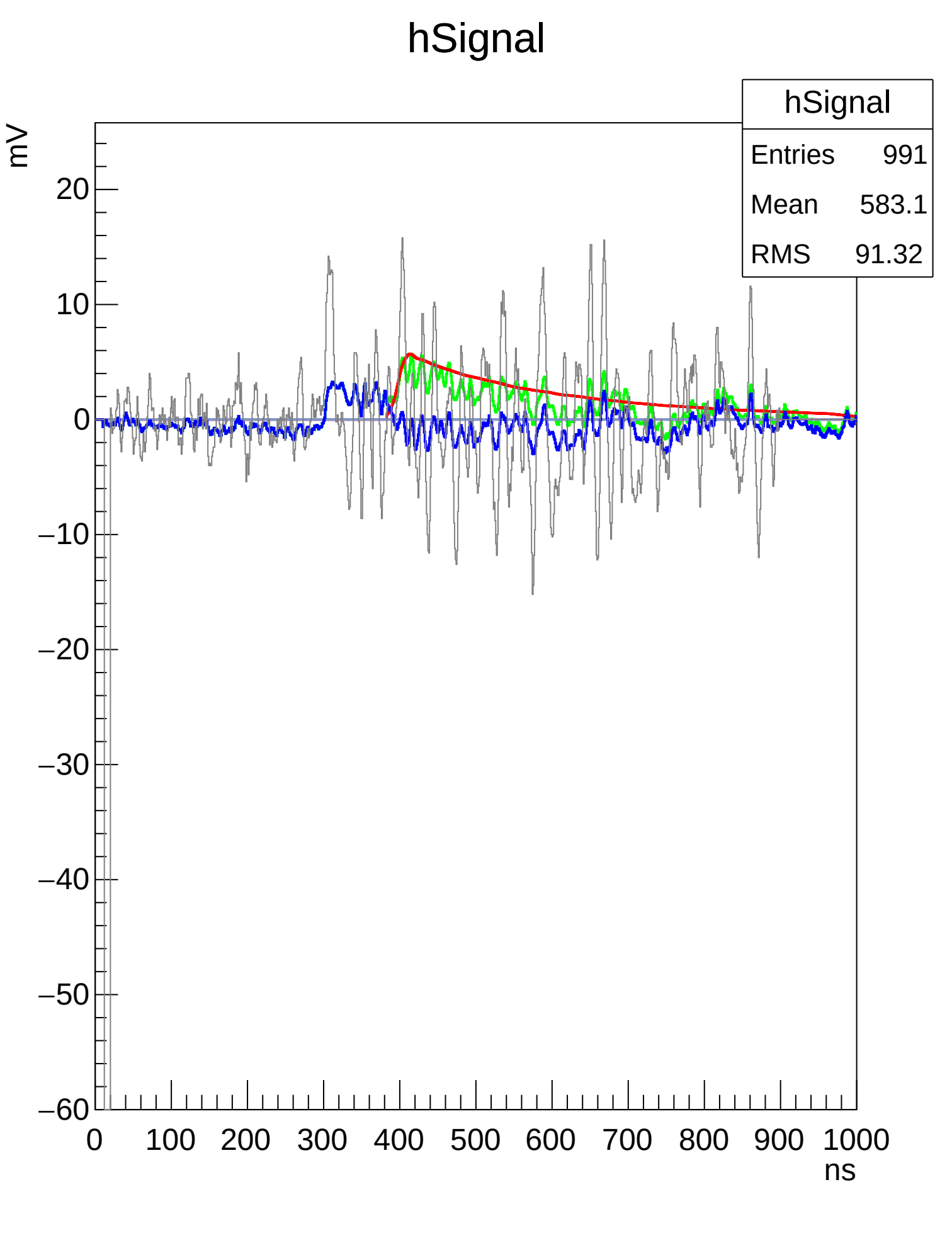
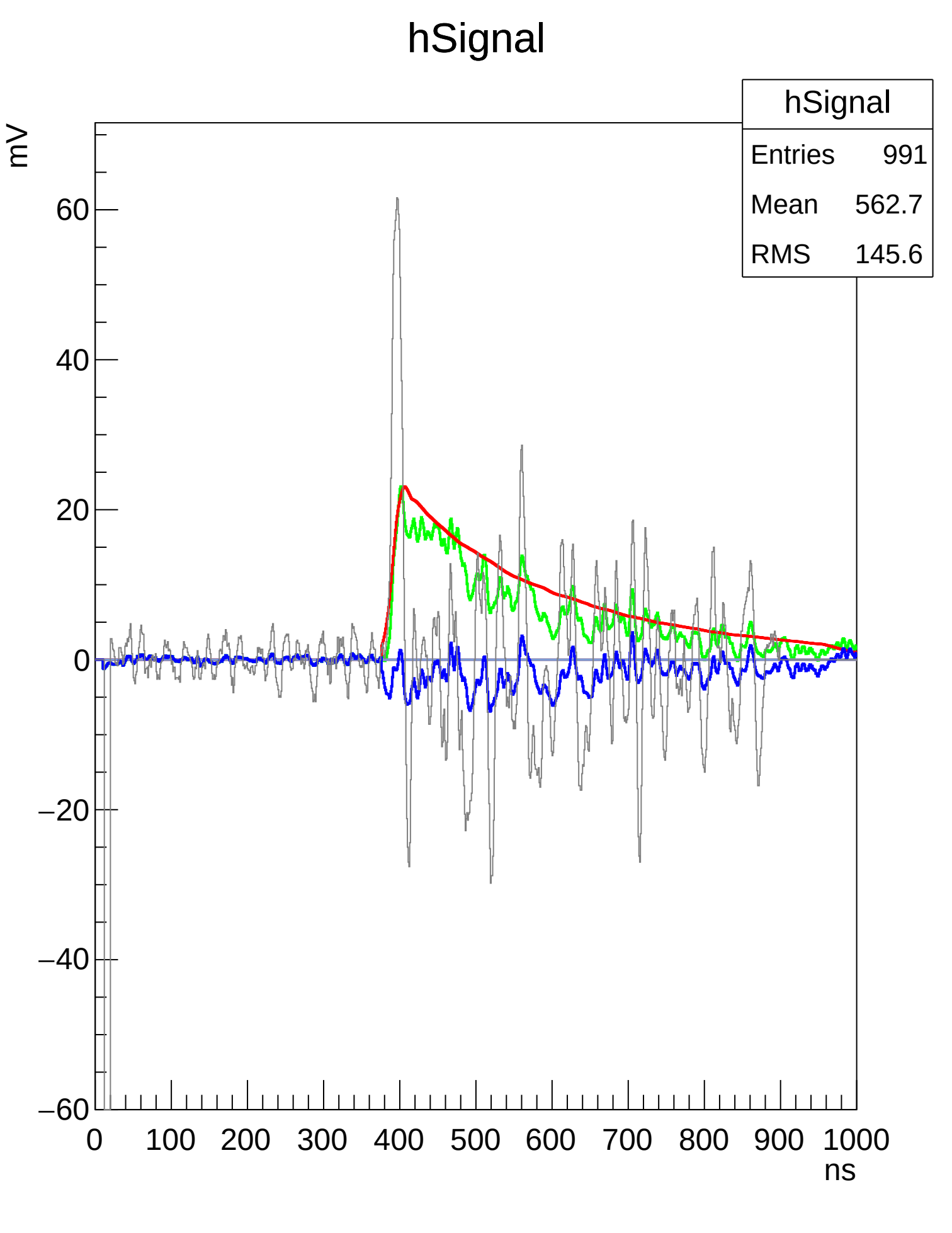
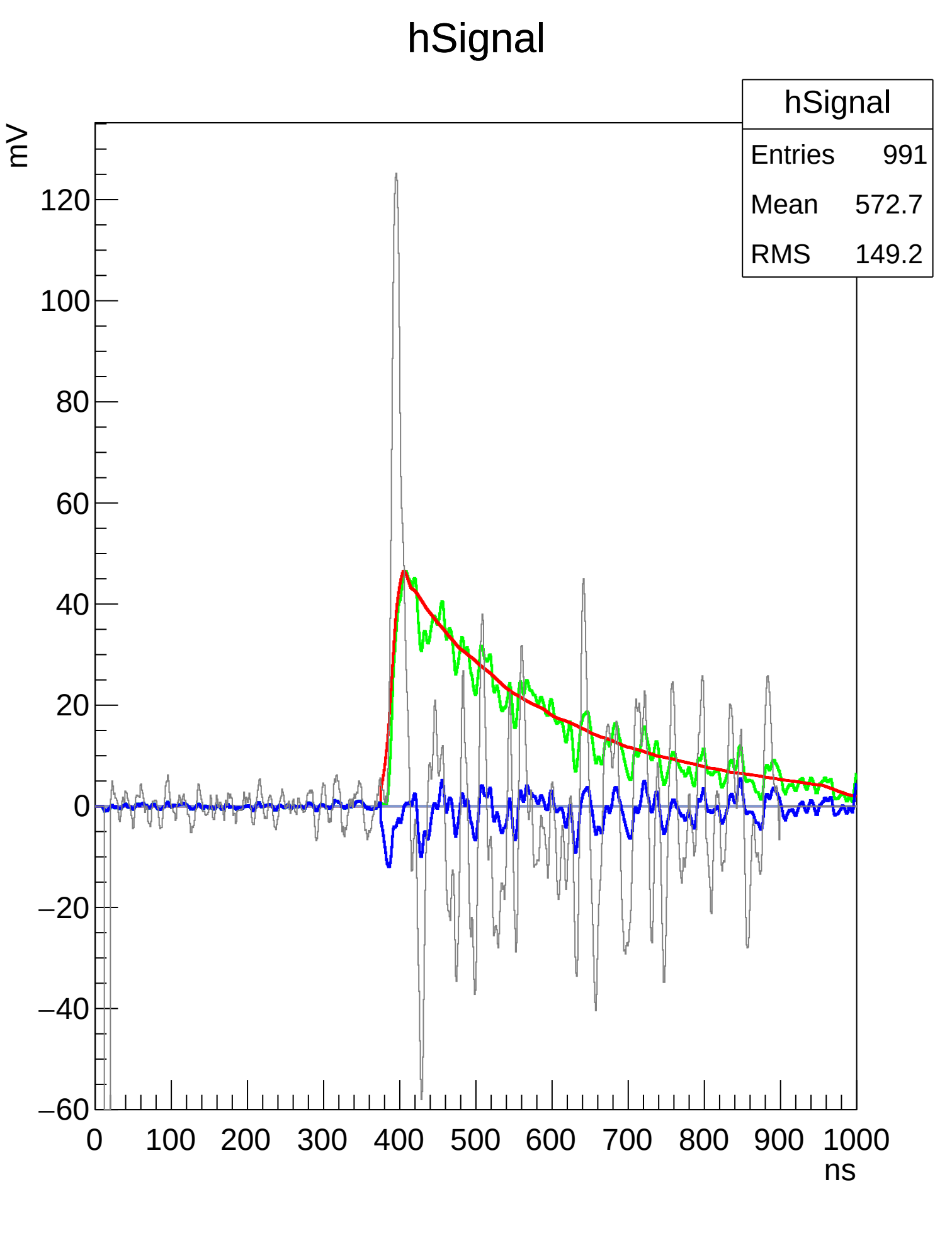
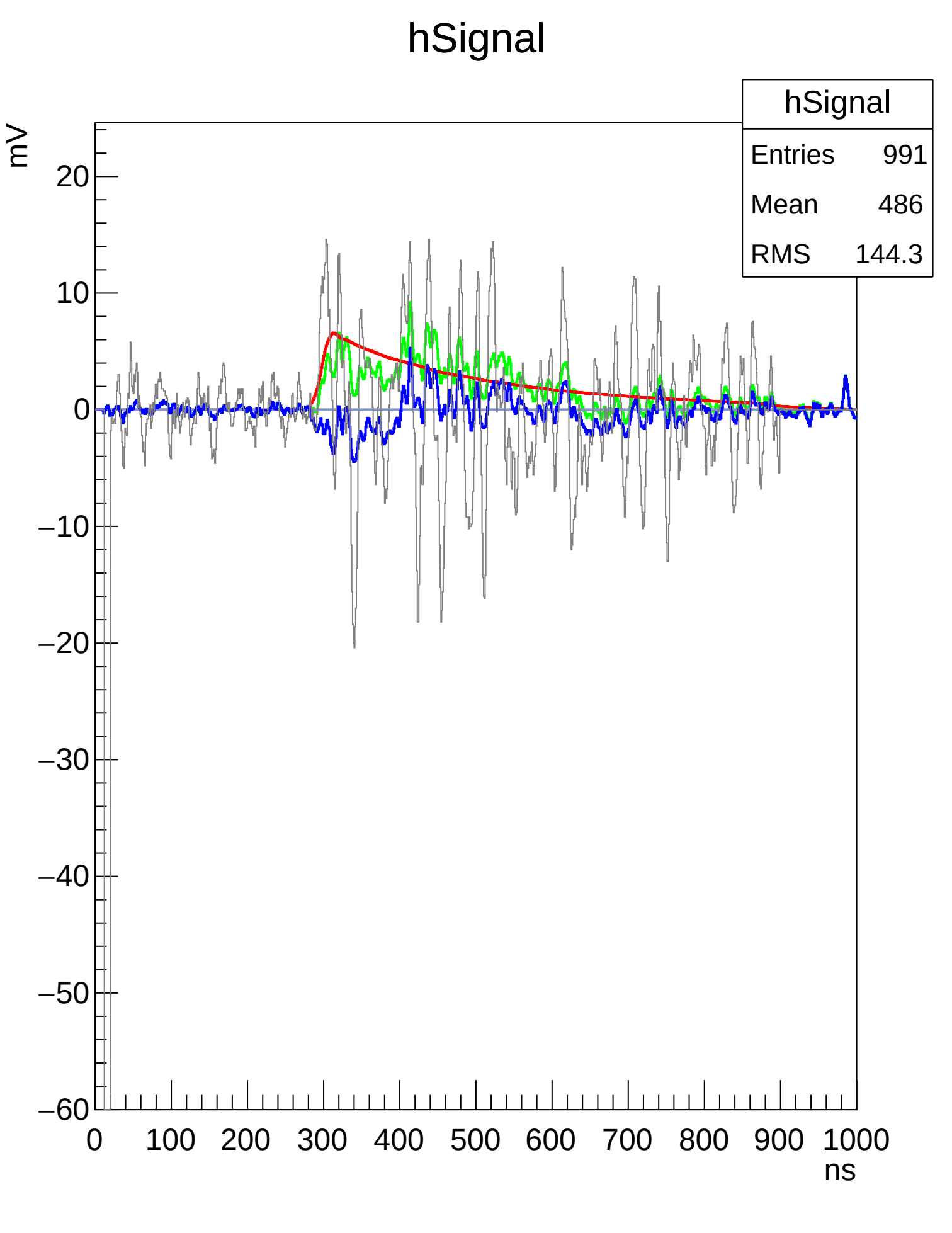

hSignal
hSignal
Entries 991
Mean 583.1
RMS 91.32
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.7
RMS 145.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.7
RMS 149.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486
RMS 144.3
mV
20
10
0
−10
−20
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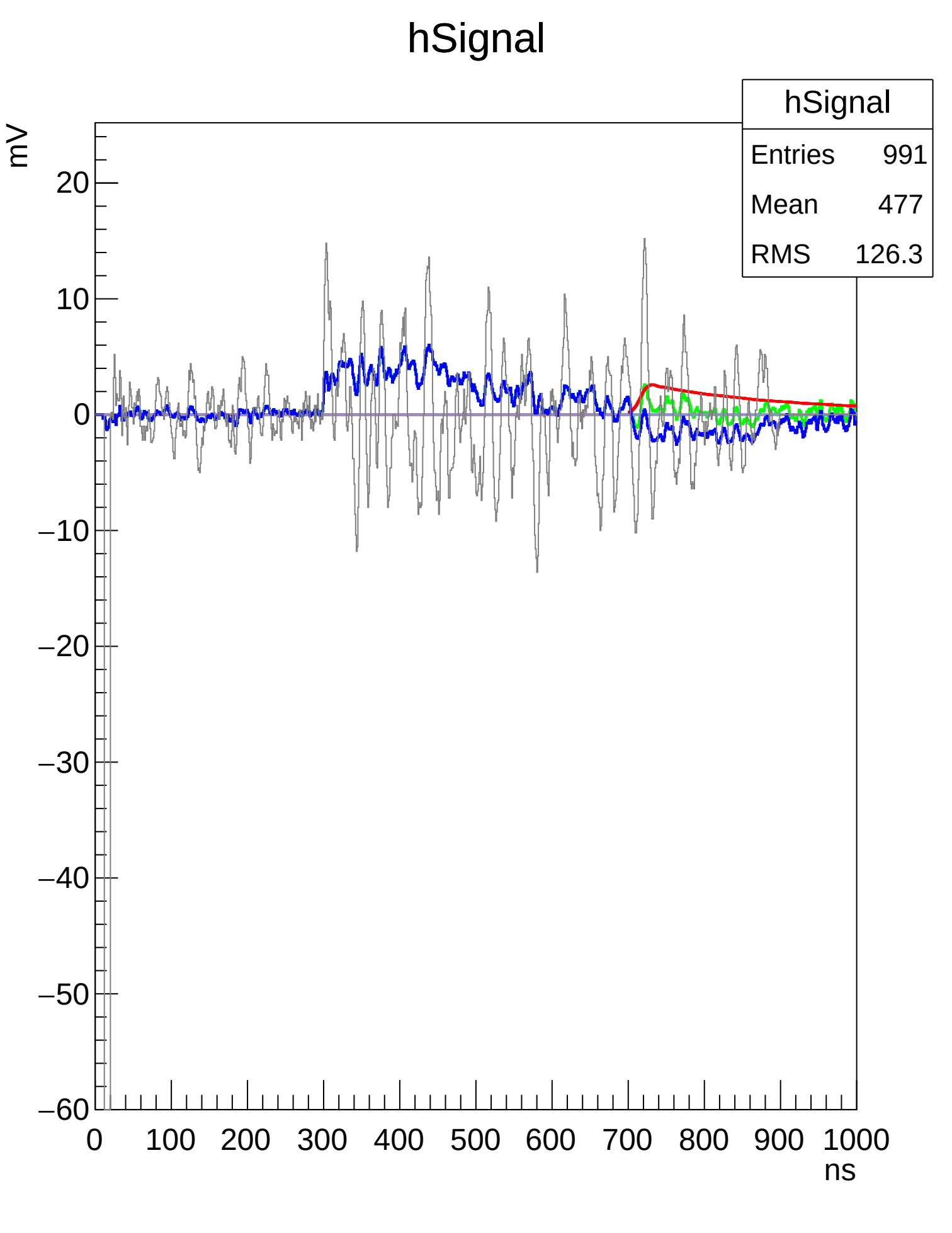
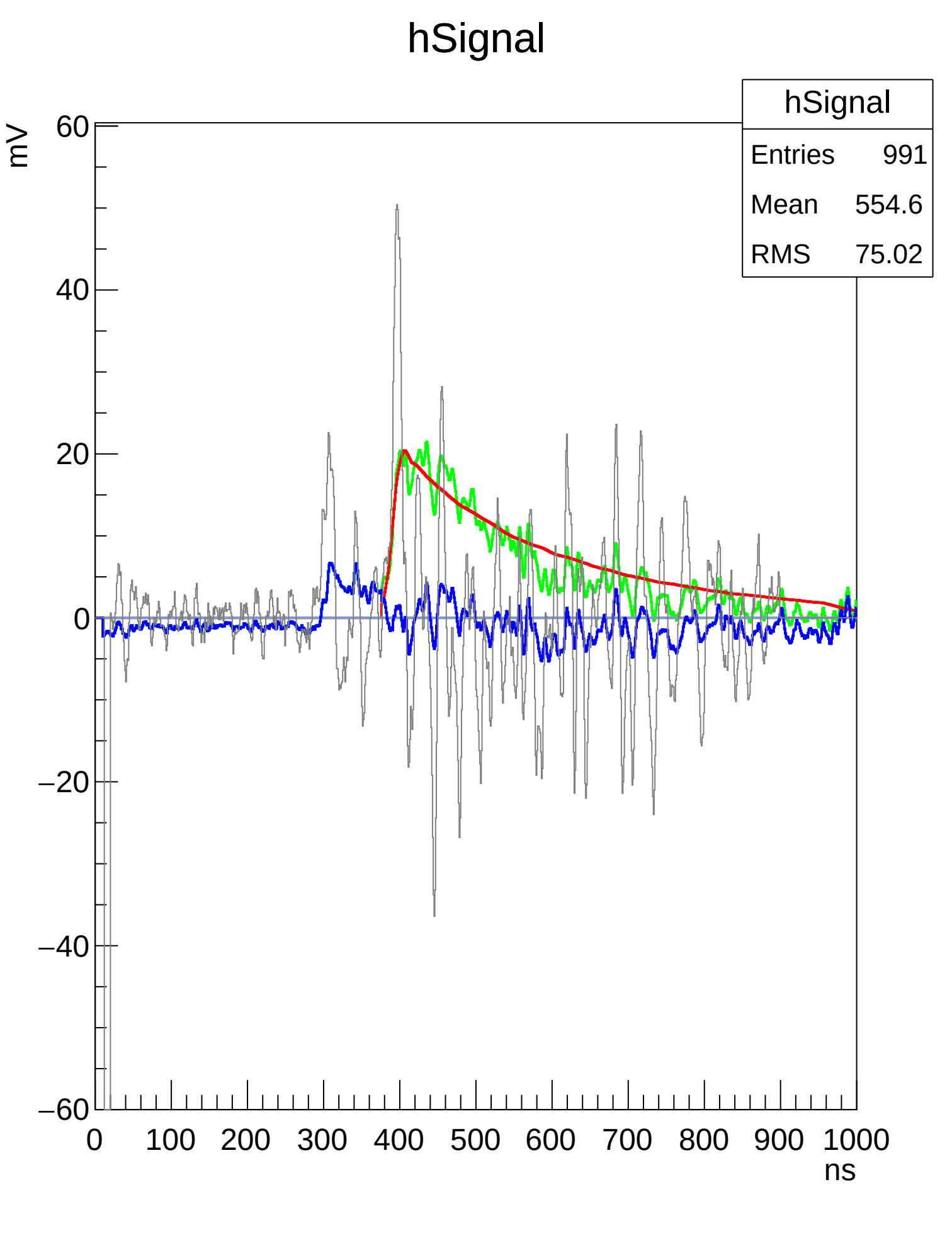
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 477
RMS 126.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 75.02
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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600
700
800
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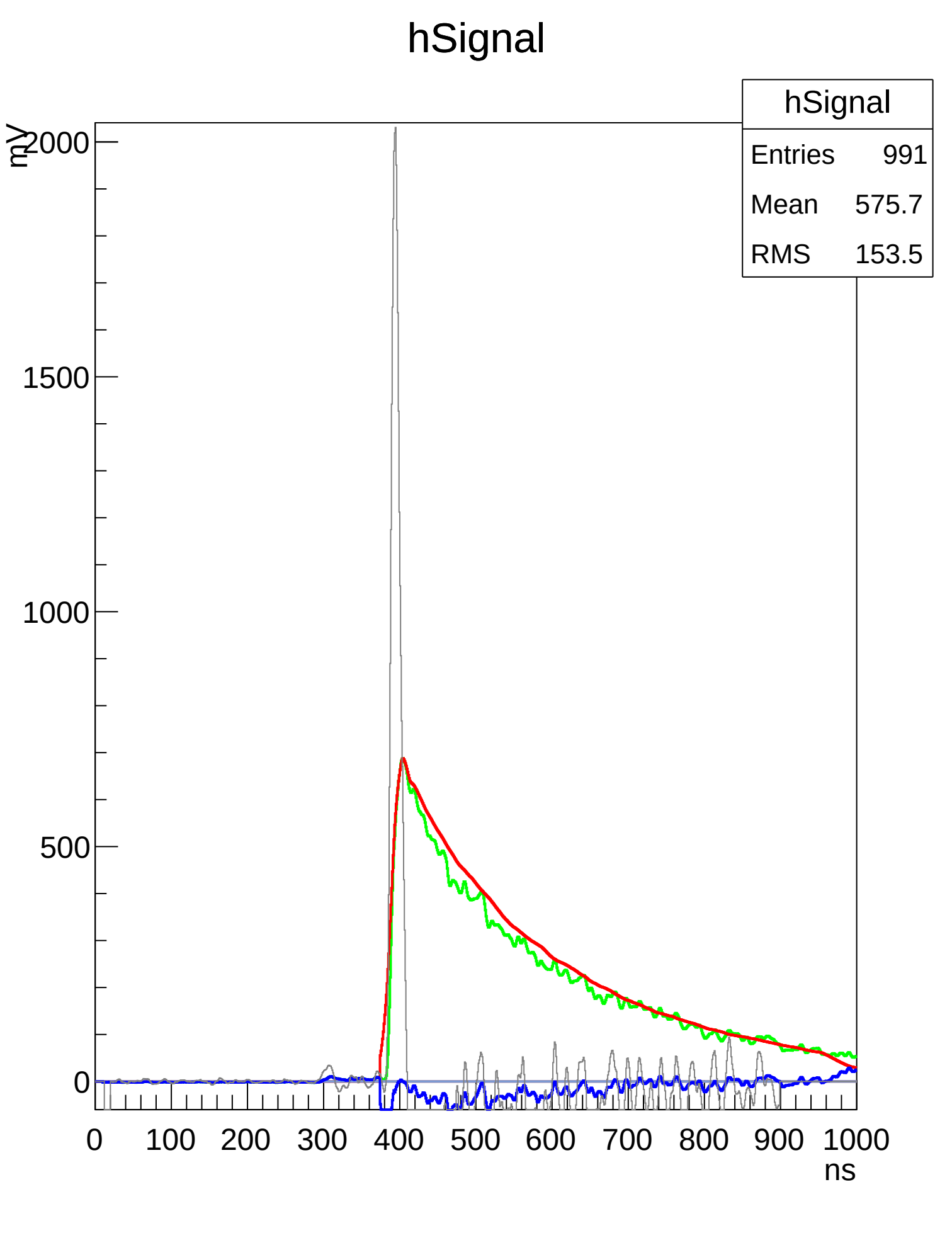
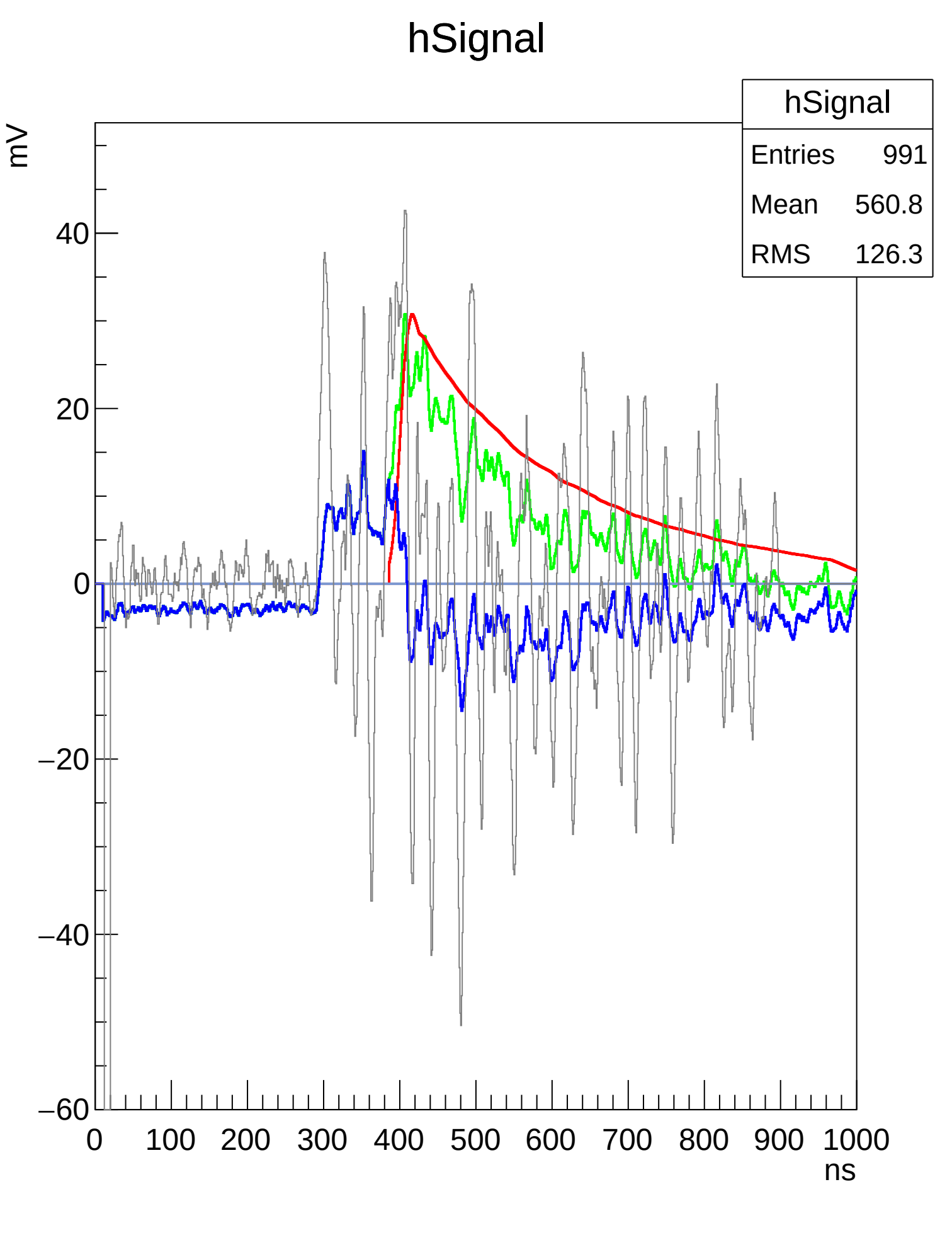
1000
ns


hSignal
hSignal
Entries 991
Mean 575.7
RMS 153.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.8
RMS 126.3
mV
40
20
0
−20
−40
−60
0
100
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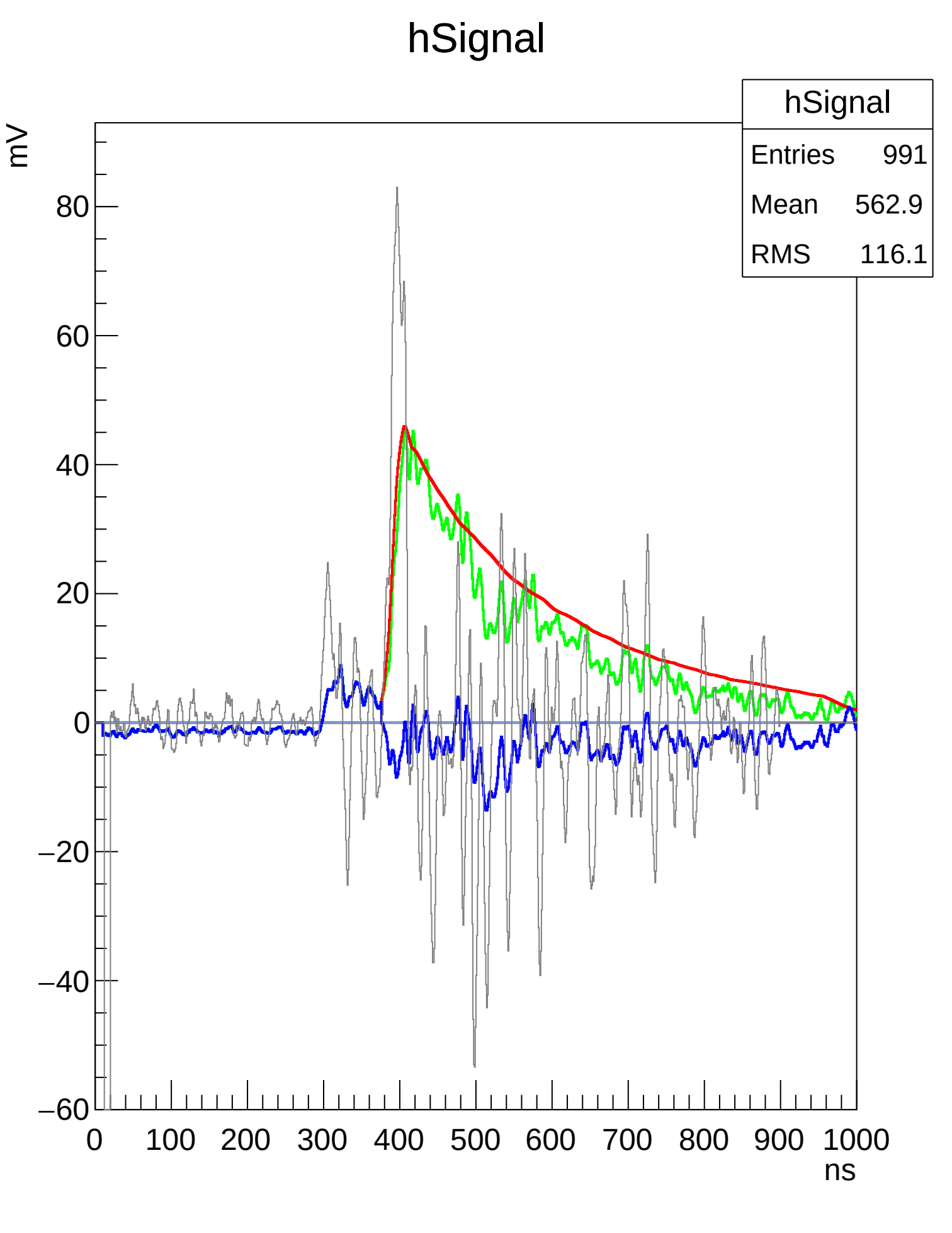
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.9
RMS 116.1
mV
80
60
40
20
0
−20
−40
−60
0
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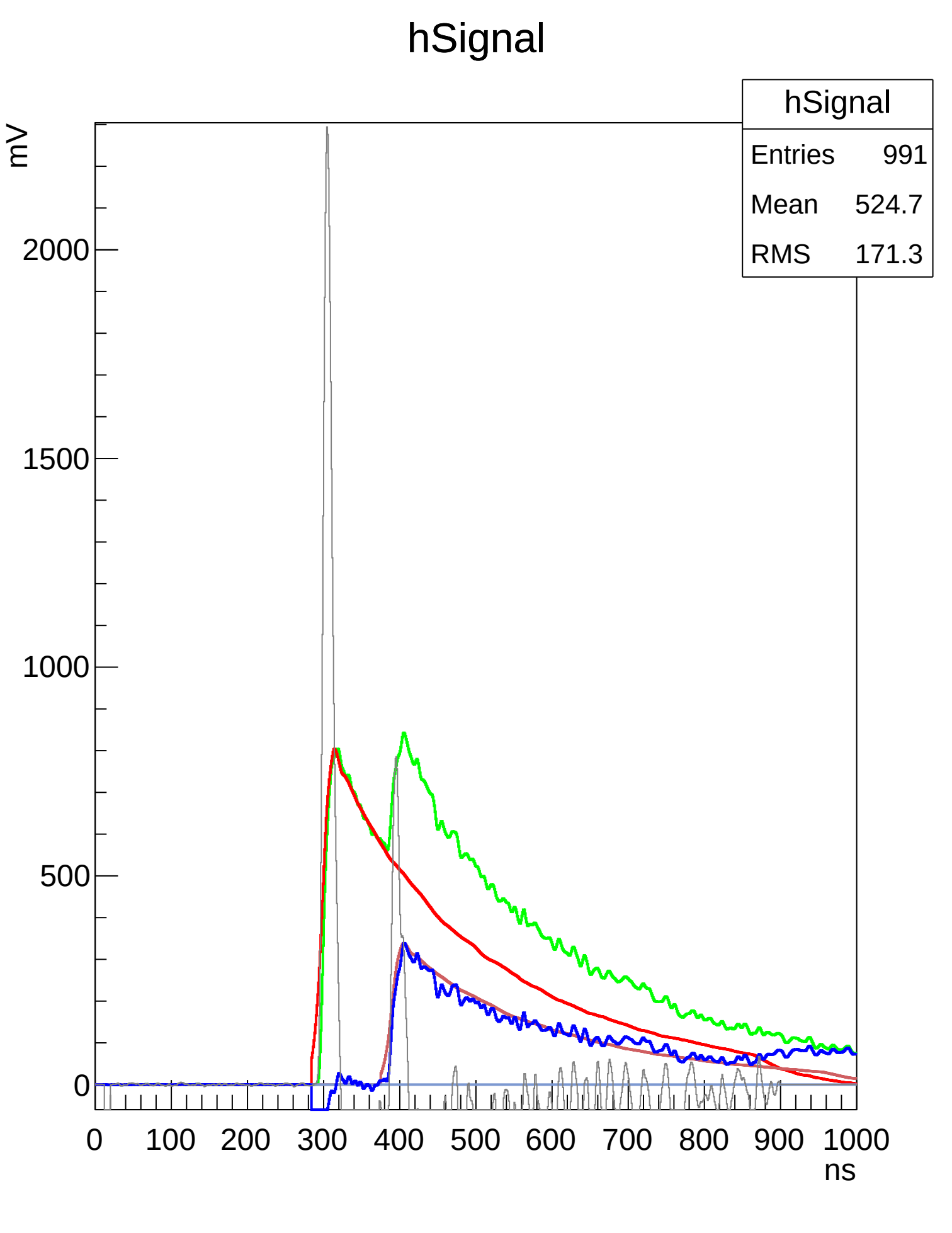
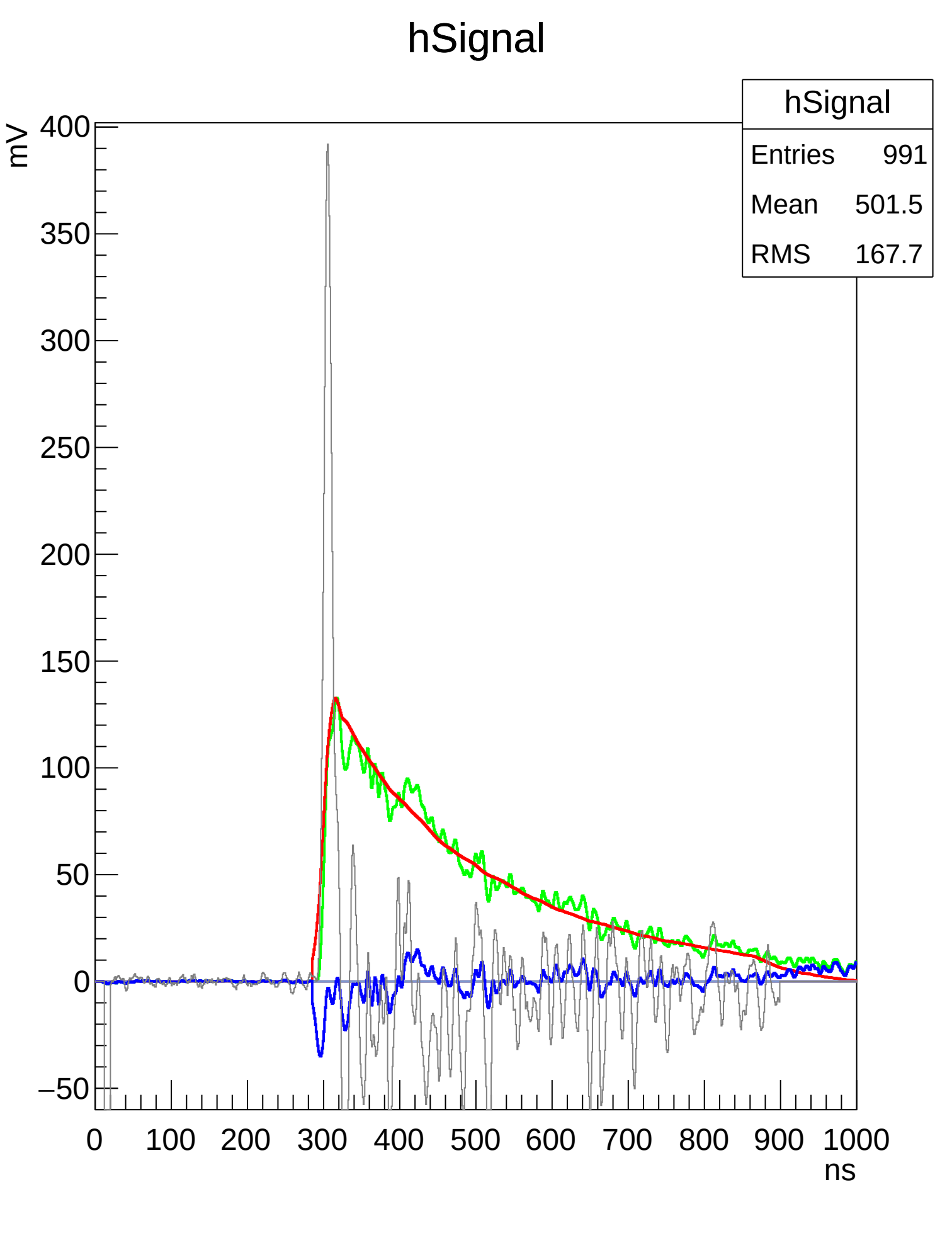
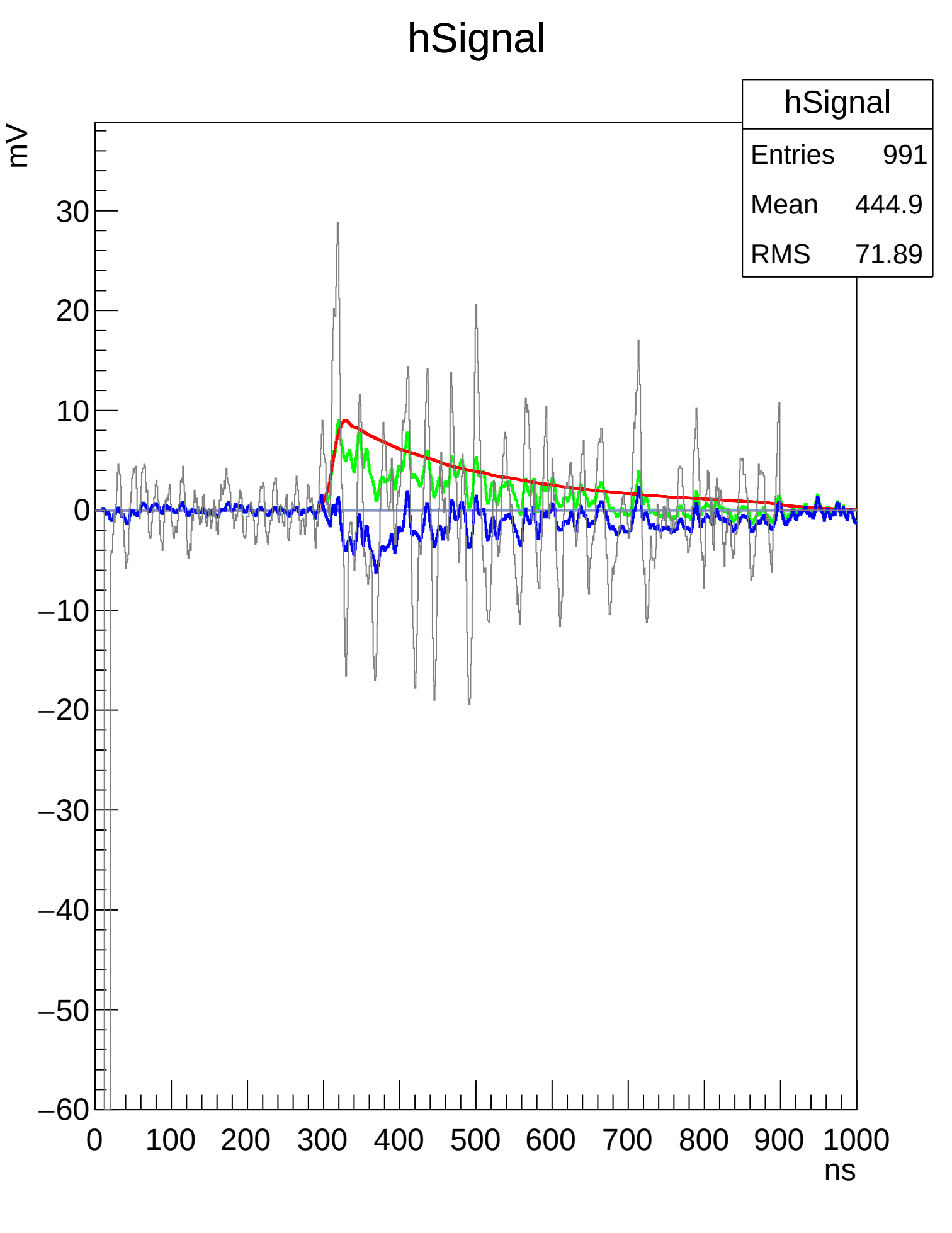
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.7
RMS 171.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.5
RMS 167.7
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 444.9
RMS 71.89
mV
30
20
10
0
−10
−20
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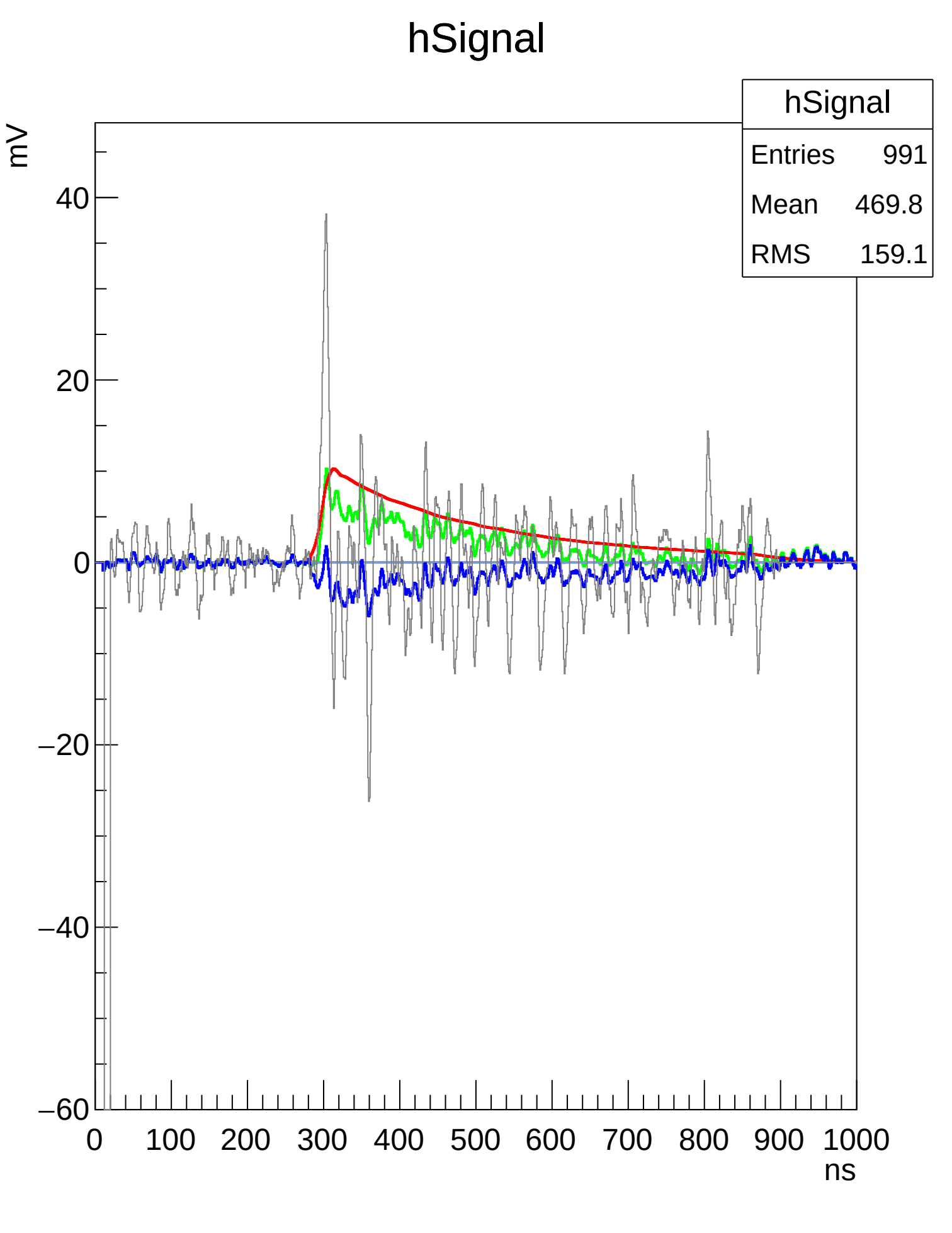
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 469.8
RMS 159.1
mV
40
20
0
−20
−40
−60
0
100
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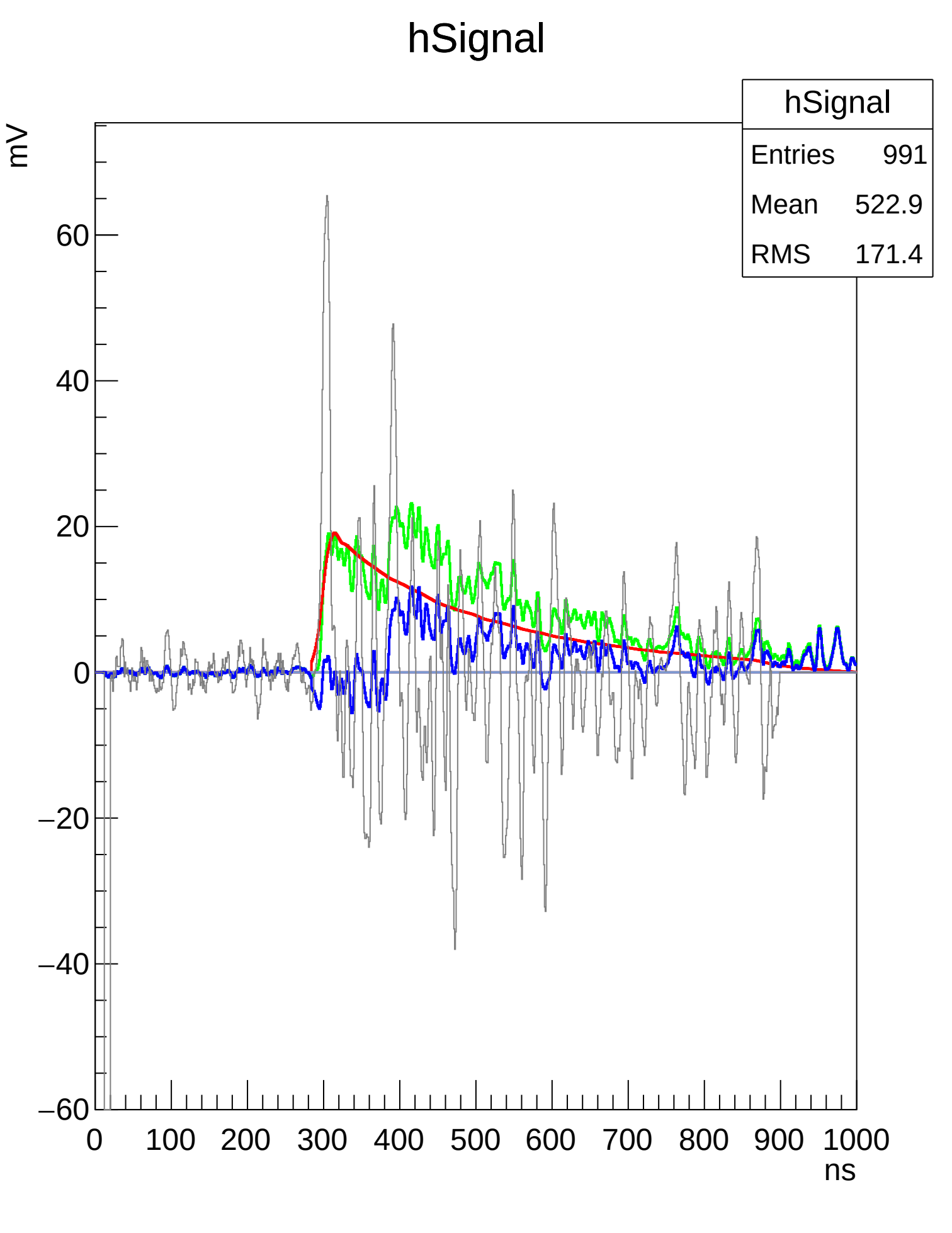
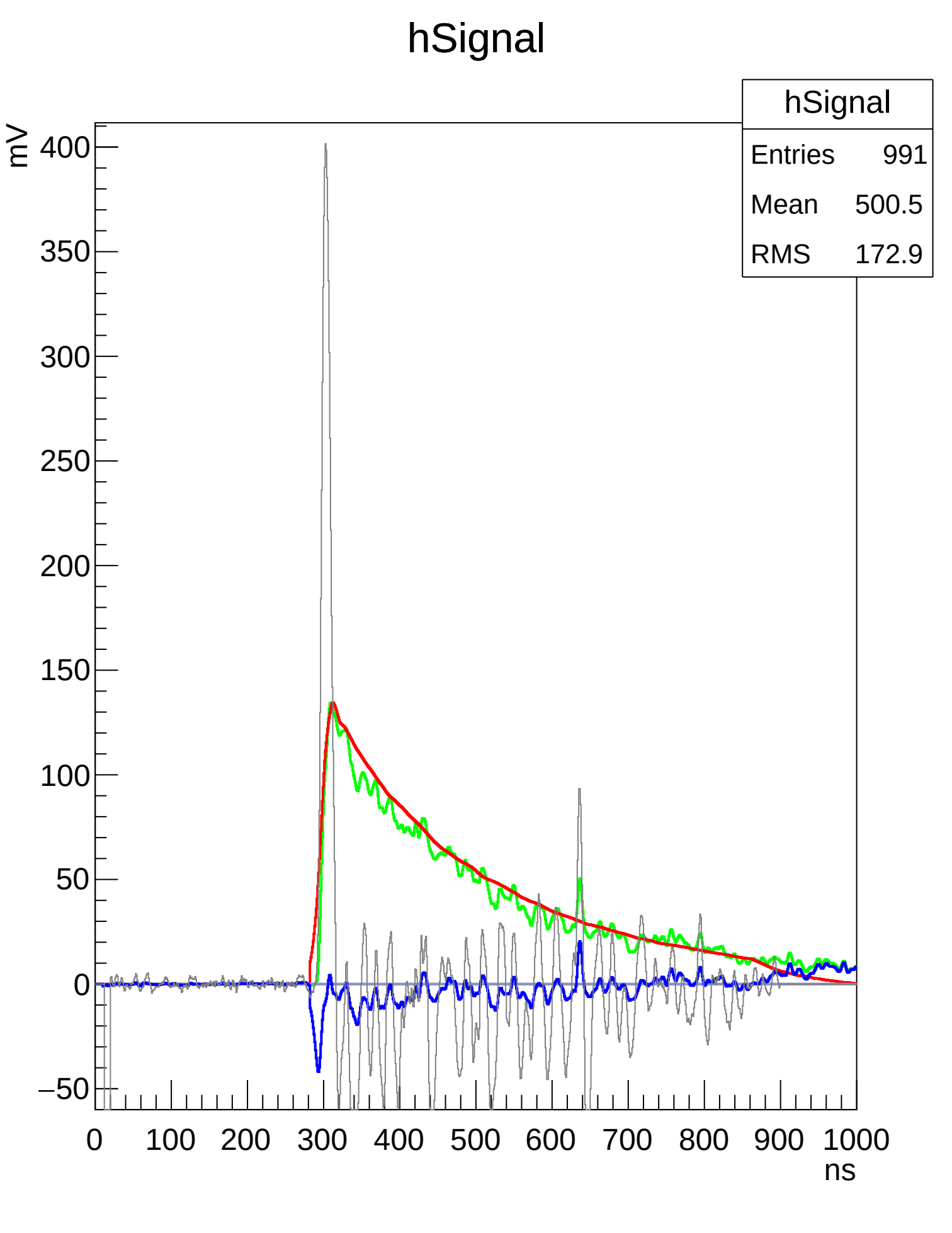
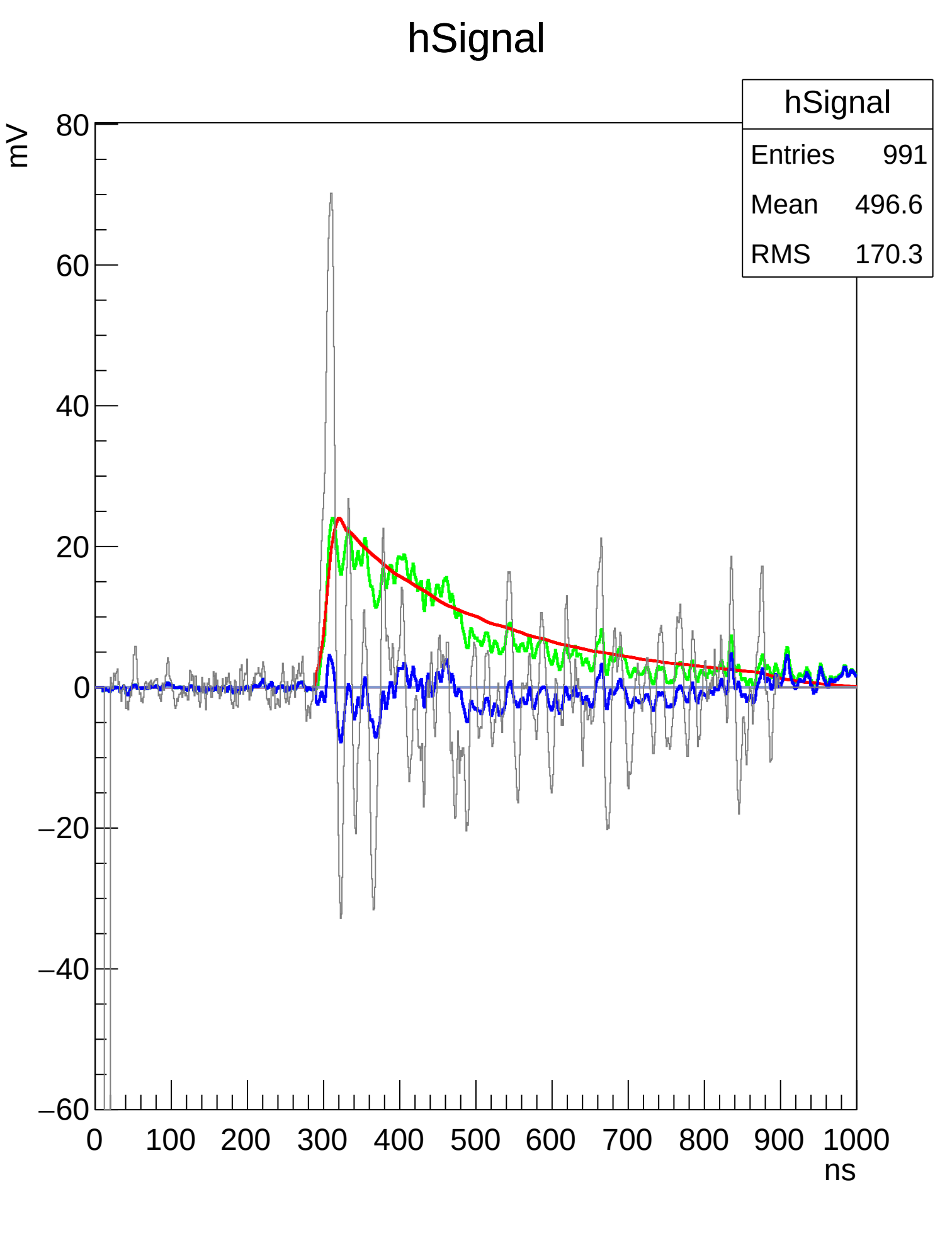
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.9
RMS 171.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500.5
RMS 172.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496.6
RMS 170.3
mV
80
60
40
20
0
−20
−40
−60
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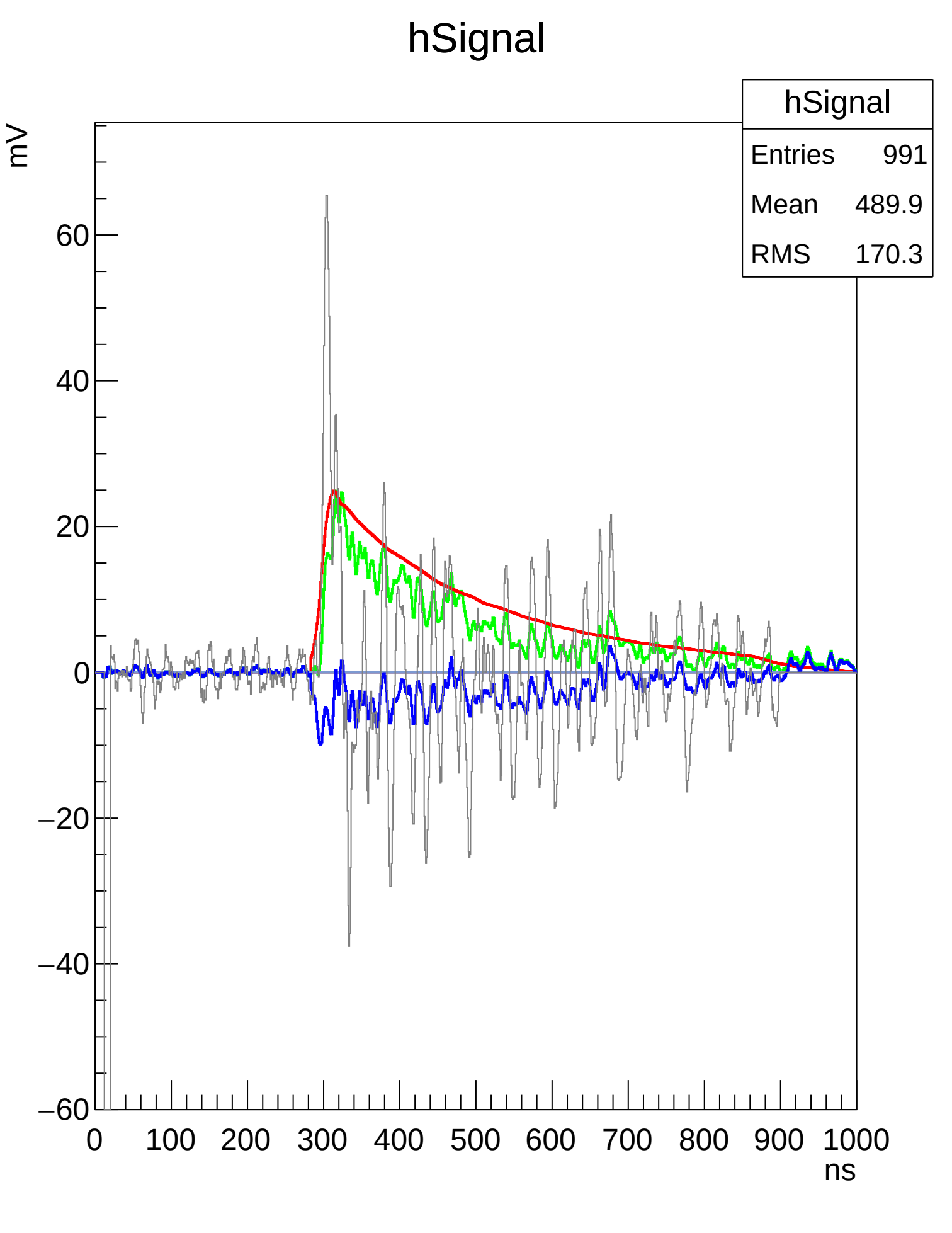
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.9
RMS 170.3
mV
60
40
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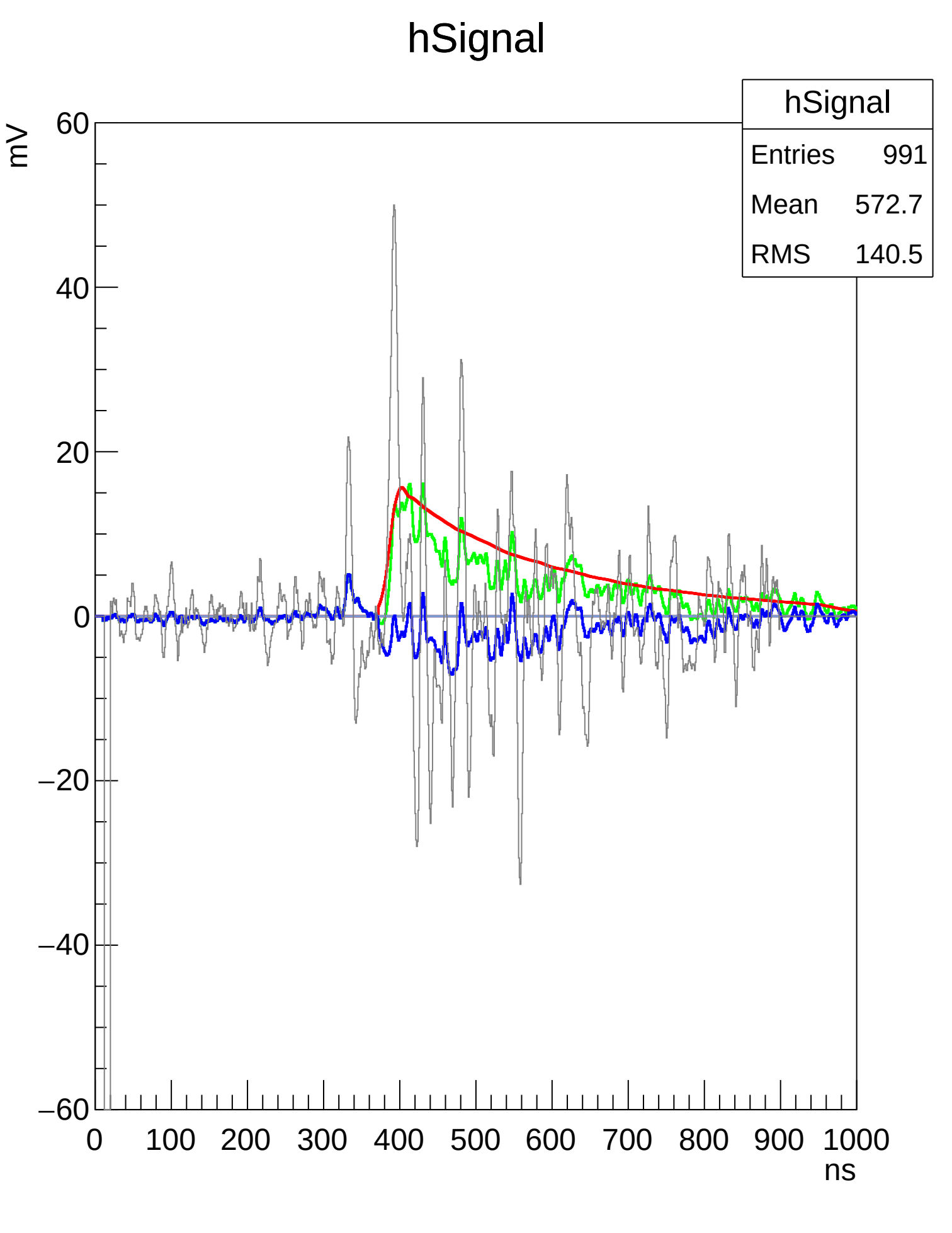
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.7
RMS 140.5
mV
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0
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400
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600
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800
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1000
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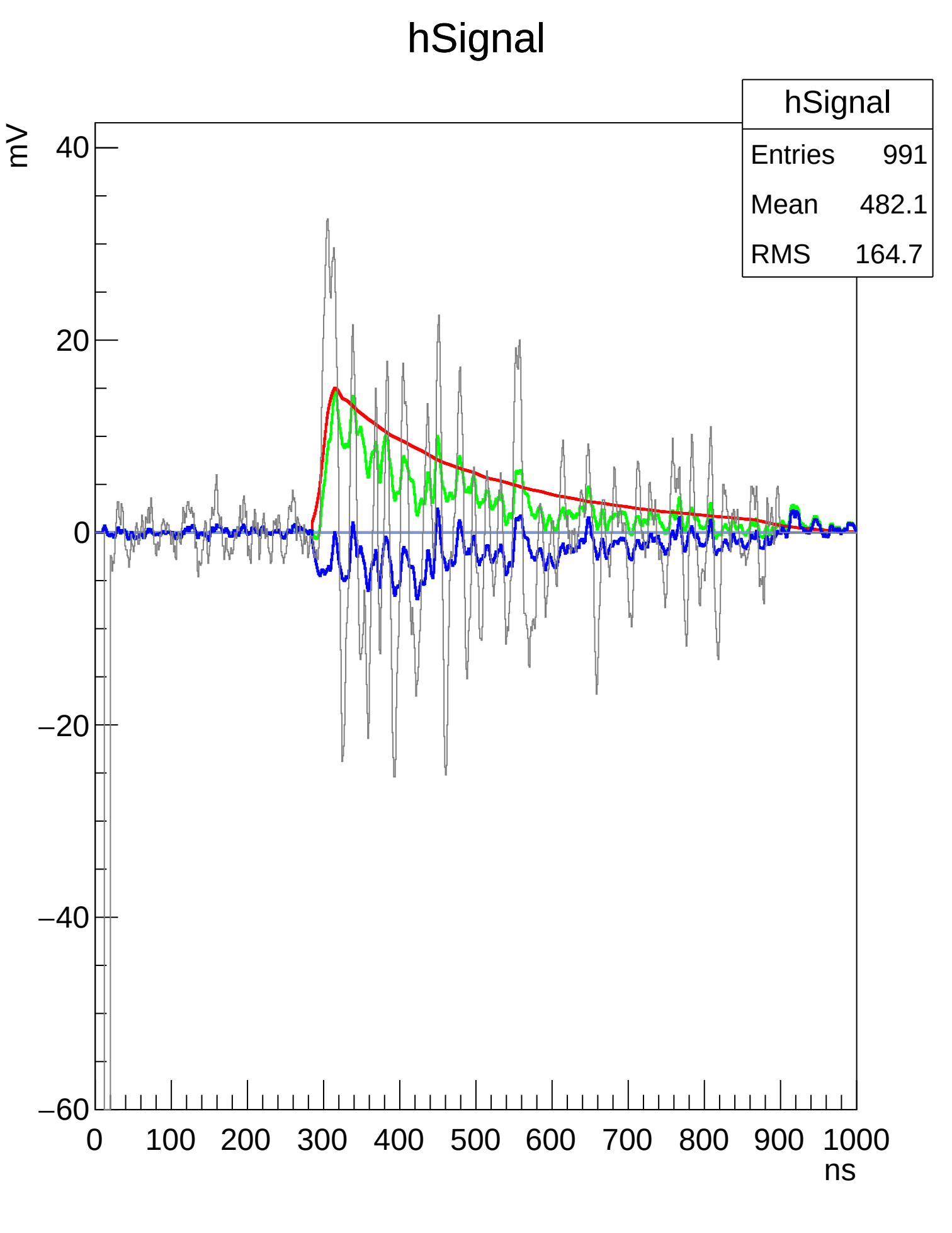
hSignal
hSignal
Entries 991
Mean 482.1
RMS 164.7
mV
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−20
−40
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0
100
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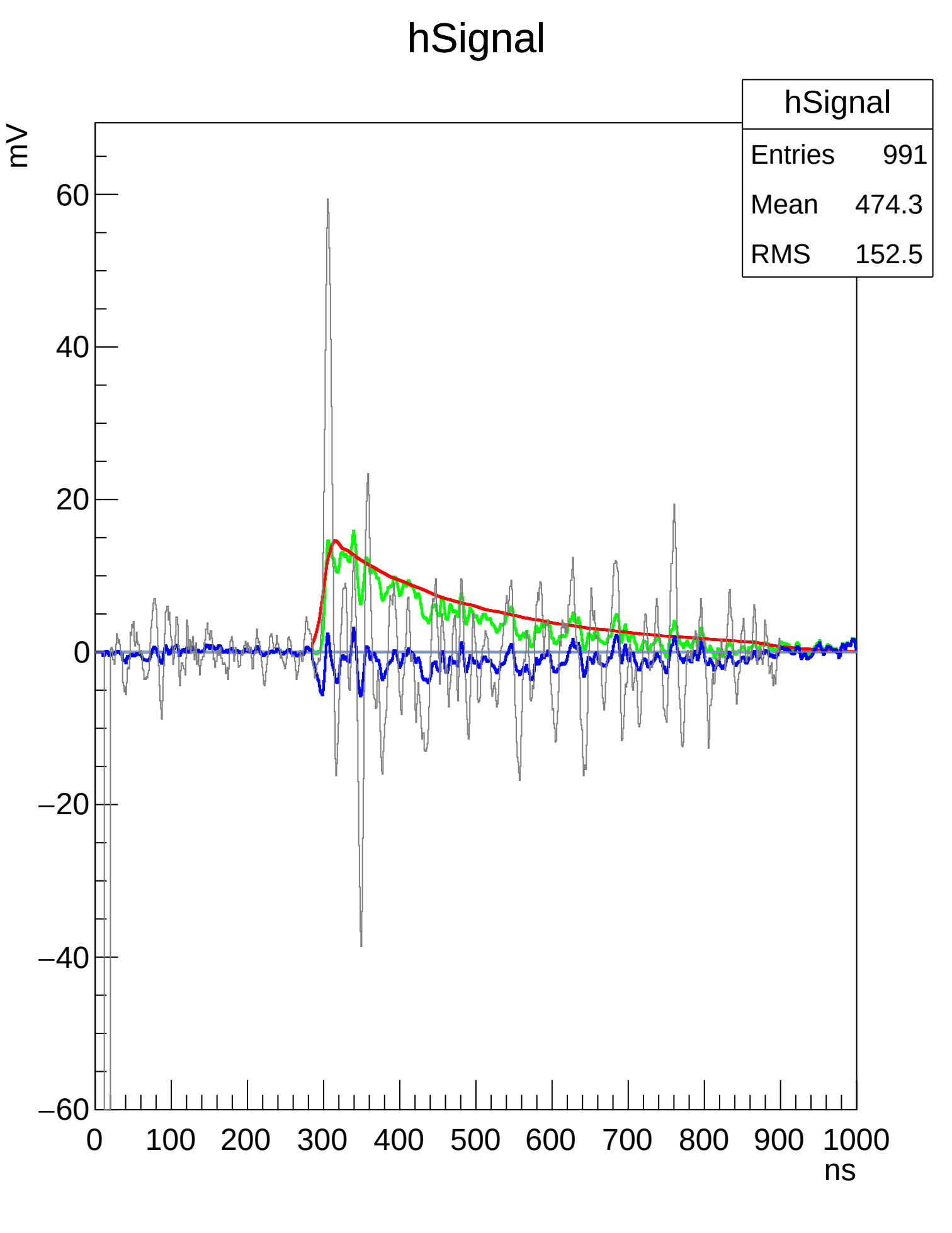
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 474.3
RMS 152.5
mV
60
40
20
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−20
−40
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0
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200
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400
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600
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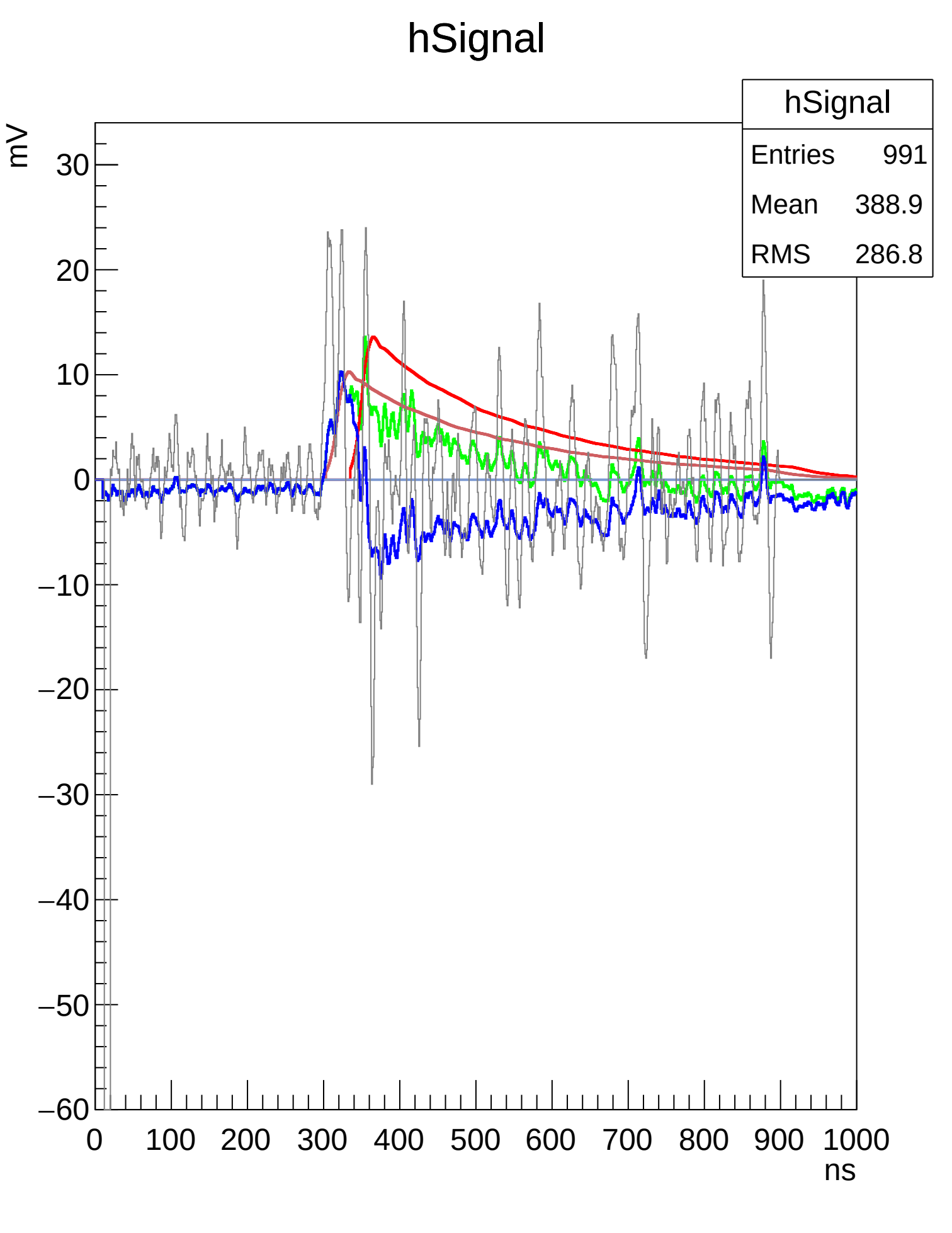
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 388.9
RMS 286.8
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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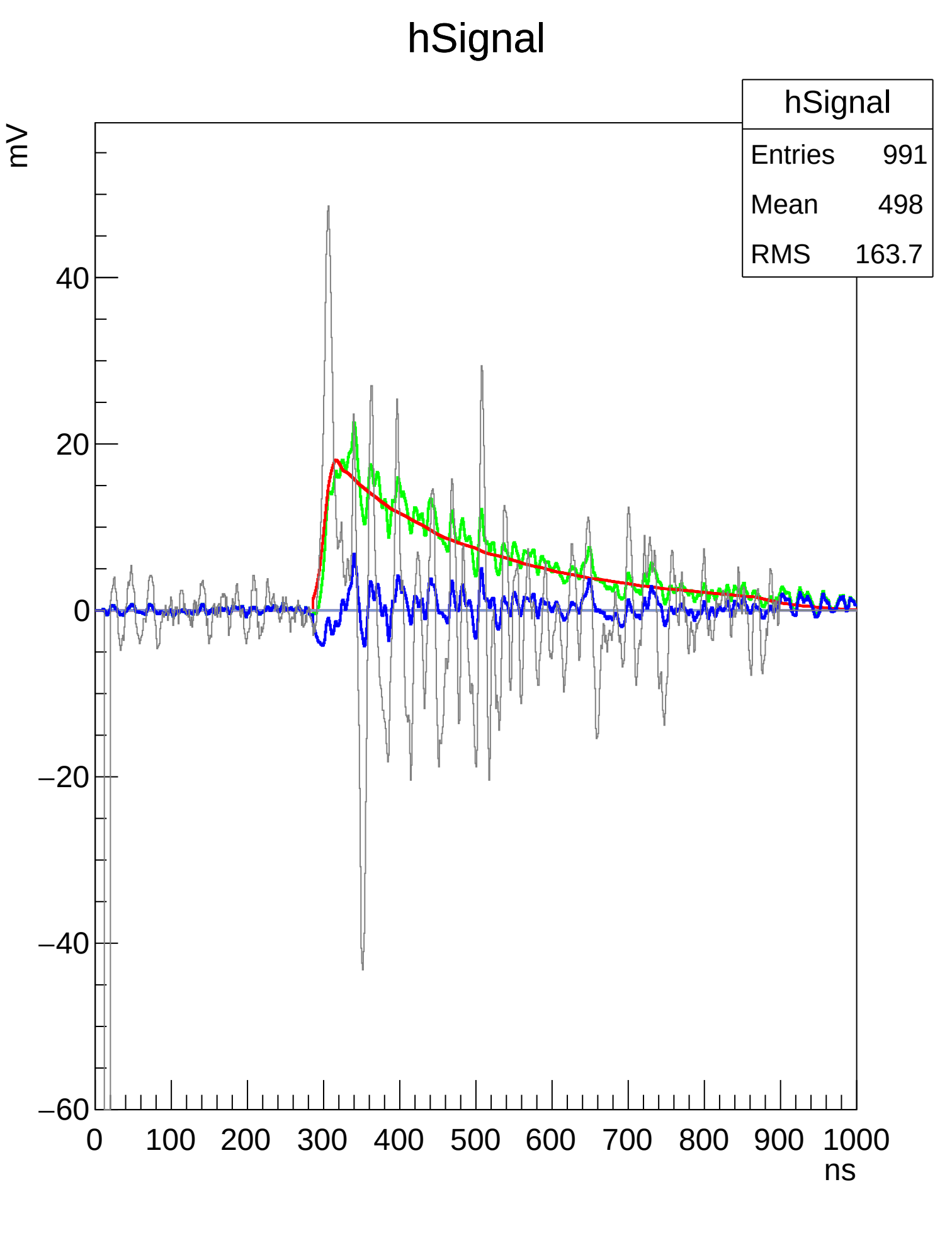
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498
RMS 163.7
mV
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−20
−40
−60
0
100
200
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400
500
600
700
800
900
1000
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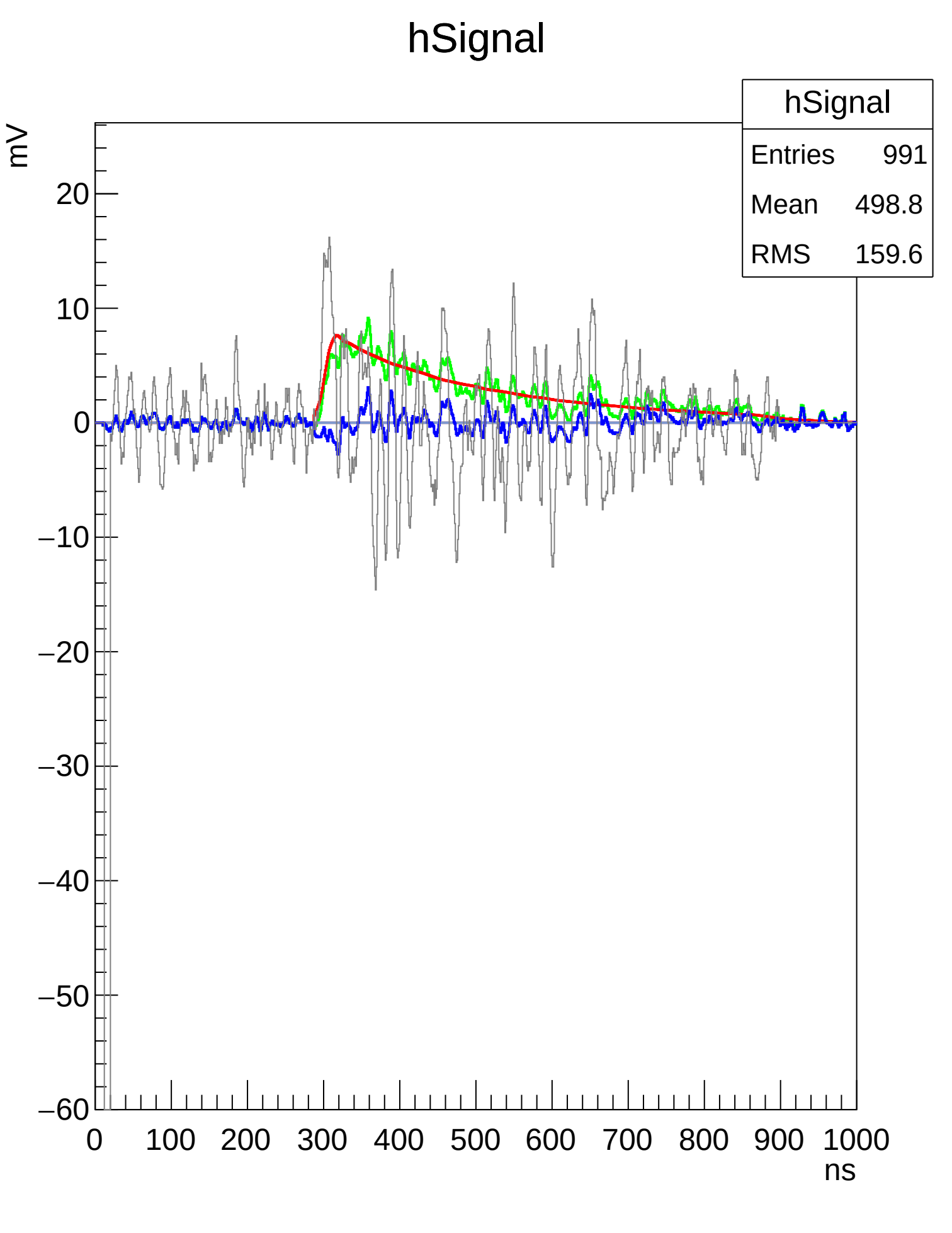
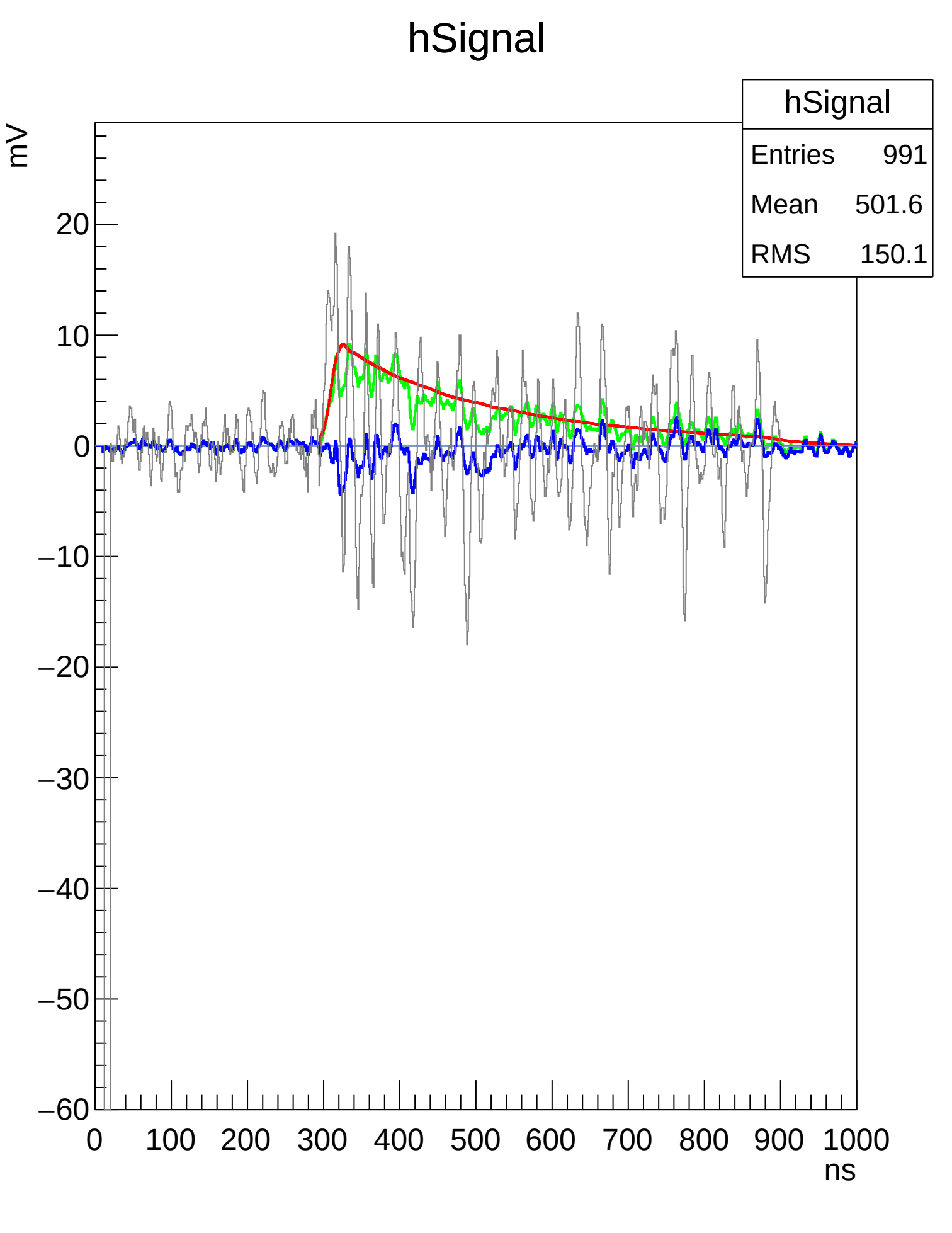
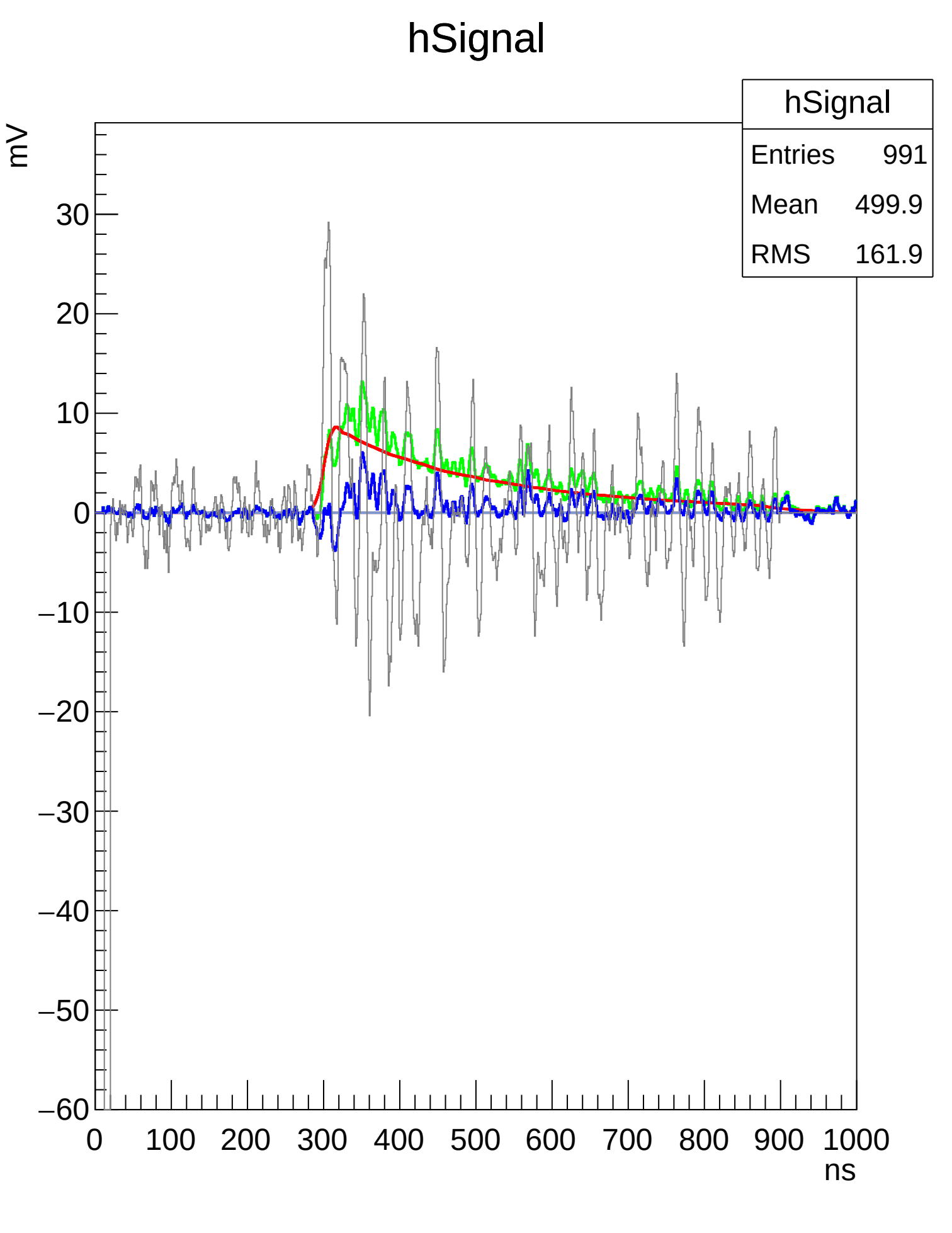

hSignal
hSignal
Entries 991
Mean 498.8
RMS 159.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.6
RMS 150.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.9
RMS 161.9
mV
30
20
10
0
−10
−20
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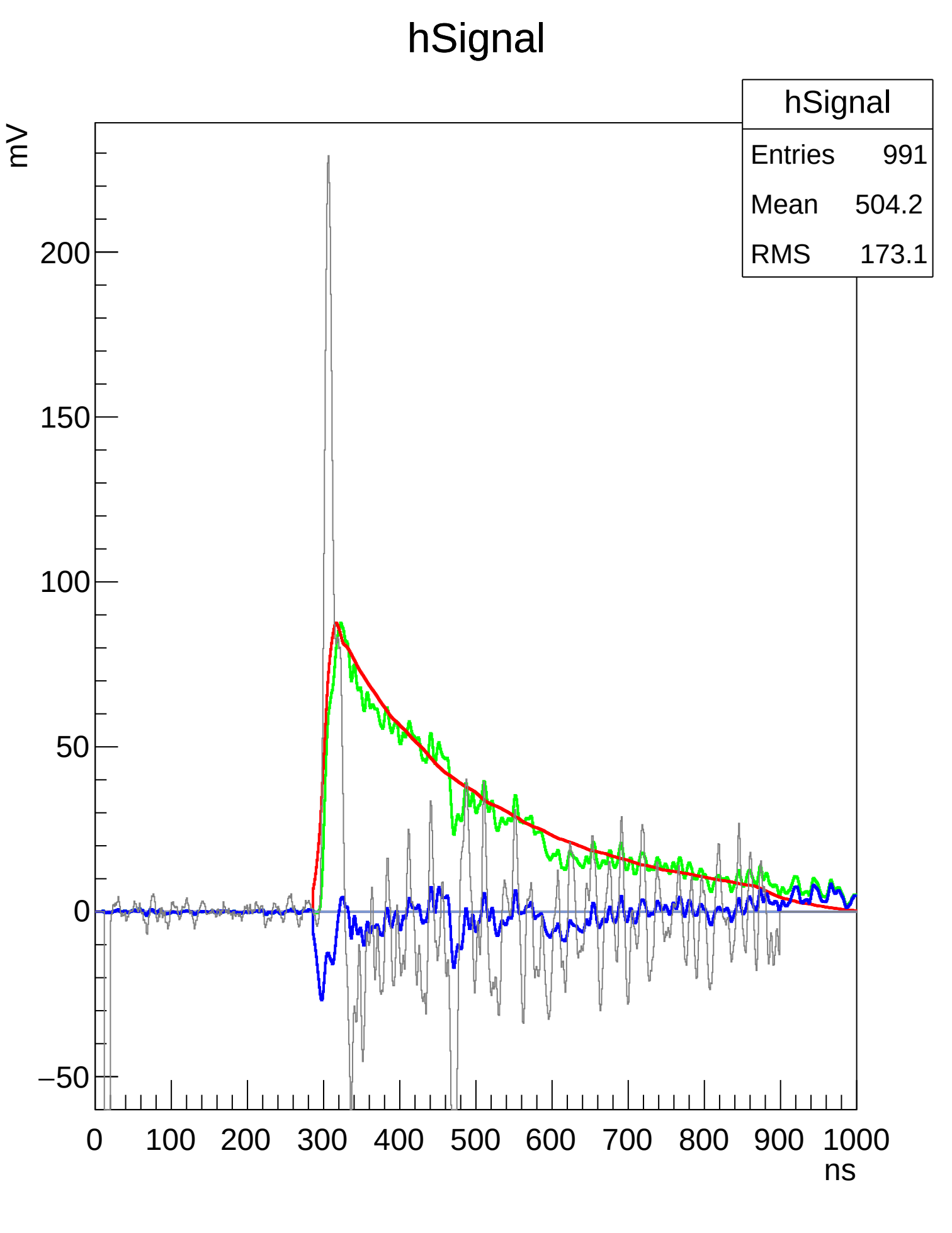
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.2
RMS 173.1
mV
200
150
100
50
0
−50
0
100
200
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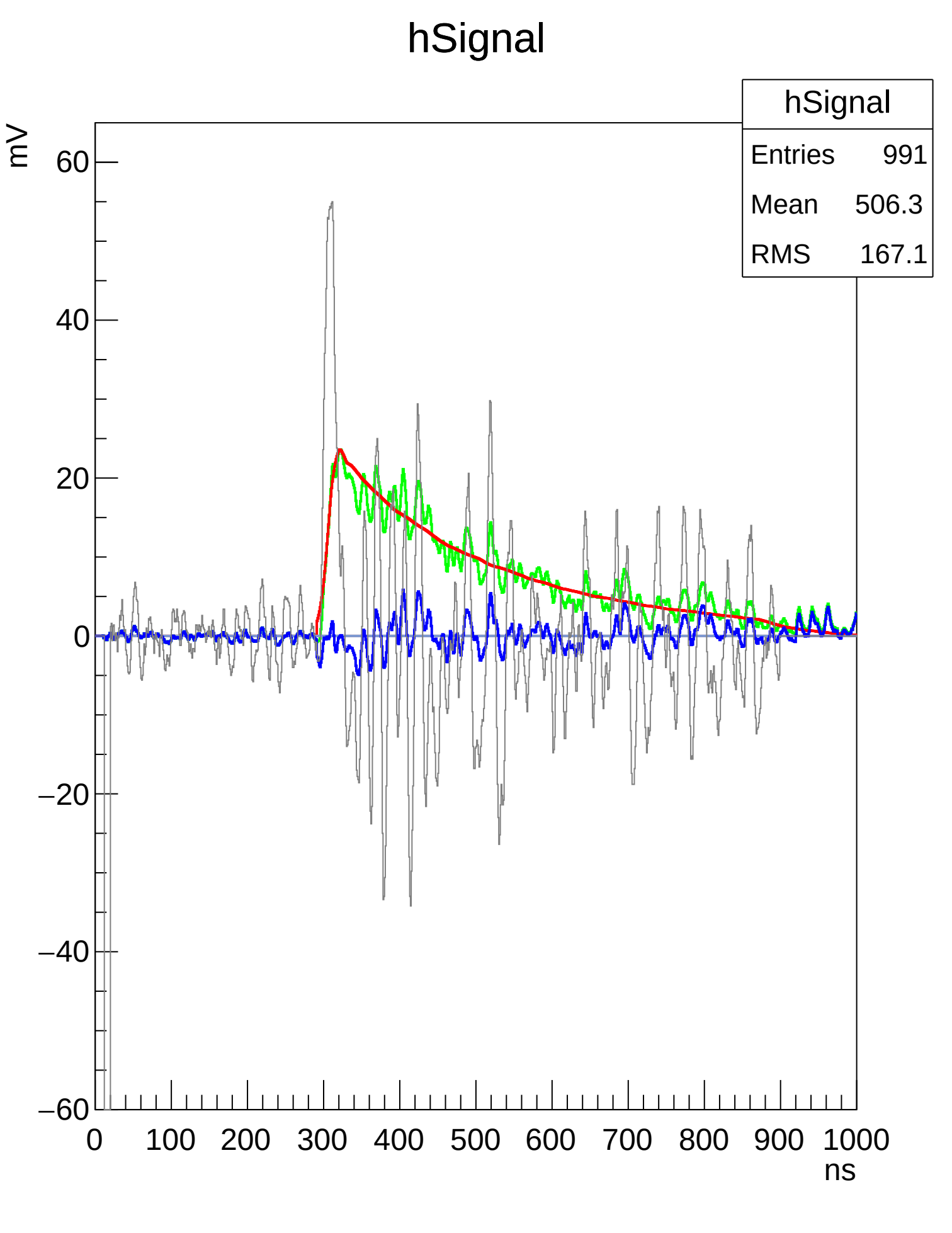
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.3
RMS 167.1
mV
60
40
20
0
−20
−40
−60
0
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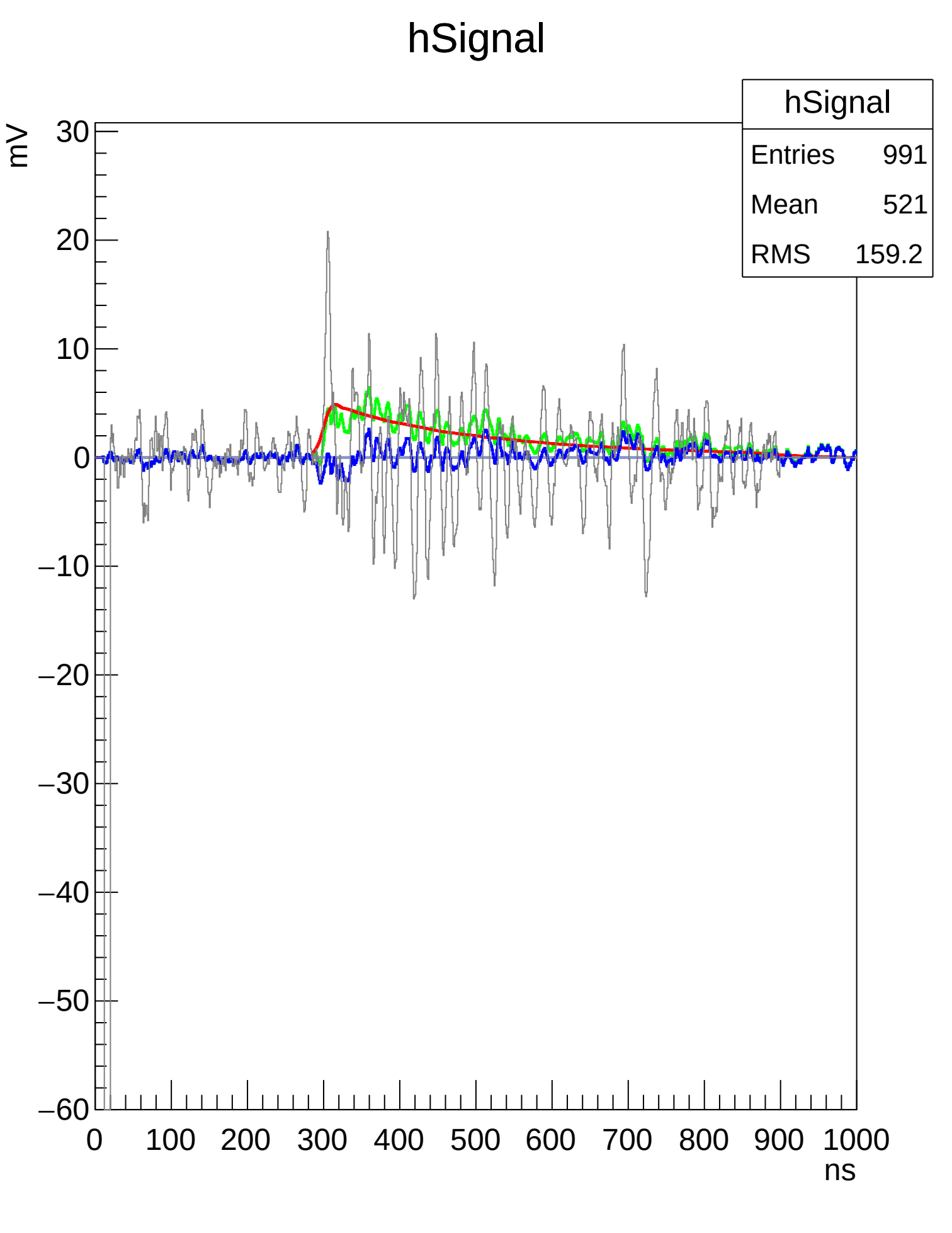
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521
RMS 159.2
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
300
400
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600
700
800
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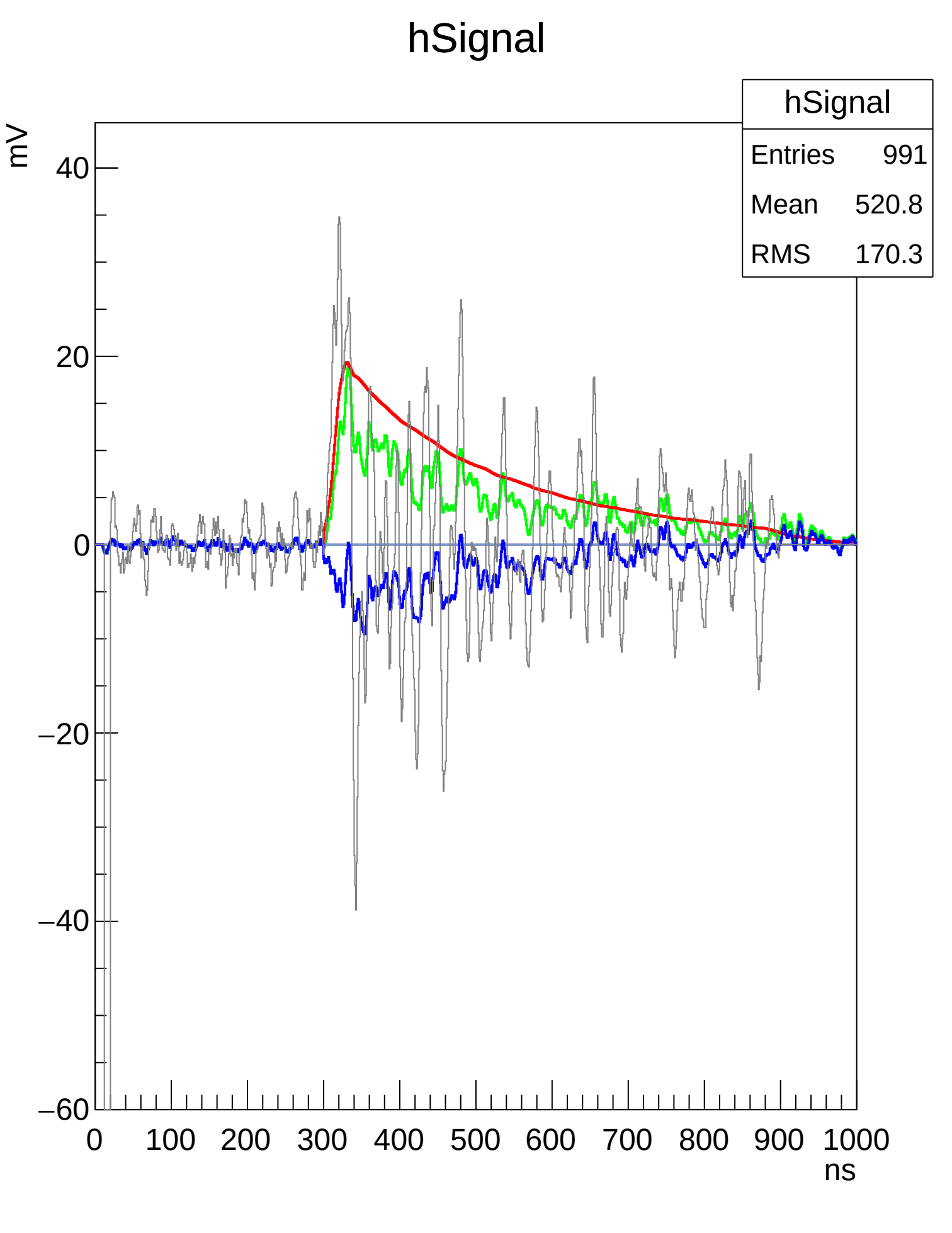
1000
ns


hSignal
hSignal
Entries 991
Mean 520.8
RMS 170.3
mV
40
20
0
−20
−40
−60
0
100
200
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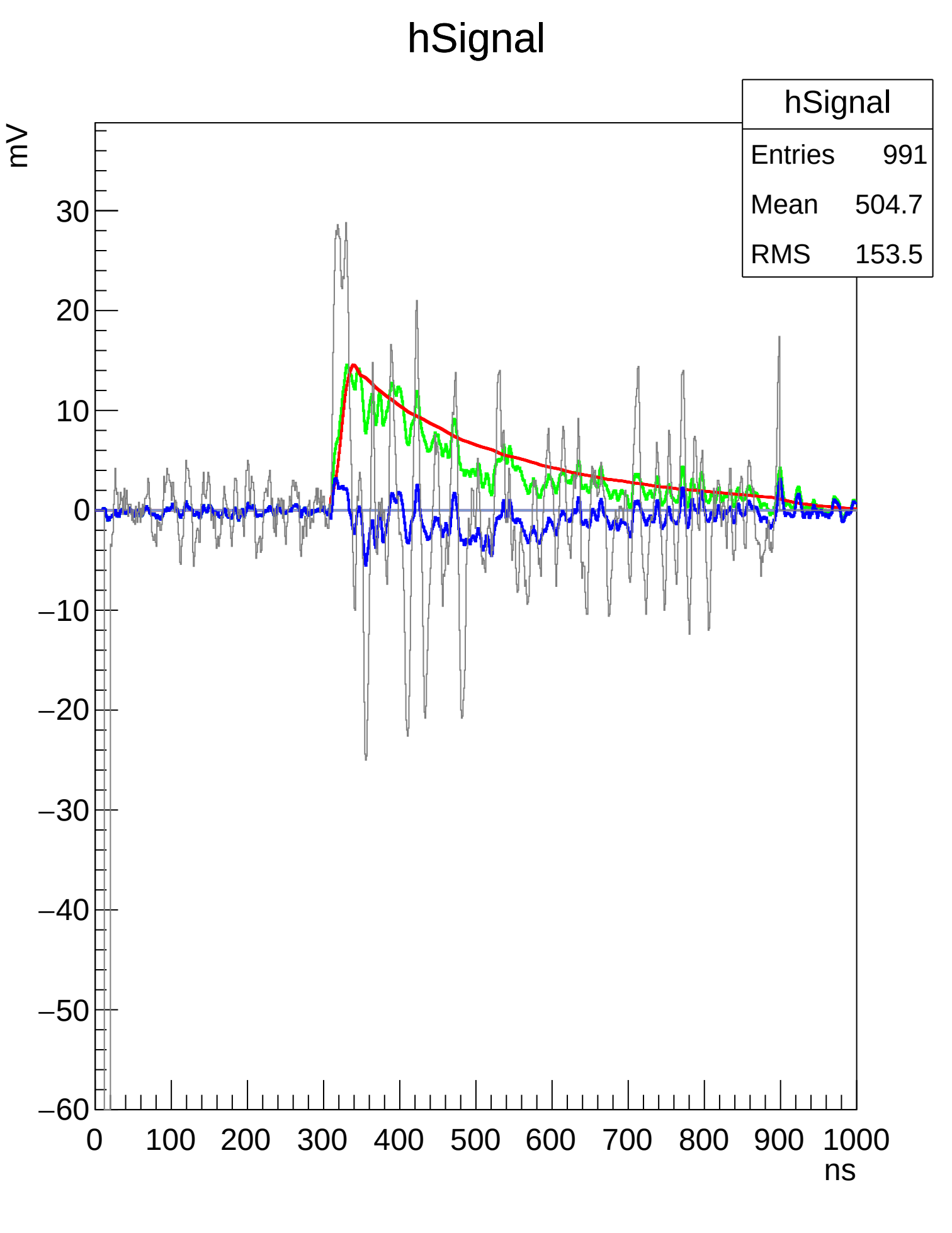
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.7
RMS 153.5
mV
30
20
10
0
−10
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200
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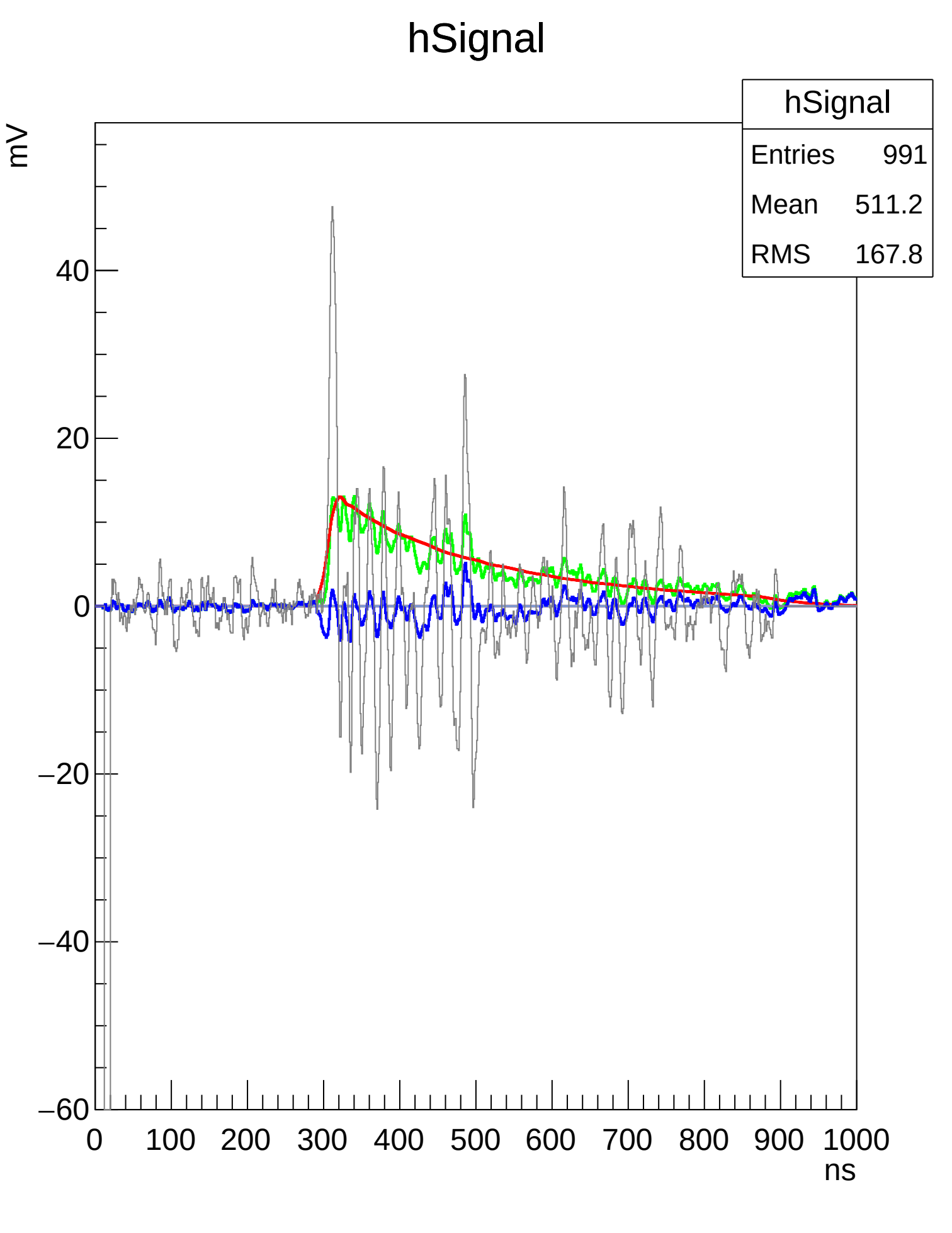
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.2
RMS 167.8
mV
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20
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−20
−40
−60
0
100
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400
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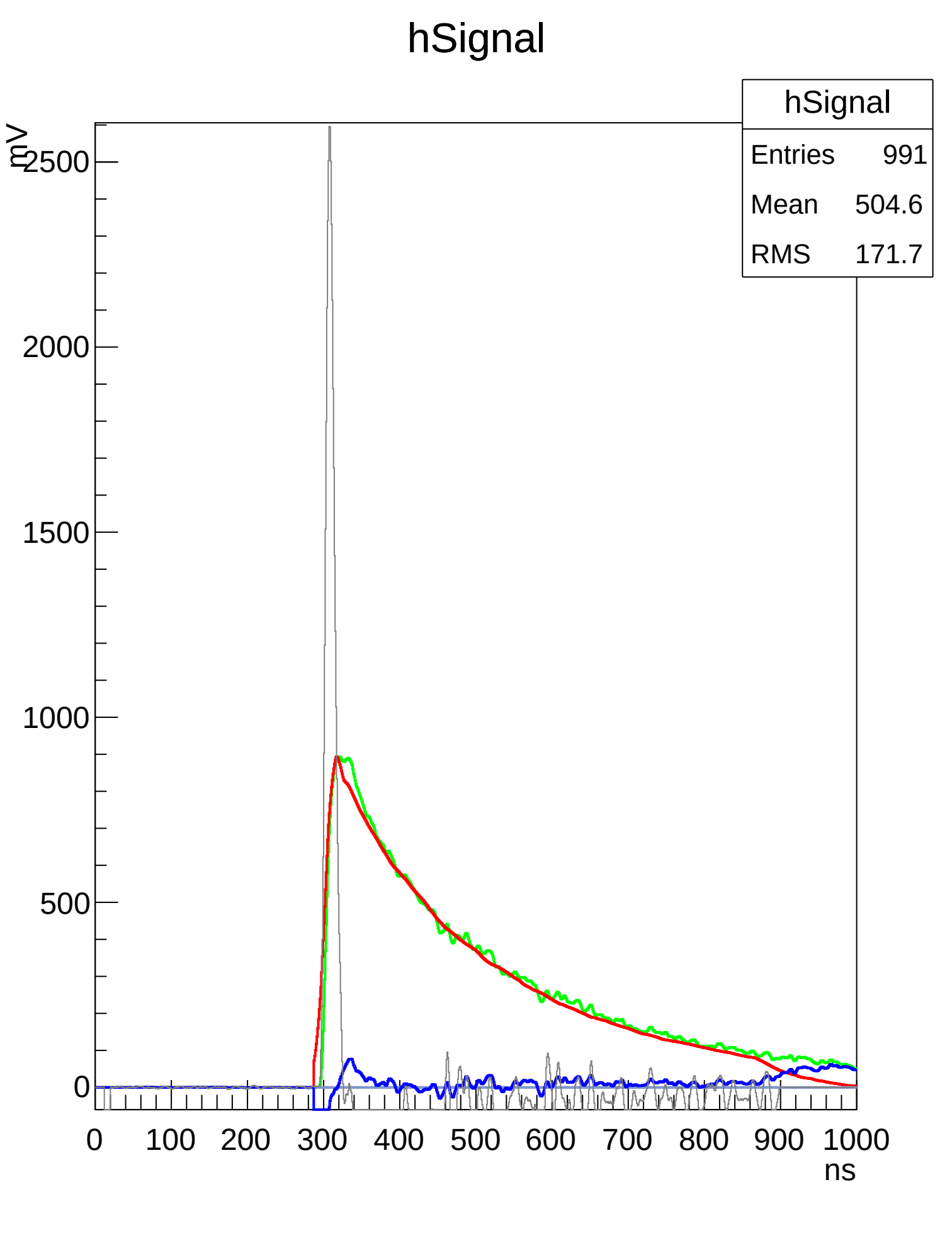
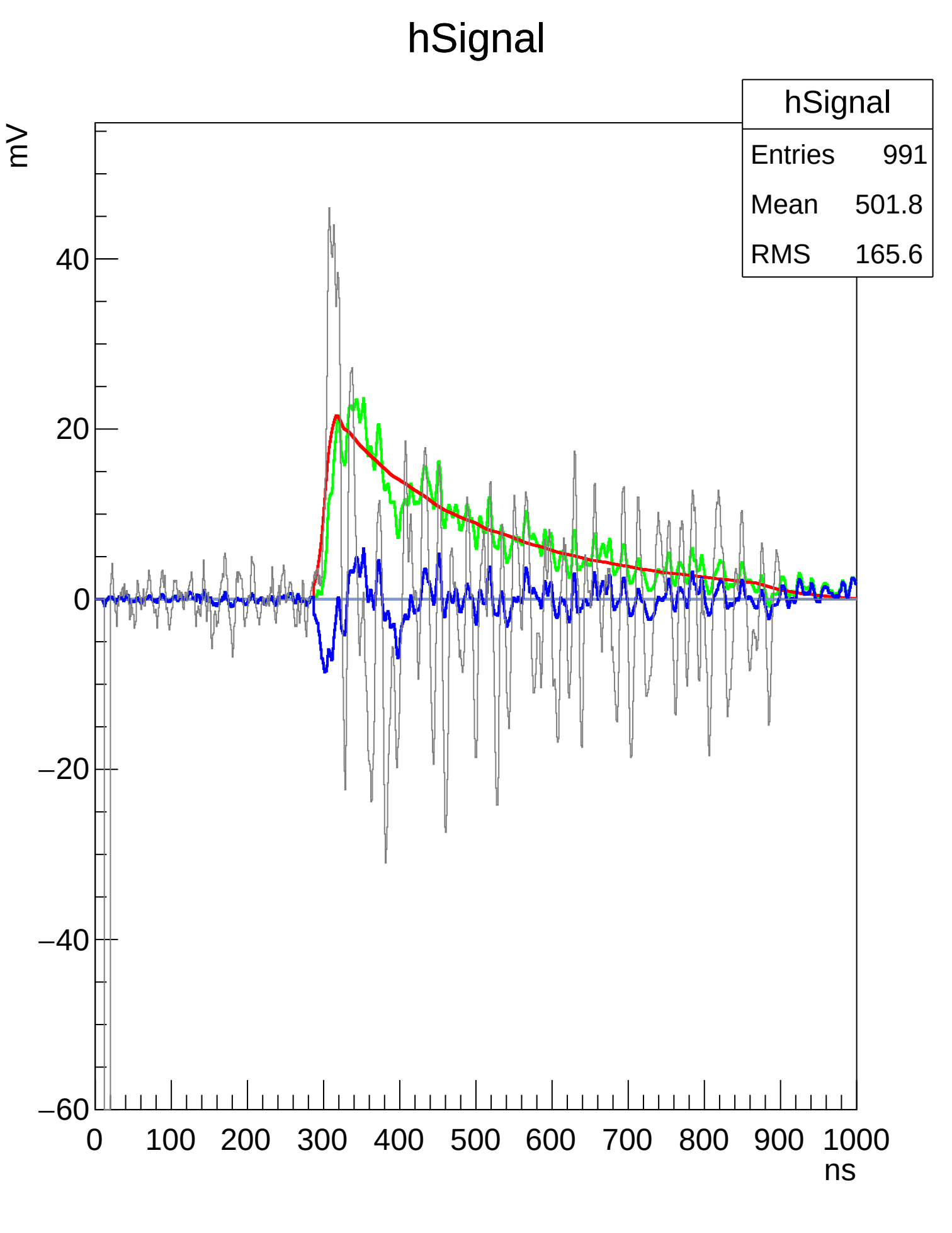
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.6
RMS 171.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 501.8
RMS 165.6
mV
40
20
0
−20
−40
−60
0
100
200
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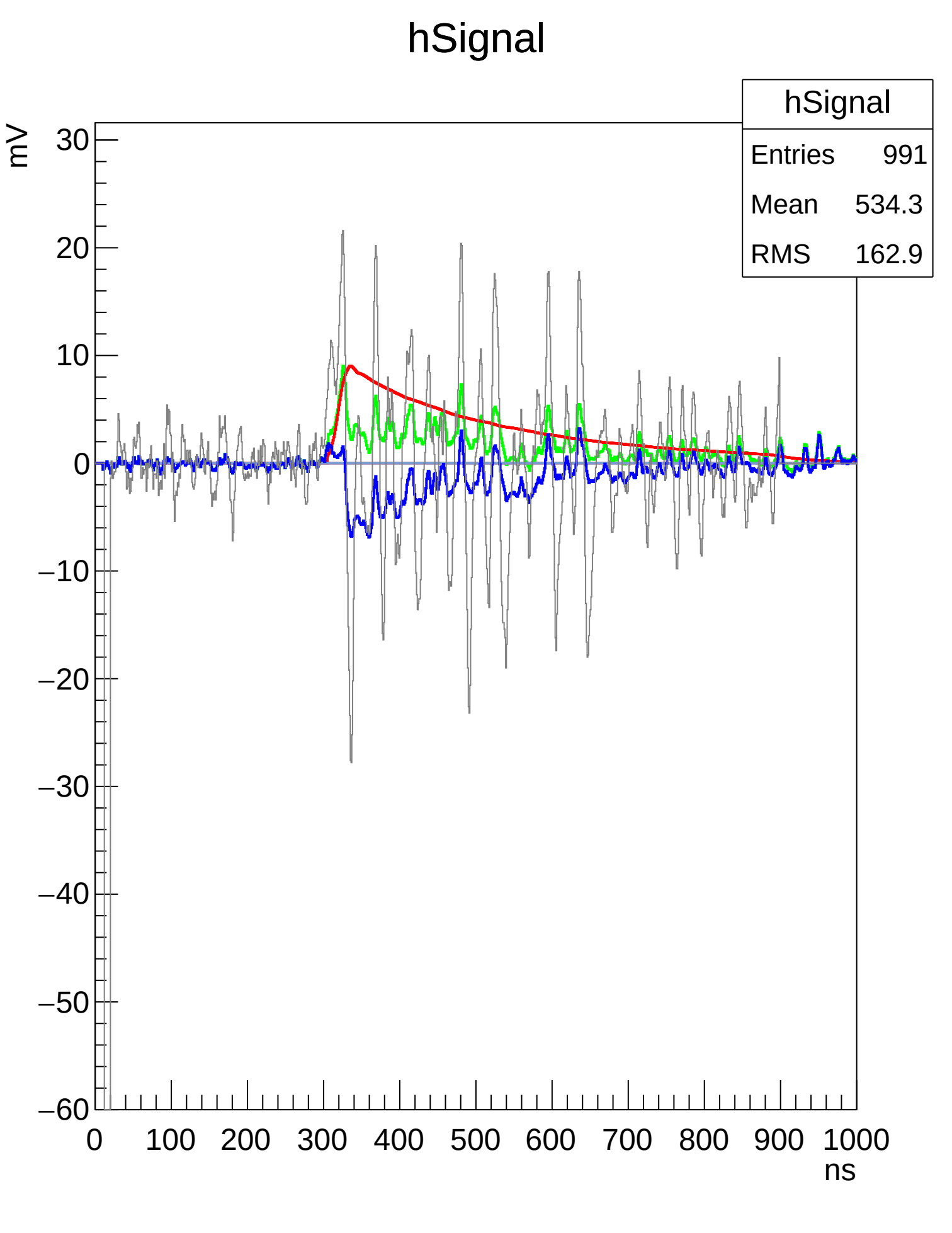
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.3
RMS 162.9
mV
30
20
10
0
−10
−20
−30
−40
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100
200
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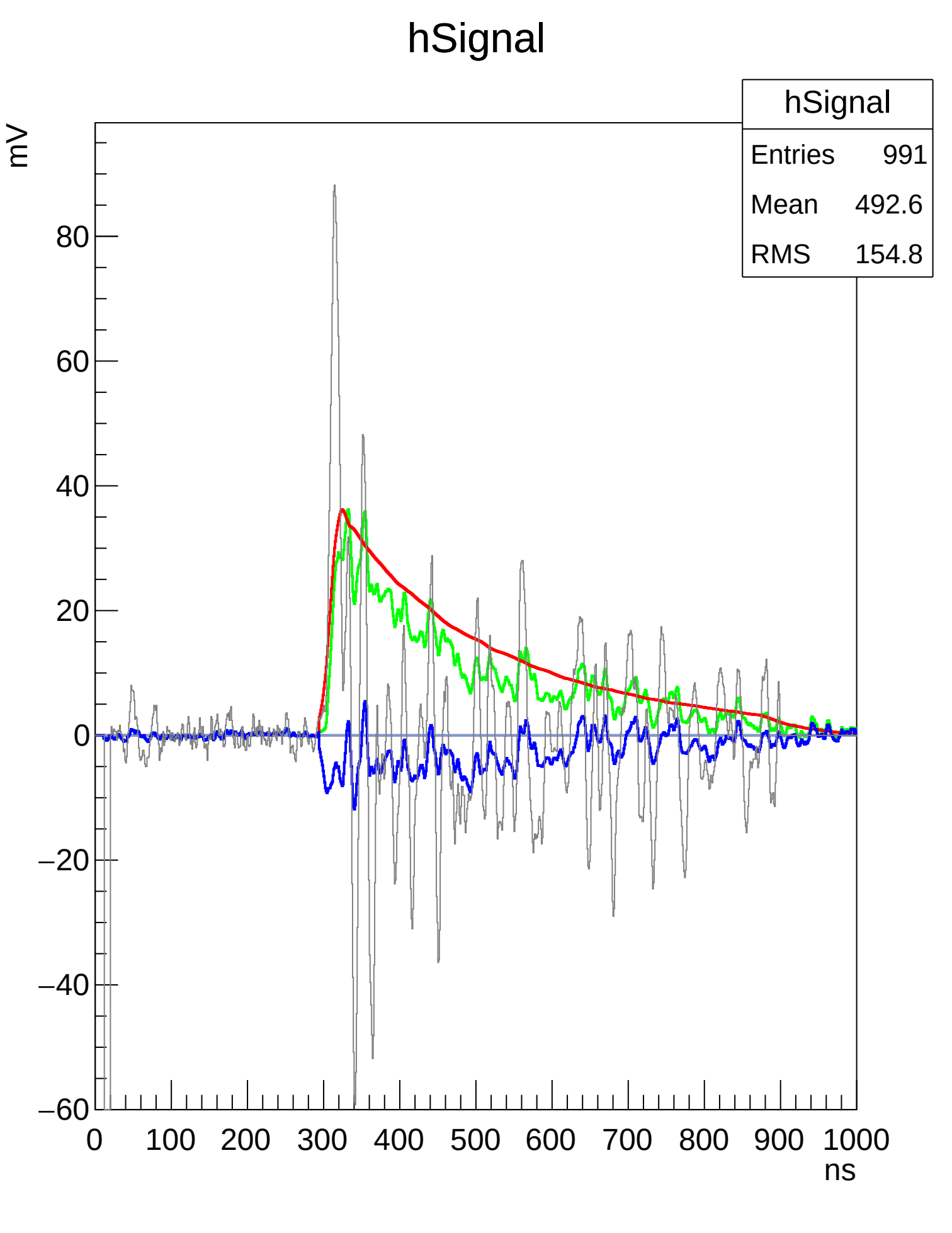
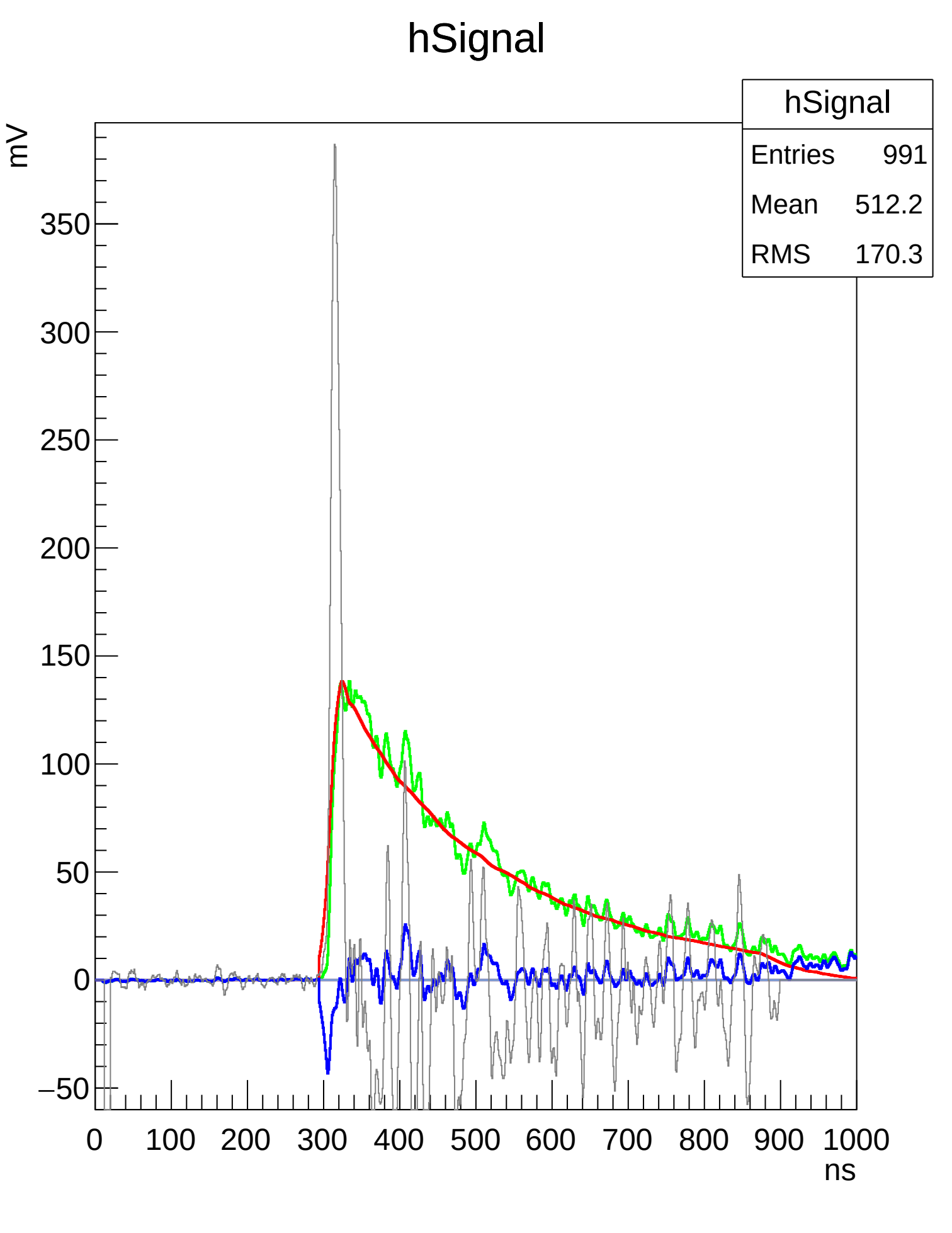
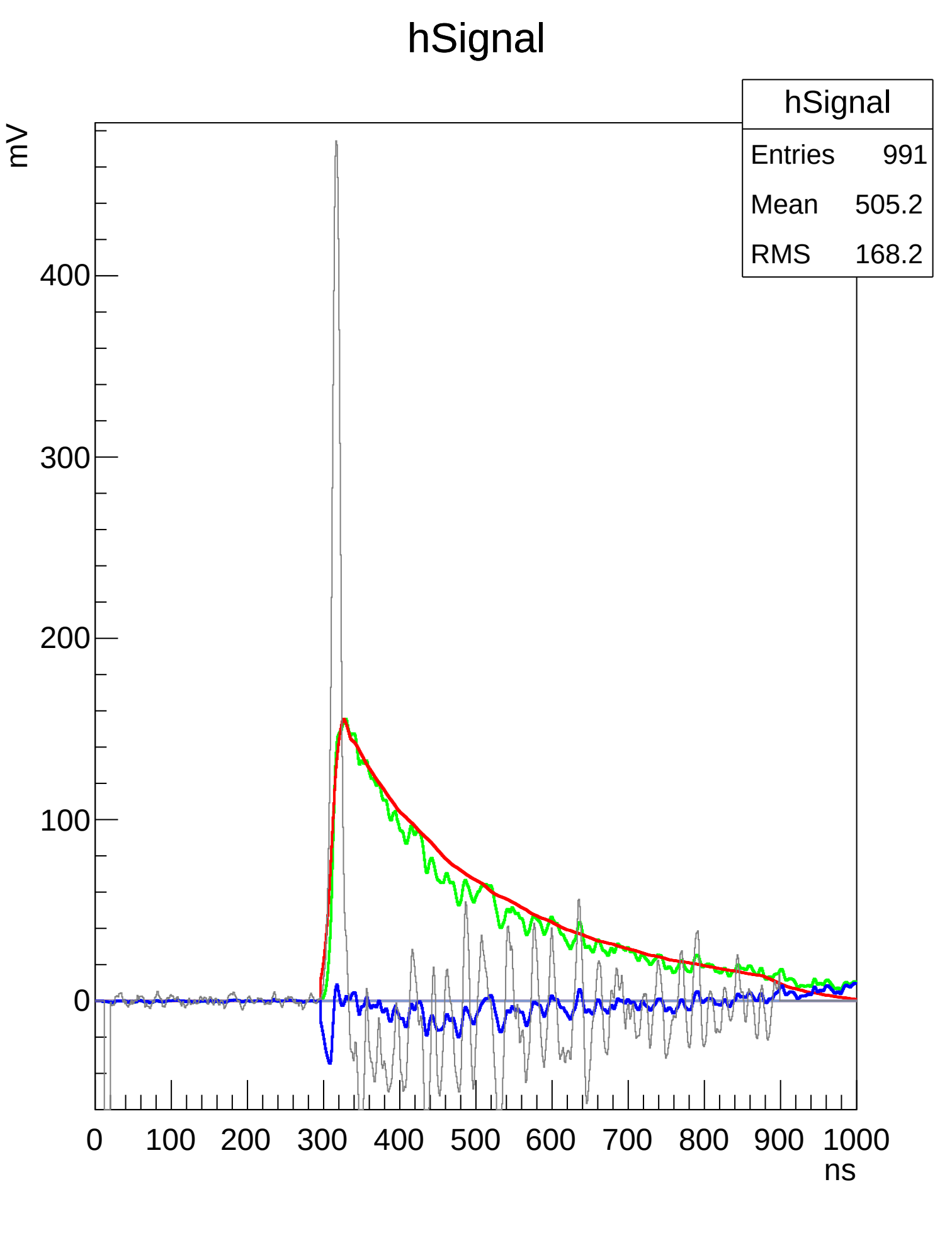
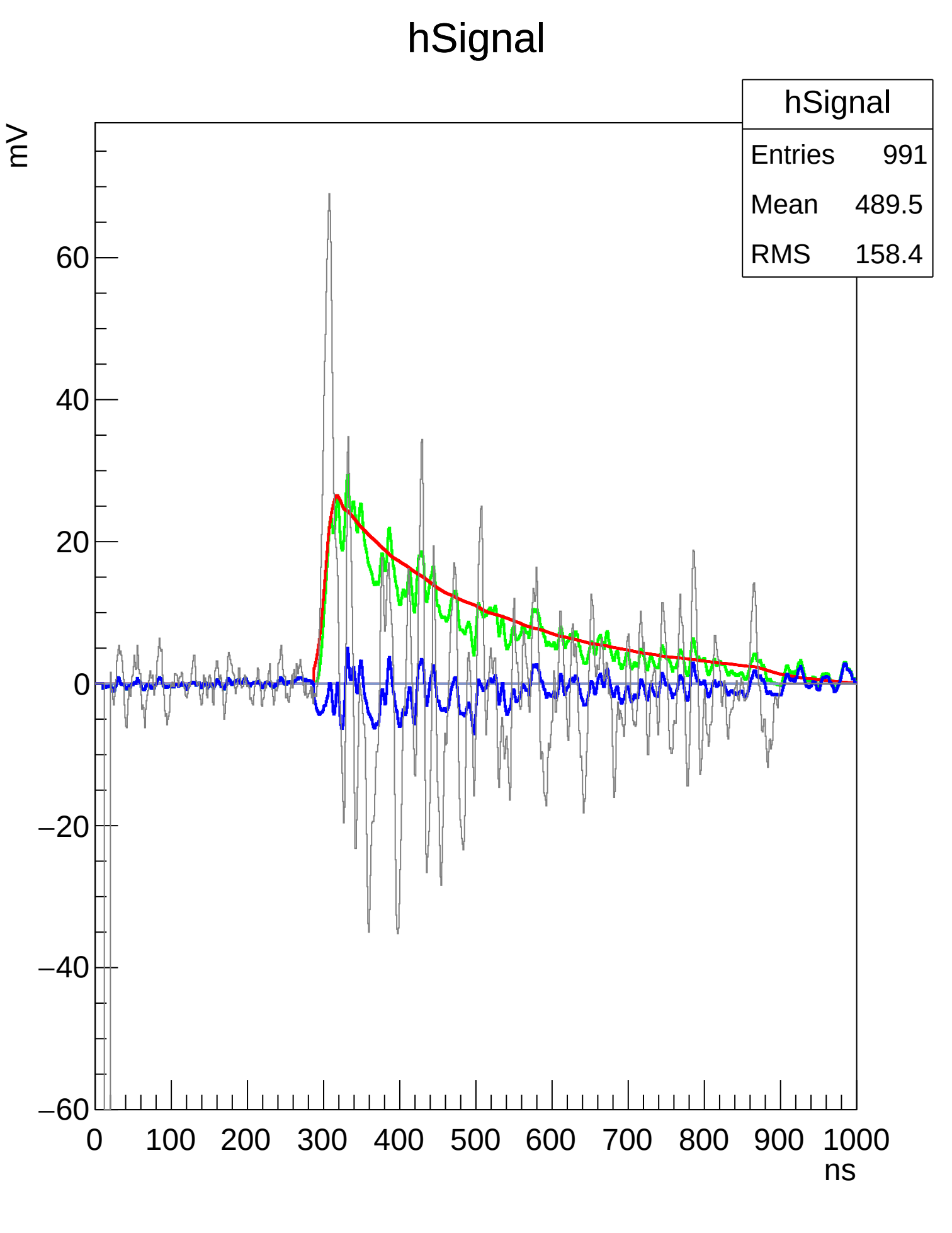
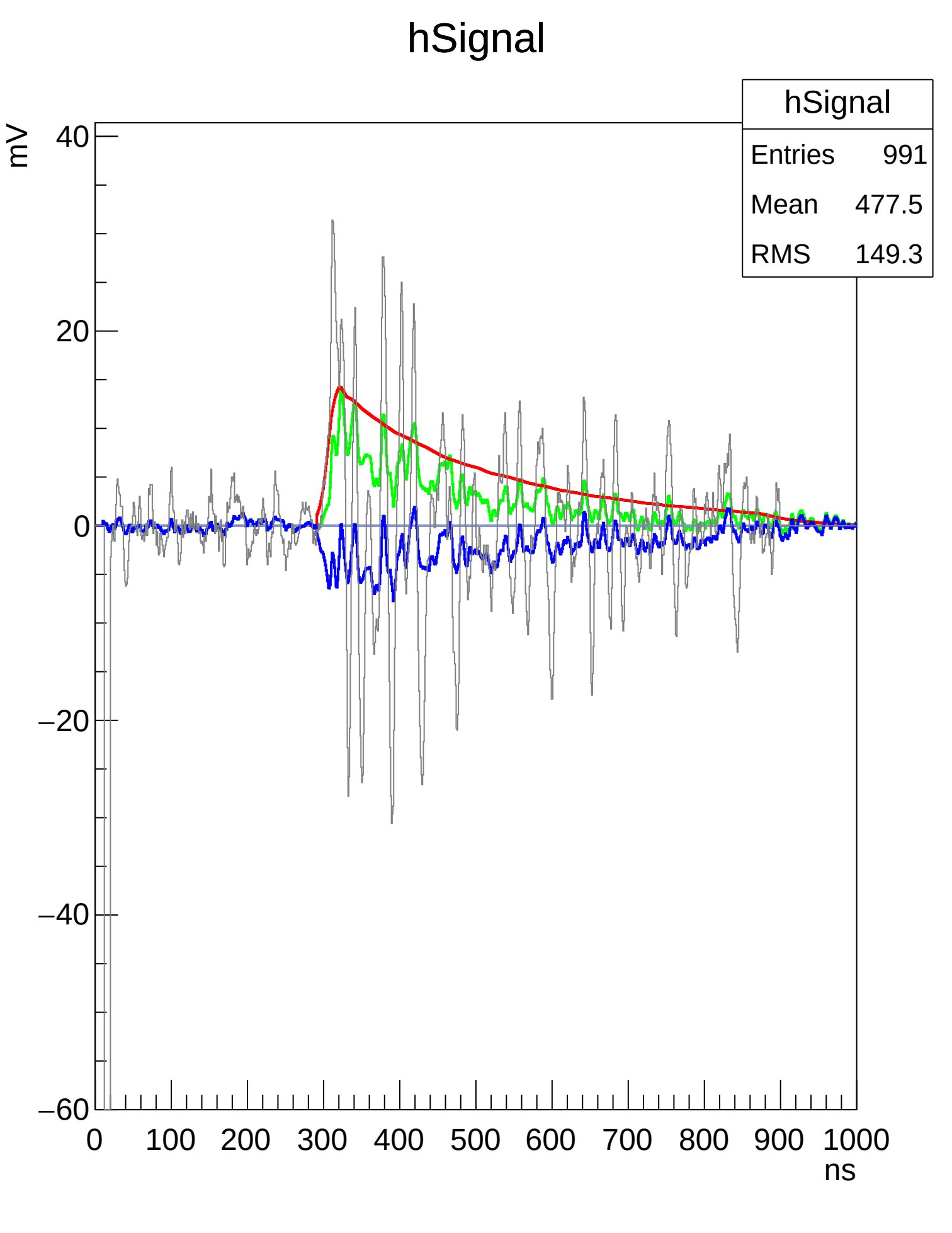
600
700
800
900
1000
ns

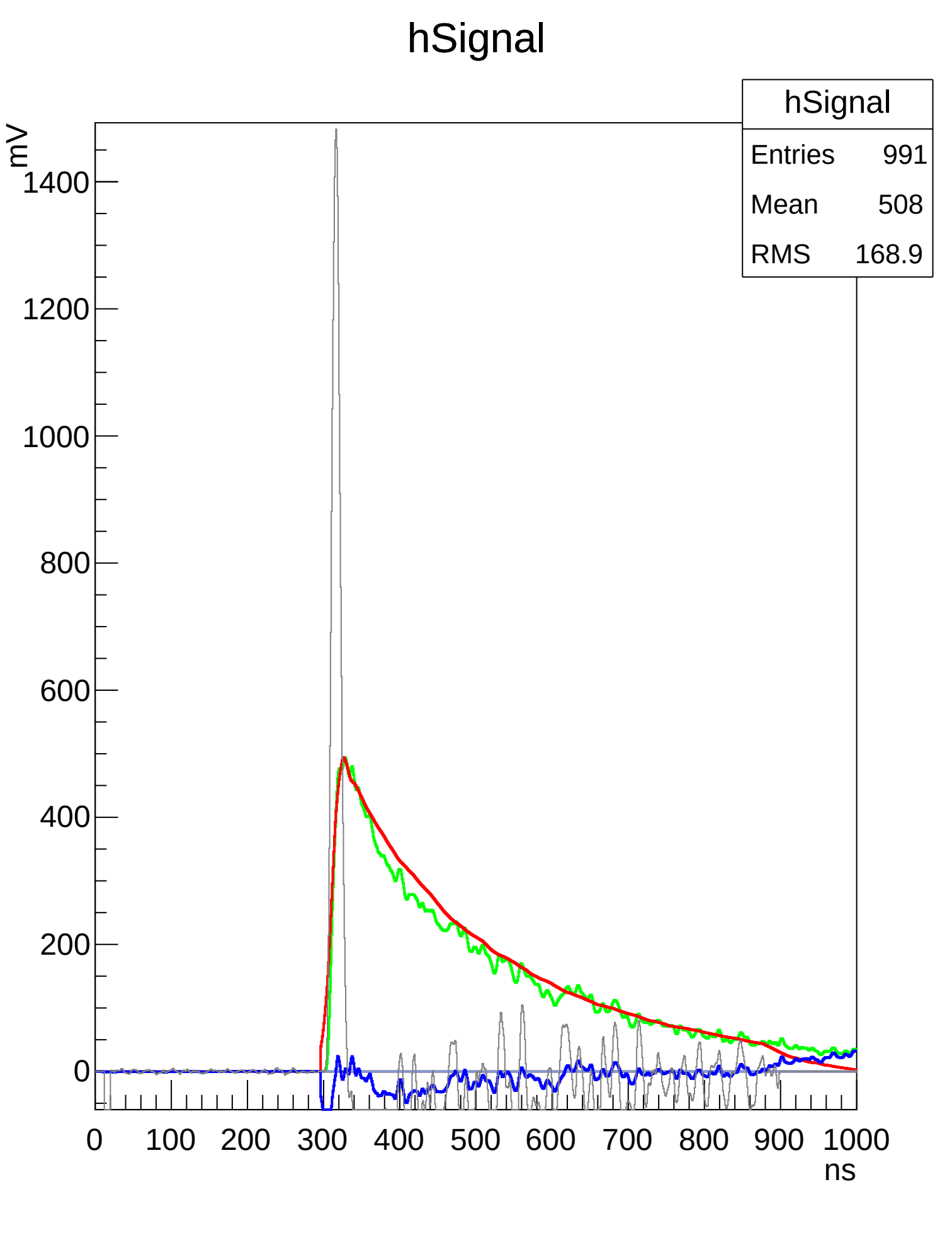

hSignal
hSignal
Entries 991
Mean 492.6
RMS 154.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

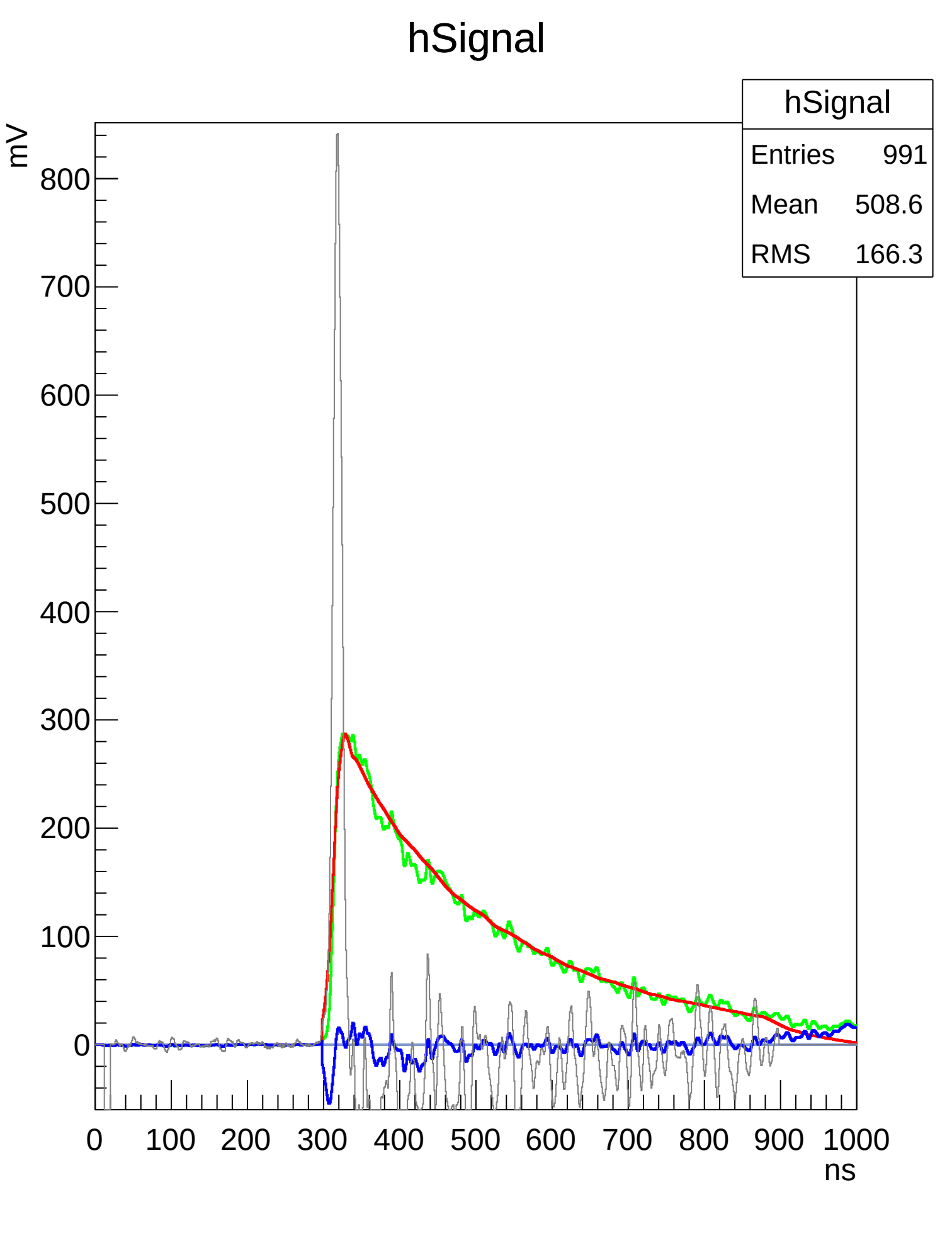

hSignal
hSignal
Entries 991
Mean 512.2
RMS 170.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

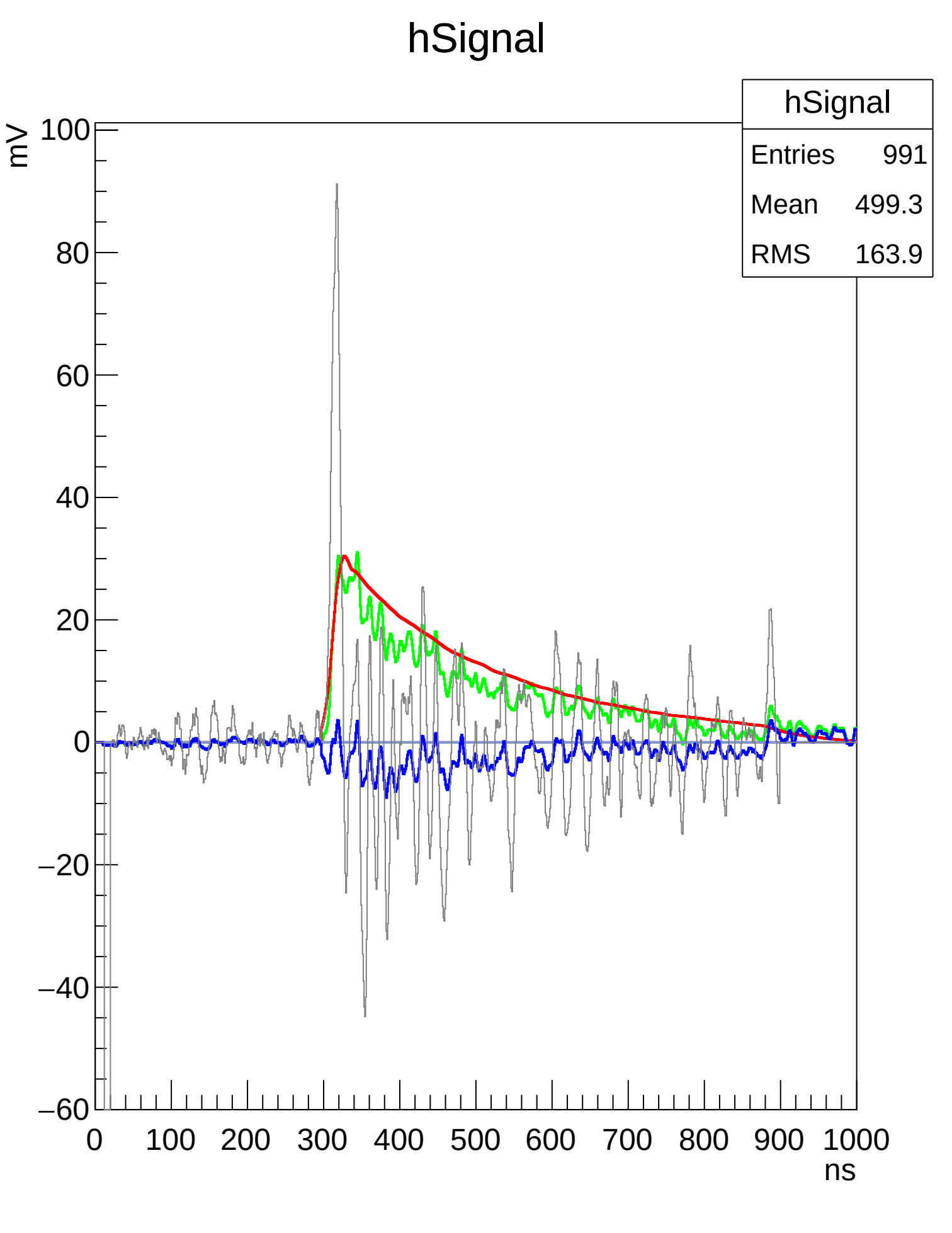

hSignal
hSignal
Entries 991
Mean 505.2
RMS 168.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

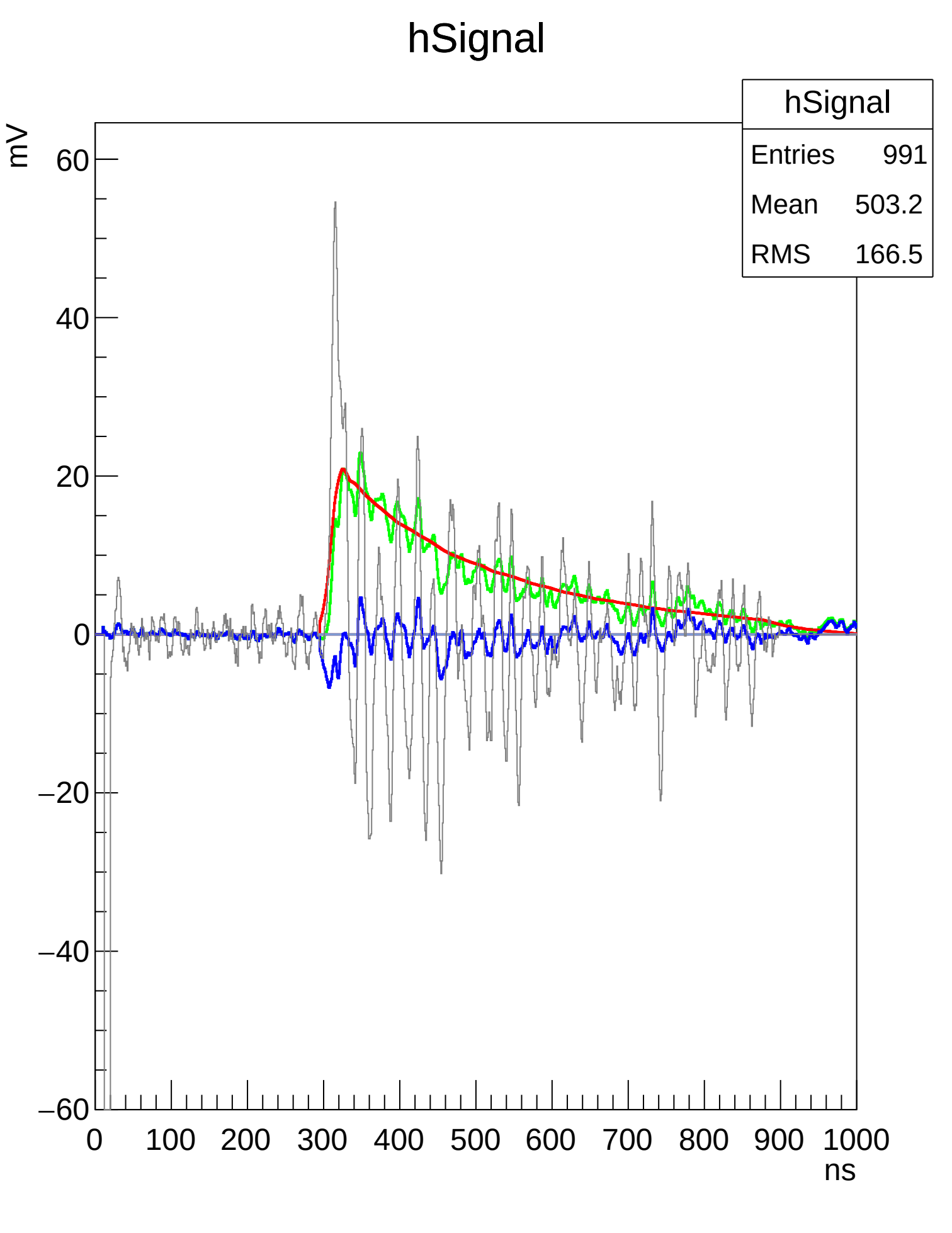

hSignal
hSignal
Entries 991
Mean 489.5
RMS 158.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

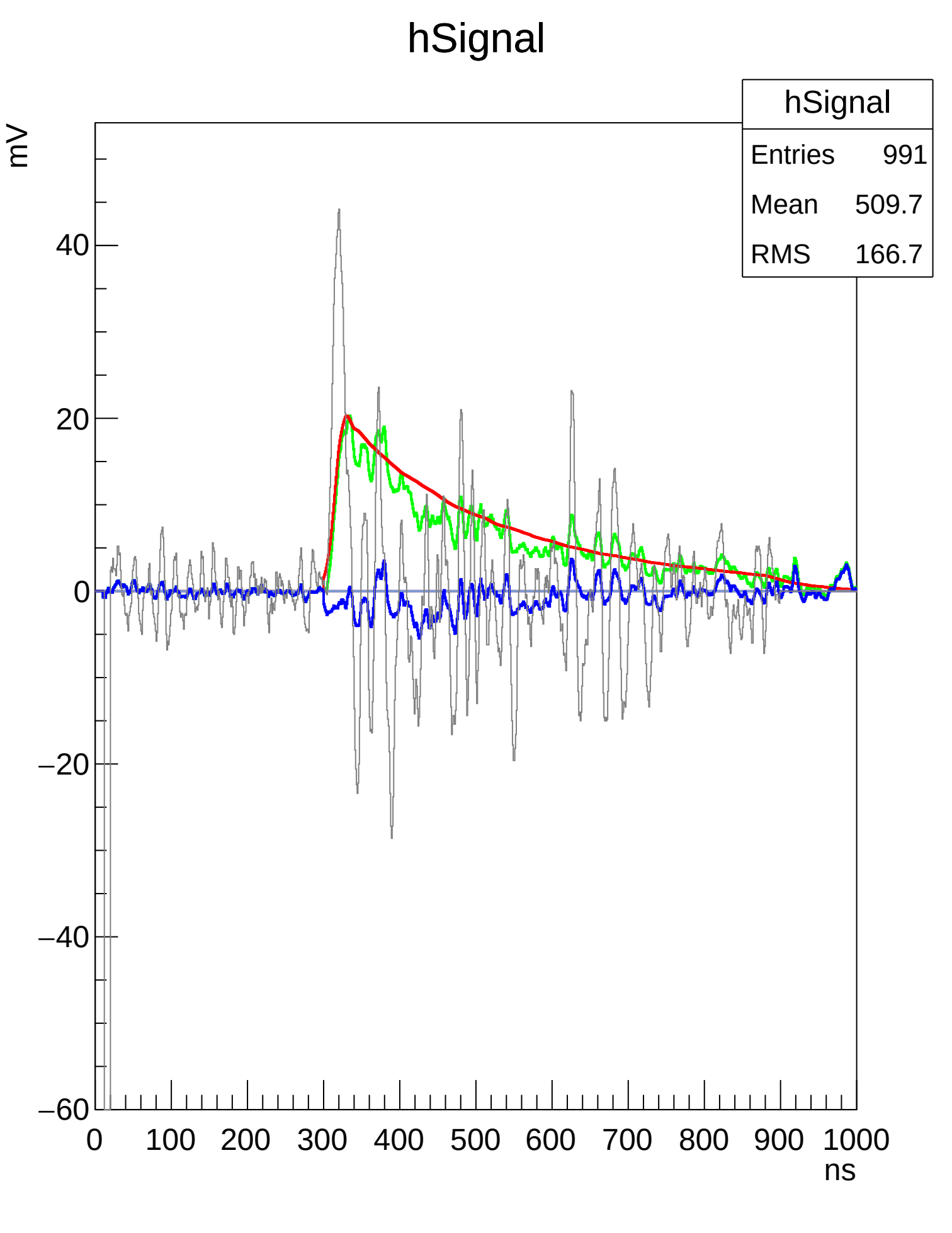

hSignal
hSignal
Entries 991
Mean 477.5
RMS 149.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508
RMS 168.9
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.6
RMS 166.3
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.3
RMS 163.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.2
RMS 166.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.7
RMS 166.7
mV
40
20
0
−20
−40
−60
0
100
200
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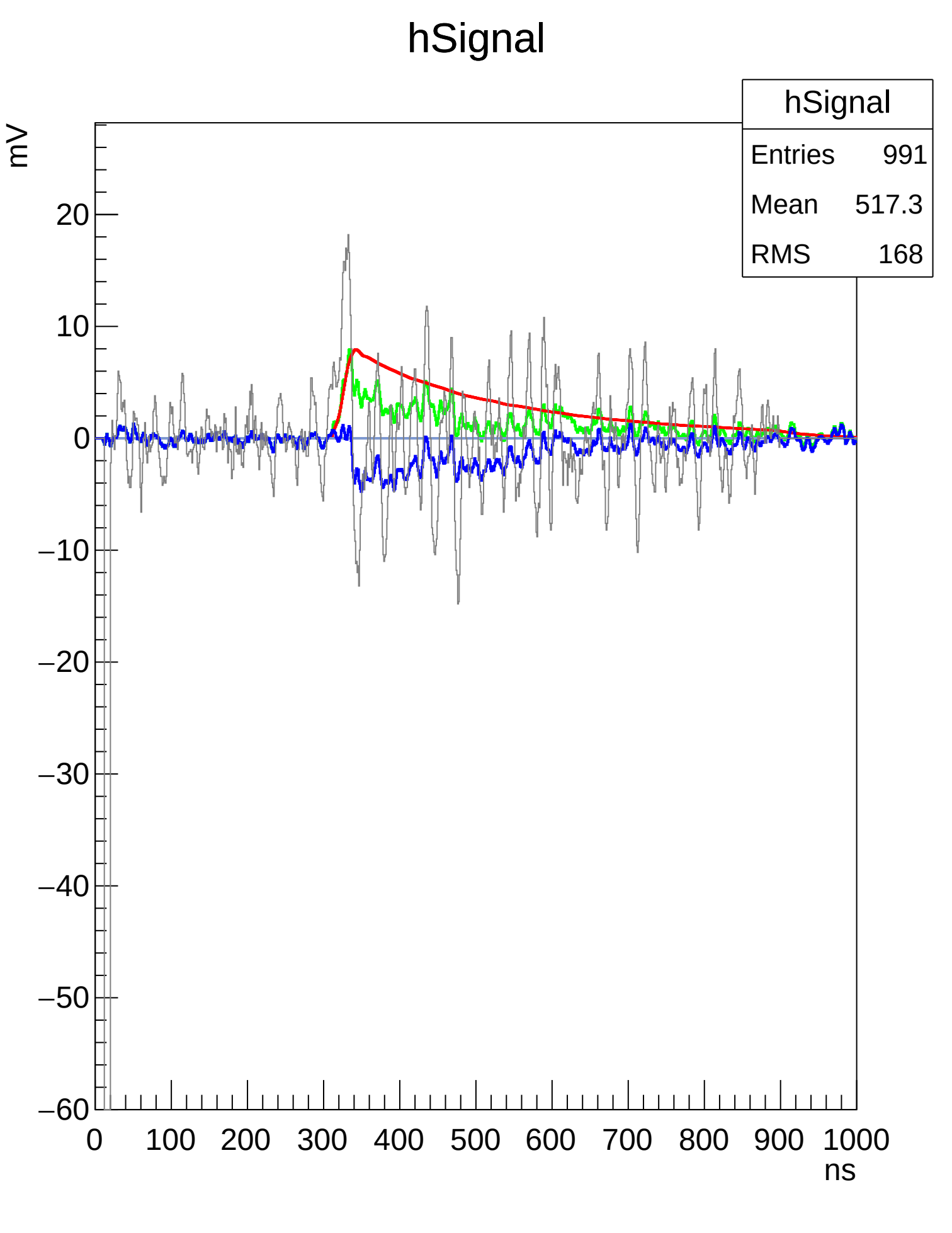
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.3
RMS 168
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
700
800
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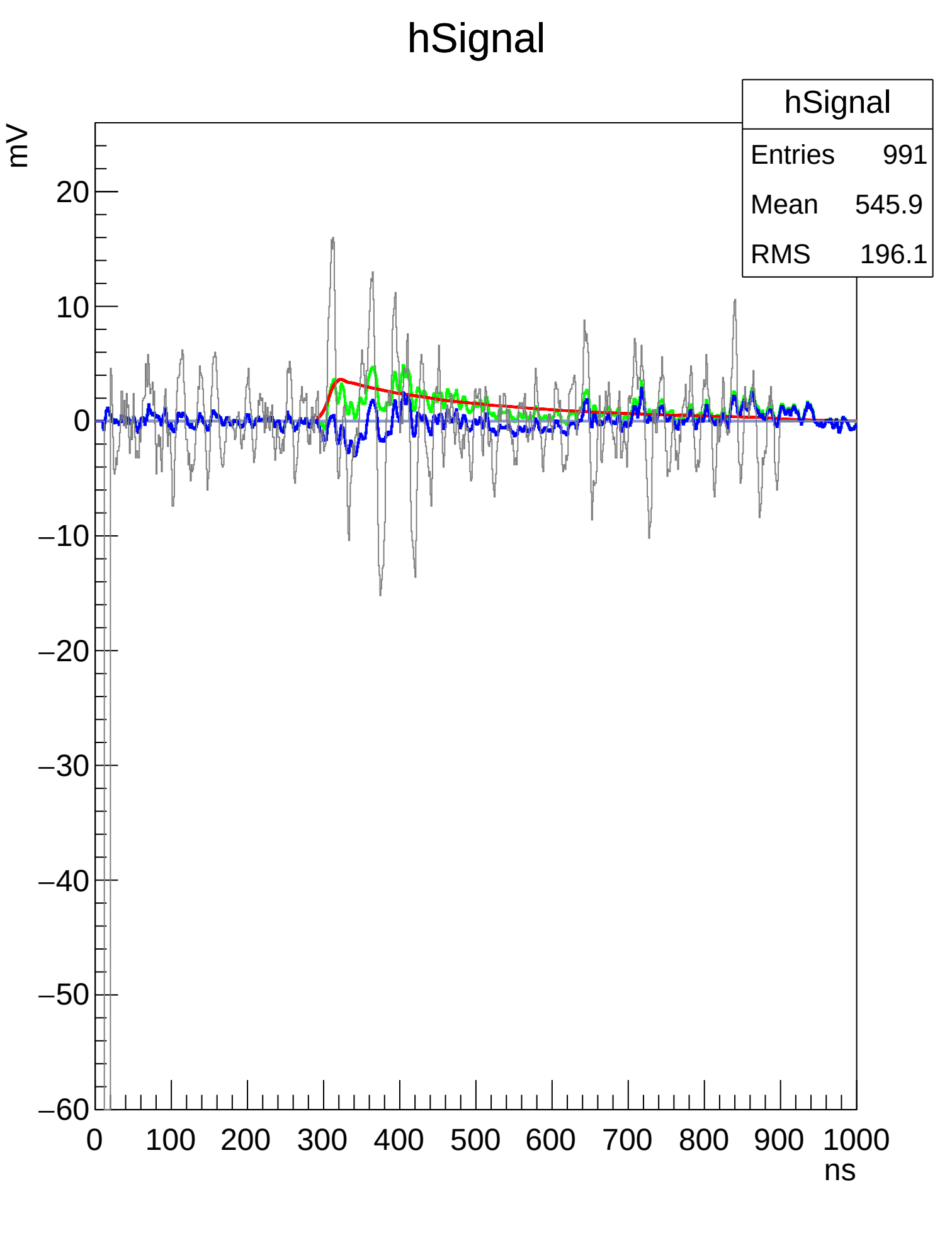
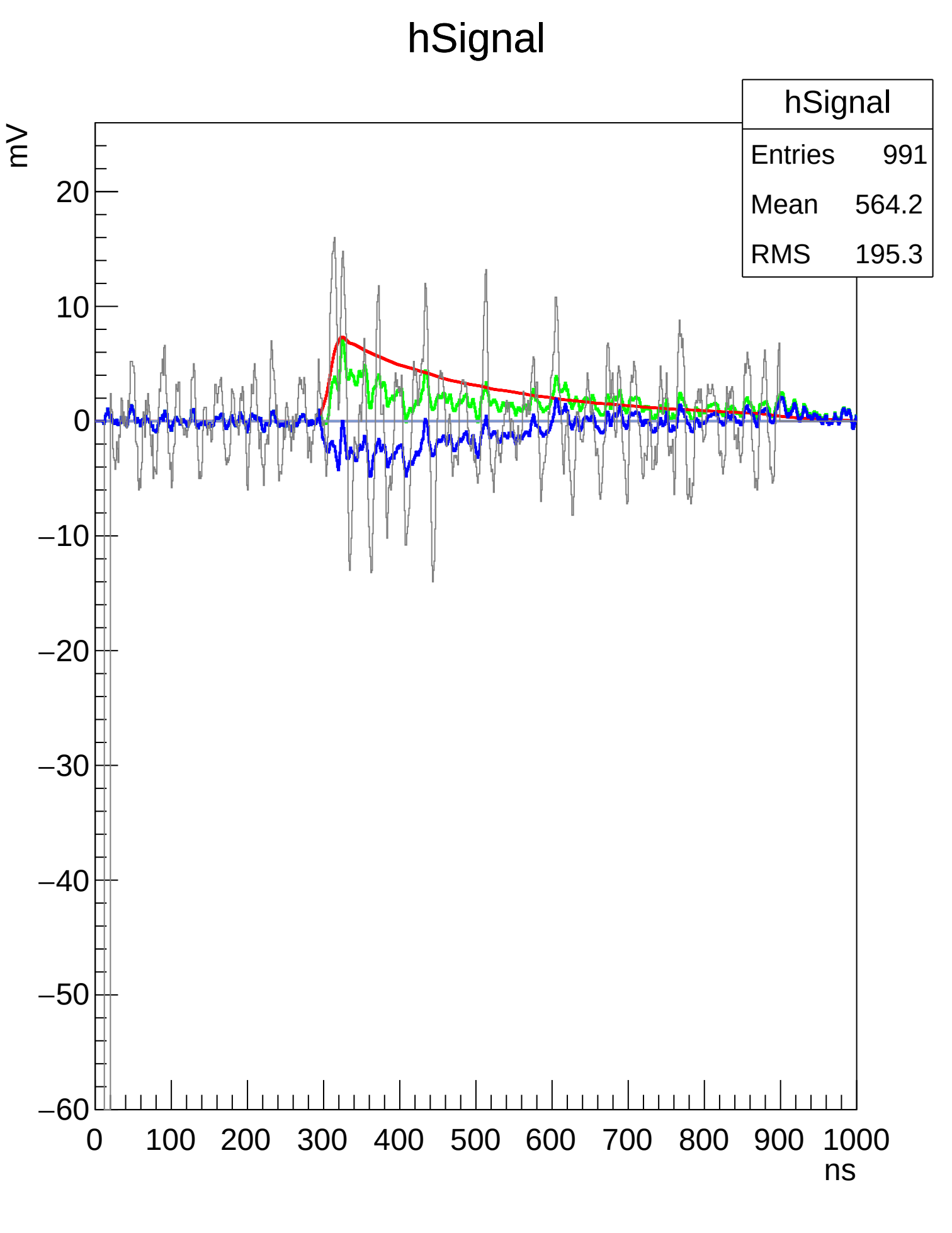
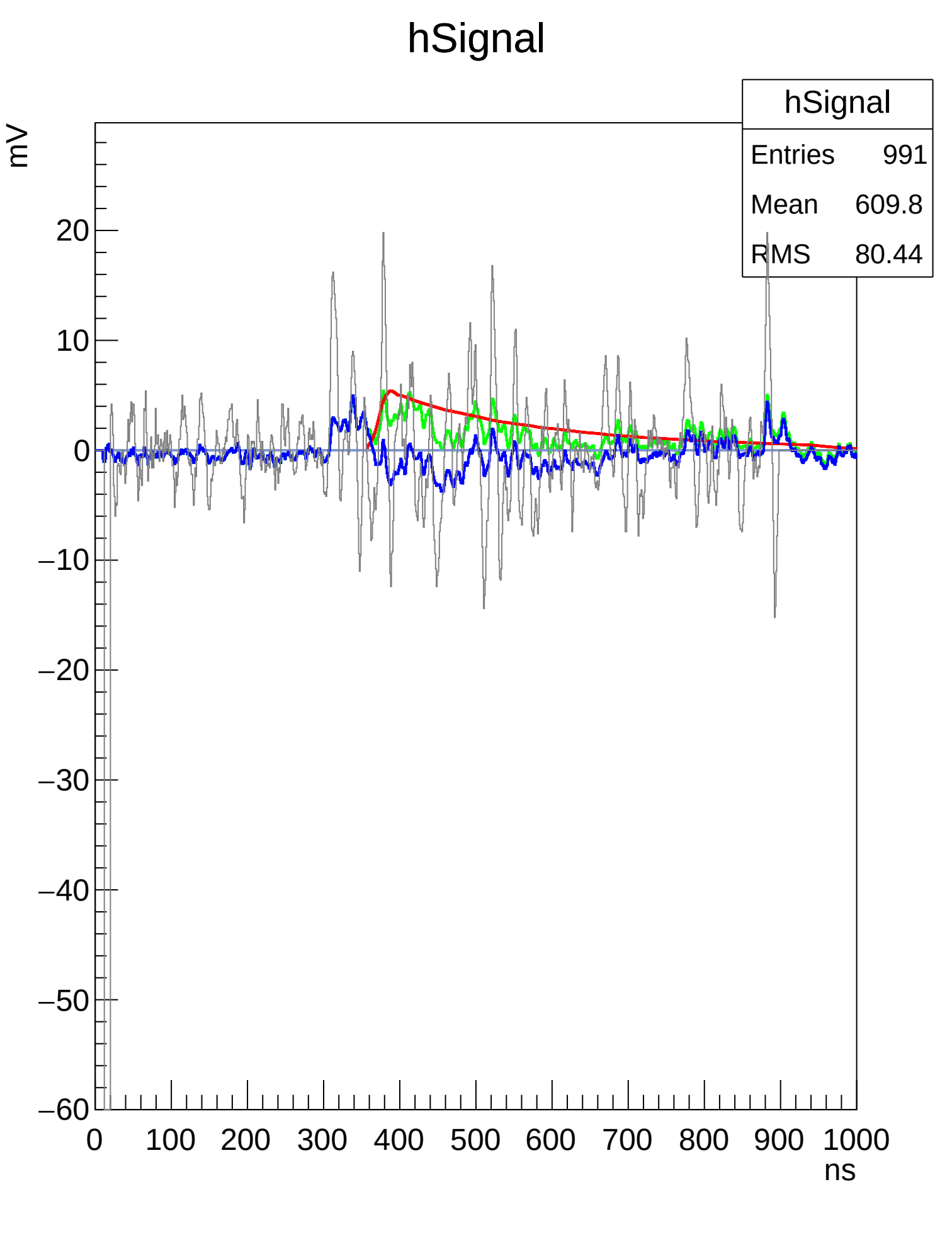
1000
ns


hSignal
hSignal
Entries 991
Mean 545.9
RMS 196.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.2
RMS 195.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.8
RMS 80.44
mV
20
10
0
−10
−20
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−40
−50
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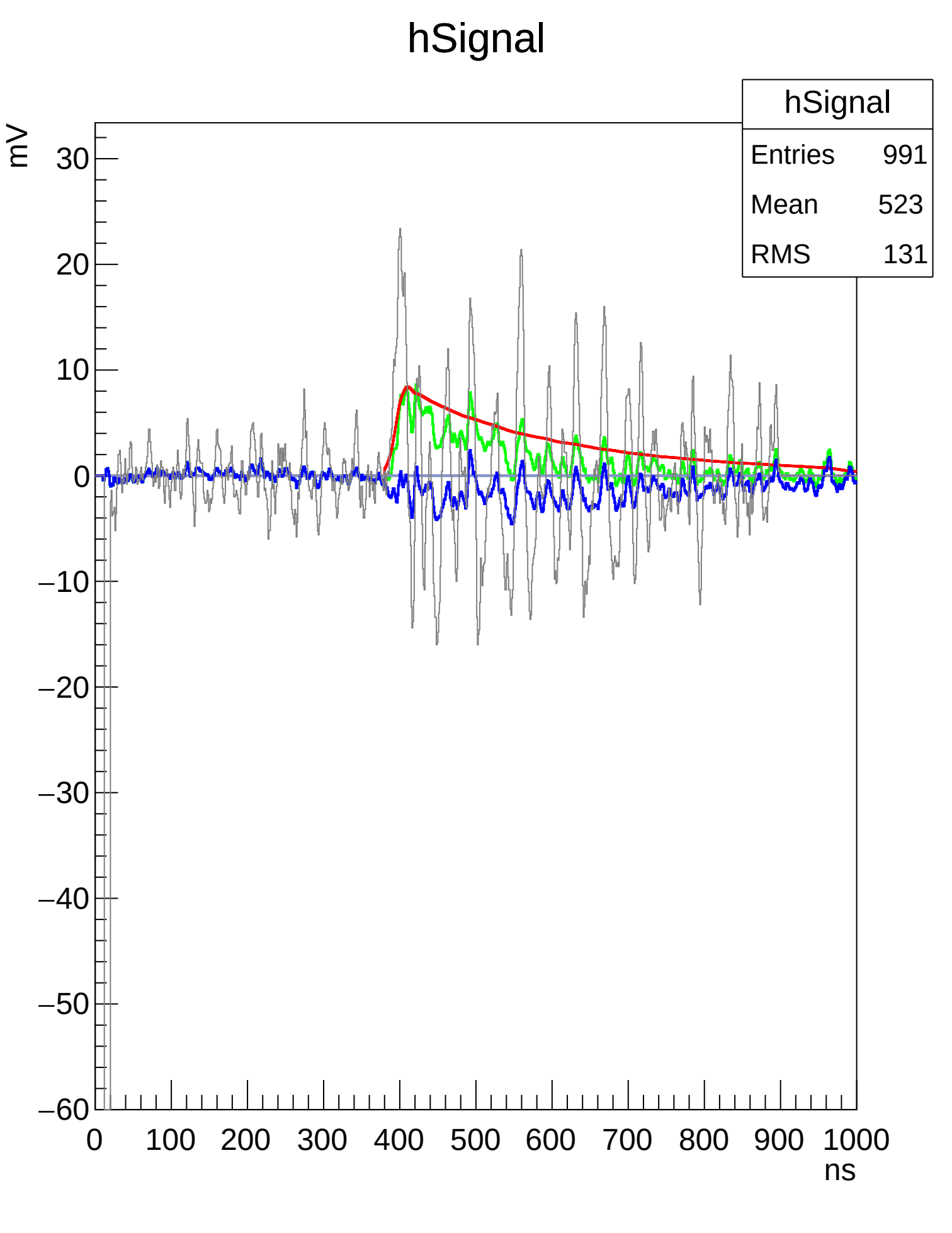
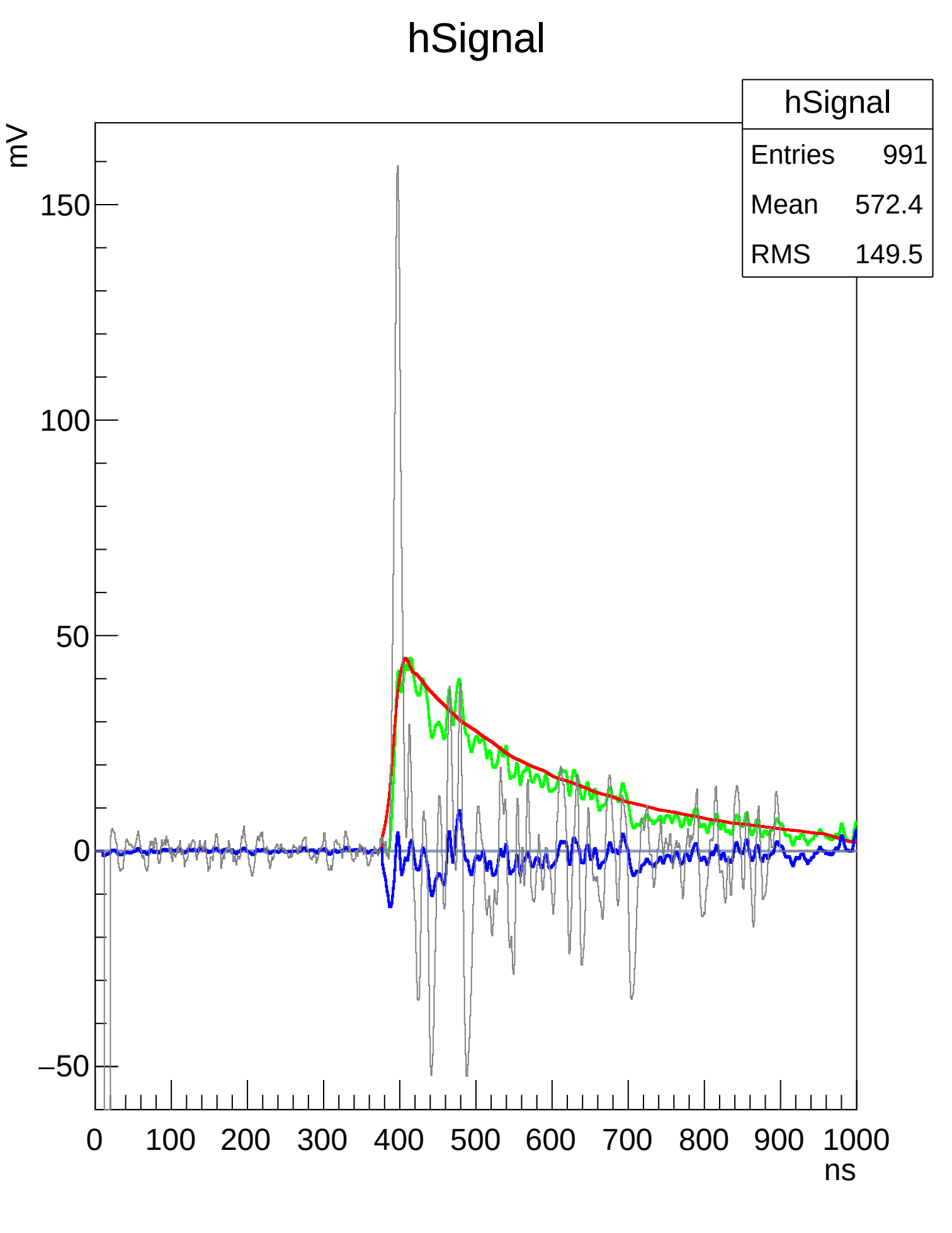
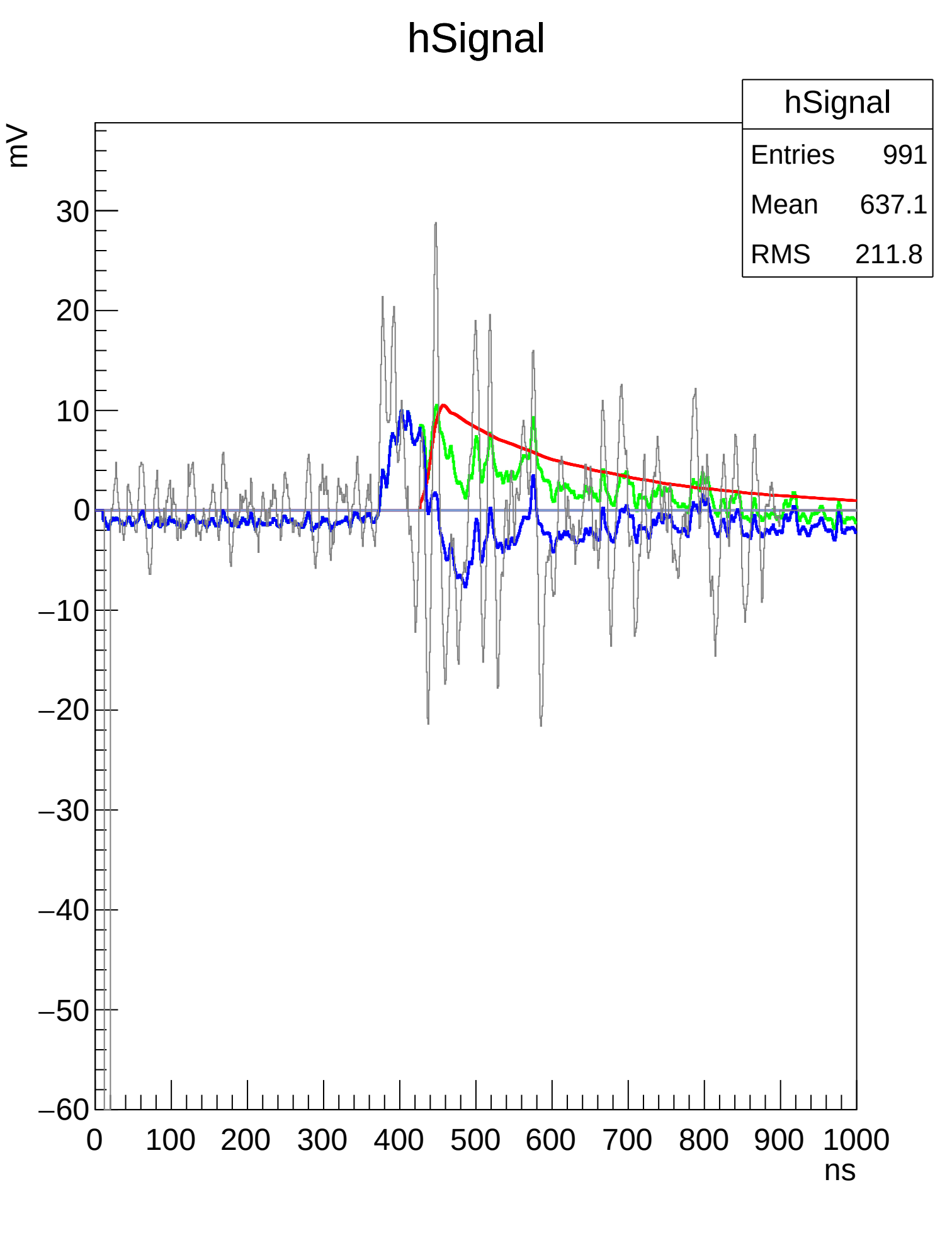
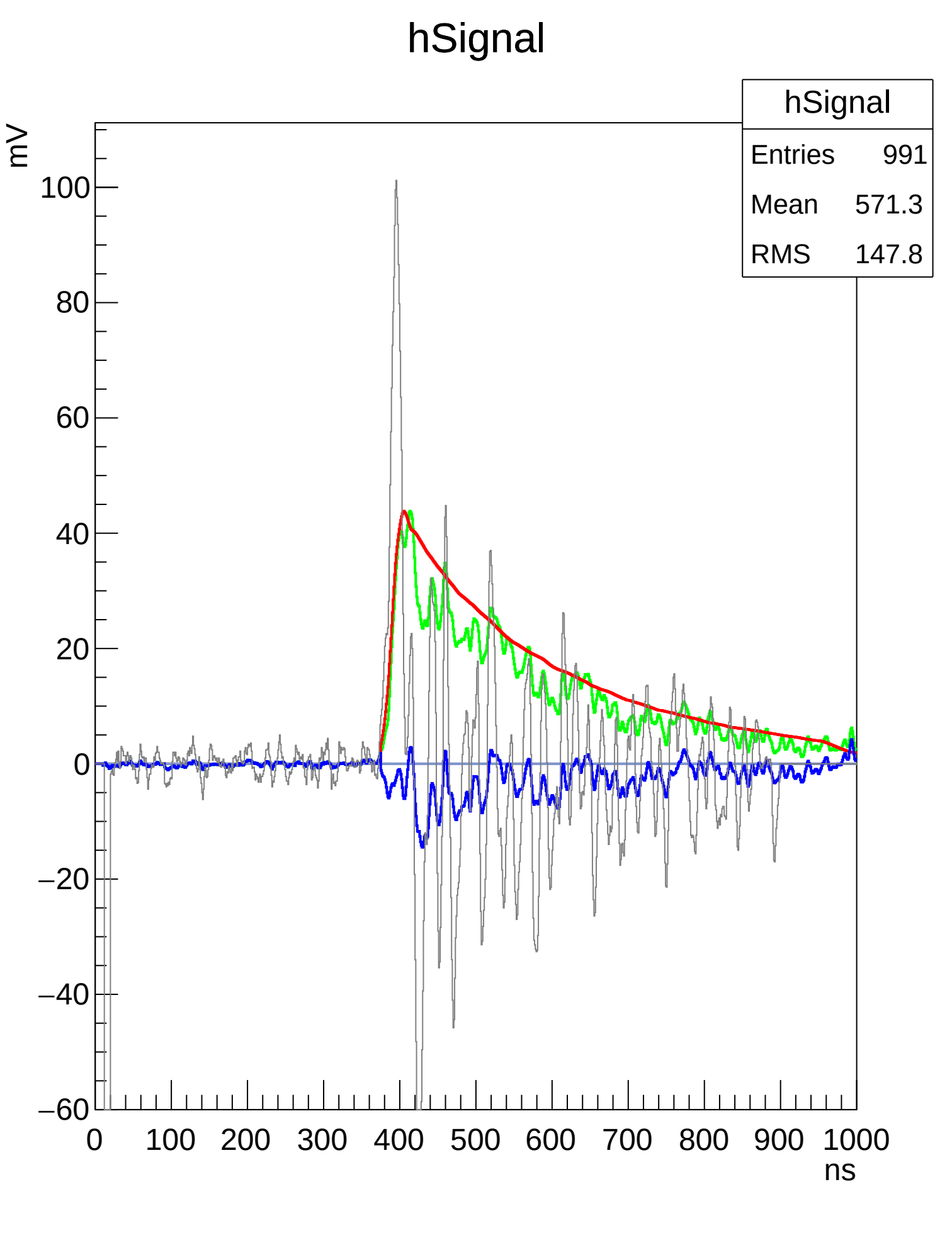
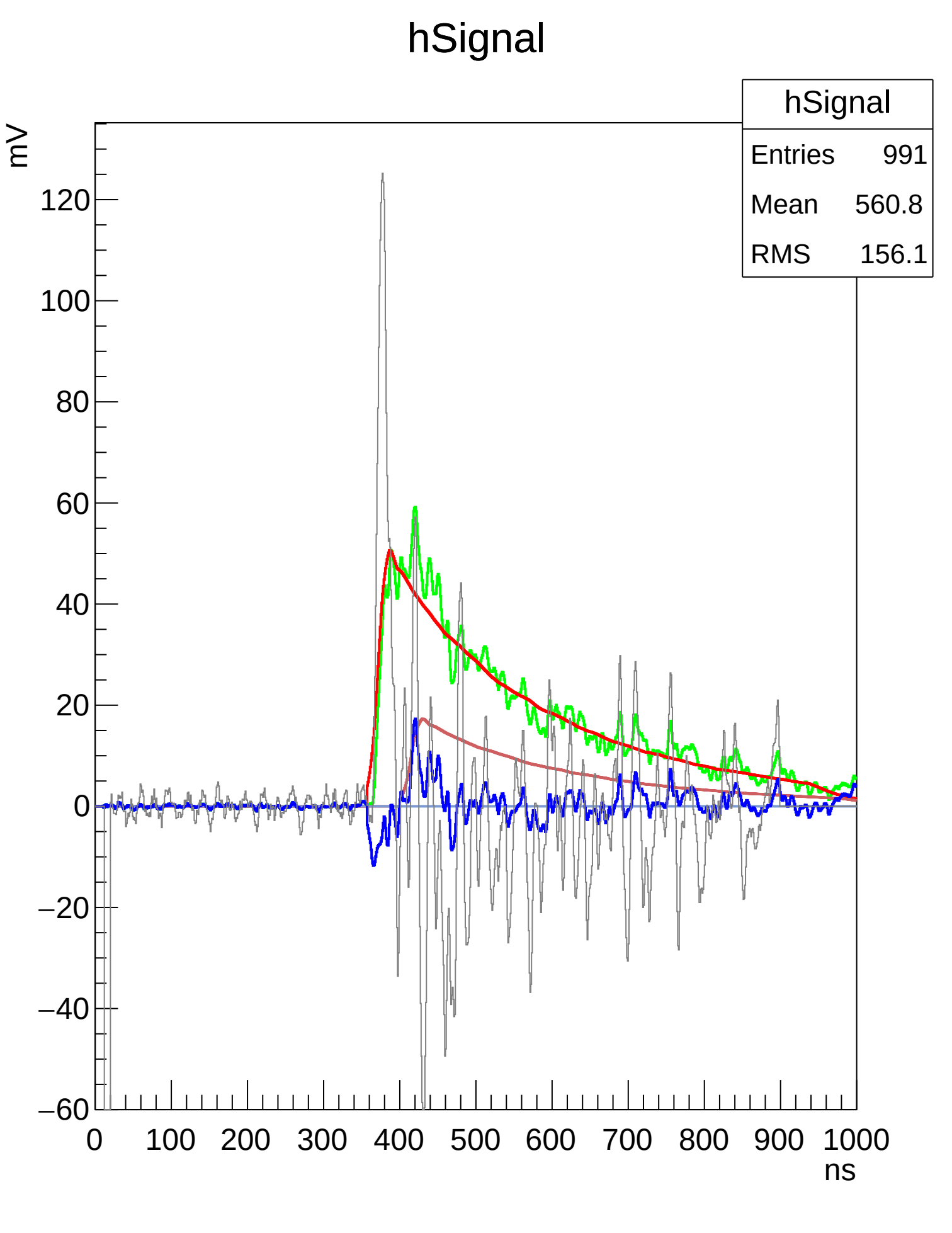
0
100
200
300
400
500
600
700
800
900
1000
ns

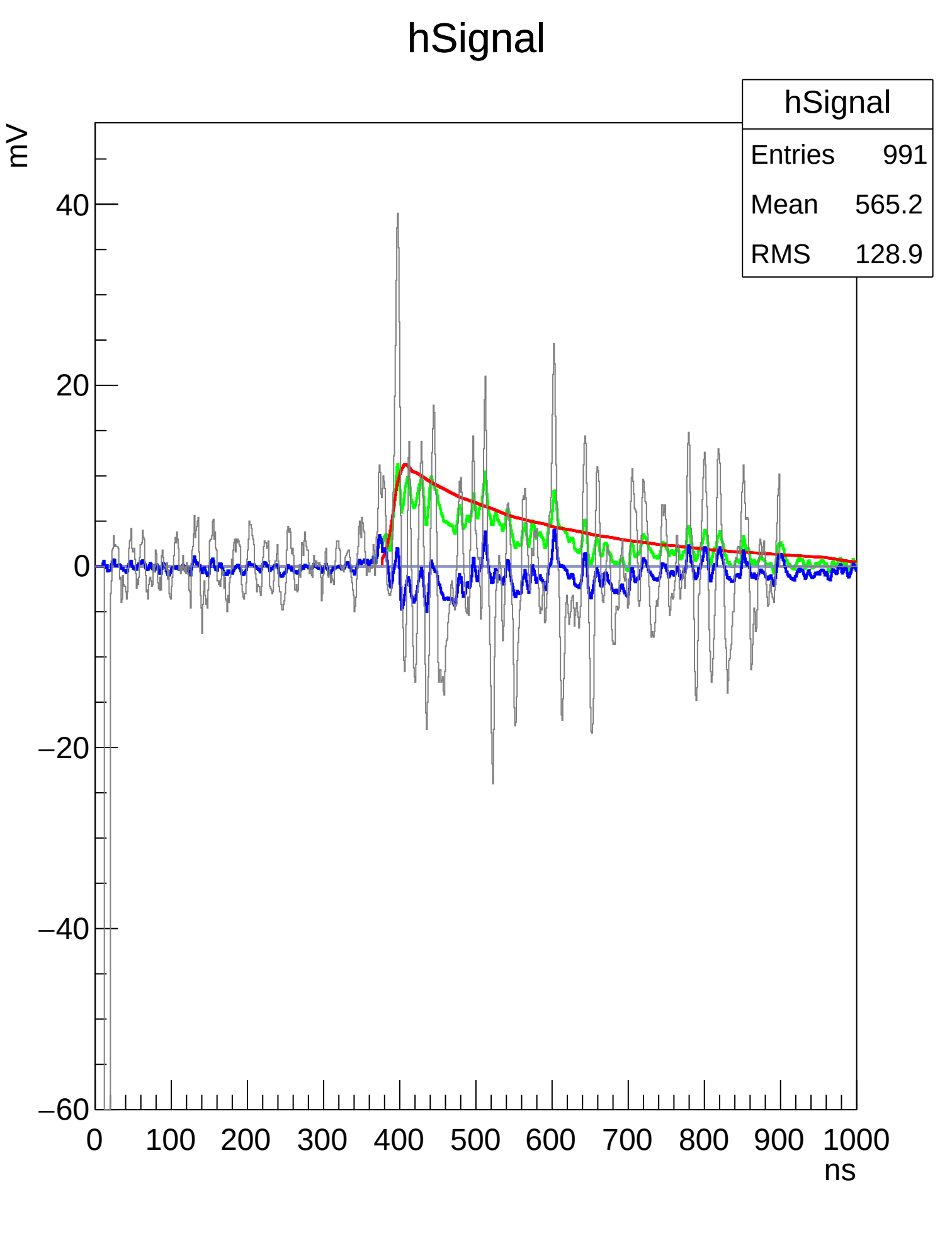

hSignal
hSignal
Entries 991
Mean 523
RMS 131
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.4
RMS 149.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 637.1
RMS 211.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.3
RMS 147.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.8
RMS 156.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.2
RMS 128.9
mV
40
20
0
−20
−40
−60
0
100
200
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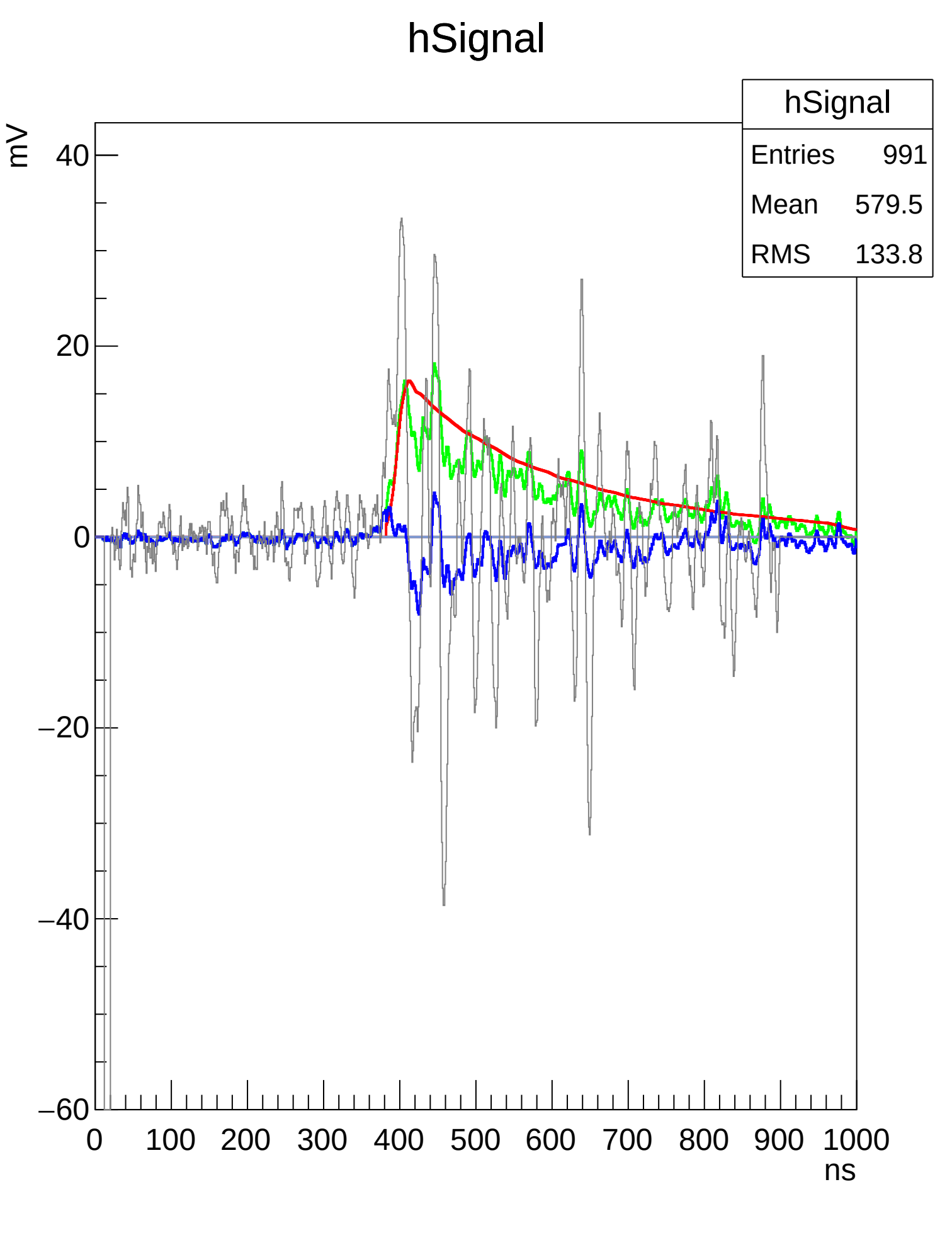
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.5
RMS 133.8
mV
40
20
0
−20
−40
−60
0
100
200
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400
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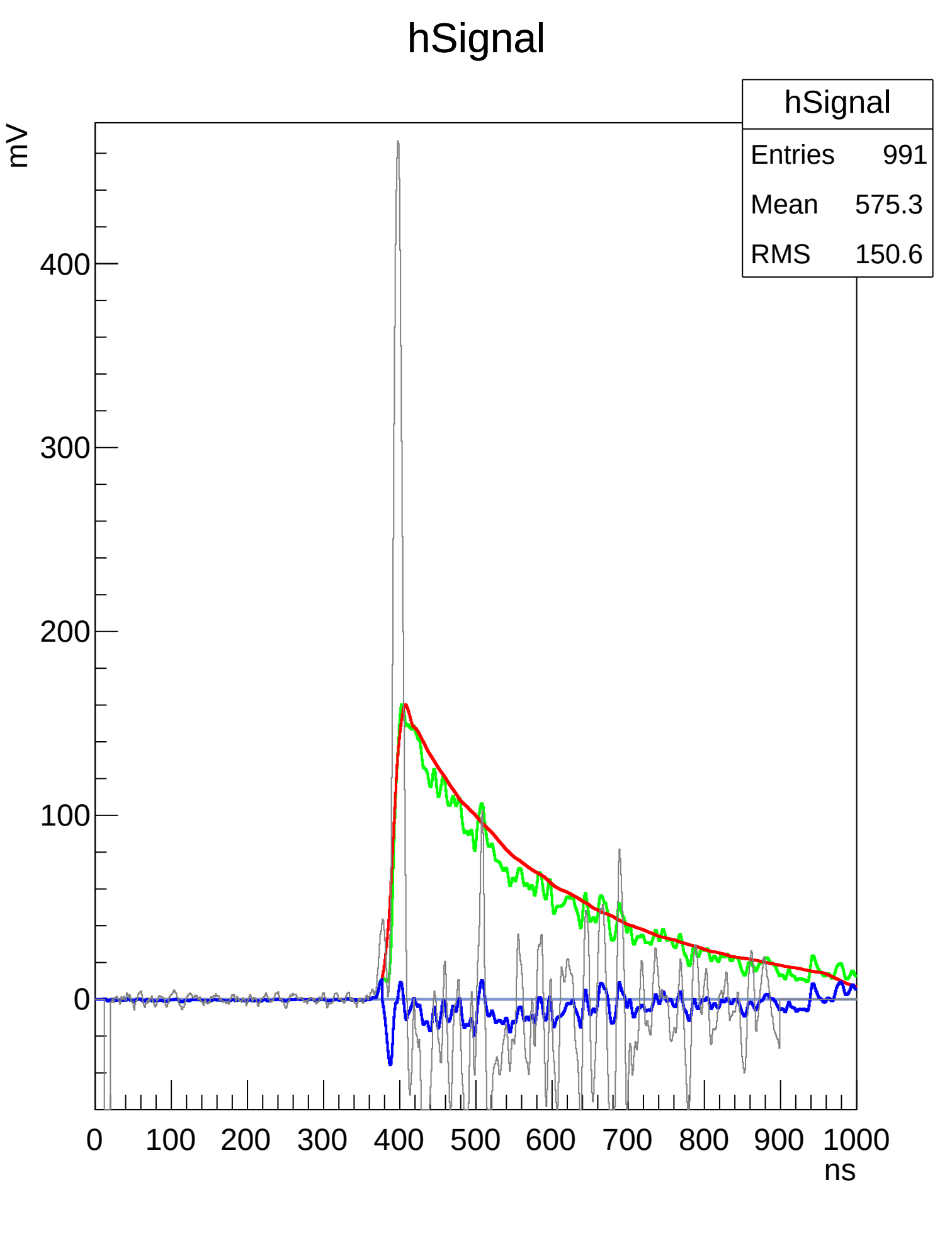
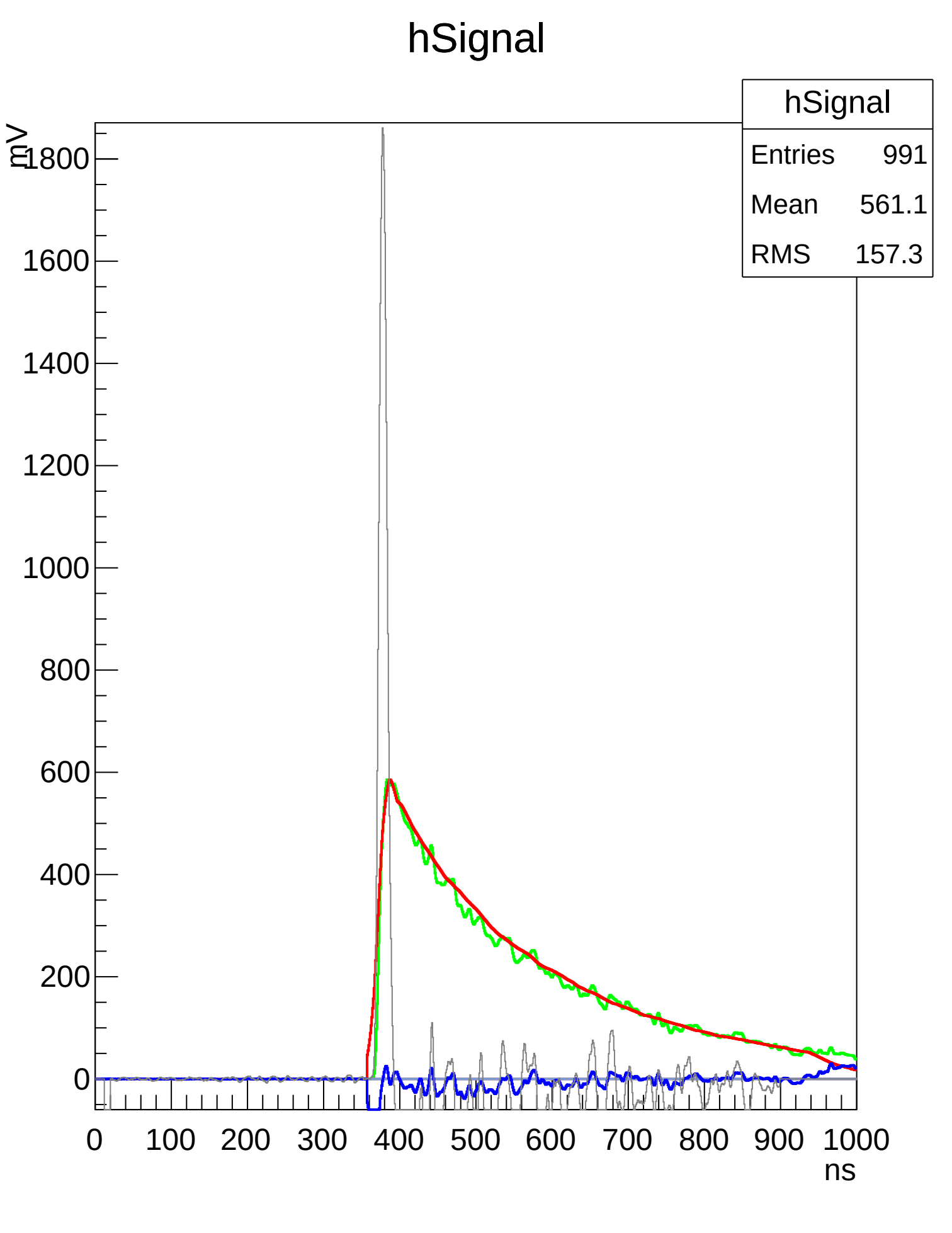
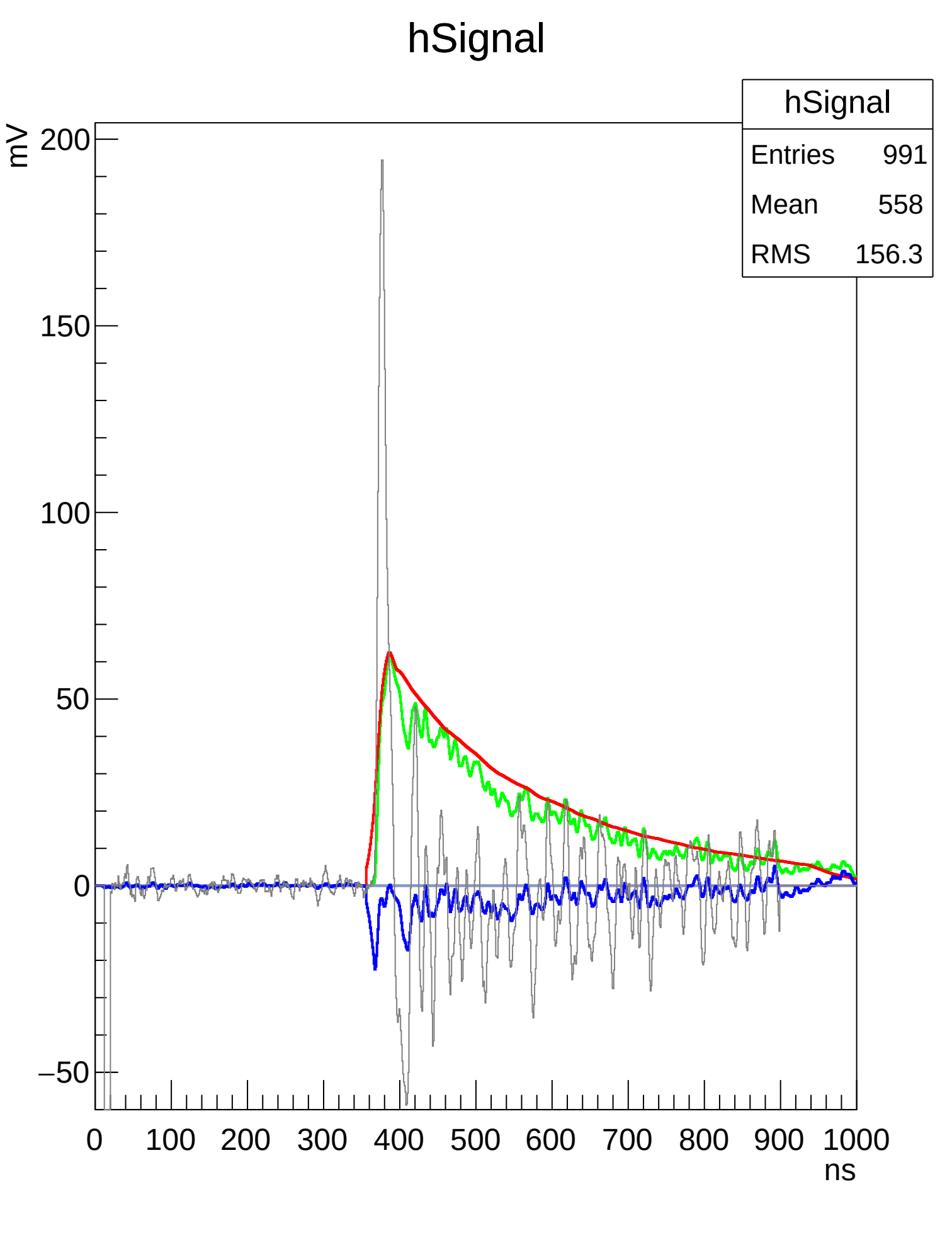
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.3
RMS 150.6
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.1
RMS 157.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 156.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
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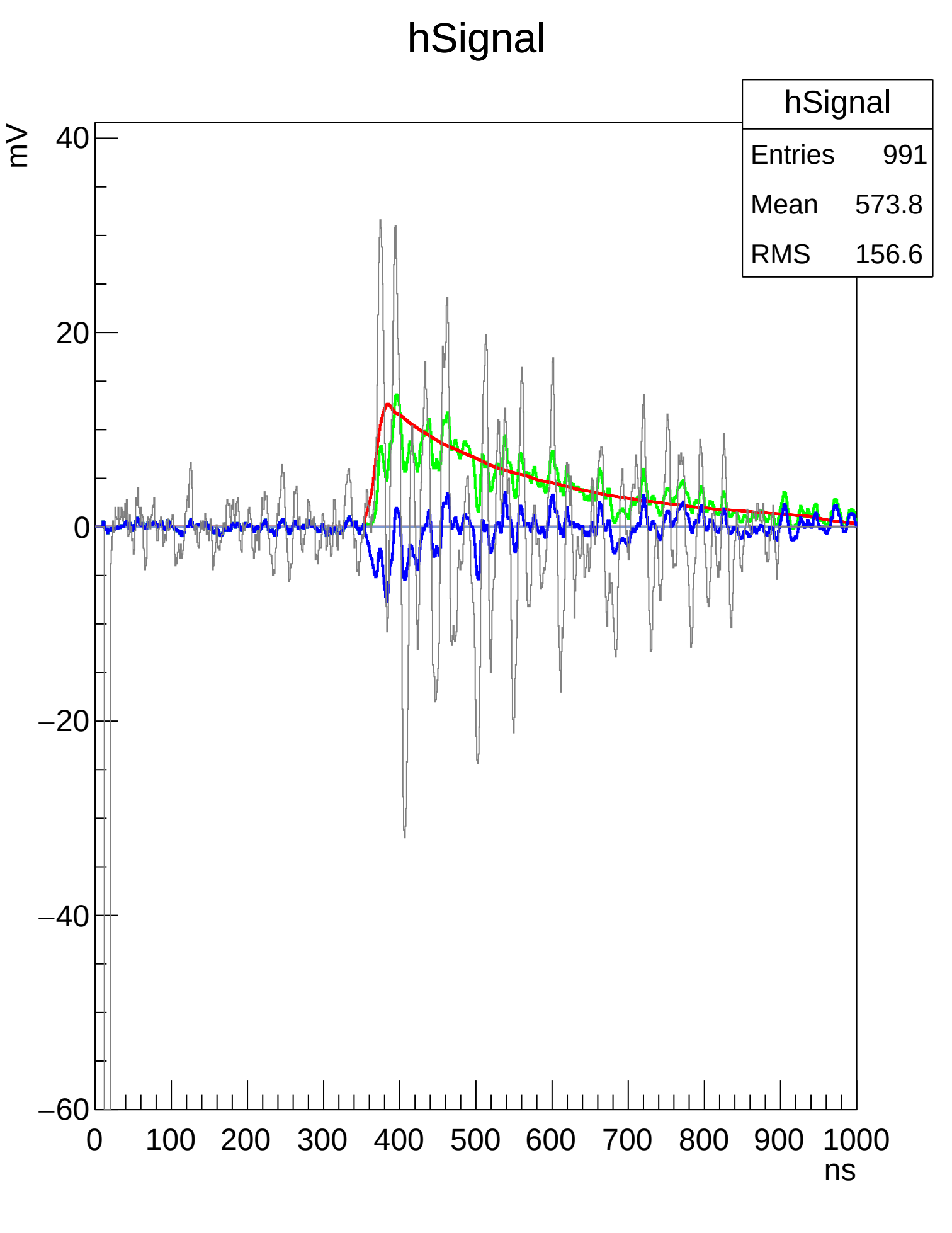
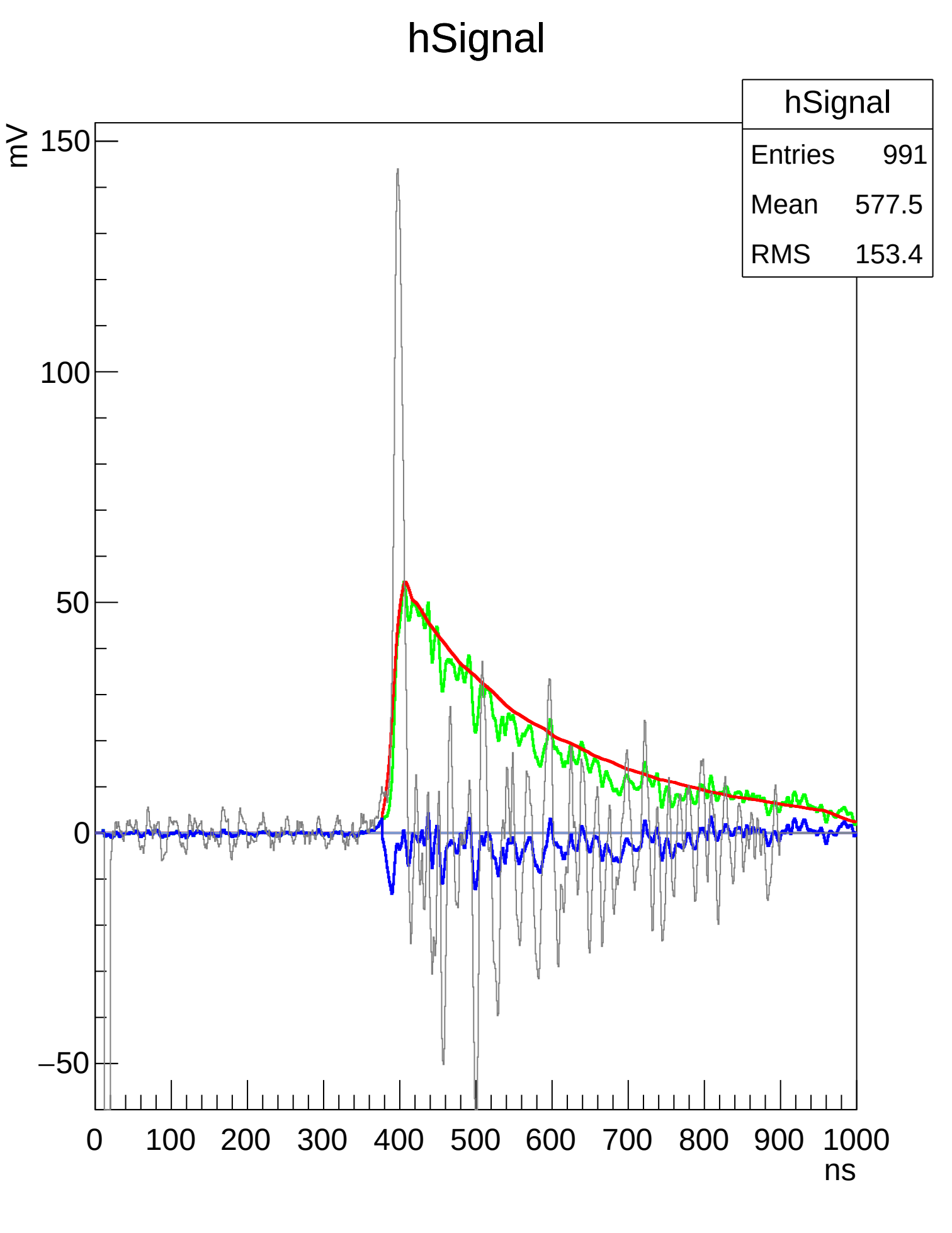
1000
ns


hSignal
hSignal
Entries 991
Mean 573.8
RMS 156.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.5
RMS 153.4
mV
150
100
50
0
−50
0
100
200
300
400
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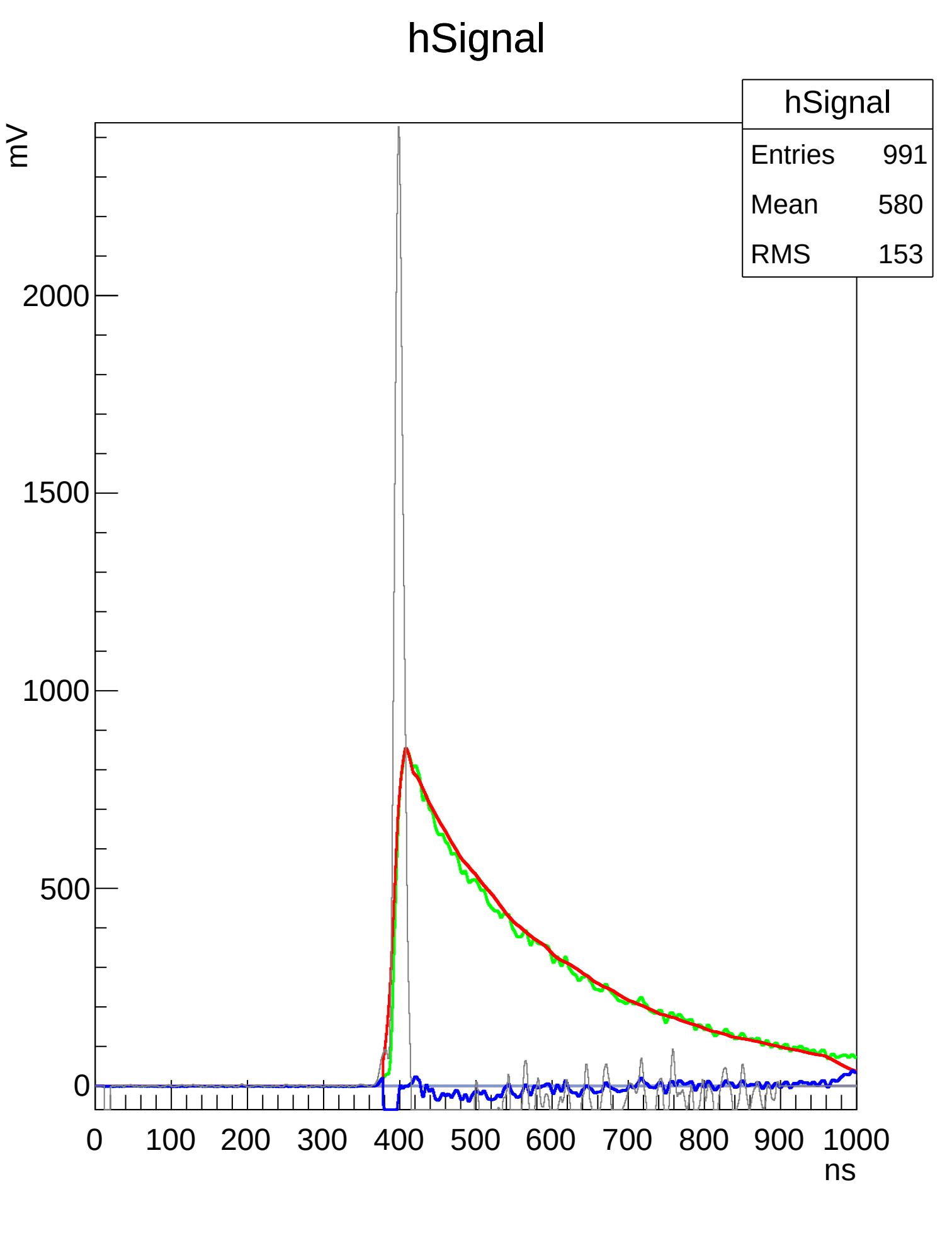
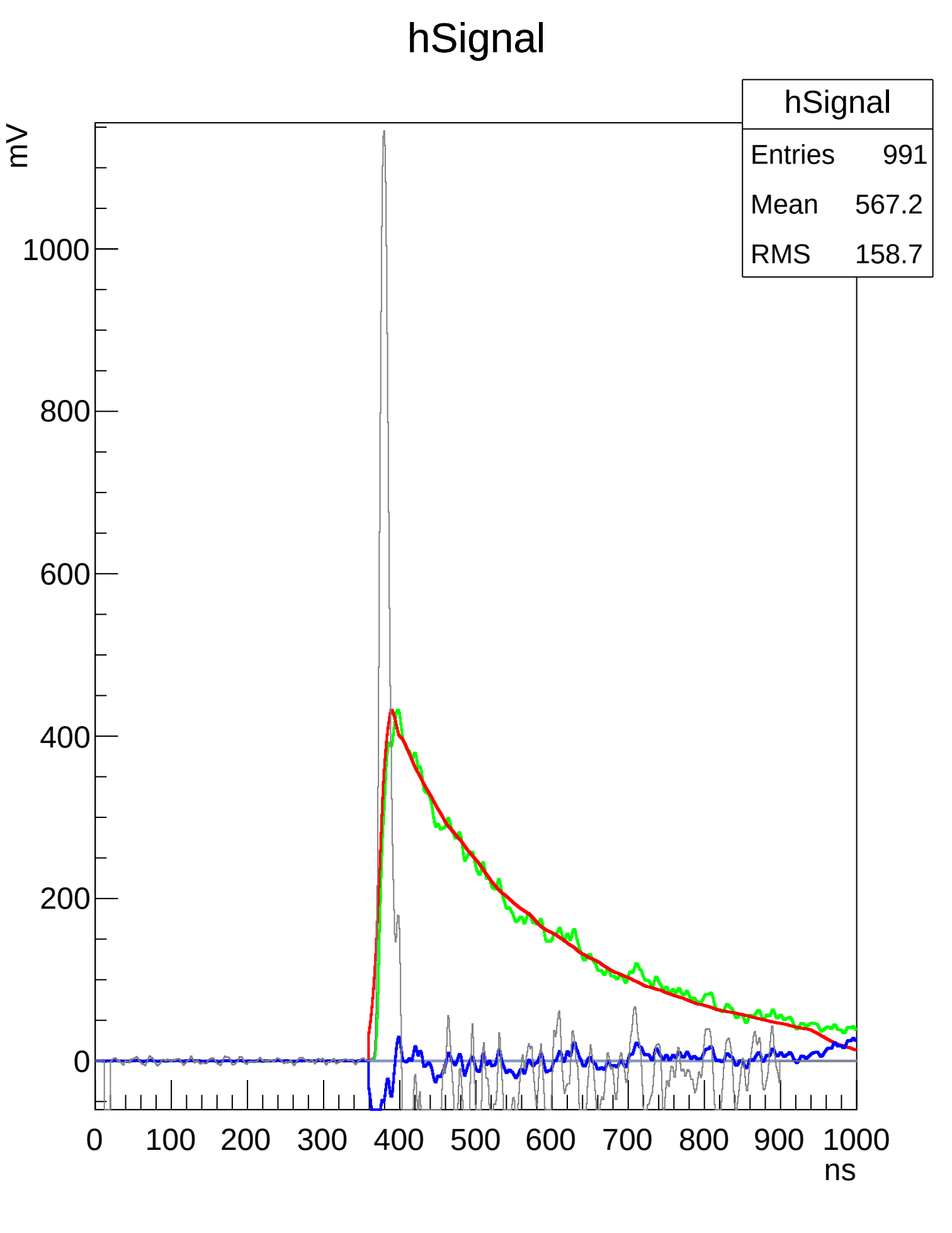
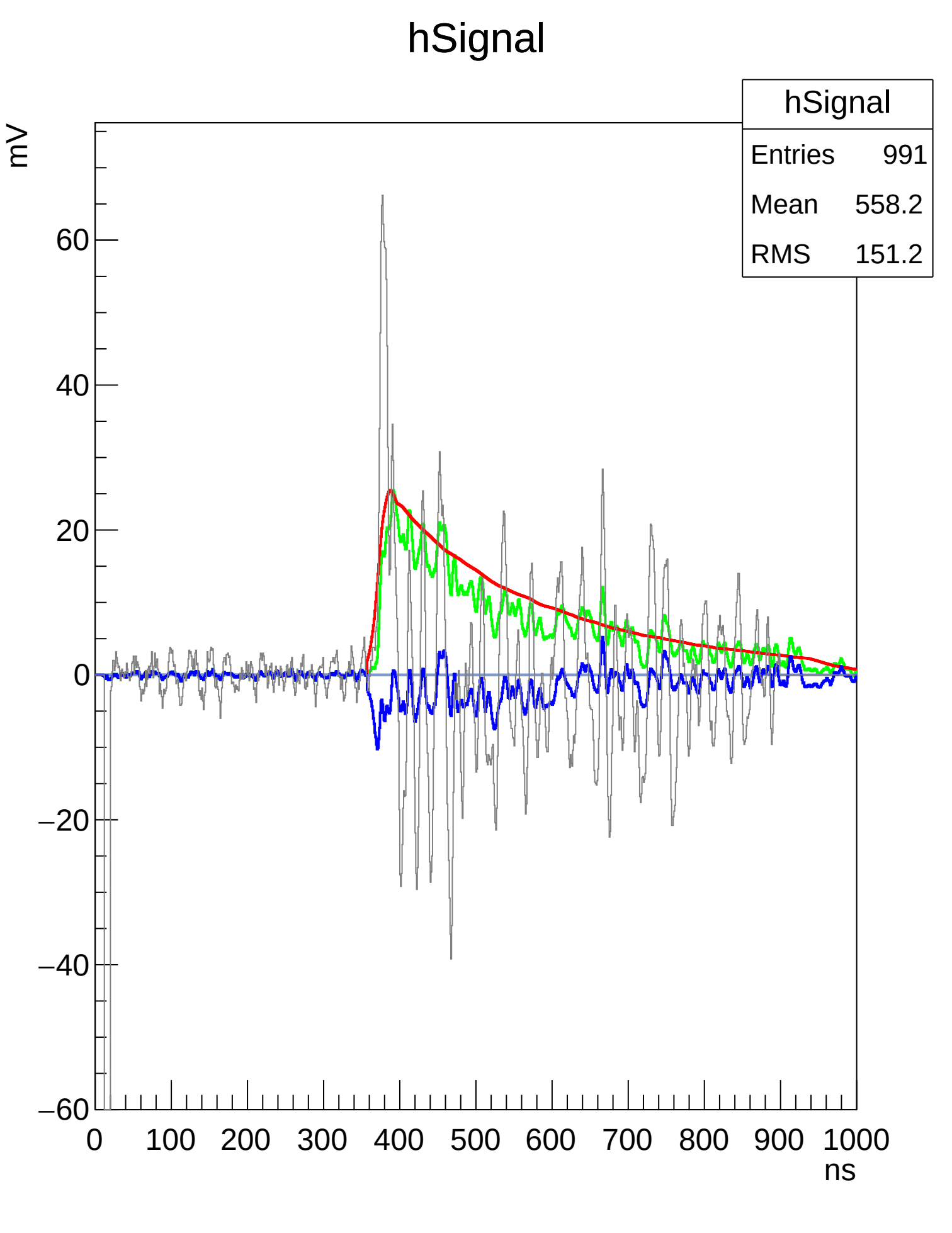
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580
RMS 153
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 567.2
RMS 158.7
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 558.2
RMS 151.2
mV
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40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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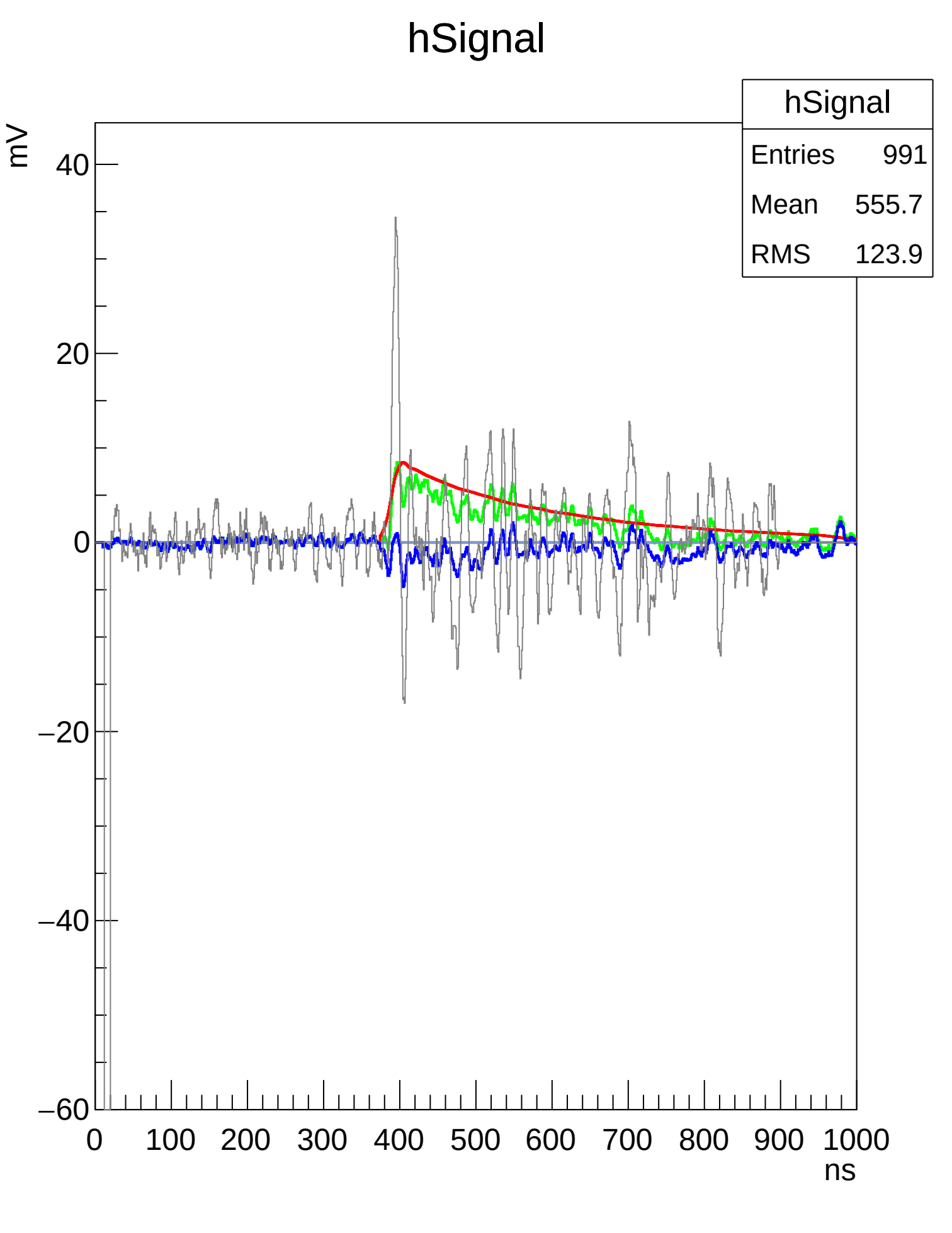
1000
ns


hSignal
hSignal
Entries 991
Mean 555.7
RMS 123.9
mV
40
20
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−20
−40
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0
100
200
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600
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800
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1000
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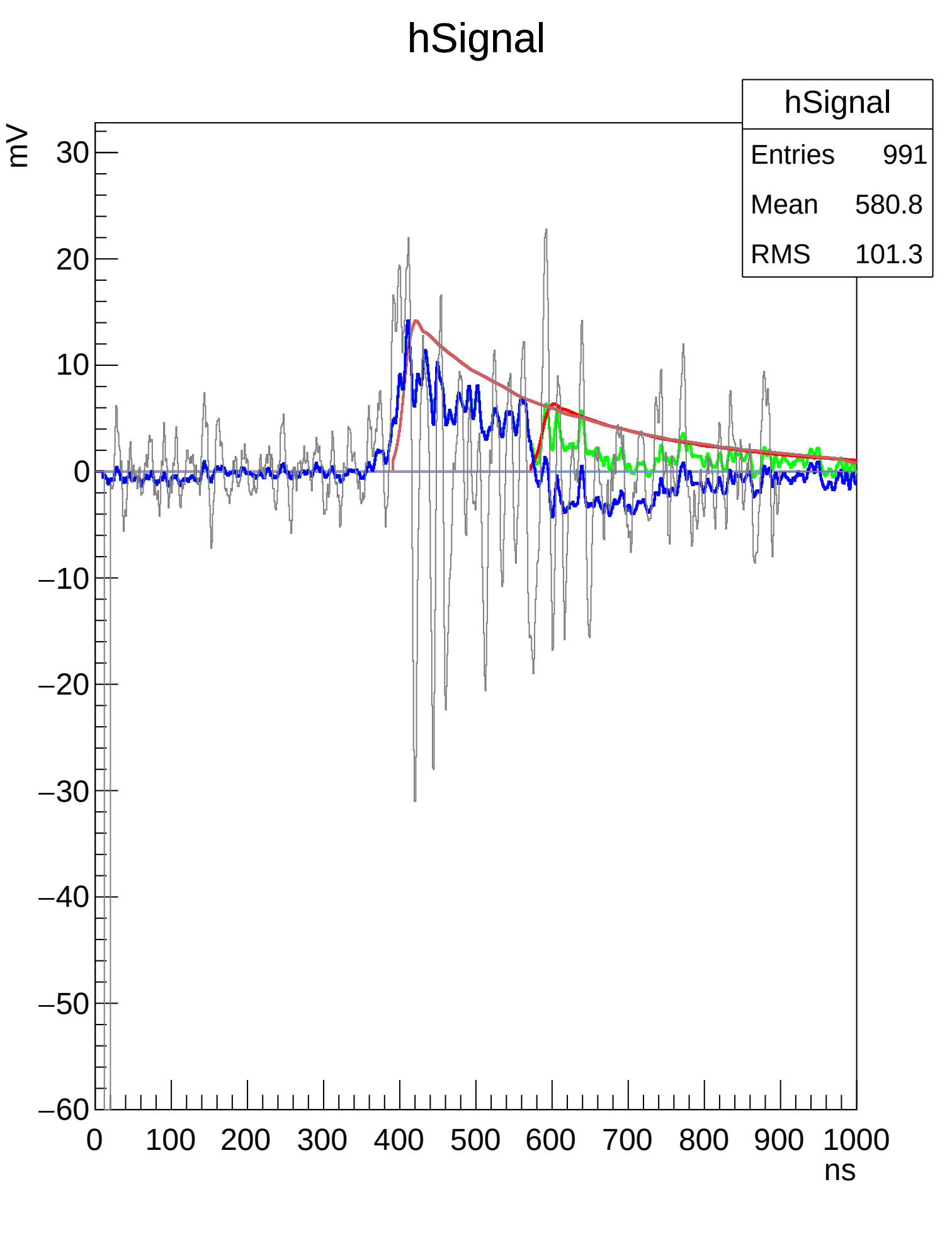
hSignal
hSignal
Entries 991
Mean 580.8
RMS 101.3
mV
30
20
10
0
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−50
−60
0
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200
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400
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800
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1000
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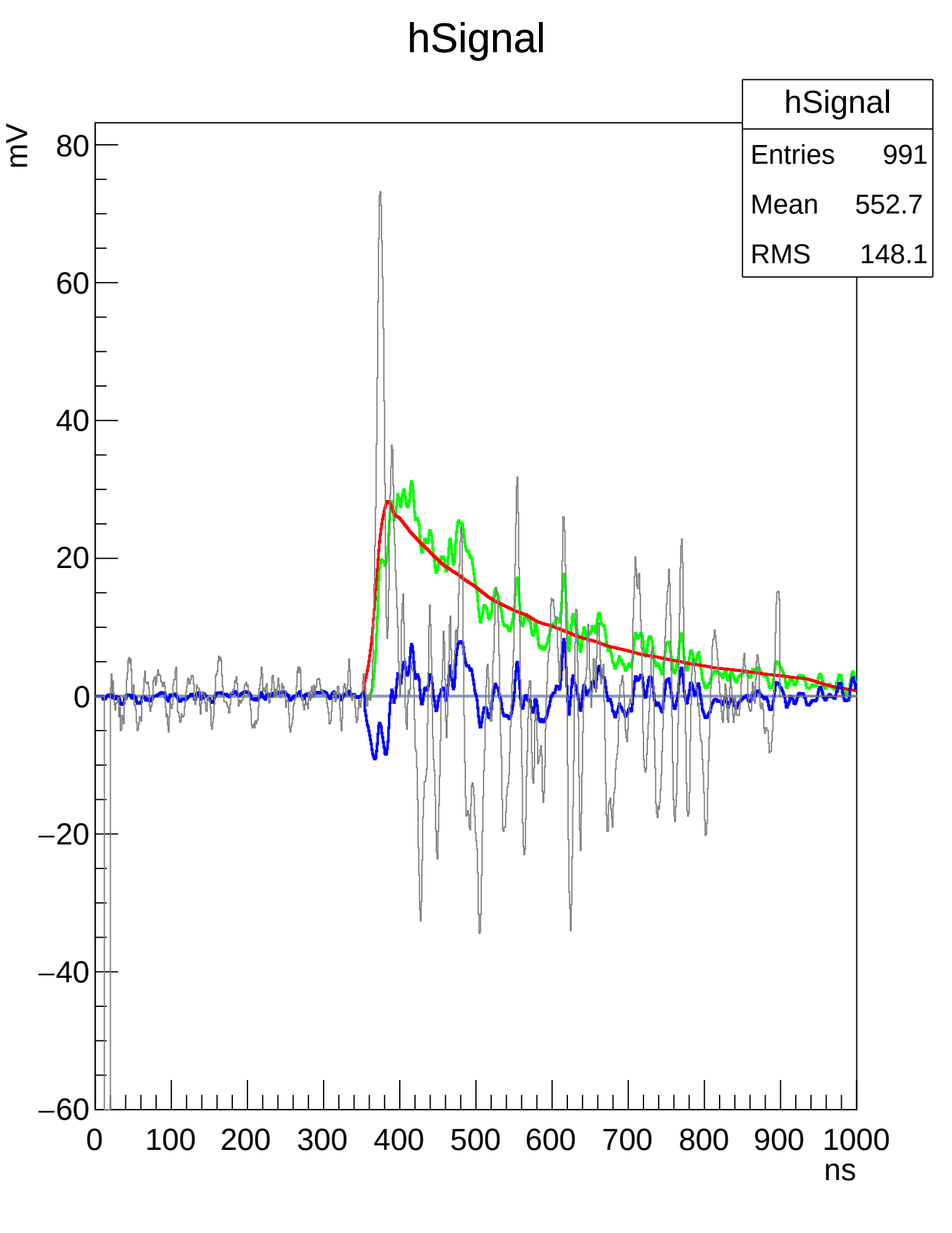
hSignal
hSignal
Entries 991
Mean 552.7
RMS 148.1
mV
80
60
40
20
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−20
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0
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200
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400
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800
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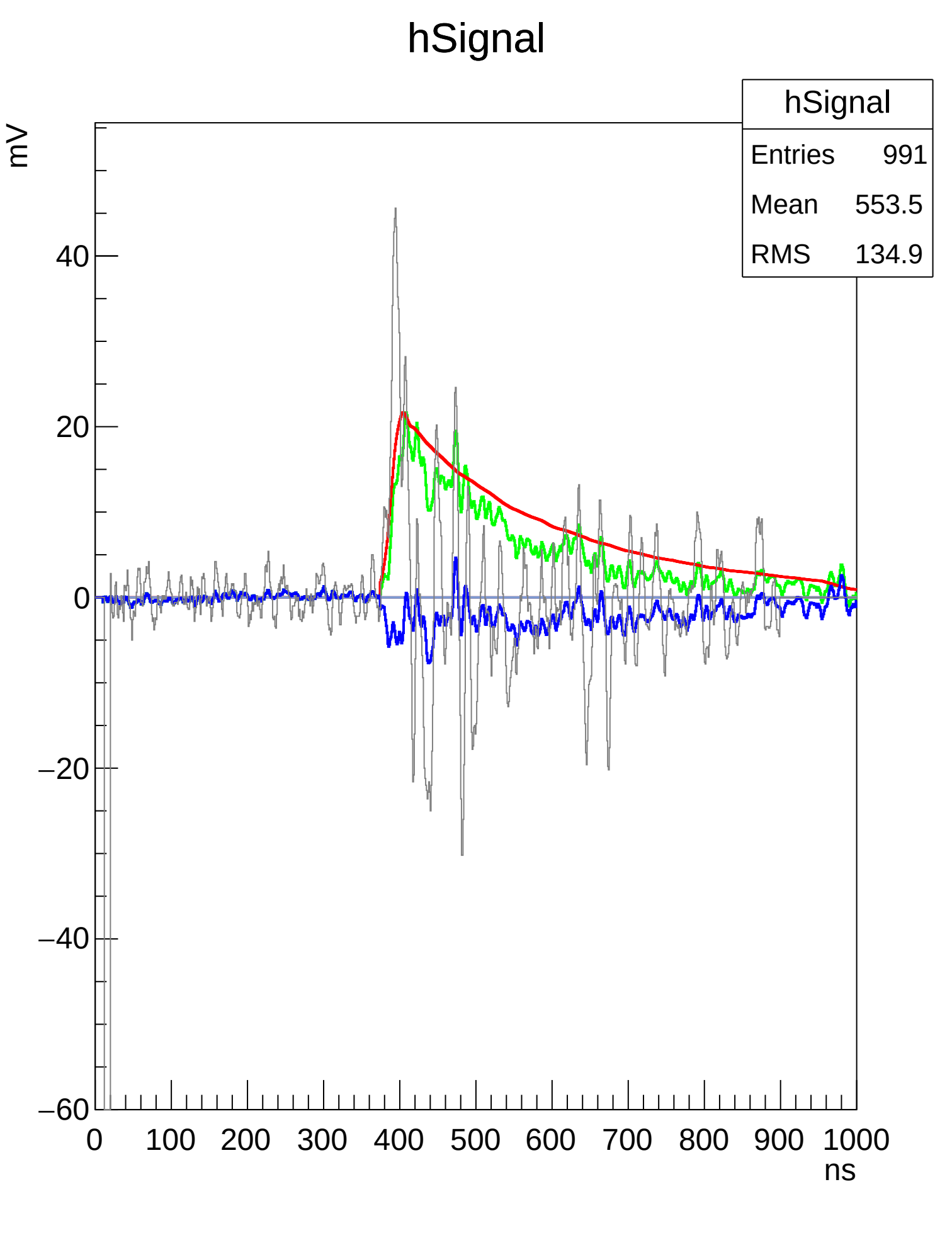
1000
ns


hSignal
hSignal
Entries 991
Mean 553.5
RMS 134.9
mV
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20
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−20
−40
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0
100
200
300
400
500
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700
800
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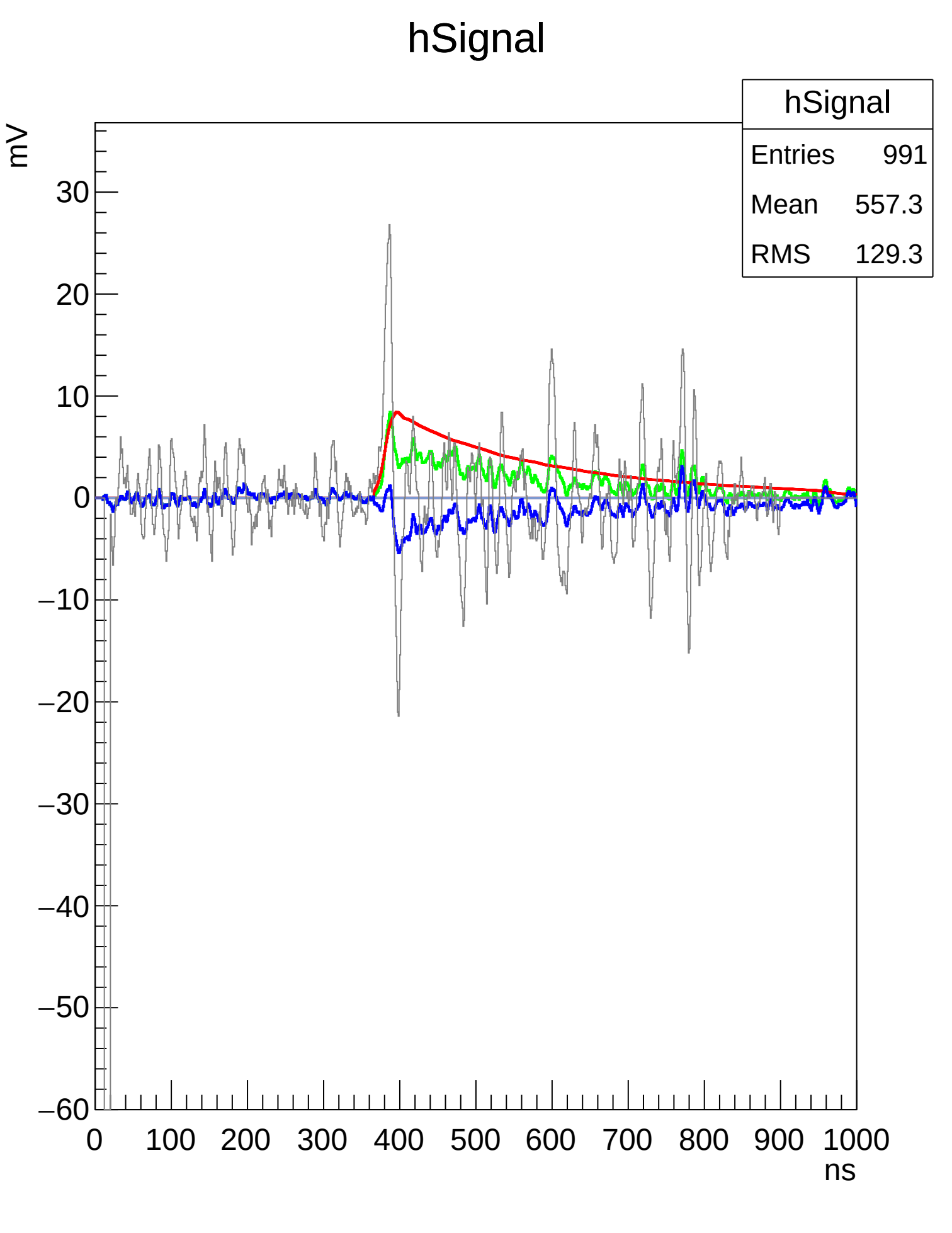
1000
ns


hSignal
hSignal
Entries 991
Mean 557.3
RMS 129.3
mV
30
20
10
0
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800
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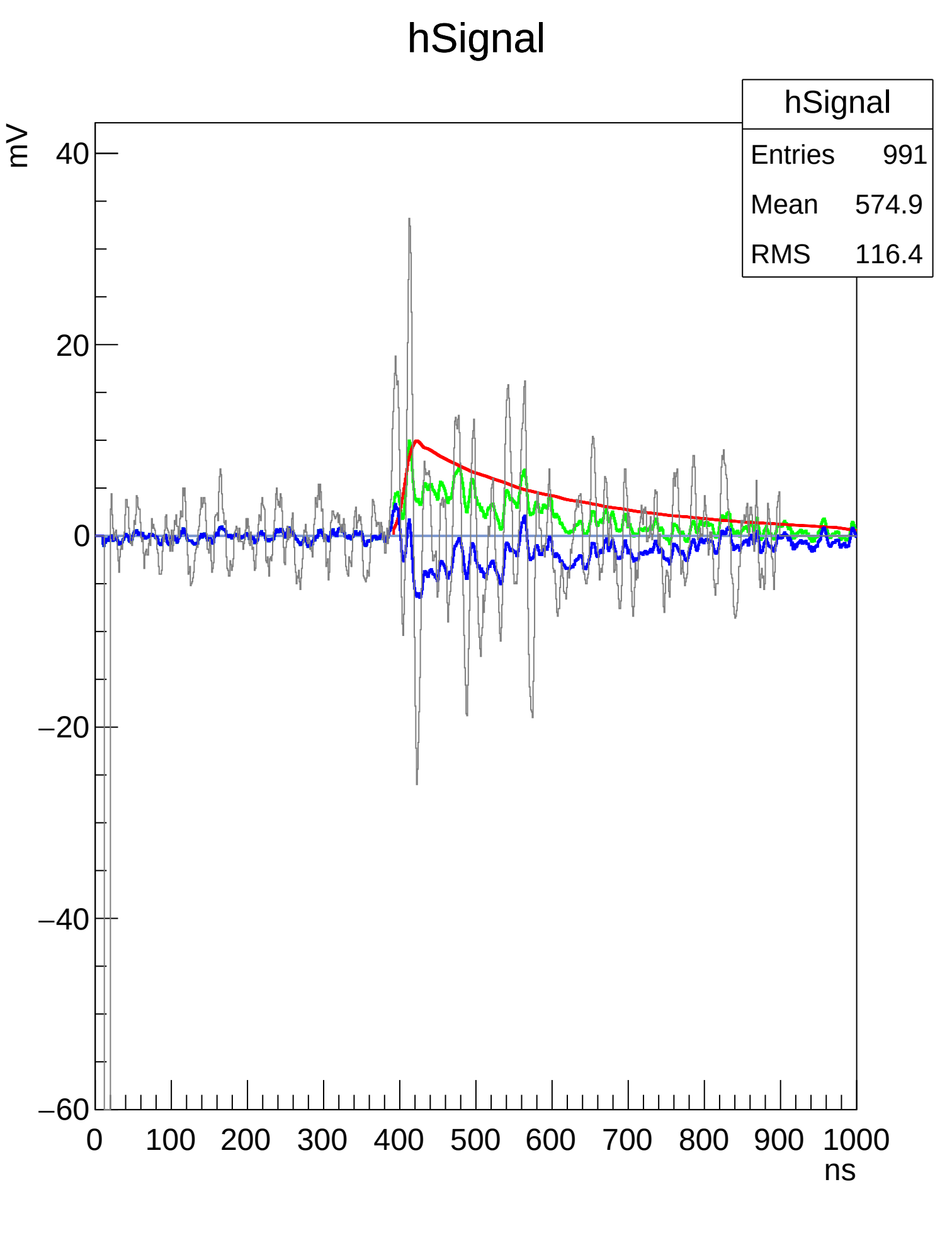
1000
ns


hSignal
hSignal
Entries 991
Mean 574.9
RMS 116.4
mV
40
20
0
−20
−40
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0
100
200
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400
500
600
700
800
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1000
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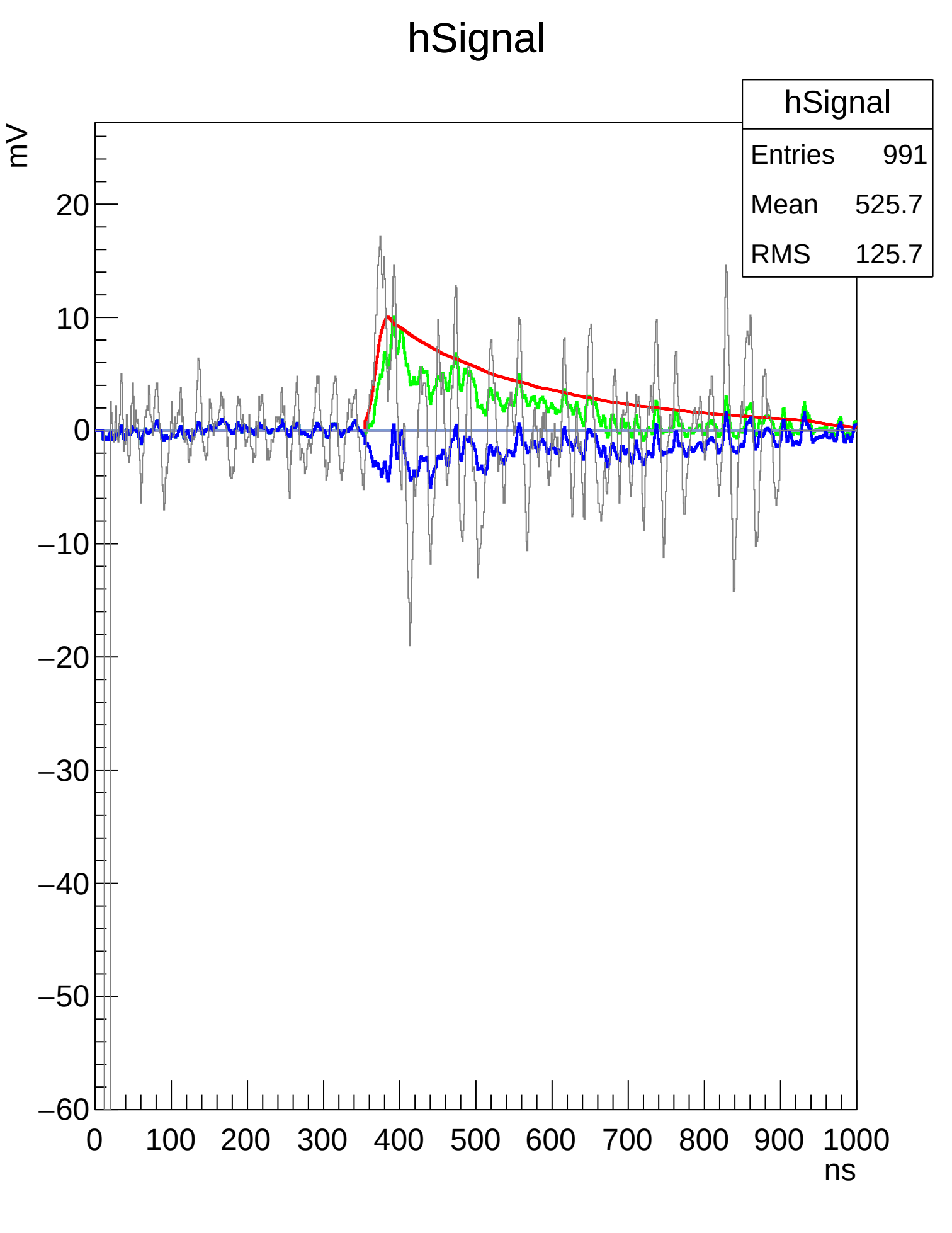
hSignal
hSignal
Entries 991
Mean 525.7
RMS 125.7
mV
20
10
0
−10
−20
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−40
−50
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200
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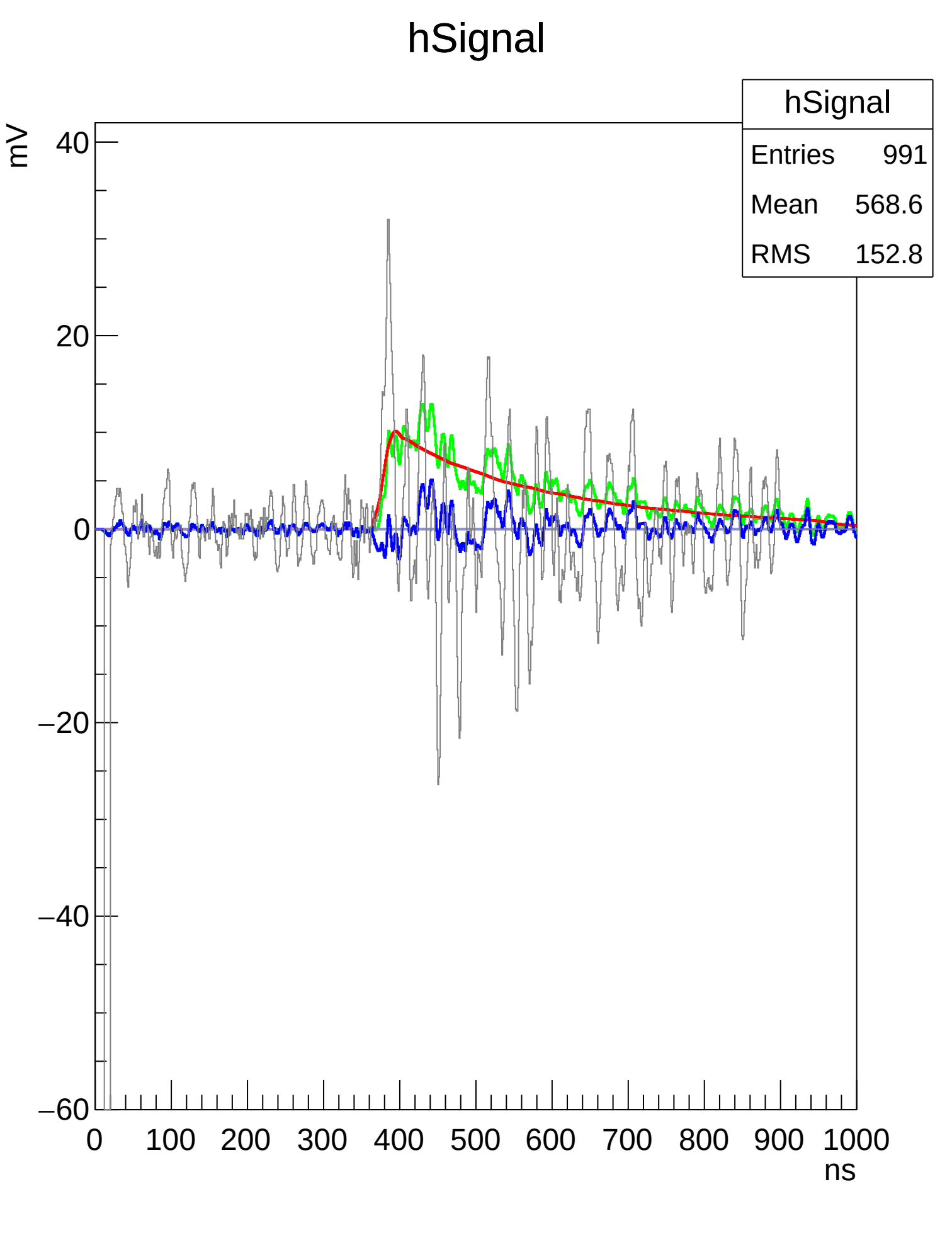
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.6
RMS 152.8
mV
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−20
−40
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0
100
200
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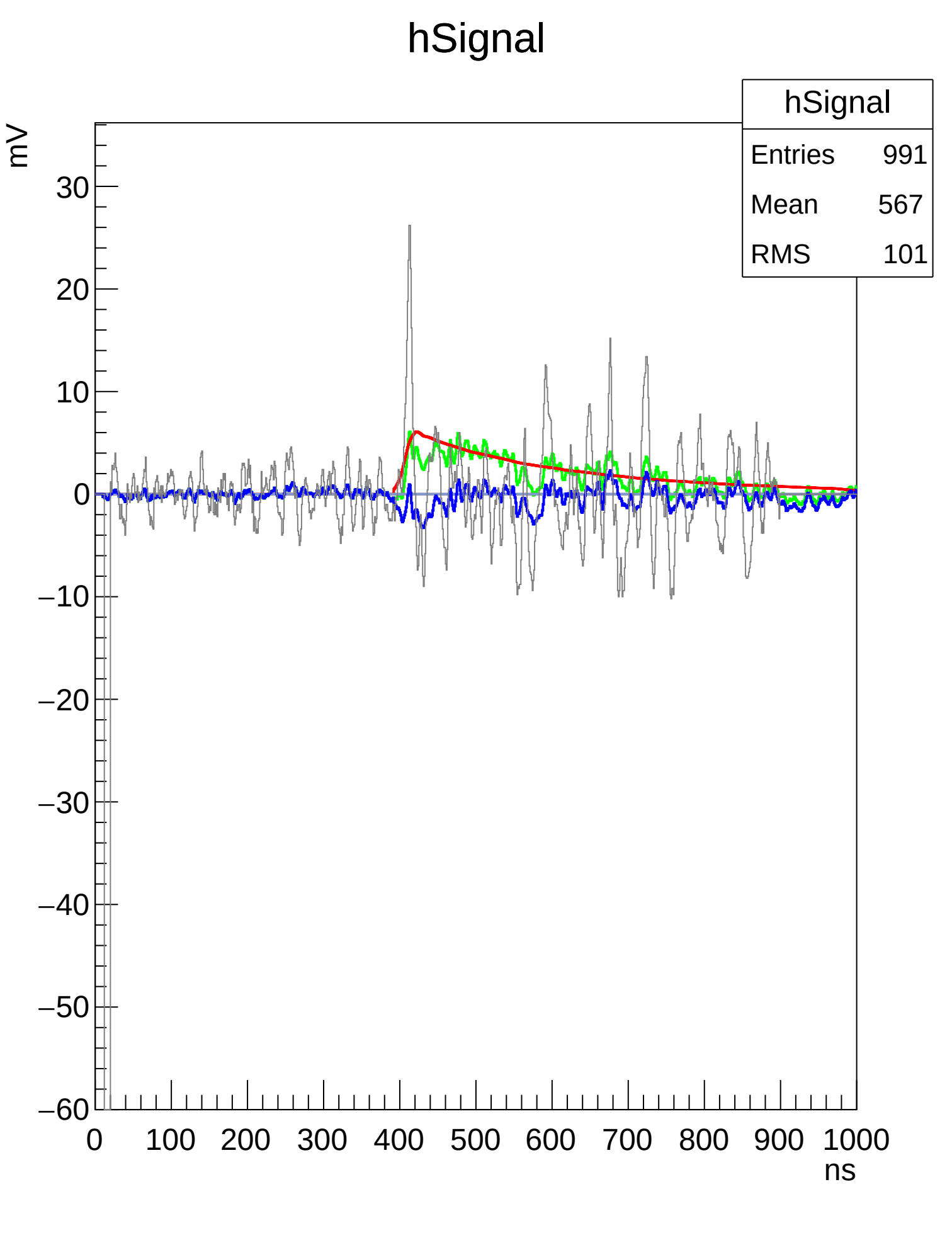
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567
RMS 101
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
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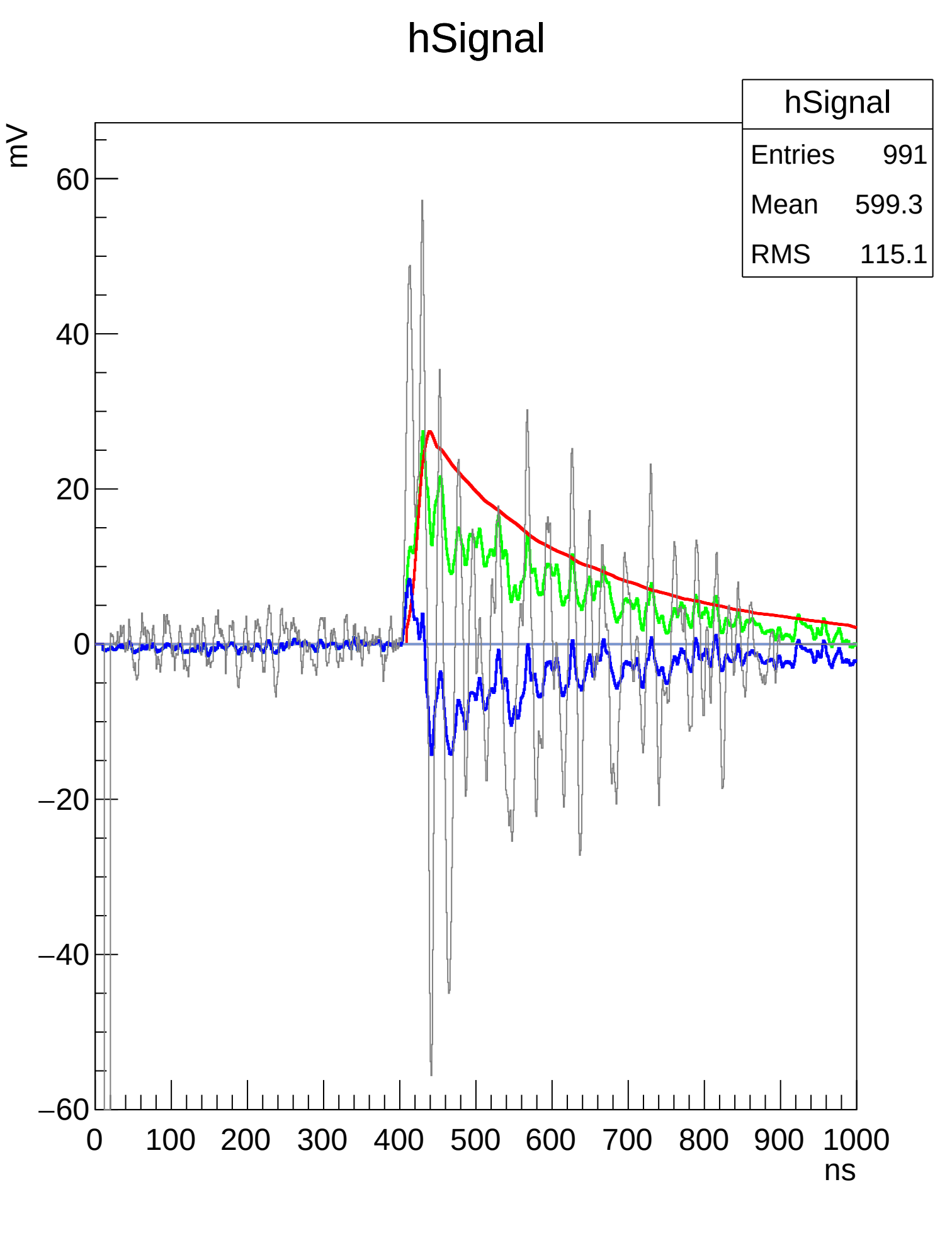
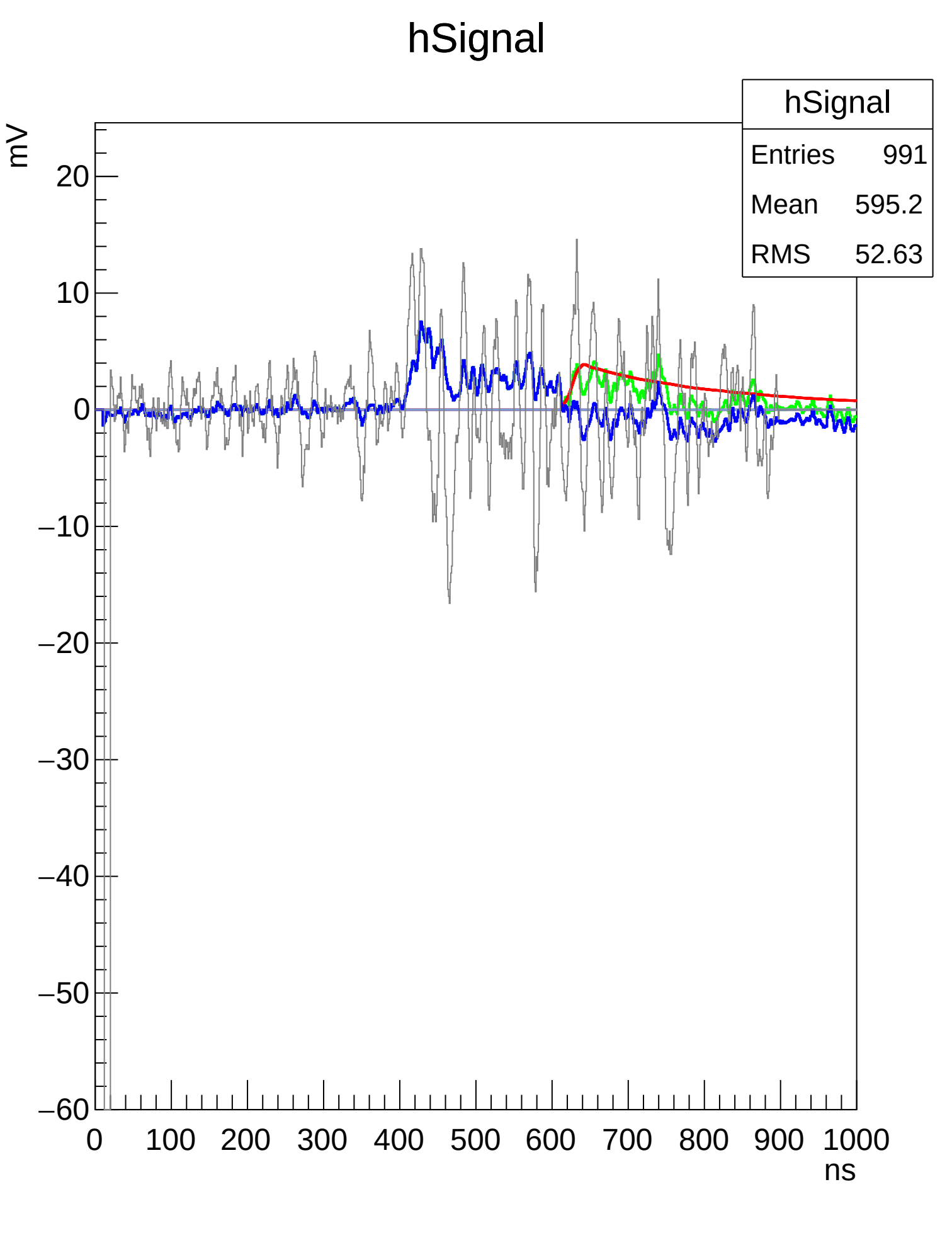
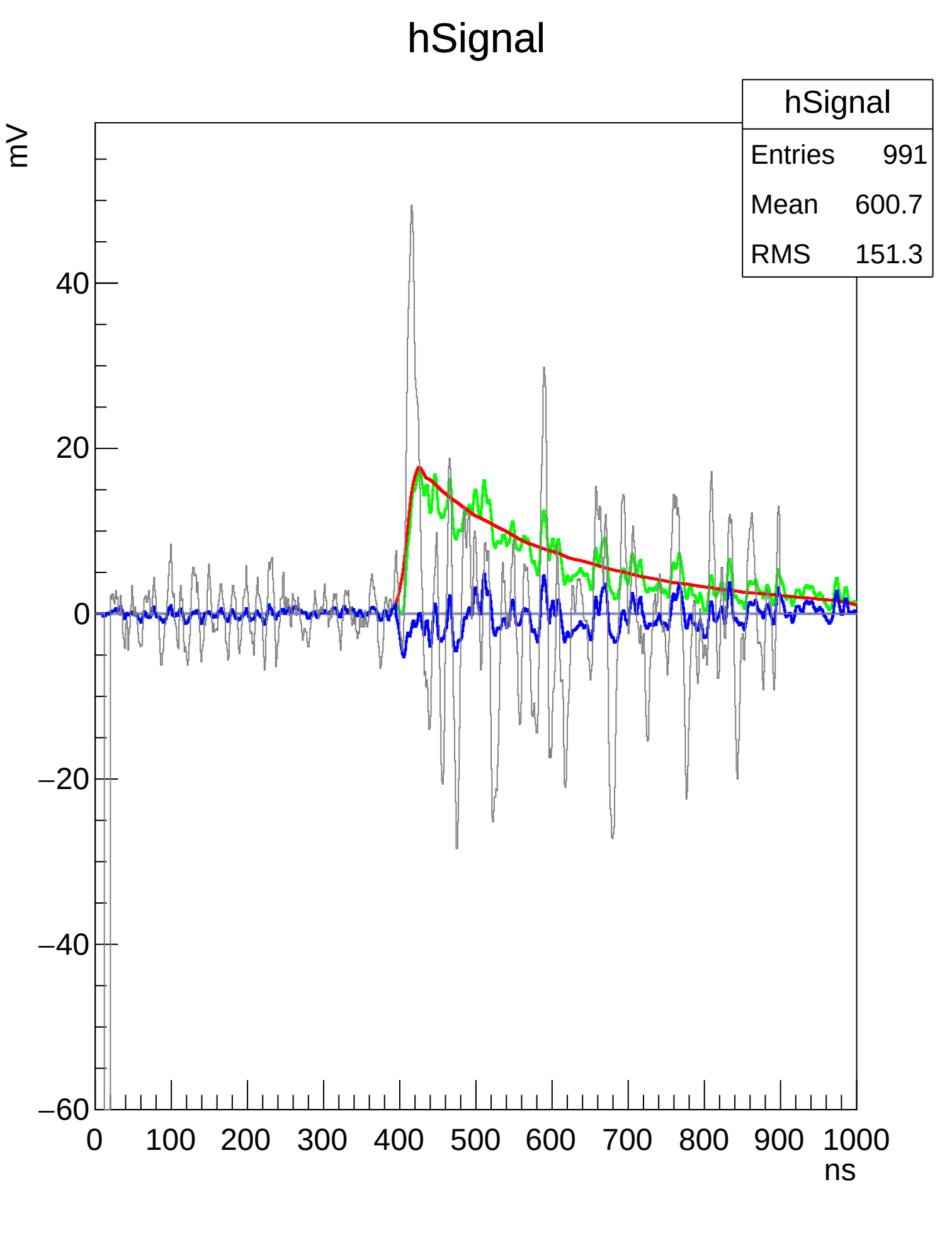
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.3
RMS 115.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.2
RMS 52.63
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 151.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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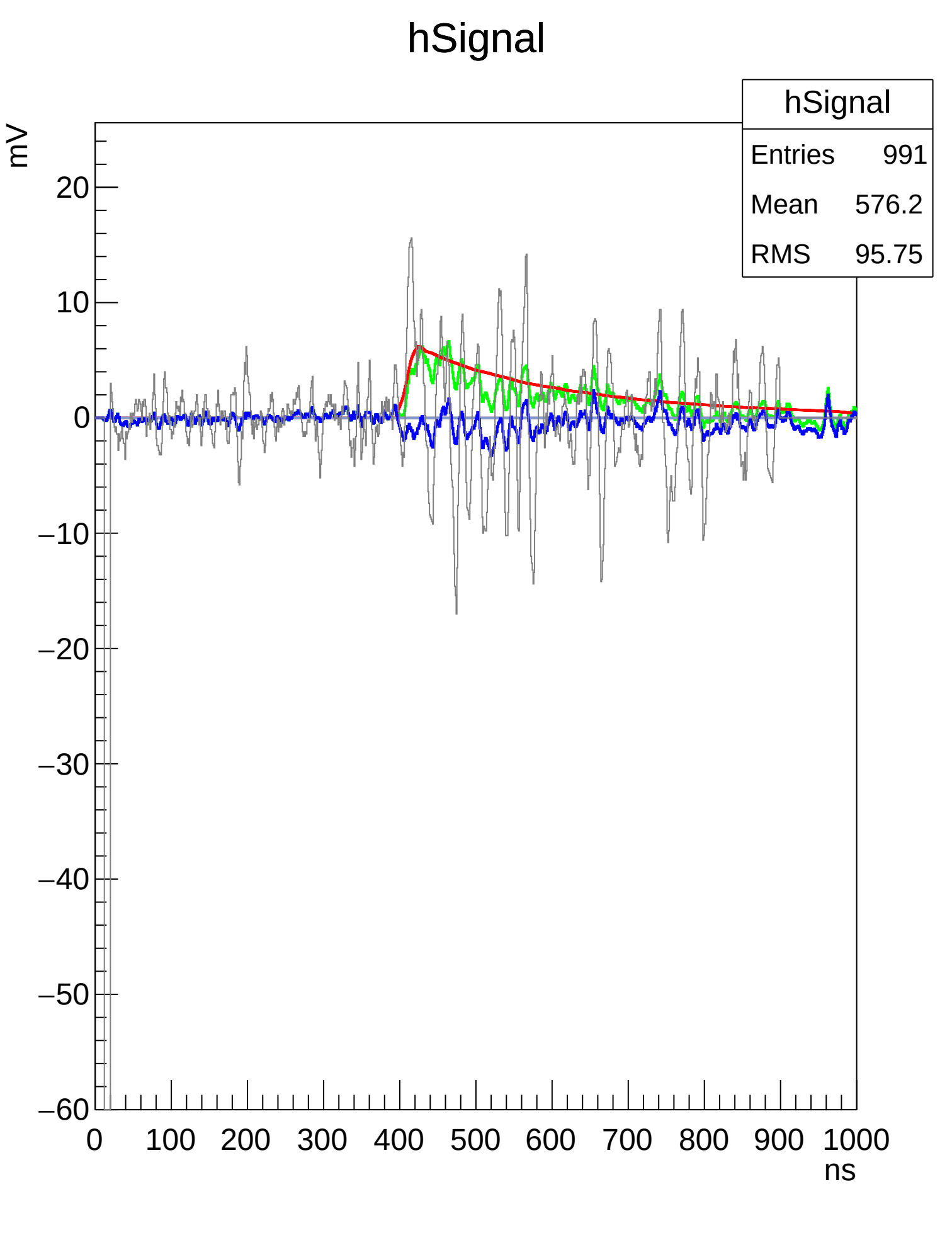
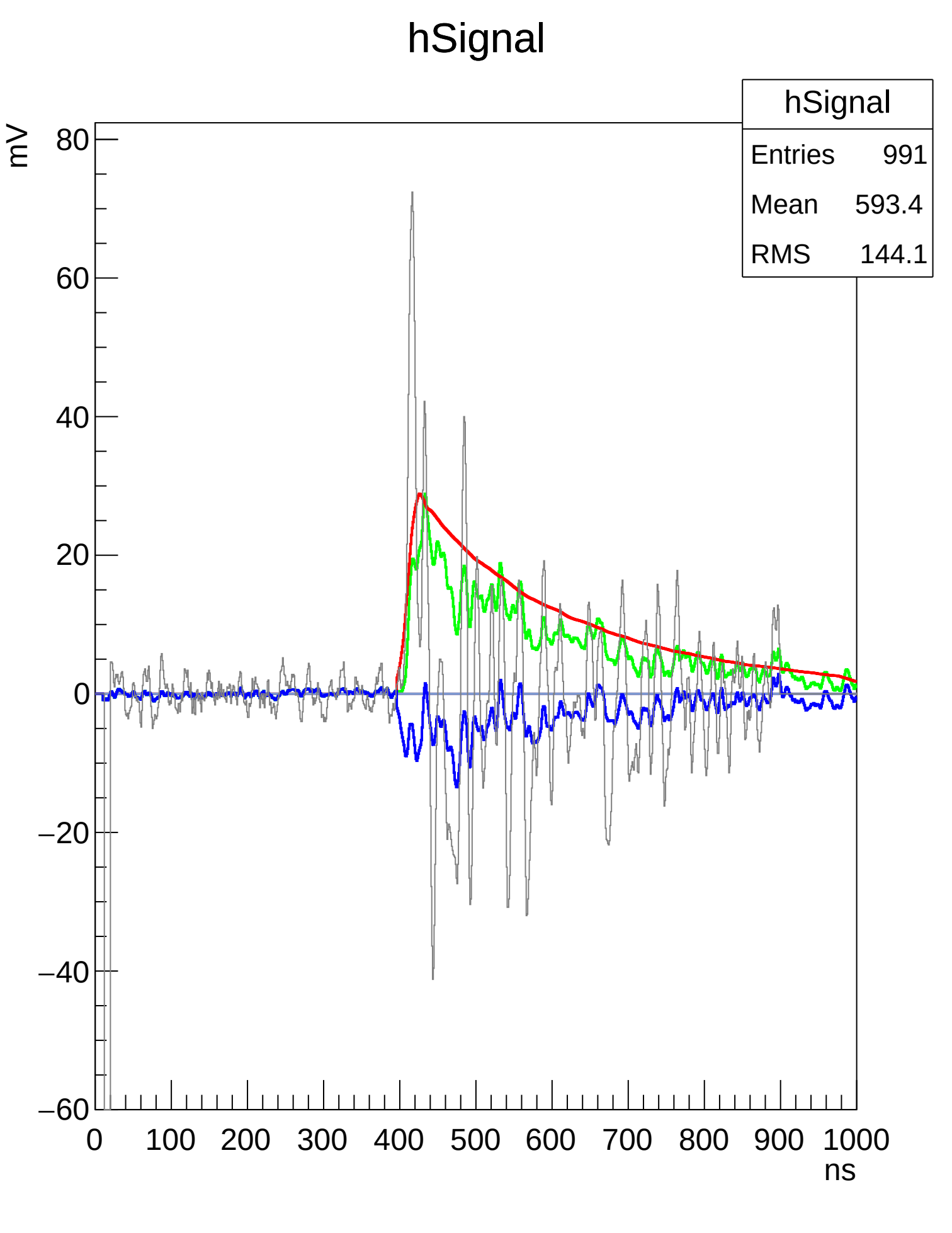
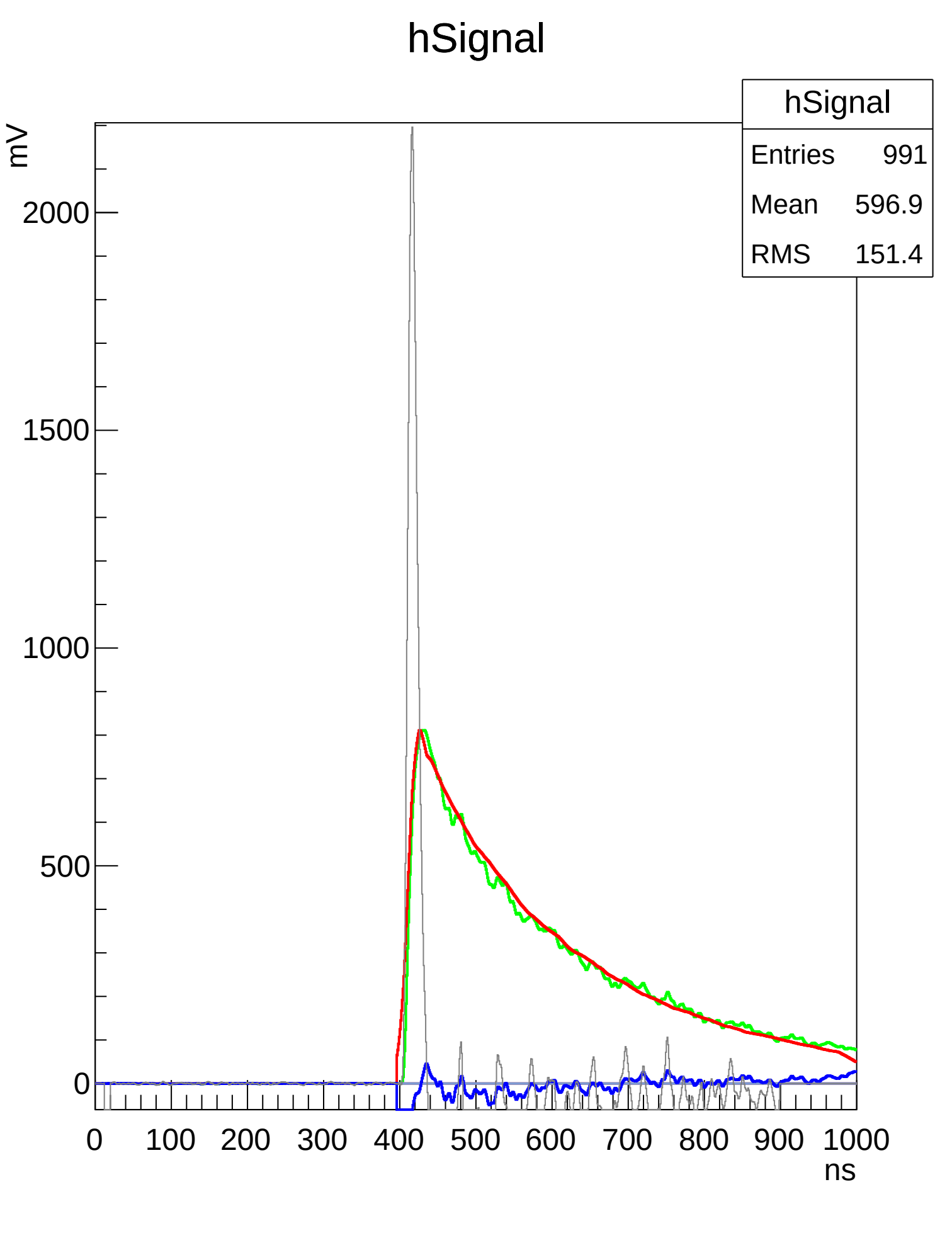
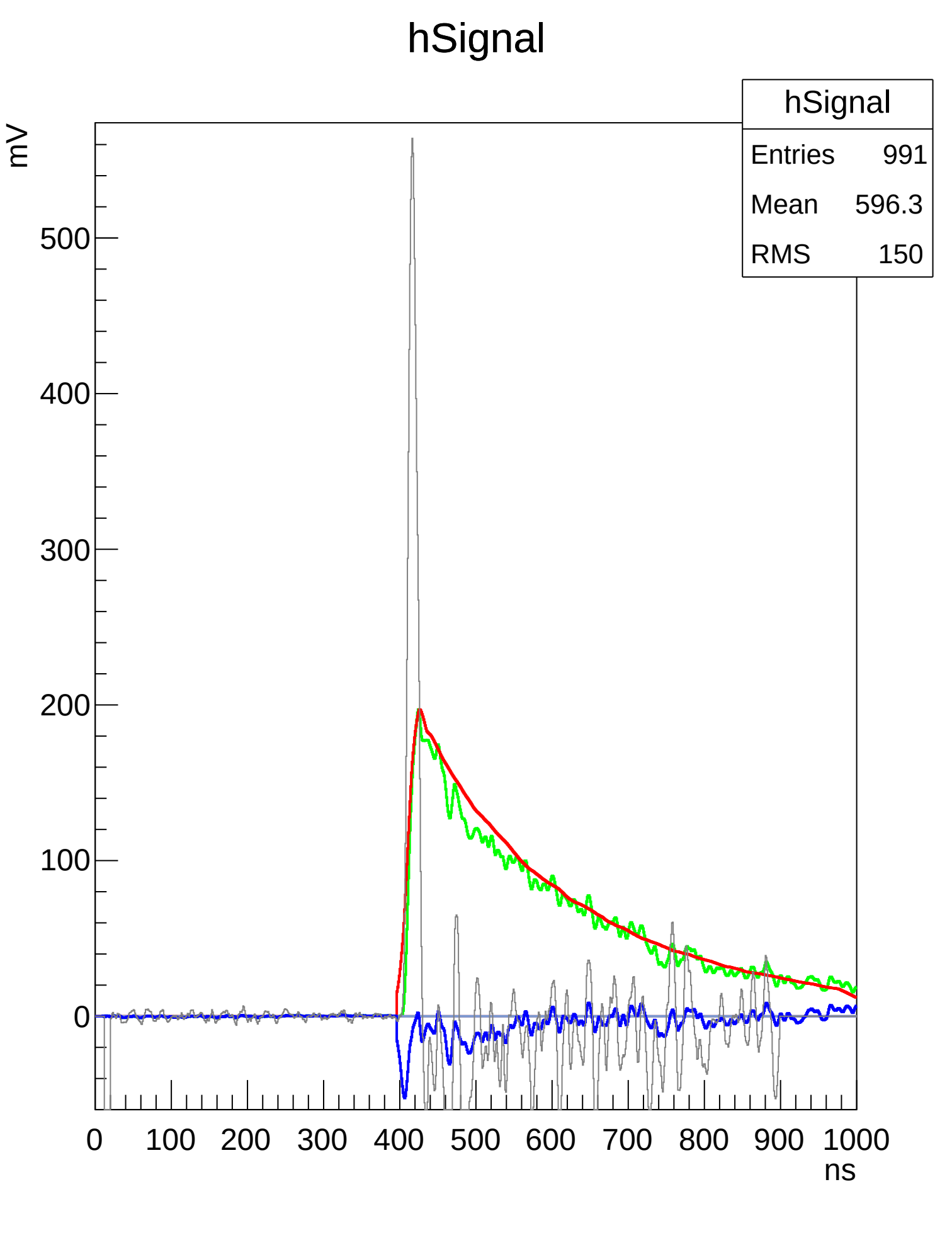
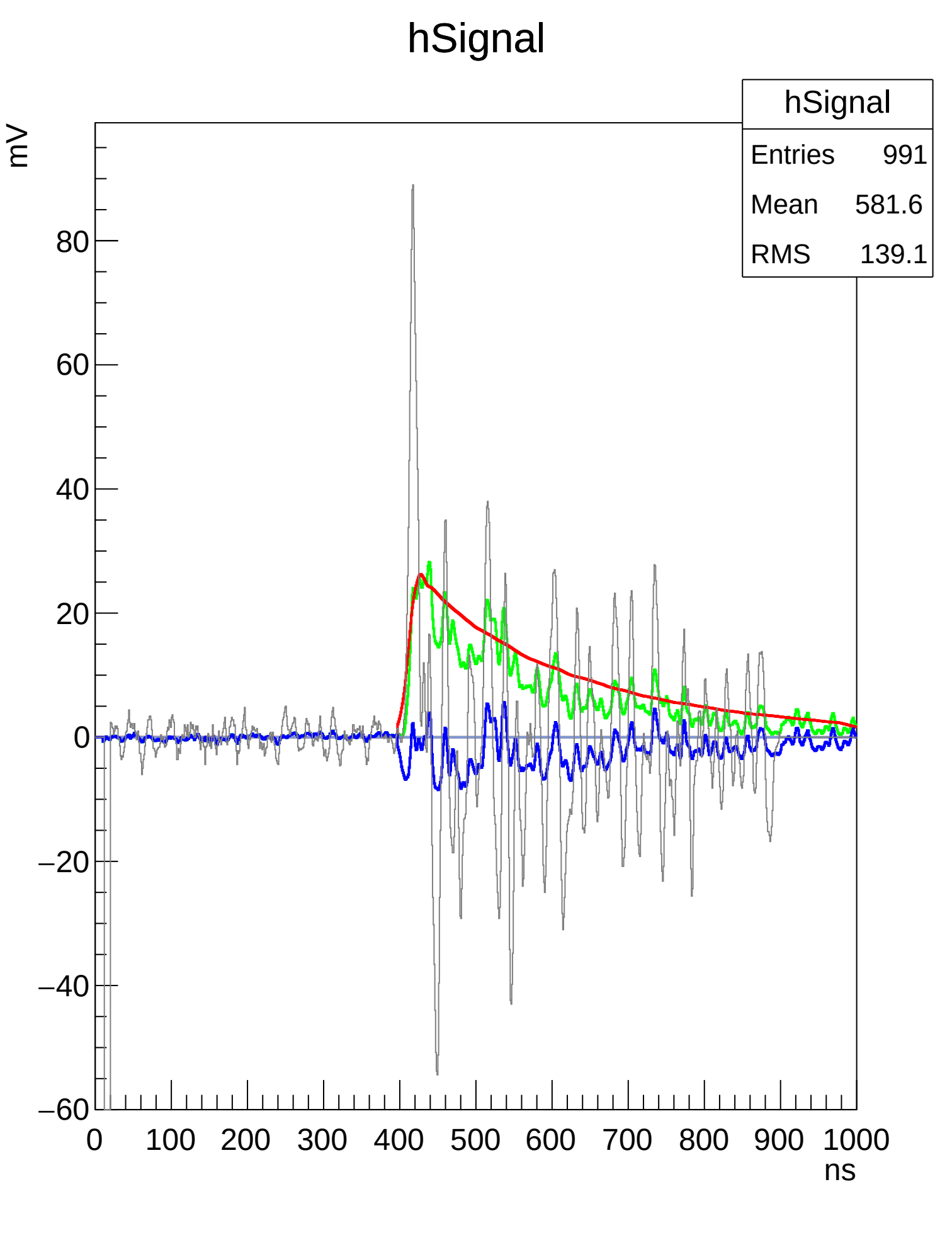
600
700
800
900
1000
ns

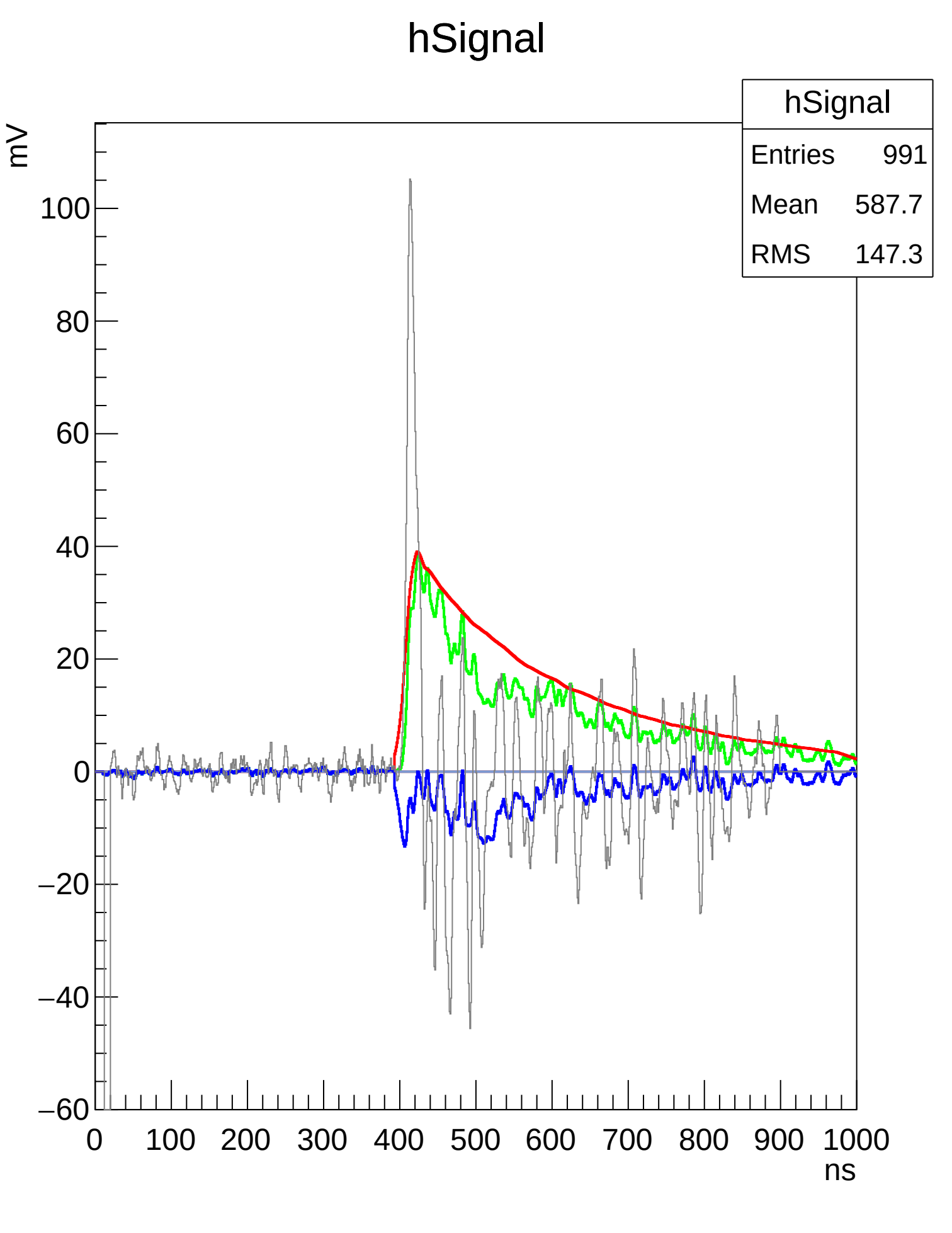

hSignal
hSignal
Entries 991
Mean 576.2
RMS 95.75
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

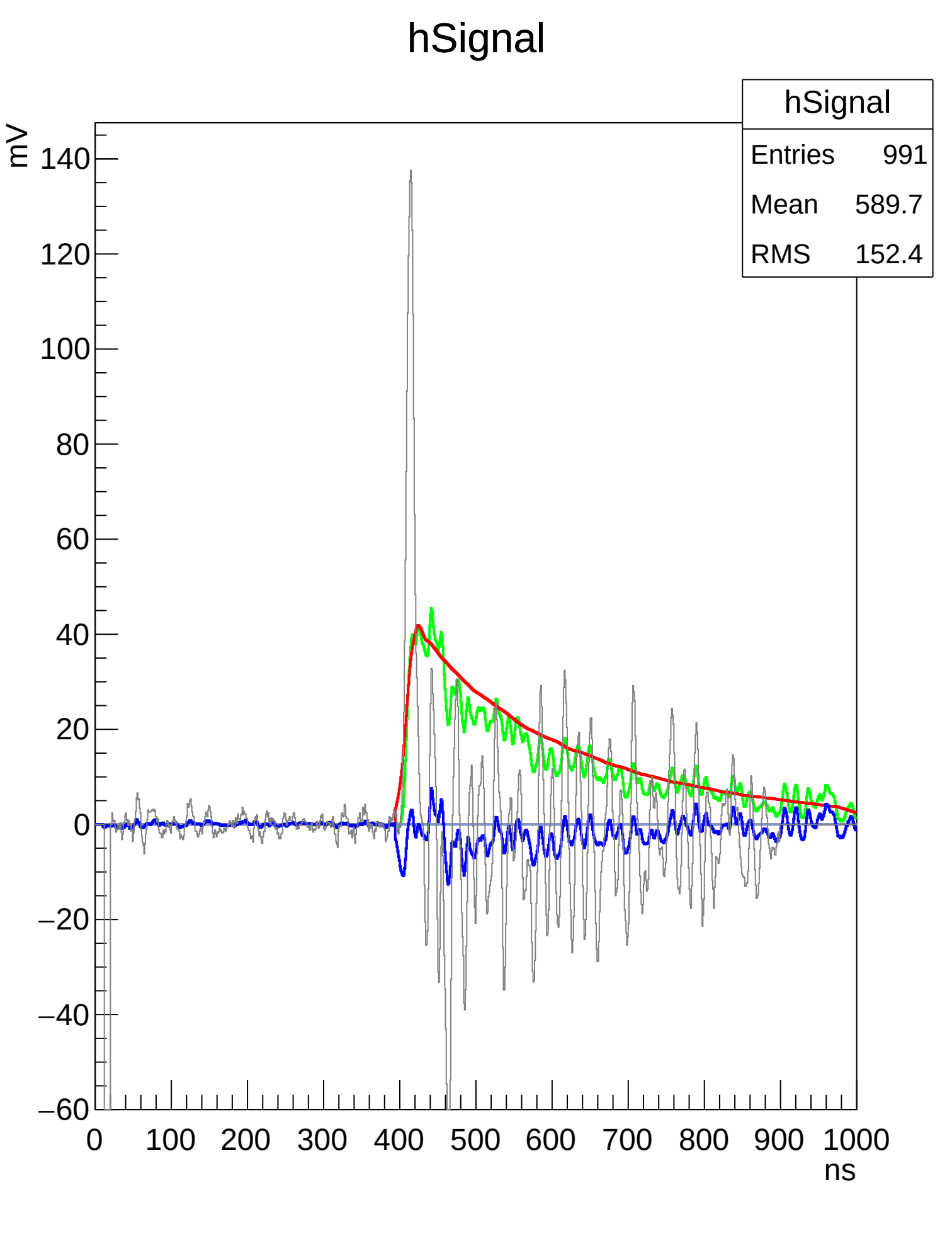

hSignal
hSignal
Entries 991
Mean 593.4
RMS 144.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

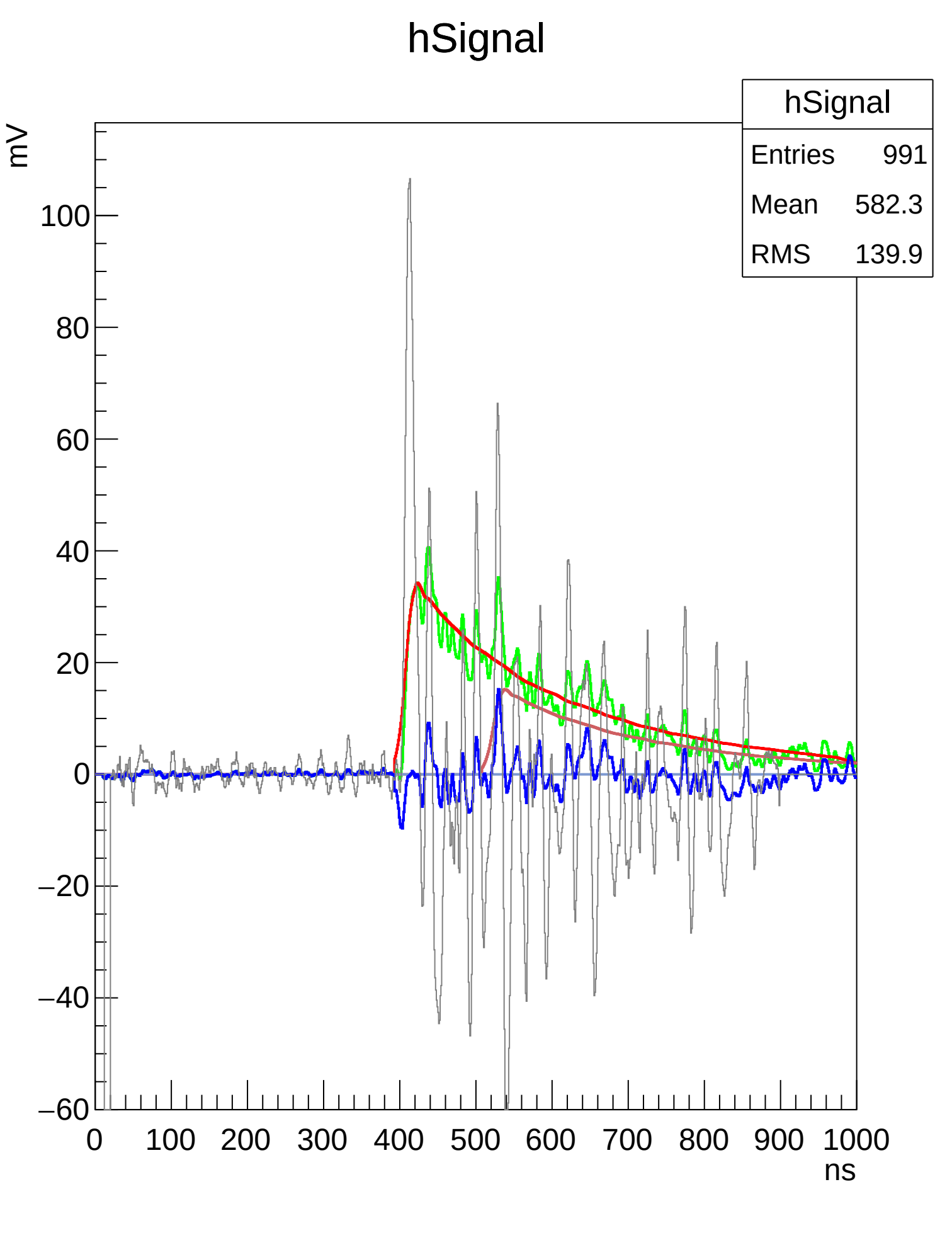

hSignal
hSignal
Entries 991
Mean 596.9
RMS 151.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

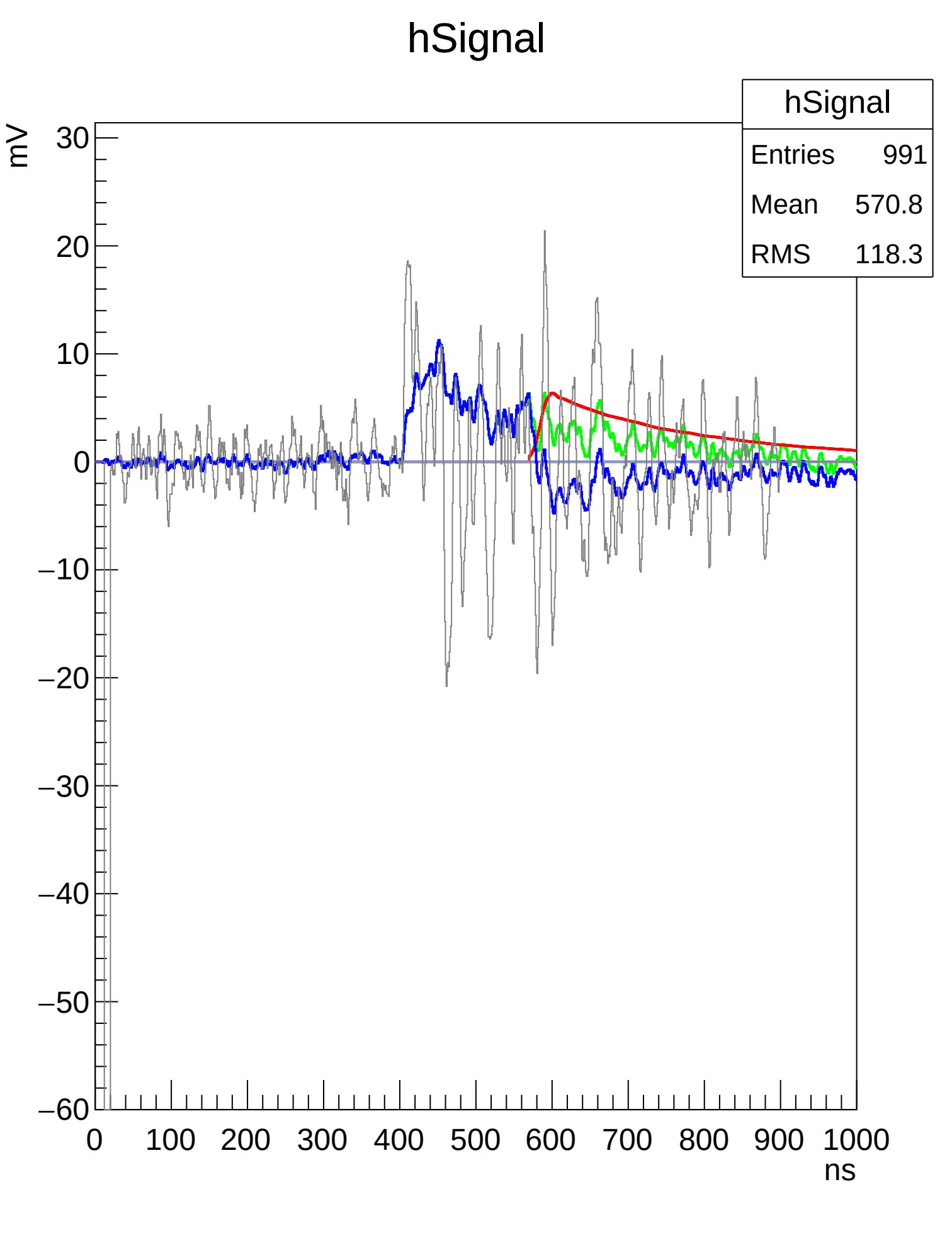

hSignal
hSignal
Entries 991
Mean 596.3
RMS 150
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

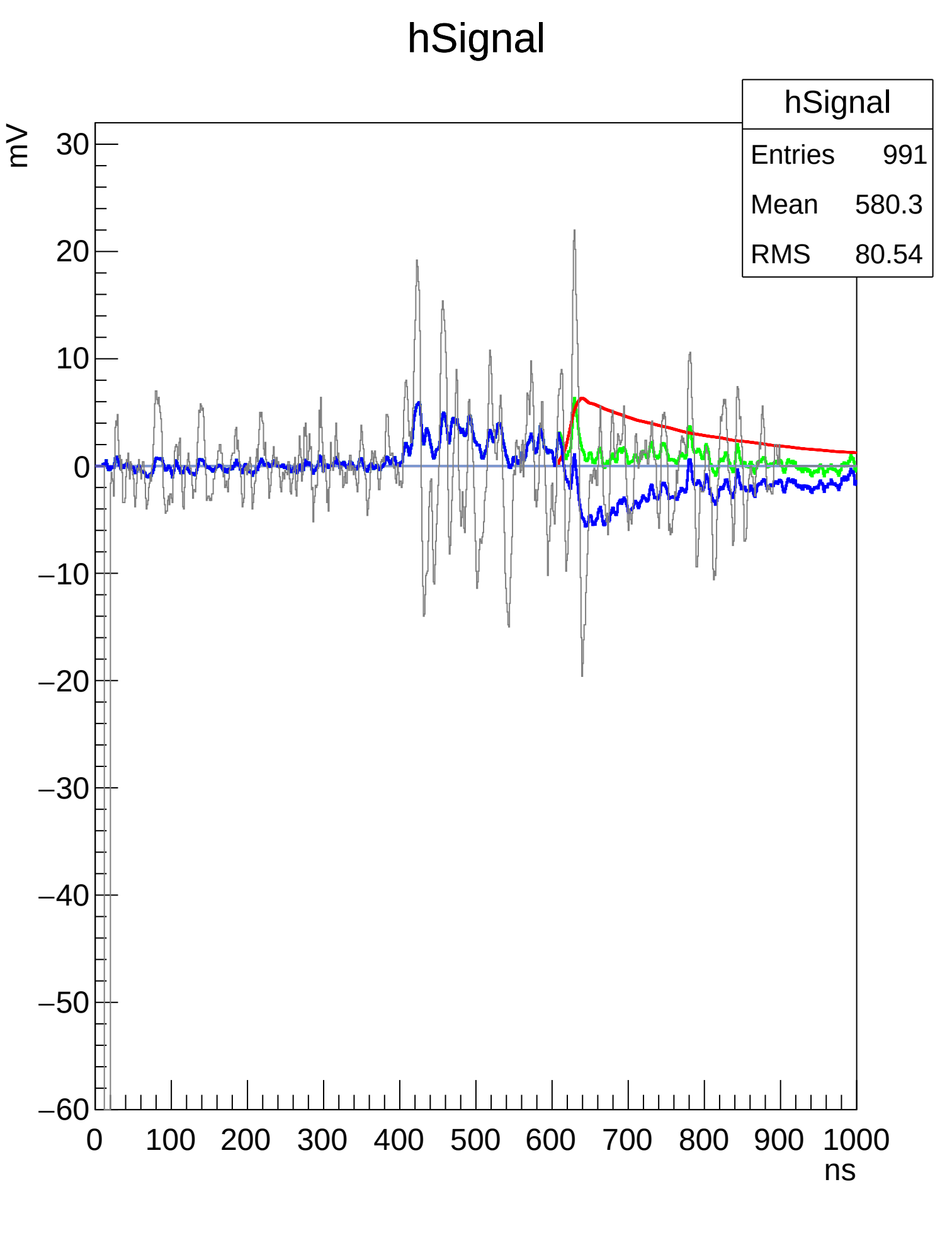

hSignal
hSignal
Entries 991
Mean 581.6
RMS 139.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

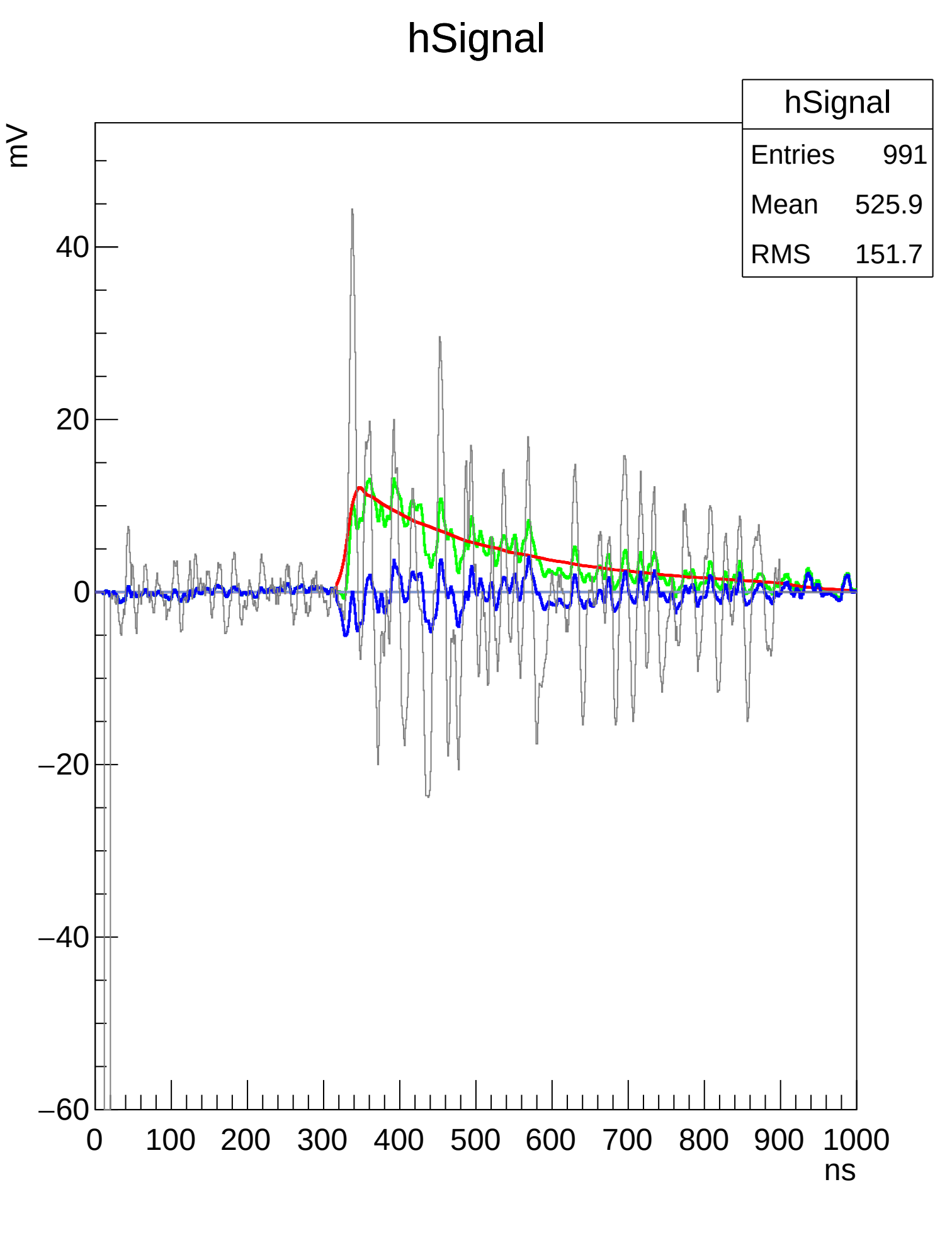

hSignal
hSignal
Entries 991
Mean 587.7
RMS 147.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

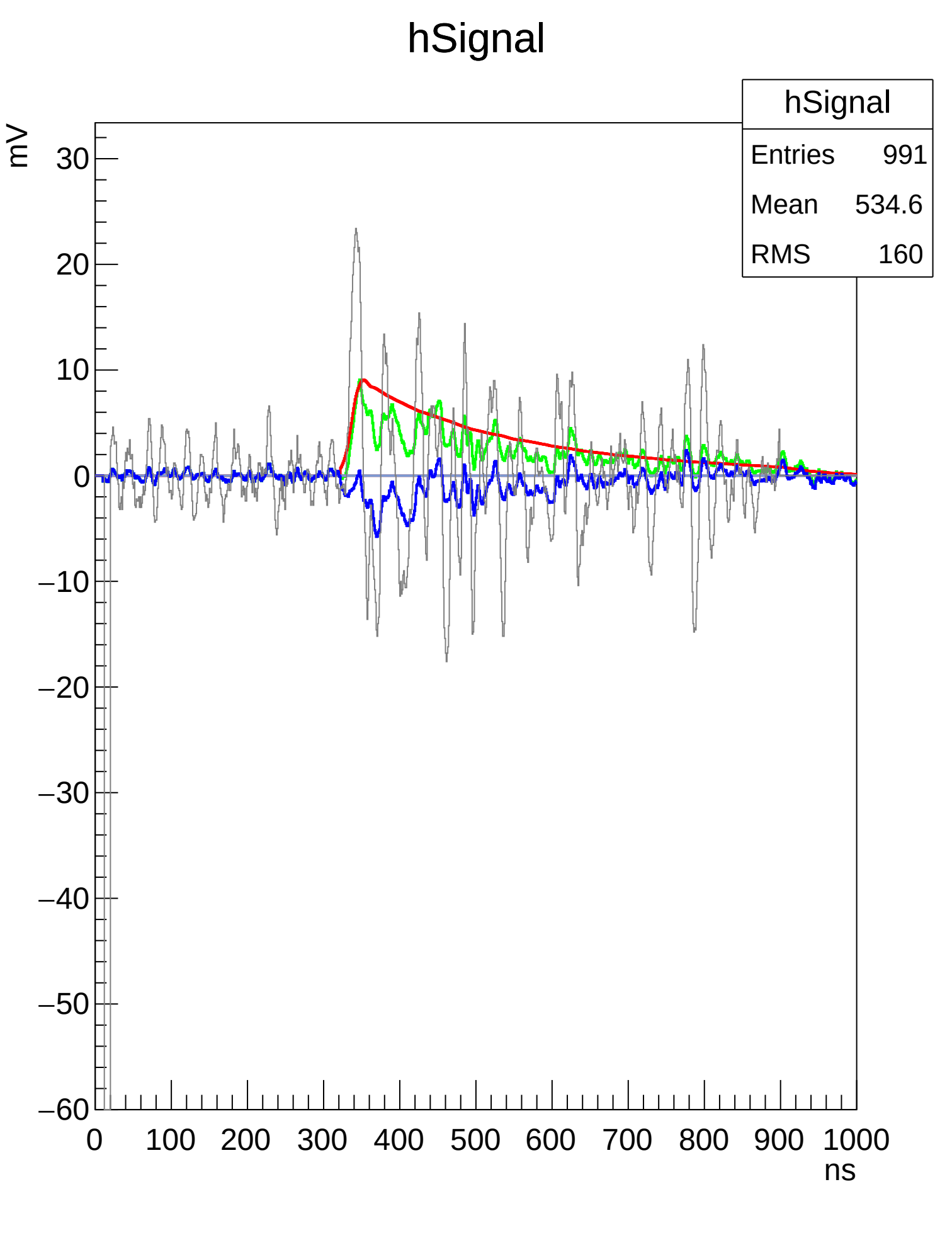

hSignal
hSignal
Entries 991
Mean 589.7
RMS 152.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

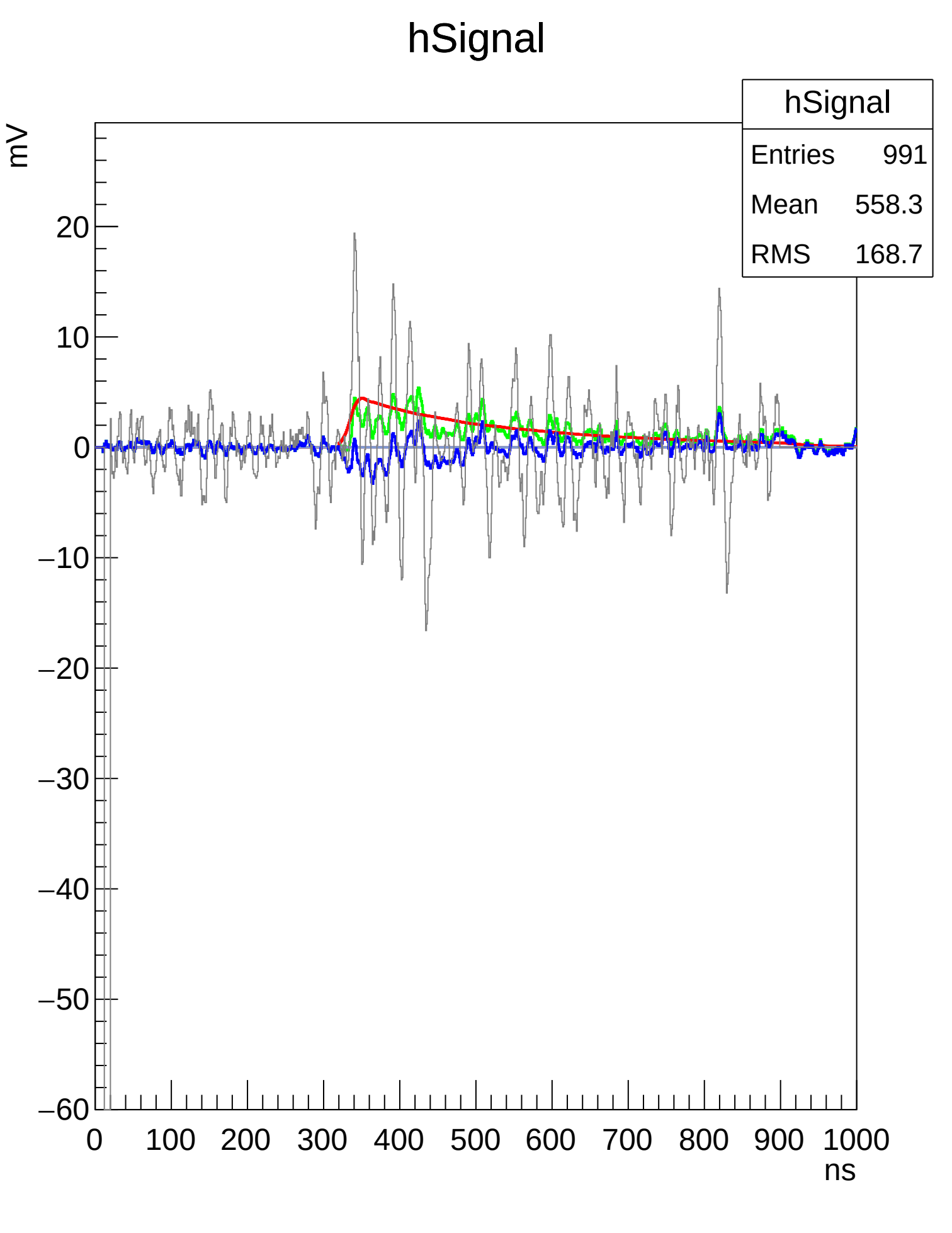

hSignal
hSignal
Entries 991
Mean 582.3
RMS 139.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

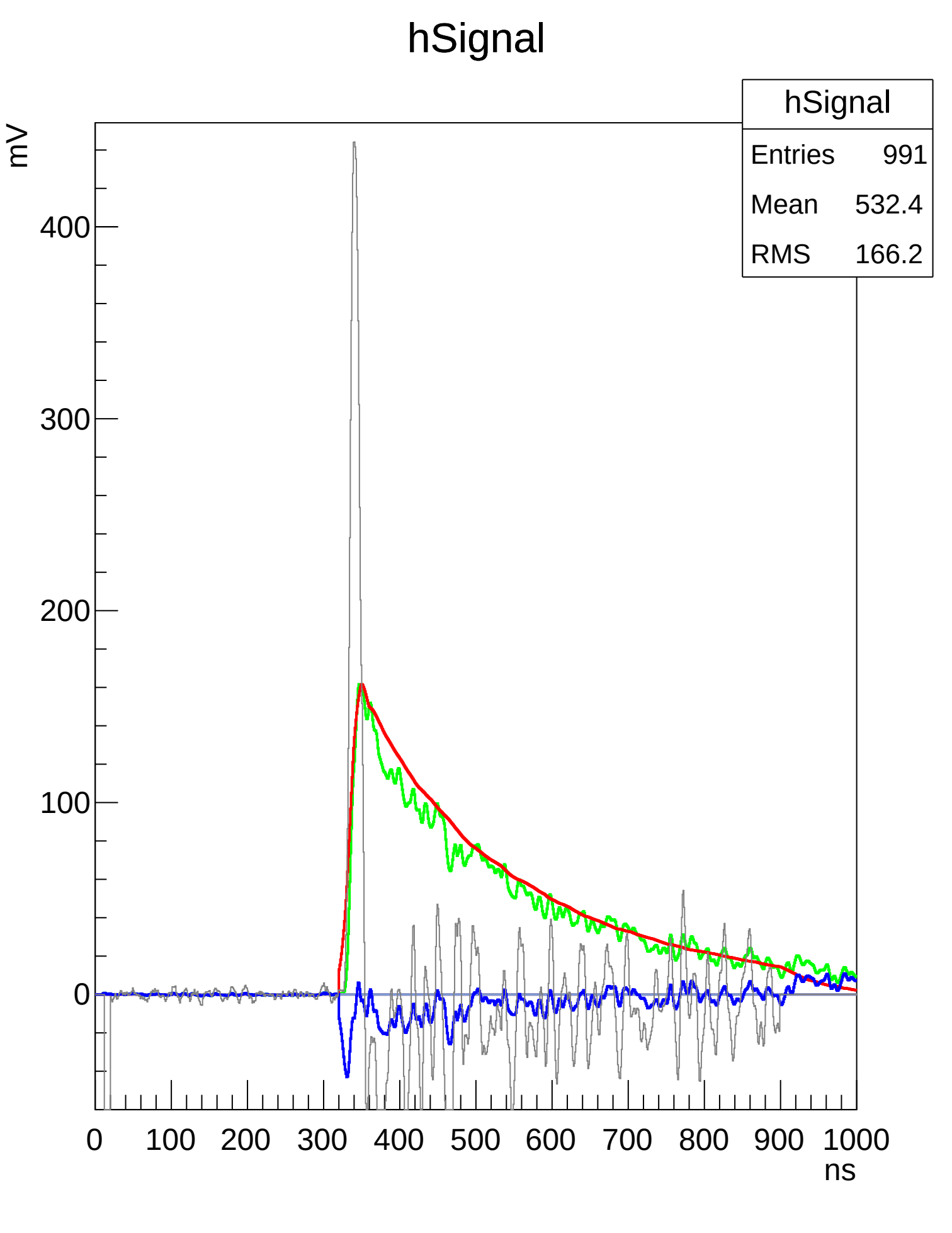

hSignal
hSignal
Entries 991
Mean 570.8
RMS 118.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

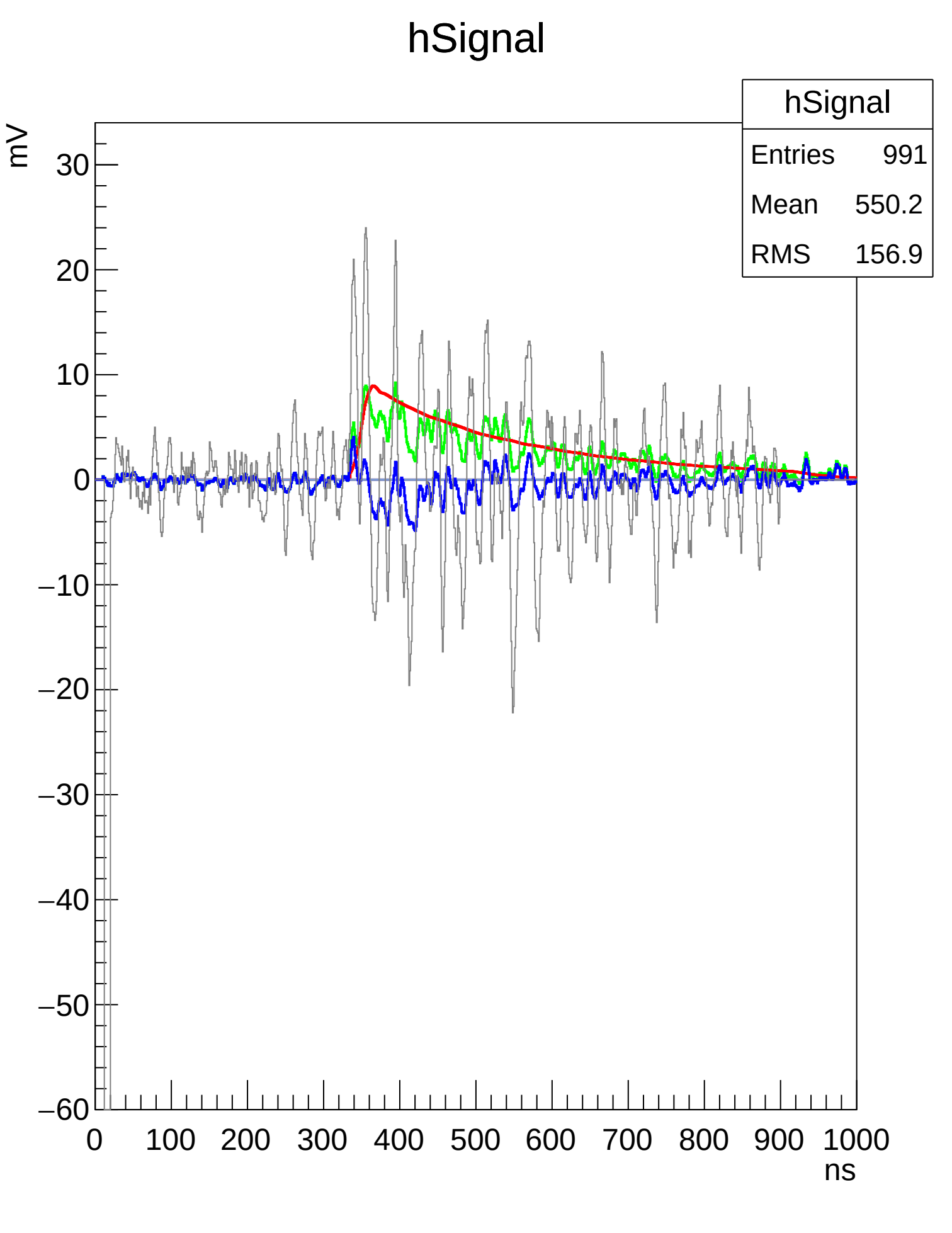

hSignal
hSignal
Entries 991
Mean 580.3
RMS 80.54
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

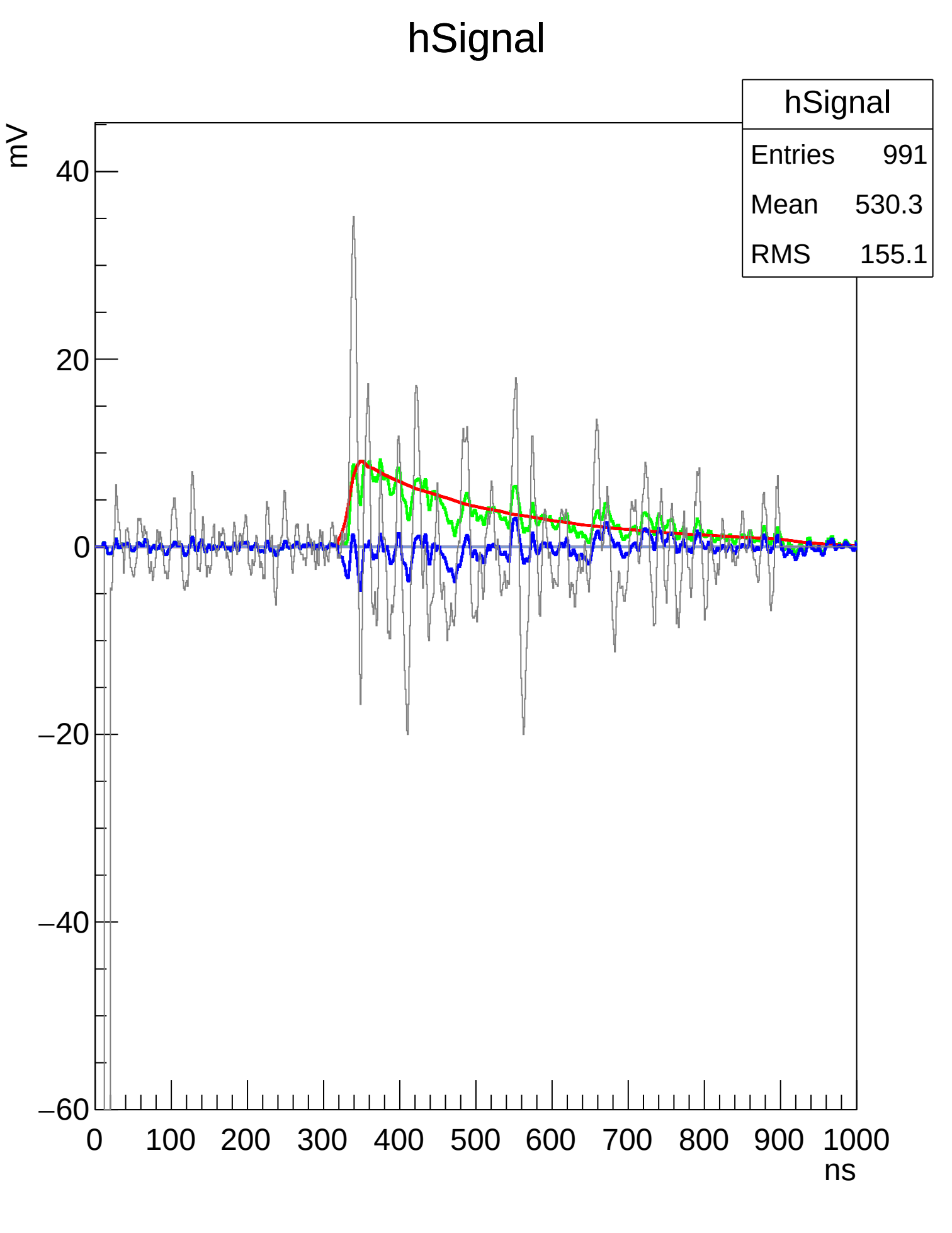

hSignal
hSignal
Entries 991
Mean 525.9
RMS 151.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

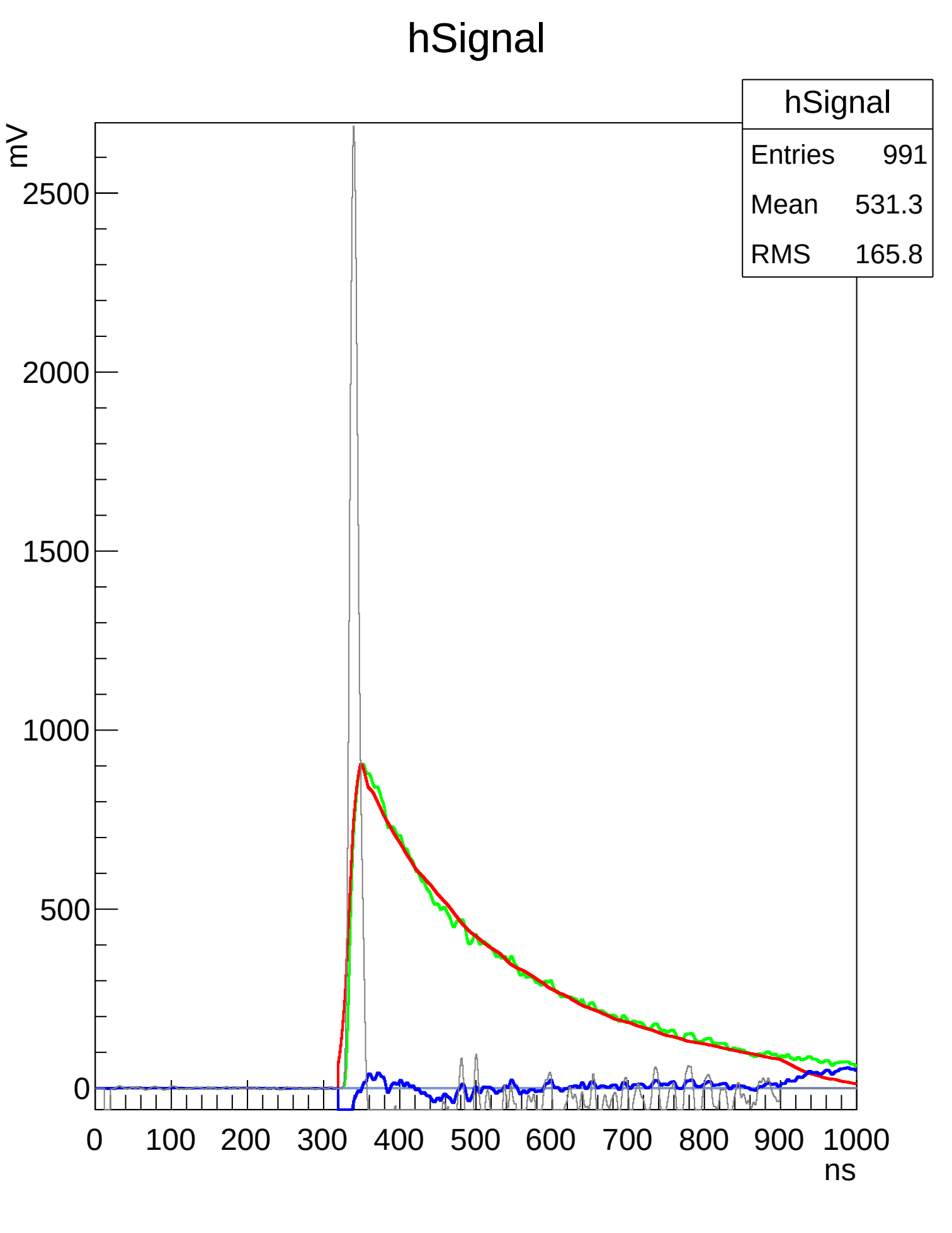

hSignal
hSignal
Entries 991
Mean 534.6
RMS 160
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

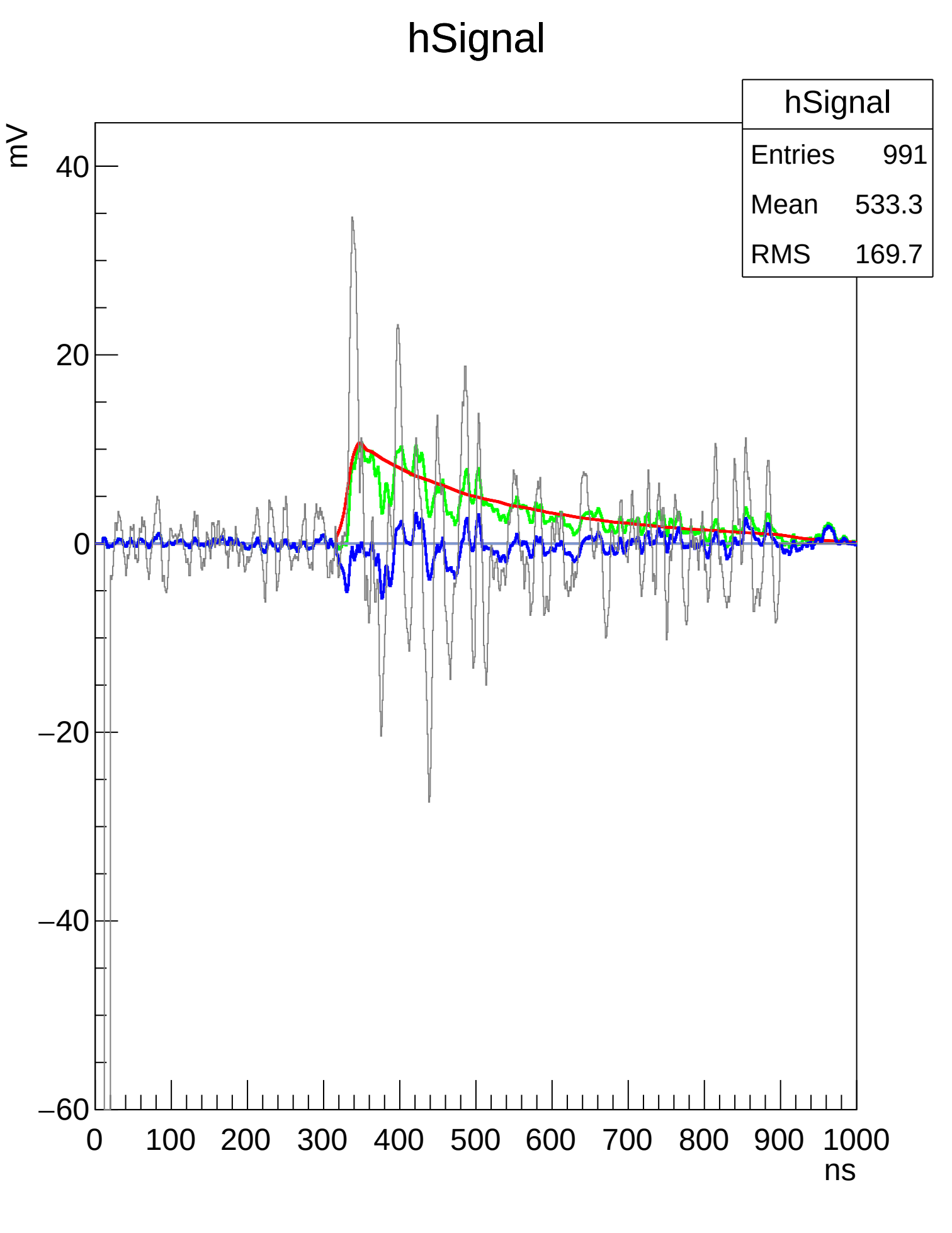

hSignal
hSignal
Entries 991
Mean 558.3
RMS 168.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

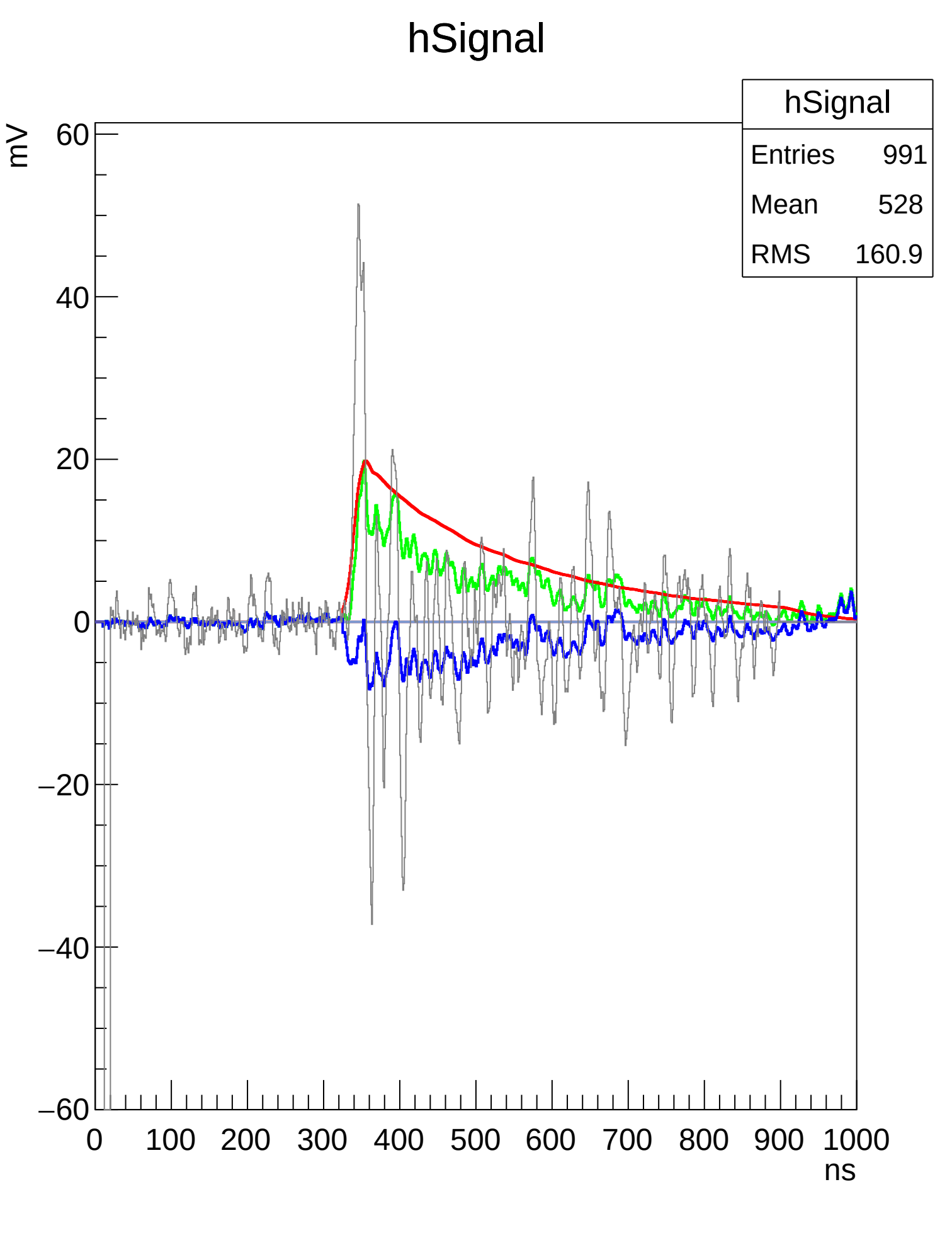

hSignal
hSignal
Entries 991
Mean 532.4
RMS 166.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

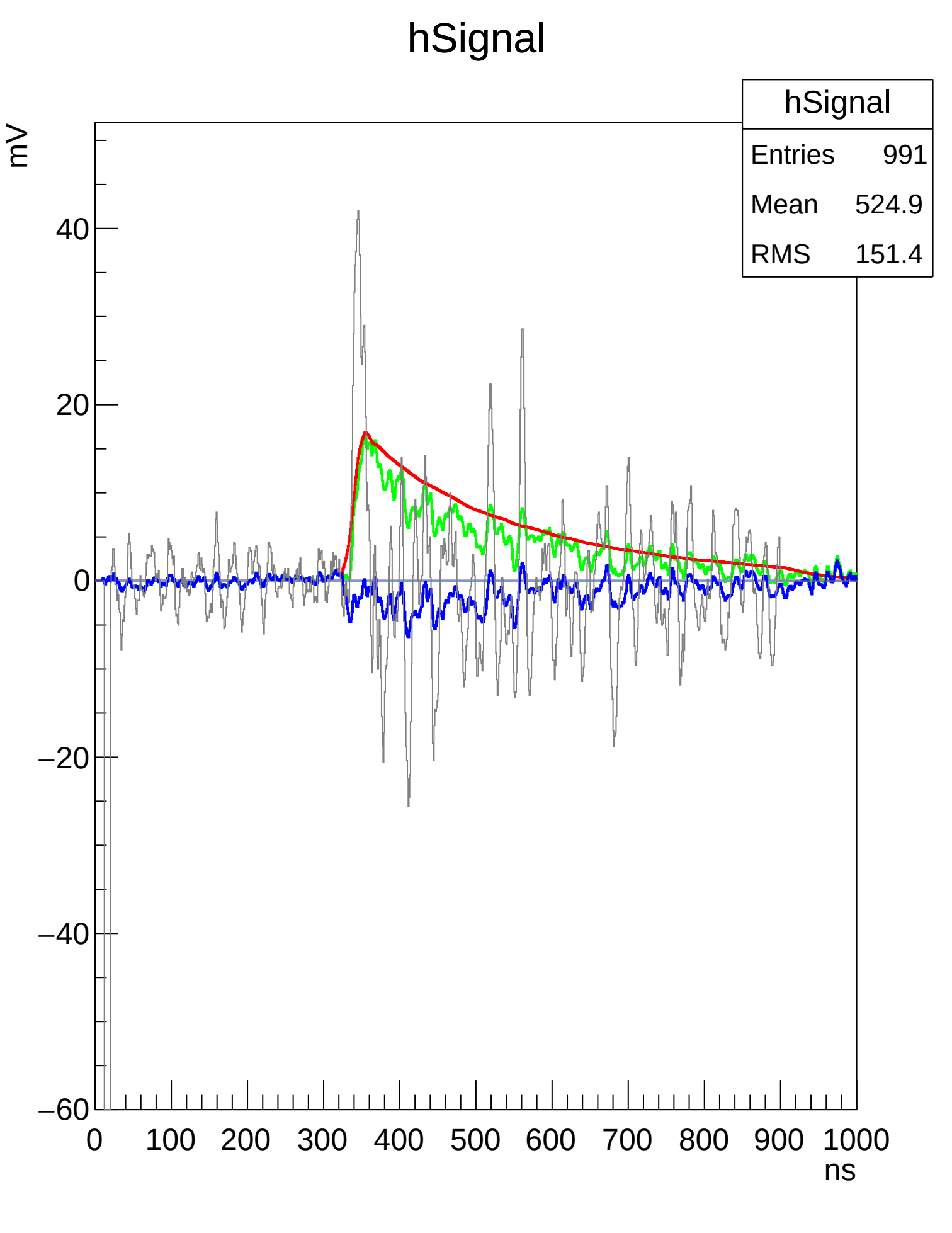

hSignal
hSignal
Entries 991
Mean 550.2
RMS 156.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.3
RMS 155.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.3
RMS 165.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.3
RMS 169.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528
RMS 160.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.9
RMS 151.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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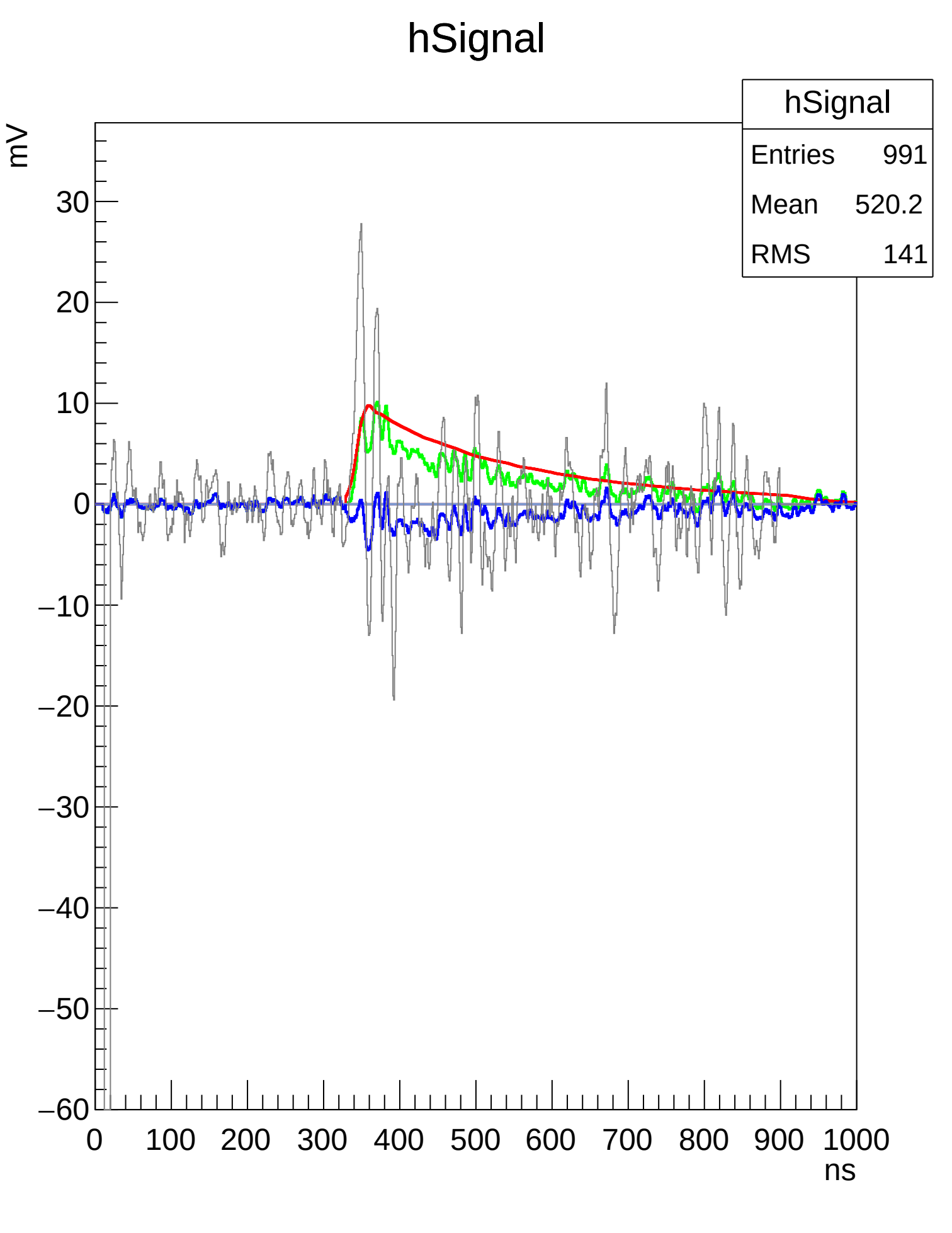
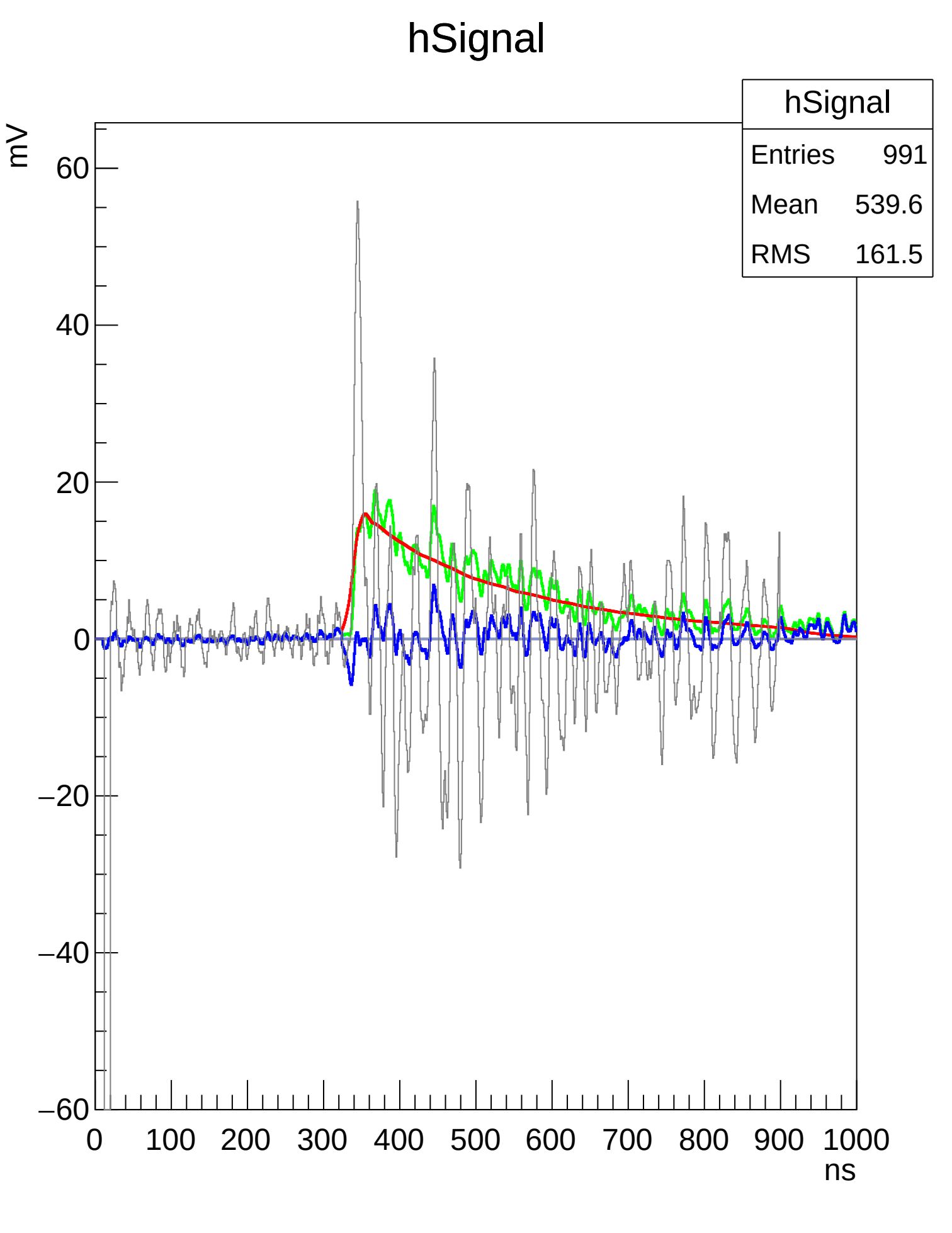
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.2
RMS 141
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.6
RMS 161.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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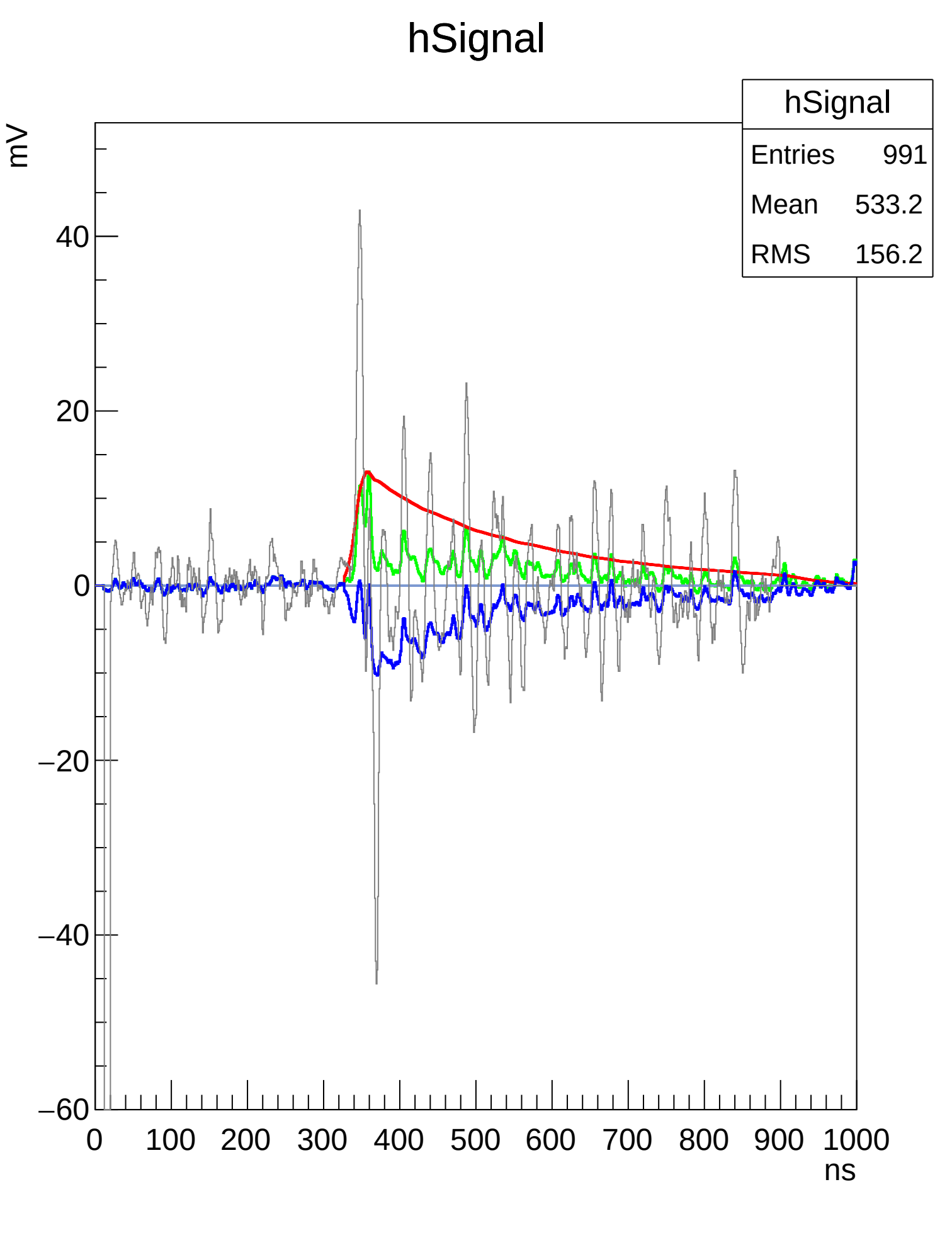
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.2
RMS 156.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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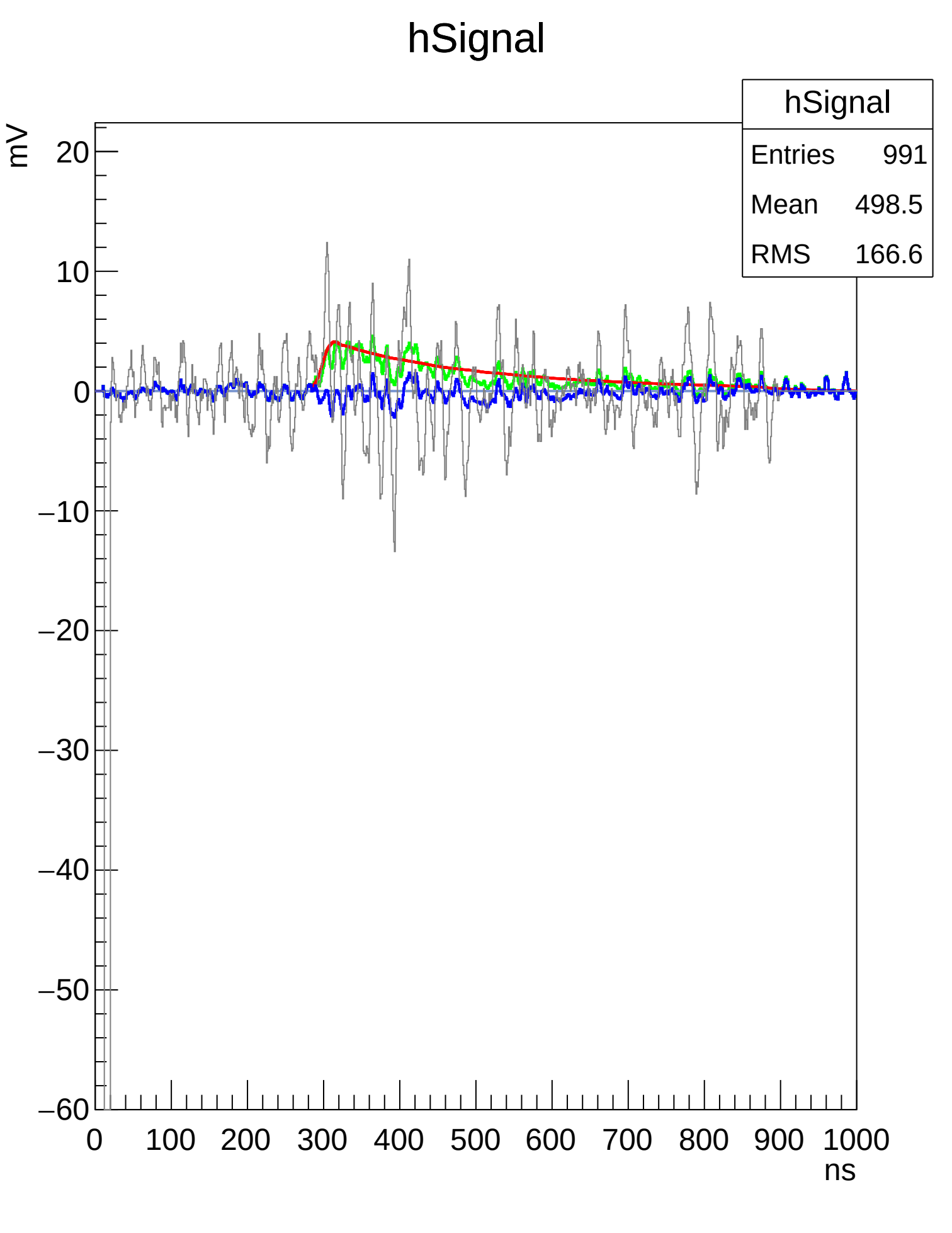
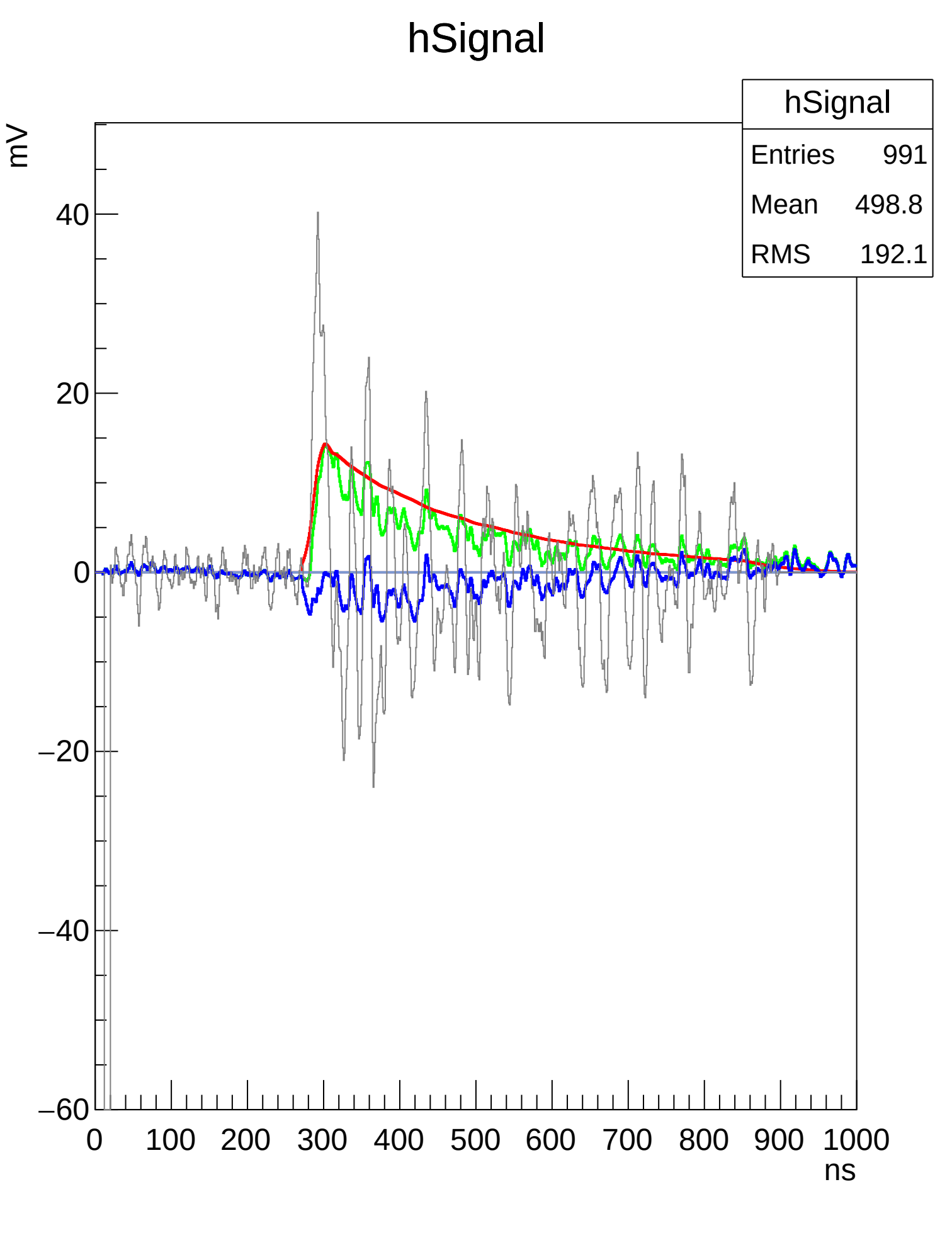
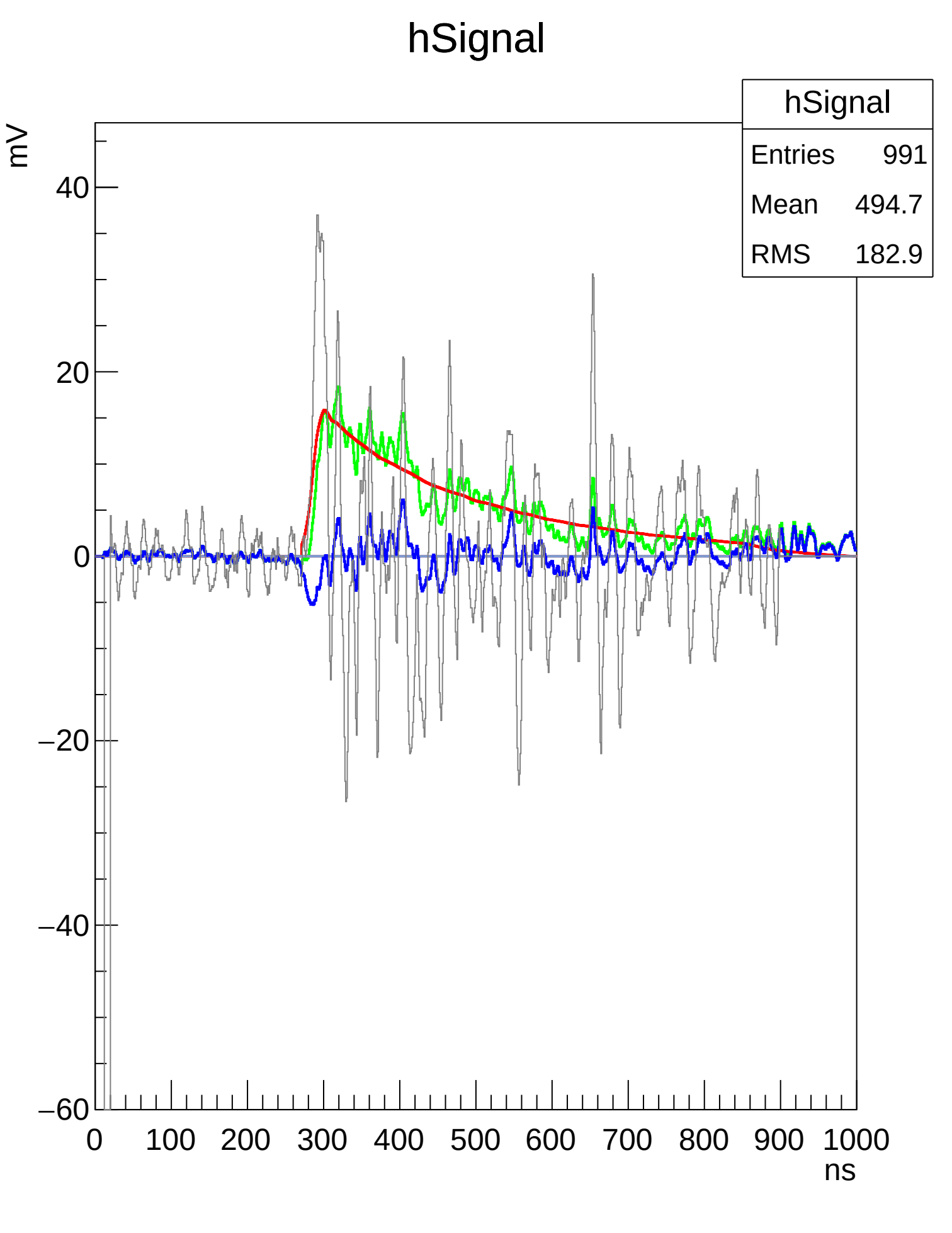
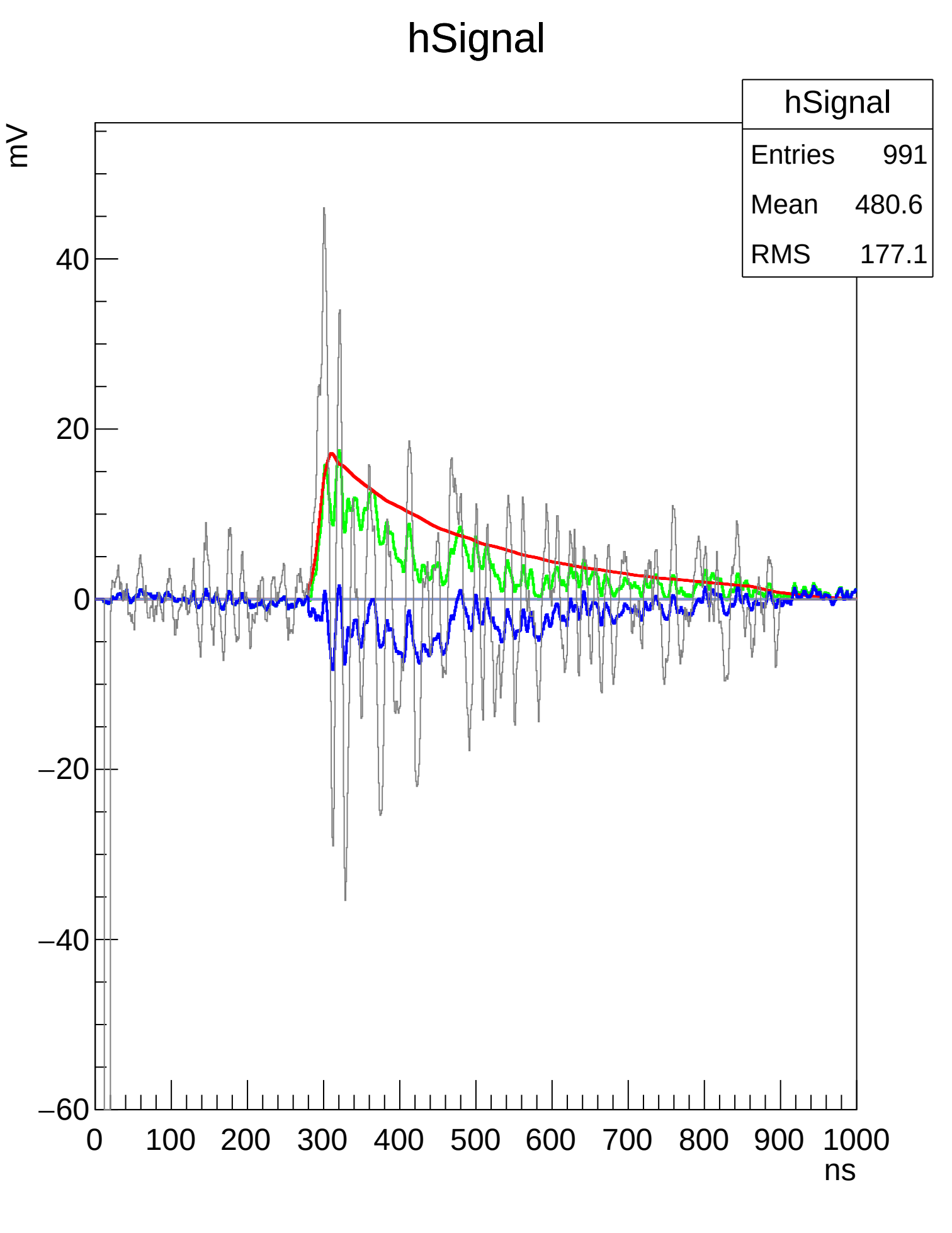
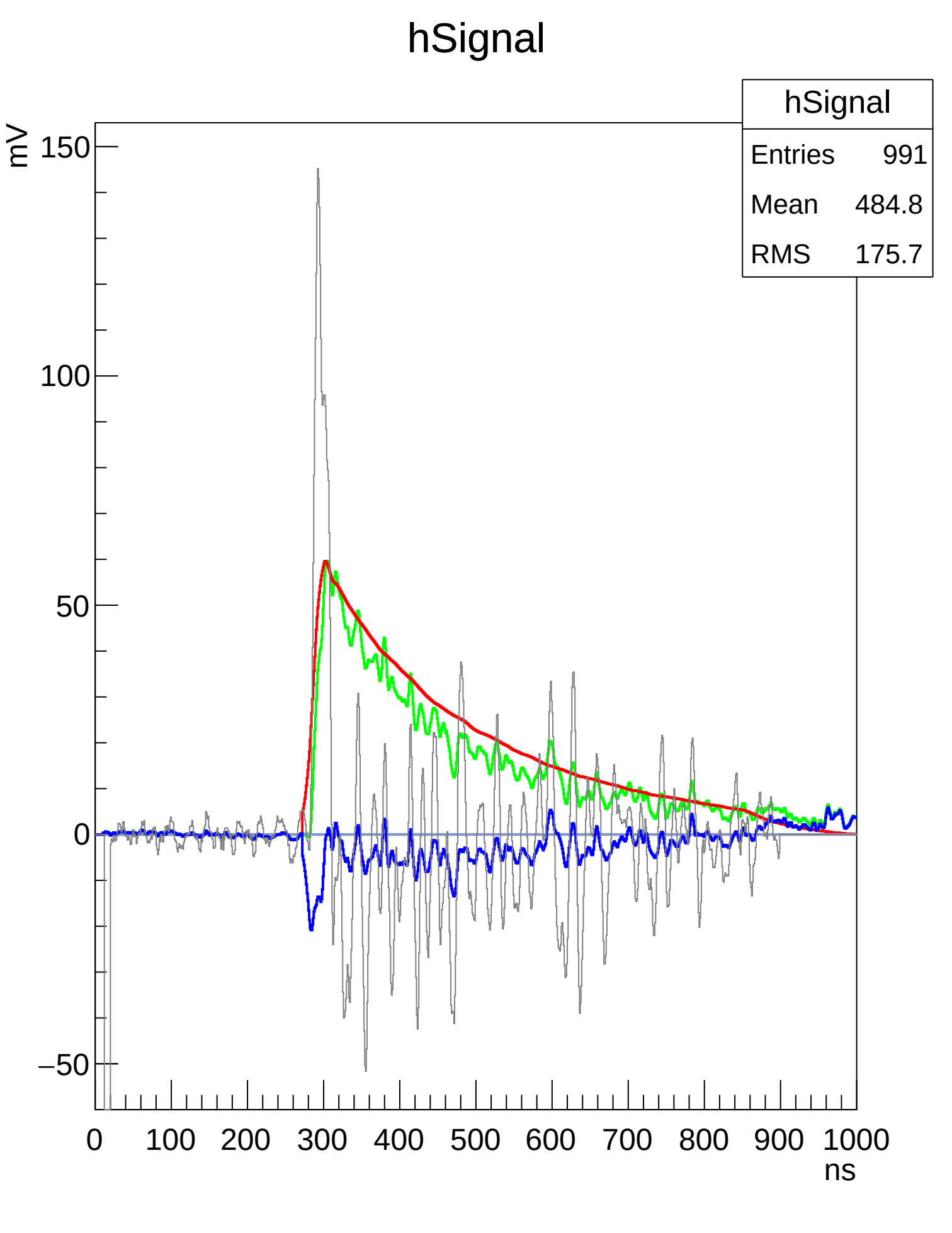
600
700
800
900
1000
ns

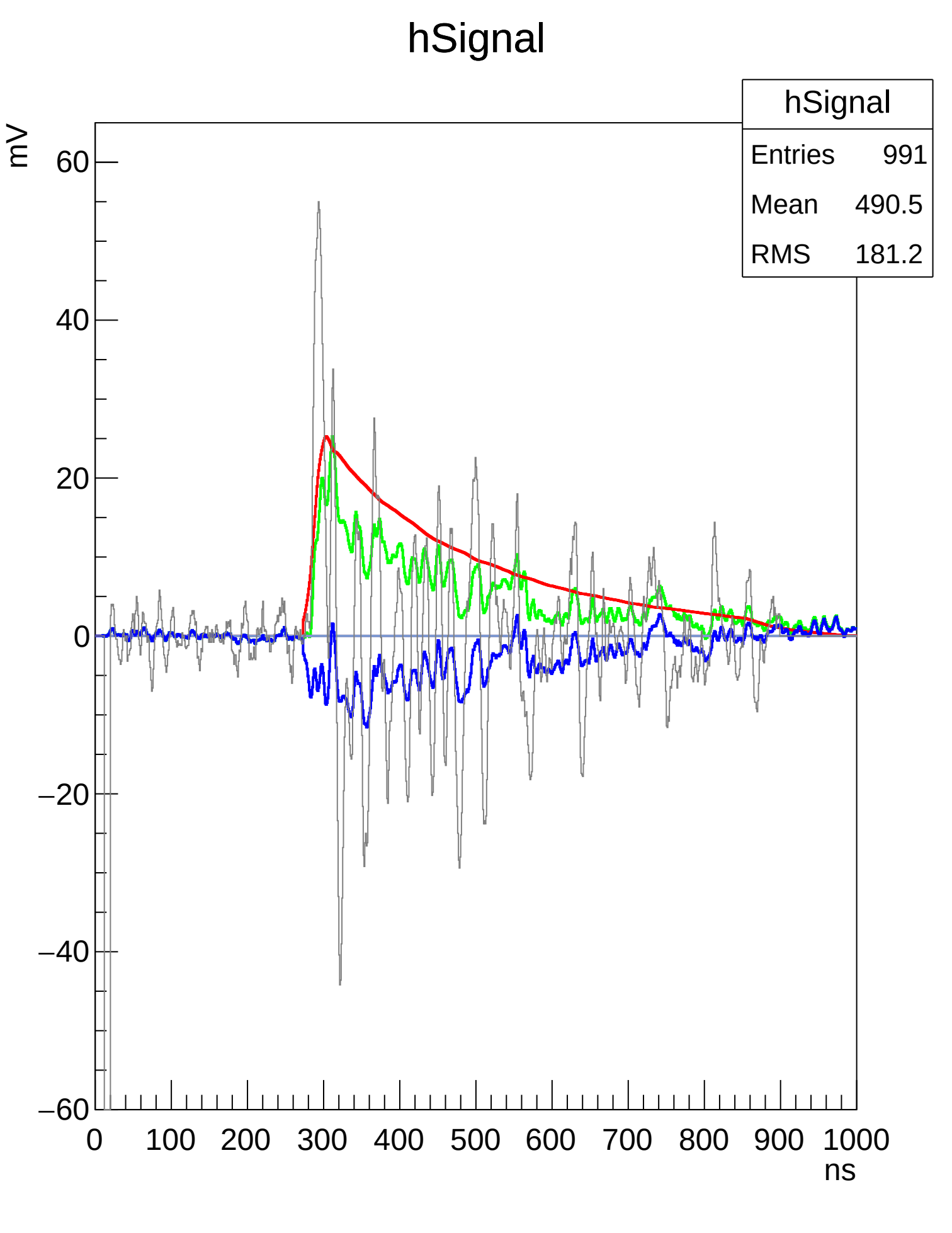

hSignal
hSignal
Entries 991
Mean 498.5
RMS 166.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

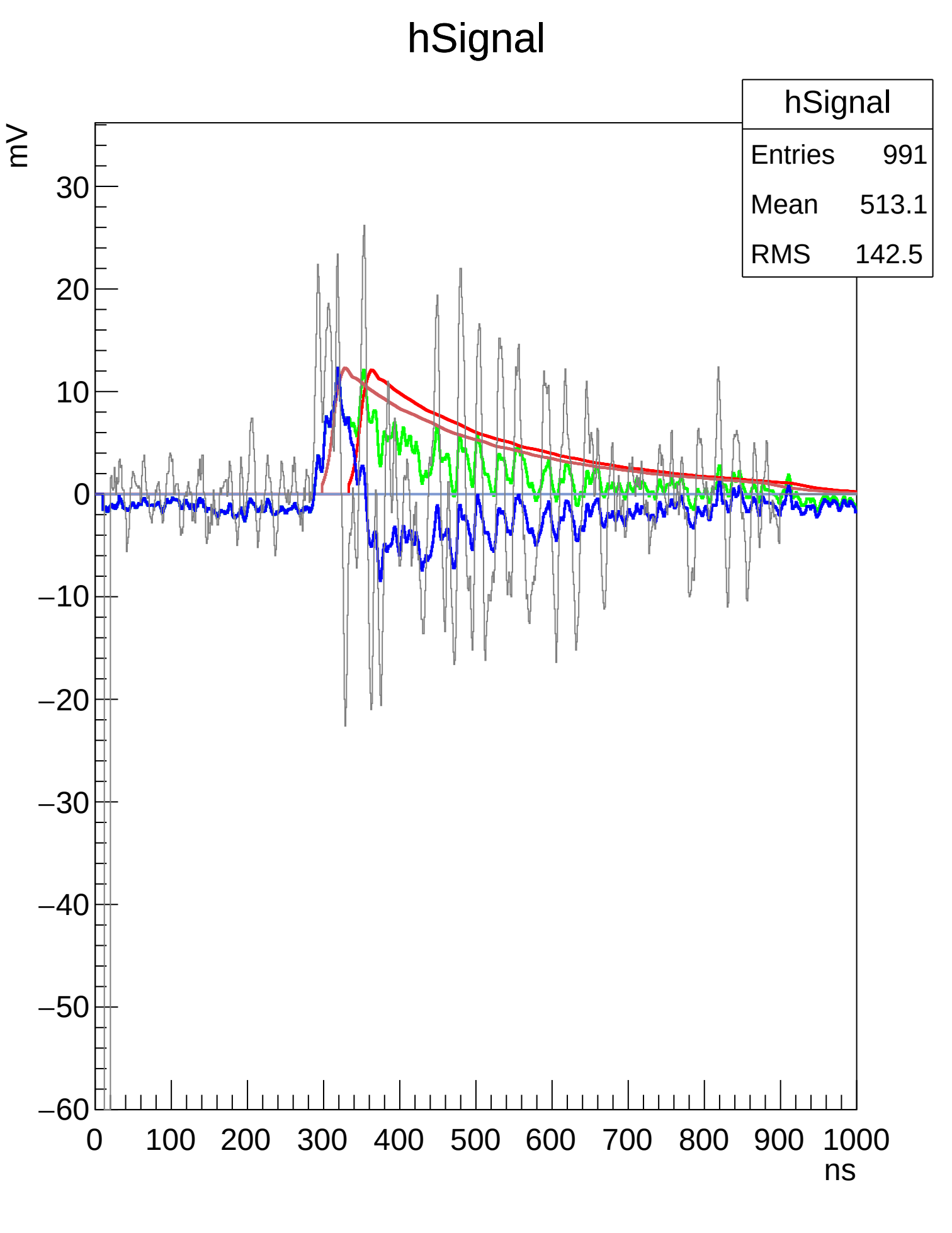

hSignal
hSignal
Entries 991
Mean 498.8
RMS 192.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

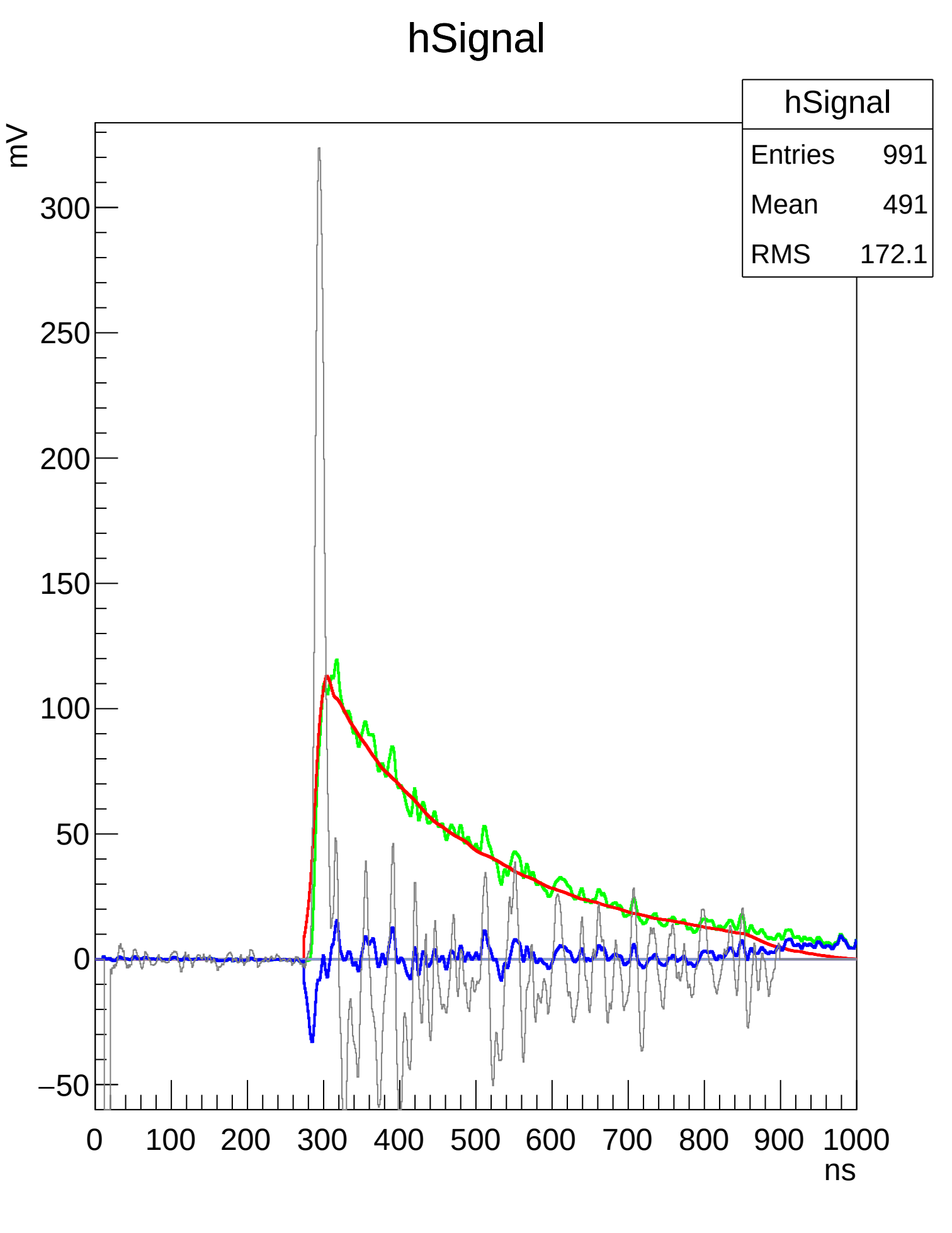

hSignal
hSignal
Entries 991
Mean 494.7
RMS 182.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.6
RMS 177.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 484.8
RMS 175.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.5
RMS 181.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.1
RMS 142.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491
RMS 172.1
mV
300
250
200
150
100
50
0
−50
0
100
200
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400
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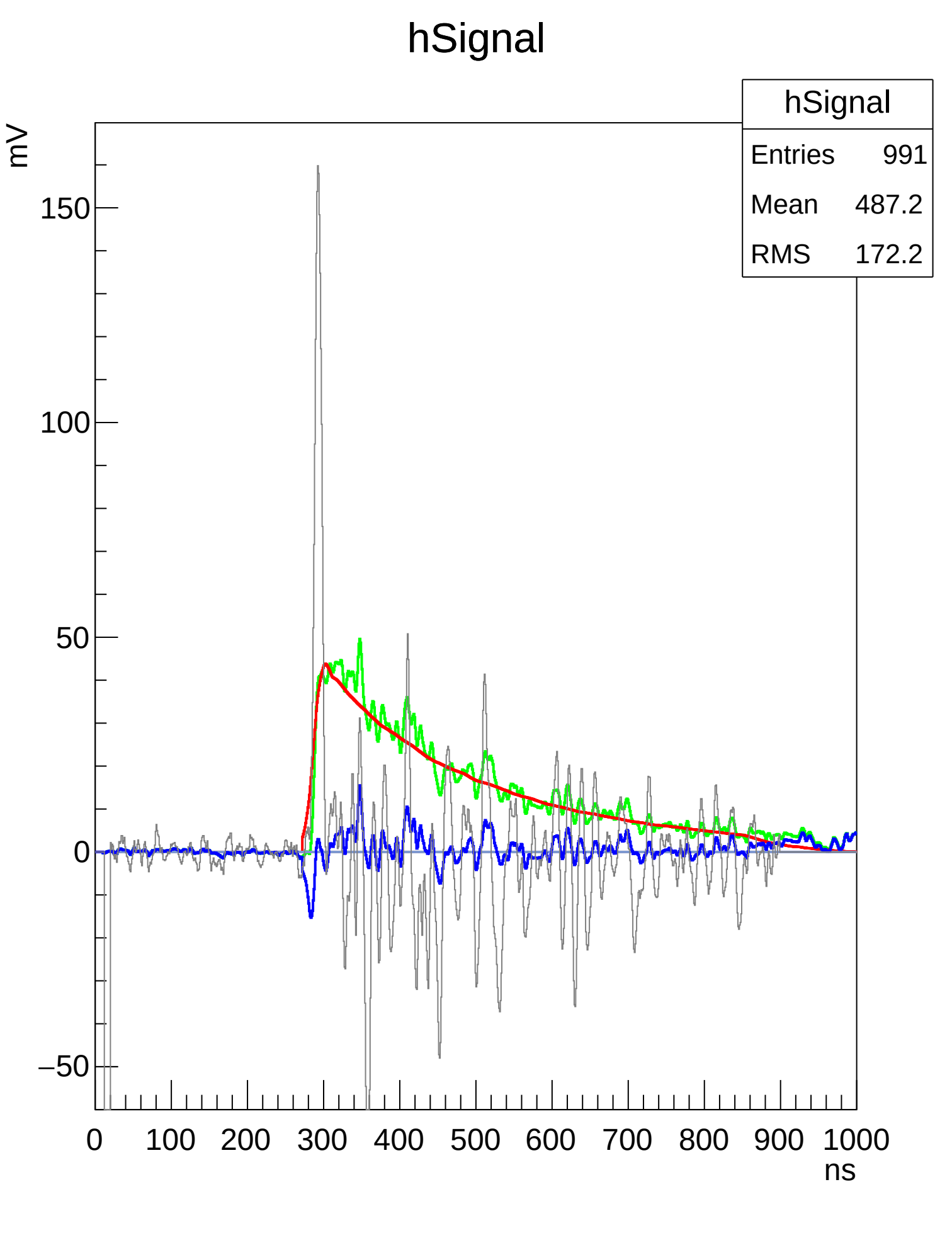
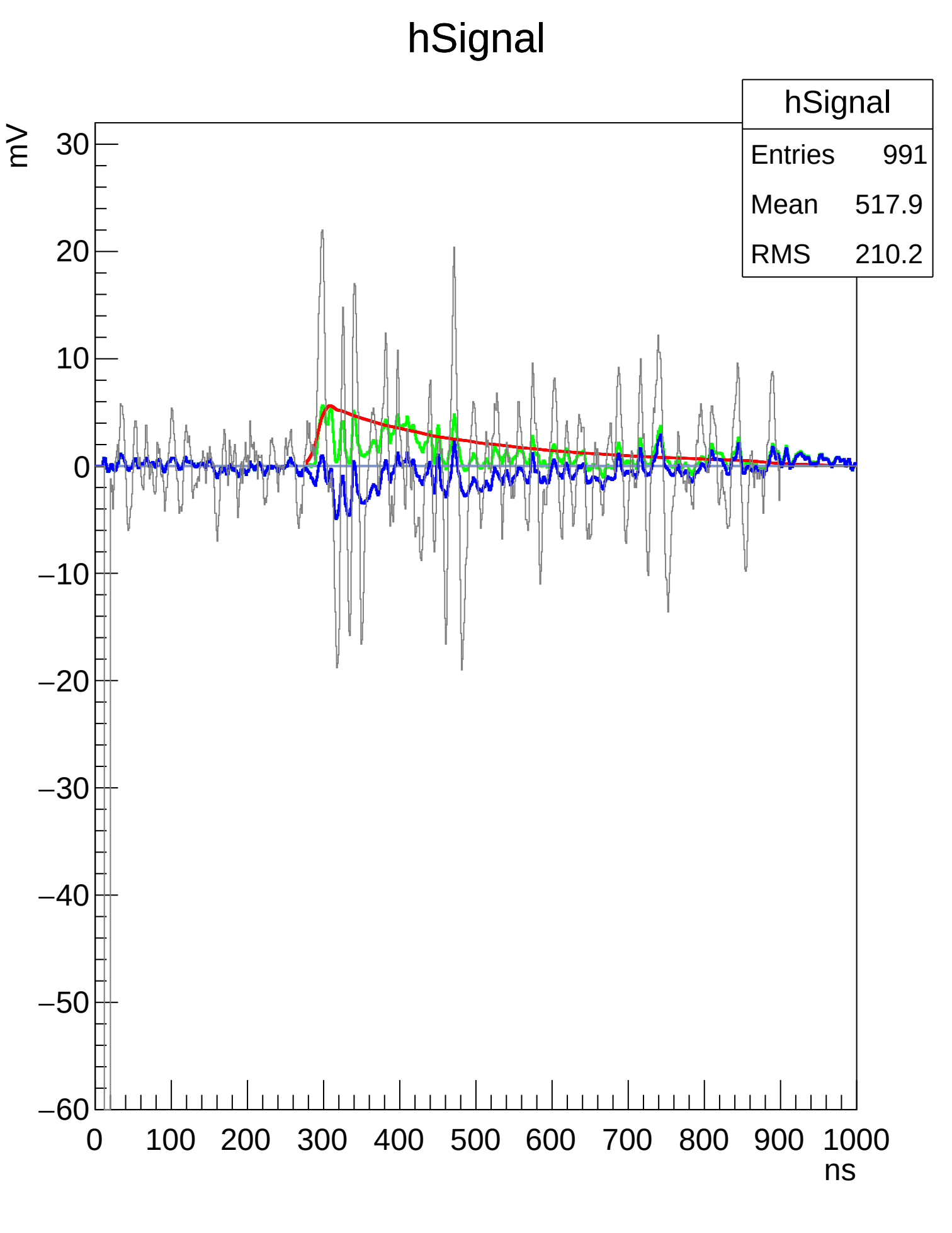
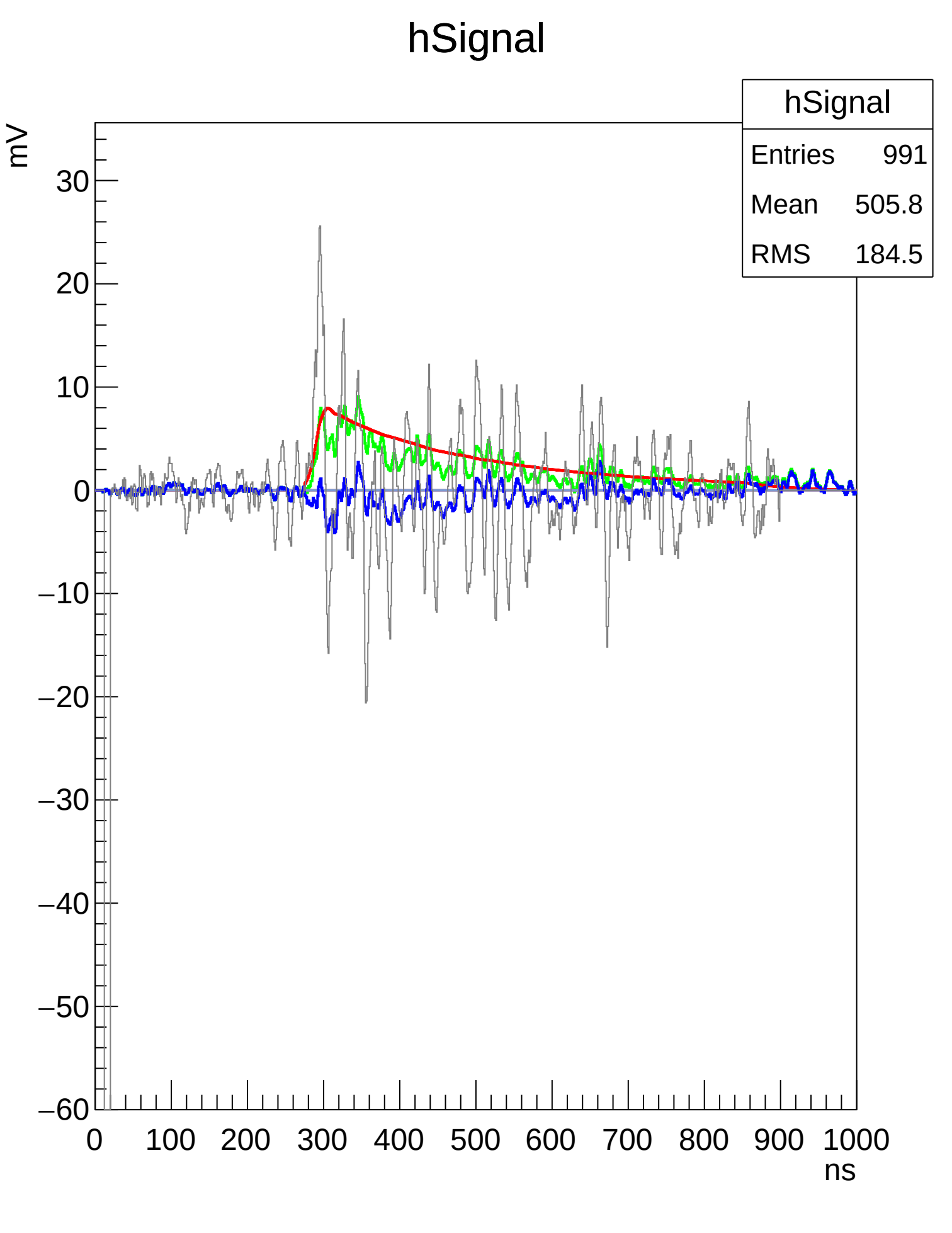
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 487.2
RMS 172.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.9
RMS 210.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.8
RMS 184.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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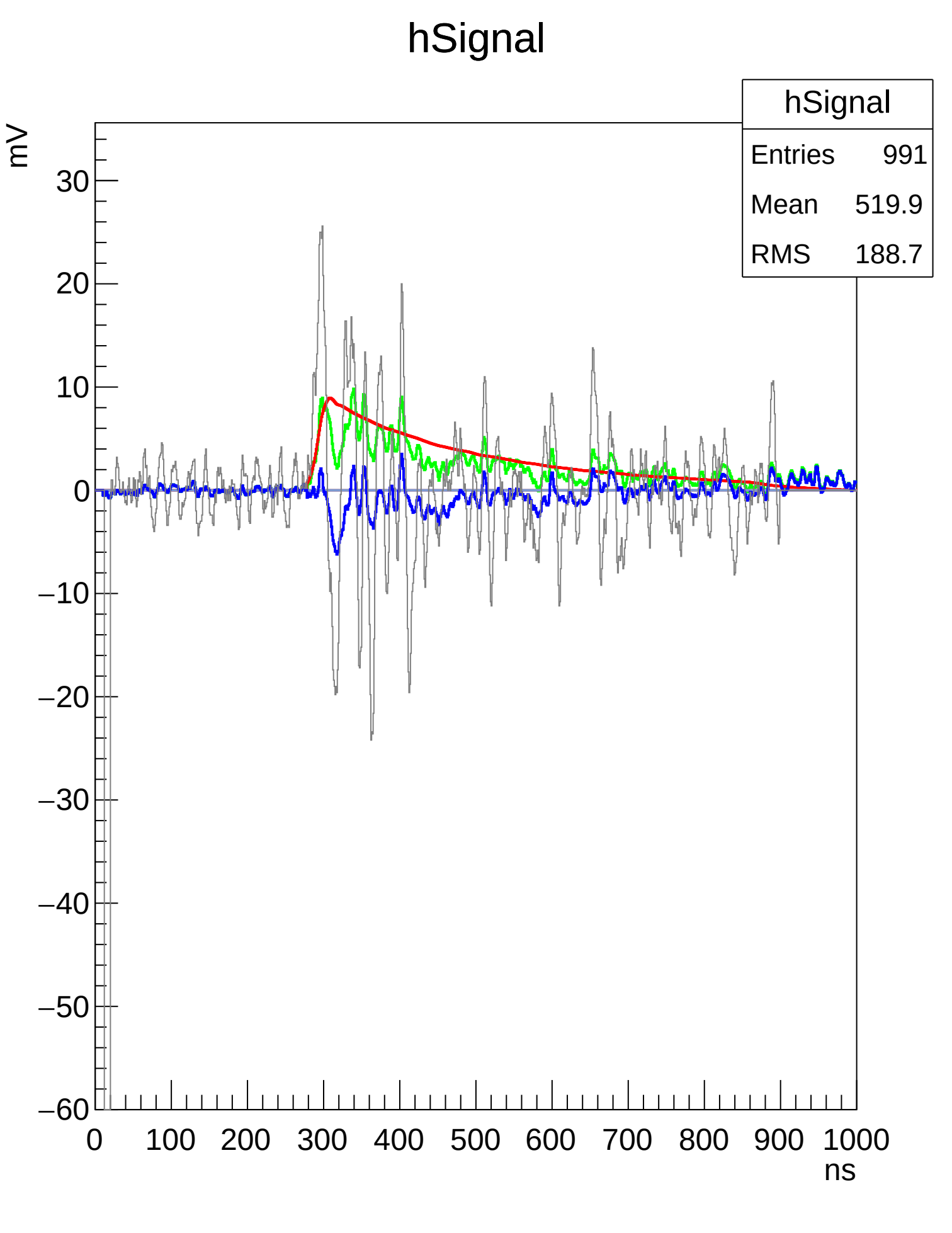
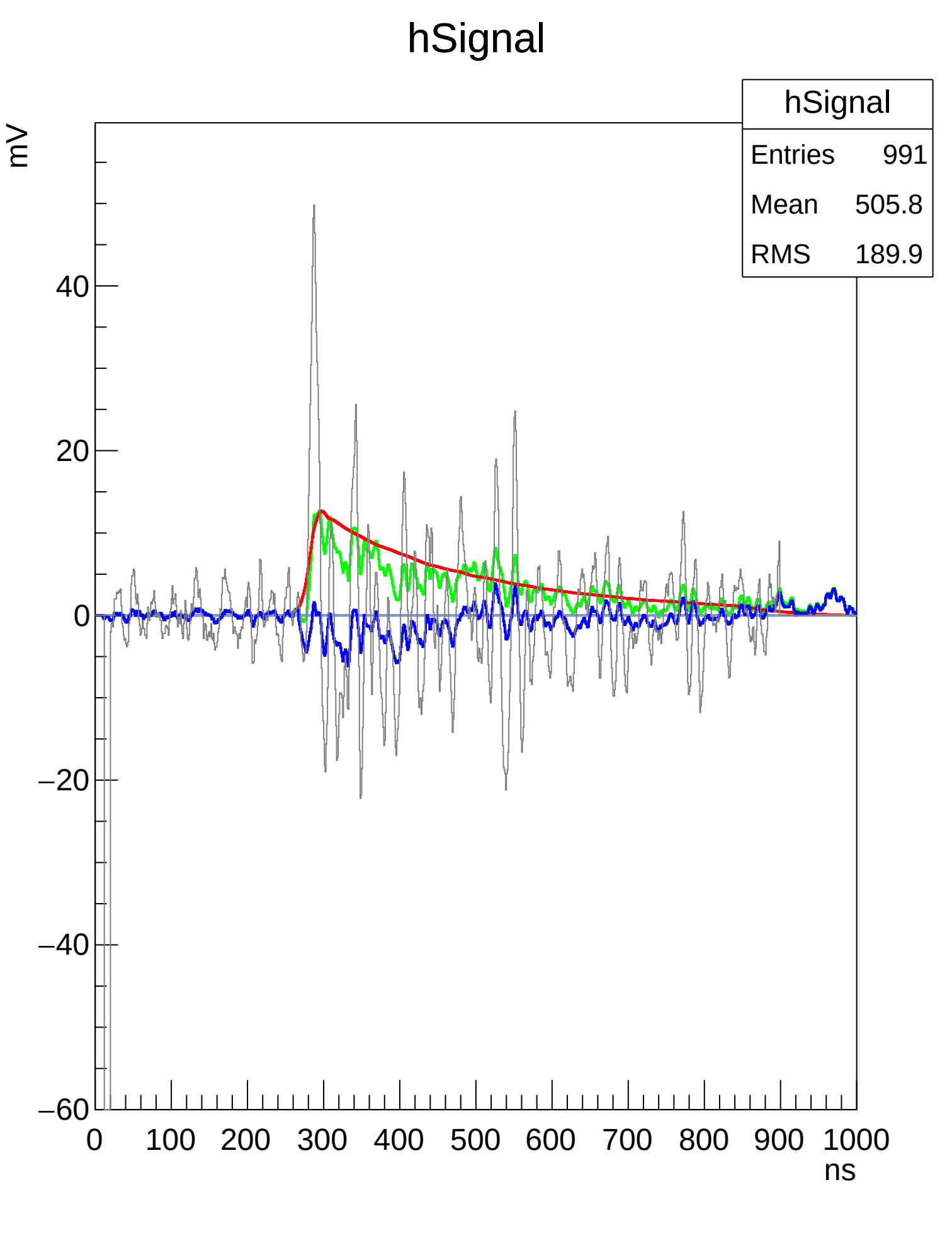
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.9
RMS 188.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.8
RMS 189.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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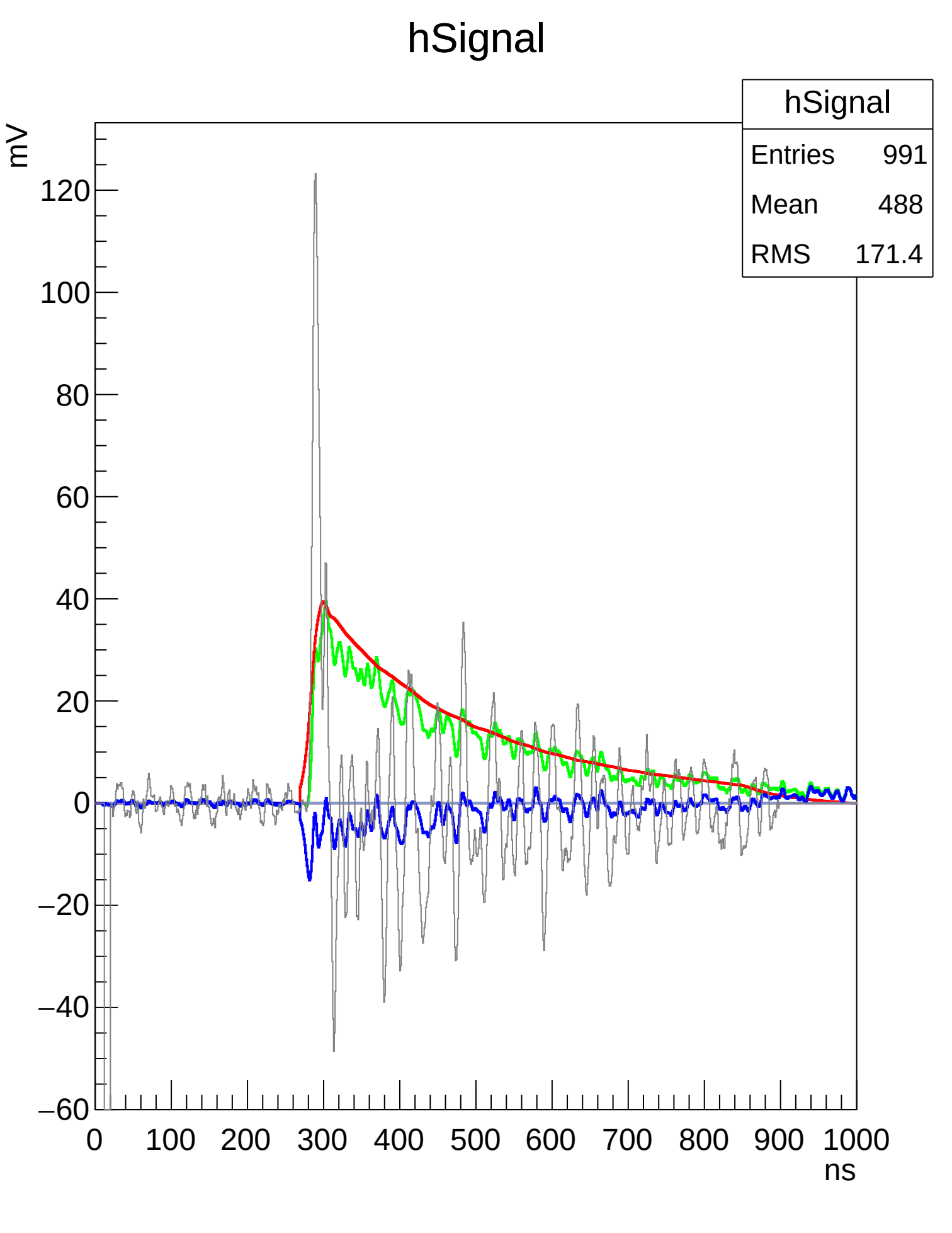
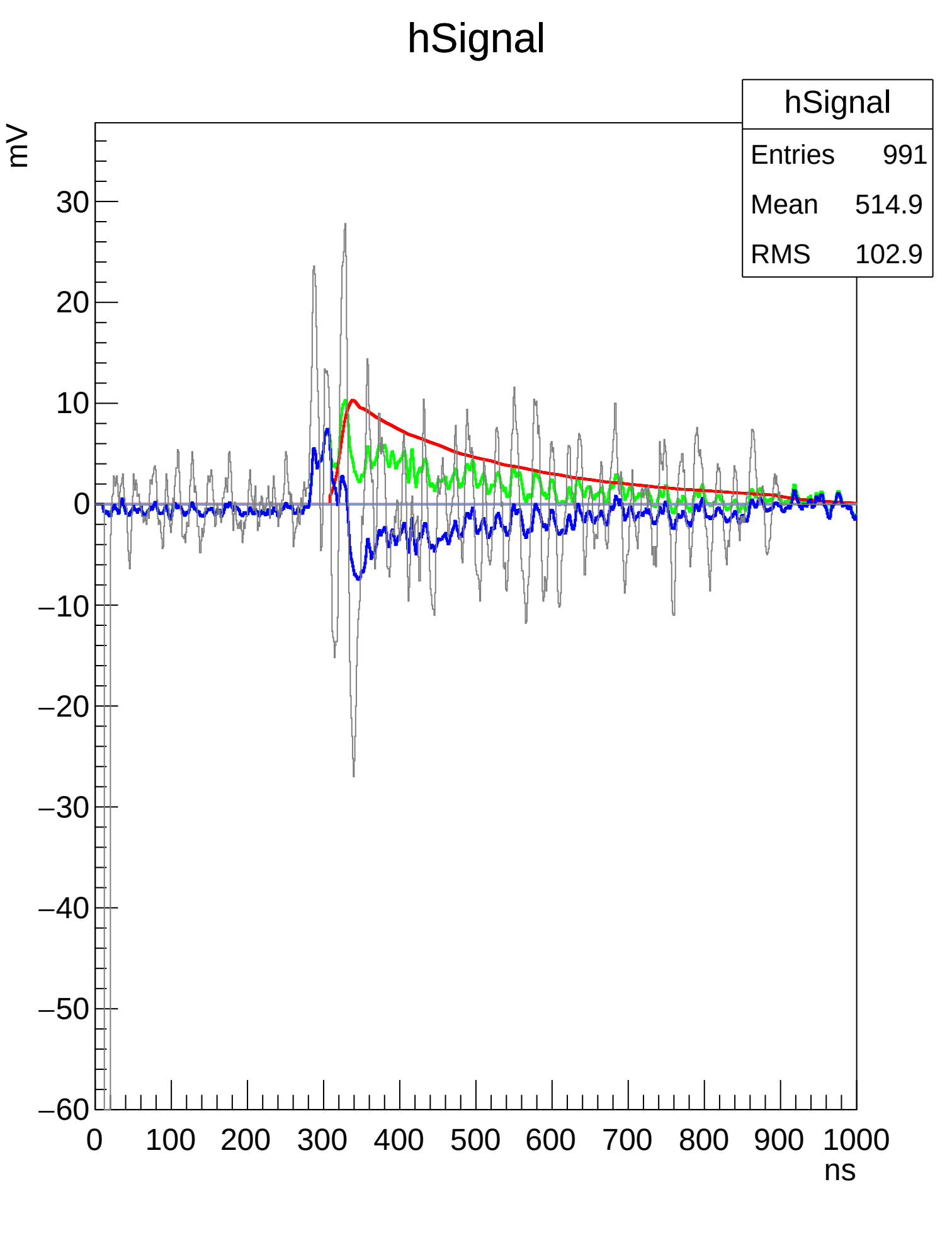
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488
RMS 171.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.9
RMS 102.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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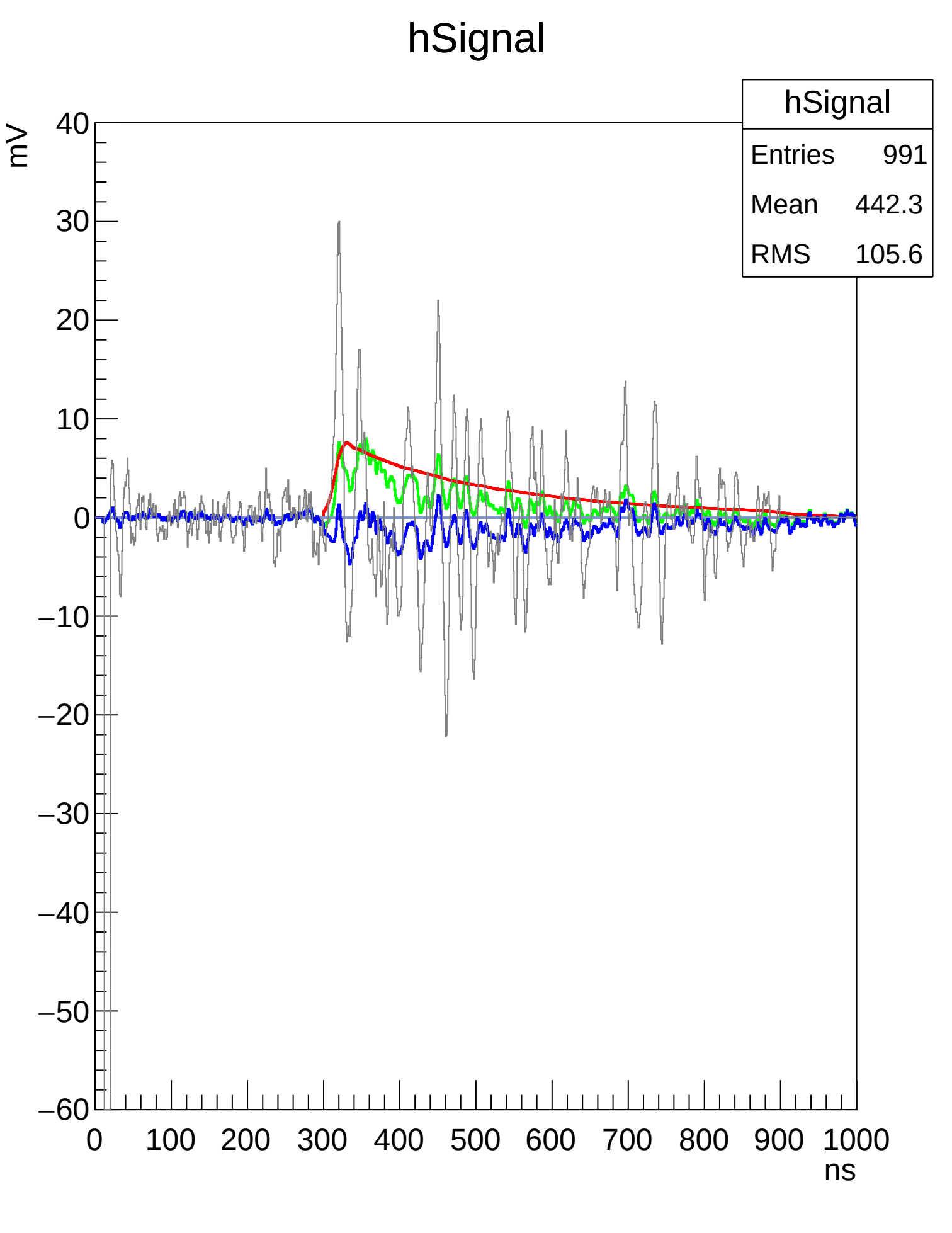
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 442.3
RMS 105.6
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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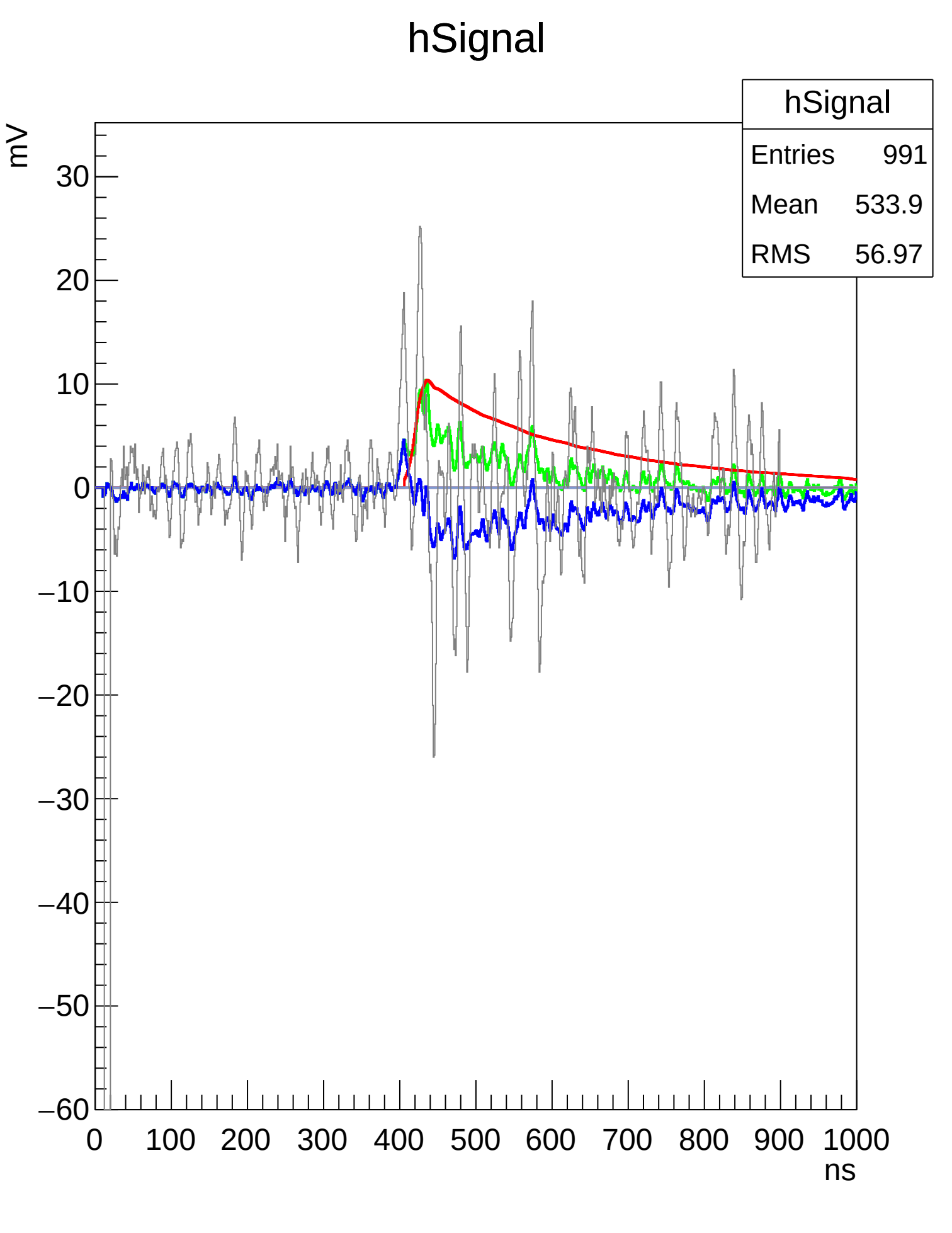
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.9
RMS 56.97
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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800
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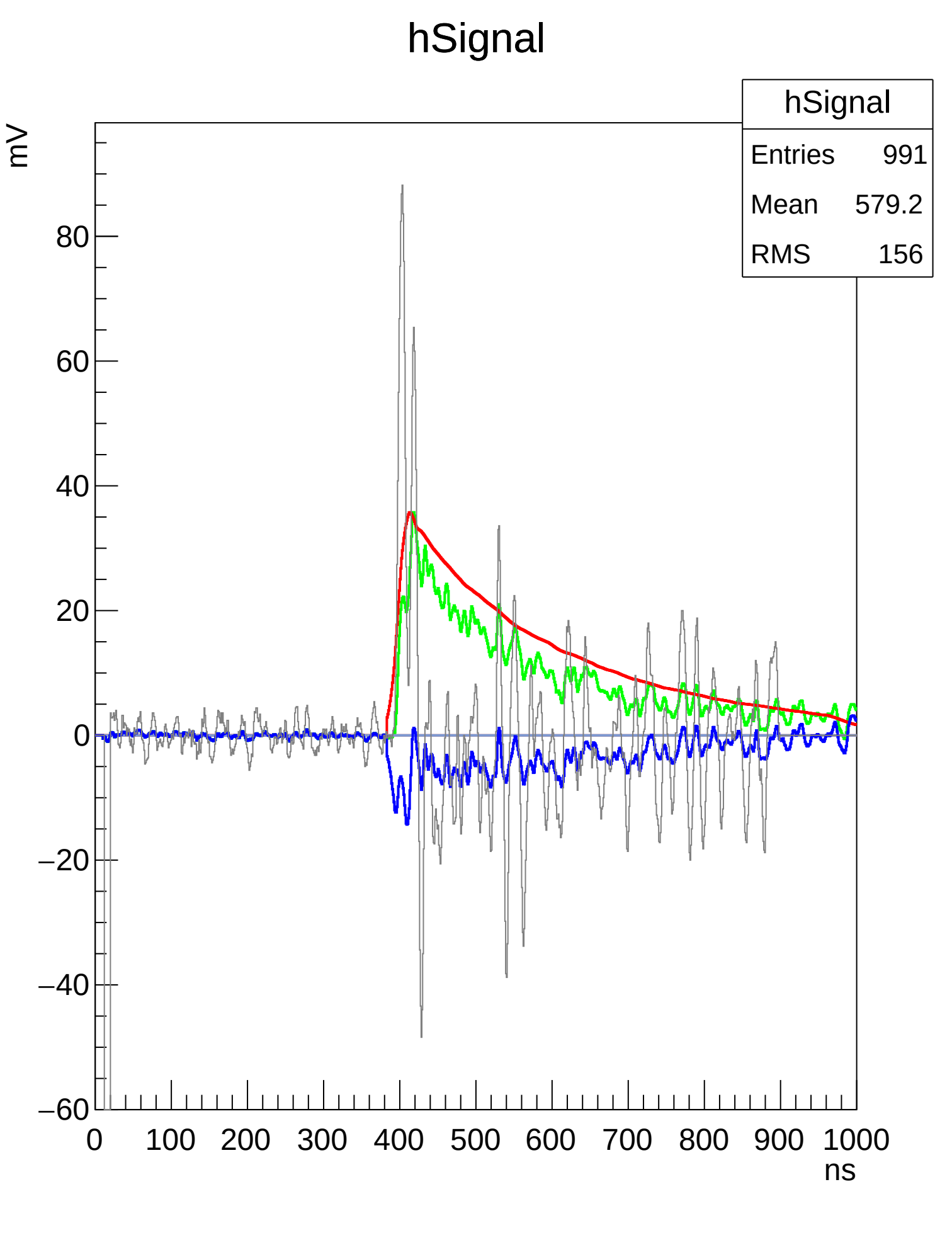
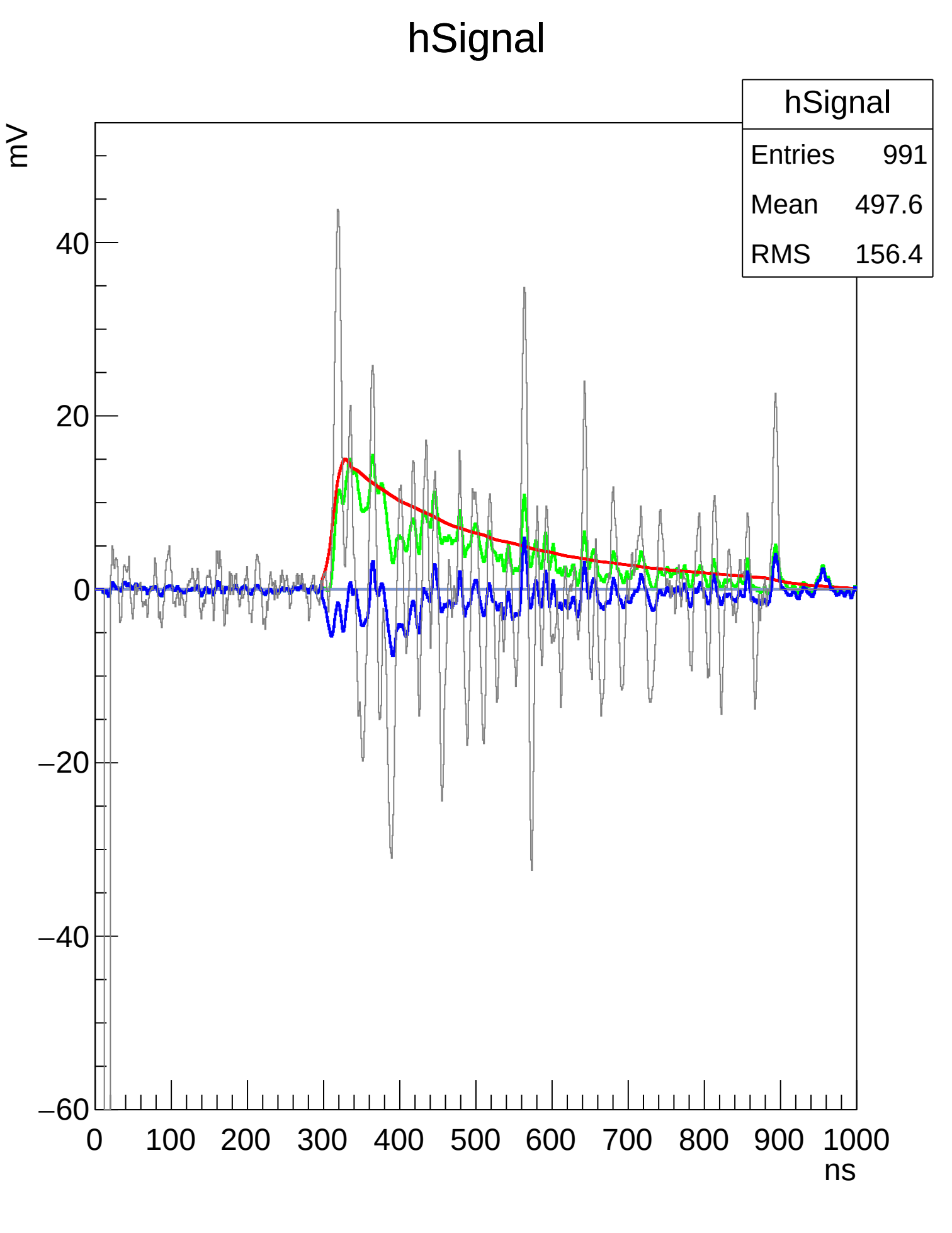
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 156
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.6
RMS 156.4
mV
40
20
0
−20
−40
−60
0
100
200
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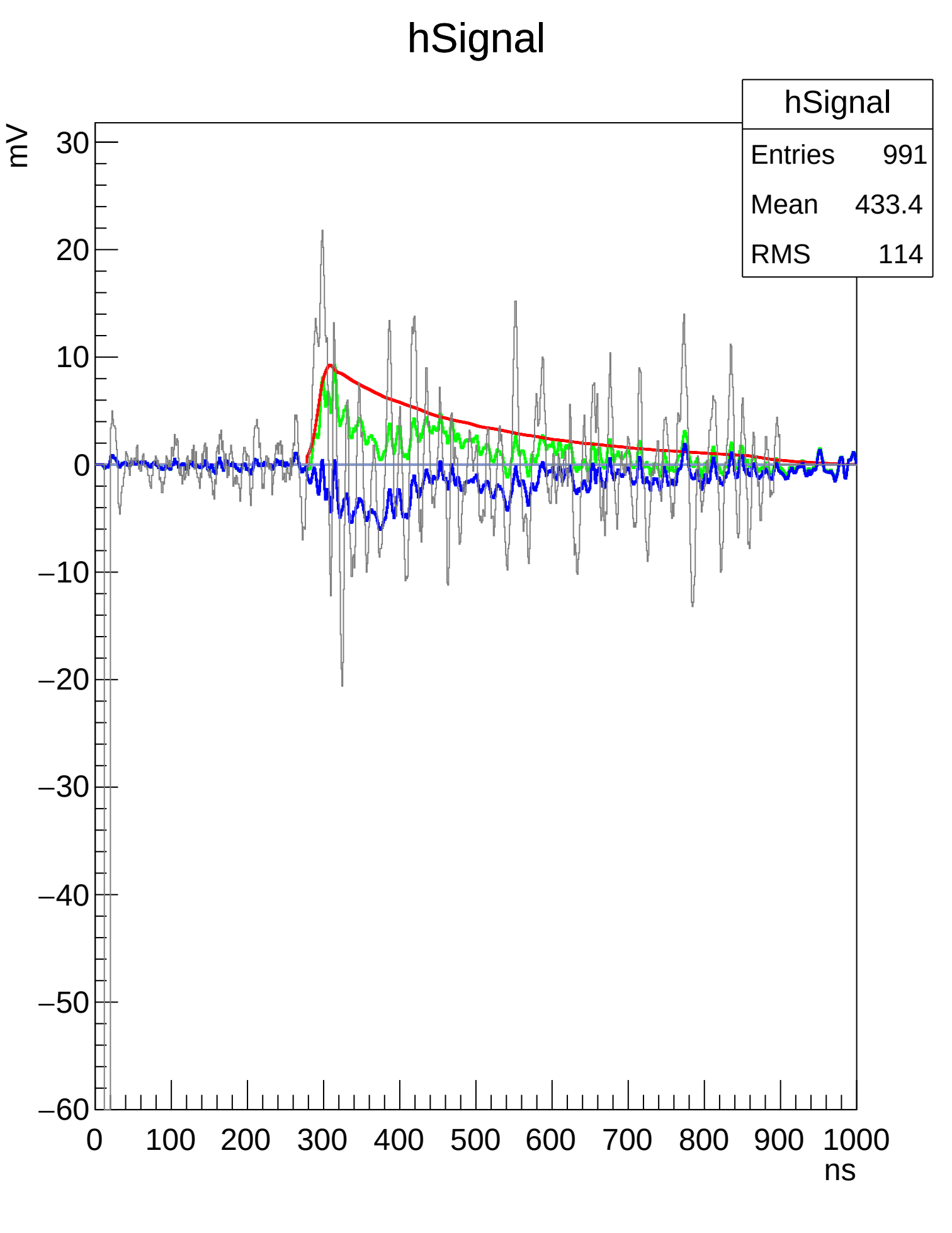
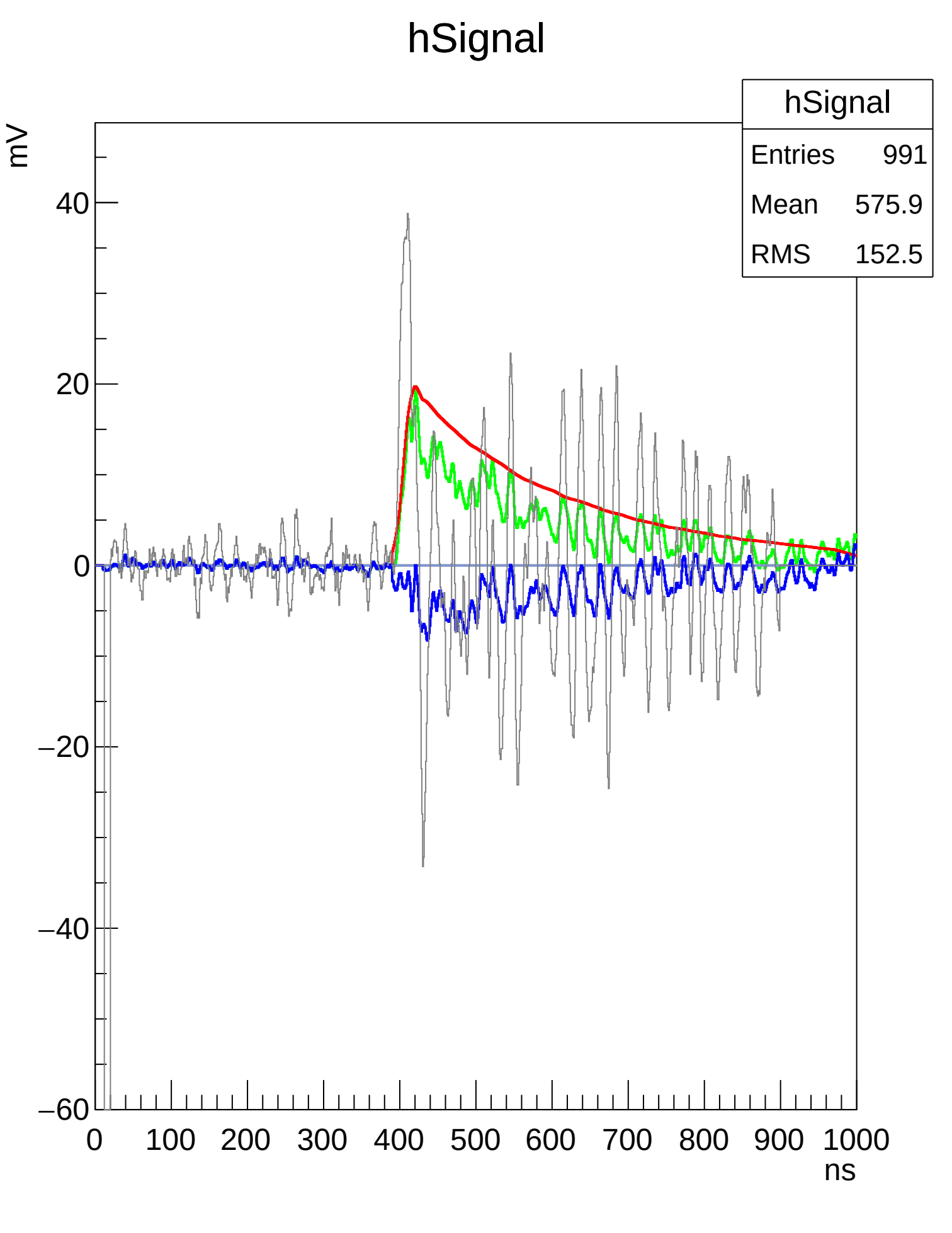
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 433.4
RMS 114
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 152.5
mV
40
20
0
−20
−40
−60
0
100
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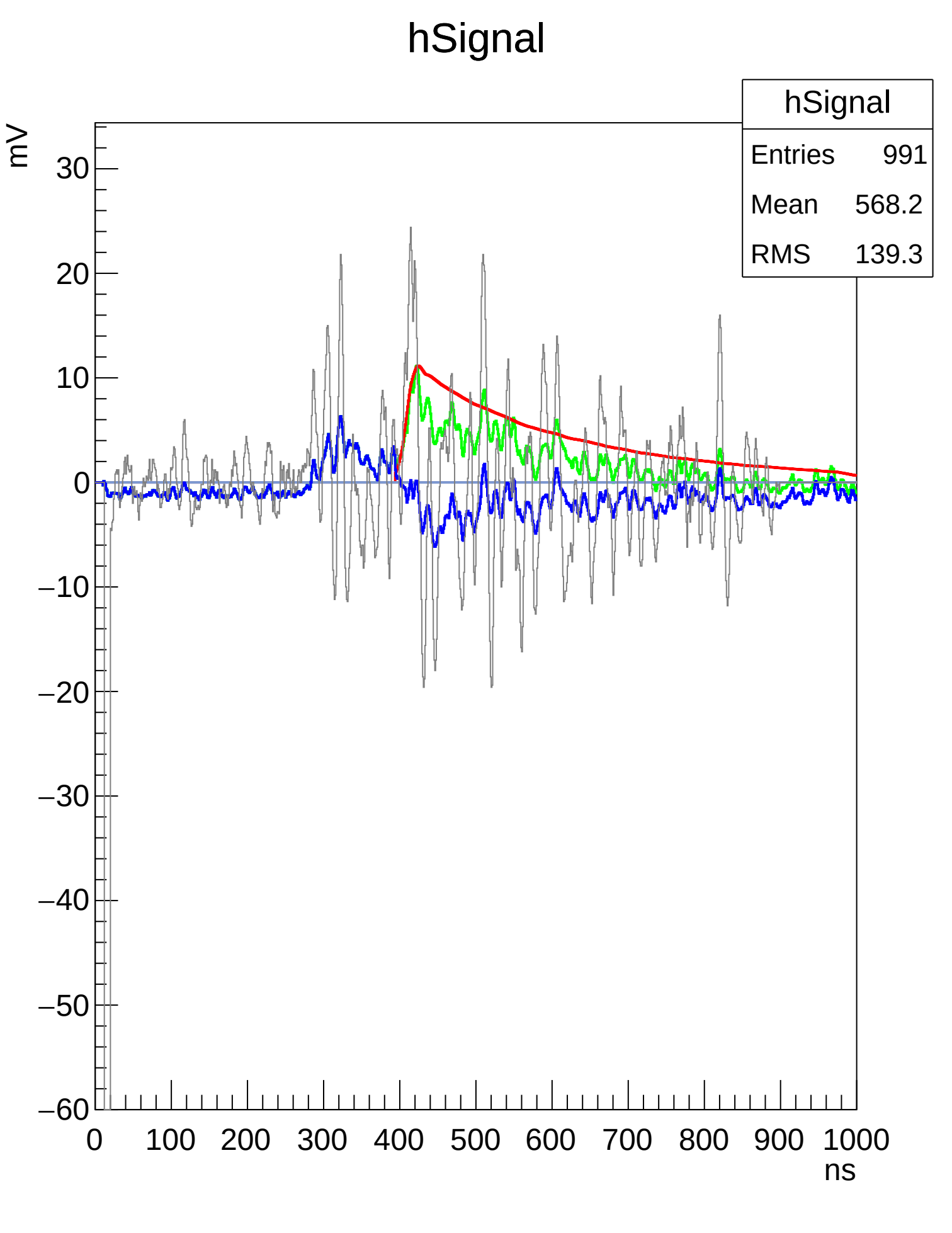
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.2
RMS 139.3
mV
30
20
10
0
−10
−20
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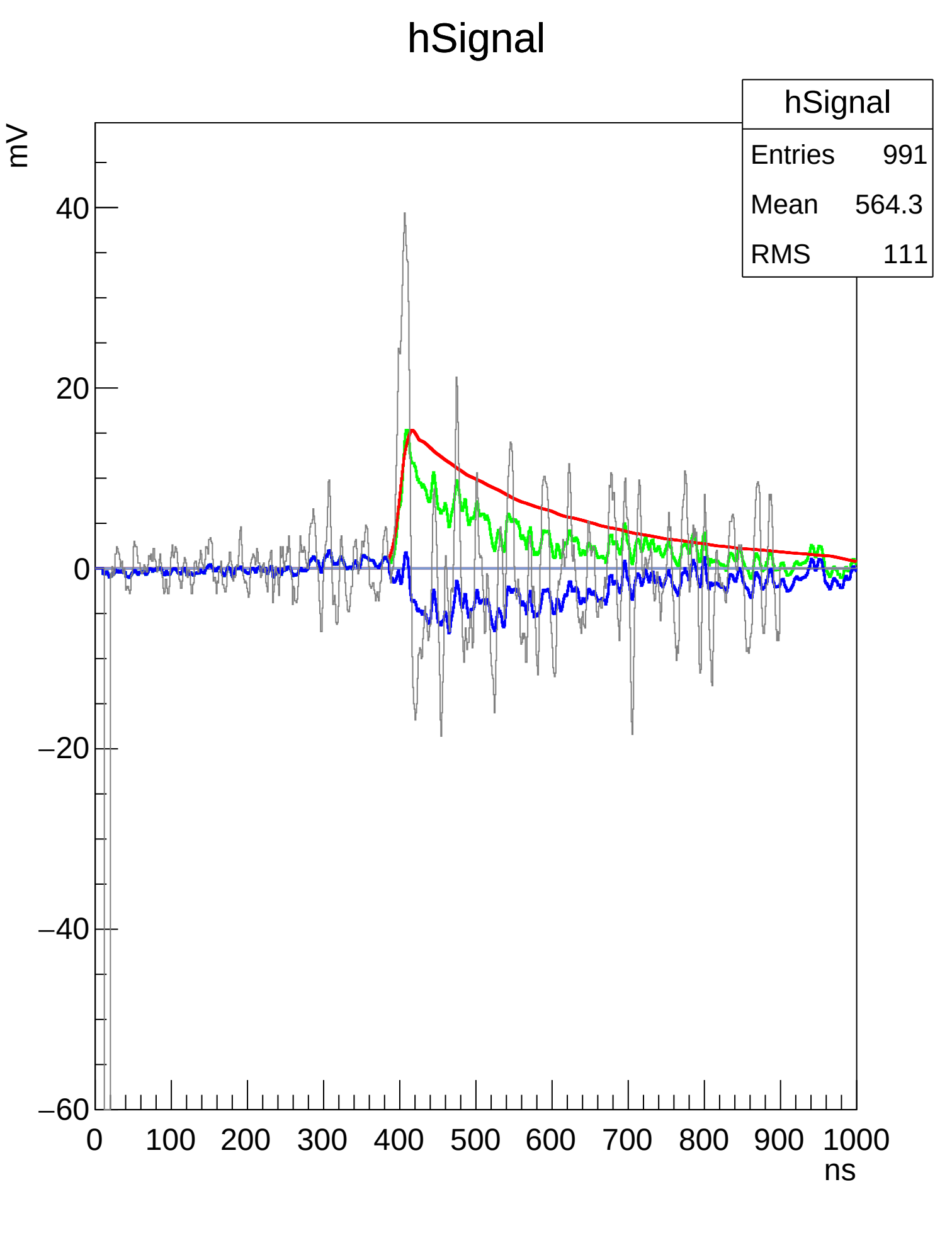
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.3
RMS 111
mV
40
20
0
−20
−40
−60
0
100
200
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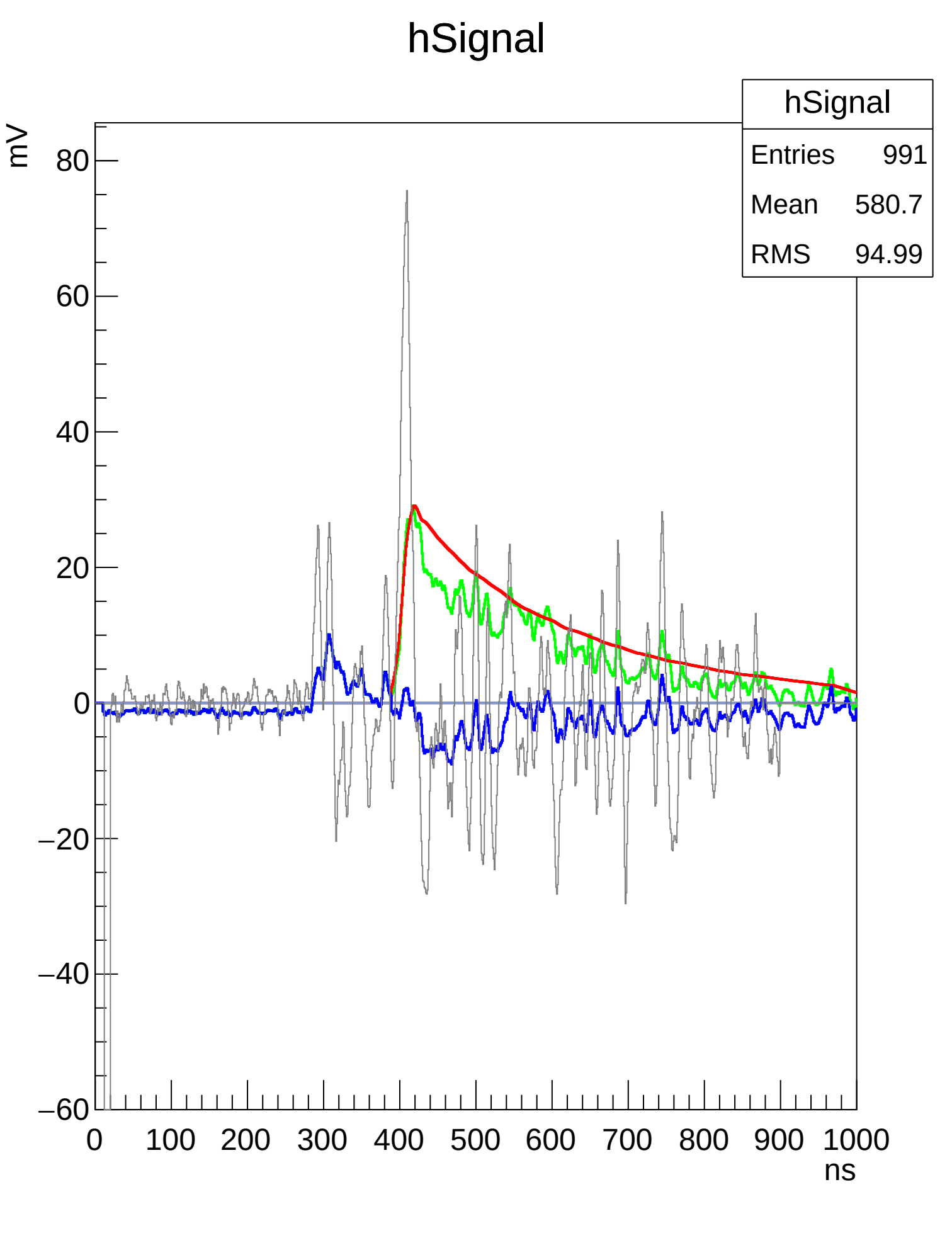
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.7
RMS 94.99
mV
80
60
40
20
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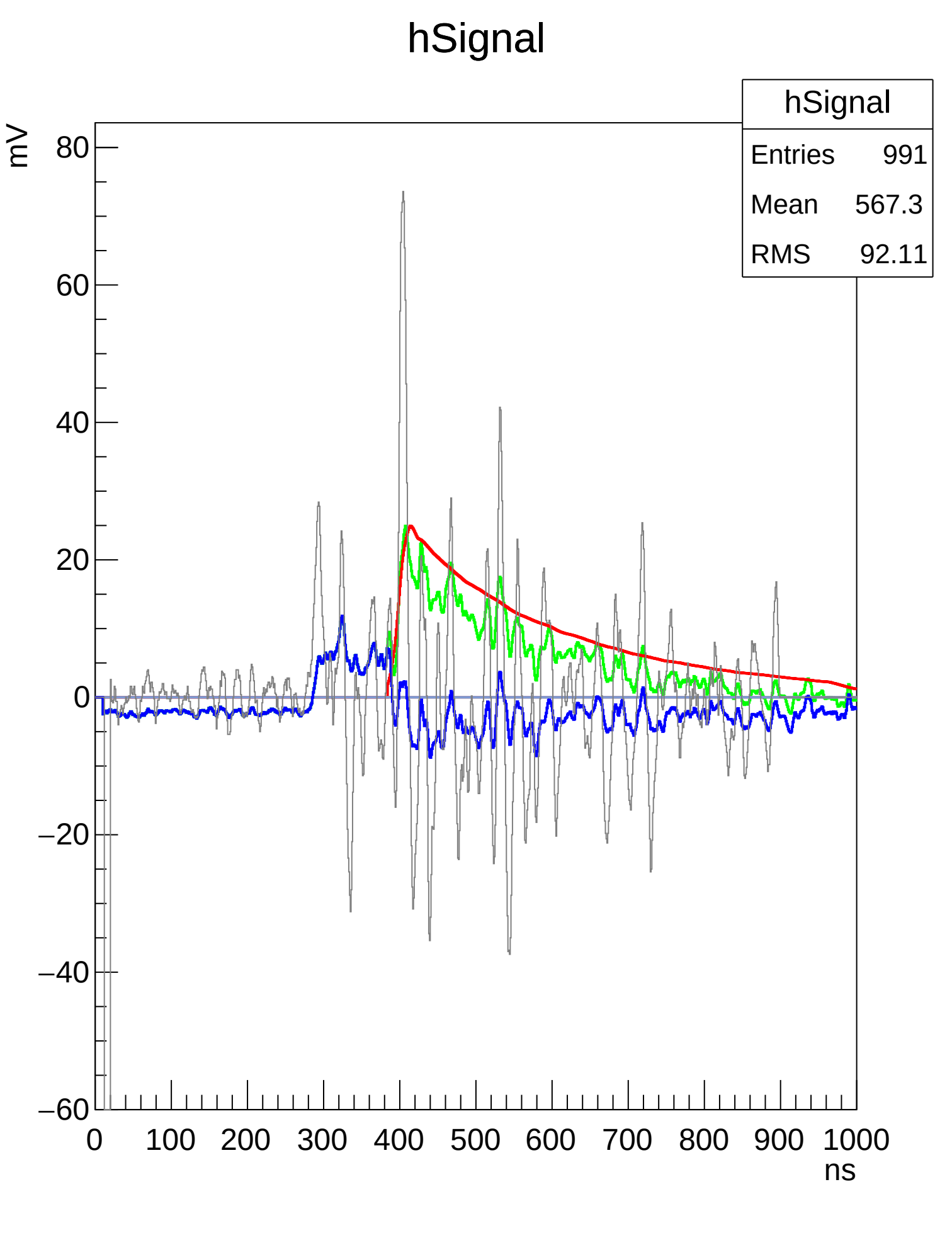
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.3
RMS 92.11
mV
80
60
40
20
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−20
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100
200
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400
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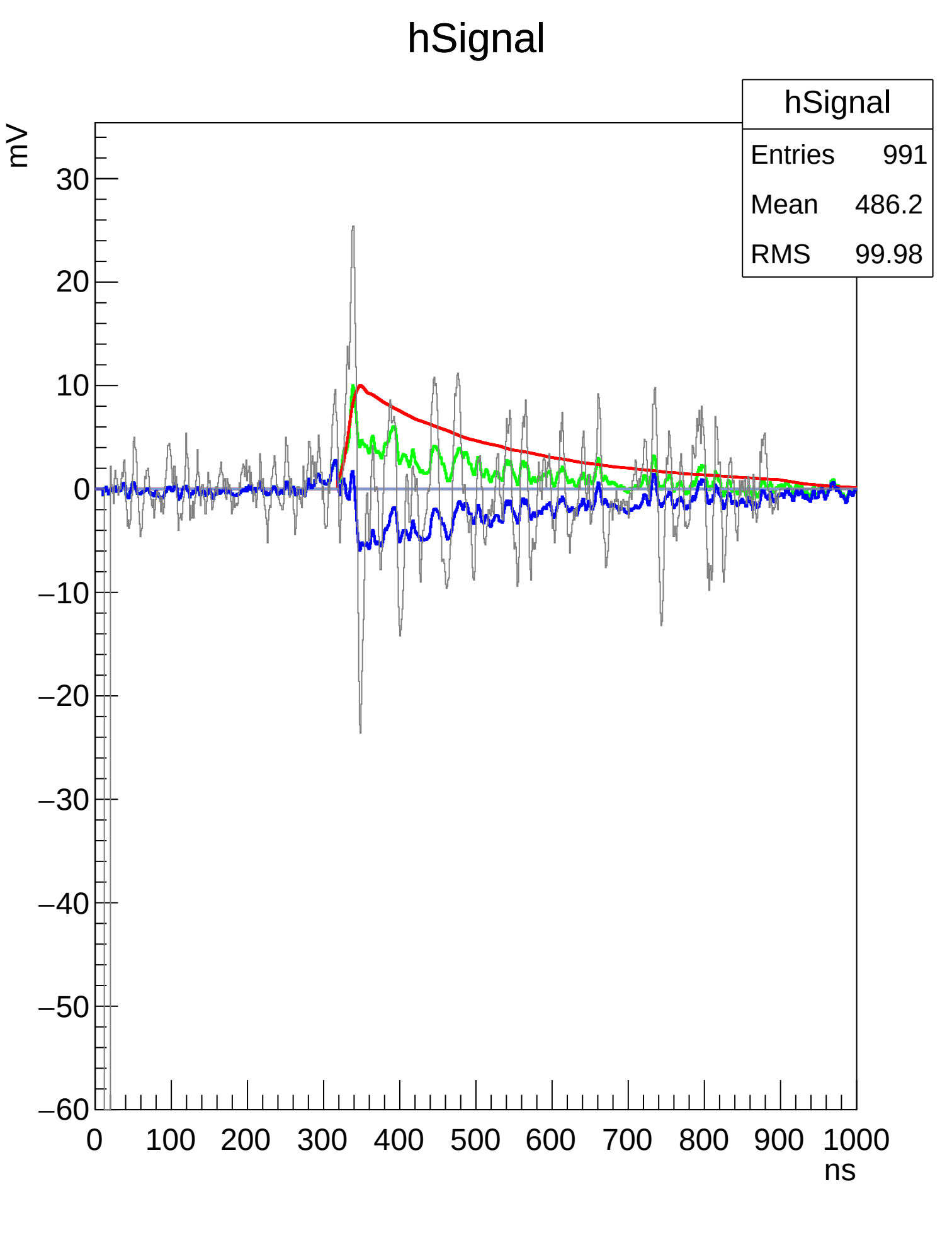
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.2
RMS 99.98
mV
30
20
10
0
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−40
−50
−60
0
100
200
300
400
500
600
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800
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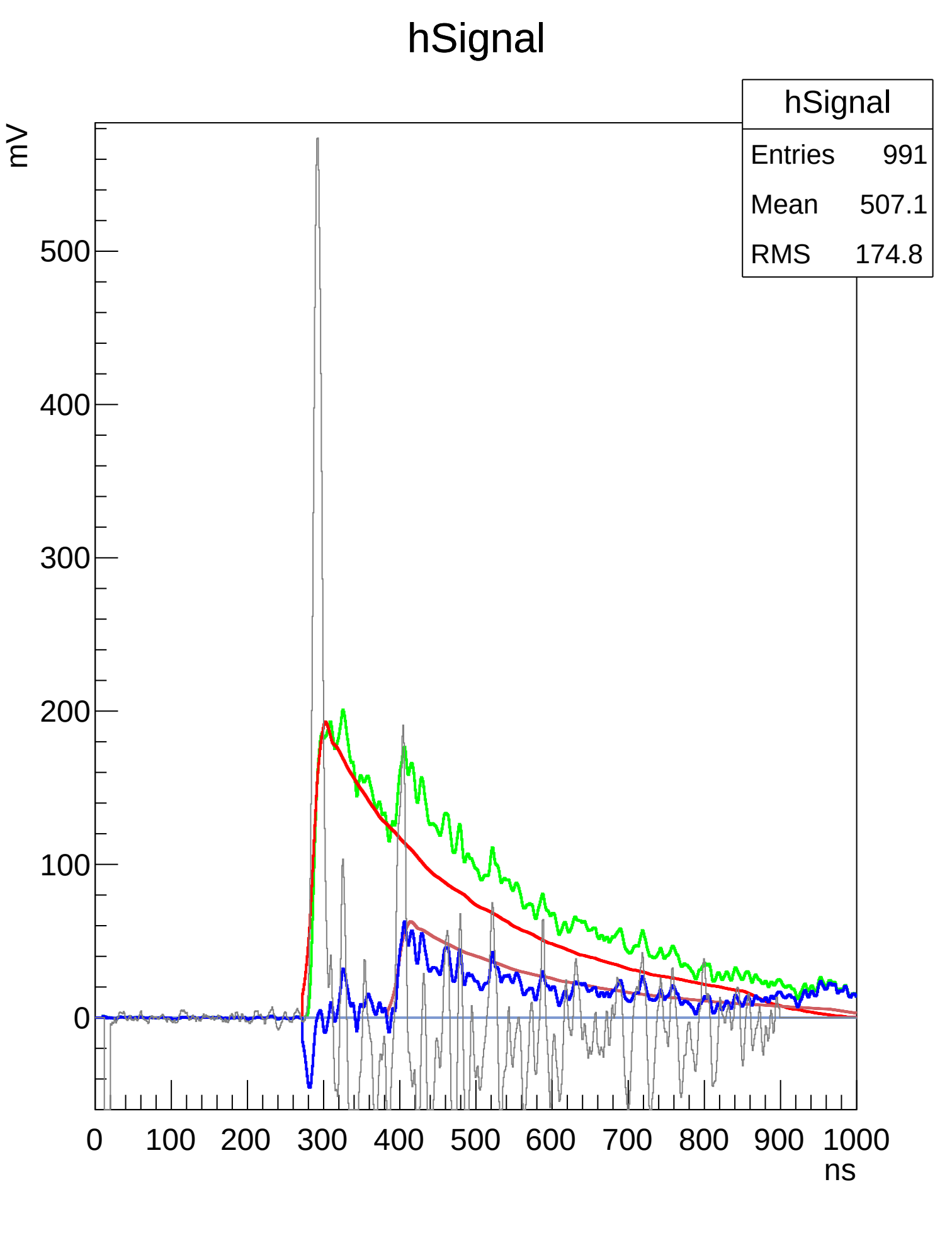
1000
ns


hSignal
hSignal
Entries 991
Mean 507.1
RMS 174.8
mV
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400
300
200
100
0
0
100
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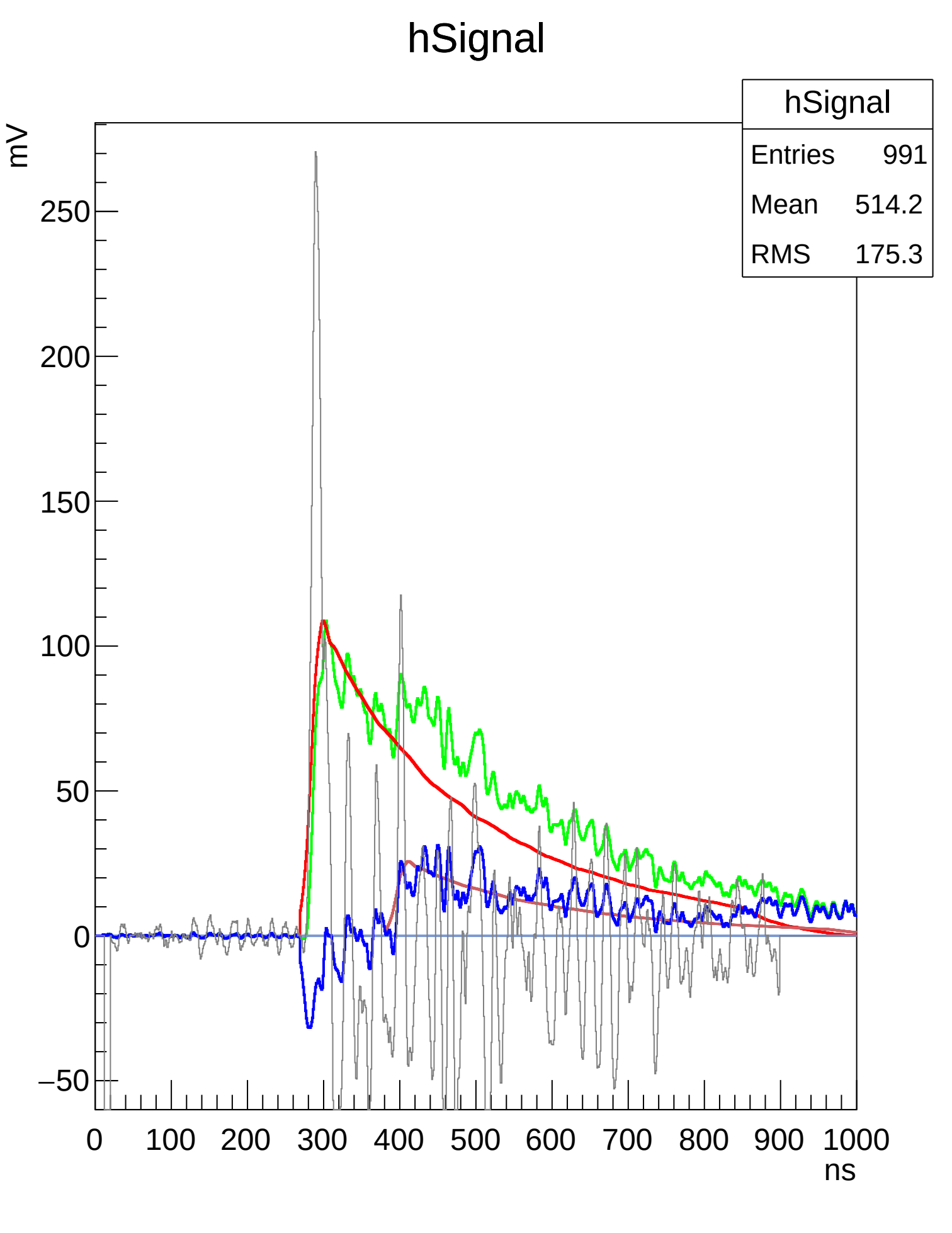
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.2
RMS 175.3
mV
250
200
150
100
50
0
−50
0
100
200
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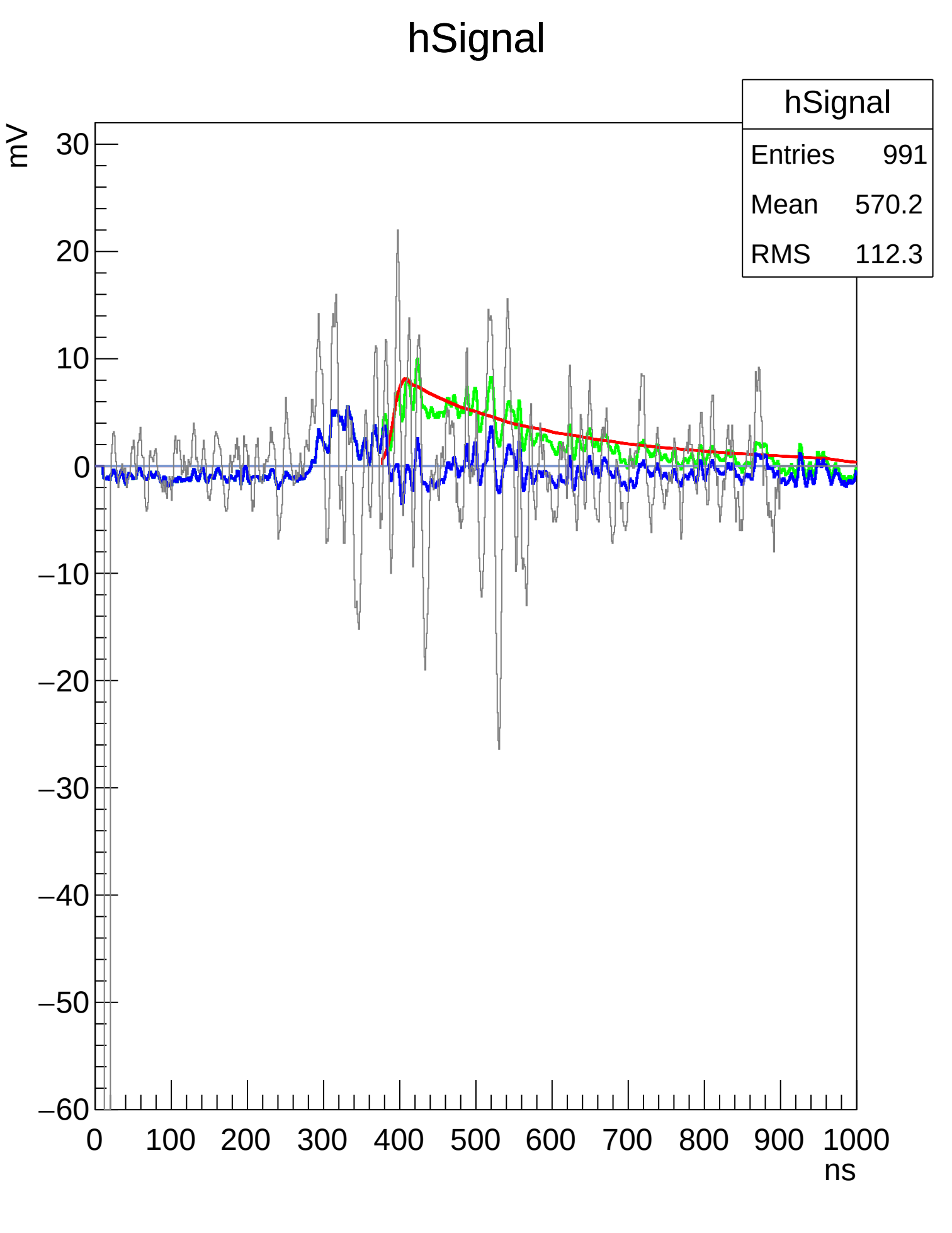
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.2
RMS 112.3
mV
30
20
10
0
−10
−20
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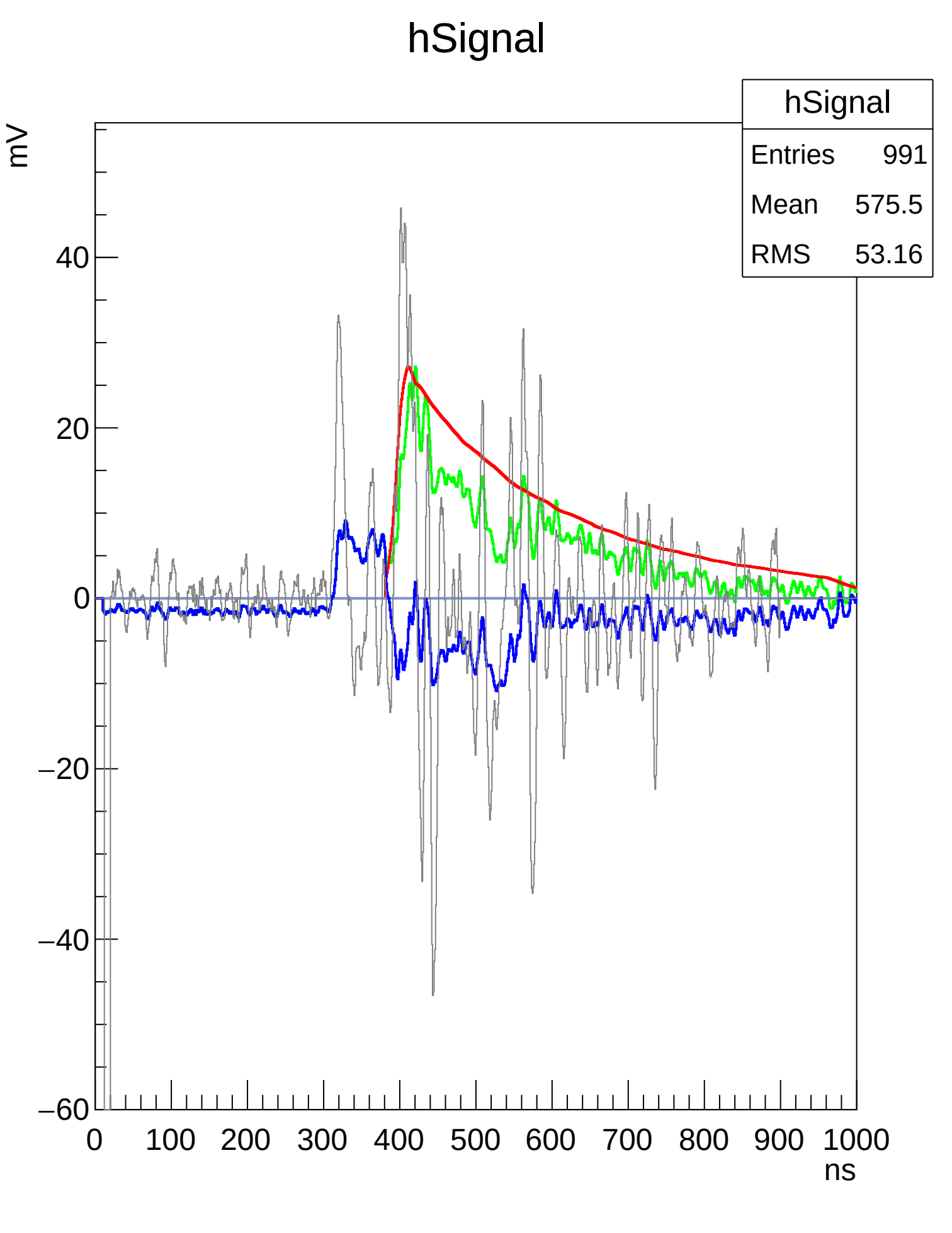
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.5
RMS 53.16
mV
40
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0
−20
−40
−60
0
100
200
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400
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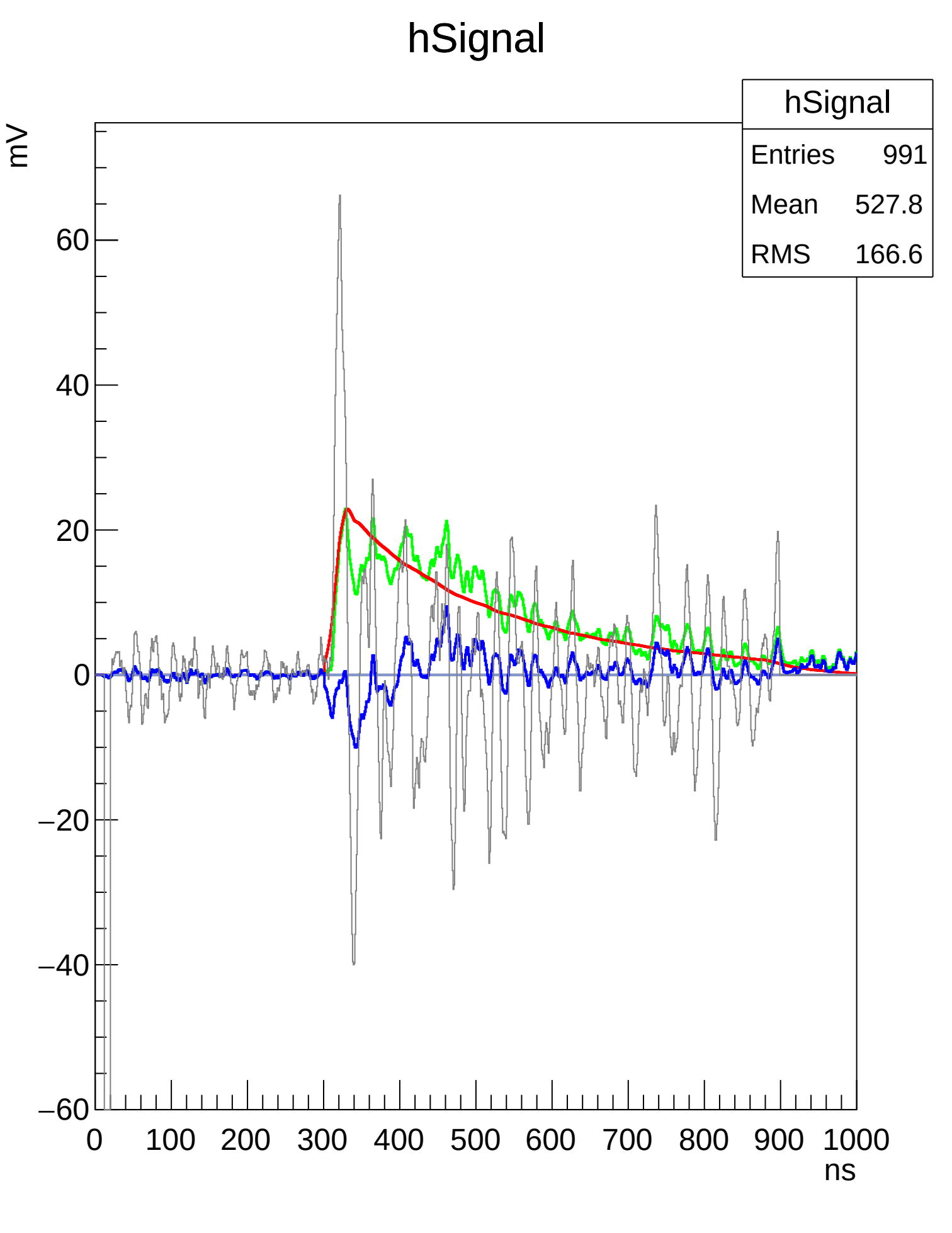
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.8
RMS 166.6
mV
60
40
20
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−20
−40
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0
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200
300
400
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800
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1000
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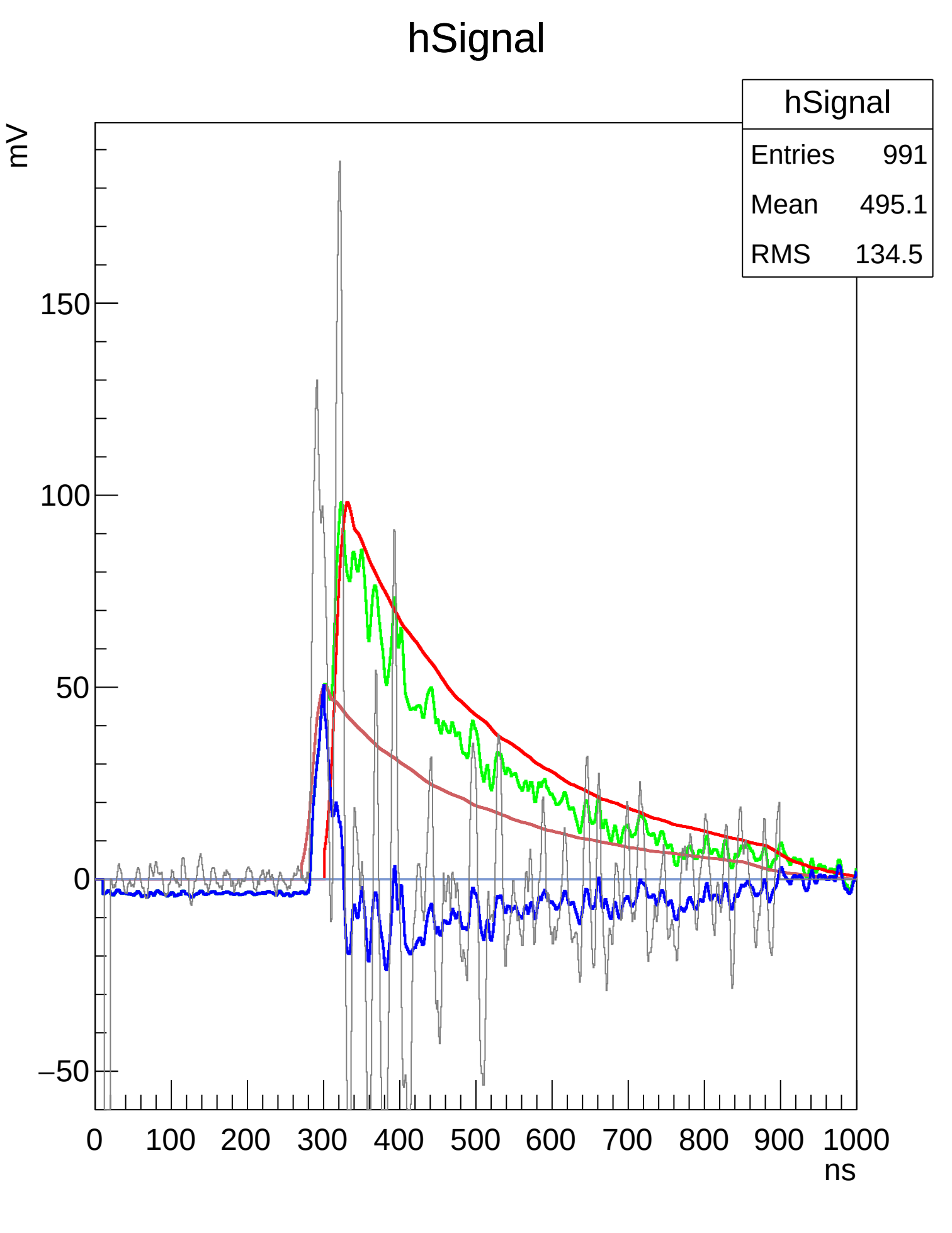
hSignal
hSignal
Entries 991
Mean 495.1
RMS 134.5
mV
150
100
50
0
−50
0
100
200
300
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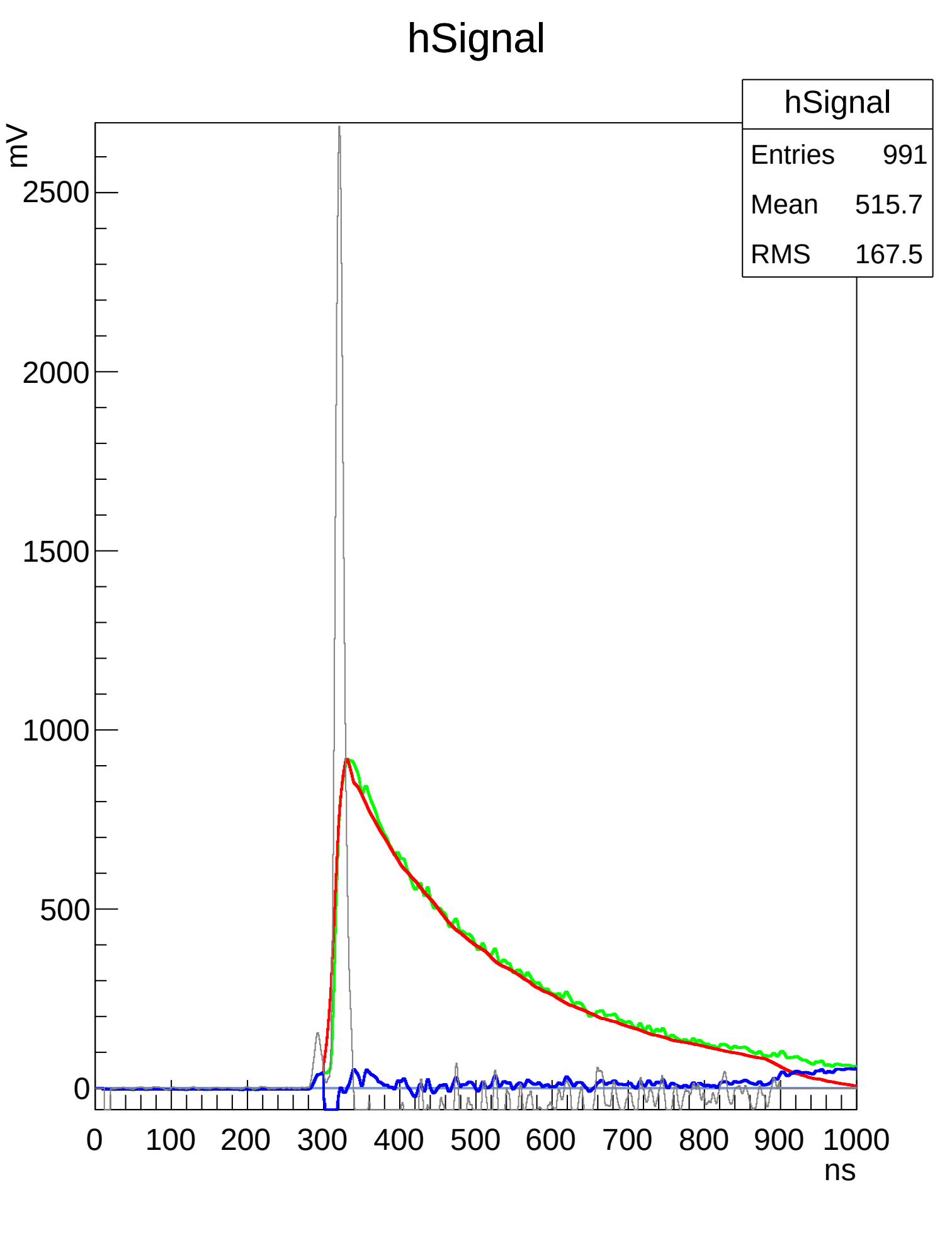
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.7
RMS 167.5
mV
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2000
1500
1000
500
0
0
100
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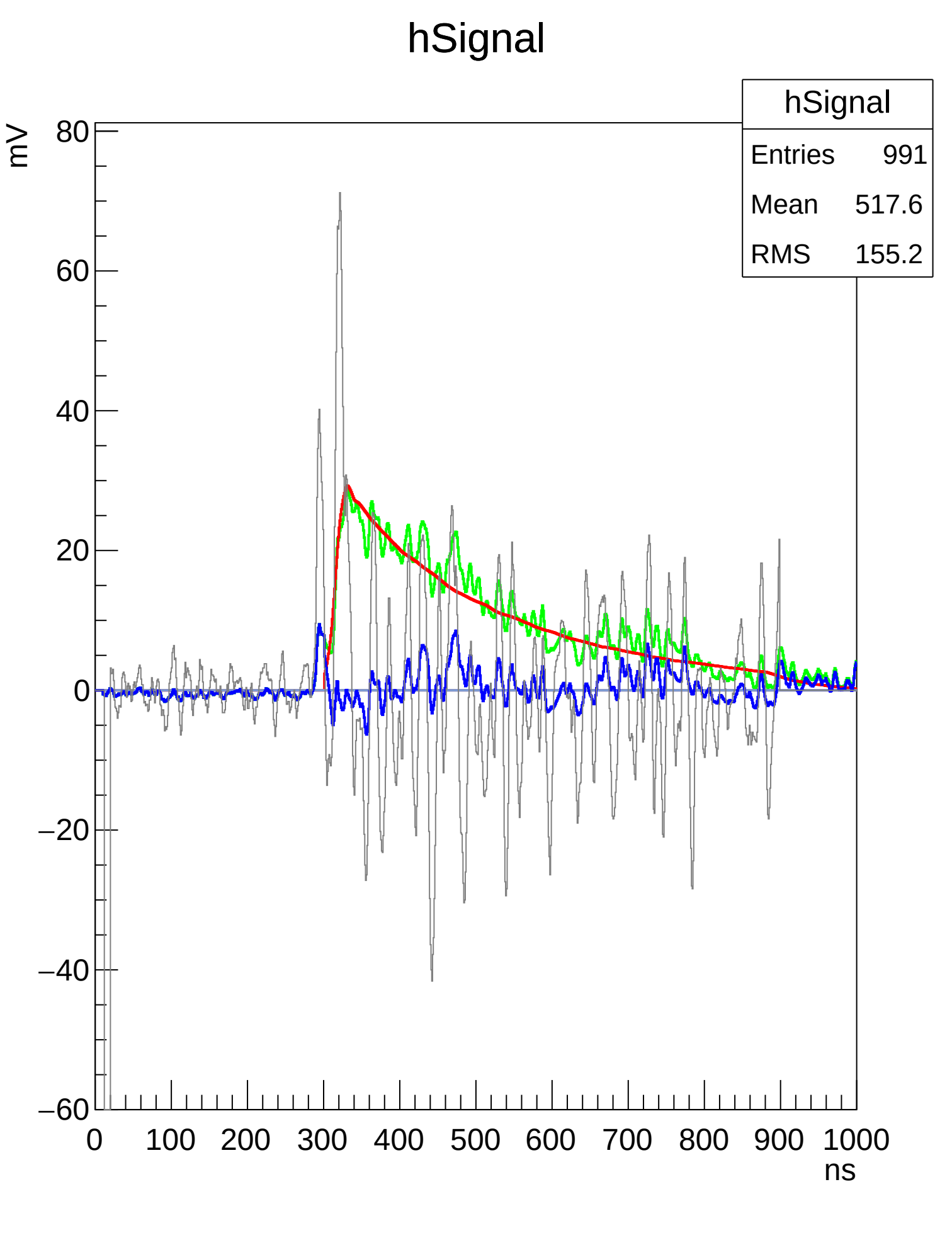
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.6
RMS 155.2
mV
80
60
40
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−20
−40
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800
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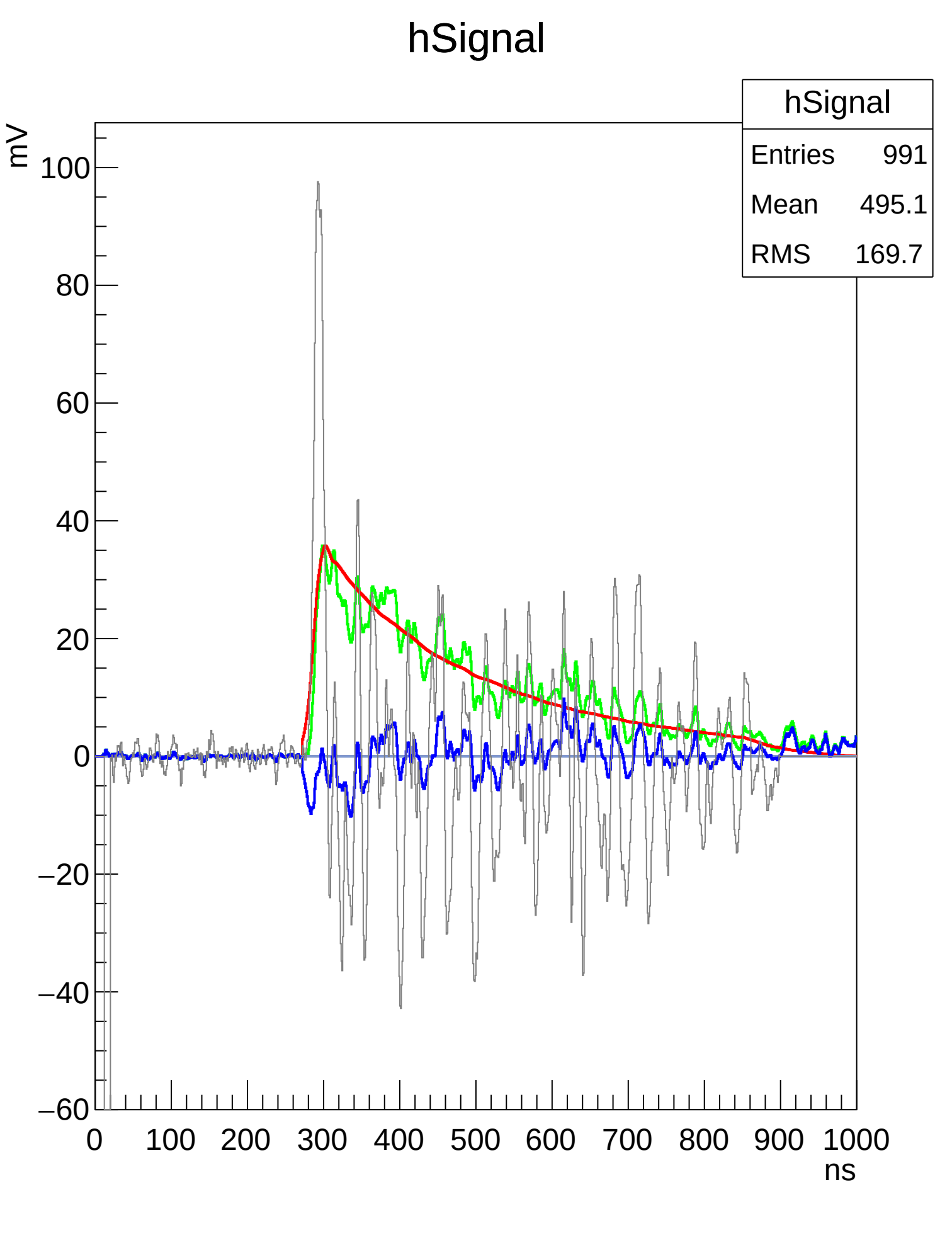
1000
ns


hSignal
hSignal
Entries 991
Mean 495.1
RMS 169.7
mV
100
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60
40
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0
100
200
300
400
500
600
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800
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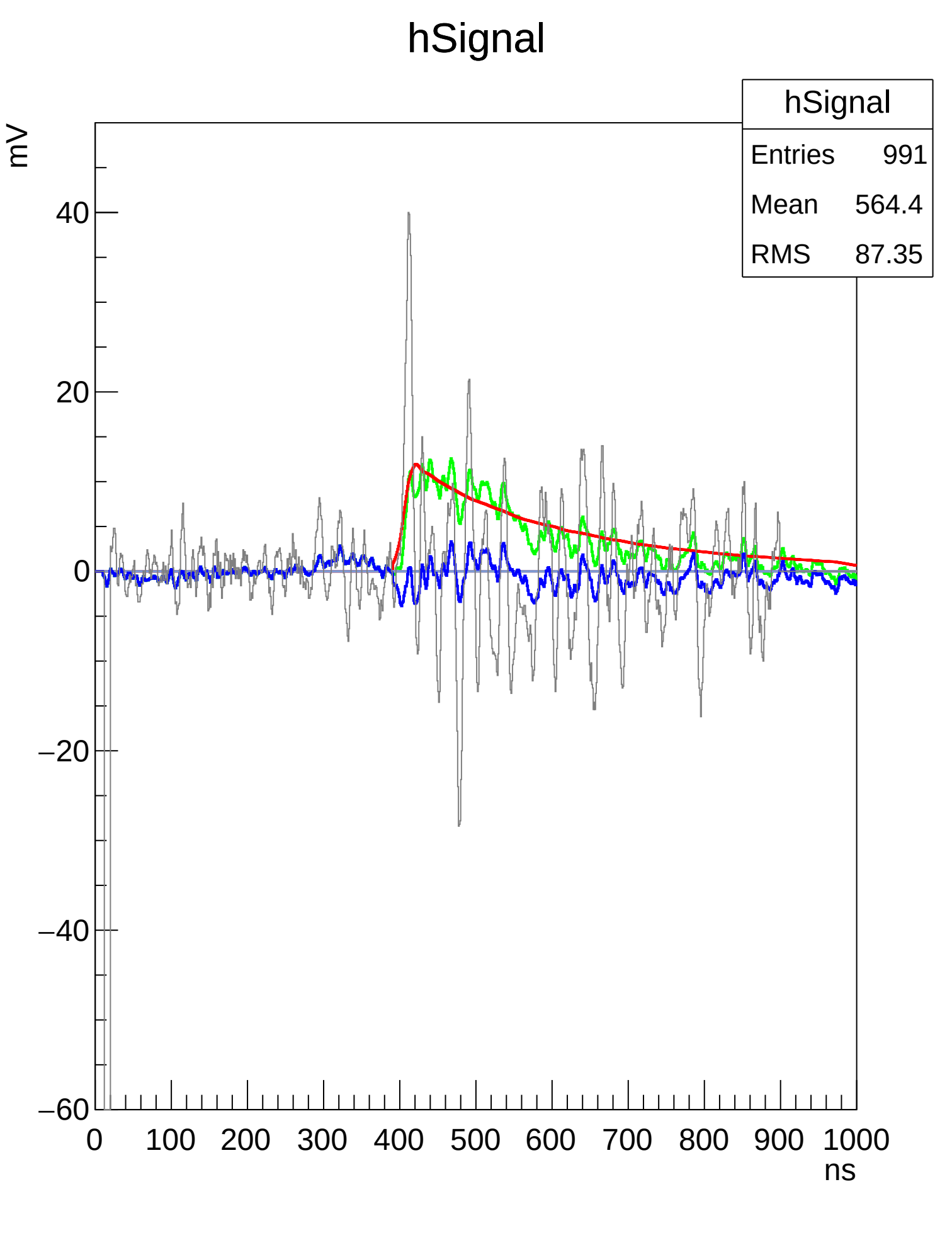
1000
ns


hSignal
hSignal
Entries 991
Mean 564.4
RMS 87.35
mV
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−40
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1000
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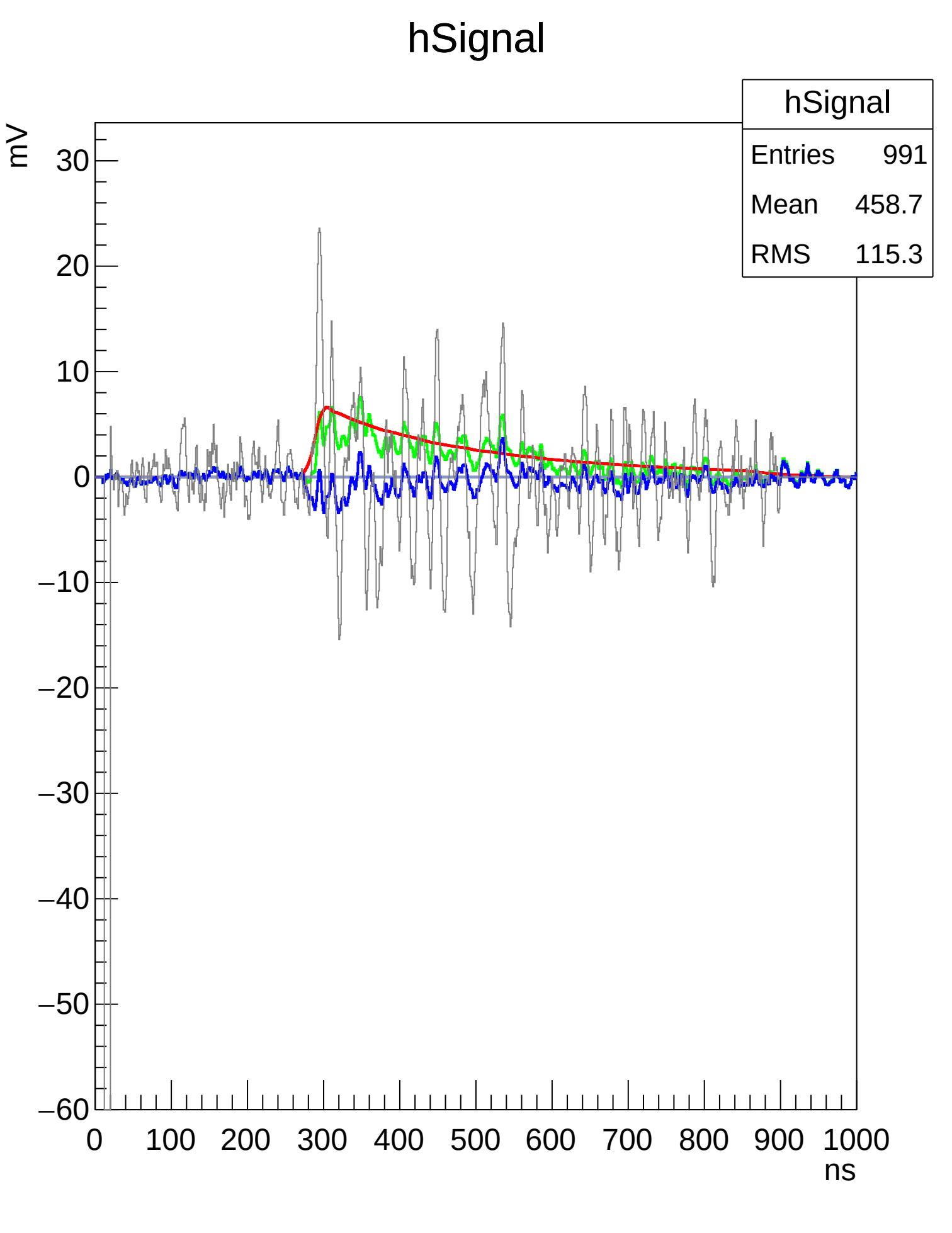
hSignal
hSignal
Entries 991
Mean 458.7
RMS 115.3
mV
30
20
10
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800
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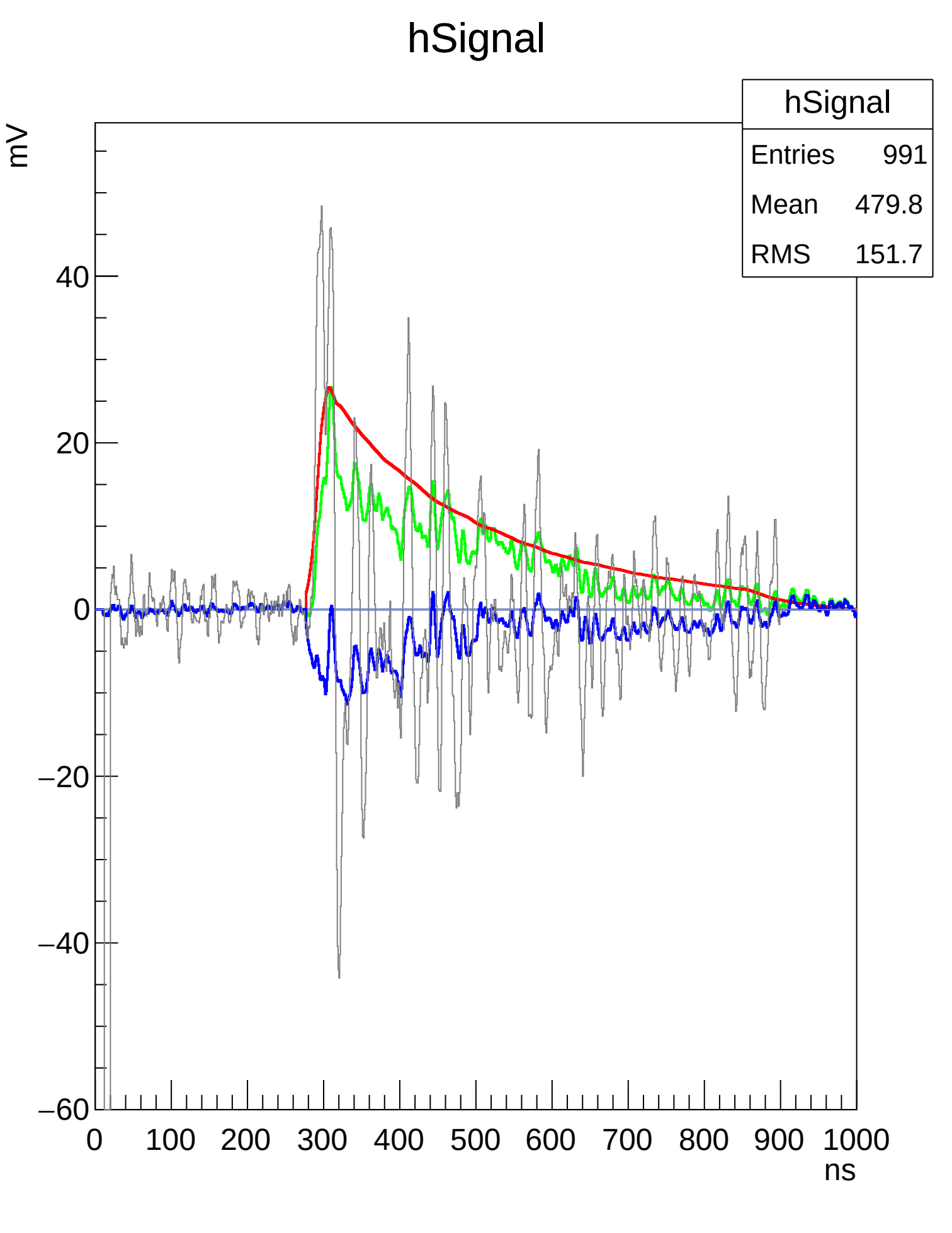
1000
ns


hSignal
hSignal
Entries 991
Mean 479.8
RMS 151.7
mV
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100
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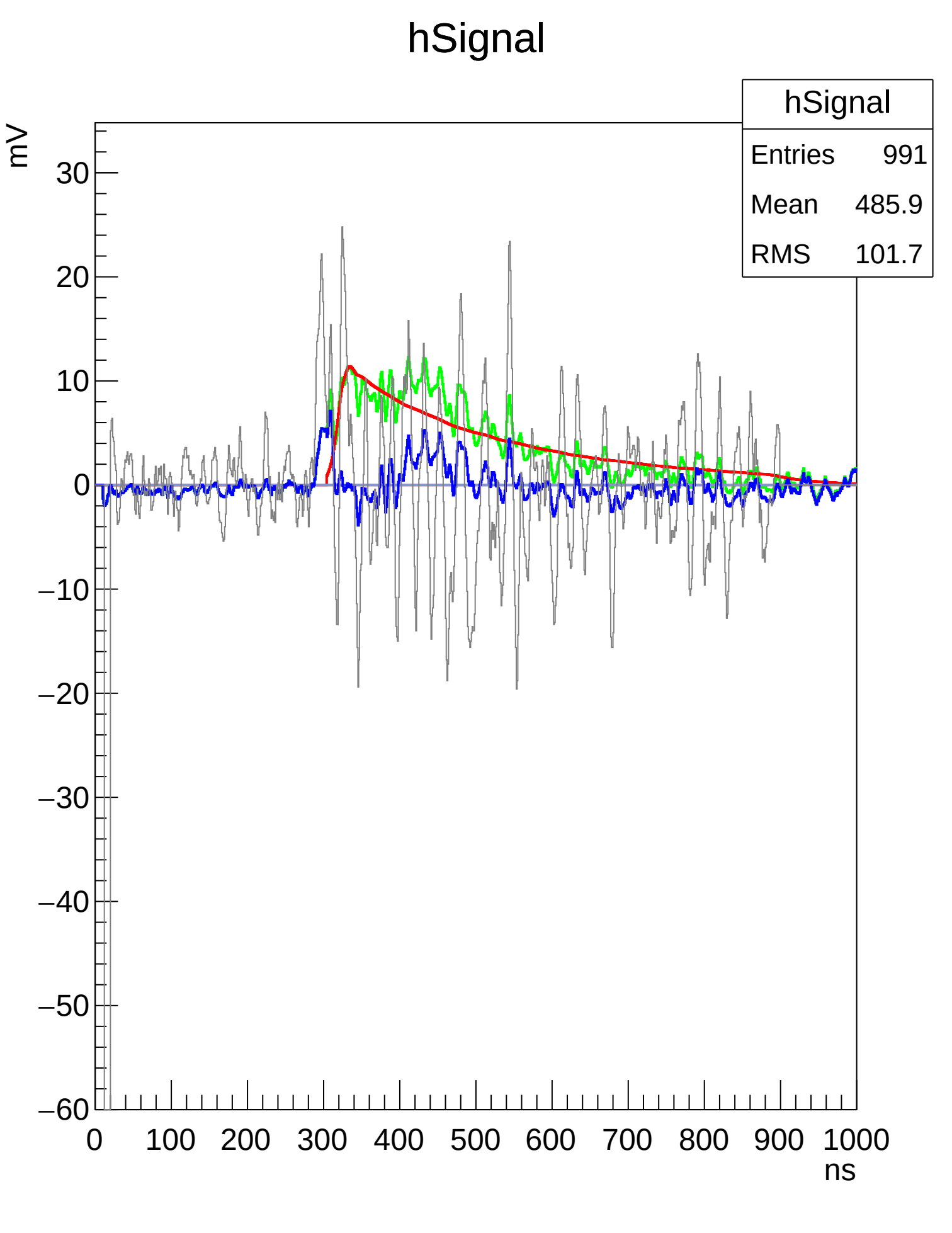
1000
ns


hSignal
hSignal
Entries 991
Mean 485.9
RMS 101.7
mV
30
20
10
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−40
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0
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200
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400
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1000
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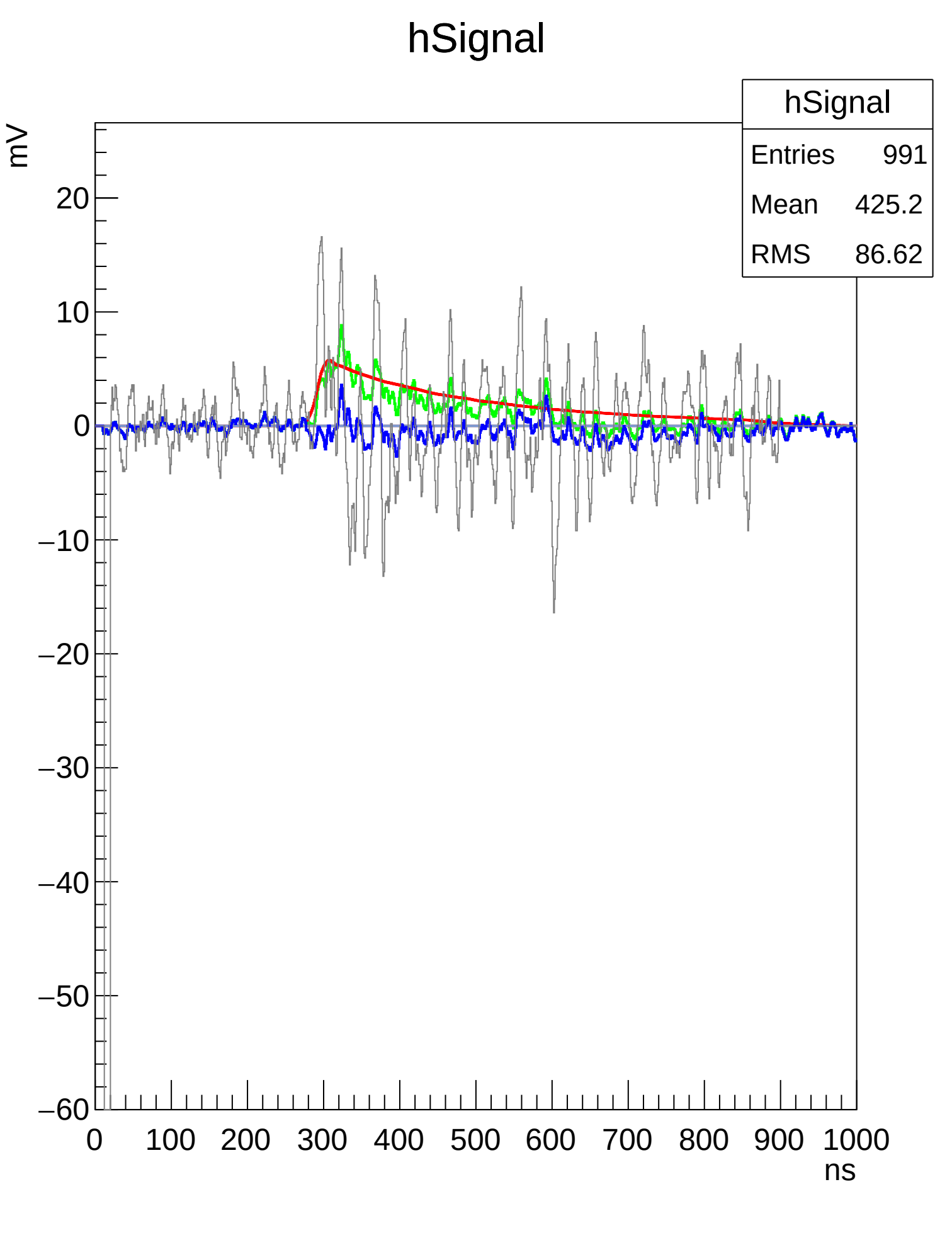
hSignal
hSignal
Entries 991
Mean 425.2
RMS 86.62
mV
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10
0
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−50
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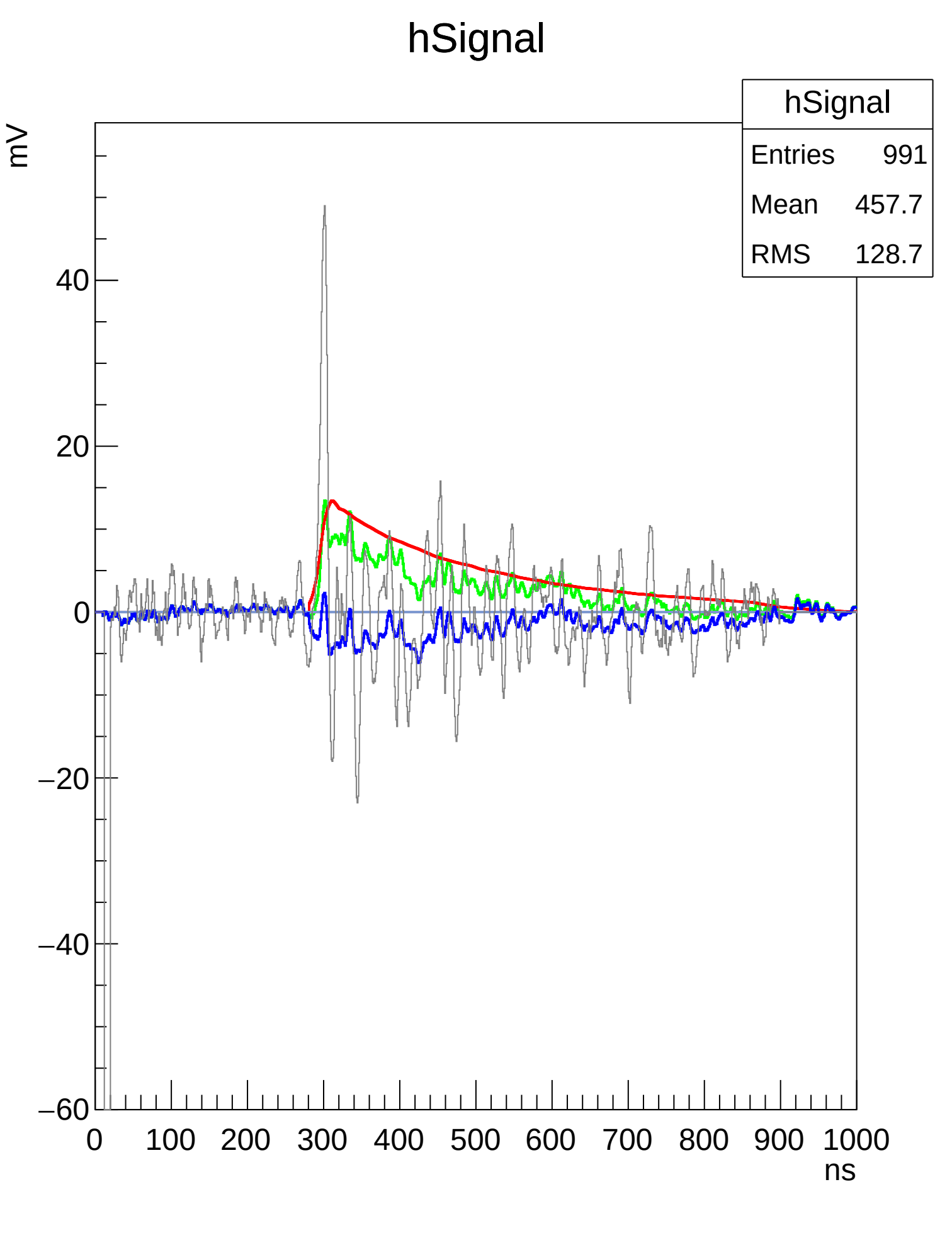
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 457.7
RMS 128.7
mV
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−20
−40
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0
100
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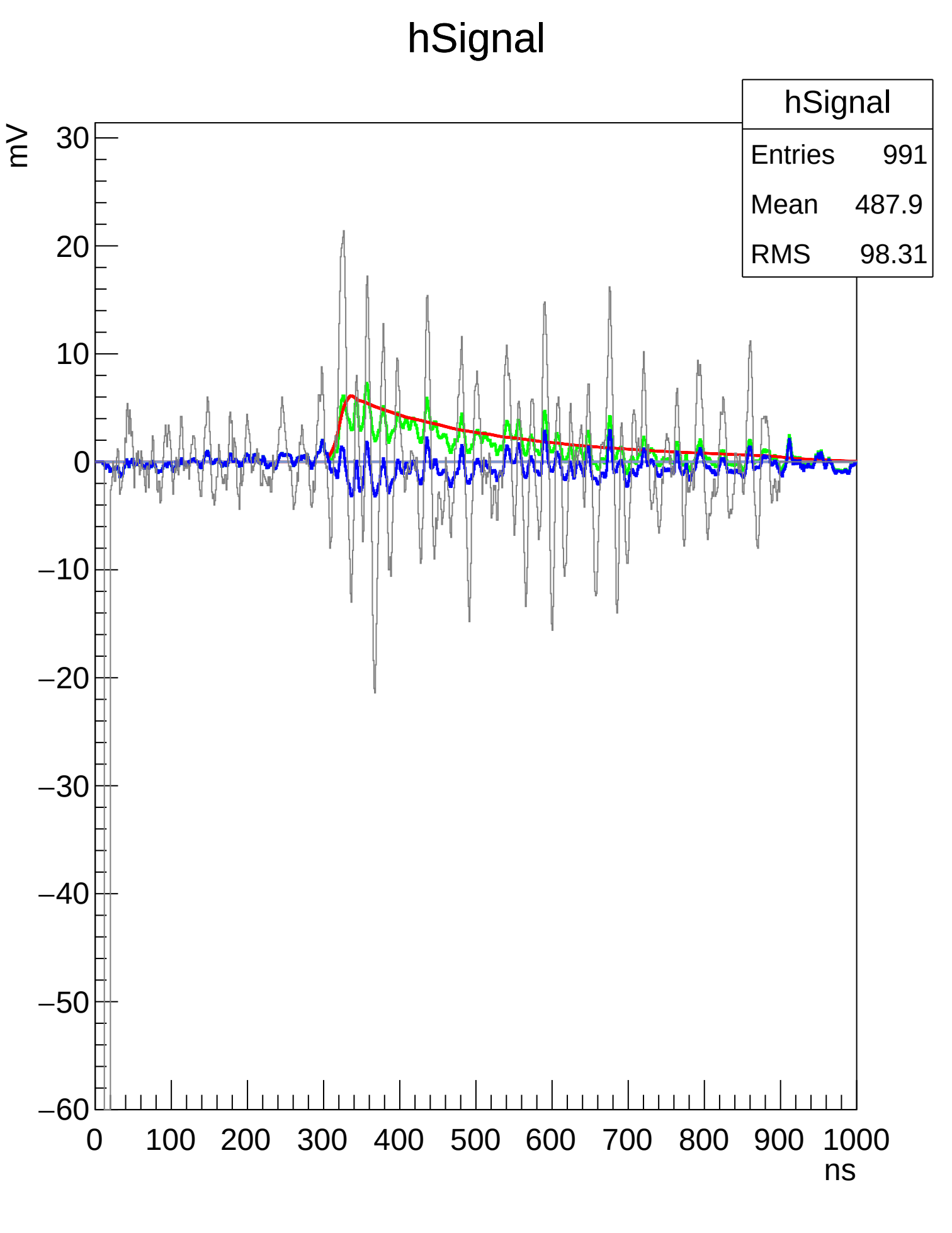
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 487.9
RMS 98.31
mV
30
20
10
0
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0
100
200
300
400
500
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800
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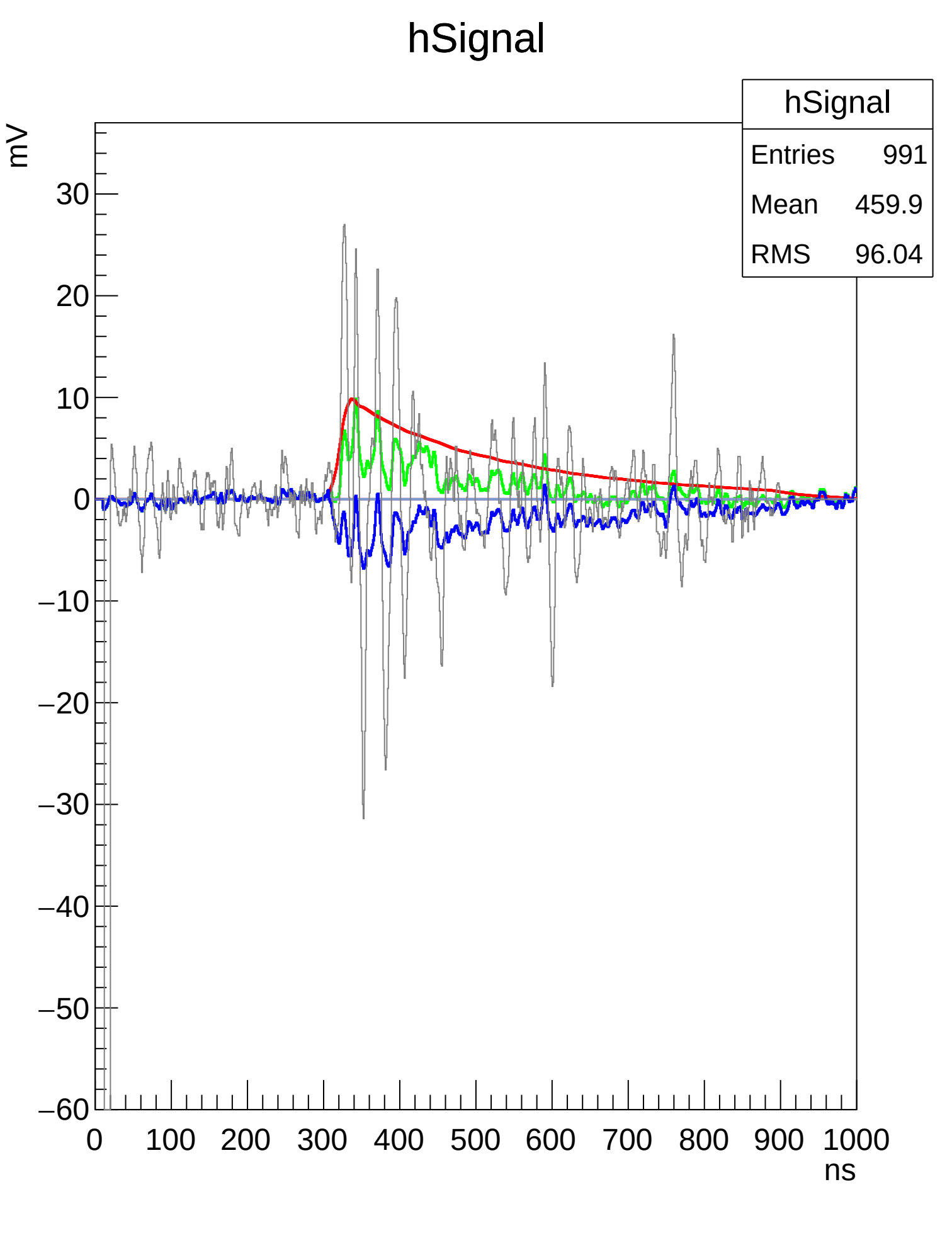
1000
ns


hSignal
hSignal
Entries 991
Mean 459.9
RMS 96.04
mV
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10
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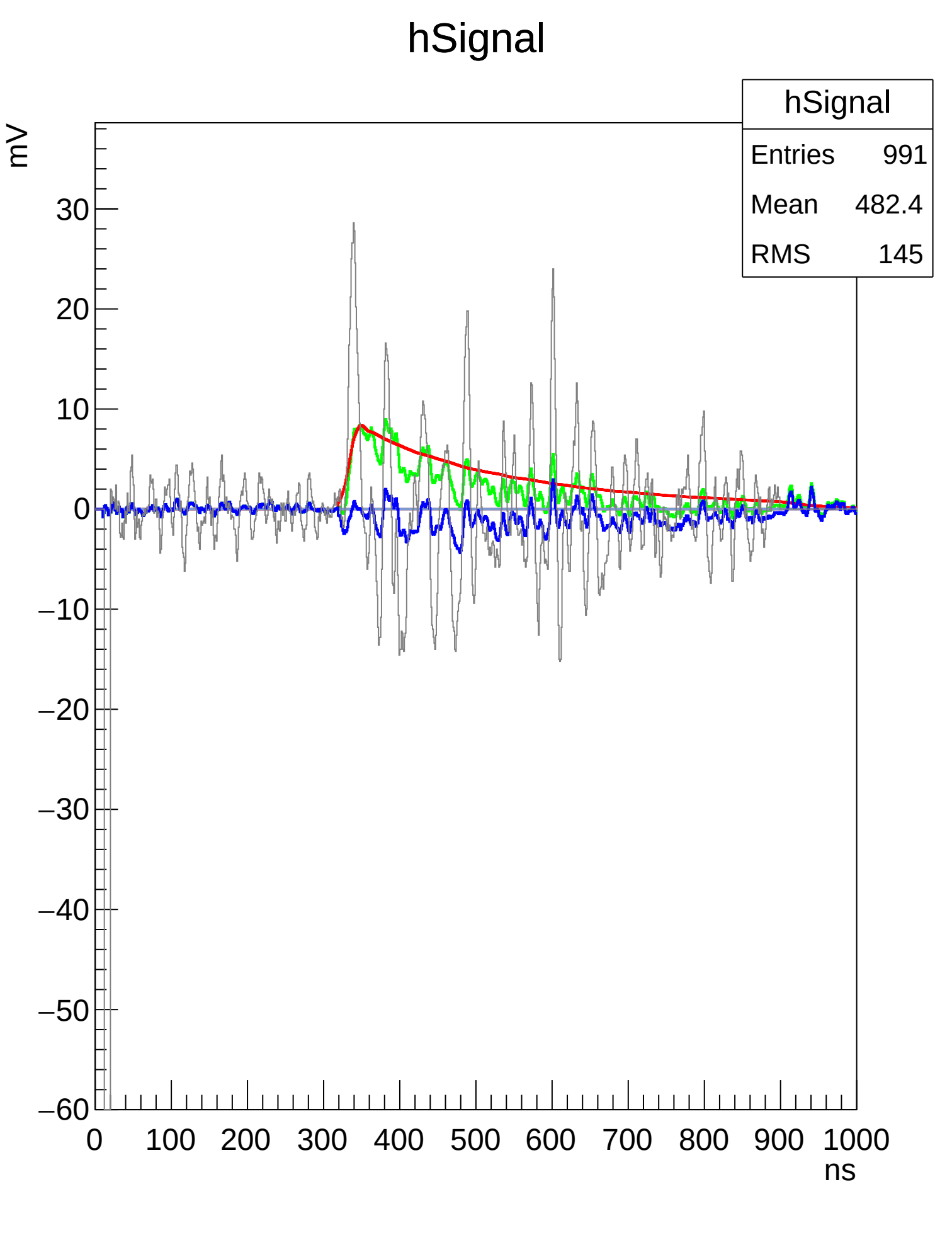
ns


hSignal
hSignal
Entries 991
Mean 482.4
RMS 145
mV
30
20
10
0
−10
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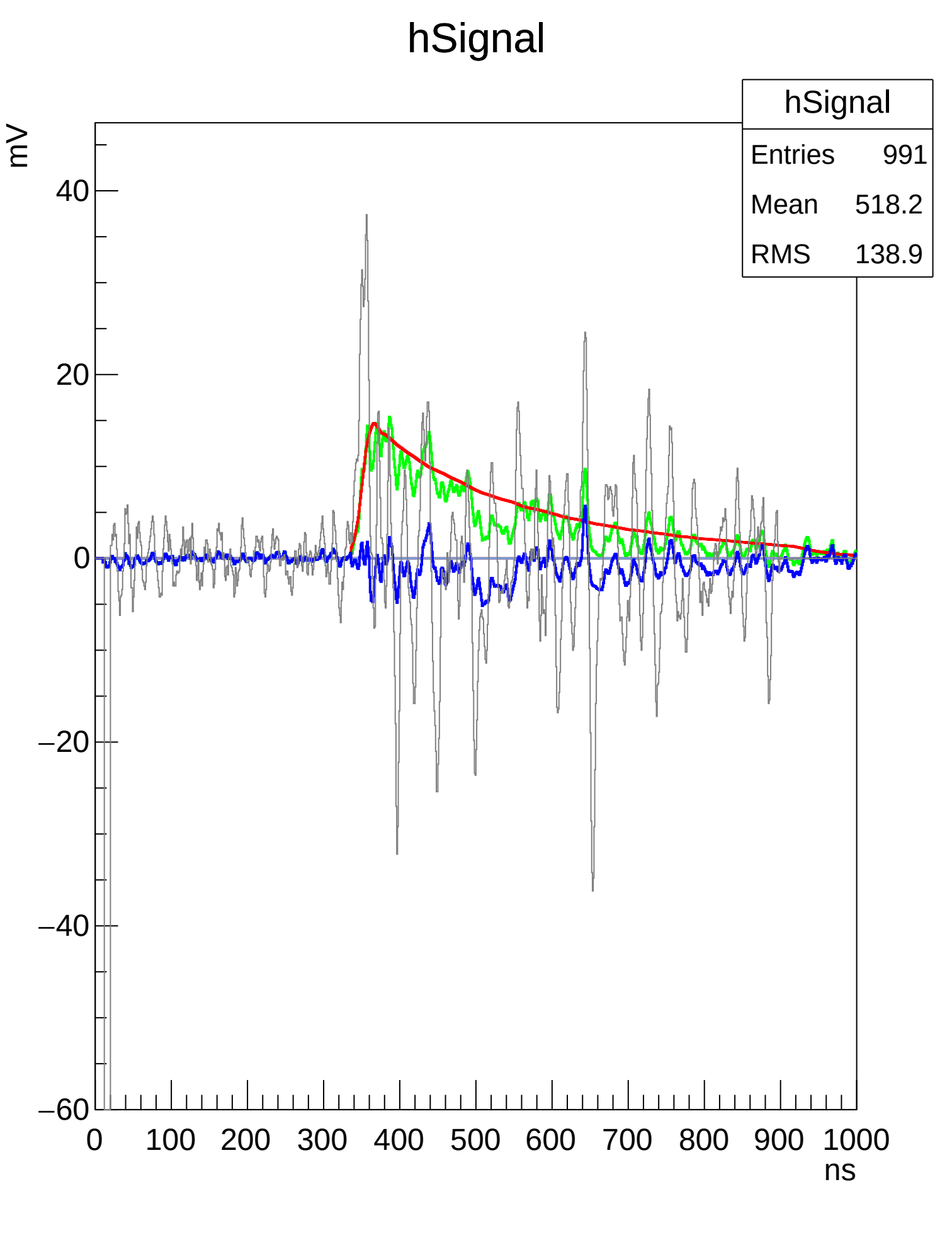
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.2
RMS 138.9
mV
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−20
−40
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0
100
200
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400
500
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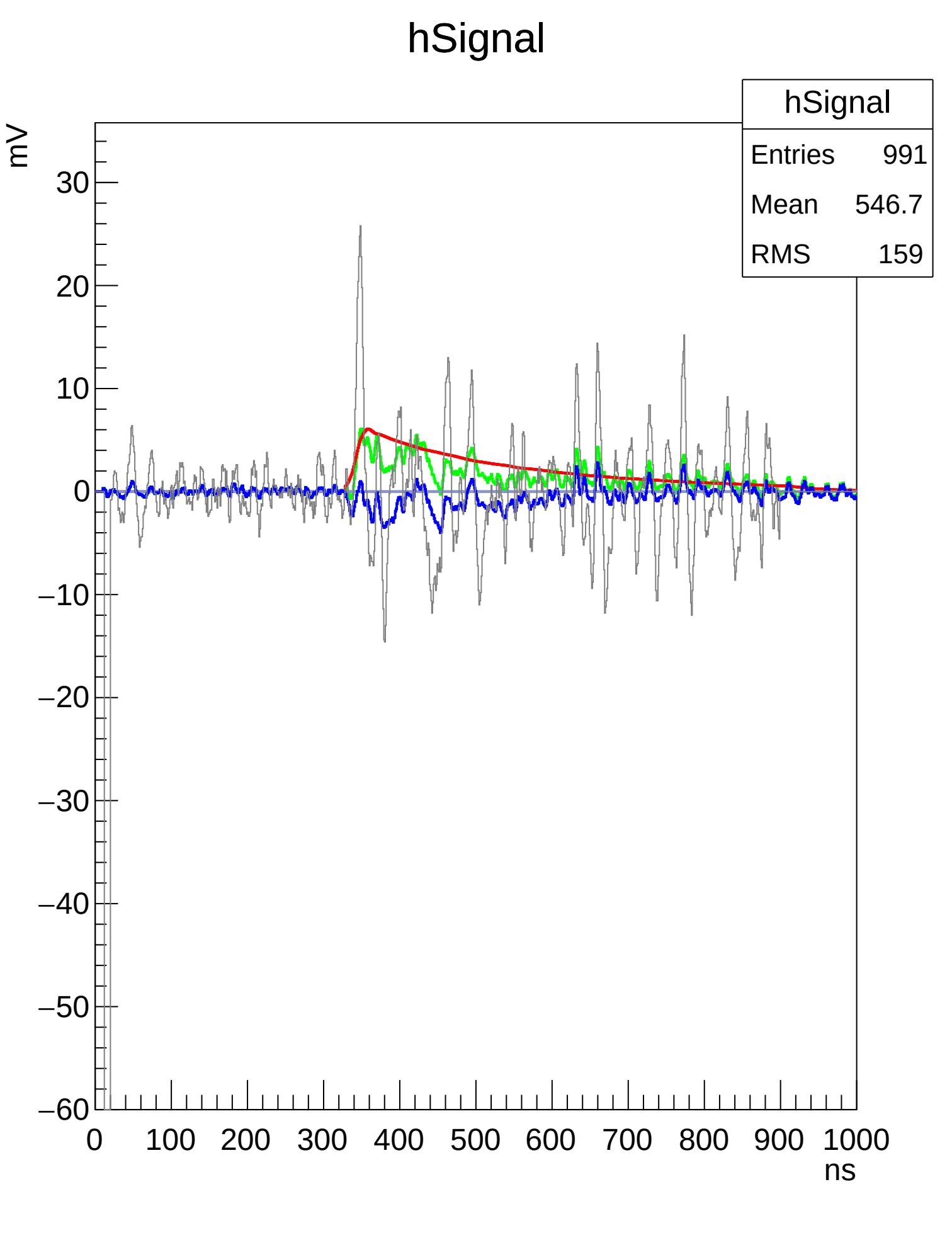
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.7
RMS 159
mV
30
20
10
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−50
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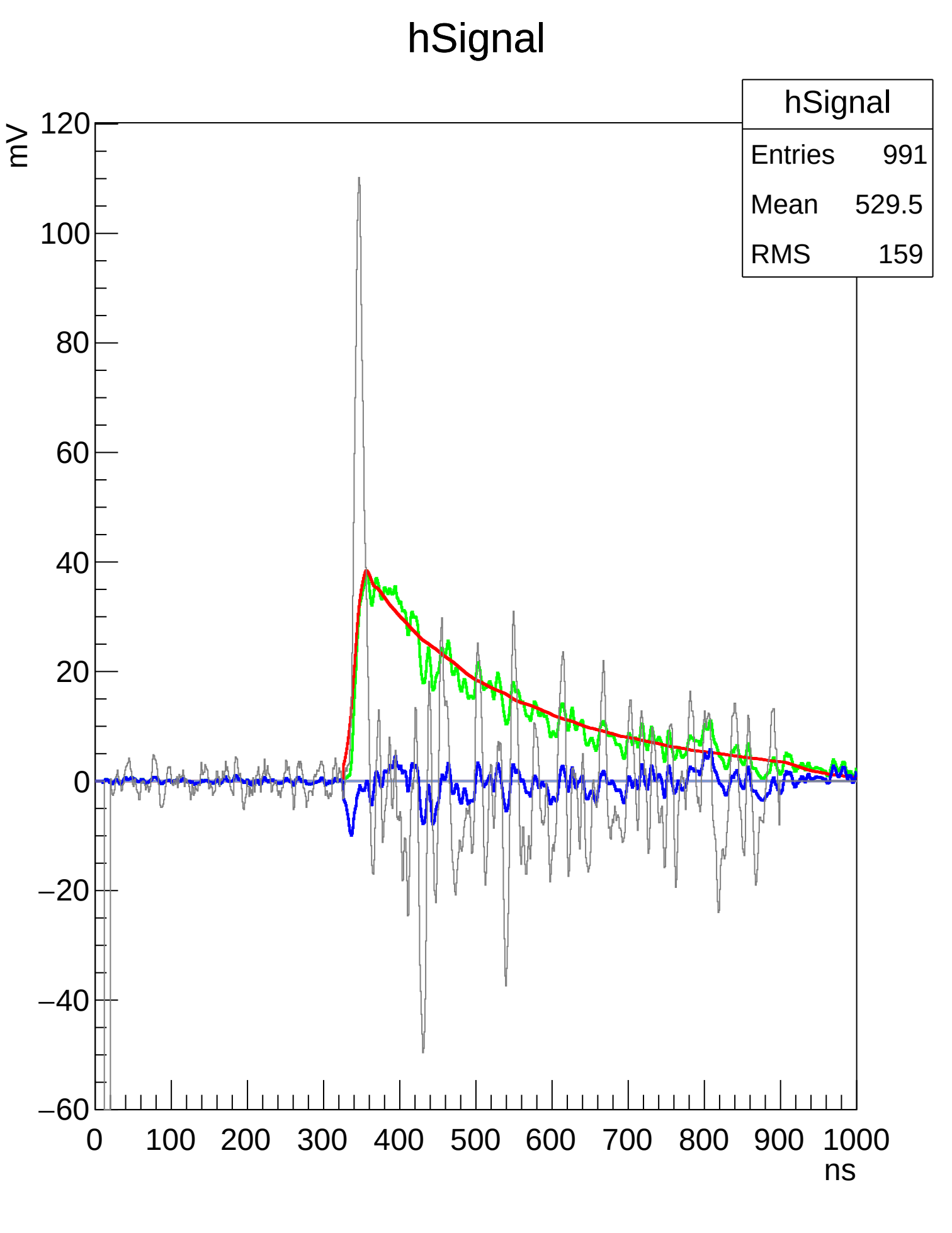
hSignal
hSignal
Entries 991
Mean 529.5
RMS 159
mV
120
100
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−20
−40
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0
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400
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800
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1000
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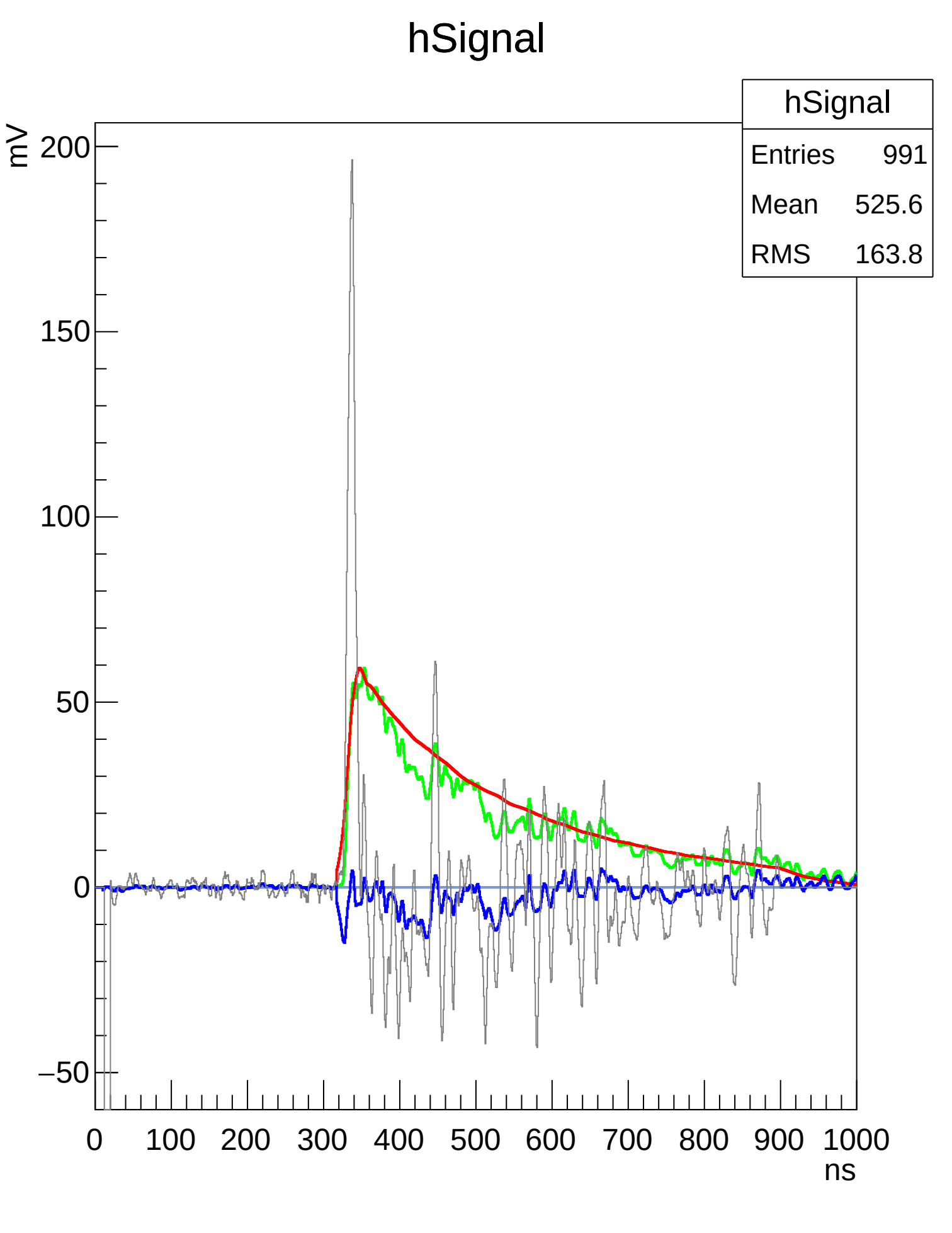
hSignal
hSignal
Entries 991
Mean 525.6
RMS 163.8
mV
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100
50
0
−50
0
100
200
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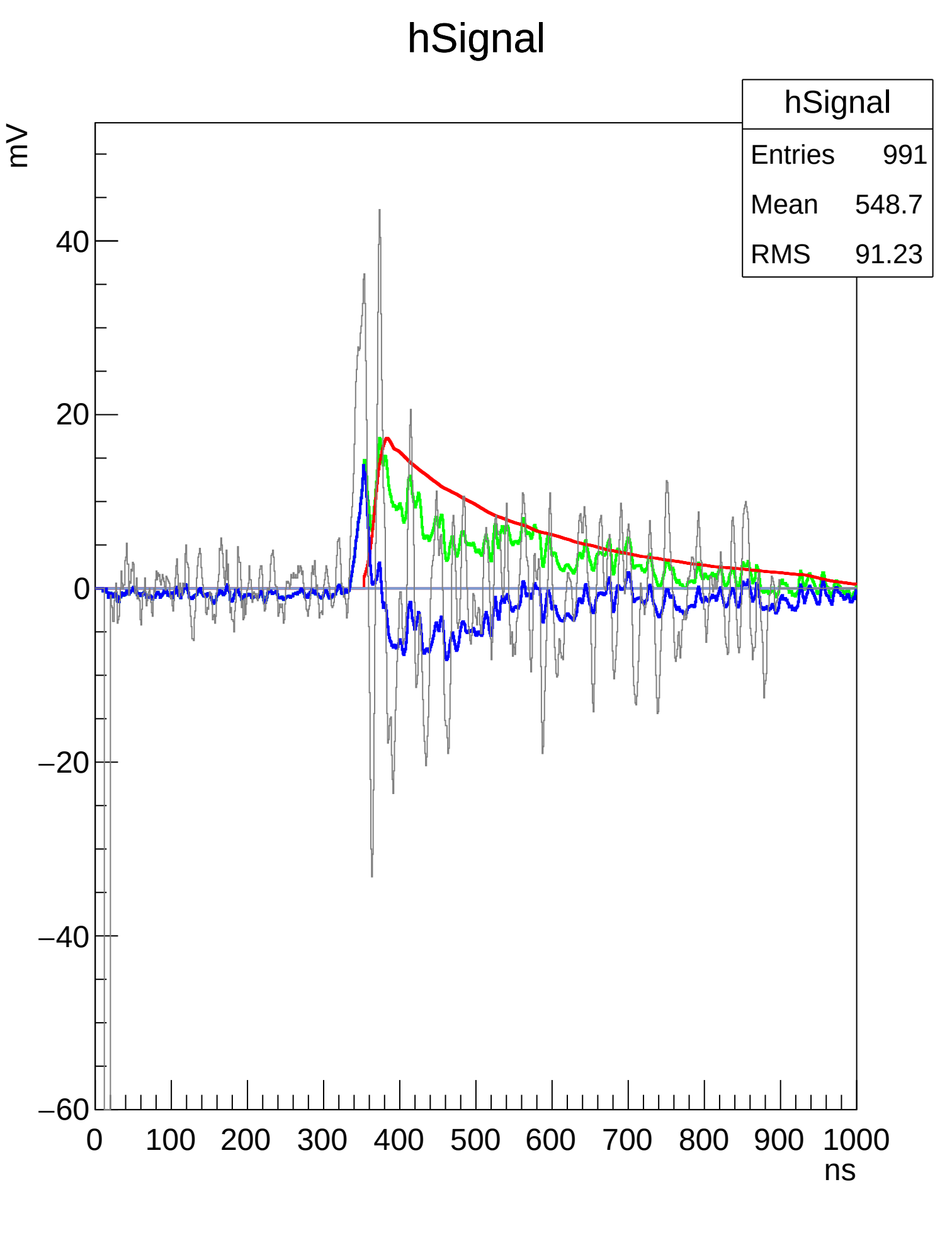
700
800
900
1000
ns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hSignal
Entries 991
Mean 548.7
RMS 91.23
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1000
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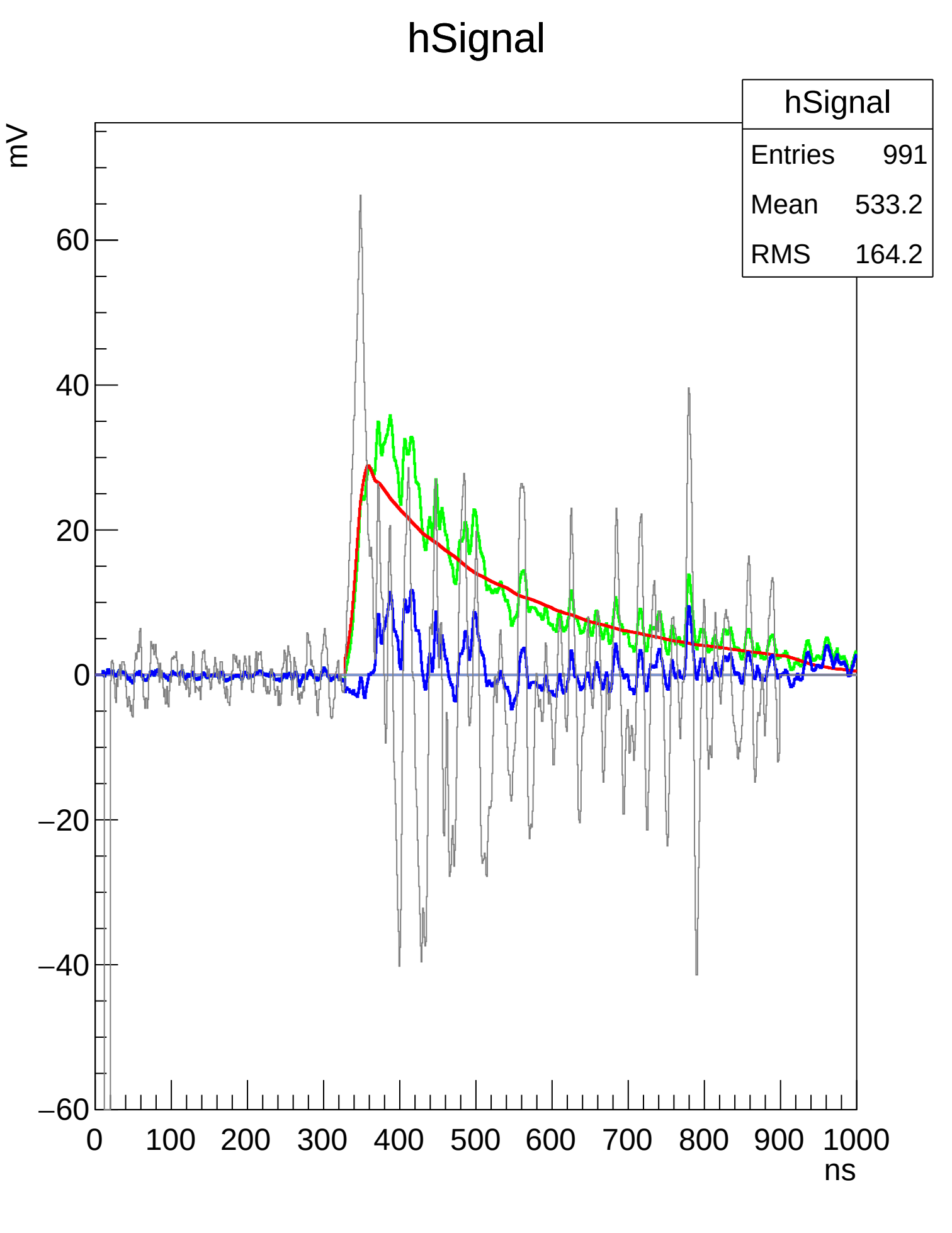
hSignal
hSignal
Entries 991
Mean 533.2
RMS 164.2
mV
60
40
20
0
−20
−40
−60
0
100
200
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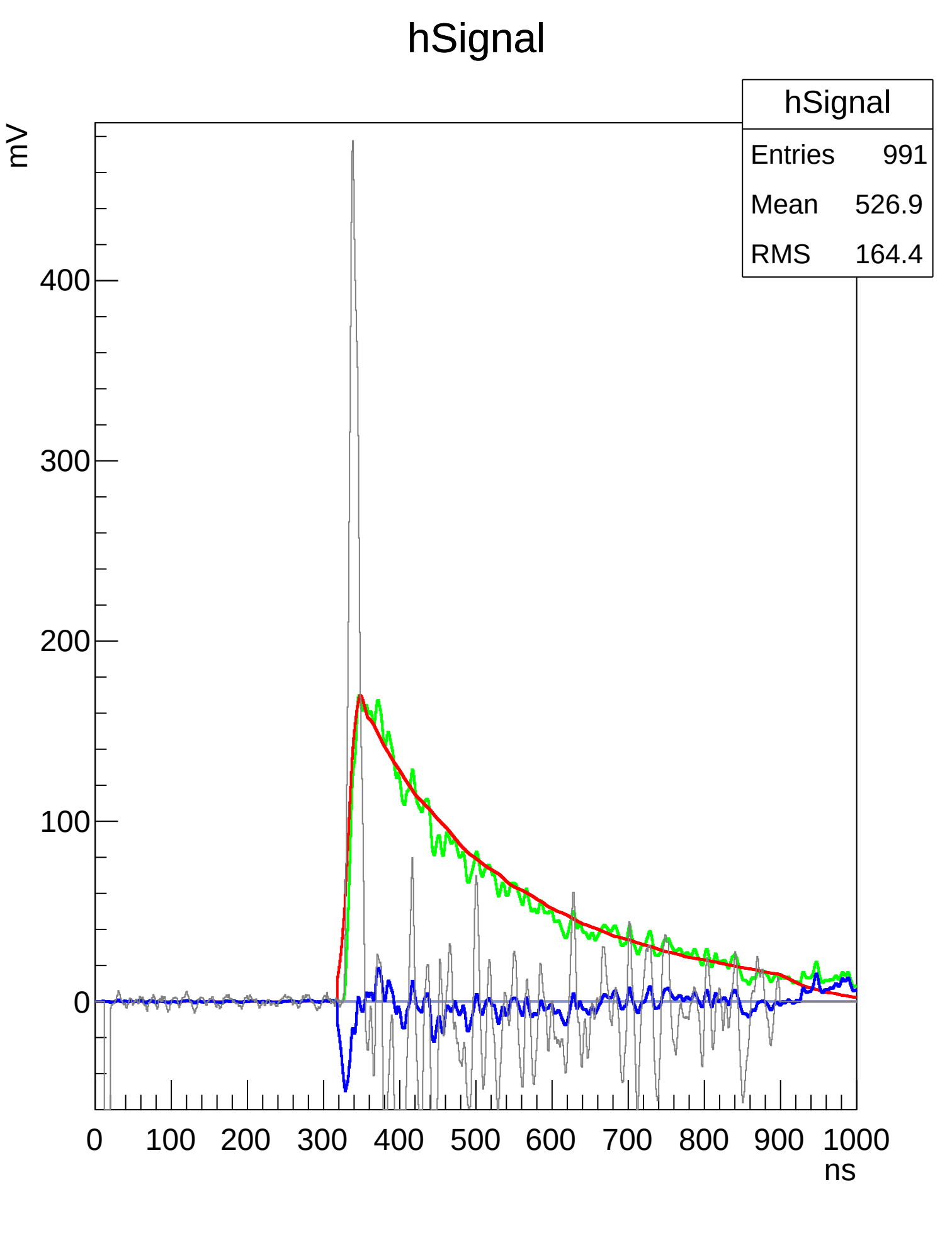
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.9
RMS 164.4
mV
400
300
200
100
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0
100
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400
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700
800
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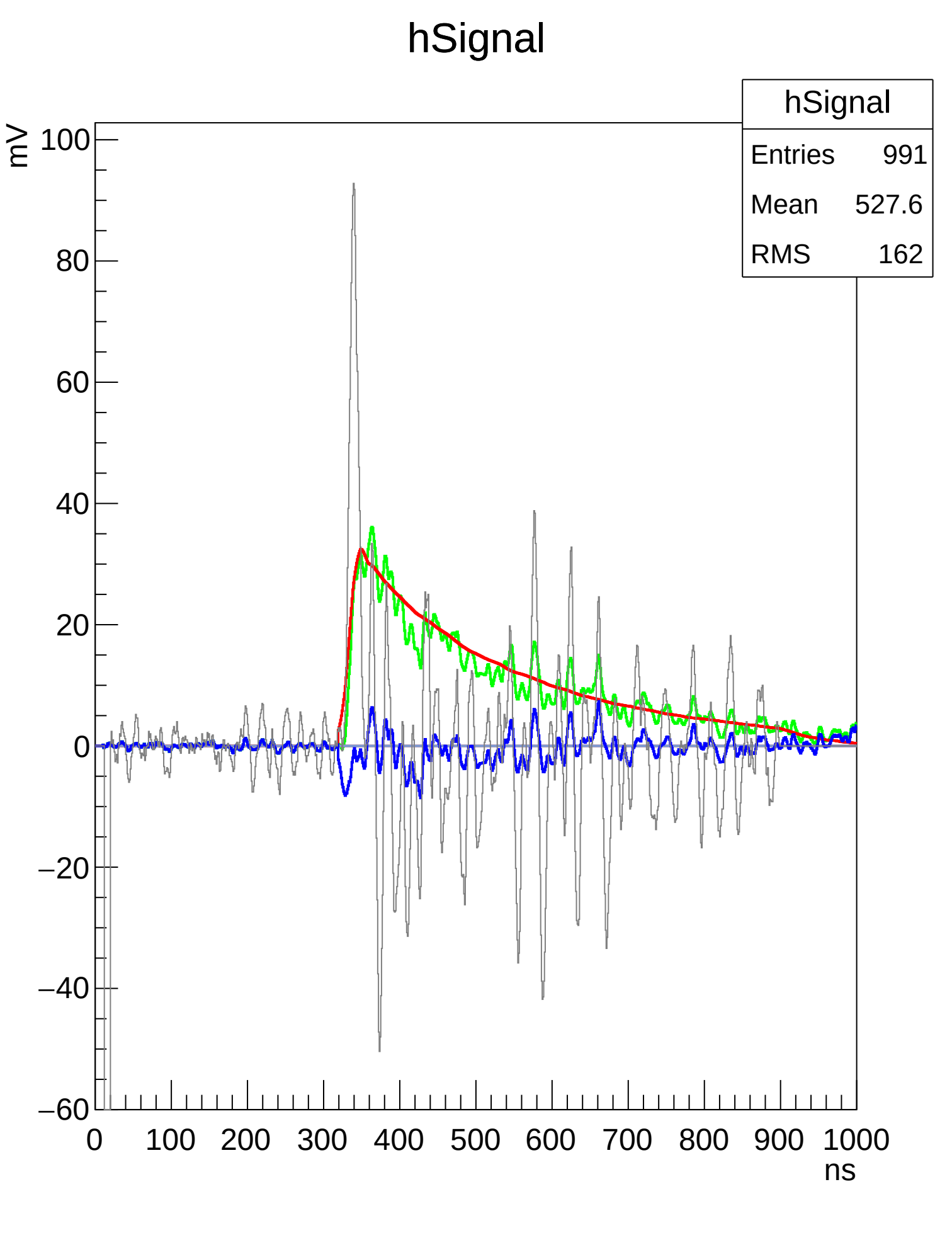
1000
ns


hSignal
hSignal
Entries 991
Mean 527.6
RMS 162
mV
100
80
60
40
20
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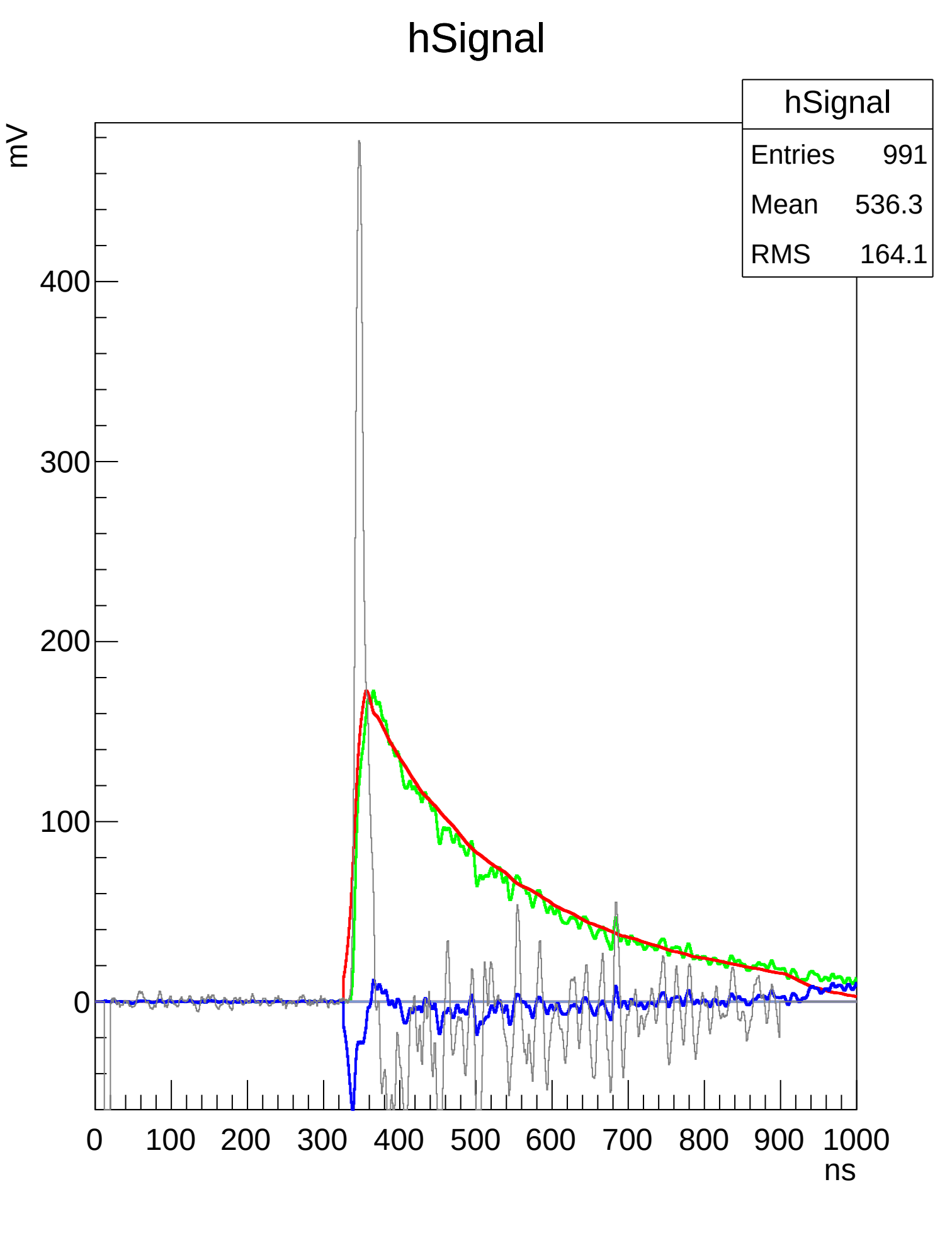
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.3
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mV
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300
200
100
0
0
100
200
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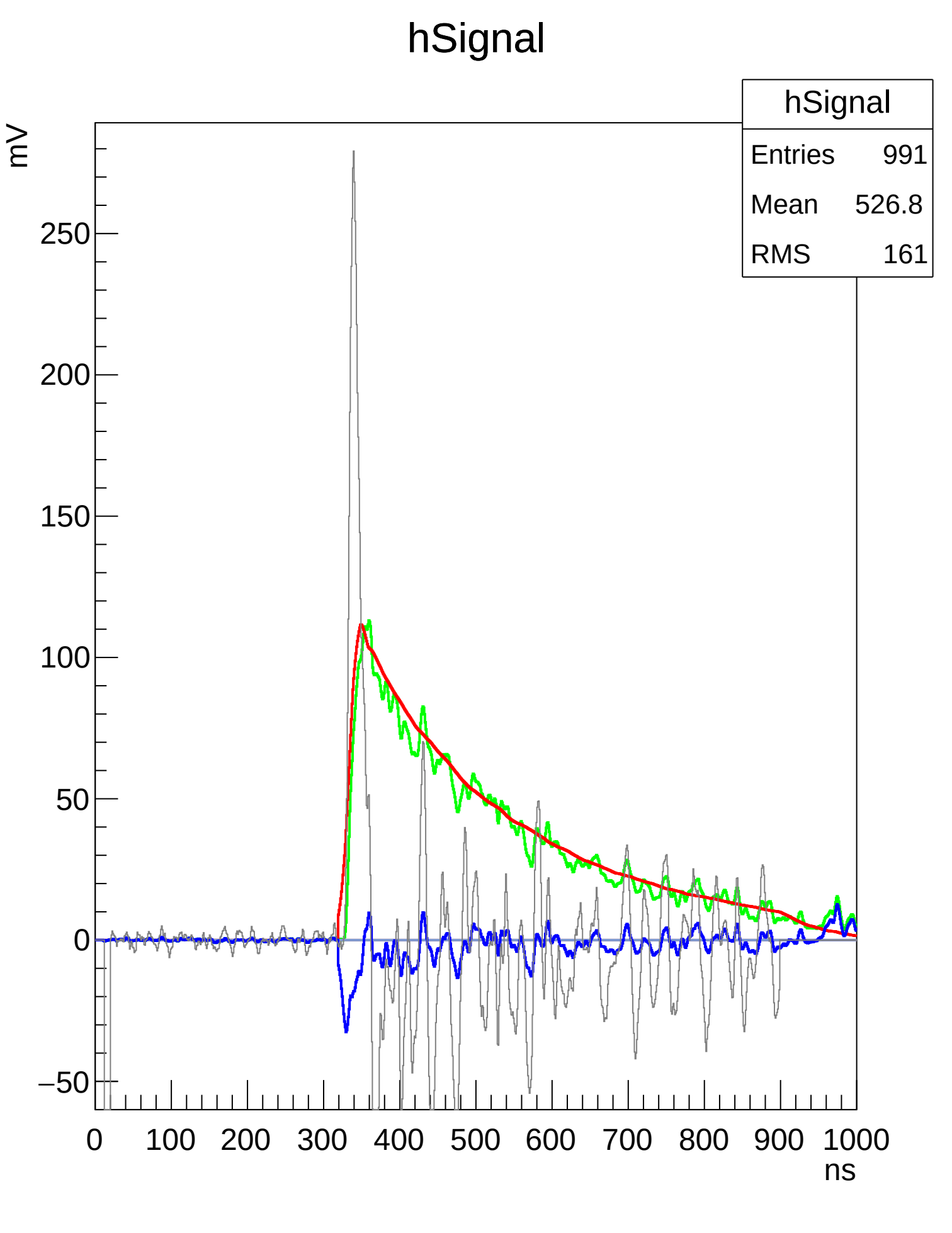
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.8
RMS 161
mV
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200
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100
50
0
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0
100
200
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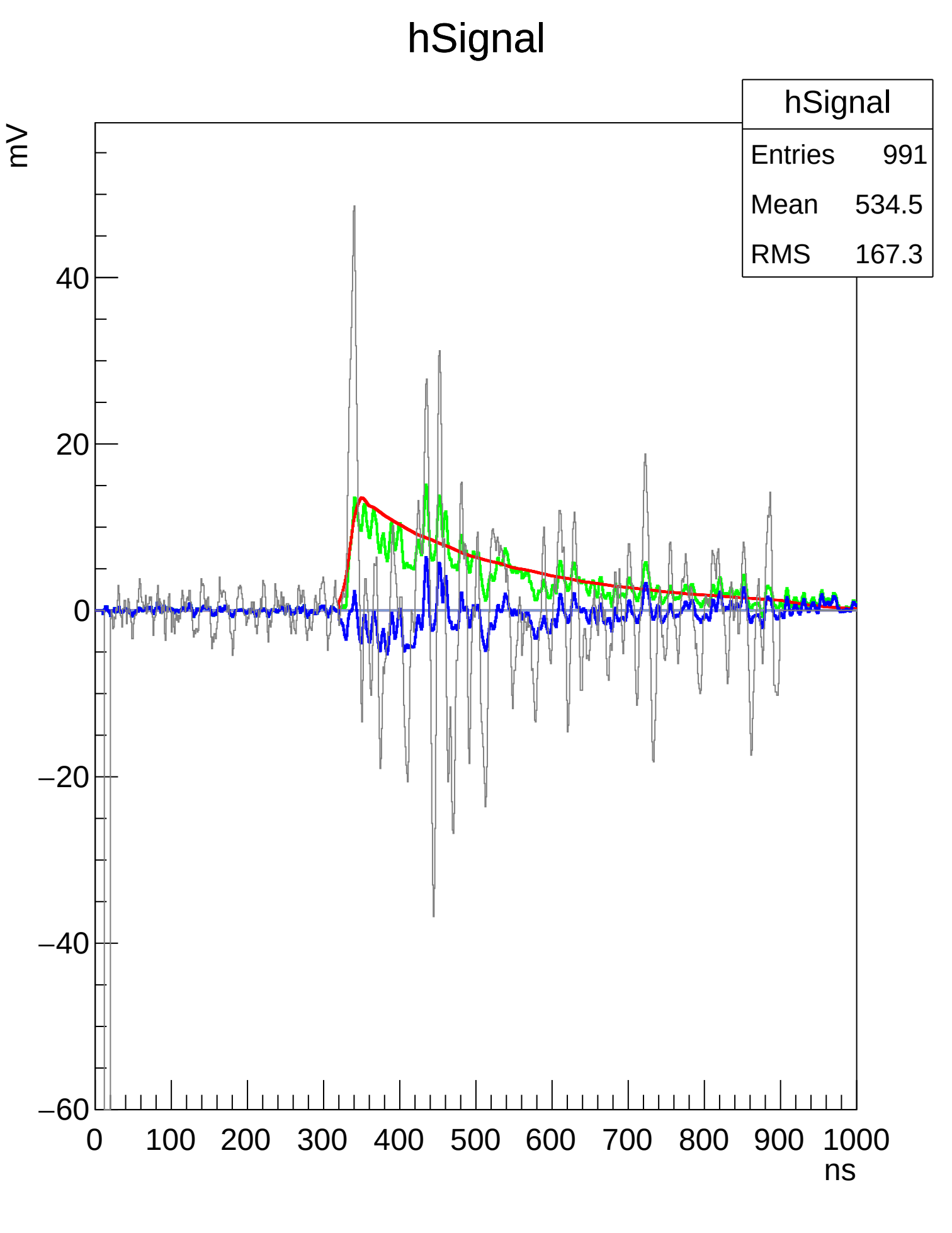
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.5
RMS 167.3
mV
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0
−20
−40
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0
100
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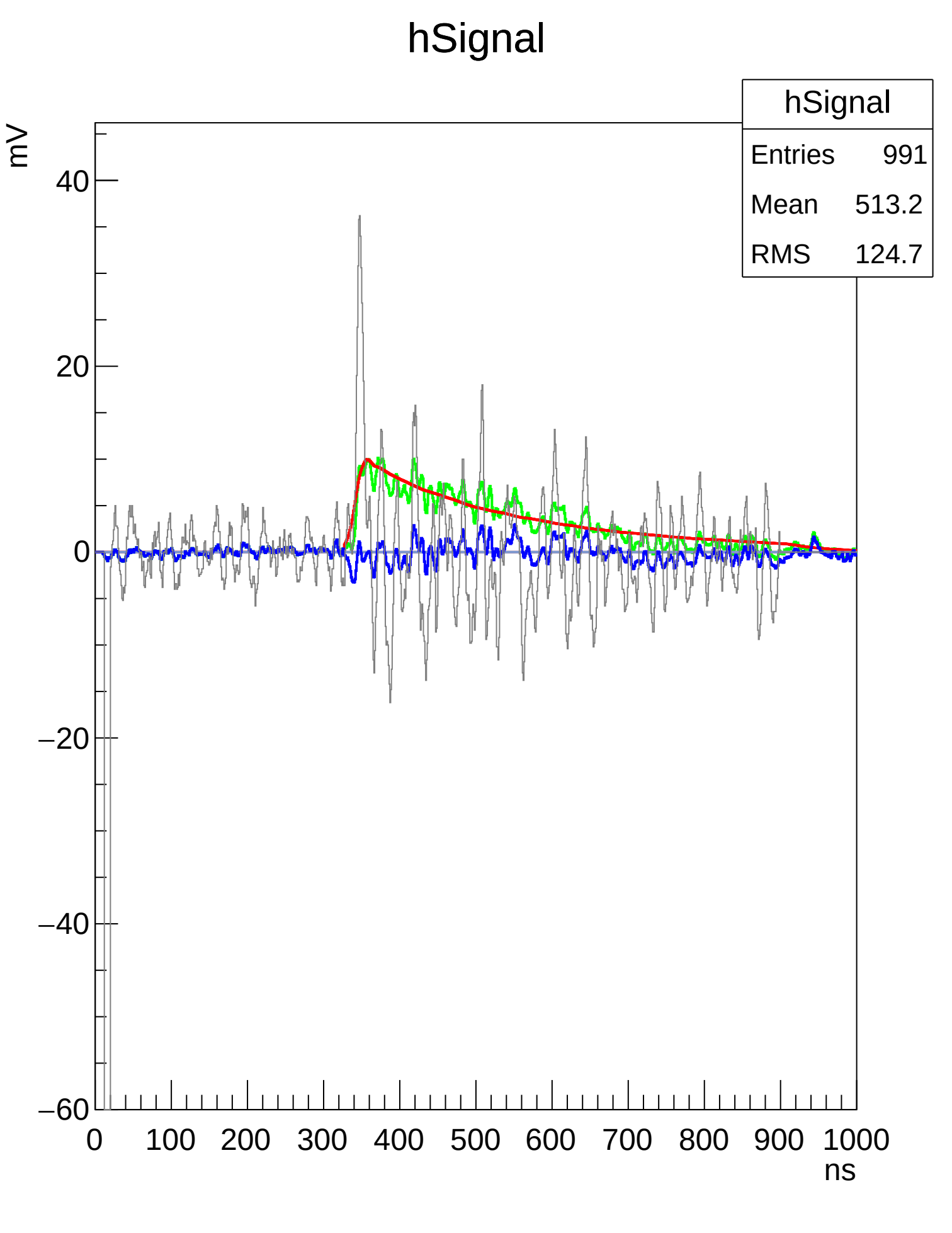
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.2
RMS 124.7
mV
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−20
−40
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0
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800
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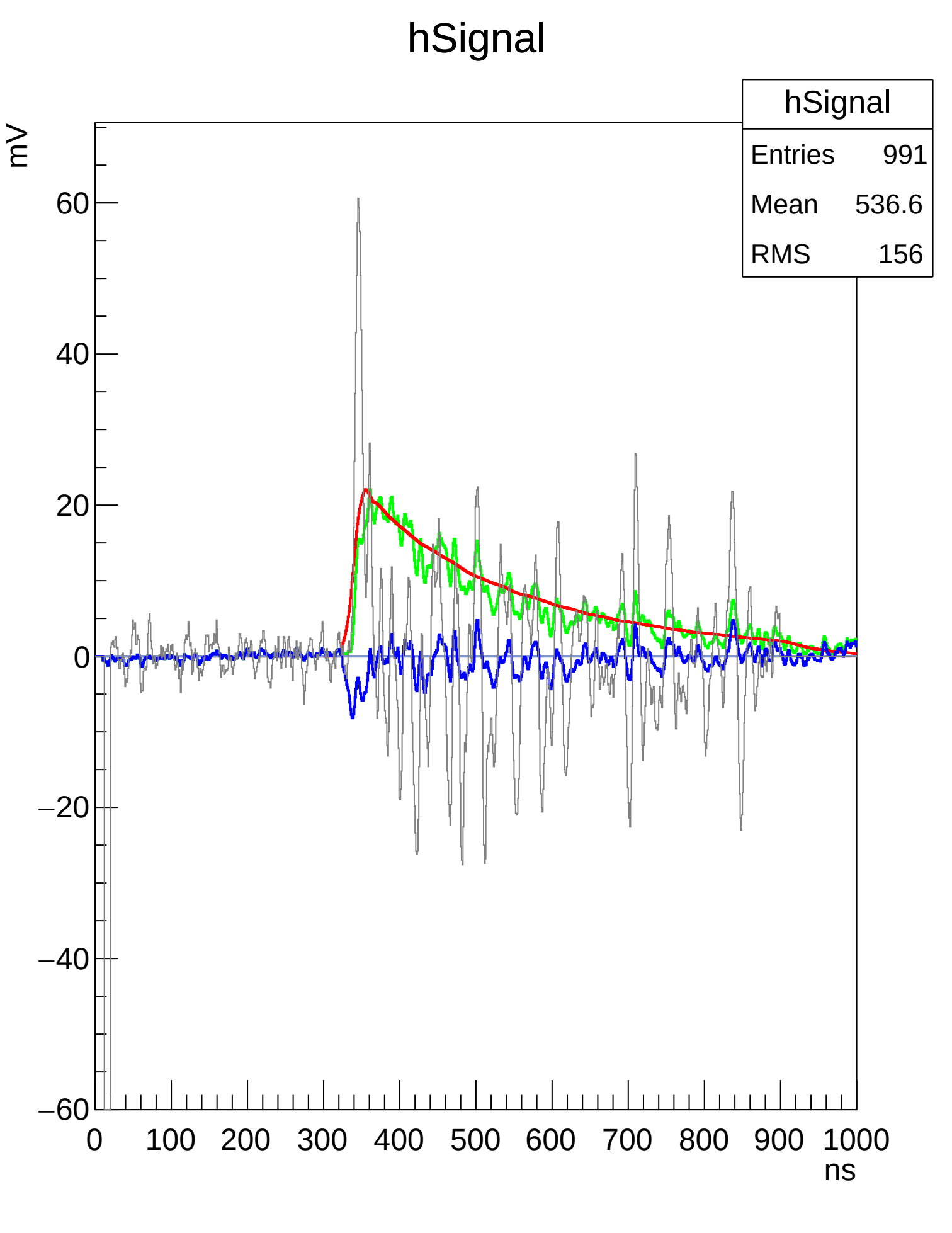
1000
ns


hSignal
hSignal
Entries 991
Mean 536.6
RMS 156
mV
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0
100
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1000
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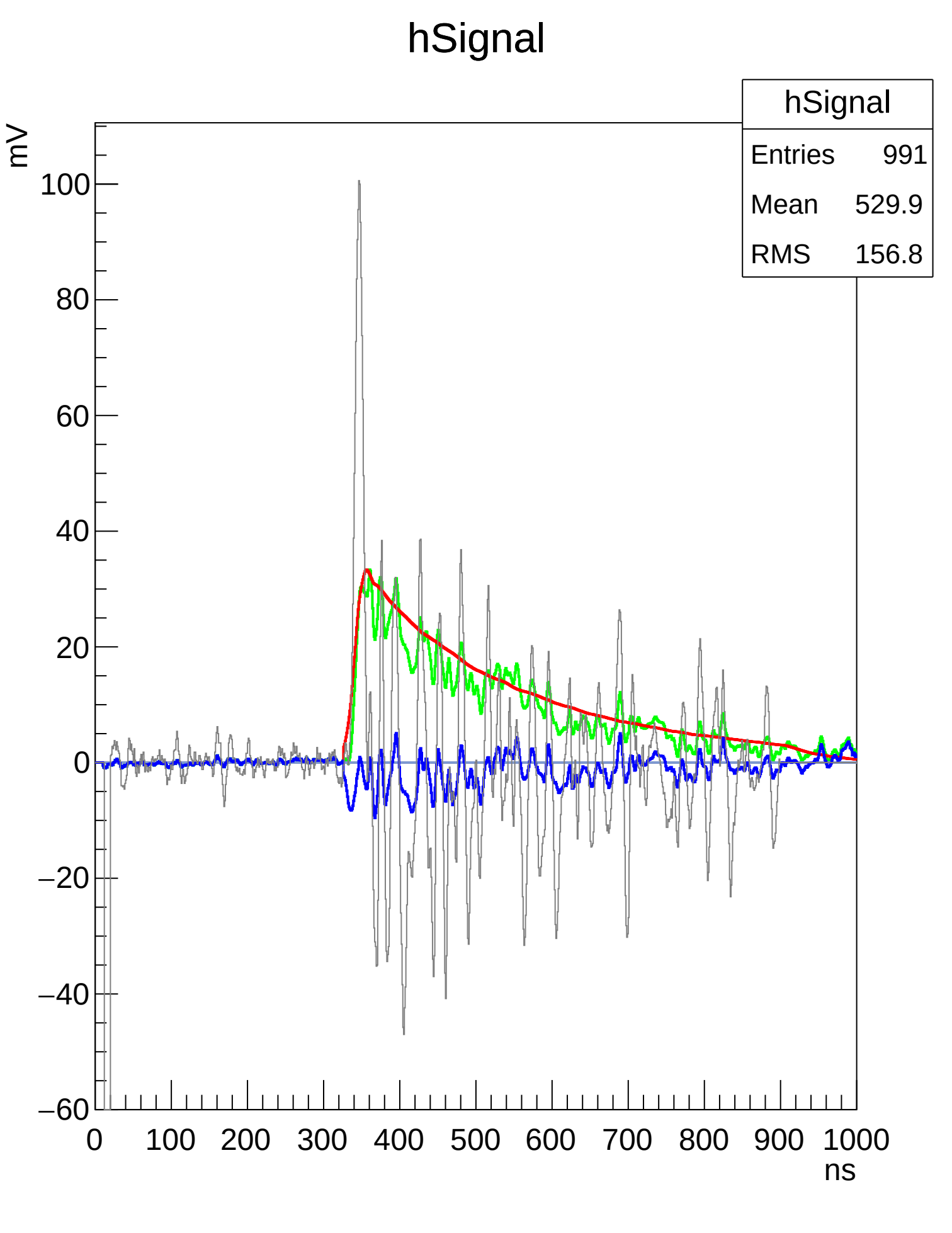
hSignal
hSignal
Entries 991
Mean 529.9
RMS 156.8
mV
100
80
60
40
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0
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400
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800
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1000
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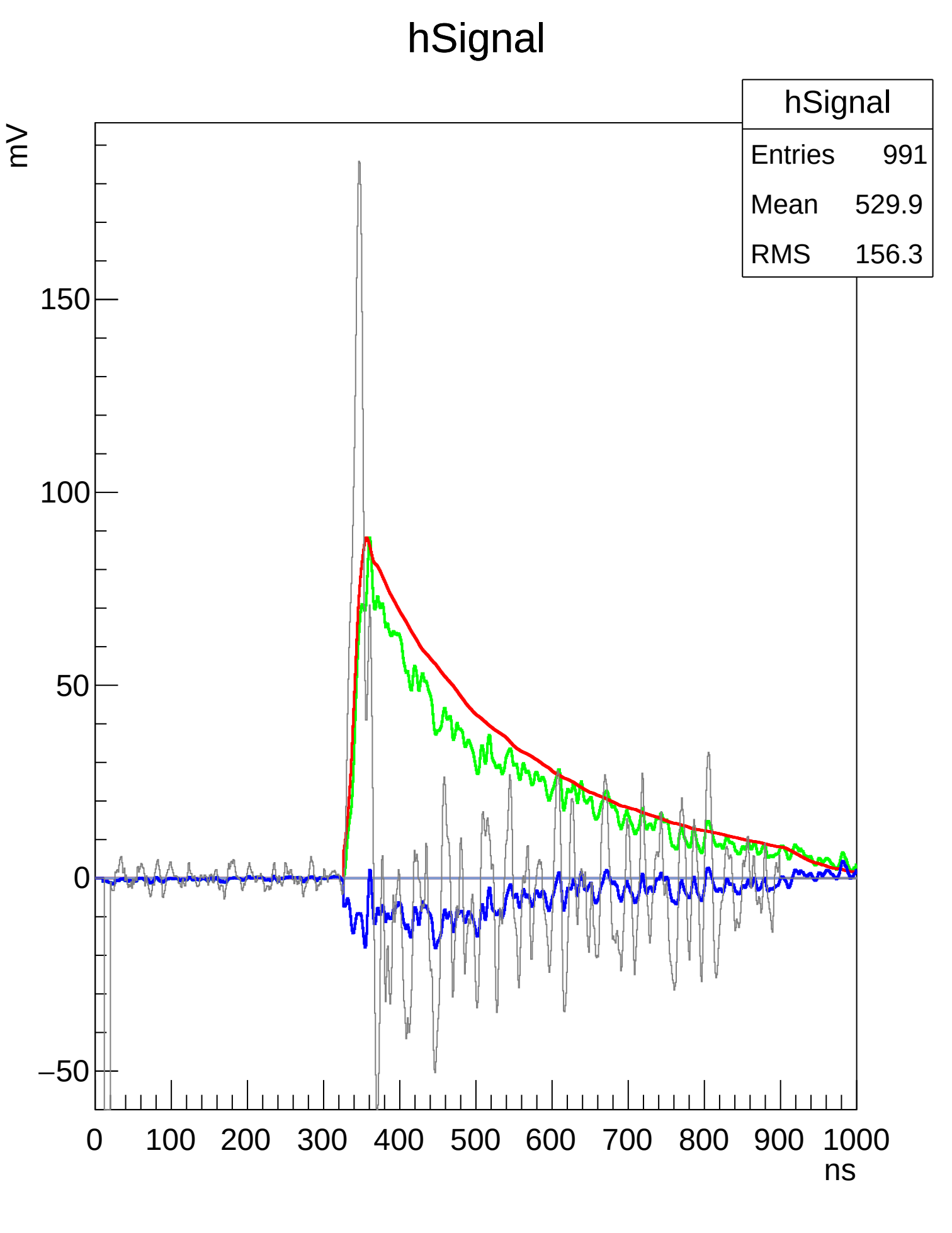
hSignal
hSignal
Entries 991
Mean 529.9
RMS 156.3
mV
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800
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1000
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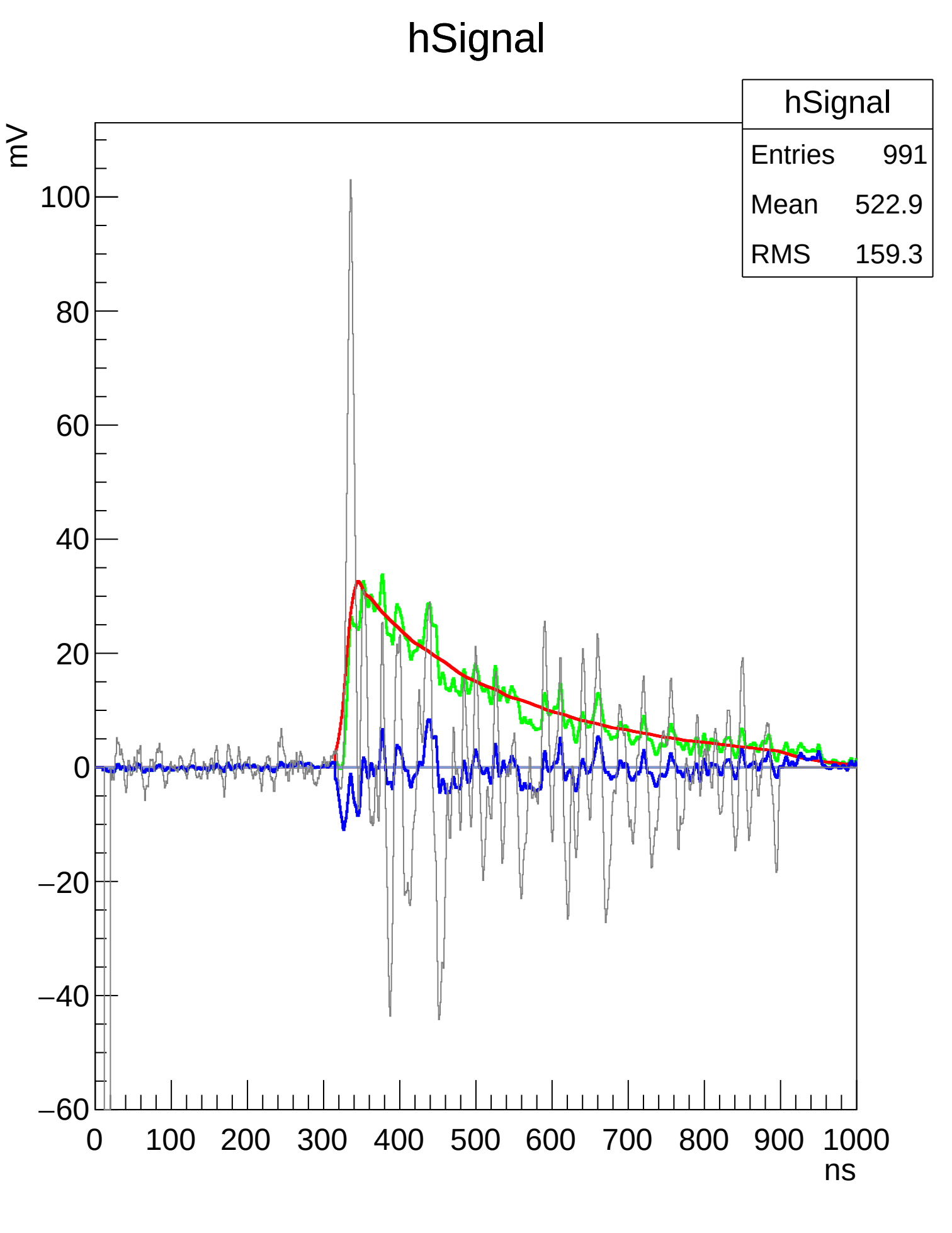
hSignal
hSignal
Entries 991
Mean 522.9
RMS 159.3
mV
100
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400
500
600
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800
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1000
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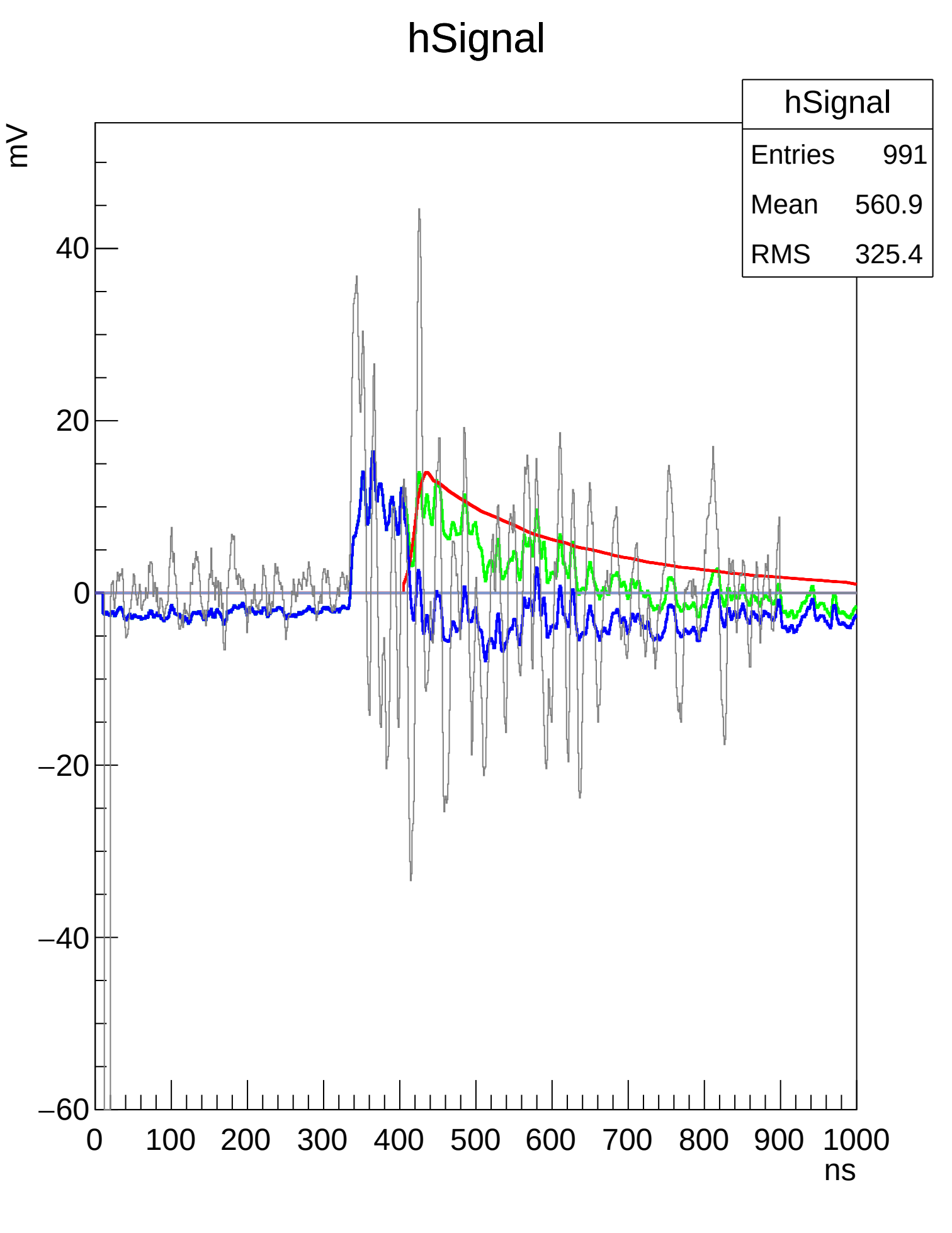
hSignal
hSignal
Entries 991
Mean 560.9
RMS 325.4
mV
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−20
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800
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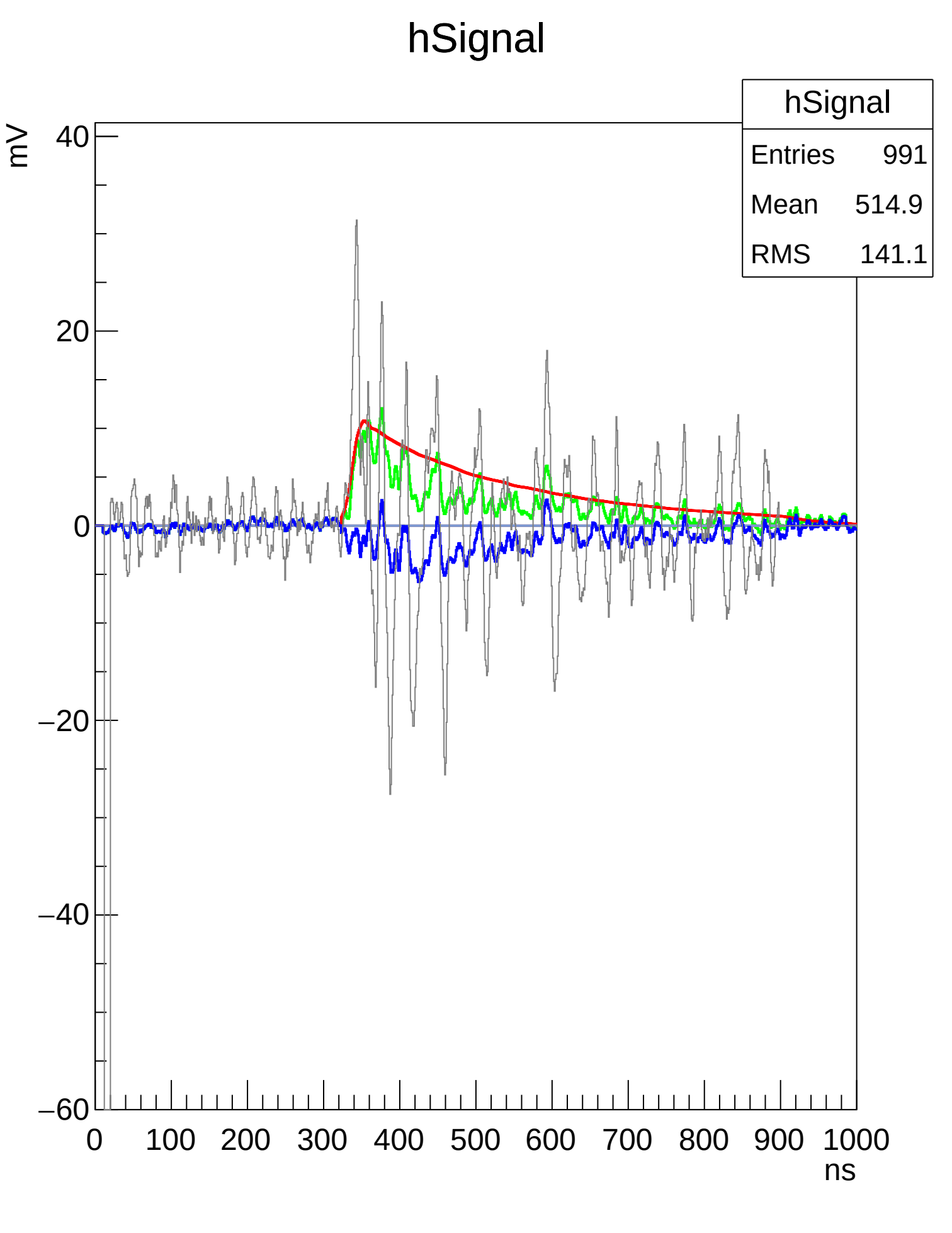
hSignal
hSignal
Entries 991
Mean 514.9
RMS 141.1
mV
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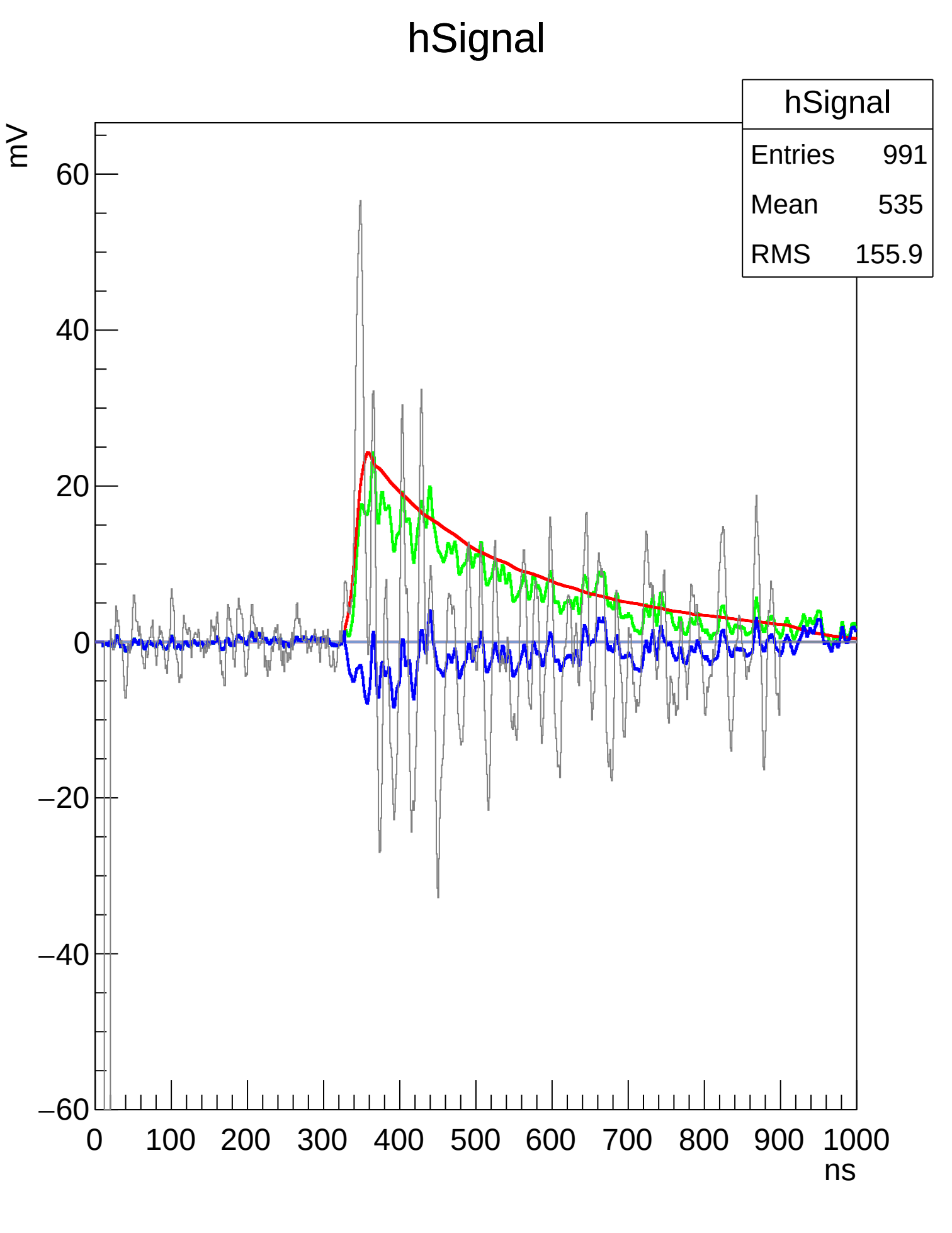
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hSignal
Entries 991
Mean 535
RMS 155.9
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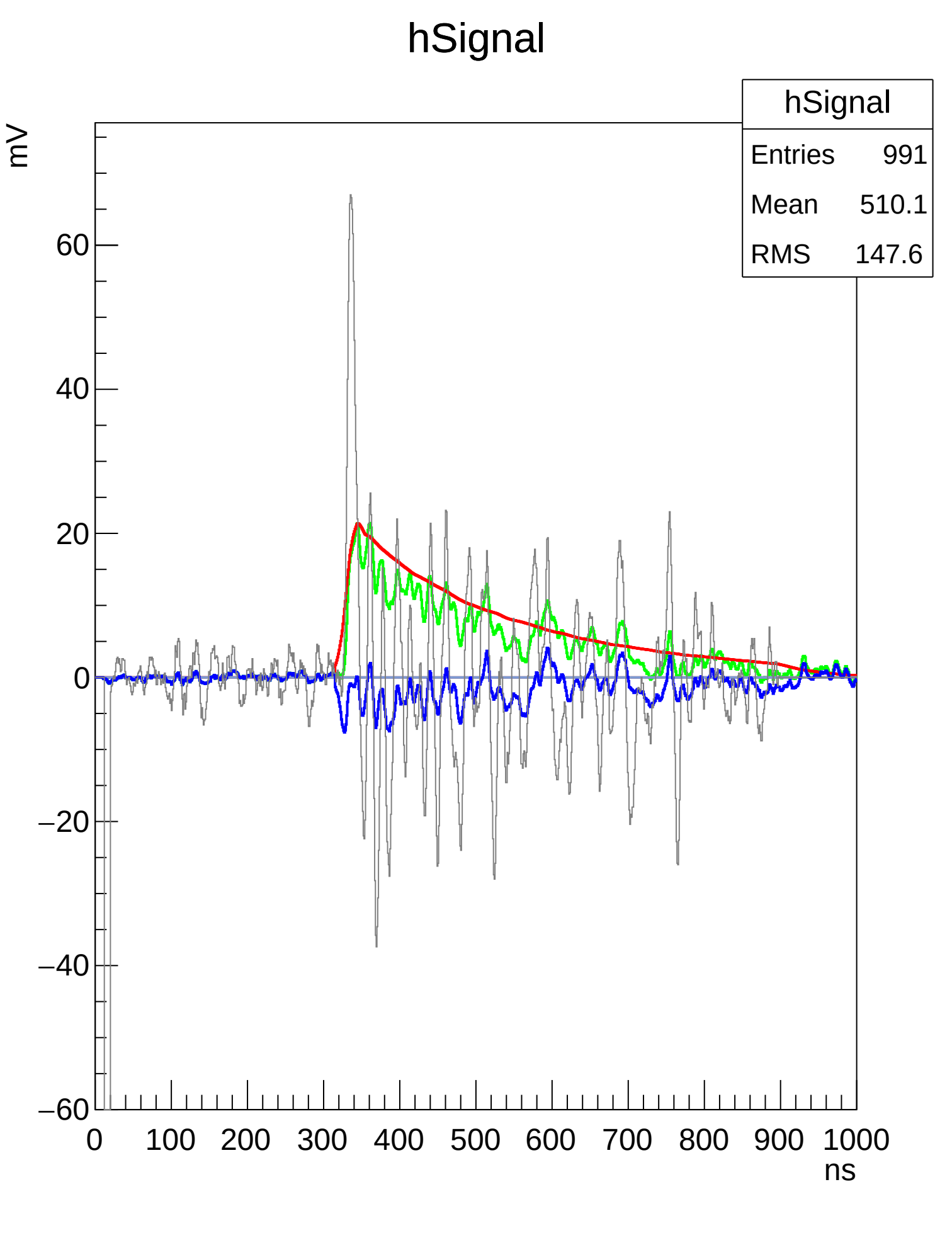
hSignal
hSignal
Entries 991
Mean 510.1
RMS 147.6
mV
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400
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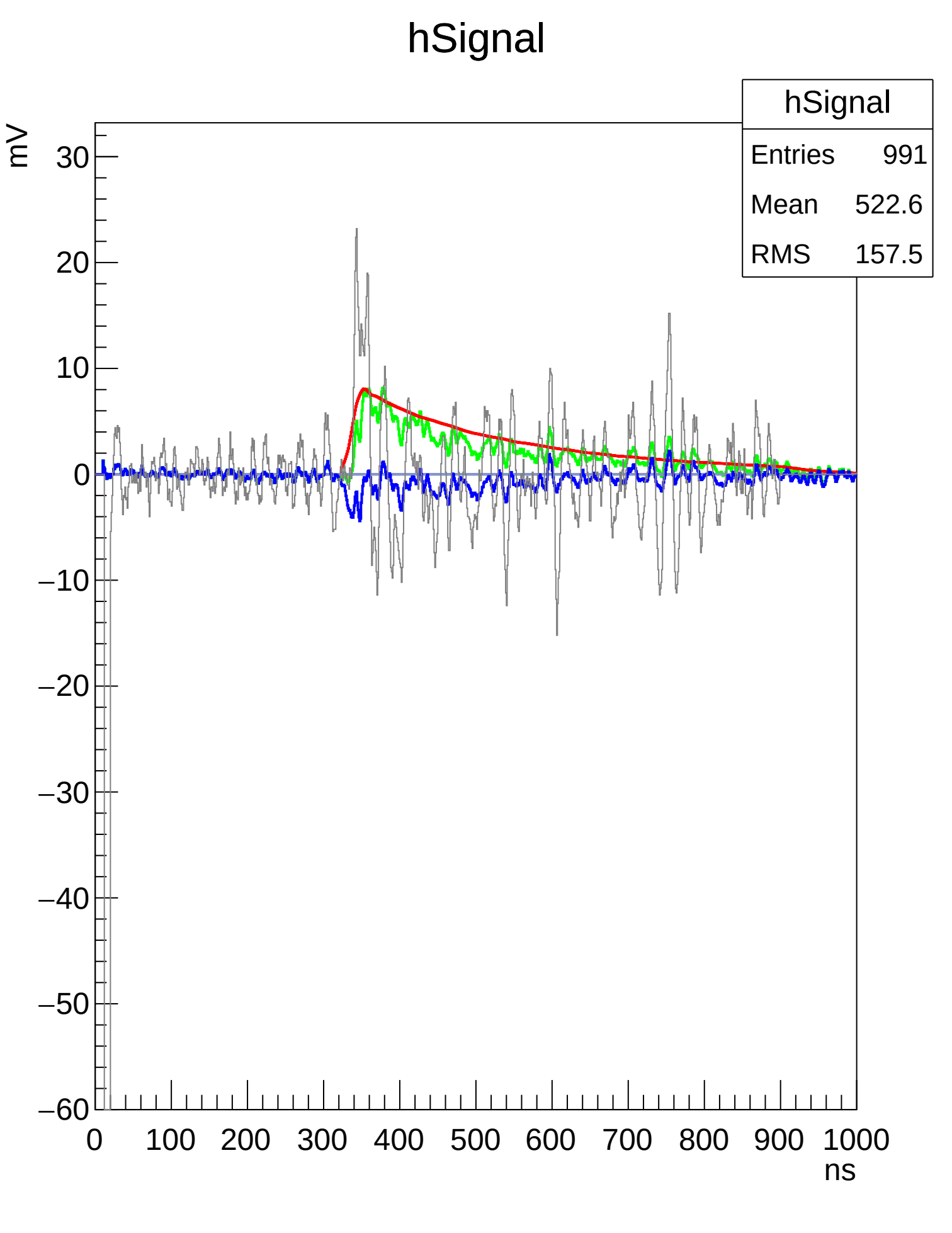
1000
ns


hSignal
hSignal
Entries 991
Mean 522.6
RMS 157.5
mV
30
20
10
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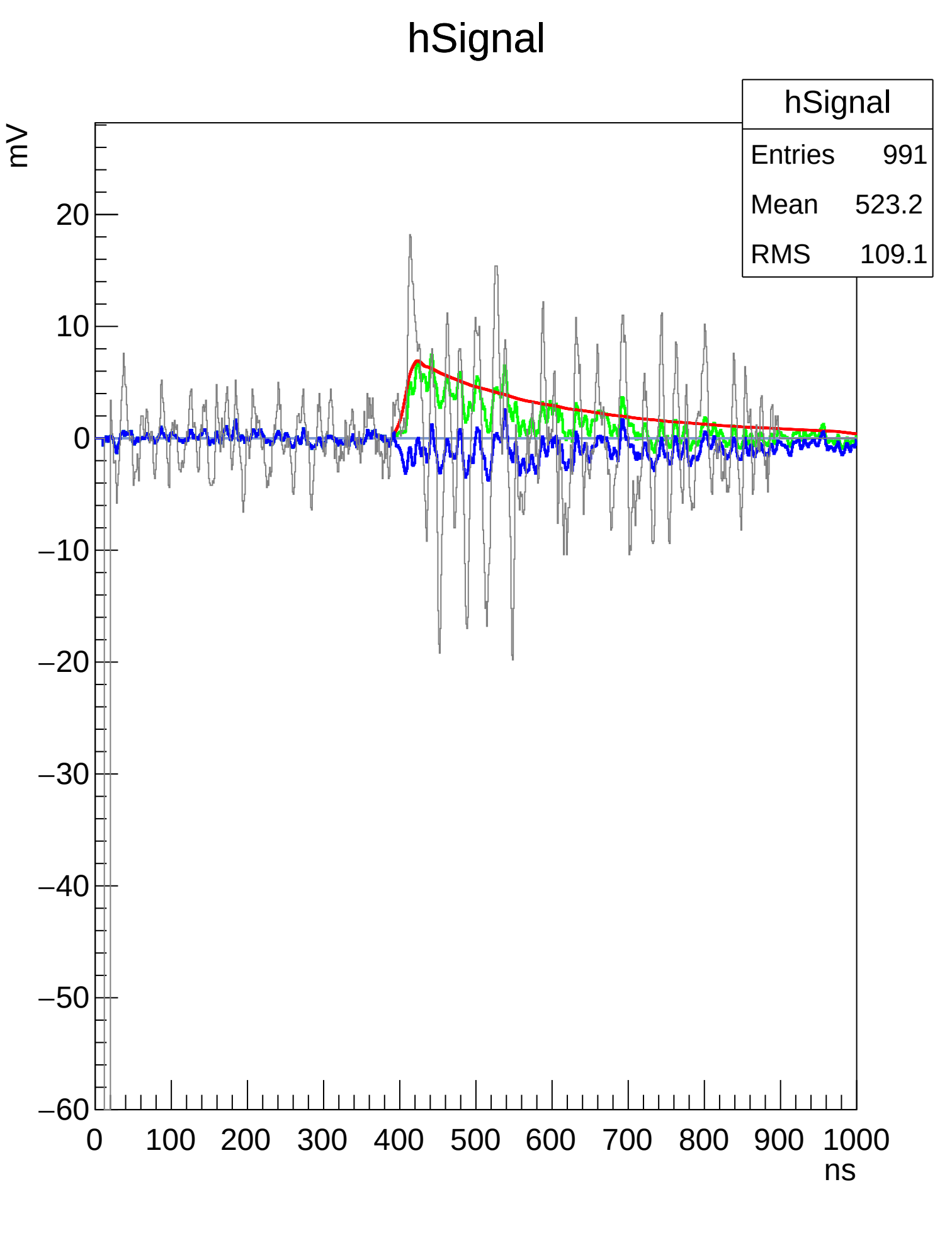
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hSignal
Entries 991
Mean 523.2
RMS 109.1
mV
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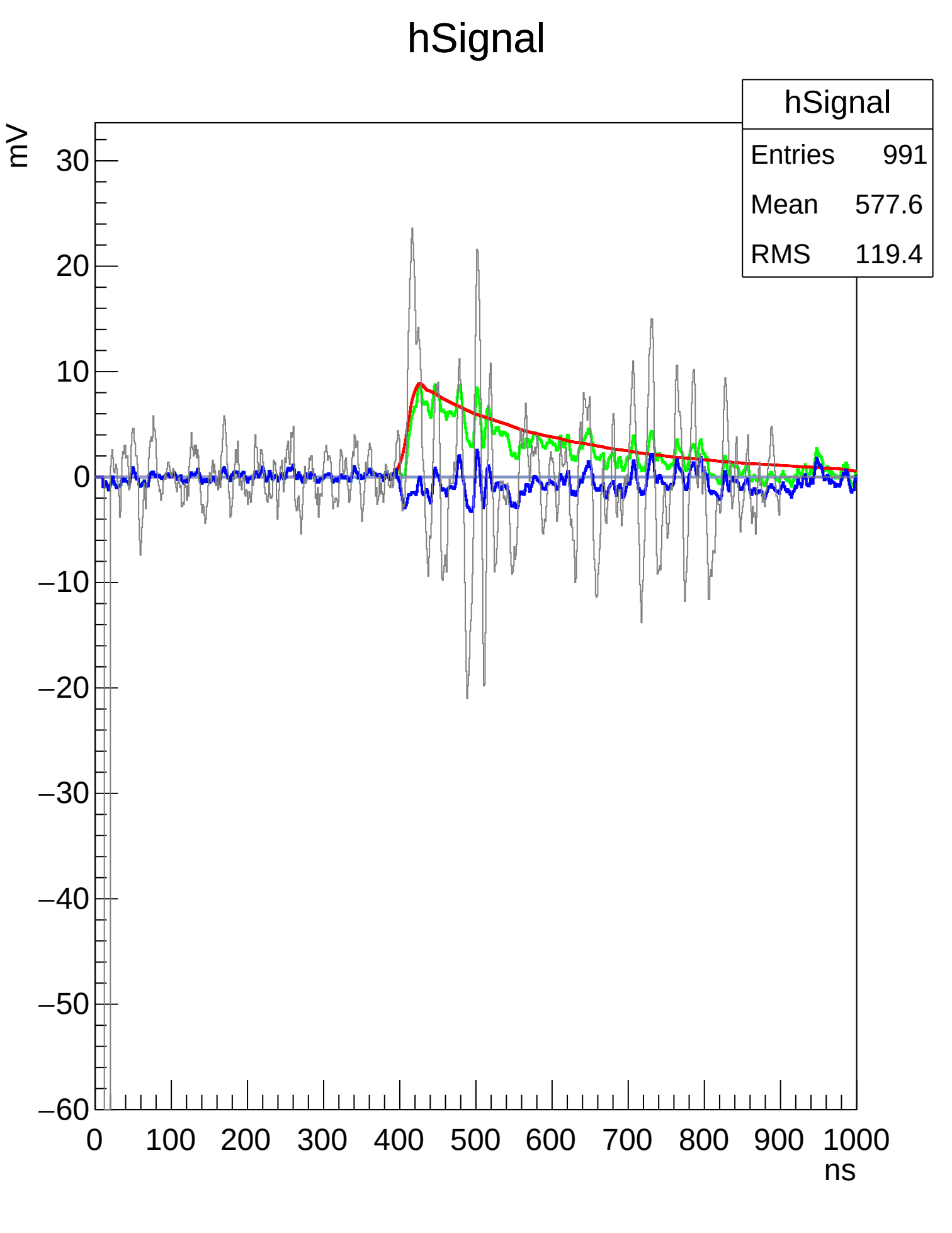
hSignal
hSignal
Entries 991
Mean 577.6
RMS 119.4
mV
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10
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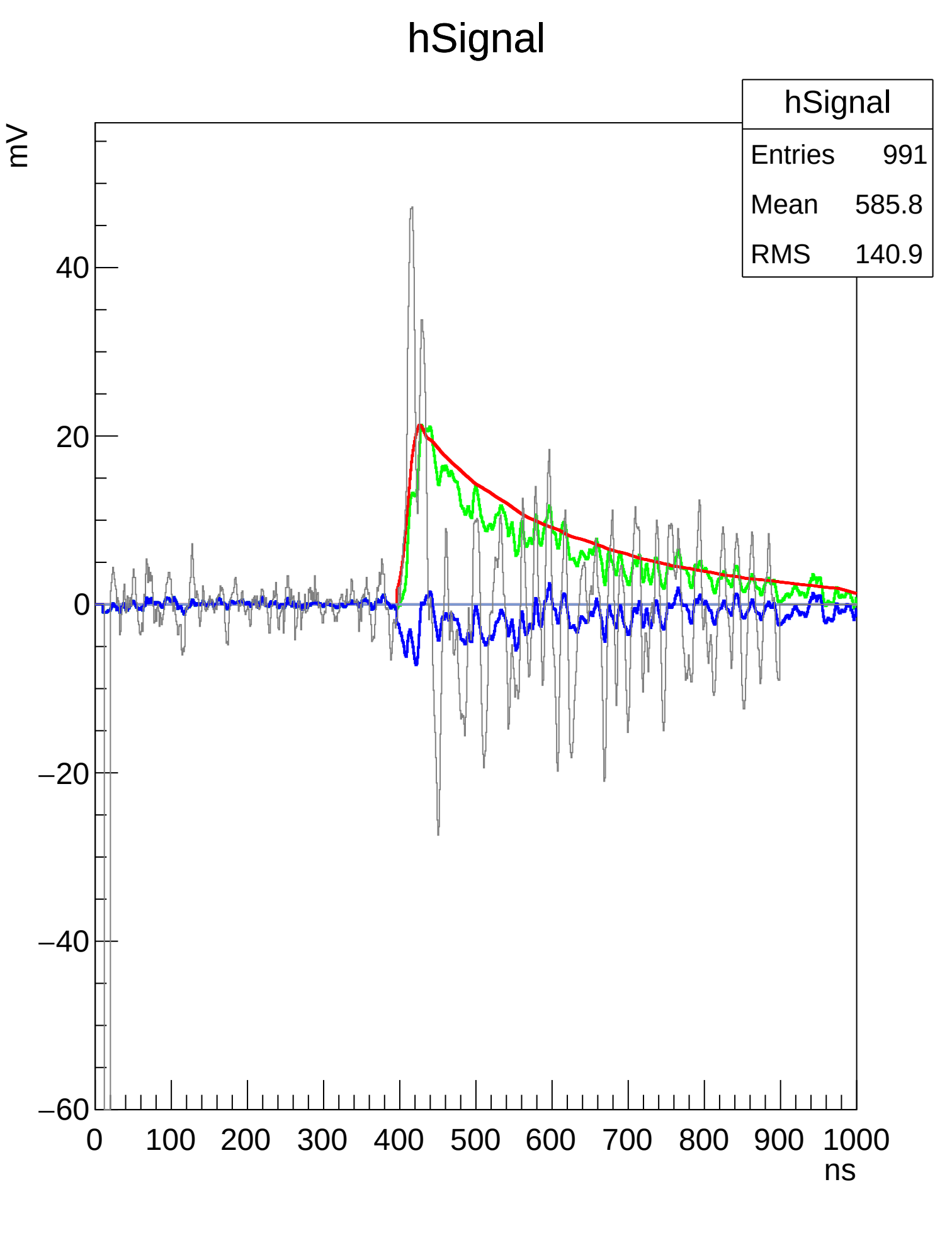
hSignal
hSignal
Entries 991
Mean 585.8
RMS 140.9
mV
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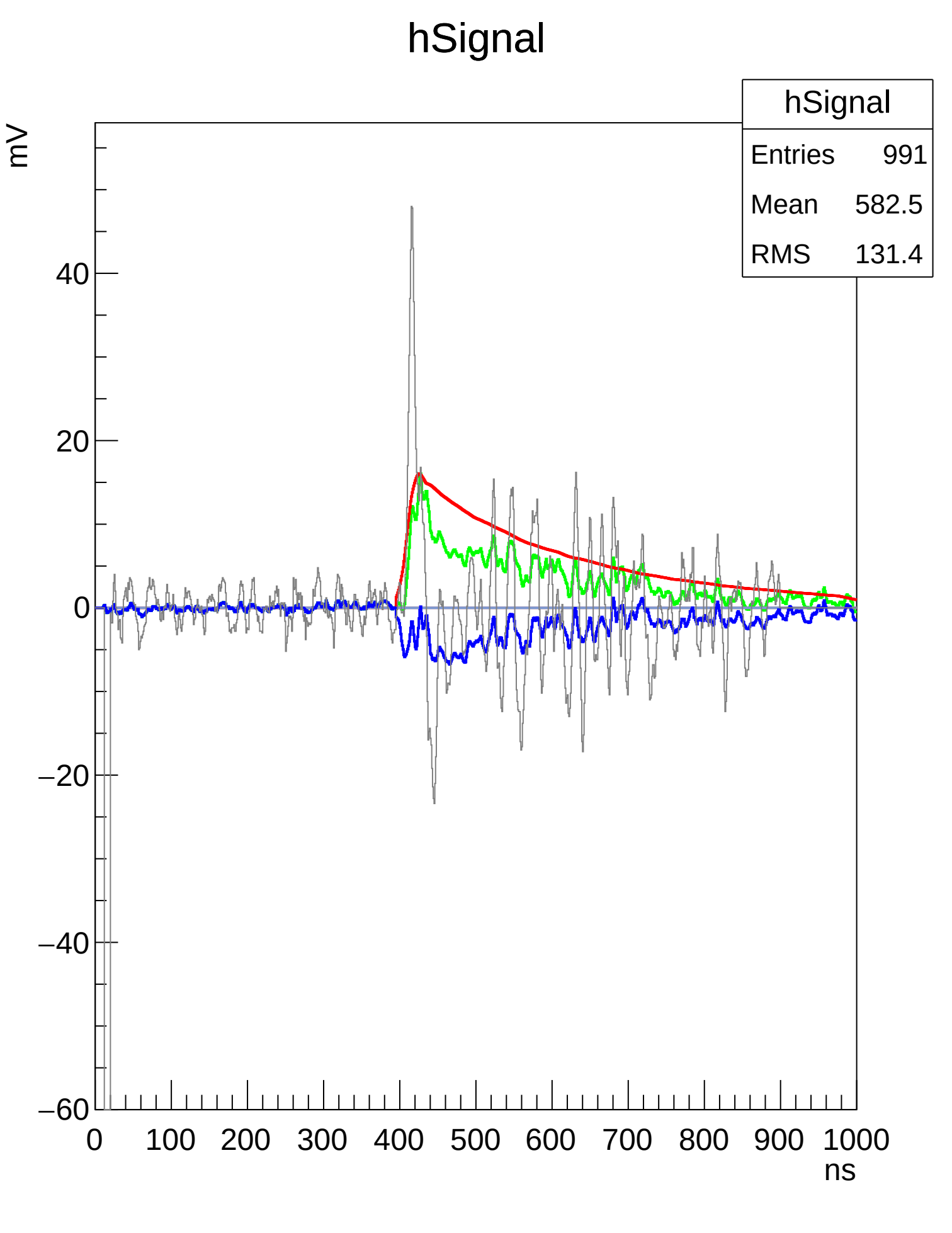
hSignal
hSignal
Entries 991
Mean 582.5
RMS 131.4
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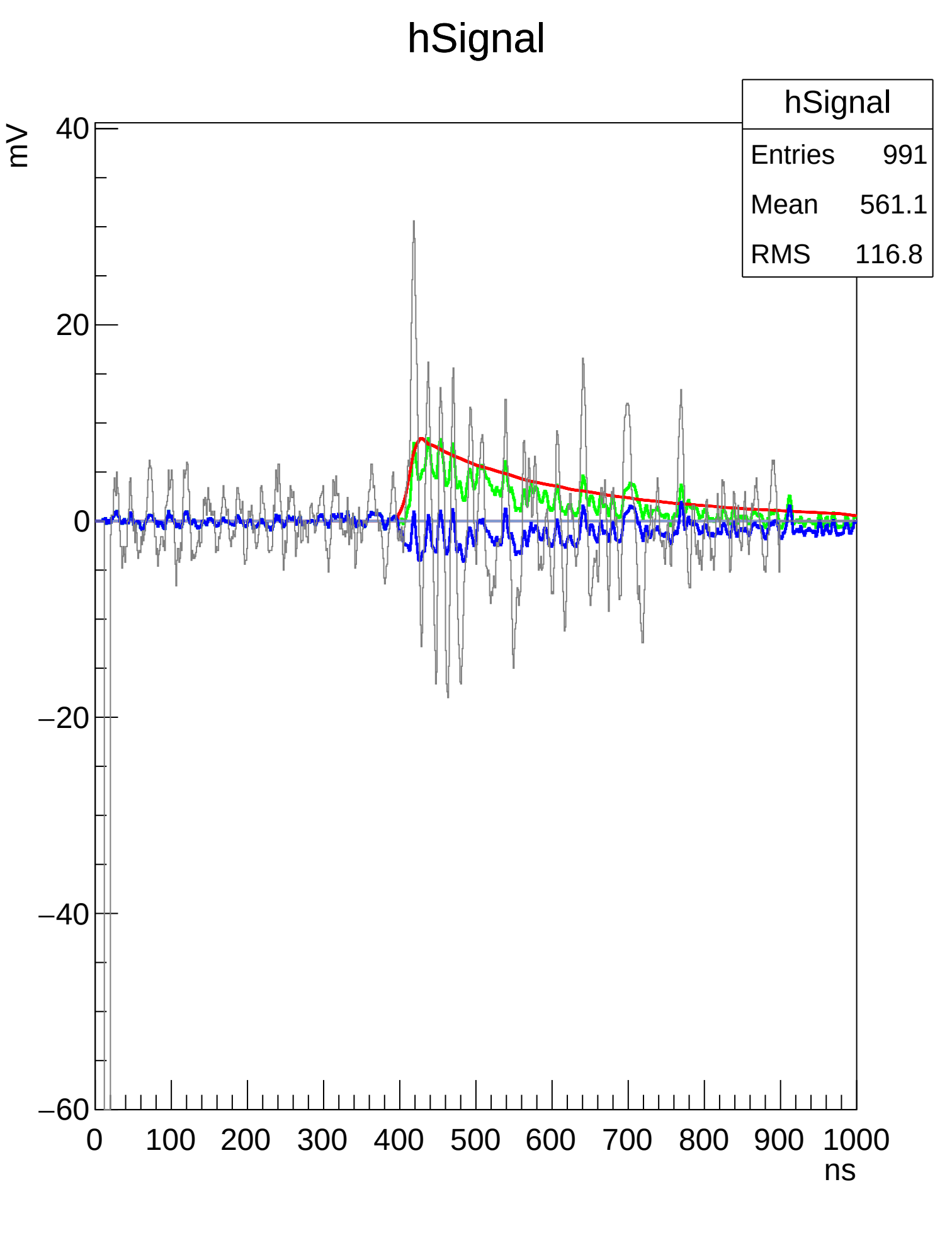
hSignal
hSignal
Entries 991
Mean 561.1
RMS 116.8
mV
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−20
−40
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0
100
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400
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600
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800
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1000
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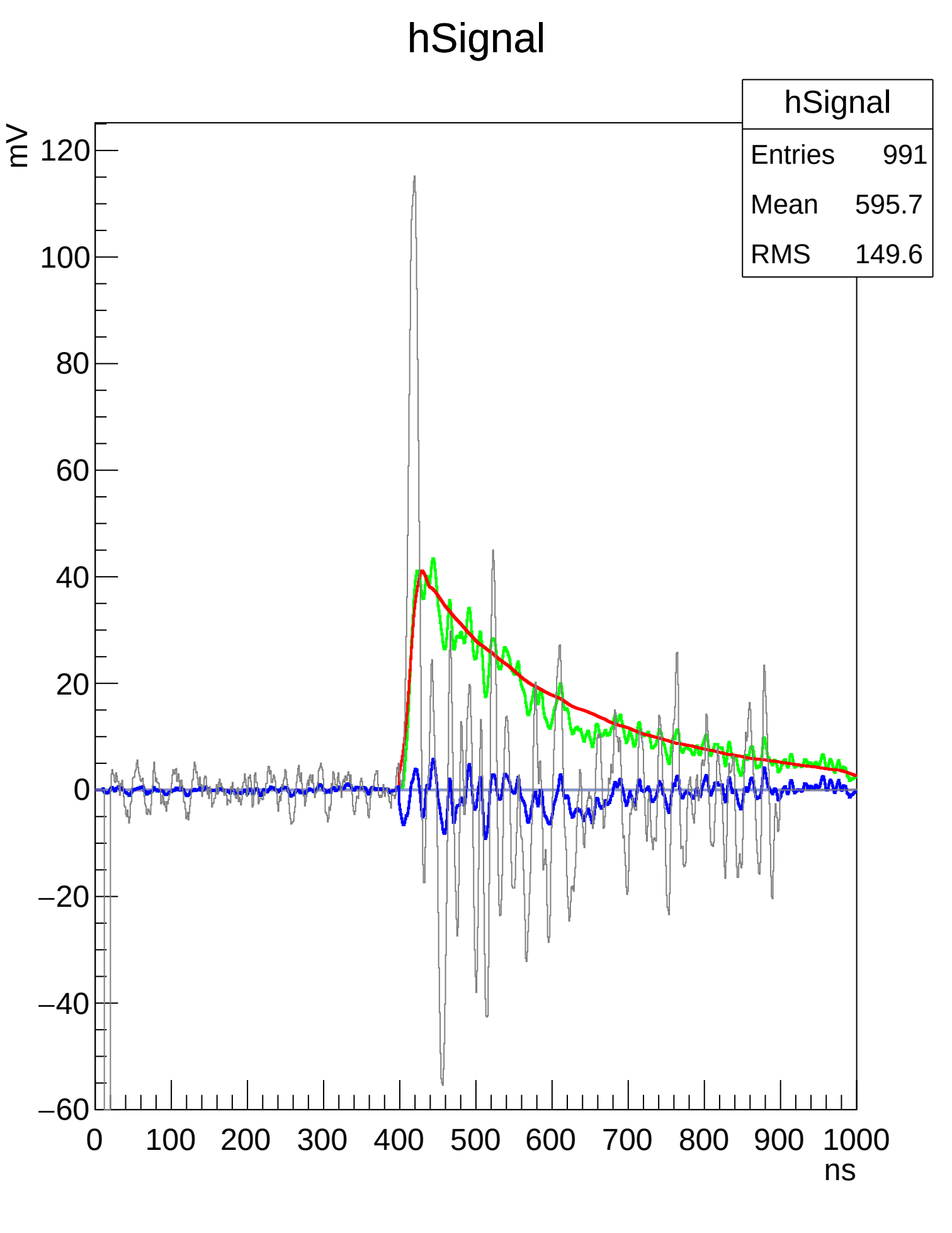
hSignal
hSignal
Entries 991
Mean 595.7
RMS 149.6
mV
120
100
80
60
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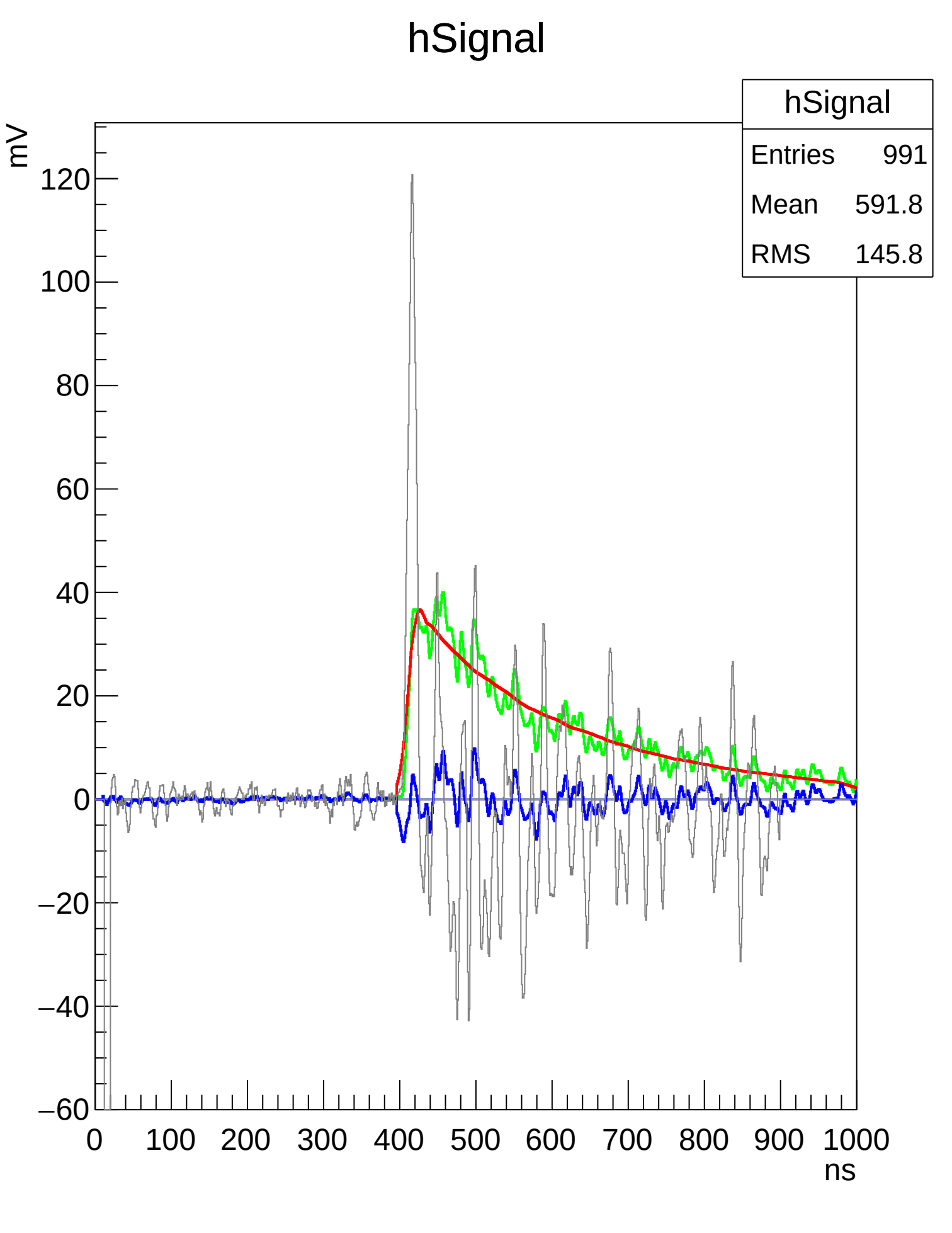
1000
ns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hSignal
Entries 991
Mean 591.8
RMS 145.8
mV
120
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800
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1000
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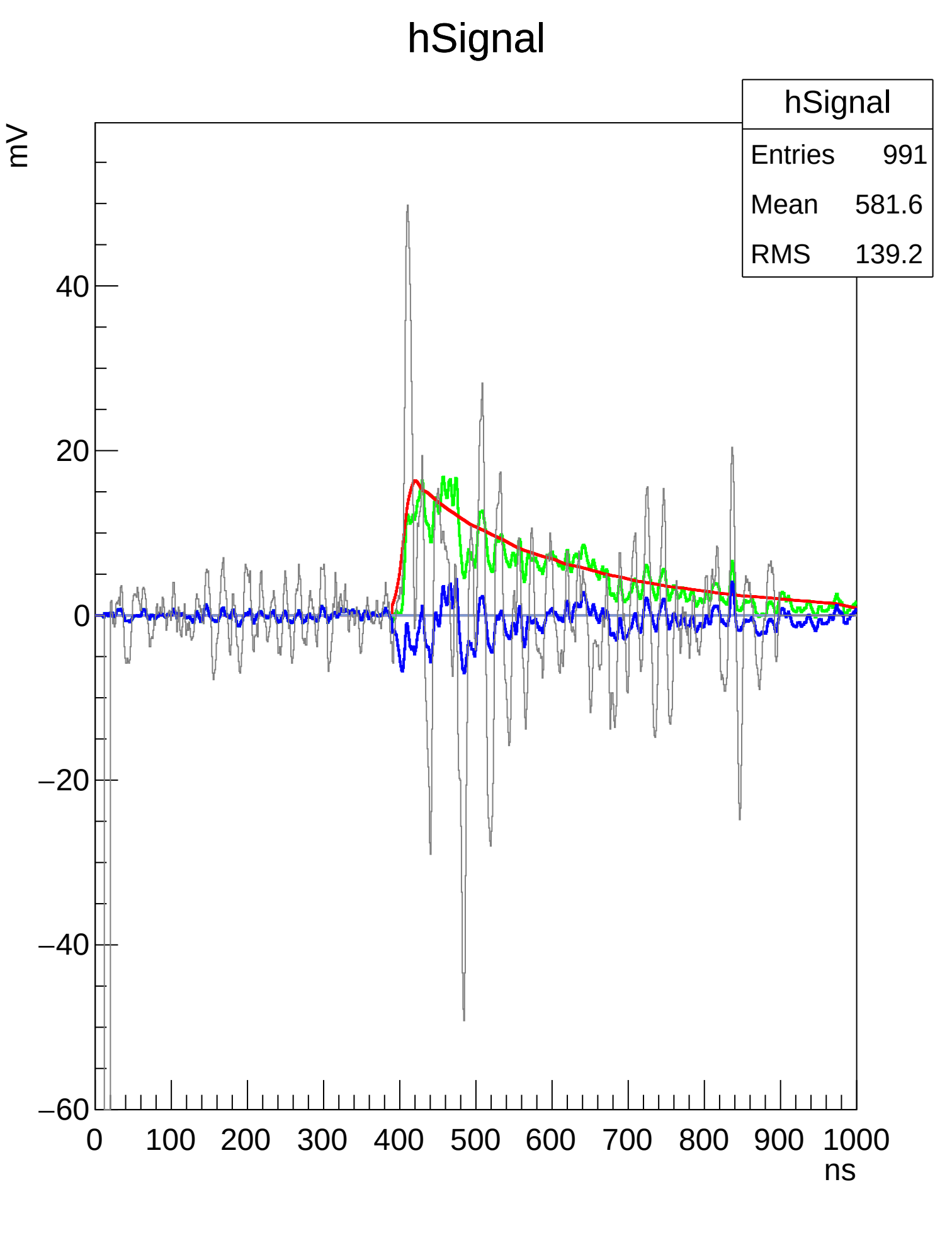
hSignal
hSignal
Entries 991
Mean 581.6
RMS 139.2
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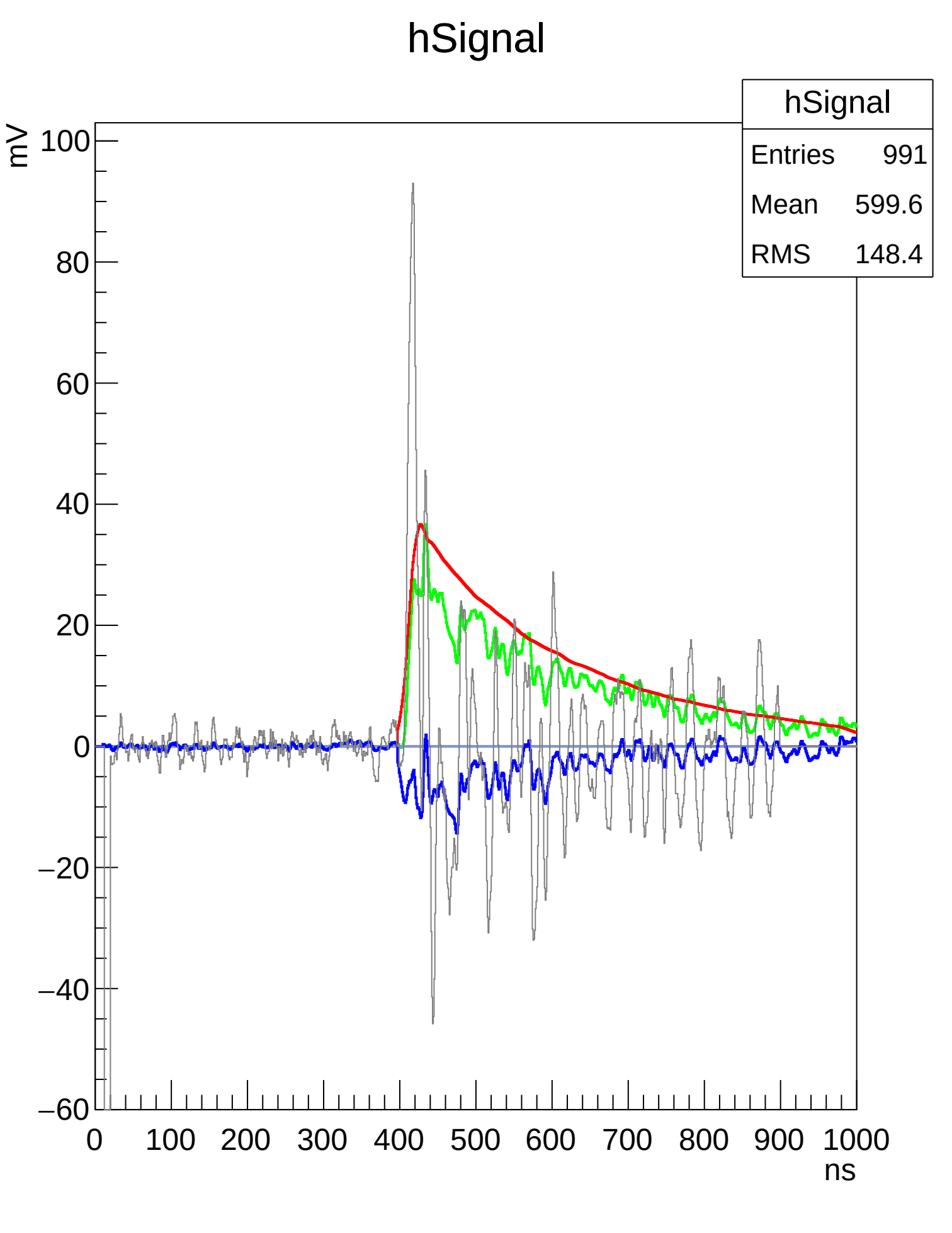
1000
ns


hSignal
hSignal
Entries 991
Mean 599.6
RMS 148.4
mV
100
80
60
40
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−40
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0
100
200
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400
500
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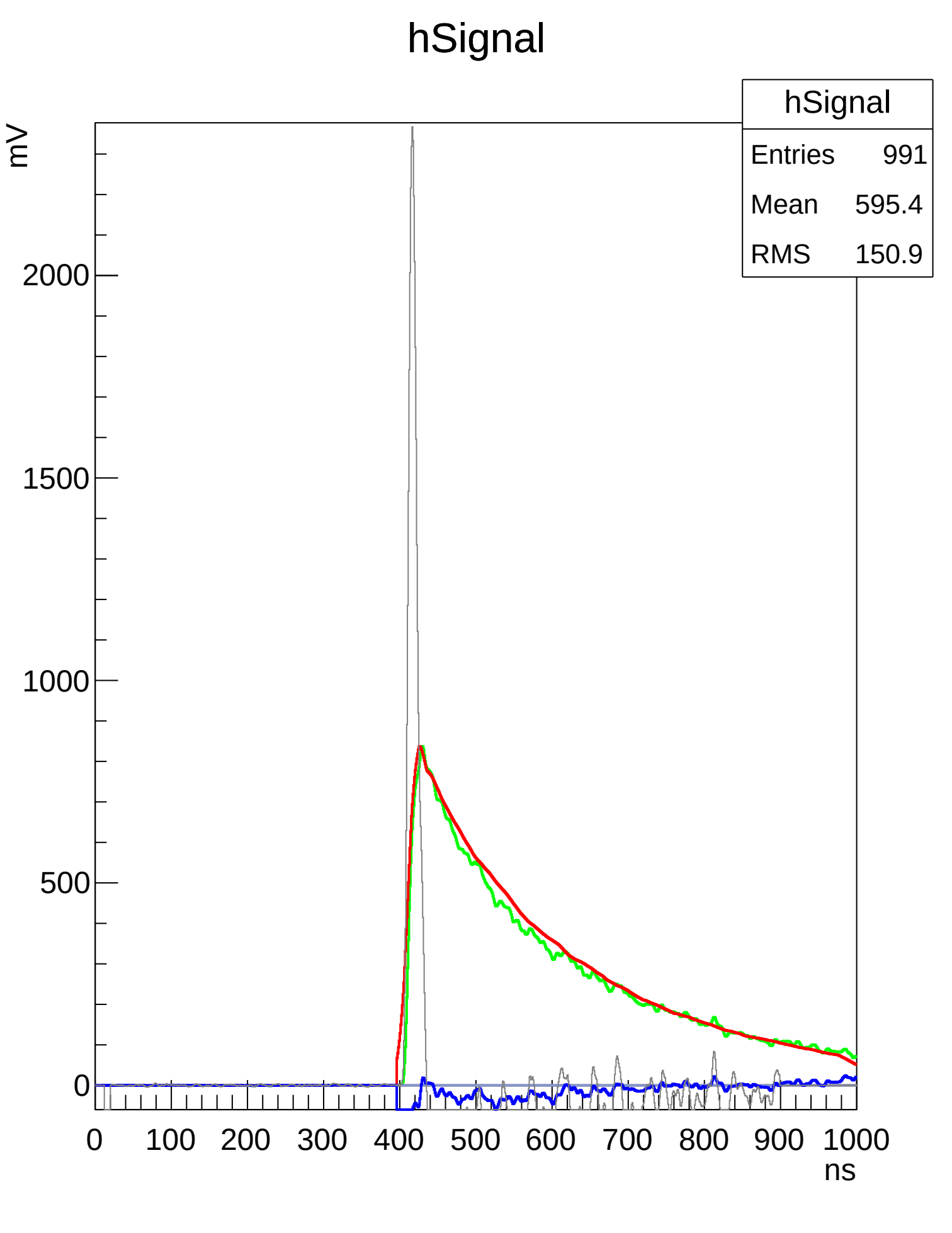
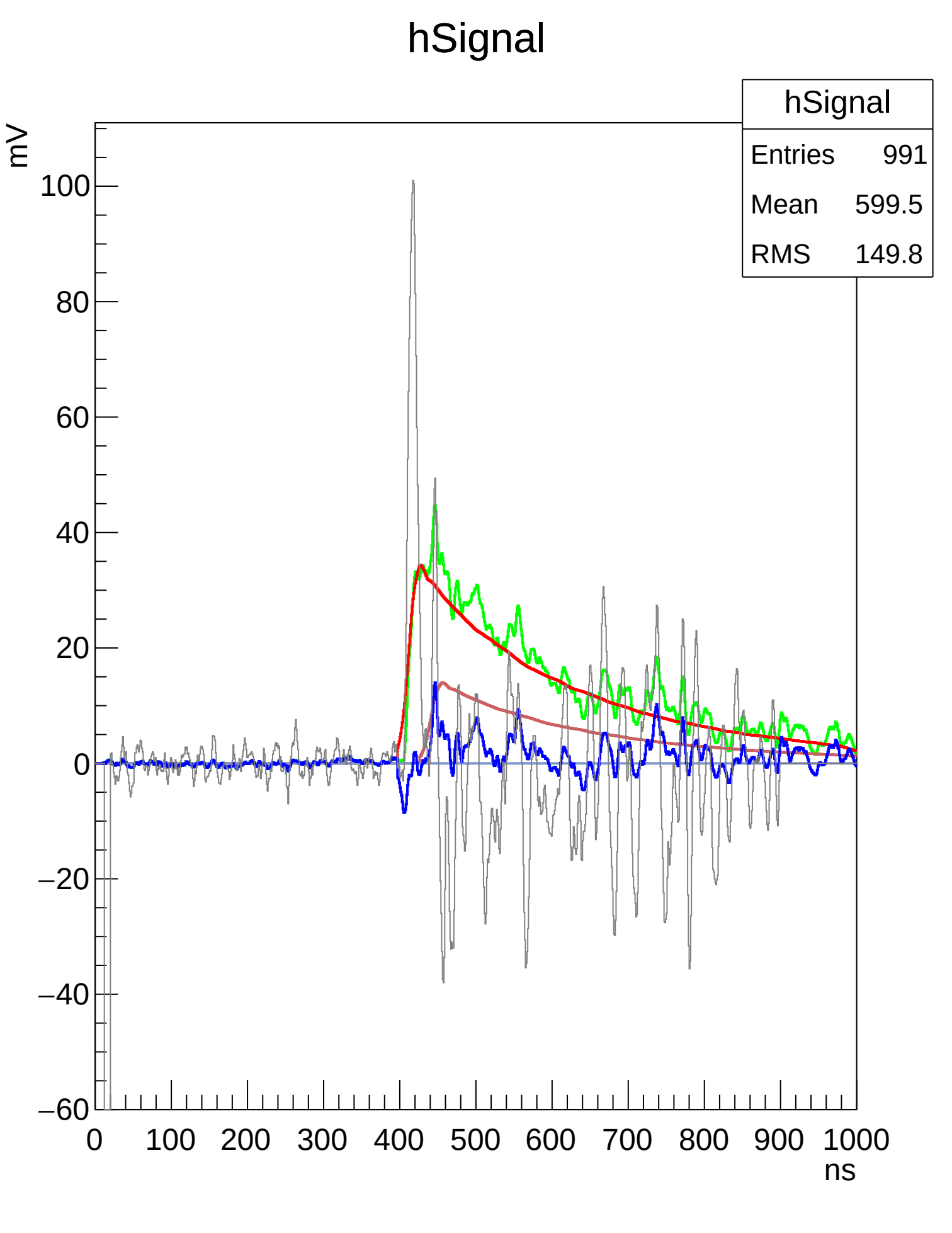
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.4
RMS 150.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 599.5
RMS 149.8
mV
100
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0
100
200
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400
500
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800
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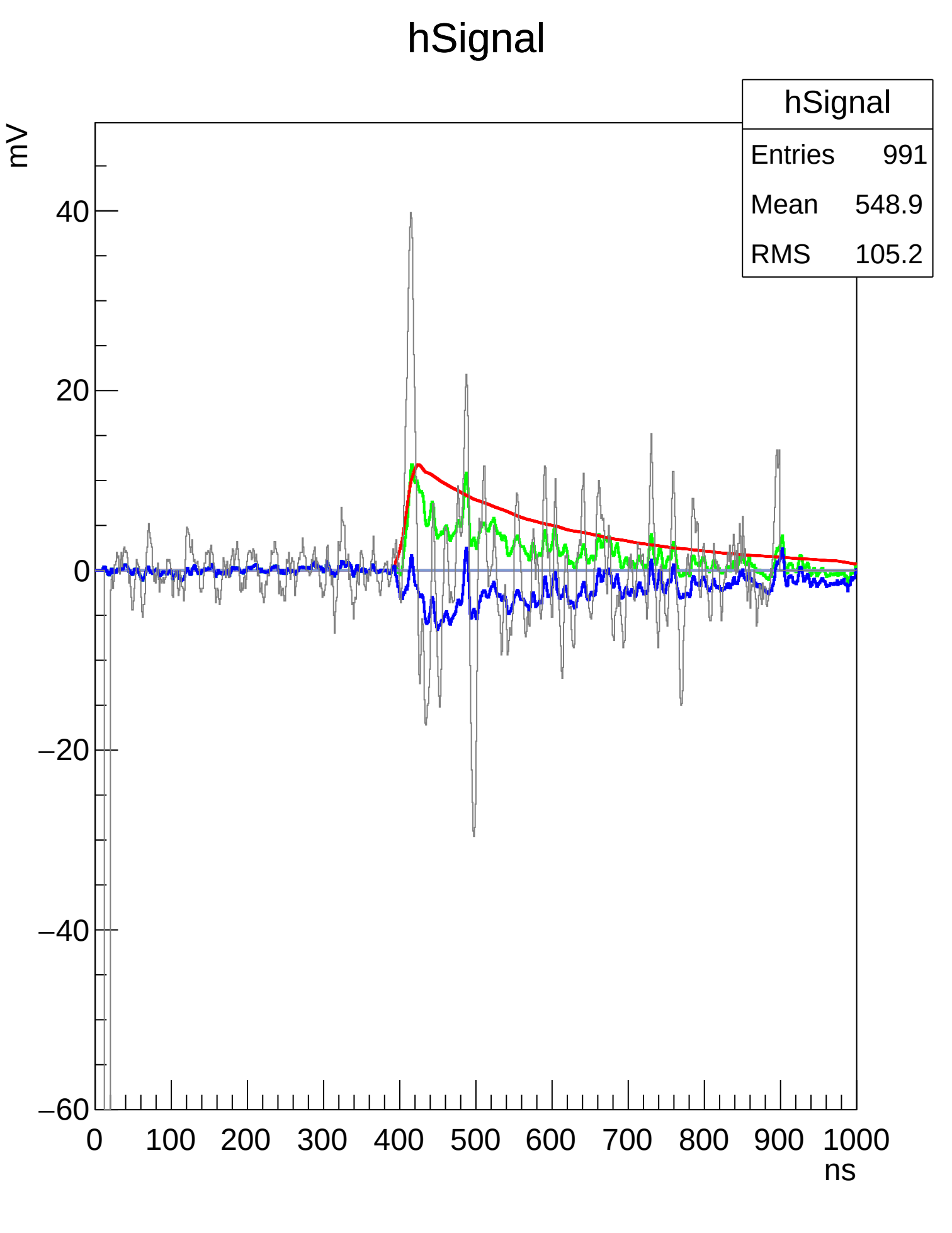
1000
ns


hSignal
hSignal
Entries 991
Mean 548.9
RMS 105.2
mV
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−20
−40
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0
100
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600
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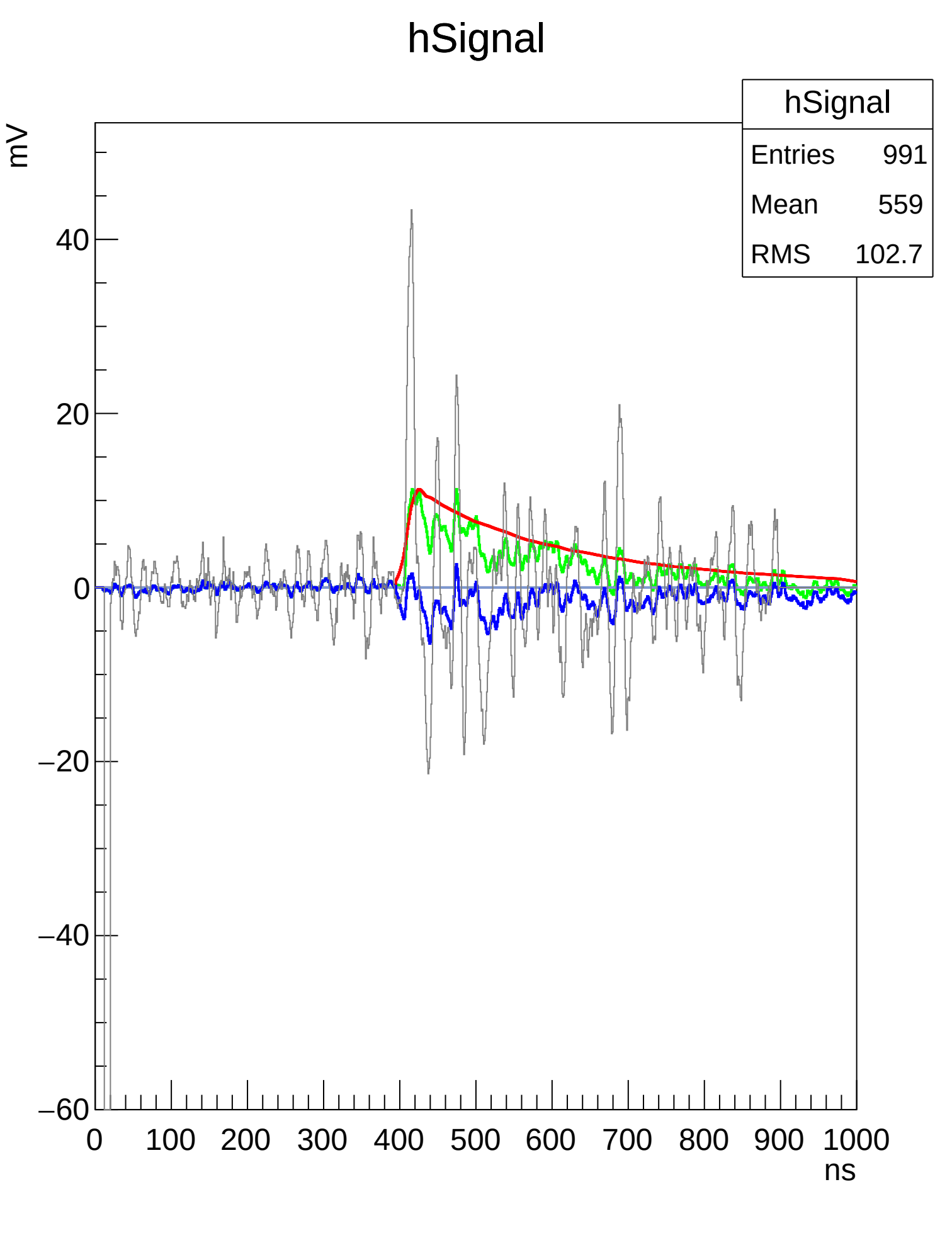
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559
RMS 102.7
mV
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−20
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0
100
200
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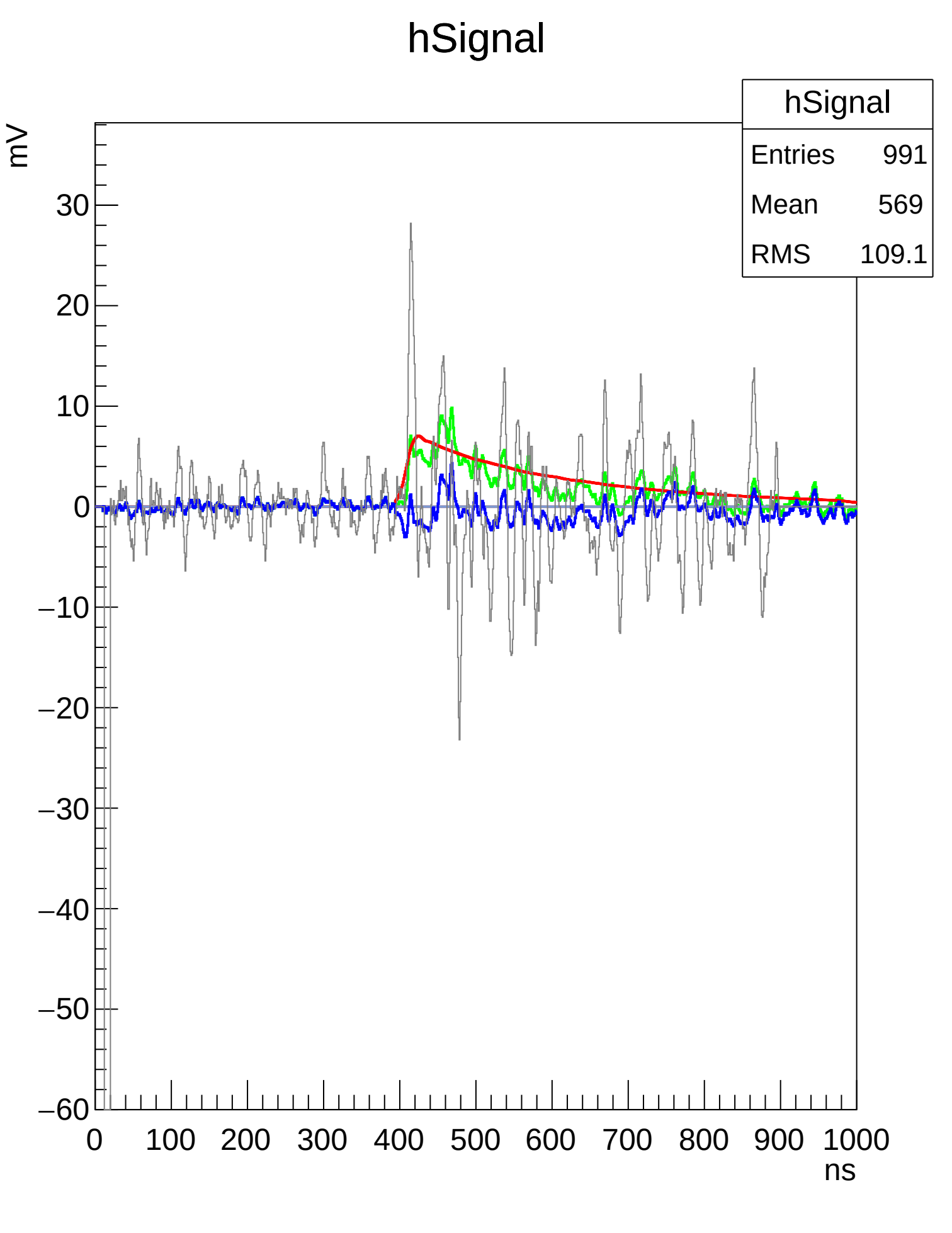
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569
RMS 109.1
mV
30
20
10
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600
700
800
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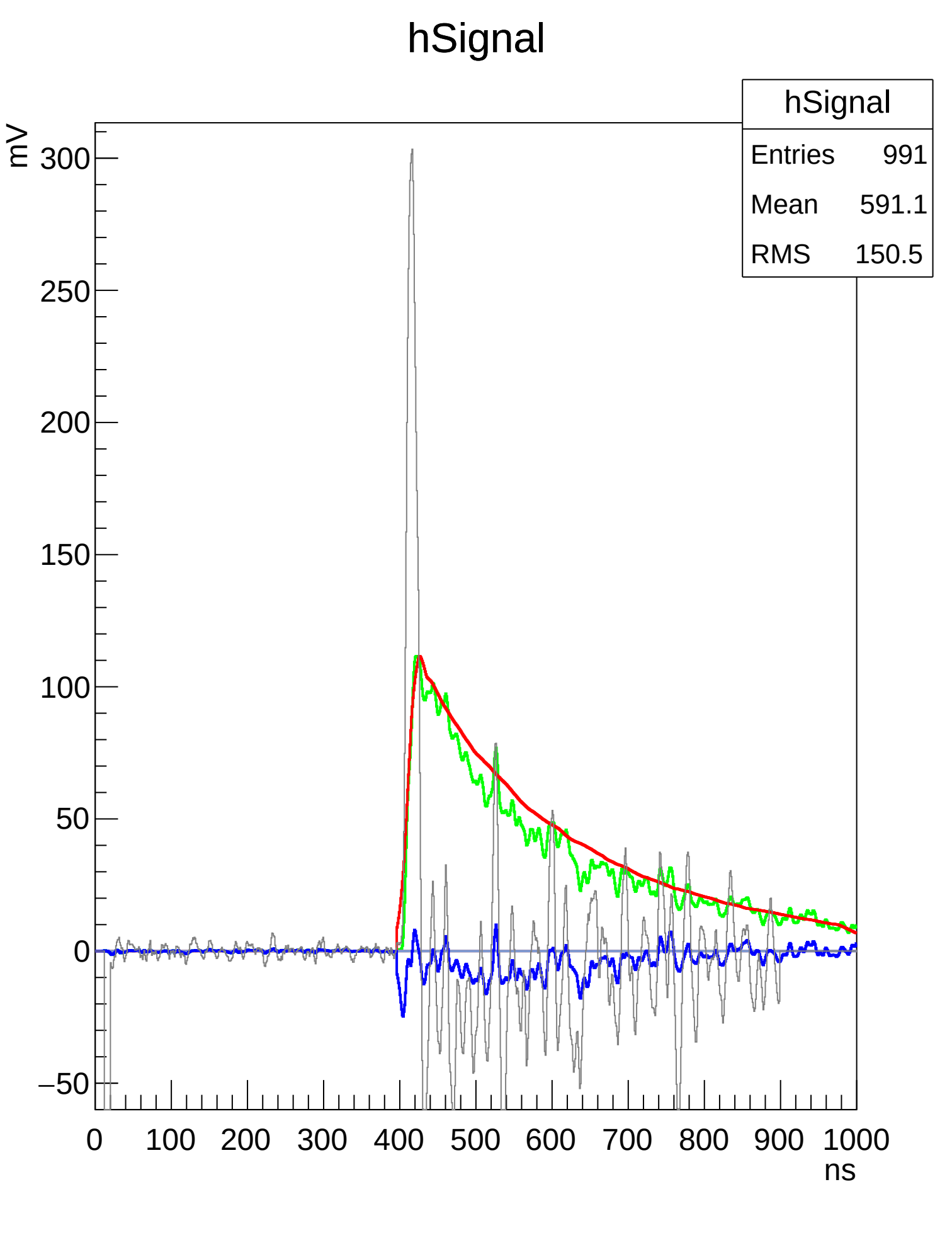
1000
ns


hSignal
hSignal
Entries 991
Mean 591.1
RMS 150.5
mV
300
250
200
150
100
50
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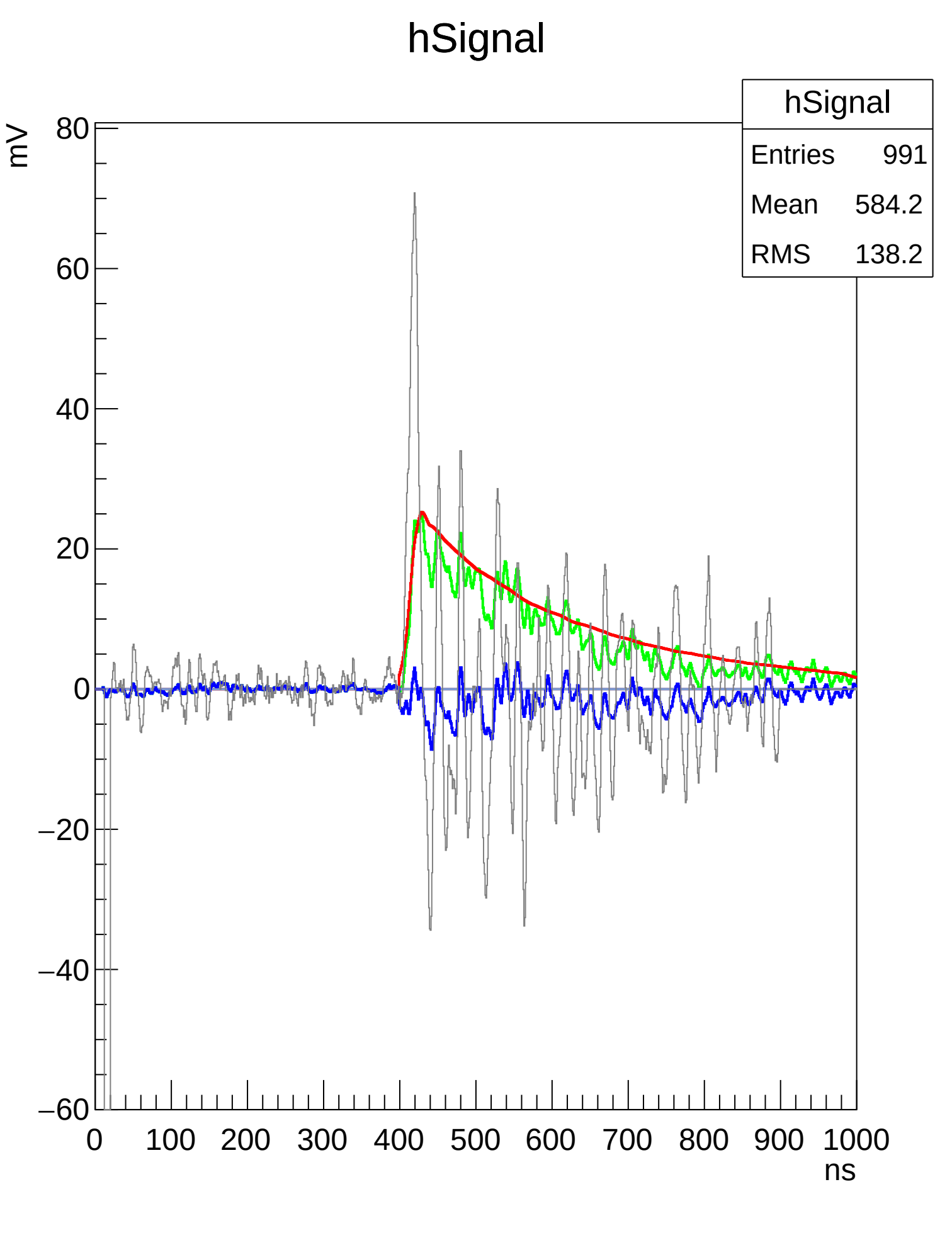
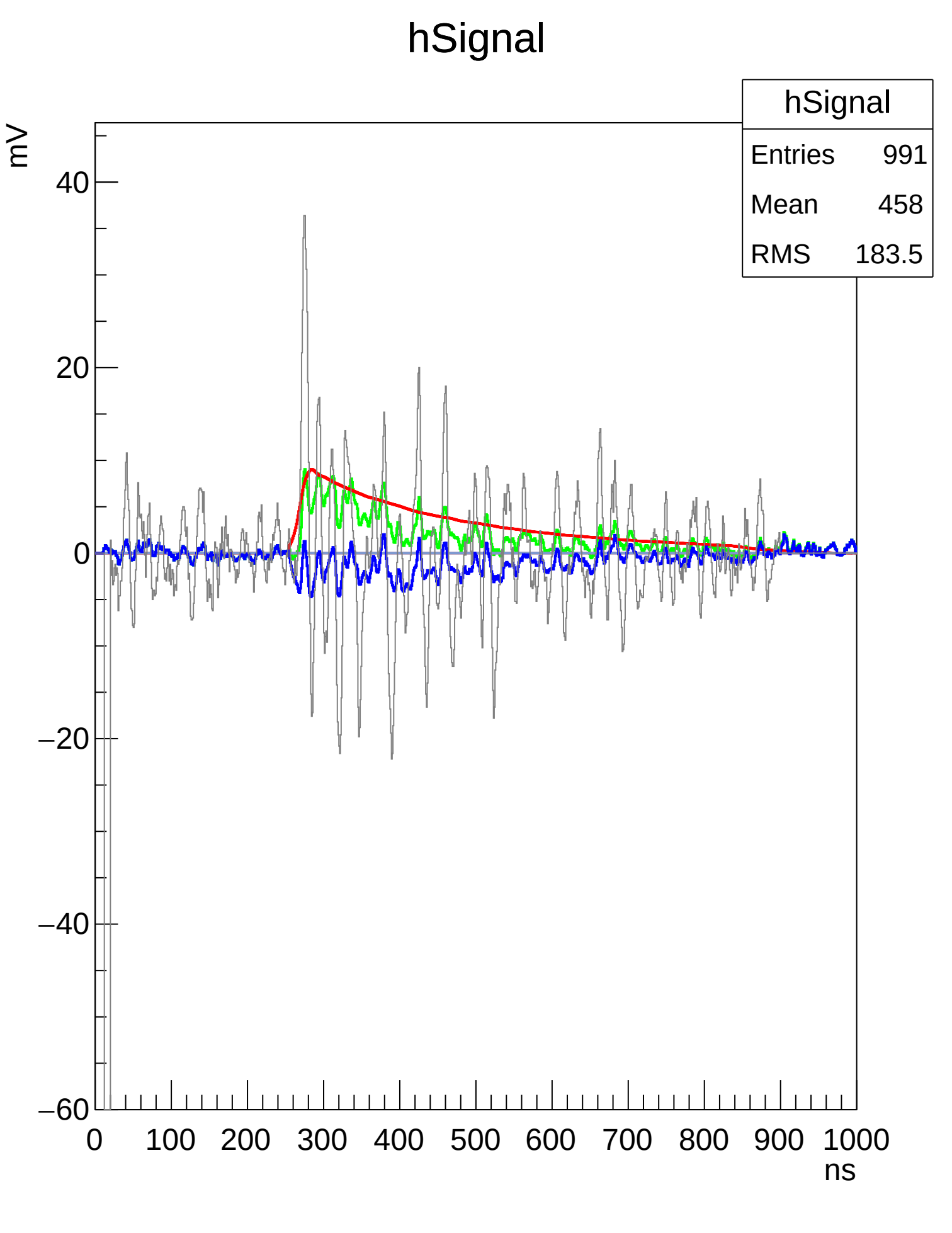
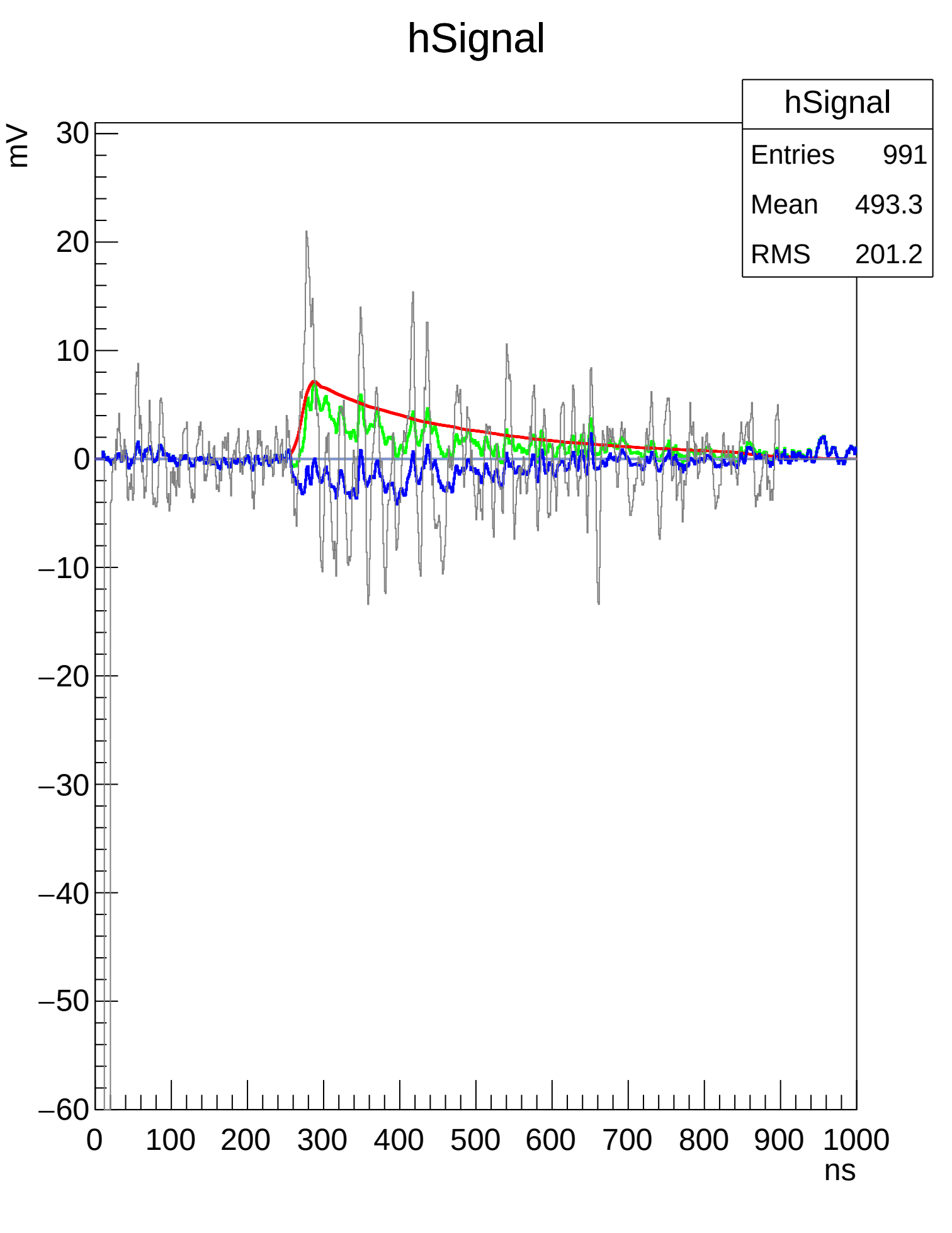
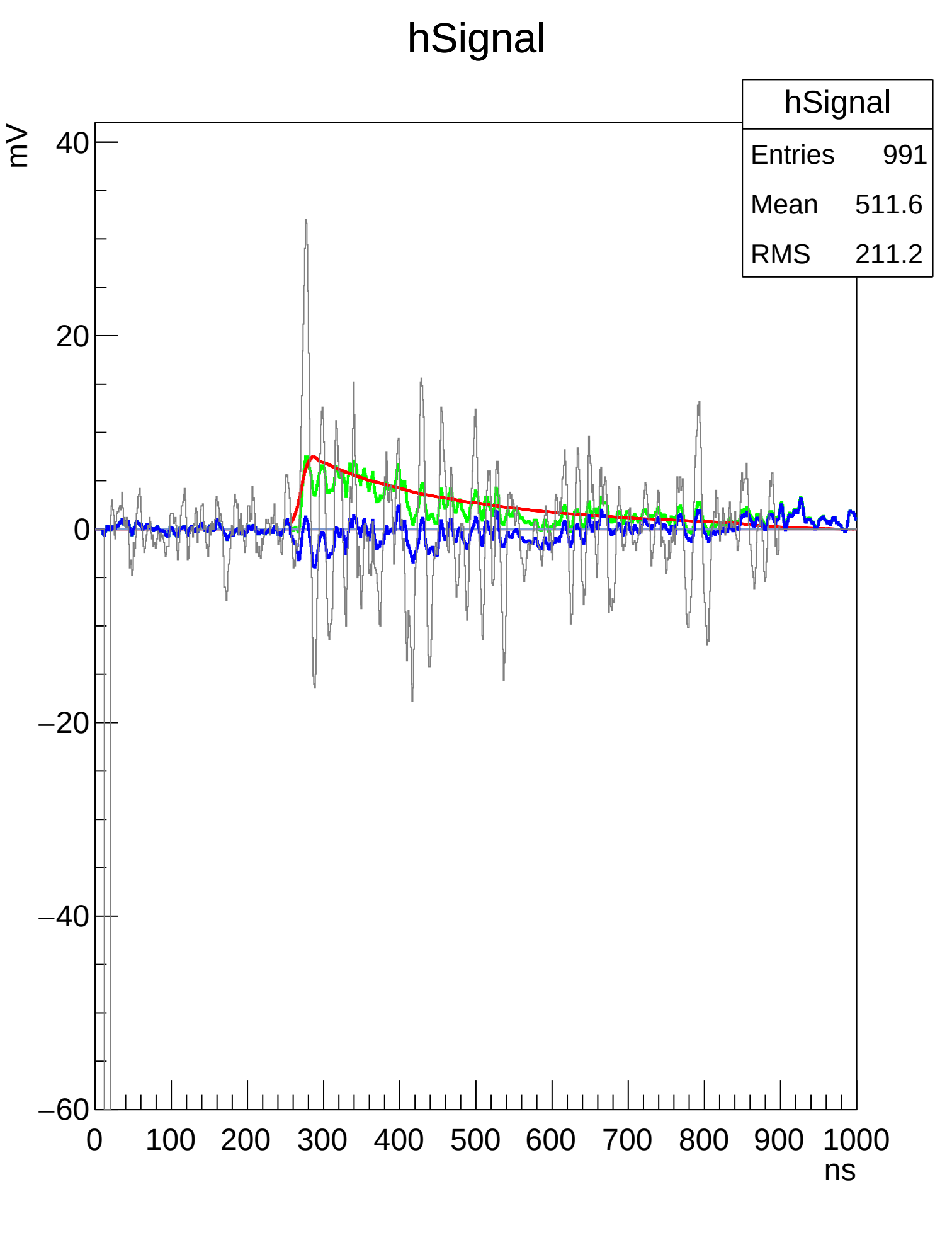
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.2
RMS 138.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 458
RMS 183.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.3
RMS 201.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.6
RMS 211.2
mV
40
20
0
−20
−40
−60
0
100
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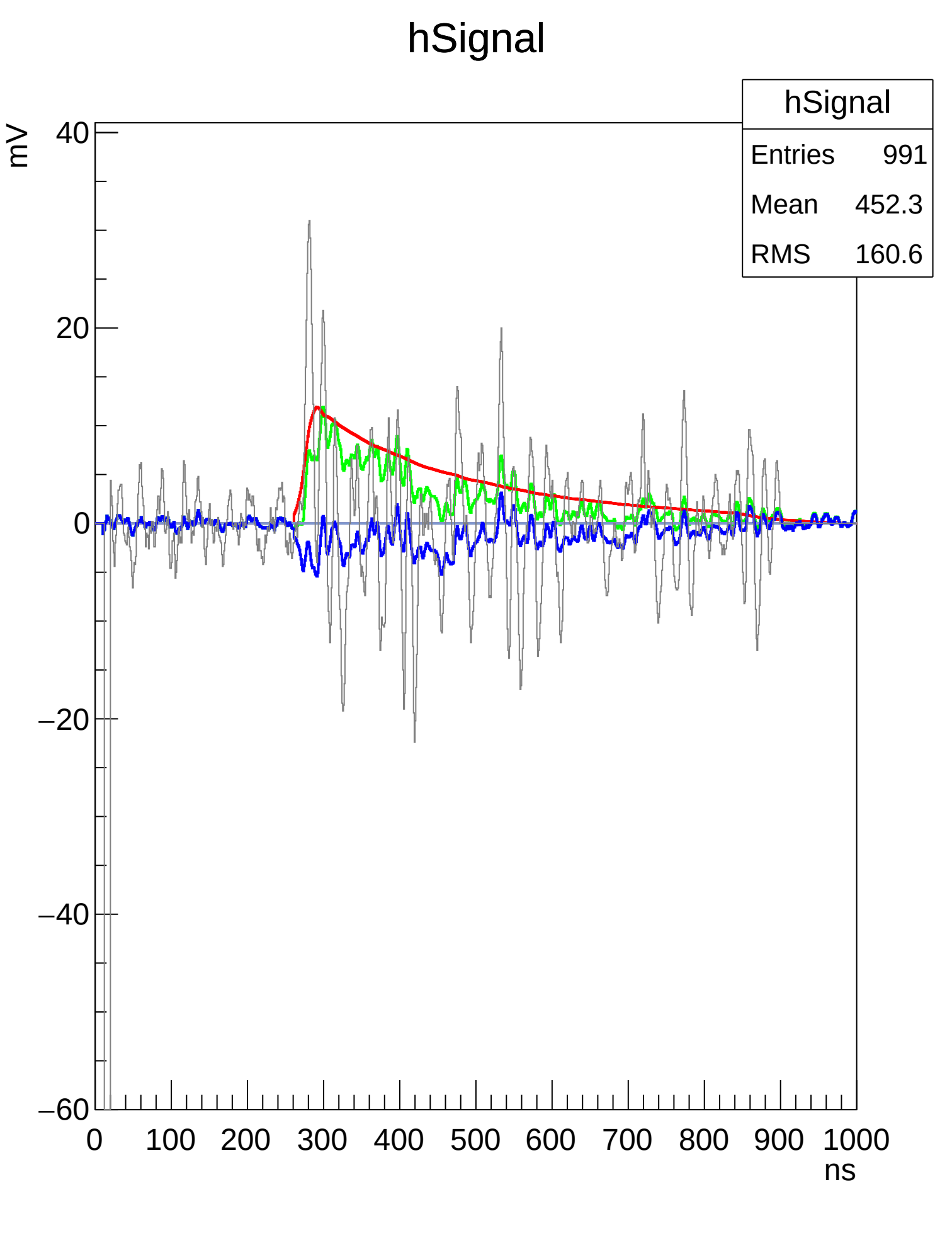
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 452.3
RMS 160.6
mV
40
20
0
−20
−40
−60
0
100
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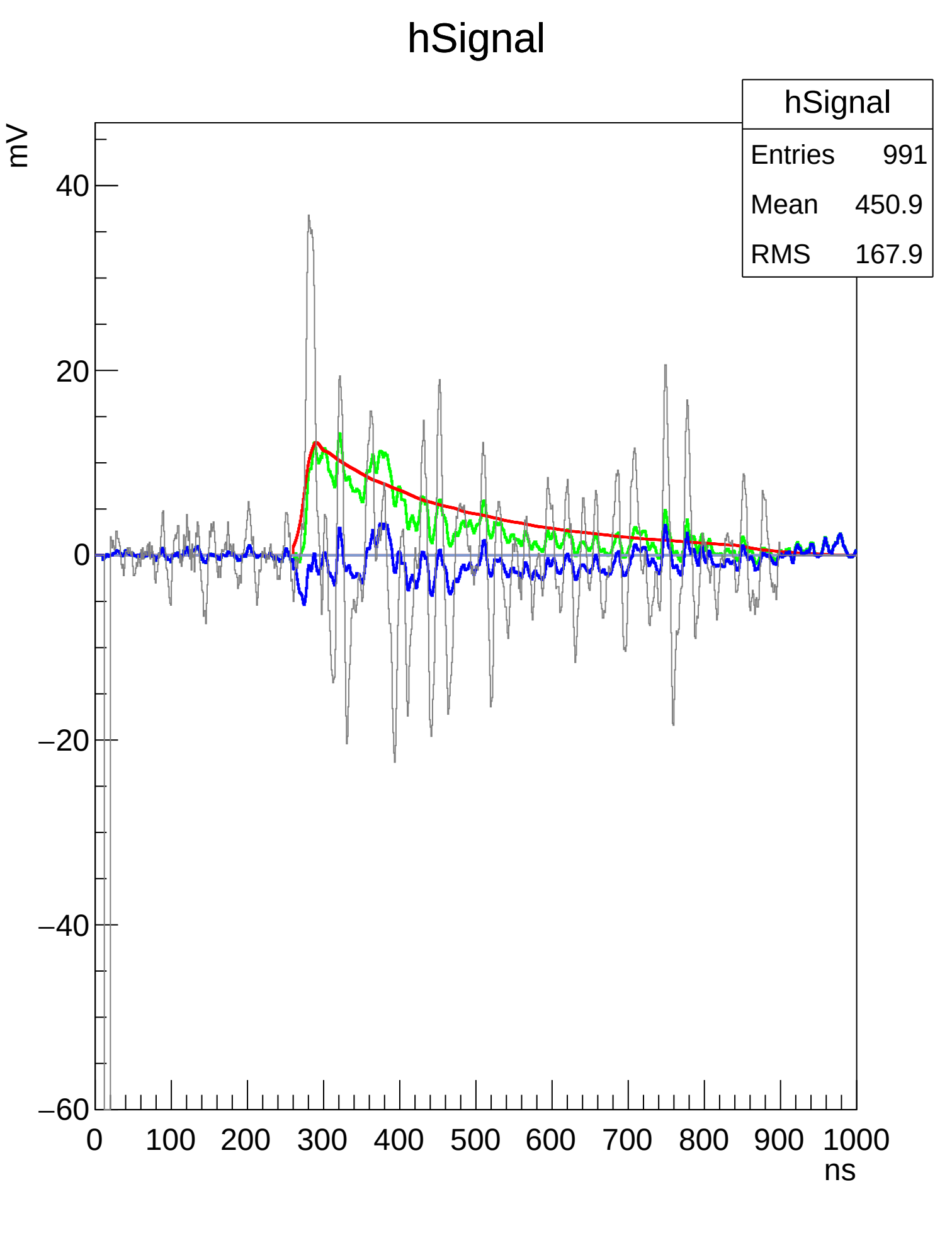
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 450.9
RMS 167.9
mV
40
20
0
−20
−40
−60
0
100
200
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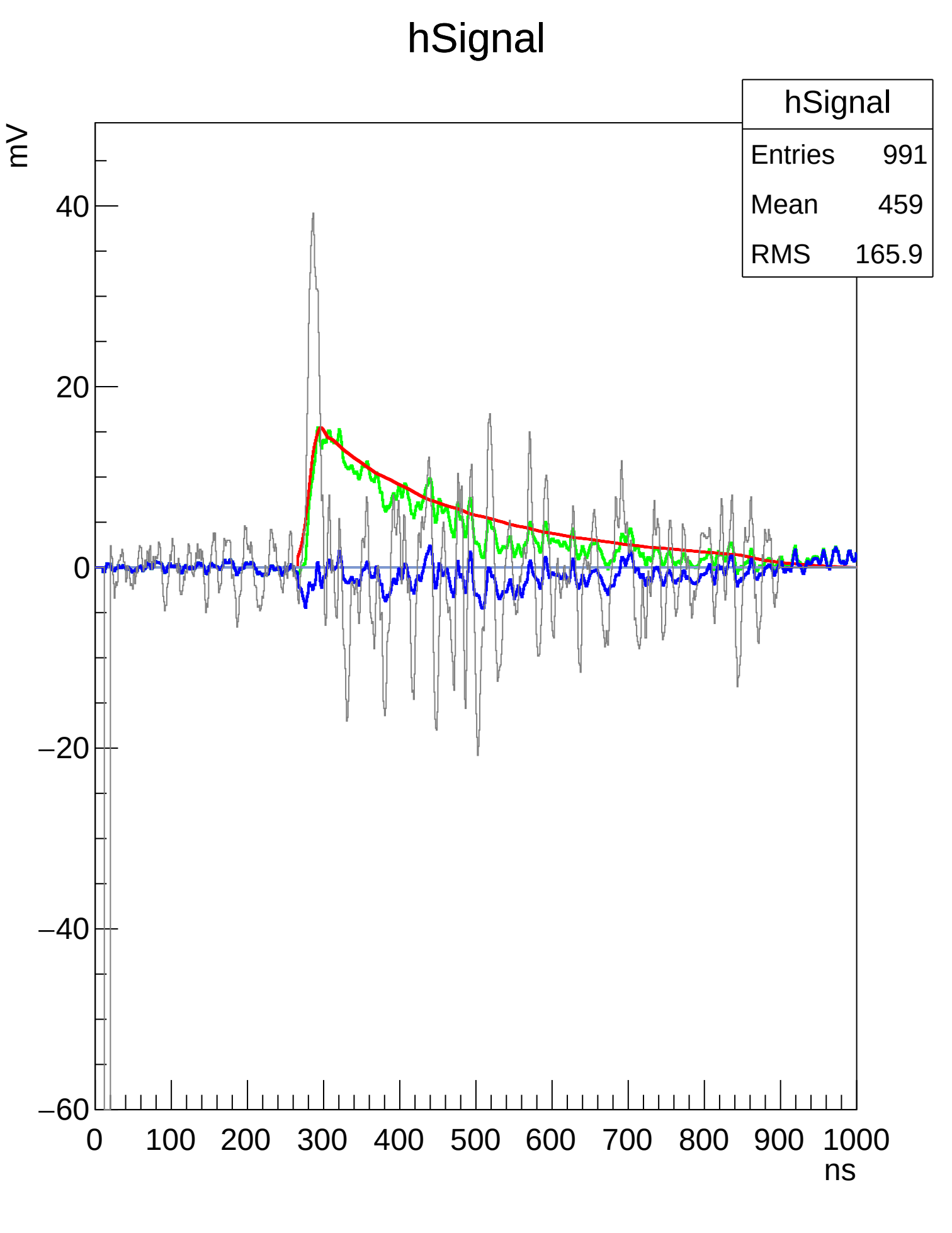
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 459
RMS 165.9
mV
40
20
0
−20
−40
−60
0
100
200
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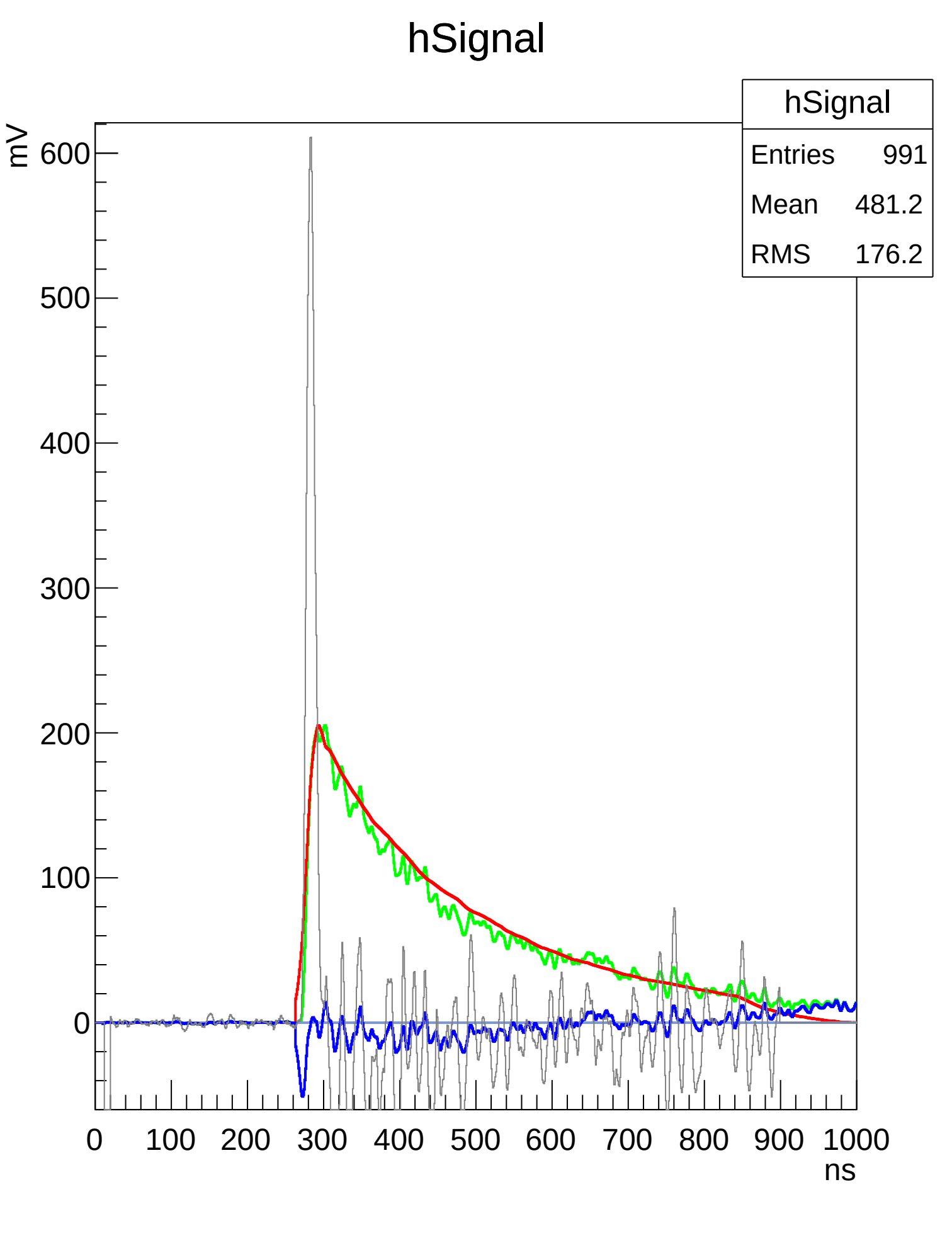
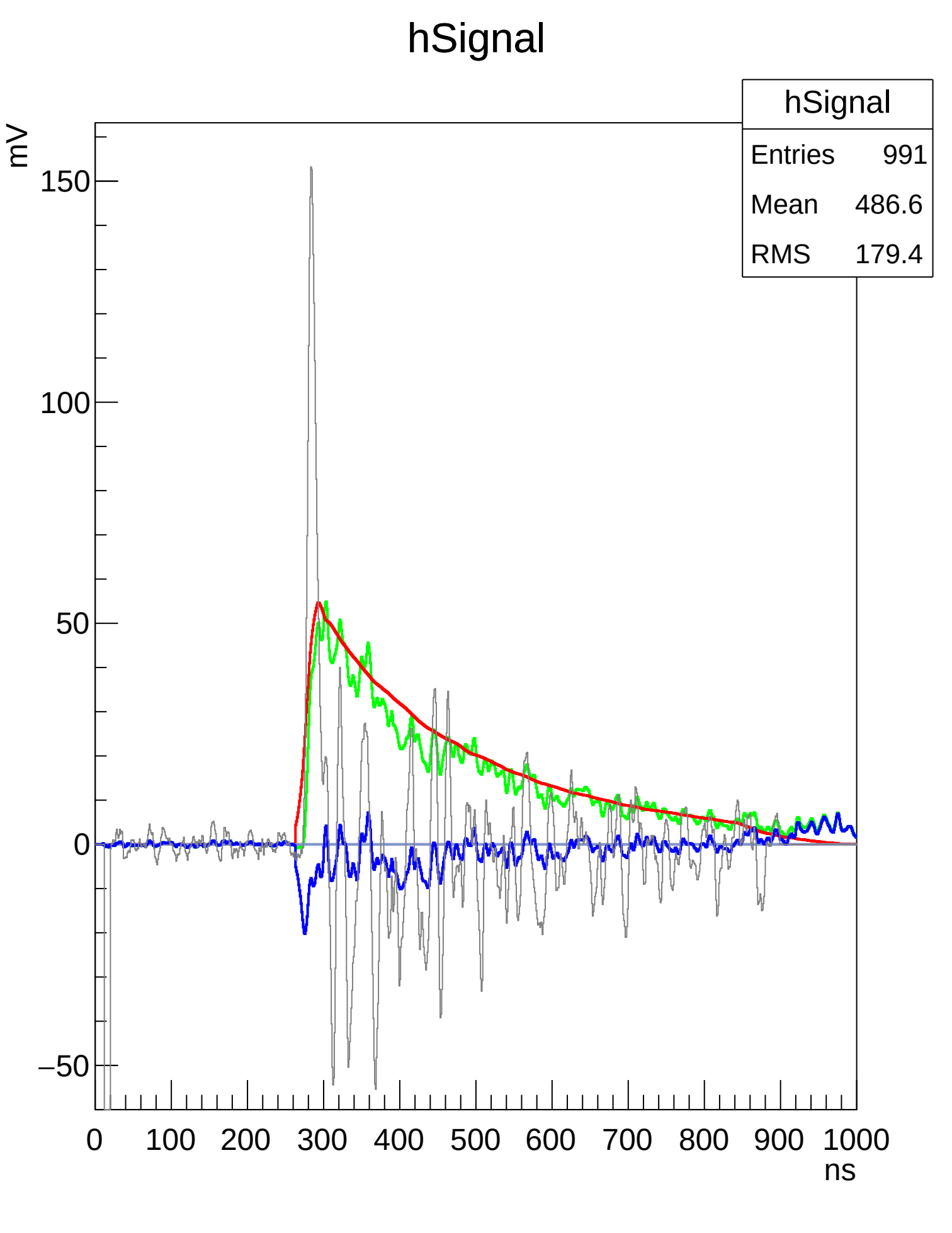
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 481.2
RMS 176.2
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.6
RMS 179.4
mV
150
100
50
0
−50
0
100
200
300
400
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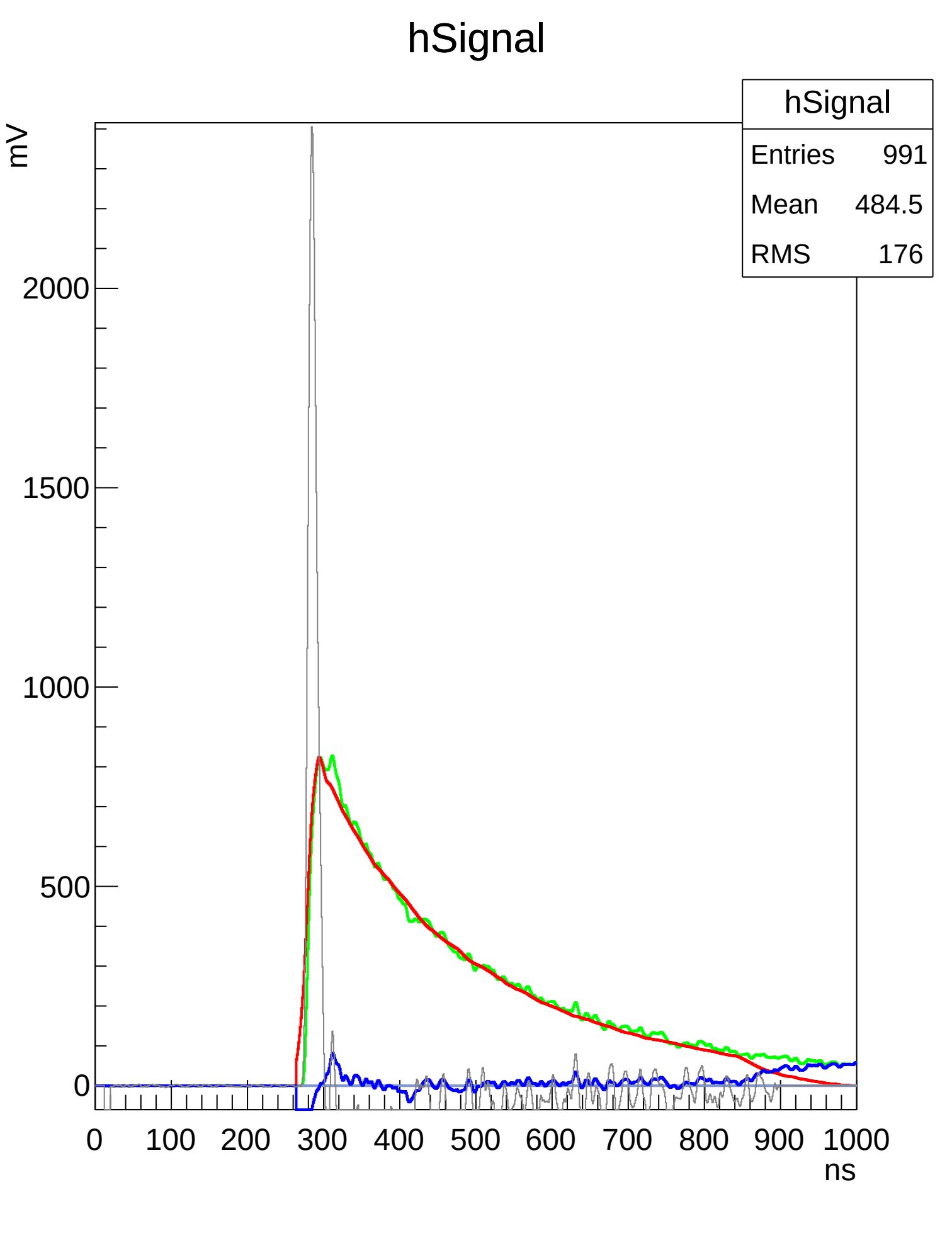
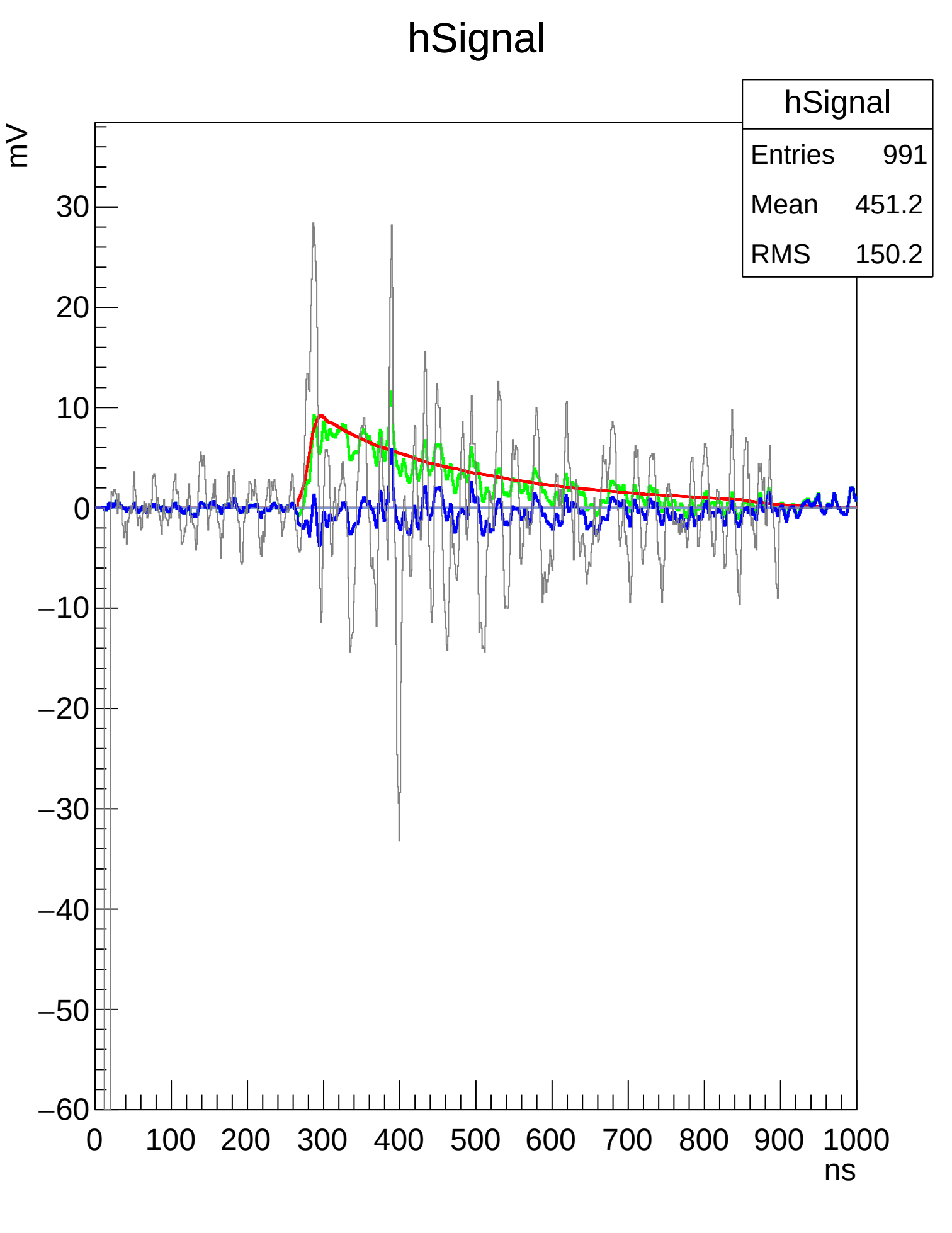
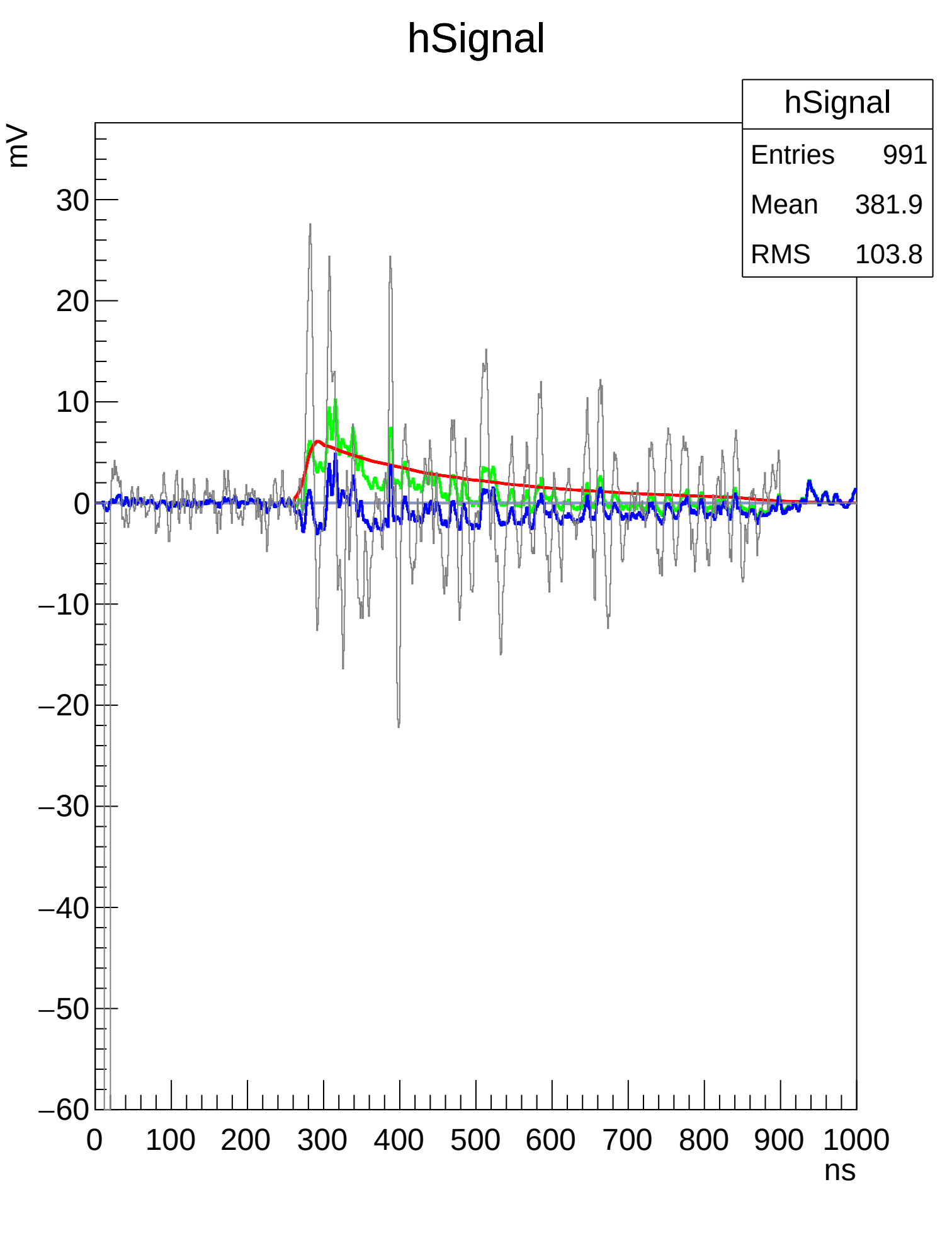
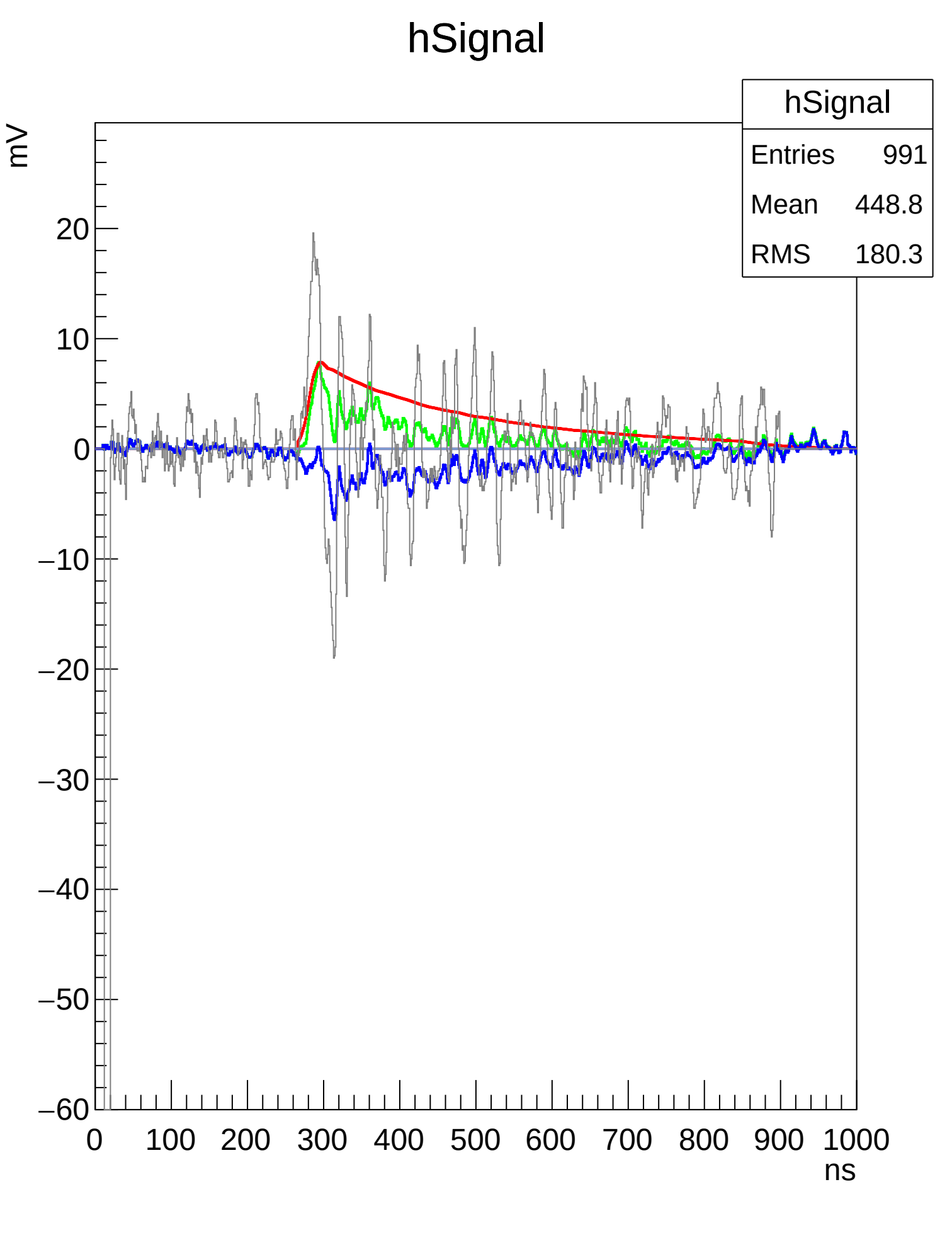
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 484.5
RMS 176
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 451.2
RMS 150.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 381.9
RMS 103.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 448.8
RMS 180.3
mV
20
10
0
−10
−20
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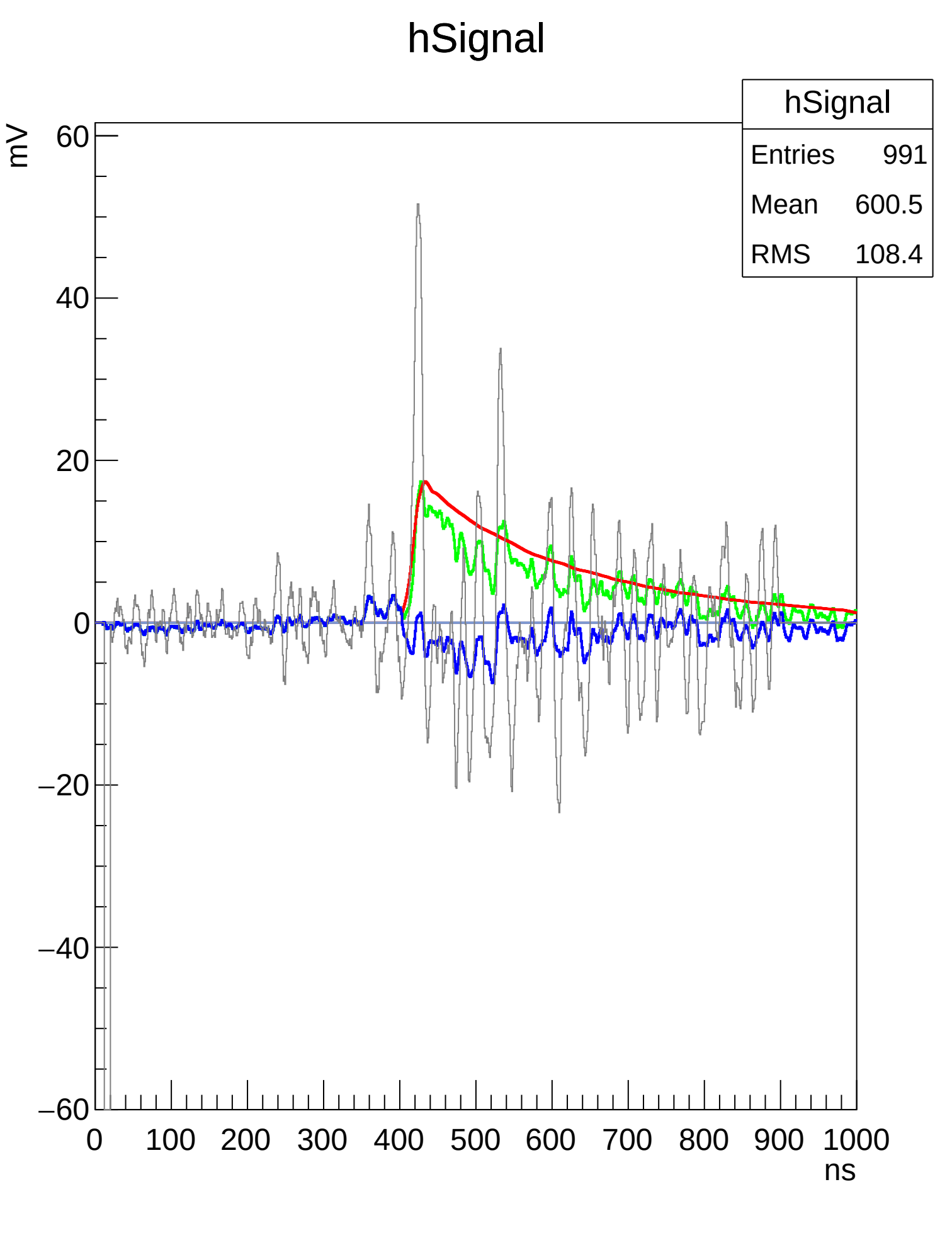
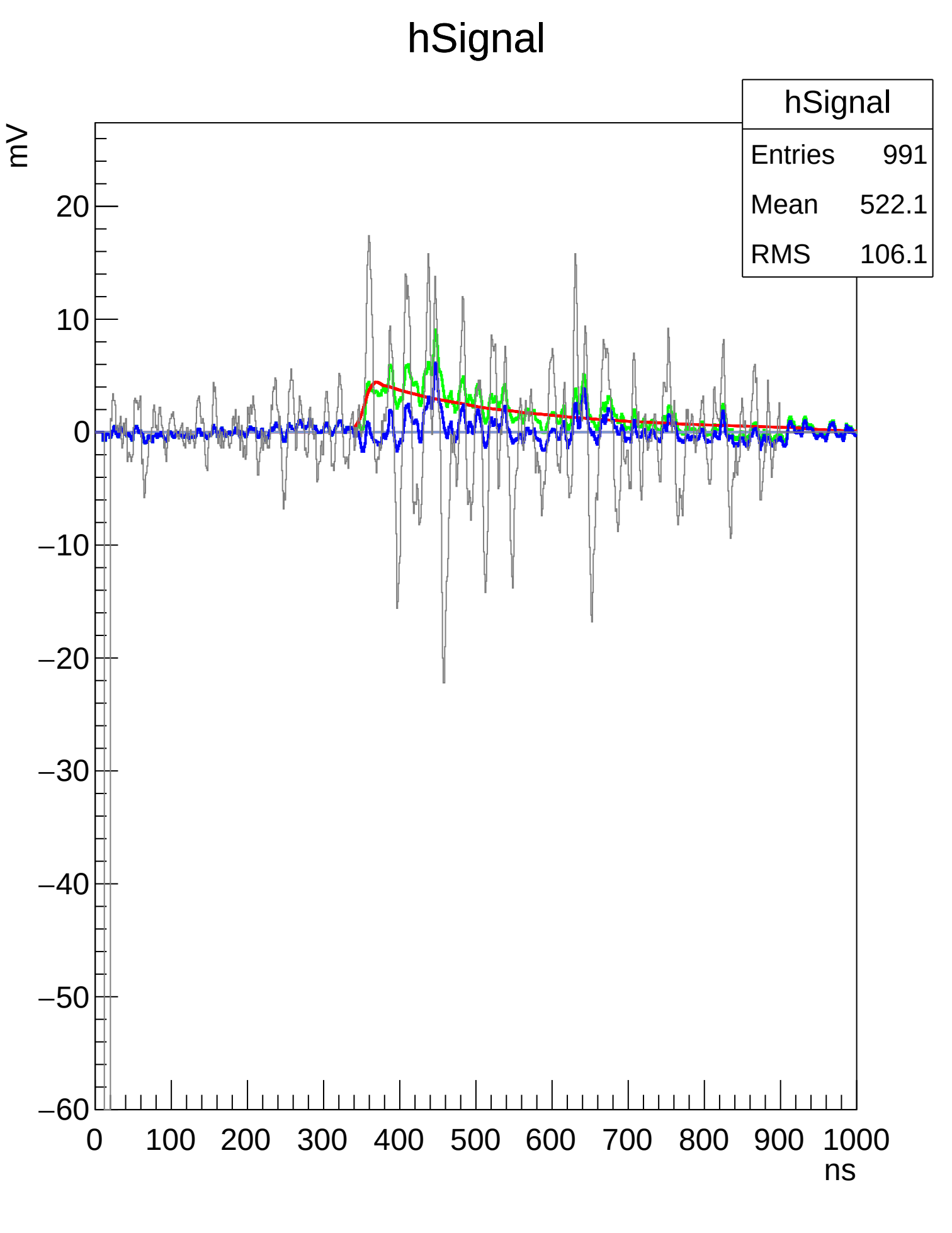
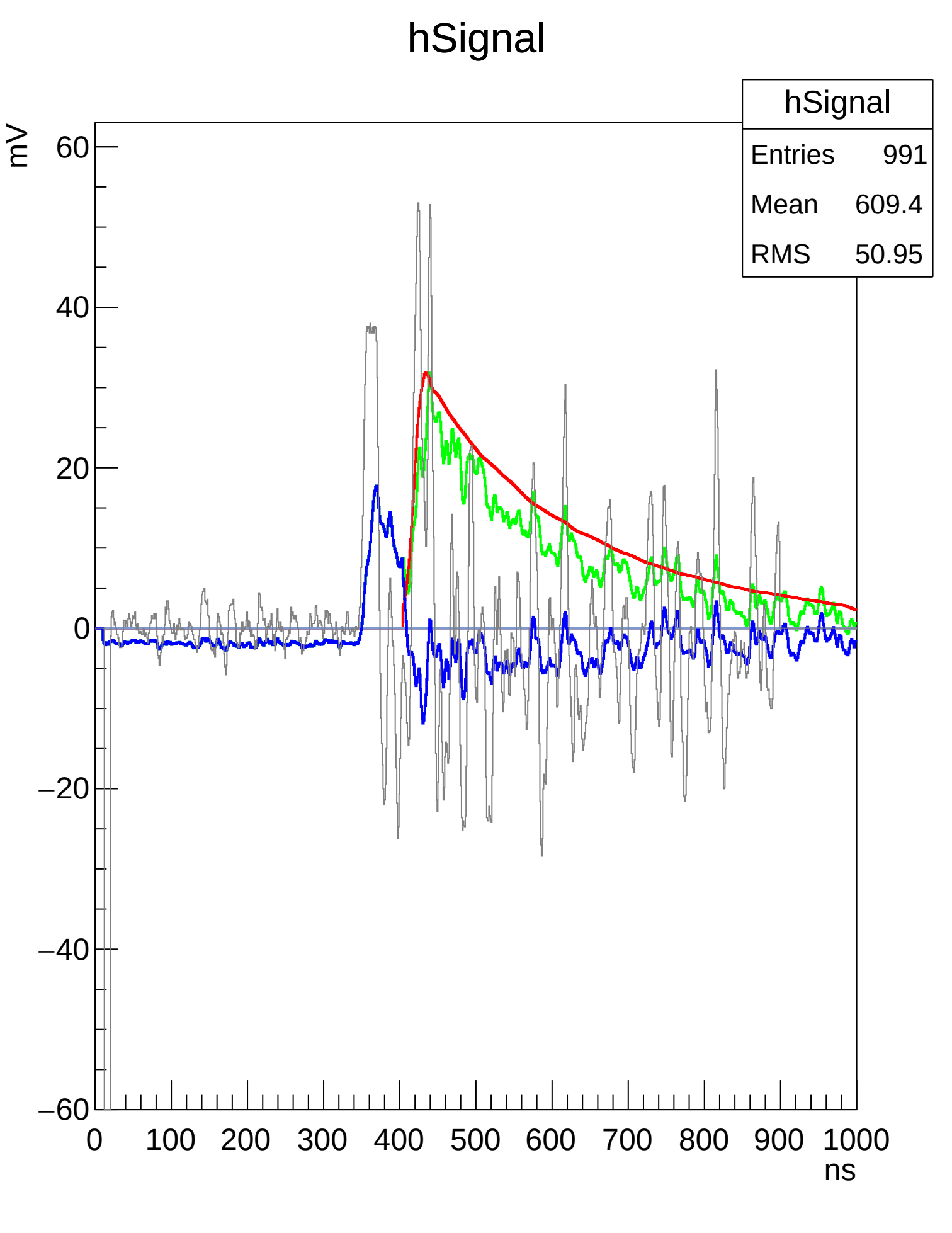
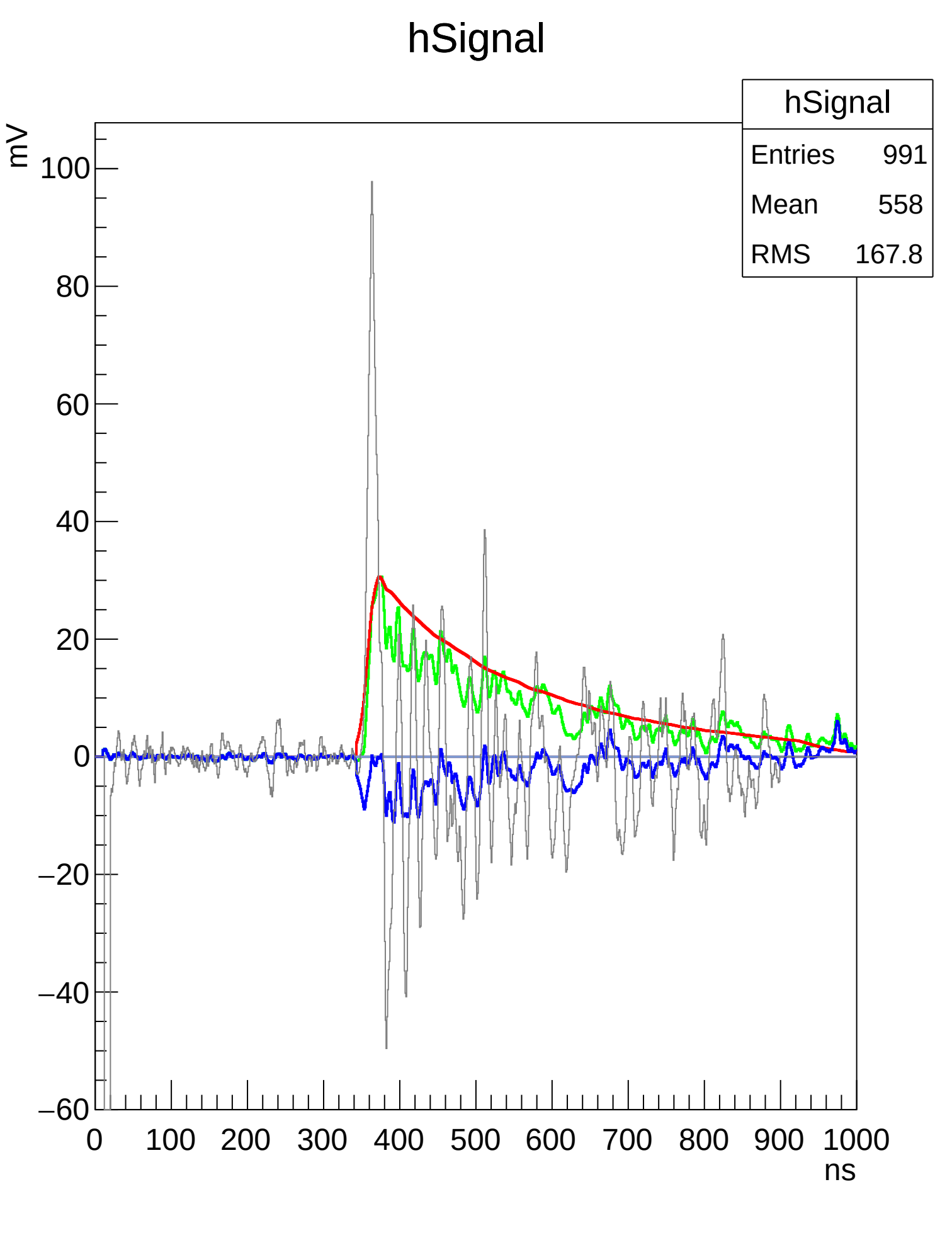
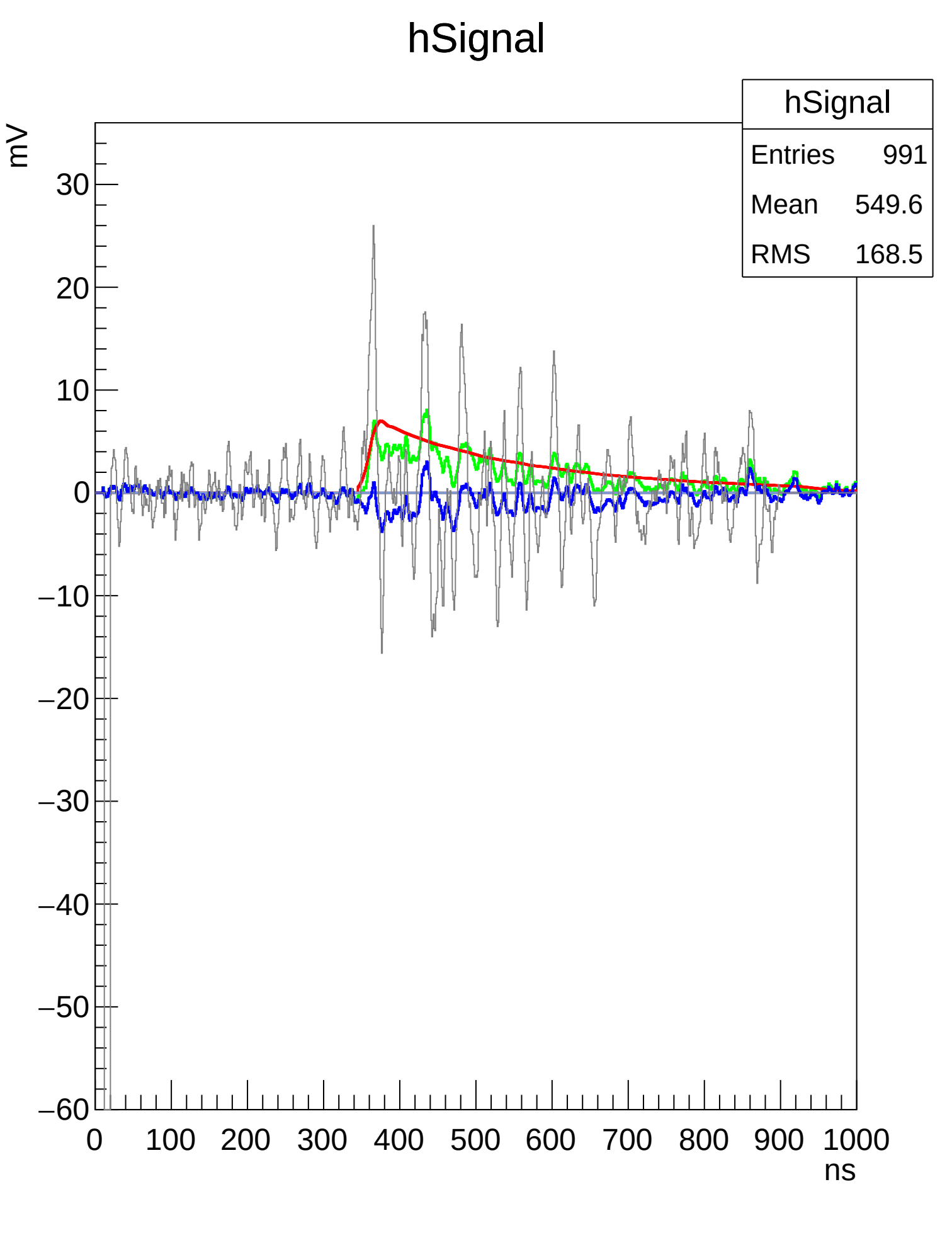
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

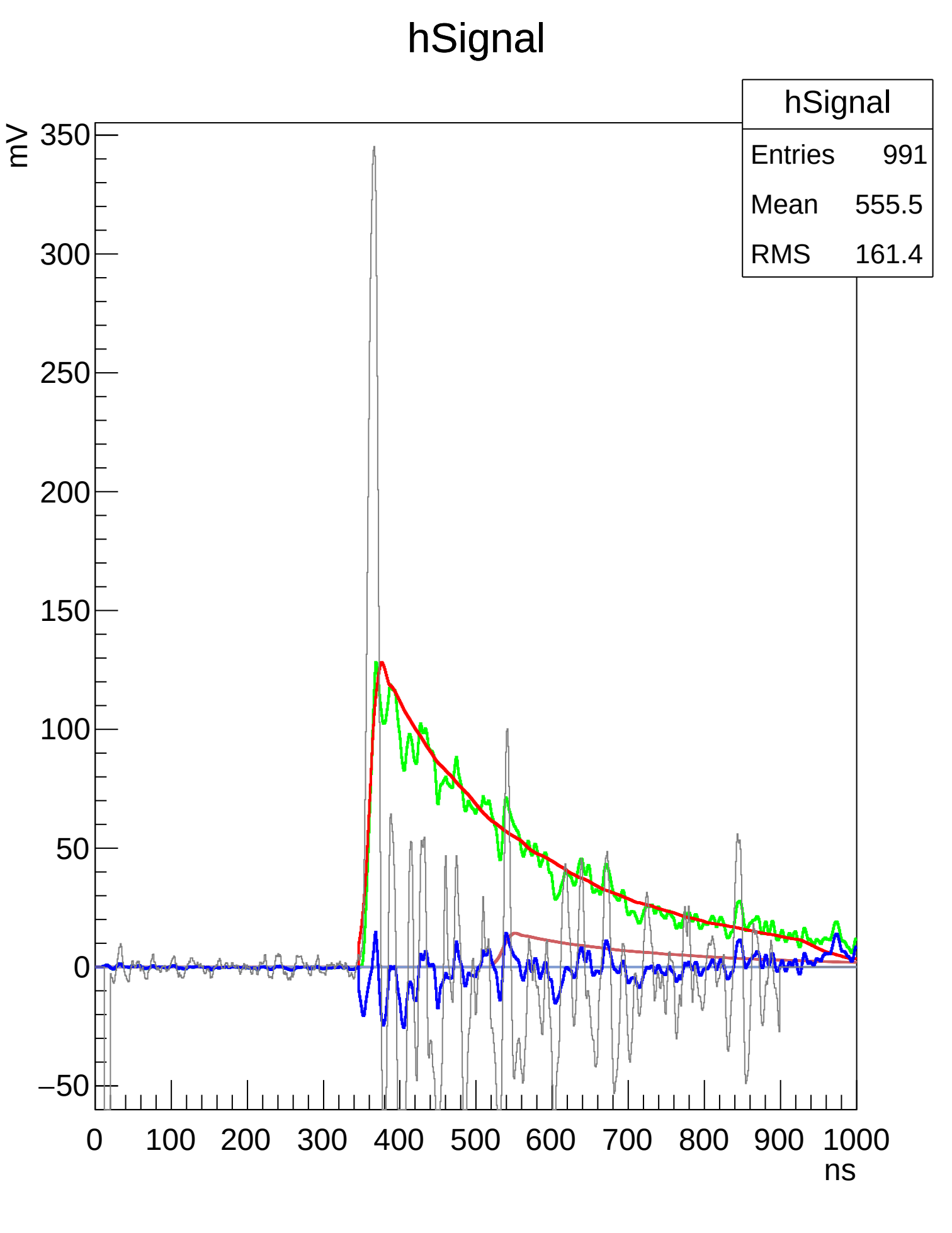

hSignal
hSignal
Entries 991
Mean 600.5
RMS 108.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

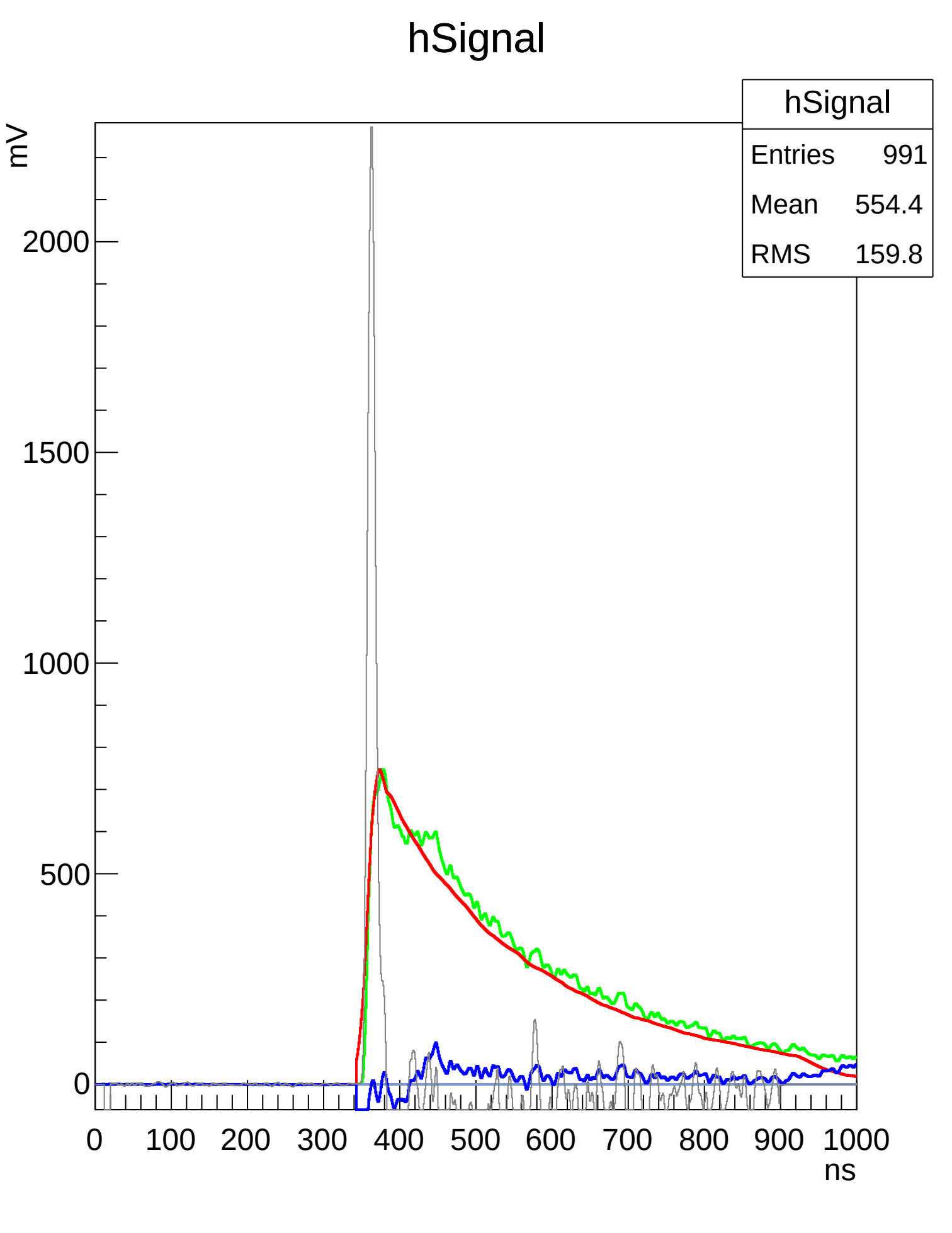

hSignal
hSignal
Entries 991
Mean 522.1
RMS 106.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

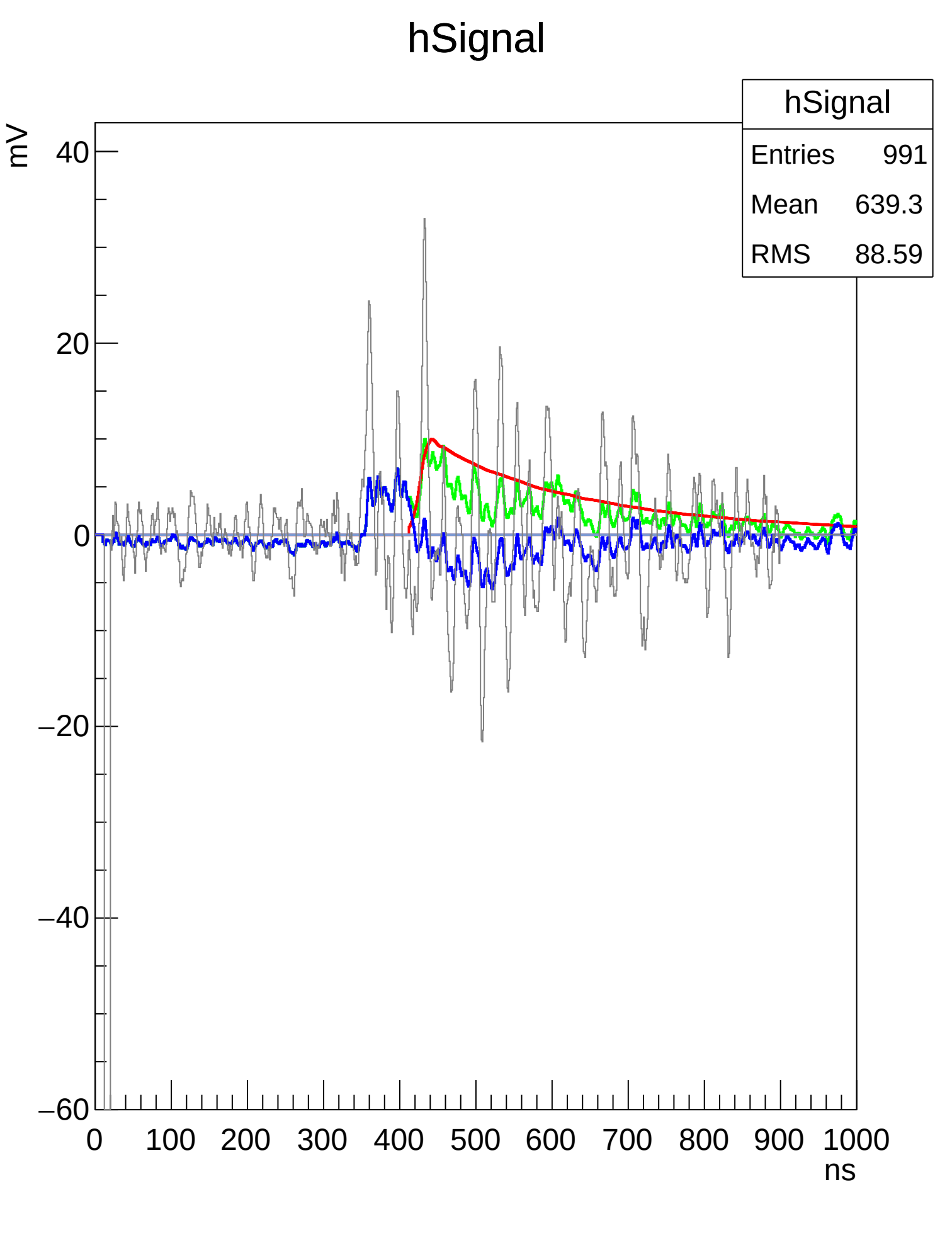

hSignal
hSignal
Entries 991
Mean 609.4
RMS 50.95
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 167.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.6
RMS 168.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.5
RMS 161.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.4
RMS 159.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 639.3
RMS 88.59
mV
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0
−20
−40
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0
100
200
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400
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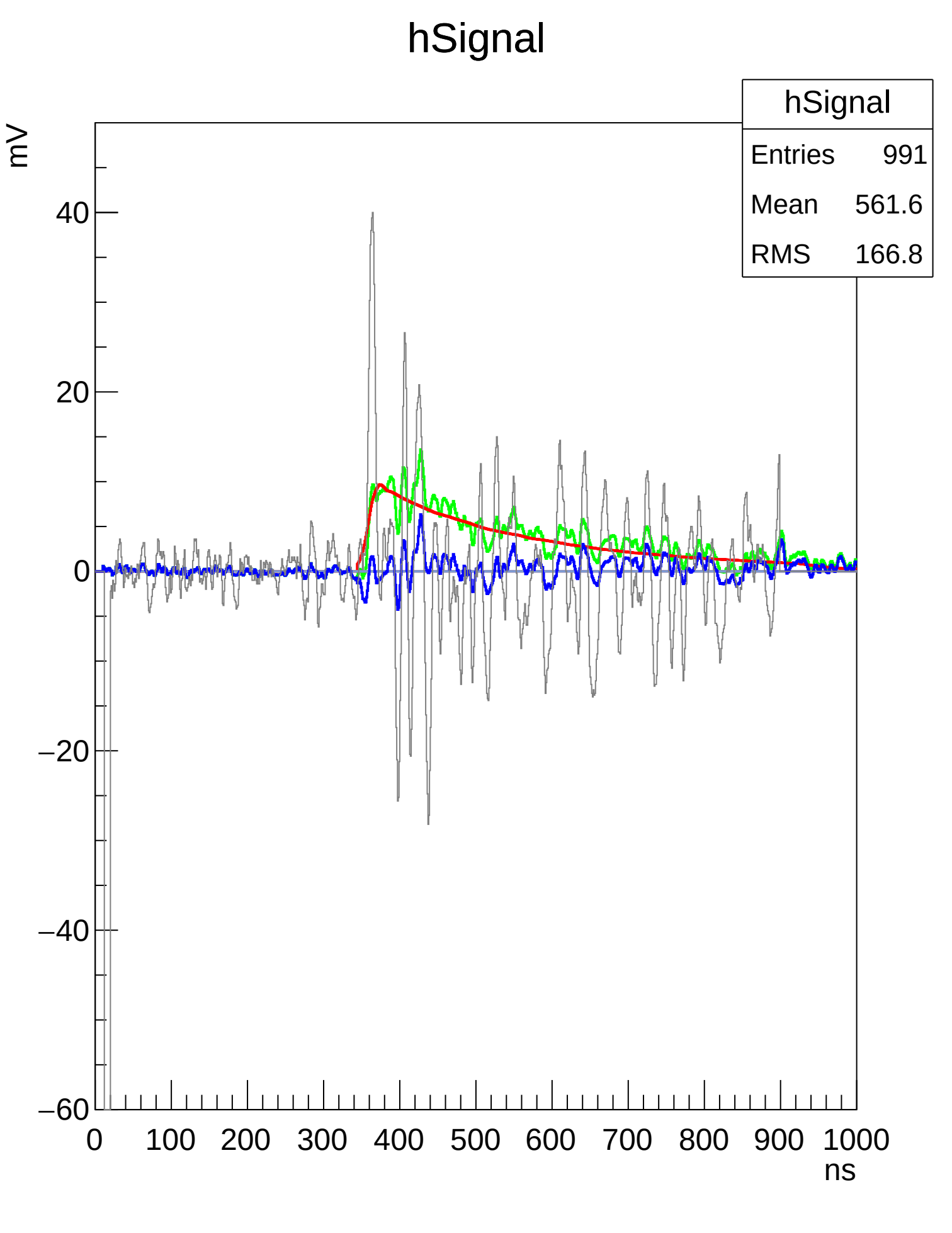
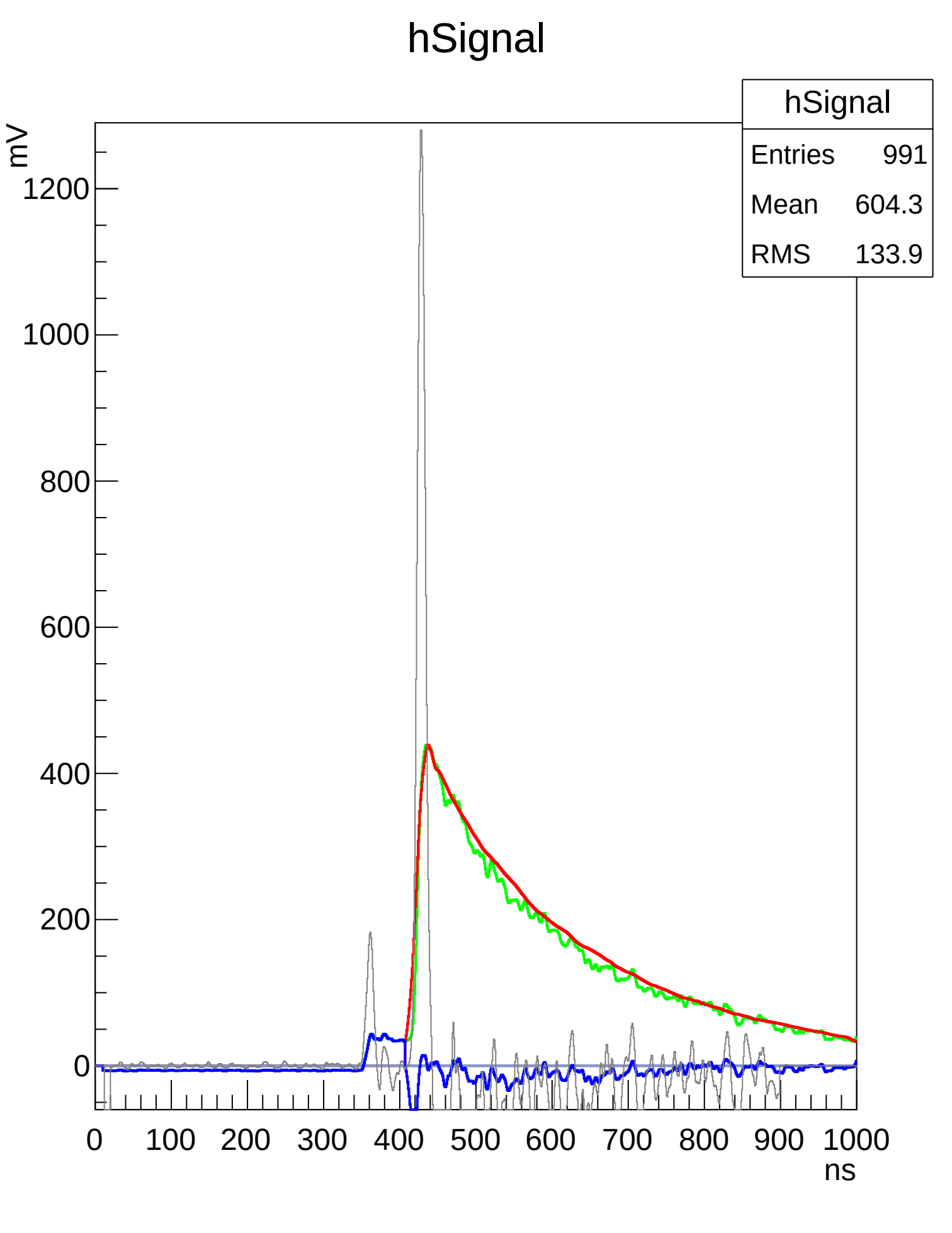
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.6
RMS 166.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.3
RMS 133.9
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
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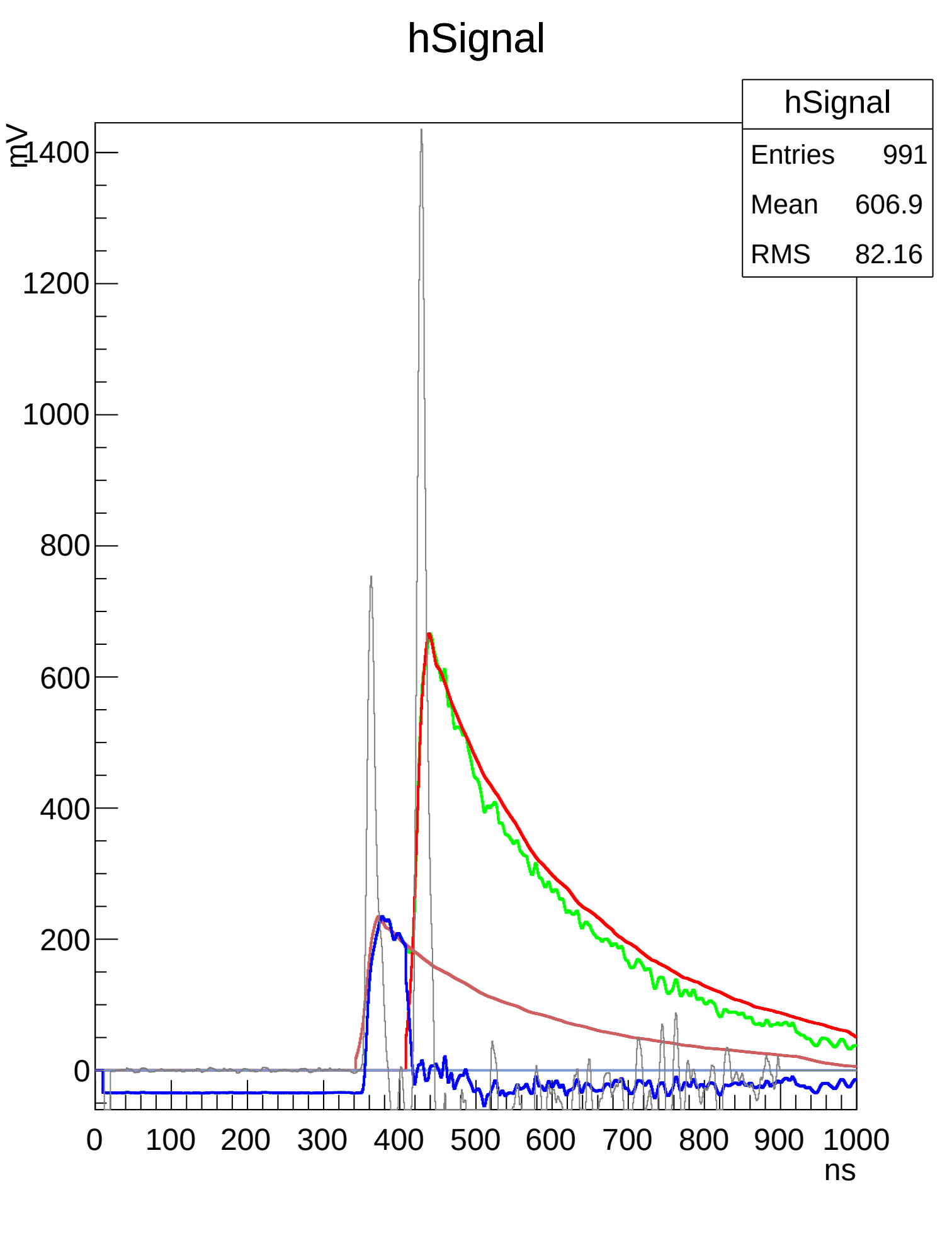
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.9
RMS 82.16
mV
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1200
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600
400
200
0
0
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200
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400
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800
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1000
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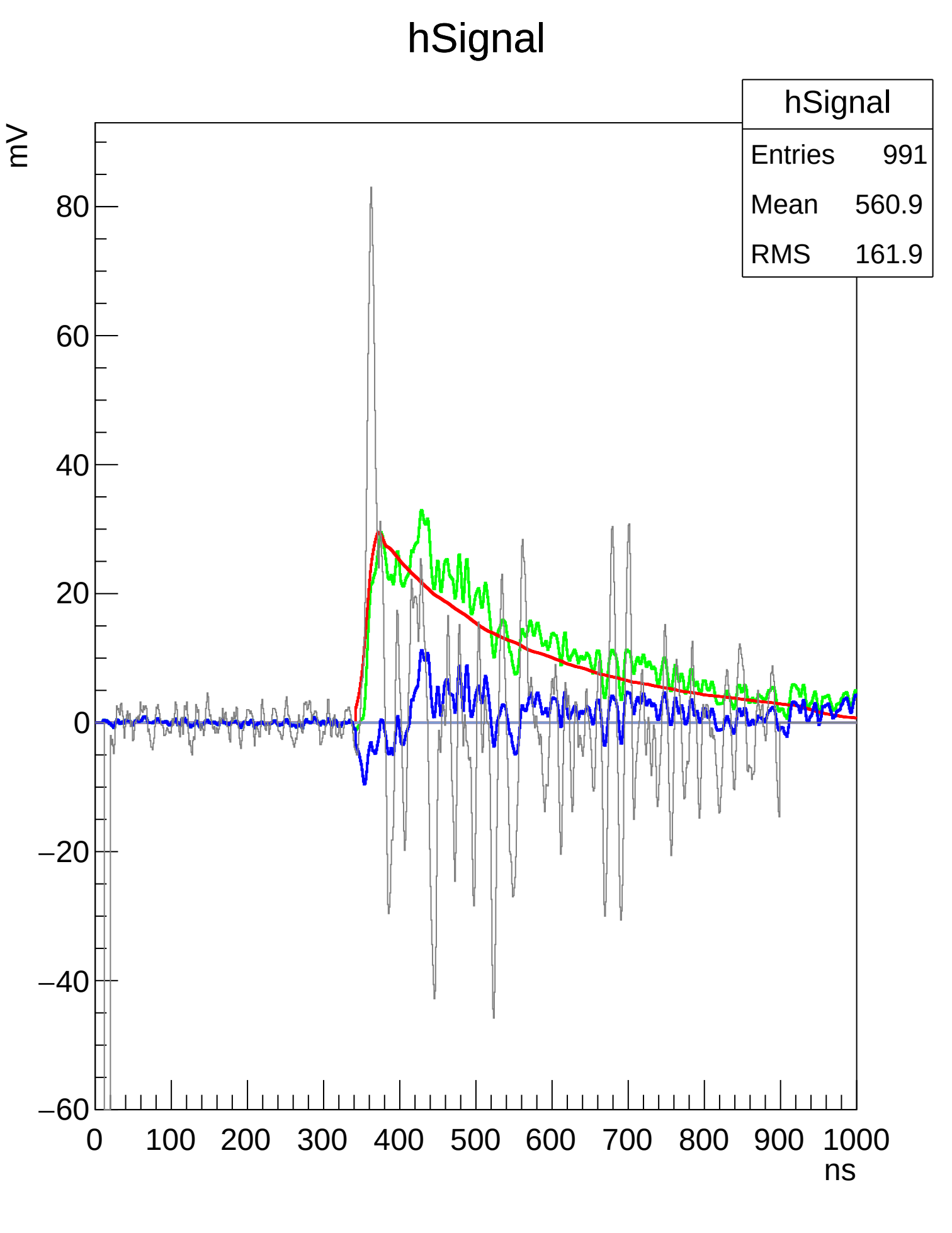
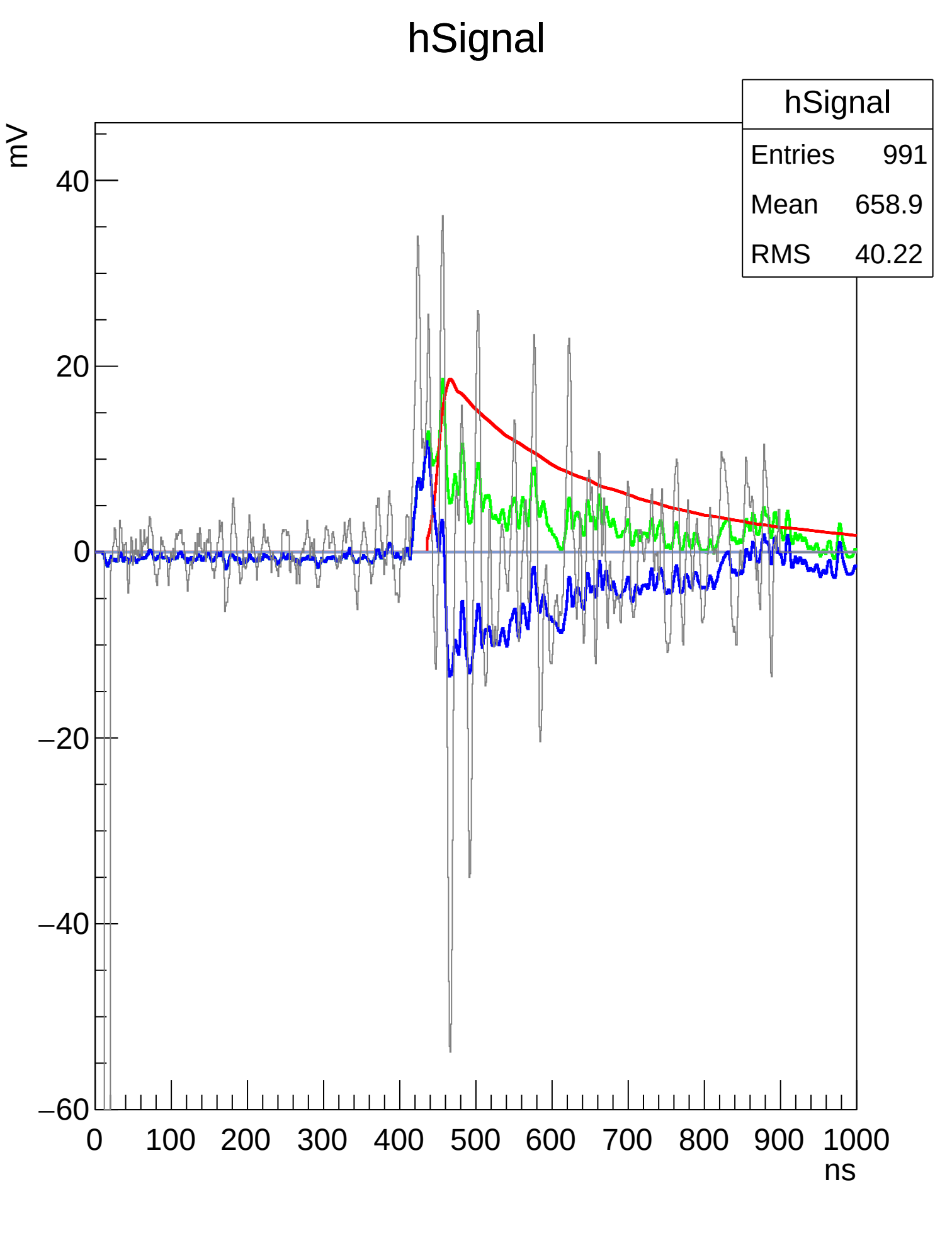

hSignal
hSignal
Entries 991
Mean 560.9
RMS 161.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 658.9
RMS 40.22
mV
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−20
−40
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0
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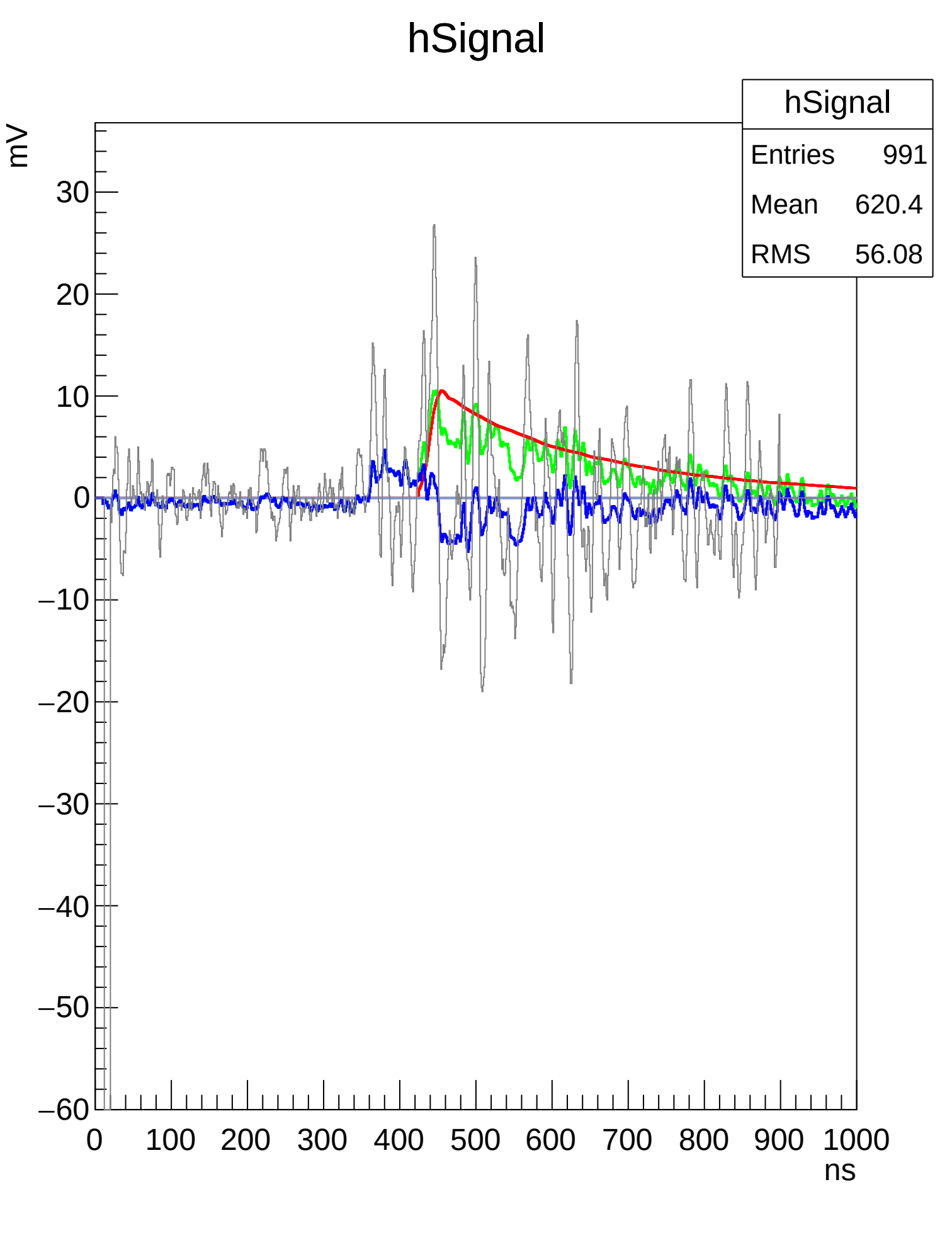
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.4
RMS 56.08
mV
30
20
10
0
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0
100
200
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400
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600
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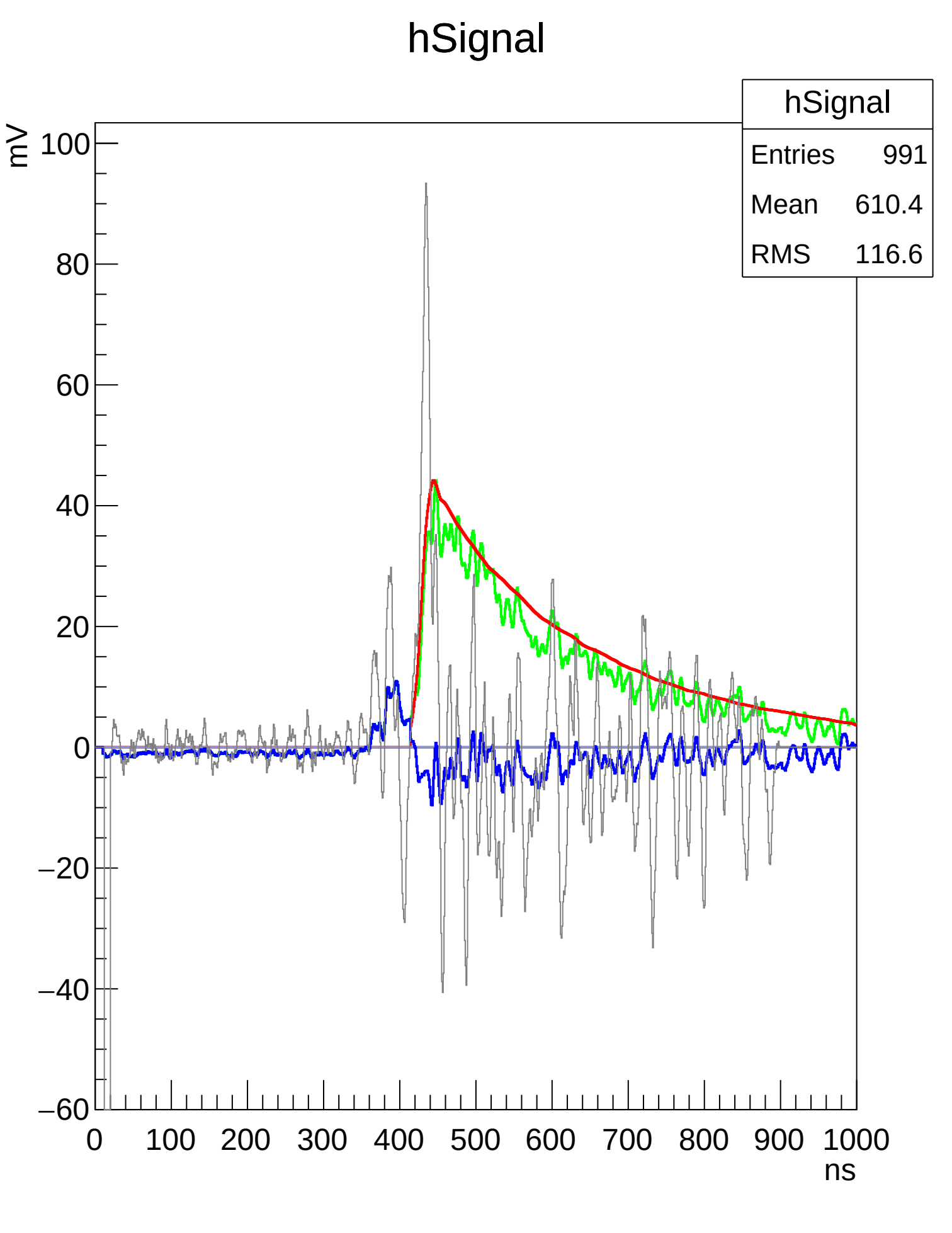
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.4
RMS 116.6
mV
100
80
60
40
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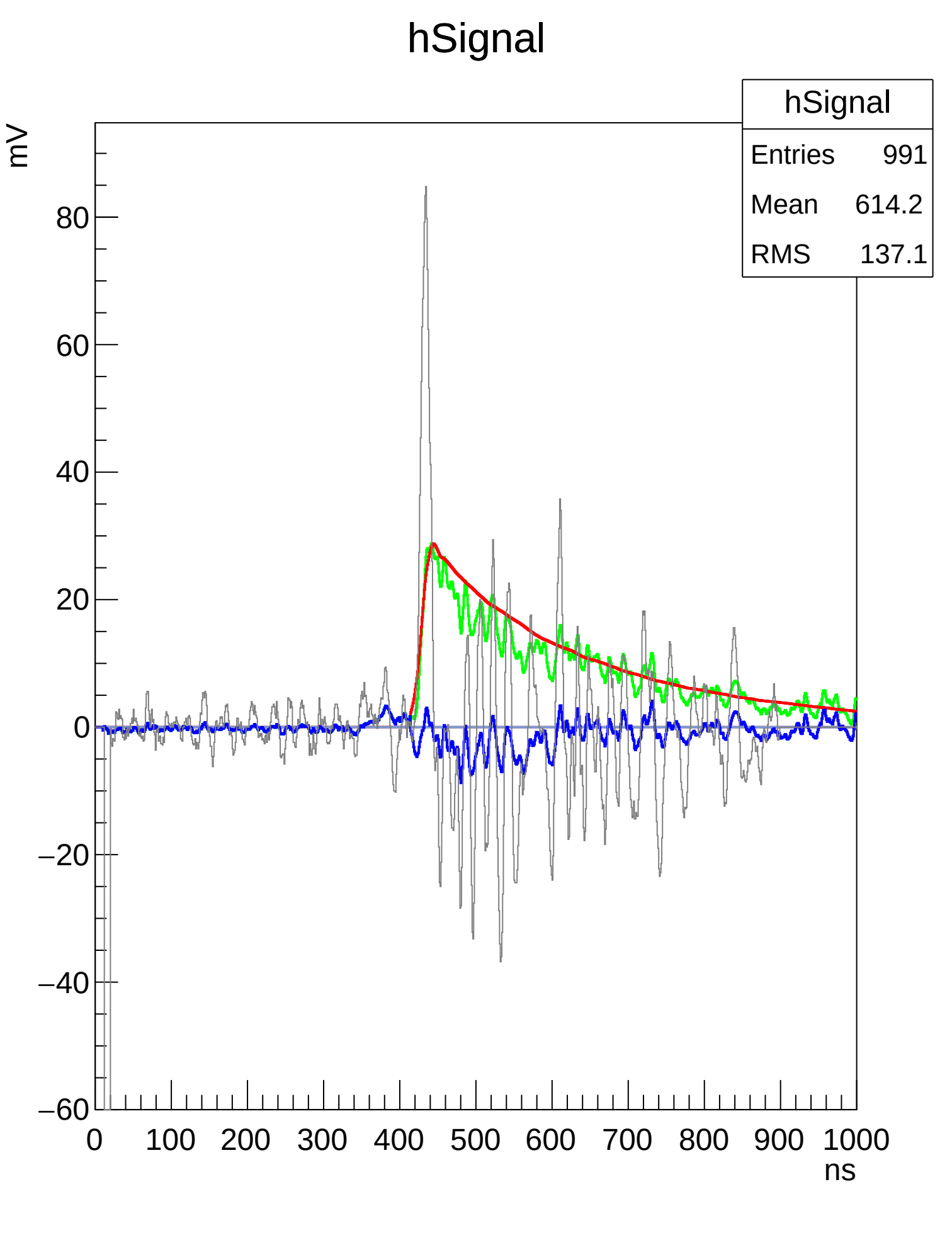
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.2
RMS 137.1
mV
80
60
40
20
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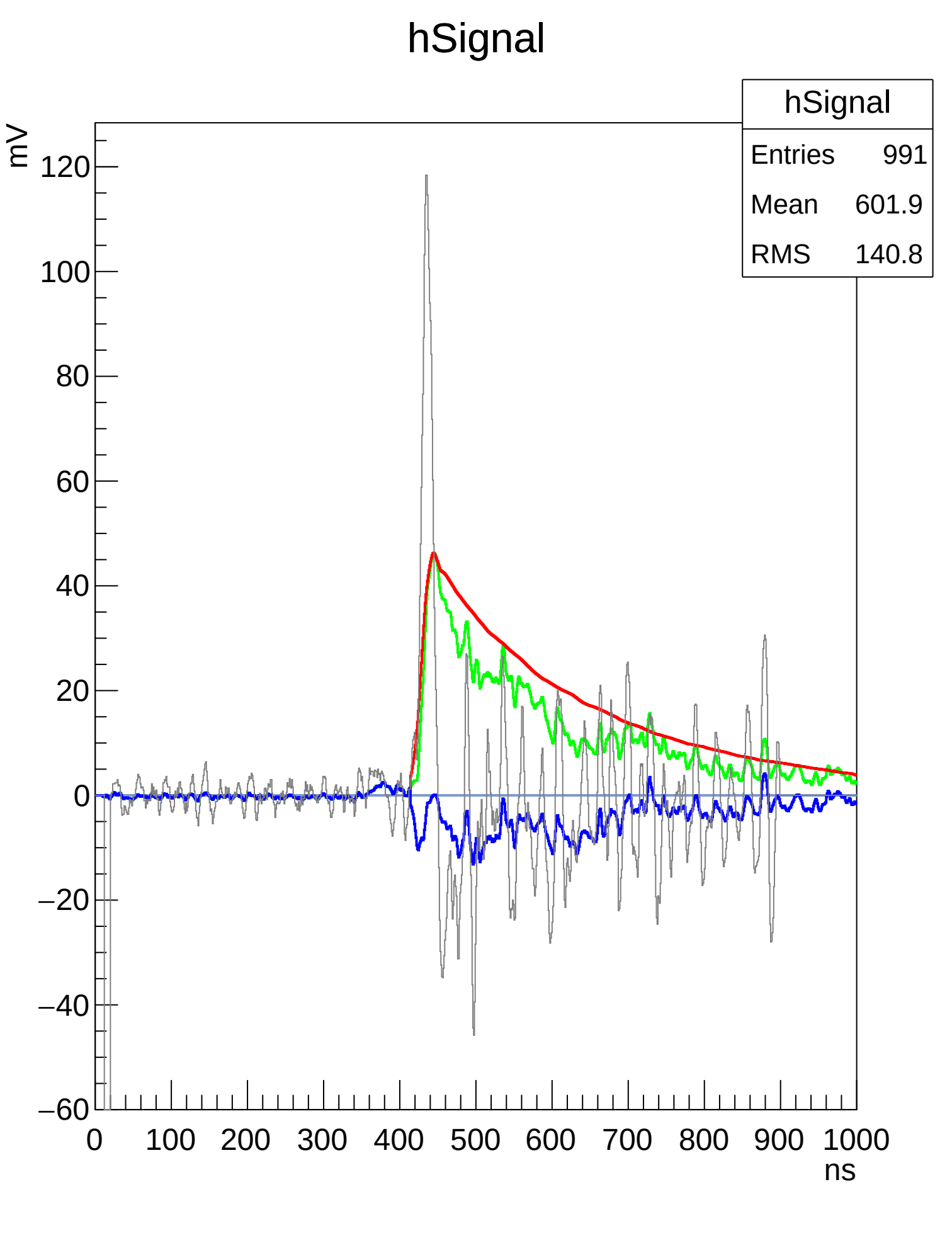
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.9
RMS 140.8
mV
120
100
80
60
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−20
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−60
0
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400
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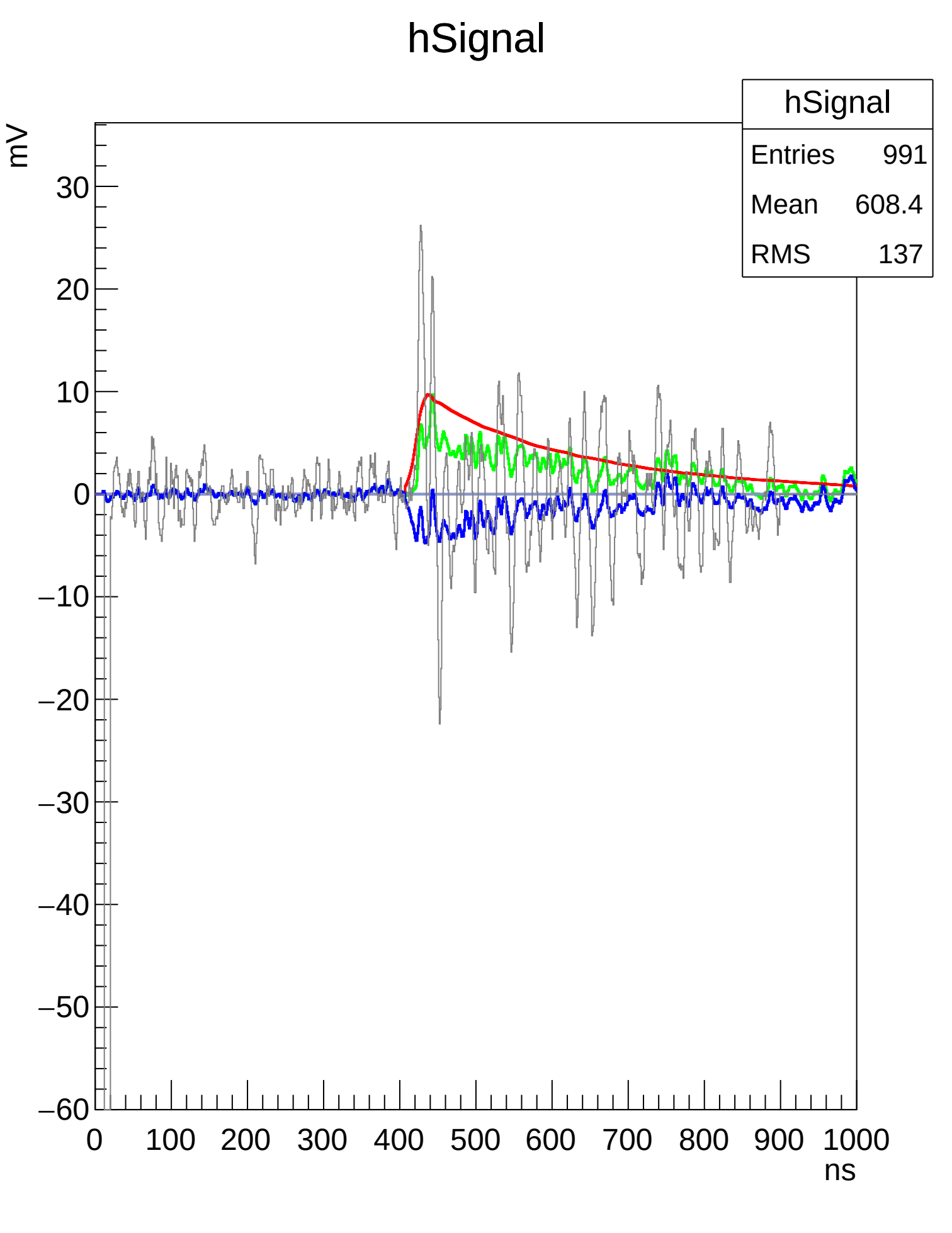
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.4
RMS 137
mV
30
20
10
0
−10
−20
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−40
−50
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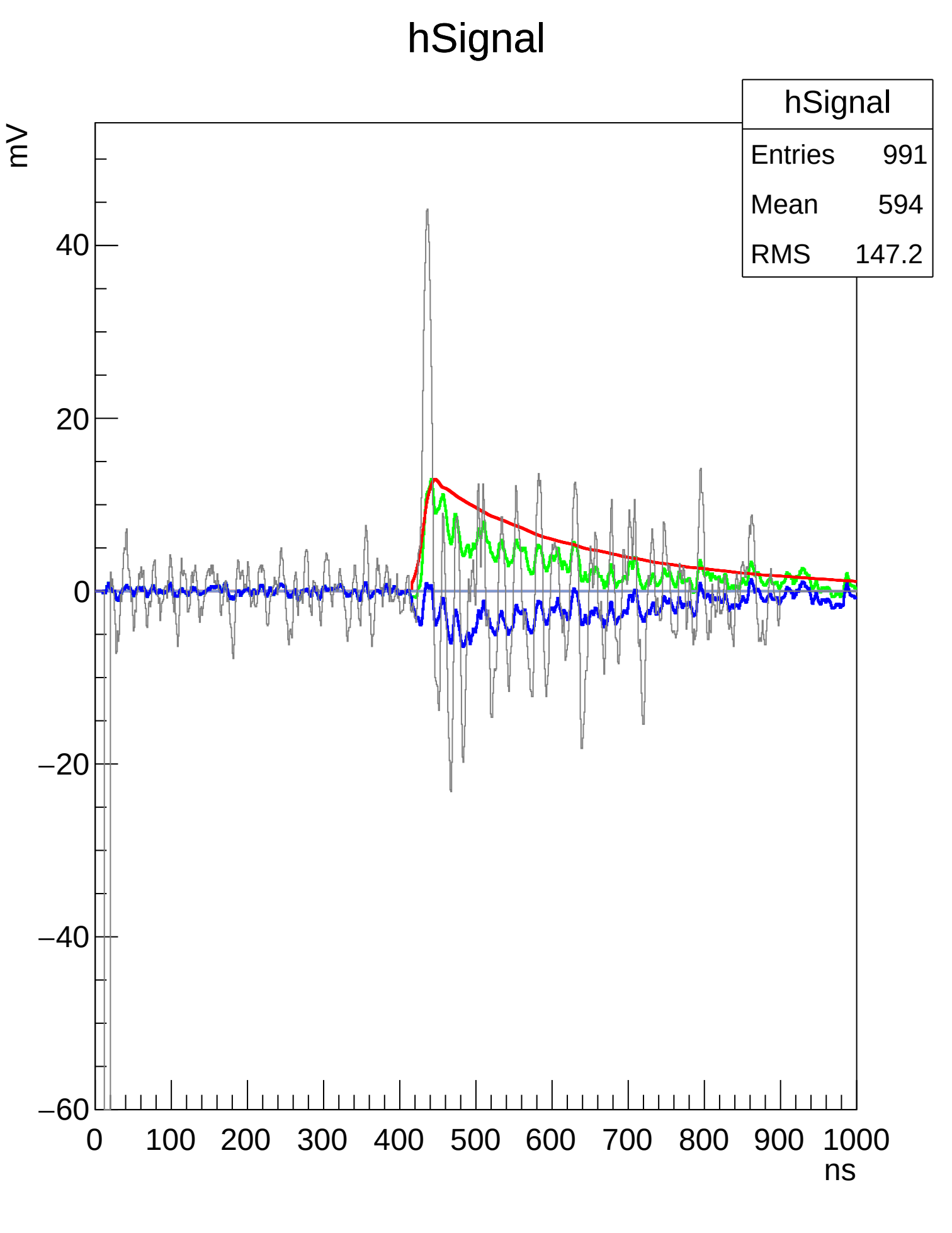
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594
RMS 147.2
mV
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−20
−40
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0
100
200
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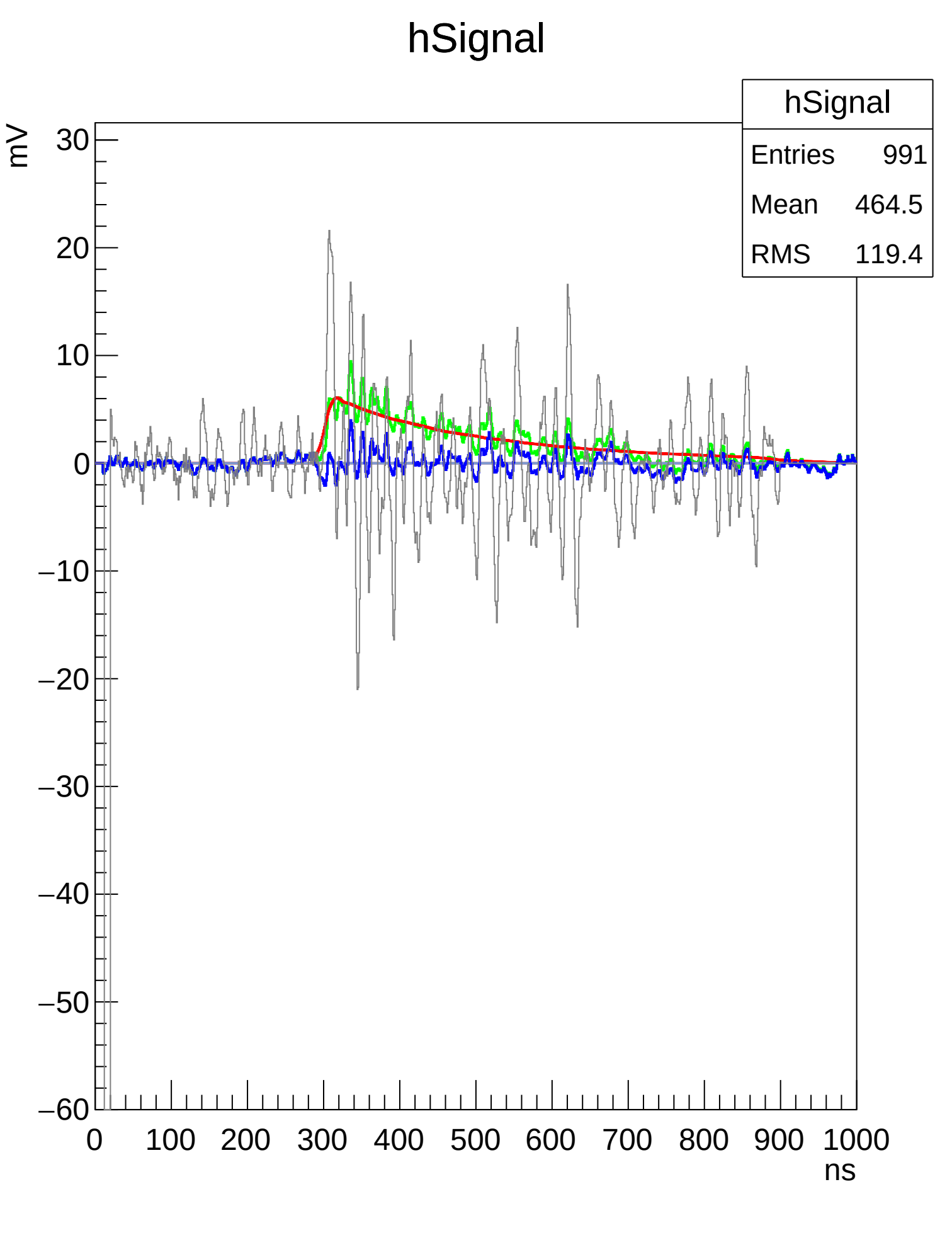
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 464.5
RMS 119.4
mV
30
20
10
0
−10
−20
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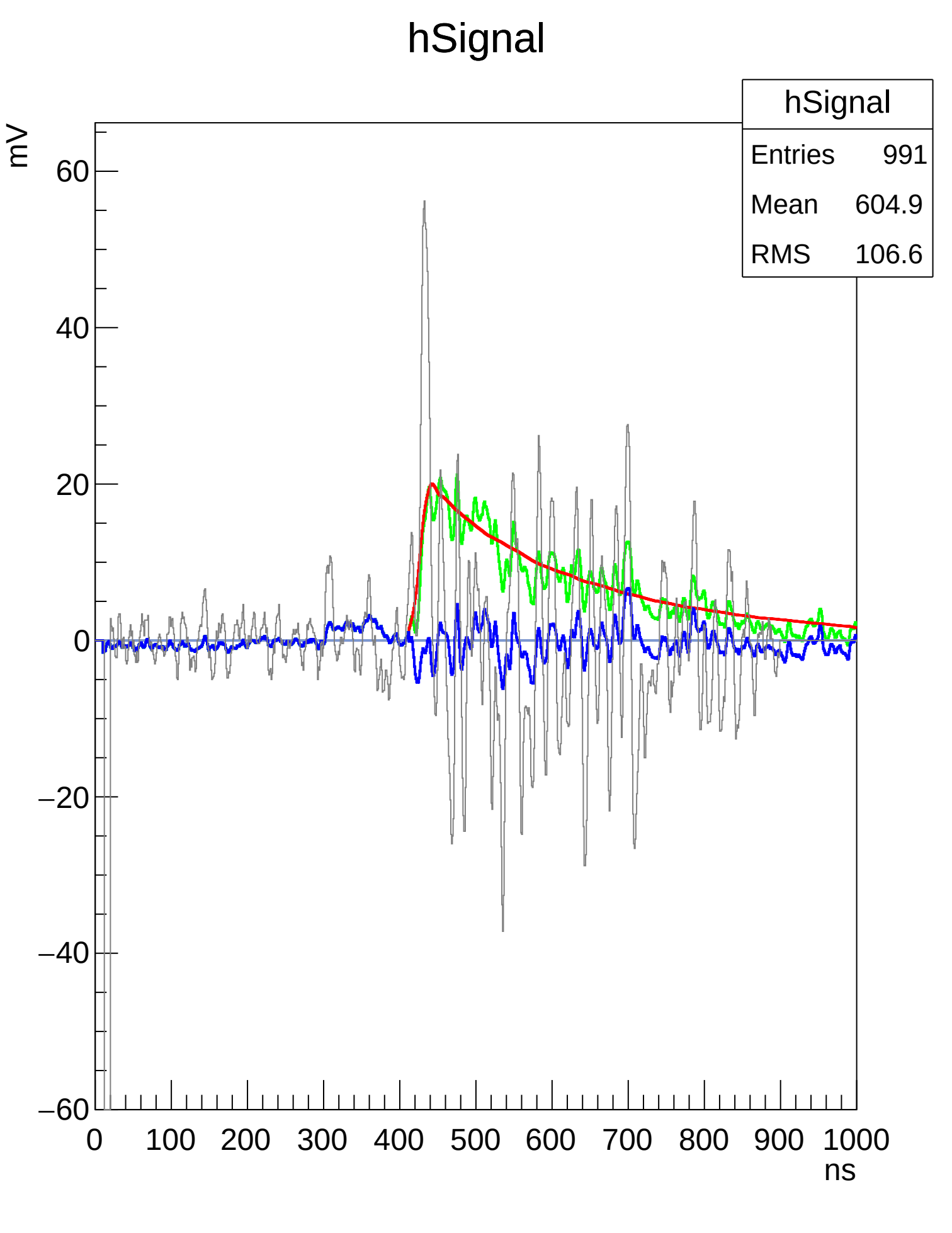
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.9
RMS 106.6
mV
60
40
20
0
−20
−40
−60
0
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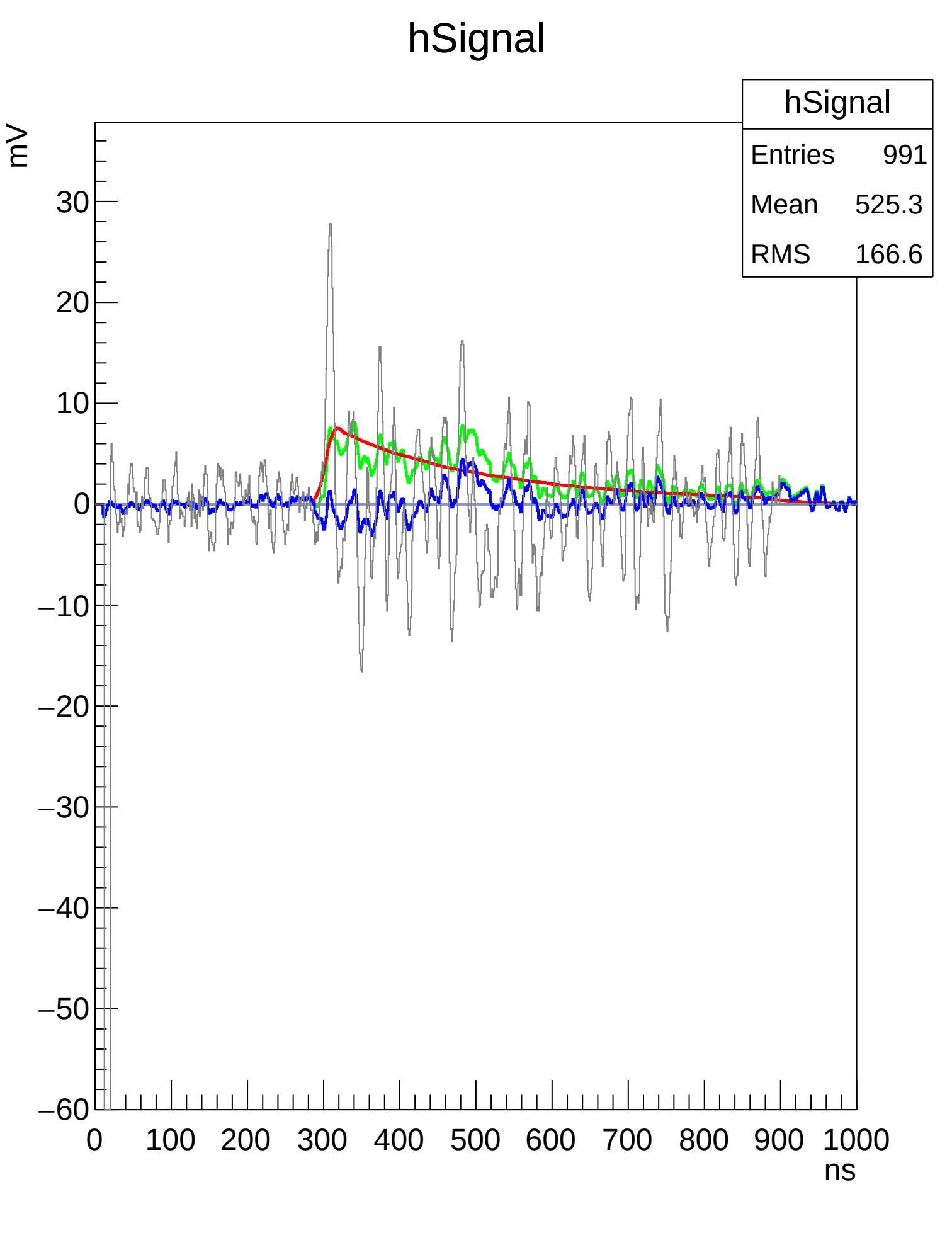
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.3
RMS 166.6
mV
30
20
10
0
−10
−20
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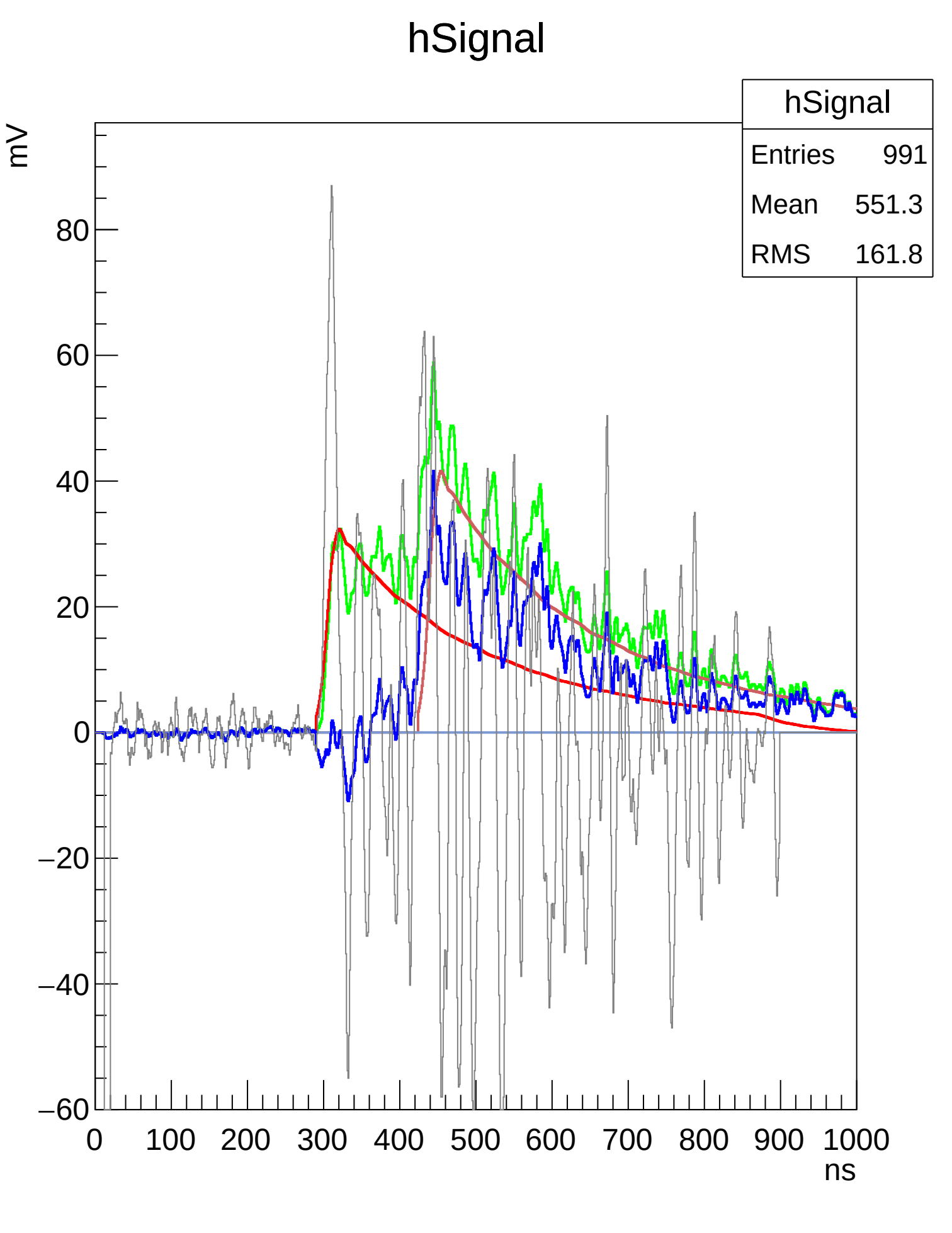
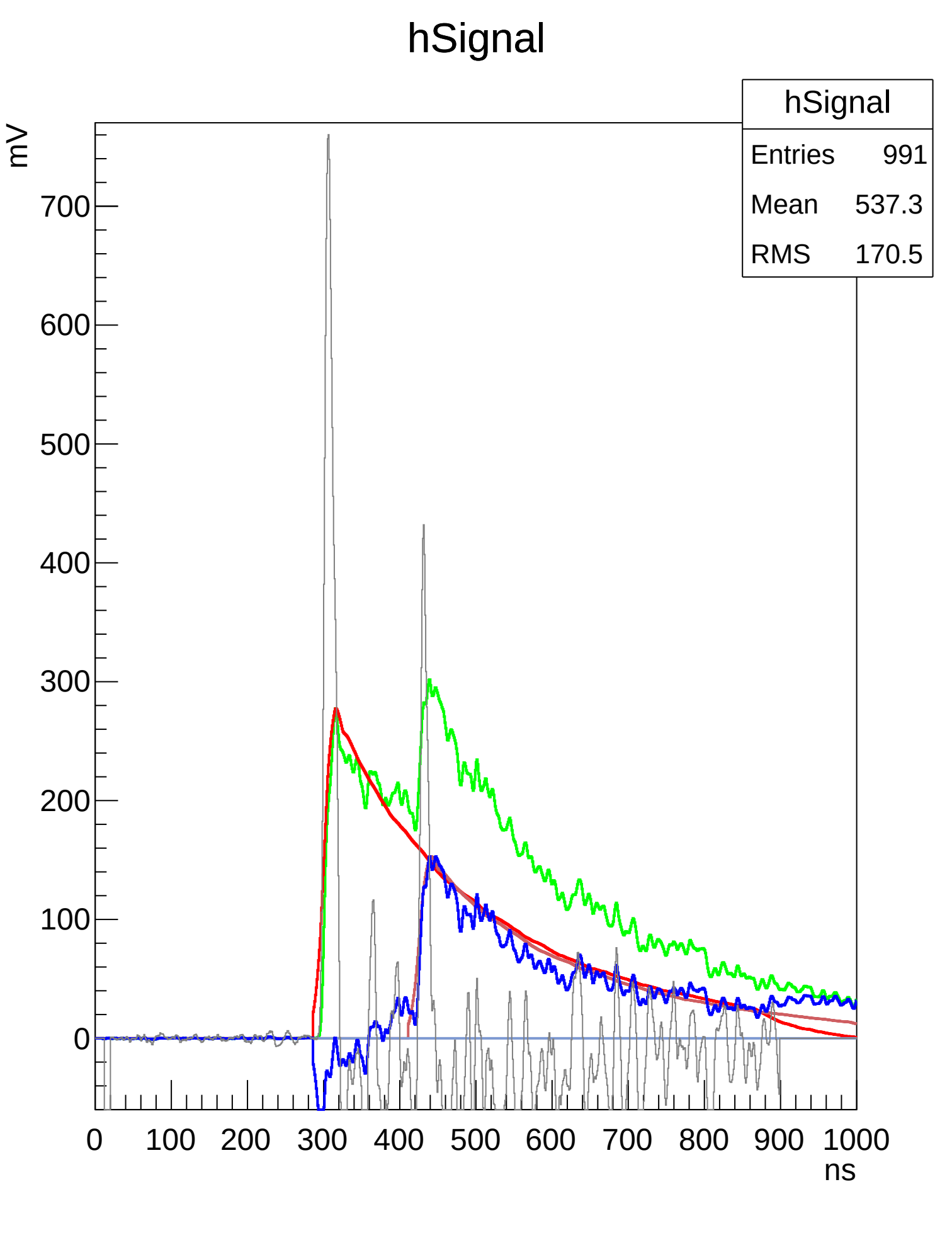
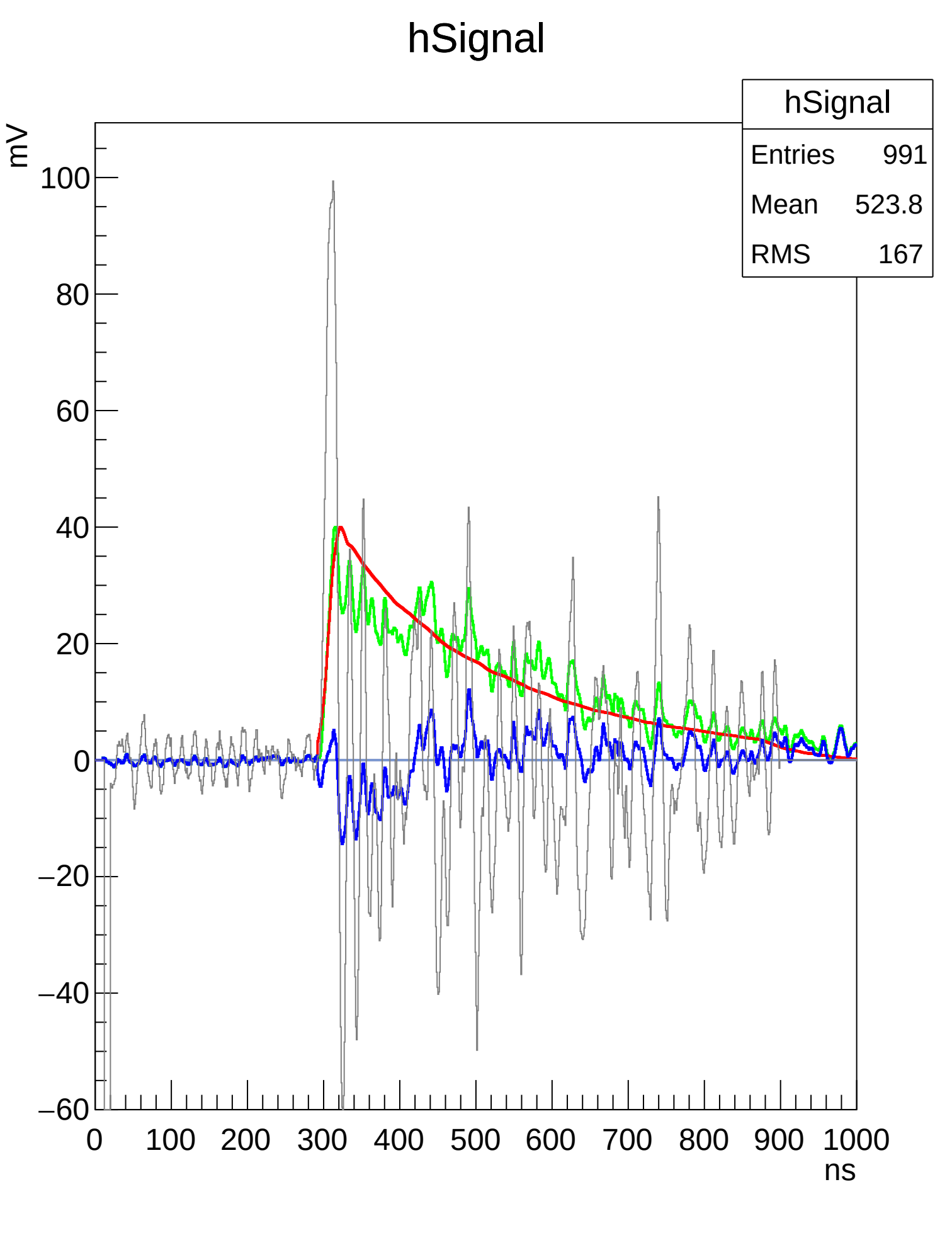
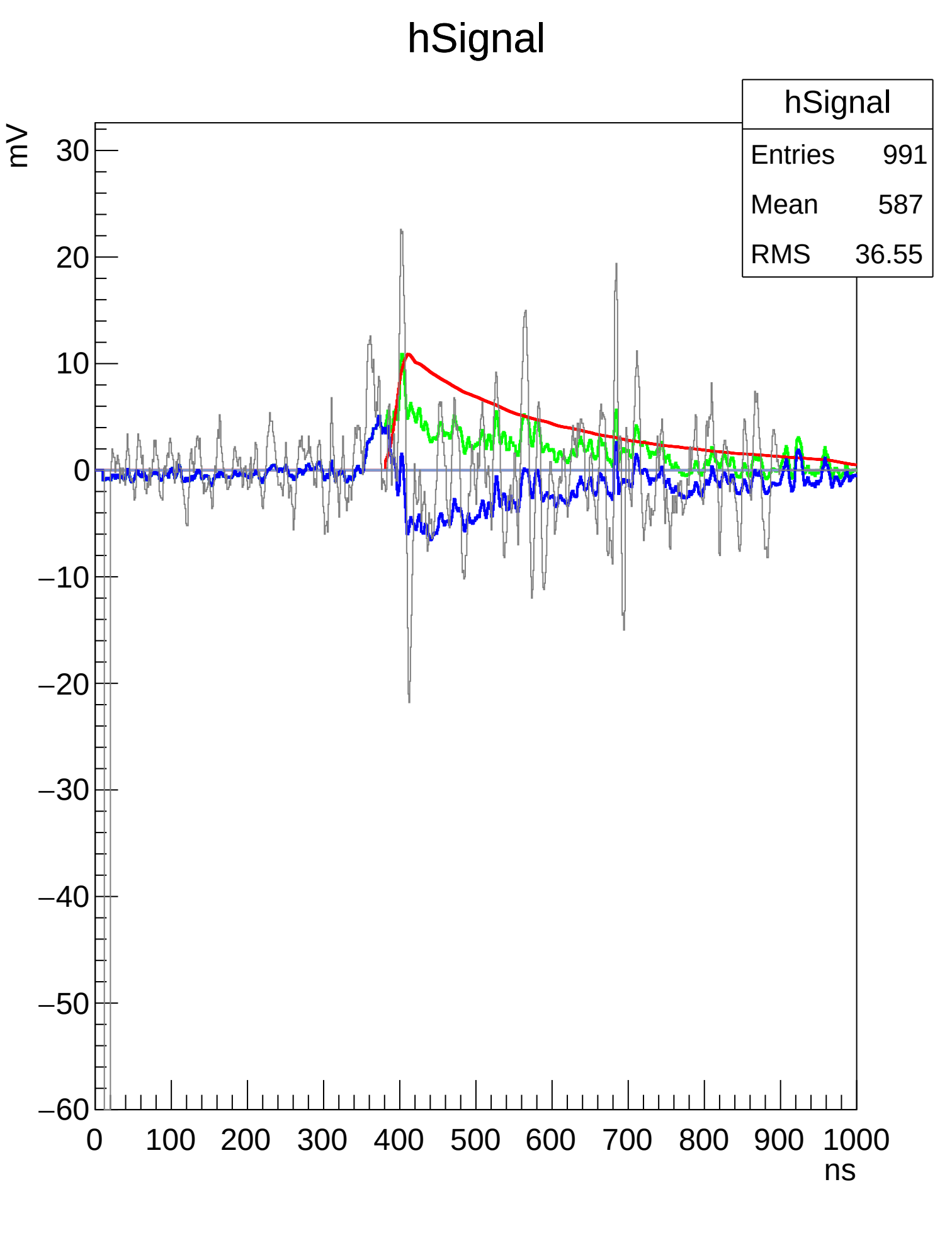
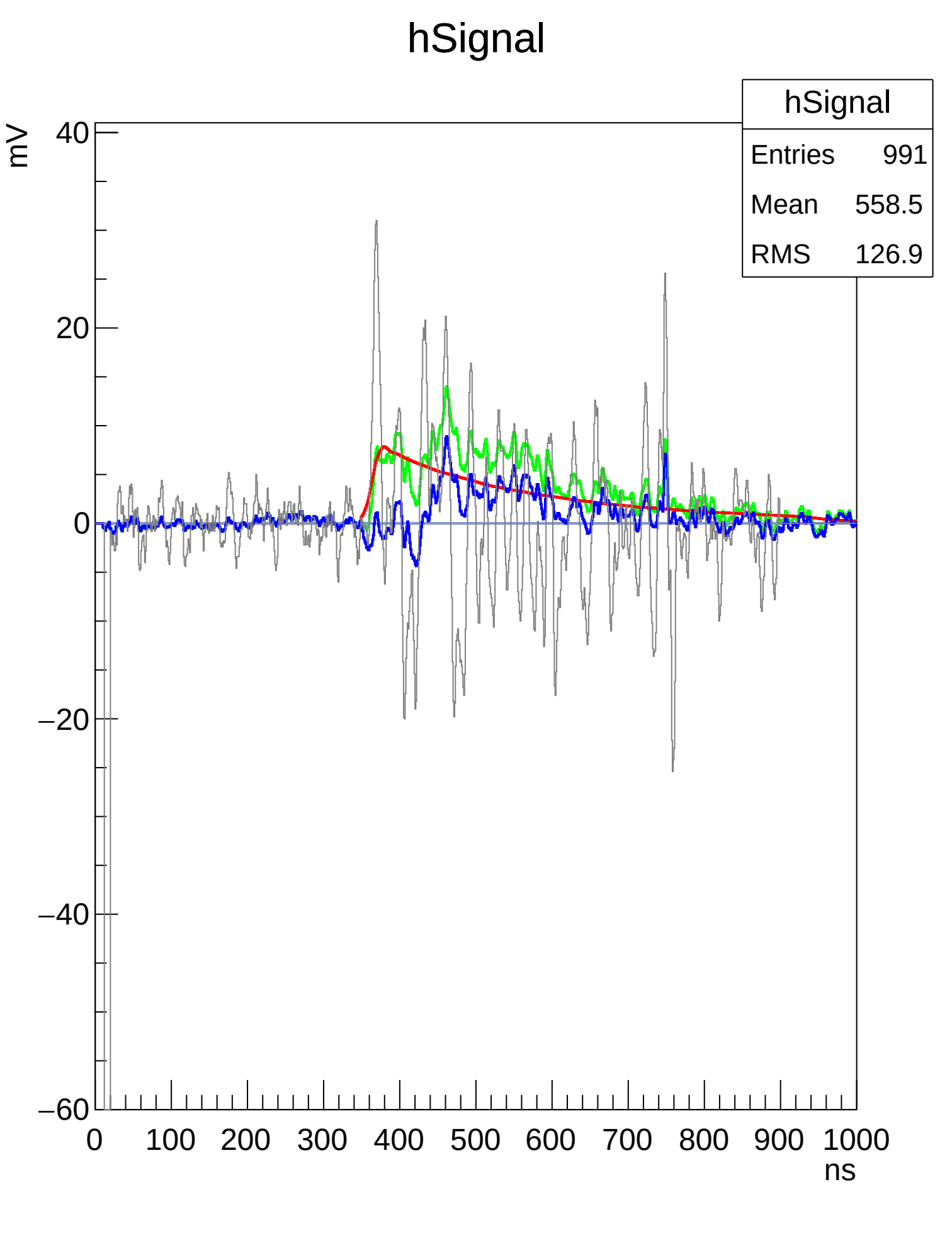
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.3
RMS 161.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 170.5
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.8
RMS 167
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587
RMS 36.55
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.5
RMS 126.9
mV
40
20
0
−20
−40
−60
0
100
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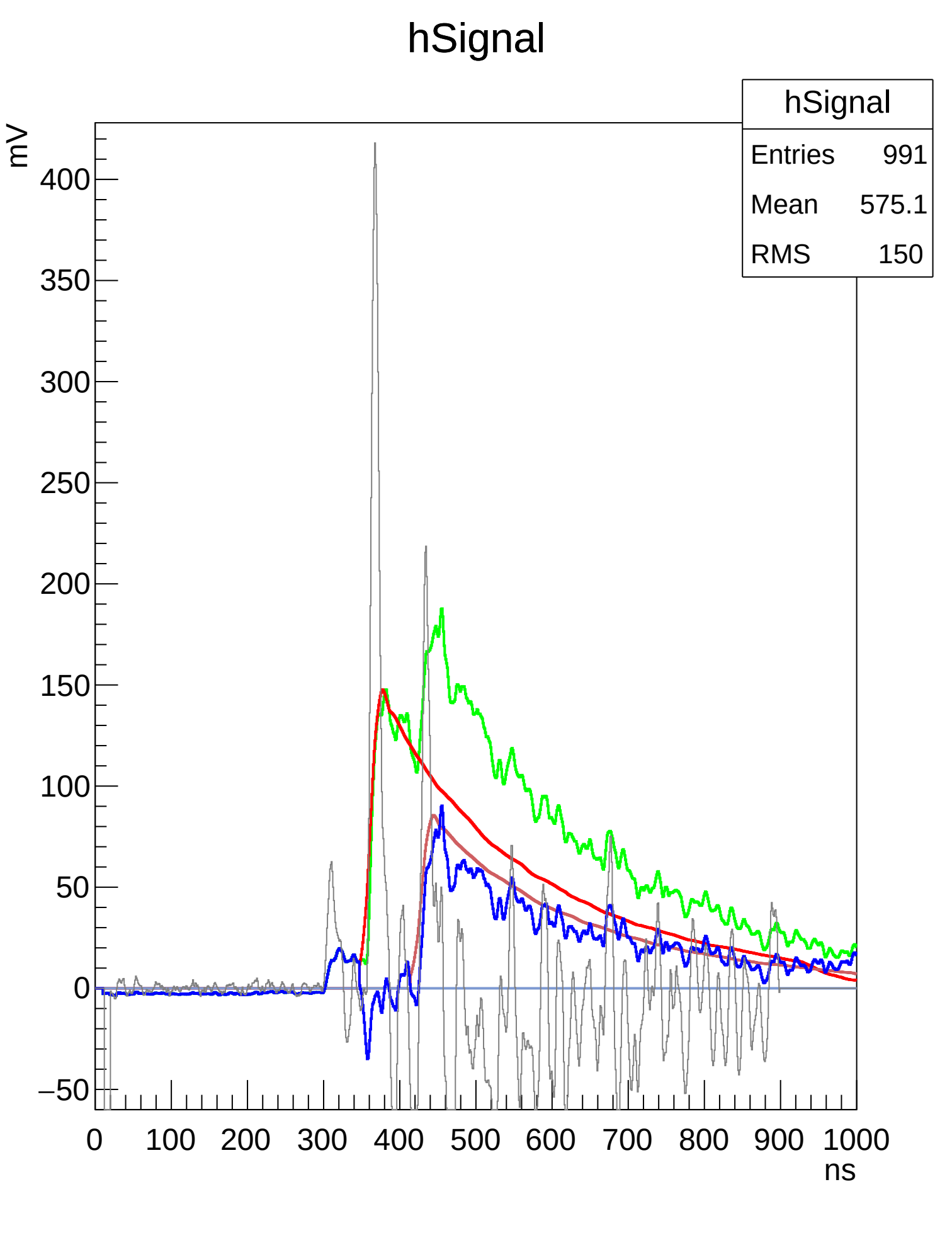
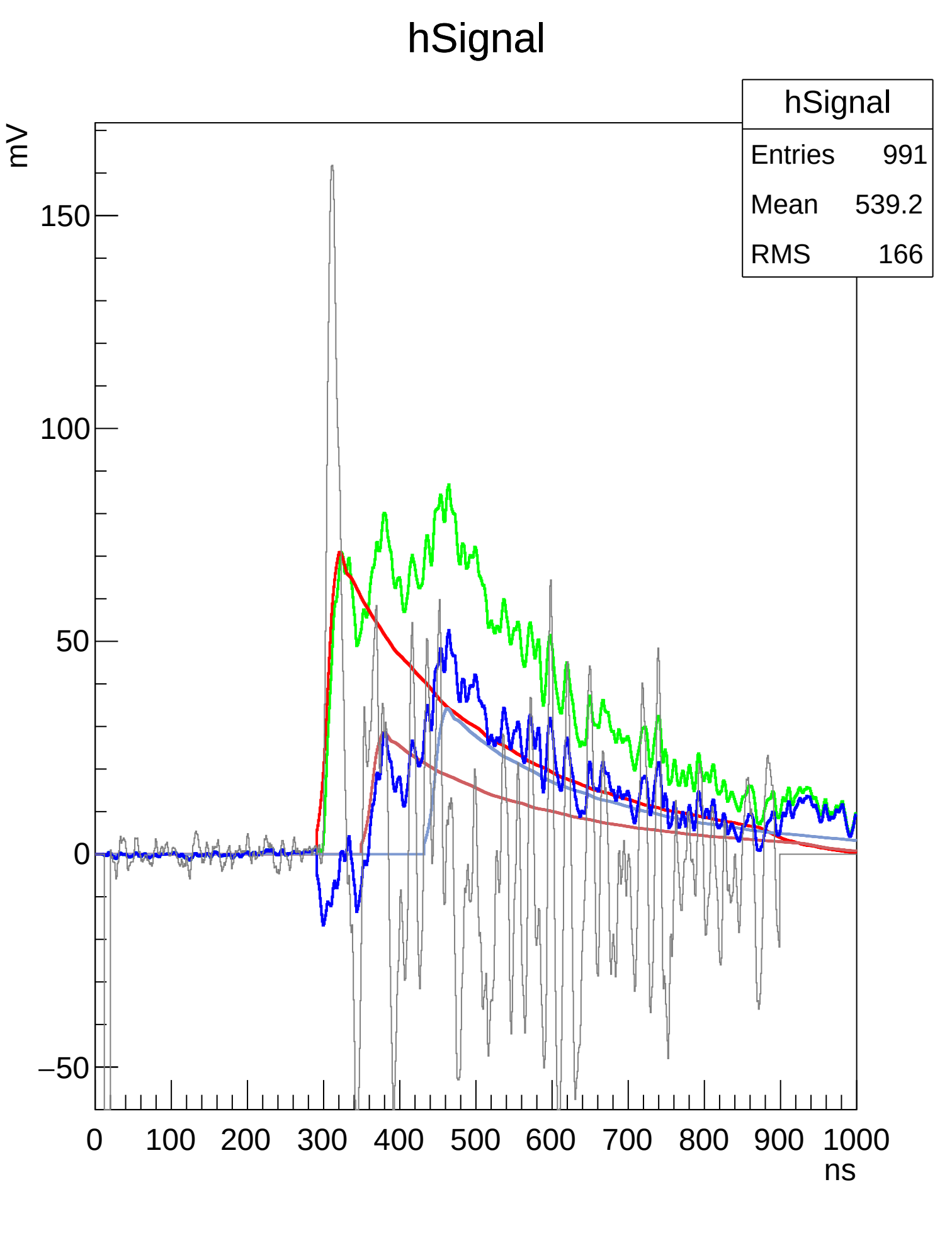
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.1
RMS 150
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.2
RMS 166
mV
150
100
50
0
−50
0
100
200
300
400
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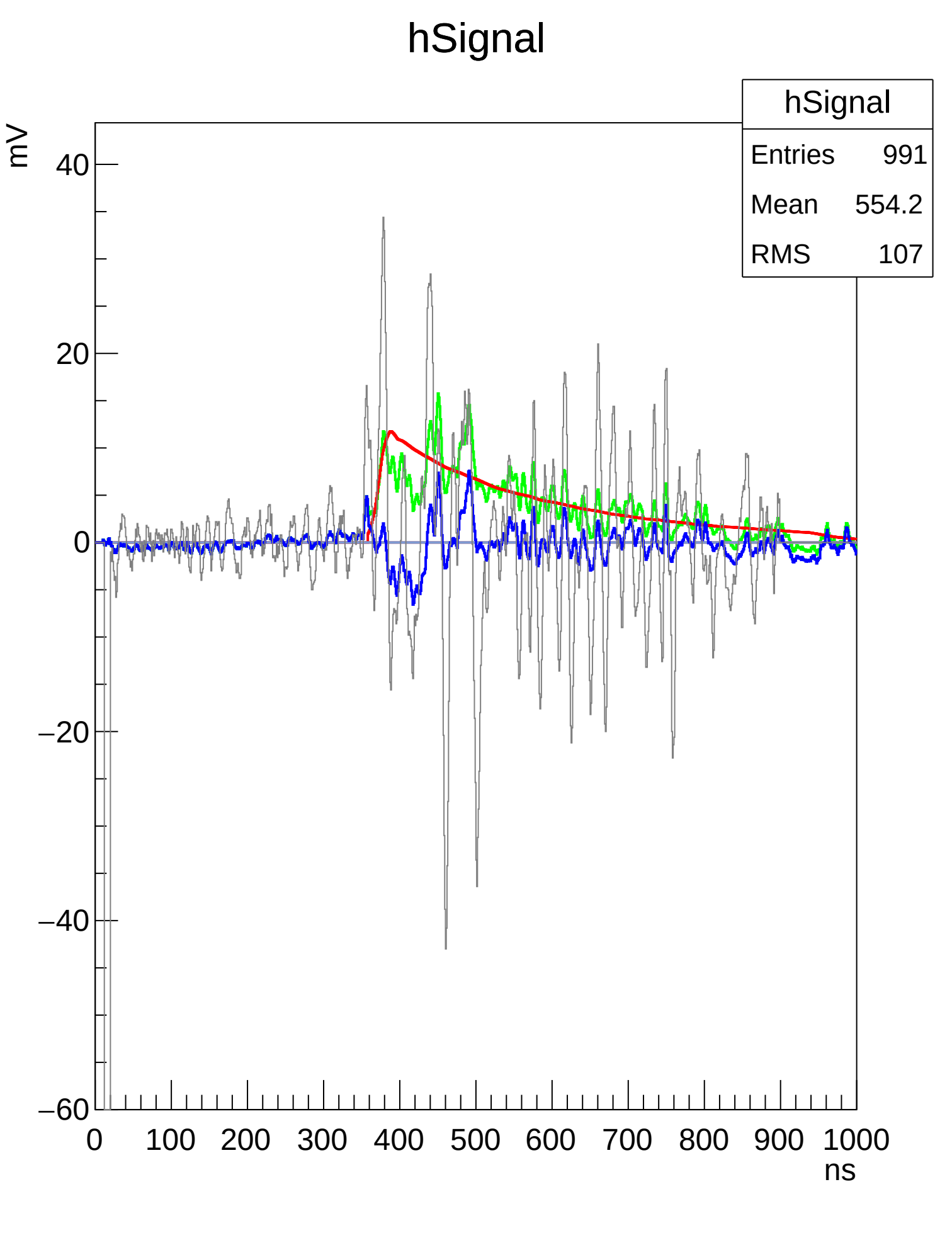
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.2
RMS 107
mV
40
20
0
−20
−40
−60
0
100
200
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400
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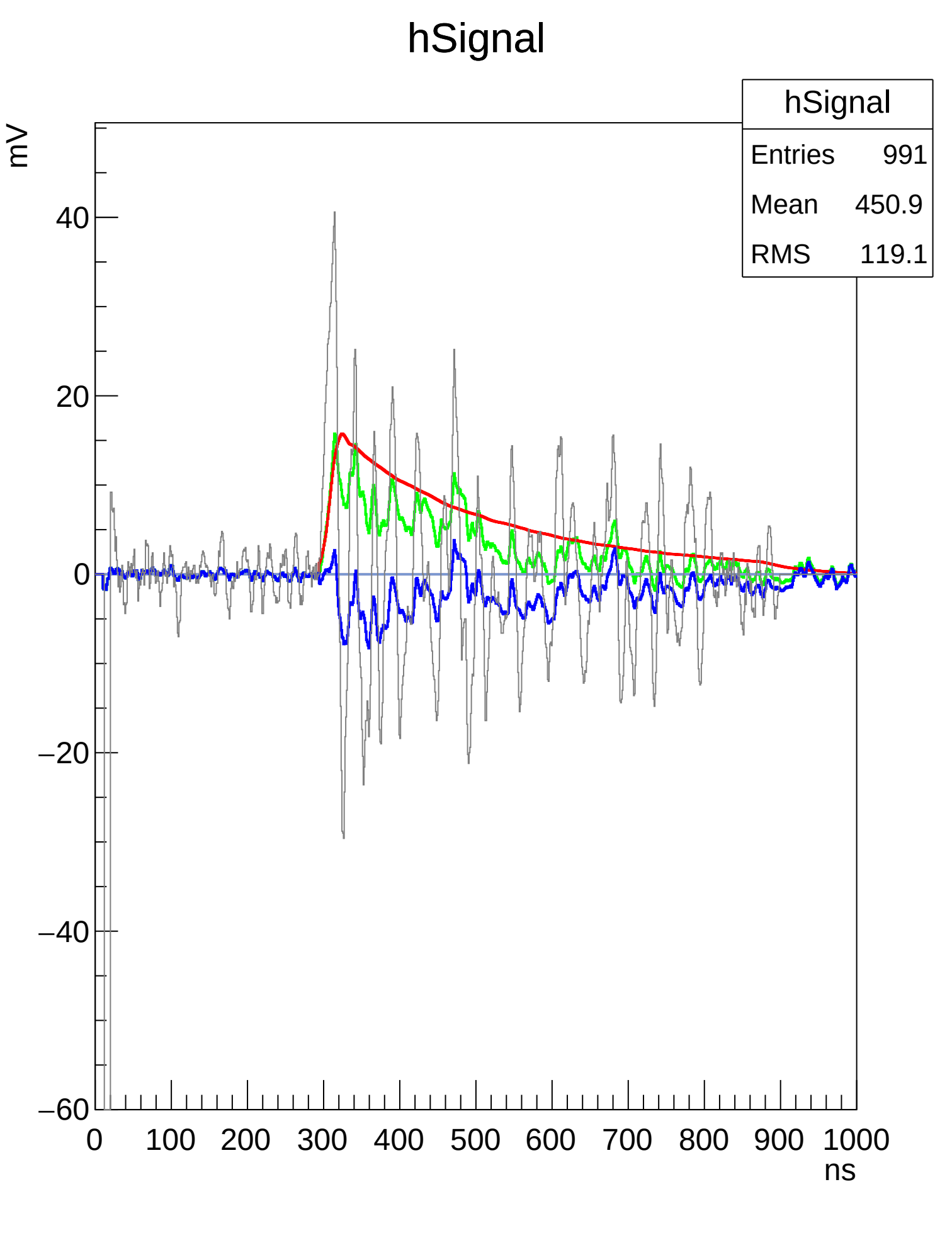
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 450.9
RMS 119.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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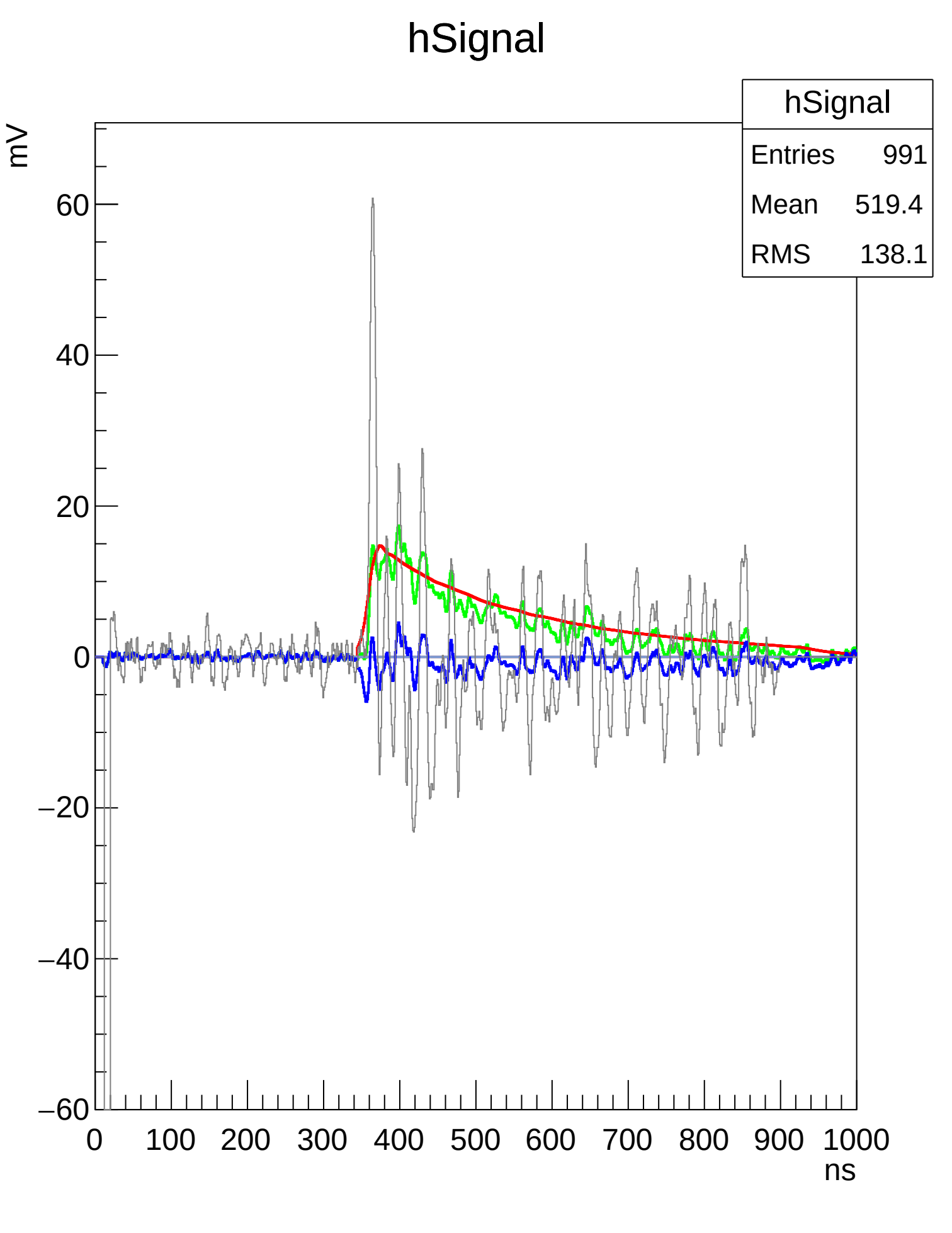
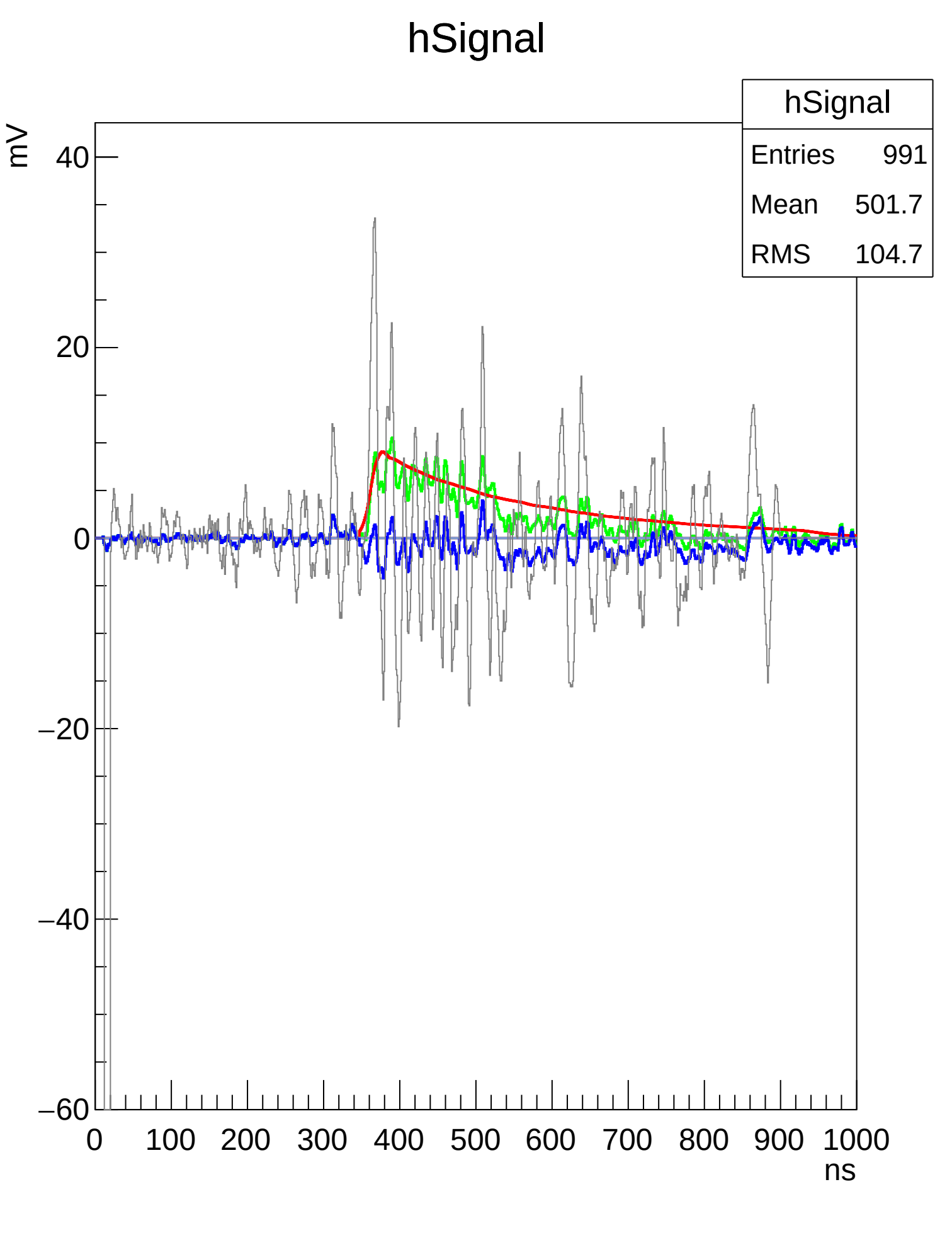
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.4
RMS 138.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.7
RMS 104.7
mV
40
20
0
−20
−40
−60
0
100
200
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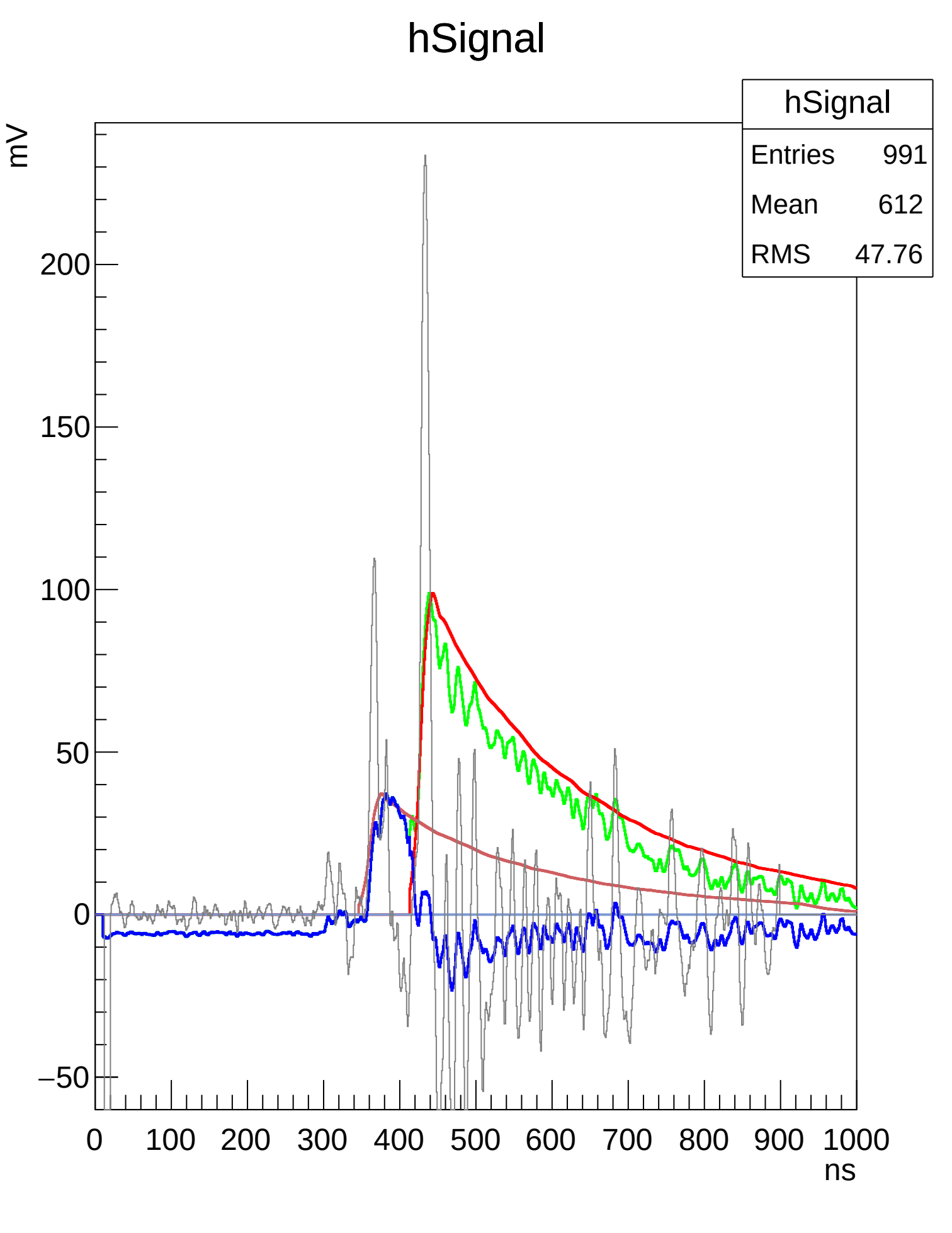
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612
RMS 47.76
mV
200
150
100
50
0
−50
0
100
200
300
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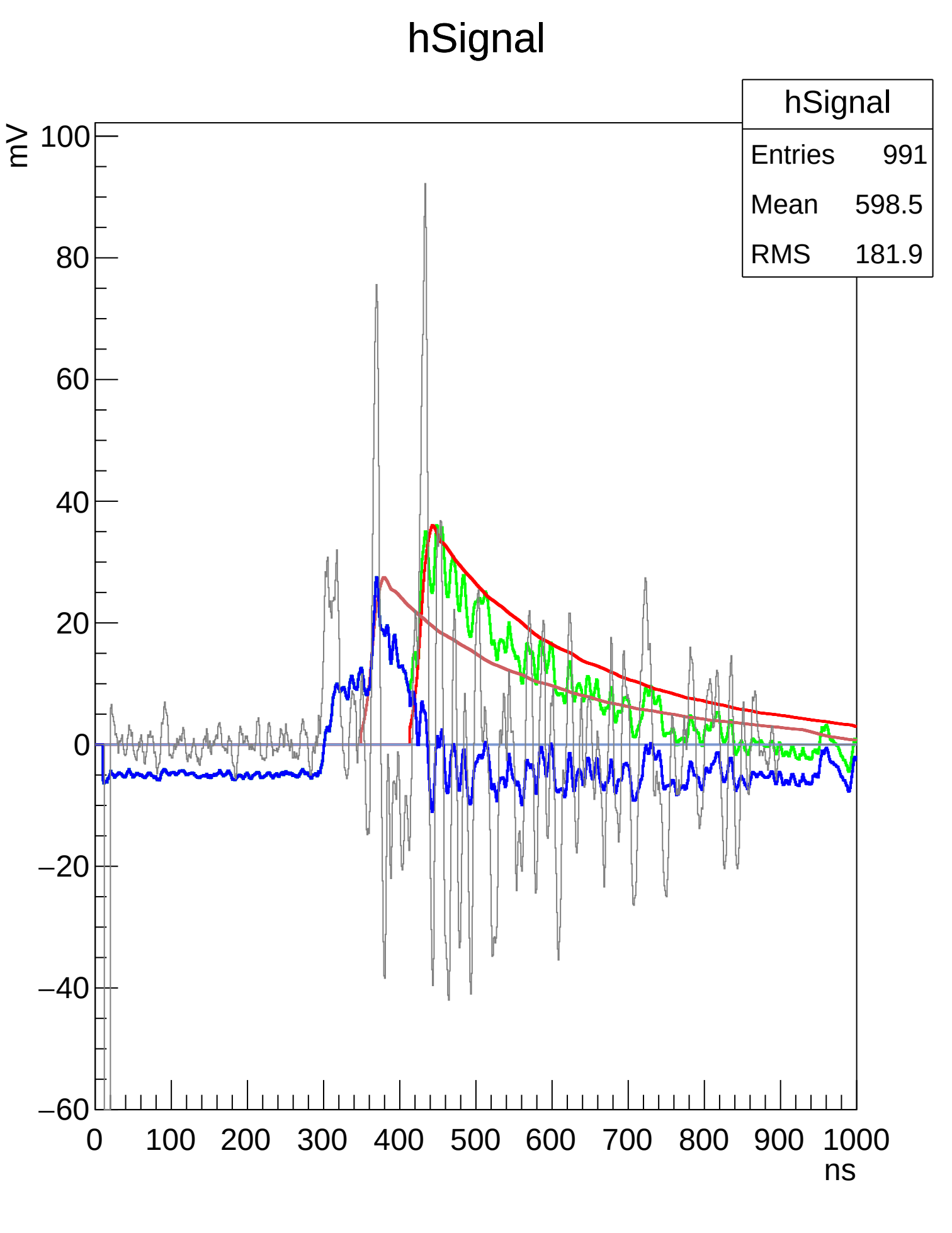
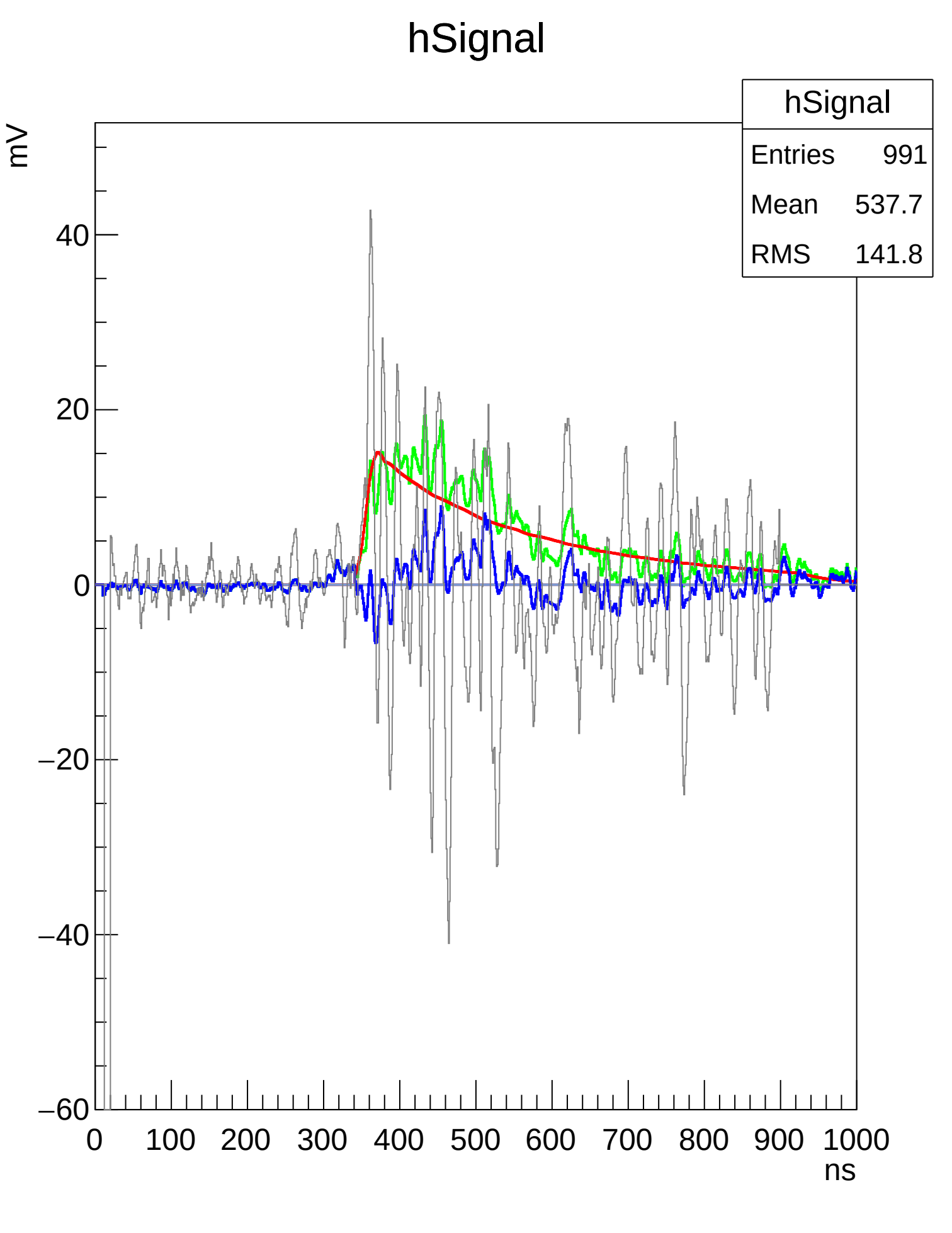
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.5
RMS 181.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.7
RMS 141.8
mV
40
20
0
−20
−40
−60
0
100
200
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400
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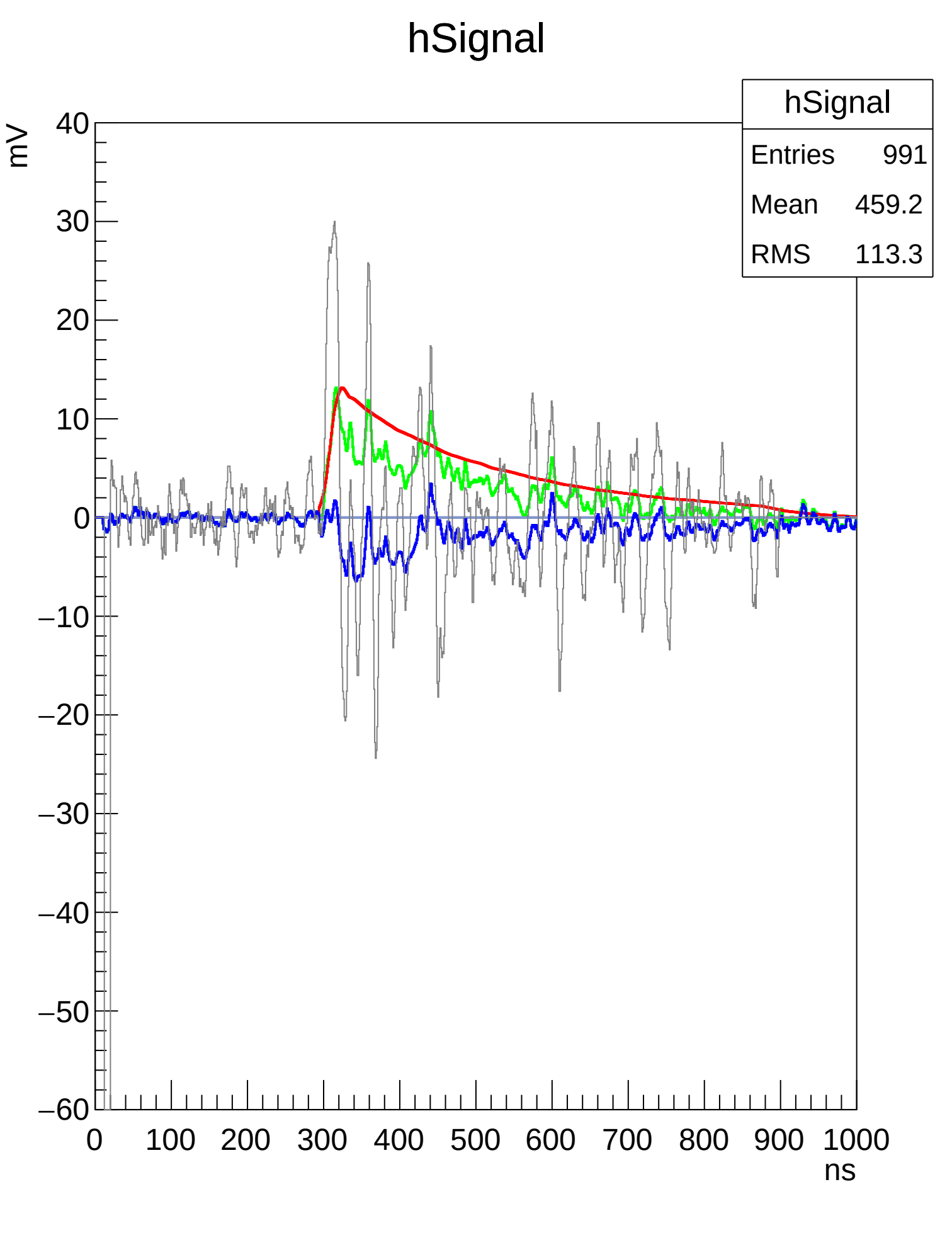
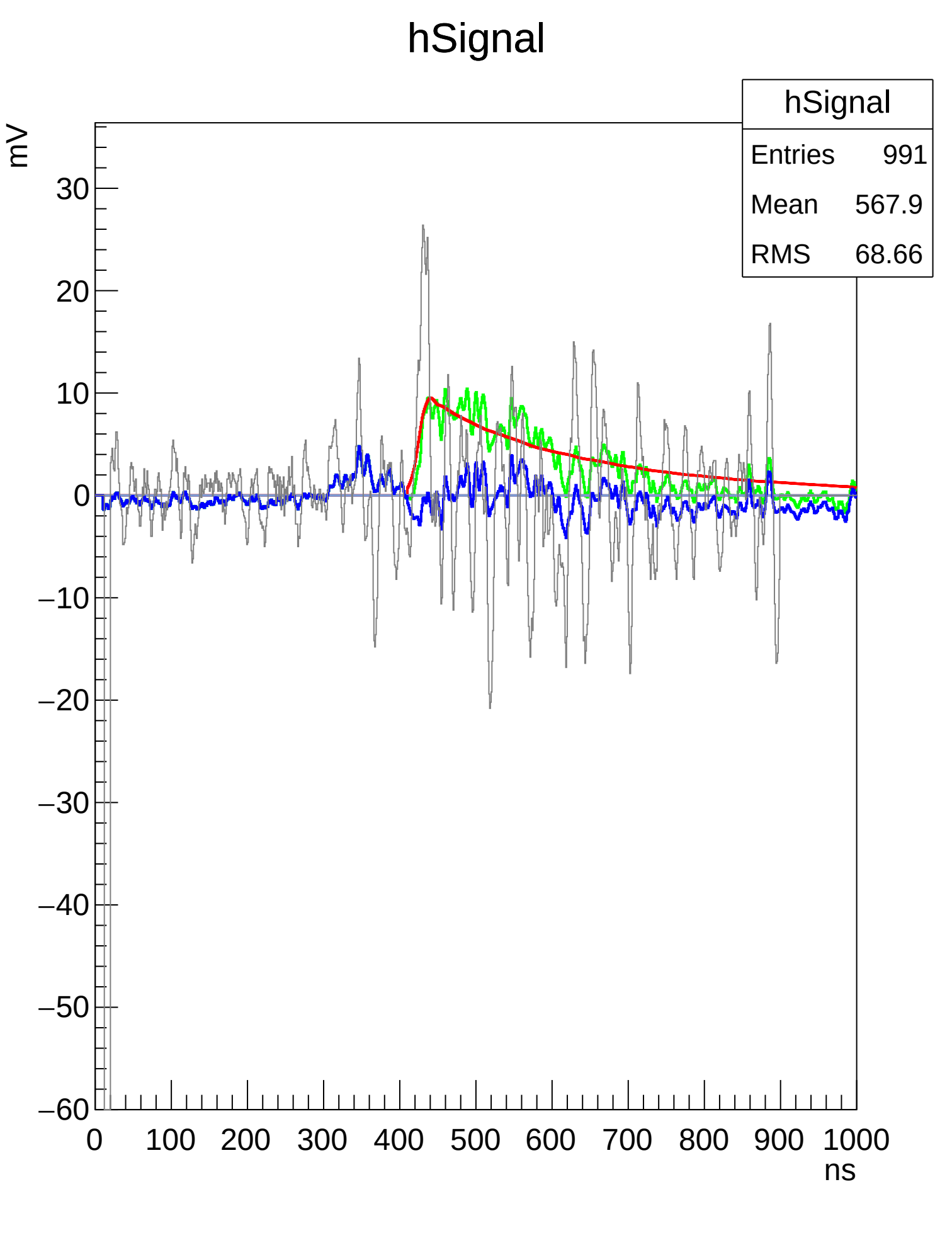
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 459.2
RMS 113.3
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.9
RMS 68.66
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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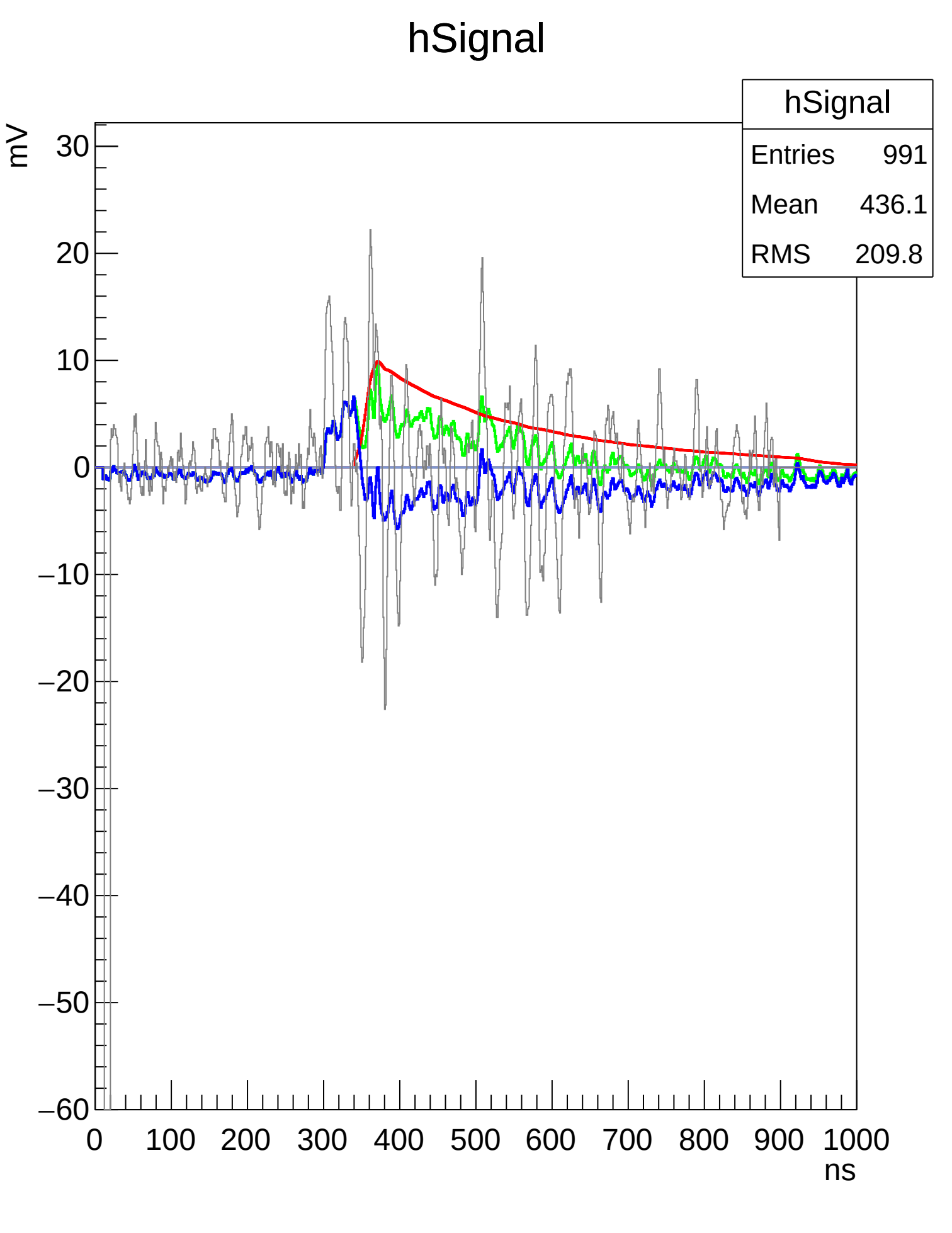
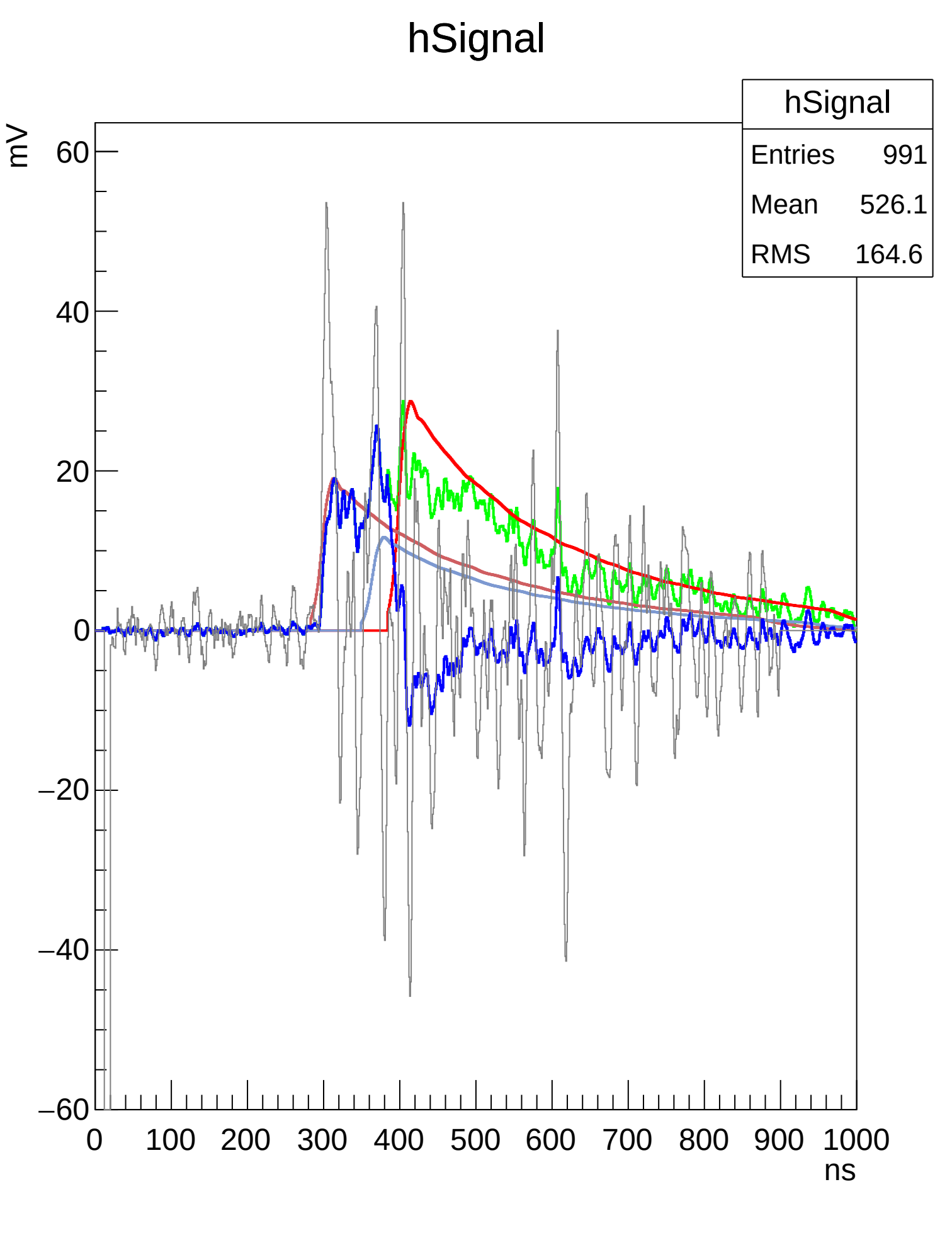
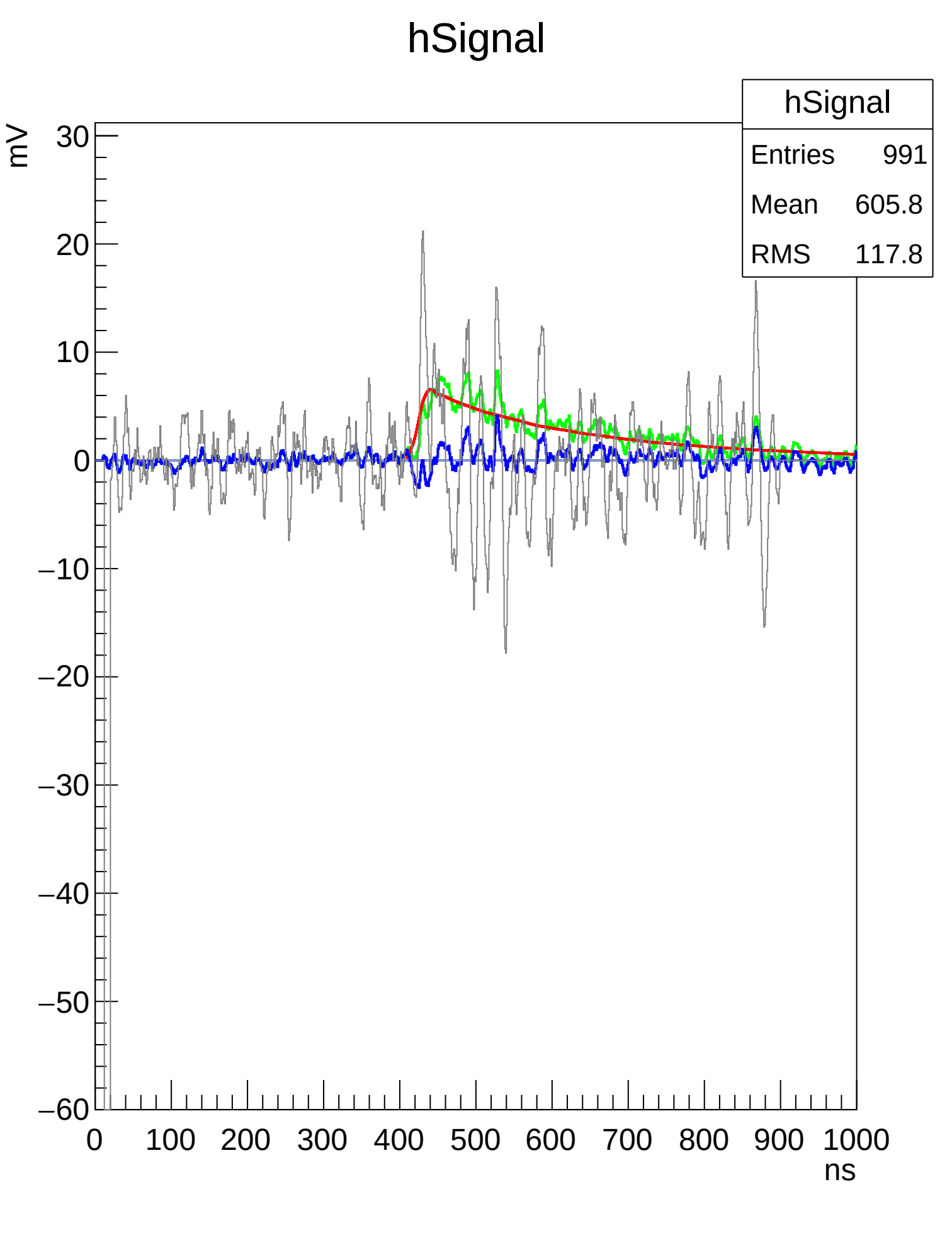
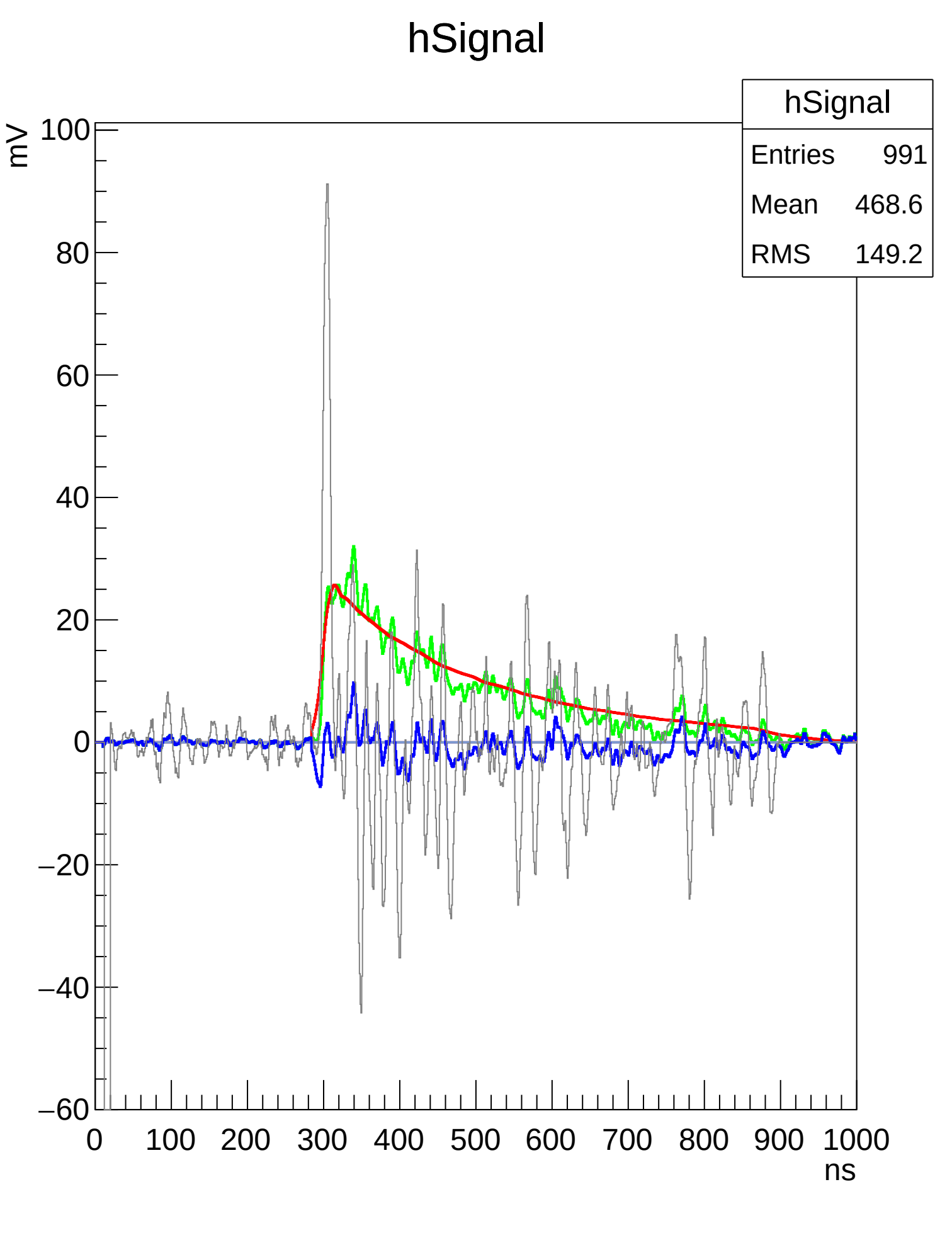
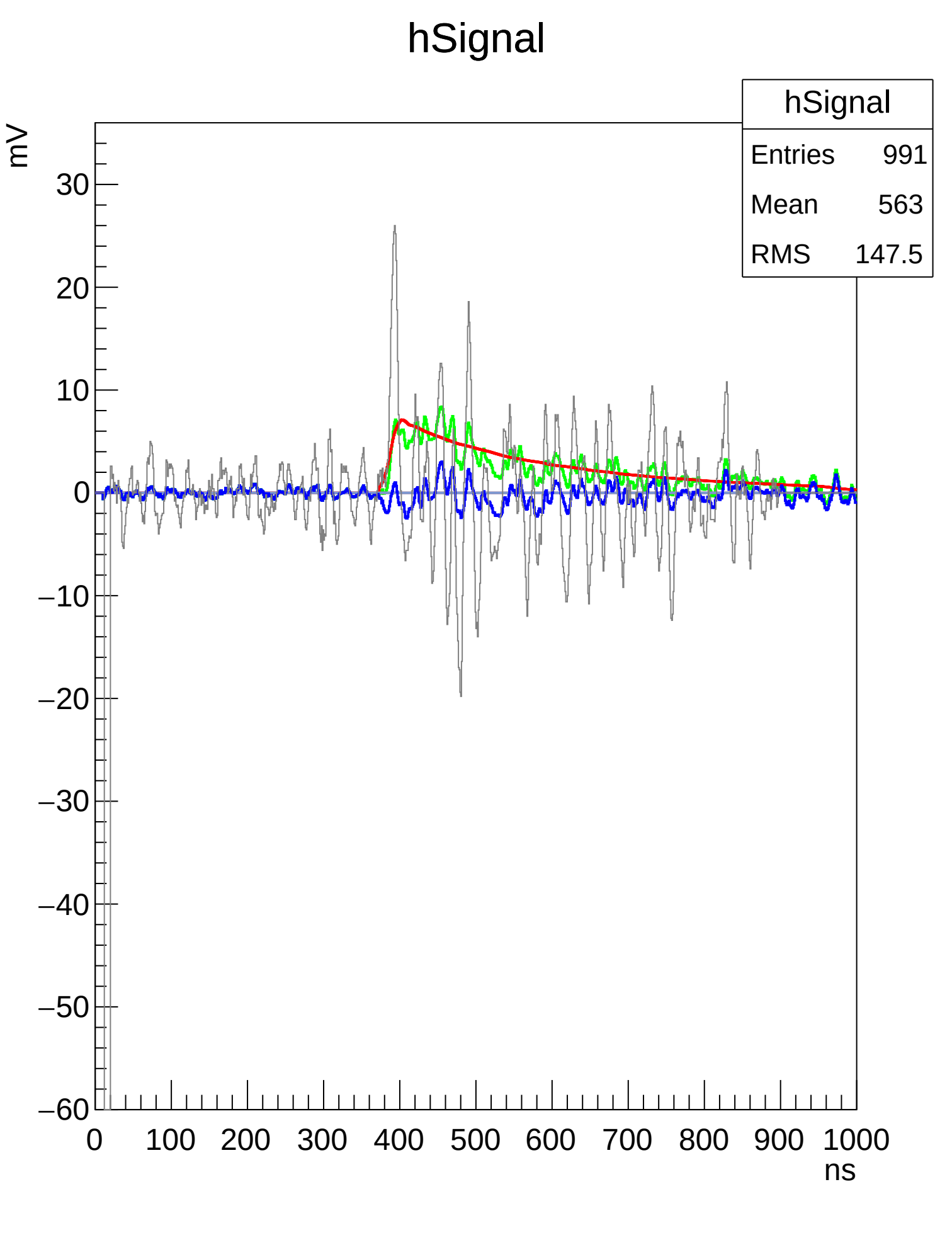
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 436.1
RMS 209.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.1
RMS 164.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.8
RMS 117.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 468.6
RMS 149.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563
RMS 147.5
mV
30
20
10
0
−10
−20
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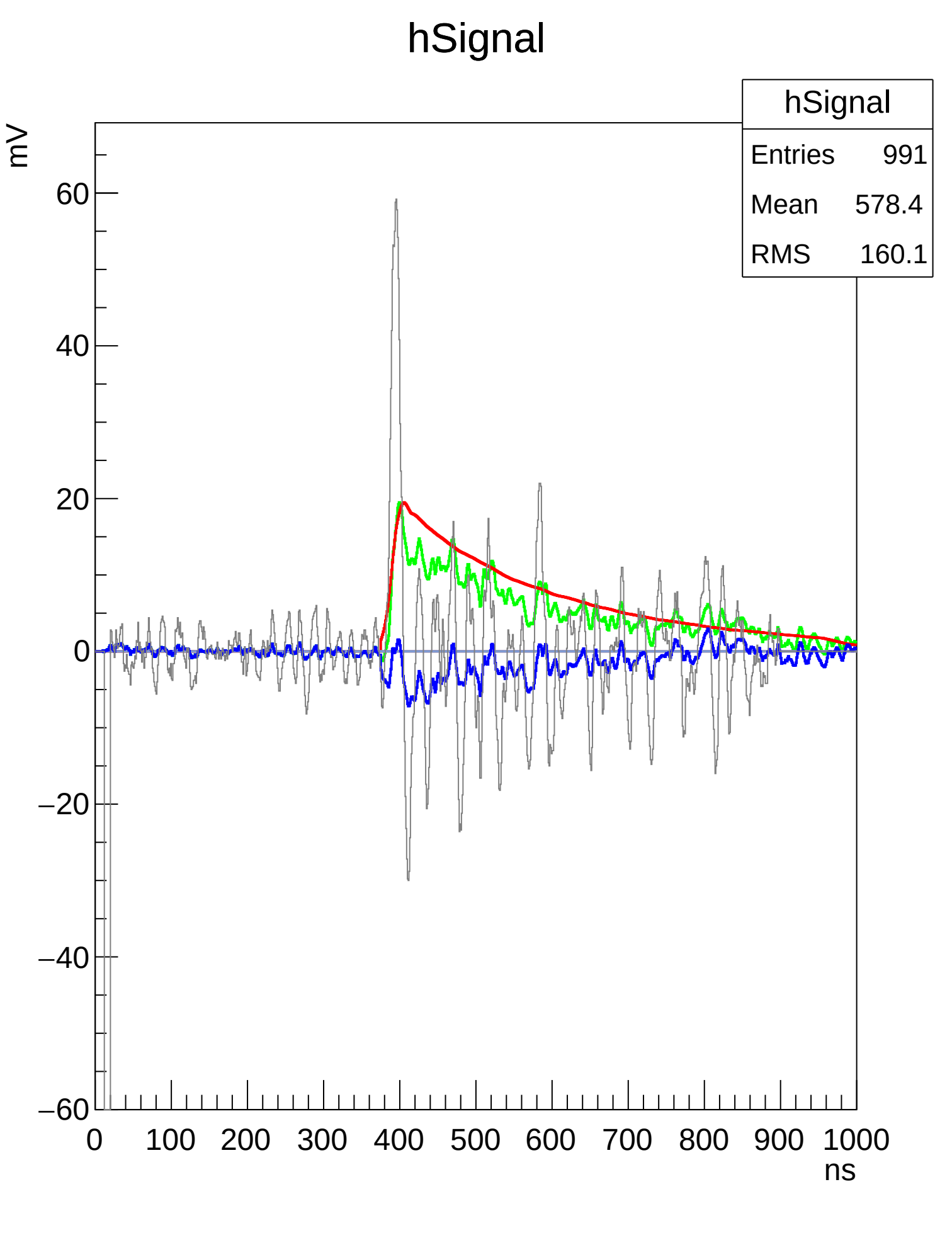
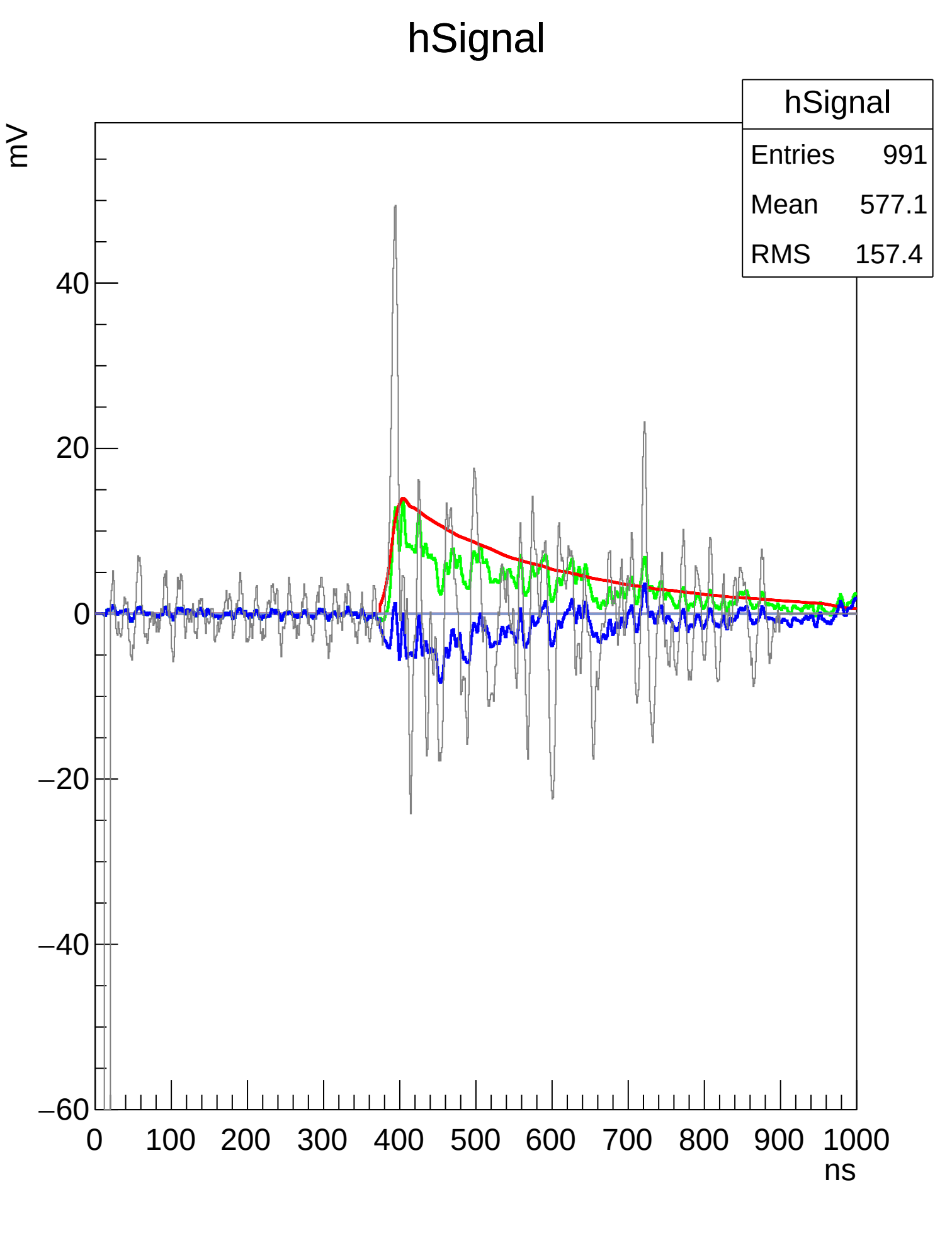
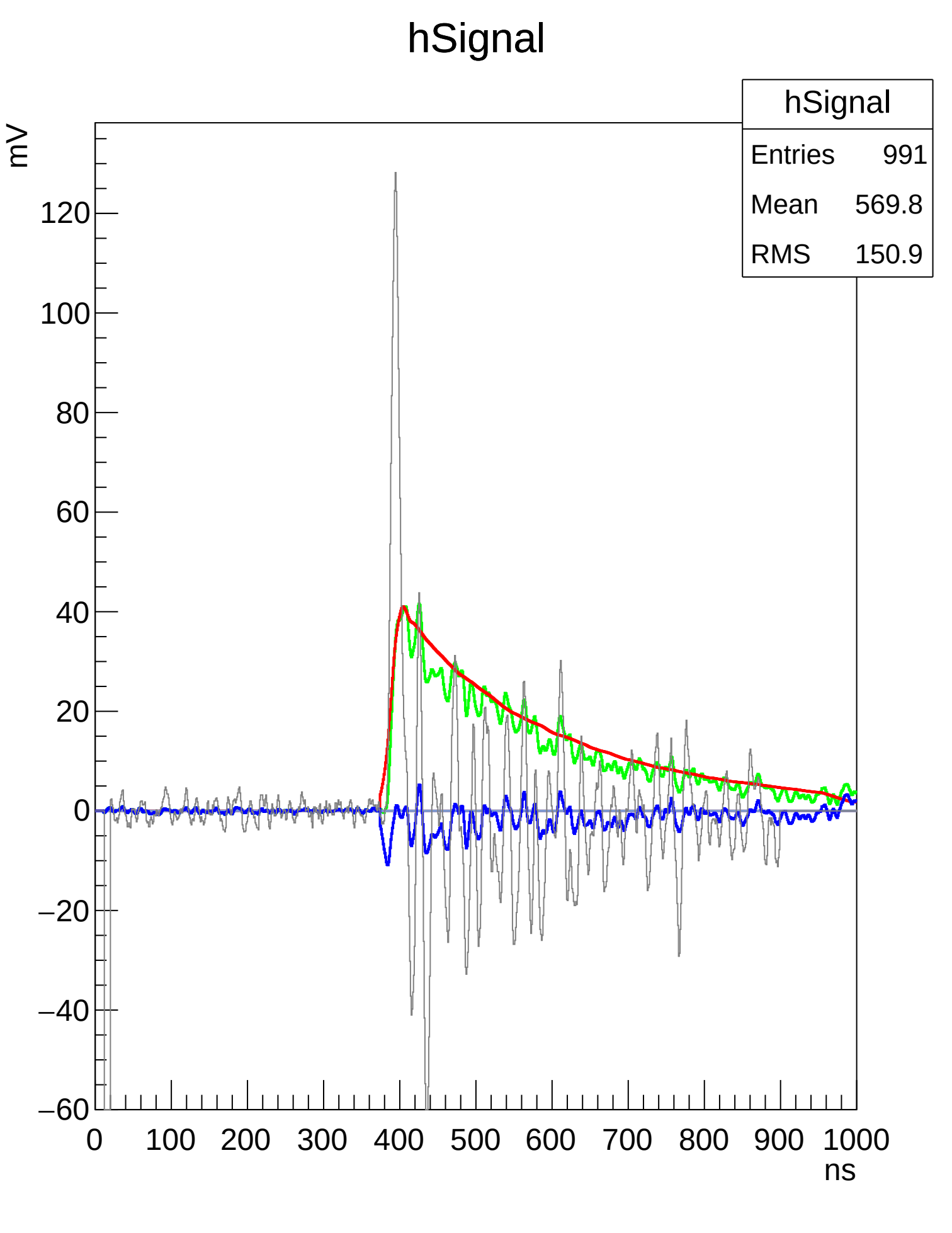
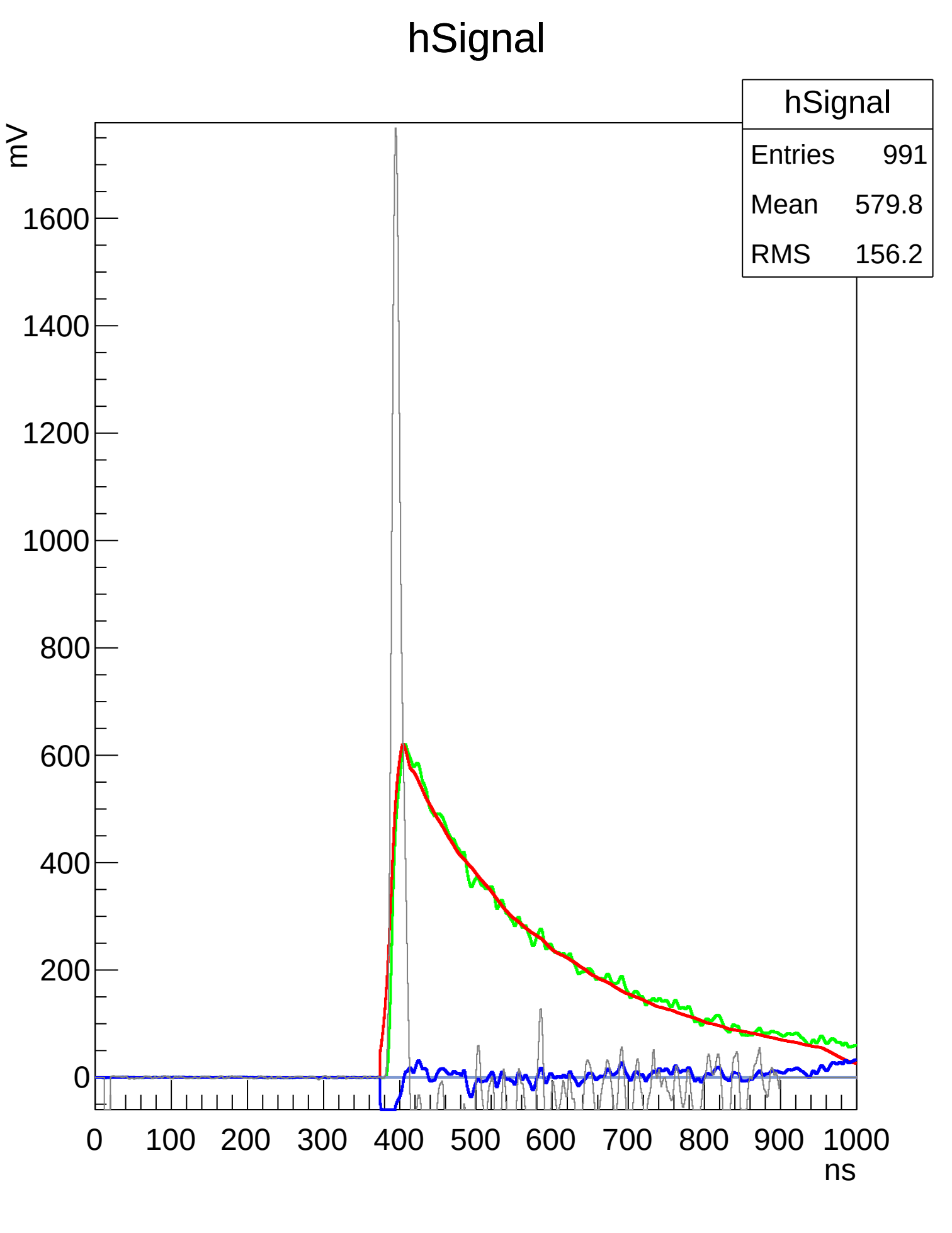
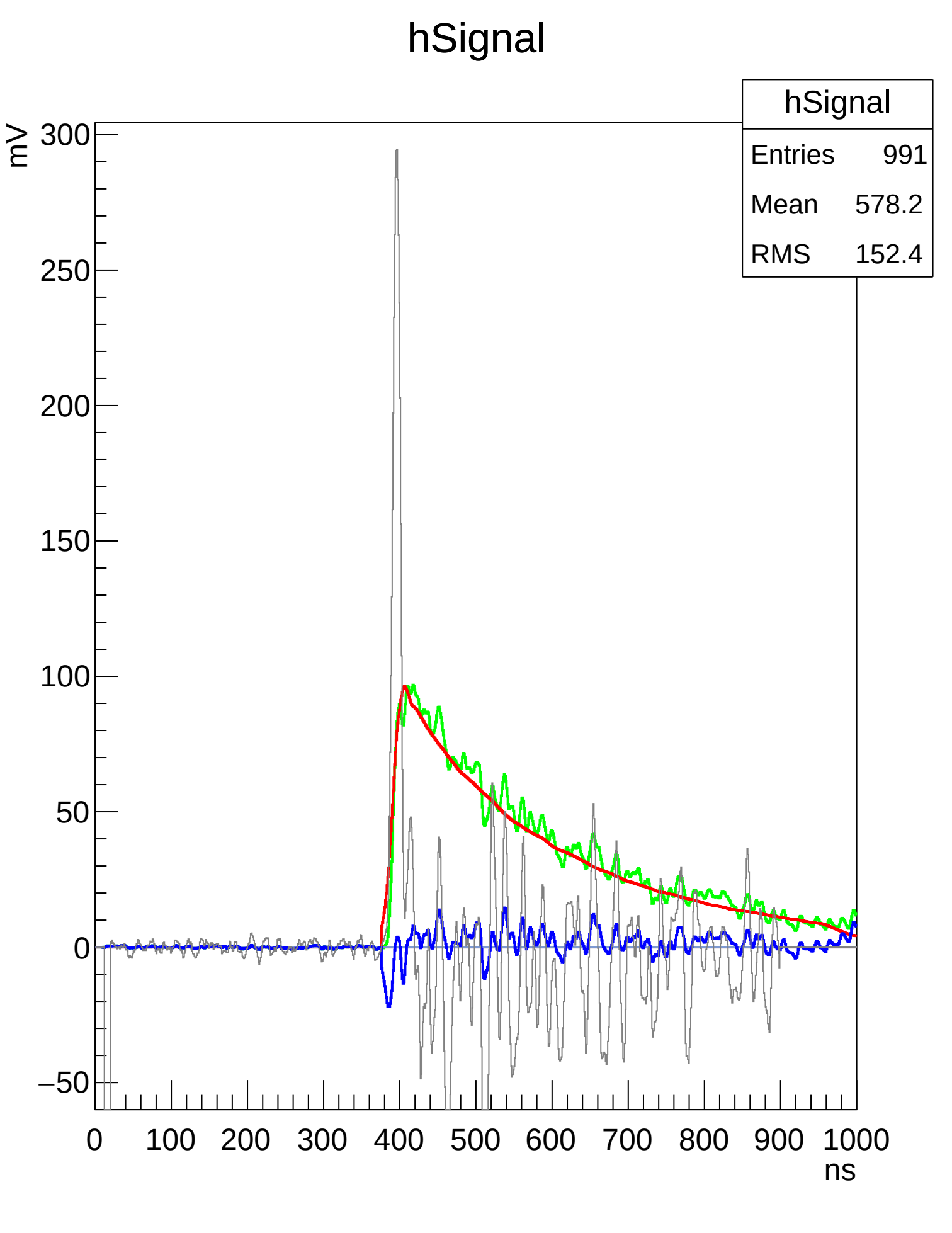
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

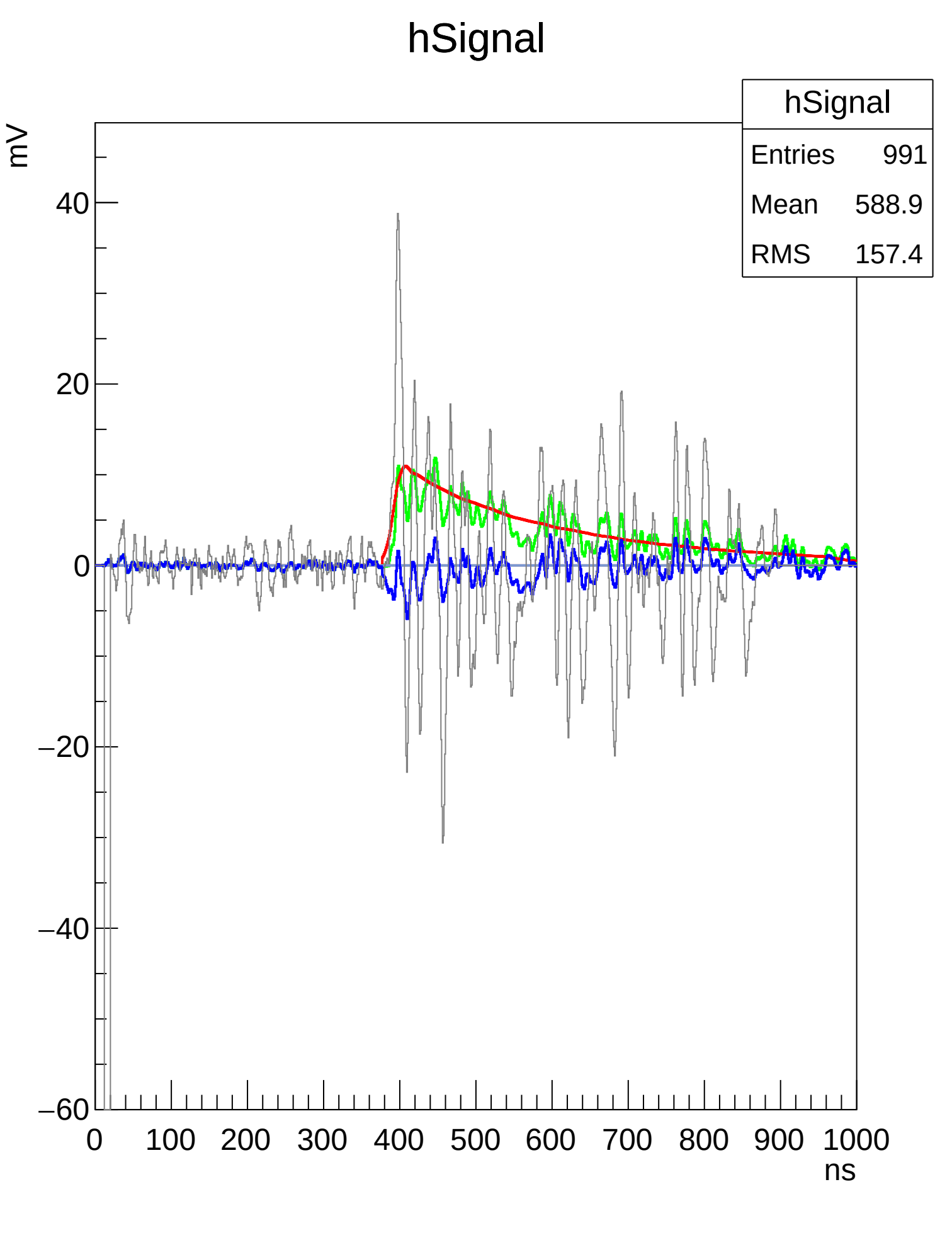

hSignal
hSignal
Entries 991
Mean 578.4
RMS 160.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.1
RMS 157.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.8
RMS 150.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.8
RMS 156.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.2
RMS 152.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.9
RMS 157.4
mV
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20
0
−20
−40
−60
0
100
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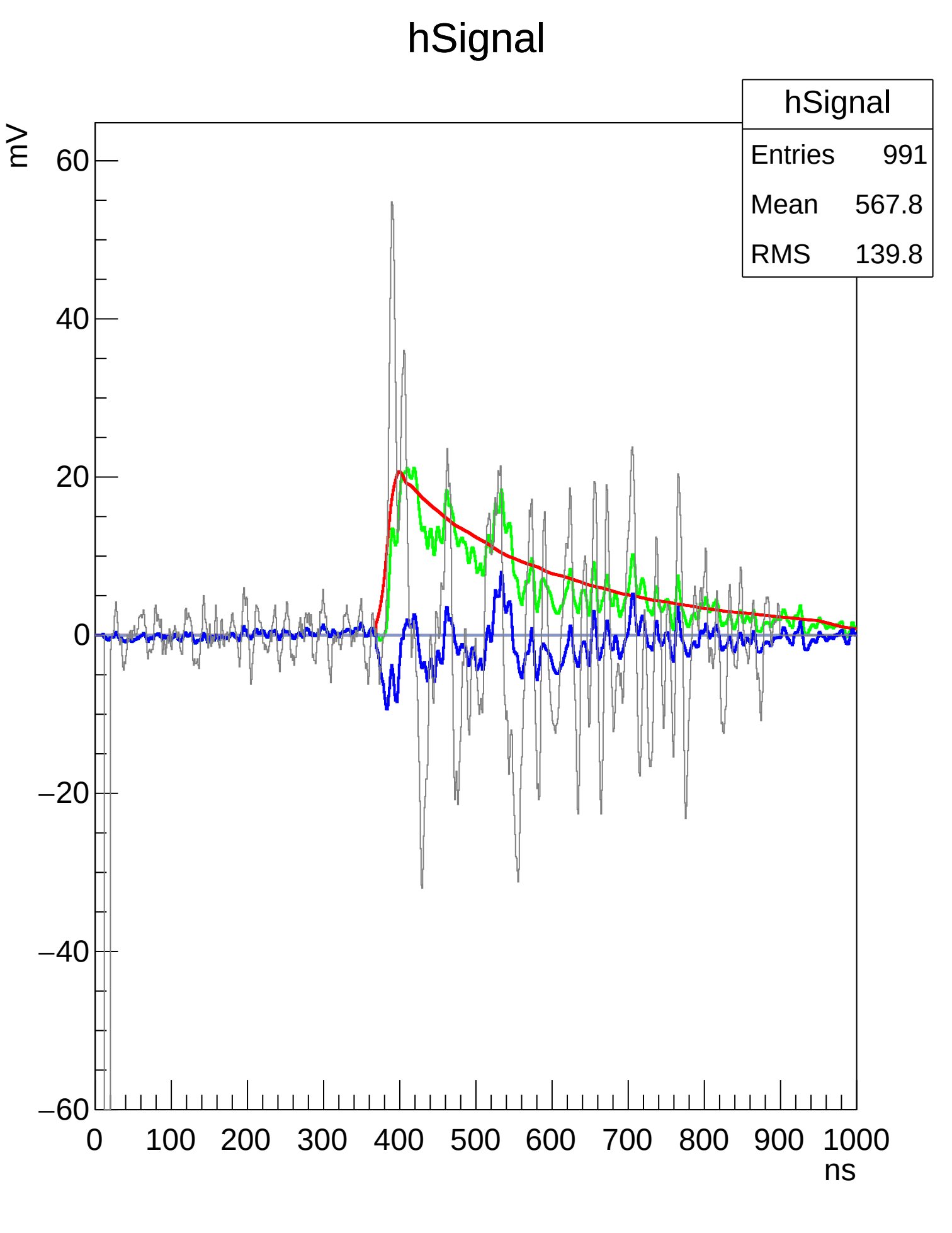
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.8
RMS 139.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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600
700
800
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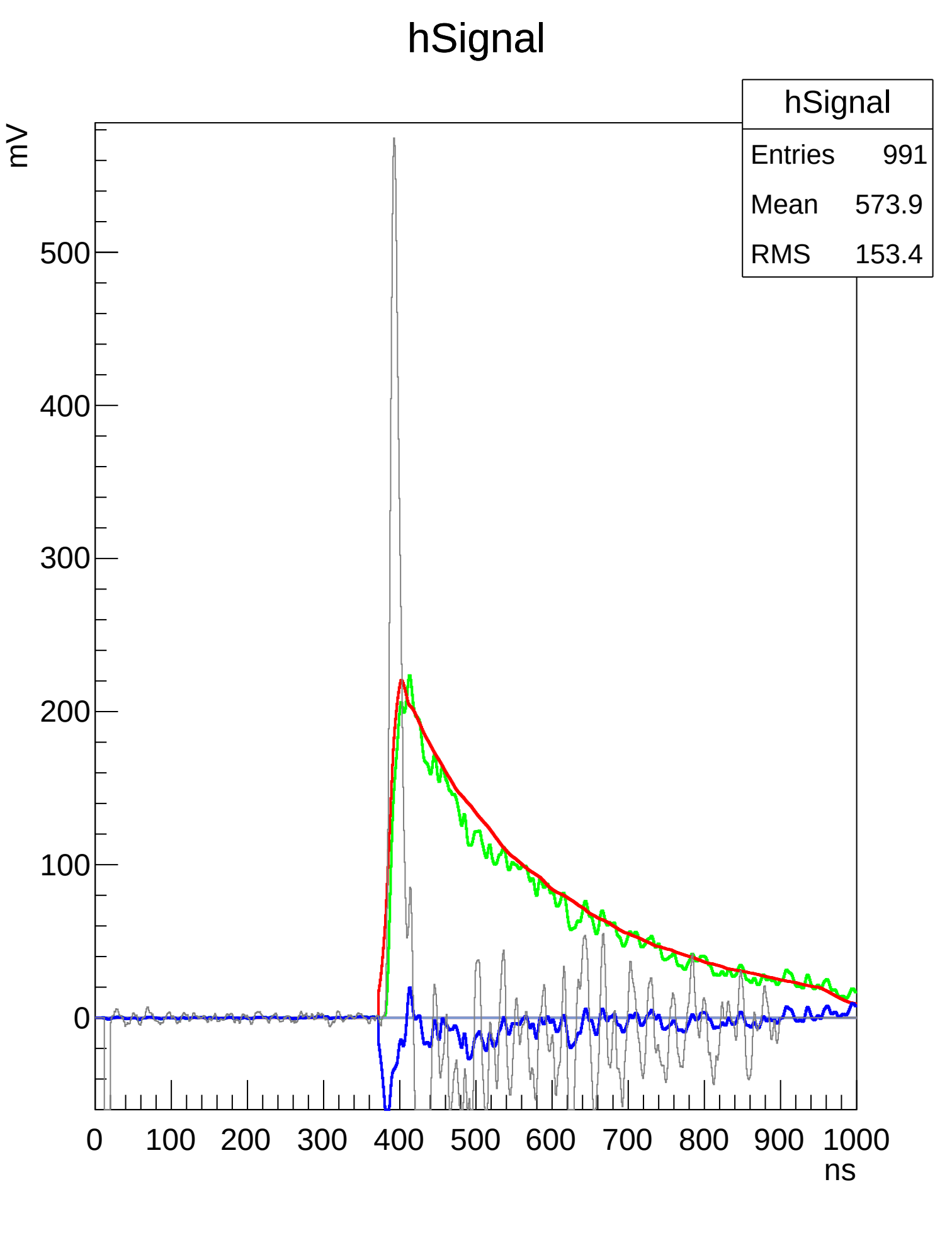
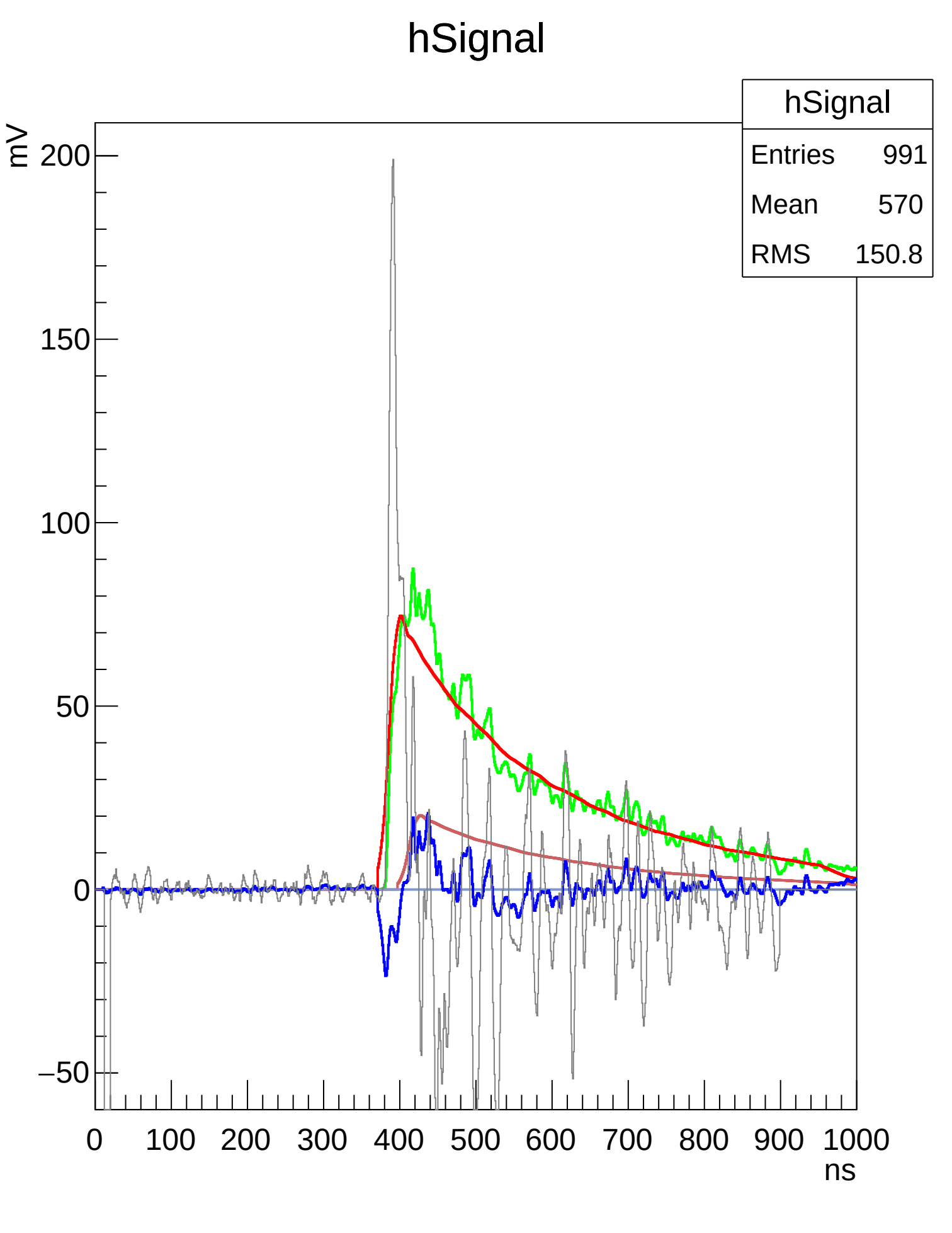
1000
ns


hSignal
hSignal
Entries 991
Mean 573.9
RMS 153.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570
RMS 150.8
mV
200
150
100
50
0
−50
0
100
200
300
400
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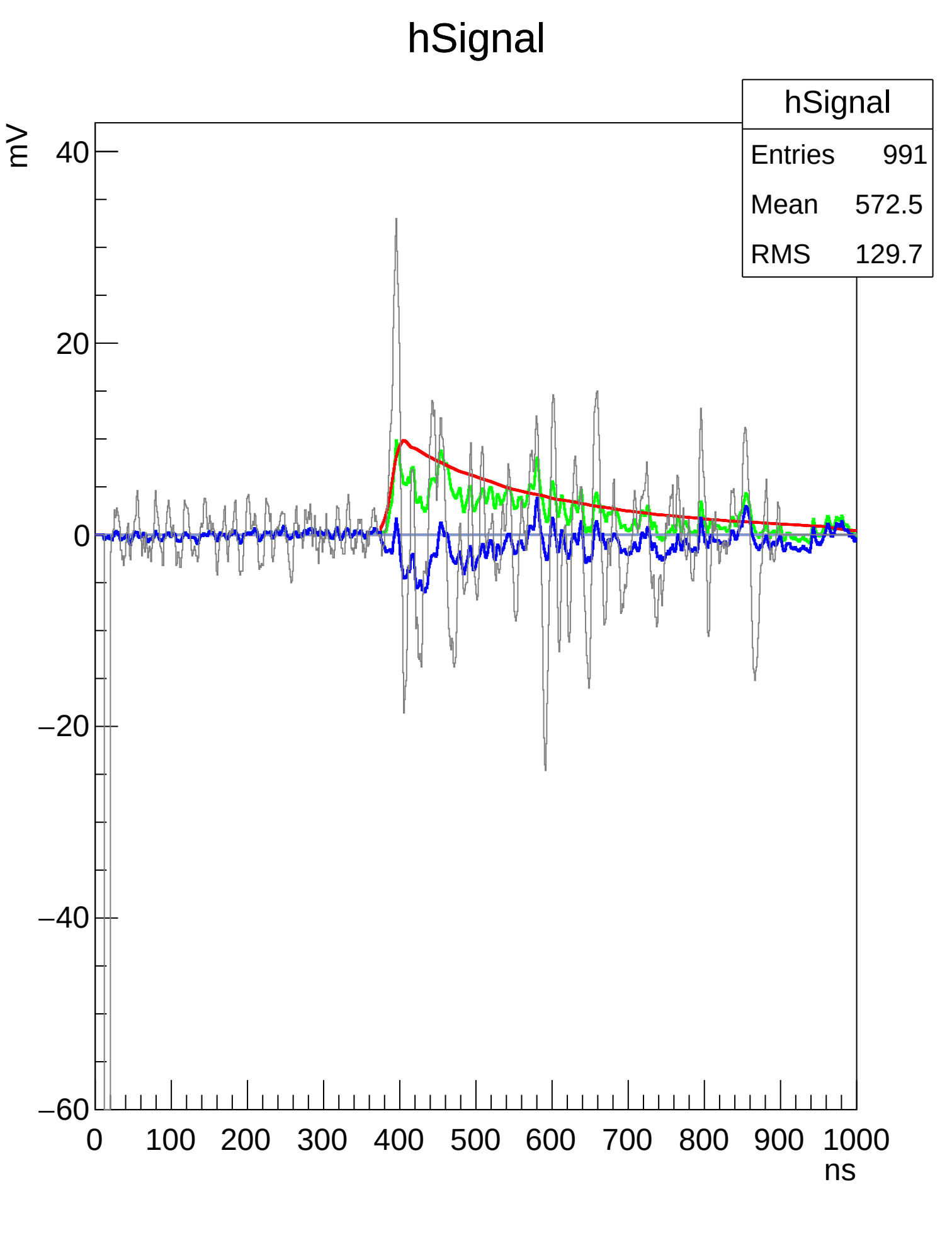
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.5
RMS 129.7
mV
40
20
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−20
−40
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0
100
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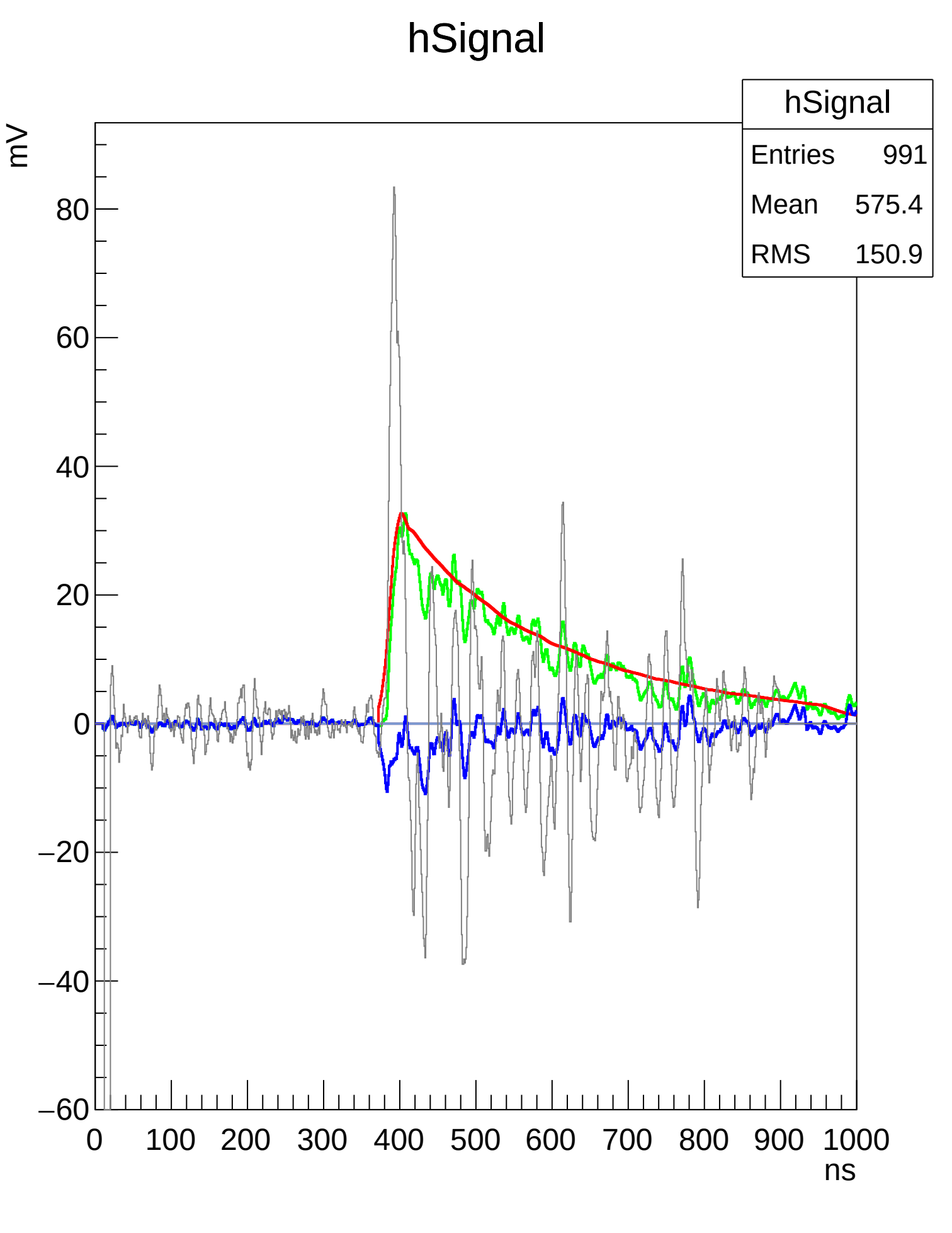
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.4
RMS 150.9
mV
80
60
40
20
0
−20
−40
−60
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100
200
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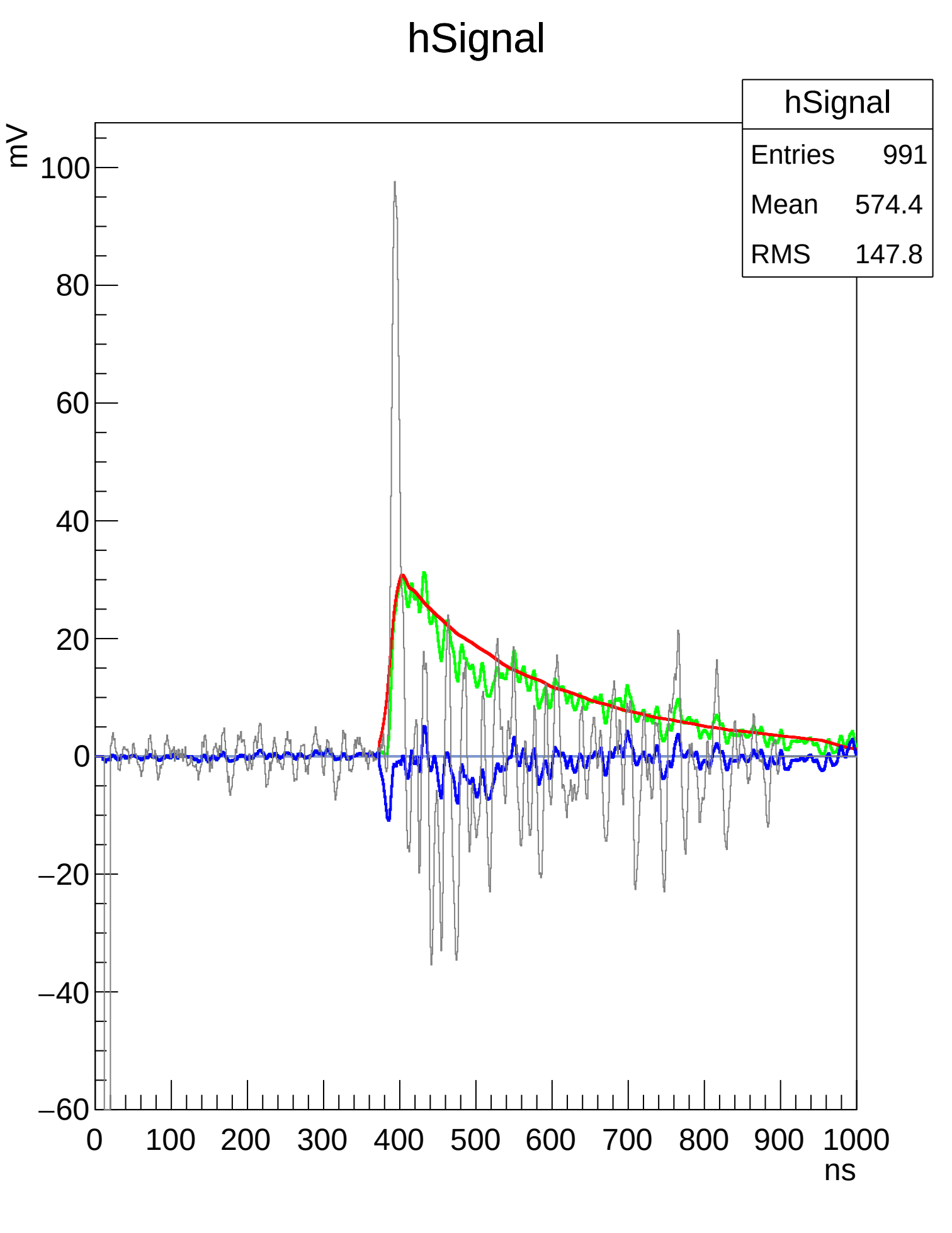
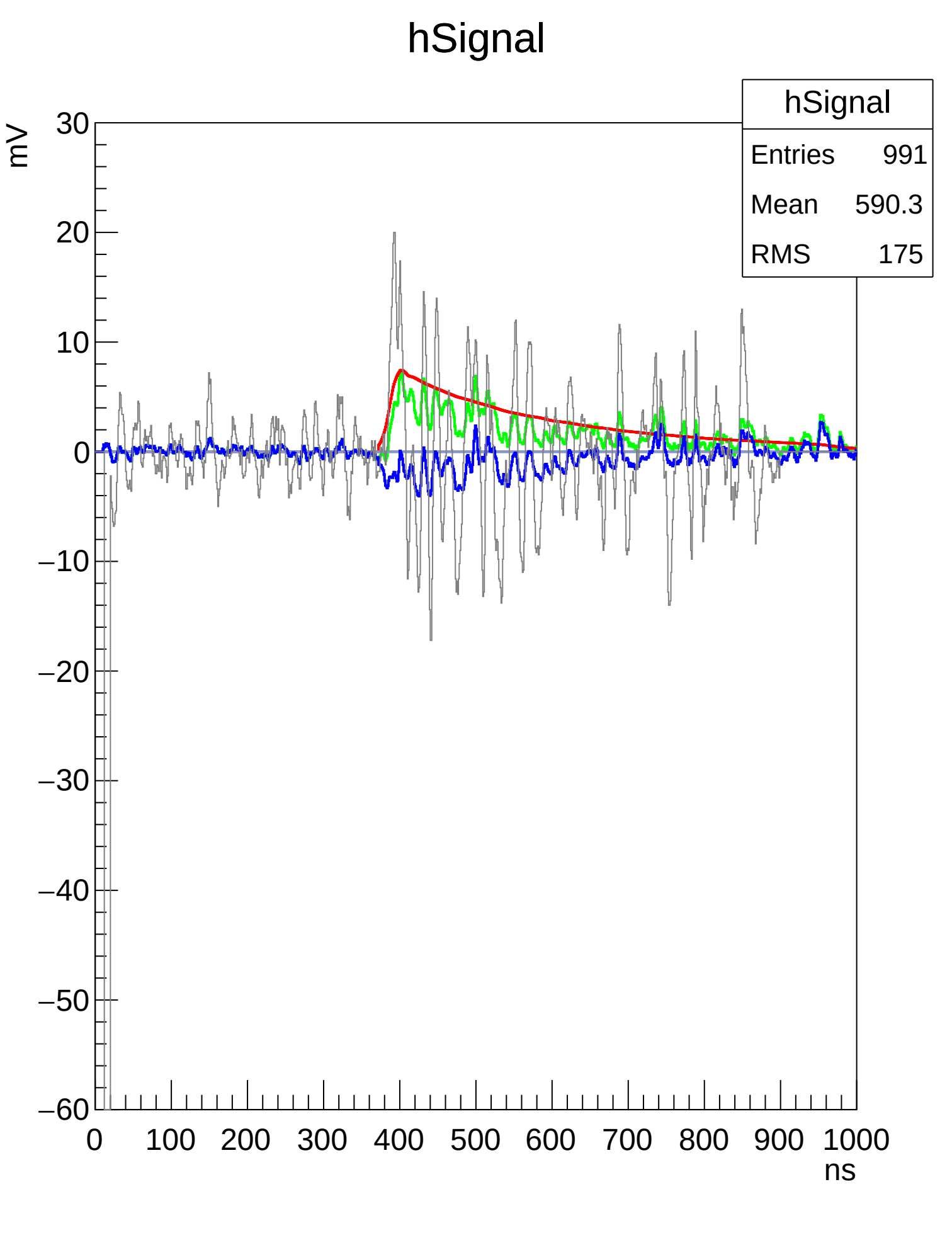
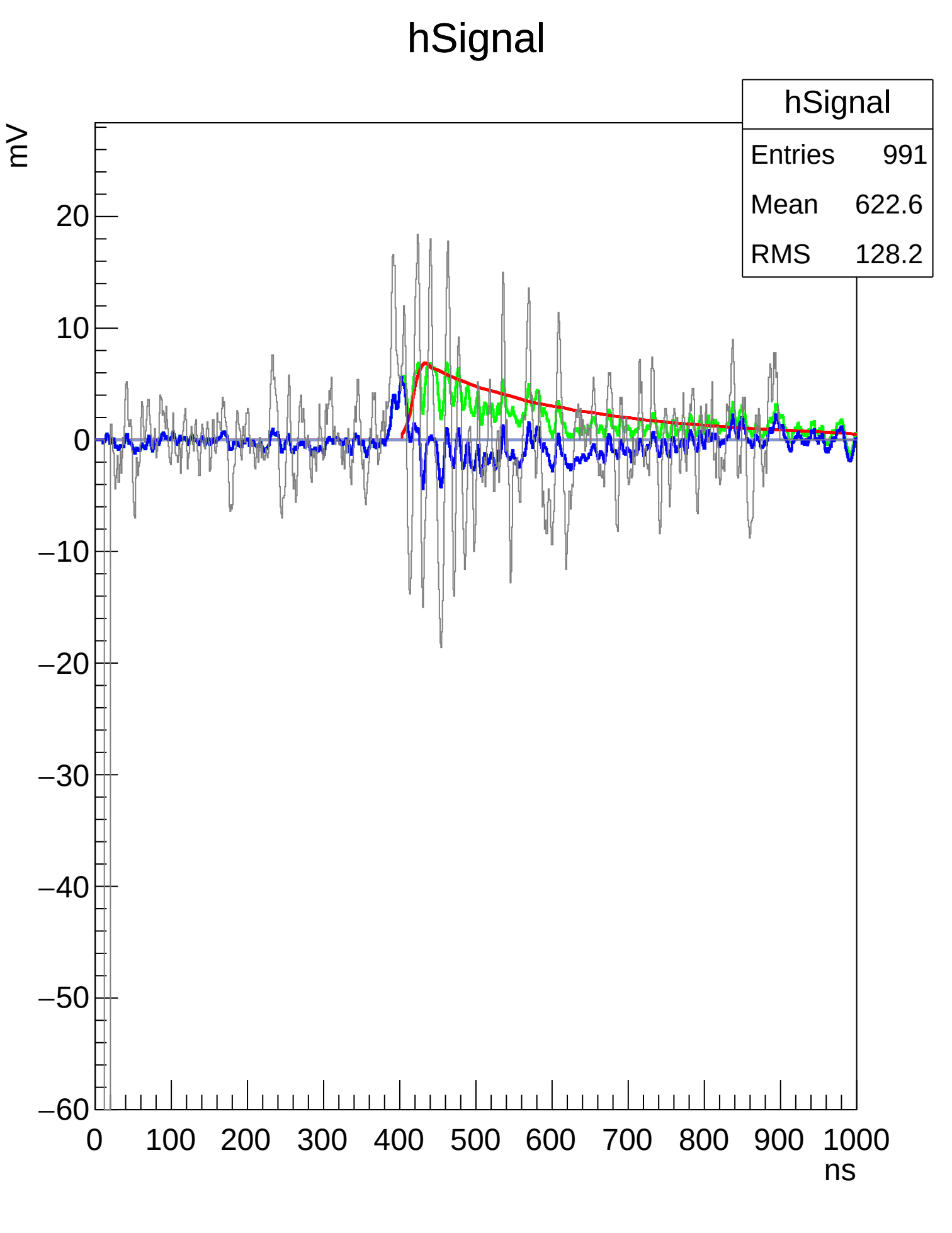
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.4
RMS 147.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.3
RMS 175
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.6
RMS 128.2
mV
20
10
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−10
−20
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−40
−50
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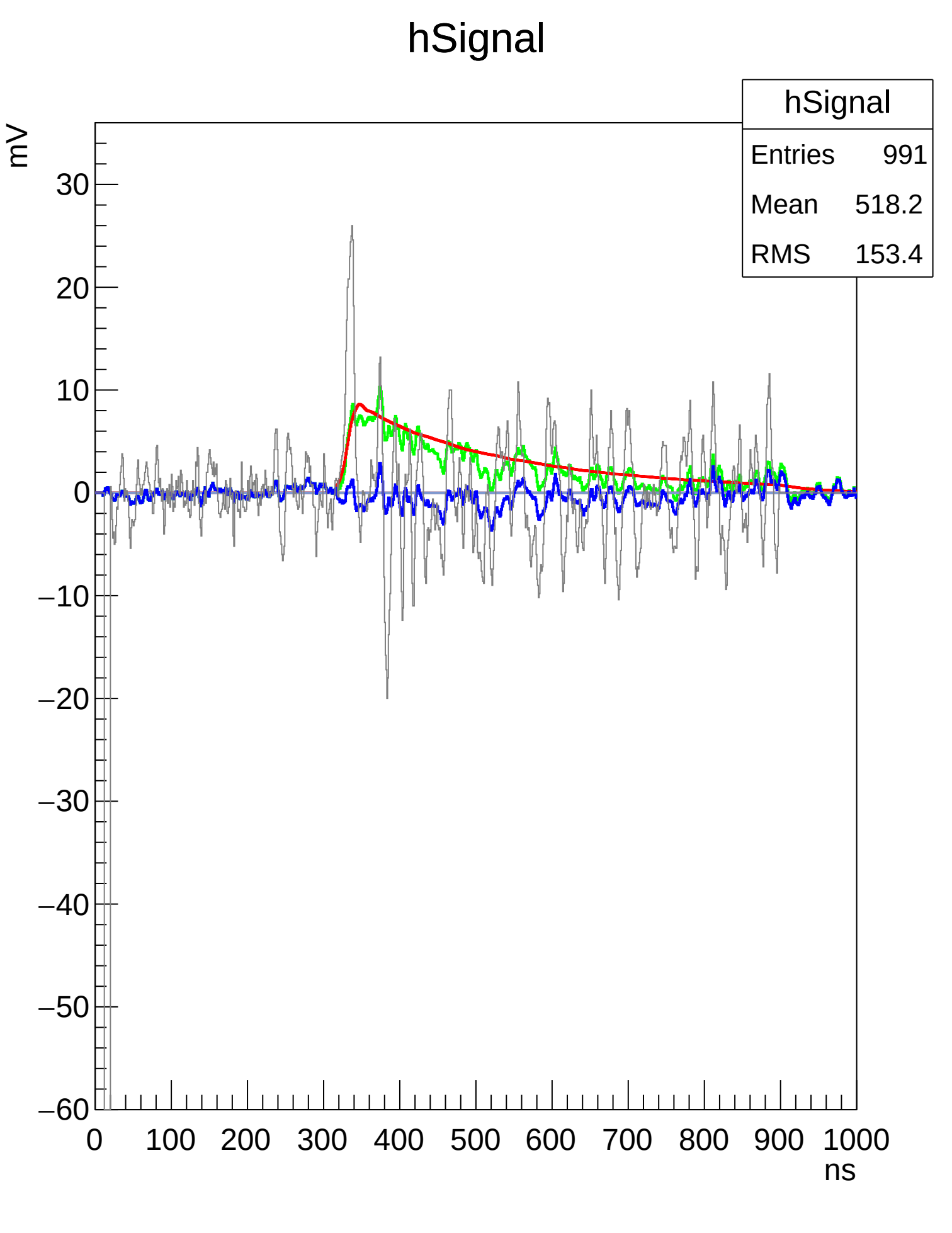
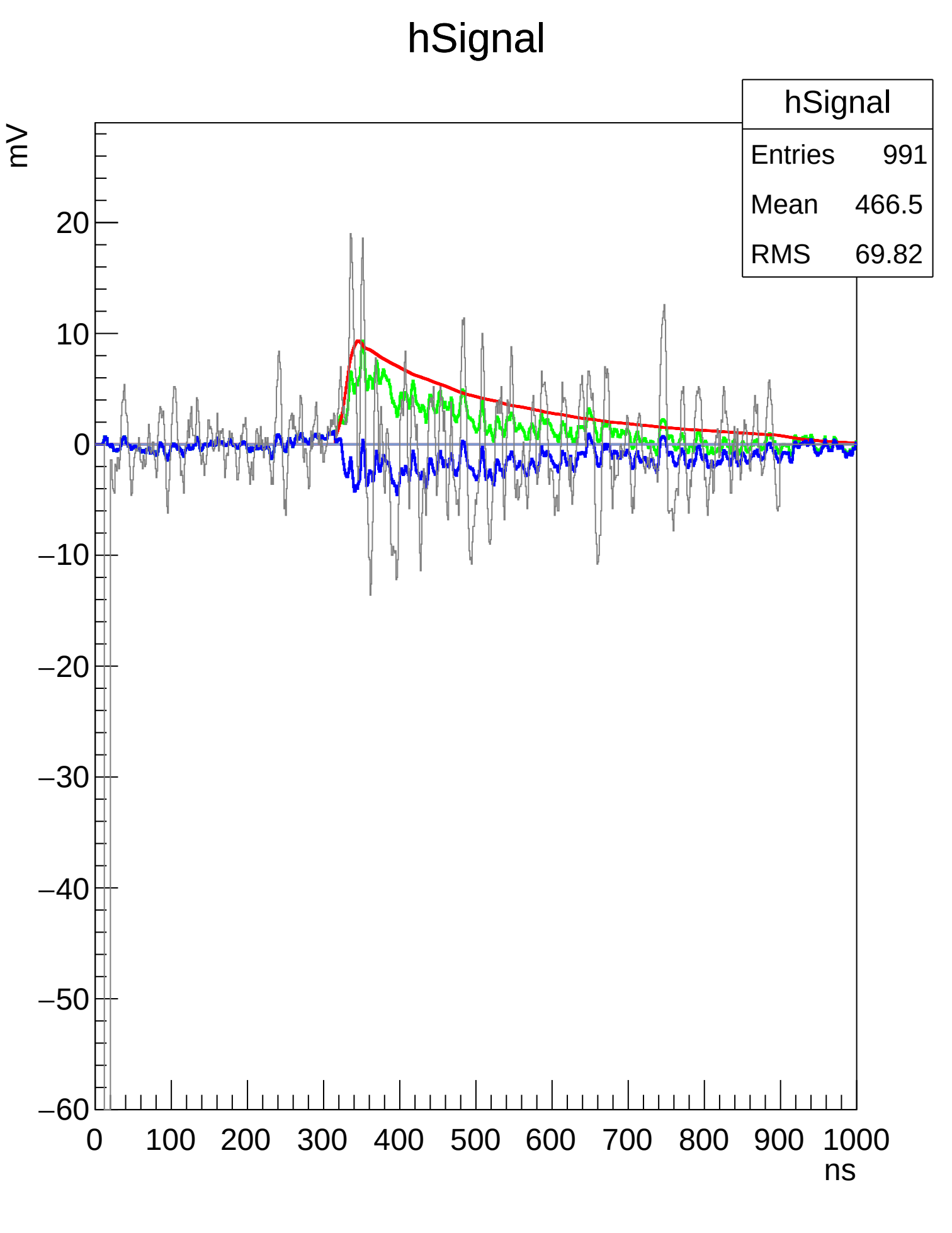
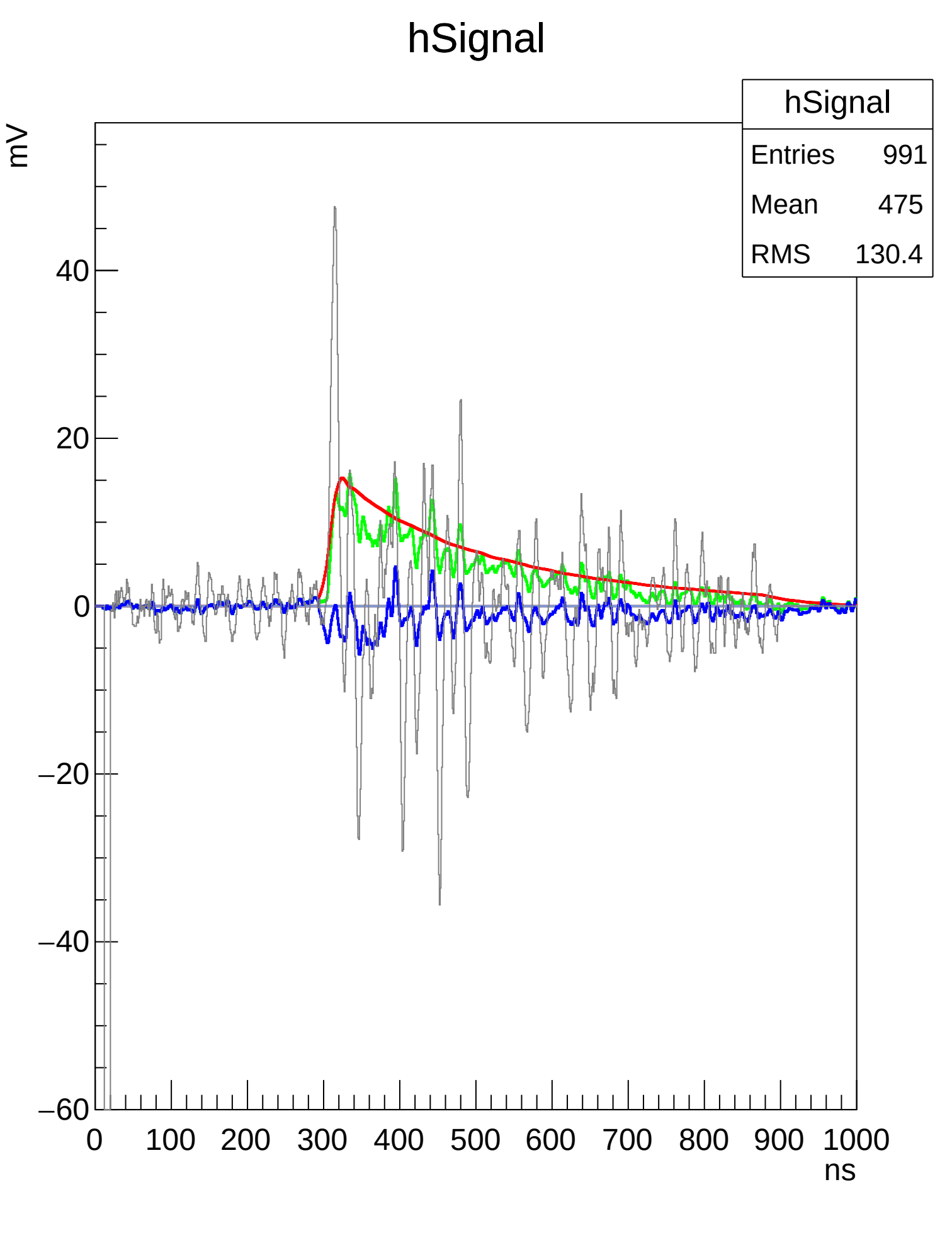
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.2
RMS 153.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 466.5
RMS 69.82
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 475
RMS 130.4
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−20
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100
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800
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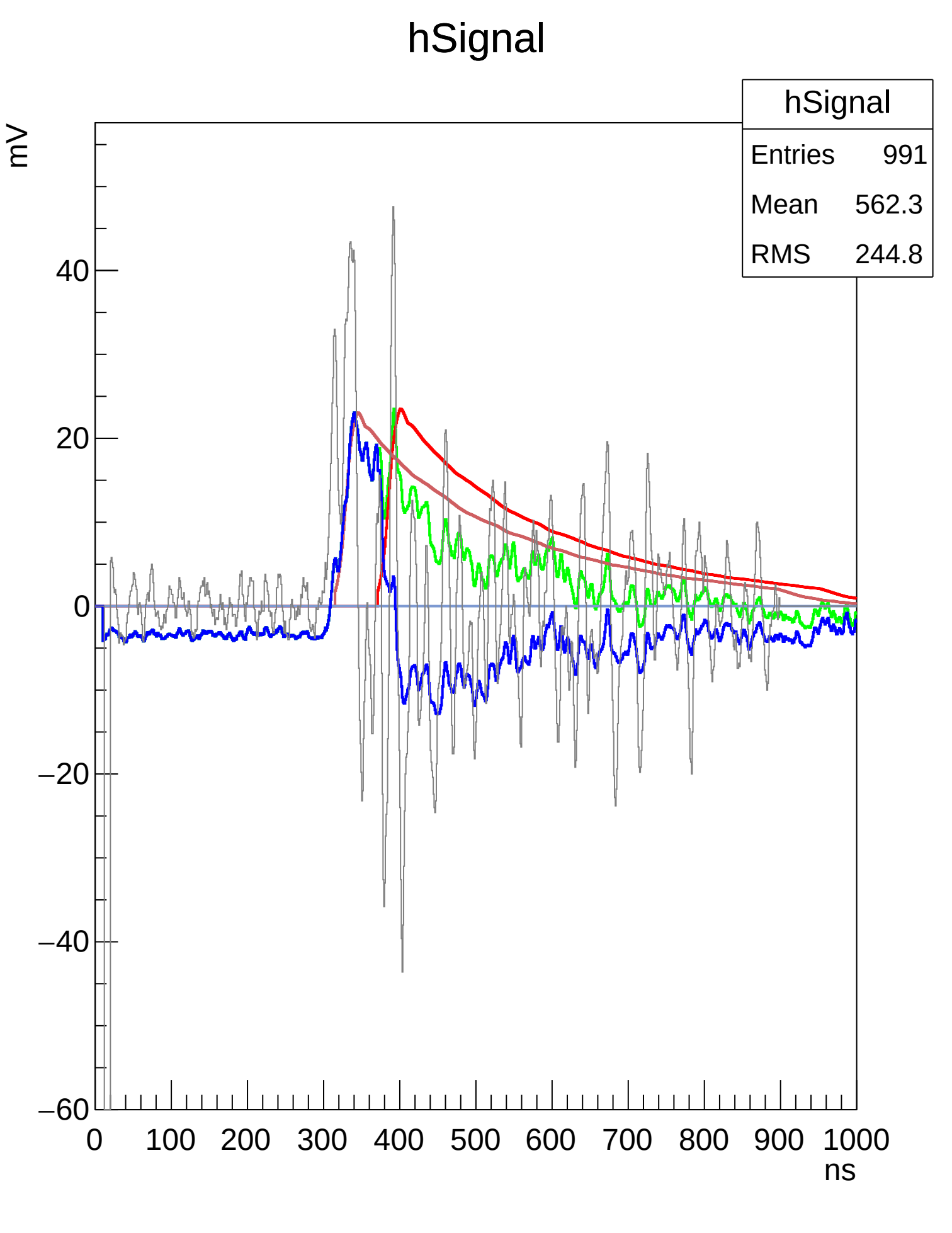
1000
ns


hSignal
hSignal
Entries 991
Mean 562.3
RMS 244.8
mV
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−20
−40
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0
100
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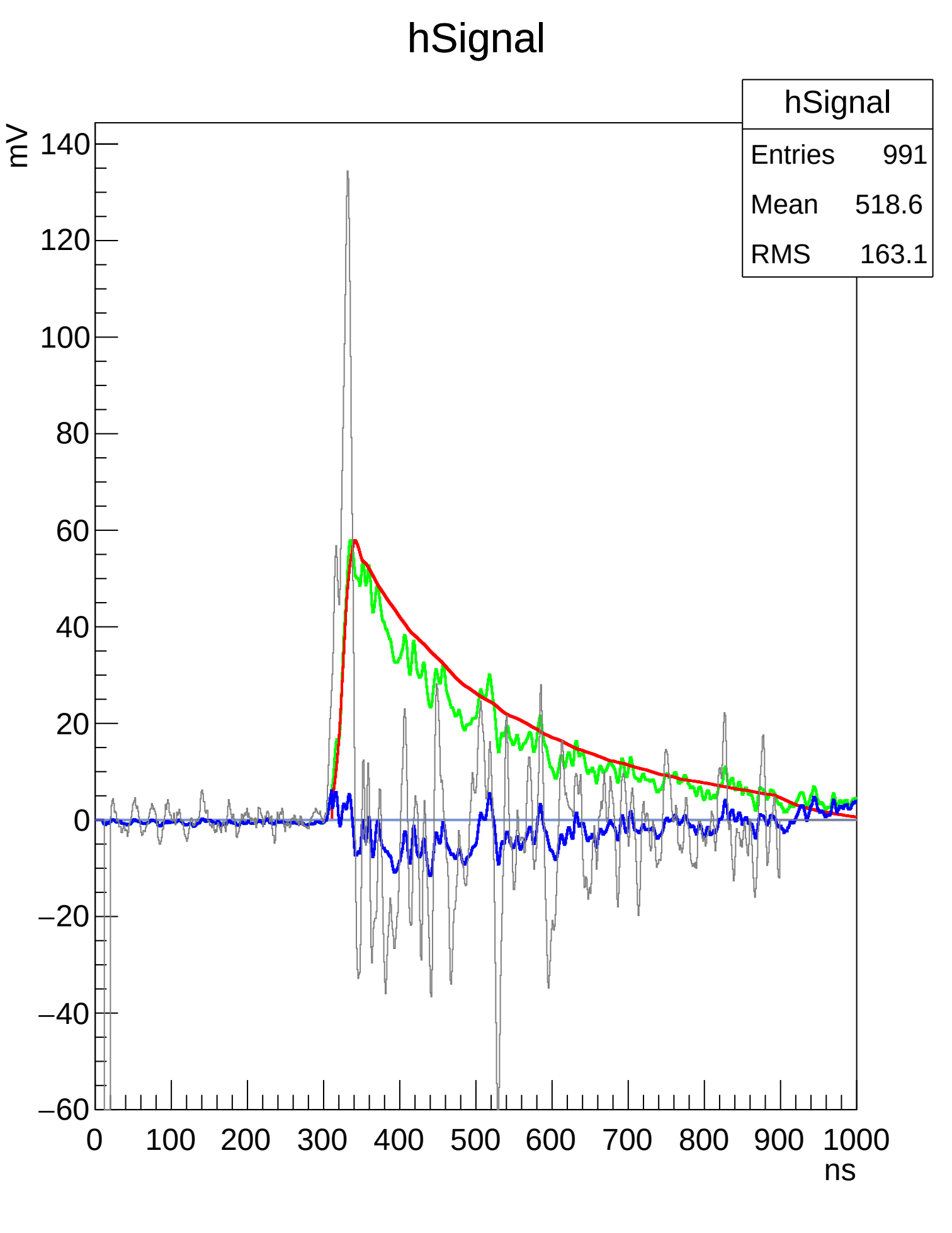
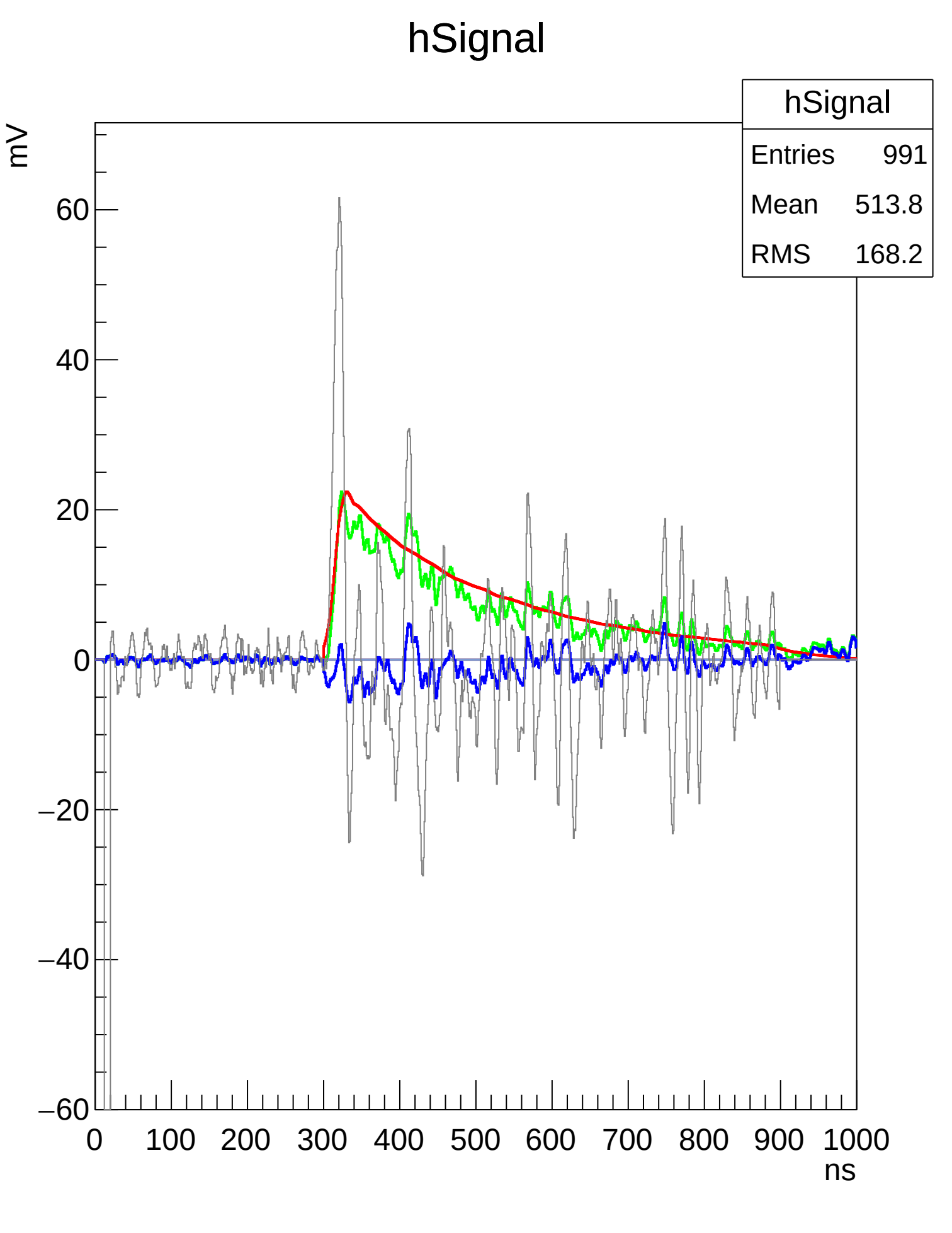
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.6
RMS 163.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.8
RMS 168.2
mV
60
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20
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−20
−40
−60
0
100
200
300
400
500
600
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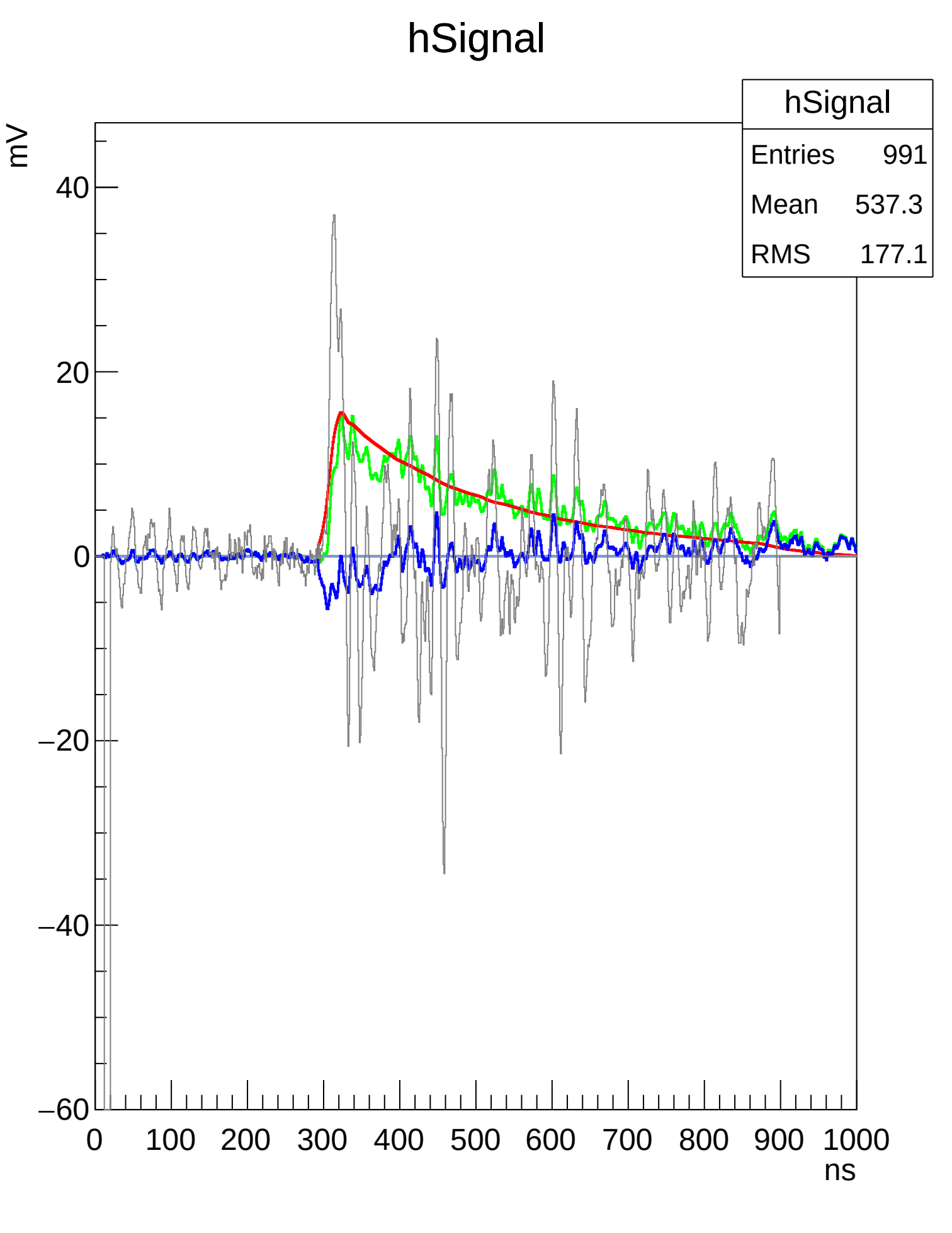
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 177.1
mV
40
20
0
−20
−40
−60
0
100
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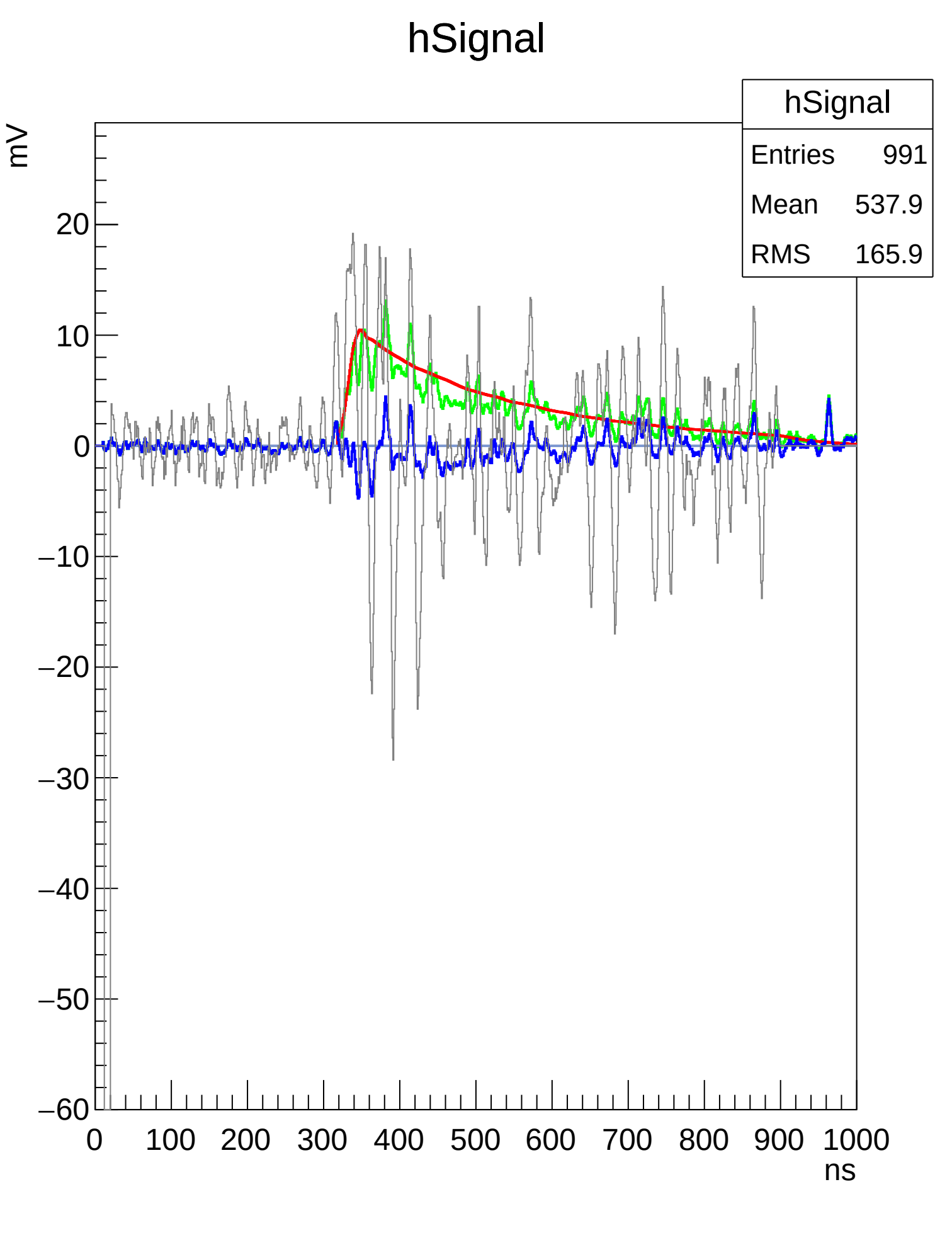
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.9
RMS 165.9
mV
20
10
0
−10
−20
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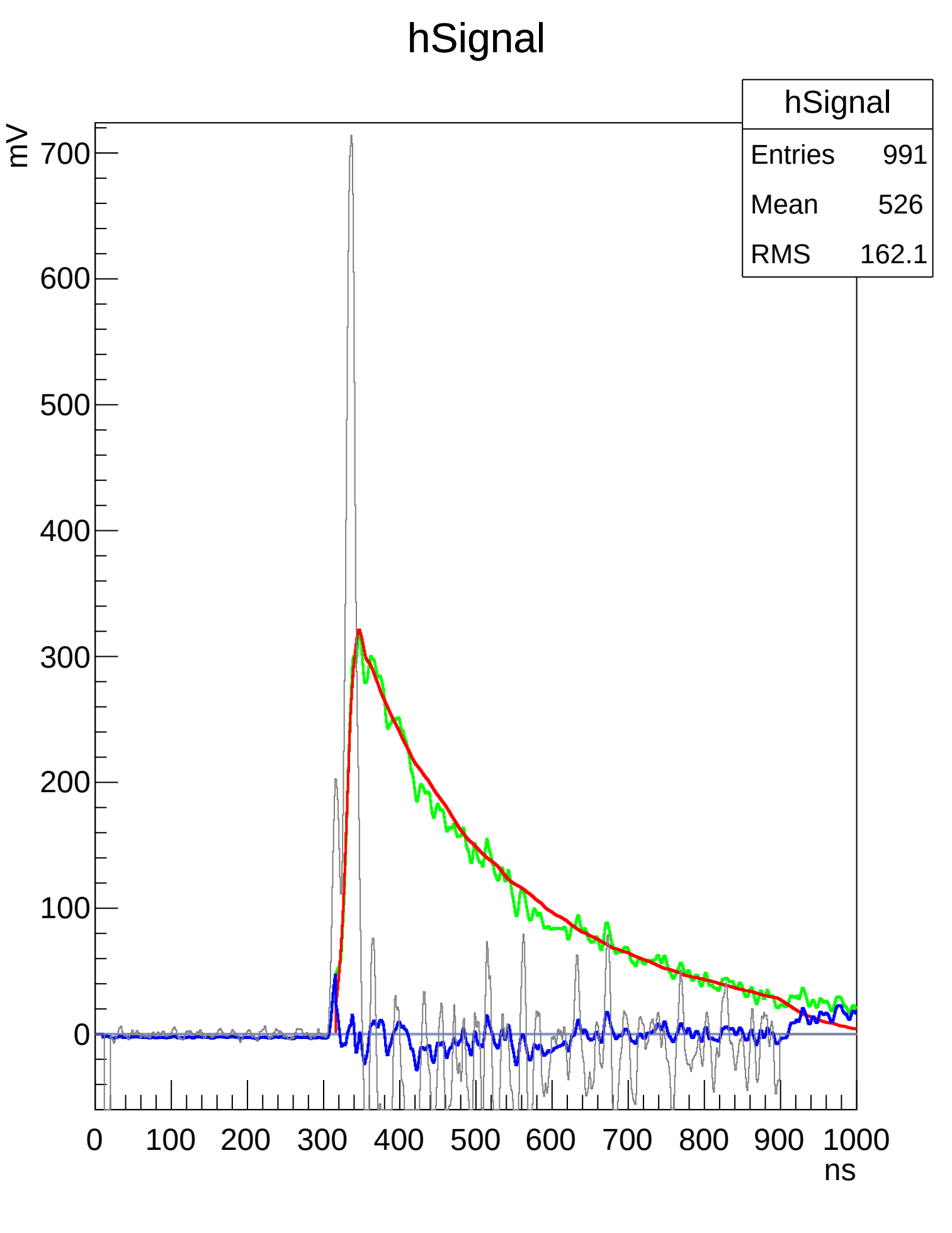
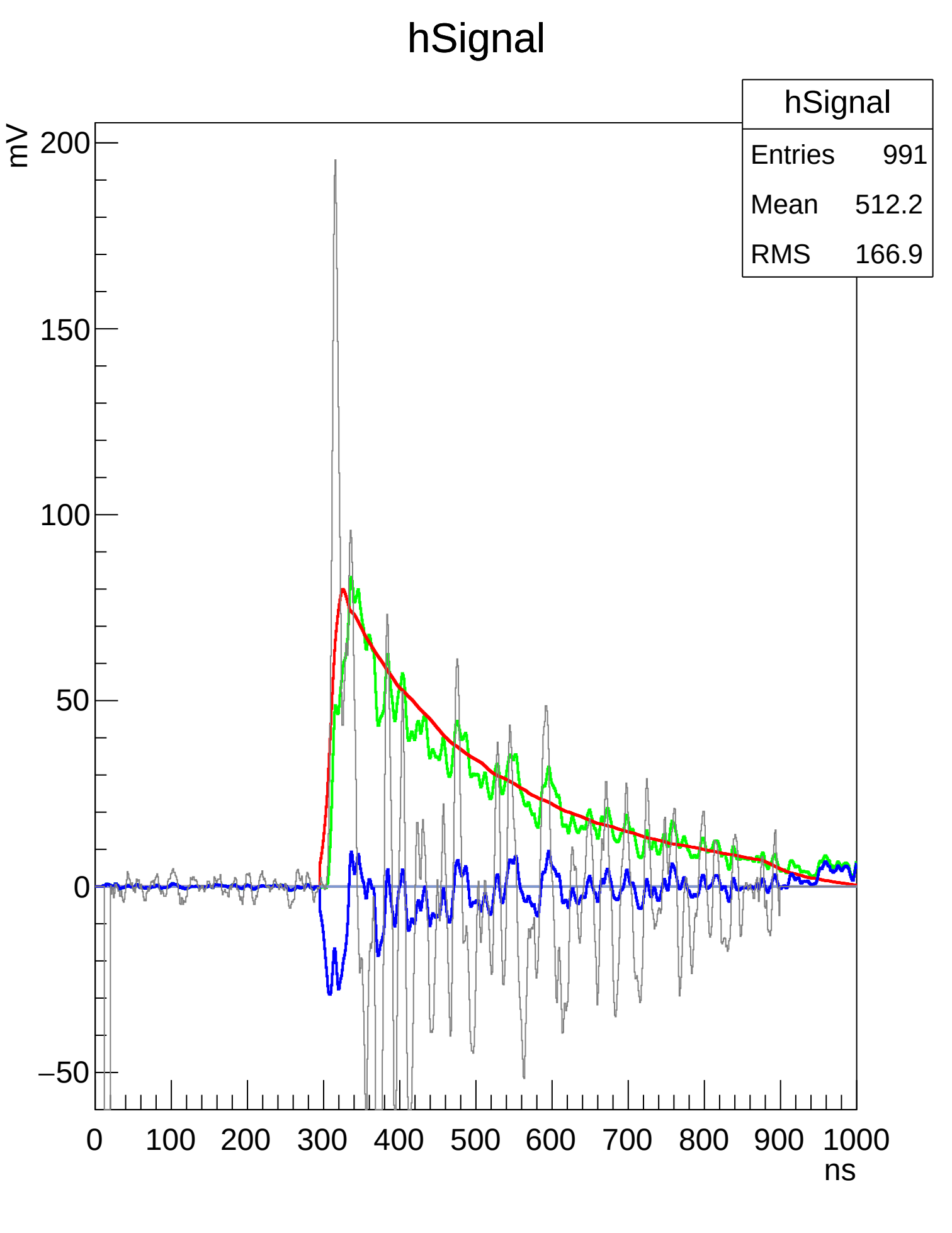
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526
RMS 162.1
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.2
RMS 166.9
mV
200
150
100
50
0
−50
0
100
200
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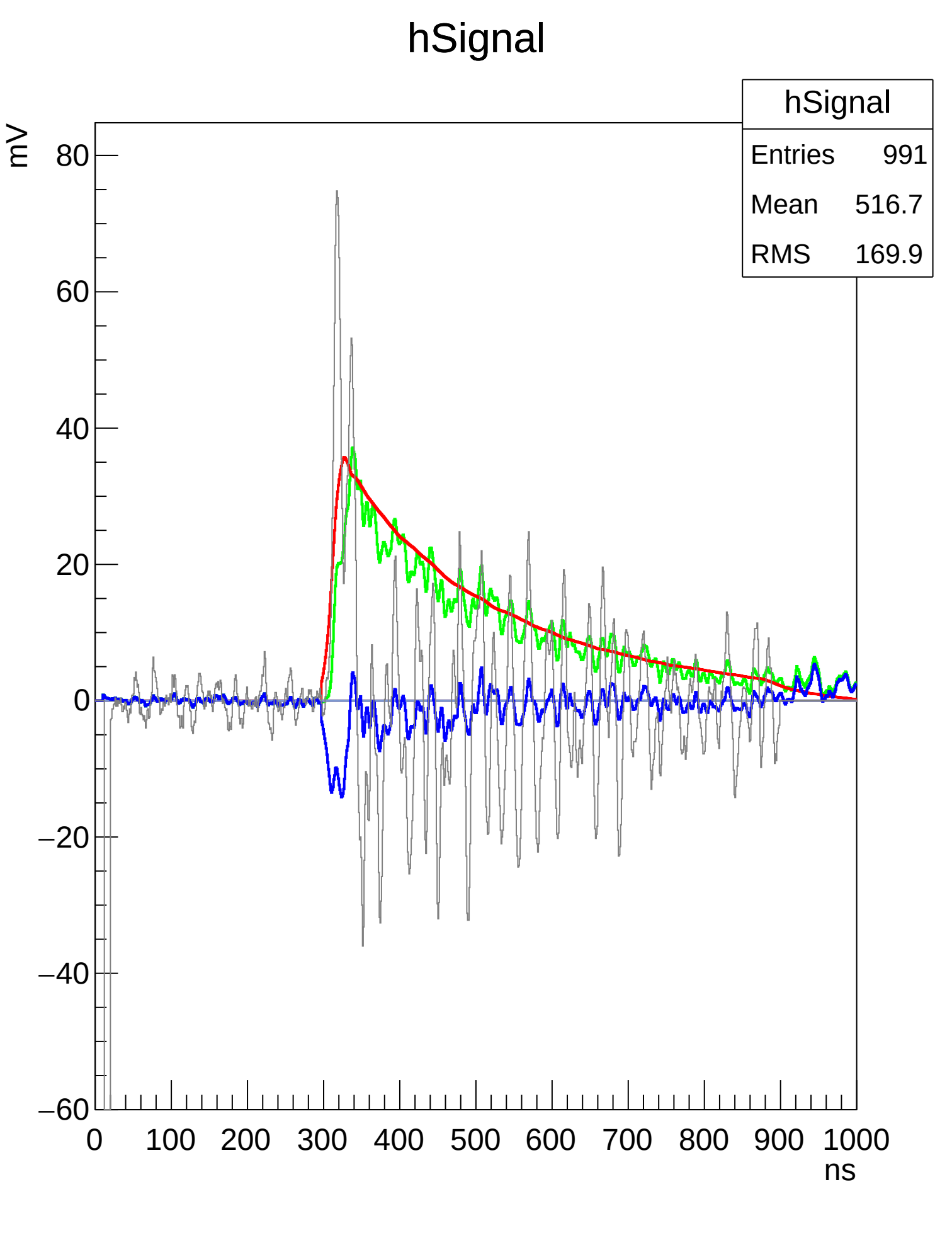
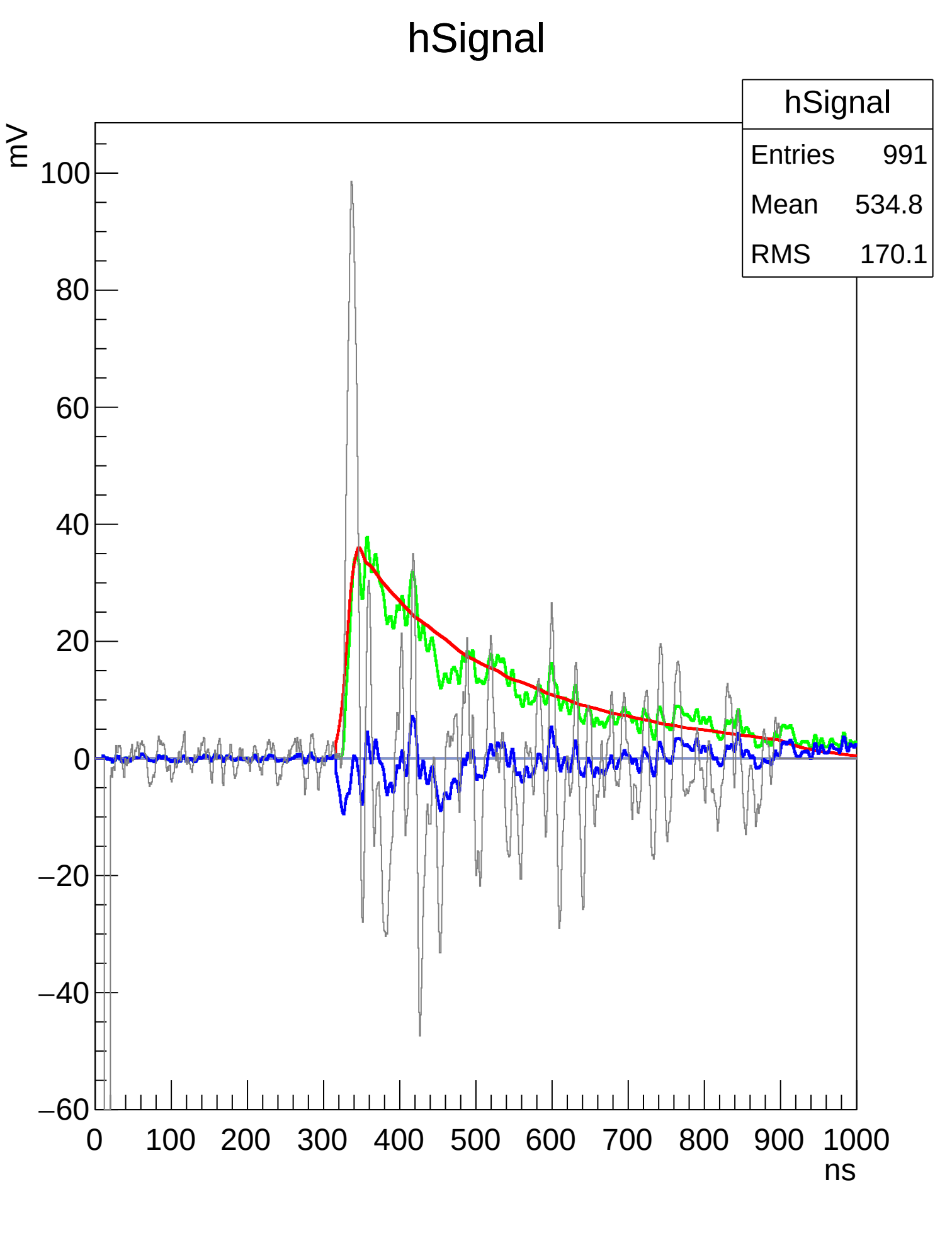
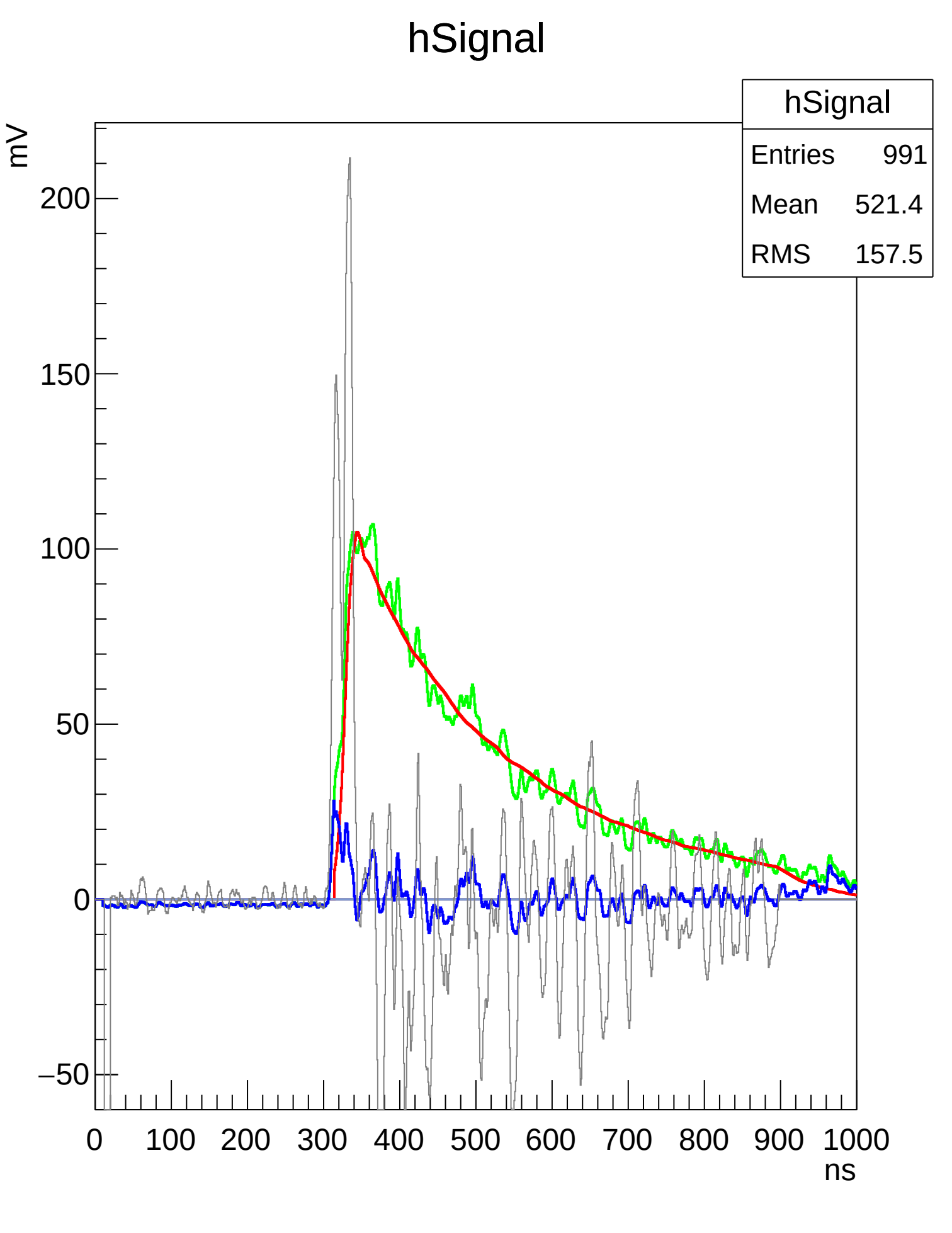
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.7
RMS 169.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.8
RMS 170.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.4
RMS 157.5
mV
200
150
100
50
0
−50
0
100
200
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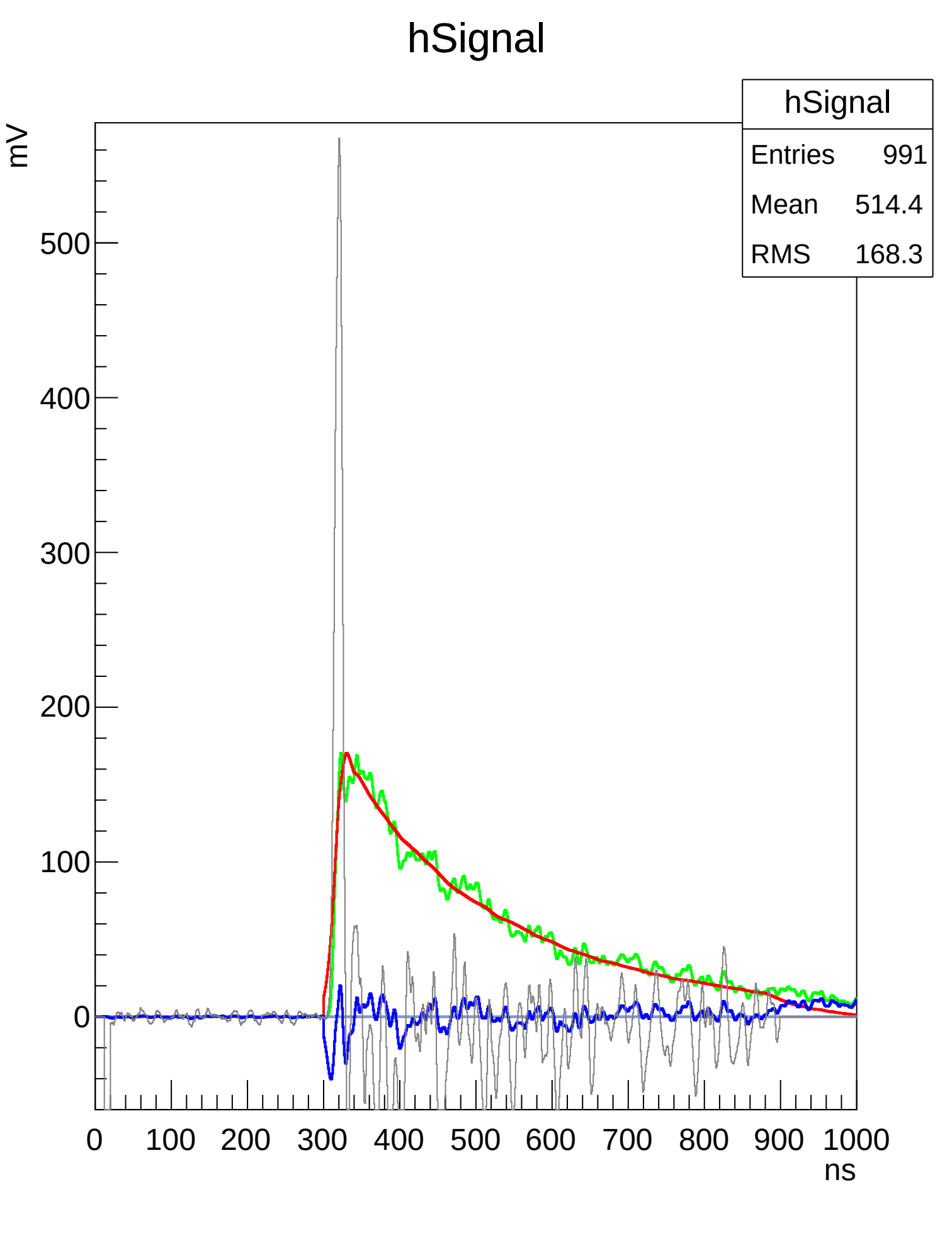
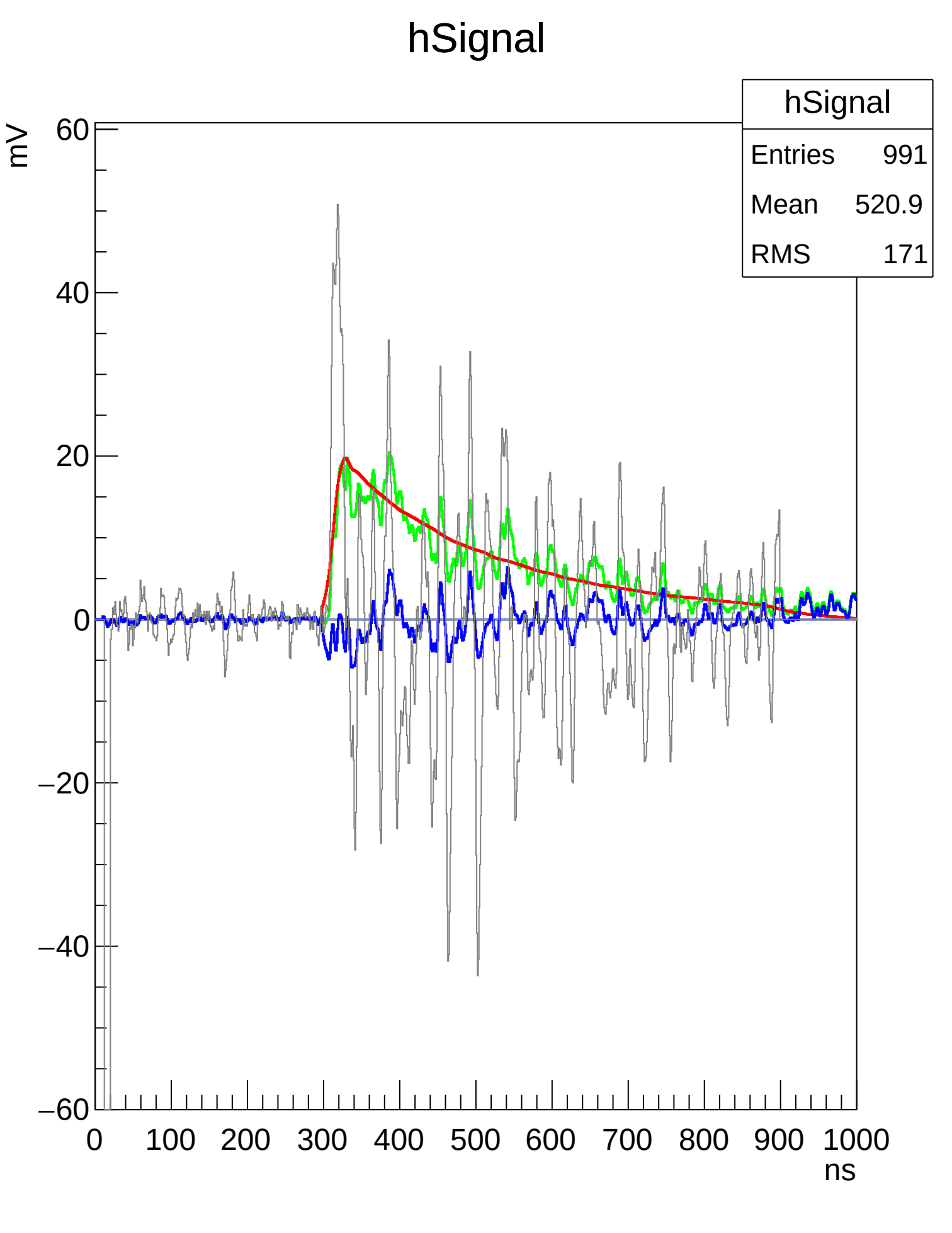
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.4
RMS 168.3
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 520.9
RMS 171
mV
60
40
20
0
−20
−40
−60
0
100
200
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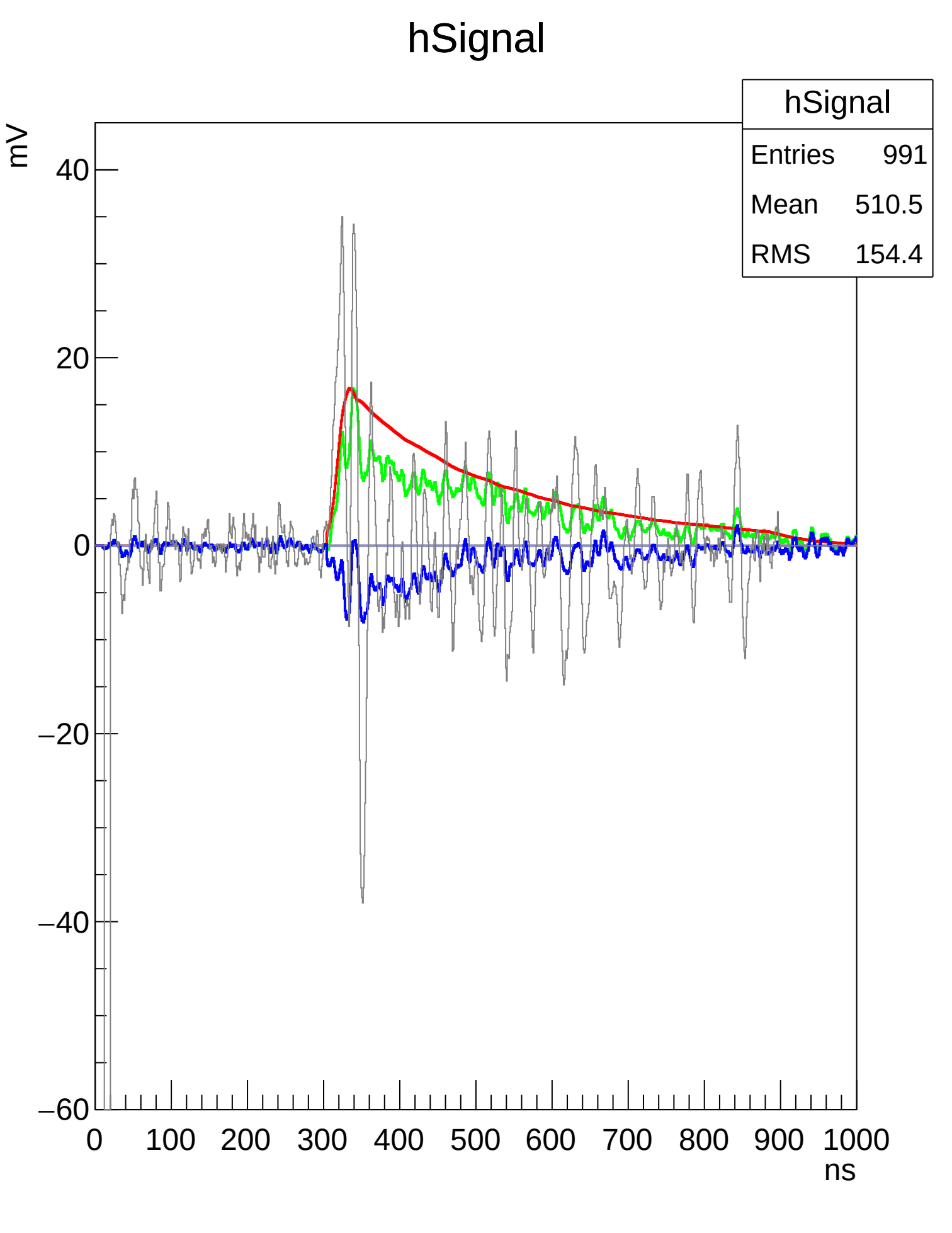
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.5
RMS 154.4
mV
40
20
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−20
−40
−60
0
100
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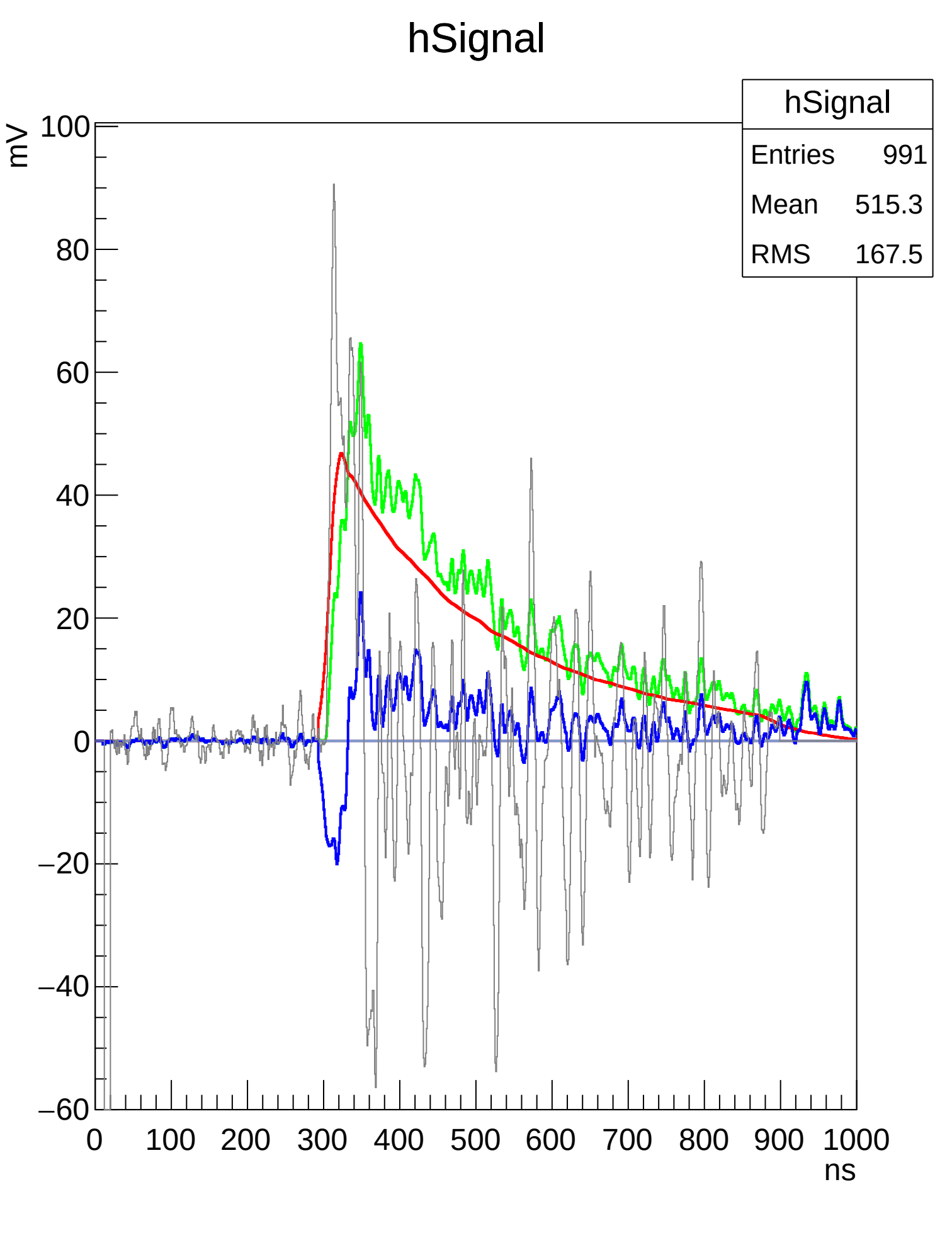
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.3
RMS 167.5
mV
100
80
60
40
20
0
−20
−40
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0
100
200
300
400
500
600
700
800
900
1000
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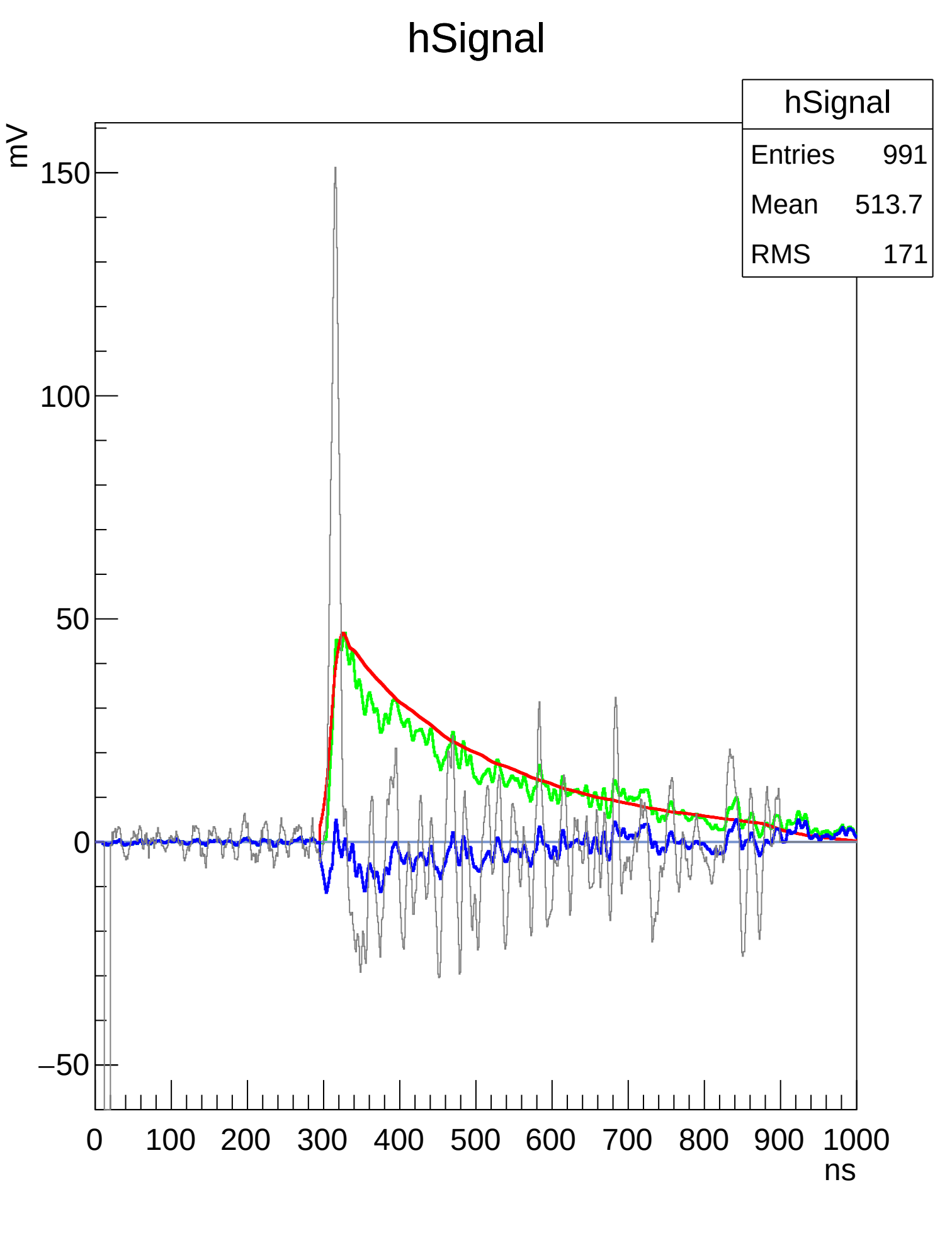
hSignal
hSignal
Entries 991
Mean 513.7
RMS 171
mV
150
100
50
0
−50
0
100
200
300
400
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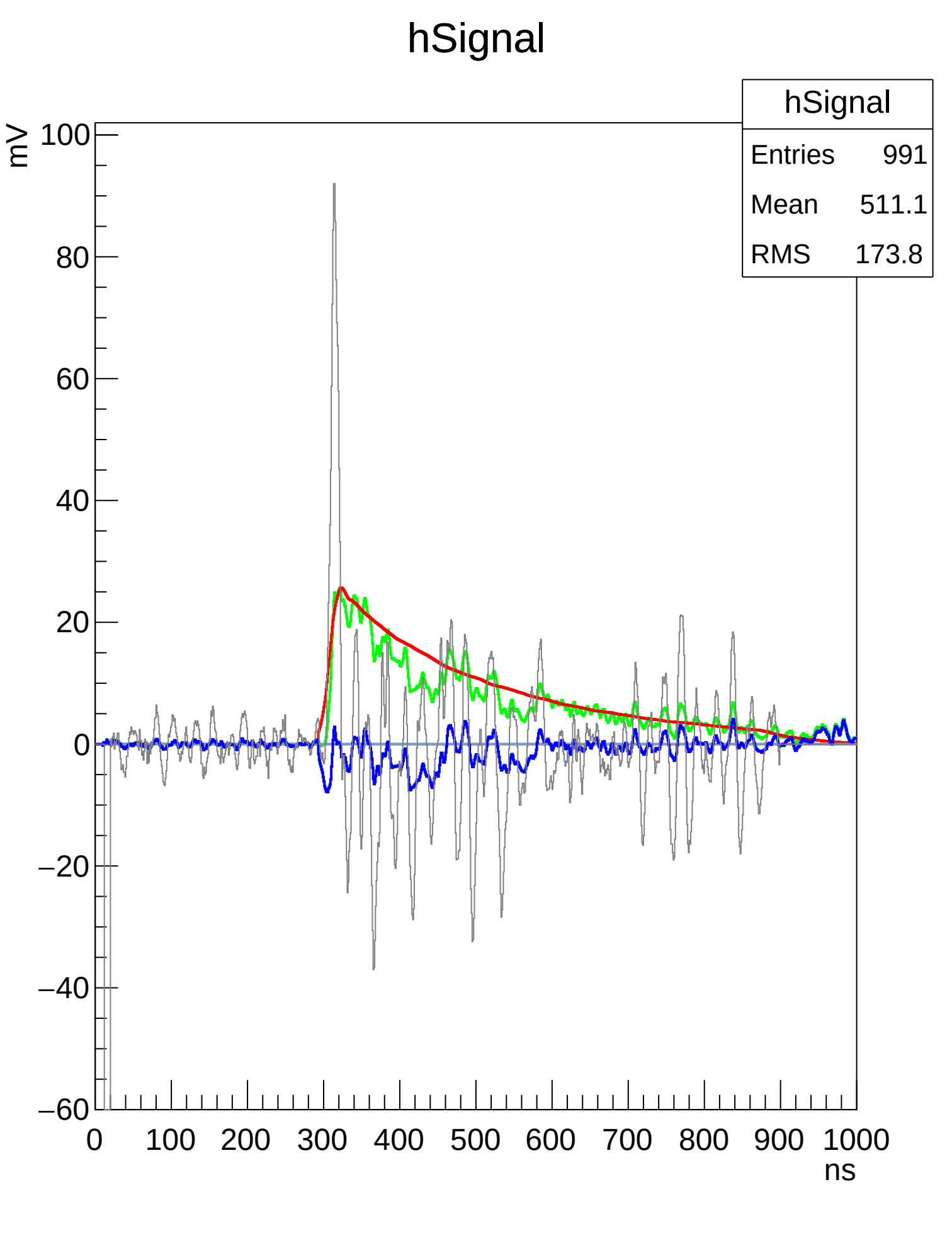
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.1
RMS 173.8
mV
100
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60
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0
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200
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400
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800
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1000
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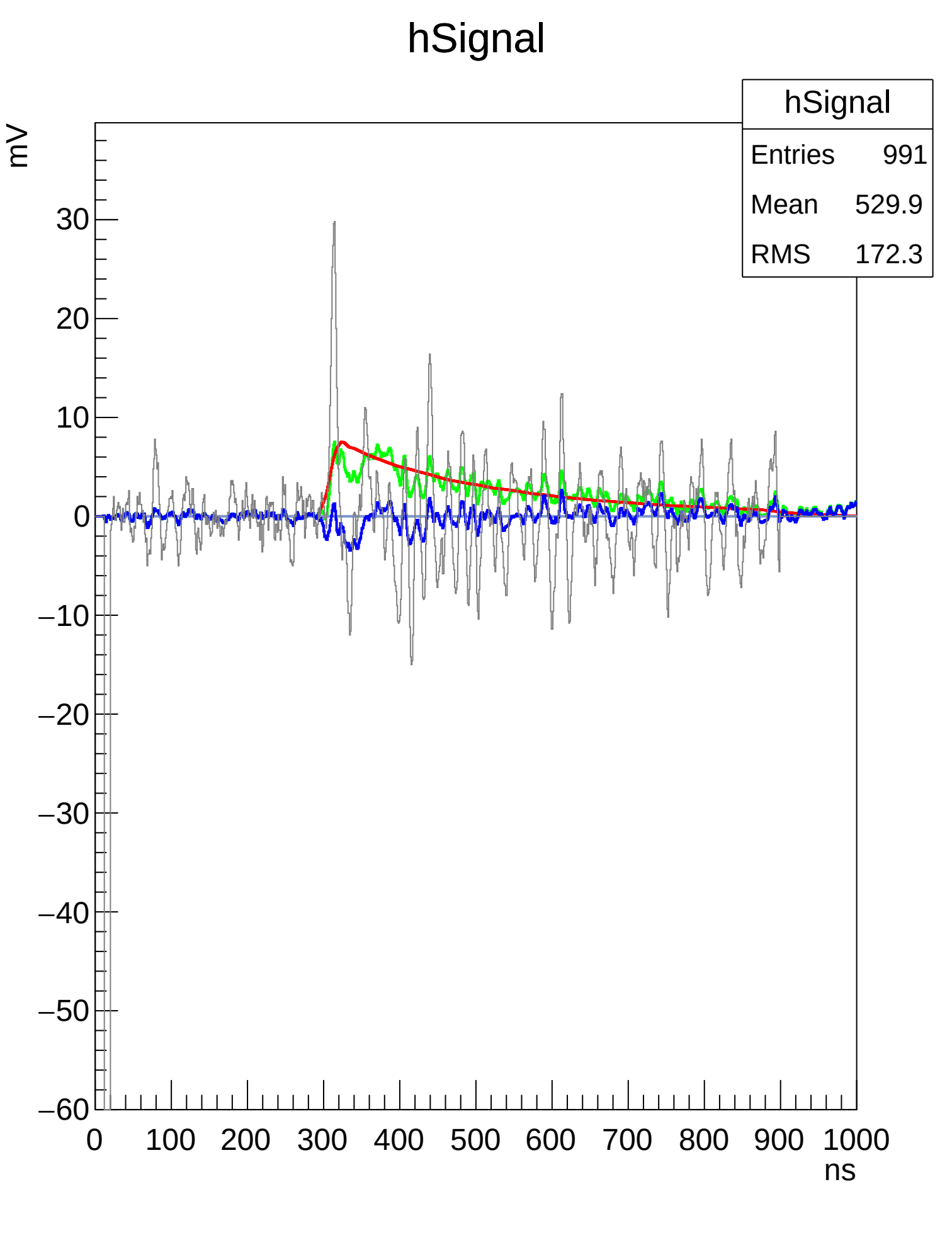
hSignal
hSignal
Entries 991
Mean 529.9
RMS 172.3
mV
30
20
10
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−50
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0
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200
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400
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700
800
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1000
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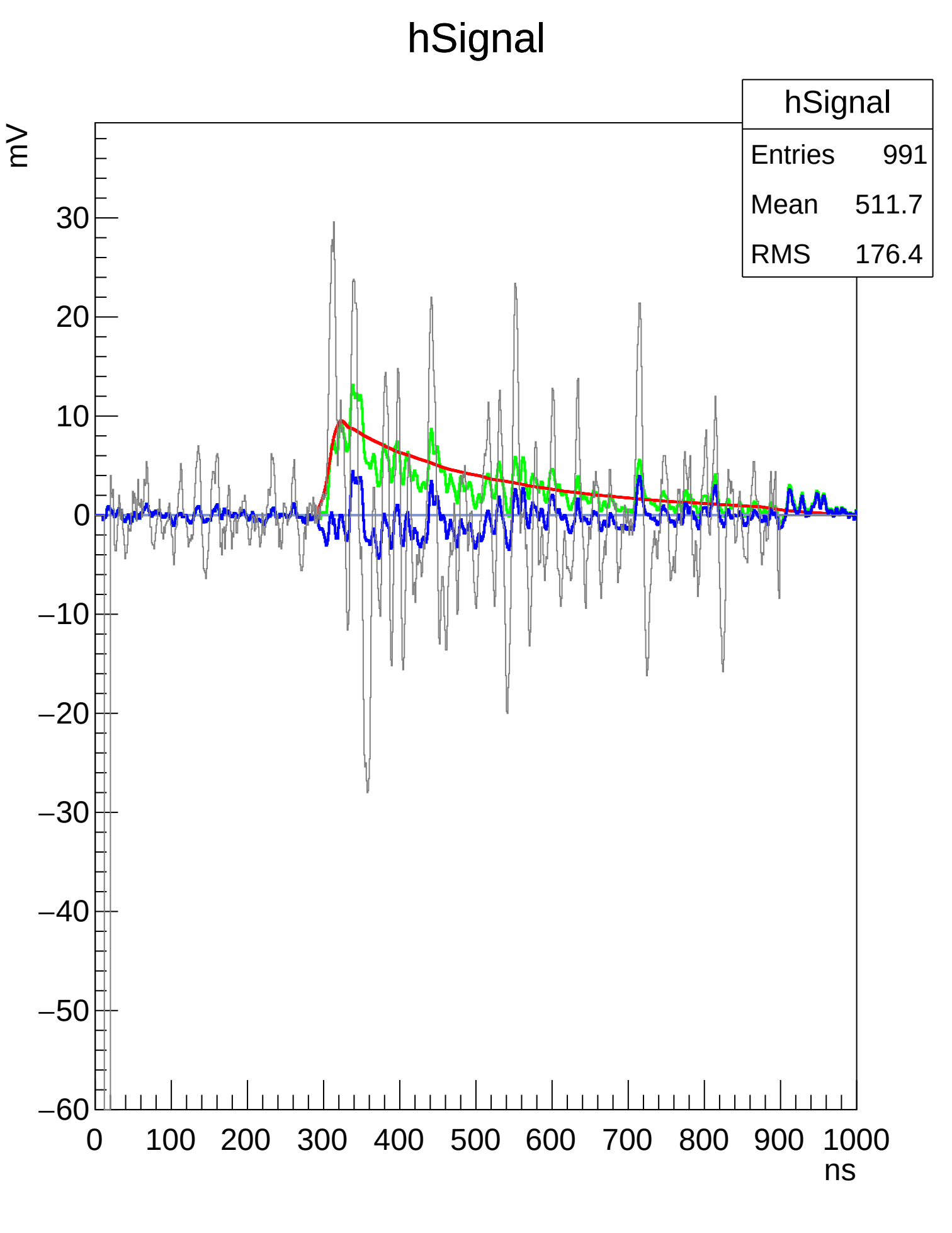
hSignal
hSignal
Entries 991
Mean 511.7
RMS 176.4
mV
30
20
10
0
−10
−20
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−50
−60
0
100
200
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400
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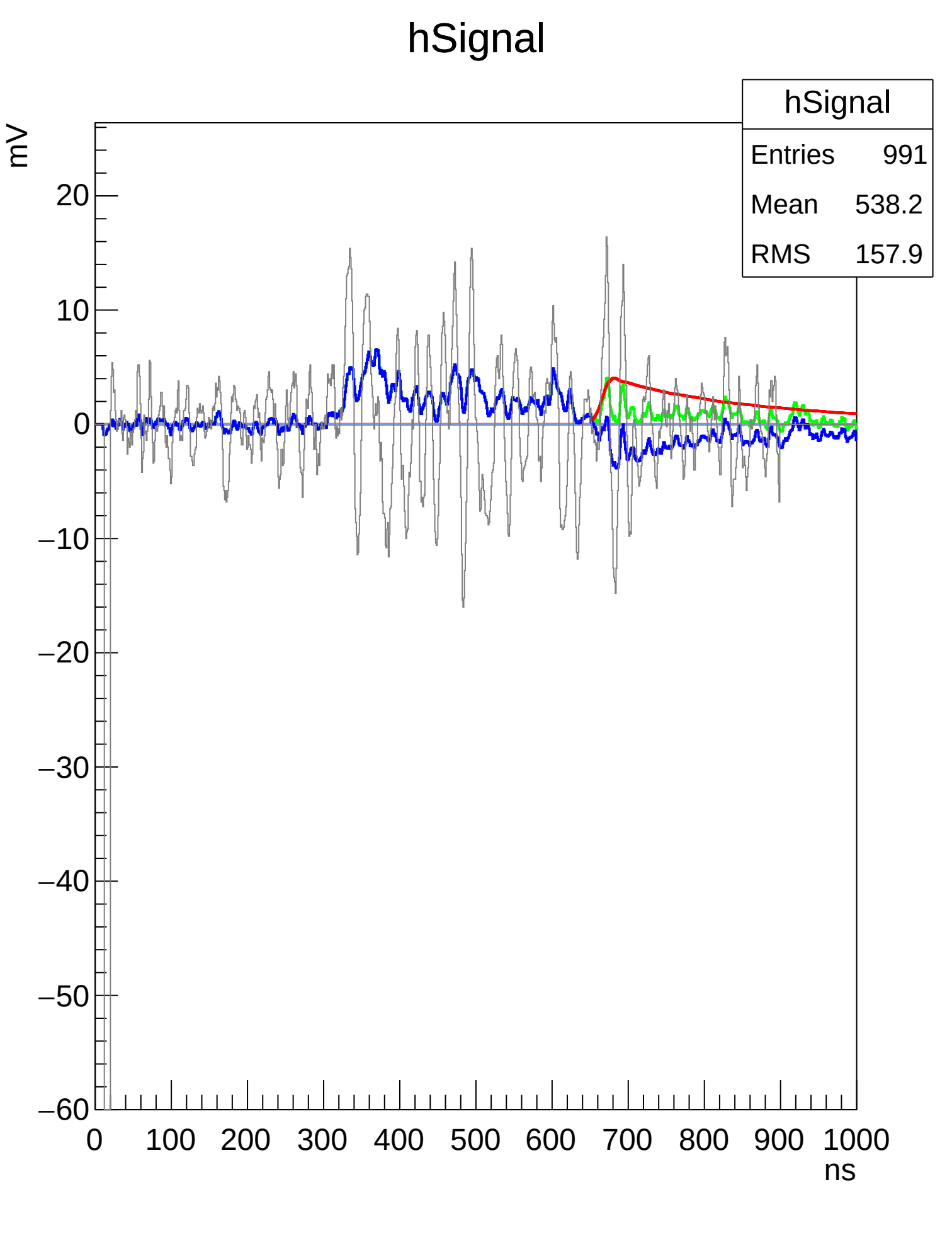
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.2
RMS 157.9
mV
20
10
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−40
−50
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400
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1000
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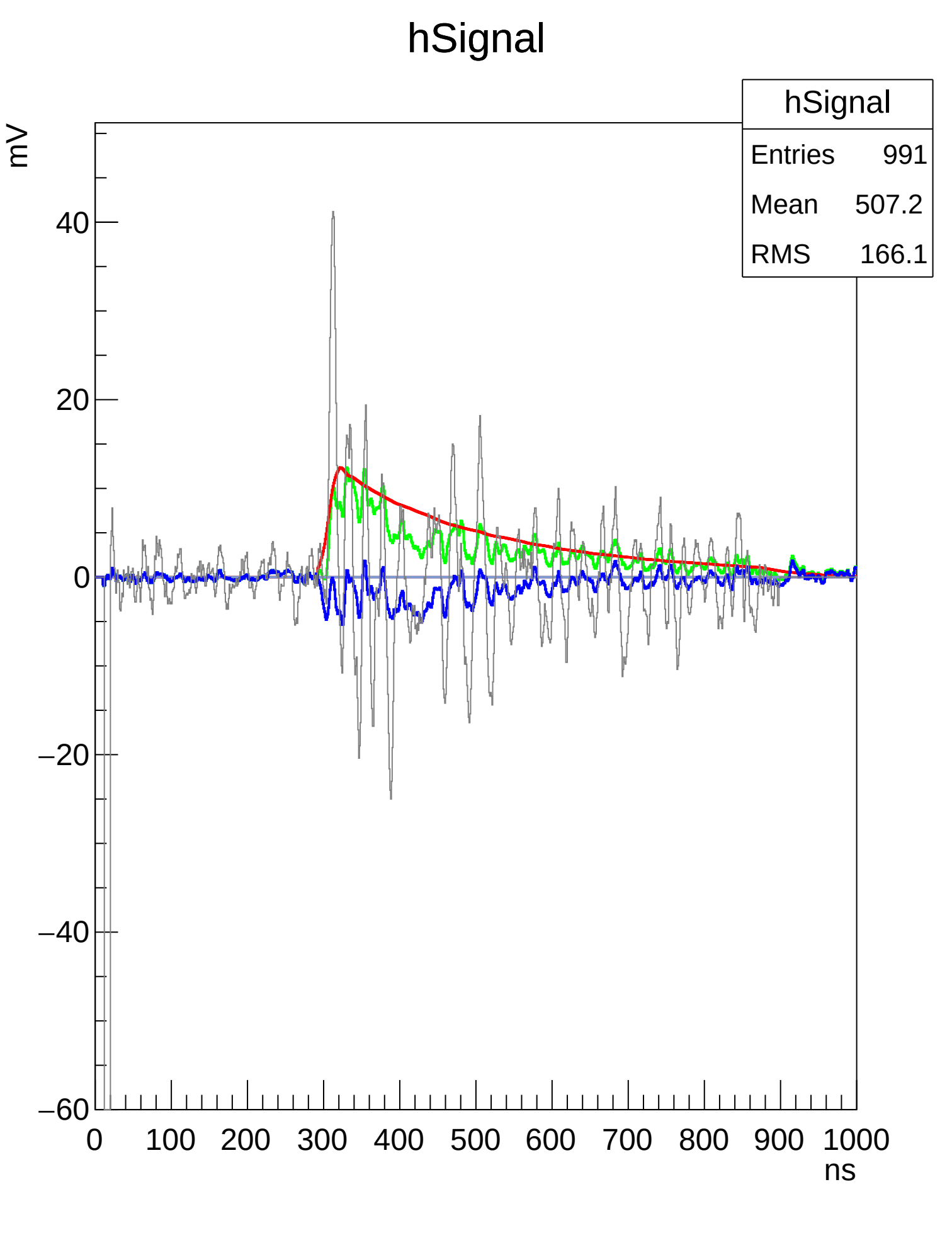
hSignal
hSignal
Entries 991
Mean 507.2
RMS 166.1
mV
40
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0
−20
−40
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0
100
200
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400
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600
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800
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1000
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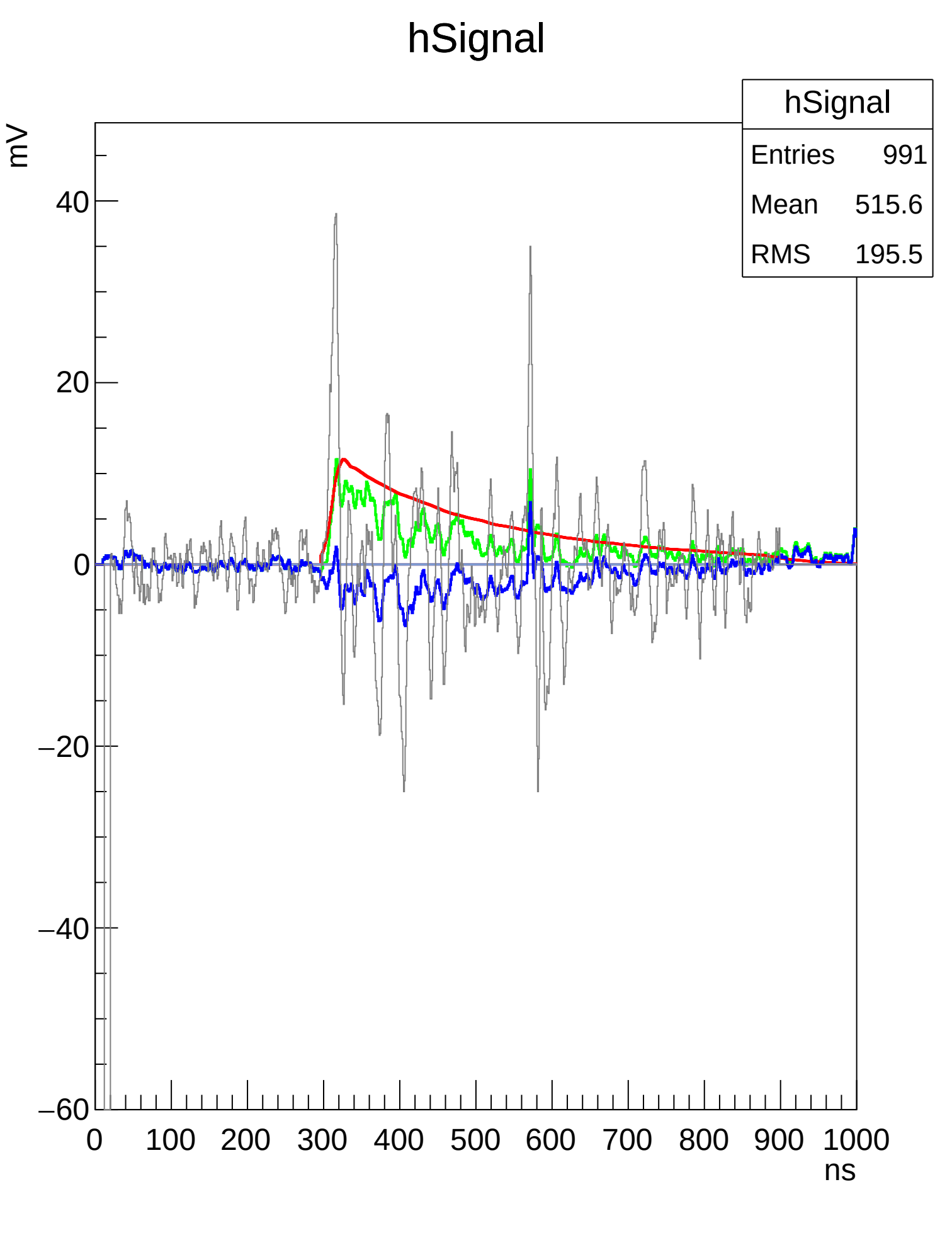
hSignal
hSignal
Entries 991
Mean 515.6
RMS 195.5
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0
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600
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1000
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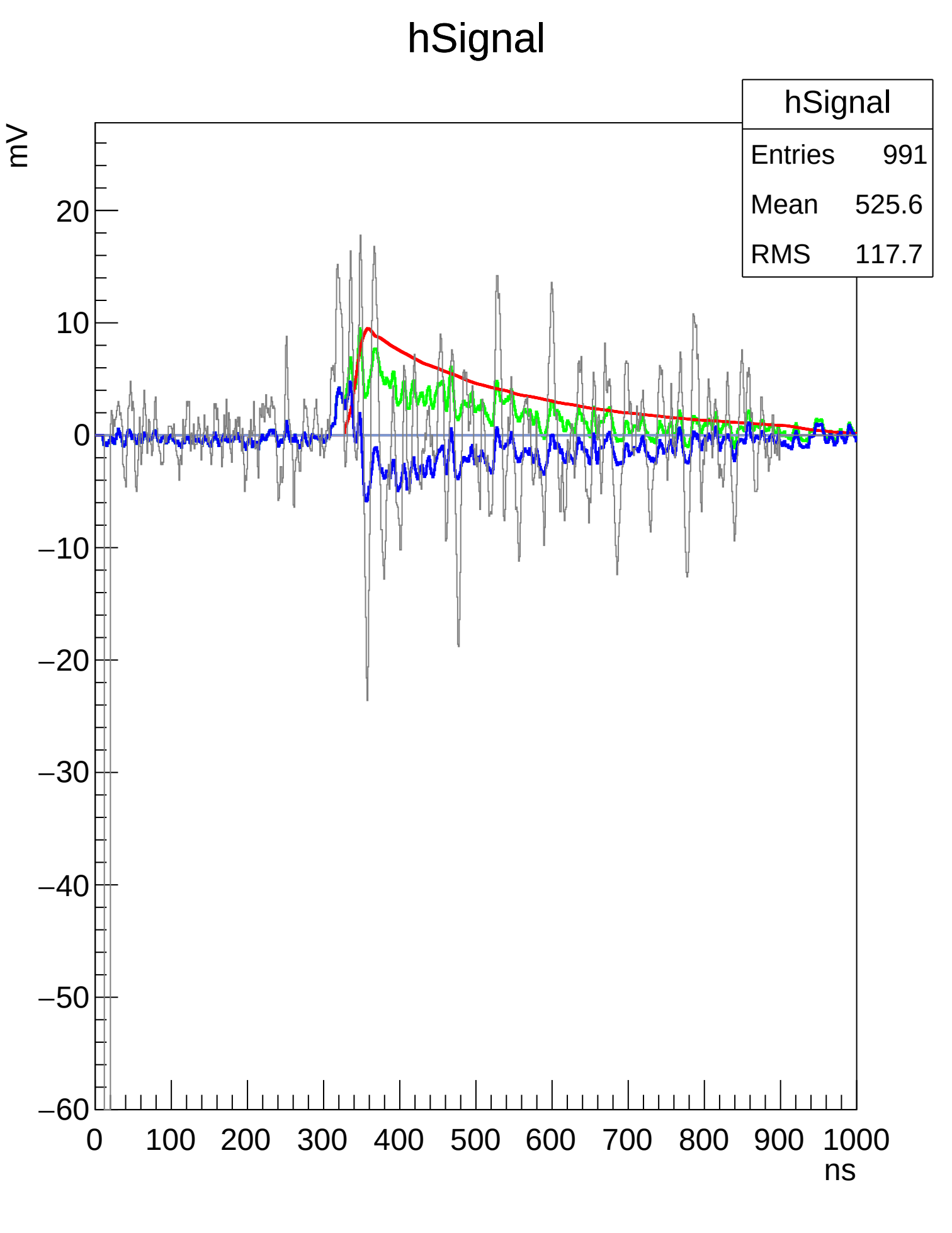
hSignal
hSignal
Entries 991
Mean 525.6
RMS 117.7
mV
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10
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−50
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0
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400
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1000
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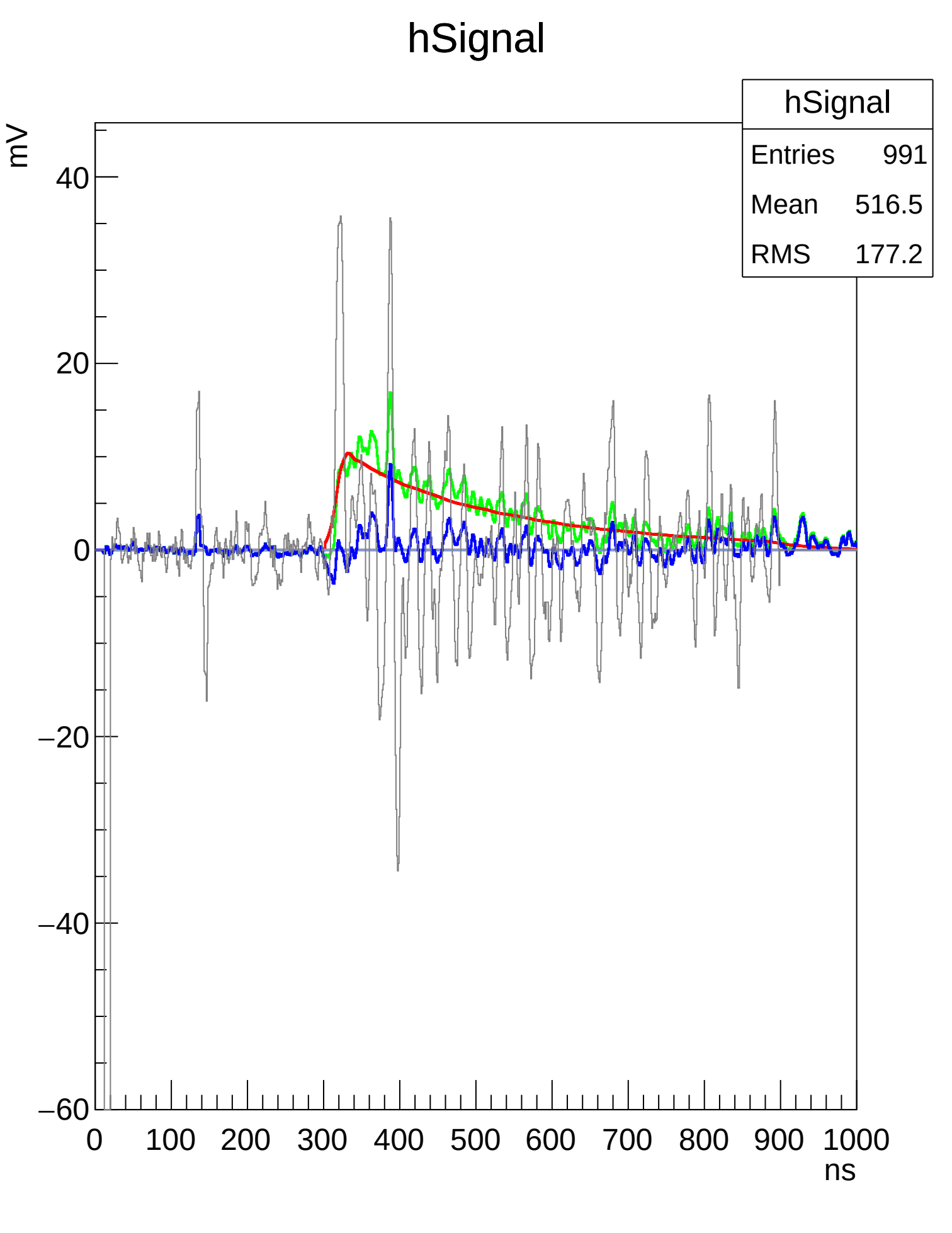
hSignal
hSignal
Entries 991
Mean 516.5
RMS 177.2
mV
40
20
0
−20
−40
−60
0
100
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400
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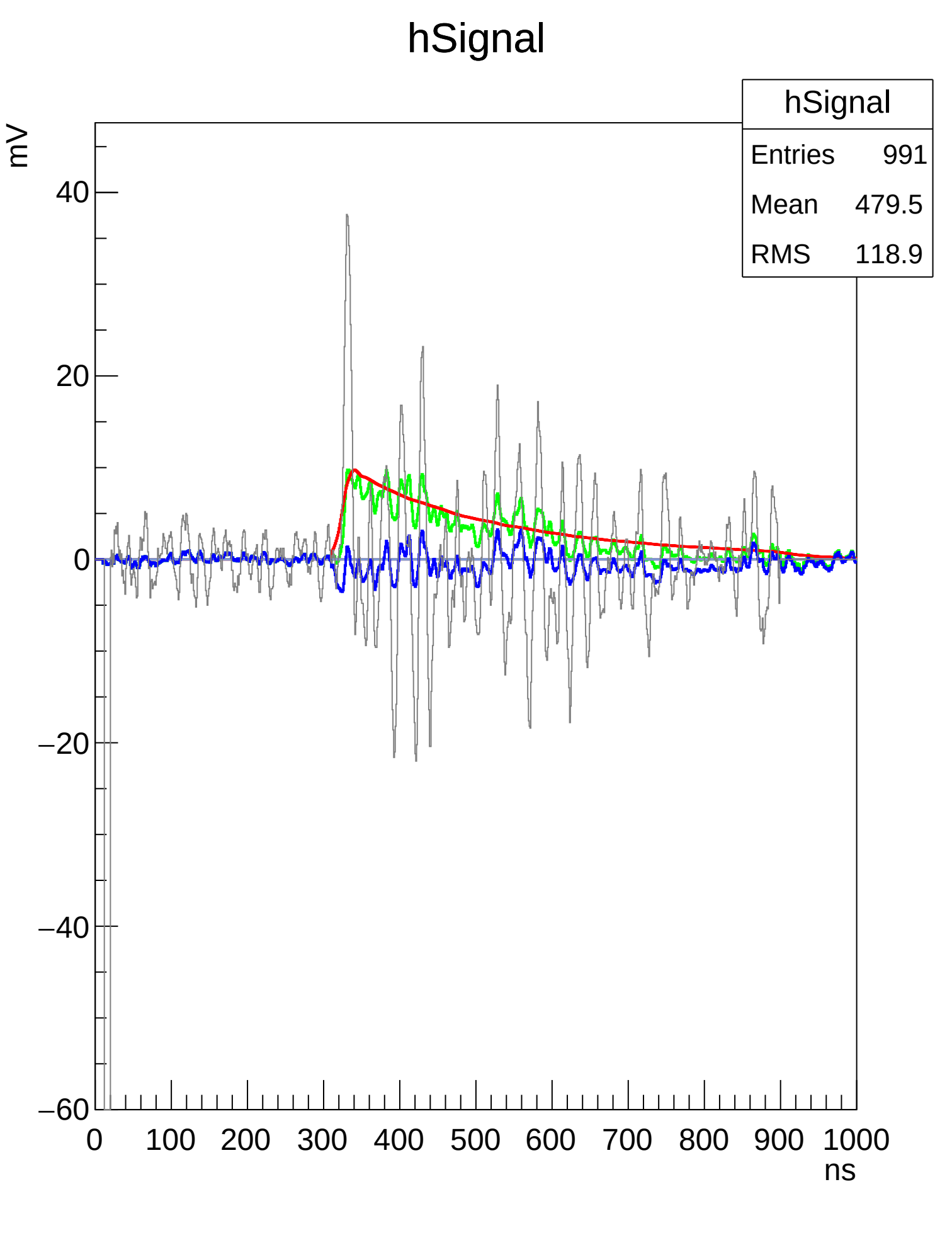
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.5
RMS 118.9
mV
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−20
−40
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600
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800
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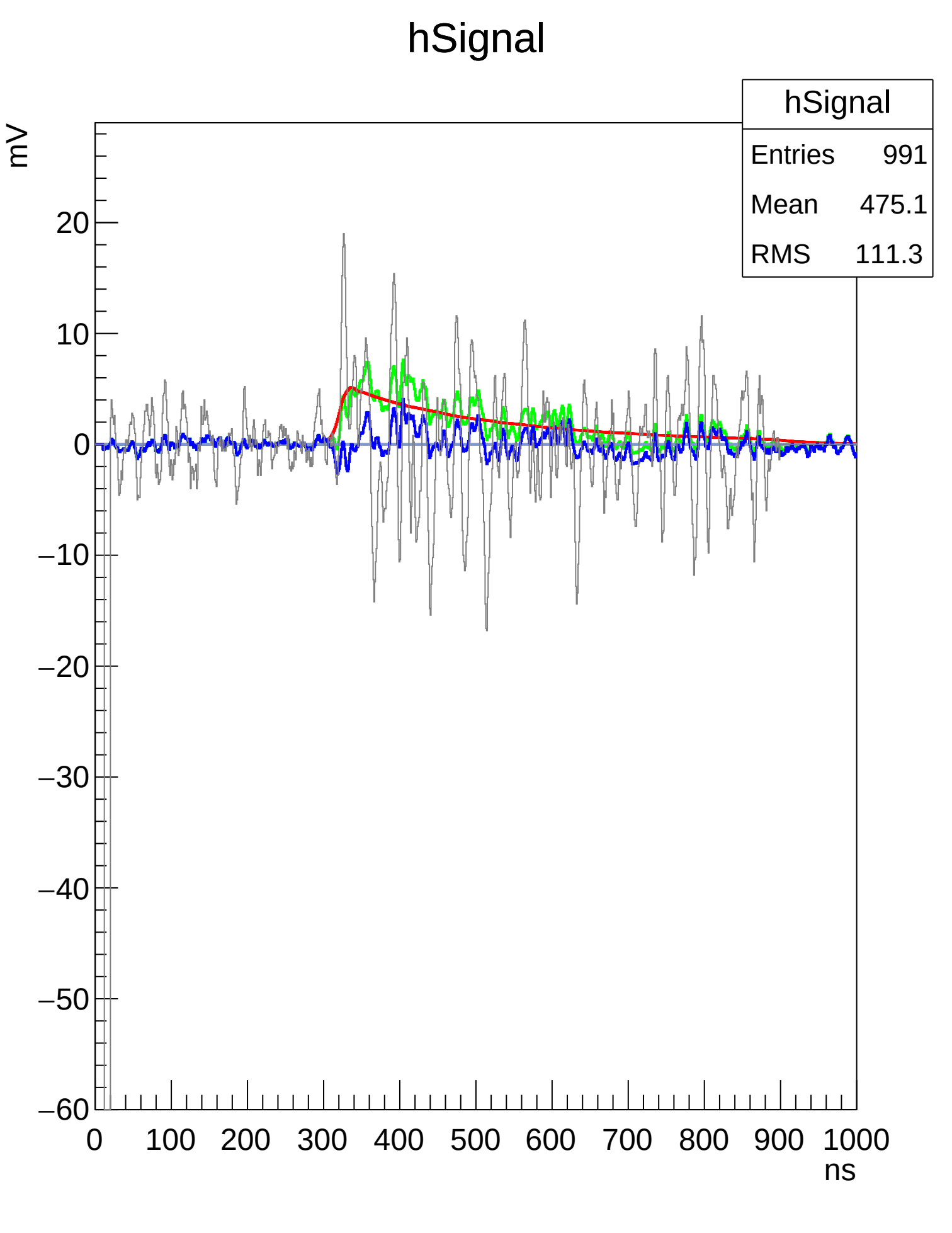
1000
ns


hSignal
hSignal
Entries 991
Mean 475.1
RMS 111.3
mV
20
10
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−40
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0
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200
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400
500
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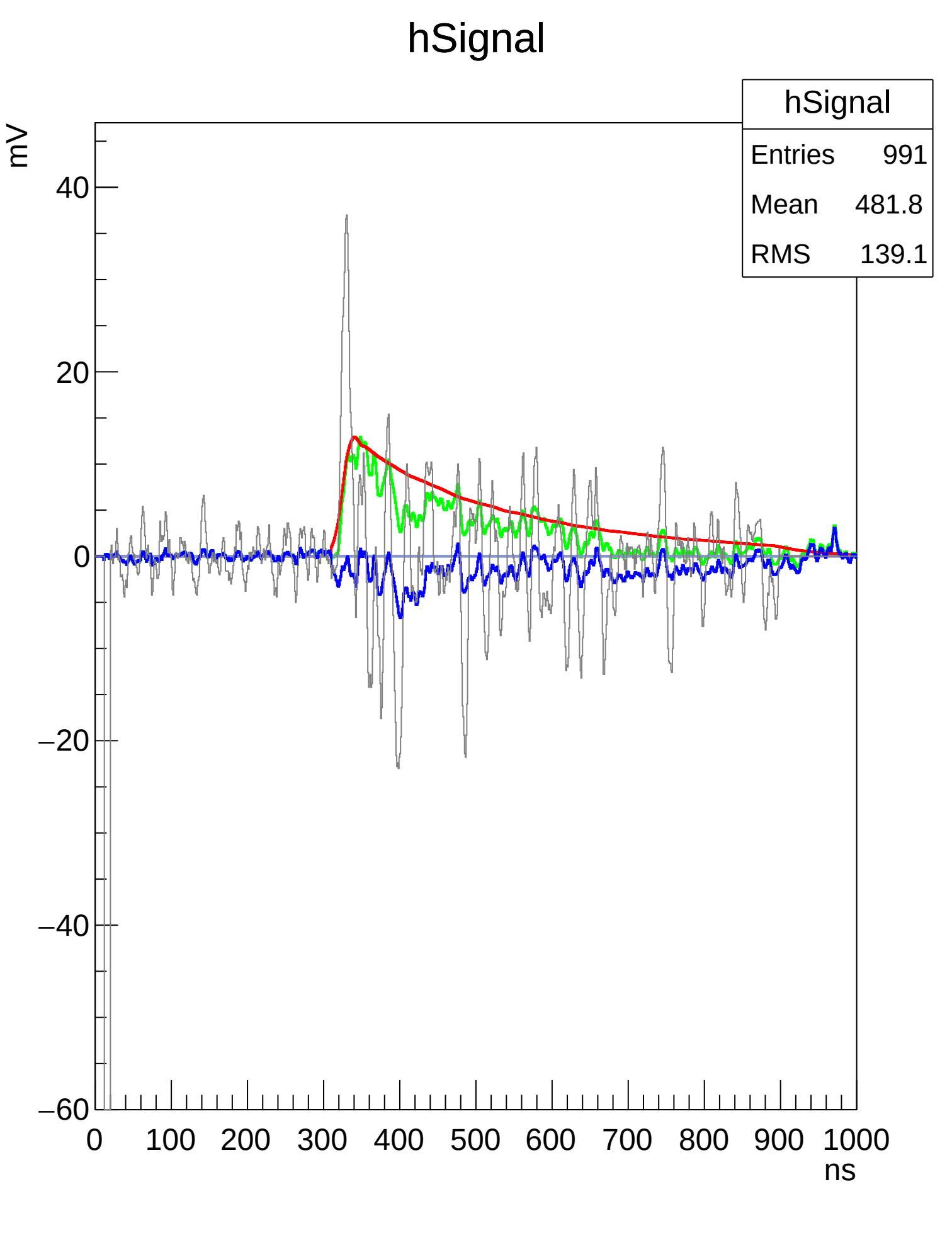
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 481.8
RMS 139.1
mV
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−20
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600
700
800
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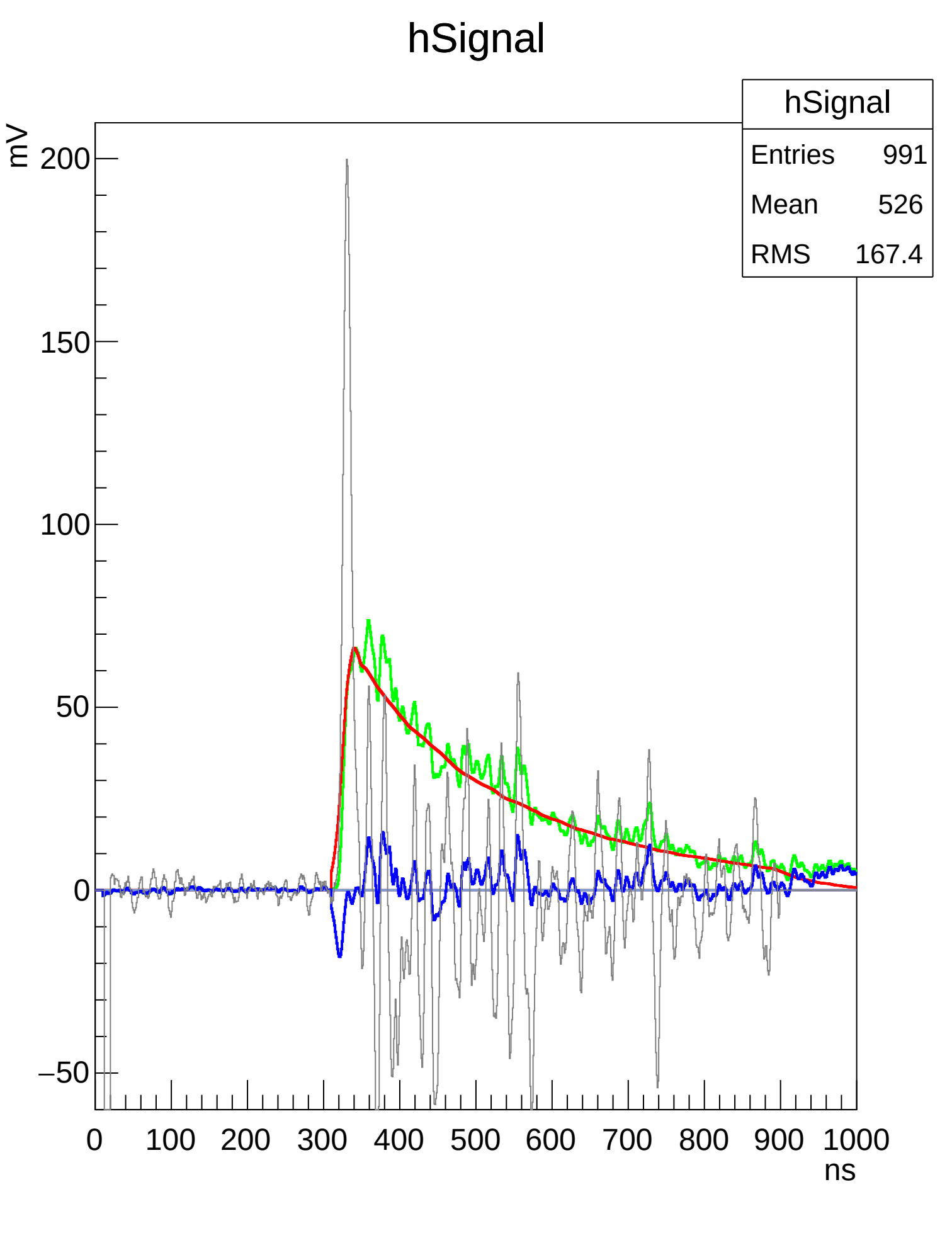
1000
ns


hSignal
hSignal
Entries 991
Mean 526
RMS 167.4
mV
200
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100
50
0
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0
100
200
300
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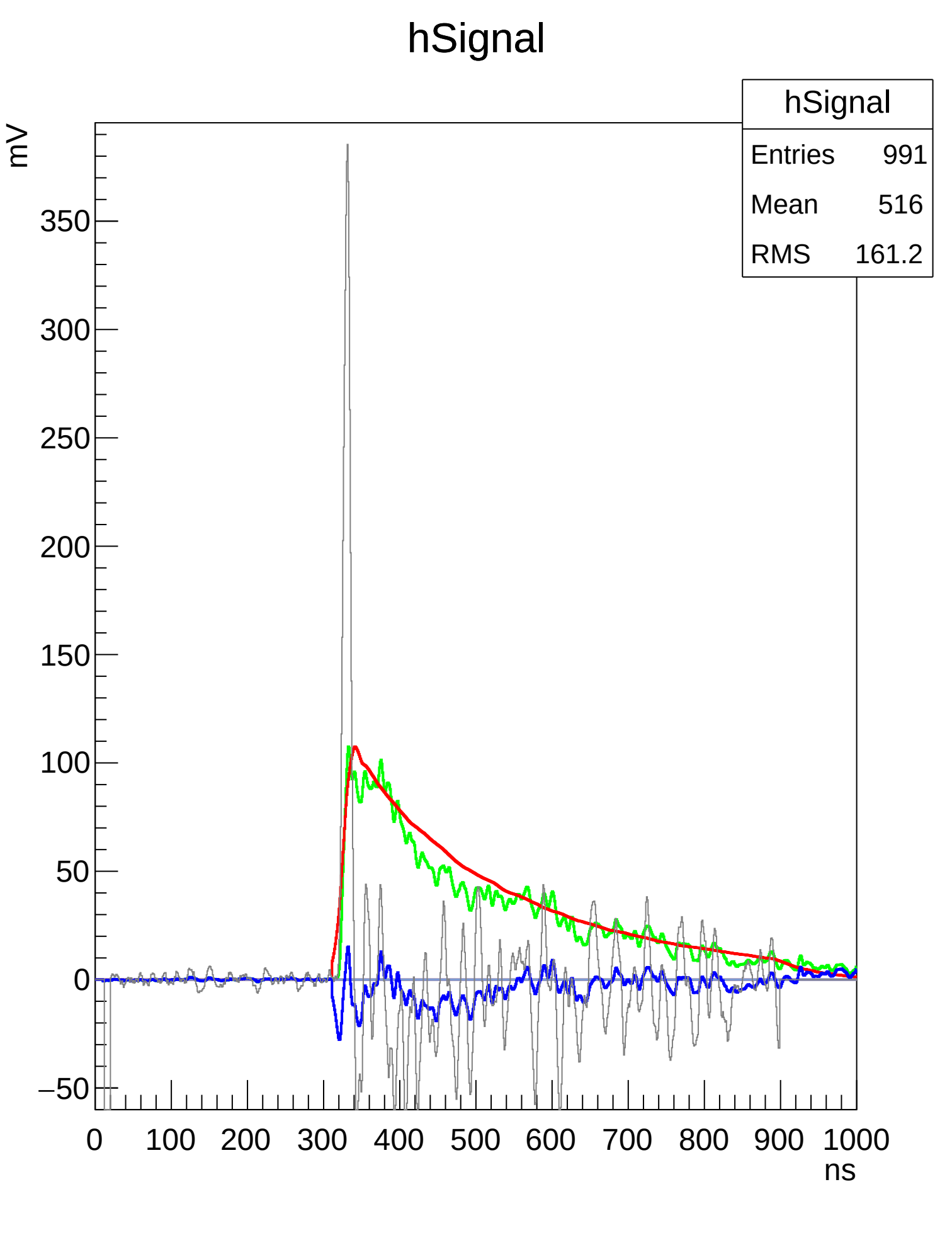
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516
RMS 161.2
mV
350
300
250
200
150
100
50
0
−50
0
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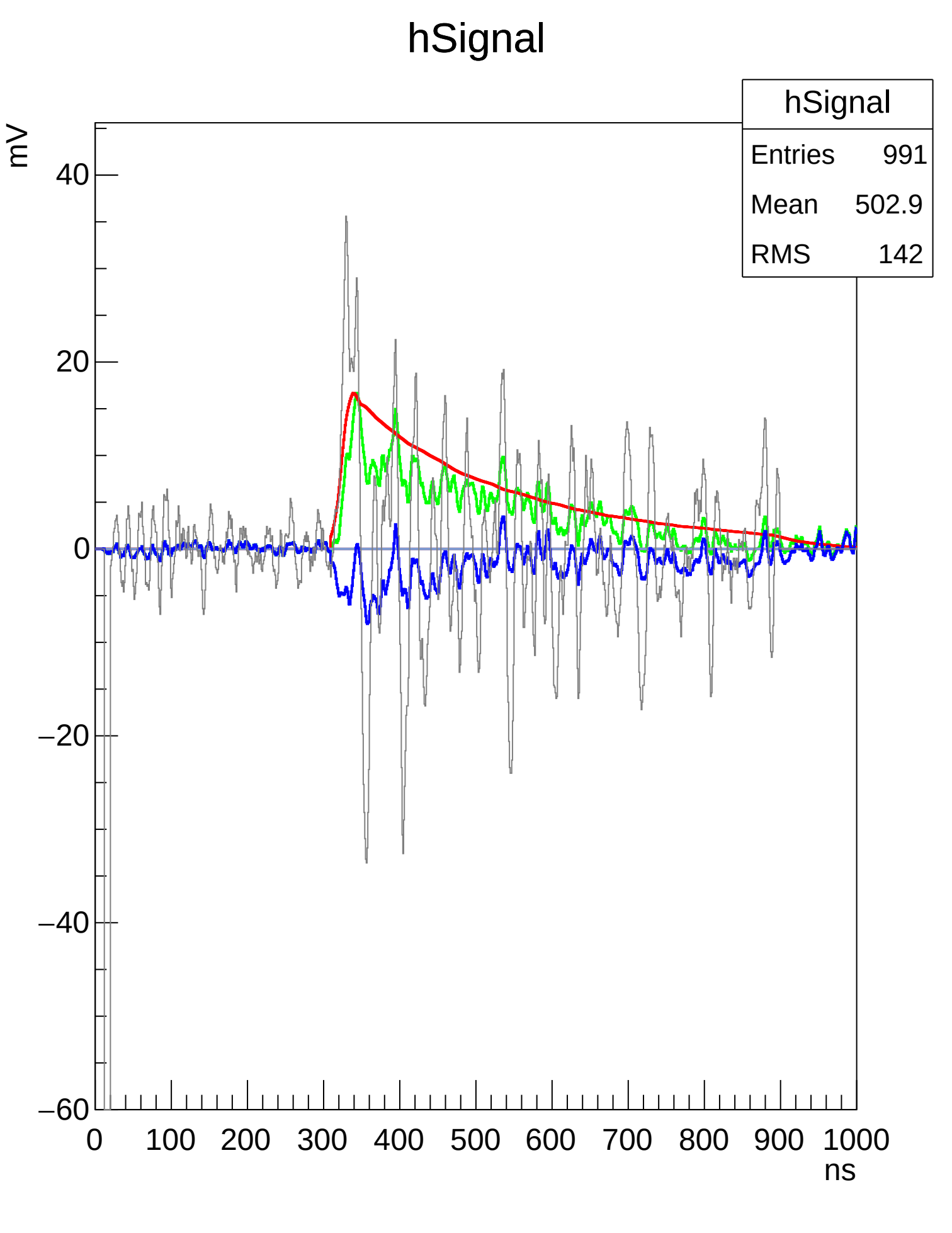
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.9
RMS 142
mV
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−20
−40
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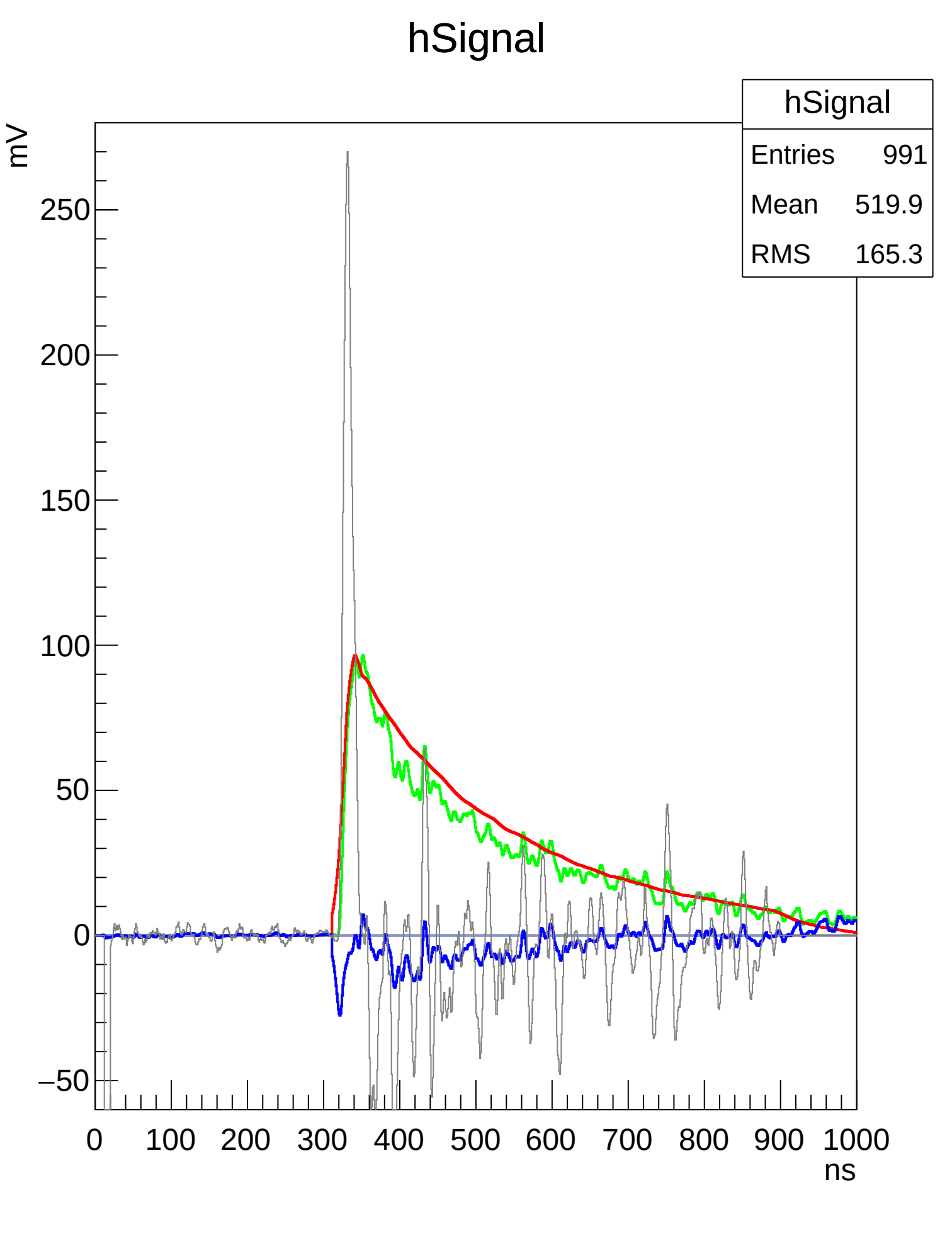
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.9
RMS 165.3
mV
250
200
150
100
50
0
−50
0
100
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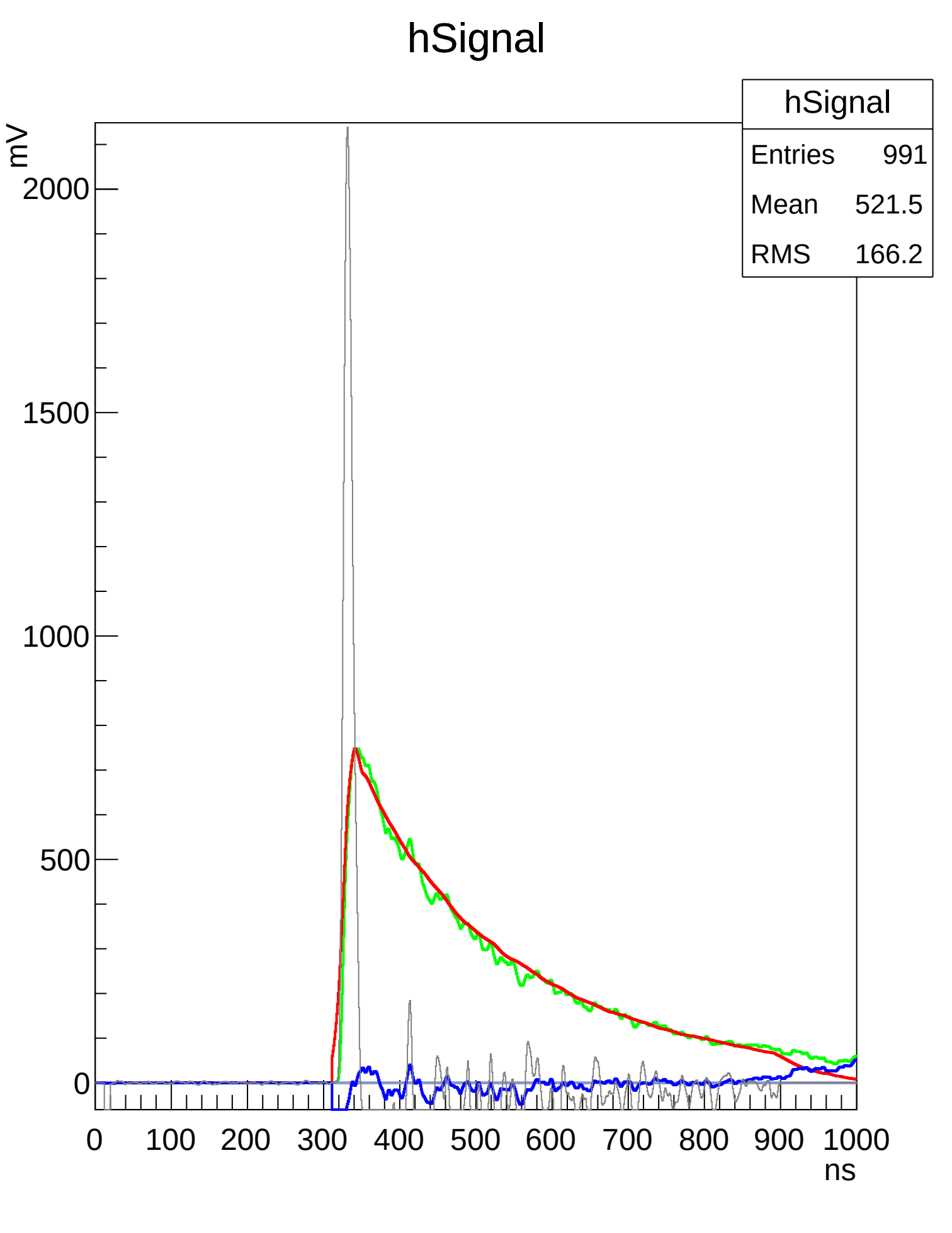
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.5
RMS 166.2
mV
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1500
1000
500
0
0
100
200
300
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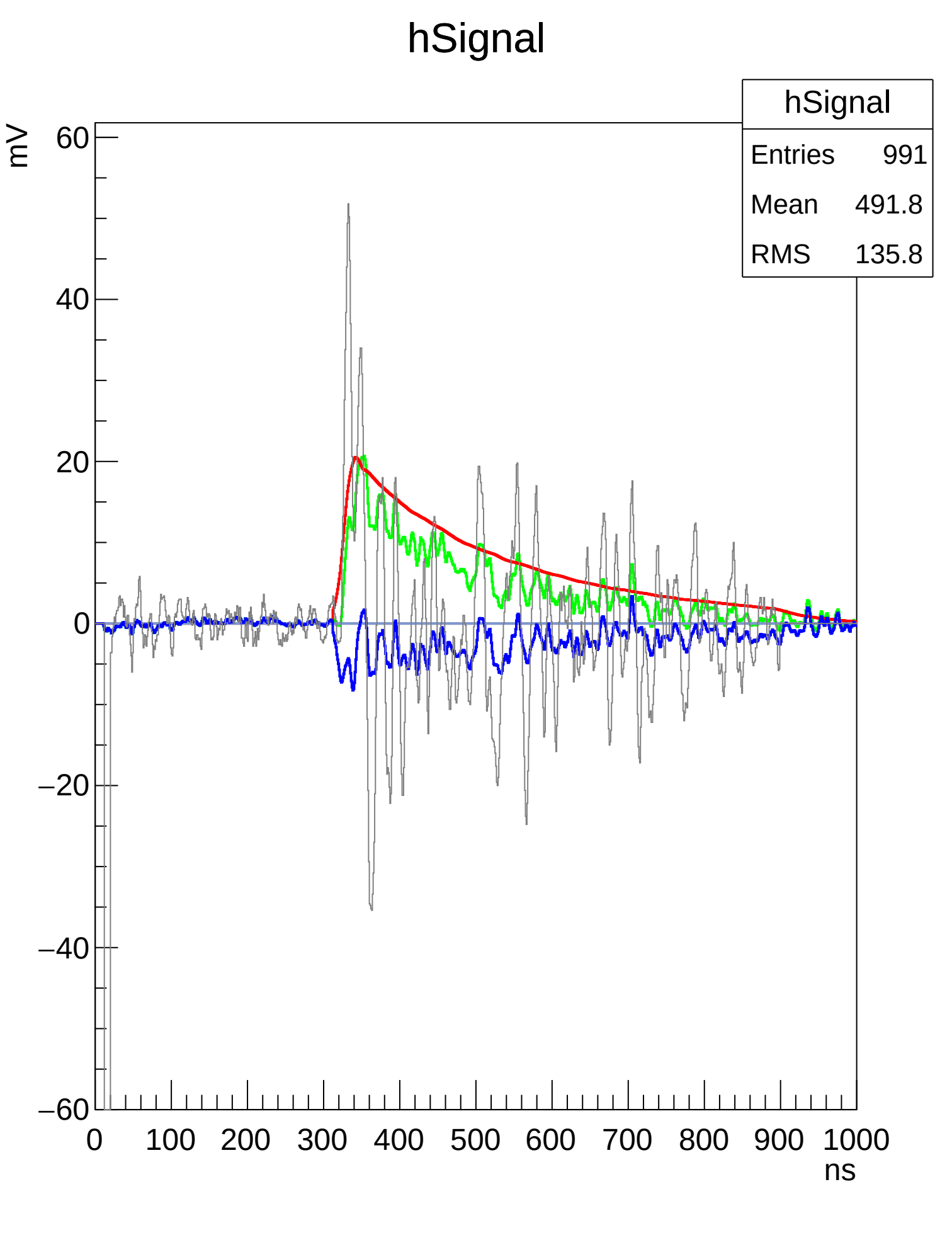
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.8
RMS 135.8
mV
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0
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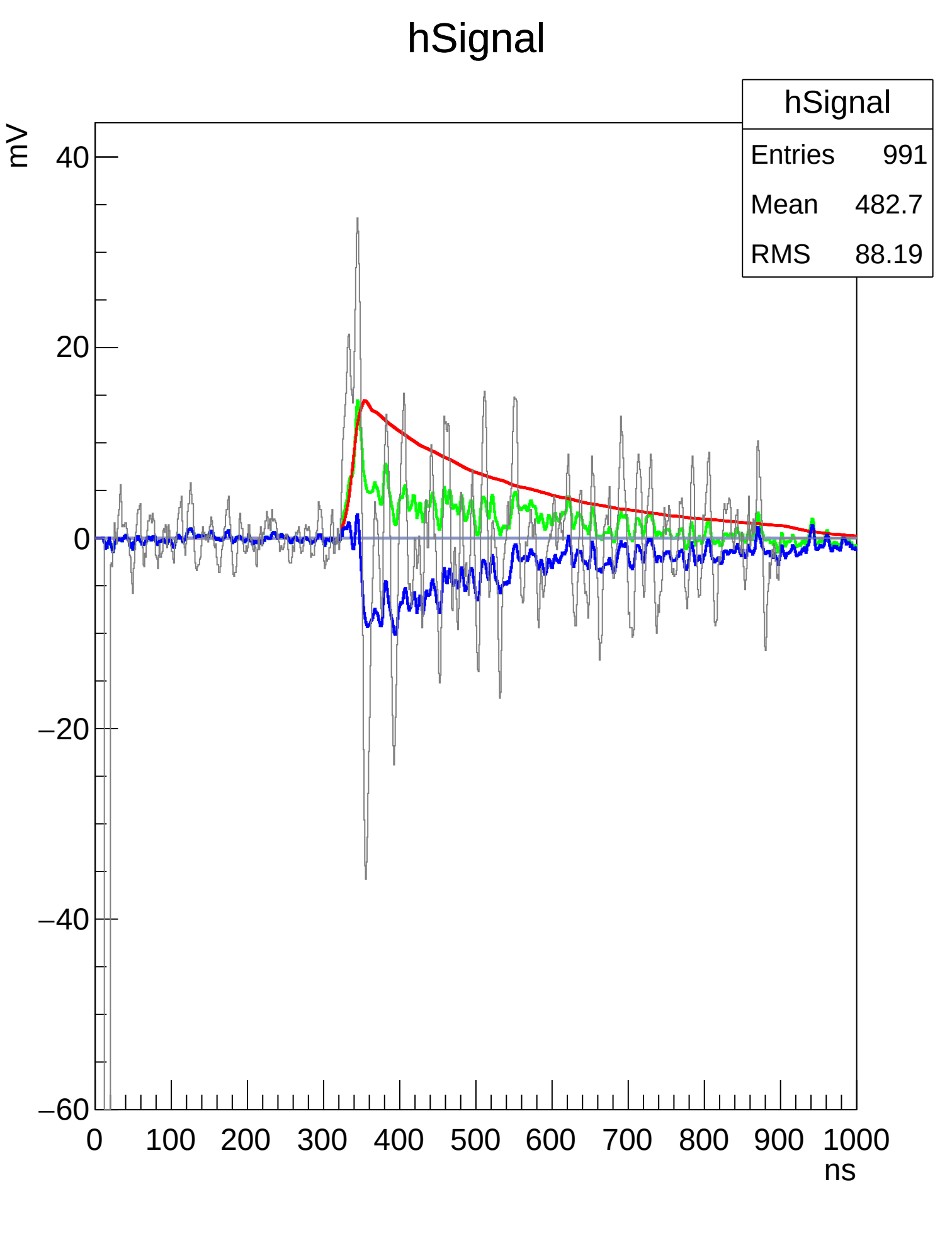
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 482.7
RMS 88.19
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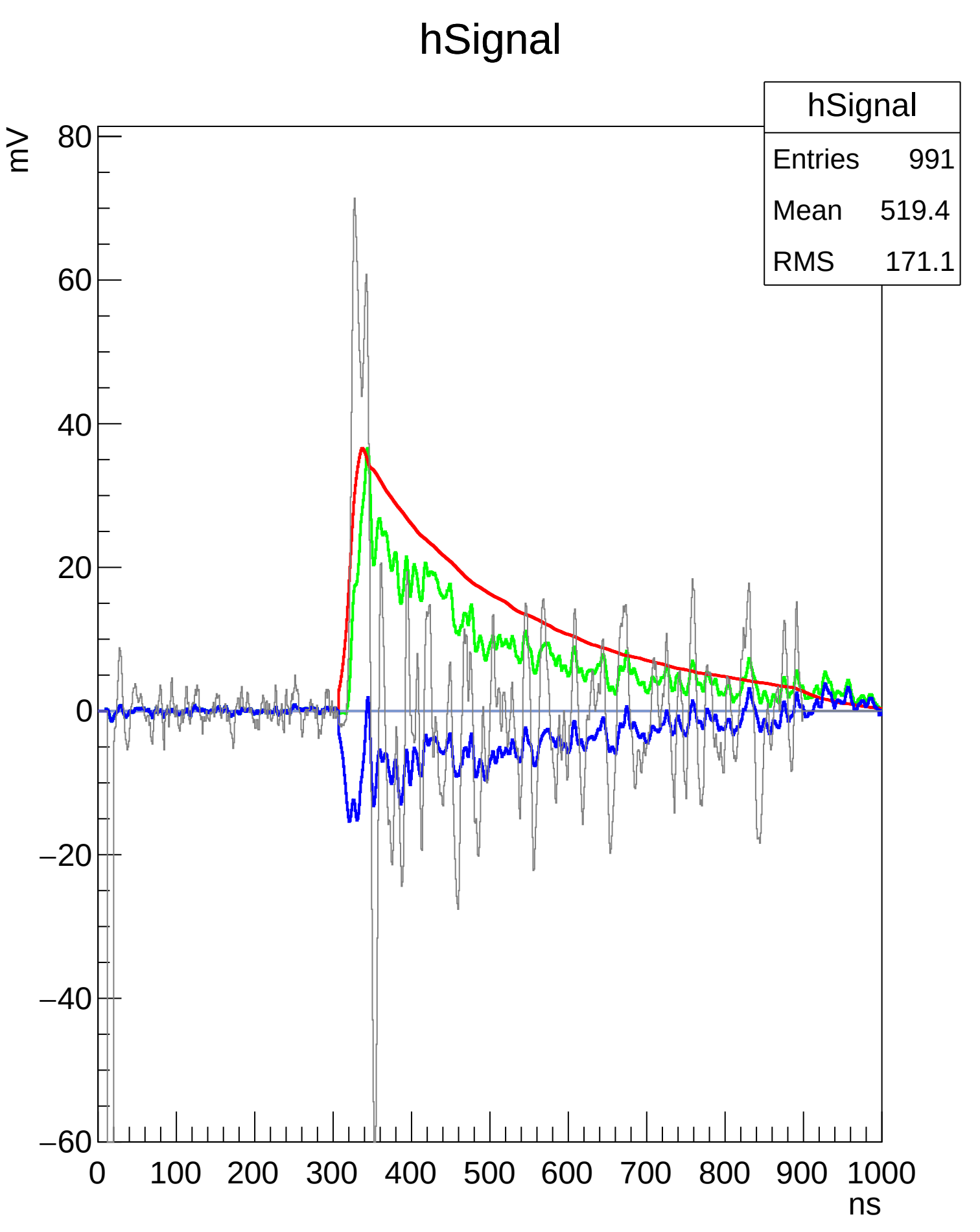
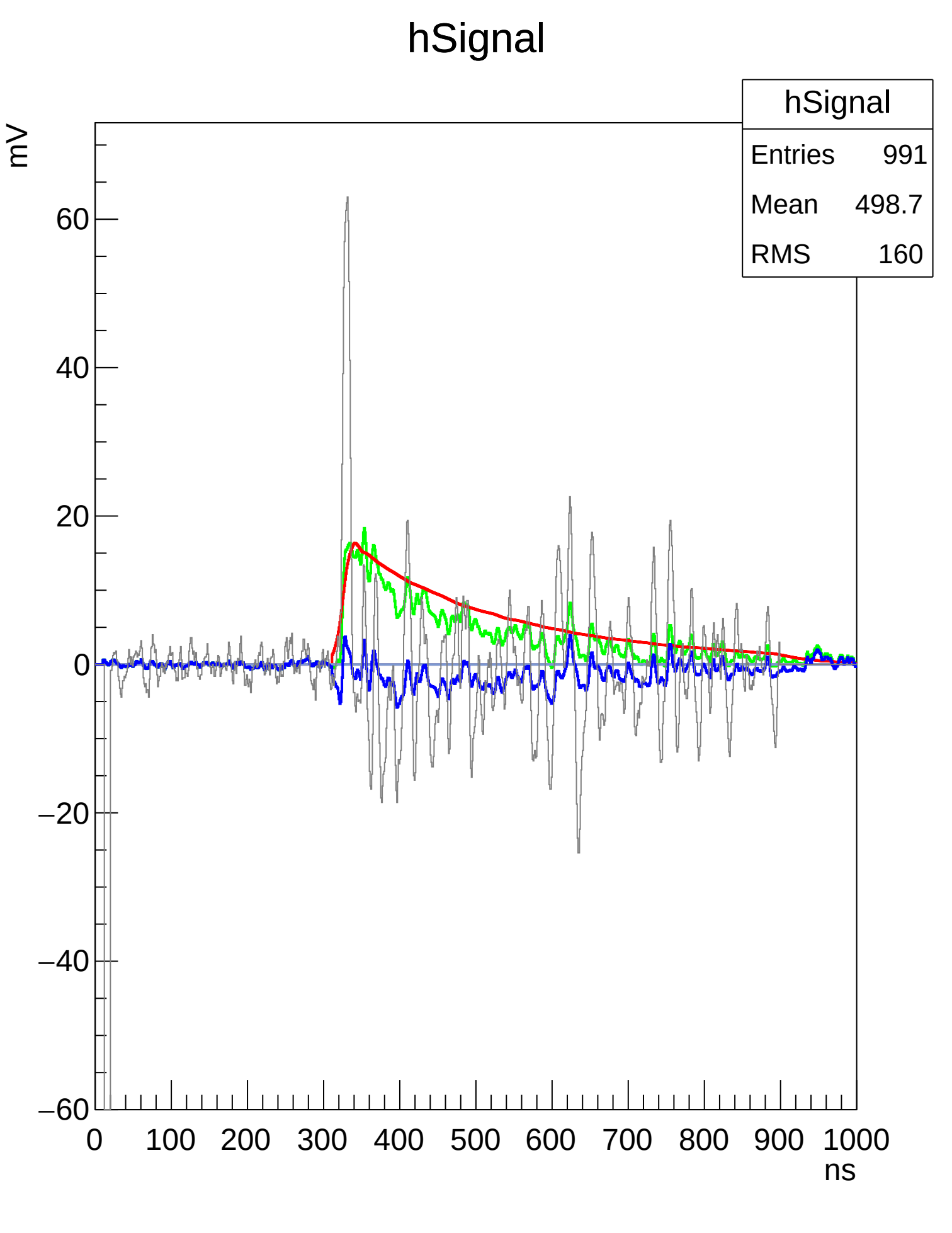
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.4
RMS 171.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.7
RMS 160
mV
60
40
20
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−20
−40
−60
0
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200
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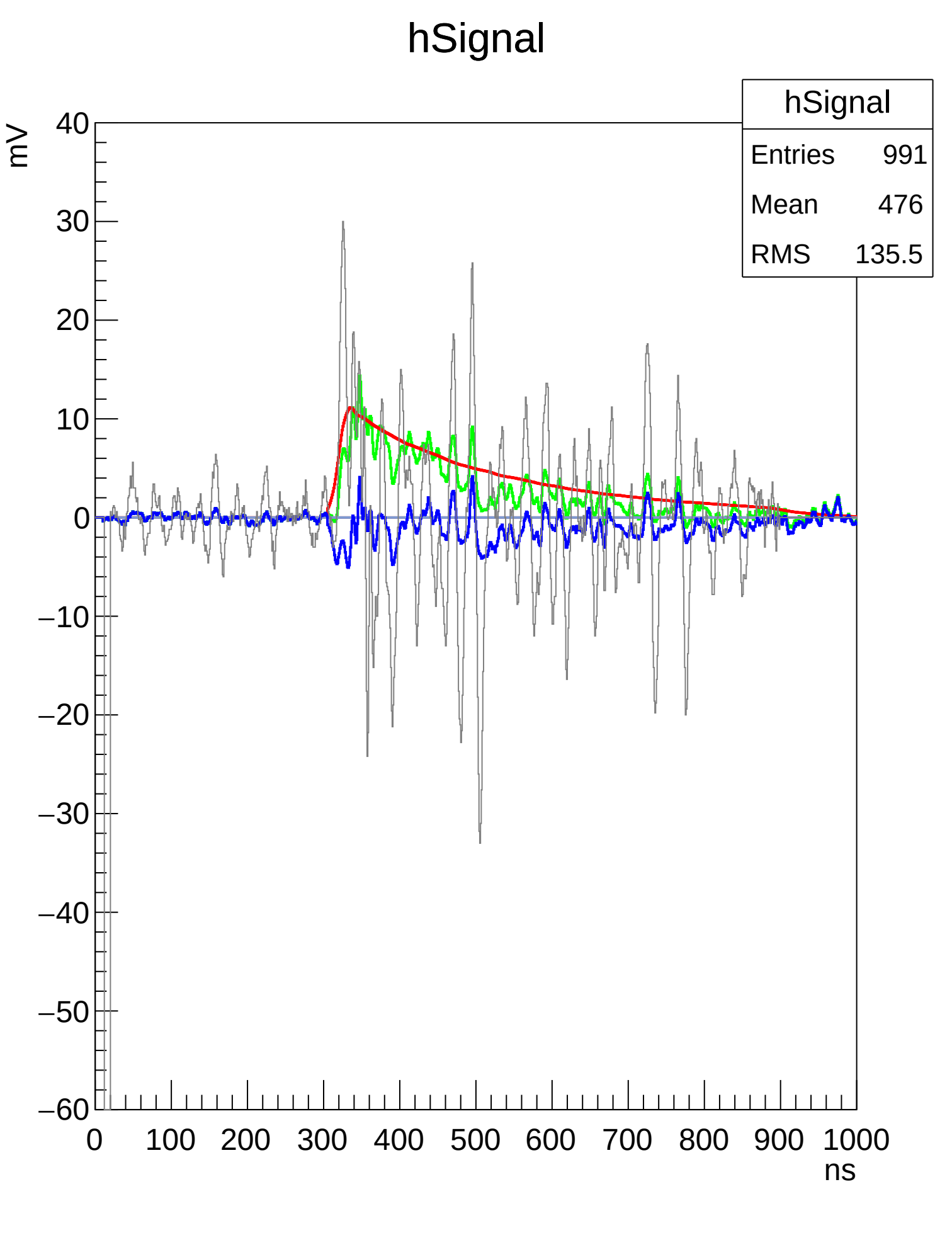
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 476
RMS 135.5
mV
40
30
20
10
0
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−40
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0
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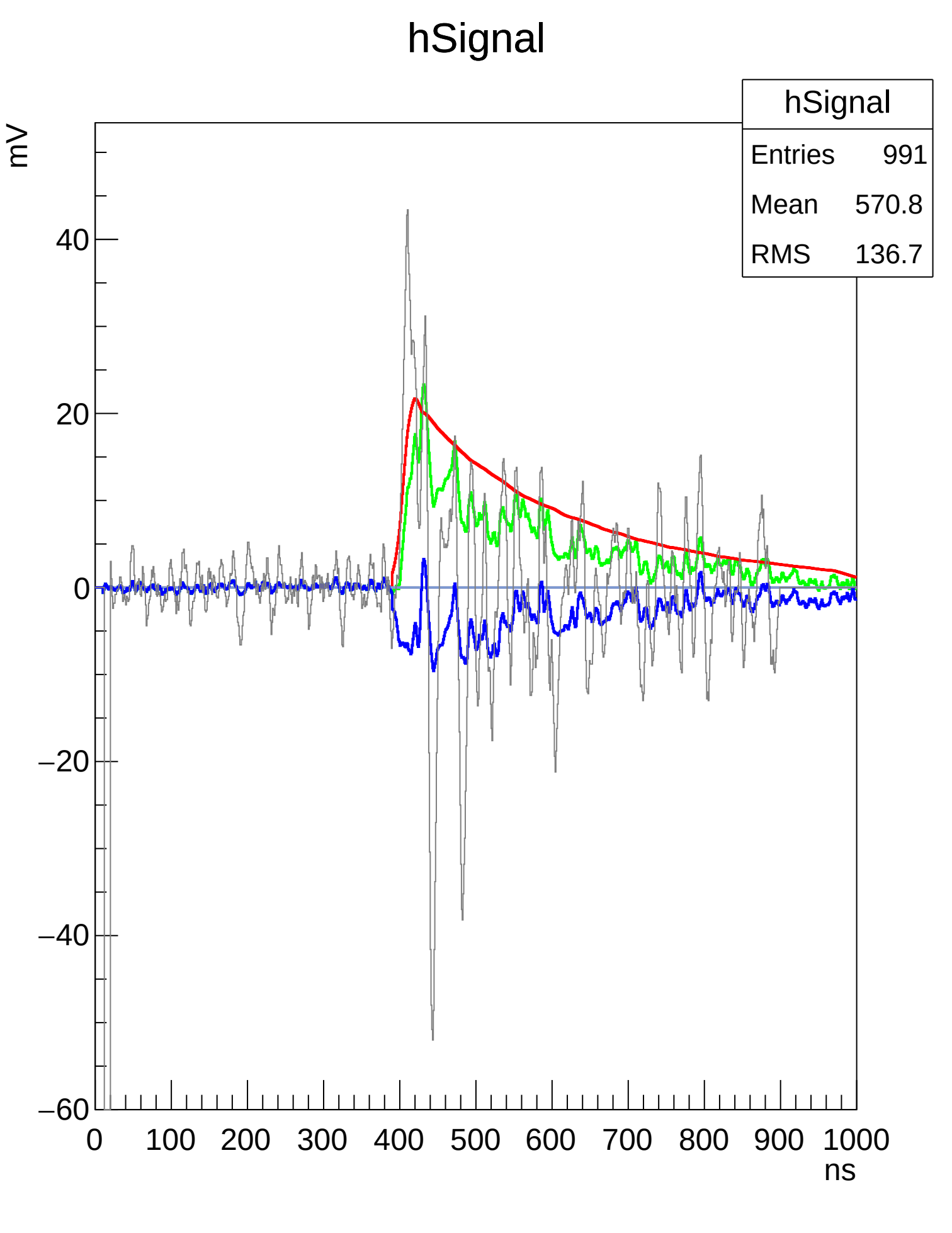
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.8
RMS 136.7
mV
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−20
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0
100
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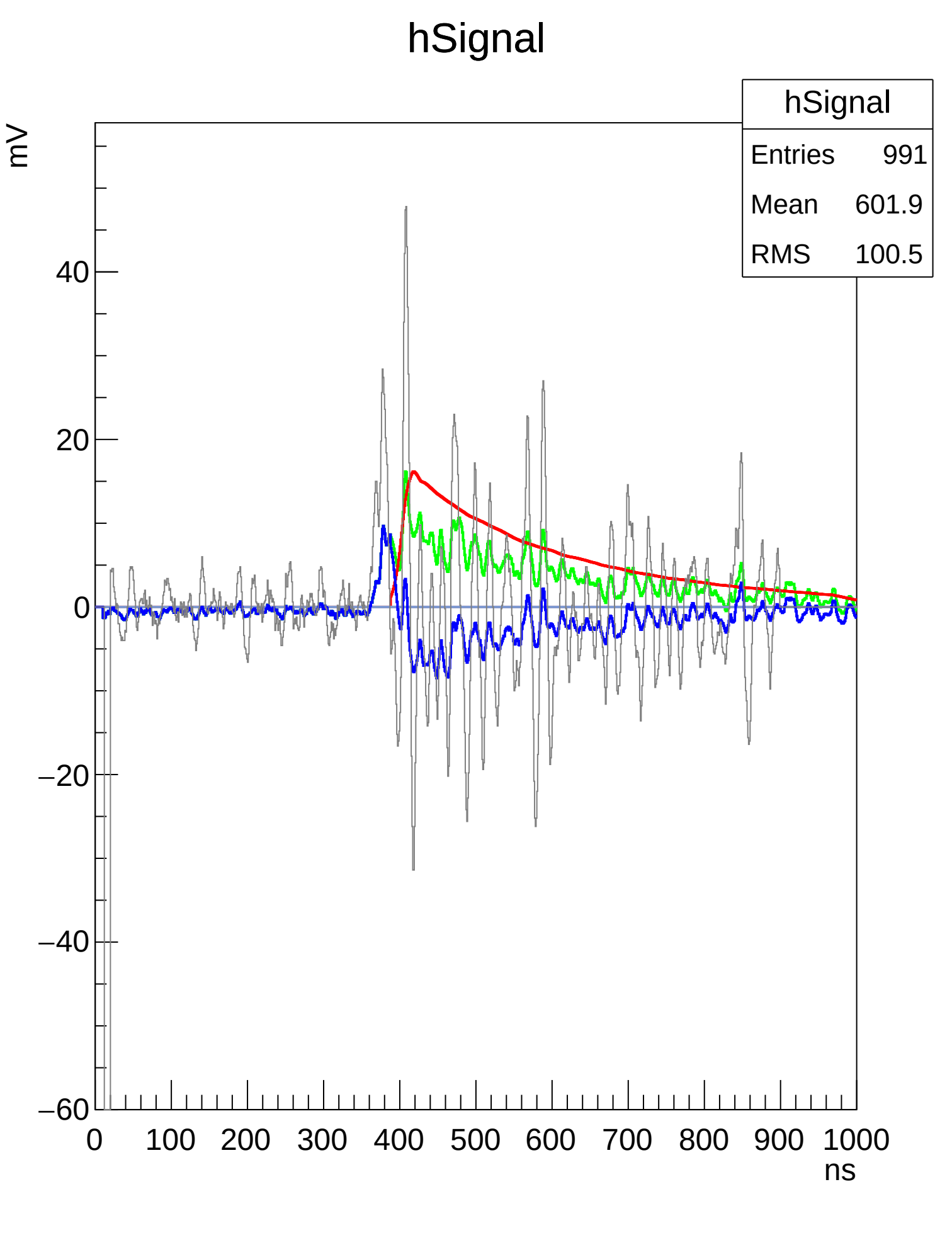
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.9
RMS 100.5
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−20
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0
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800
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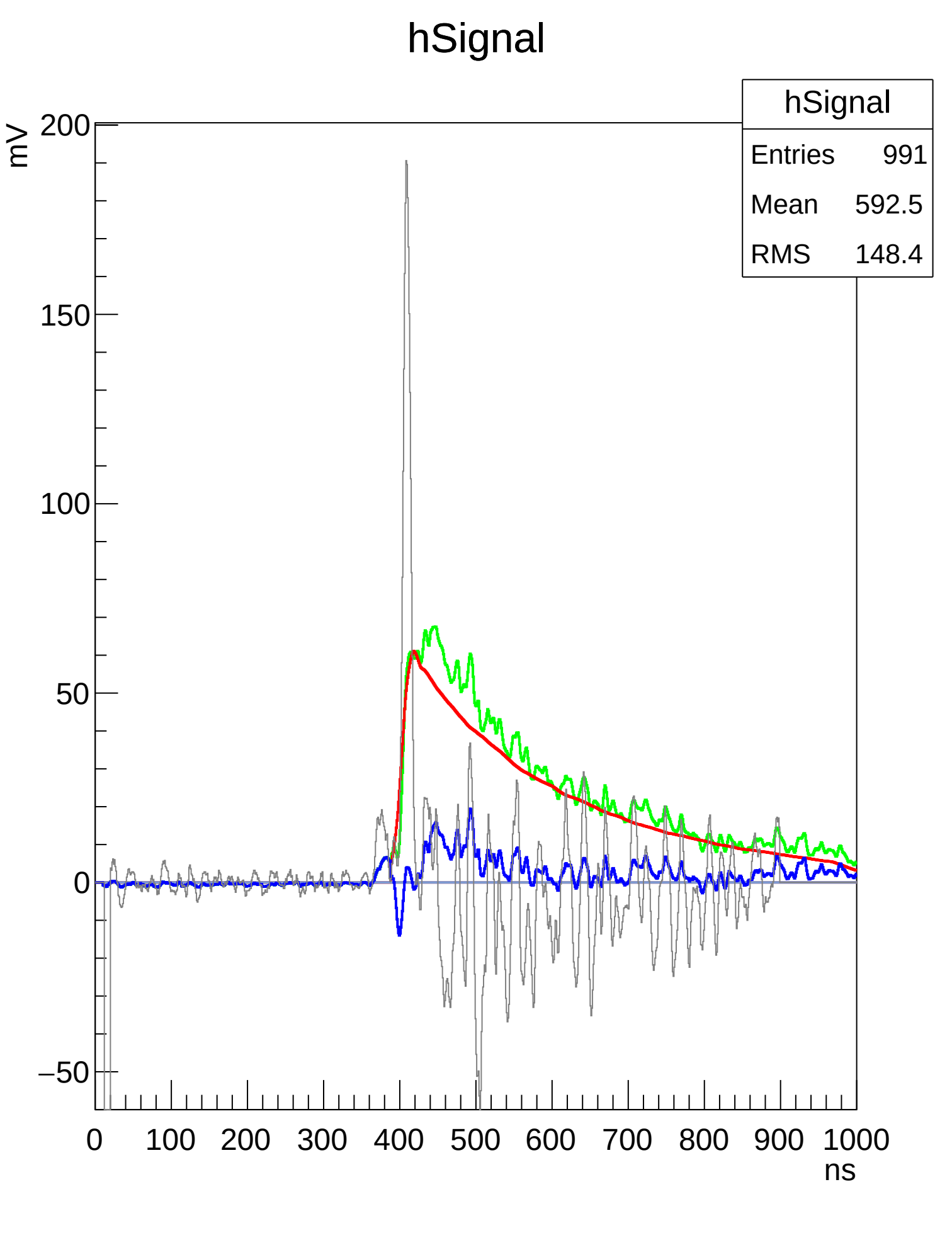
1000
ns


hSignal
hSignal
Entries 991
Mean 592.5
RMS 148.4
mV
200
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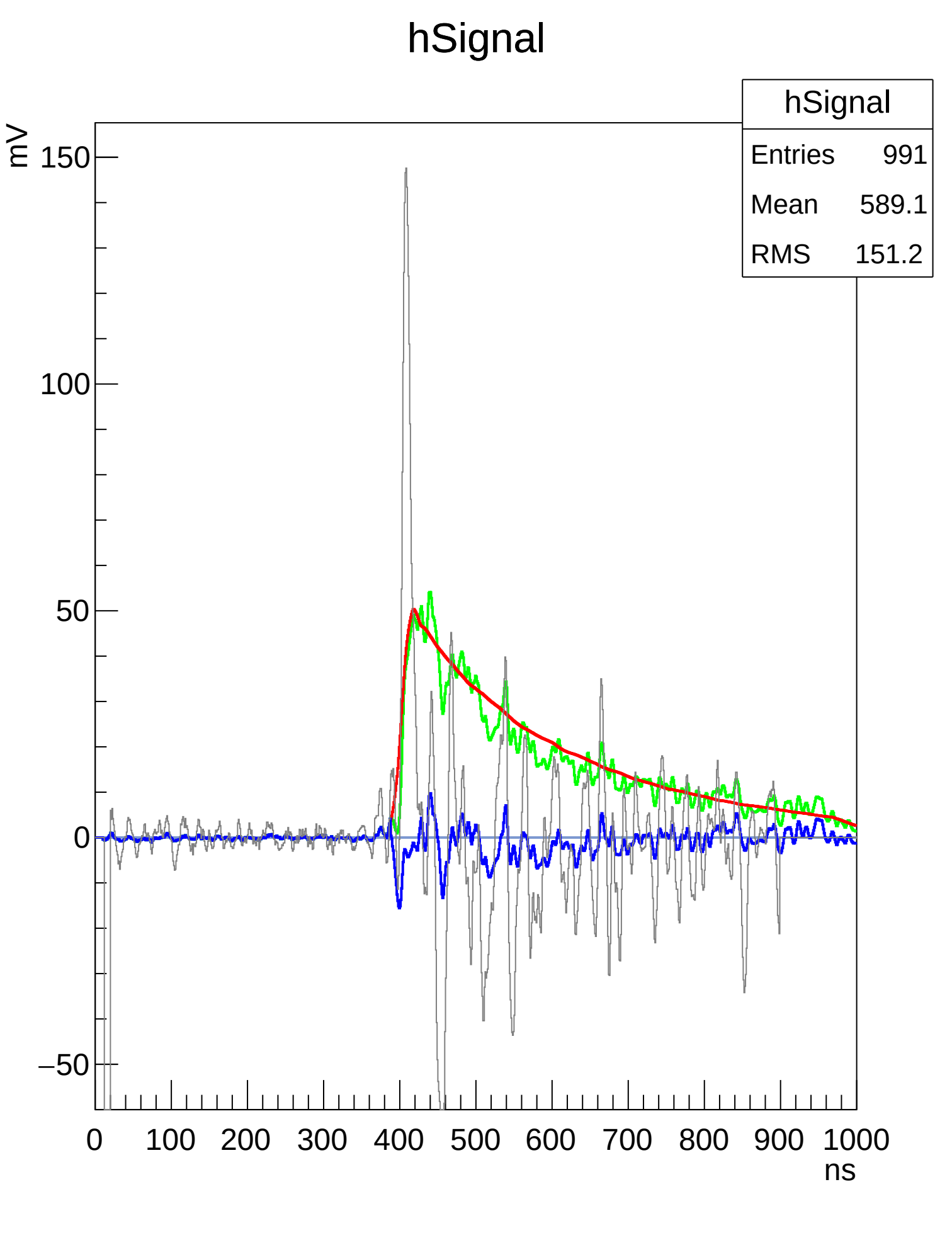
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.1
RMS 151.2
mV
150
100
50
0
−50
0
100
200
300
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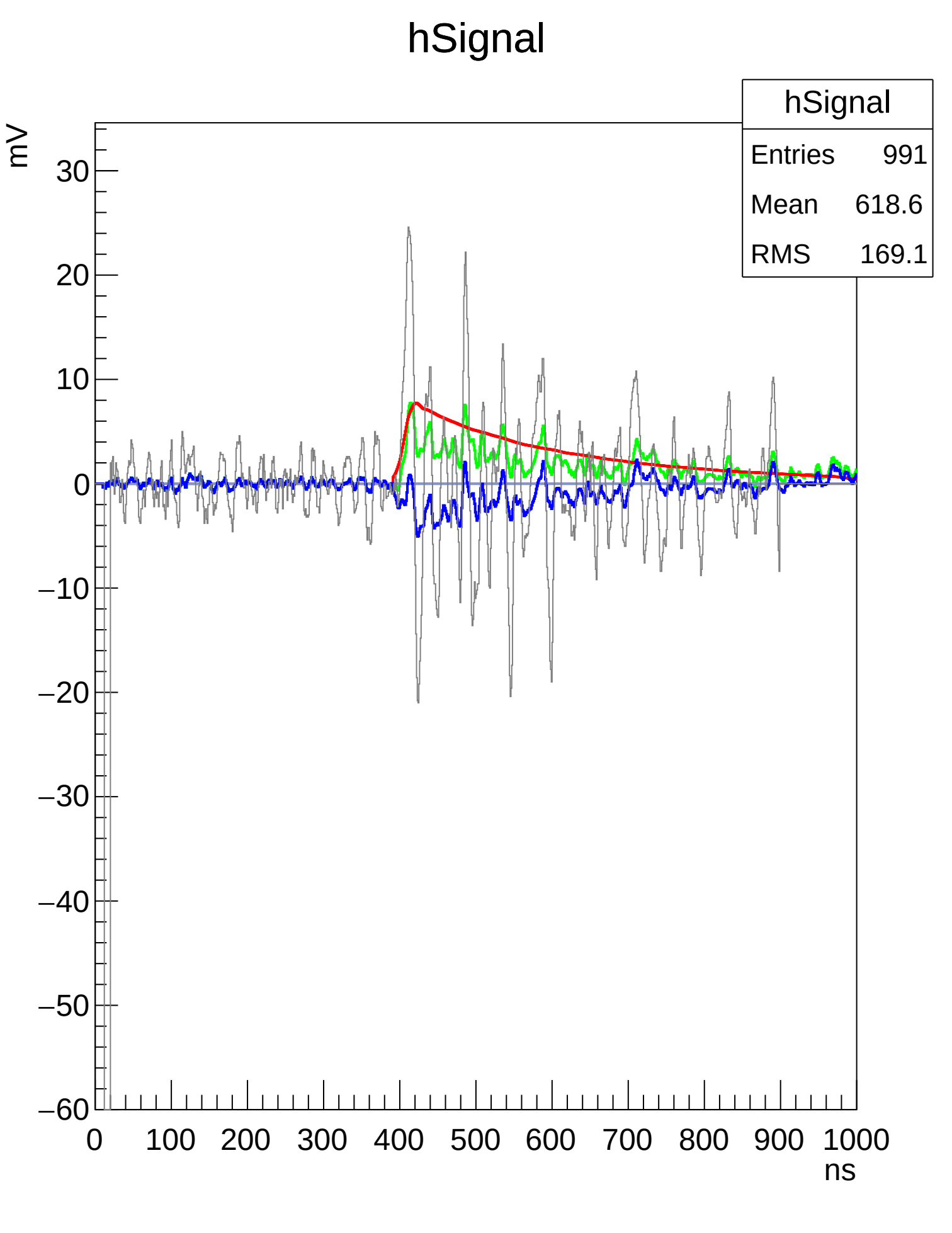
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.6
RMS 169.1
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
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800
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1000
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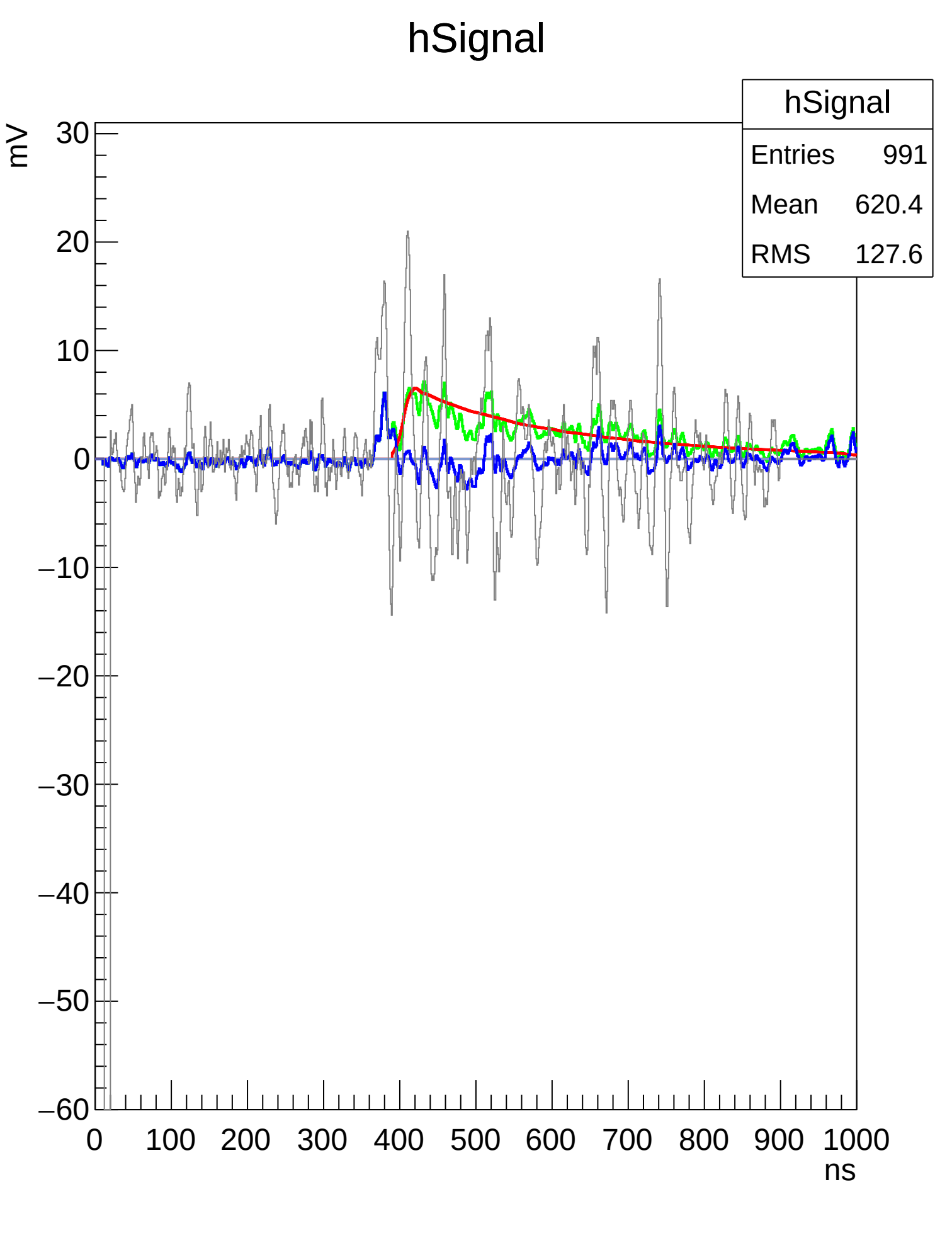
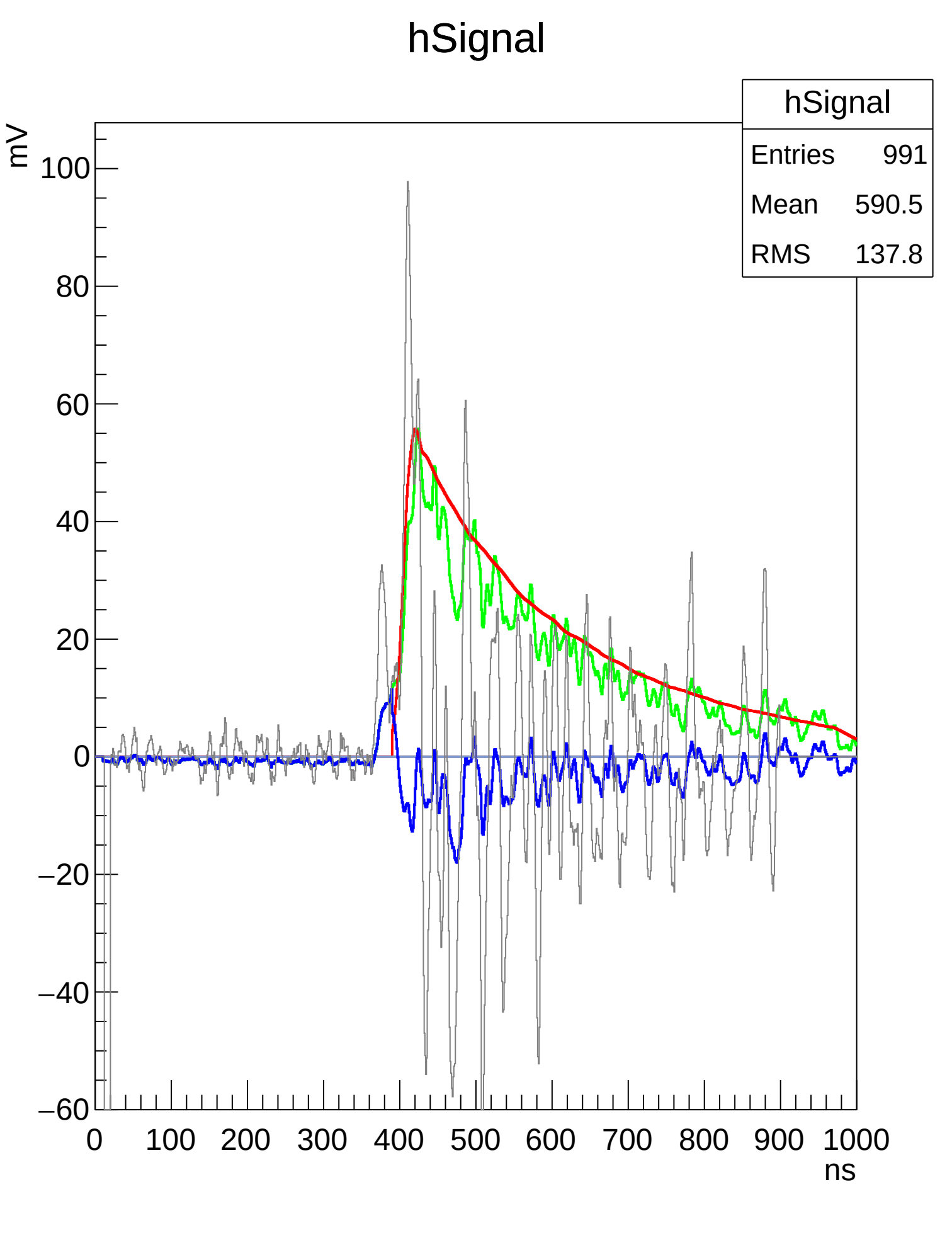
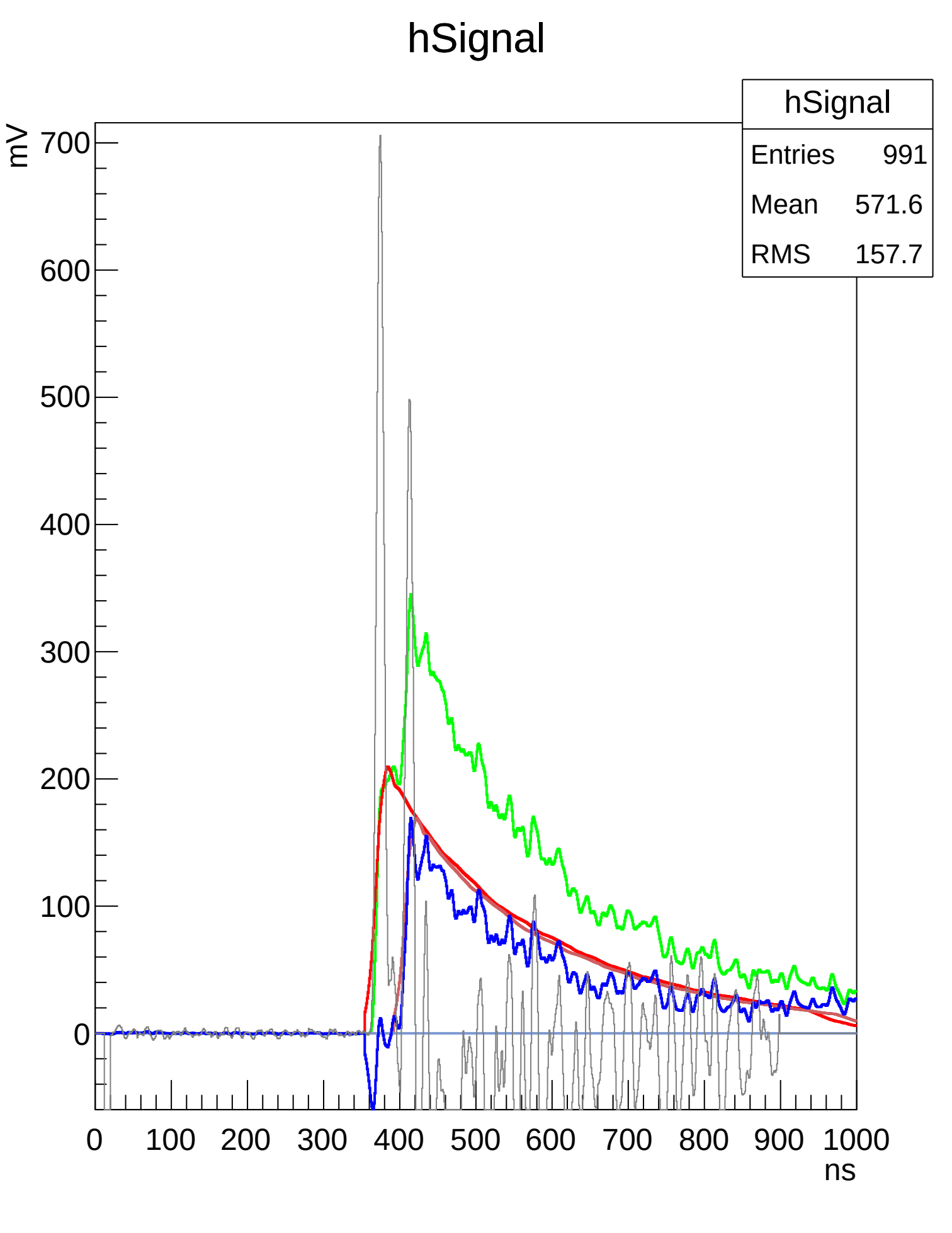
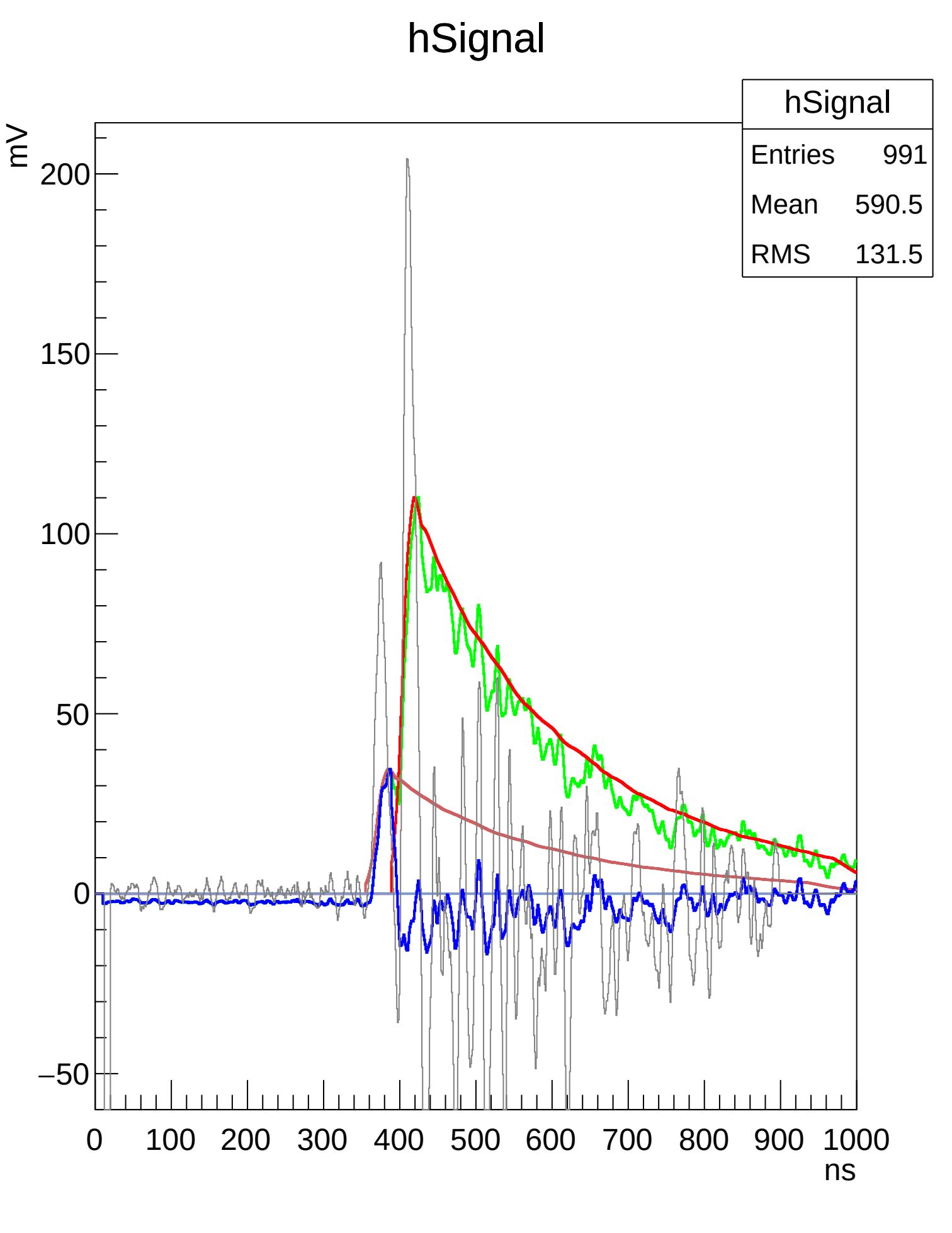

hSignal
hSignal
Entries 991
Mean 620.4
RMS 127.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 137.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.6
RMS 157.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 131.5
mV
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100
50
0
−50
0
100
200
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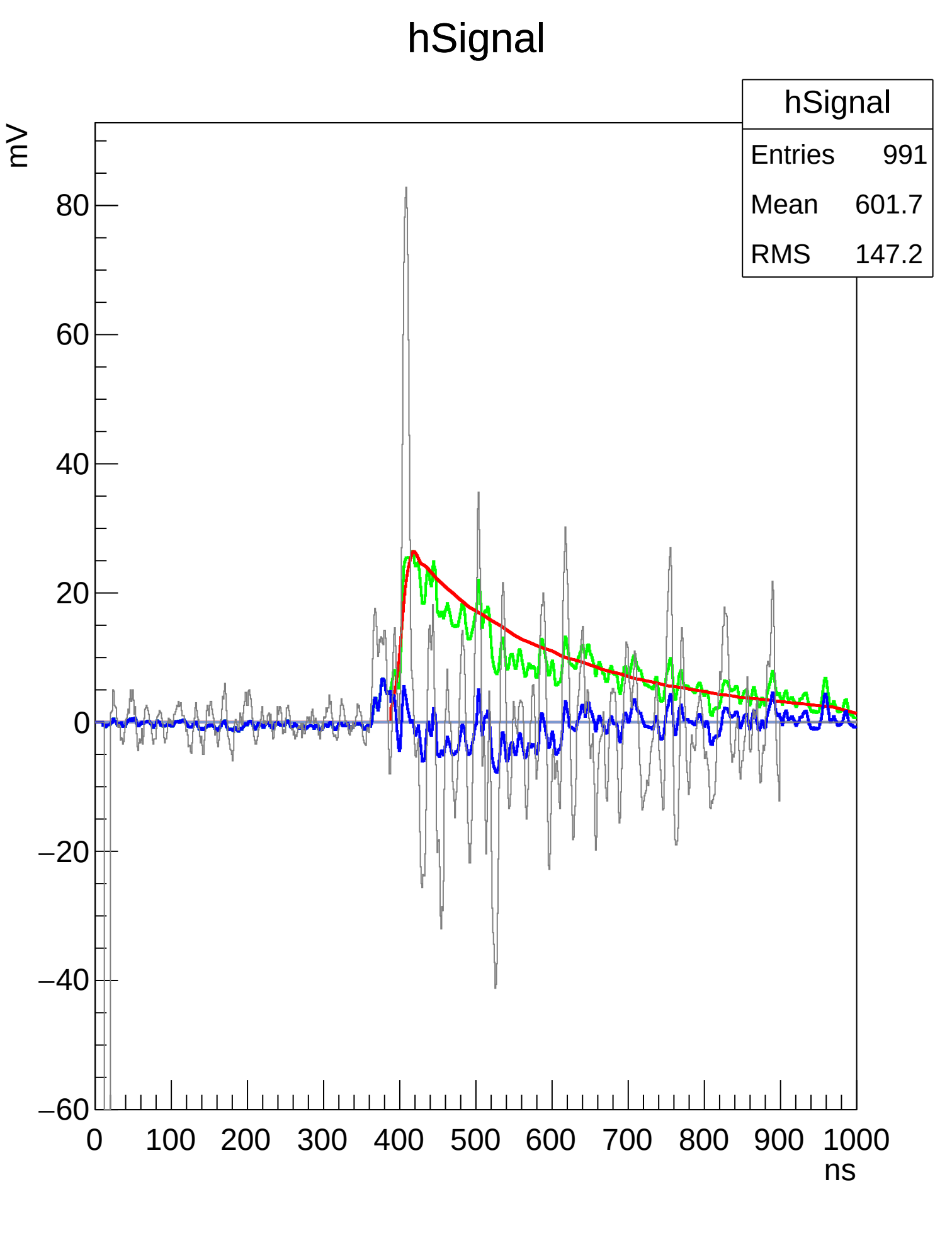
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.7
RMS 147.2
mV
80
60
40
20
0
−20
−40
−60
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100
200
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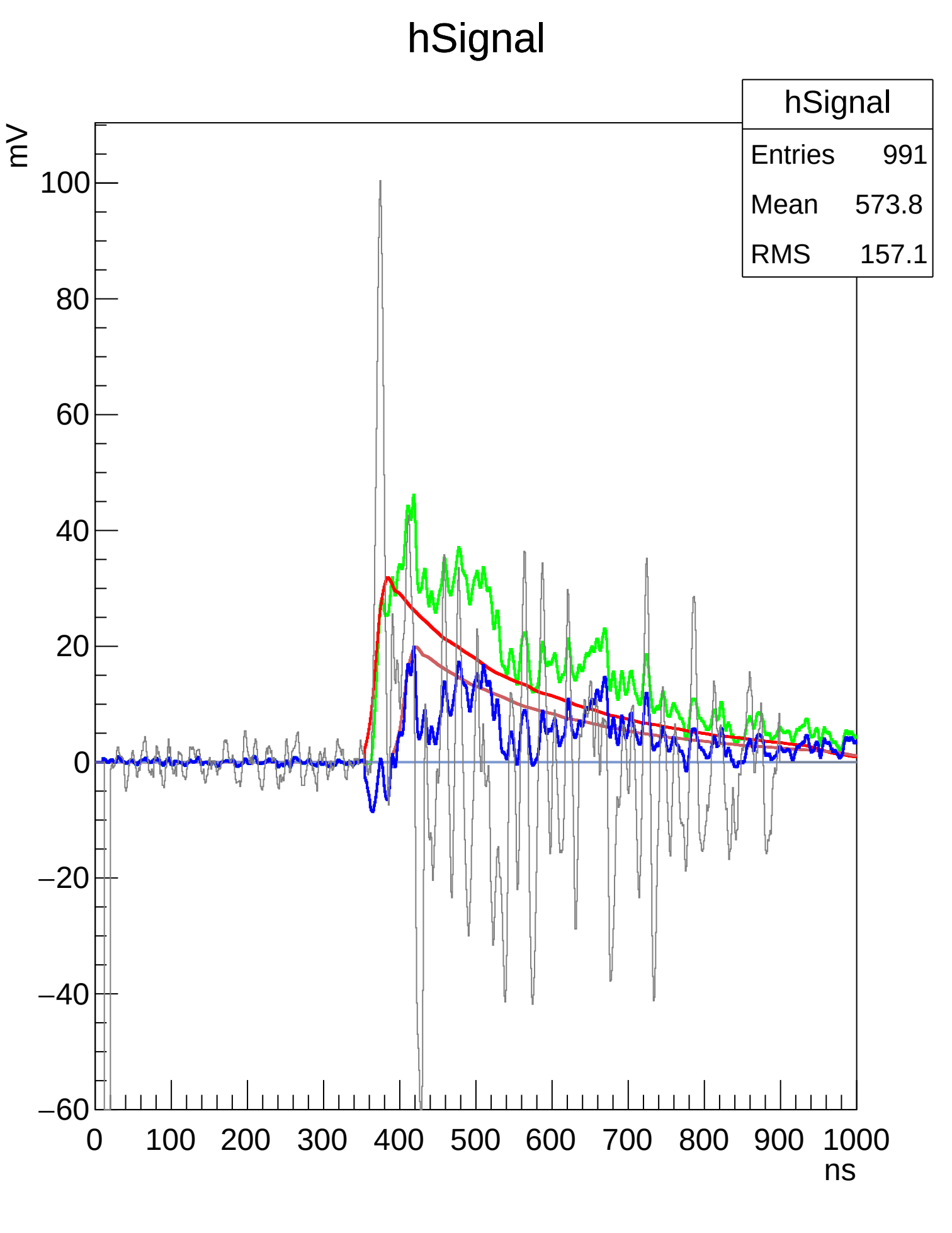
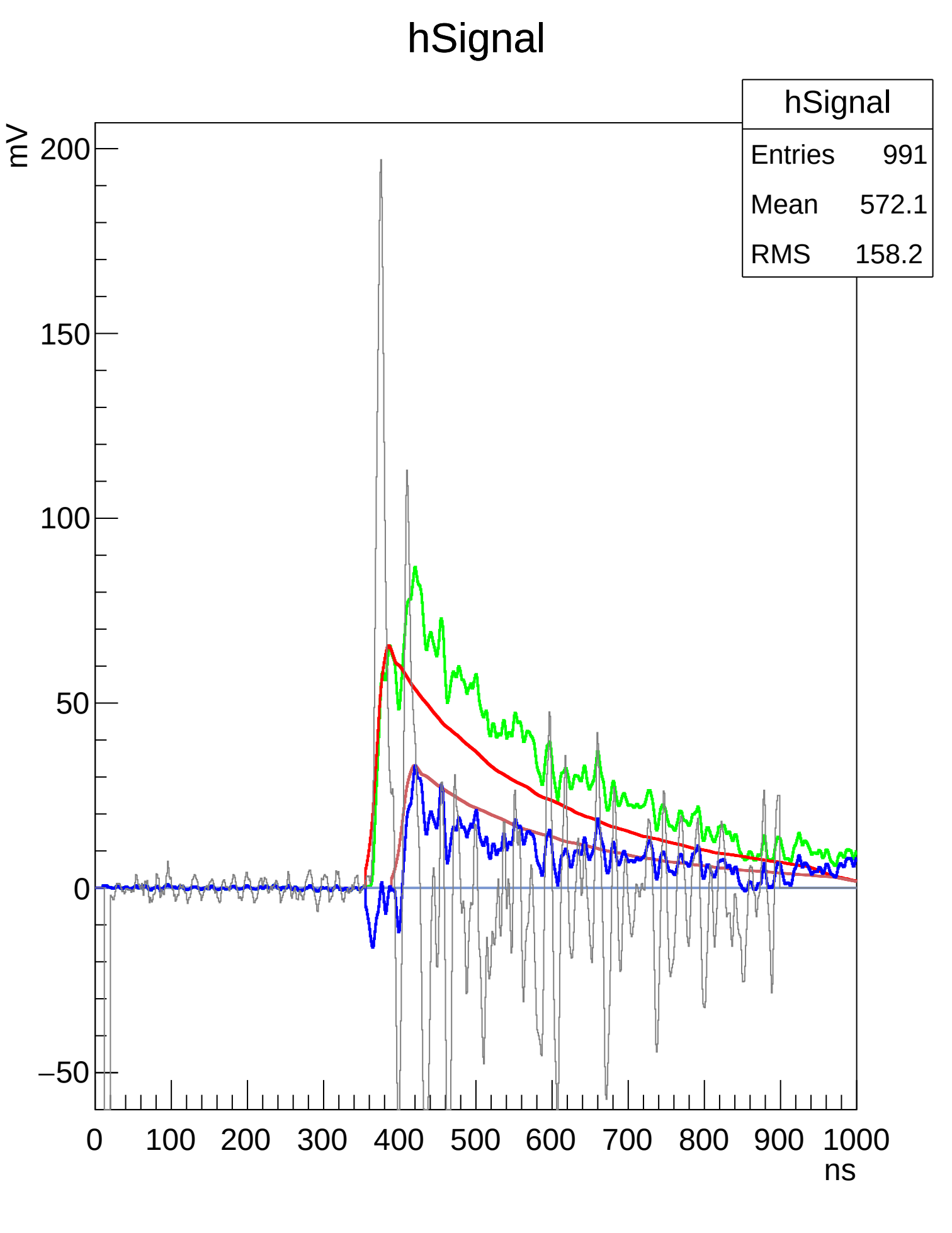
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.8
RMS 157.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.1
RMS 158.2
mV
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150
100
50
0
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0
100
200
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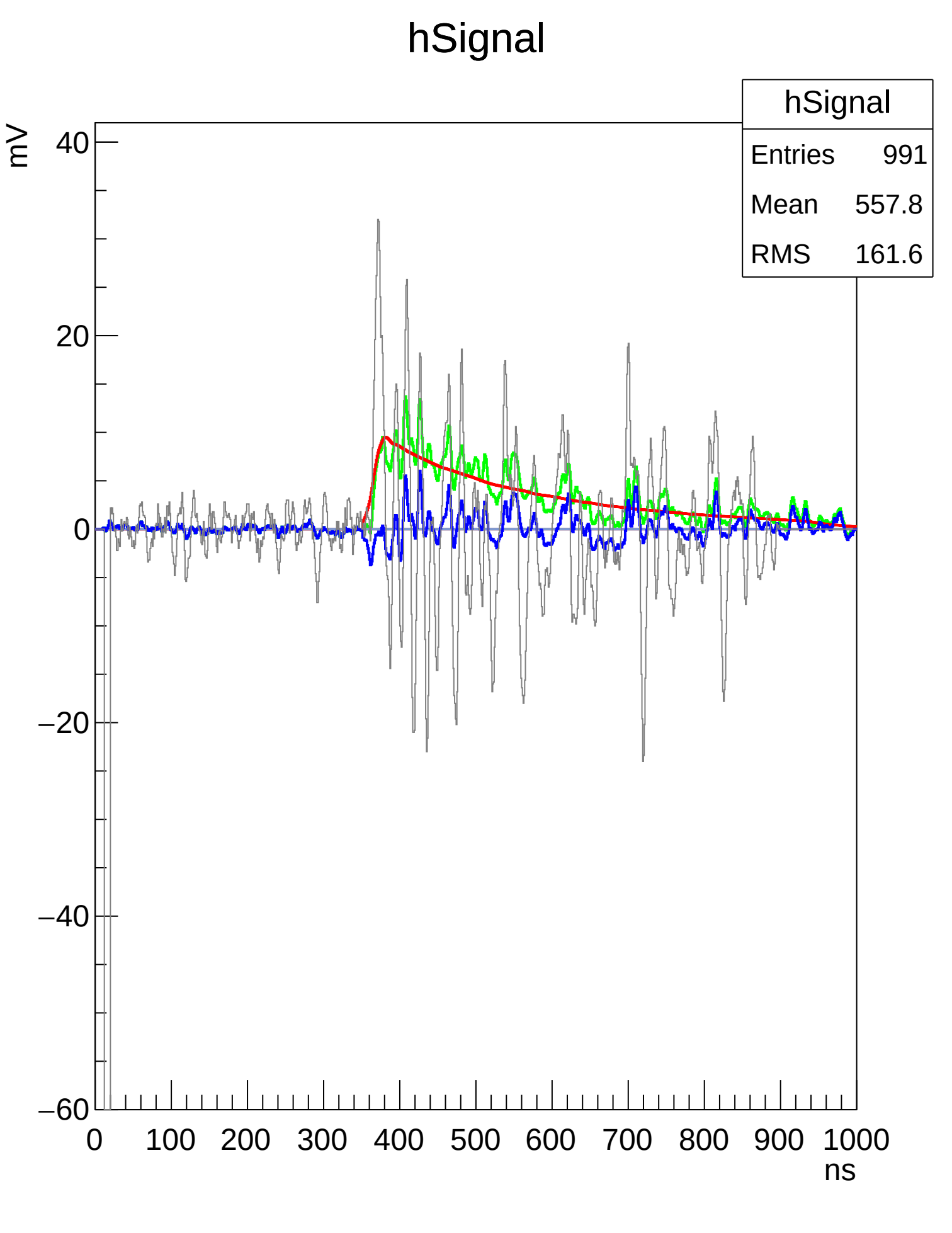
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.8
RMS 161.6
mV
40
20
0
−20
−40
−60
0
100
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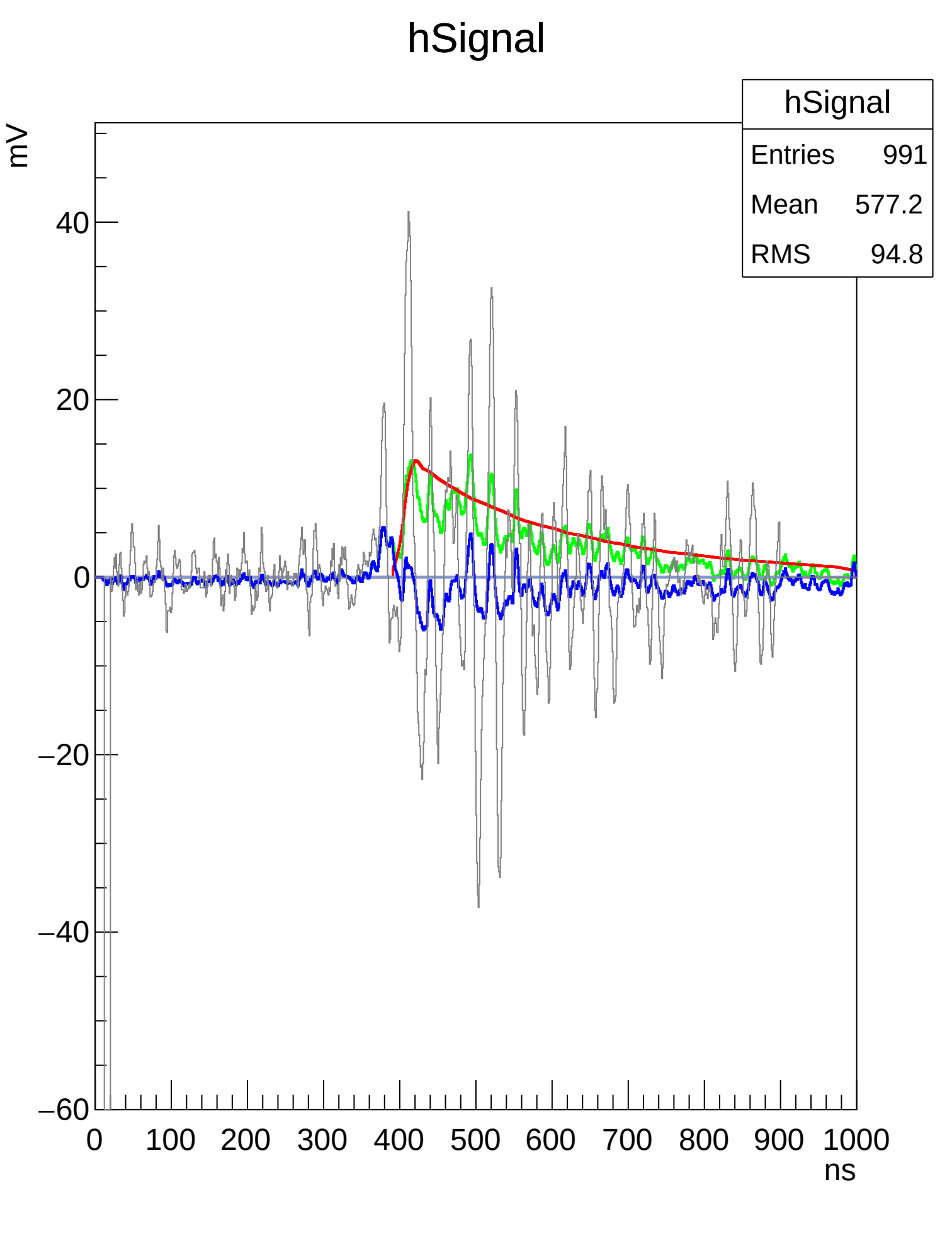
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.2
RMS 94.8
mV
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−20
−40
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0
100
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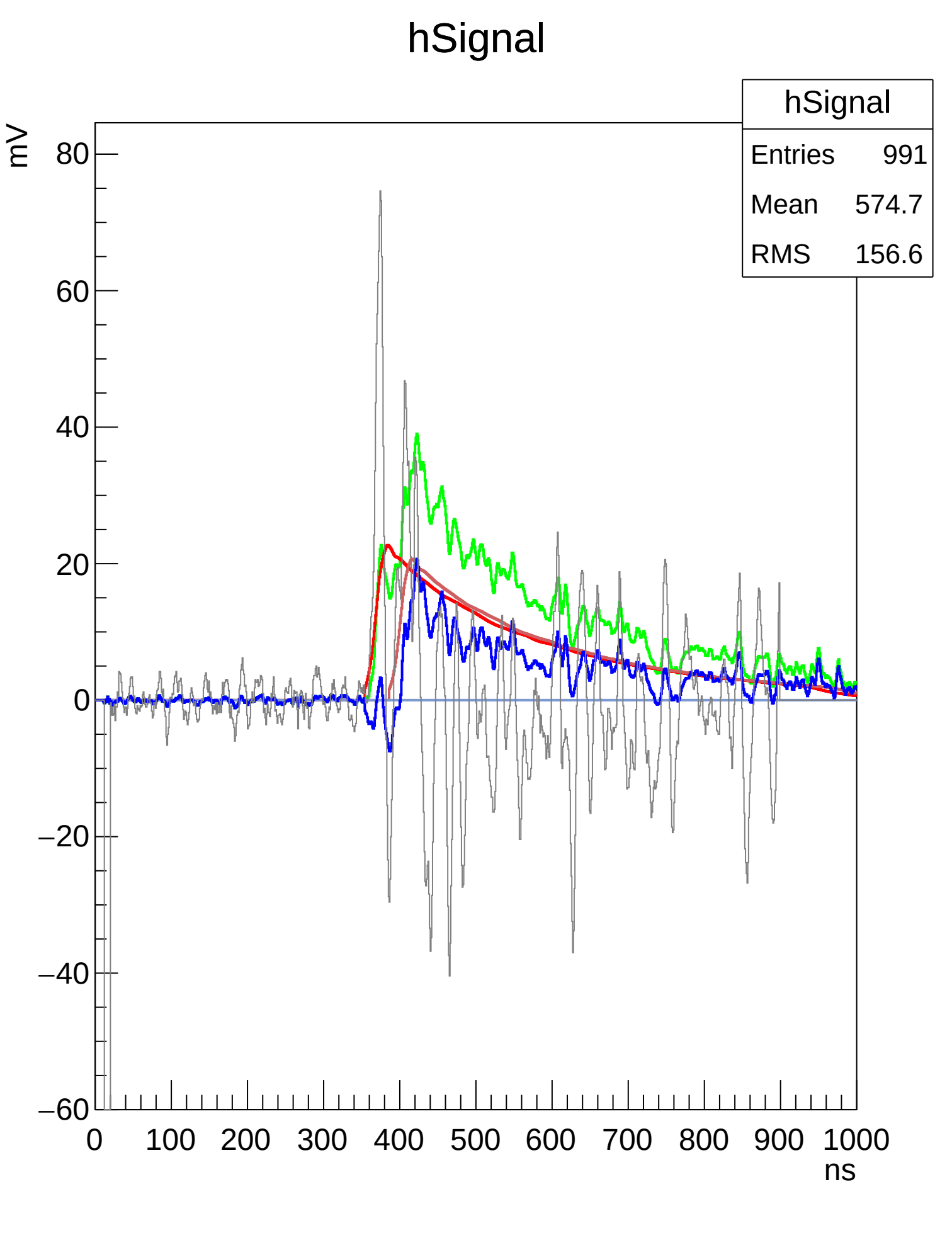
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.7
RMS 156.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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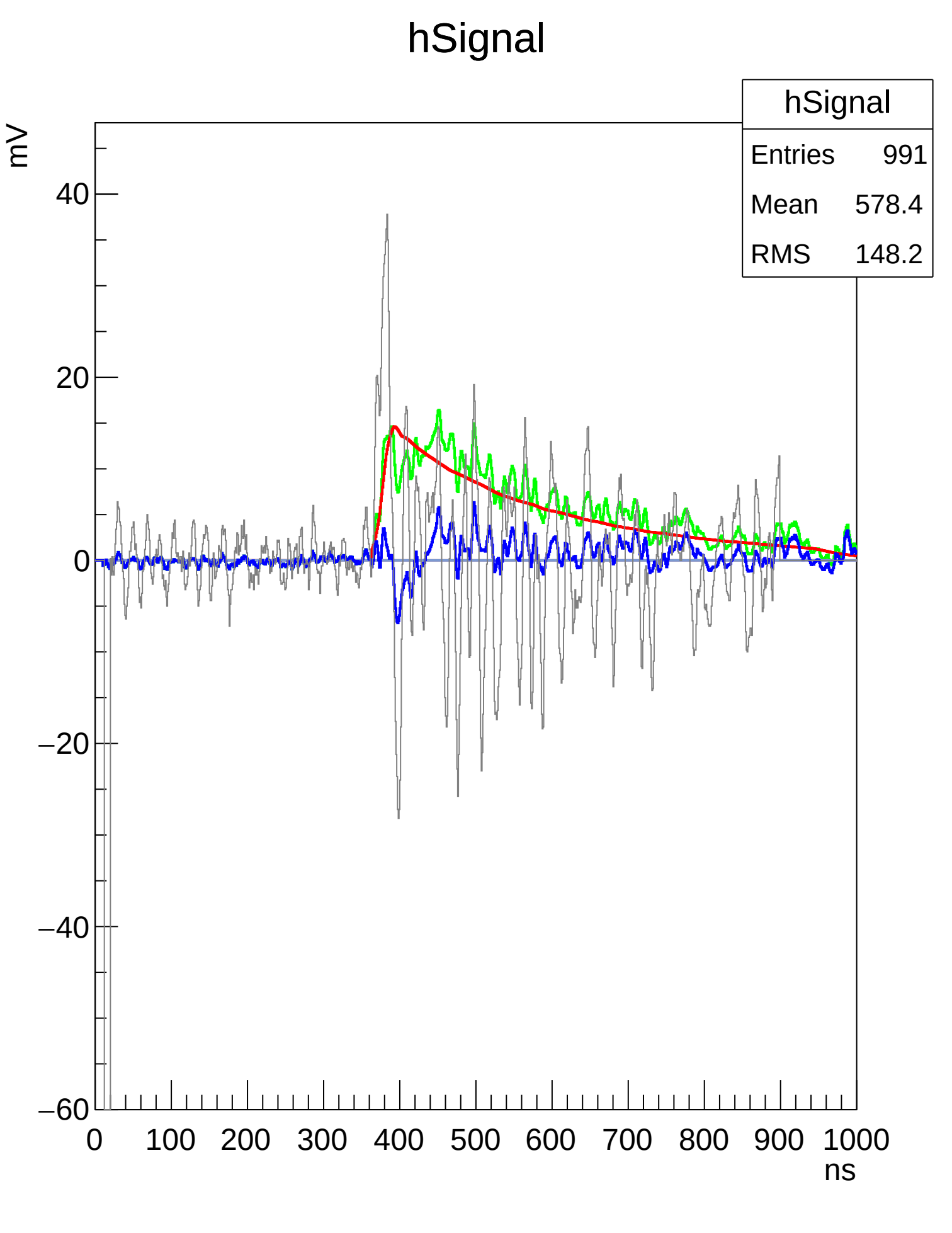
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.4
RMS 148.2
mV
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−20
−40
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0
100
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400
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600
700
800
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1000
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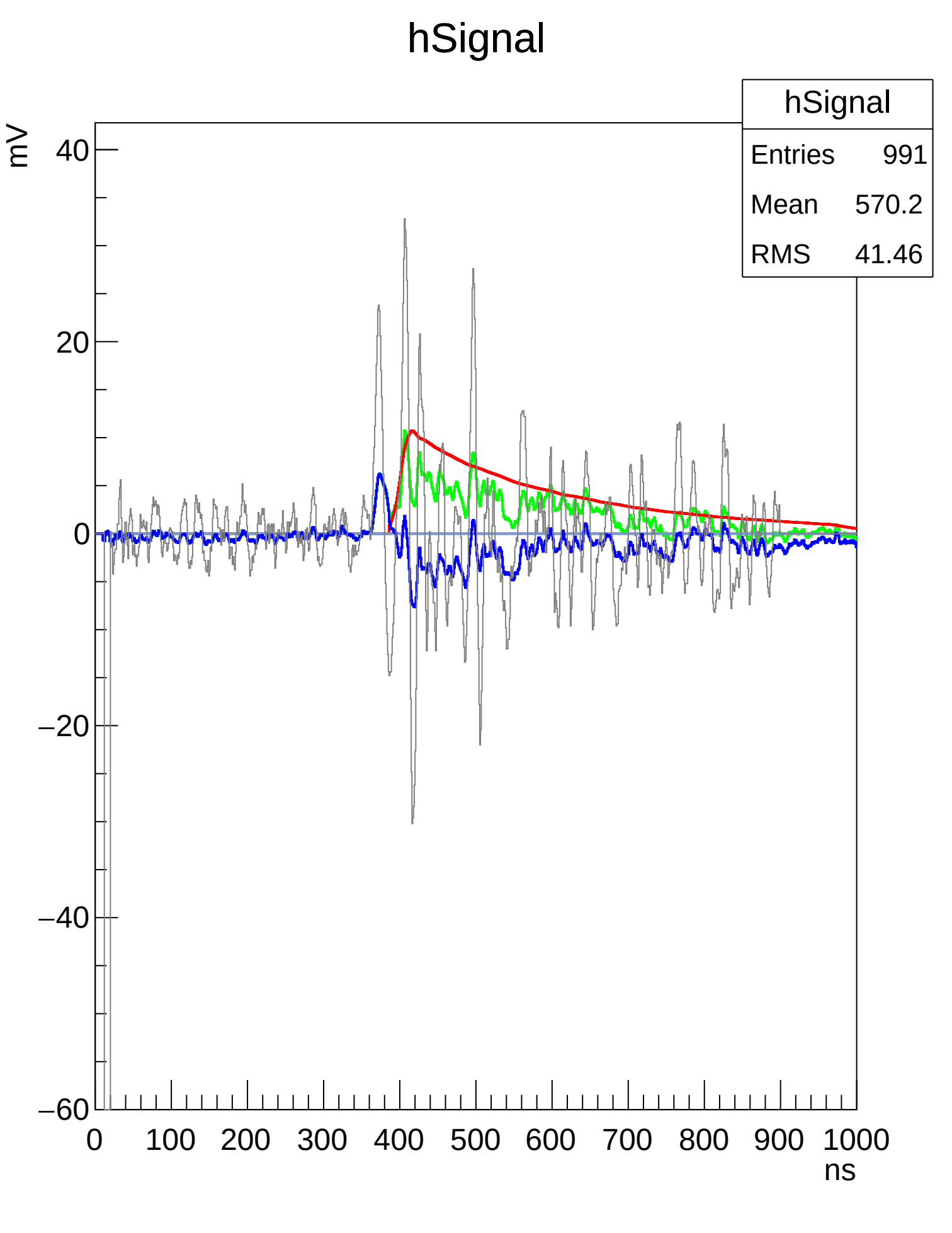
hSignal
hSignal
Entries 991
Mean 570.2
RMS 41.46
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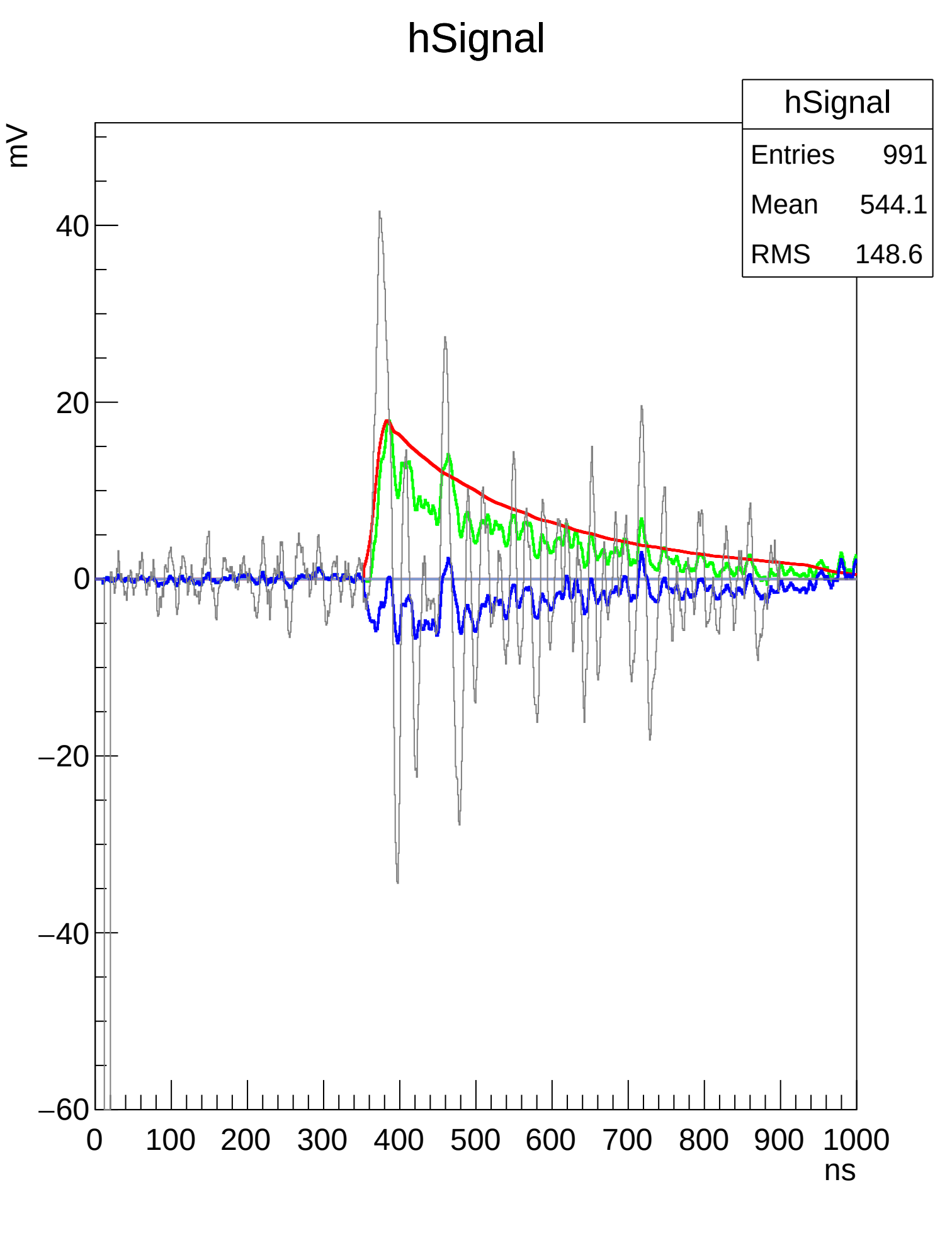
hSignal
hSignal
Entries 991
Mean 544.1
RMS 148.6
mV
40
20
0
−20
−40
−60
0
100
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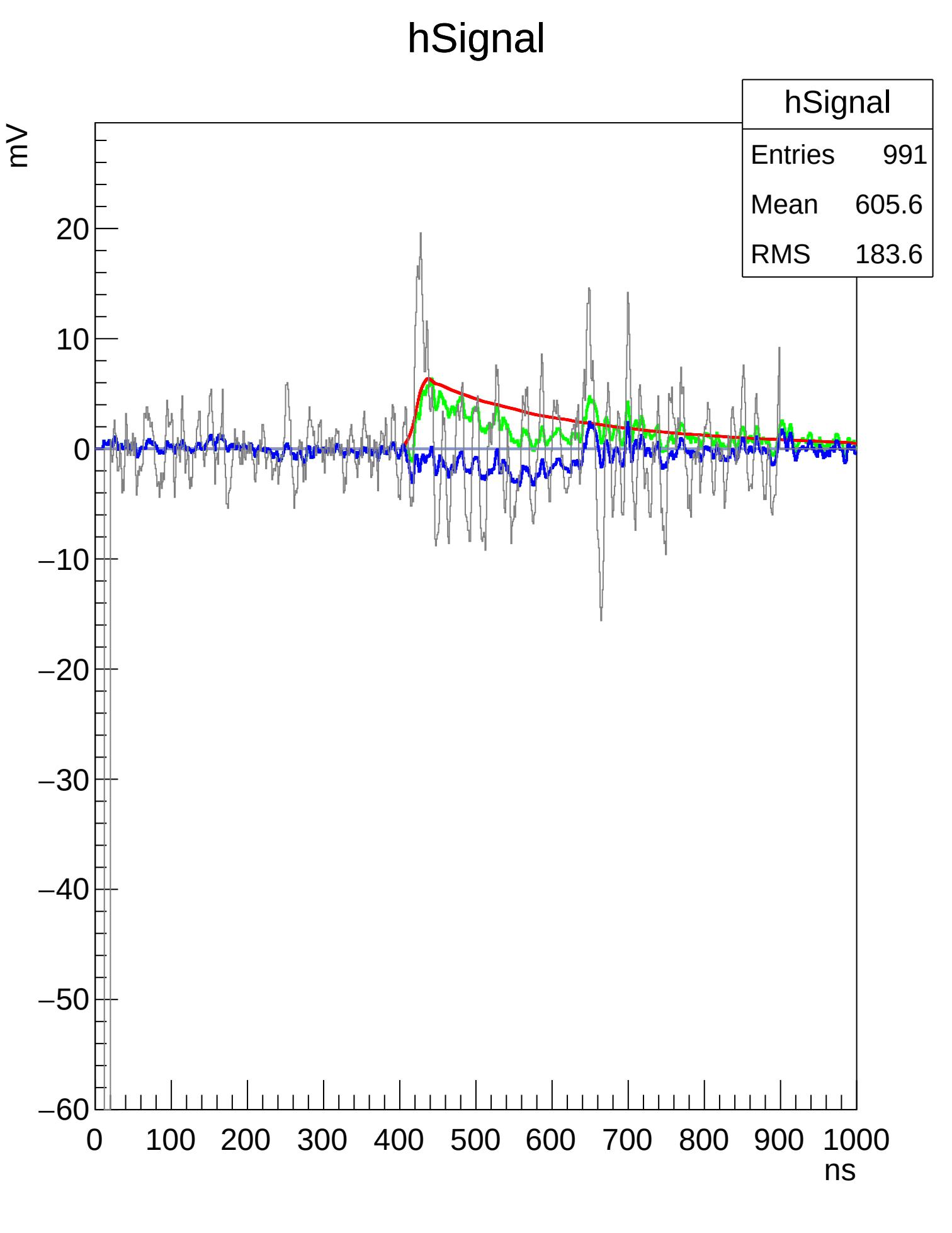
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.6
RMS 183.6
mV
20
10
0
−10
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−40
−50
−60
0
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400
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600
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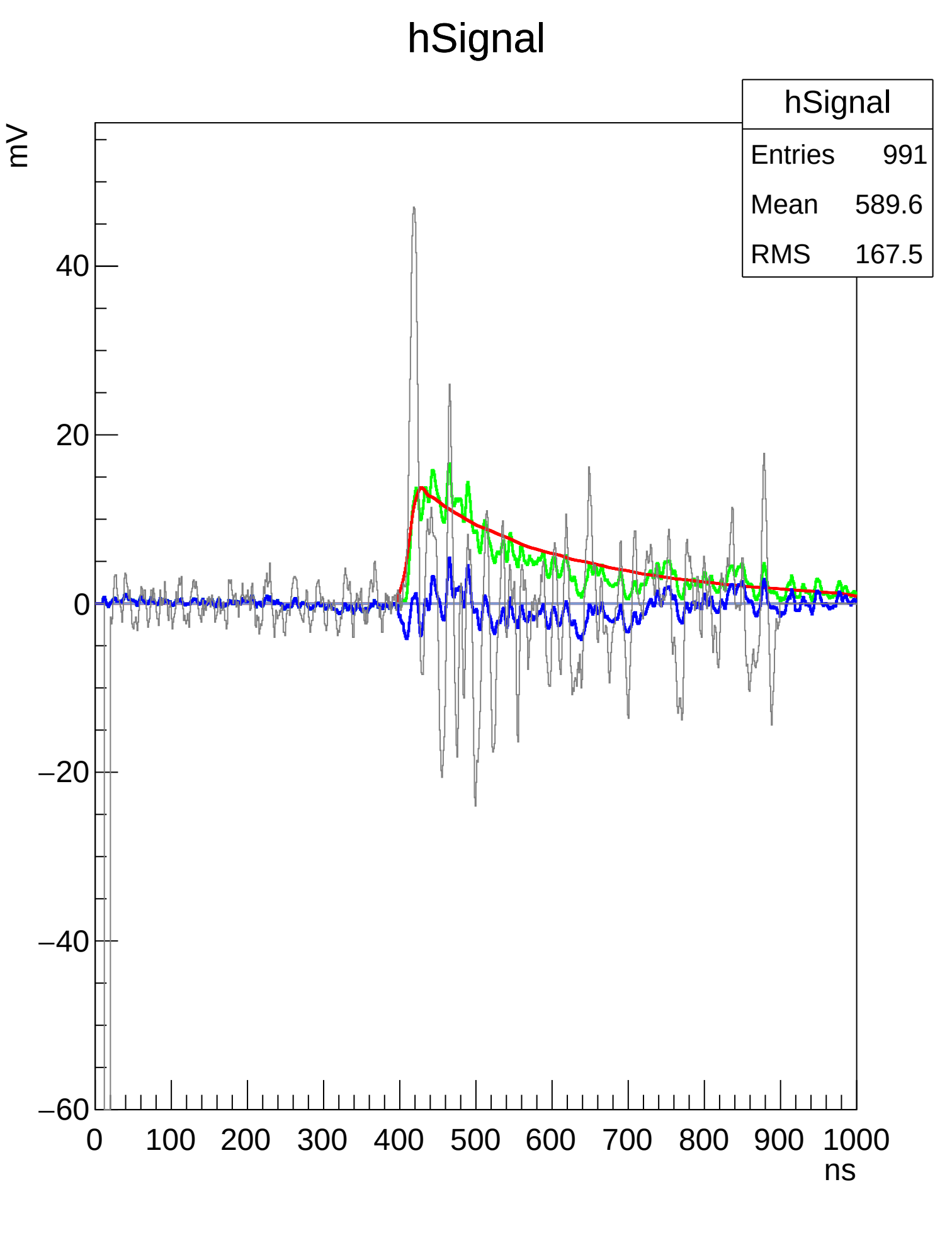
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.6
RMS 167.5
mV
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−40
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0
100
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400
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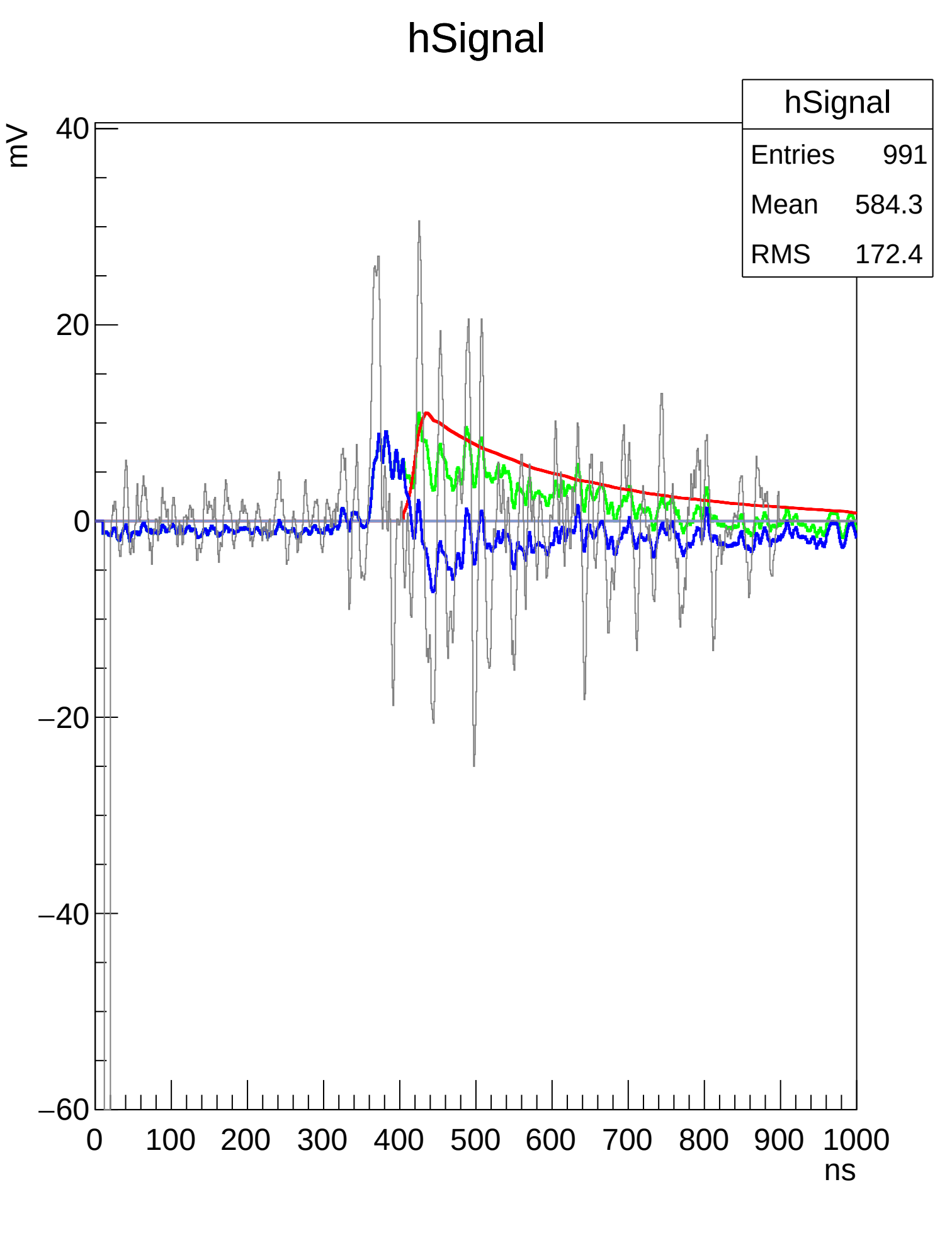
hSignal
hSignal
Entries 991
Mean 584.3
RMS 172.4
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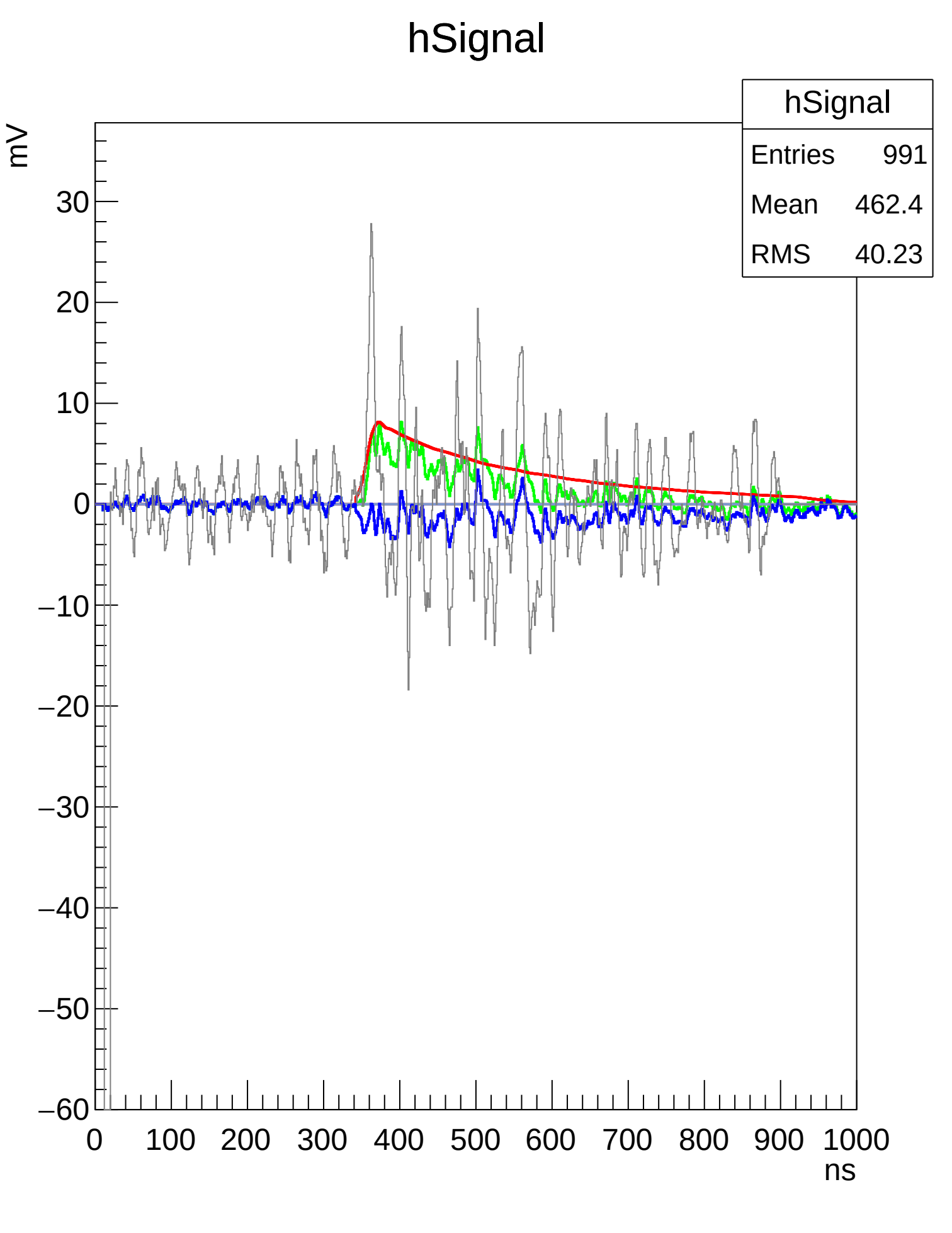
hSignal
hSignal
Entries 991
Mean 462.4
RMS 40.23
mV
30
20
10
0
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−40
−50
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0
100
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400
500
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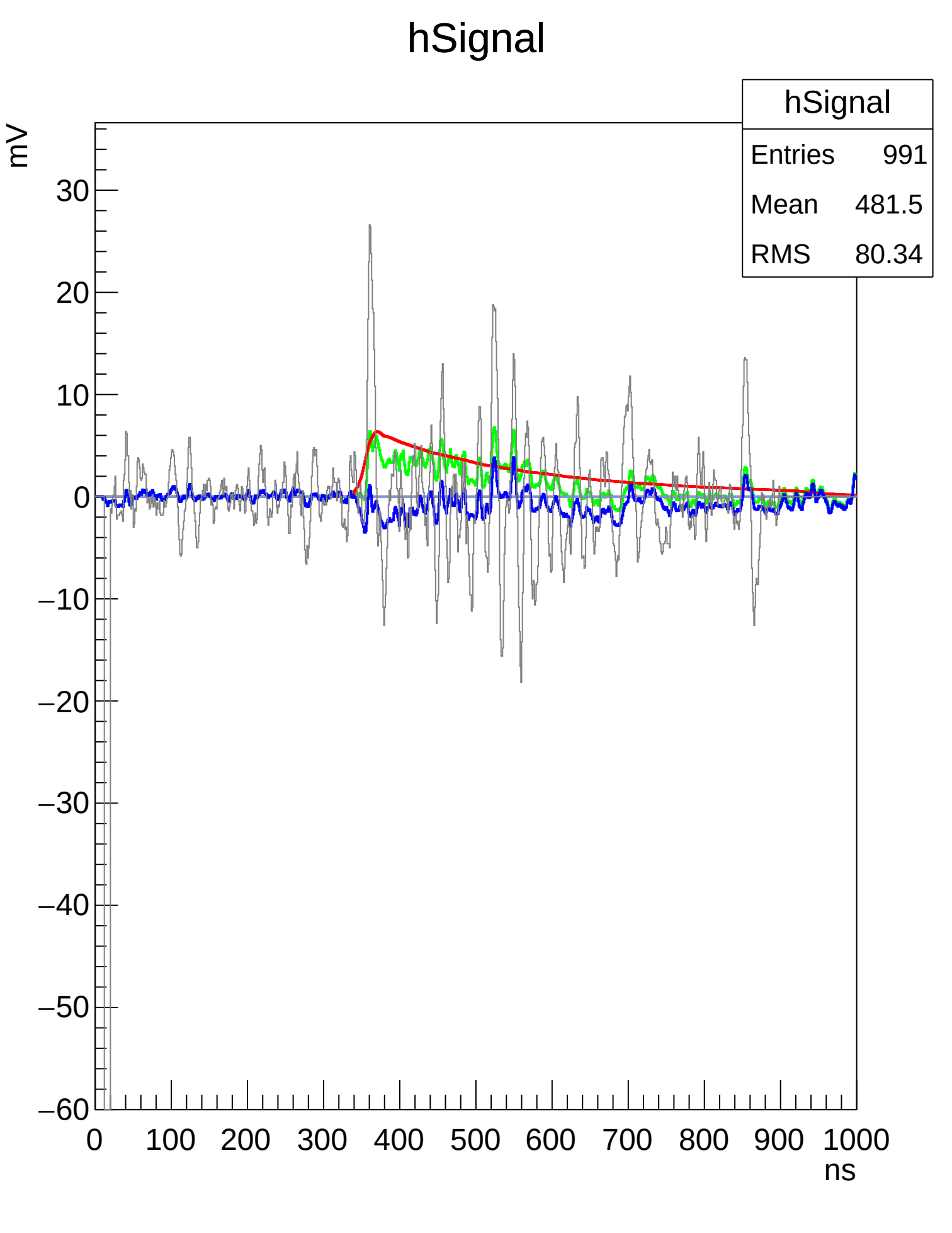
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 481.5
RMS 80.34
mV
30
20
10
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−50
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0
100
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400
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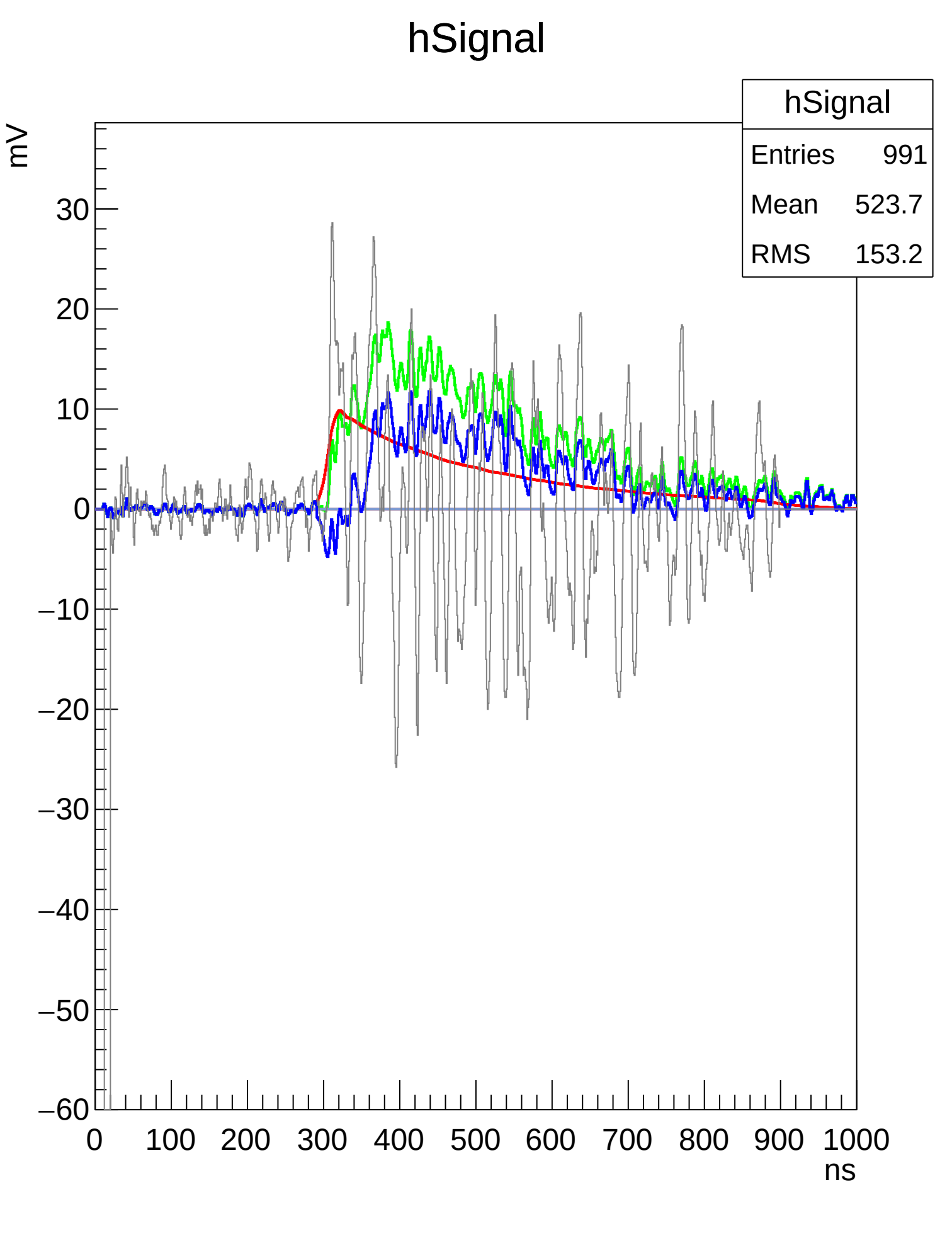
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.7
RMS 153.2
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
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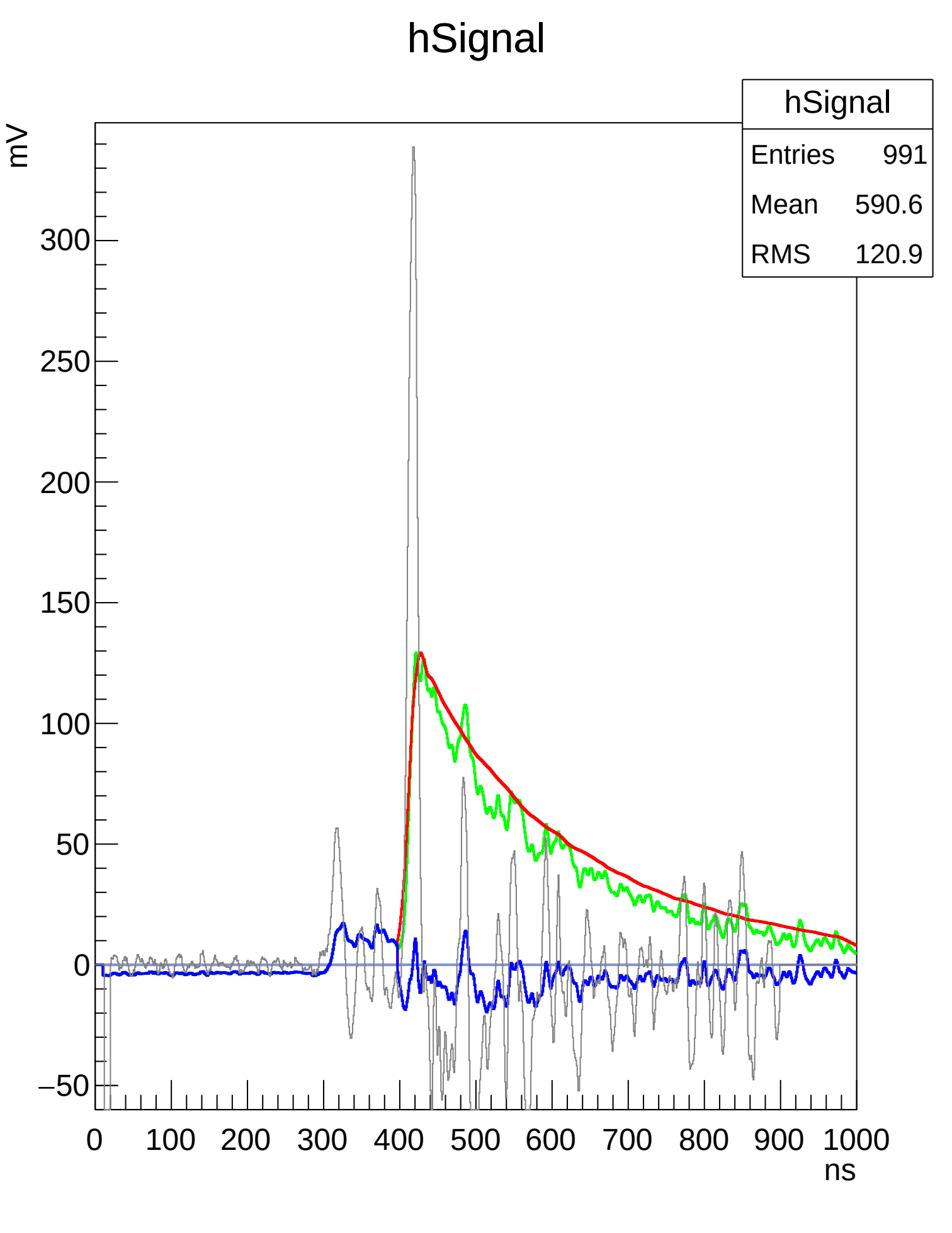
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.6
RMS 120.9
mV
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200
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100
50
0
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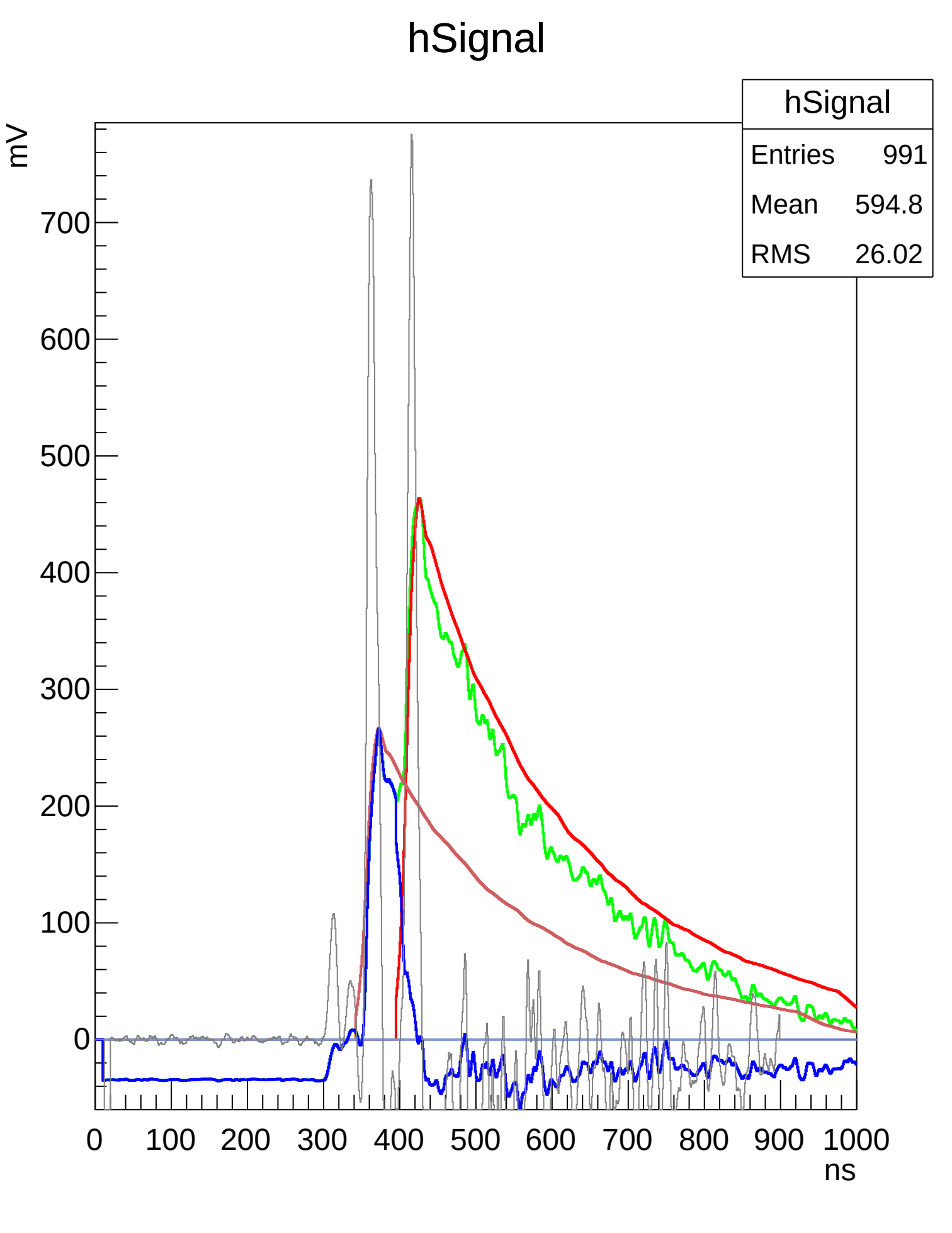
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.8
RMS 26.02
mV
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300
200
100
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200
300
400
500
600
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800
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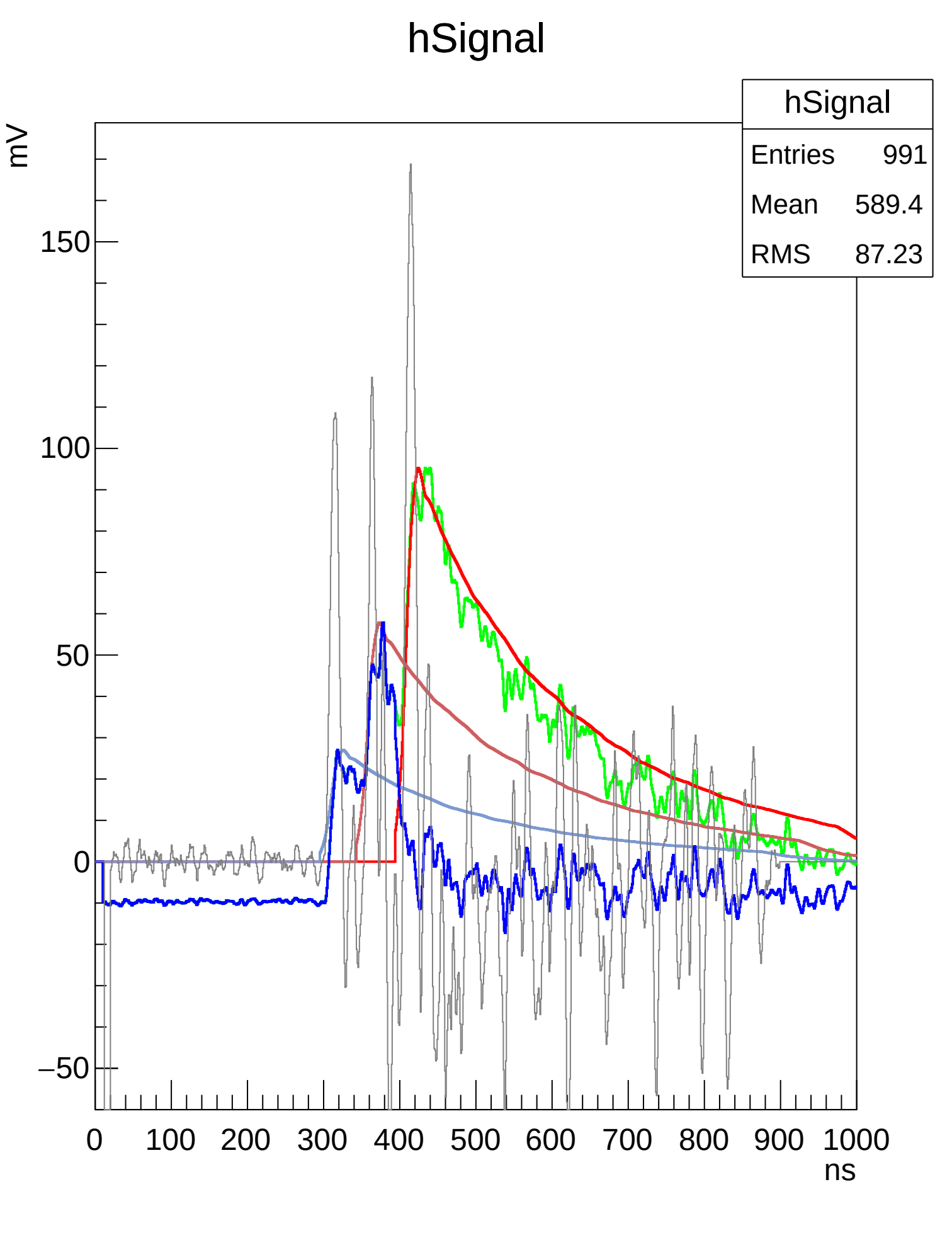
1000
ns


hSignal
hSignal
Entries 991
Mean 589.4
RMS 87.23
mV
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100
50
0
−50
0
100
200
300
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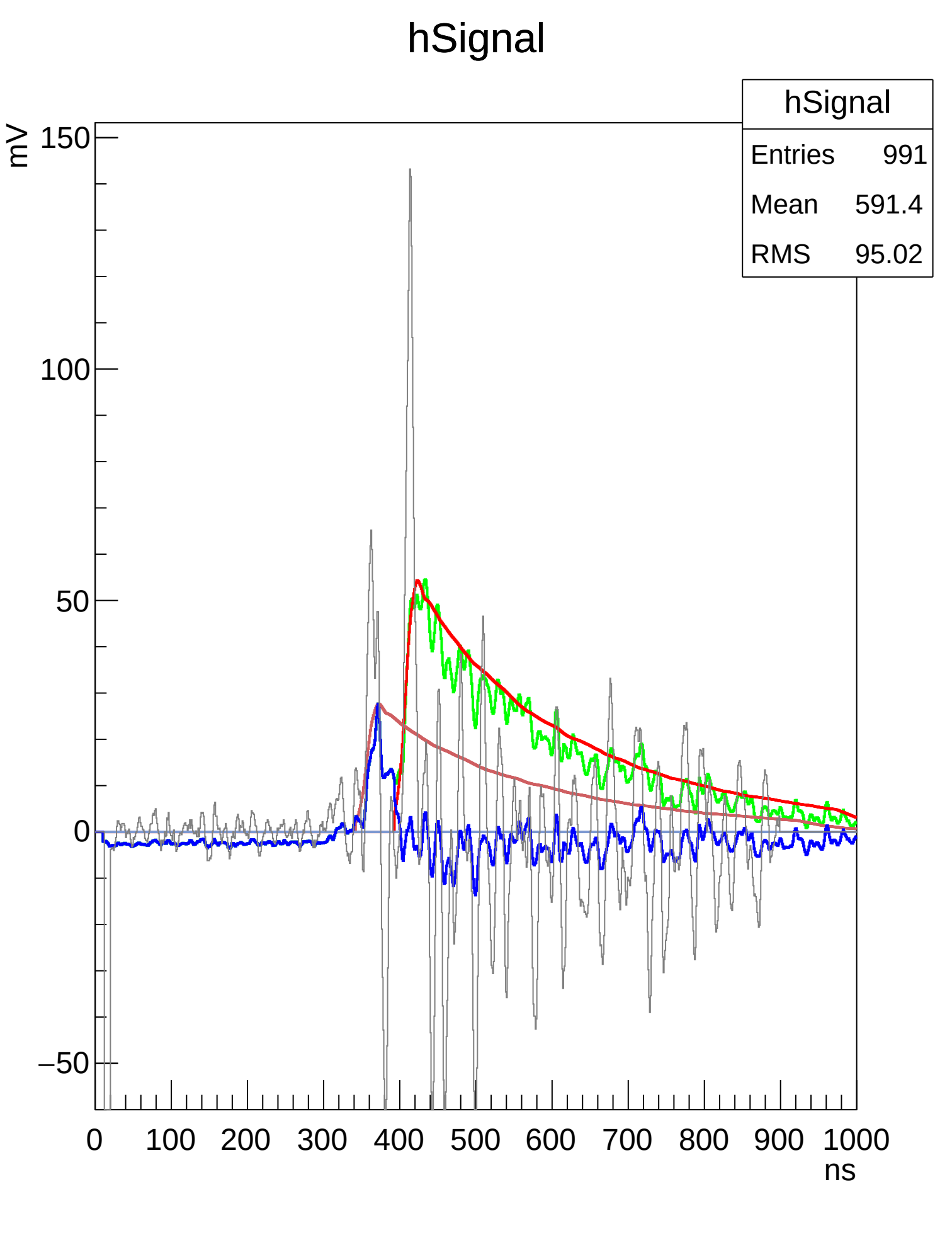
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.4
RMS 95.02
mV
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100
50
0
−50
0
100
200
300
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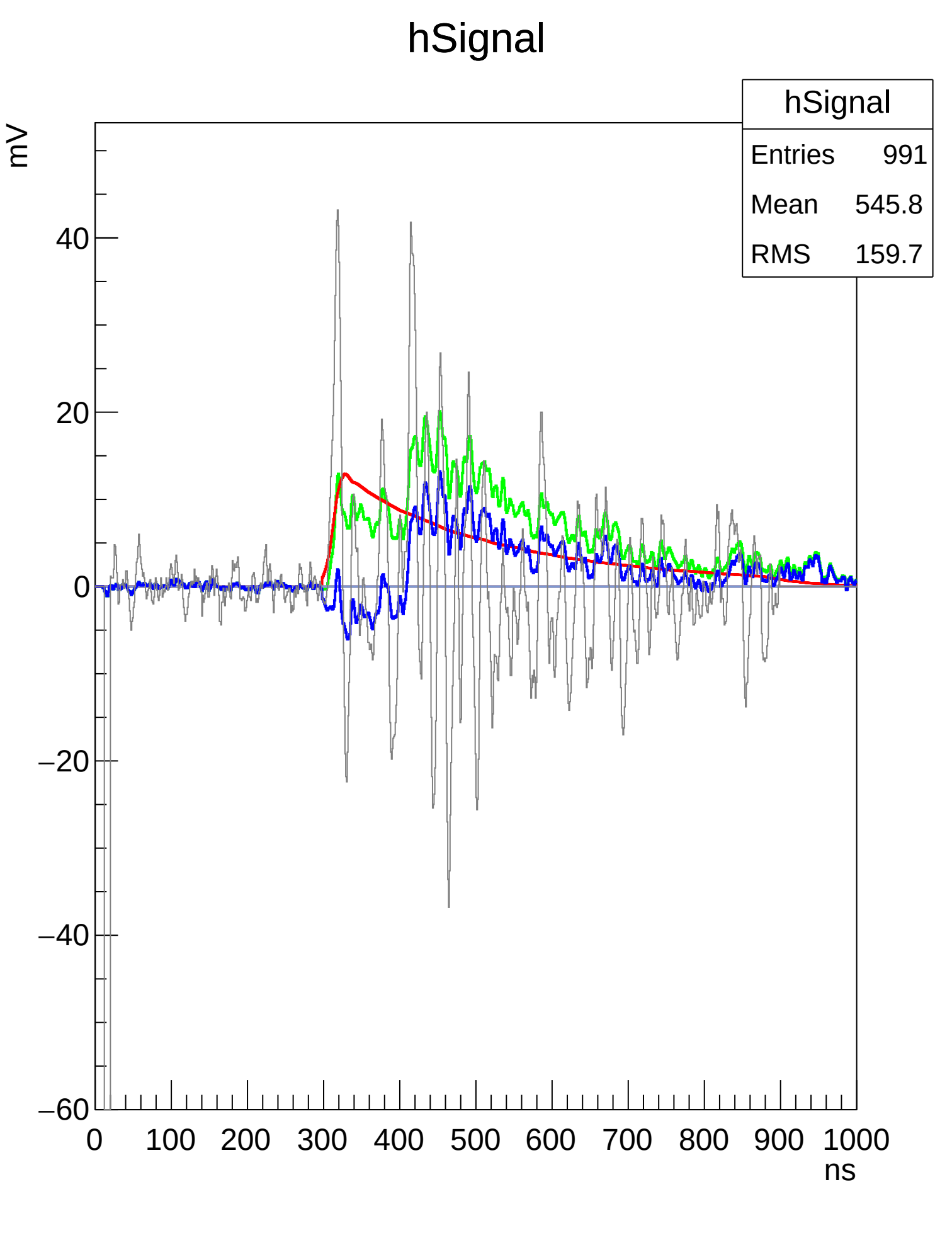
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.8
RMS 159.7
mV
40
20
0
−20
−40
−60
0
100
200
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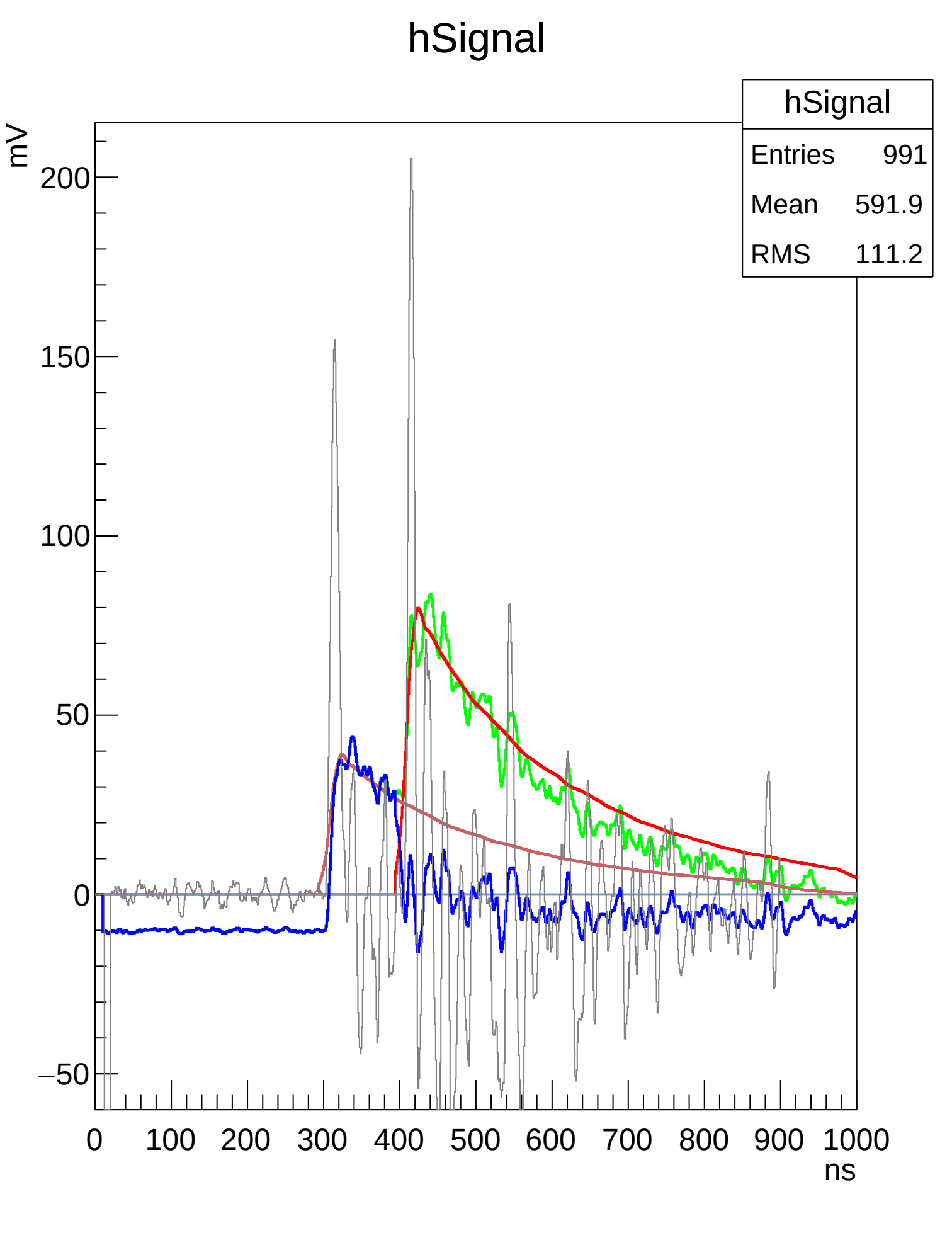
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.9
RMS 111.2
mV
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100
50
0
−50
0
100
200
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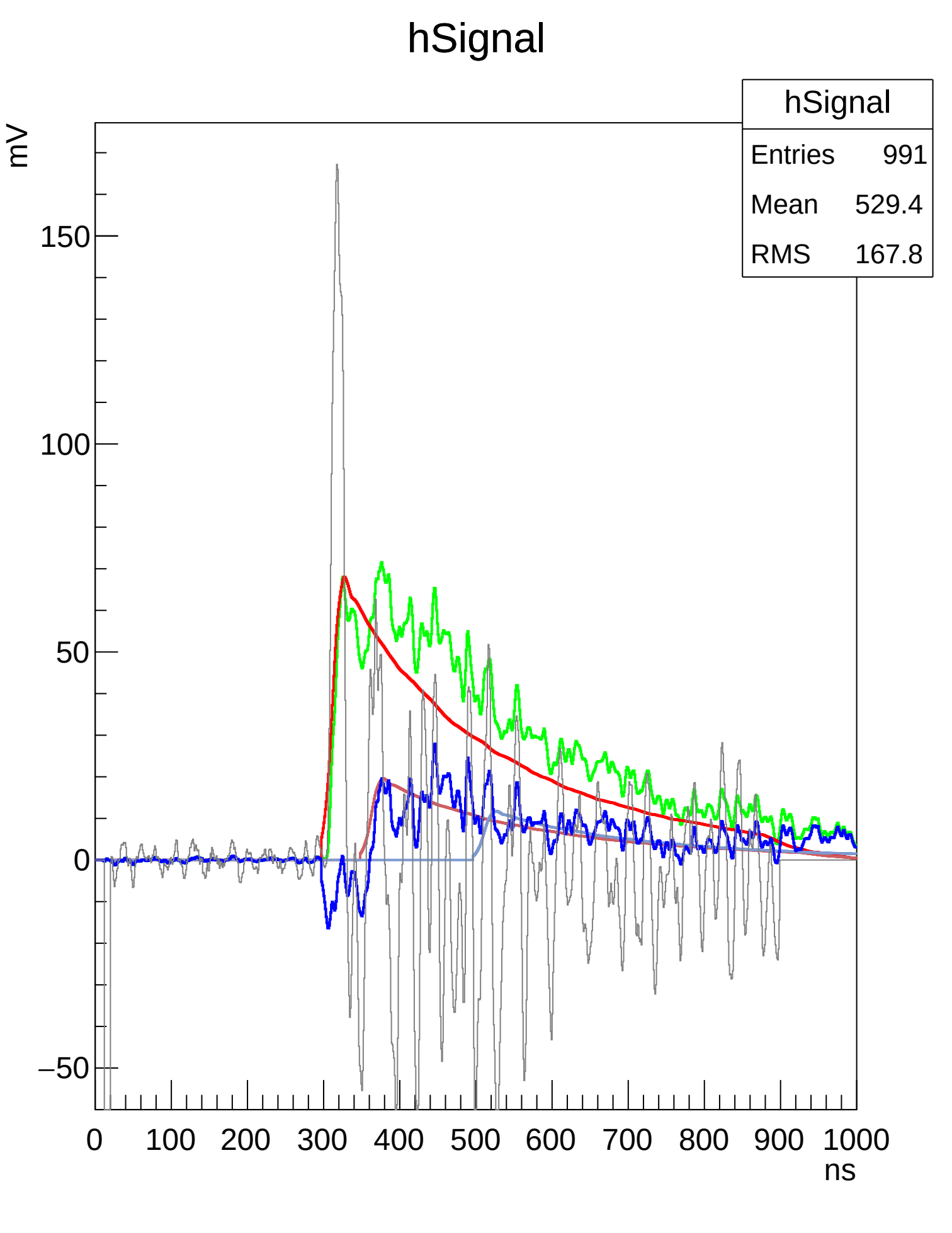
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.4
RMS 167.8
mV
150
100
50
0
−50
0
100
200
300
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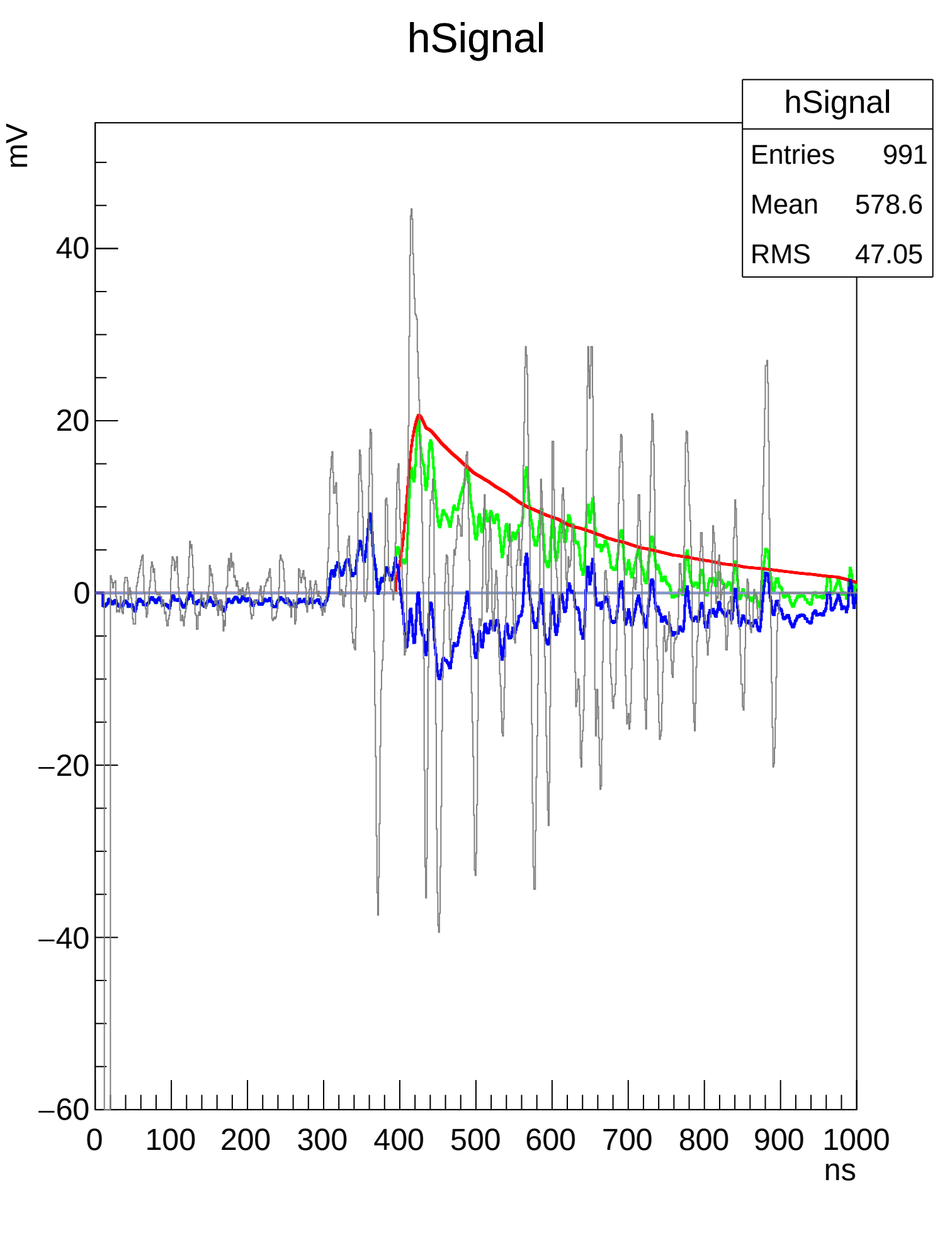
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.6
RMS 47.05
mV
40
20
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−20
−40
−60
0
100
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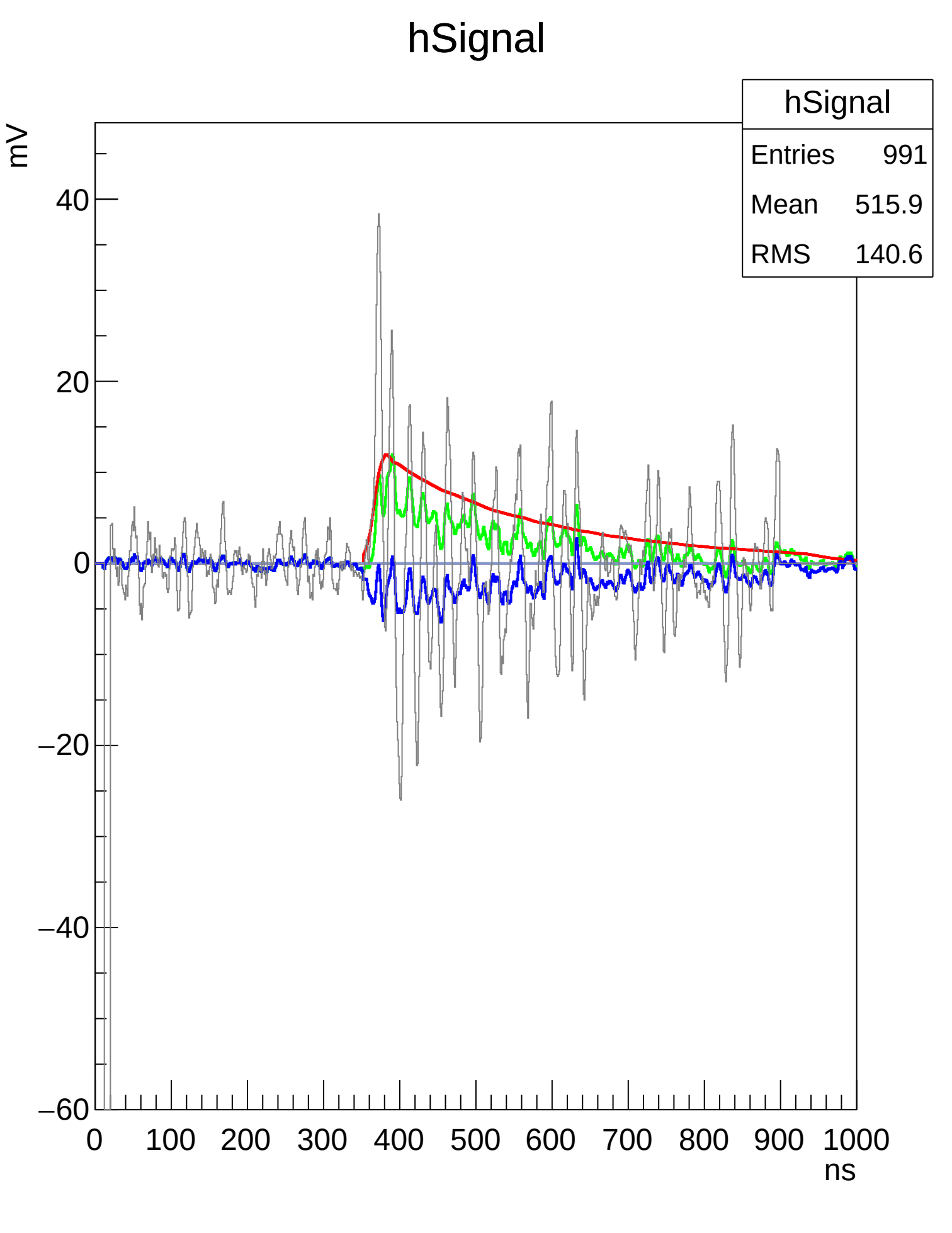
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.9
RMS 140.6
mV
40
20
0
−20
−40
−60
0
100
200
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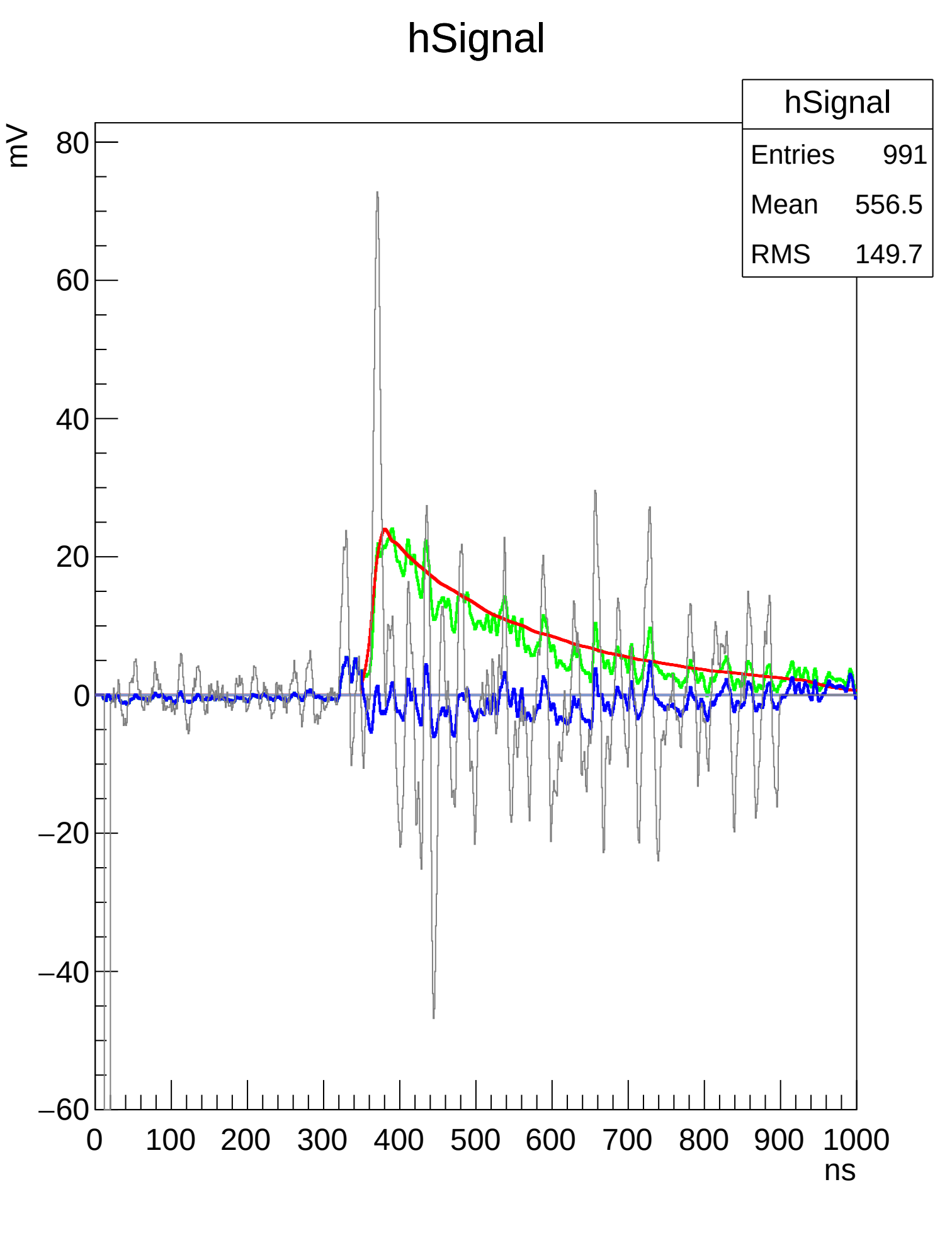
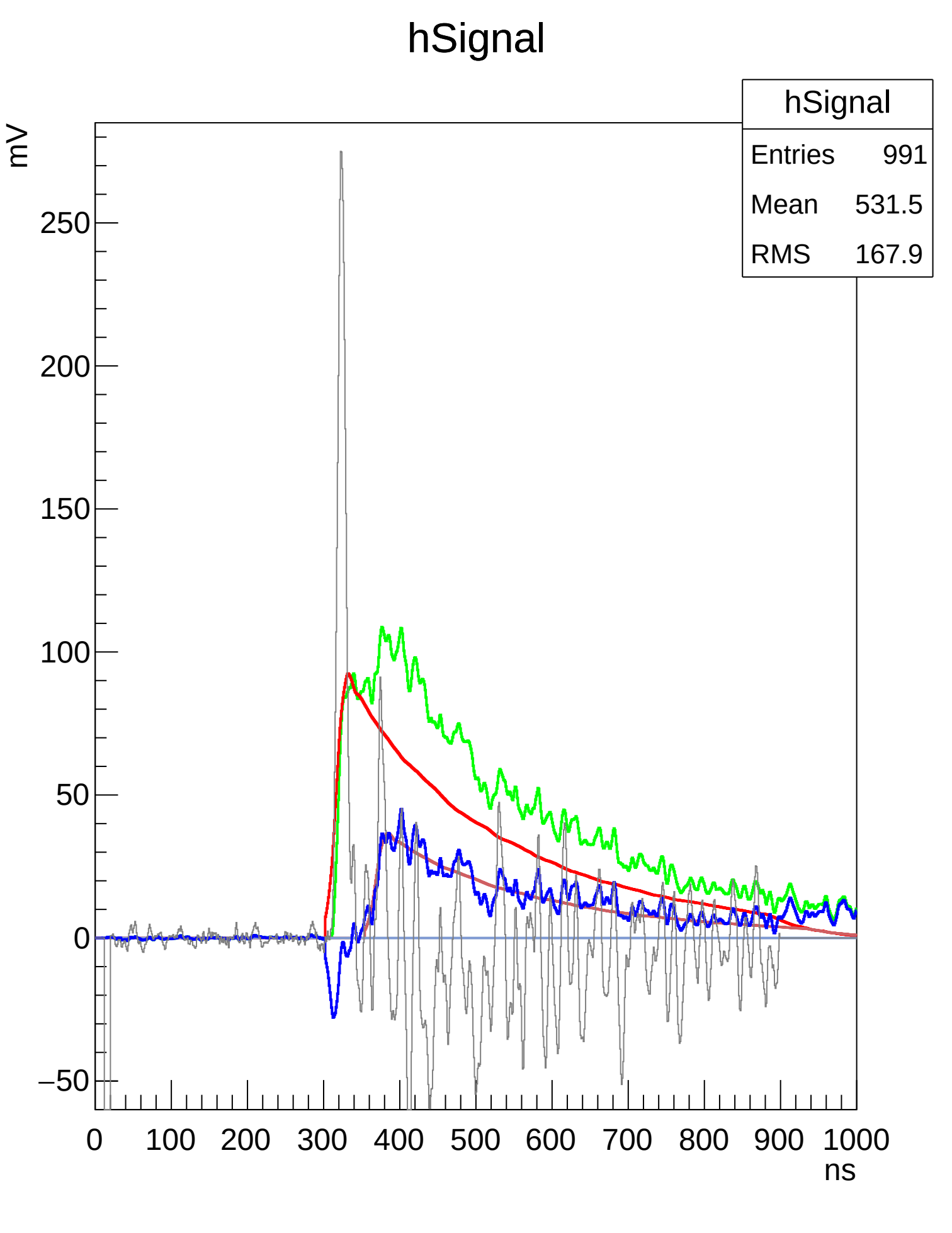
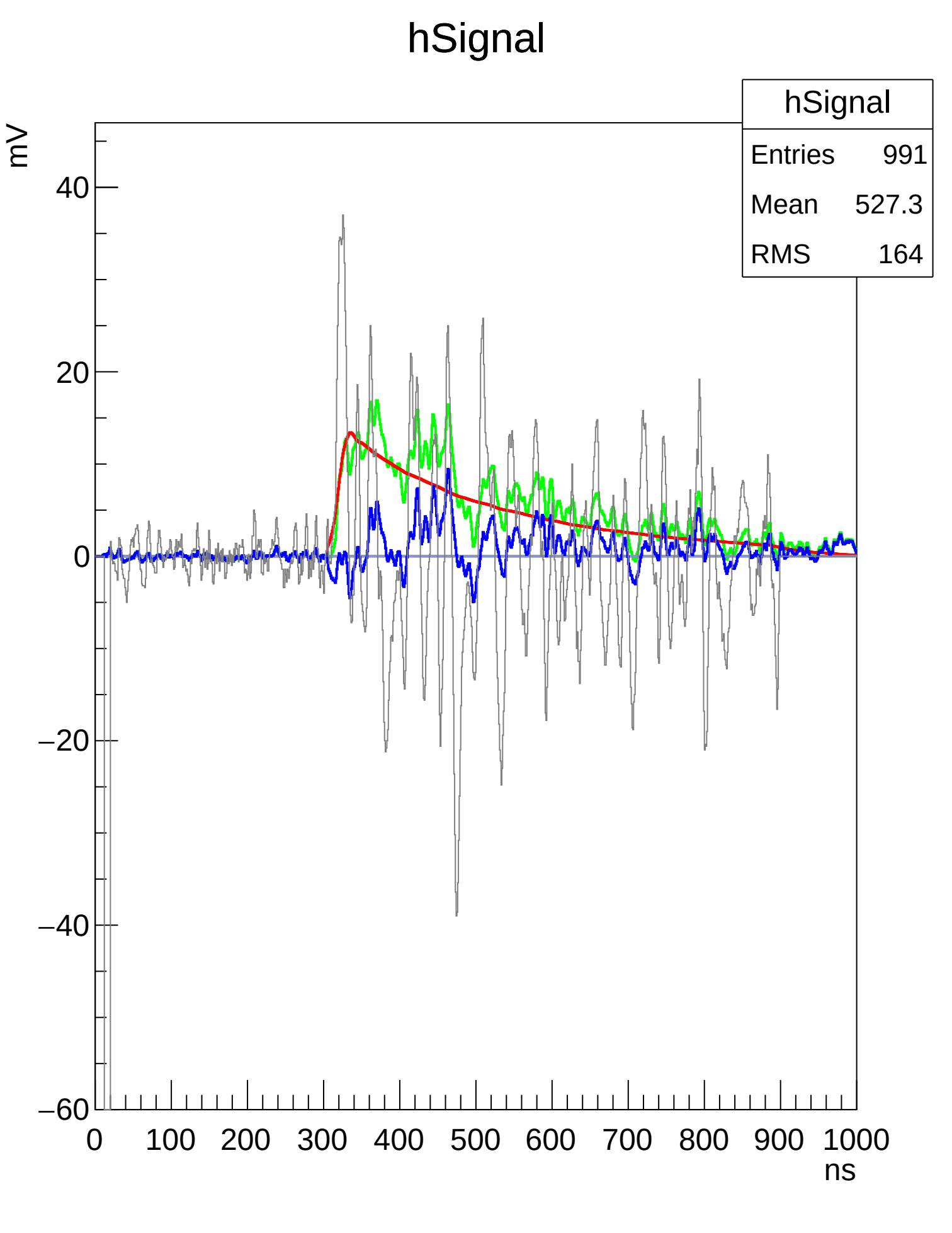
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.5
RMS 149.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.5
RMS 167.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.3
RMS 164
mV
40
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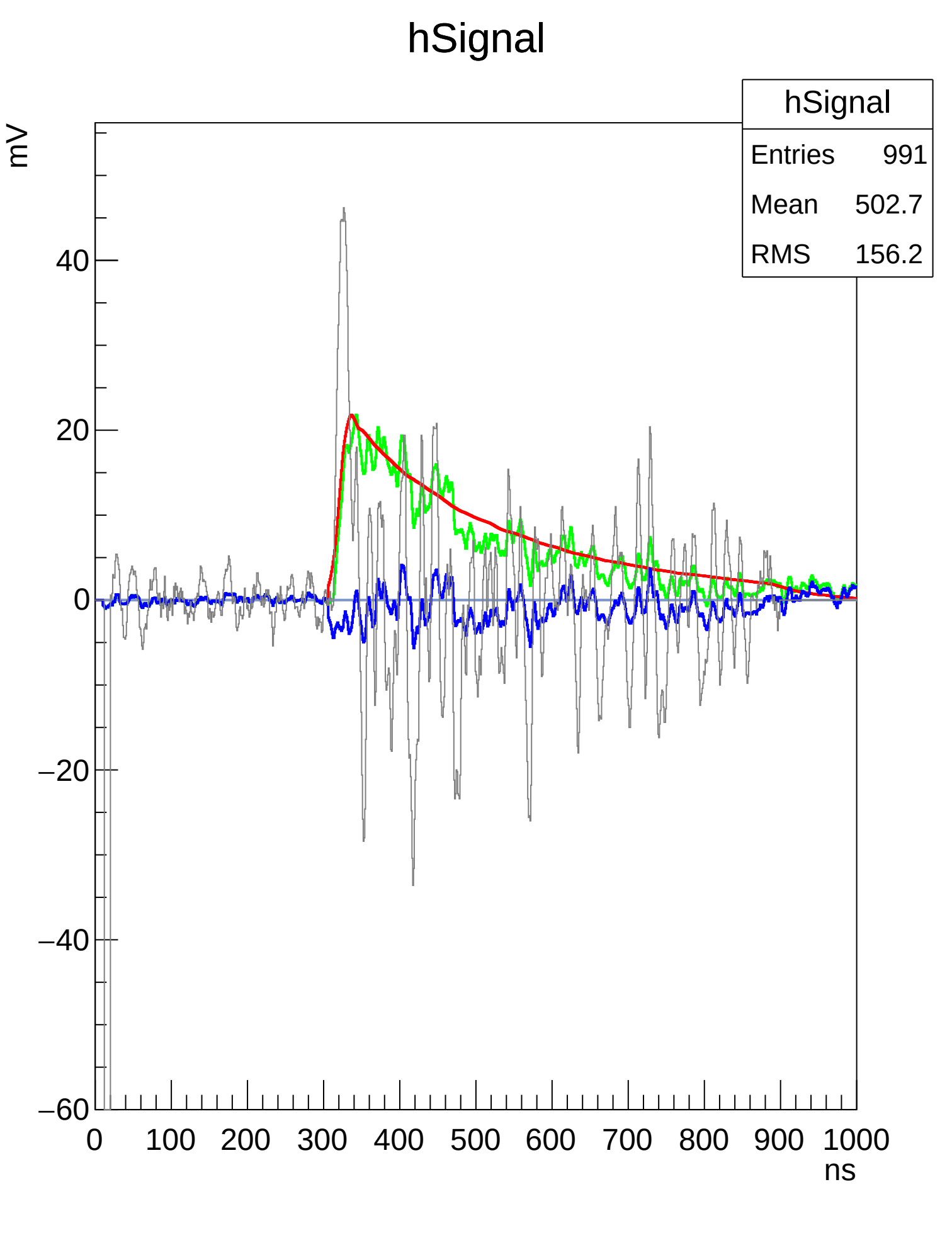
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.7
RMS 156.2
mV
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−20
−40
−60
0
100
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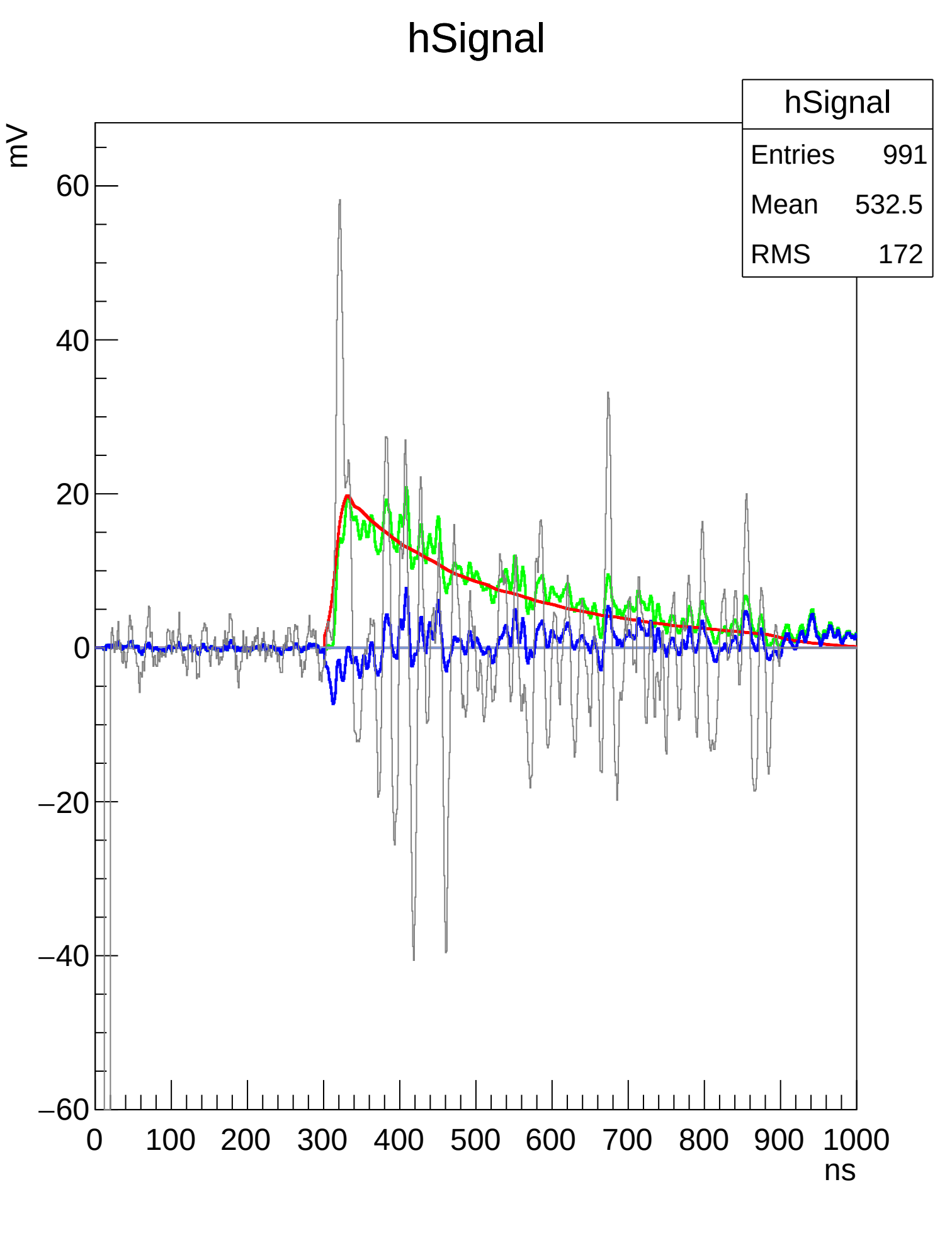
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.5
RMS 172
mV
60
40
20
0
−20
−40
−60
0
100
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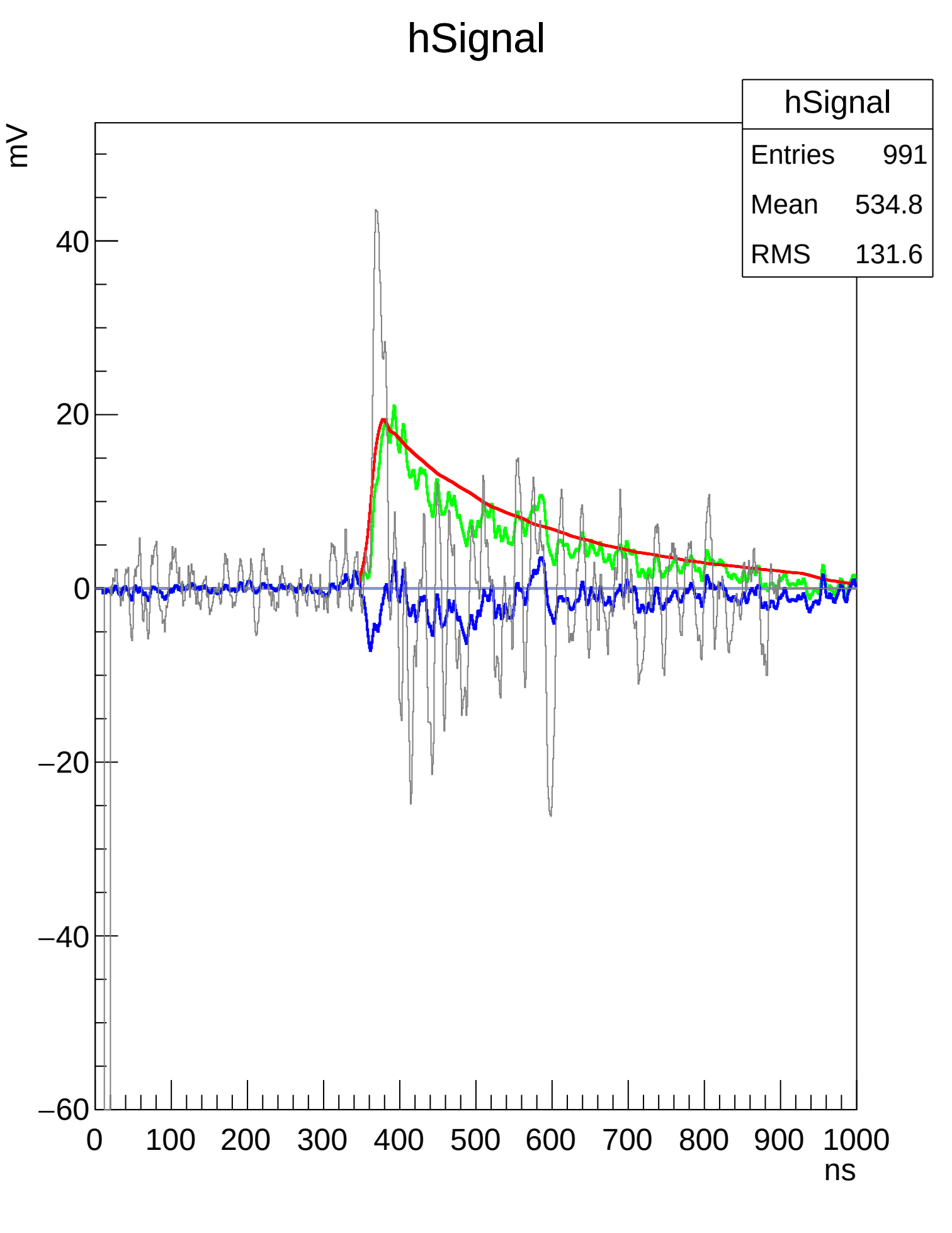
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.8
RMS 131.6
mV
40
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−20
−40
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0
100
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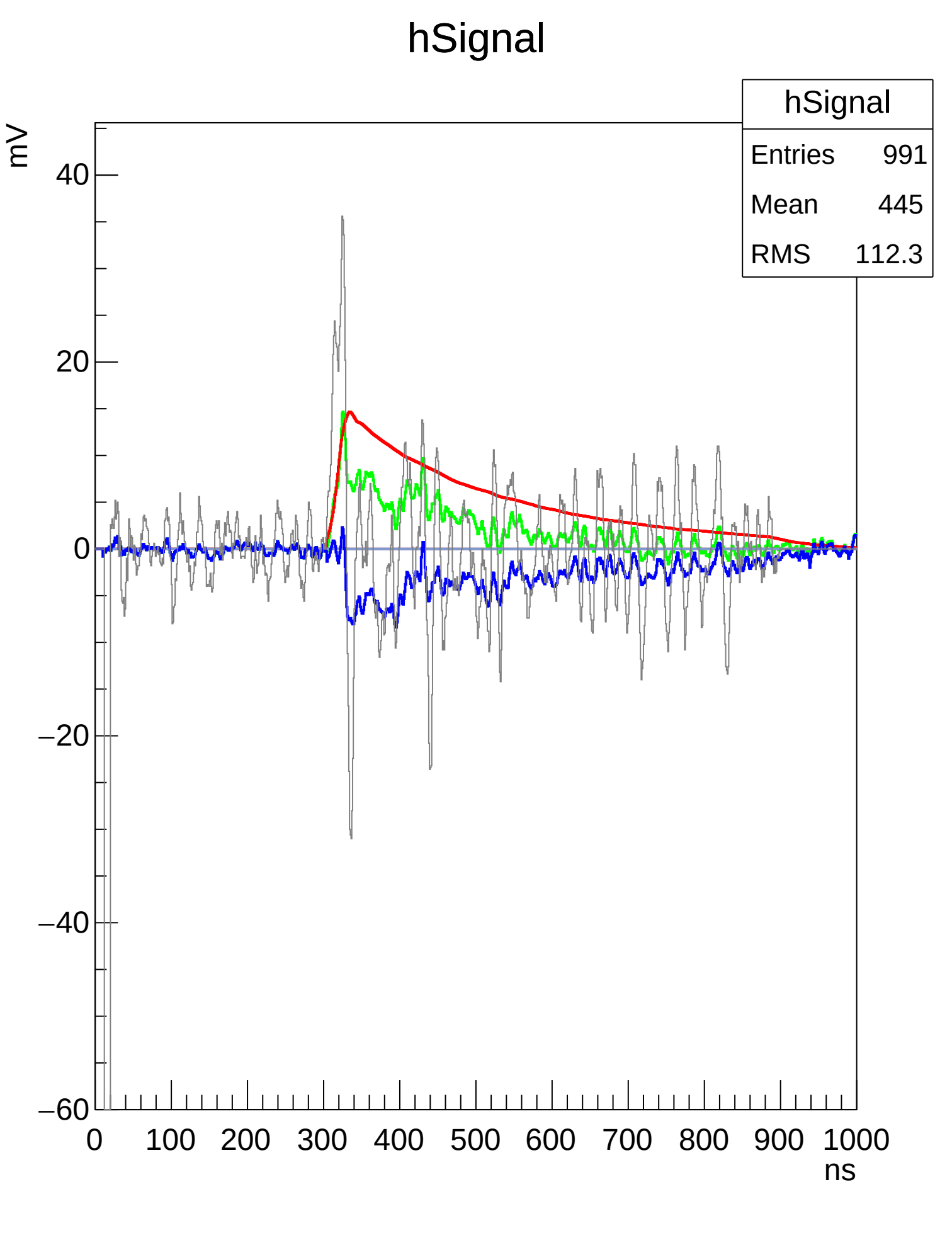
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 445
RMS 112.3
mV
40
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−20
−40
−60
0
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200
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400
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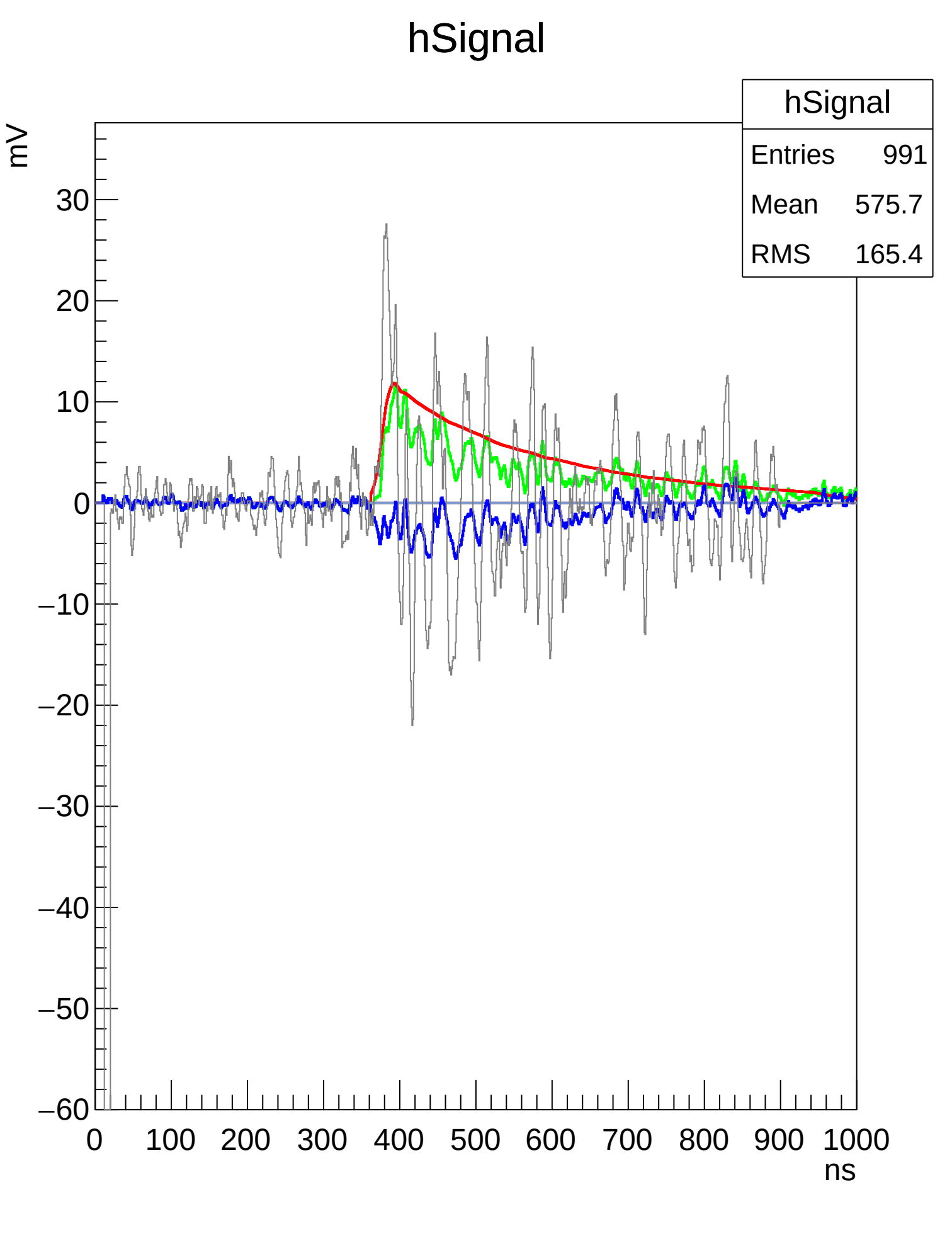
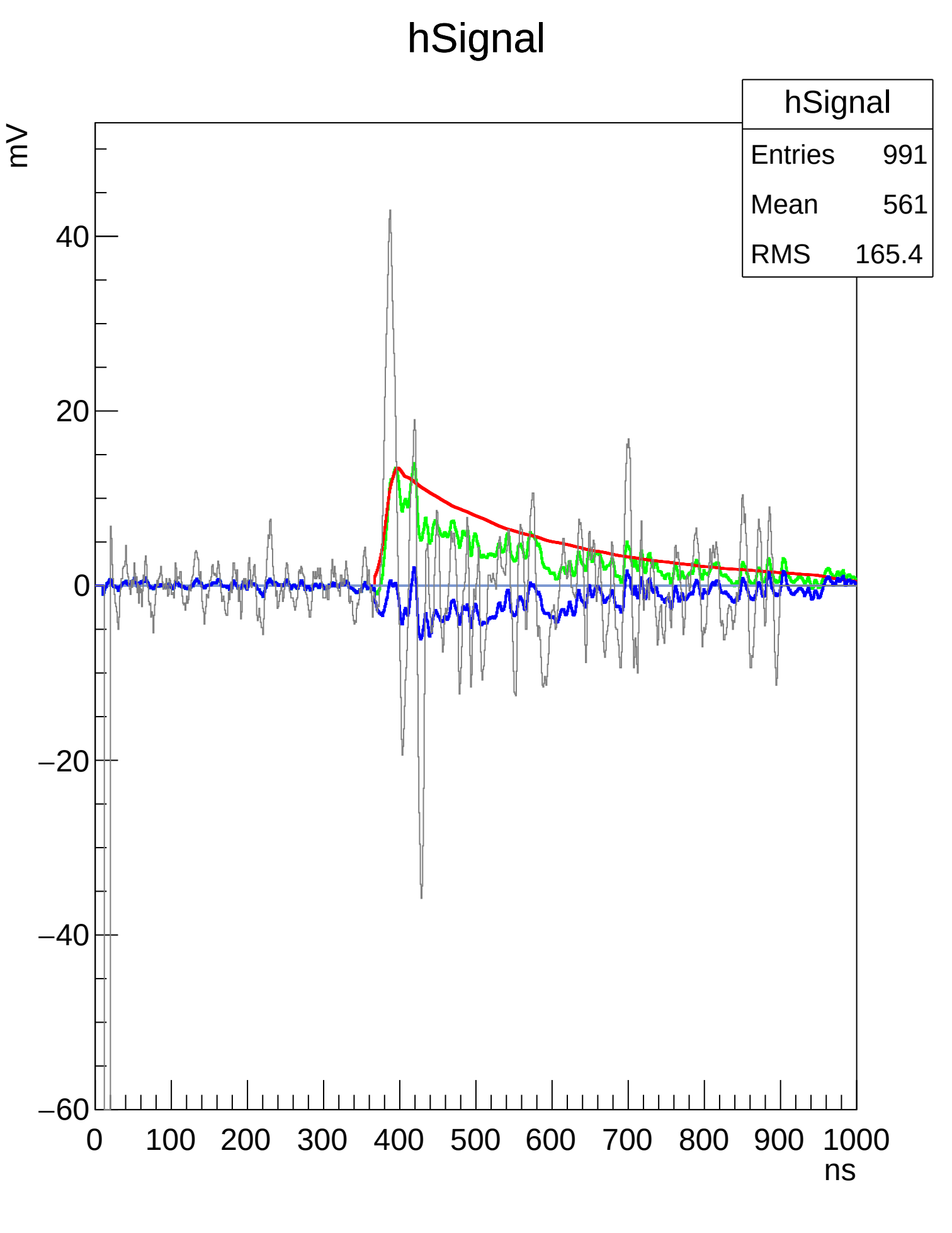
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.7
RMS 165.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561
RMS 165.4
mV
40
20
0
−20
−40
−60
0
100
200
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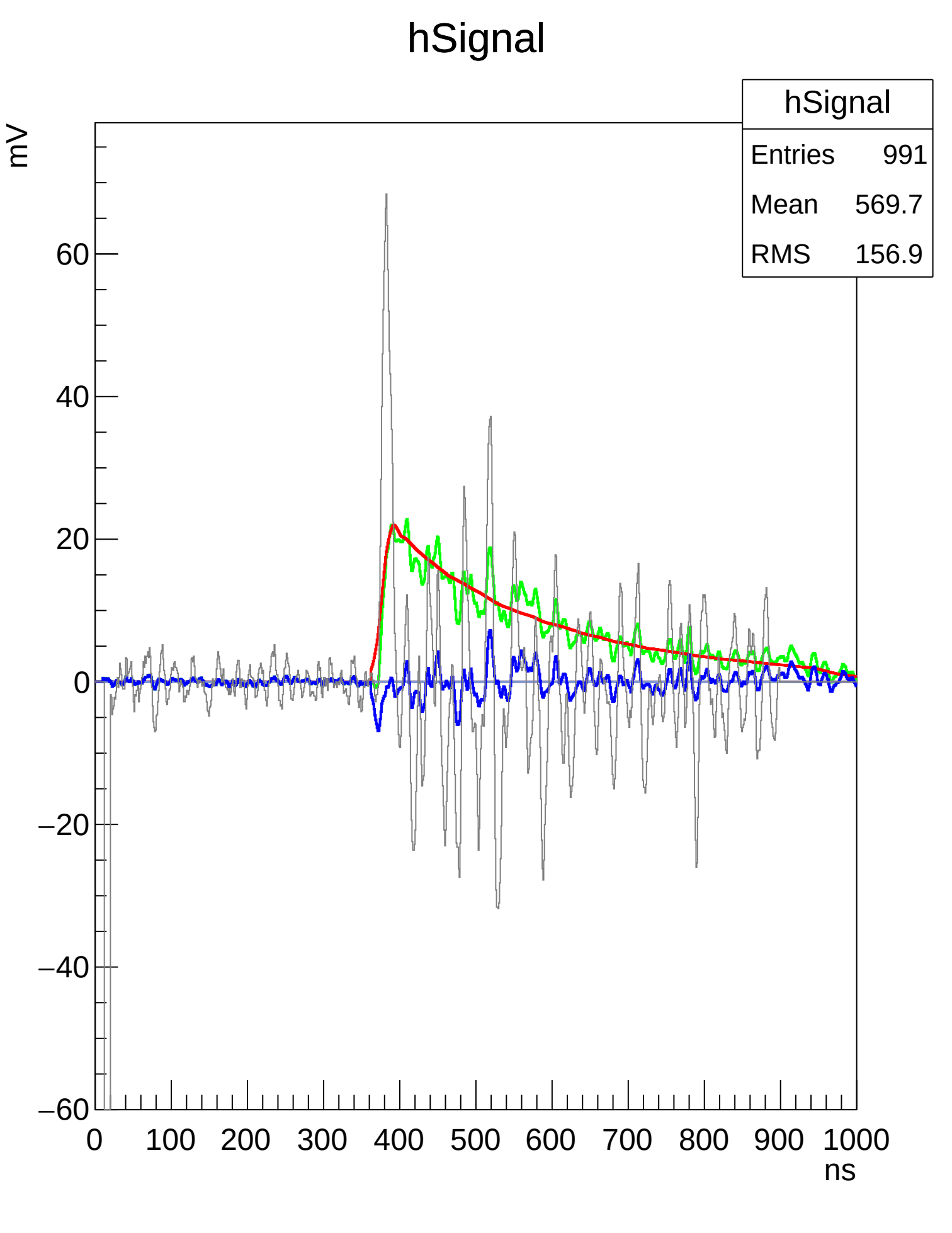
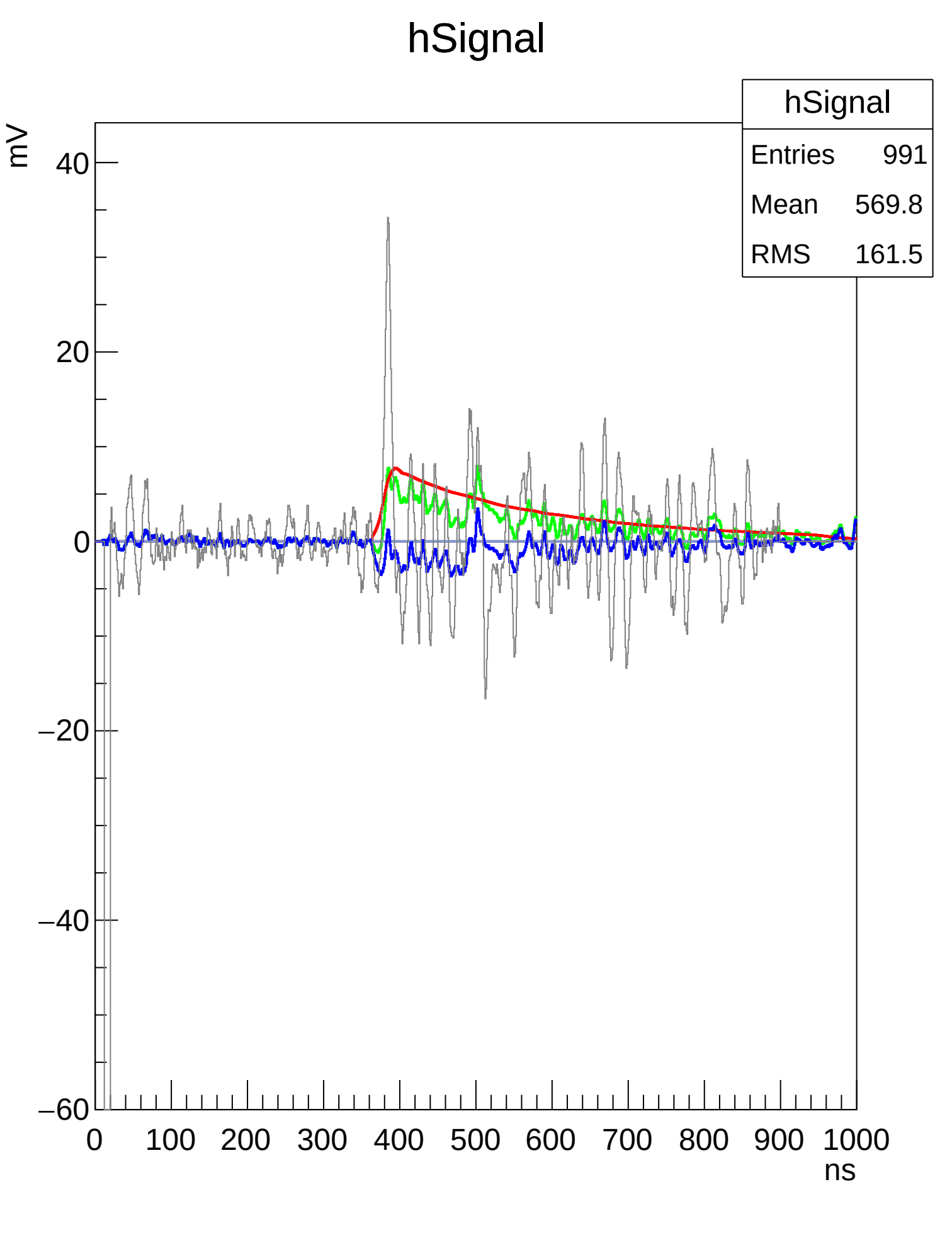
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.7
RMS 156.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.8
RMS 161.5
mV
40
20
0
−20
−40
−60
0
100
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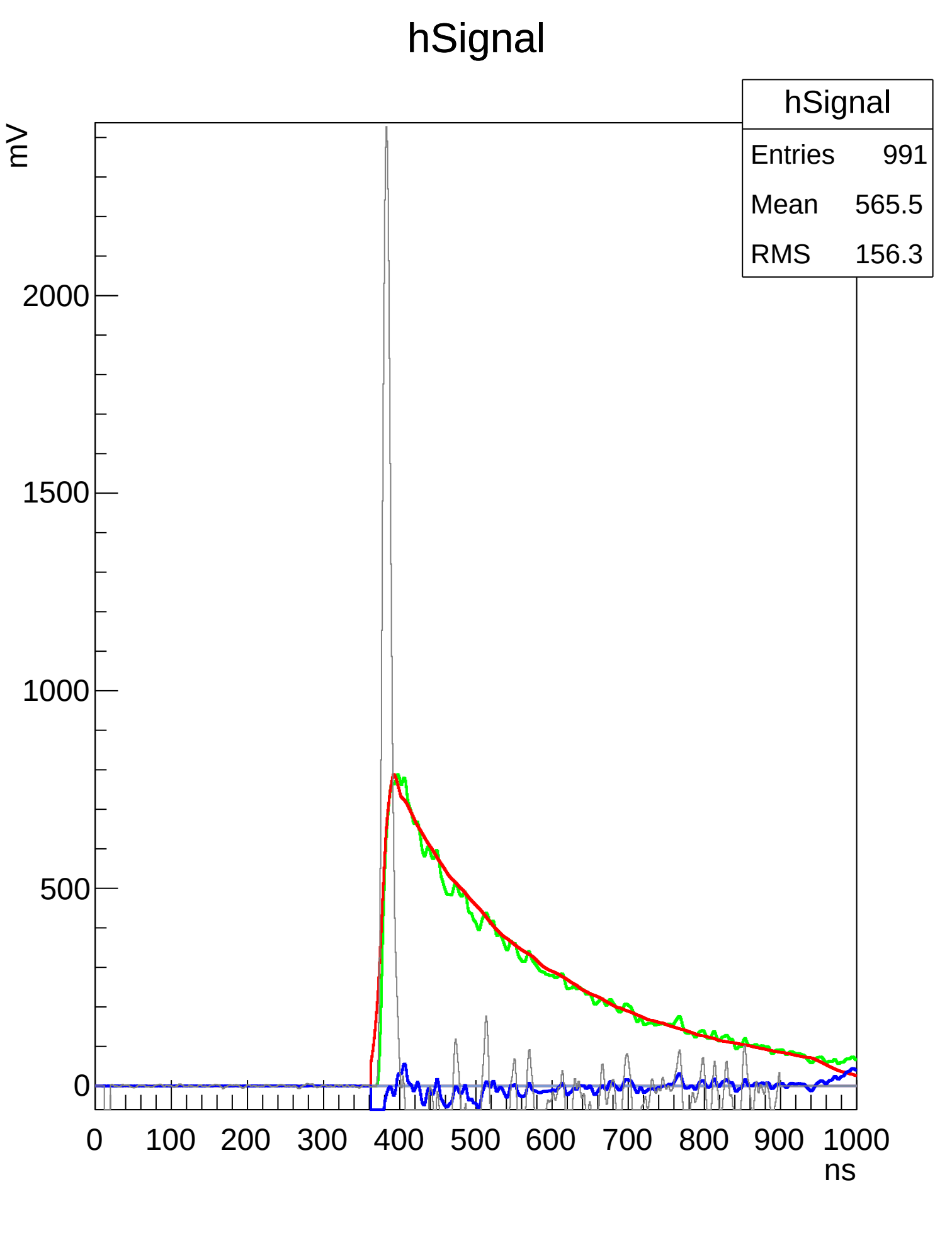
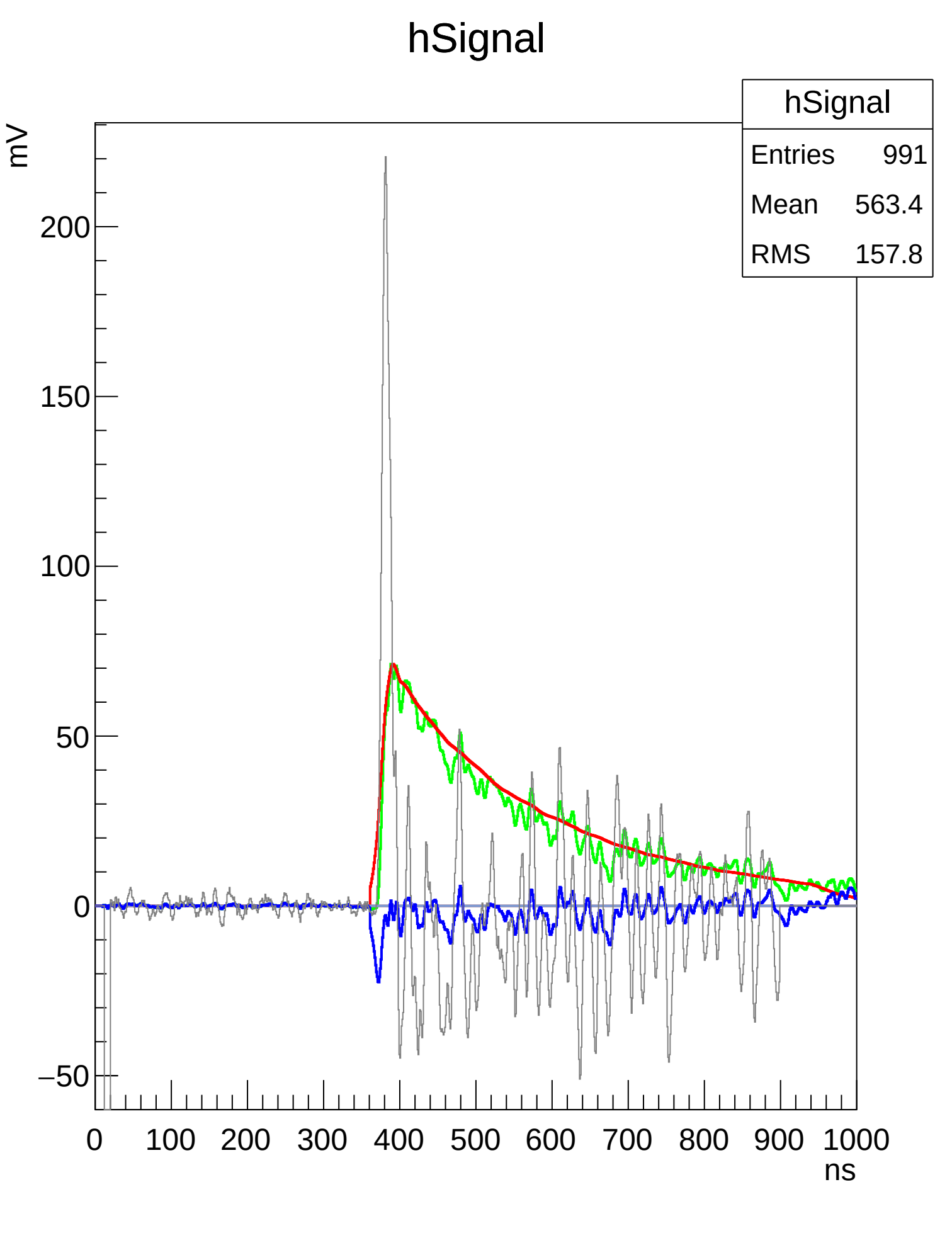
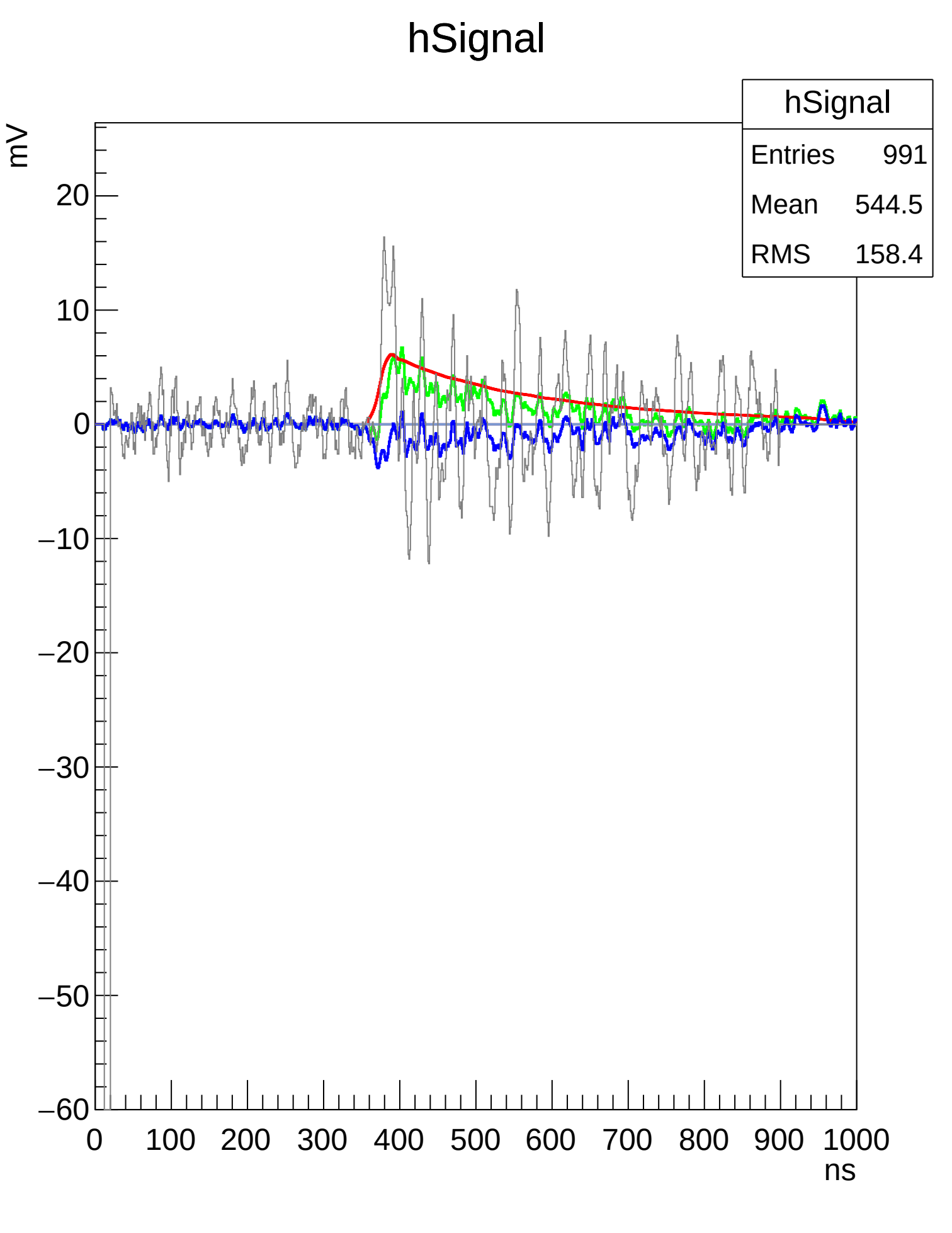
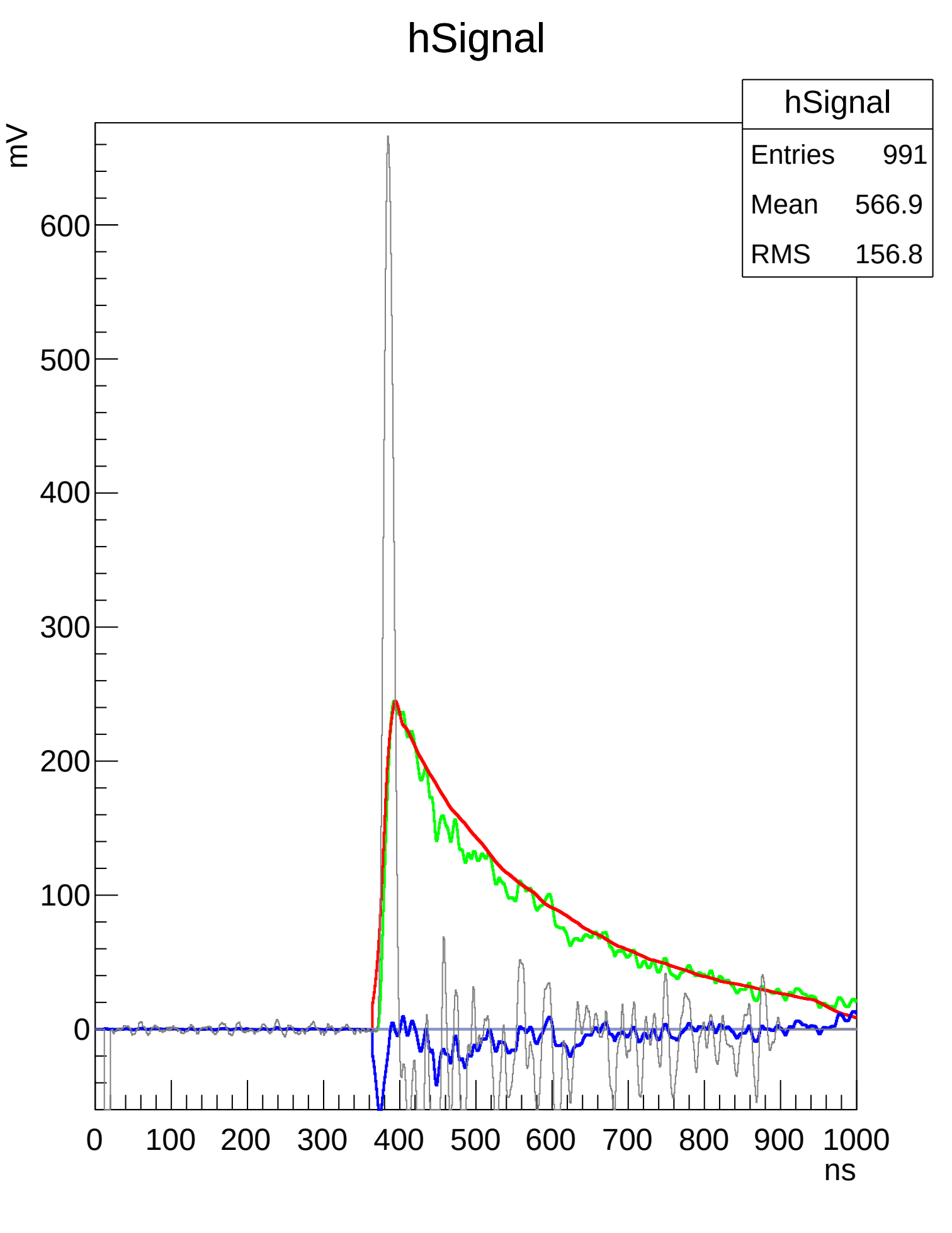
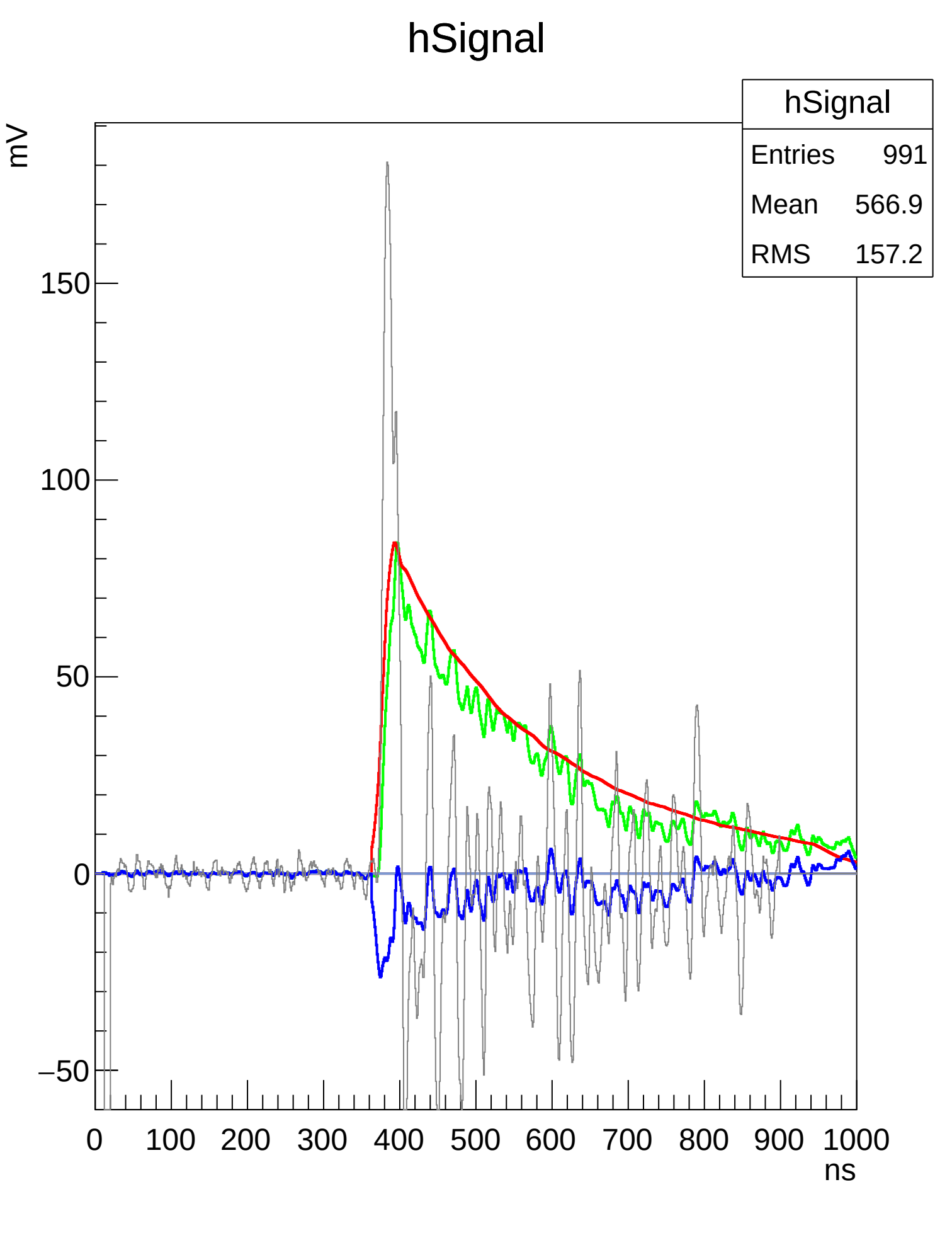
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.5
RMS 156.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 563.4
RMS 157.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.5
RMS 158.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 156.8
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 157.2
mV
150
100
50
0
−50
0
100
200
300
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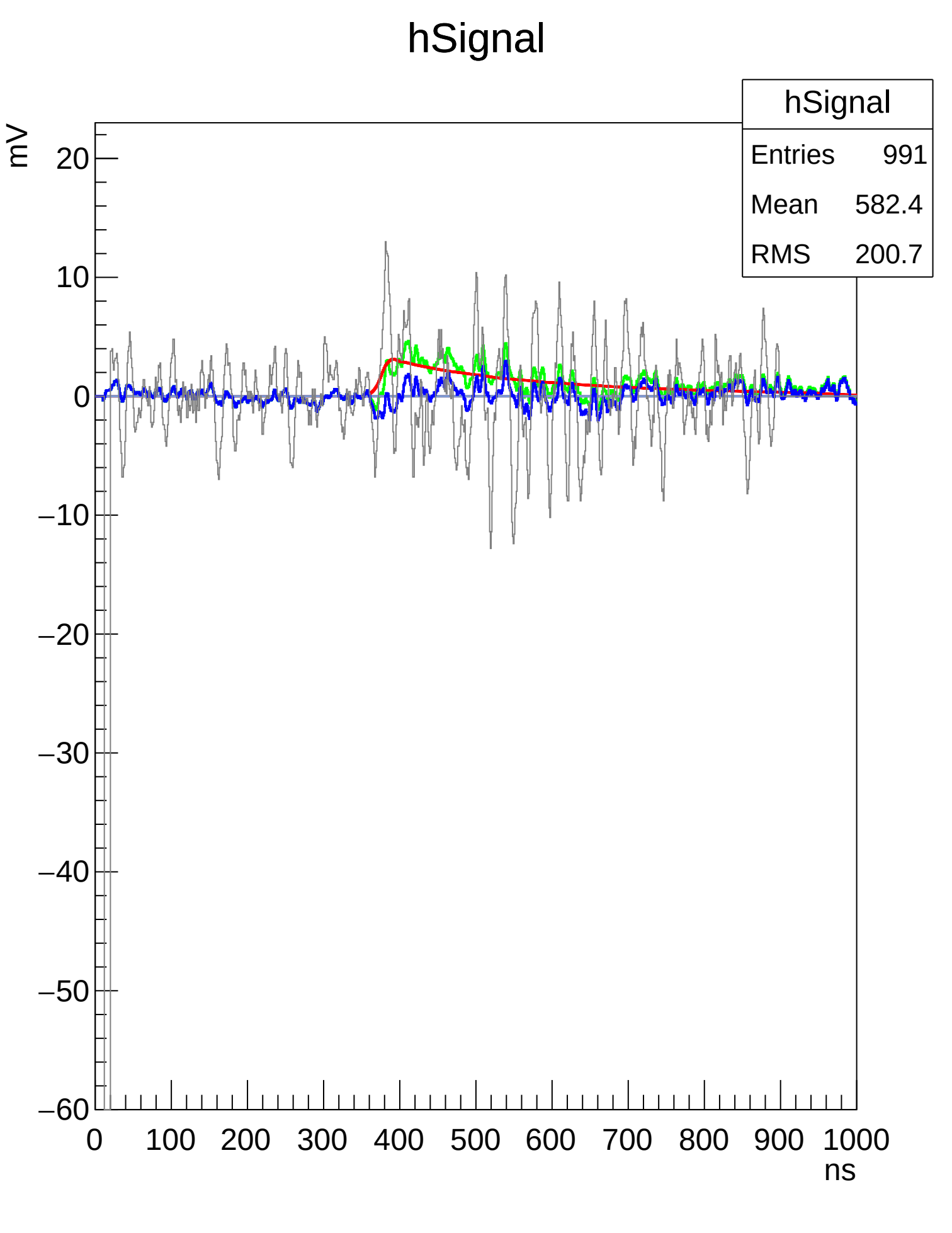
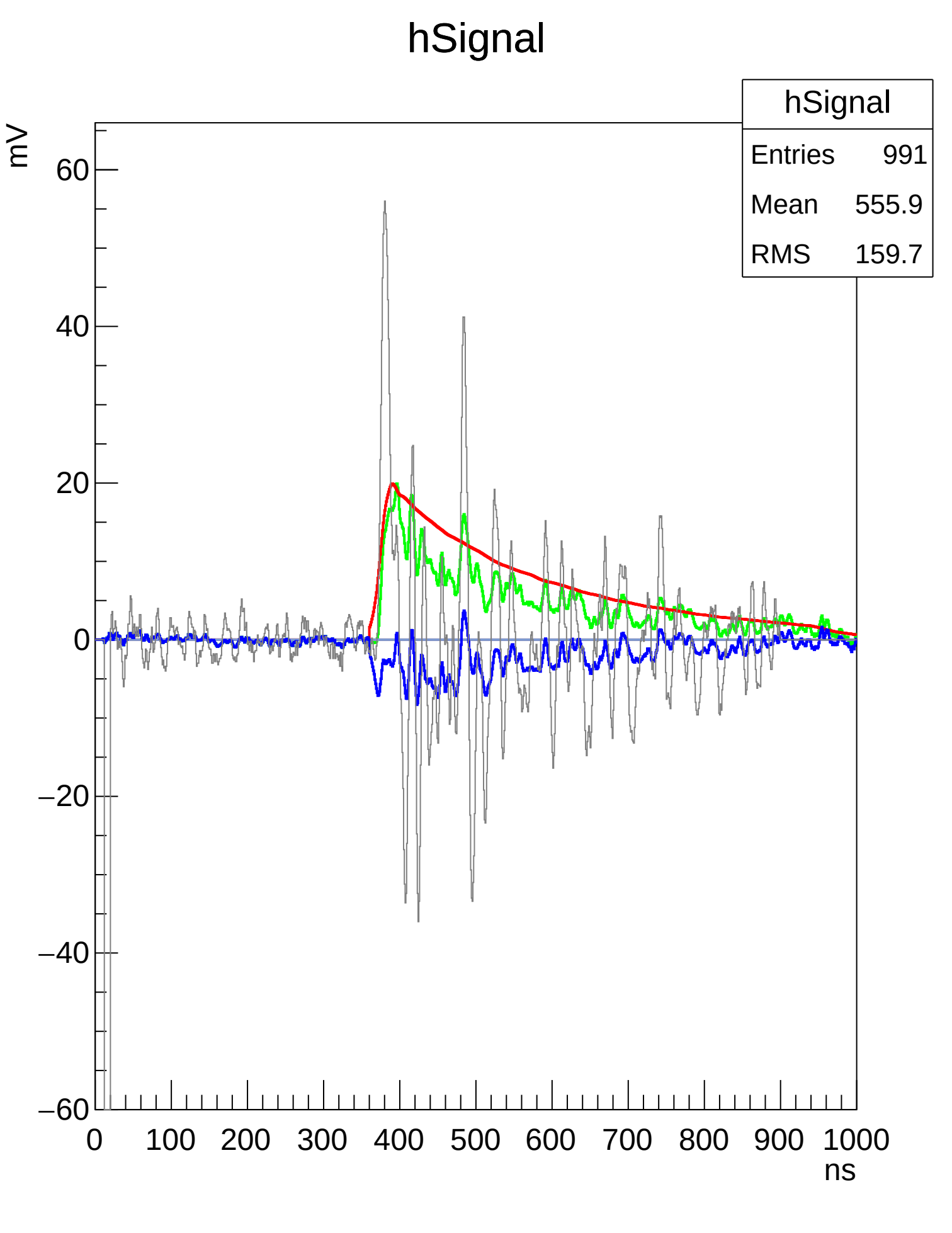
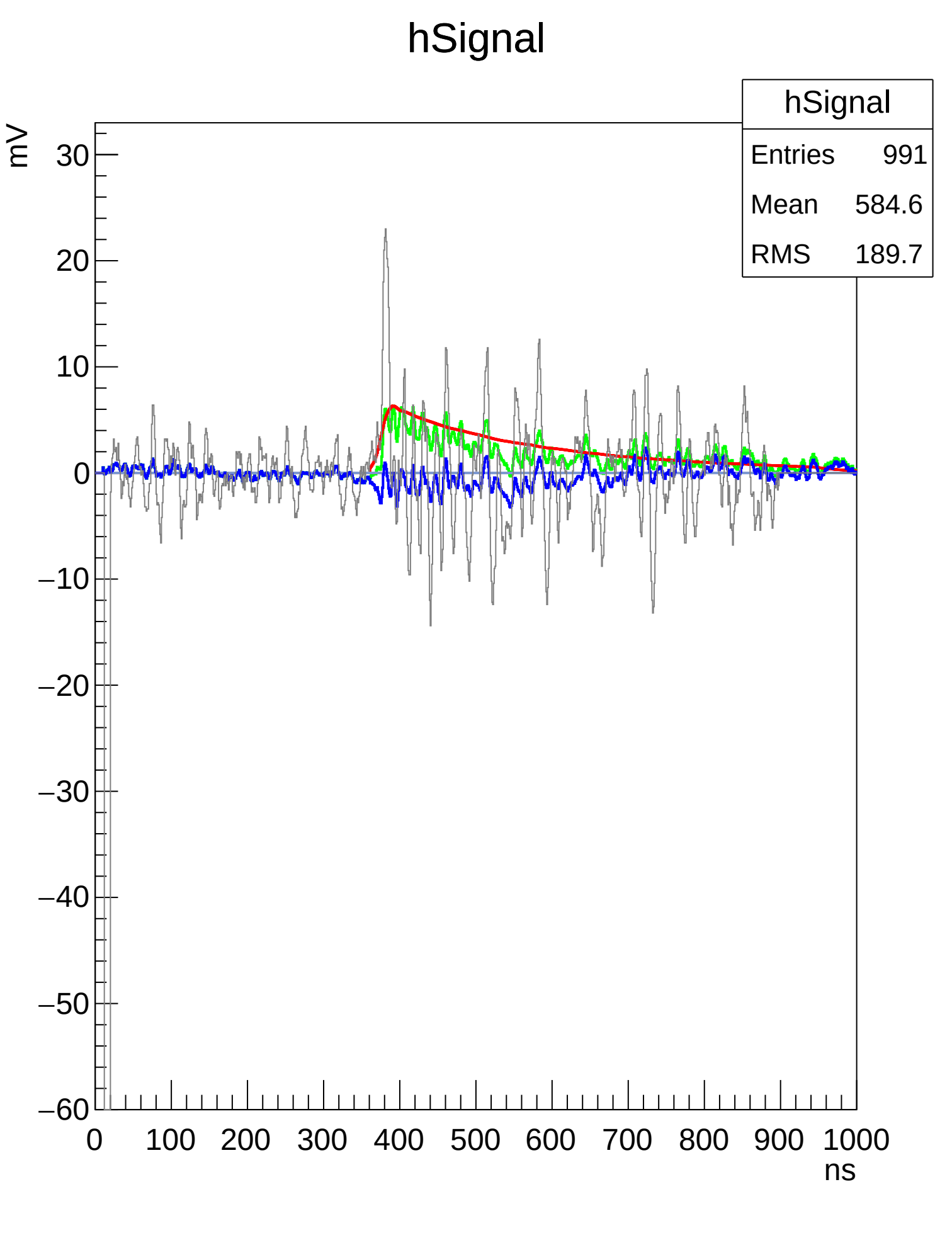
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.4
RMS 200.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.9
RMS 159.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.6
RMS 189.7
mV
30
20
10
0
−10
−20
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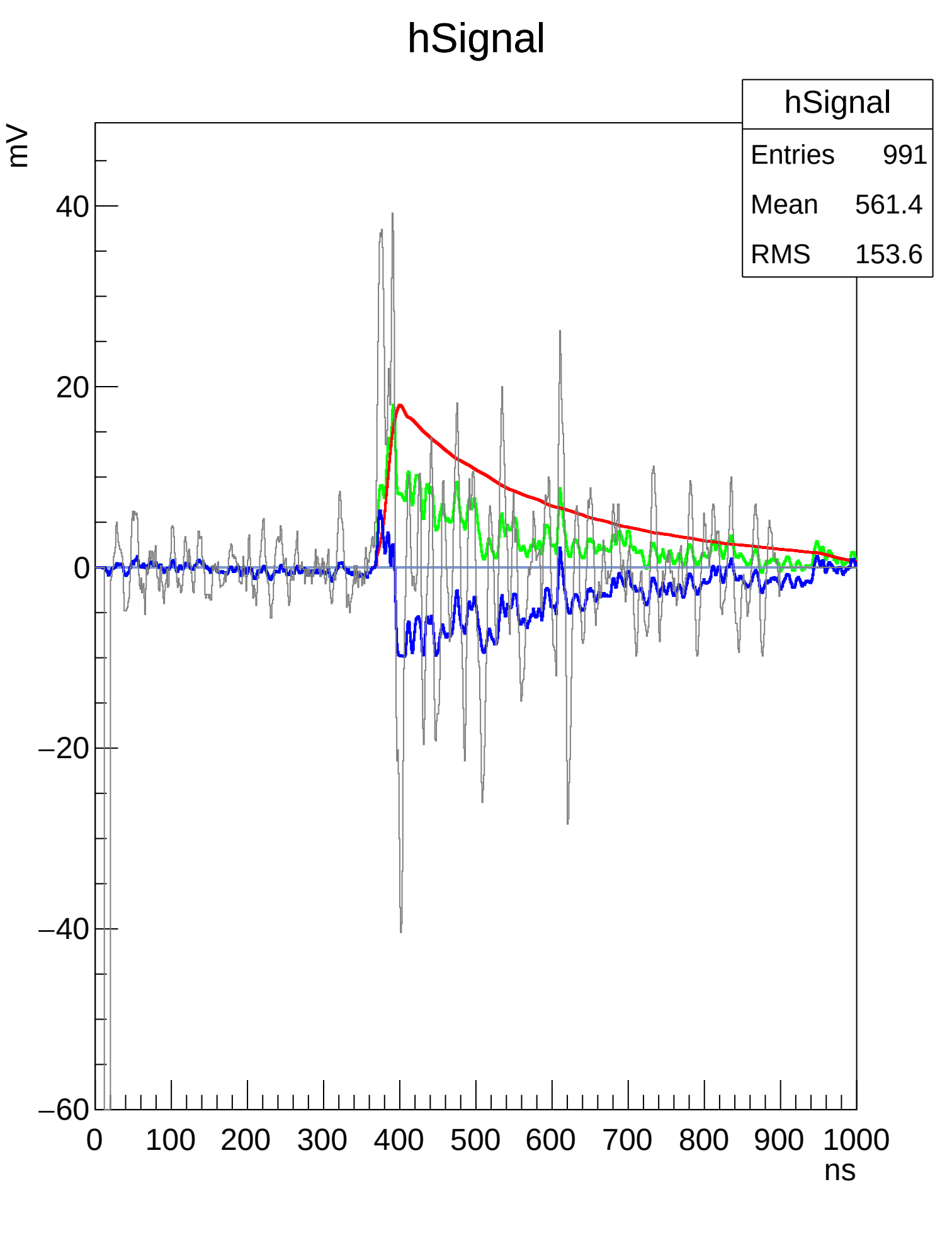
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.4
RMS 153.6
mV
40
20
0
−20
−40
−60
0
100
200
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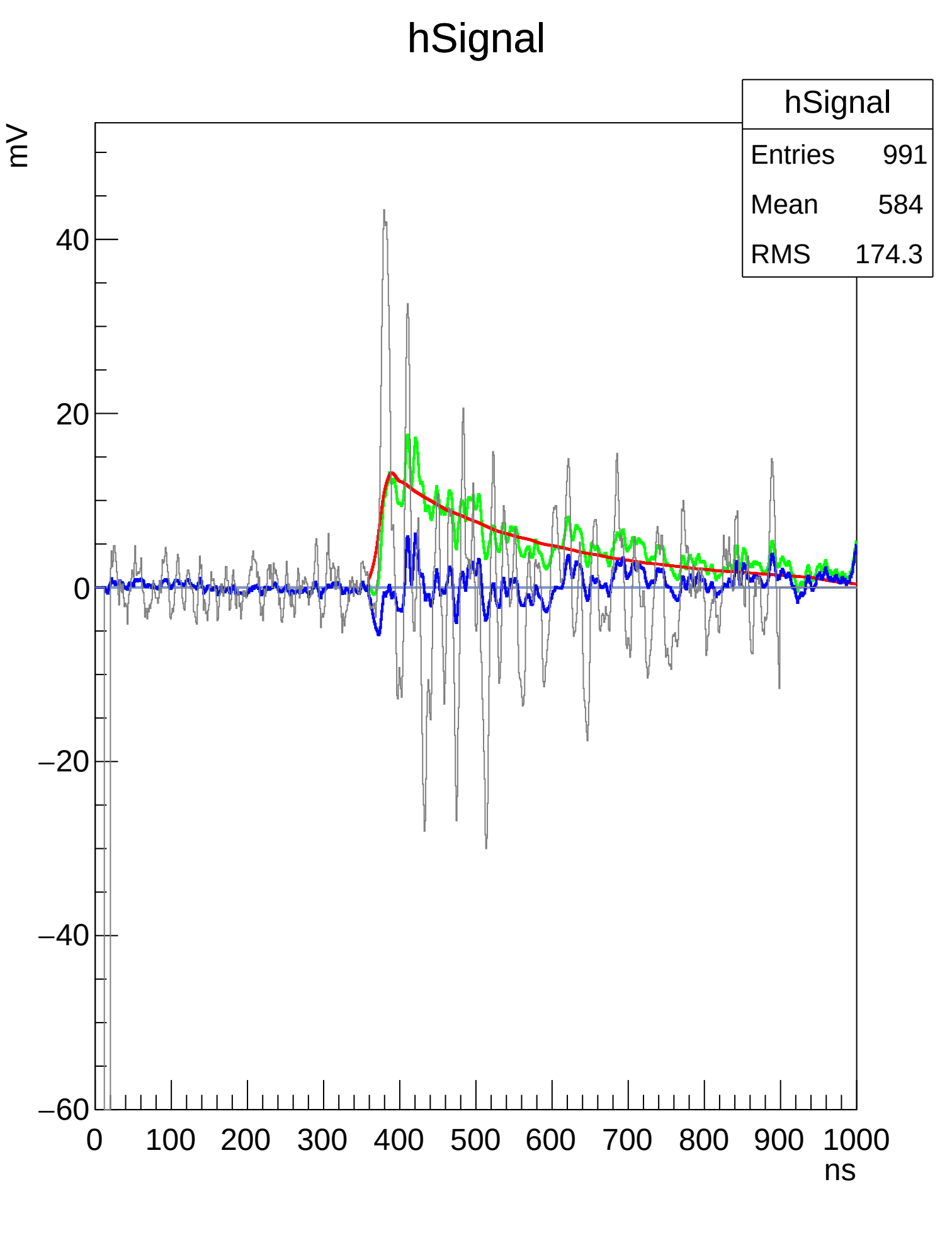
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584
RMS 174.3
mV
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0
−20
−40
−60
0
100
200
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400
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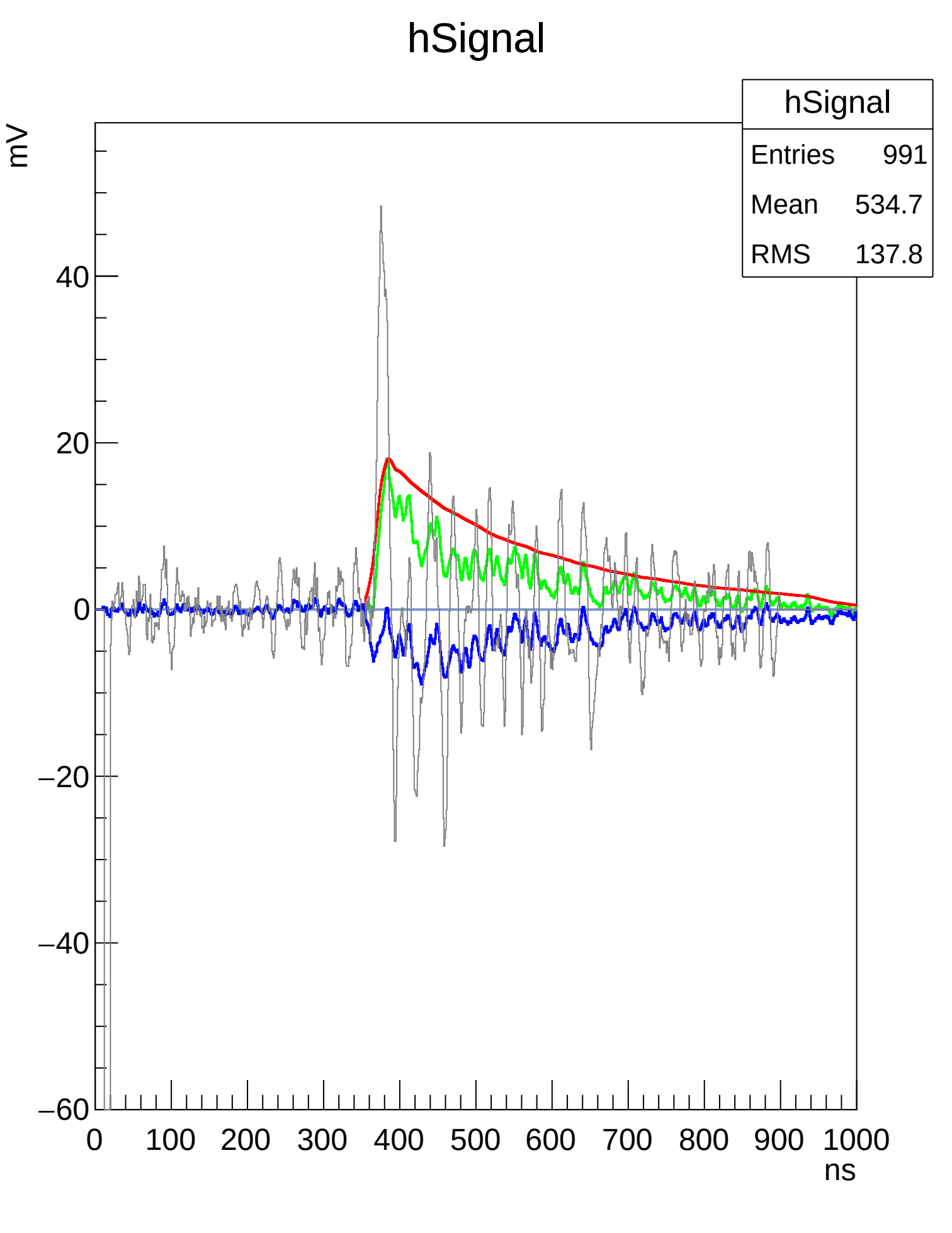
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.7
RMS 137.8
mV
40
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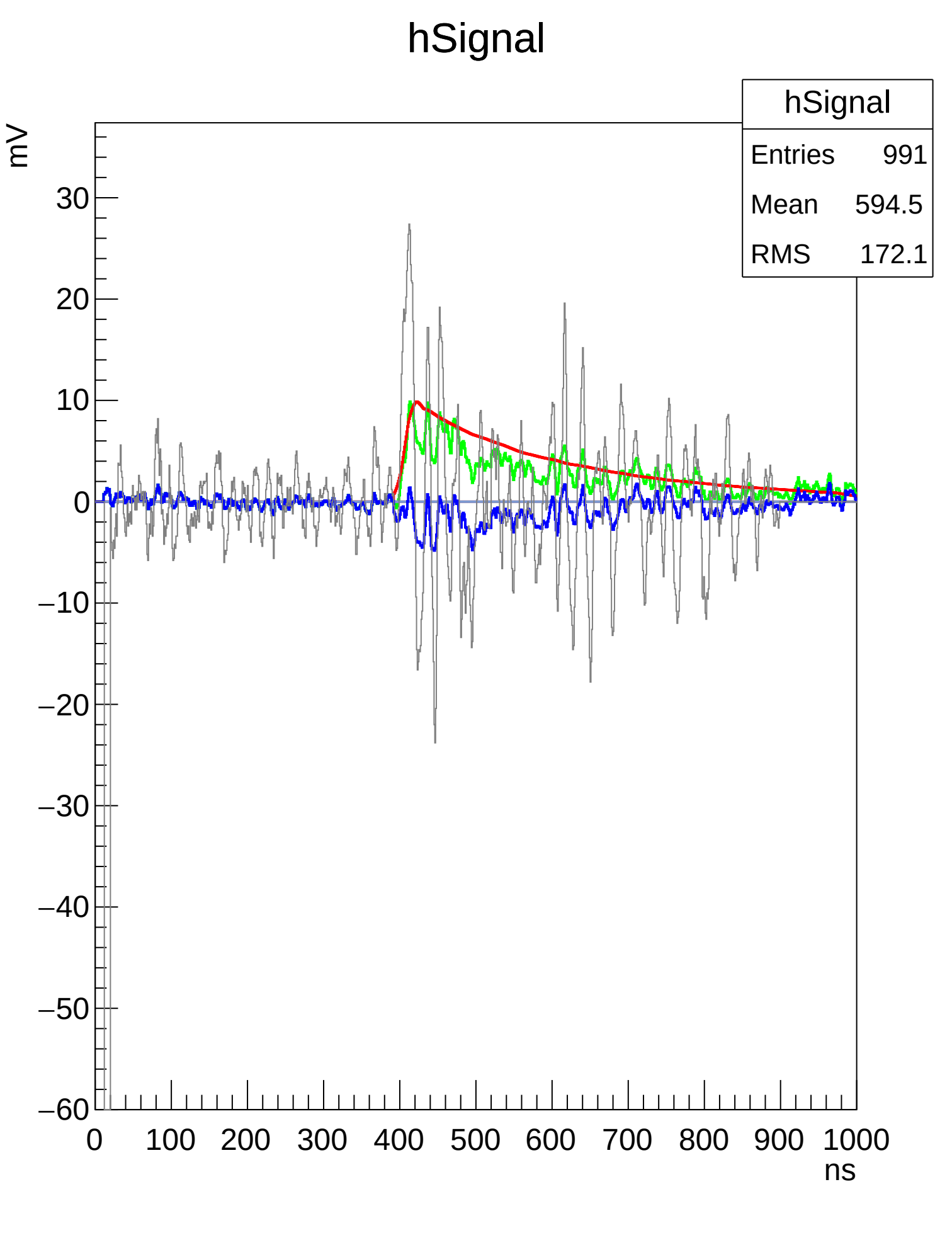
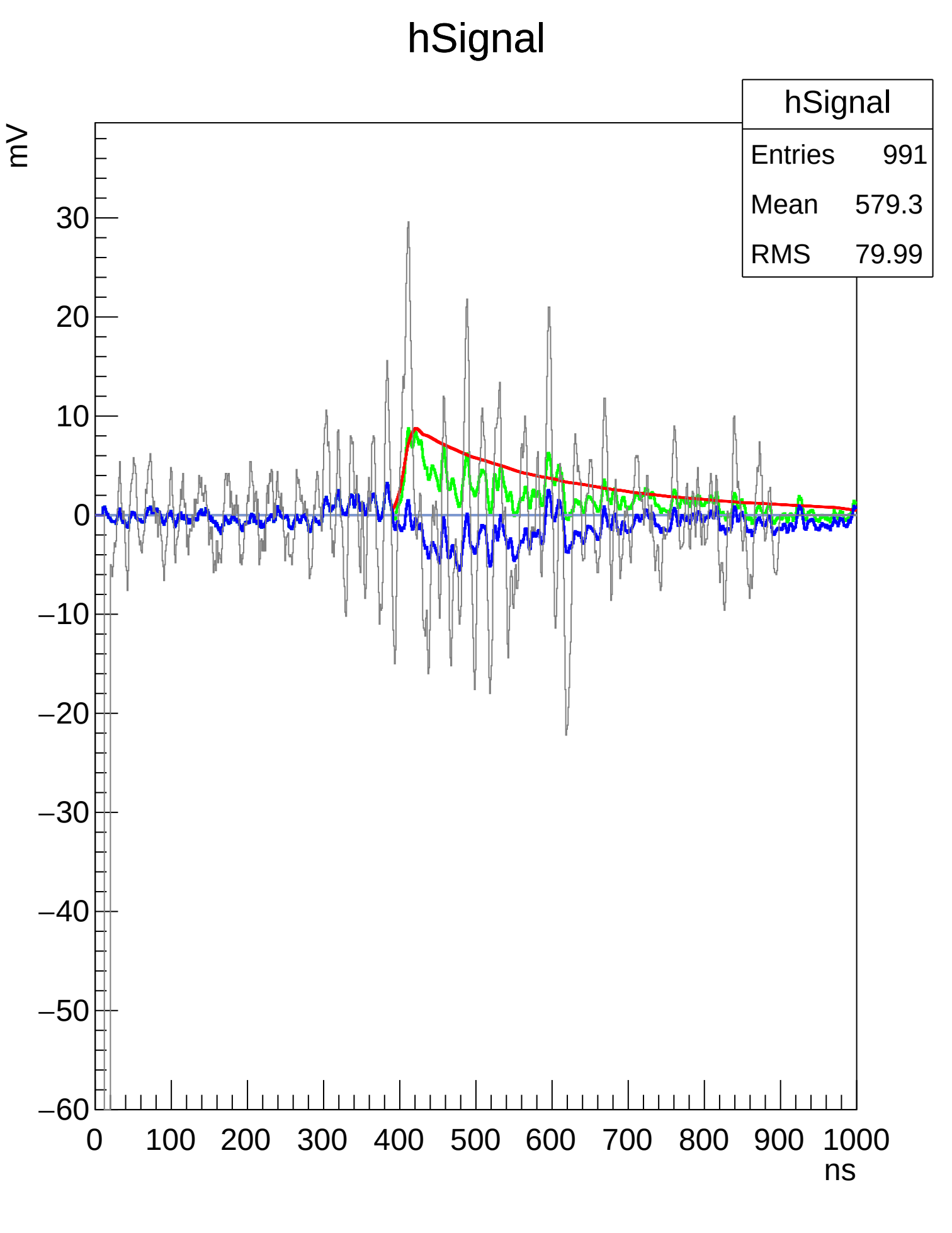
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.5
RMS 172.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.3
RMS 79.99
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
500
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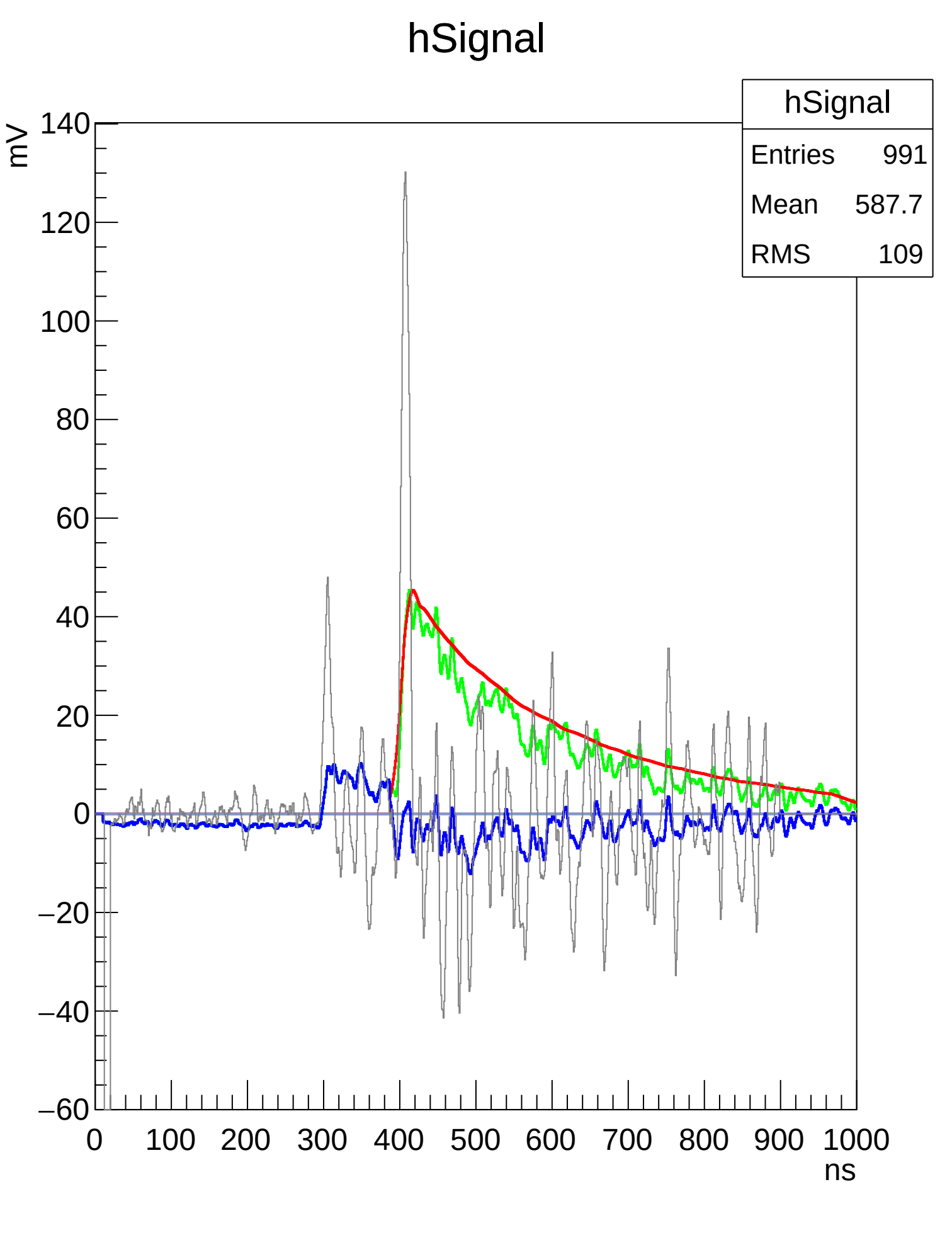
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.7
RMS 109
mV
140
120
100
80
60
40
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−20
−40
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0
100
200
300
400
500
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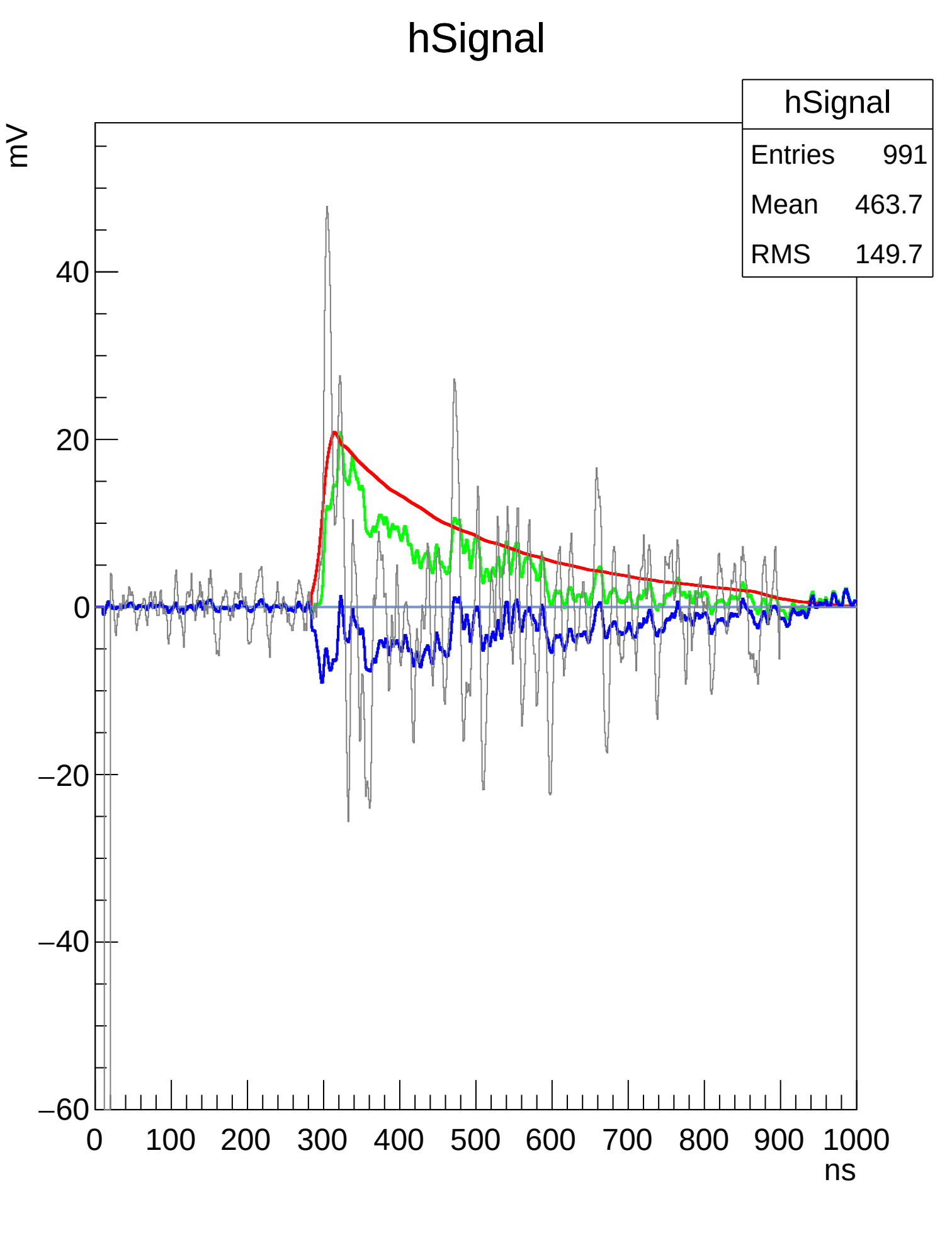
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 463.7
RMS 149.7
mV
40
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−20
−40
−60
0
100
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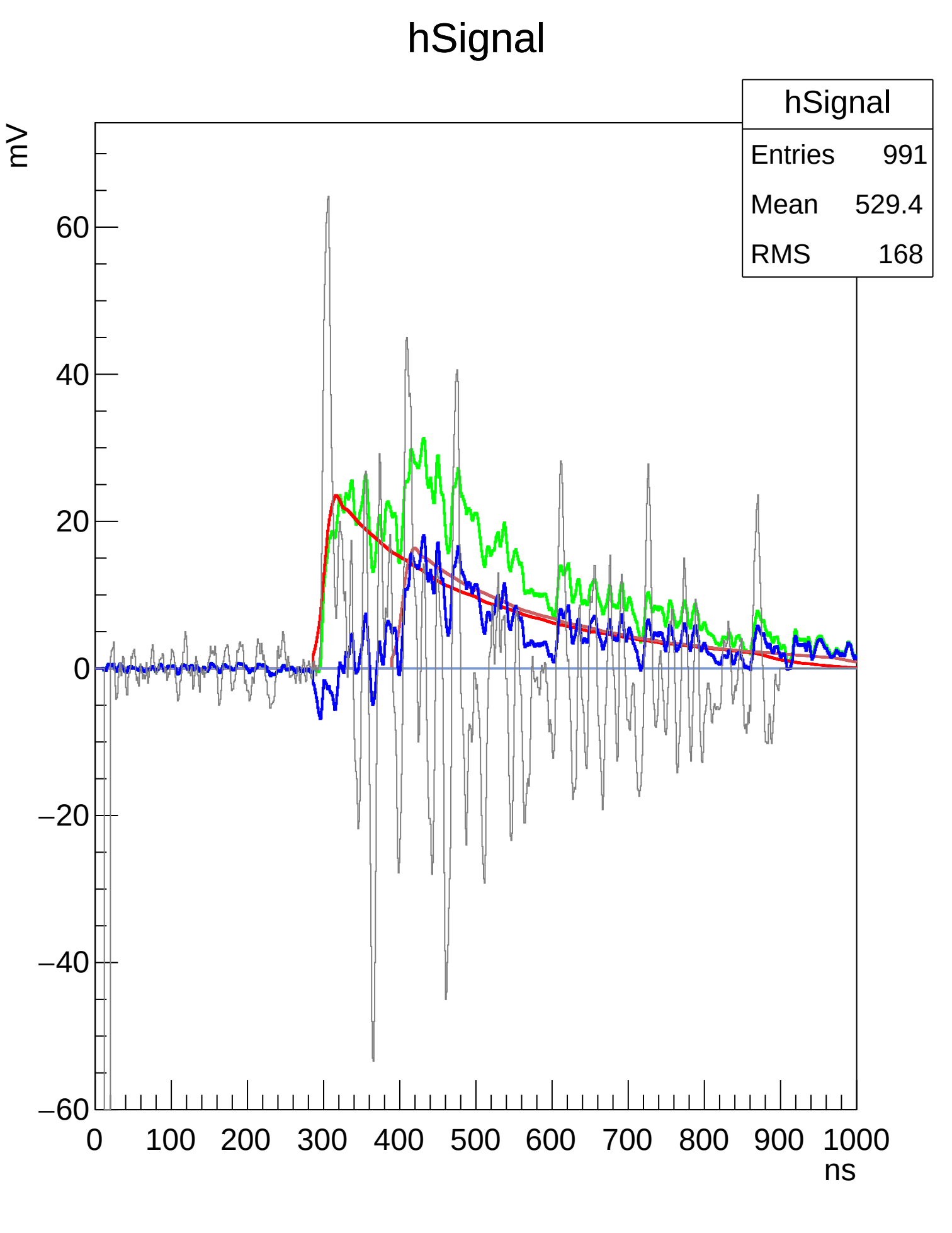
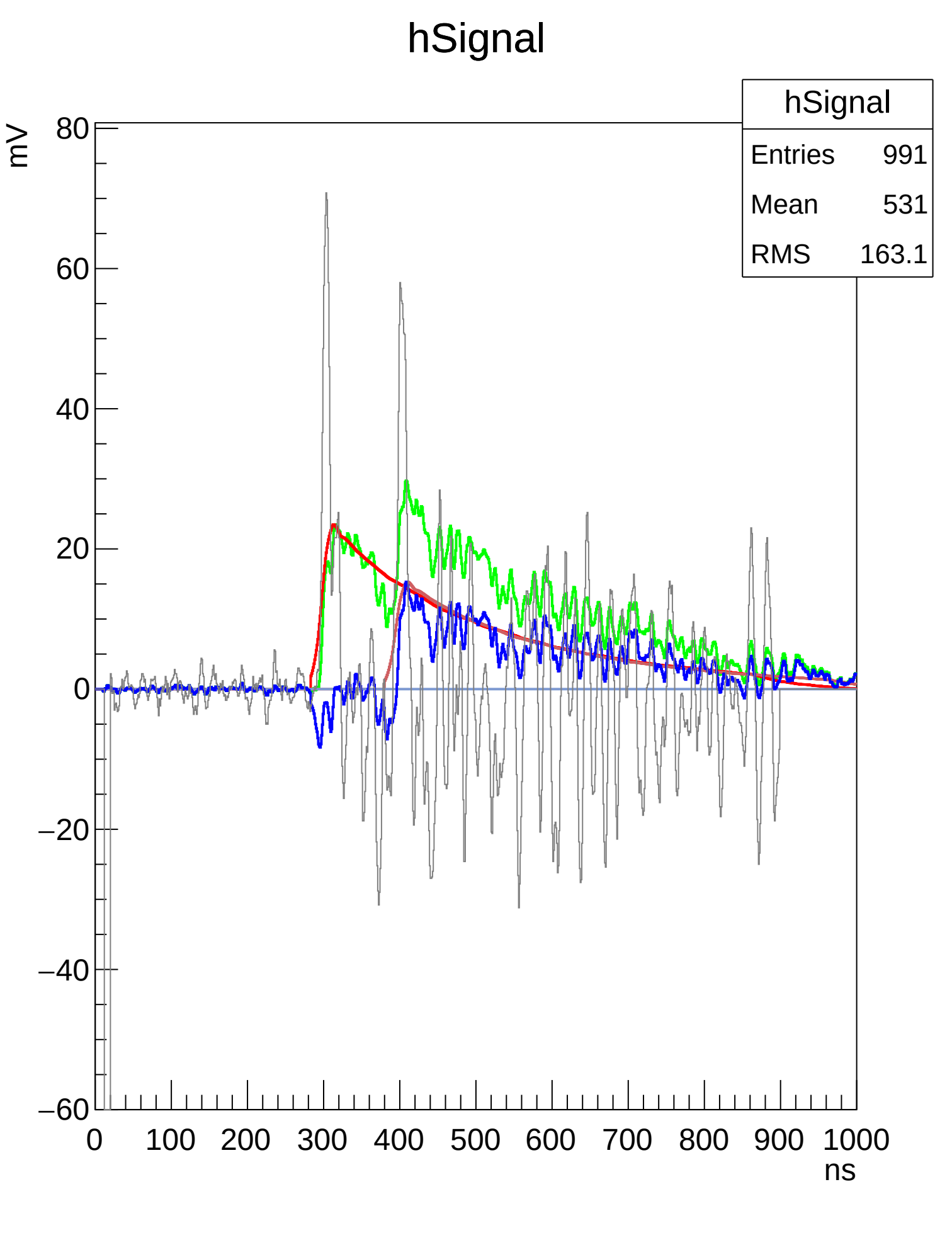
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.4
RMS 168
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531
RMS 163.1
mV
80
60
40
20
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−20
−40
−60
0
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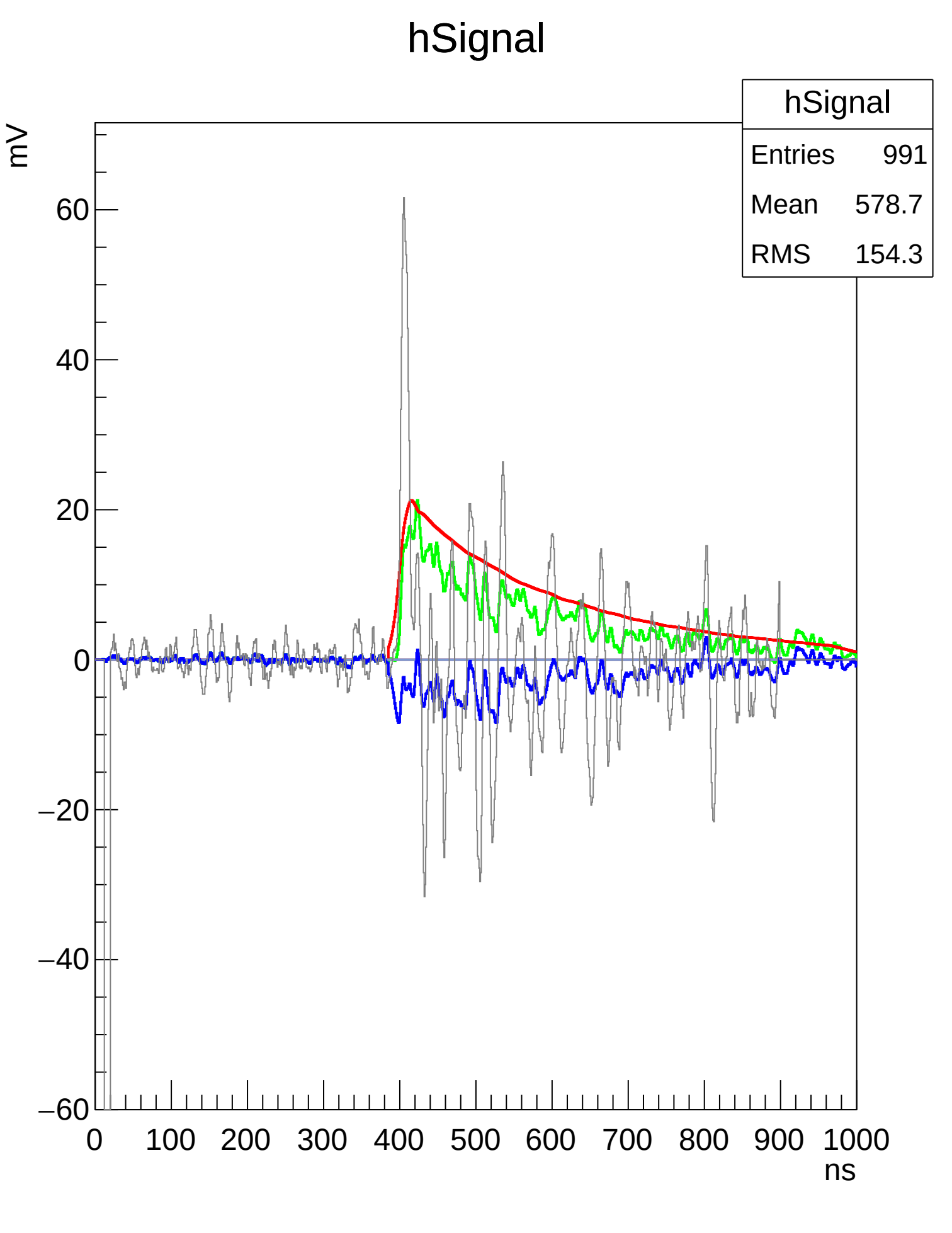
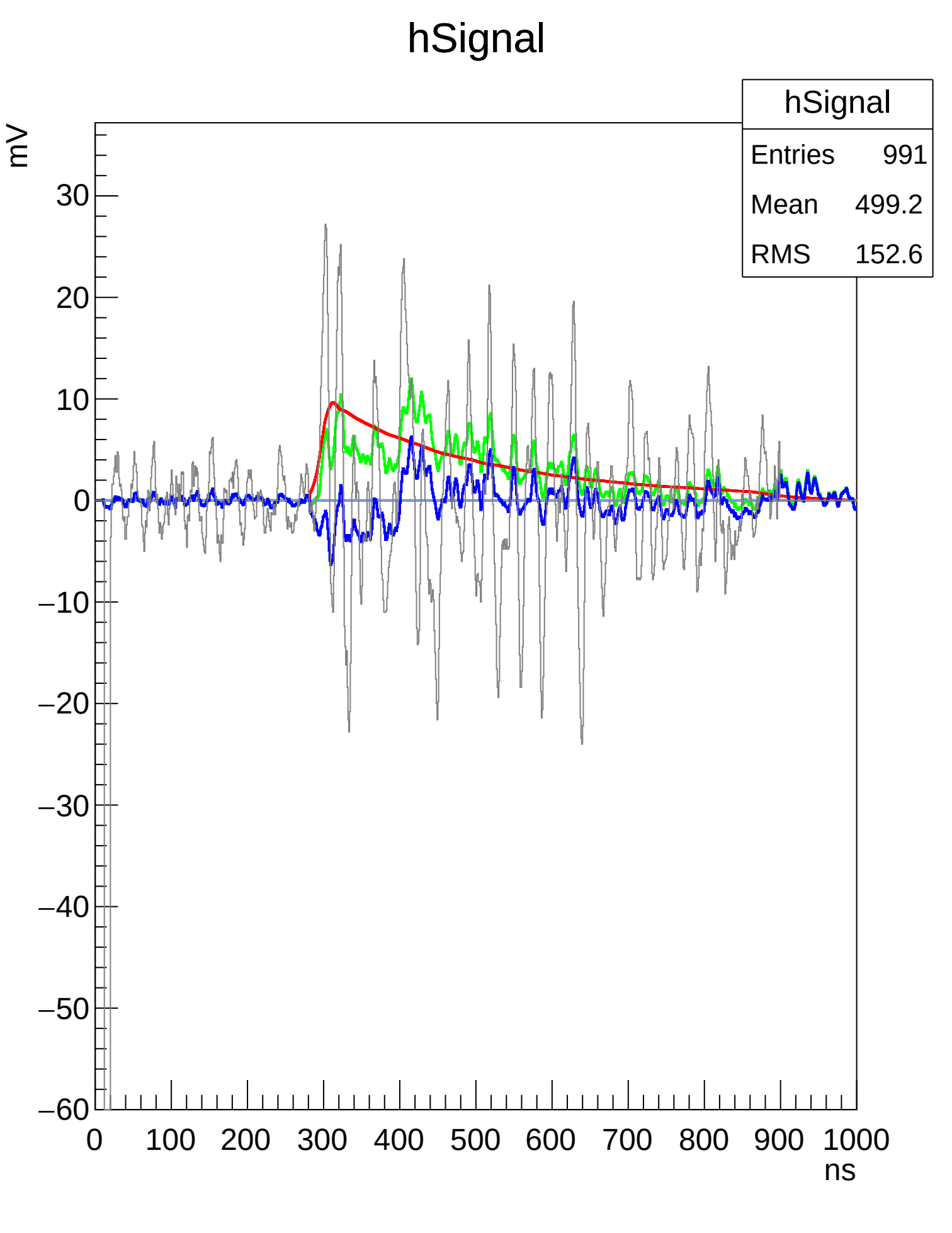
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 154.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.2
RMS 152.6
mV
30
20
10
0
−10
−20
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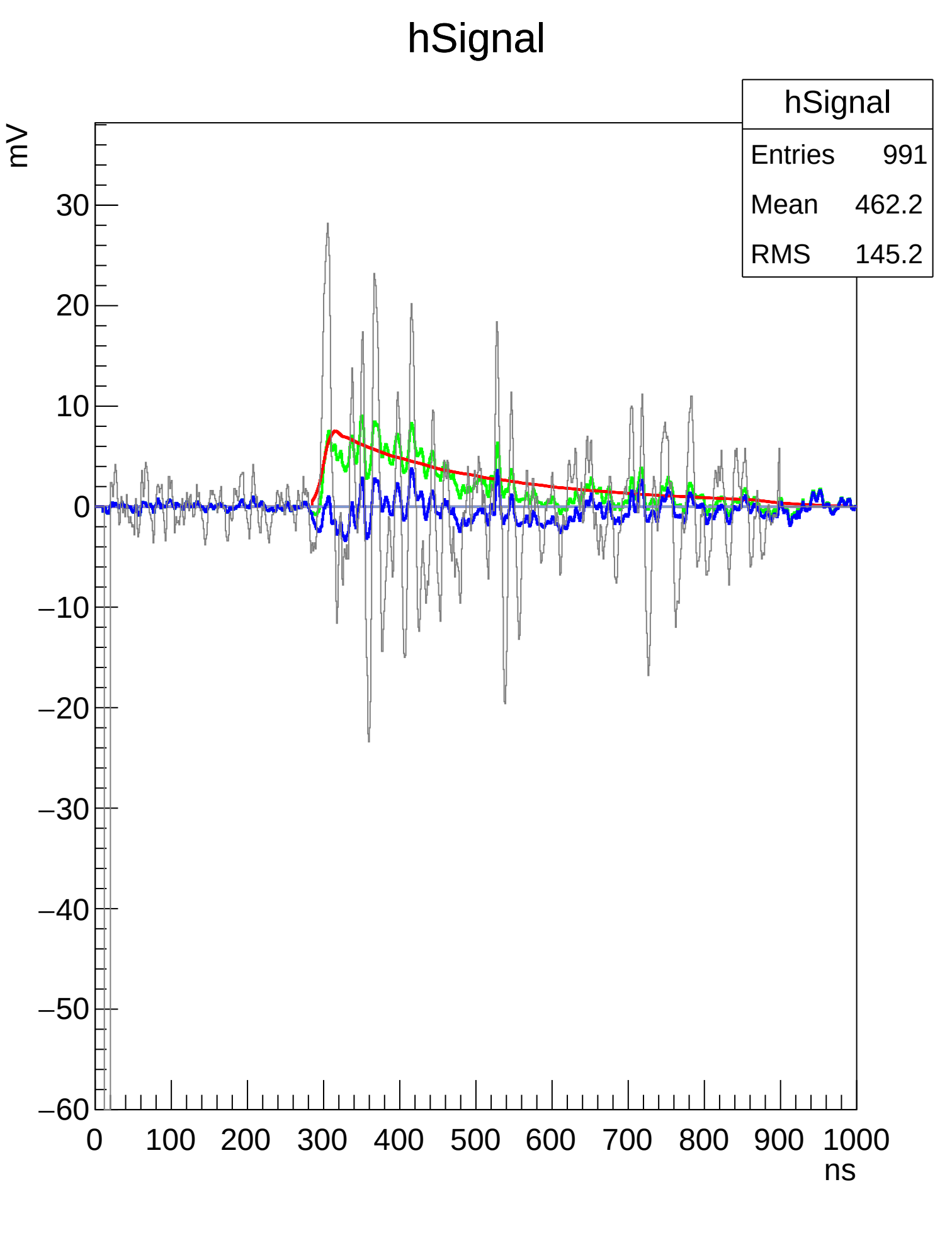
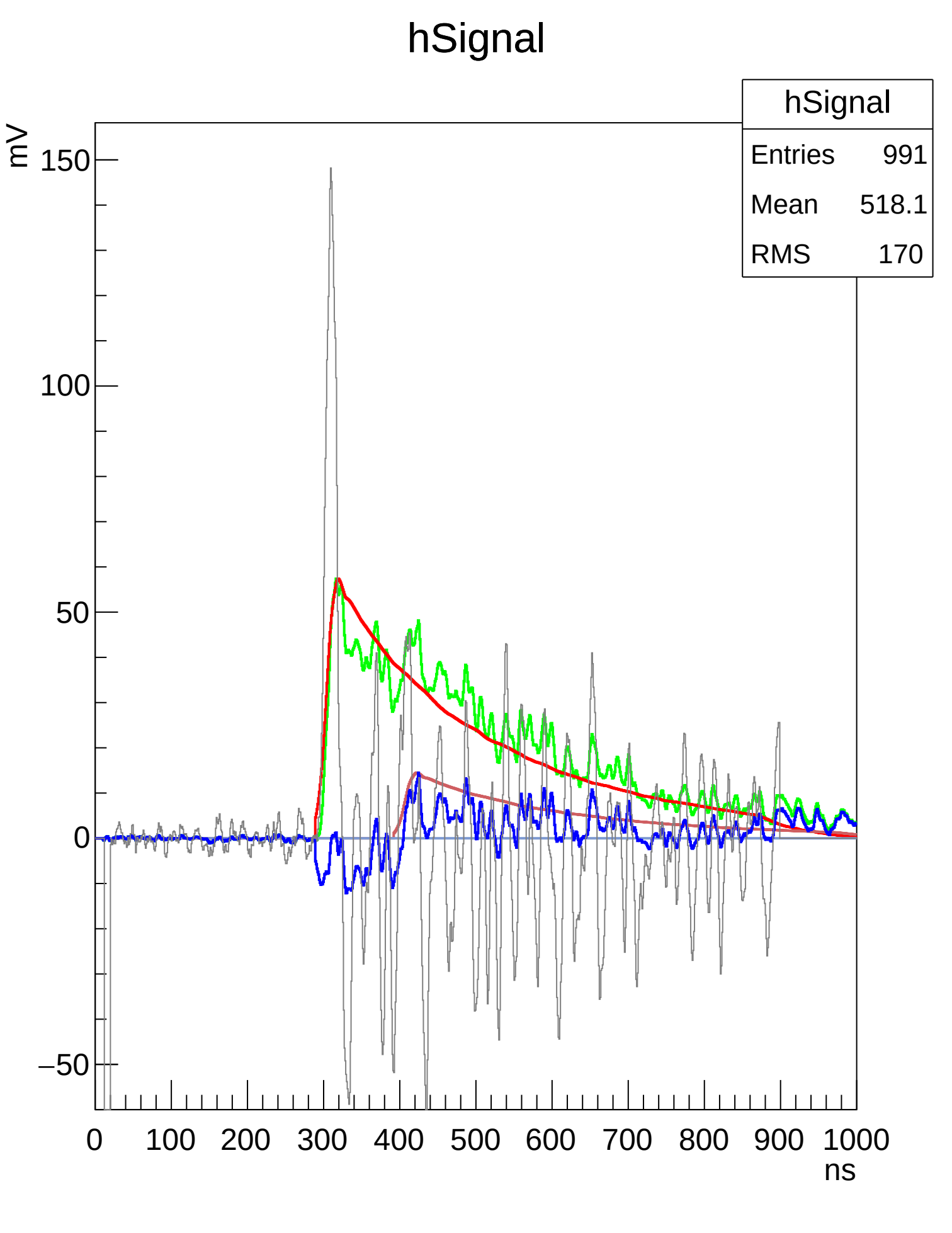
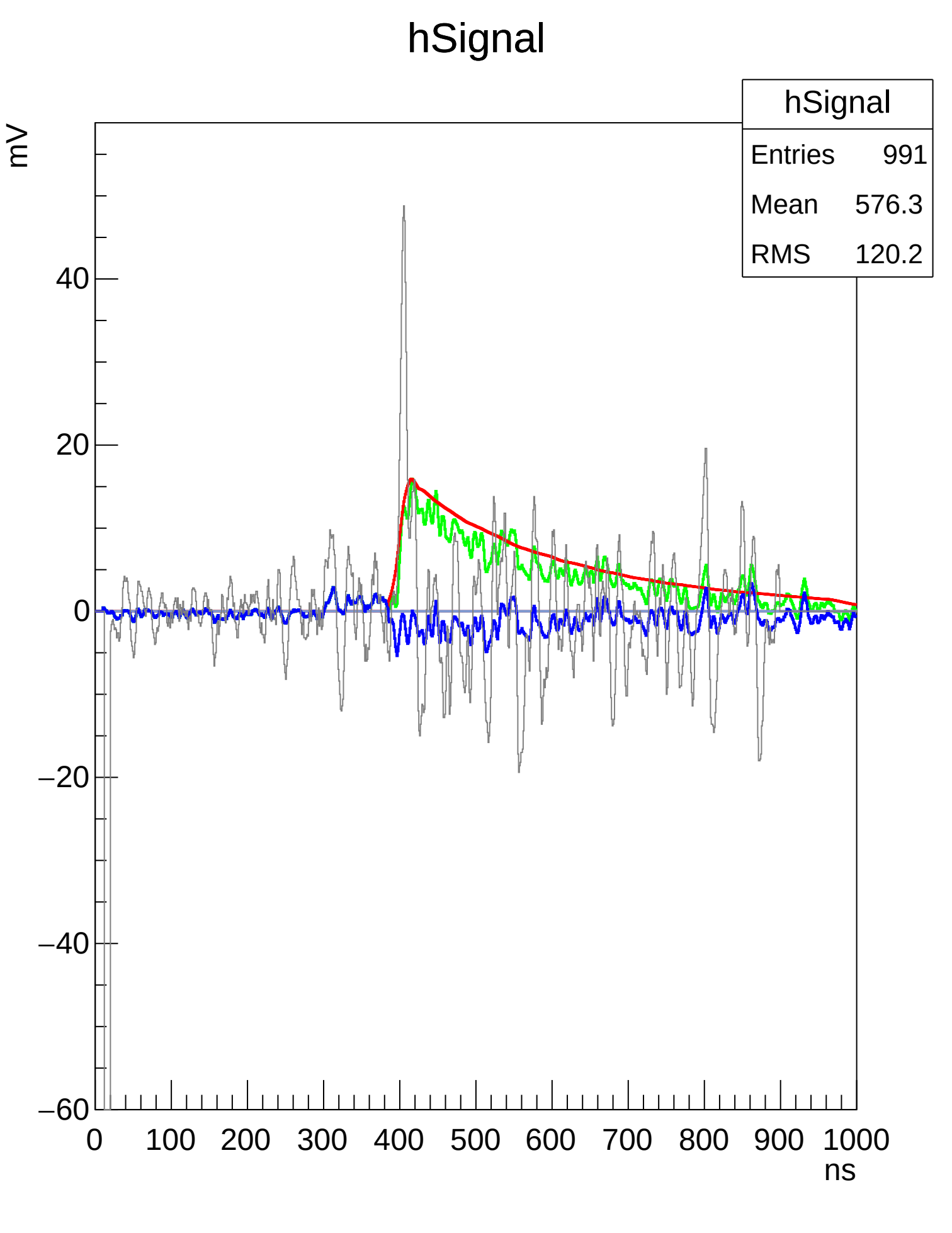
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 462.2
RMS 145.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.1
RMS 170
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.3
RMS 120.2
mV
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20
0
−20
−40
−60
0
100
200
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400
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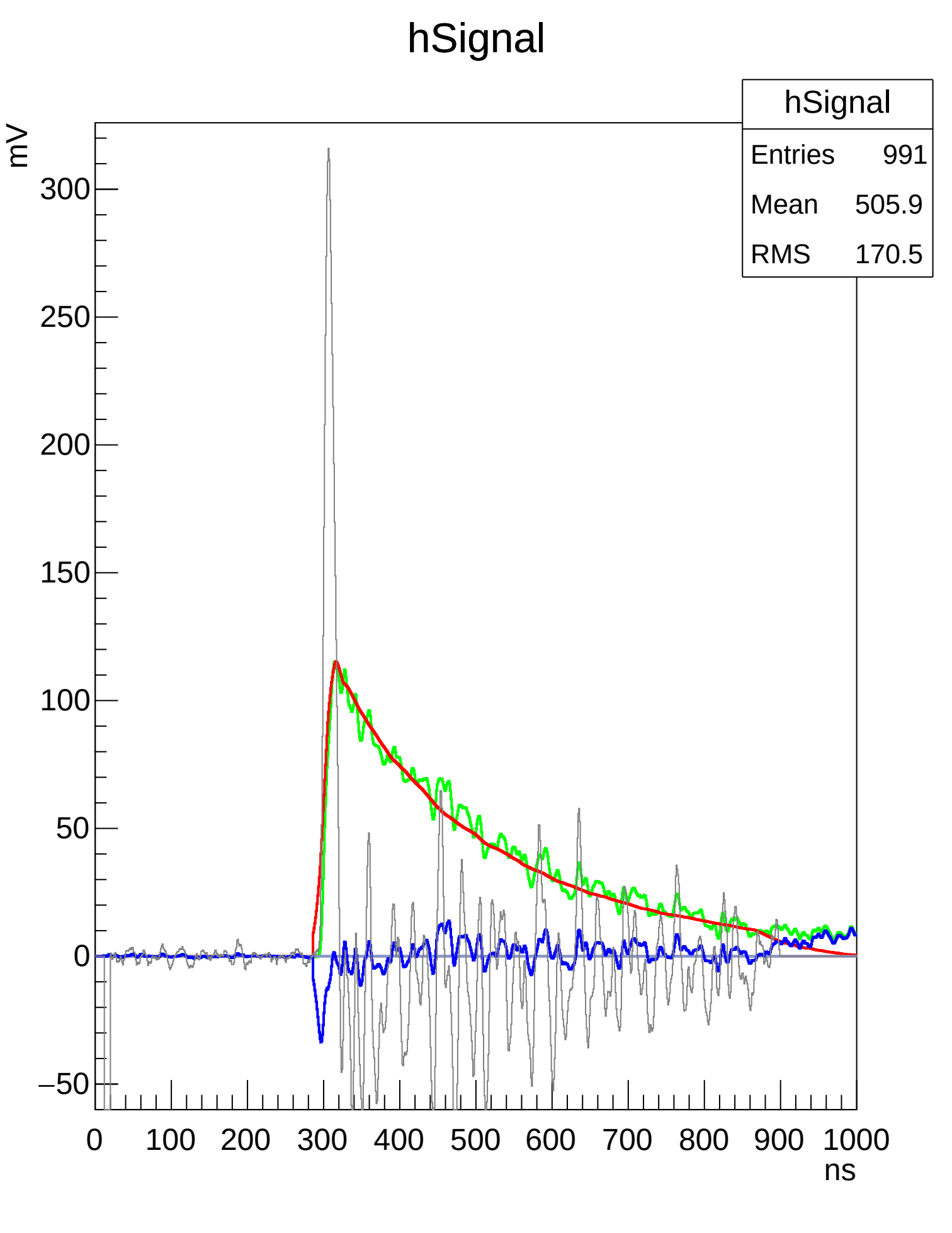
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.9
RMS 170.5
mV
300
250
200
150
100
50
0
−50
0
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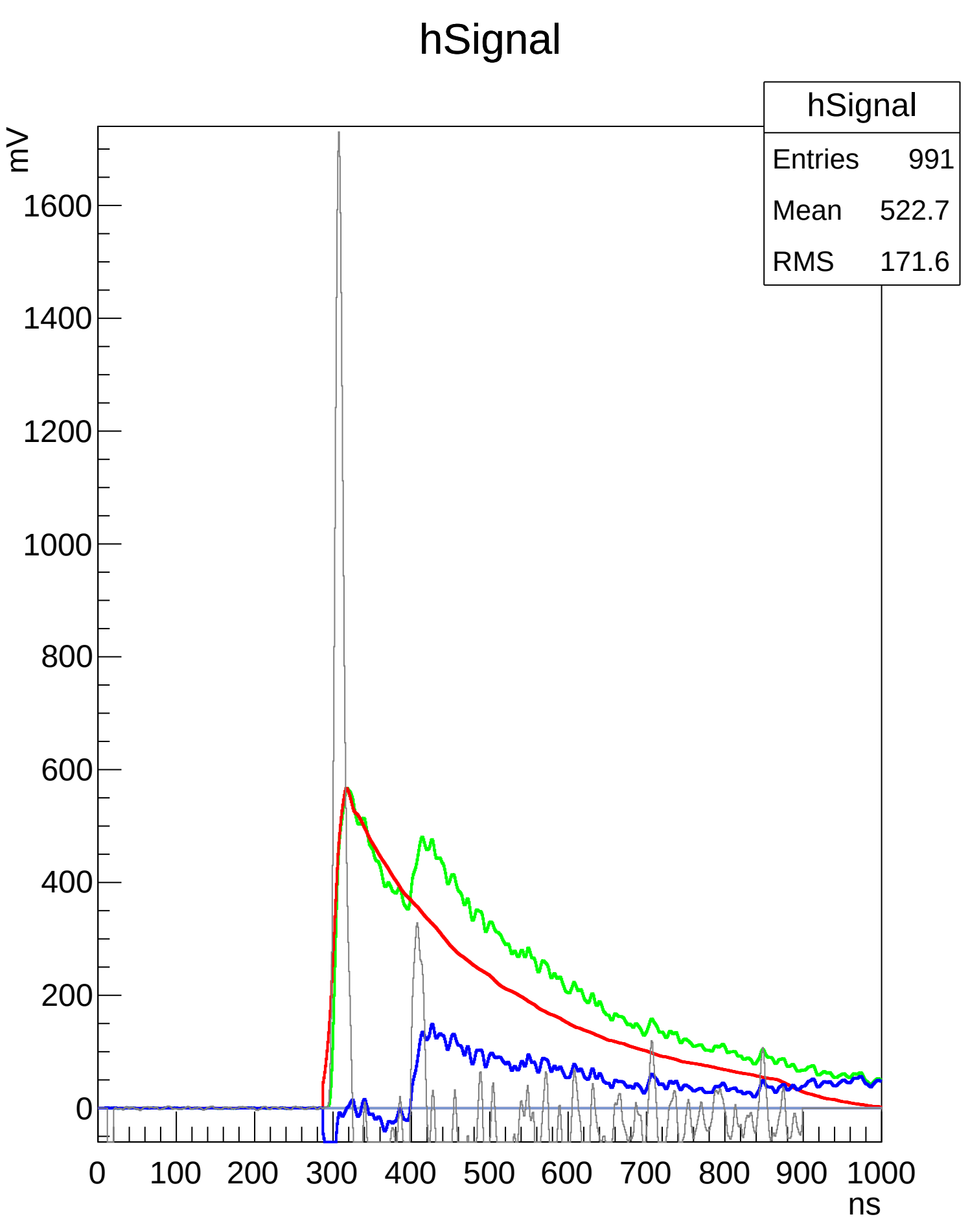
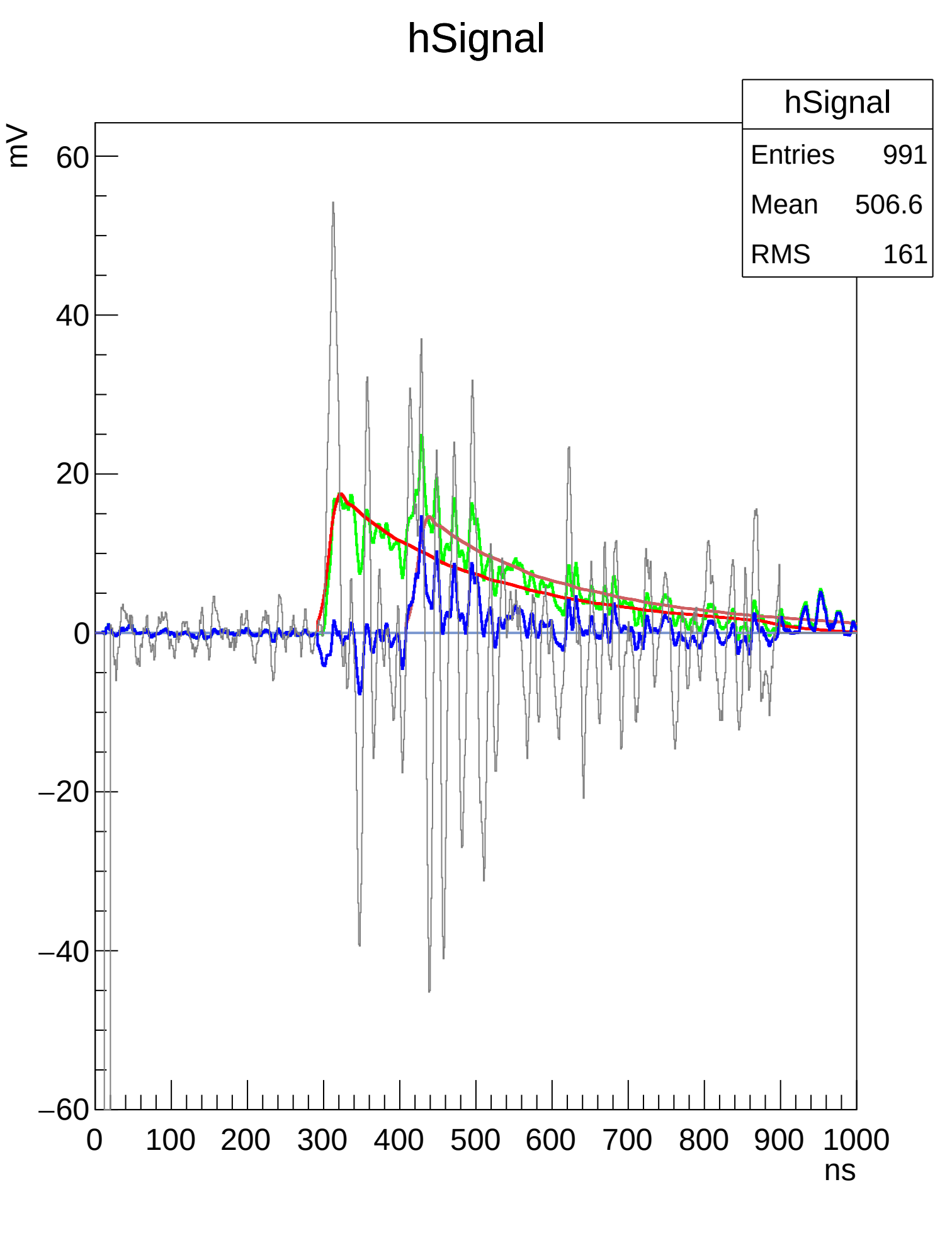
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.7
RMS 171.6
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 506.6
RMS 161
mV
60
40
20
0
−20
−40
−60
0
100
200
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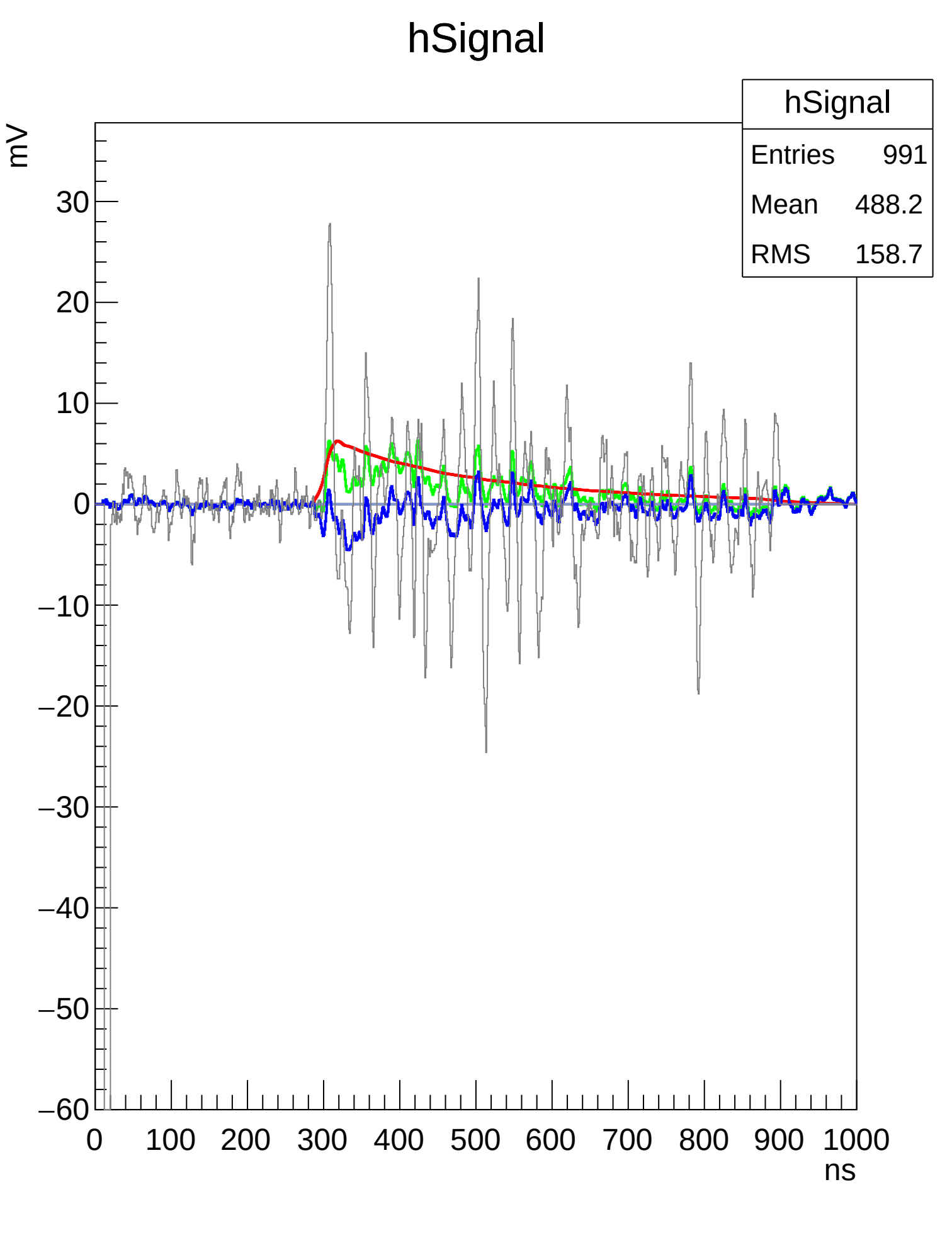
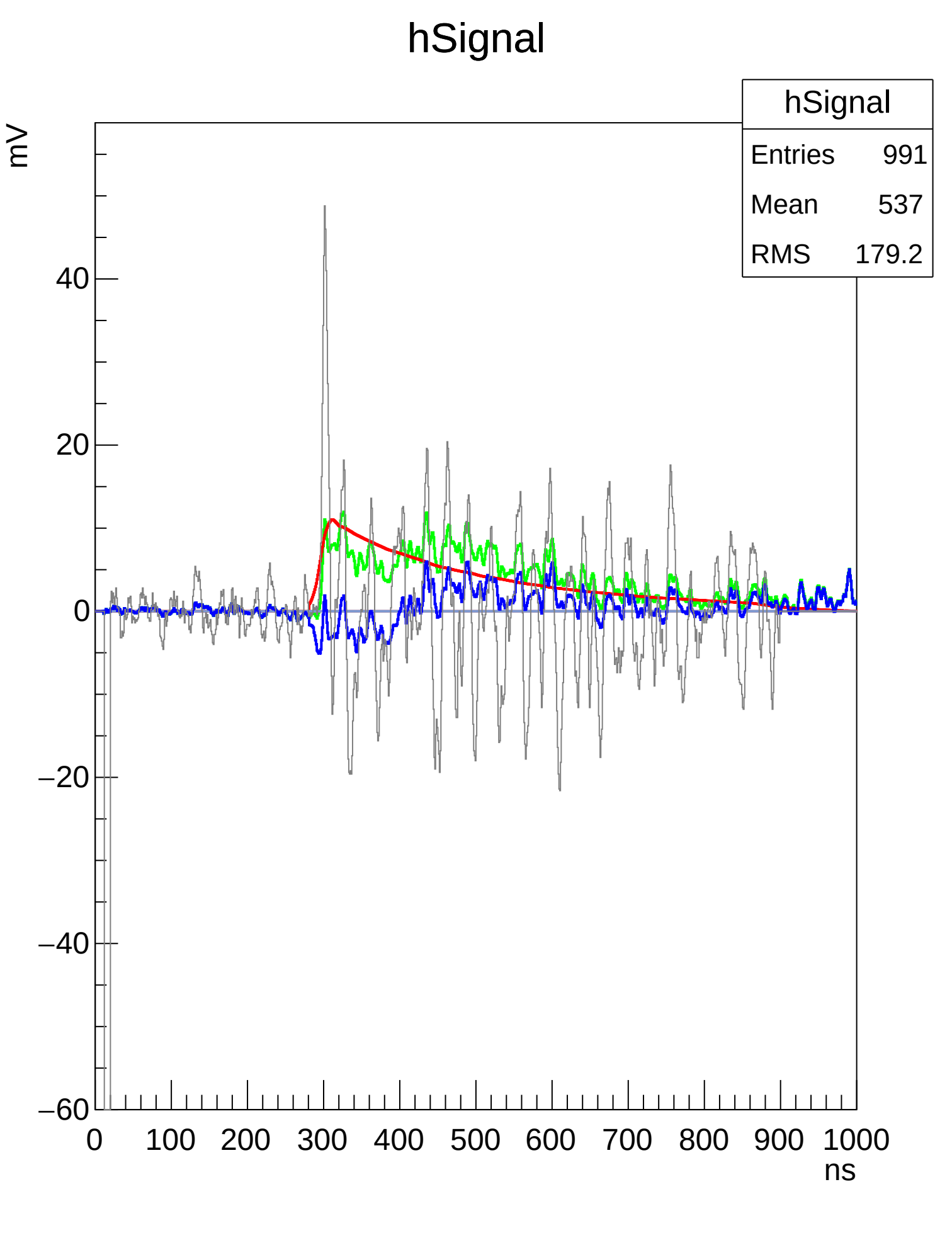
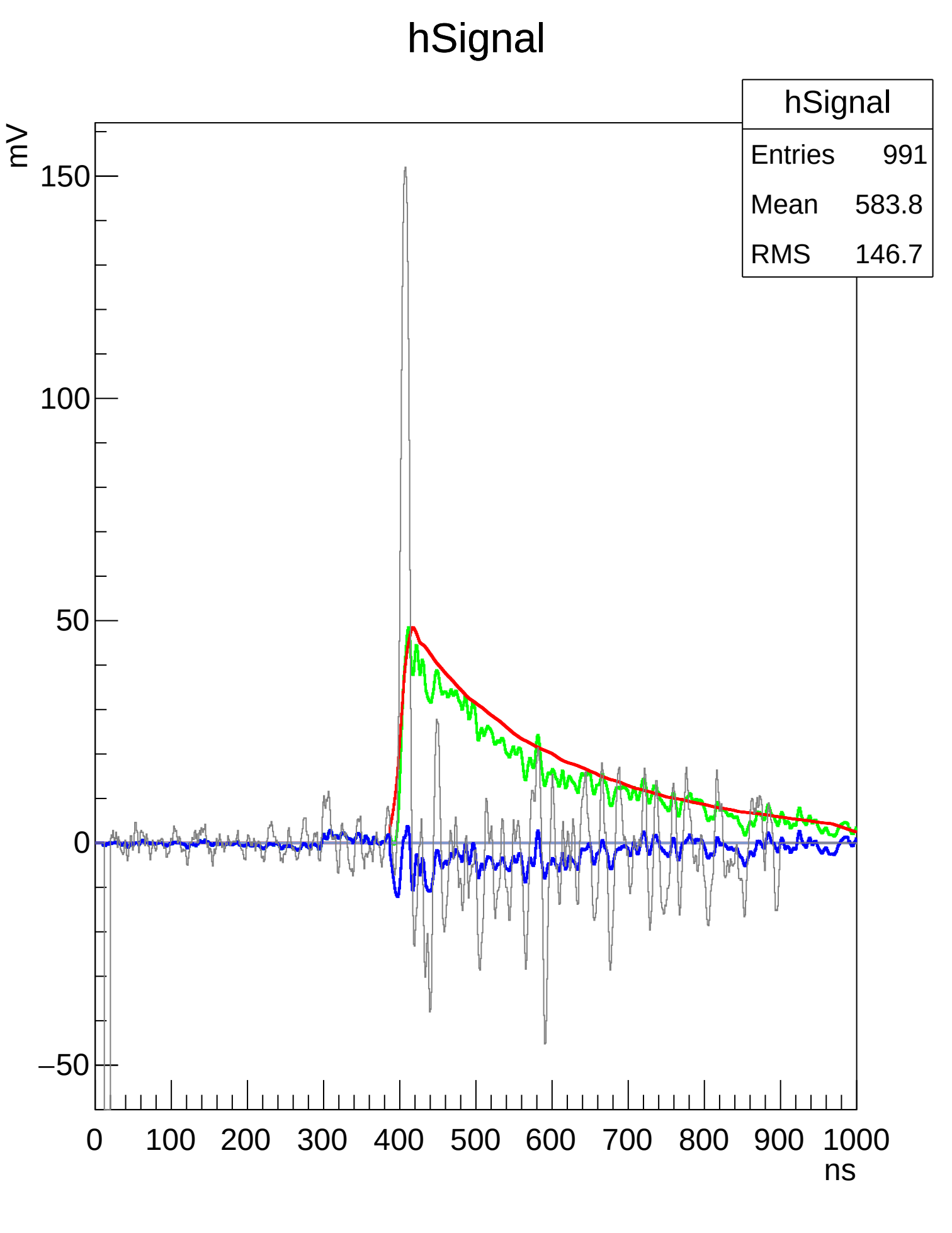
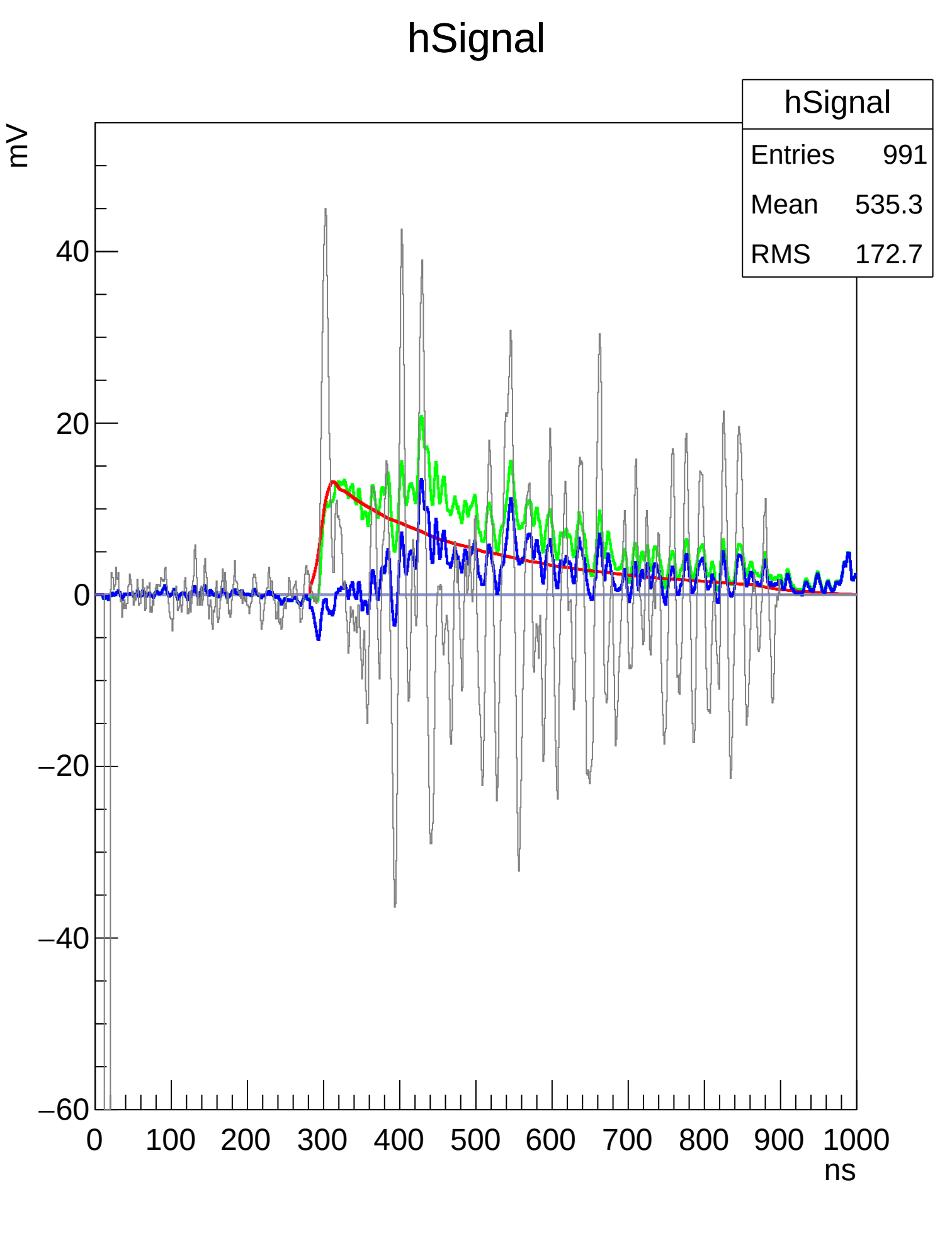
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.2
RMS 158.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537
RMS 179.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.8
RMS 146.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.3
RMS 172.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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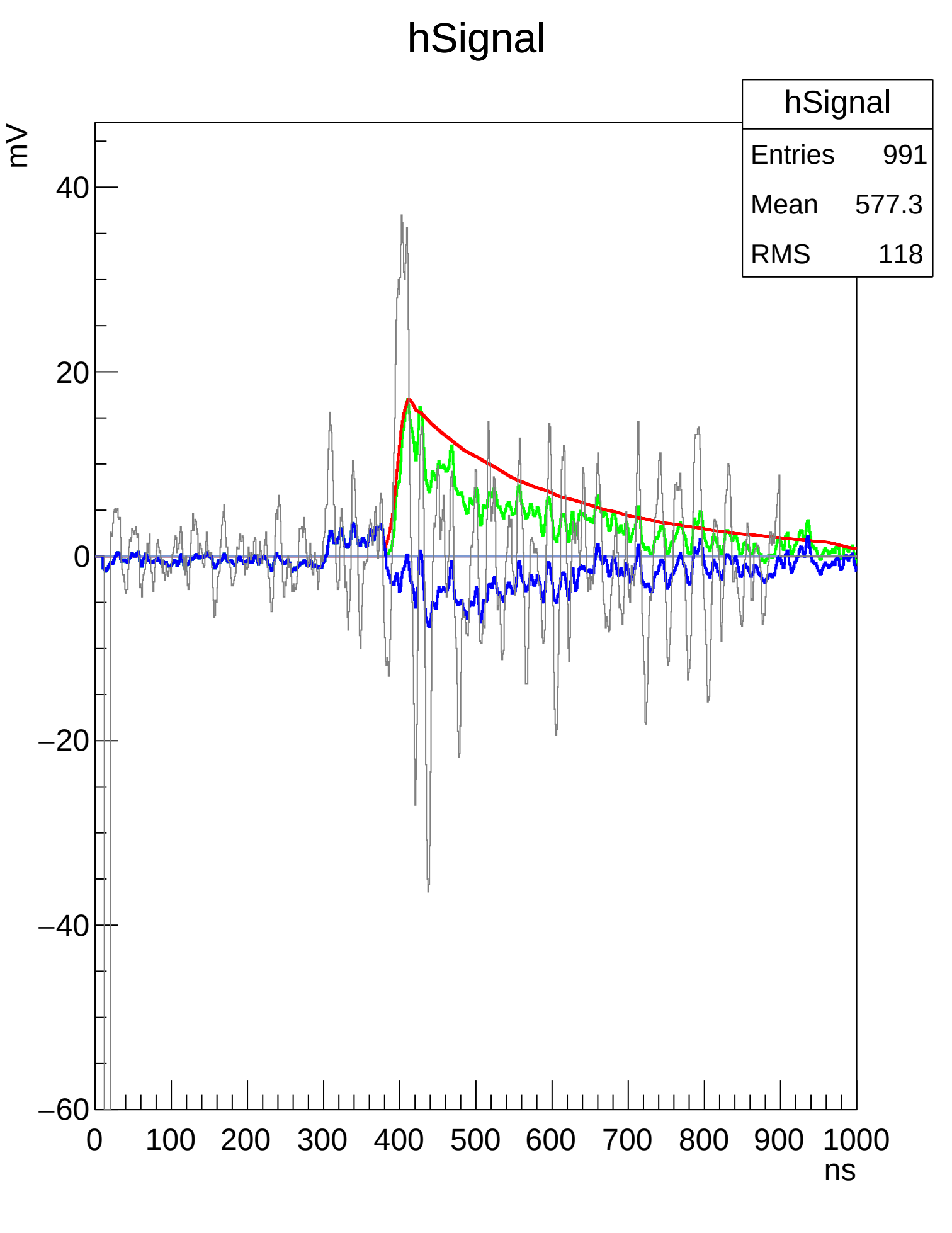
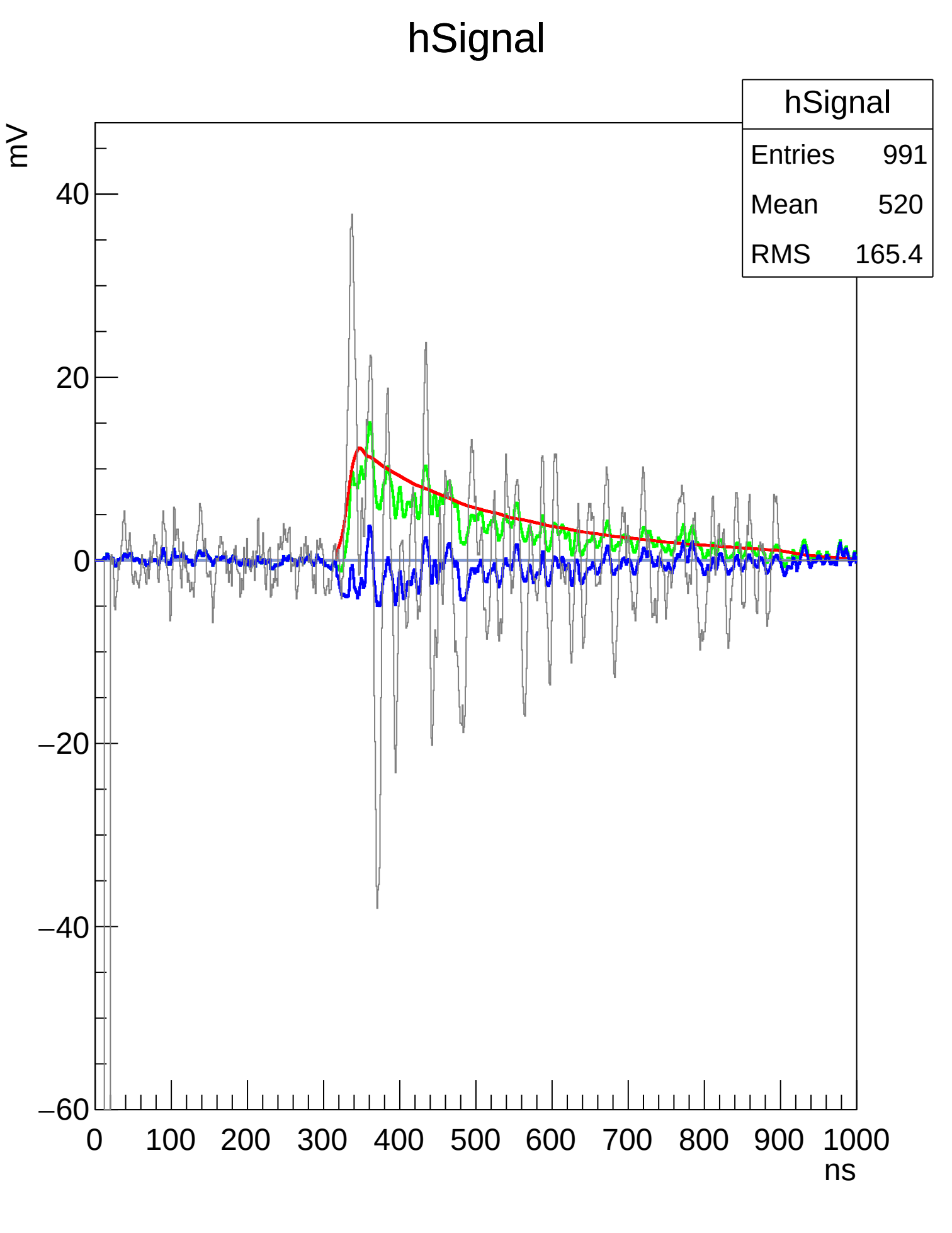
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.3
RMS 118
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520
RMS 165.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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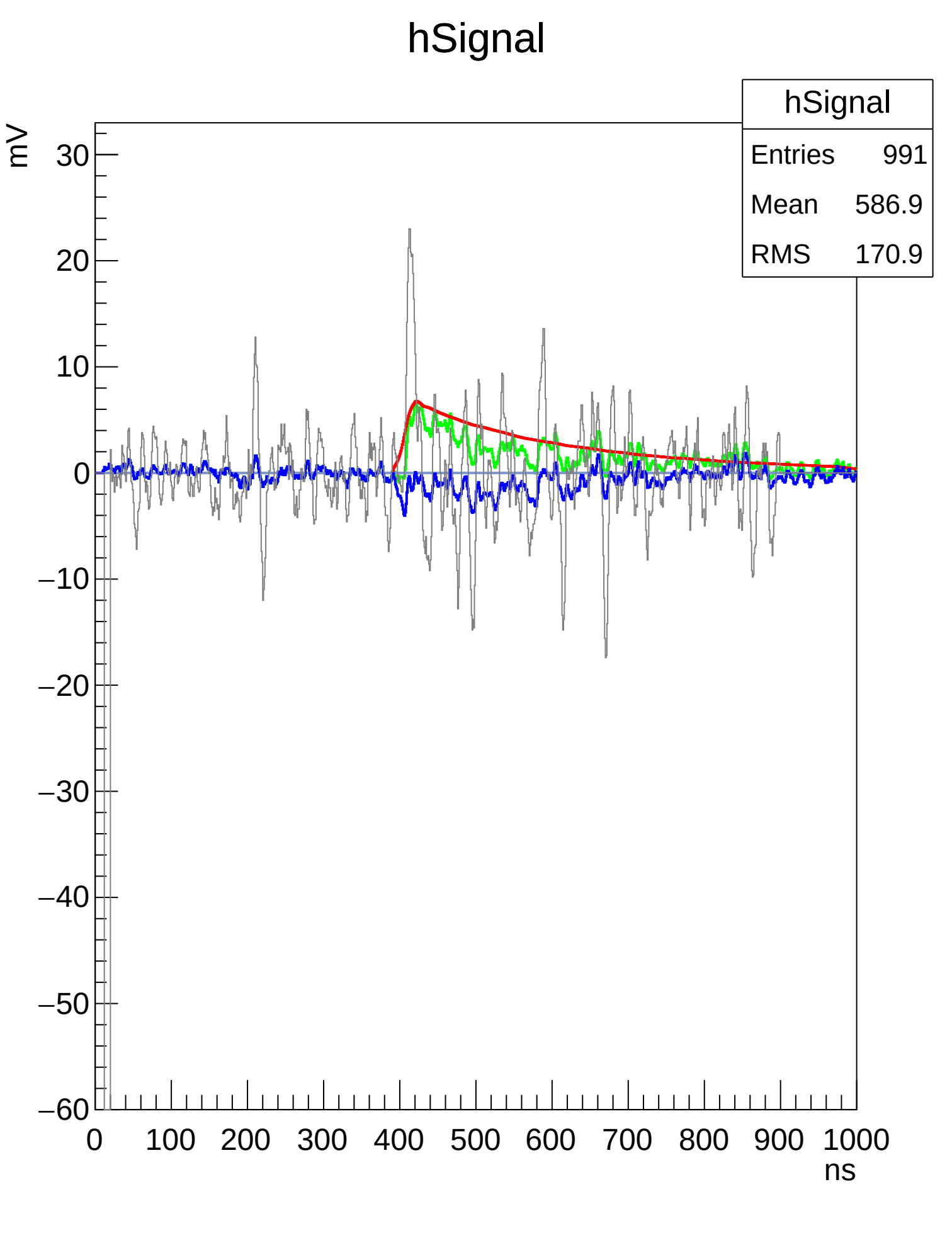
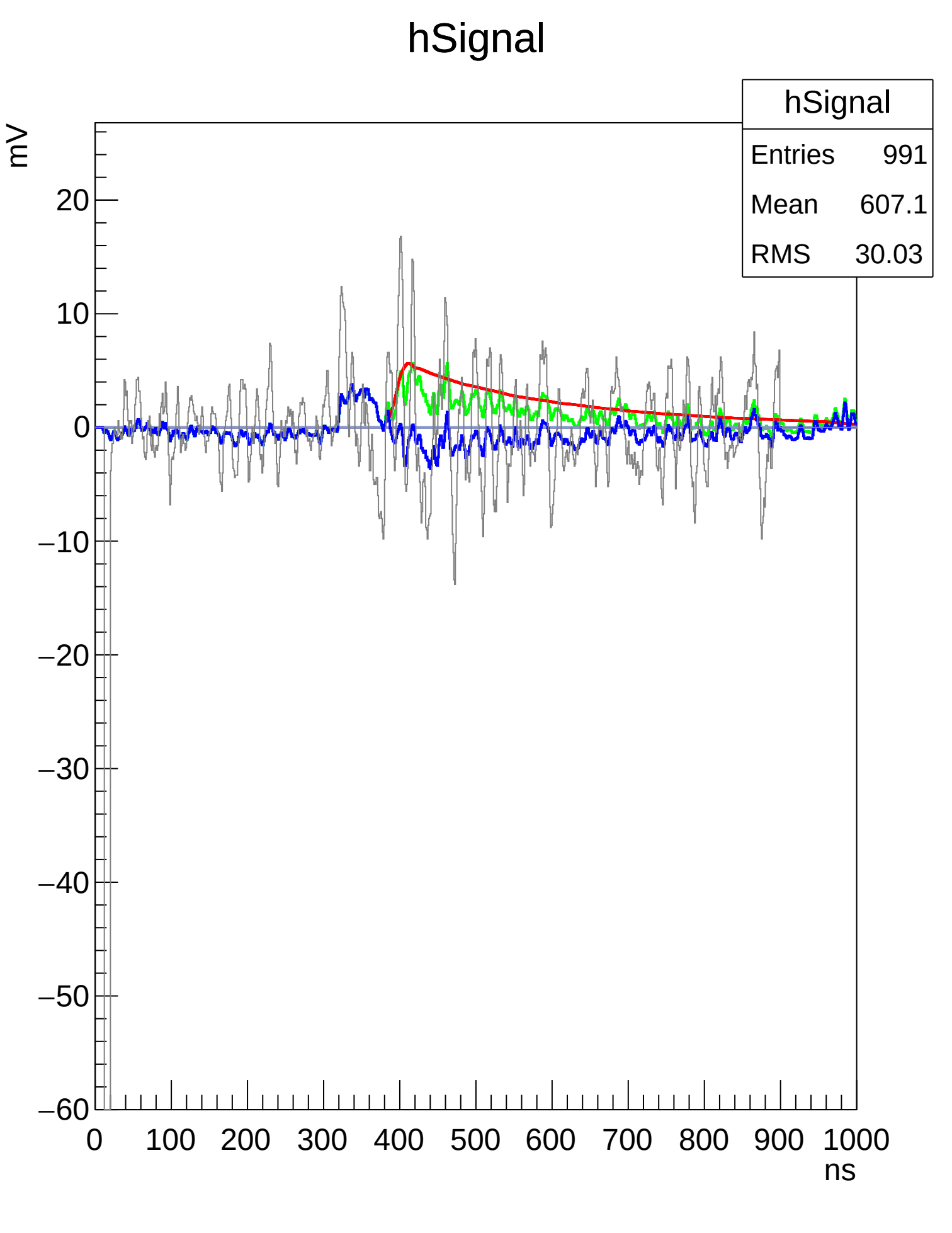
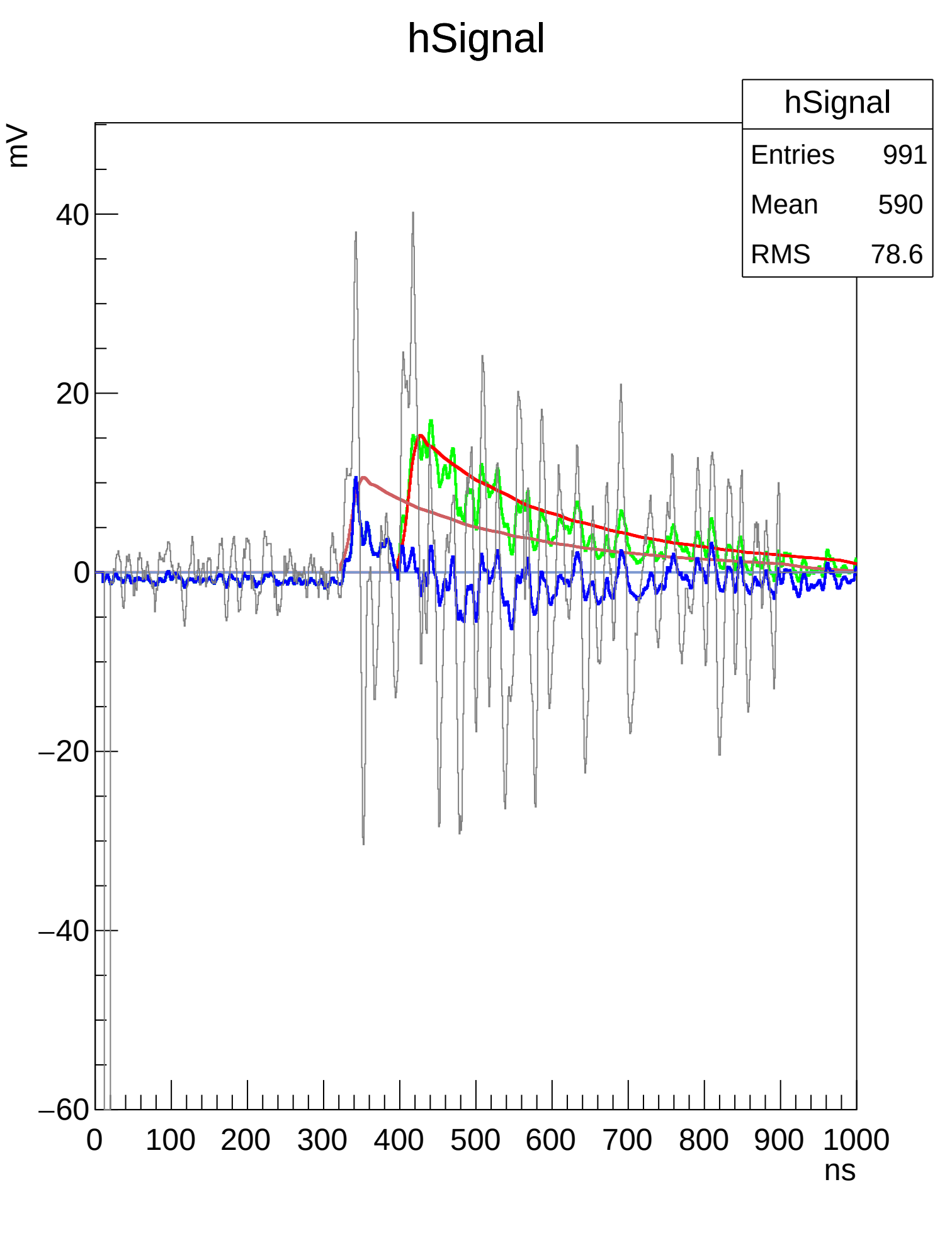
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.9
RMS 170.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.1
RMS 30.03
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 78.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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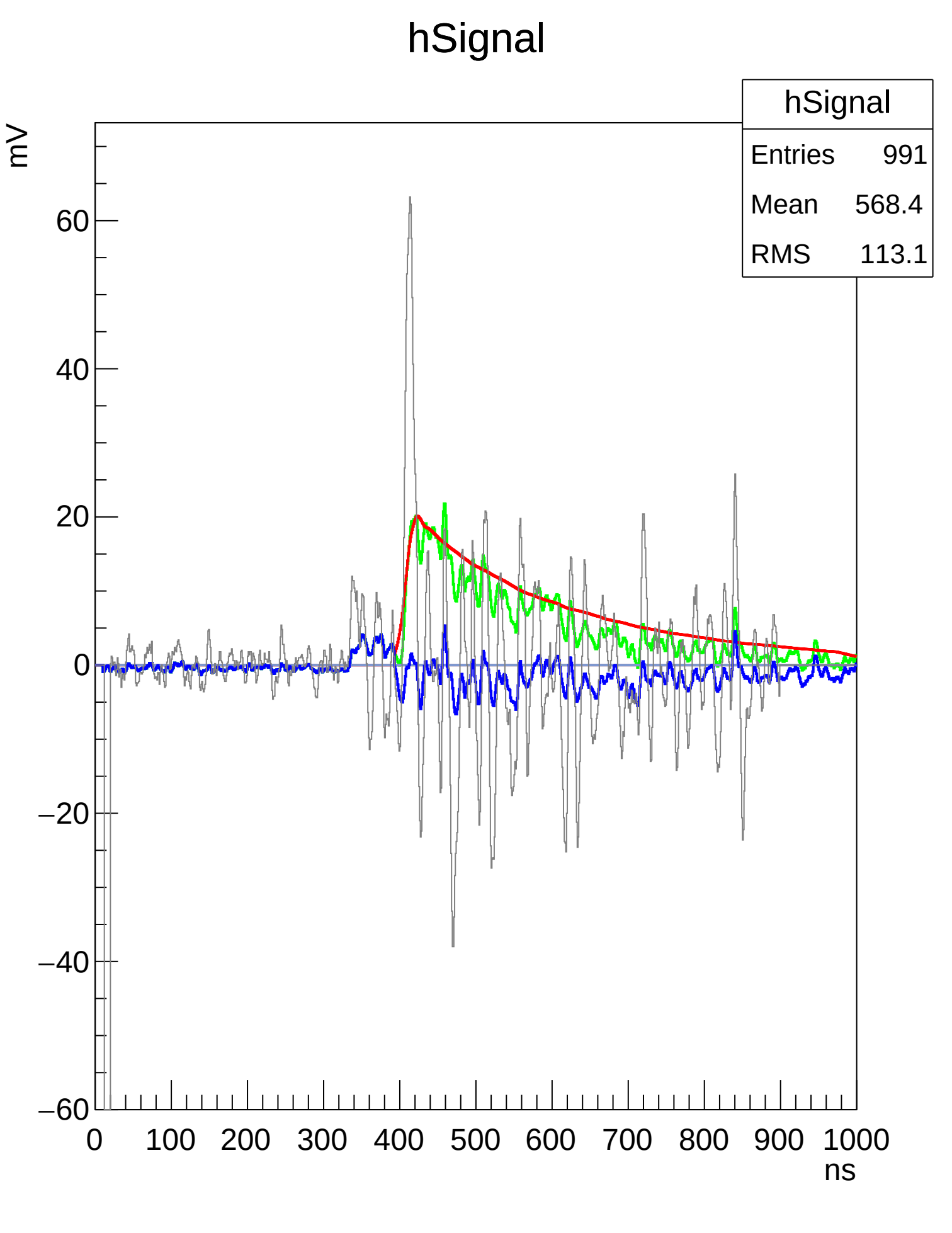
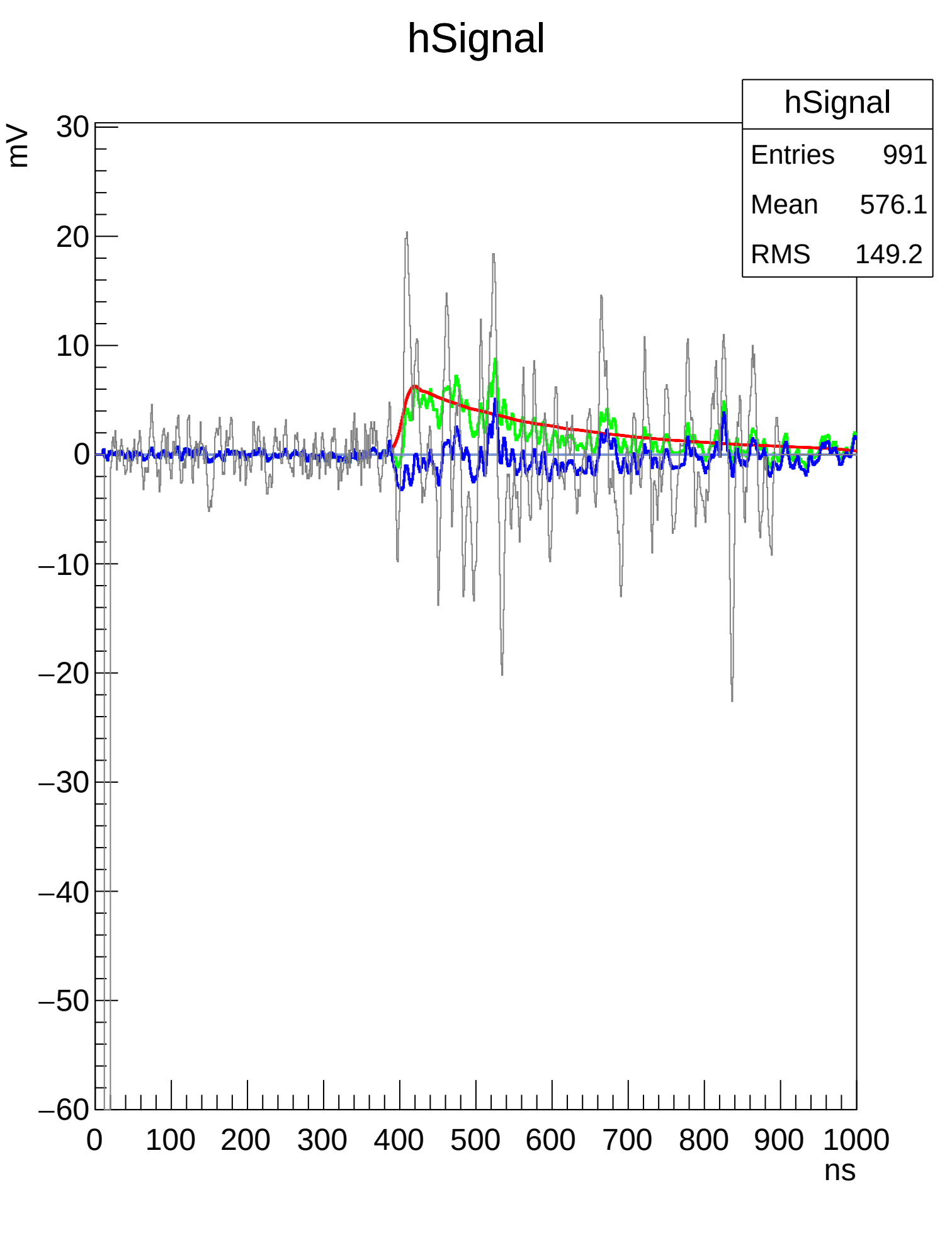
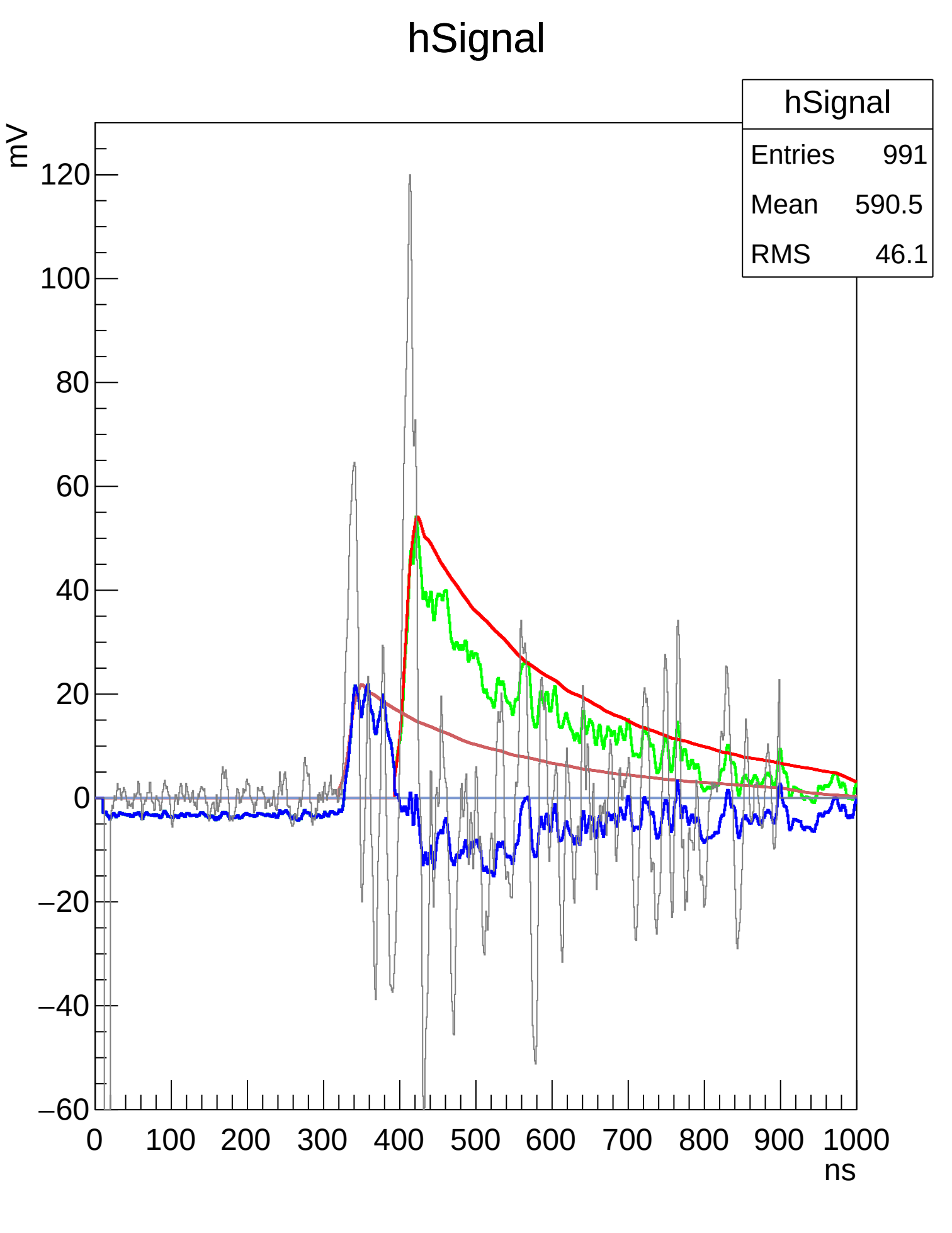
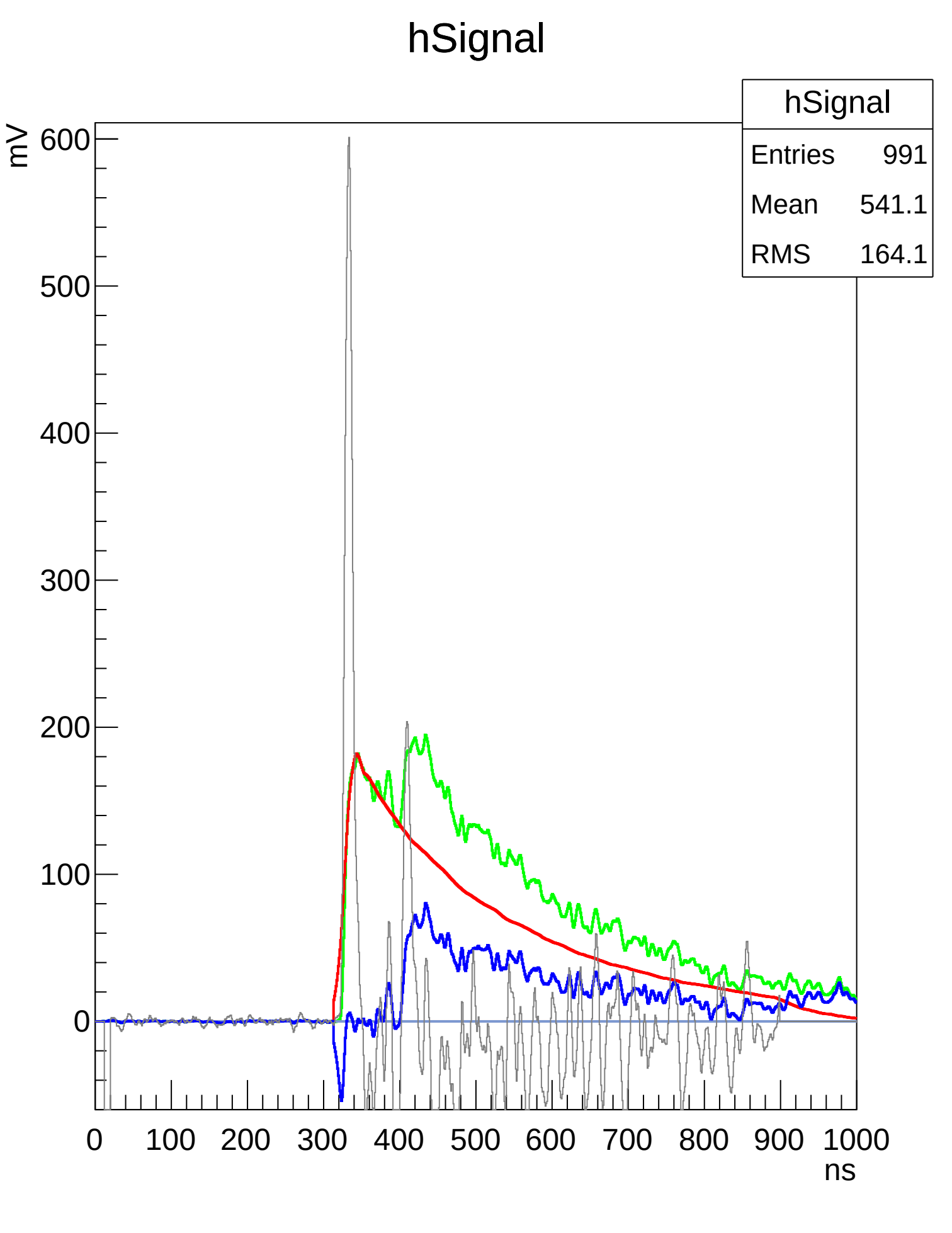
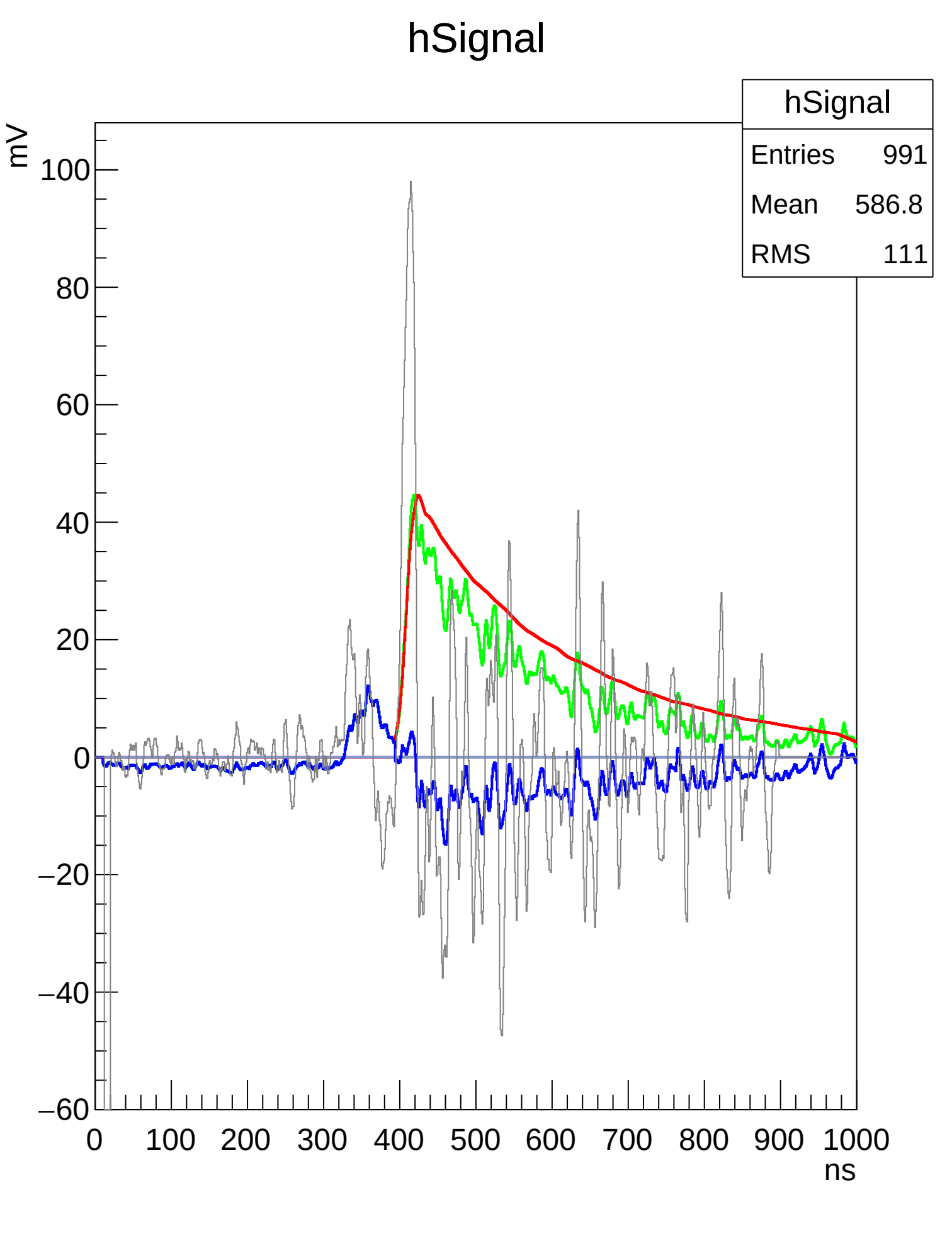
600
700
800
900
1000
ns

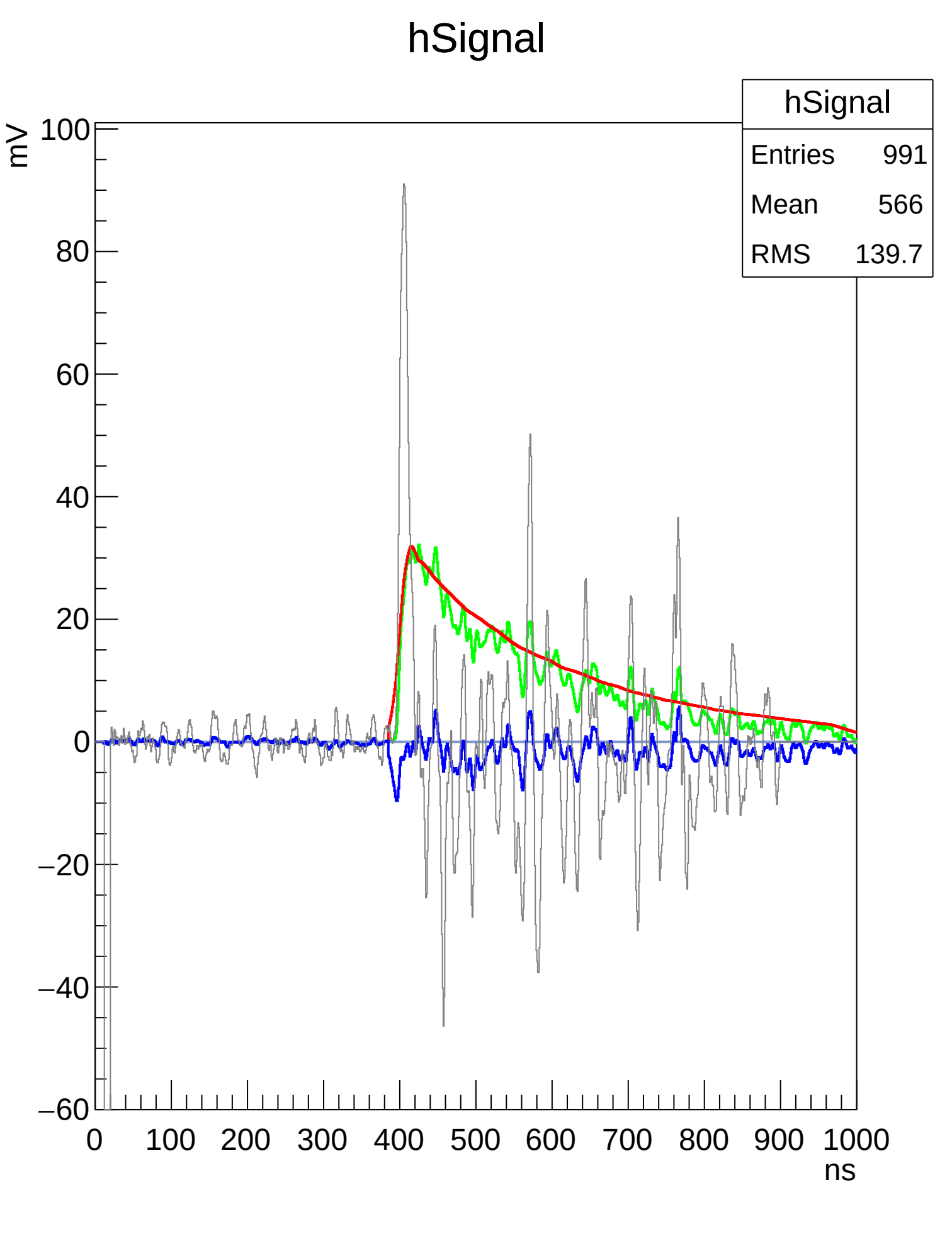

hSignal
hSignal
Entries 991
Mean 568.4
RMS 113.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

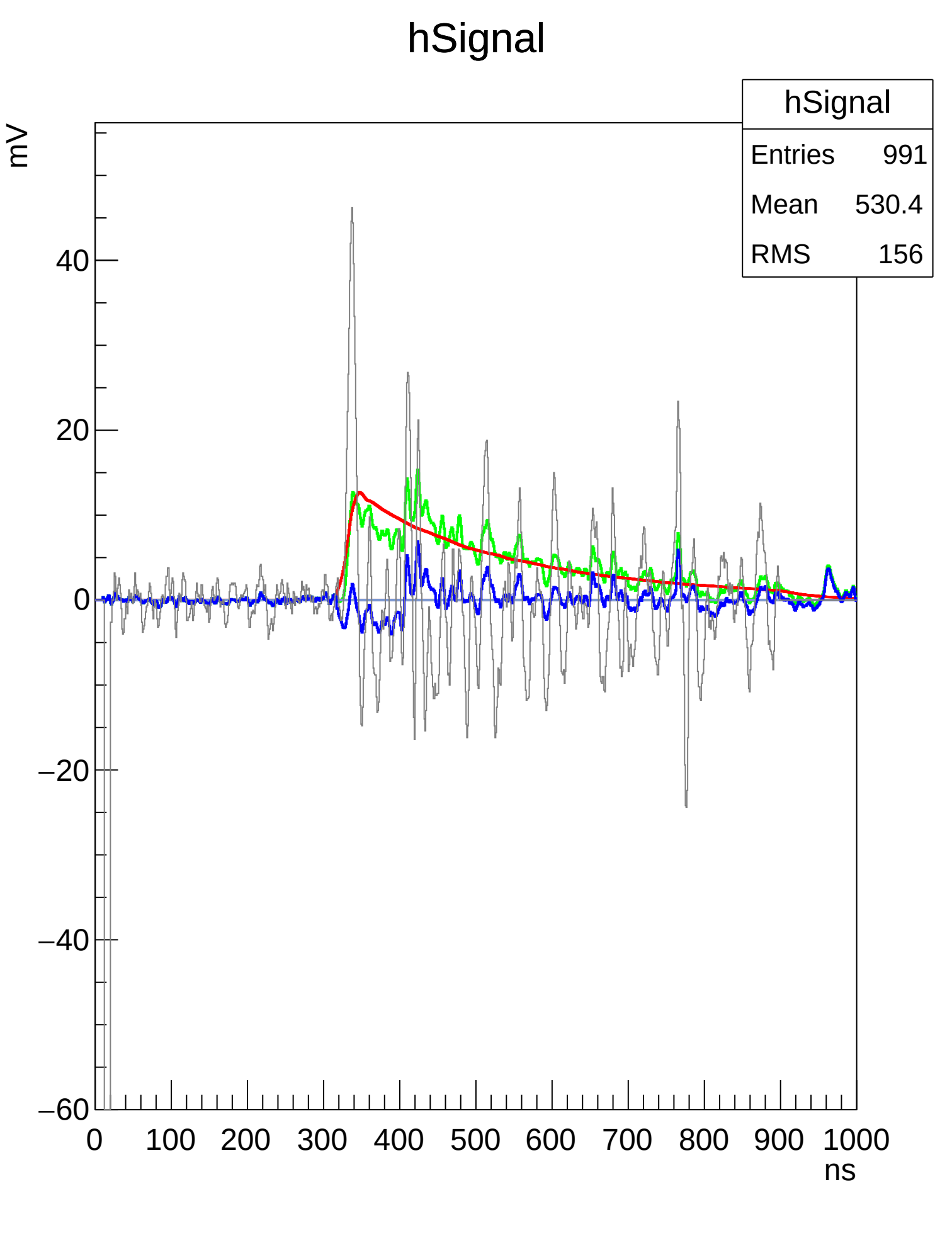

hSignal
hSignal
Entries 991
Mean 576.1
RMS 149.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

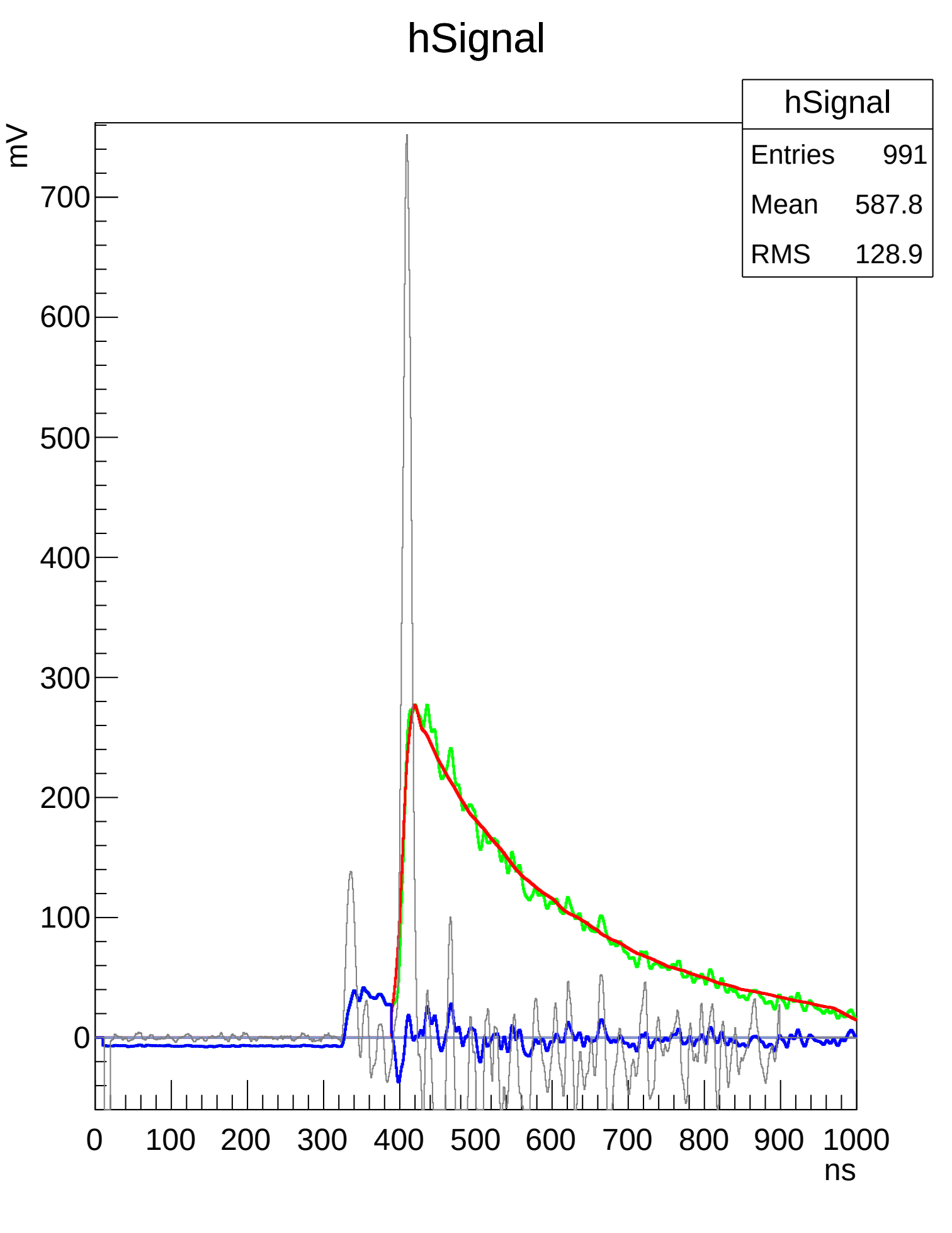

hSignal
hSignal
Entries 991
Mean 590.5
RMS 46.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

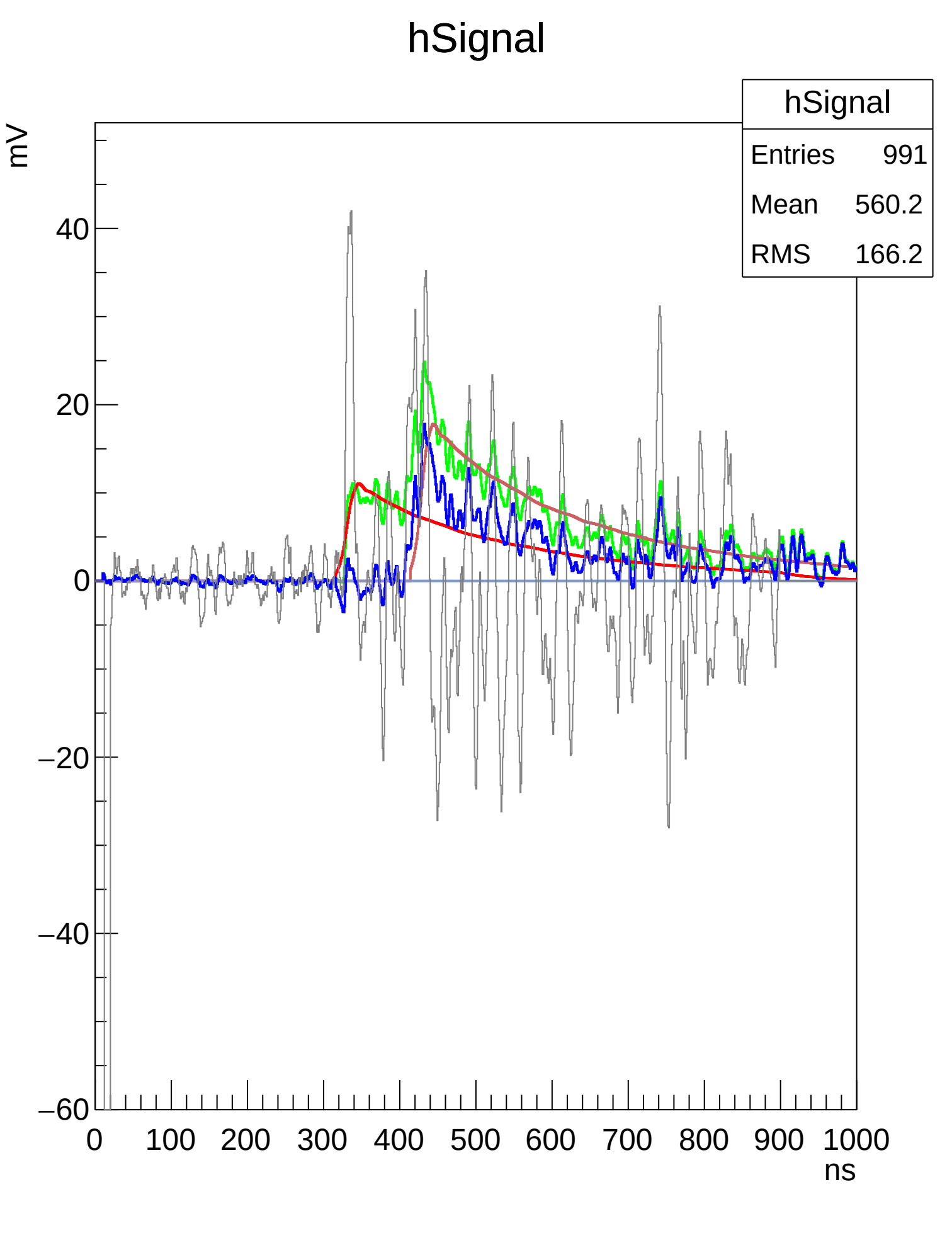

hSignal
hSignal
Entries 991
Mean 541.1
RMS 164.1
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

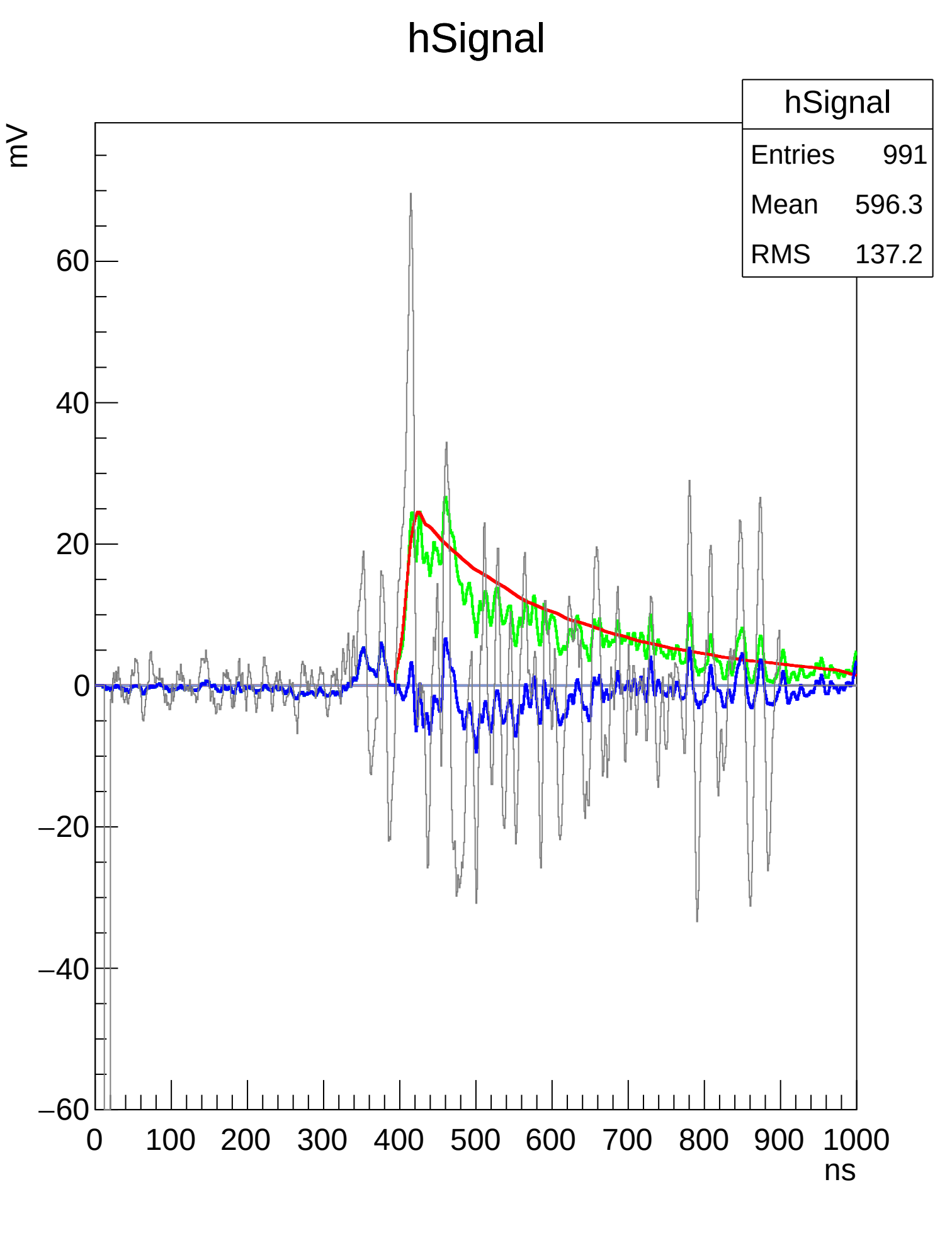

hSignal
hSignal
Entries 991
Mean 586.8
RMS 111
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

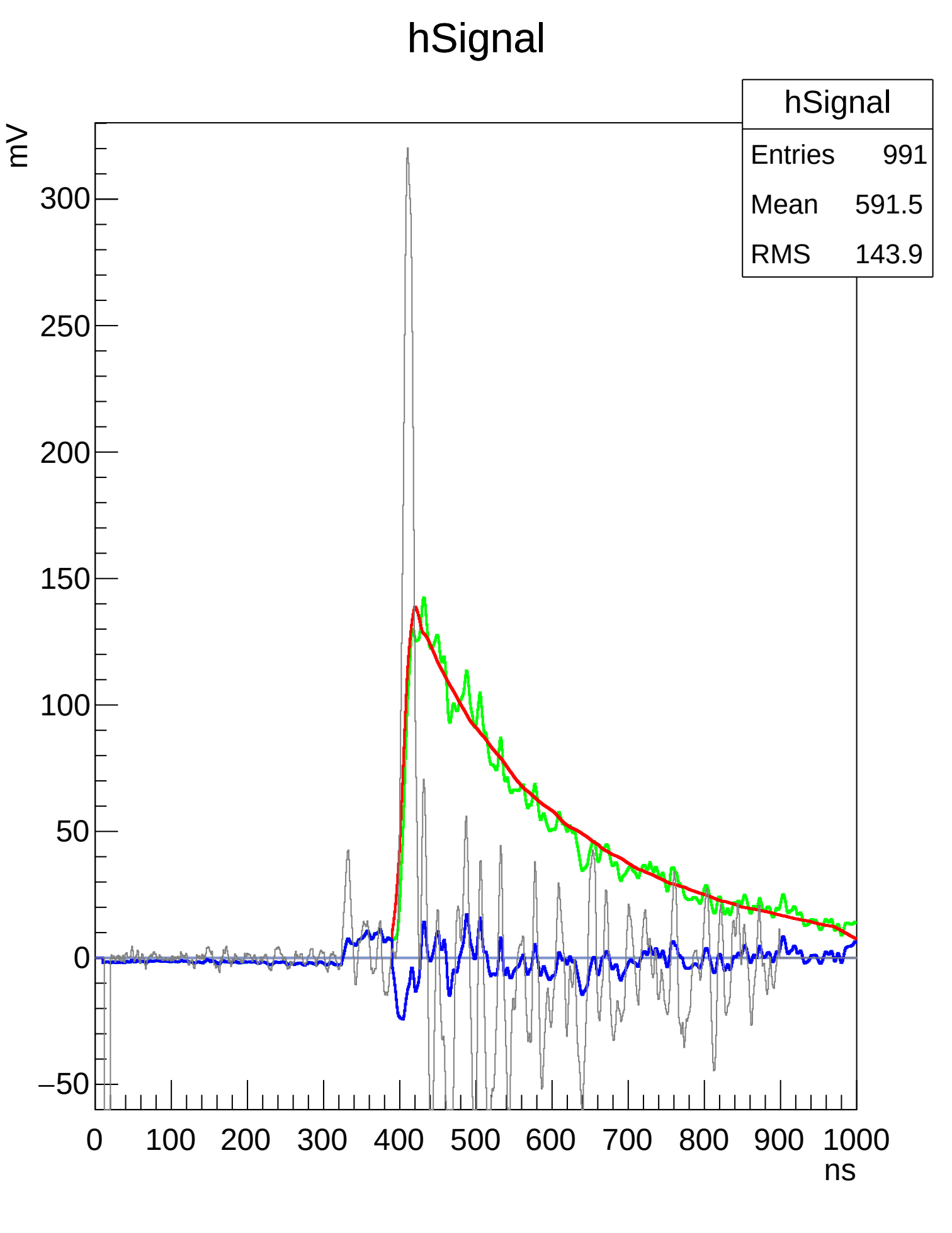

hSignal
hSignal
Entries 991
Mean 566
RMS 139.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

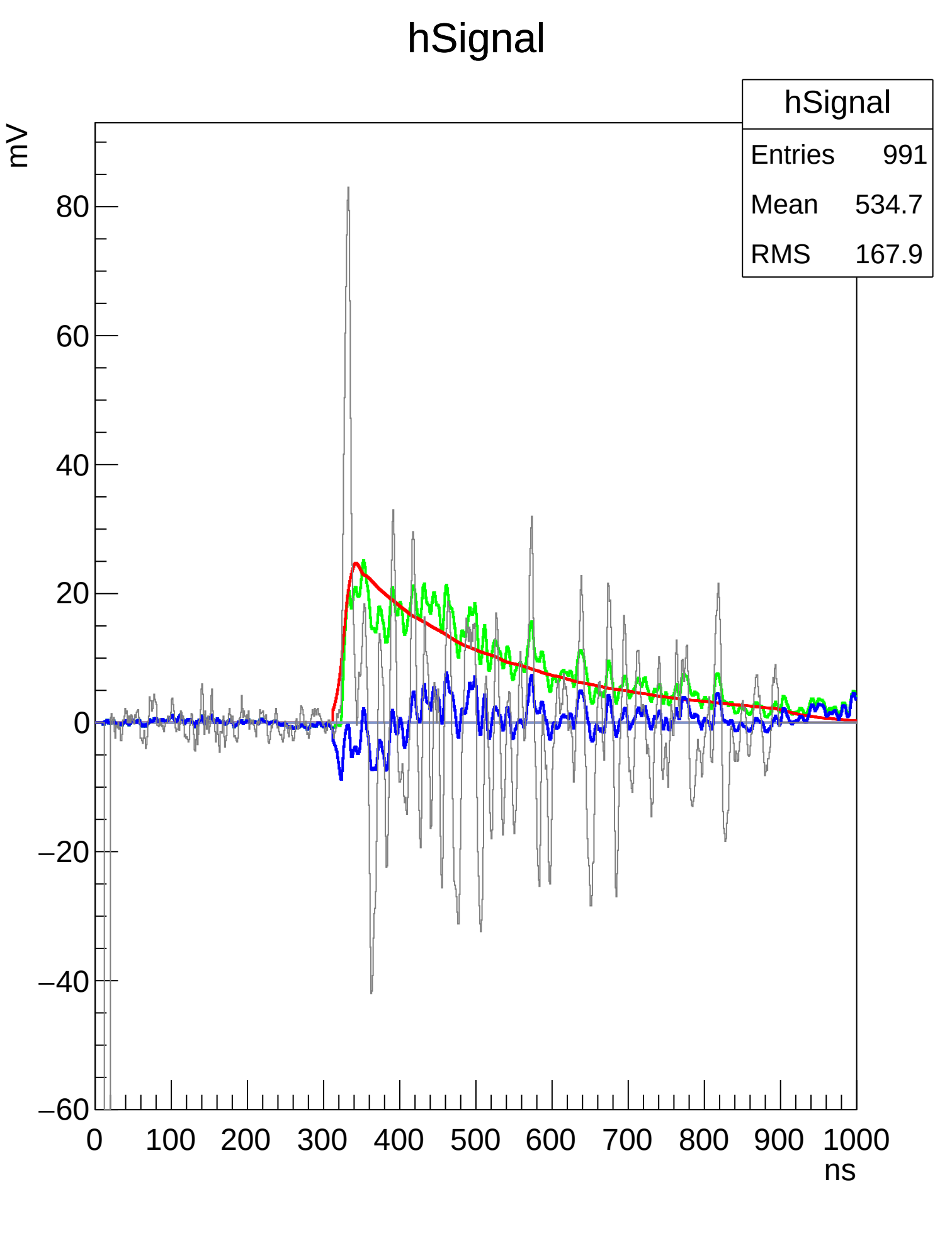

hSignal
hSignal
Entries 991
Mean 530.4
RMS 156
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 128.9
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.2
RMS 166.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.3
RMS 137.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.5
RMS 143.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.7
RMS 167.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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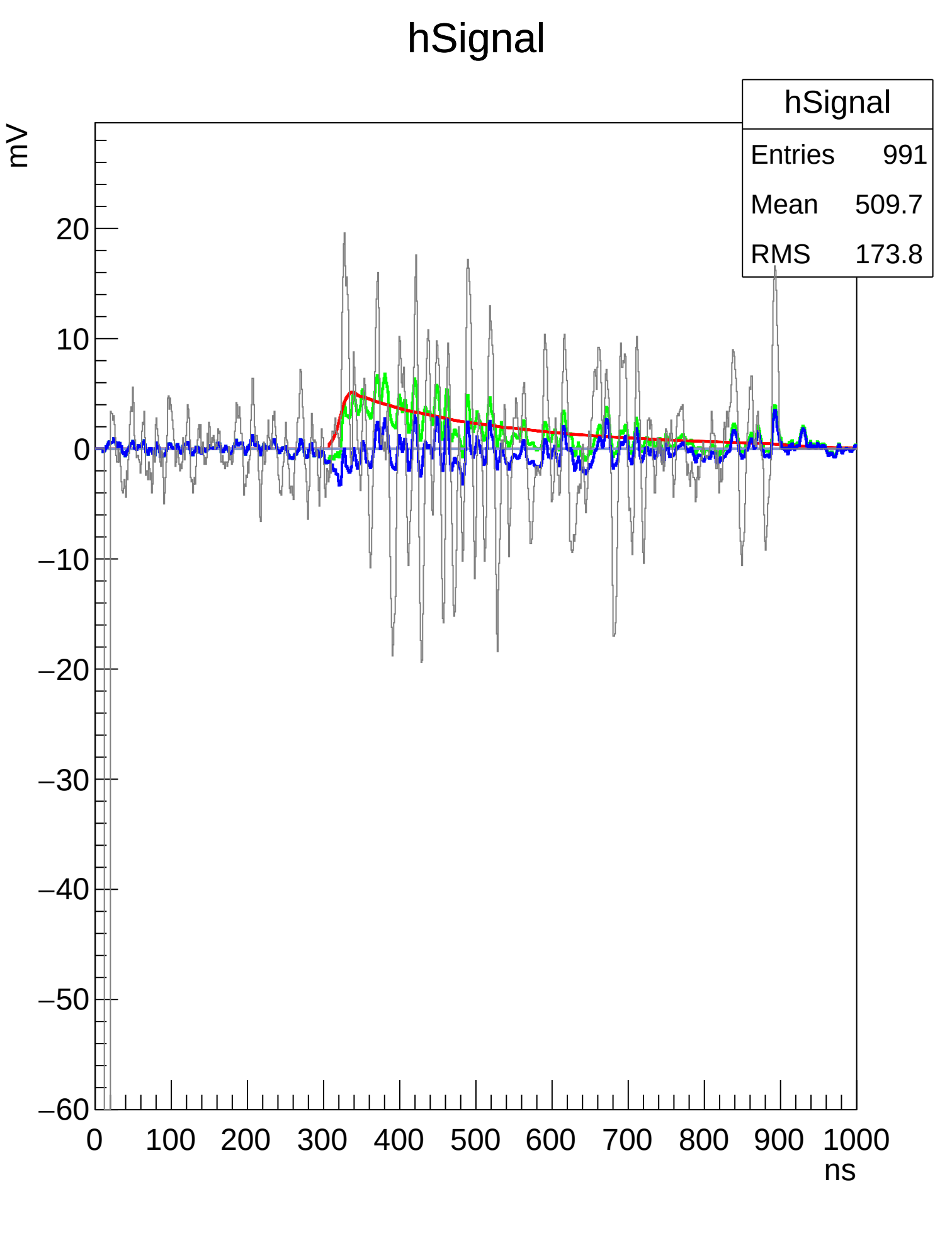
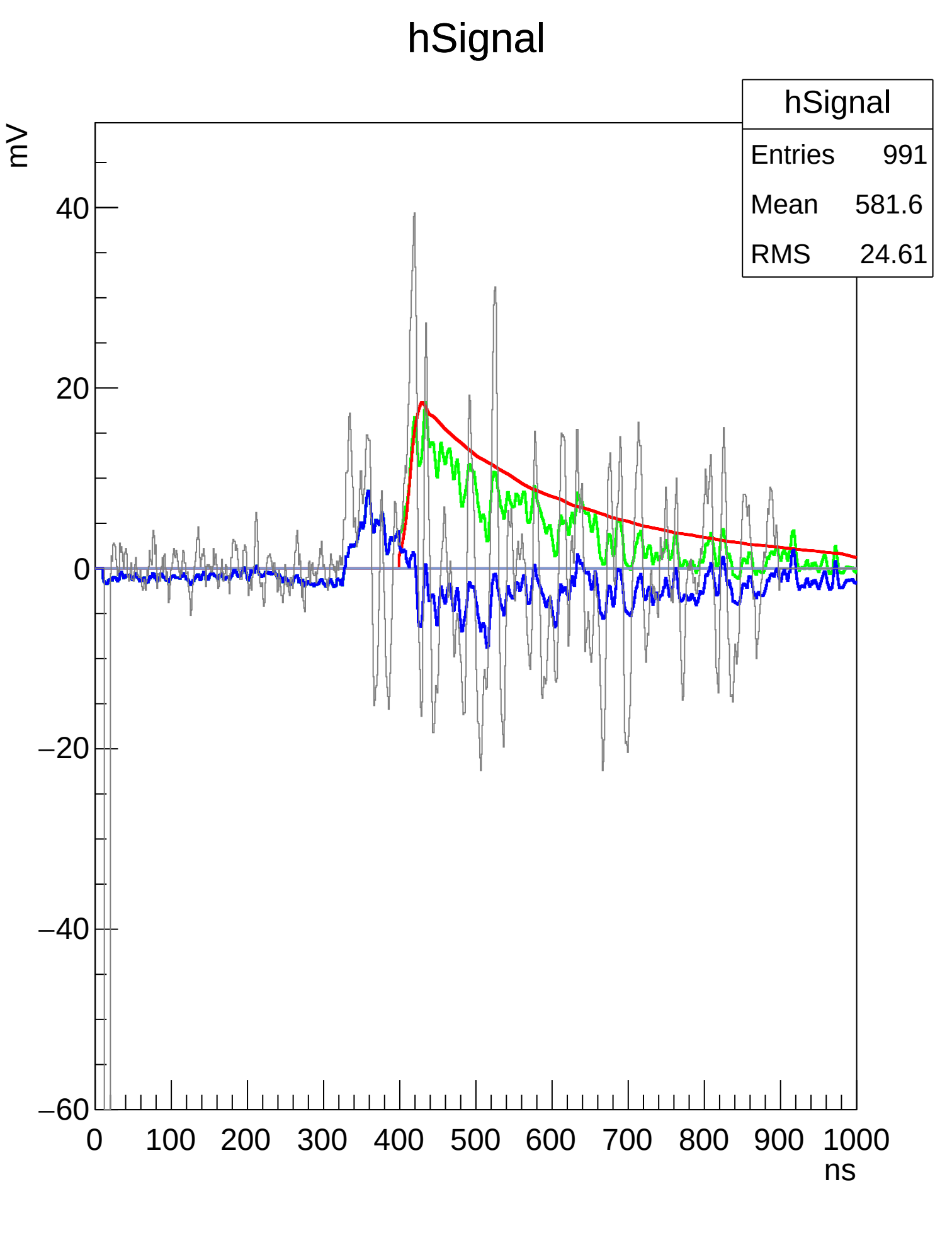
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.7
RMS 173.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.6
RMS 24.61
mV
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0
−20
−40
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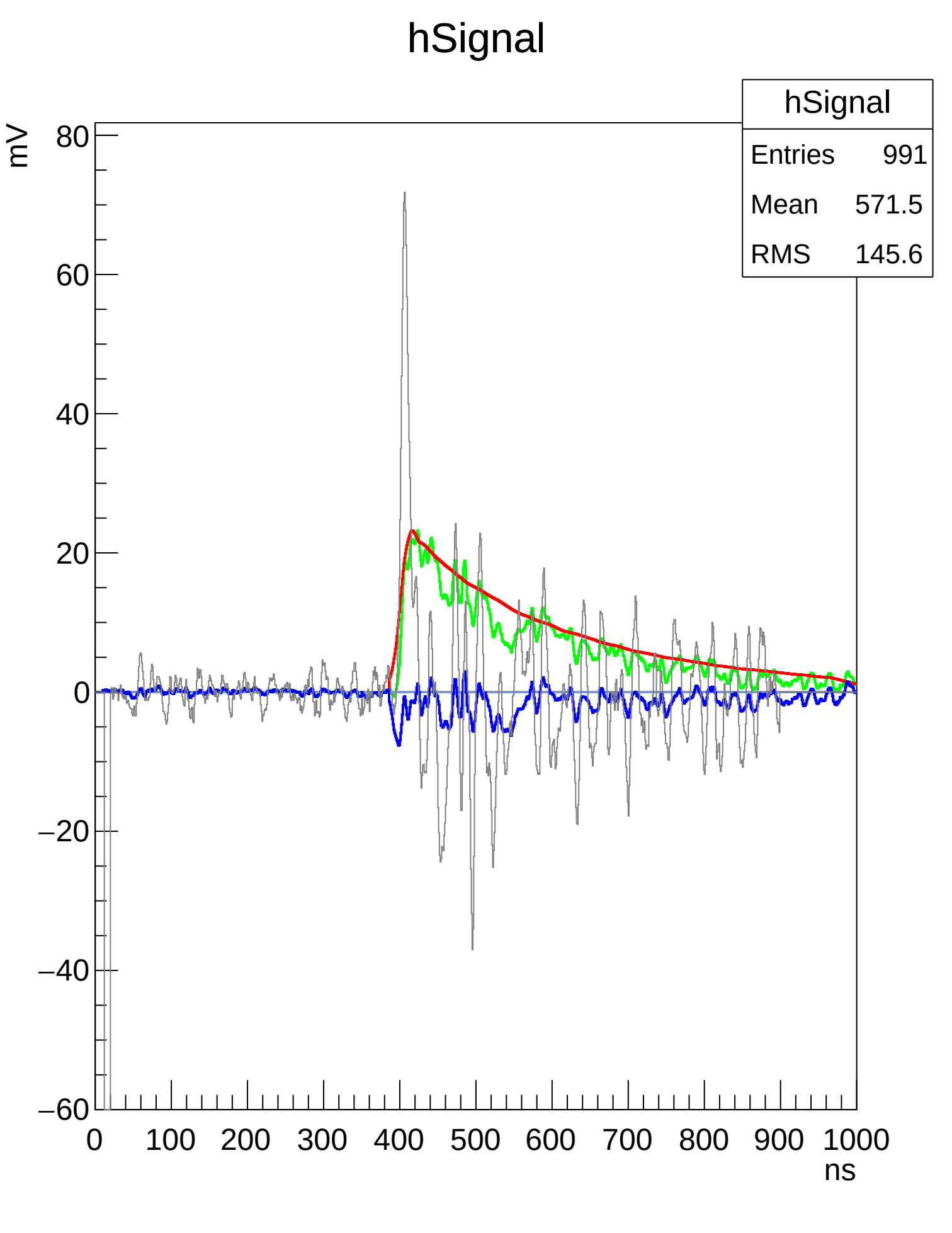
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 145.6
mV
80
60
40
20
0
−20
−40
−60
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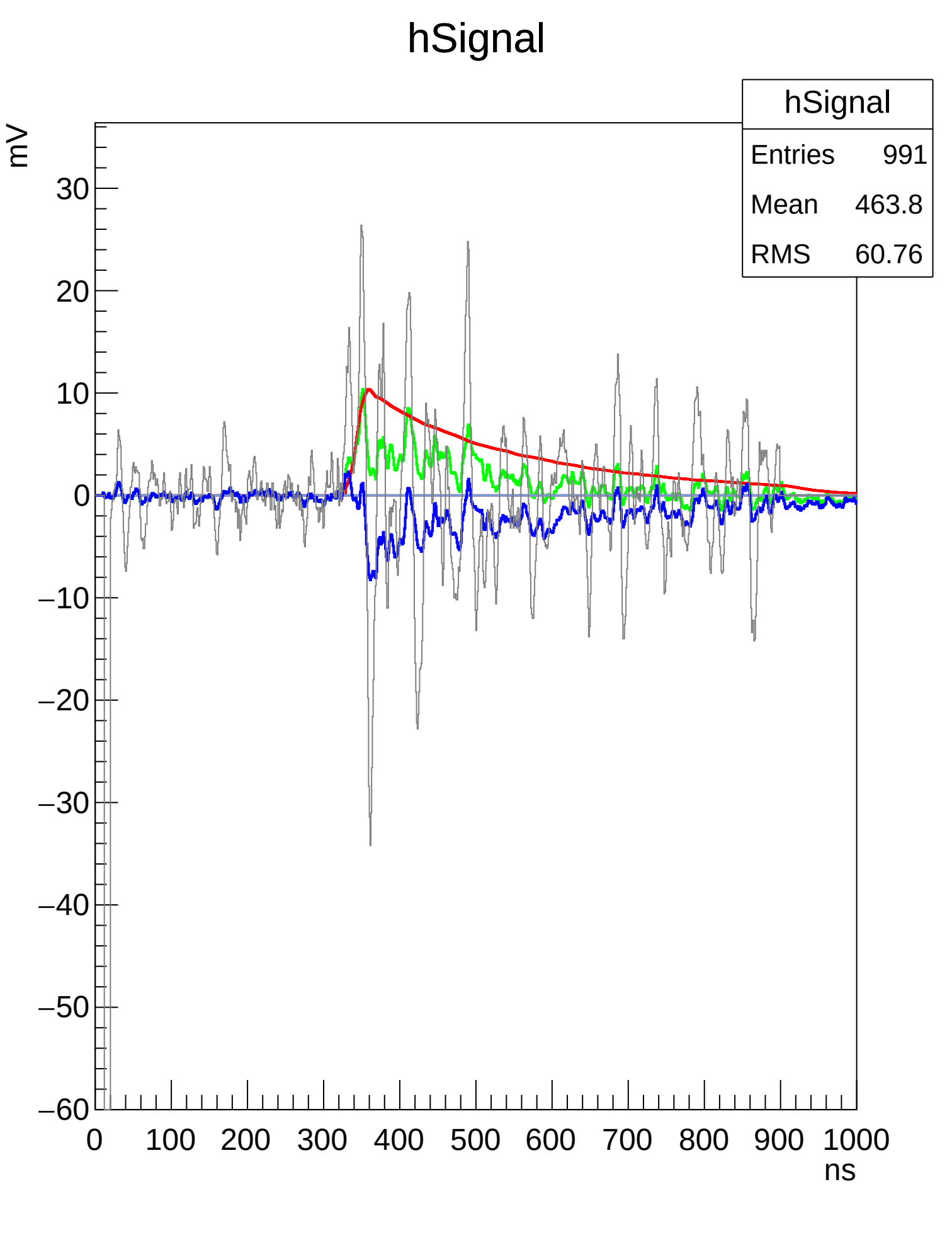
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 463.8
RMS 60.76
mV
30
20
10
0
−10
−20
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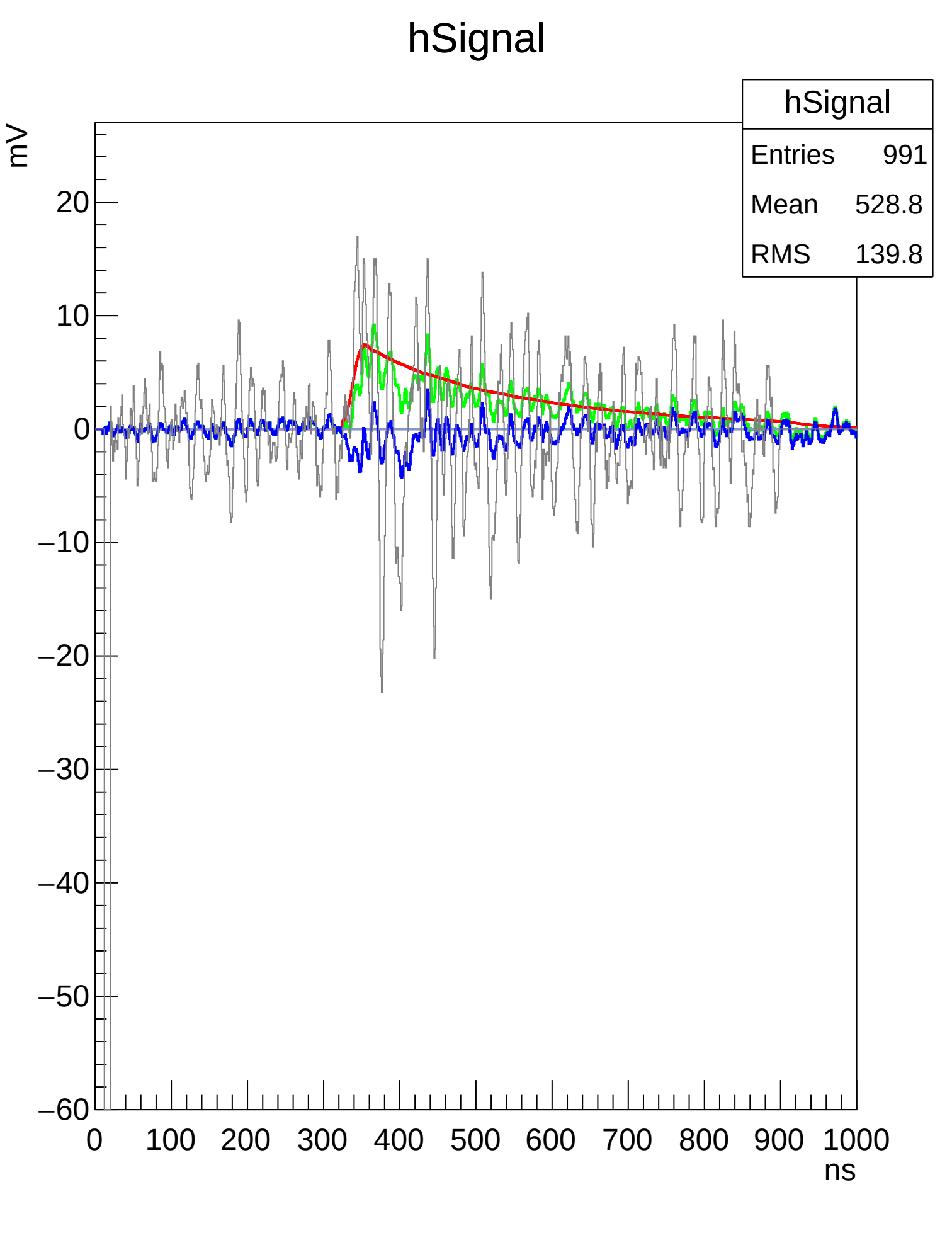
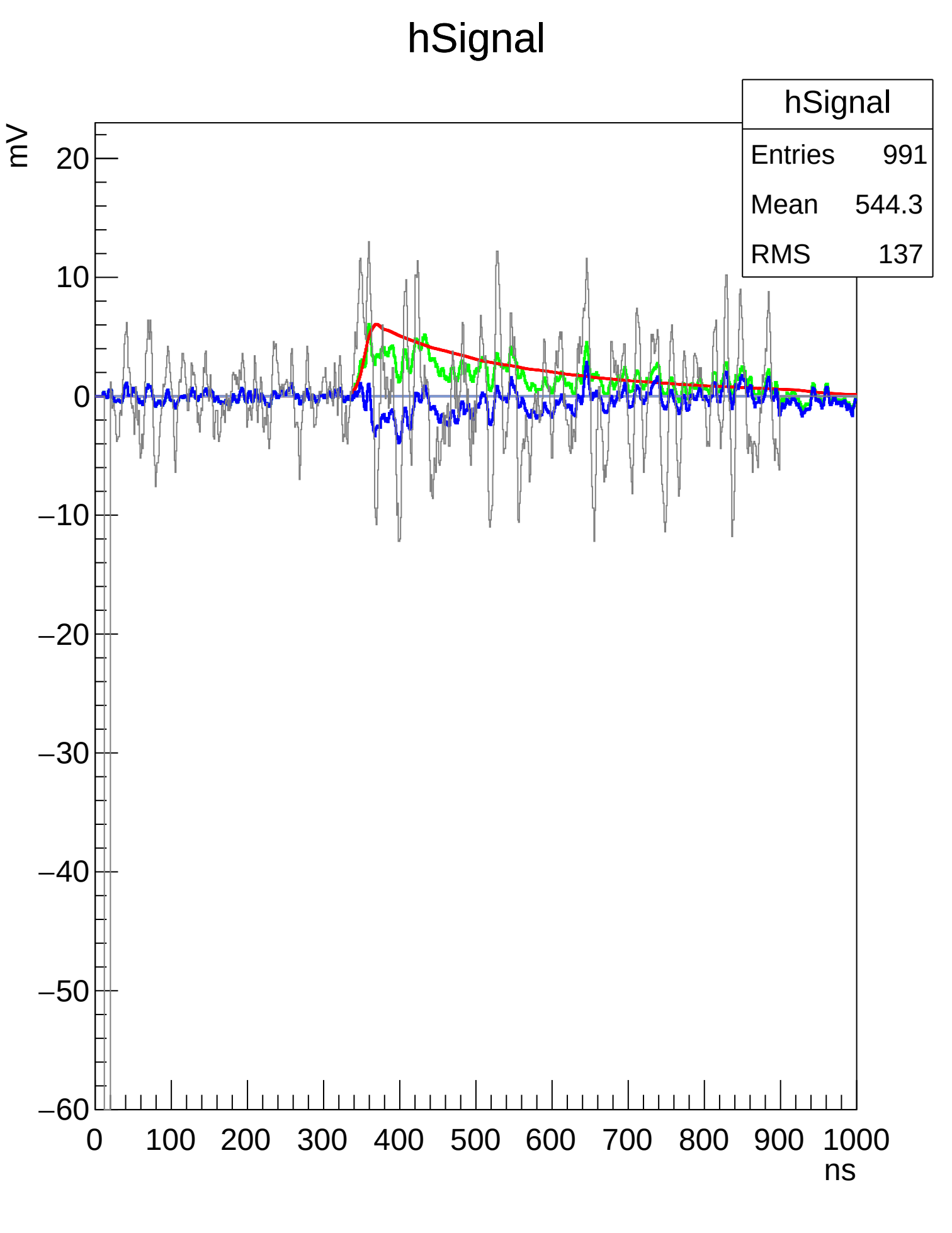
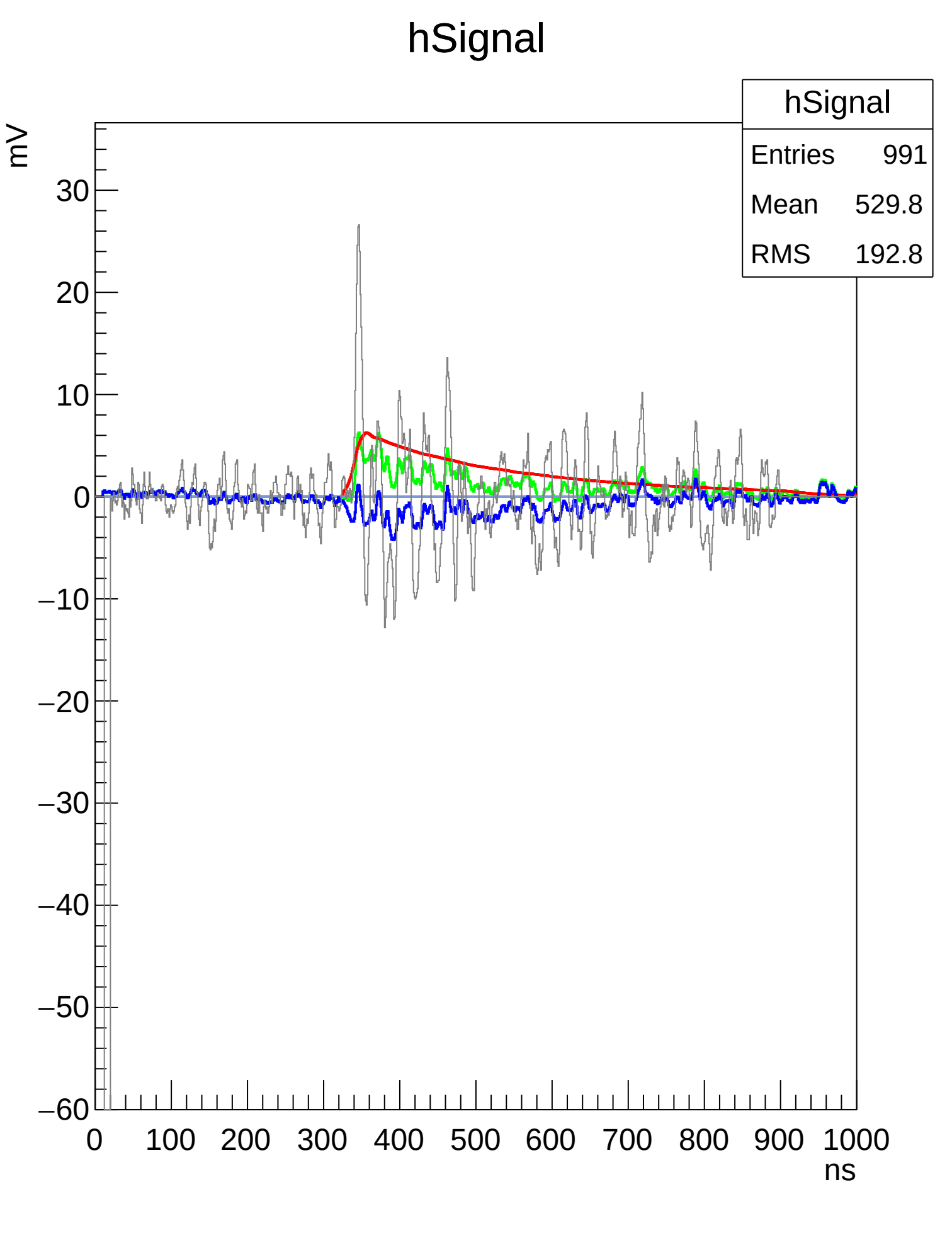
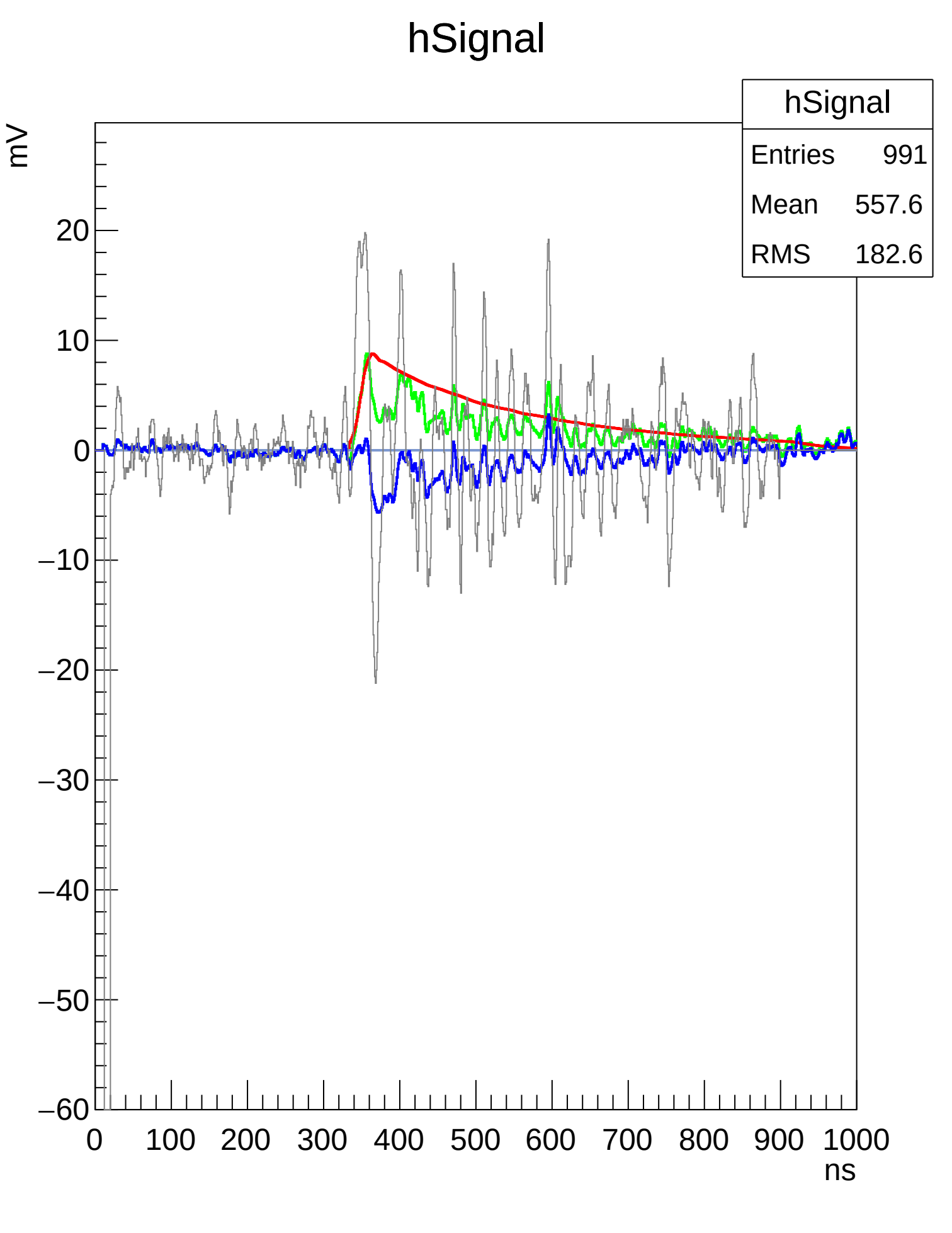
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.8
RMS 139.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.3
RMS 137
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.8
RMS 192.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.6
RMS 182.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
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100
200
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400
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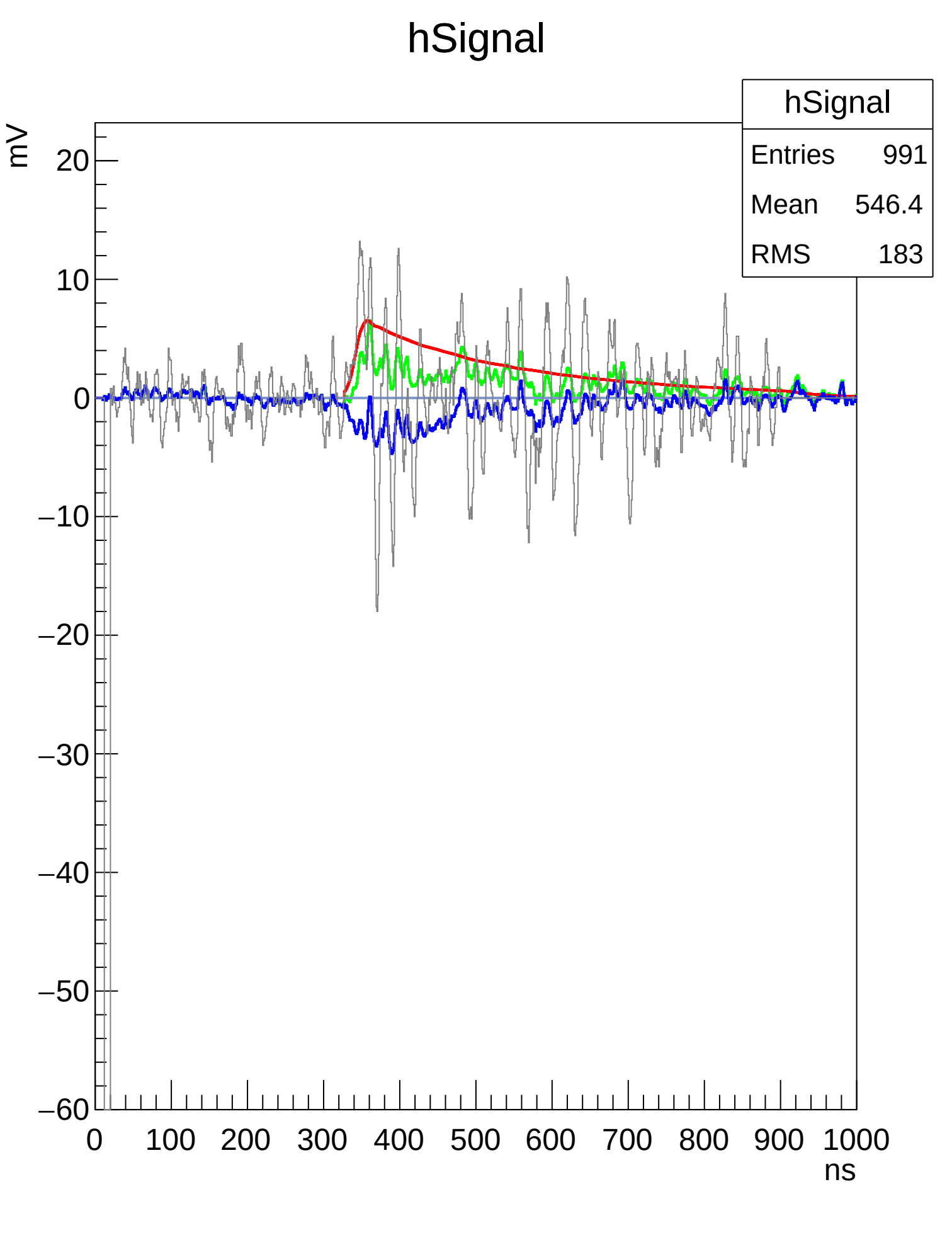
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.4
RMS 183
mV
20
10
0
−10
−20
−30
−40
−50
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200
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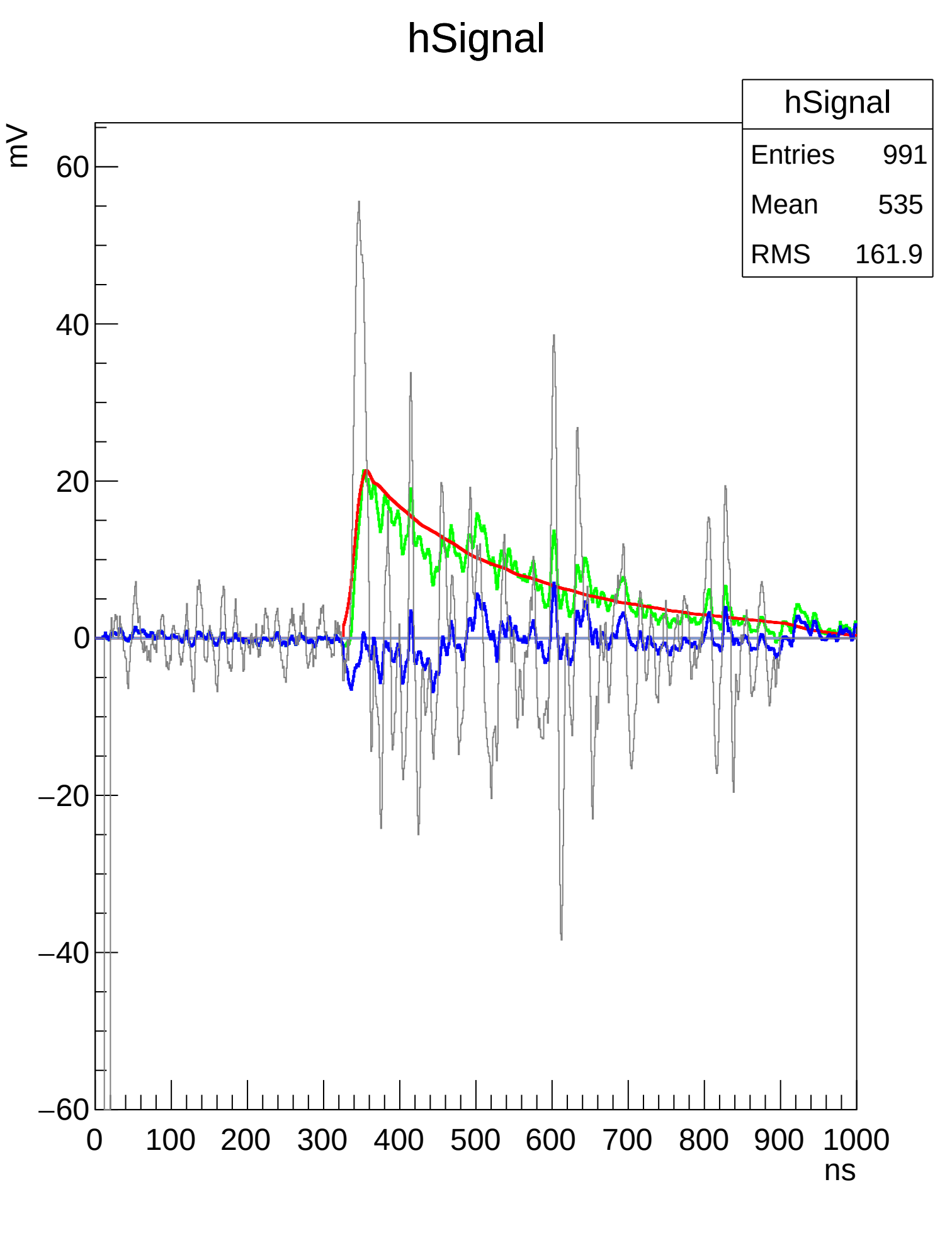
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535
RMS 161.9
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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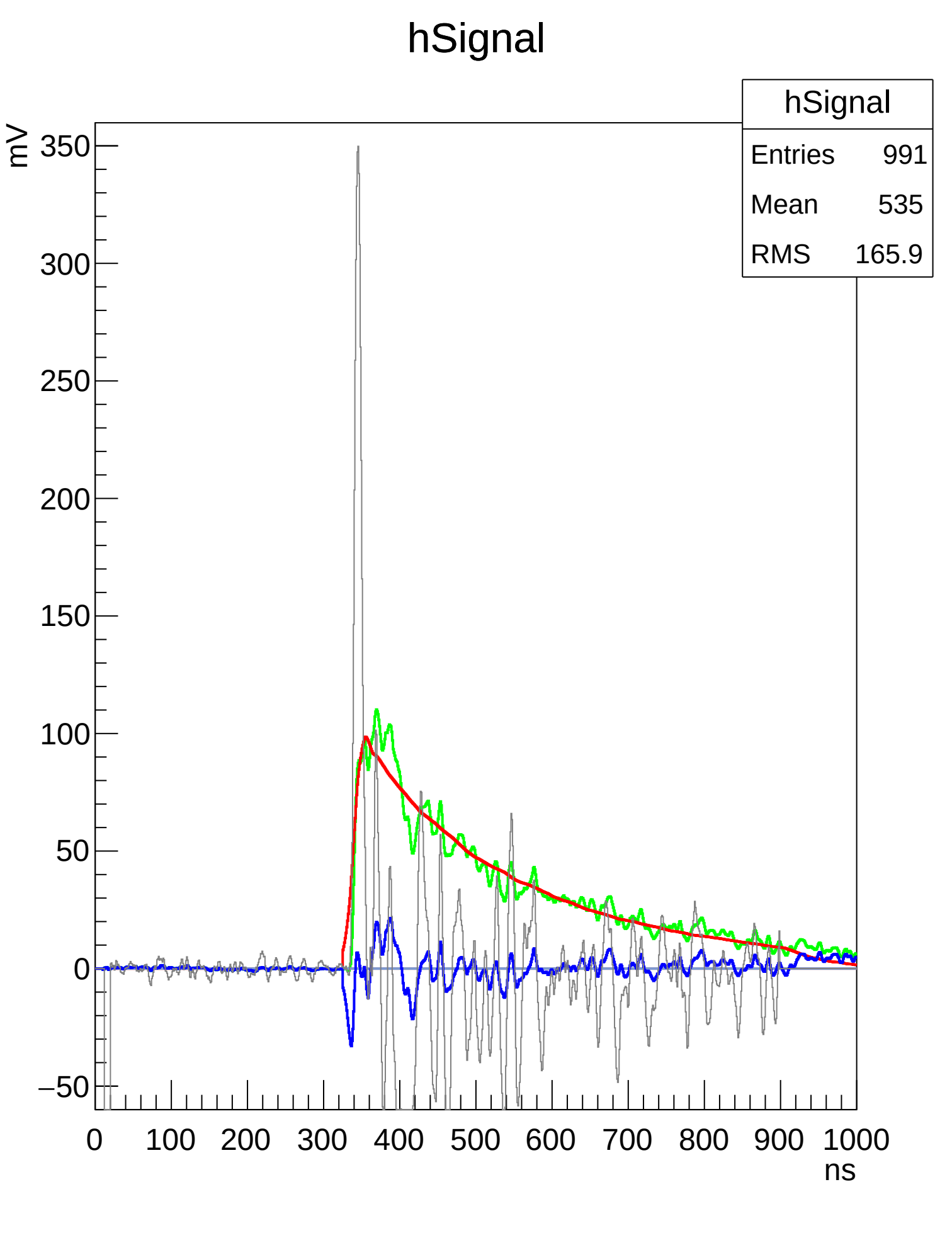
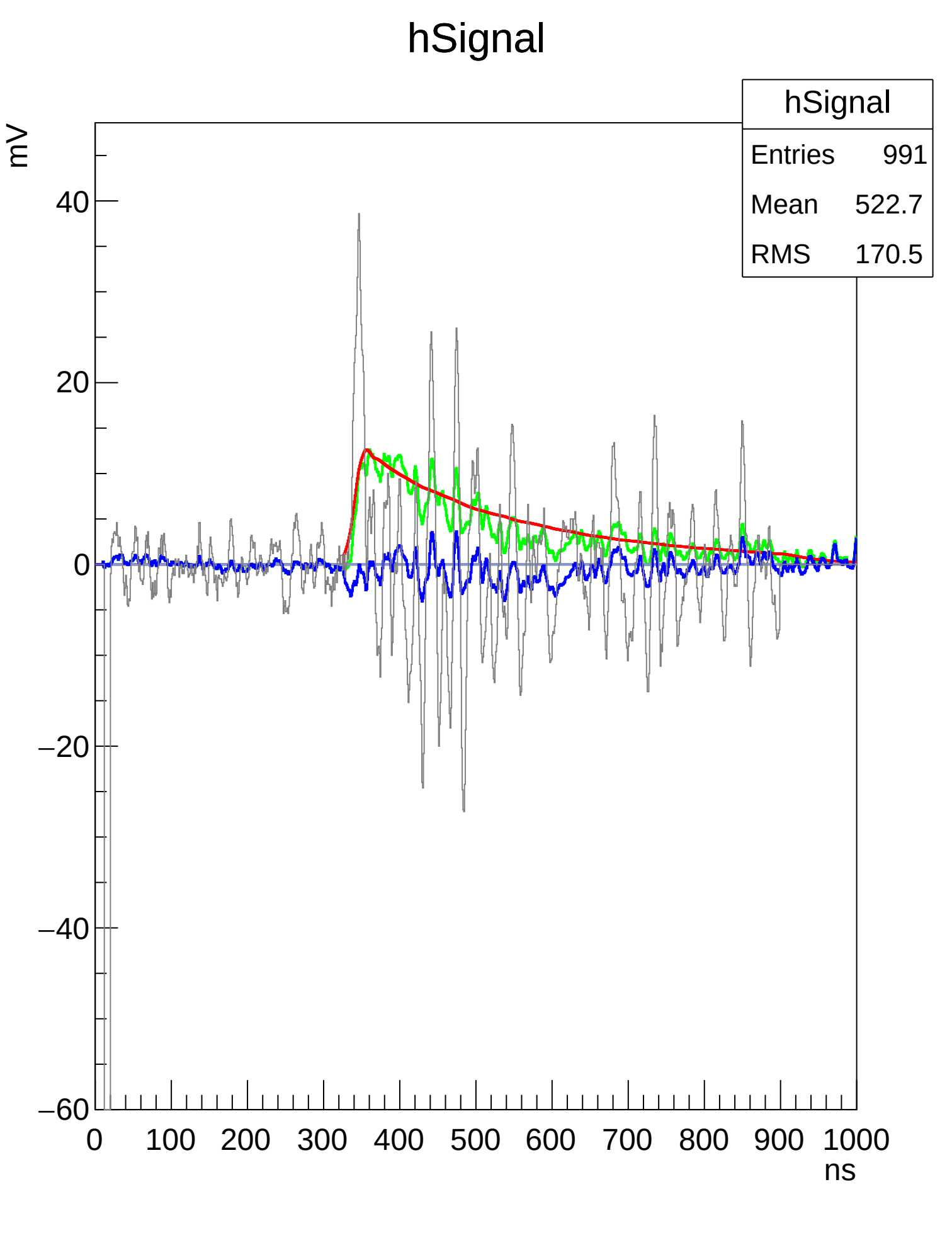
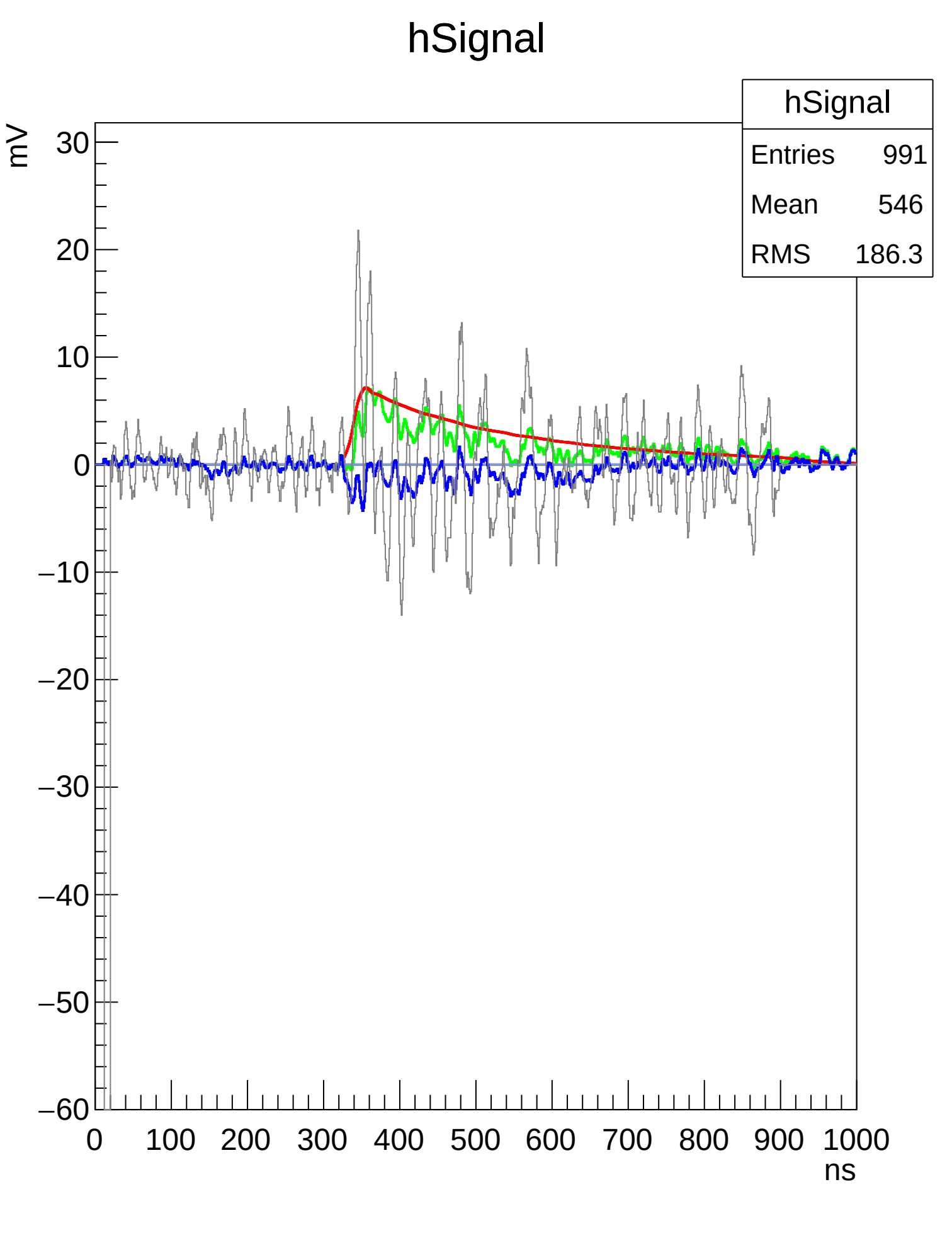
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535
RMS 165.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.7
RMS 170.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546
RMS 186.3
mV
30
20
10
0
−10
−20
−30
−40
−50
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0
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200
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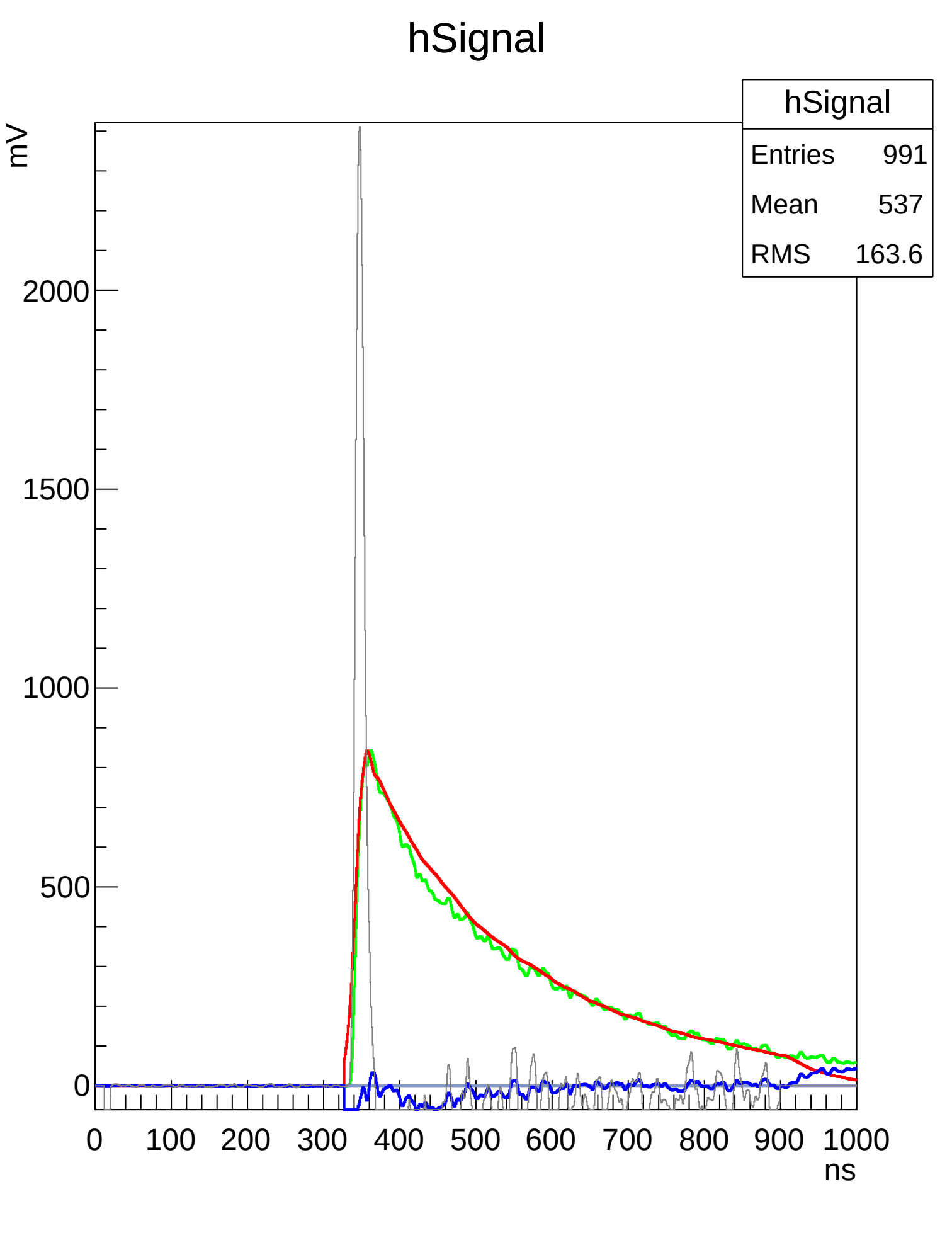
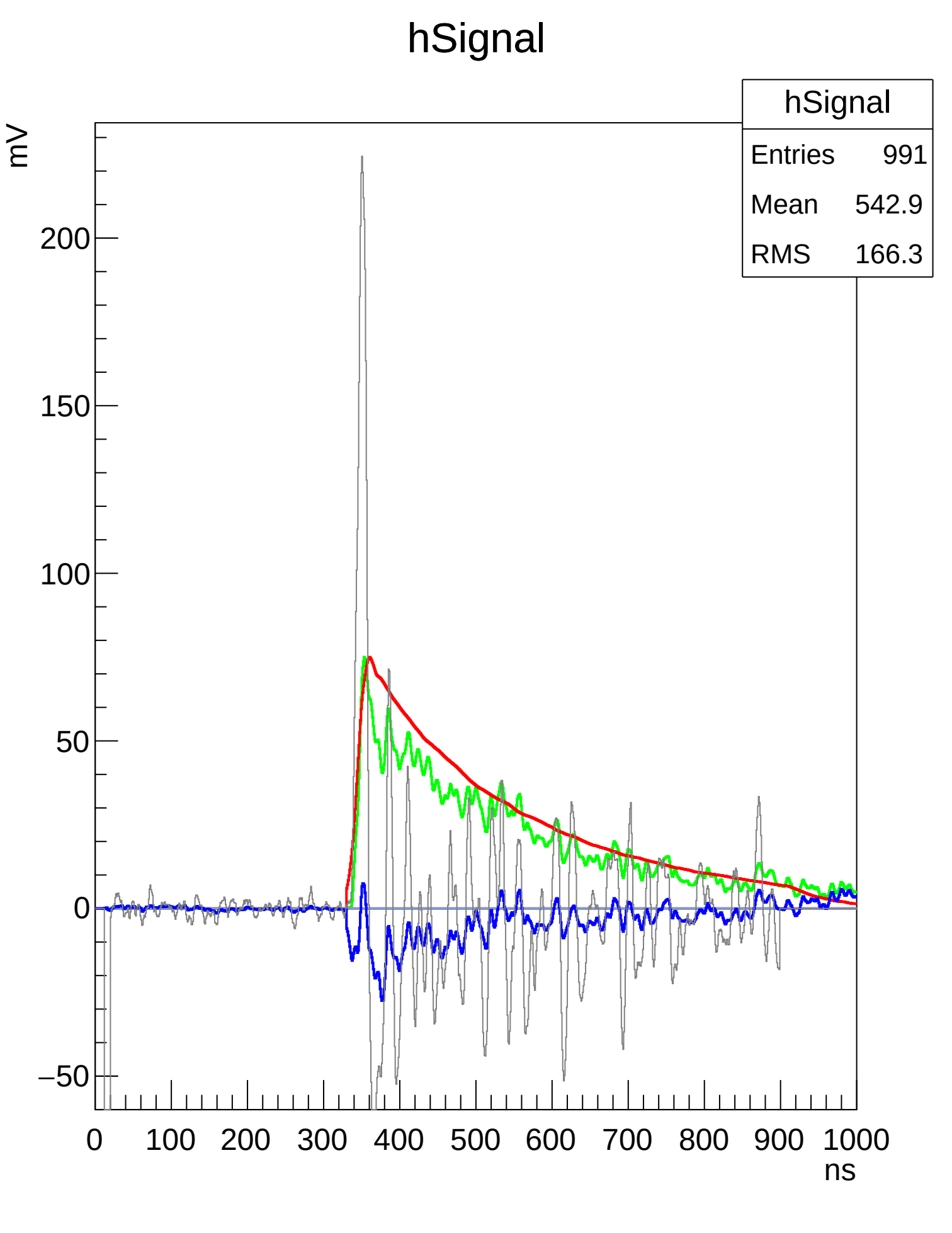
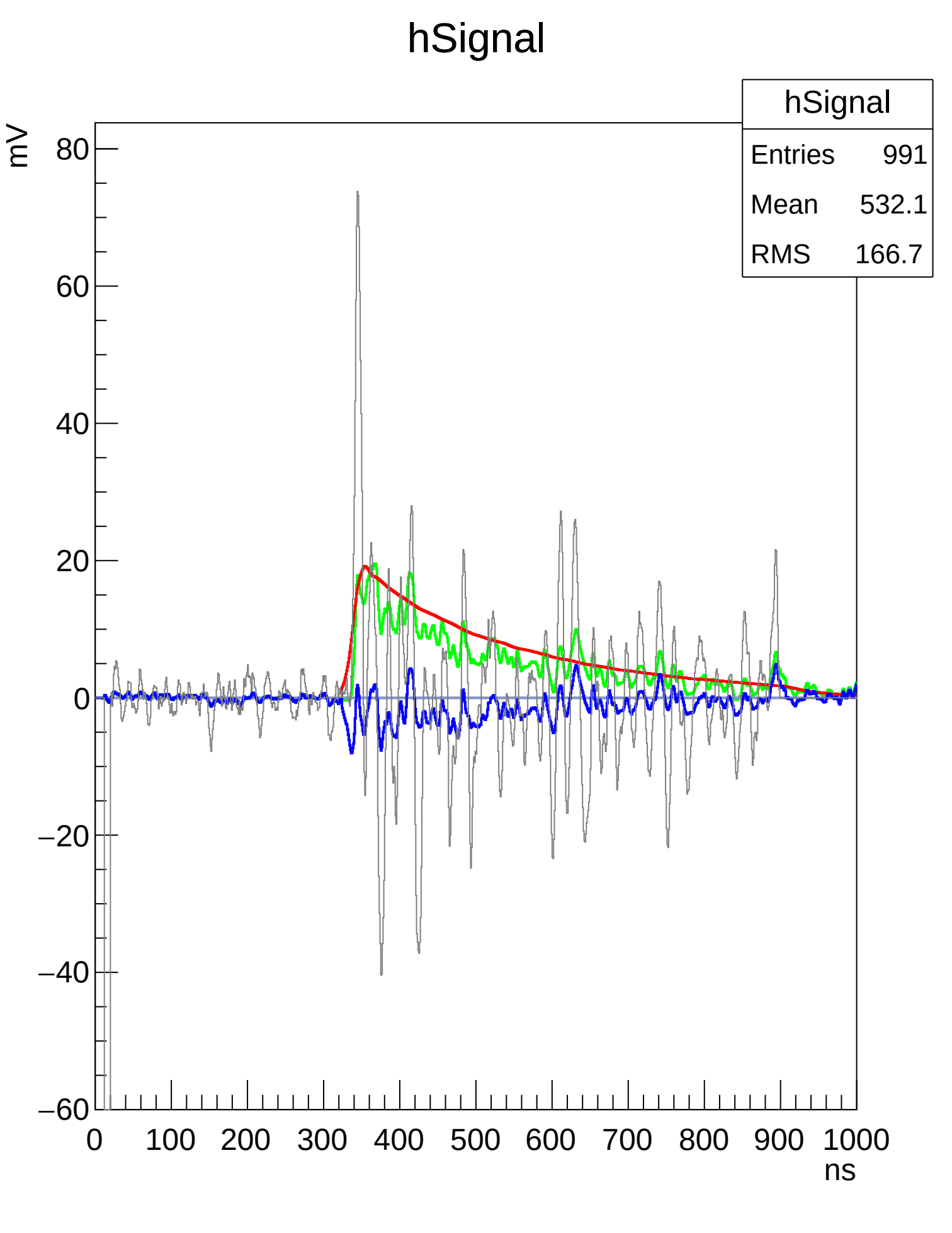
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537
RMS 163.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 542.9
RMS 166.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.1
RMS 166.7
mV
80
60
40
20
0
−20
−40
−60
0
100
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1000
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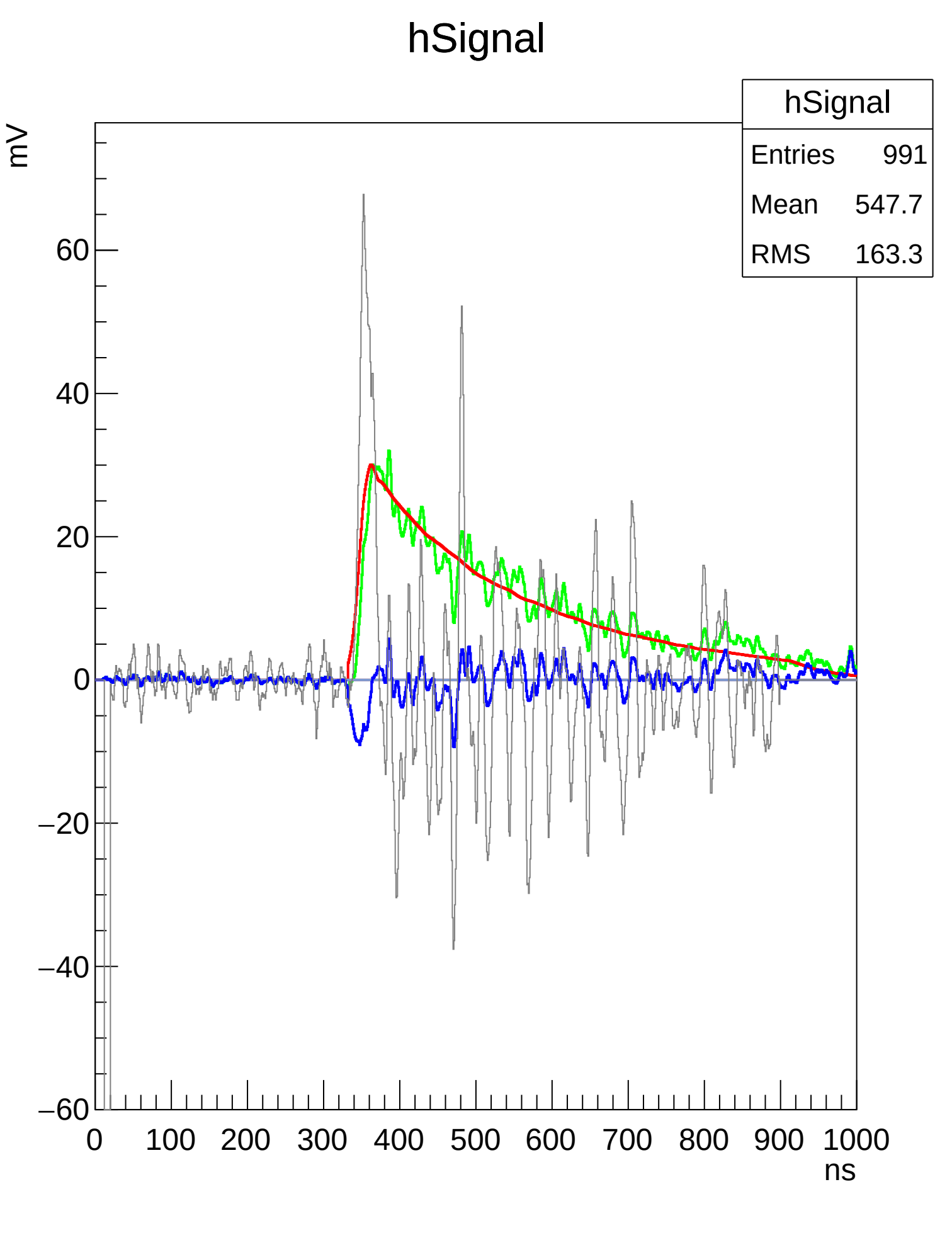
hSignal
hSignal
Entries 991
Mean 547.7
RMS 163.3
mV
60
40
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−20
−40
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0
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200
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400
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1000
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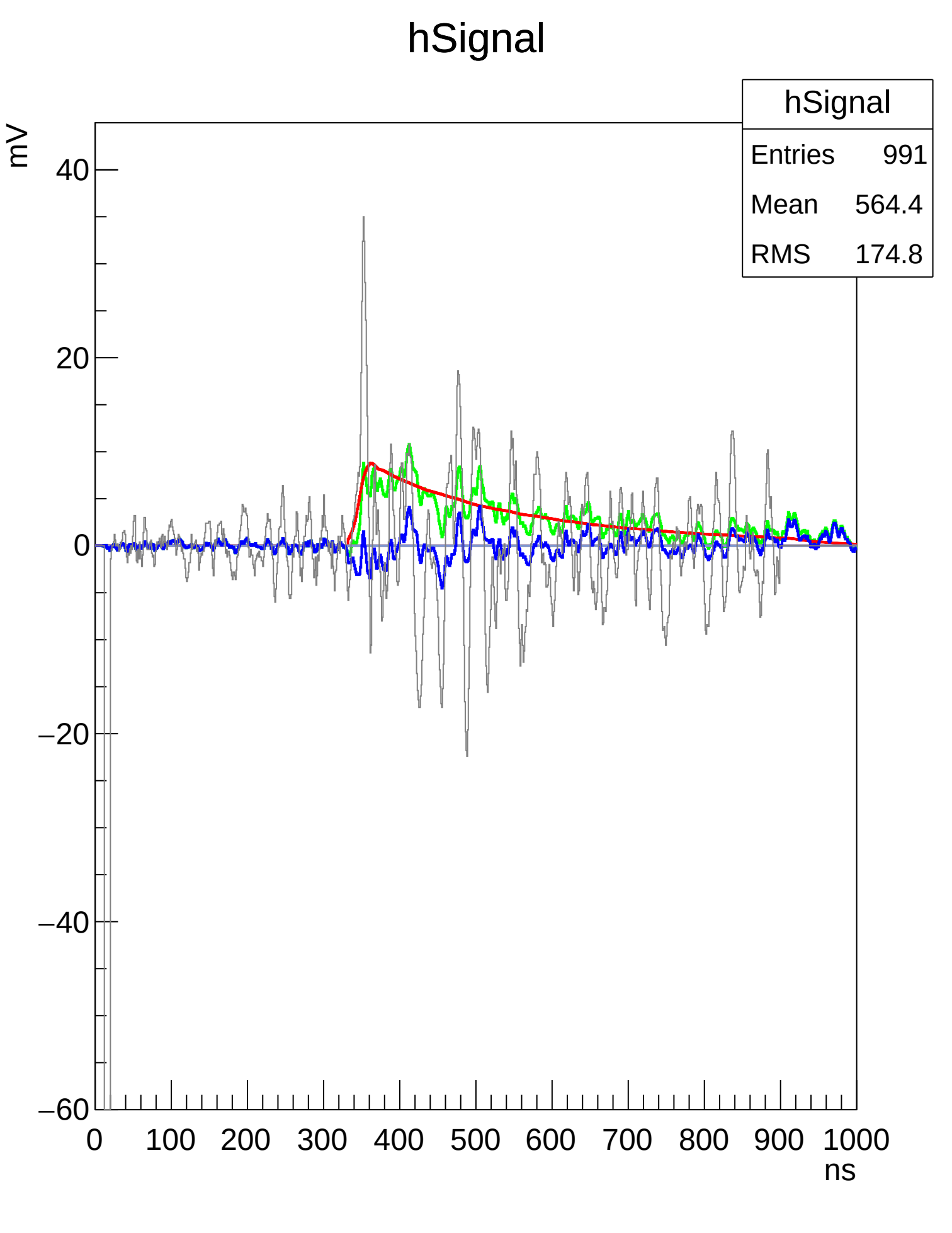
hSignal
hSignal
Entries 991
Mean 564.4
RMS 174.8
mV
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−20
−40
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0
100
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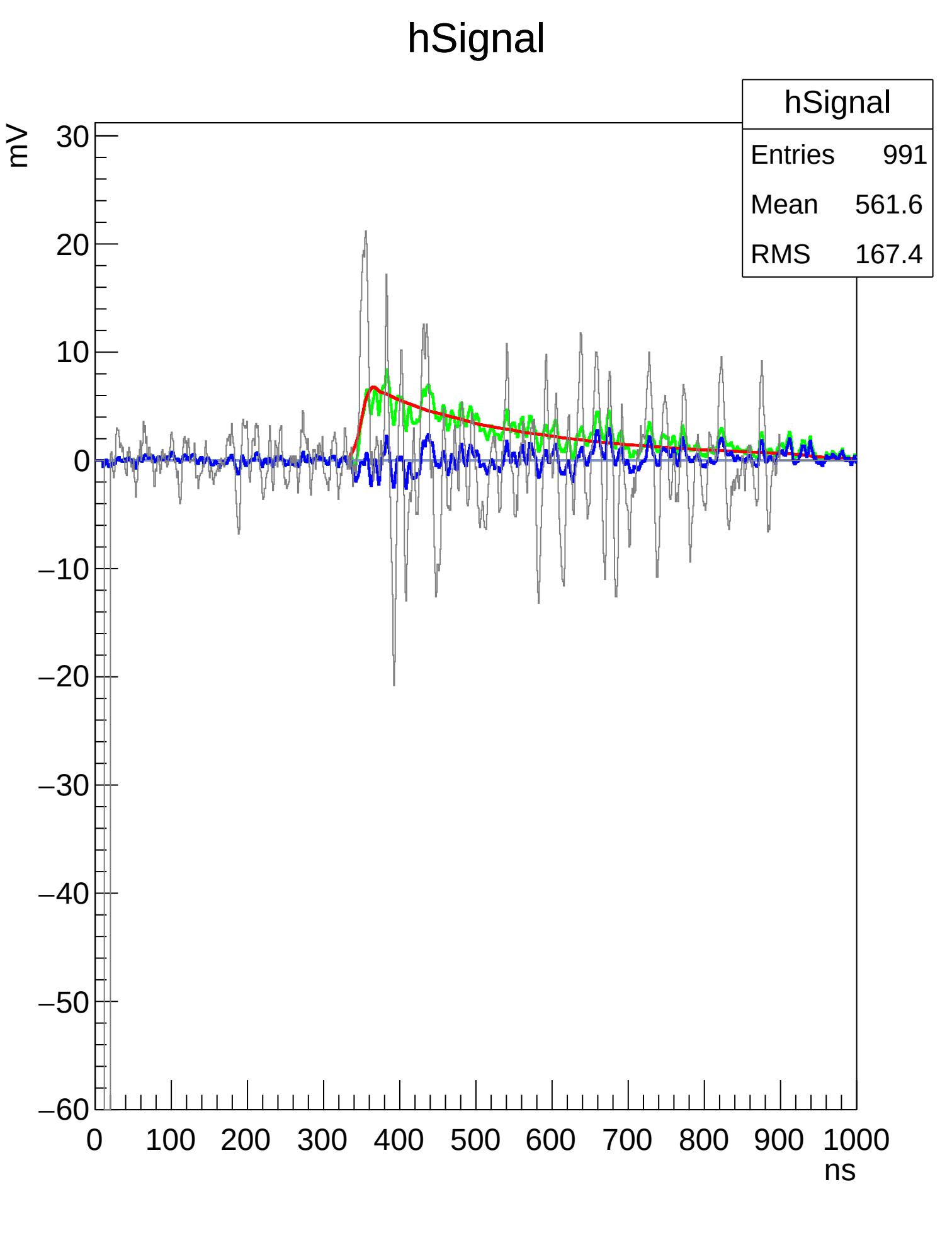
hSignal
hSignal
Entries 991
Mean 561.6
RMS 167.4
mV
30
20
10
0
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−20
−30
−40
−50
−60
0
100
200
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400
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800
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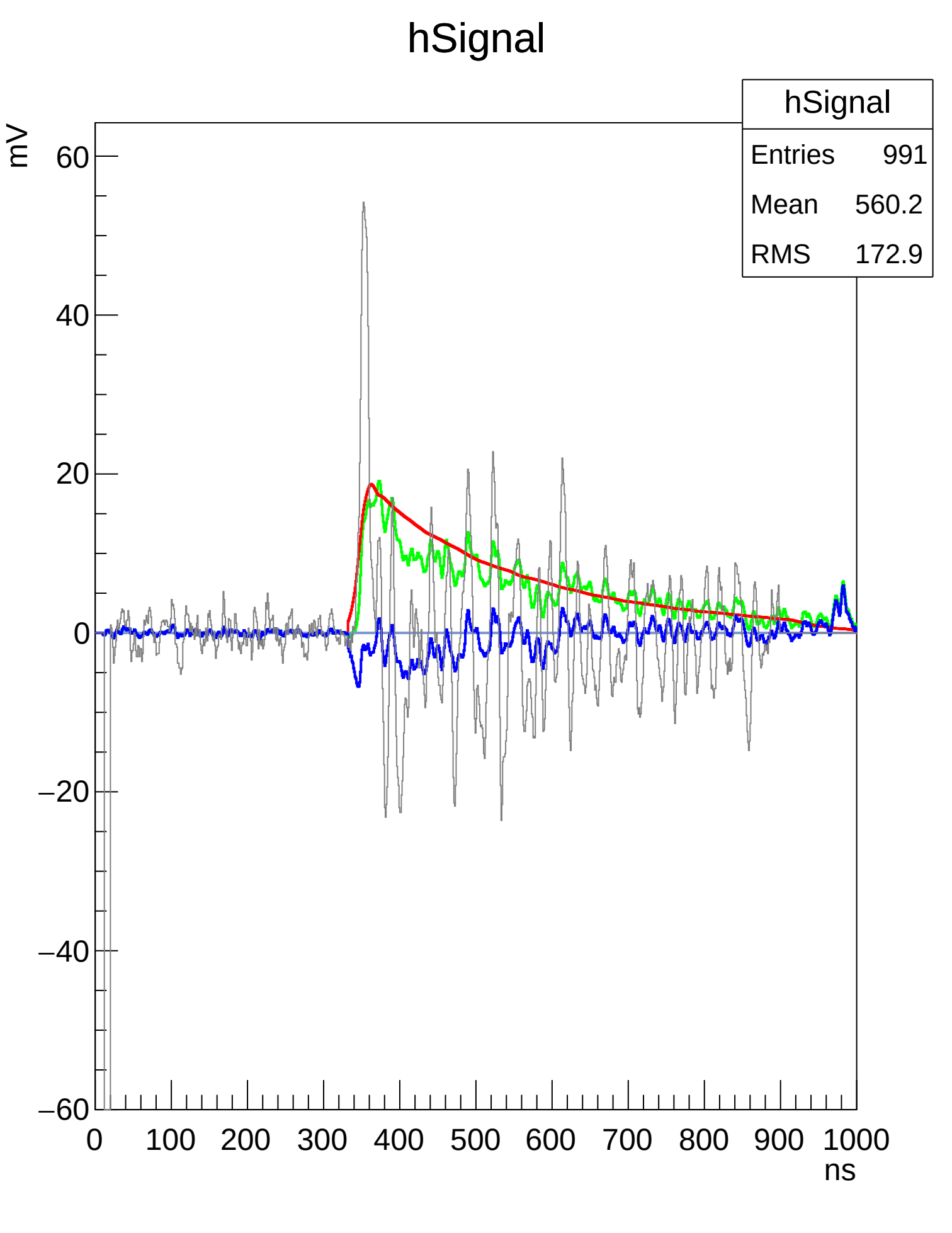
1000
ns


hSignal
hSignal
Entries 991
Mean 560.2
RMS 172.9
mV
60
40
20
0
−20
−40
−60
0
100
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800
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1000
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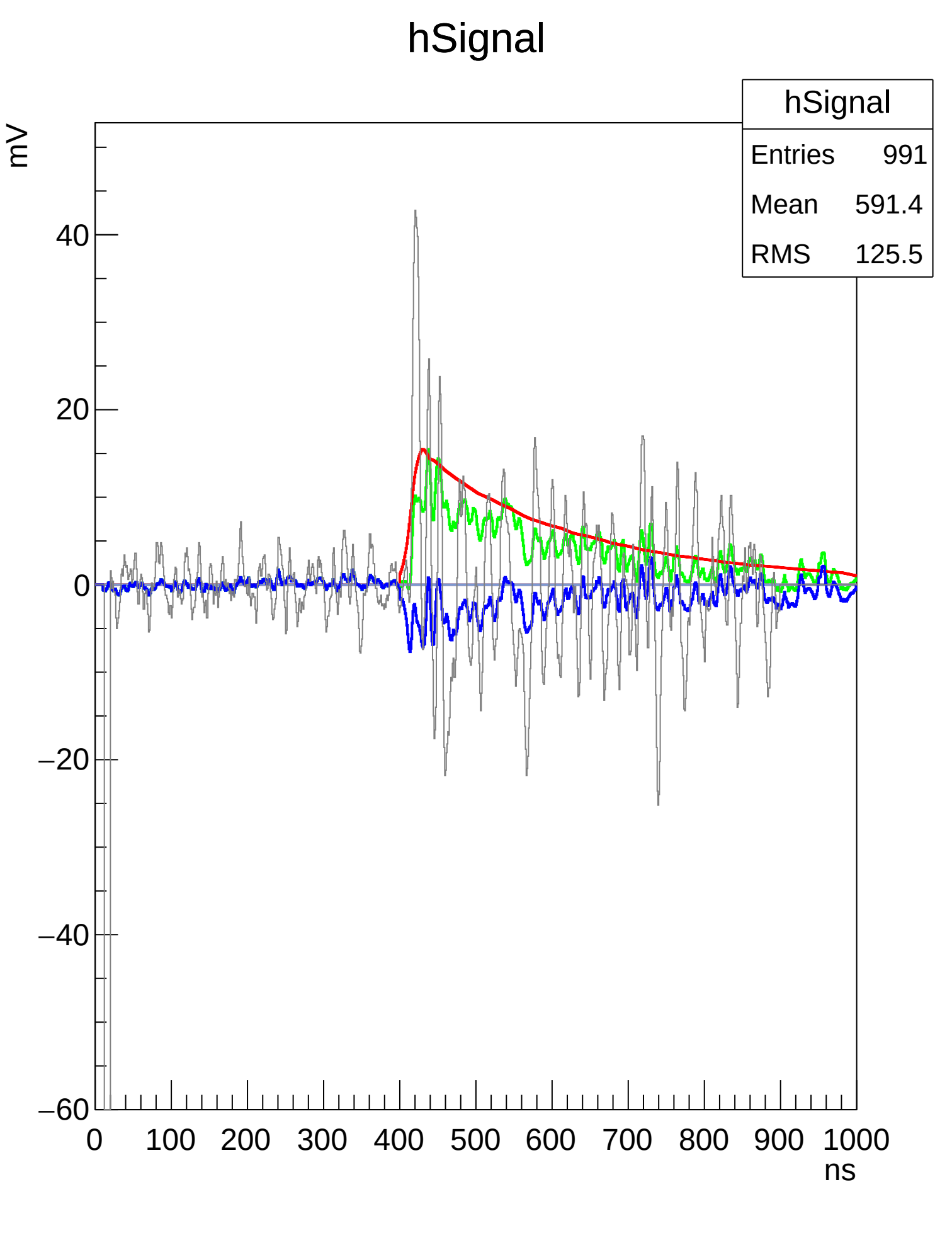
hSignal
hSignal
Entries 991
Mean 591.4
RMS 125.5
mV
40
20
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−20
−40
−60
0
100
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600
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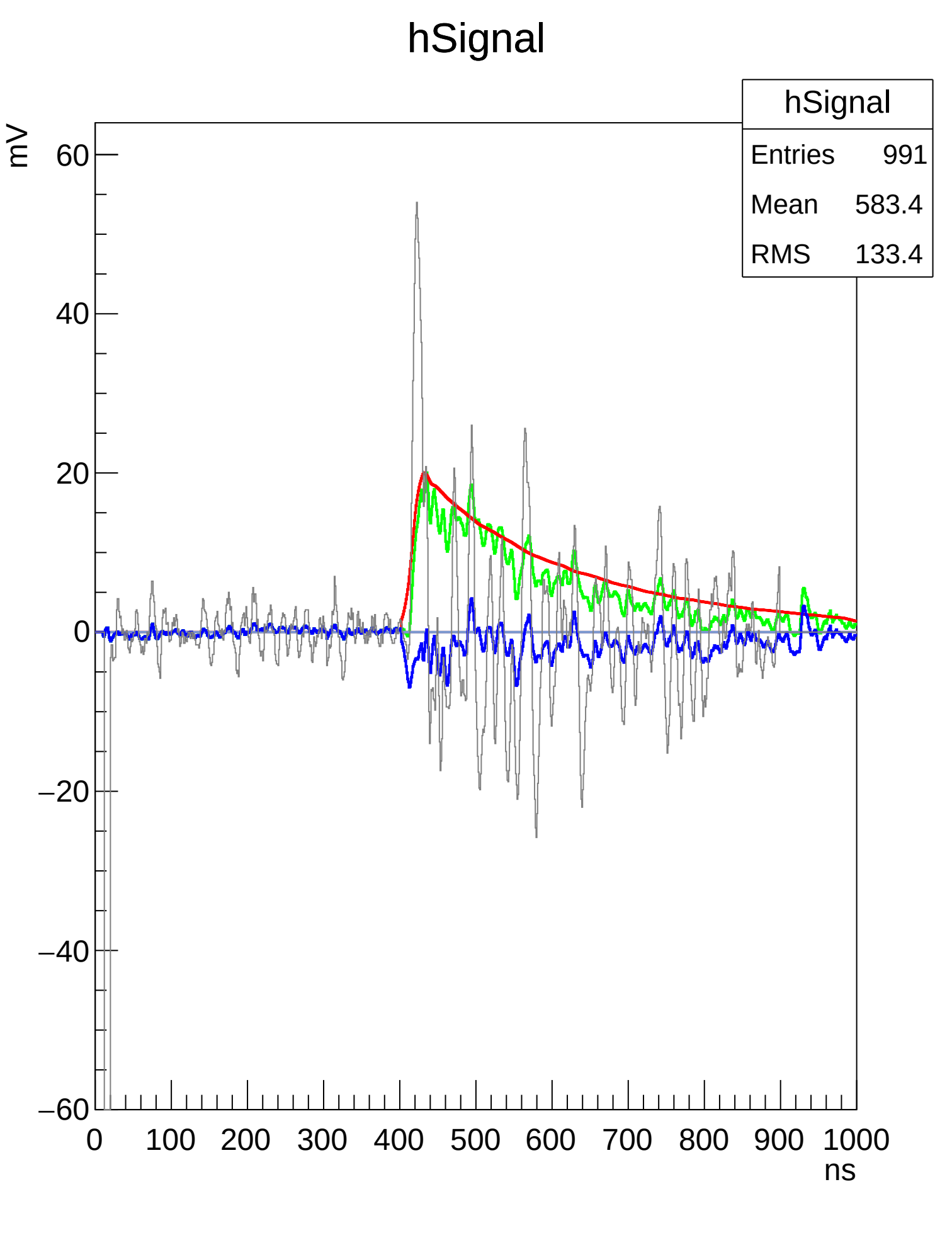
800
900
1000
ns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hSignal
Entries 991
Mean 583.4
RMS 133.4
mV
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20
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−20
−40
−60
0
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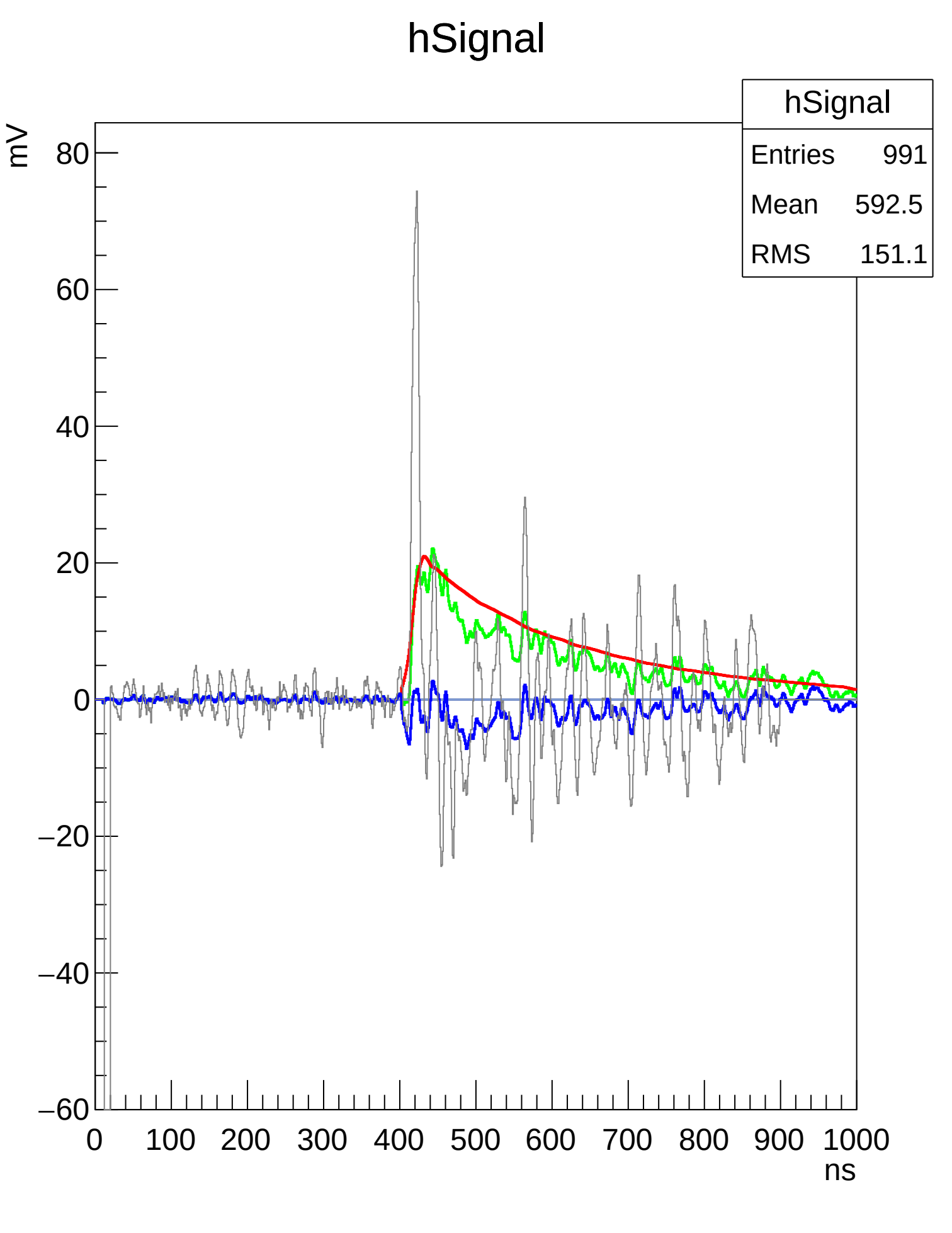
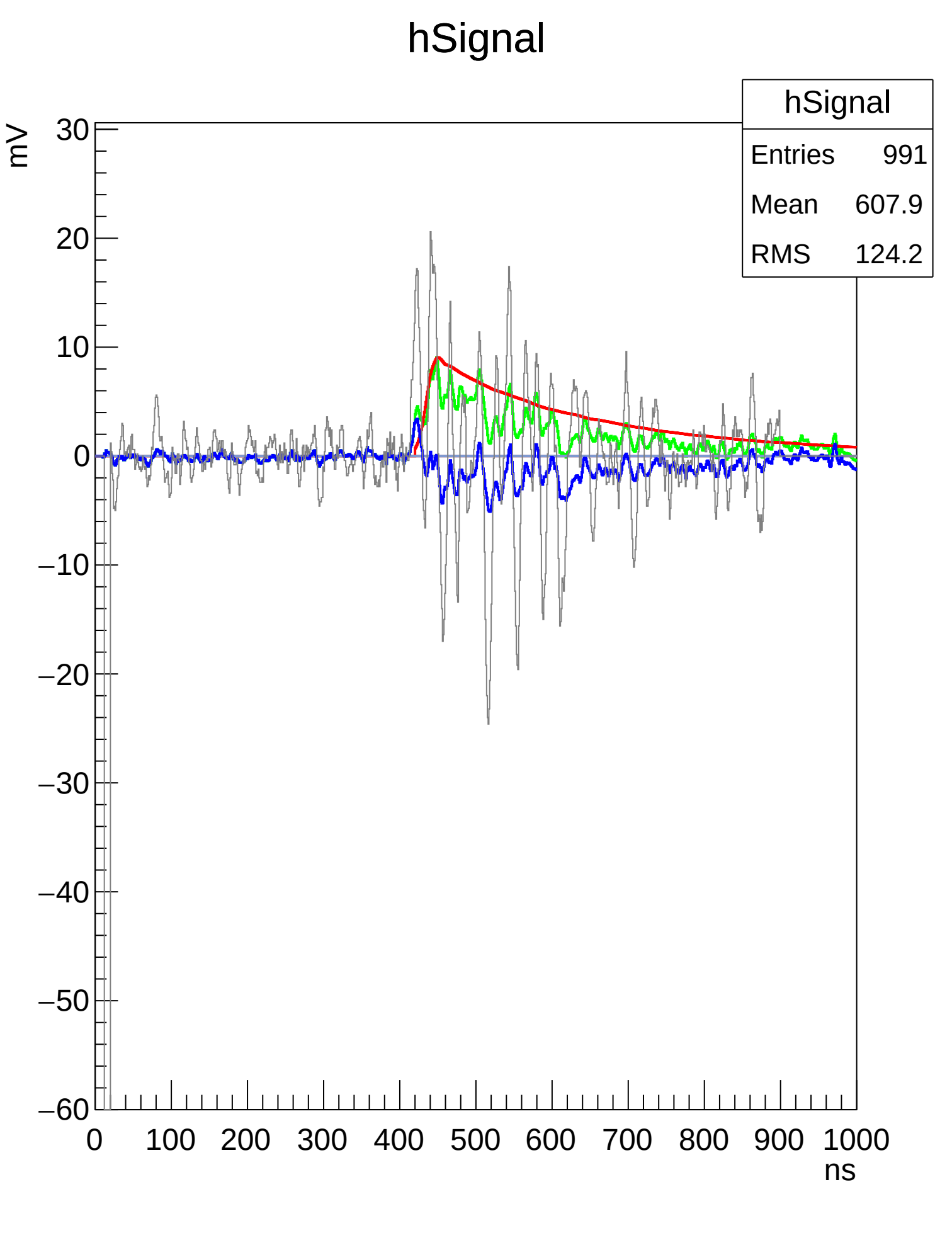
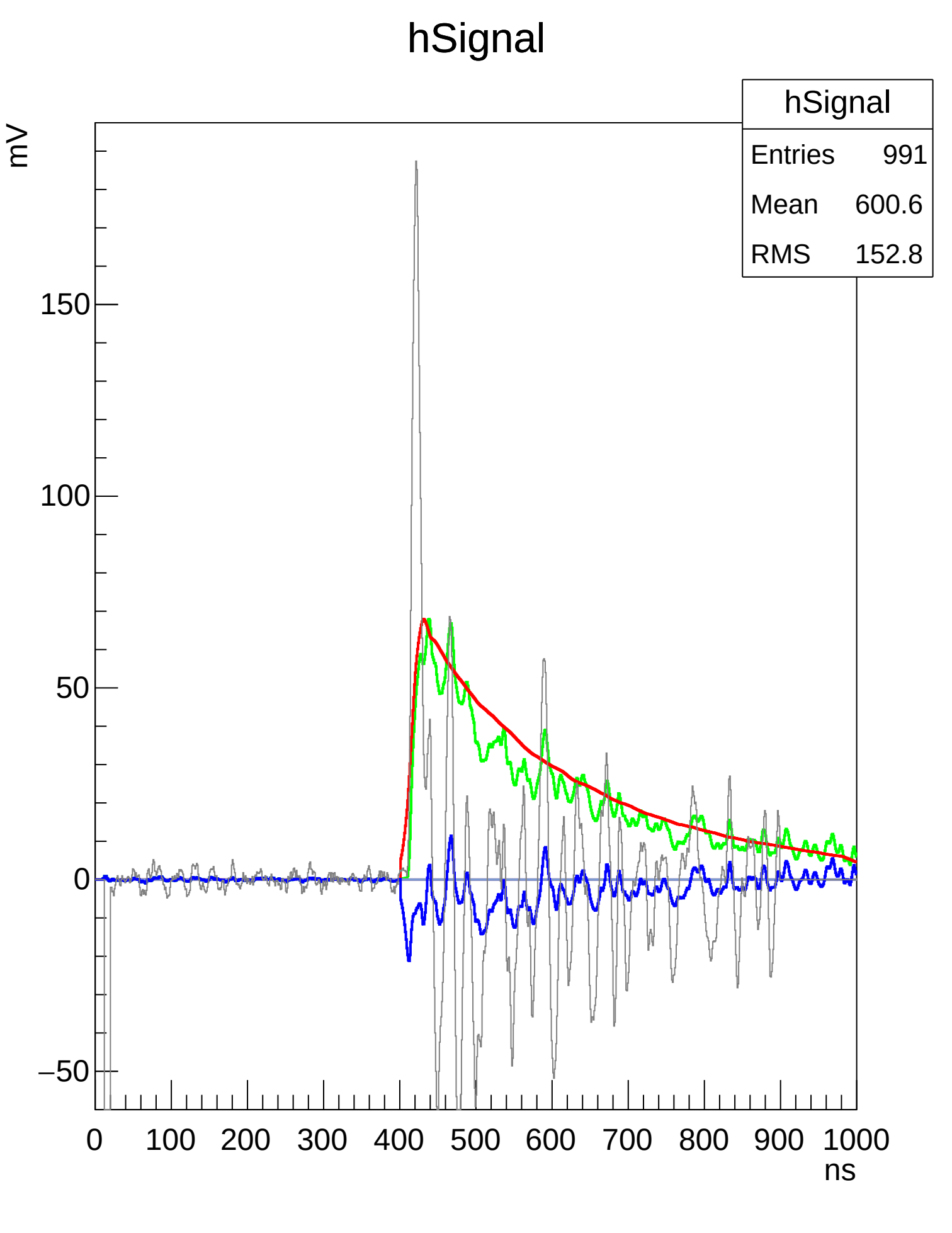
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.5
RMS 151.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.9
RMS 124.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.6
RMS 152.8
mV
150
100
50
0
−50
0
100
200
300
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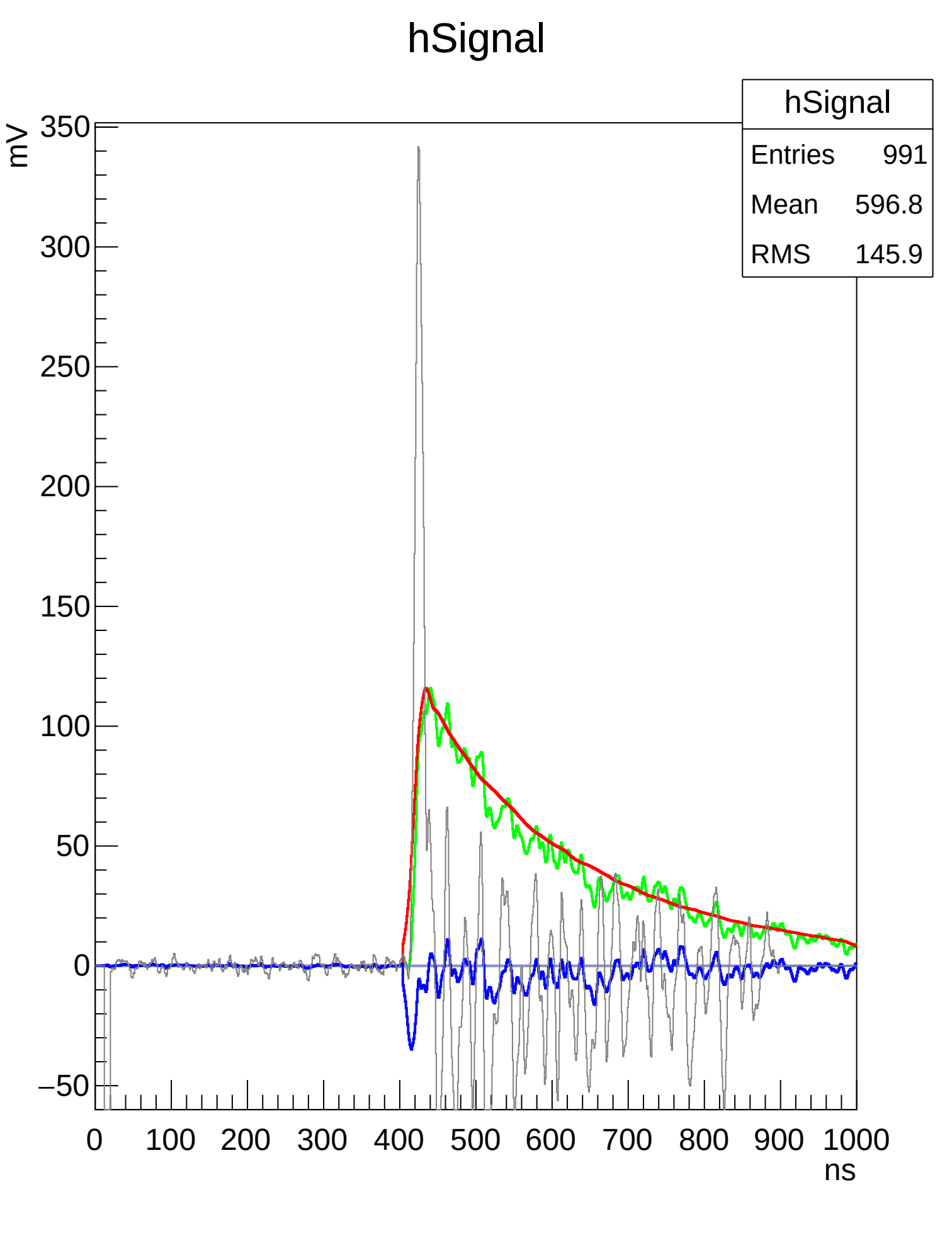
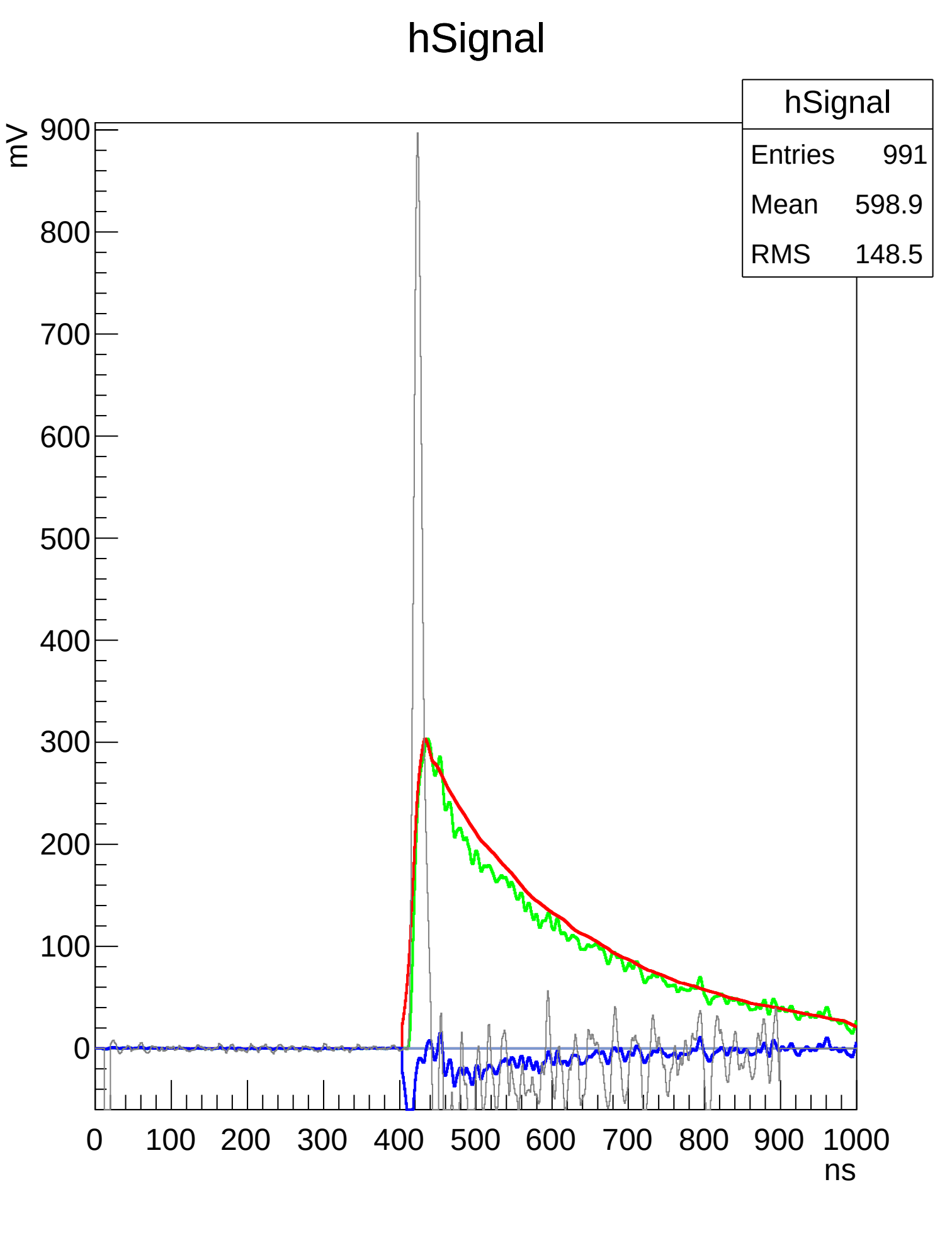
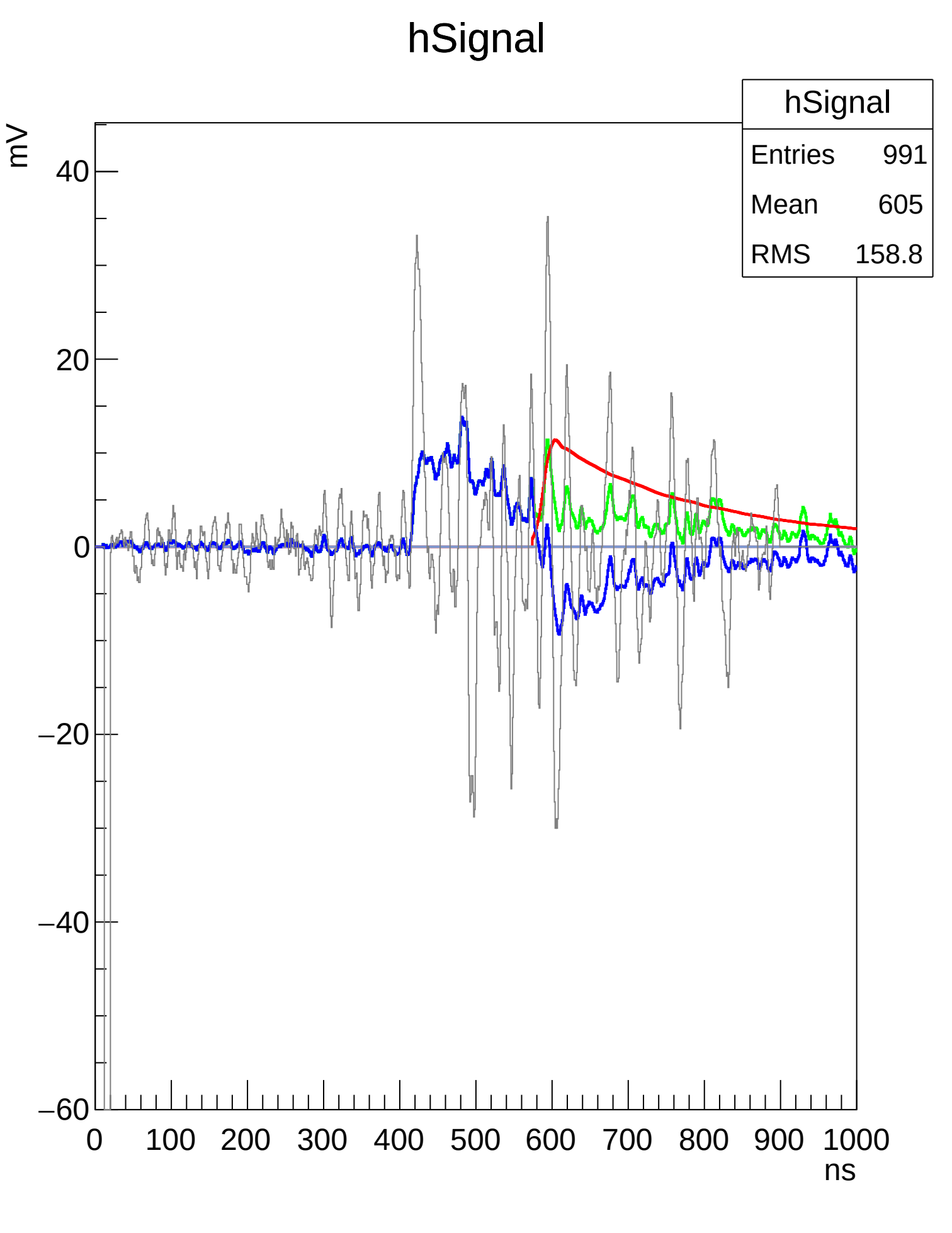
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.8
RMS 145.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.9
RMS 148.5
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605
RMS 158.8
mV
40
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0
−20
−40
−60
0
100
200
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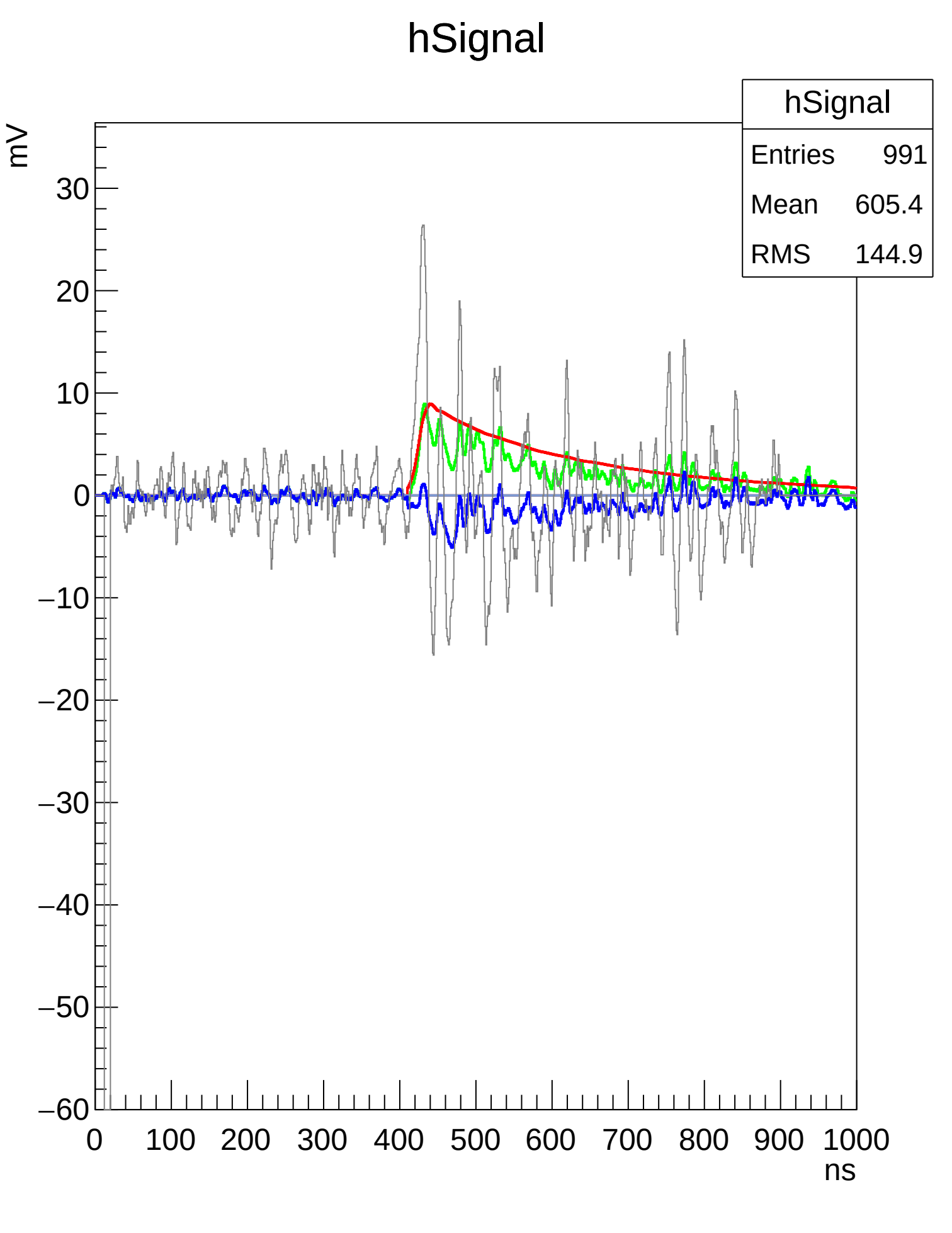
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.4
RMS 144.9
mV
30
20
10
0
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−40
−50
−60
0
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200
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400
500
600
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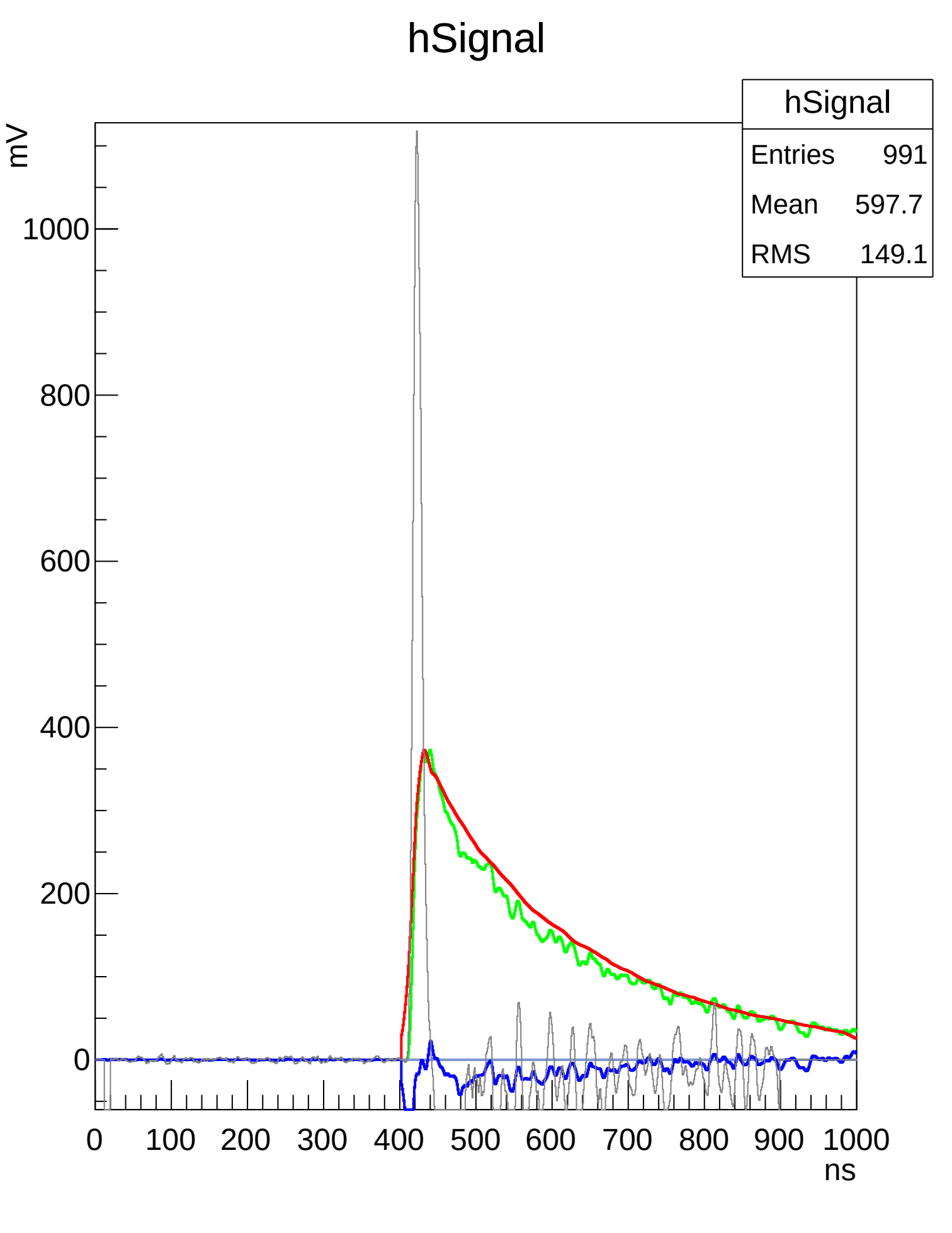
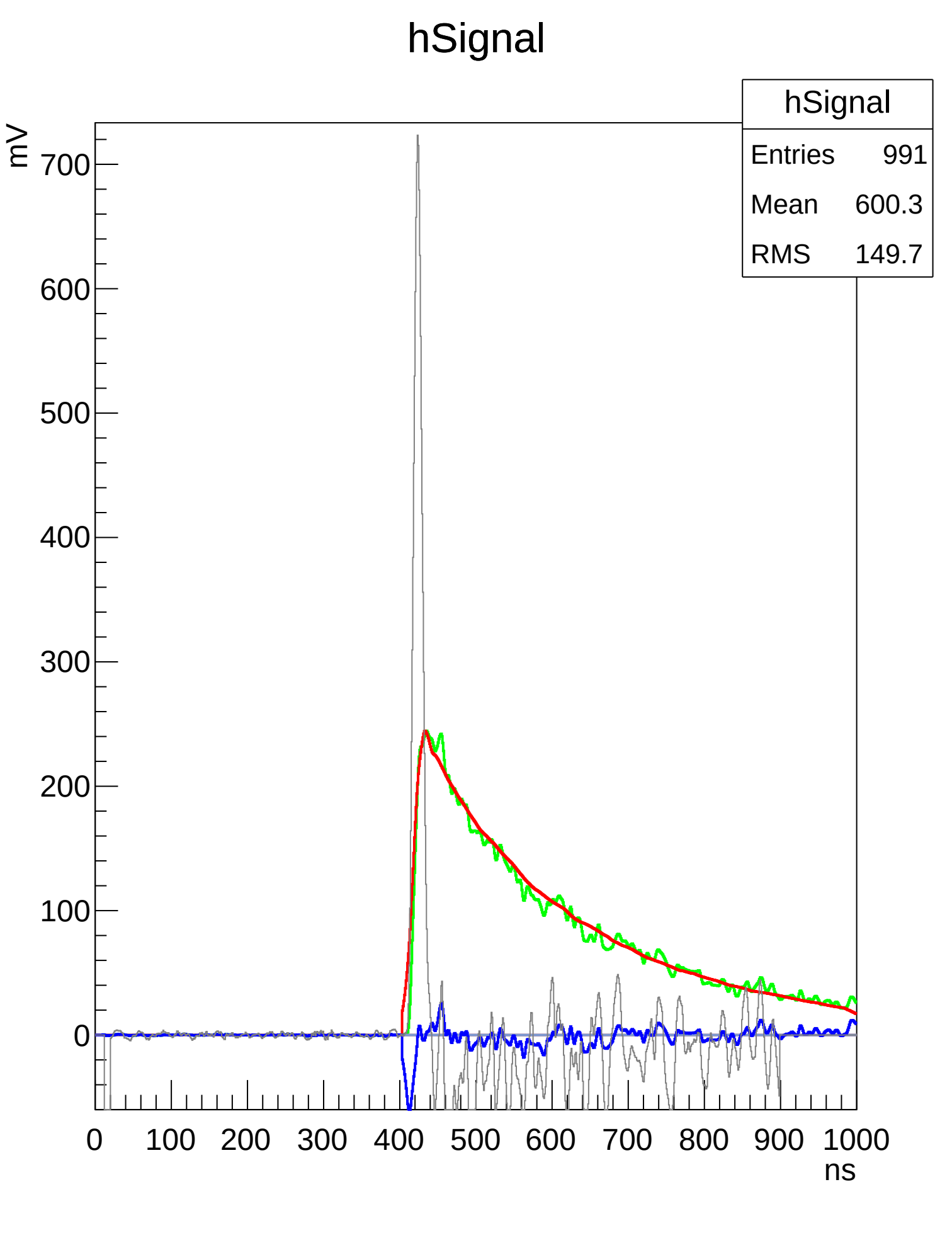
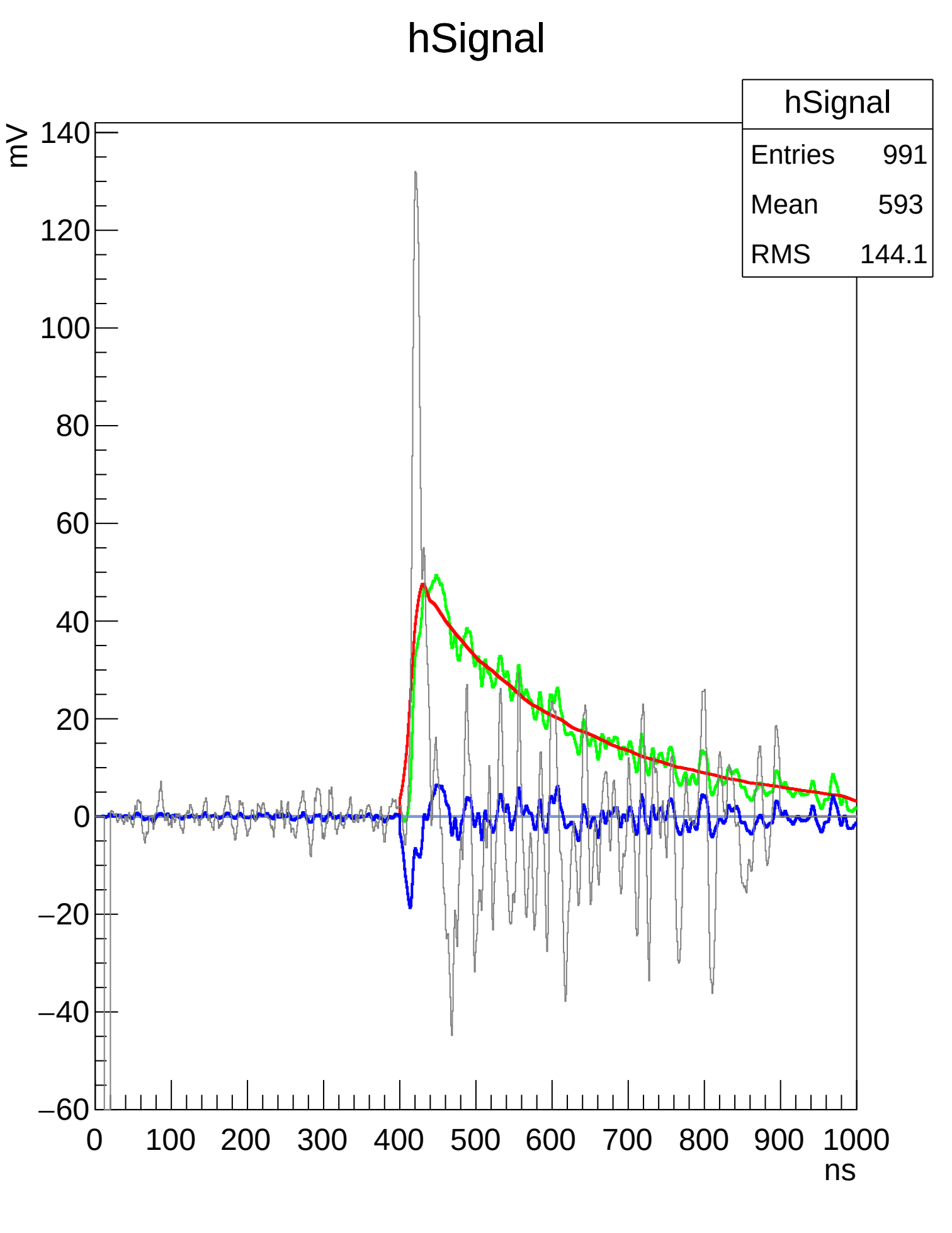
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 149.1
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 600.3
RMS 149.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593
RMS 144.1
mV
140
120
100
80
60
40
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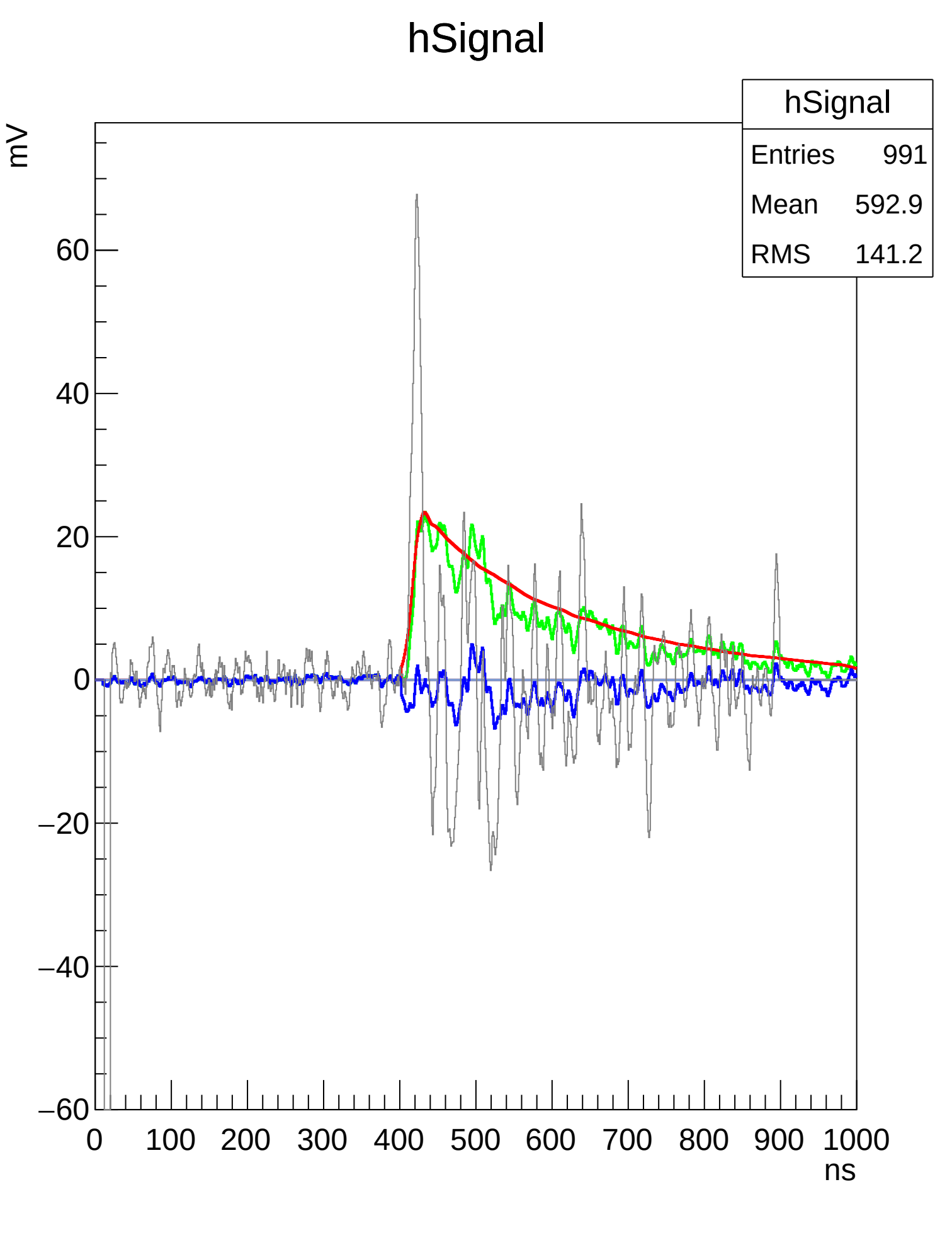
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.9
RMS 141.2
mV
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40
20
0
−20
−40
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0
100
200
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400
500
600
700
800
900
1000
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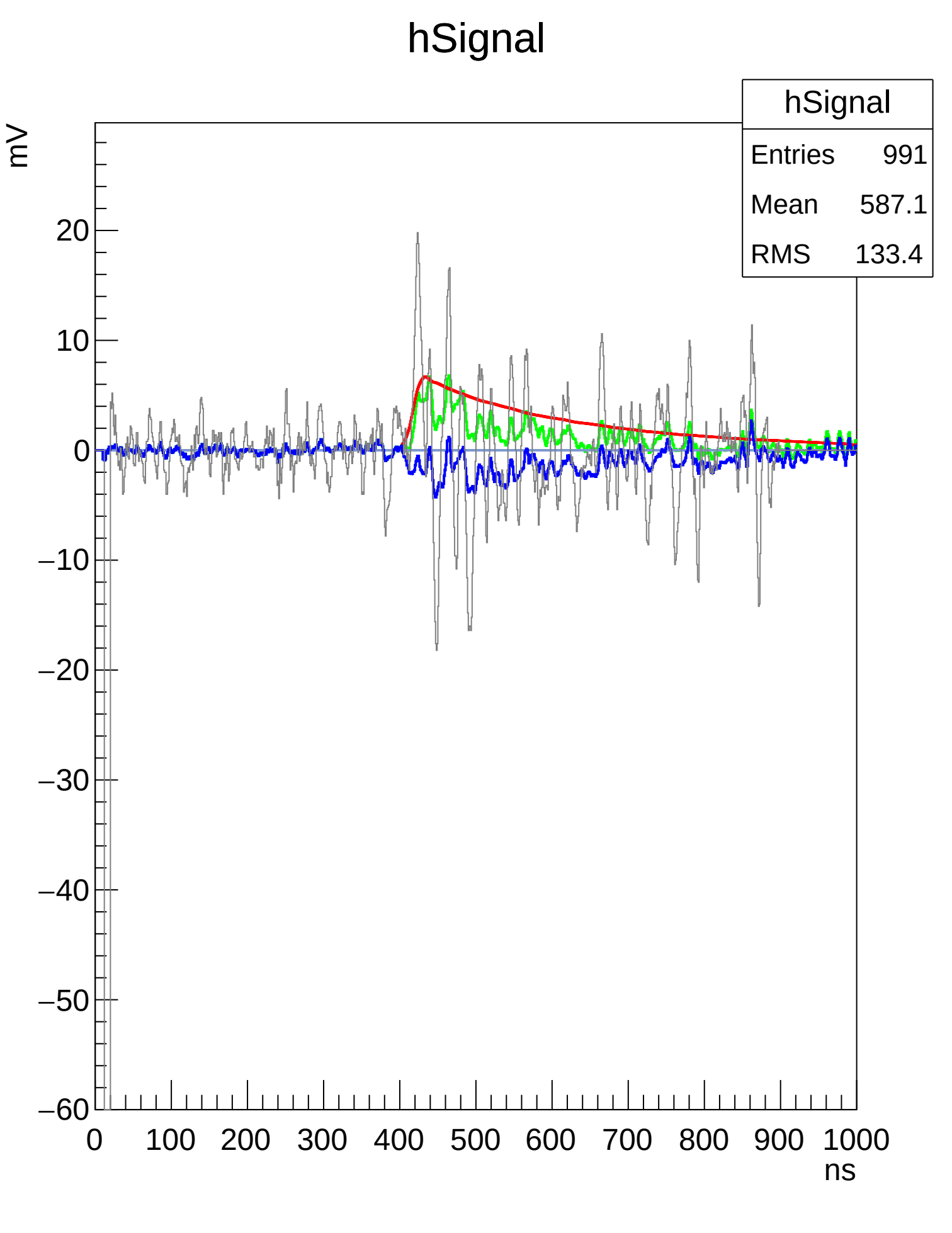
hSignal
hSignal
Entries 991
Mean 587.1
RMS 133.4
mV
20
10
0
−10
−20
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−40
−50
−60
0
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200
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400
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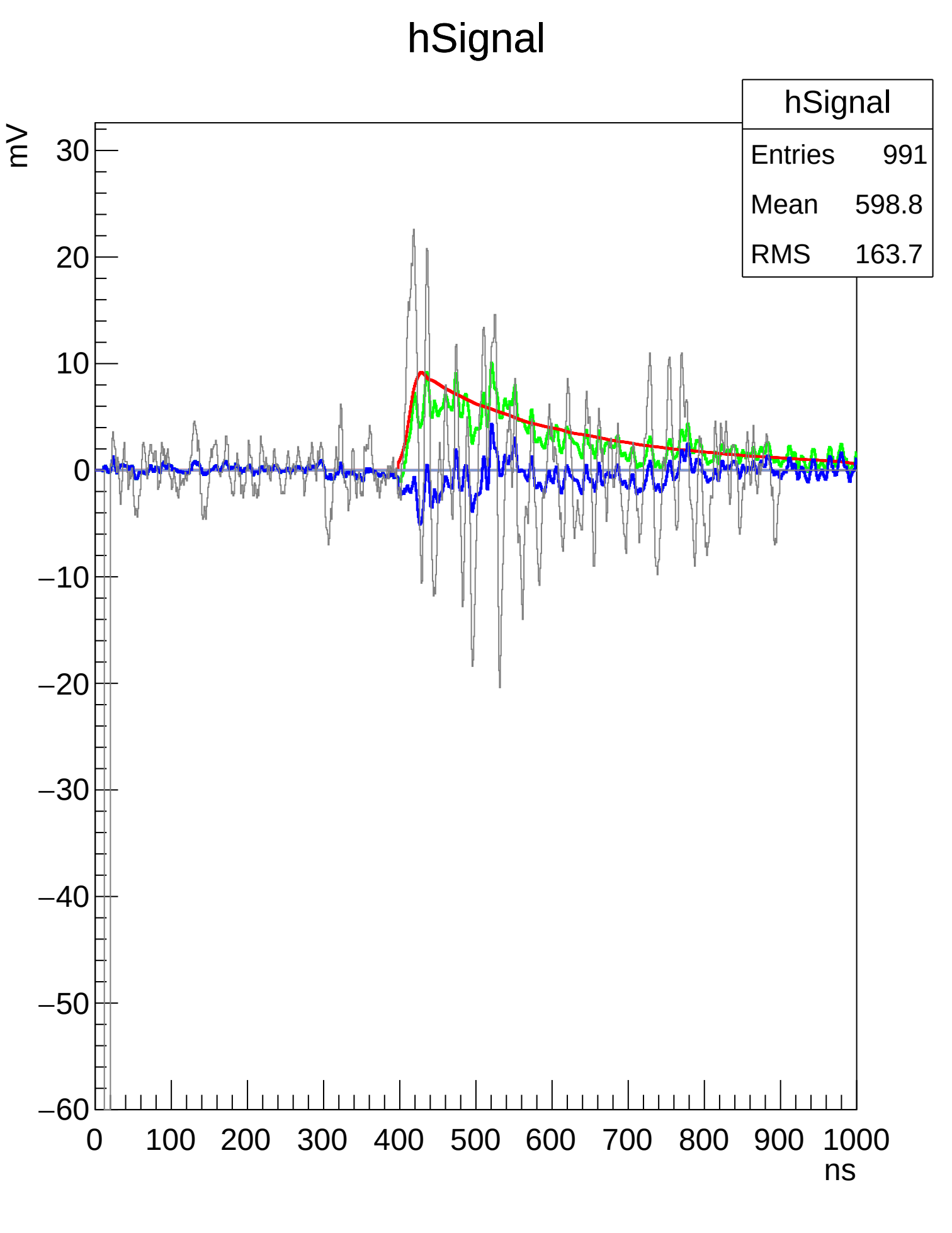
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.8
RMS 163.7
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
500
600
700
800
900
1000
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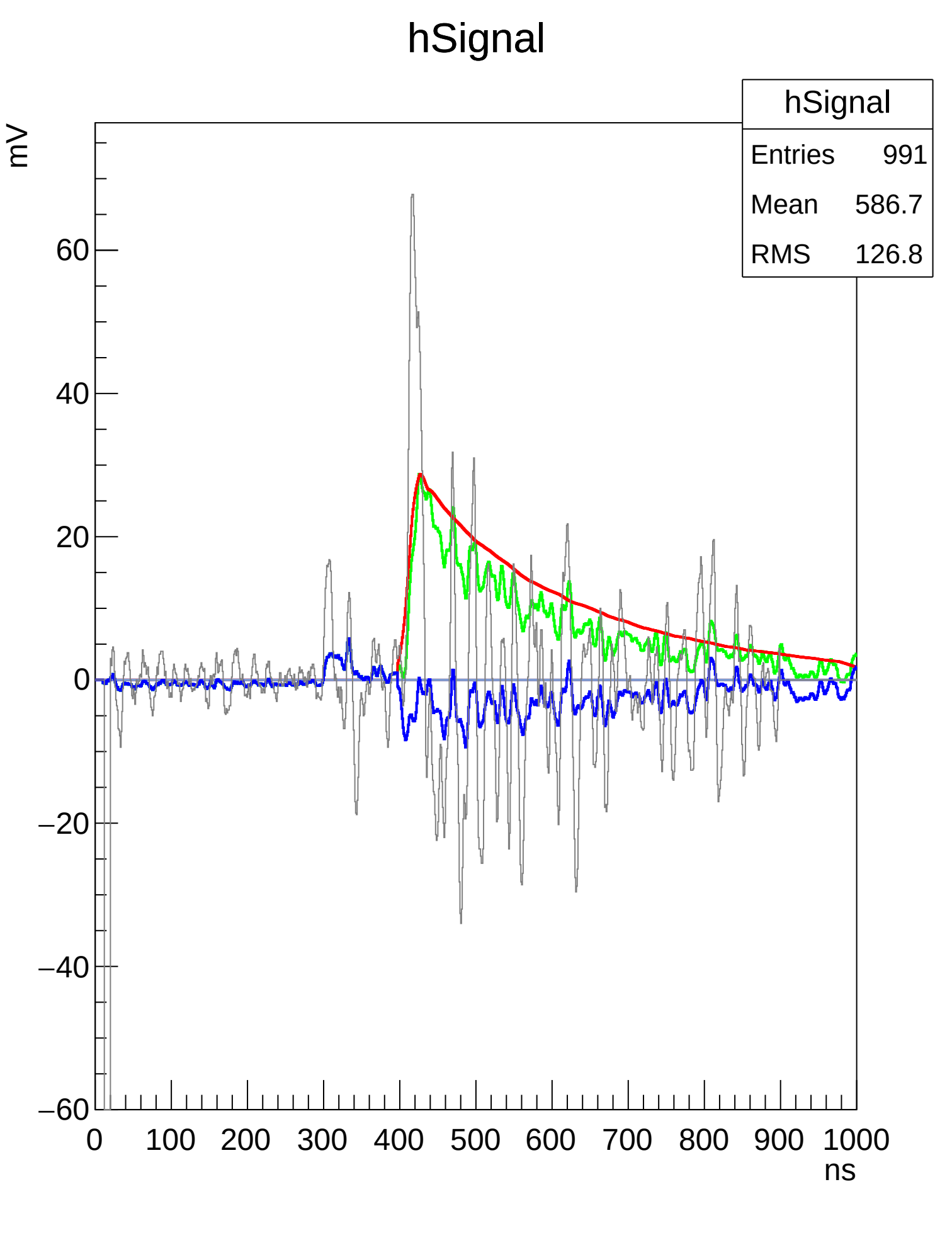
hSignal
hSignal
Entries 991
Mean 586.7
RMS 126.8
mV
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−20
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200
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400
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800
900
1000
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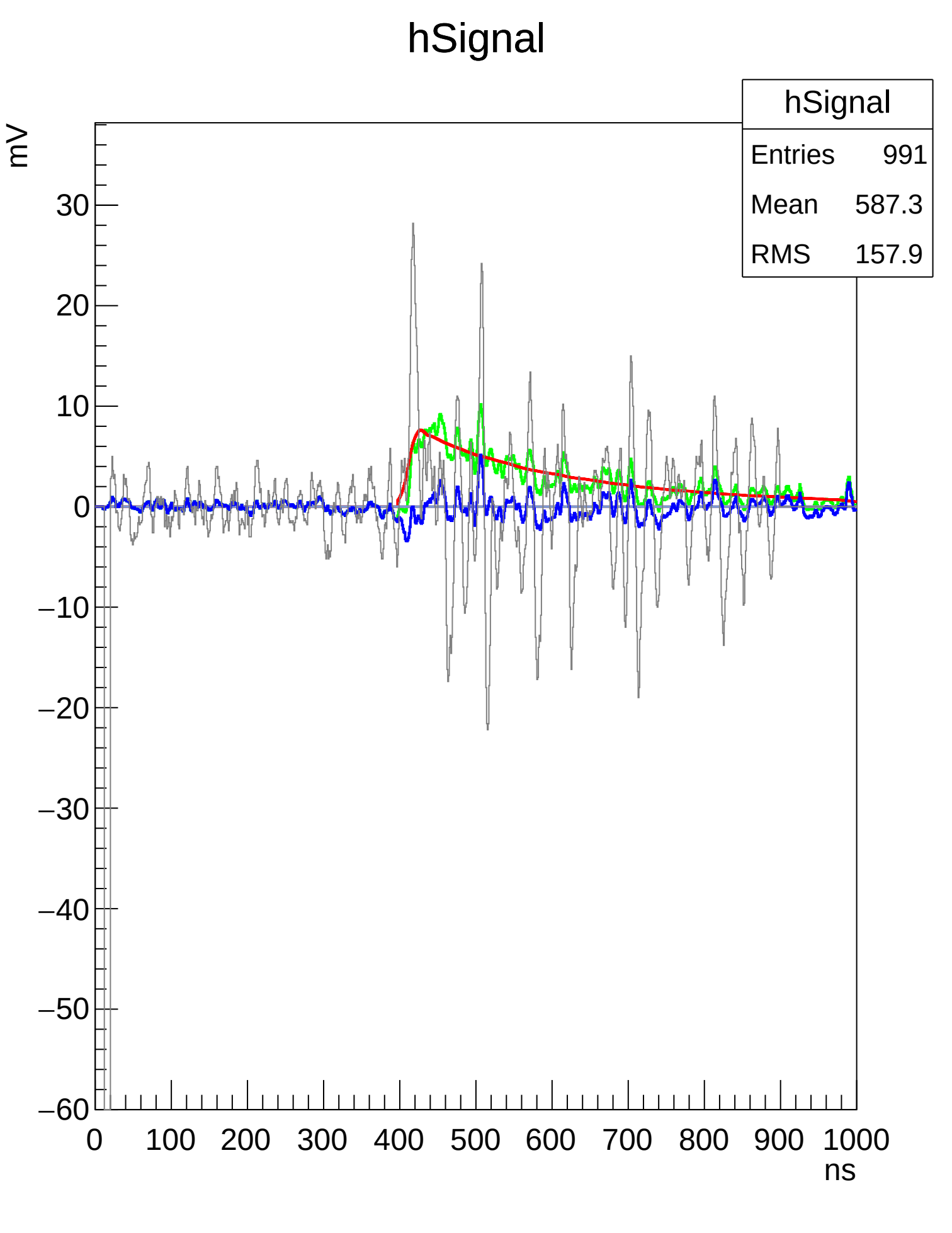
hSignal
hSignal
Entries 991
Mean 587.3
RMS 157.9
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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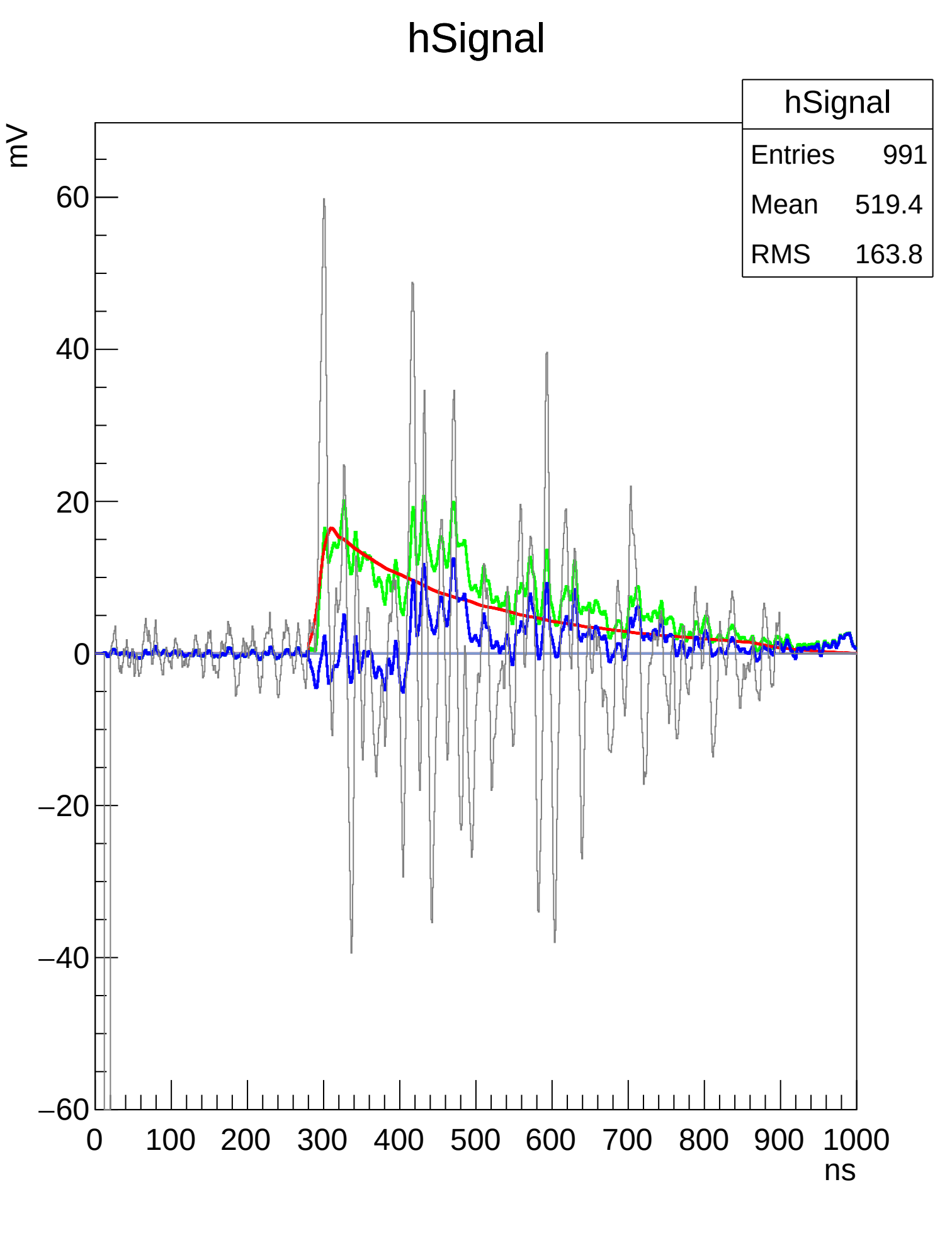
hSignal
hSignal
Entries 991
Mean 519.4
RMS 163.8
mV
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20
0
−20
−40
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0
100
200
300
400
500
600
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800
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1000
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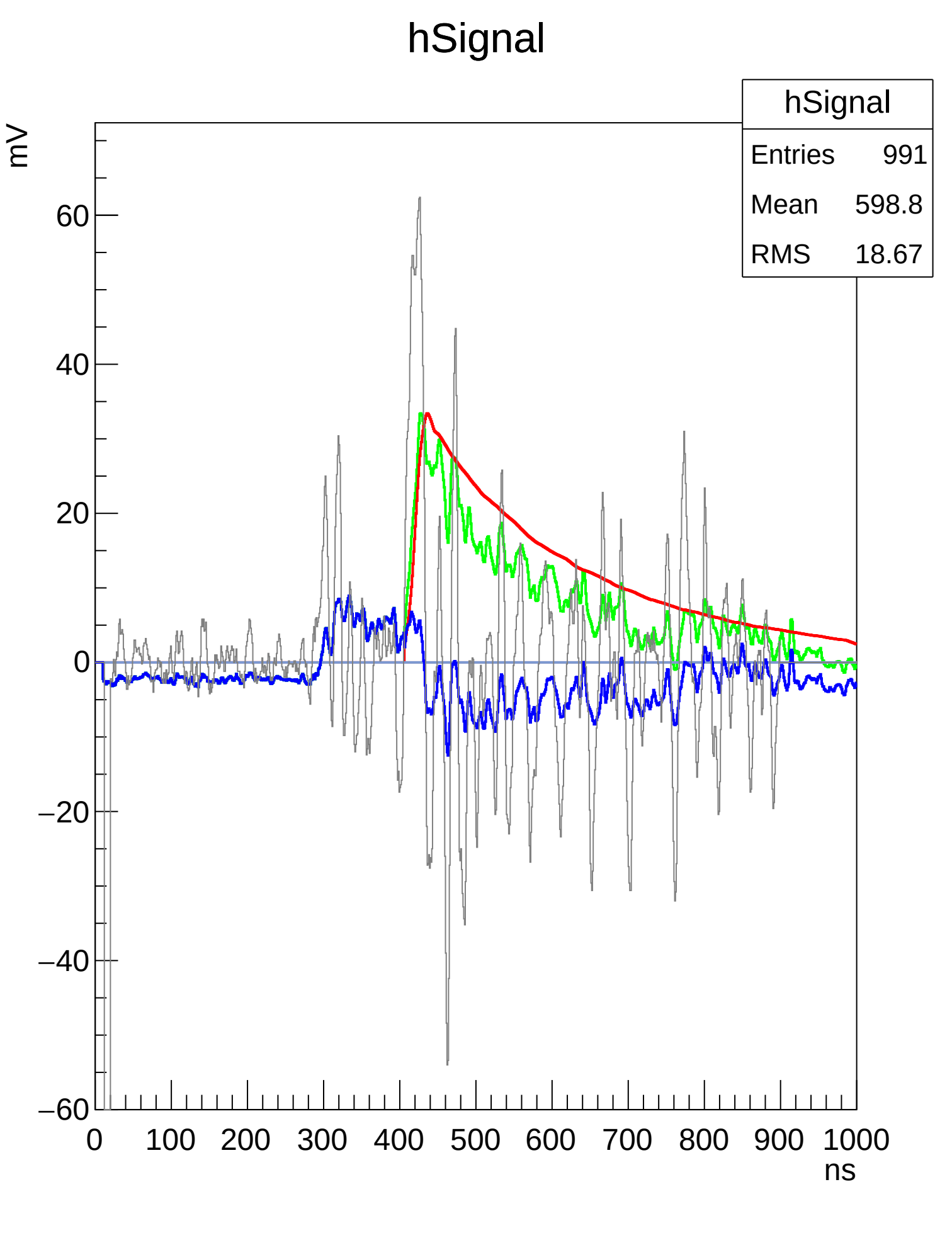
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hSignal
Entries 991
Mean 598.8
RMS 18.67
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1000
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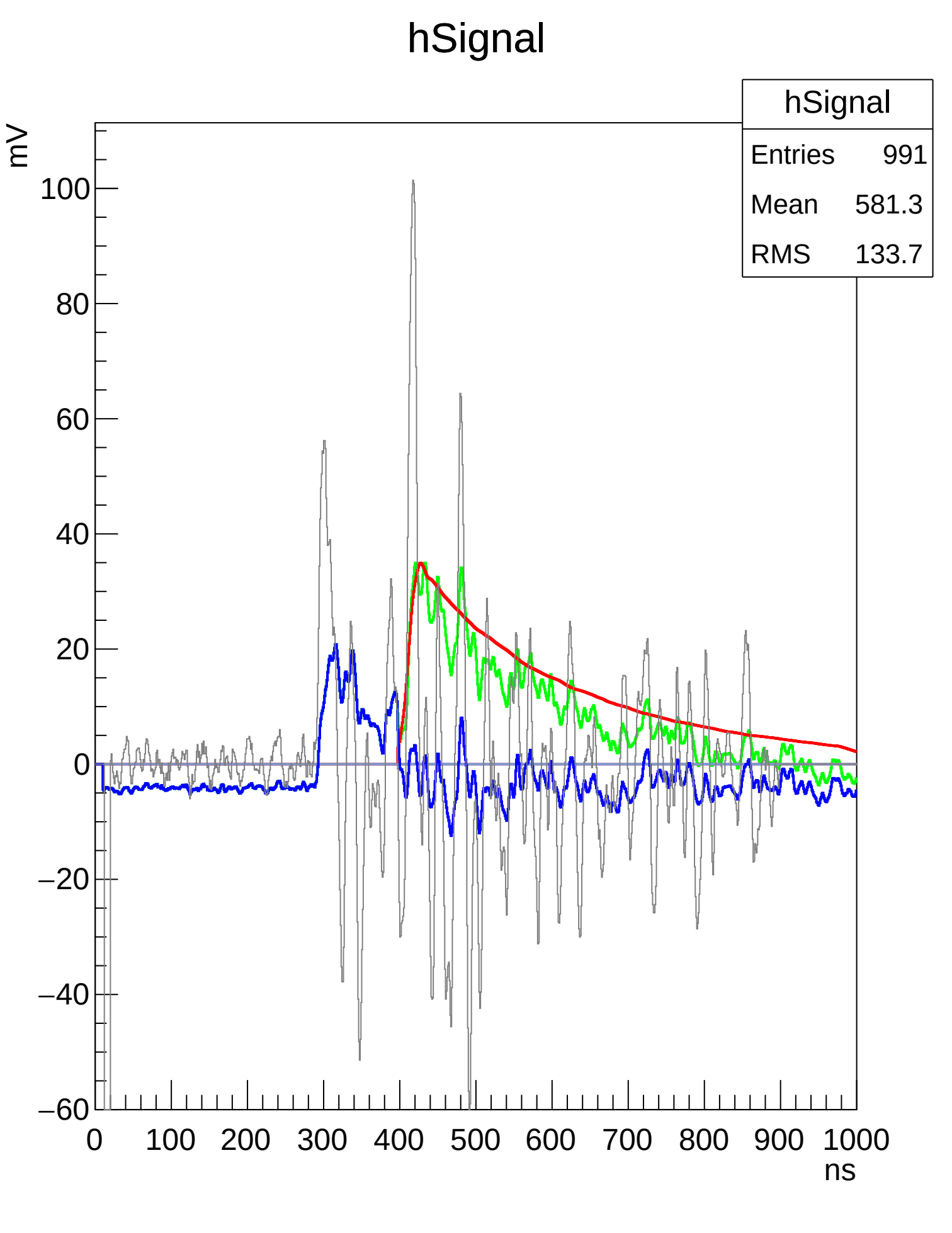
hSignal
hSignal
Entries 991
Mean 581.3
RMS 133.7
mV
100
80
60
40
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0
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400
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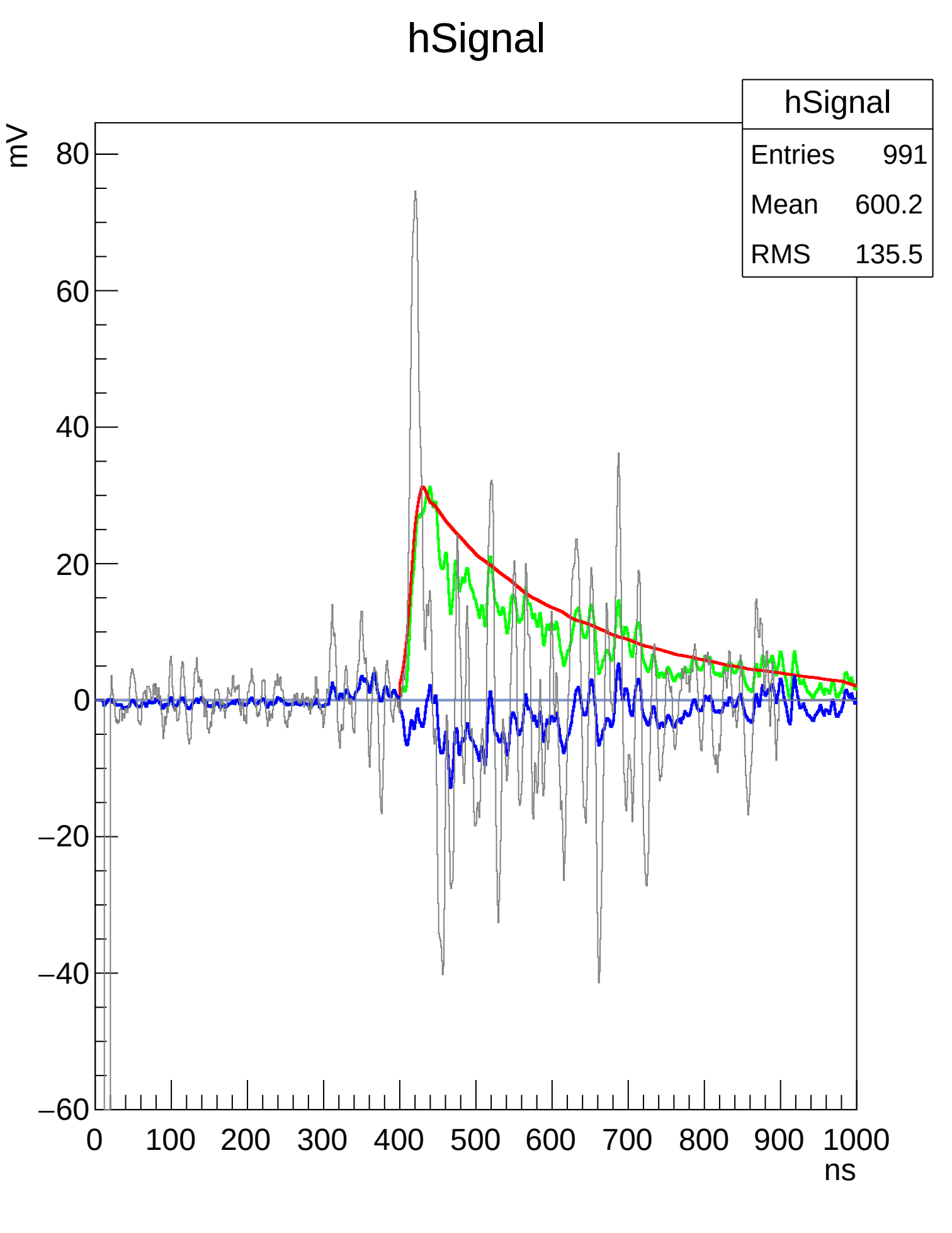
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.2
RMS 135.5
mV
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60
40
20
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−20
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700
800
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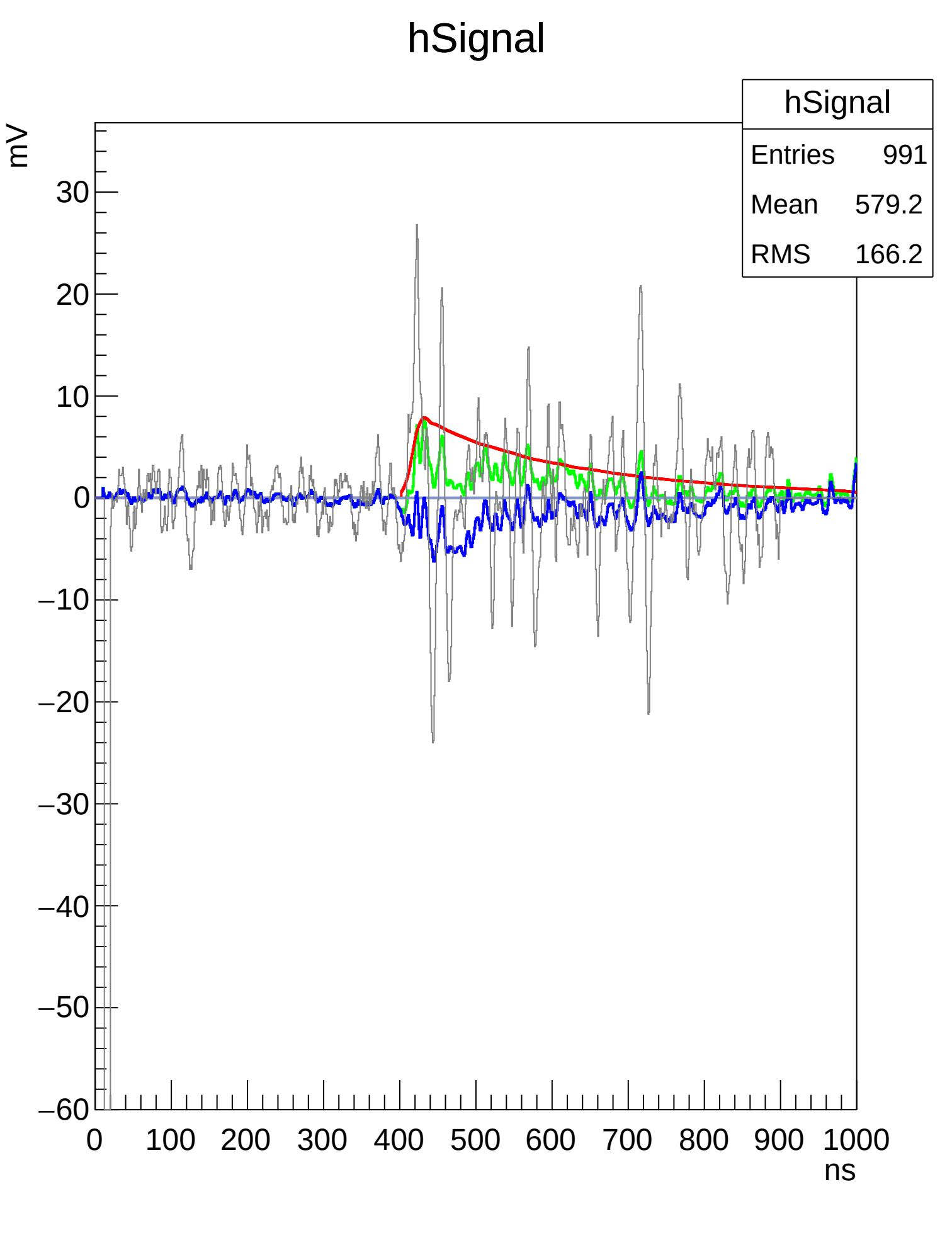
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 166.2
mV
30
20
10
0
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−40
−50
−60
0
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200
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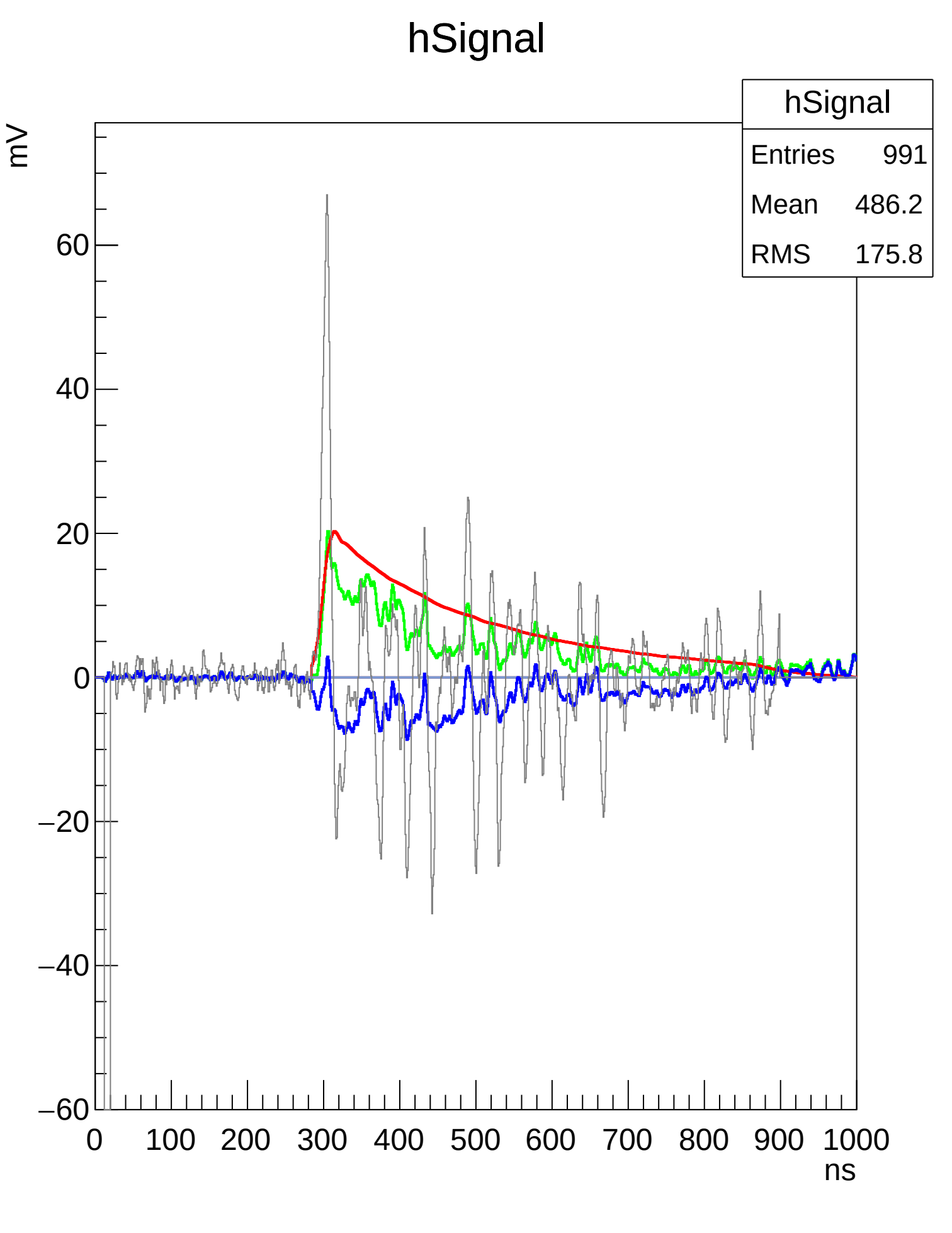
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.2
RMS 175.8
mV
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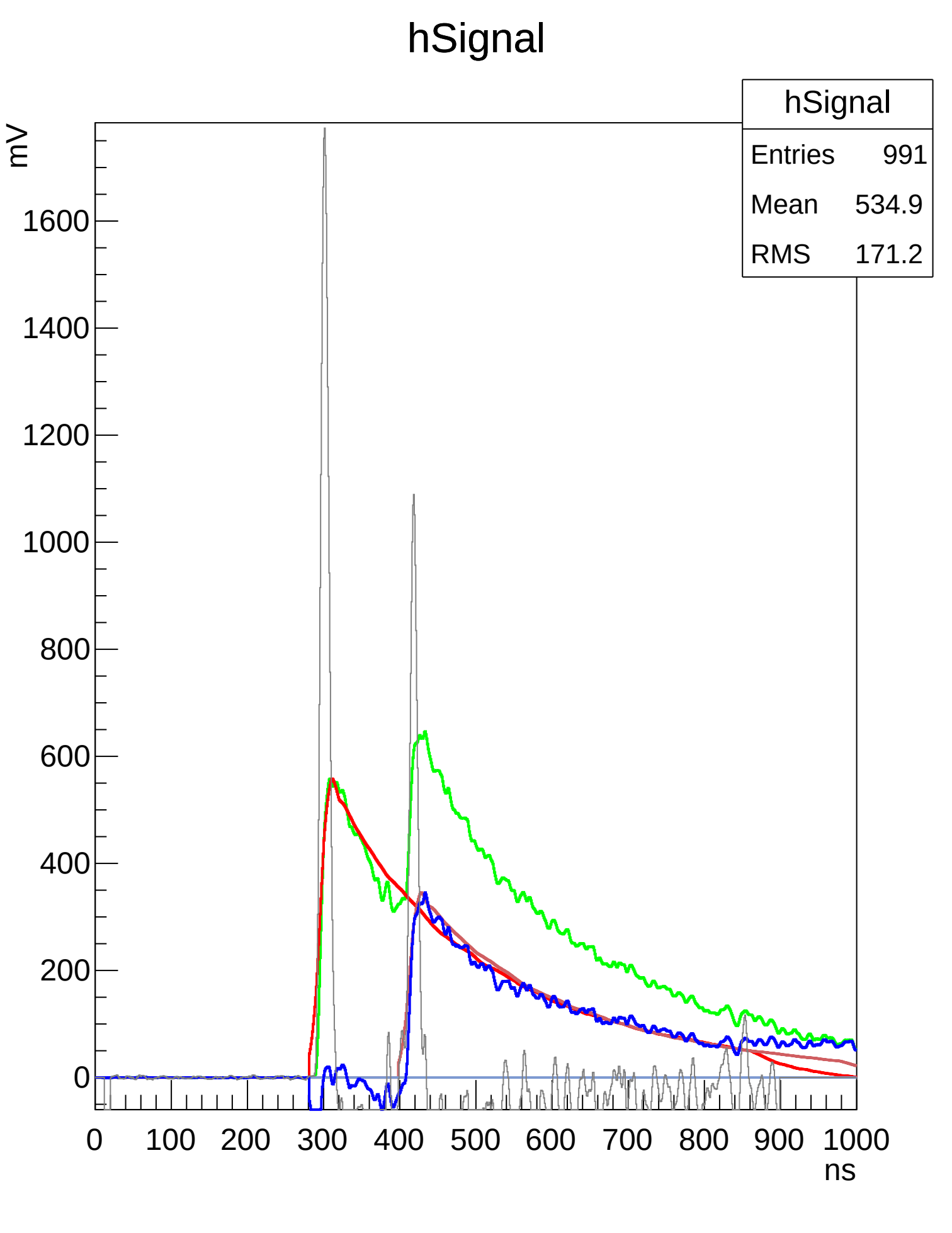
hSignal
hSignal
Entries 991
Mean 534.9
RMS 171.2
mV
1600
1400
1200
1000
800
600
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200
0
0
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200
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400
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800
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1000
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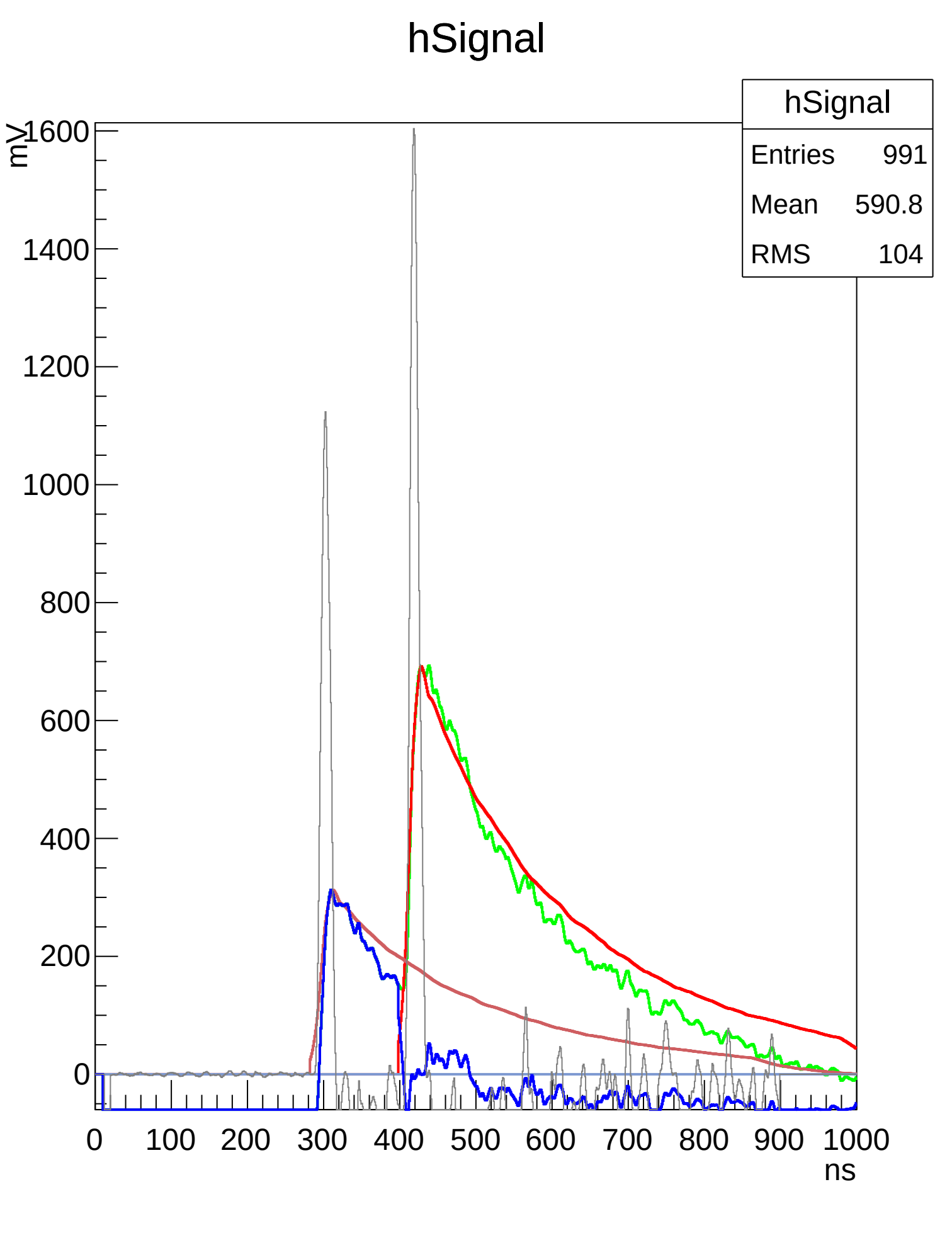
hSignal
hSignal
Entries 991
Mean 590.8
RMS 104
mV
1600
1400
1200
1000
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600
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200
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0
100
200
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400
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1000
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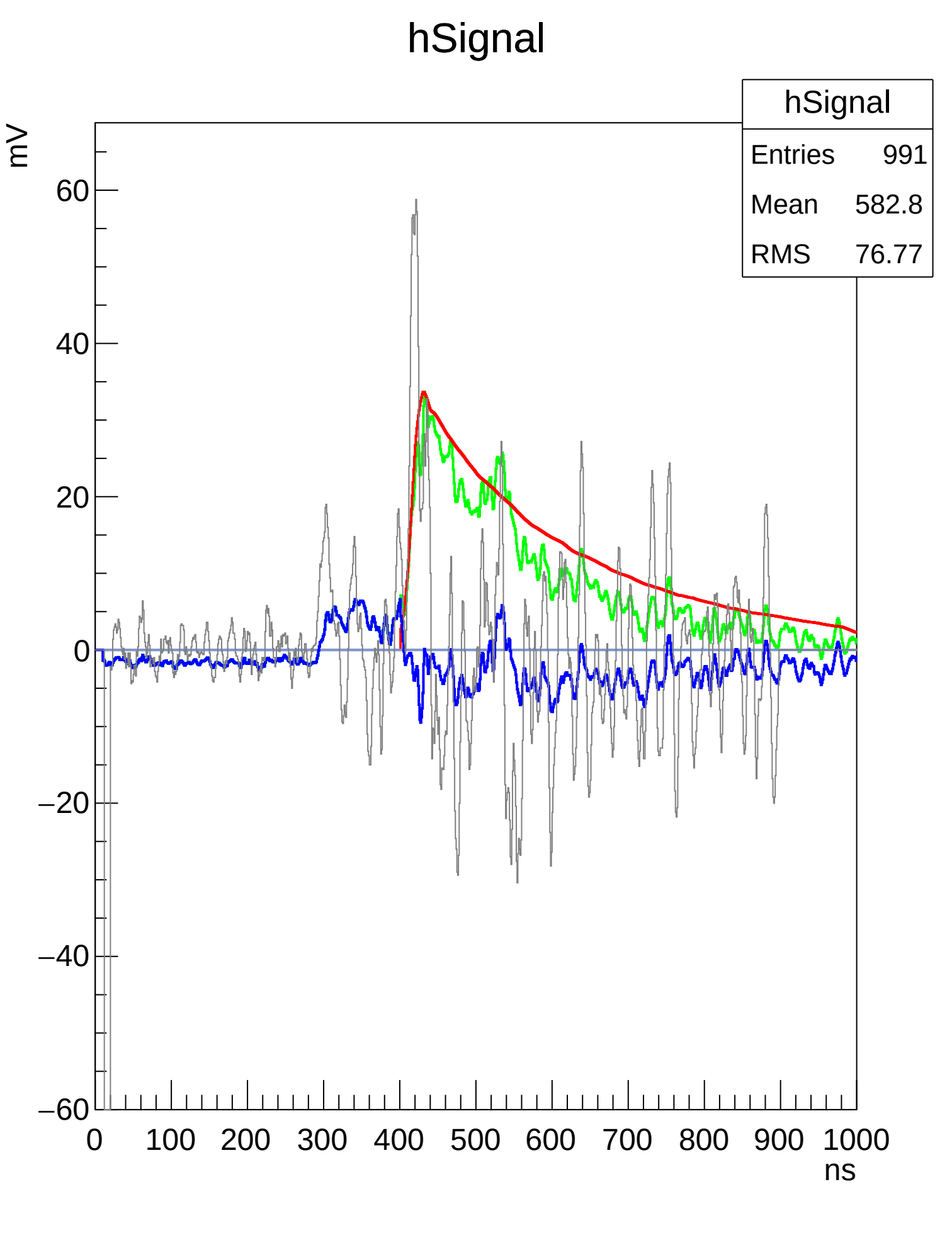
hSignal
hSignal
Entries 991
Mean 582.8
RMS 76.77
mV
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−20
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0
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200
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400
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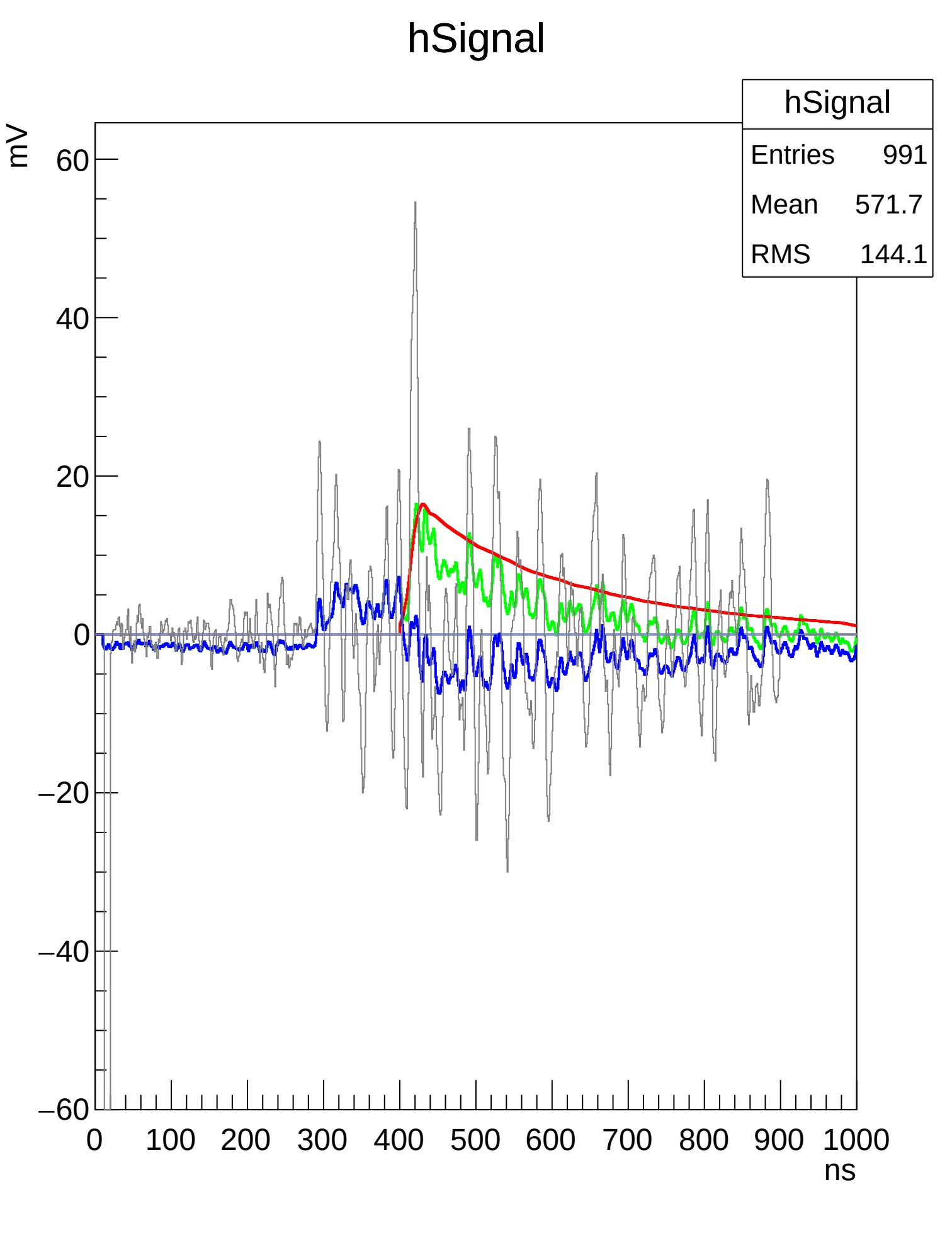
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.7
RMS 144.1
mV
60
40
20
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−20
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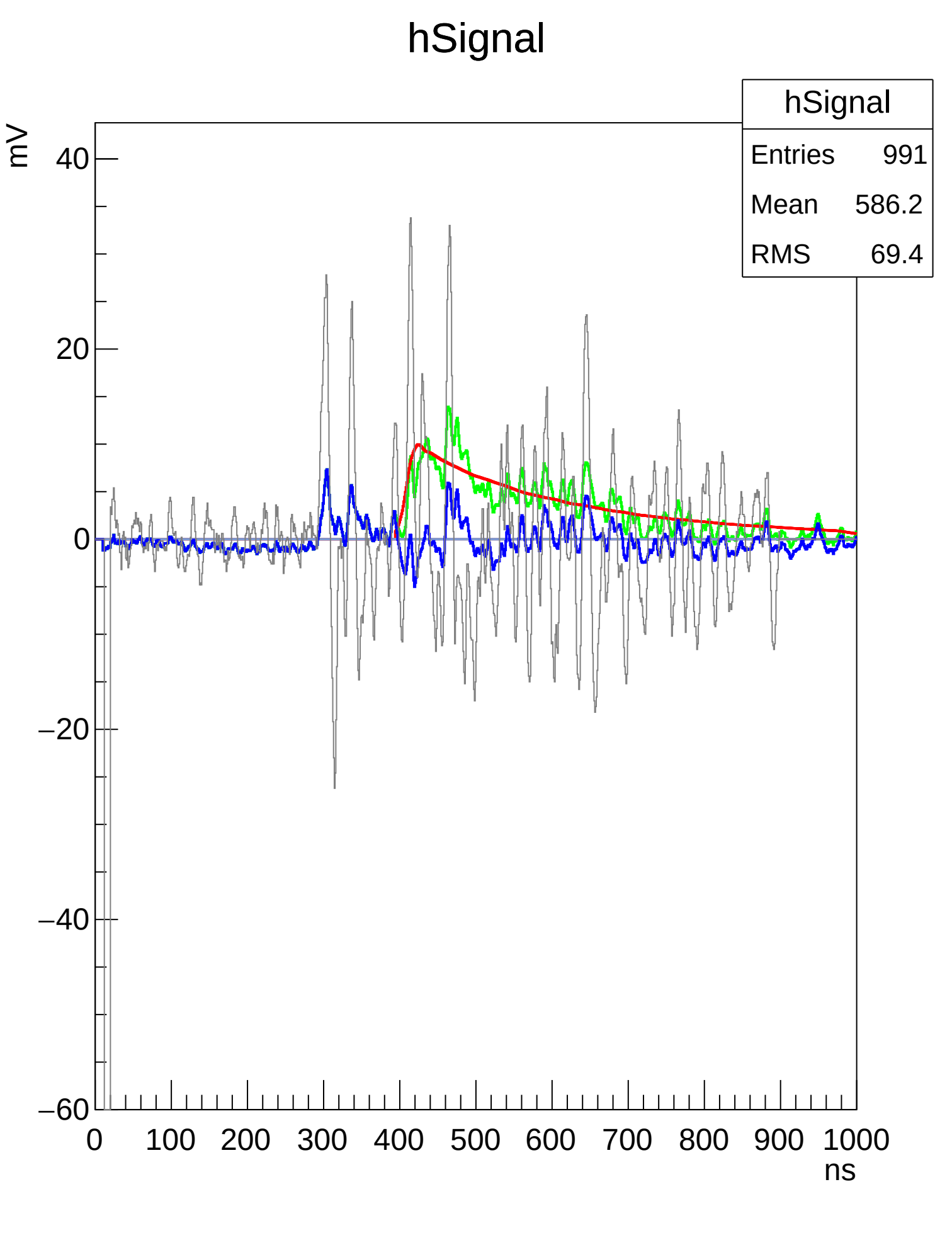
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.2
RMS 69.4
mV
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−20
−40
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0
100
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600
700
800
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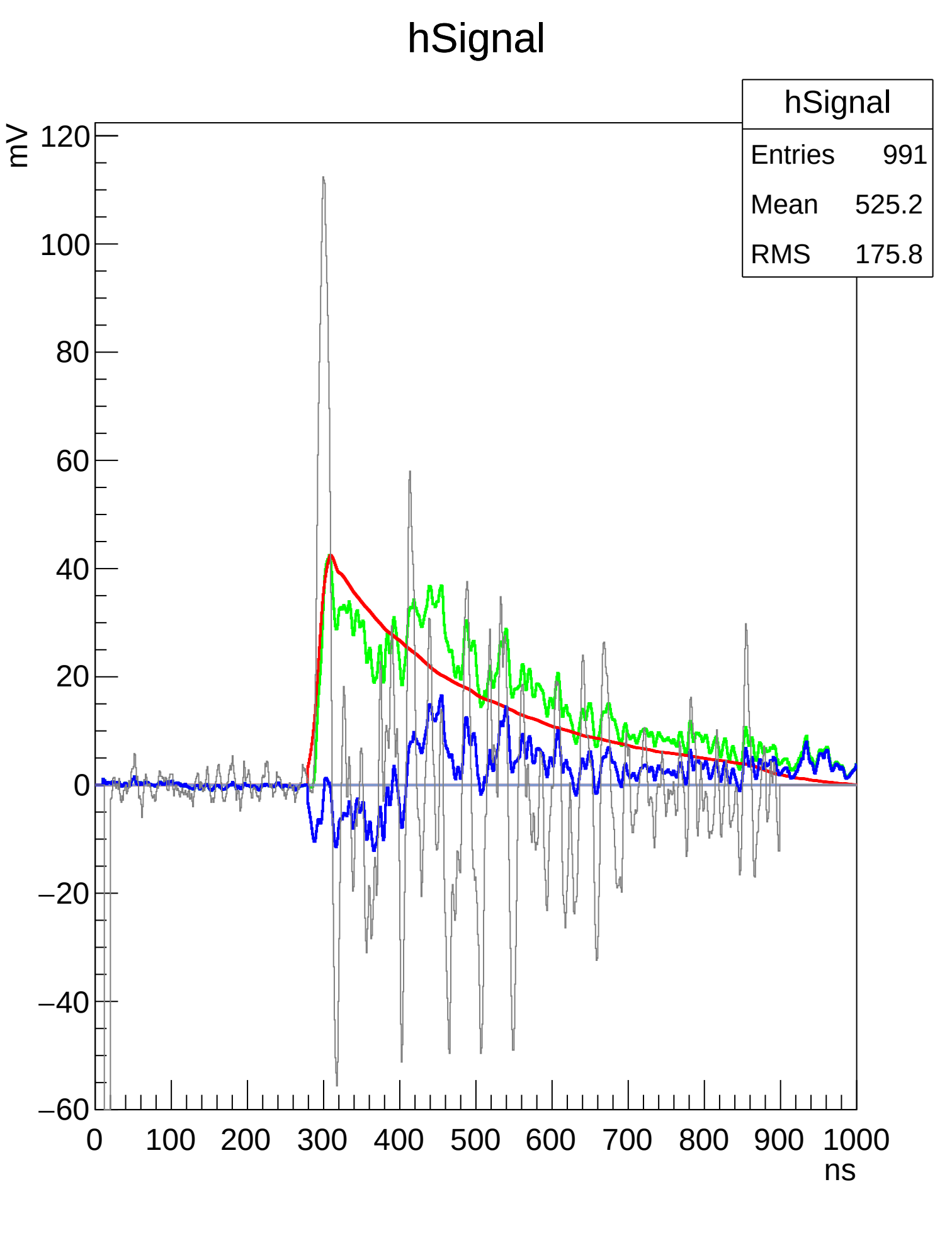
1000
ns


hSignal
hSignal
Entries 991
Mean 525.2
RMS 175.8
mV
120
100
80
60
40
20
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−60
0
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200
300
400
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600
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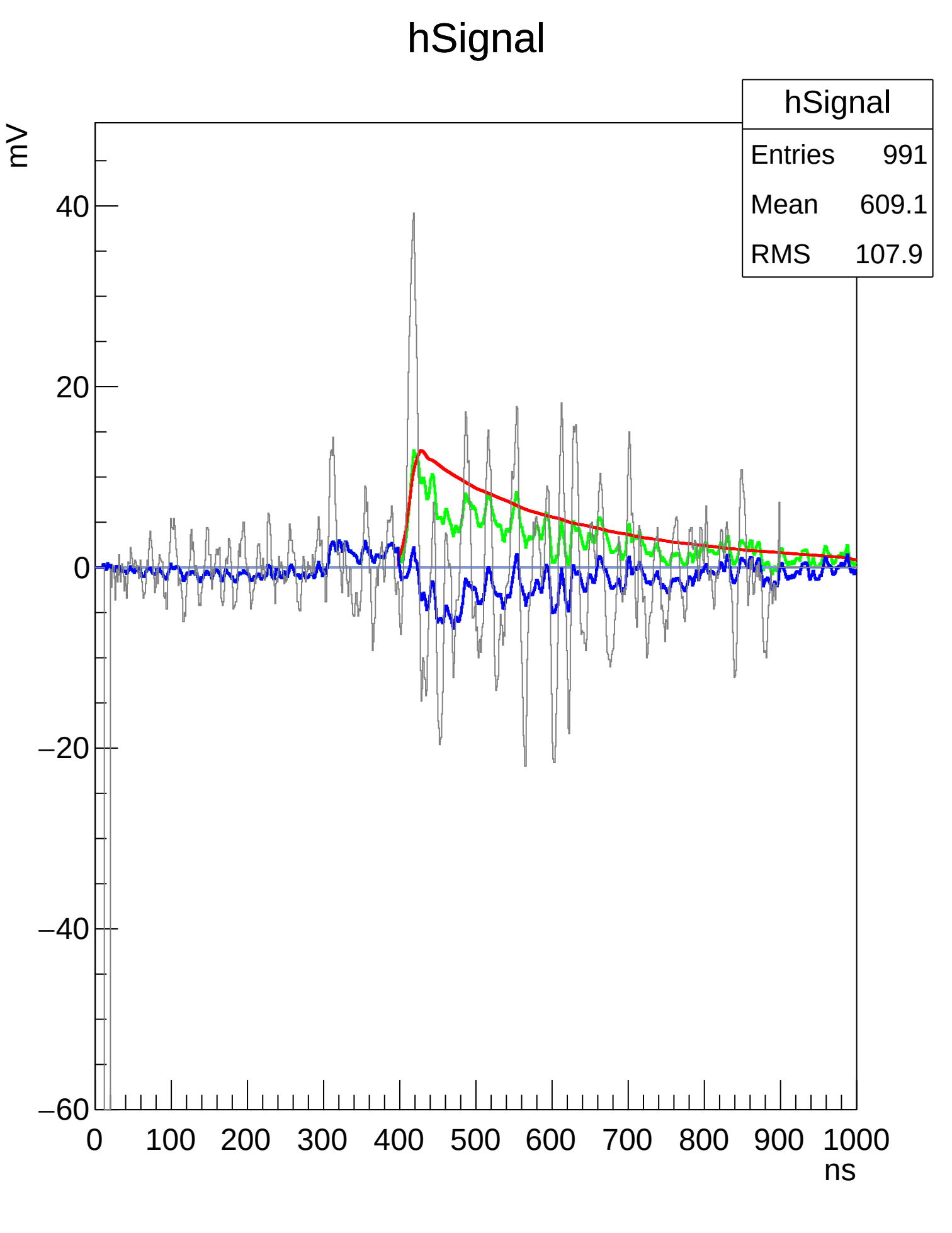
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.1
RMS 107.9
mV
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−20
−40
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0
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600
700
800
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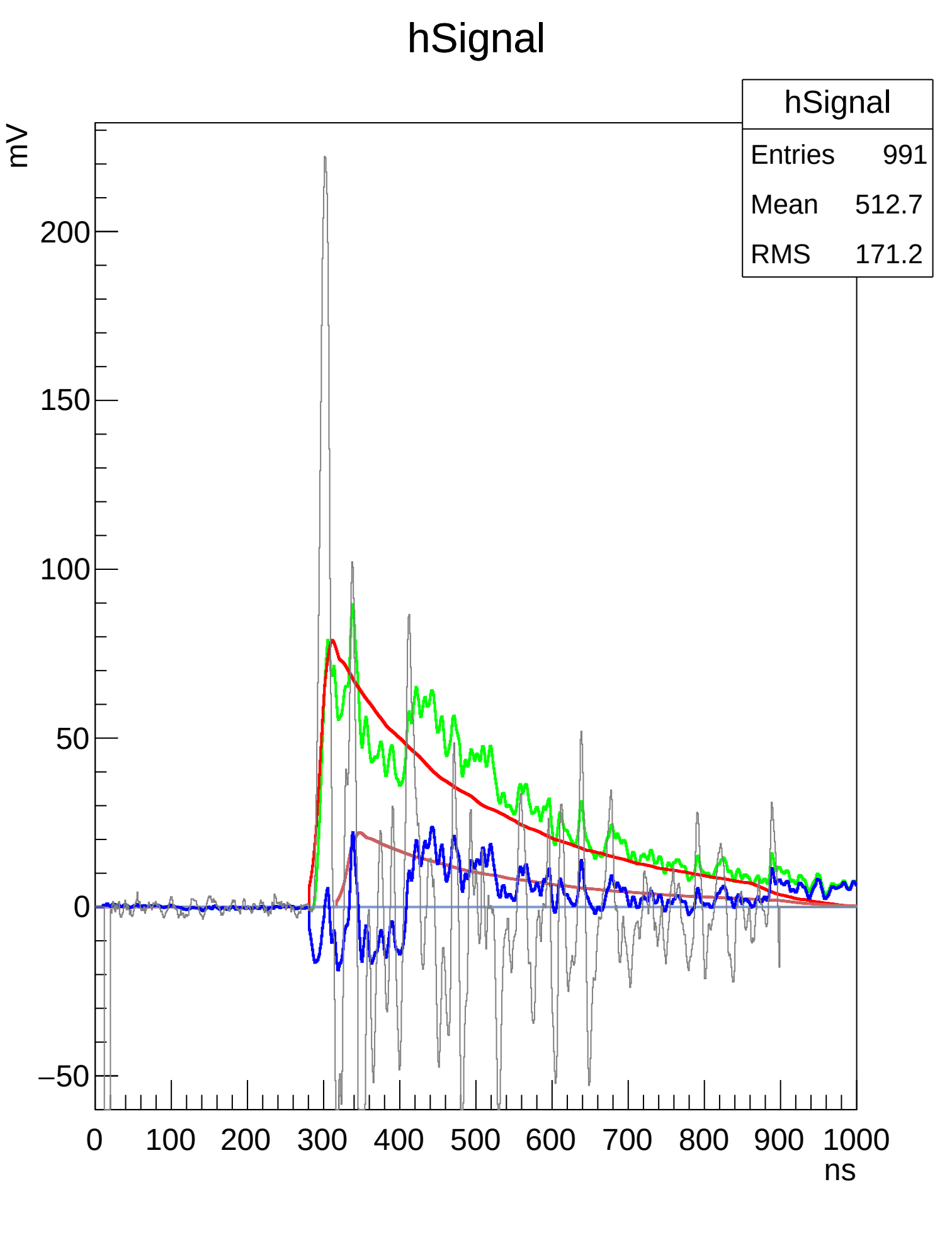
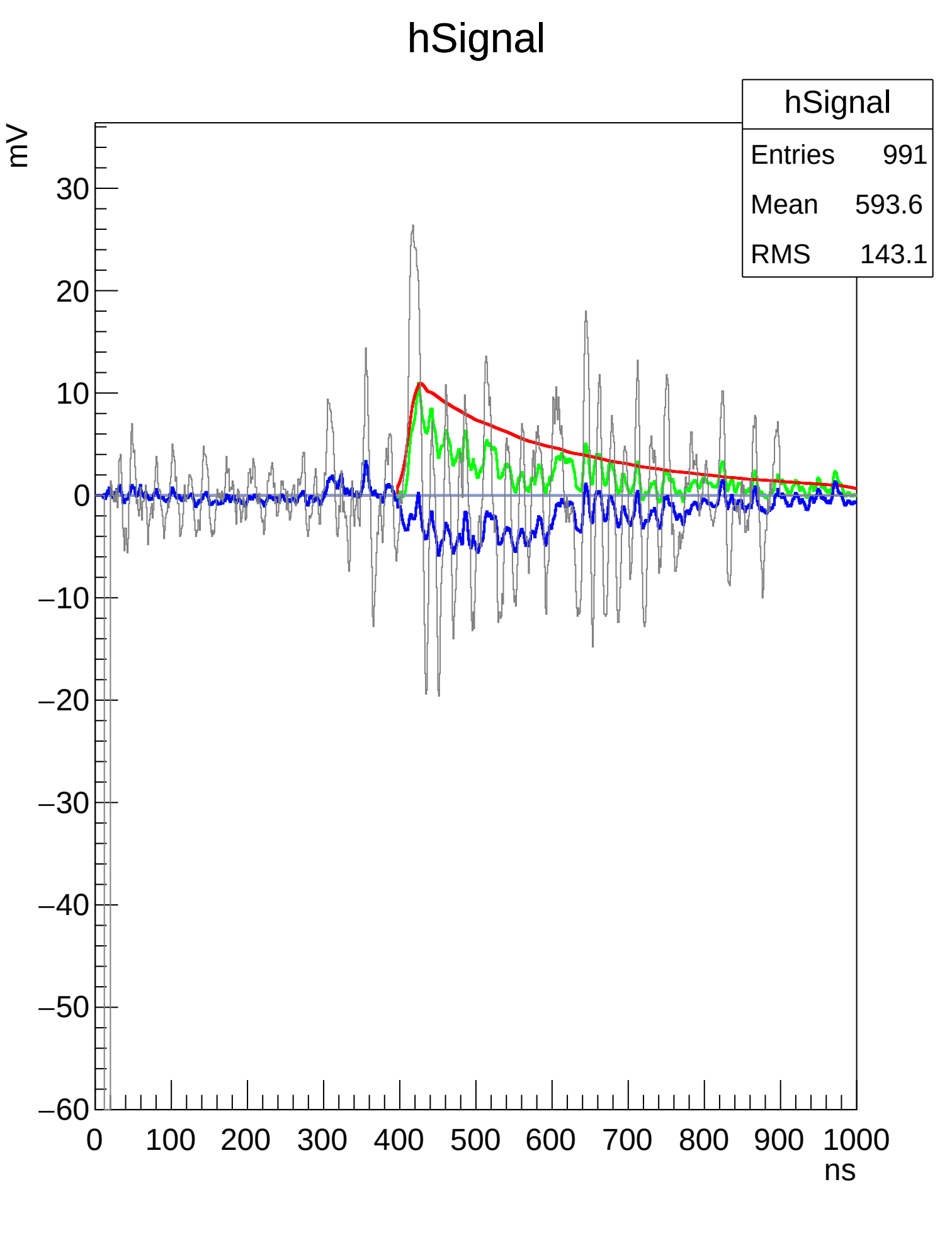
1000
ns


hSignal
hSignal
Entries 991
Mean 512.7
RMS 171.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 143.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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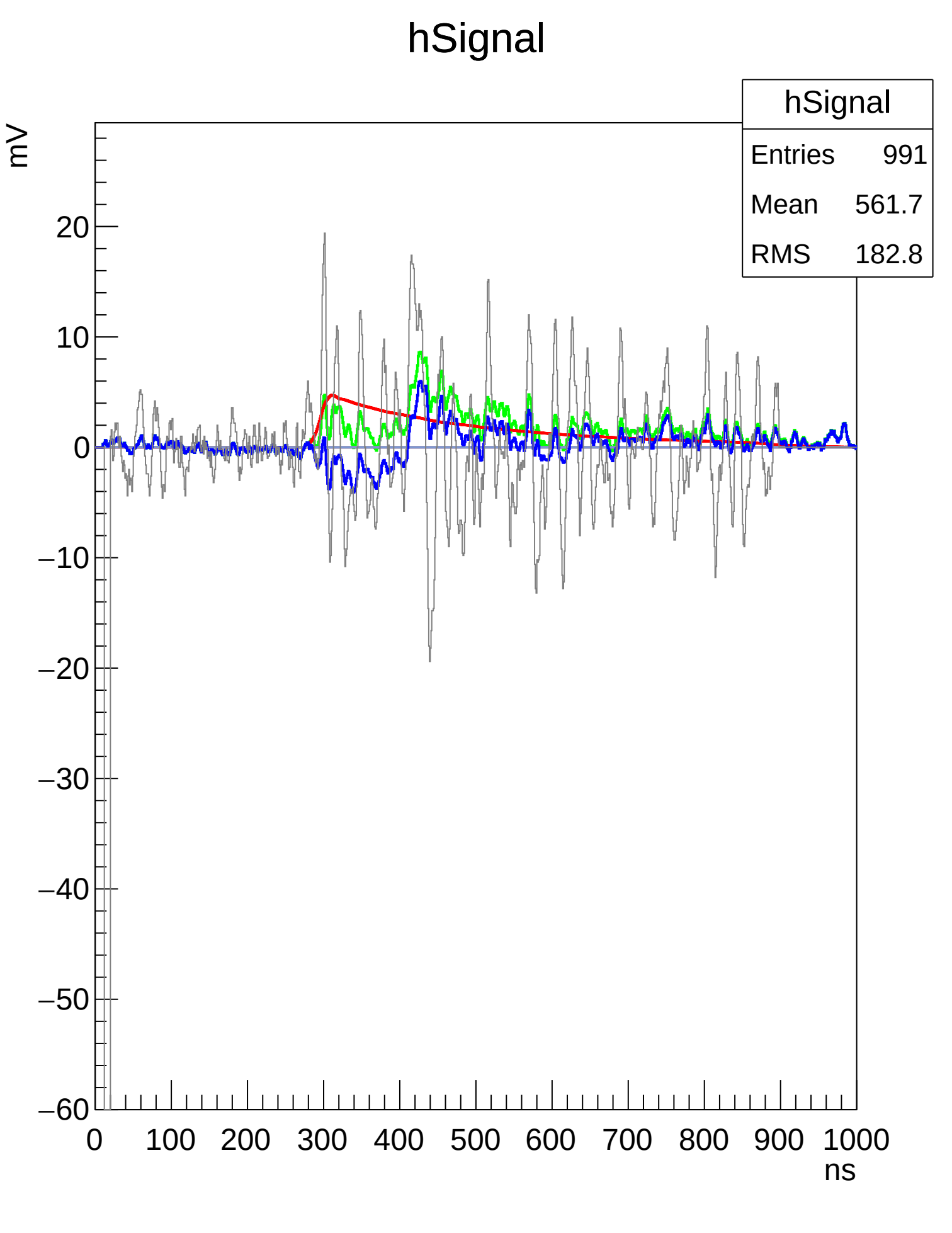
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.7
RMS 182.8
mV
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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1000
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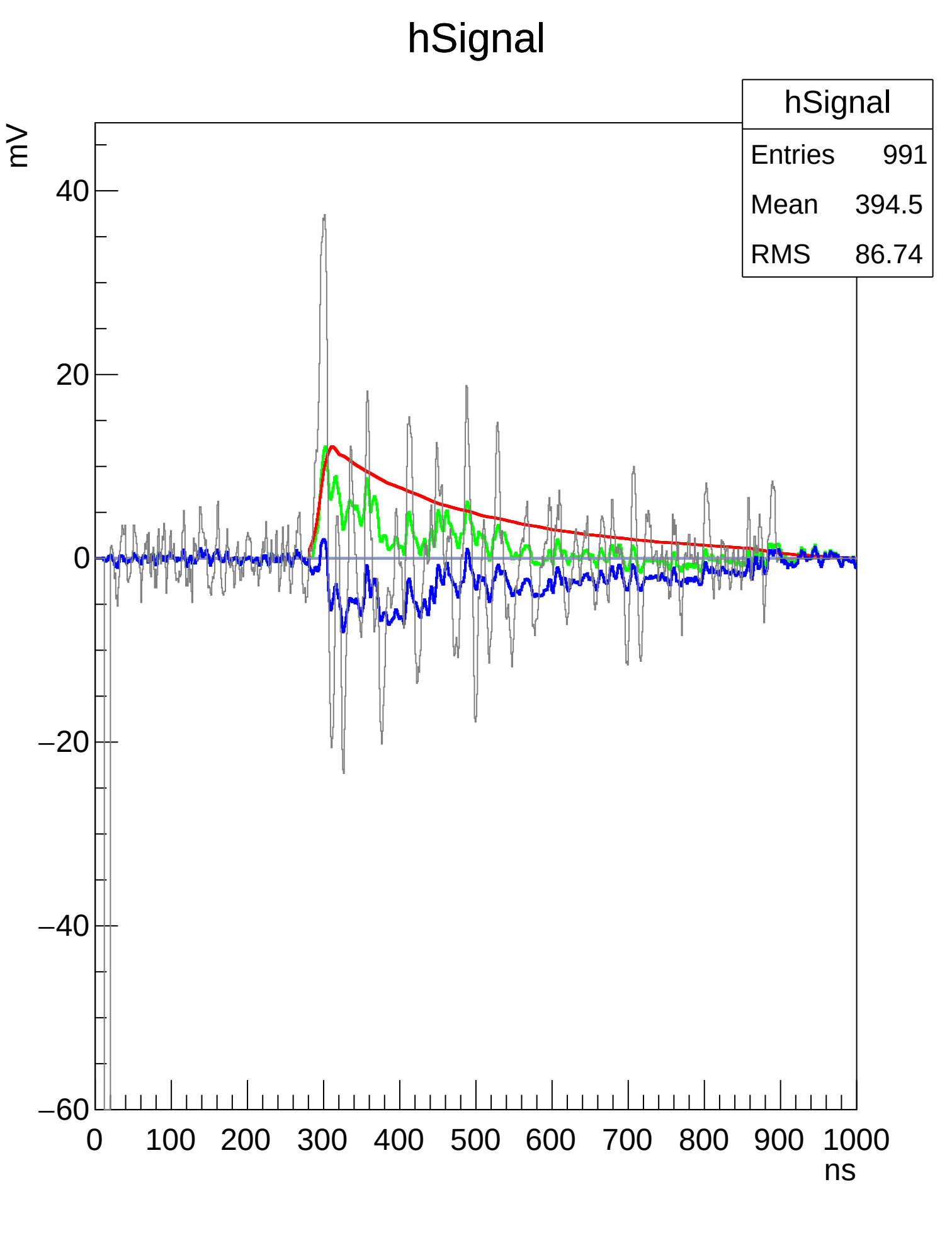
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hSignal
Entries 991
Mean 394.5
RMS 86.74
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−20
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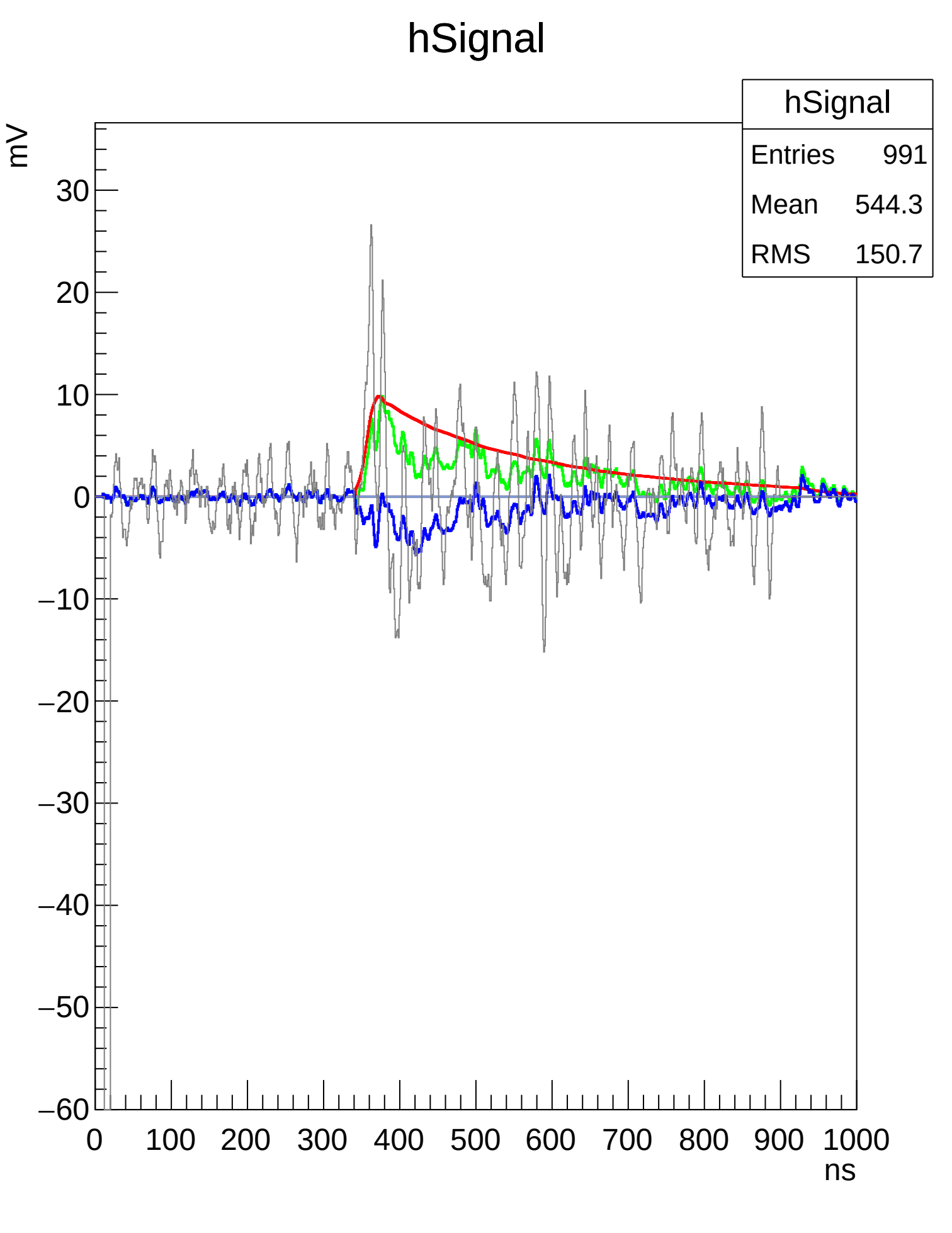
hSignal
hSignal
Entries 991
Mean 544.3
RMS 150.7
mV
30
20
10
0
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−40
−50
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0
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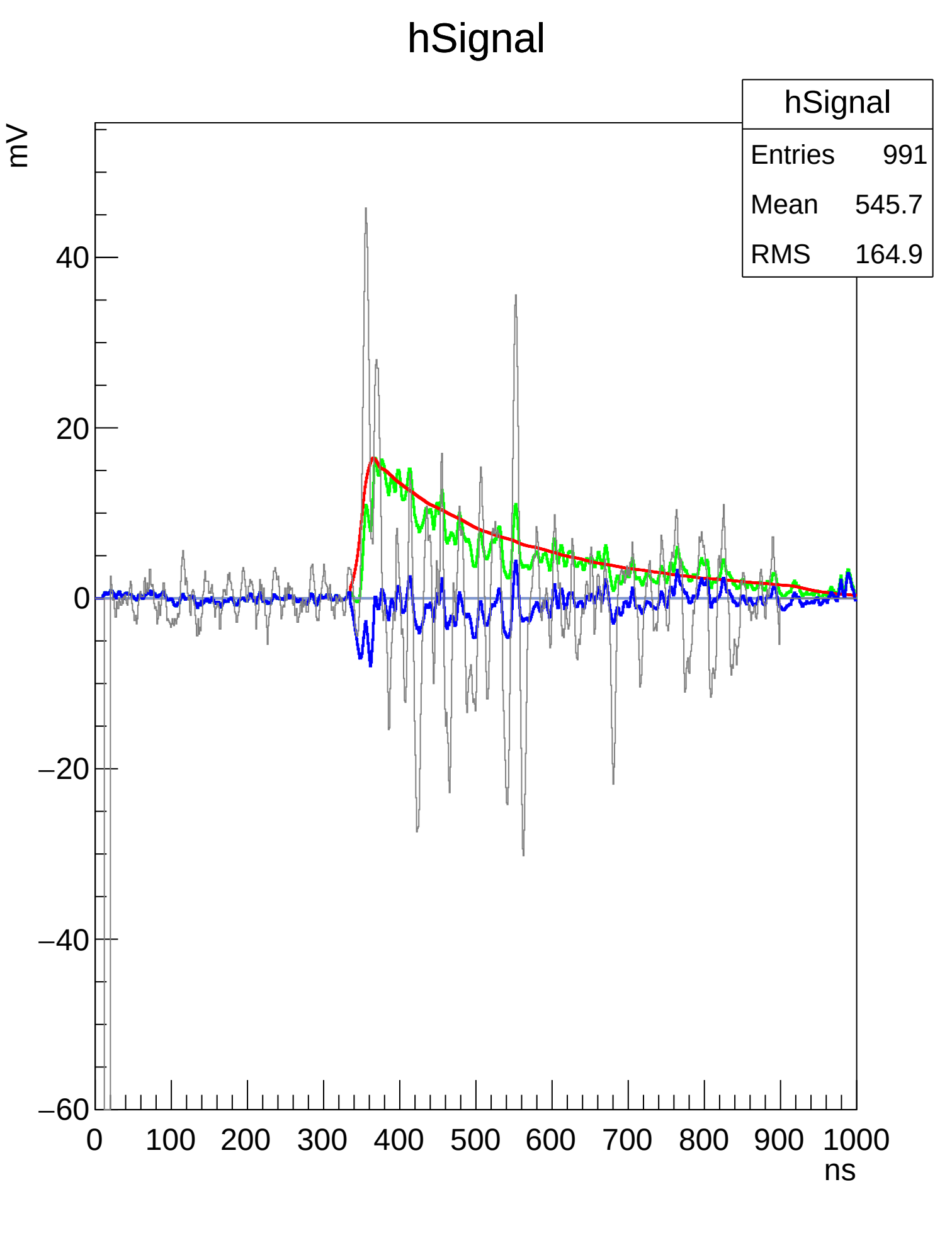
hSignal
hSignal
Entries 991
Mean 545.7
RMS 164.9
mV
40
20
0
−20
−40
−60
0
100
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700
800
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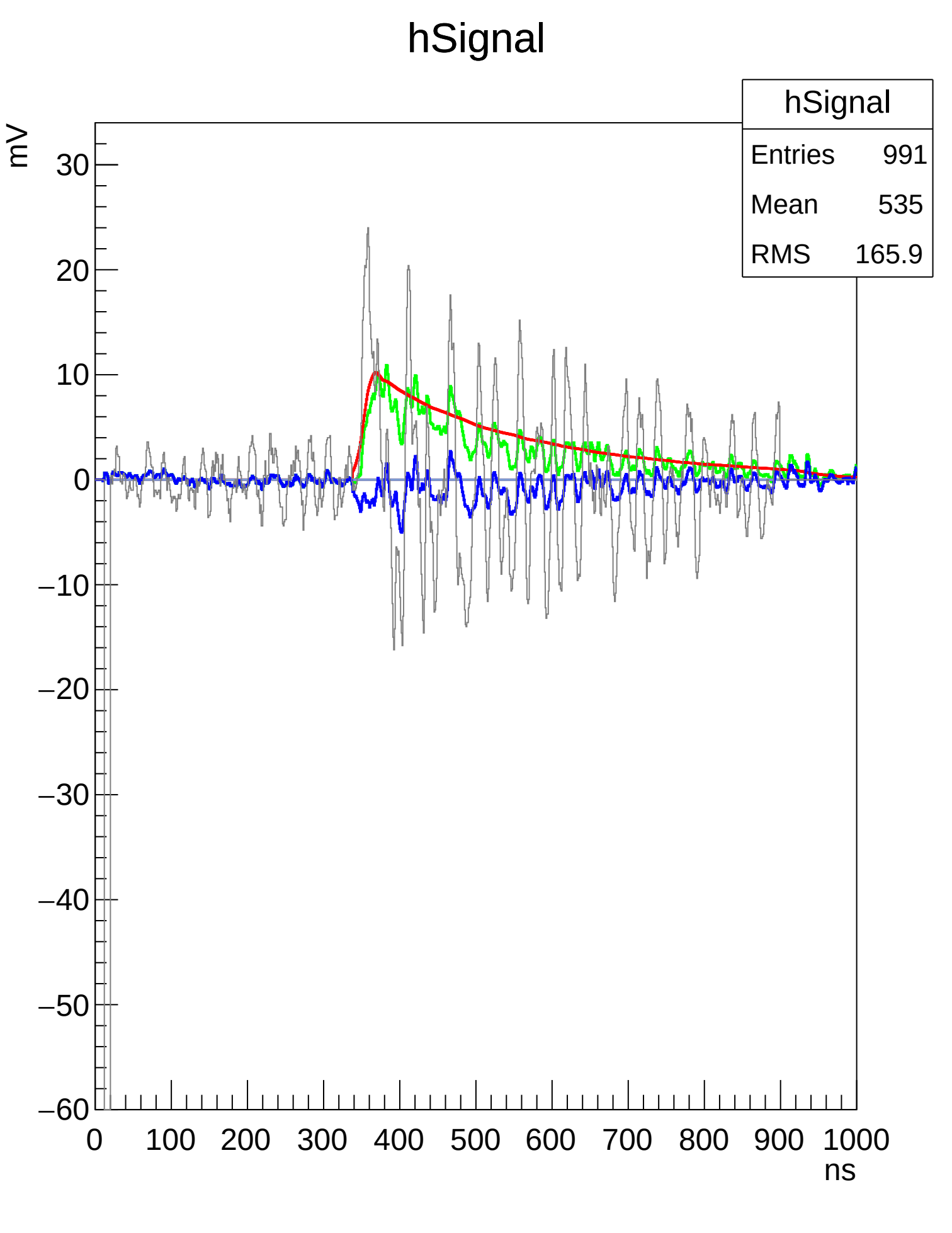
1000
ns


hSignal
hSignal
Entries 991
Mean 535
RMS 165.9
mV
30
20
10
0
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−40
−50
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1000
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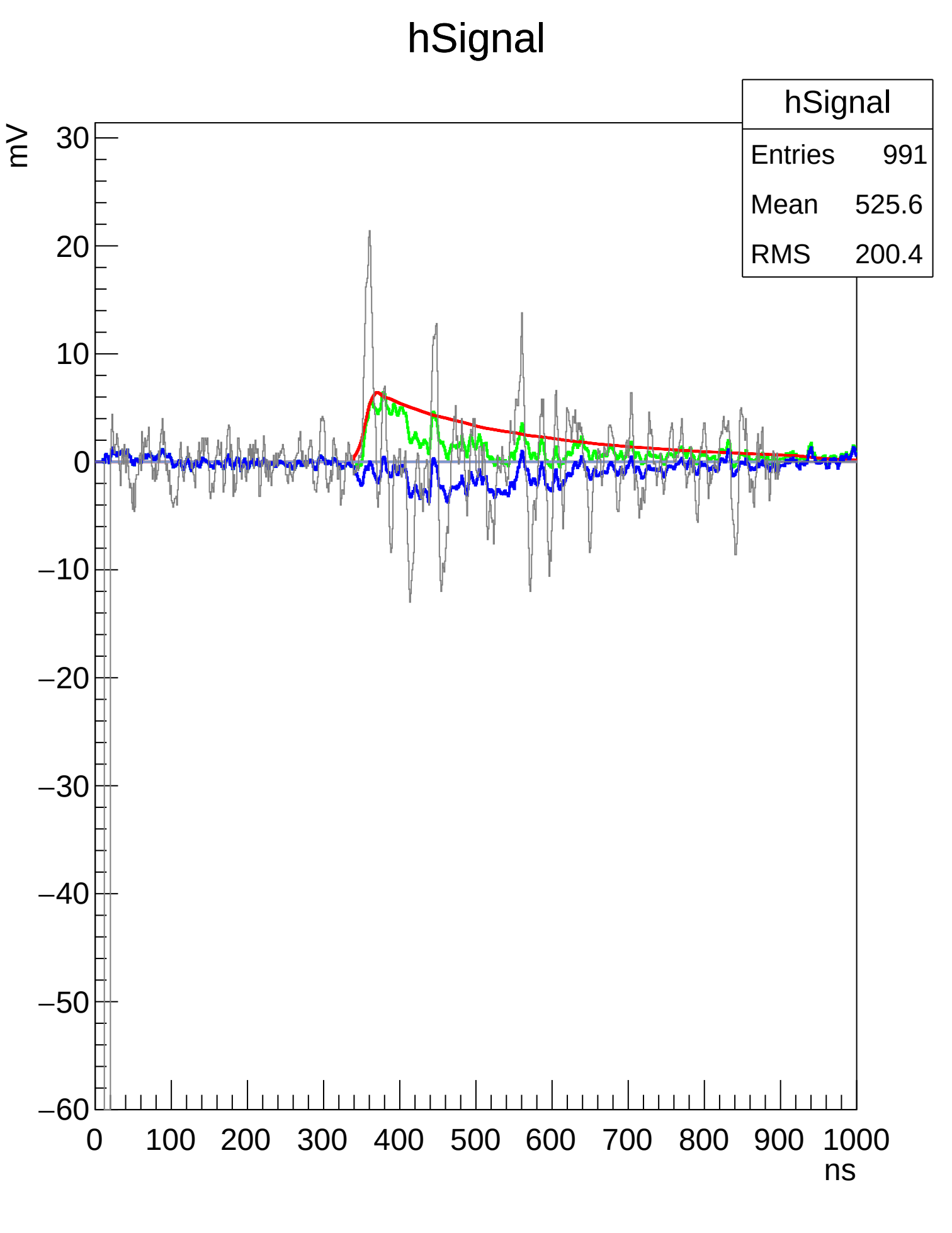
hSignal
hSignal
Entries 991
Mean 525.6
RMS 200.4
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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800
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1000
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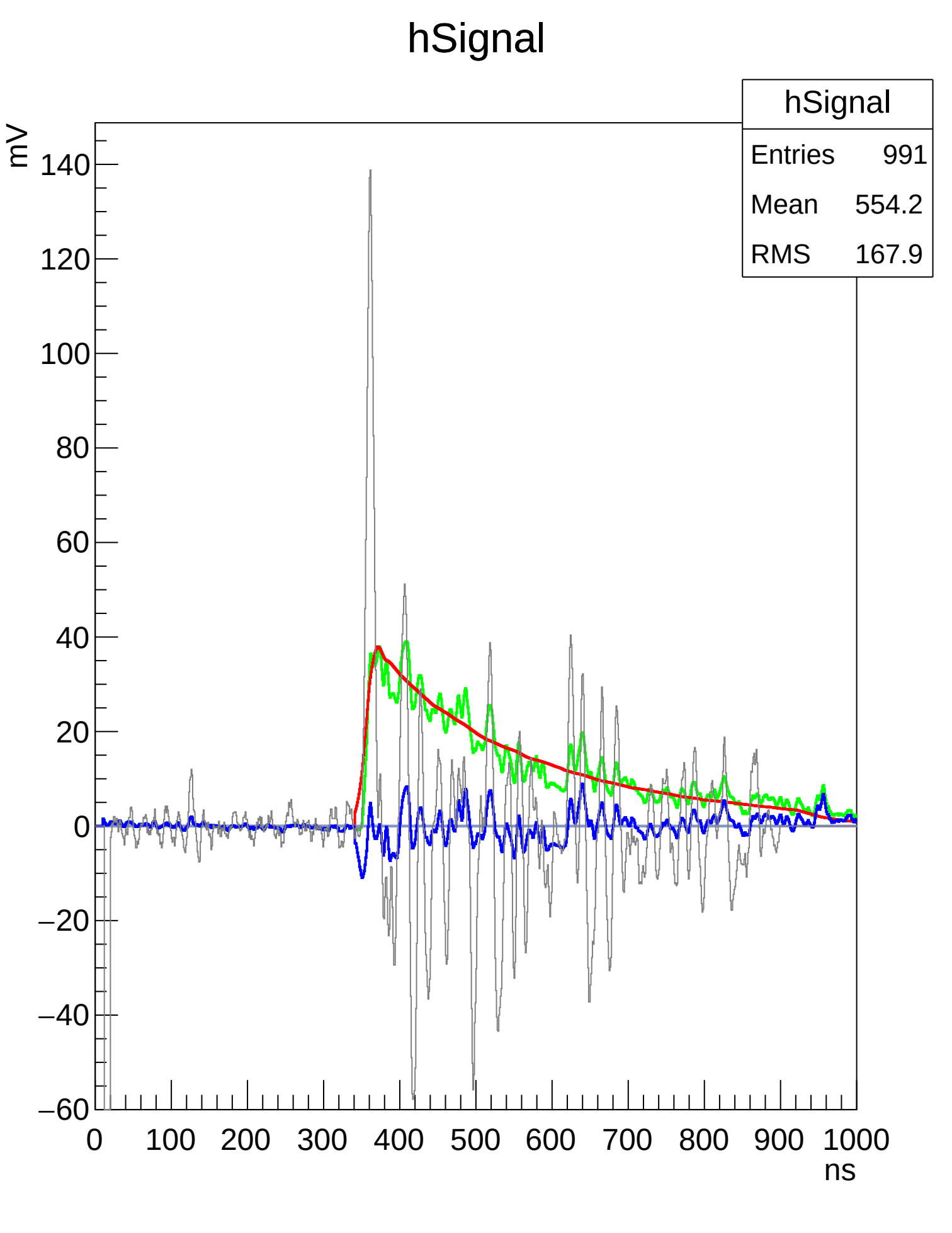
hSignal
hSignal
Entries 991
Mean 554.2
RMS 167.9
mV
140
120
100
80
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40
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−20
−40
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0
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400
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1000
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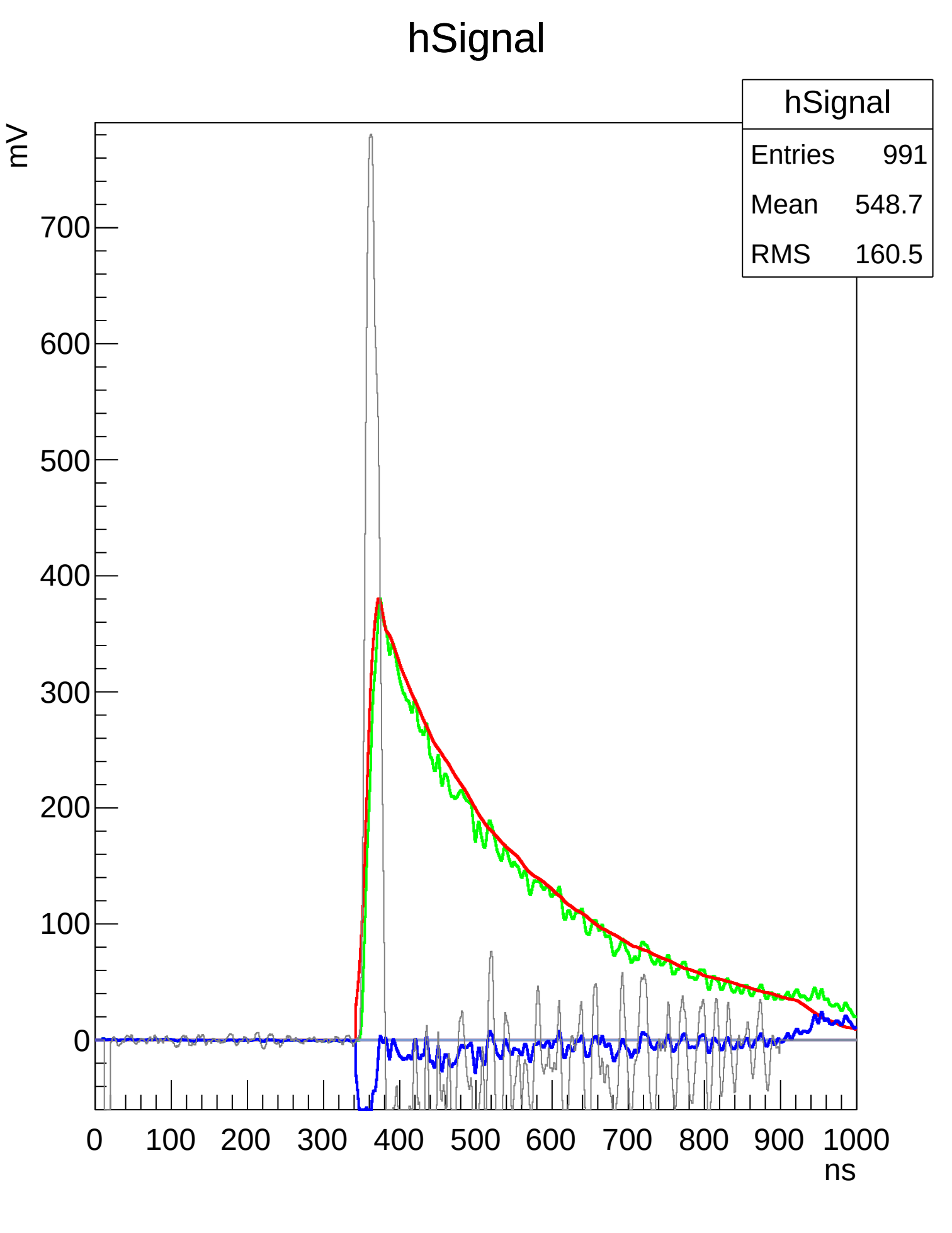
hSignal
hSignal
Entries 991
Mean 548.7
RMS 160.5
mV
700
600
500
400
300
200
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0
0
100
200
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400
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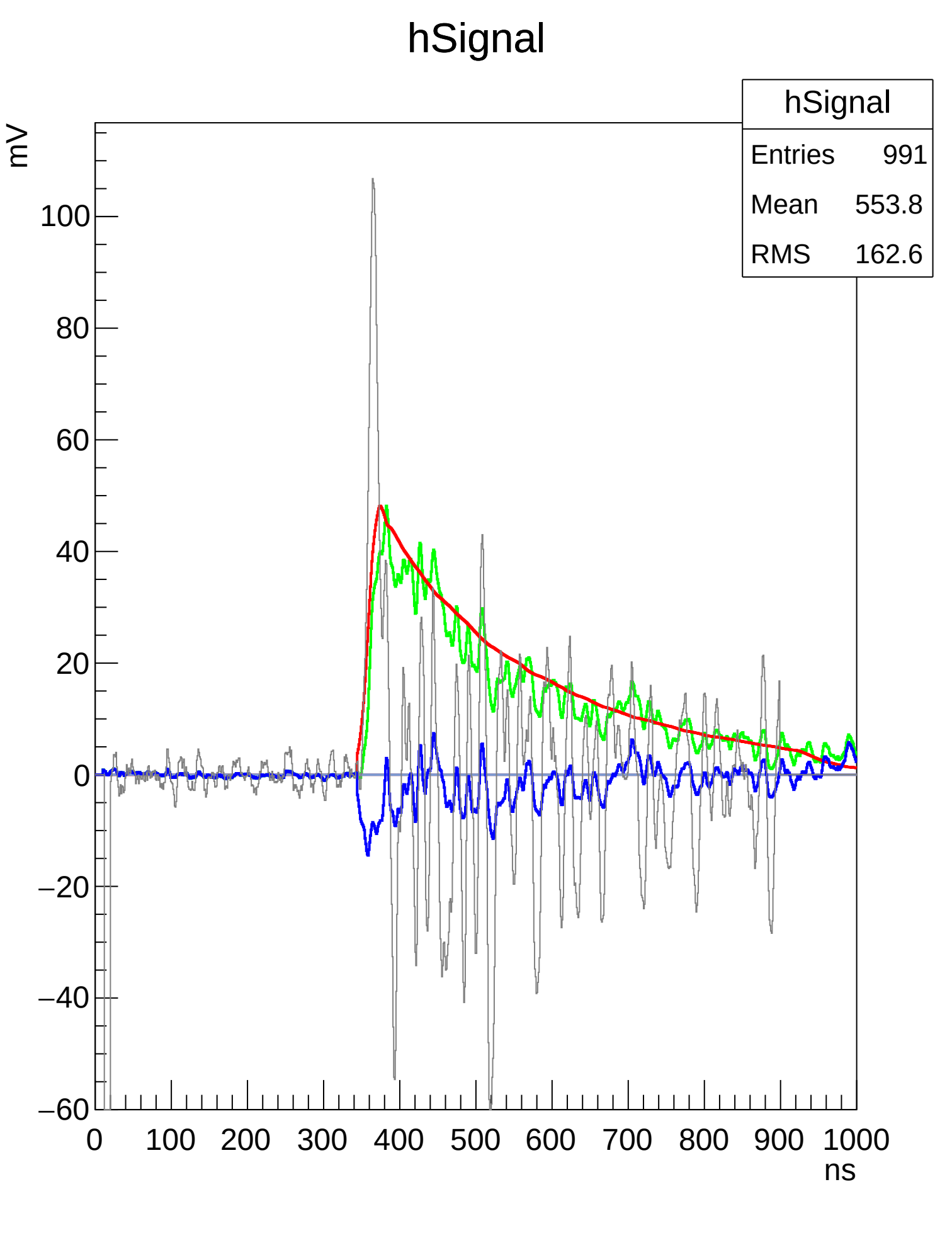
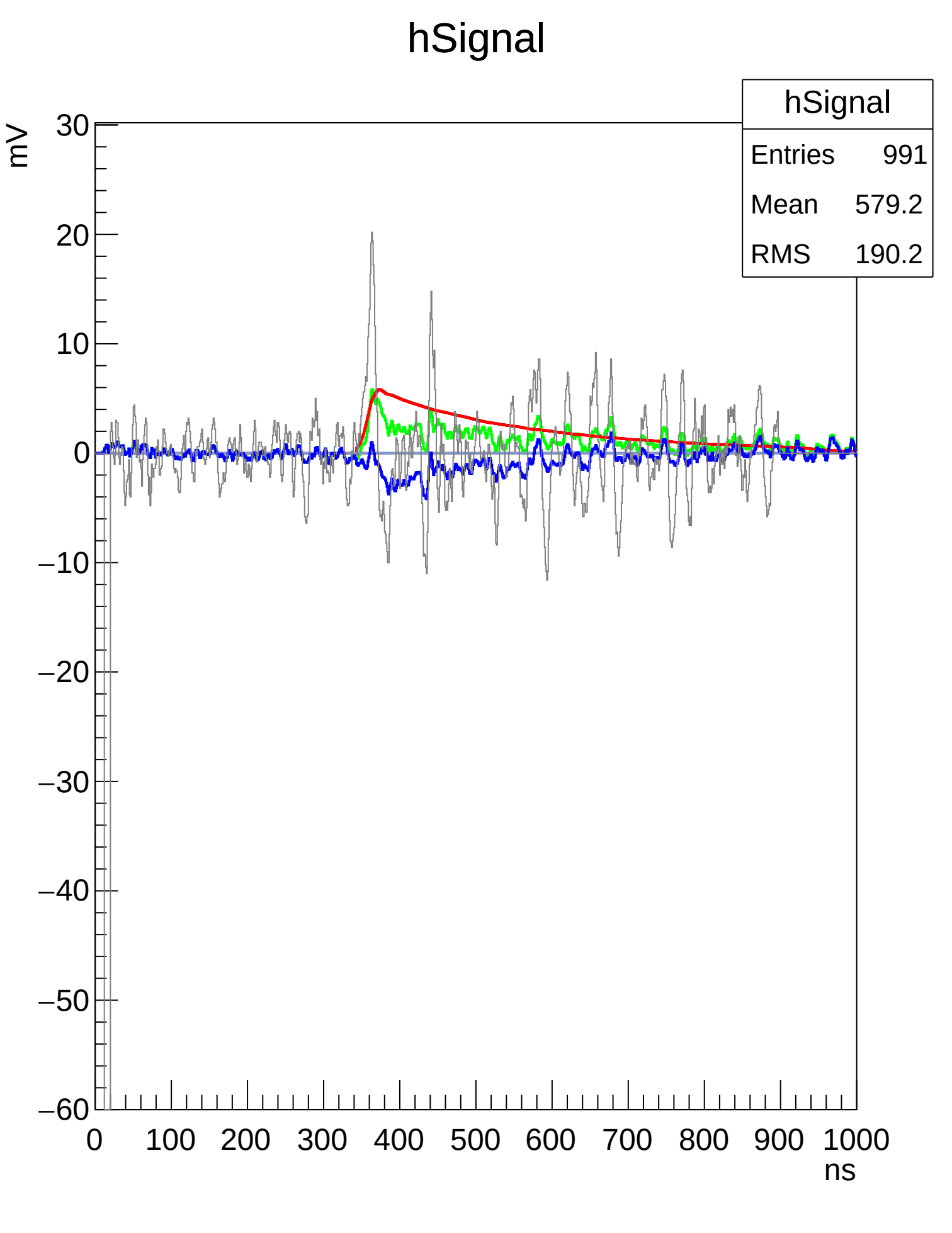
1000
ns


hSignal
hSignal
Entries 991
Mean 553.8
RMS 162.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 190.2
mV
30
20
10
0
−10
−20
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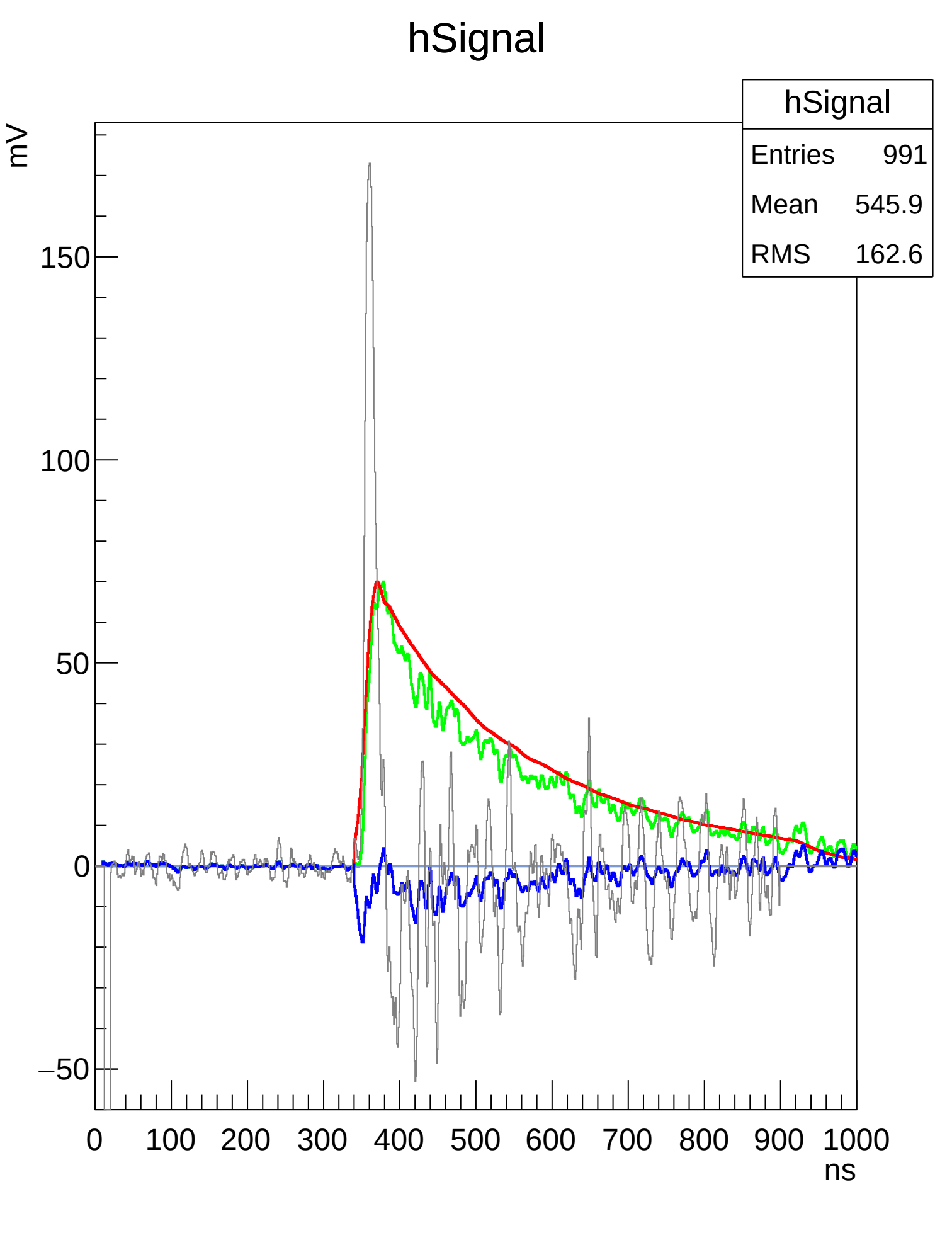
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.9
RMS 162.6
mV
150
100
50
0
−50
0
100
200
300
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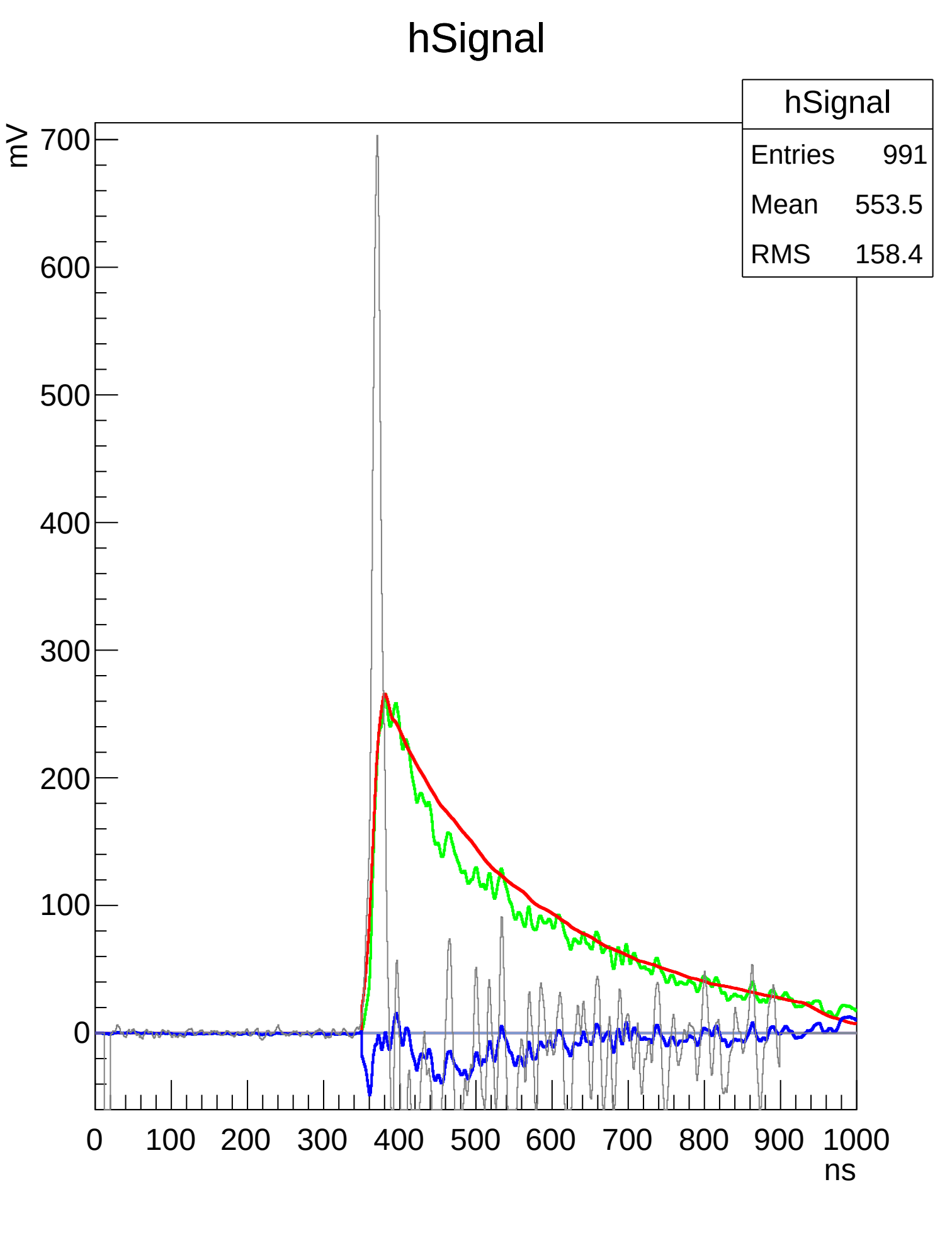
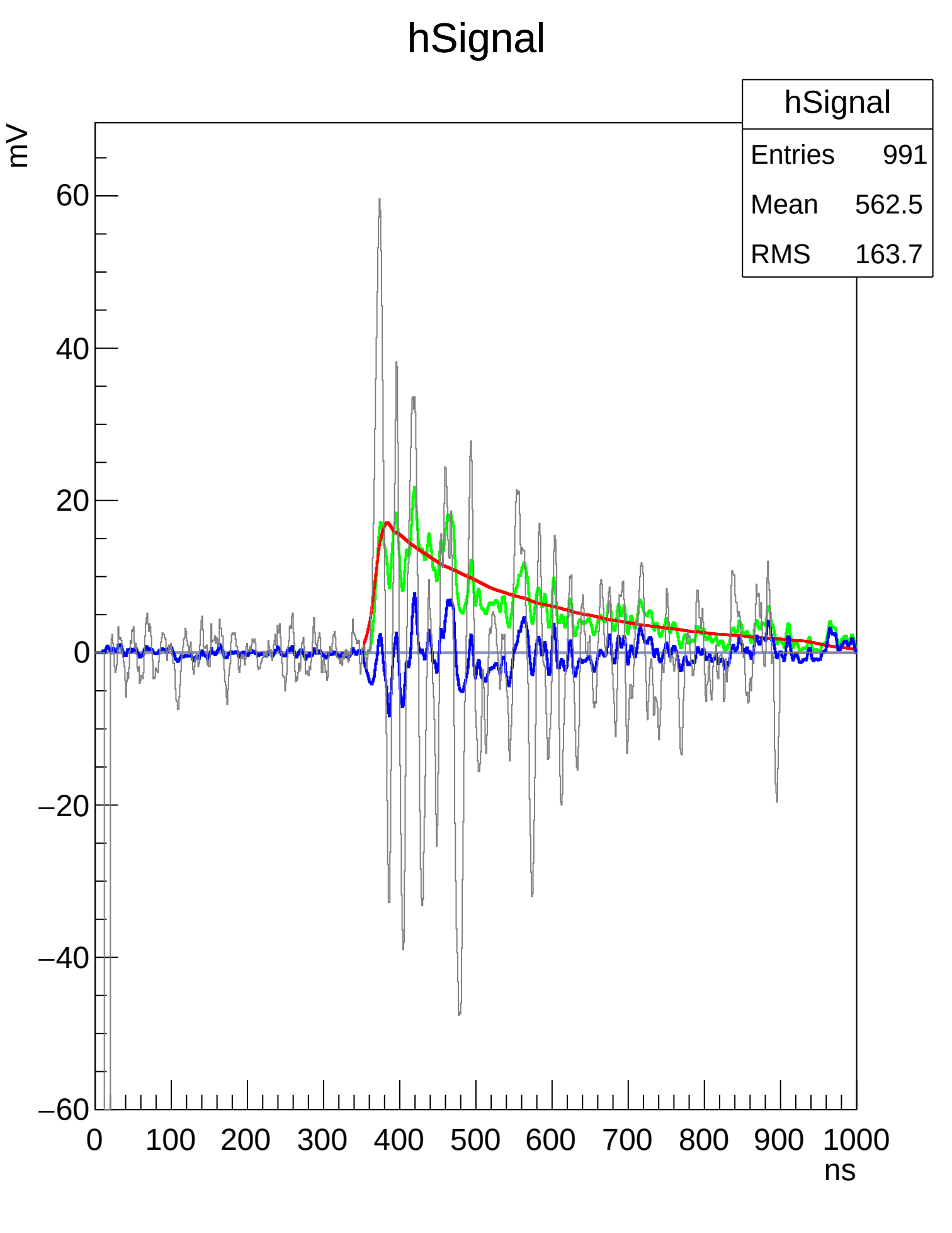
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.5
RMS 158.4
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.5
RMS 163.7
mV
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−40
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0
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400
500
600
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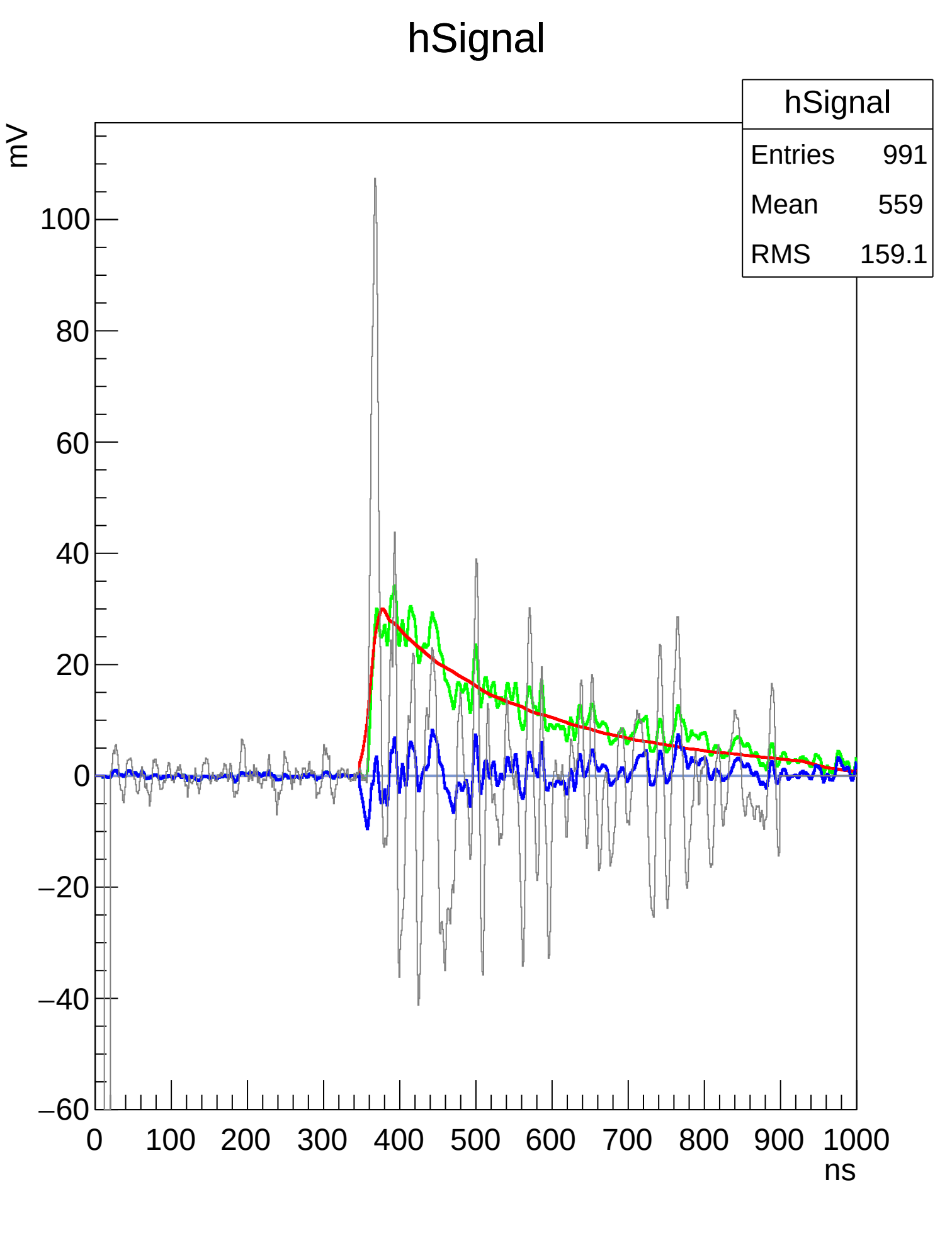
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559
RMS 159.1
mV
100
80
60
40
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−20
−40
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0
100
200
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400
500
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800
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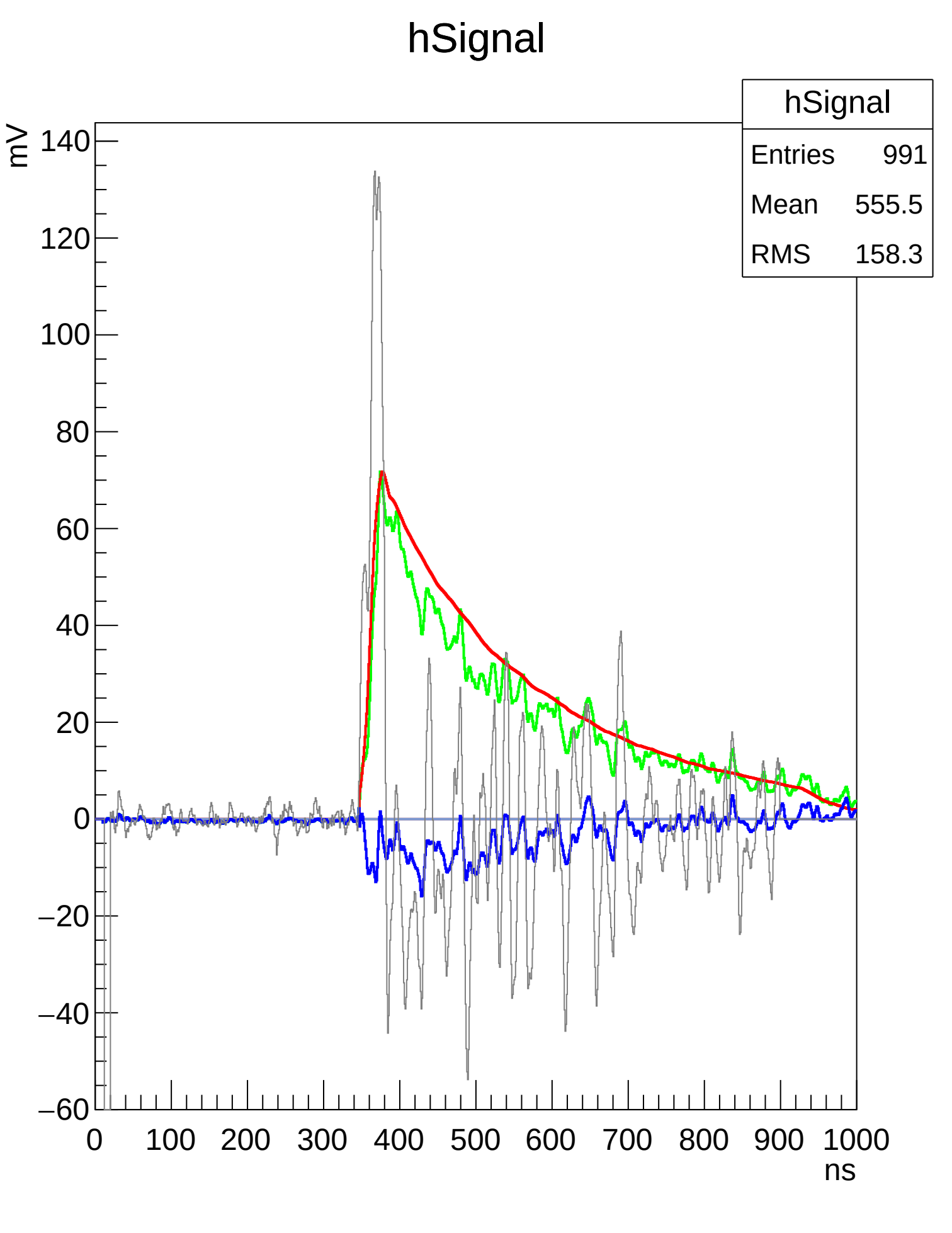
1000
ns


hSignal
hSignal
Entries 991
Mean 555.5
RMS 158.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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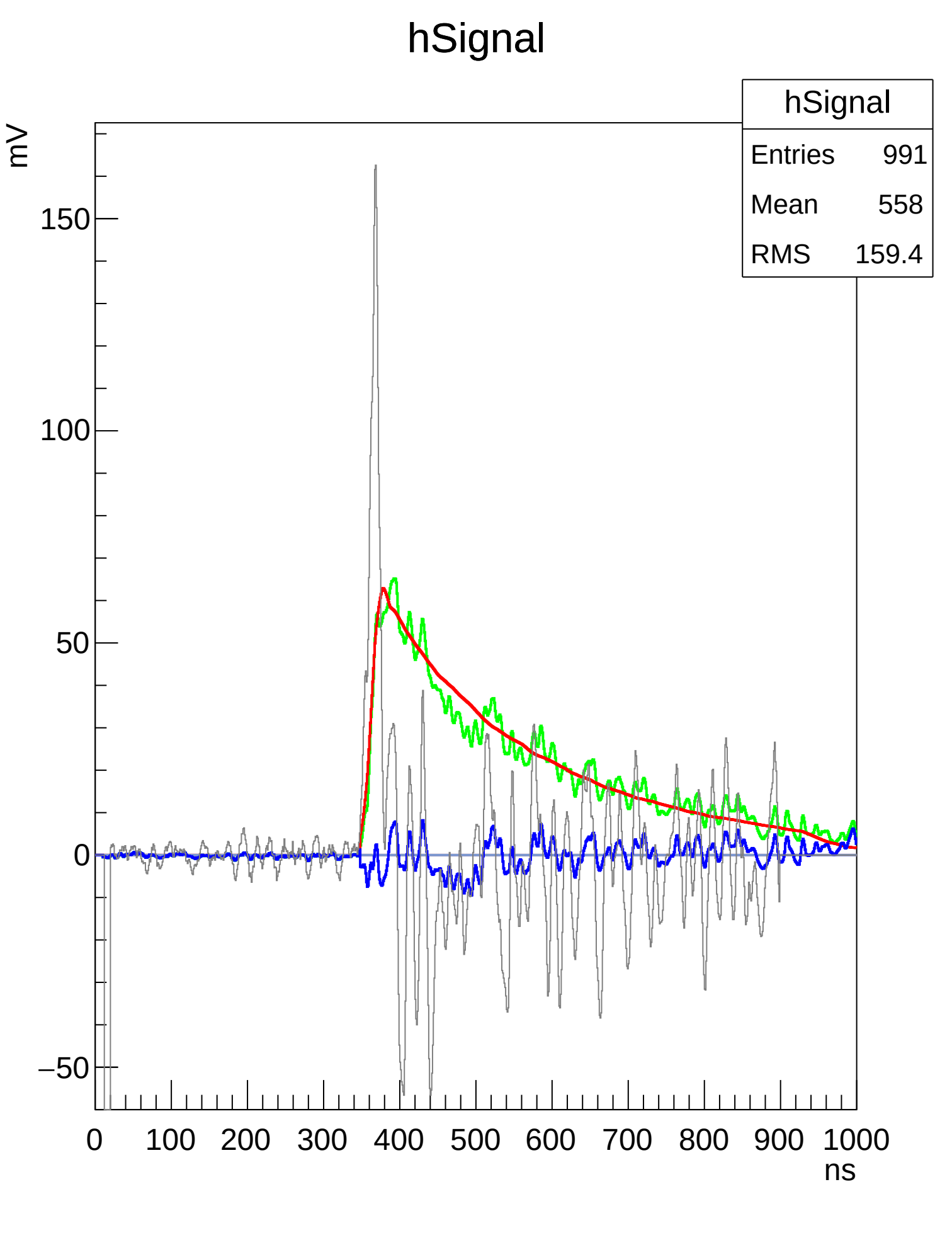
800
900
1000
ns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hSignal
Entries 991
Mean 558
RMS 159.4
mV
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0
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0
100
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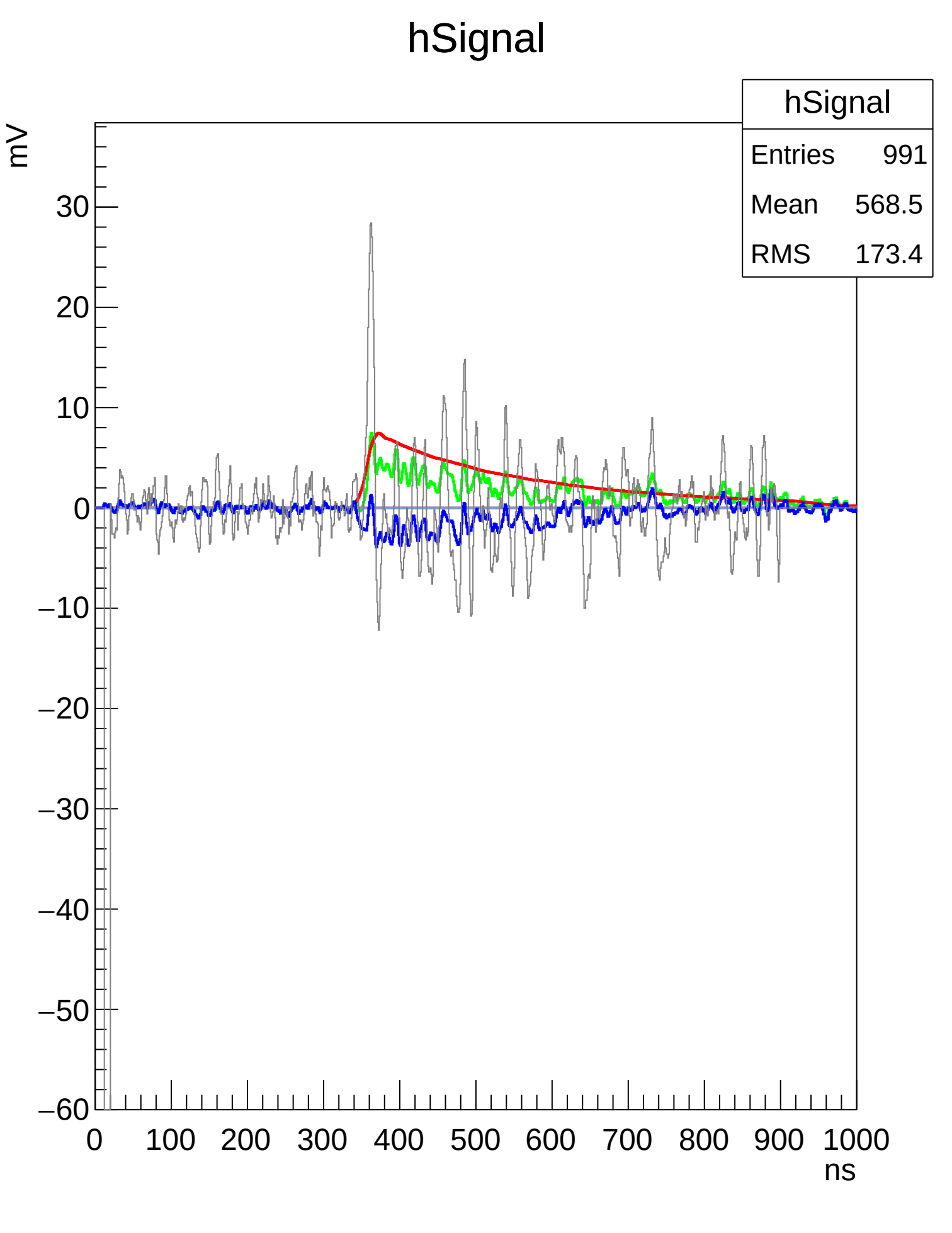
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.5
RMS 173.4
mV
30
20
10
0
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0
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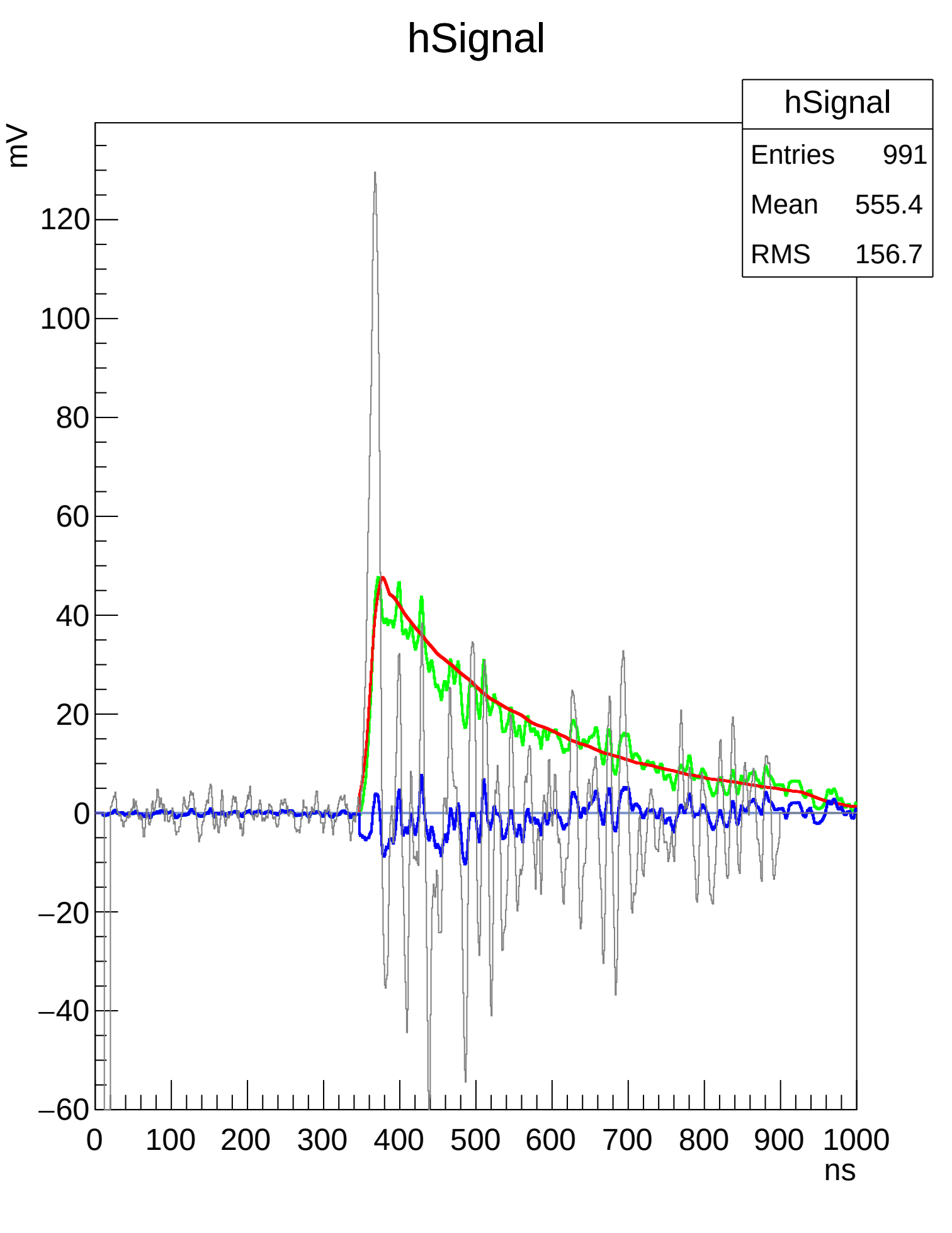
hSignal
hSignal
Entries 991
Mean 555.4
RMS 156.7
mV
120
100
80
60
40
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200
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400
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1000
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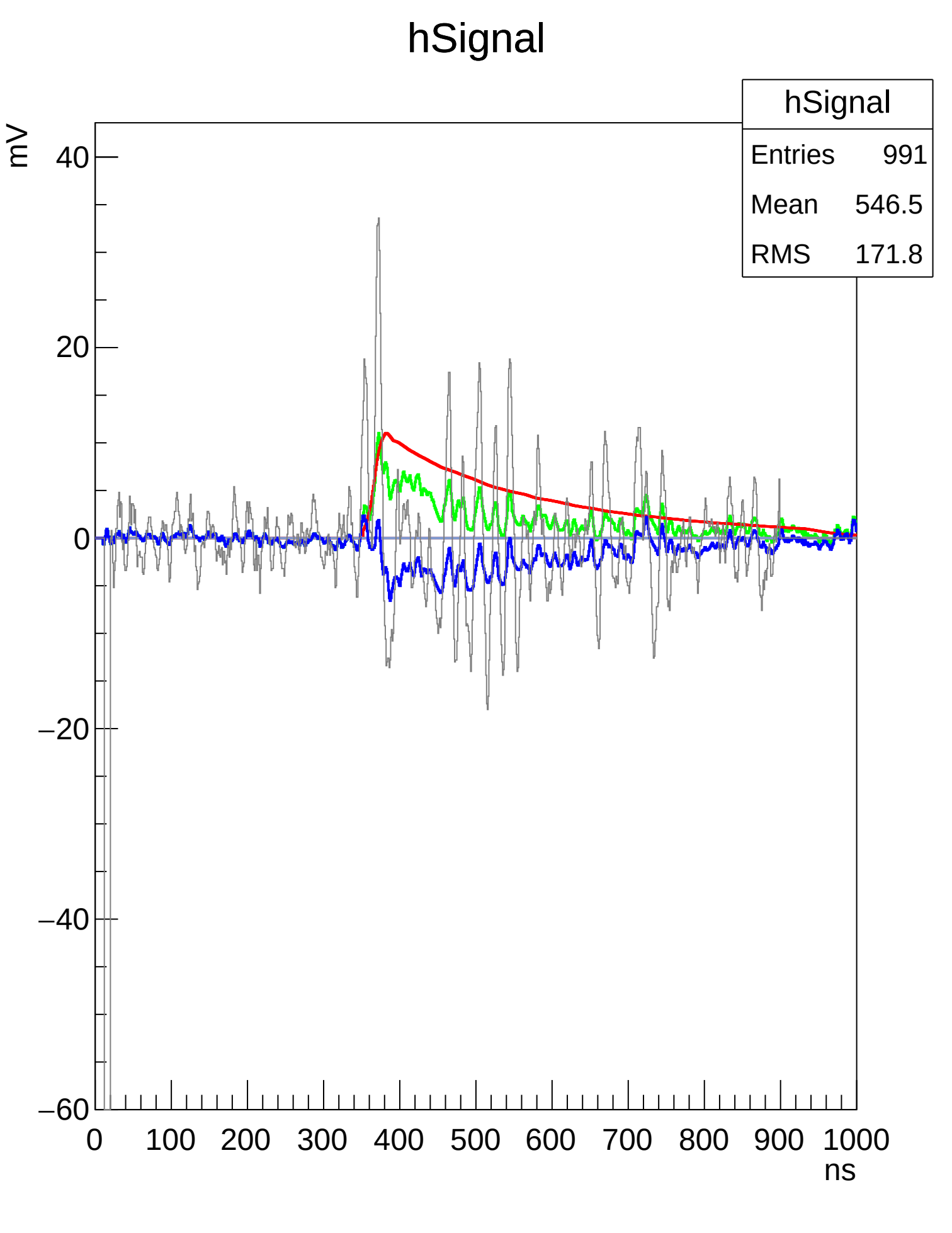
hSignal
hSignal
Entries 991
Mean 546.5
RMS 171.8
mV
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−20
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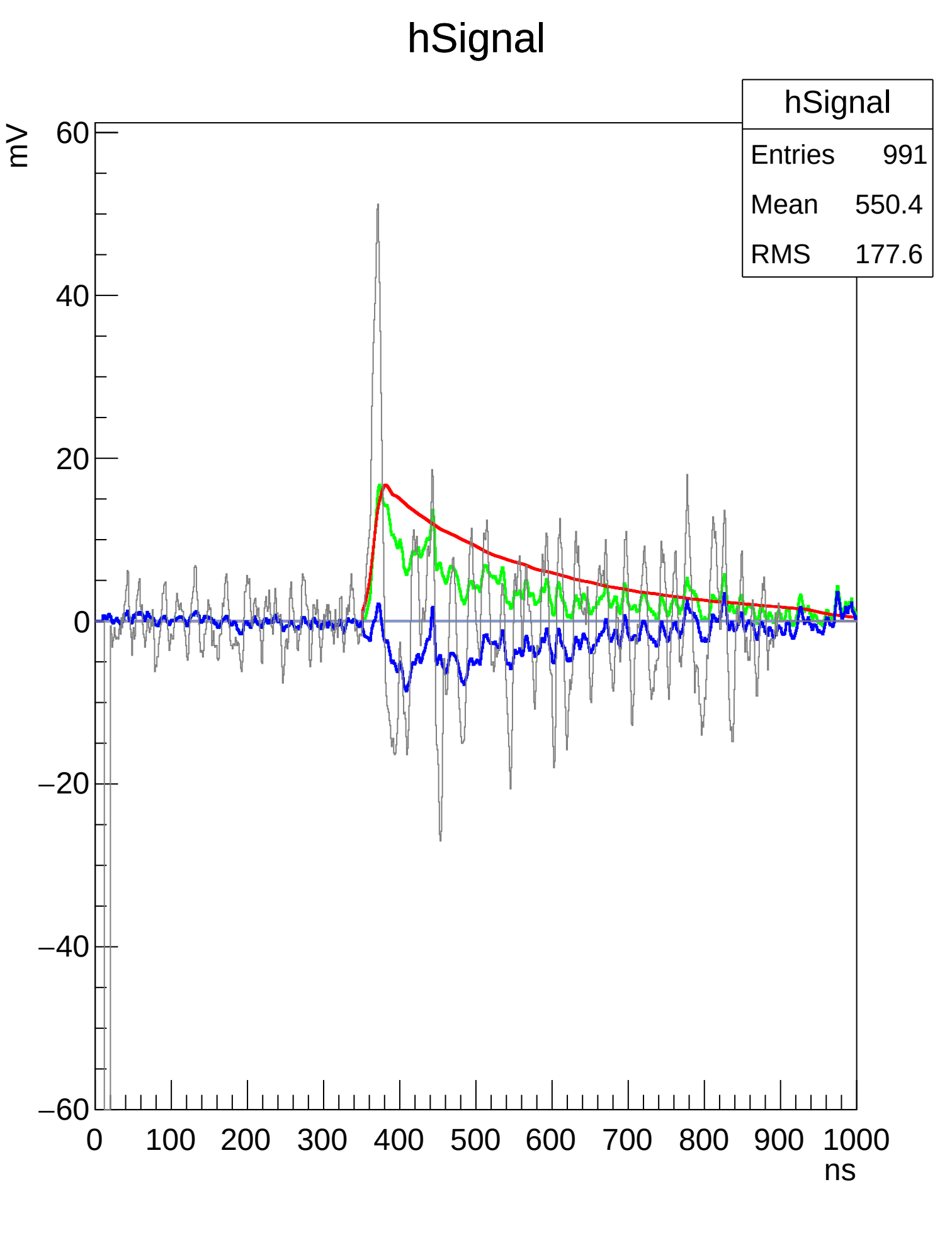
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.4
RMS 177.6
mV
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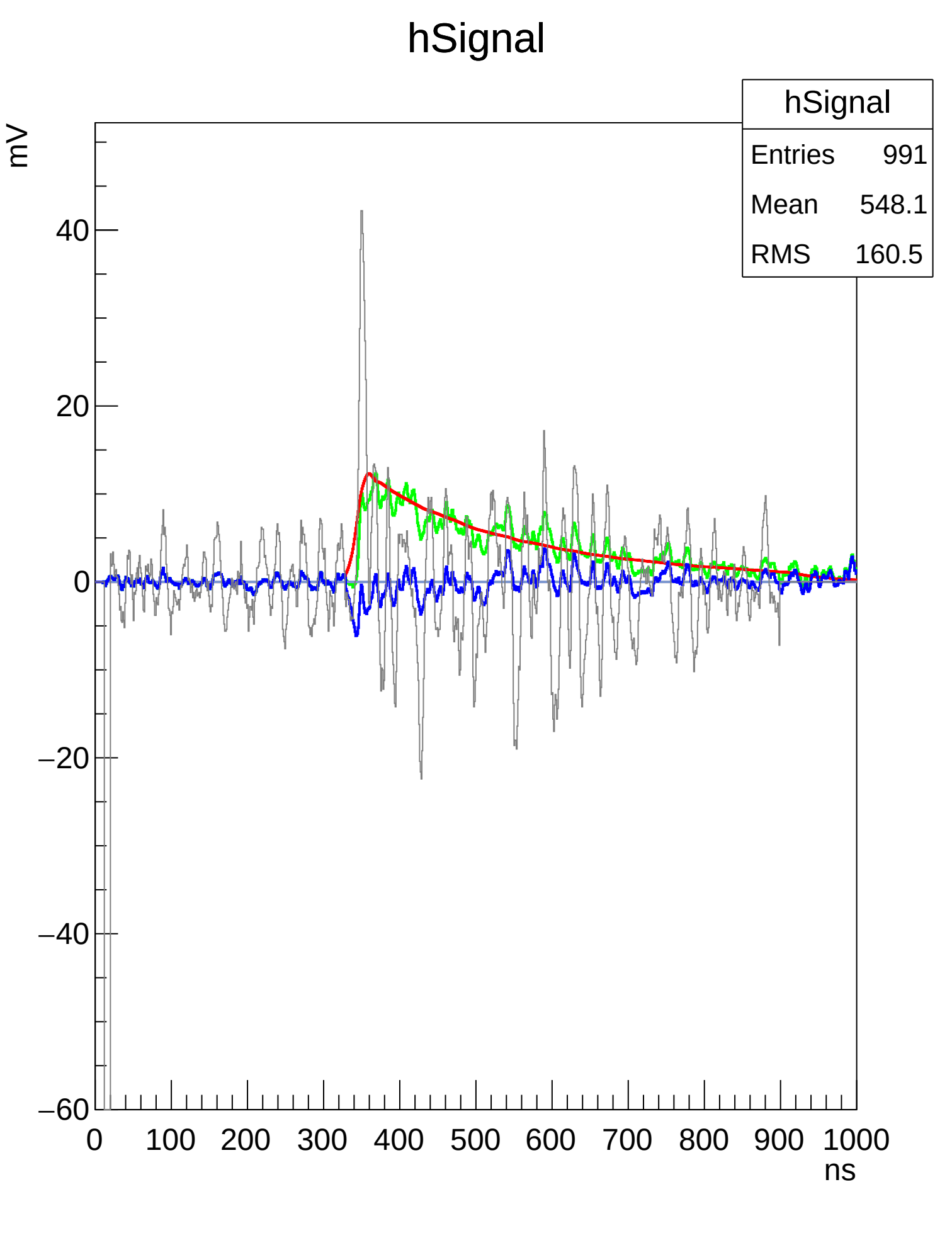
hSignal
hSignal
Entries 991
Mean 548.1
RMS 160.5
mV
40
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0
−20
−40
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0
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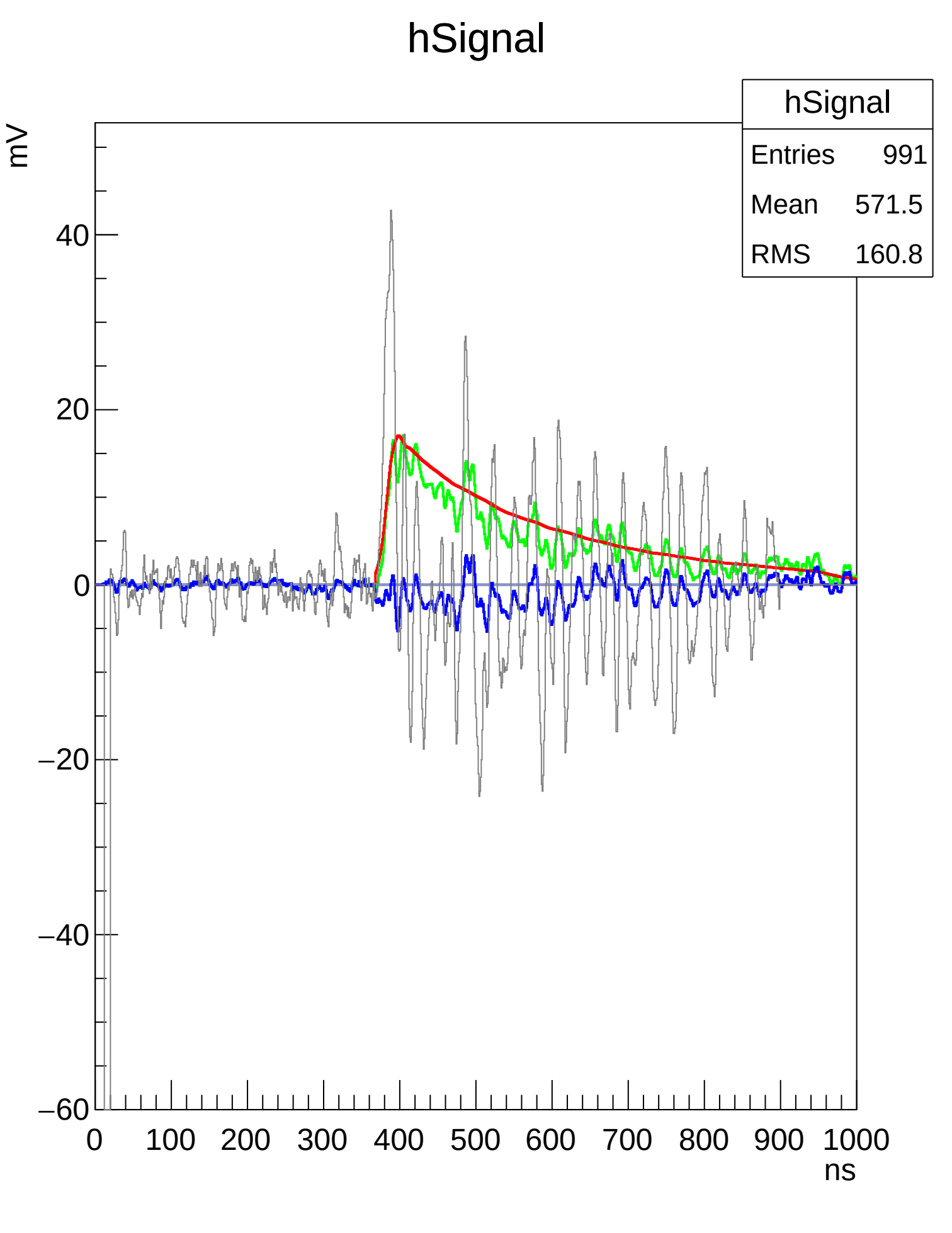
hSignal
hSignal
Entries 991
Mean 571.5
RMS 160.8
mV
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−20
−40
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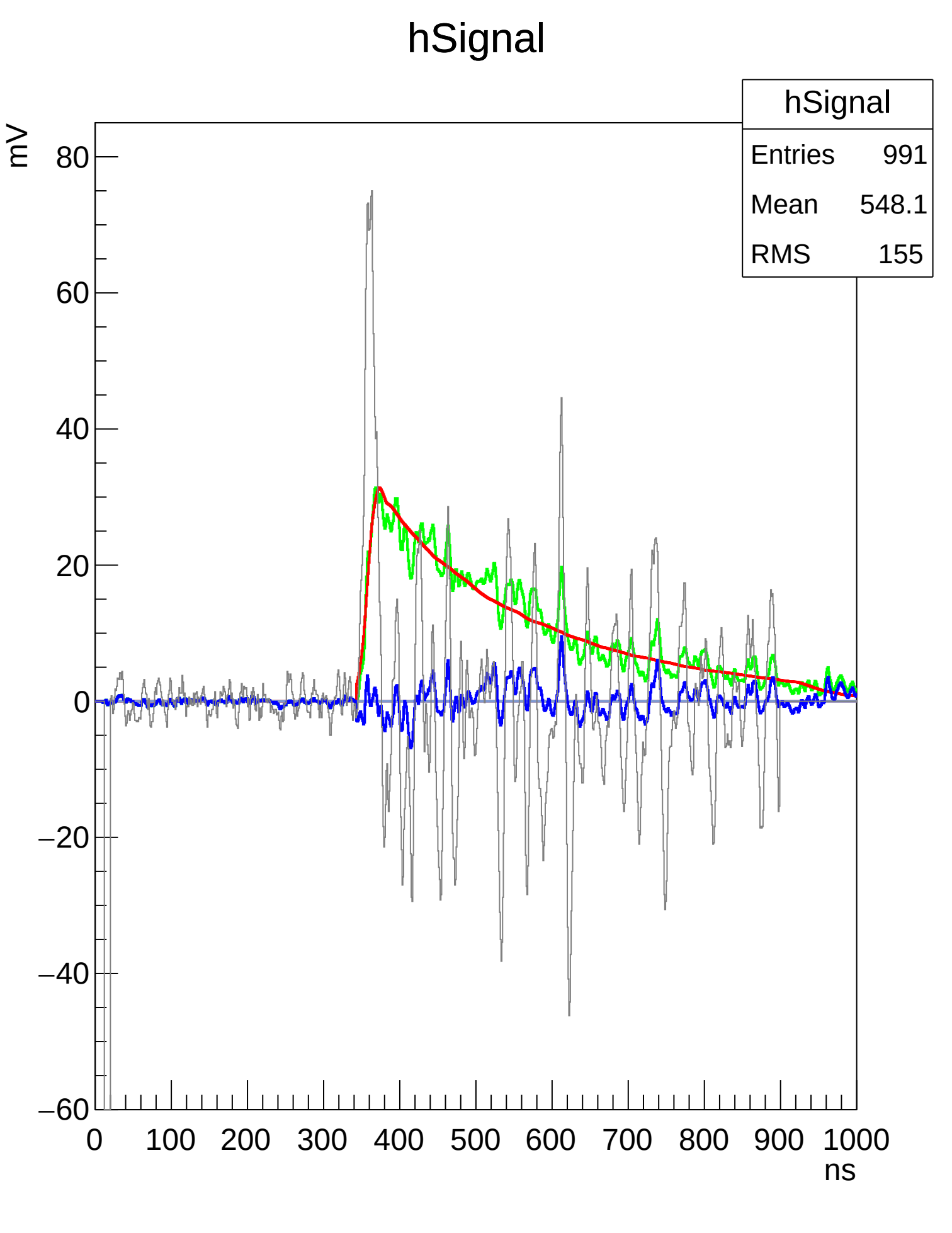
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hSignal
Entries 991
Mean 548.1
RMS 155
mV
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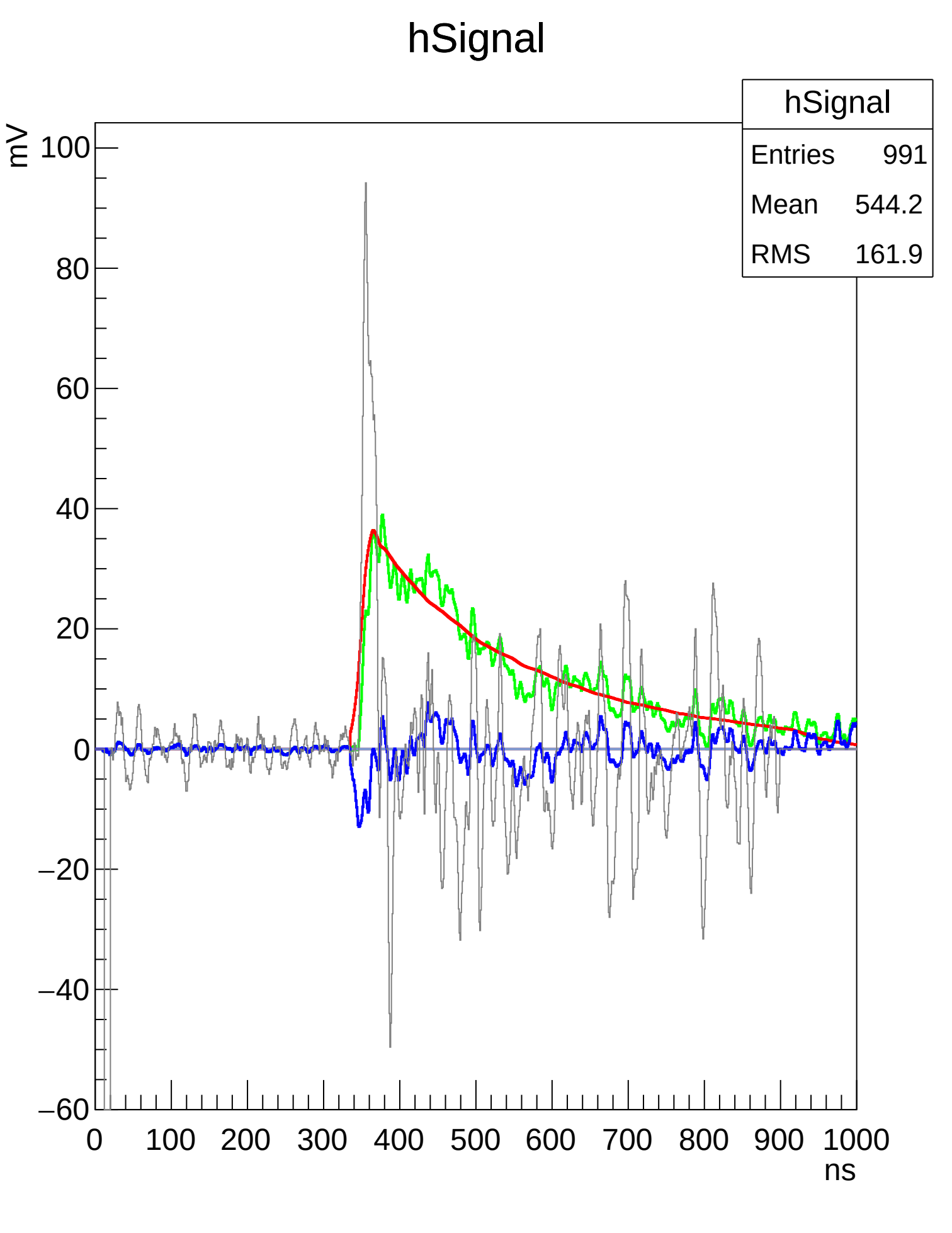
hSignal
hSignal
Entries 991
Mean 544.2
RMS 161.9
mV
100
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1000
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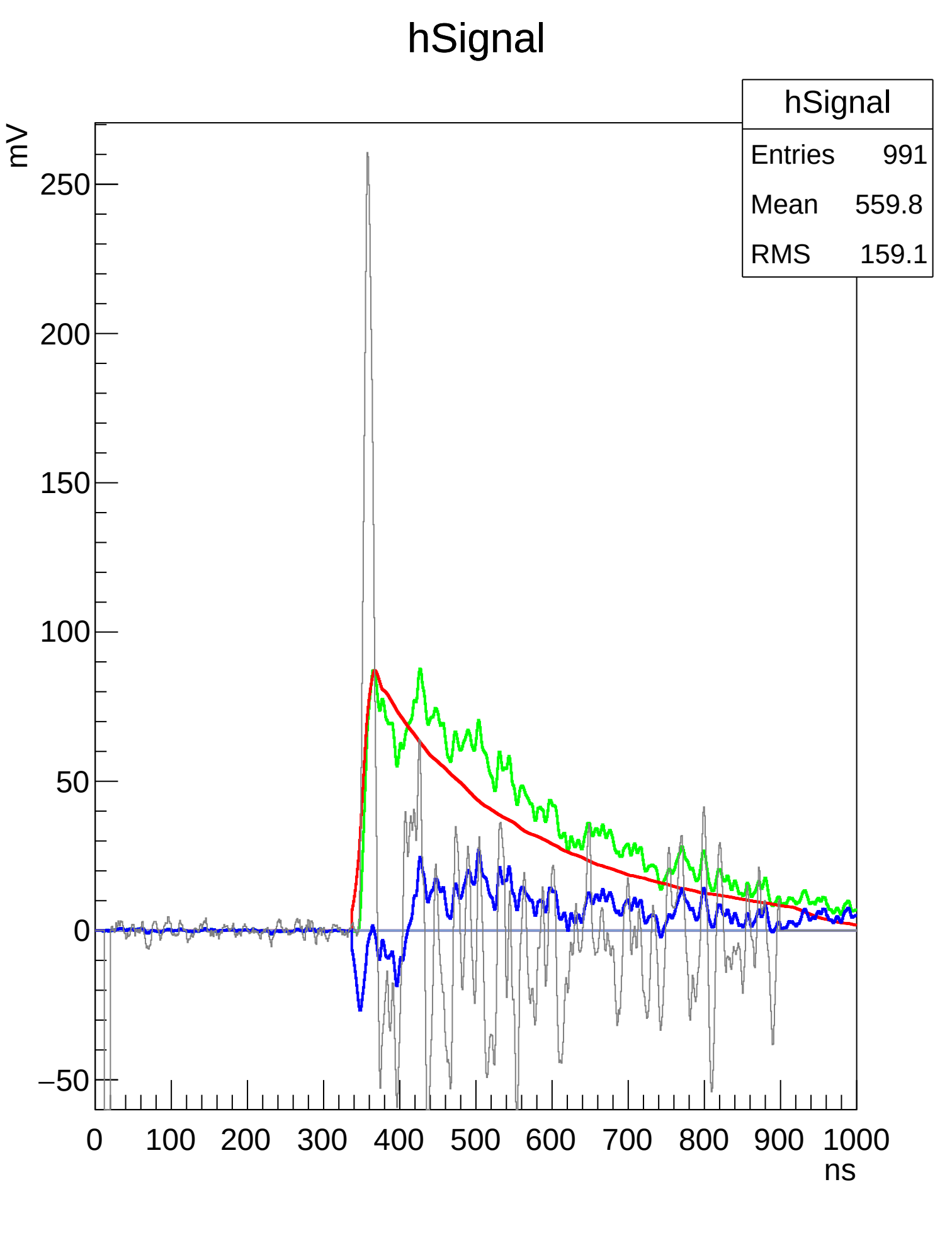
hSignal
hSignal
Entries 991
Mean 559.8
RMS 159.1
mV
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100
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0
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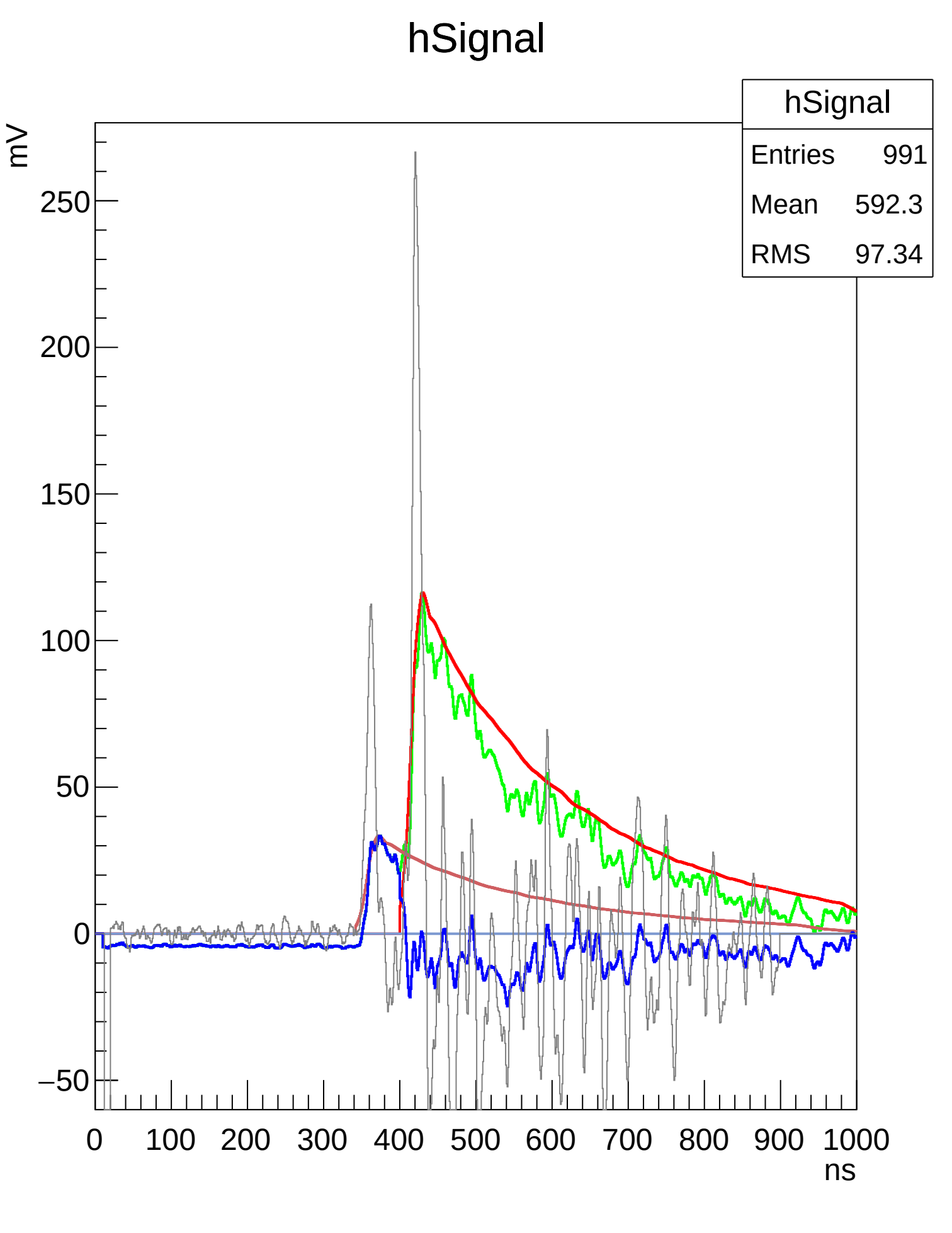
hSignal
hSignal
Entries 991
Mean 592.3
RMS 97.34
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100
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0
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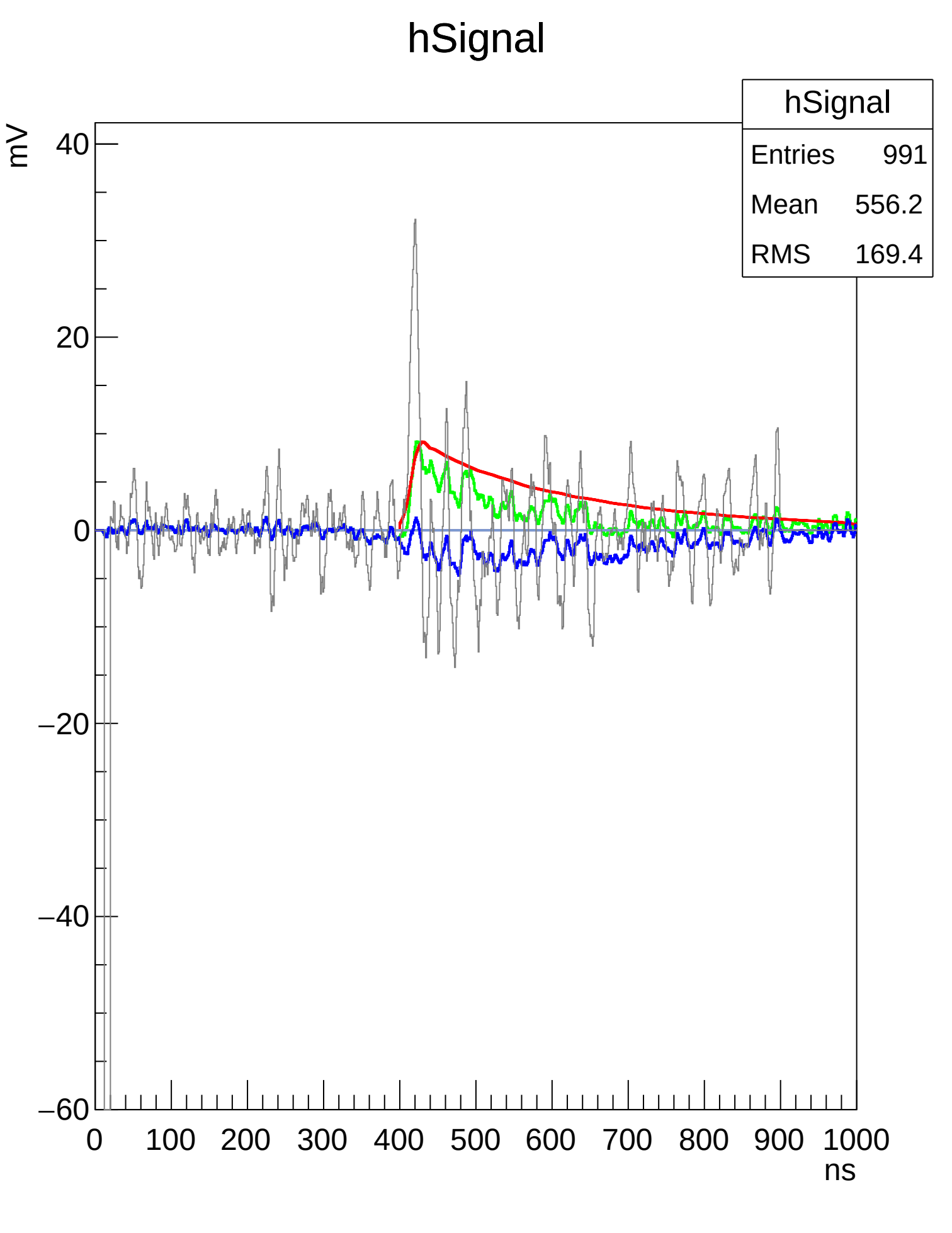
hSignal
hSignal
Entries 991
Mean 556.2
RMS 169.4
mV
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−20
−40
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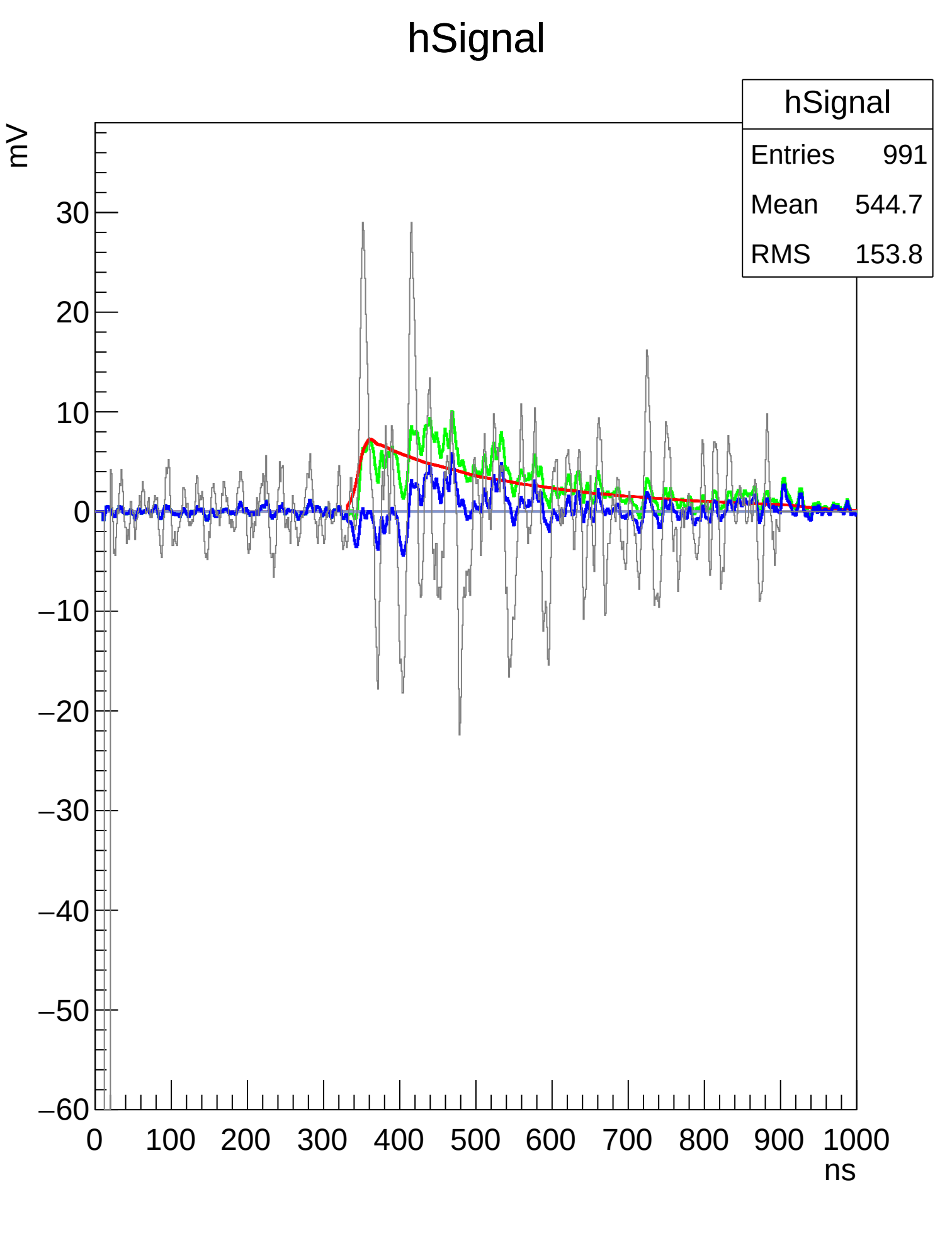
hSignal
hSignal
Entries 991
Mean 544.7
RMS 153.8
mV
30
20
10
0
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0
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200
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400
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1000
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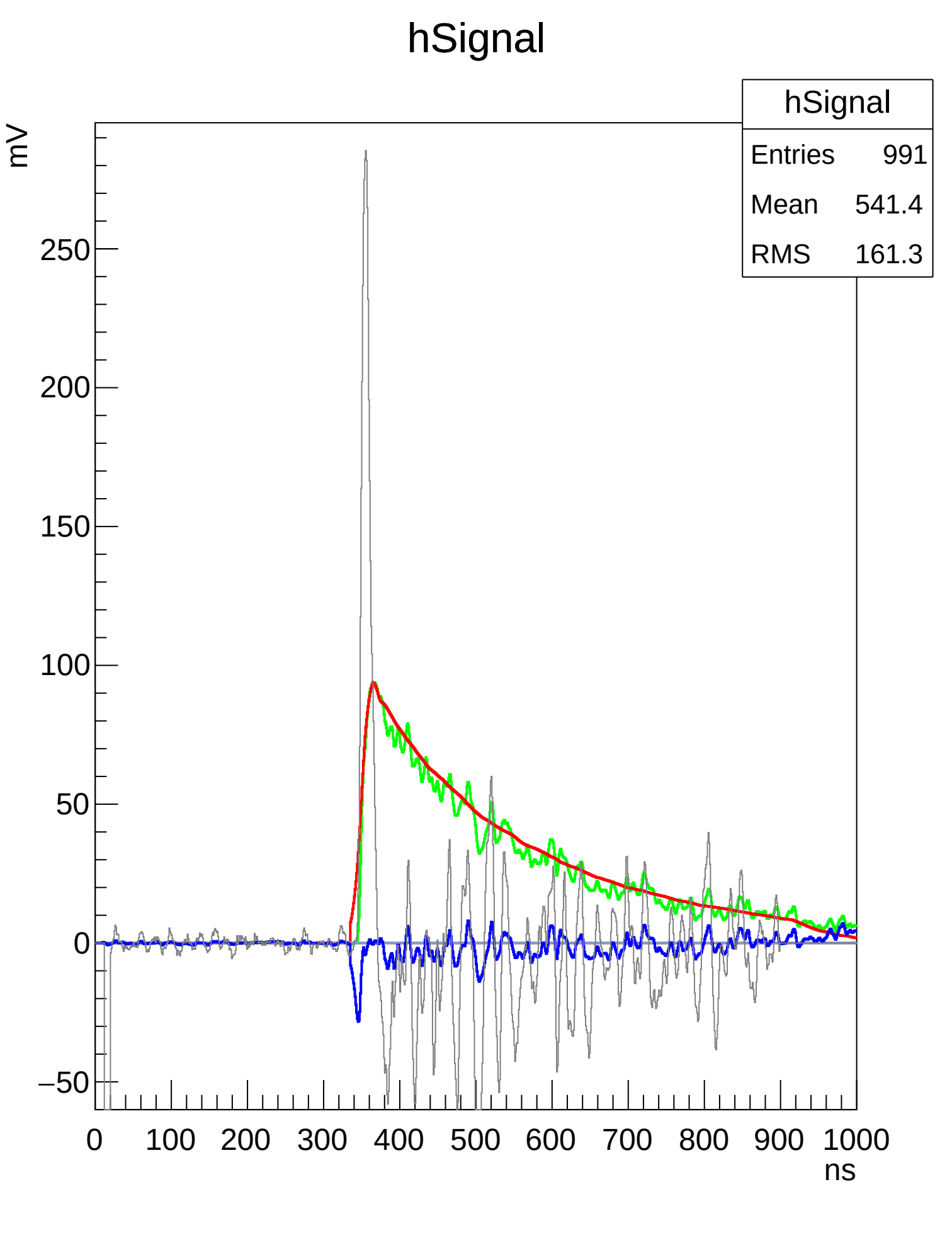
hSignal
hSignal
Entries 991
Mean 541.4
RMS 161.3
mV
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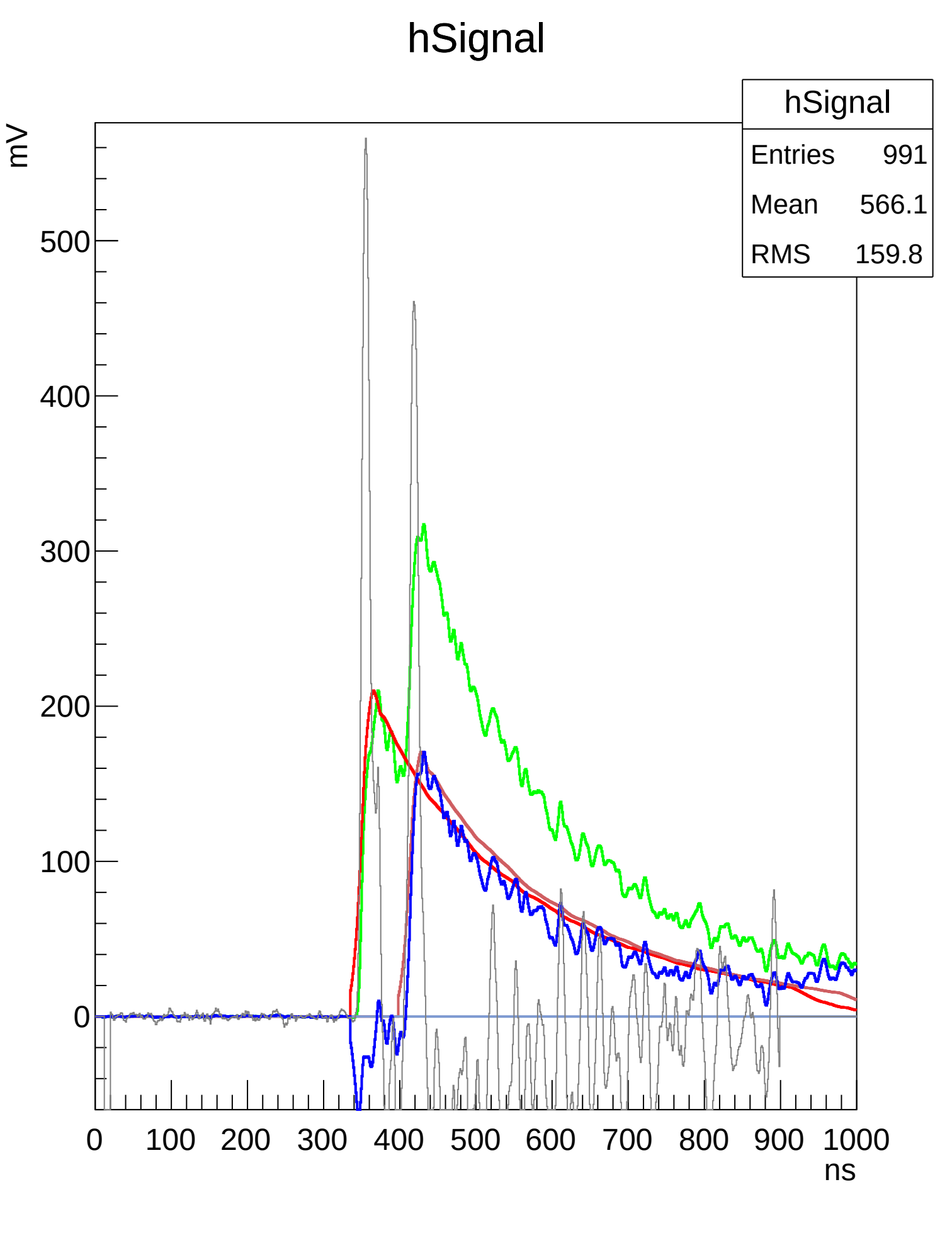
hSignal
hSignal
Entries 991
Mean 566.1
RMS 159.8
mV
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300
200
100
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400
500
600
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800
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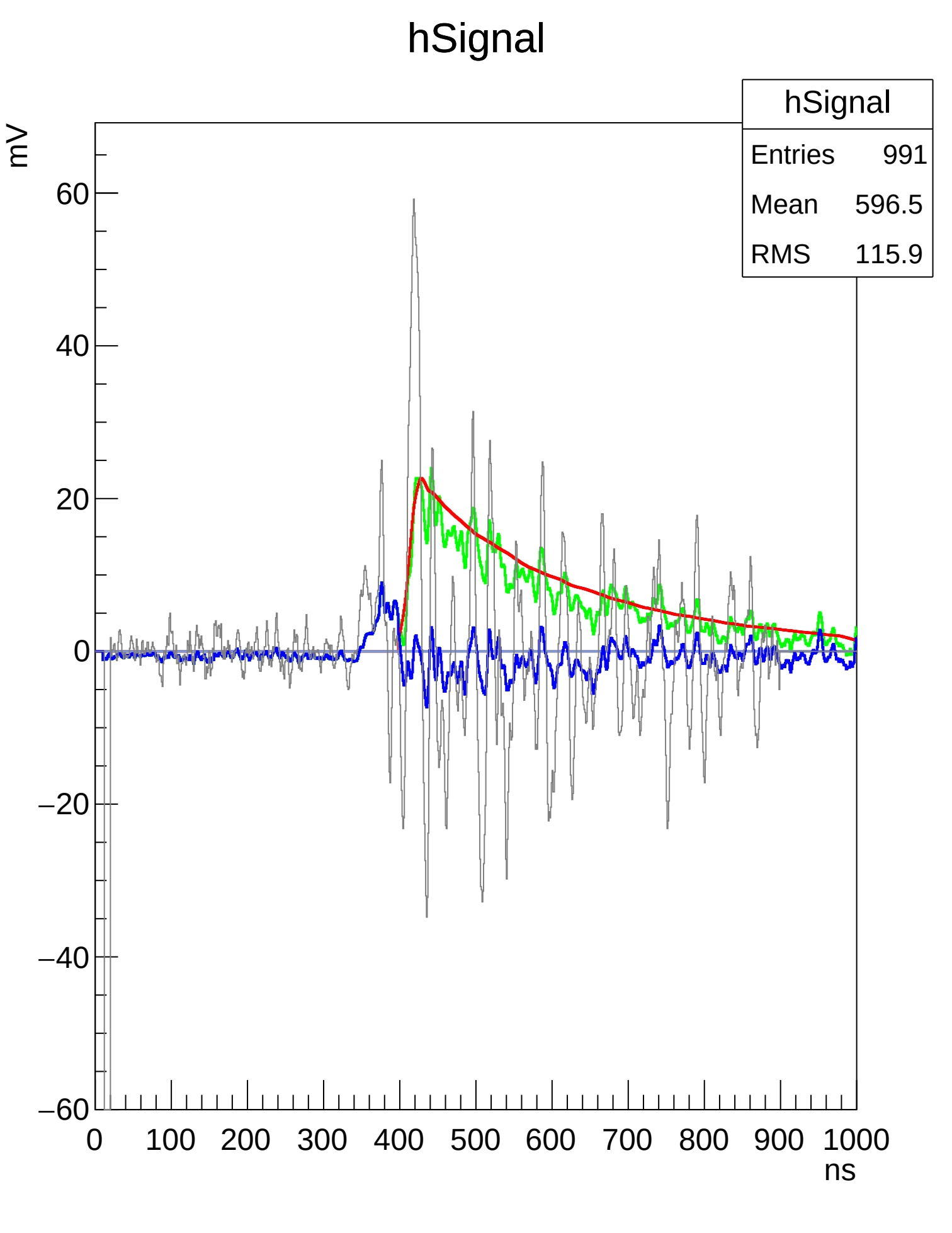
1000
ns


hSignal
hSignal
Entries 991
Mean 596.5
RMS 115.9
mV
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−20
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0
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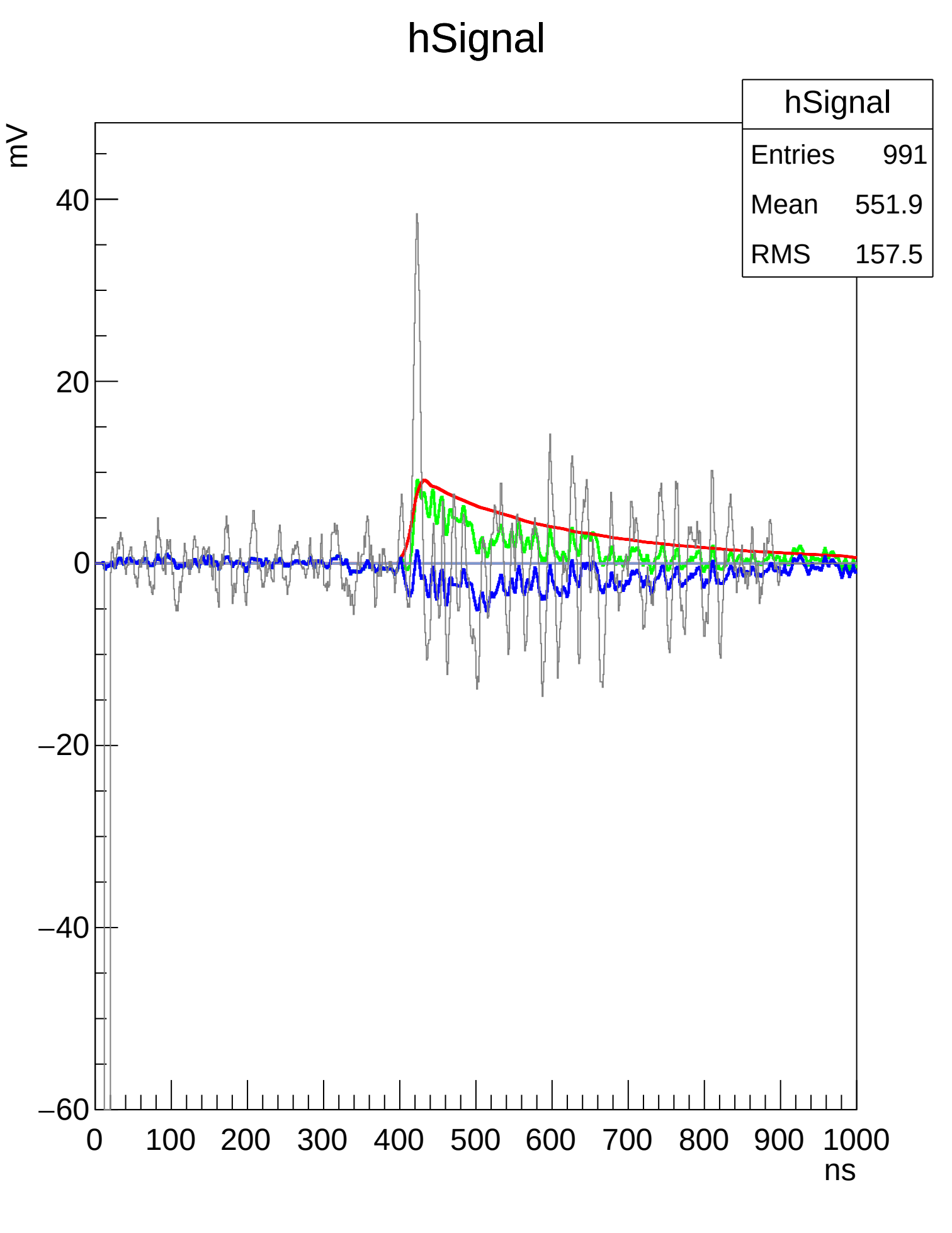
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.9
RMS 157.5
mV
40
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−20
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400
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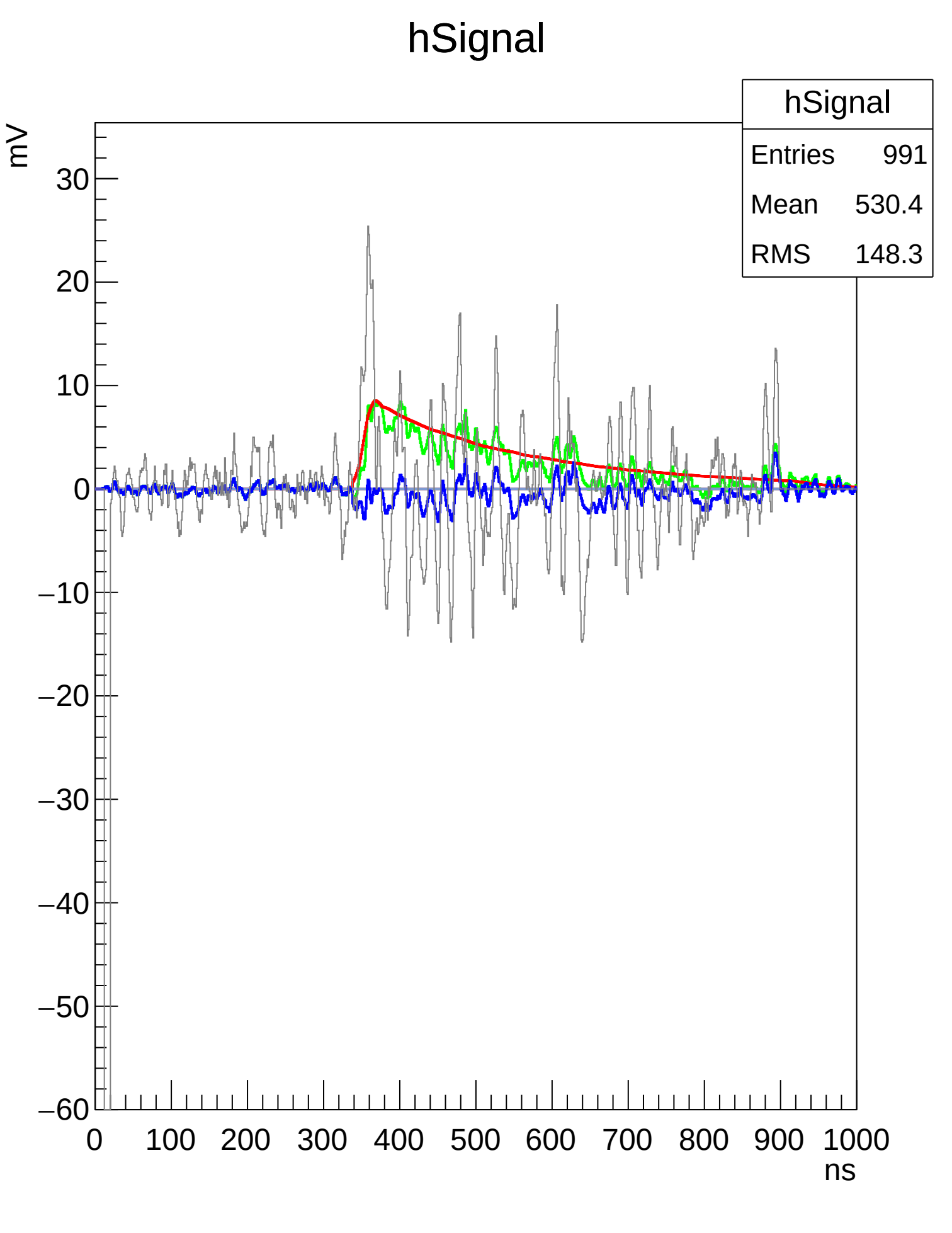
hSignal
hSignal
Entries 991
Mean 530.4
RMS 148.3
mV
30
20
10
0
−10
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0
100
200
300
400
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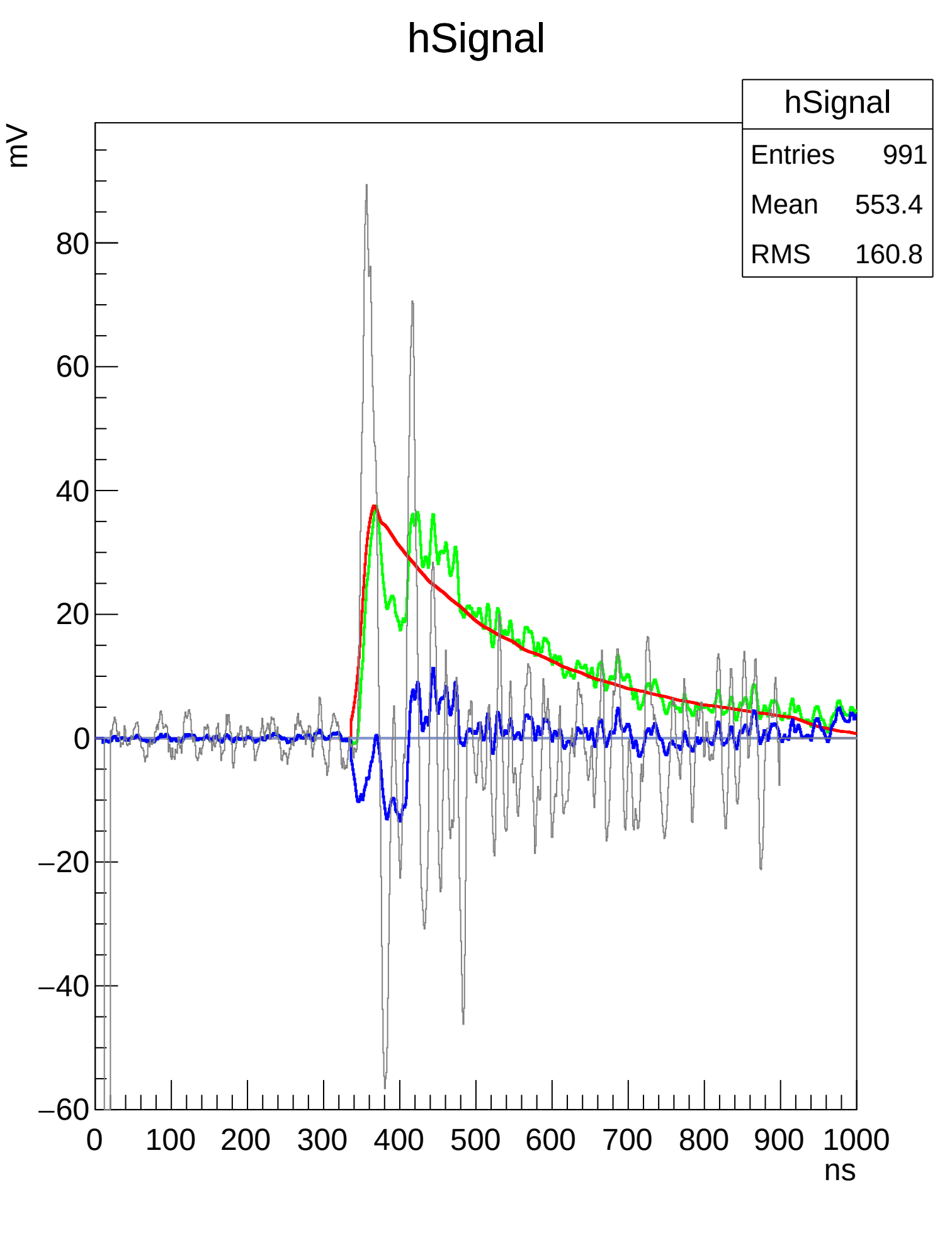
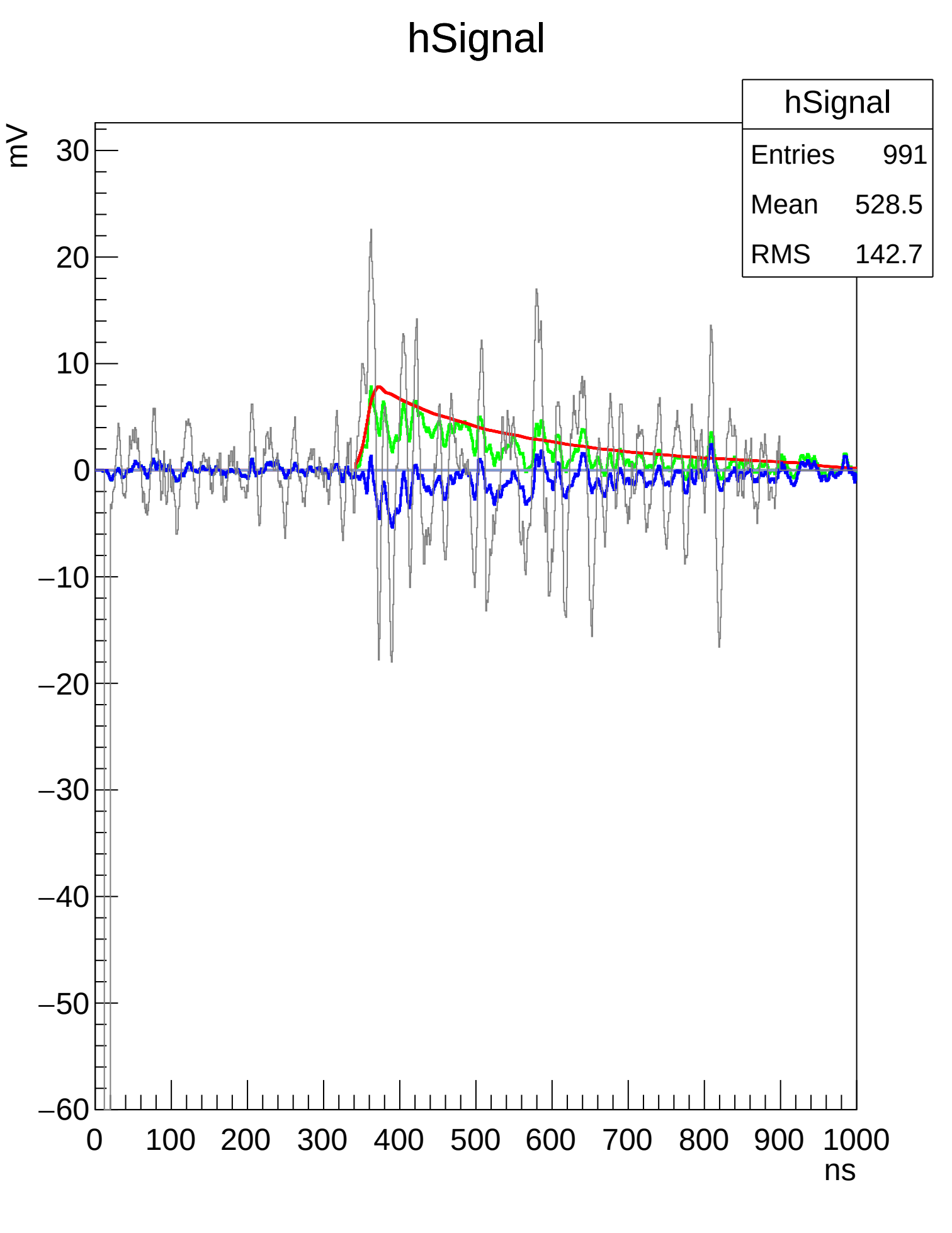
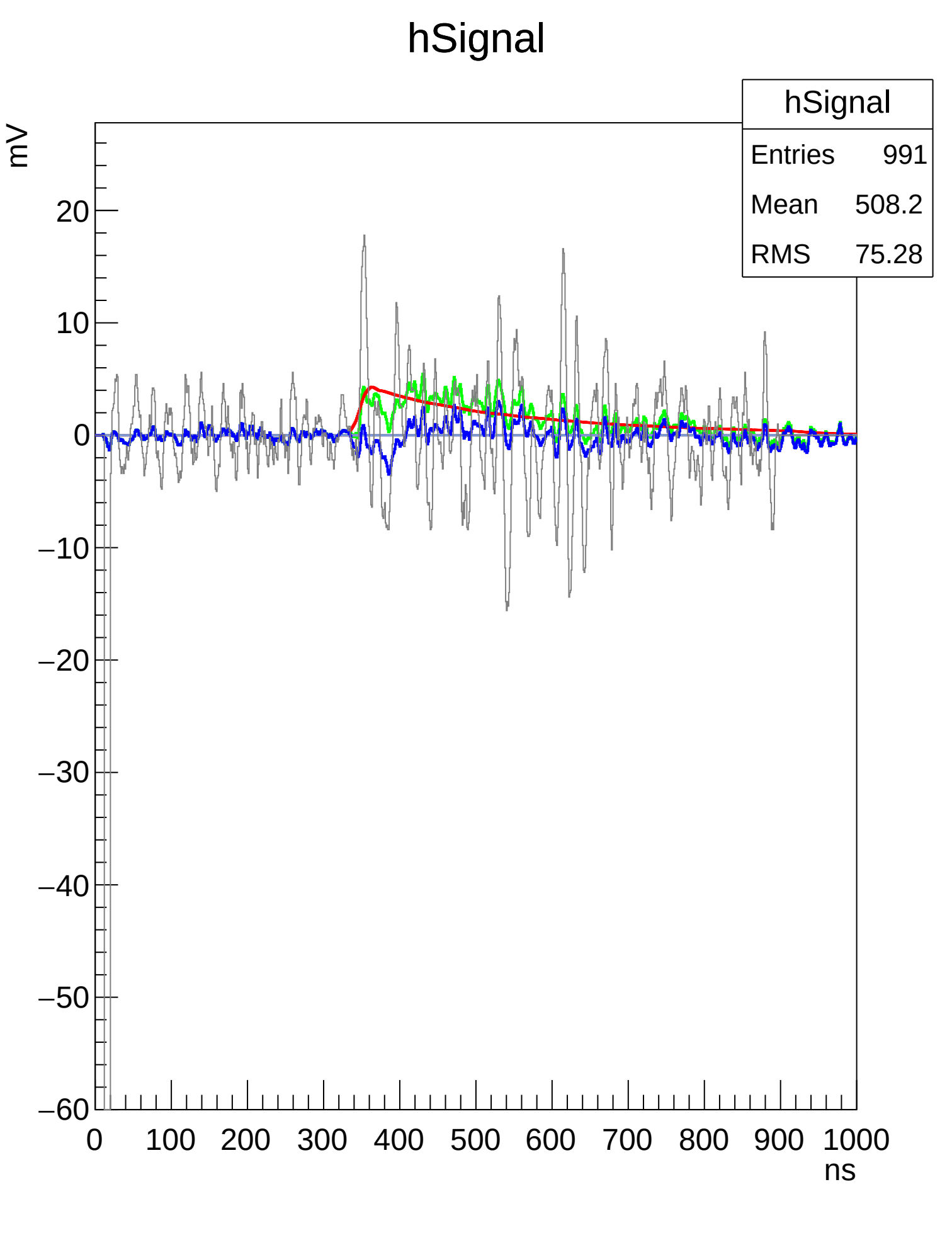
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.4
RMS 160.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.5
RMS 142.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.2
RMS 75.28
mV
20
10
0
−10
−20
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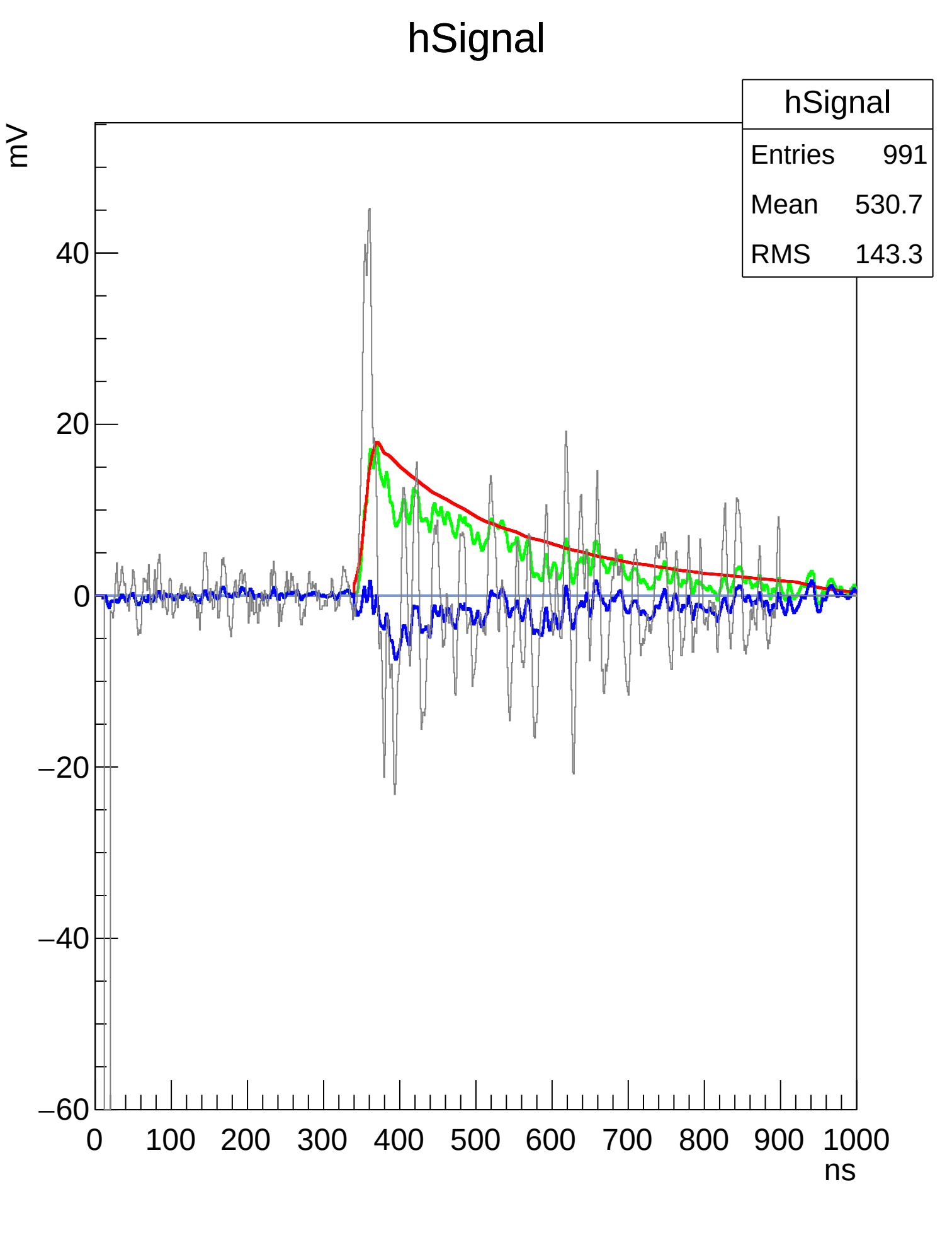
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.7
RMS 143.3
mV
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−20
−40
−60
0
100
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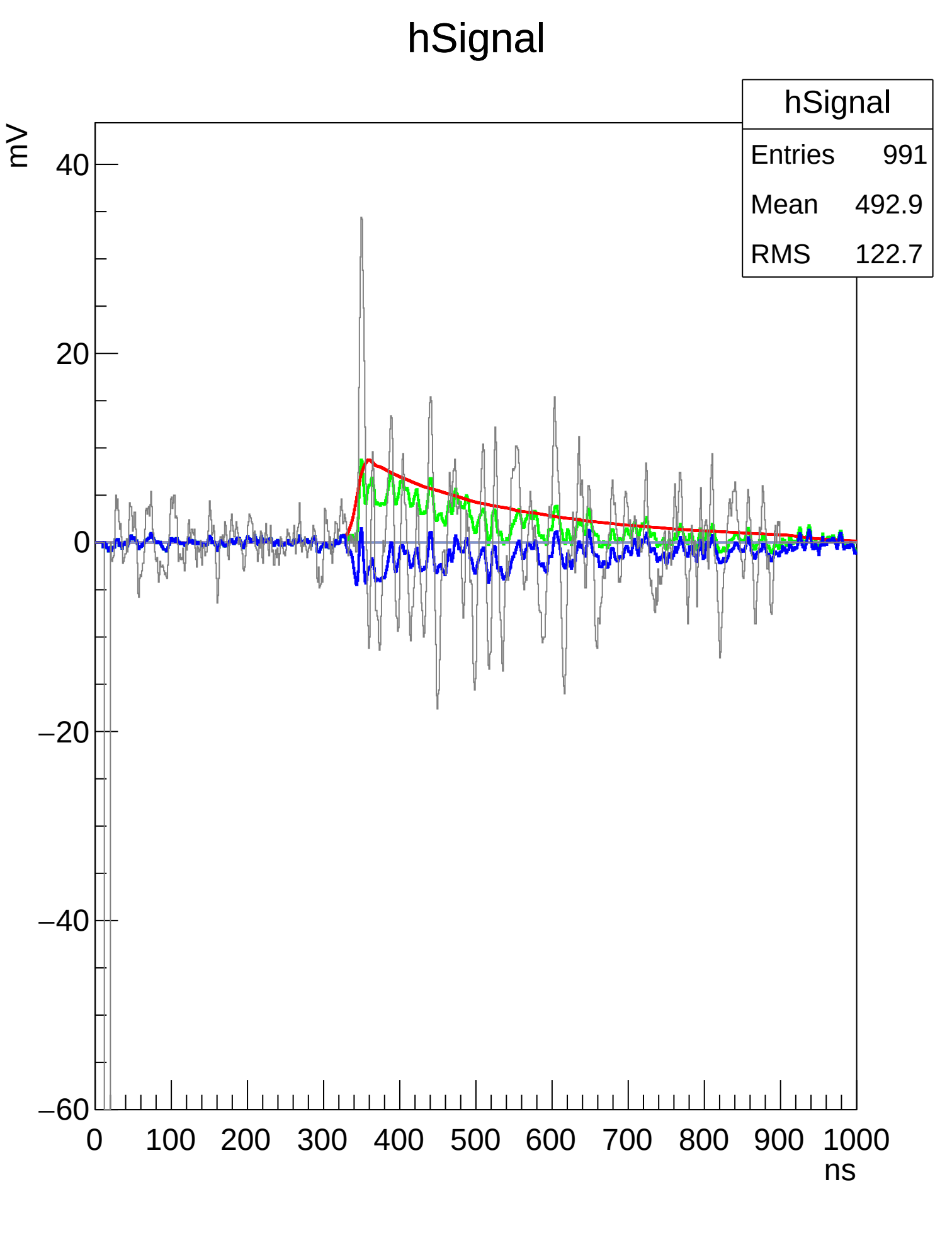
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.9
RMS 122.7
mV
40
20
0
−20
−40
−60
0
100
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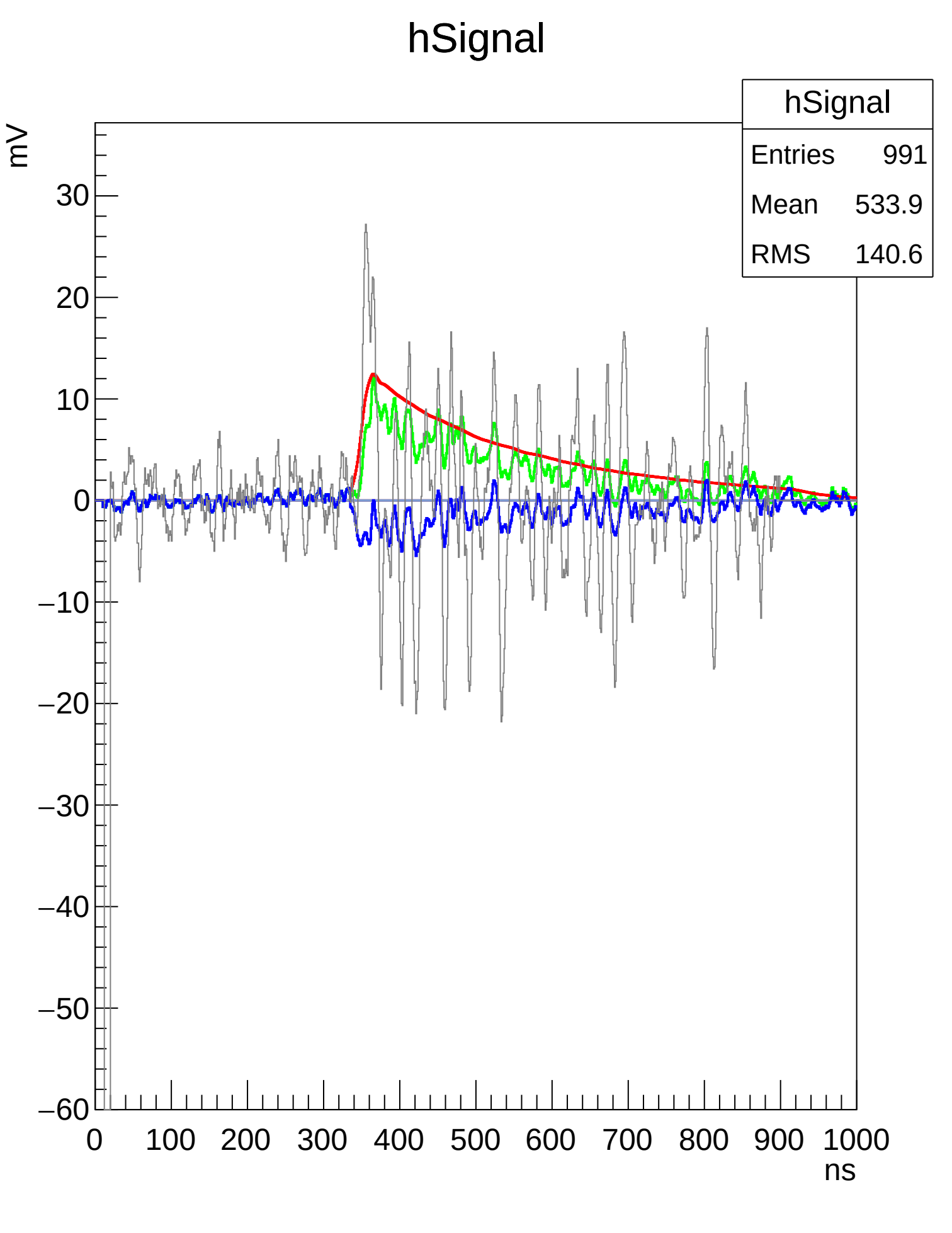
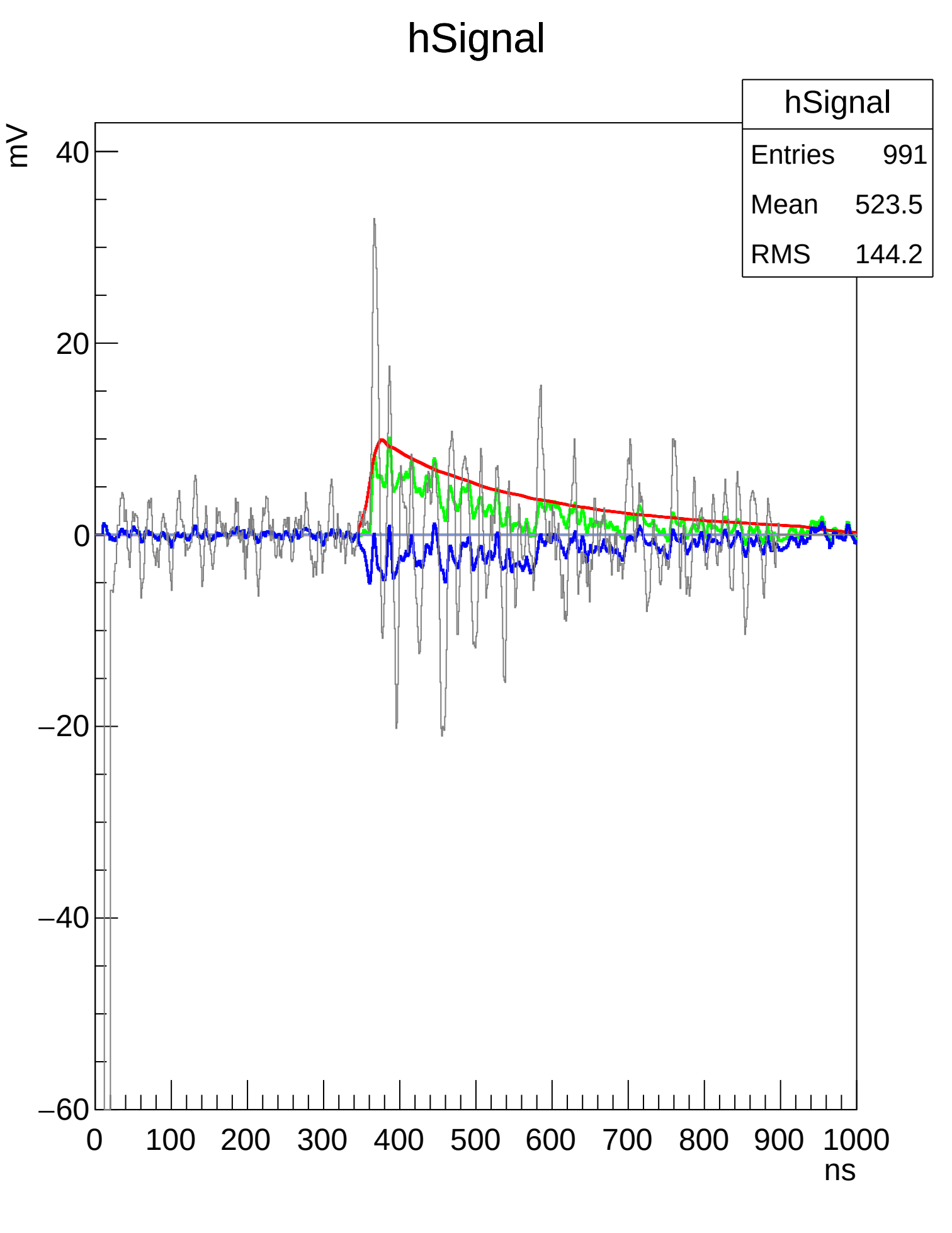
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.9
RMS 140.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.5
RMS 144.2
mV
40
20
0
−20
−40
−60
0
100
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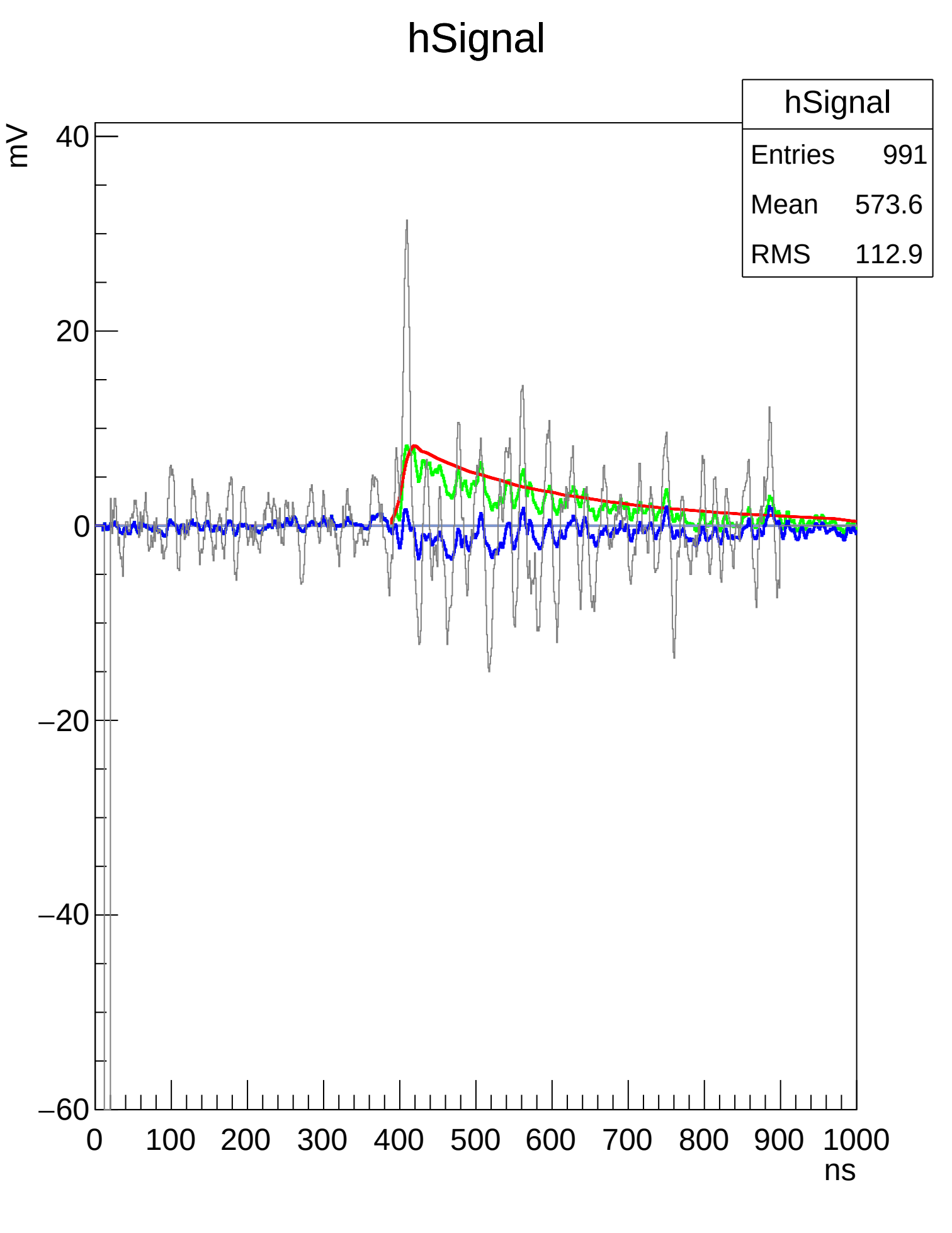
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.6
RMS 112.9
mV
40
20
0
−20
−40
−60
0
100
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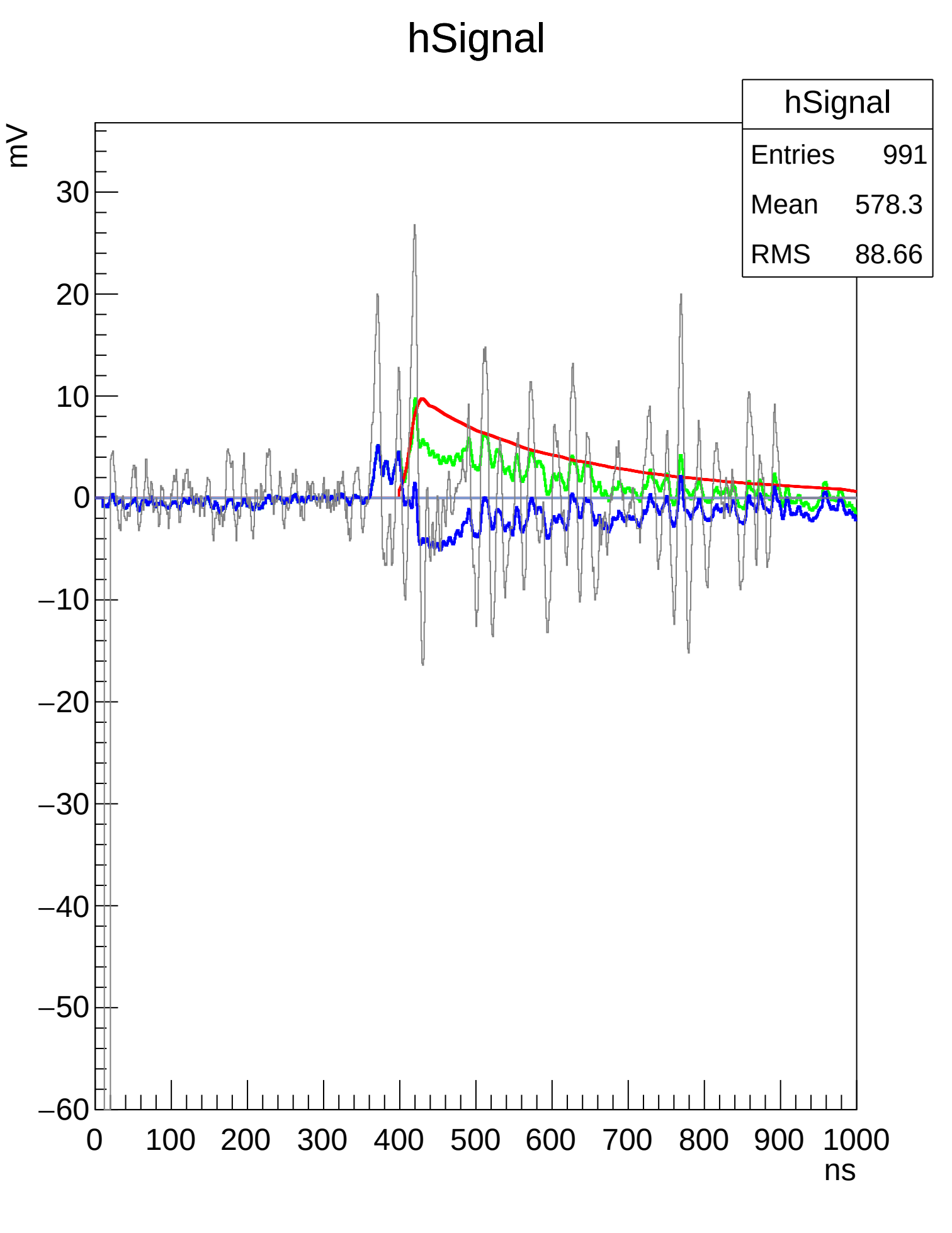
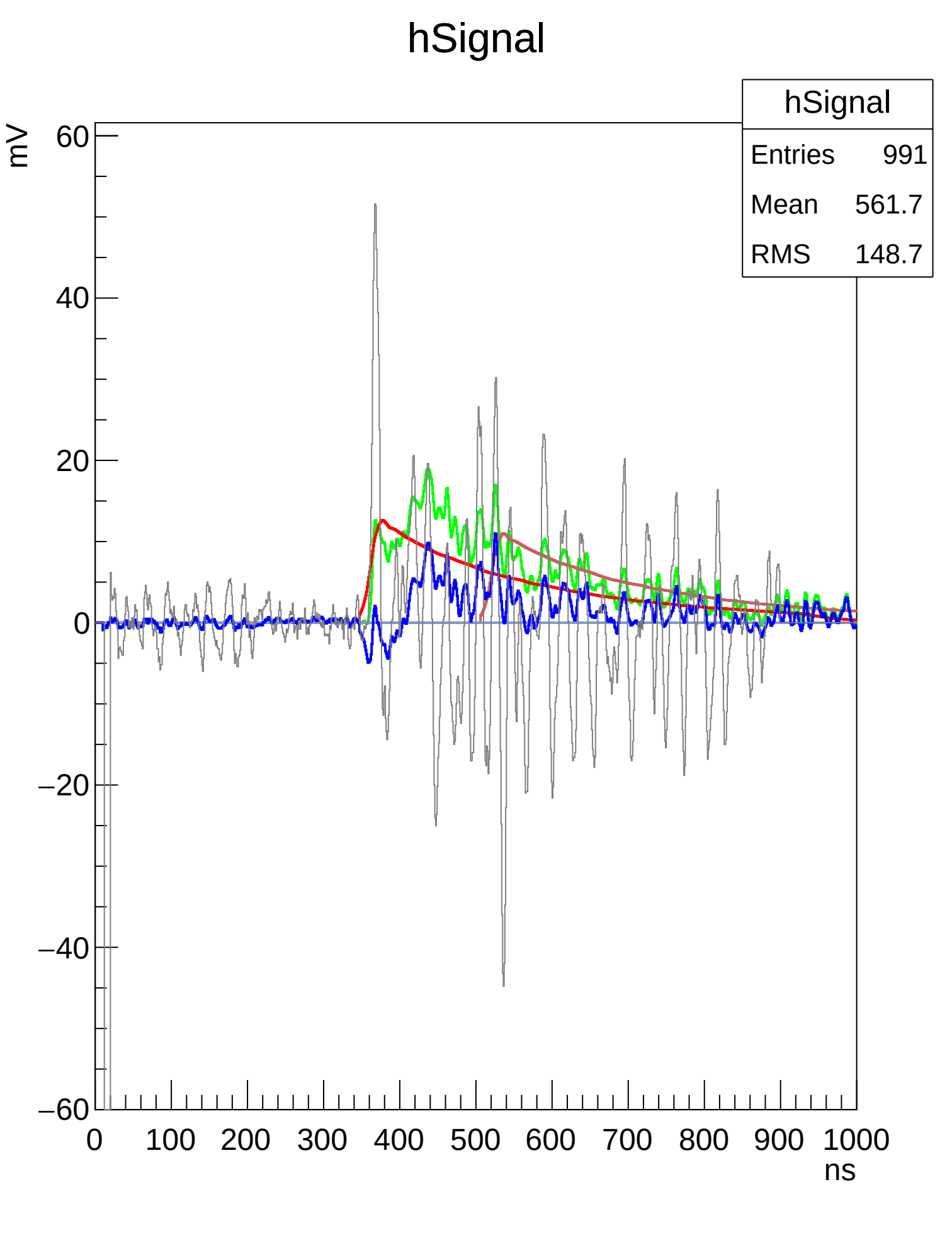
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 88.66
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.7
RMS 148.7
mV
60
40
20
0
−20
−40
−60
0
100
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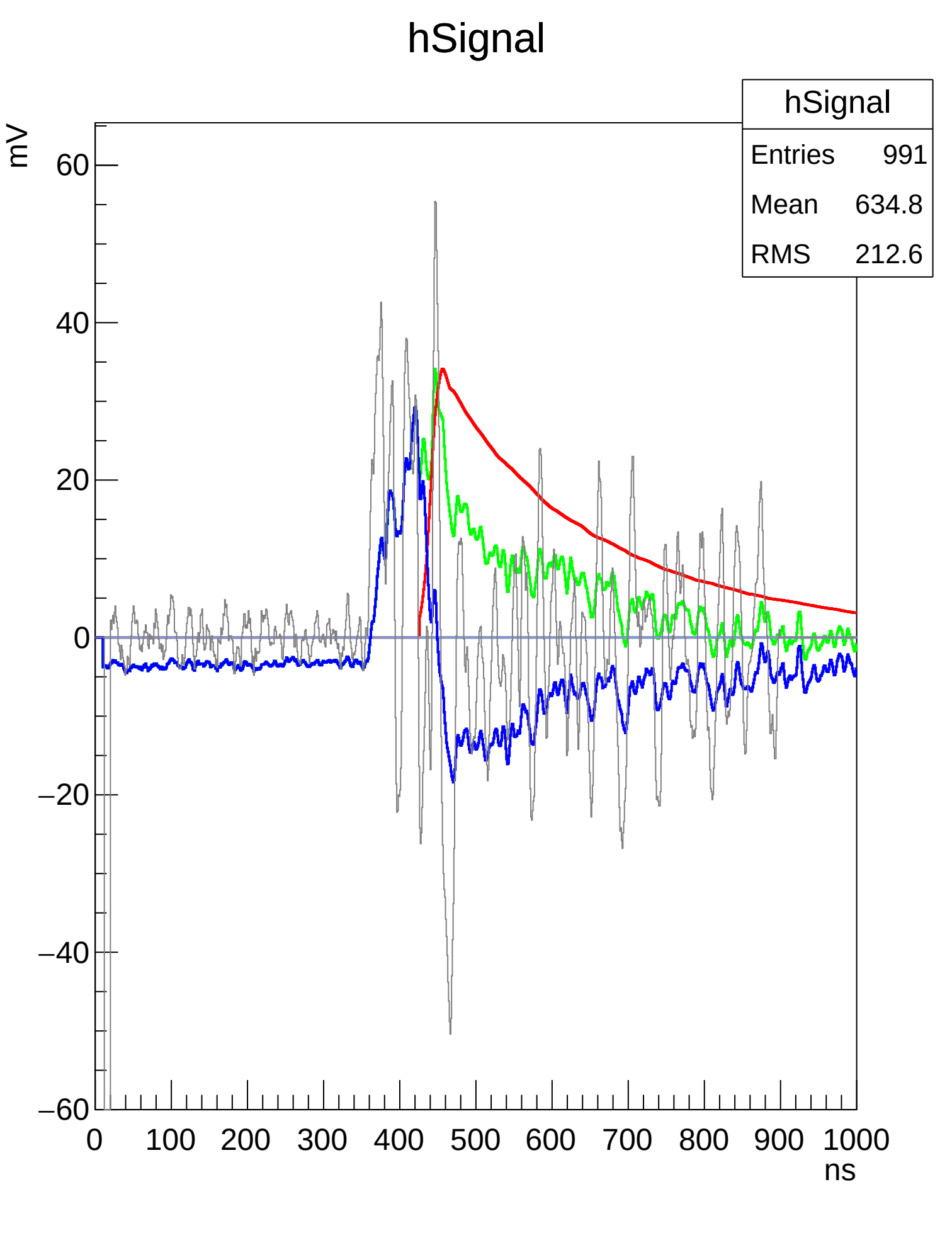
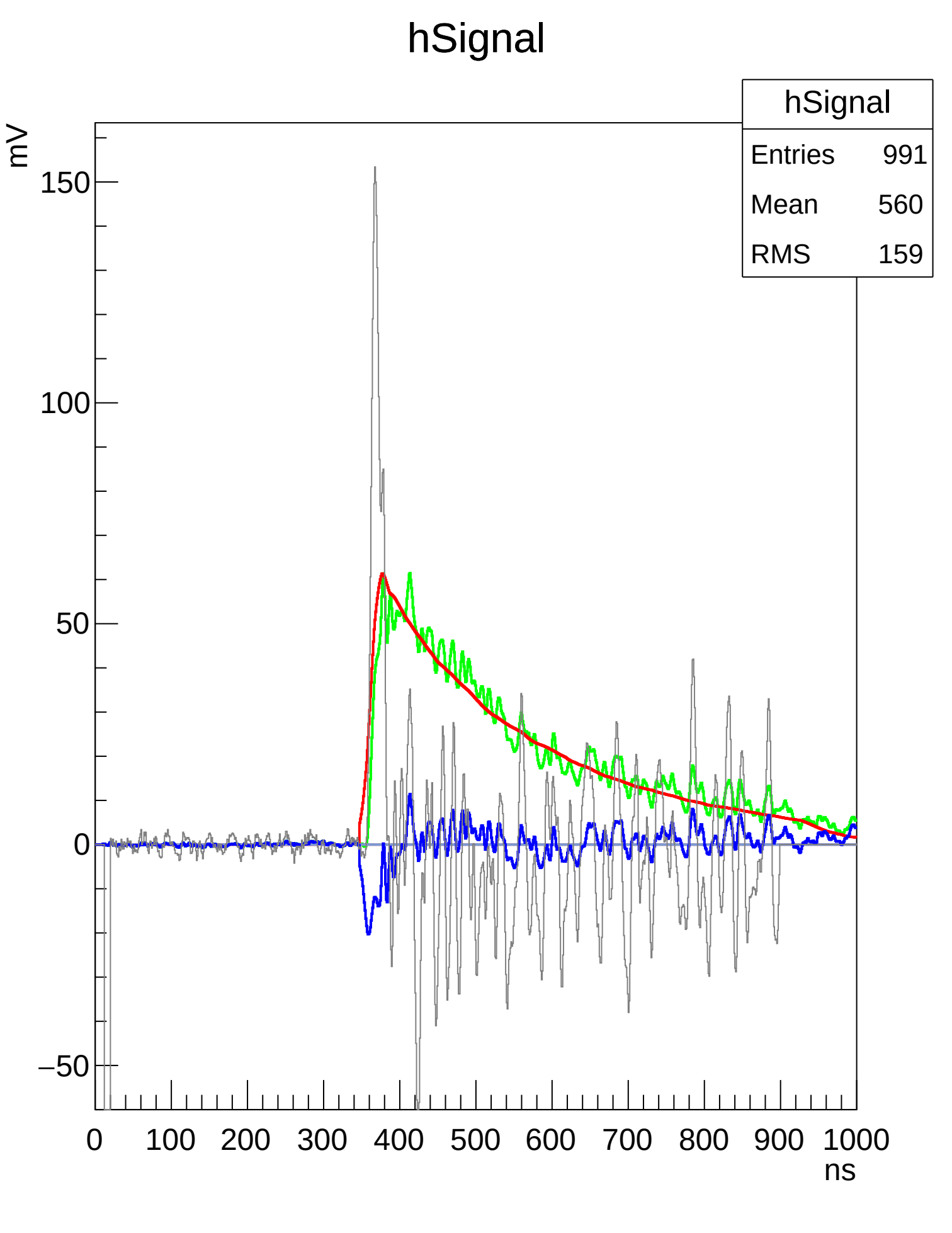
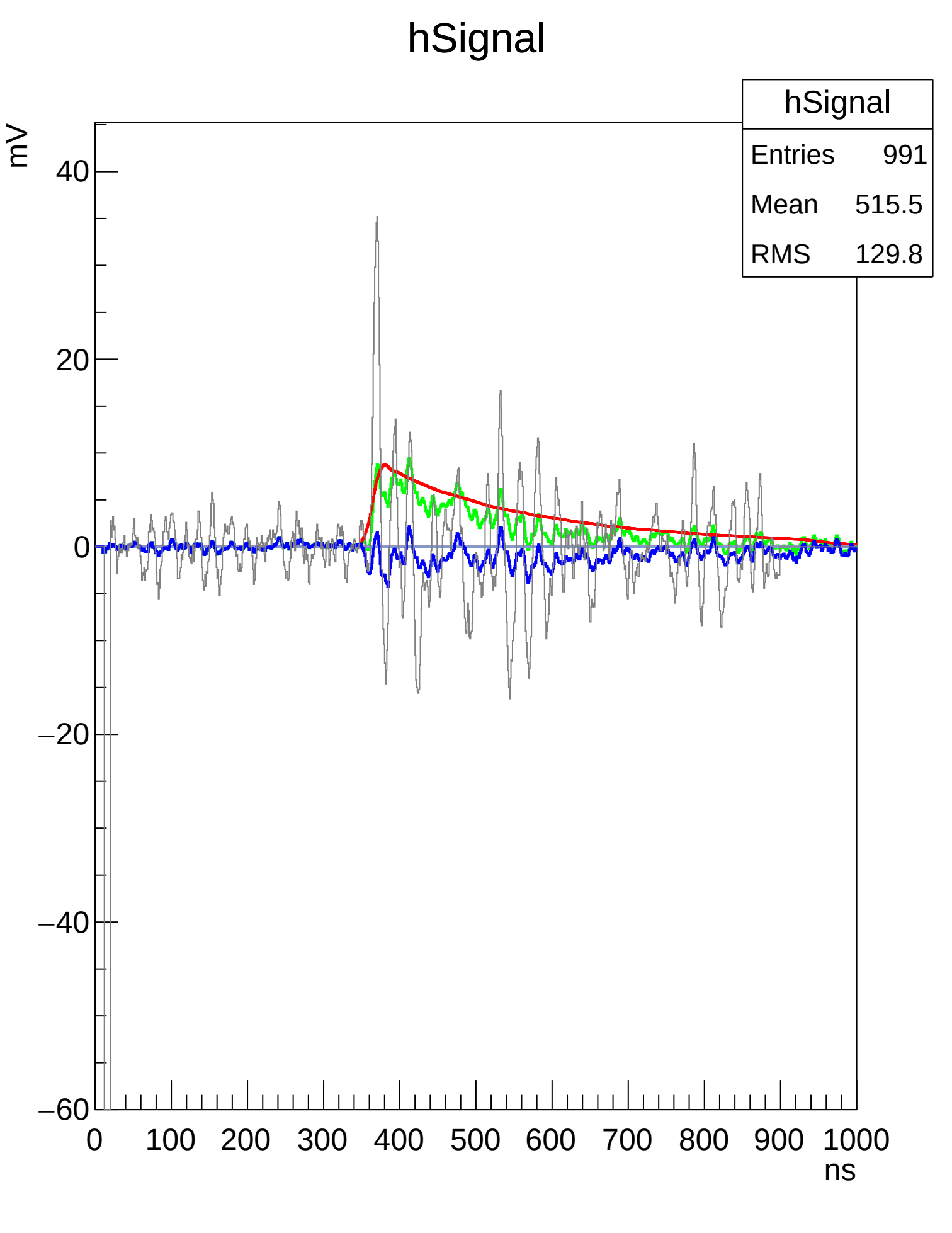
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 634.8
RMS 212.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560
RMS 159
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.5
RMS 129.8
mV
40
20
0
−20
−40
−60
0
100
200
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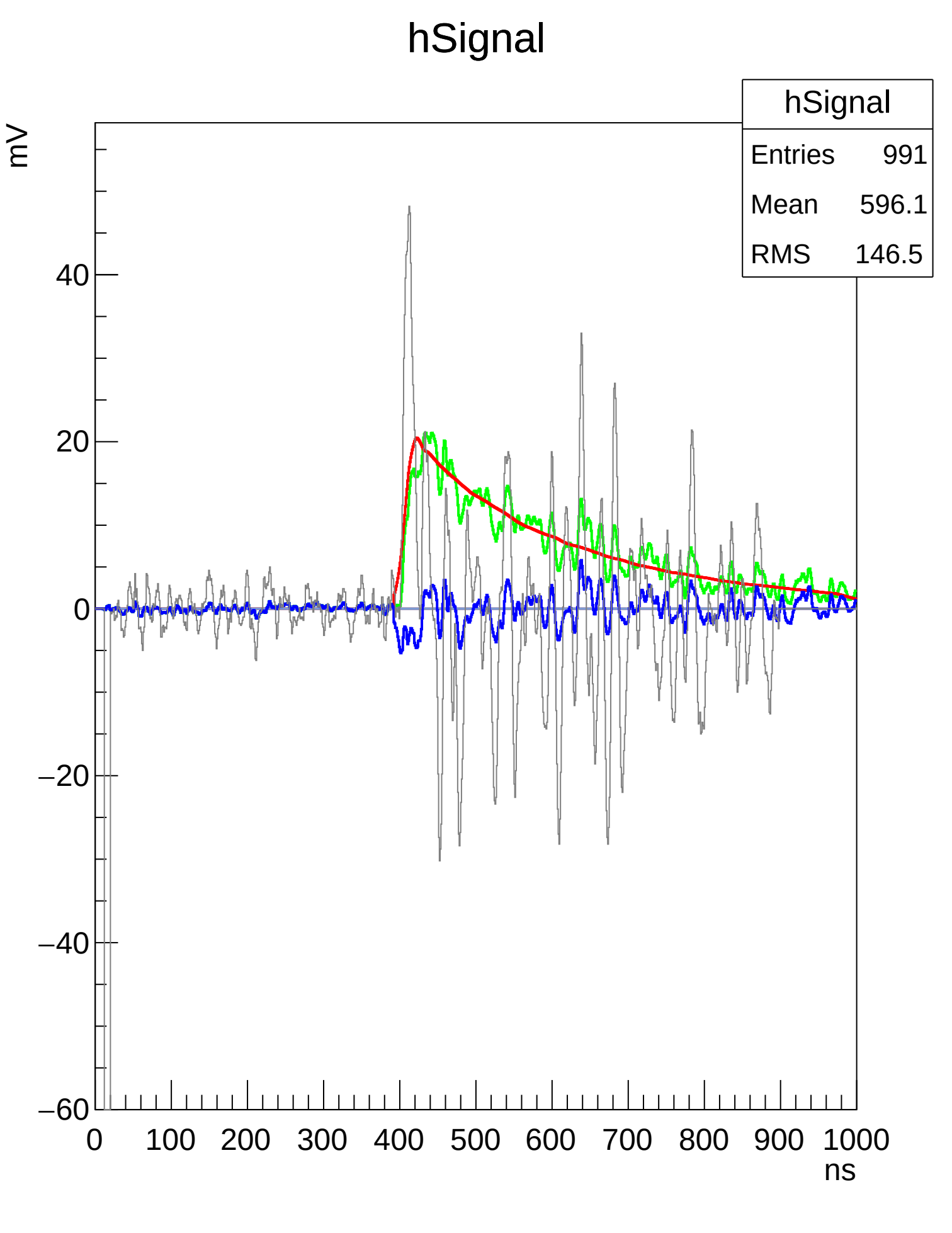
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.1
RMS 146.5
mV
40
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−20
−40
−60
0
100
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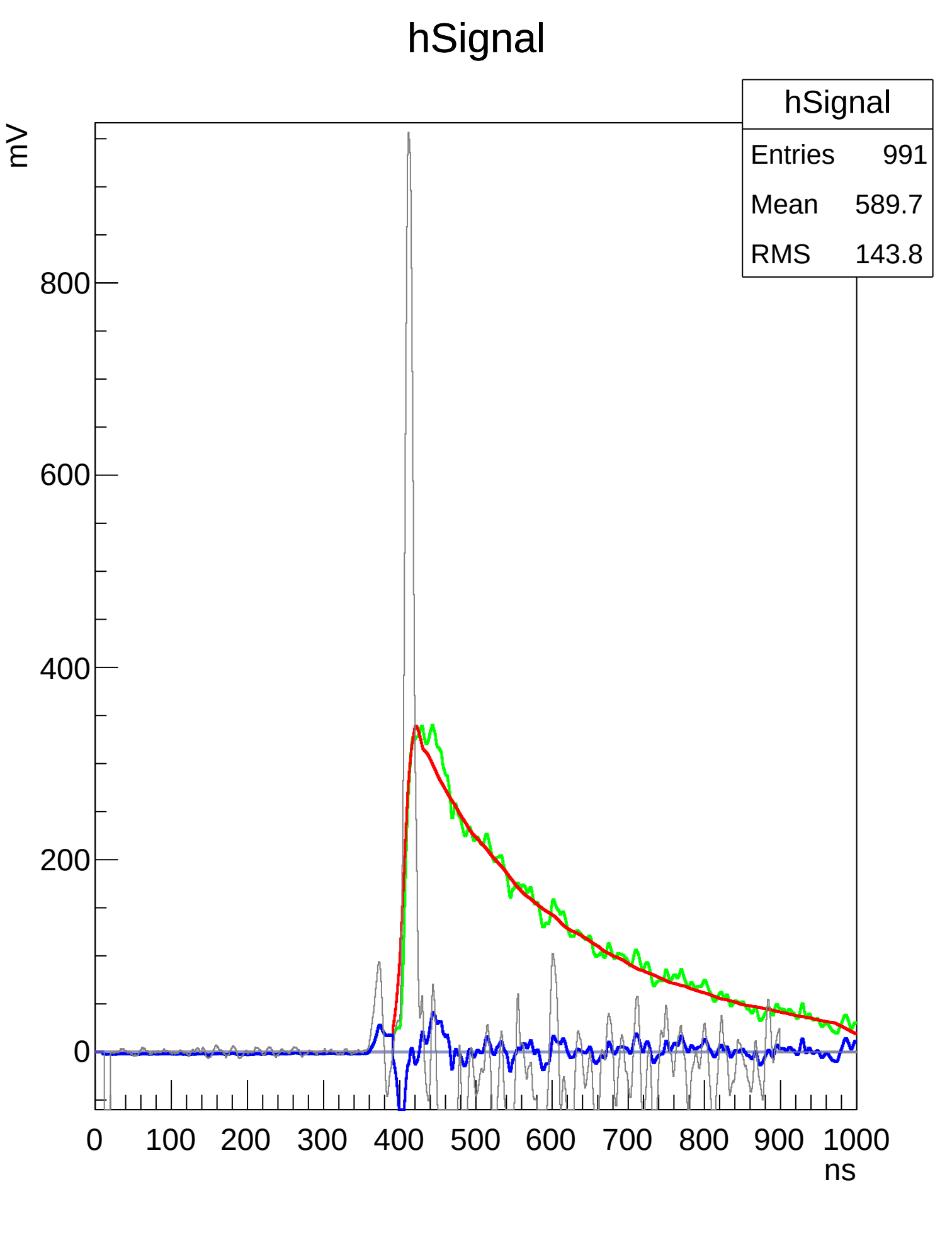
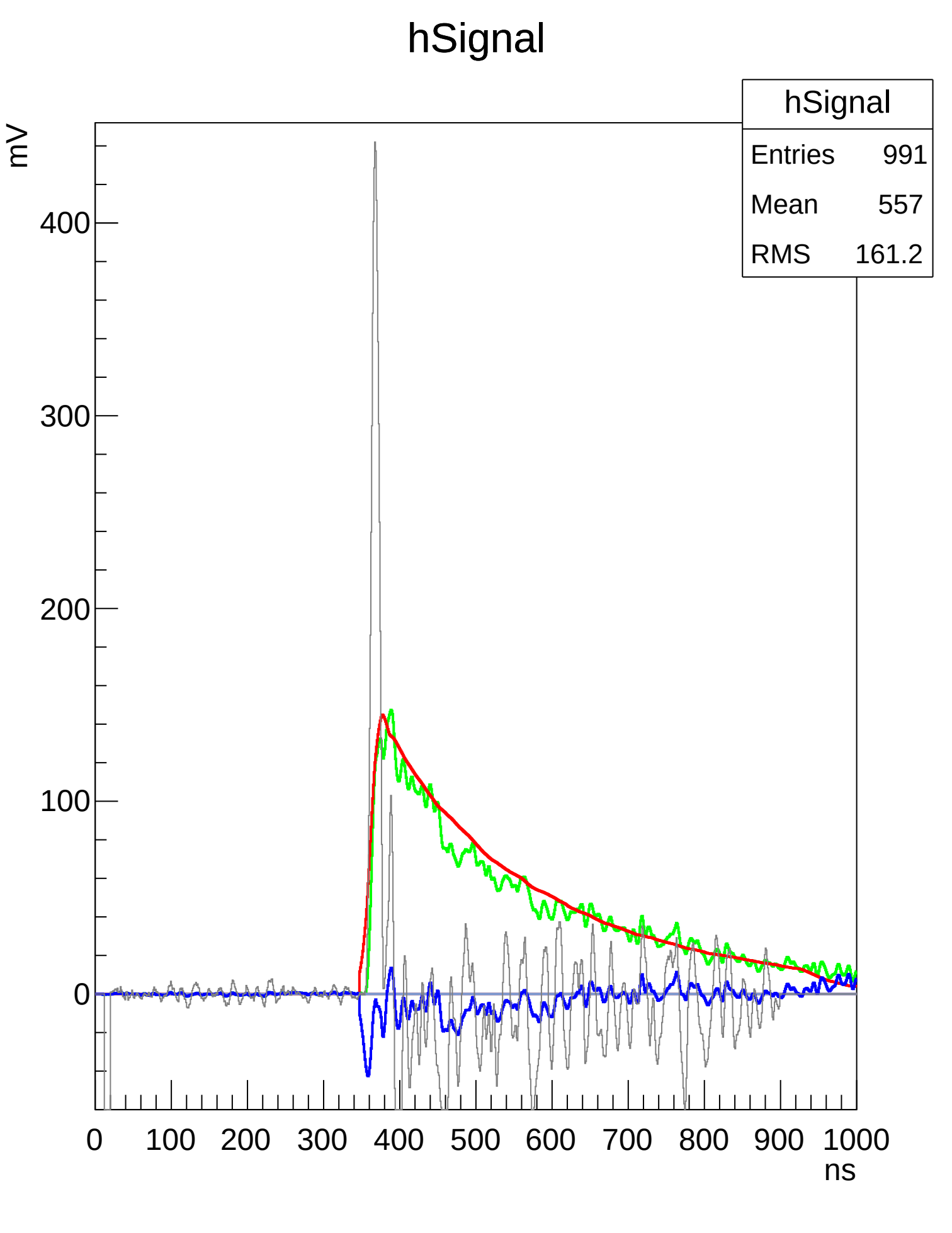
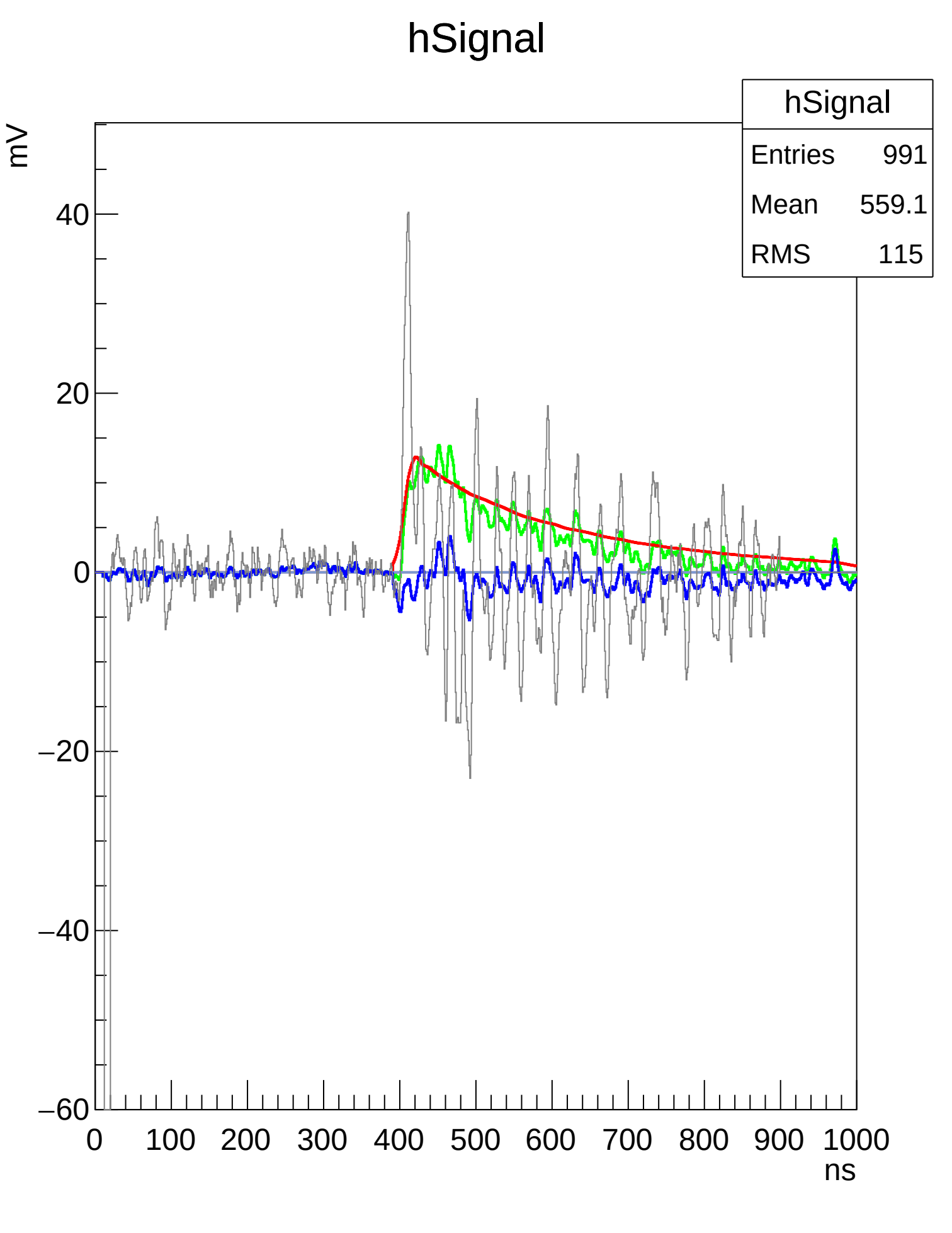
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.7
RMS 143.8
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 557
RMS 161.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.1
RMS 115
mV
40
20
0
−20
−40
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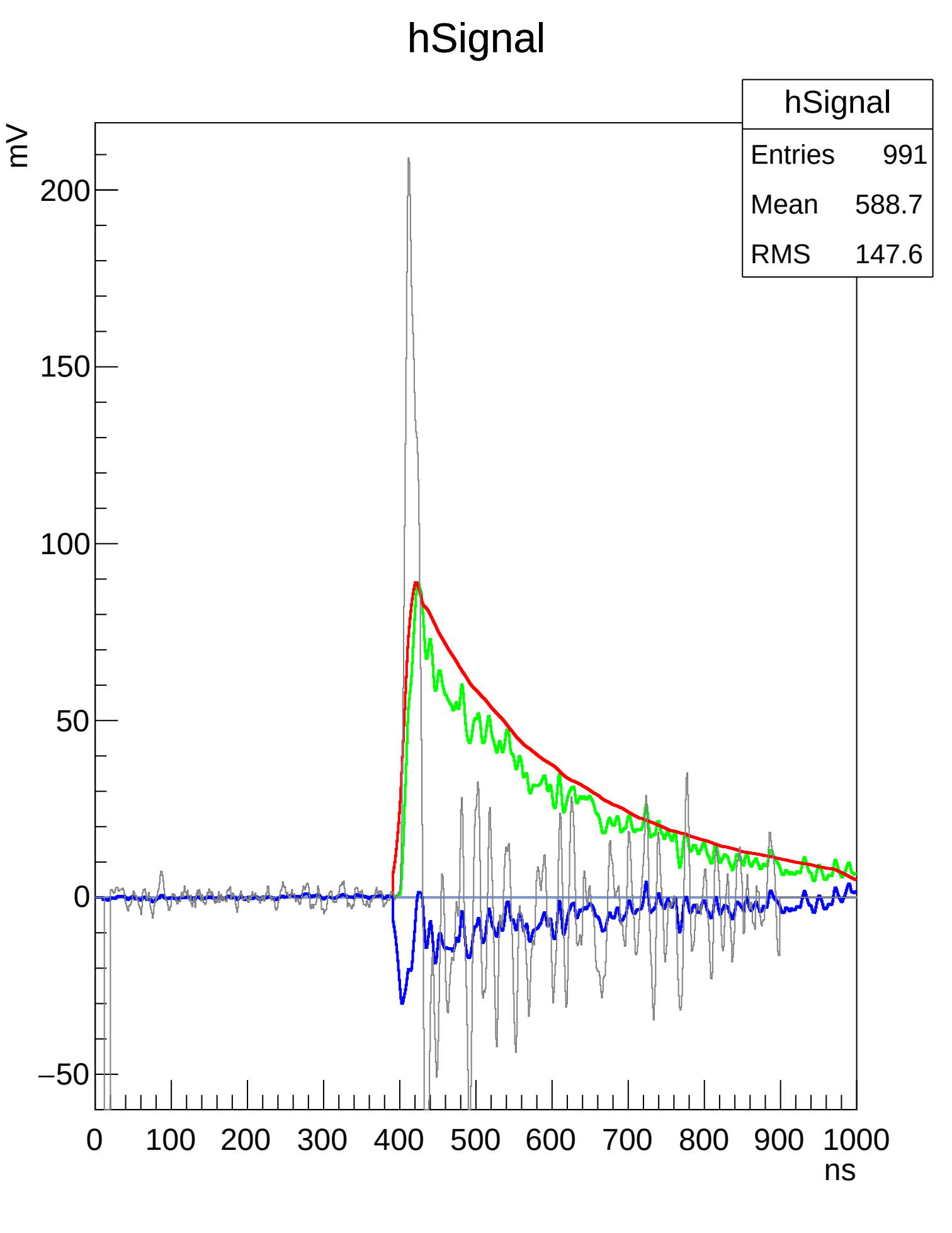
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.7
RMS 147.6
mV
200
150
100
50
0
−50
0
100
200
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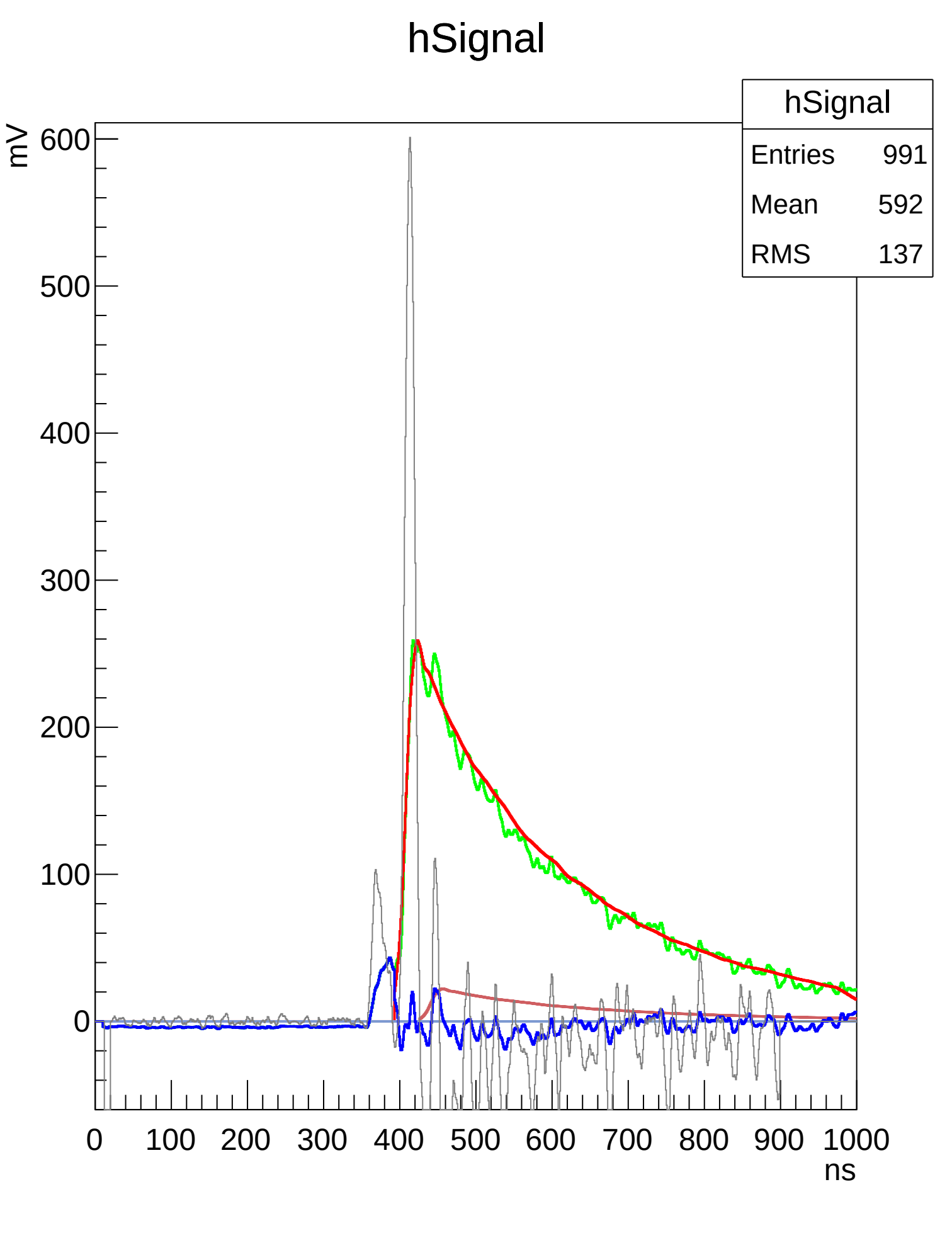
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592
RMS 137
mV
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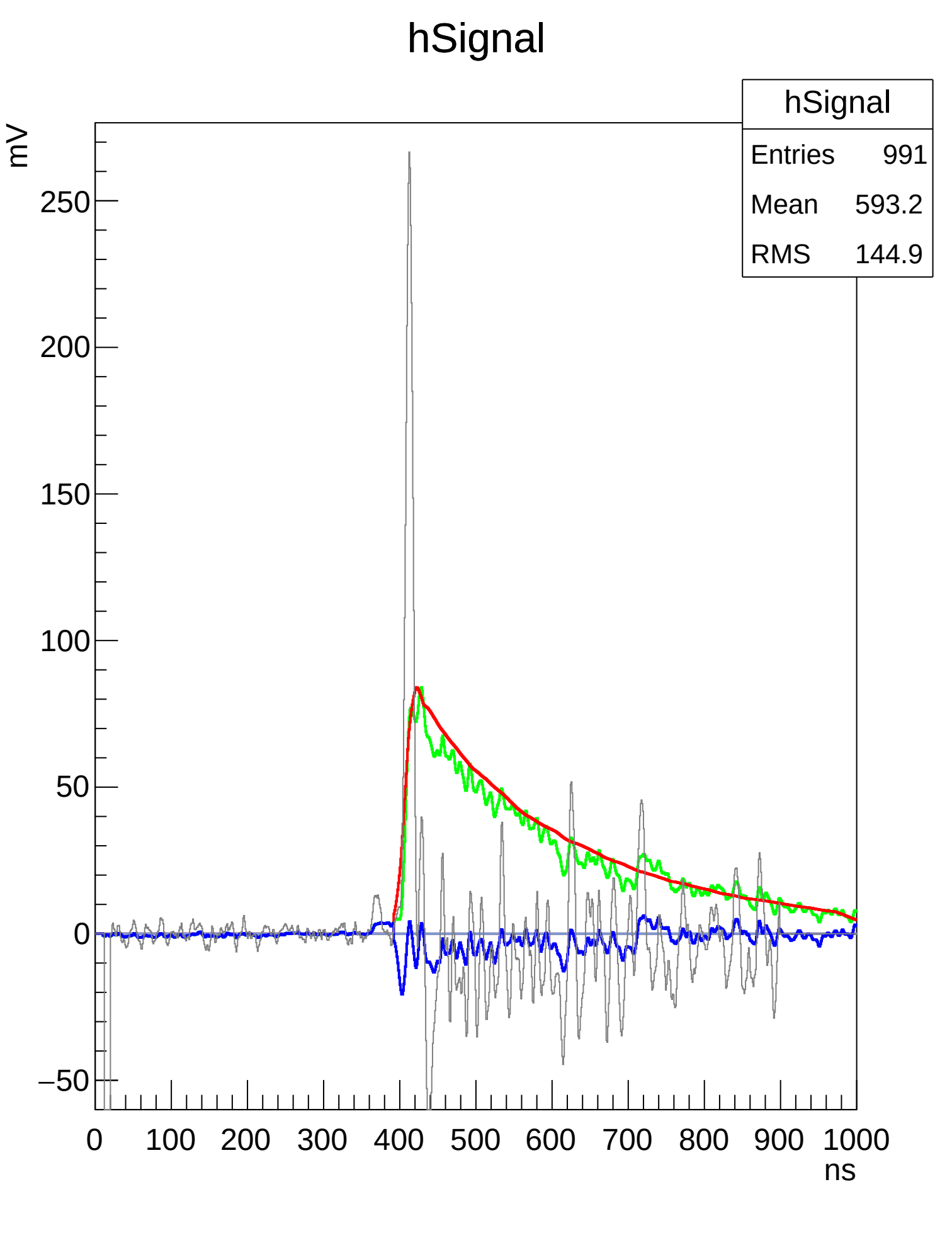
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 593.2
RMS 144.9
mV
250
200
150
100
50
0
−50
0
100
200
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400
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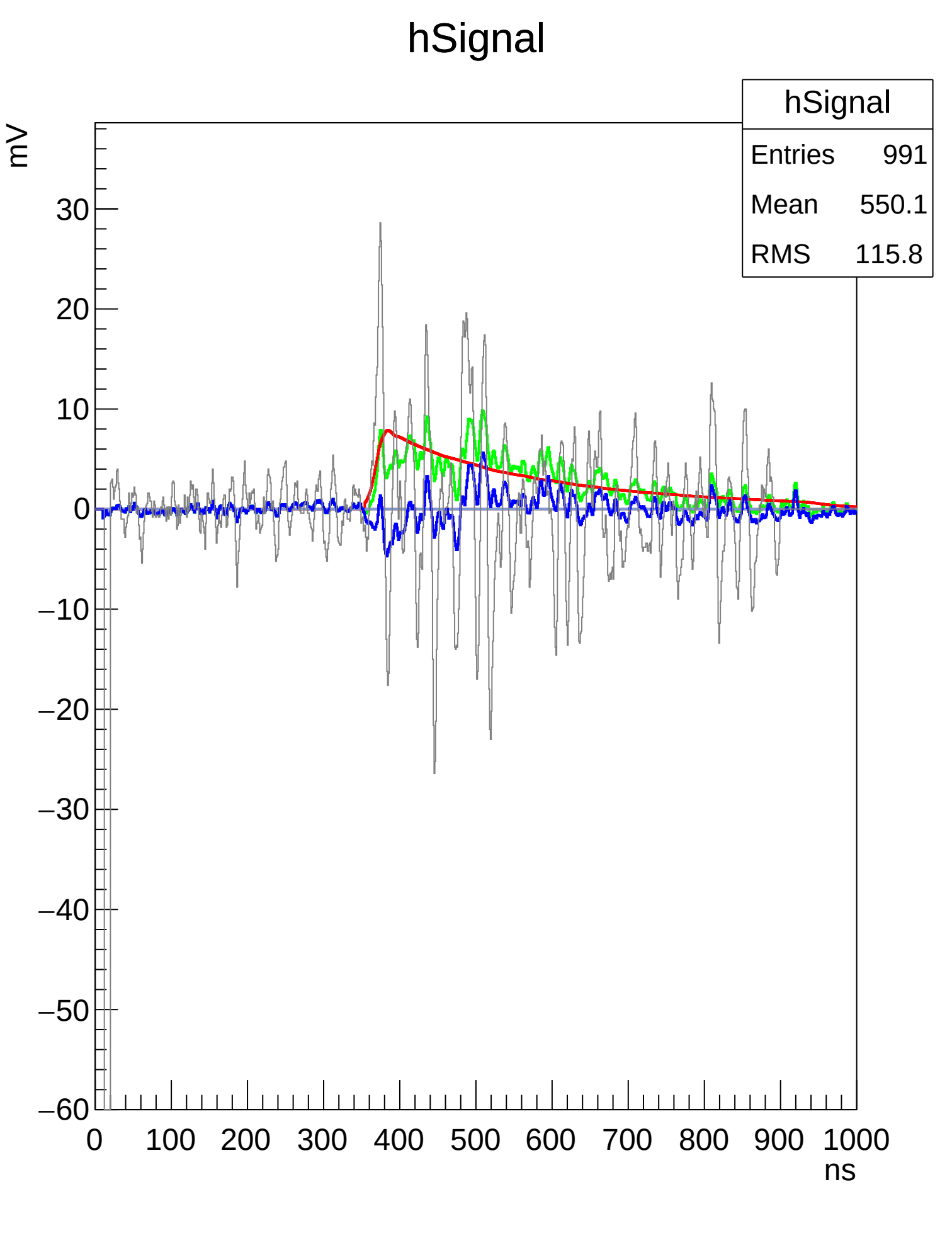
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.1
RMS 115.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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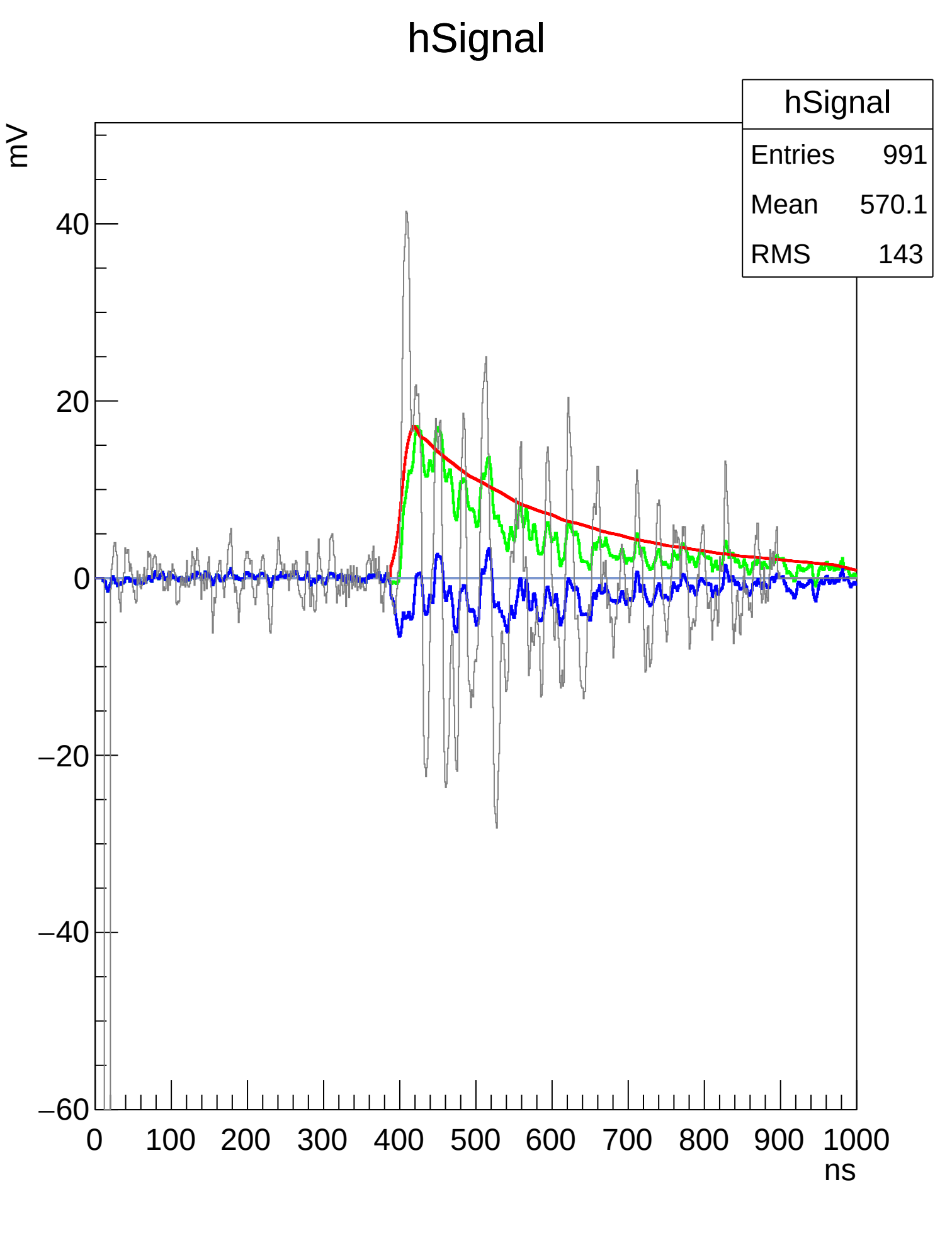
1000
ns


hSignal
hSignal
Entries 991
Mean 570.1
RMS 143
mV
40
20
0
−20
−40
−60
0
100
200
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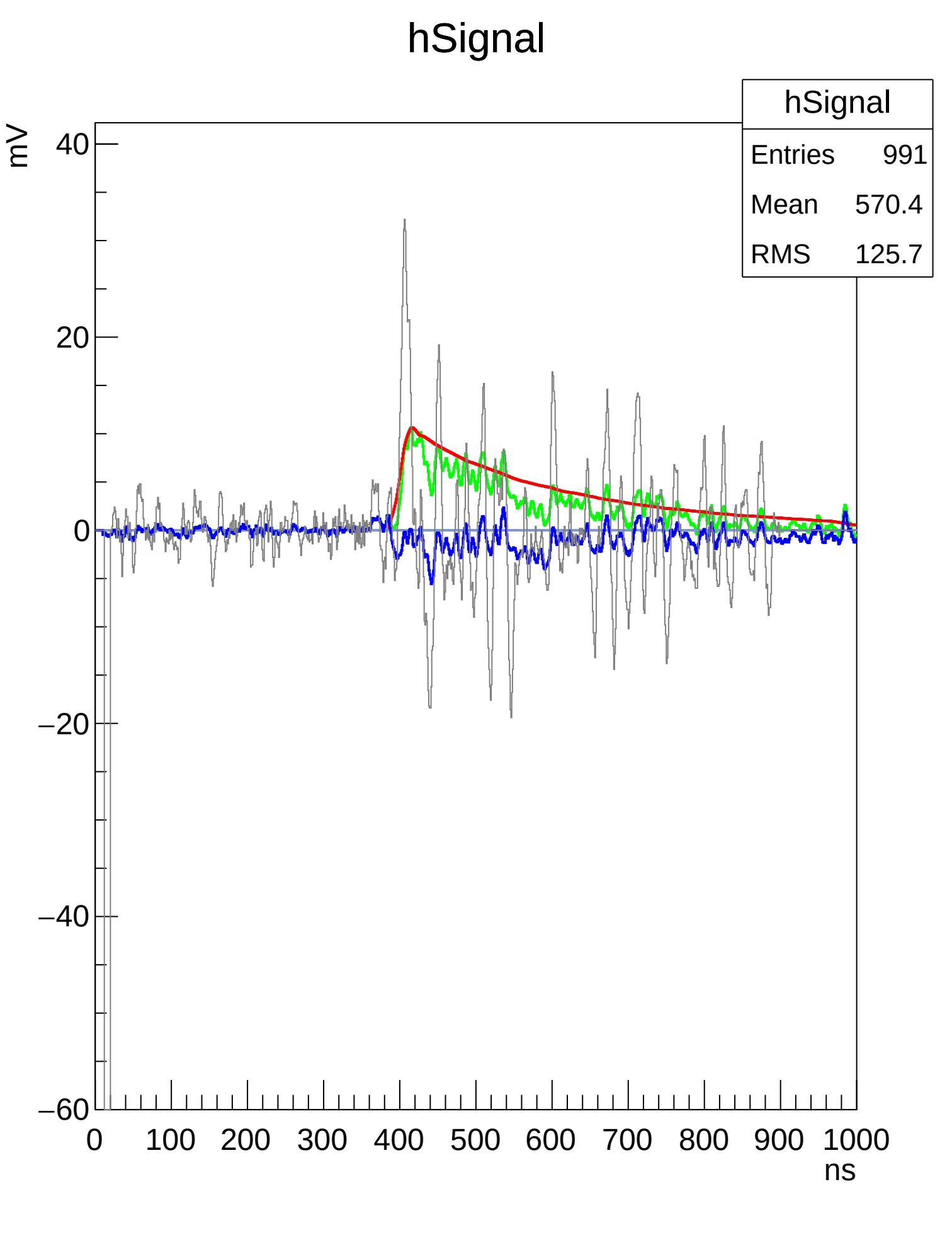
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.4
RMS 125.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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600
700
800
900
1000
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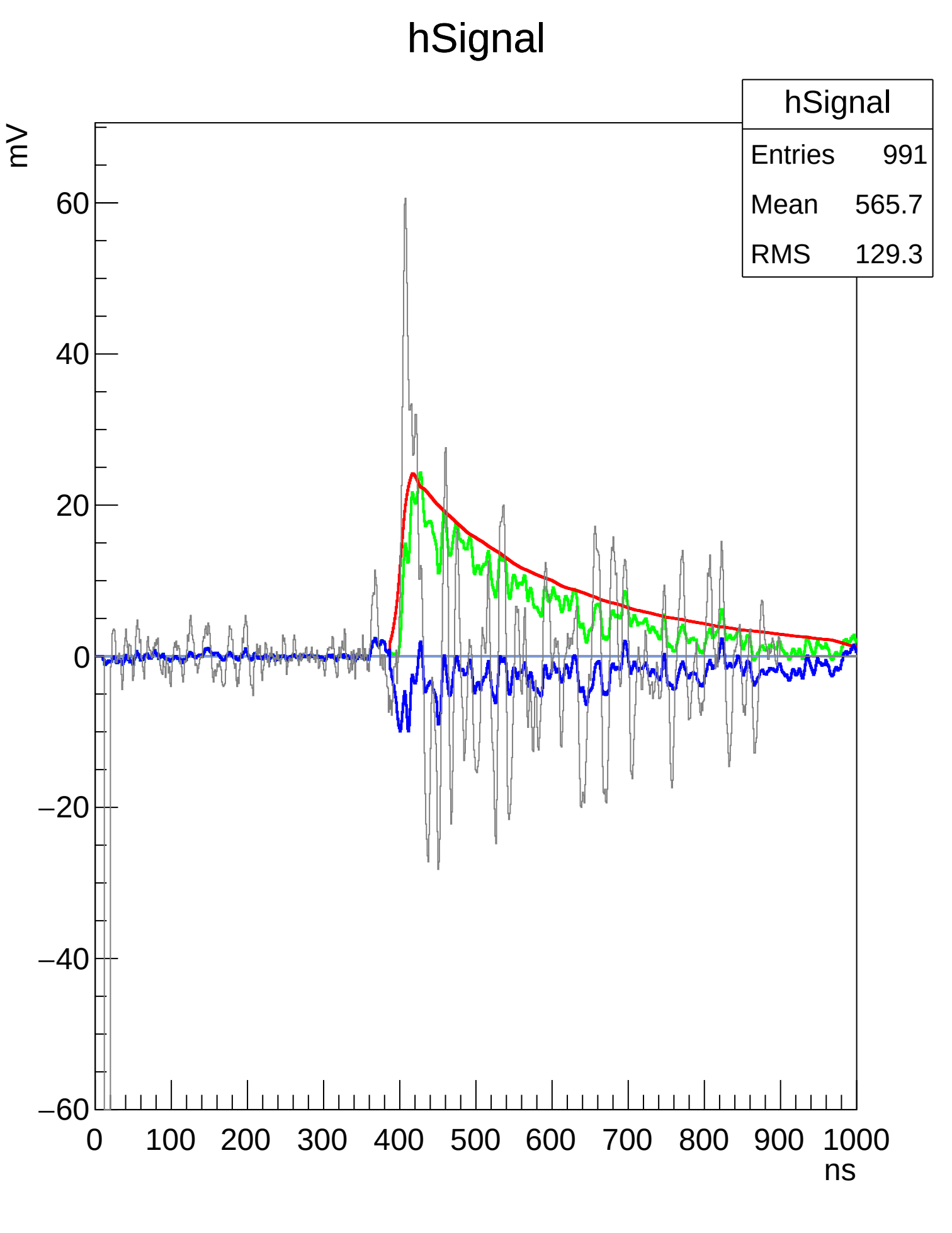
hSignal
hSignal
Entries 991
Mean 565.7
RMS 129.3
mV
60
40
20
0
−20
−40
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0
100
200
300
400
500
600
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800
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1000
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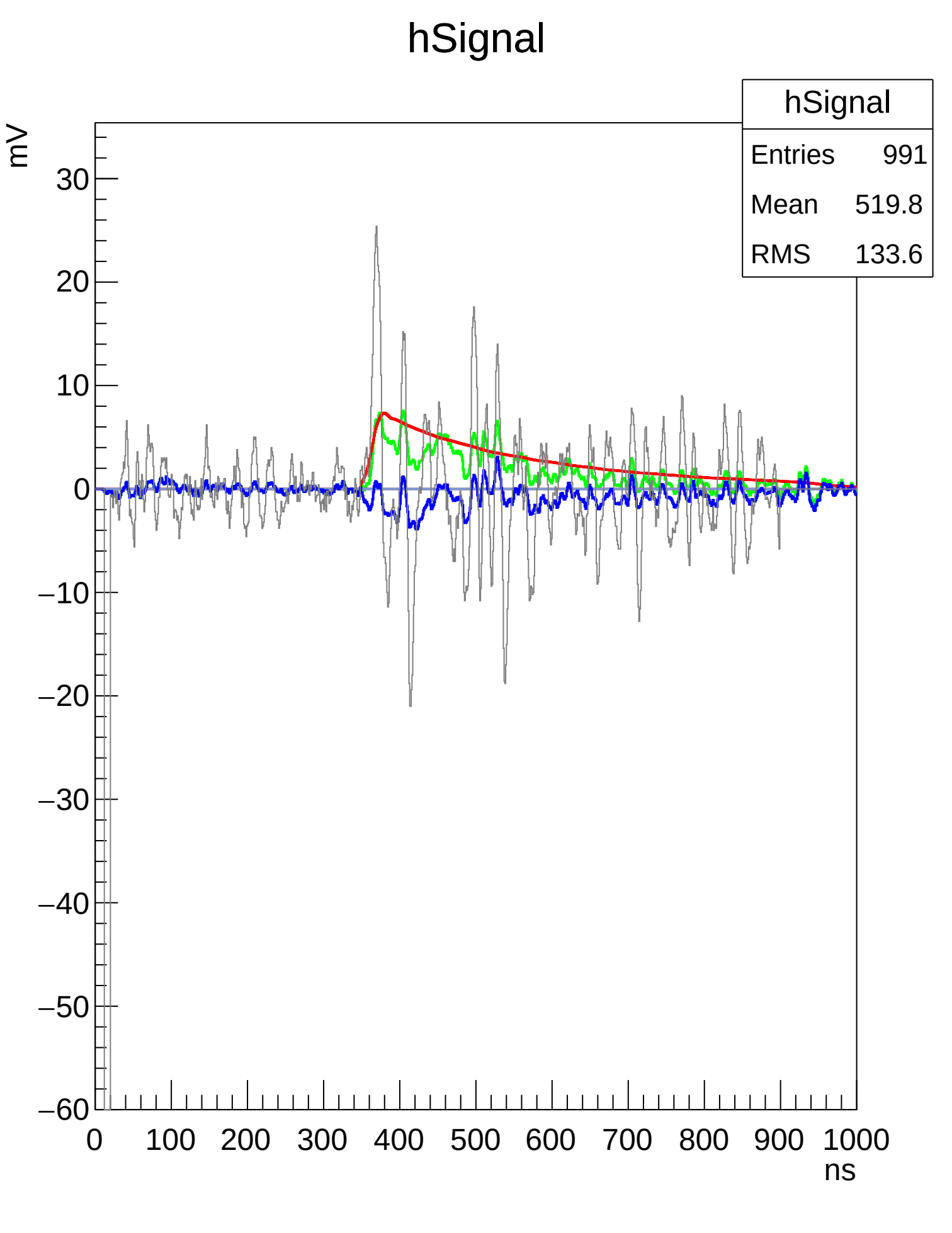
hSignal
hSignal
Entries 991
Mean 519.8
RMS 133.6
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
300
400
500
600
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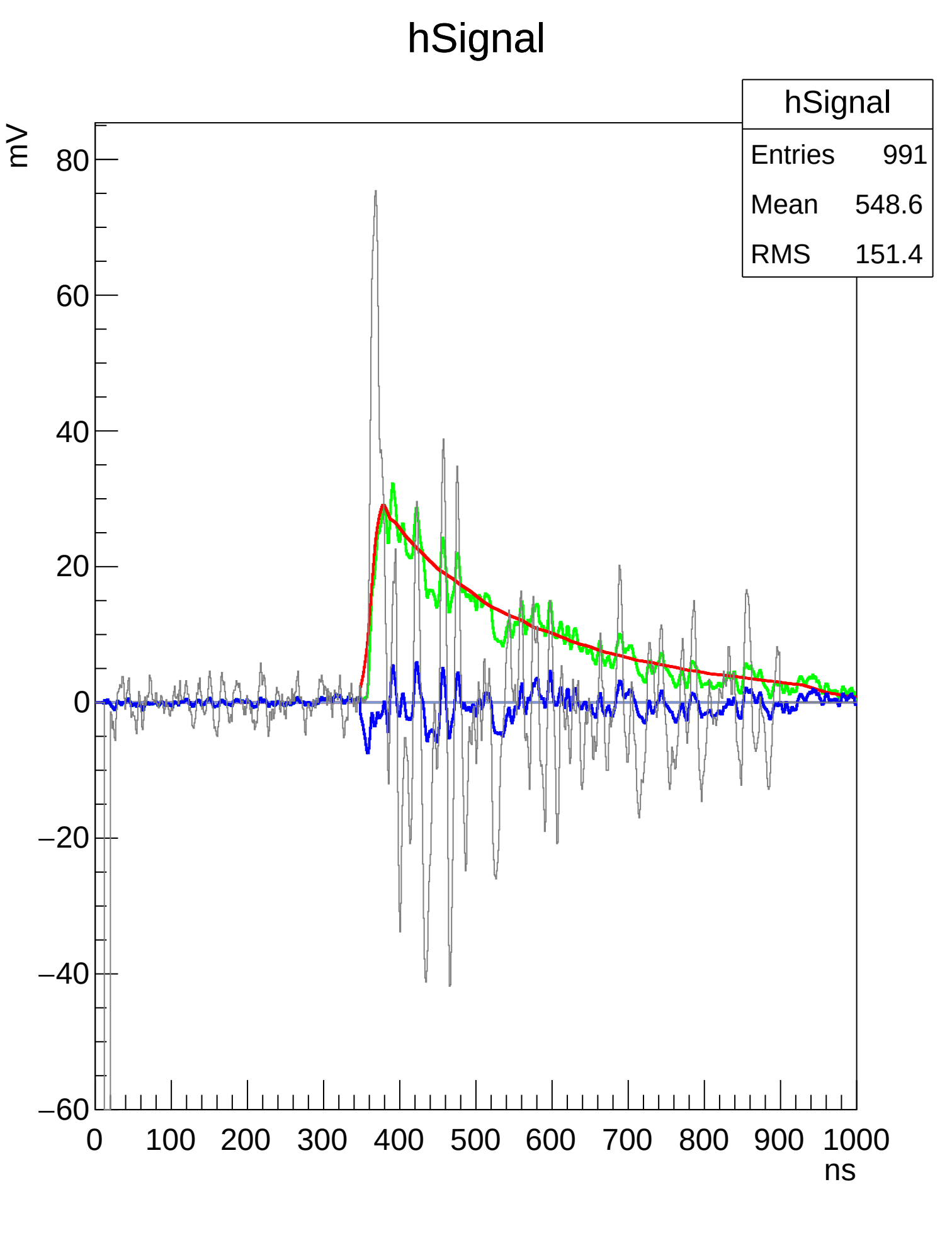
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.6
RMS 151.4
mV
80
60
40
20
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−20
−40
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0
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200
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400
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600
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800
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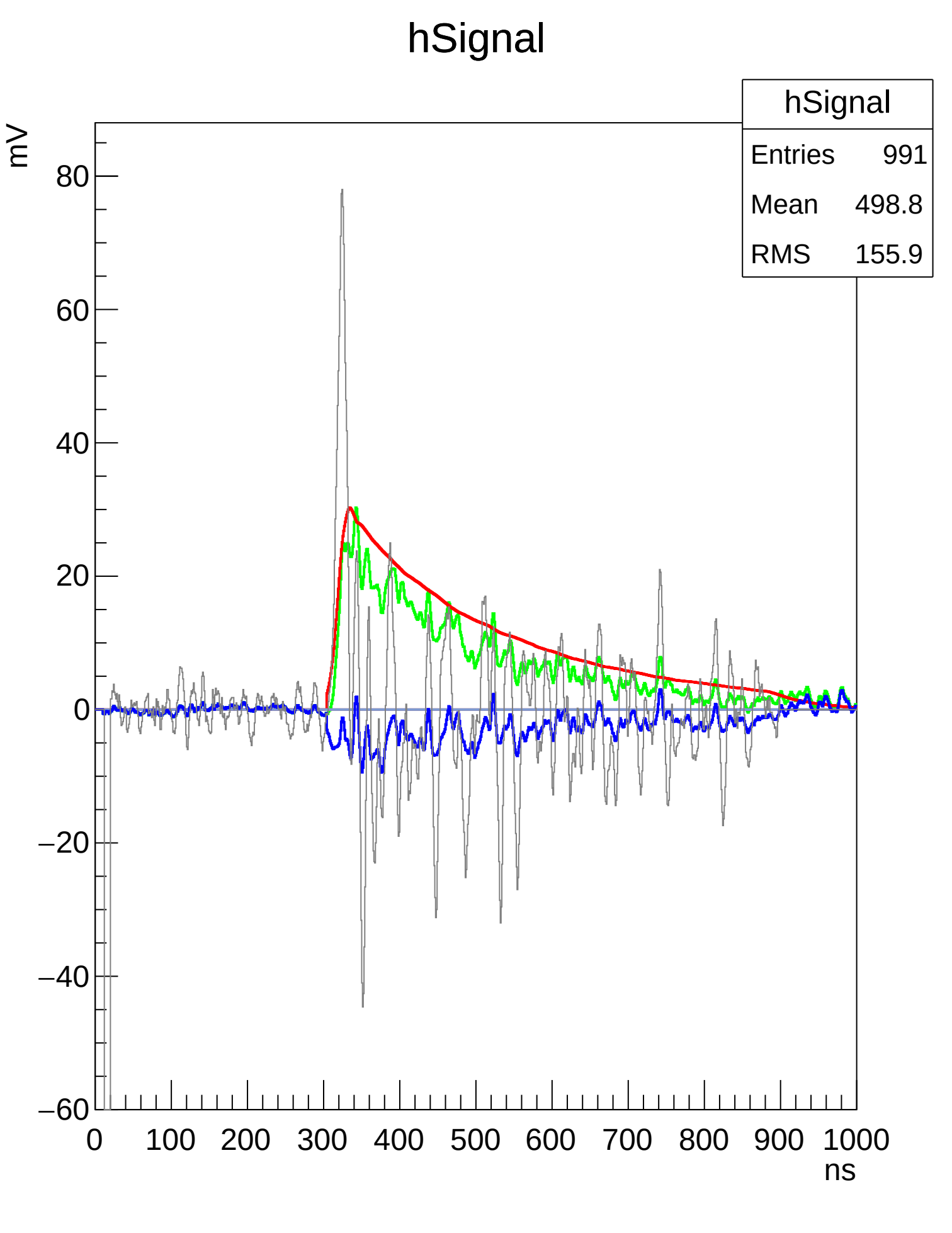
1000
ns


hSignal
hSignal
Entries 991
Mean 498.8
RMS 155.9
mV
80
60
40
20
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−20
−40
−60
0
100
200
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400
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600
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800
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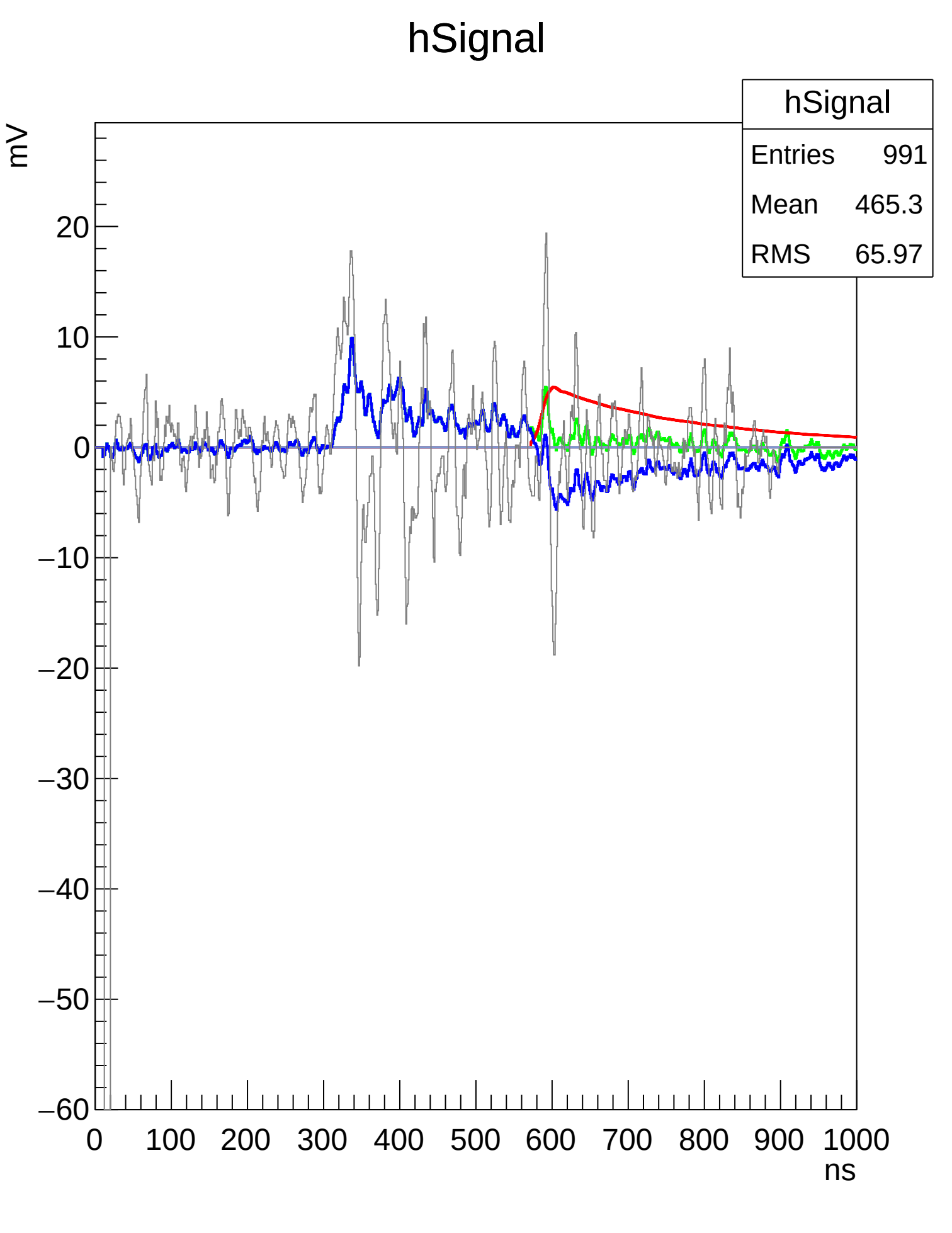
1000
ns


hSignal
hSignal
Entries 991
Mean 465.3
RMS 65.97
mV
20
10
0
−10
−20
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−40
−50
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0
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400
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800
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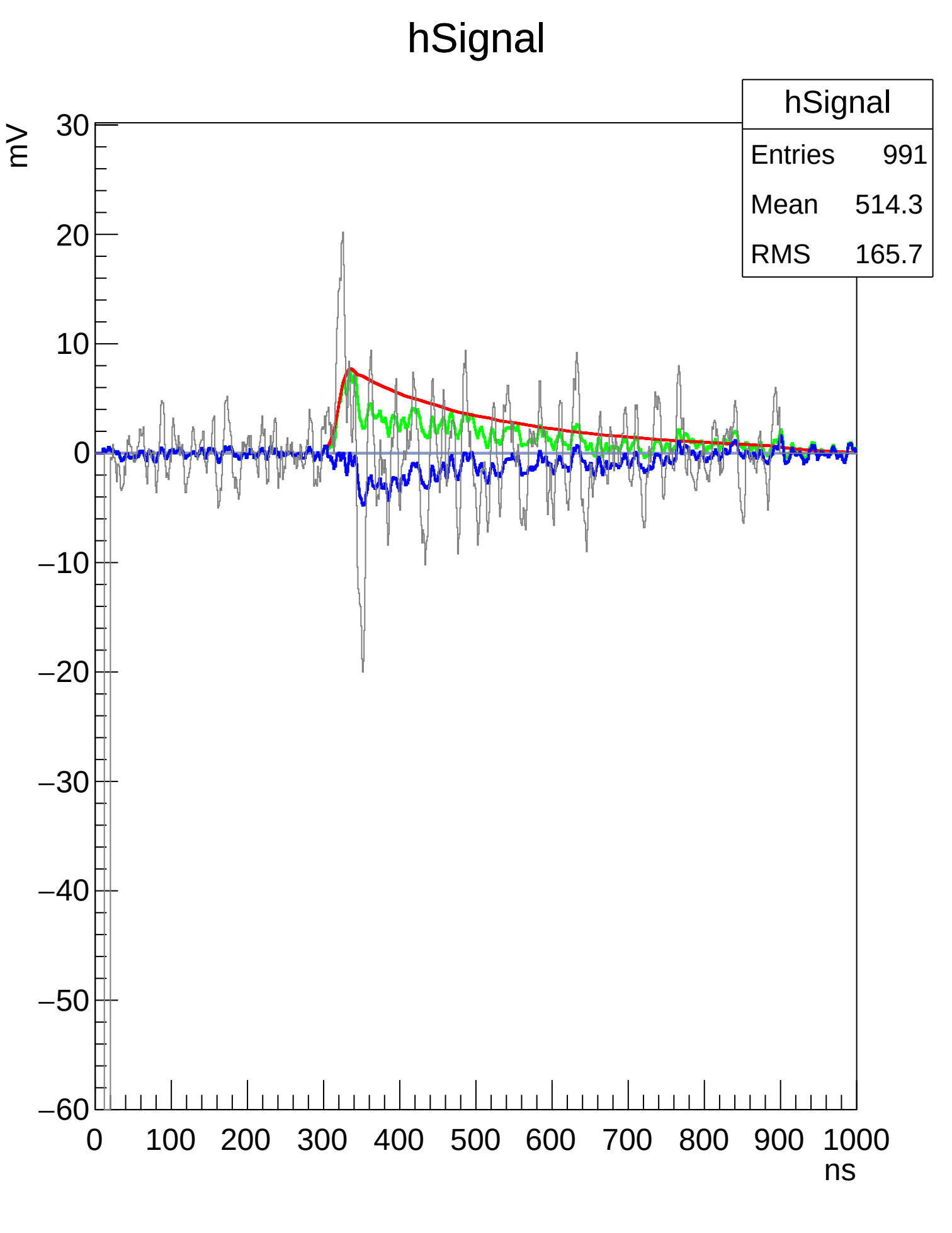
1000
ns


hSignal
hSignal
Entries 991
Mean 514.3
RMS 165.7
mV
30
20
10
0
−10
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−50
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0
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200
300
400
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800
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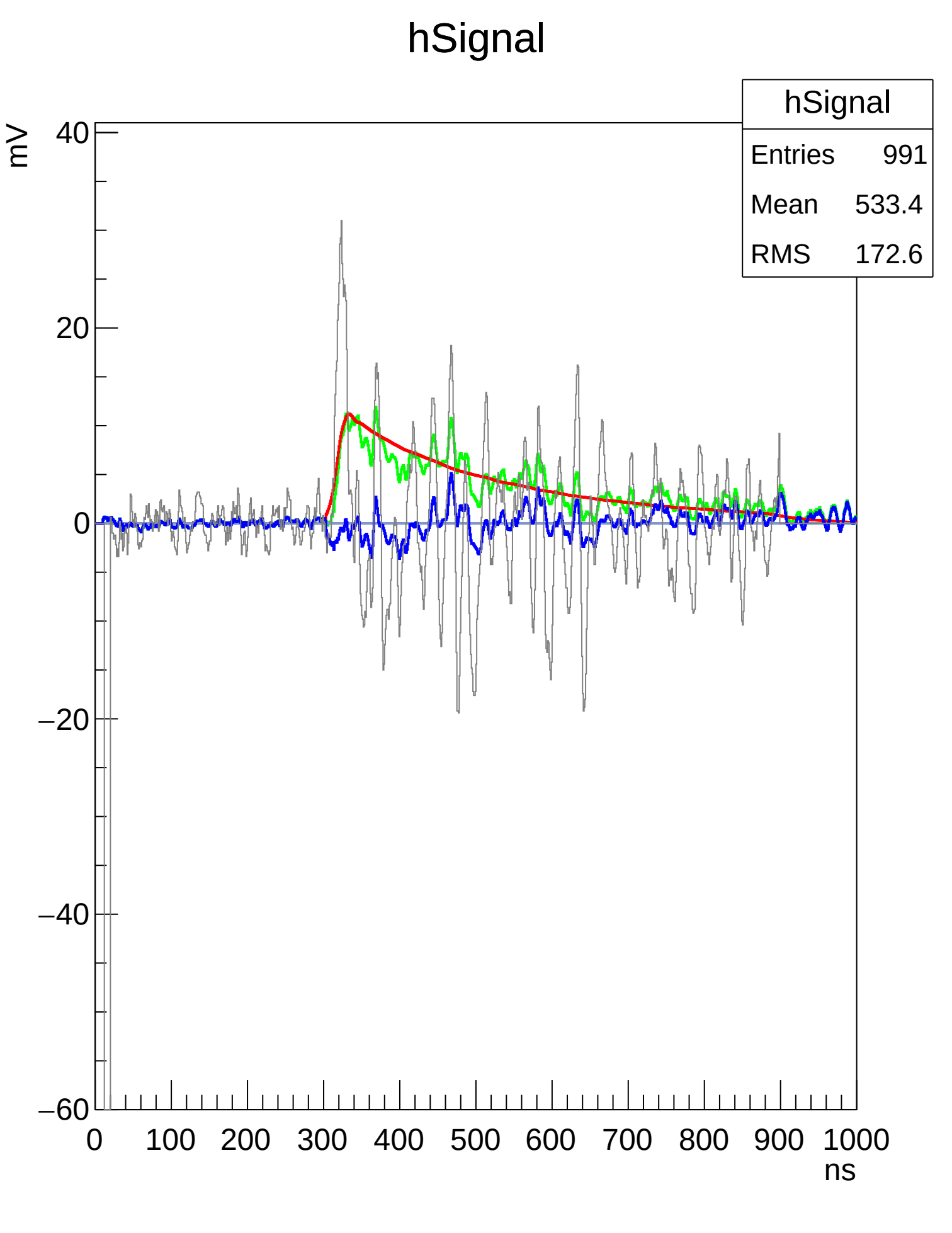
1000
ns


hSignal
hSignal
Entries 991
Mean 533.4
RMS 172.6
mV
40
20
0
−20
−40
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0
100
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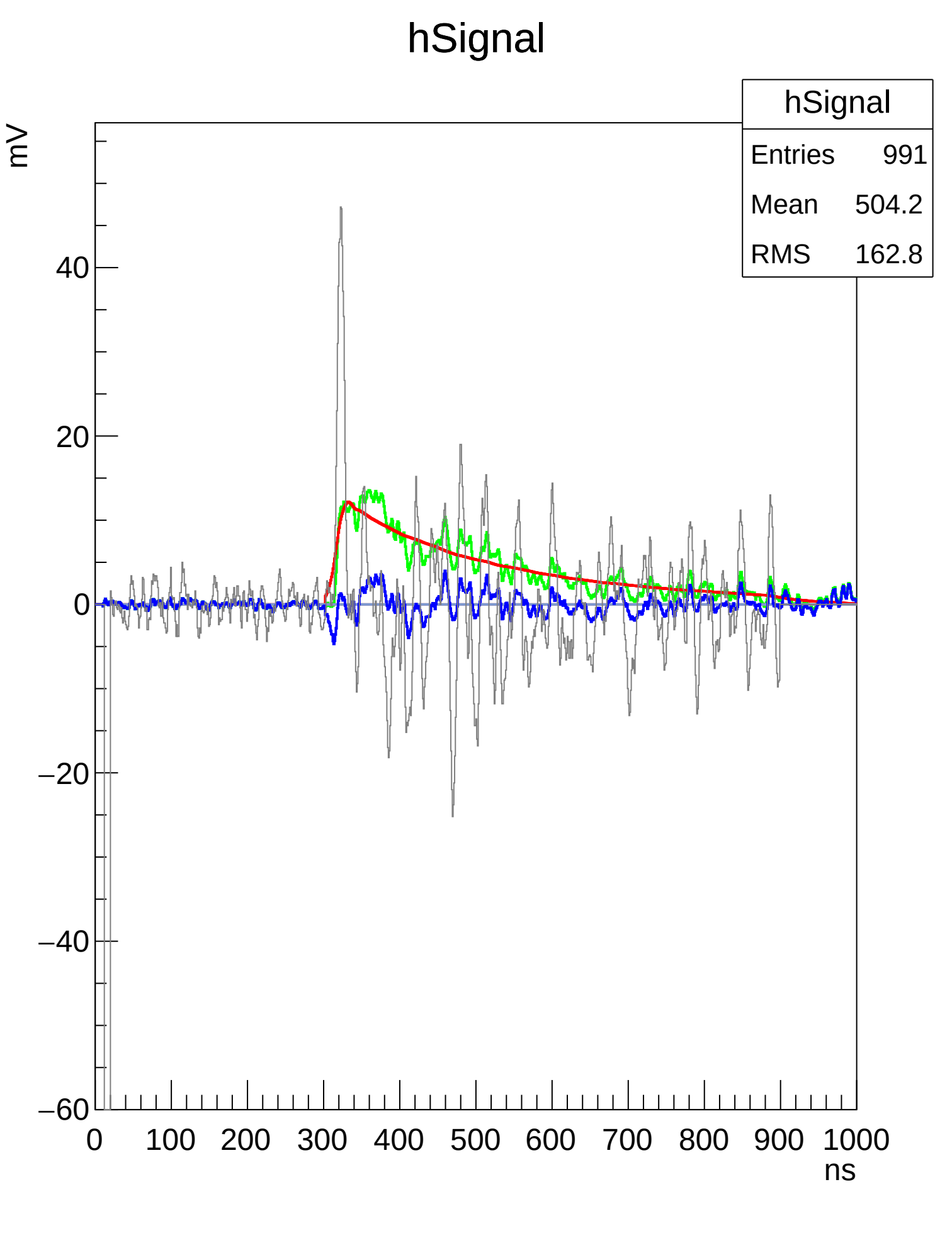
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.2
RMS 162.8
mV
40
20
0
−20
−40
−60
0
100
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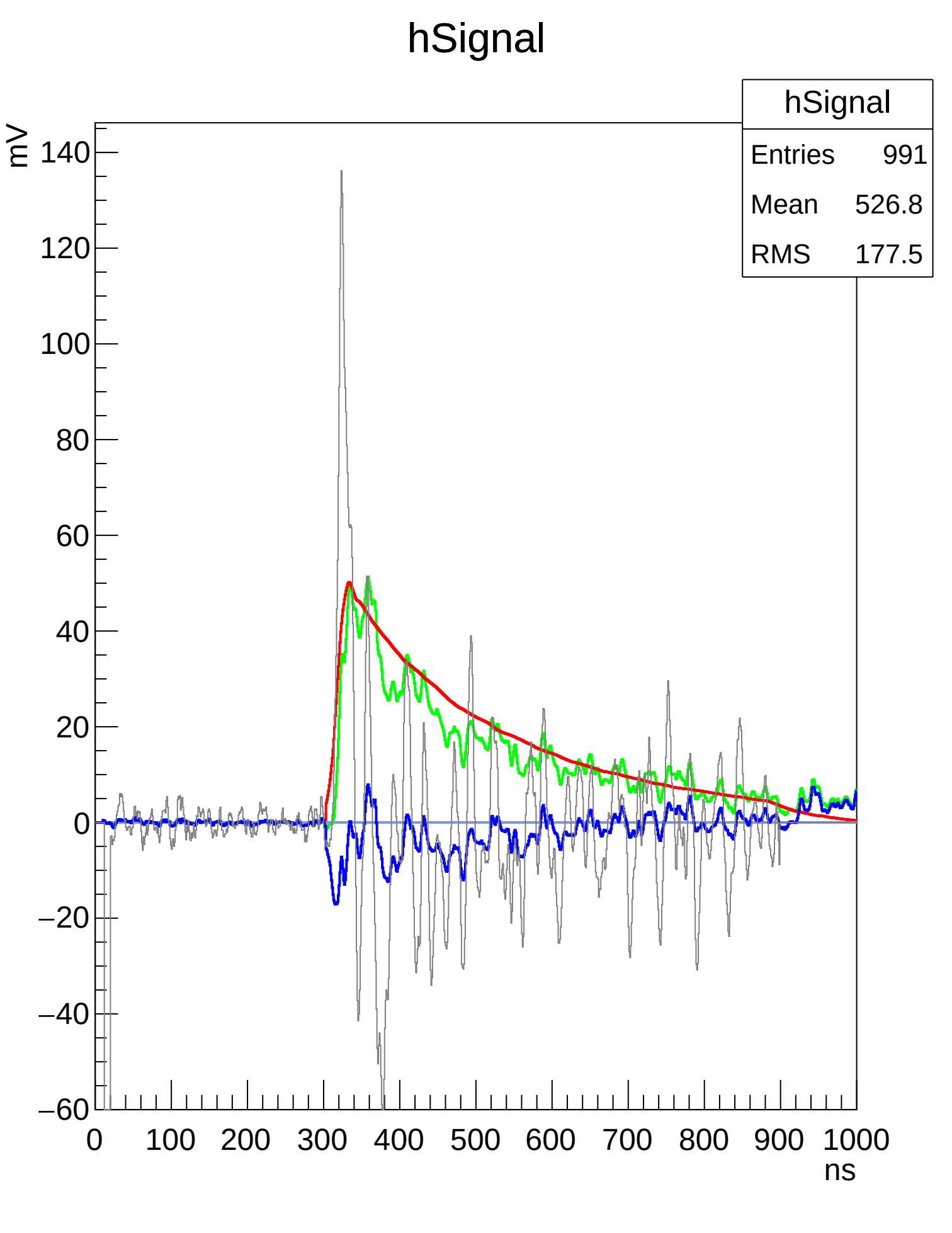
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.8
RMS 177.5
mV
140
120
100
80
60
40
20
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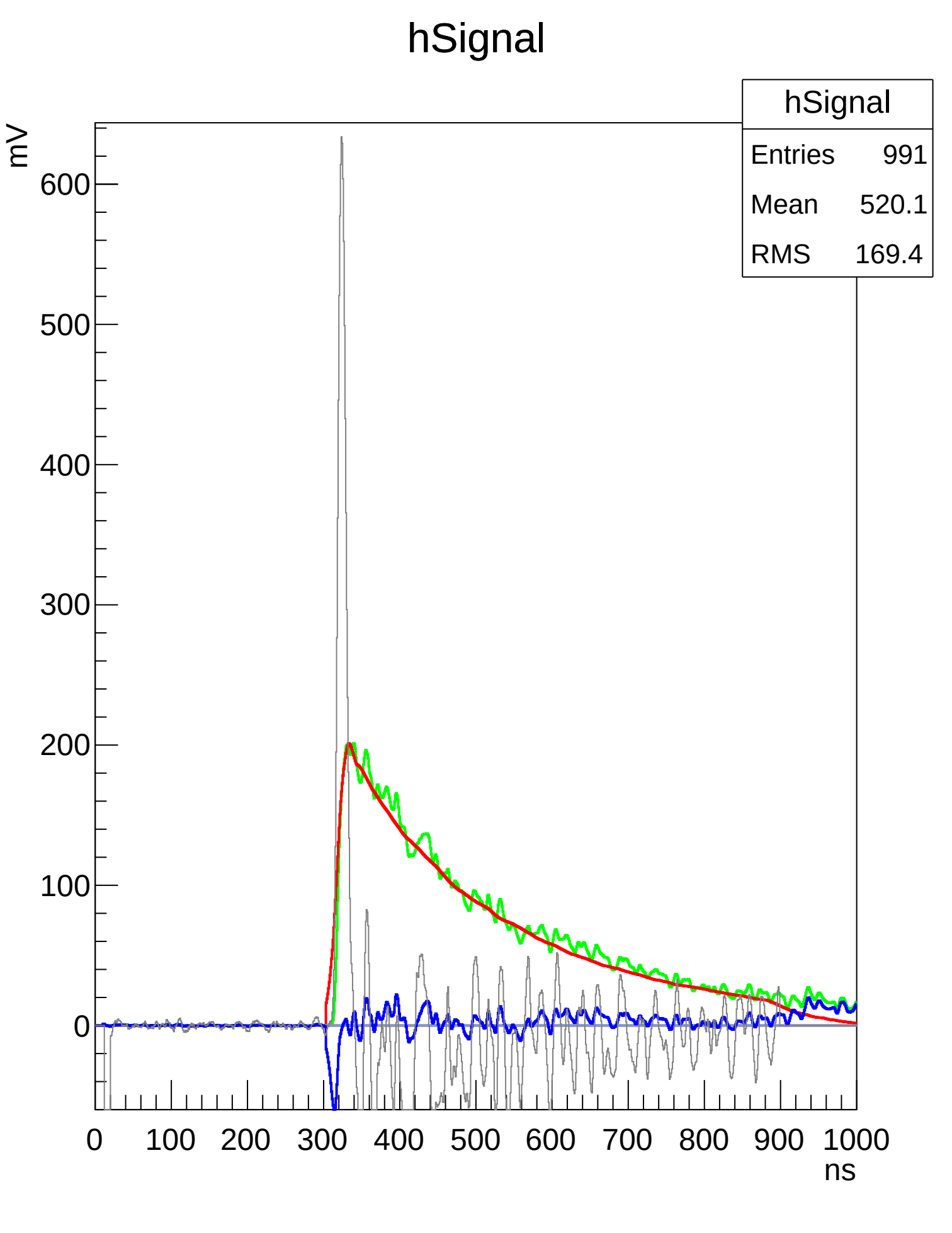
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.1
RMS 169.4
mV
600
500
400
300
200
100
0
0
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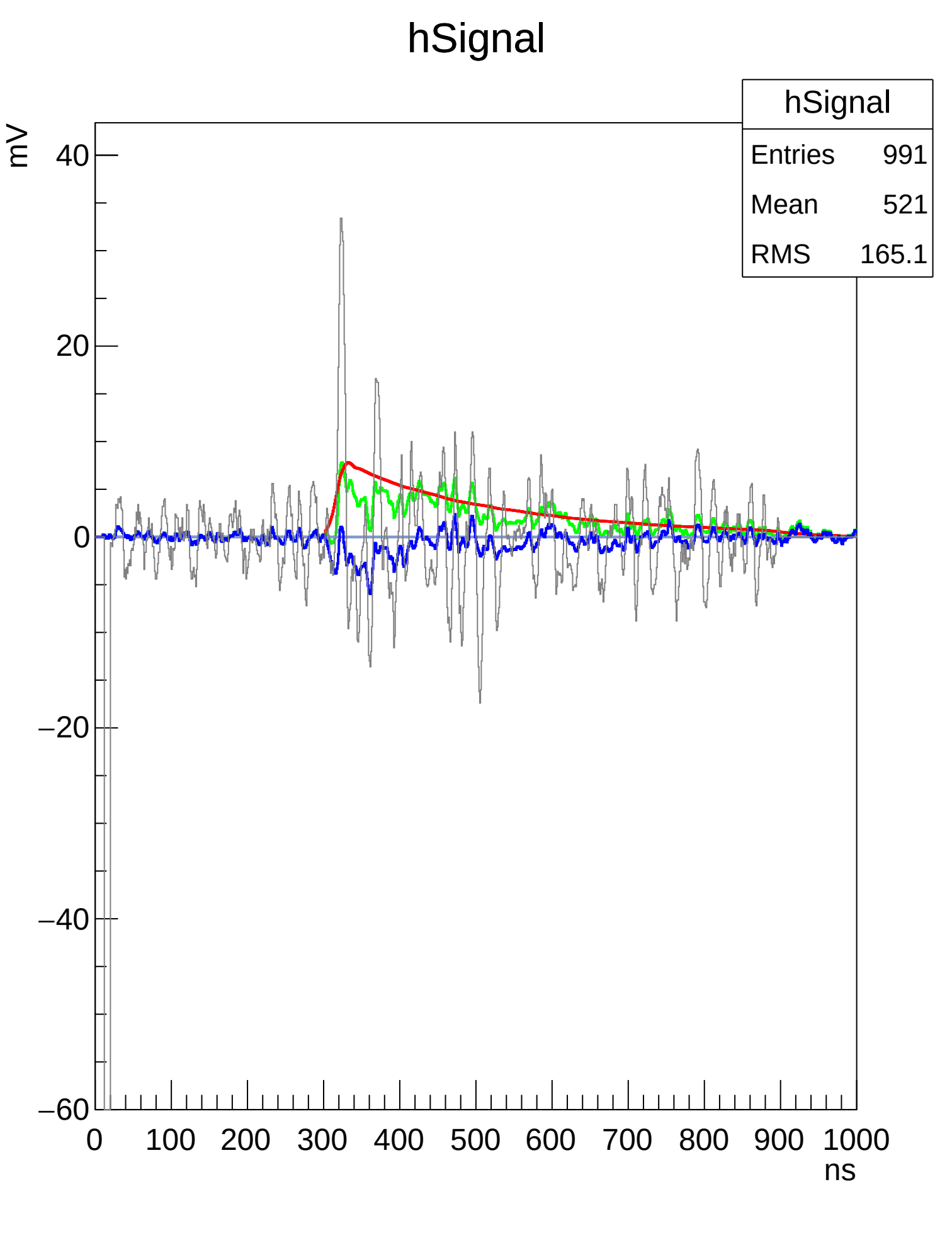
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521
RMS 165.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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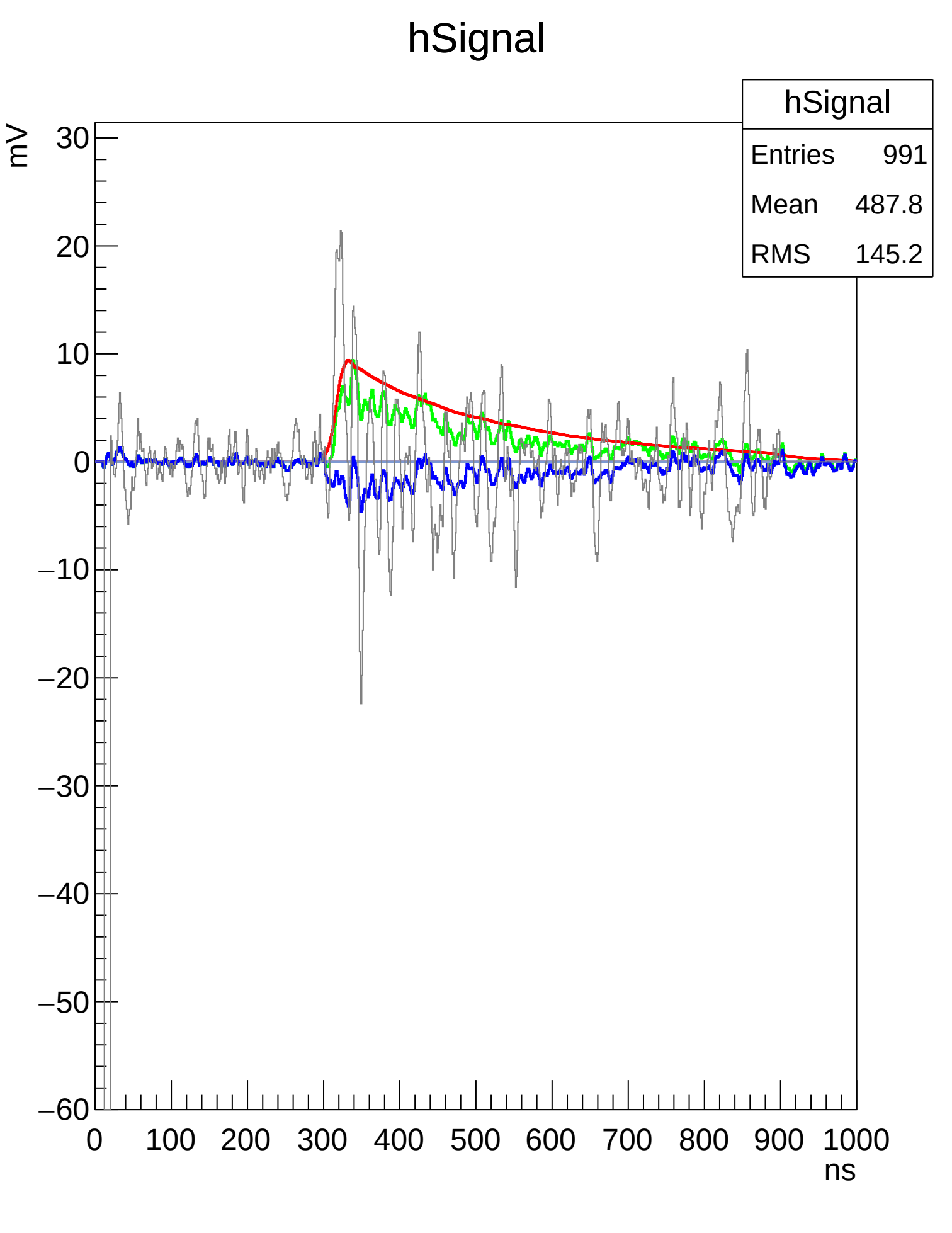
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 487.8
RMS 145.2
mV
30
20
10
0
−10
−20
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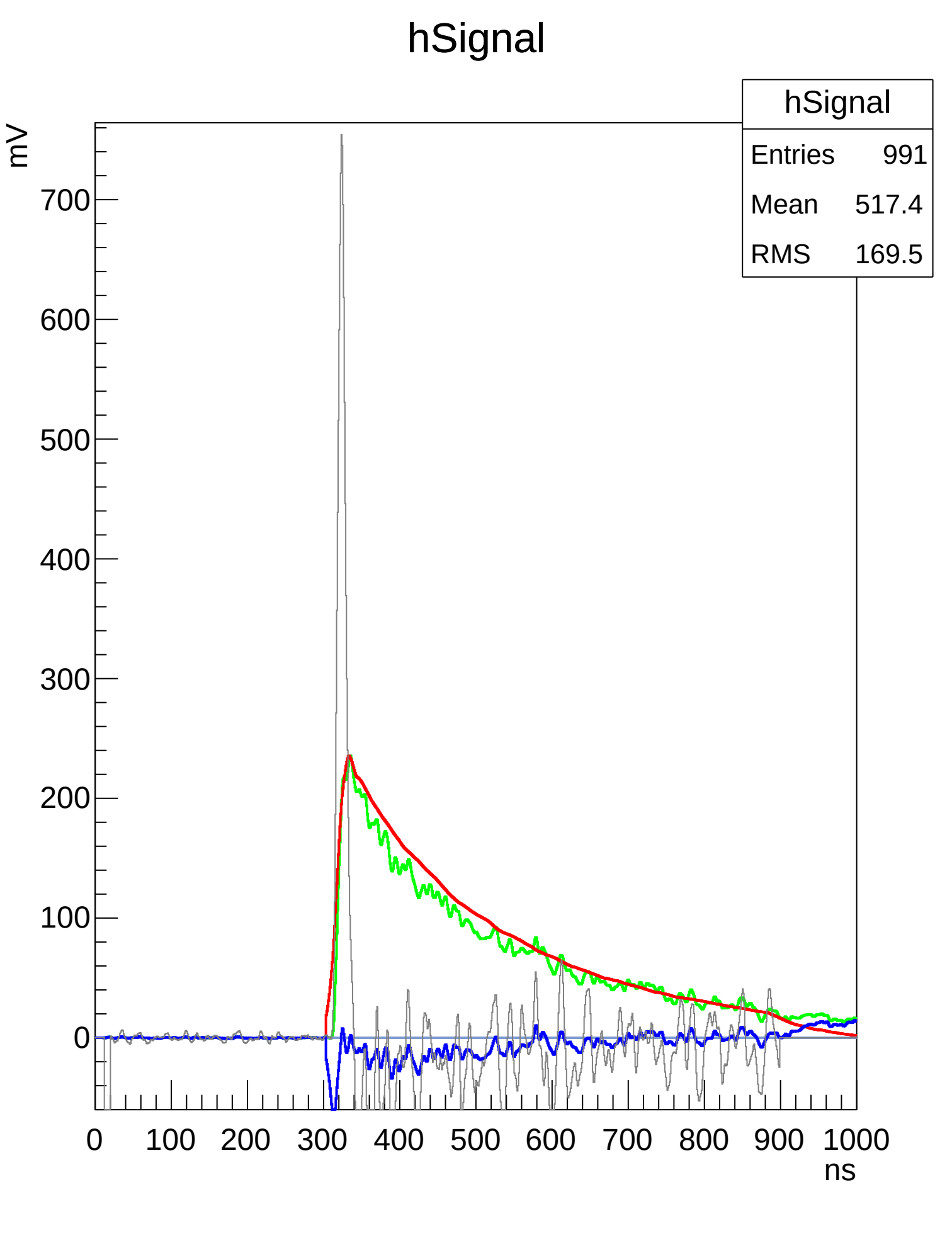
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.4
RMS 169.5
mV
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600
500
400
300
200
100
0
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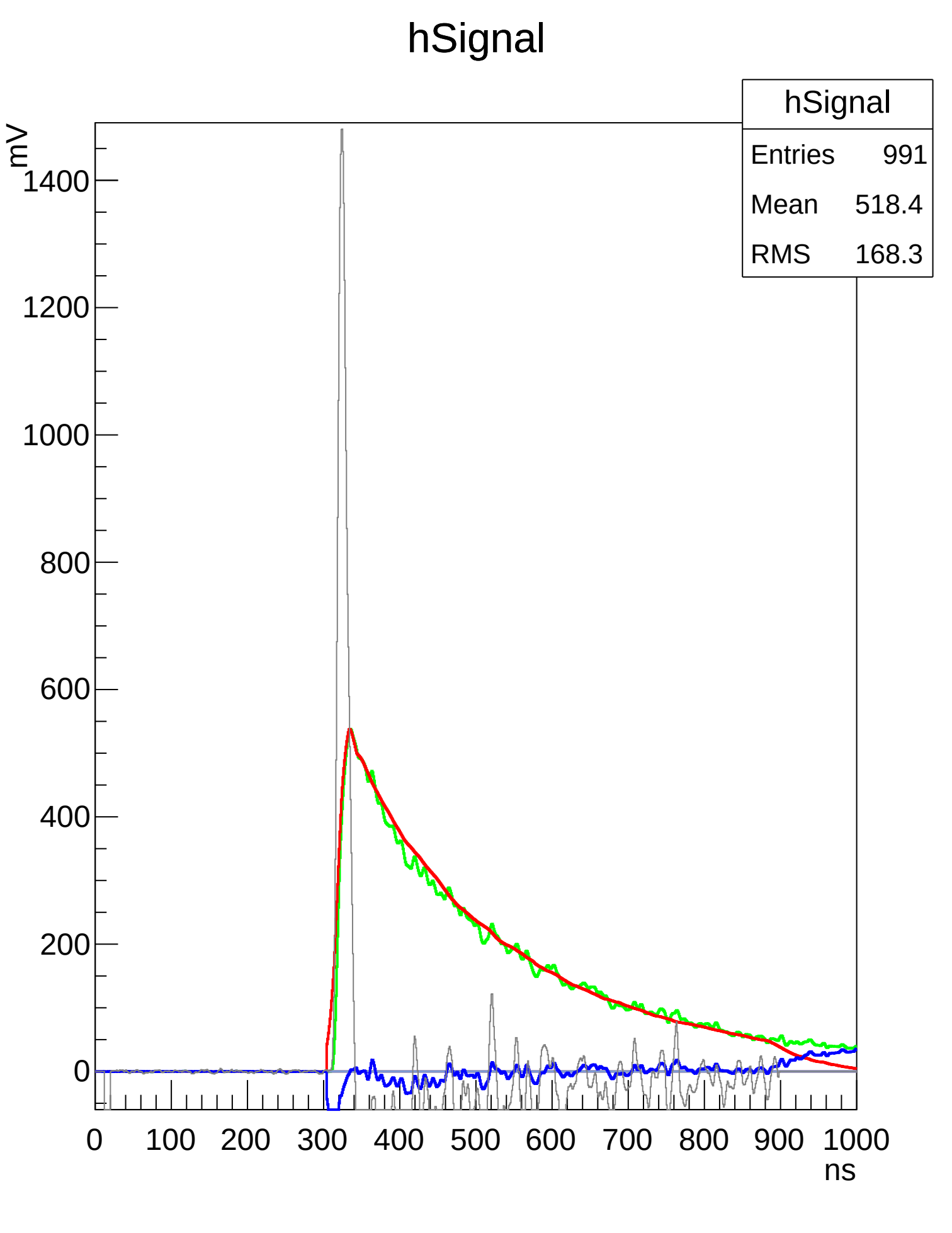
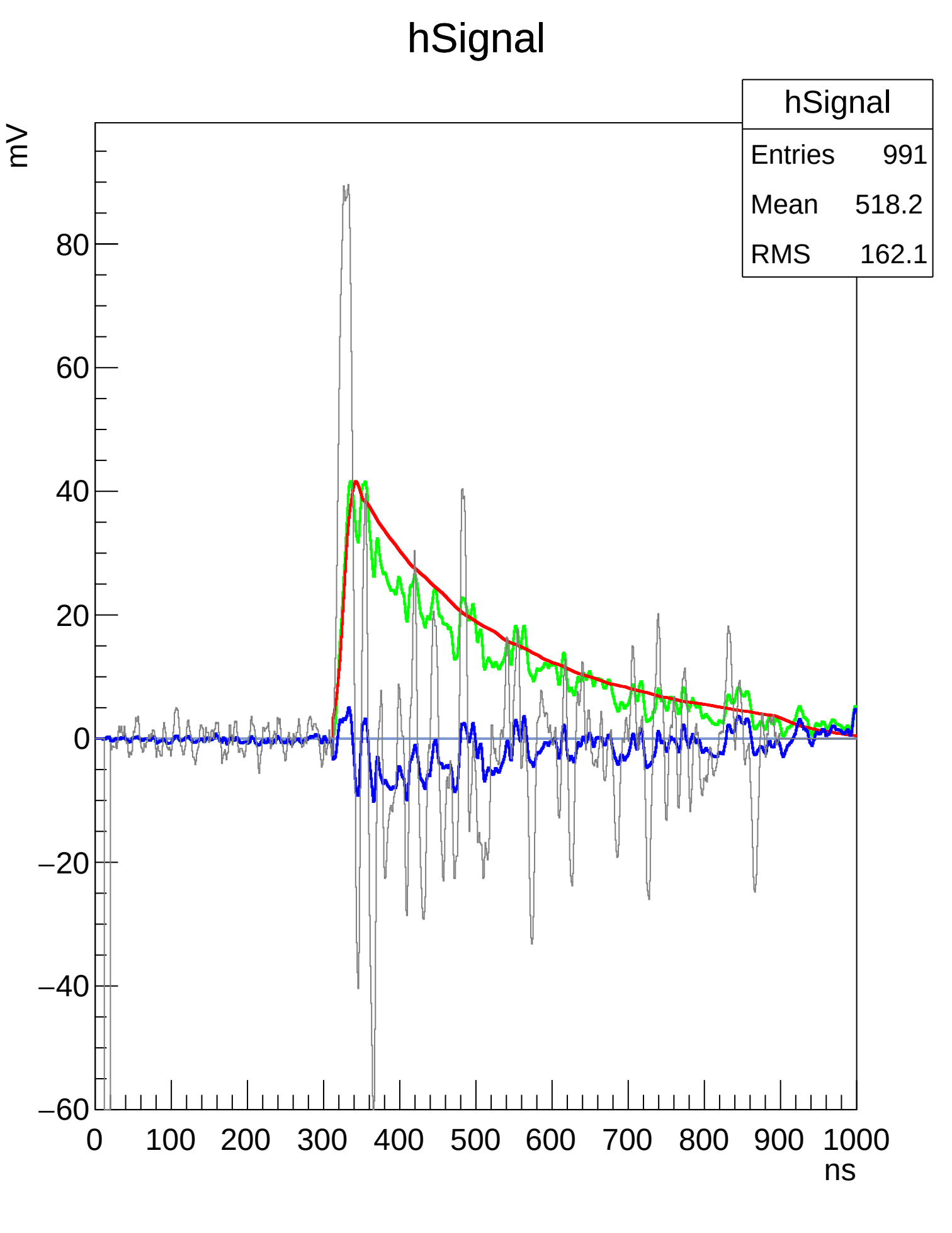
ns


hSignal
hSignal
Entries 991
Mean 518.4
RMS 168.3
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.2
RMS 162.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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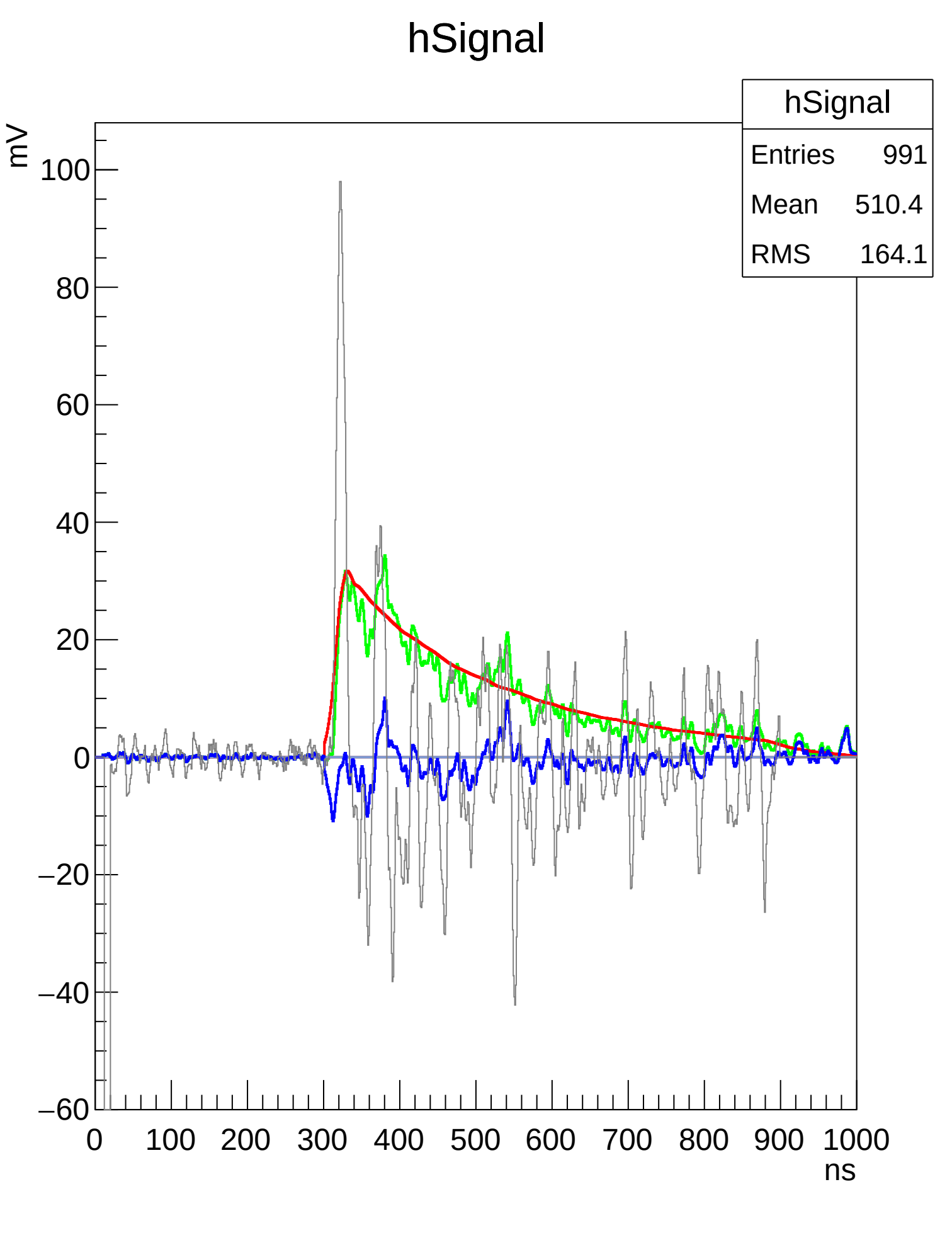
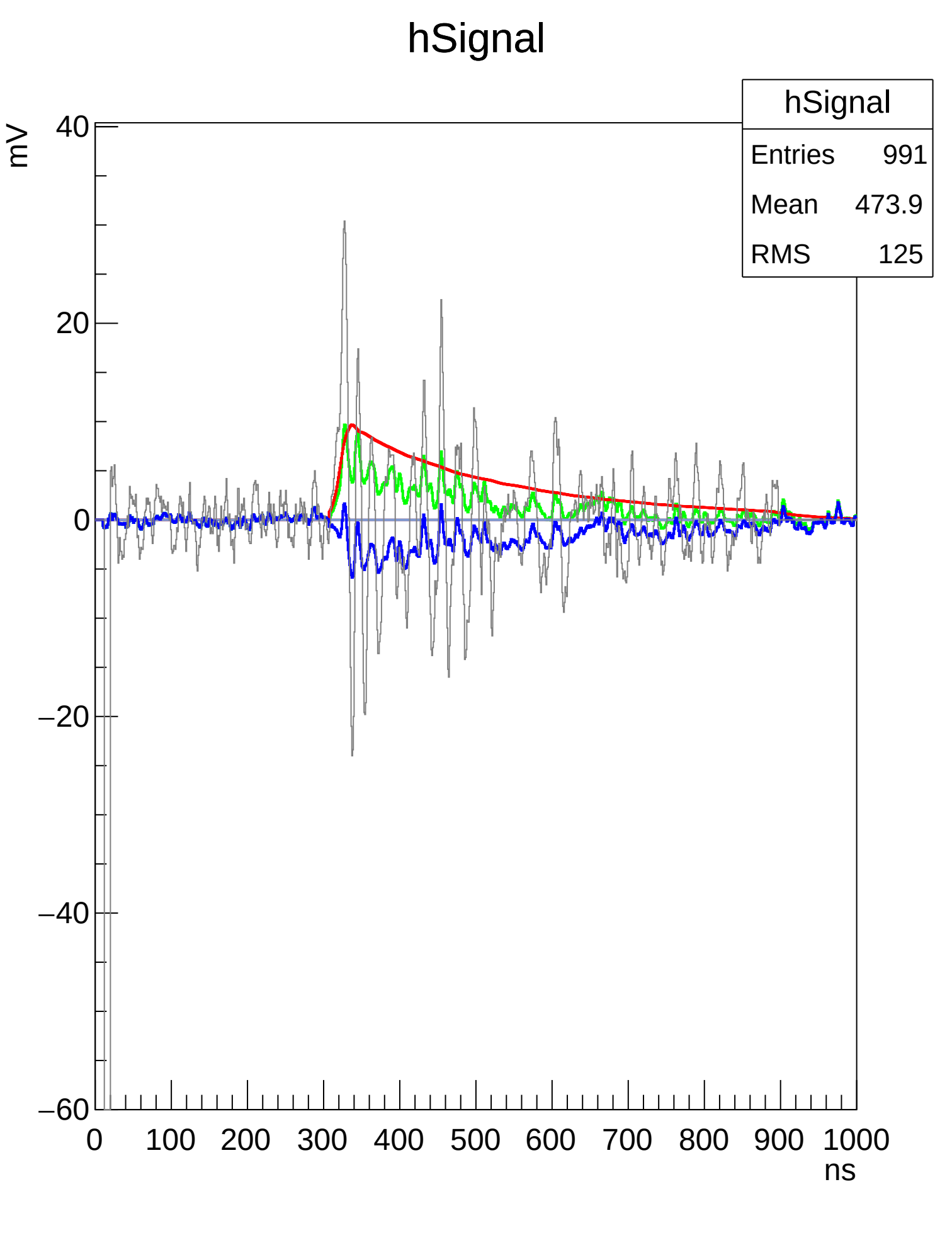
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.4
RMS 164.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns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hSignal
Entries 991
Mean 473.9
RMS 125
mV
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0
100
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700
800
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1000
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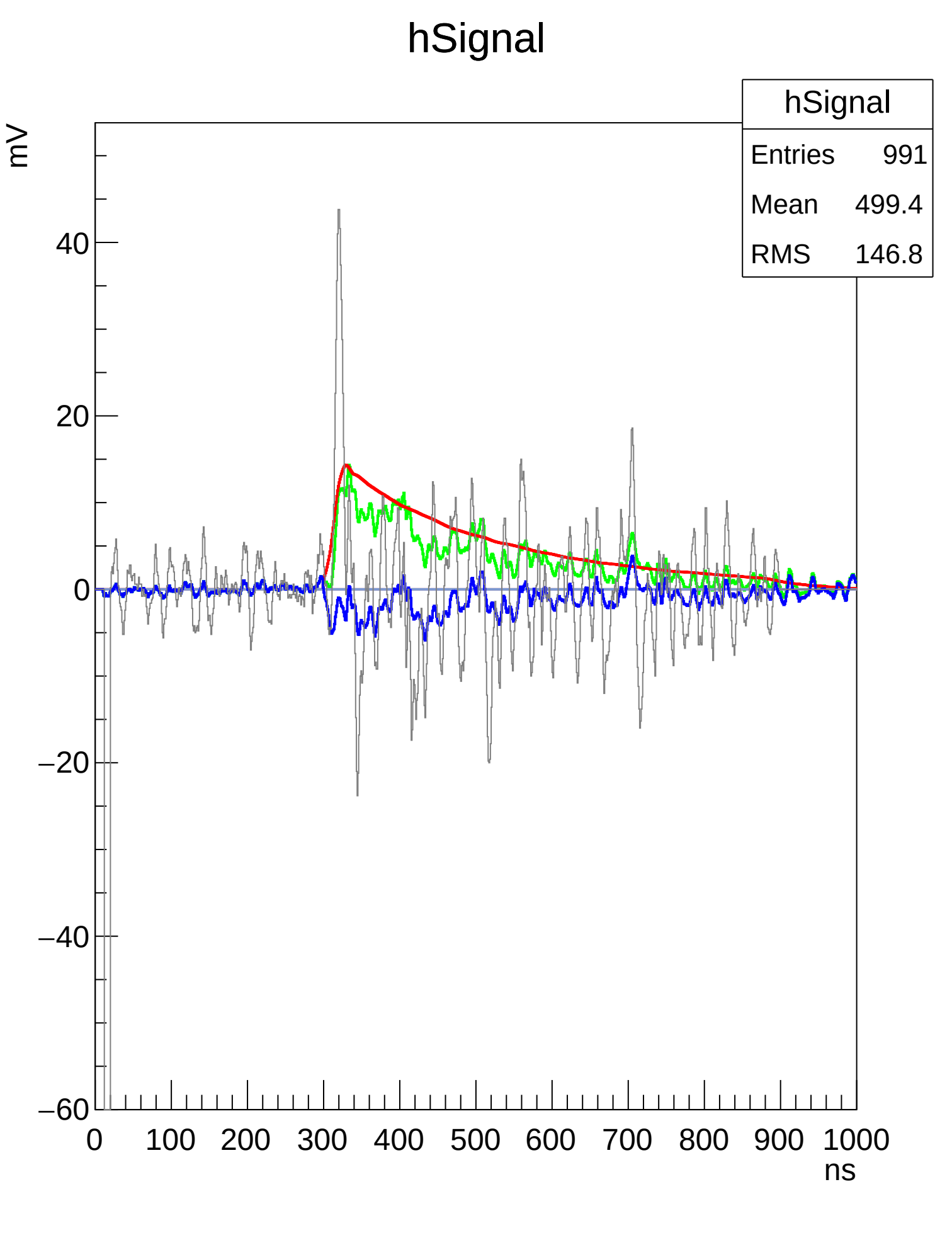
hSignal
hSignal
Entries 991
Mean 499.4
RMS 146.8
mV
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−20
−40
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0
100
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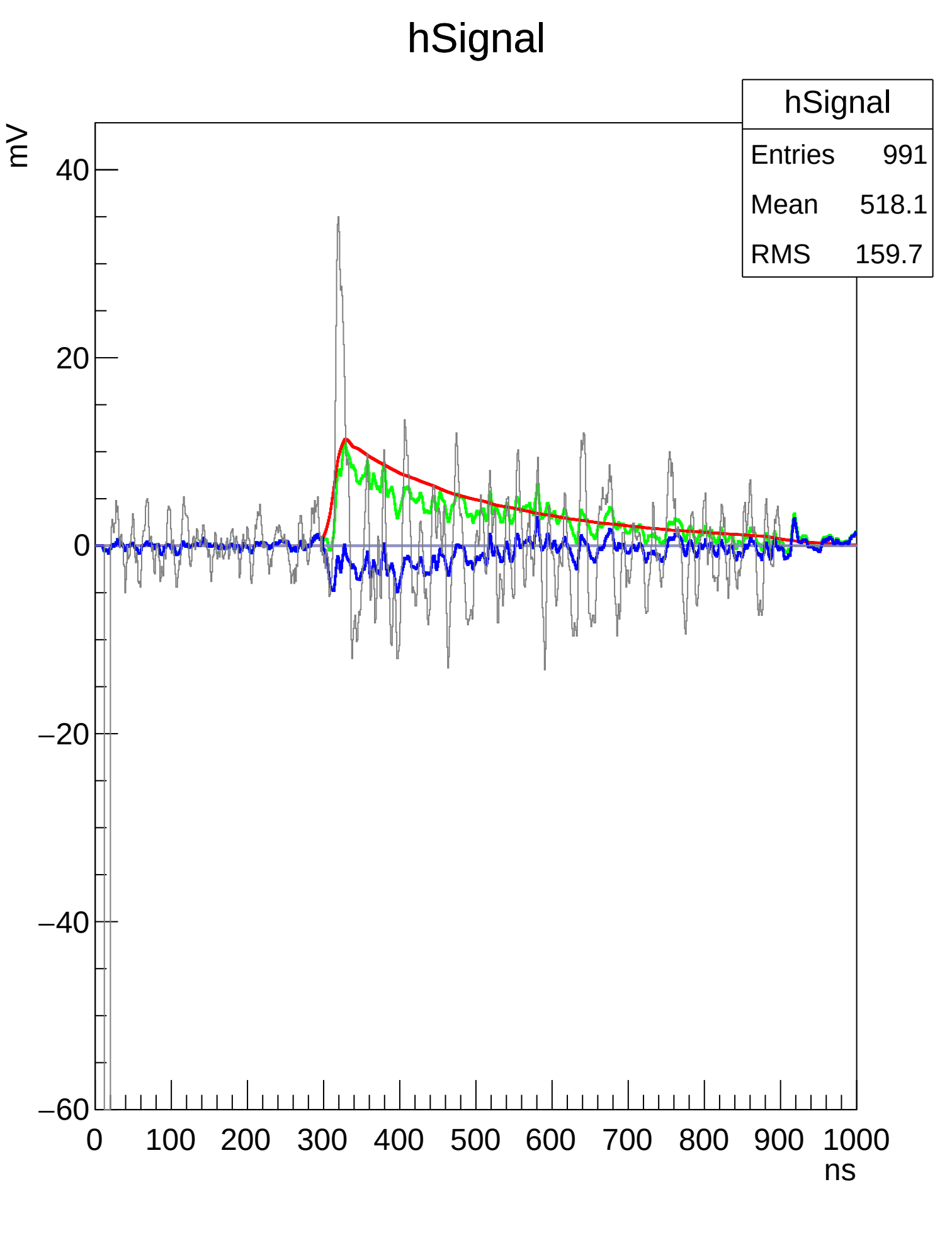
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.1
RMS 159.7
mV
40
20
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−20
−40
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0
100
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600
700
800
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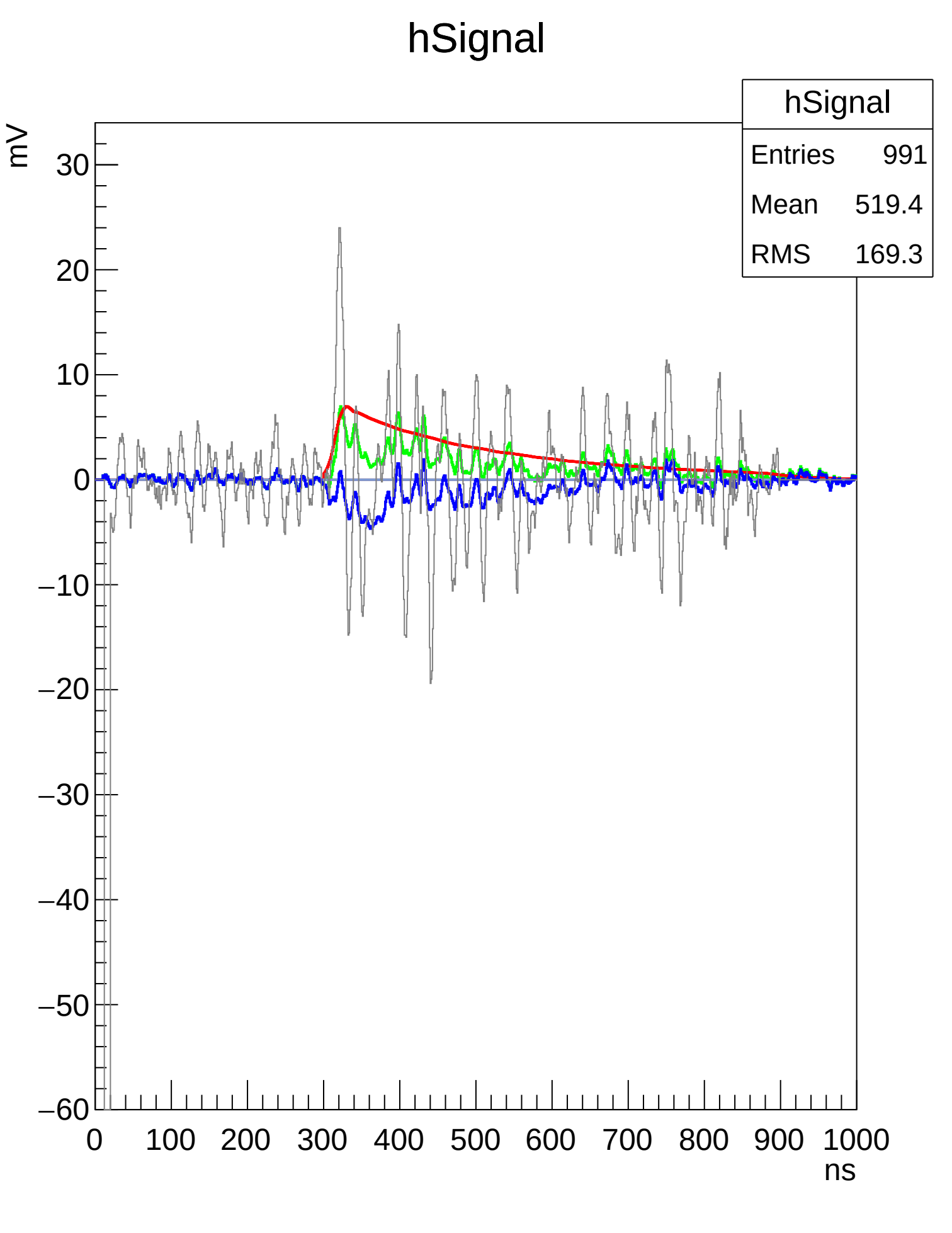
1000
ns


hSignal
hSignal
Entries 991
Mean 519.4
RMS 169.3
mV
30
20
10
0
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−40
−50
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0
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400
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800
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1000
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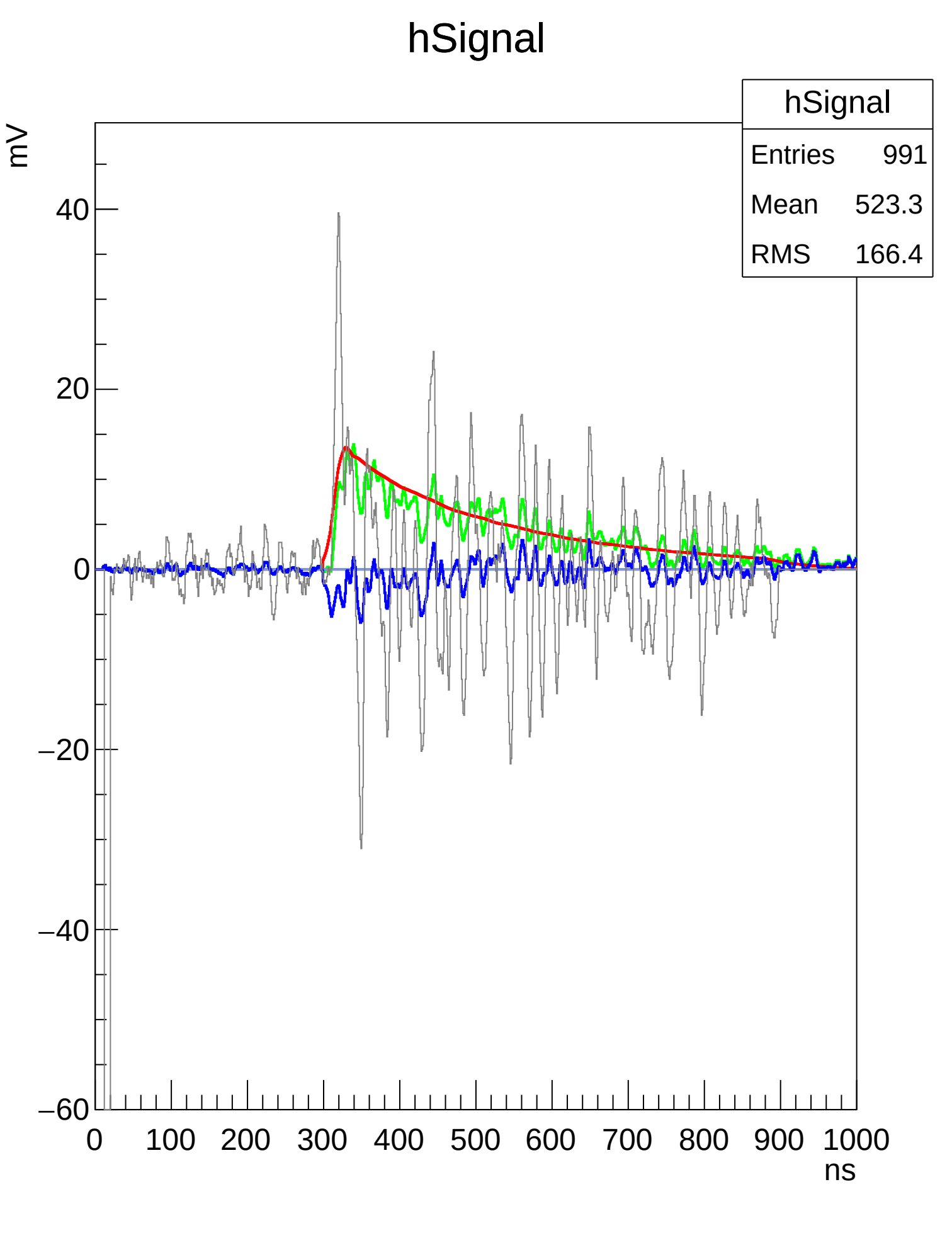
hSignal
hSignal
Entries 991
Mean 523.3
RMS 166.4
mV
40
20
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−20
−40
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0
100
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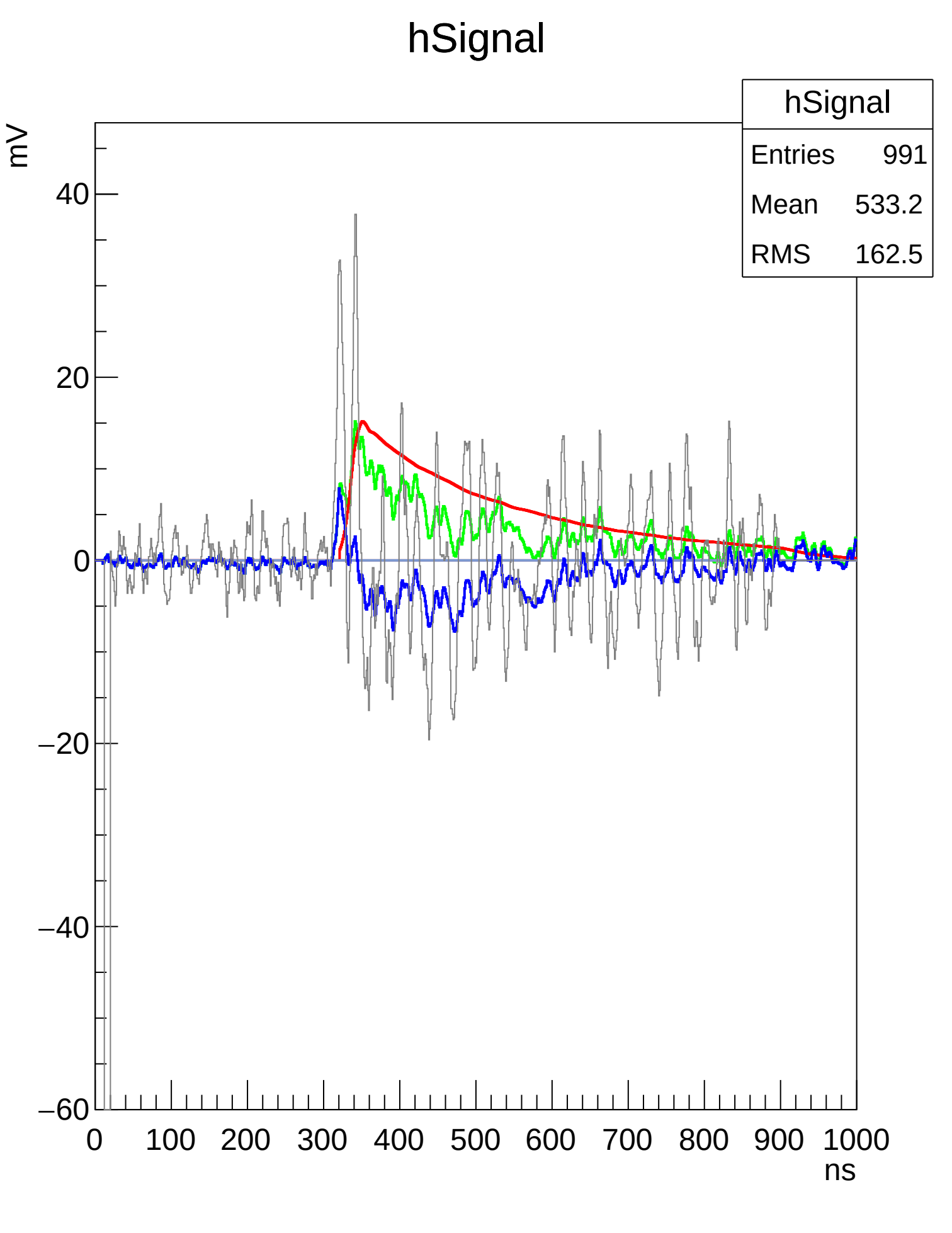
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.2
RMS 162.5
mV
40
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−20
−40
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0
100
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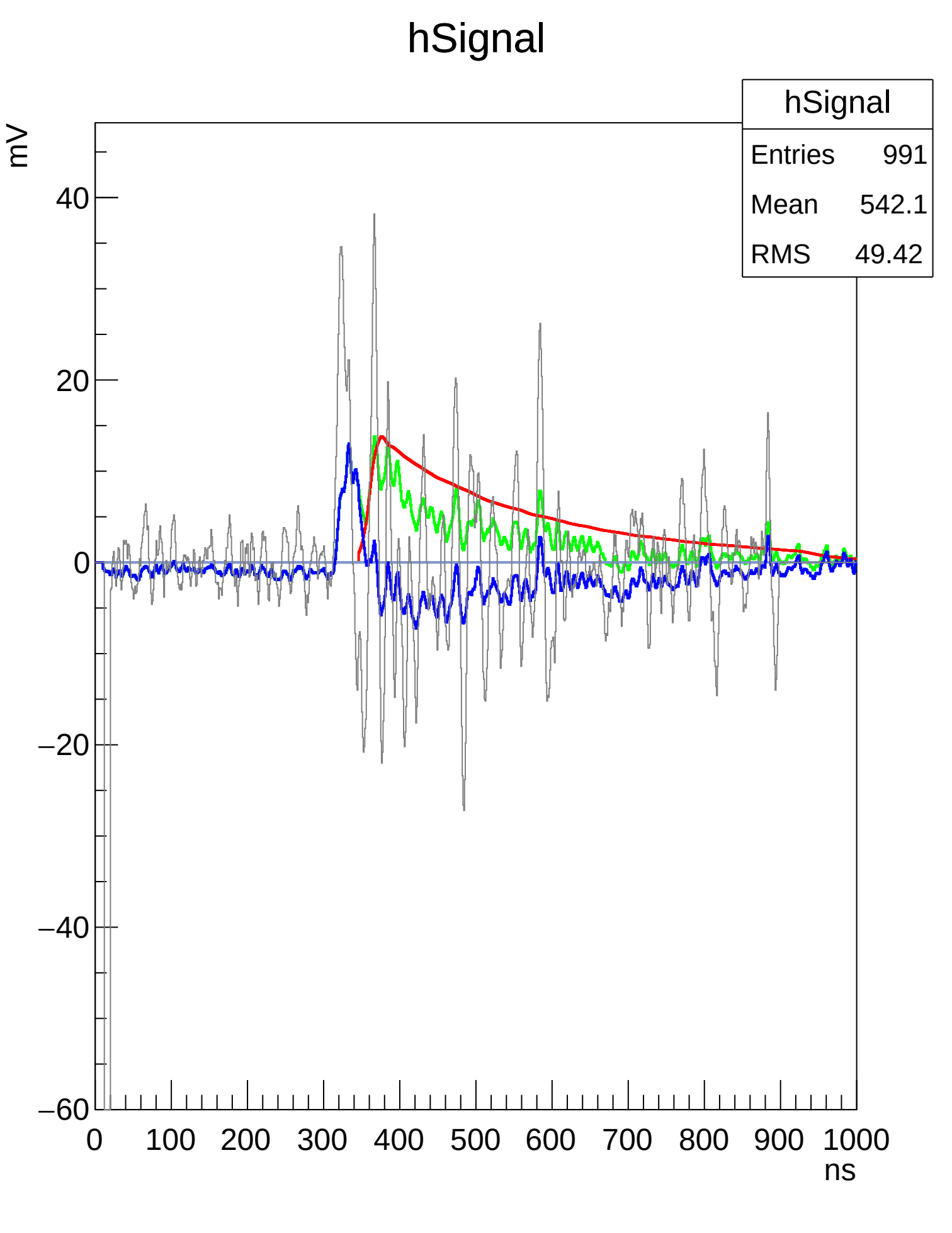
600
700
800
900
1000
ns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hSignal
Entries 991
Mean 542.1
RMS 49.42
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600
700
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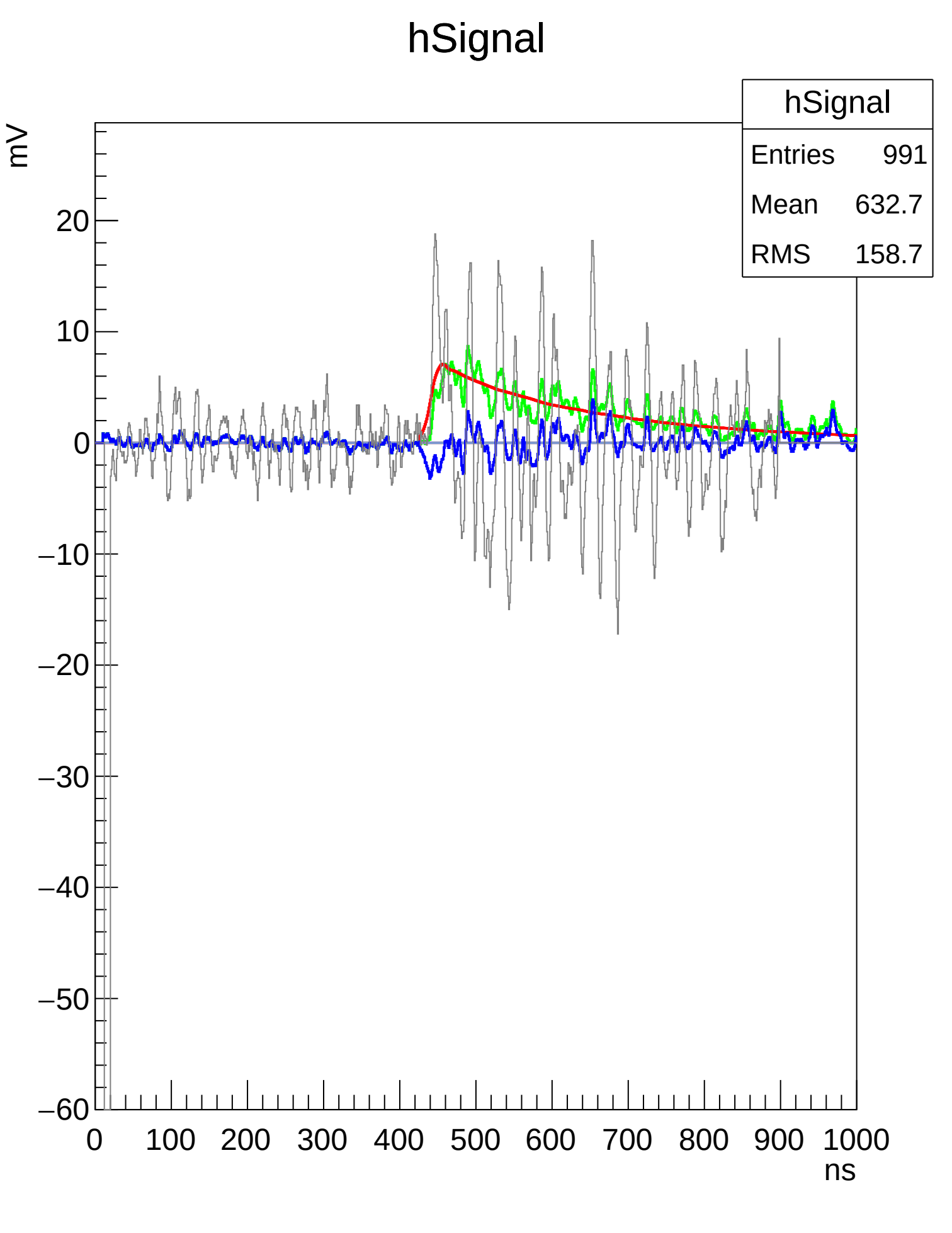
900
1000
ns


hSignal
hSignal
Entries 991
Mean 632.7
RMS 158.7
mV
20
10
0
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−40
−50
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0
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200
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400
500
600
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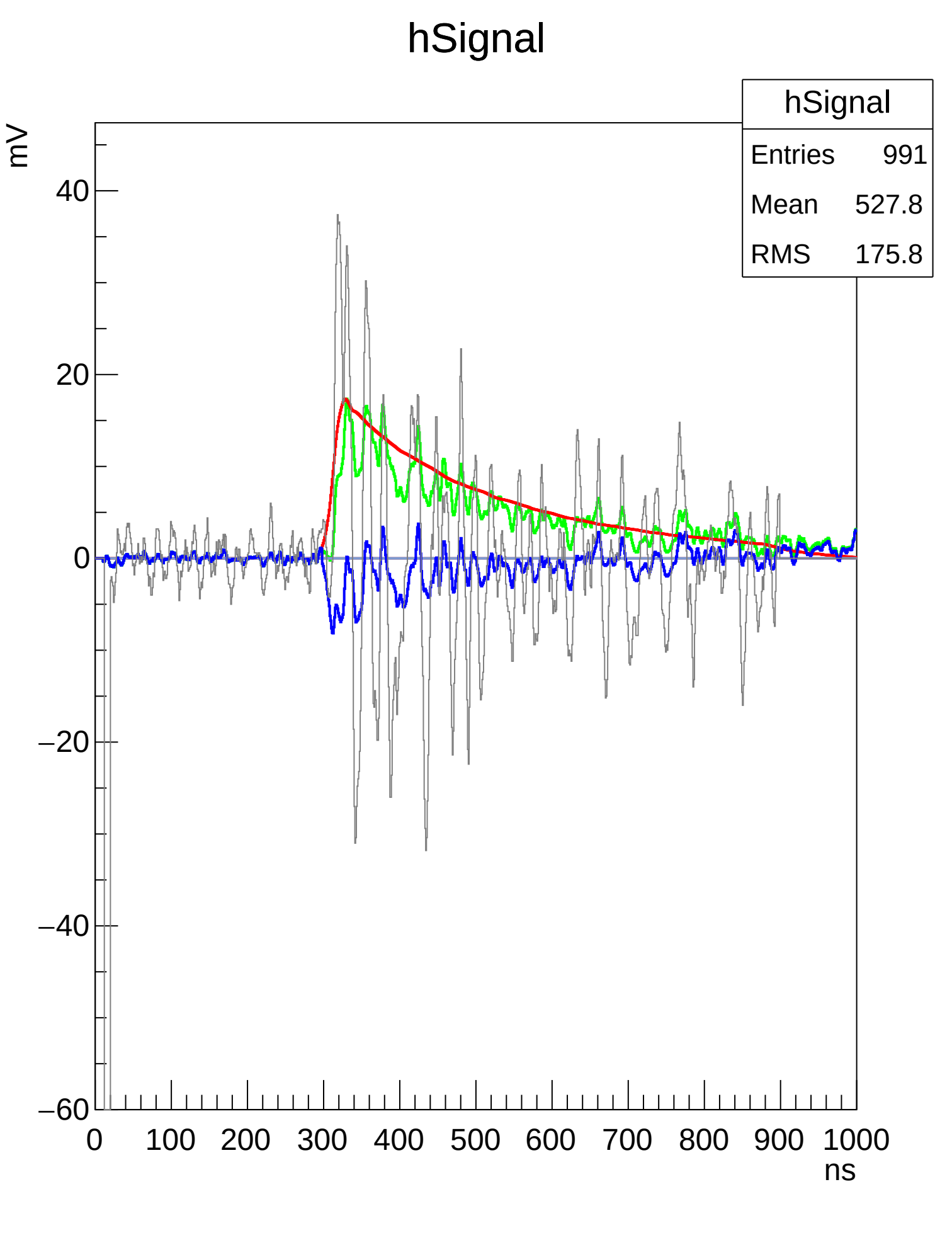
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.8
RMS 175.8
mV
40
20
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−20
−40
−60
0
100
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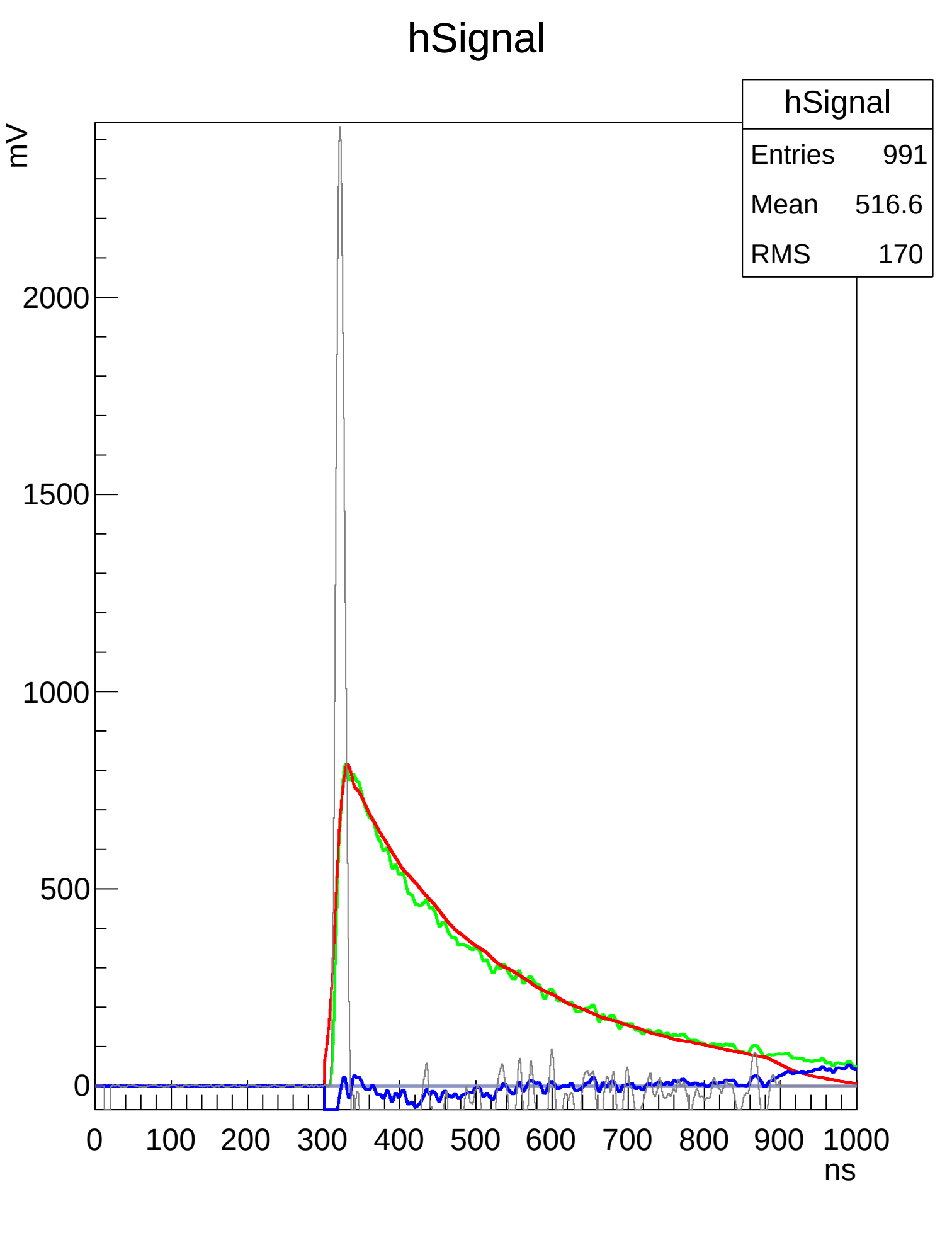
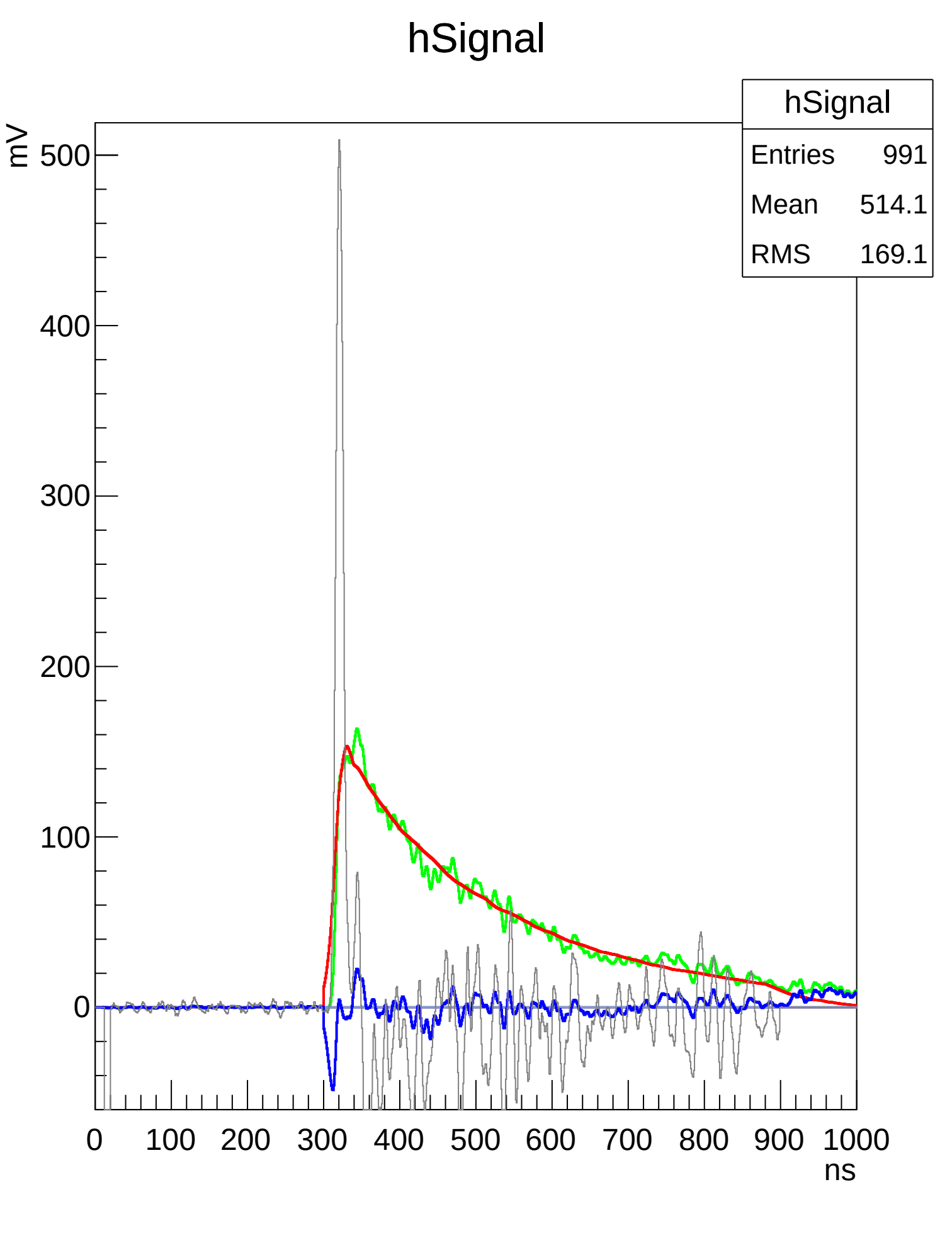
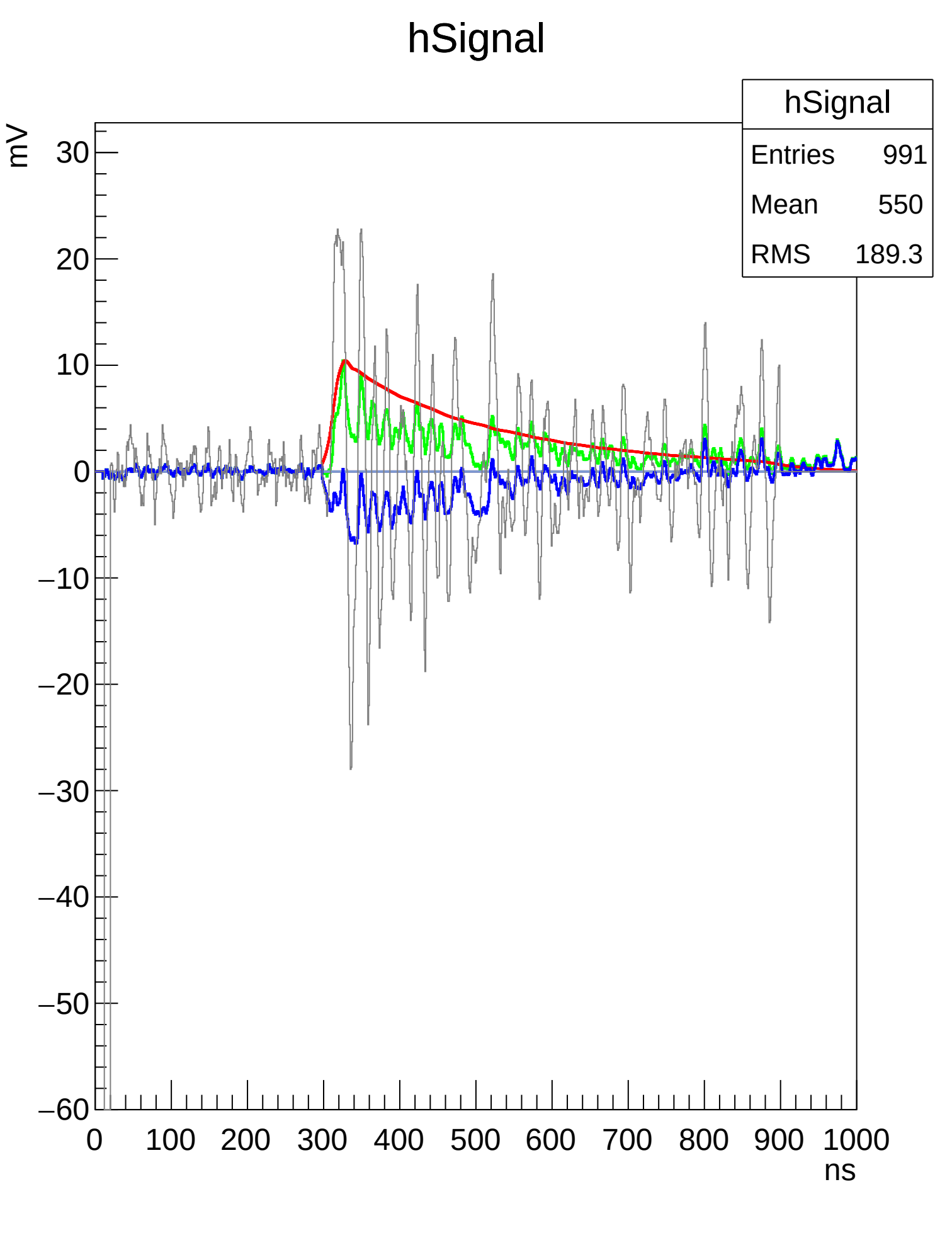
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.6
RMS 170
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 514.1
RMS 169.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550
RMS 189.3
mV
30
20
10
0
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−20
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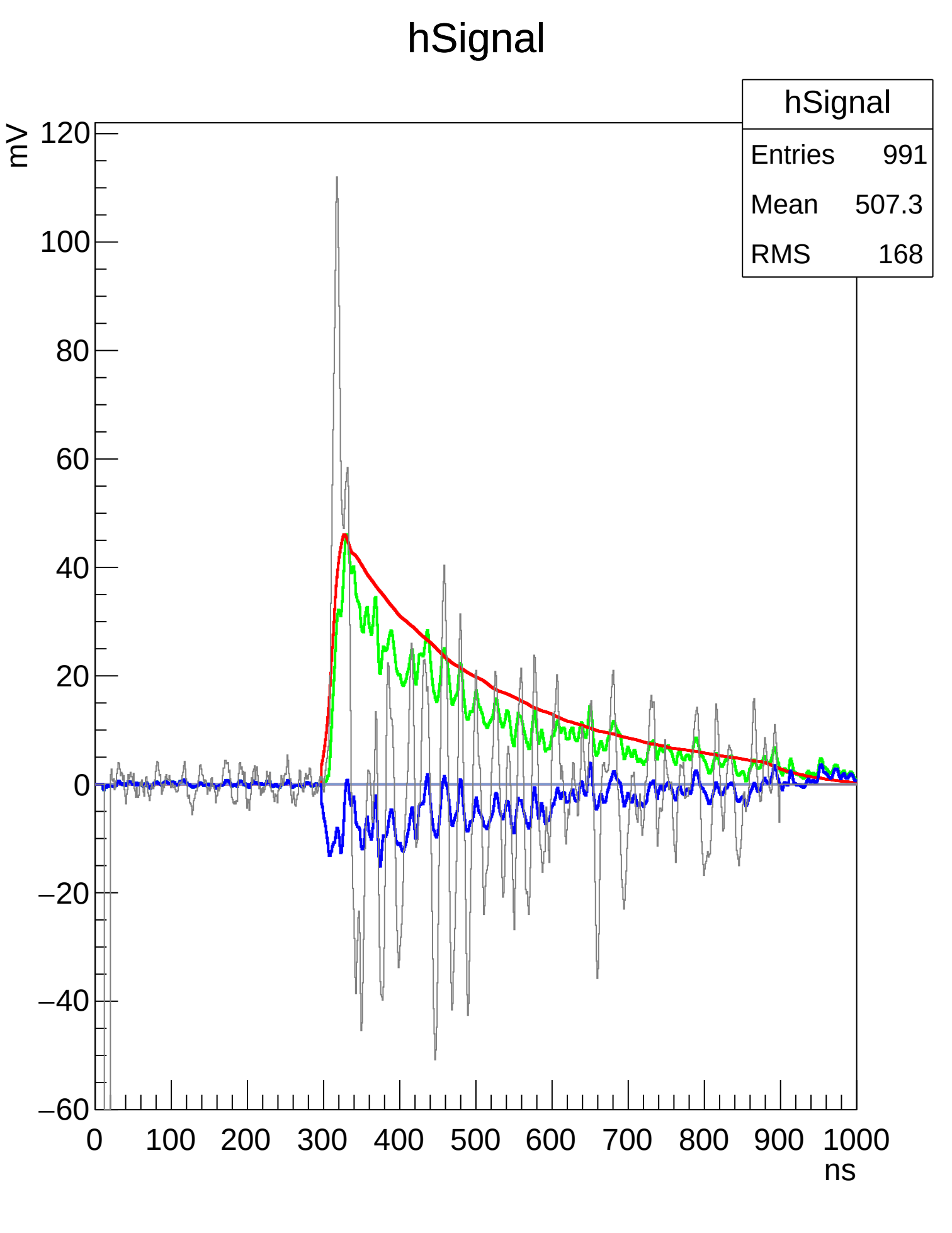
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.3
RMS 168
mV
120
100
80
60
40
20
0
−20
−40
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0
100
200
300
400
500
600
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800
900
1000
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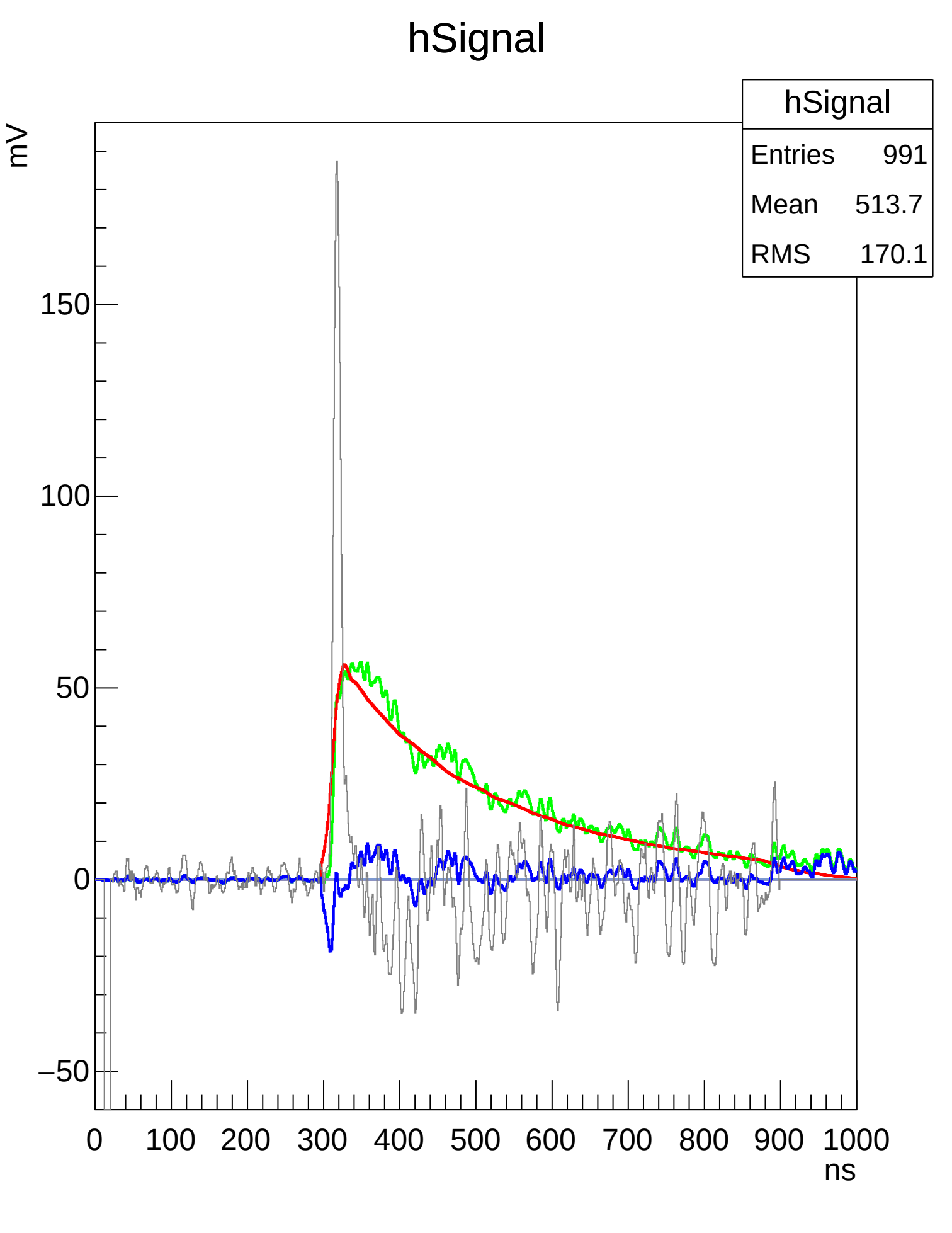
hSignal
hSignal
Entries 991
Mean 513.7
RMS 170.1
mV
150
100
50
0
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0
100
200
300
400
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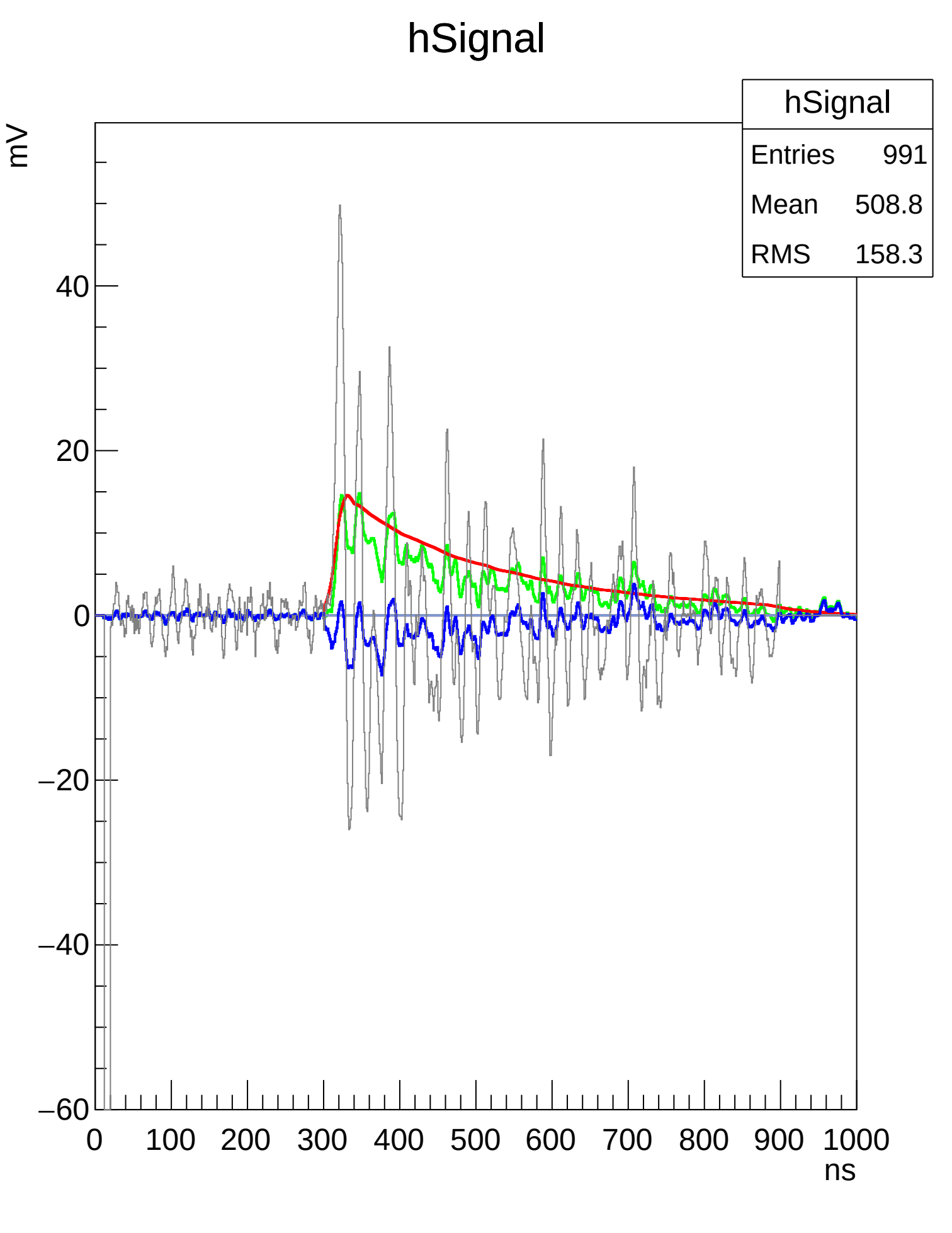
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.8
RMS 158.3
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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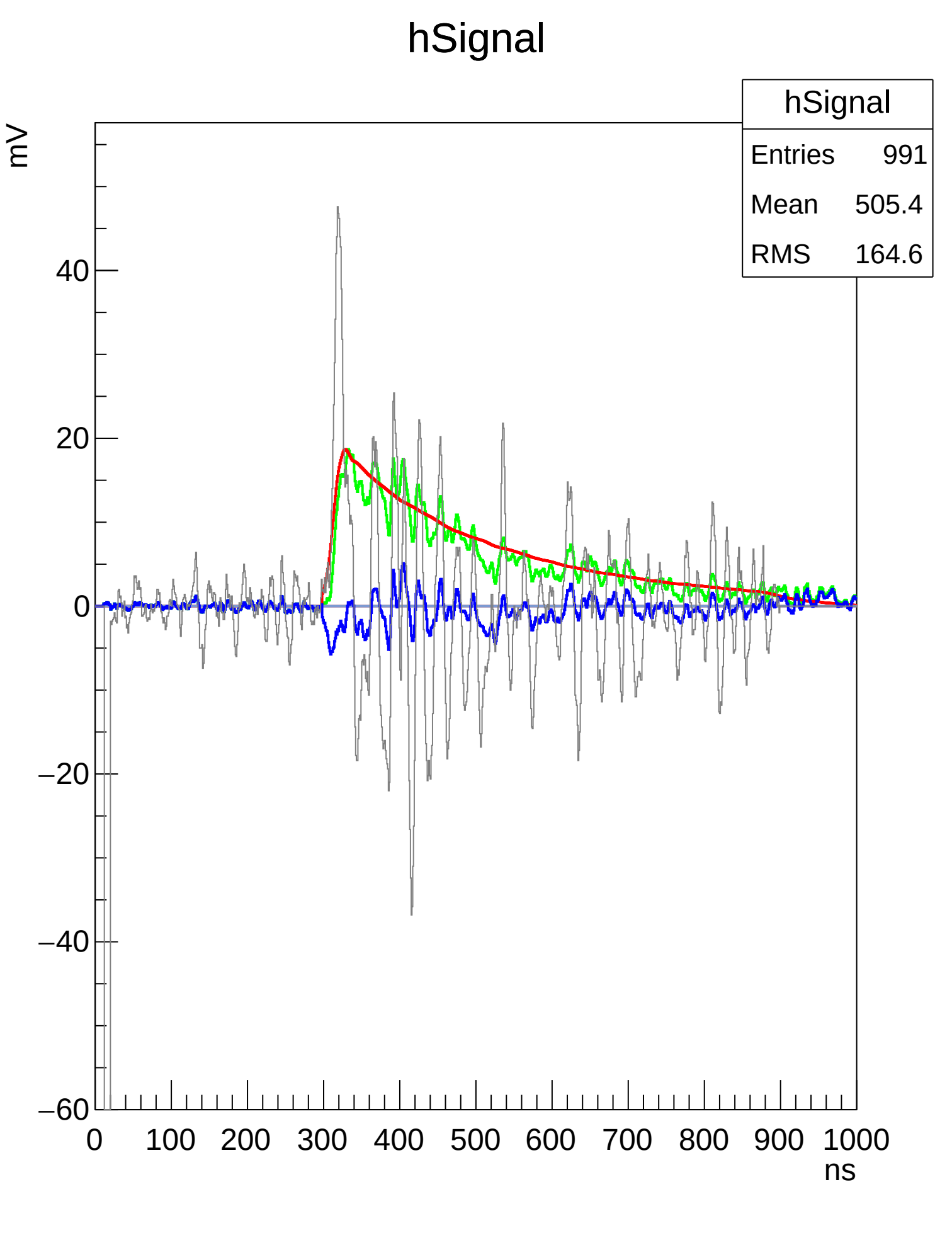
1000
ns


hSignal
hSignal
Entries 991
Mean 505.4
RMS 164.6
mV
40
20
0
−20
−40
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0
100
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1000
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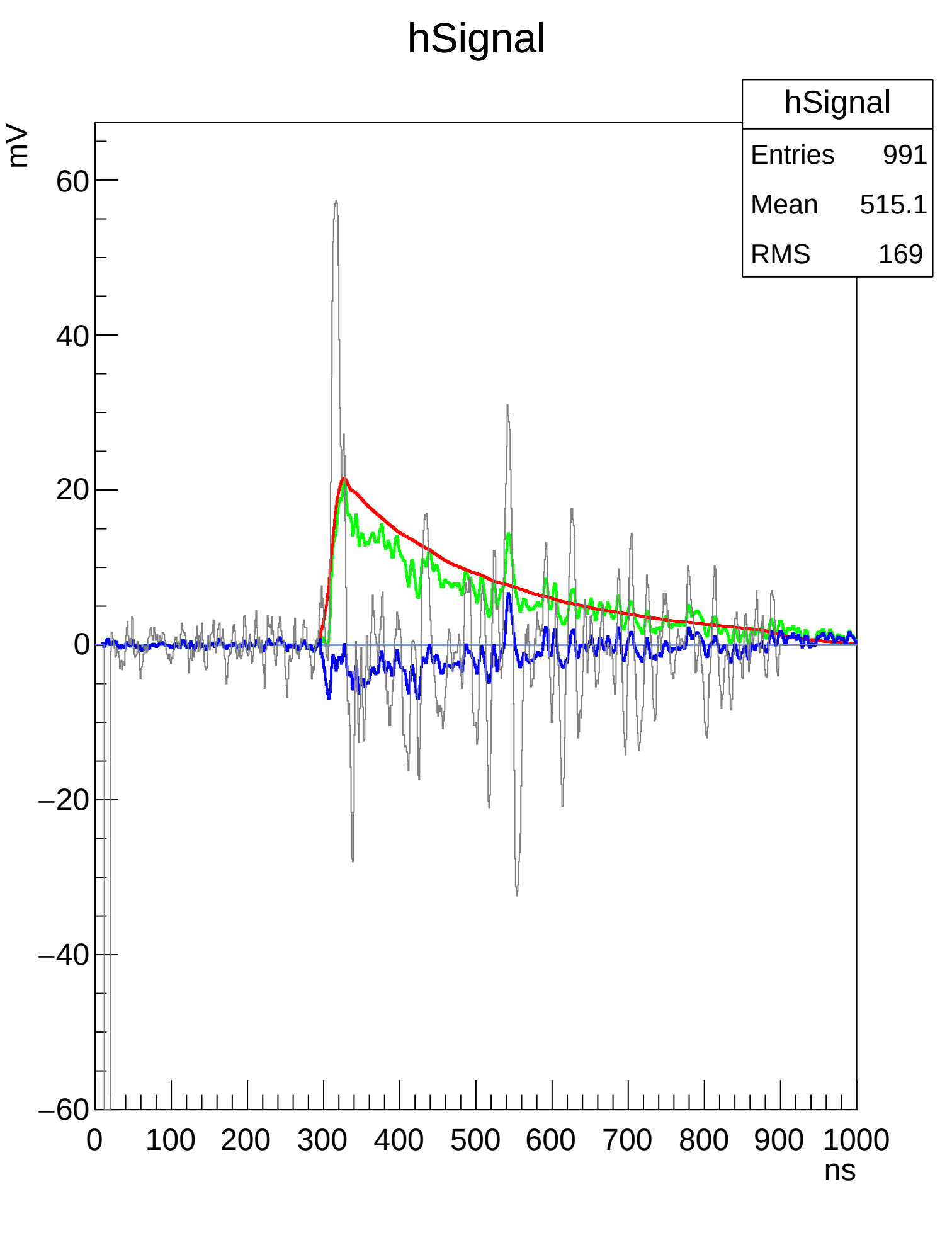
hSignal
hSignal
Entries 991
Mean 515.1
RMS 169
mV
60
40
20
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−20
−40
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0
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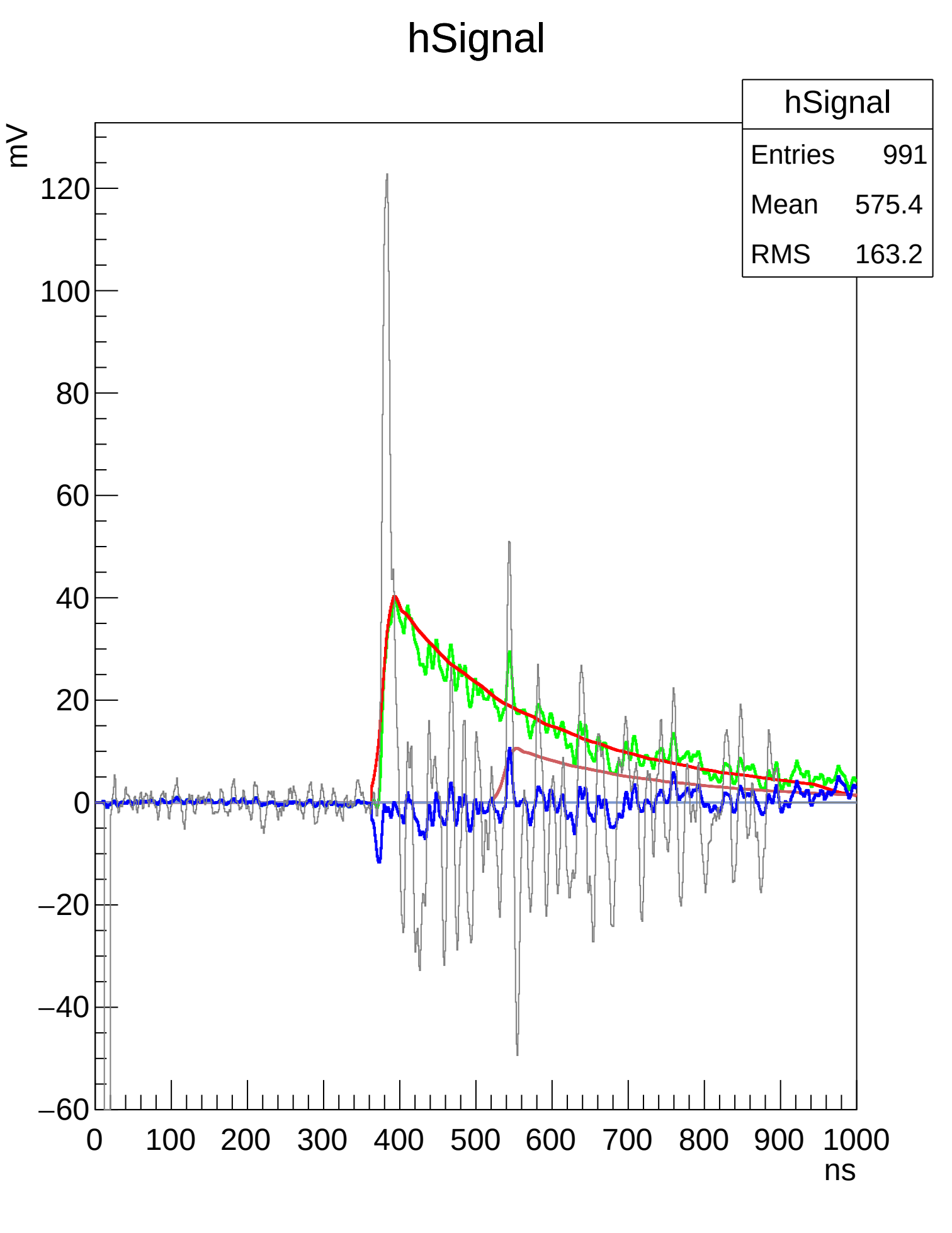
hSignal
hSignal
Entries 991
Mean 575.4
RMS 163.2
mV
120
100
80
60
40
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−20
−40
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0
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200
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400
500
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1000
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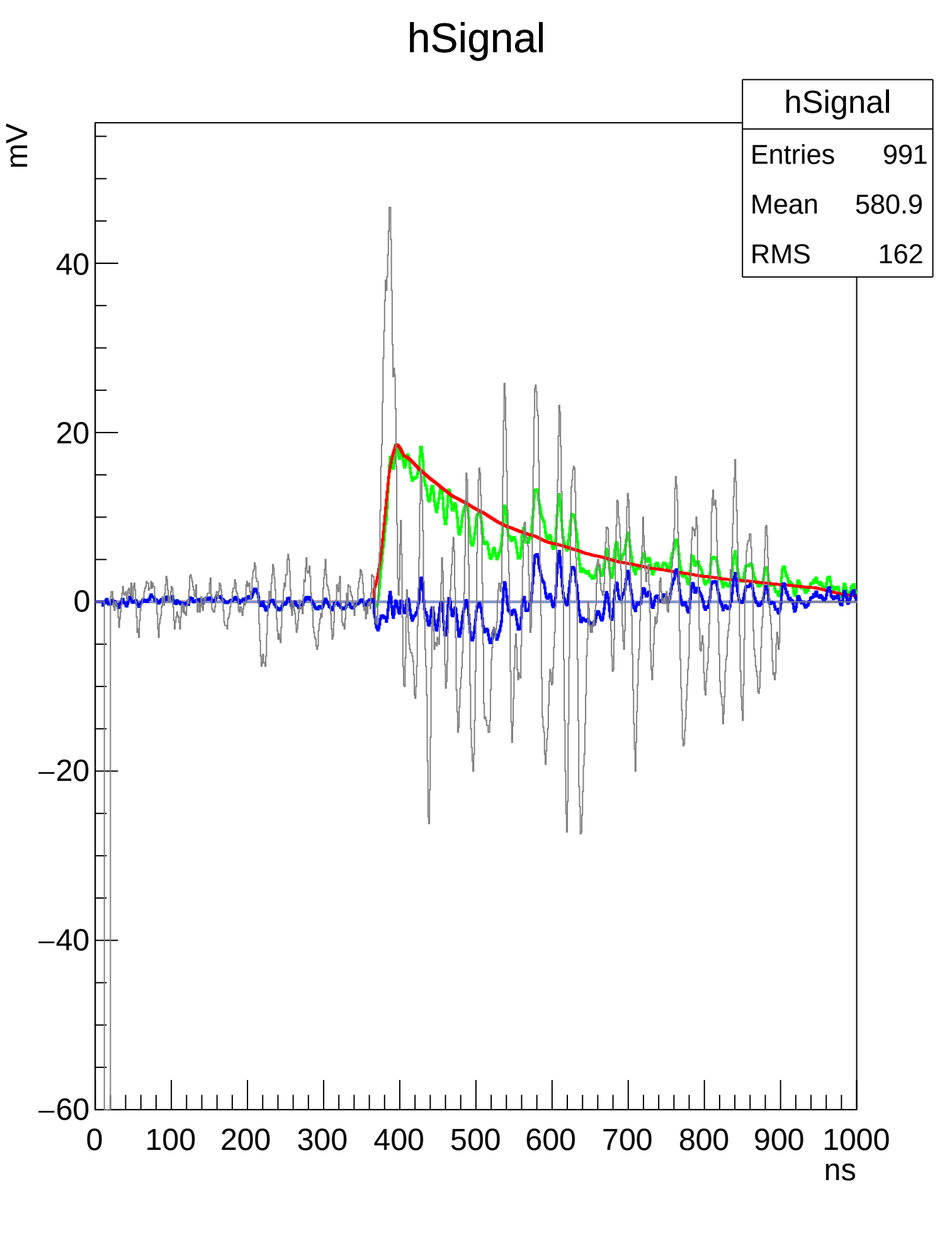
hSignal
hSignal
Entries 991
Mean 580.9
RMS 162
mV
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−20
−40
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0
100
200
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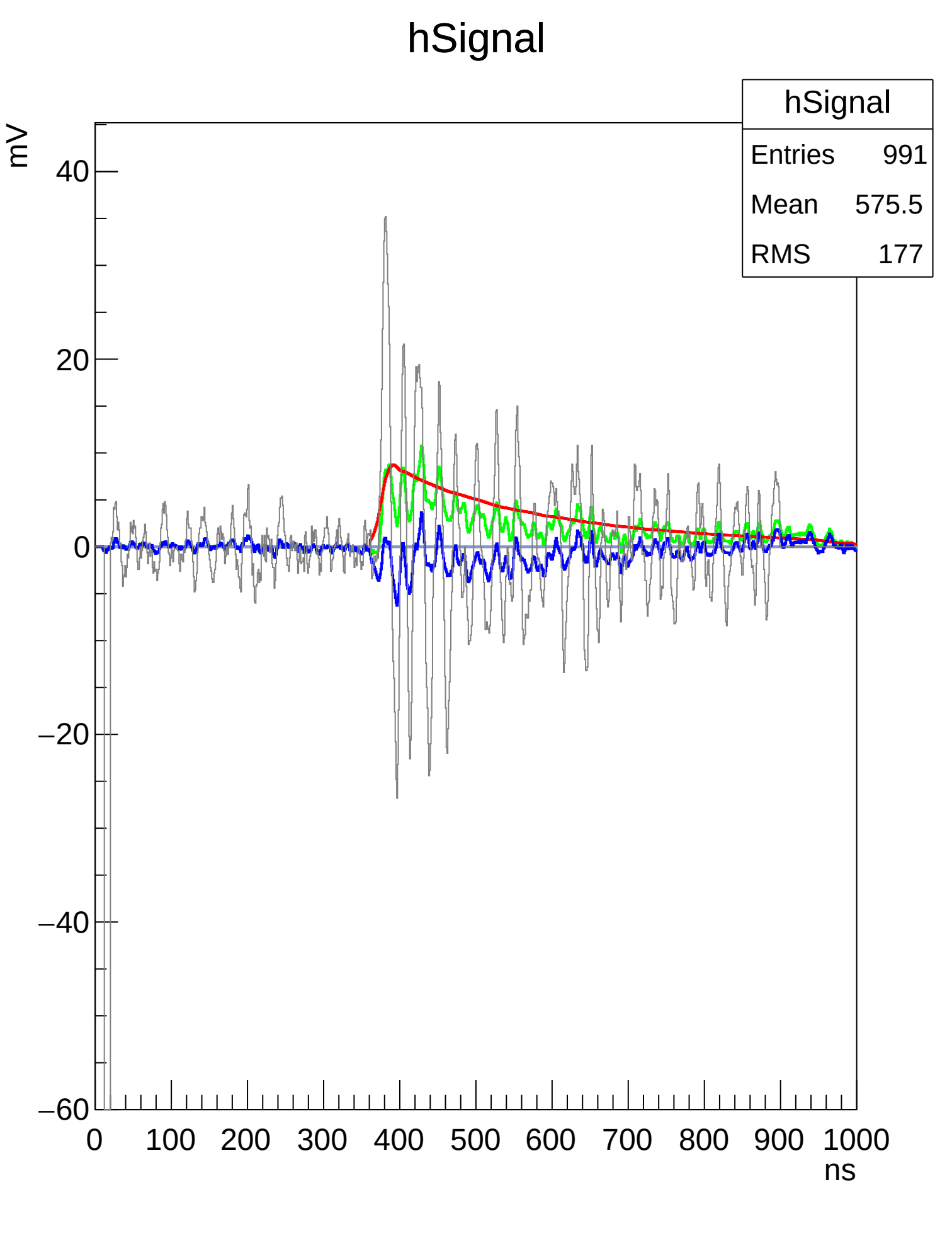
hSignal
hSignal
Entries 991
Mean 575.5
RMS 177
mV
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−20
−40
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0
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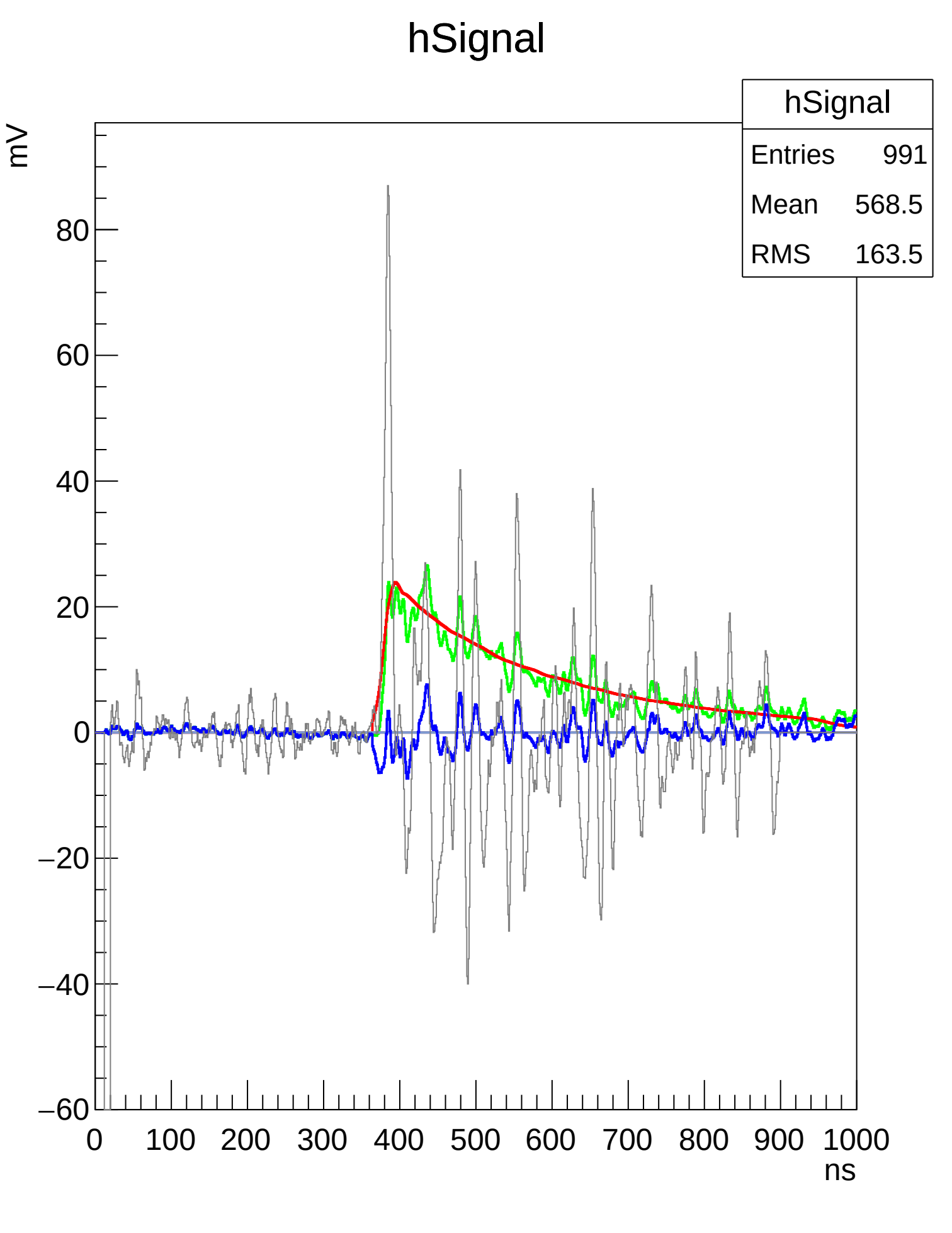
hSignal
hSignal
Entries 991
Mean 568.5
RMS 163.5
mV
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40
20
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0
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200
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400
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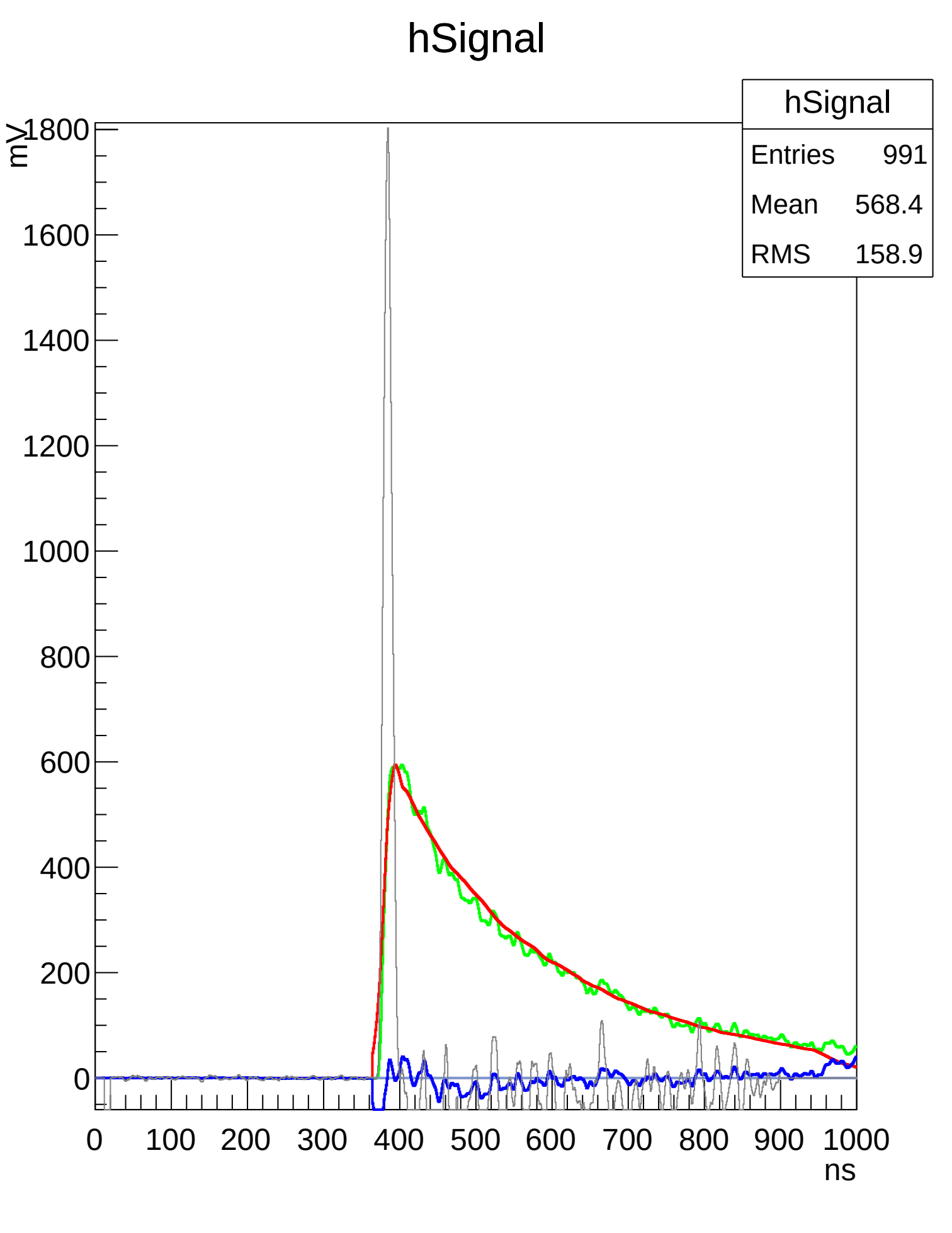
hSignal
hSignal
Entries 991
Mean 568.4
RMS 158.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
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400
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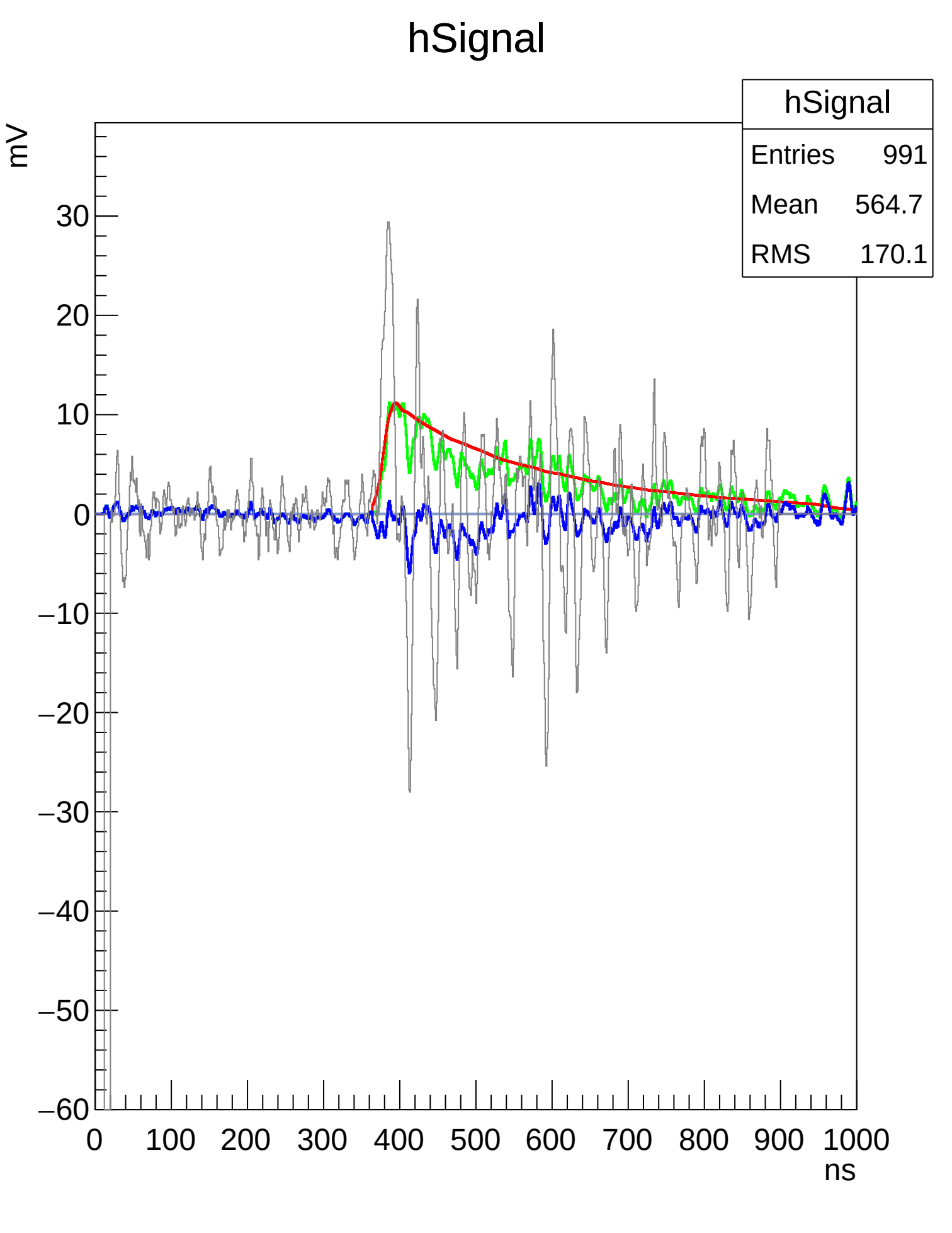
hSignal
hSignal
Entries 991
Mean 564.7
RMS 170.1
mV
30
20
10
0
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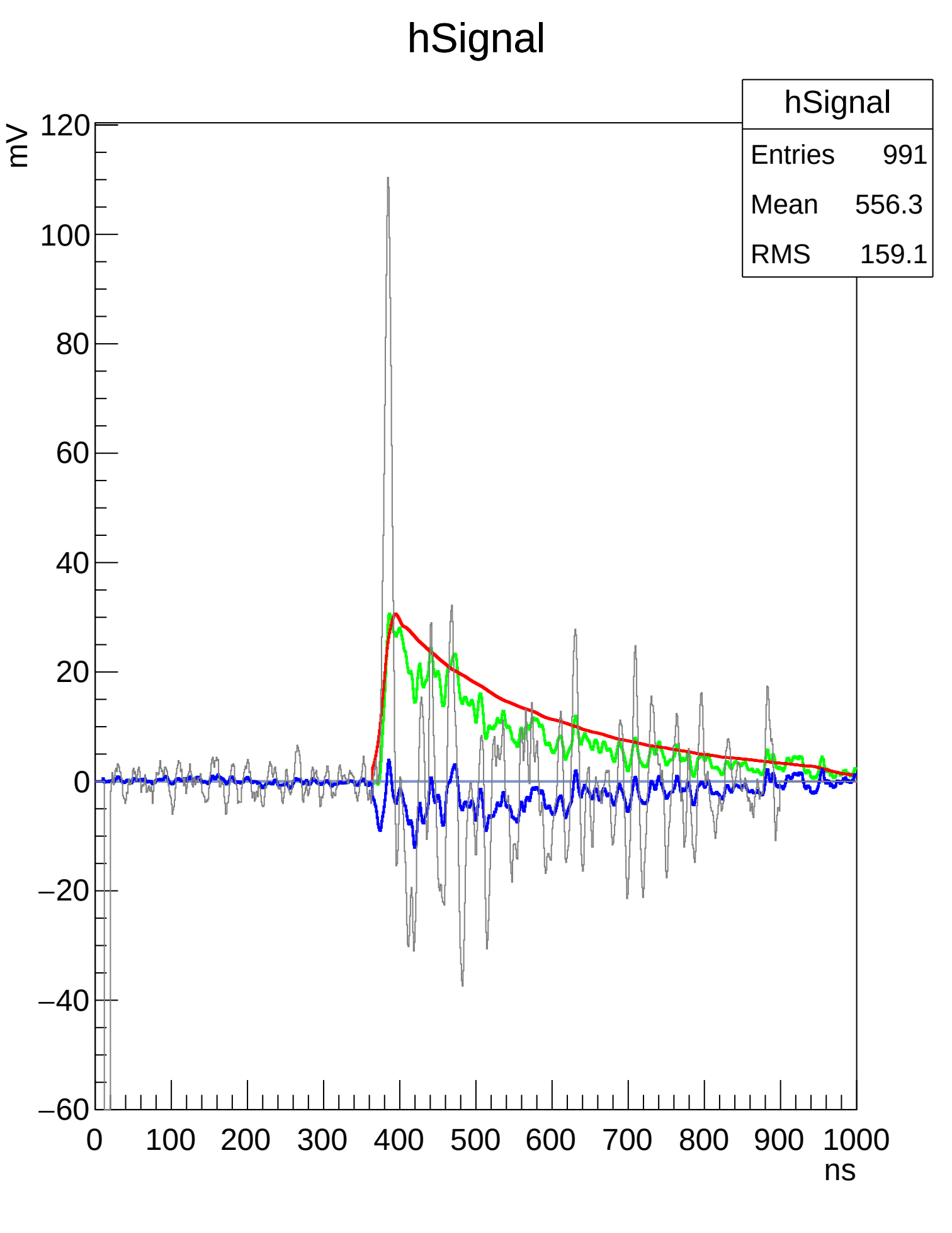
hSignal
hSignal
Entries 991
Mean 556.3
RMS 159.1
mV
120
100
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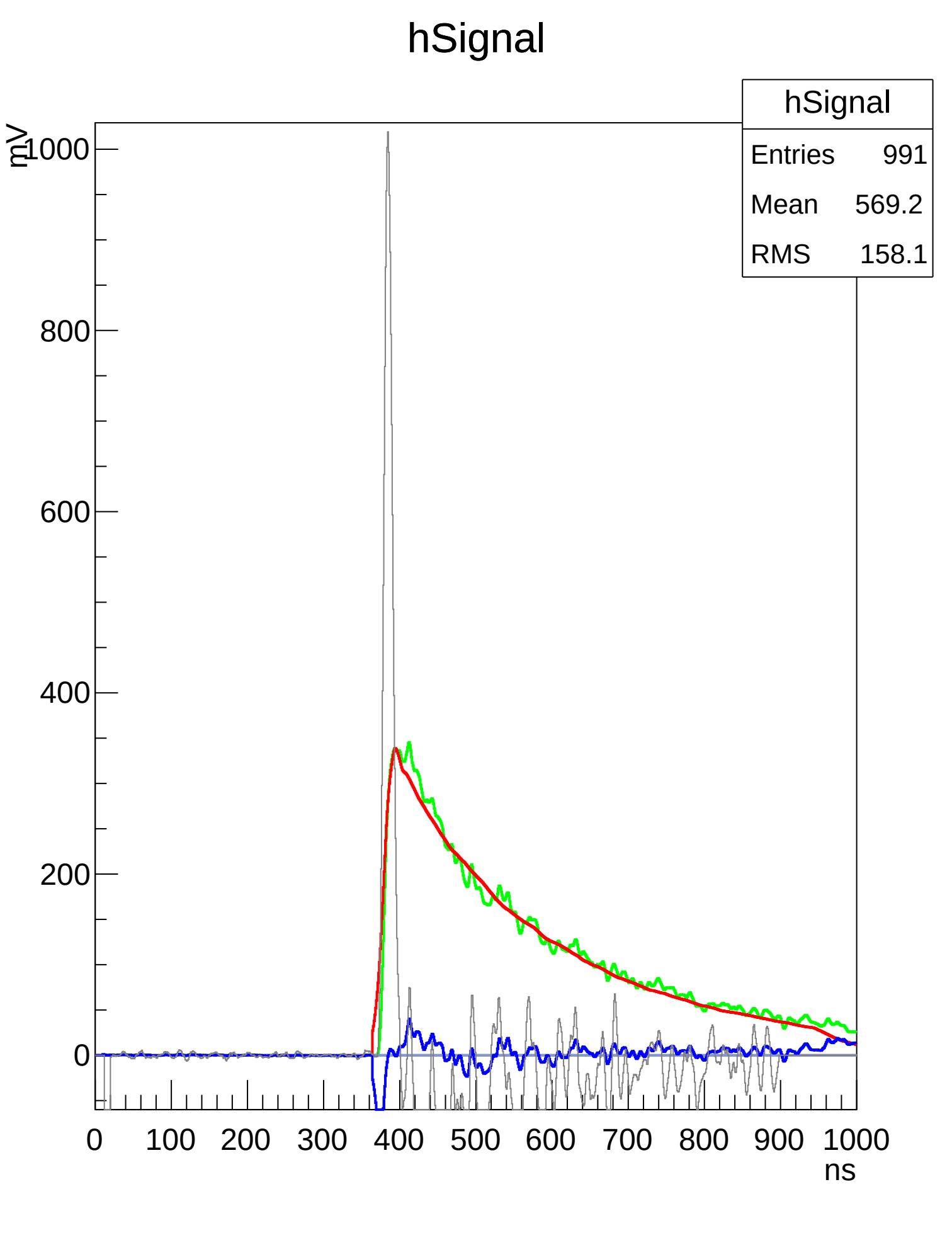
hSignal
hSignal
Entries 991
Mean 569.2
RMS 158.1
mV
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600
400
200
0
0
100
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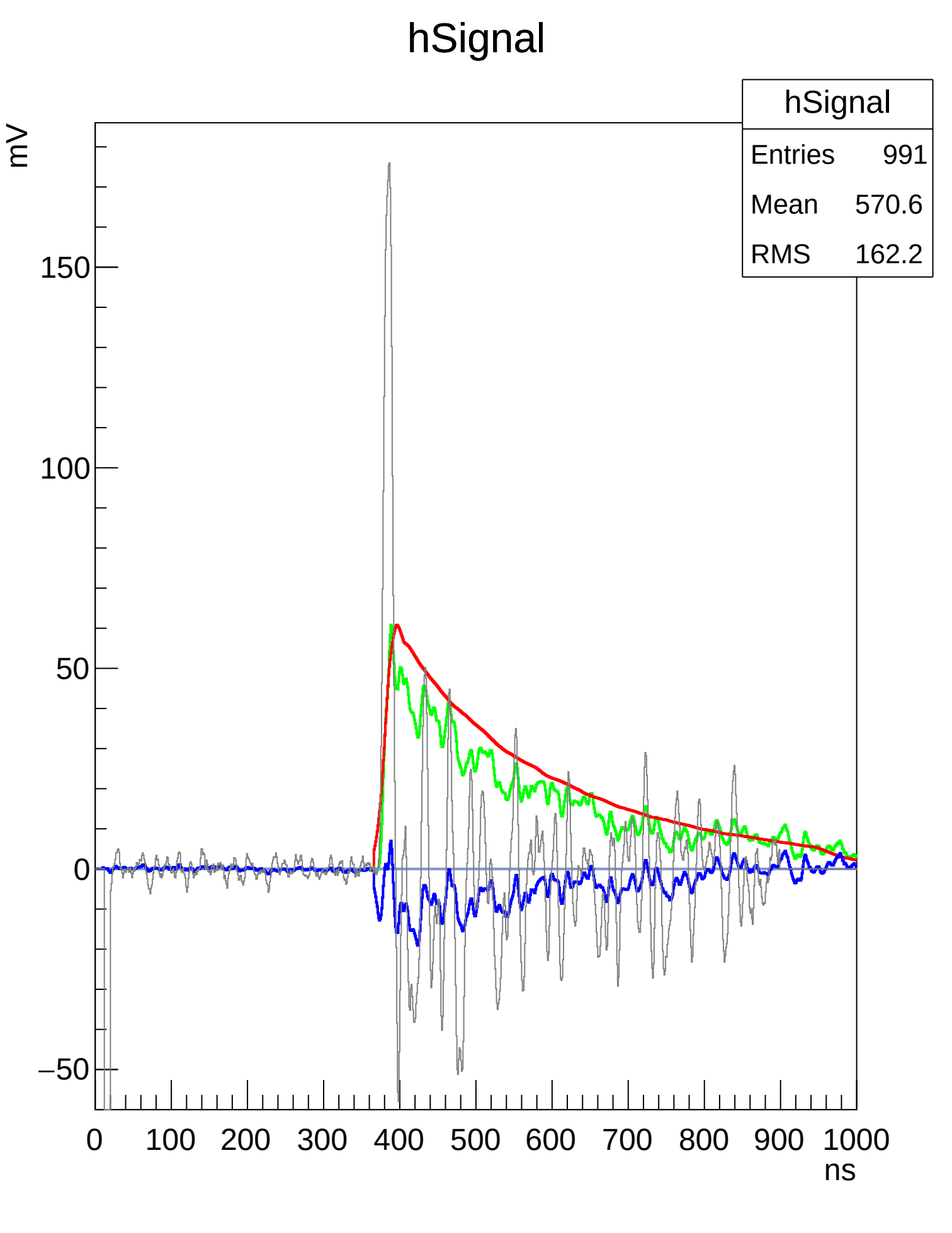
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 162.2
mV
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0
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800
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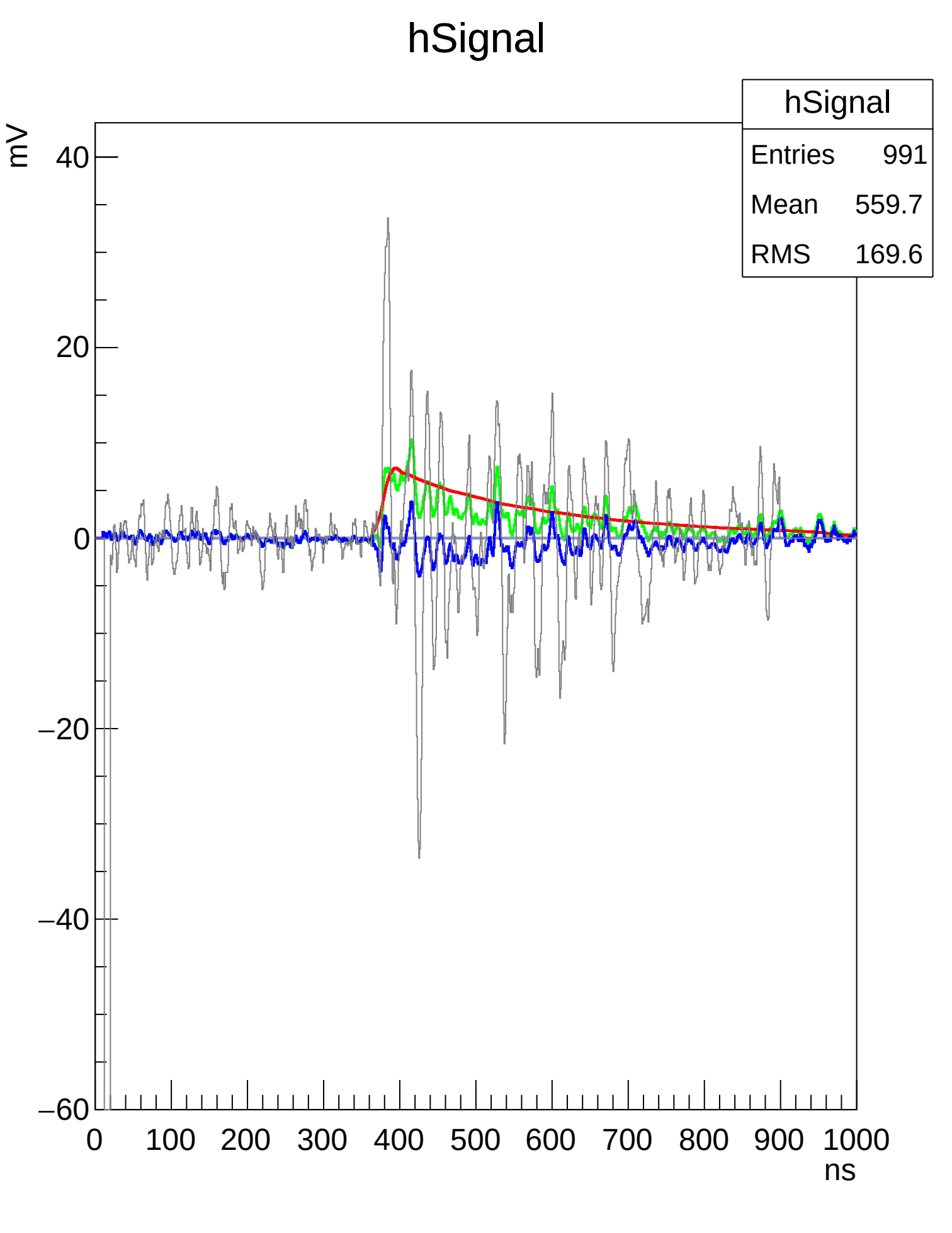
1000
ns


hSignal
hSignal
Entries 991
Mean 559.7
RMS 169.6
mV
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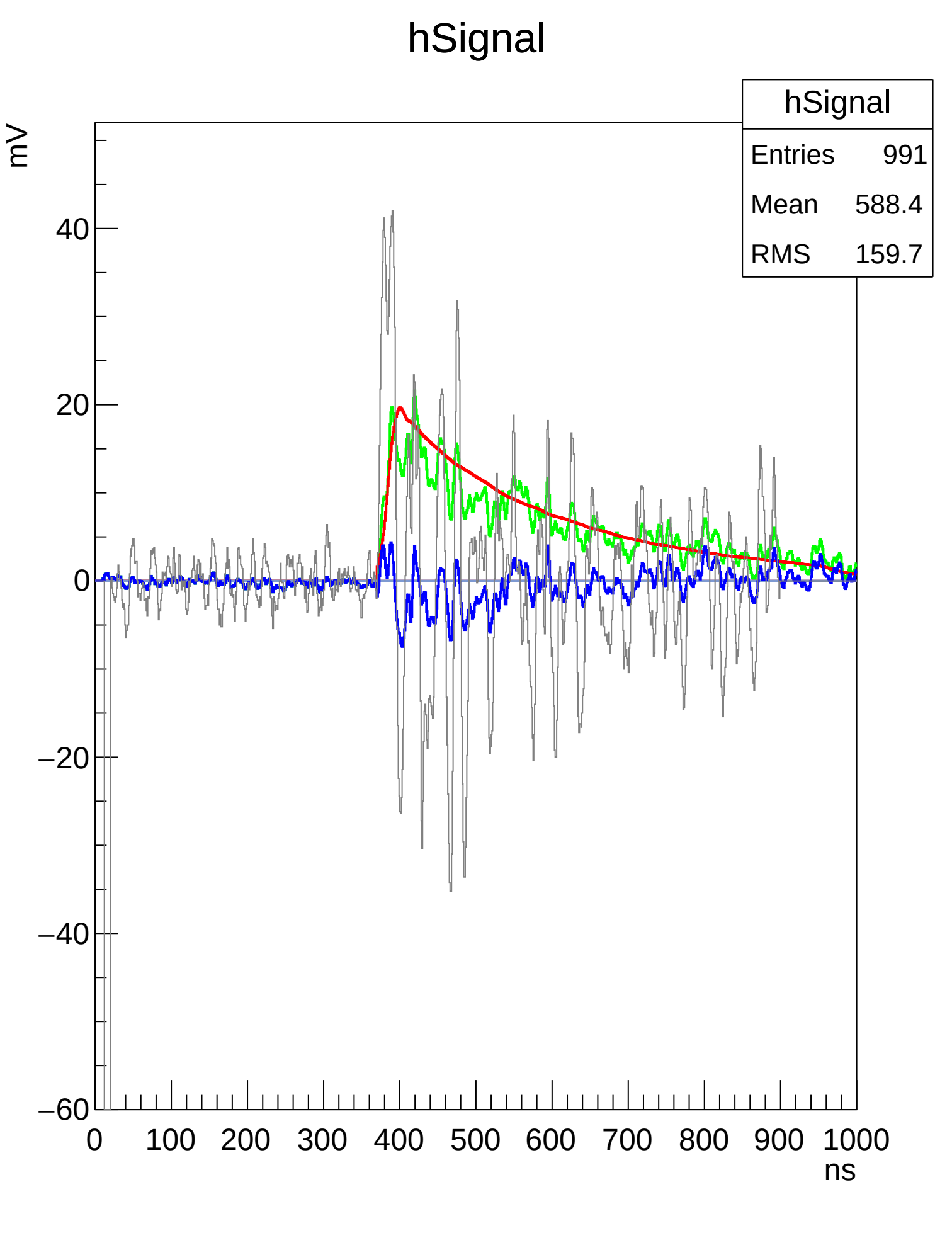
hSignal
hSignal
Entries 991
Mean 588.4
RMS 159.7
mV
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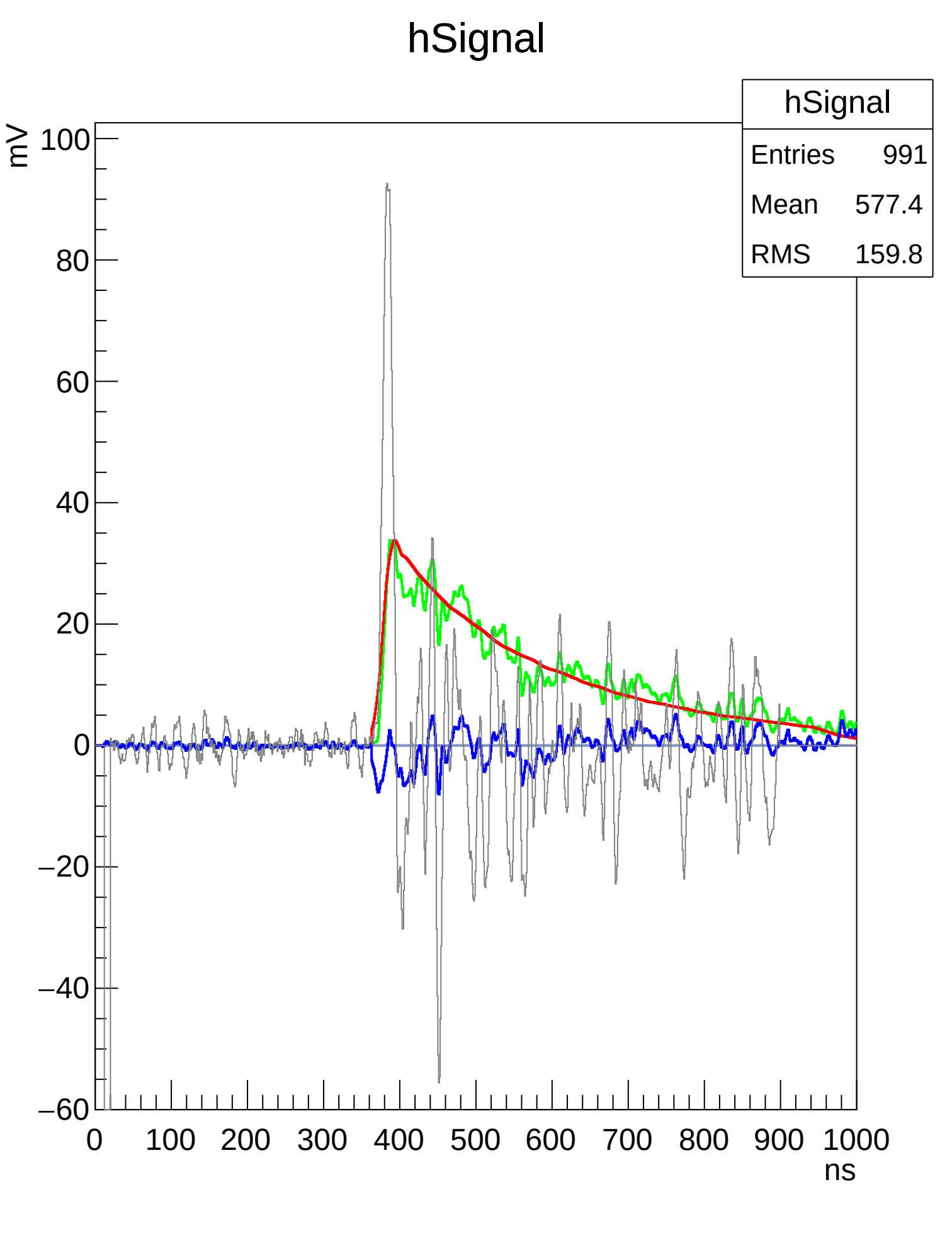
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.4
RMS 159.8
mV
100
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200
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400
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800
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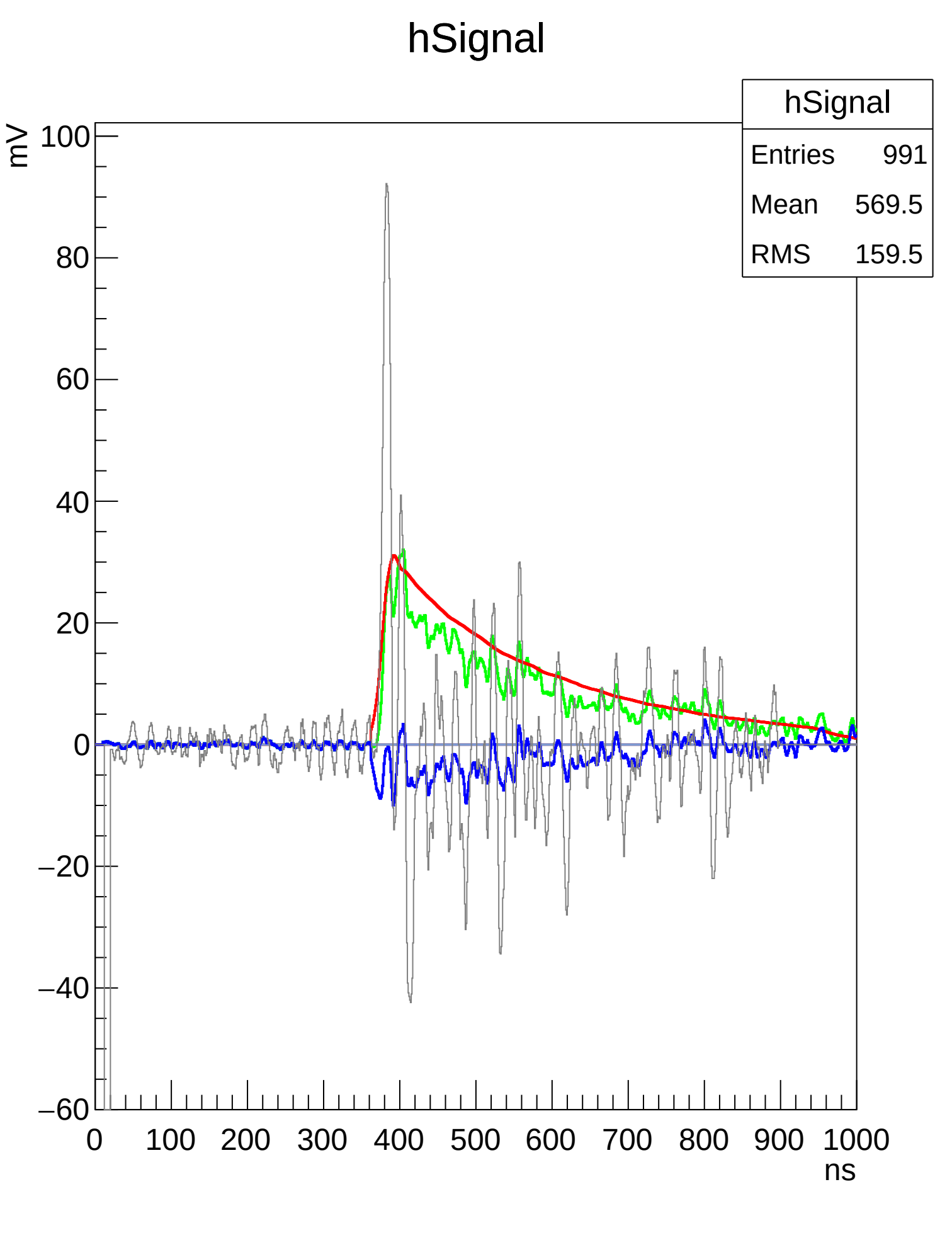
1000
ns


hSignal
hSignal
Entries 991
Mean 569.5
RMS 159.5
mV
100
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0
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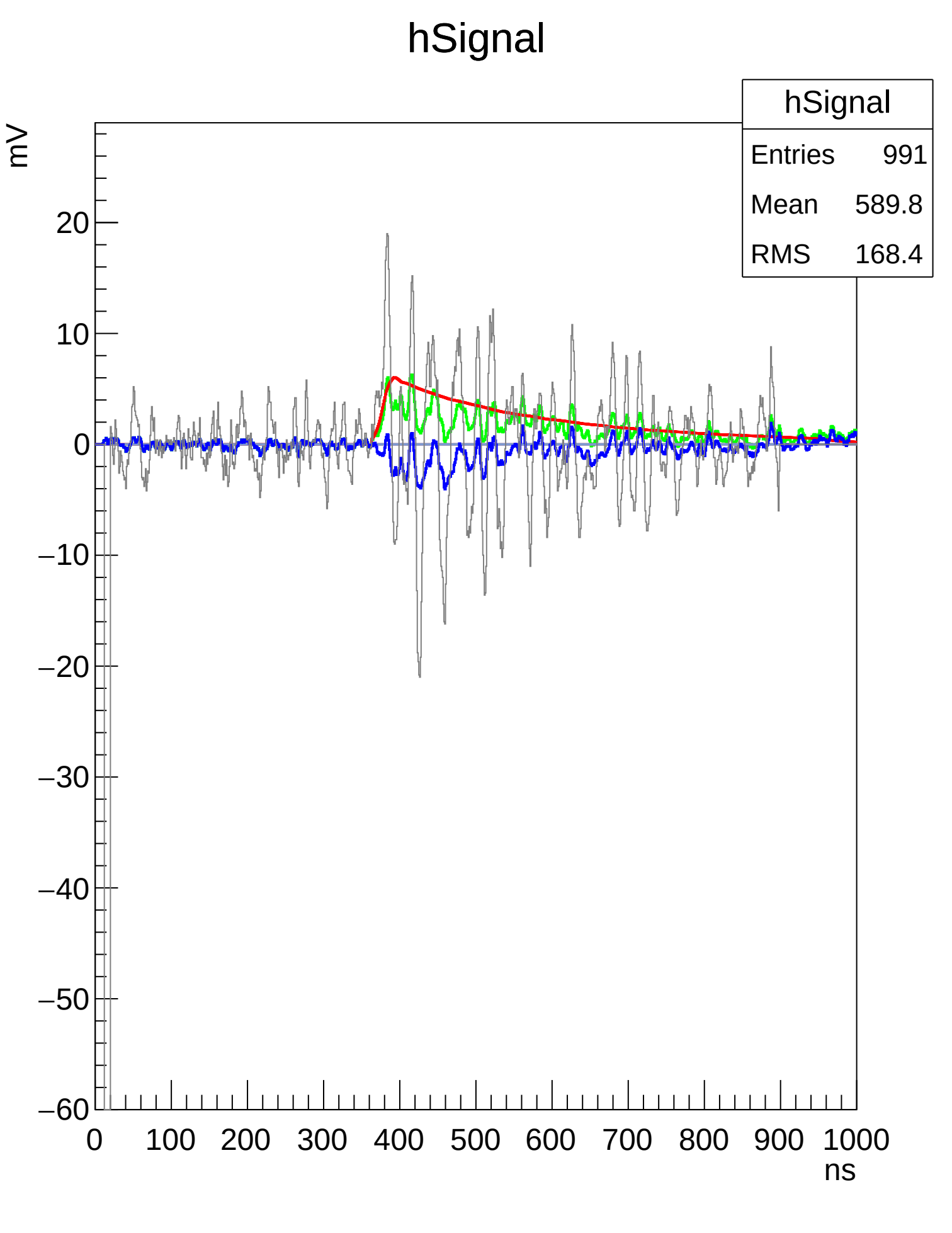
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.8
RMS 168.4
mV
20
10
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−40
−50
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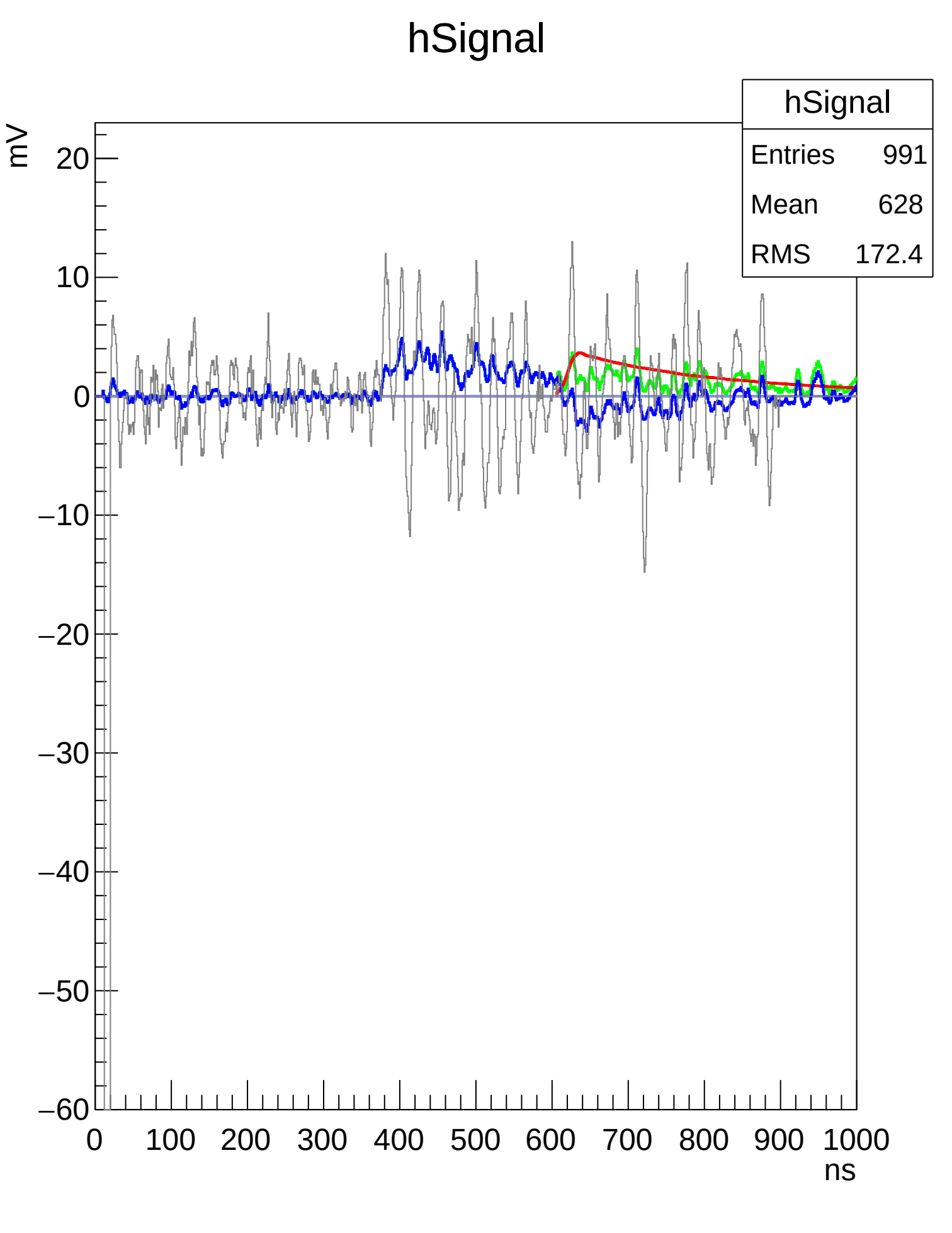
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 628
RMS 172.4
mV
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800
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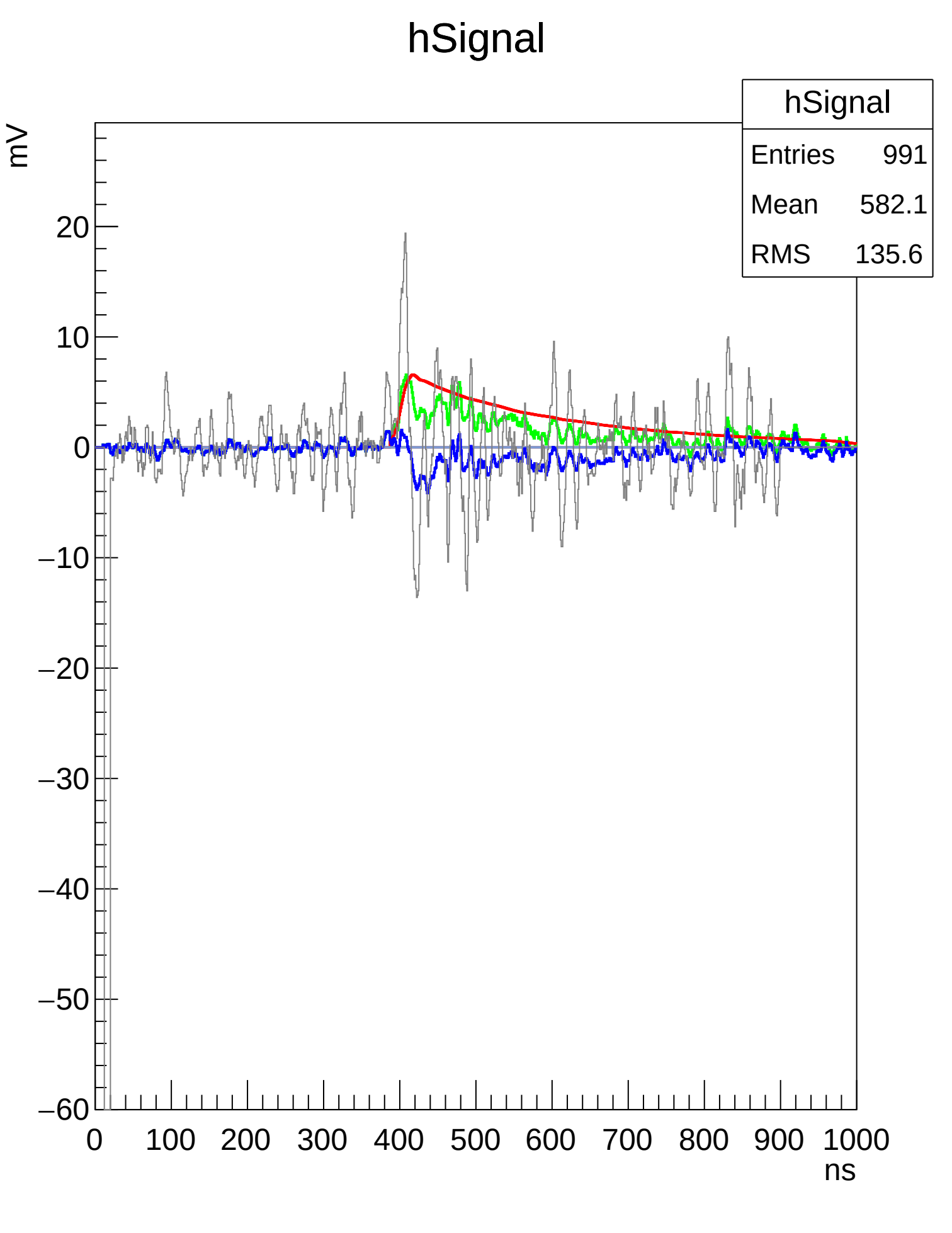
1000
ns


hSignal
hSignal
Entries 991
Mean 582.1
RMS 135.6
mV
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10
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−40
−50
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0
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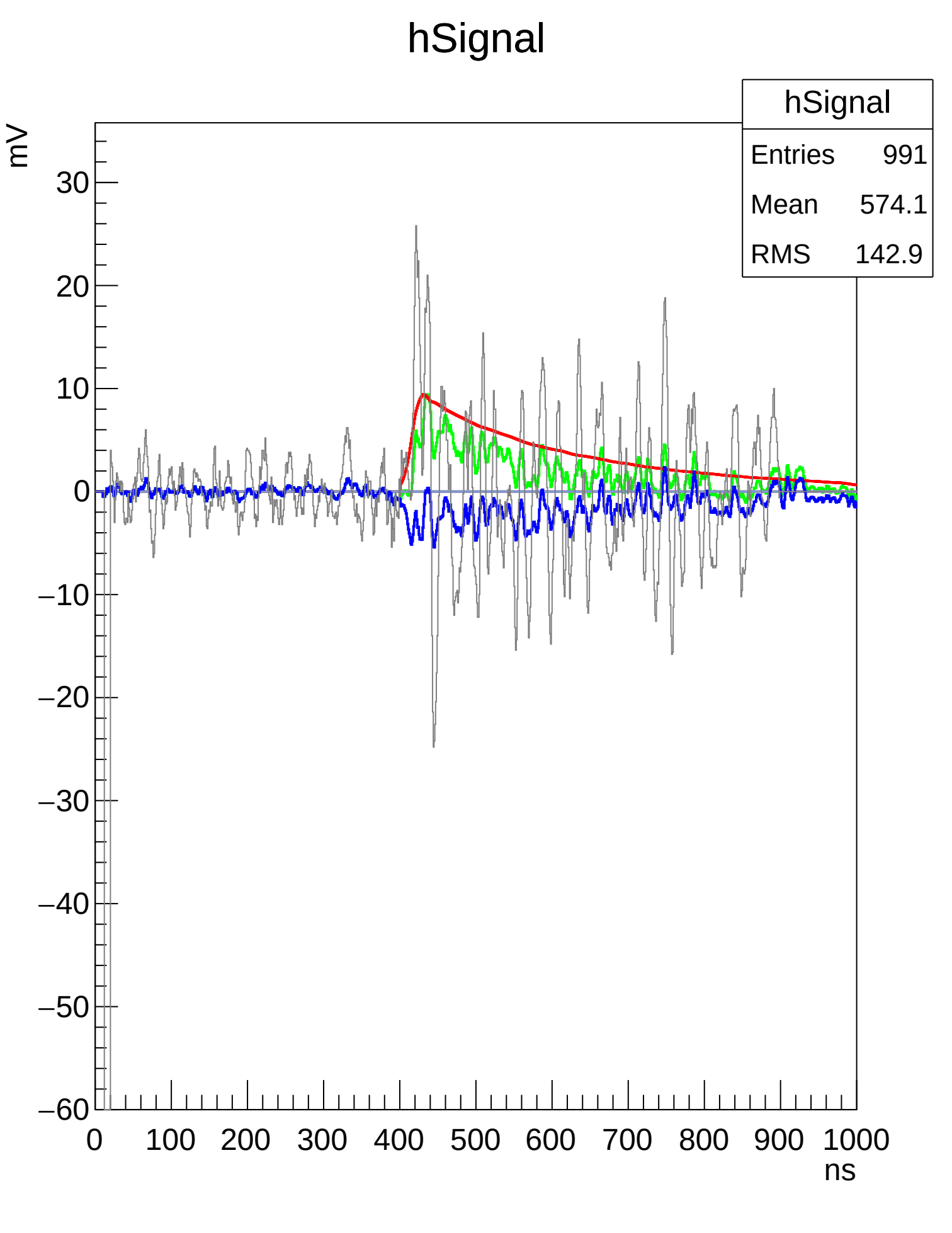
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.1
RMS 142.9
mV
30
20
10
0
−10
−20
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−40
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0
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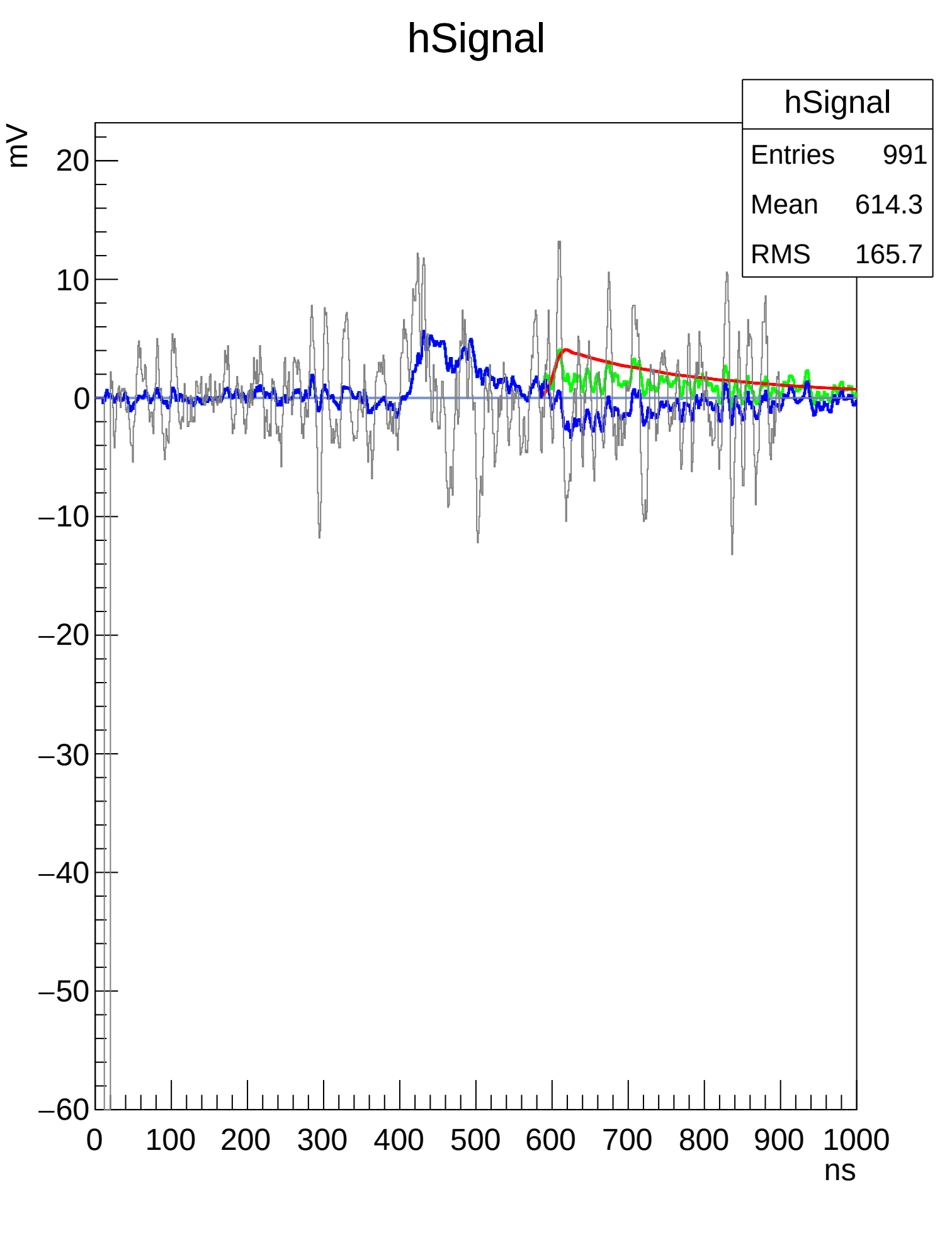
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.3
RMS 165.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
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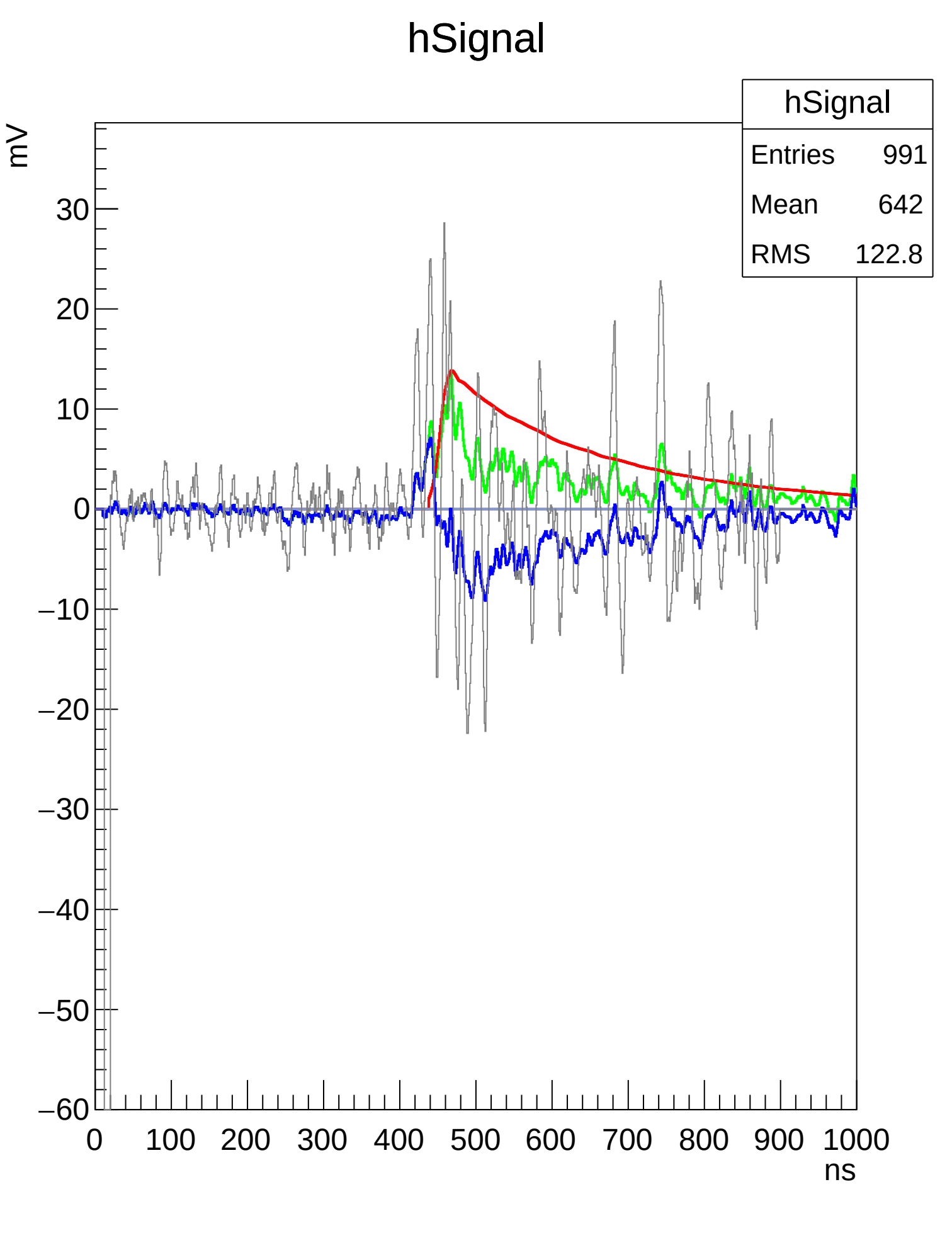
hSignal
hSignal
Entries 991
Mean 642
RMS 122.8
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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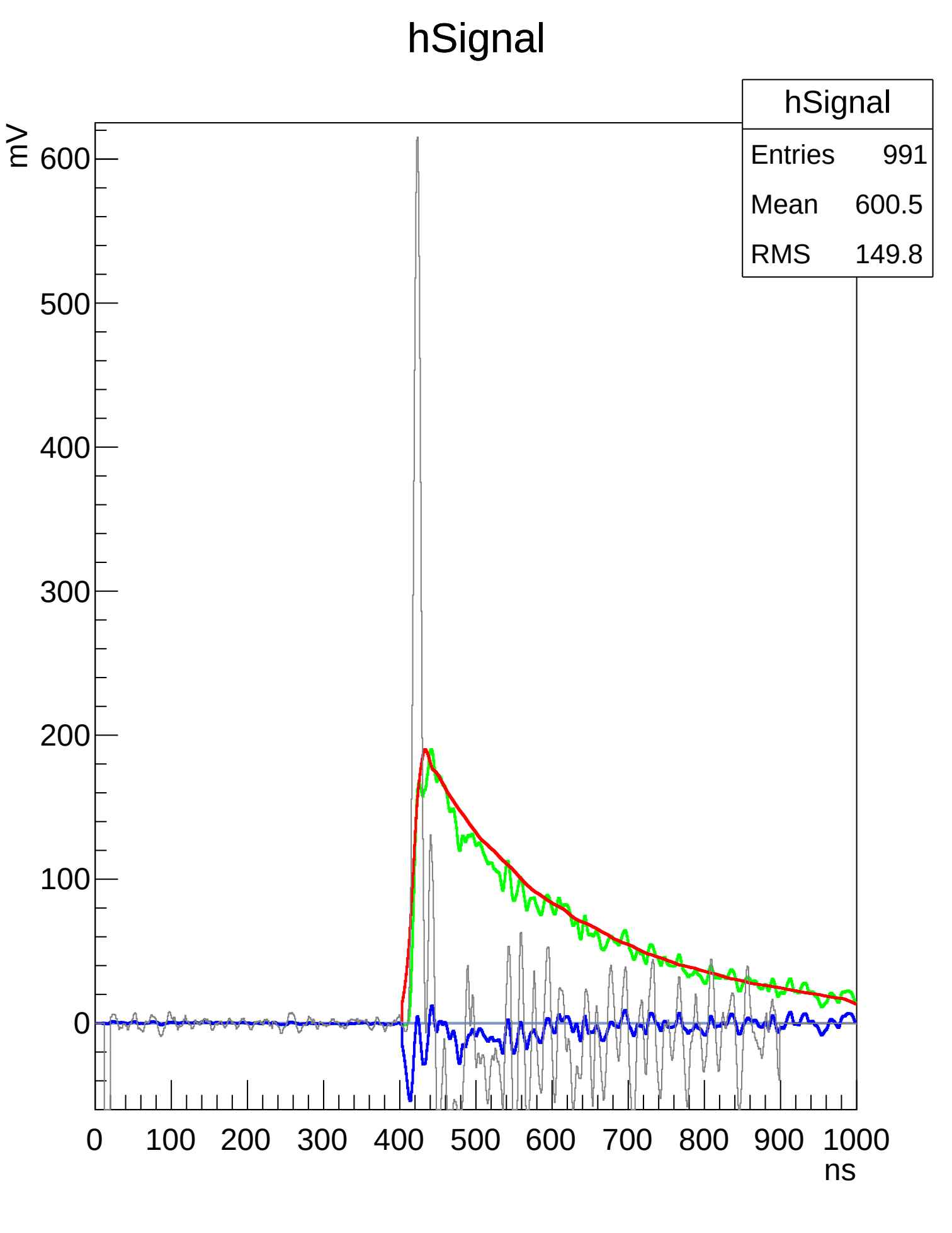
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.5
RMS 149.8
mV
600
500
400
300
200
100
0
0
100
200
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400
500
600
700
800
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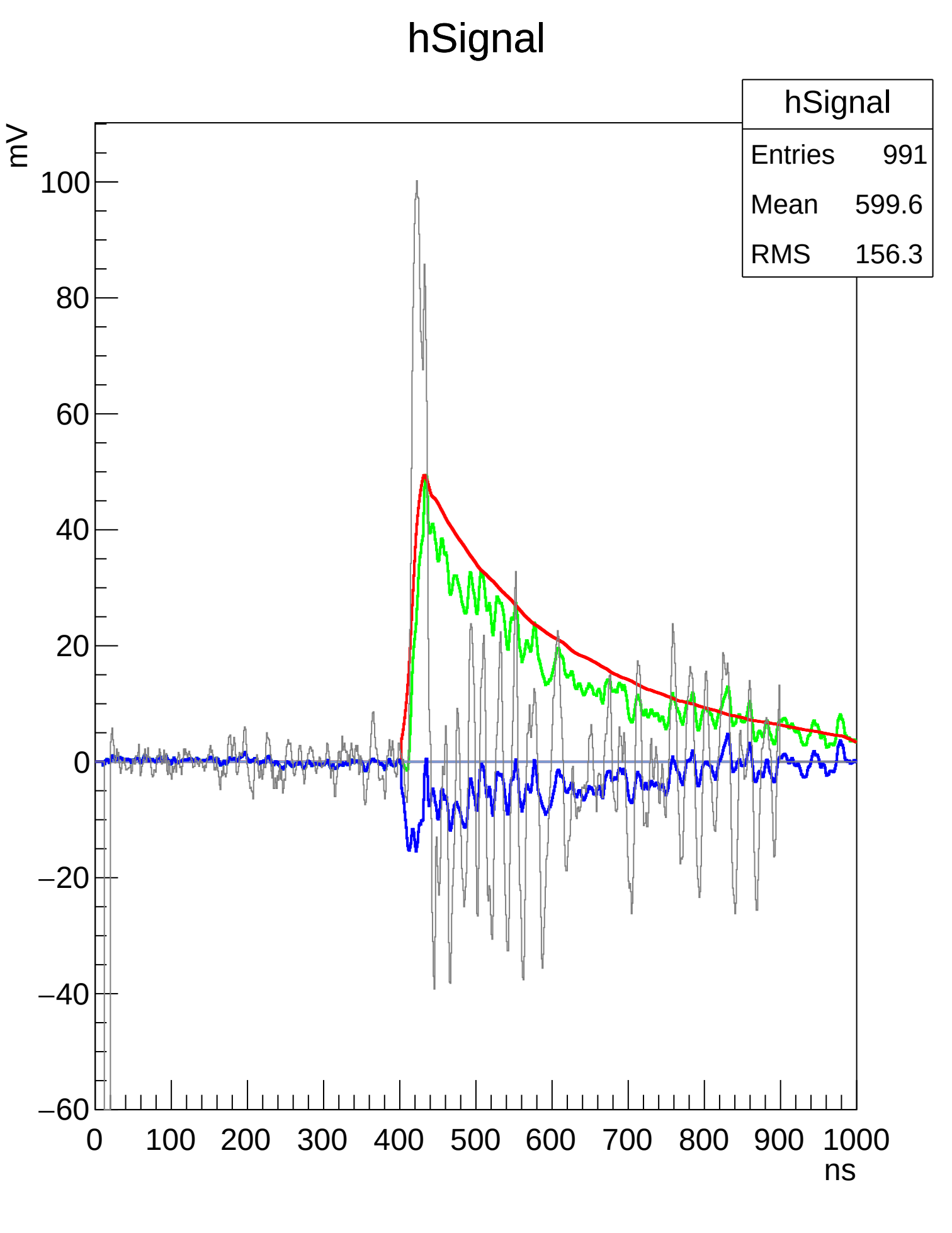
1000
ns


hSignal
hSignal
Entries 991
Mean 599.6
RMS 156.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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800
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1000
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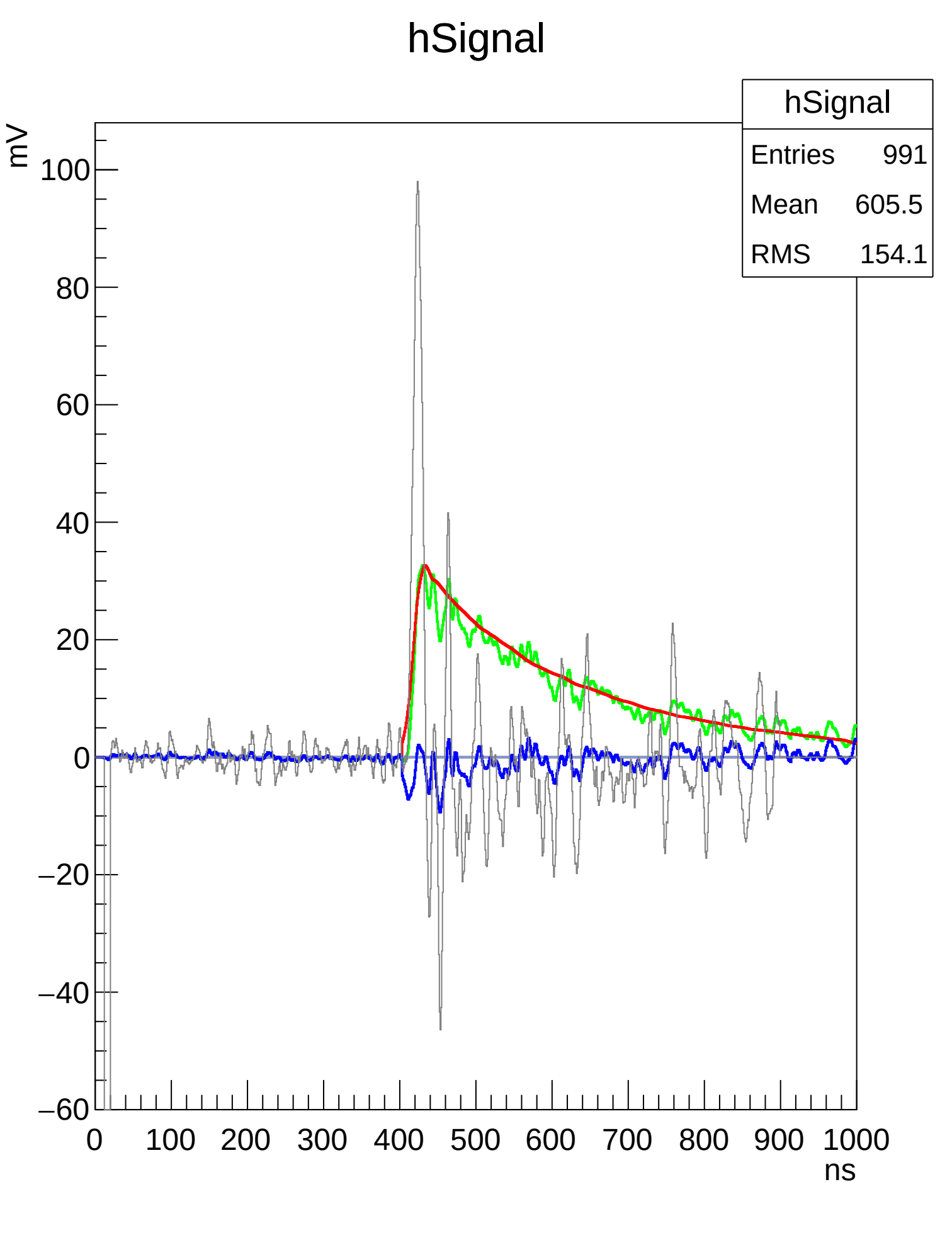
hSignal
hSignal
Entries 991
Mean 605.5
RMS 154.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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600
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800
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1000
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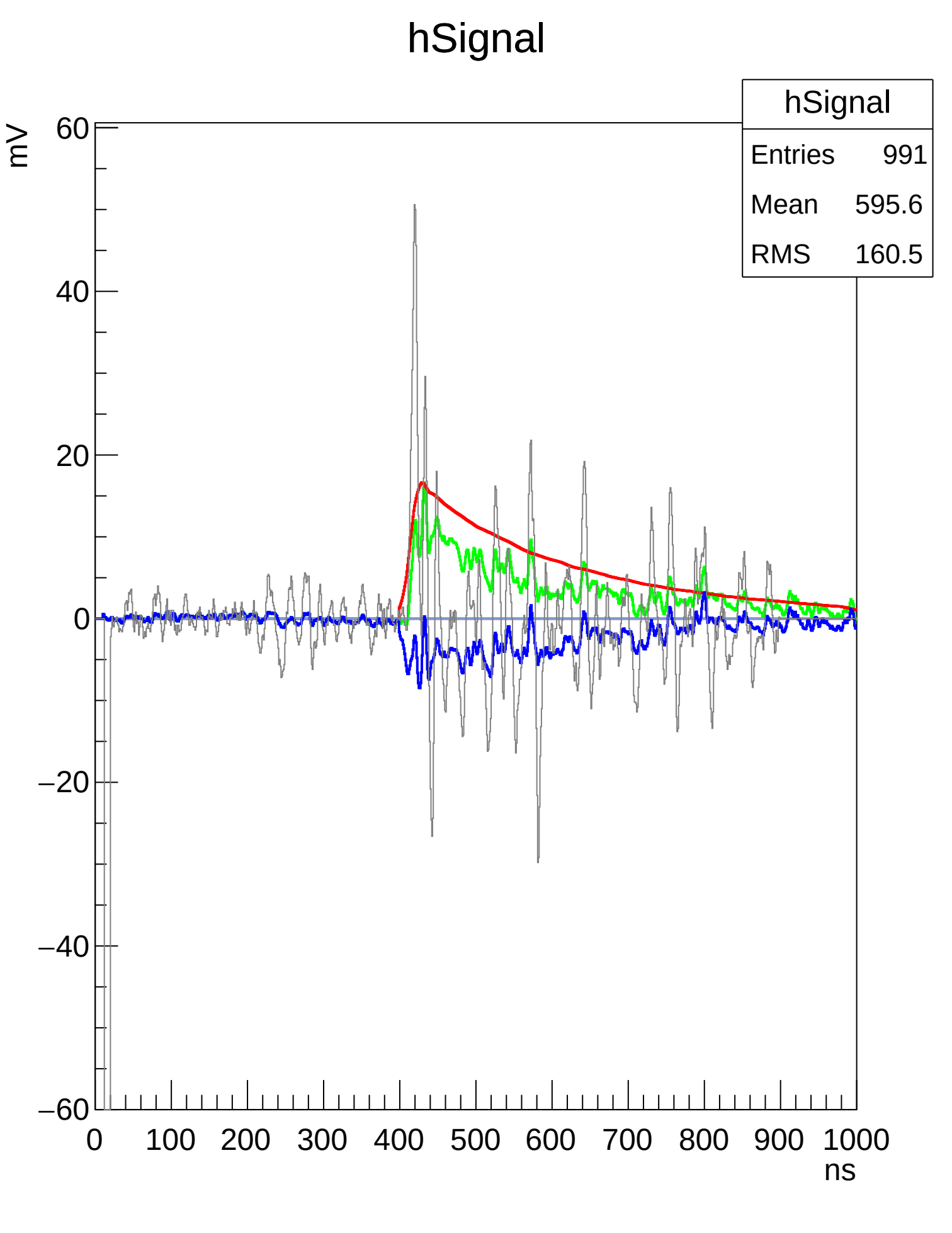
hSignal
hSignal
Entries 991
Mean 595.6
RMS 160.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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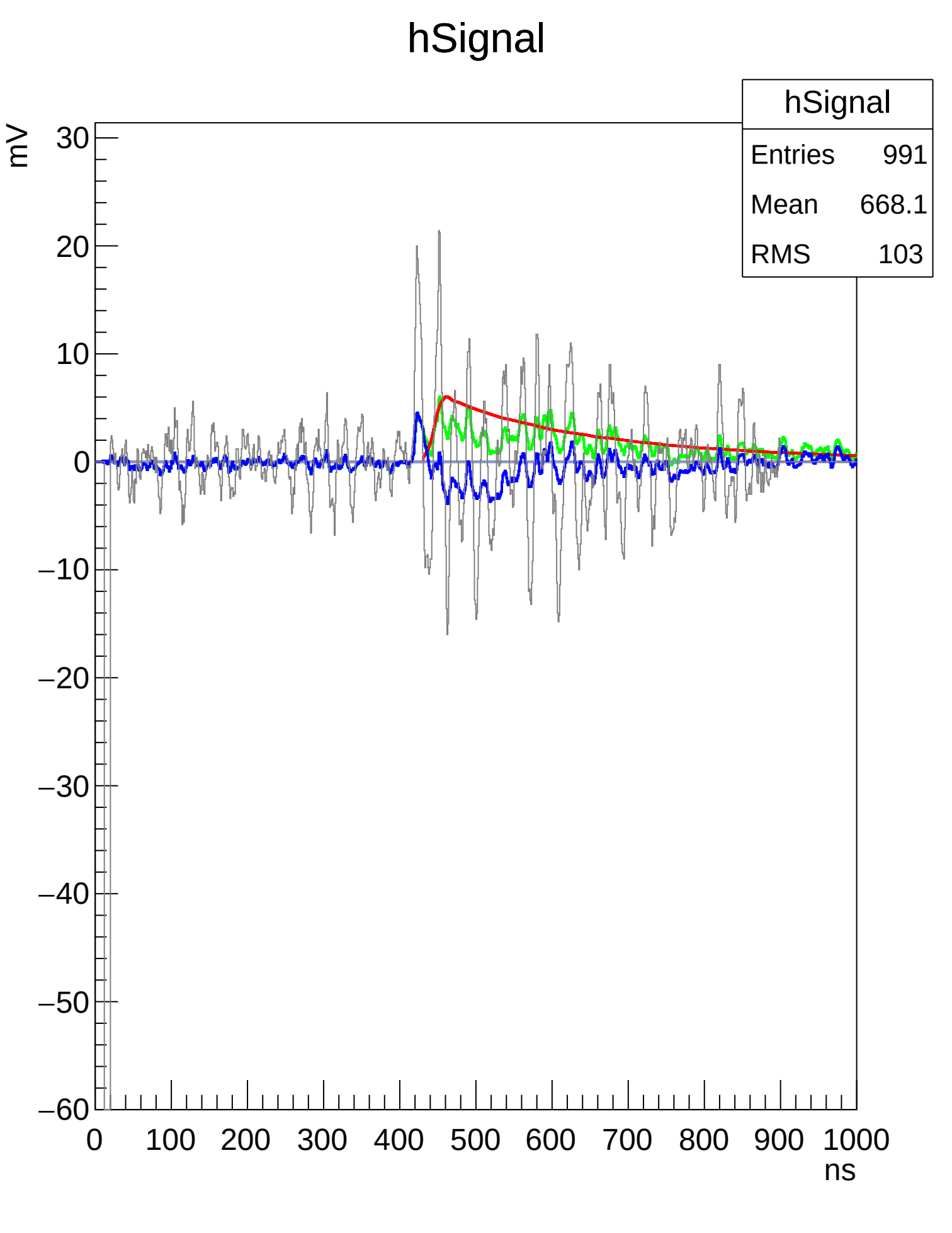
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 668.1
RMS 103
mV
30
20
10
0
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−40
−50
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0
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200
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400
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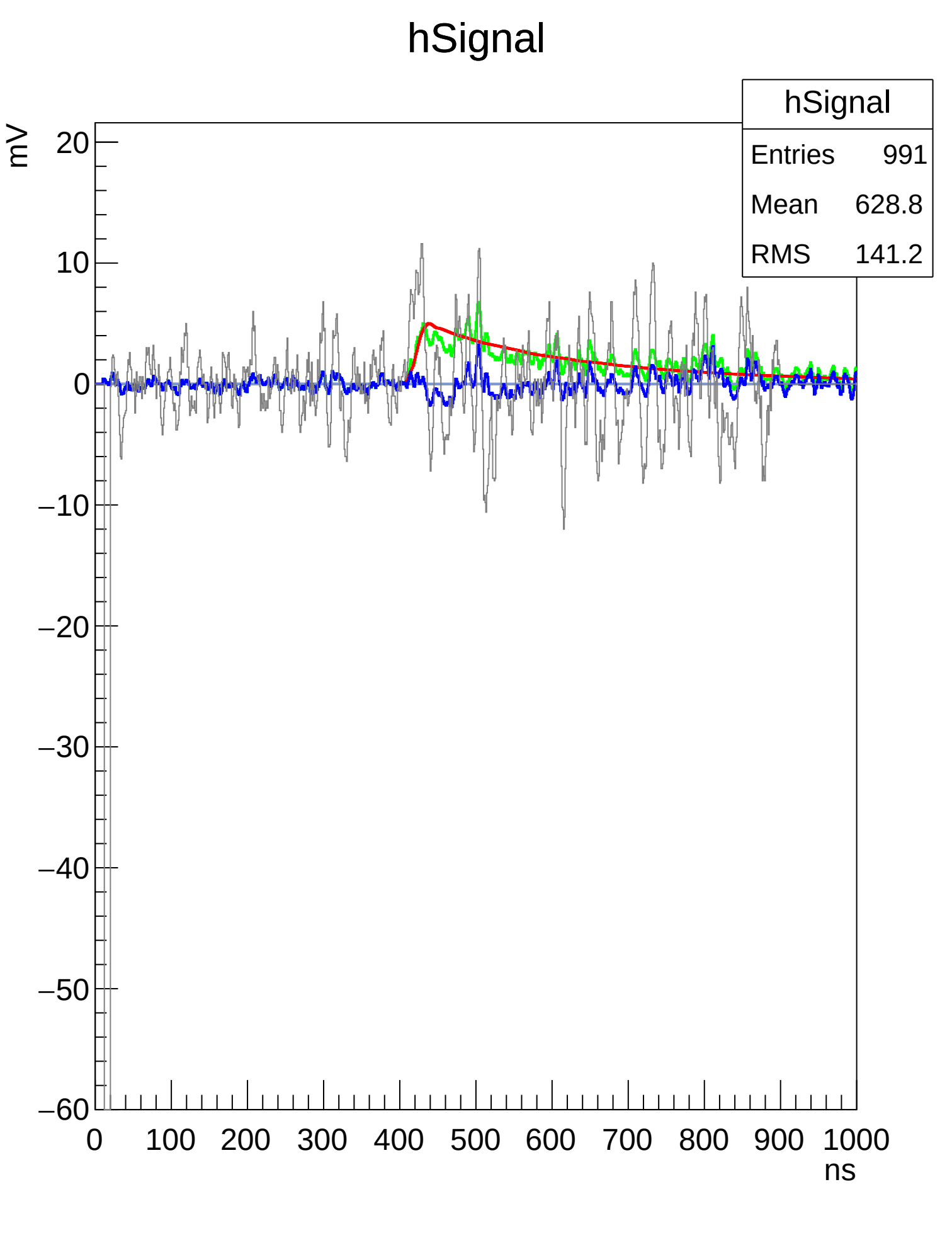
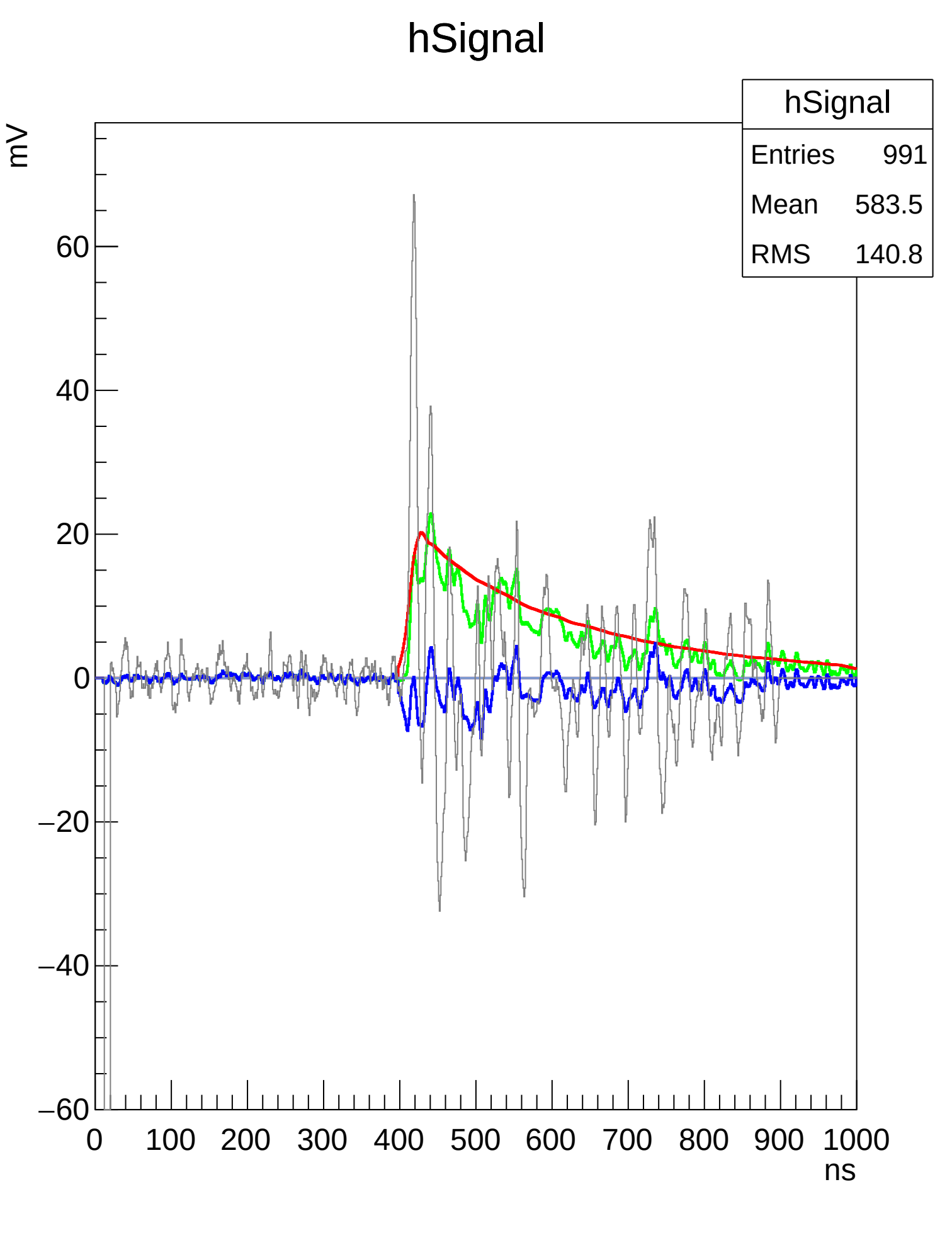
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 628.8
RMS 141.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.5
RMS 140.8
mV
60
40
20
0
−20
−40
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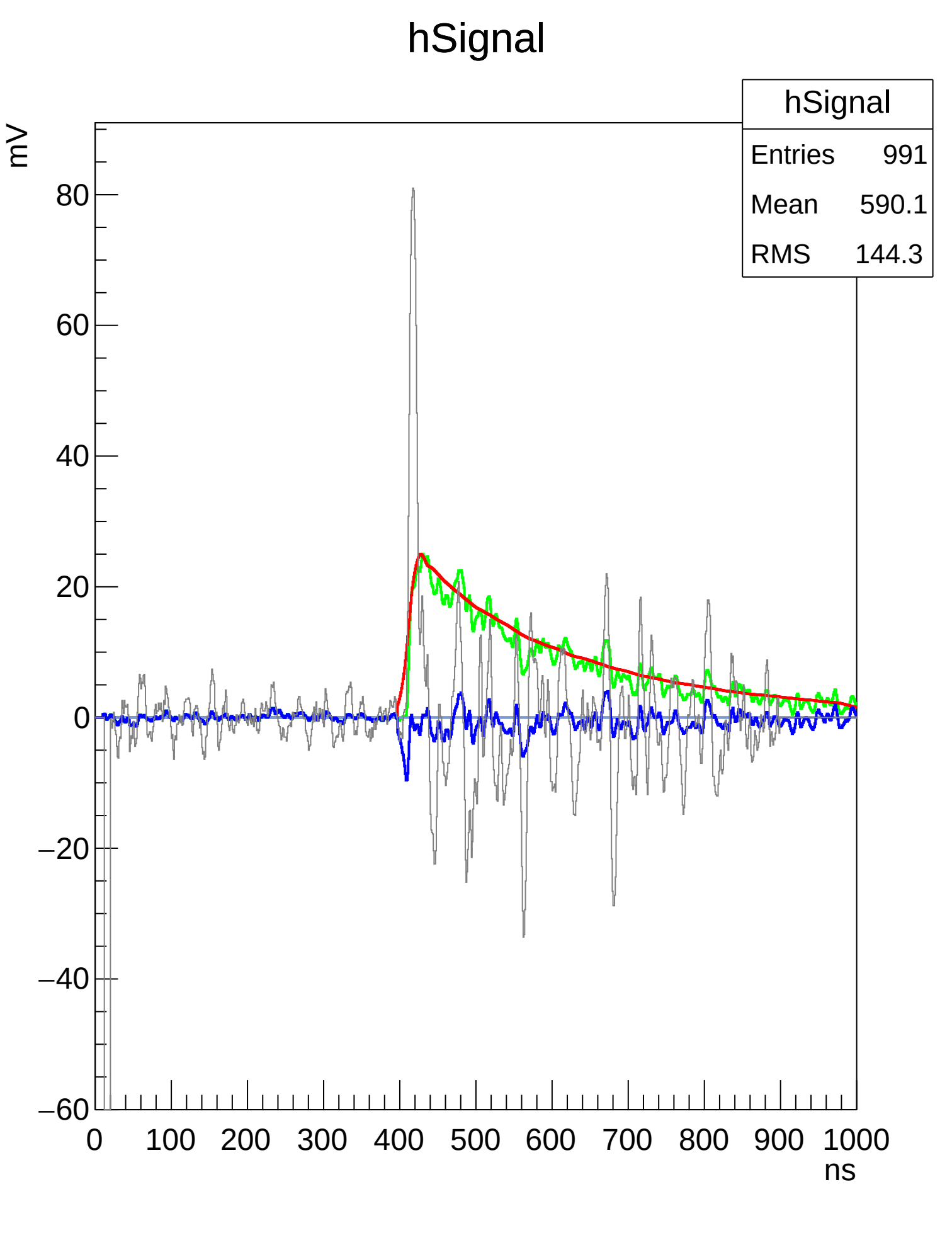
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.1
RMS 144.3
mV
80
60
40
20
0
−20
−40
−60
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100
200
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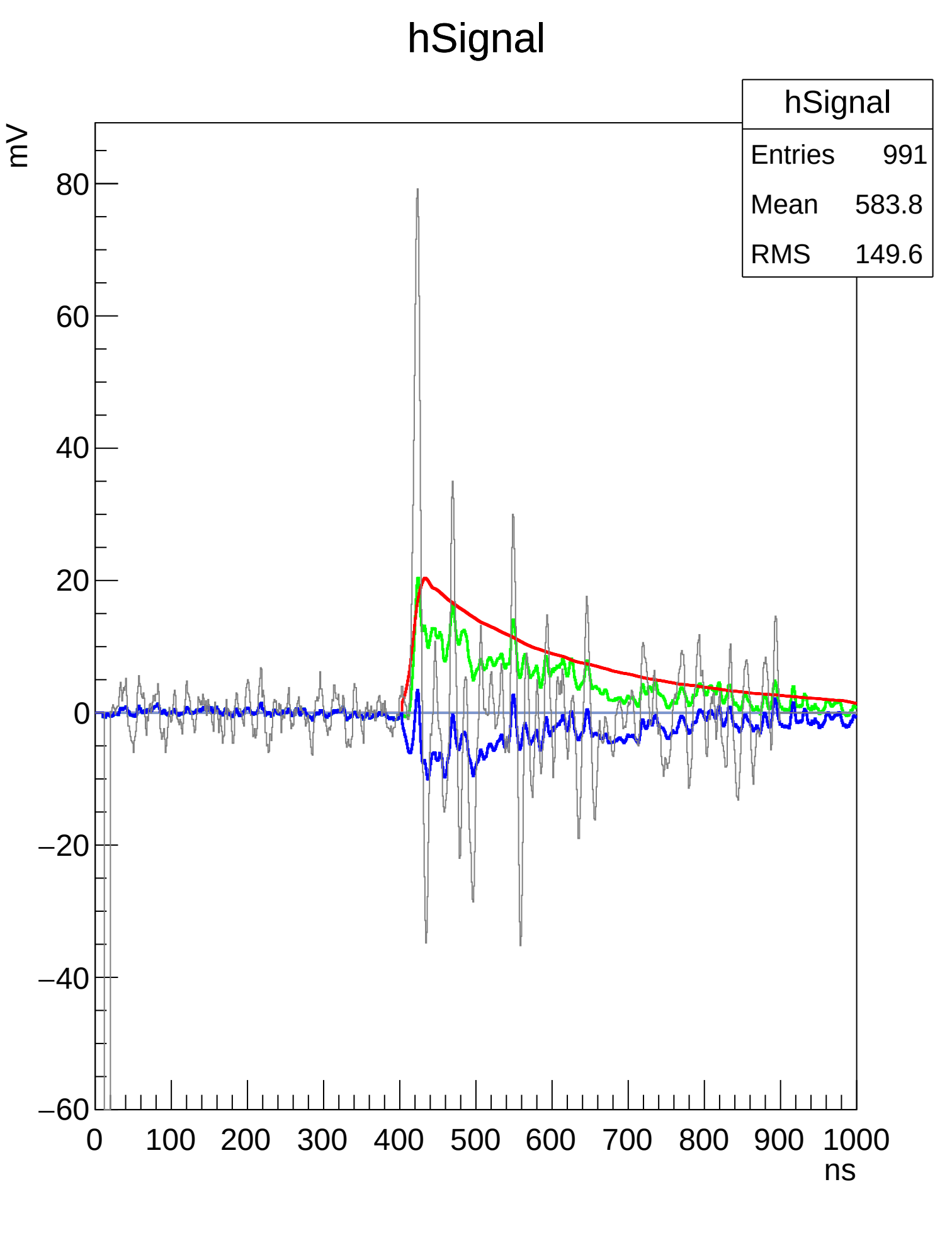
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.8
RMS 149.6
mV
80
60
40
20
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−20
−40
−60
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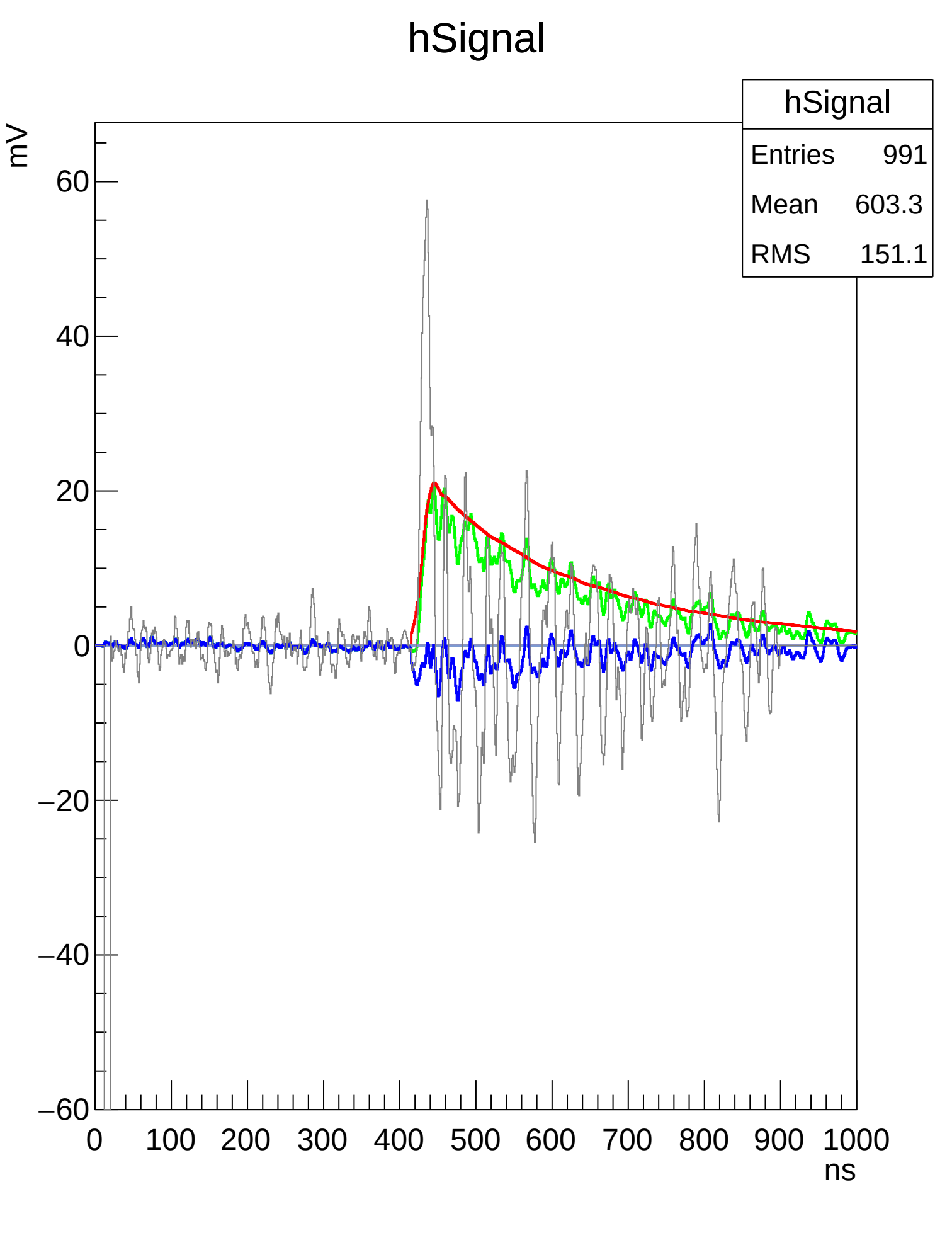
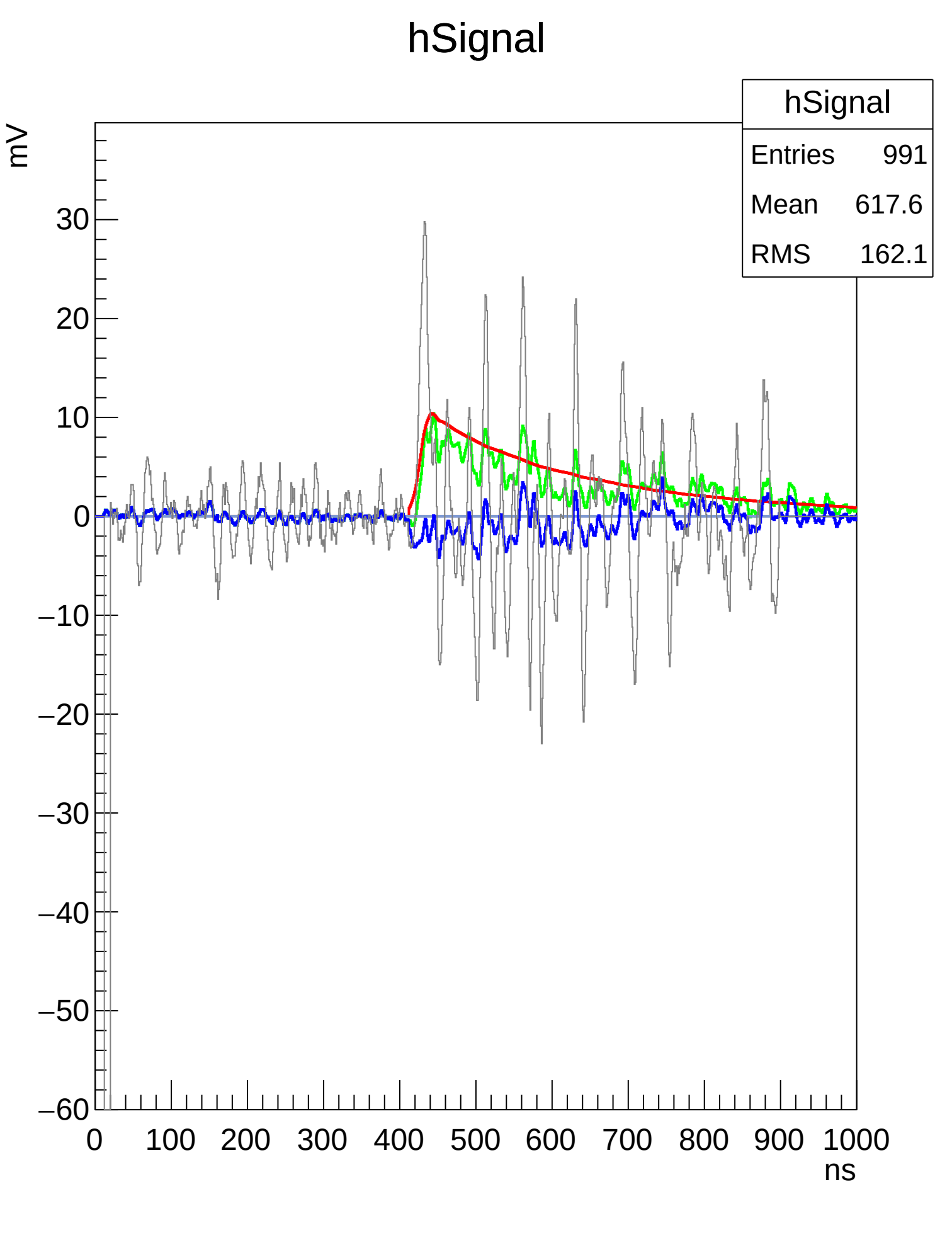
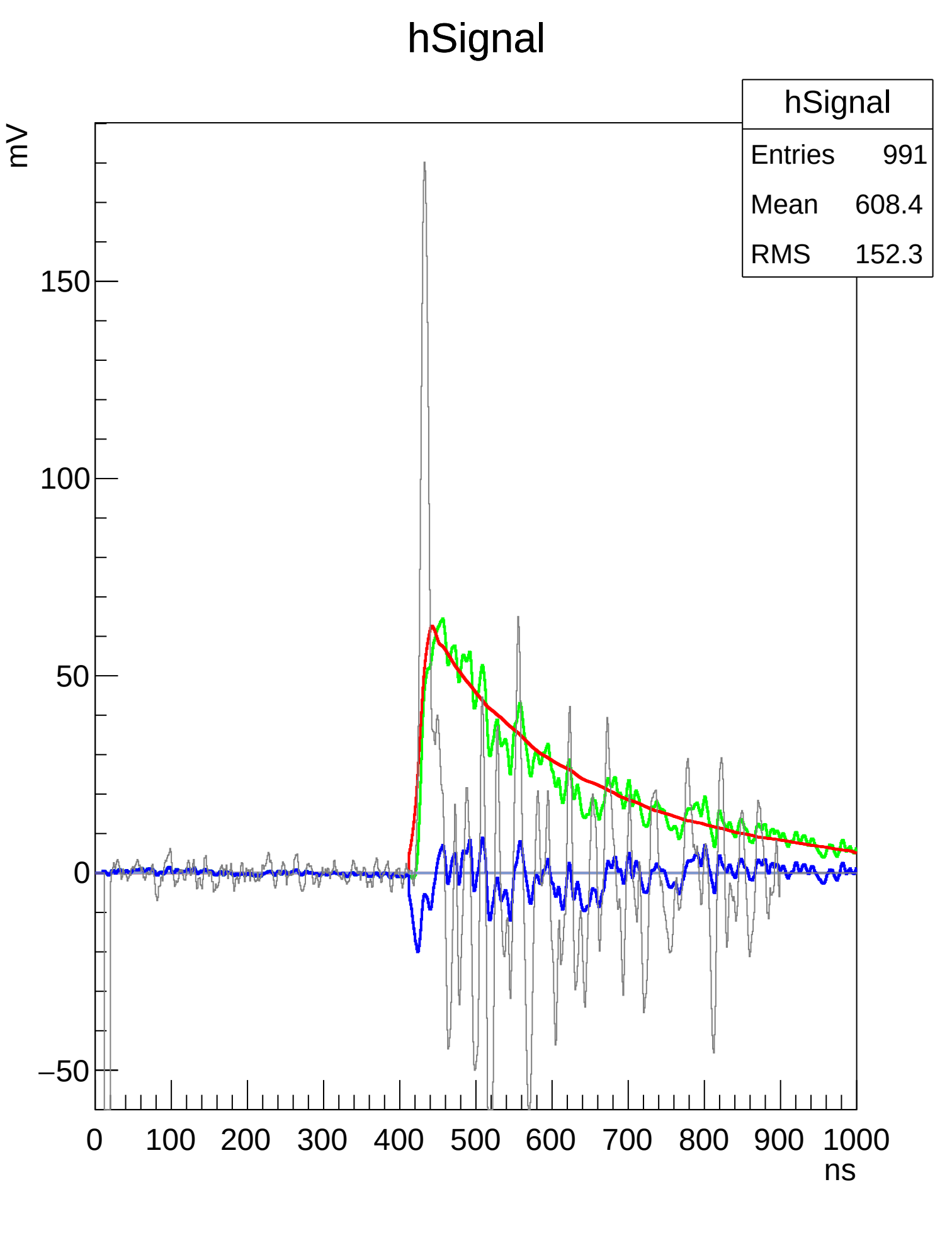
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.3
RMS 151.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.6
RMS 162.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.4
RMS 152.3
mV
150
100
50
0
−50
0
100
200
300
400
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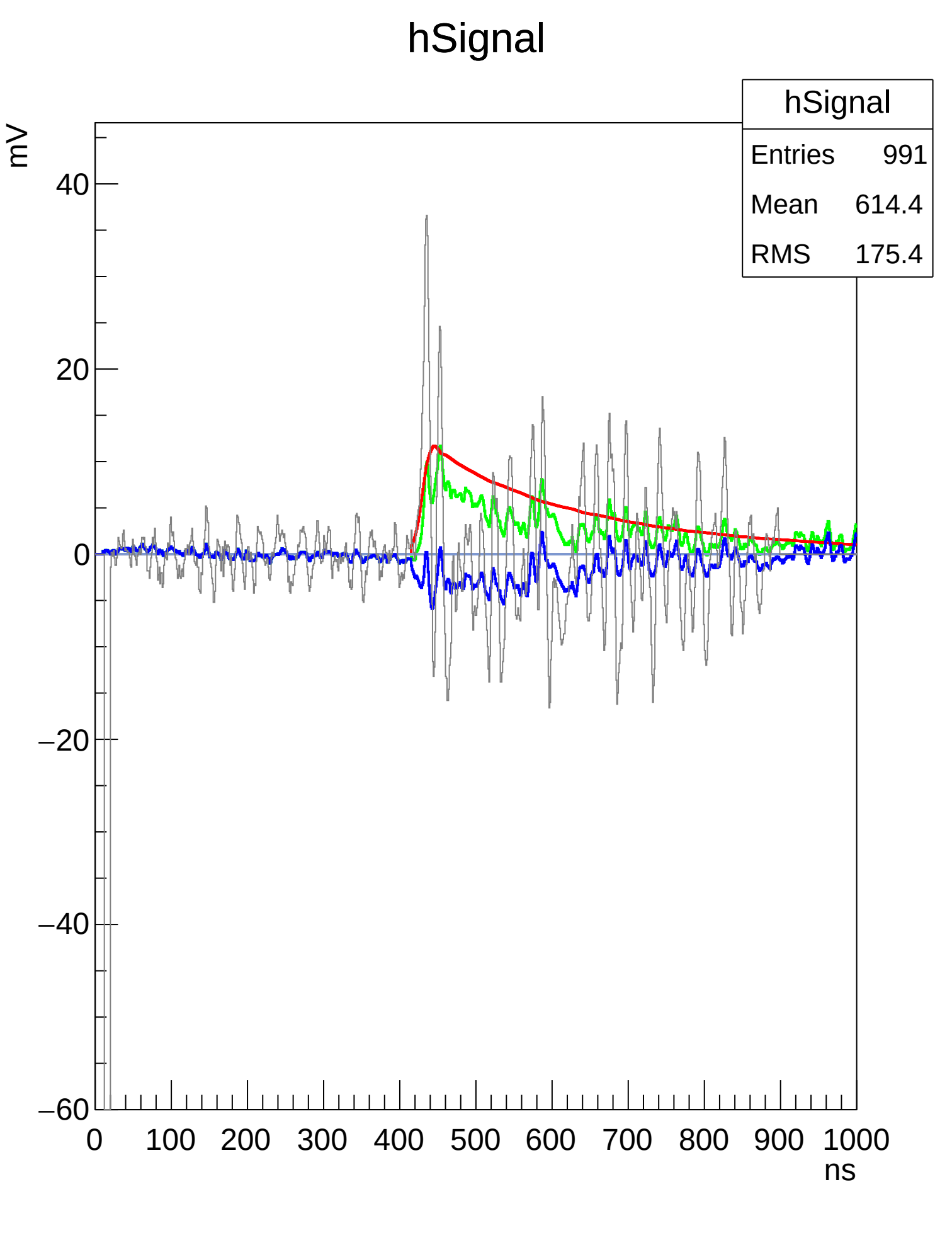
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.4
RMS 175.4
mV
40
20
0
−20
−40
−60
0
100
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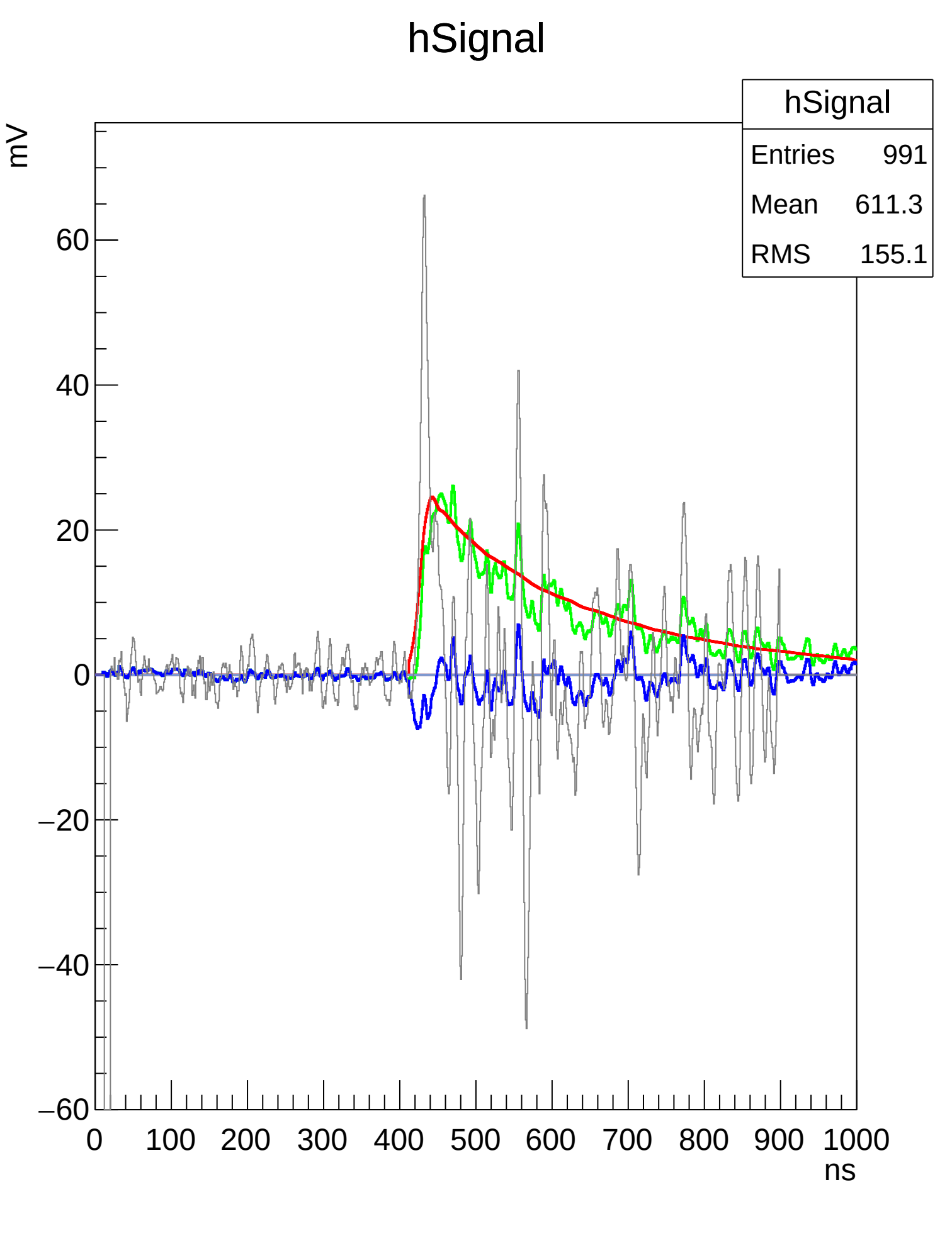
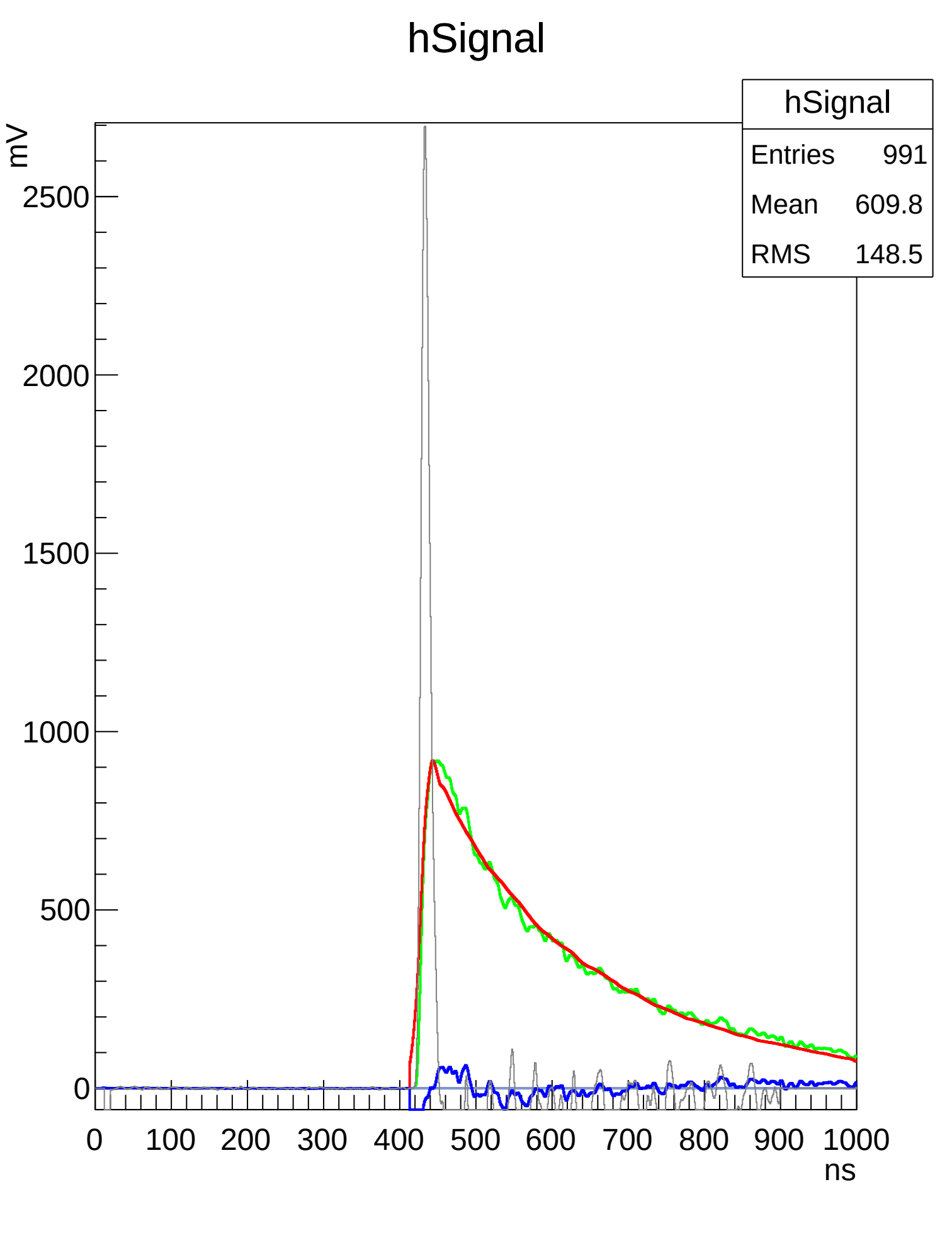
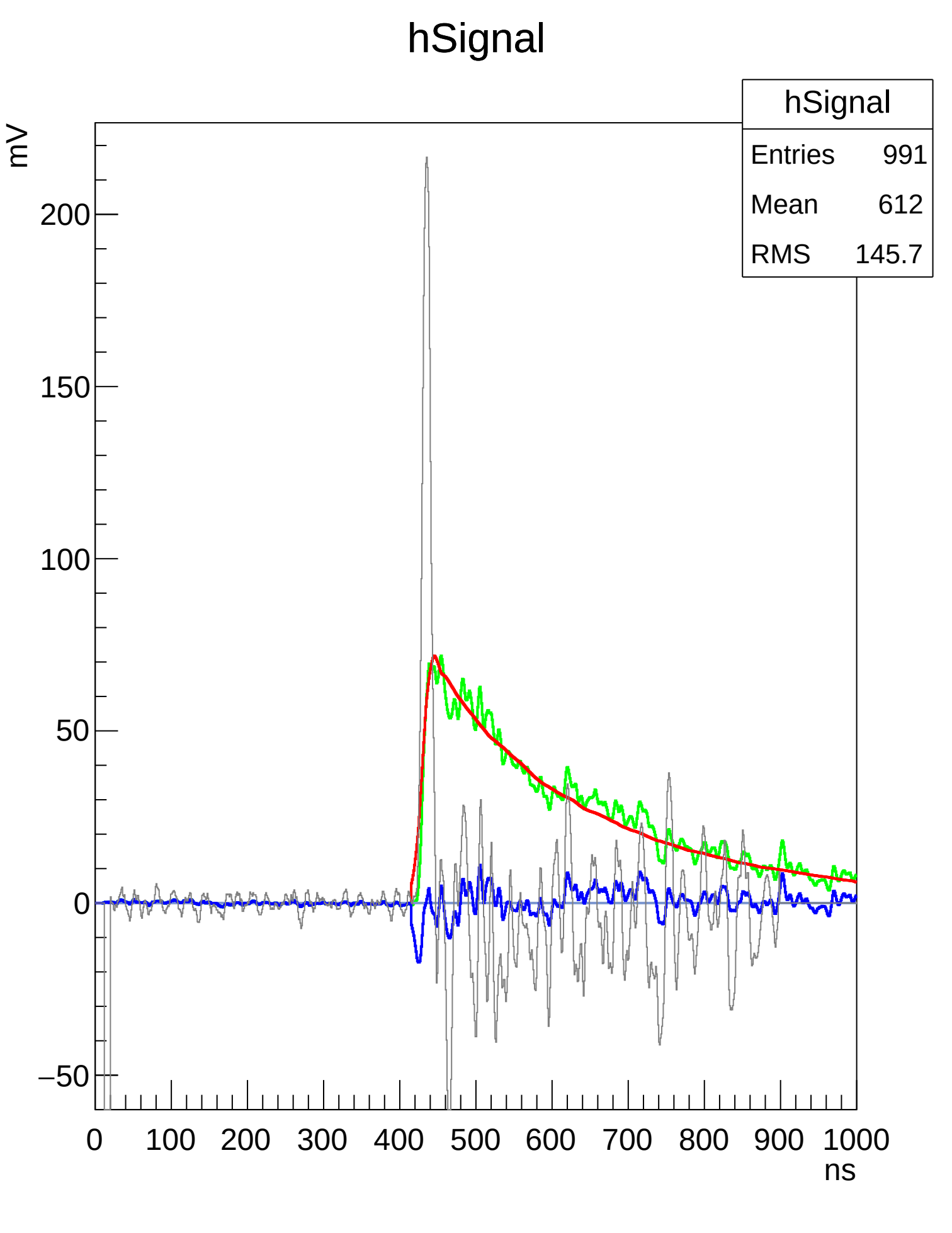
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.3
RMS 155.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.8
RMS 148.5
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 612
RMS 145.7
mV
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100
50
0
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0
100
200
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600
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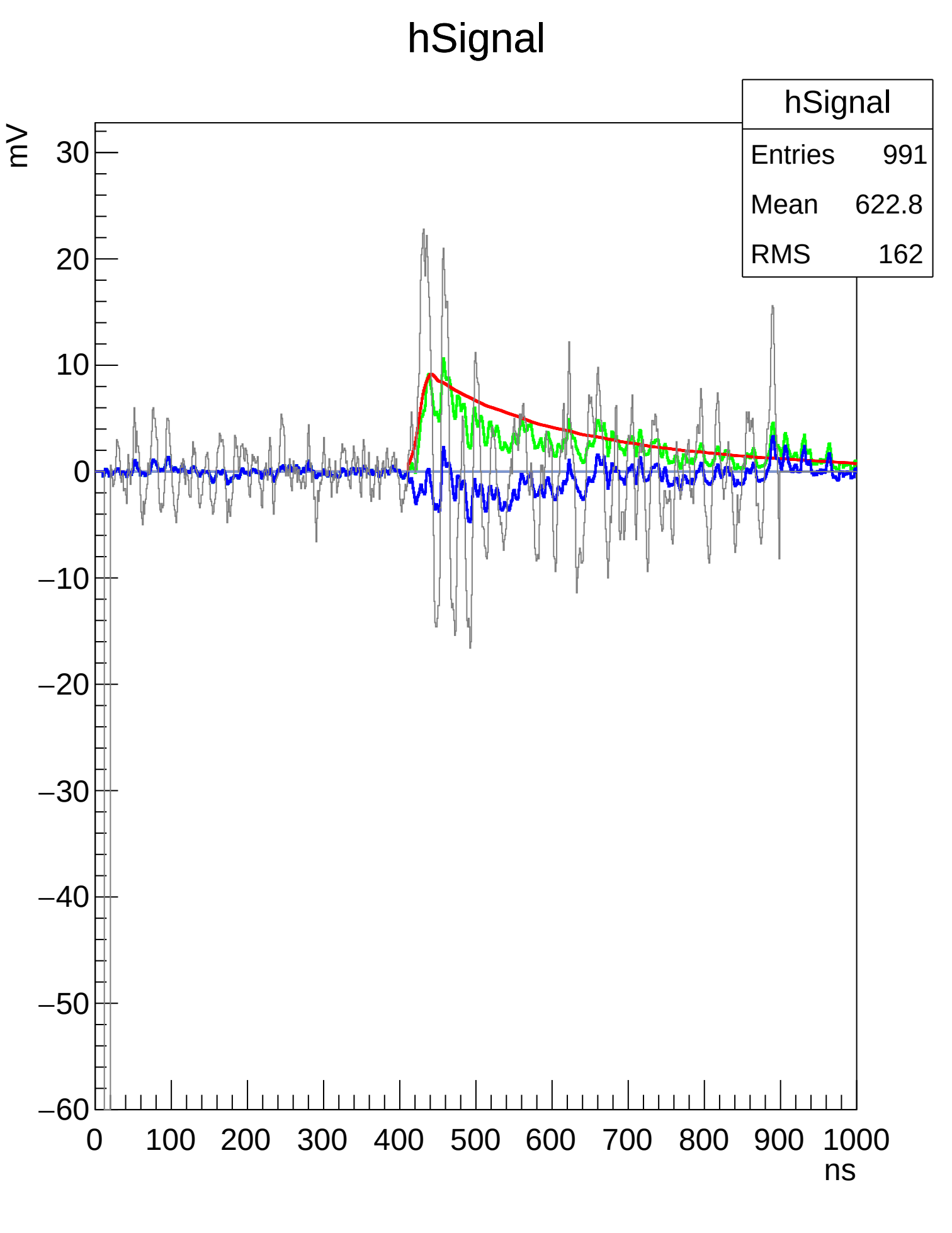
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.8
RMS 162
mV
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20
10
0
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−20
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−40
−50
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0
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200
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1000
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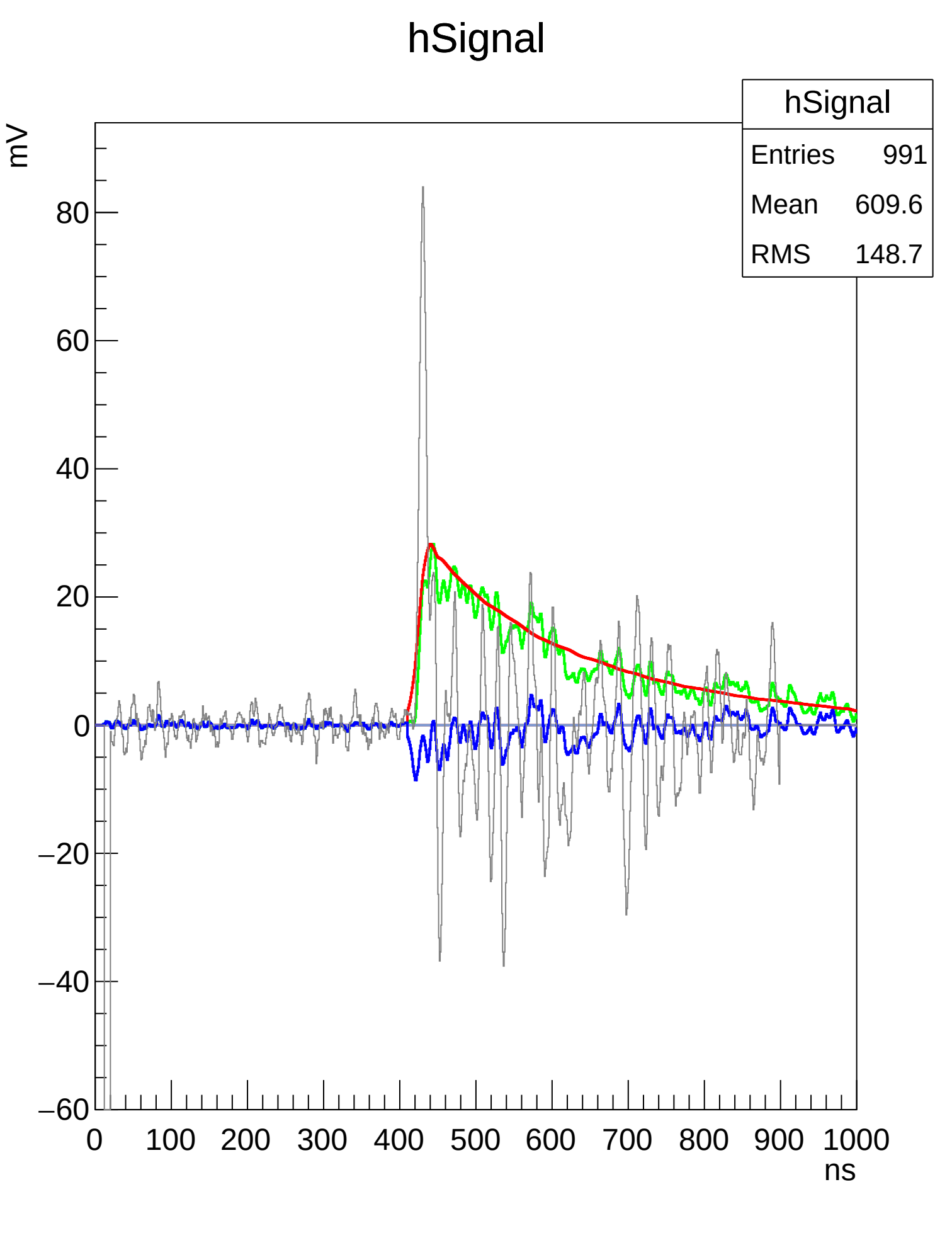
hSignal
hSignal
Entries 991
Mean 609.6
RMS 148.7
mV
80
60
40
20
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−20
−40
−60
0
100
200
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400
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1000
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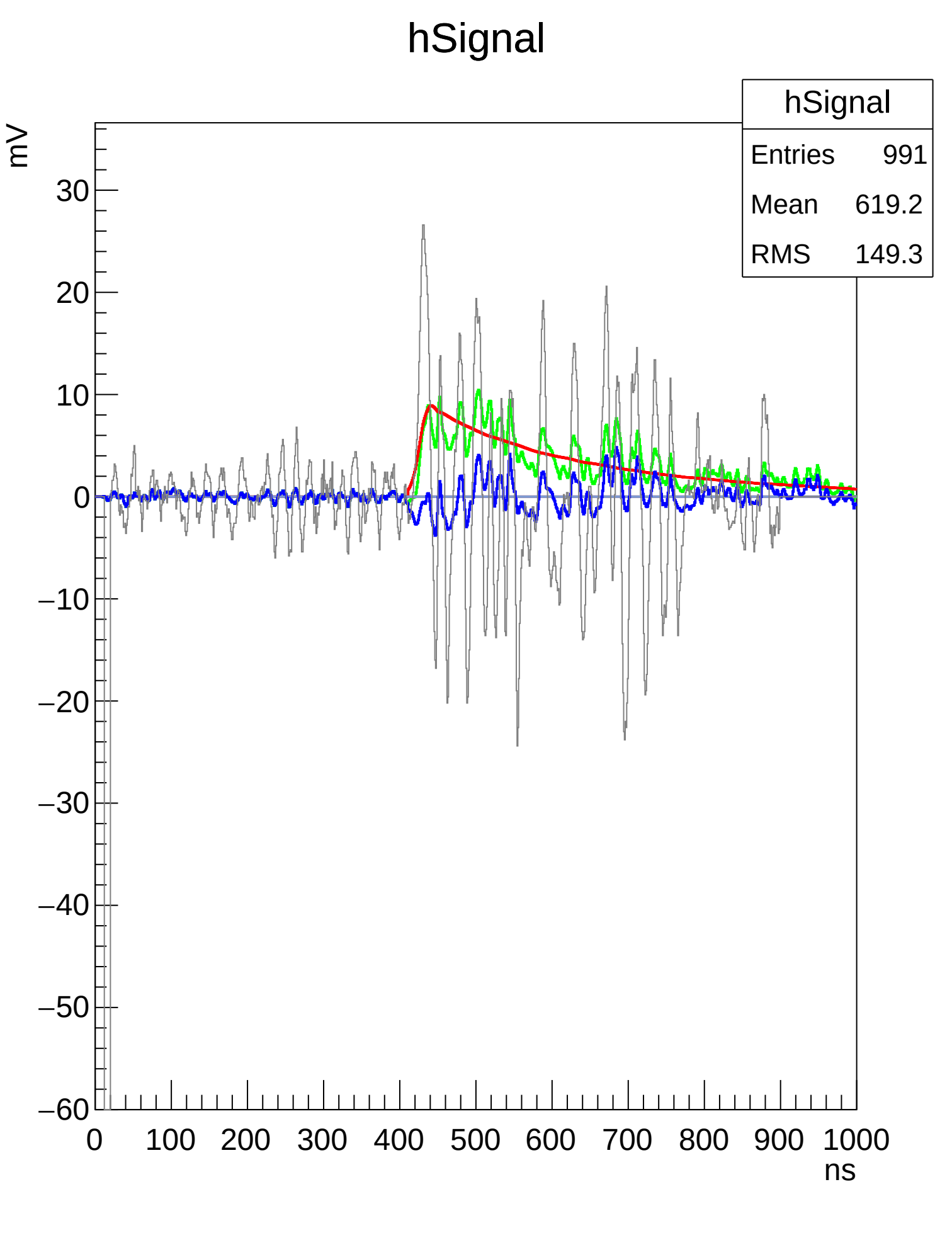
hSignal
hSignal
Entries 991
Mean 619.2
RMS 149.3
mV
30
20
10
0
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−50
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0
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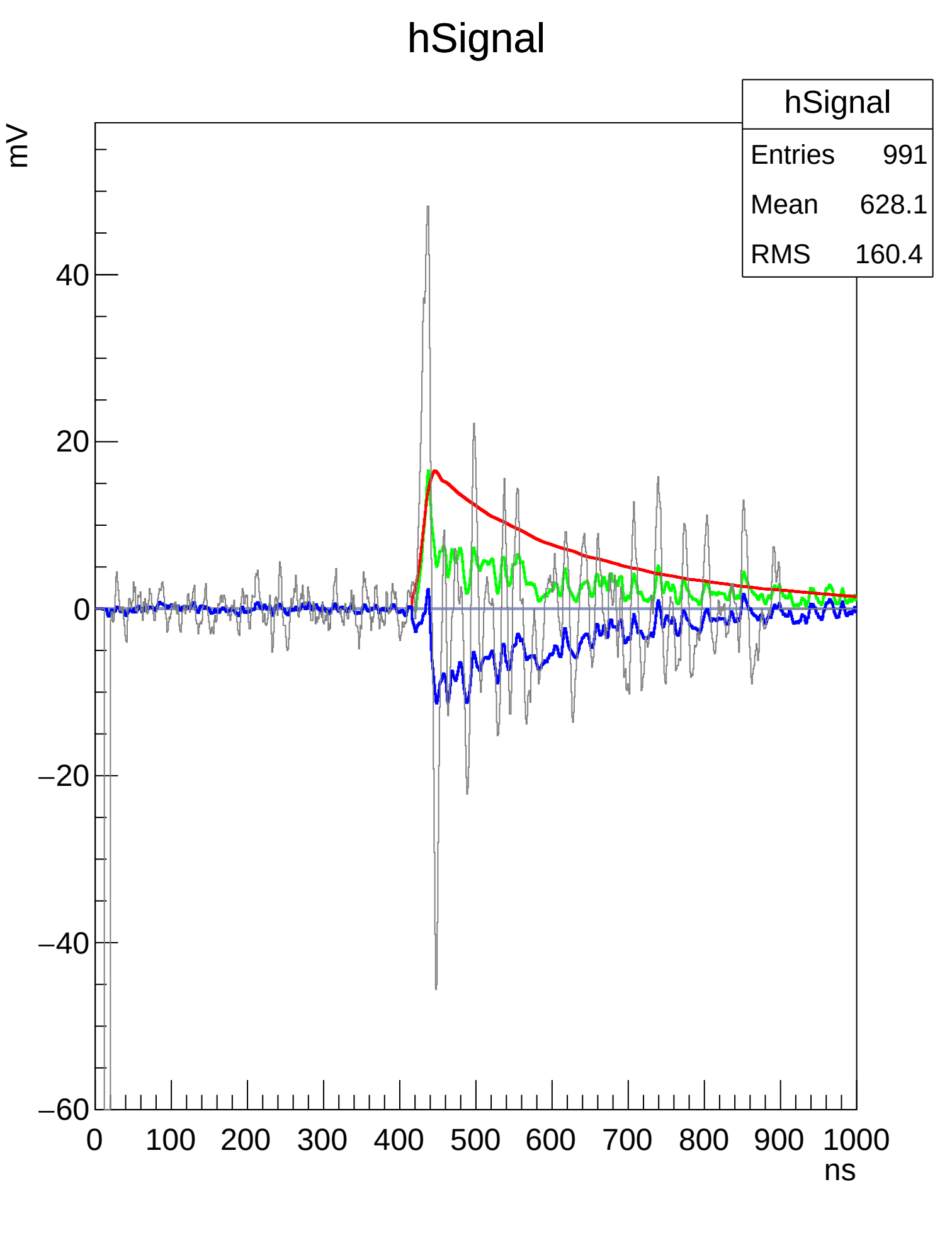
hSignal
hSignal
Entries 991
Mean 628.1
RMS 160.4
mV
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−20
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0
100
200
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400
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600
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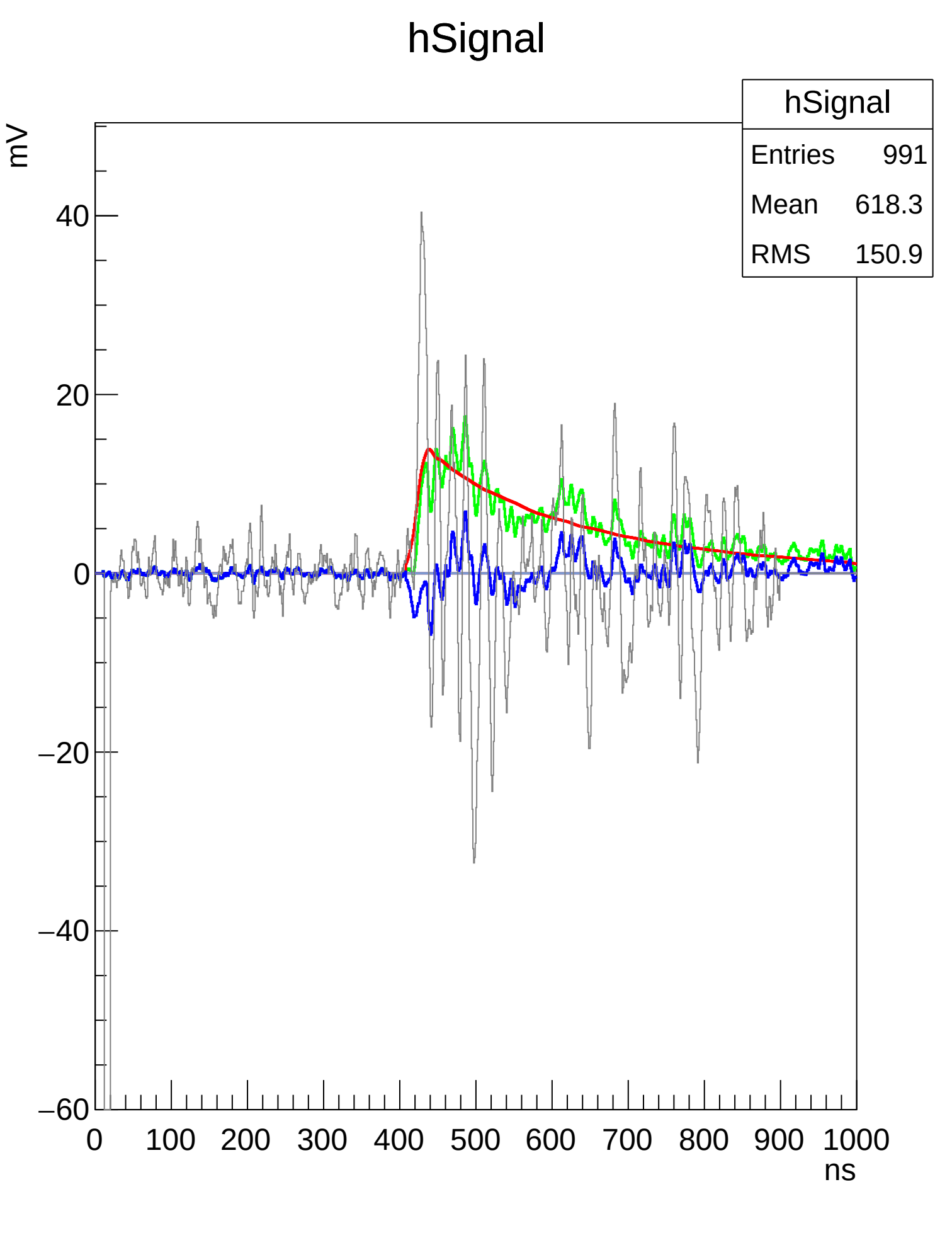
ns


hSignal
hSignal
Entries 991
Mean 618.3
RMS 150.9
mV
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−20
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0
100
200
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400
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800
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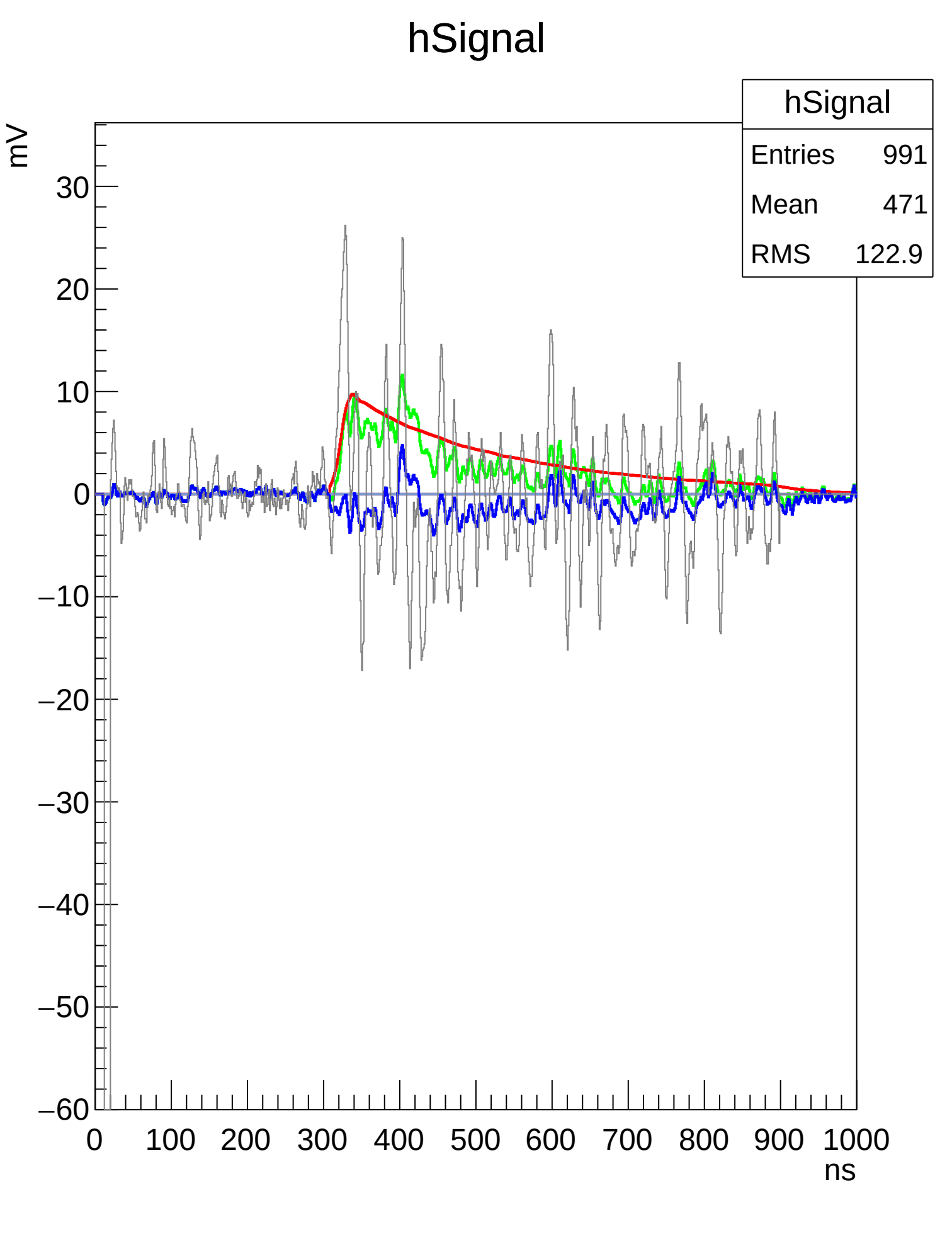
hSignal
hSignal
Entries 991
Mean 471
RMS 122.9
mV
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1000
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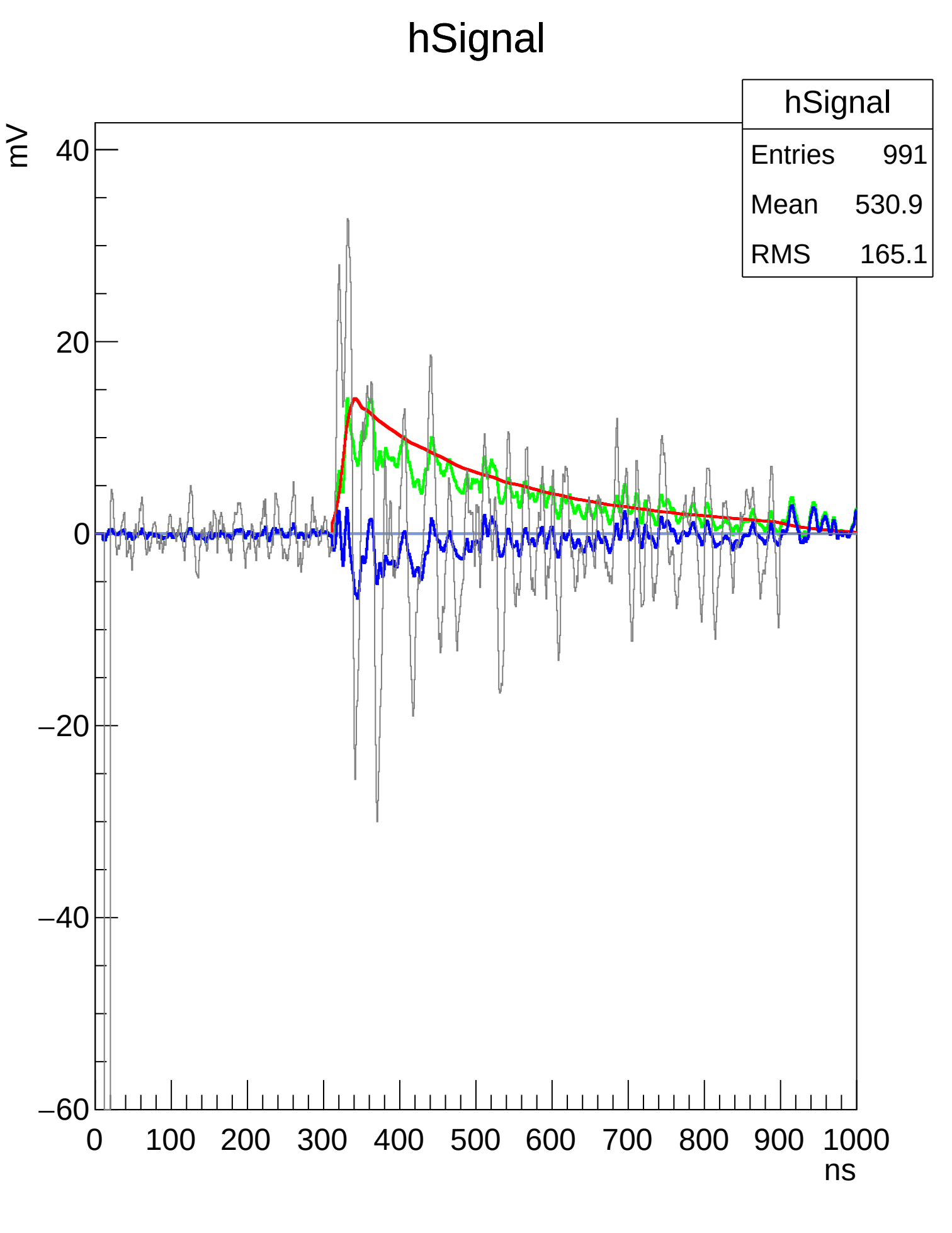
hSignal
hSignal
Entries 991
Mean 530.9
RMS 165.1
mV
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−20
−40
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0
100
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600
700
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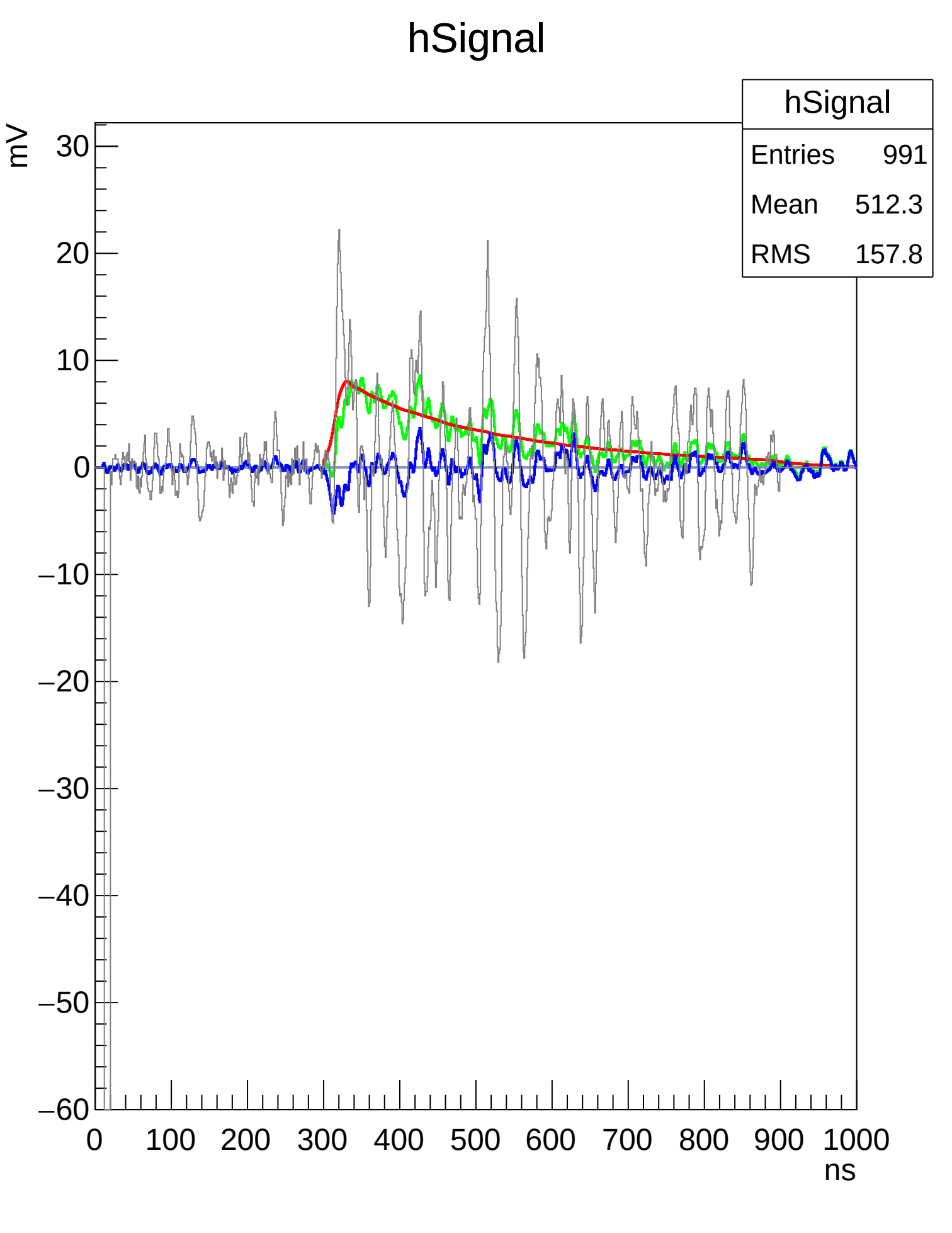
hSignal
hSignal
Entries 991
Mean 512.3
RMS 157.8
mV
30
20
10
0
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−50
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0
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400
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800
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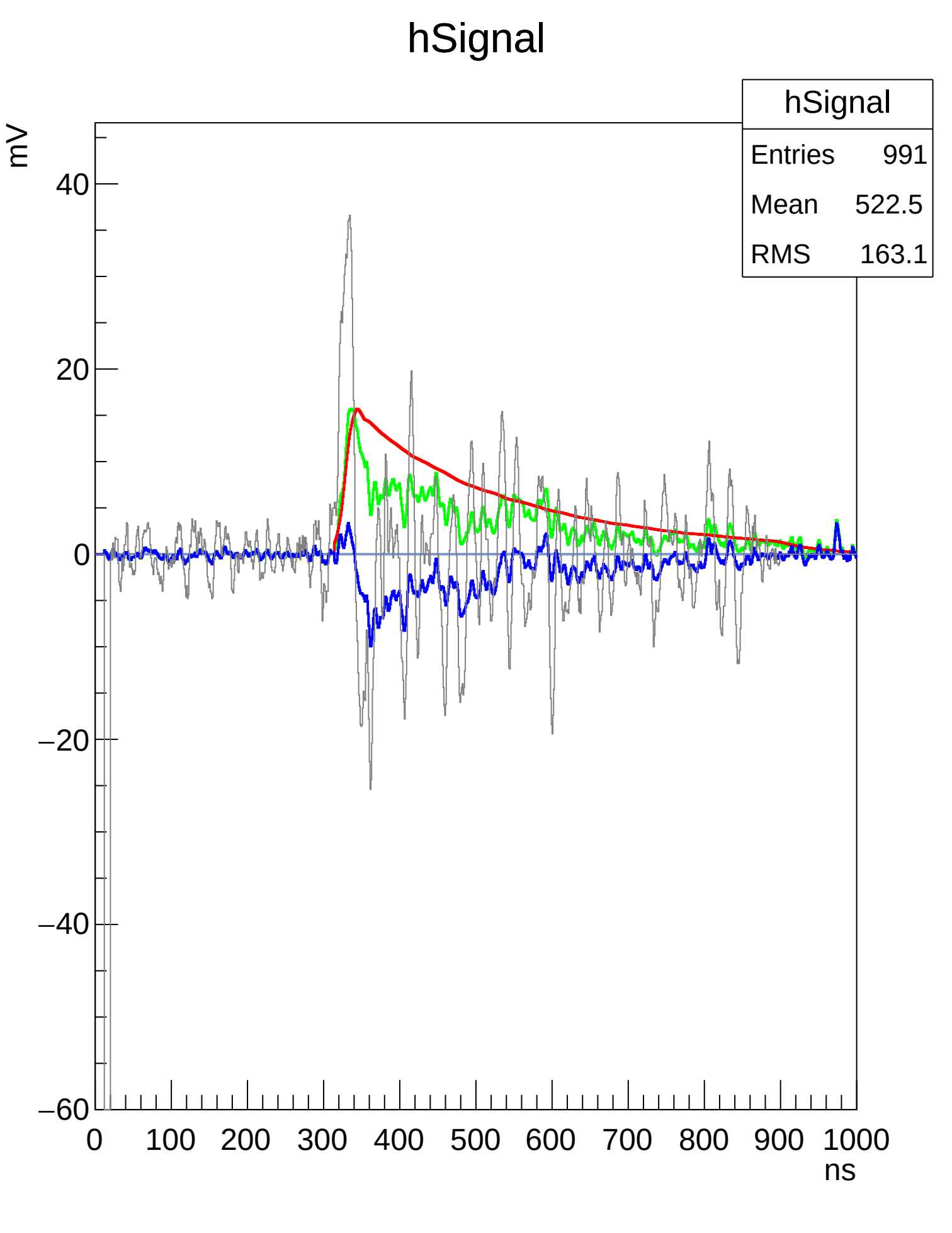
1000
ns


hSignal
hSignal
Entries 991
Mean 522.5
RMS 163.1
mV
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−20
−40
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0
100
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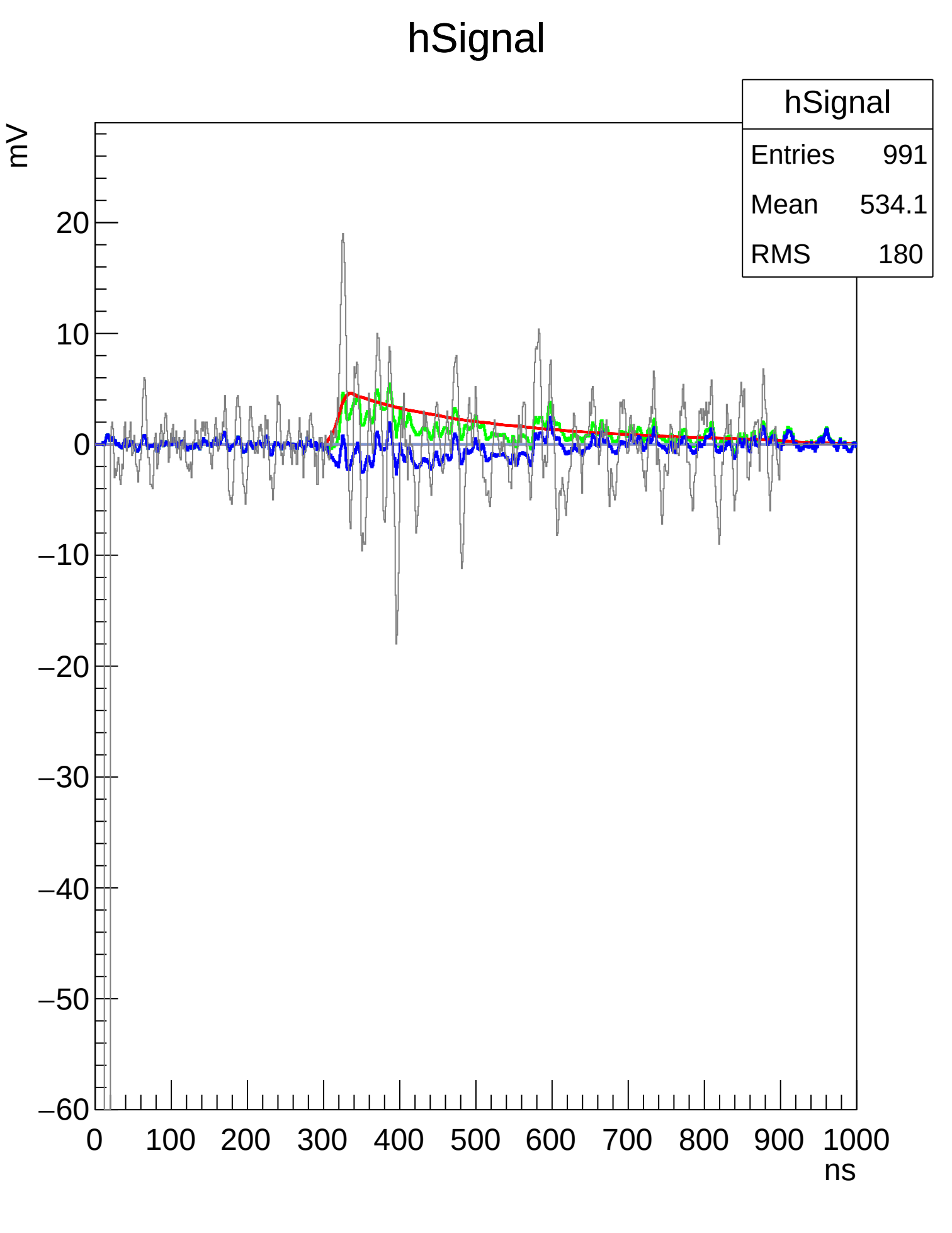
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.1
RMS 180
mV
20
10
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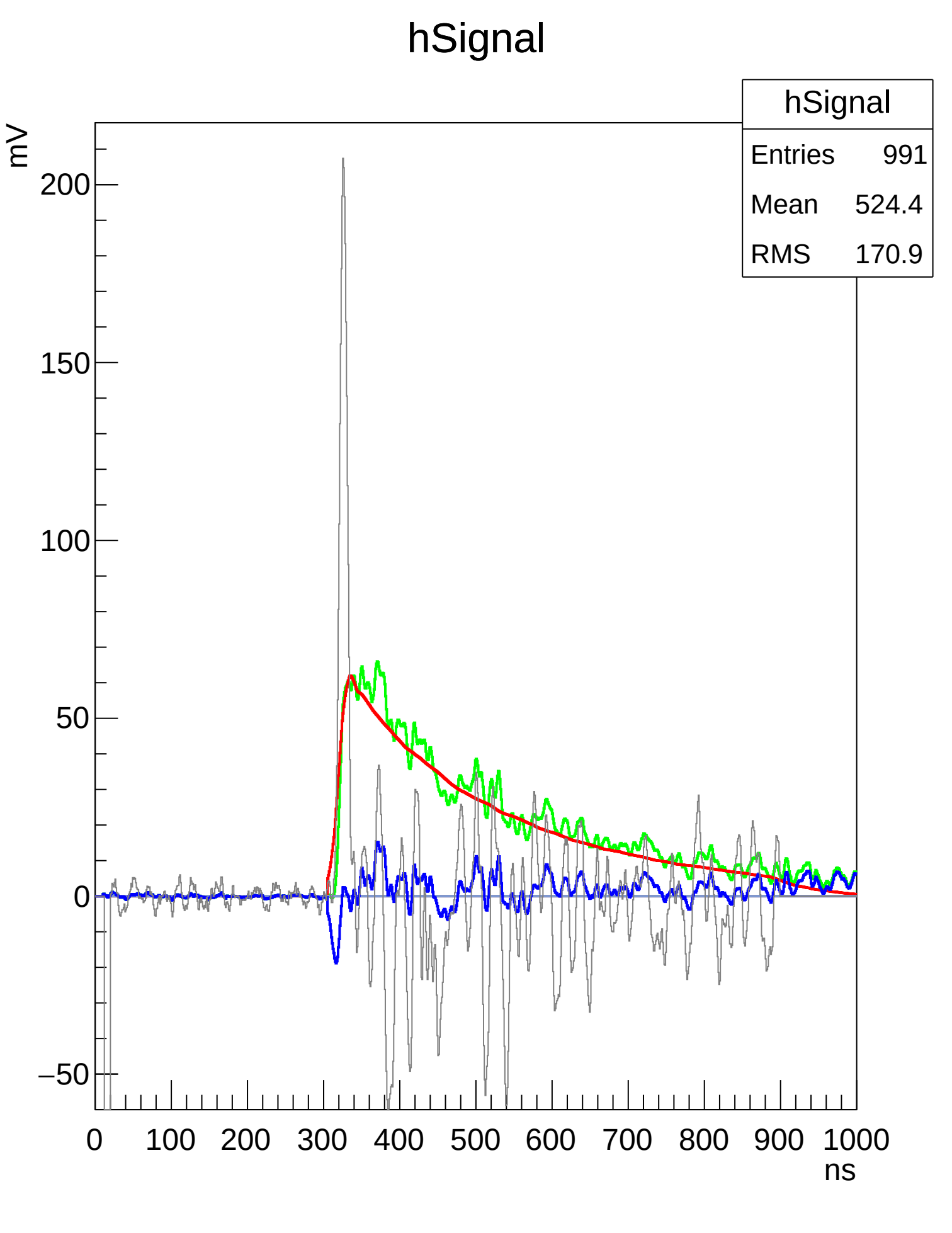
hSignal
hSignal
Entries 991
Mean 524.4
RMS 170.9
mV
200
150
100
50
0
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0
100
200
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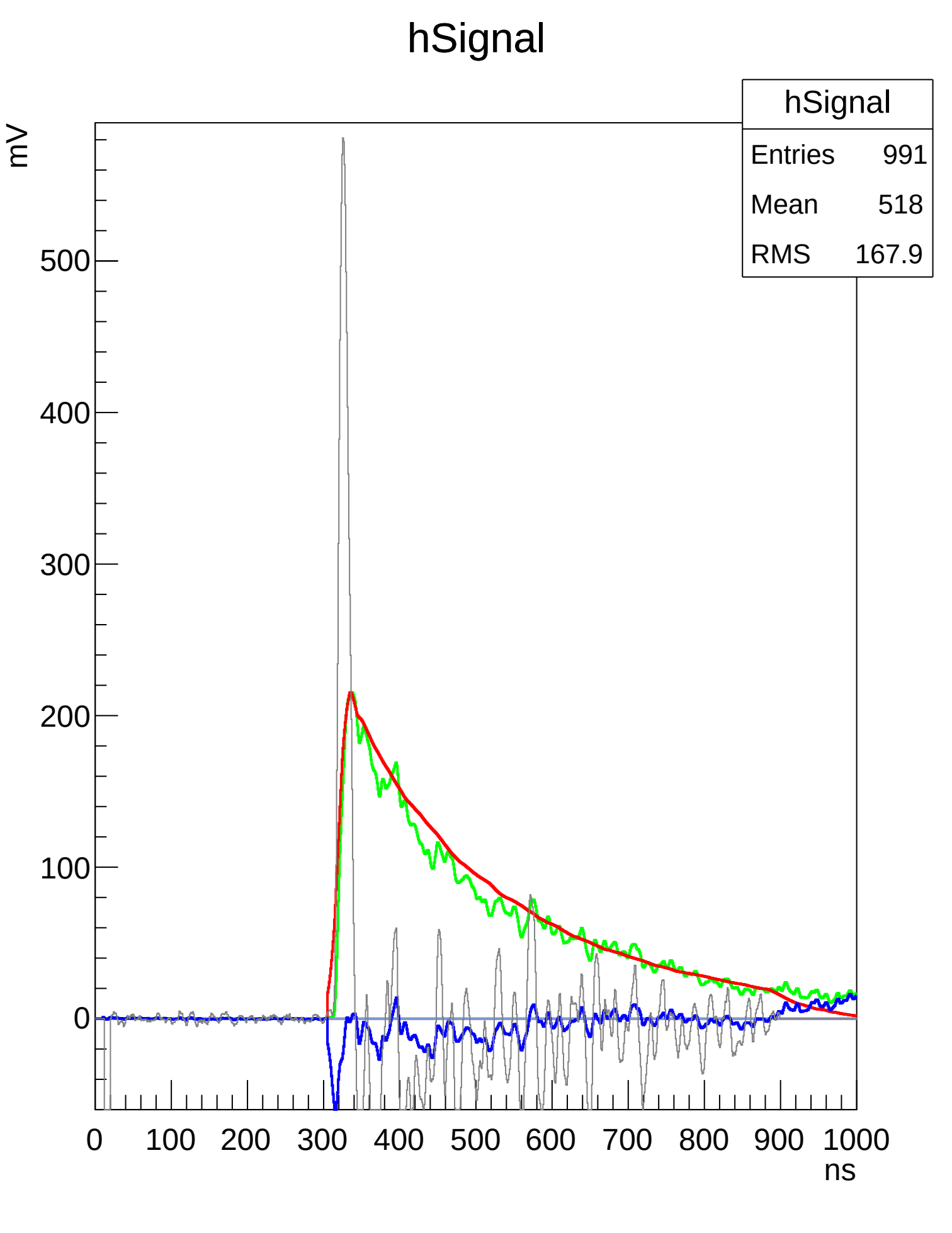
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518
RMS 167.9
mV
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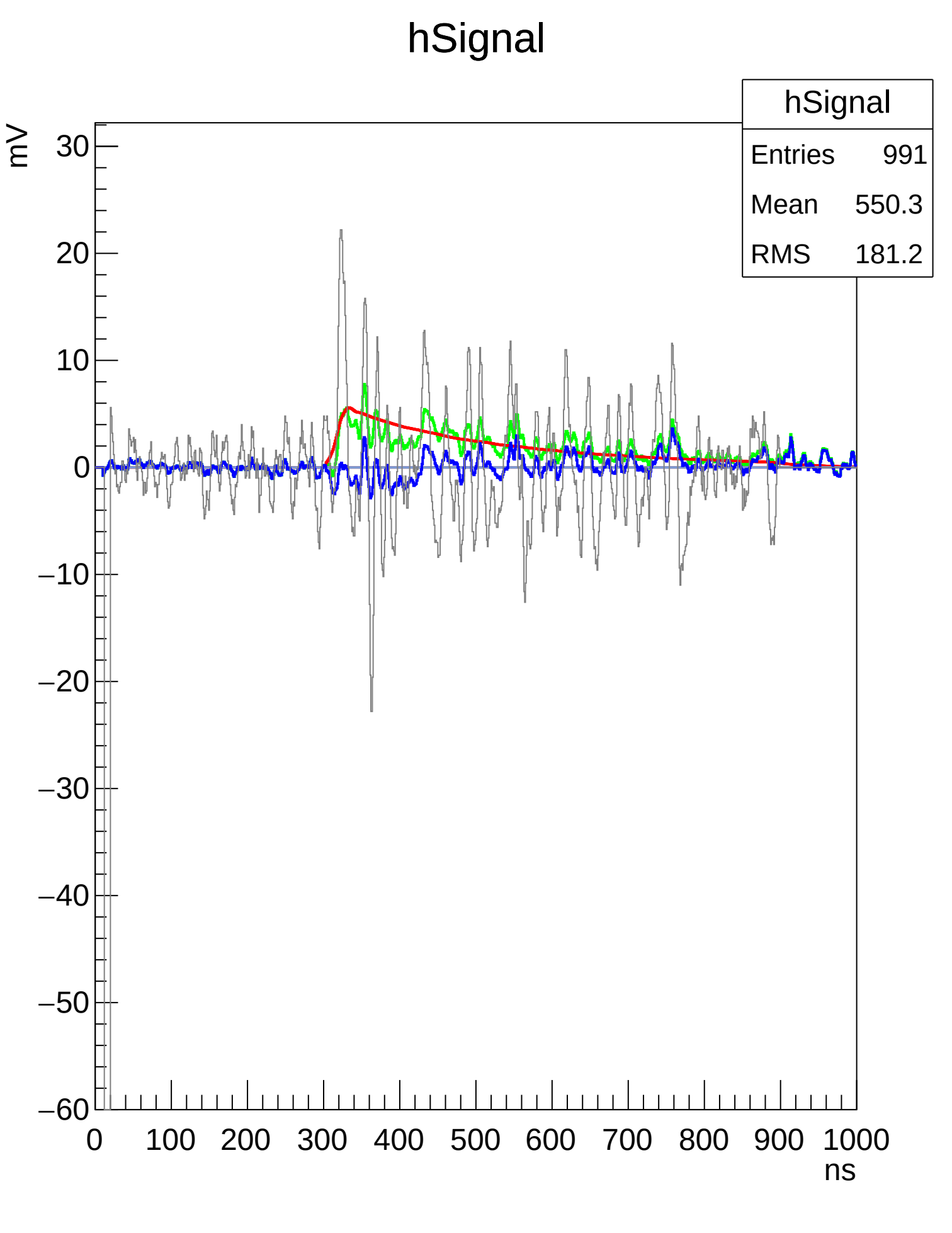
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.3
RMS 181.2
mV
30
20
10
0
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−20
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−50
−60
0
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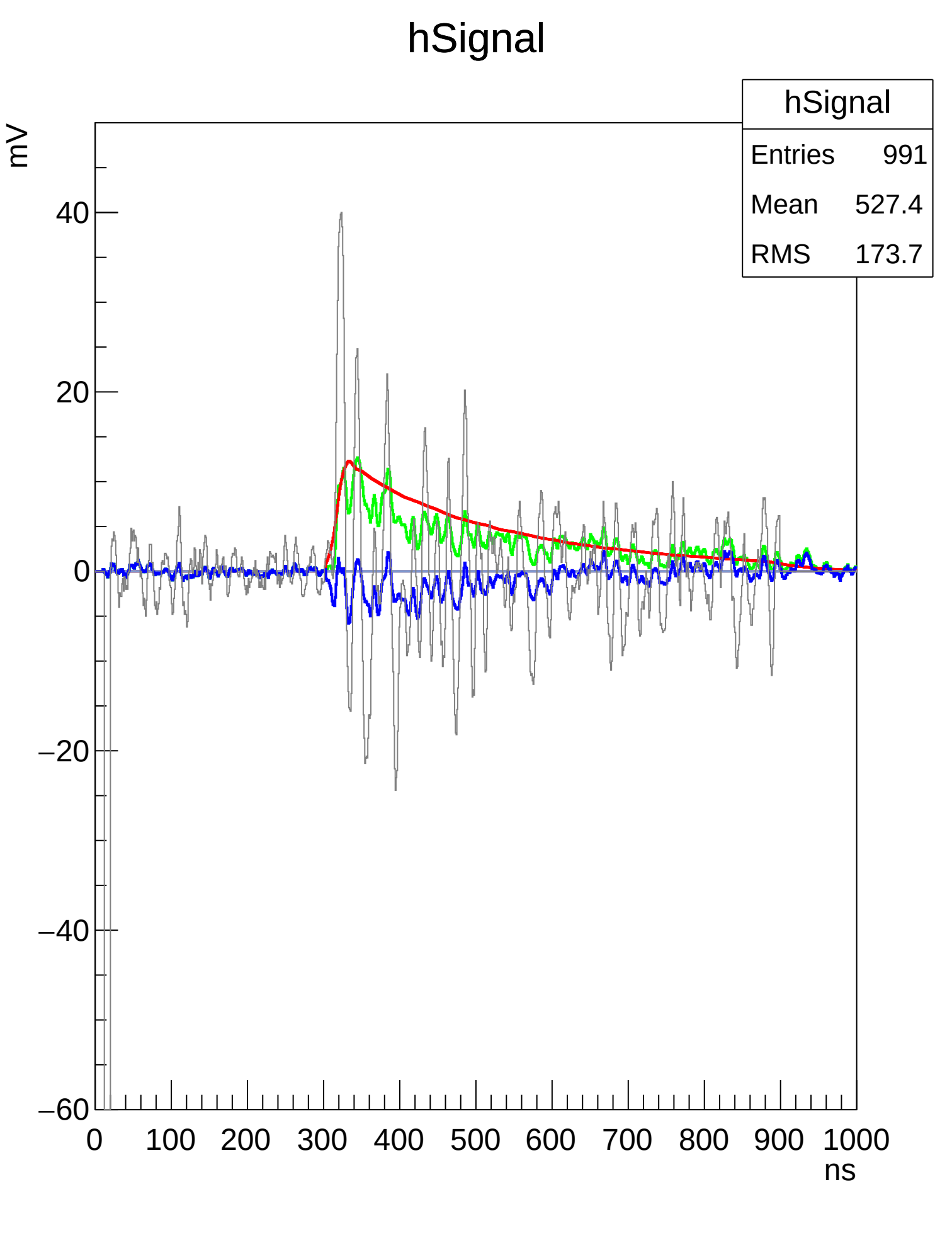
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.4
RMS 173.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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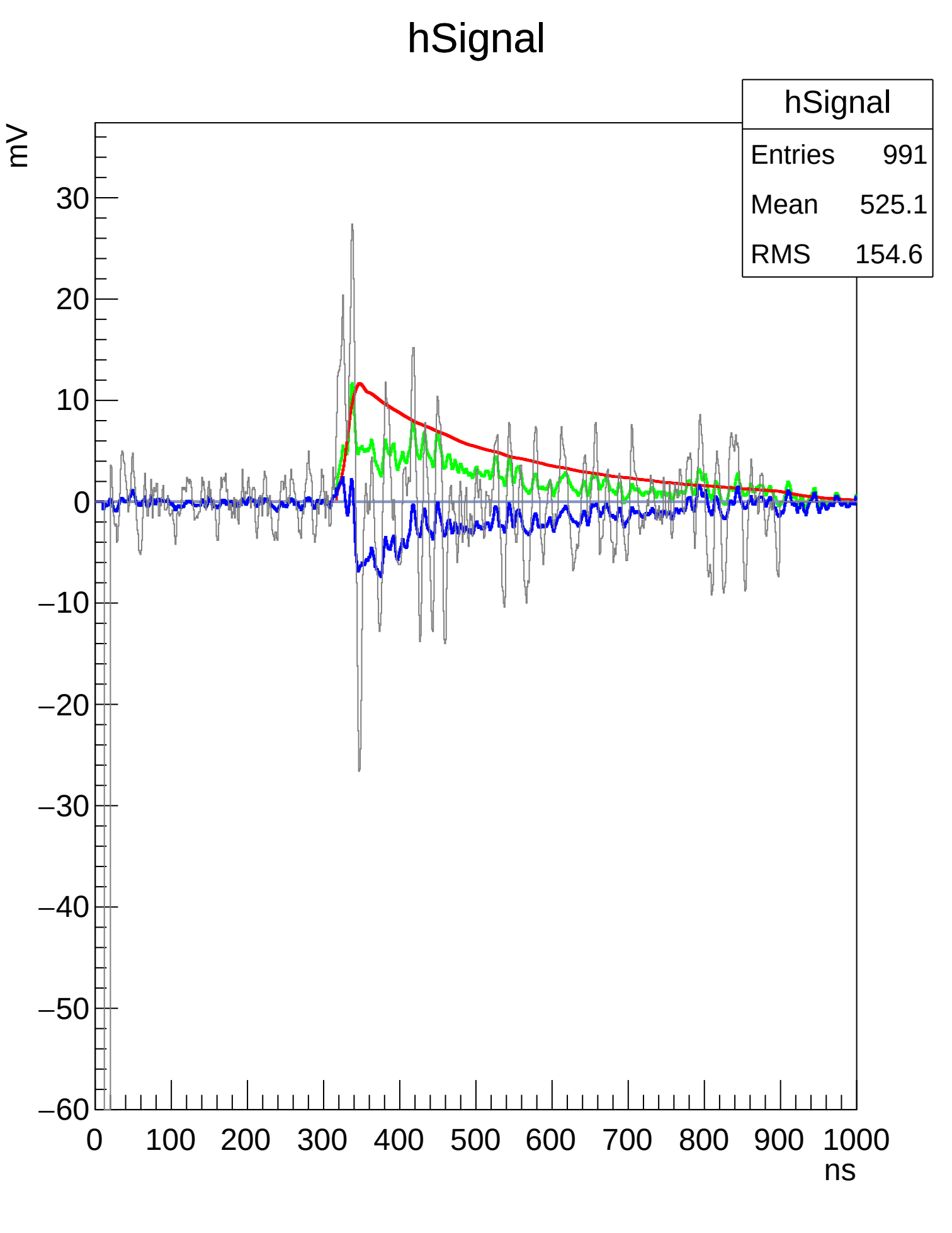
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.1
RMS 154.6
mV
30
20
10
0
−10
−20
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−40
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400
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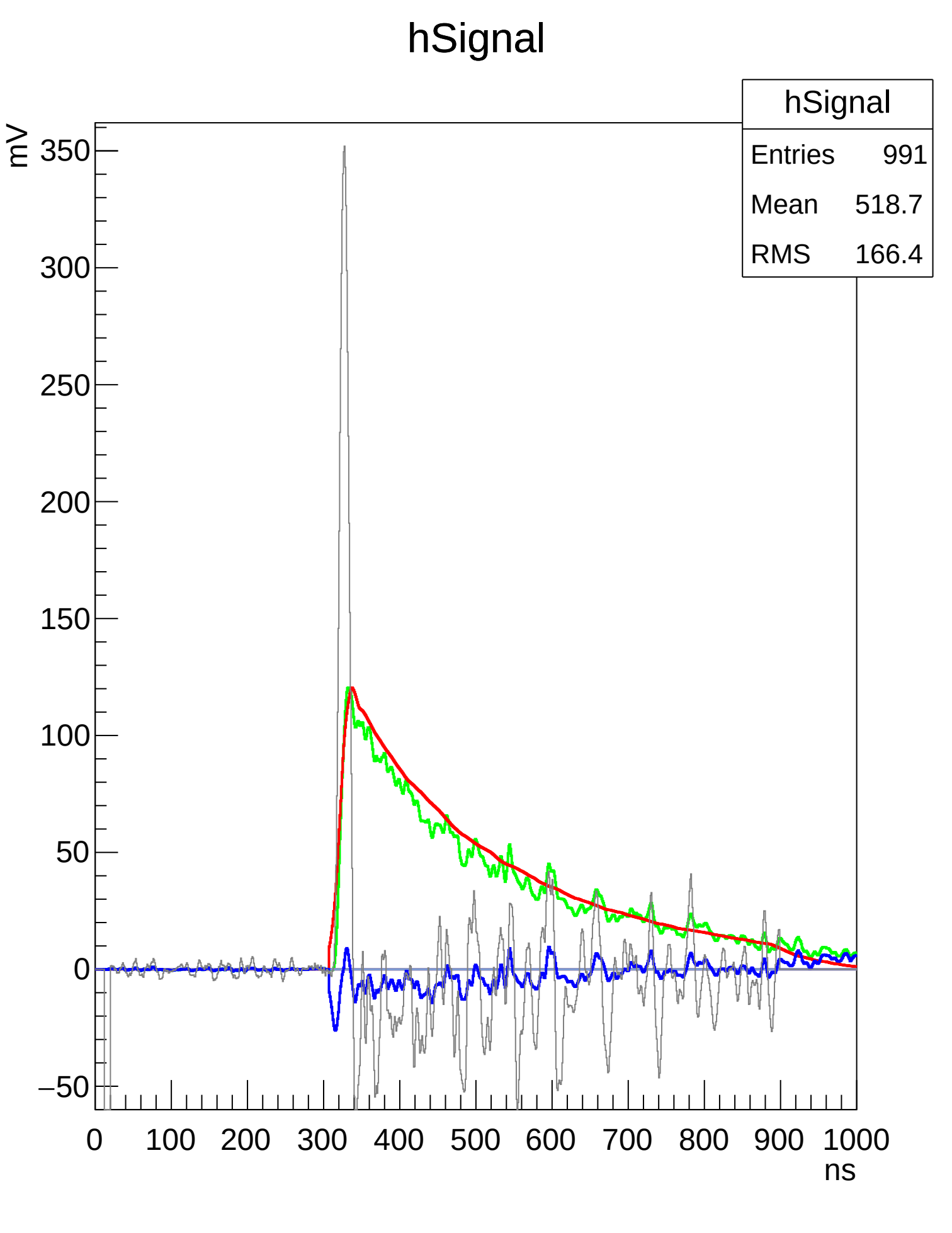
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.7
RMS 166.4
mV
350
300
250
200
150
100
50
0
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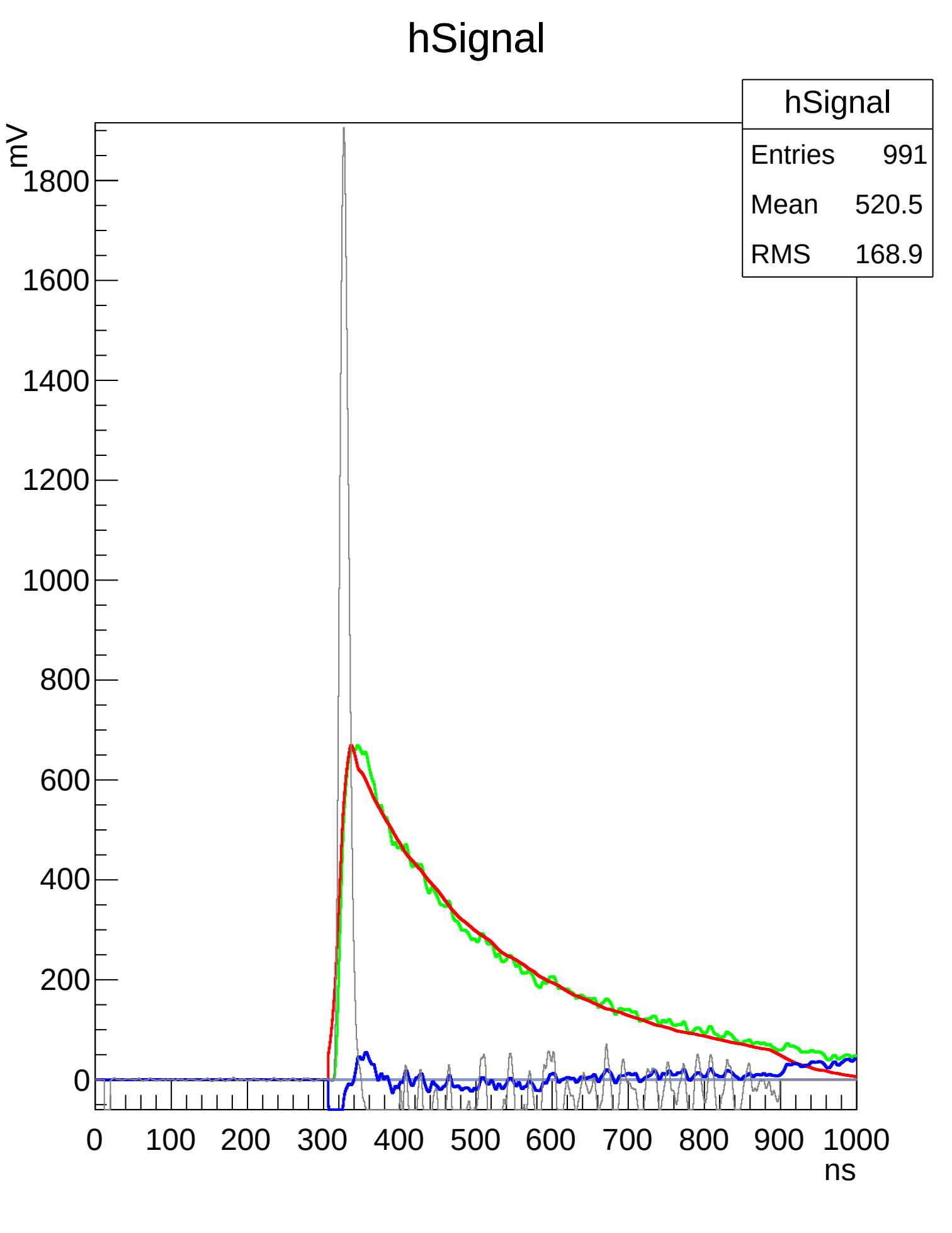
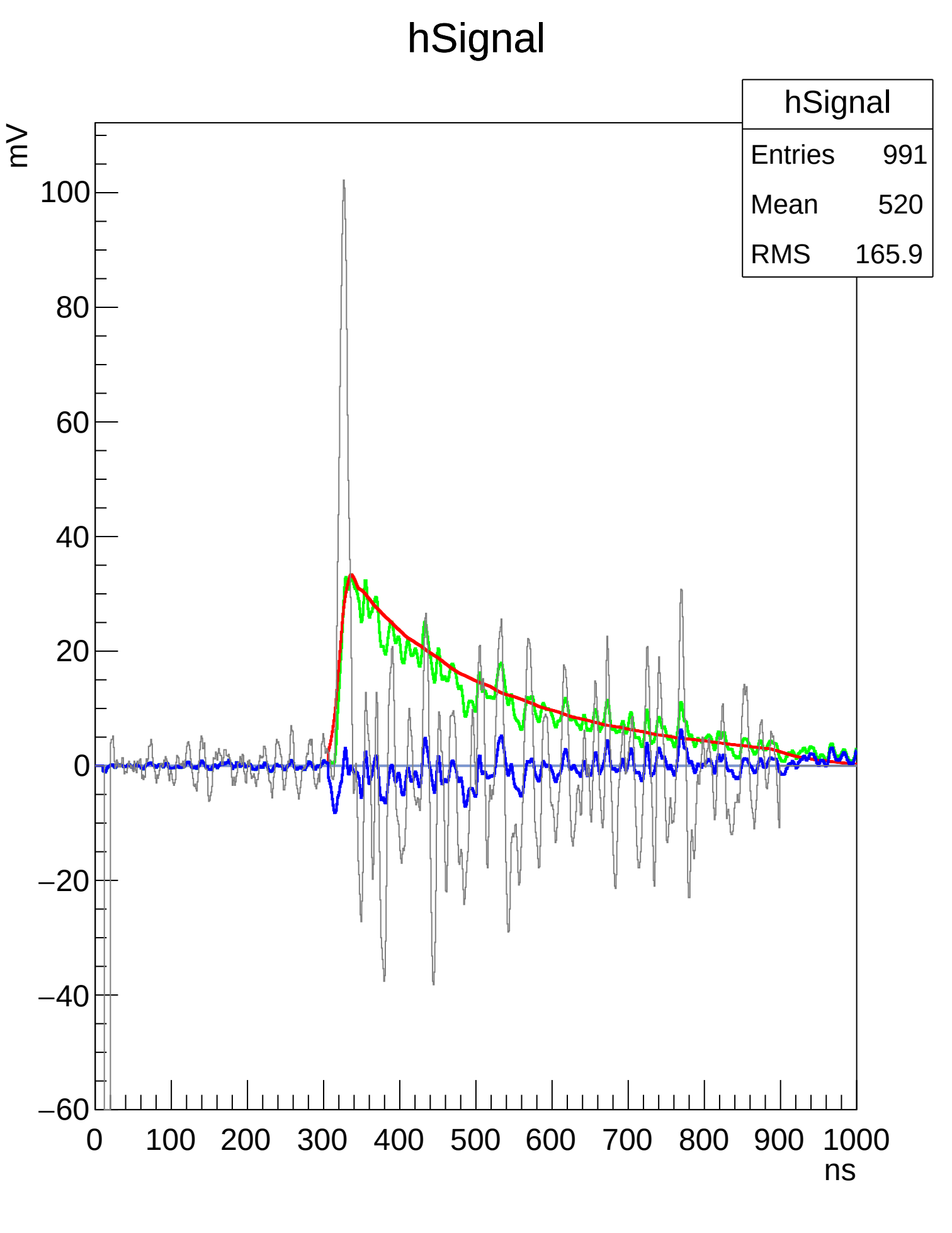
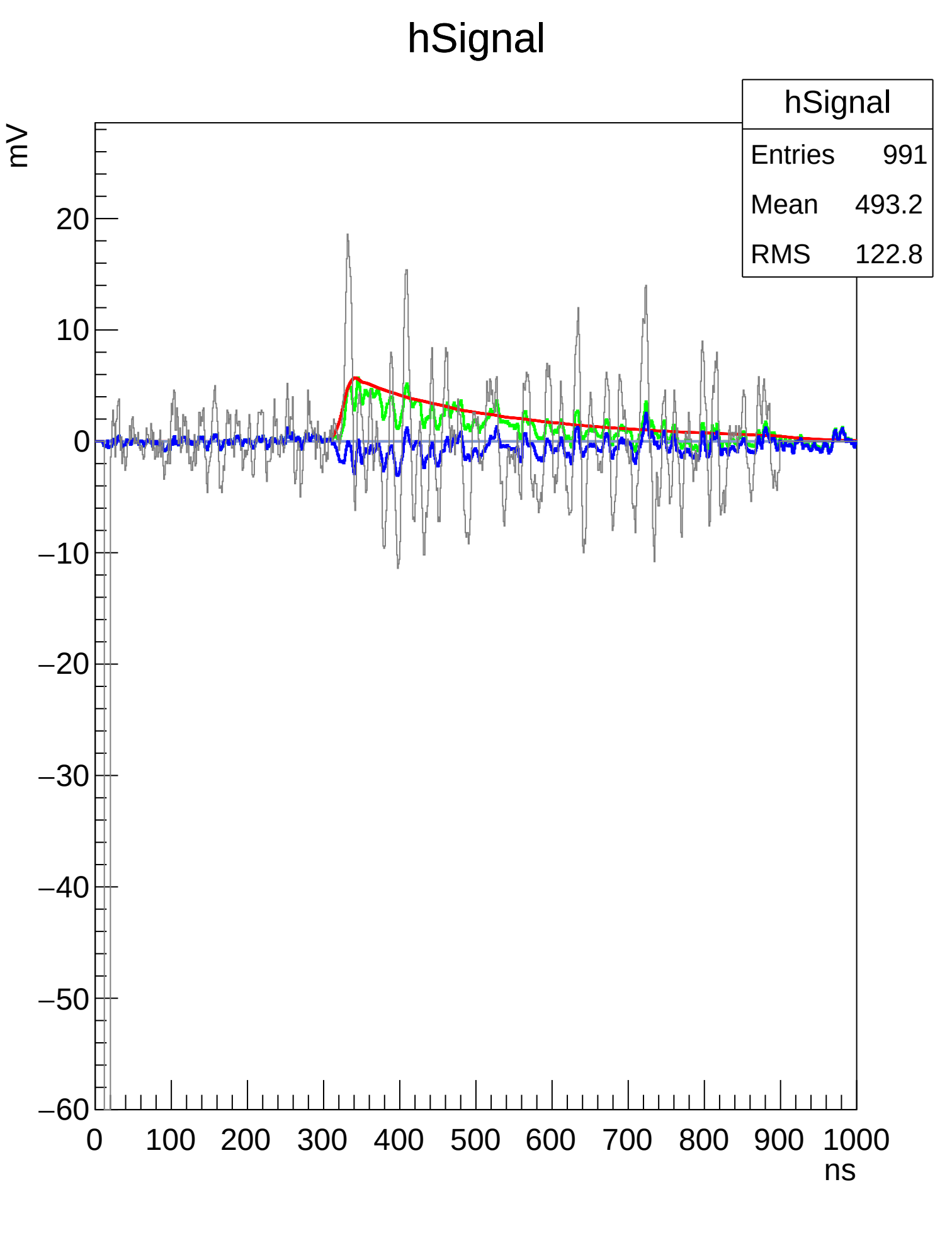
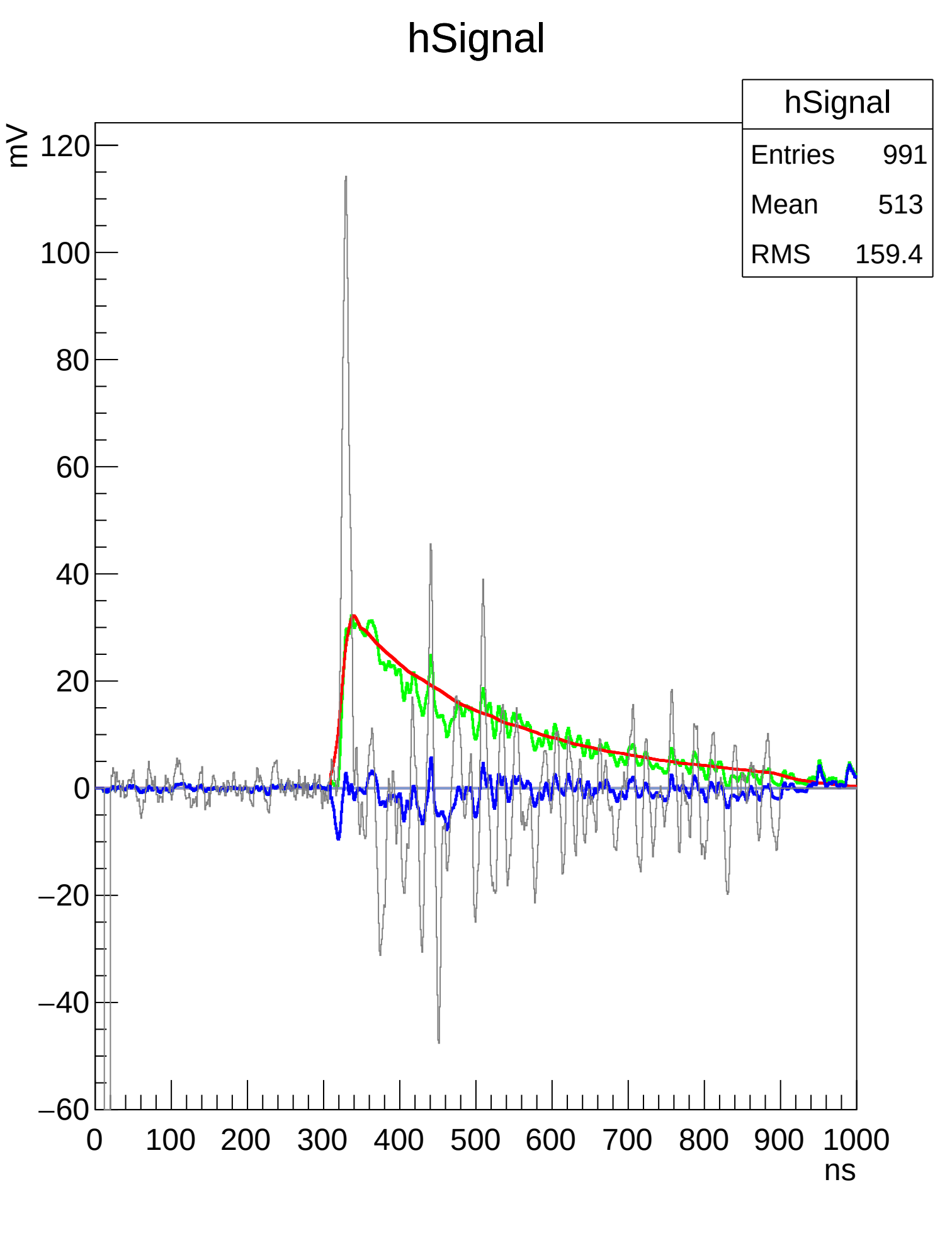
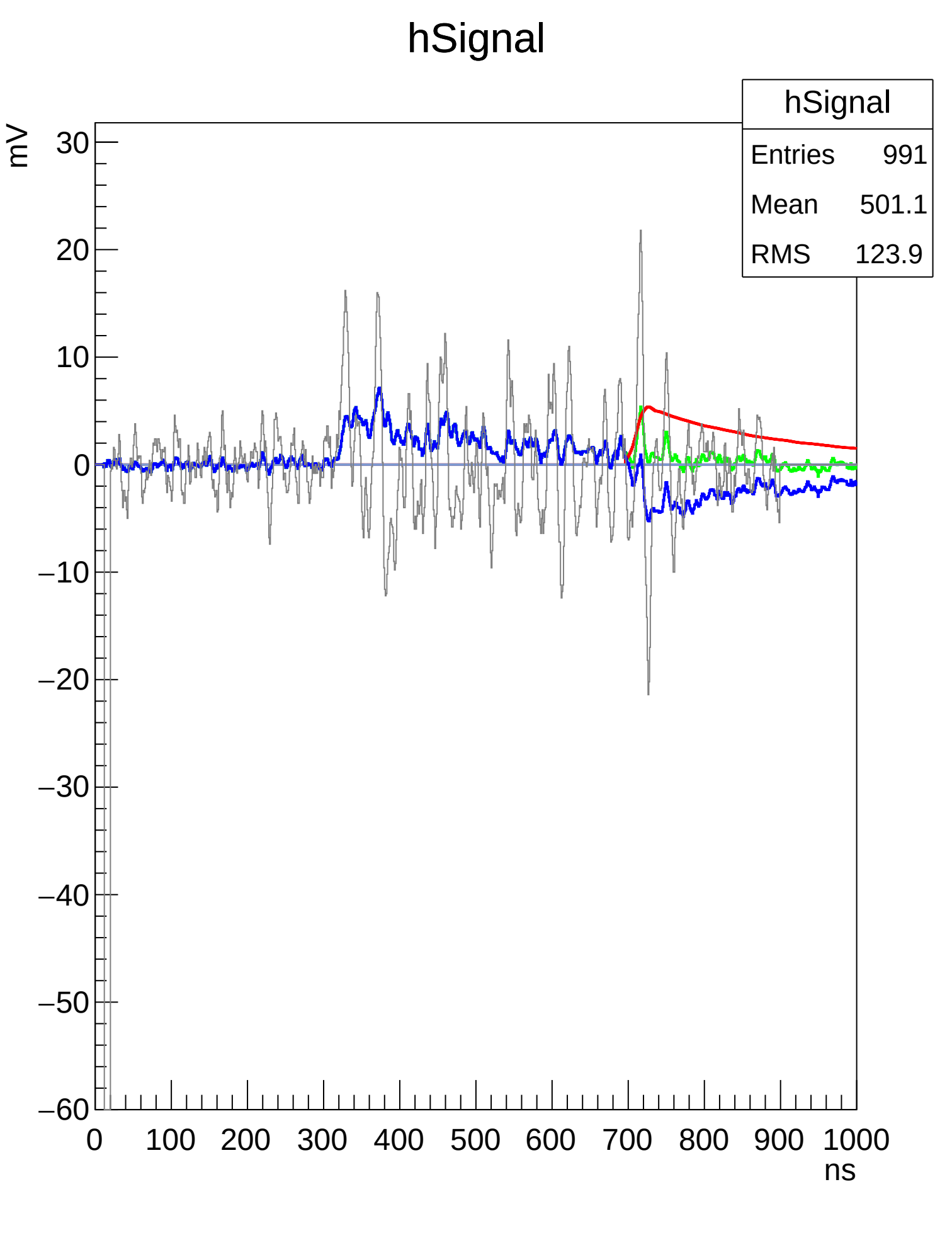
0
100
200
300
400
500
600
700
800
900
1000
ns

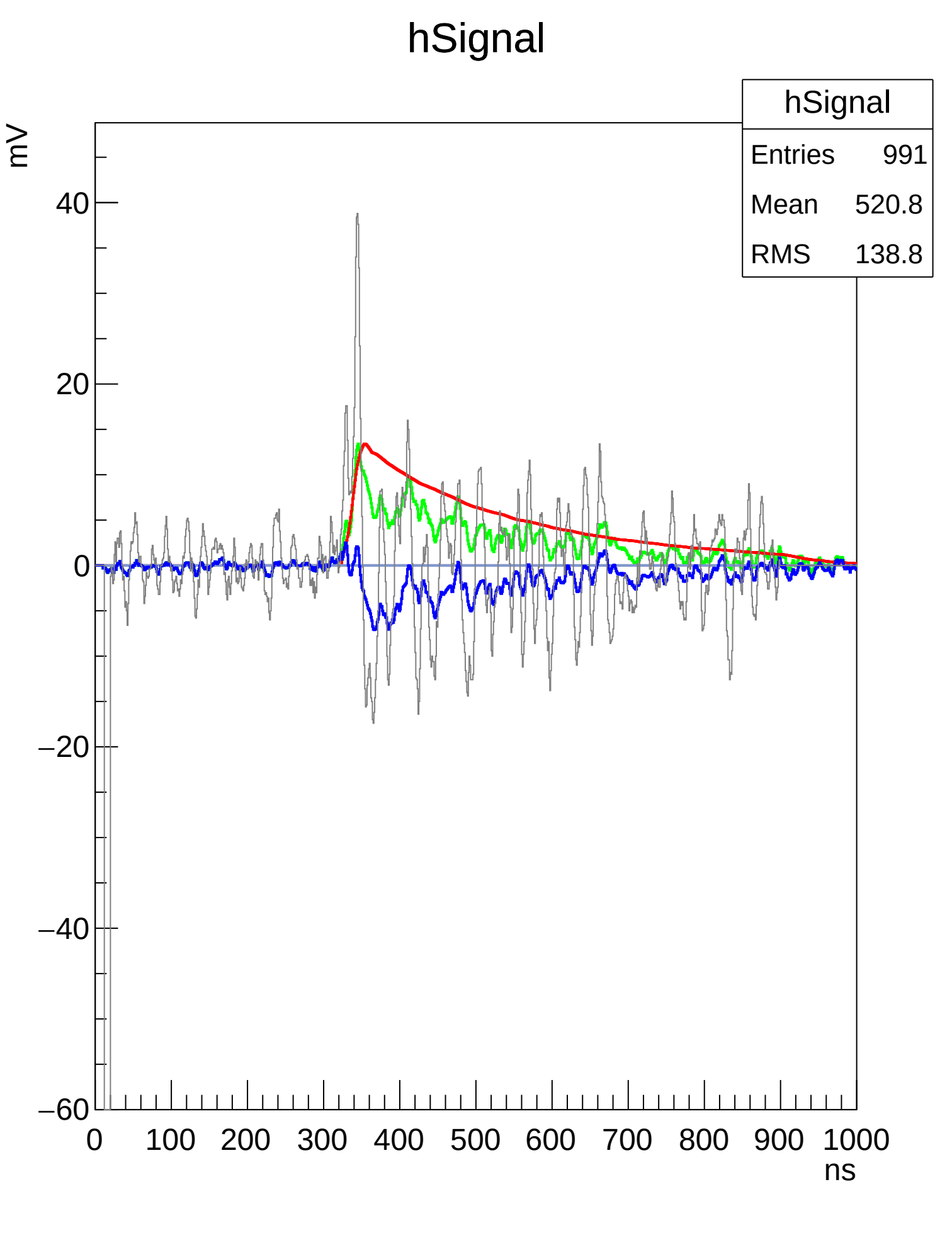

hSignal
hSignal
Entries 991
Mean 520.5
RMS 168.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520
RMS 165.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.2
RMS 122.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513
RMS 159.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.1
RMS 123.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.8
RMS 138.8
mV
40
20
0
−20
−40
−60
0
100
200
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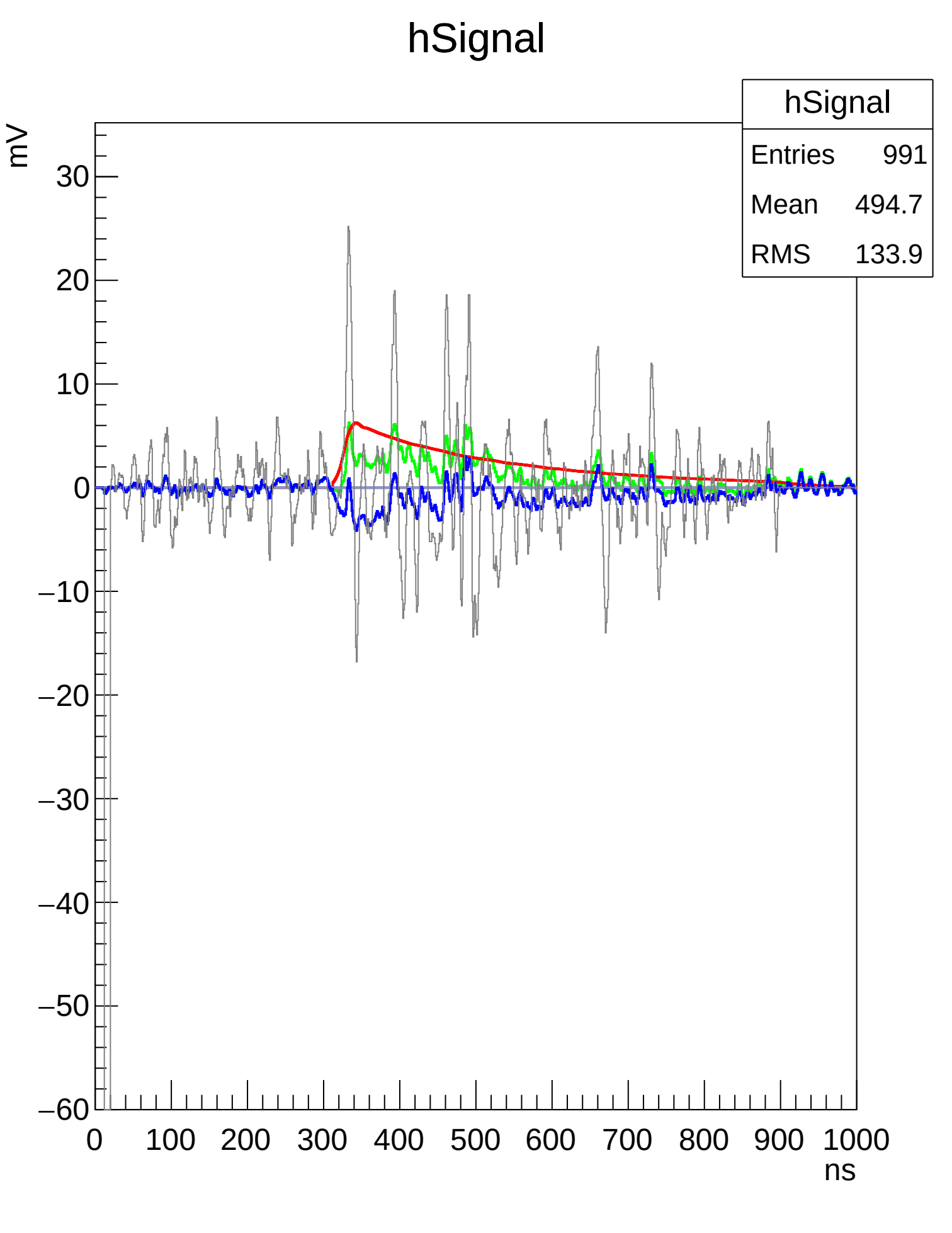
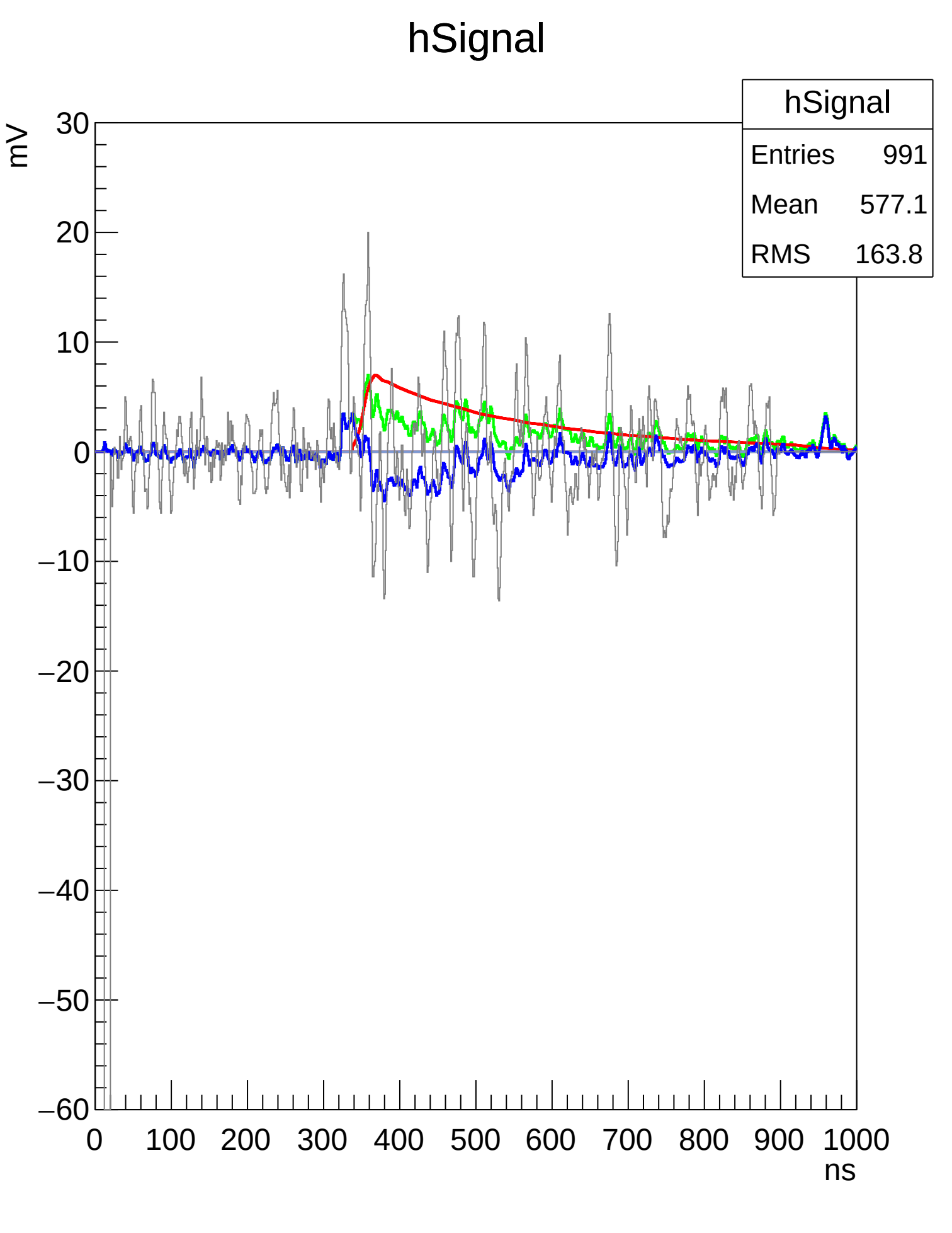
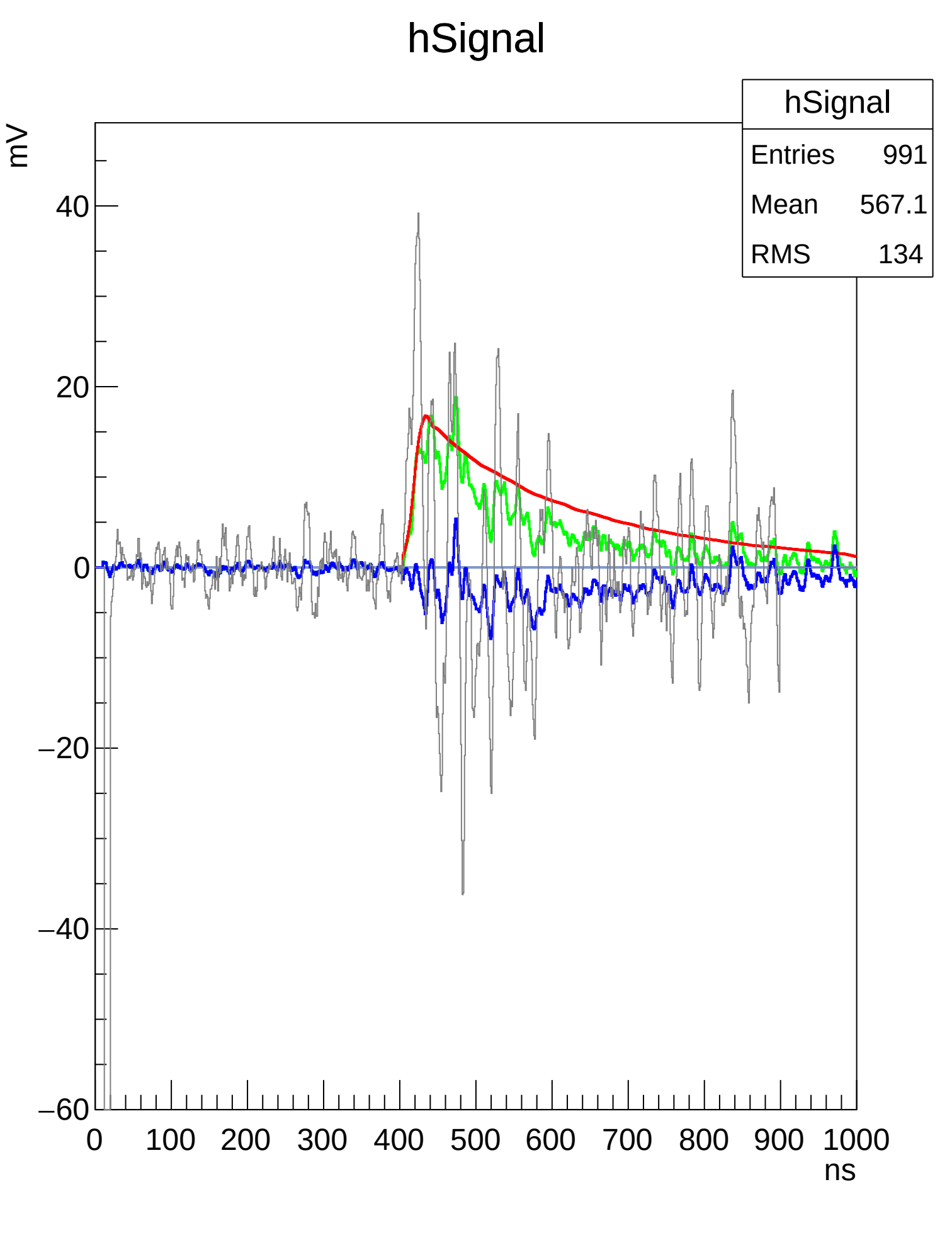
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.7
RMS 133.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.1
RMS 163.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.1
RMS 134
mV
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−20
−40
−60
0
100
200
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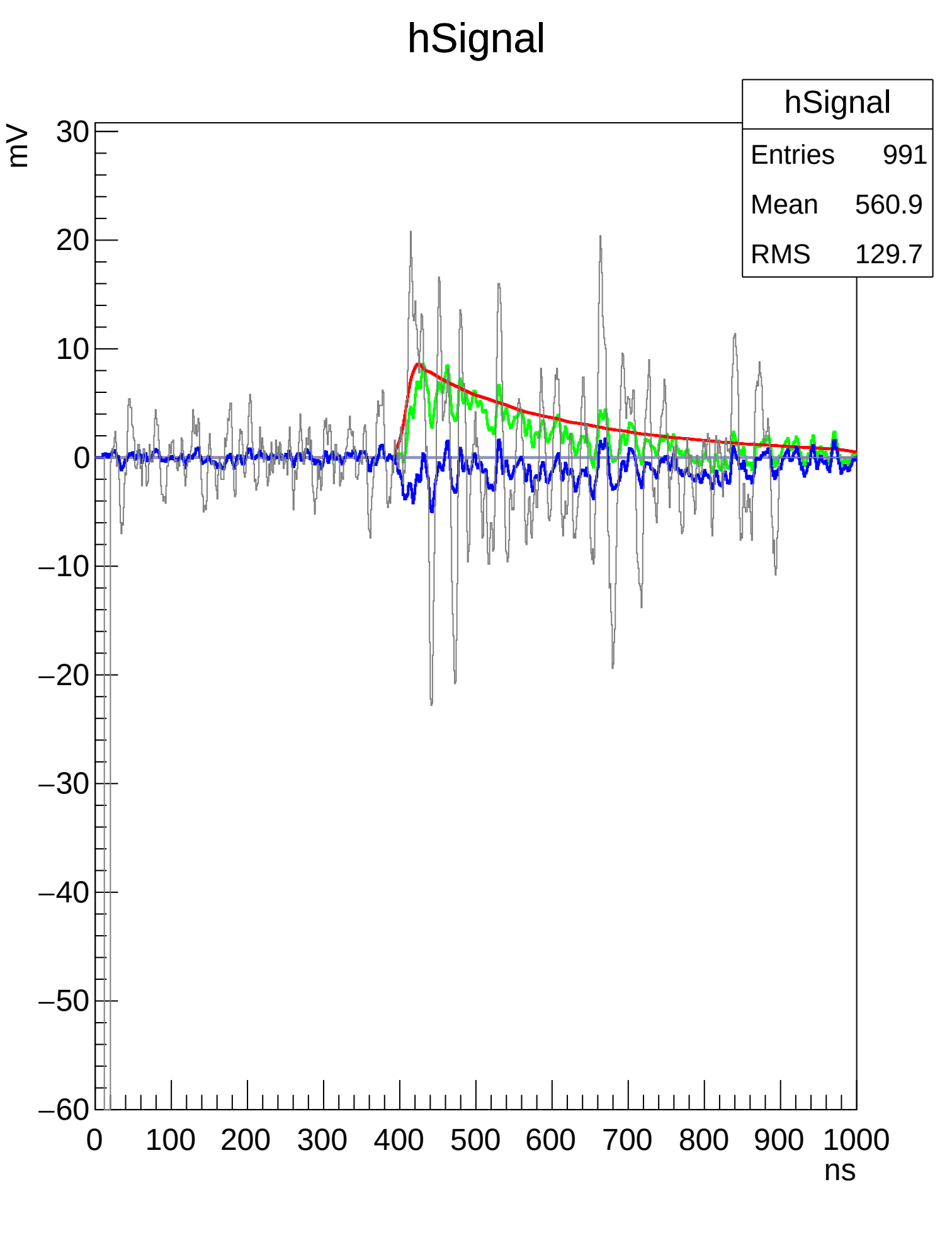
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.9
RMS 129.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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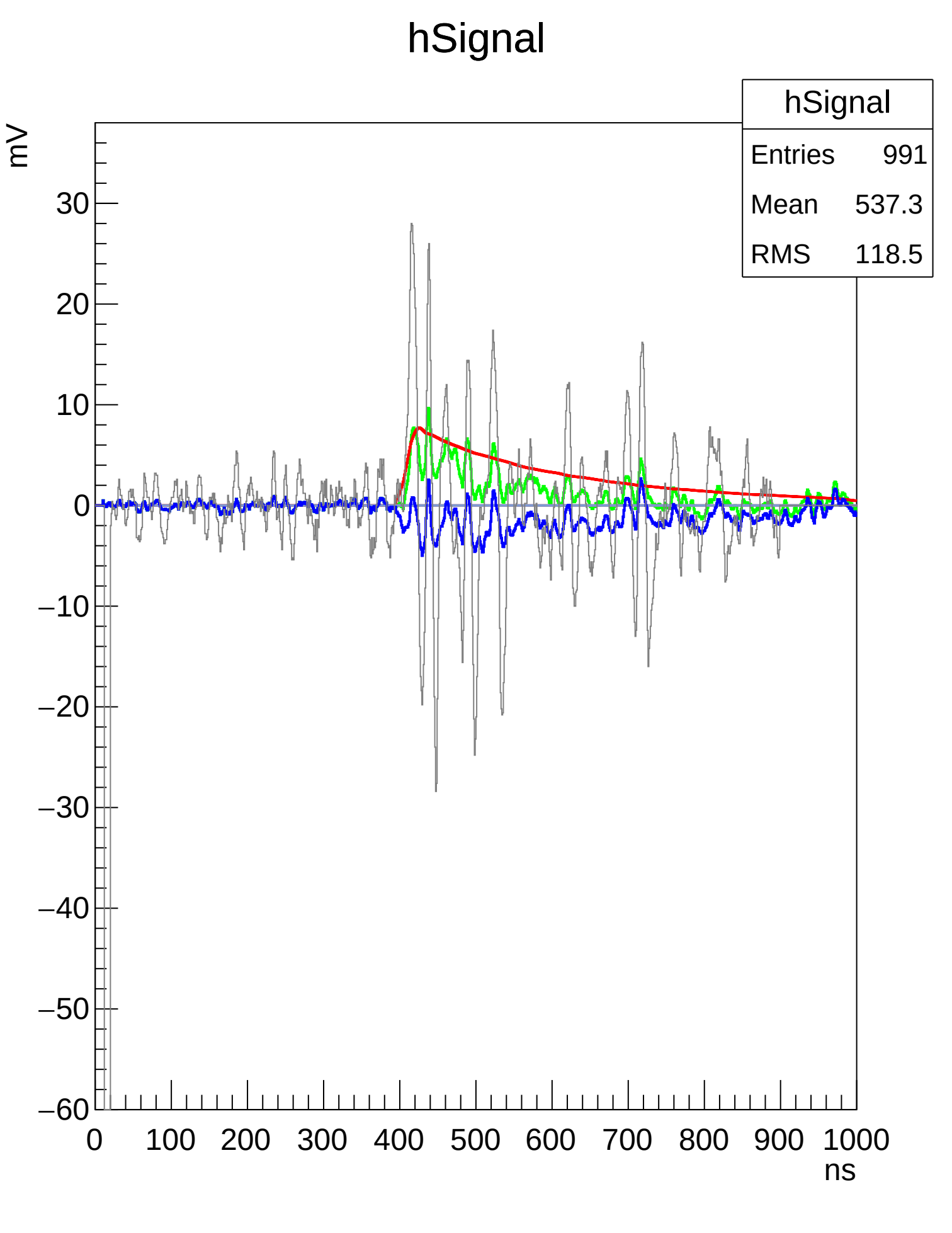
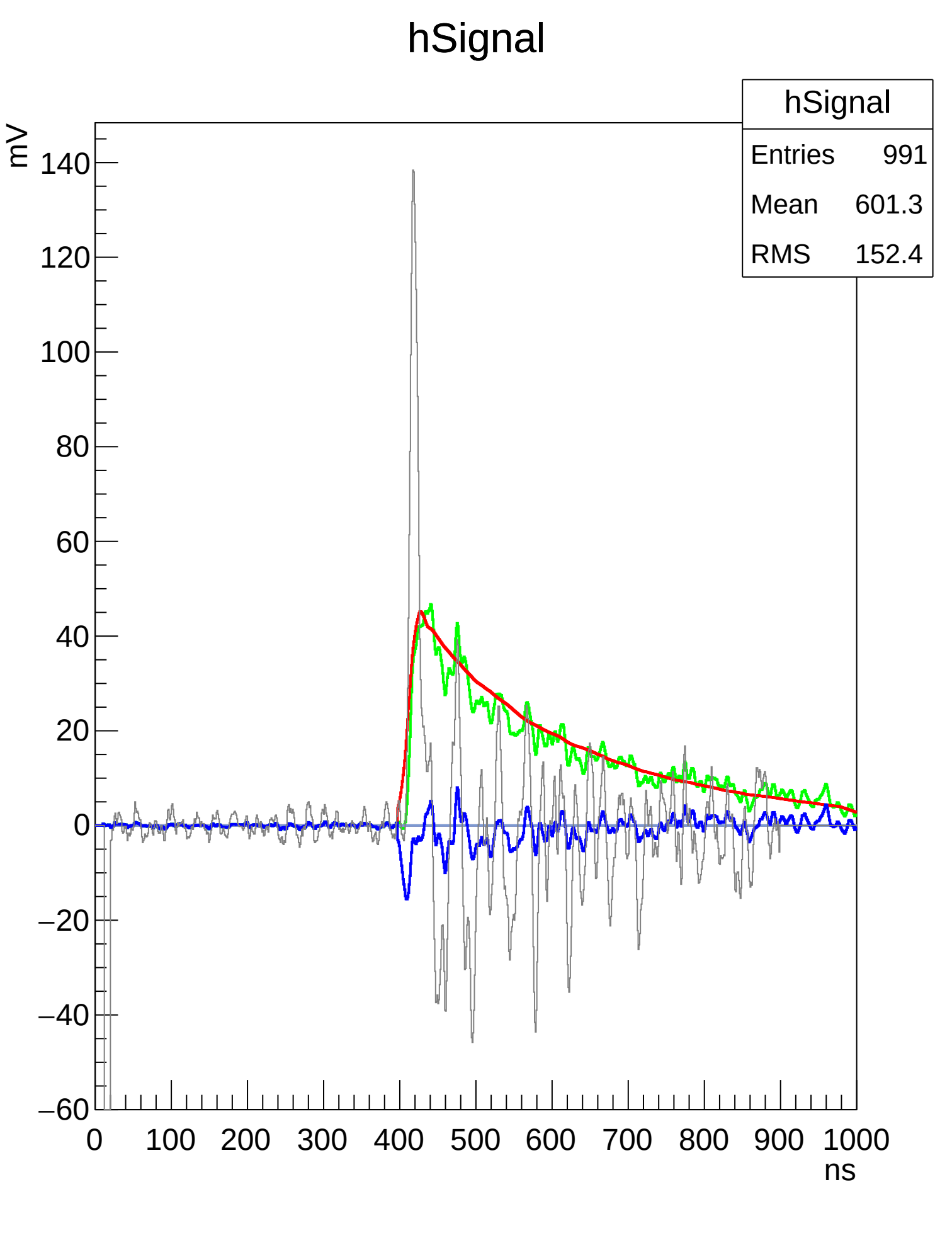
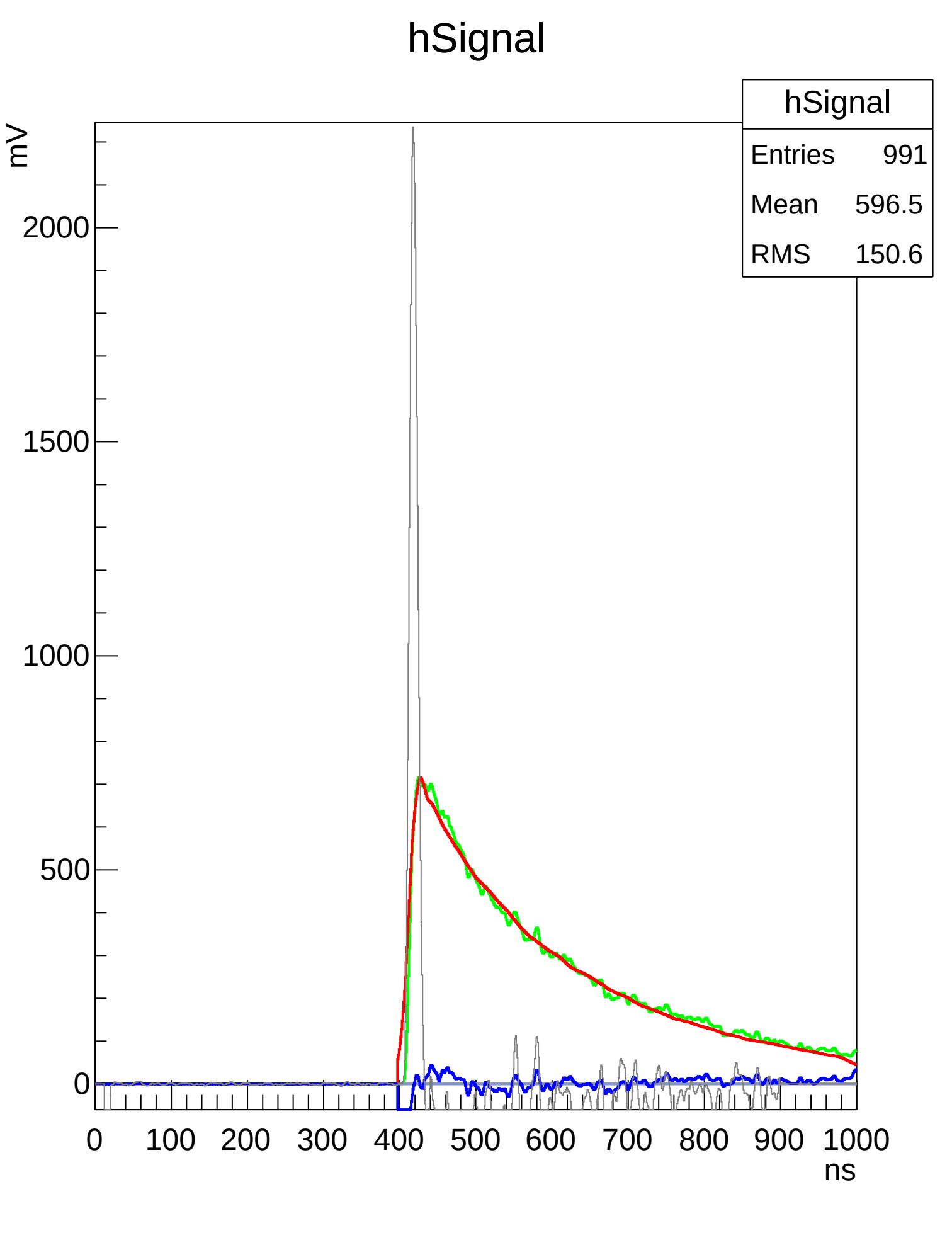
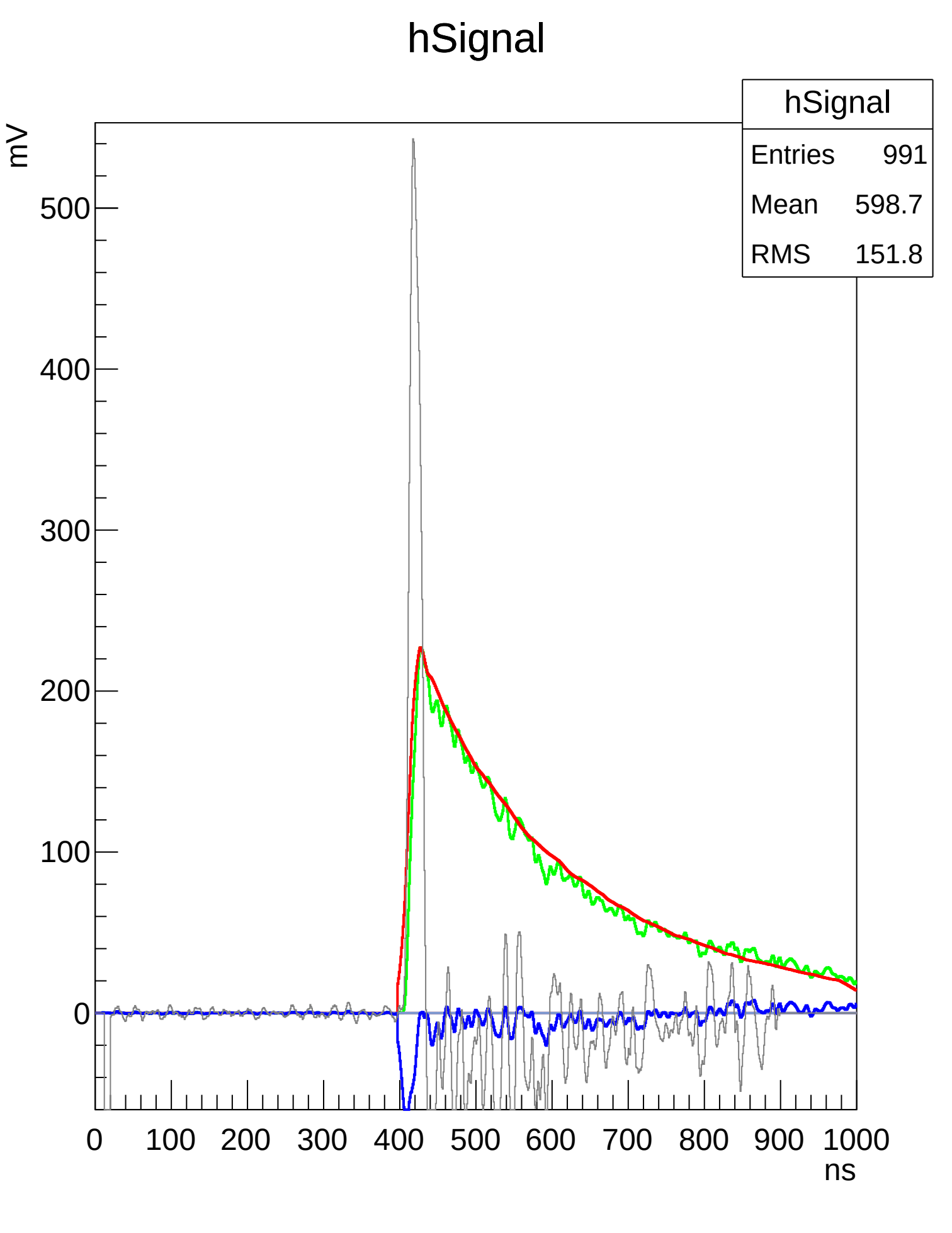
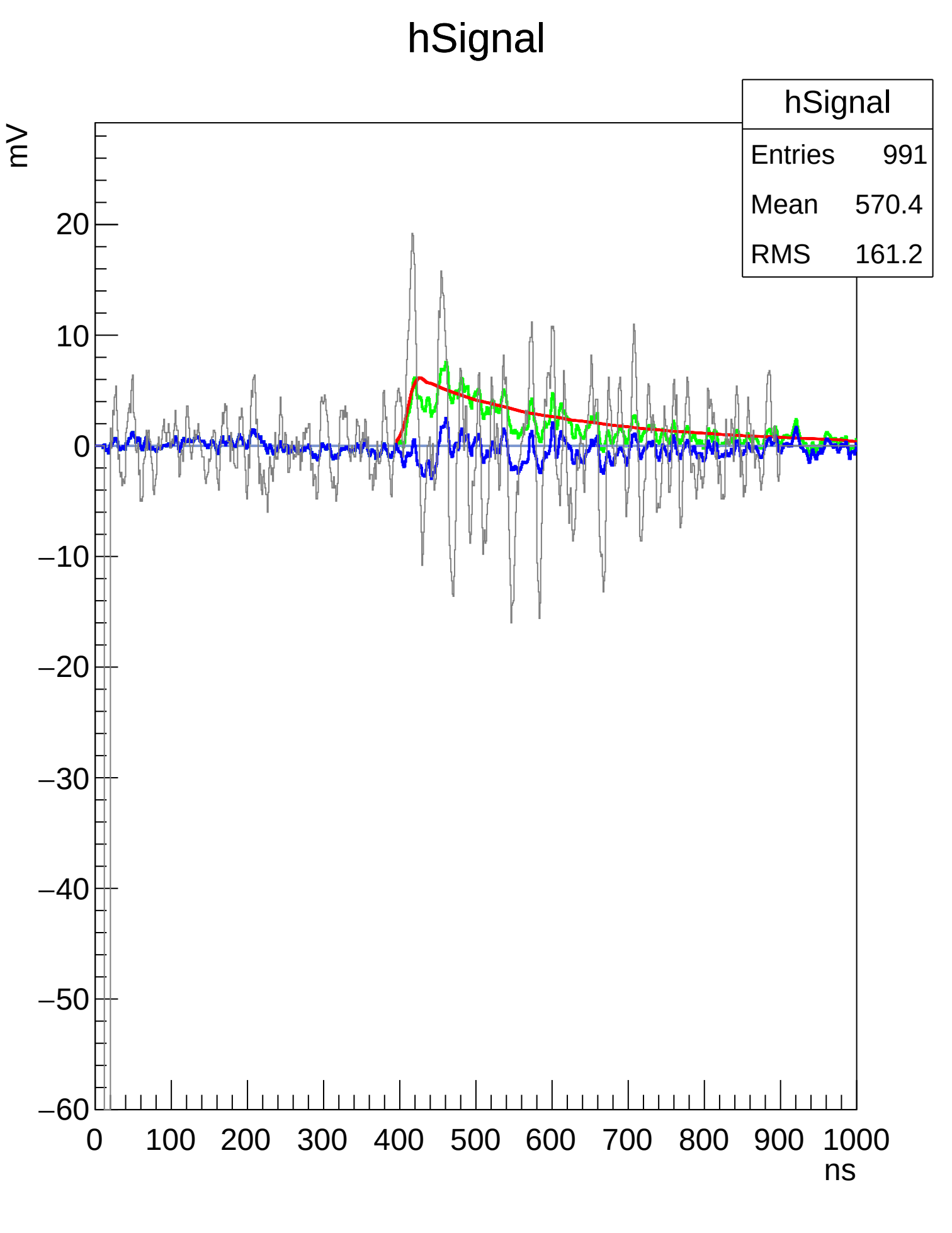
1000
ns

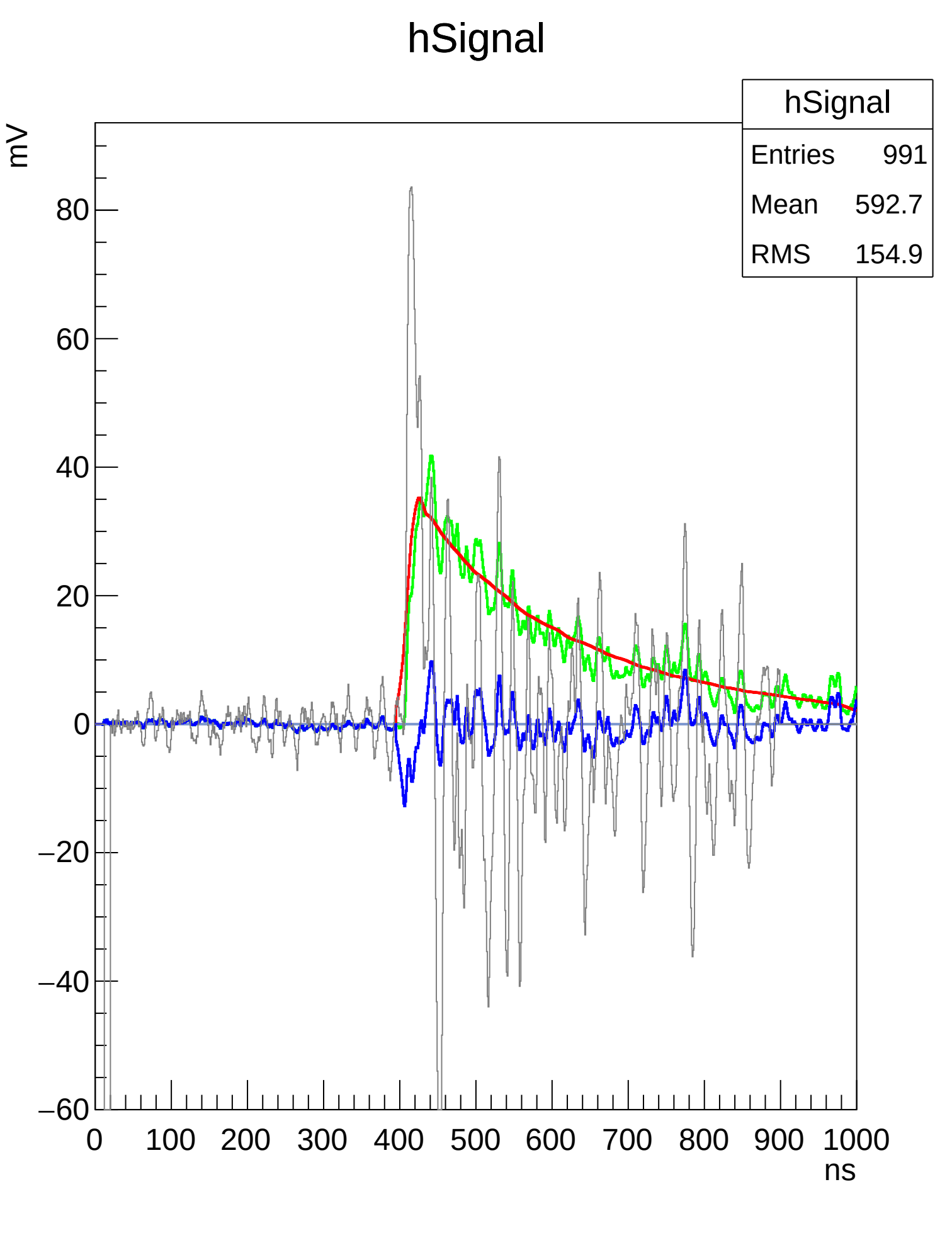

hSignal
hSignal
Entries 991
Mean 537.3
RMS 118.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.3
RMS 152.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.5
RMS 150.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.7
RMS 151.8
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 570.4
RMS 161.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.7
RMS 154.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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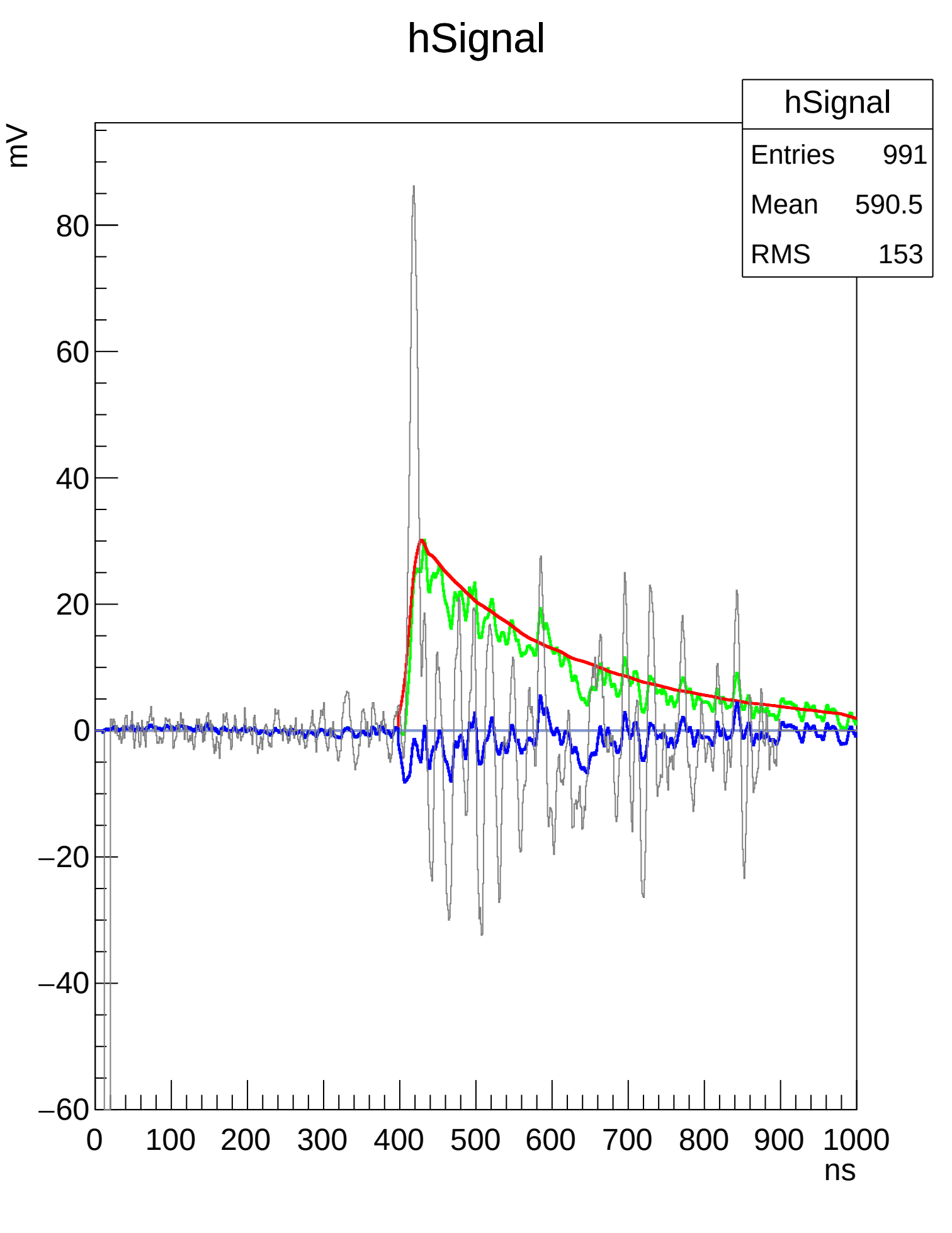
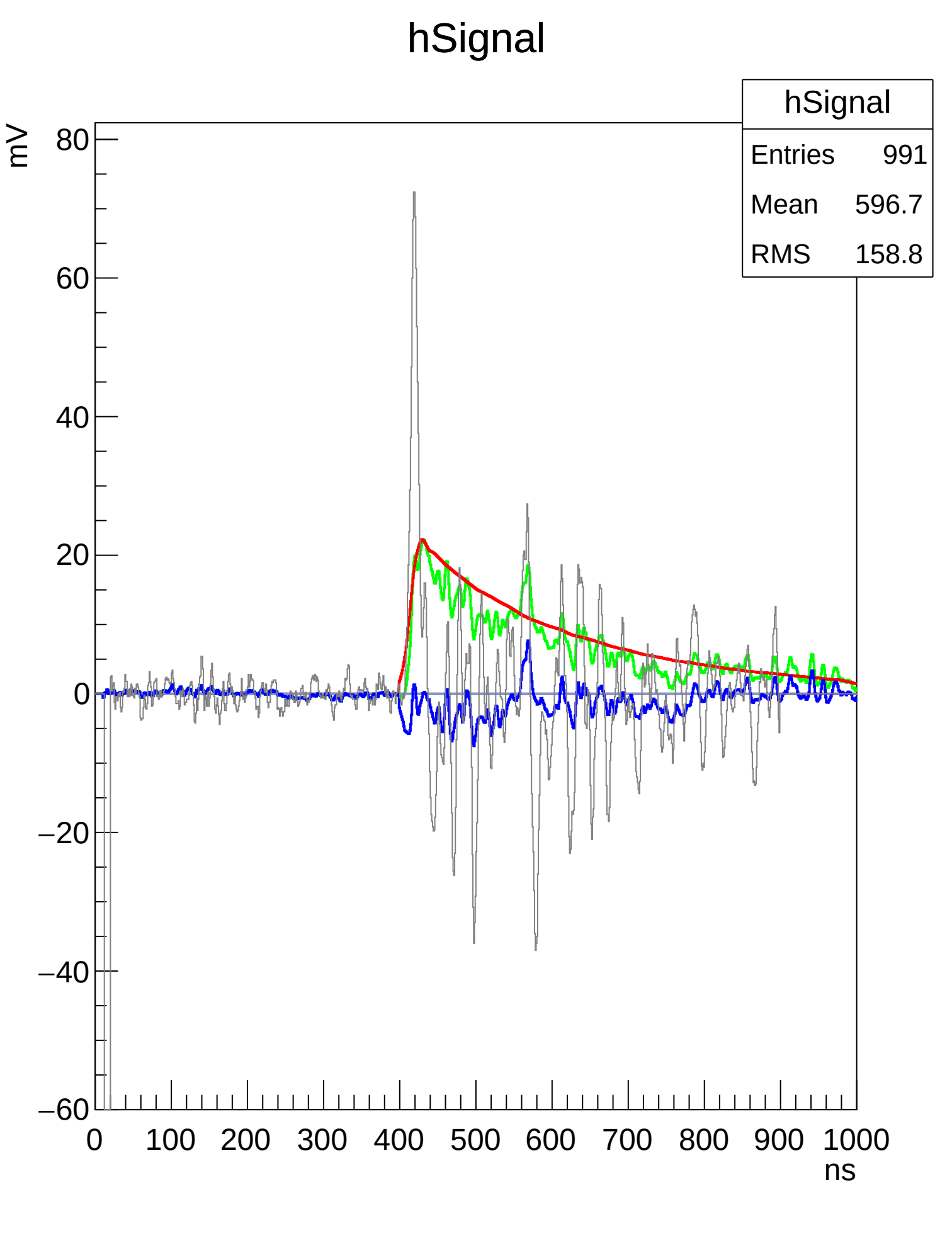
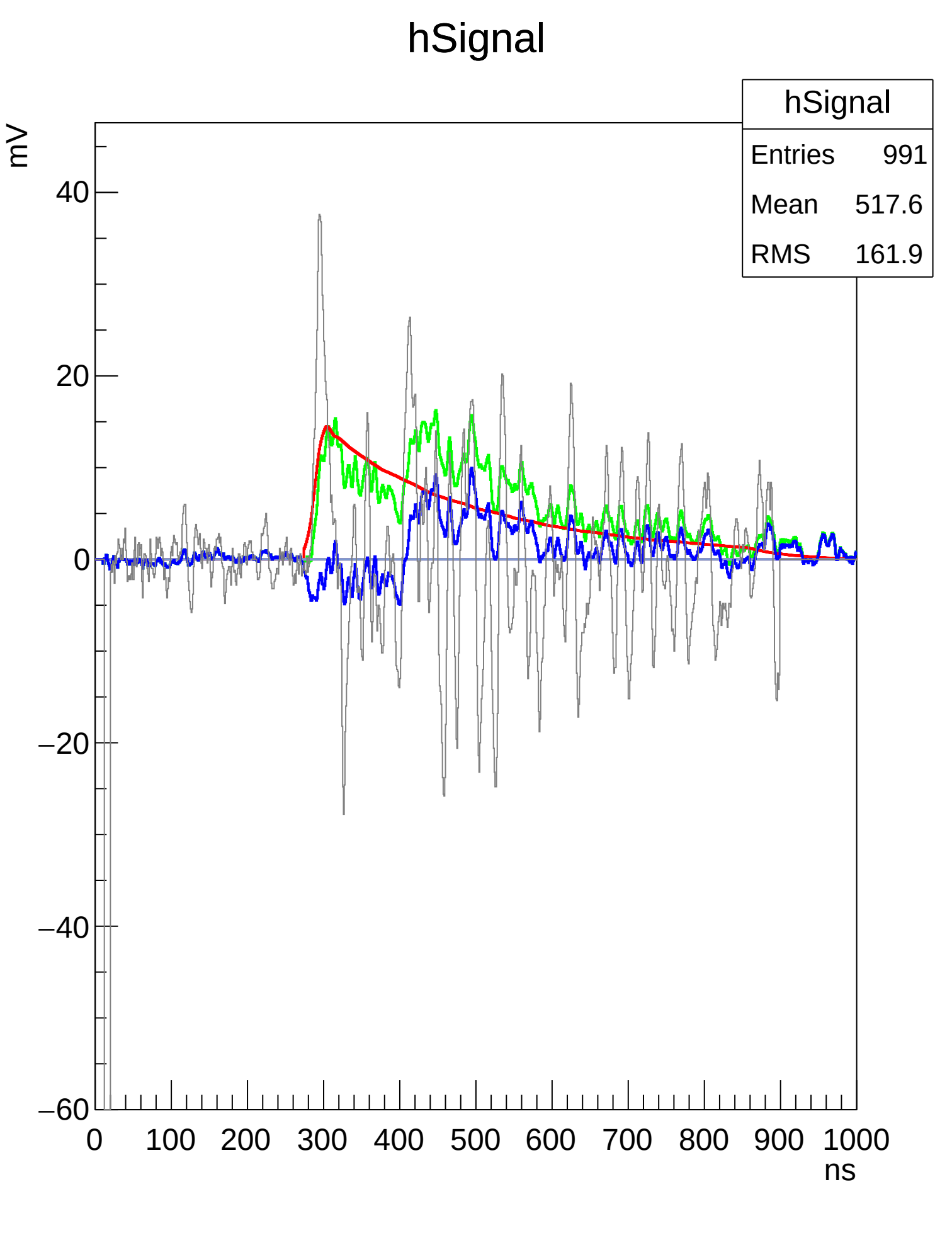
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 153
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.7
RMS 158.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.6
RMS 161.9
mV
40
20
0
−20
−40
−60
0
100
200
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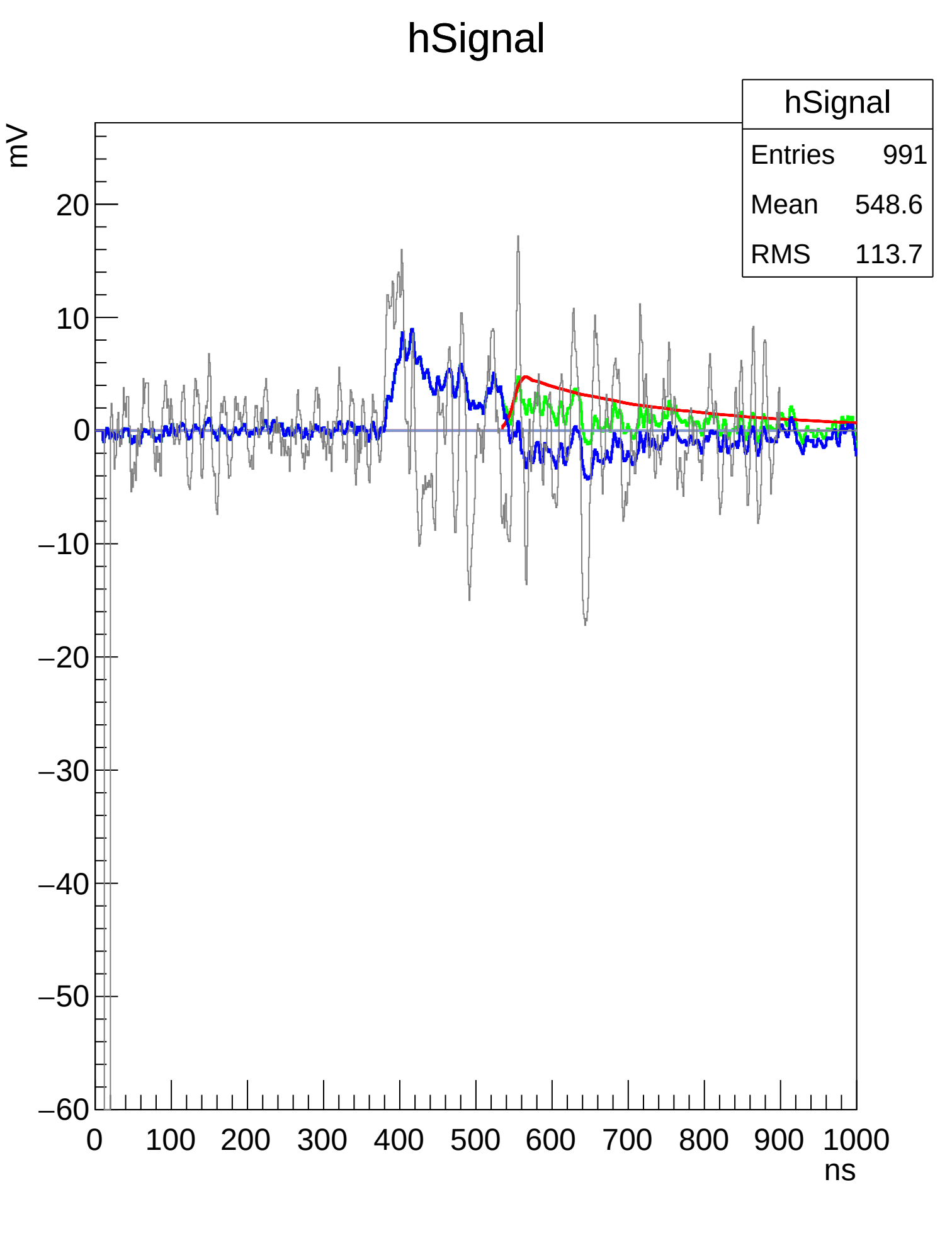
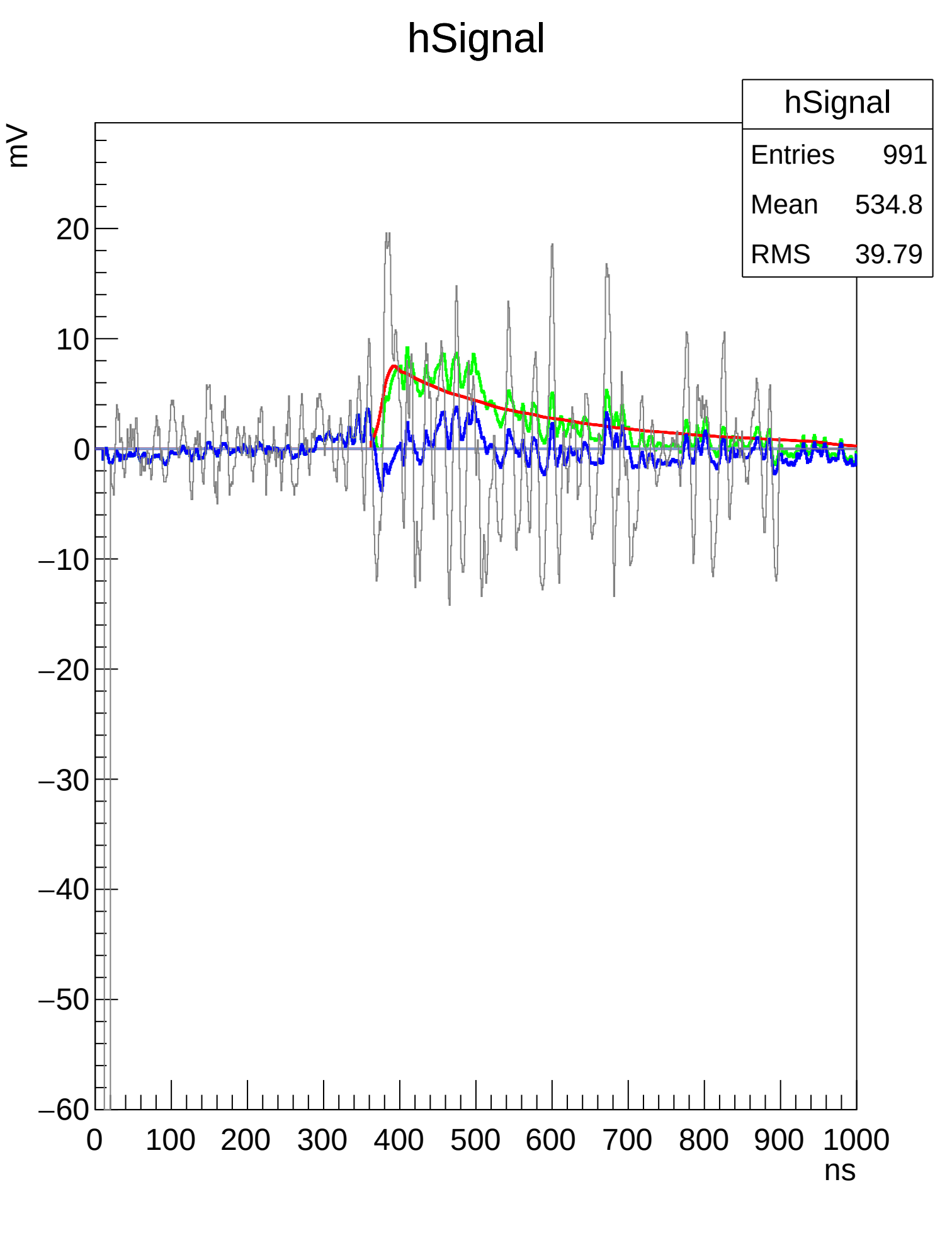
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.6
RMS 113.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.8
RMS 39.79
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
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800
900
1000
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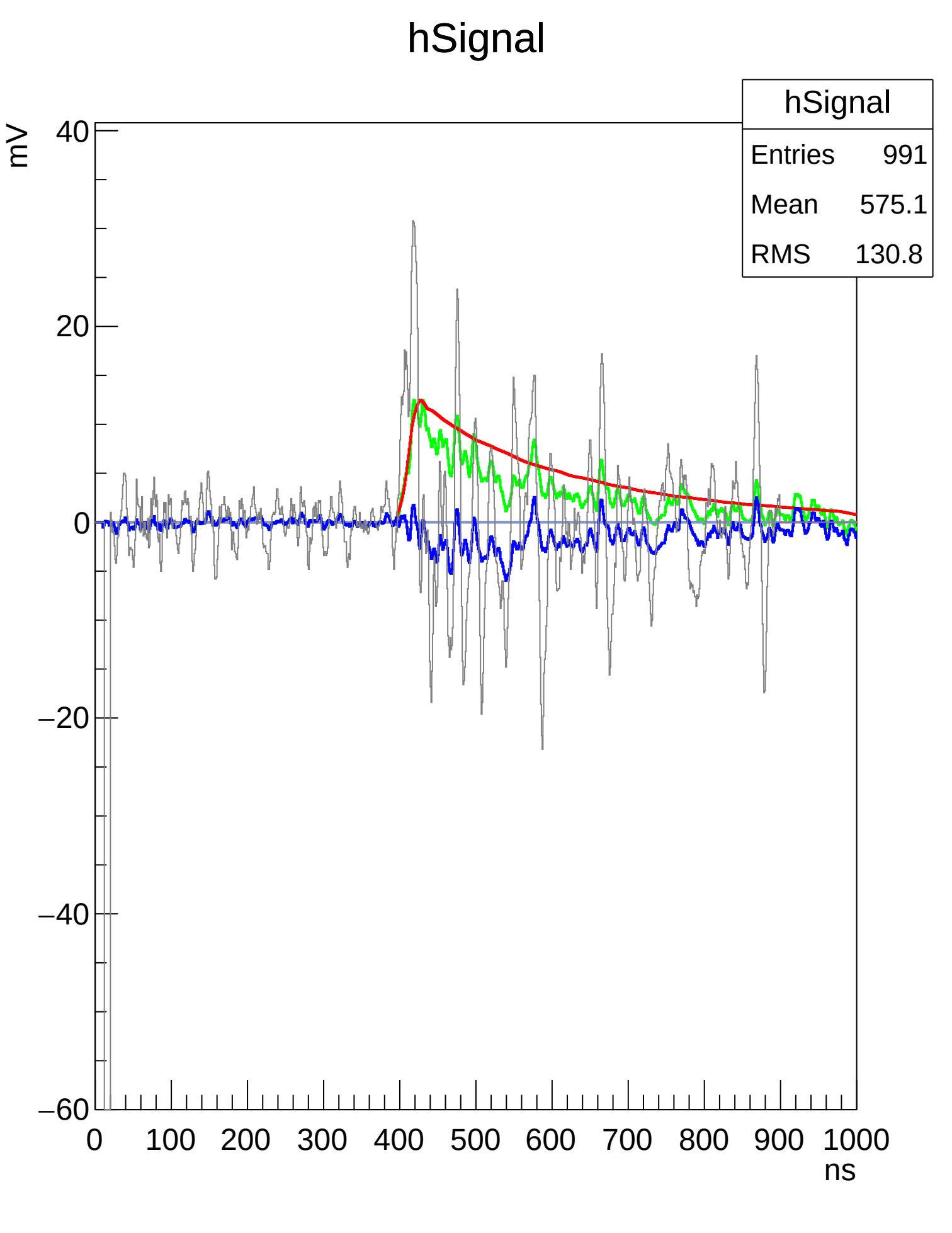
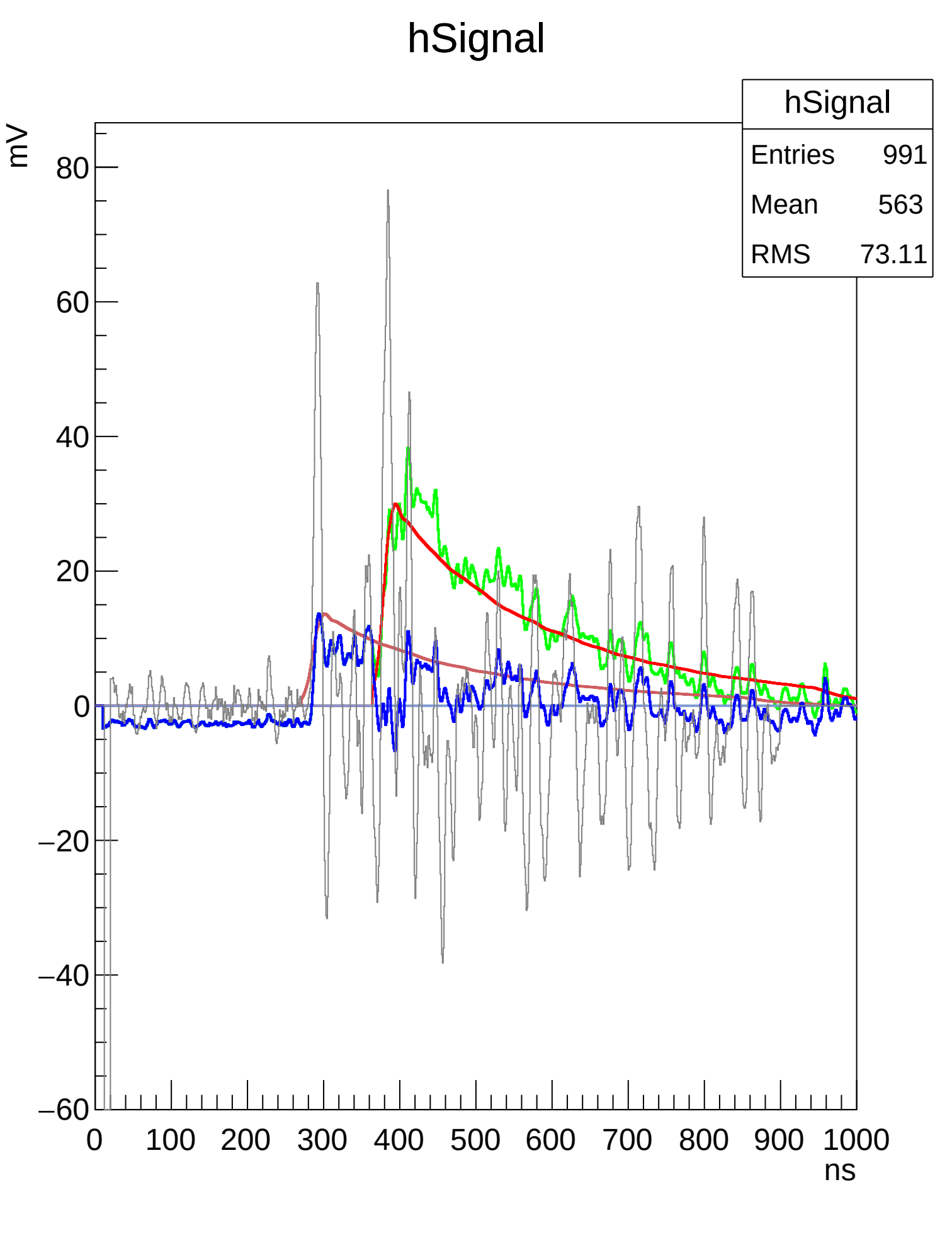

hSignal
hSignal
Entries 991
Mean 575.1
RMS 130.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563
RMS 73.11
mV
80
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20
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−20
−40
−60
0
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200
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400
500
600
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800
900
1000
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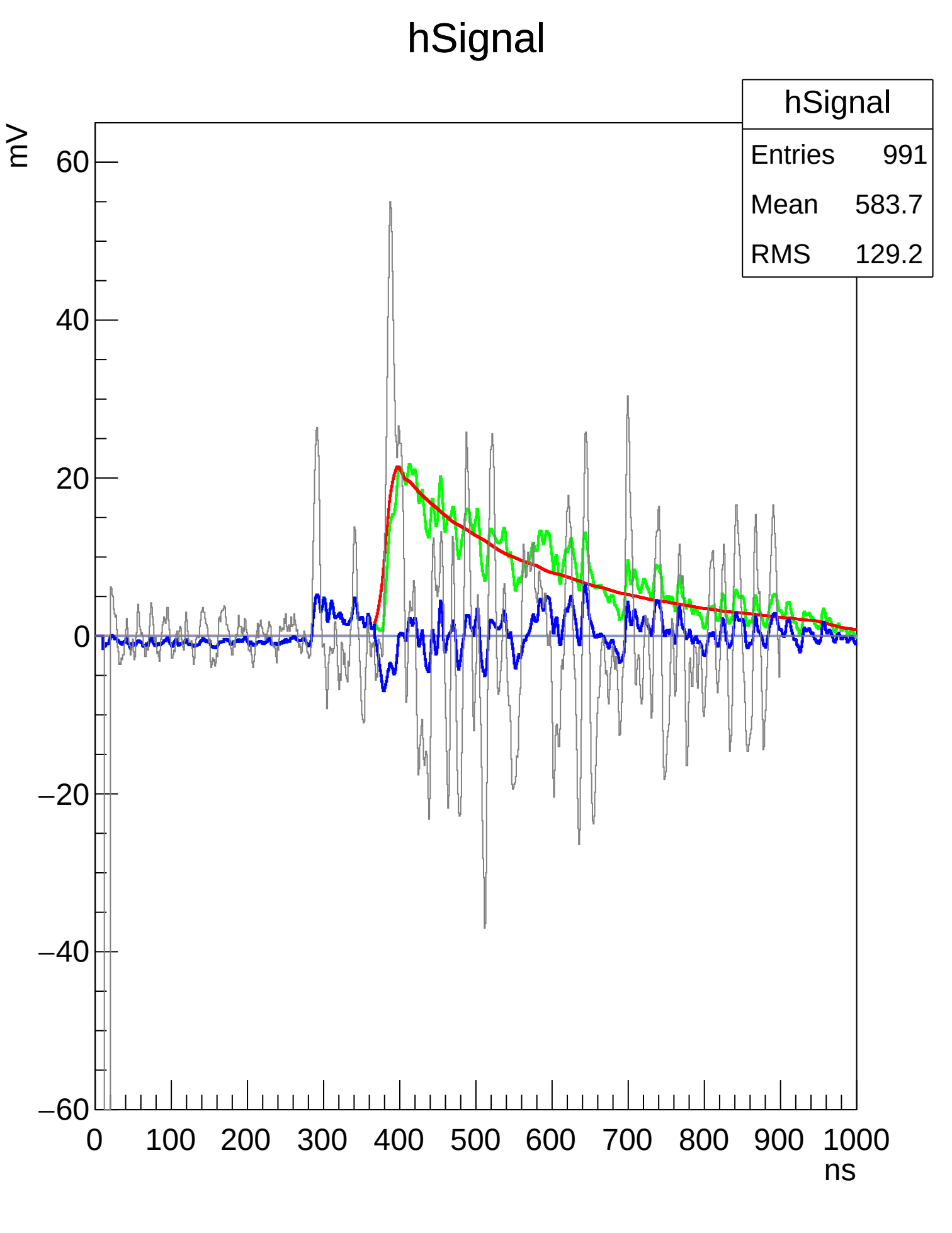
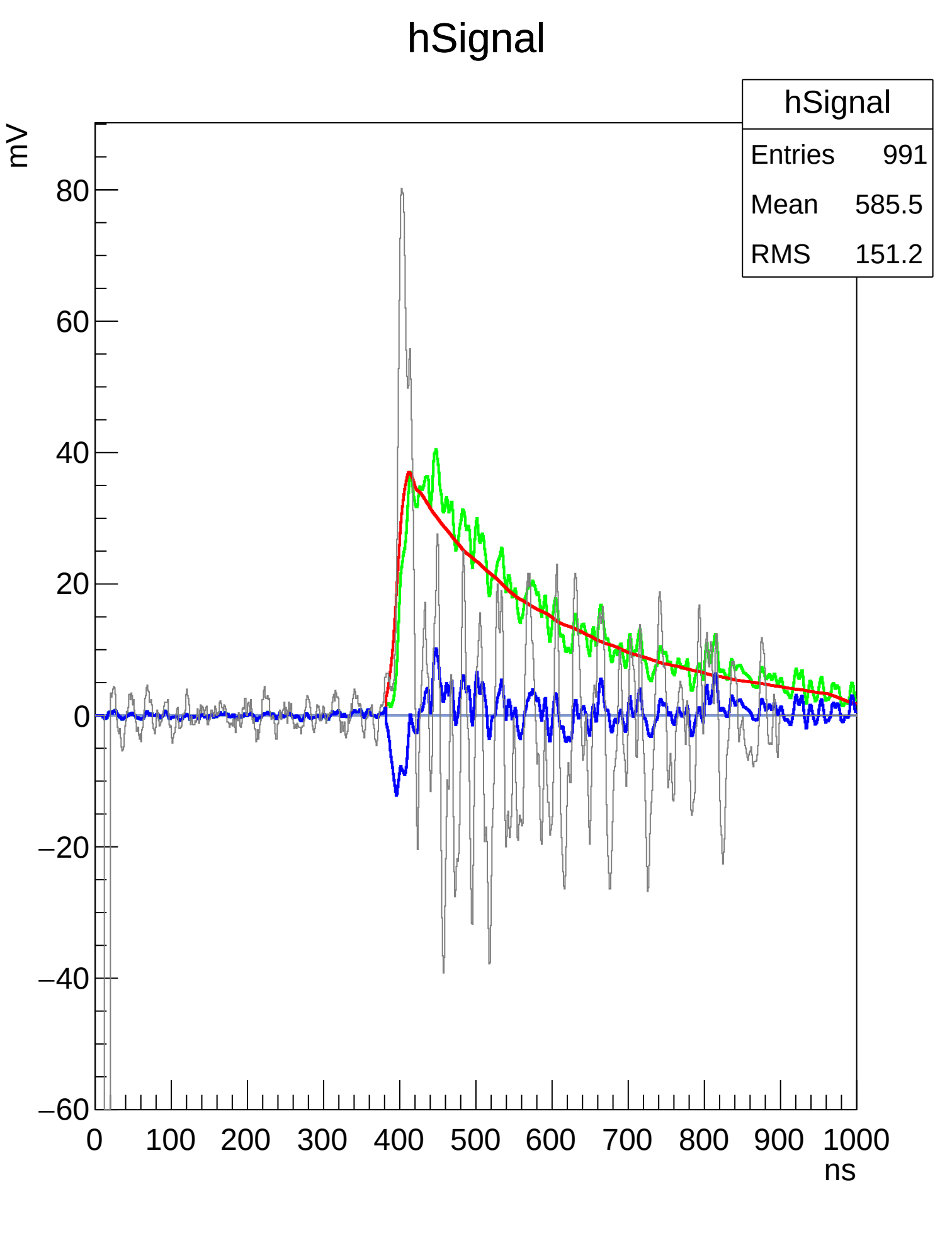
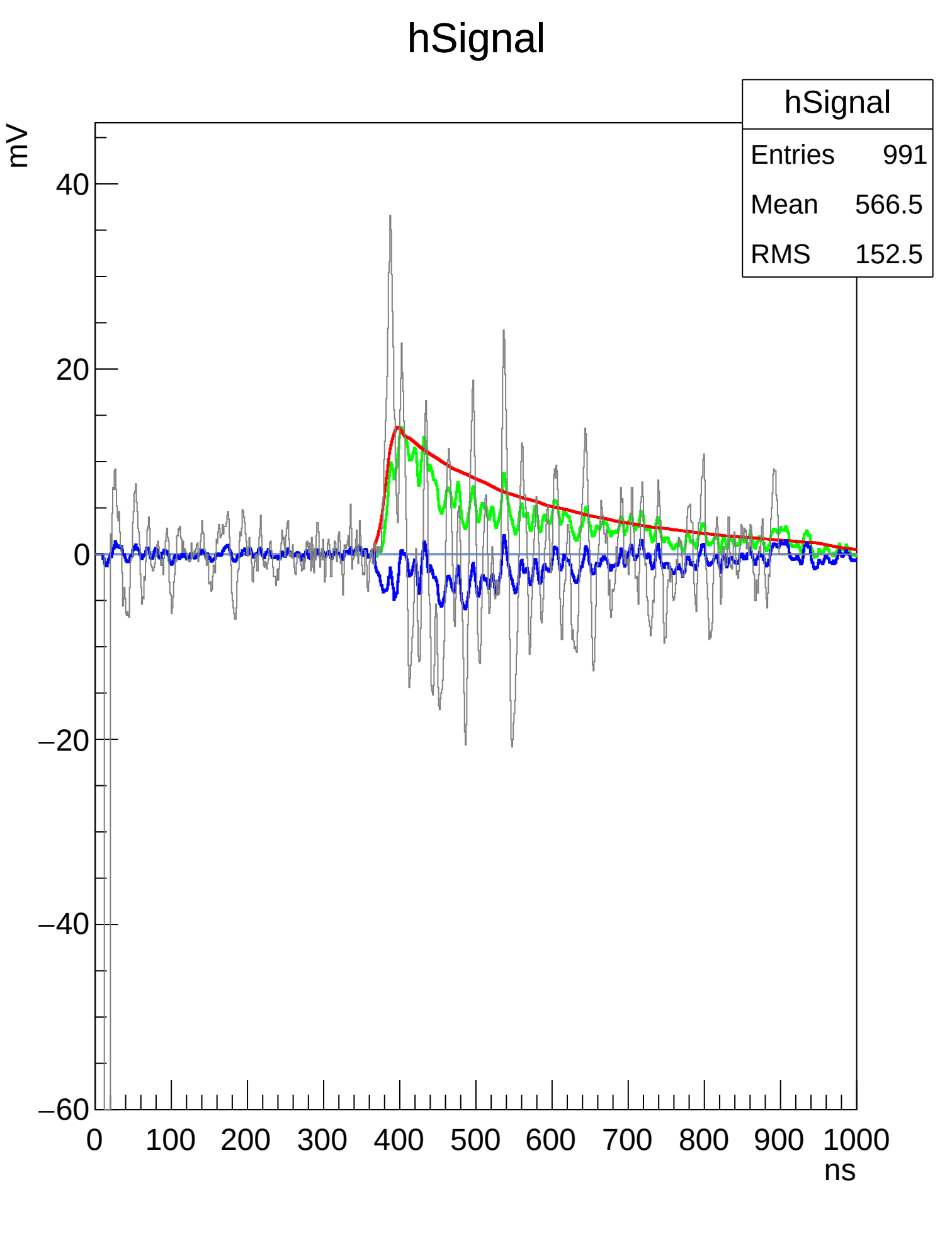

hSignal
hSignal
Entries 991
Mean 583.7
RMS 129.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.5
RMS 151.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.5
RMS 152.5
mV
40
20
0
−20
−40
−60
0
100
200
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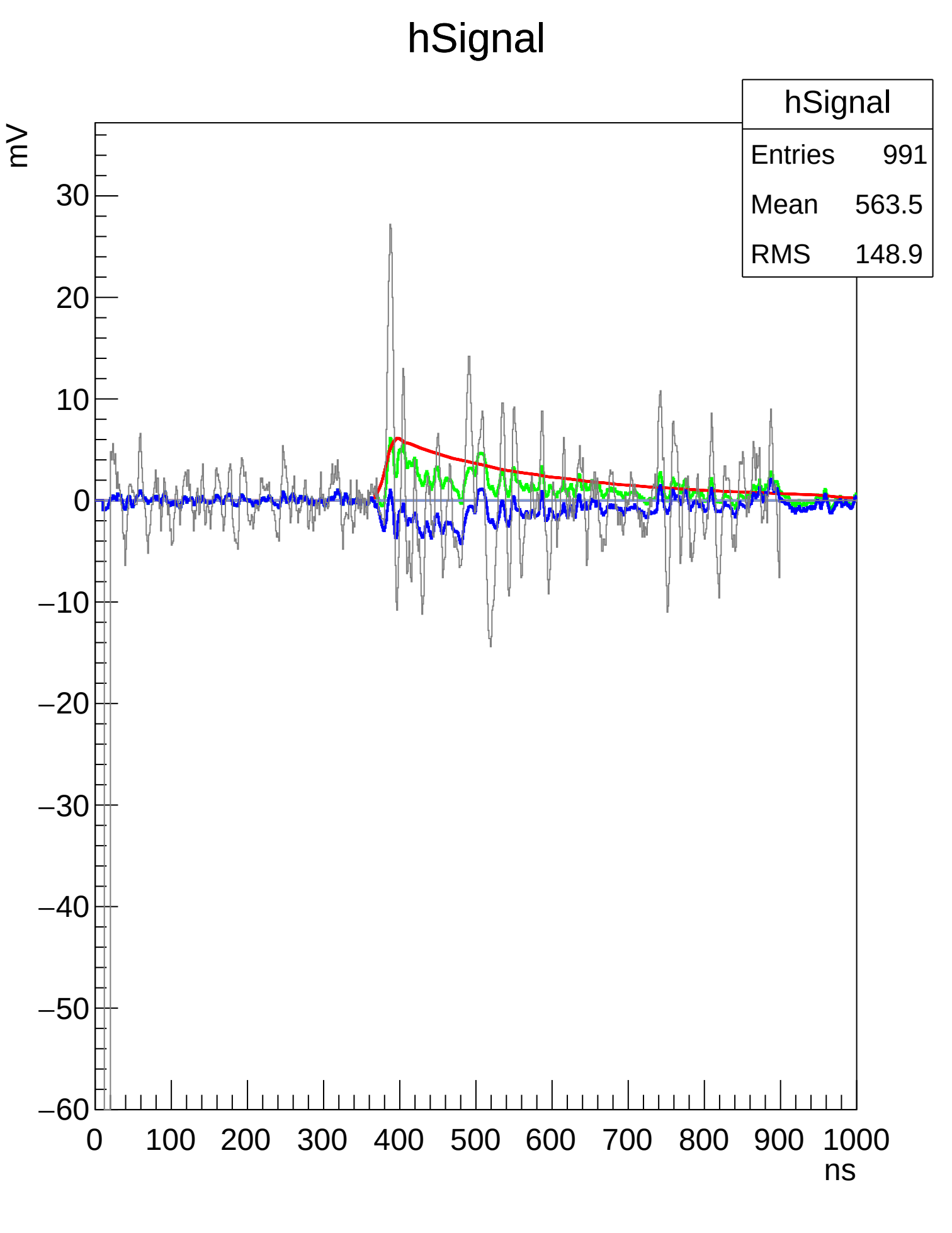
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.5
RMS 148.9
mV
30
20
10
0
−10
−20
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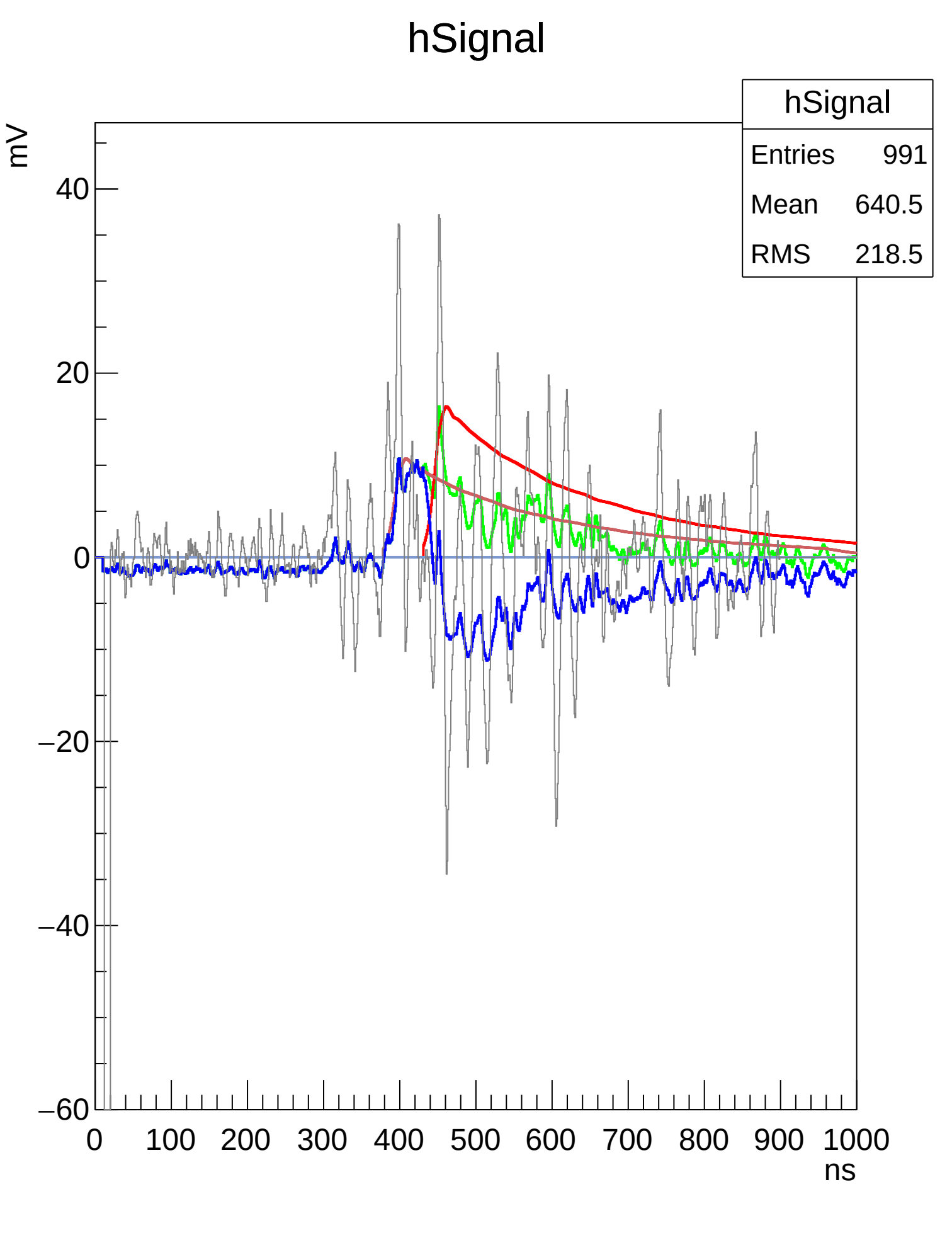
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 640.5
RMS 218.5
mV
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−20
−40
−60
0
100
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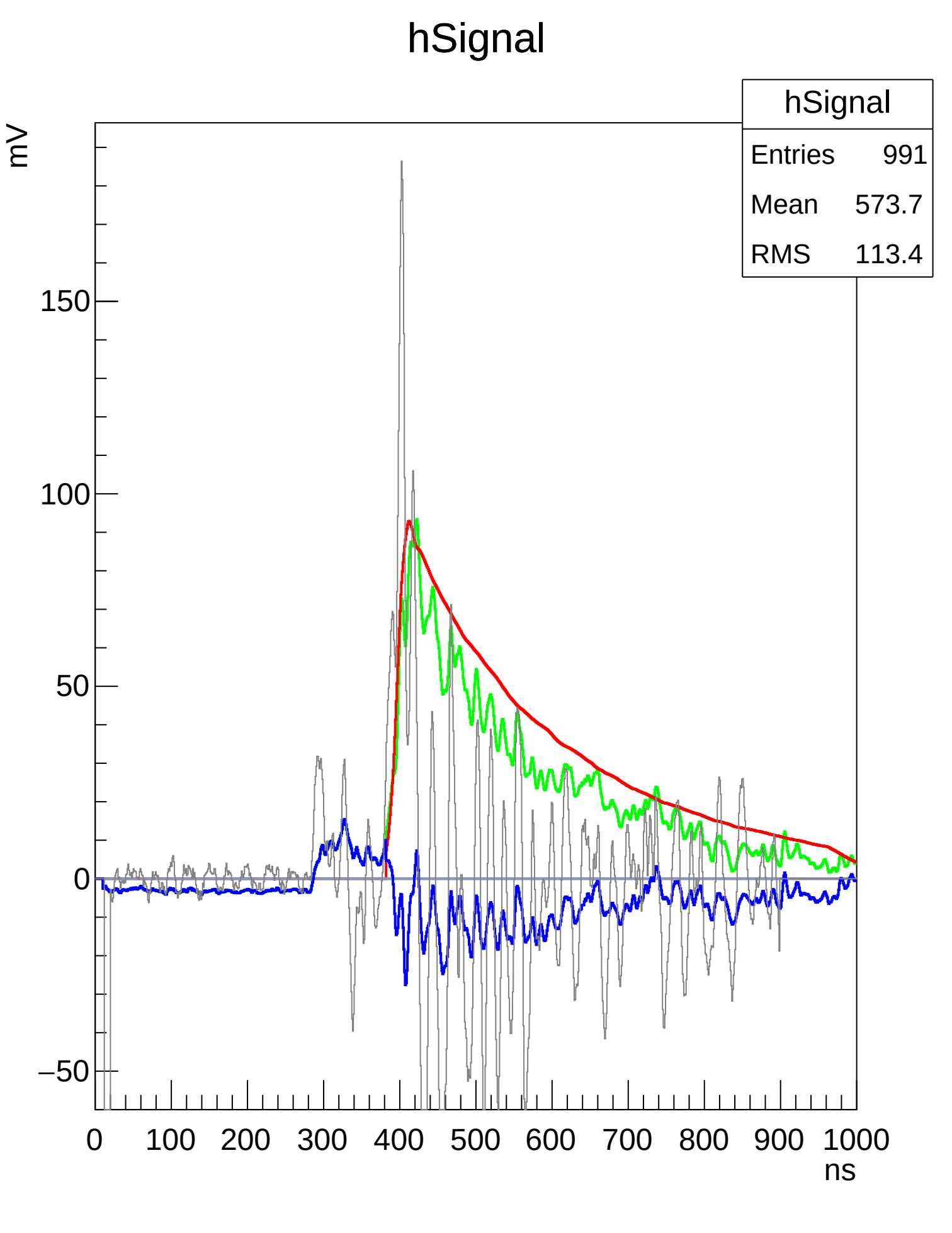
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.7
RMS 113.4
mV
150
100
50
0
−50
0
100
200
300
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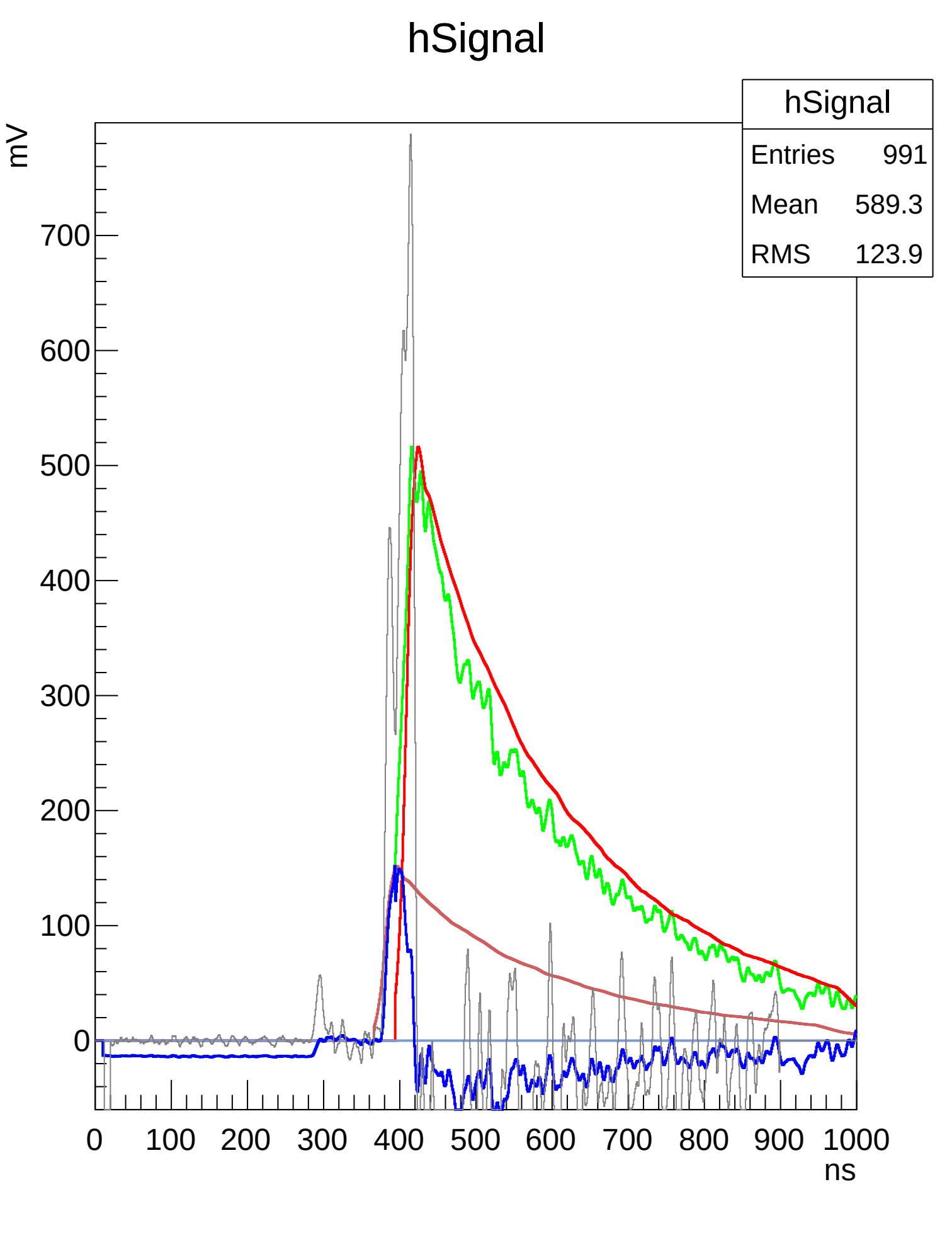
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.3
RMS 123.9
mV
700
600
500
400
300
200
100
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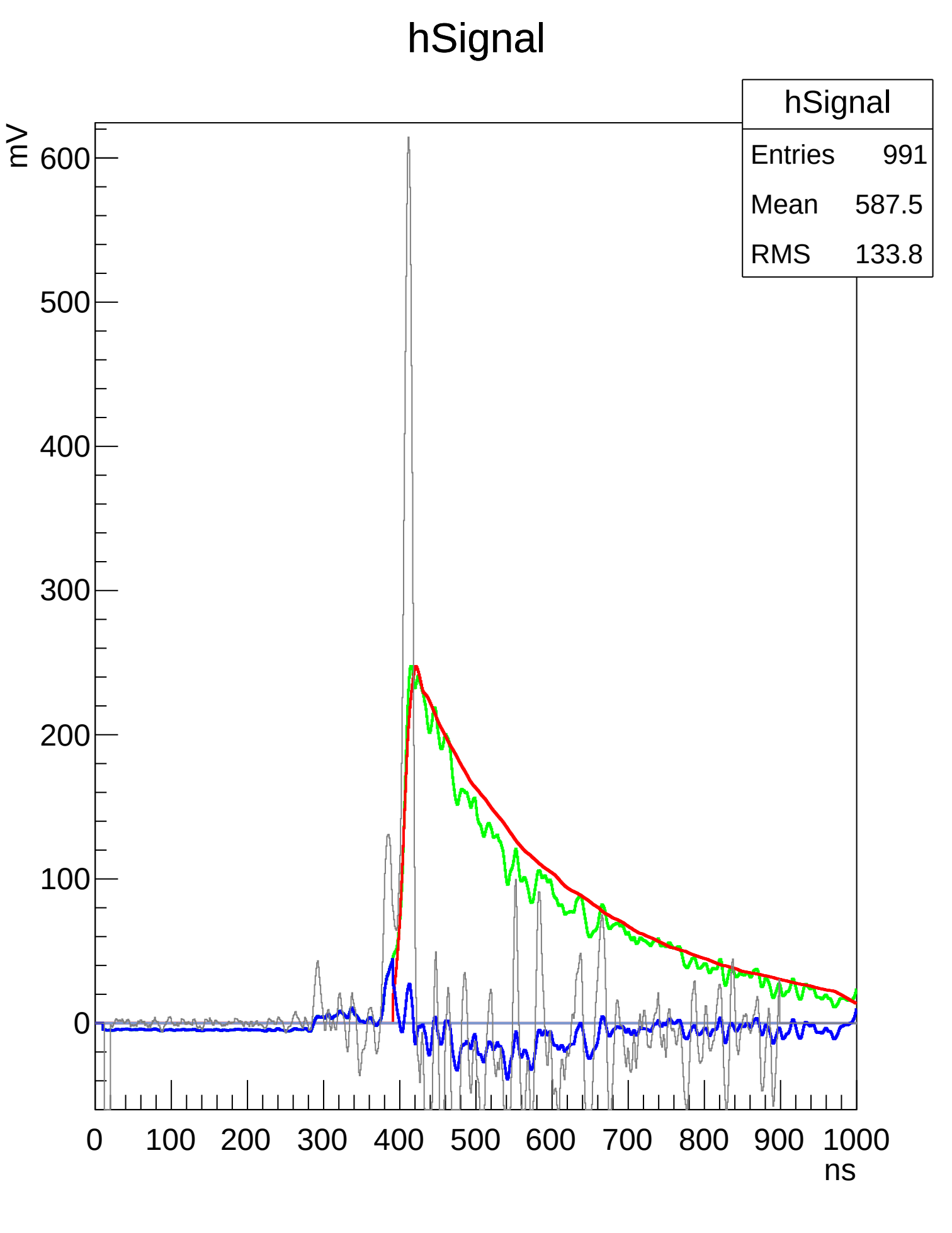
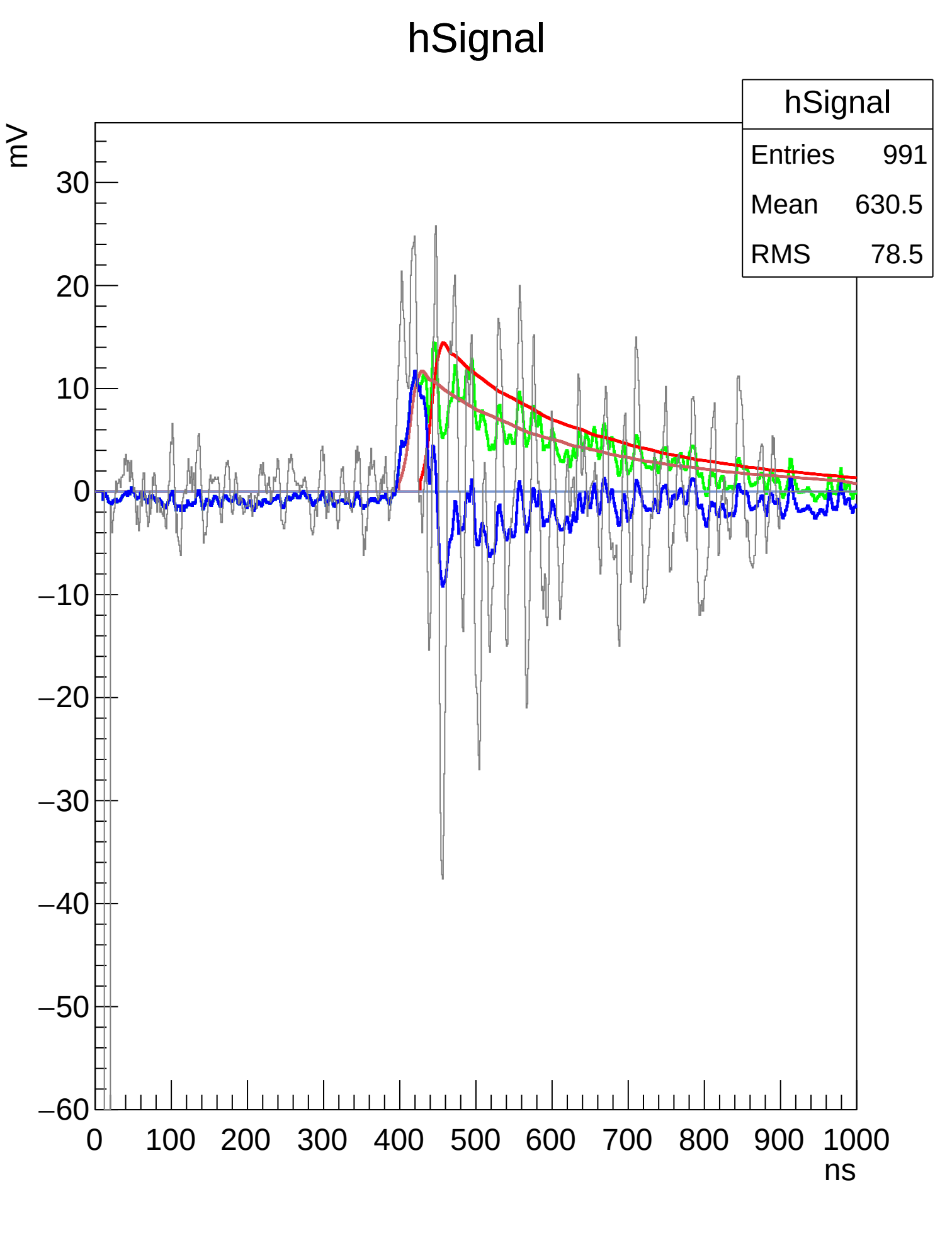
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 133.8
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 630.5
RMS 78.5
mV
30
20
10
0
−10
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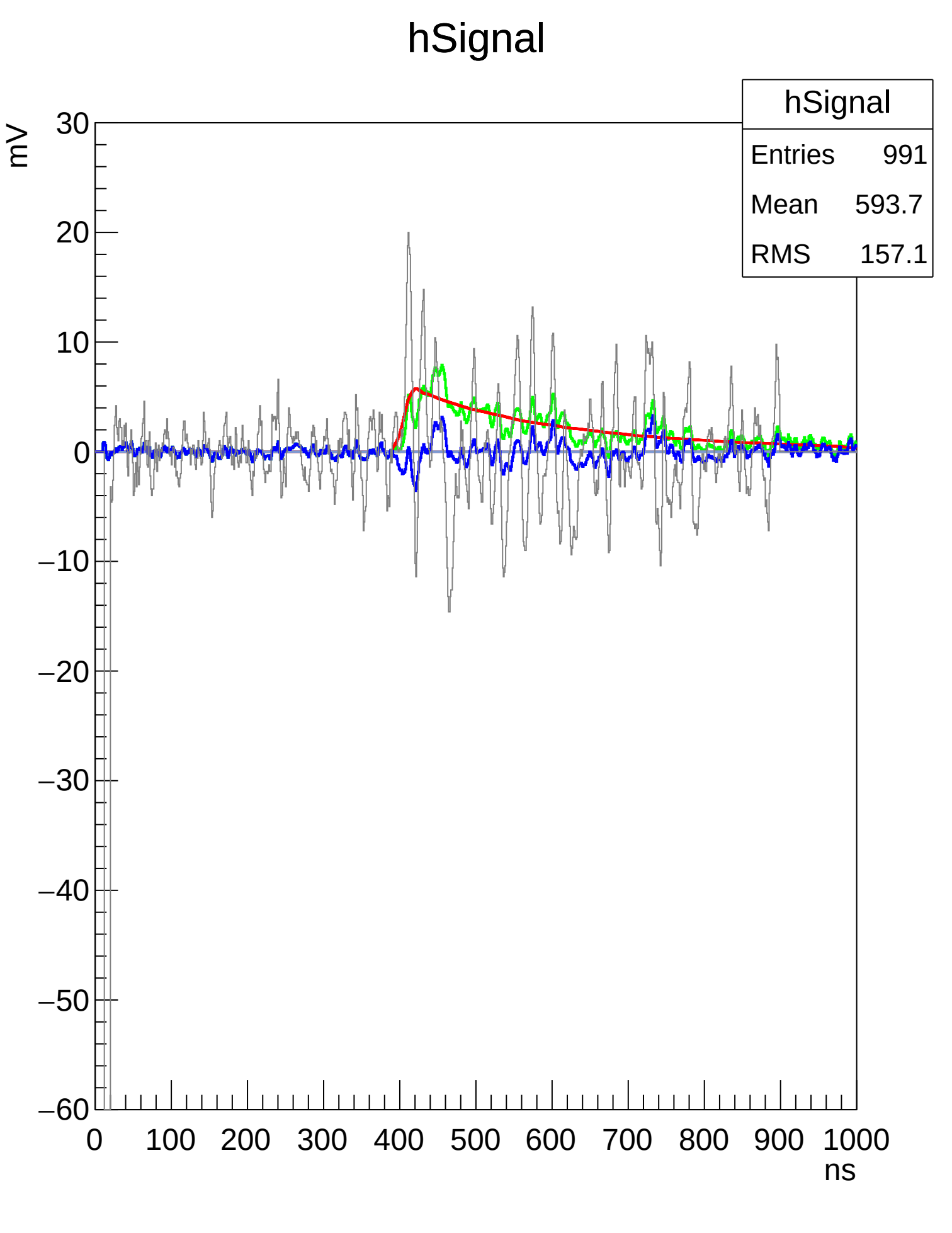
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.7
RMS 157.1
mV
30
20
10
0
−10
−20
−30
−40
−50
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100
200
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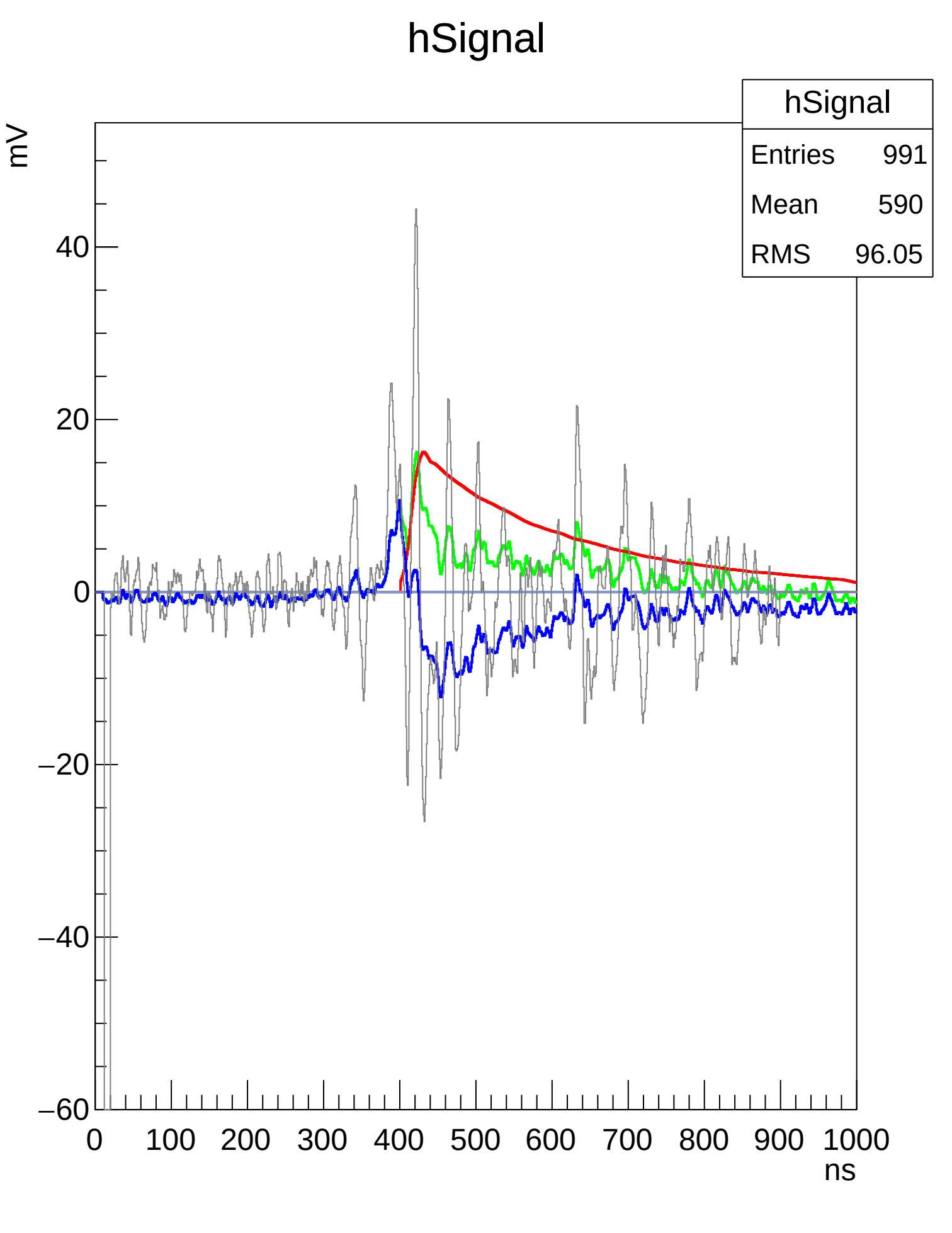
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 96.05
mV
40
20
0
−20
−40
−60
0
100
200
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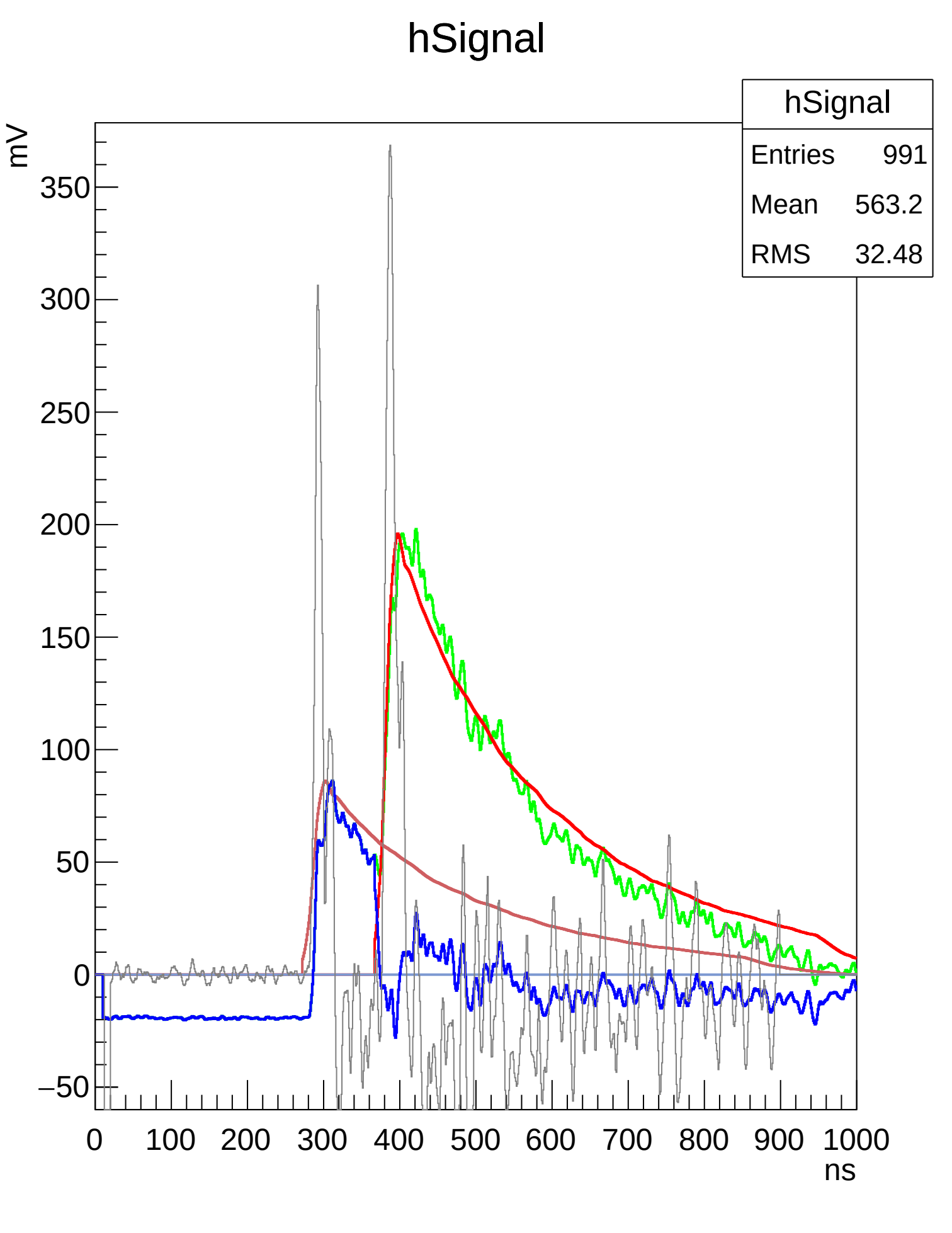
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.2
RMS 32.48
mV
350
300
250
200
150
100
50
0
−50
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200
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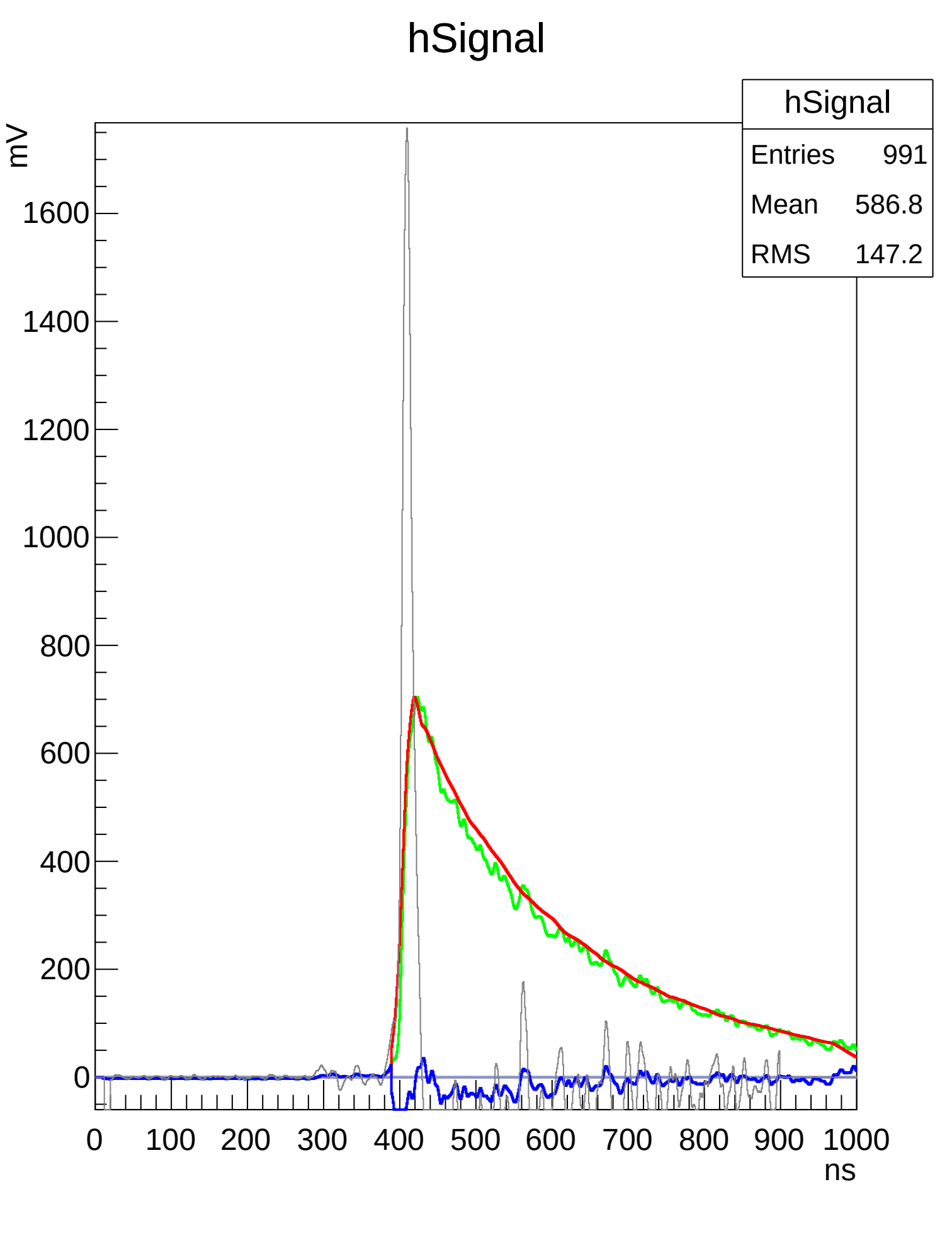
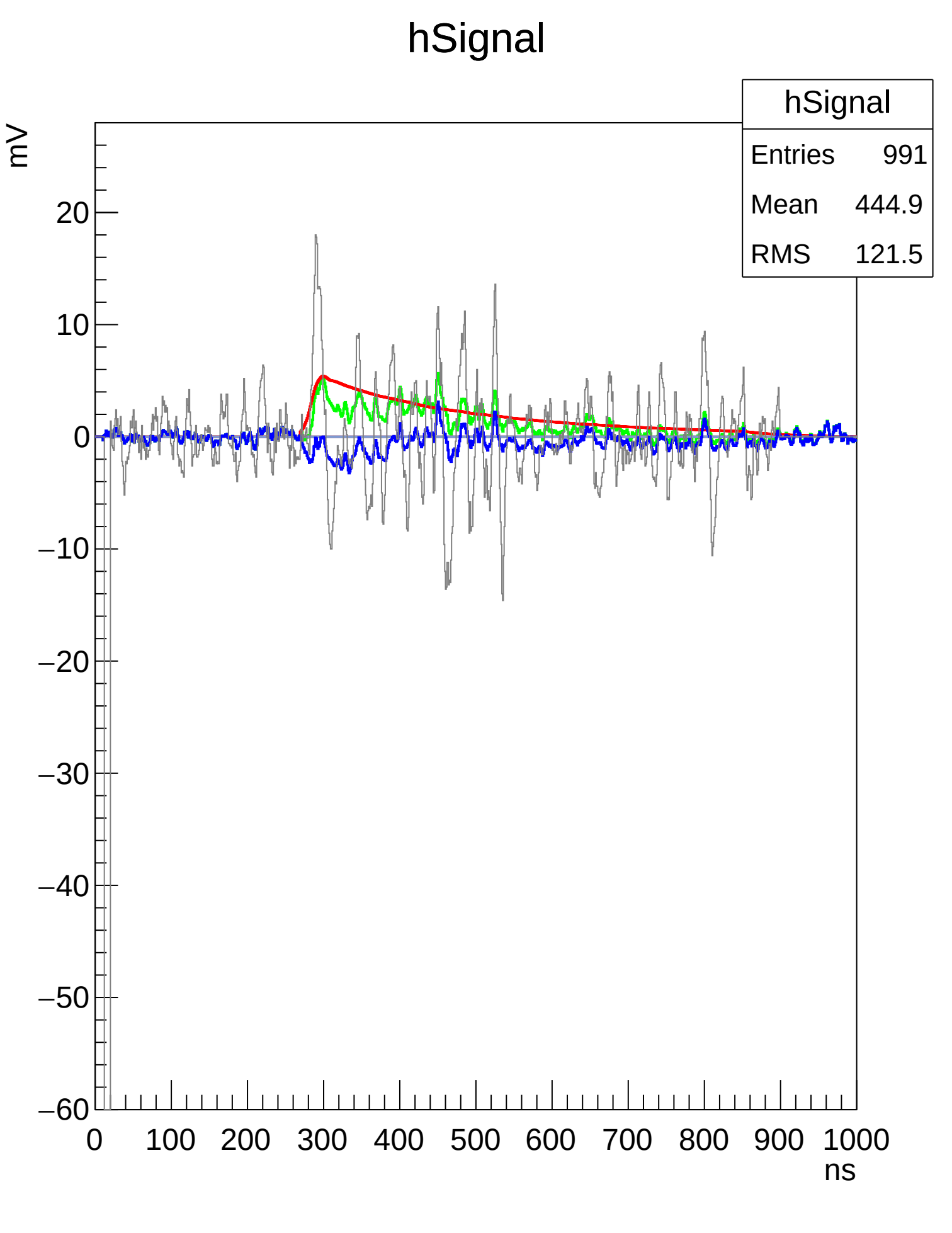
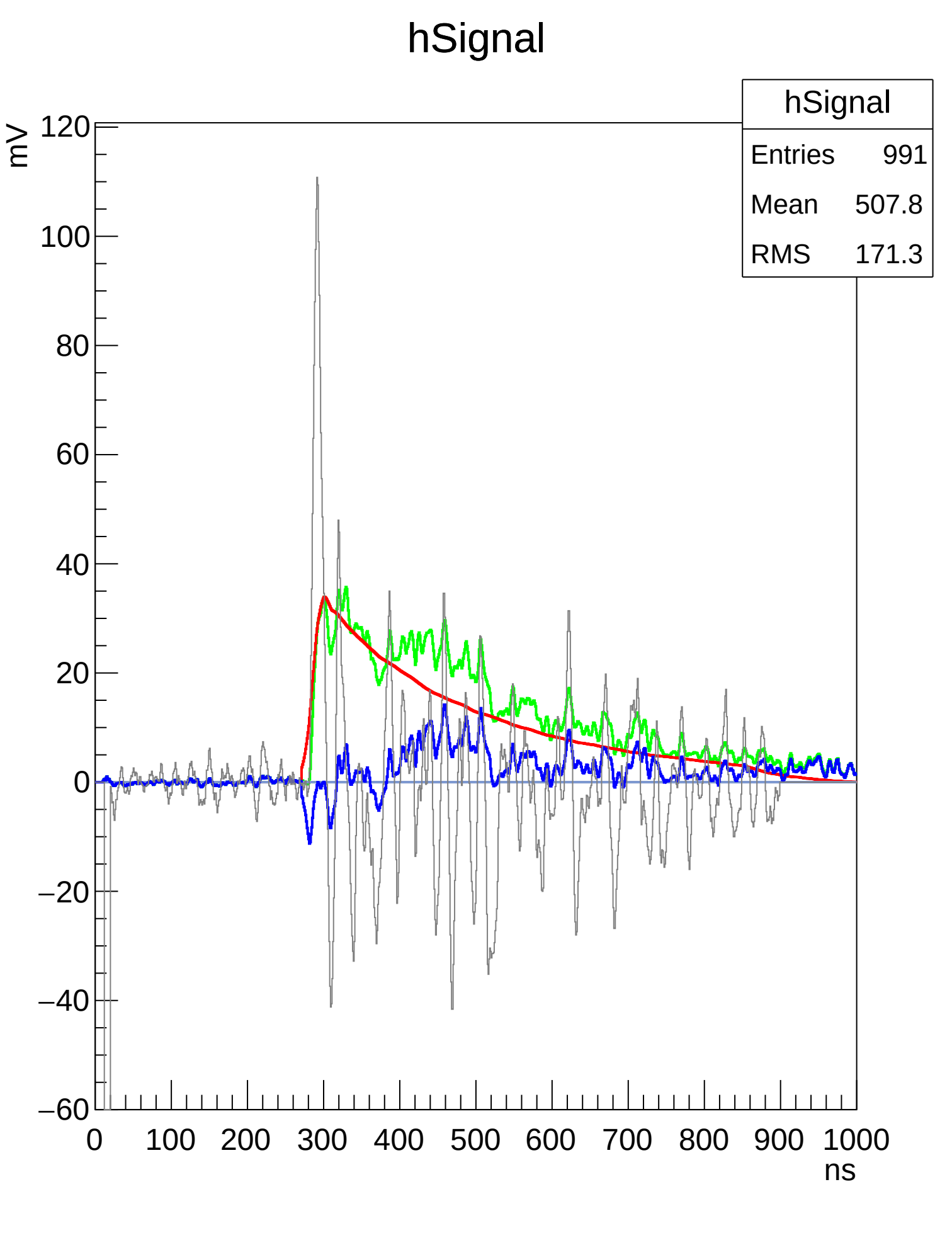
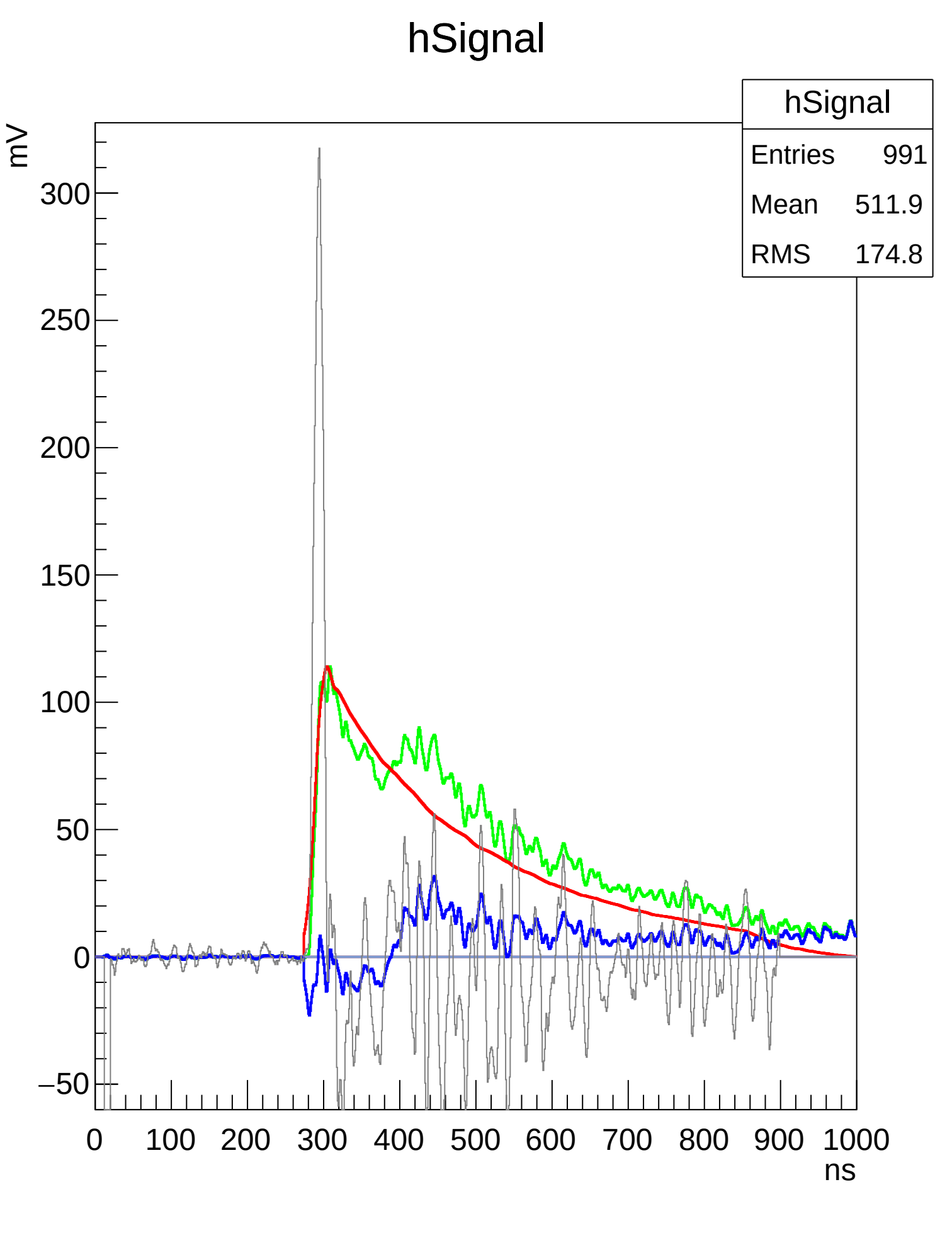
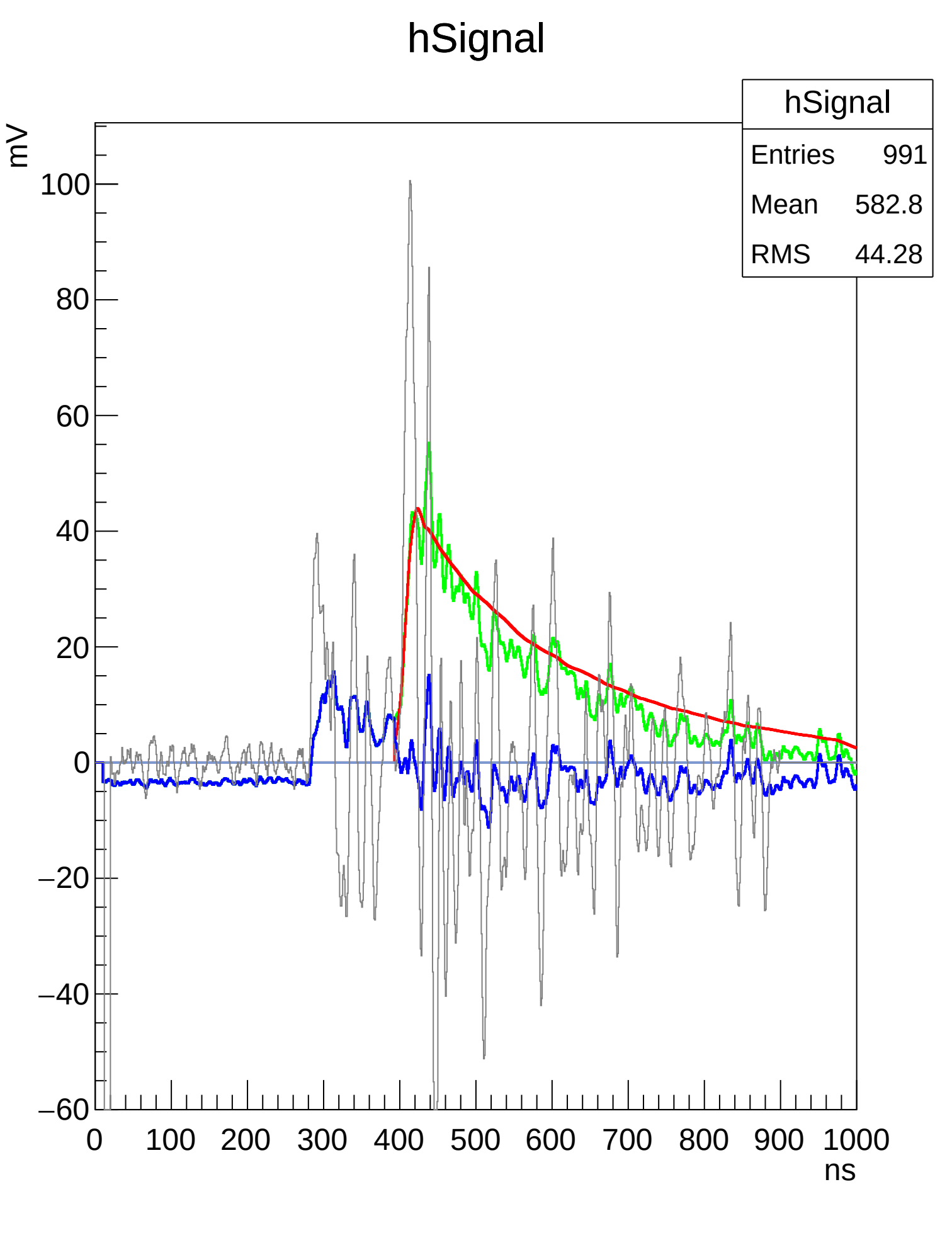
600
700
800
900
1000
ns

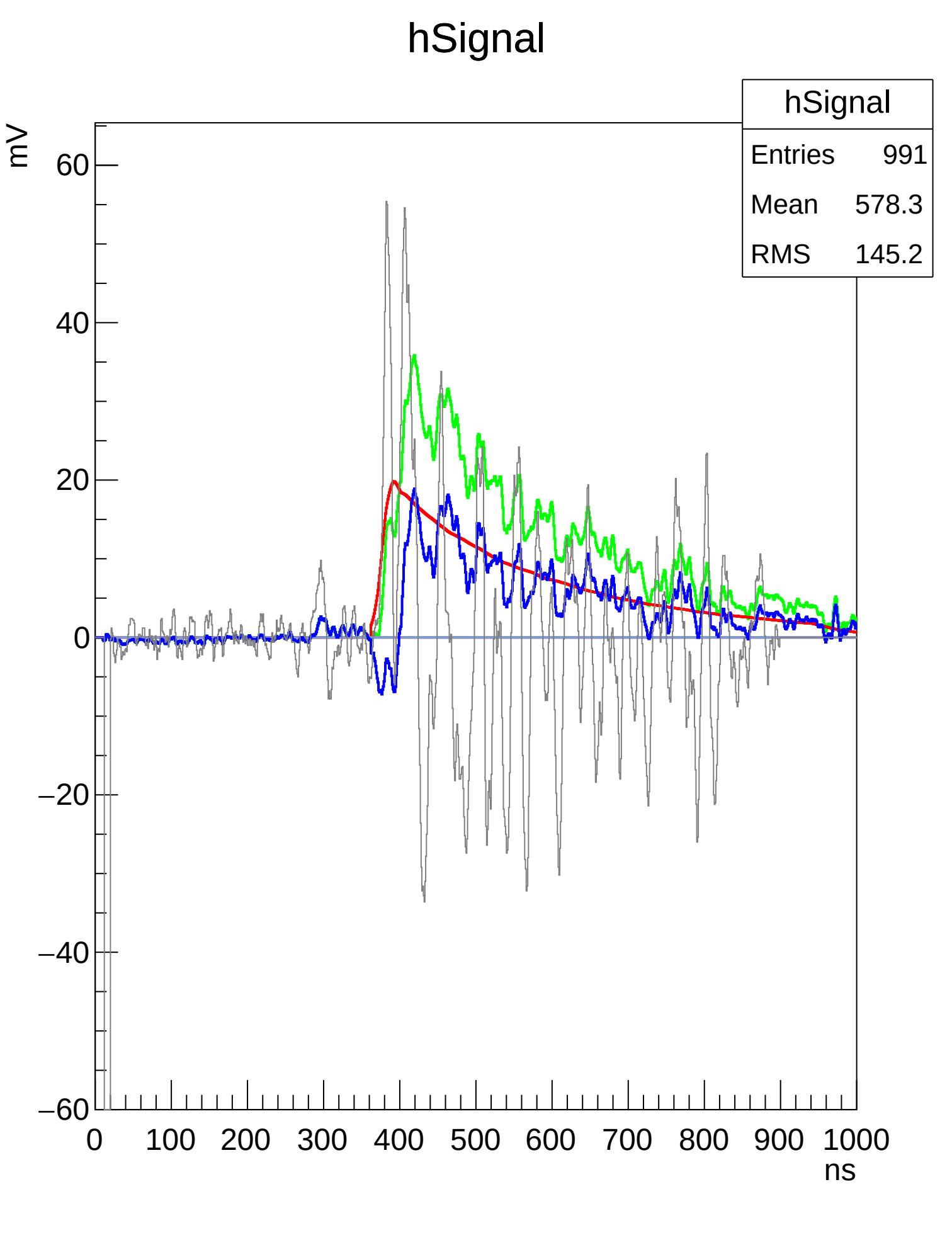

hSignal
hSignal
Entries 991
Mean 586.8
RMS 147.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

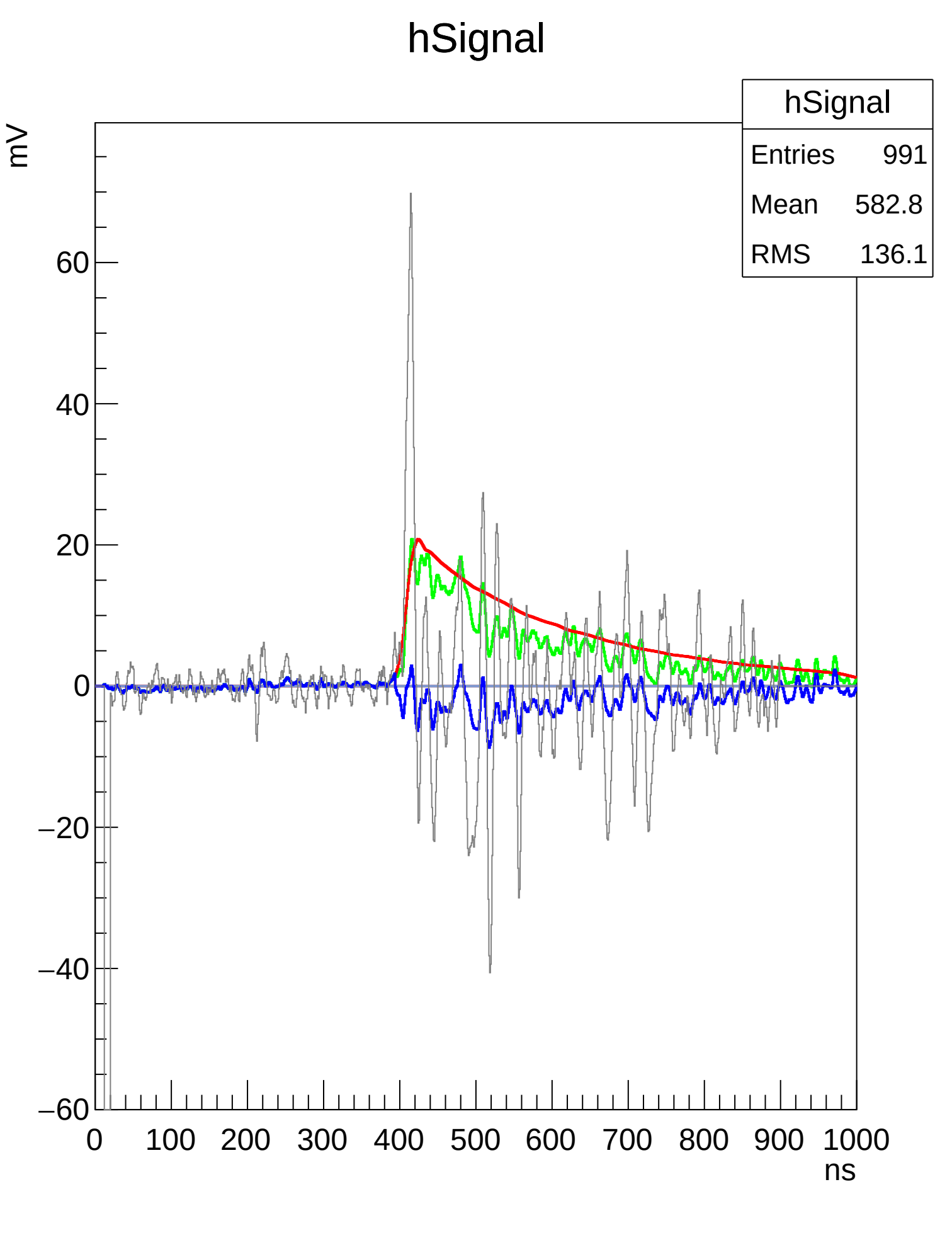

hSignal
hSignal
Entries 991
Mean 444.9
RMS 121.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

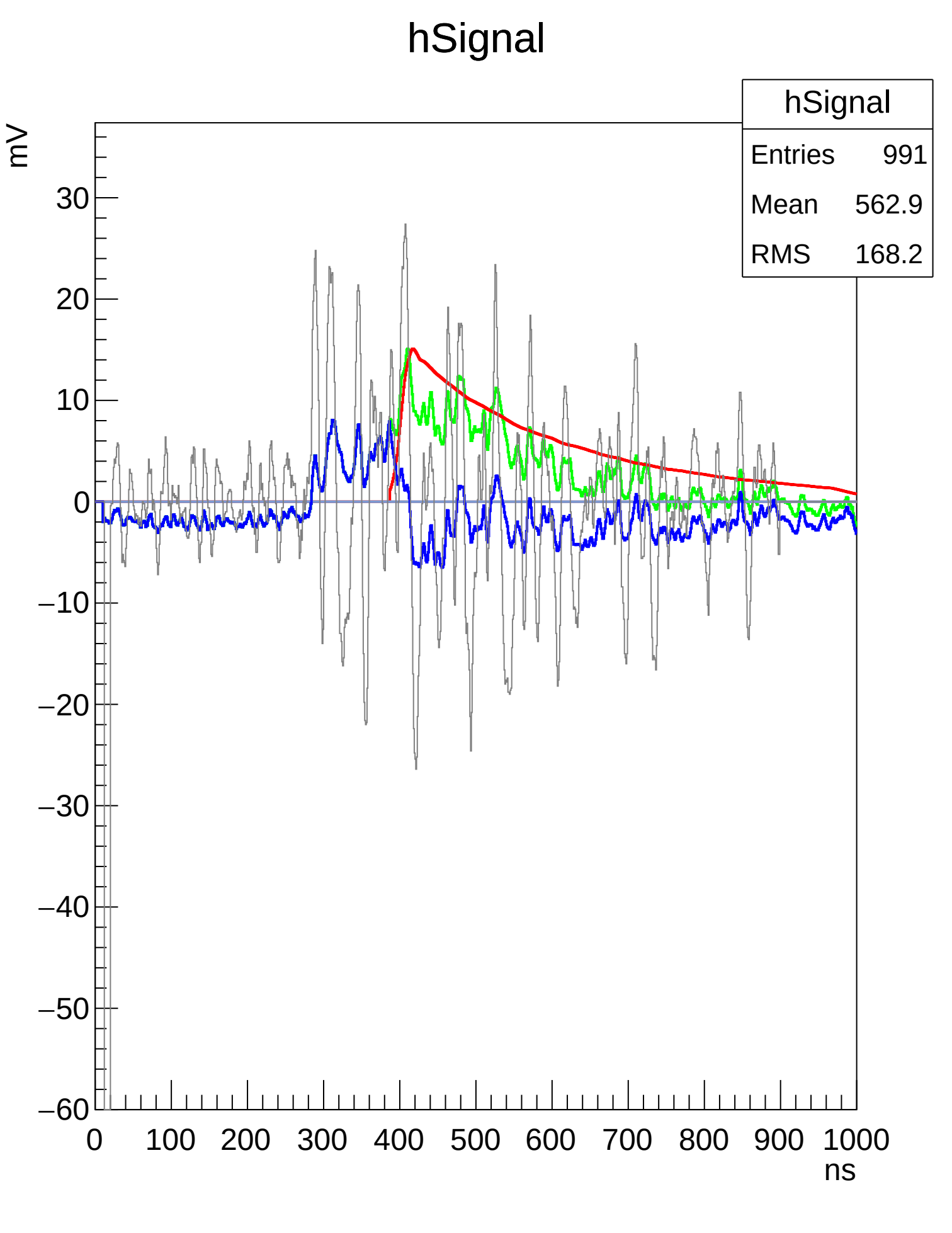

hSignal
hSignal
Entries 991
Mean 507.8
RMS 171.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

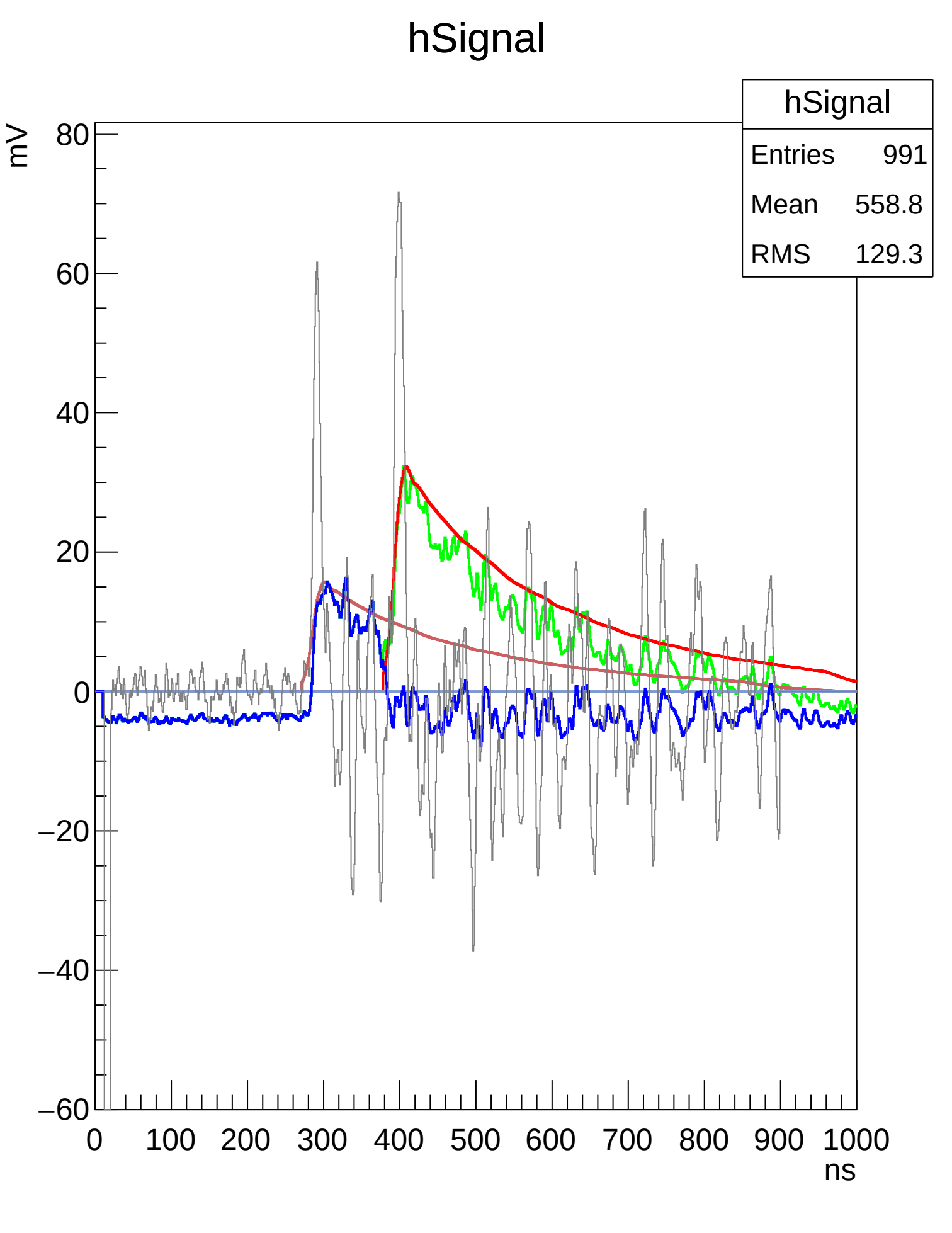

hSignal
hSignal
Entries 991
Mean 511.9
RMS 174.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

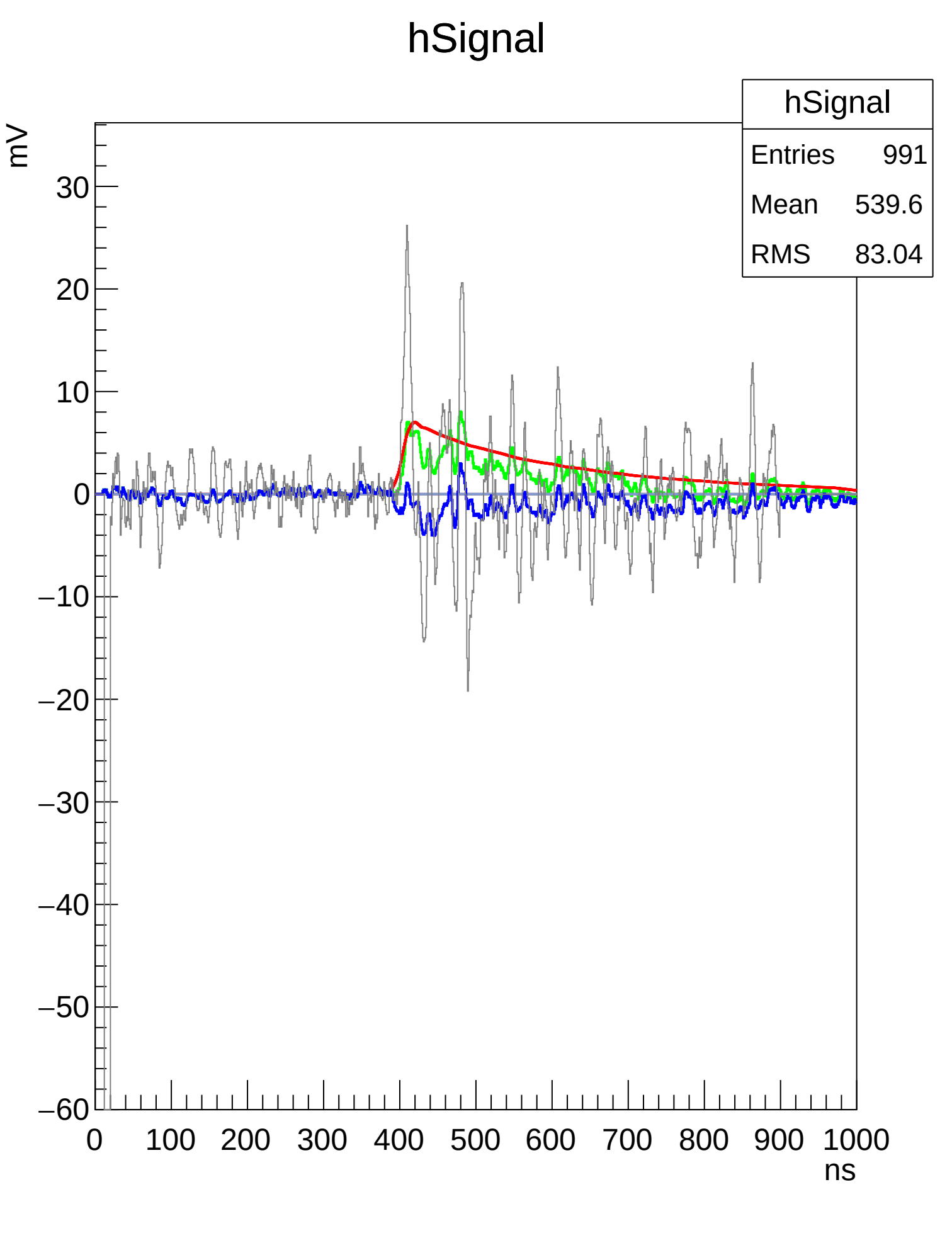

hSignal
hSignal
Entries 991
Mean 582.8
RMS 44.28
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

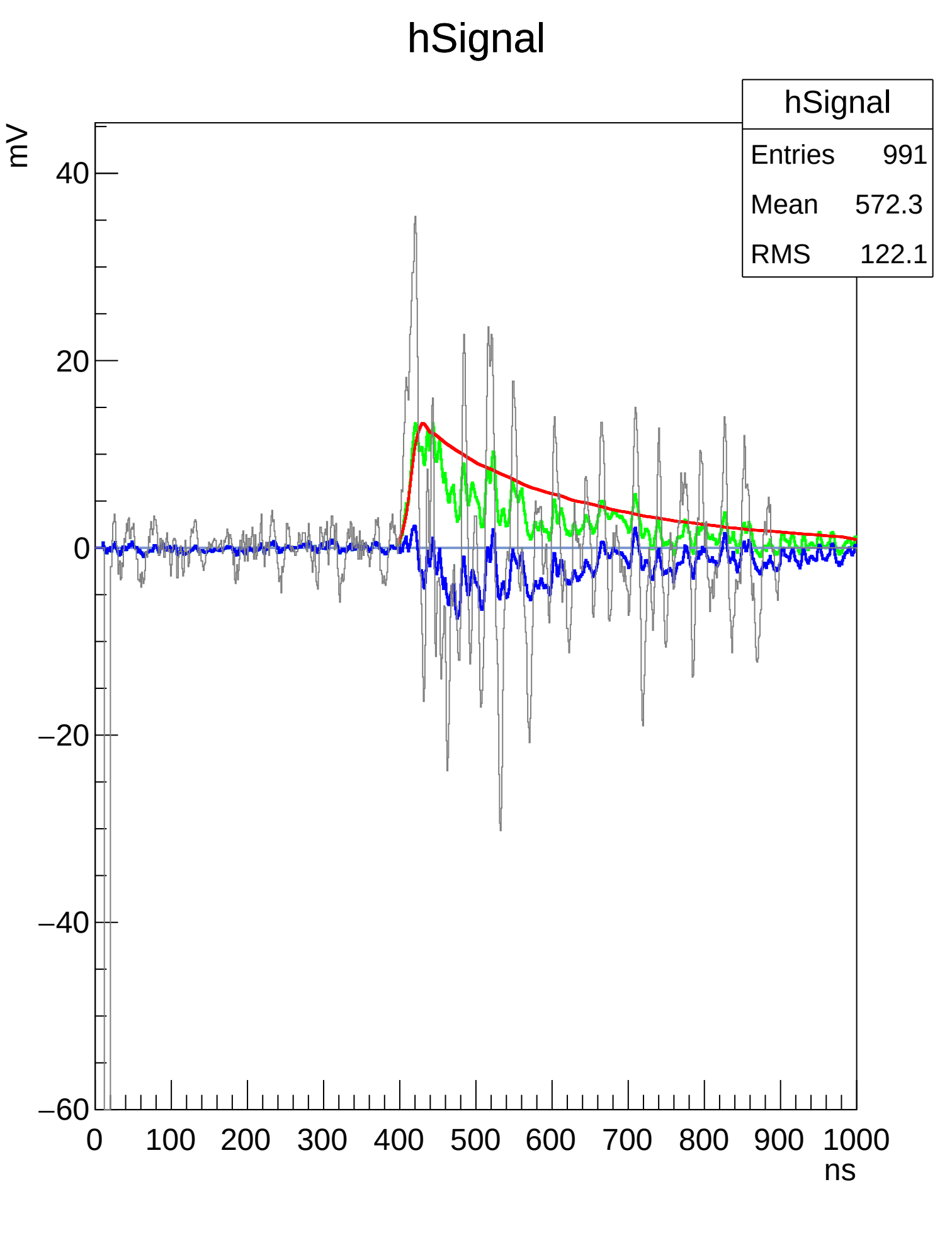

hSignal
hSignal
Entries 991
Mean 578.3
RMS 145.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.8
RMS 136.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.9
RMS 168.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.8
RMS 129.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.6
RMS 83.04
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.3
RMS 122.1
mV
40
20
0
−20
−40
−60
0
100
200
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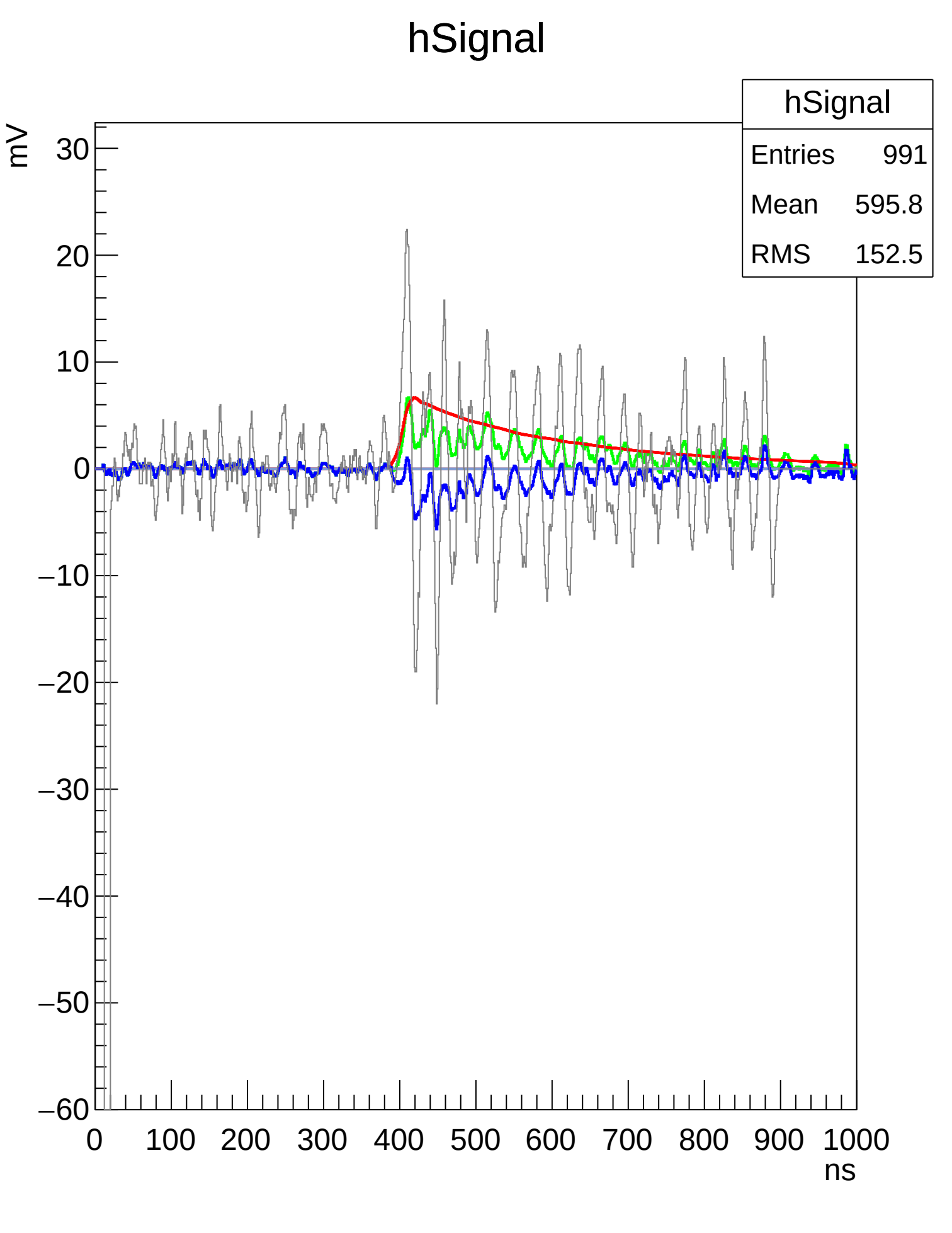
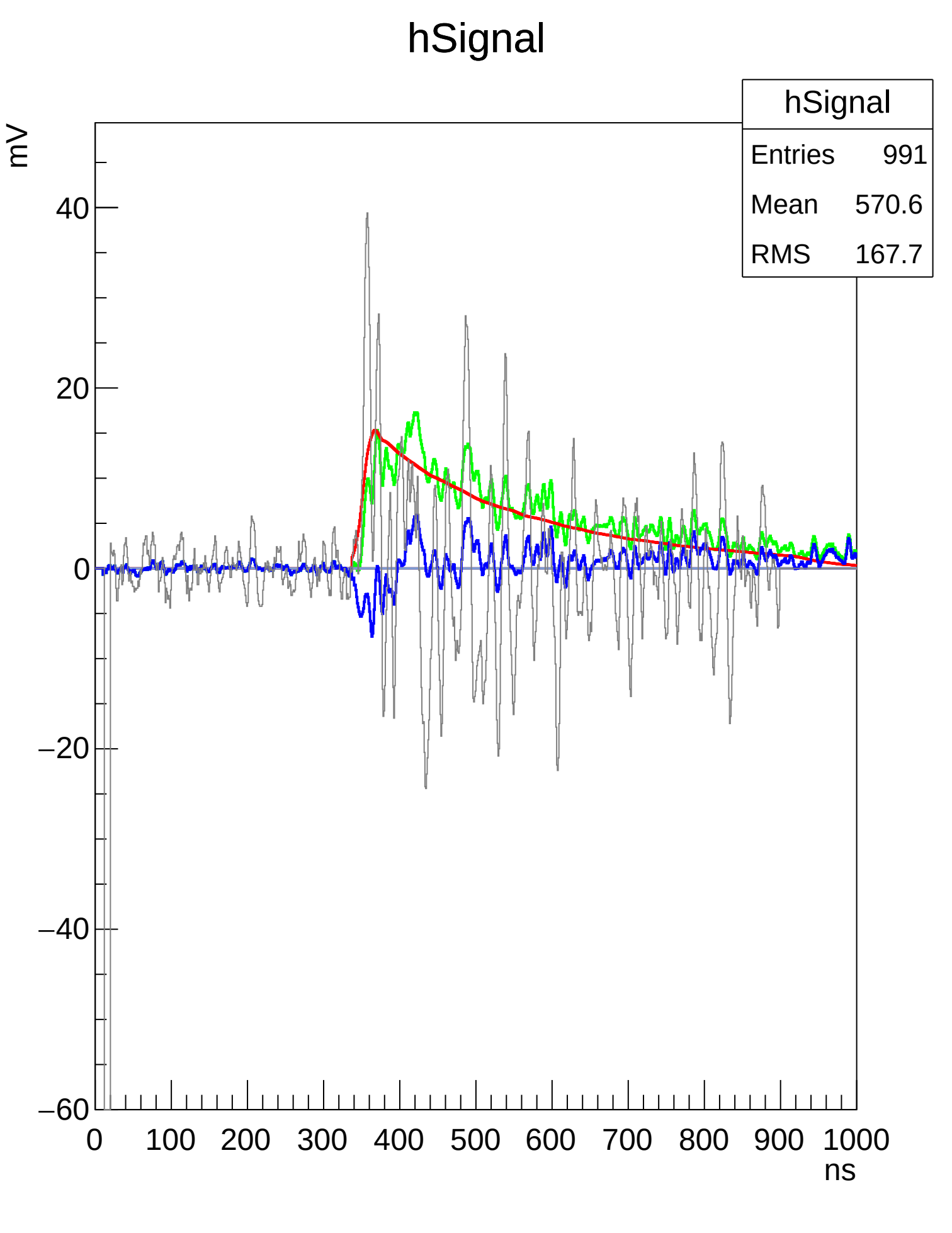
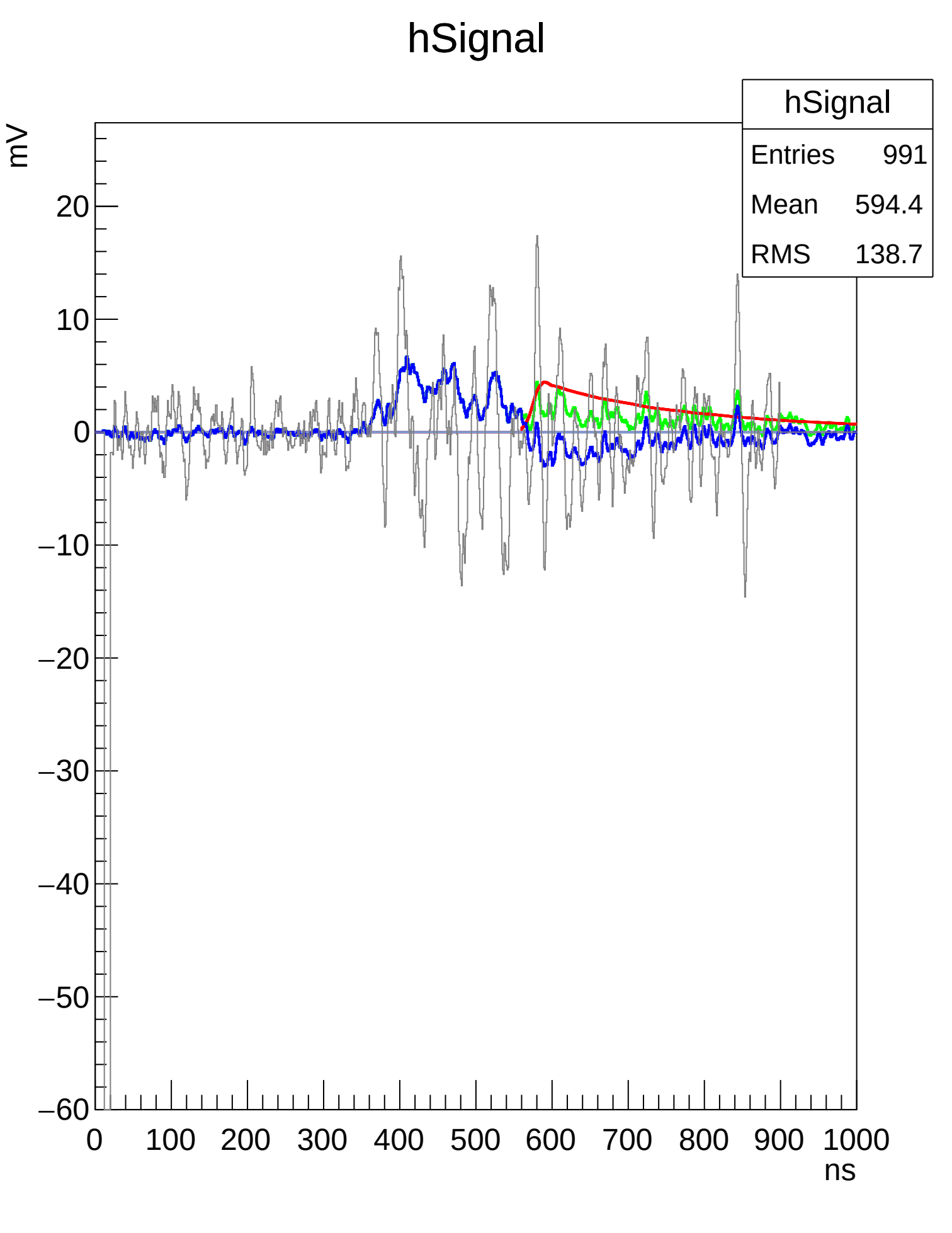
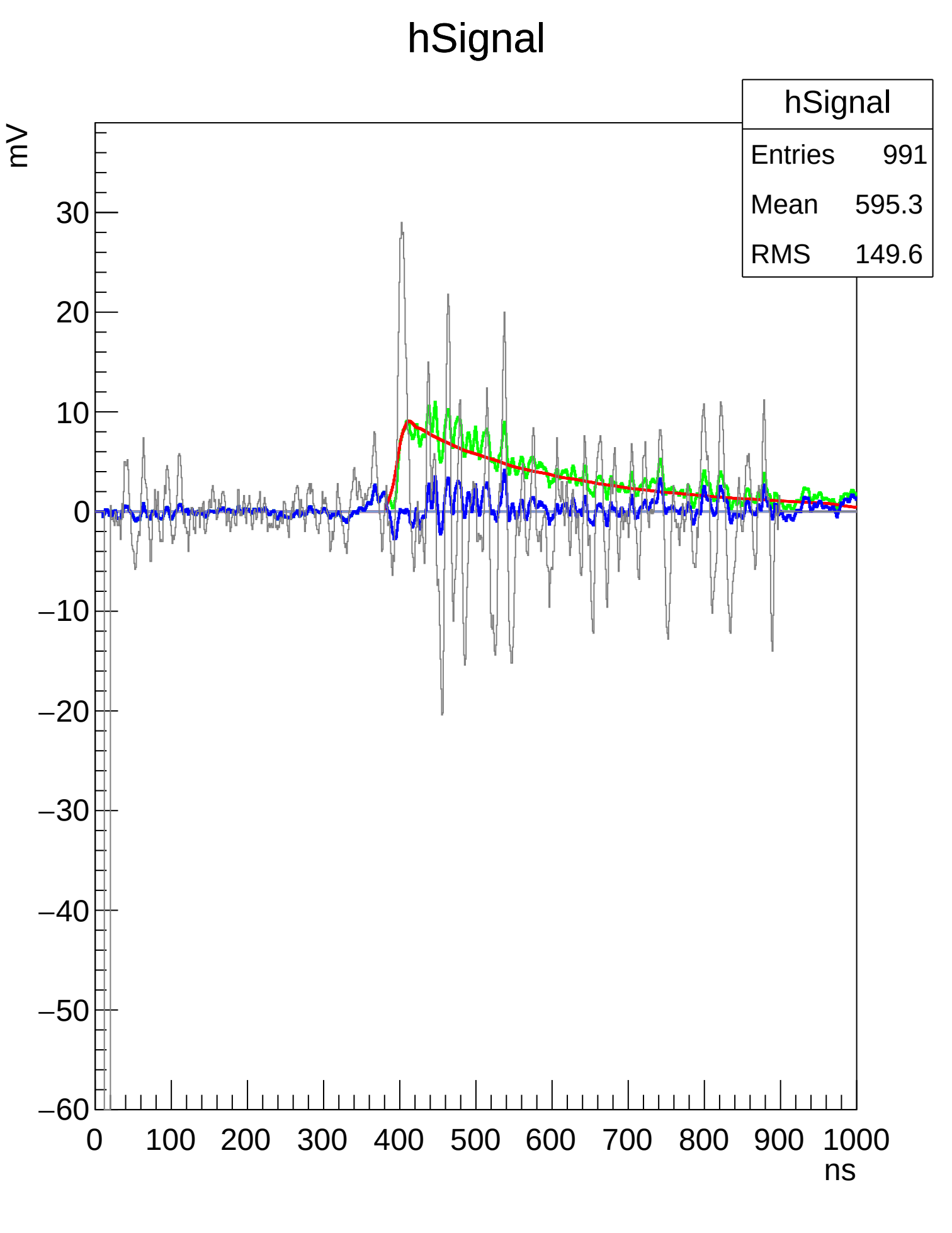
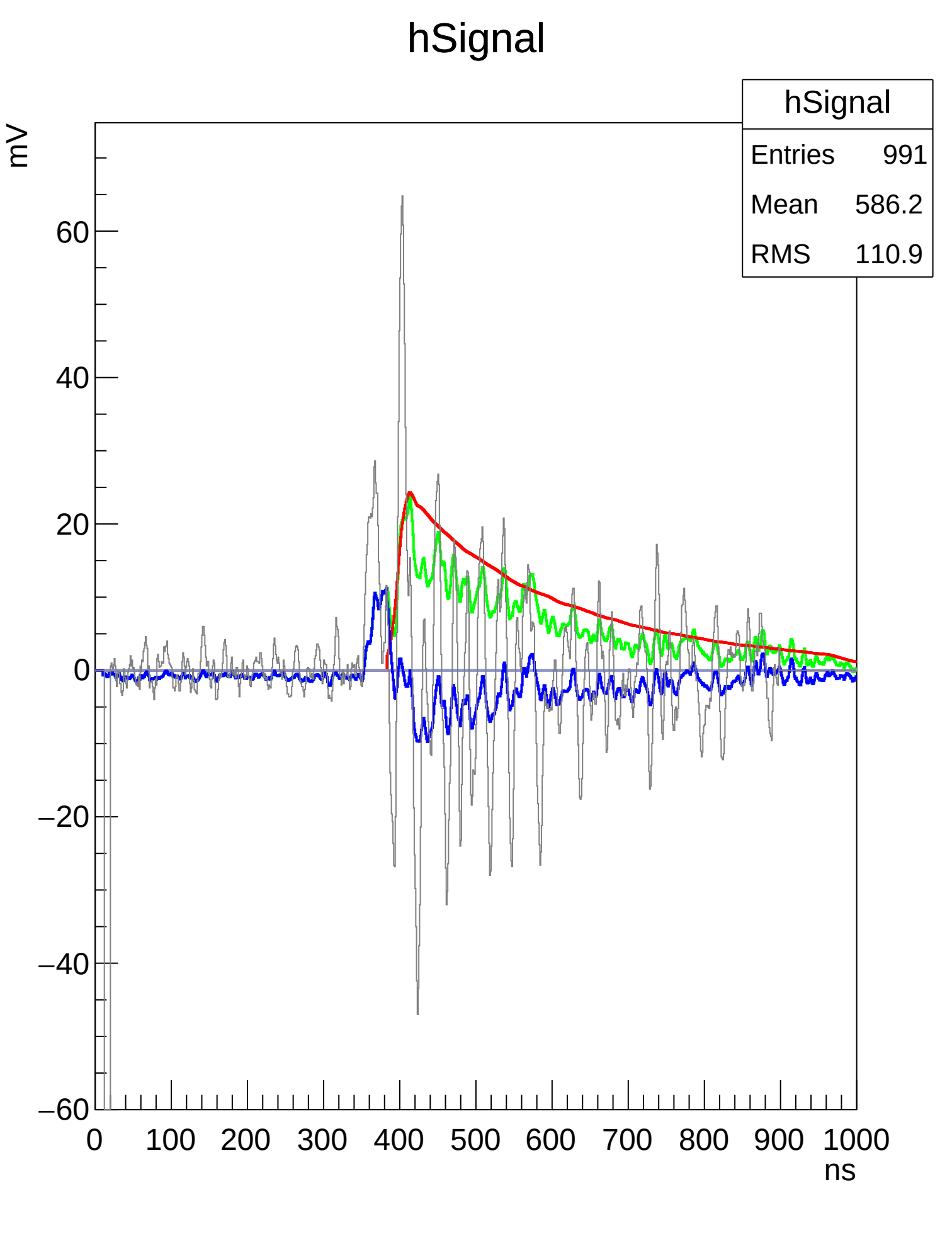
400
500
600
700
800
900
1000
ns

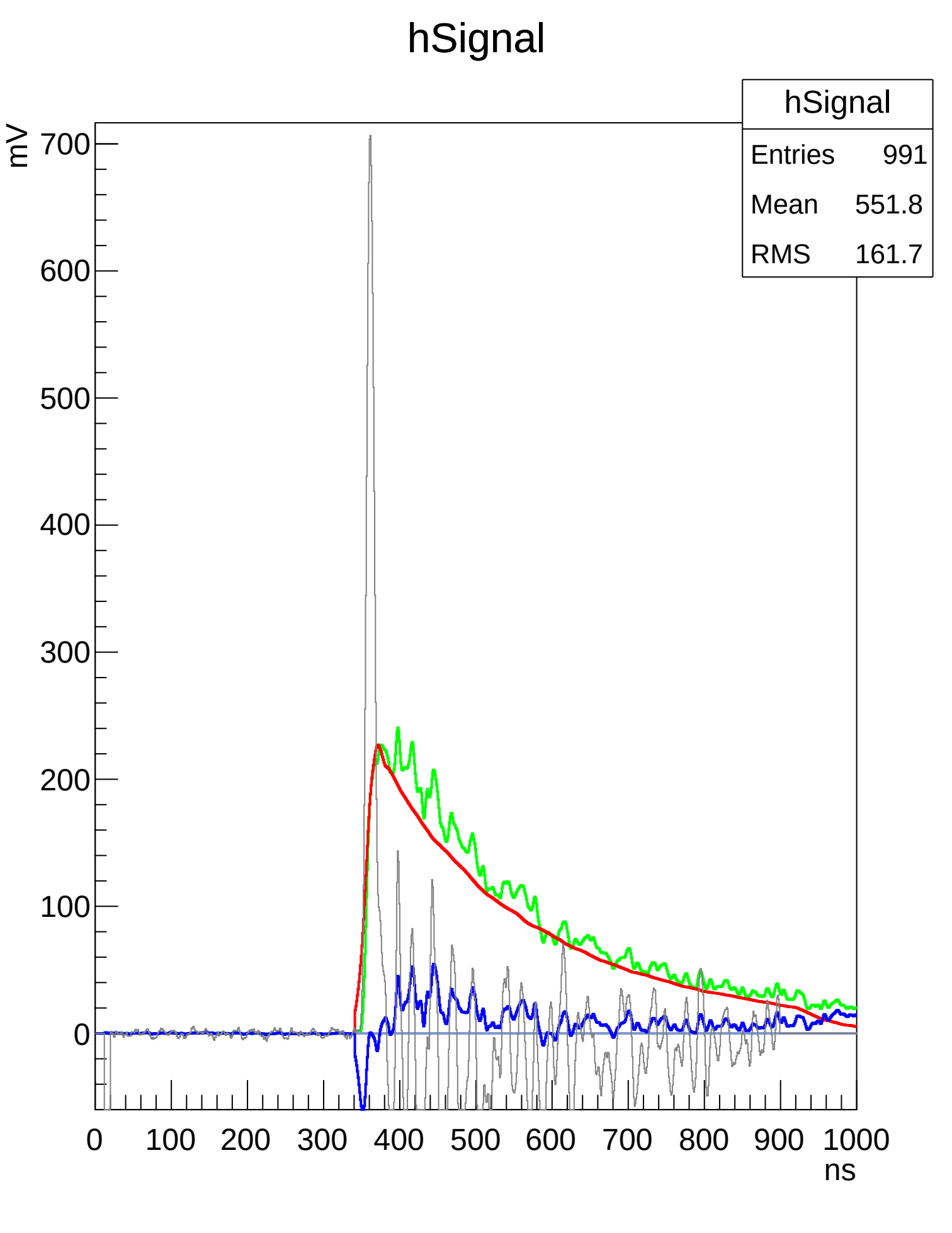

hSignal
hSignal
Entries 991
Mean 595.8
RMS 152.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

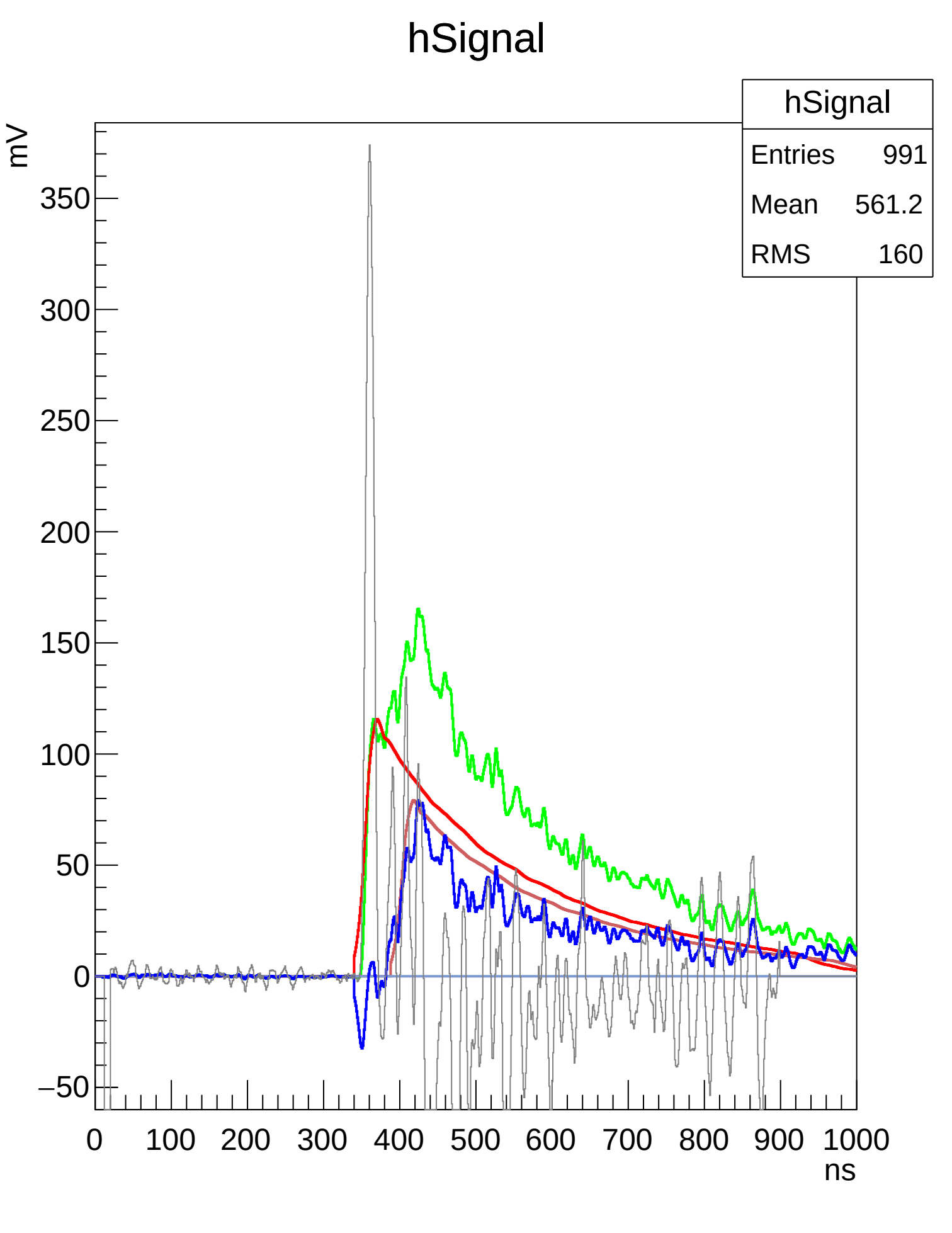

hSignal
hSignal
Entries 991
Mean 570.6
RMS 167.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

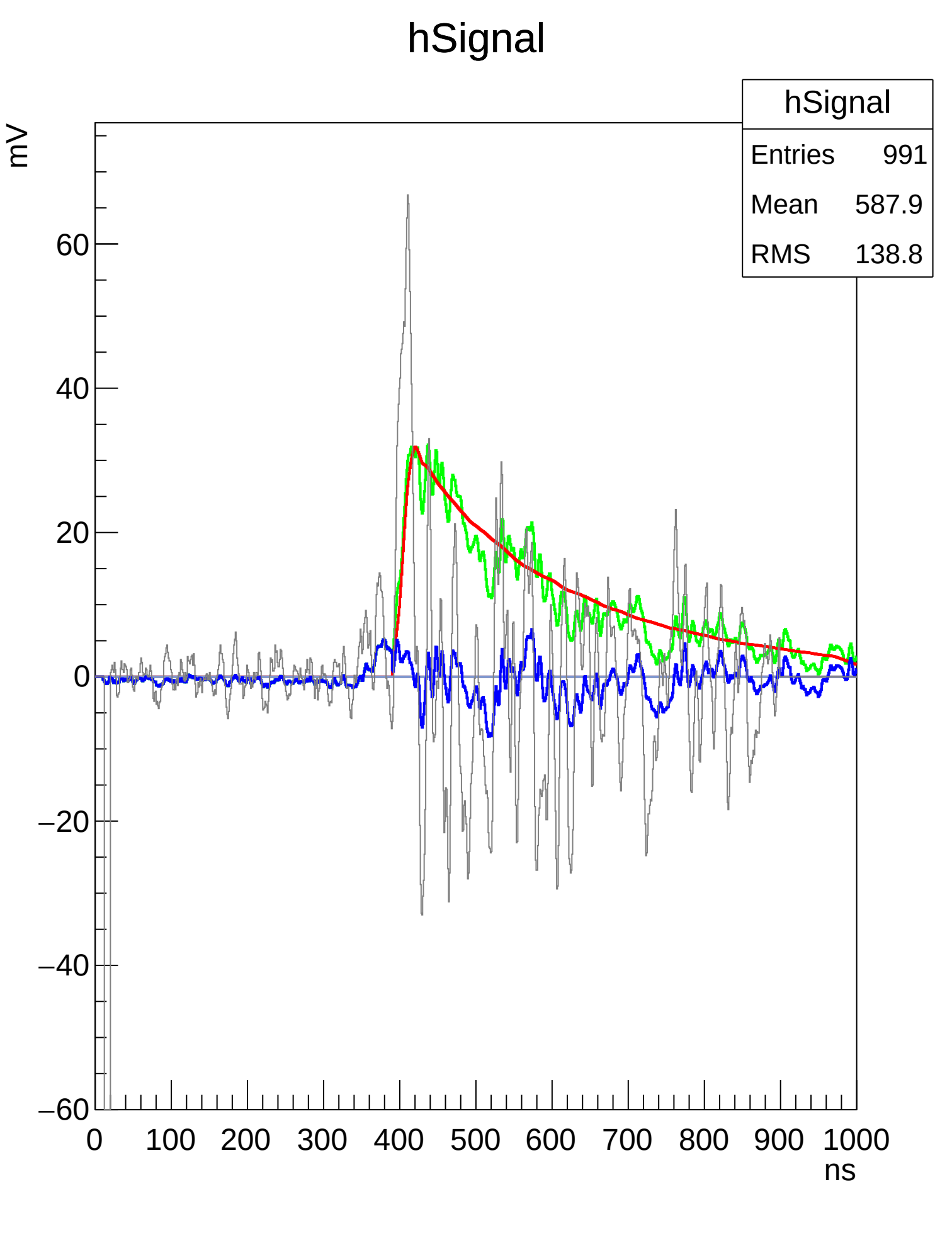

hSignal
hSignal
Entries 991
Mean 594.4
RMS 138.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

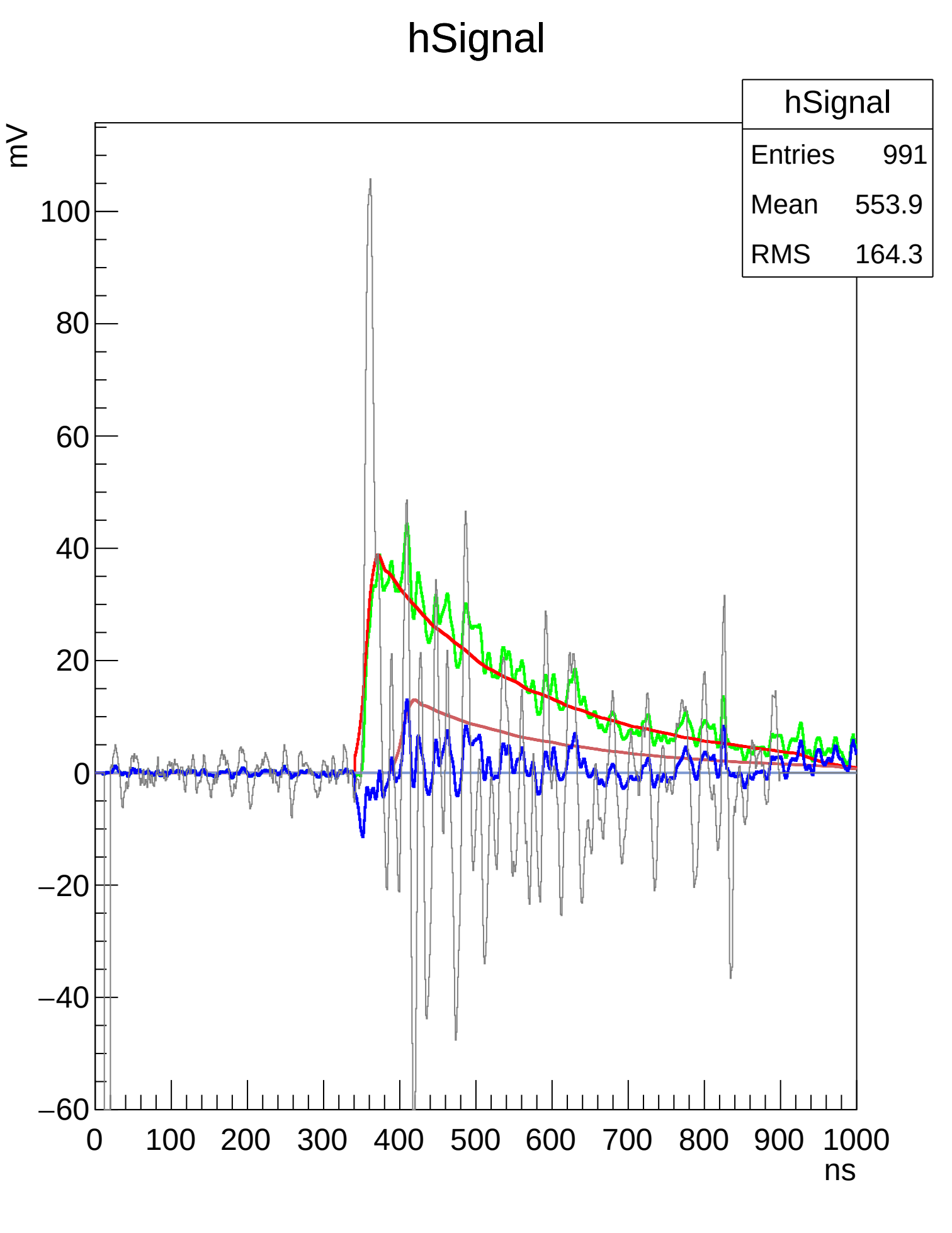

hSignal
hSignal
Entries 991
Mean 595.3
RMS 149.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

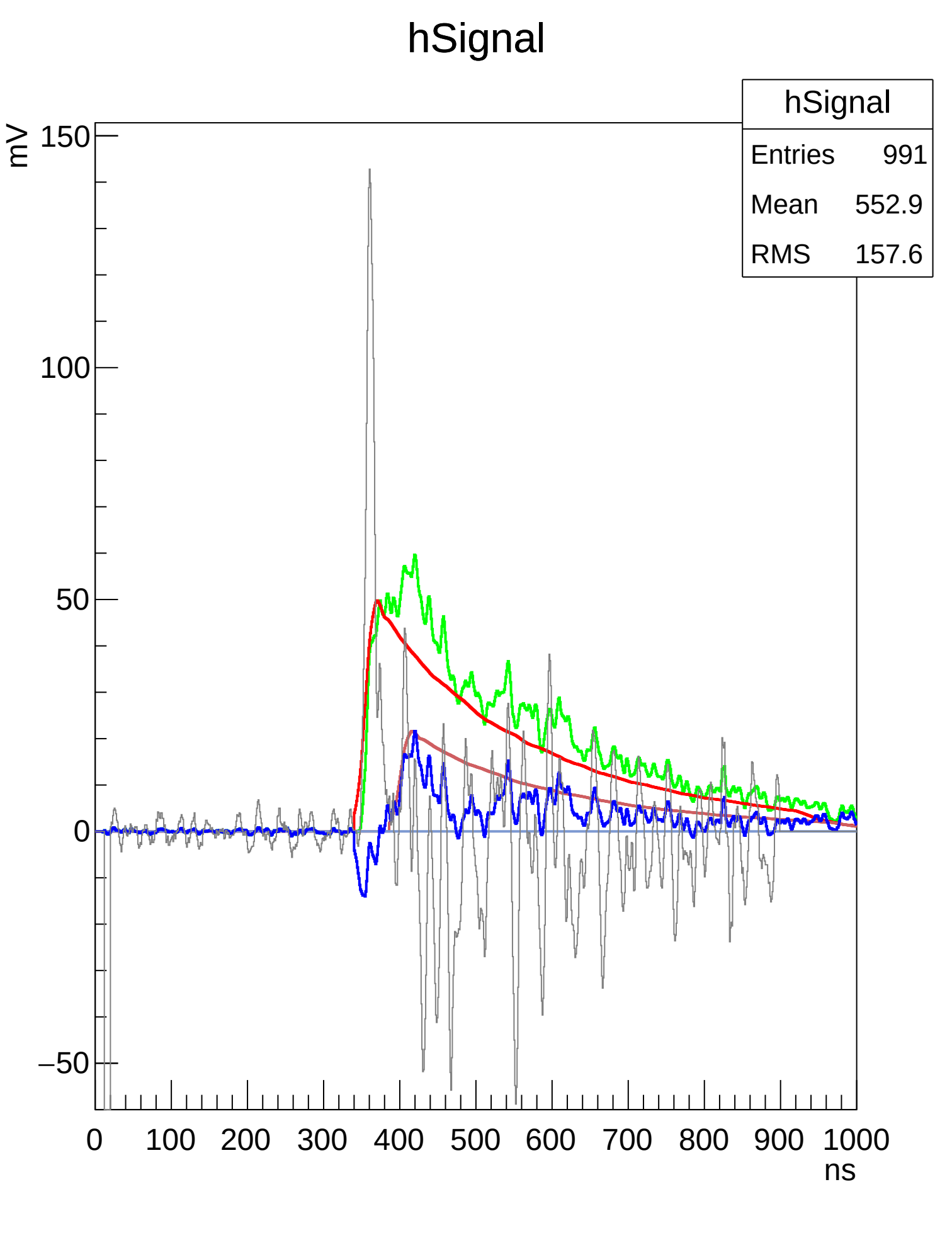

hSignal
hSignal
Entries 991
Mean 586.2
RMS 110.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.8
RMS 161.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.2
RMS 160
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.9
RMS 138.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.9
RMS 164.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.9
RMS 157.6
mV
150
100
50
0
−50
0
100
200
300
400
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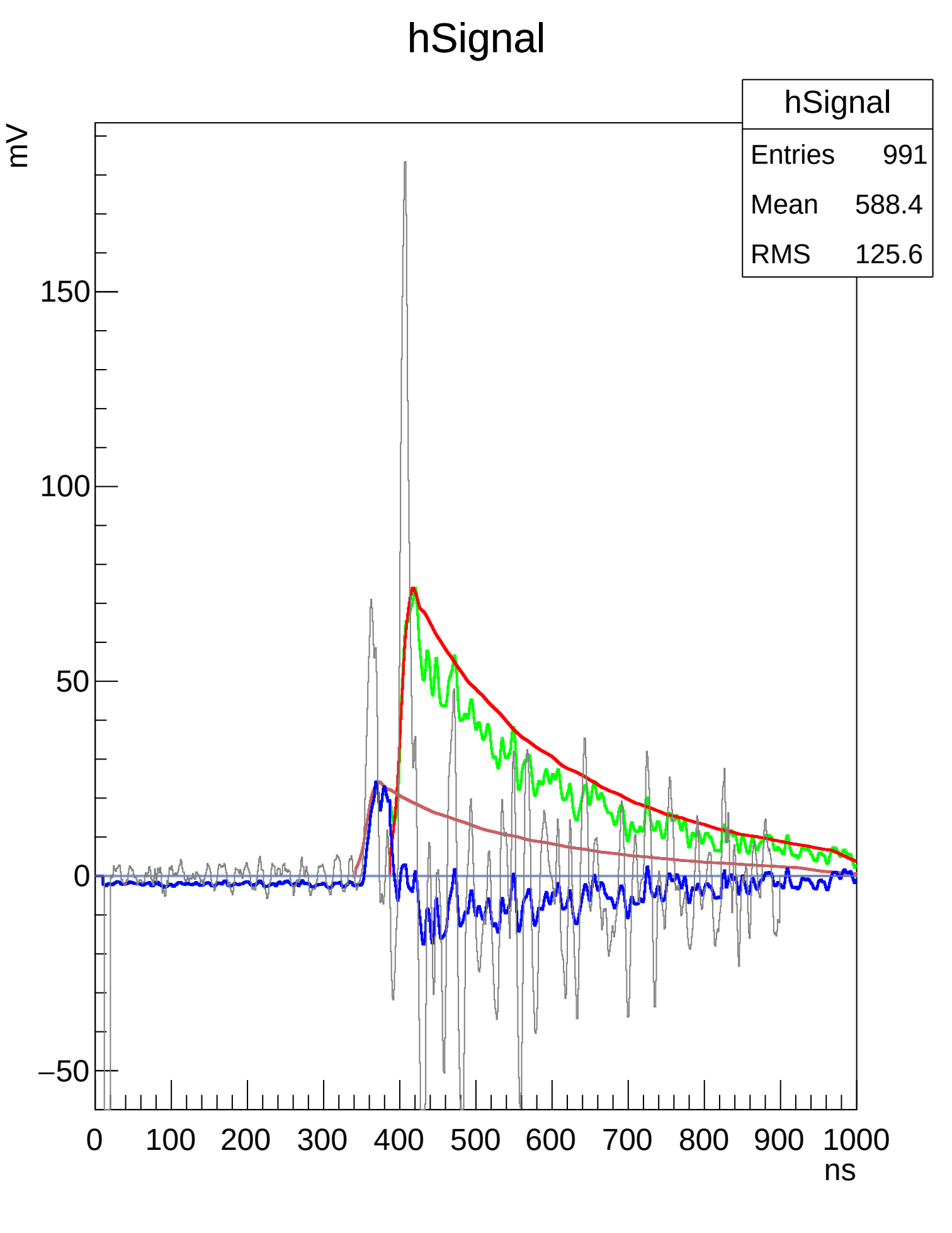
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.4
RMS 125.6
mV
150
100
50
0
−50
0
100
200
300
400
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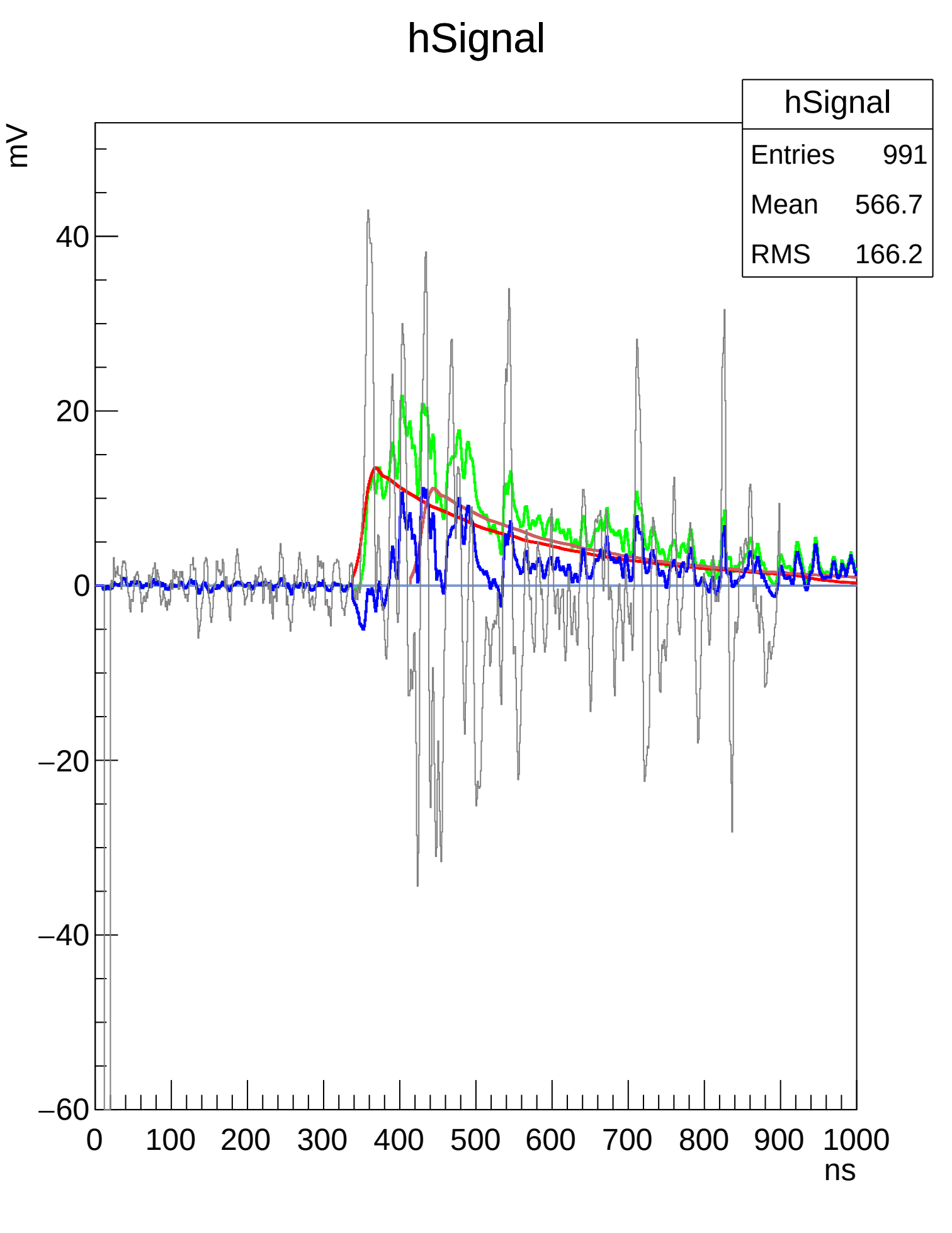
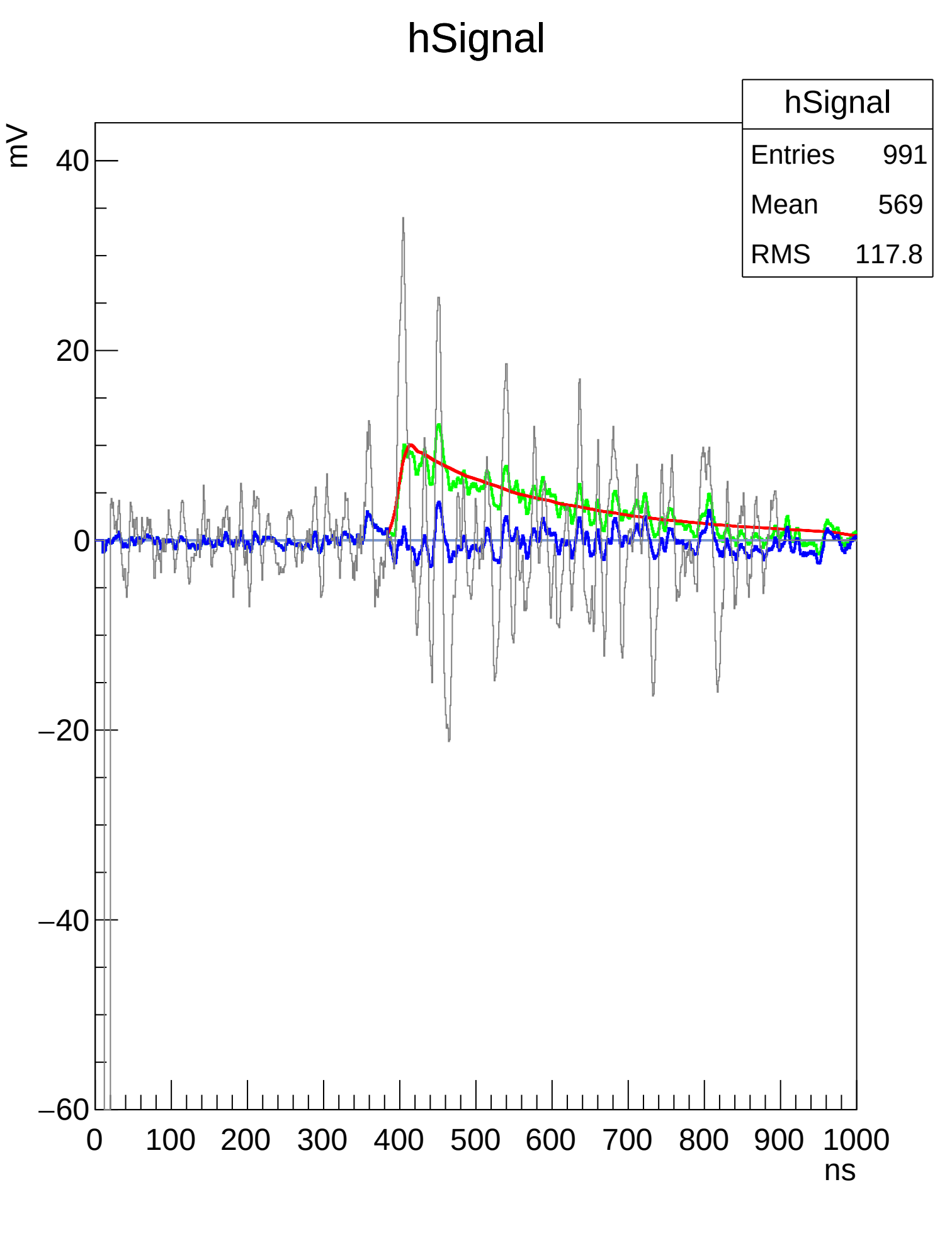
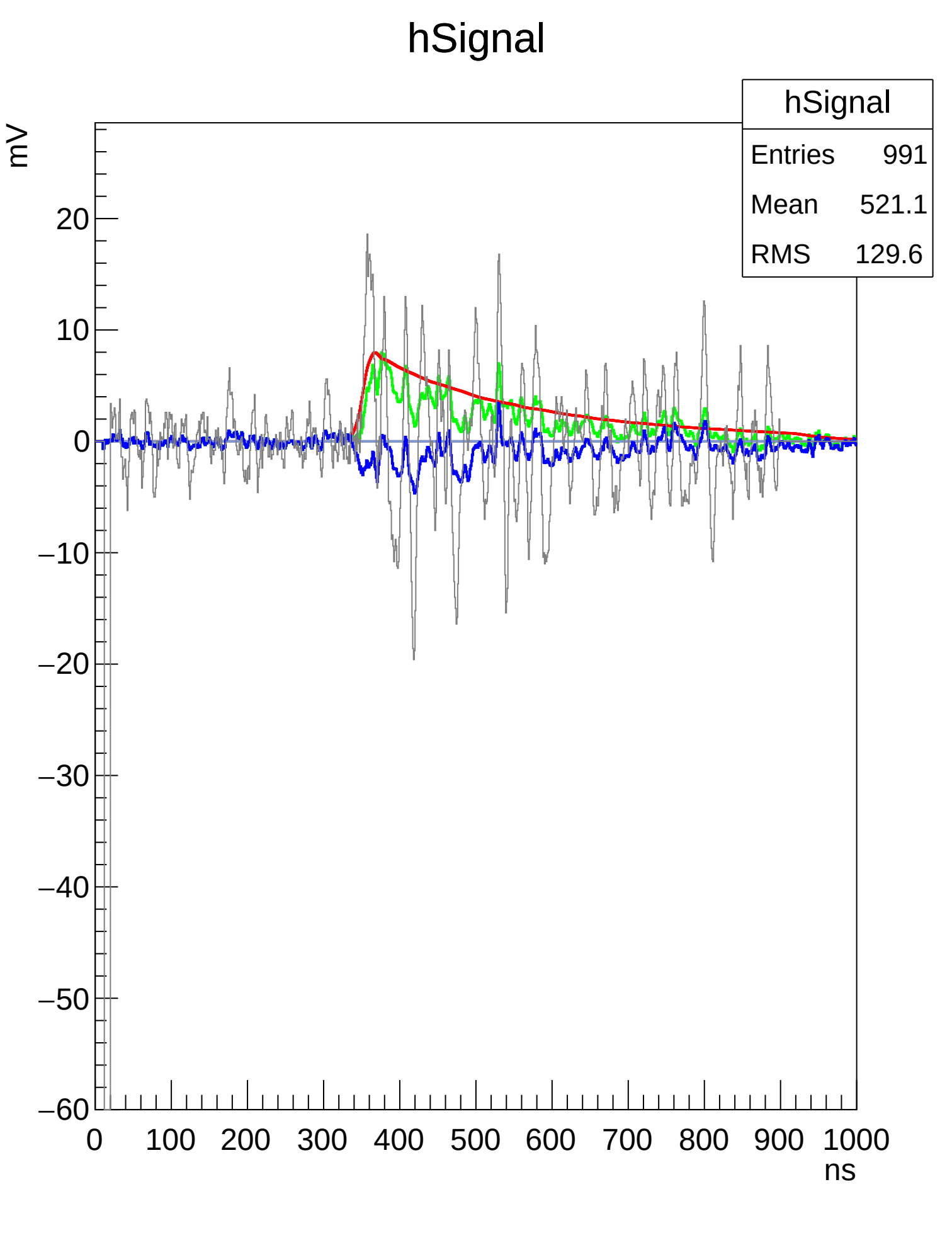
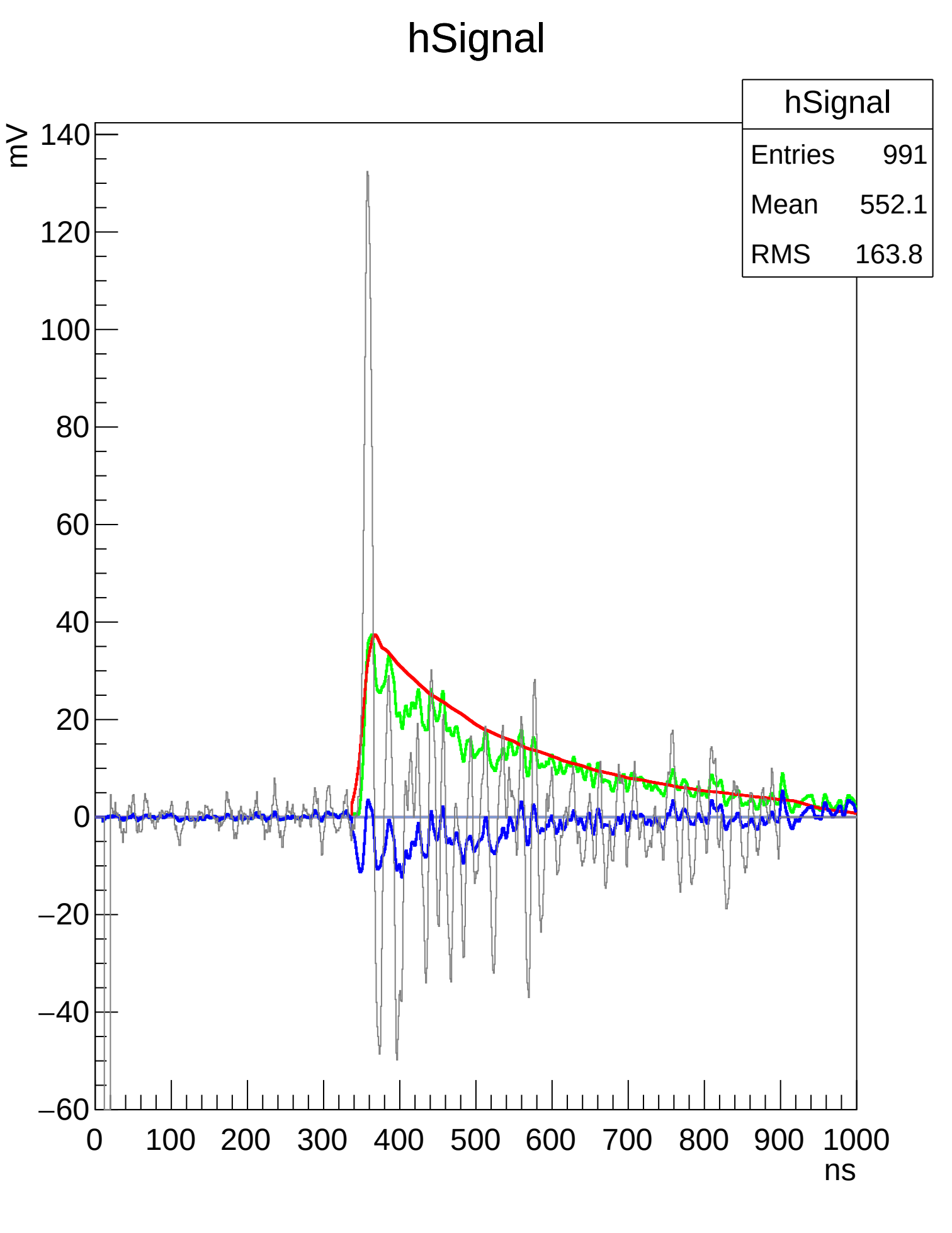
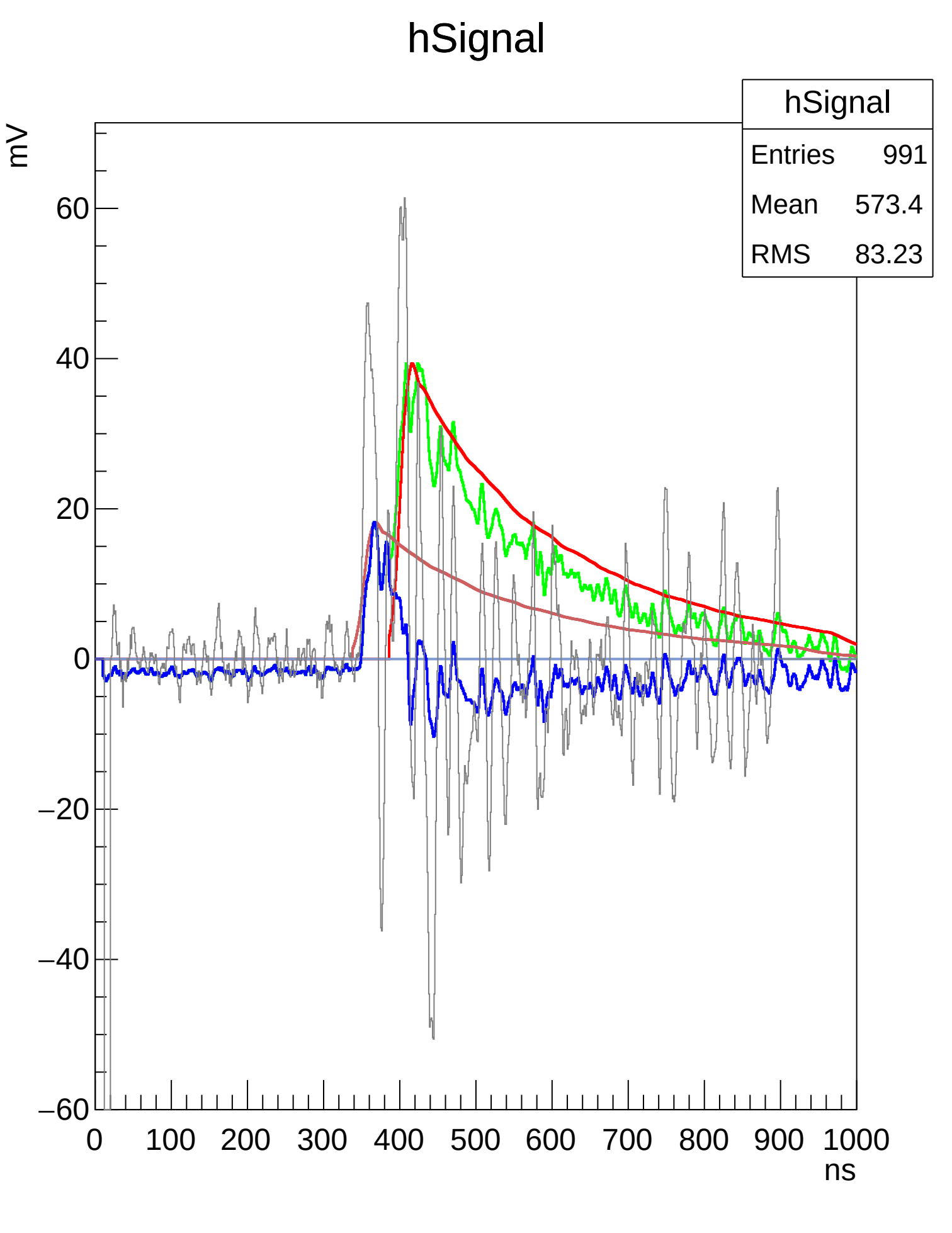
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.7
RMS 166.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569
RMS 117.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.1
RMS 129.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.1
RMS 163.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.4
RMS 83.23
mV
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40
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−20
−40
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800
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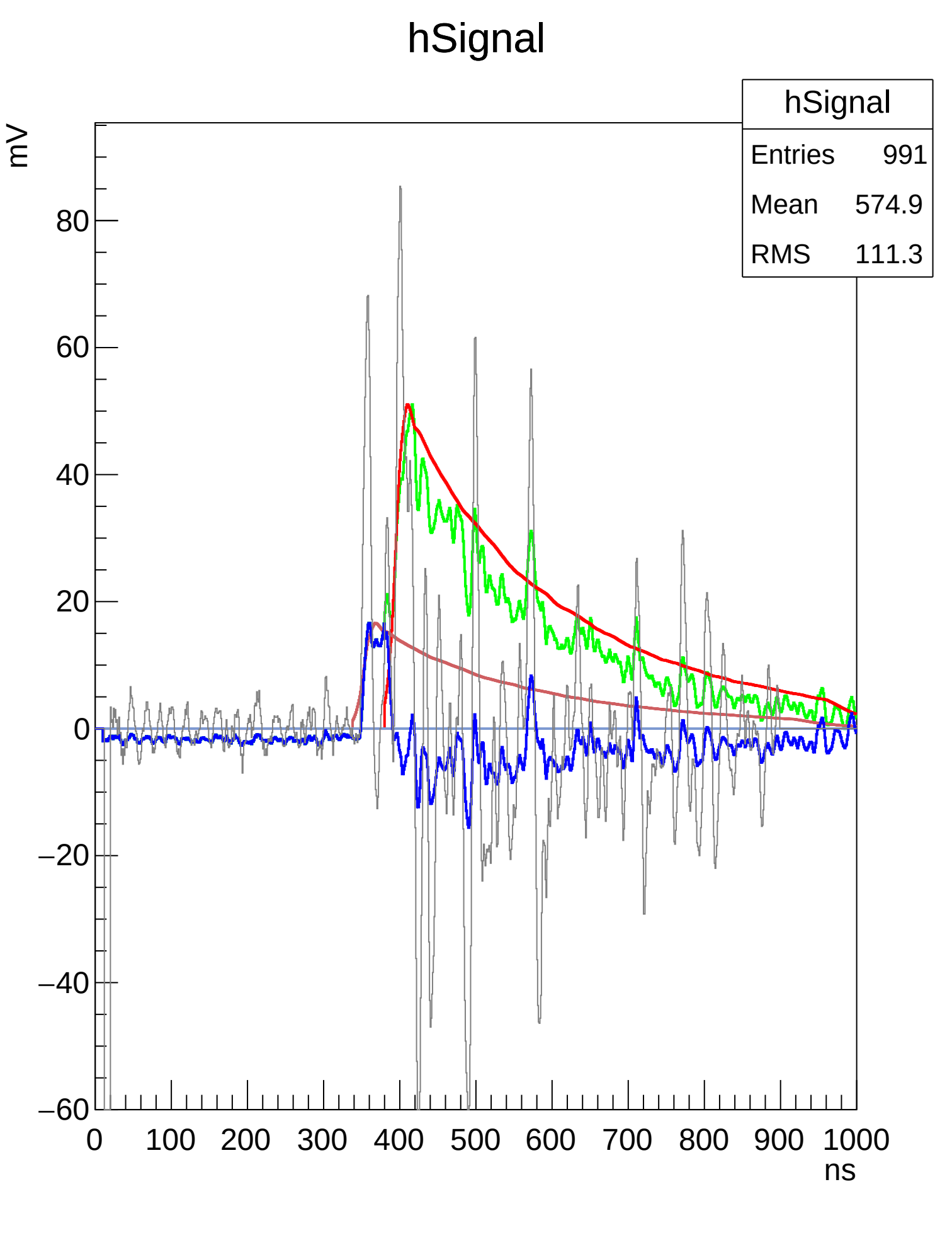
1000
ns


hSignal
hSignal
Entries 991
Mean 574.9
RMS 111.3
mV
80
60
40
20
0
−20
−40
−60
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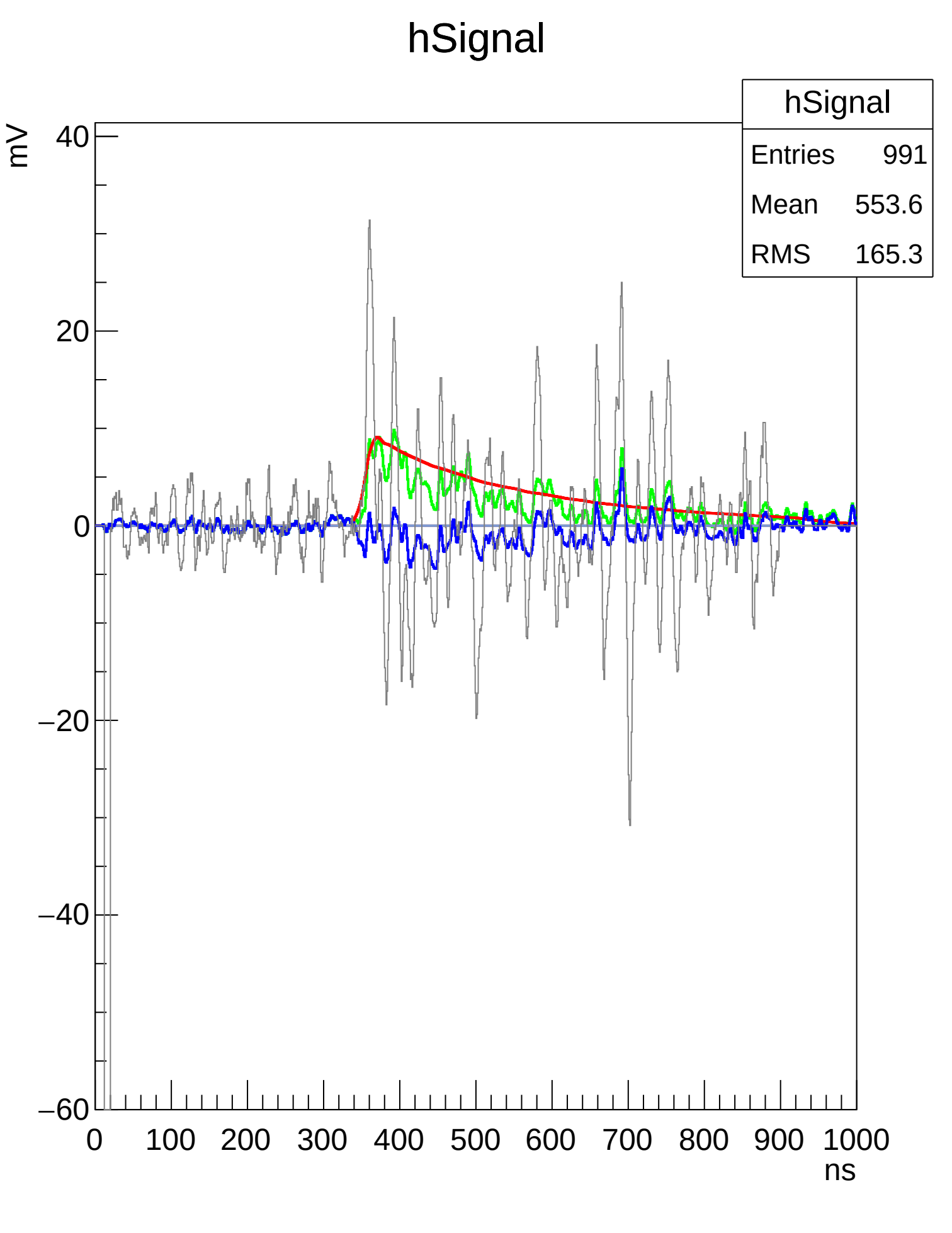
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.6
RMS 165.3
mV
40
20
0
−20
−40
−60
0
100
200
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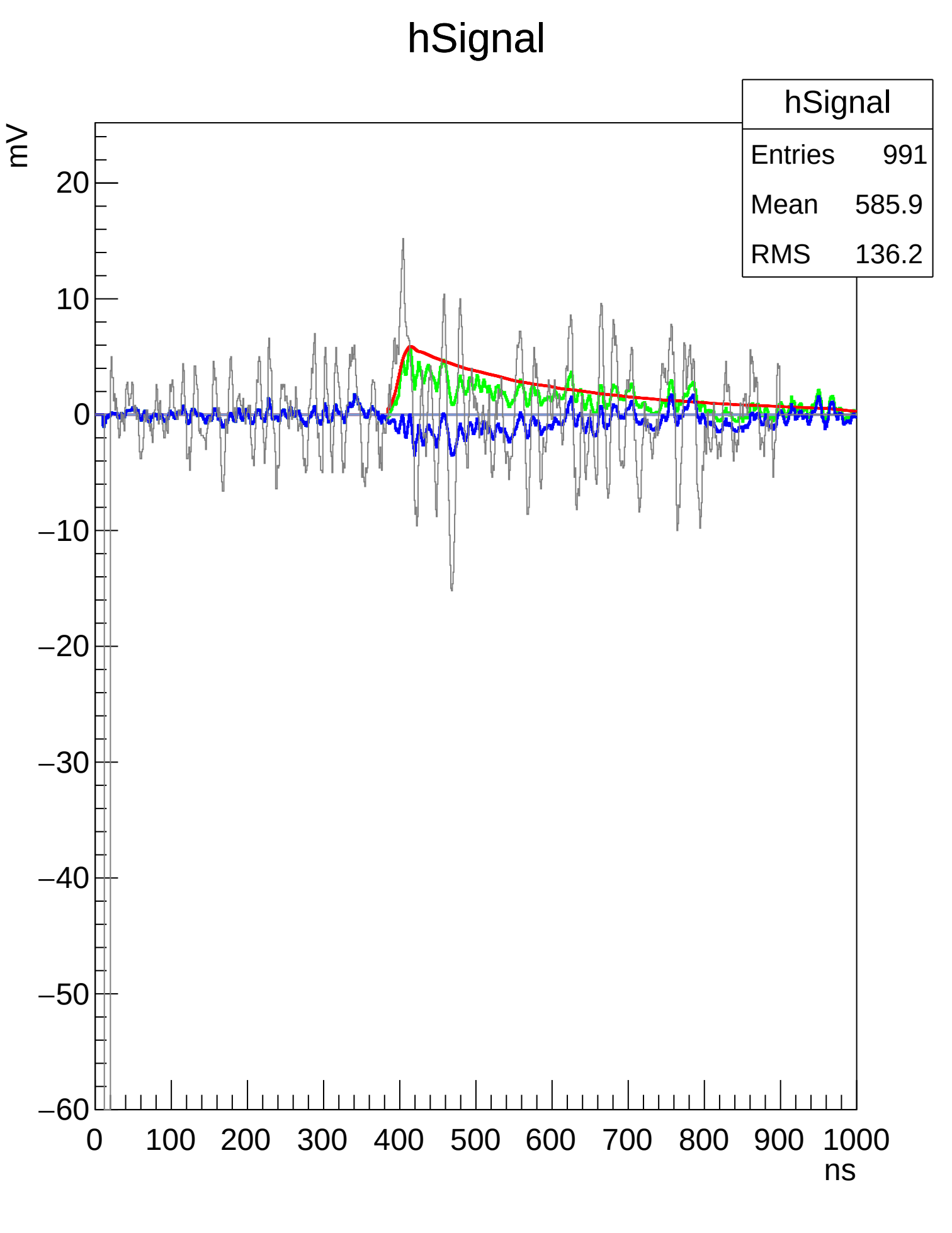
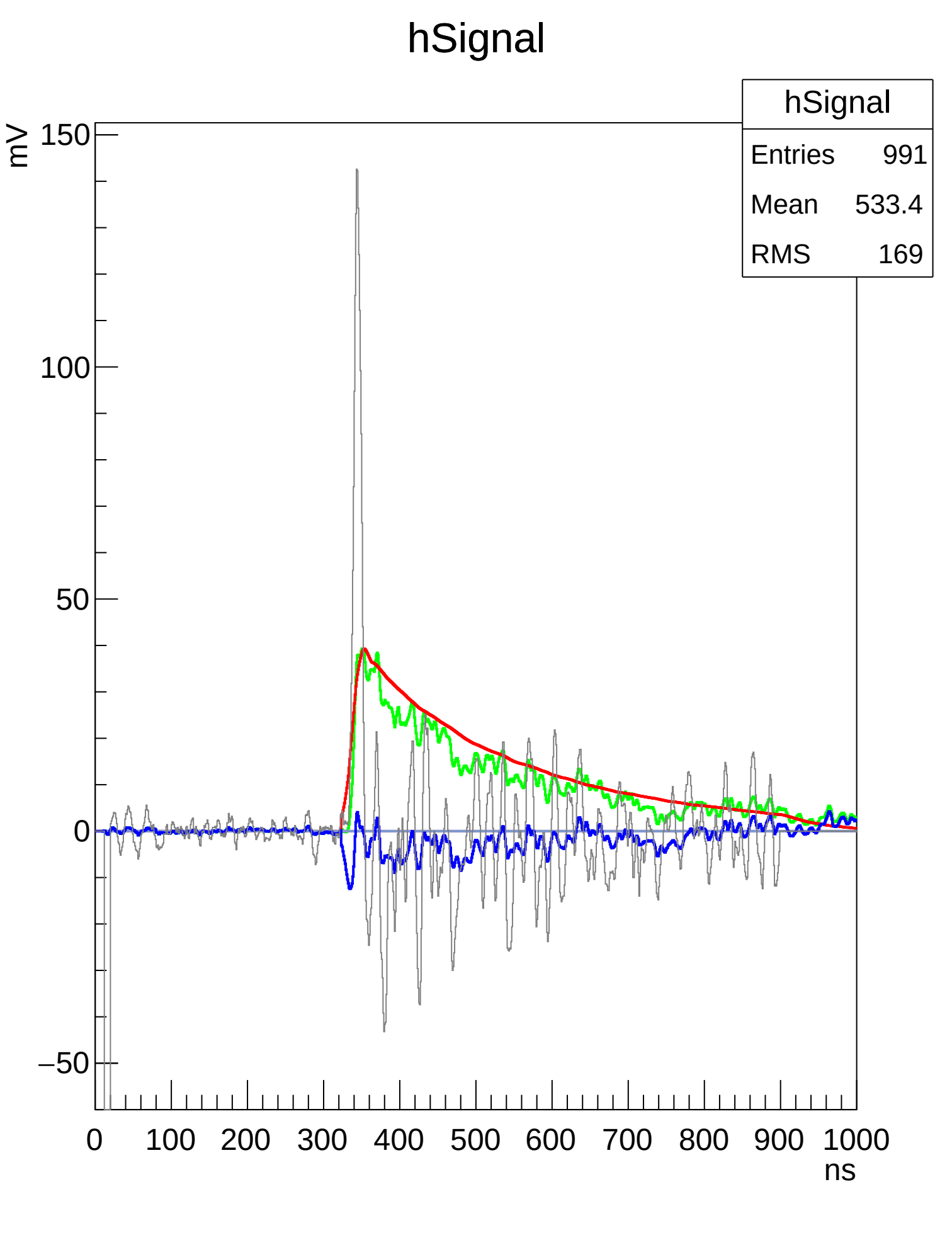
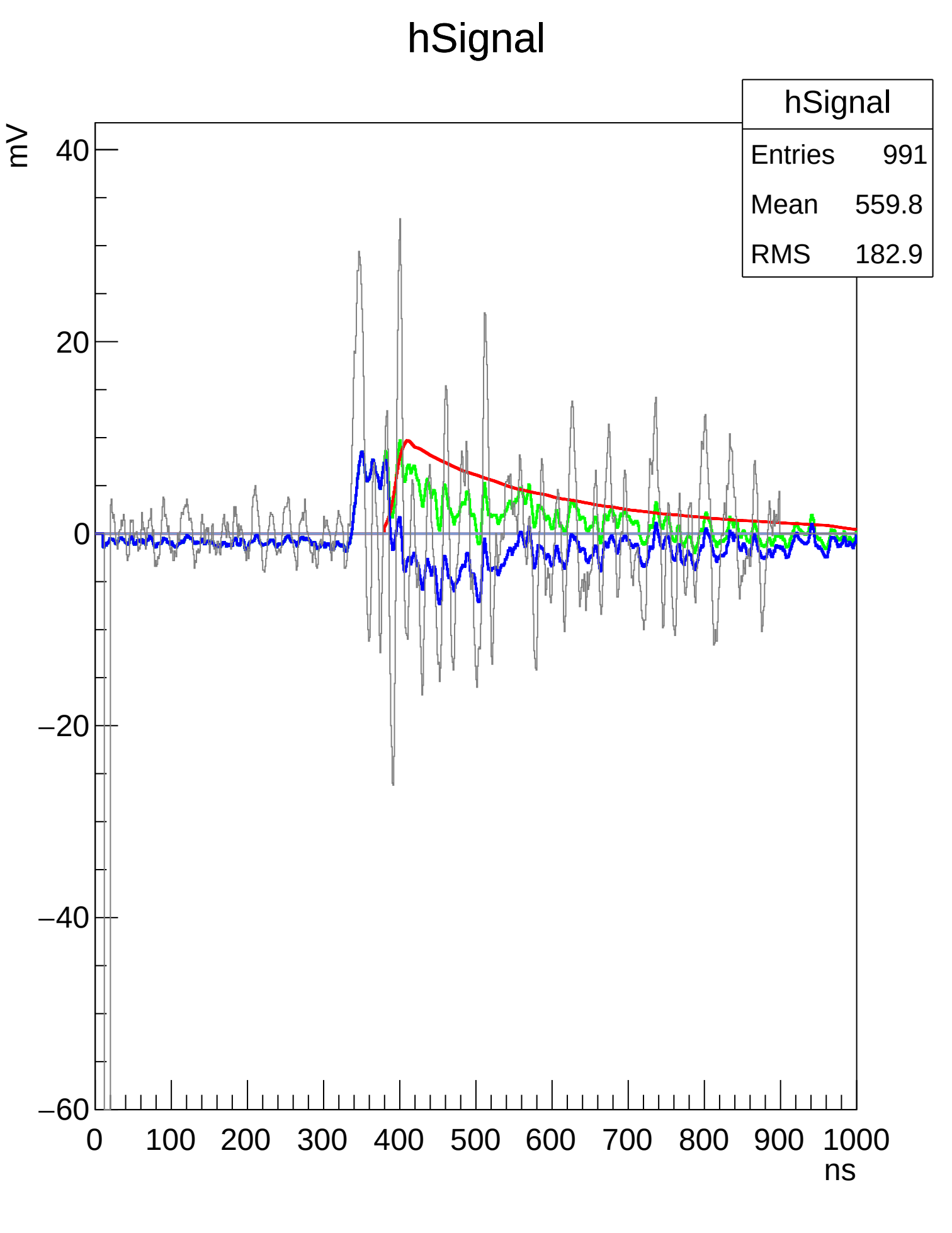
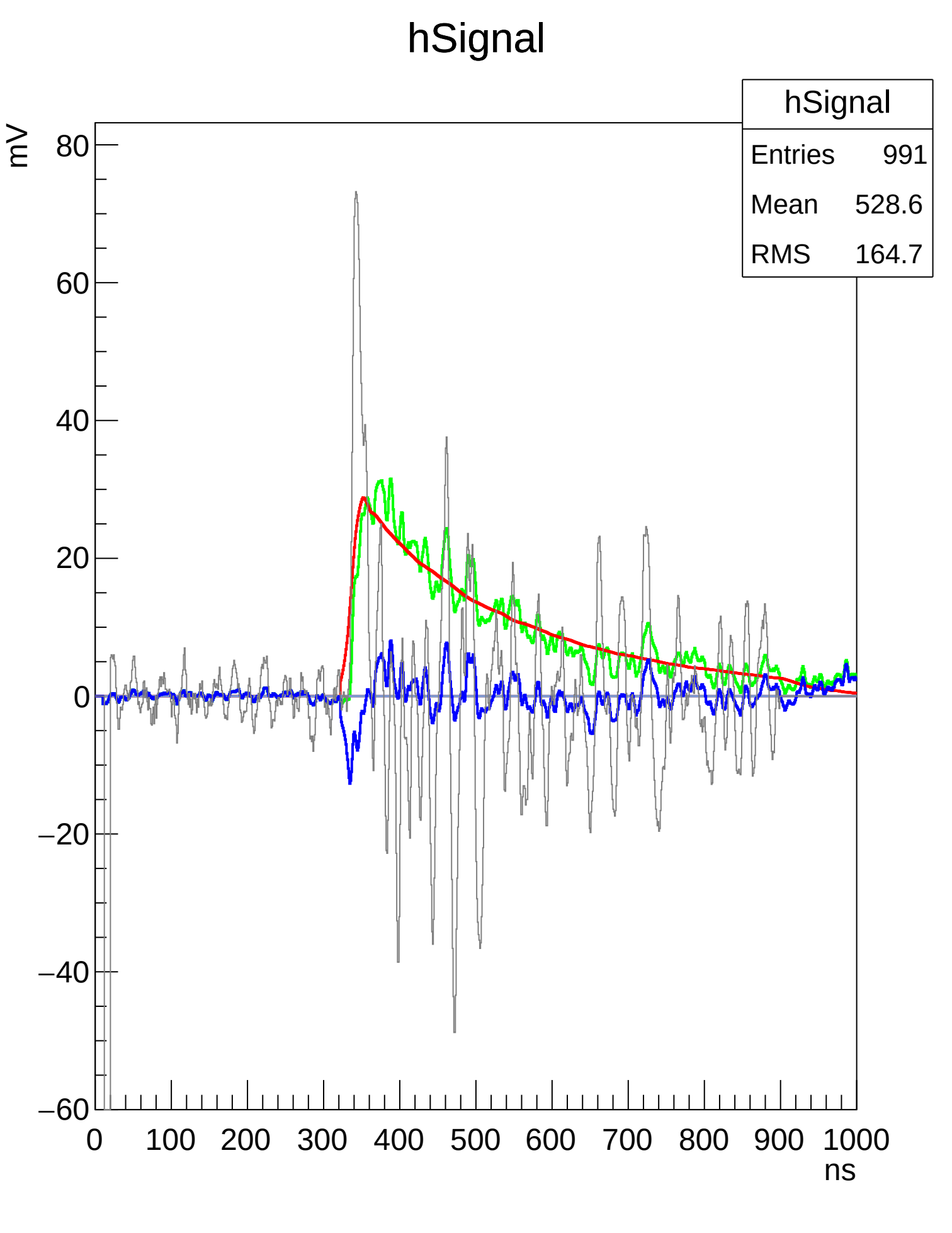
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.9
RMS 136.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.4
RMS 169
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.8
RMS 182.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.6
RMS 164.7
mV
80
60
40
20
0
−20
−40
−60
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100
200
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400
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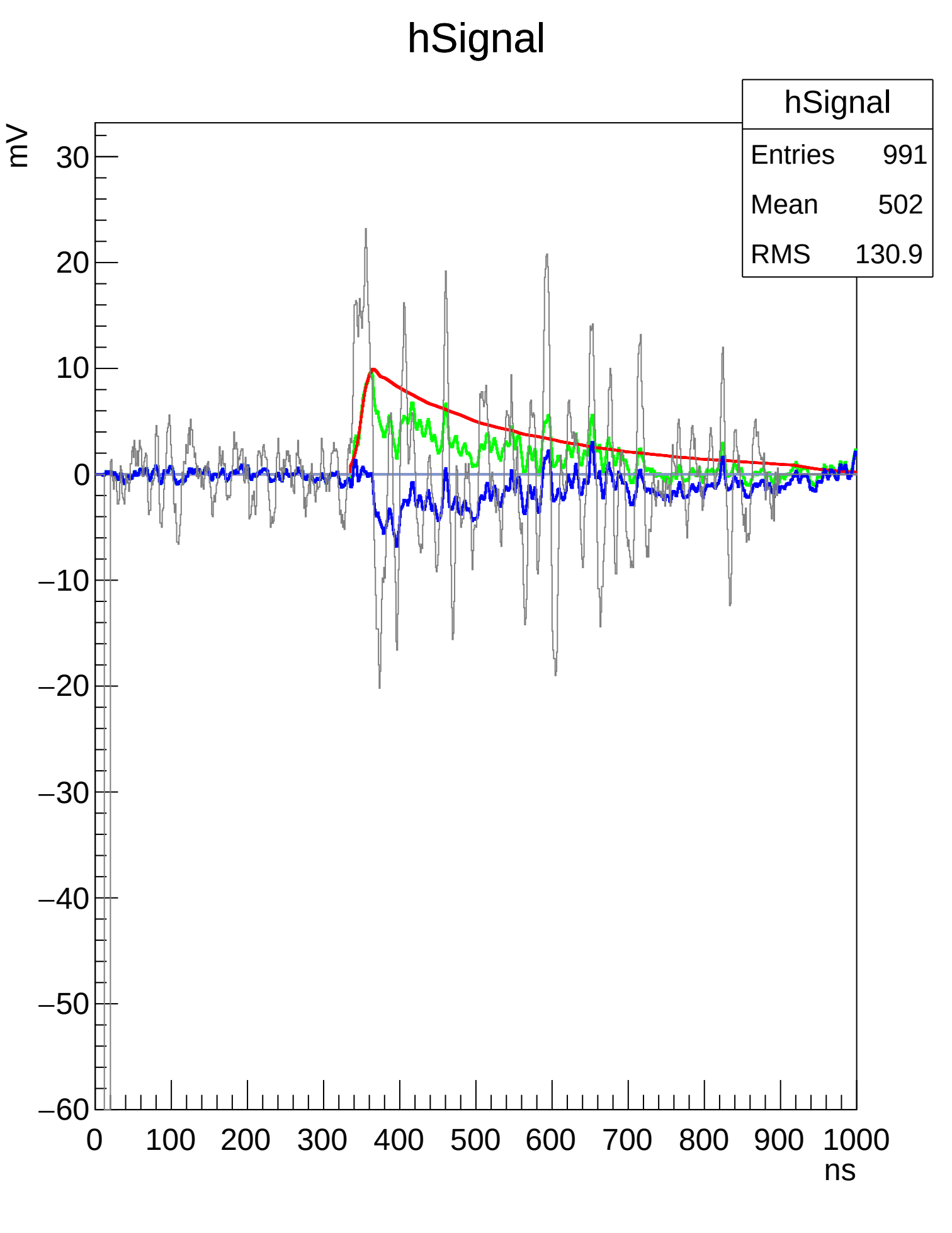
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502
RMS 130.9
mV
30
20
10
0
−10
−20
−30
−40
−50
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100
200
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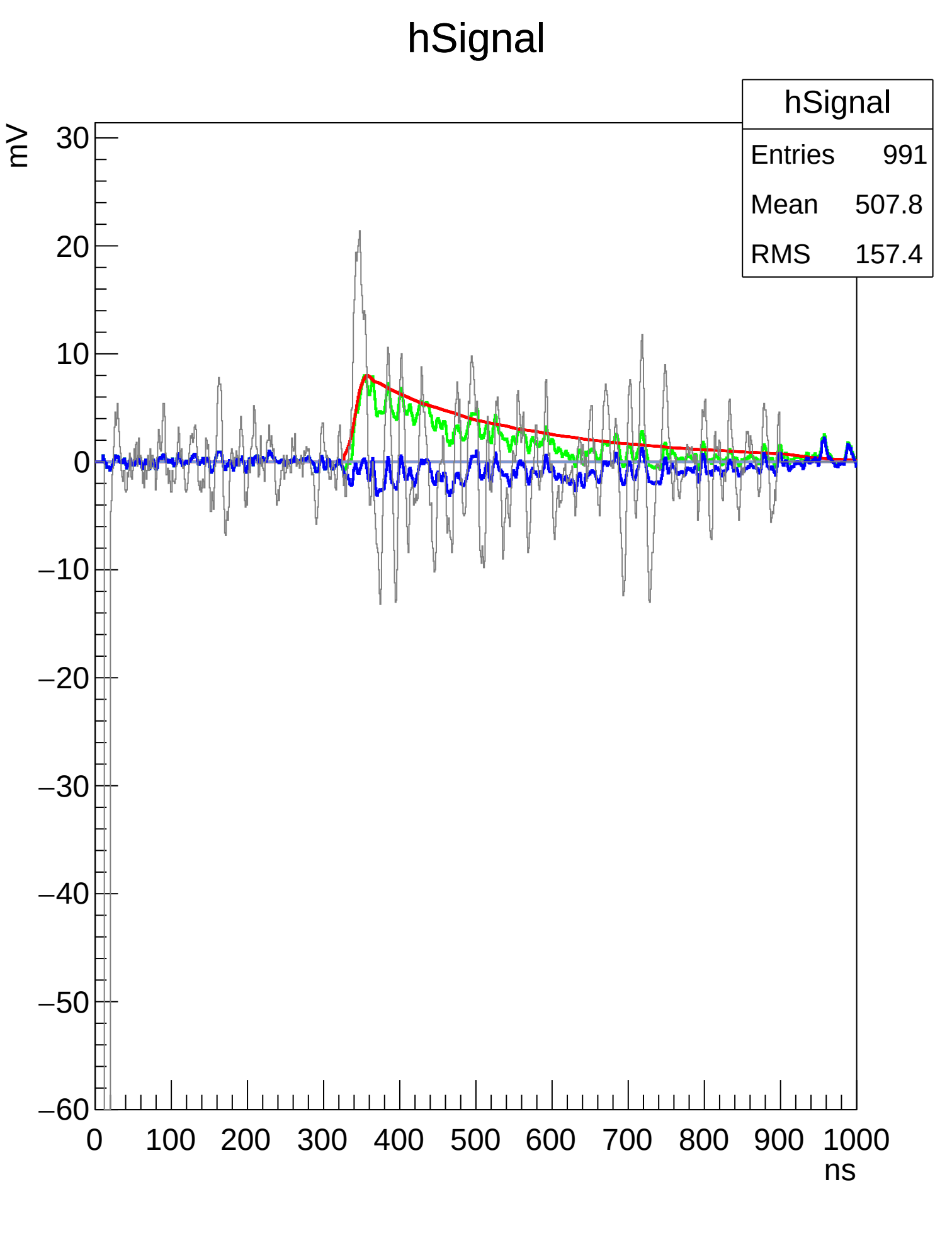
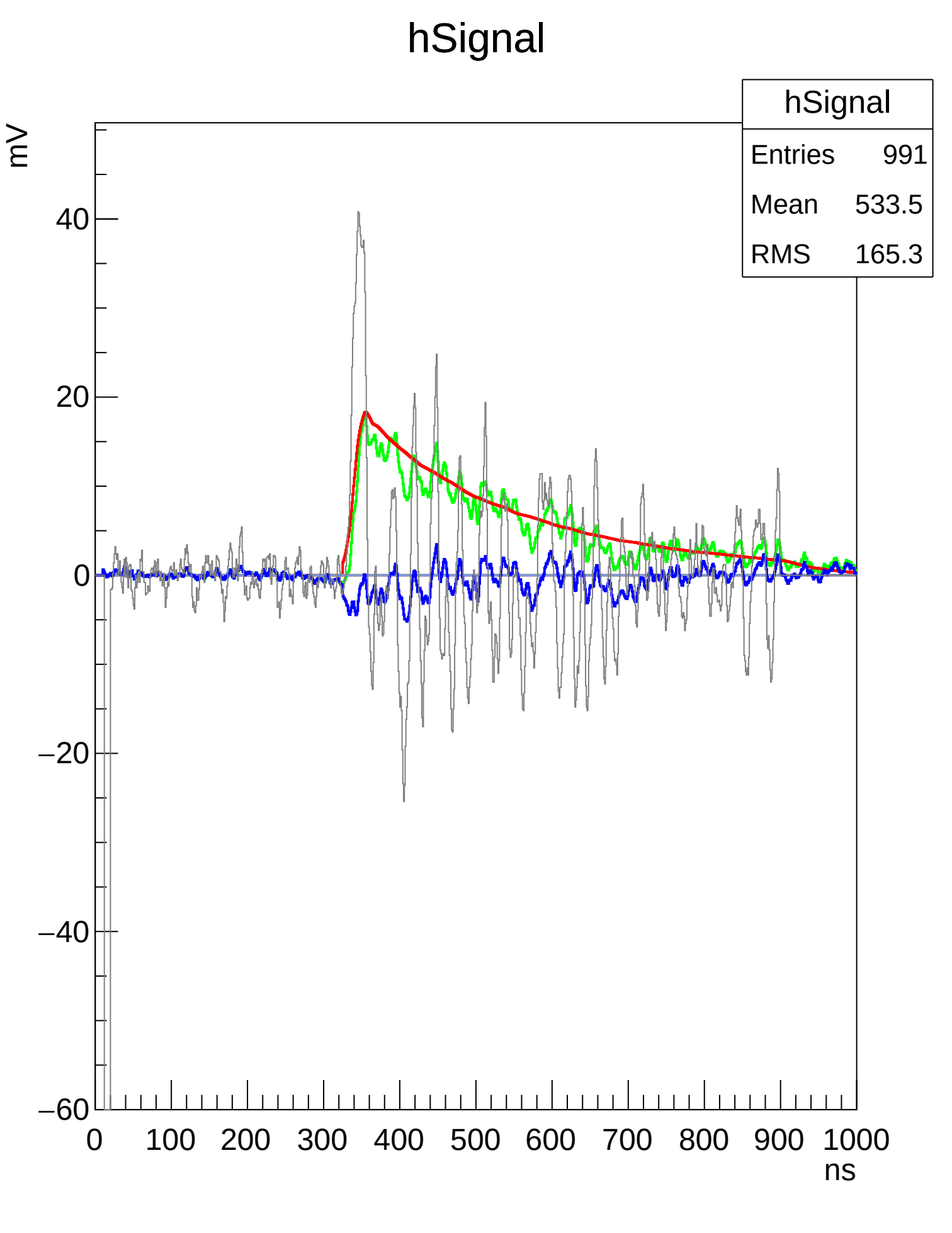
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.8
RMS 157.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.5
RMS 165.3
mV
40
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−20
−40
−60
0
100
200
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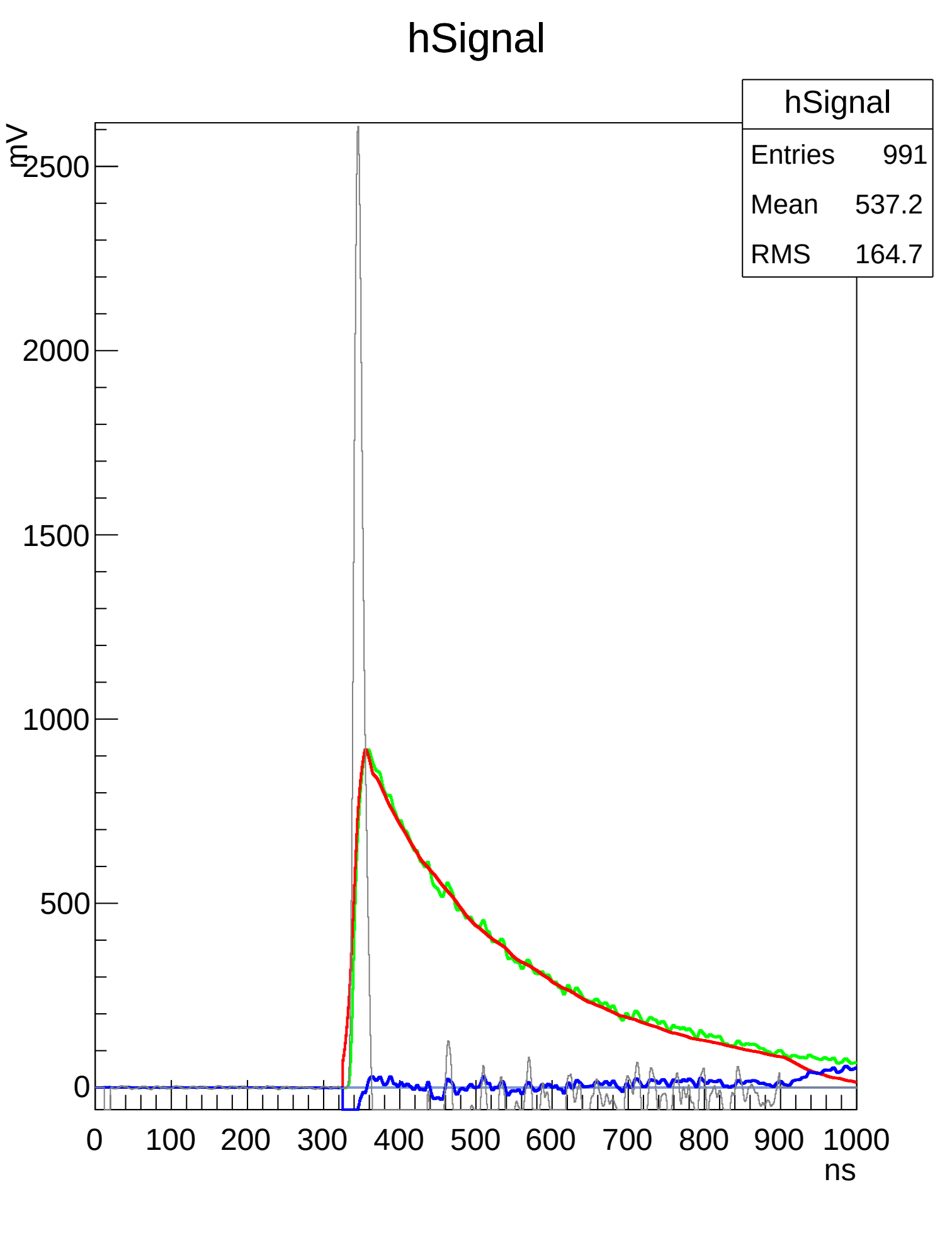
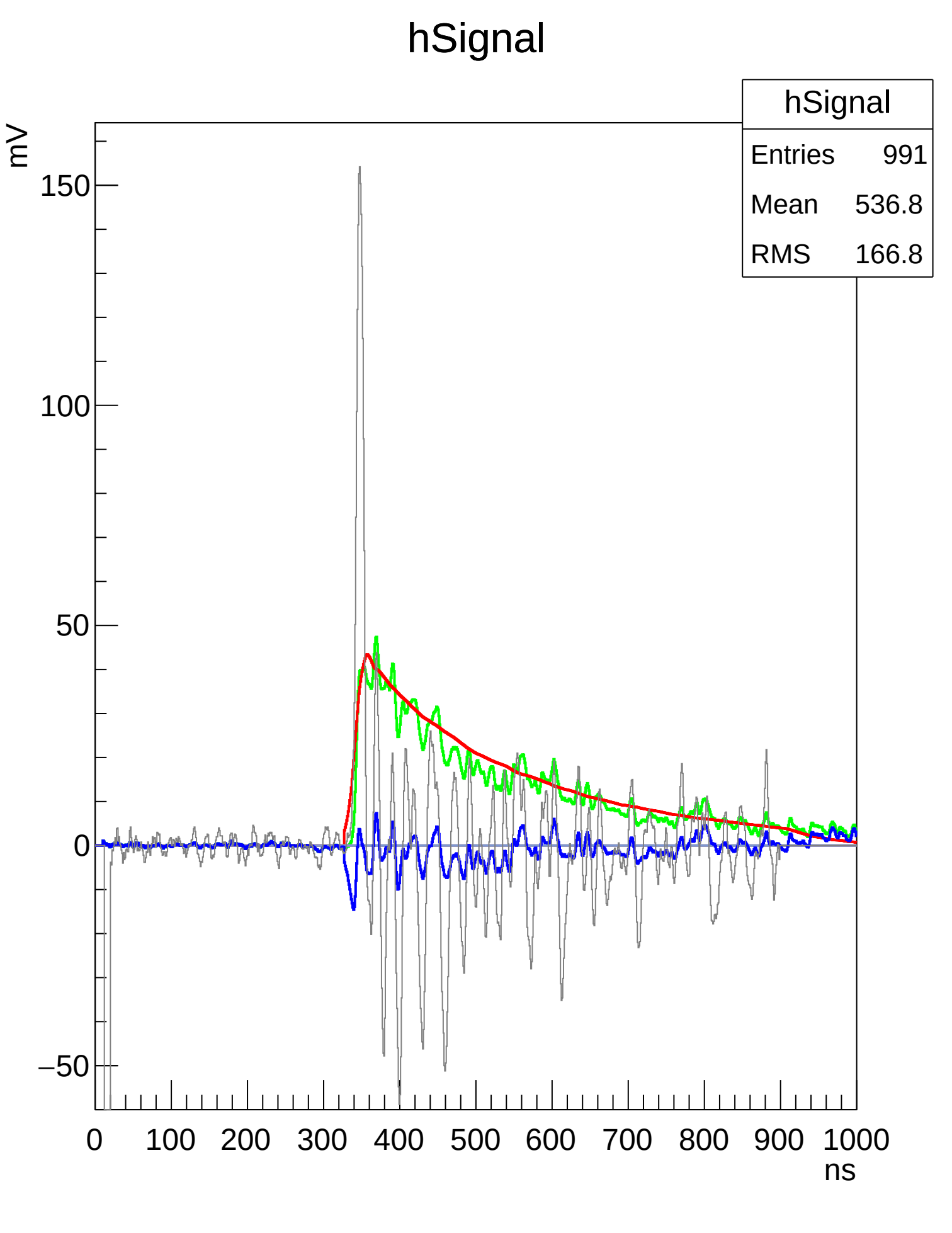
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.2
RMS 164.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.8
RMS 166.8
mV
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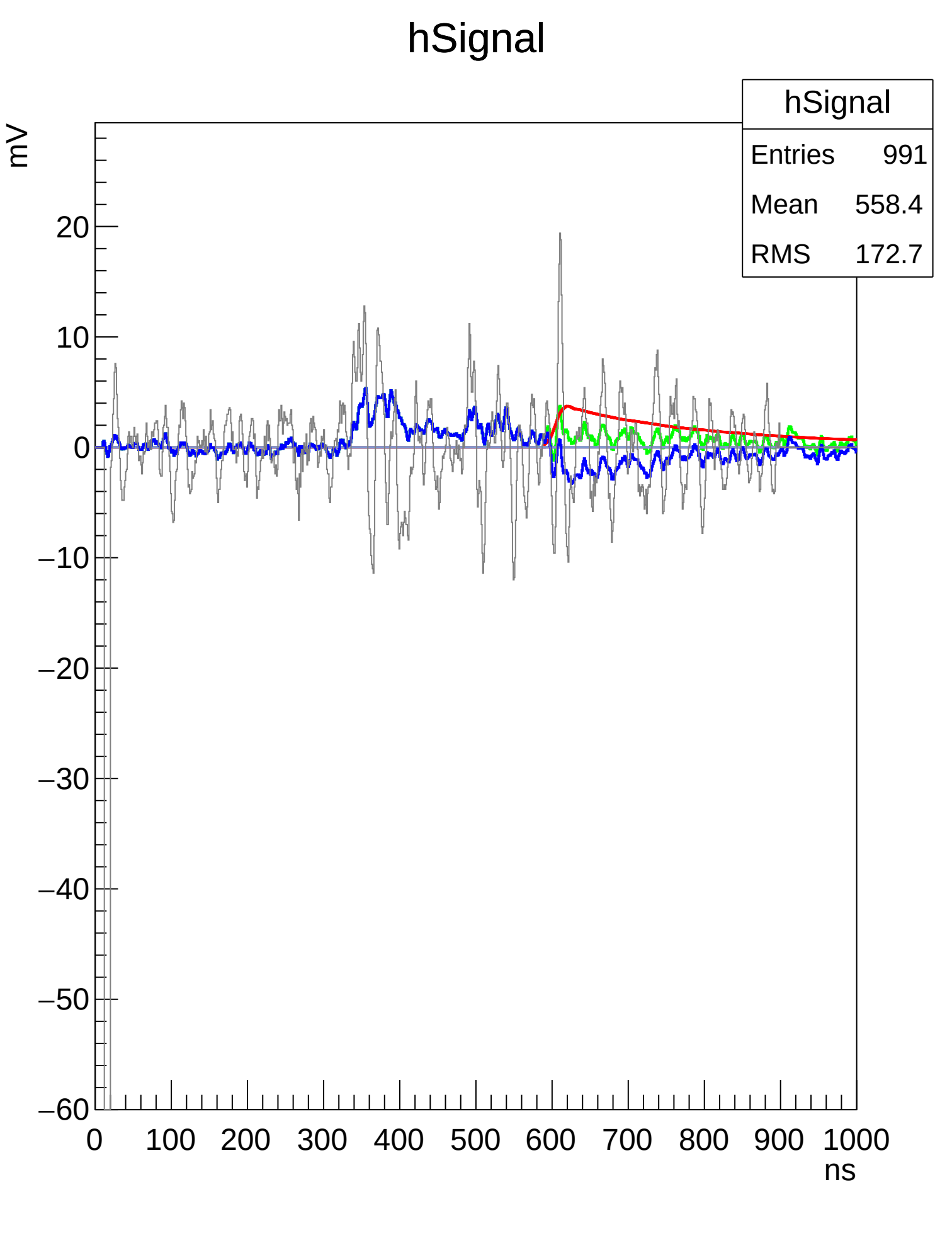
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.4
RMS 172.7
mV
20
10
0
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−40
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0
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1000
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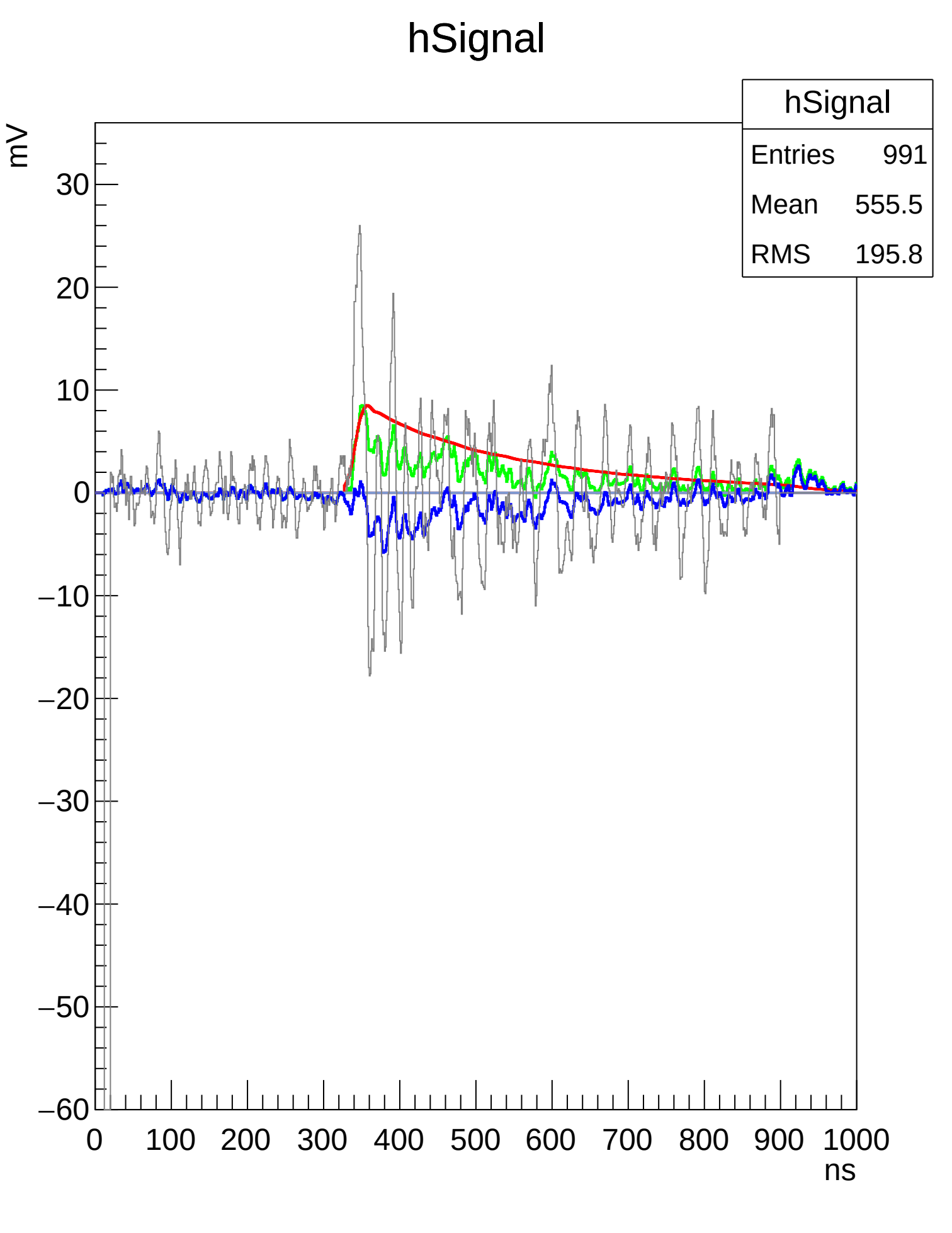
hSignal
hSignal
Entries 991
Mean 555.5
RMS 195.8
mV
30
20
10
0
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−40
−50
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0
100
200
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400
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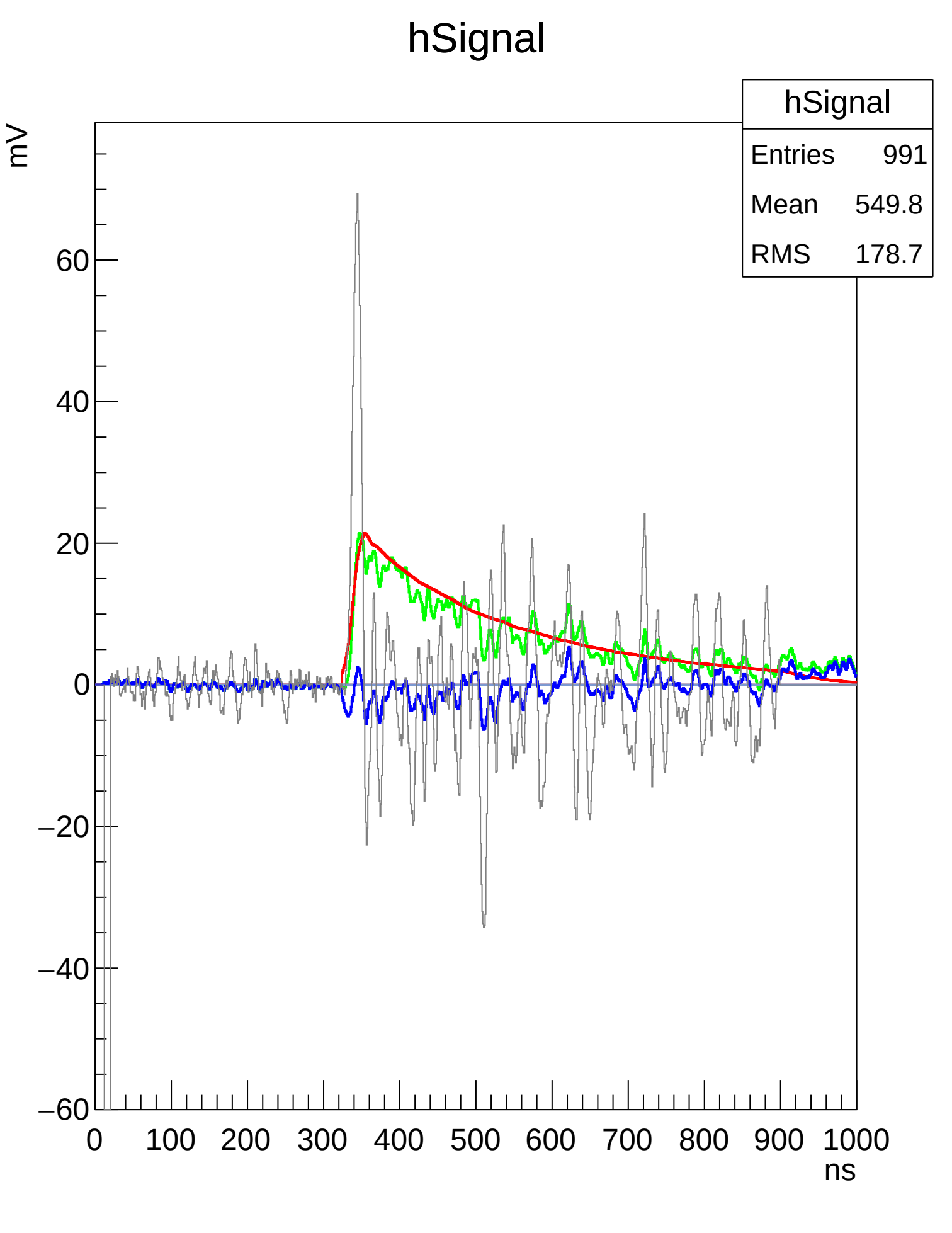
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.8
RMS 178.7
mV
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−20
−40
−60
0
100
200
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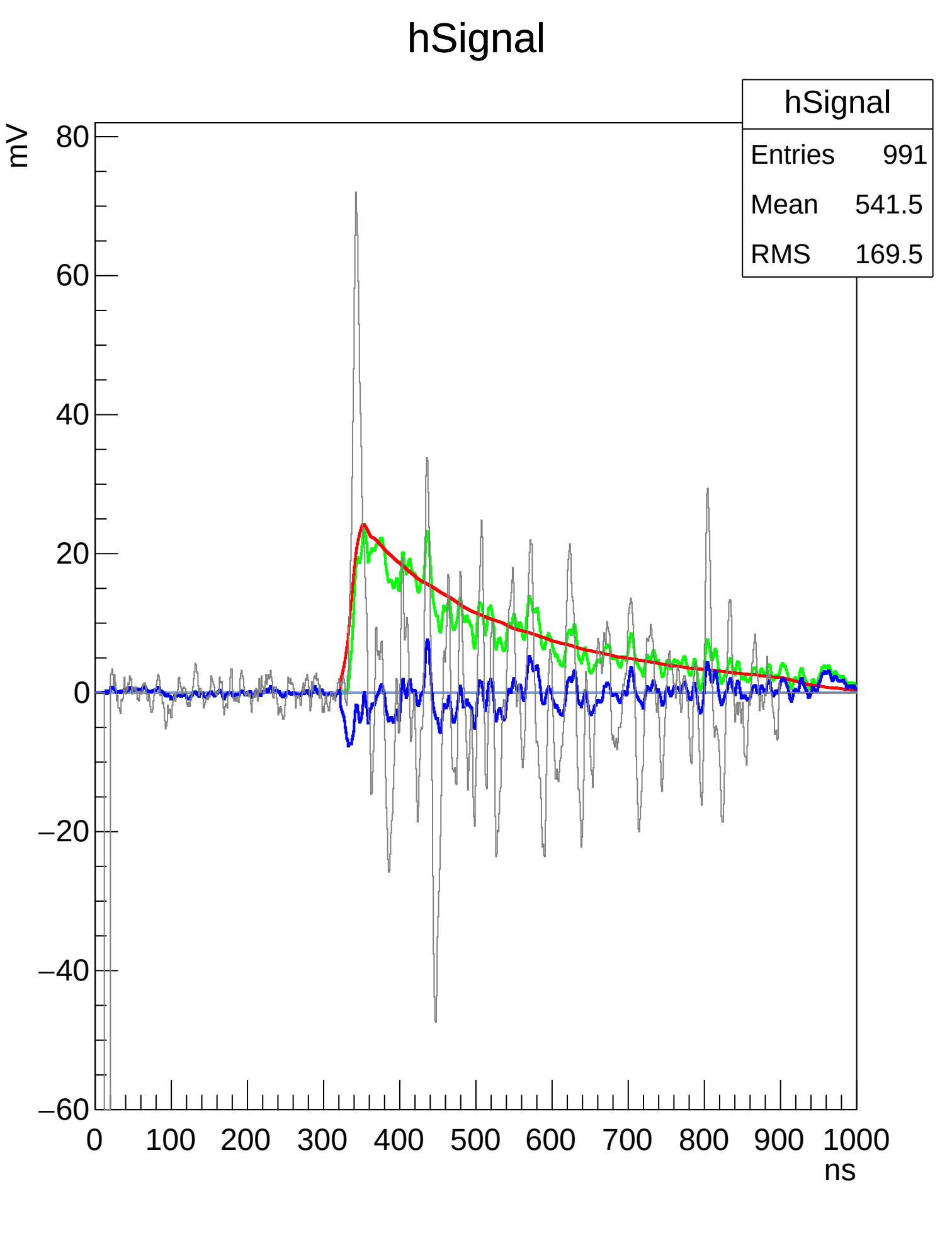
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.5
RMS 169.5
mV
80
60
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−20
−40
−60
0
100
200
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400
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600
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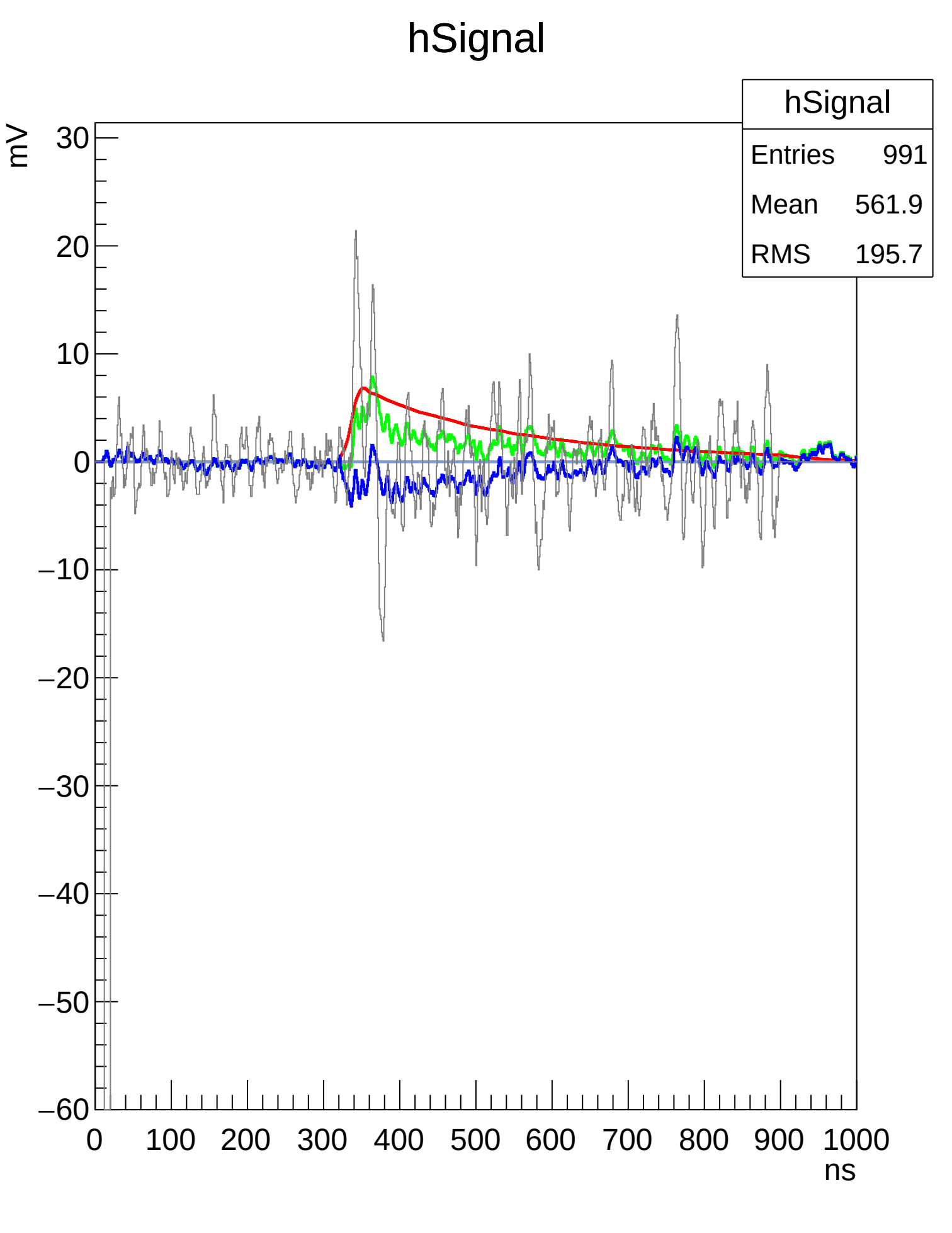
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.9
RMS 195.7
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
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400
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600
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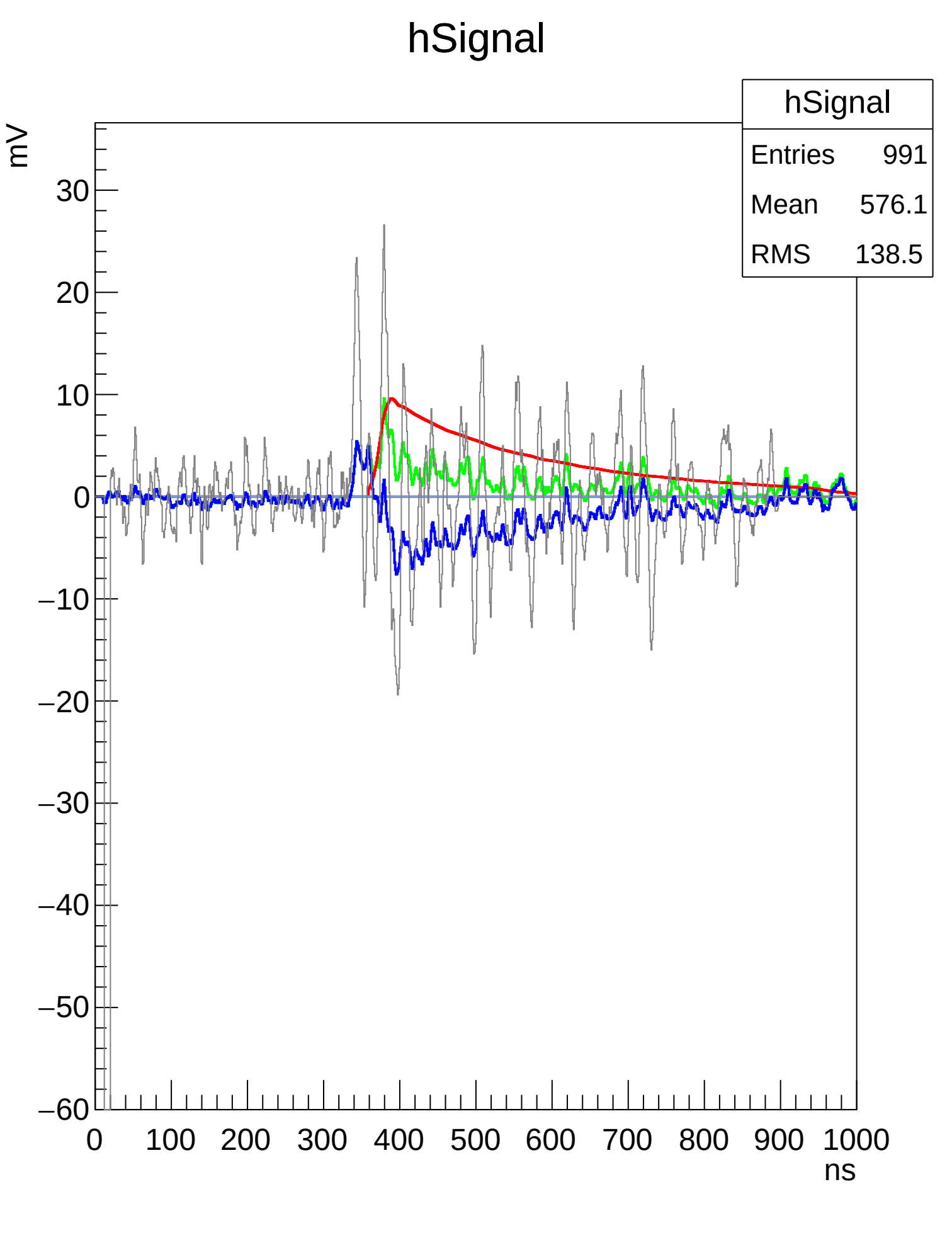
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.1
RMS 138.5
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
500
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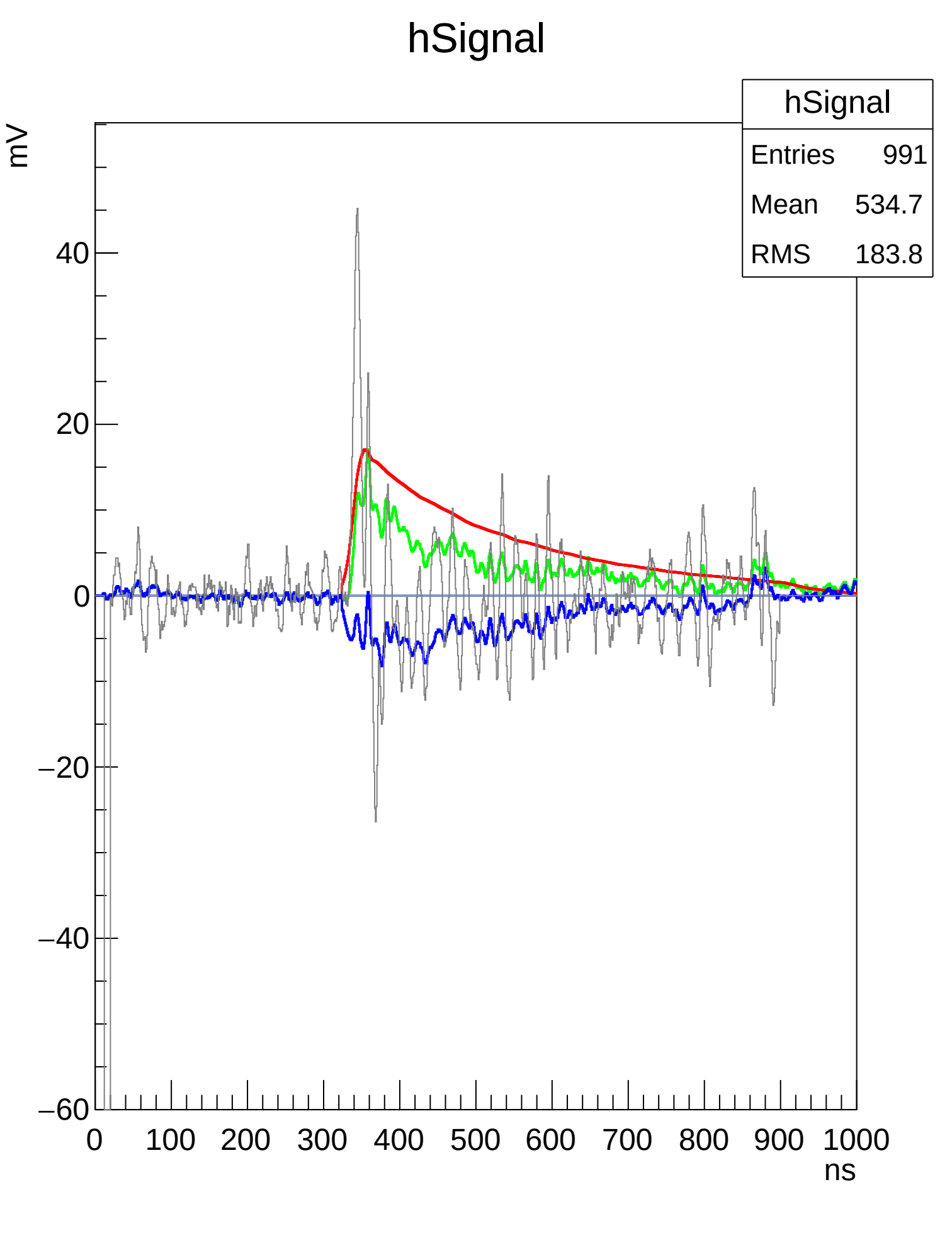
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.7
RMS 183.8
mV
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20
0
−20
−40
−60
0
100
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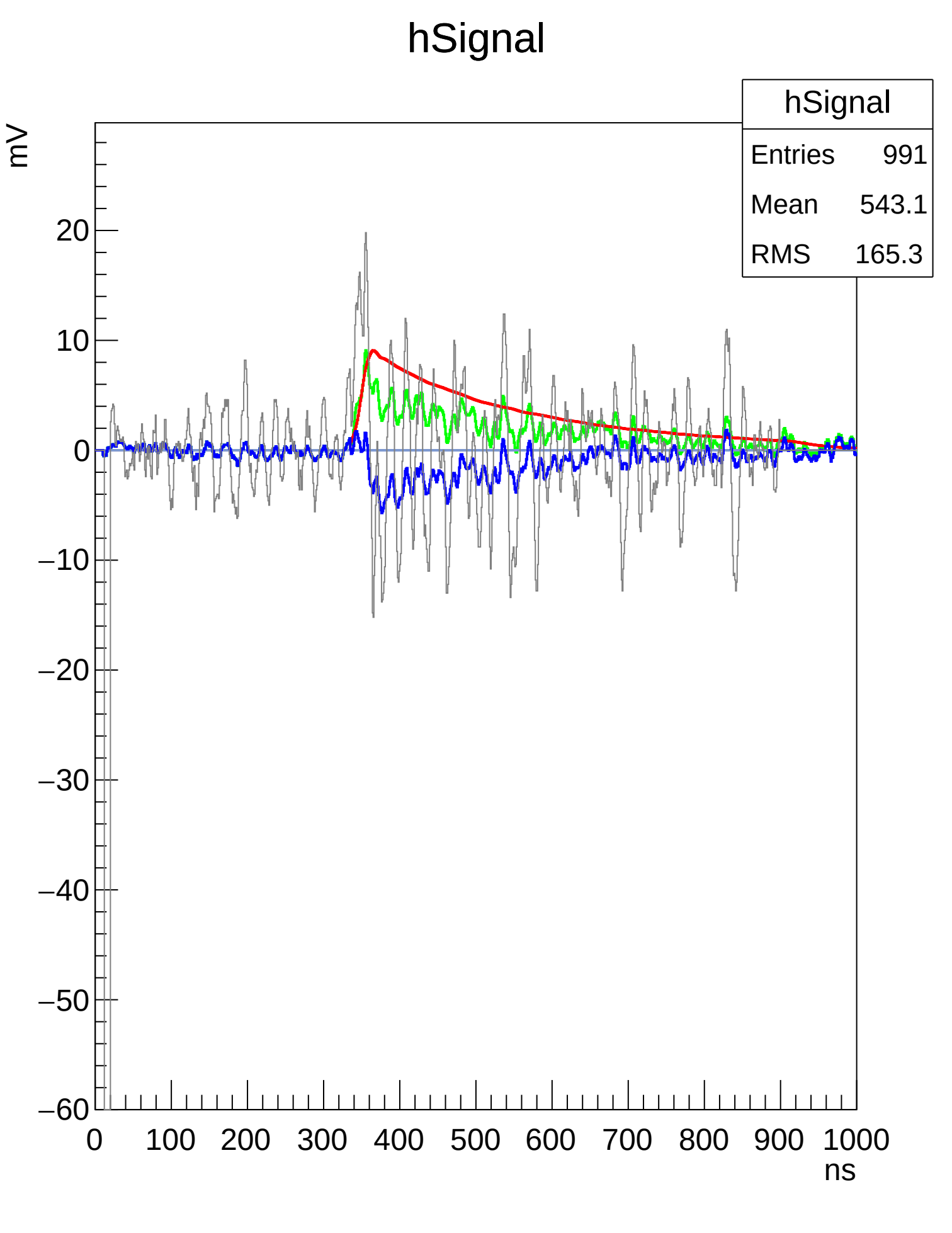
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.1
RMS 165.3
mV
20
10
0
−10
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−40
−50
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0
100
200
300
400
500
600
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800
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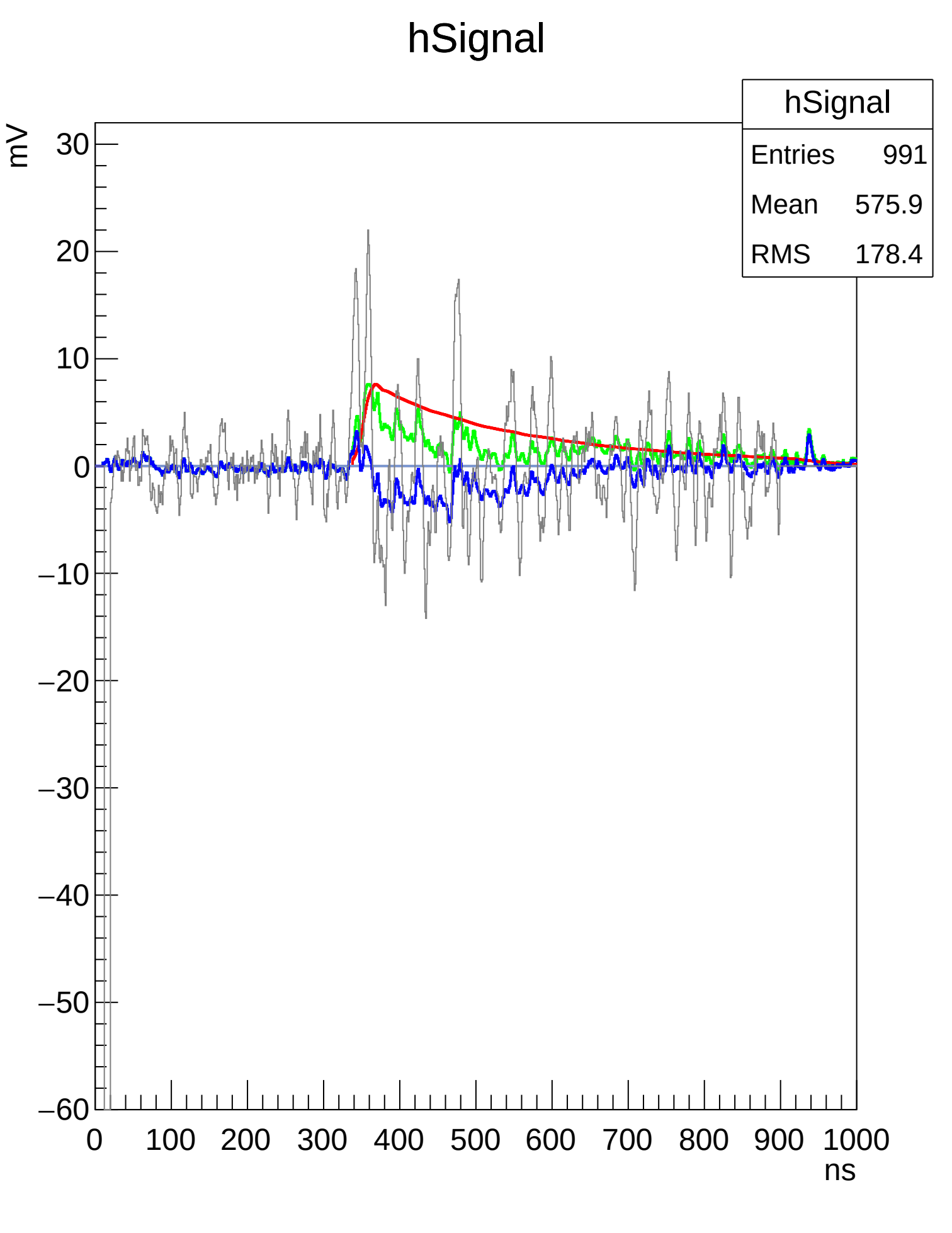
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 178.4
mV
30
20
10
0
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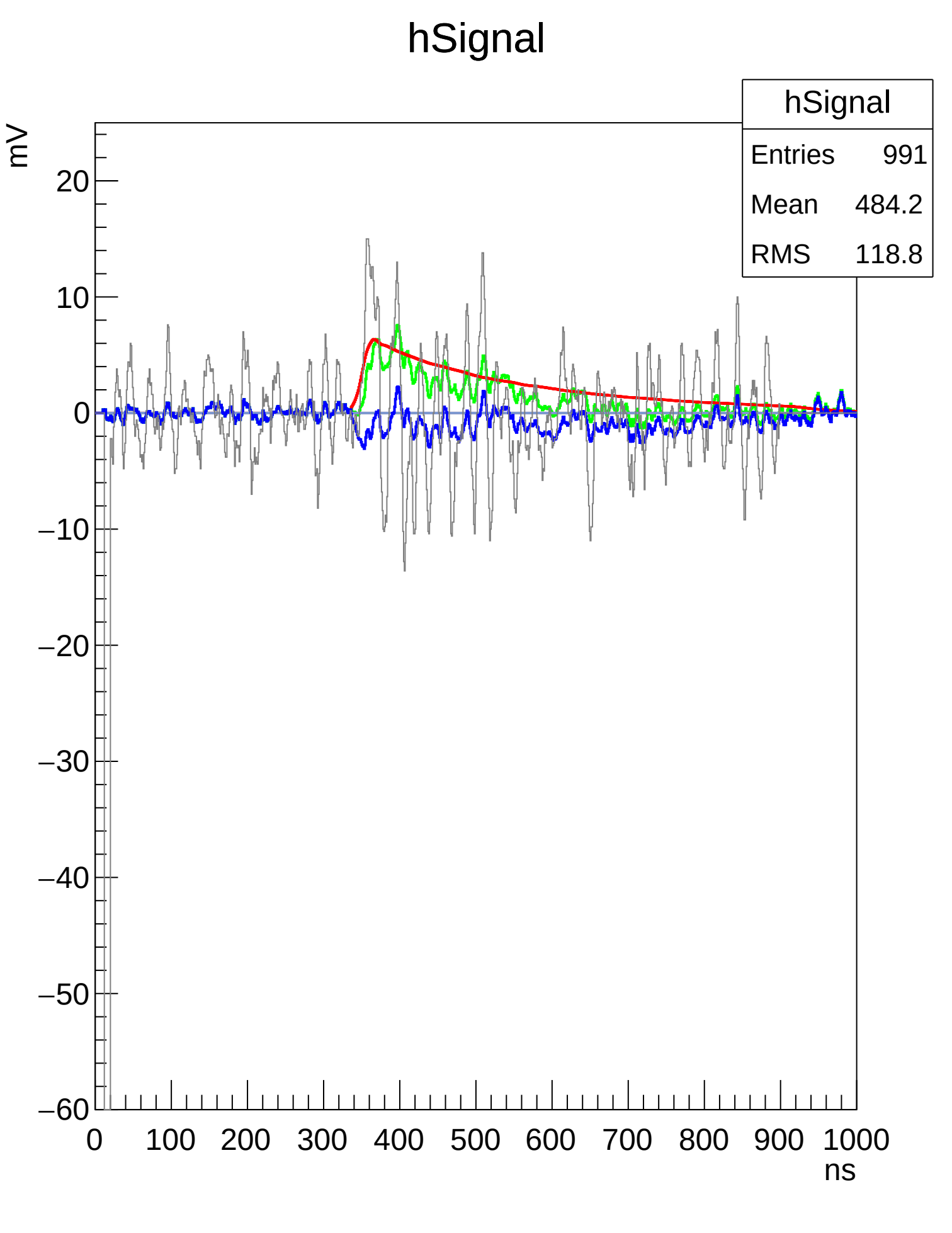
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 484.2
RMS 118.8
mV
20
10
0
−10
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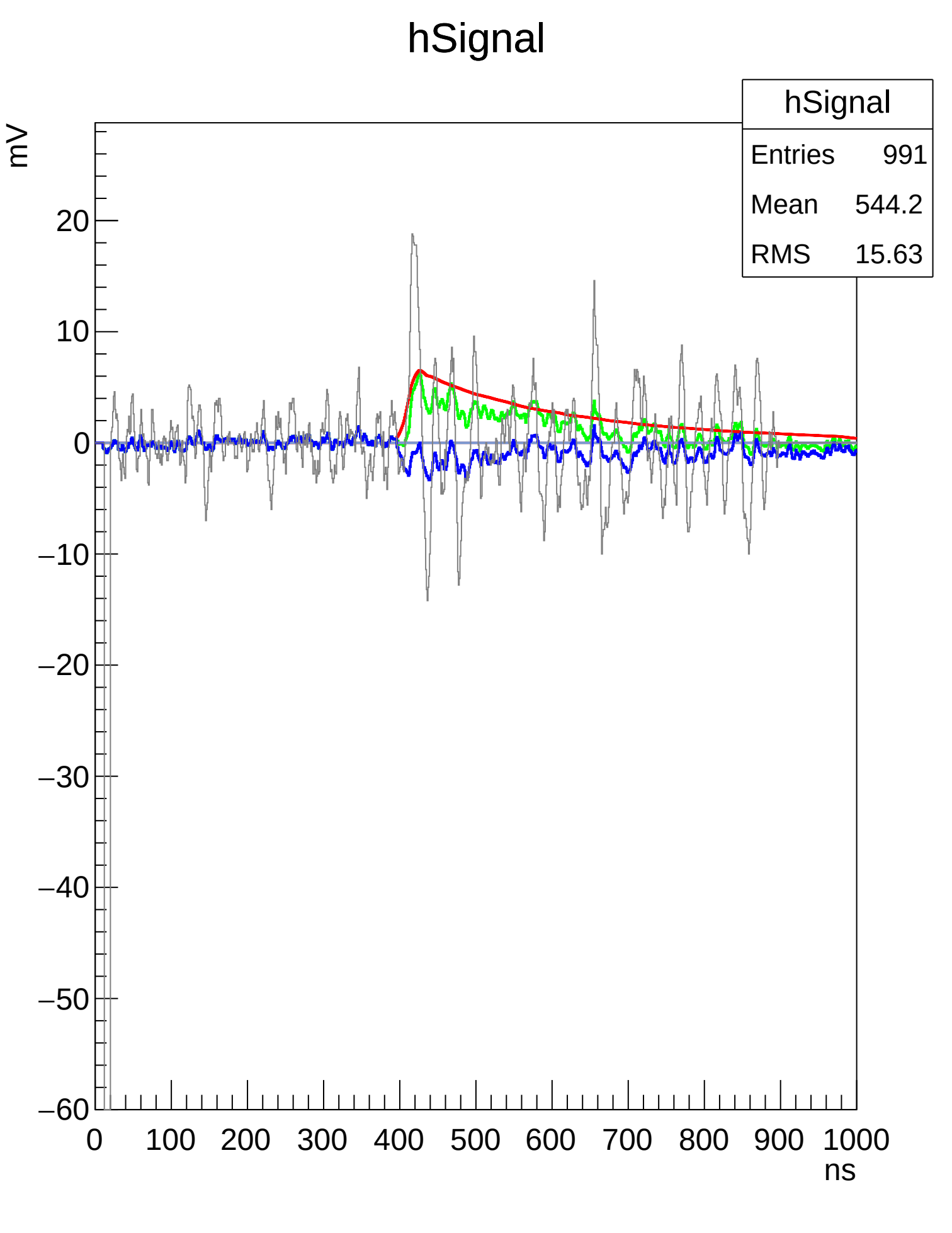
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.2
RMS 15.63
mV
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10
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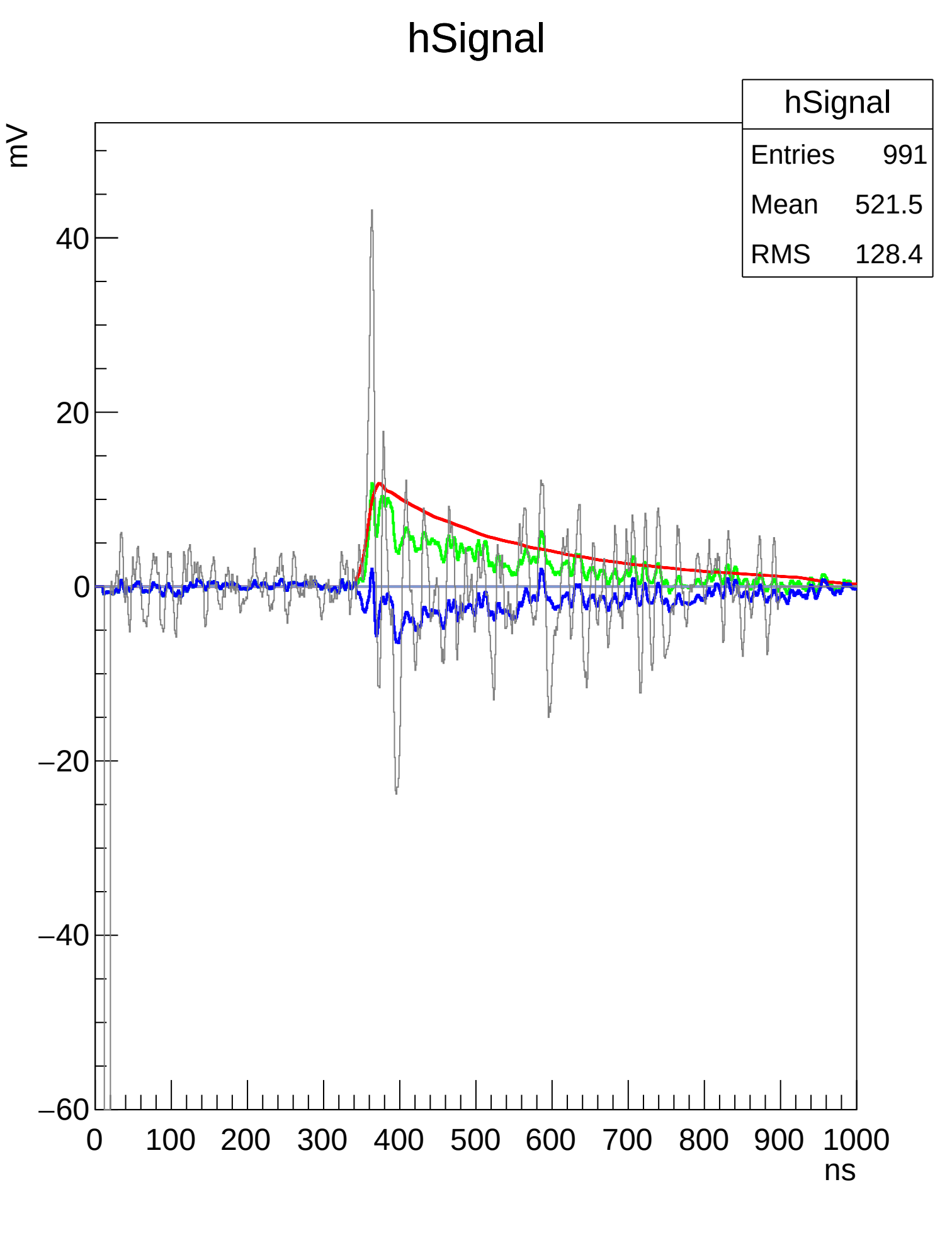
1000
ns


hSignal
hSignal
Entries 991
Mean 521.5
RMS 128.4
mV
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0
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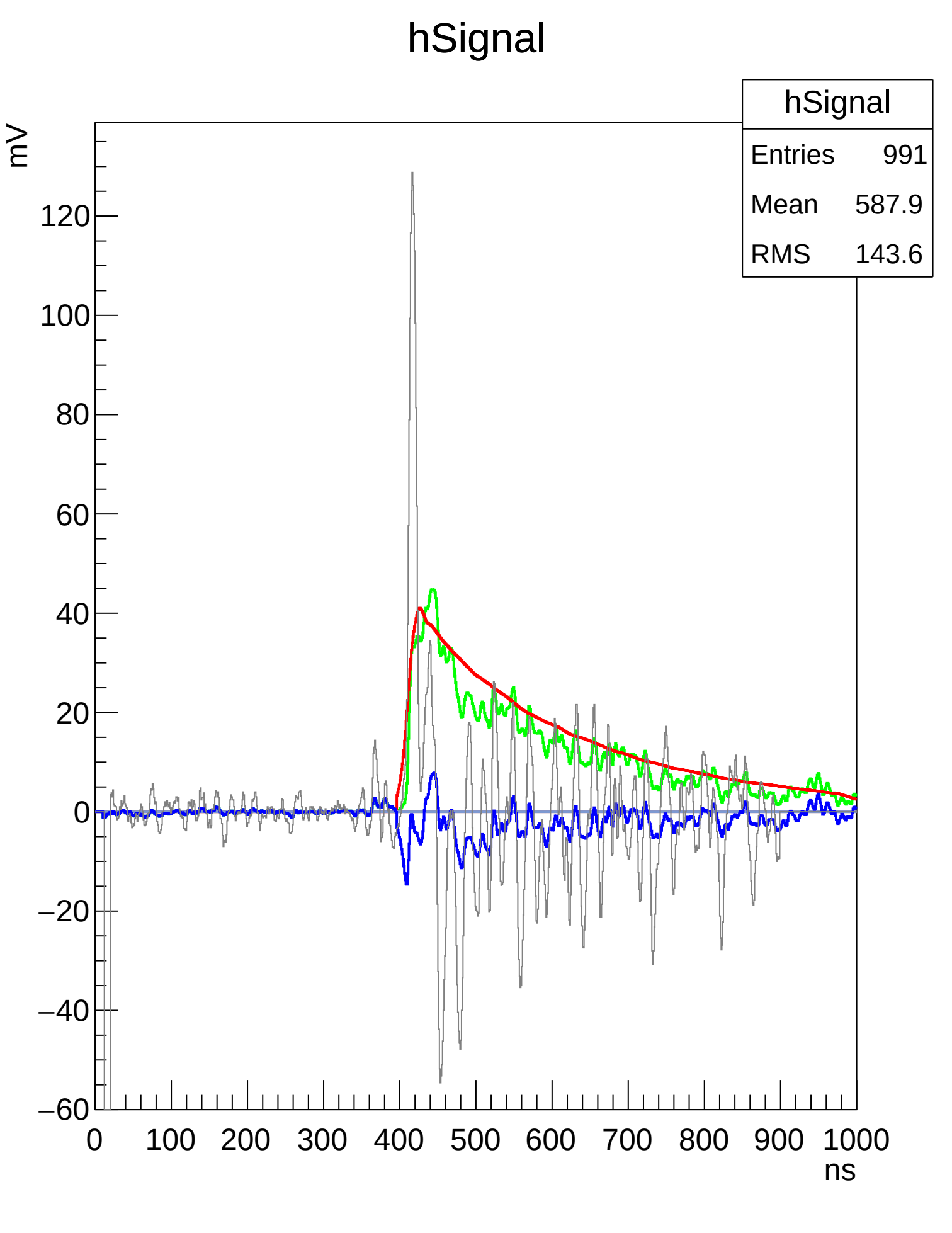
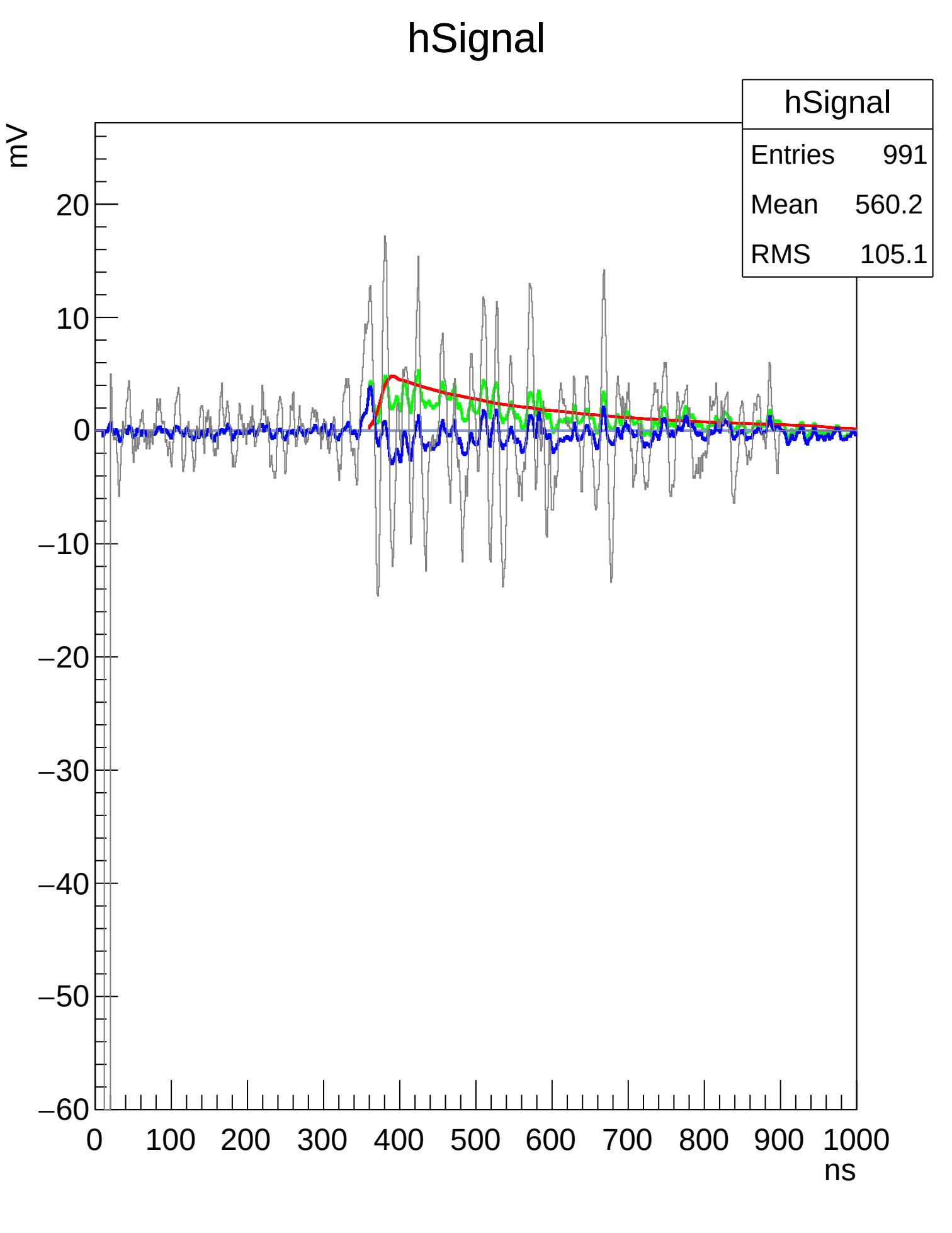
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.9
RMS 143.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.2
RMS 105.1
mV
20
10
0
−10
−20
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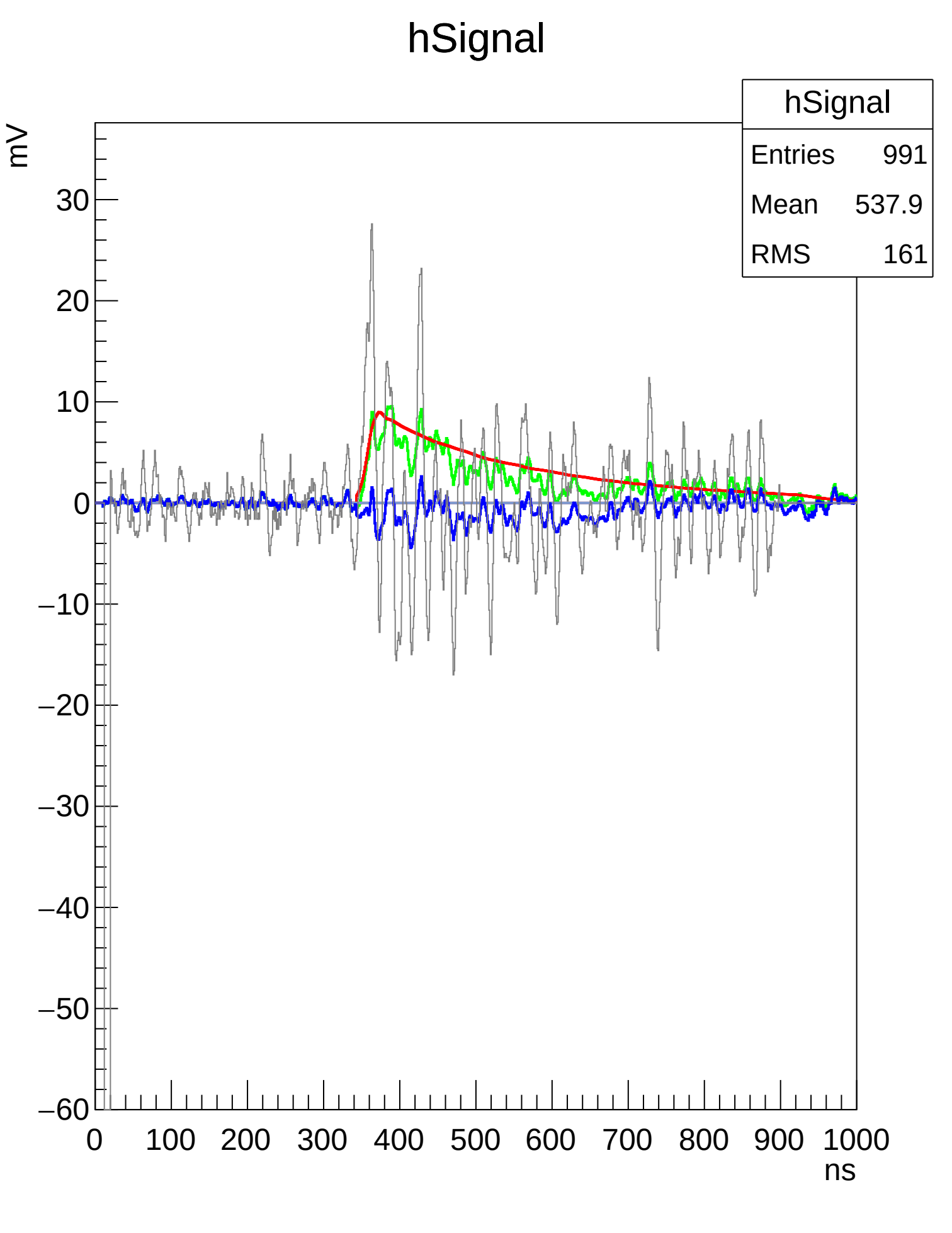
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.9
RMS 161
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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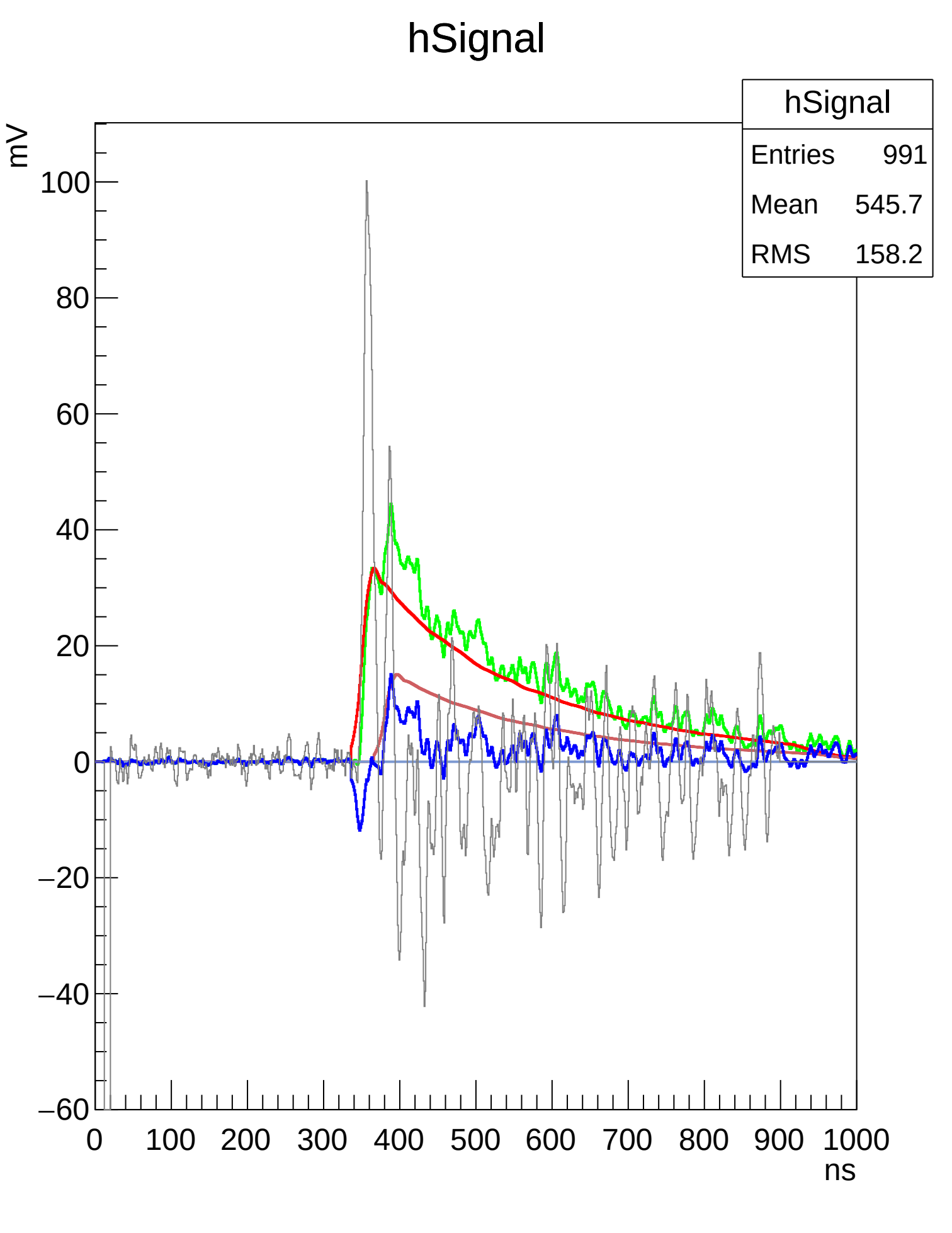
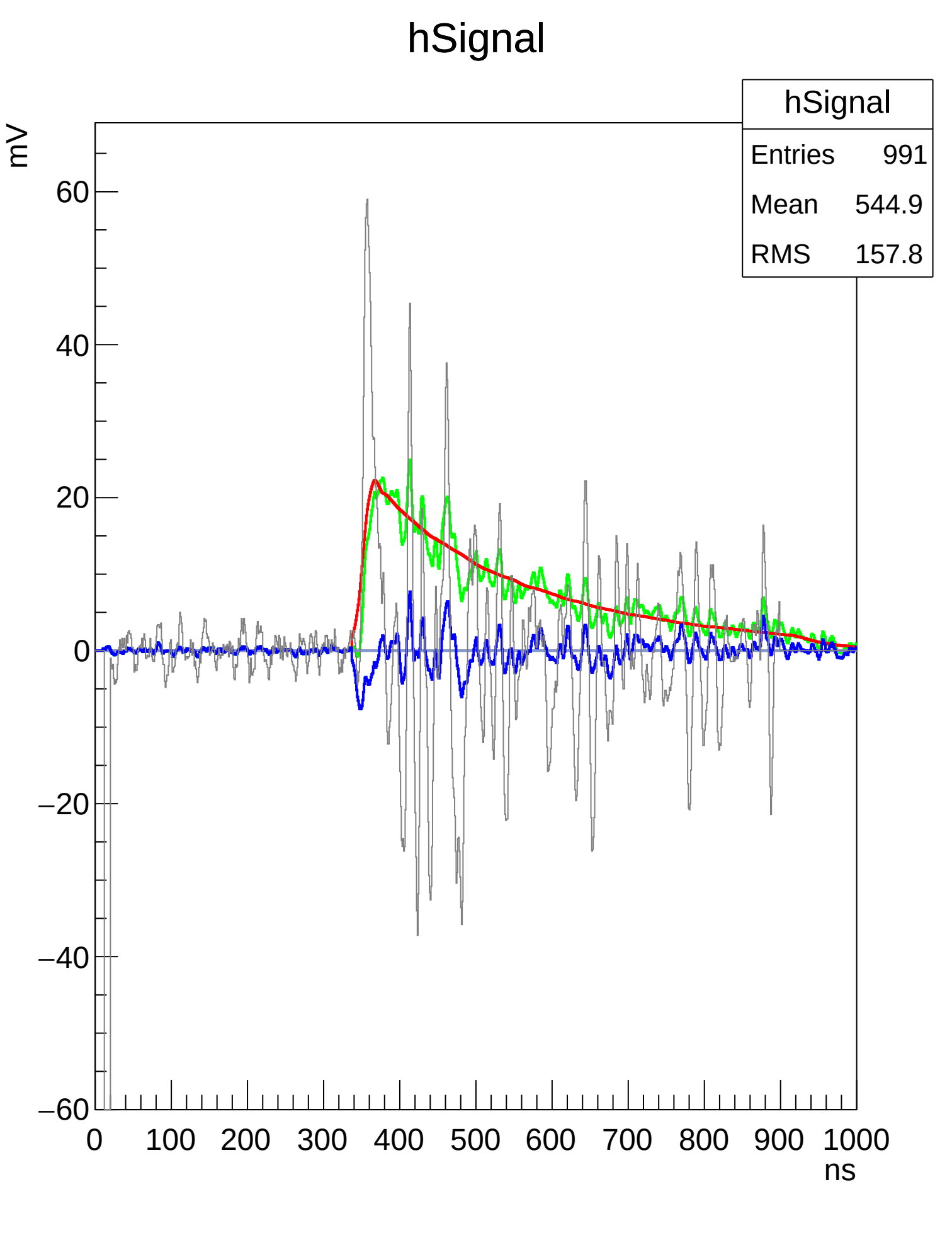
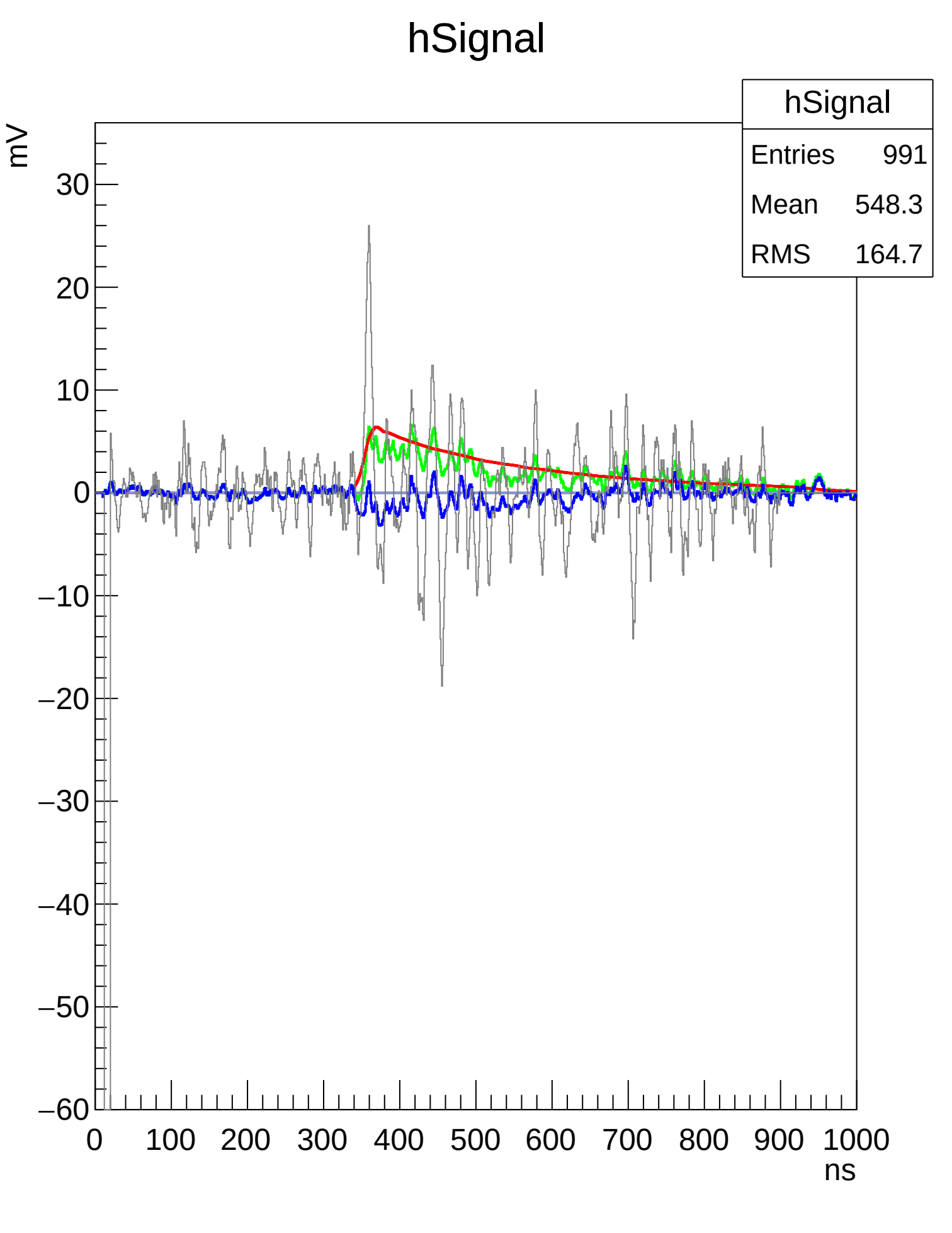
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.7
RMS 158.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.9
RMS 157.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.3
RMS 164.7
mV
30
20
10
0
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−40
−50
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0
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200
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400
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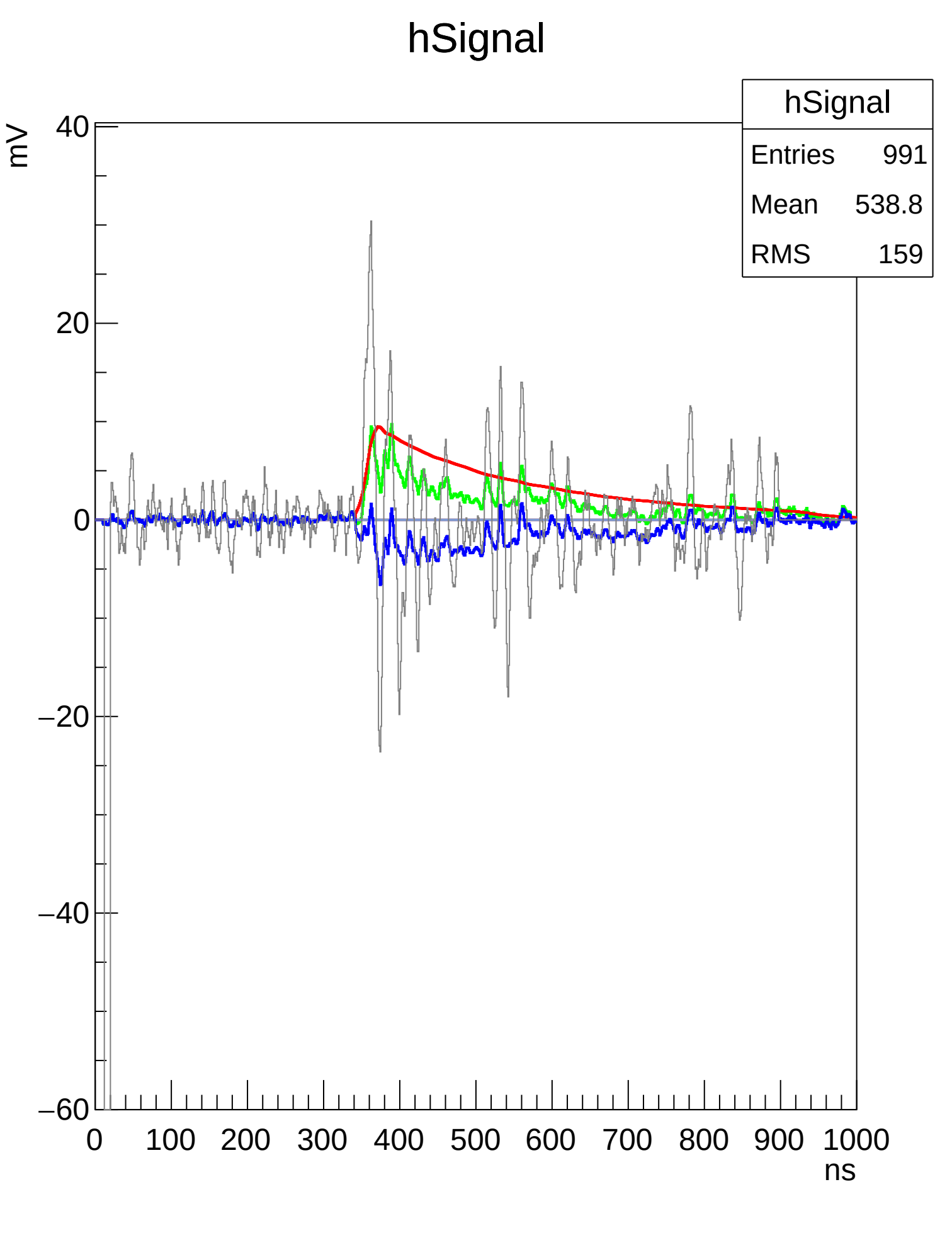
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.8
RMS 159
mV
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−20
−40
−60
0
100
200
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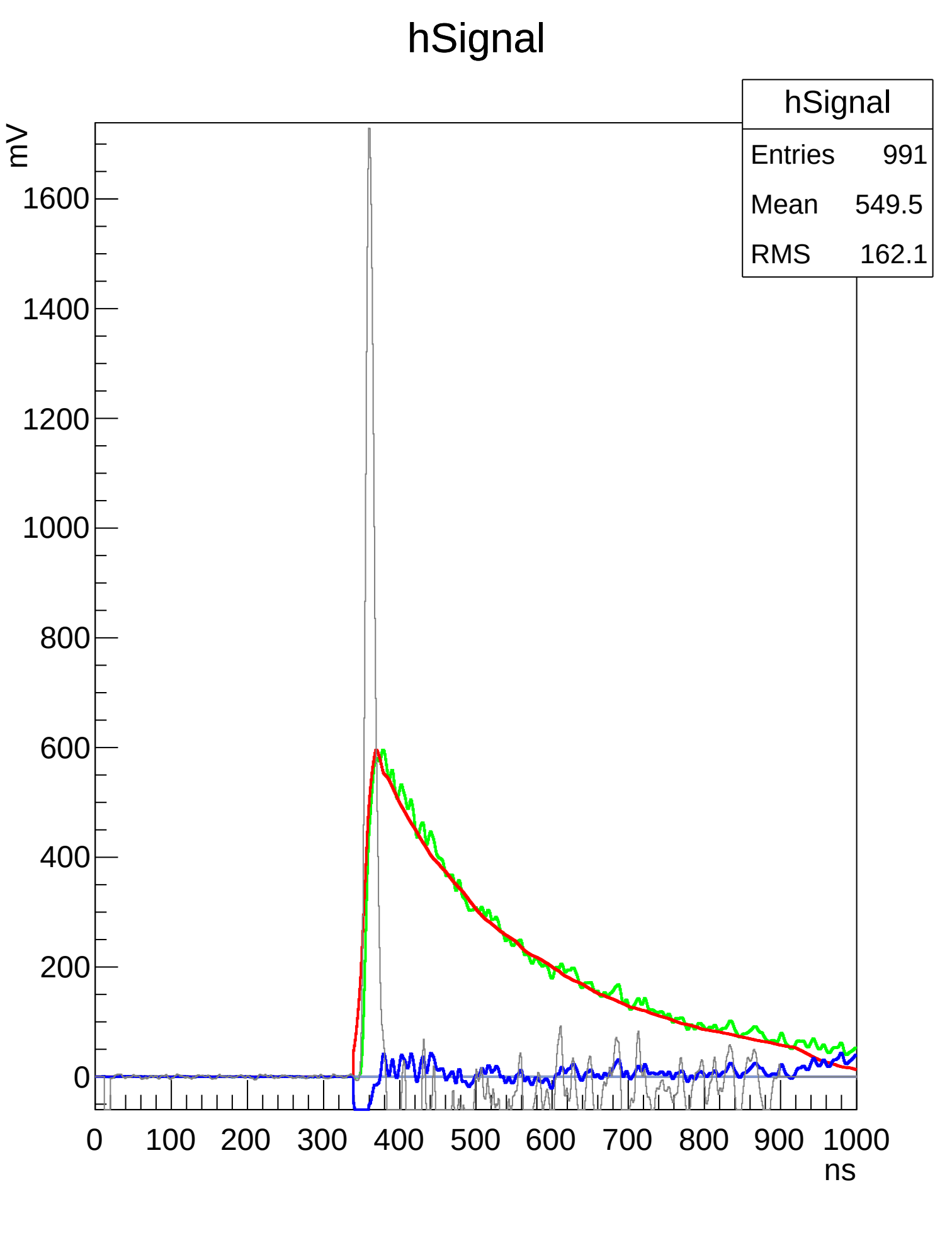
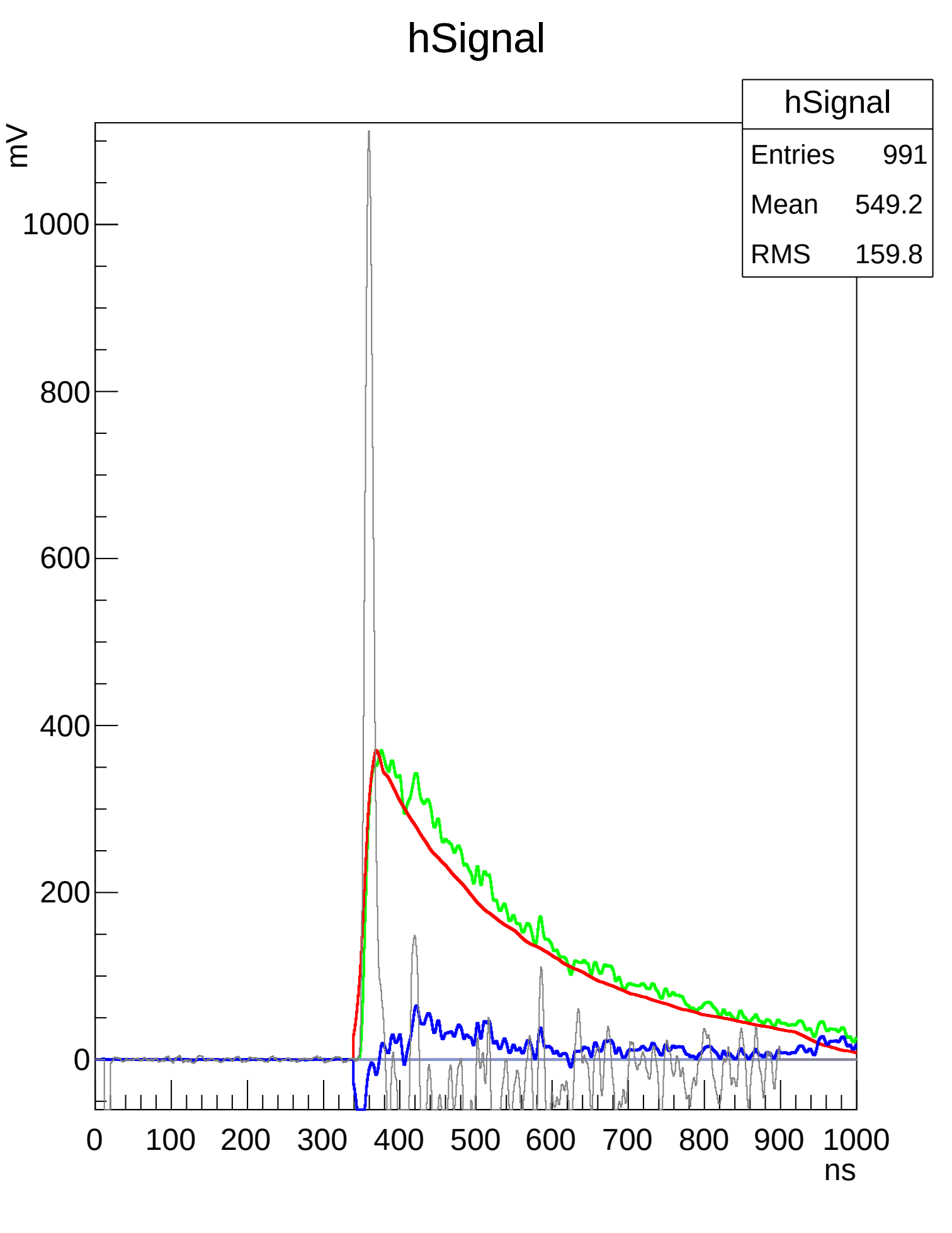
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.5
RMS 162.1
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 549.2
RMS 159.8
mV
1000
800
600
400
200
0
0
100
200
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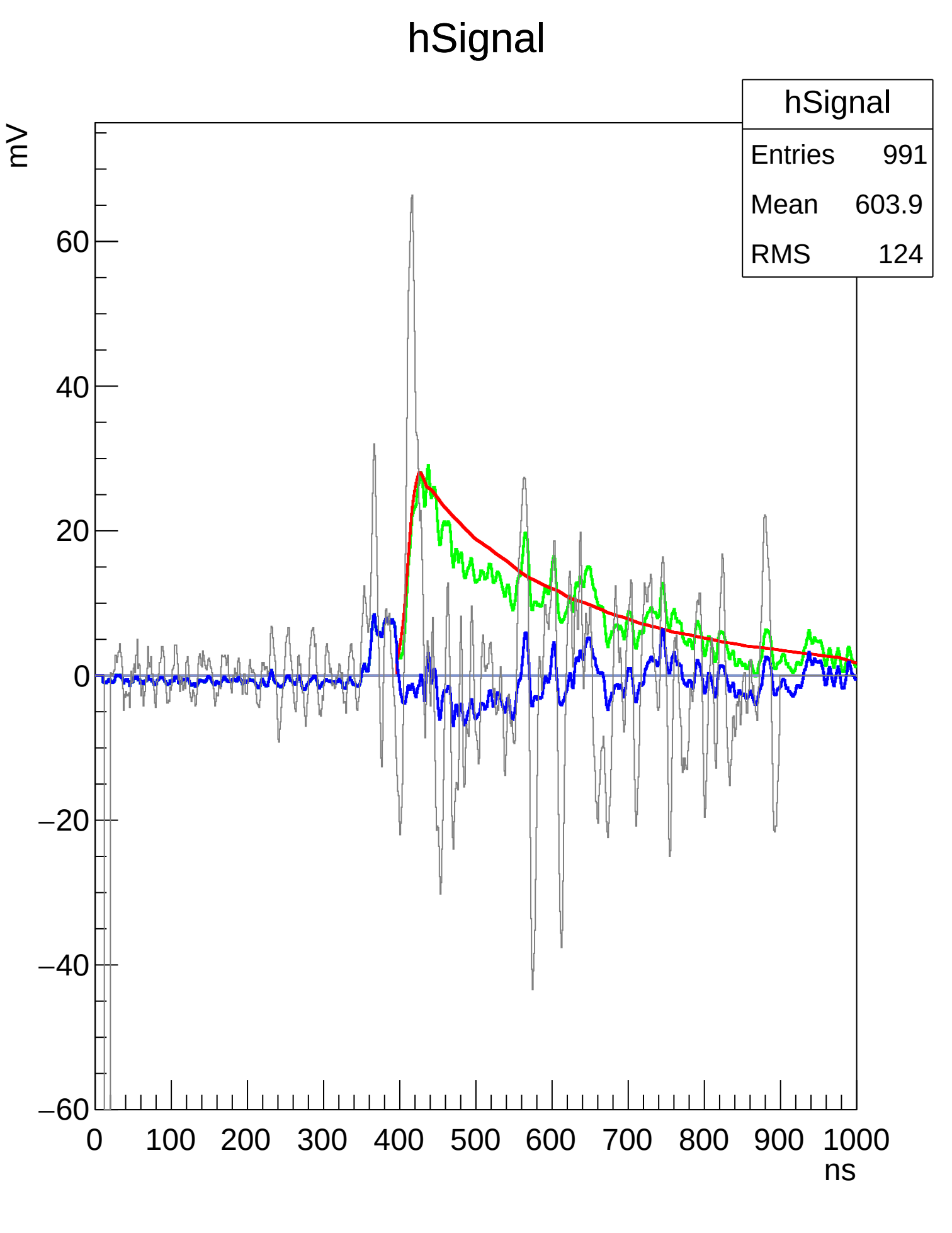
400
500
600
700
800
900
1000
ns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hSignal
Entries 991
Mean 603.9
RMS 124
mV
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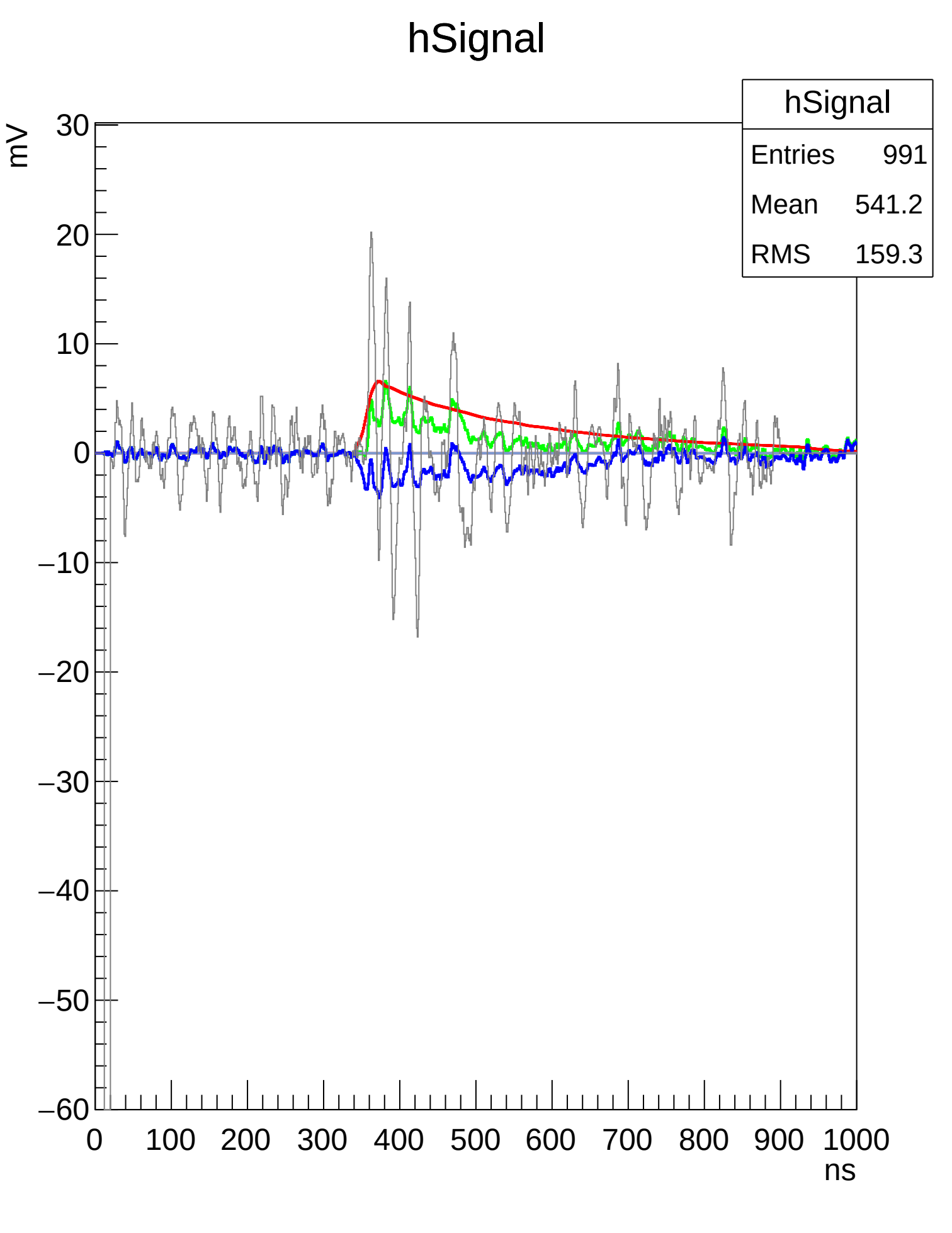
1000
ns


hSignal
hSignal
Entries 991
Mean 541.2
RMS 159.3
mV
30
20
10
0
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0
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200
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400
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800
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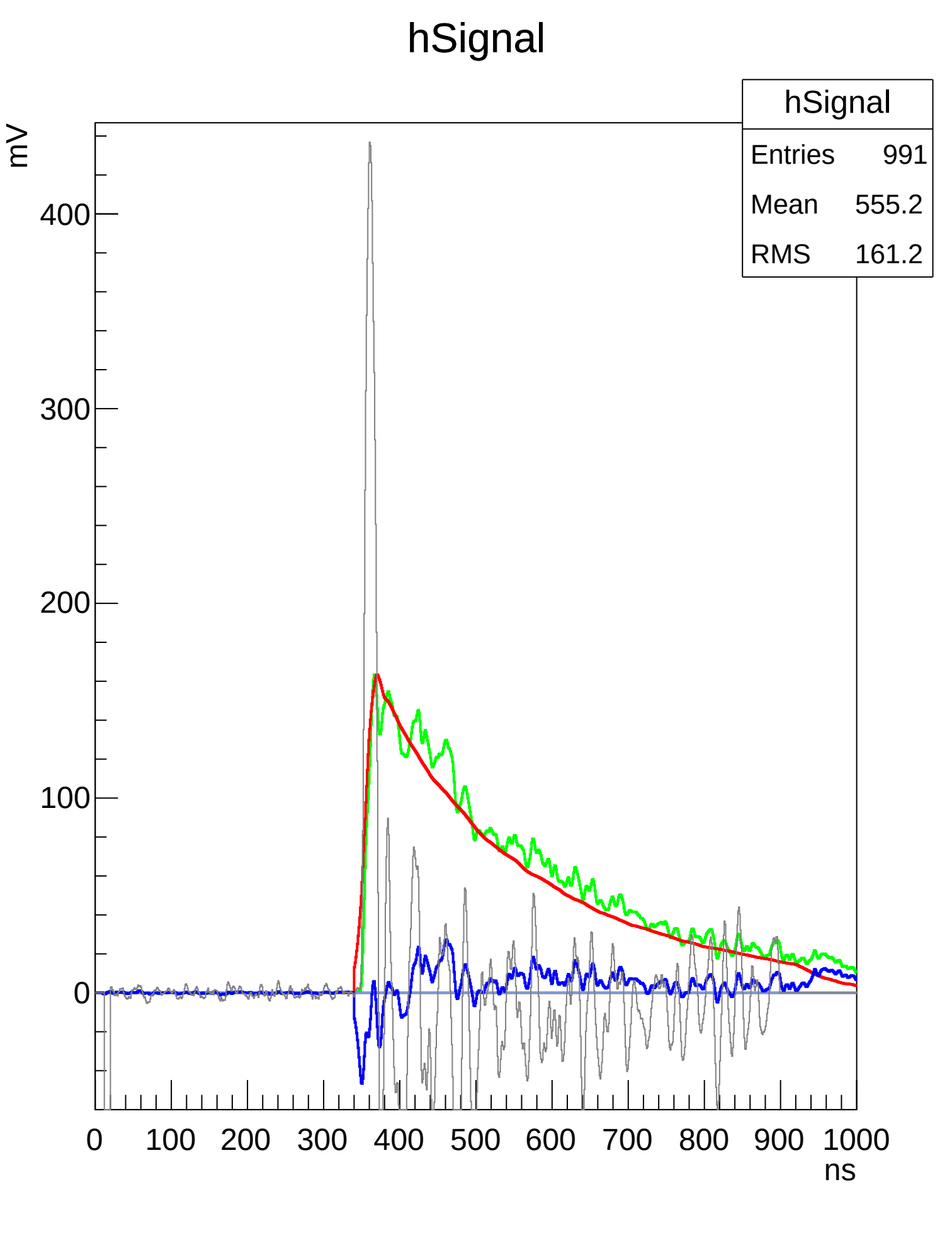
1000
ns


hSignal
hSignal
Entries 991
Mean 555.2
RMS 161.2
mV
400
300
200
100
0
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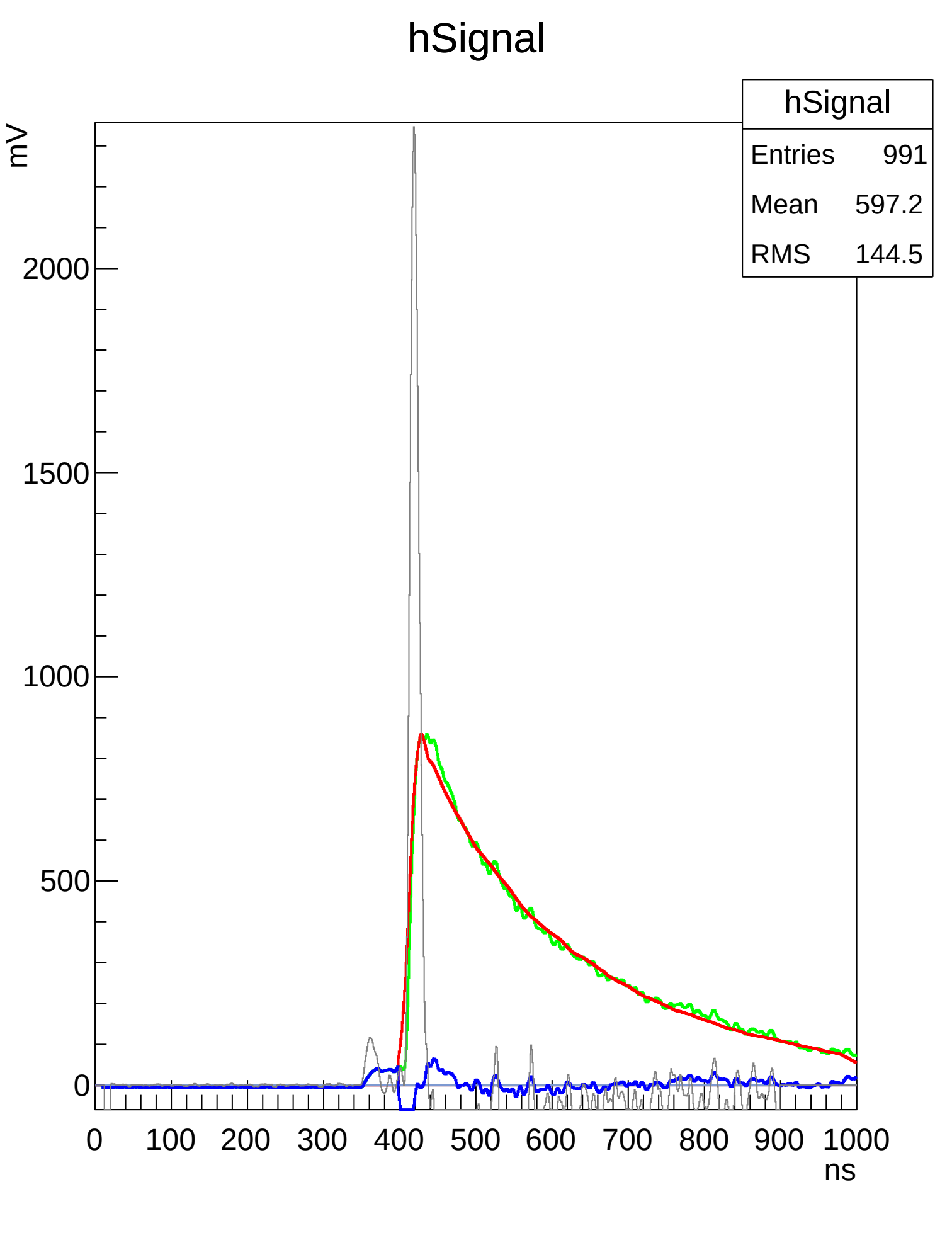
ns


hSignal
hSignal
Entries 991
Mean 597.2
RMS 144.5
mV
2000
1500
1000
500
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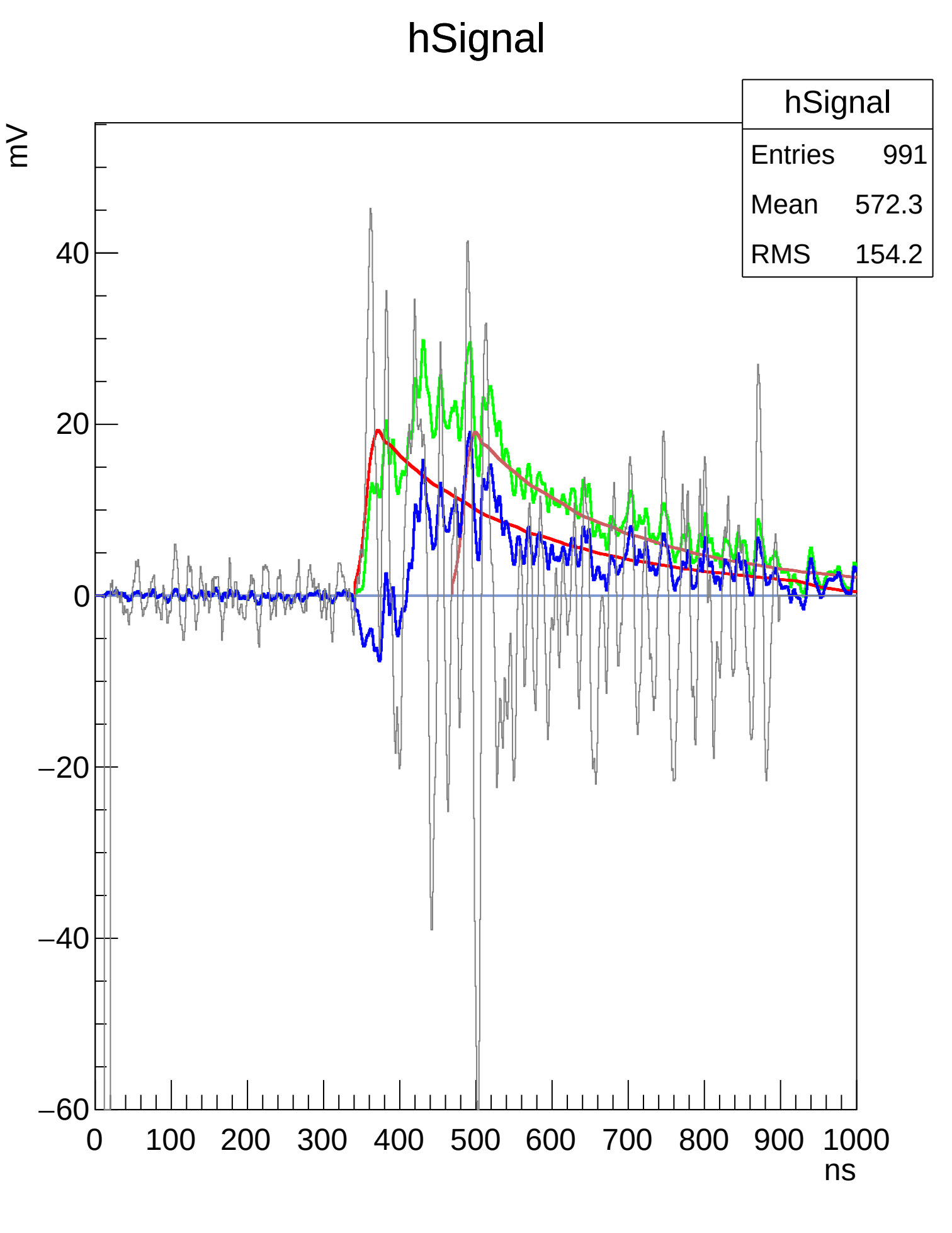
ns


hSignal
hSignal
Entries 991
Mean 572.3
RMS 154.2
mV
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−20
−40
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0
100
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600
700
800
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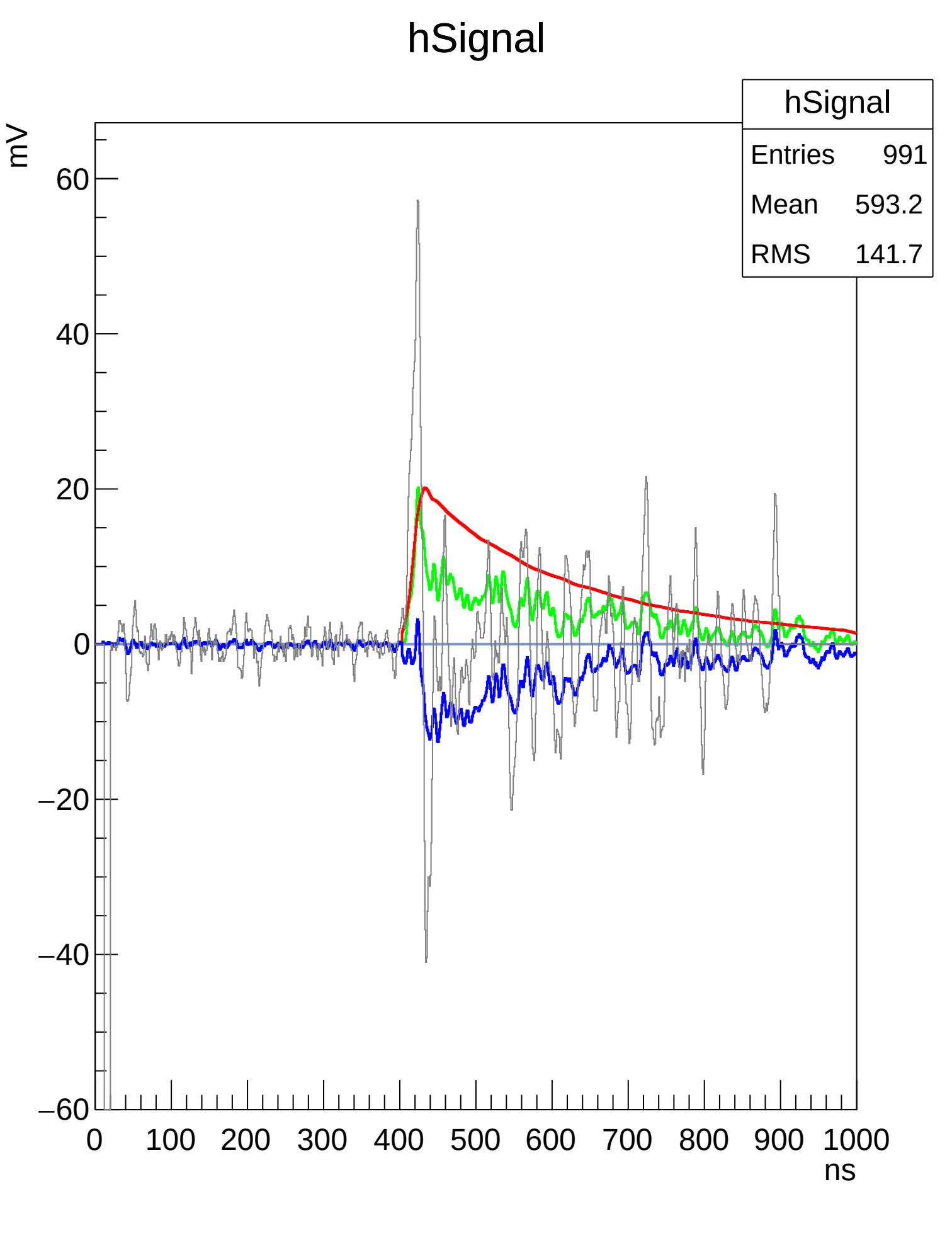
1000
ns


hSignal
hSignal
Entries 991
Mean 593.2
RMS 141.7
mV
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0
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400
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800
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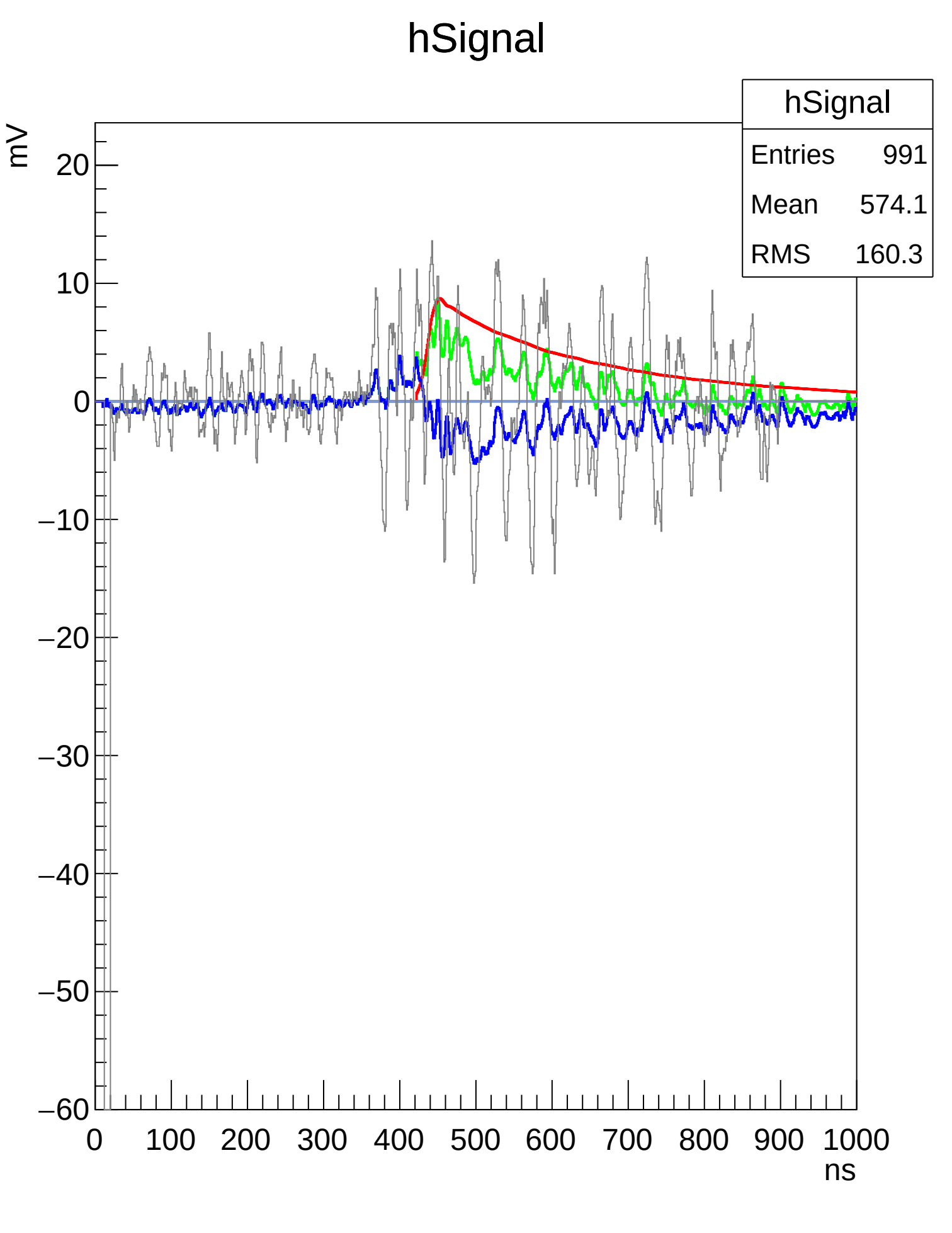
1000
ns


hSignal
hSignal
Entries 991
Mean 574.1
RMS 160.3
mV
20
10
0
−10
−20
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−40
−50
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600
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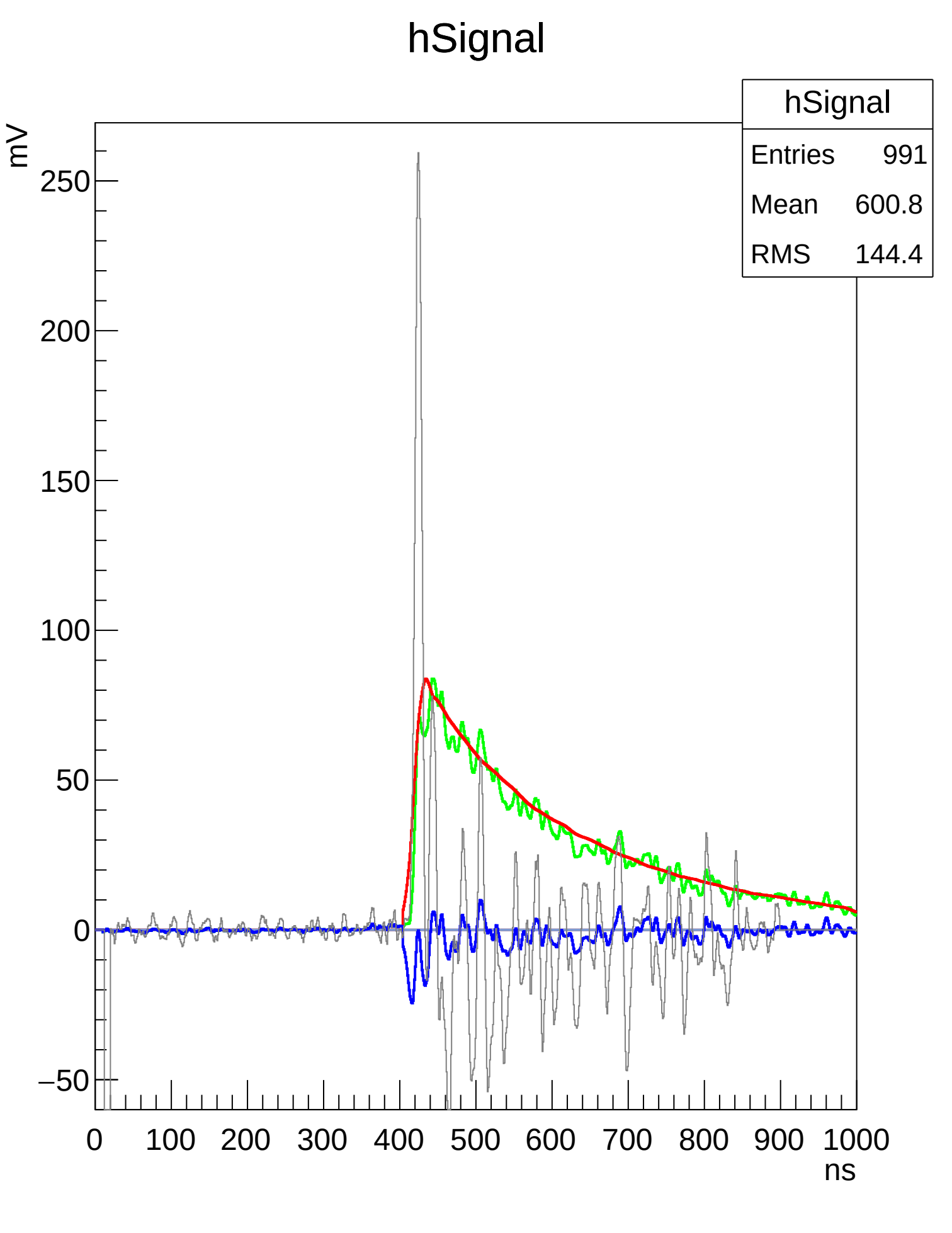
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.8
RMS 144.4
mV
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200
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100
50
0
−50
0
100
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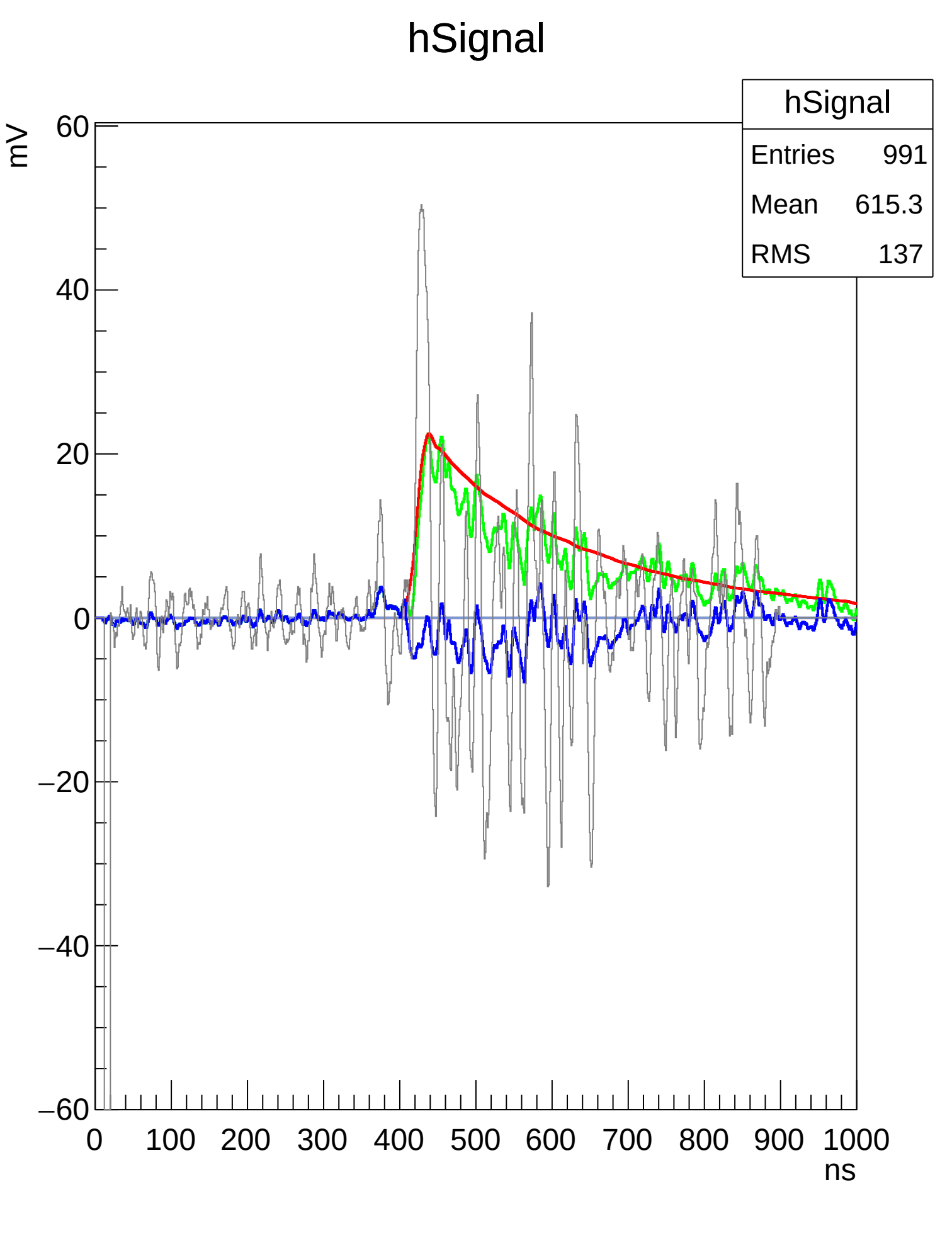
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.3
RMS 137
mV
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−20
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100
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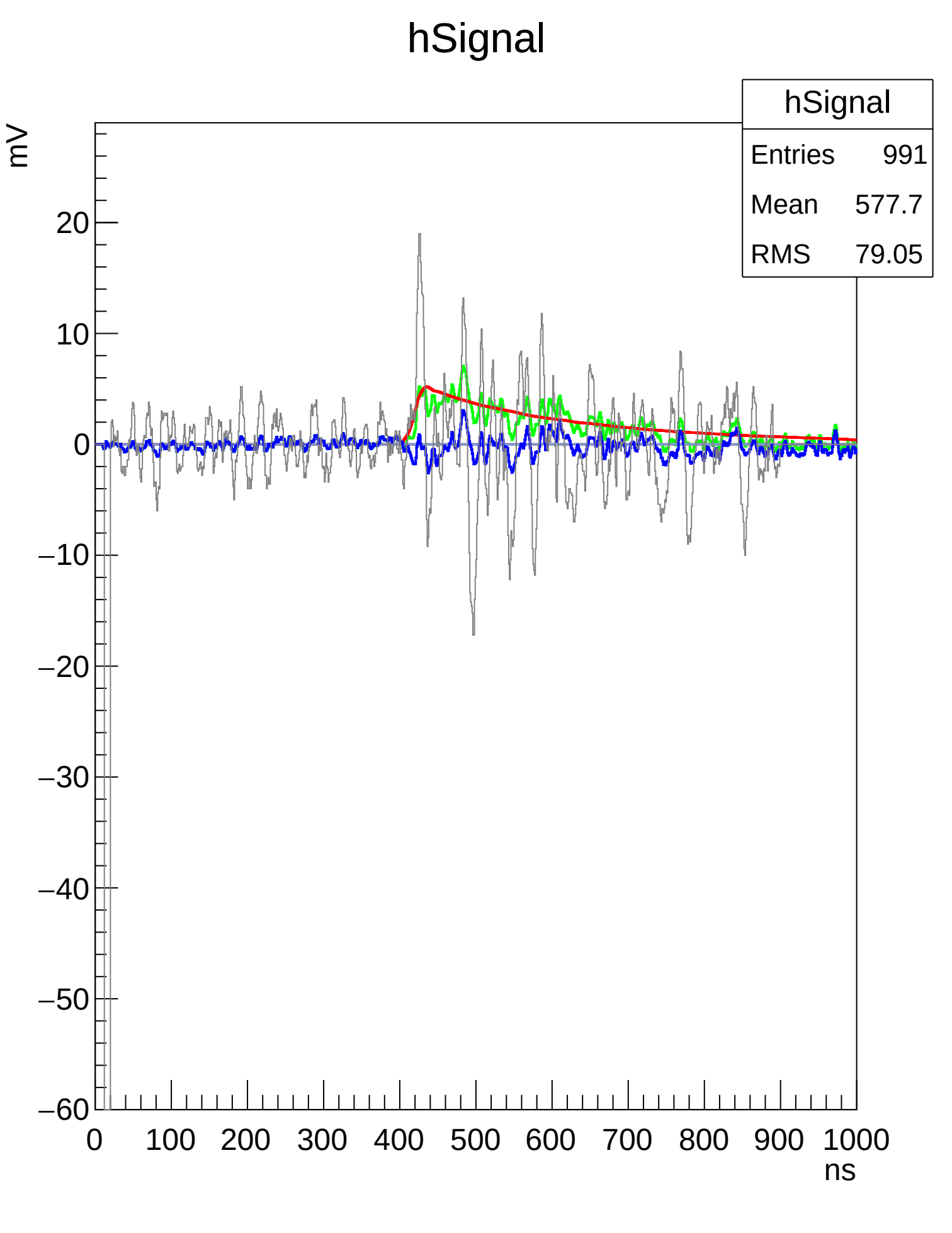
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.7
RMS 79.05
mV
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10
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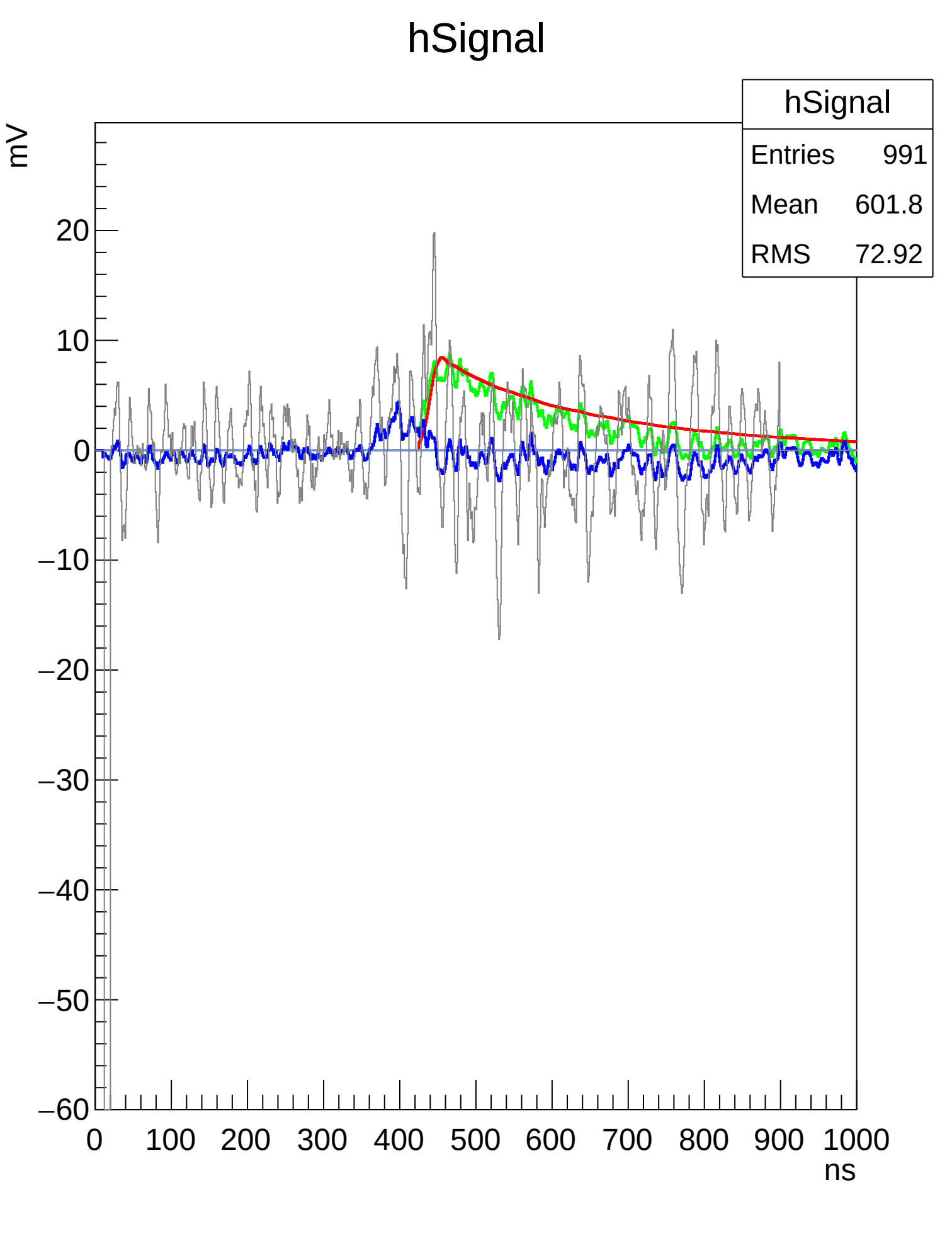
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.8
RMS 72.92
mV
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10
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1000
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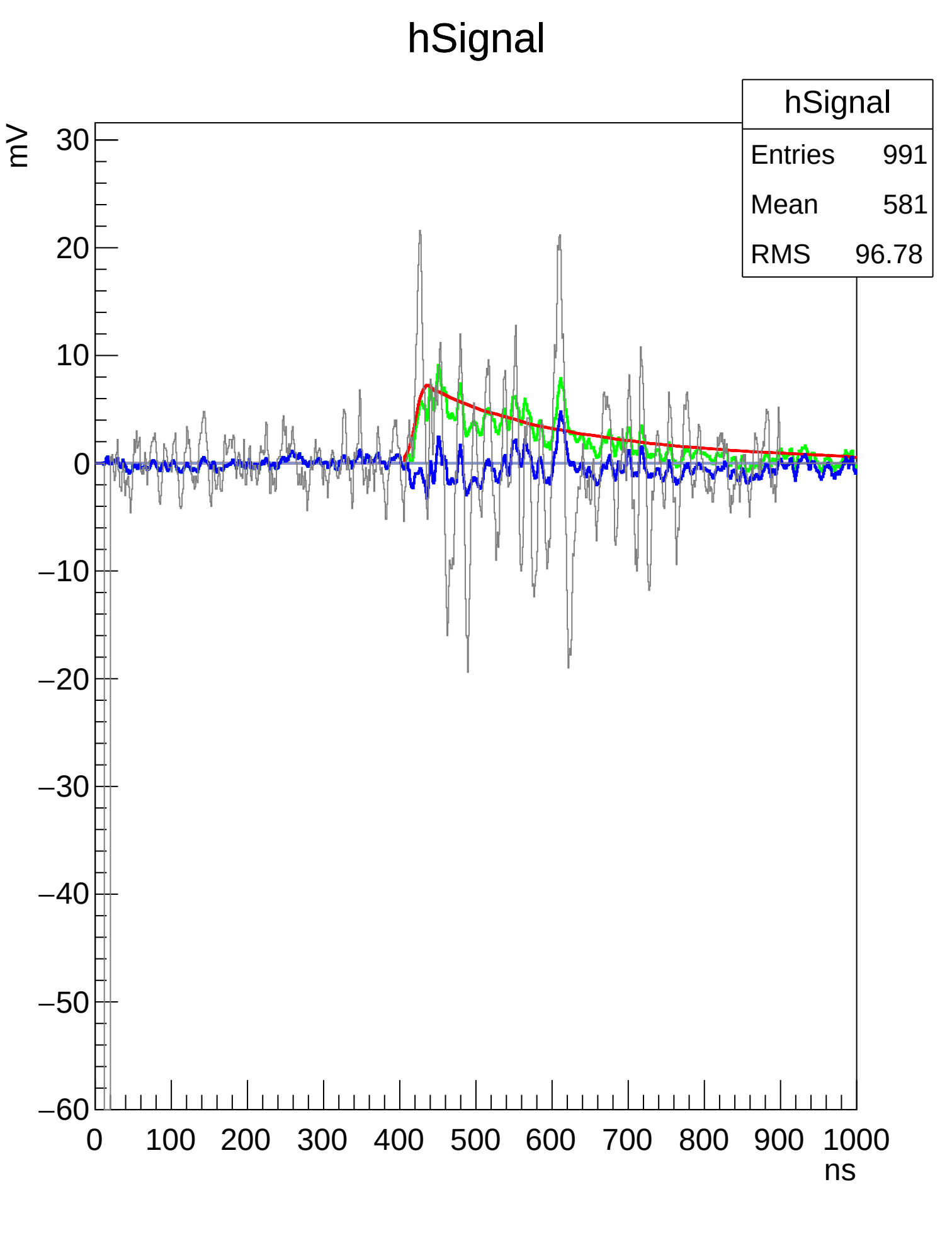
hSignal
hSignal
Entries 991
Mean 581
RMS 96.78
mV
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900
1000
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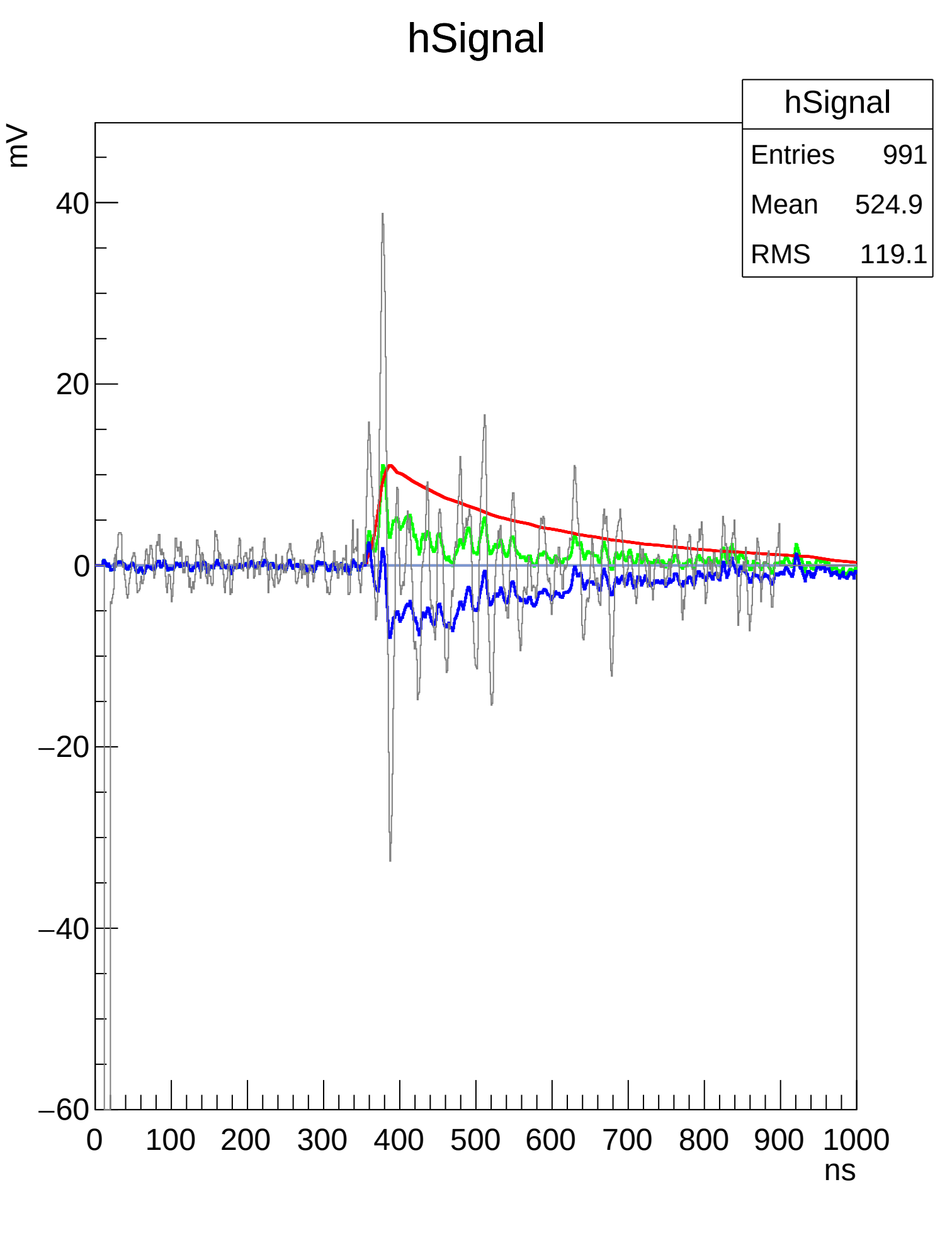
hSignal
hSignal
Entries 991
Mean 524.9
RMS 119.1
mV
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0
−20
−40
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0
100
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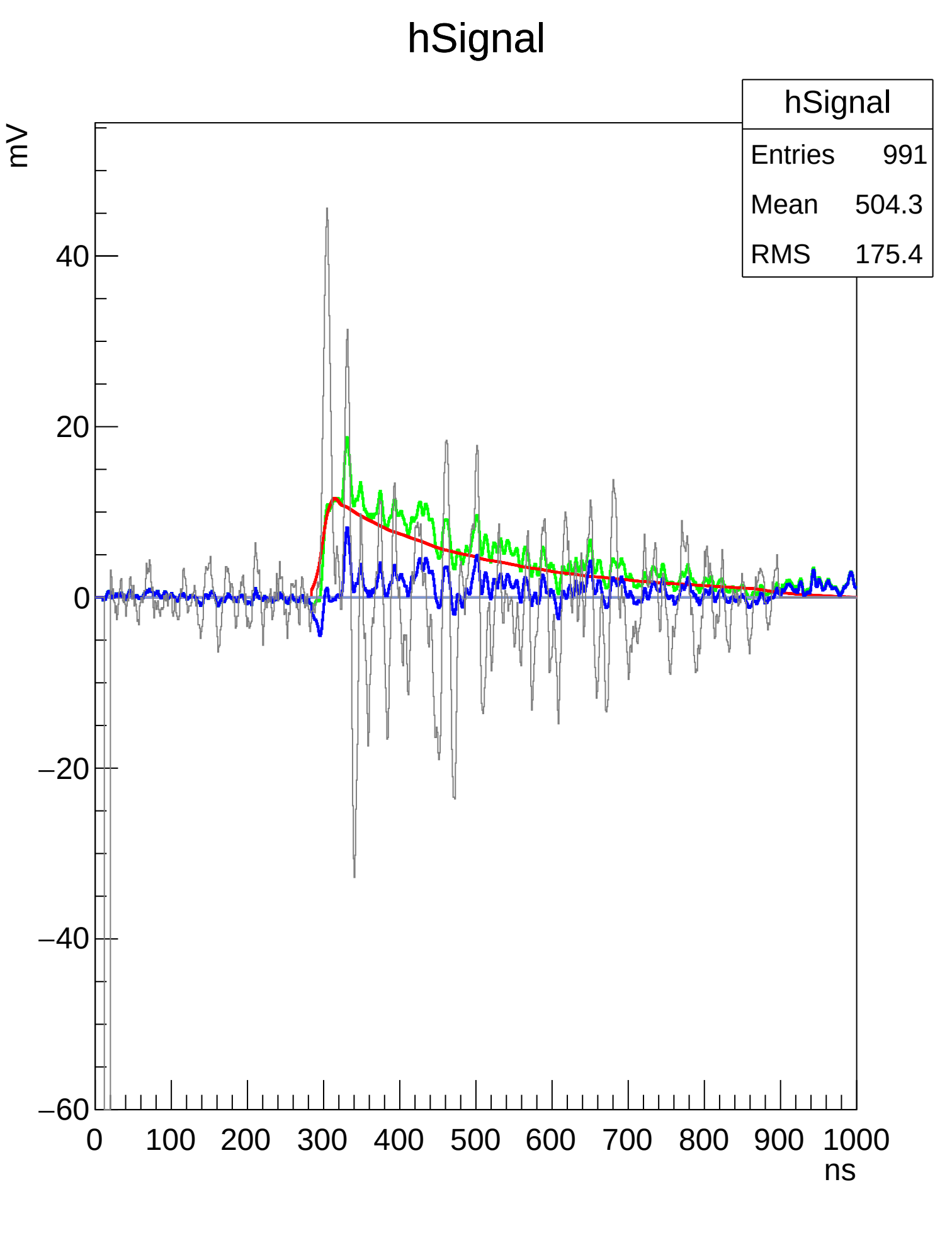
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.3
RMS 175.4
mV
40
20
0
−20
−40
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0
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800
900
1000
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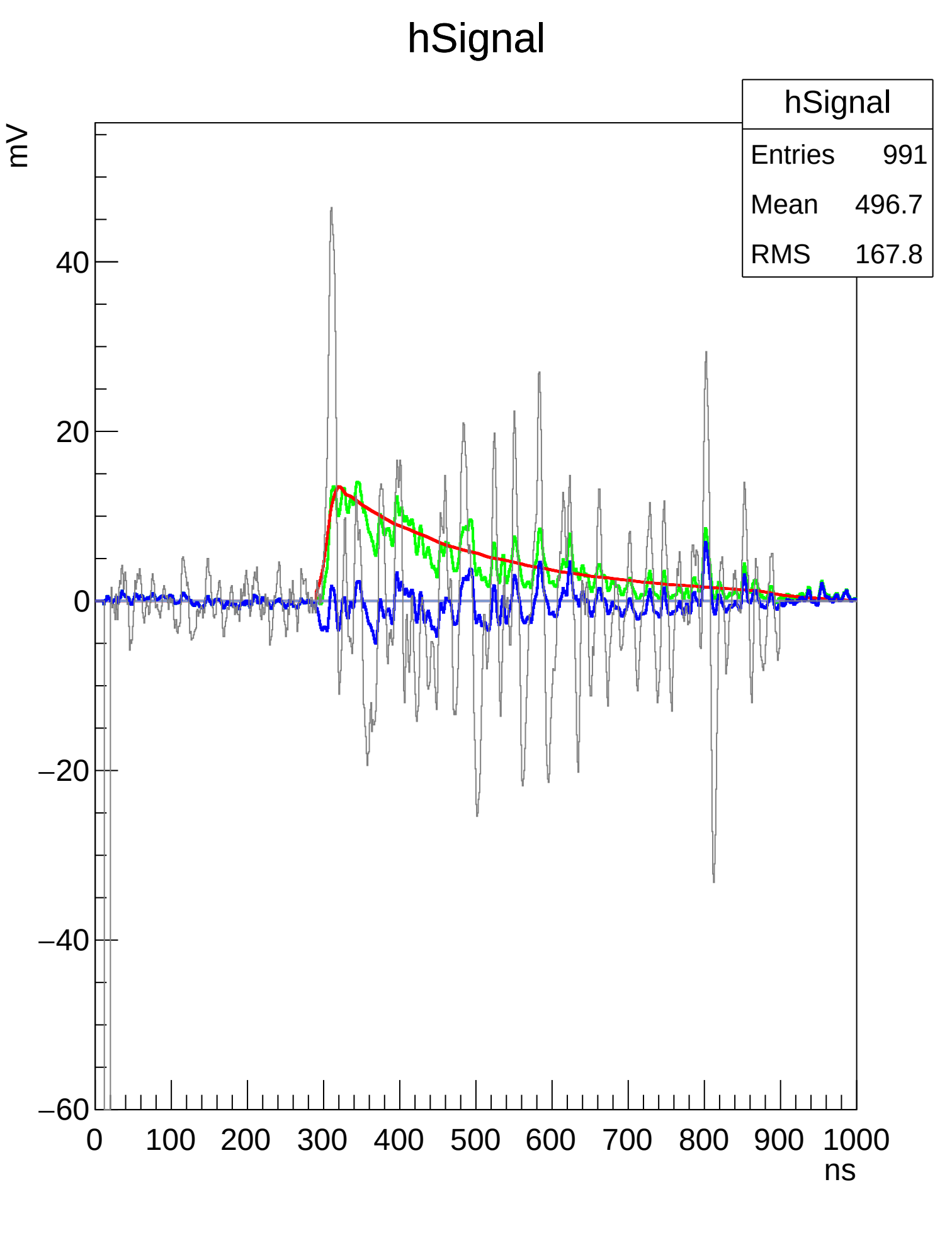
hSignal
hSignal
Entries 991
Mean 496.7
RMS 167.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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600
700
800
900
1000
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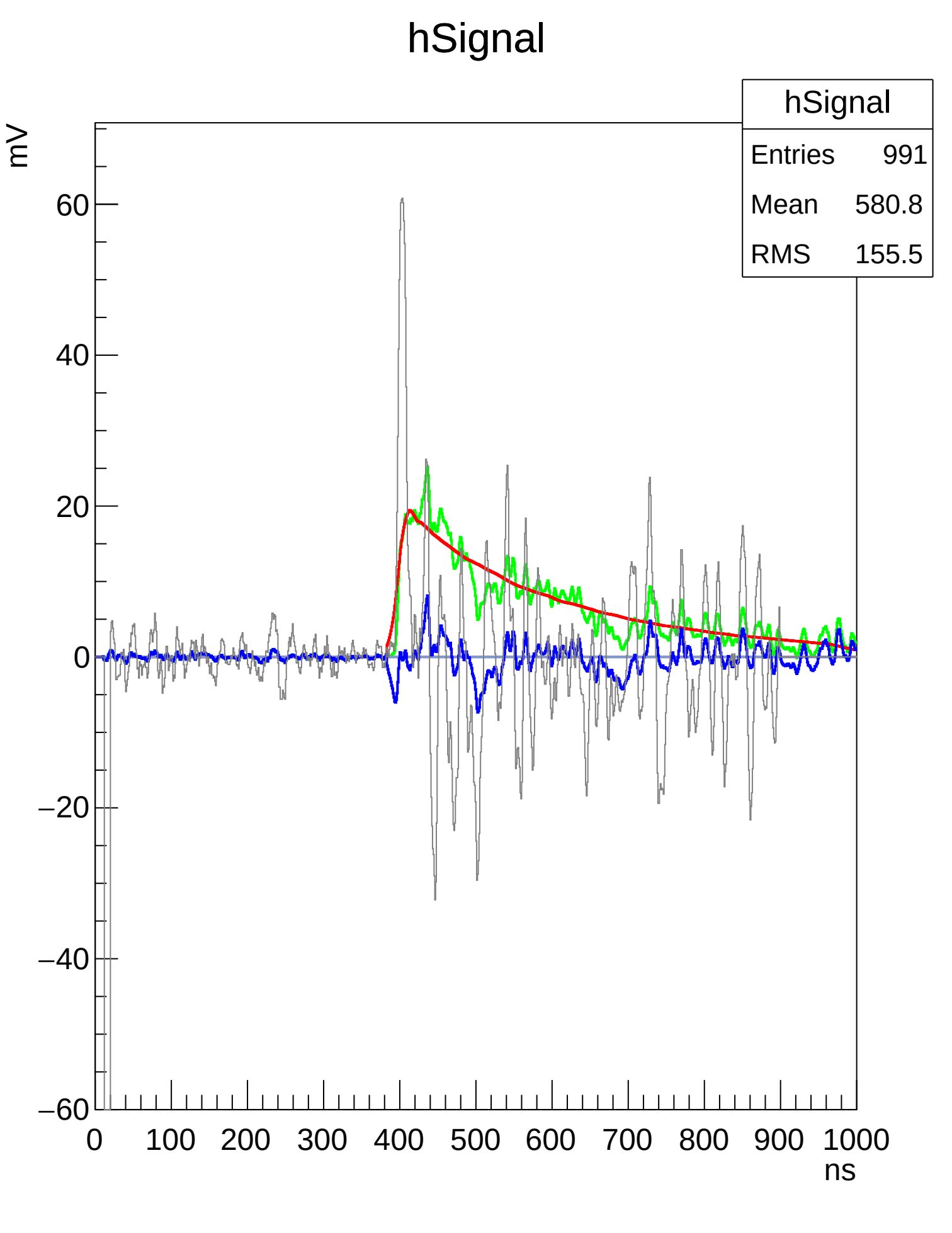
hSignal
hSignal
Entries 991
Mean 580.8
RMS 155.5
mV
60
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−20
−40
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0
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200
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400
500
600
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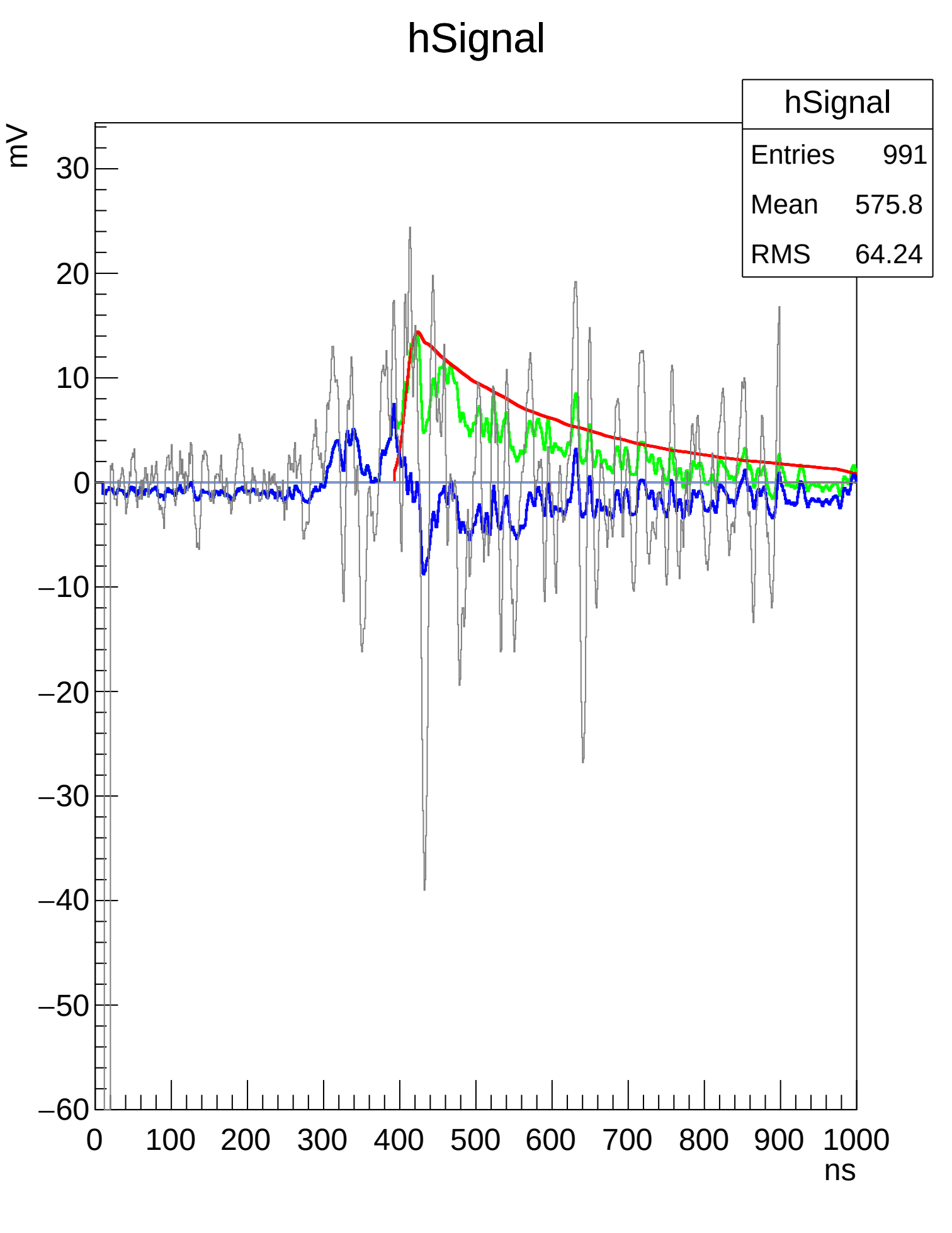
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.8
RMS 64.24
mV
30
20
10
0
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−40
−50
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0
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200
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400
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800
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1000
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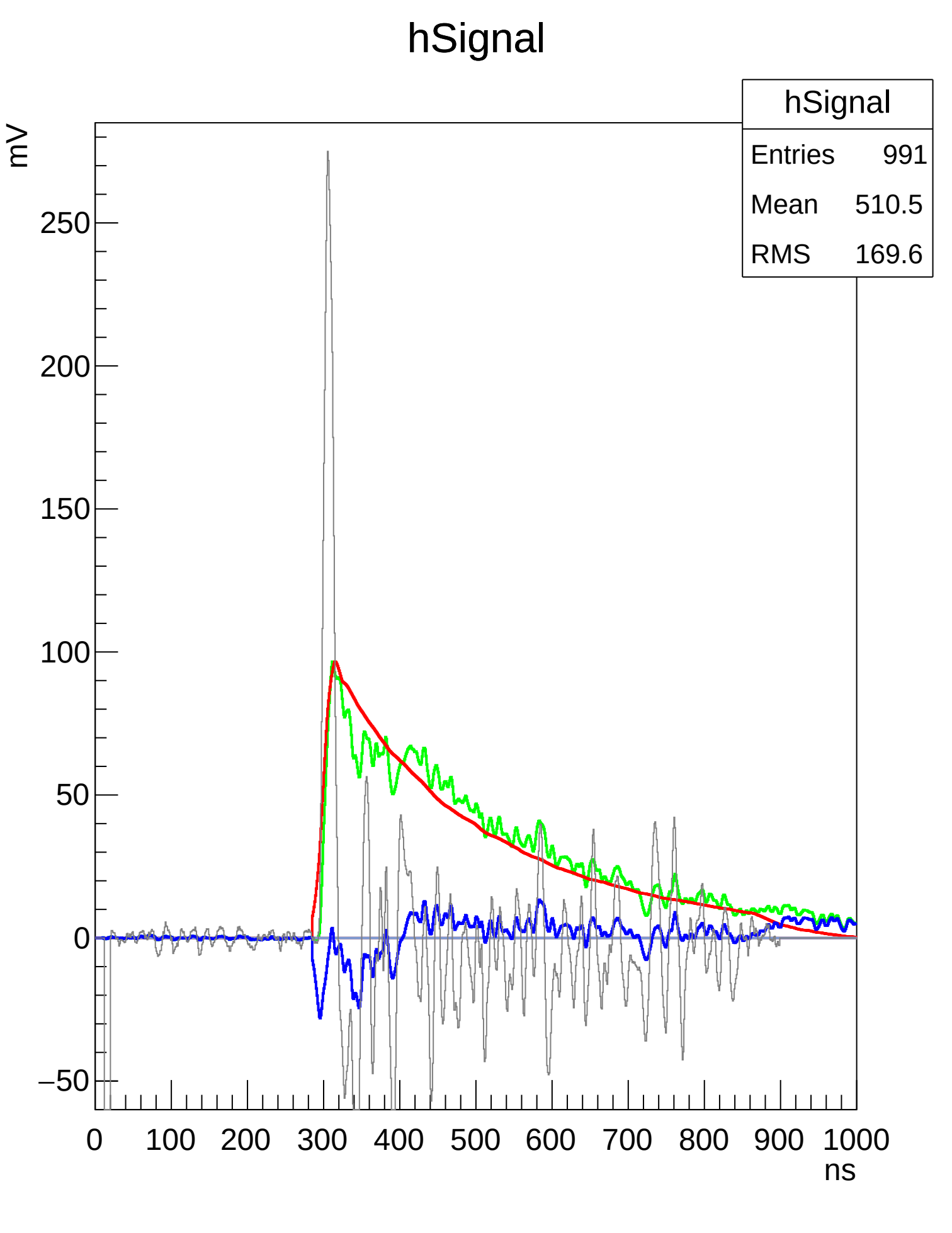
hSignal
hSignal
Entries 991
Mean 510.5
RMS 169.6
mV
250
200
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100
50
0
−50
0
100
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800
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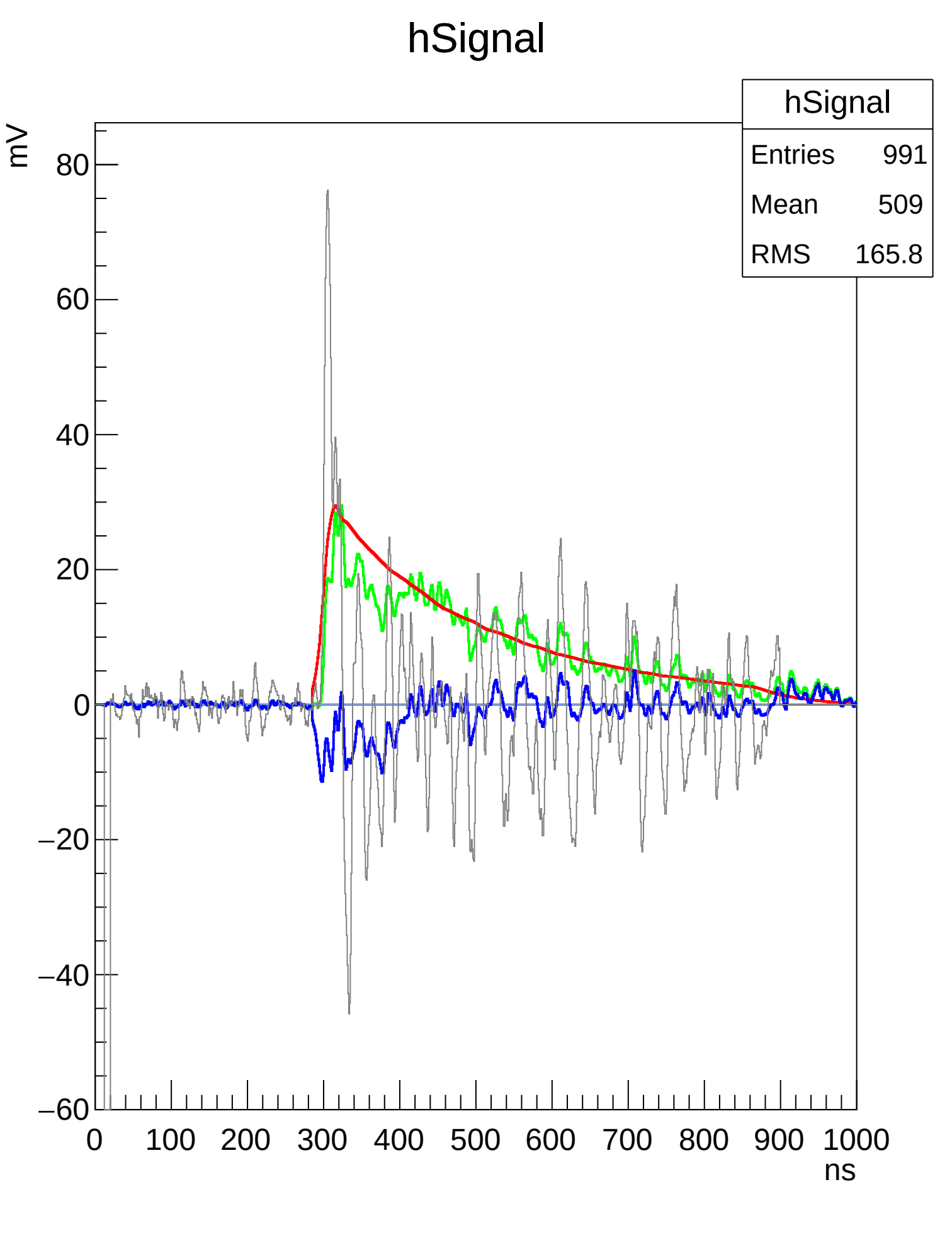
1000
ns


hSignal
hSignal
Entries 991
Mean 509
RMS 165.8
mV
80
60
40
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−20
−40
−60
0
100
200
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400
500
600
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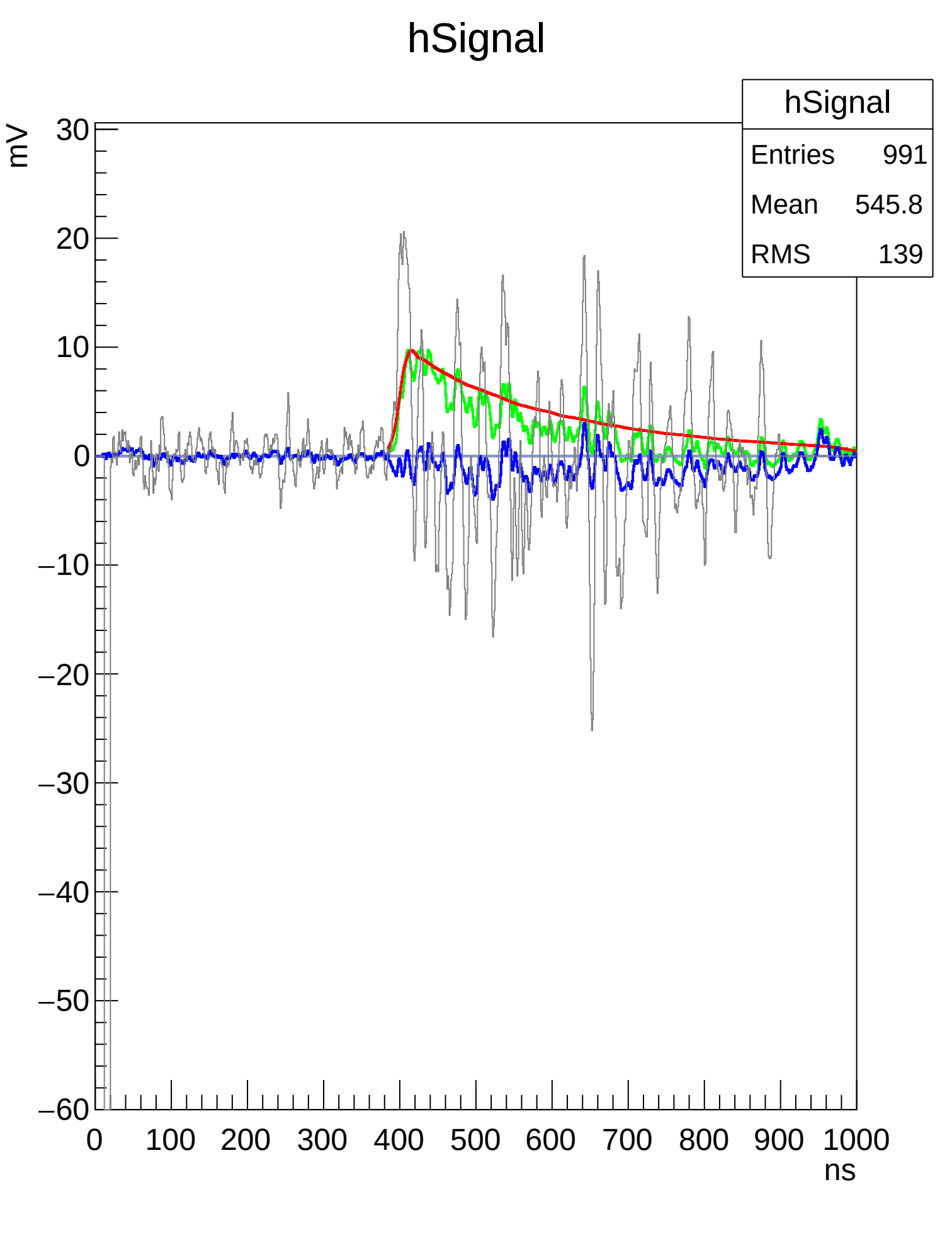
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.8
RMS 139
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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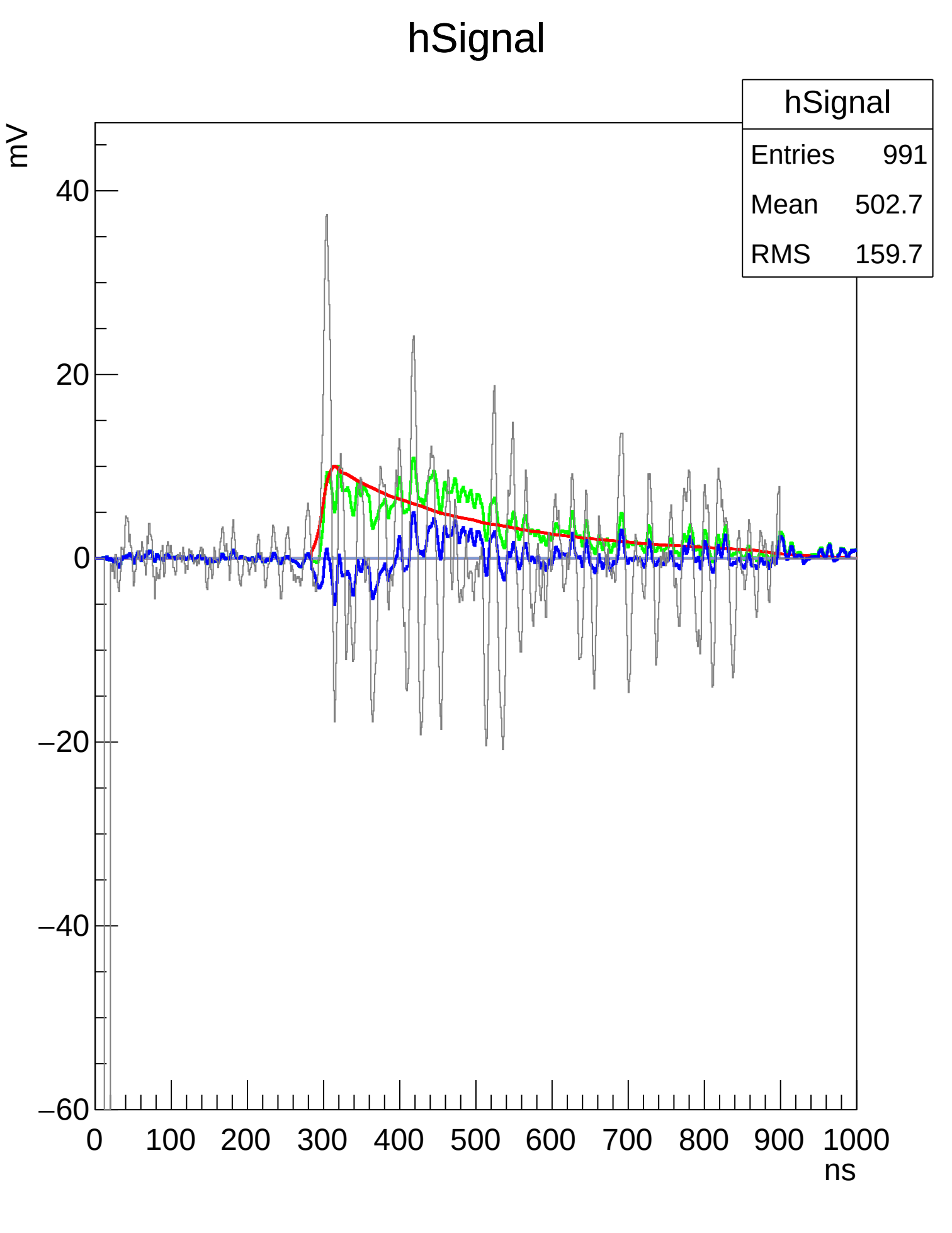
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.7
RMS 159.7
mV
40
20
0
−20
−40
−60
0
100
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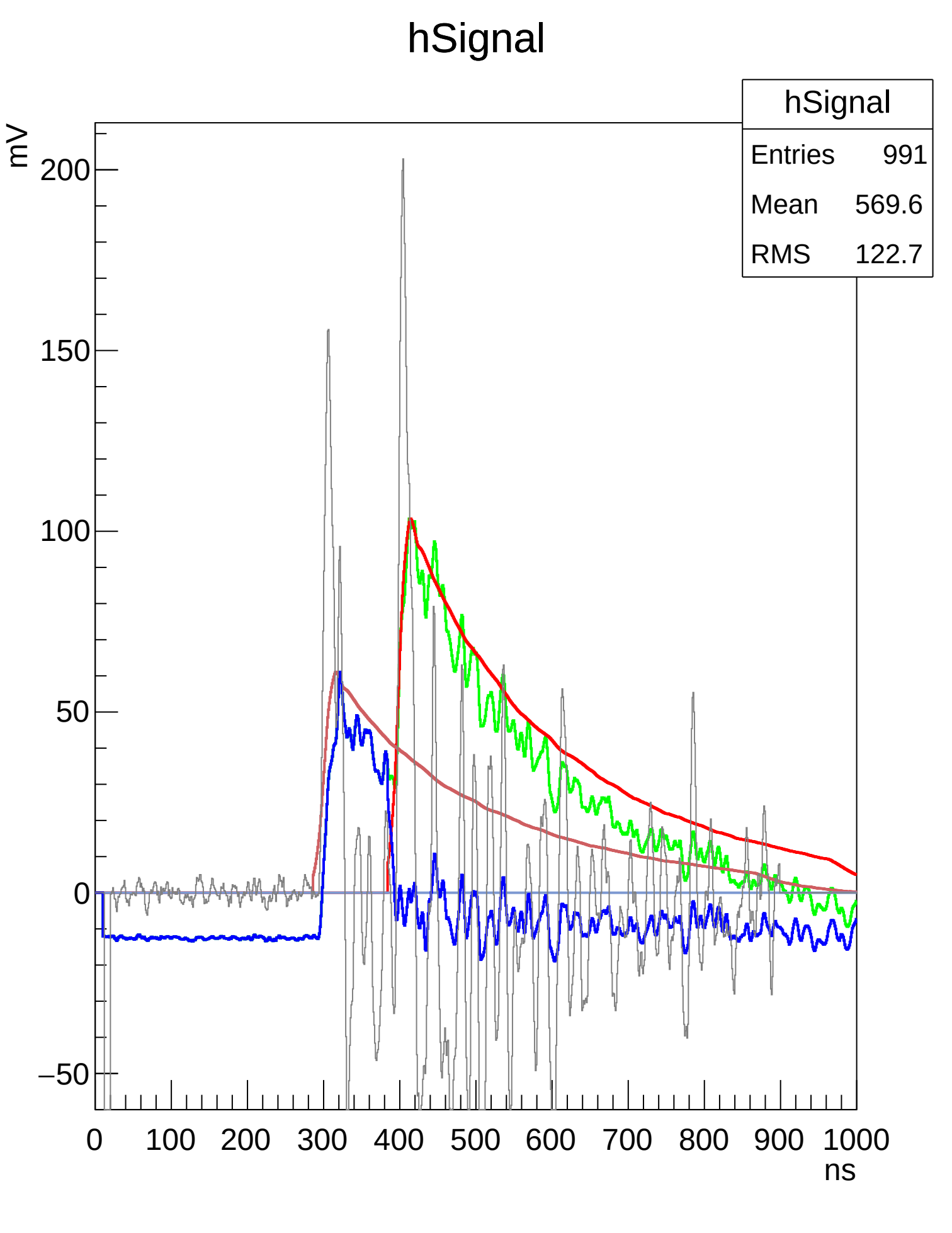
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.6
RMS 122.7
mV
200
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100
50
0
−50
0
100
200
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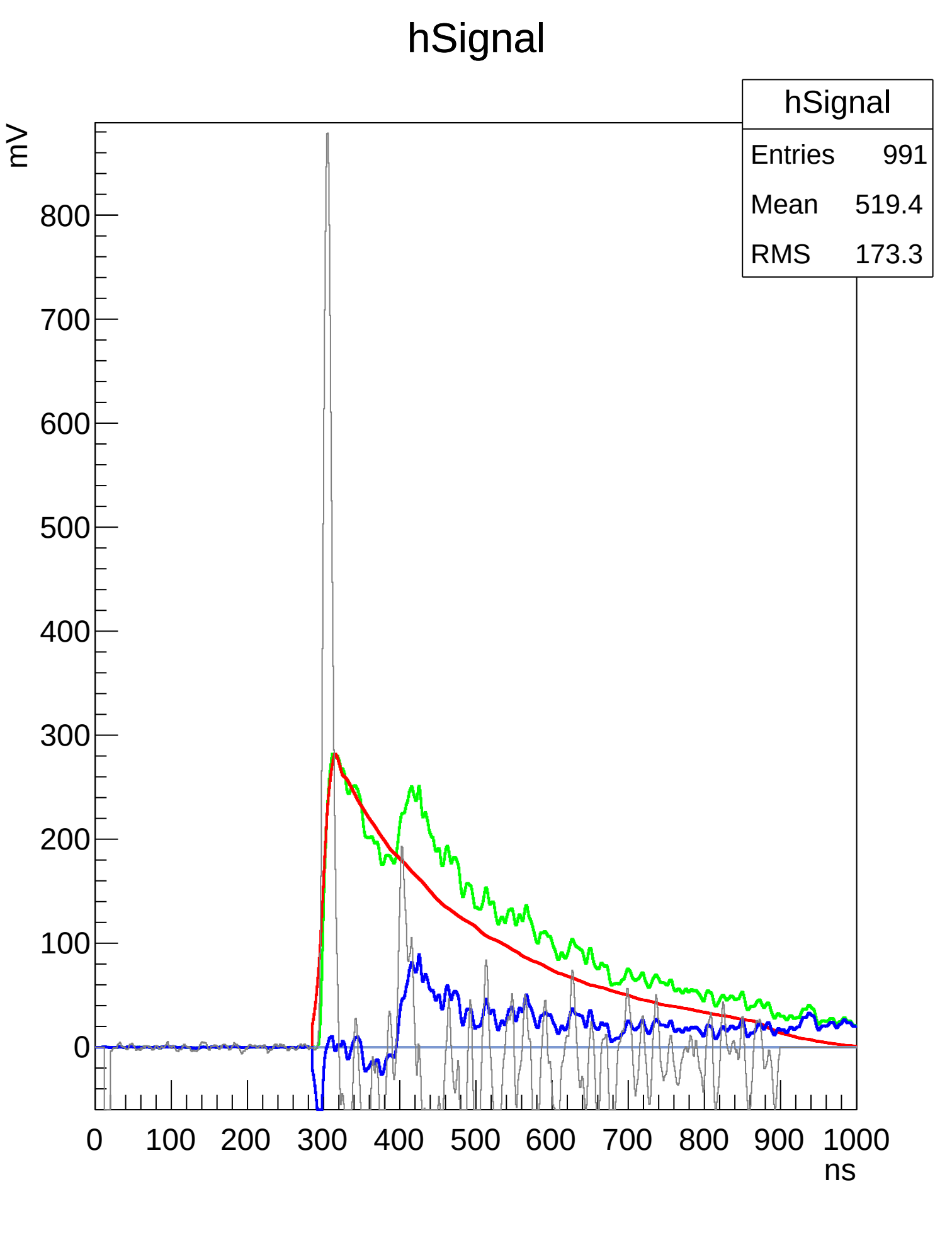
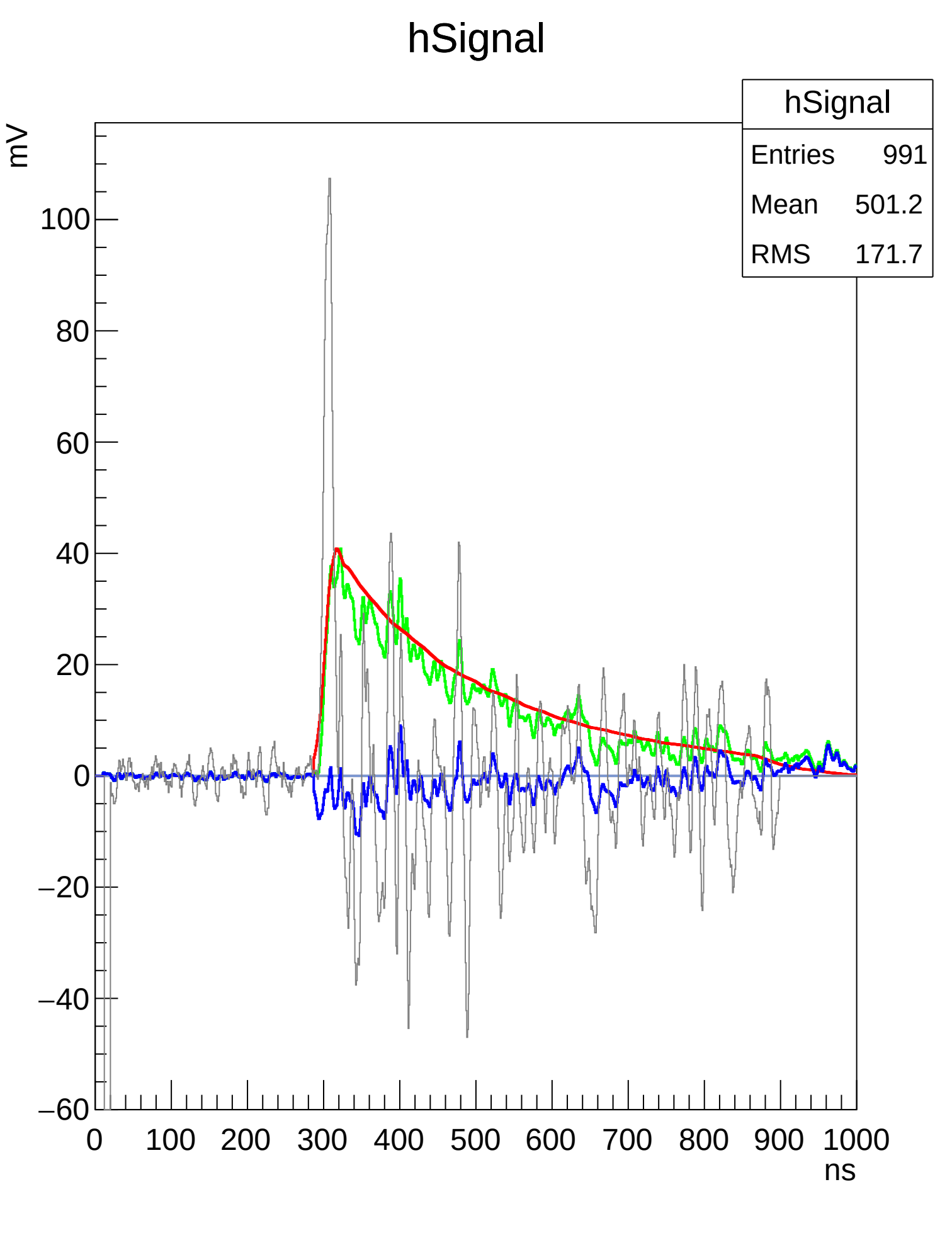
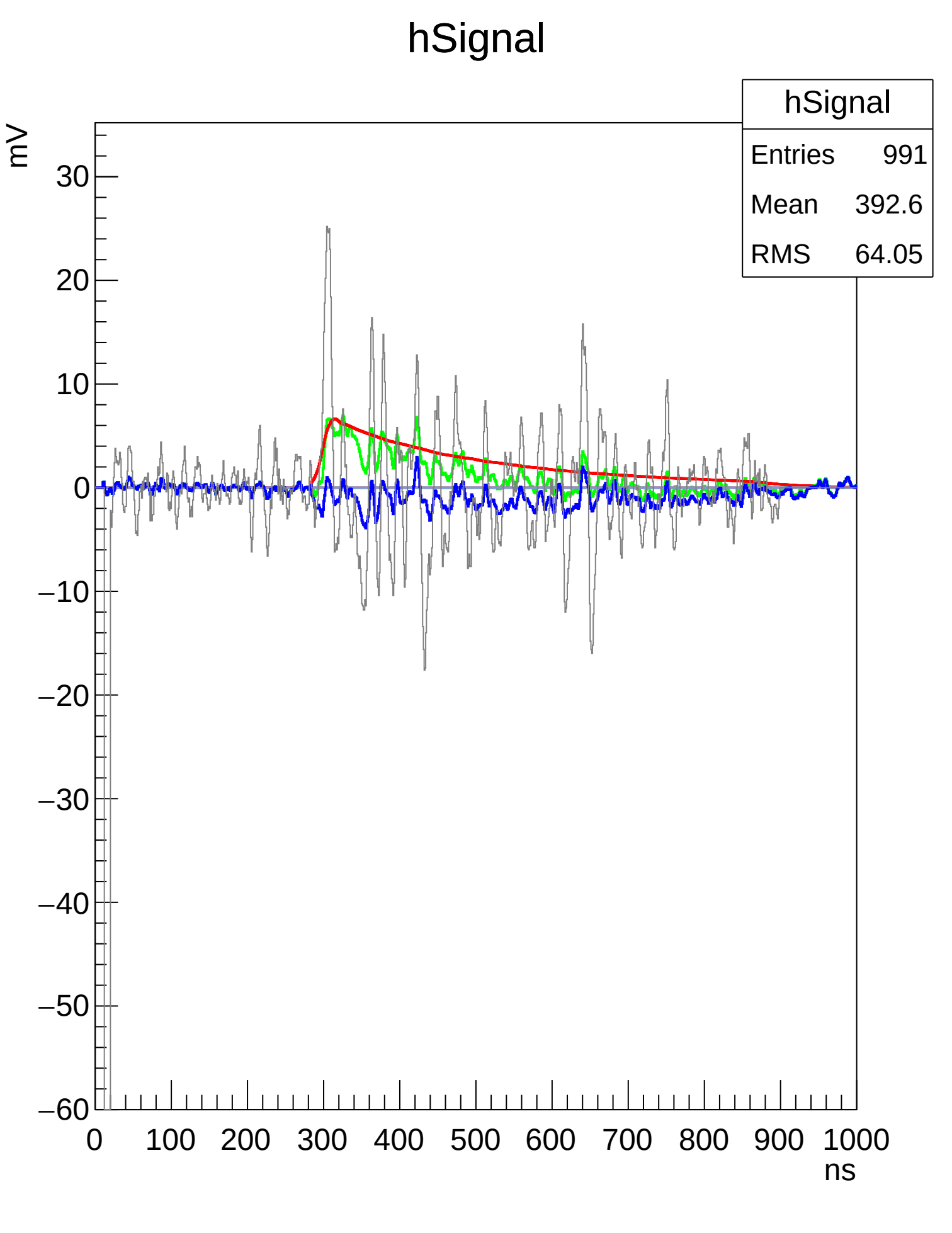
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.4
RMS 173.3
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 501.2
RMS 171.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 392.6
RMS 64.05
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
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200
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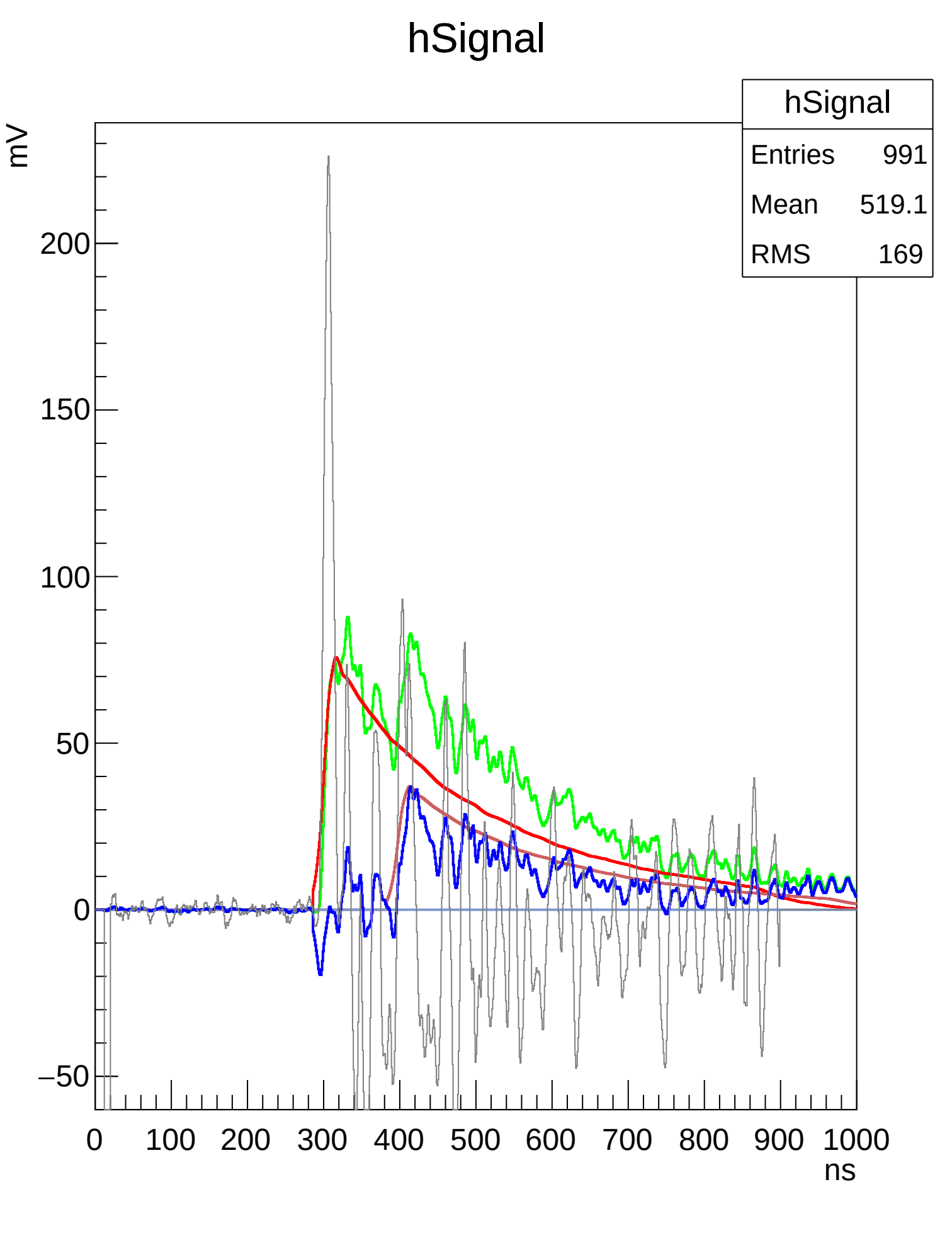
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.1
RMS 169
mV
200
150
100
50
0
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0
100
200
300
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600
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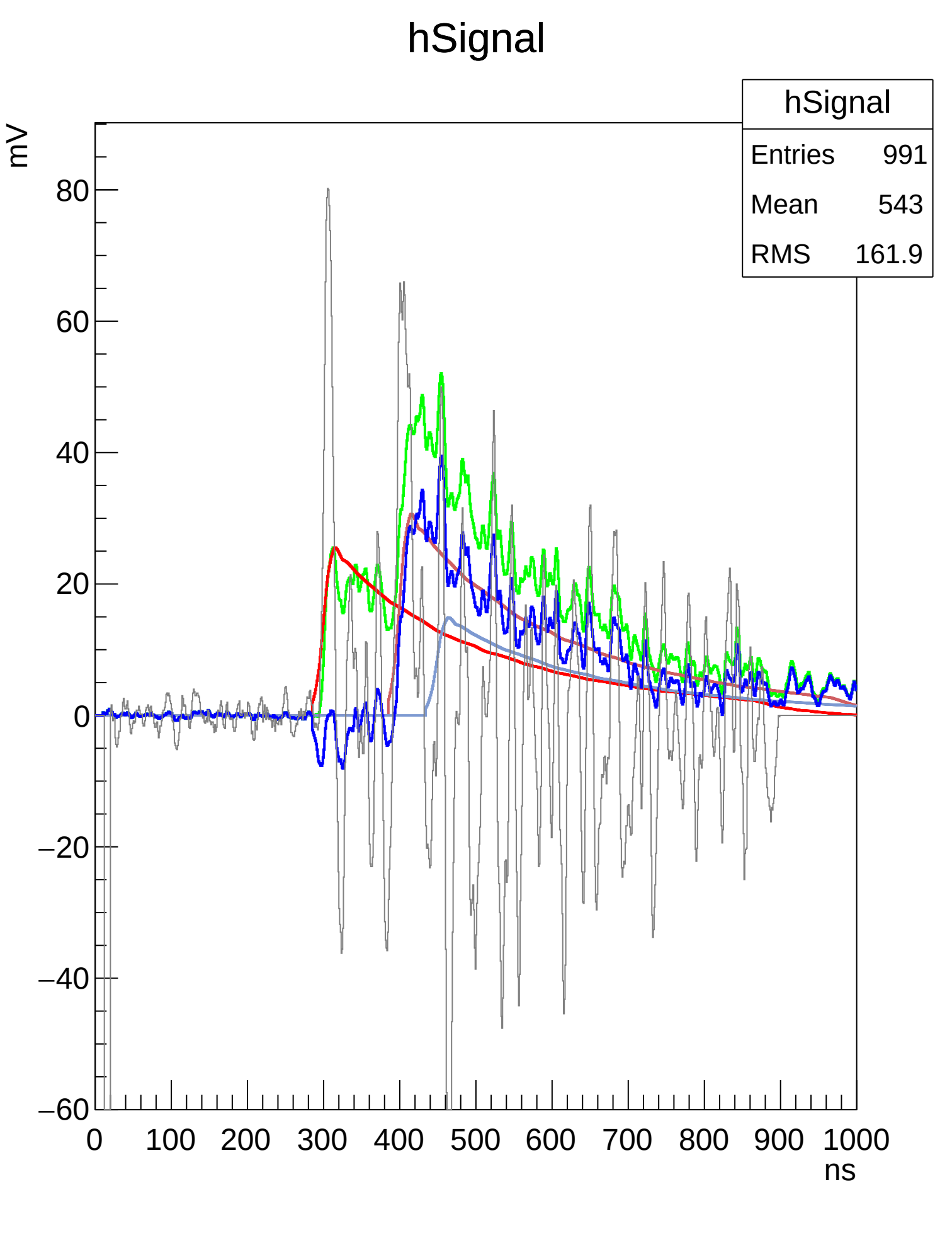
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543
RMS 161.9
mV
80
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−20
−40
−60
0
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400
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800
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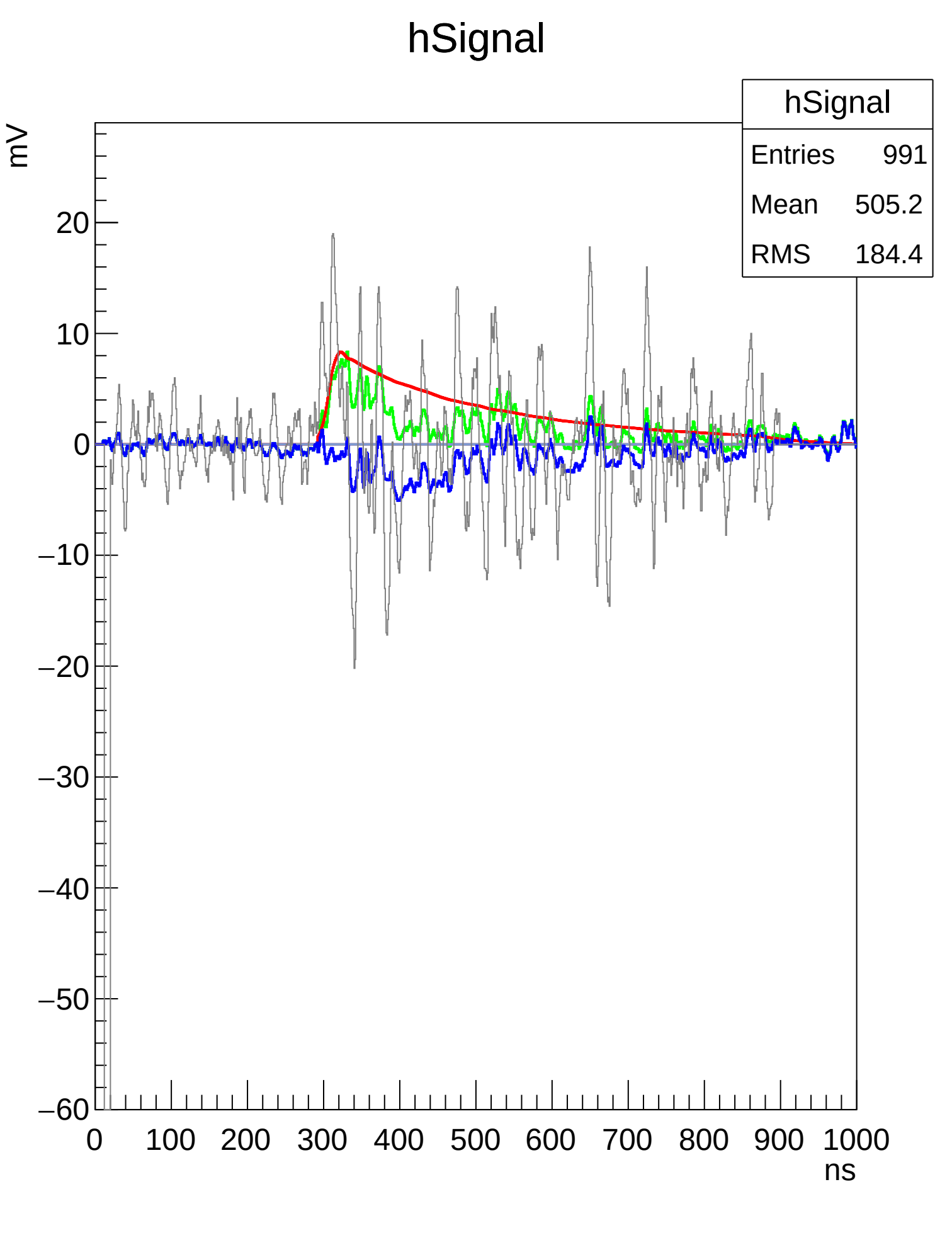
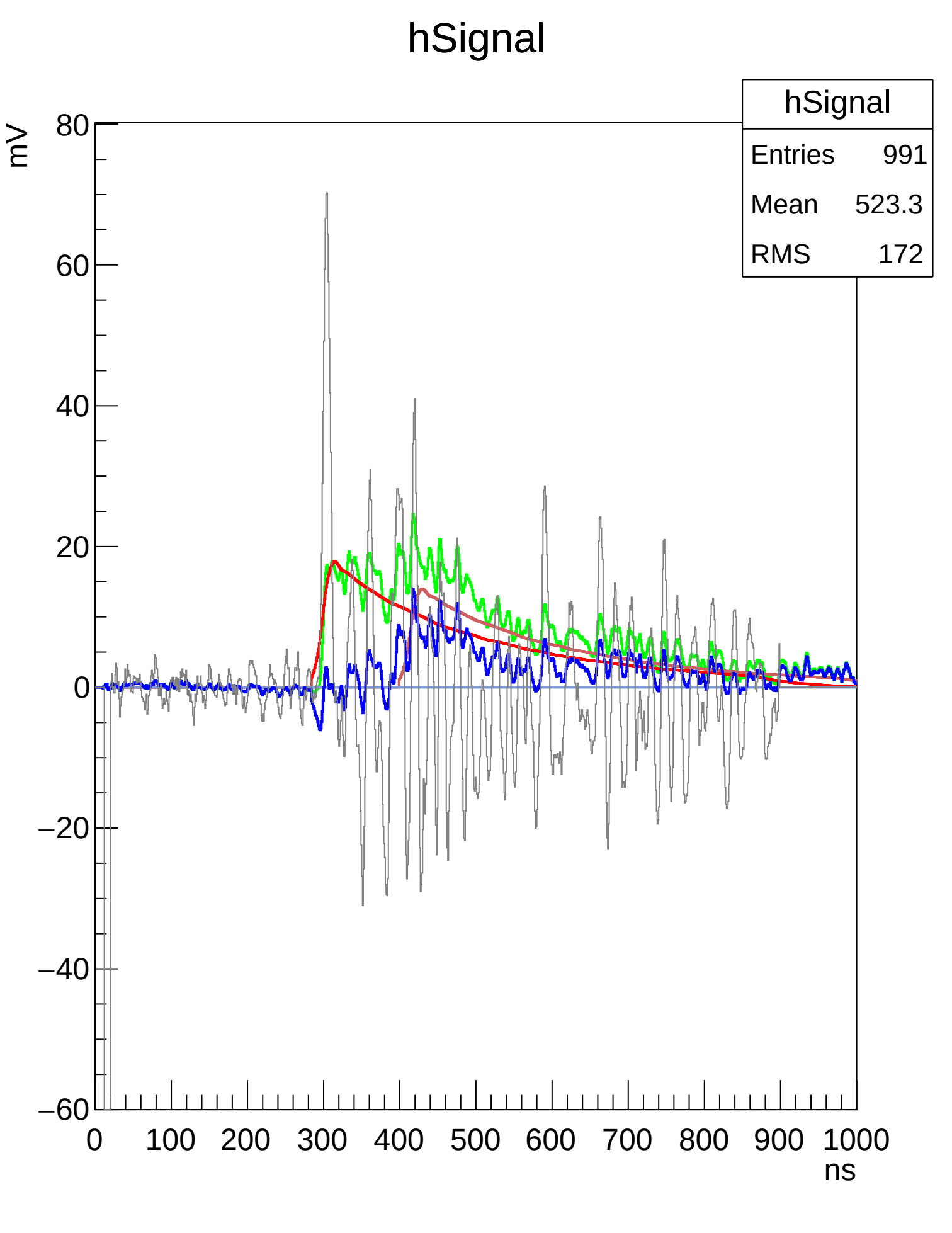
1000
ns


hSignal
hSignal
Entries 991
Mean 505.2
RMS 184.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.3
RMS 172
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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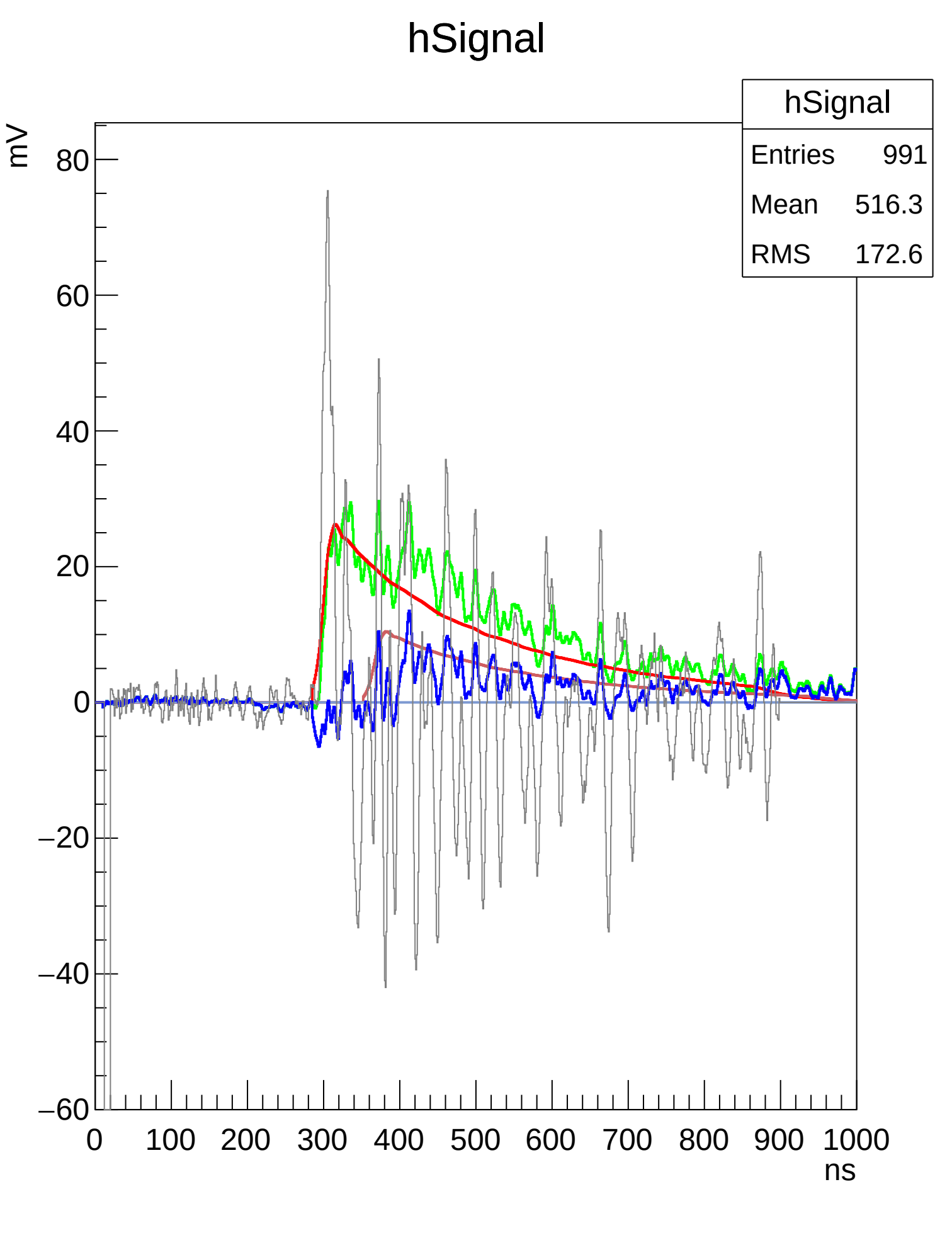
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.3
RMS 172.6
mV
80
60
40
20
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−20
−40
−60
0
100
200
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400
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600
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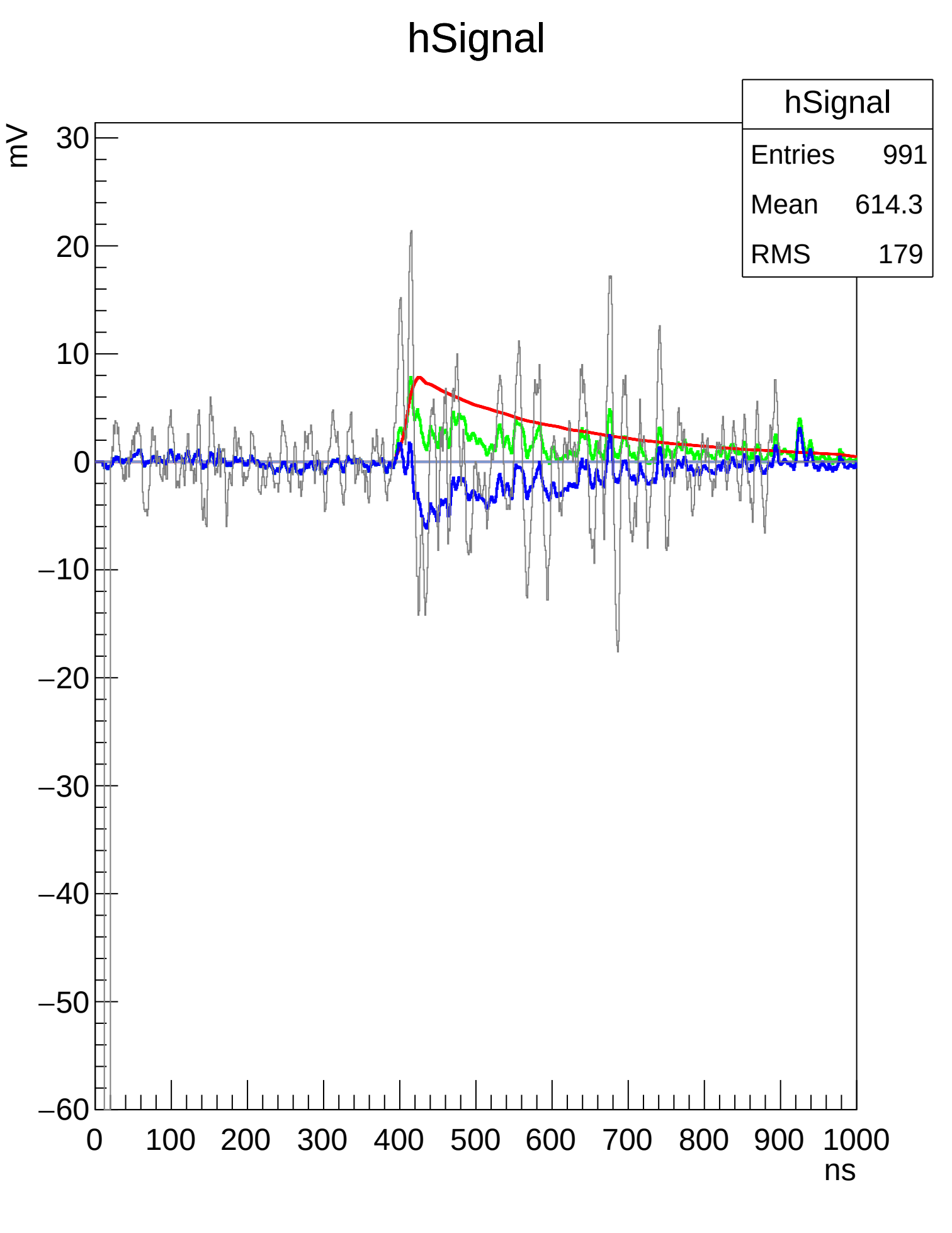
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.3
RMS 179
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
500
600
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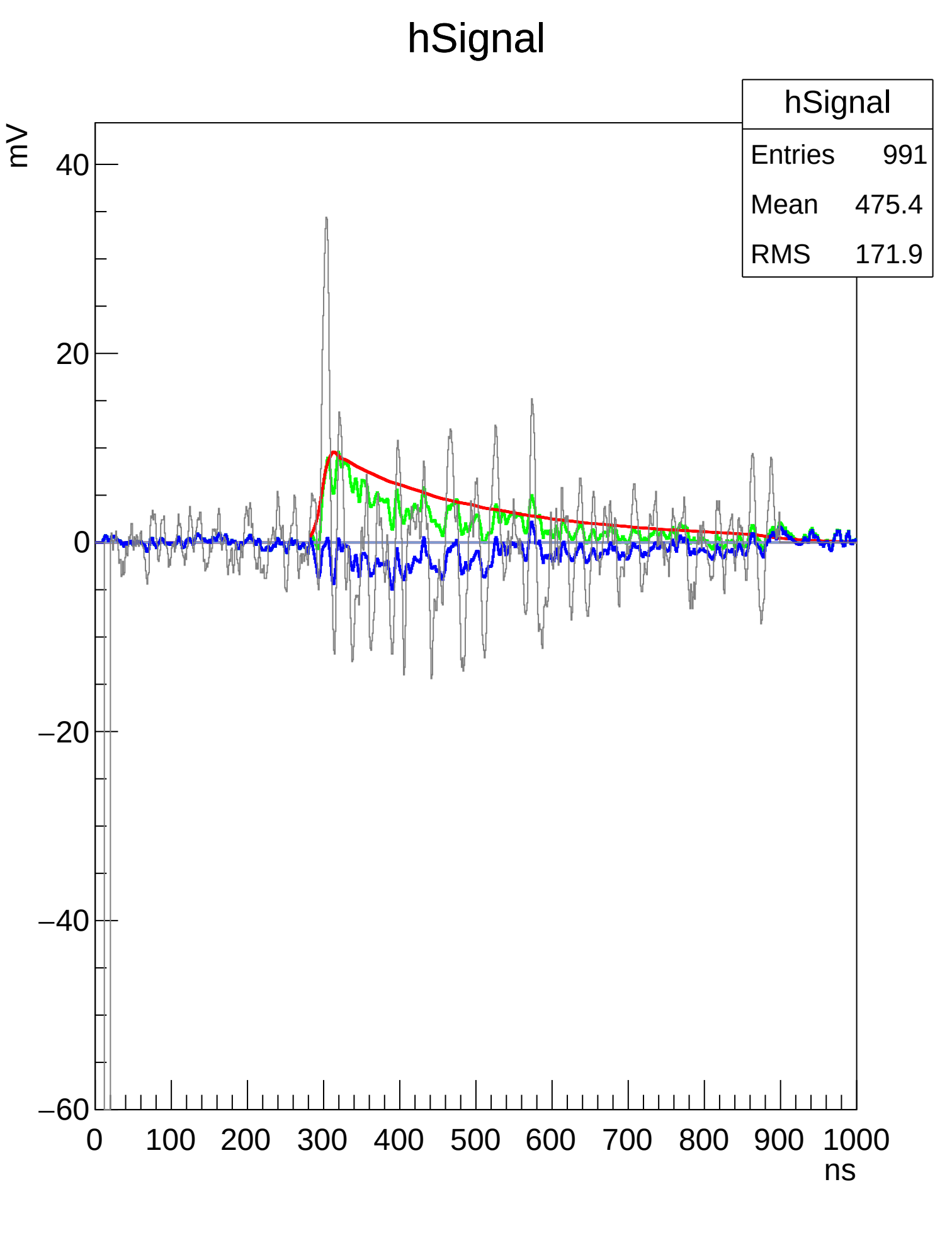
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 475.4
RMS 171.9
mV
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−20
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0
100
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600
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800
900
1000
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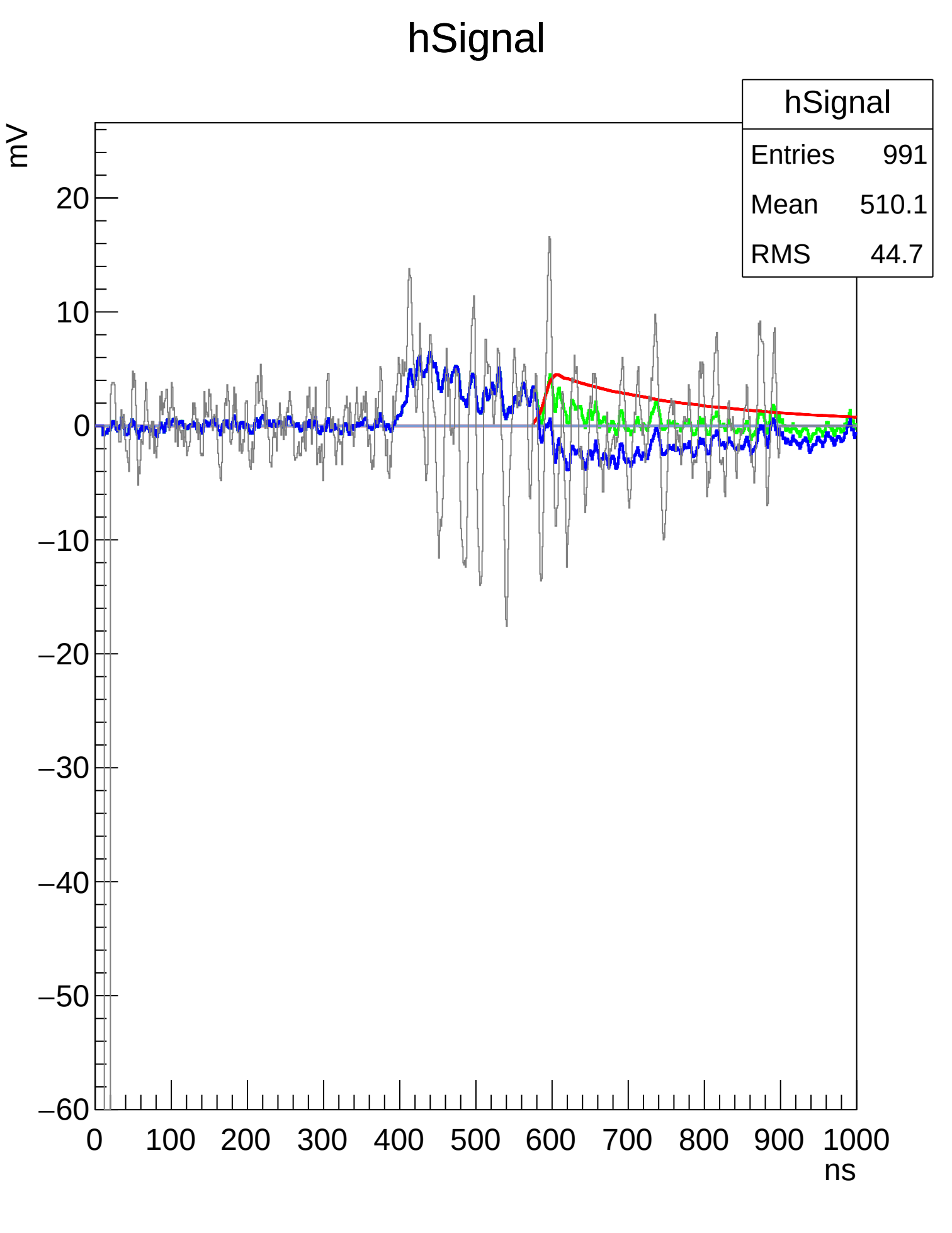
hSignal
hSignal
Entries 991
Mean 510.1
RMS 44.7
mV
20
10
0
−10
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−40
−50
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0
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400
500
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1000
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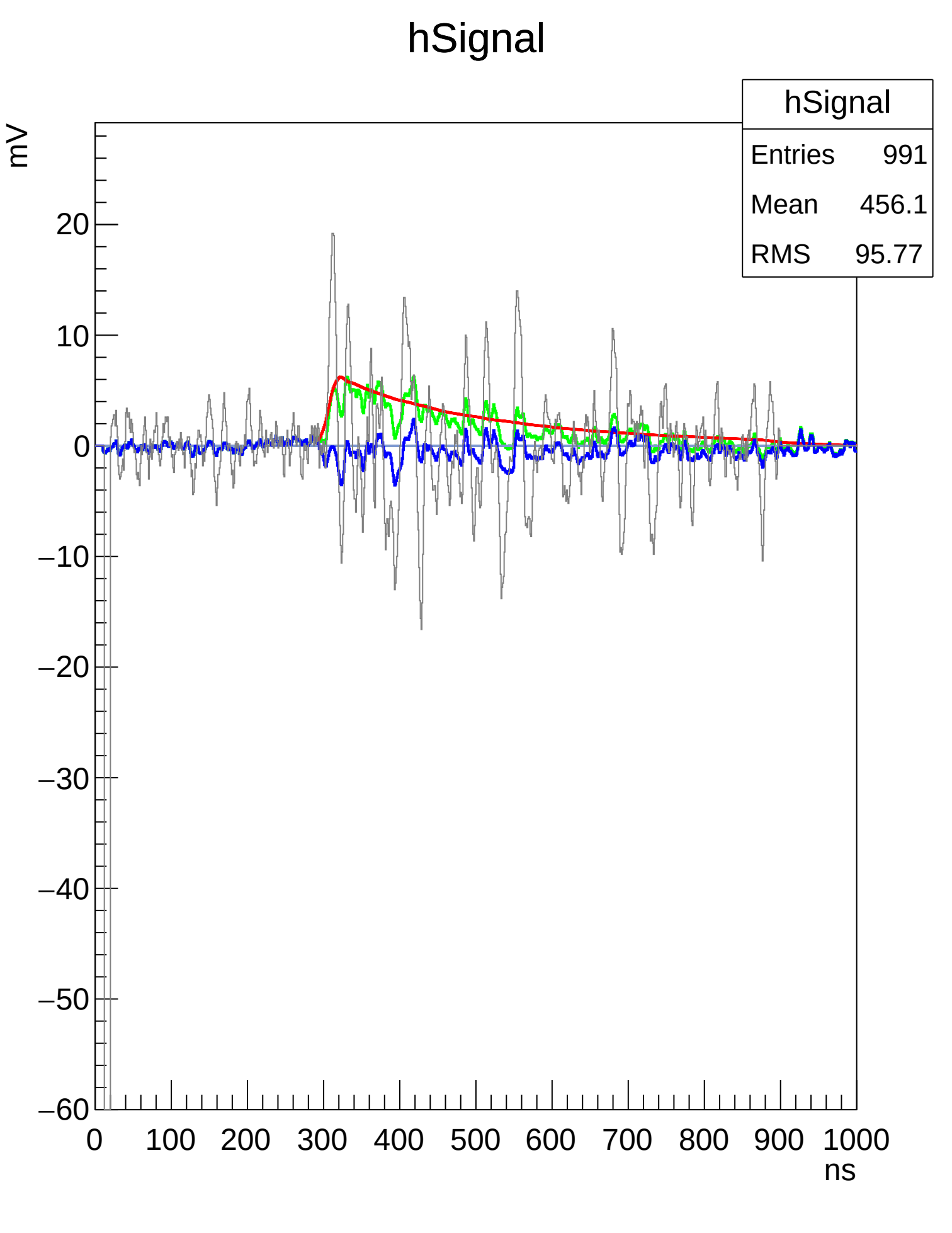
hSignal
hSignal
Entries 991
Mean 456.1
RMS 95.77
mV
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10
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−50
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0
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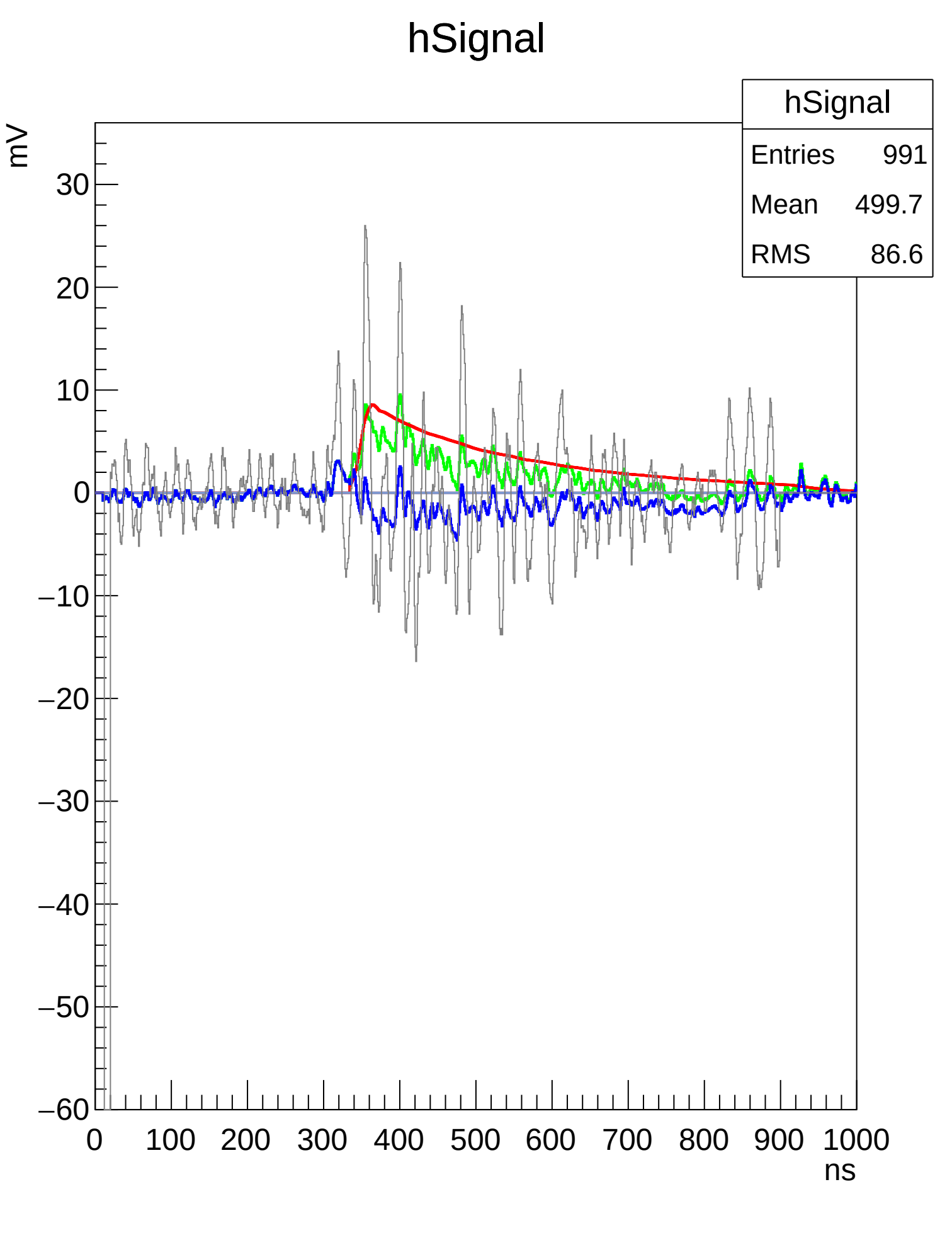
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.7
RMS 86.6
mV
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20
10
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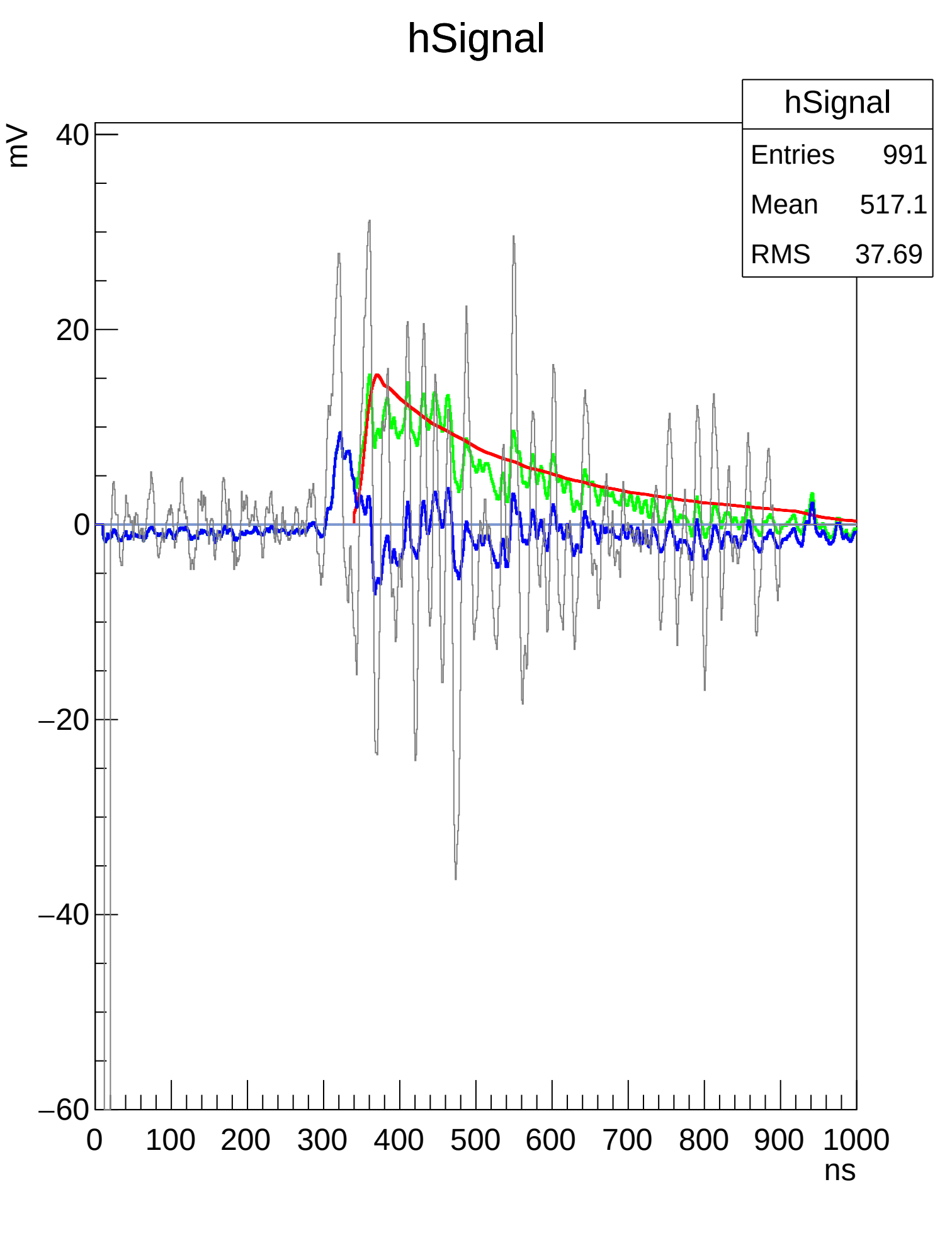
hSignal
hSignal
Entries 991
Mean 517.1
RMS 37.69
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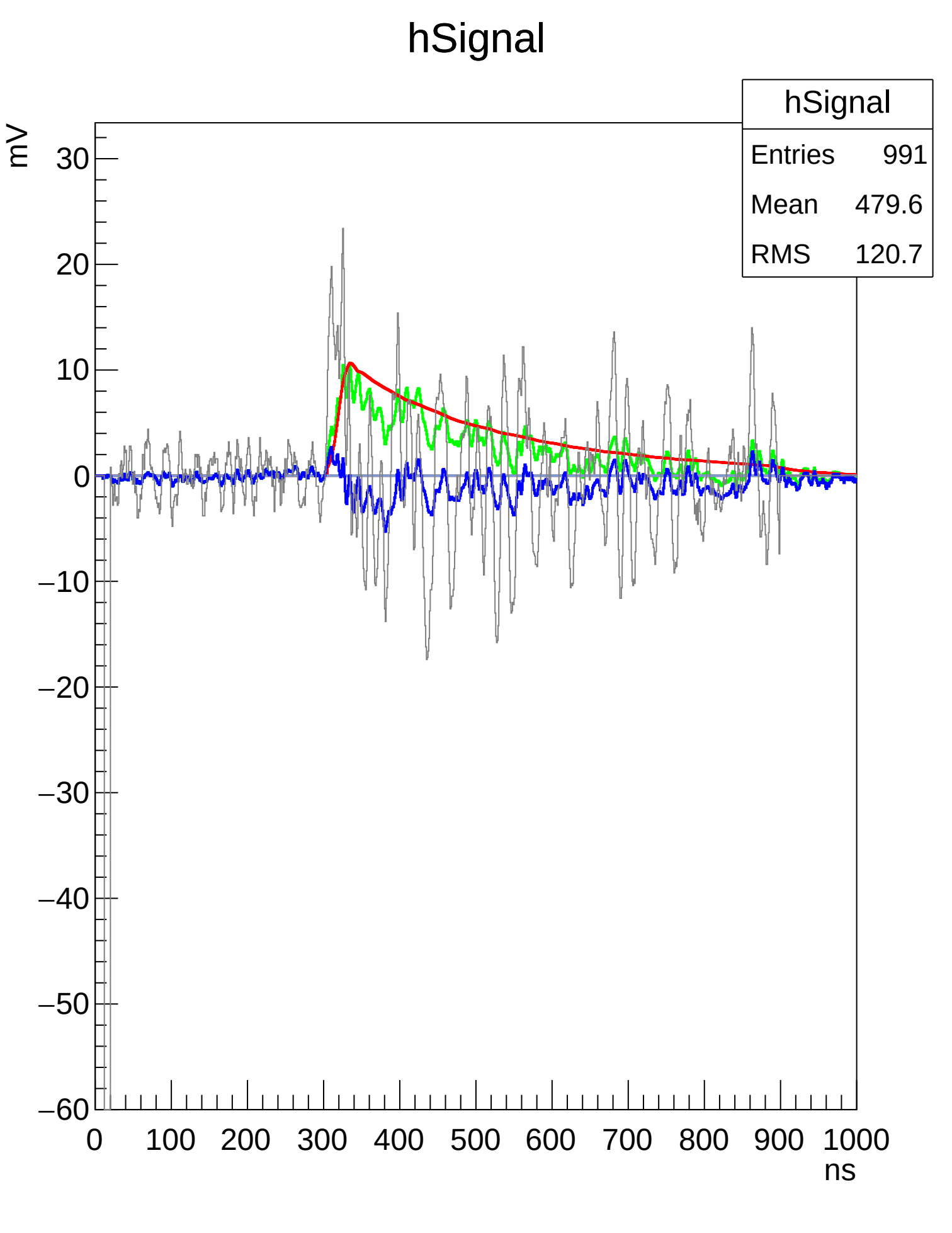
hSignal
hSignal
Entries 991
Mean 479.6
RMS 120.7
mV
30
20
10
0
−10
−20
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−50
−60
0
100
200
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400
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600
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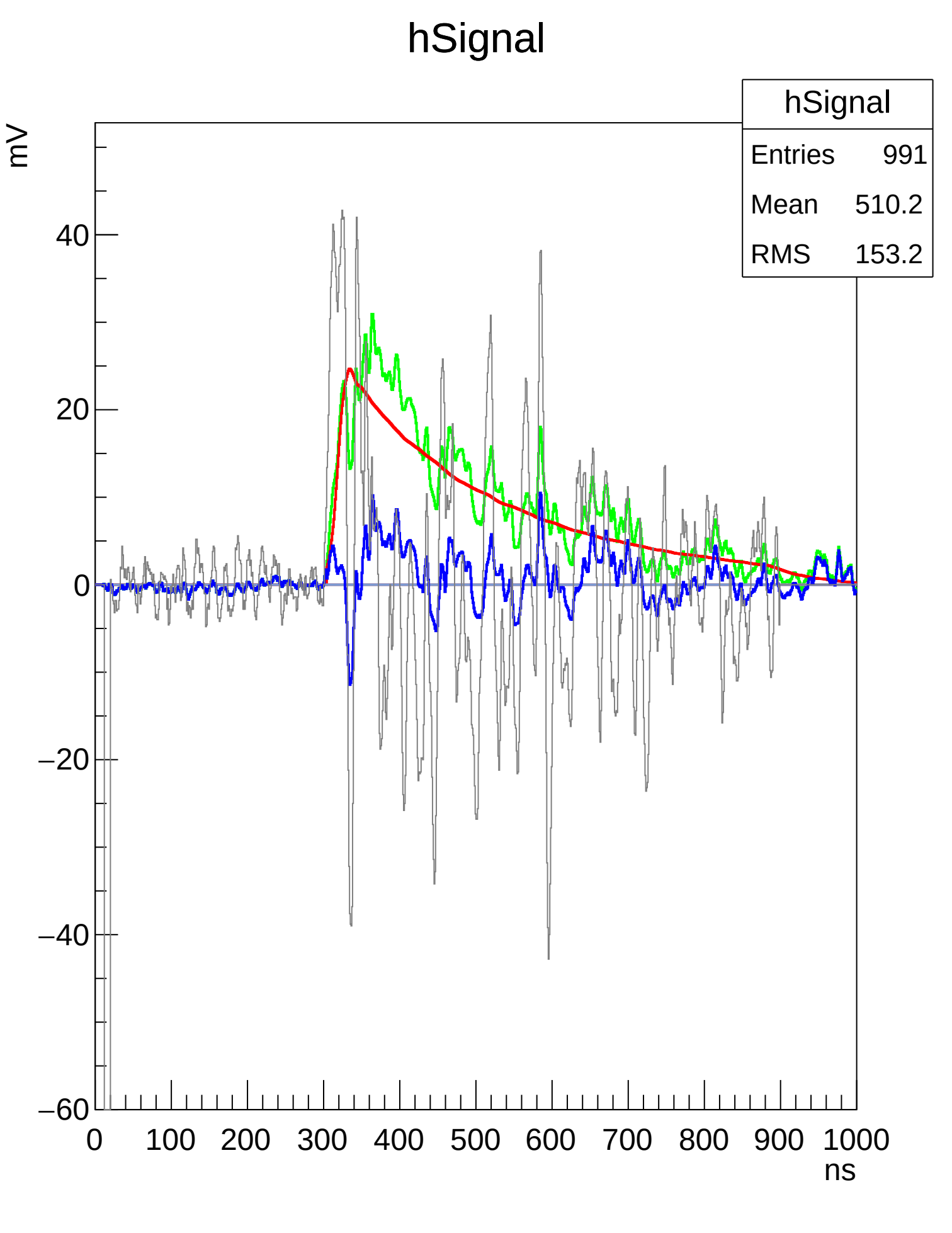
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.2
RMS 153.2
mV
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0
−20
−40
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0
100
200
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400
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600
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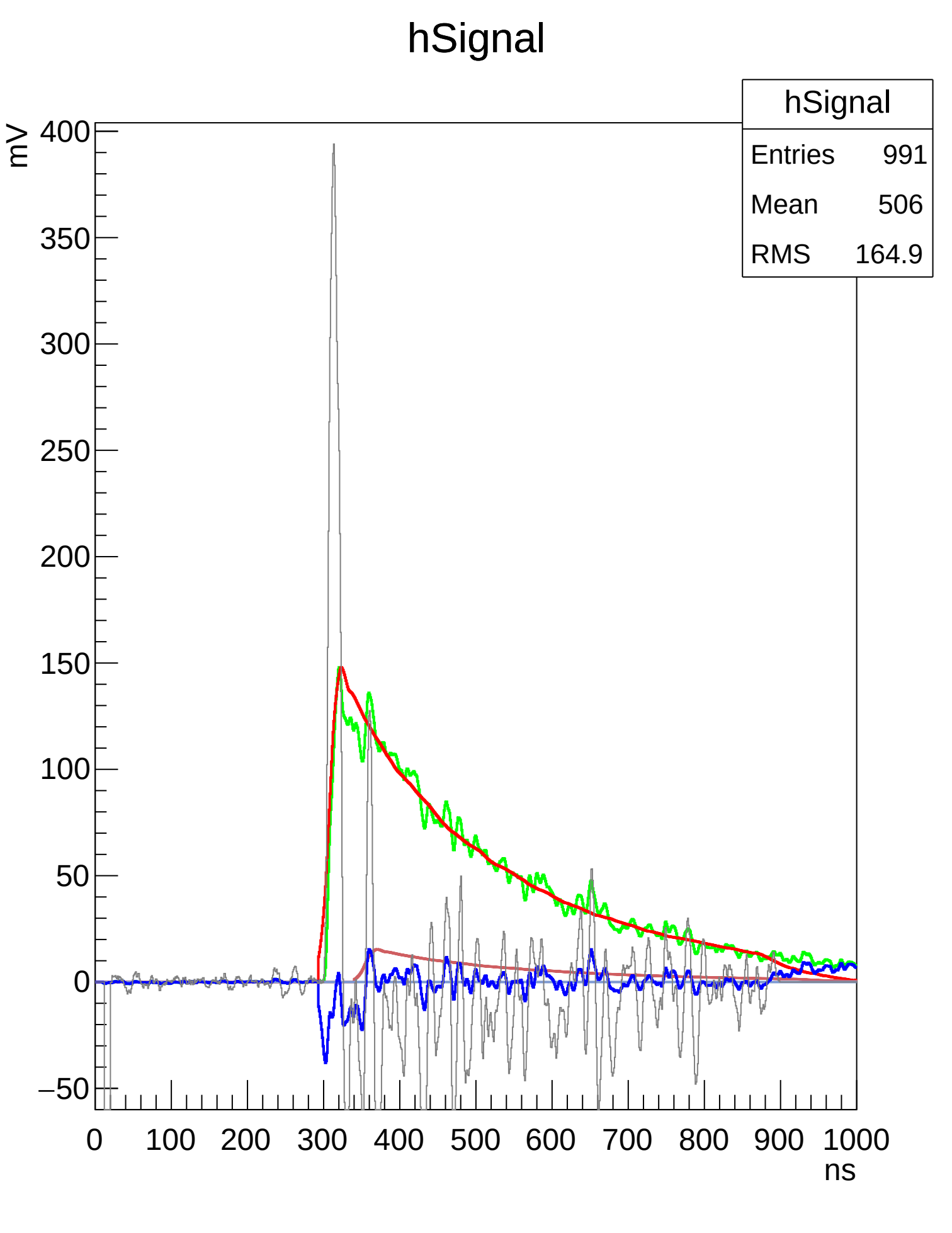
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506
RMS 164.9
mV
400
350
300
250
200
150
100
50
0
−50
0
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200
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400
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600
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800
900
1000
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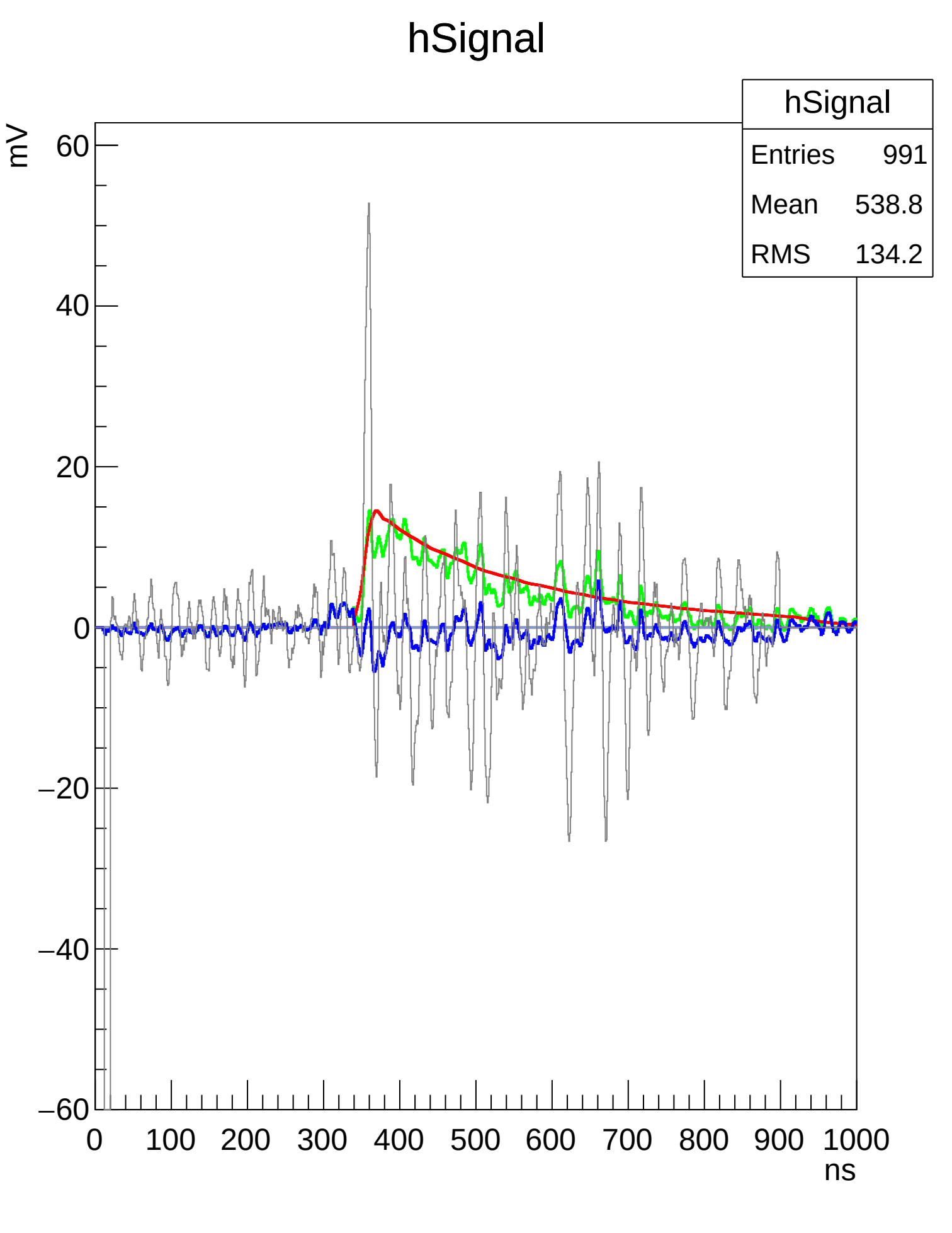
hSignal
hSignal
Entries 991
Mean 538.8
RMS 134.2
mV
60
40
20
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−20
−40
−60
0
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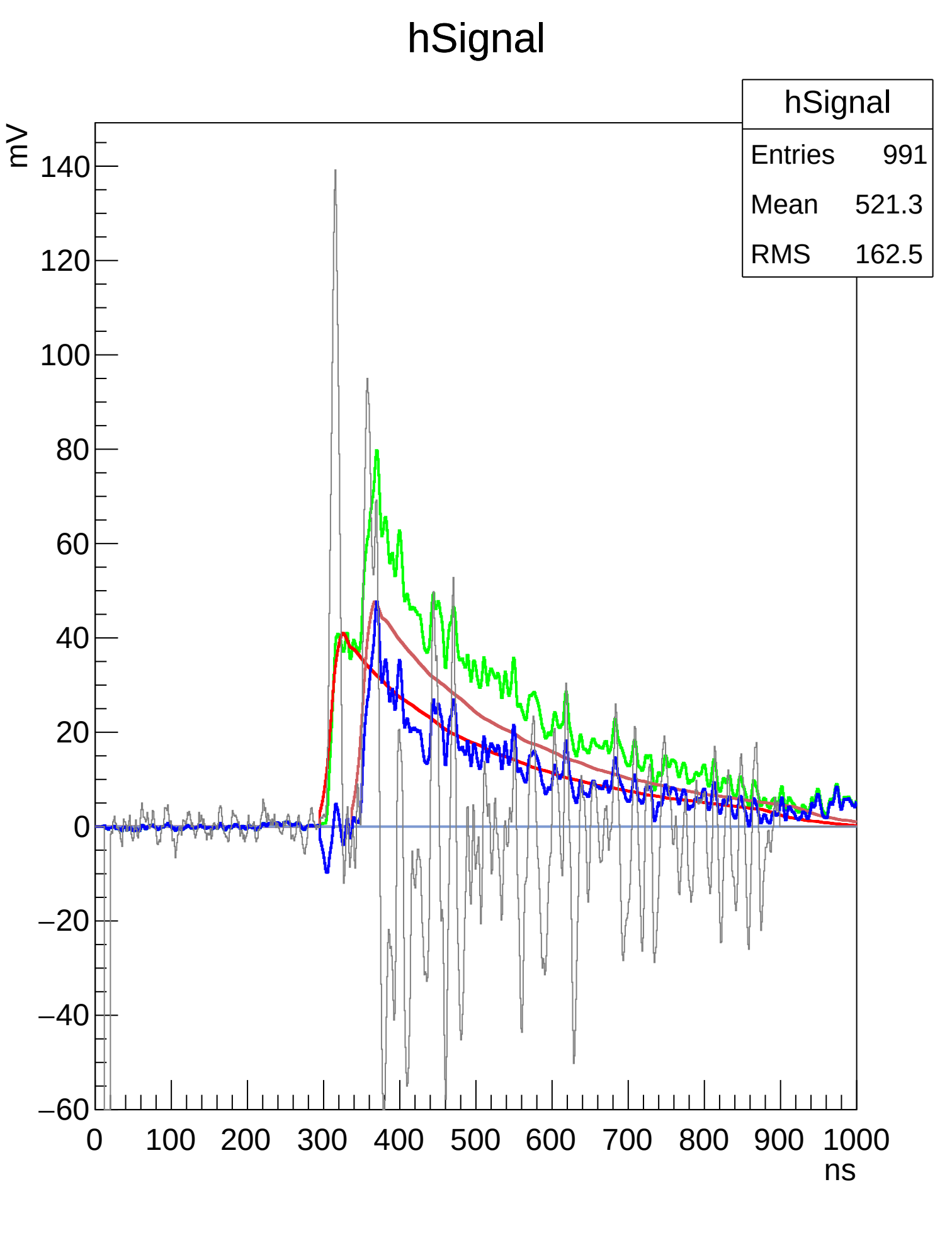
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.3
RMS 162.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
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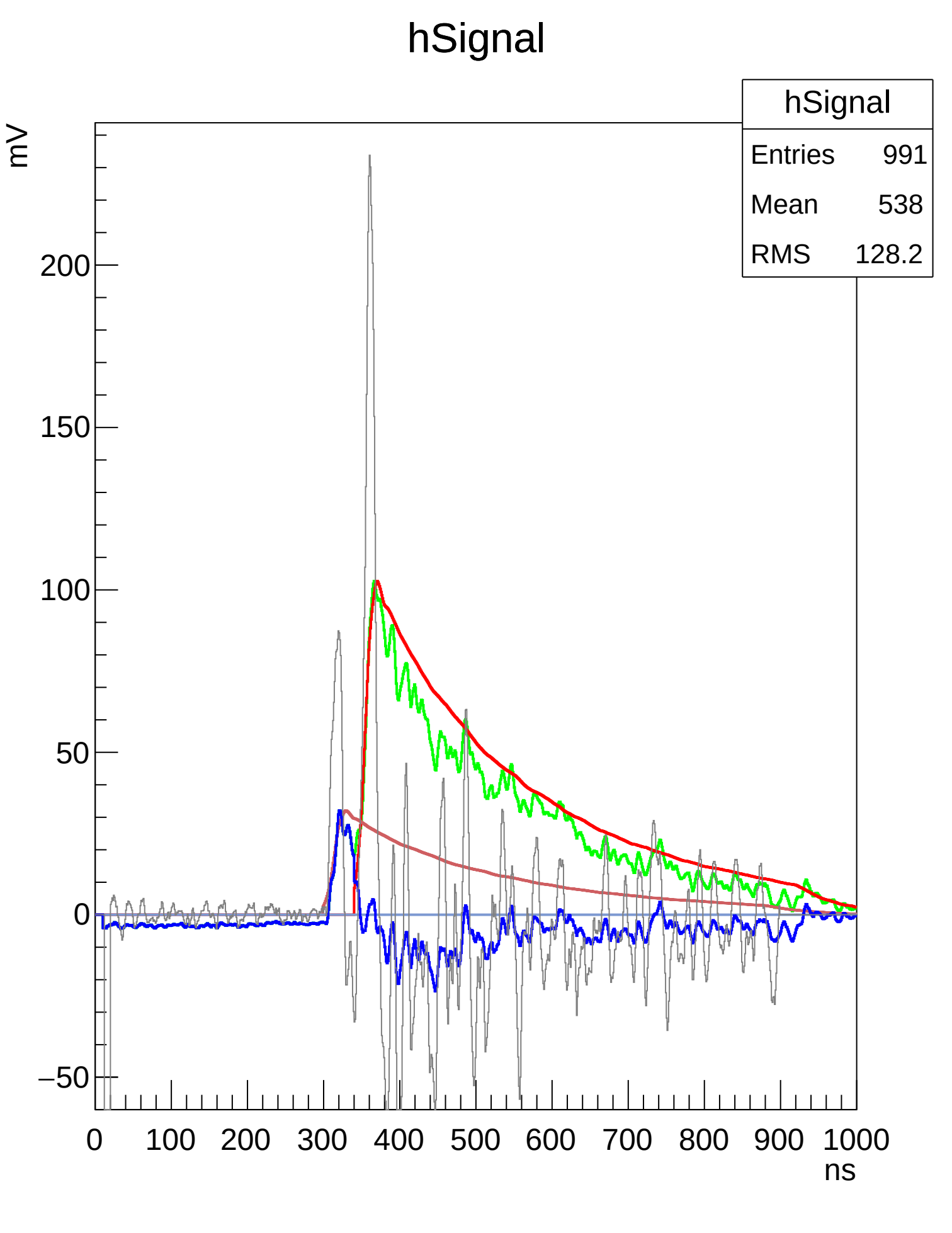
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538
RMS 128.2
mV
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100
50
0
−50
0
100
200
300
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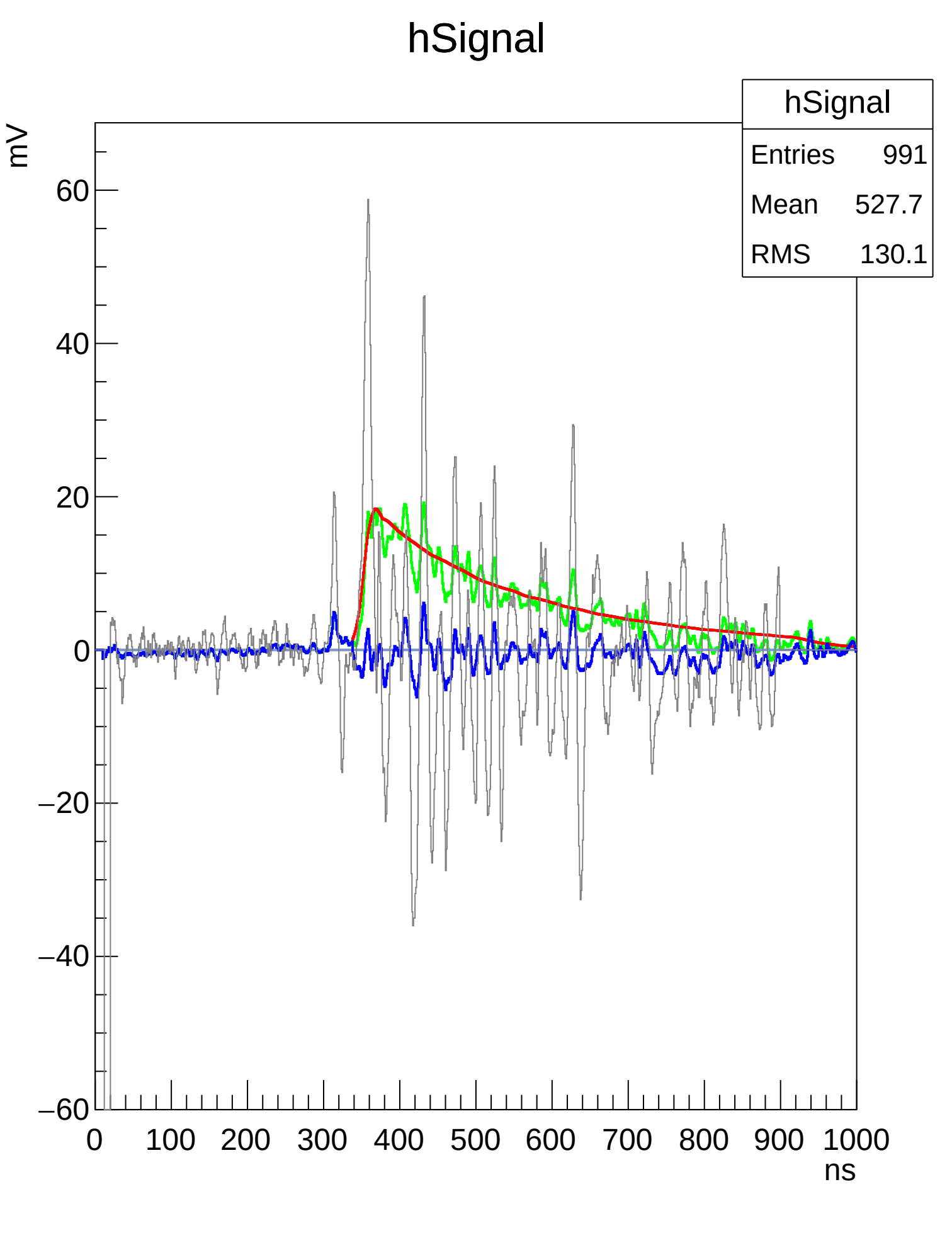
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.7
RMS 130.1
mV
60
40
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−20
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0
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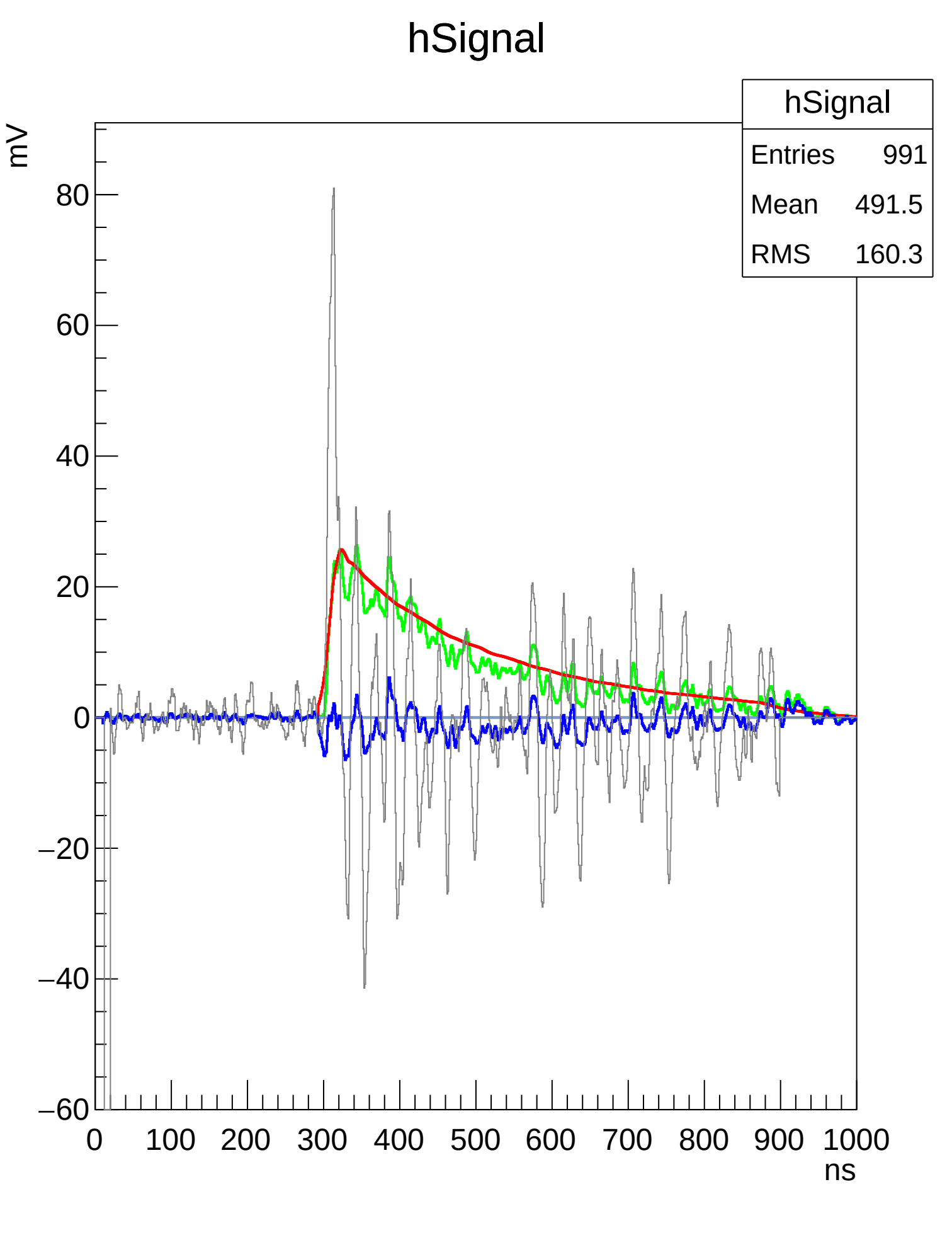
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.5
RMS 160.3
mV
80
60
40
20
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−20
−40
−60
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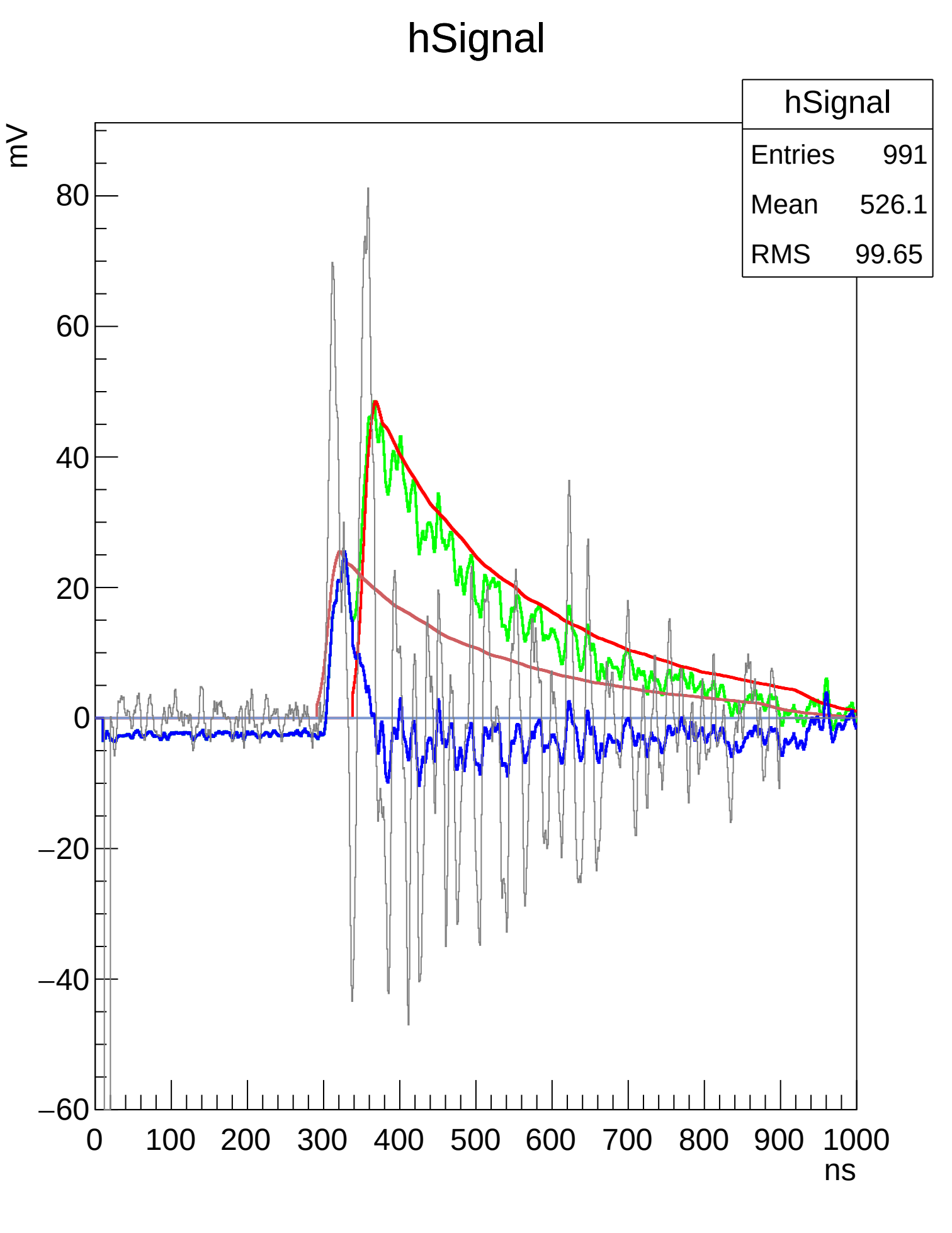
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.1
RMS 99.65
mV
80
60
40
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−20
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600
700
800
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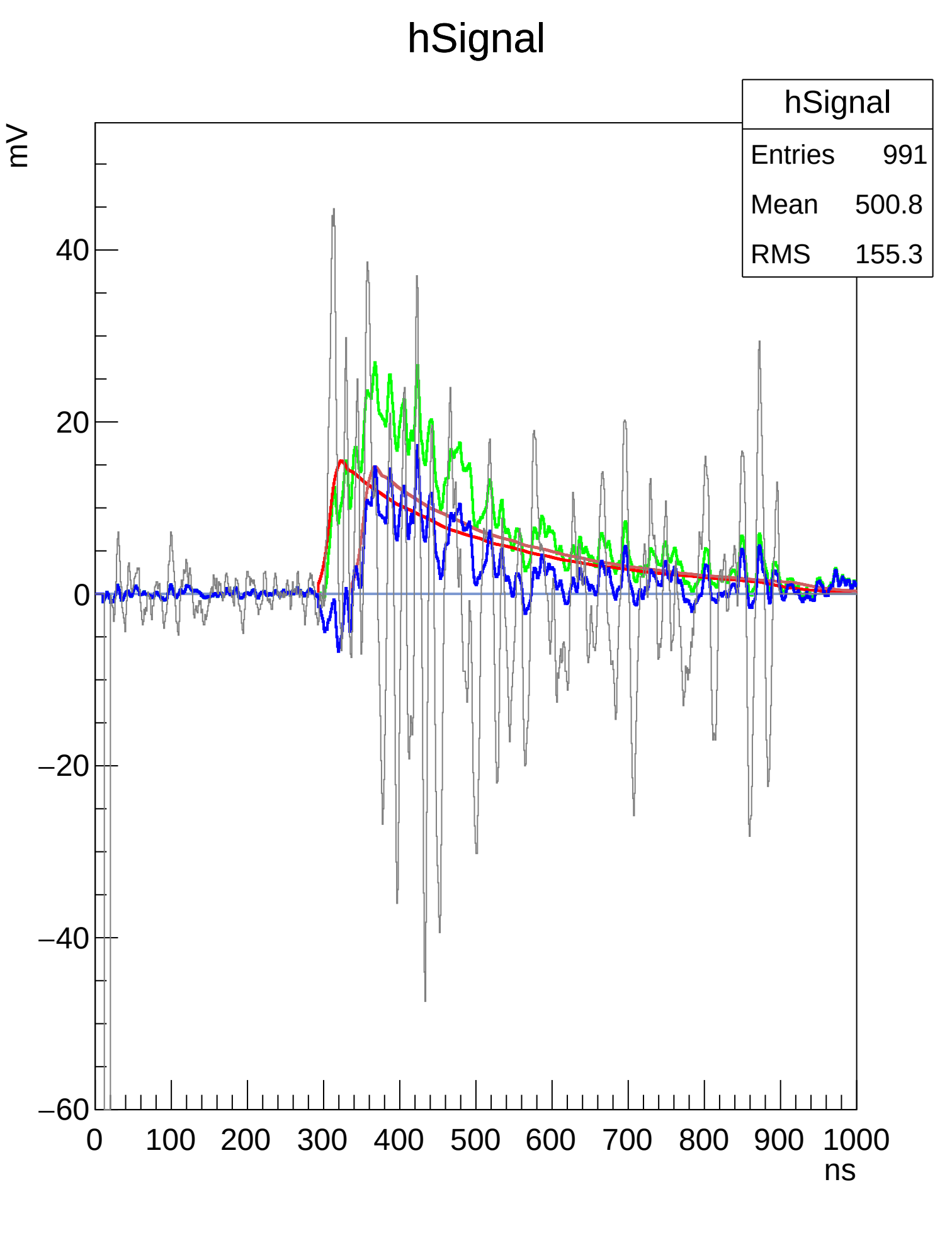
1000
ns


hSignal
hSignal
Entries 991
Mean 500.8
RMS 155.3
mV
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20
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−20
−40
−60
0
100
200
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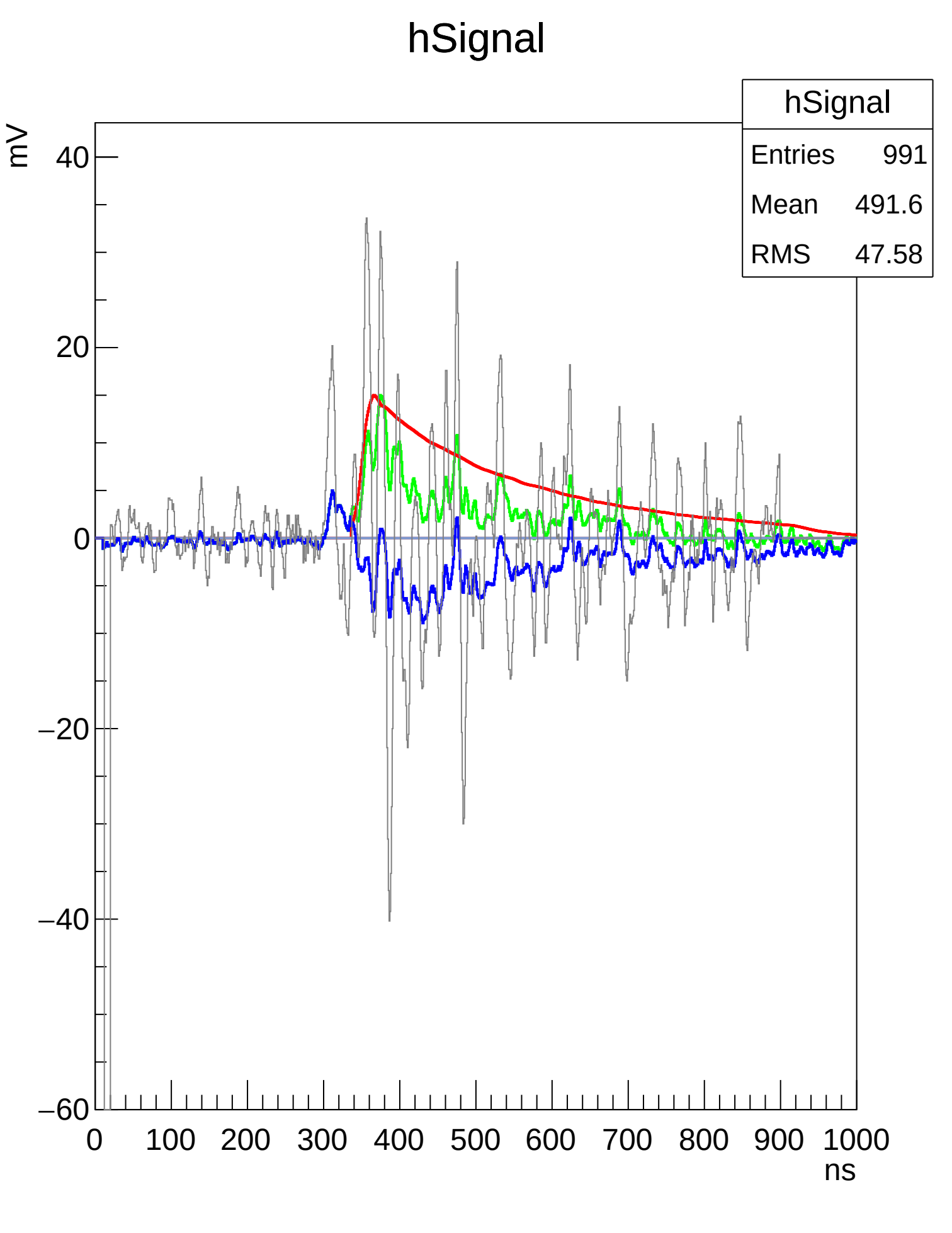
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.6
RMS 47.58
mV
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−20
−40
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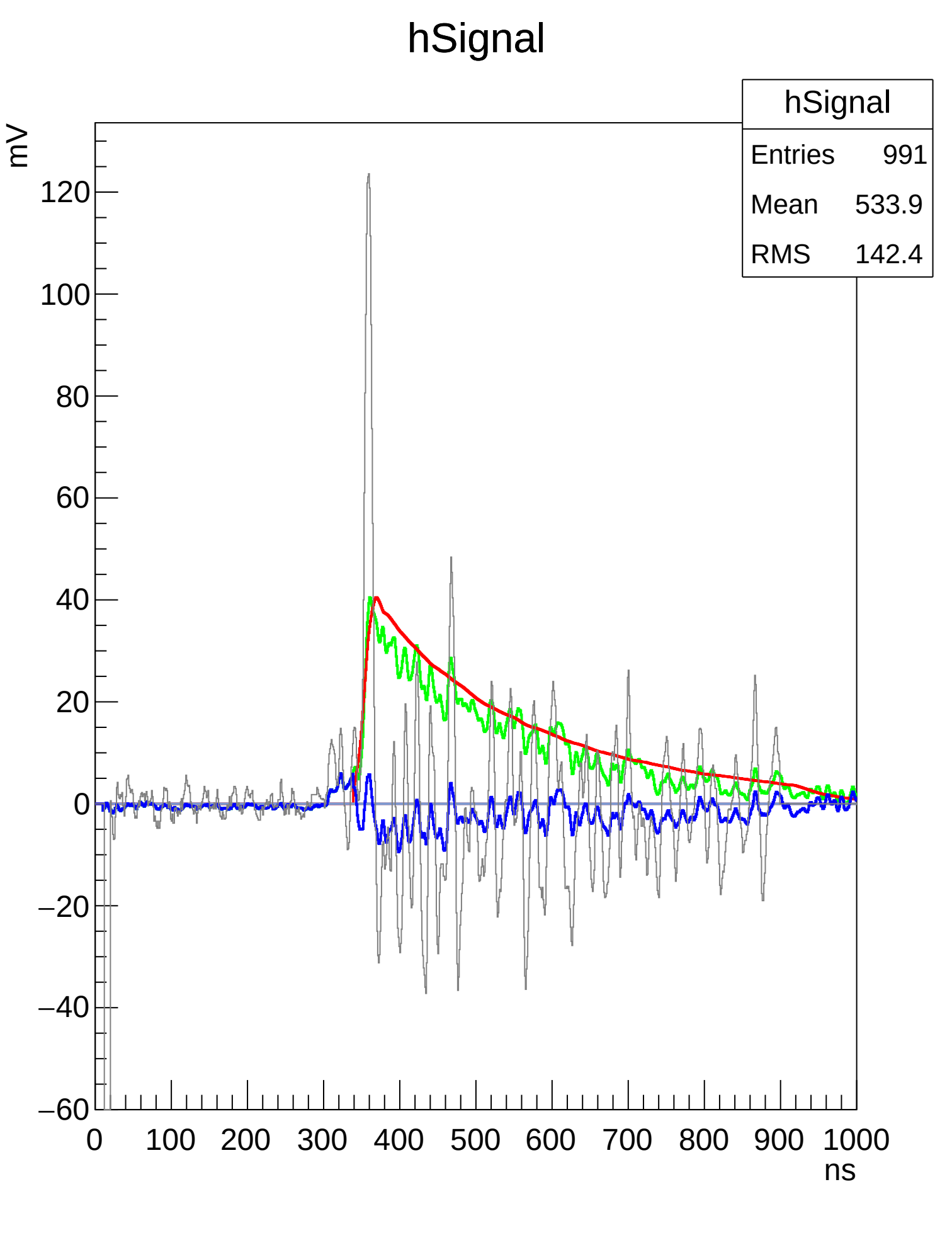
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.9
RMS 142.4
mV
120
100
80
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−20
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0
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200
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400
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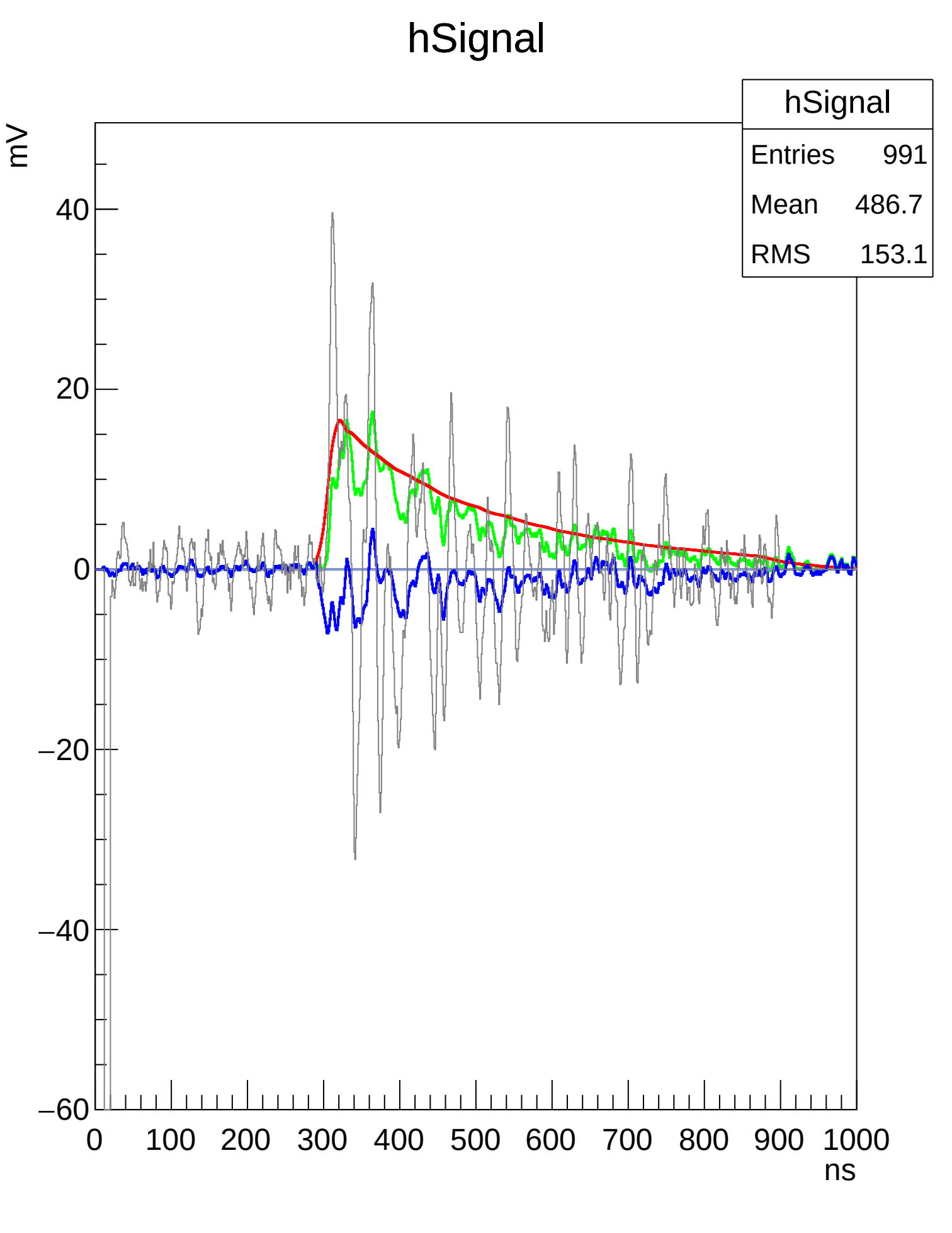
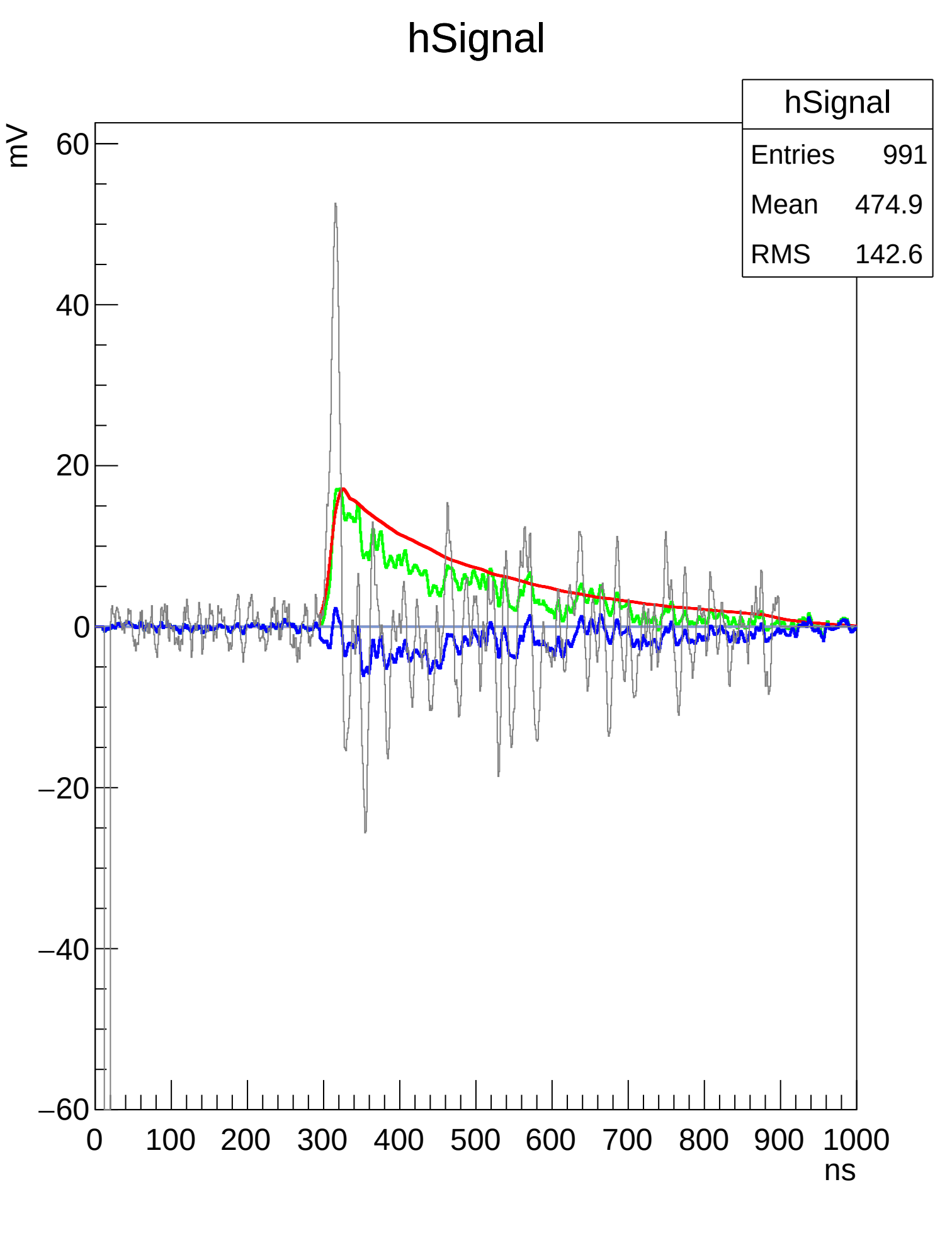
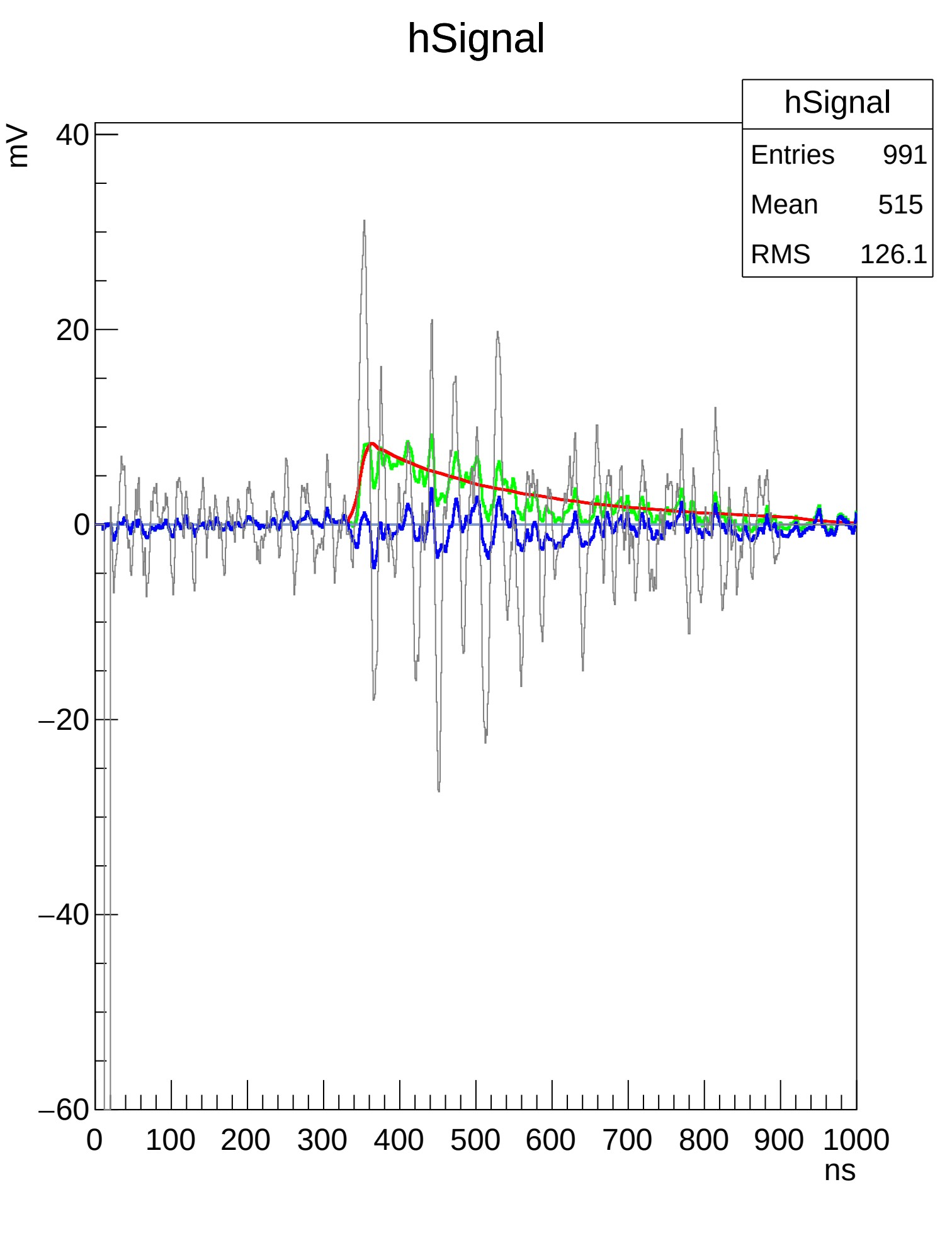
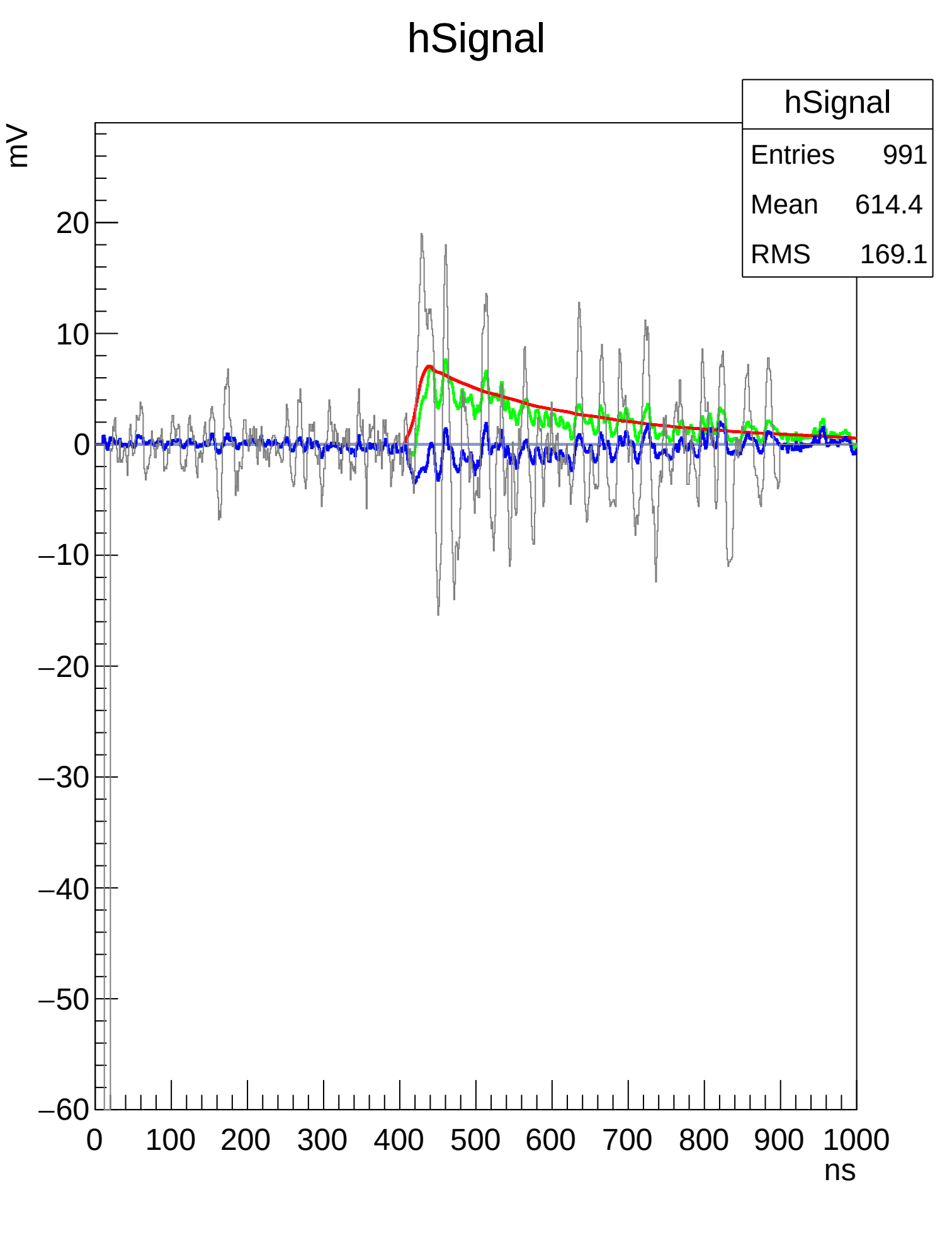
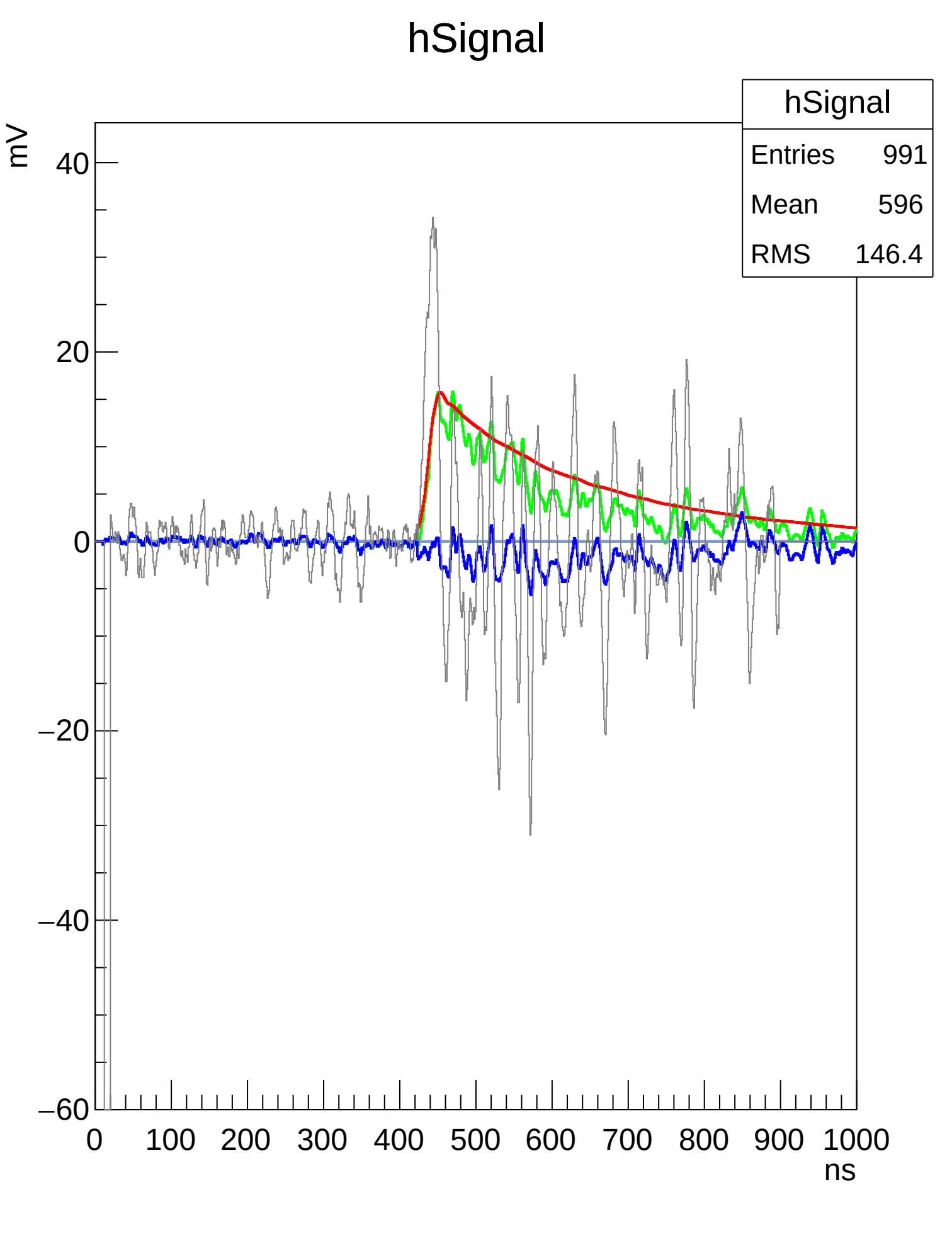
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.7
RMS 153.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 474.9
RMS 142.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515
RMS 126.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.4
RMS 169.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596
RMS 146.4
mV
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−20
−40
−60
0
100
200
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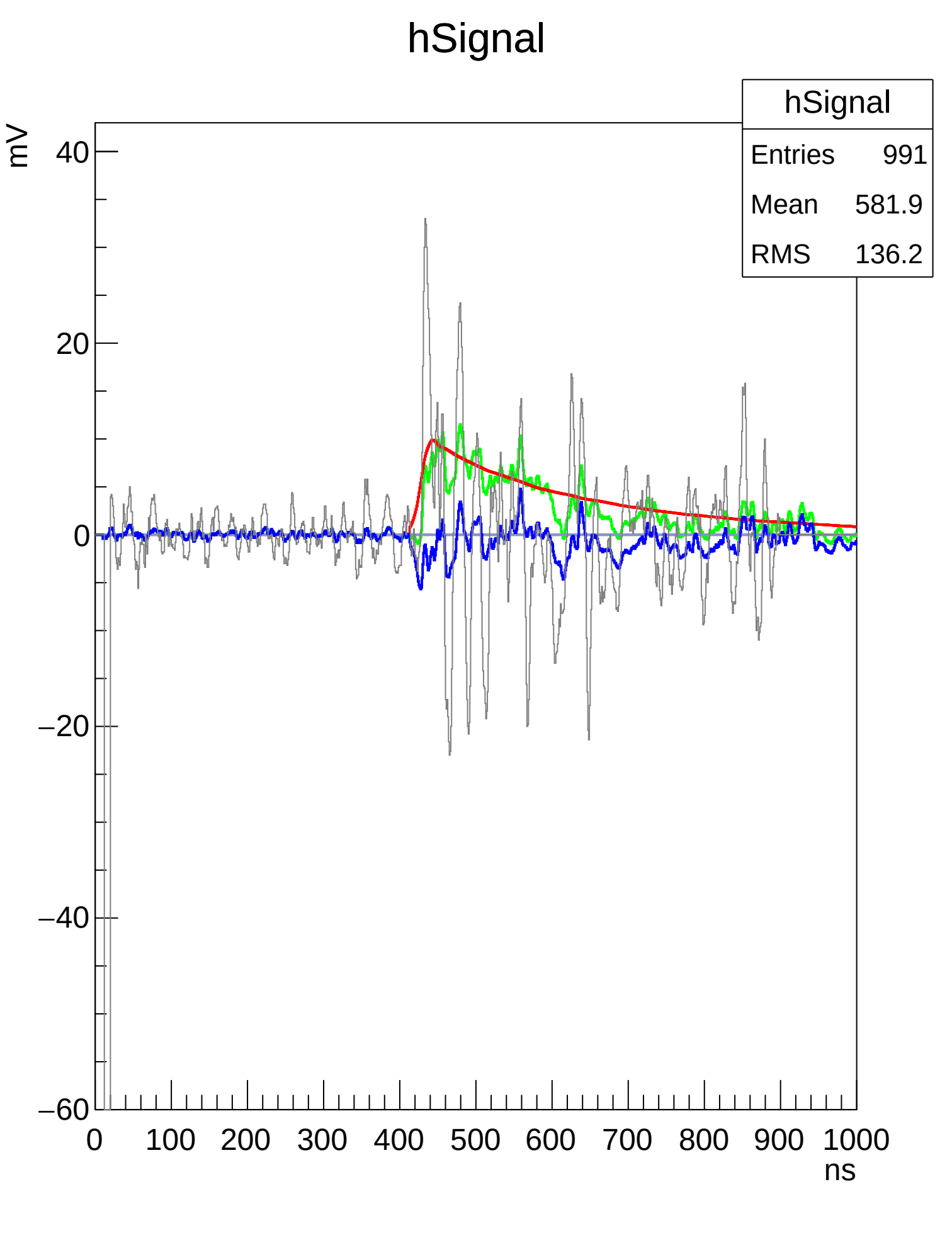
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.9
RMS 136.2
mV
40
20
0
−20
−40
−60
0
100
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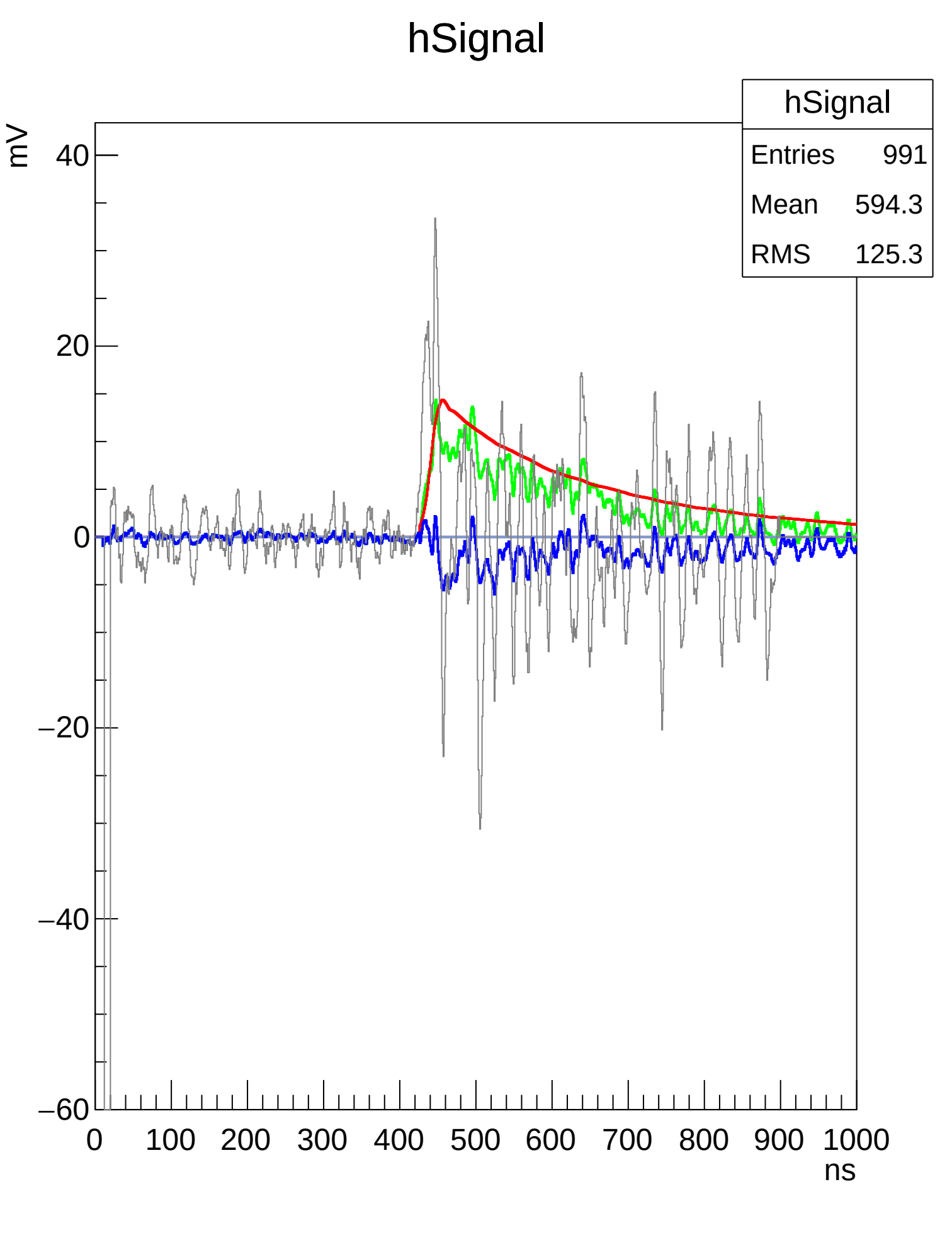
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.3
RMS 125.3
mV
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20
0
−20
−40
−60
0
100
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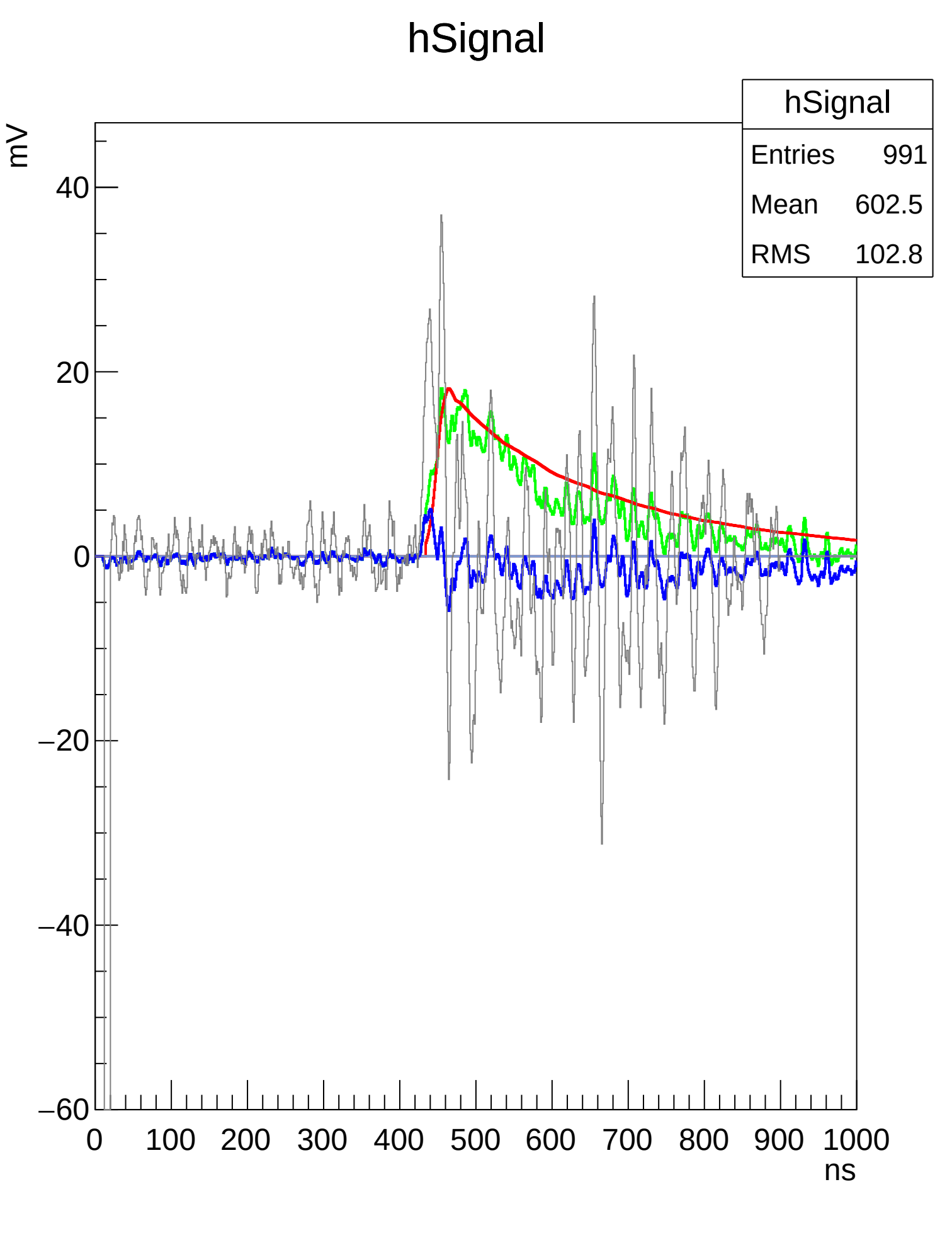
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 102.8
mV
40
20
0
−20
−40
−60
0
100
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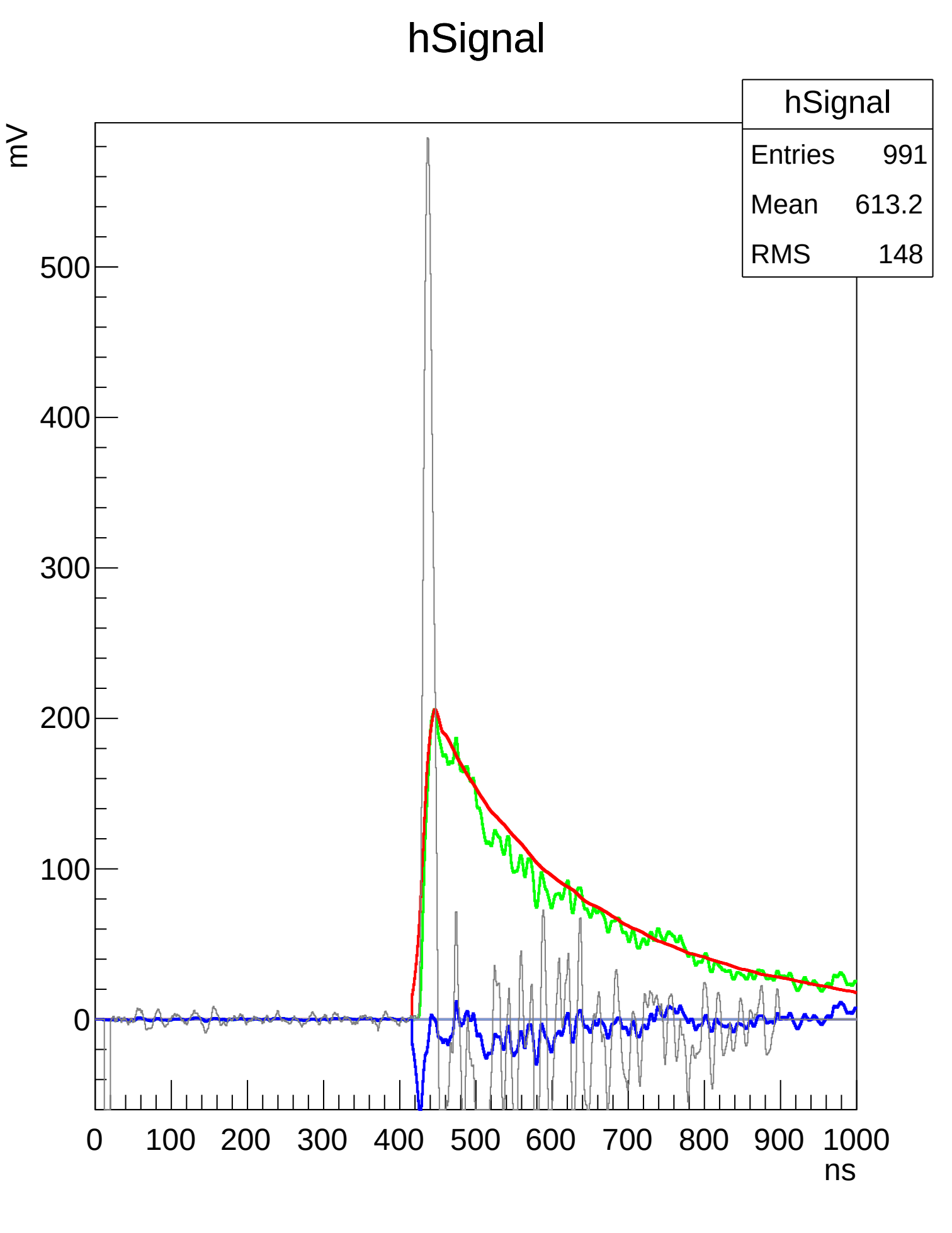
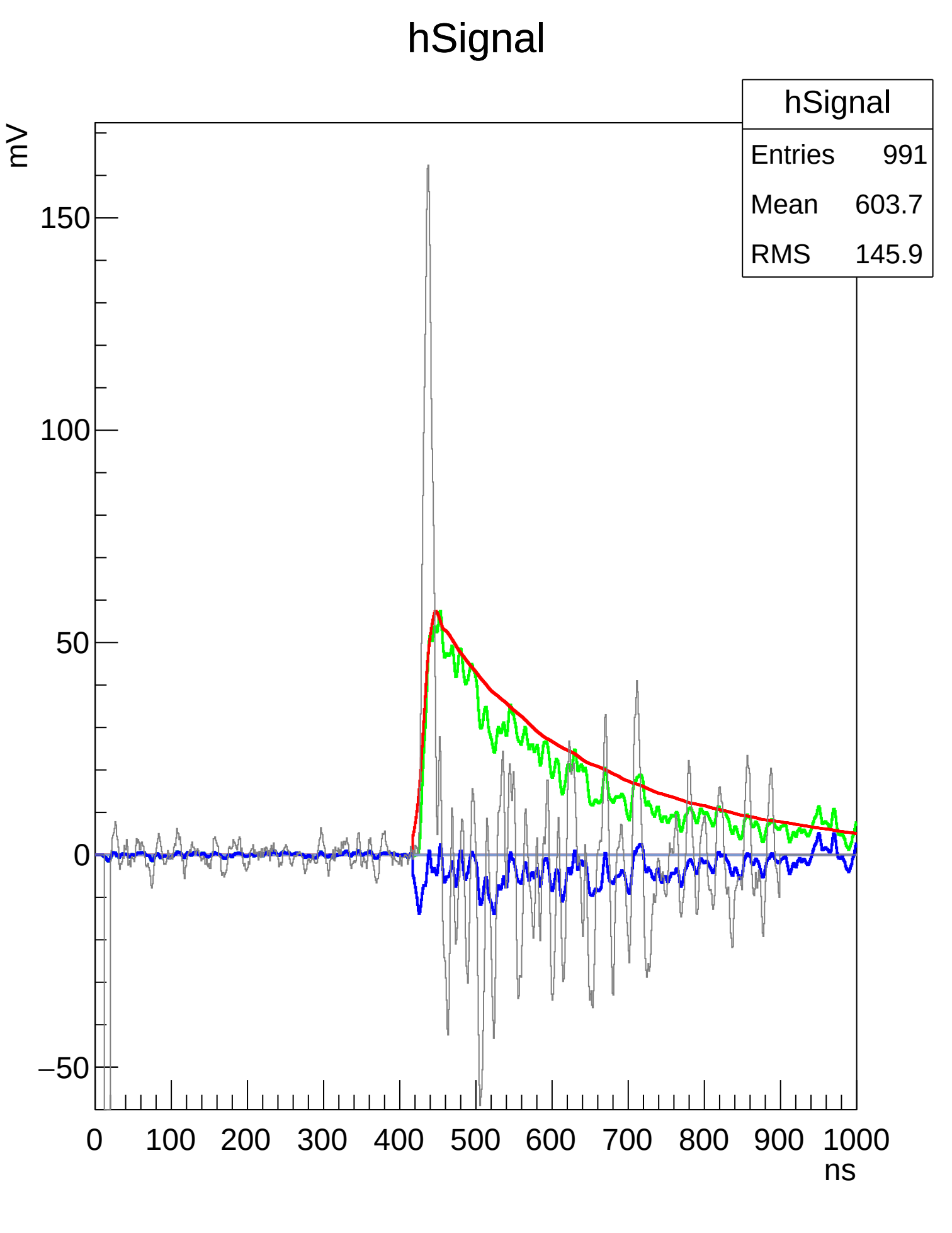
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.2
RMS 148
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 603.7
RMS 145.9
mV
150
100
50
0
−50
0
100
200
300
400
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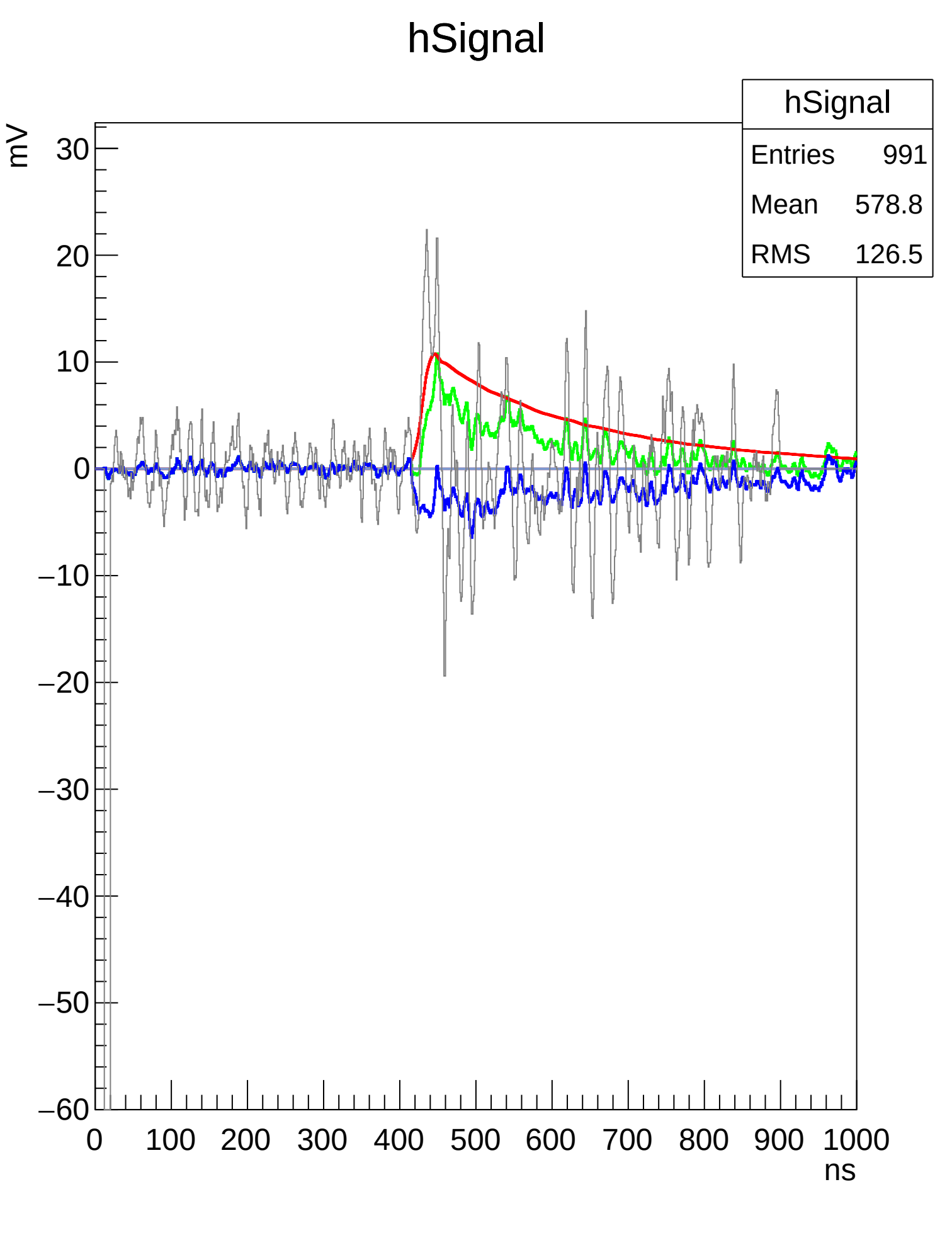
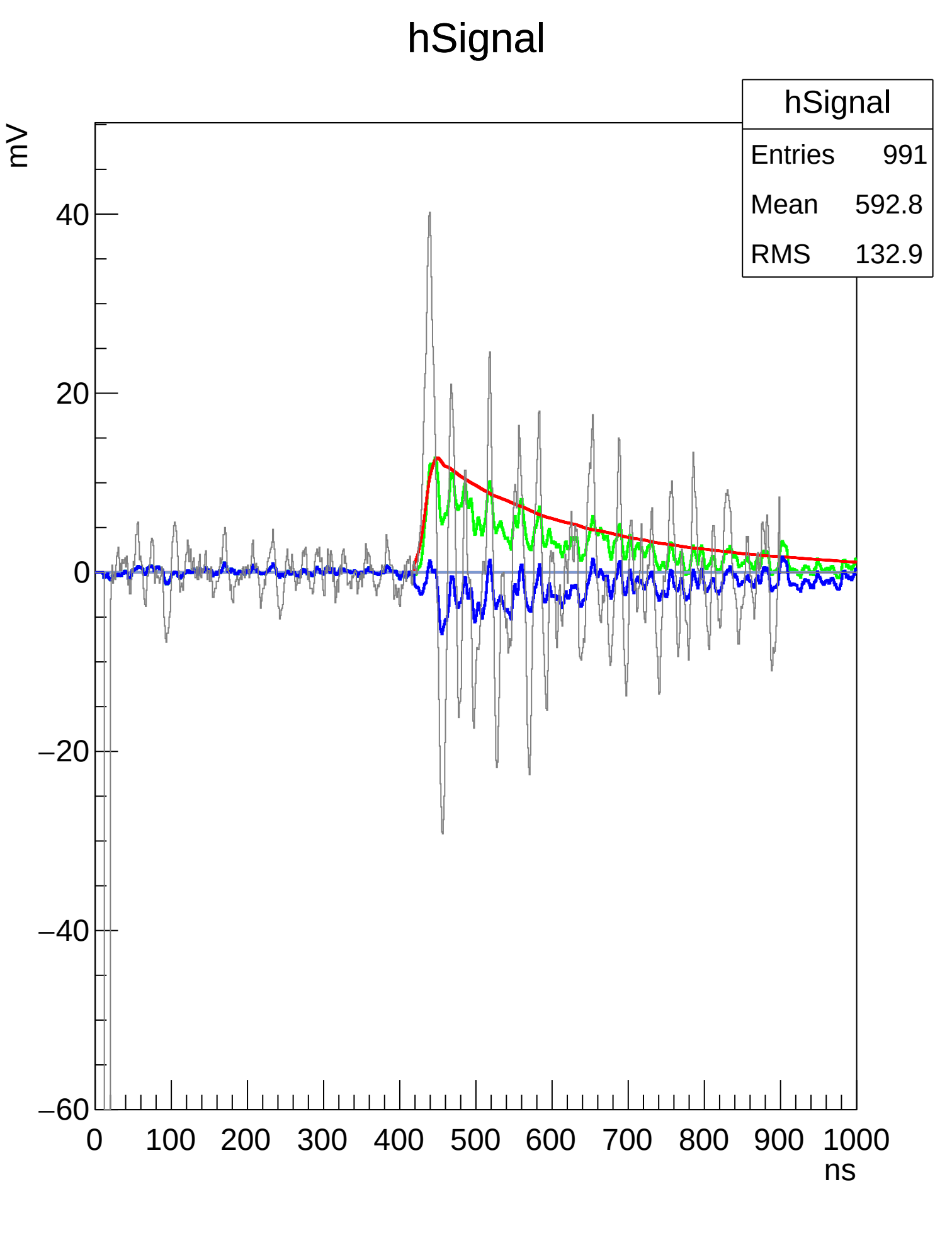
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.8
RMS 126.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.8
RMS 132.9
mV
40
20
0
−20
−40
−60
0
100
200
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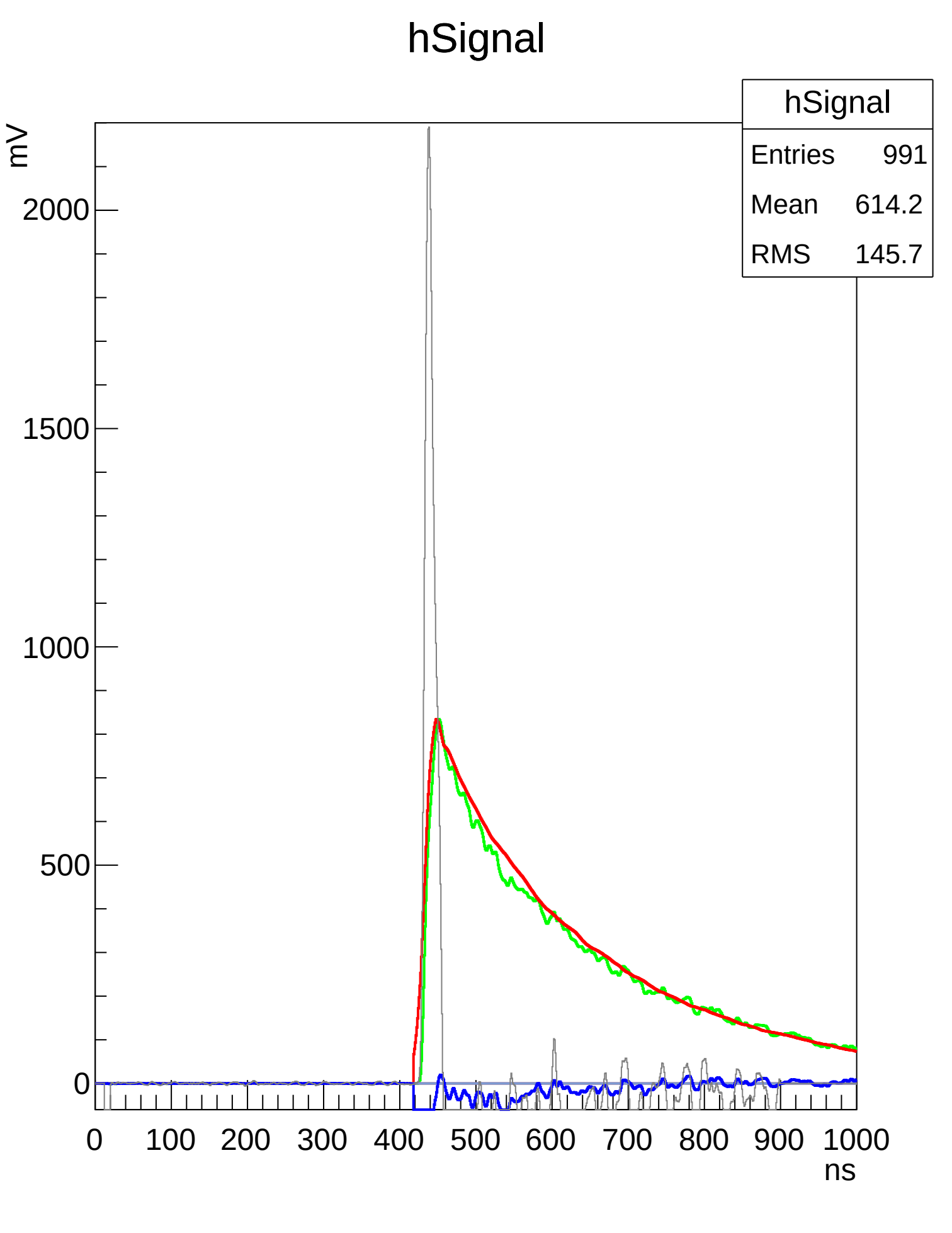
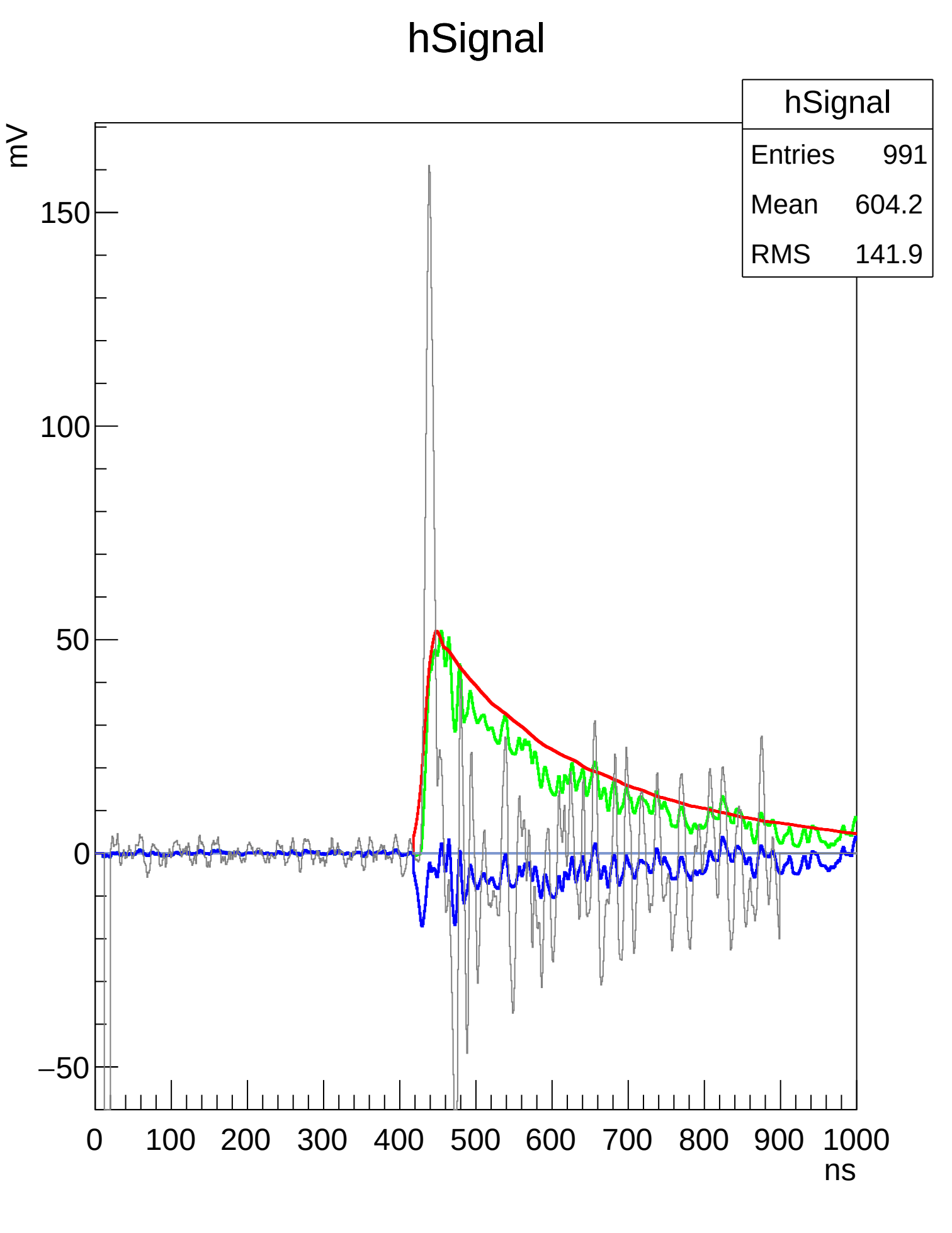
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.2
RMS 145.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 604.2
RMS 141.9
mV
150
100
50
0
−50
0
100
200
300
400
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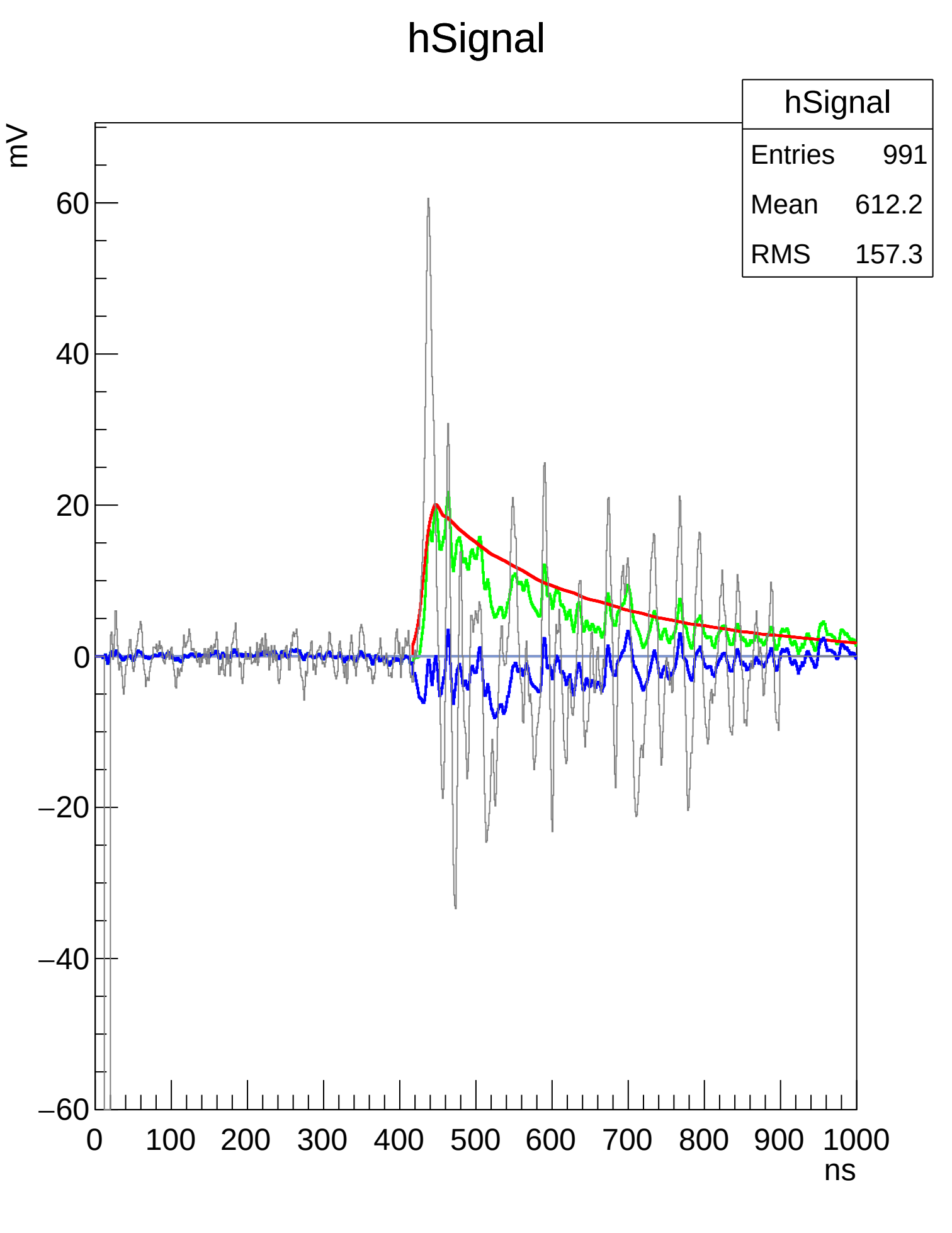
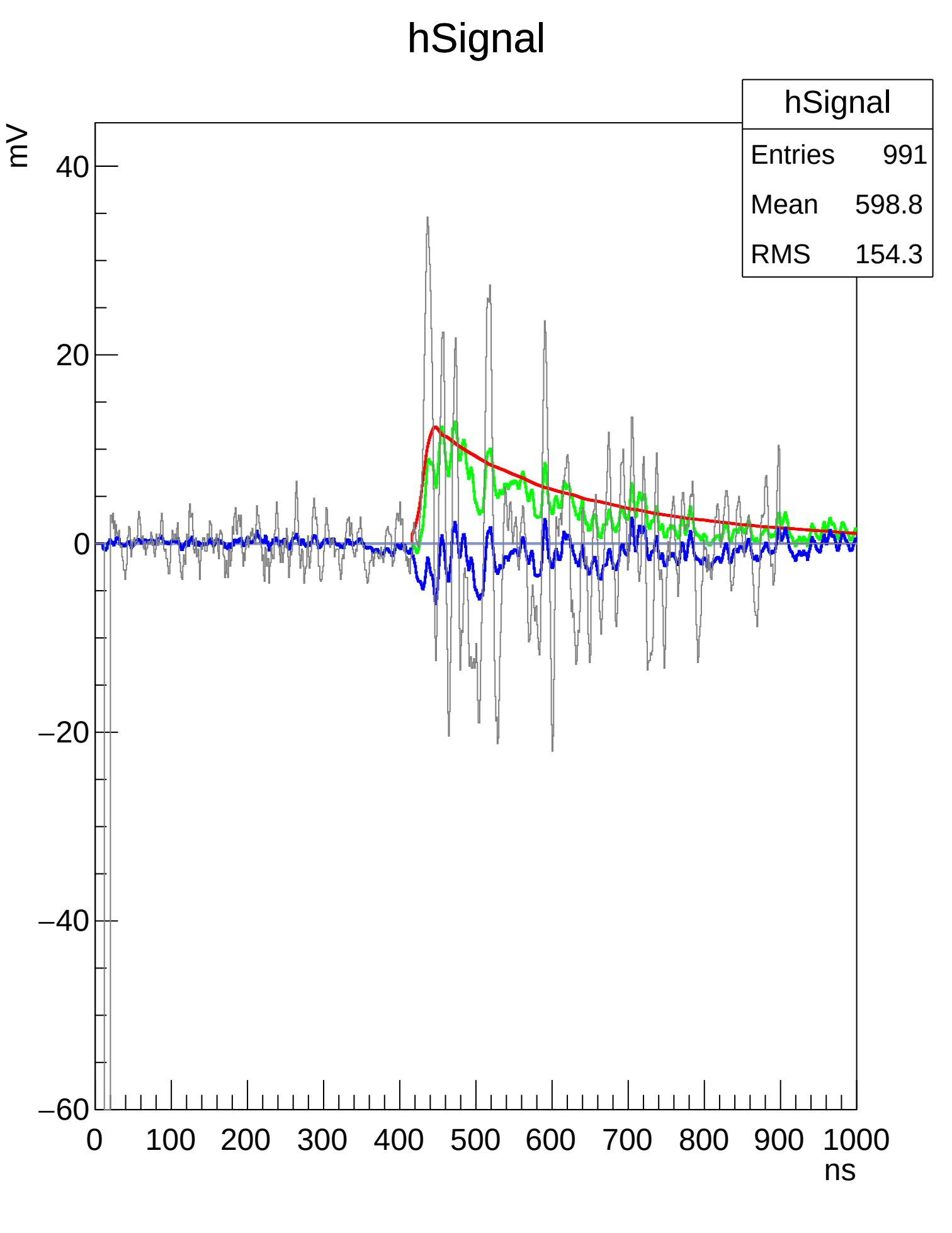
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.2
RMS 157.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.8
RMS 154.3
mV
40
20
0
−20
−40
−60
0
100
200
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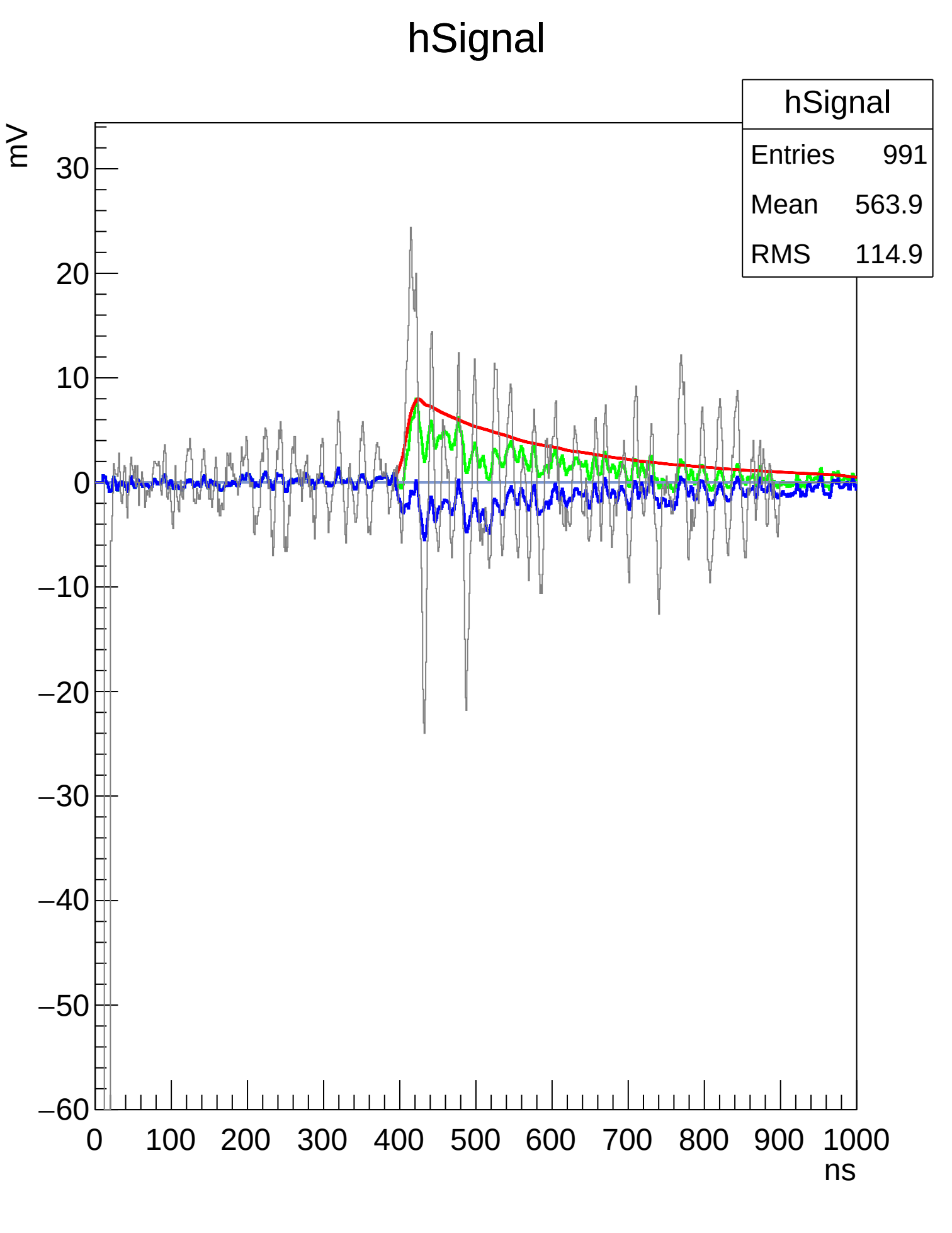
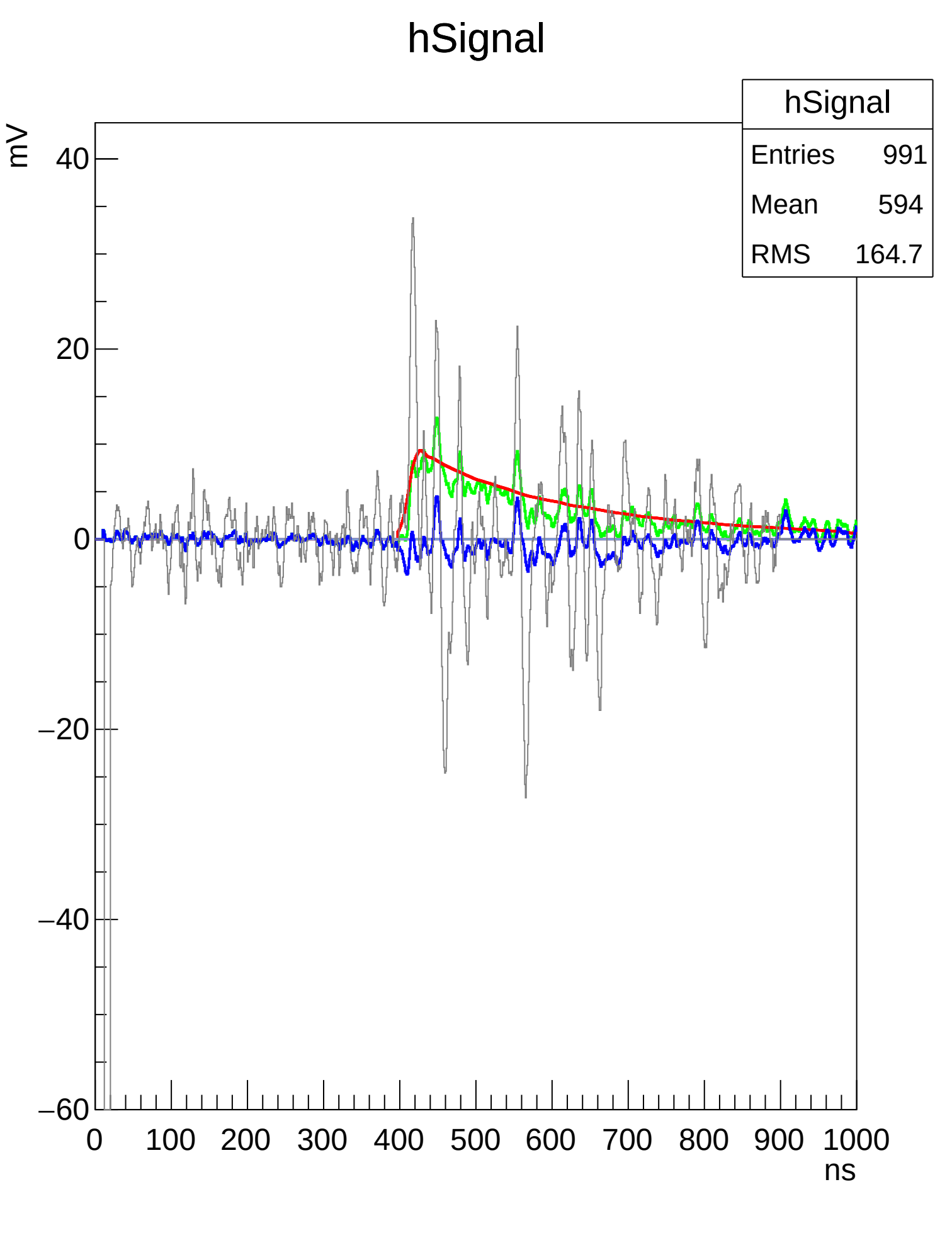
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.9
RMS 114.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594
RMS 164.7
mV
40
20
0
−20
−40
−60
0
100
200
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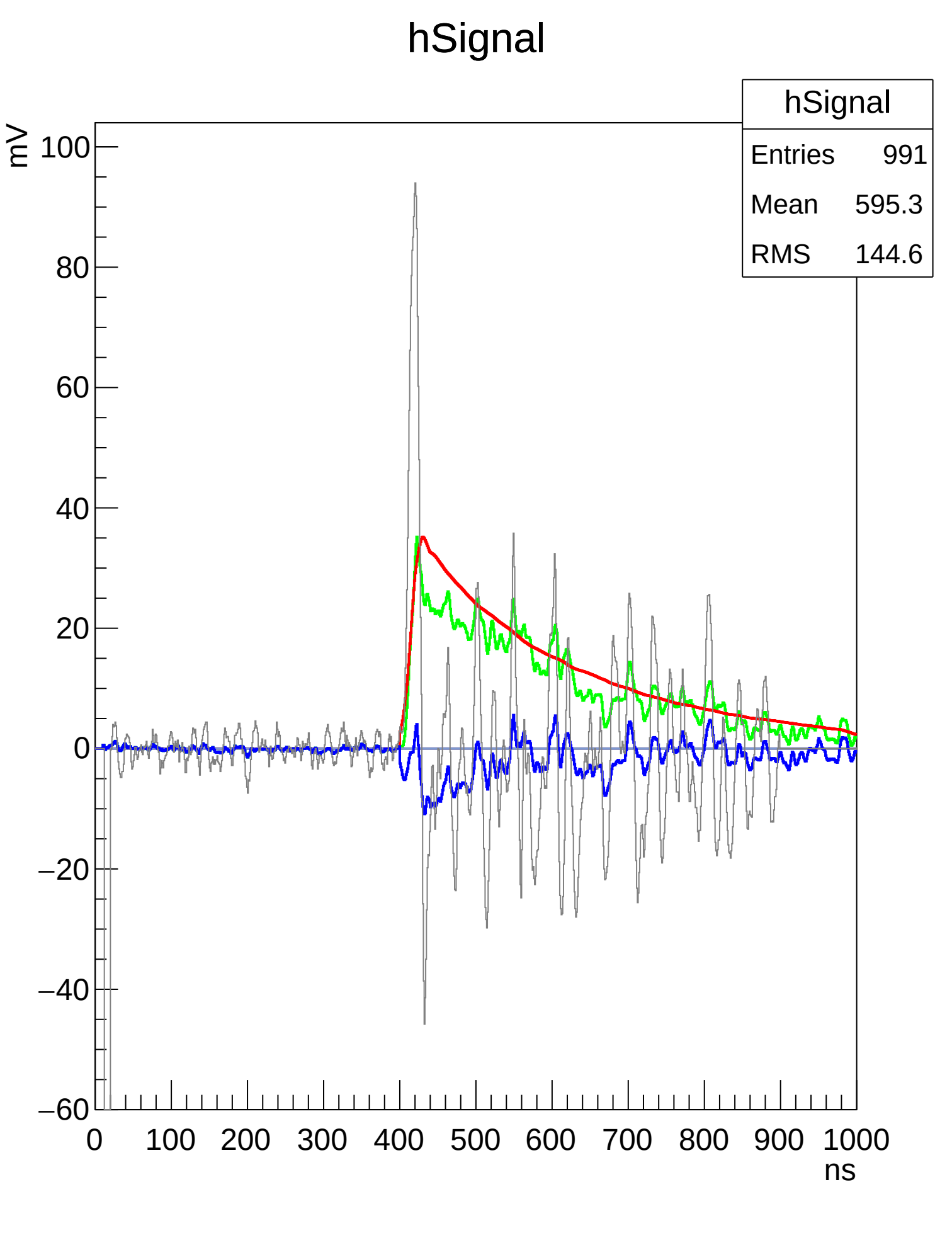
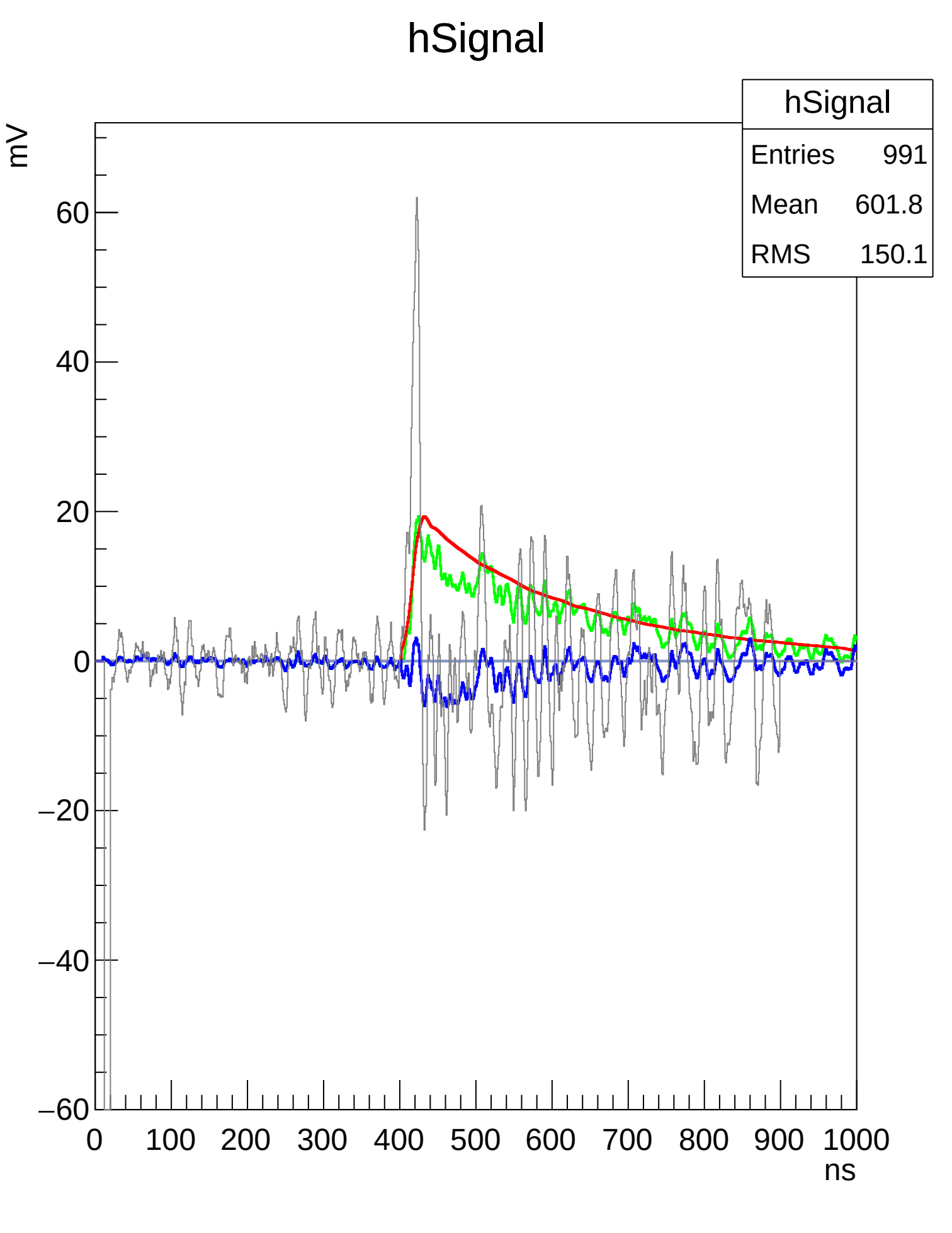
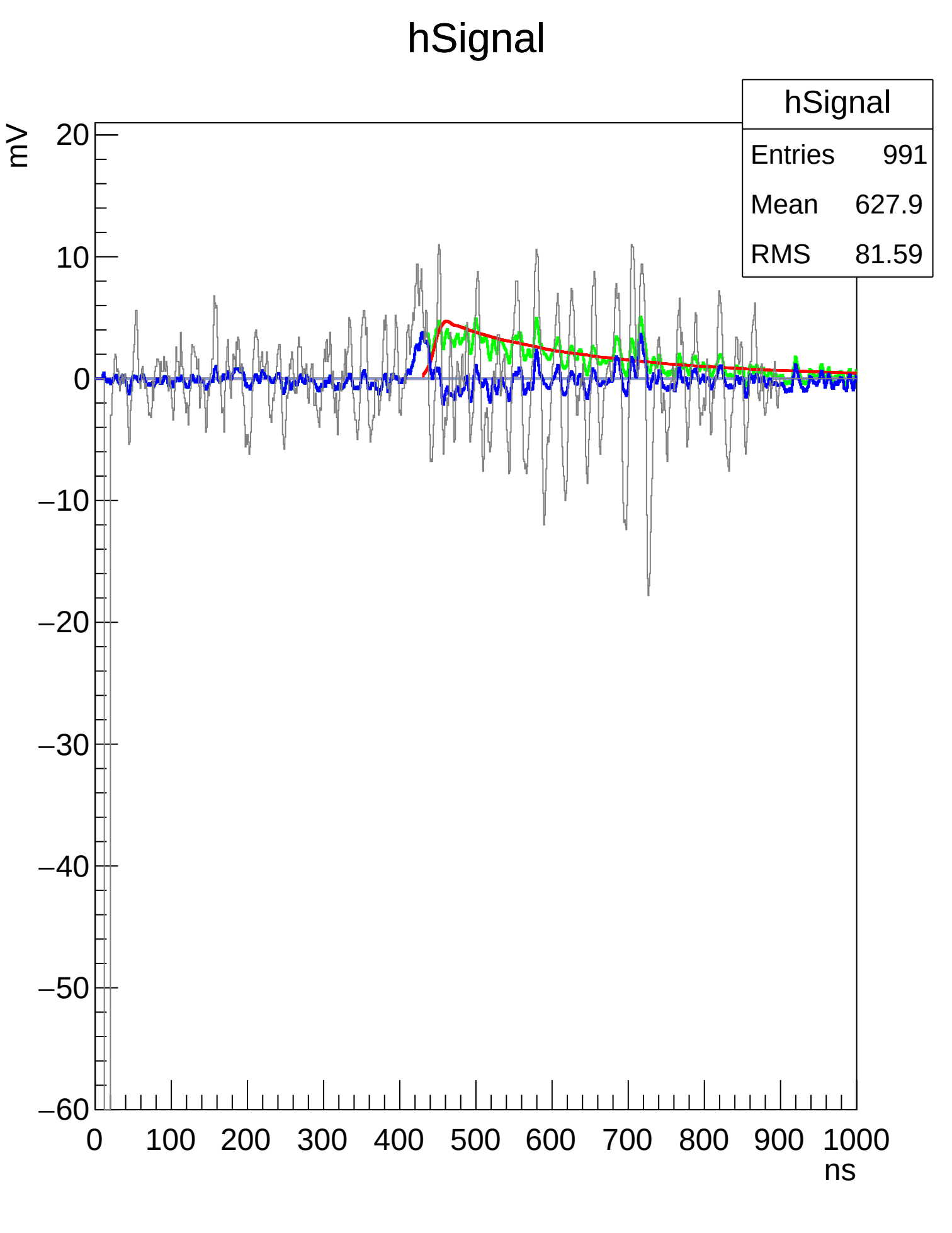
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.3
RMS 144.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.8
RMS 150.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.9
RMS 81.59
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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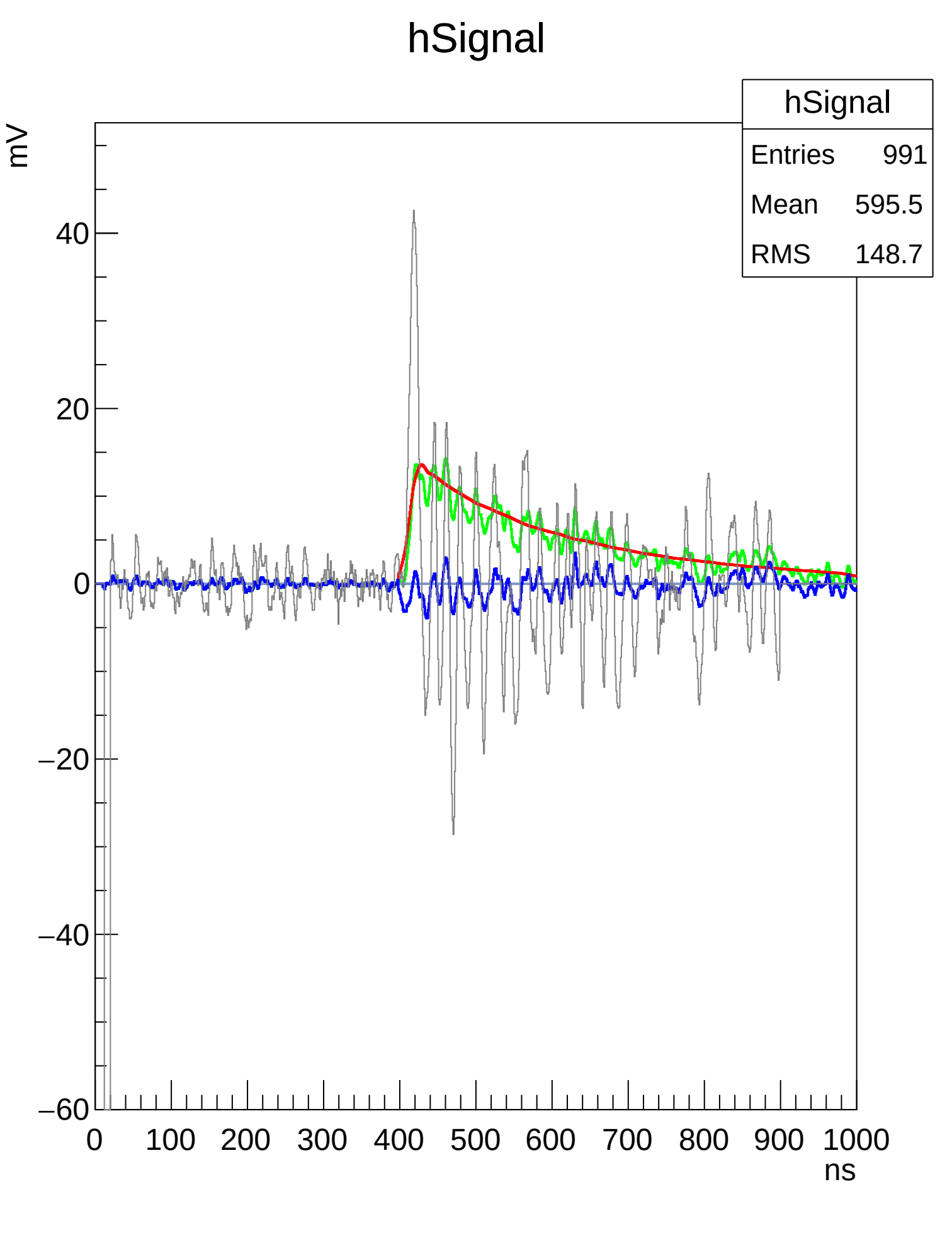
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.5
RMS 148.7
mV
40
20
0
−20
−40
−60
0
100
200
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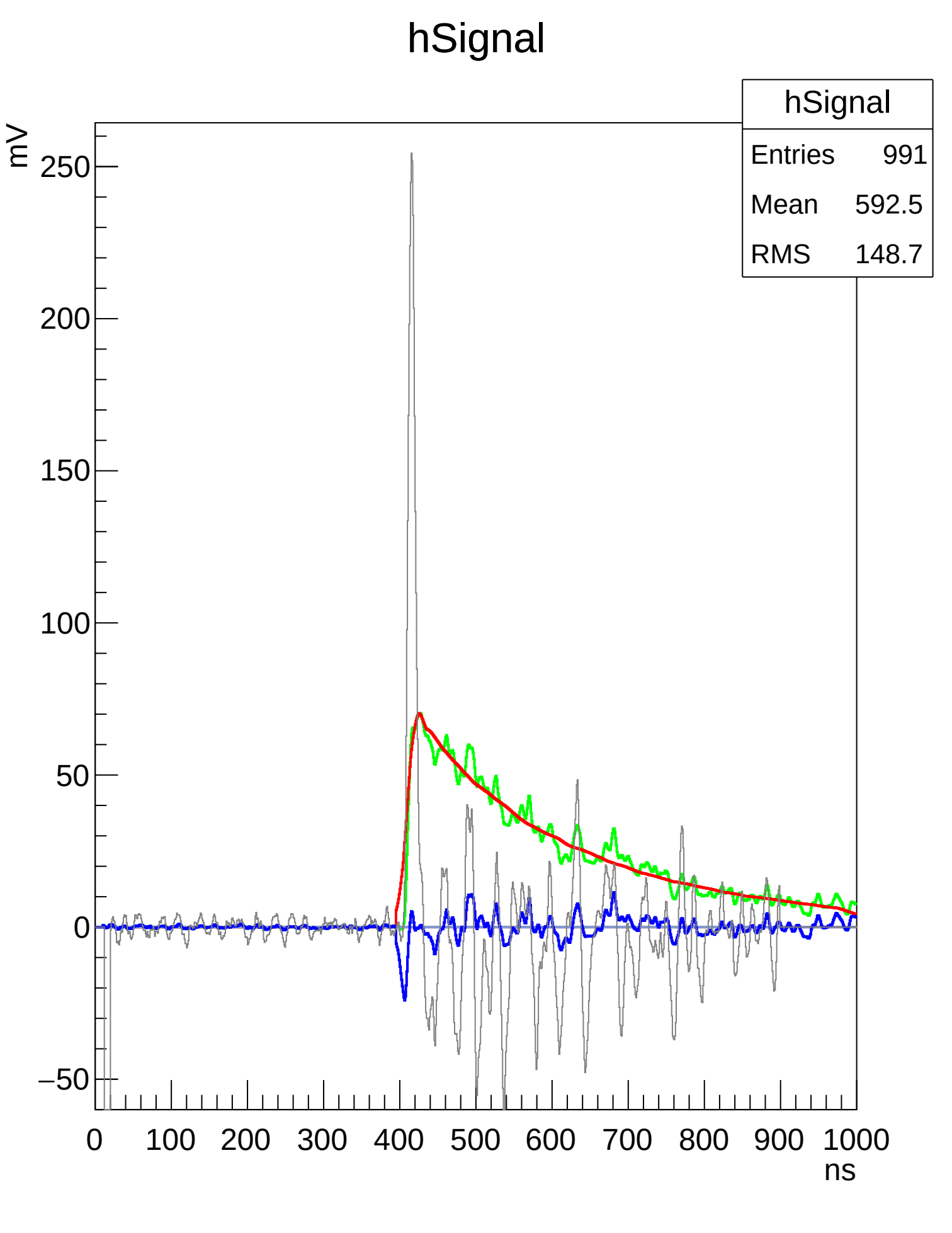
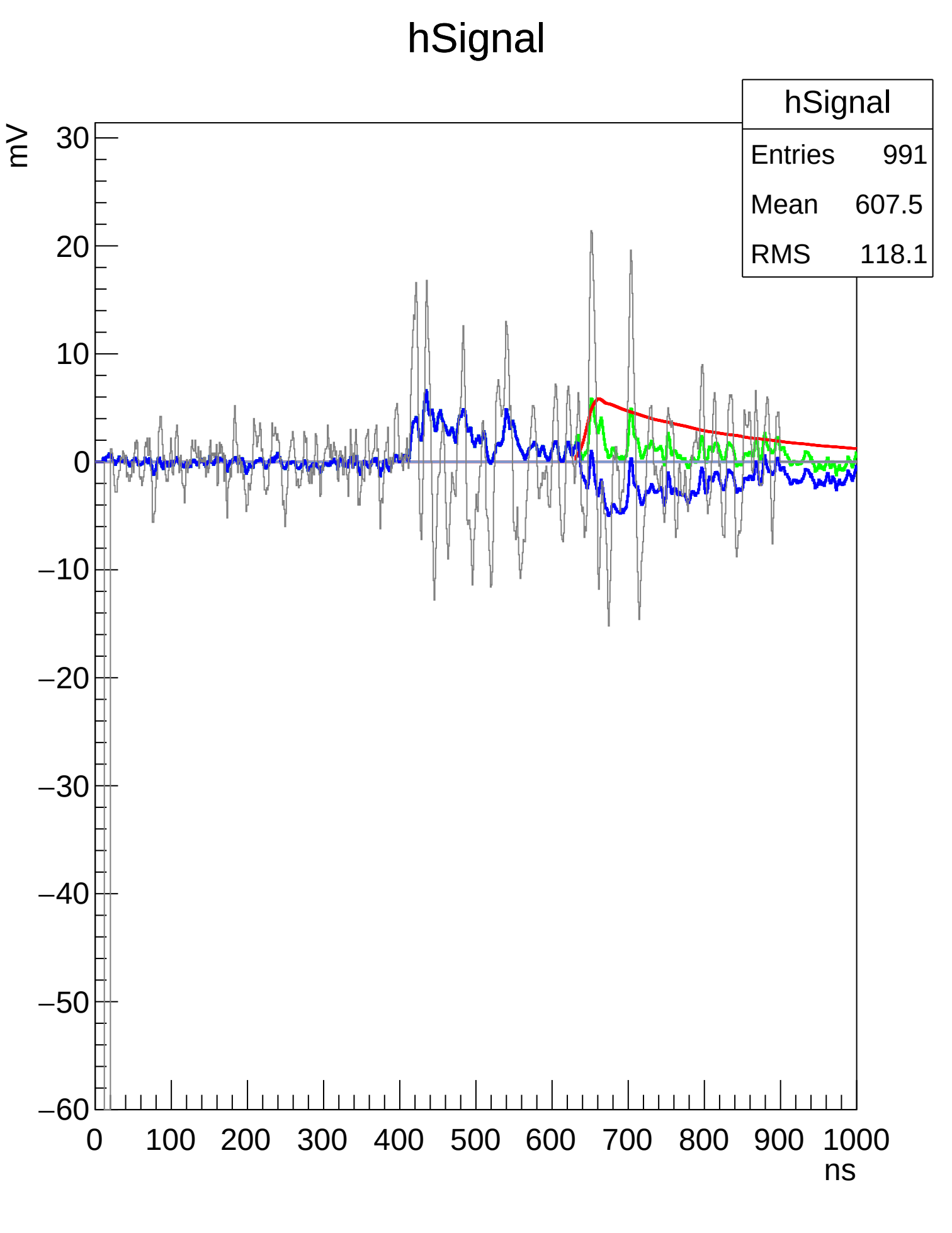
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.5
RMS 148.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.5
RMS 118.1
mV
30
20
10
0
−10
−20
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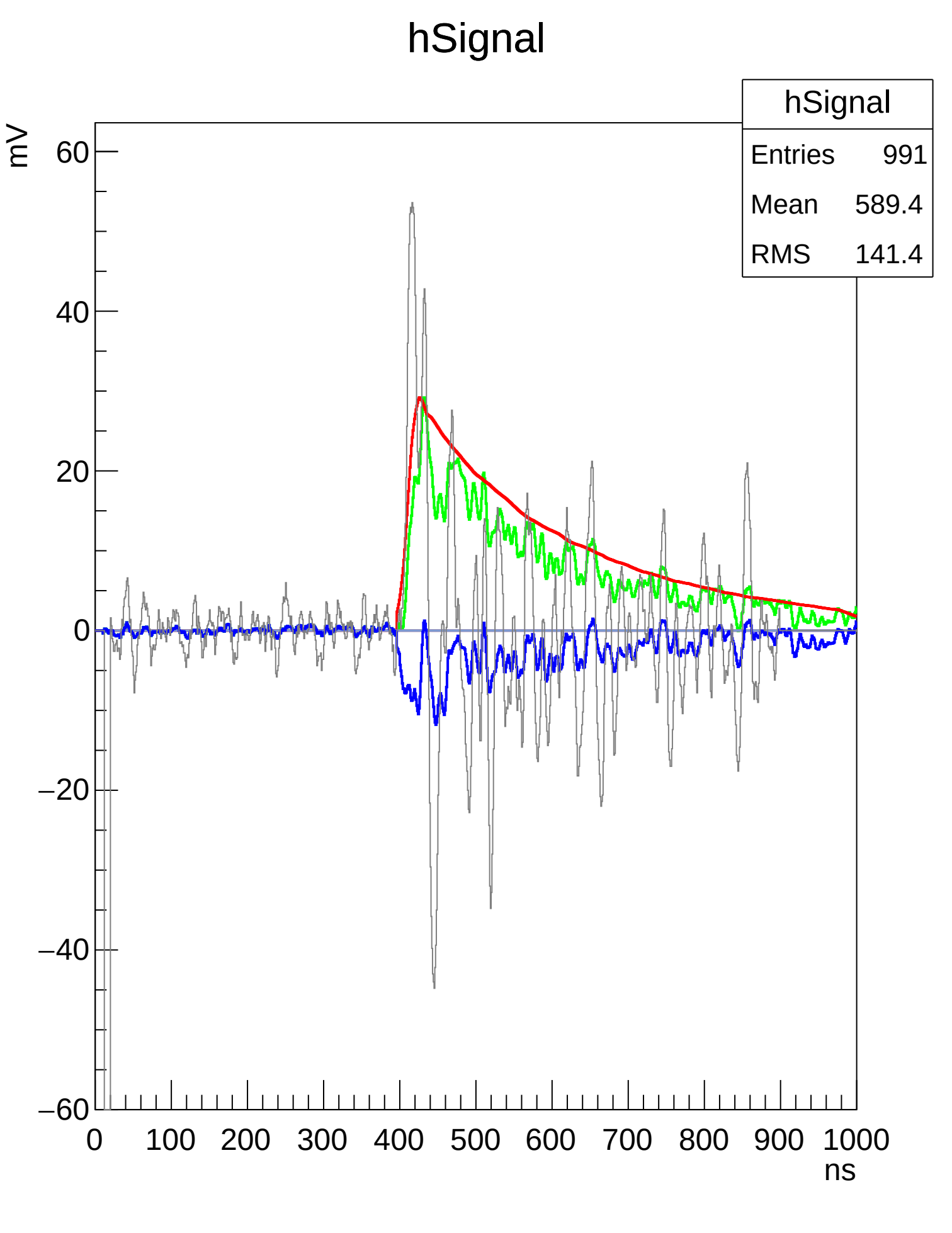
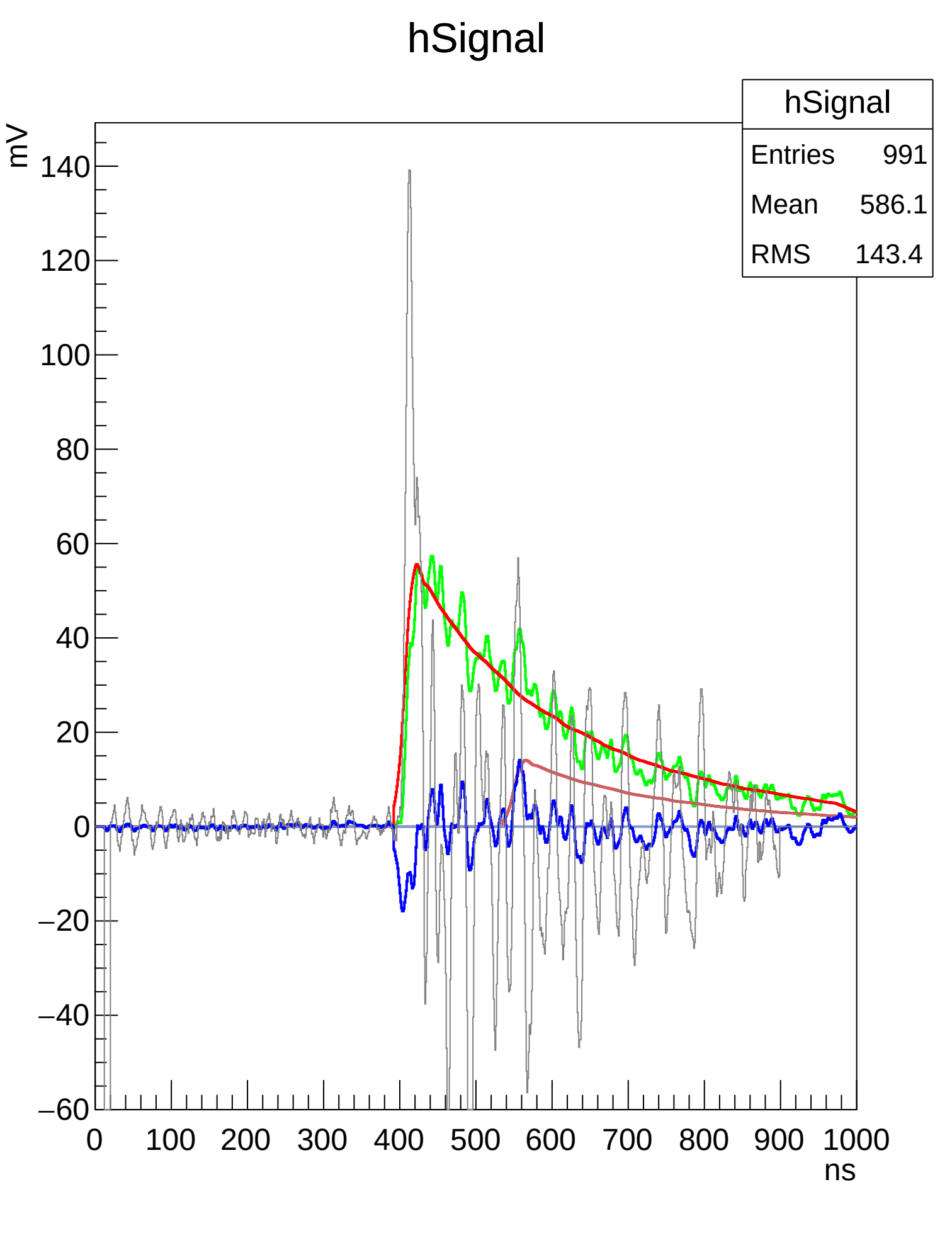
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.4
RMS 141.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.1
RMS 143.4
mV
140
120
100
80
60
40
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−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
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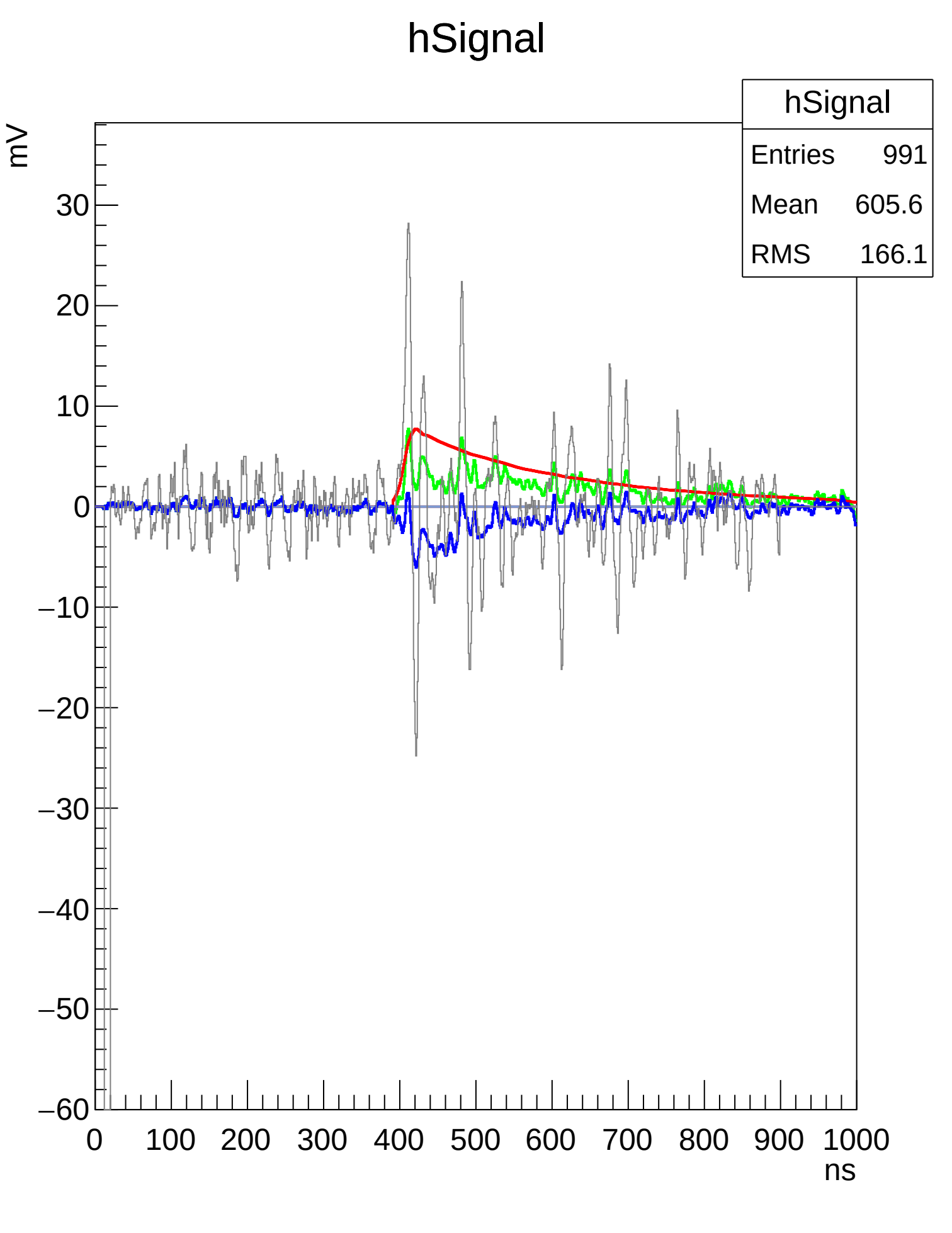
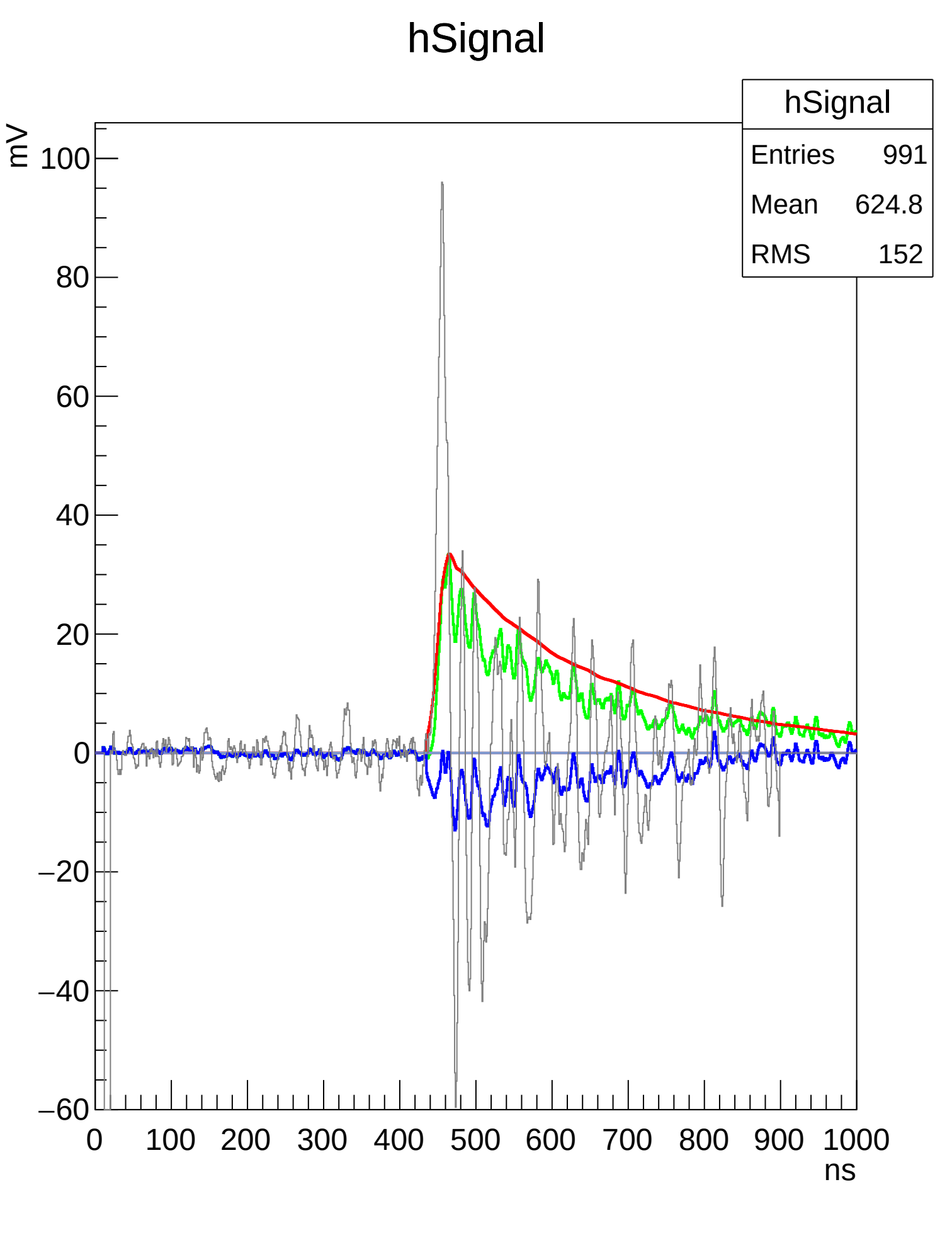

hSignal
hSignal
Entries 991
Mean 605.6
RMS 166.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 624.8
RMS 152
mV
100
80
60
40
20
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−20
−40
−60
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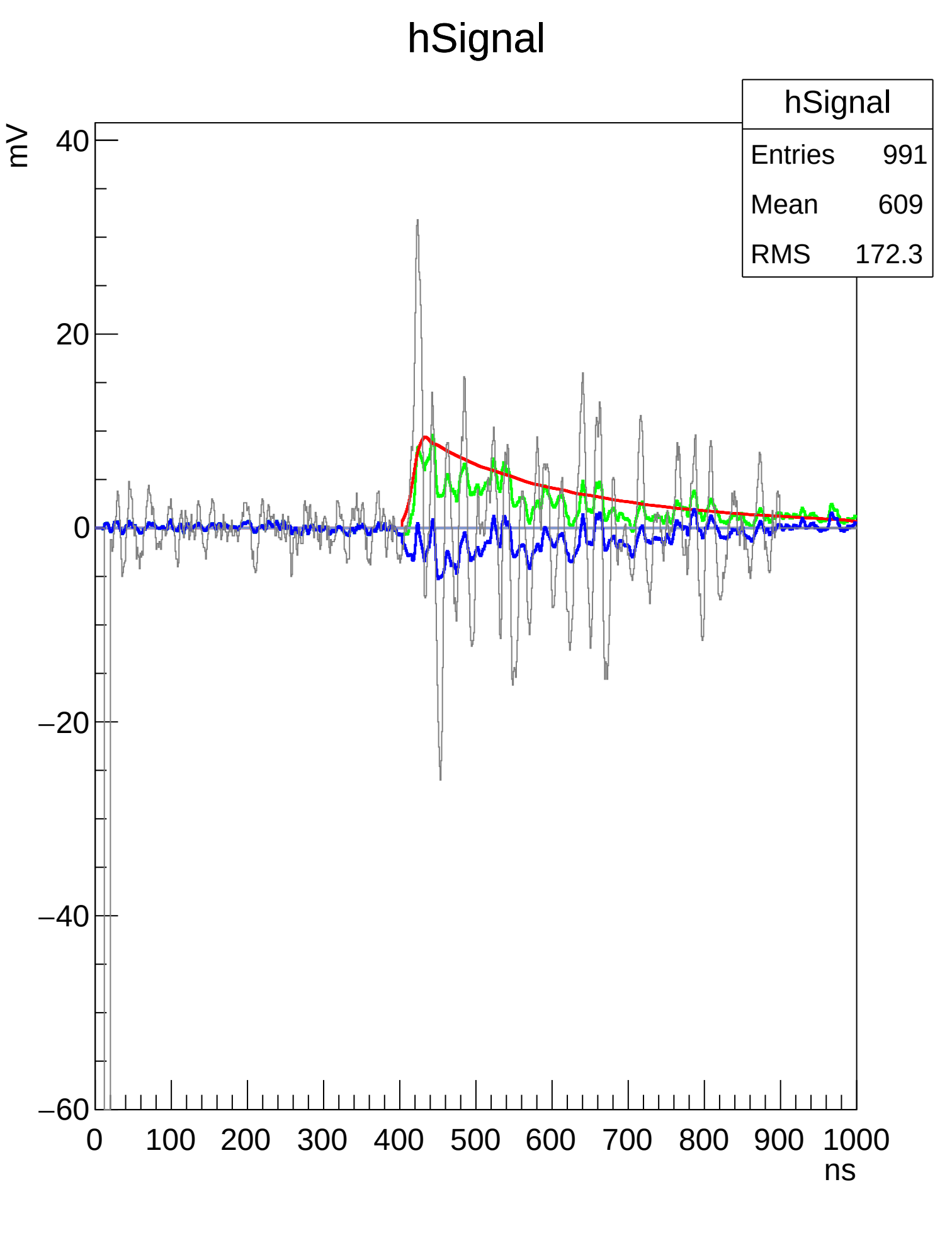
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609
RMS 172.3
mV
40
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−20
−40
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0
100
200
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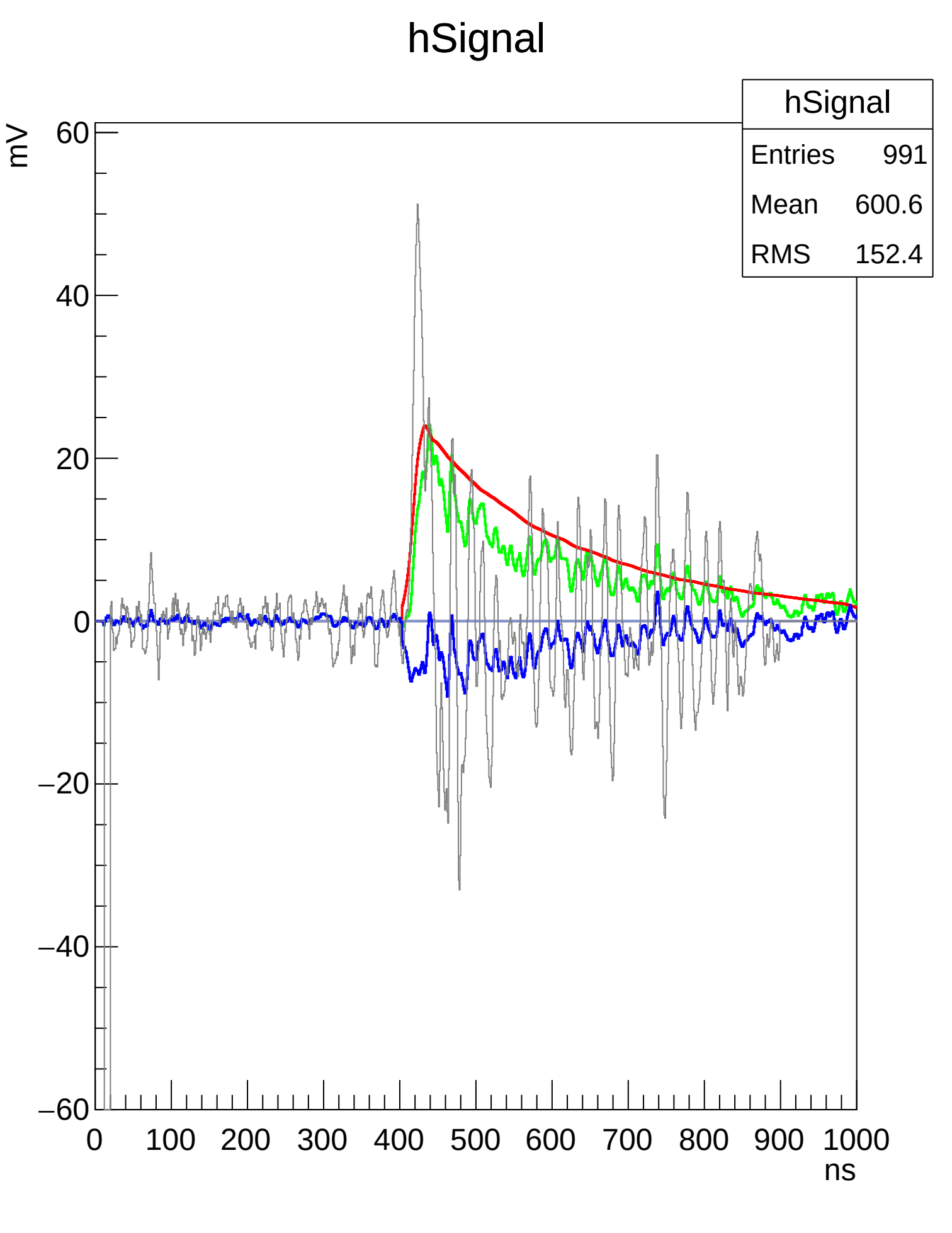
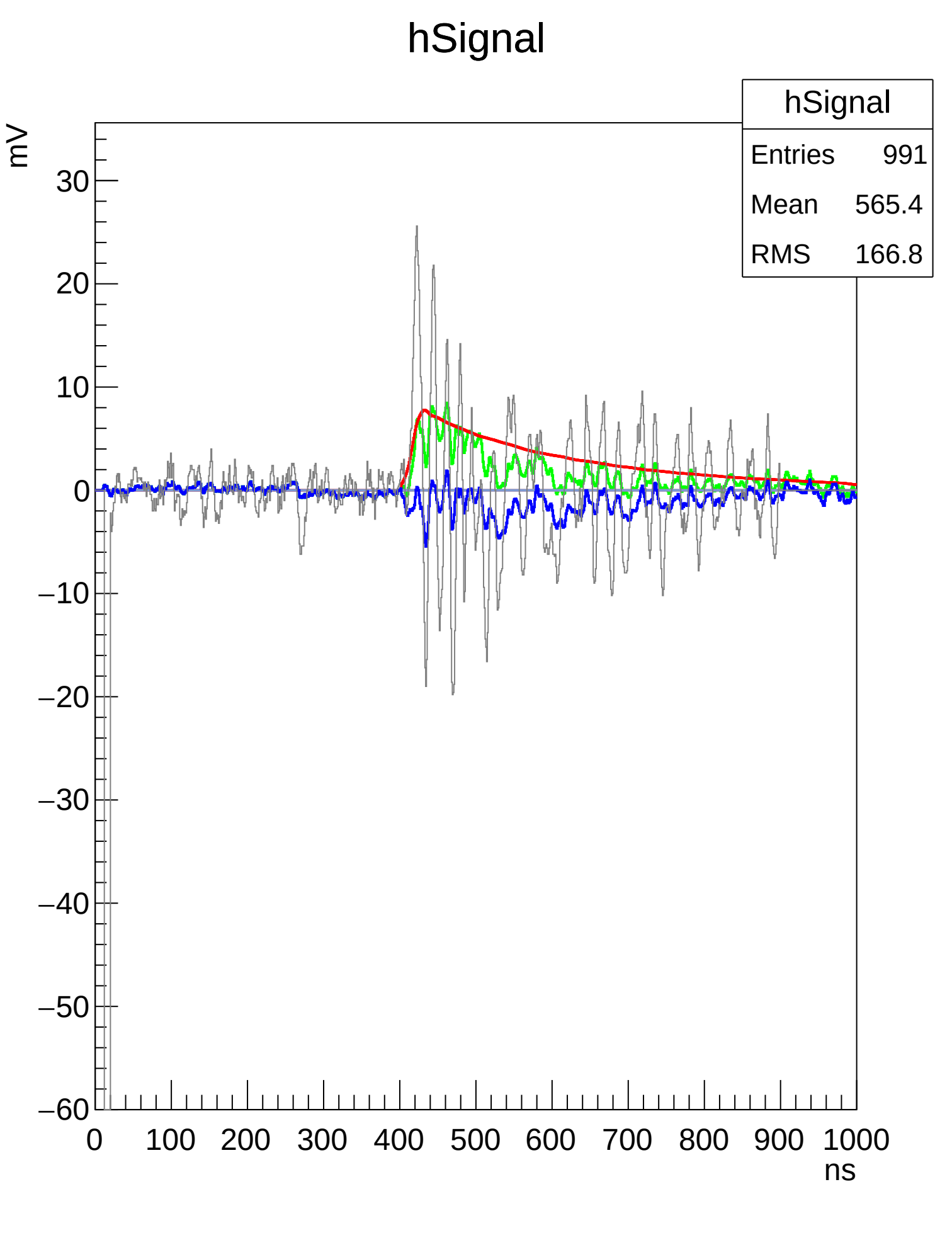
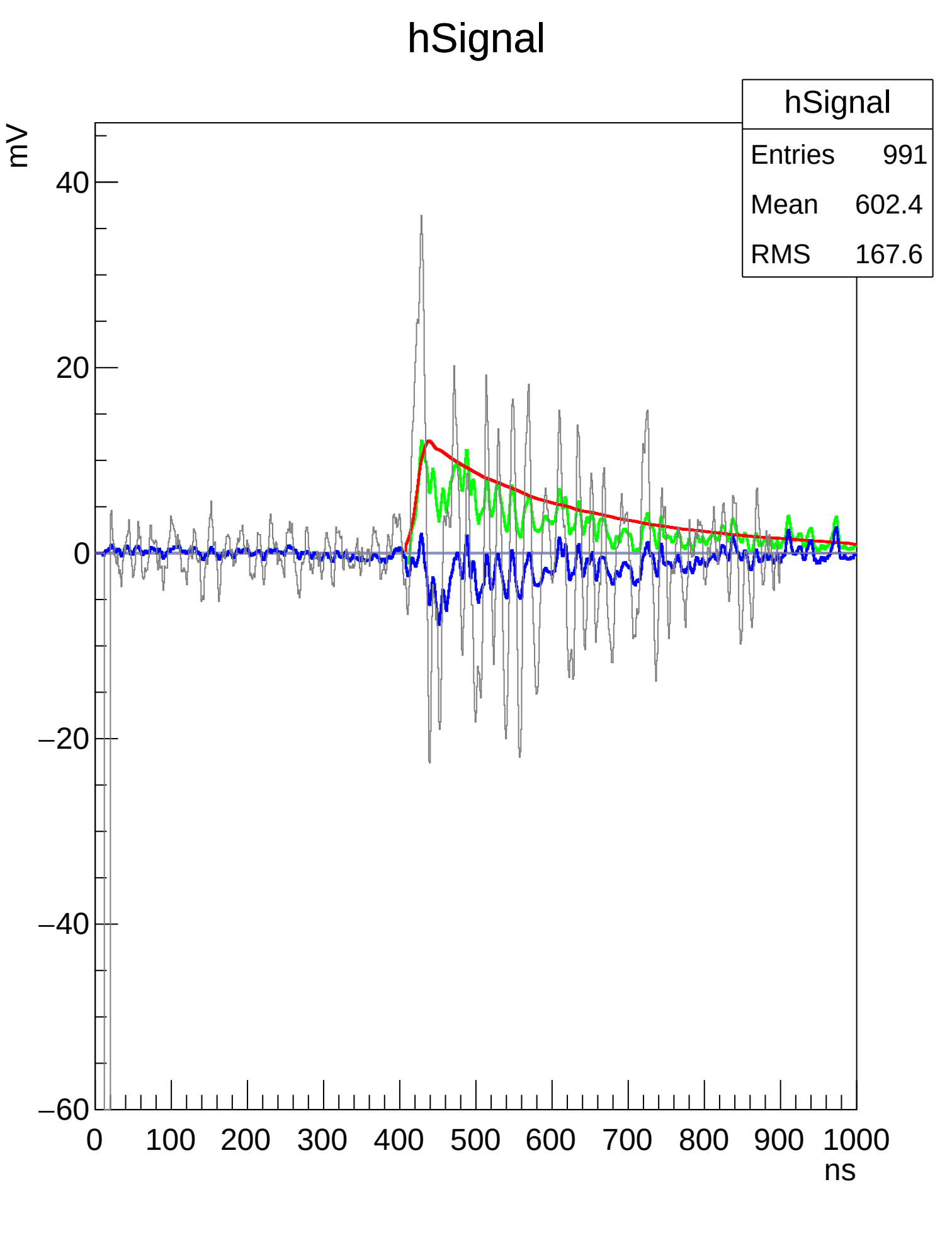
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.6
RMS 152.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.4
RMS 166.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.4
RMS 167.6
mV
40
20
0
−20
−40
−60
0
100
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400
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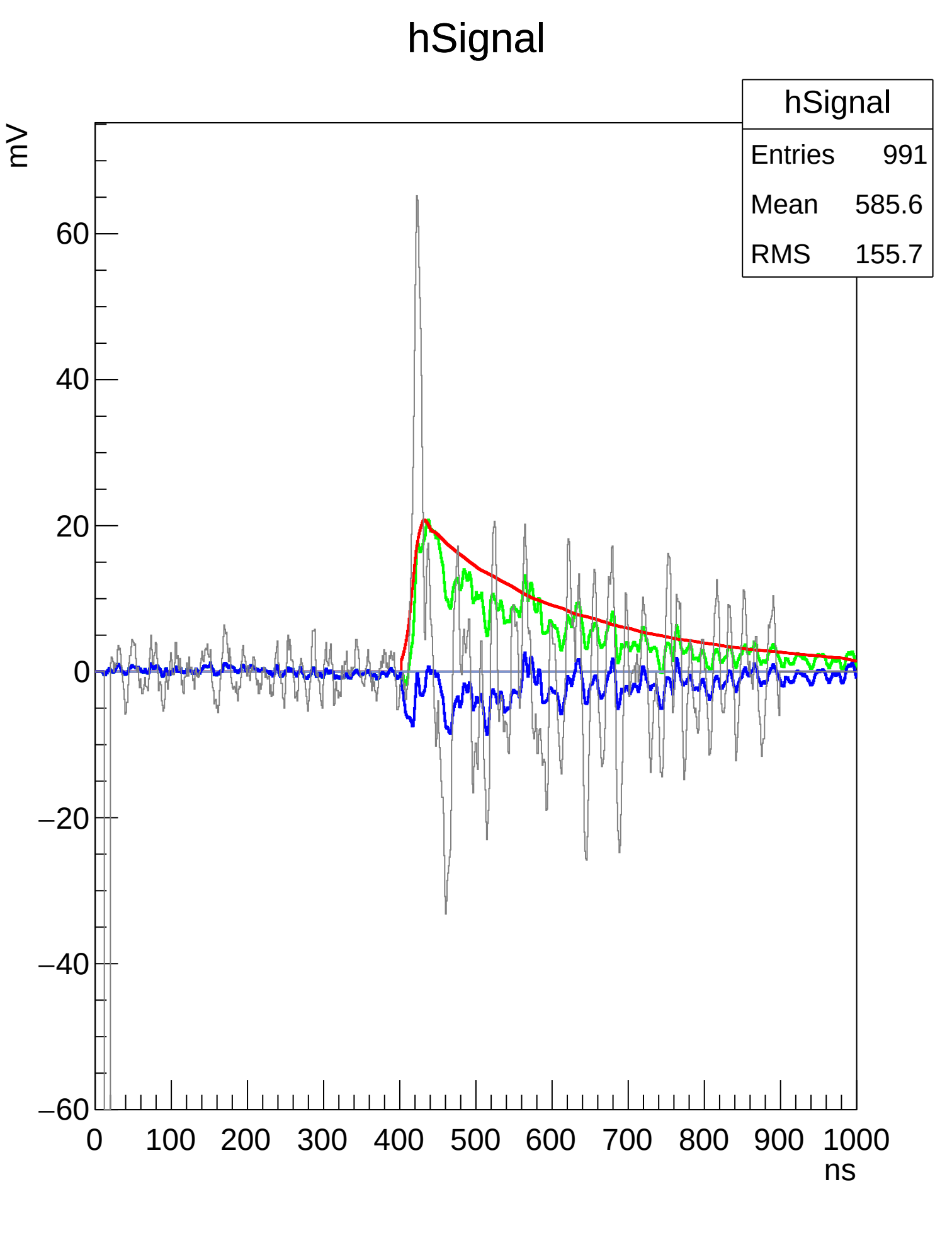
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.6
RMS 155.7
mV
60
40
20
0
−20
−40
−60
0
100
200
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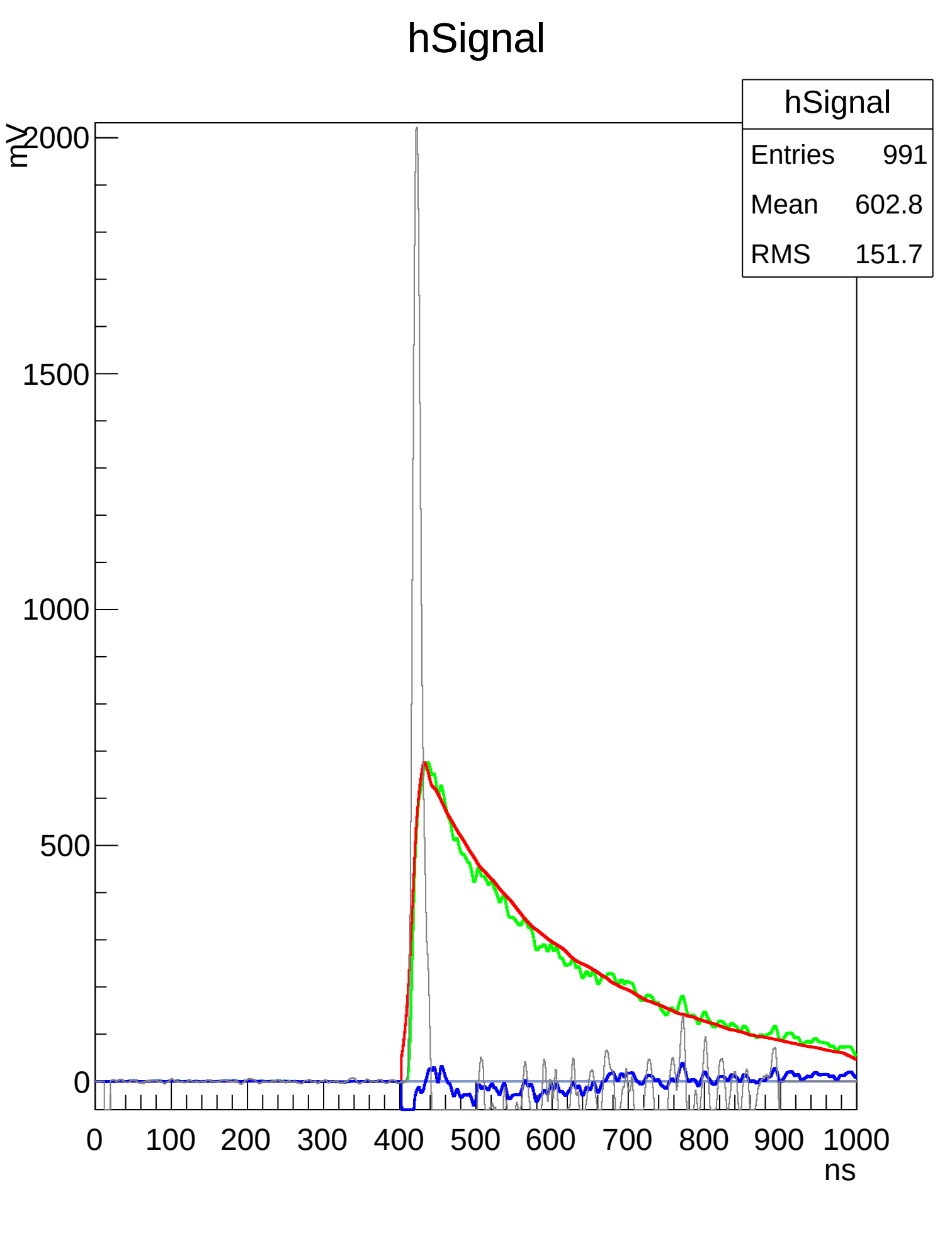
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.8
RMS 151.7
mV
2000
1500
1000
500
0
0
100
200
300
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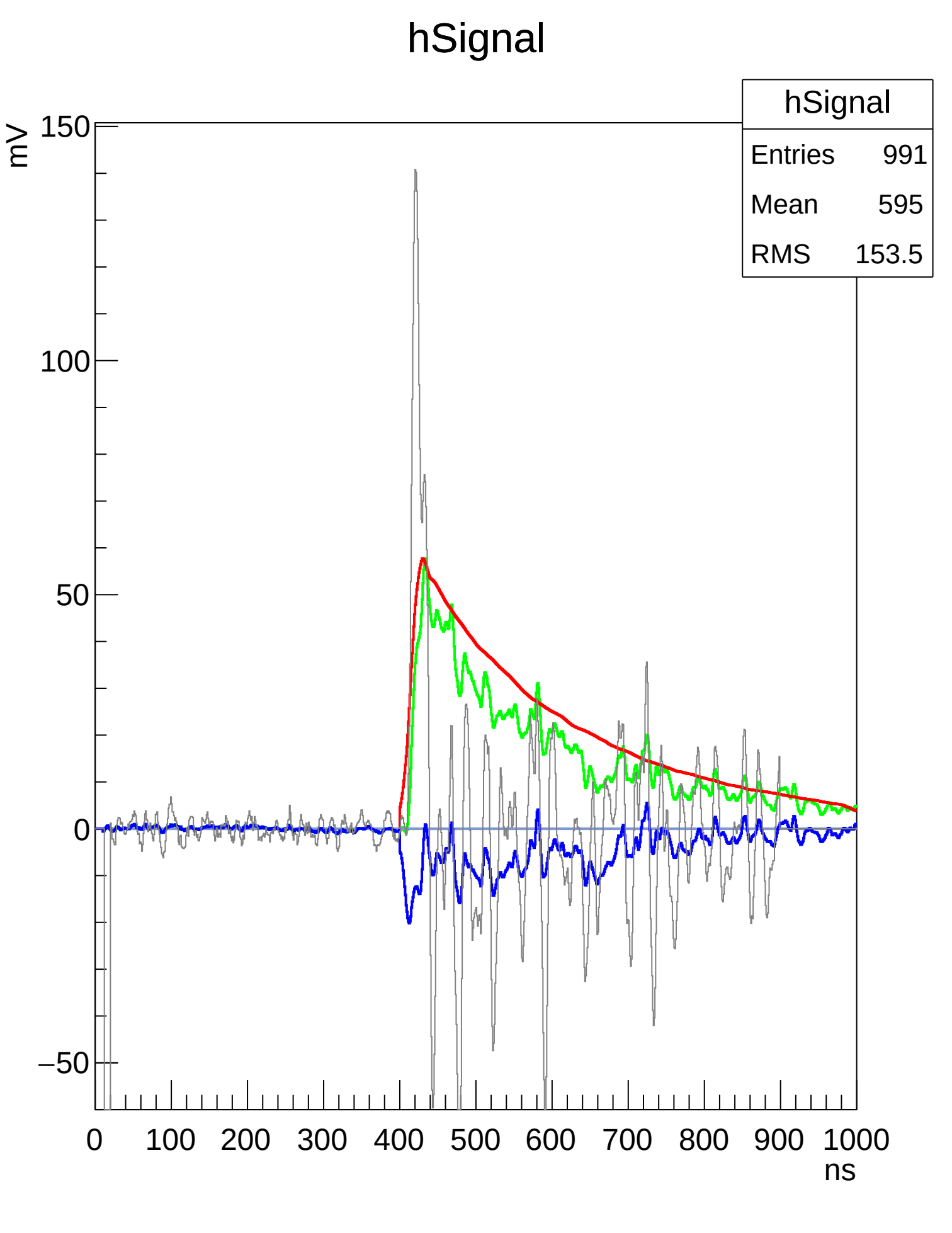
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595
RMS 153.5
mV
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100
50
0
−50
0
100
200
300
400
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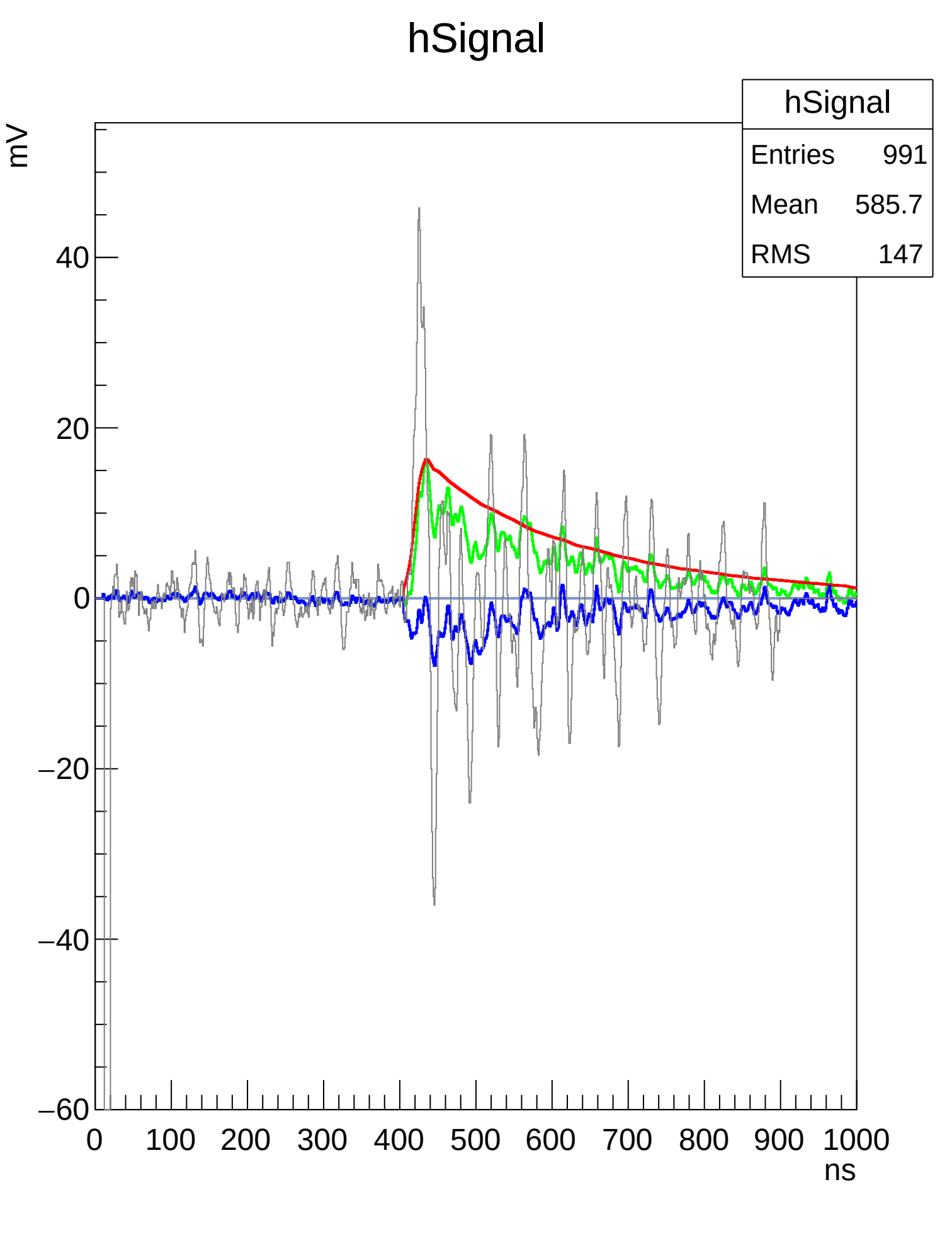
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.7
RMS 147
mV
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−20
−40
−60
0
100
200
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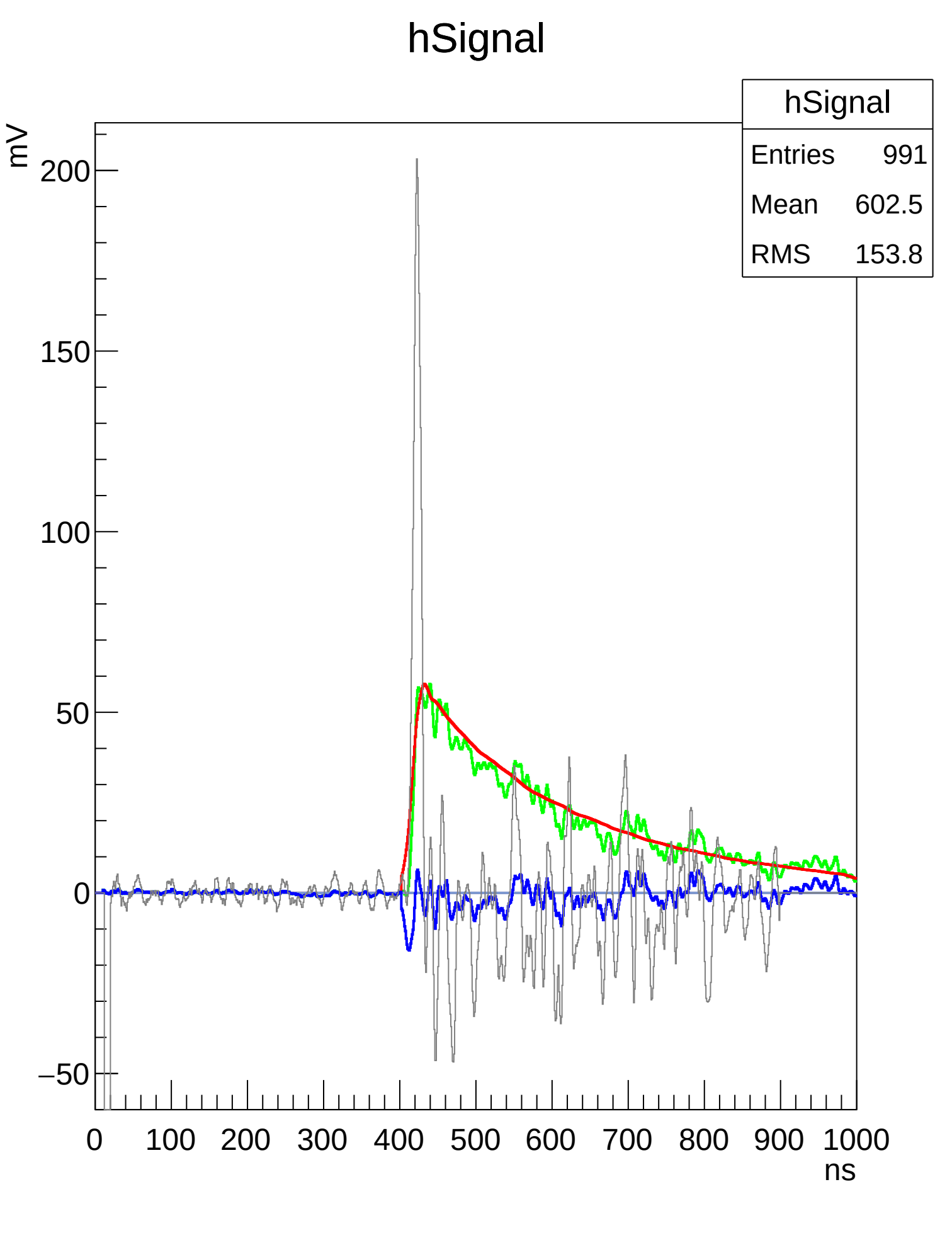
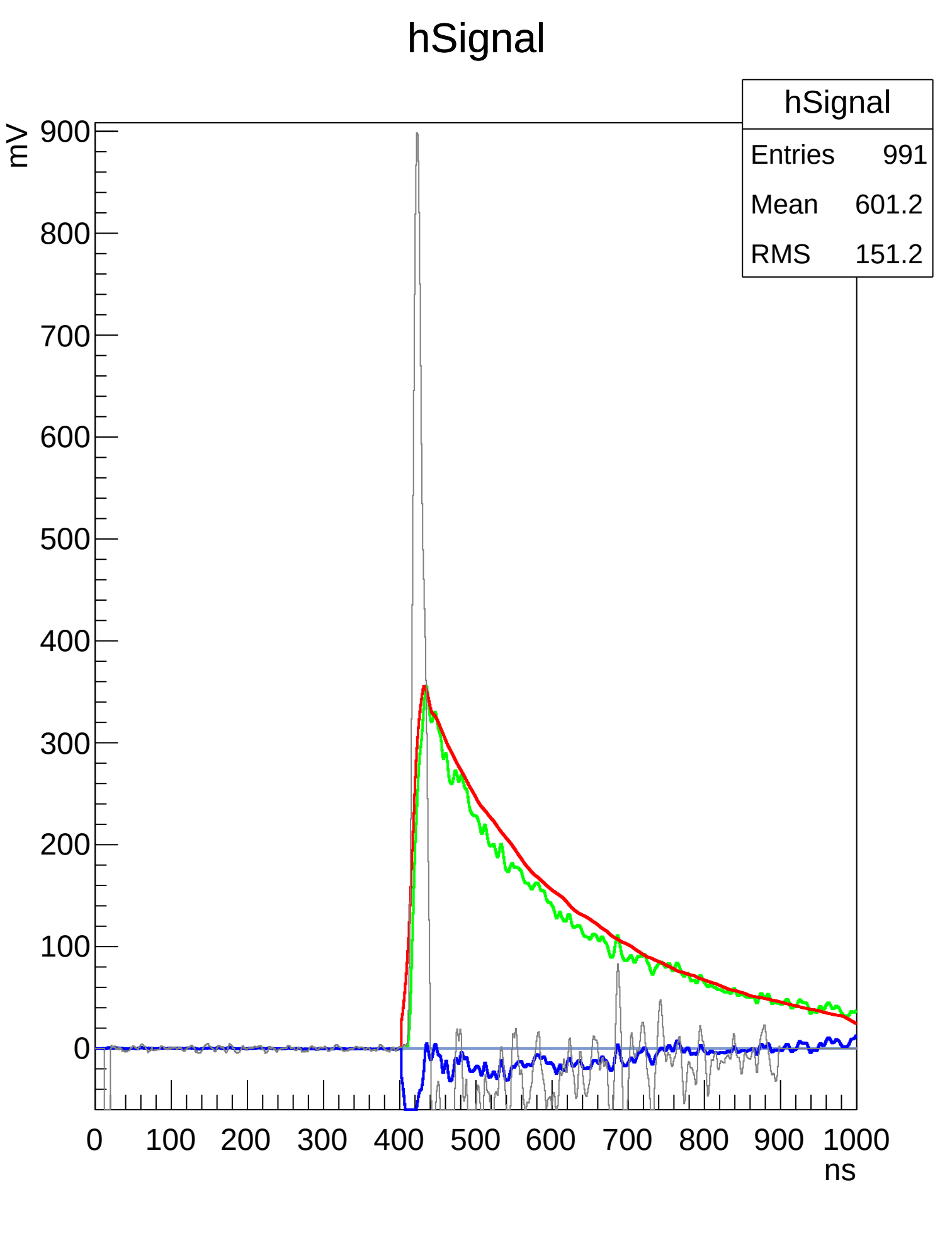
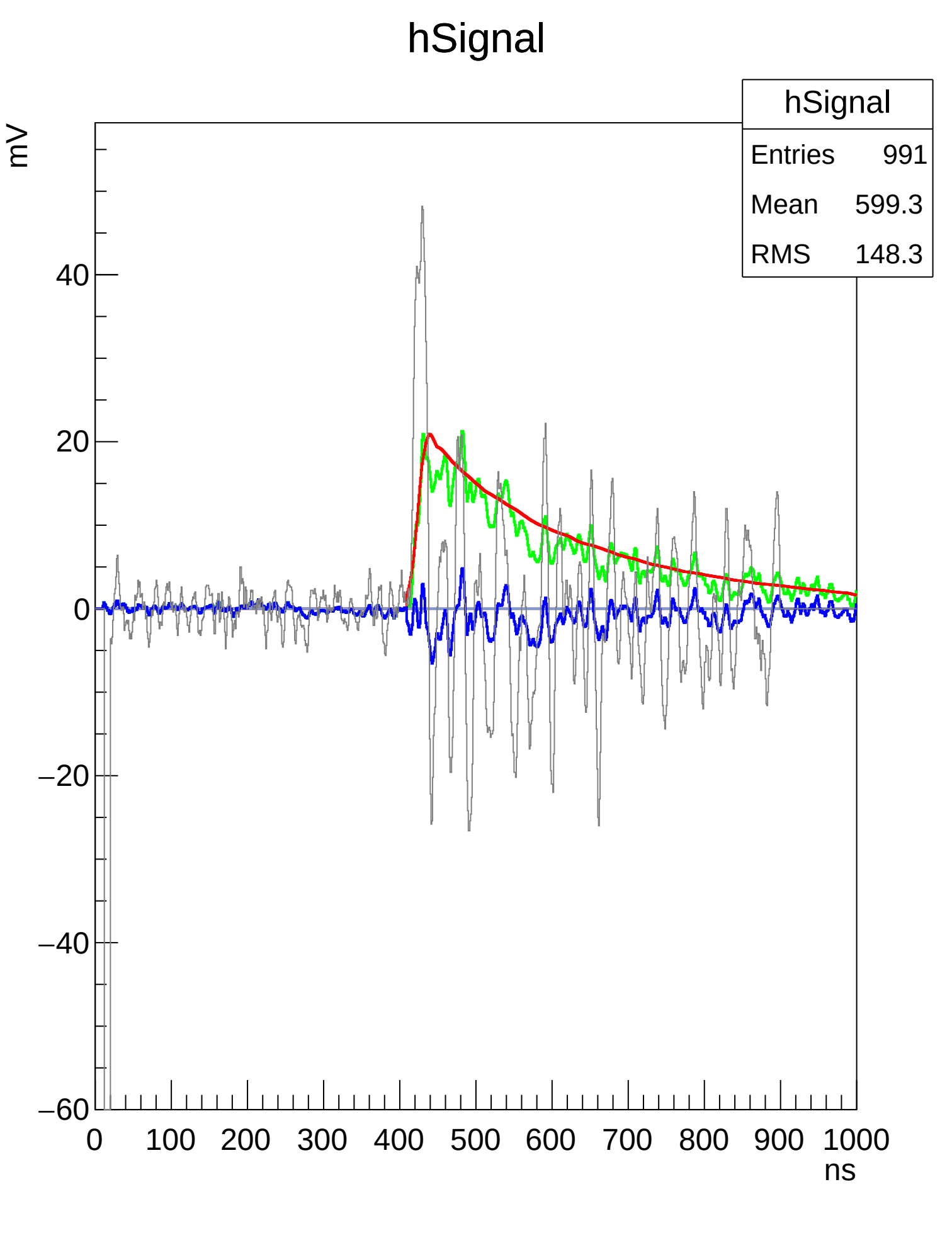
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 153.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 151.2
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.3
RMS 148.3
mV
40
20
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−20
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−60
0
100
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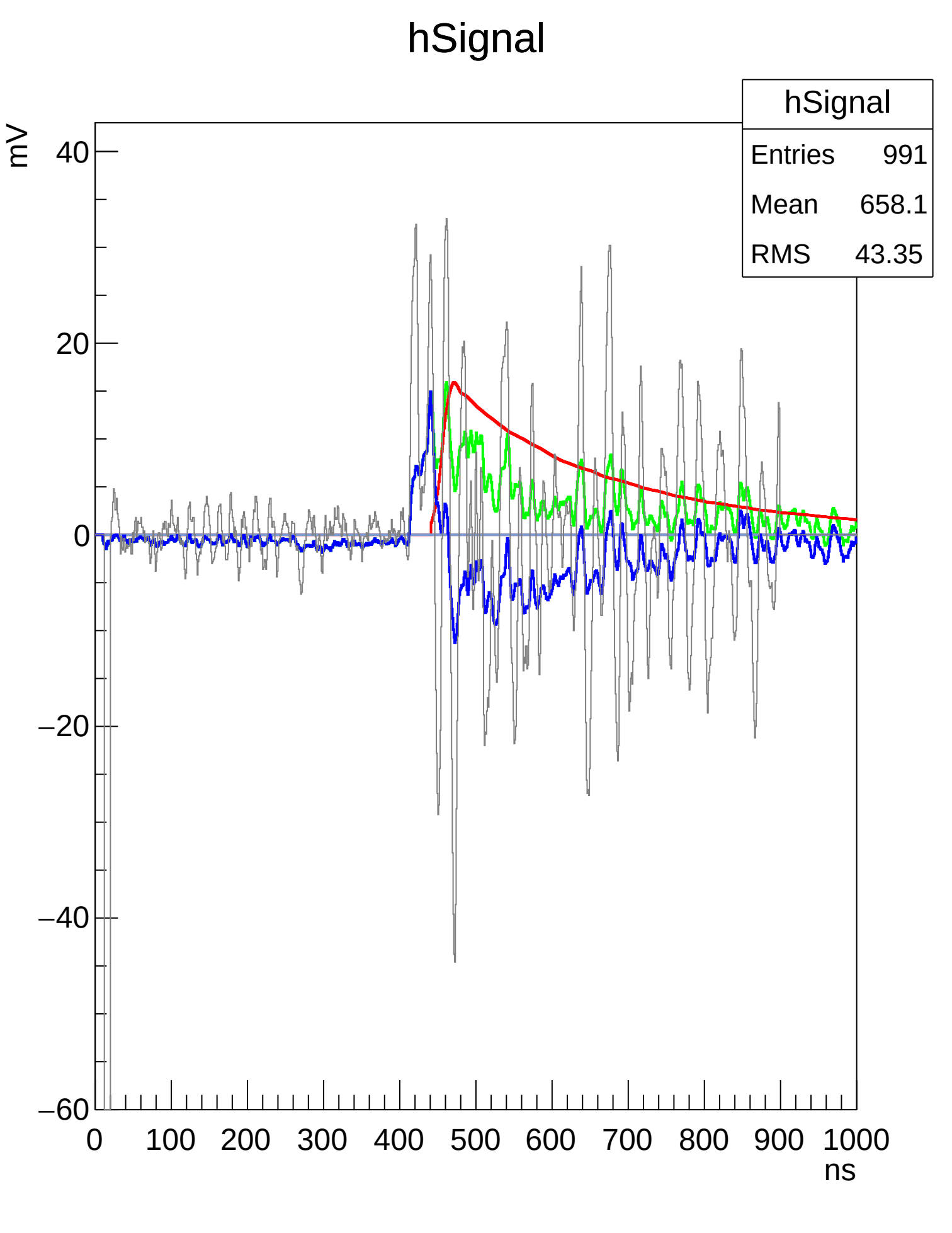
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 658.1
RMS 43.35
mV
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−20
−40
−60
0
100
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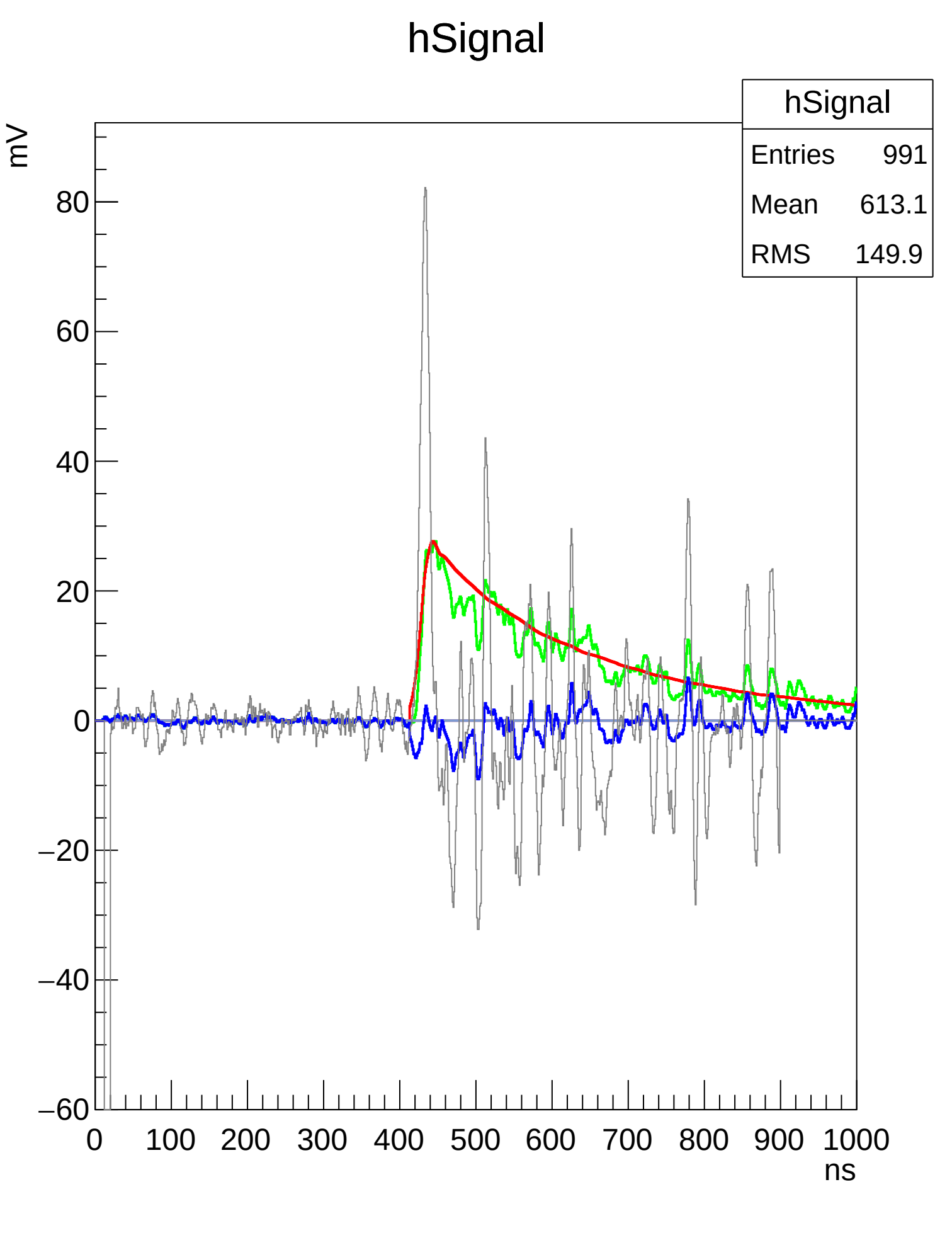
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.1
RMS 149.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
500
600
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800
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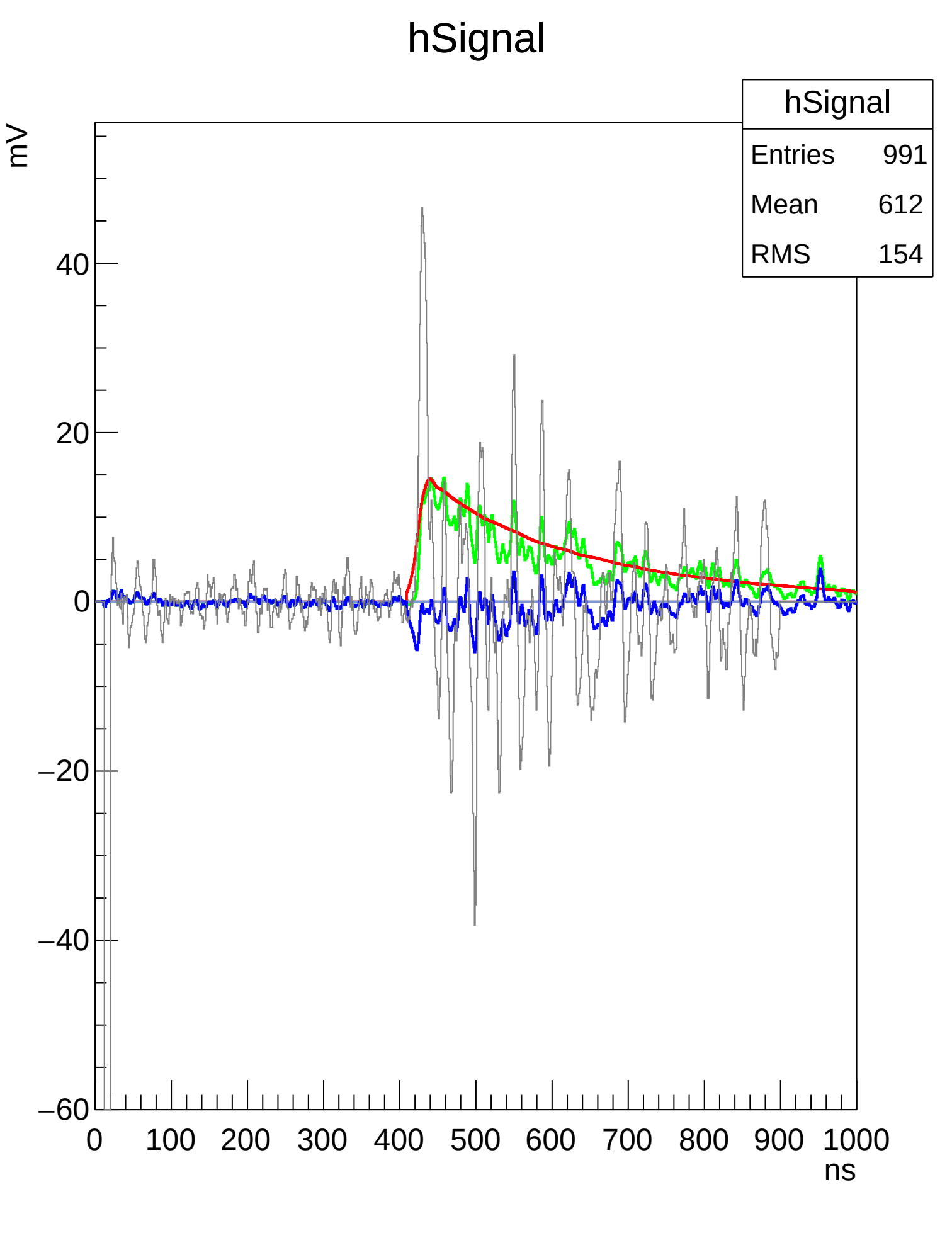
1000
ns


hSignal
hSignal
Entries 991
Mean 612
RMS 154
mV
40
20
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−20
−40
−60
0
100
200
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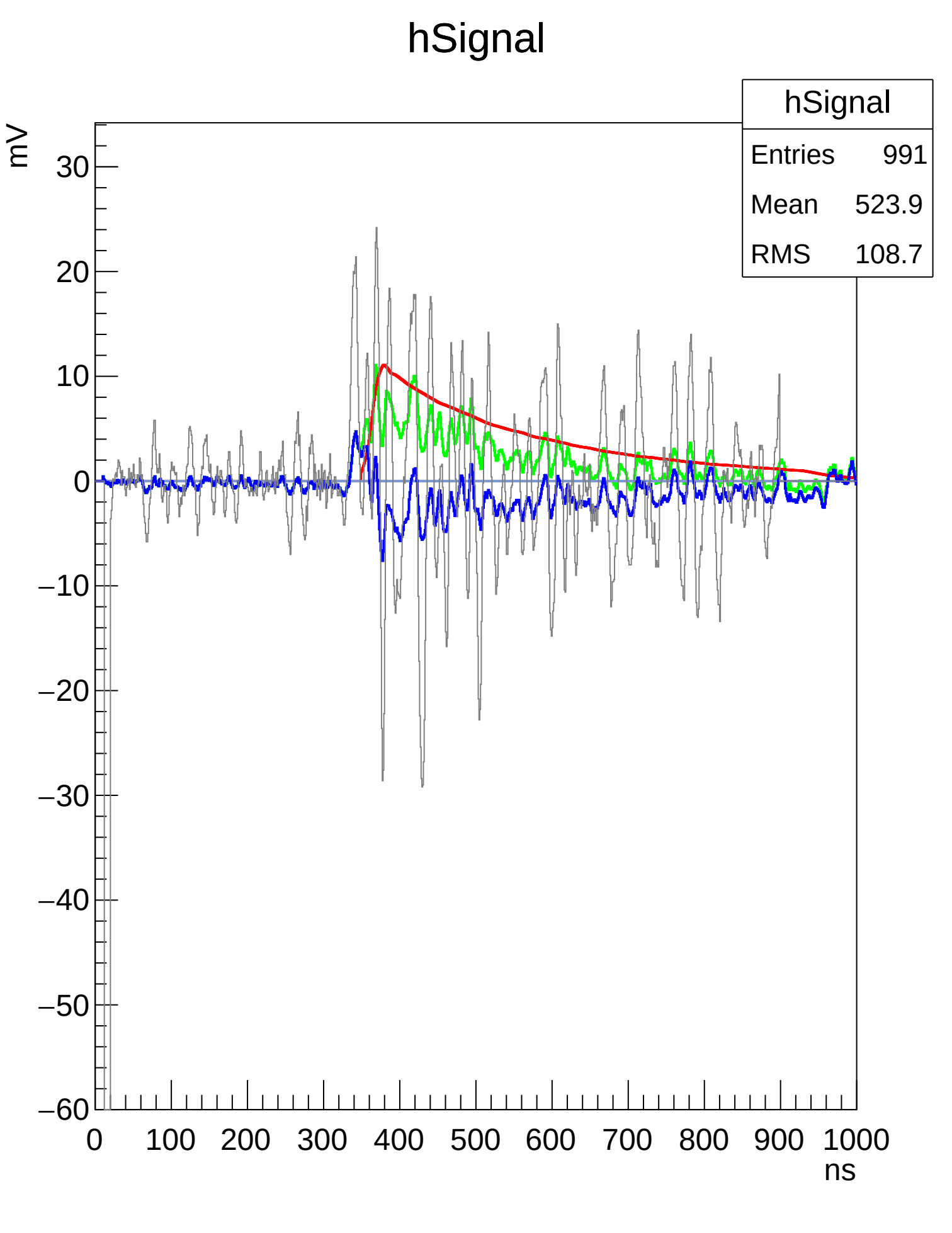
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.9
RMS 108.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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1000
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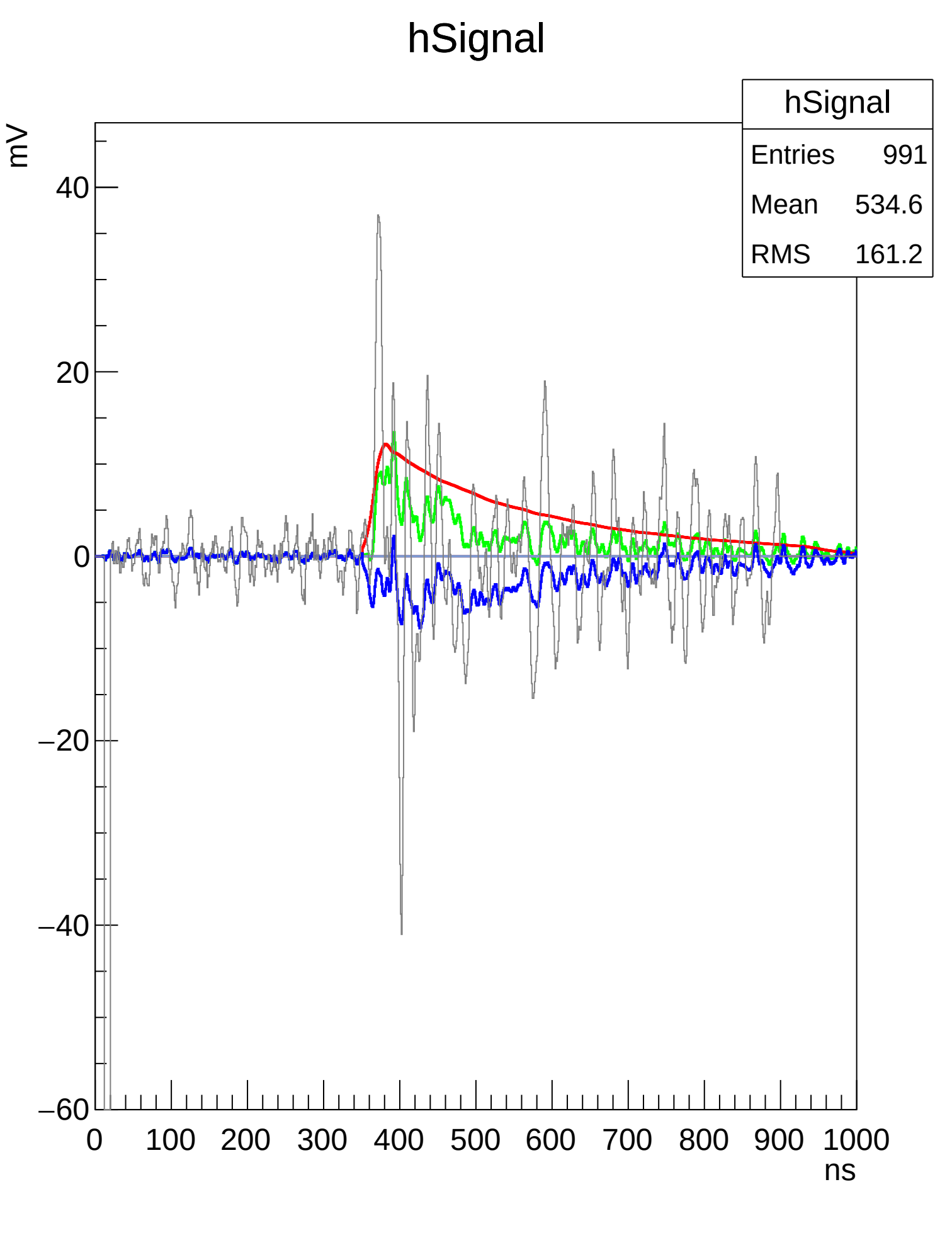
hSignal
hSignal
Entries 991
Mean 534.6
RMS 161.2
mV
40
20
0
−20
−40
−60
0
100
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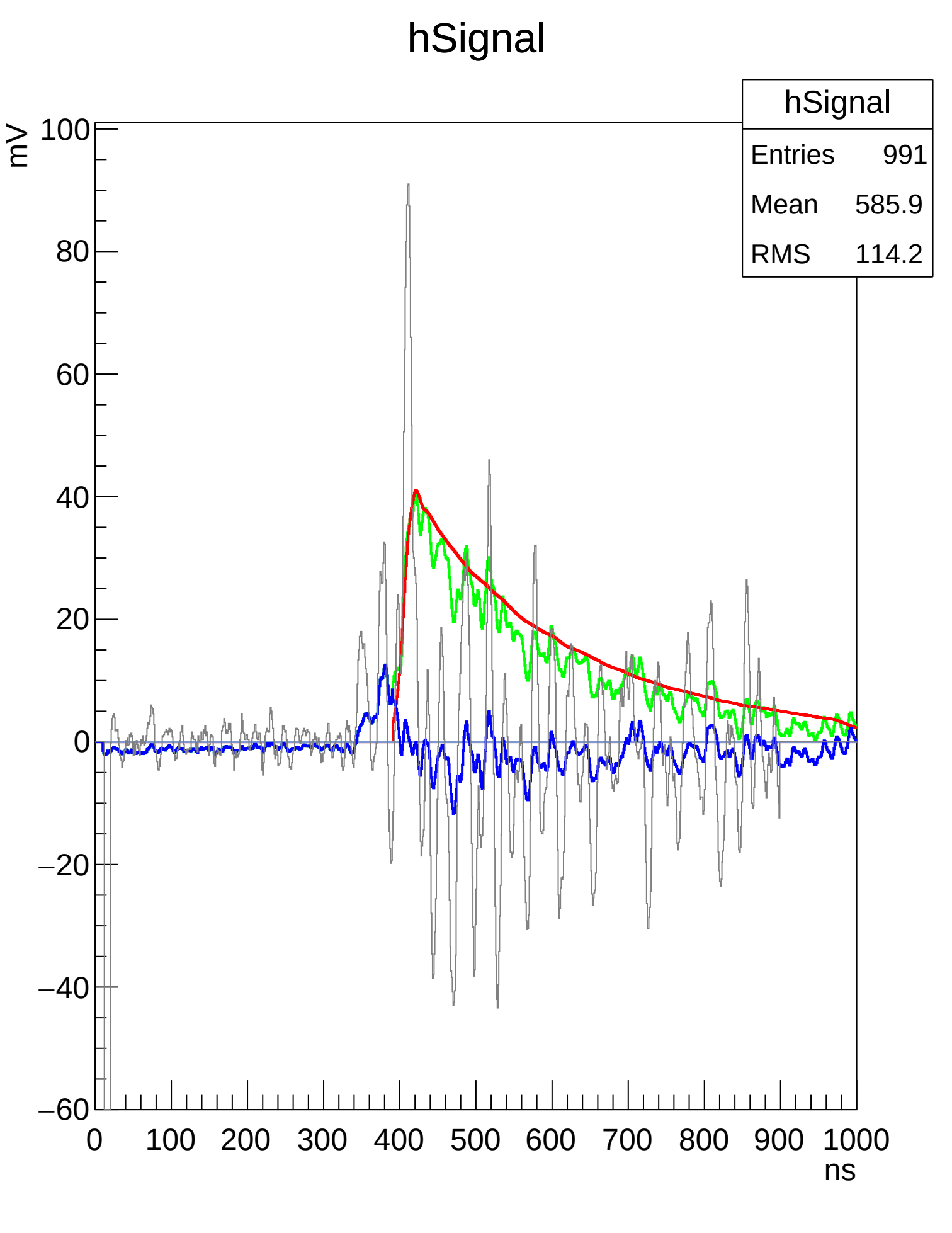
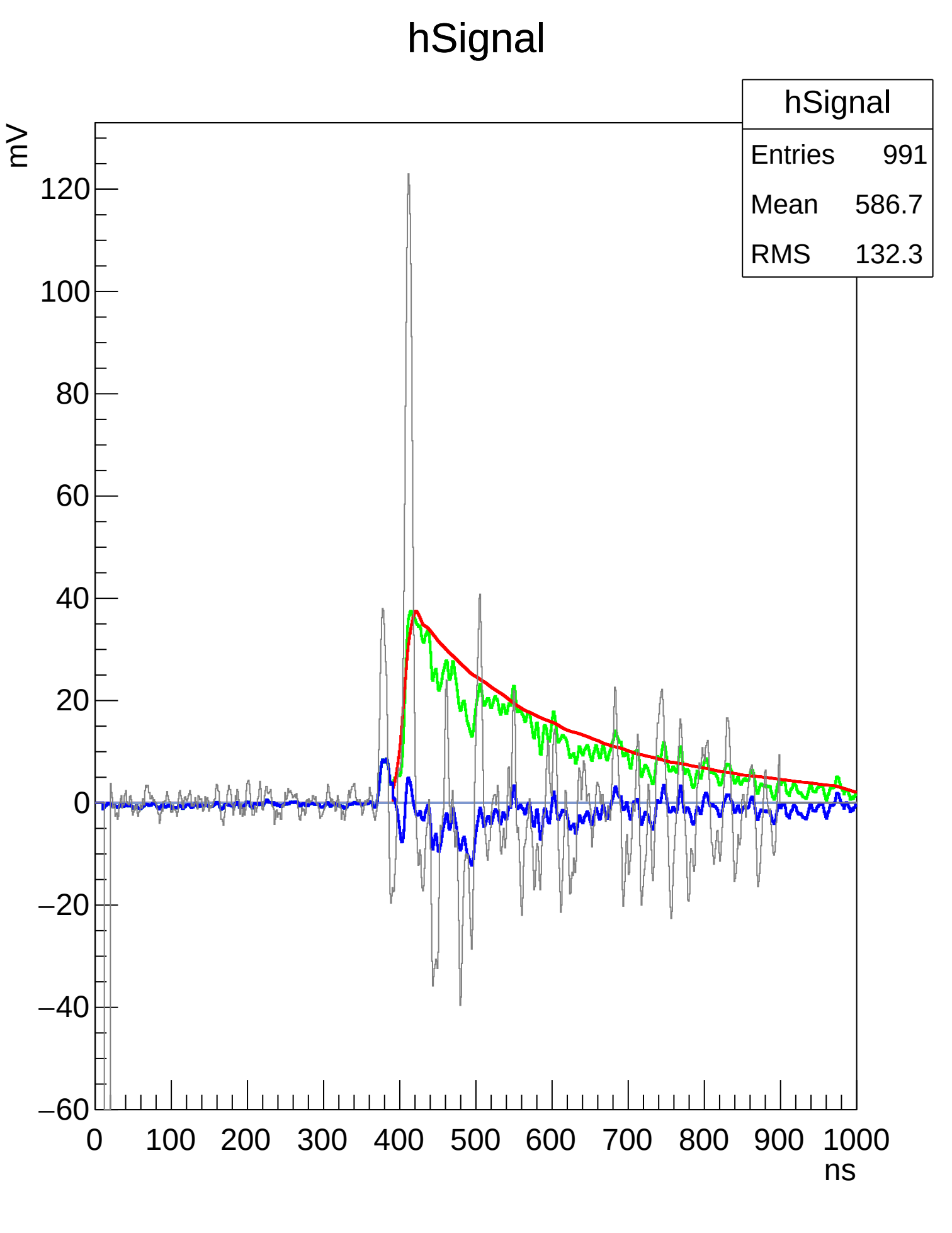
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.9
RMS 114.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.7
RMS 132.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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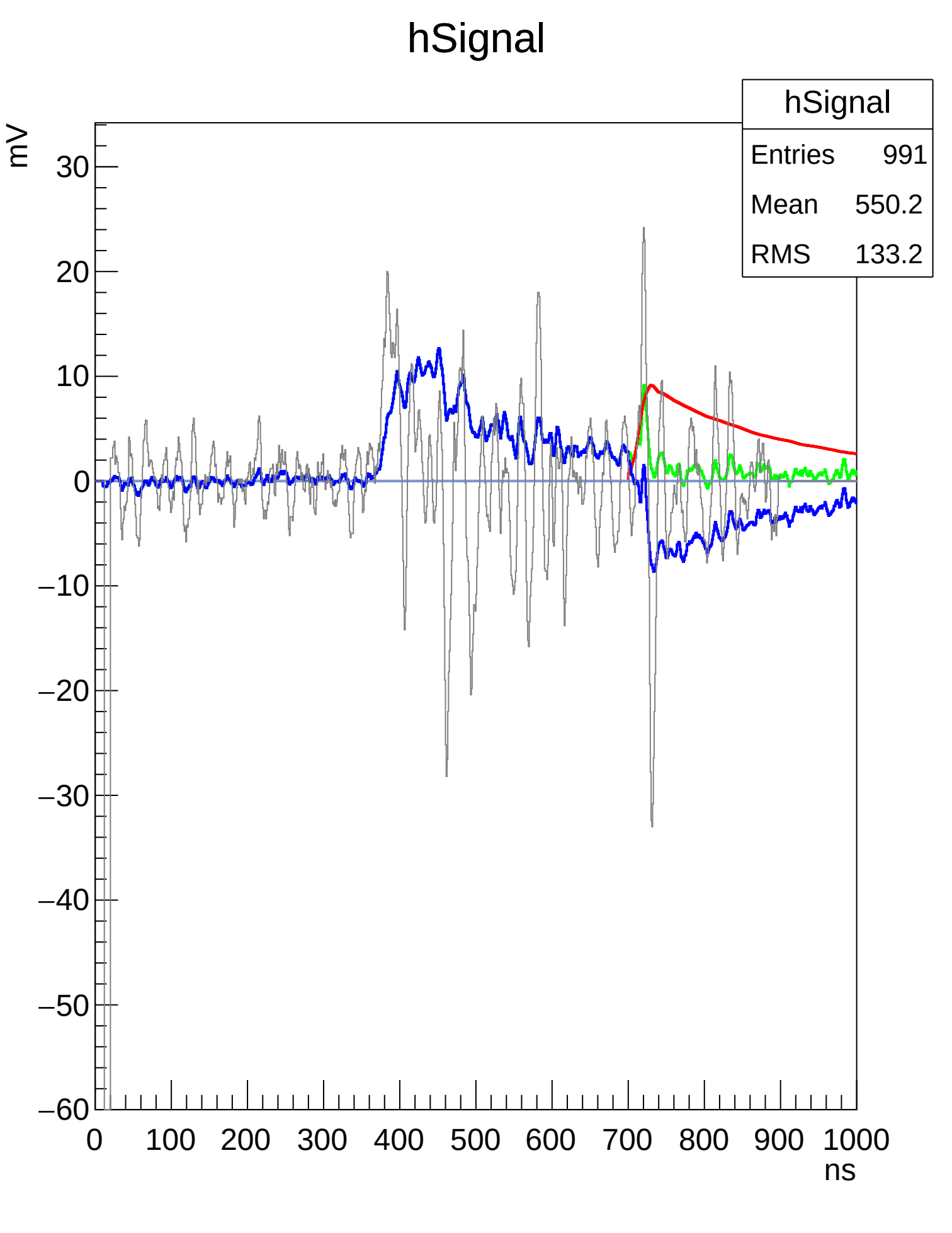
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.2
RMS 133.2
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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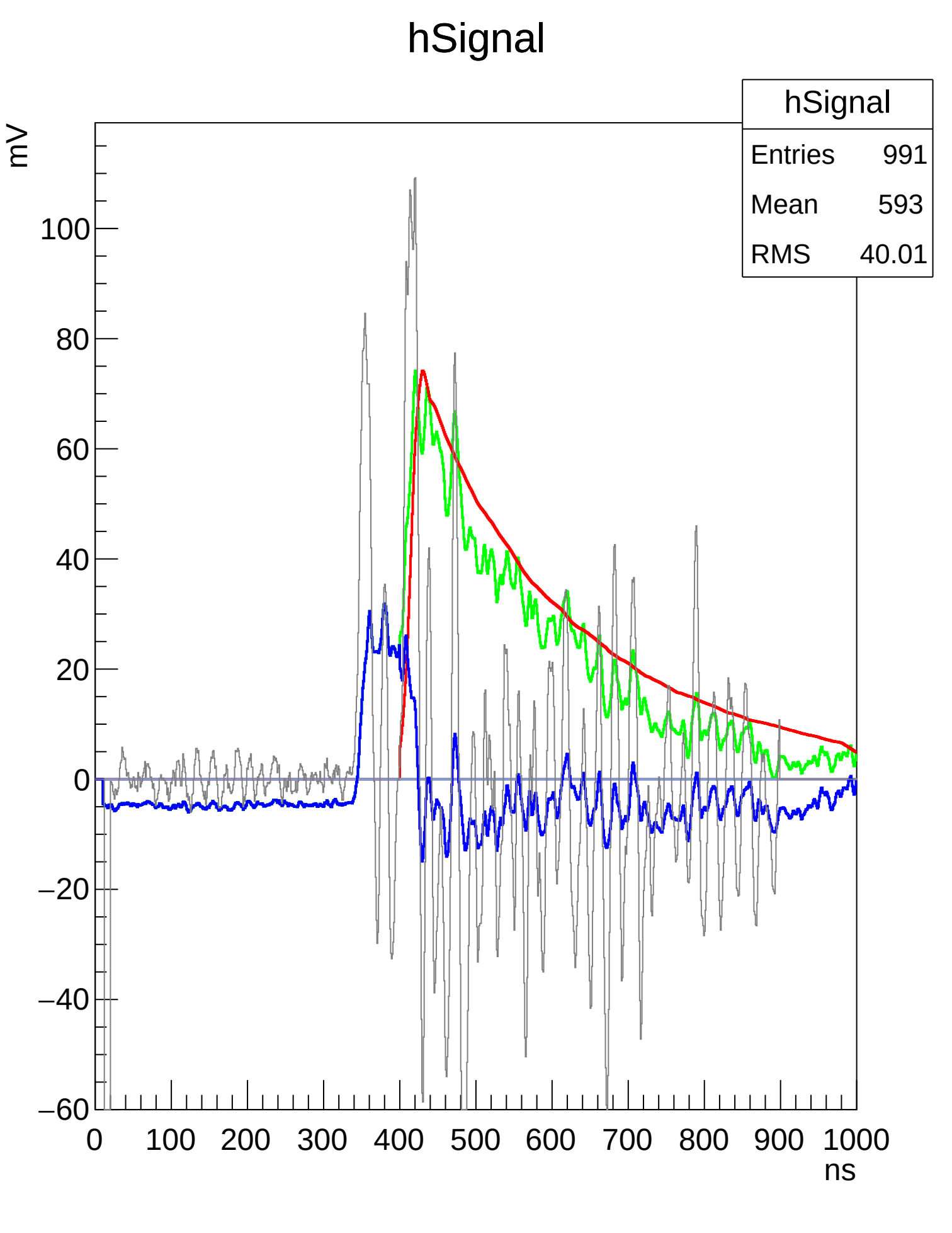
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593
RMS 40.01
mV
100
80
60
40
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0
−20
−40
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0
100
200
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400
500
600
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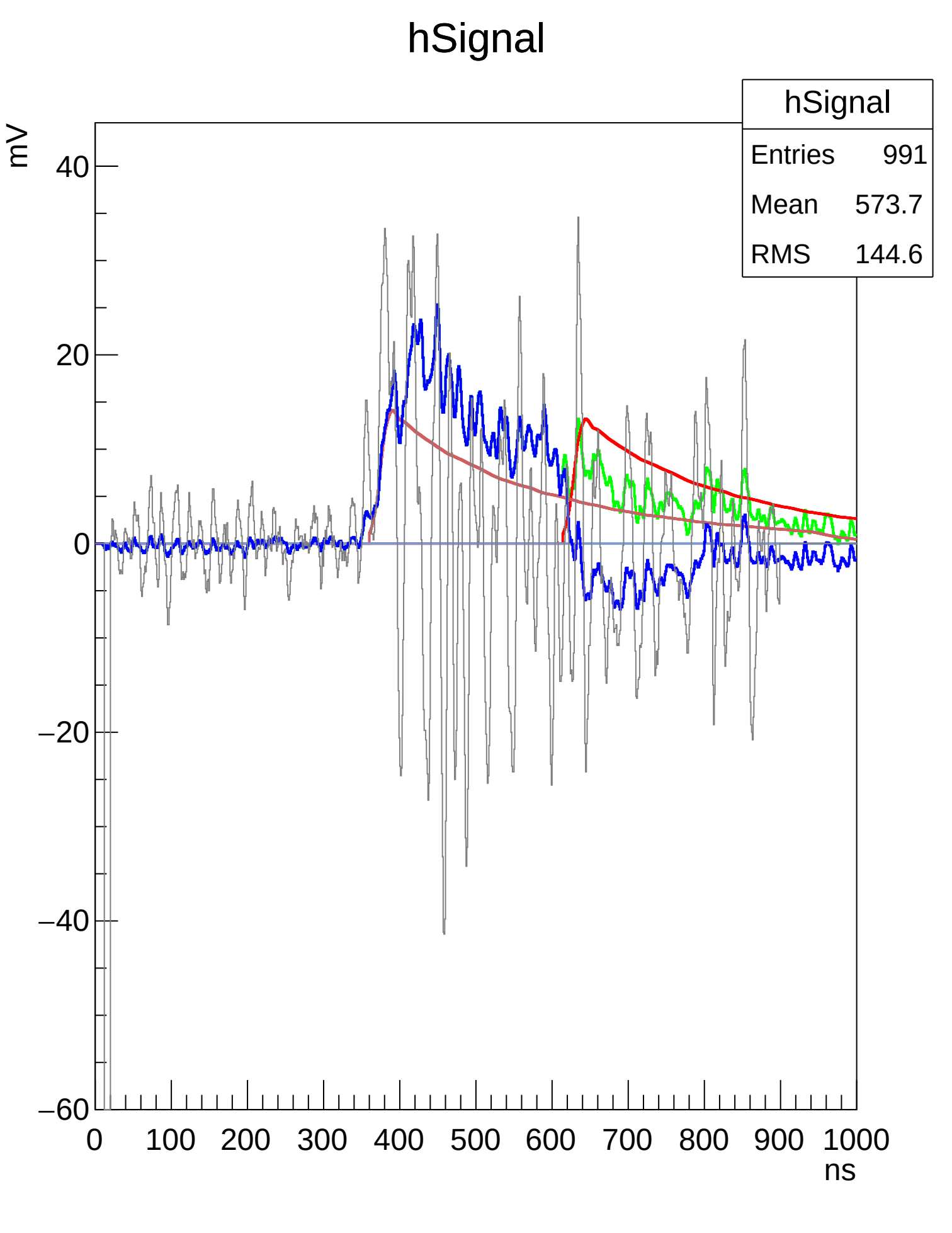
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.7
RMS 144.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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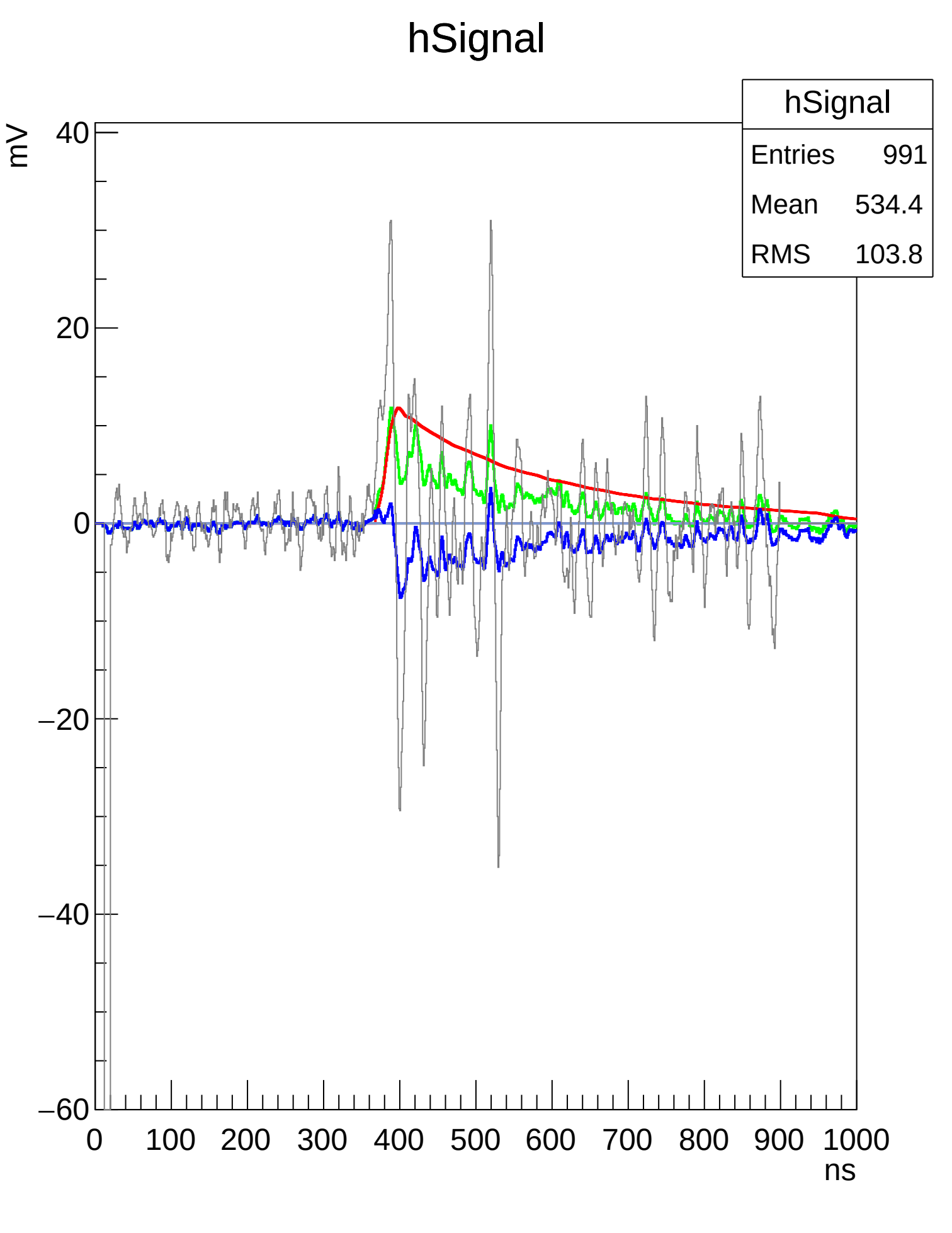
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.4
RMS 103.8
mV
40
20
0
−20
−40
−60
0
100
200
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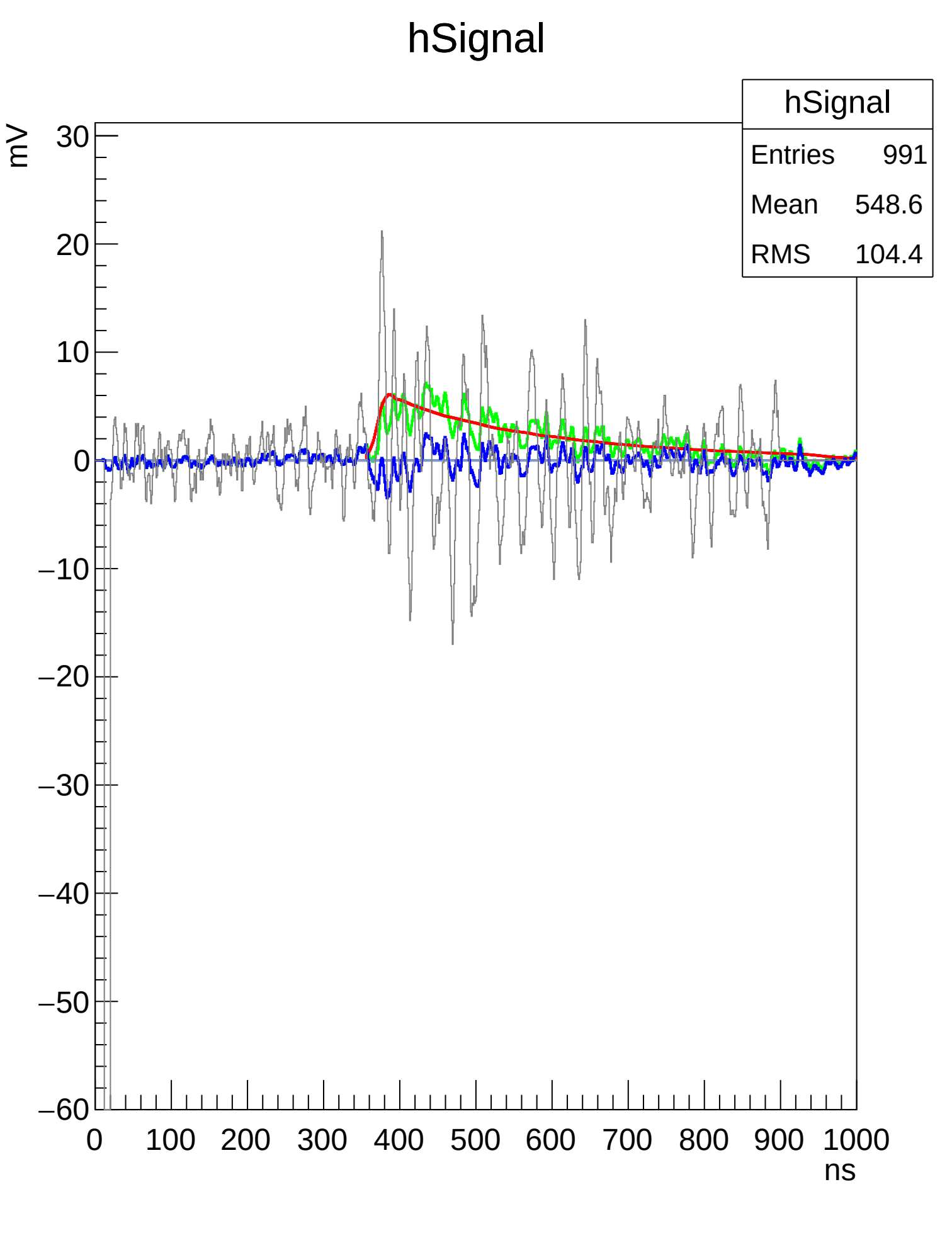
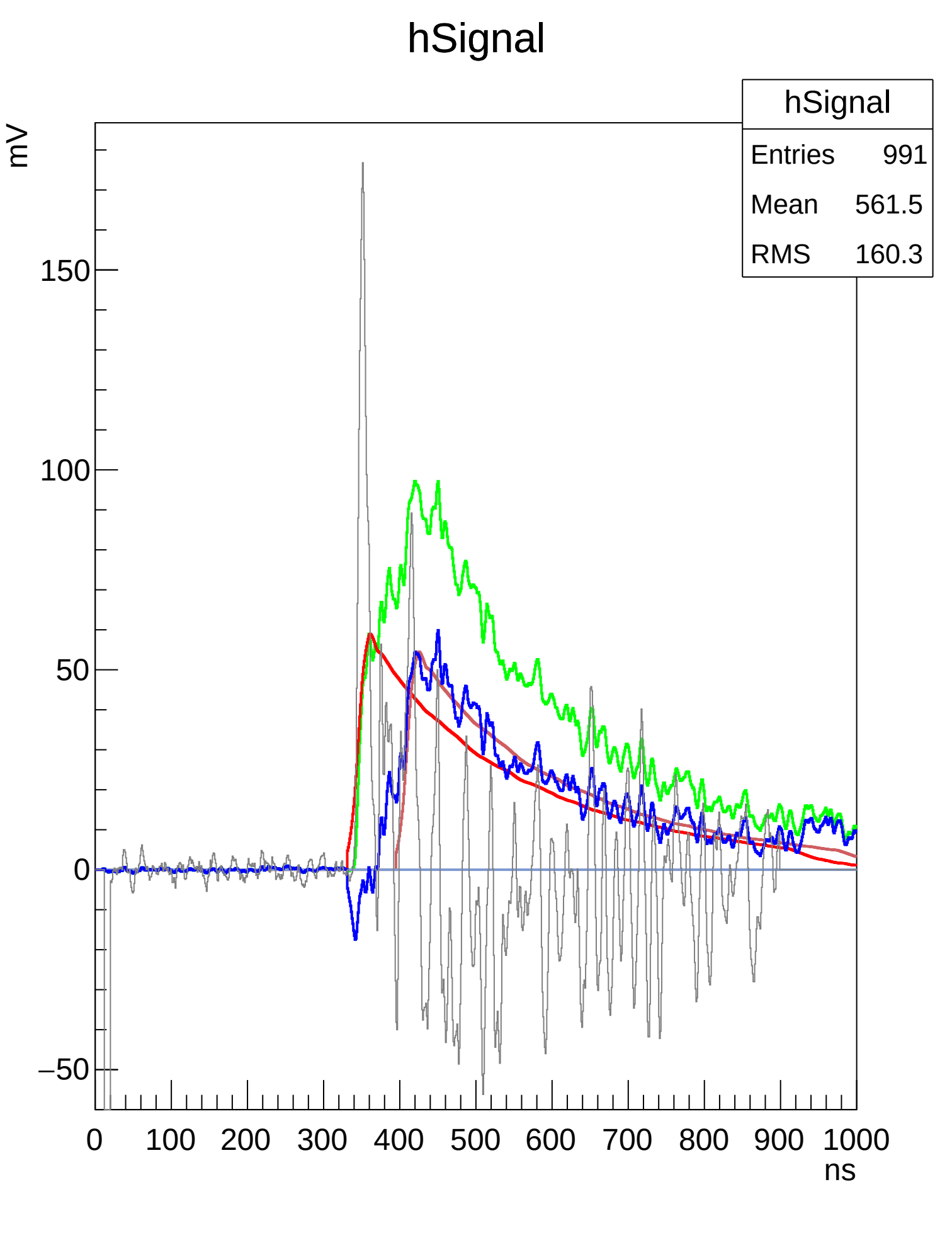
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.6
RMS 104.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.5
RMS 160.3
mV
150
100
50
0
−50
0
100
200
300
400
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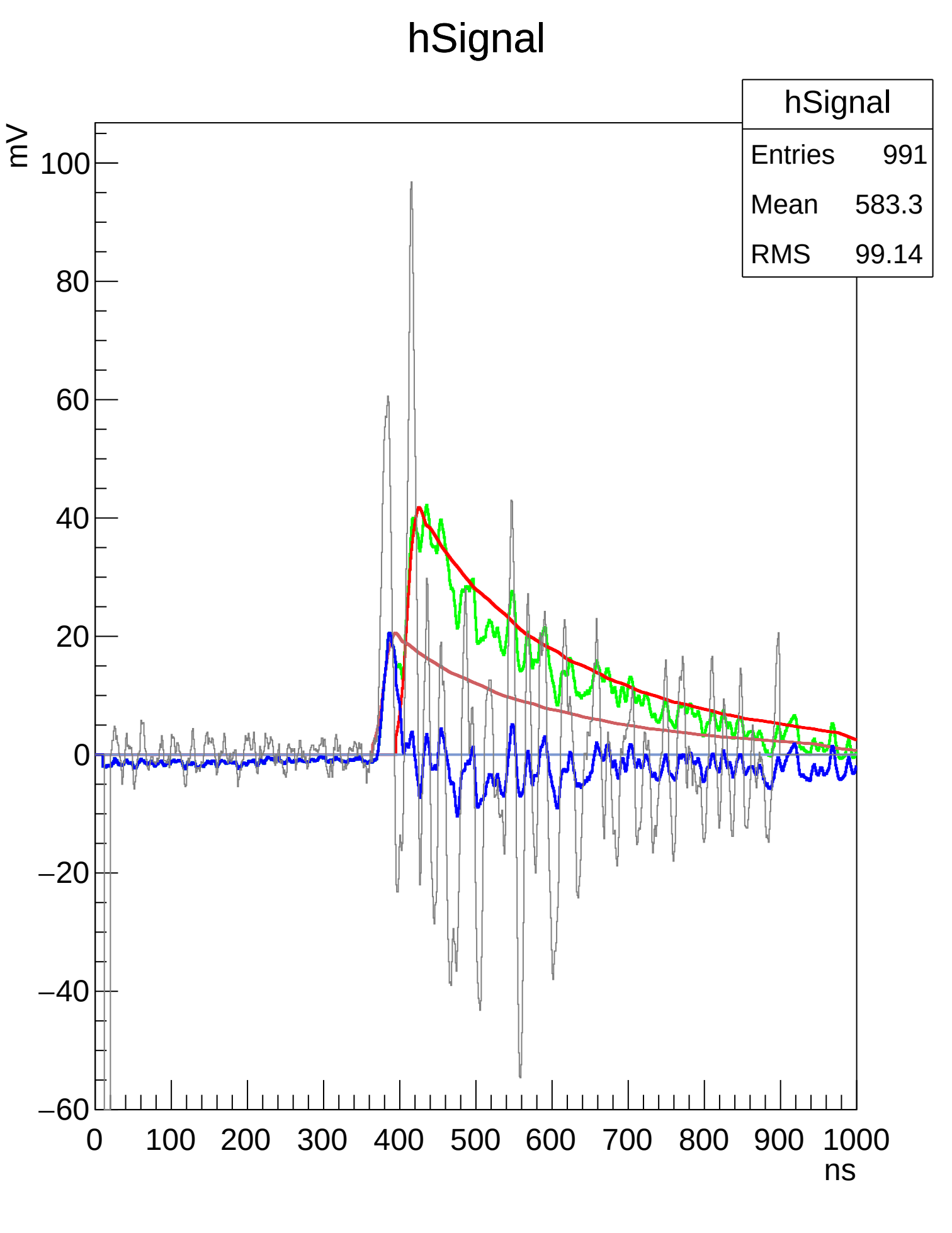
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 99.14
mV
100
80
60
40
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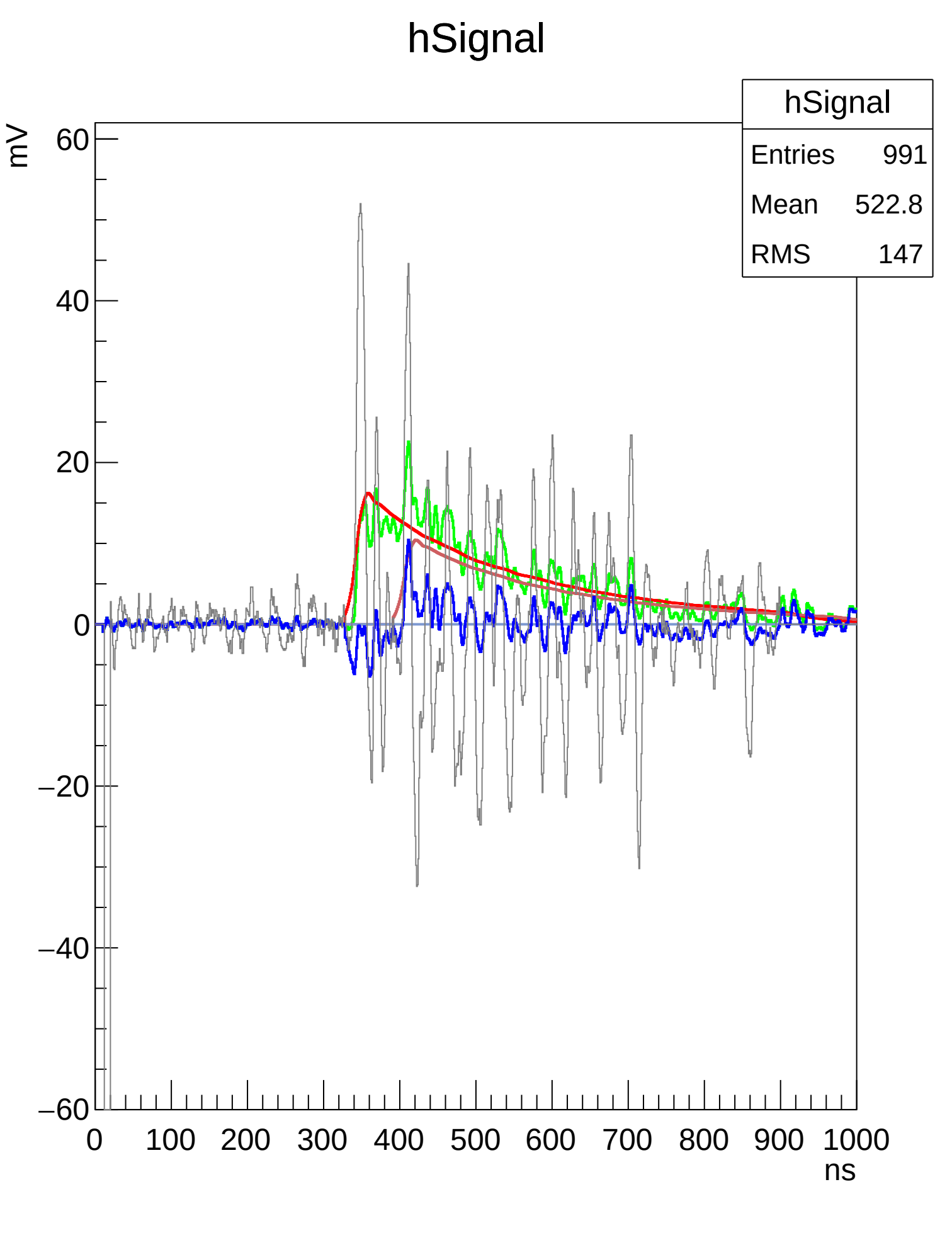
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.8
RMS 147
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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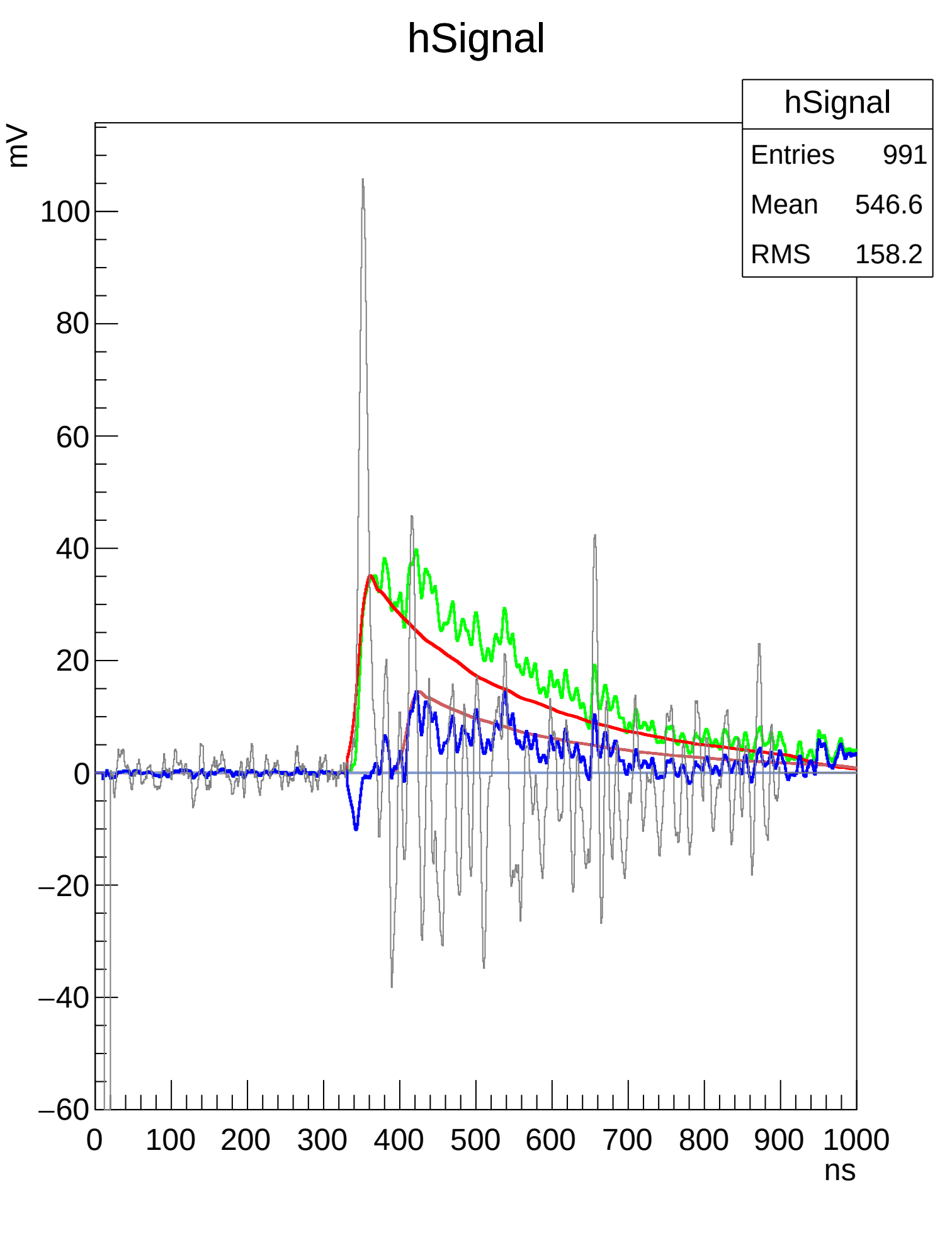
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.6
RMS 158.2
mV
100
80
60
40
20
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−20
−40
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0
100
200
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400
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800
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1000
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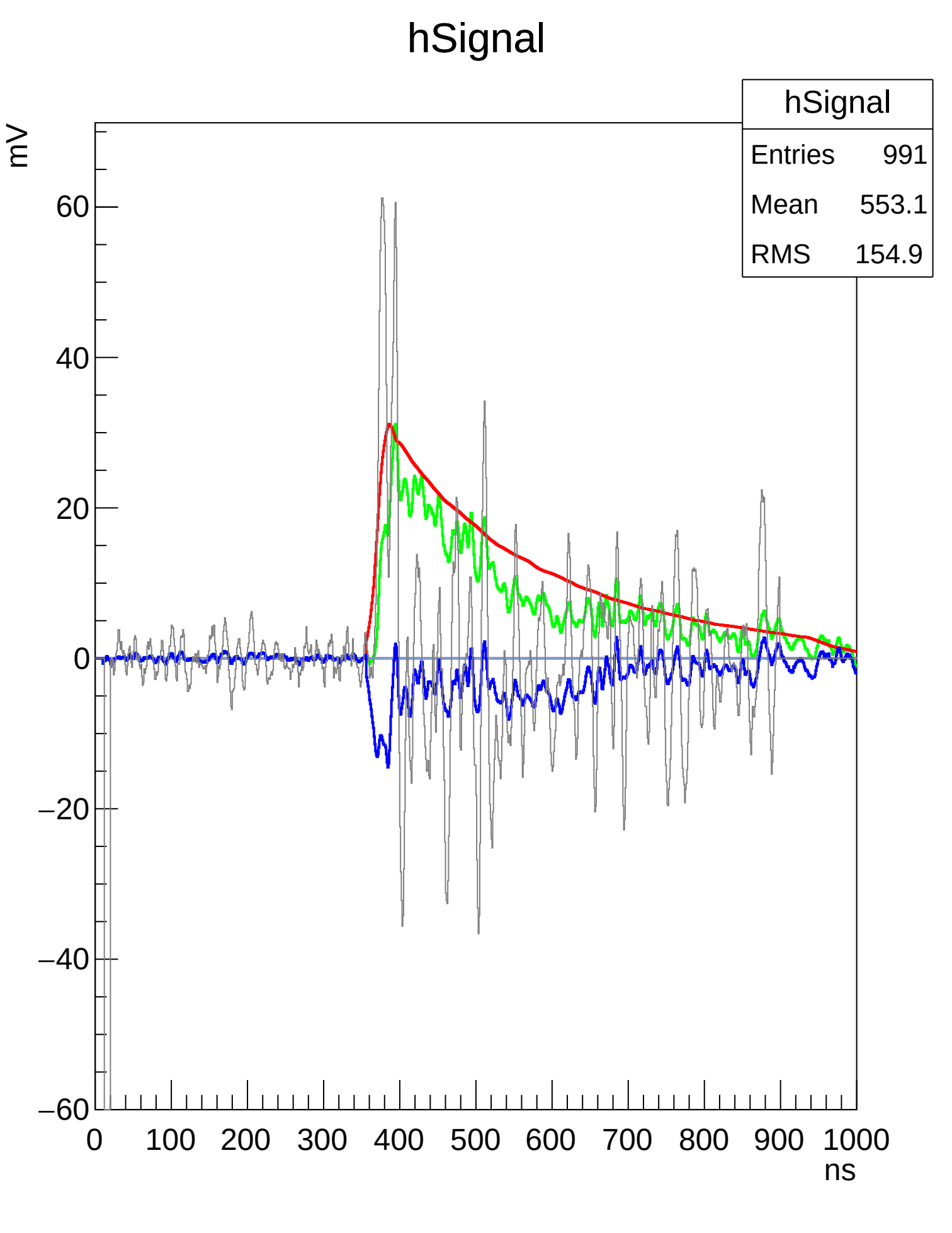
hSignal
hSignal
Entries 991
Mean 553.1
RMS 154.9
mV
60
40
20
0
−20
−40
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0
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600
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800
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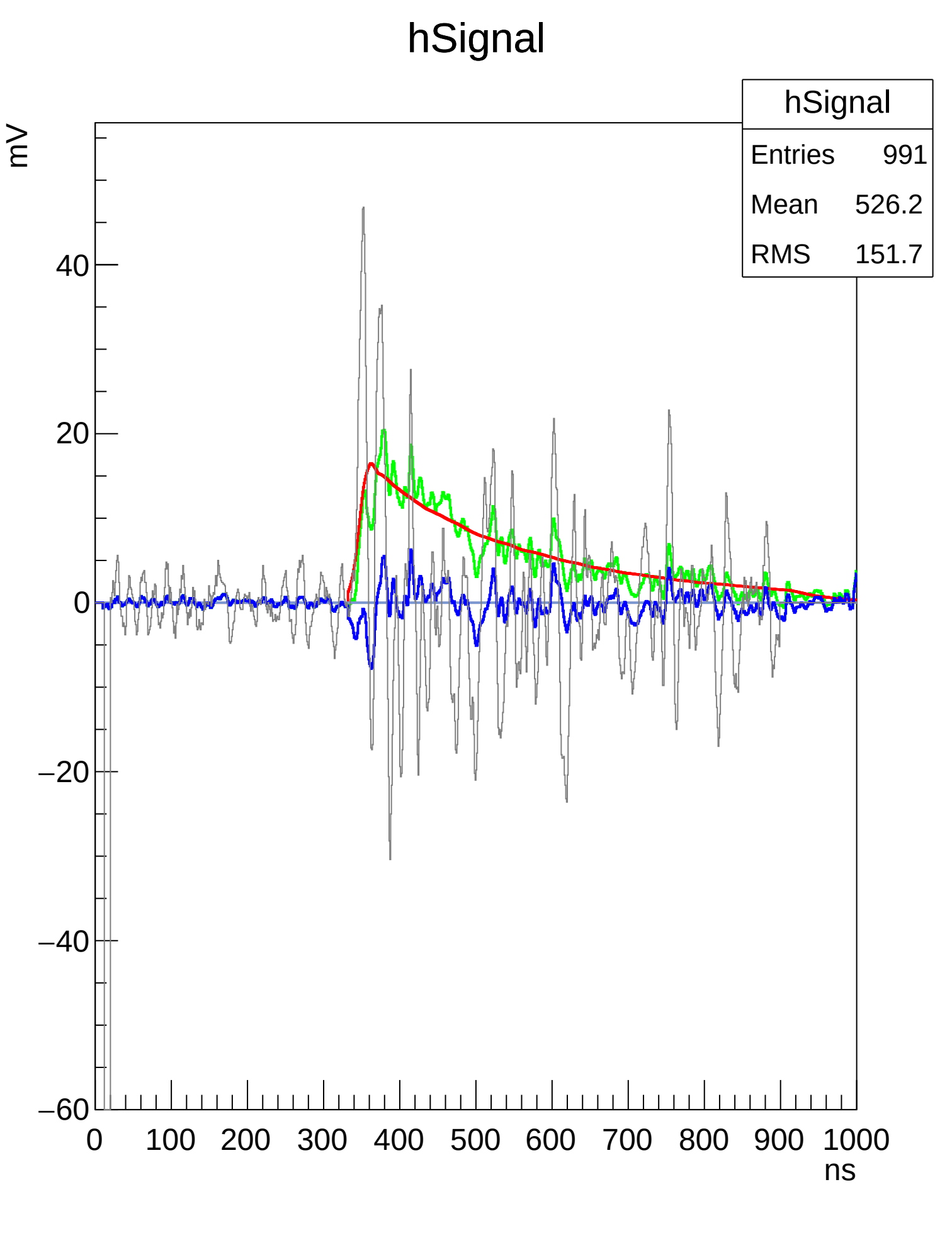
hSignal
hSignal
Entries 991
Mean 526.2
RMS 151.7
mV
40
20
0
−20
−40
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0
100
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600
700
800
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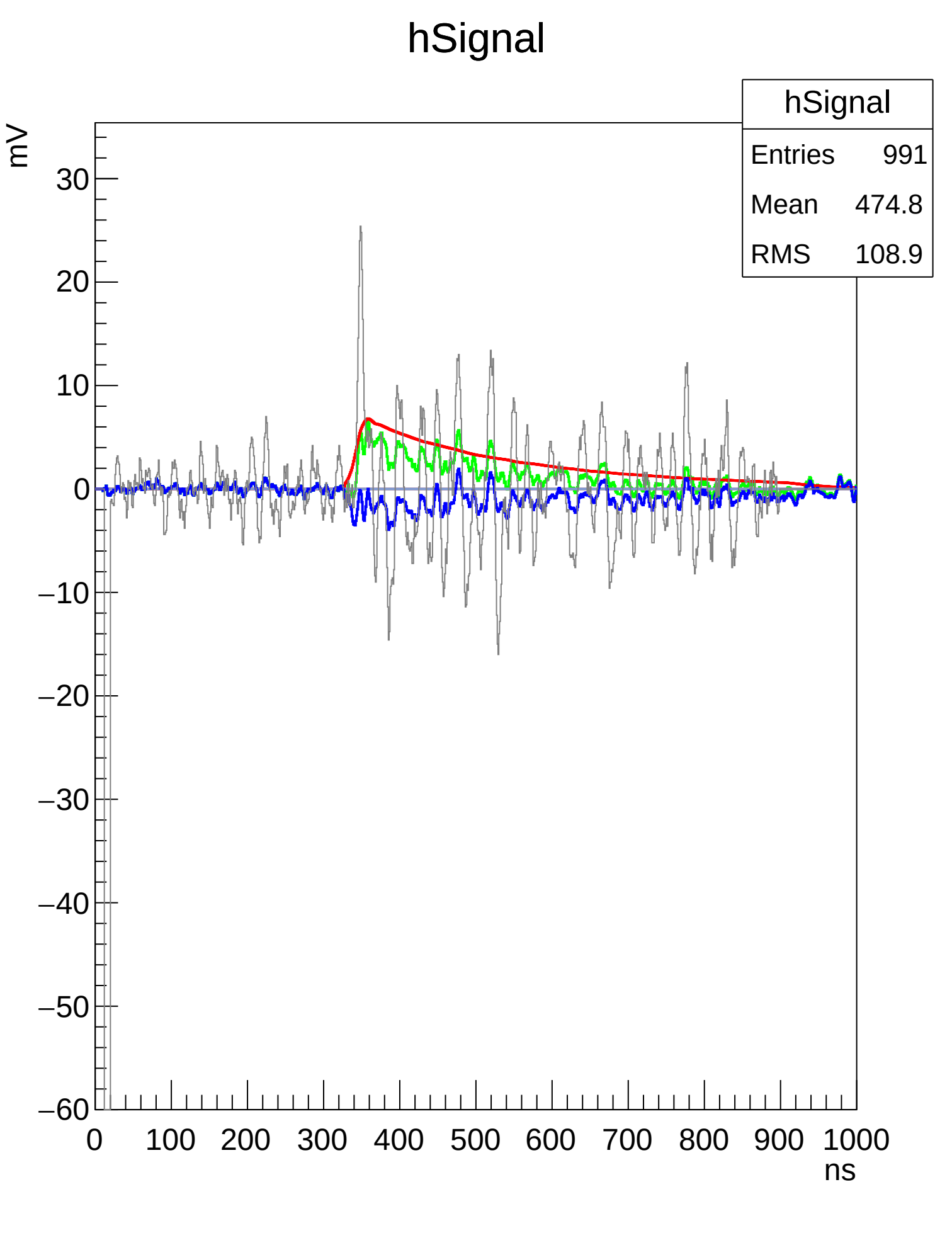
1000
ns


hSignal
hSignal
Entries 991
Mean 474.8
RMS 108.9
mV
30
20
10
0
−10
−20
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−40
−50
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0
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200
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400
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1000
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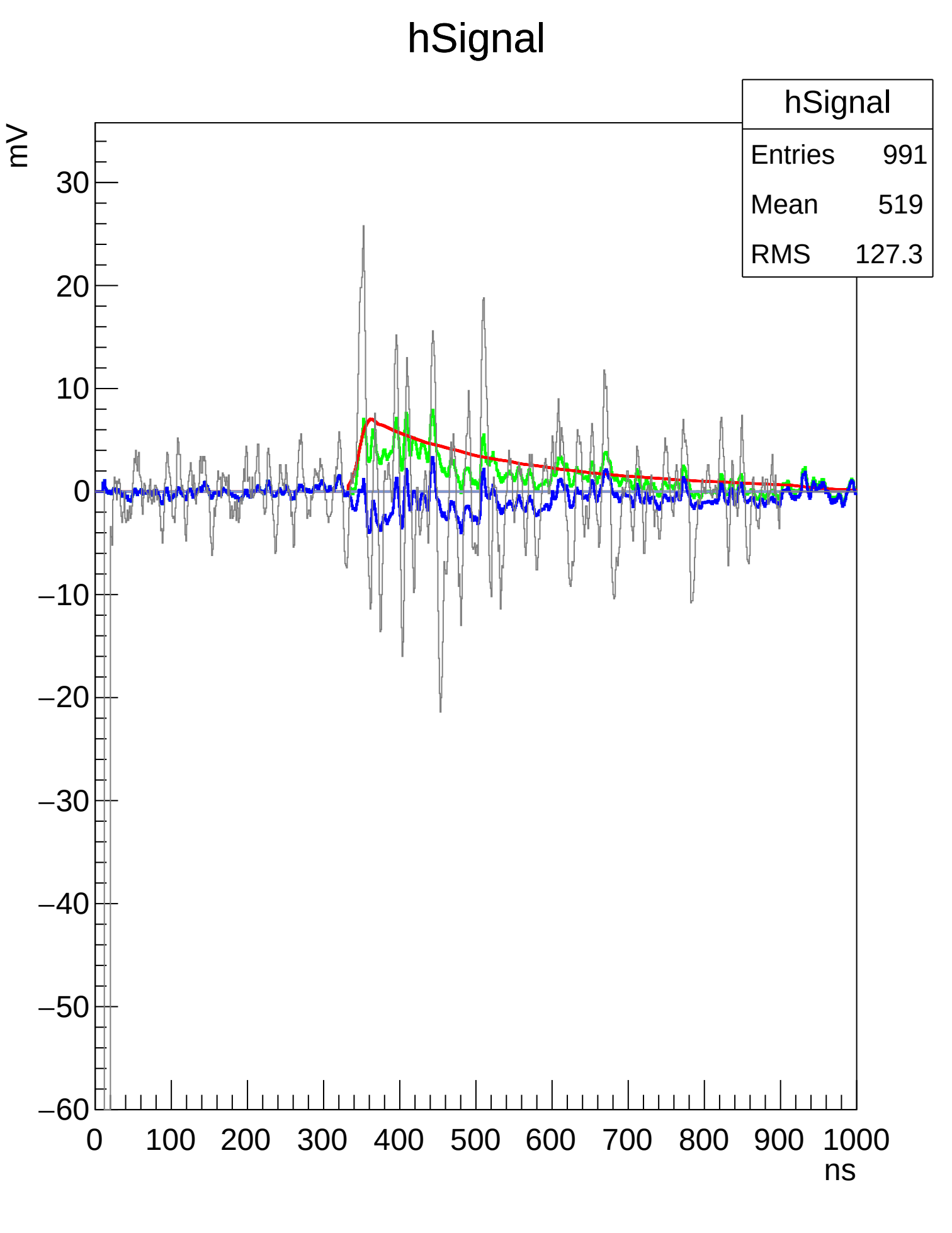
hSignal
hSignal
Entries 991
Mean 519
RMS 127.3
mV
30
20
10
0
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−40
−50
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0
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1000
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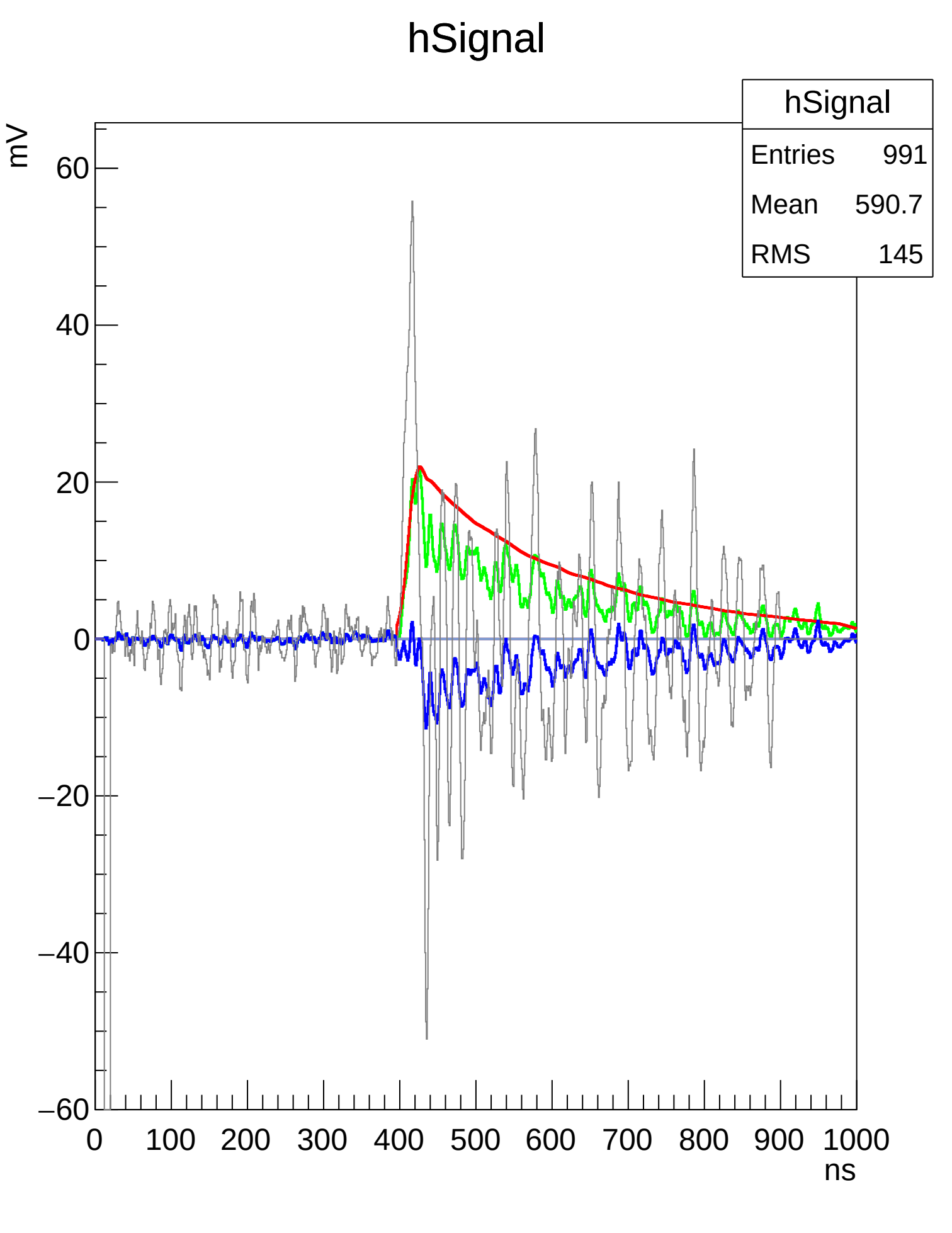
hSignal
hSignal
Entries 991
Mean 590.7
RMS 145
mV
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−20
−40
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0
100
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600
700
800
900
1000
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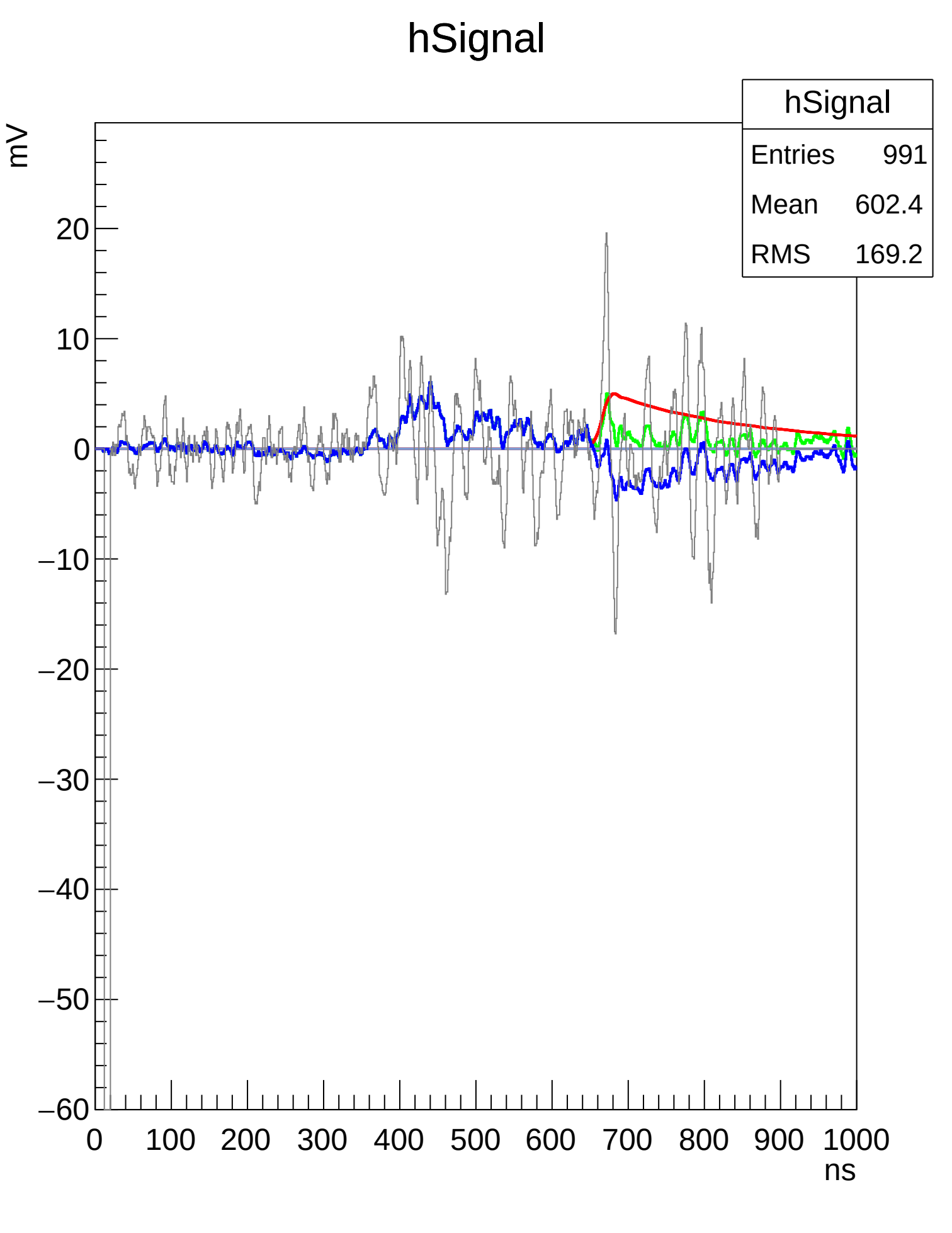
hSignal
hSignal
Entries 991
Mean 602.4
RMS 169.2
mV
20
10
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−20
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−50
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0
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200
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400
500
600
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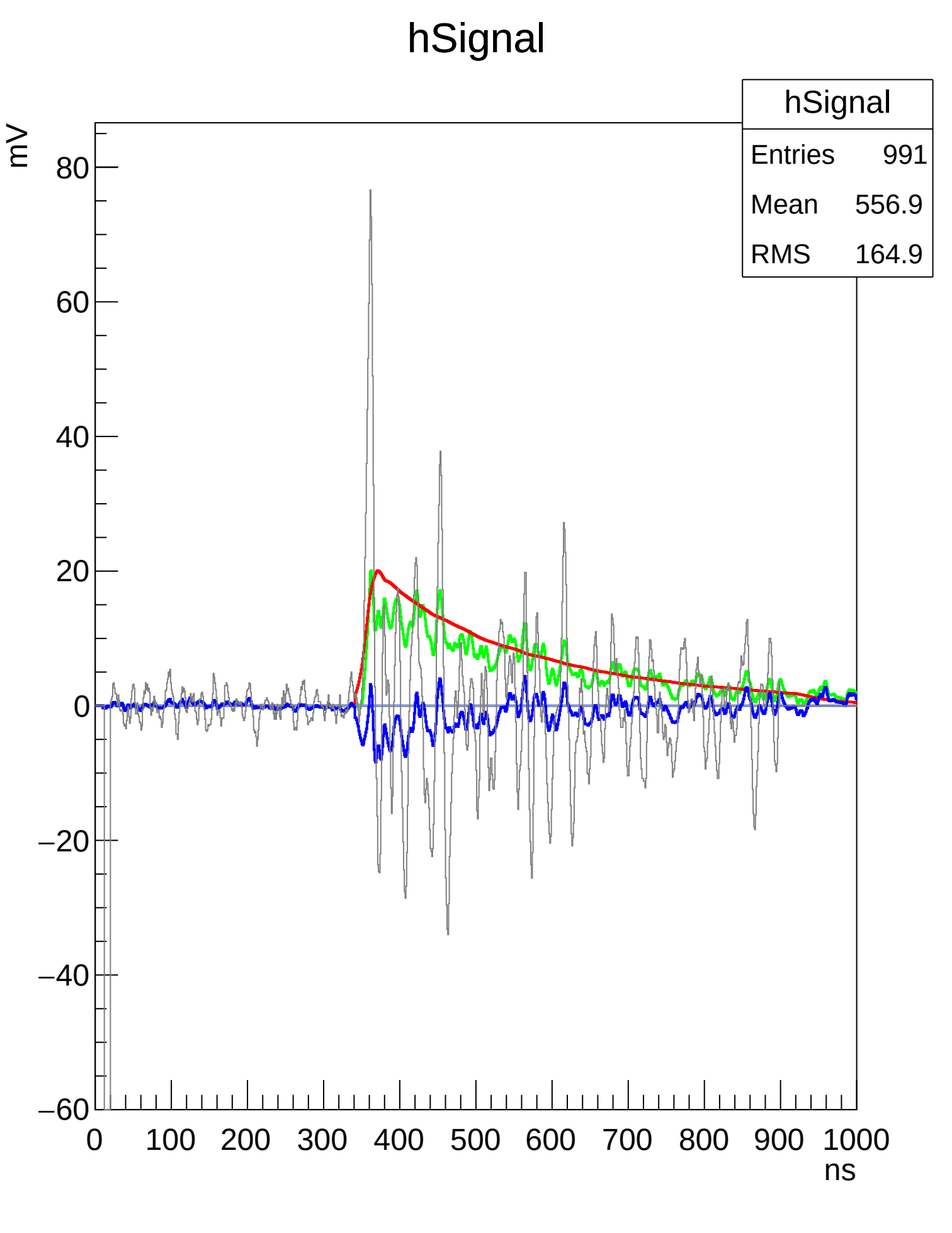
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.9
RMS 164.9
mV
80
60
40
20
0
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−40
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0
100
200
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400
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600
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1000
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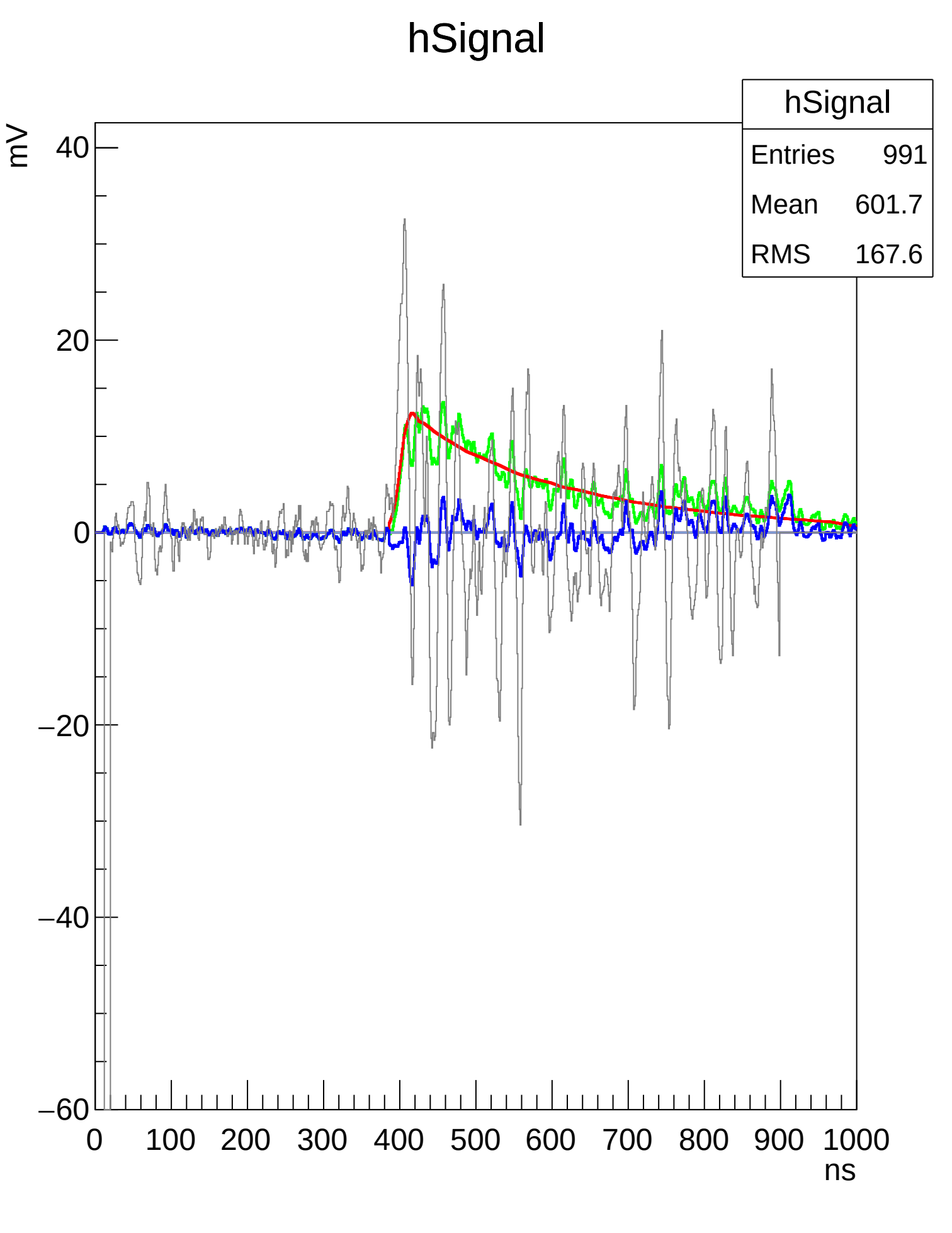
hSignal
hSignal
Entries 991
Mean 601.7
RMS 167.6
mV
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−20
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100
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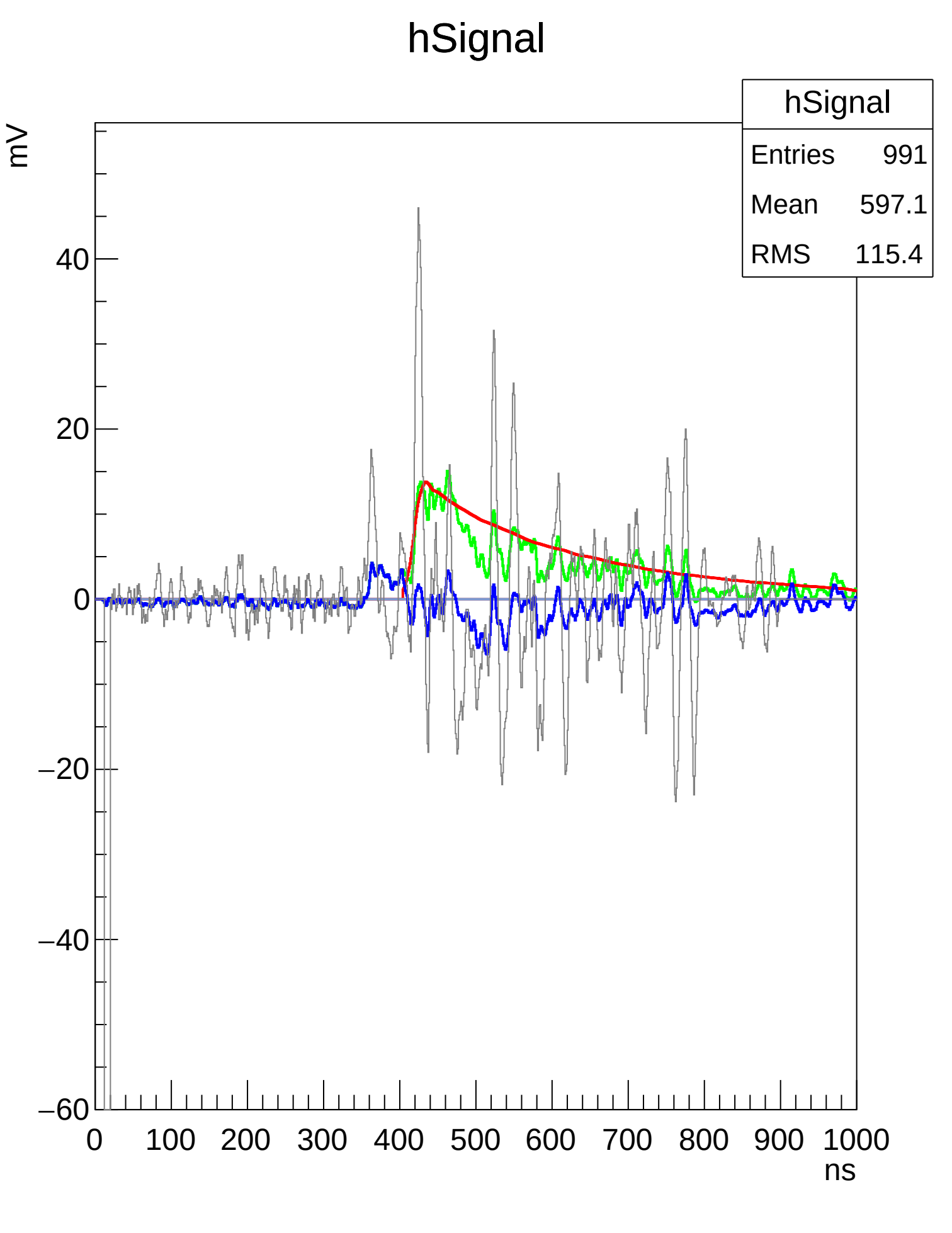
1000
ns


hSignal
hSignal
Entries 991
Mean 597.1
RMS 115.4
mV
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20
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−20
−40
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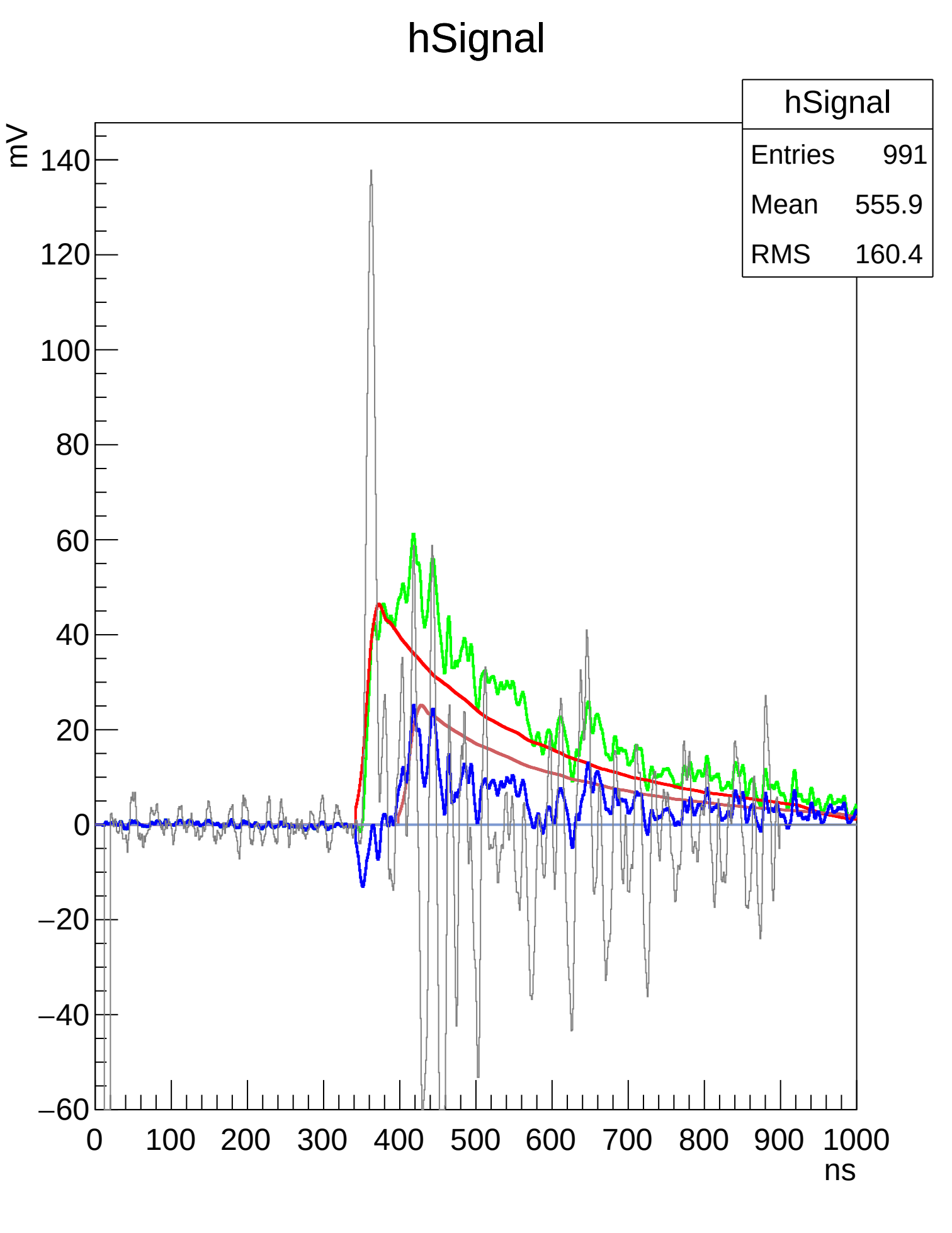
1000
ns


hSignal
hSignal
Entries 991
Mean 555.9
RMS 160.4
mV
140
120
100
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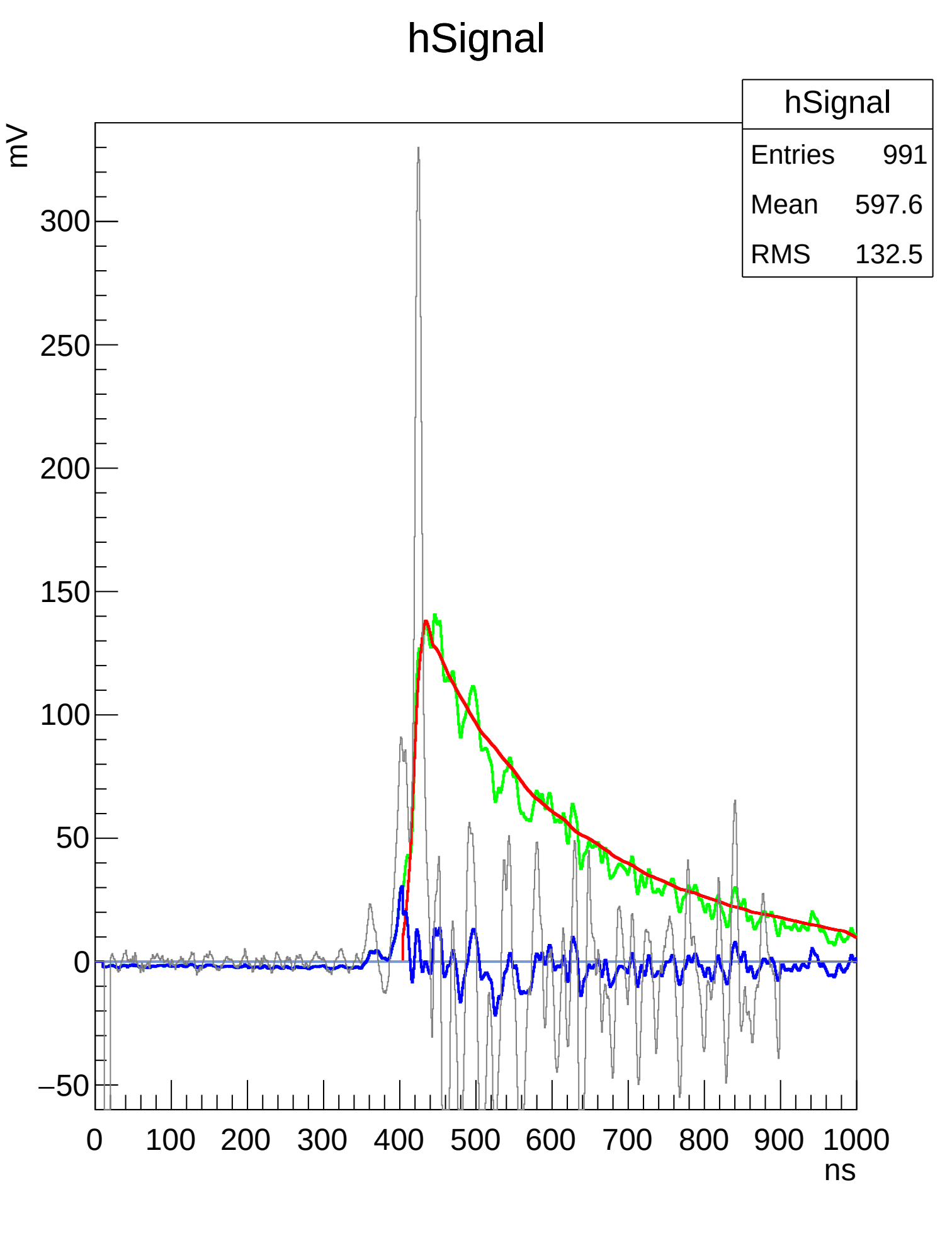
hSignal
hSignal
Entries 991
Mean 597.6
RMS 132.5
mV
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250
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400
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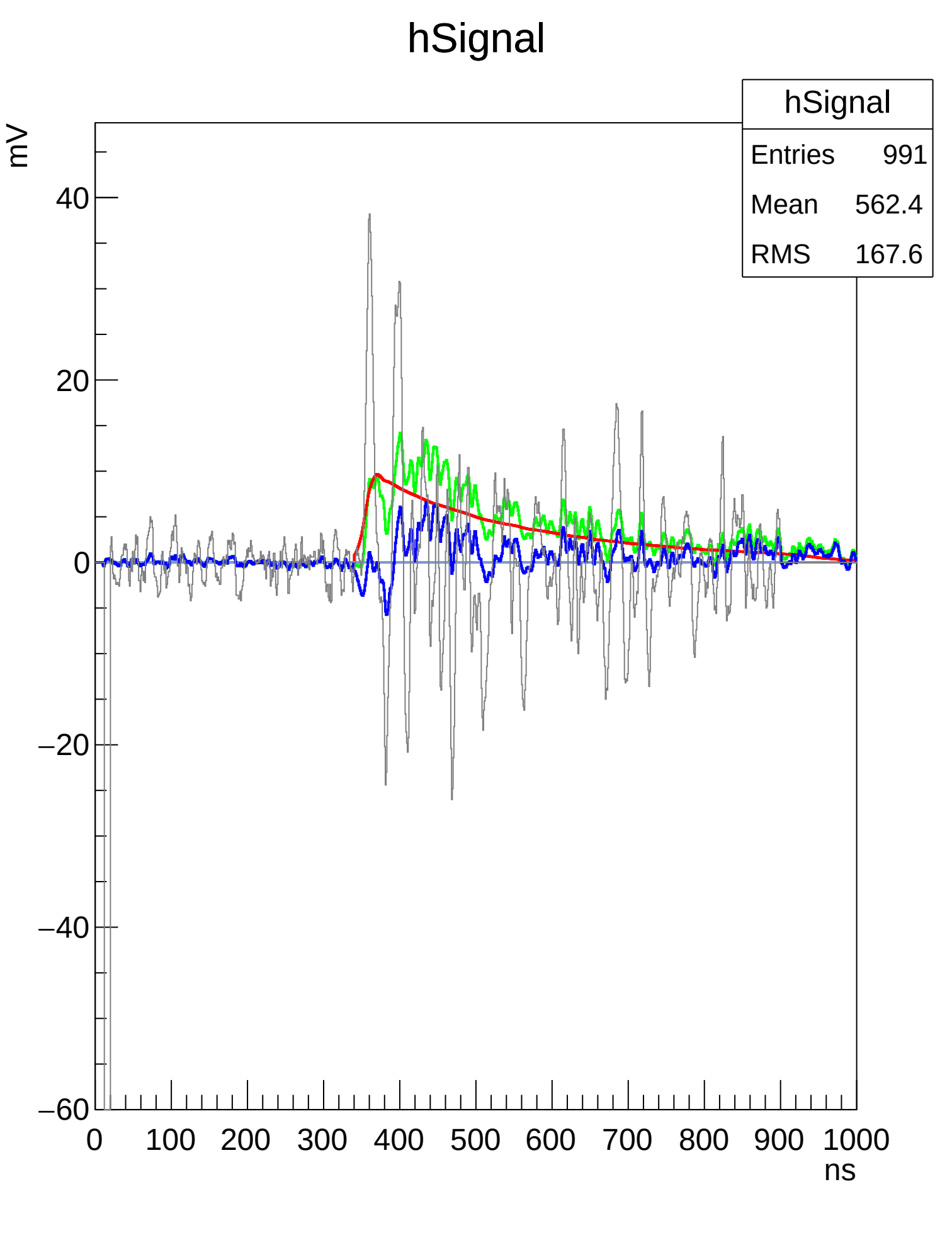
ns


hSignal
hSignal
Entries 991
Mean 562.4
RMS 167.6
mV
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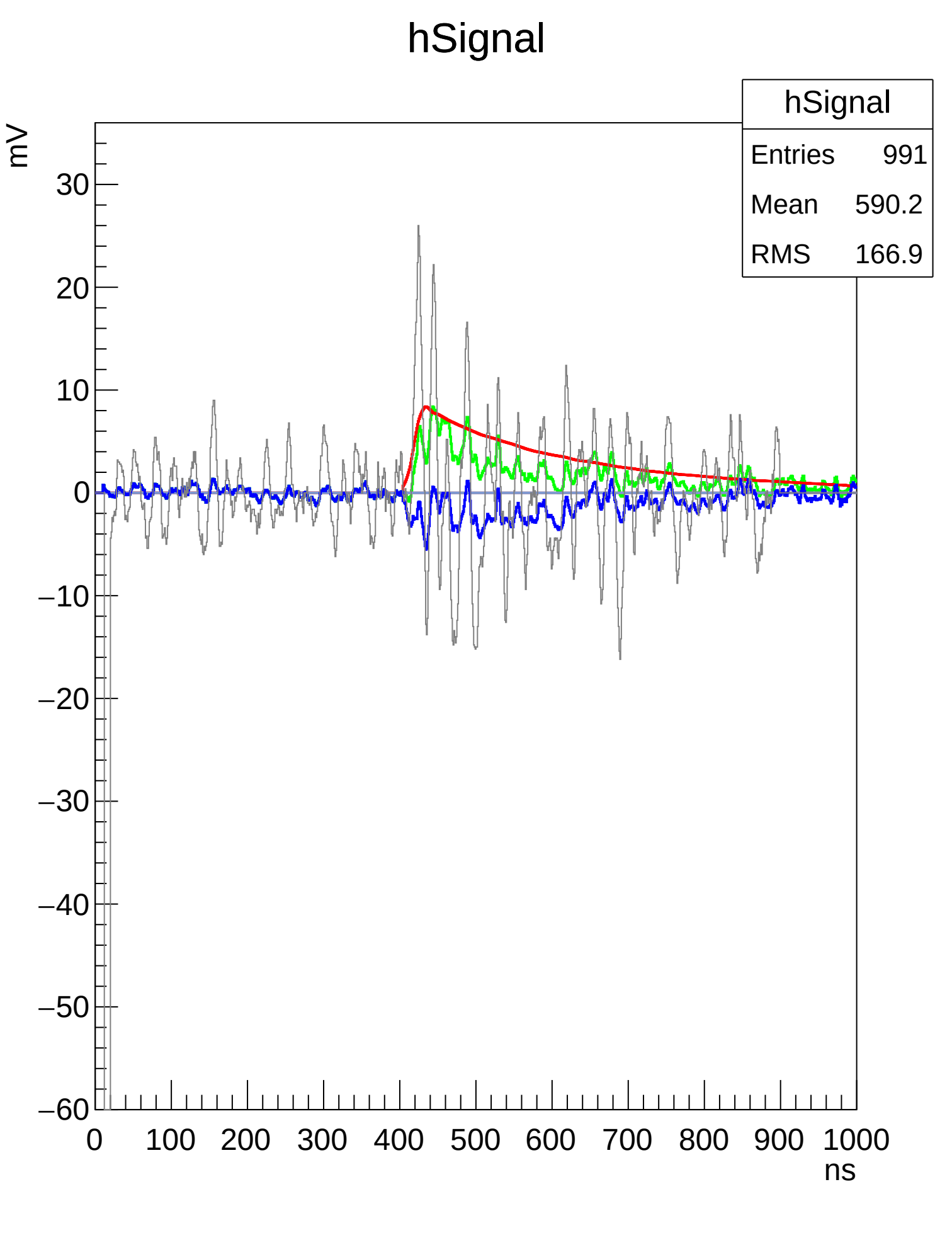
1000
ns


hSignal
hSignal
Entries 991
Mean 590.2
RMS 166.9
mV
30
20
10
0
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−50
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400
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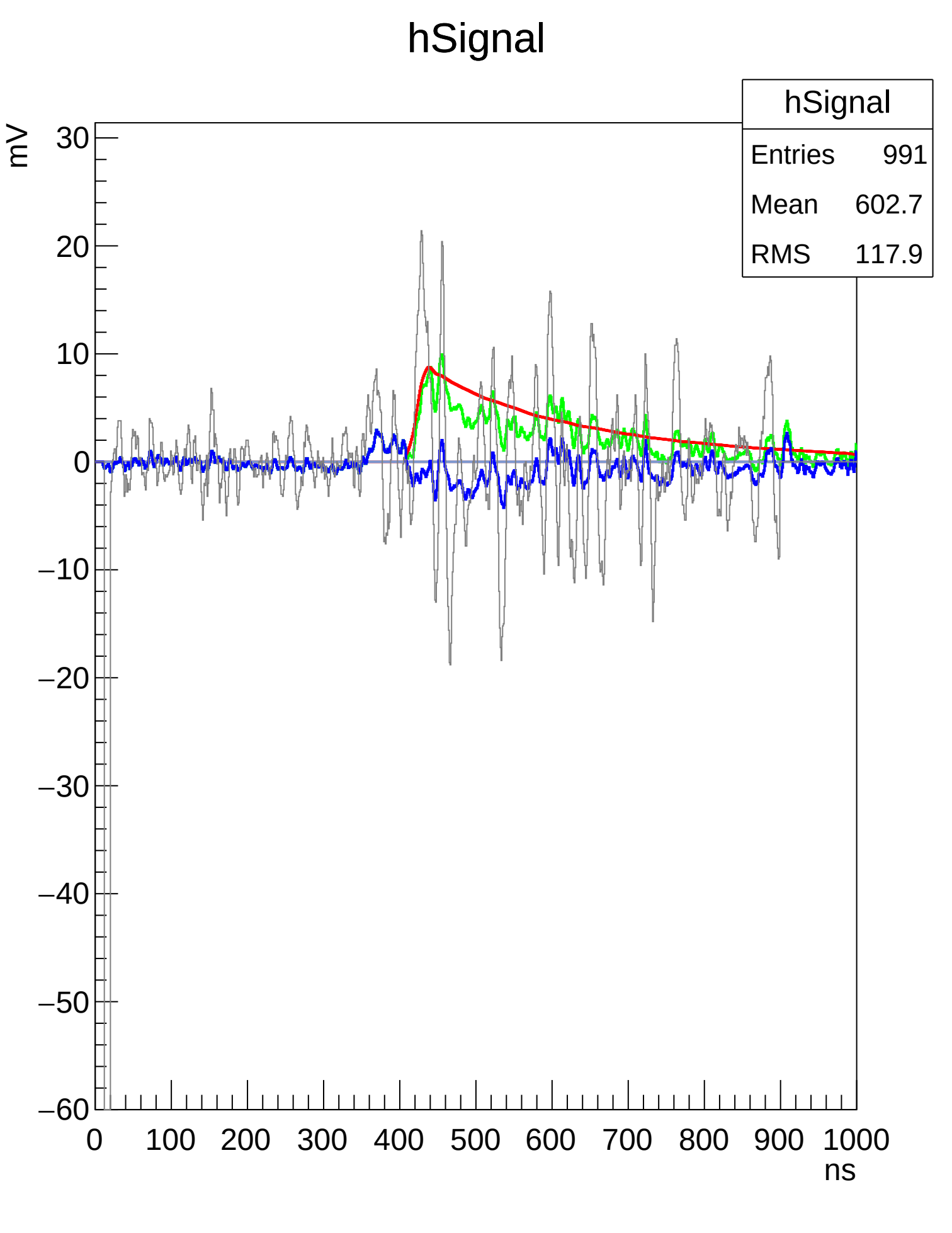
1000
ns


hSignal
hSignal
Entries 991
Mean 602.7
RMS 117.9
mV
30
20
10
0
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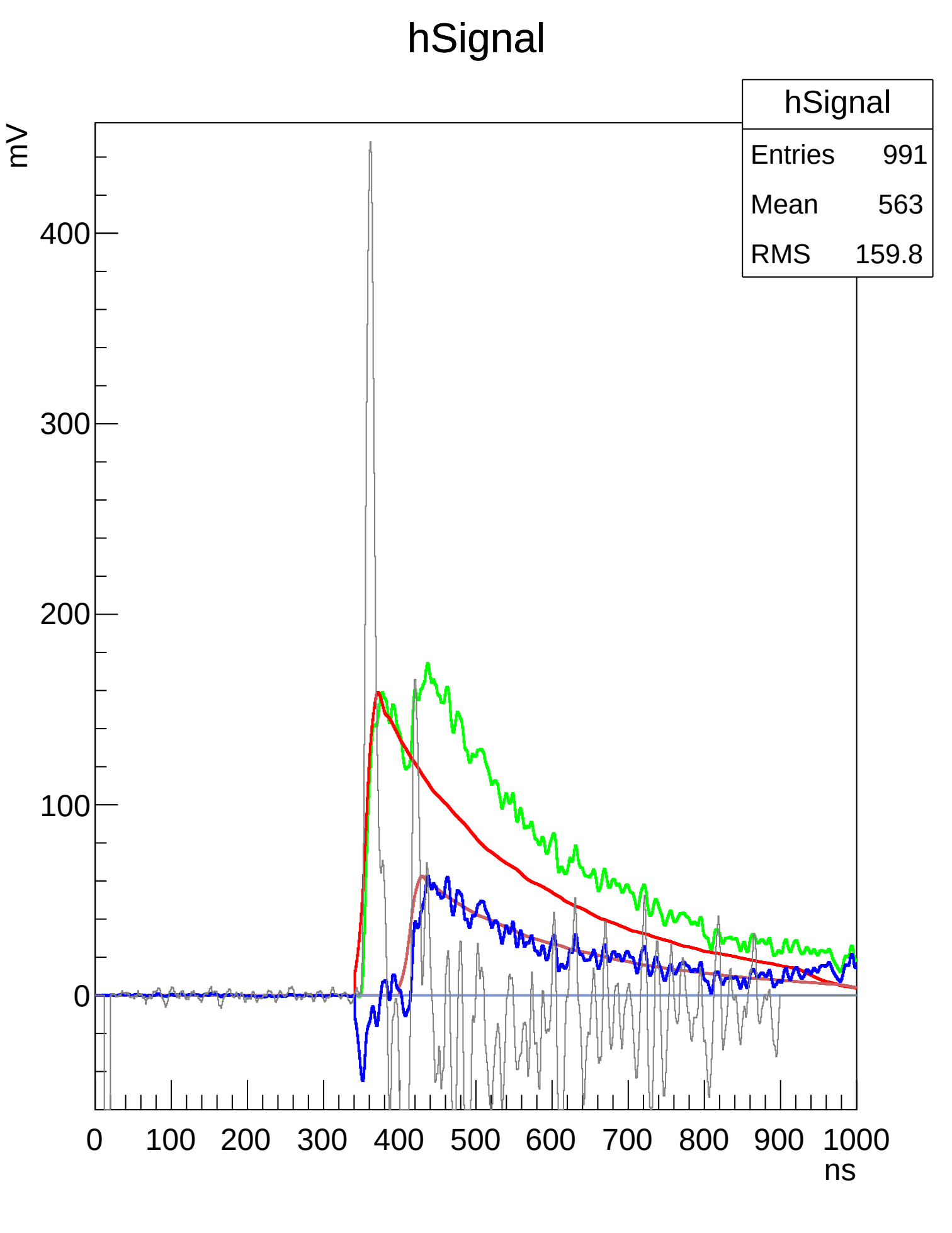
1000
ns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hSignal
Entries 991
Mean 563
RMS 159.8
mV
400
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200
100
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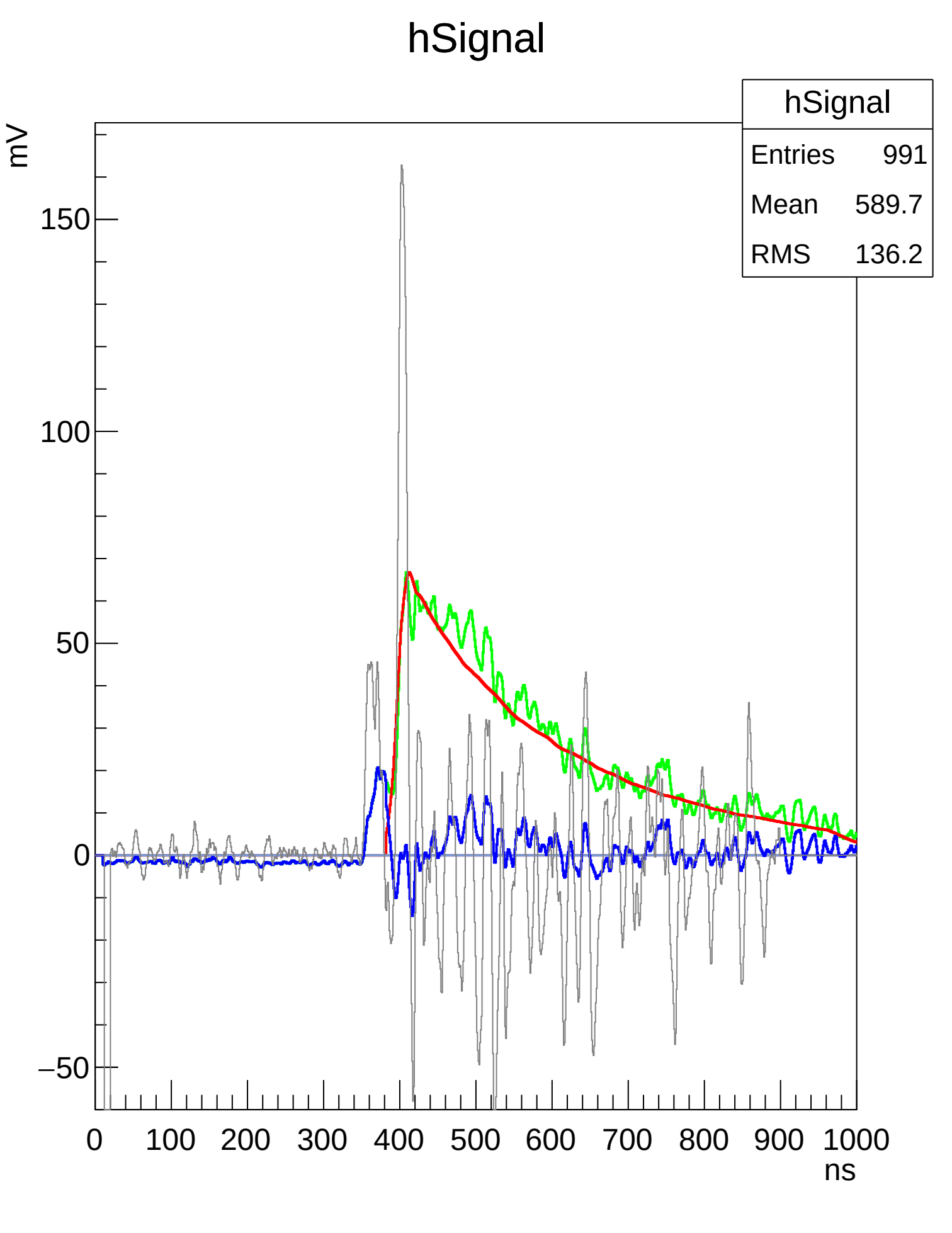
ns


hSignal
hSignal
Entries 991
Mean 589.7
RMS 136.2
mV
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100
50
0
−50
0
100
200
300
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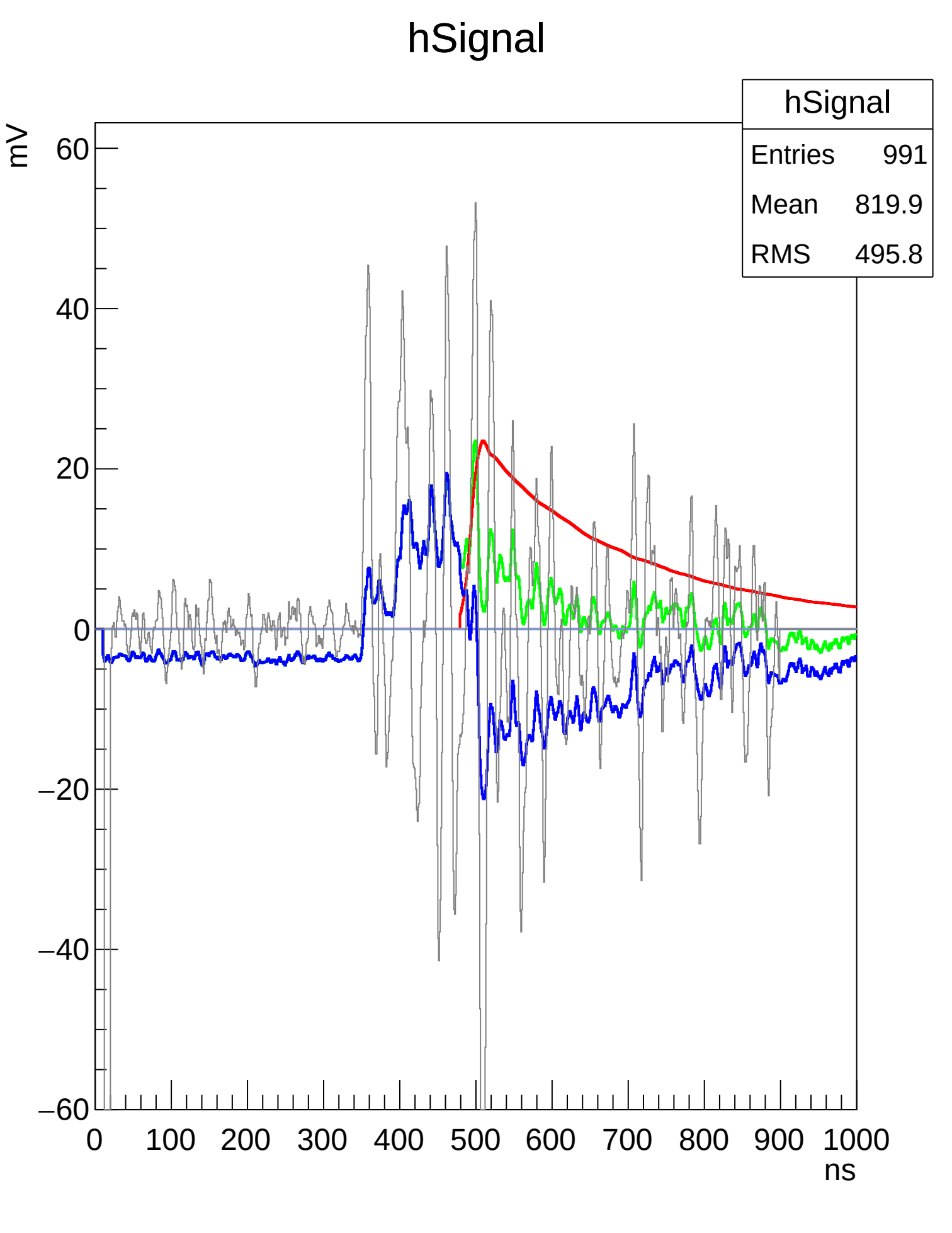
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 819.9
RMS 495.8
mV
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−20
−40
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0
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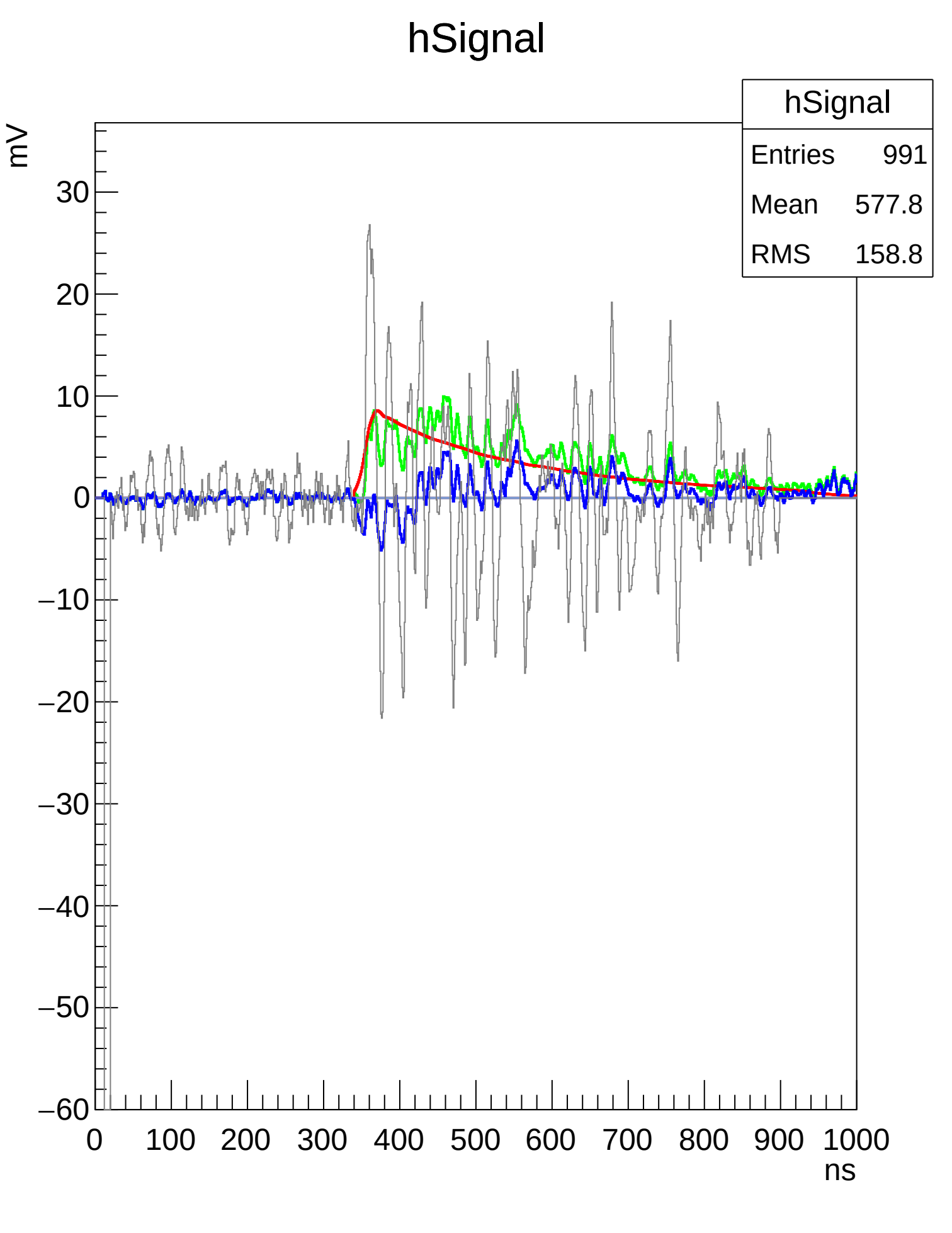
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 158.8
mV
30
20
10
0
−10
−20
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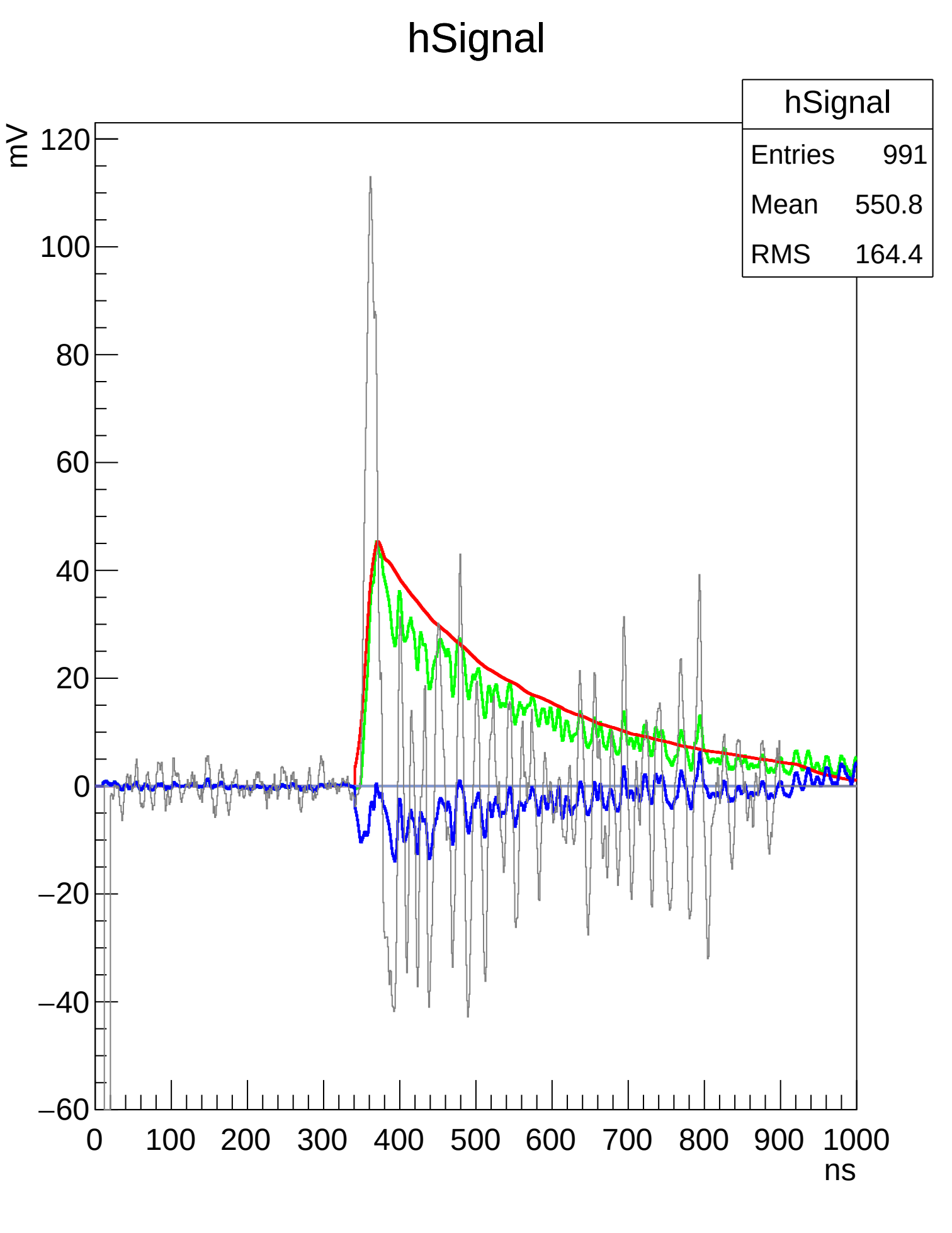
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.8
RMS 164.4
mV
120
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
500
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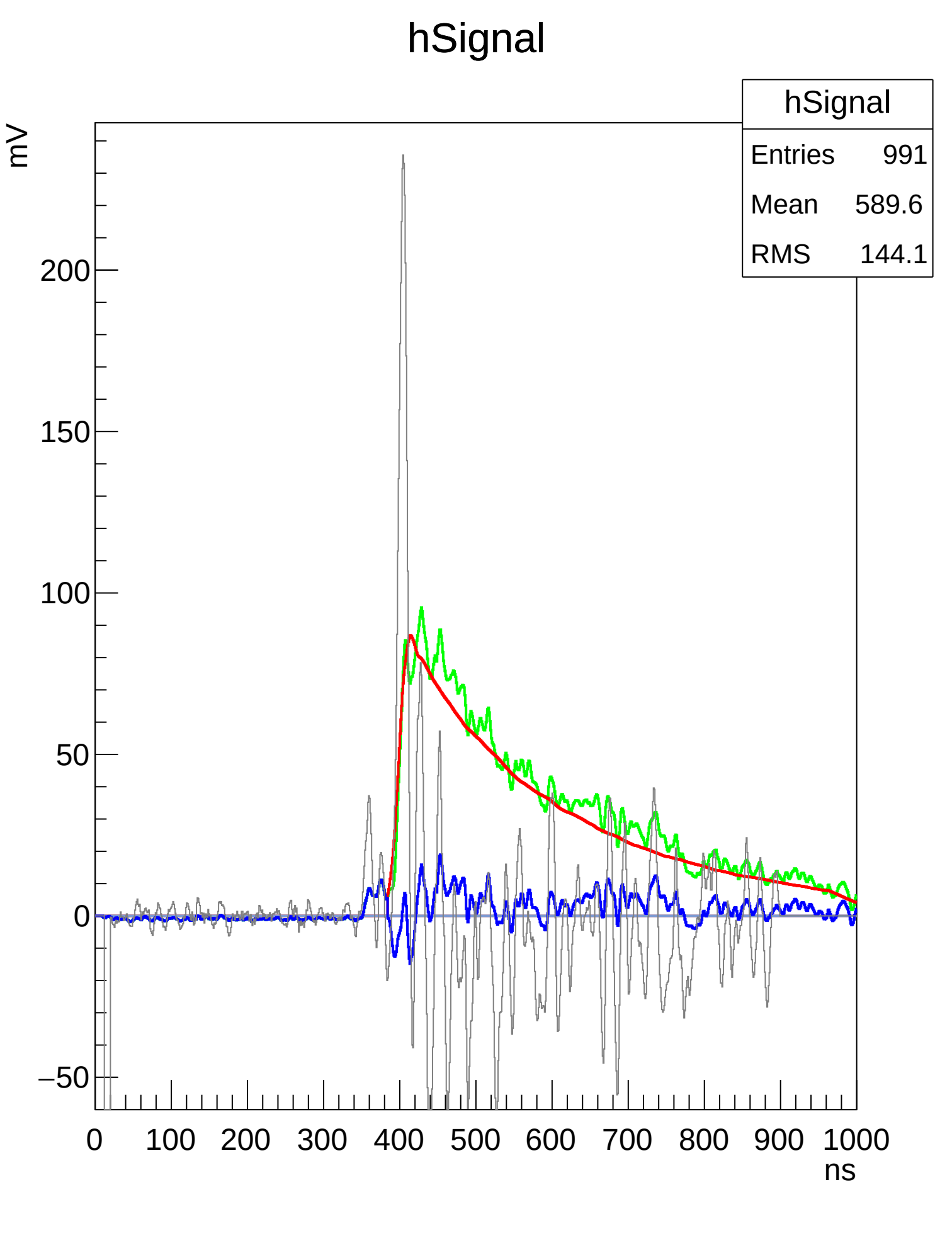
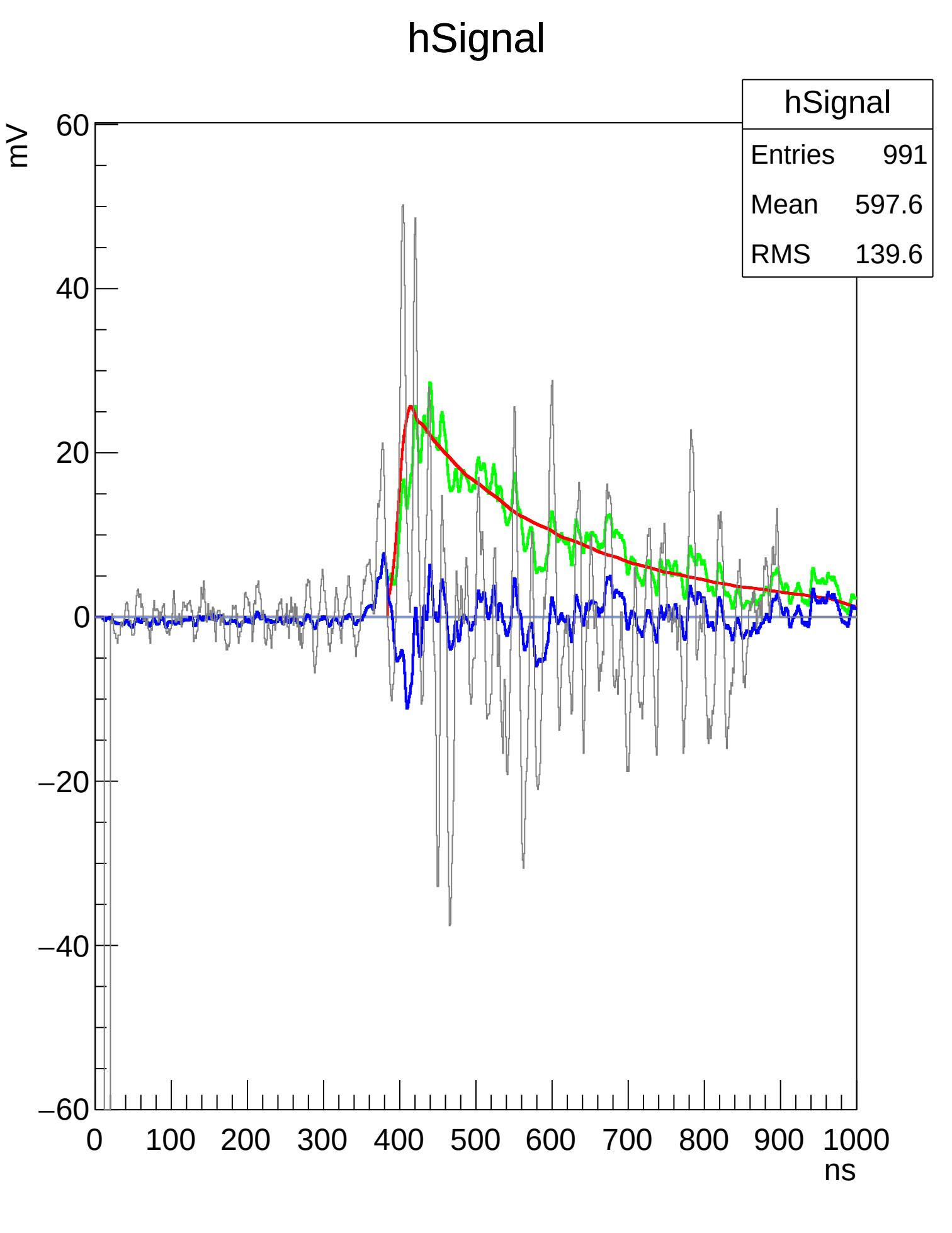
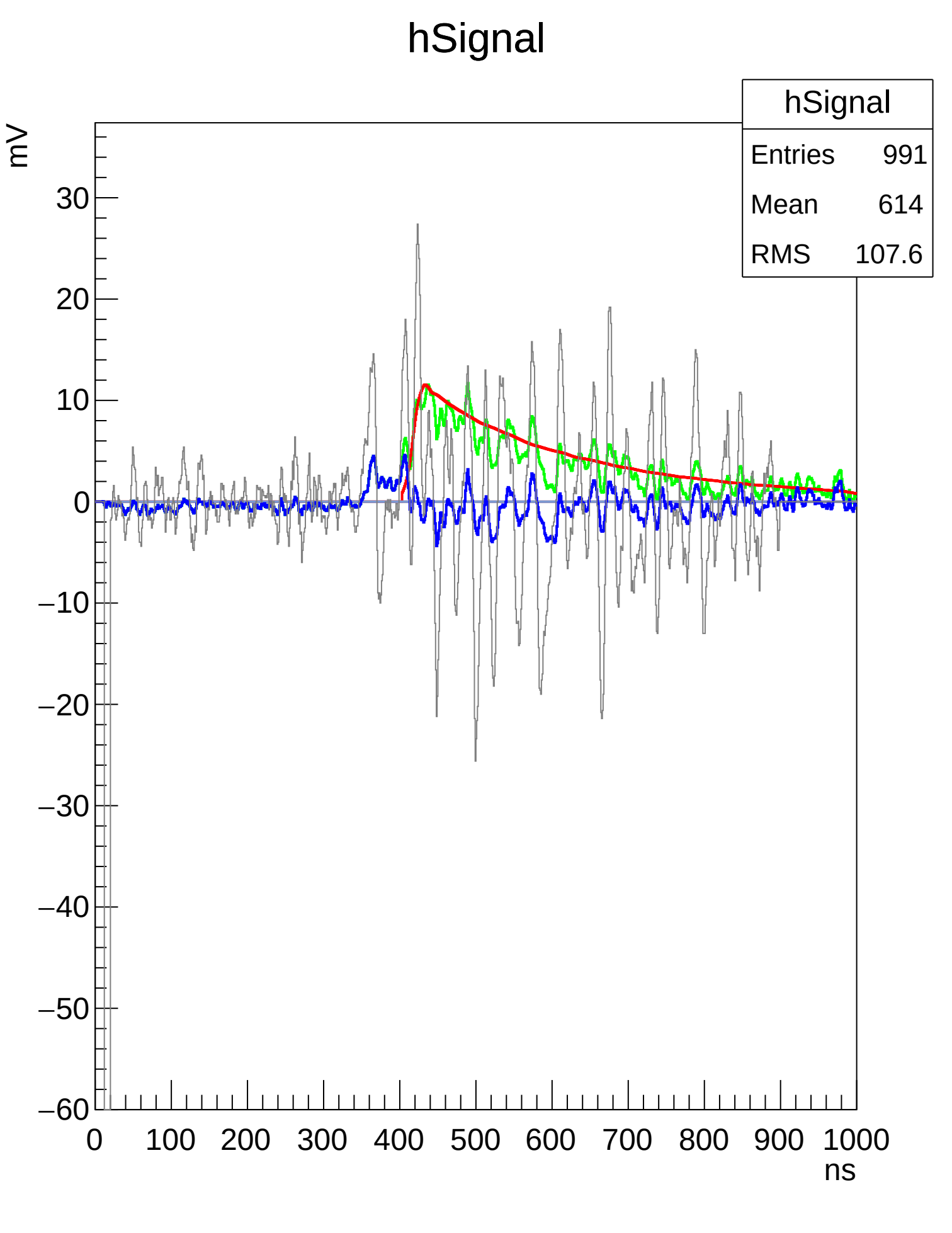

hSignal
hSignal
Entries 991
Mean 589.6
RMS 144.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.6
RMS 139.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614
RMS 107.6
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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800
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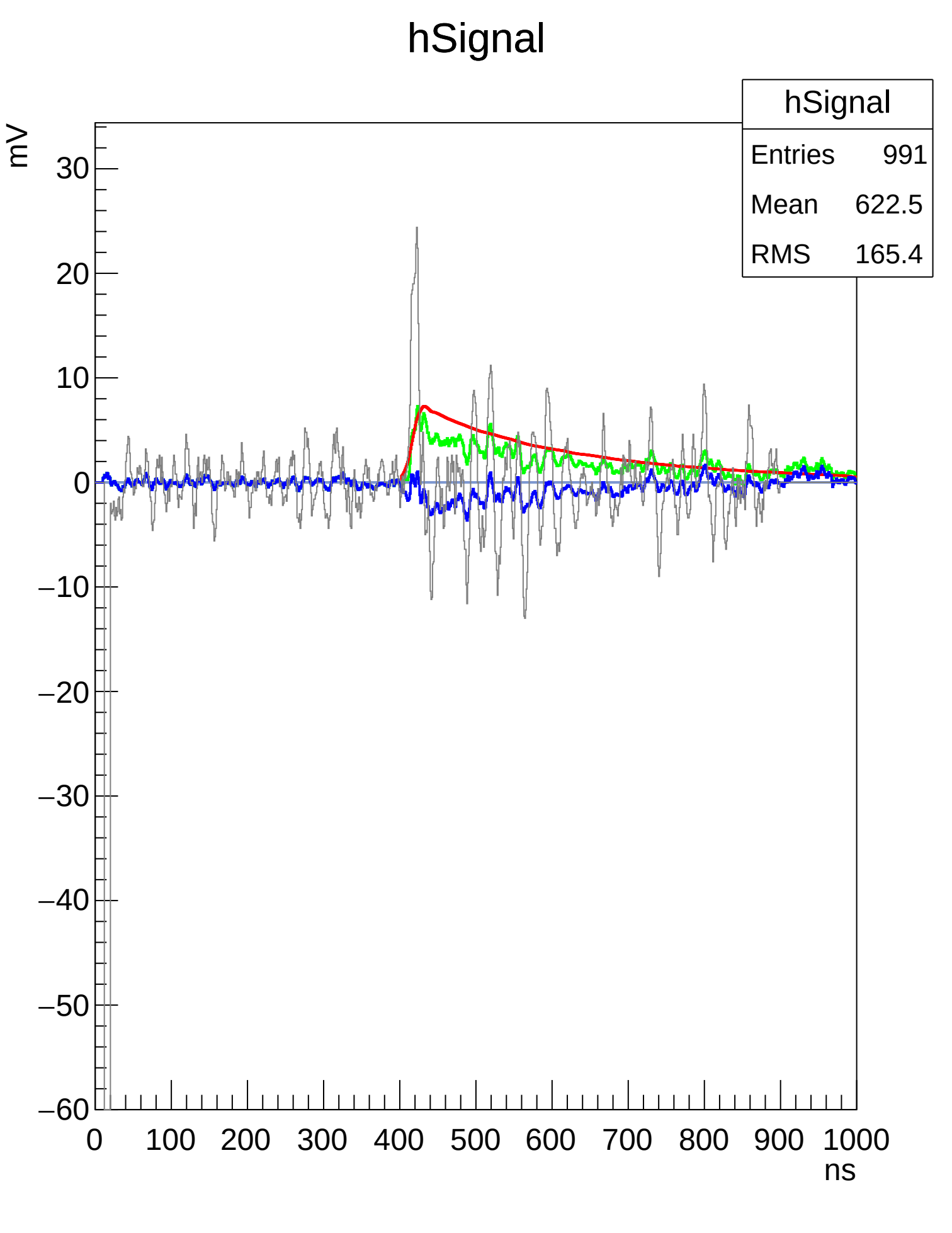
1000
ns


hSignal
hSignal
Entries 991
Mean 622.5
RMS 165.4
mV
30
20
10
0
−10
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−30
−40
−50
−60
0
100
200
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400
500
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800
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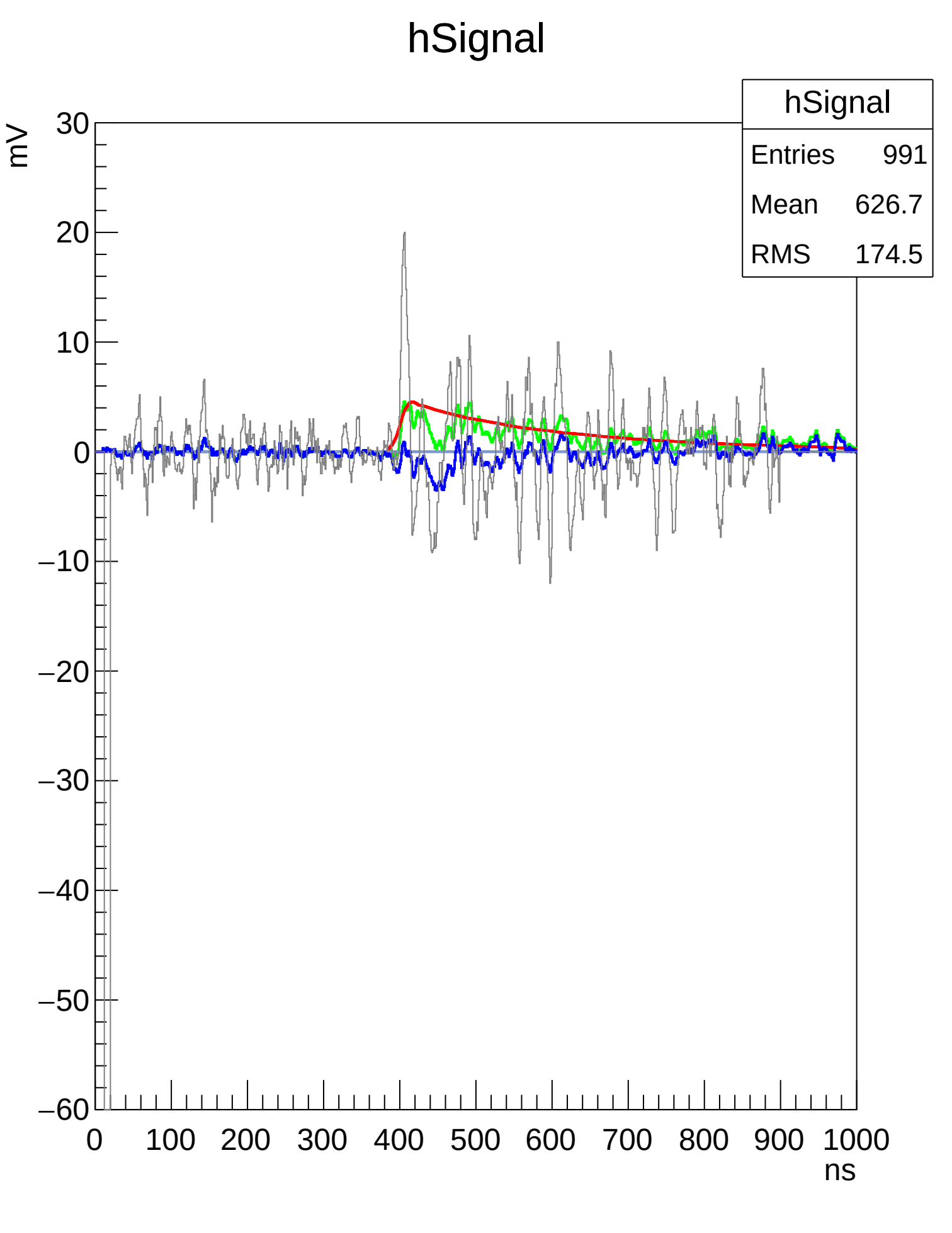
1000
ns


hSignal
hSignal
Entries 991
Mean 626.7
RMS 174.5
mV
30
20
10
0
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−50
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0
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200
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400
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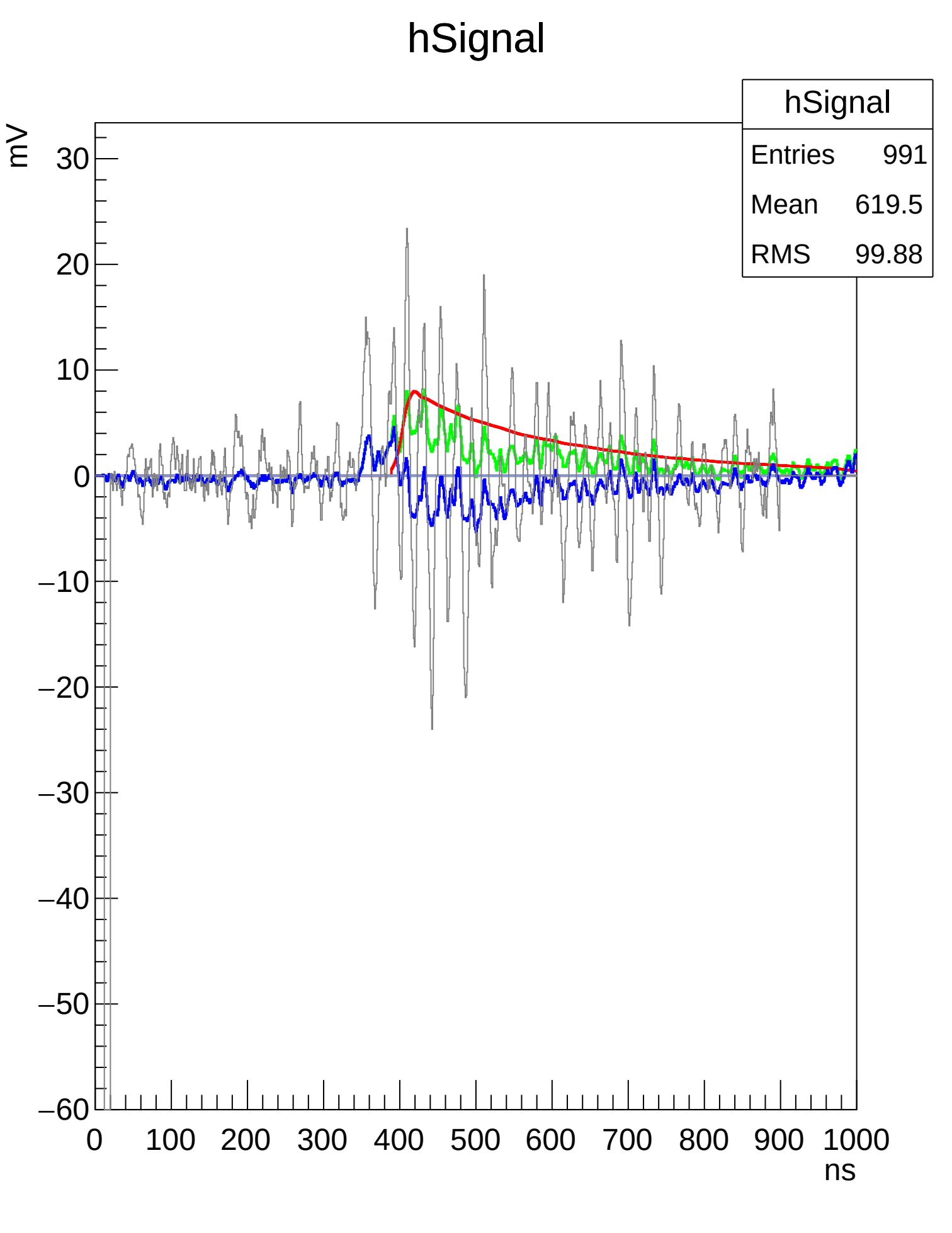
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.5
RMS 99.88
mV
30
20
10
0
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−40
−50
−60
0
100
200
300
400
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600
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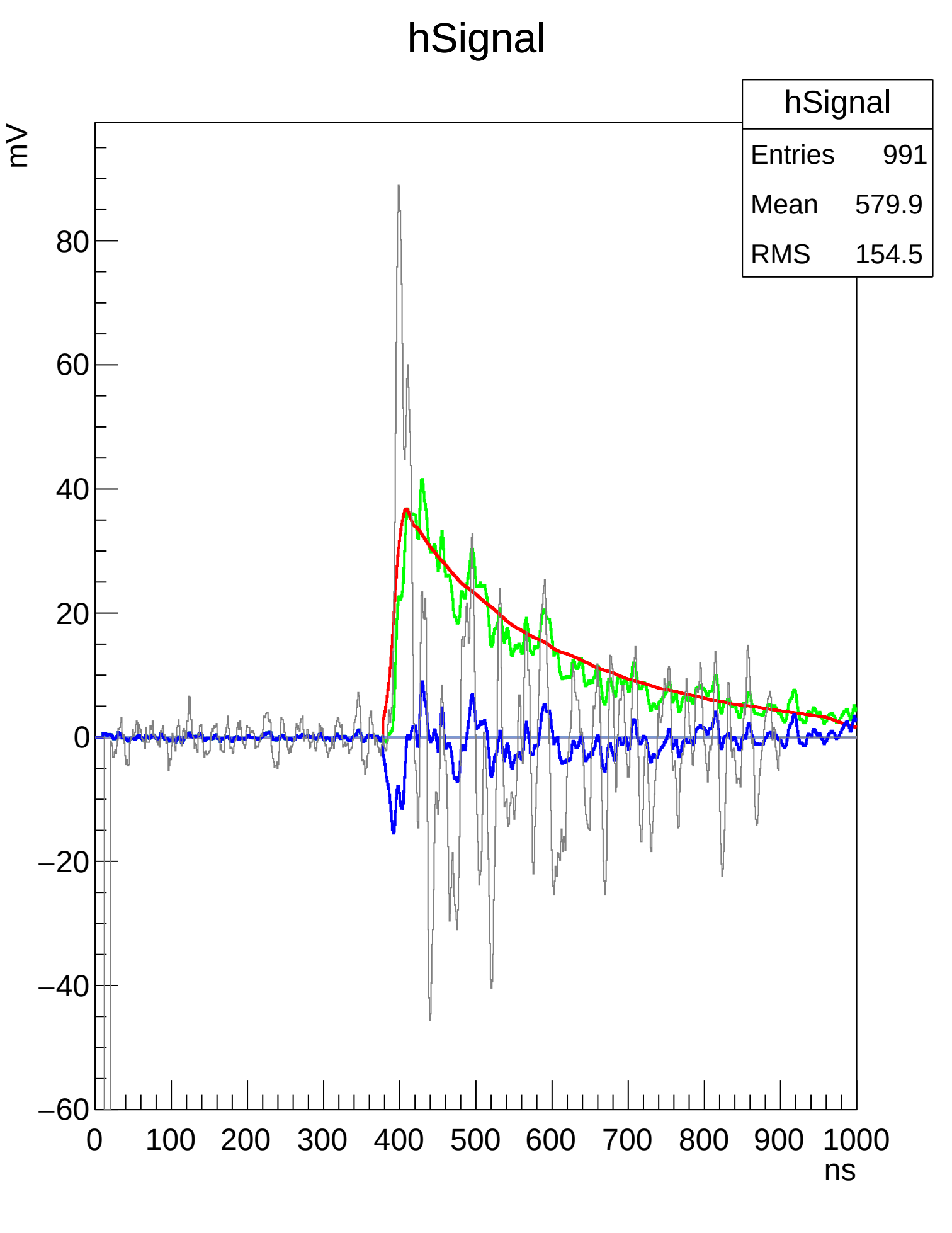
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.9
RMS 154.5
mV
80
60
40
20
0
−20
−40
−60
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600
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800
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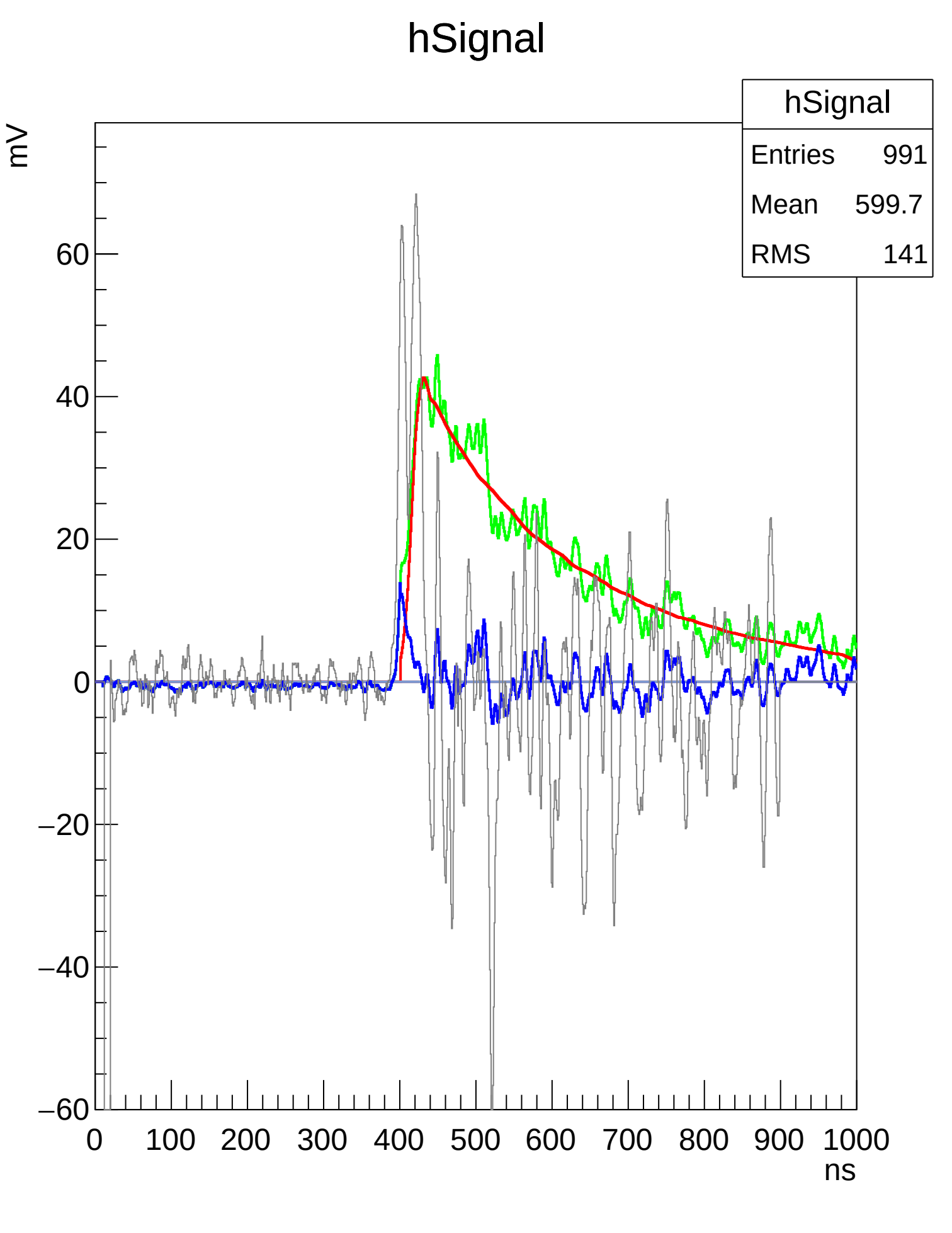
1000
ns


hSignal
hSignal
Entries 991
Mean 599.7
RMS 141
mV
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−20
−40
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0
100
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600
700
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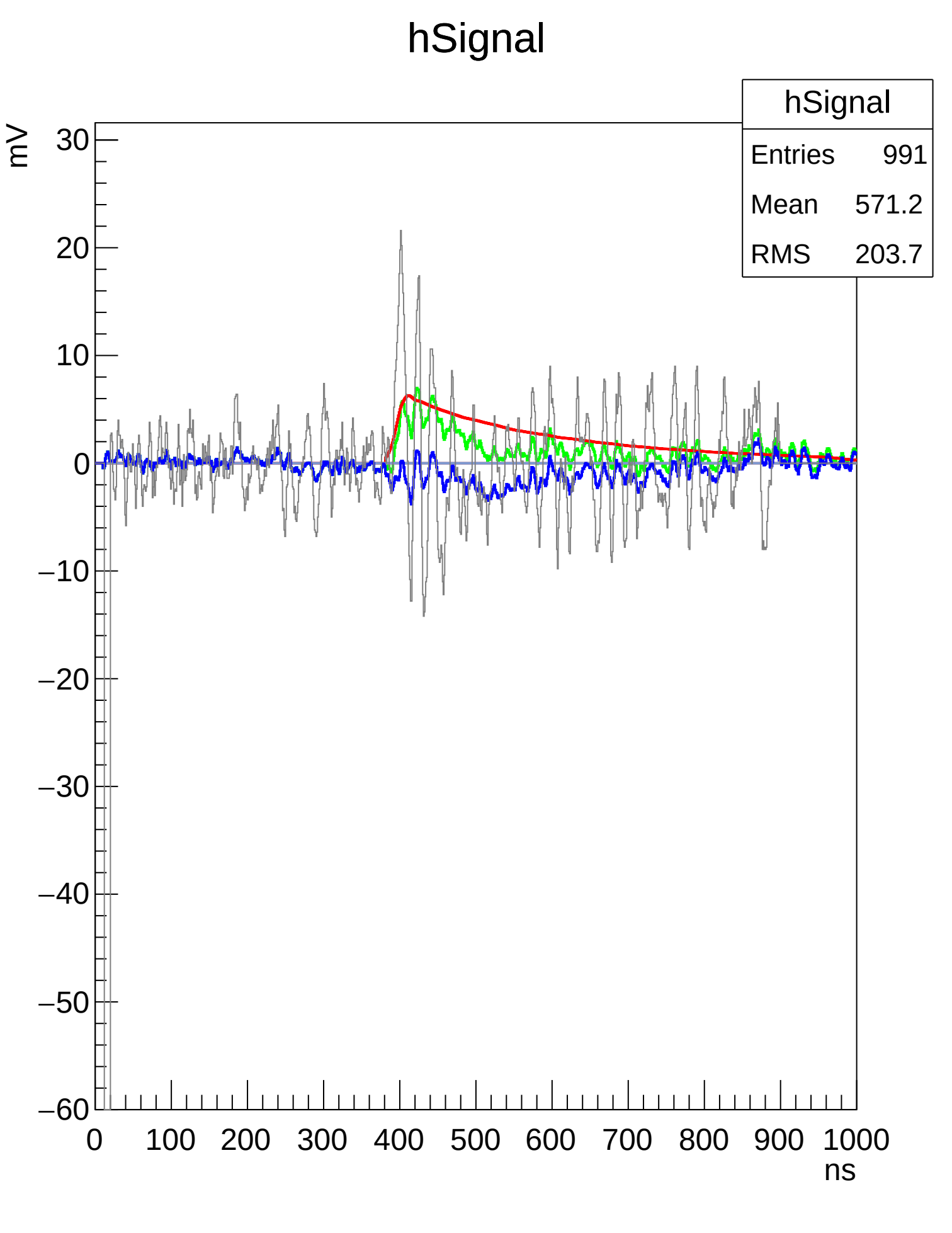
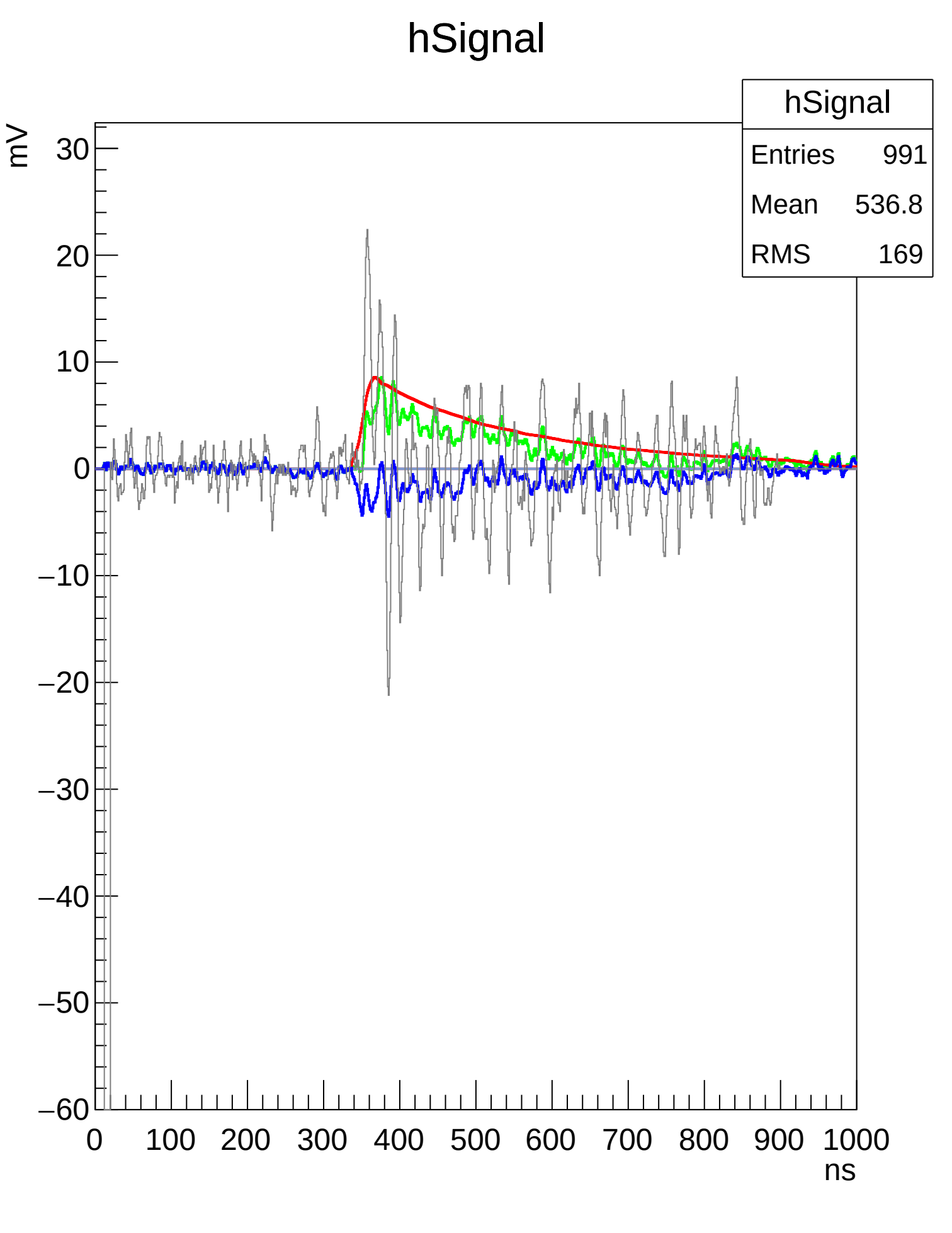
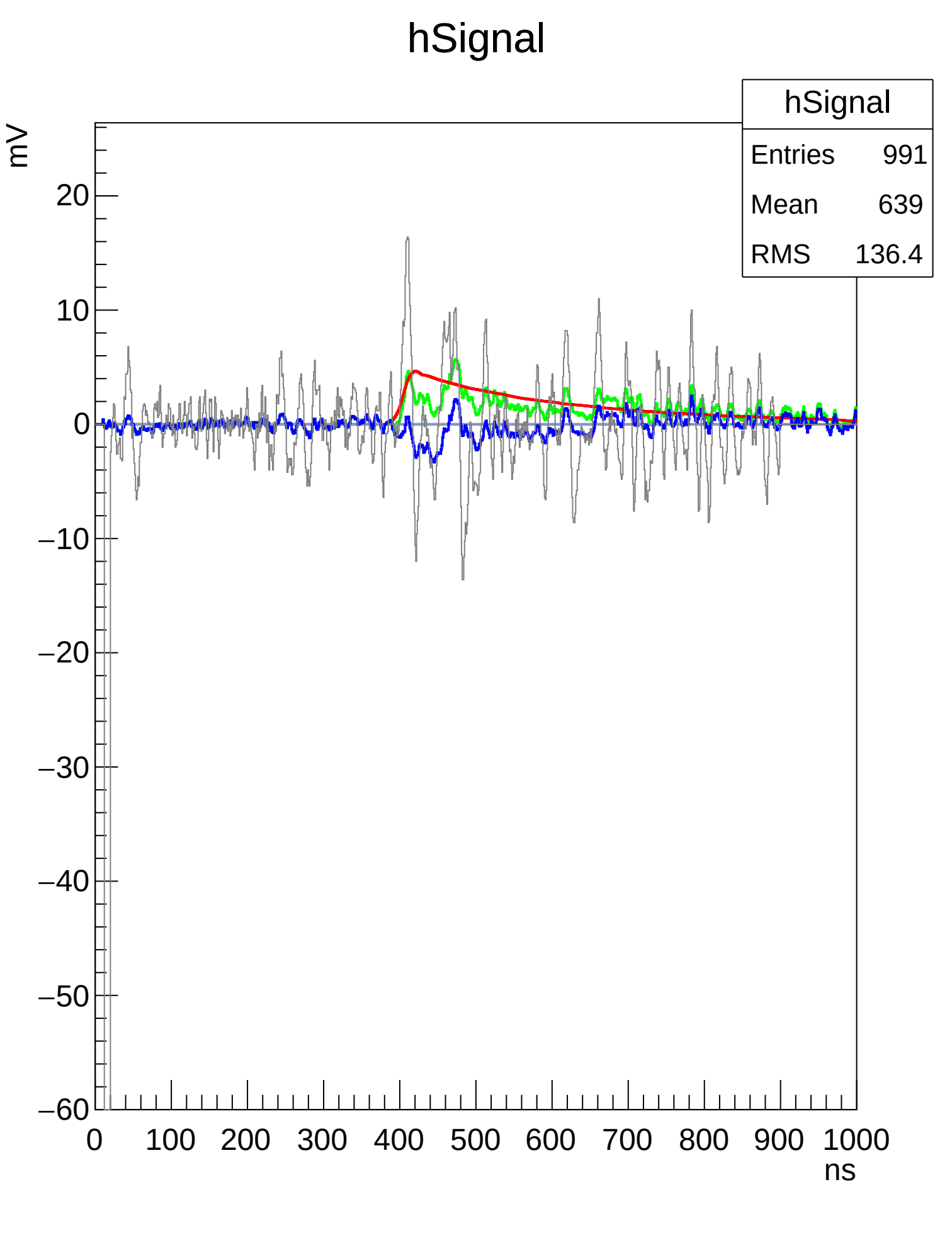
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.2
RMS 203.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.8
RMS 169
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 639
RMS 136.4
mV
20
10
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−20
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−40
−50
−60
0
100
200
300
400
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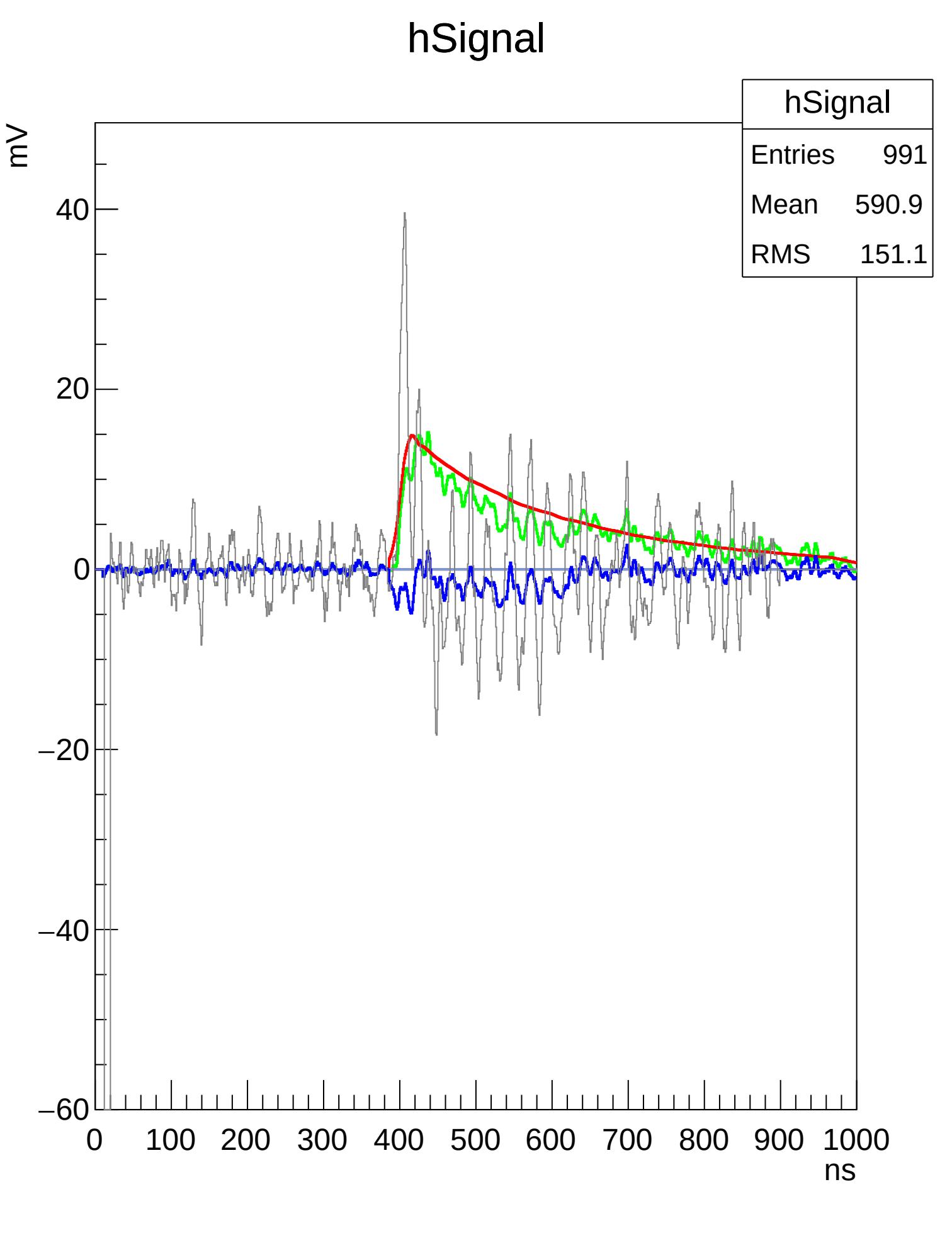
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.9
RMS 151.1
mV
40
20
0
−20
−40
−60
0
100
200
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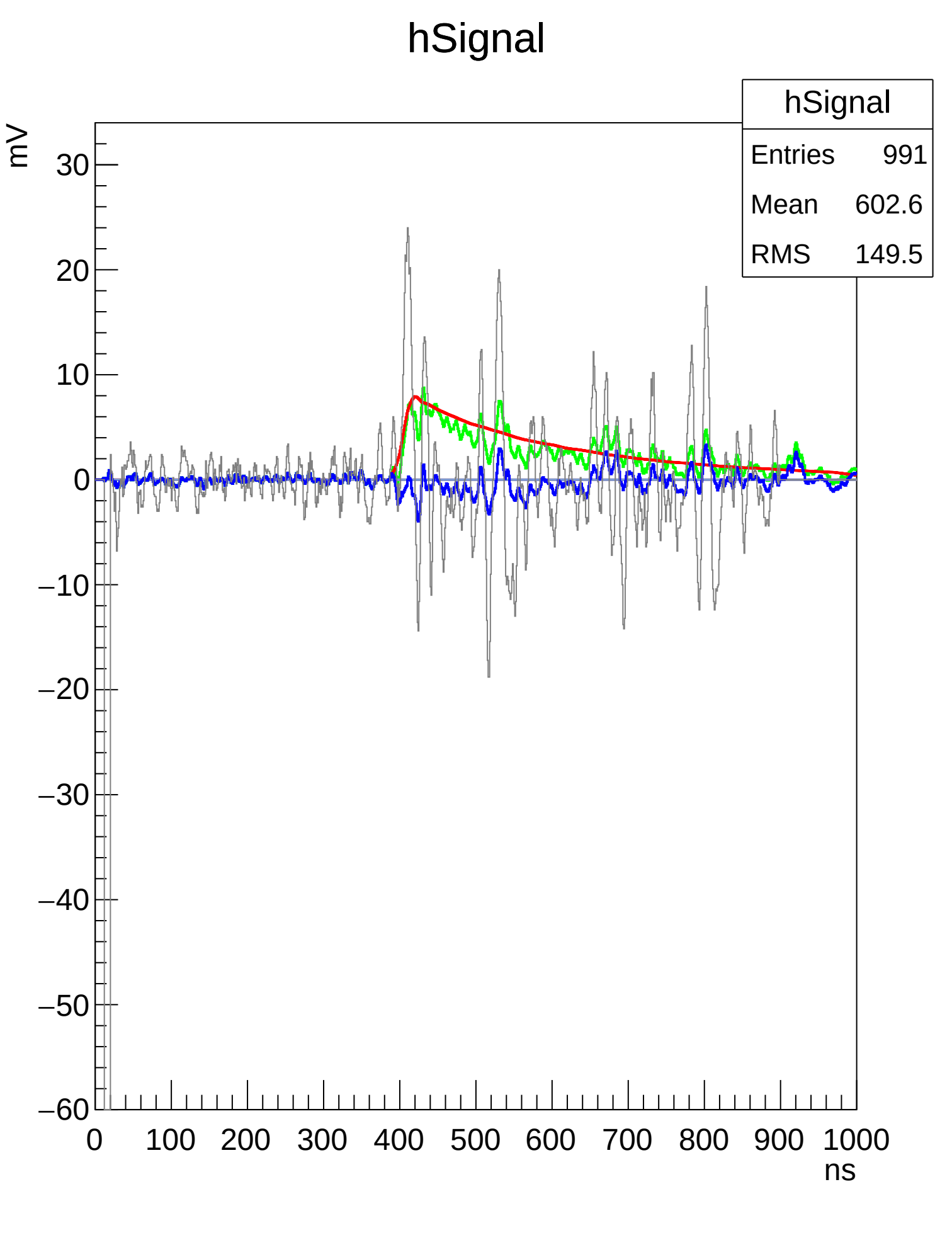
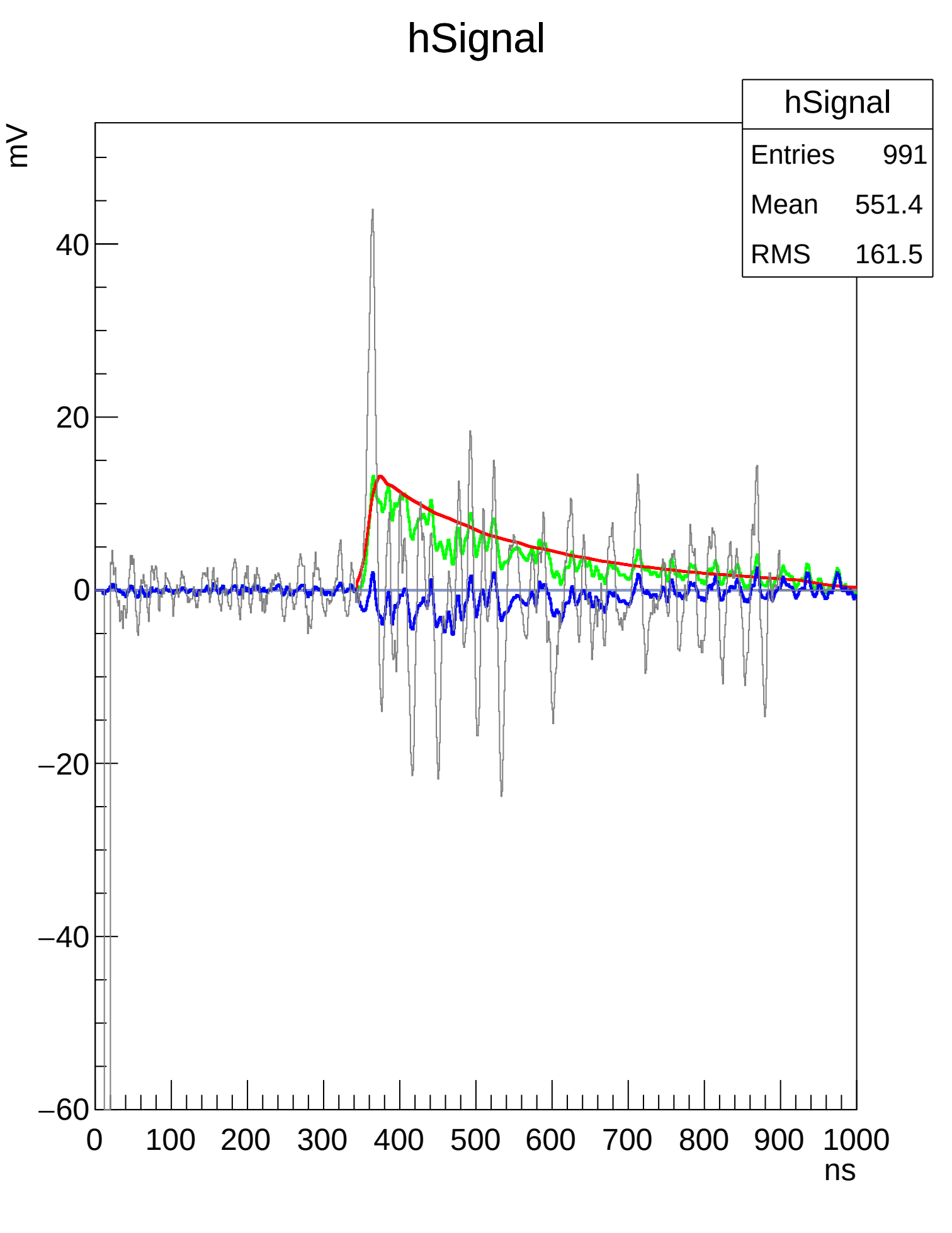
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.6
RMS 149.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.4
RMS 161.5
mV
40
20
0
−20
−40
−60
0
100
200
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400
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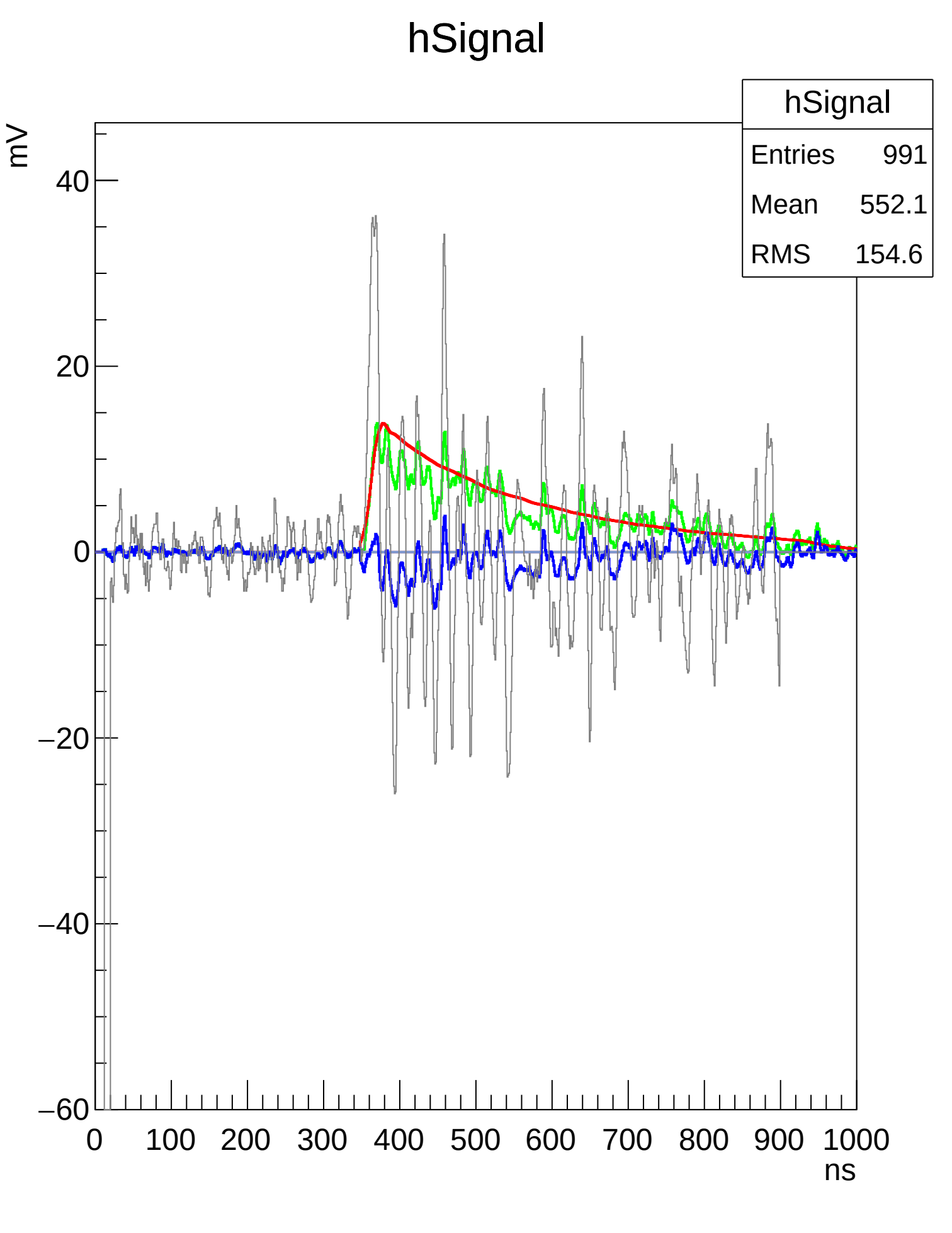
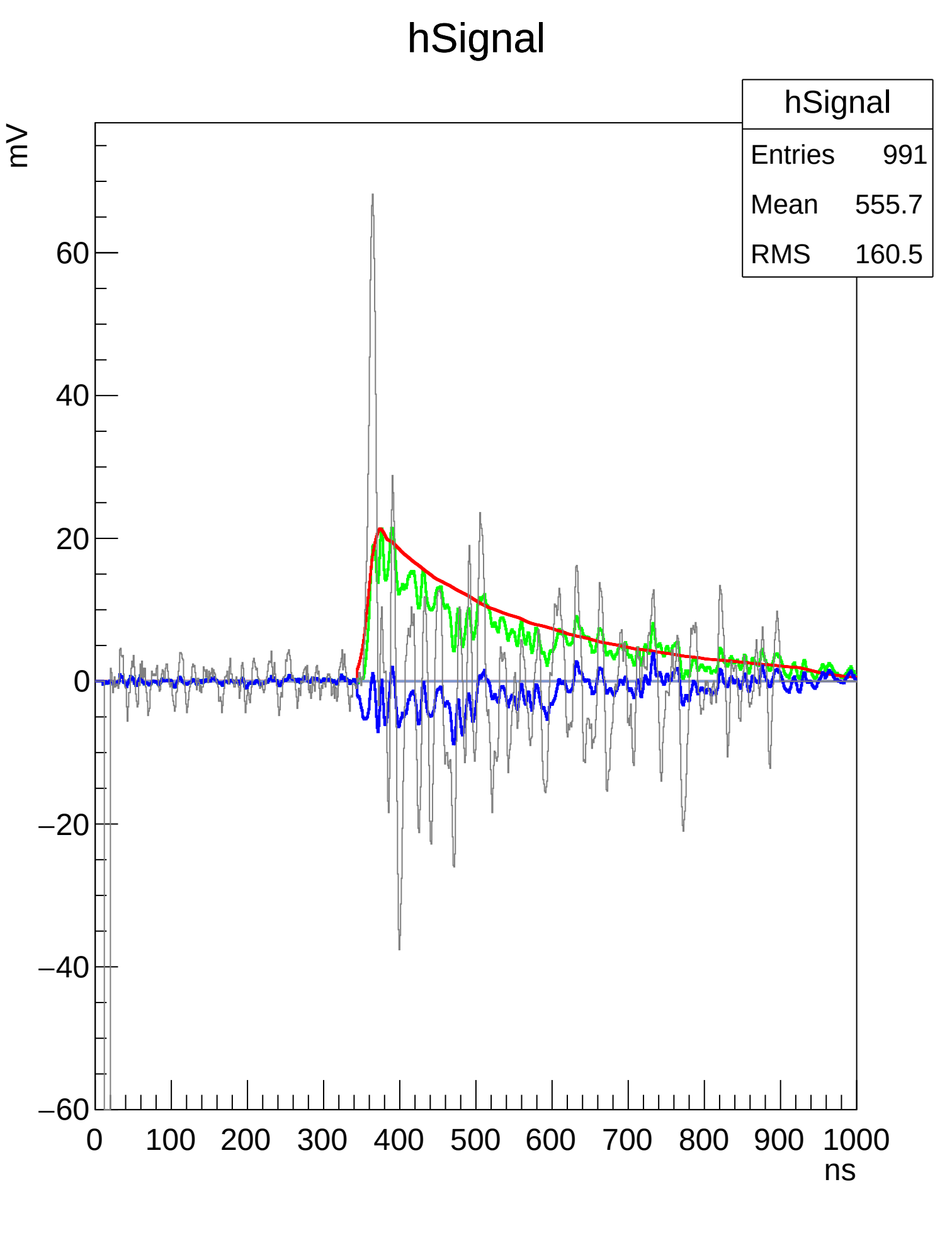
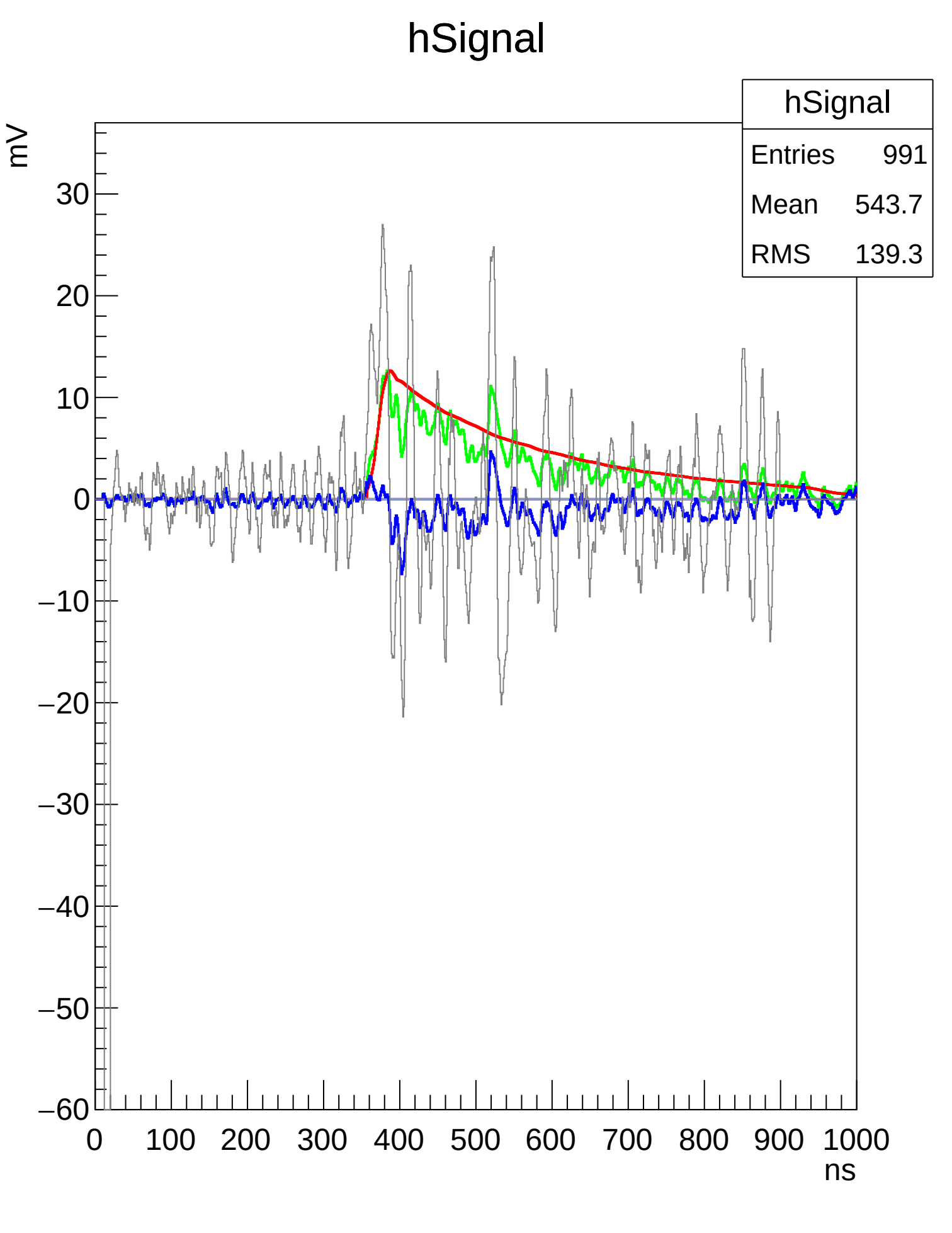
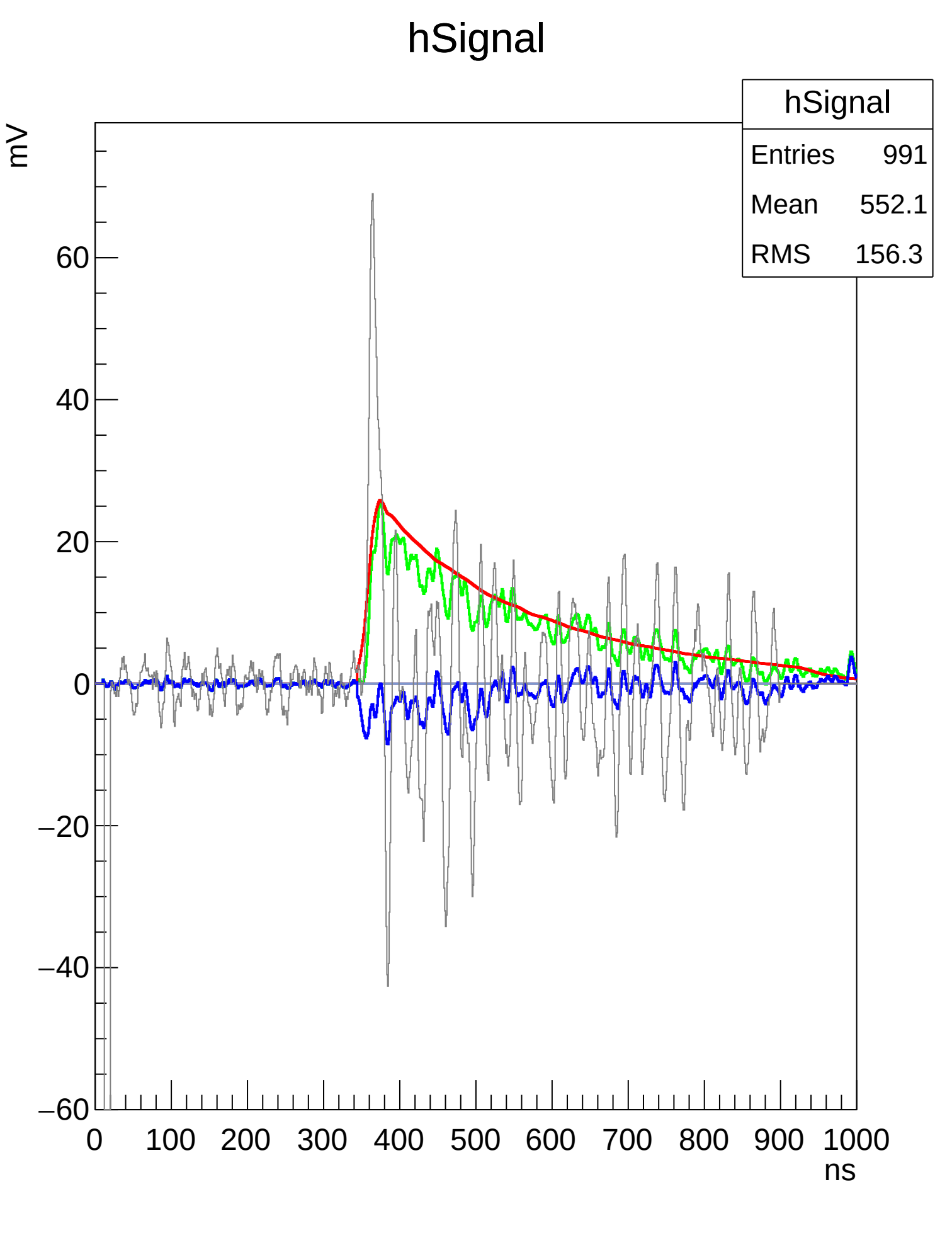
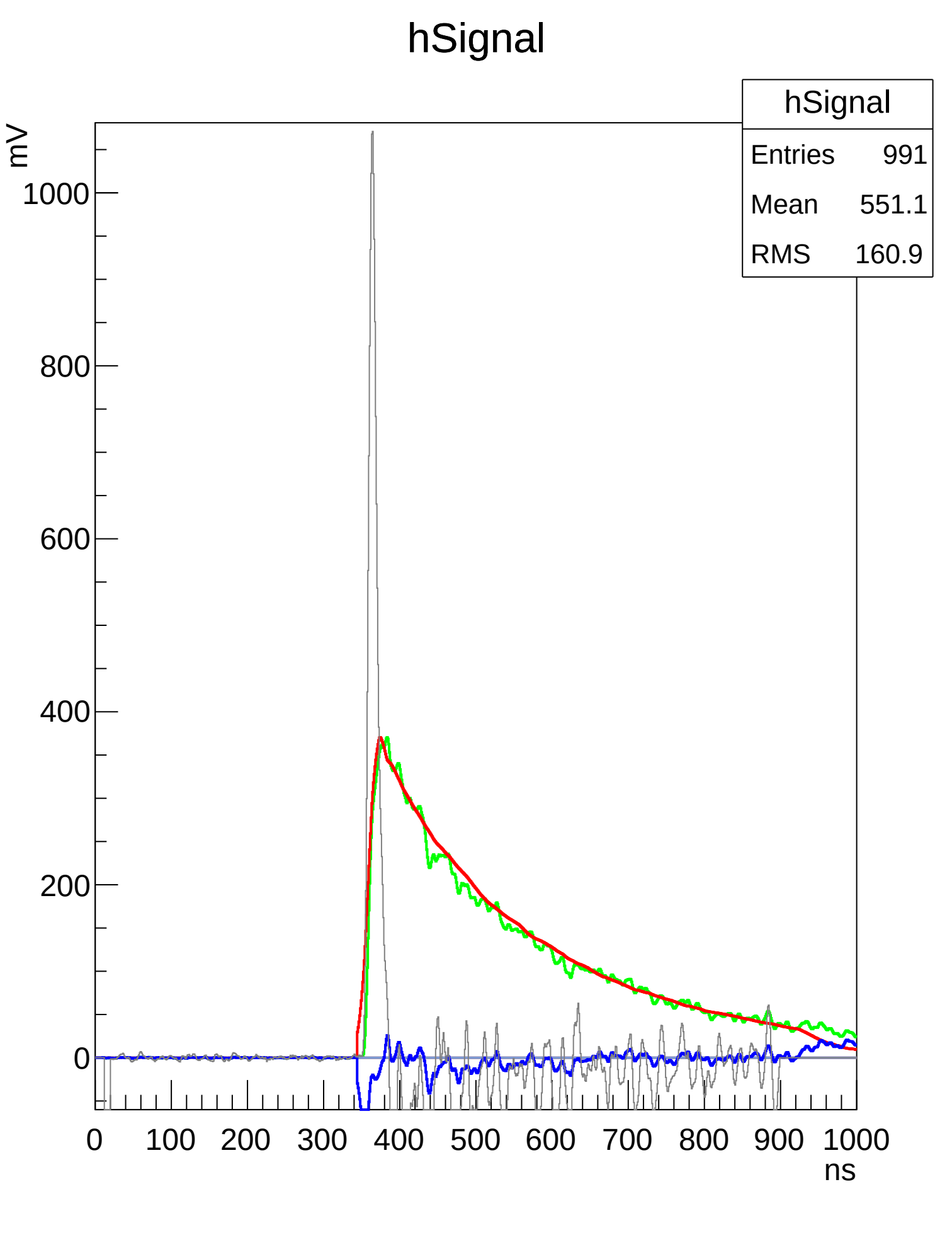
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.1
RMS 154.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.7
RMS 160.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 139.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.1
RMS 156.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.1
RMS 160.9
mV
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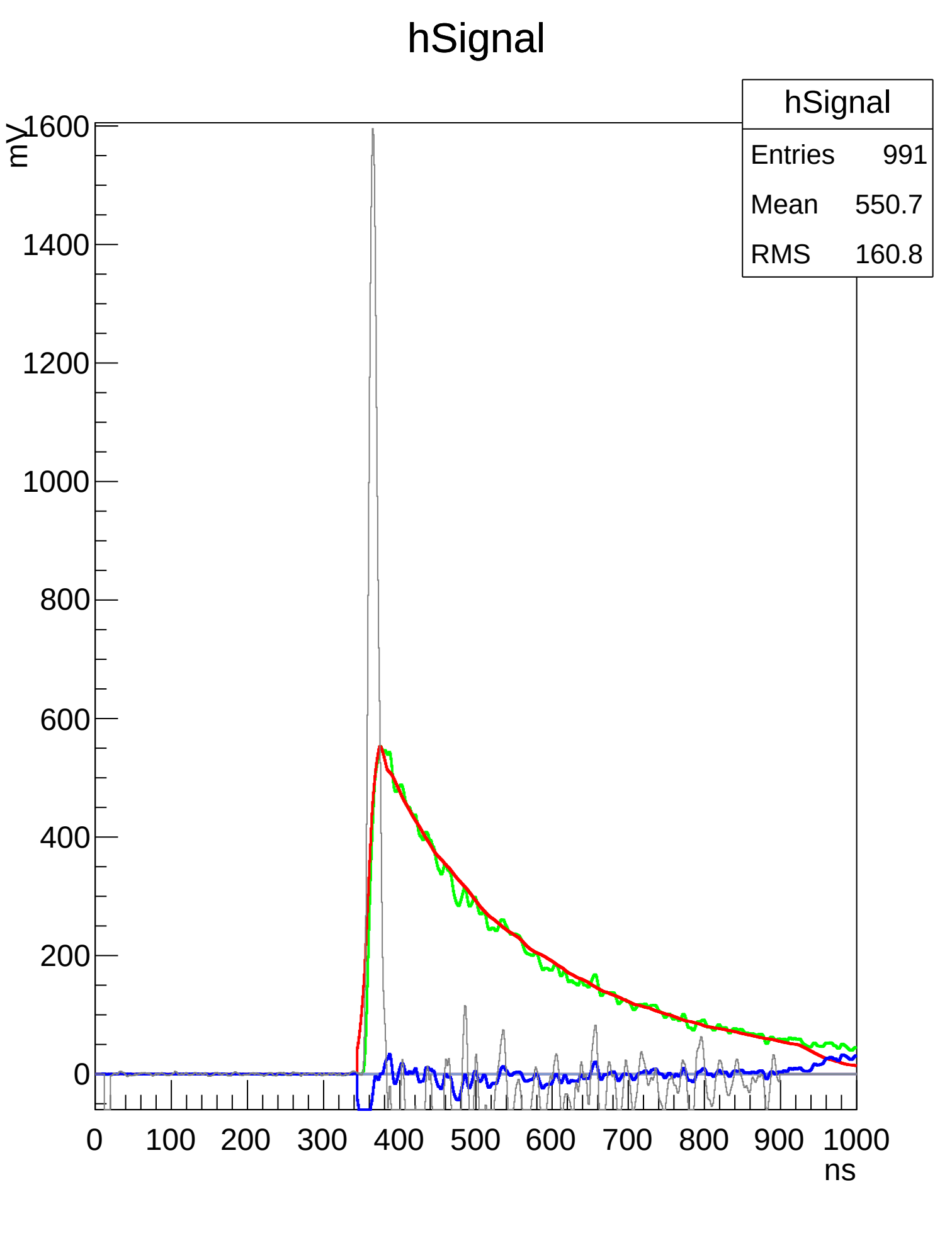
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.7
RMS 160.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
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400
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800
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1000
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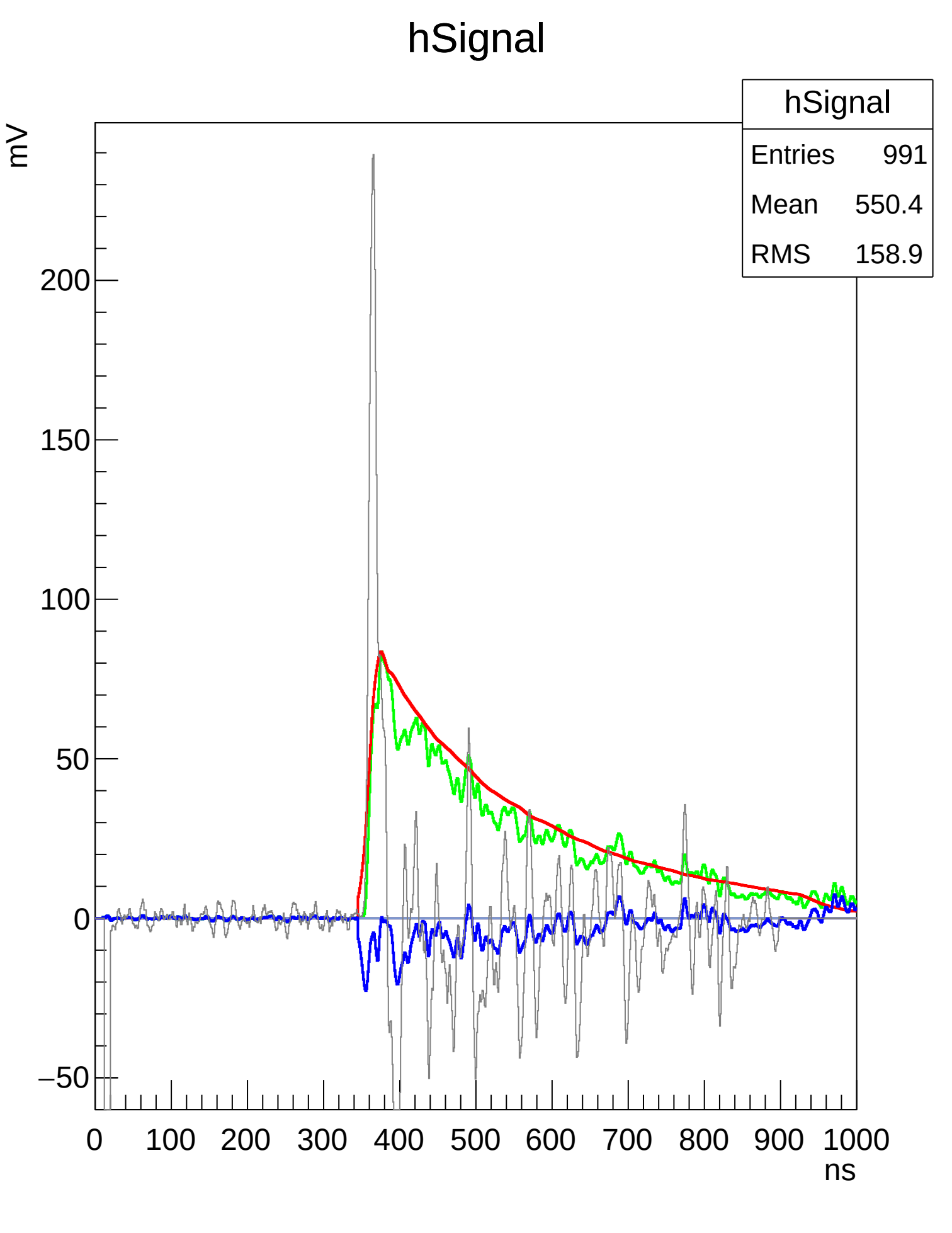
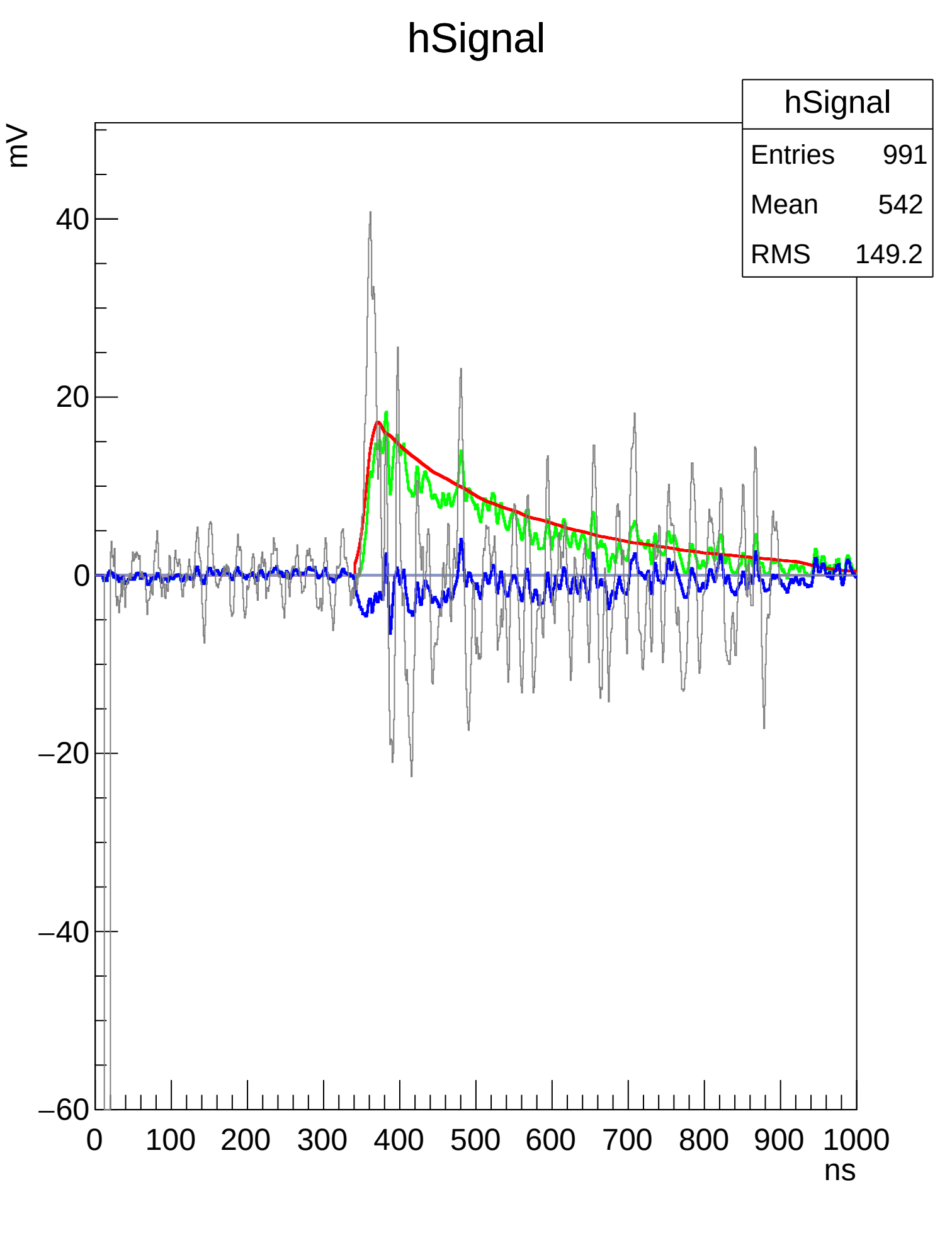

hSignal
hSignal
Entries 991
Mean 550.4
RMS 158.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542
RMS 149.2
mV
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−20
−40
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0
100
200
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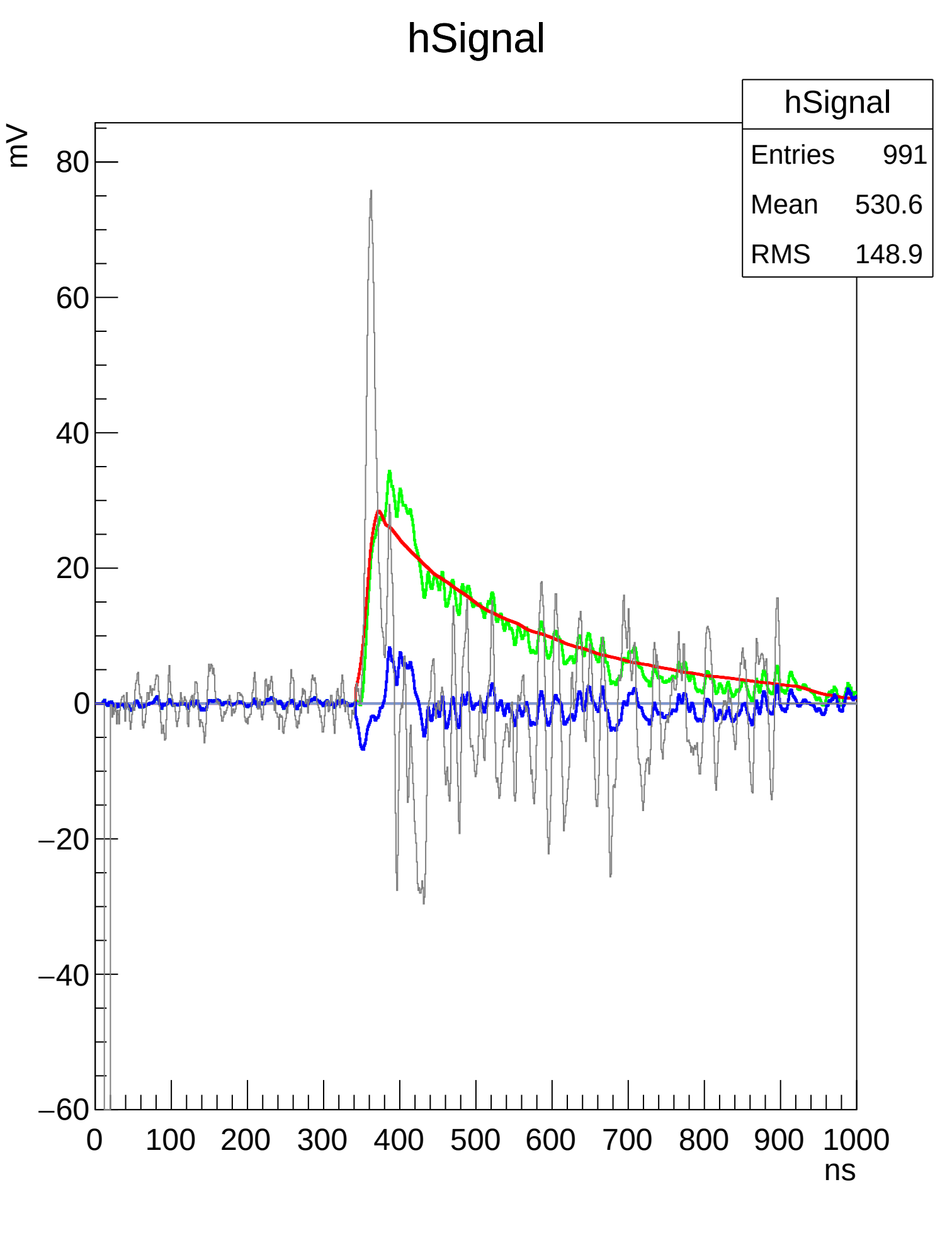
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.6
RMS 148.9
mV
80
60
40
20
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−20
−40
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0
100
200
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400
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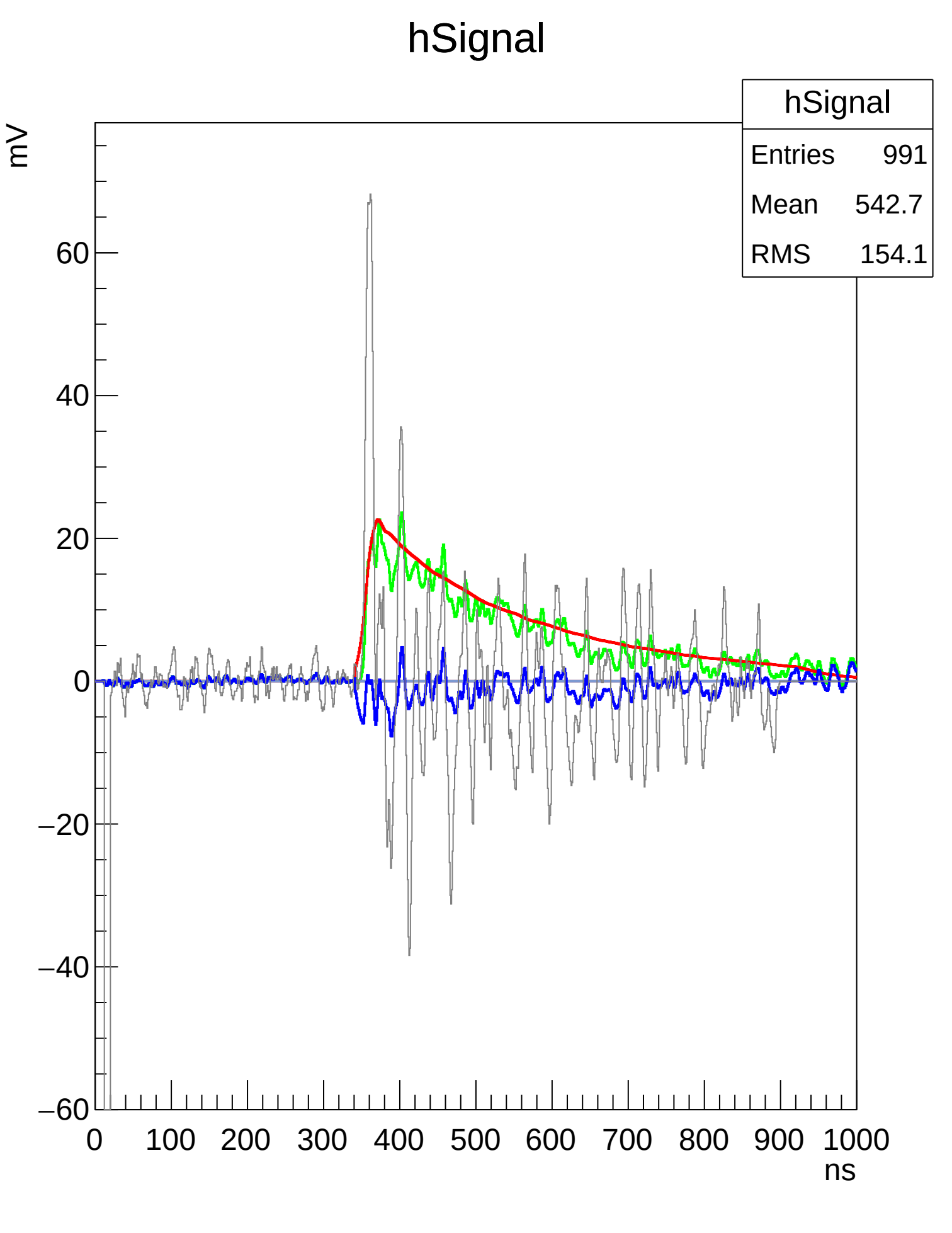
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.7
RMS 154.1
mV
60
40
20
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−20
−40
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0
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800
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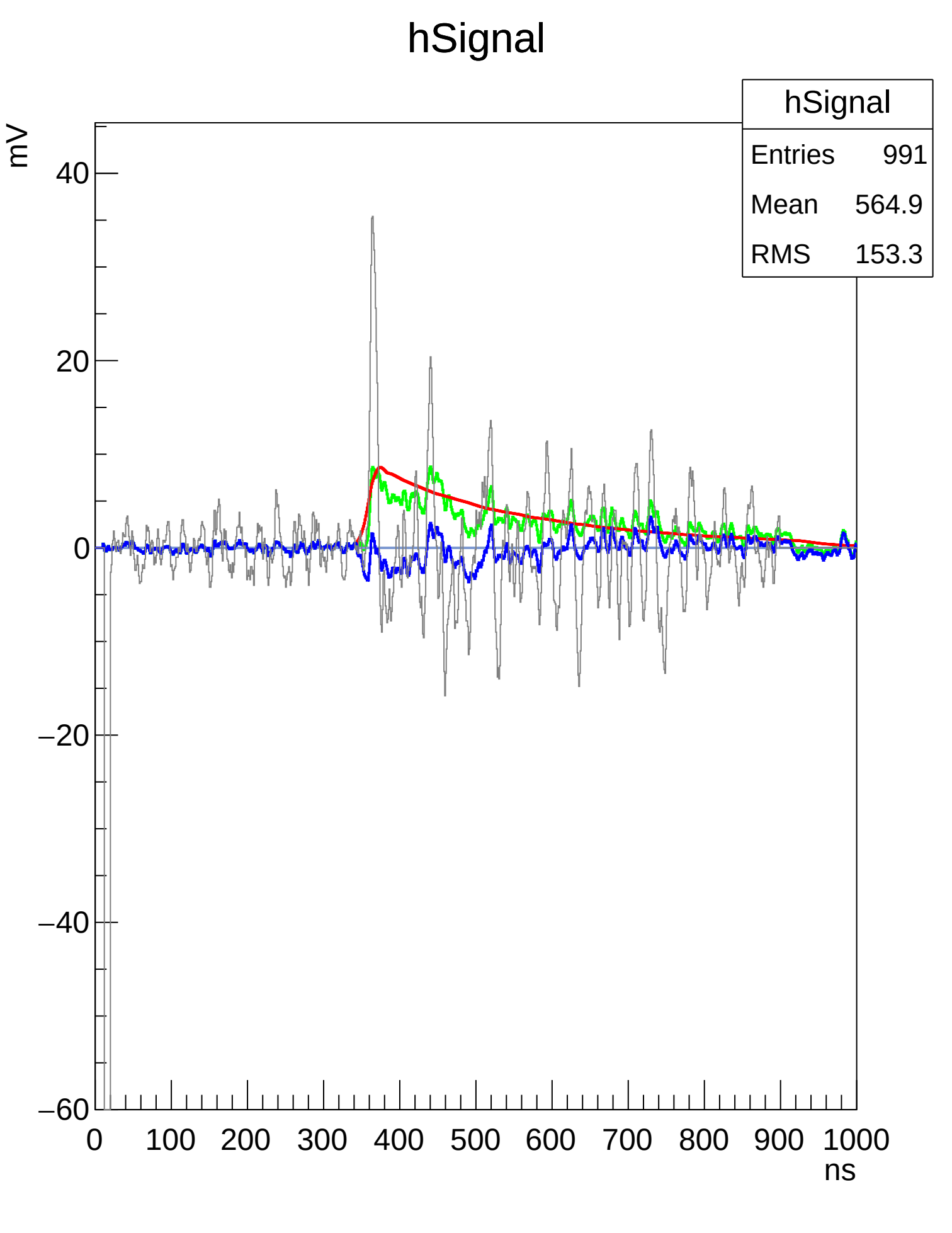
1000
ns


hSignal
hSignal
Entries 991
Mean 564.9
RMS 153.3
mV
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−20
−40
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0
100
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800
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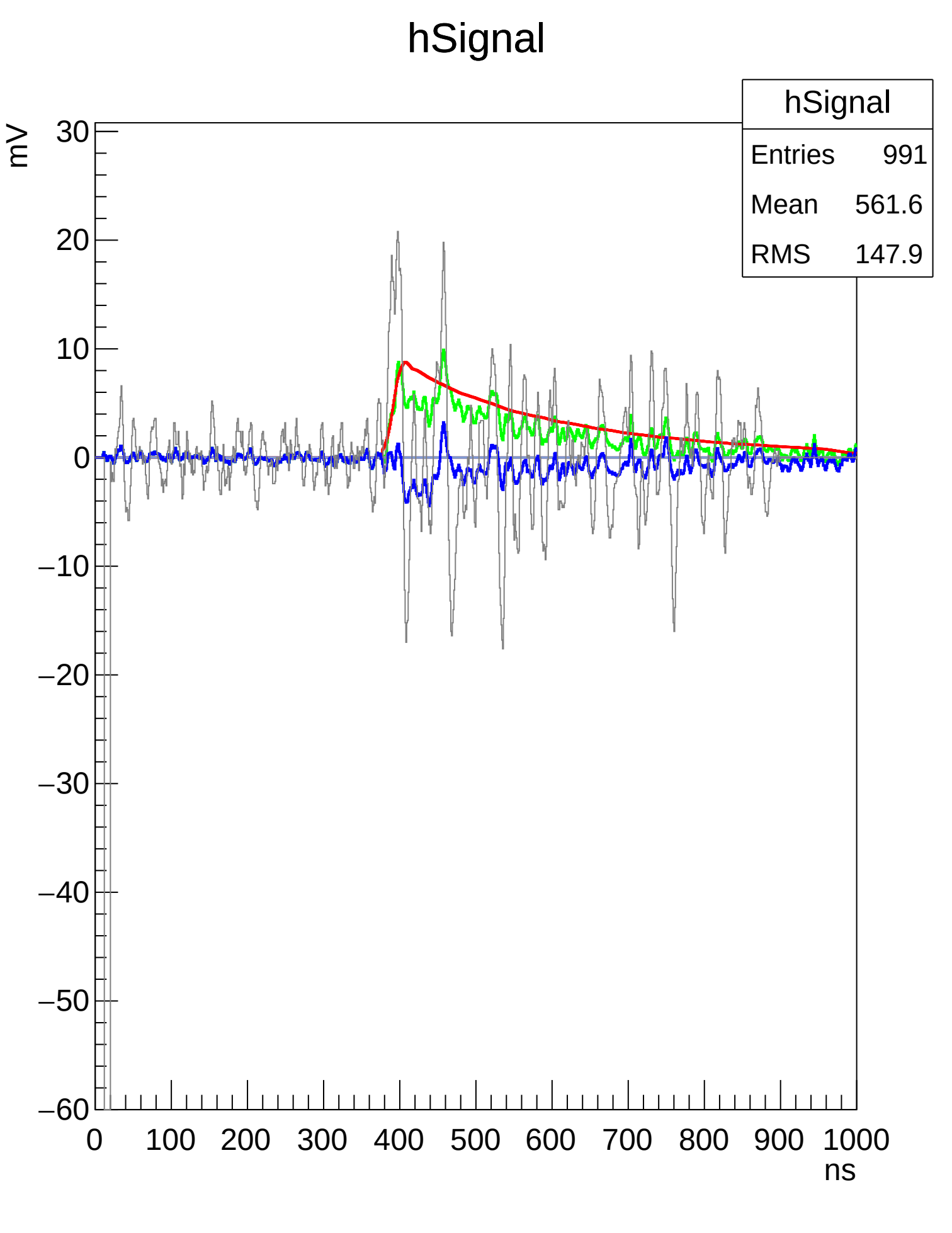
1000
ns


hSignal
hSignal
Entries 991
Mean 561.6
RMS 147.9
mV
30
20
10
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1000
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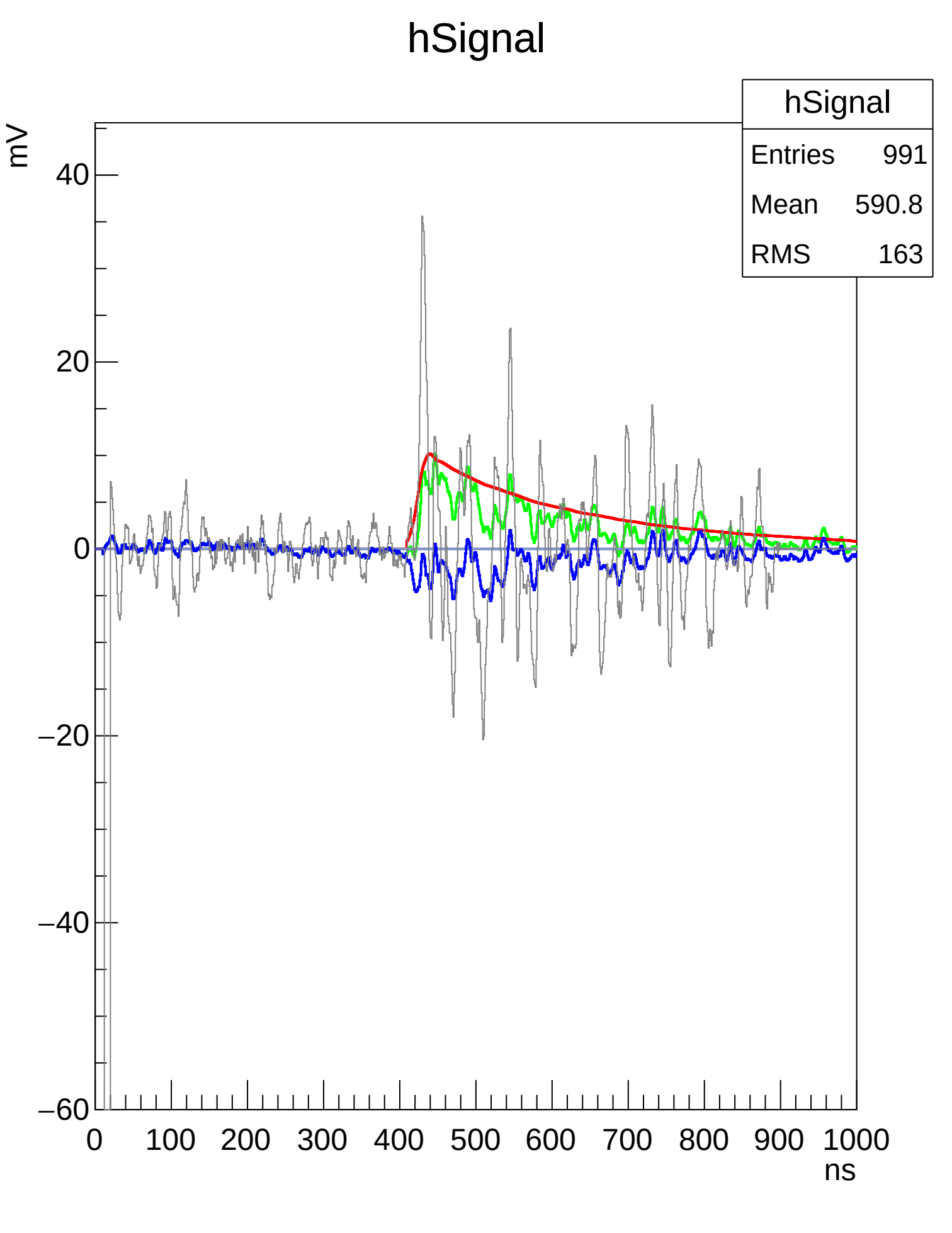
hSignal
hSignal
Entries 991
Mean 590.8
RMS 163
mV
40
20
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−20
−40
−60
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100
200
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600
700
800
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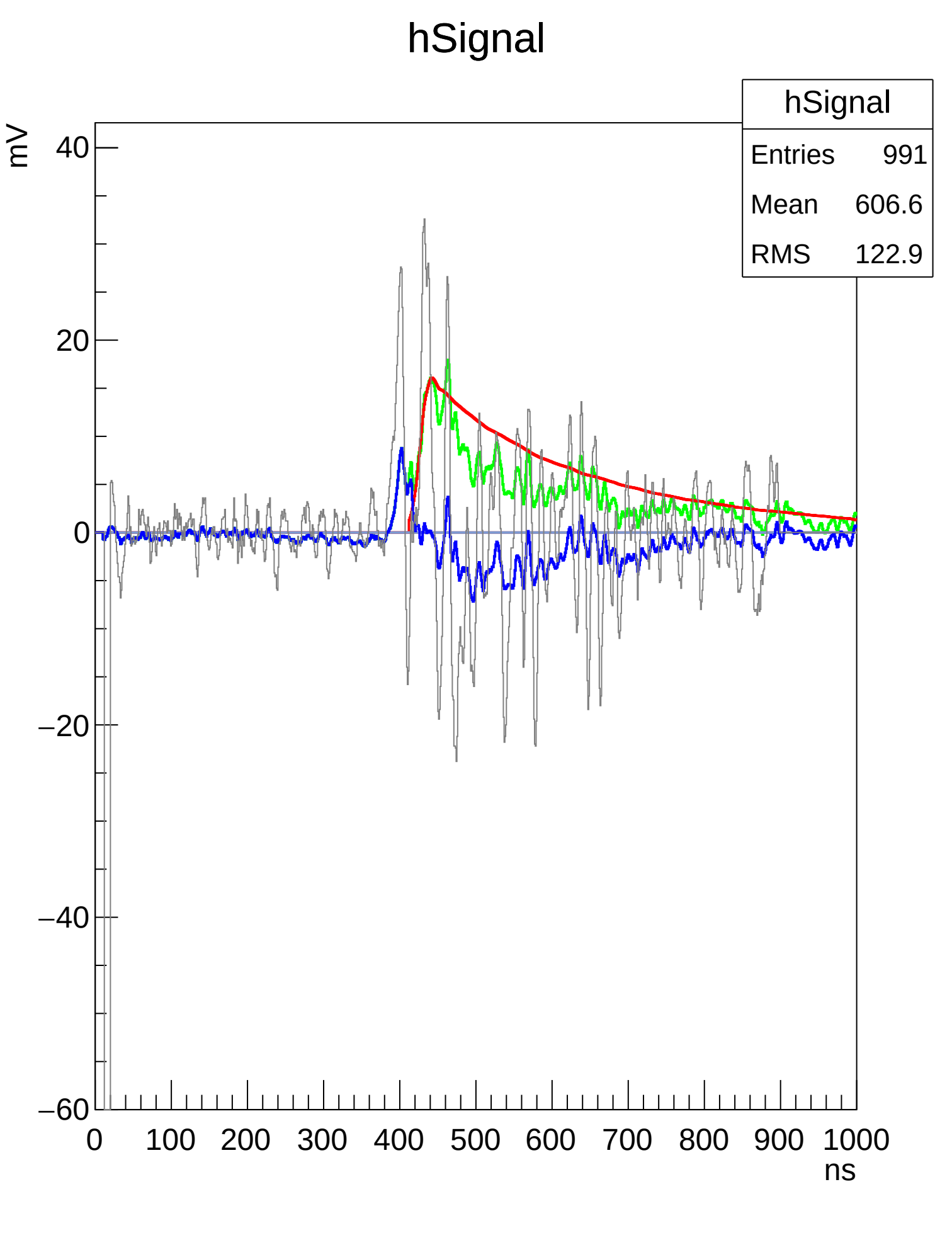
1000
ns


hSignal
hSignal
Entries 991
Mean 606.6
RMS 122.9
mV
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−20
−40
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0
100
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1000
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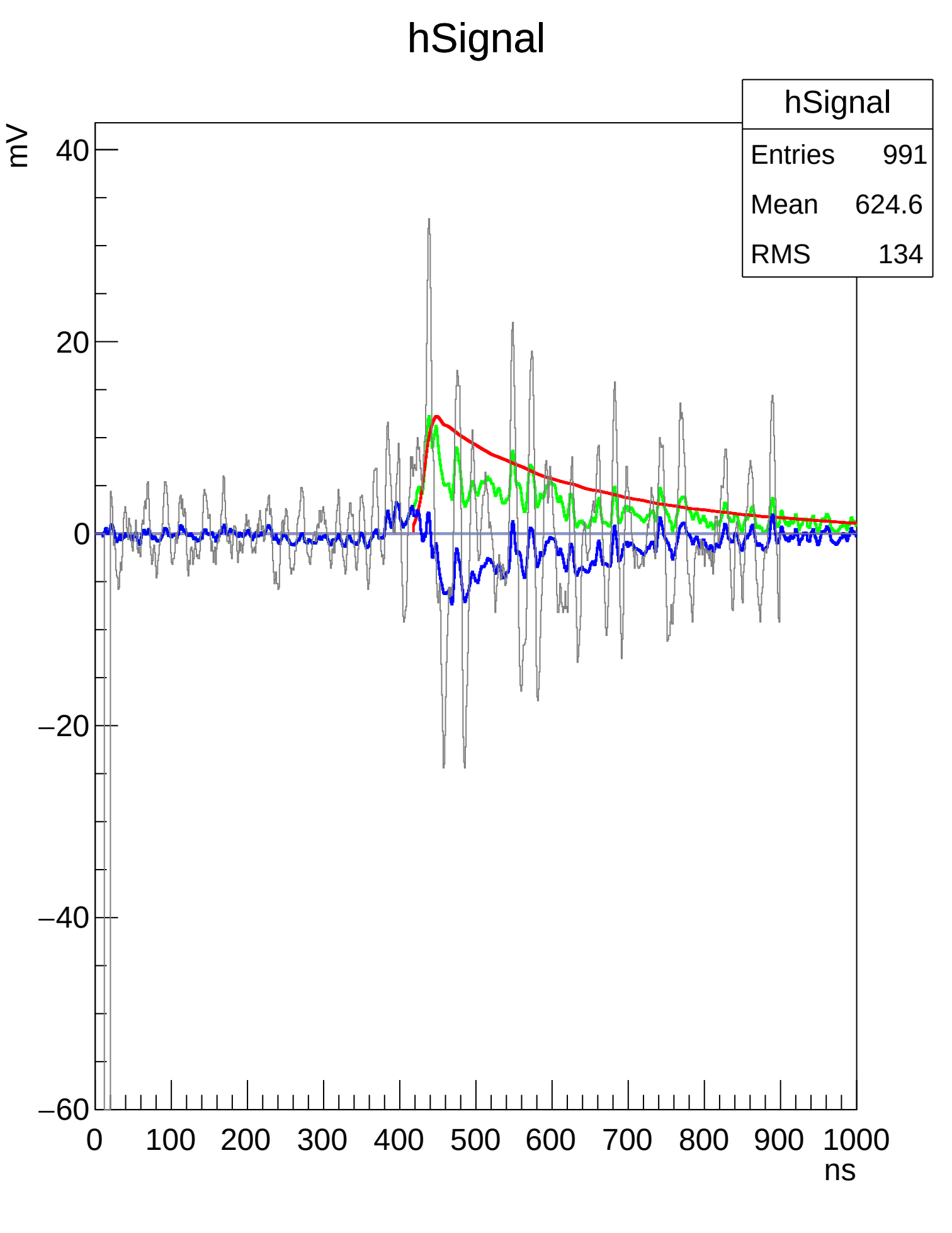
hSignal
hSignal
Entries 991
Mean 624.6
RMS 134
mV
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0
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200
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1000
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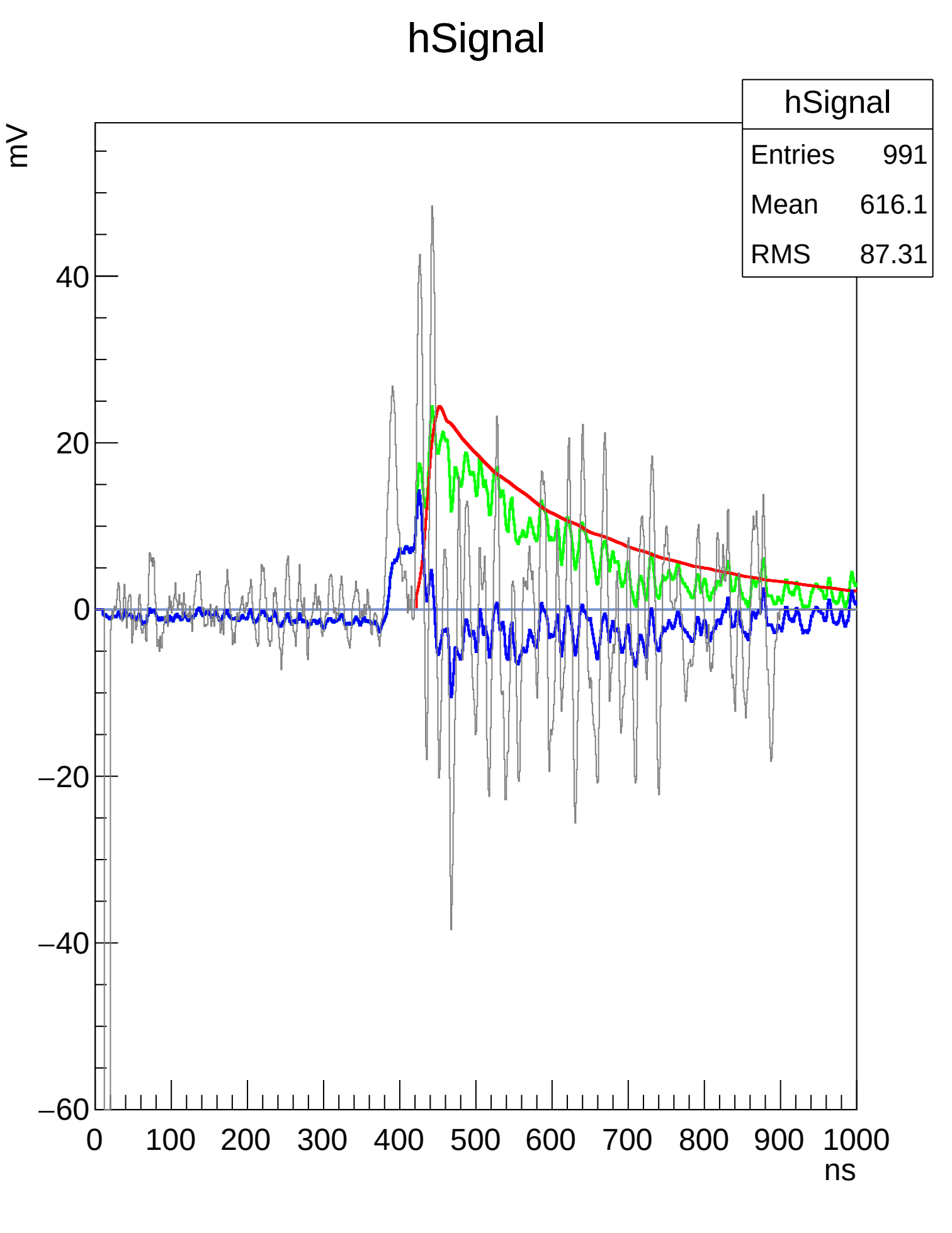
hSignal
hSignal
Entries 991
Mean 616.1
RMS 87.31
mV
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100
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400
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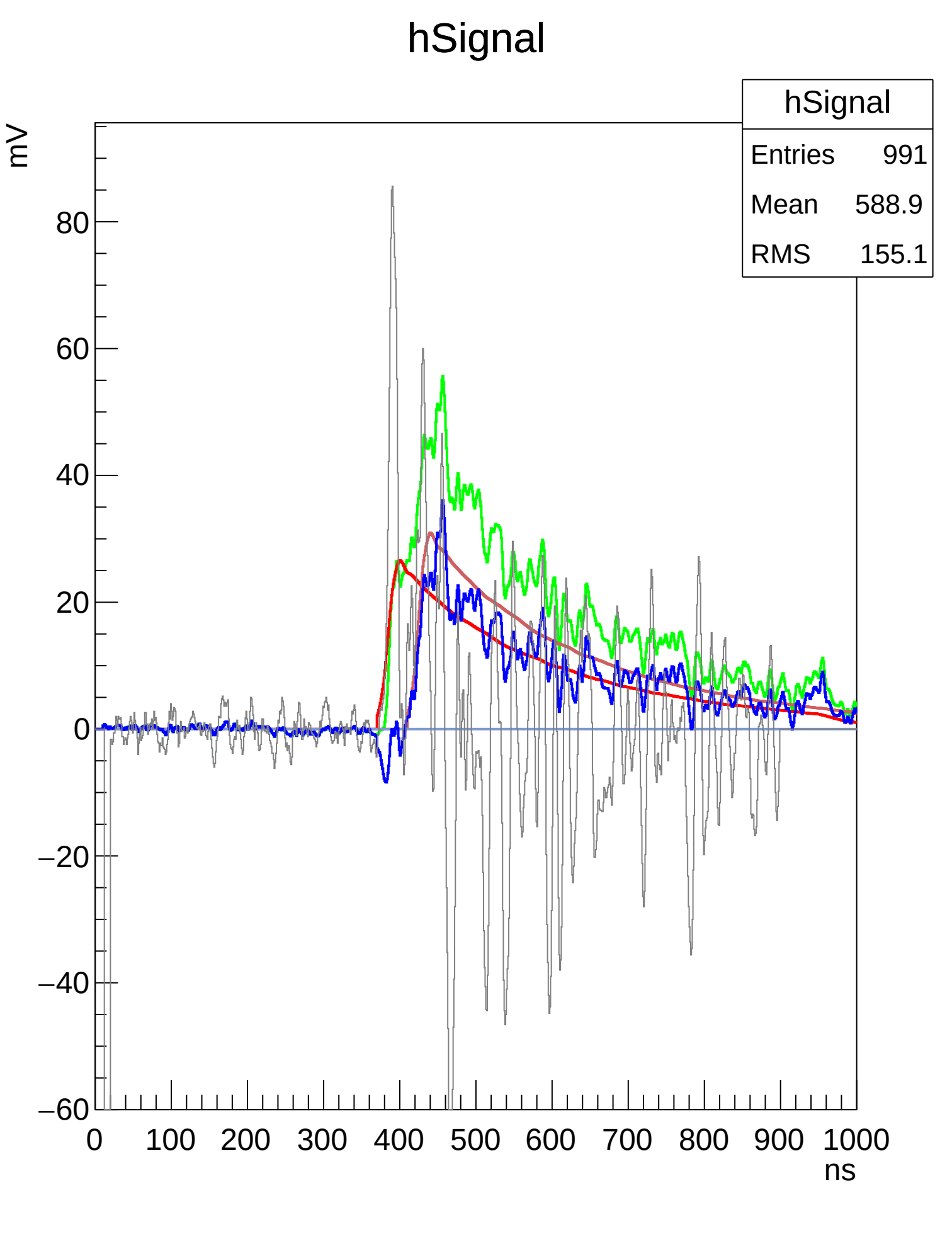
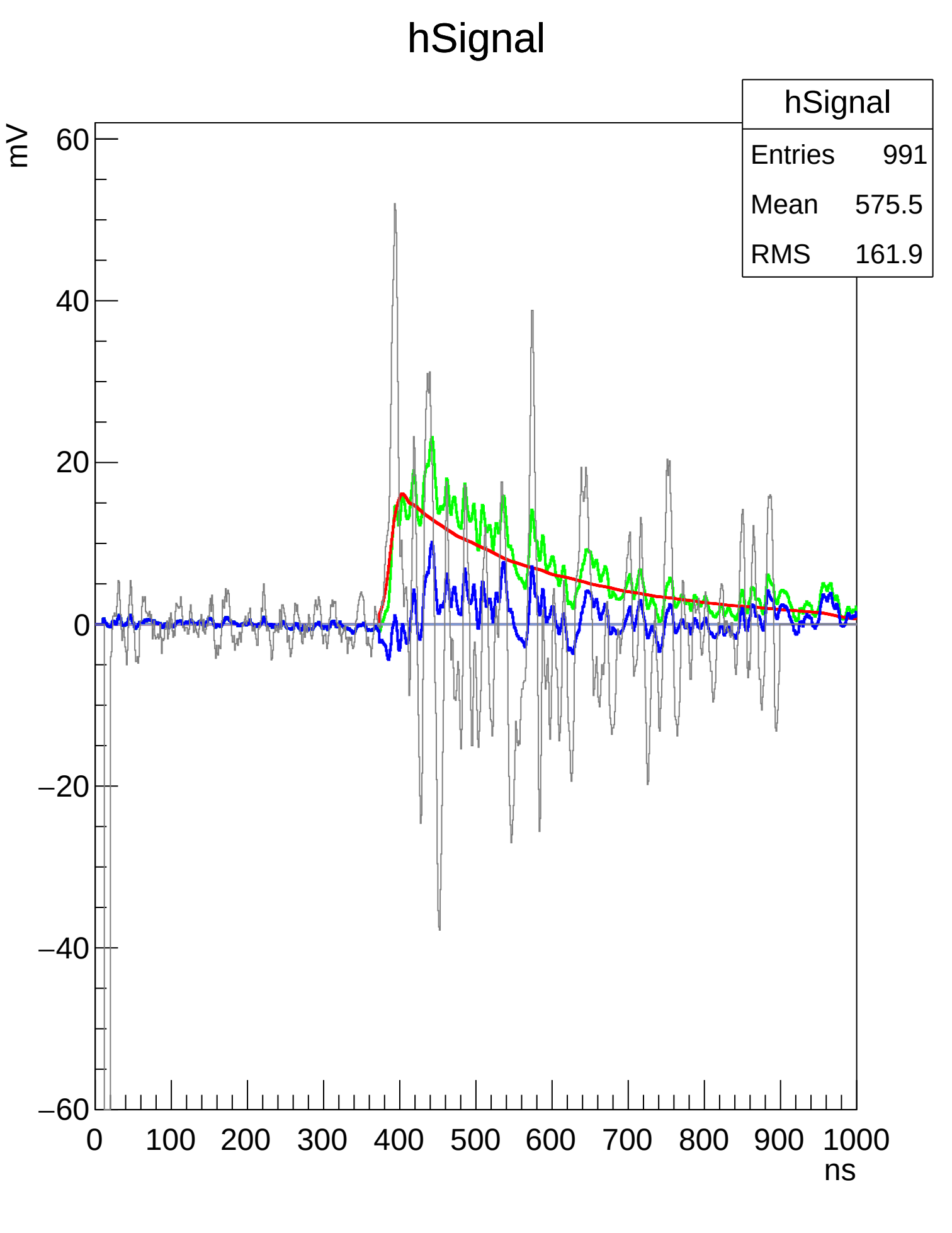
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.9
RMS 155.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.5
RMS 161.9
mV
60
40
20
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−20
−40
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0
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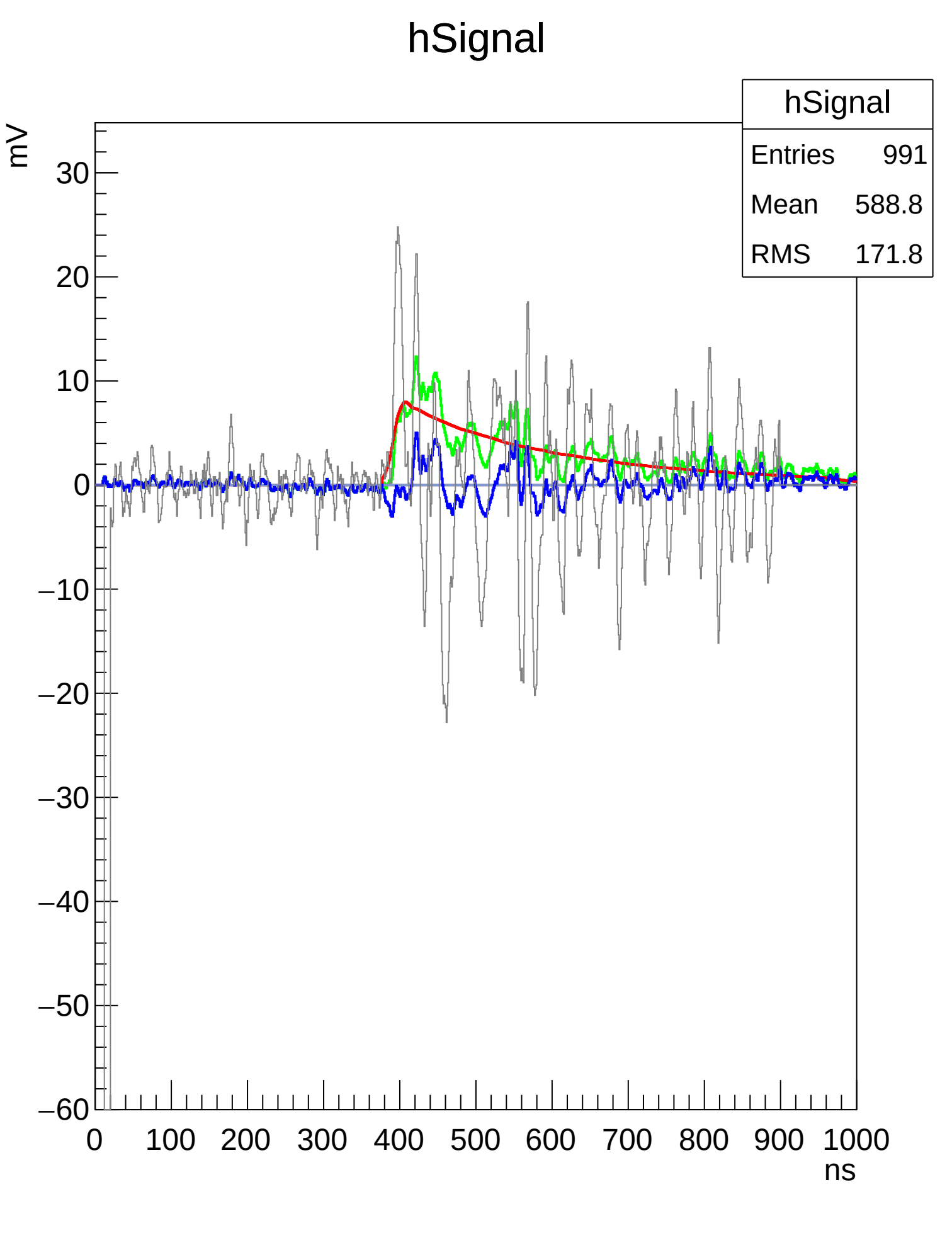
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.8
RMS 171.8
mV
30
20
10
0
−10
−20
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−40
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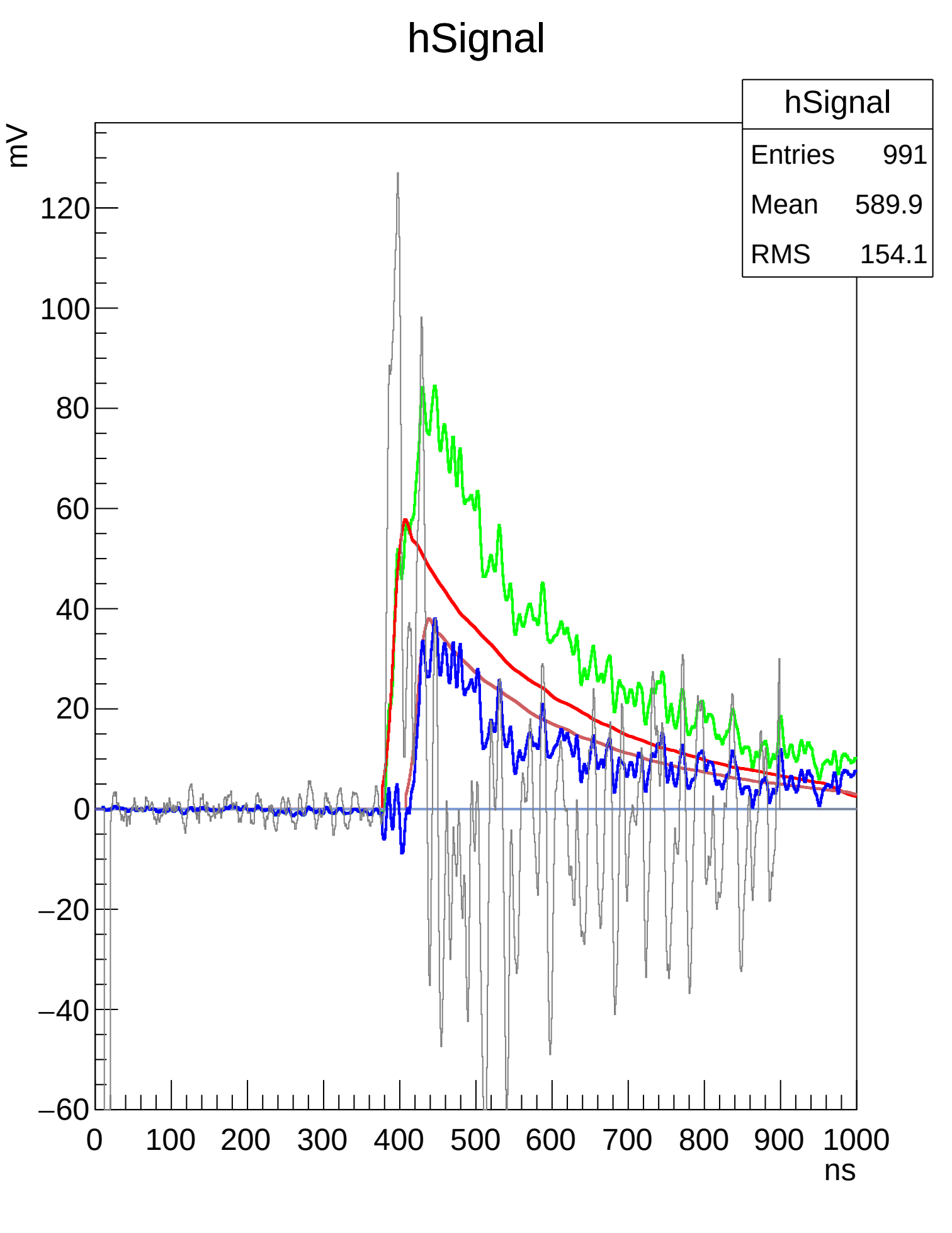
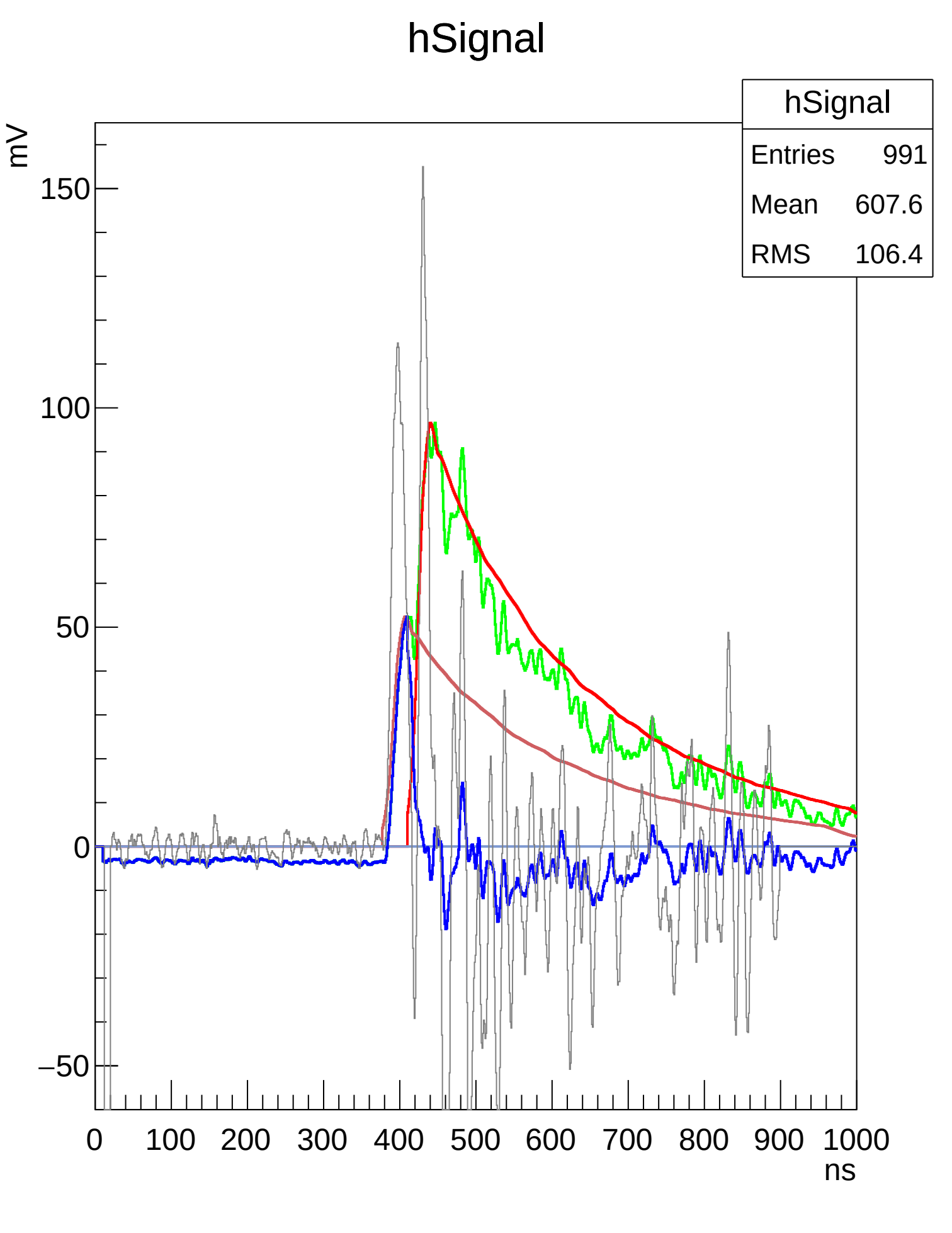
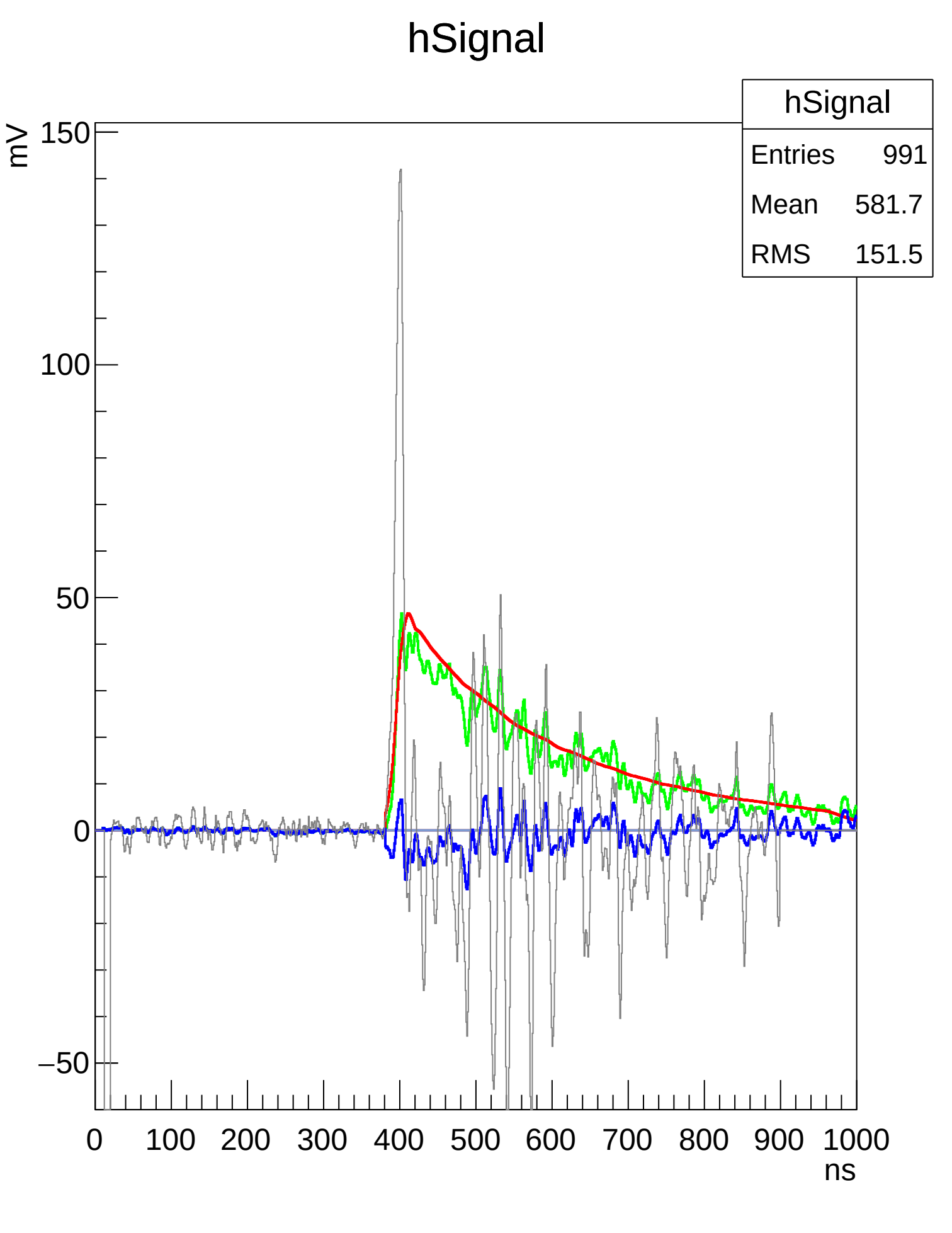
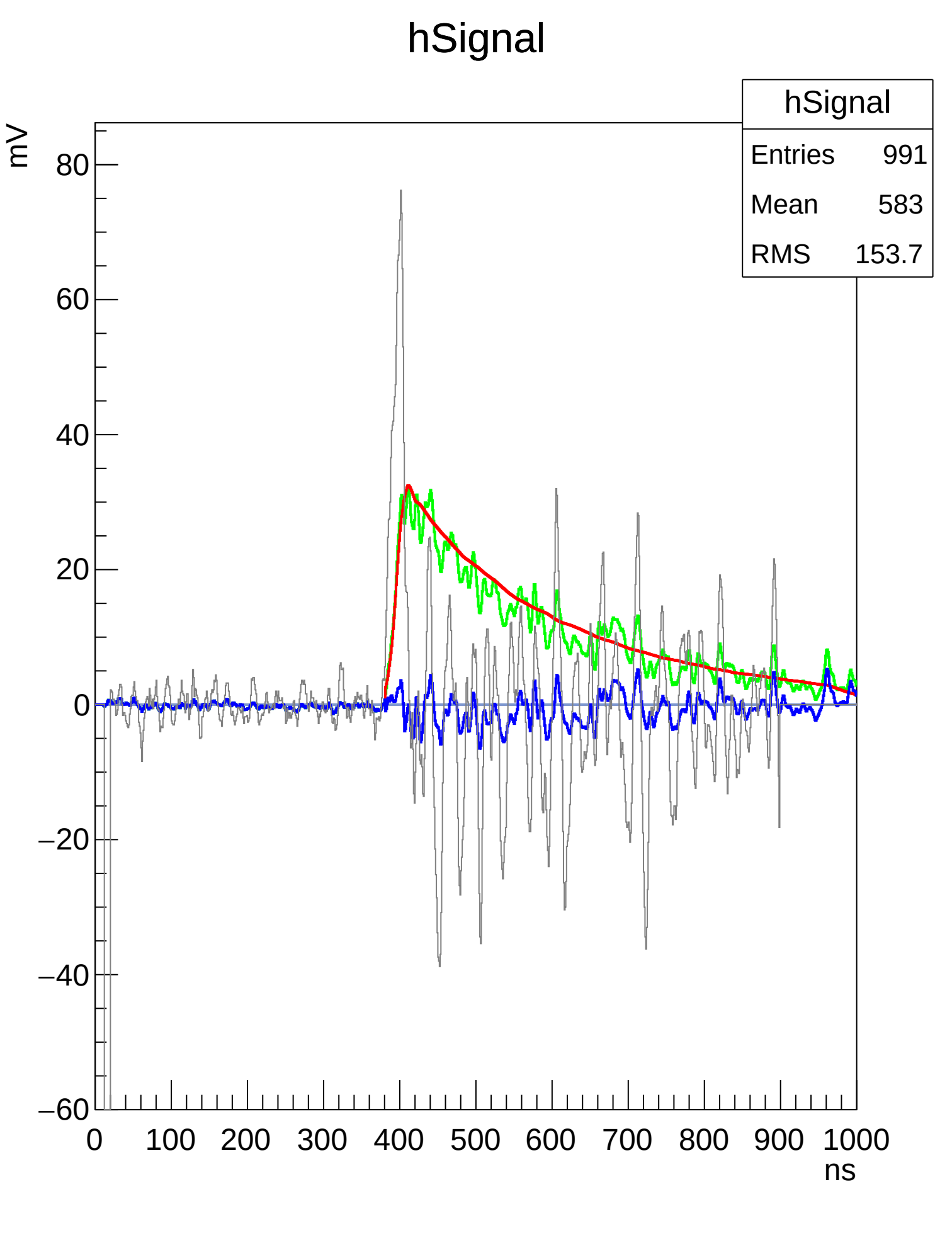
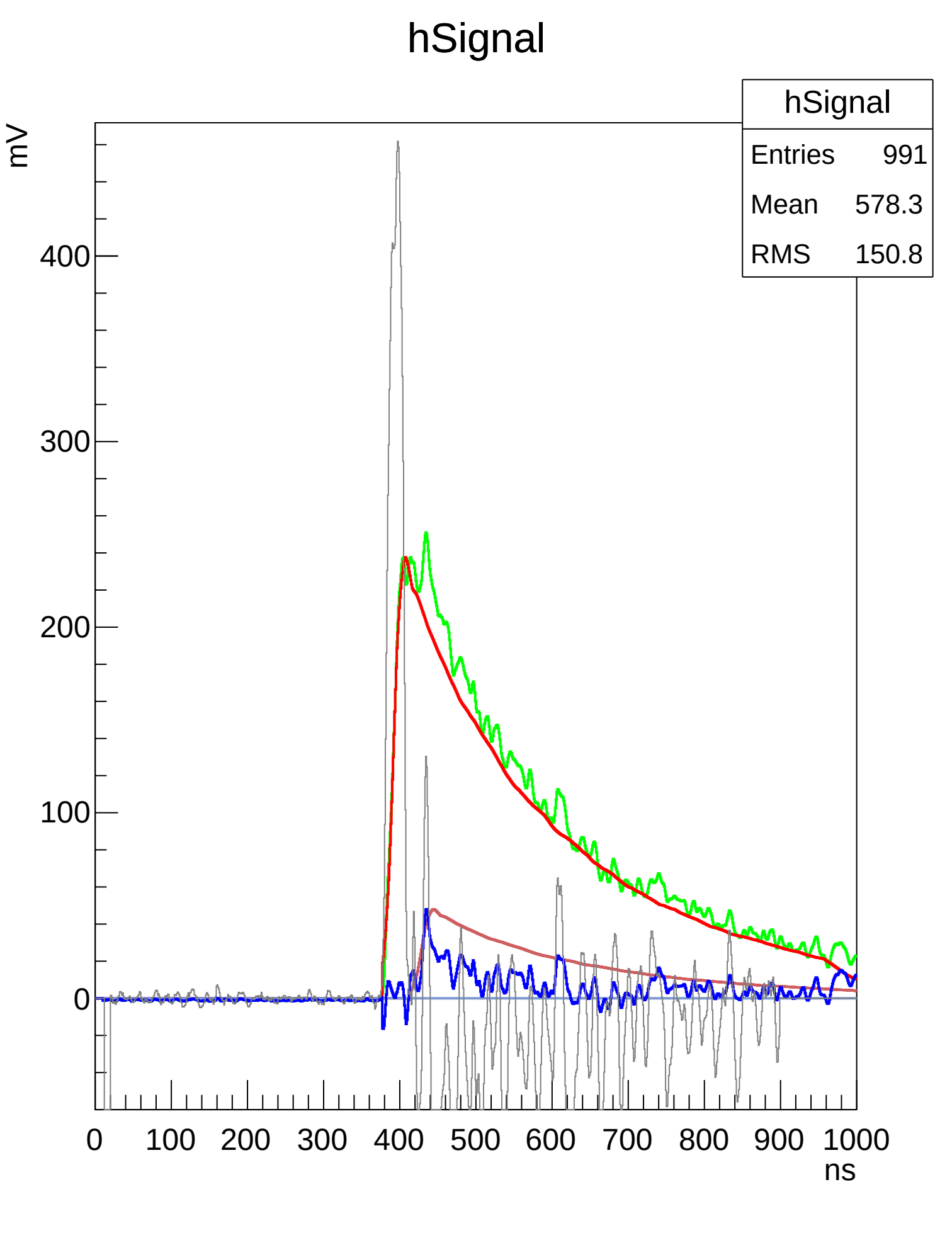
600
700
800
900
1000
ns

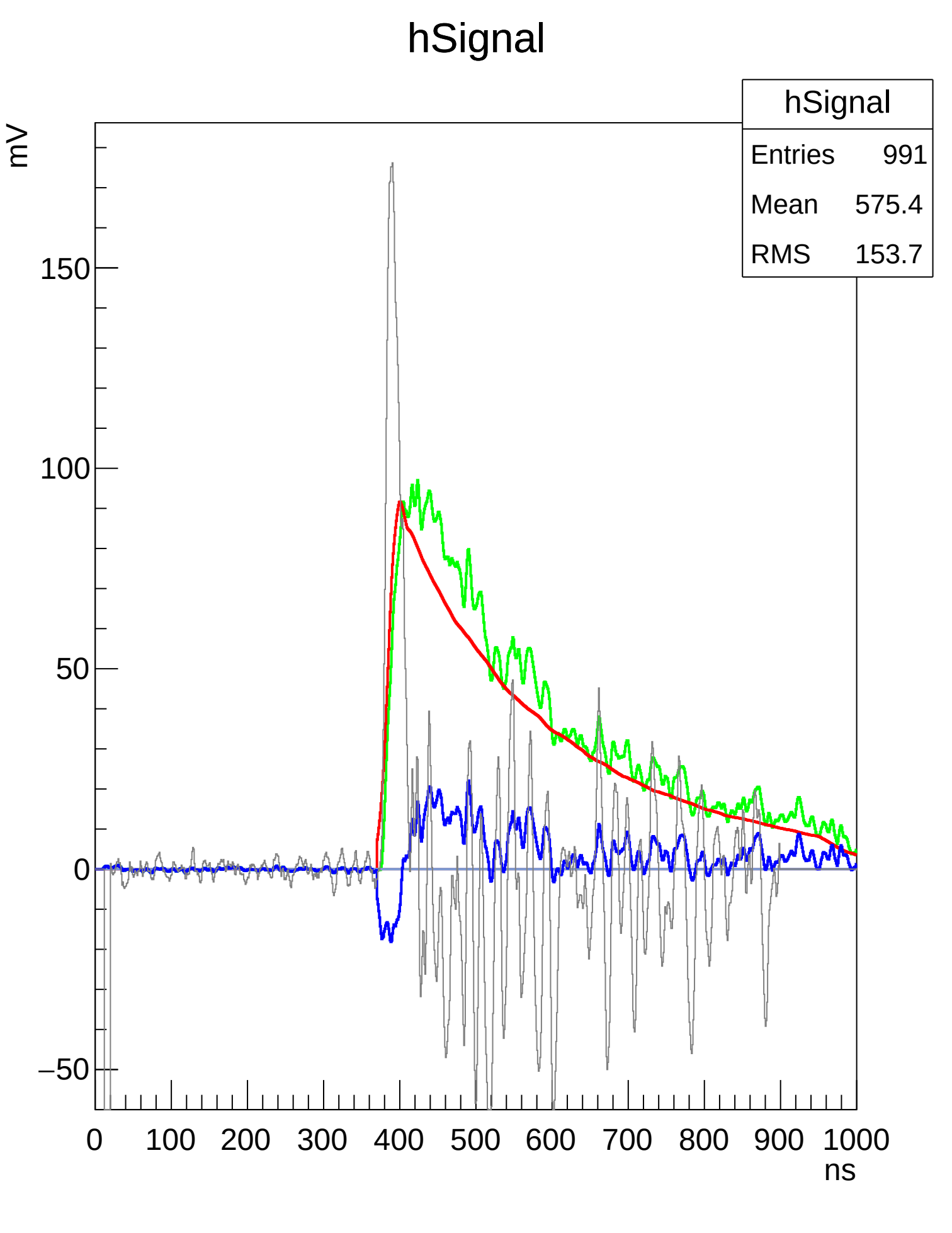

hSignal
hSignal
Entries 991
Mean 589.9
RMS 154.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.6
RMS 106.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.7
RMS 151.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583
RMS 153.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 150.8
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.4
RMS 153.7
mV
150
100
50
0
−50
0
100
200
300
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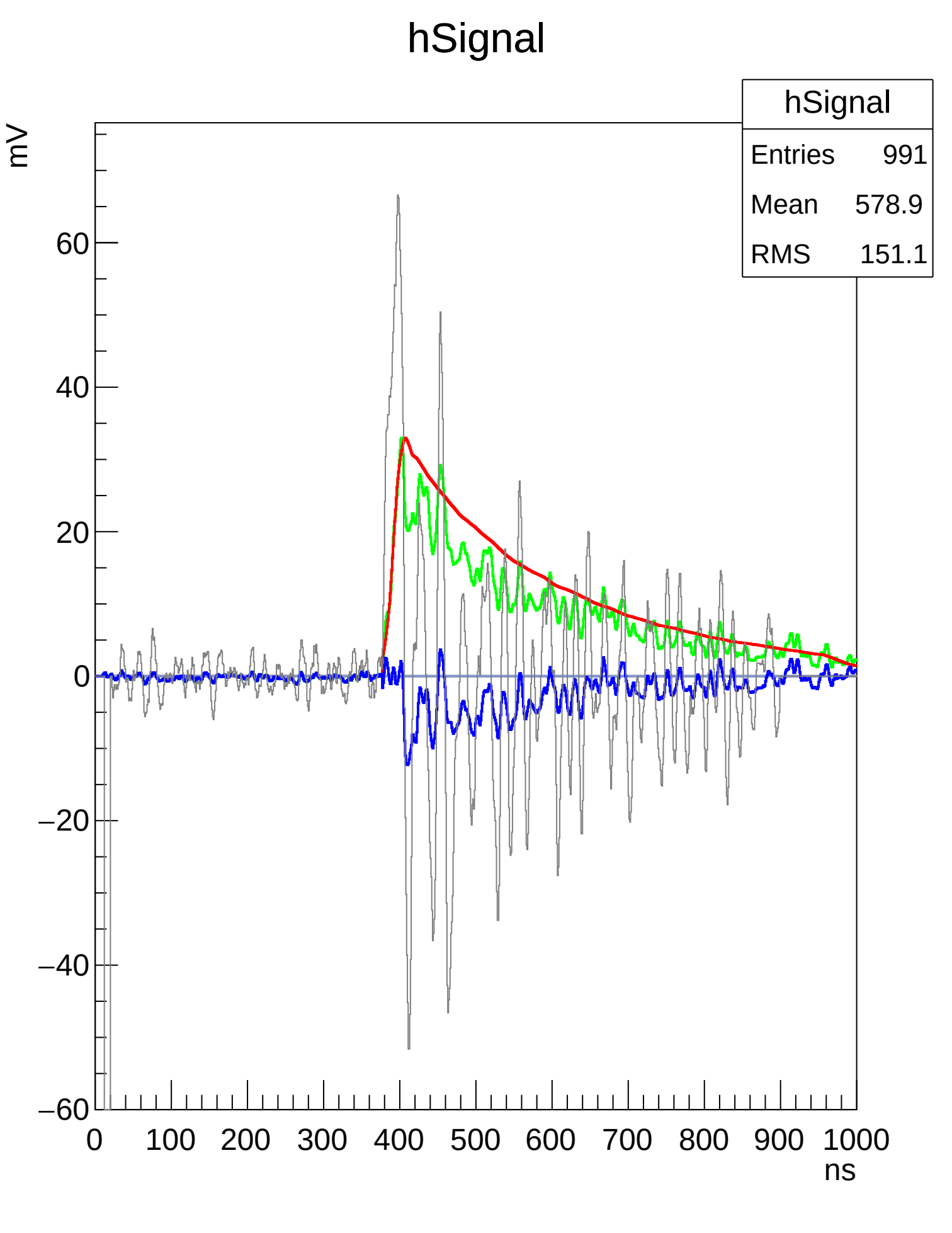
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 151.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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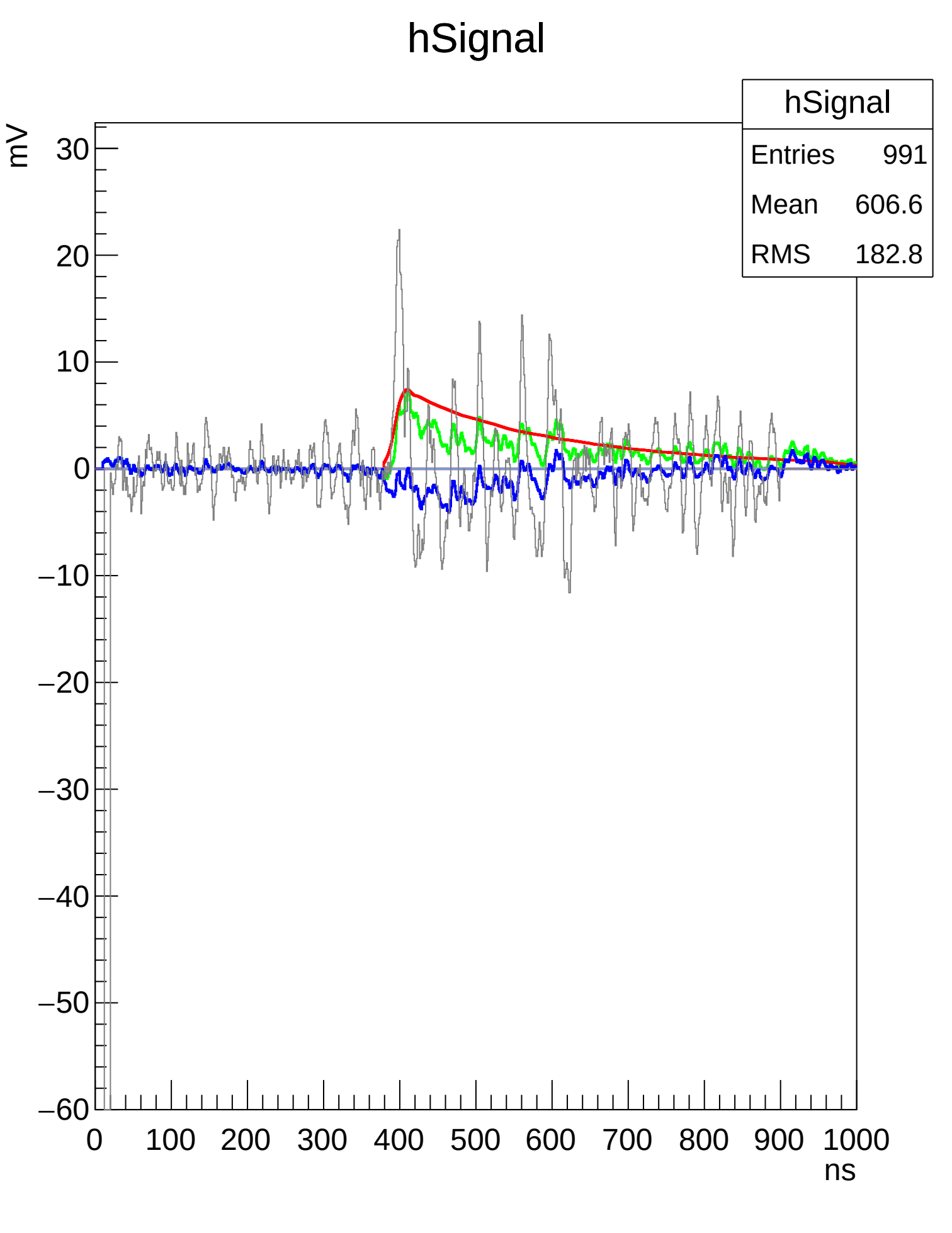
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.6
RMS 182.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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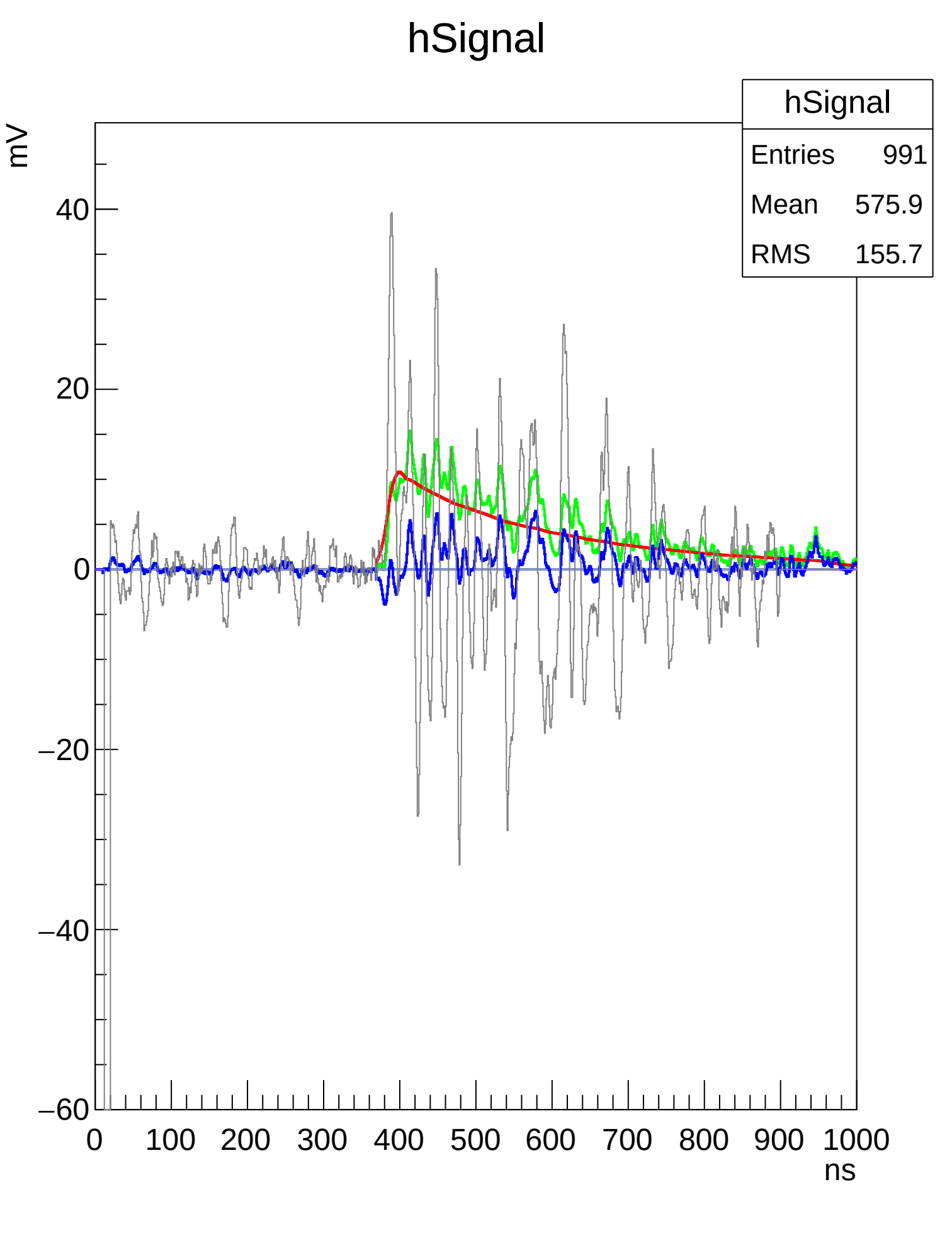
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 155.7
mV
40
20
0
−20
−40
−60
0
100
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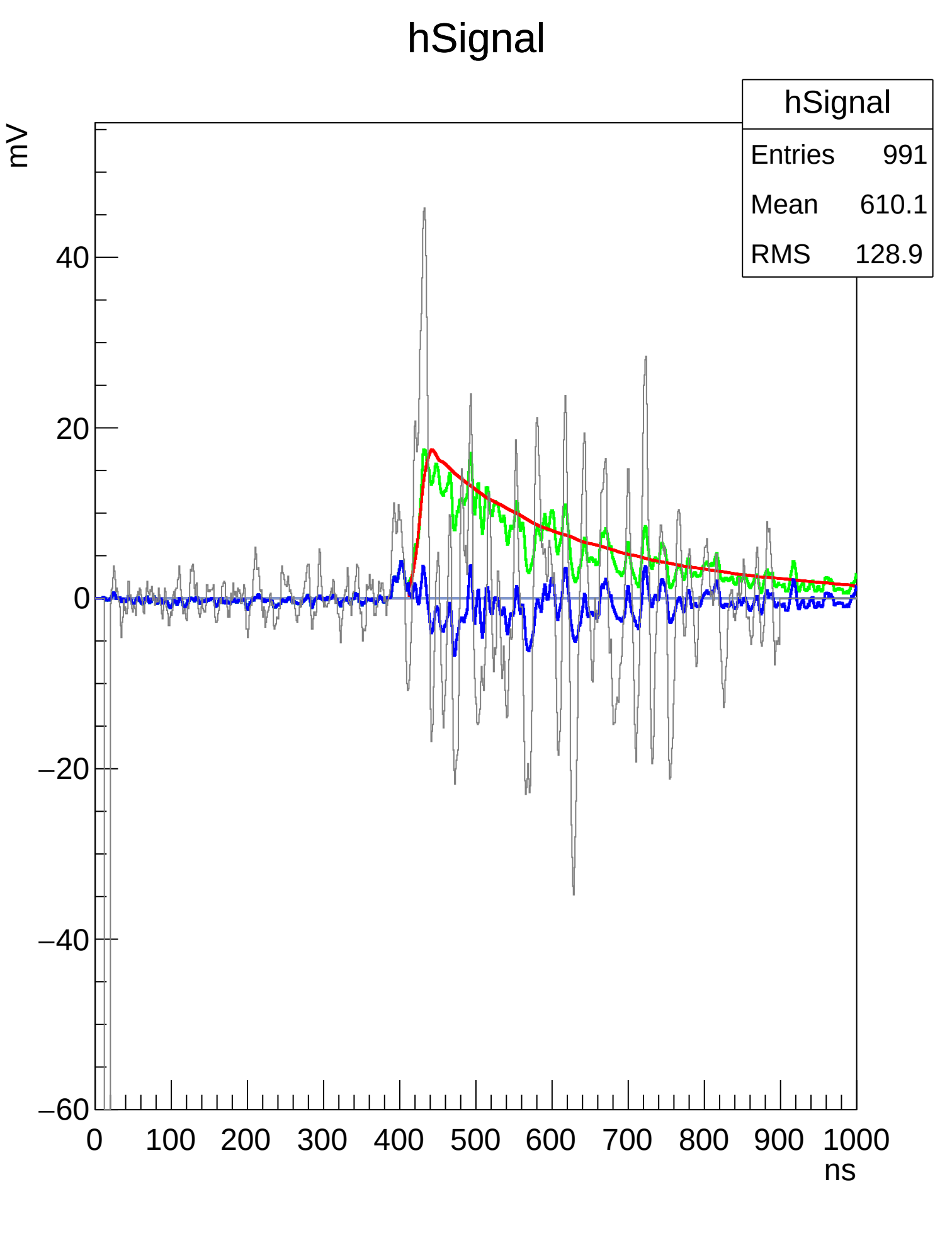
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.1
RMS 128.9
mV
40
20
0
−20
−40
−60
0
100
200
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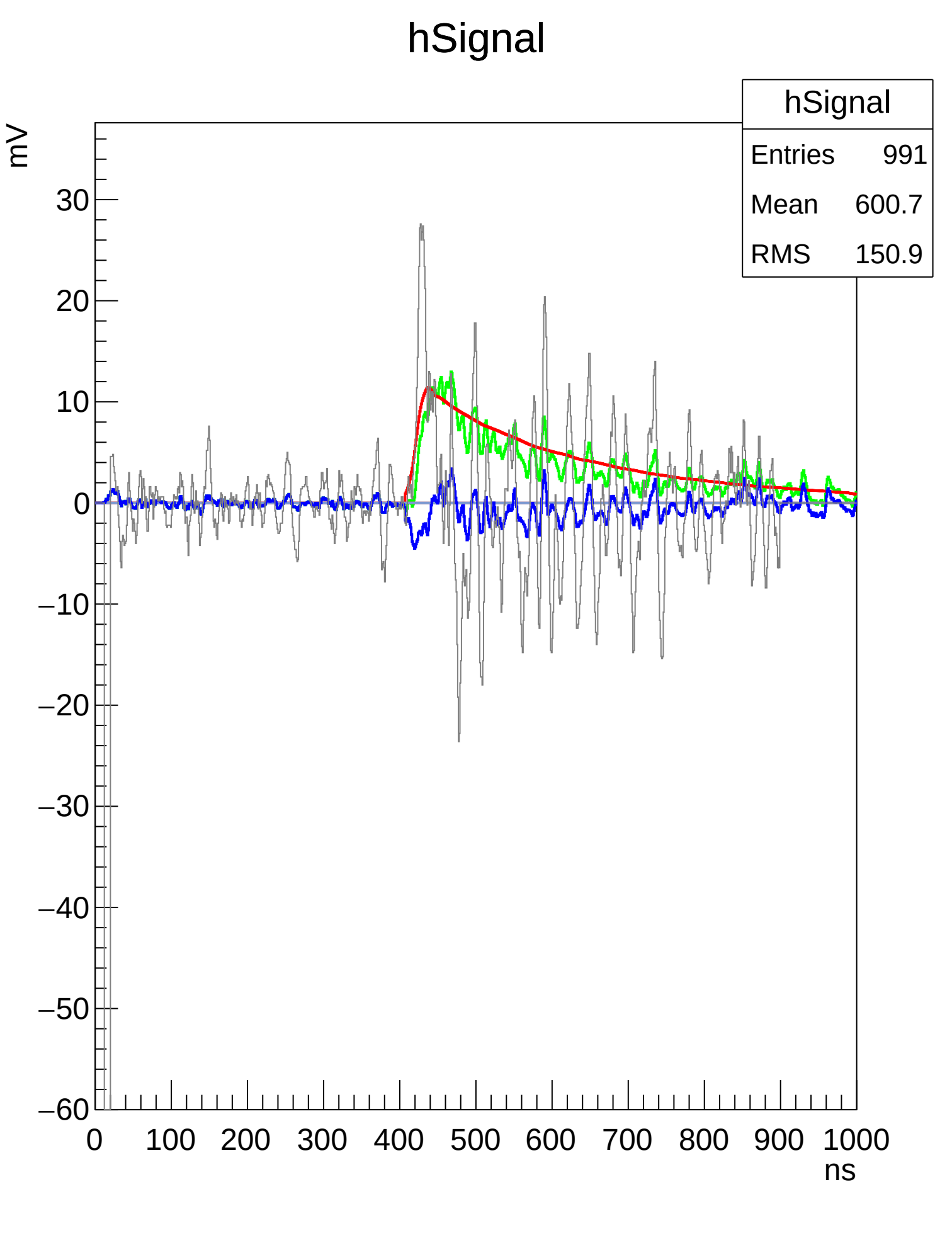
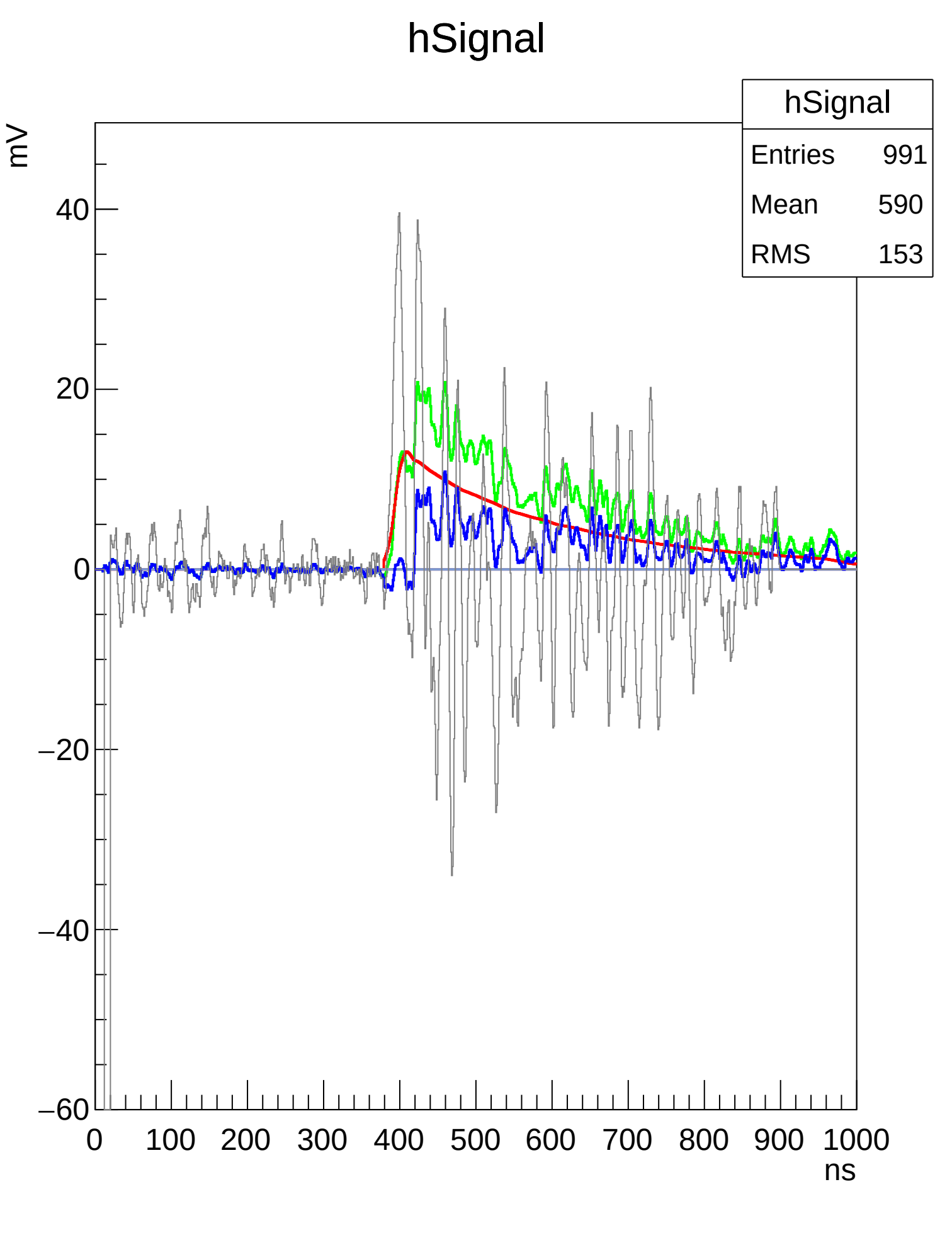
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 150.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 153
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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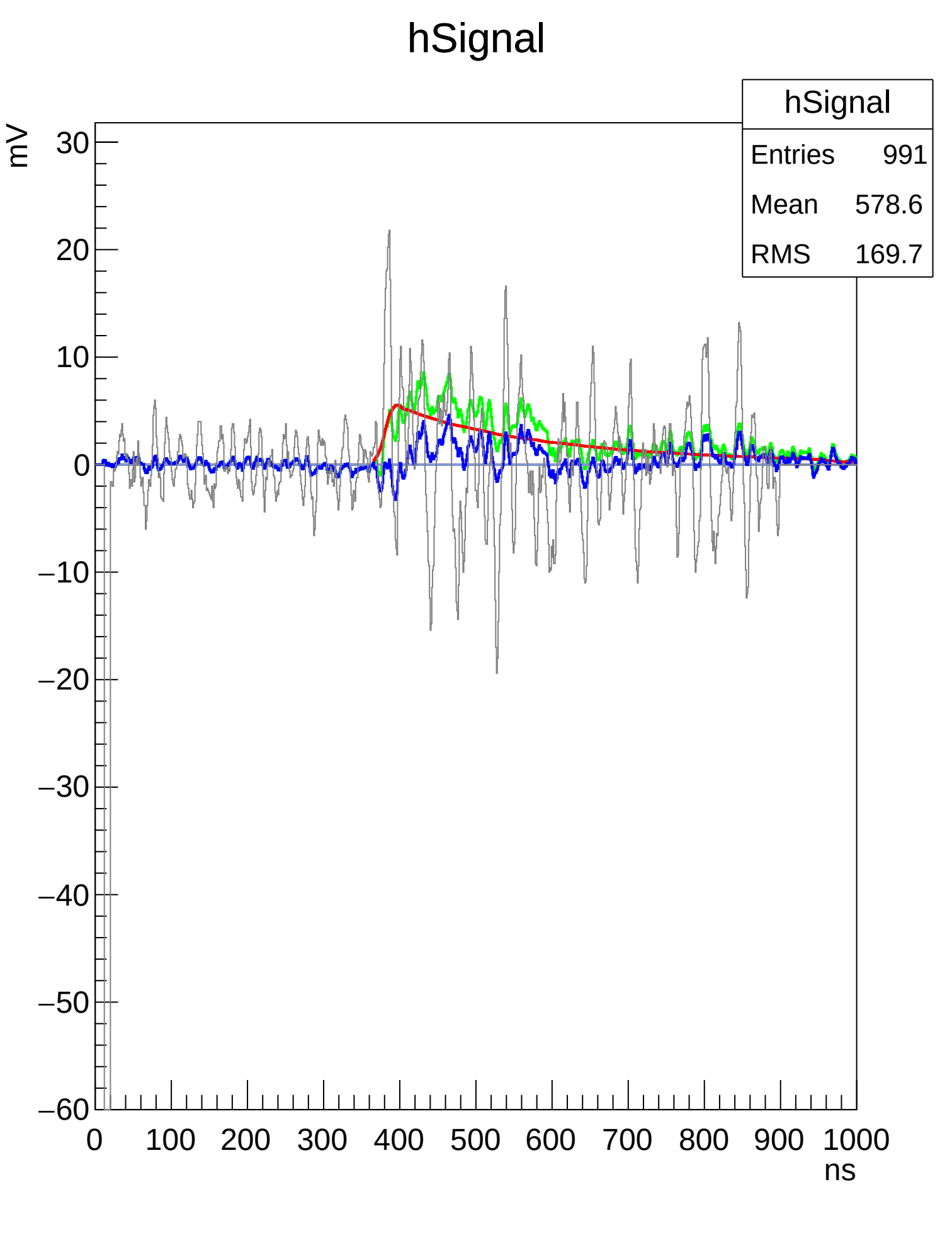
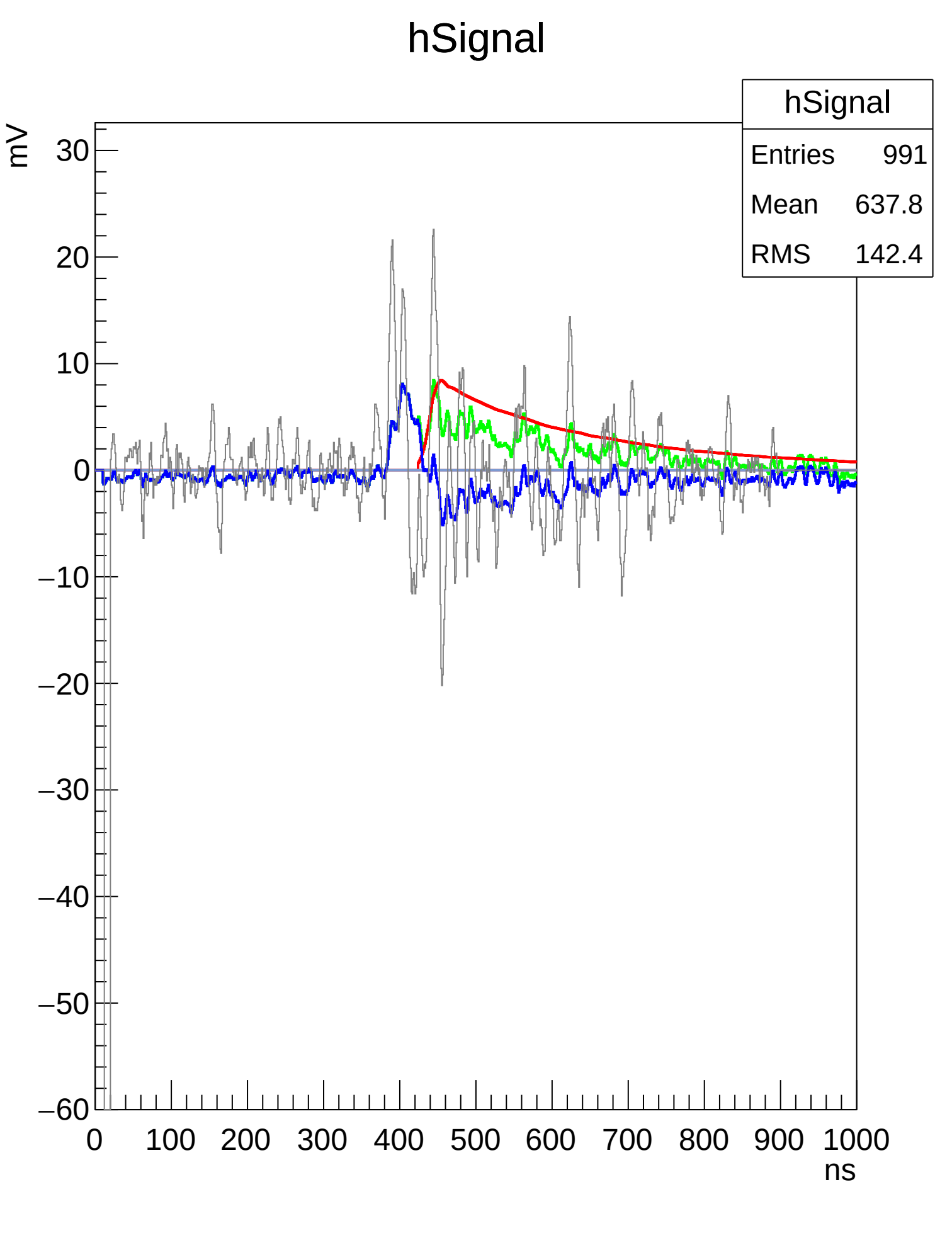
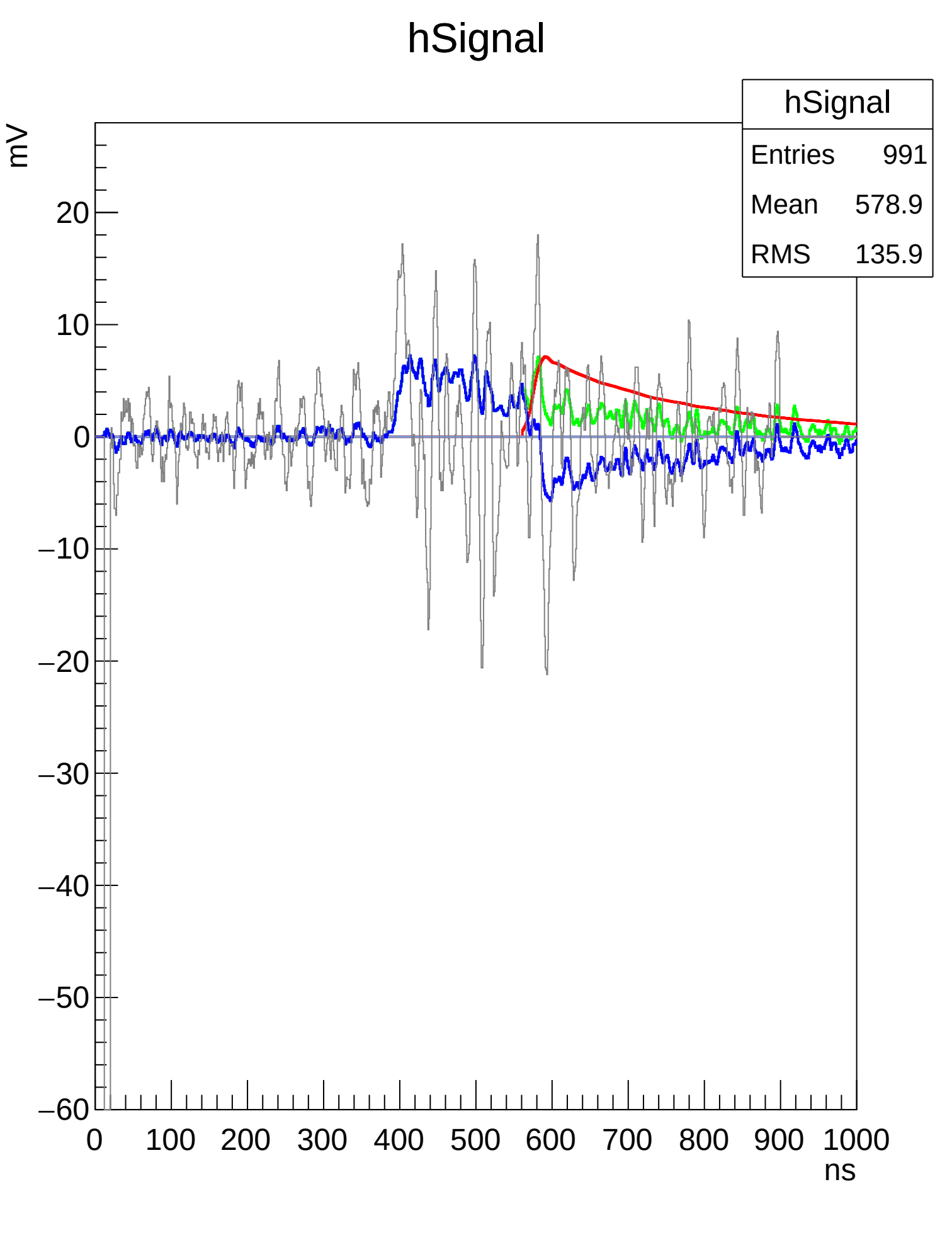
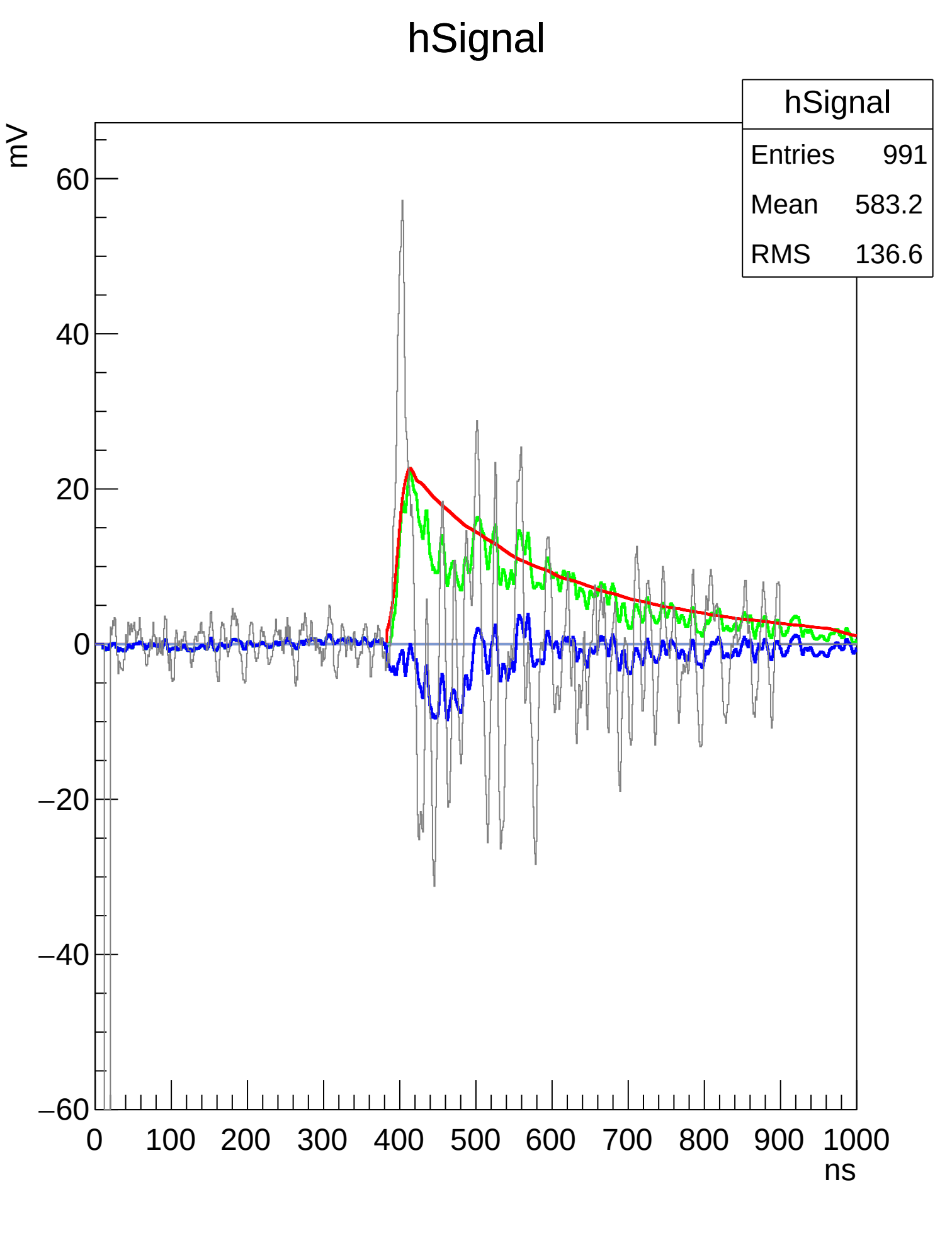
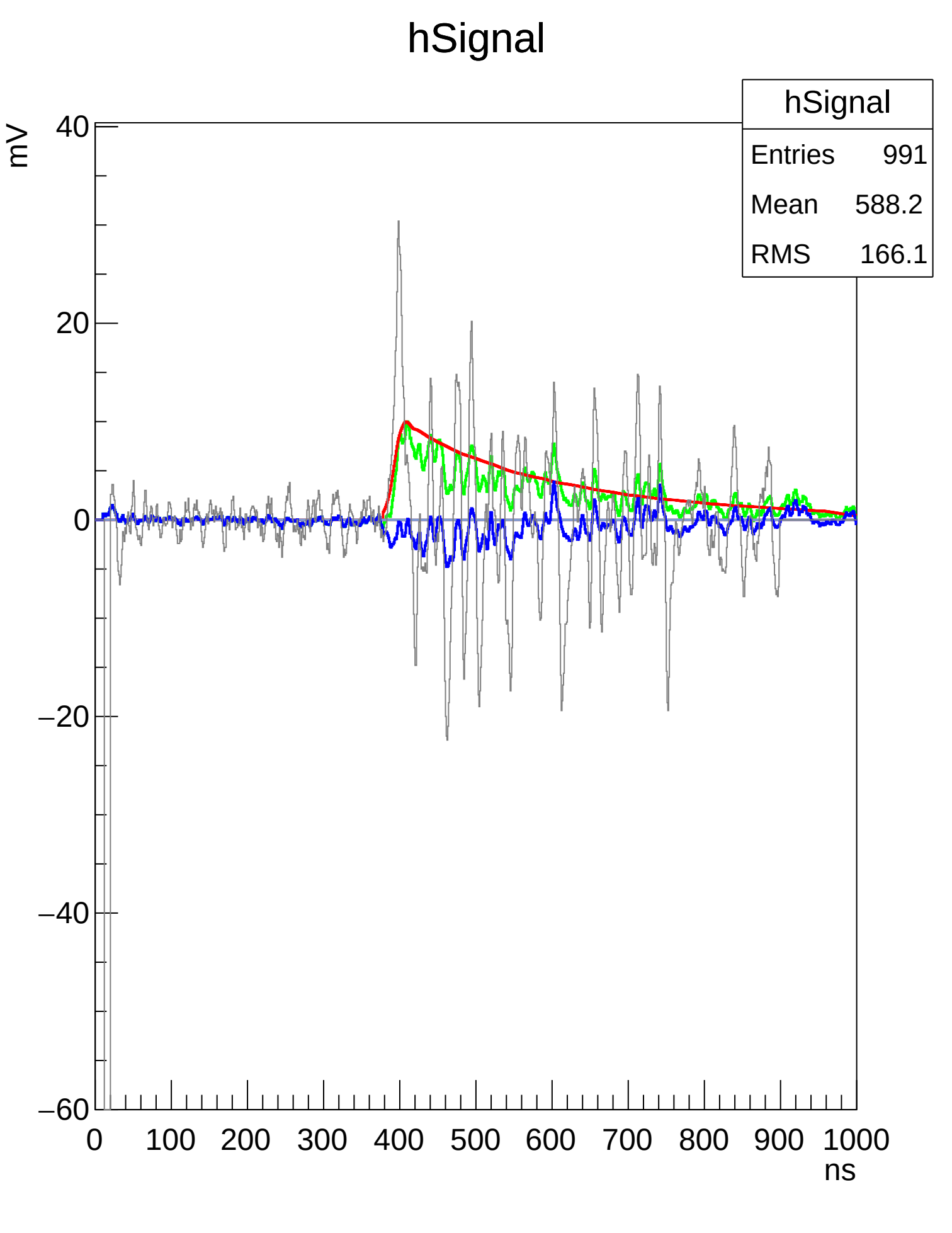
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.6
RMS 169.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 637.8
RMS 142.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 135.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.2
RMS 136.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.2
RMS 166.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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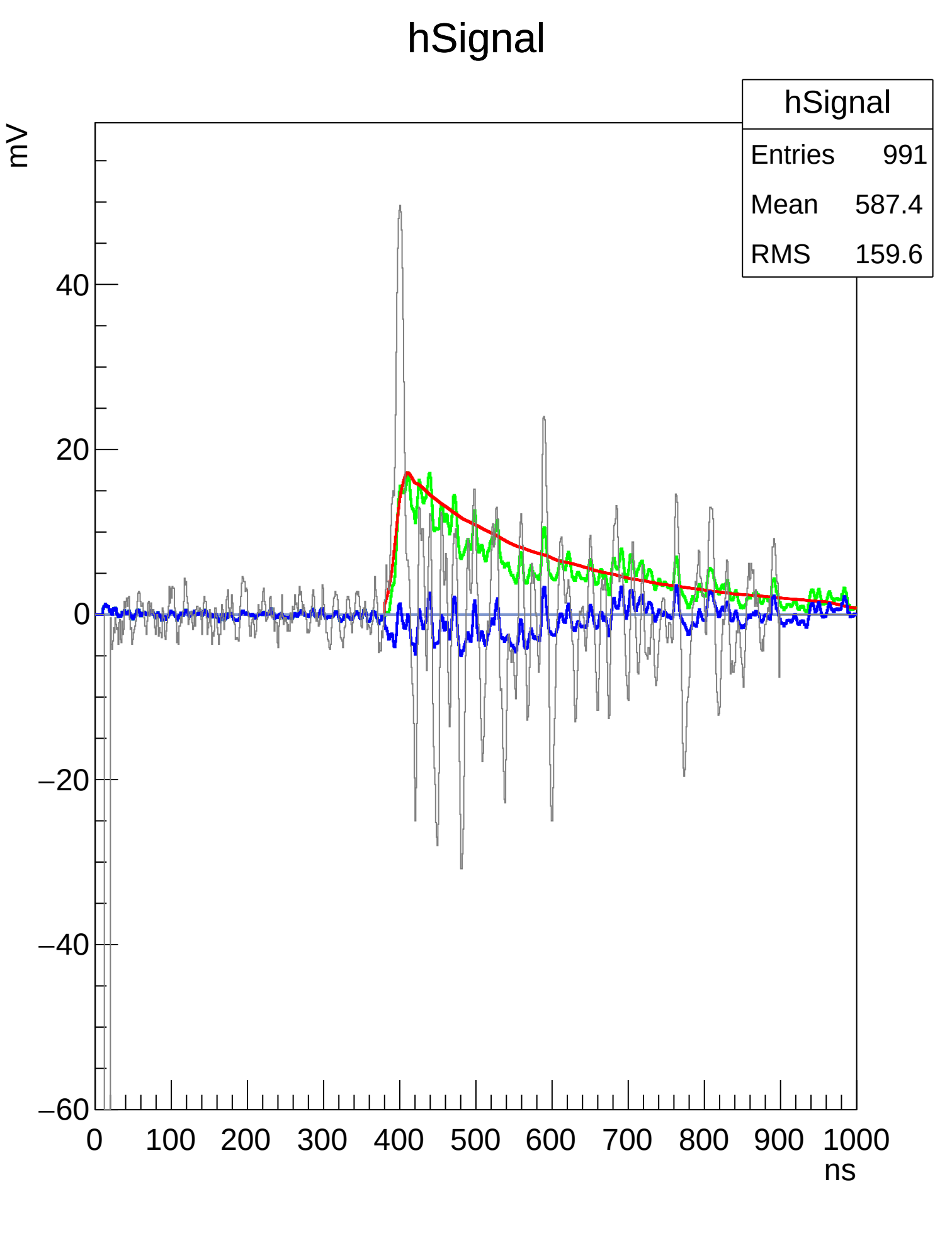
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.4
RMS 159.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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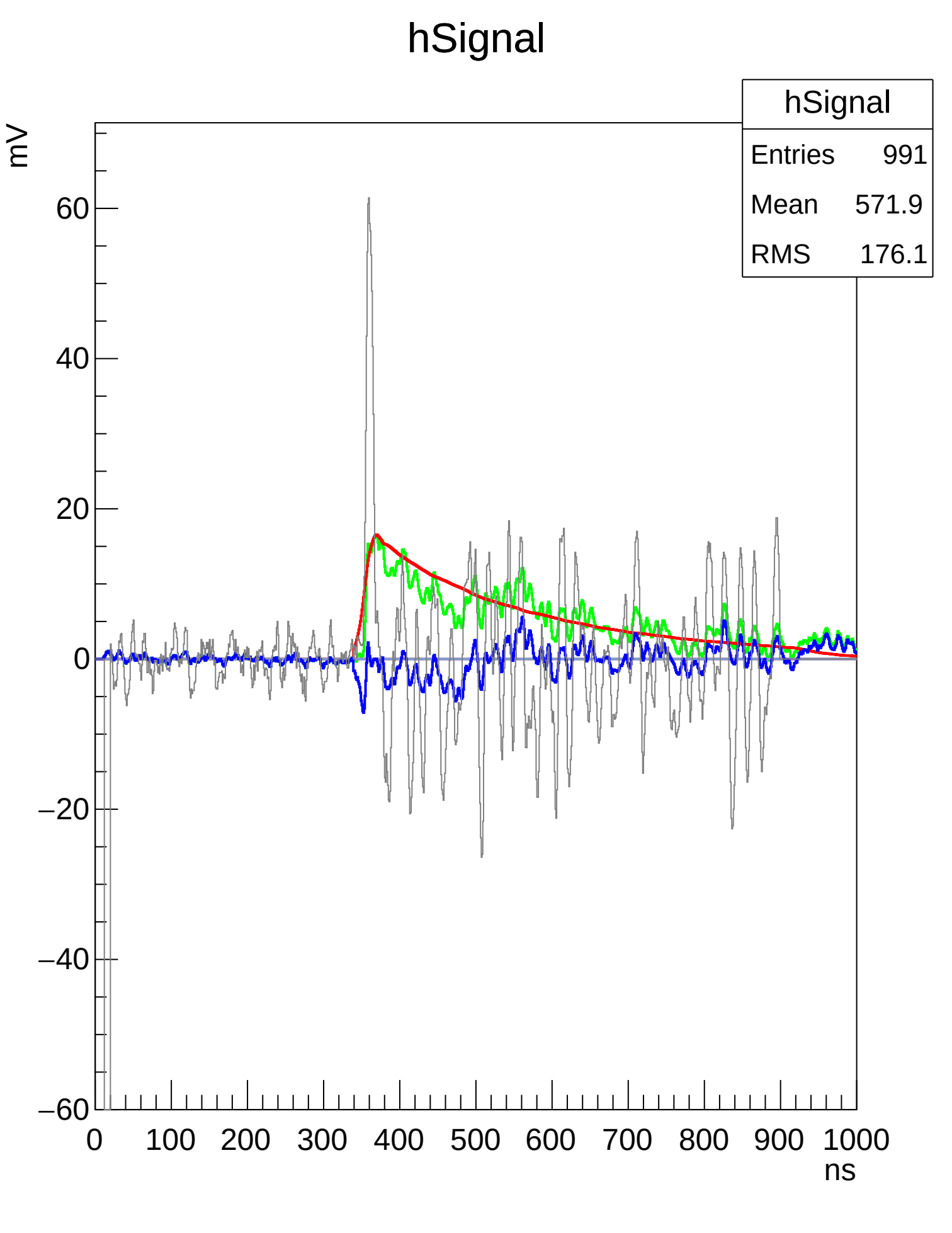
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.9
RMS 176.1
mV
60
40
20
0
−20
−40
−60
0
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200
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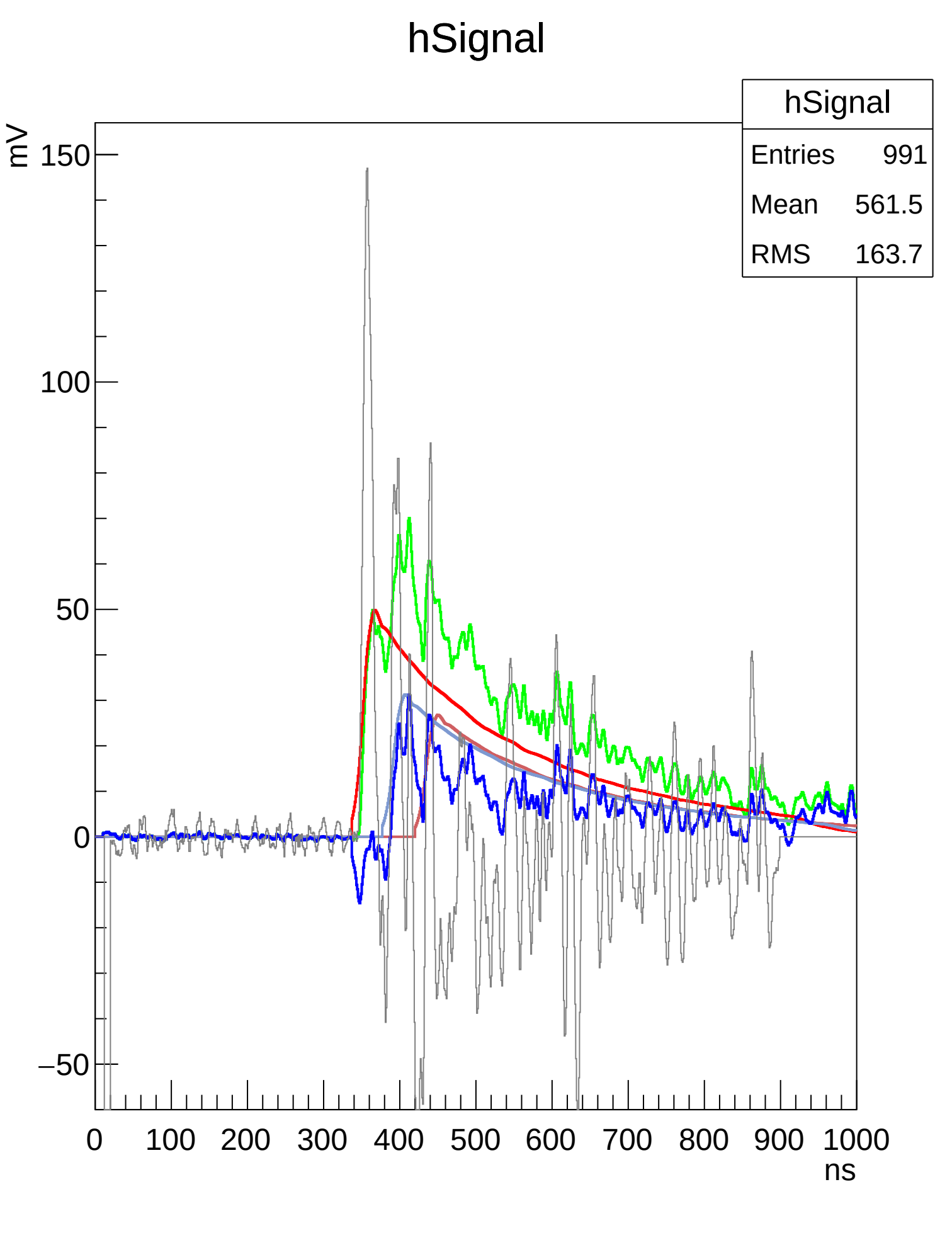
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.5
RMS 163.7
mV
150
100
50
0
−50
0
100
200
300
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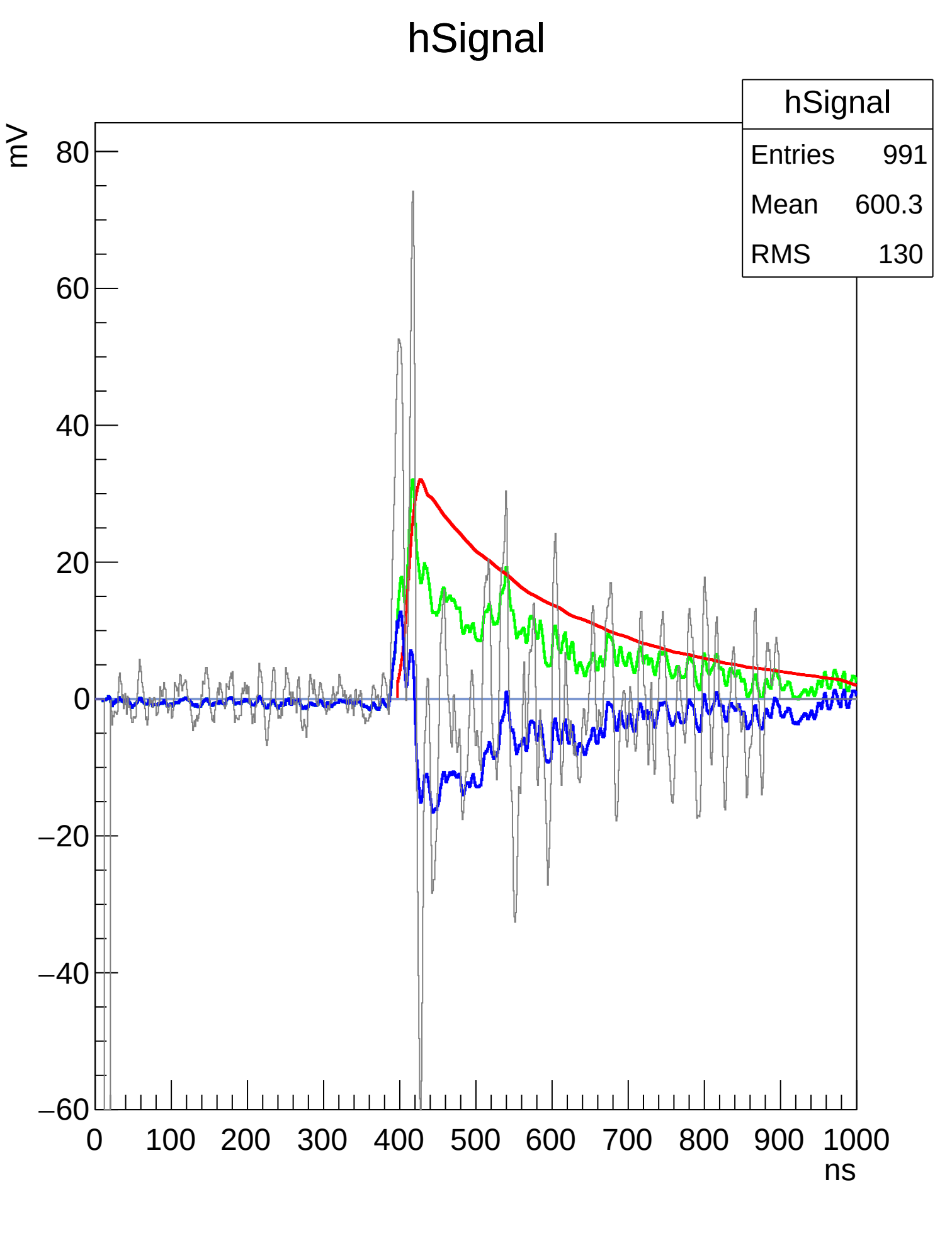
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.3
RMS 130
mV
80
60
40
20
0
−20
−40
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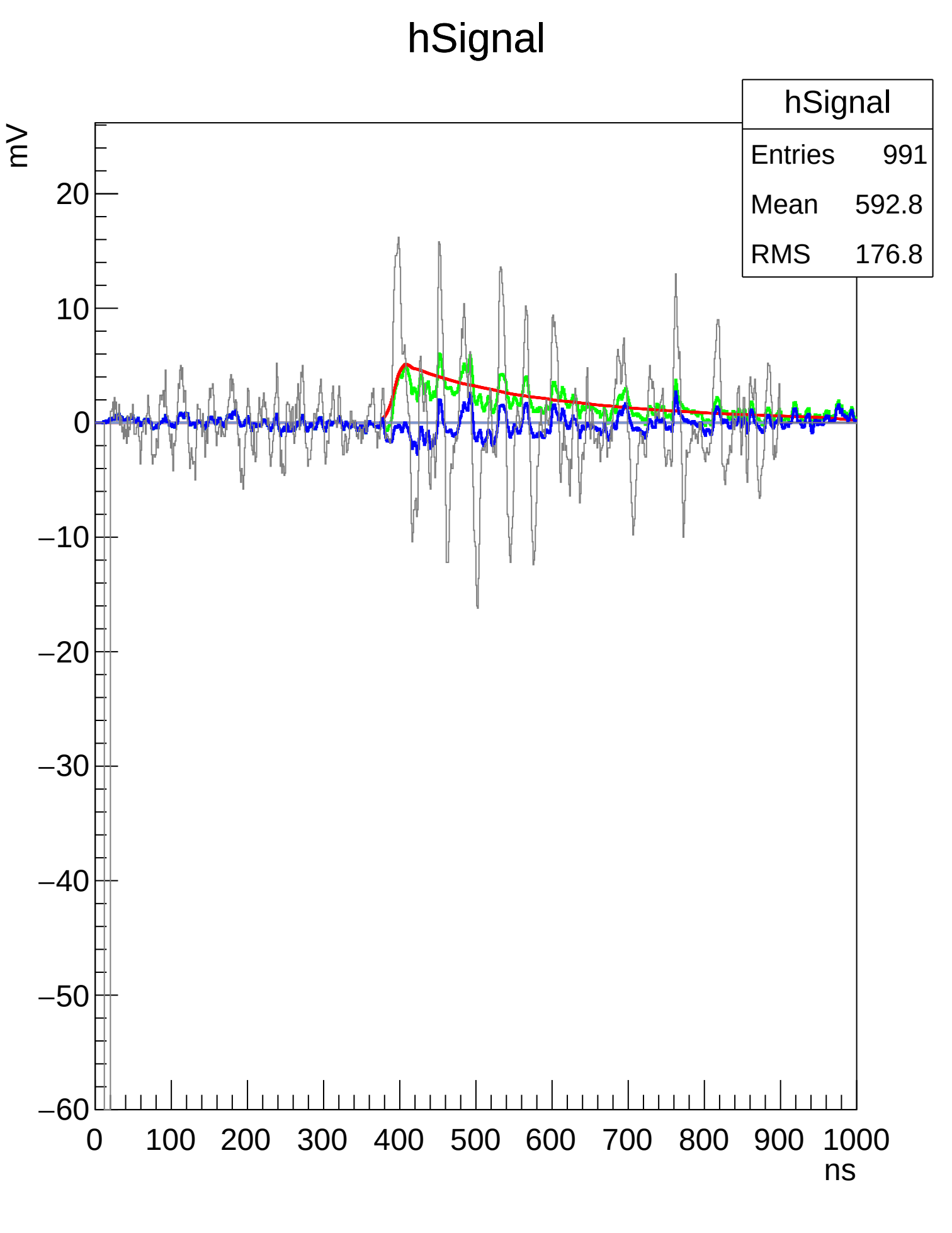
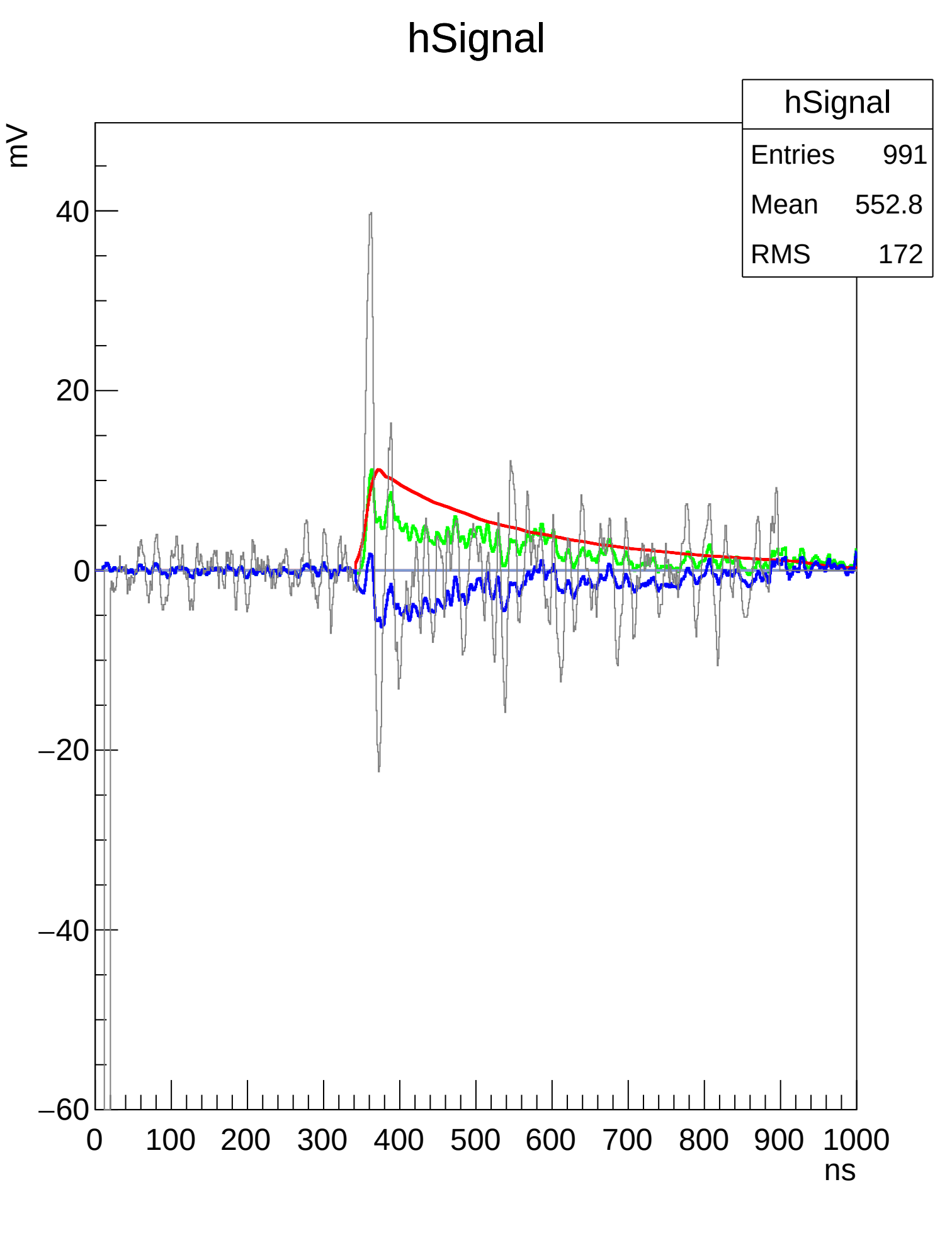
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.8
RMS 176.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.8
RMS 172
mV
40
20
0
−20
−40
−60
0
100
200
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400
500
600
700
800
900
1000
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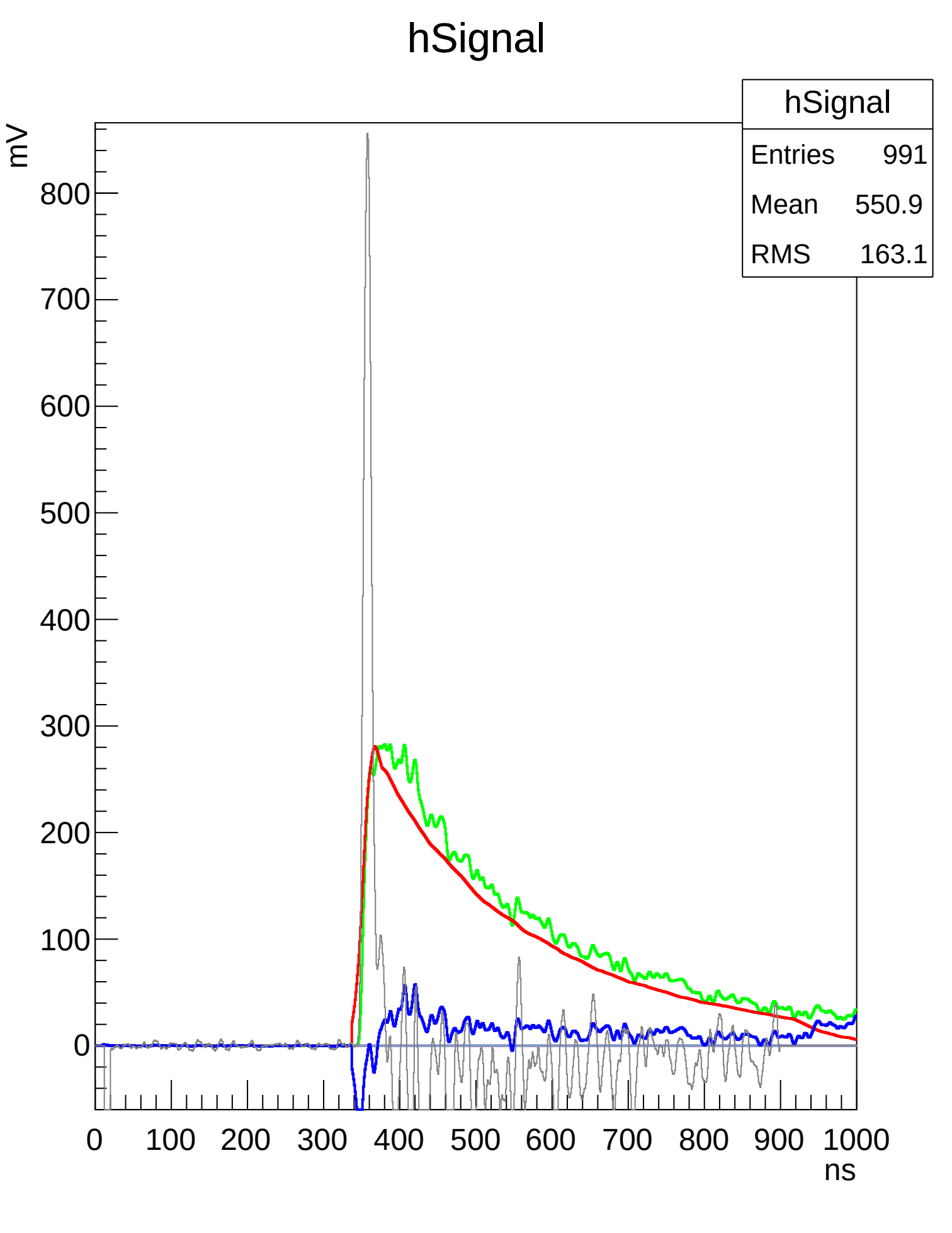
hSignal
hSignal
Entries 991
Mean 550.9
RMS 163.1
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
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800
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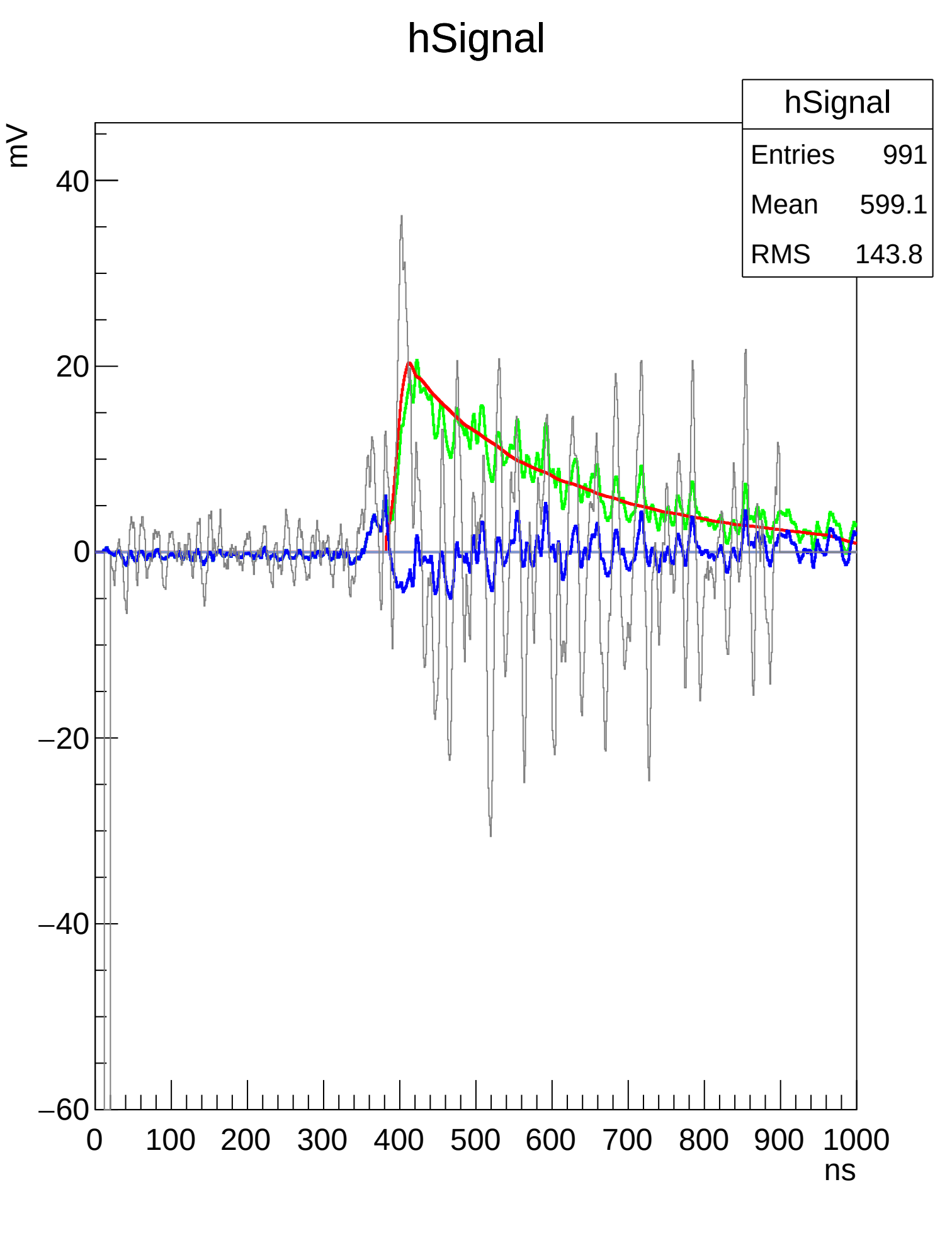
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 143.8
mV
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−20
−40
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0
100
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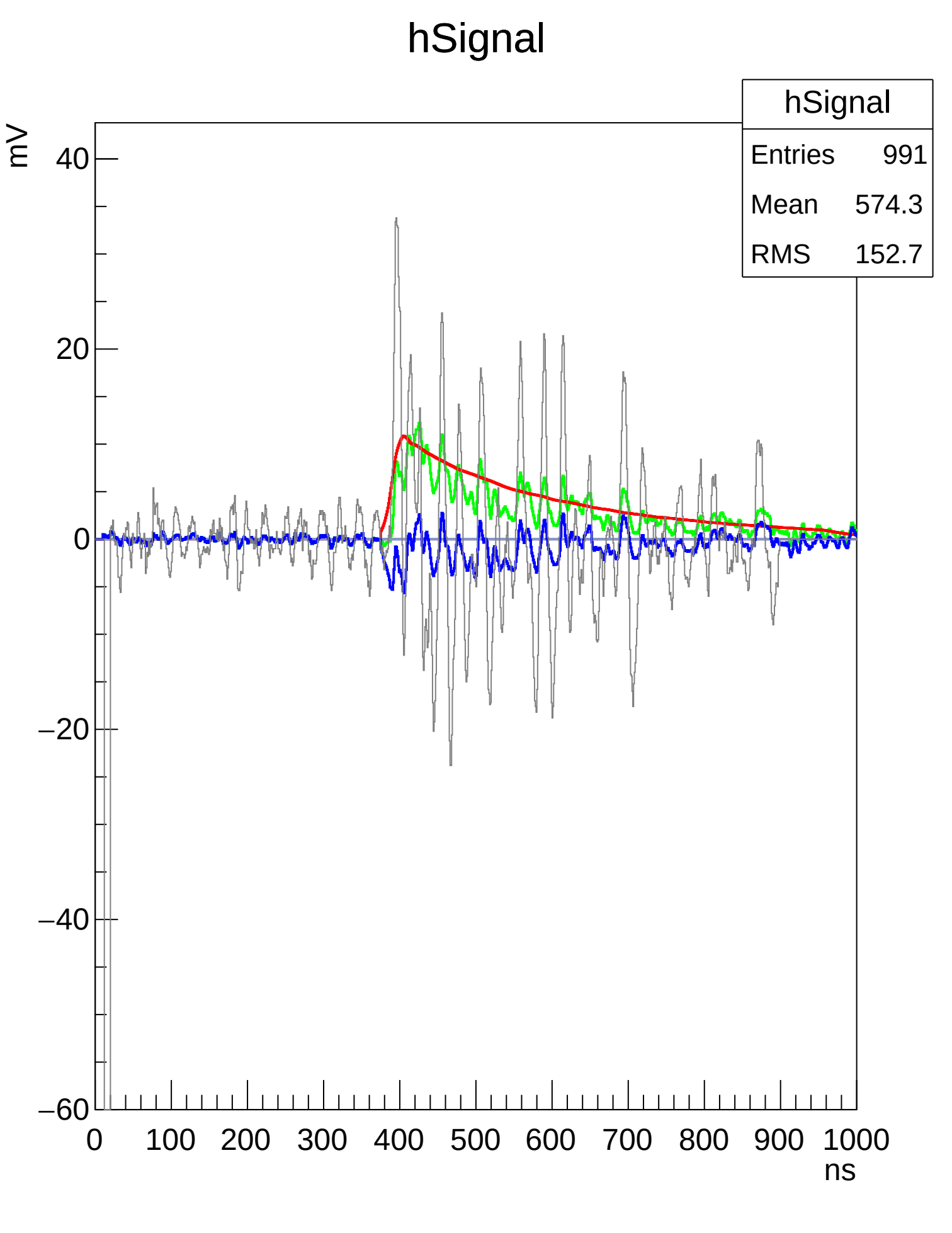
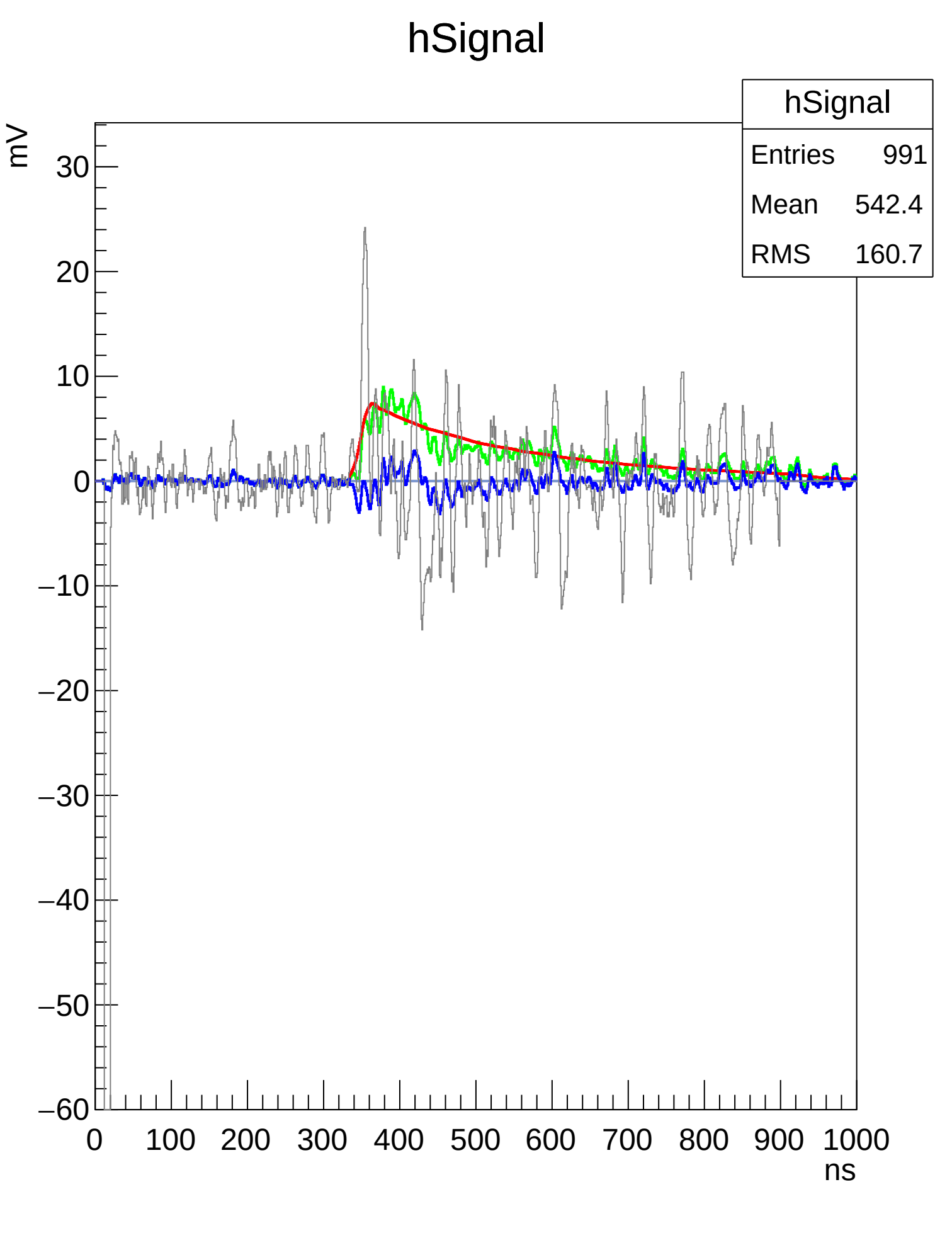
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 152.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.4
RMS 160.7
mV
30
20
10
0
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−20
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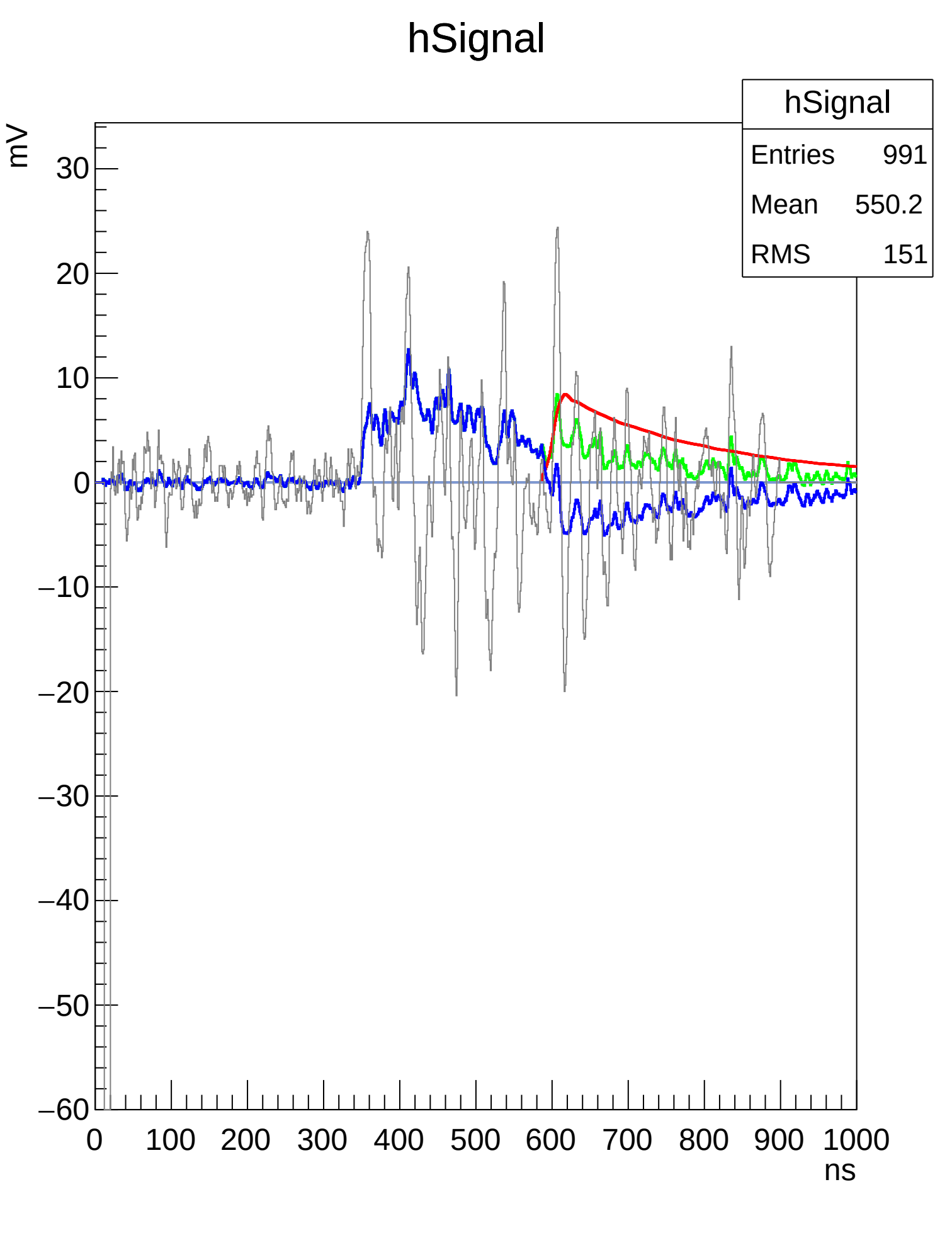
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.2
RMS 151
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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800
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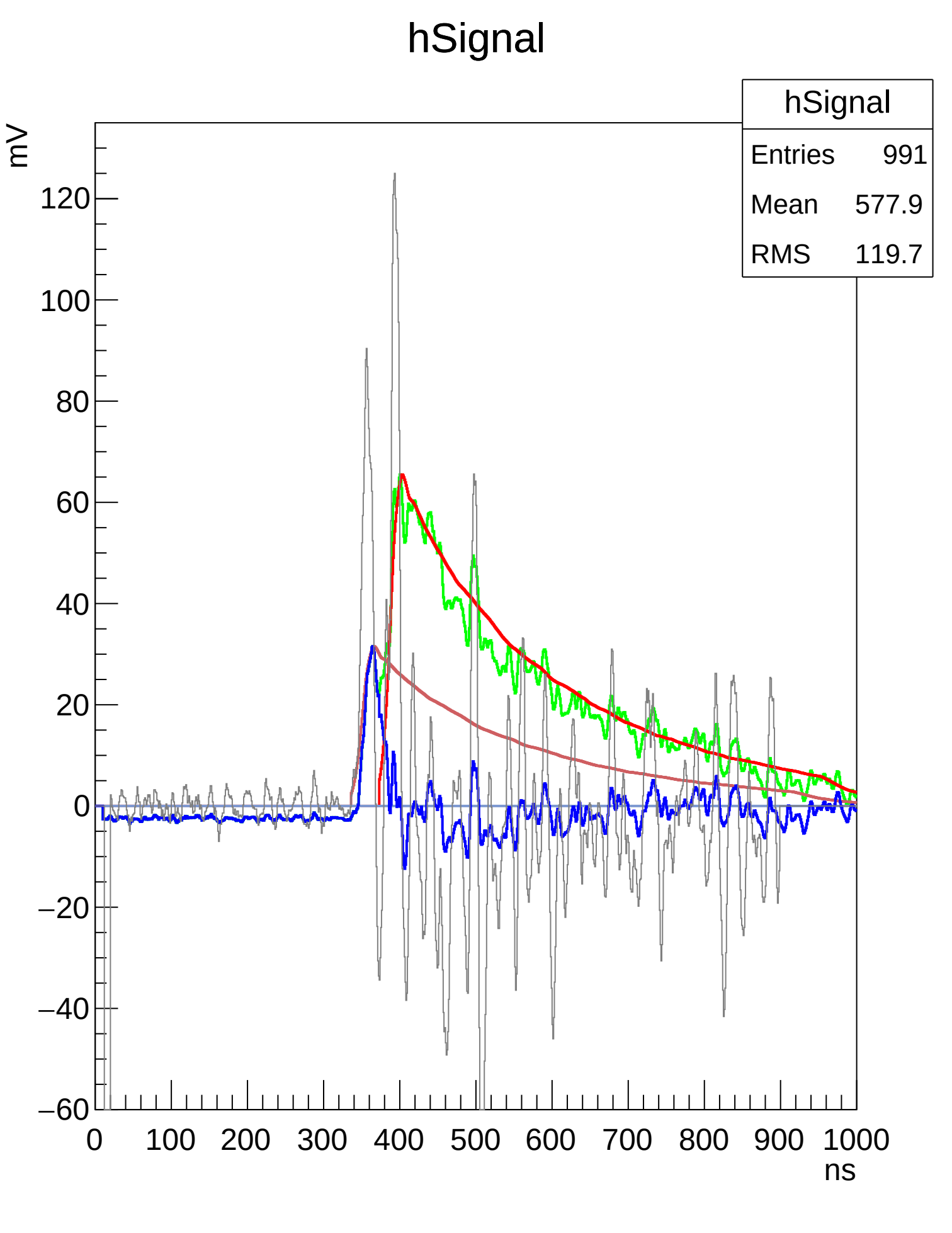
1000
ns


hSignal
hSignal
Entries 991
Mean 577.9
RMS 119.7
mV
120
100
80
60
40
20
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−20
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800
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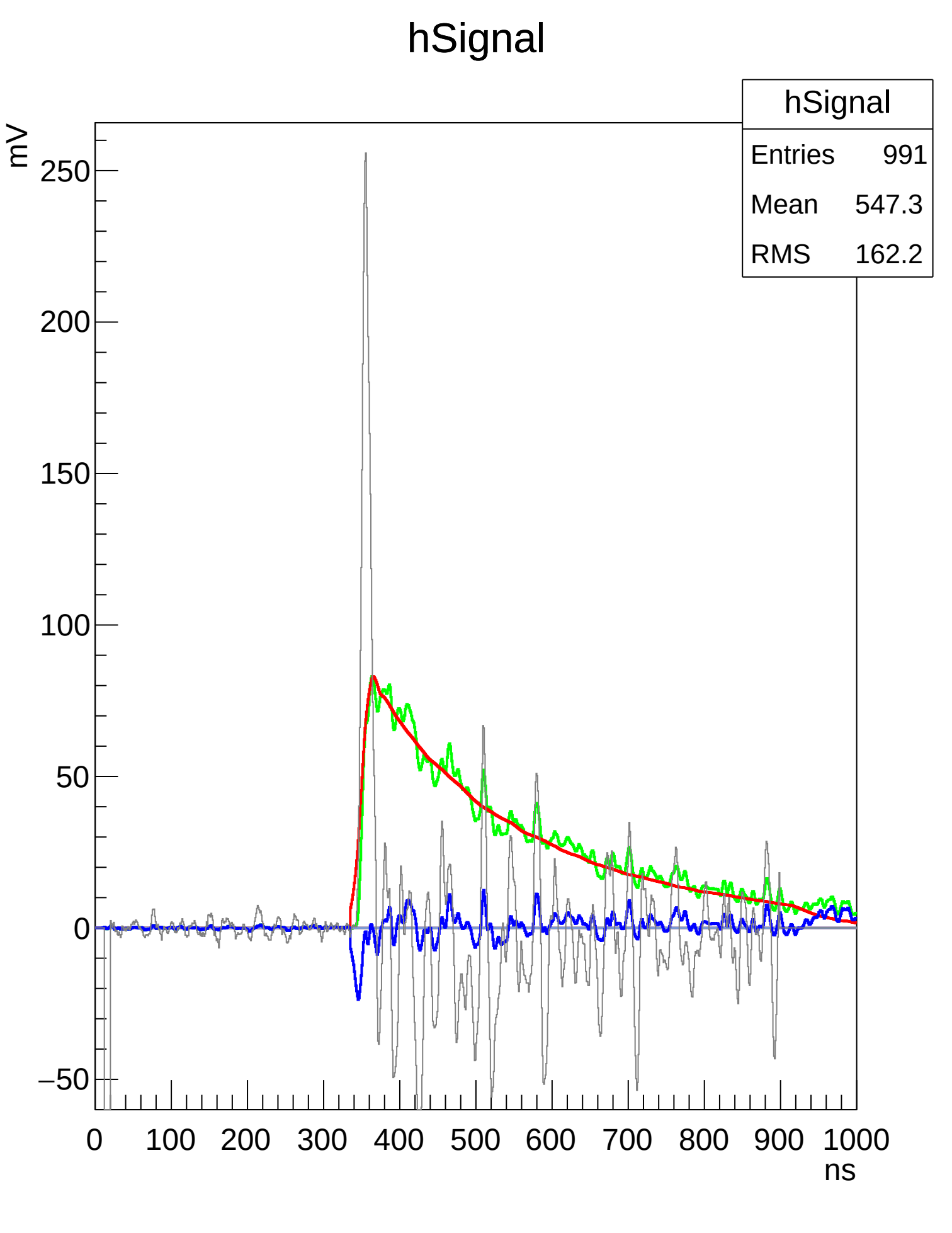
1000
ns


hSignal
hSignal
Entries 991
Mean 547.3
RMS 162.2
mV
250
200
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100
50
0
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100
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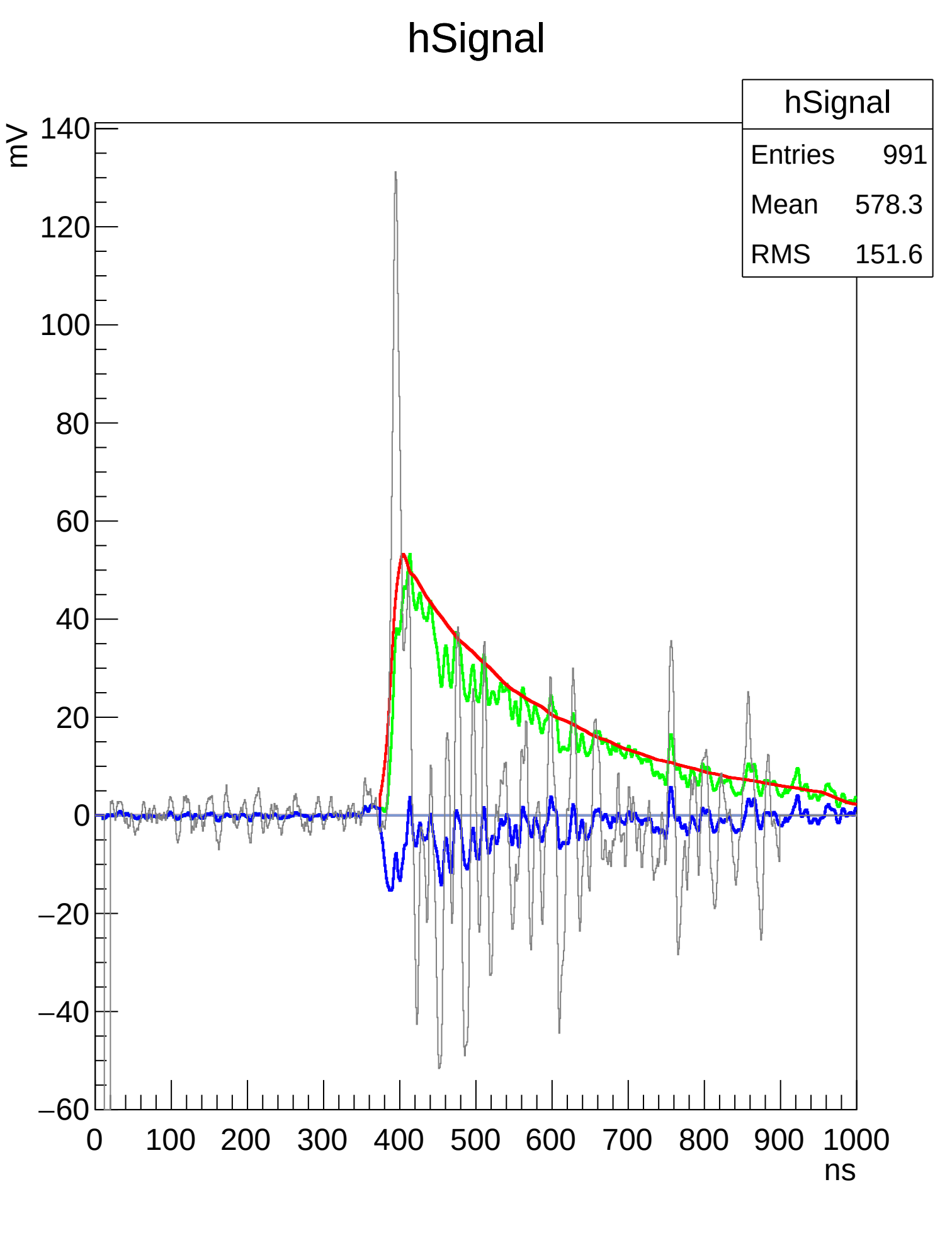
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 151.6
mV
140
120
100
80
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40
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0
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200
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400
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800
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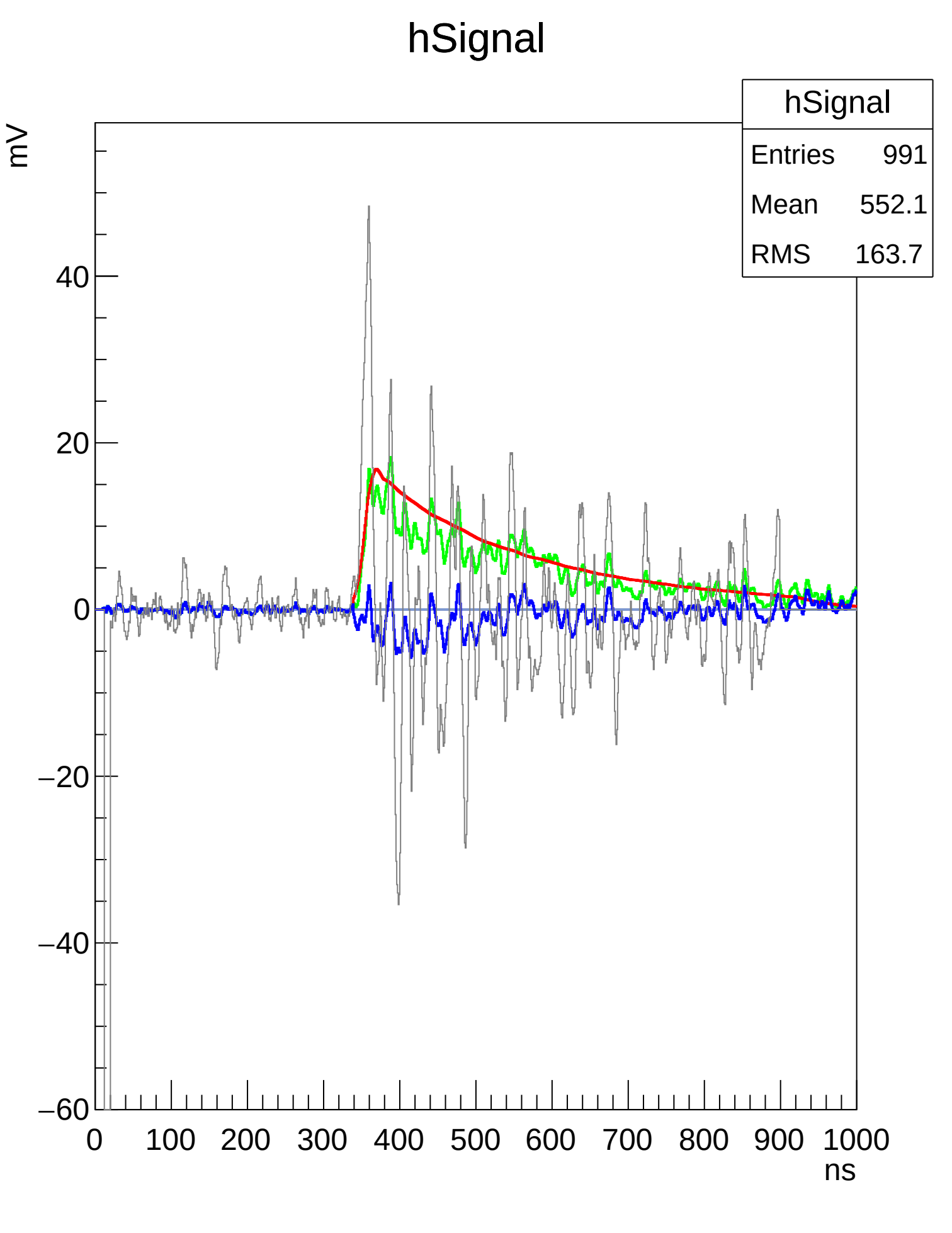
1000
ns


hSignal
hSignal
Entries 991
Mean 552.1
RMS 163.7
mV
40
20
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−20
−40
−60
0
100
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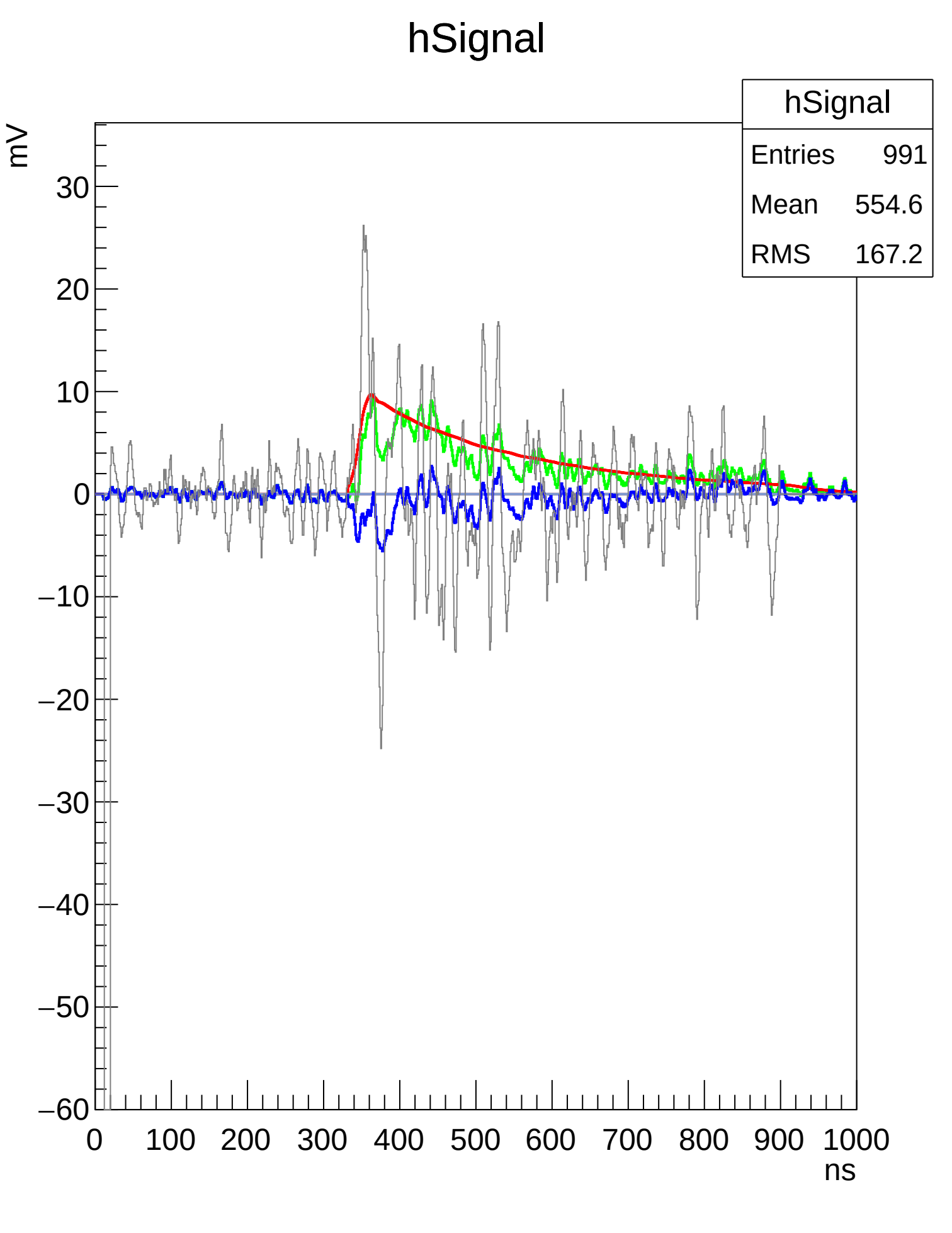
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 167.2
mV
30
20
10
0
−10
−20
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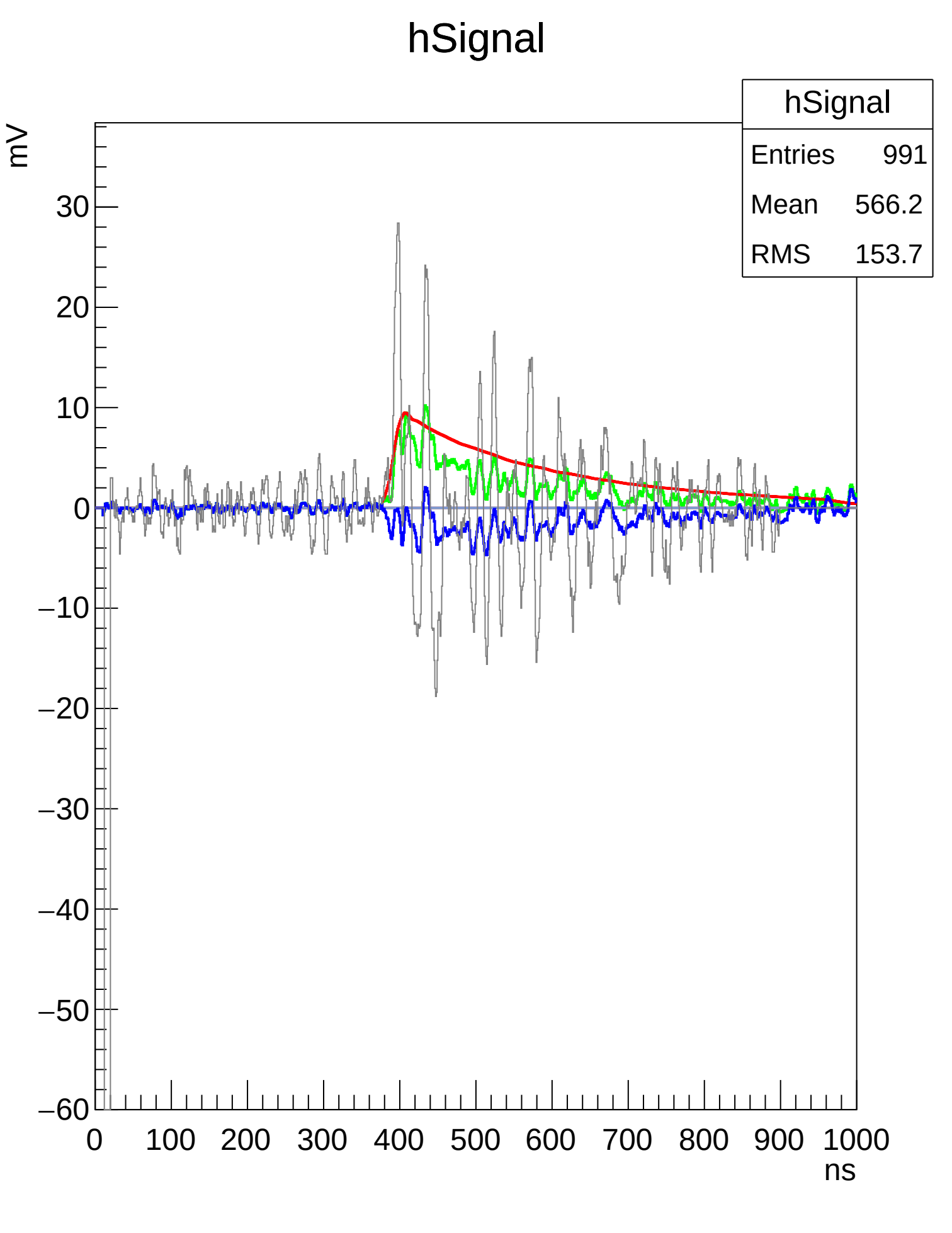
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.2
RMS 153.7
mV
30
20
10
0
−10
−20
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−40
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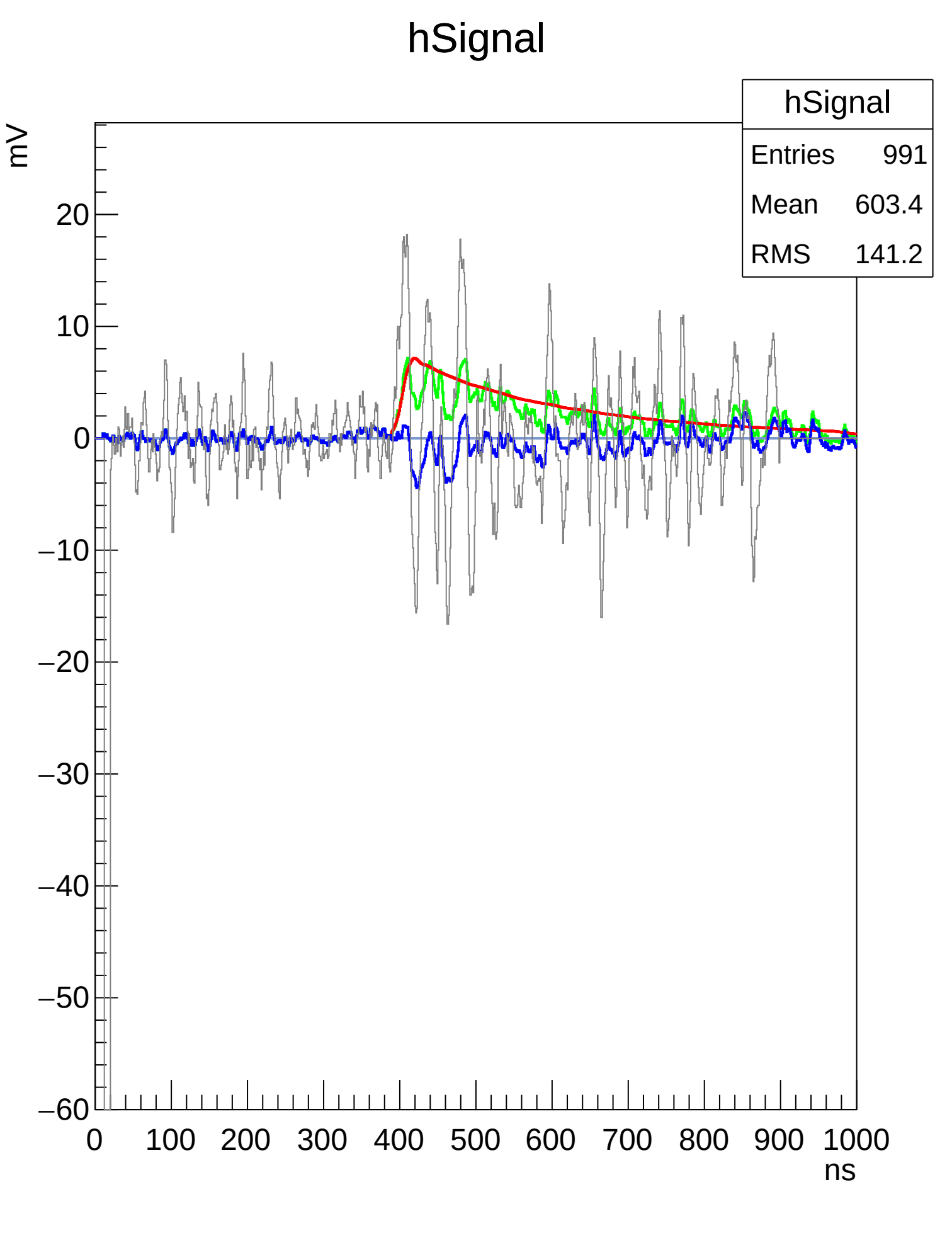
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.4
RMS 141.2
mV
20
10
0
−10
−20
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−40
−50
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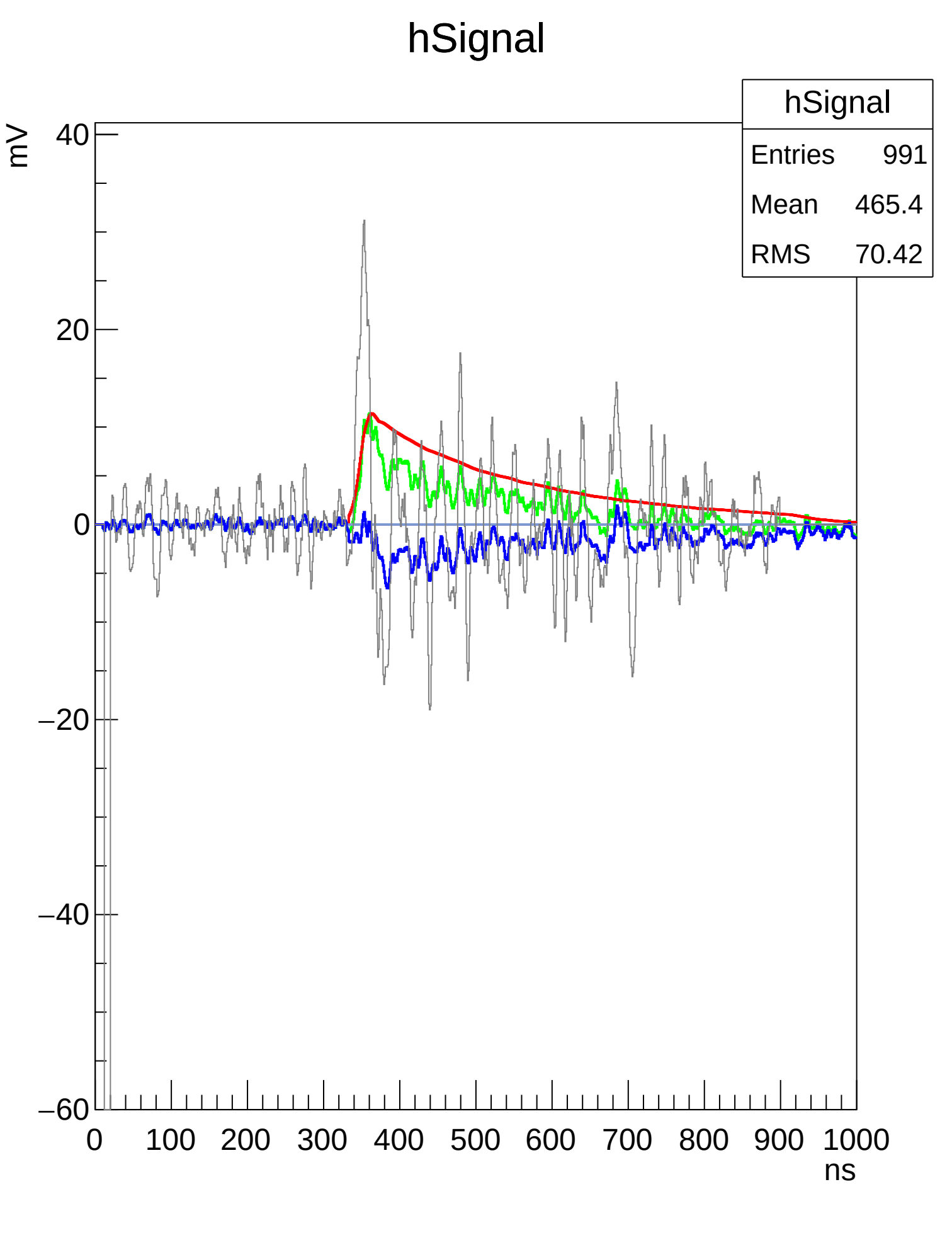
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 465.4
RMS 70.42
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−20
−40
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400
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700
800
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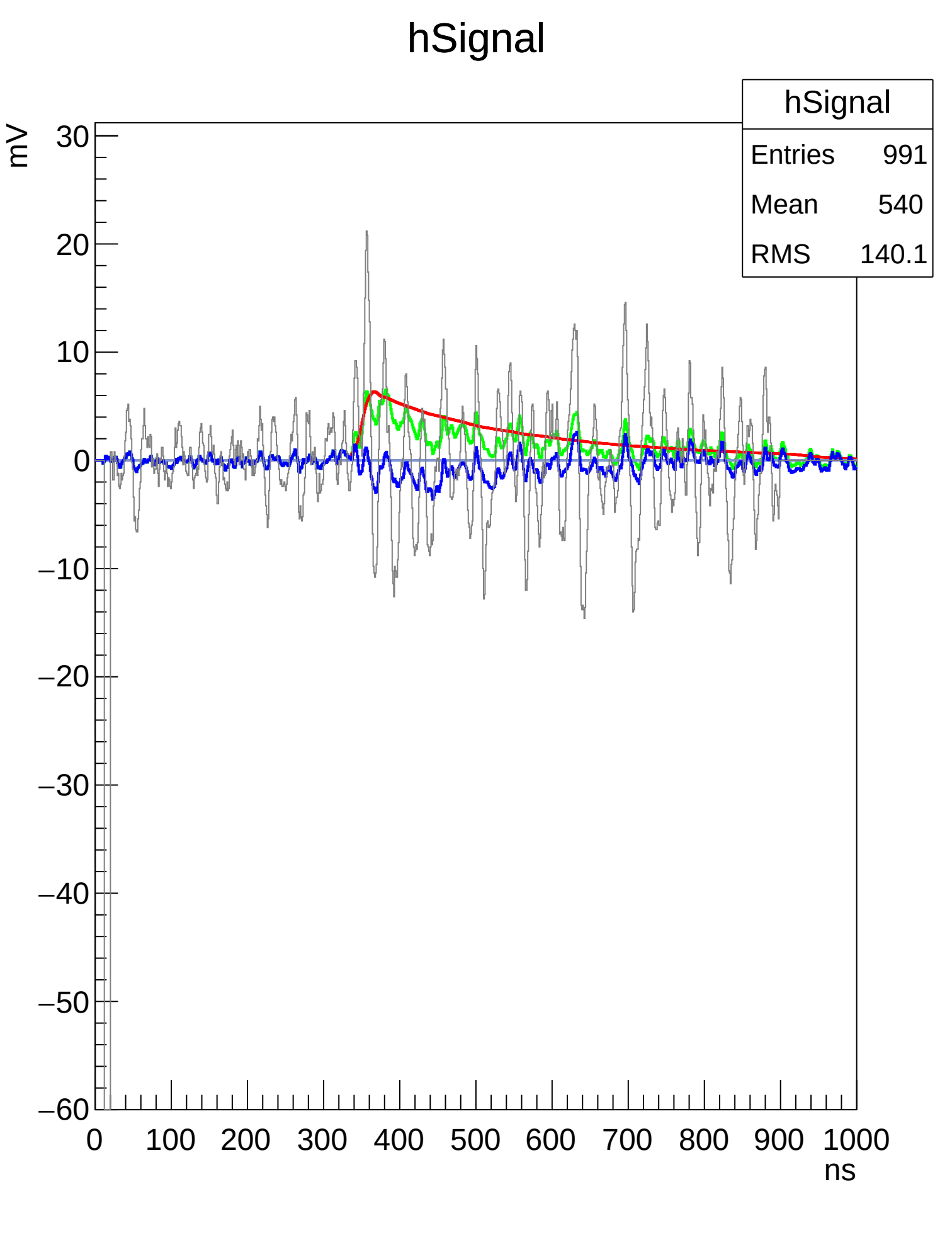
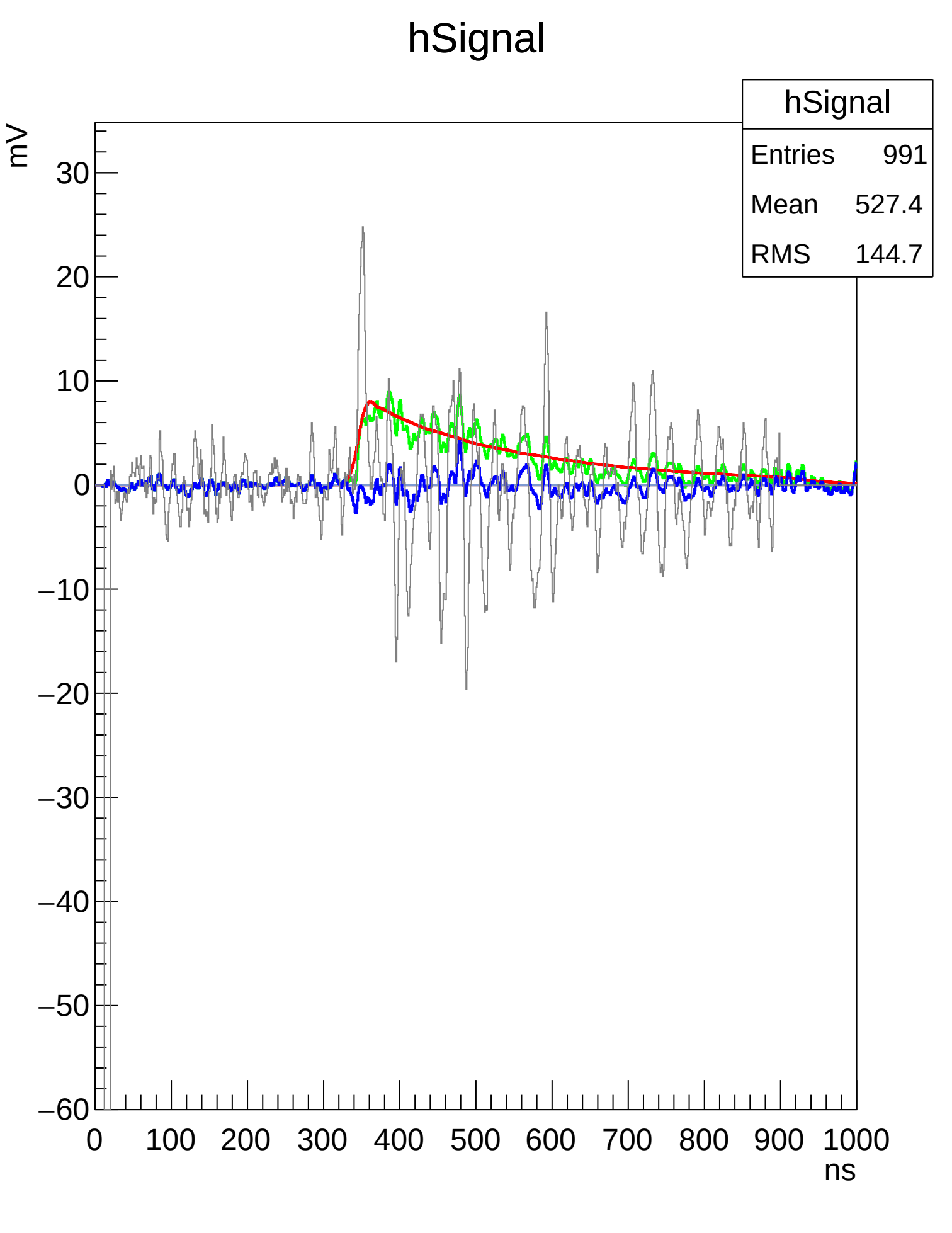
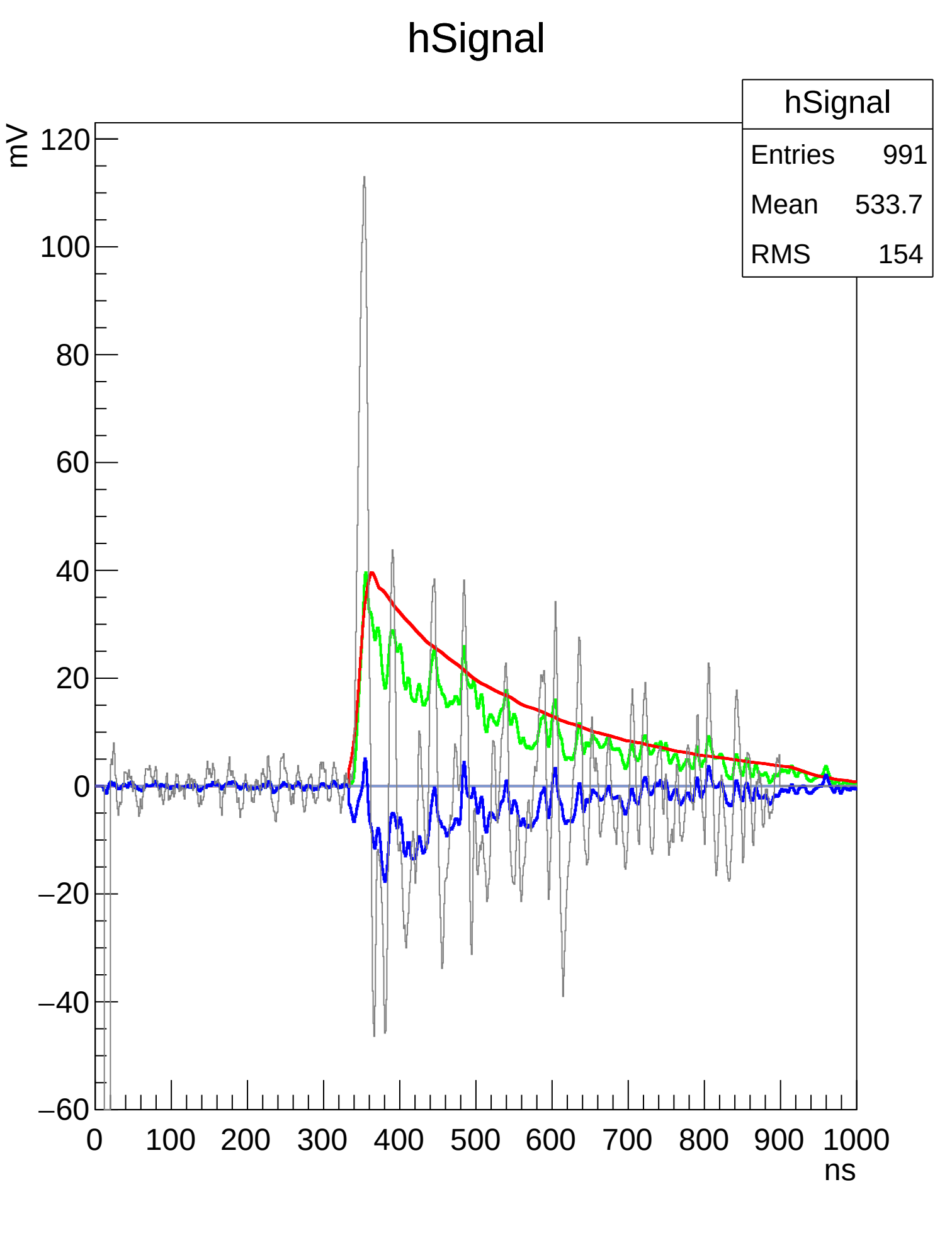
1000
ns


hSignal
hSignal
Entries 991
Mean 540
RMS 140.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.4
RMS 144.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.7
RMS 154
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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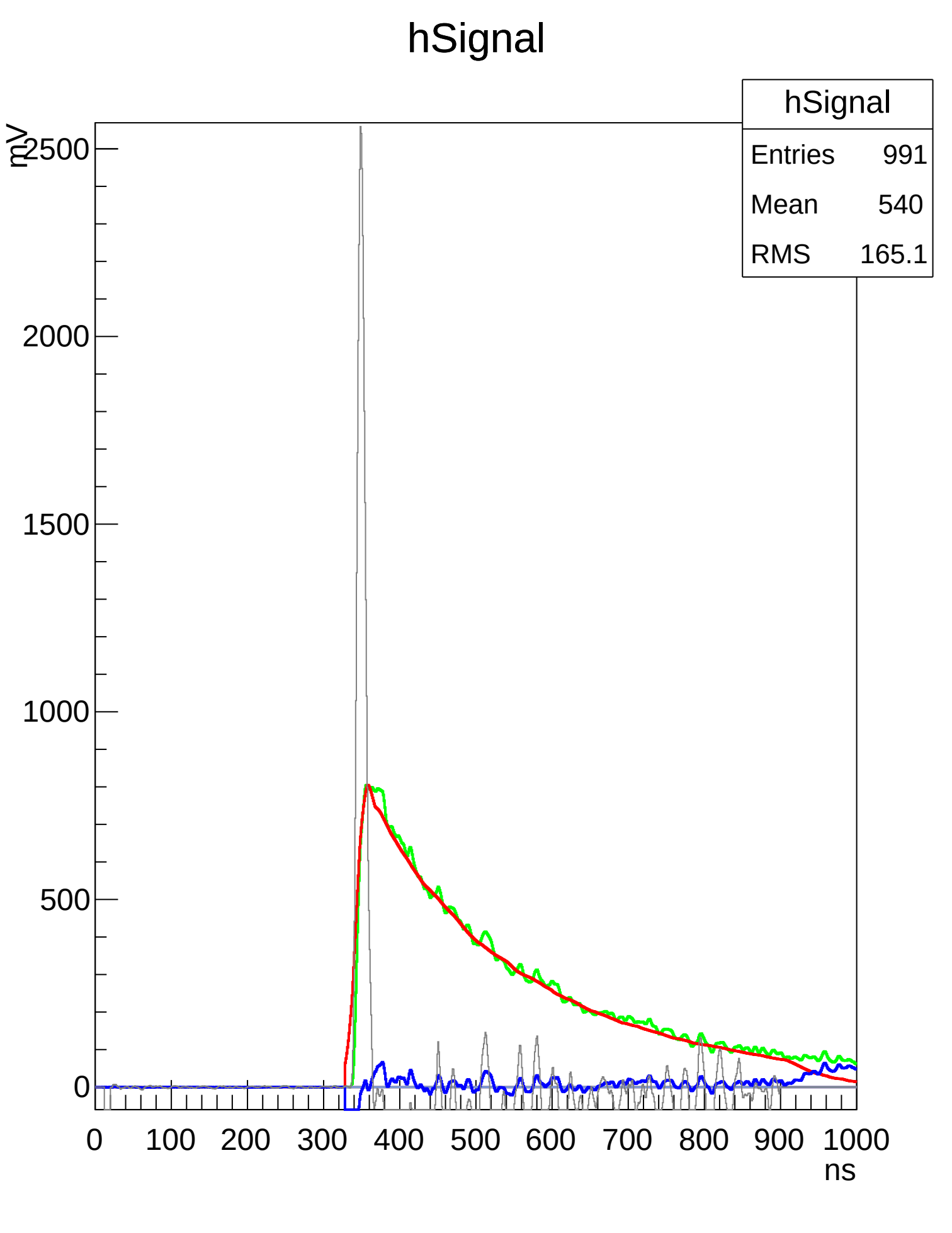
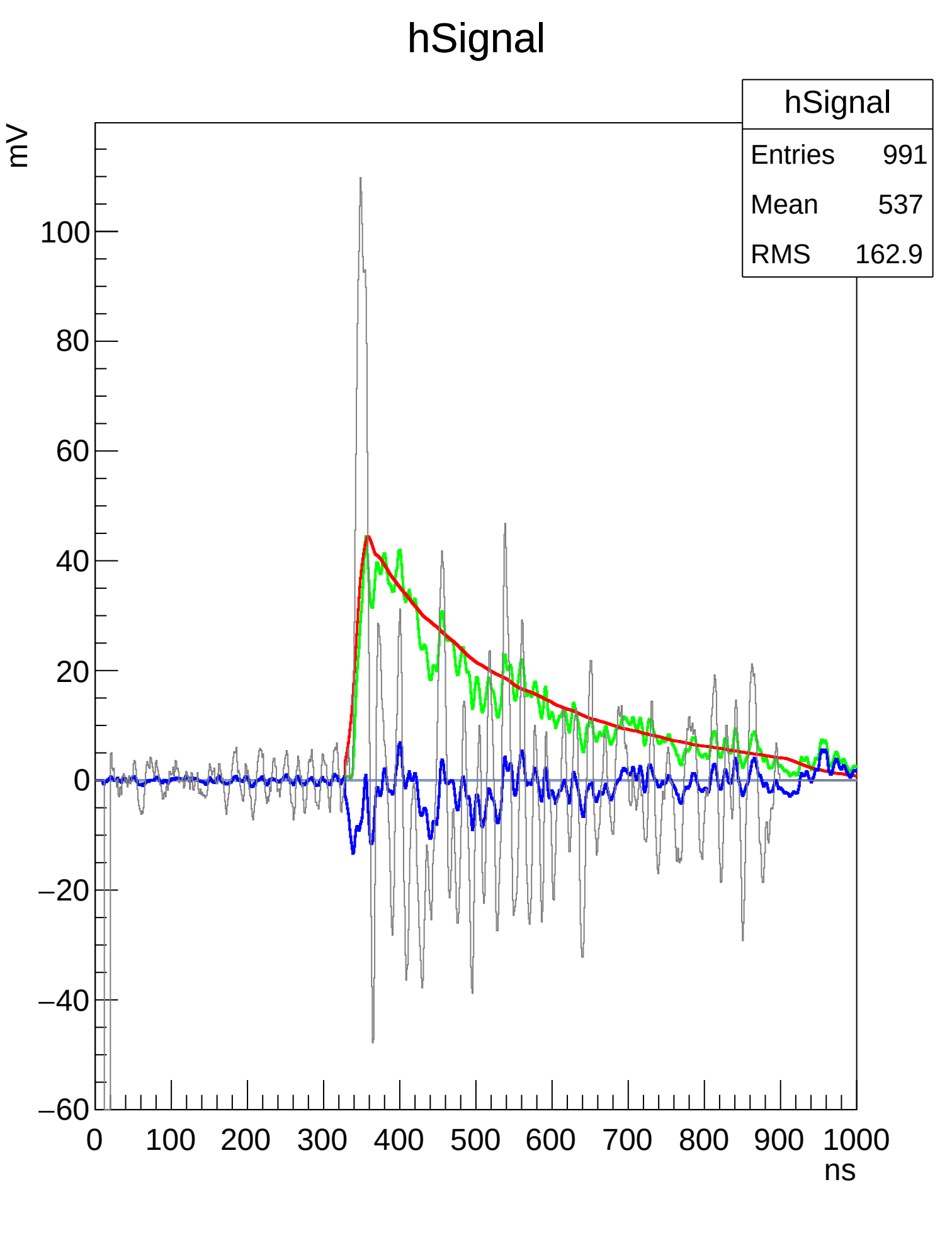
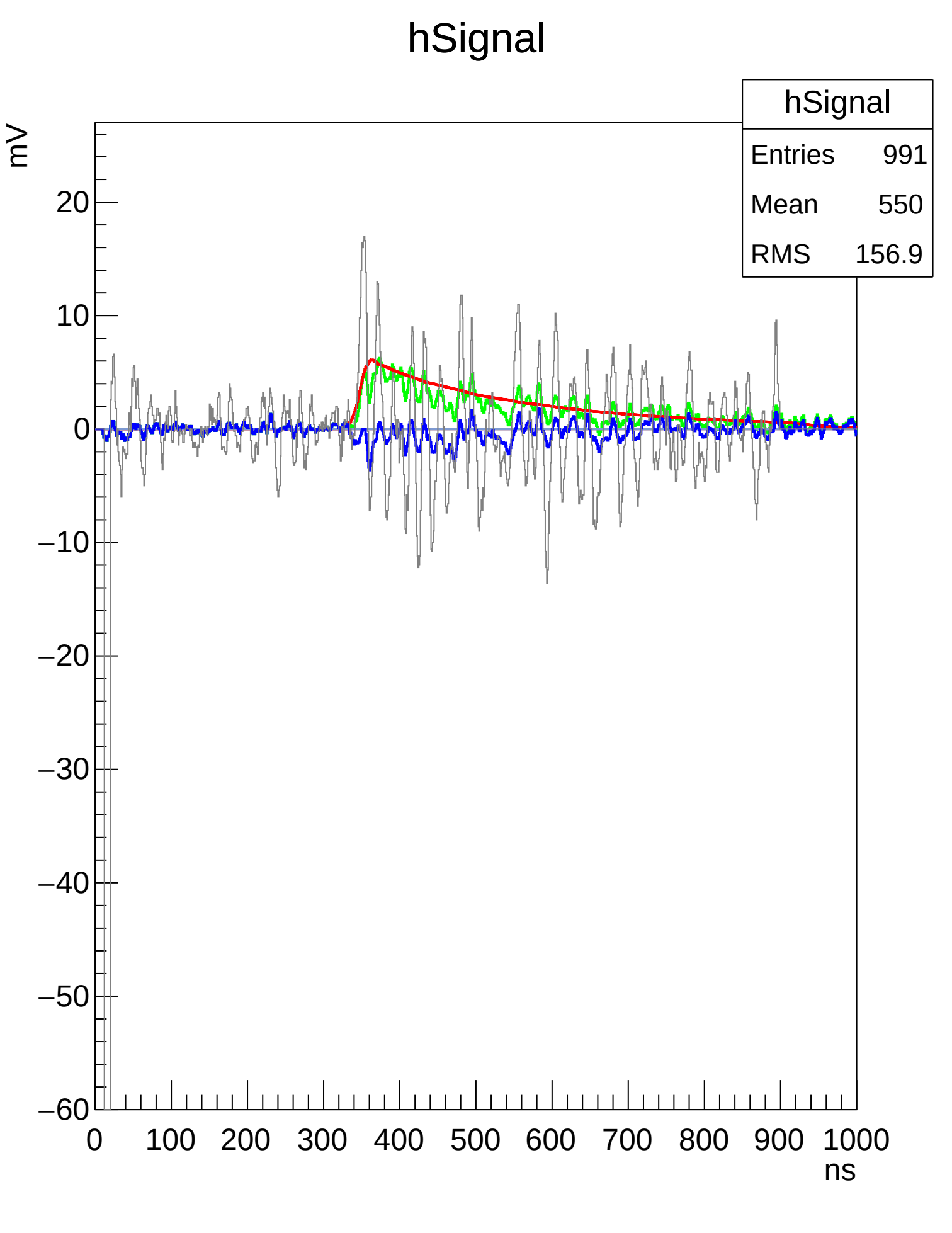
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540
RMS 165.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 537
RMS 162.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550
RMS 156.9
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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800
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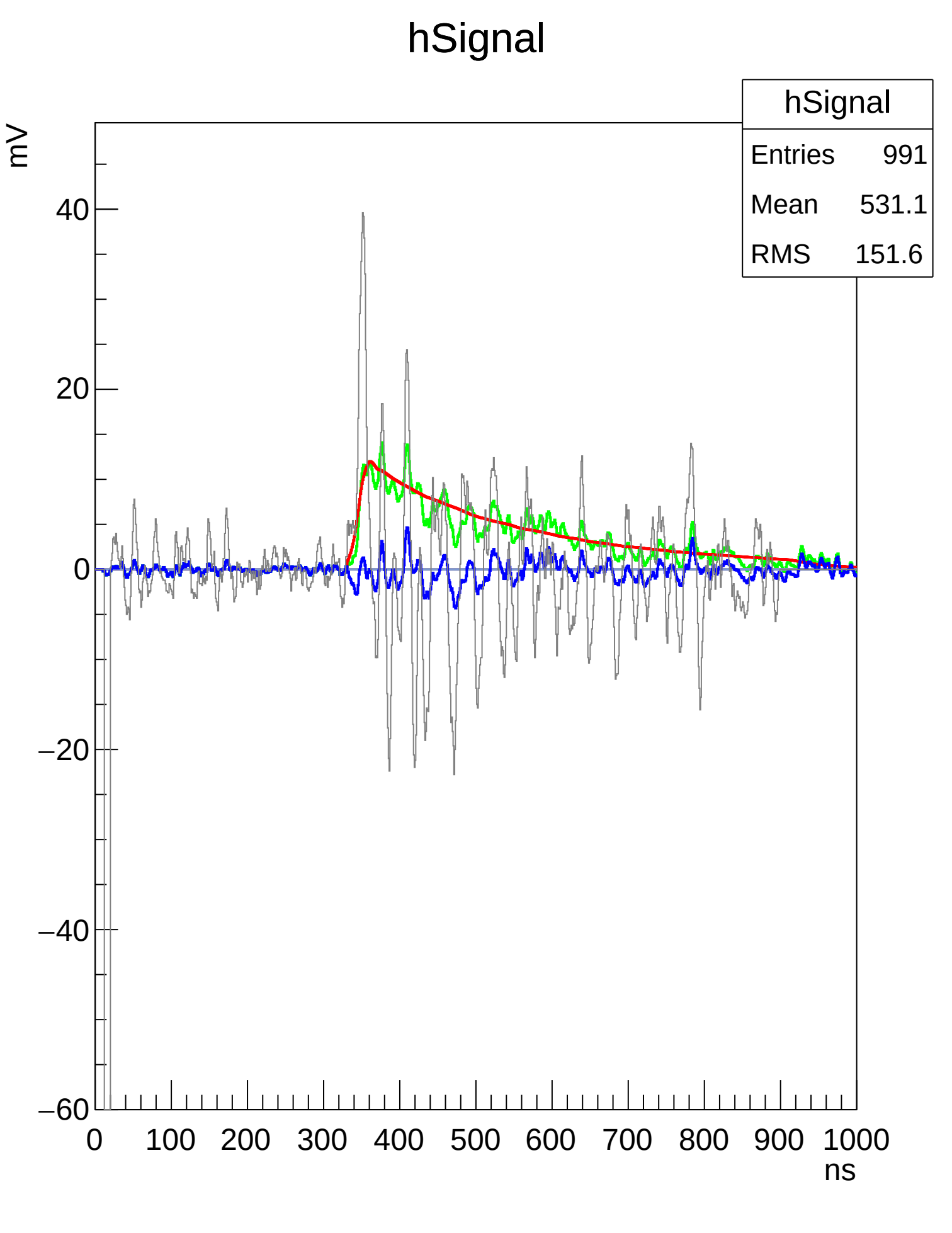
1000
ns


hSignal
hSignal
Entries 991
Mean 531.1
RMS 151.6
mV
40
20
0
−20
−40
−60
0
100
200
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700
800
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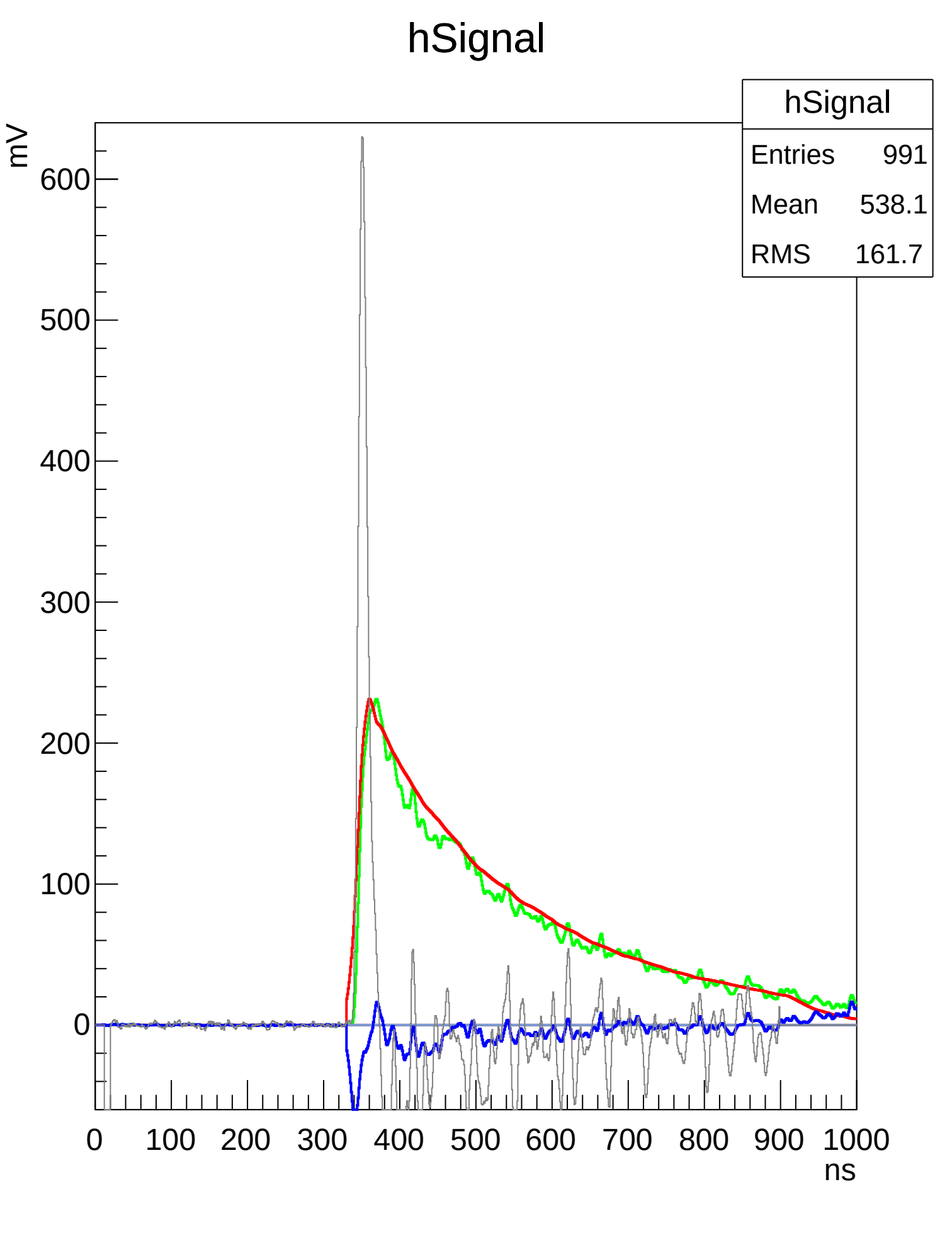
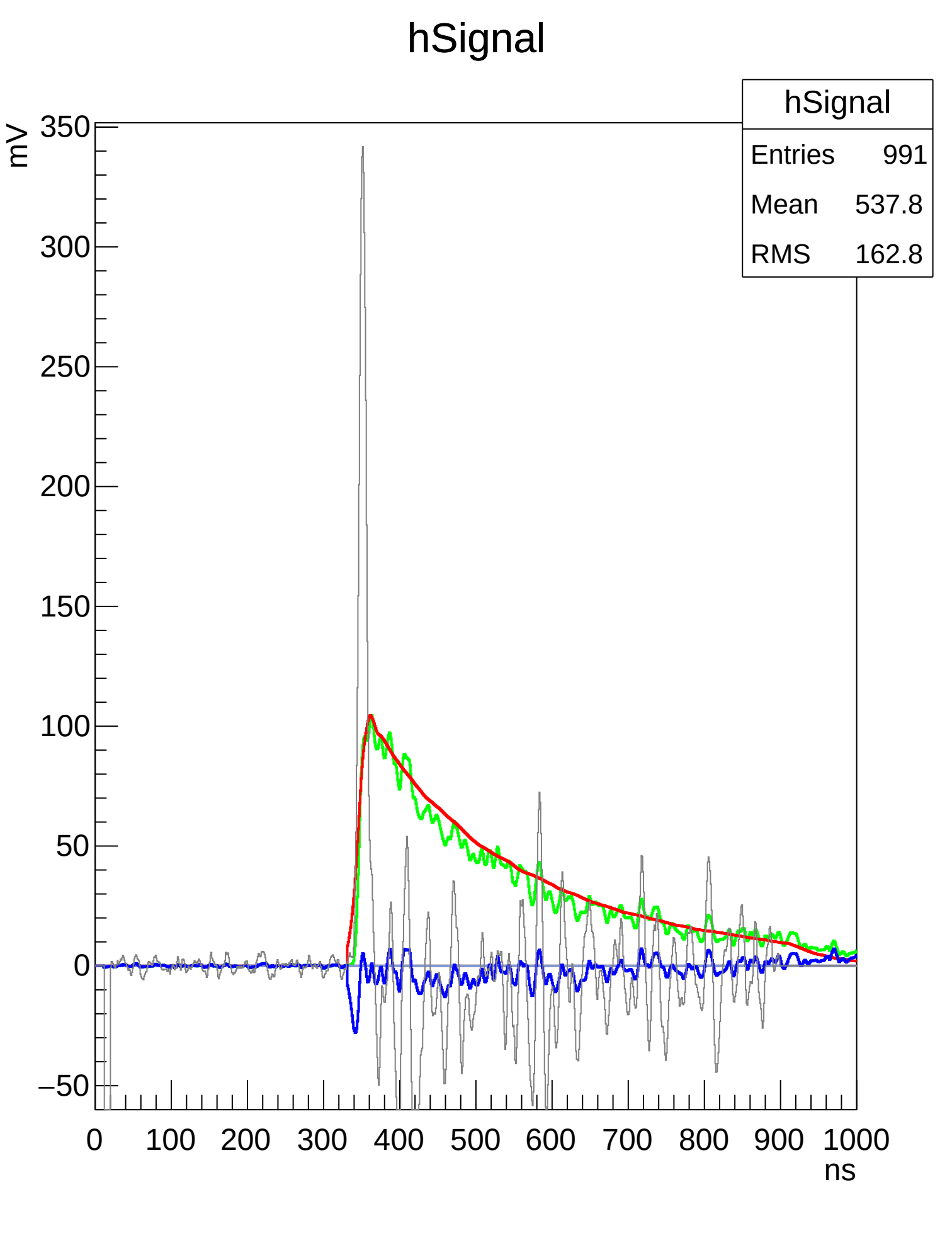
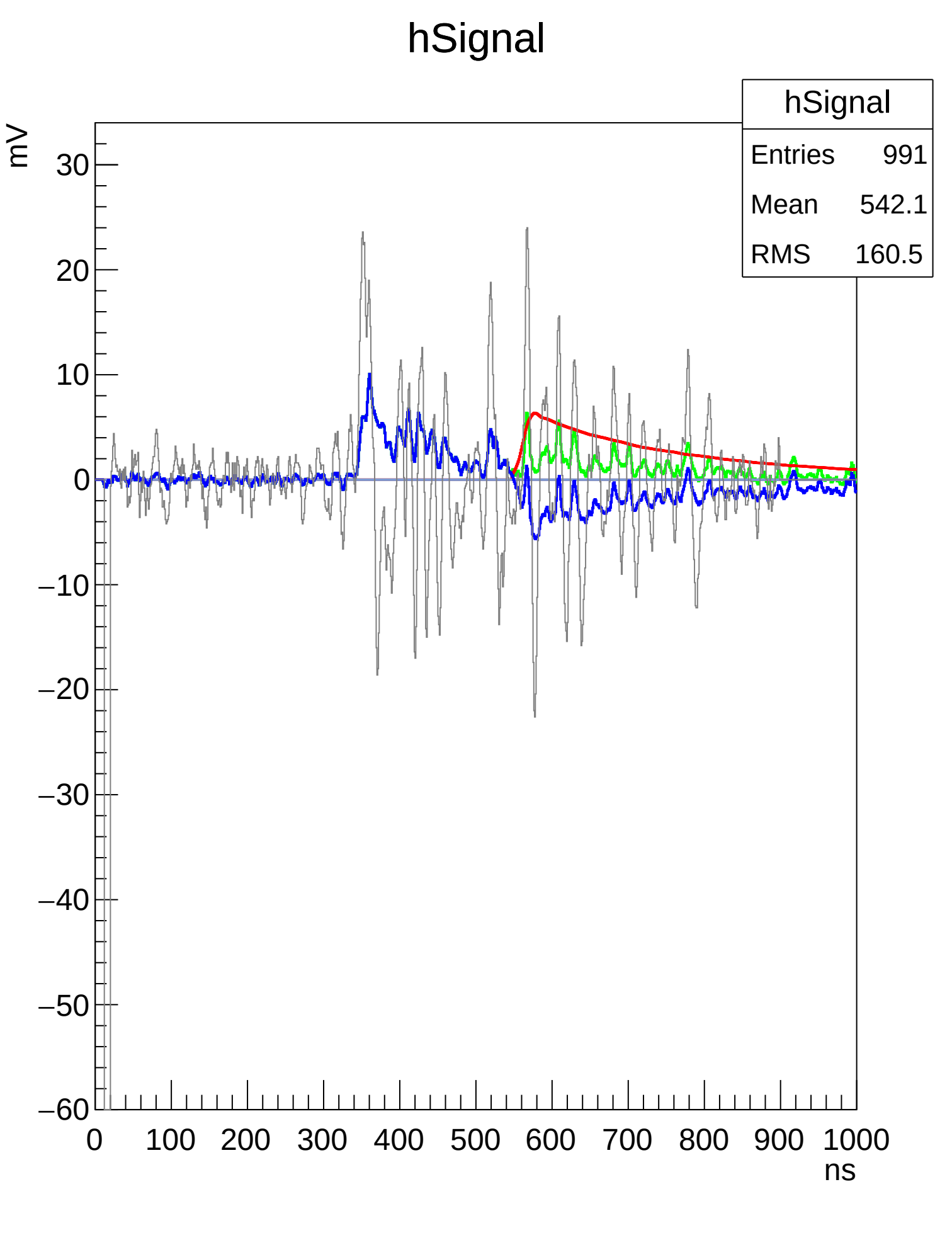
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 161.7
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.8
RMS 162.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.1
RMS 160.5
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
300
400
500
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800
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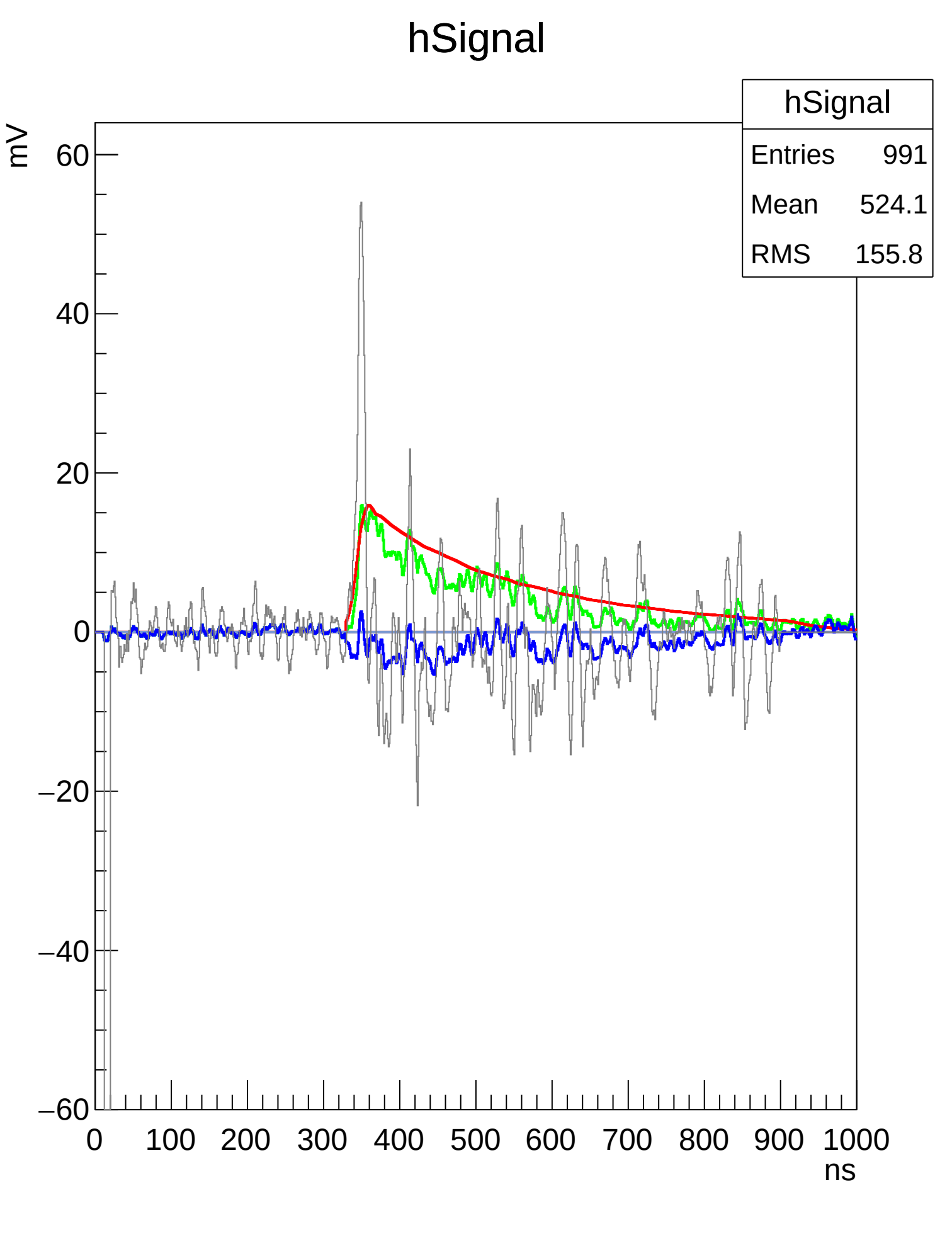
1000
ns


hSignal
hSignal
Entries 991
Mean 524.1
RMS 155.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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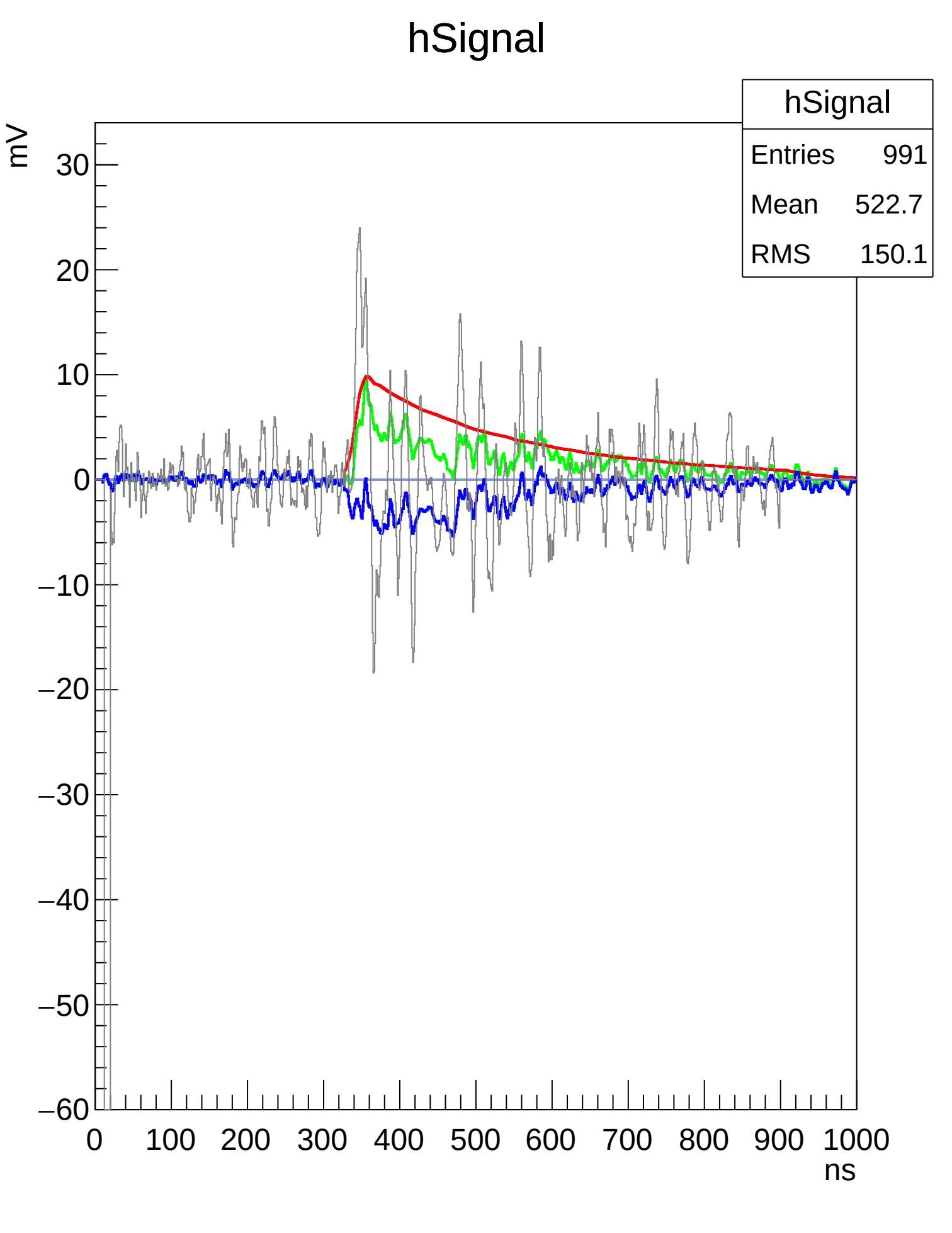
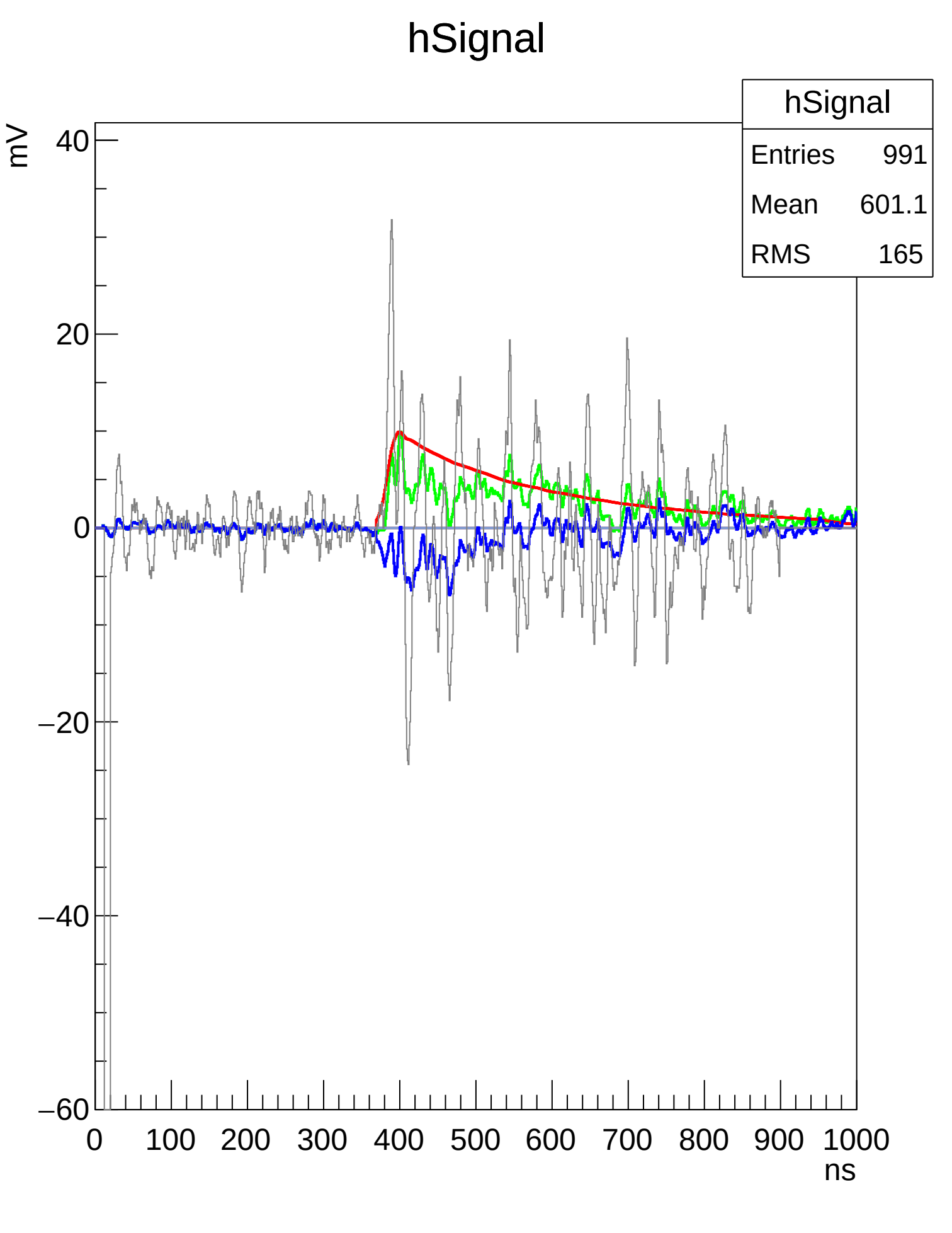
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.7
RMS 150.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.1
RMS 165
mV
40
20
0
−20
−40
−60
0
100
200
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400
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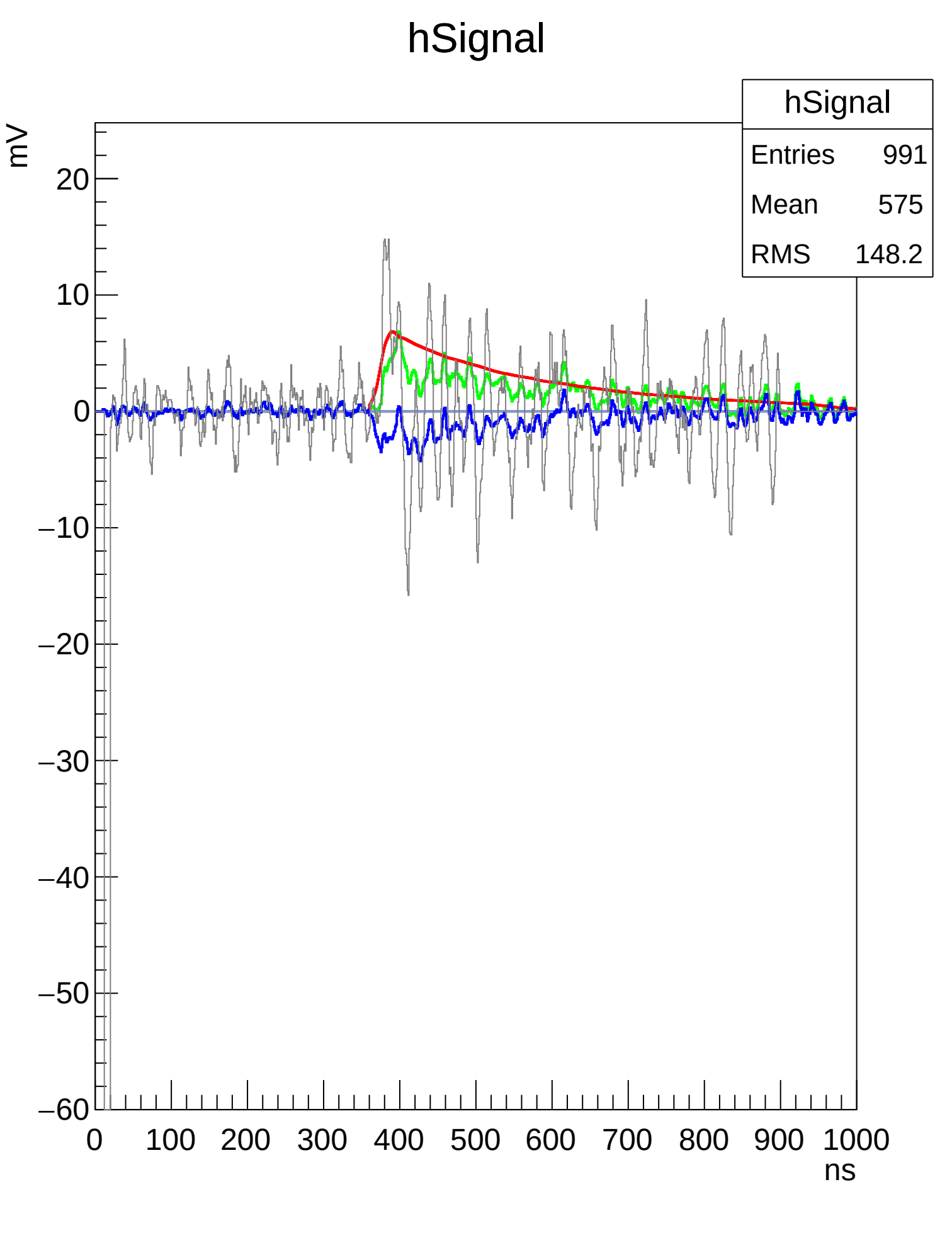
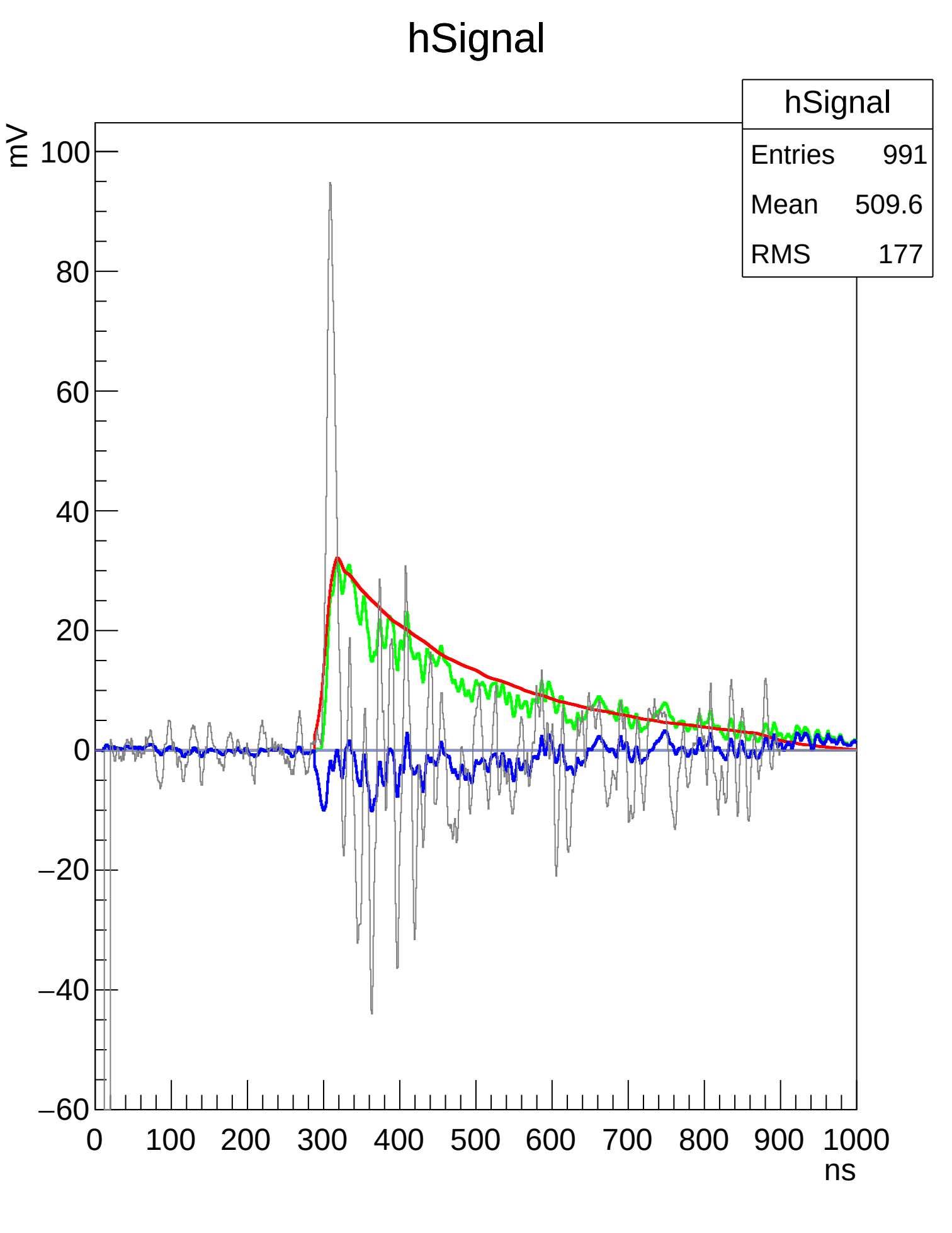
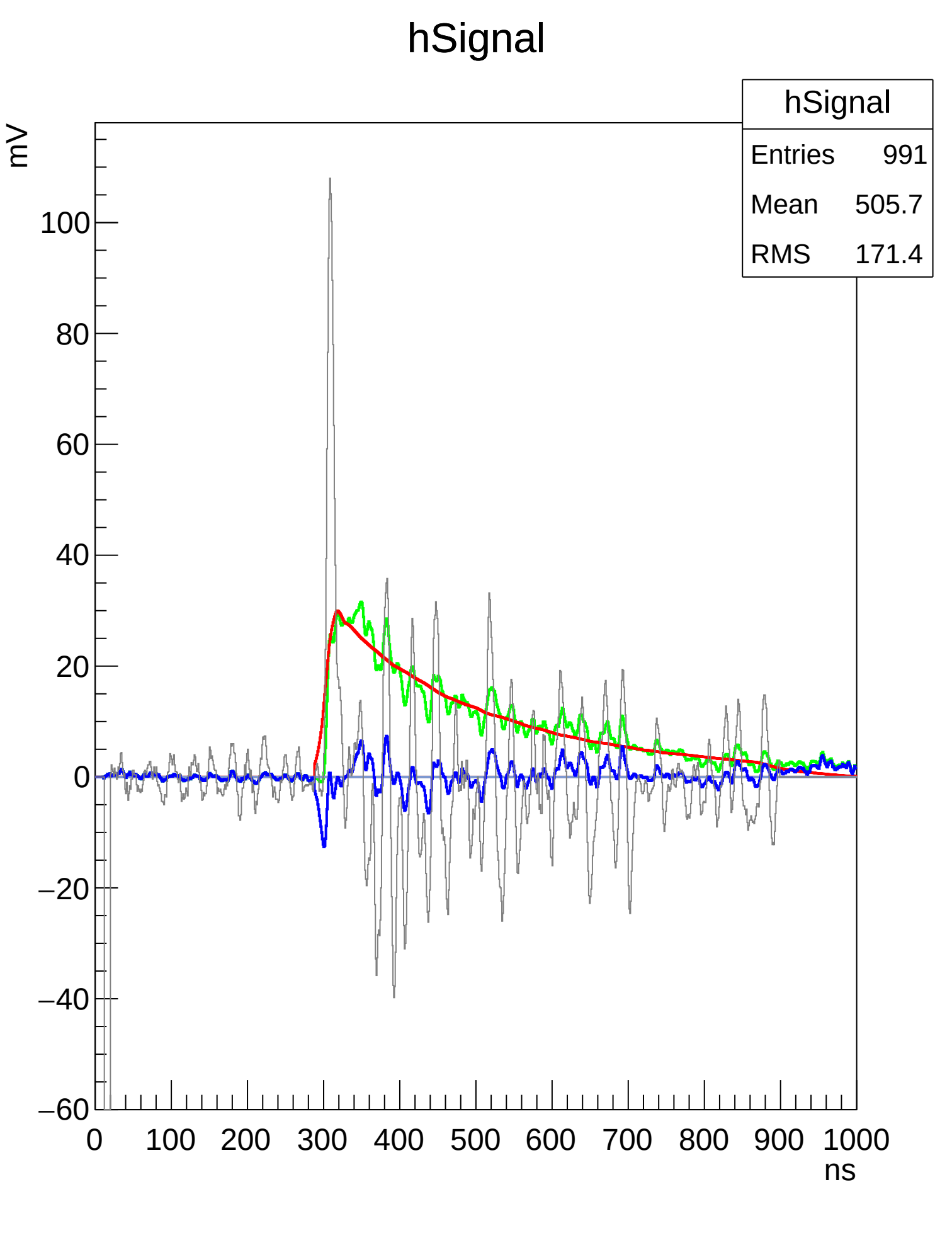
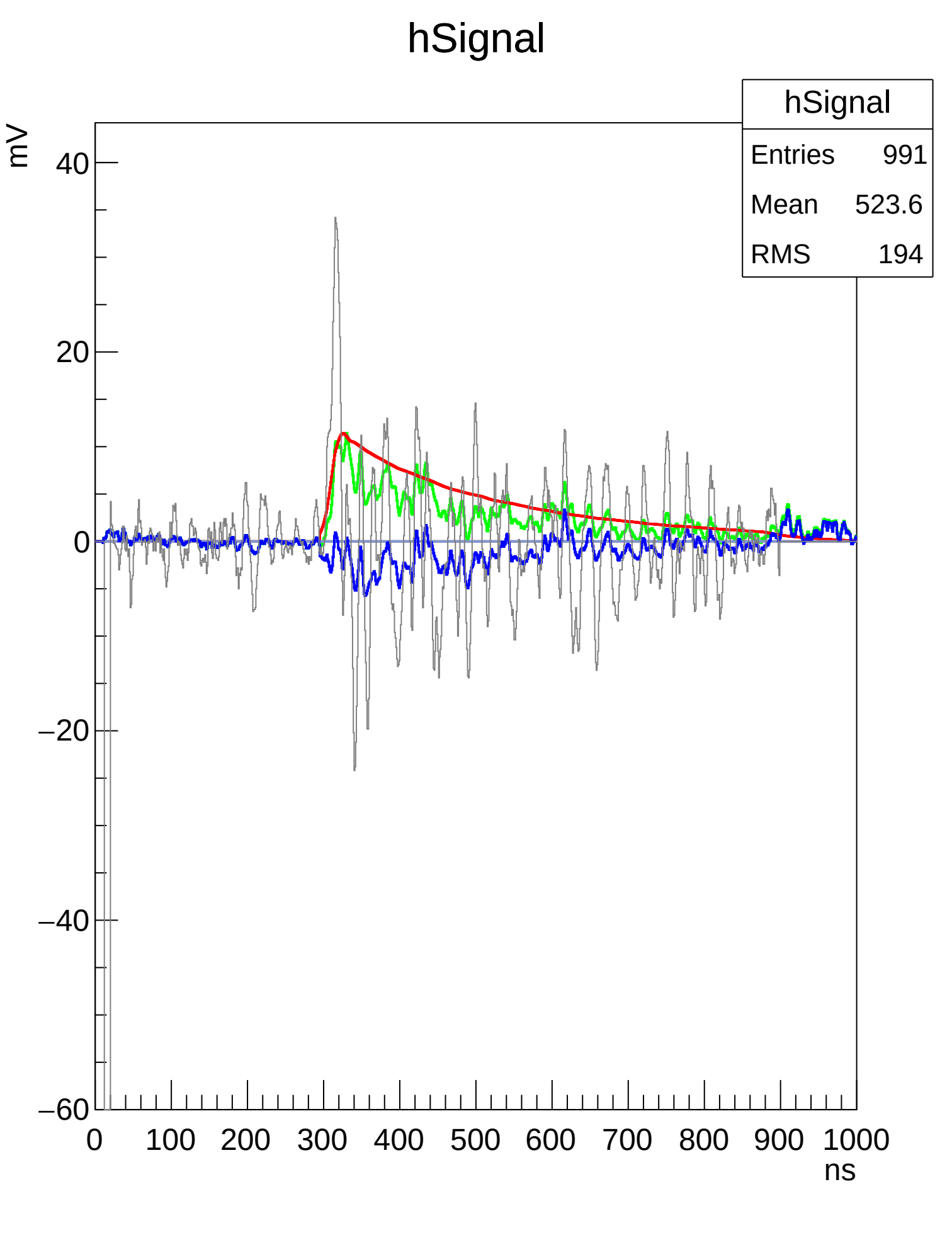
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575
RMS 148.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.6
RMS 177
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.7
RMS 171.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.6
RMS 194
mV
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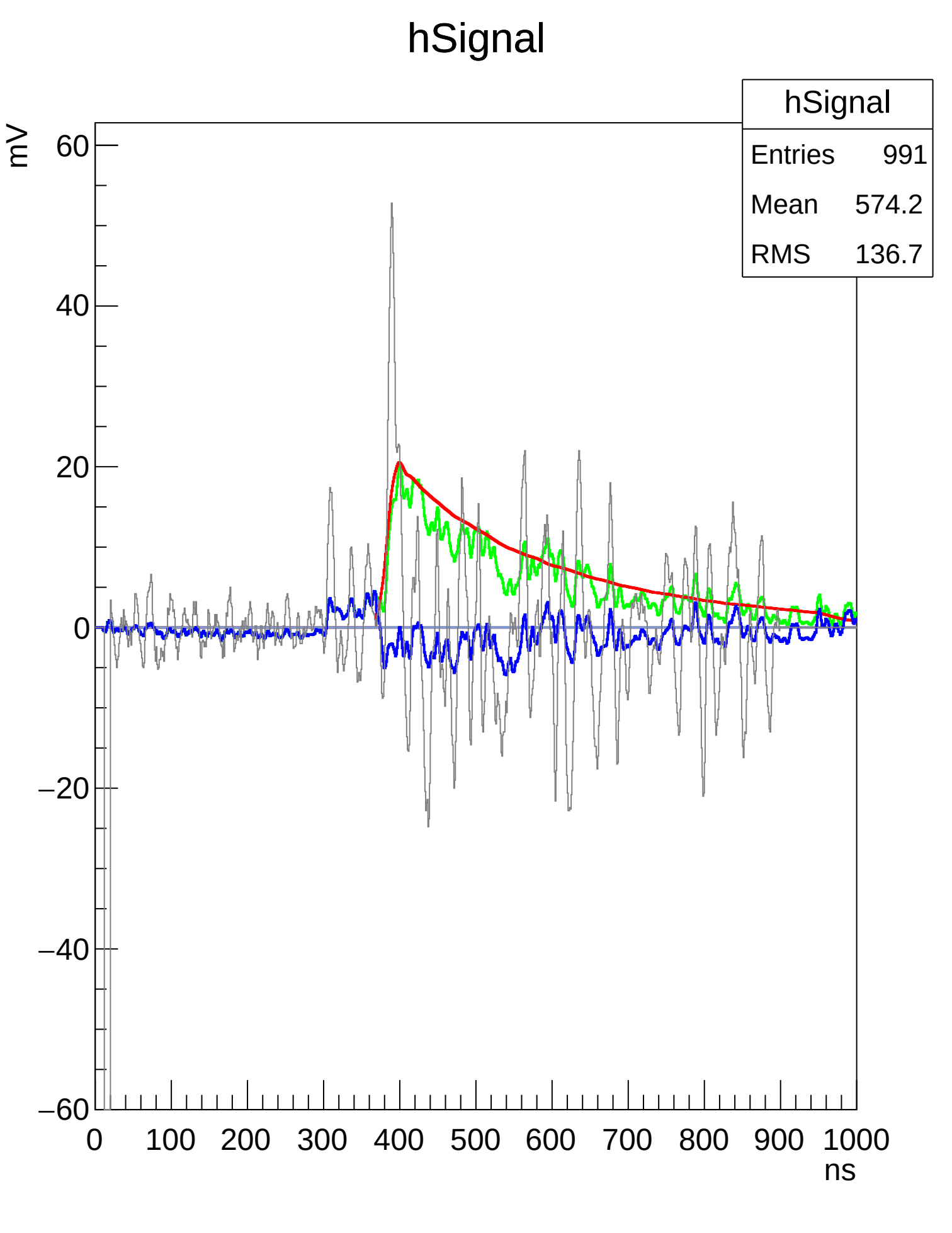
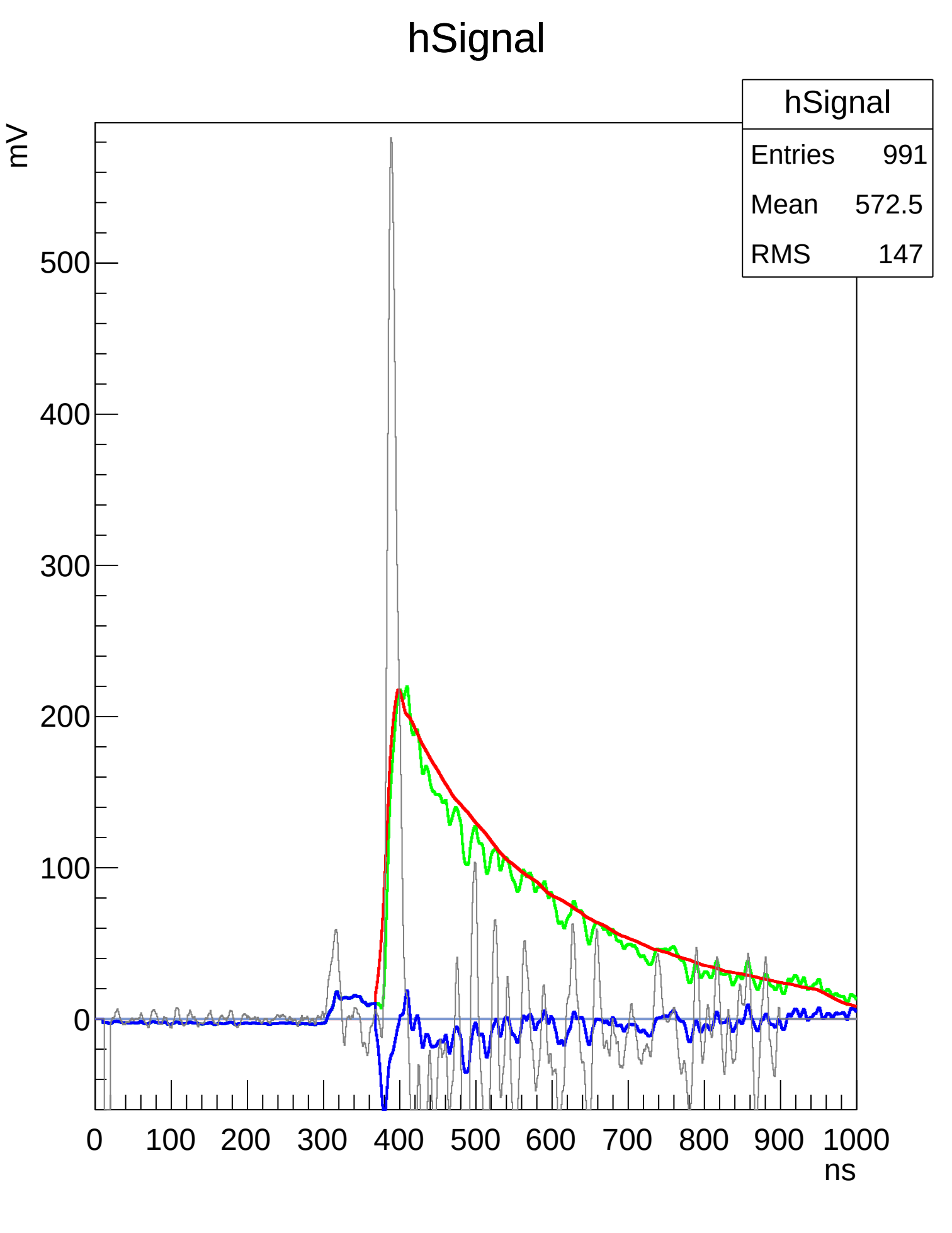
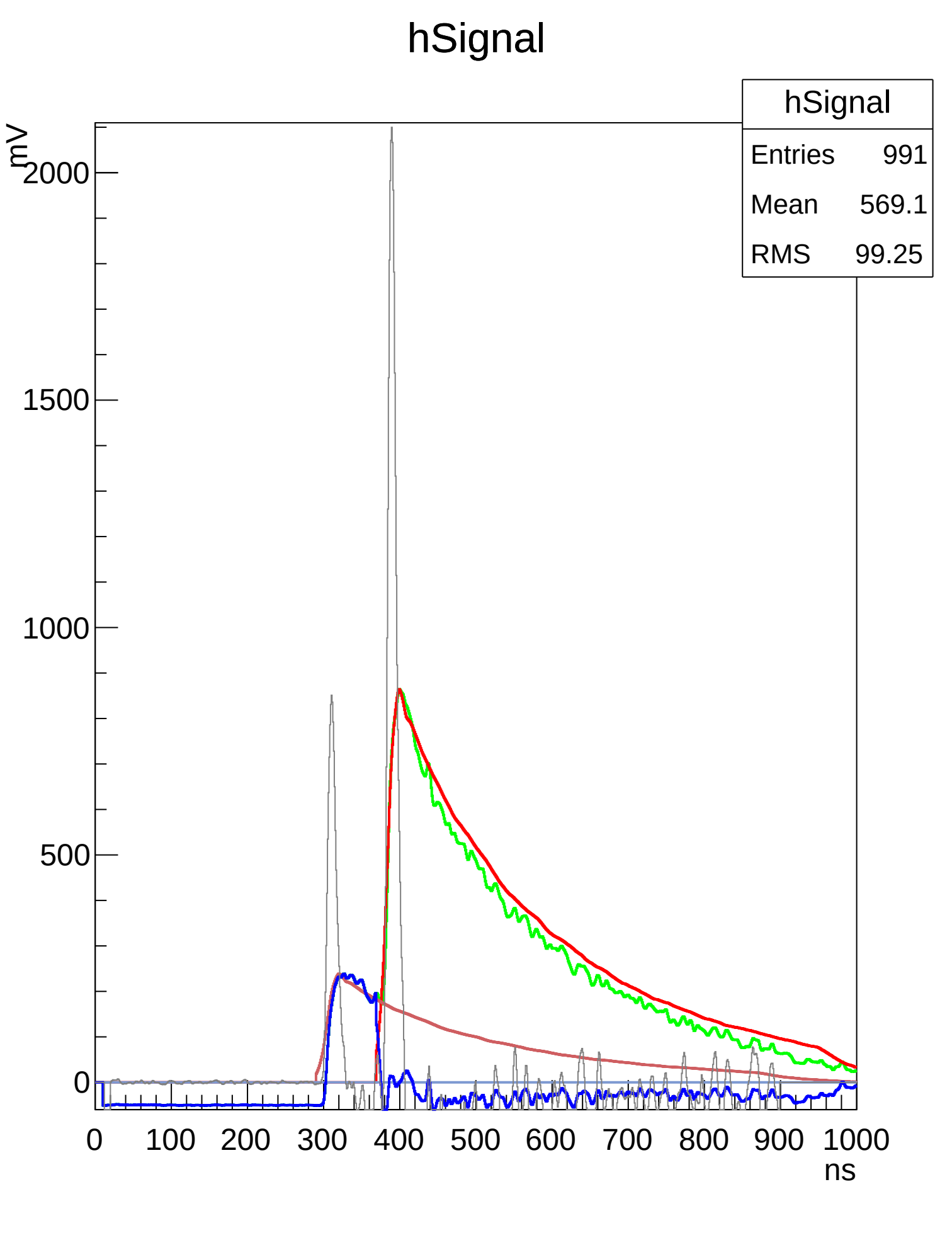
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.2
RMS 136.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.5
RMS 147
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.1
RMS 99.25
mV
2000
1500
1000
500
0
0
100
200
300
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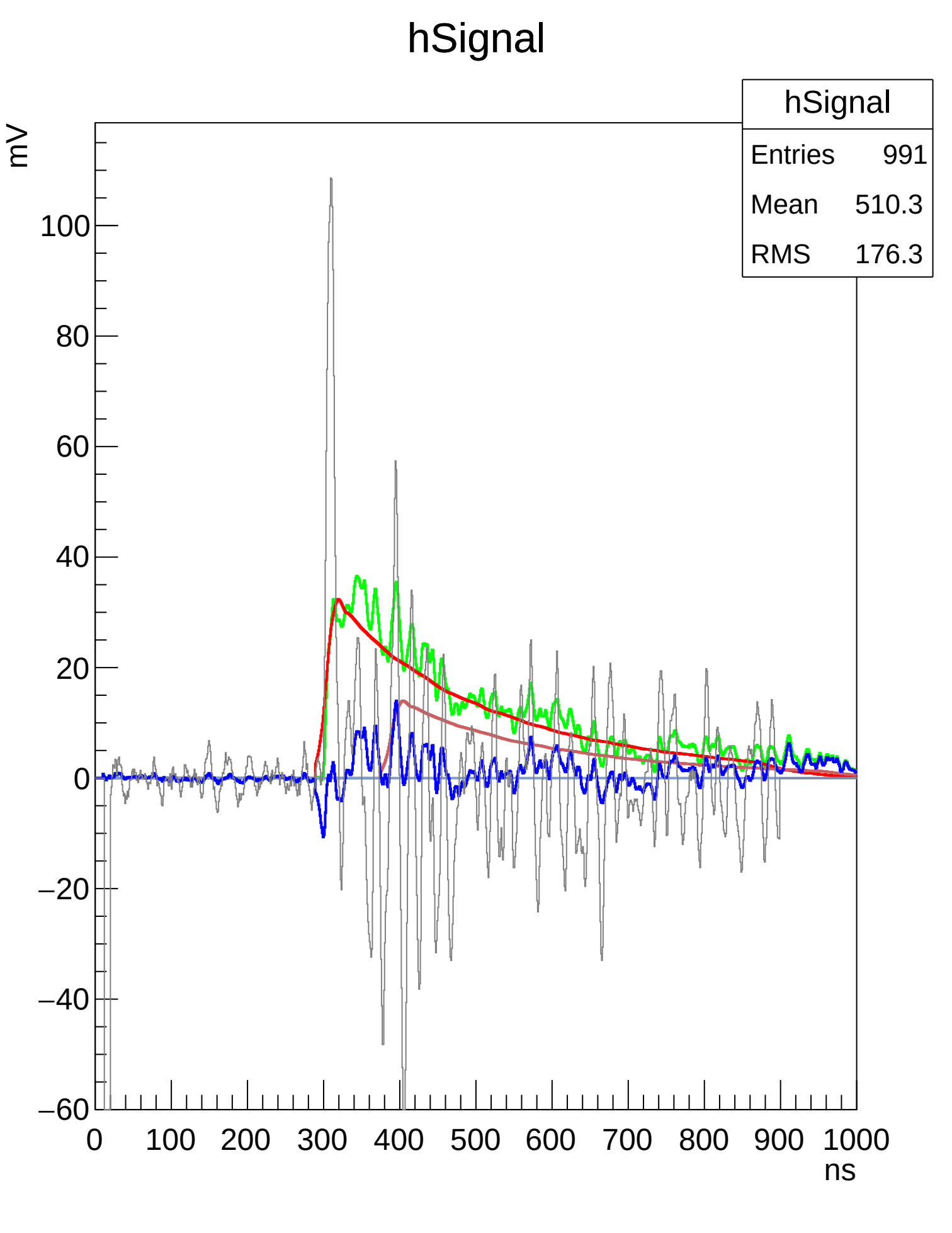
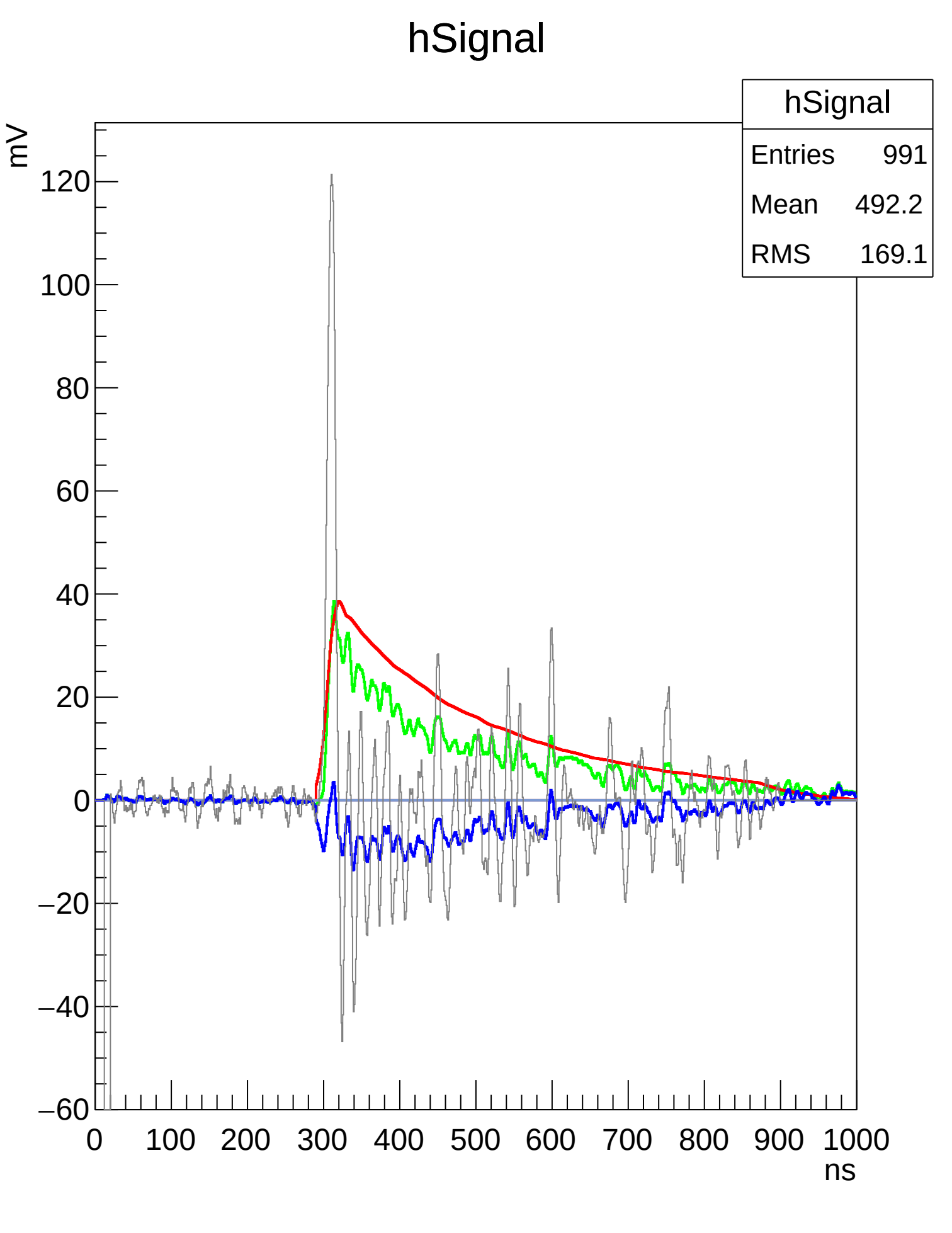
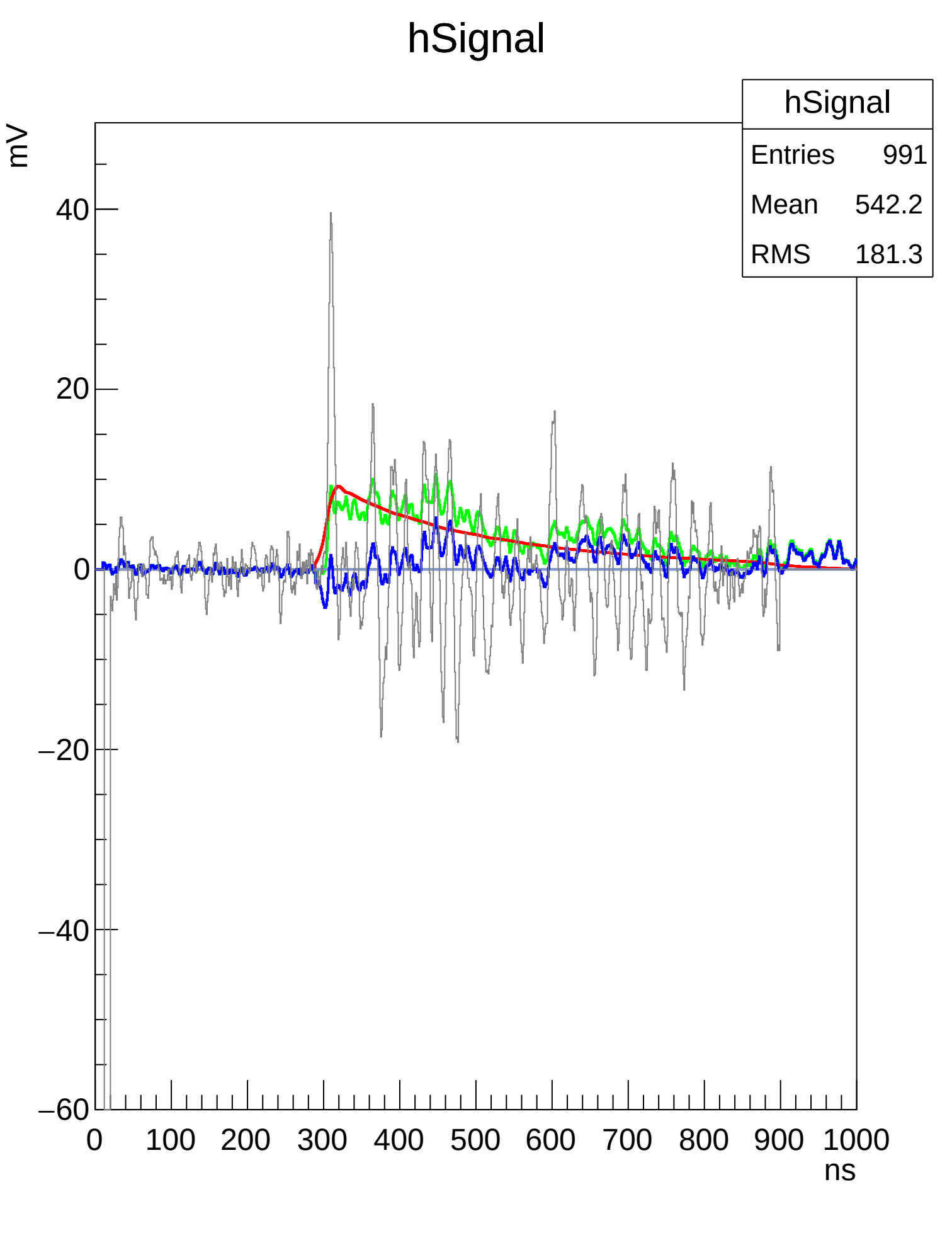
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.3
RMS 176.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.2
RMS 169.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.2
RMS 181.3
mV
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20
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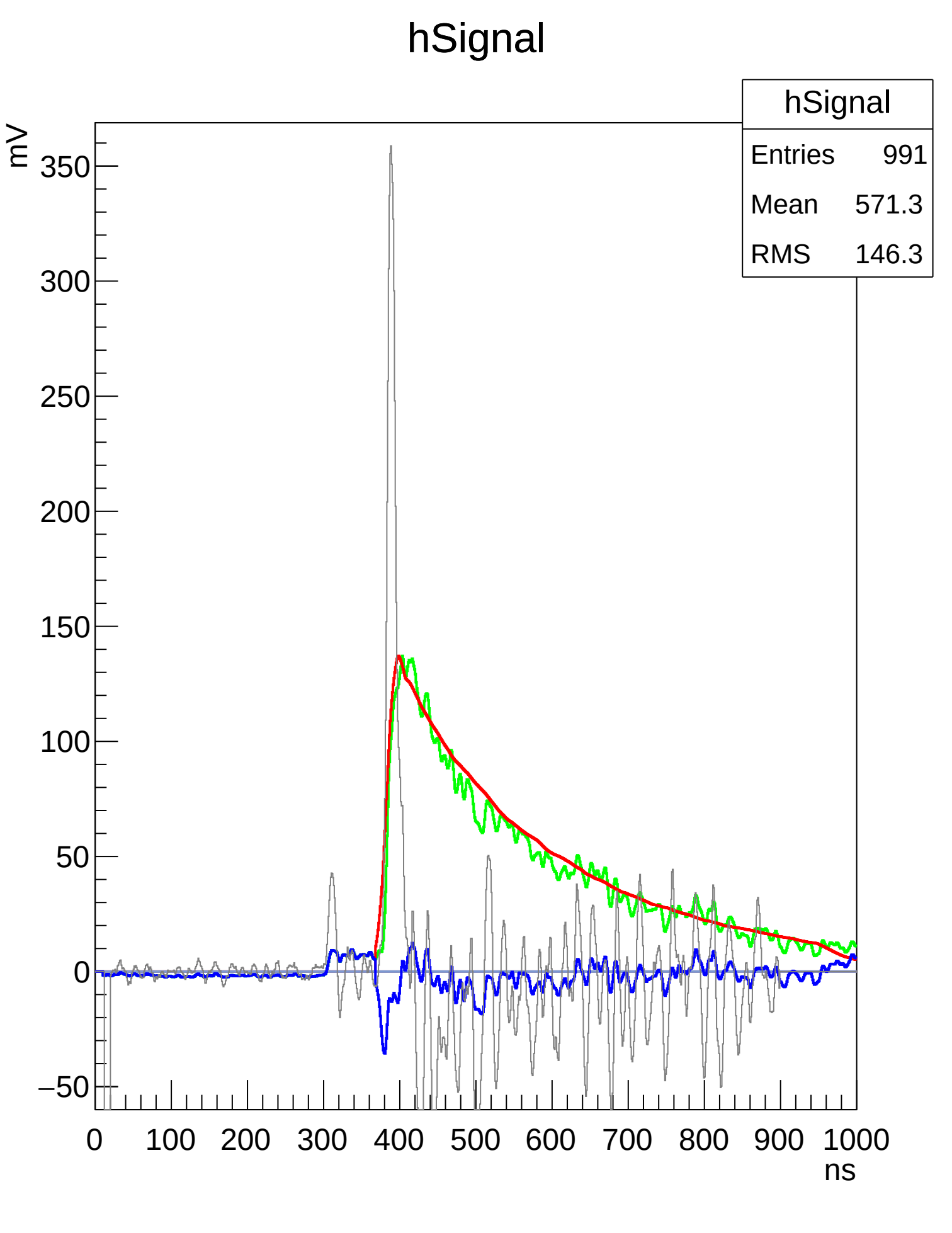
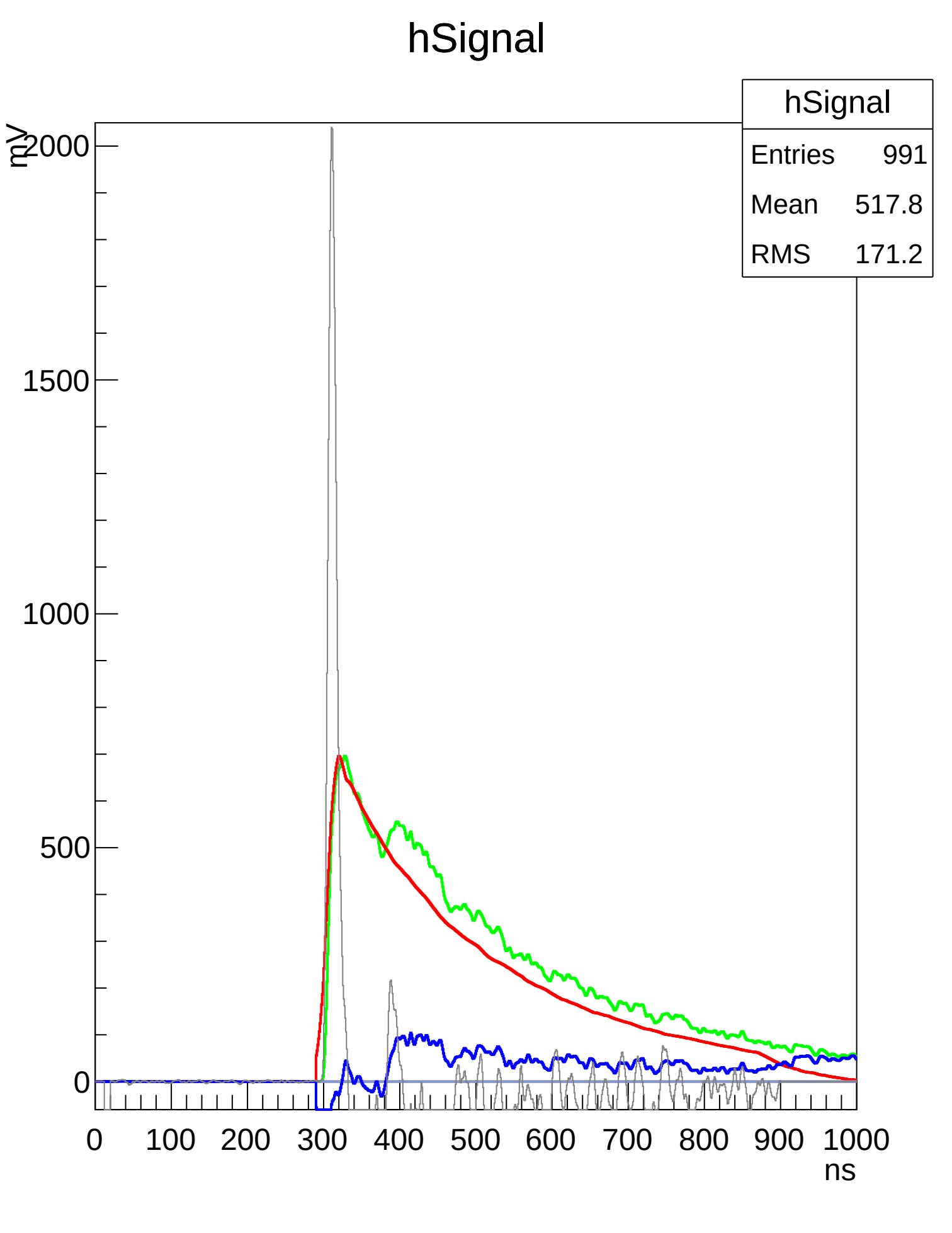
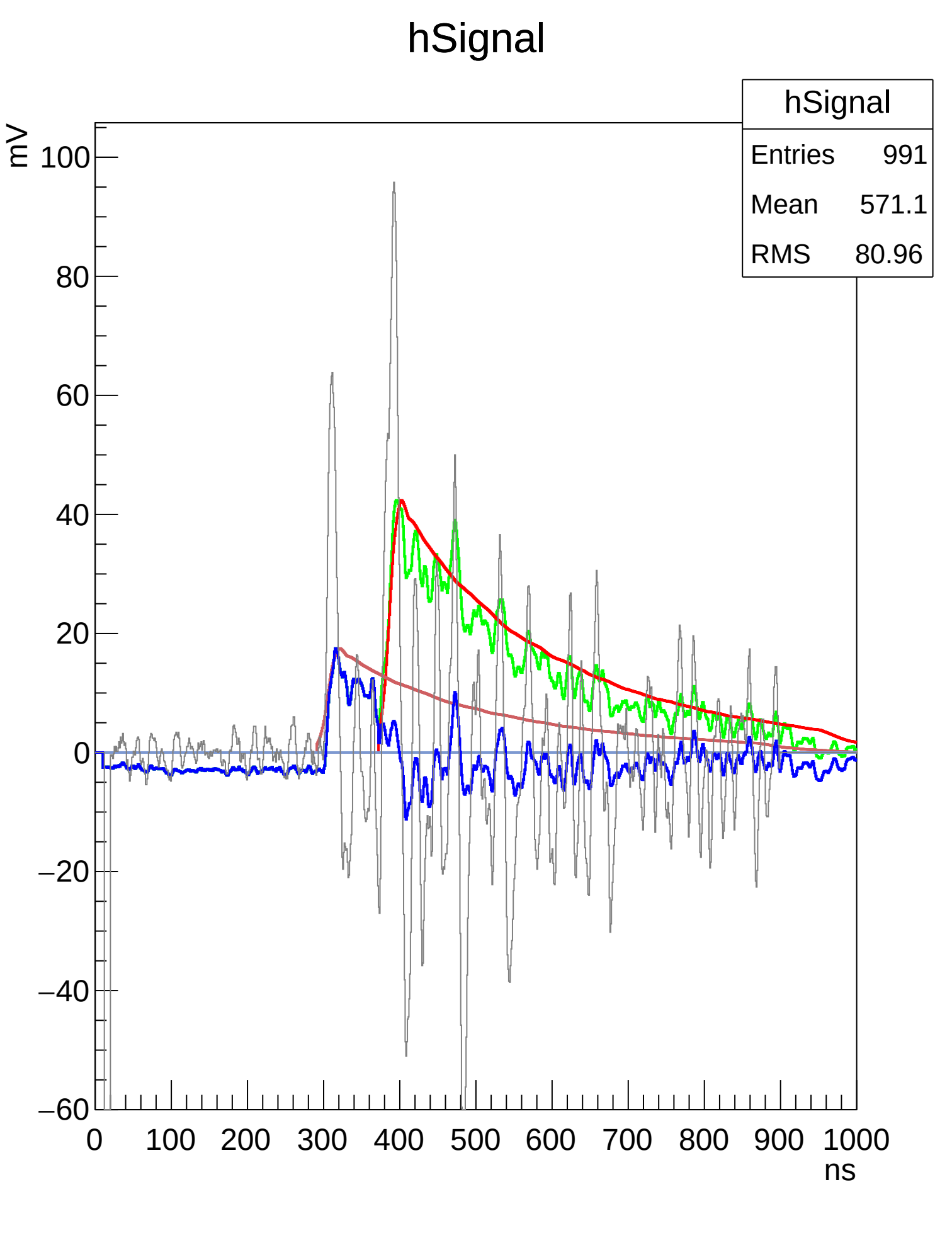
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.3
RMS 146.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.8
RMS 171.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.1
RMS 80.96
mV
100
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0
−20
−40
−60
0
100
200
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400
500
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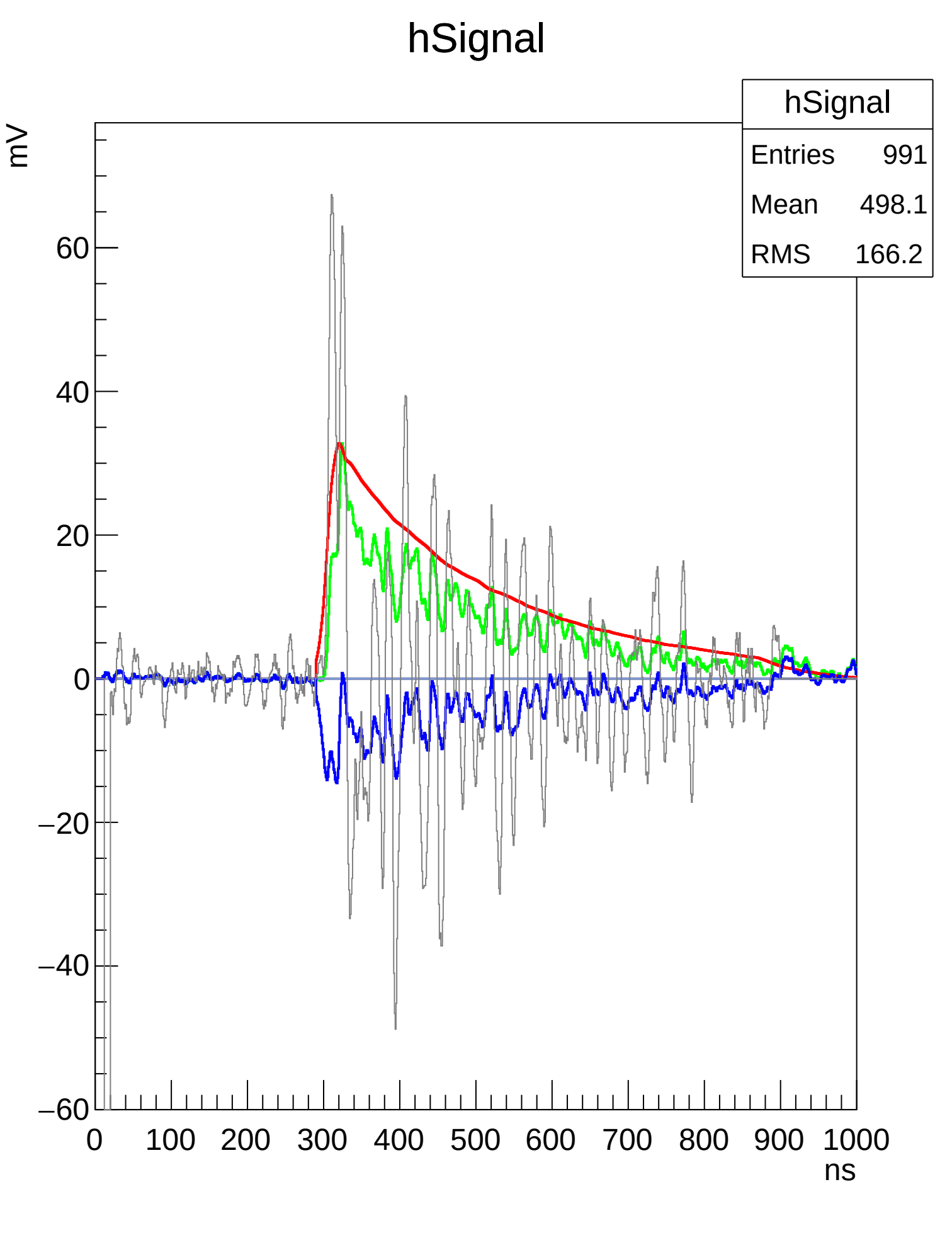
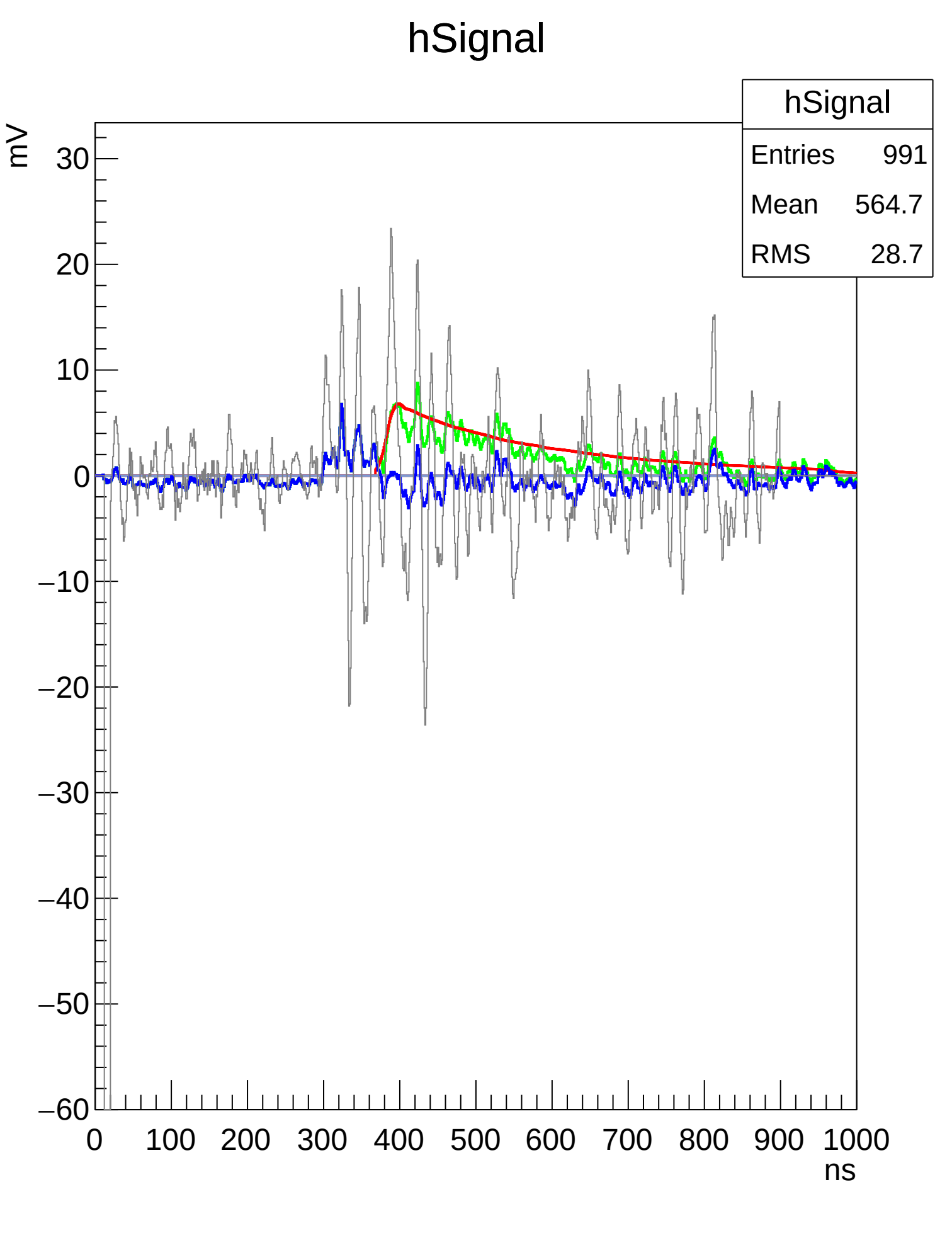
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.1
RMS 166.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.7
RMS 28.7
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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600
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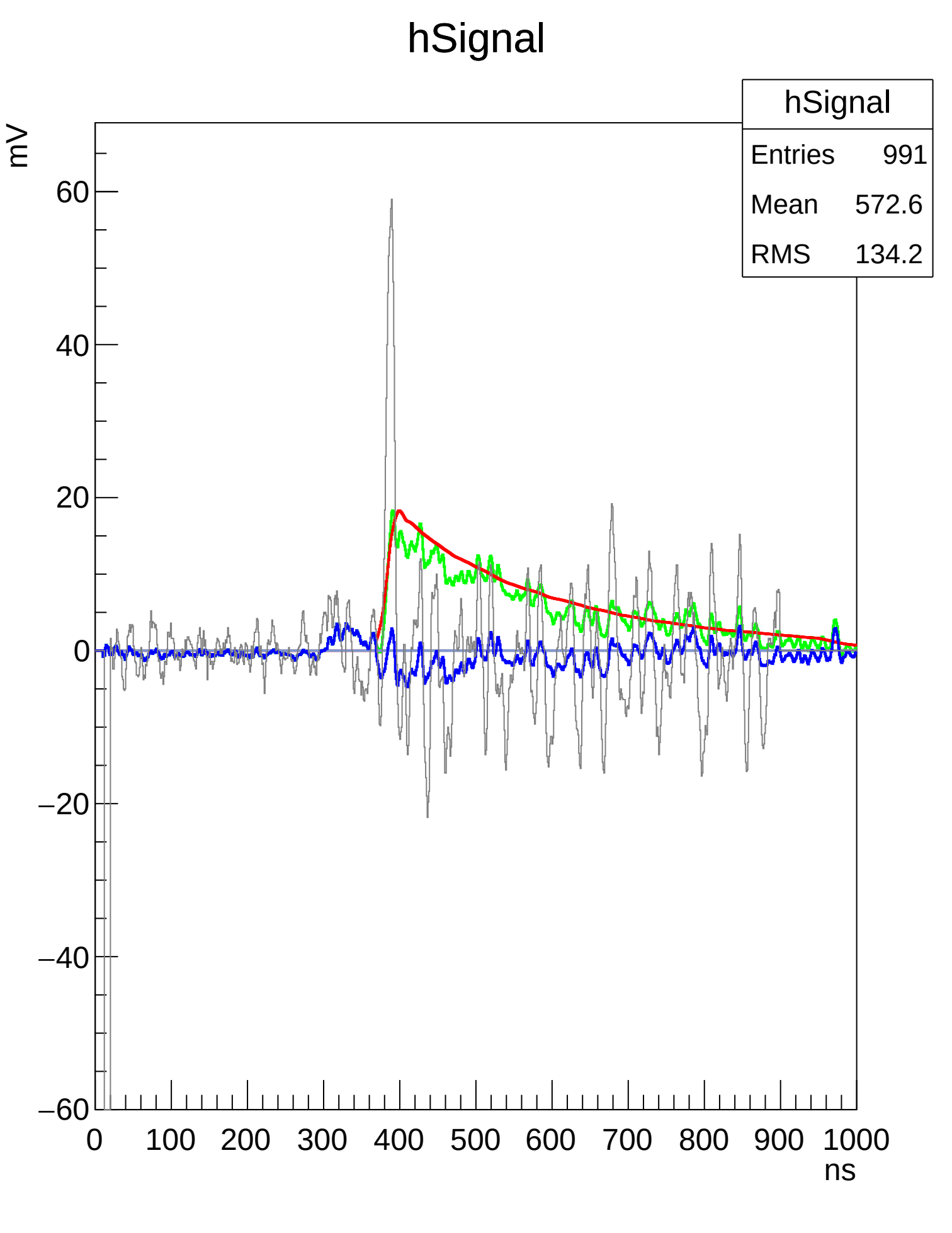
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.6
RMS 134.2
mV
60
40
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0
−20
−40
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0
100
200
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400
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700
800
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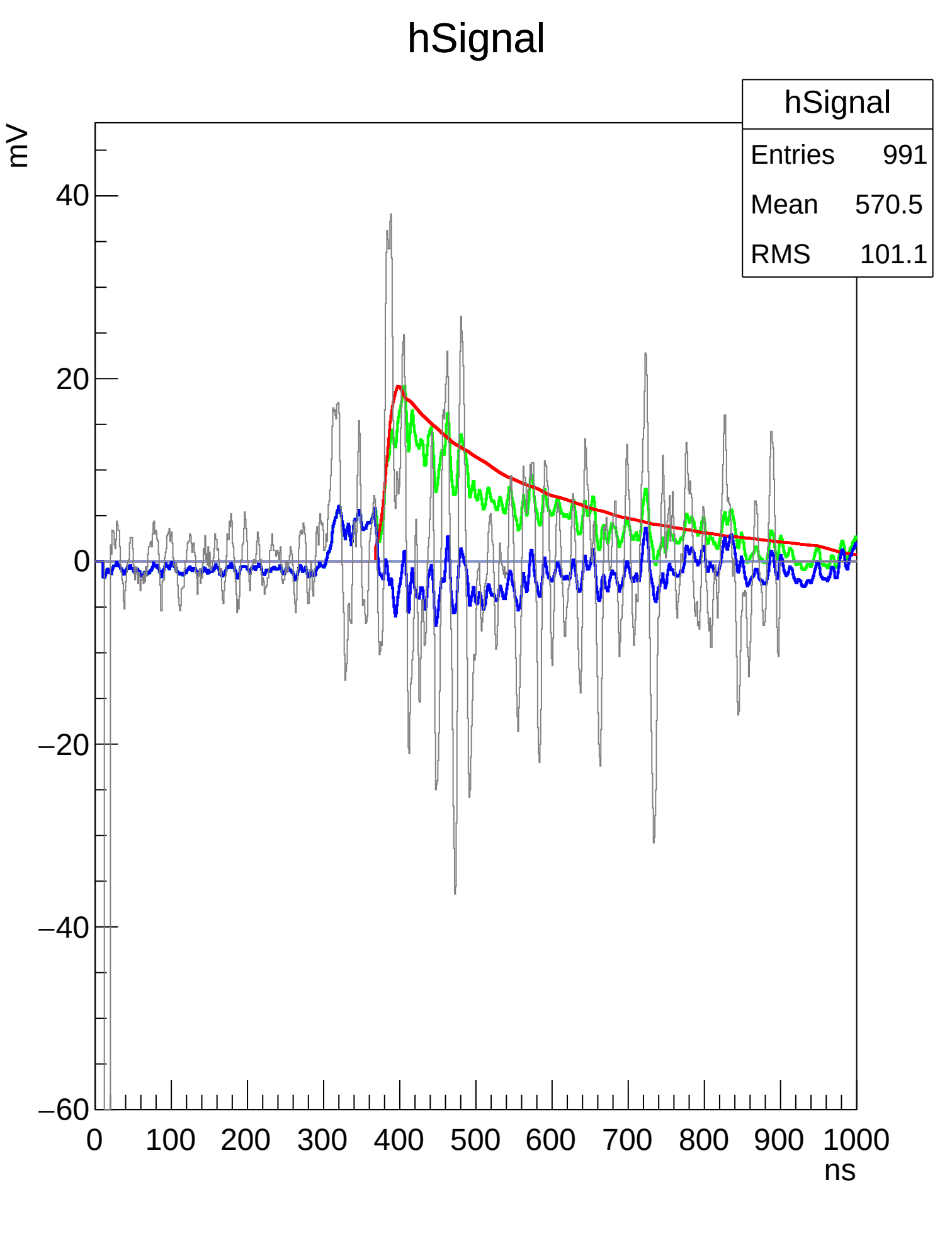
1000
ns


hSignal
hSignal
Entries 991
Mean 570.5
RMS 101.1
mV
40
20
0
−20
−40
−60
0
100
200
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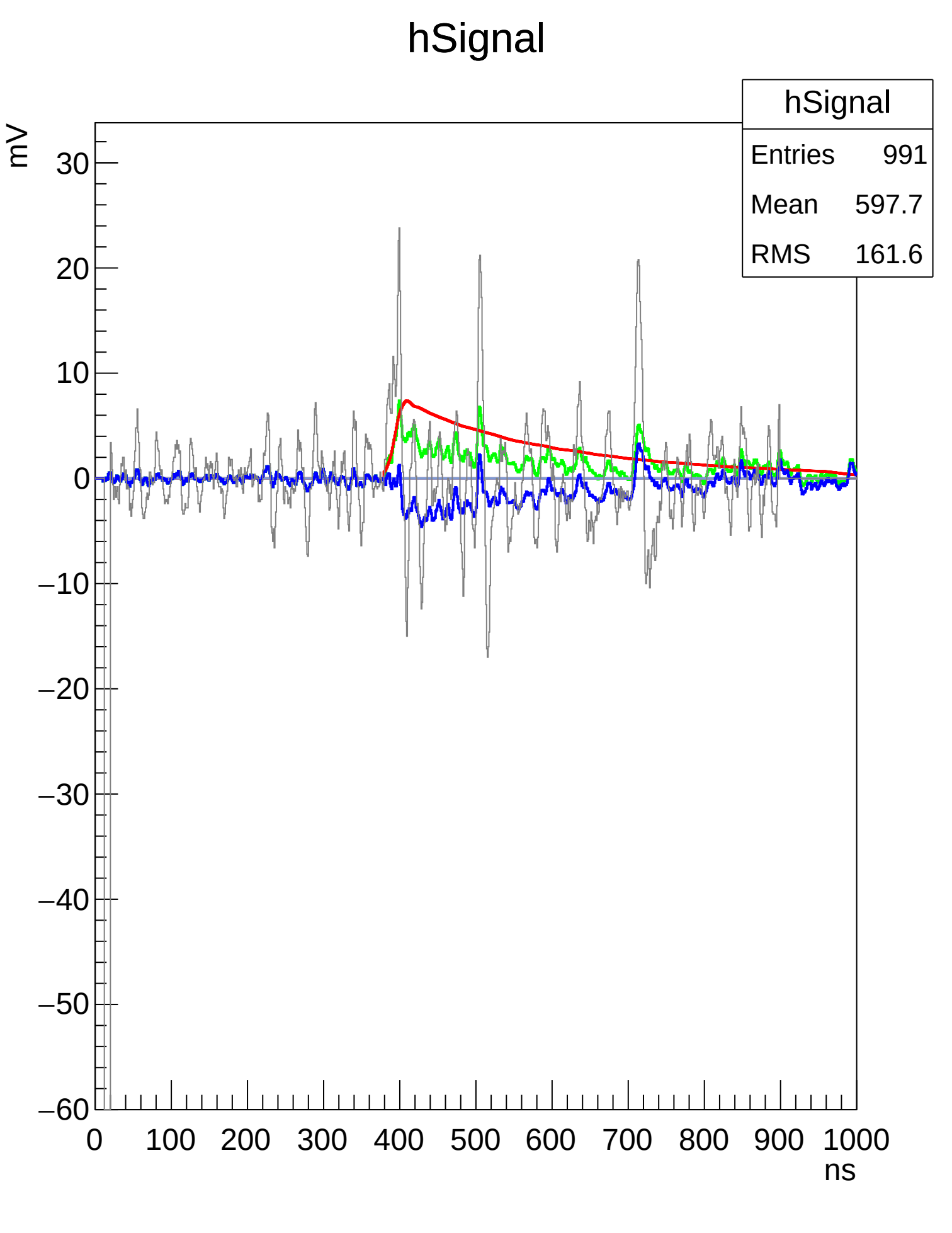
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 161.6
mV
30
20
10
0
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−50
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0
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200
300
400
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800
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1000
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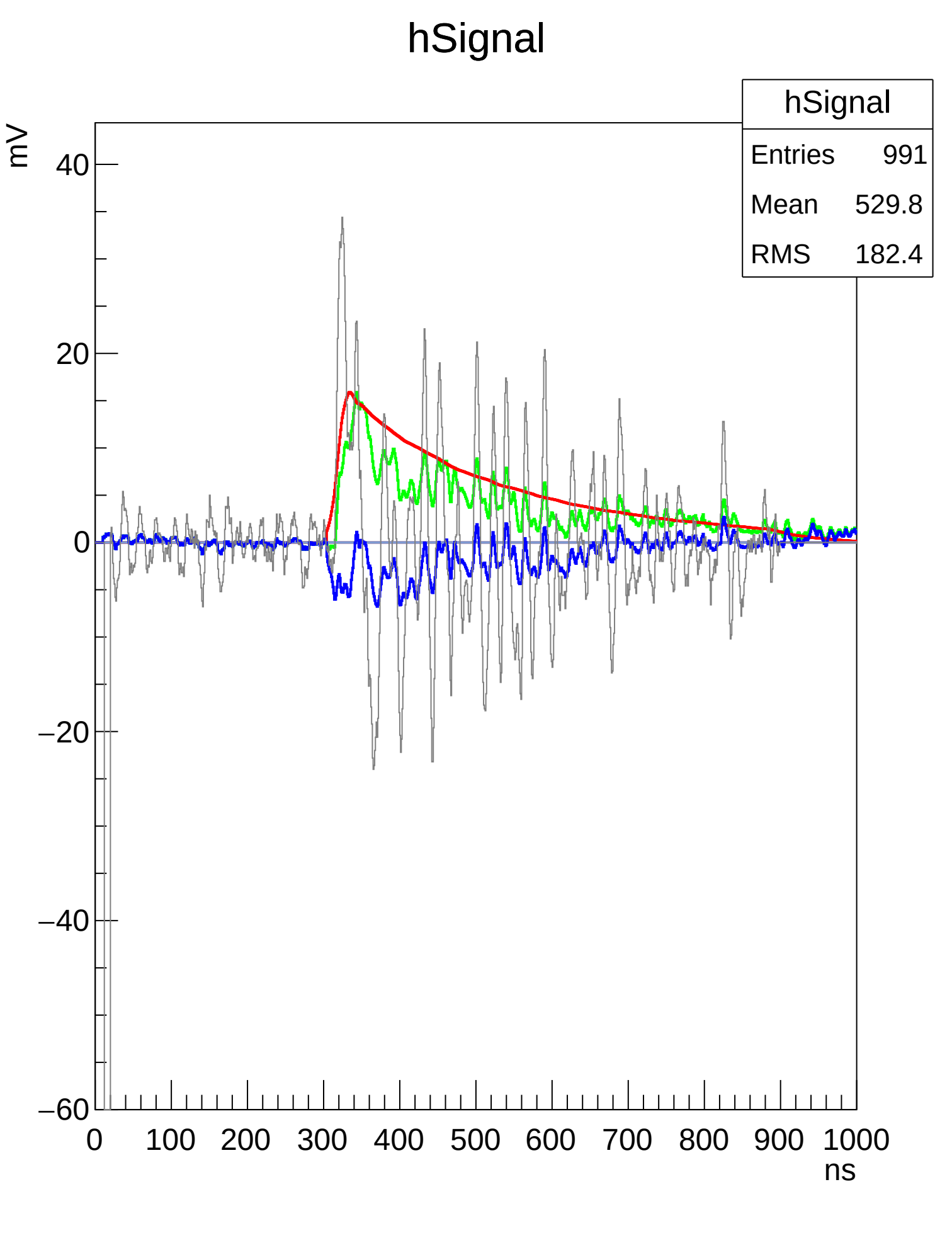
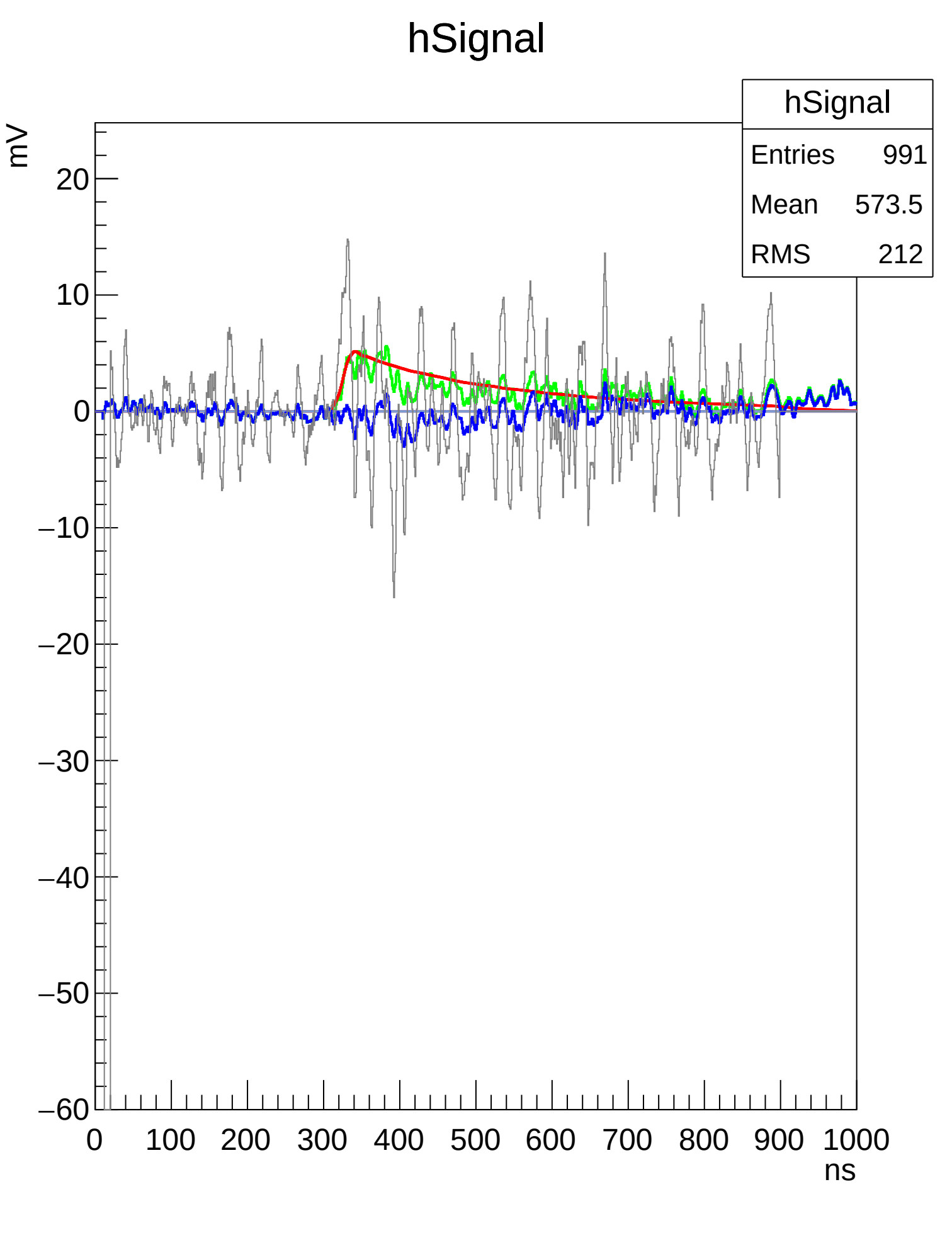
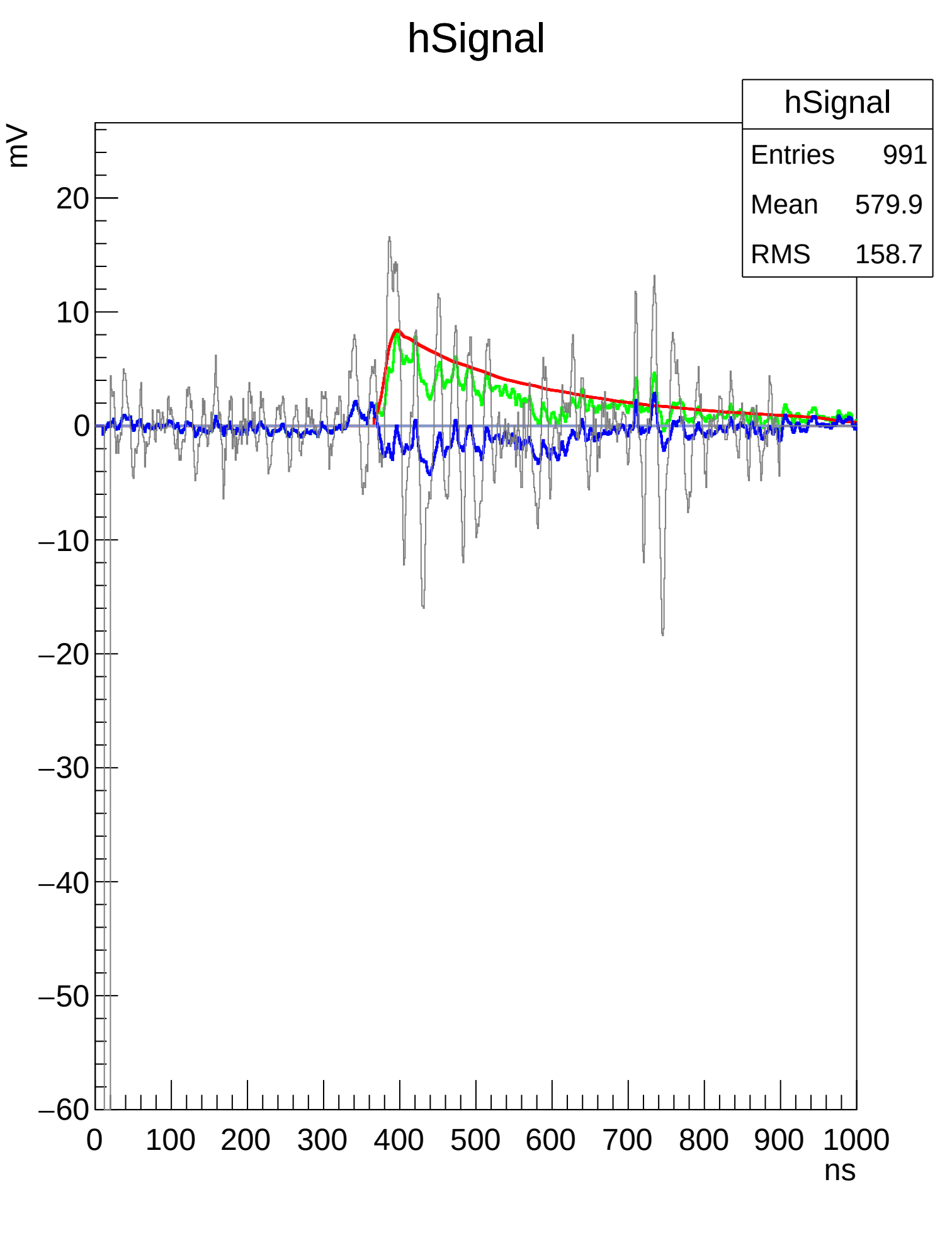

hSignal
hSignal
Entries 991
Mean 529.8
RMS 182.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.5
RMS 212
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.9
RMS 158.7
mV
20
10
0
−10
−20
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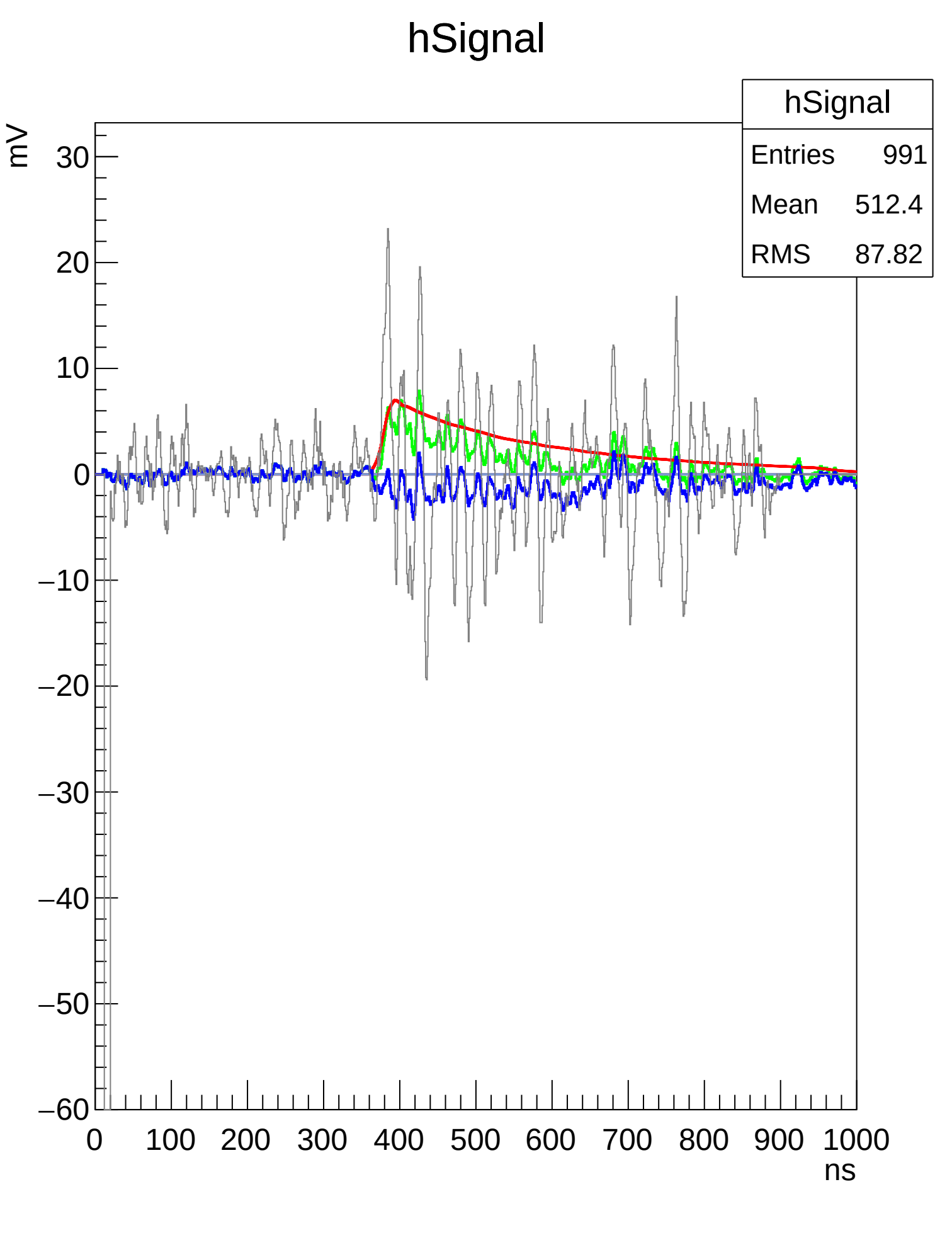
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.4
RMS 87.82
mV
30
20
10
0
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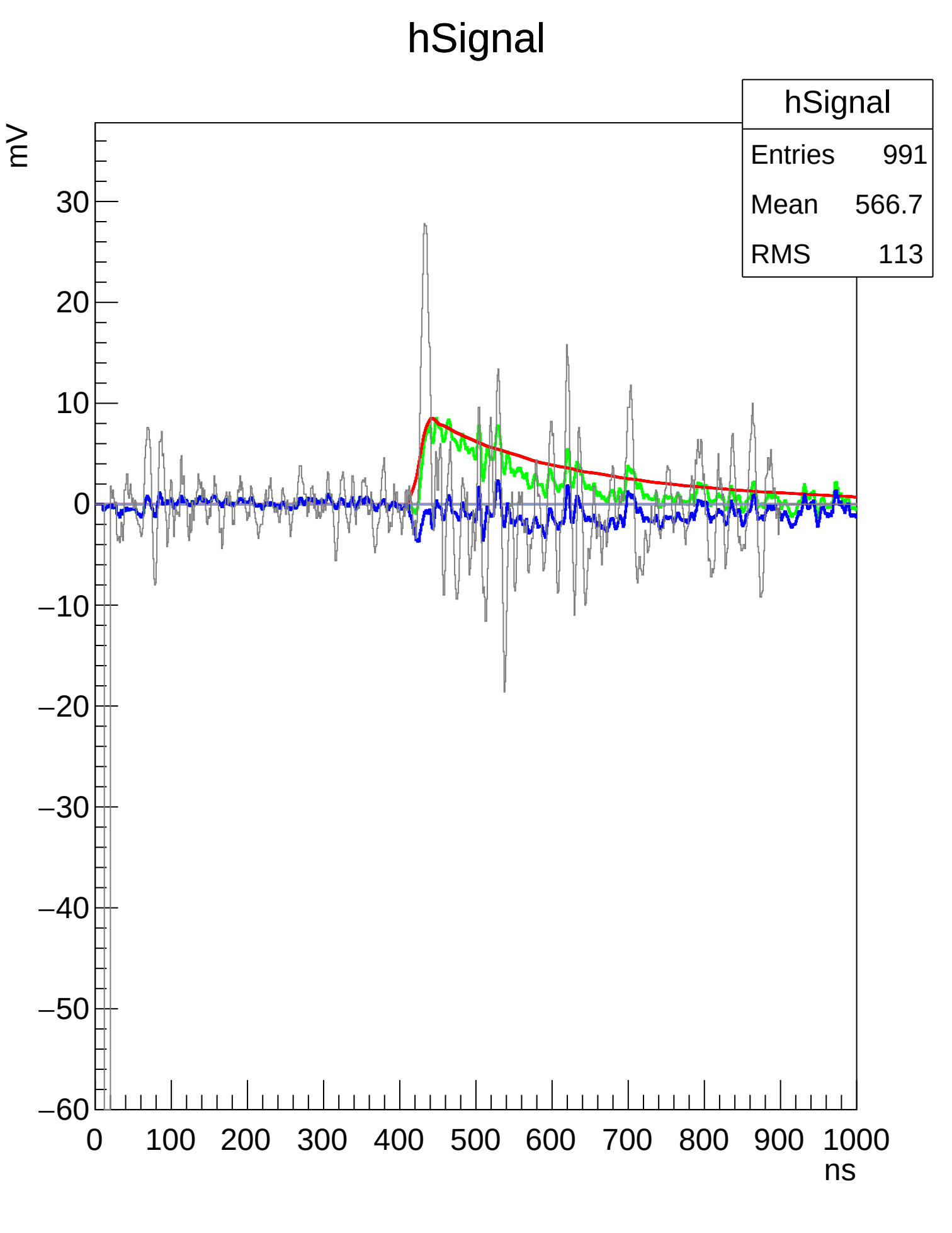
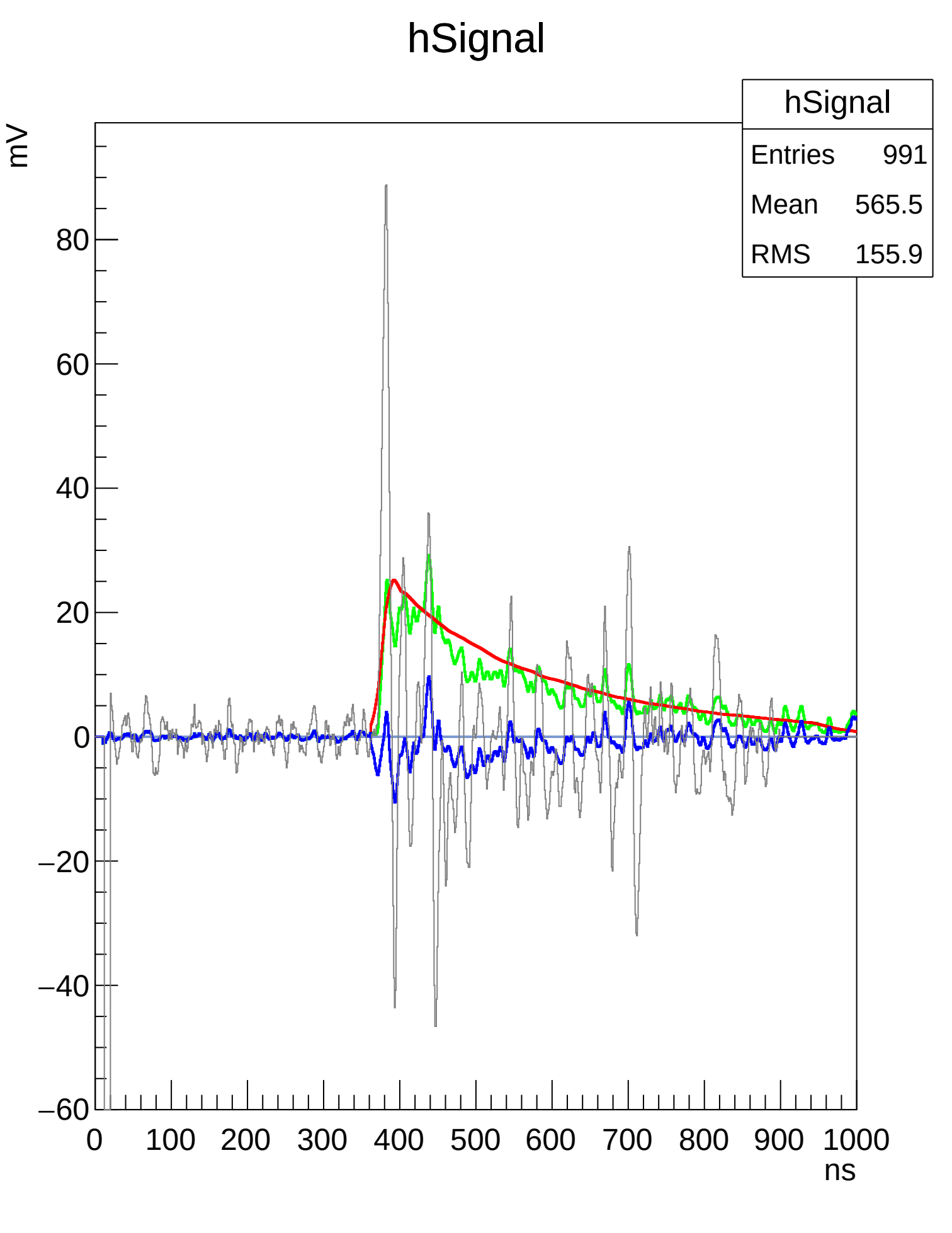
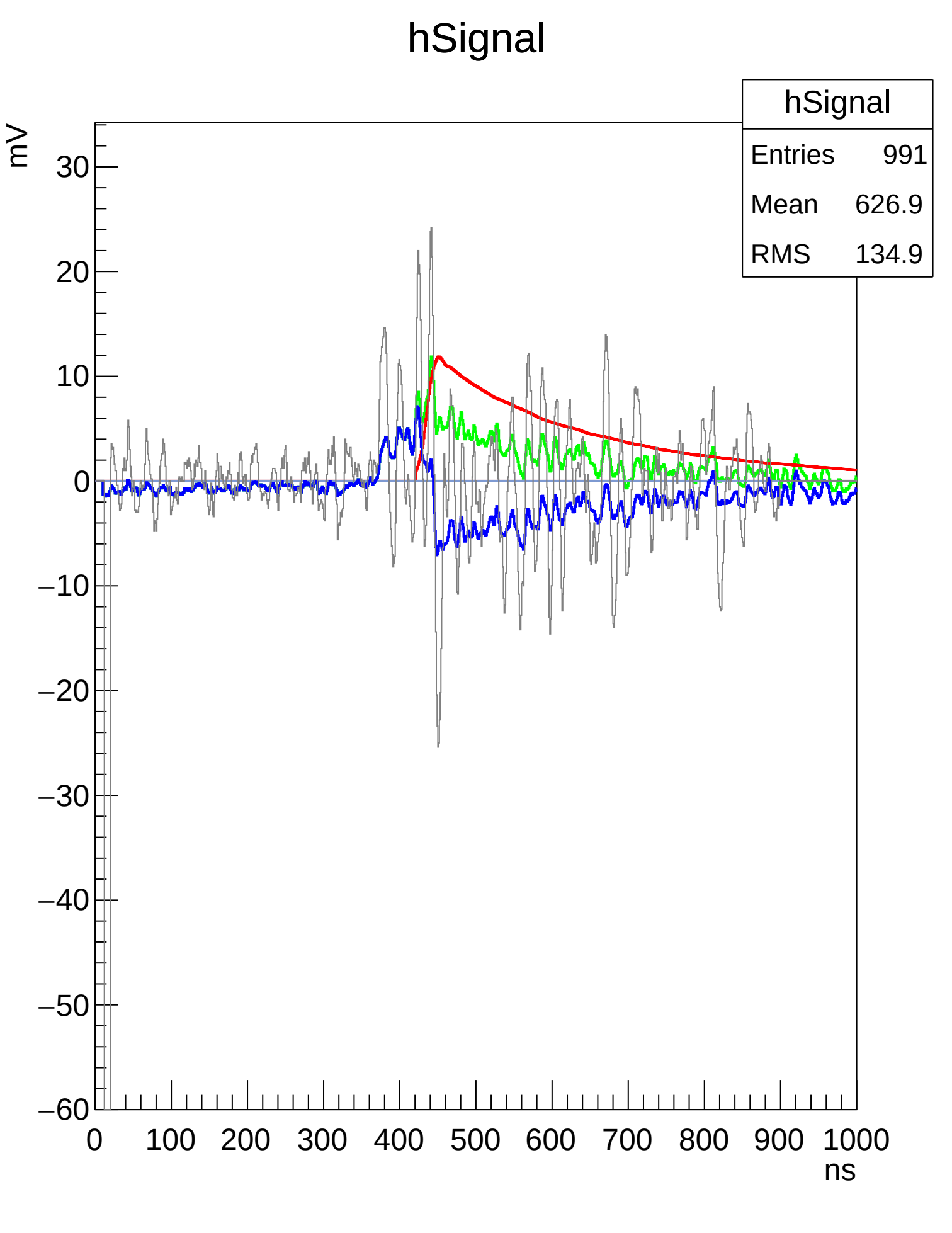
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.7
RMS 113
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.5
RMS 155.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 626.9
RMS 134.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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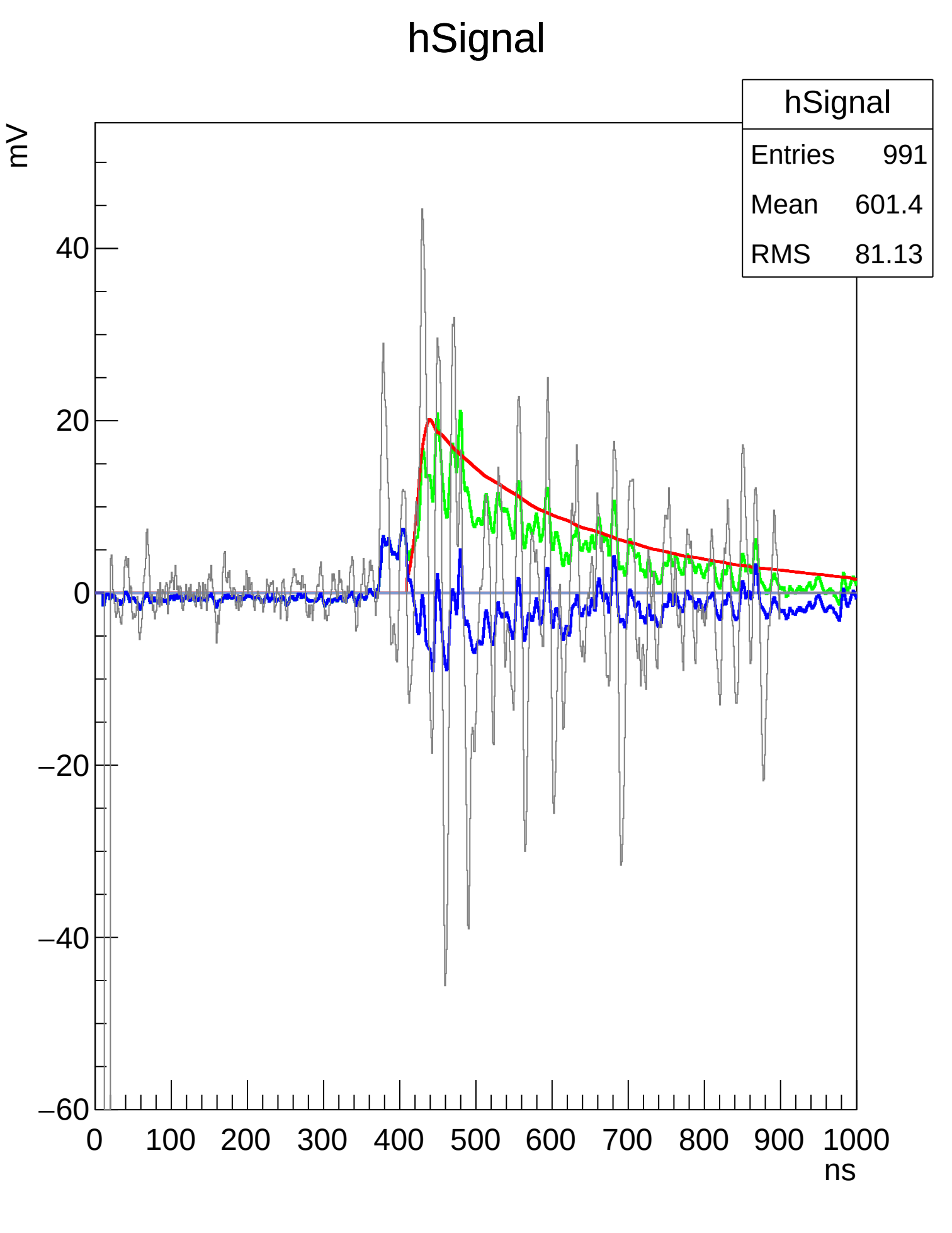
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 81.13
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−20
−40
−60
0
100
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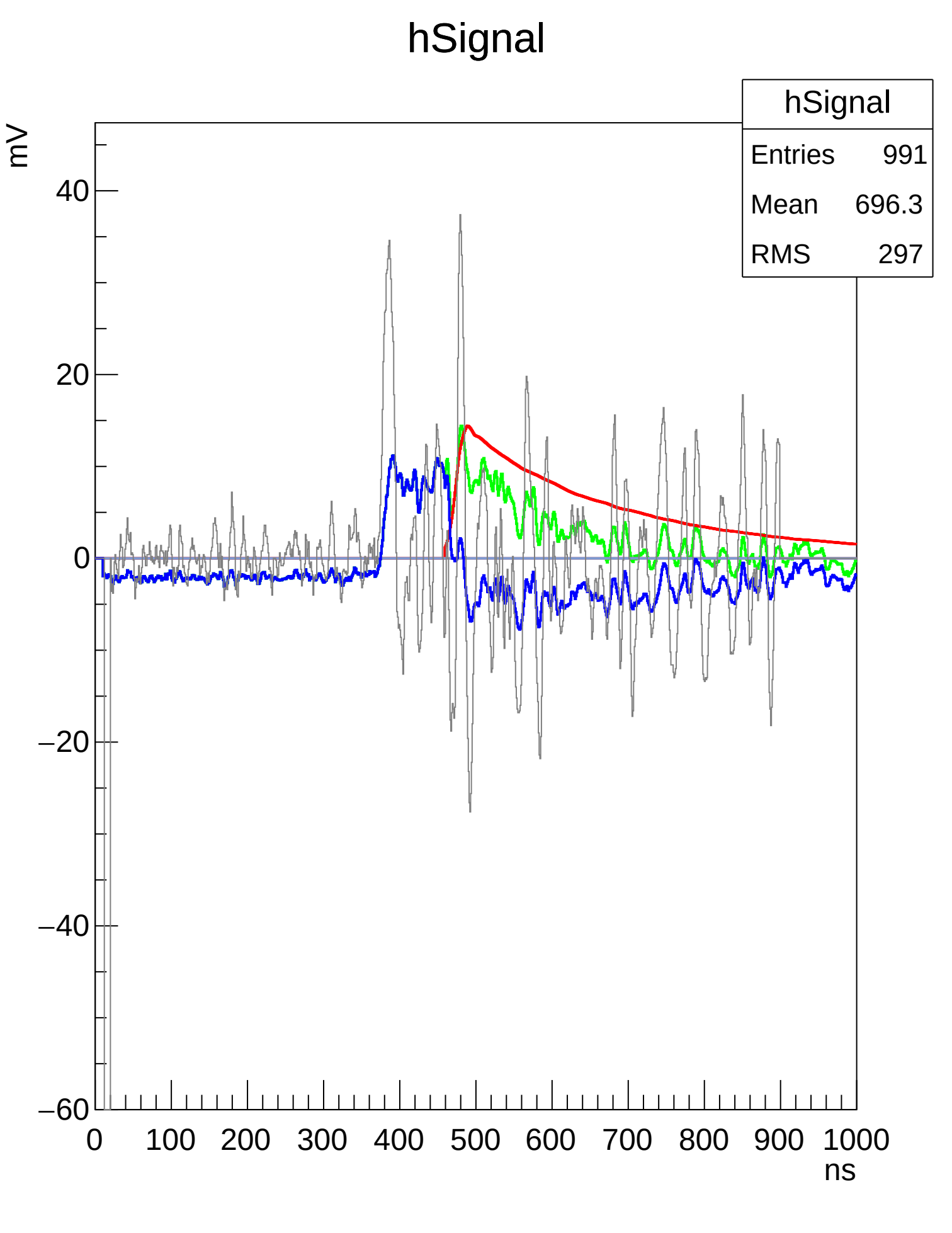
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 696.3
RMS 297
mV
40
20
0
−20
−40
−60
0
100
200
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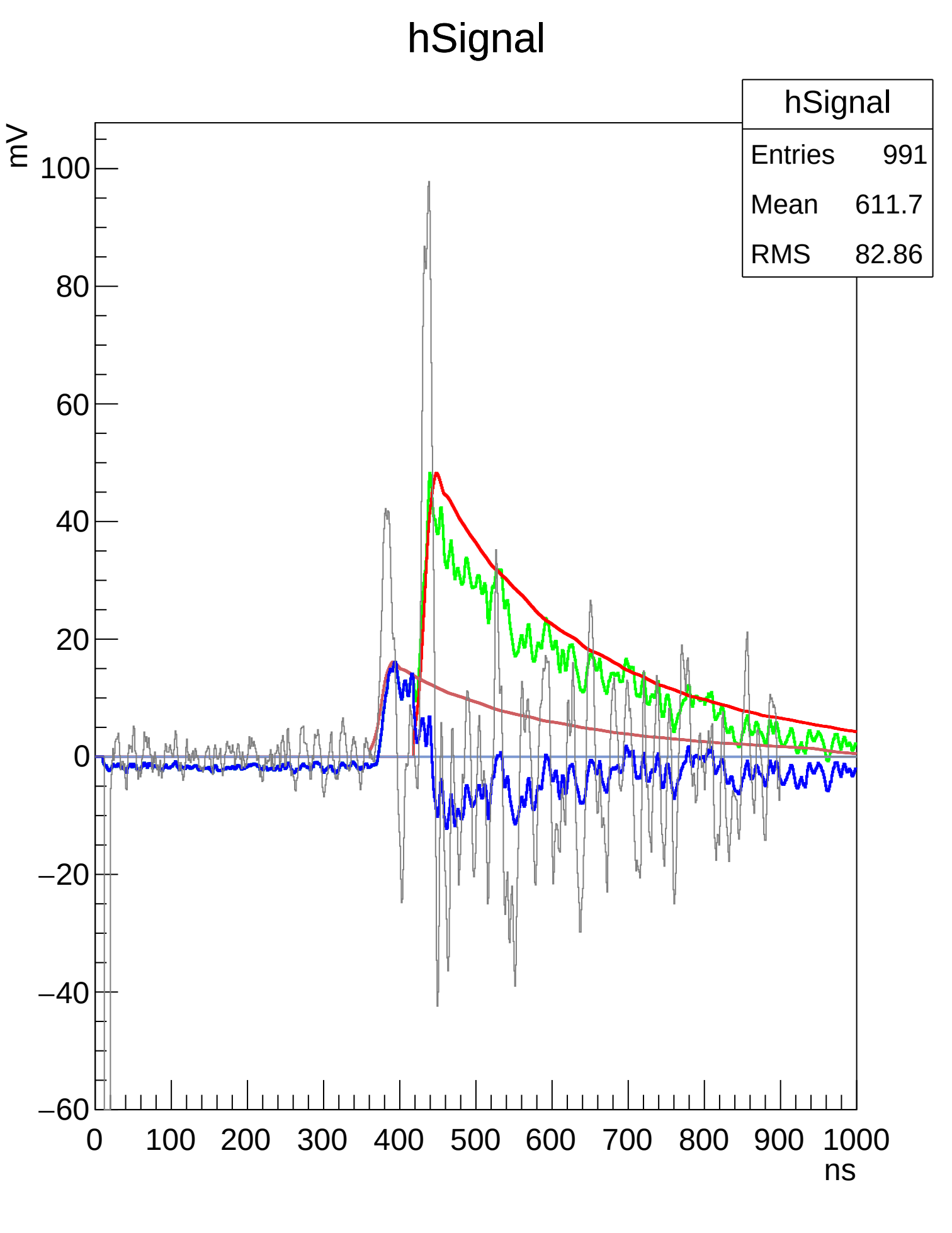
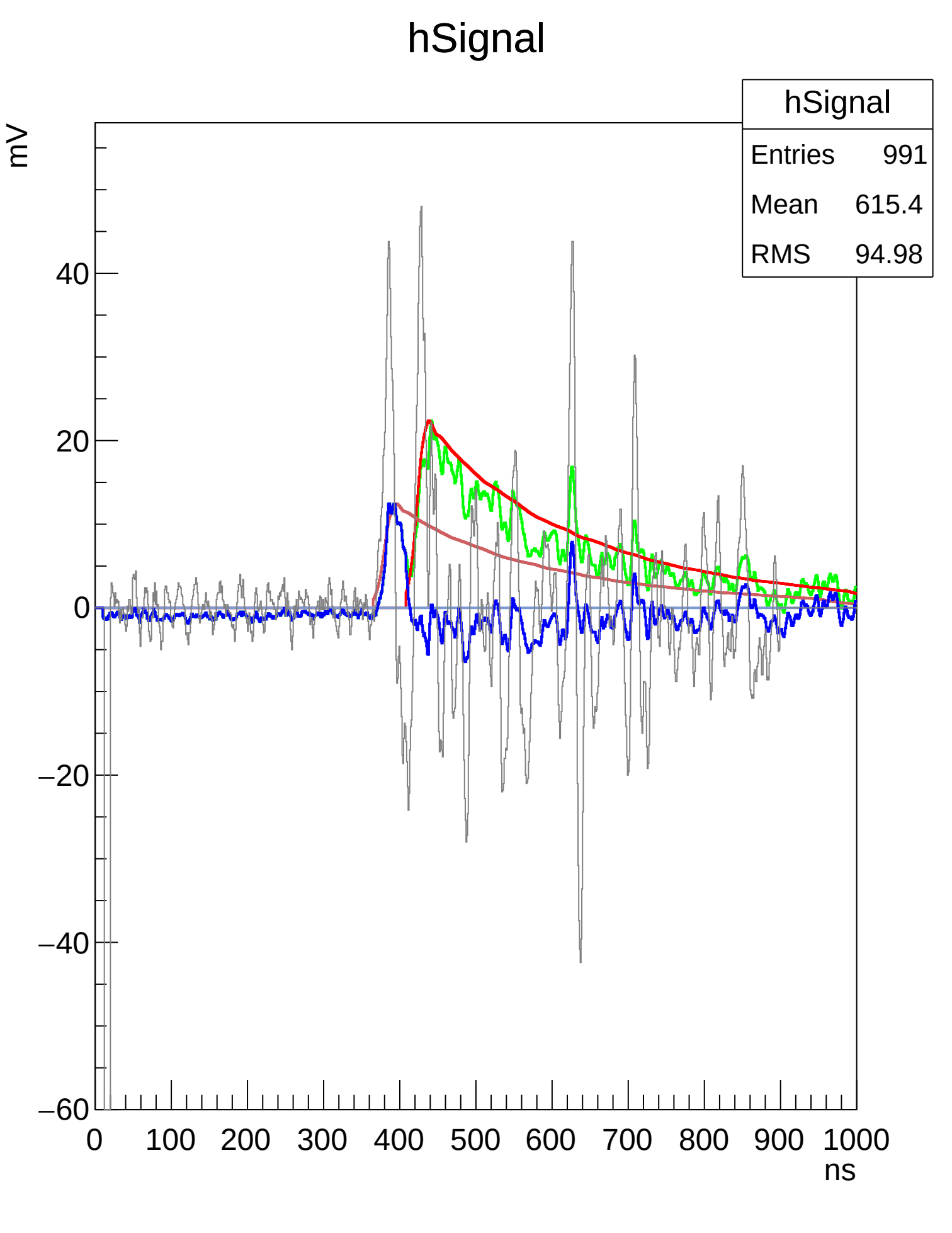
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.7
RMS 82.86
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.4
RMS 94.98
mV
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−20
−40
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0
100
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400
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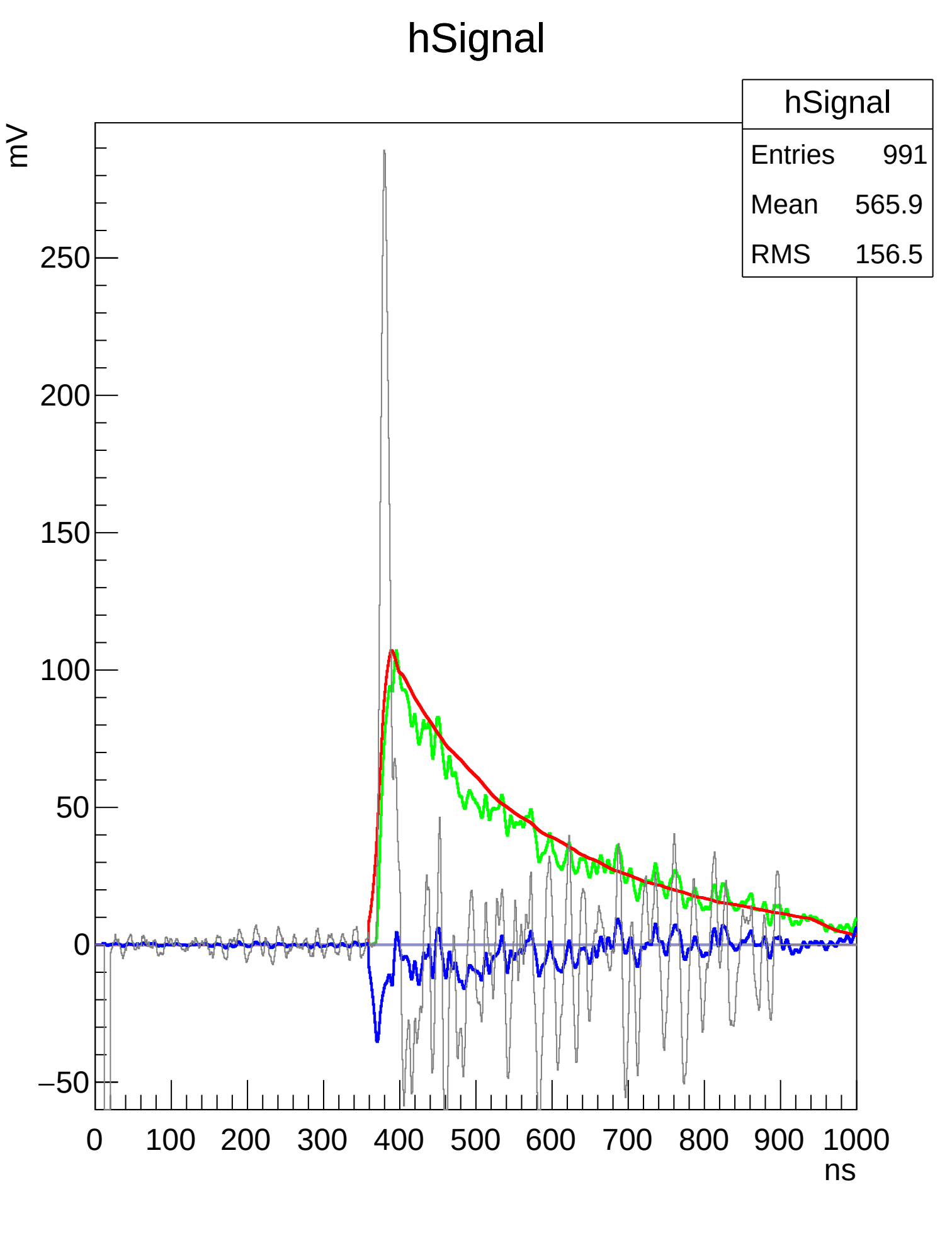
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.9
RMS 156.5
mV
250
200
150
100
50
0
−50
0
100
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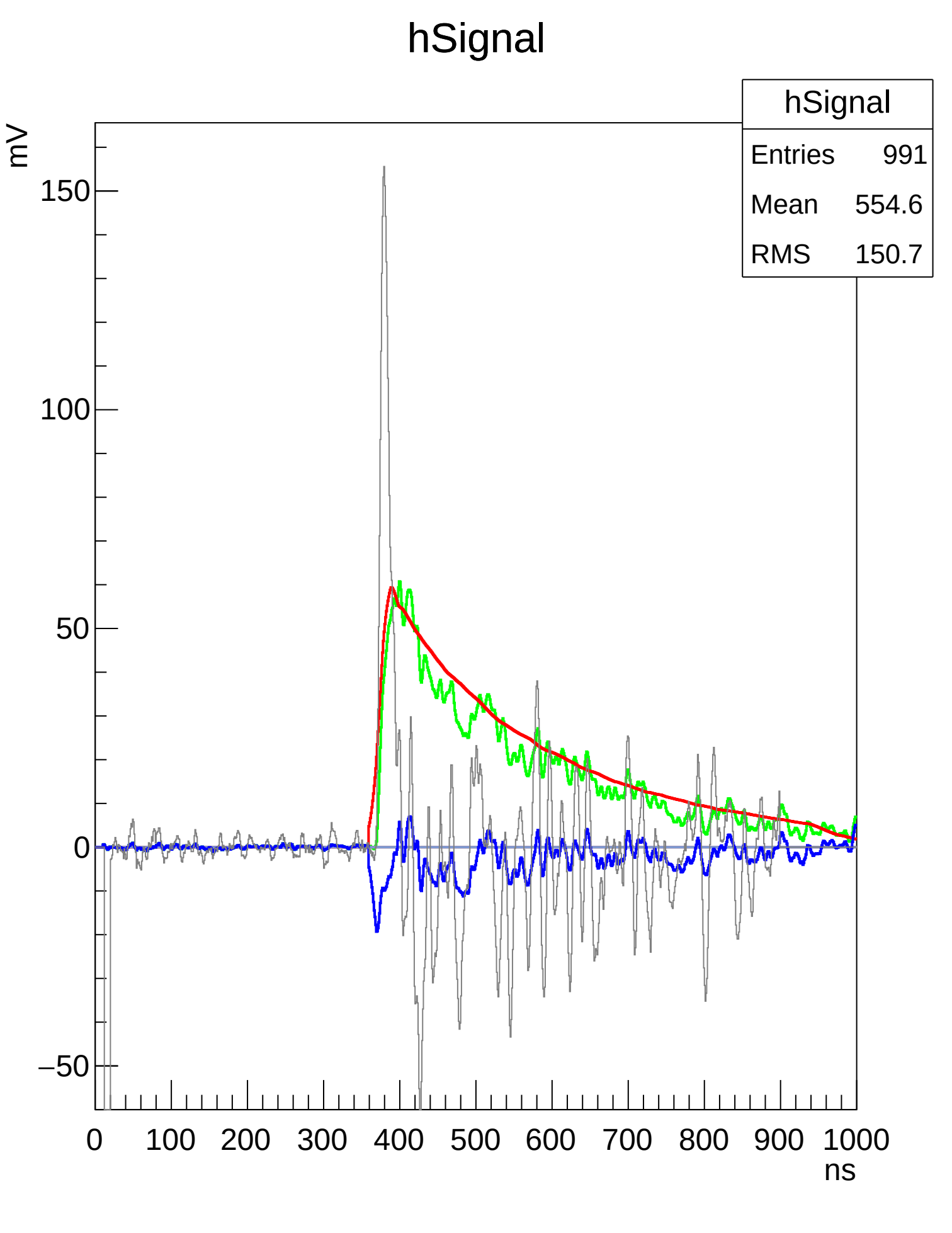
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 150.7
mV
150
100
50
0
−50
0
100
200
300
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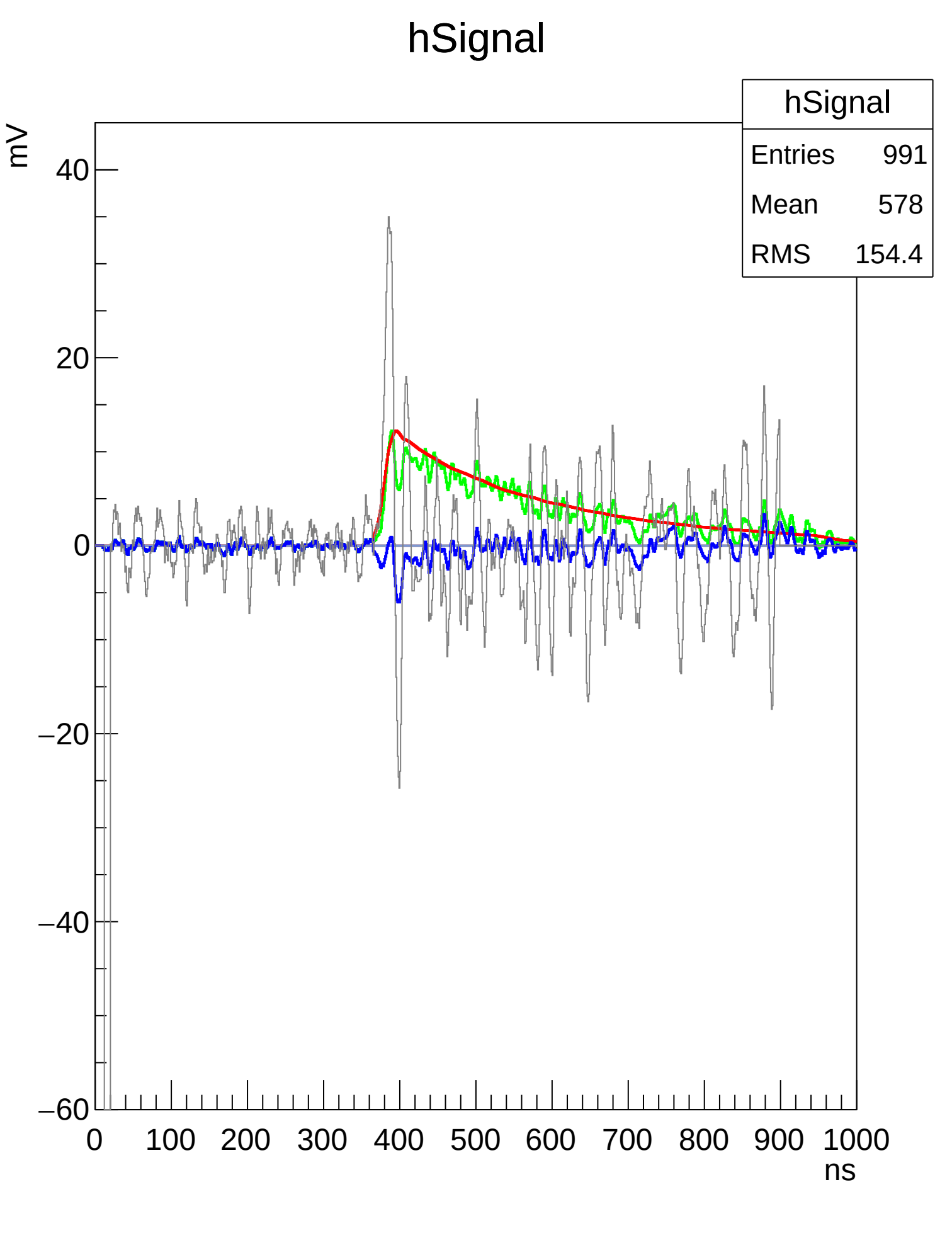
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578
RMS 154.4
mV
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−20
−40
−60
0
100
200
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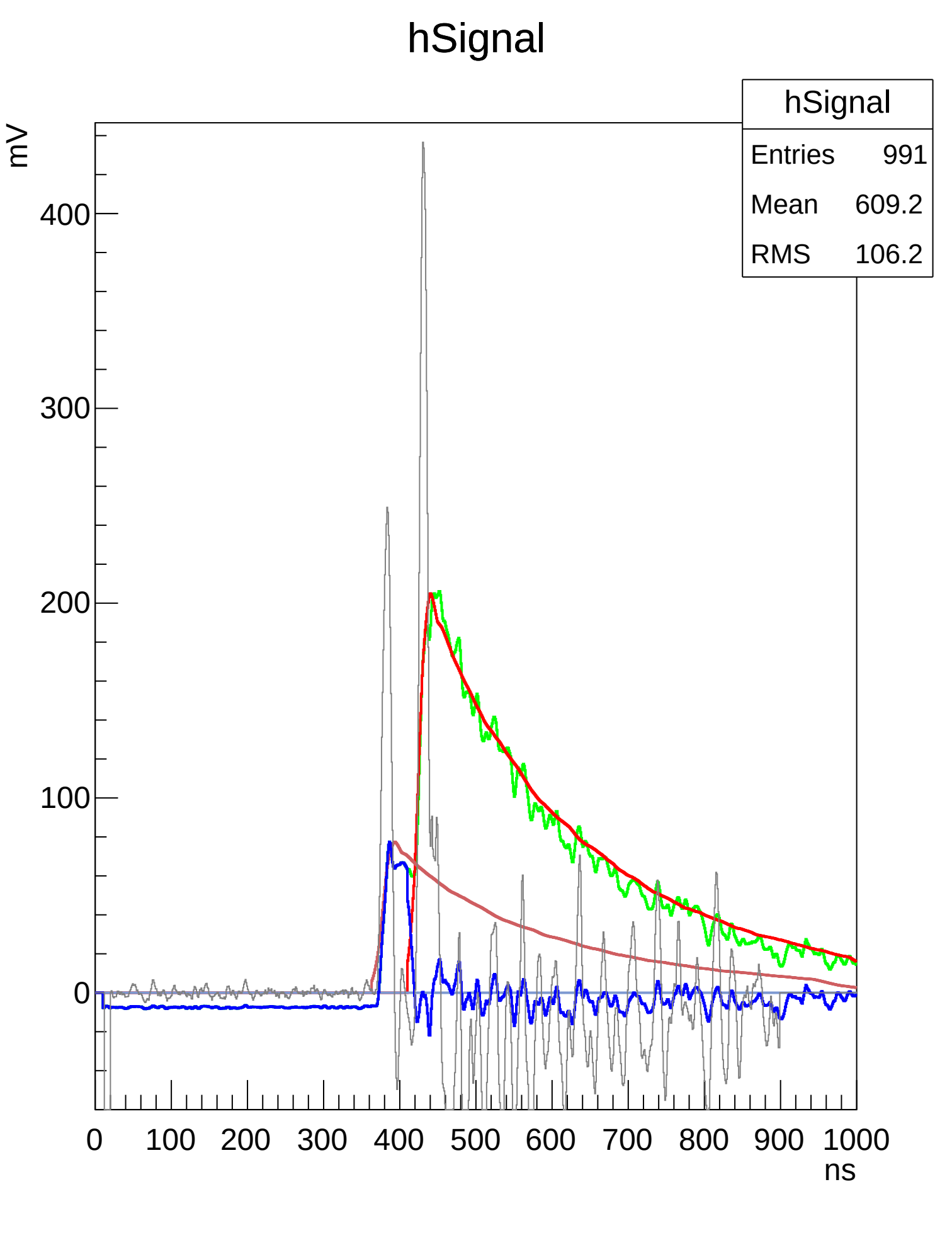
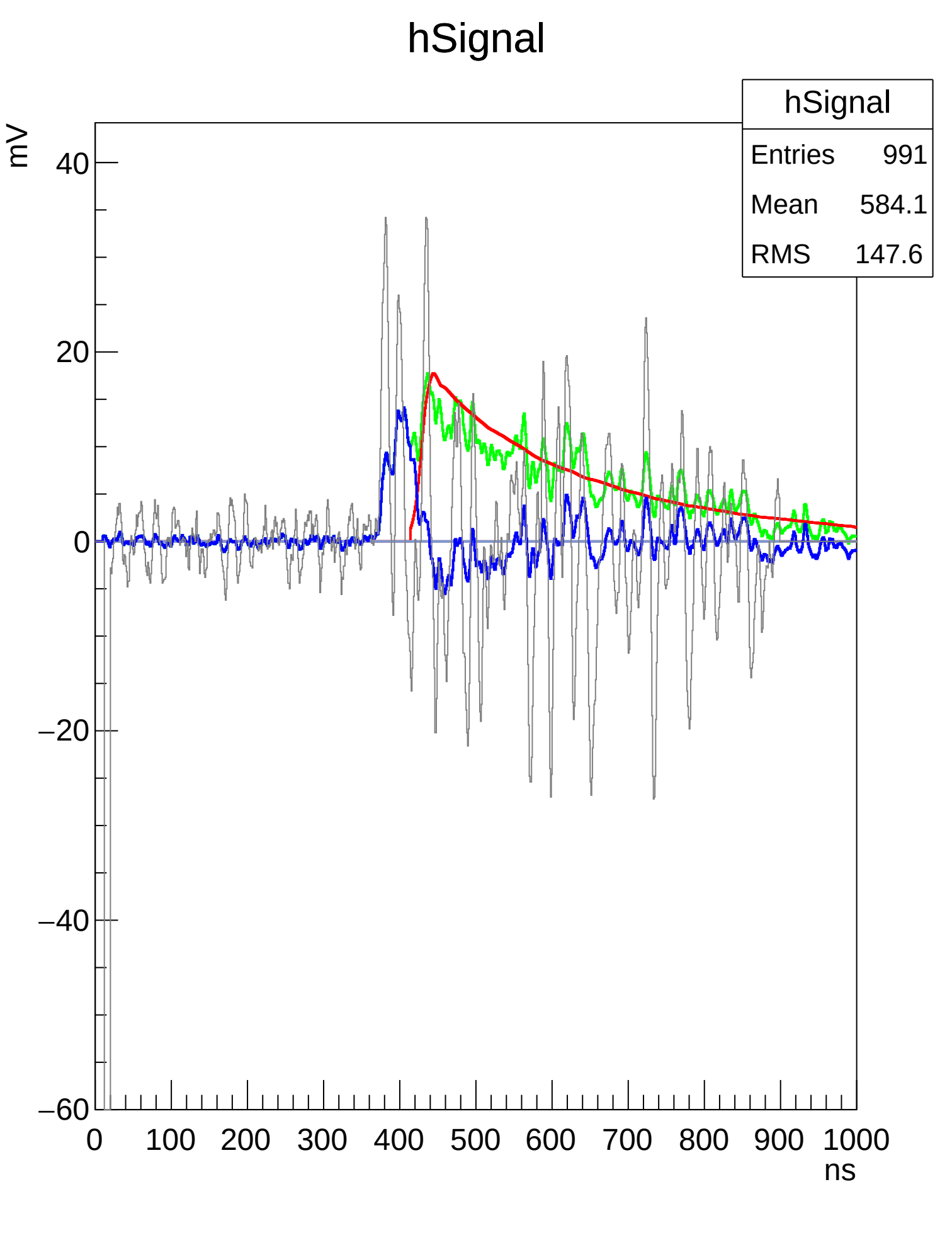
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 106.2
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 147.6
mV
40
20
0
−20
−40
−60
0
100
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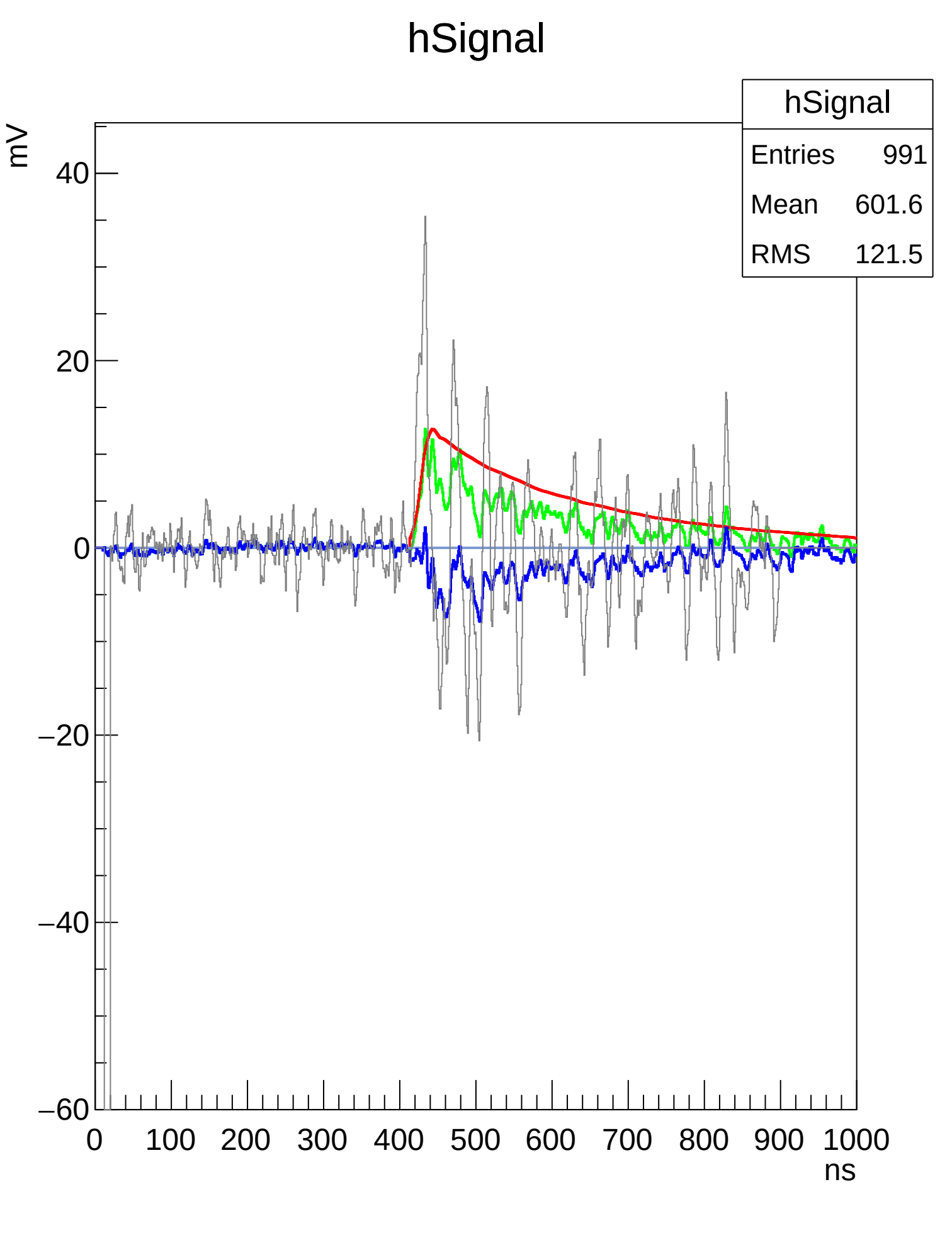
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.6
RMS 121.5
mV
40
20
0
−20
−40
−60
0
100
200
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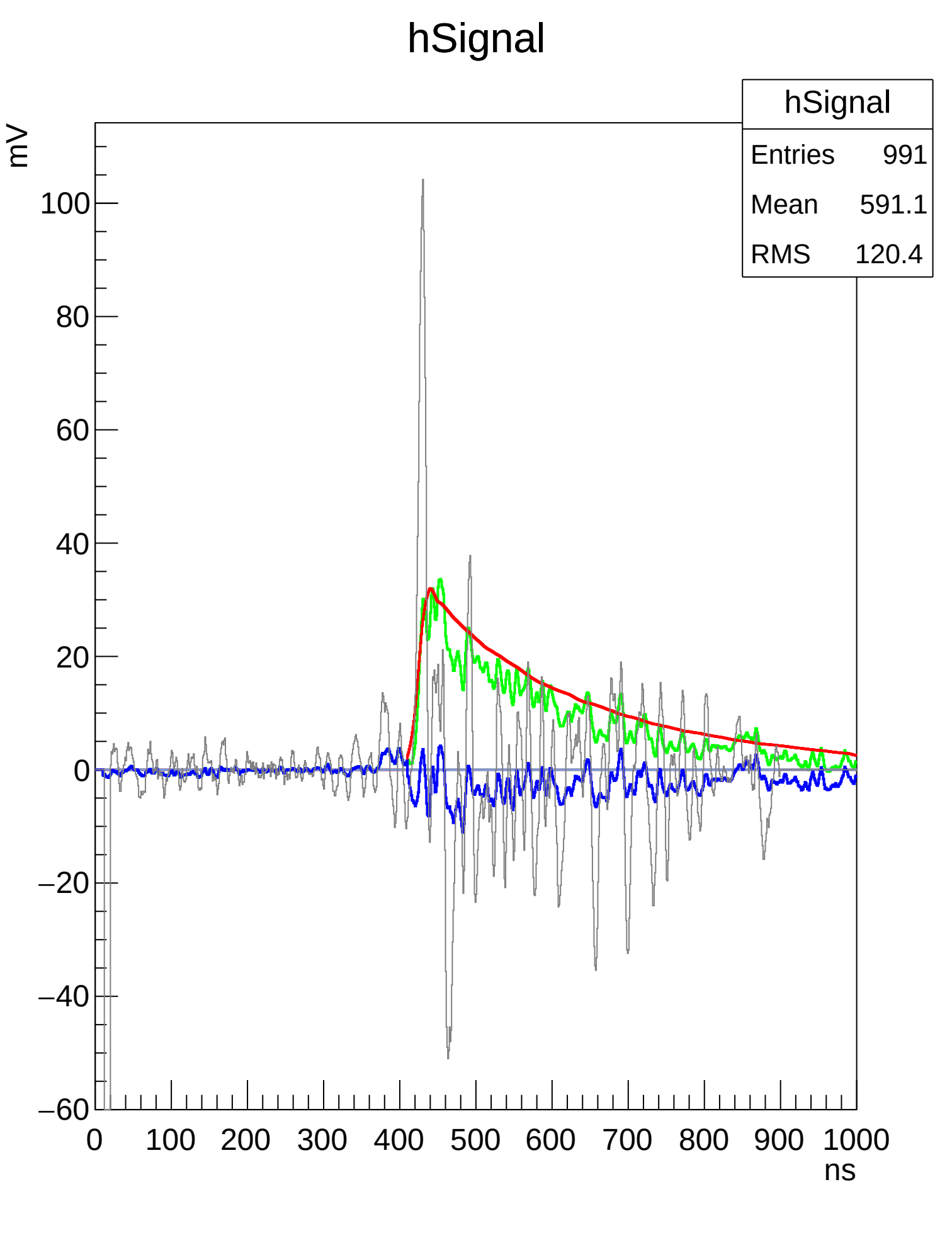
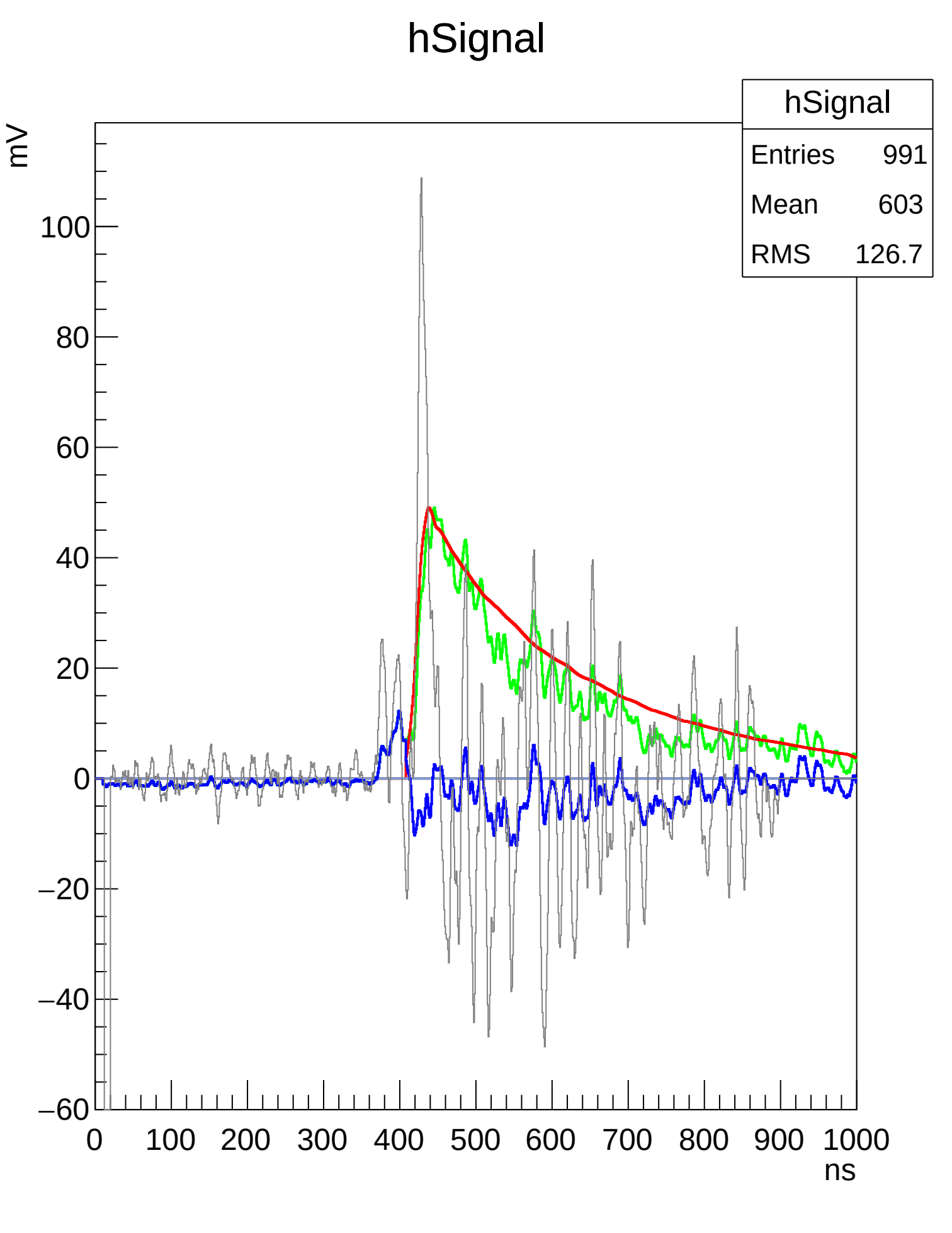
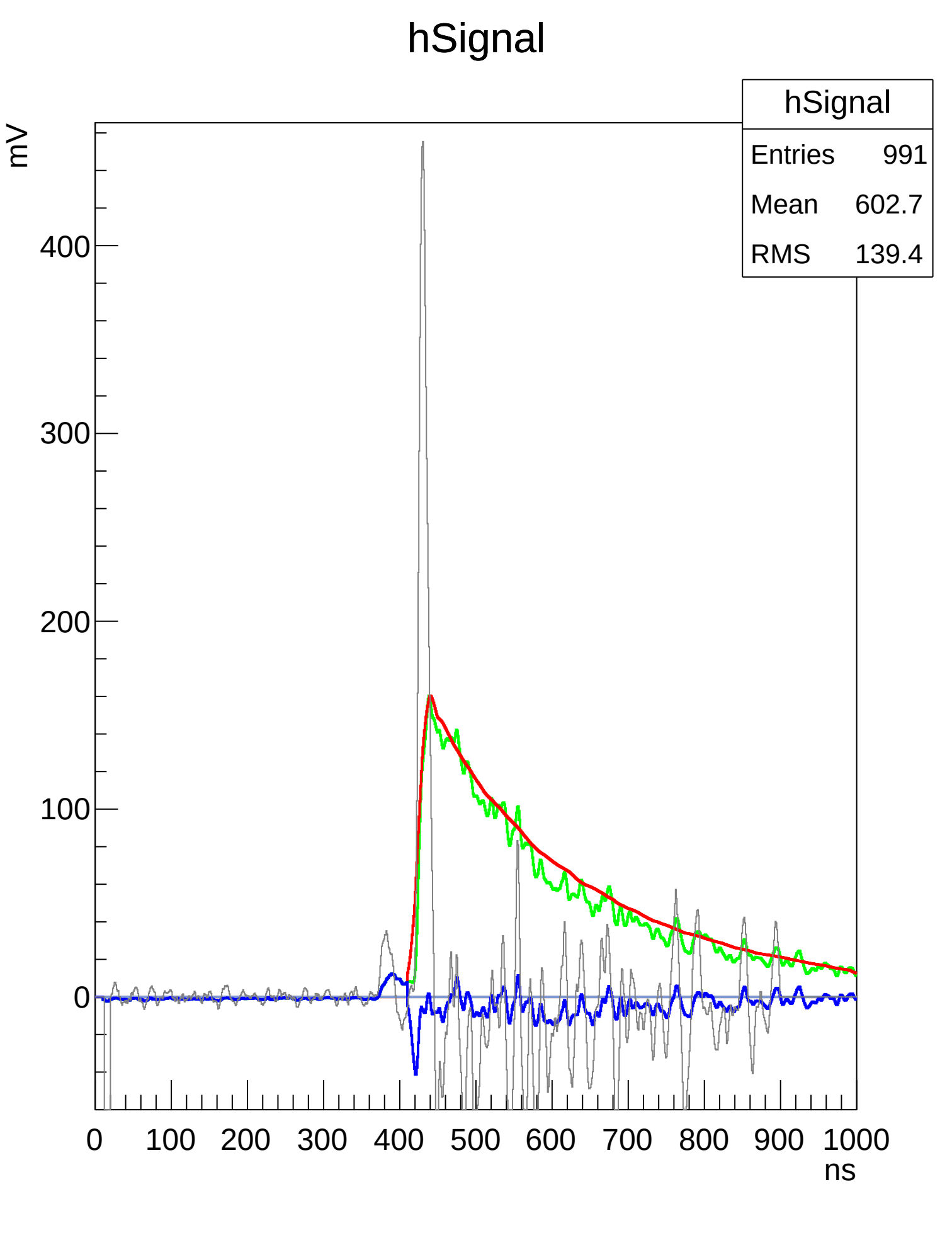
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.1
RMS 120.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603
RMS 126.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.7
RMS 139.4
mV
400
300
200
100
0
0
100
200
300
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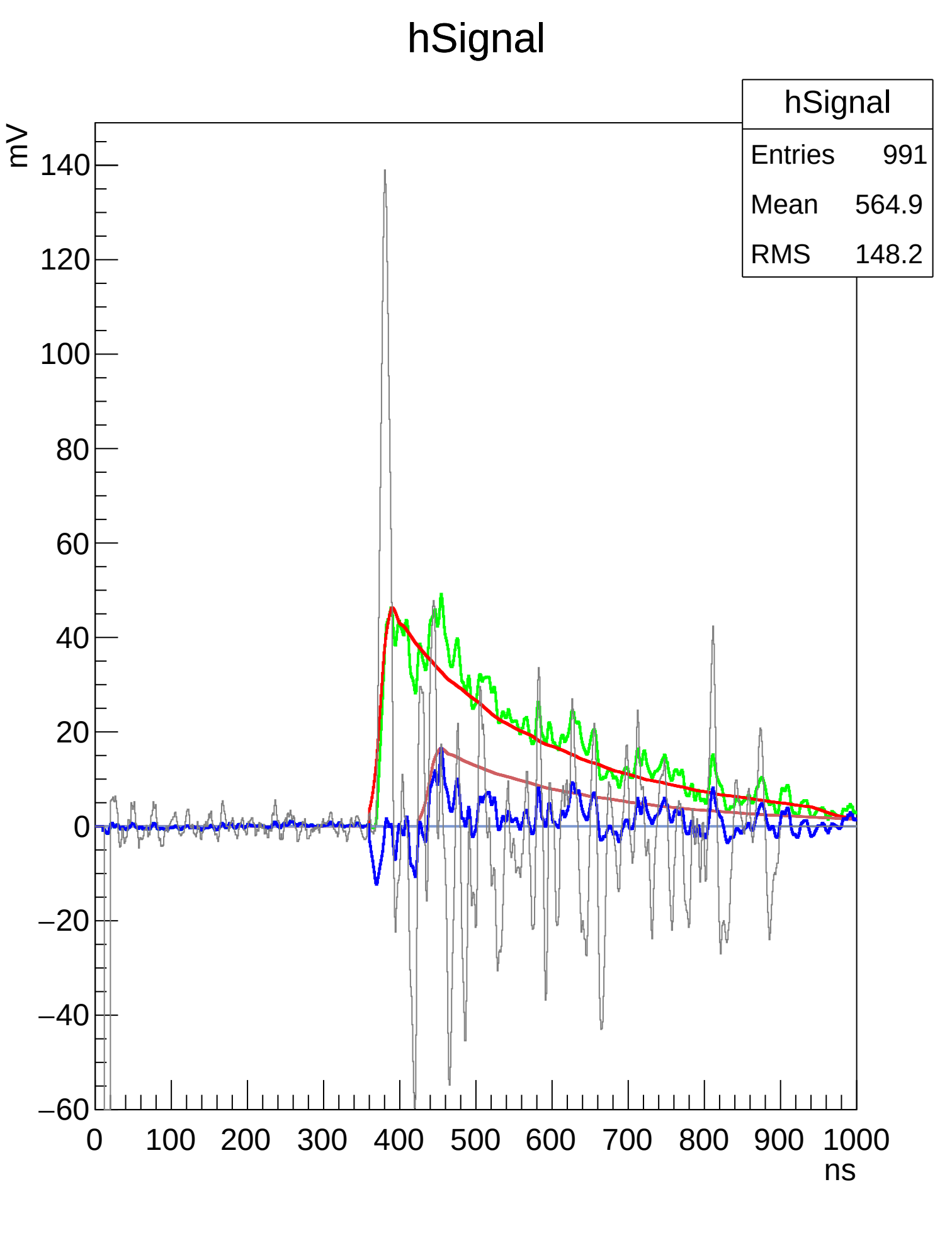
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.9
RMS 148.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
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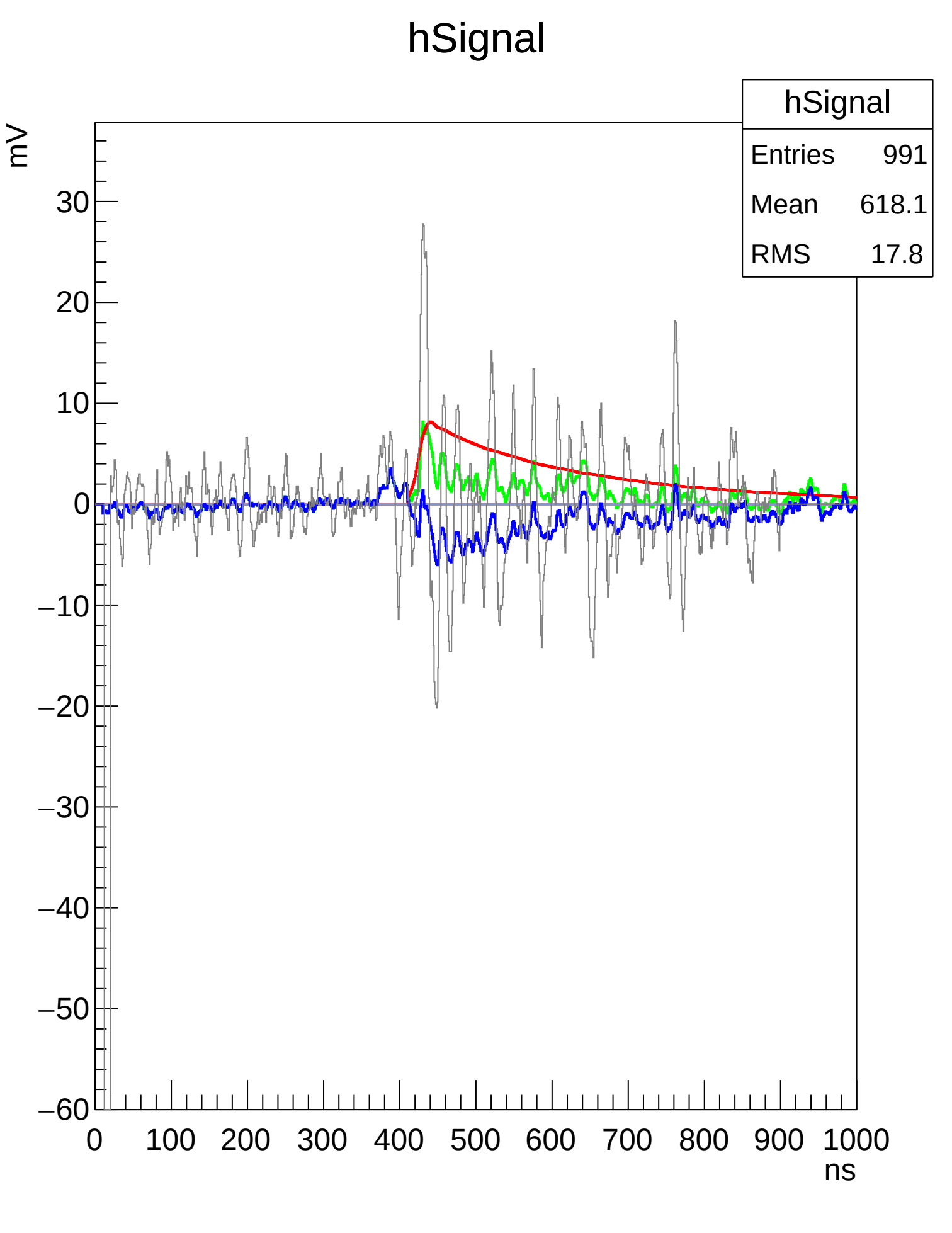
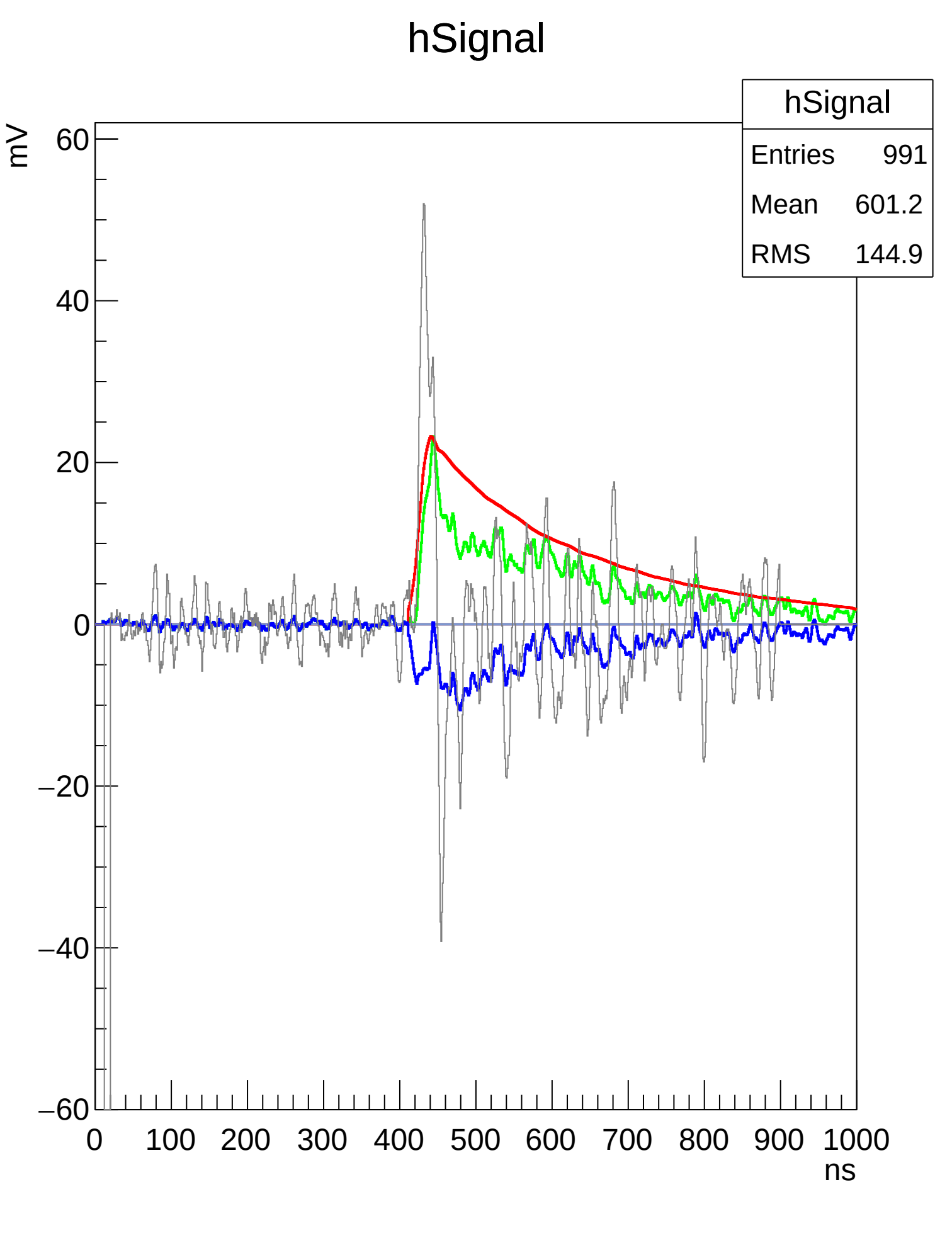
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.1
RMS 17.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 144.9
mV
60
40
20
0
−20
−40
−60
0
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200
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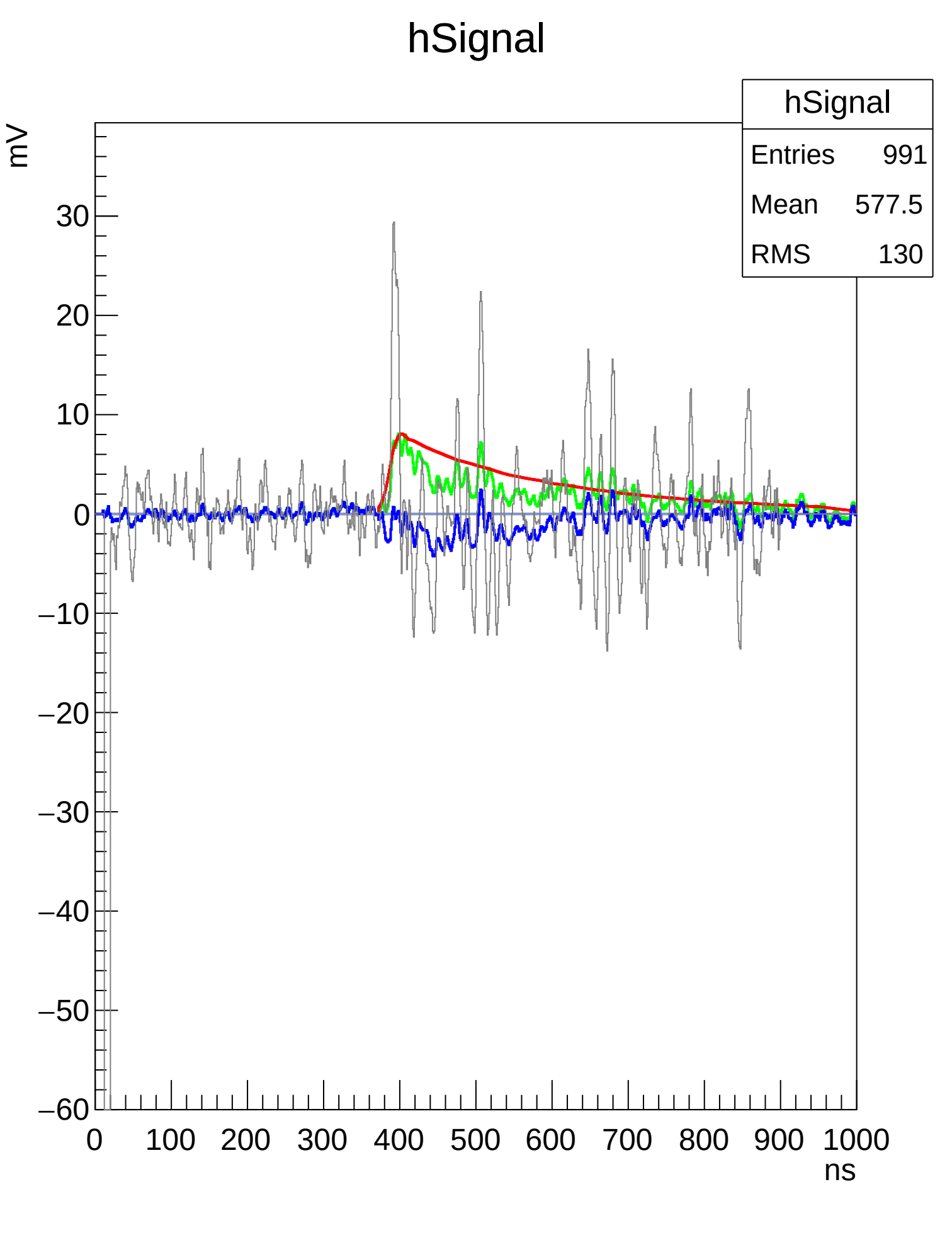
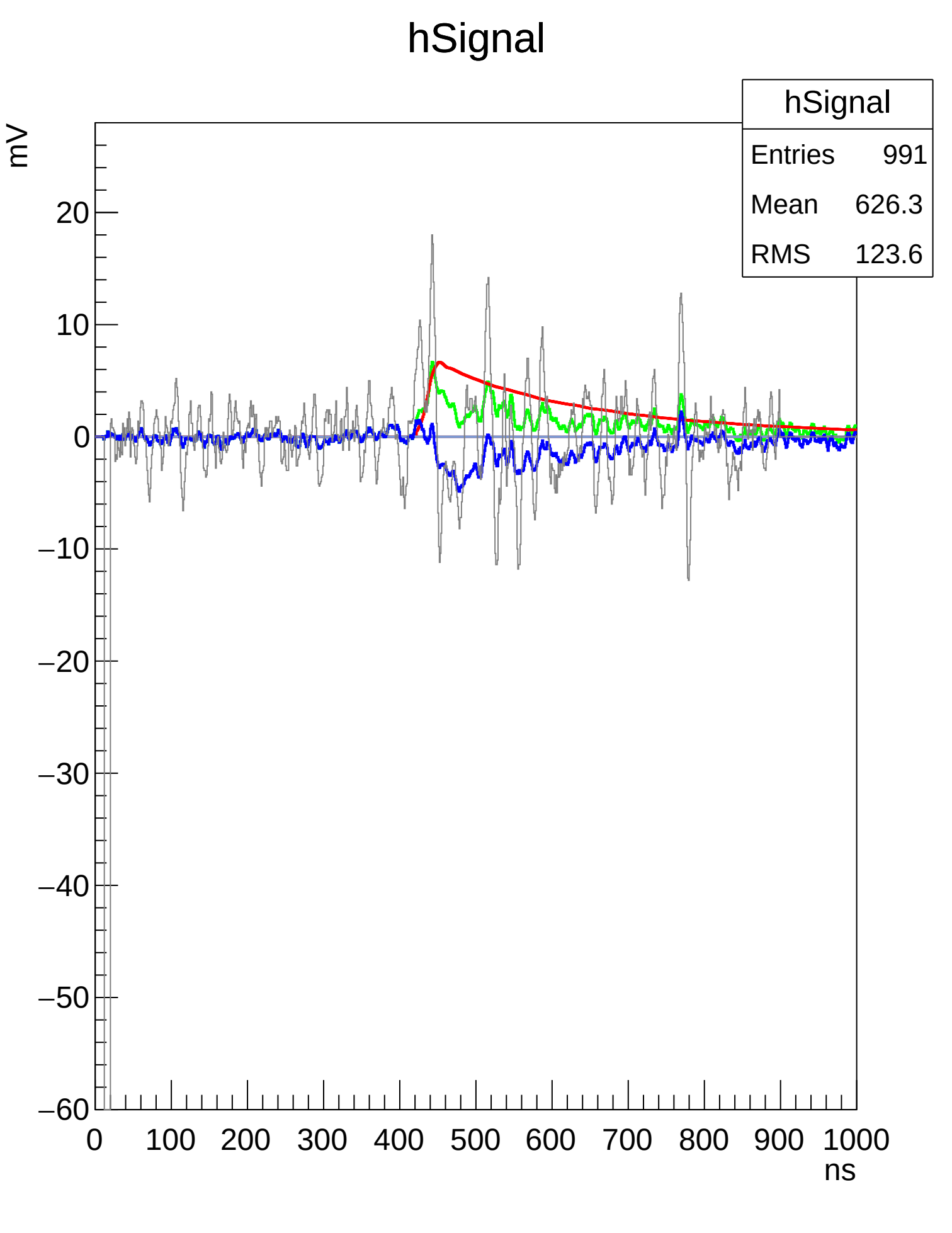
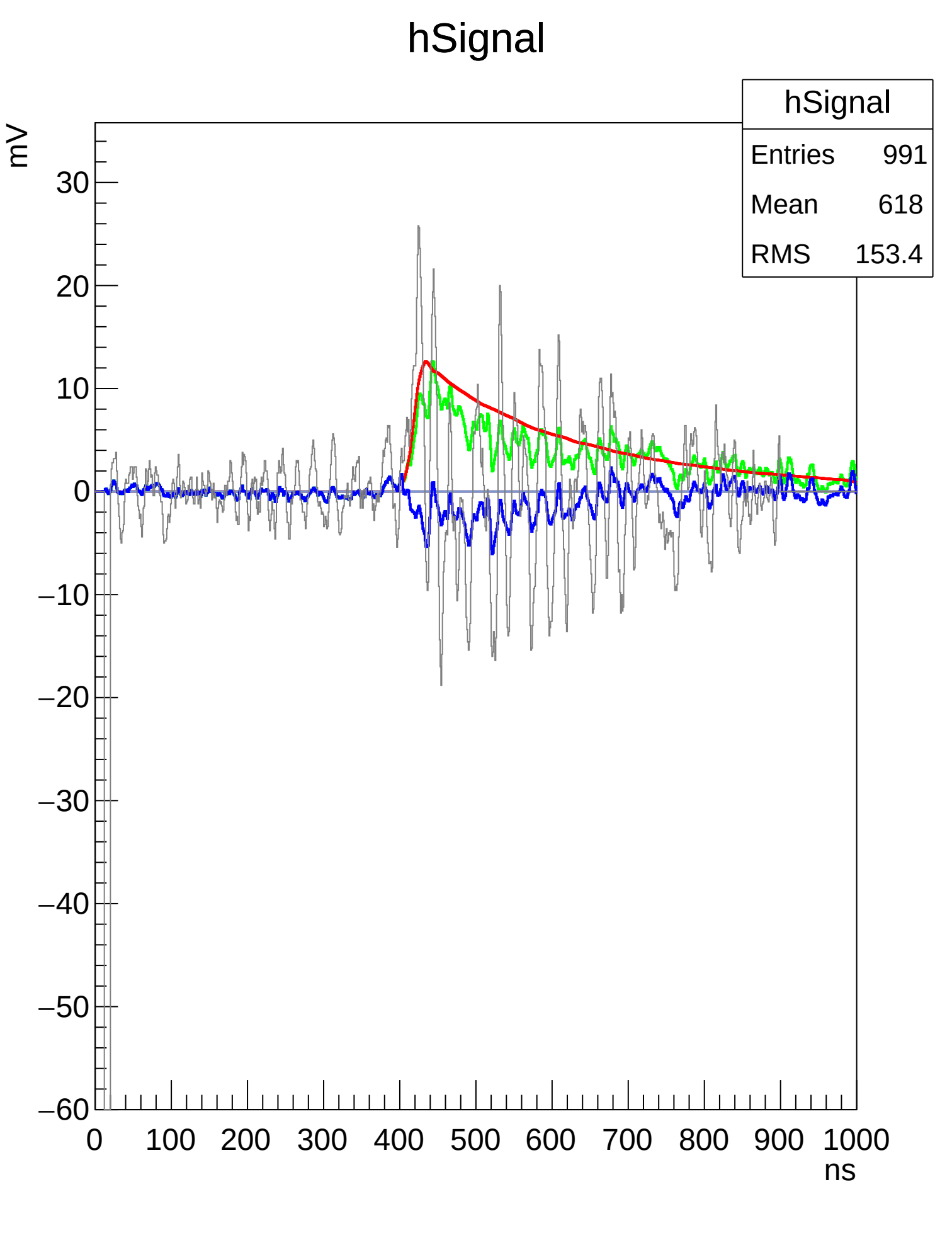
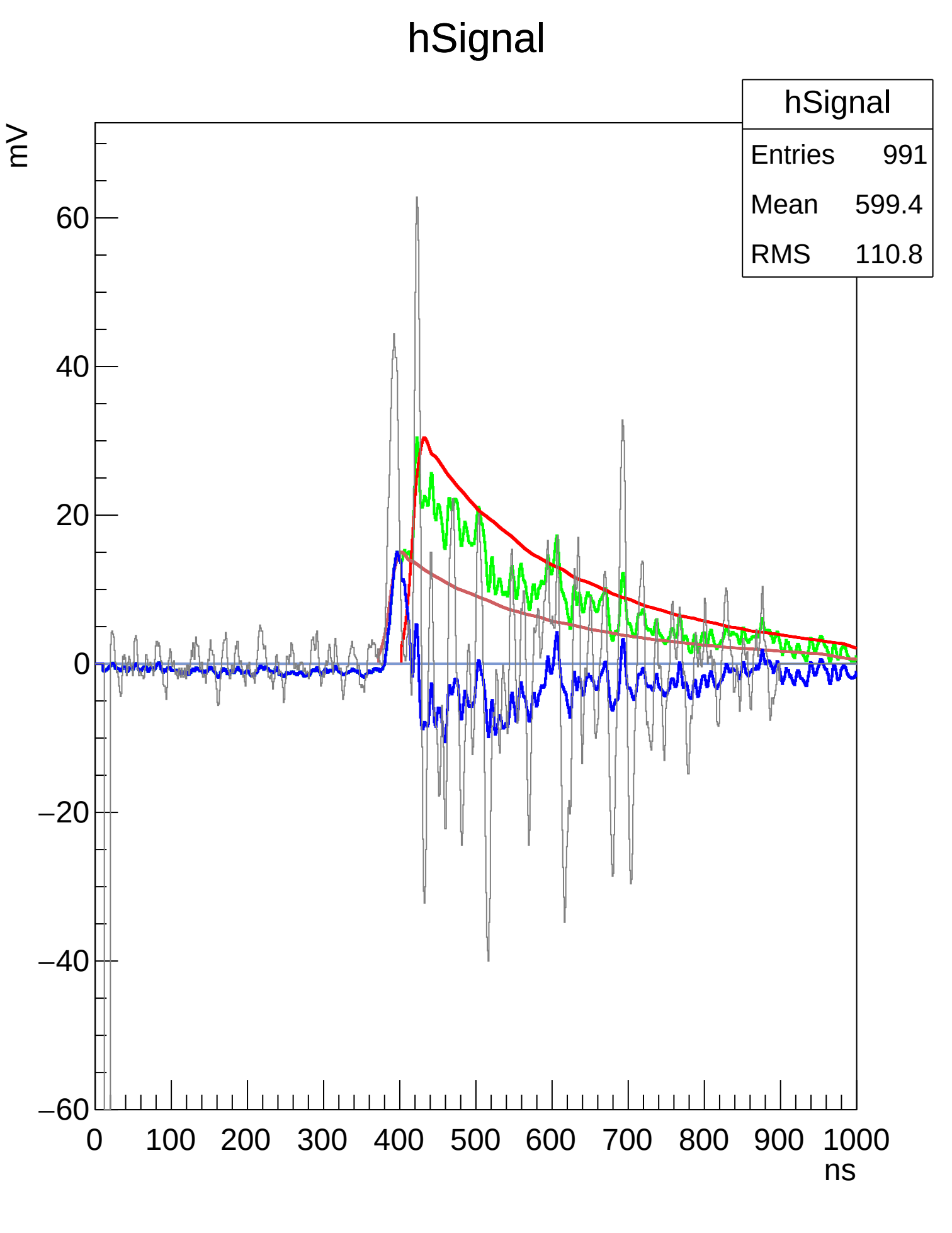
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.5
RMS 130
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 626.3
RMS 123.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618
RMS 153.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.4
RMS 110.8
mV
60
40
20
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−20
−40
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0
100
200
300
400
500
600
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900
1000
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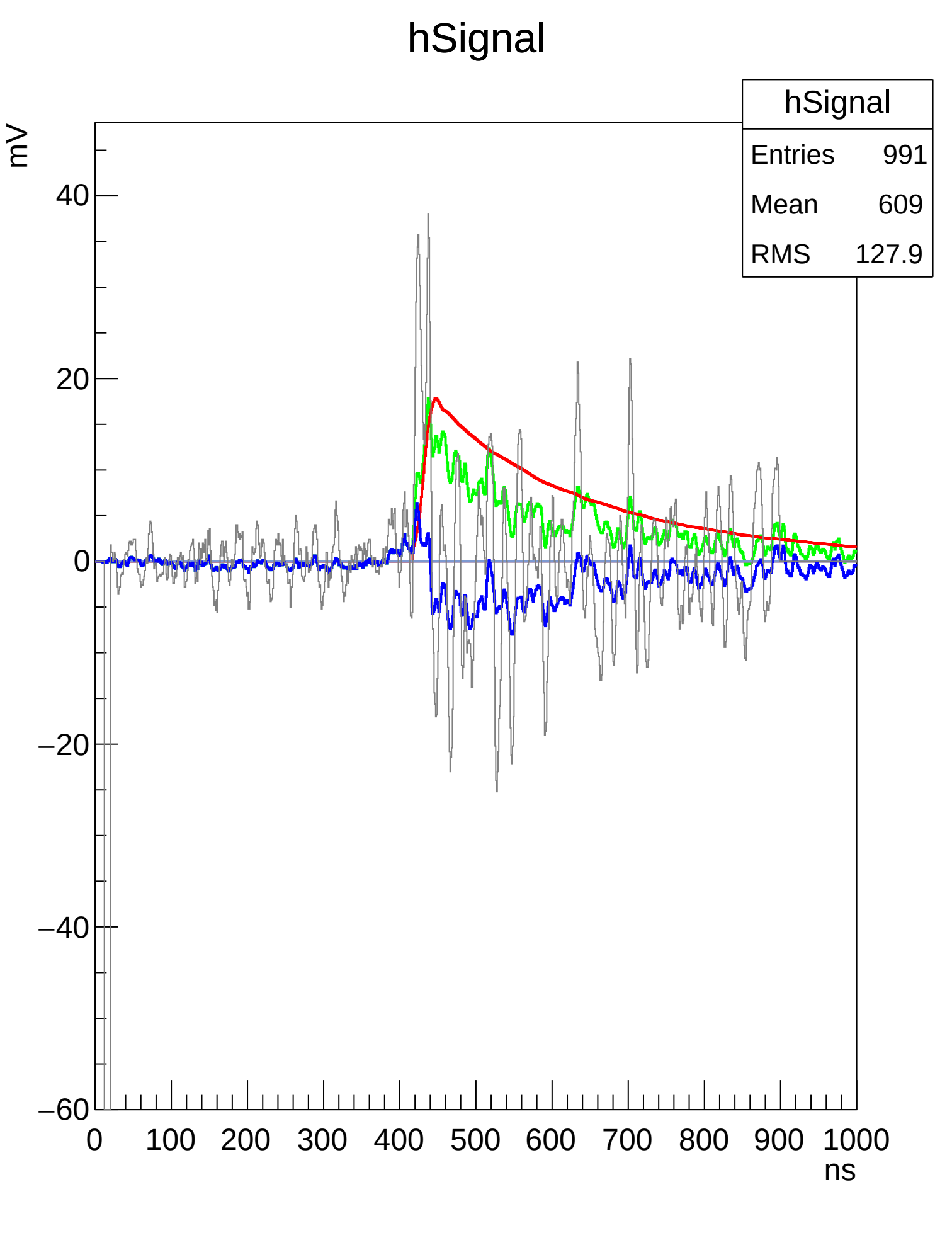
hSignal
hSignal
Entries 991
Mean 609
RMS 127.9
mV
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0
−20
−40
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0
100
200
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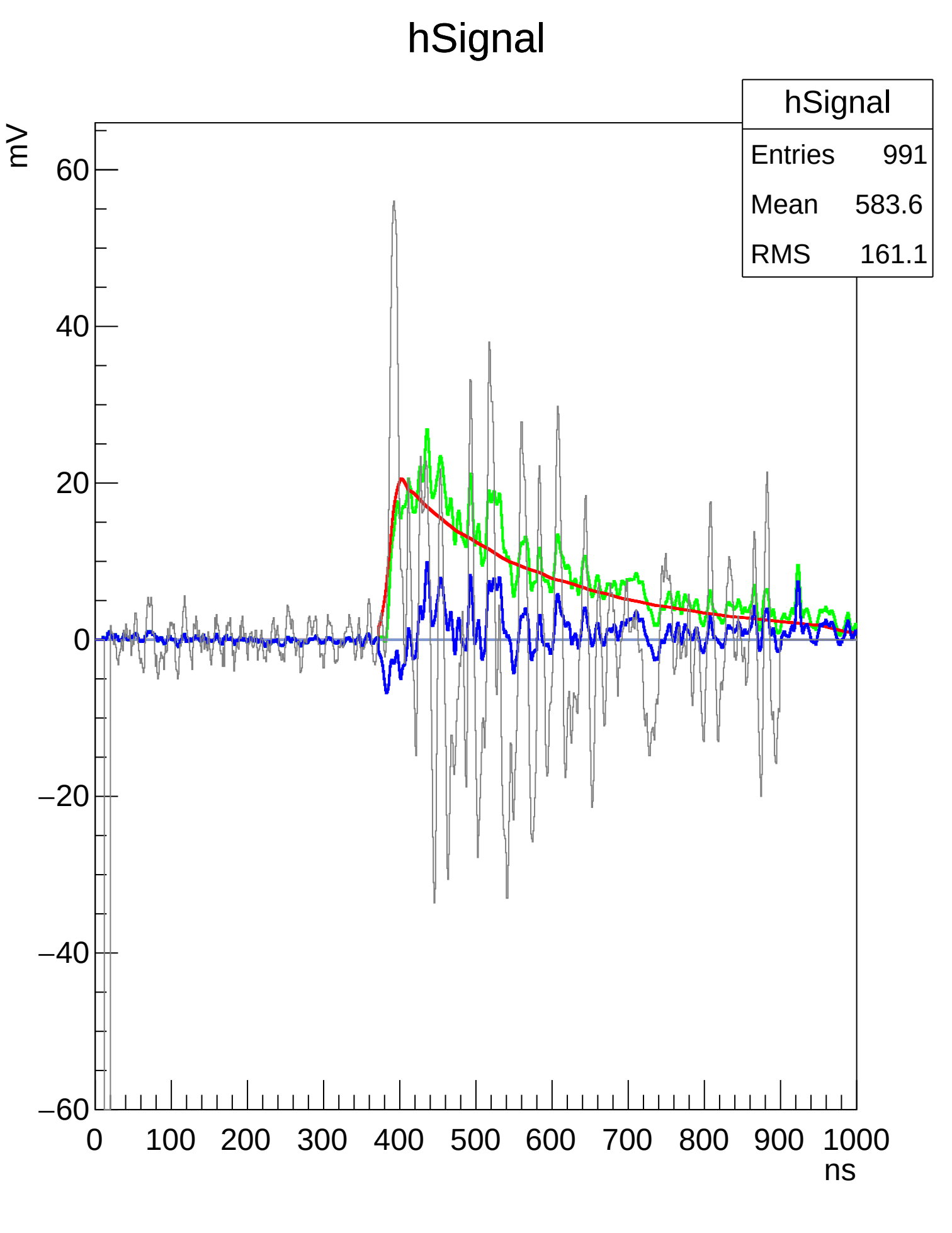
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 161.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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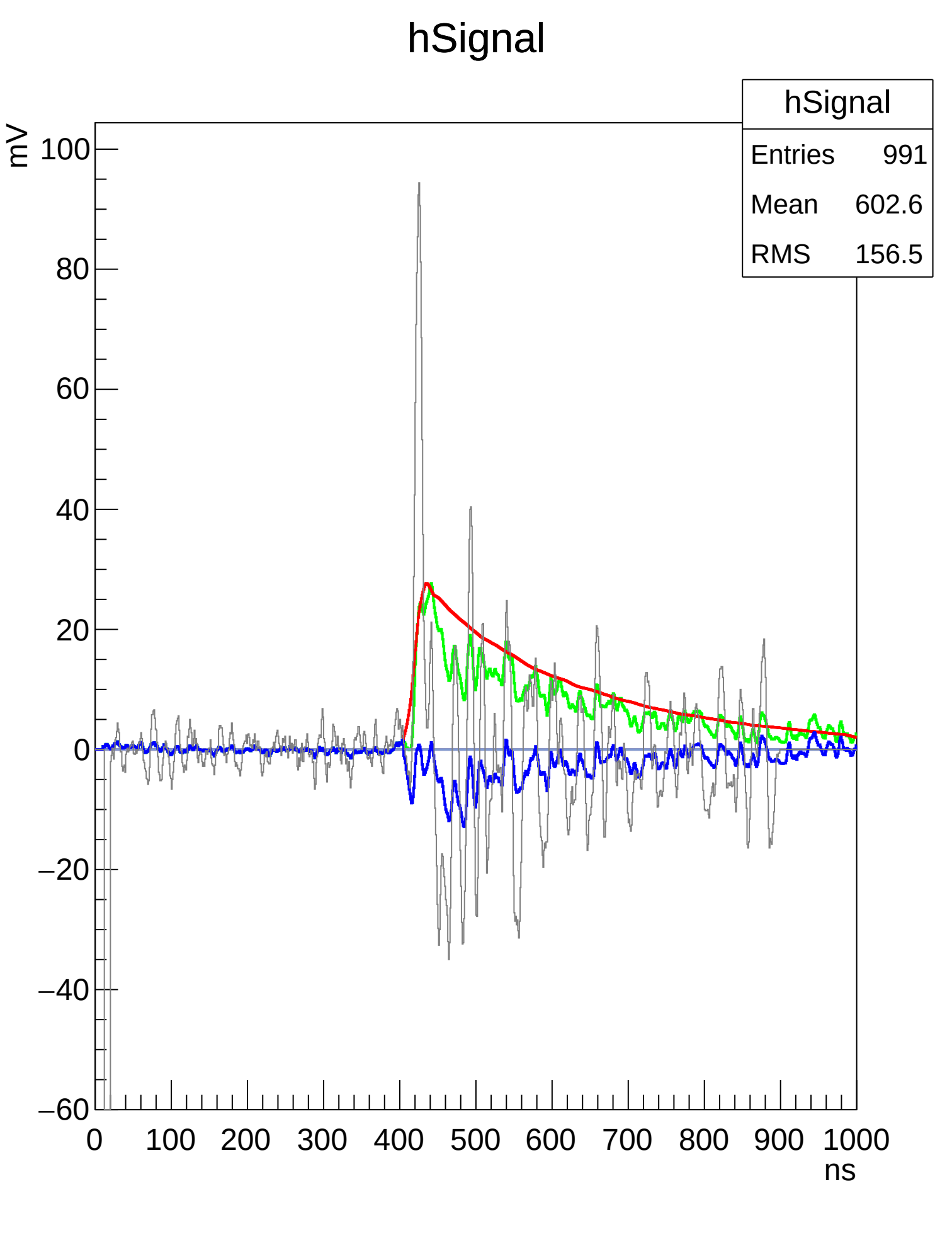
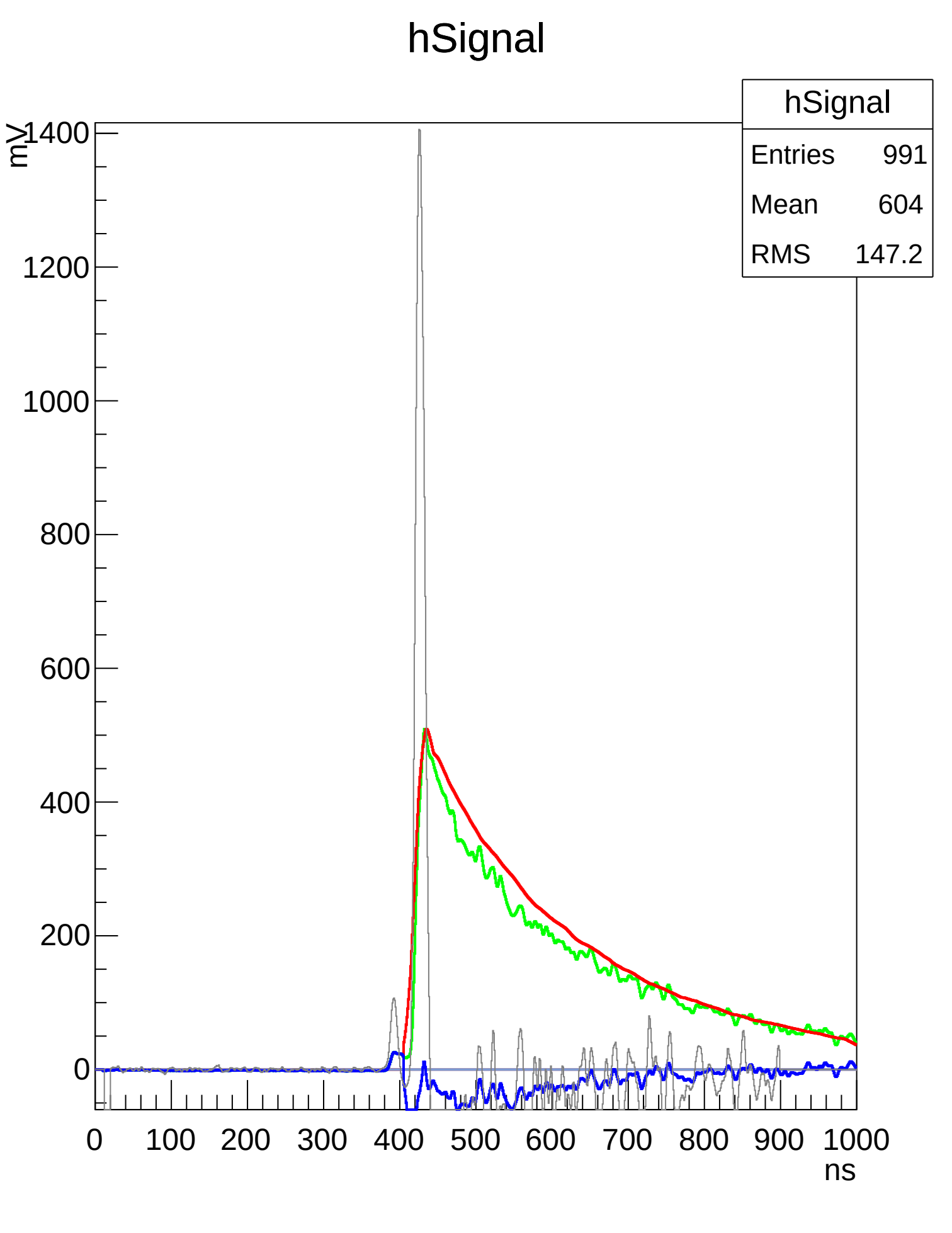
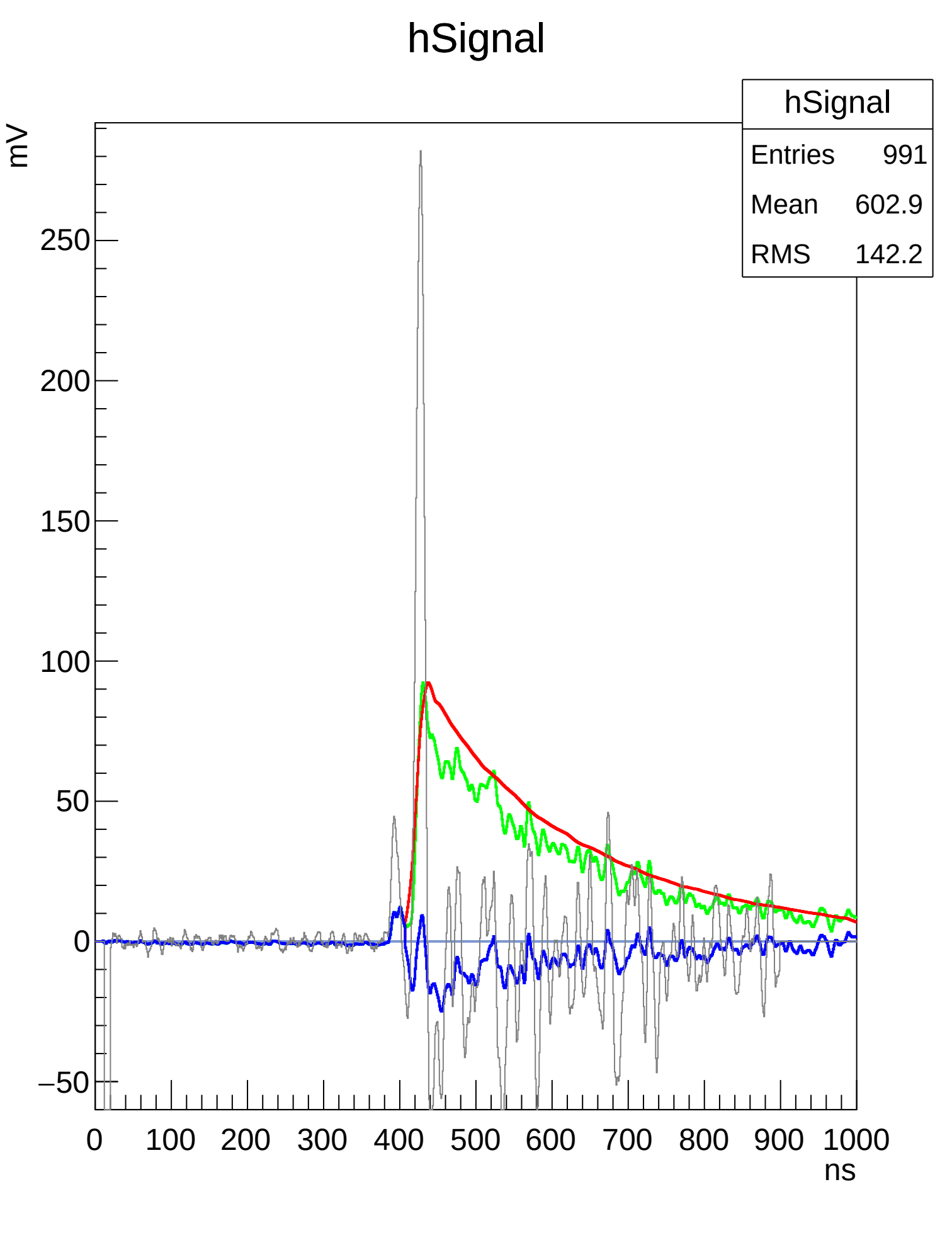
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.6
RMS 156.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604
RMS 147.2
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.9
RMS 142.2
mV
250
200
150
100
50
0
−50
0
100
200
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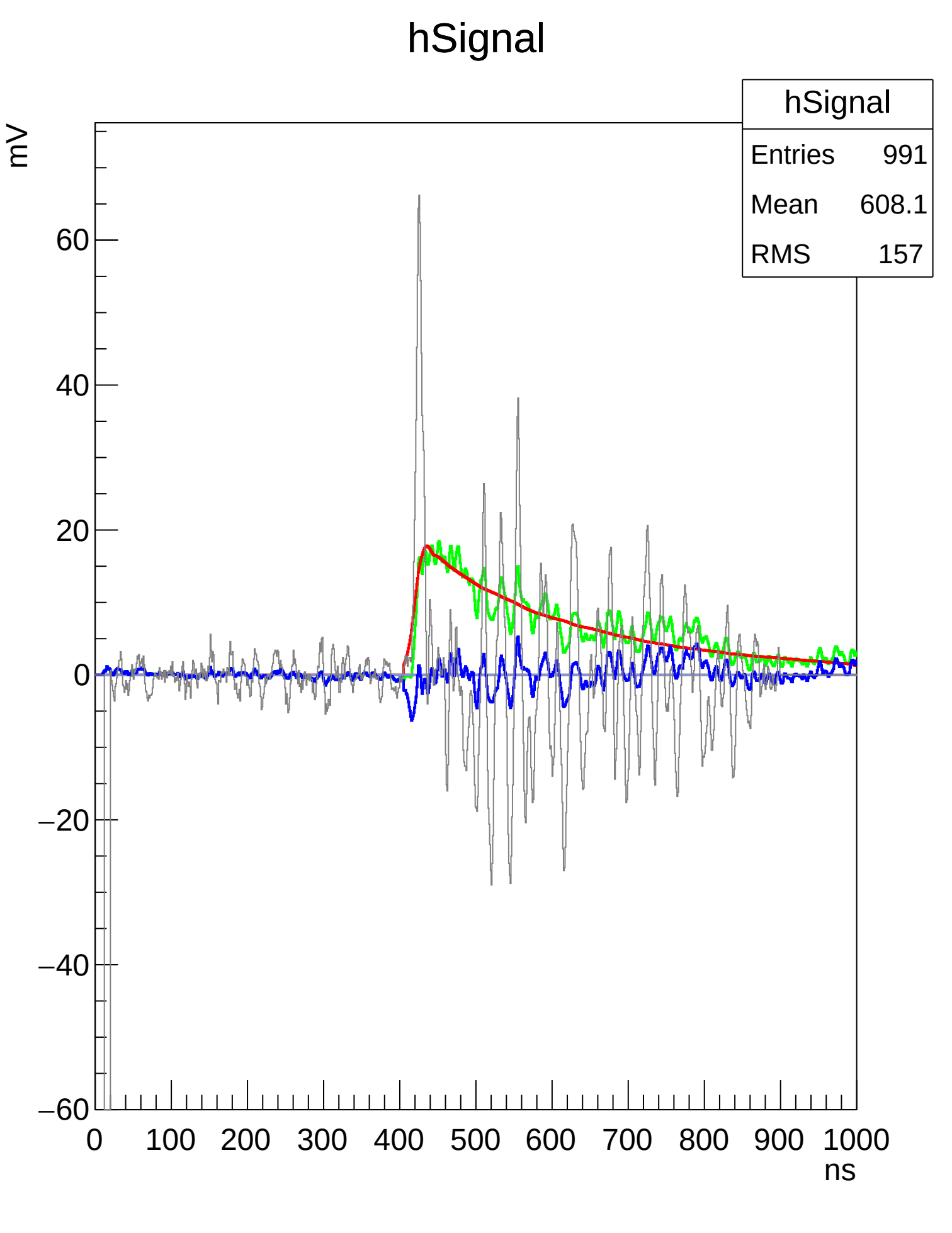
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.1
RMS 157
mV
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800
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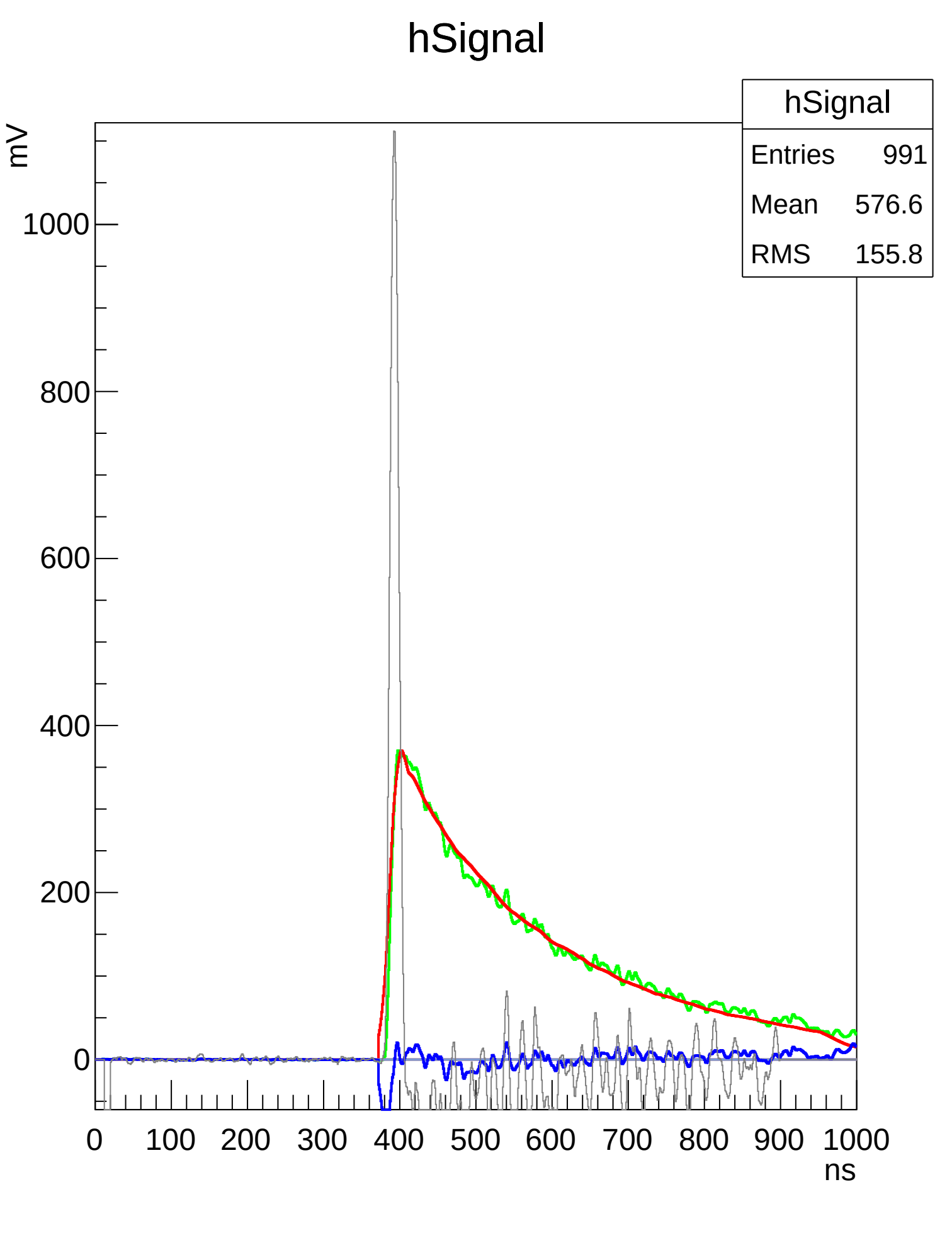
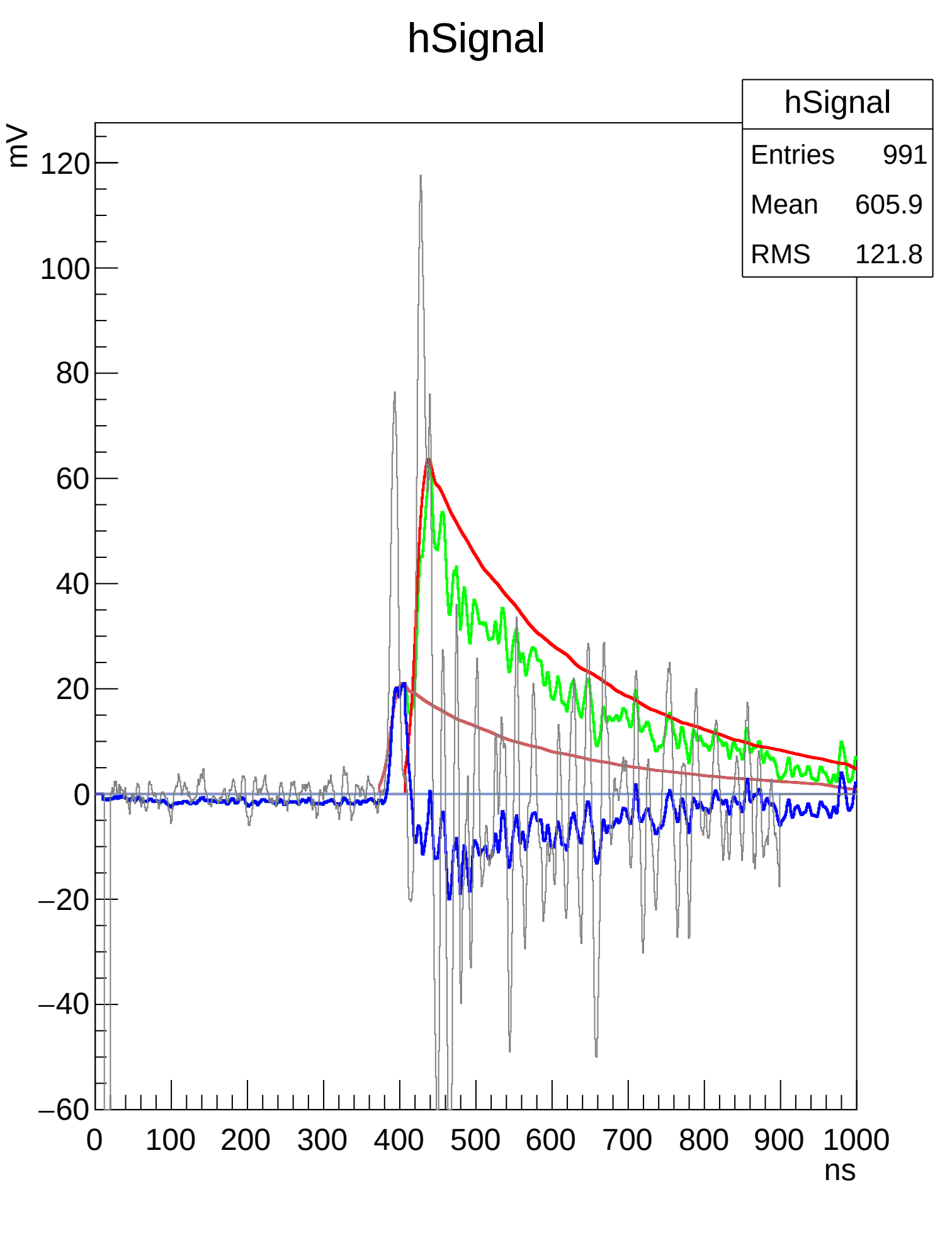
1000
ns


hSignal
hSignal
Entries 991
Mean 576.6
RMS 155.8
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 121.8
mV
120
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
500
600
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800
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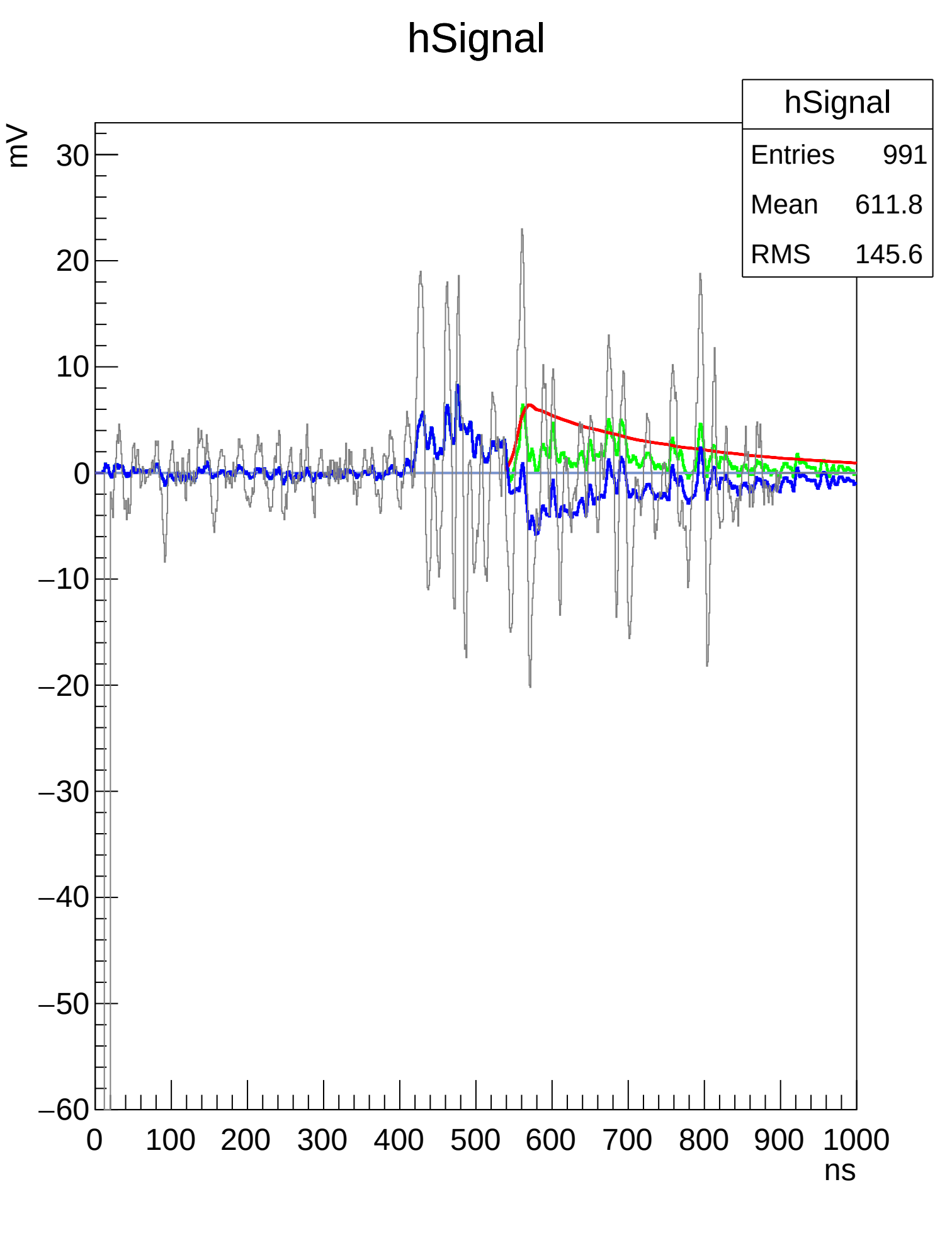
1000
ns


hSignal
hSignal
Entries 991
Mean 611.8
RMS 145.6
mV
30
20
10
0
−10
−20
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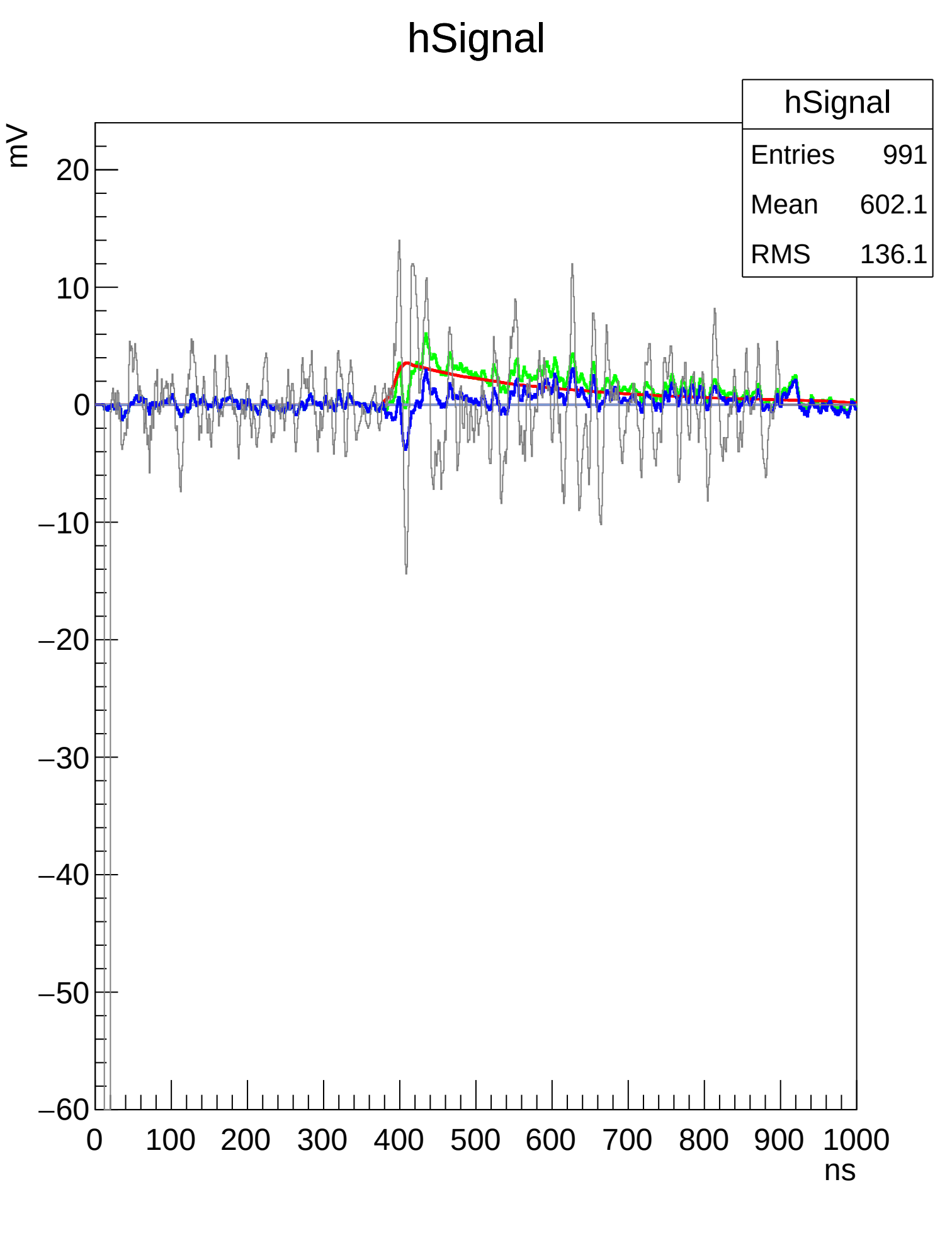
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.1
RMS 136.1
mV
20
10
0
−10
−20
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−40
−50
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700
800
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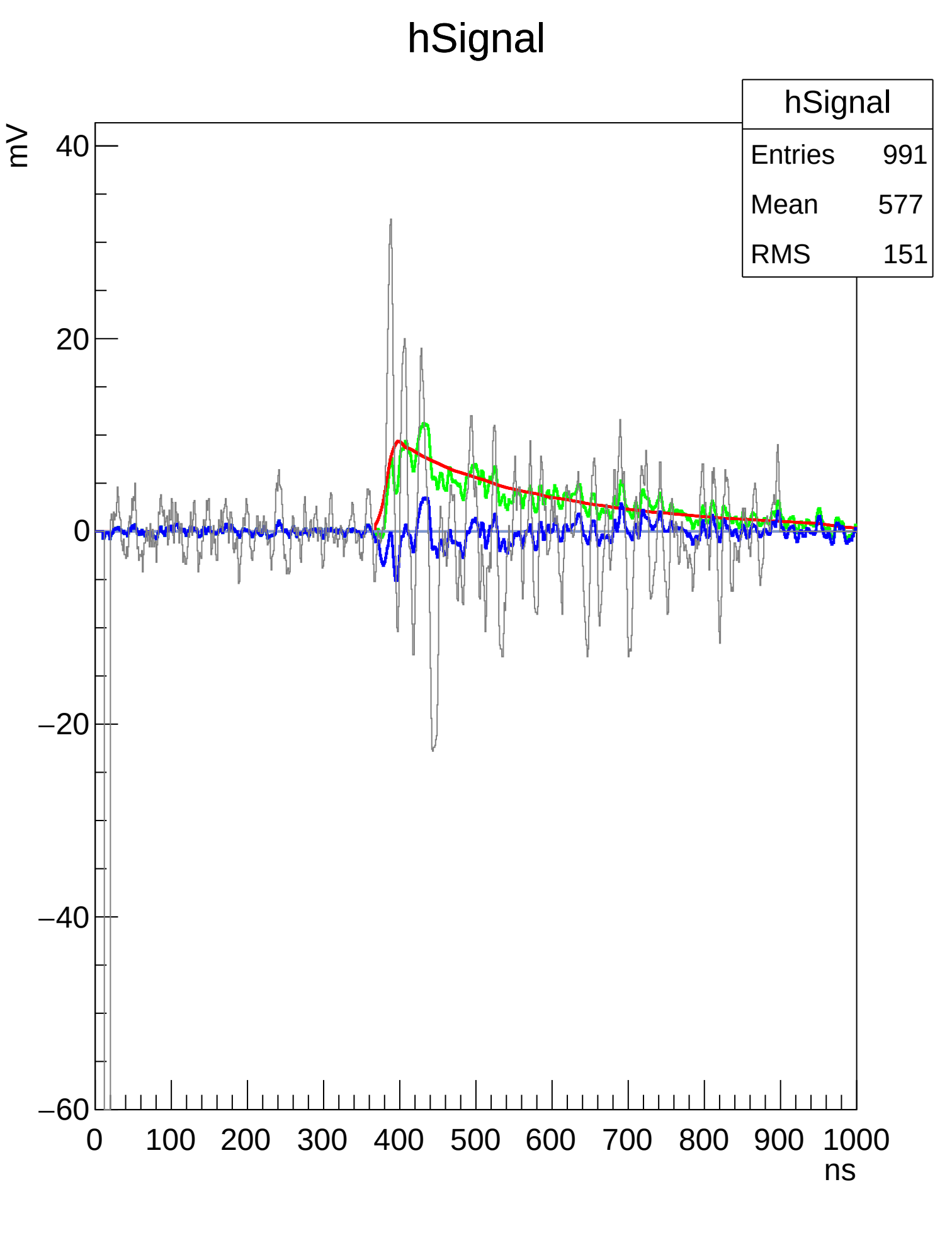
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 151
mV
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20
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−20
−40
−60
0
100
200
300
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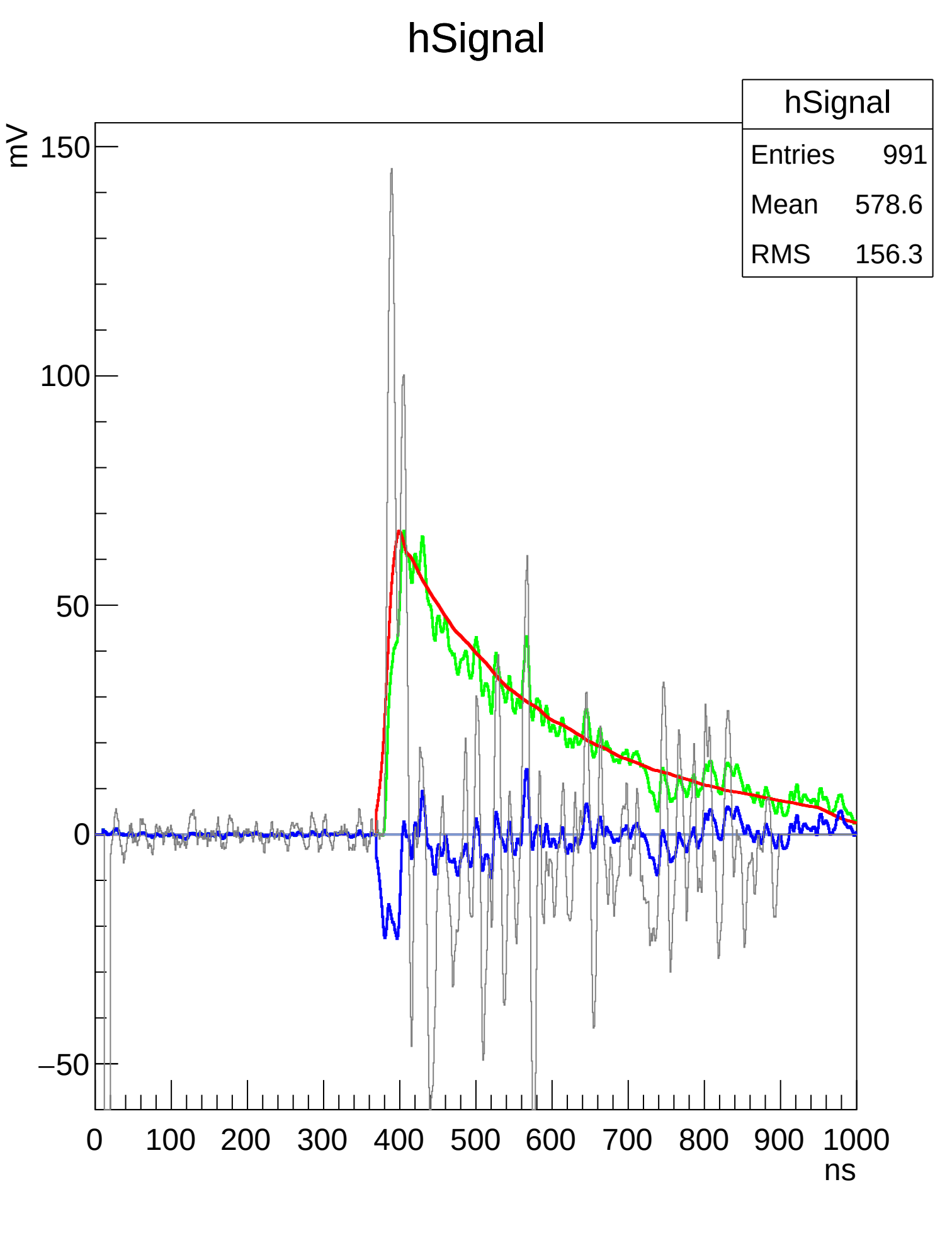
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.6
RMS 156.3
mV
150
100
50
0
−50
0
100
200
300
400
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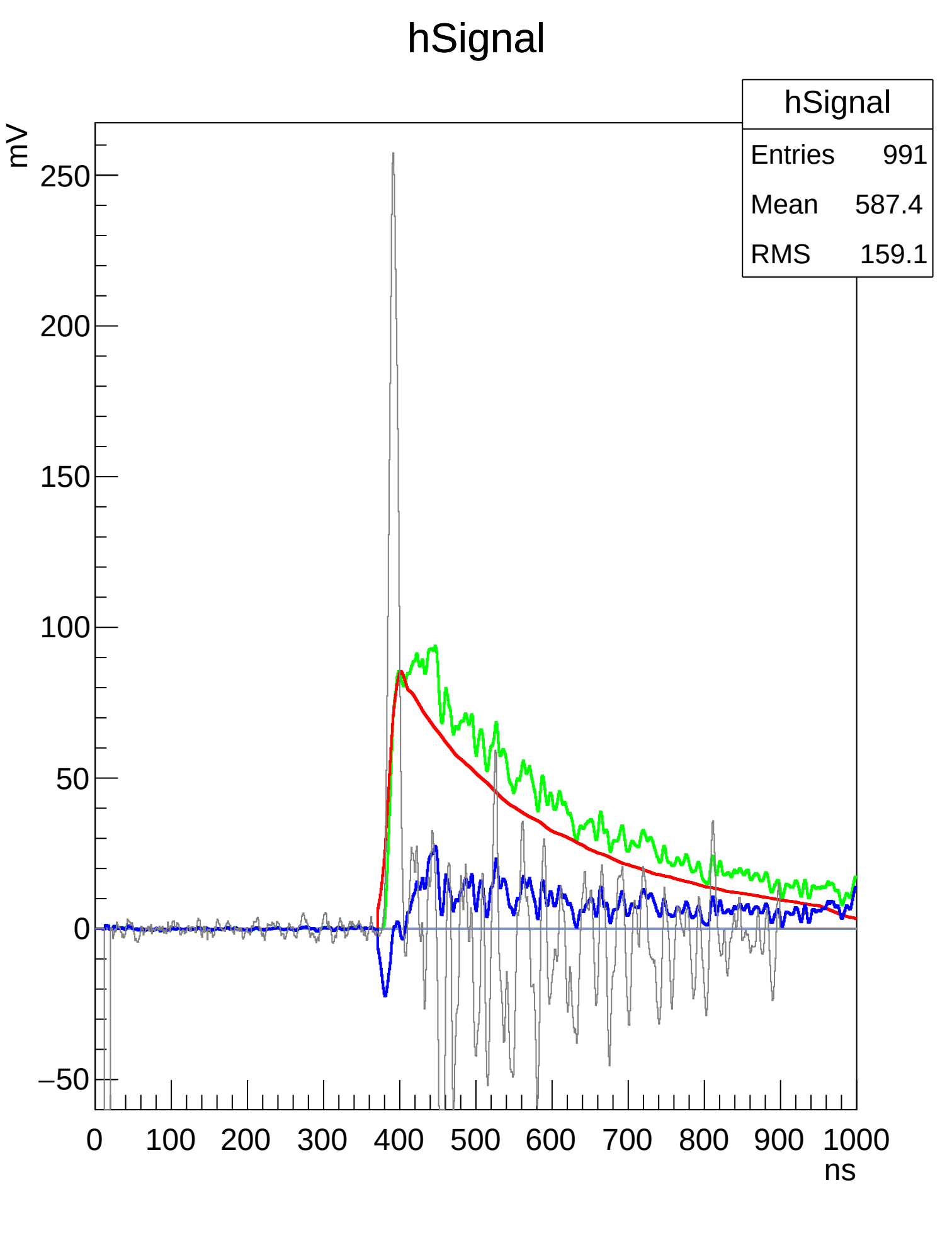
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.4
RMS 159.1
mV
250
200
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100
50
0
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0
100
200
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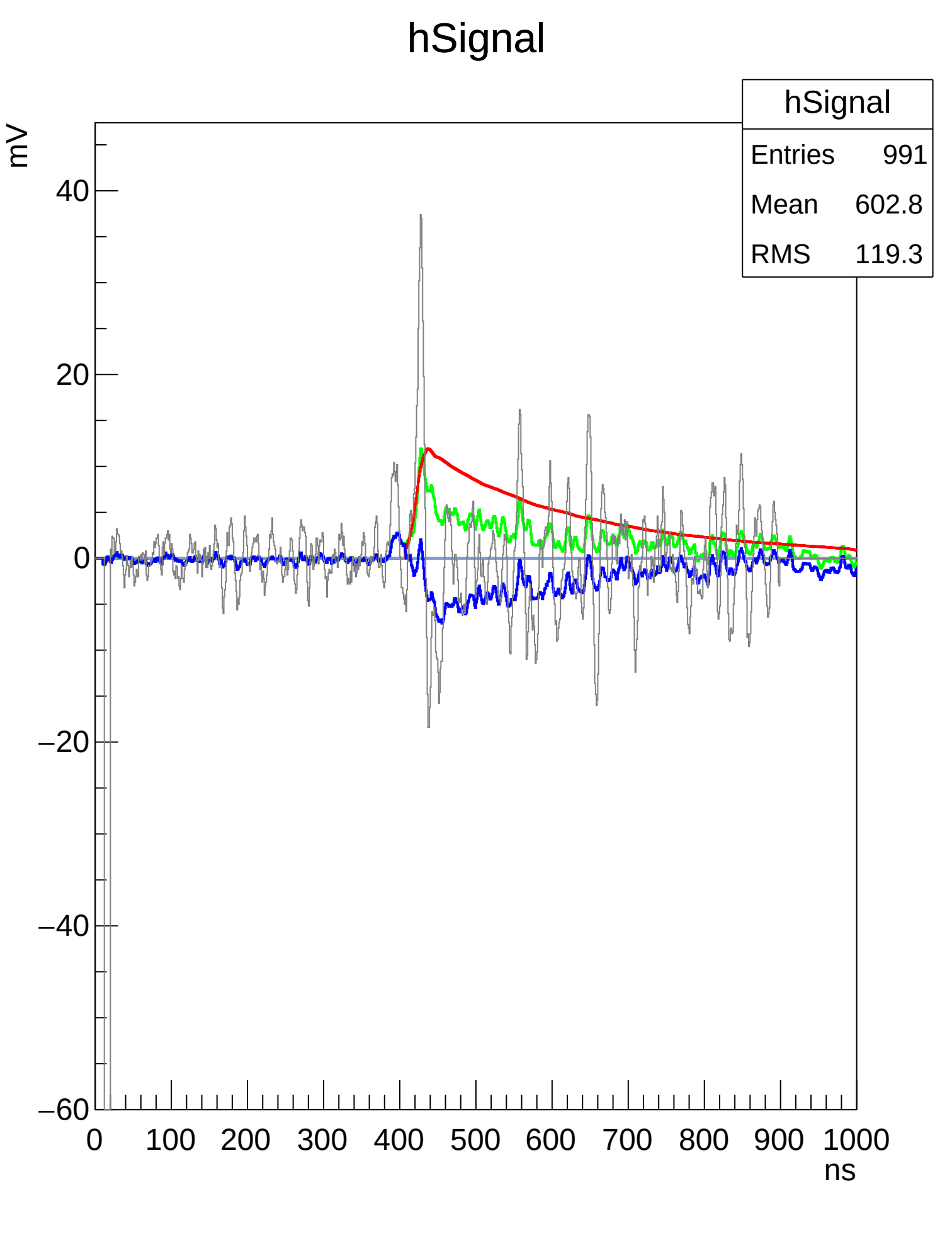
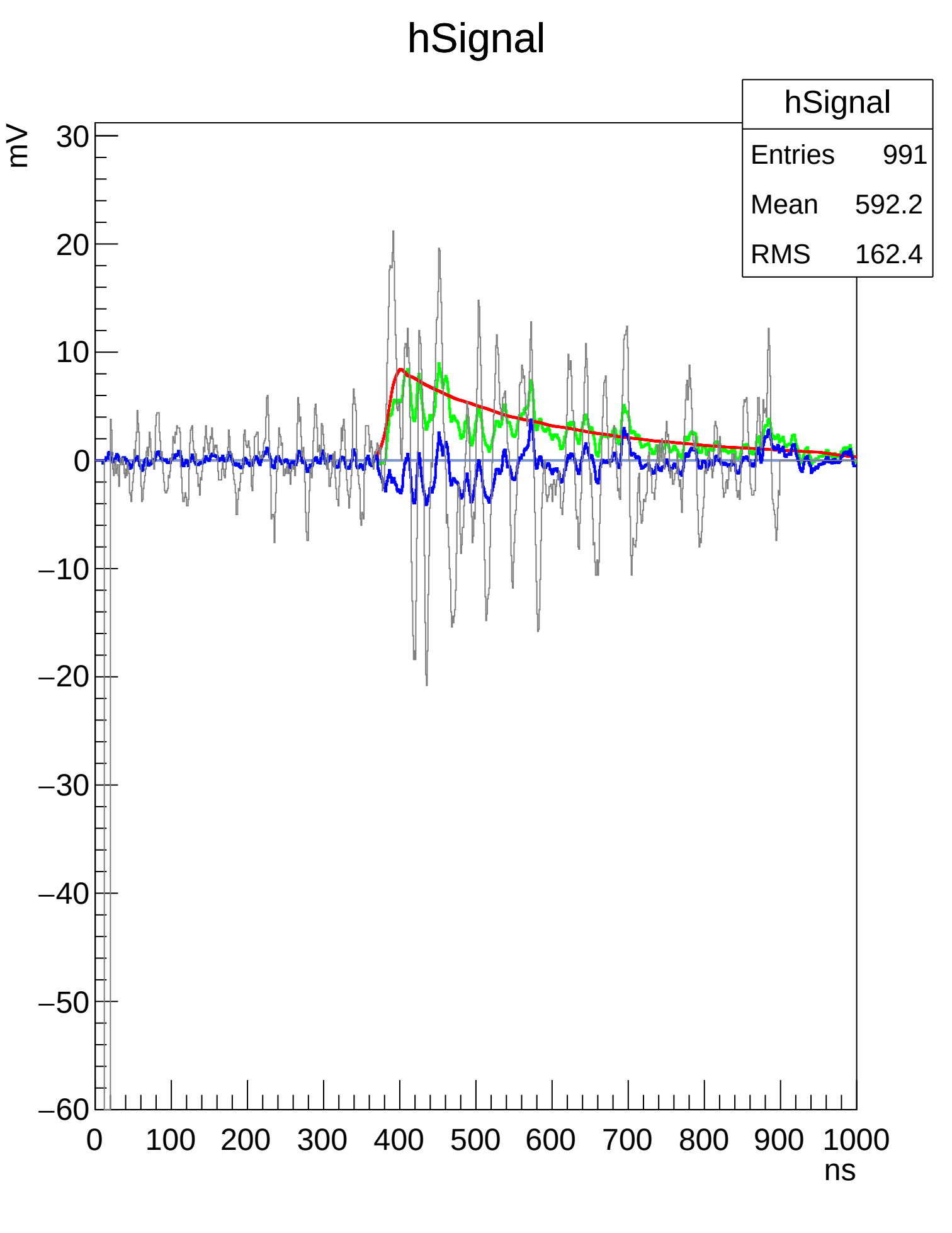
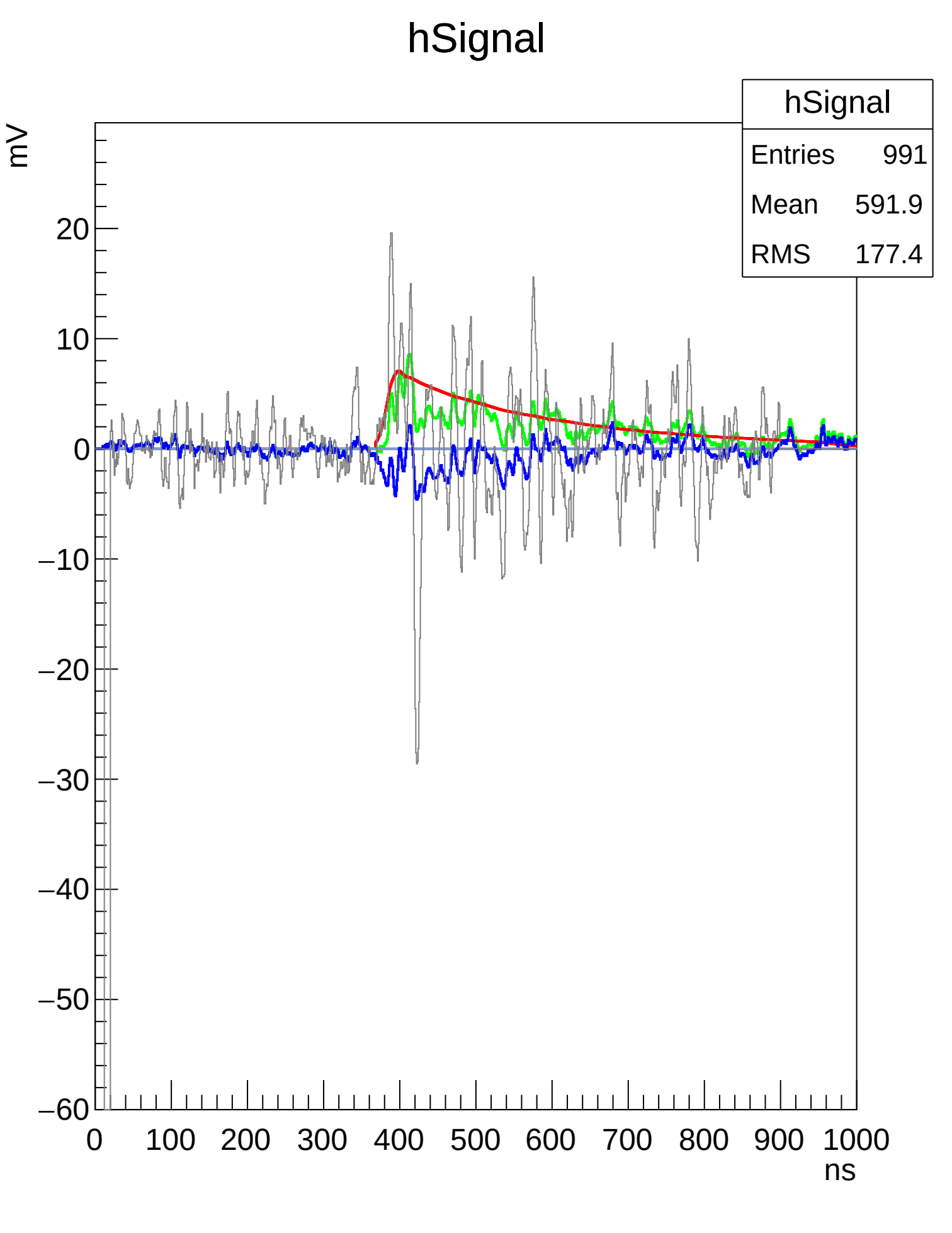
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.8
RMS 119.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.2
RMS 162.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.9
RMS 177.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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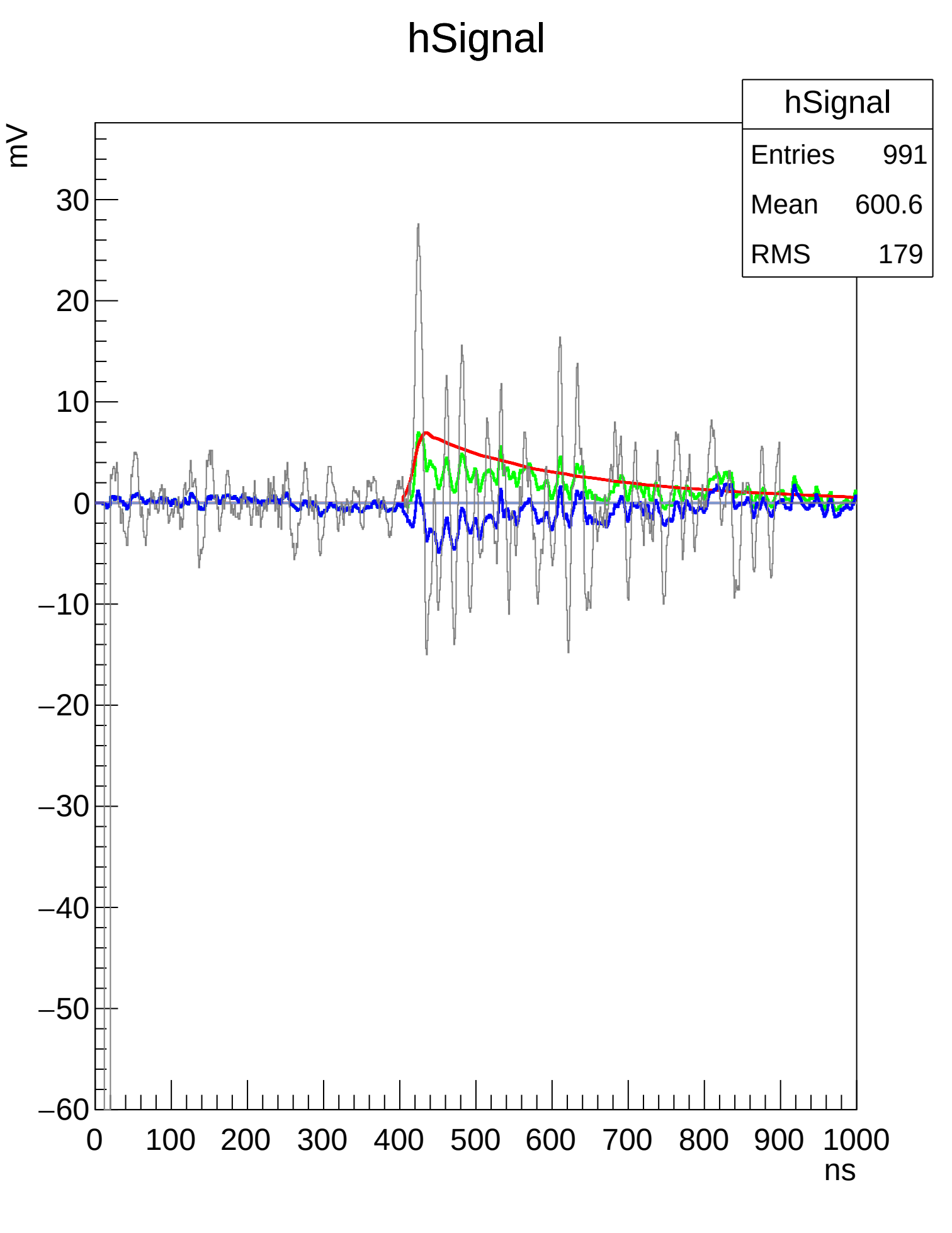
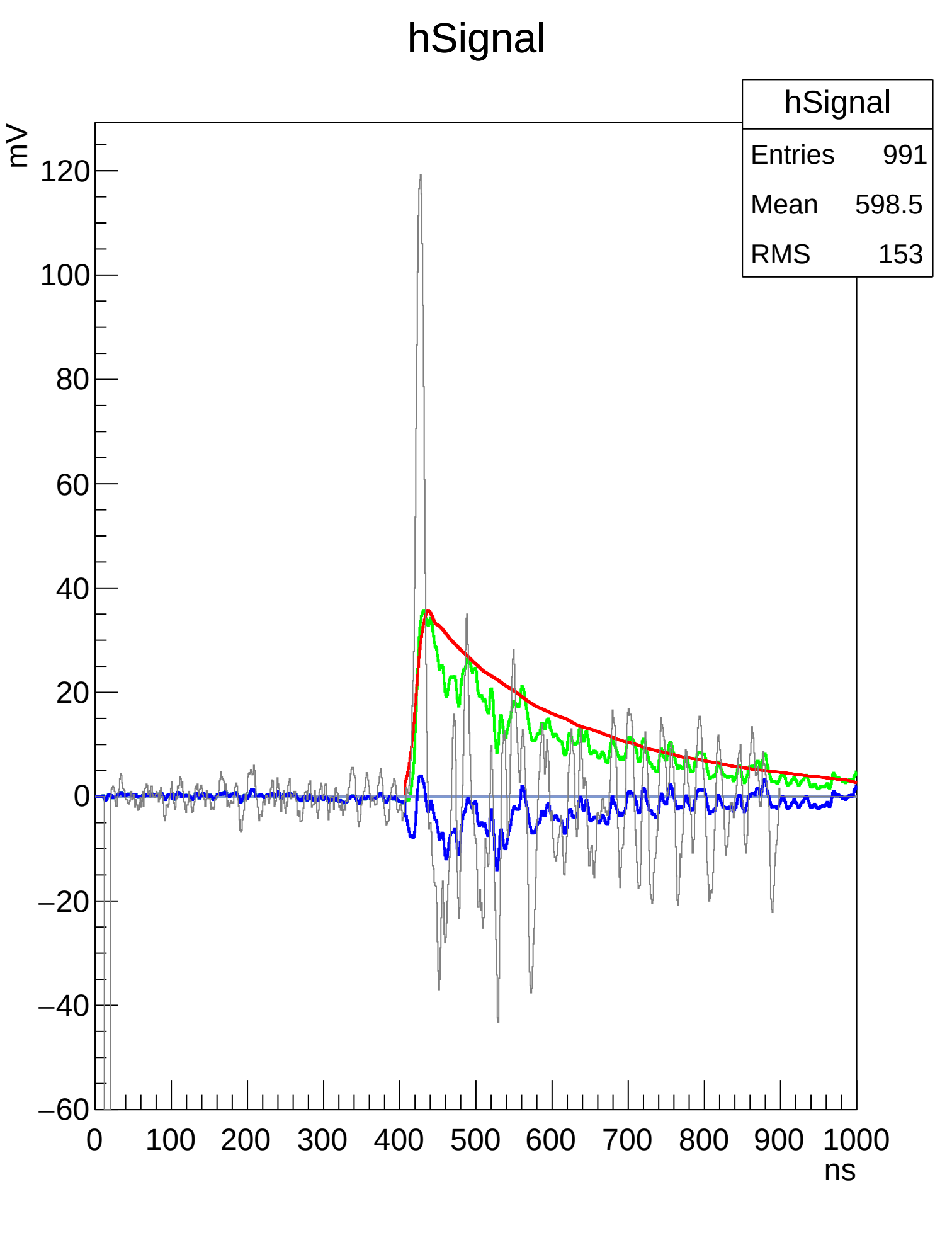
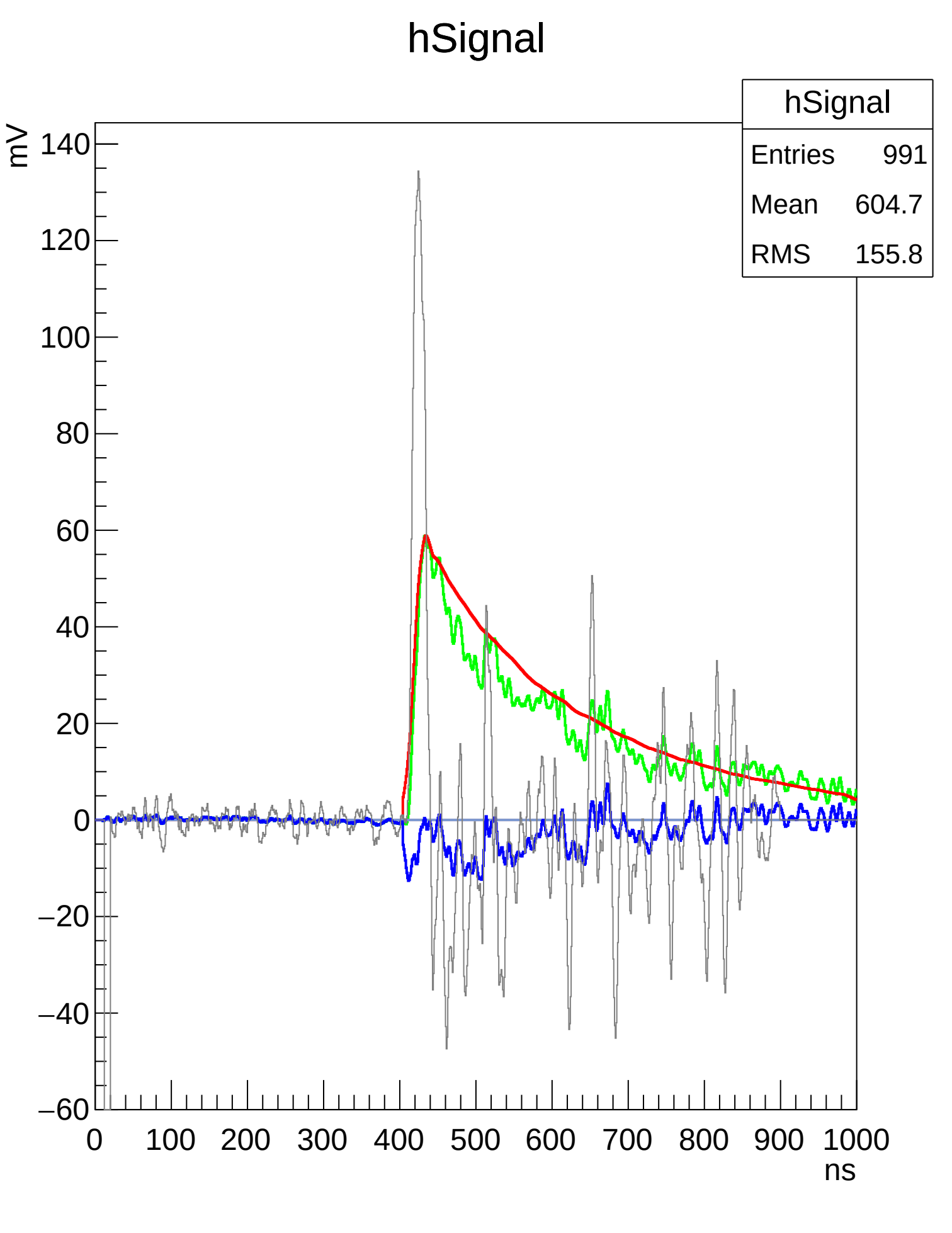
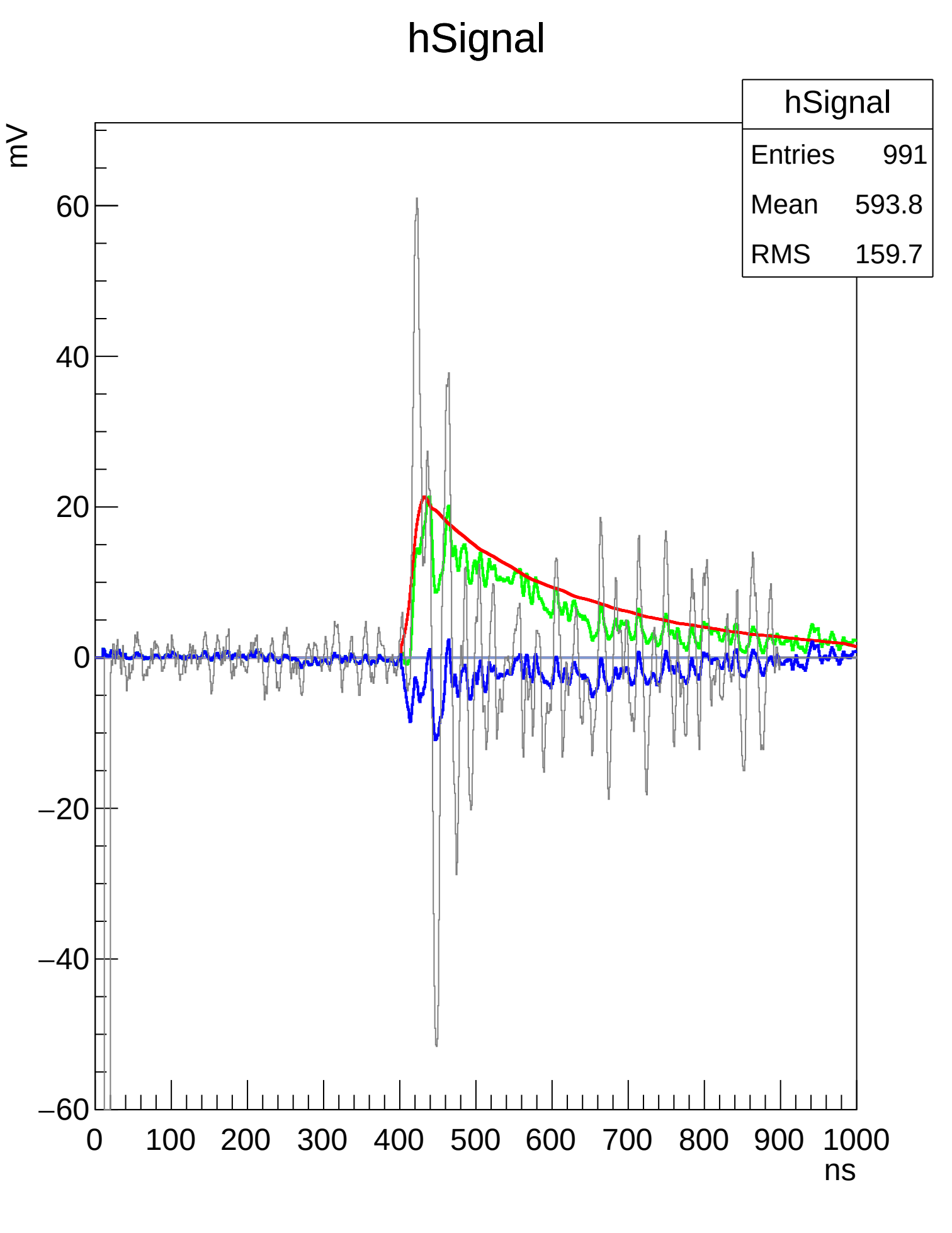
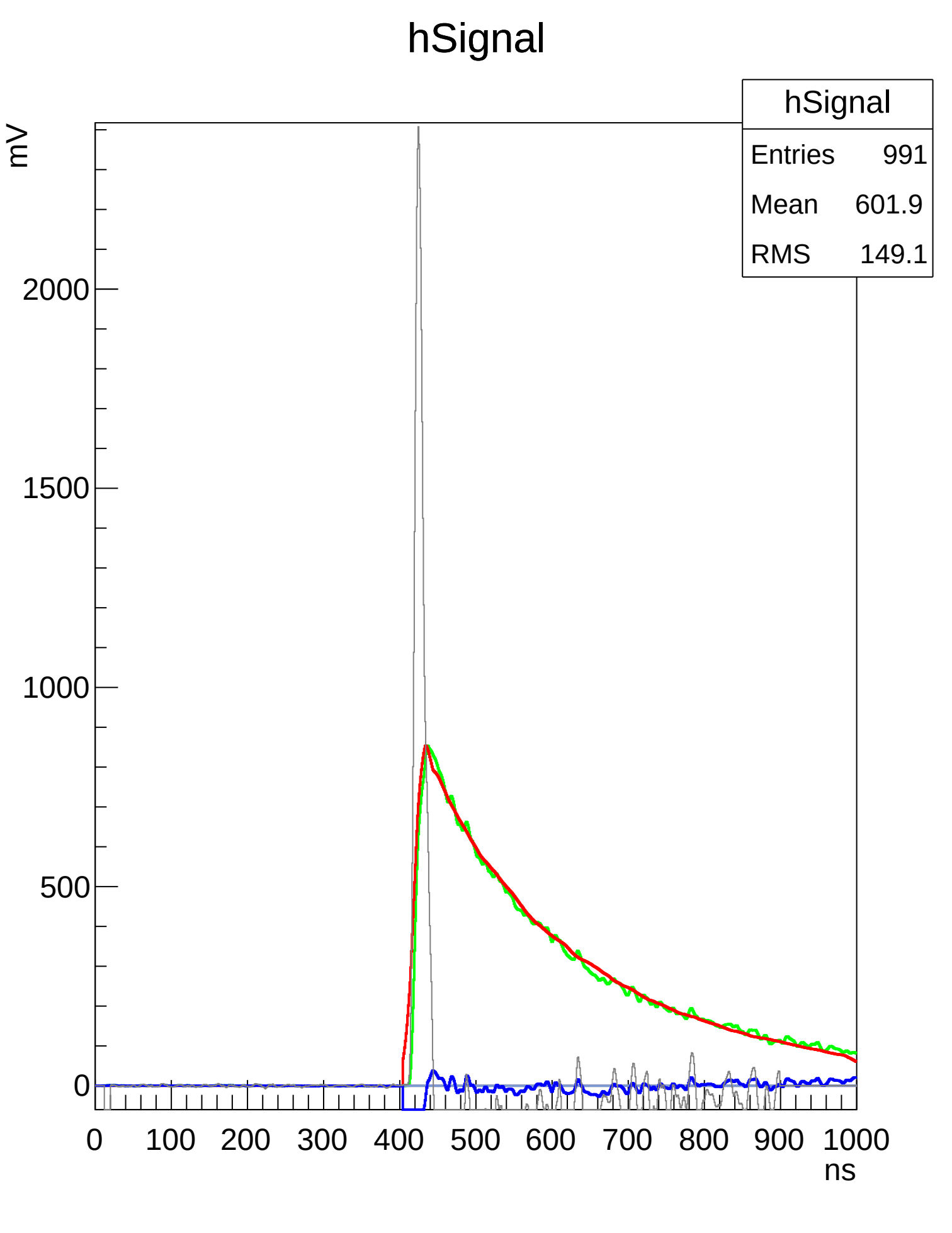
800
900
1000
ns

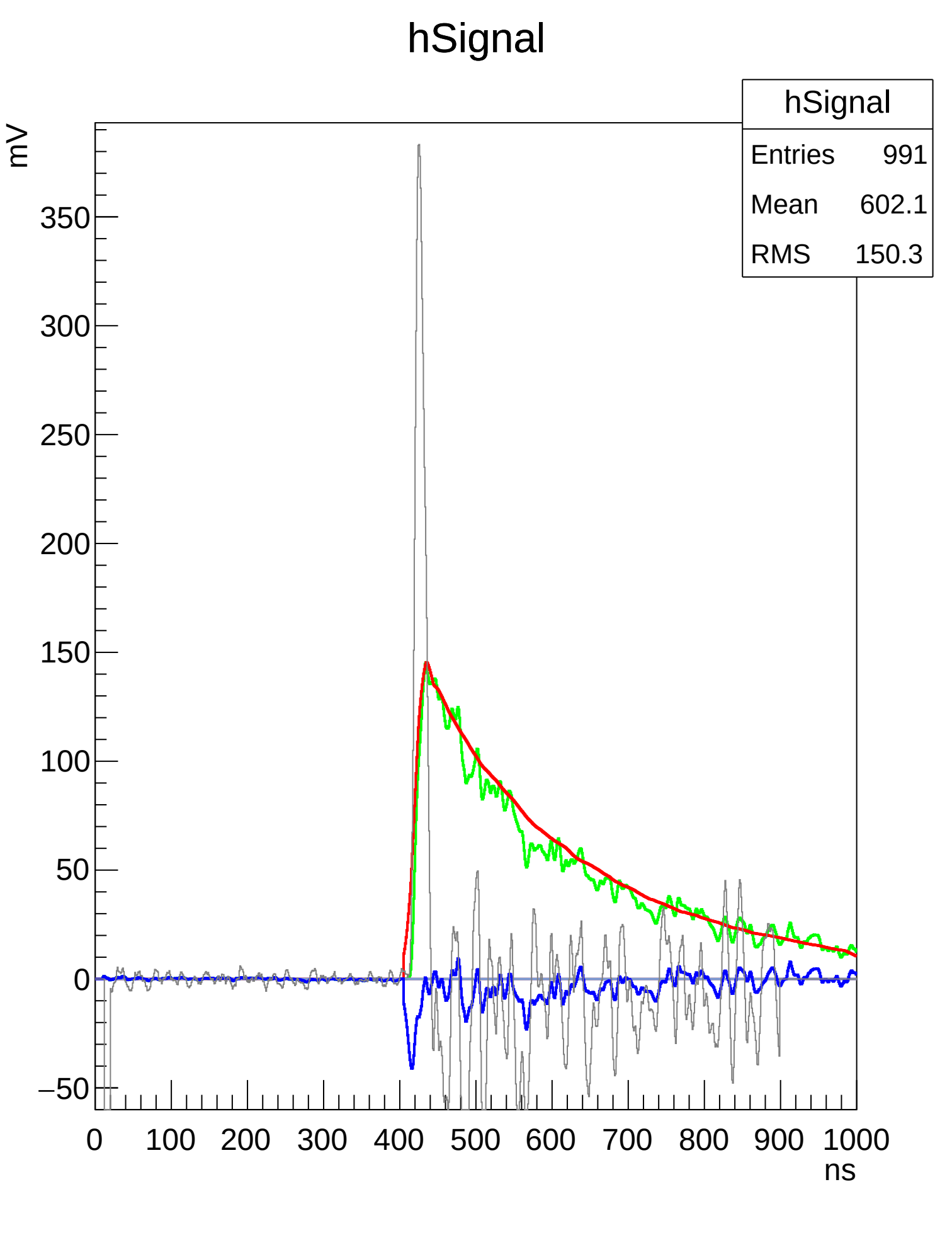

hSignal
hSignal
Entries 991
Mean 600.6
RMS 179
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

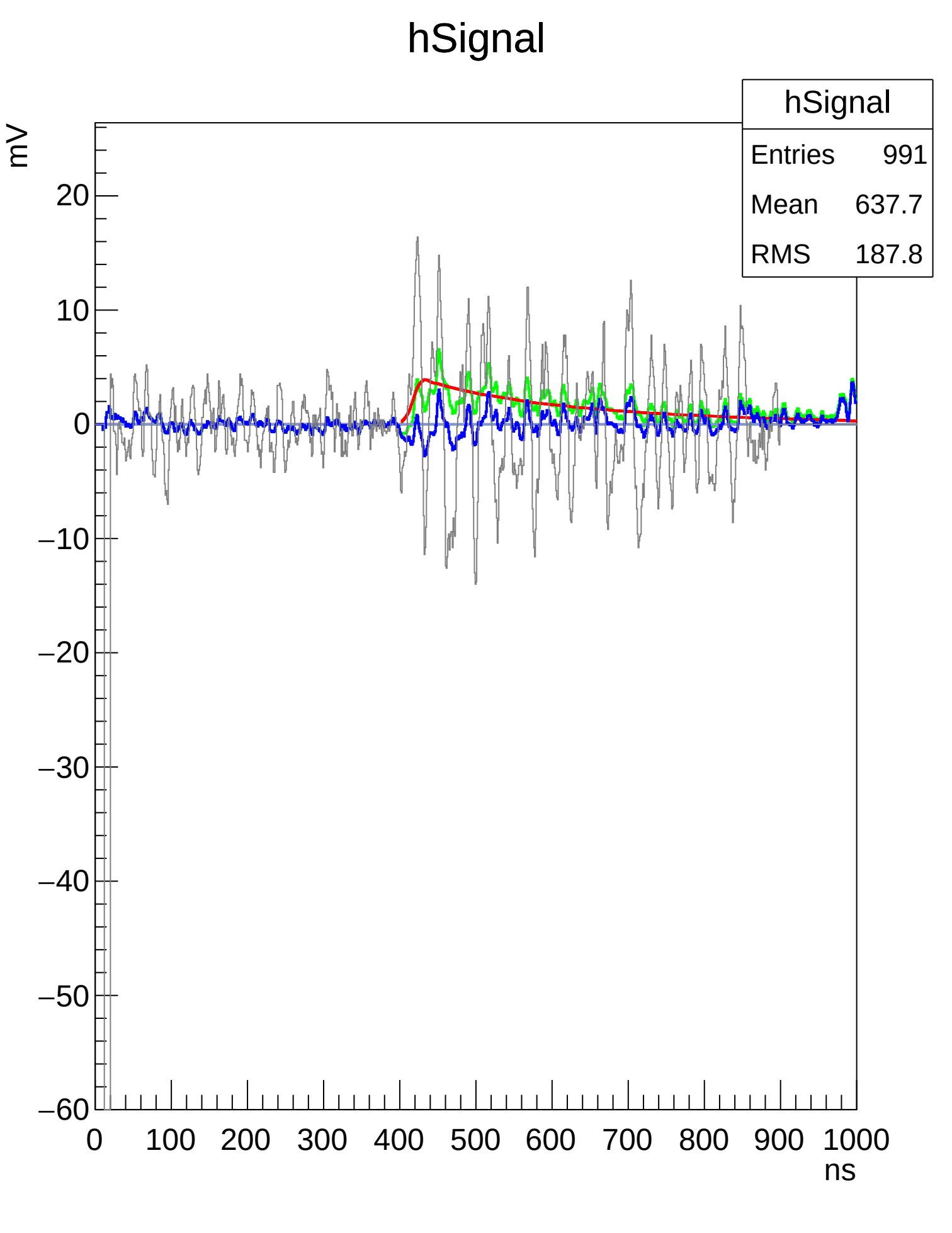

hSignal
hSignal
Entries 991
Mean 598.5
RMS 153
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

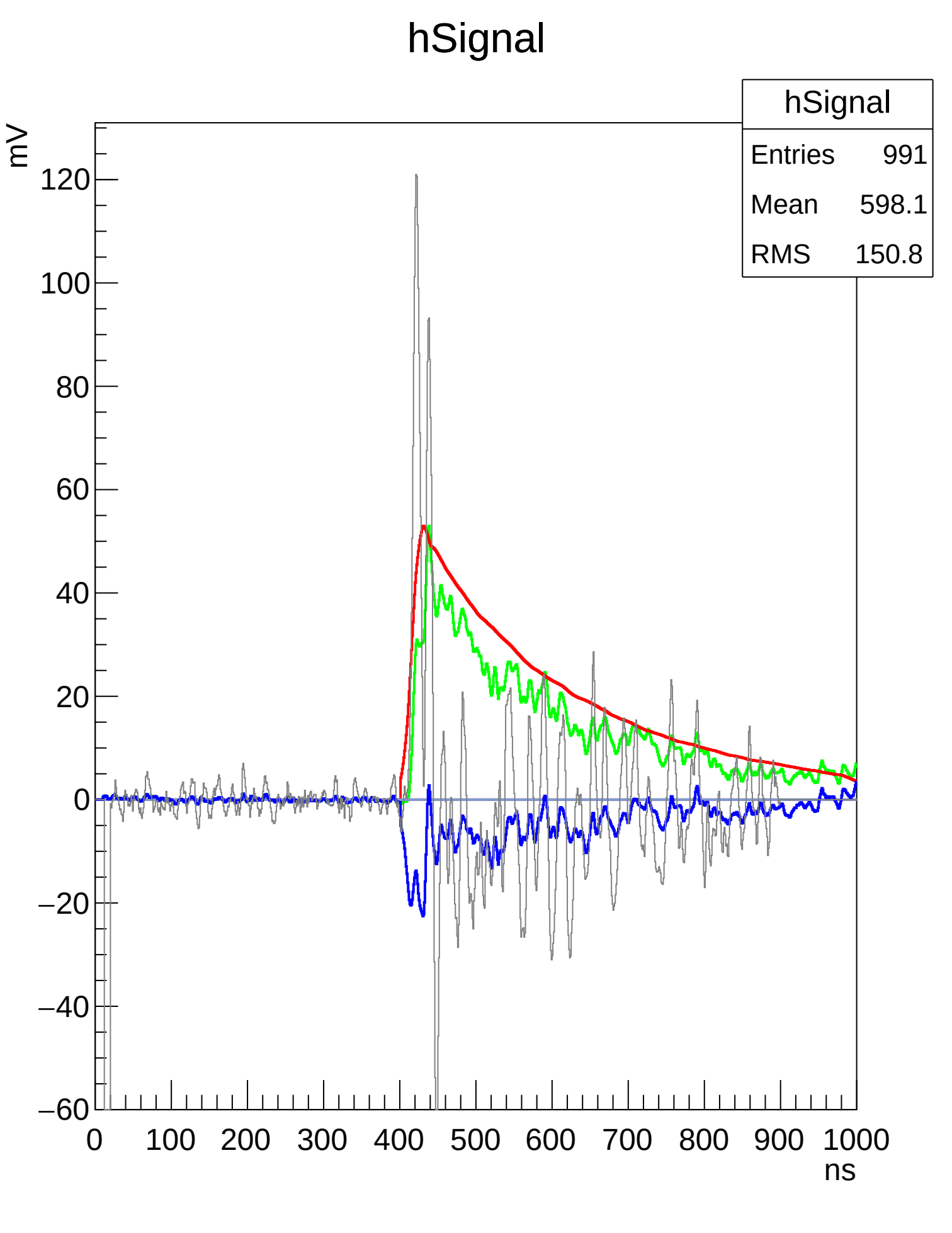

hSignal
hSignal
Entries 991
Mean 604.7
RMS 155.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

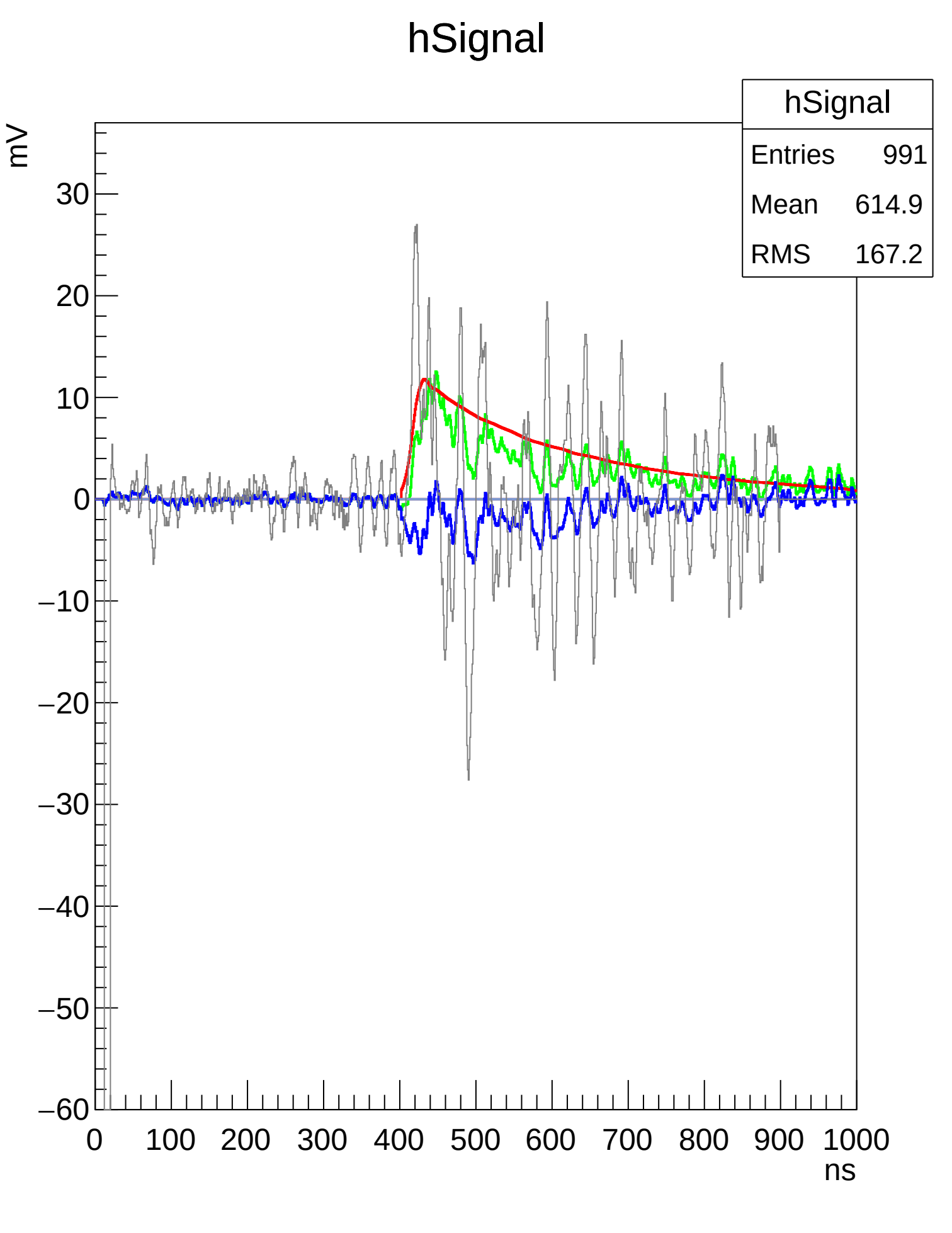

hSignal
hSignal
Entries 991
Mean 593.8
RMS 159.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

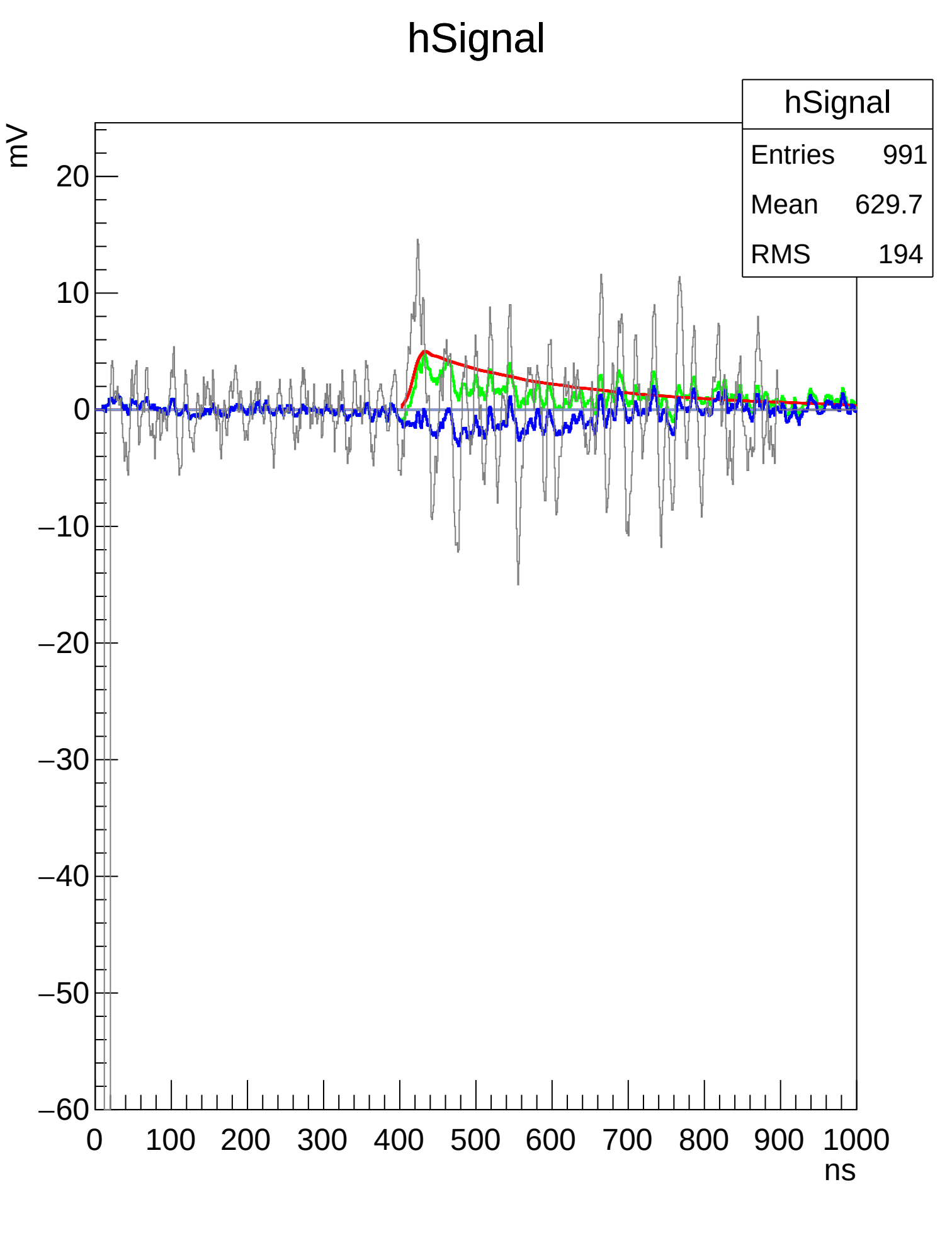

hSignal
hSignal
Entries 991
Mean 601.9
RMS 149.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.1
RMS 150.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 637.7
RMS 187.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.1
RMS 150.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.9
RMS 167.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 629.7
RMS 194
mV
20
10
0
−10
−20
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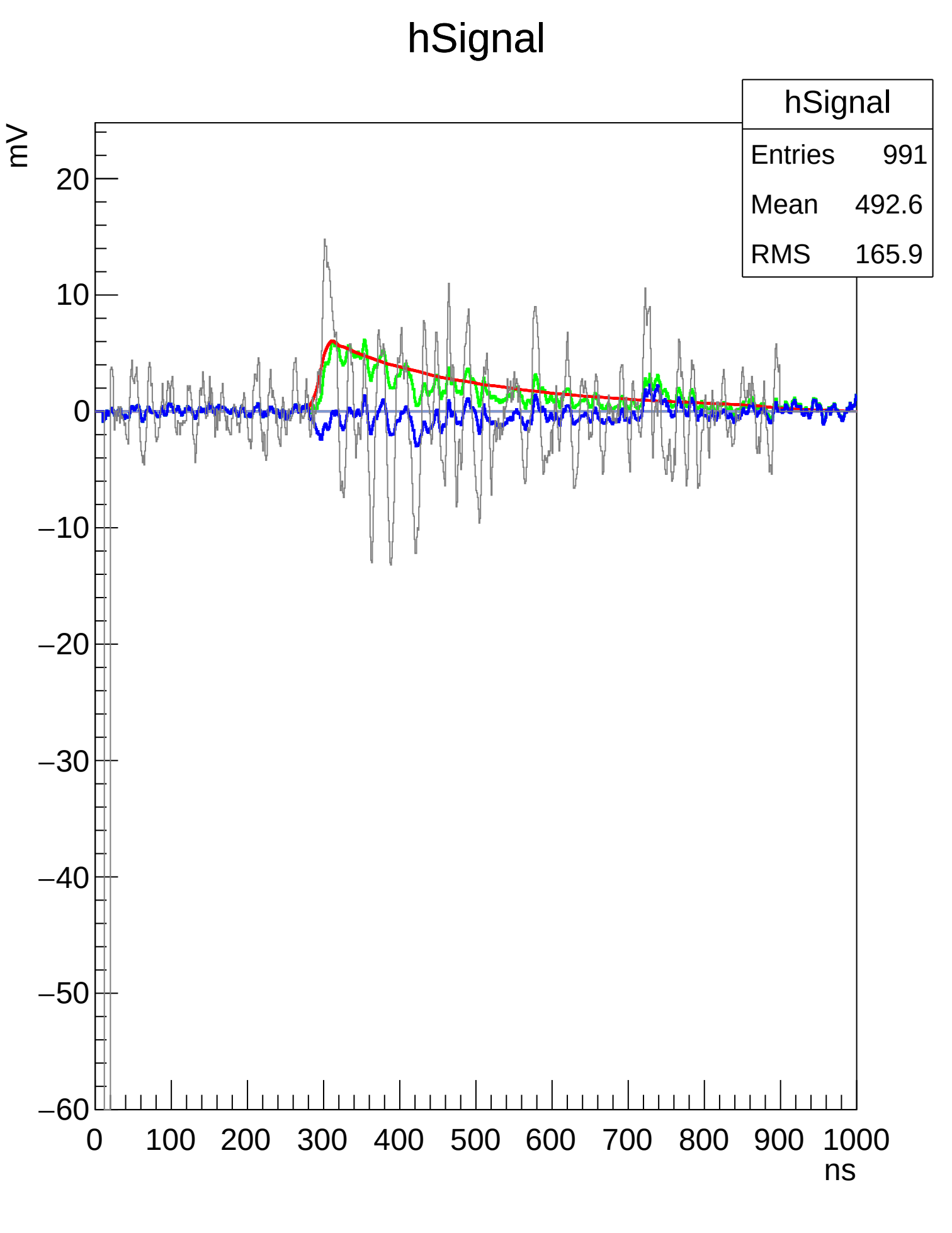
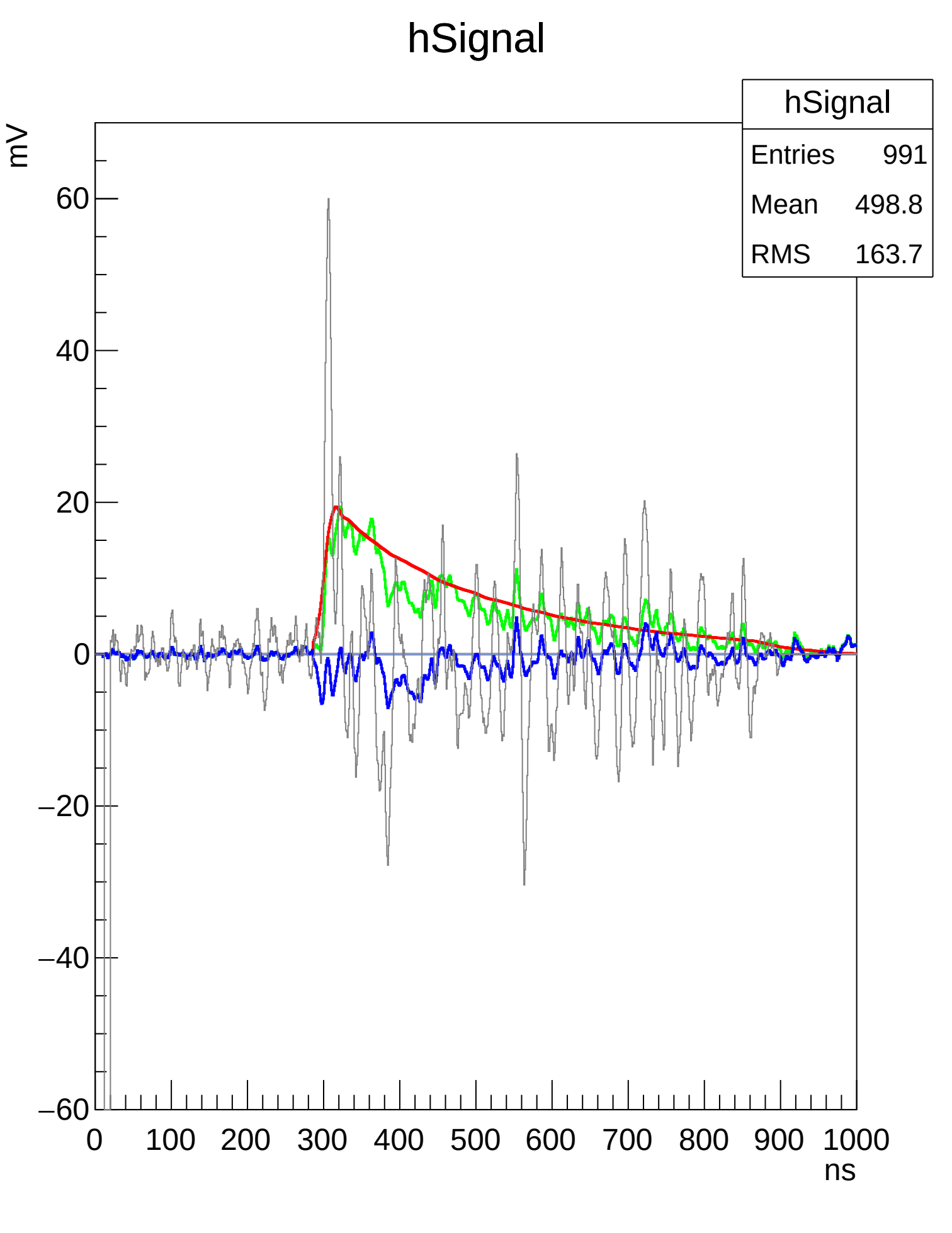
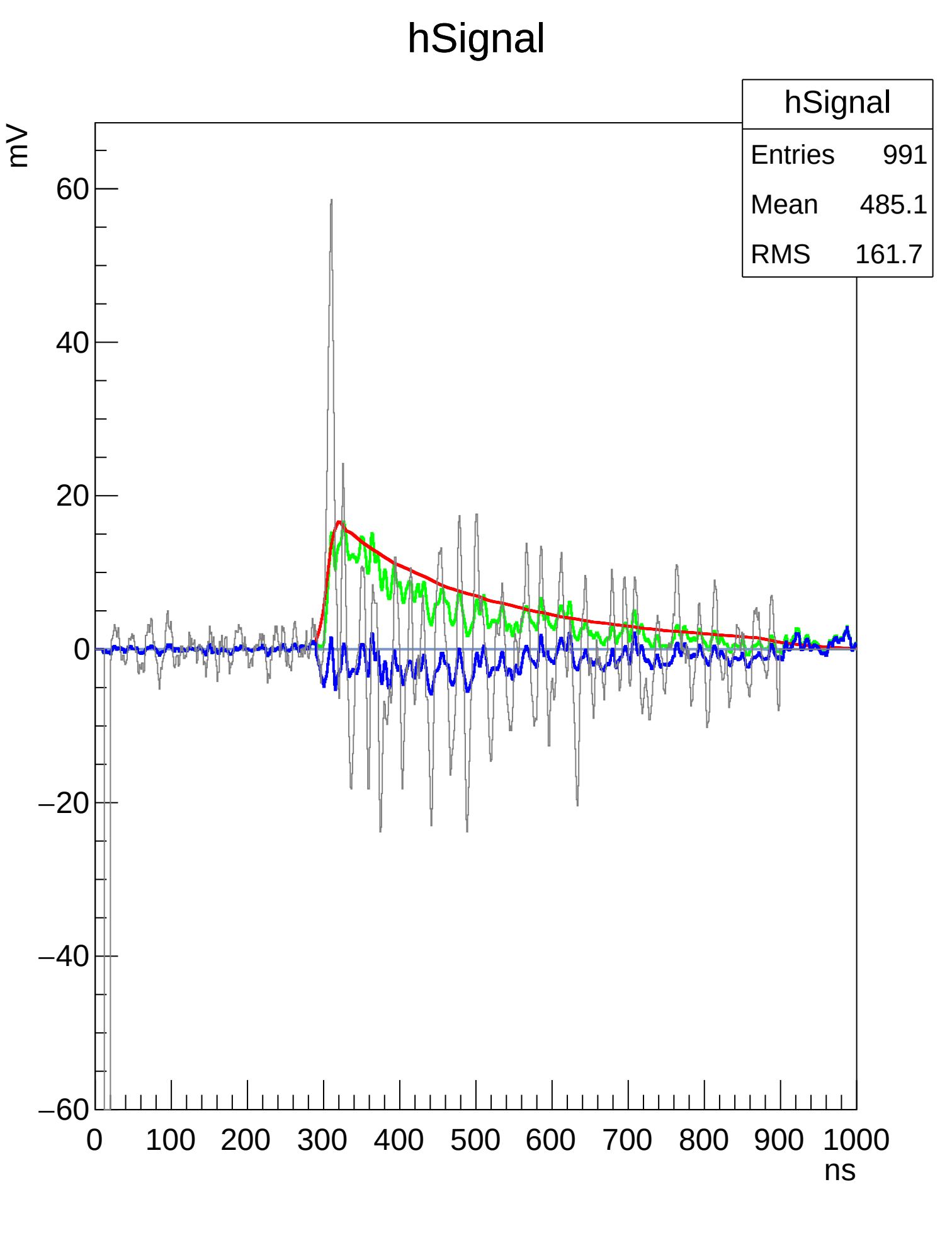
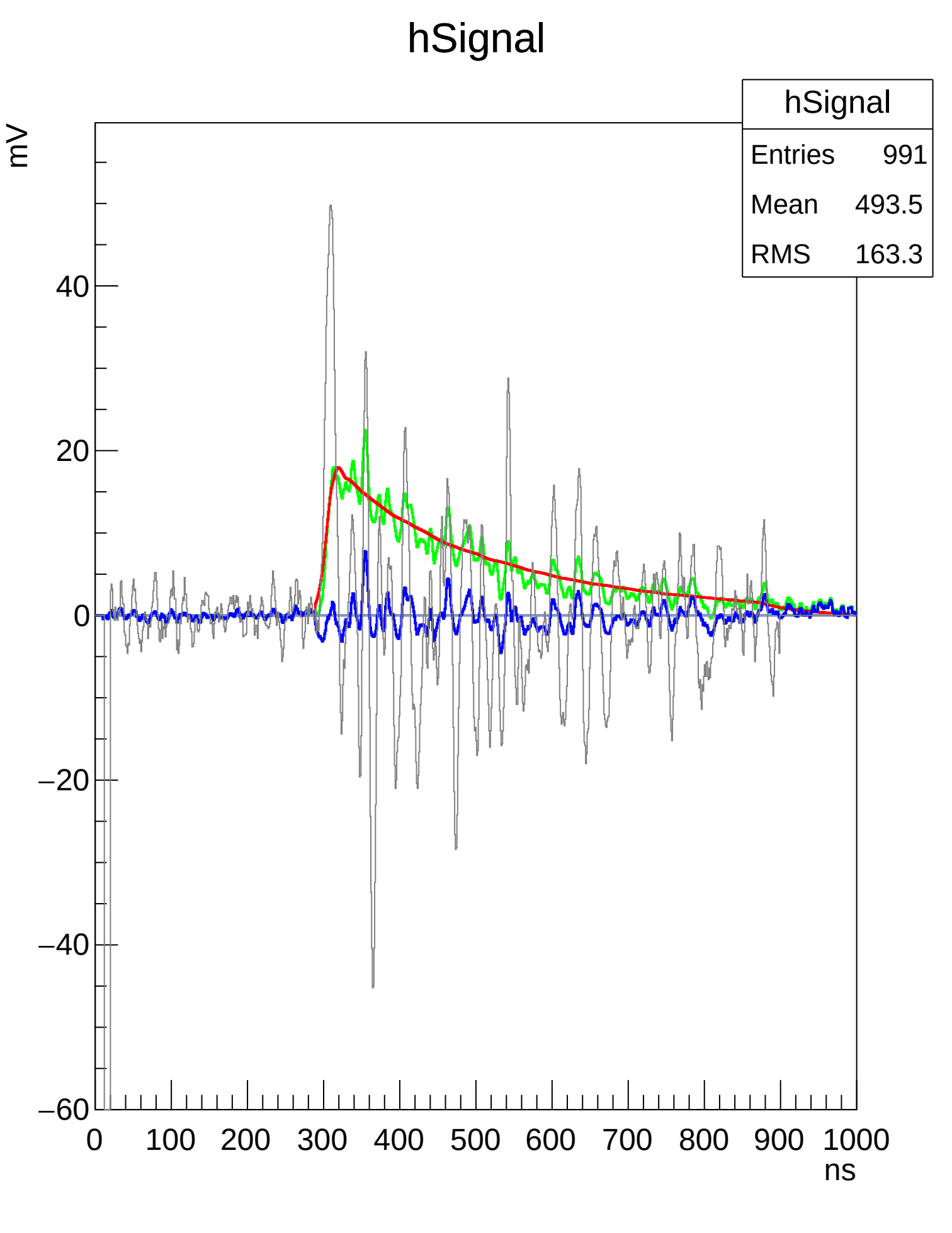
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.6
RMS 165.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.8
RMS 163.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485.1
RMS 161.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.5
RMS 163.3
mV
40
20
0
−20
−40
−60
0
100
200
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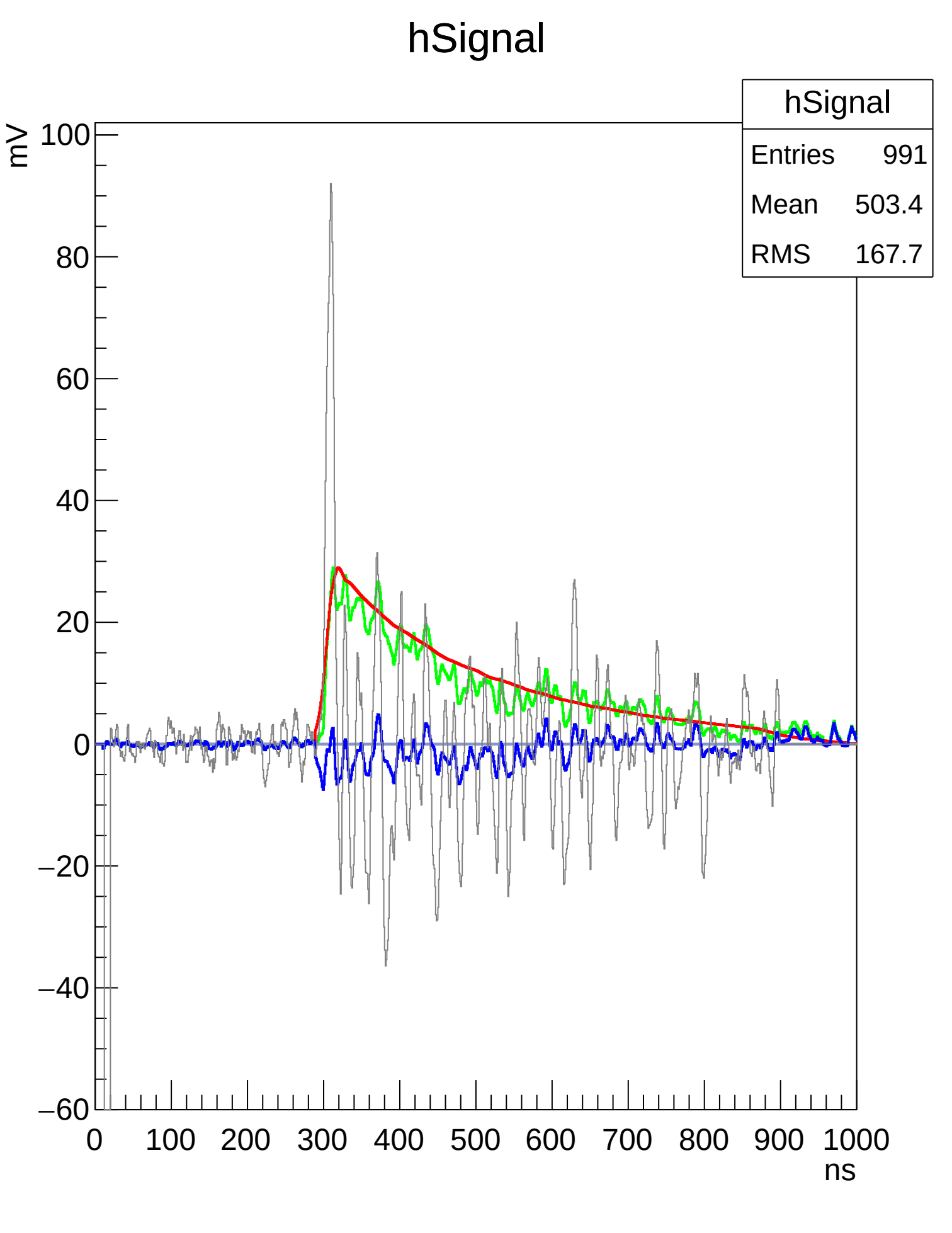
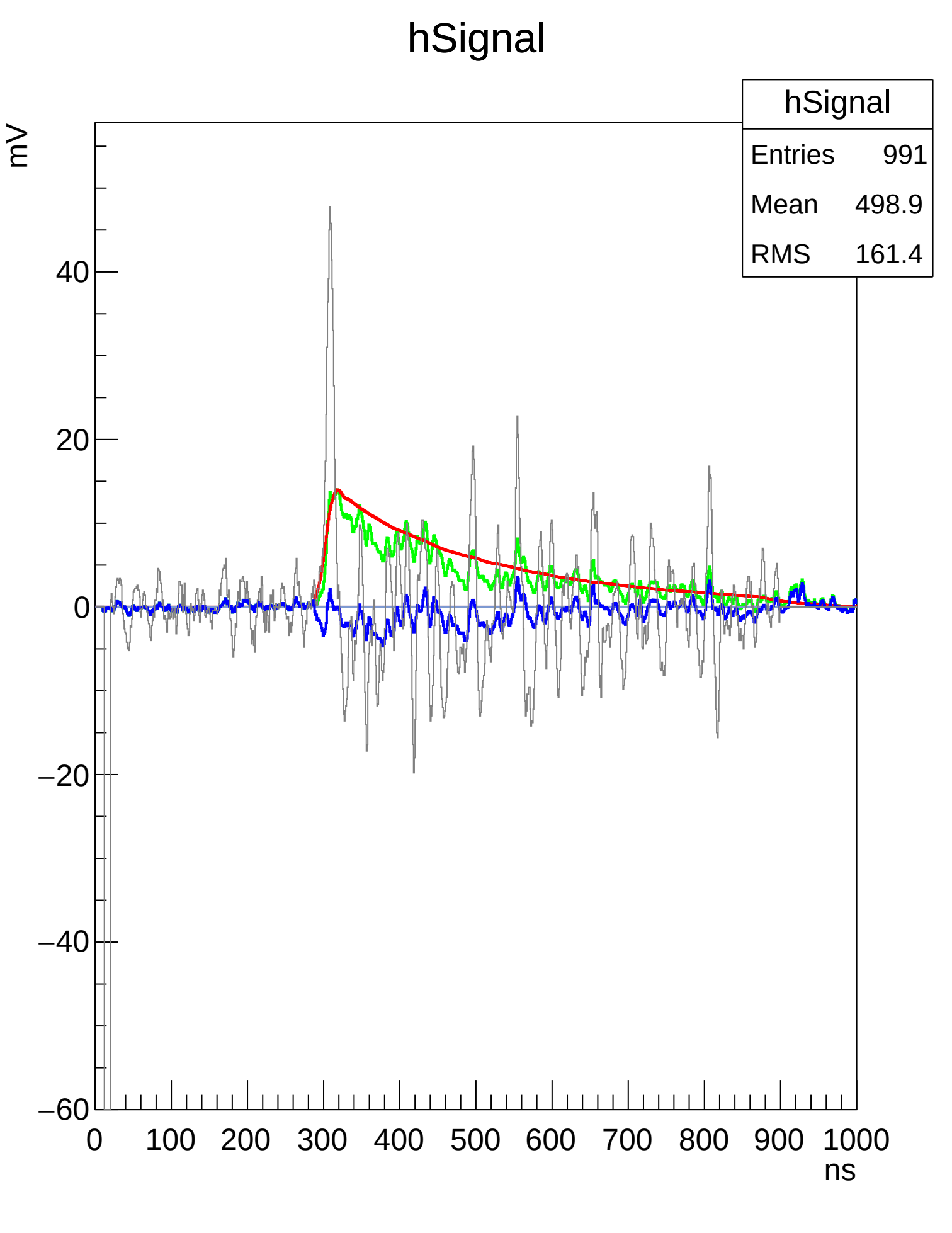
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.4
RMS 167.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.9
RMS 161.4
mV
40
20
0
−20
−40
−60
0
100
200
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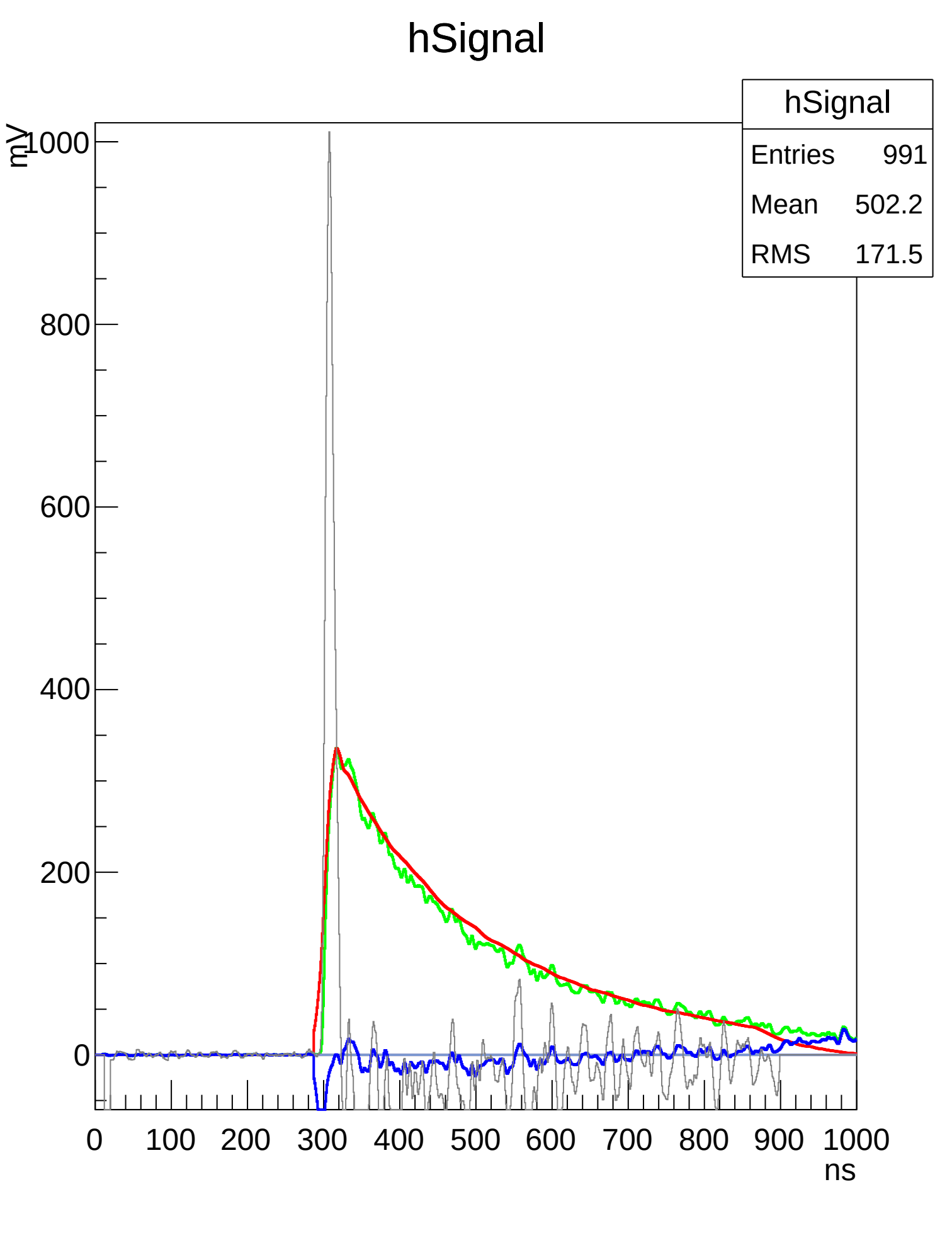
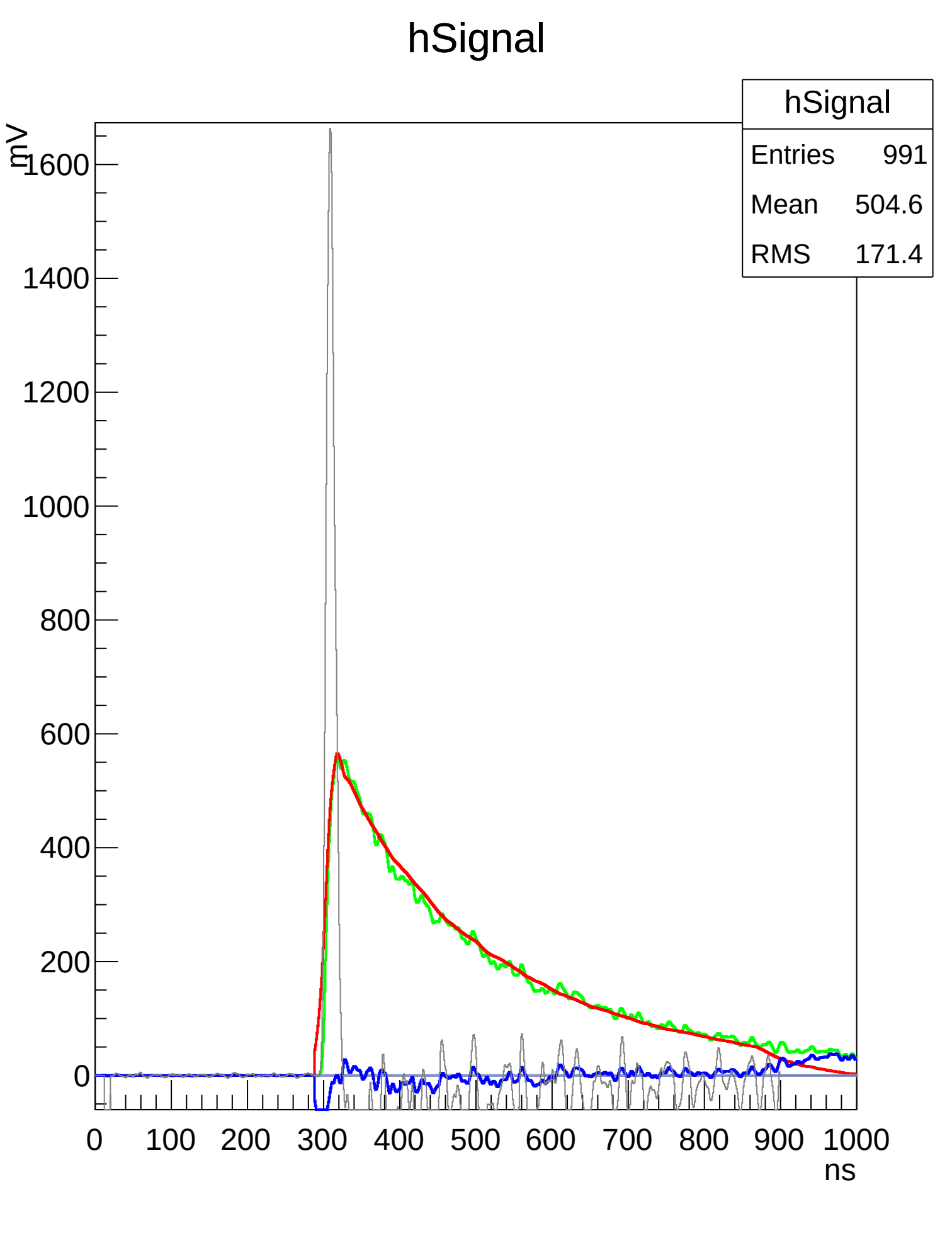
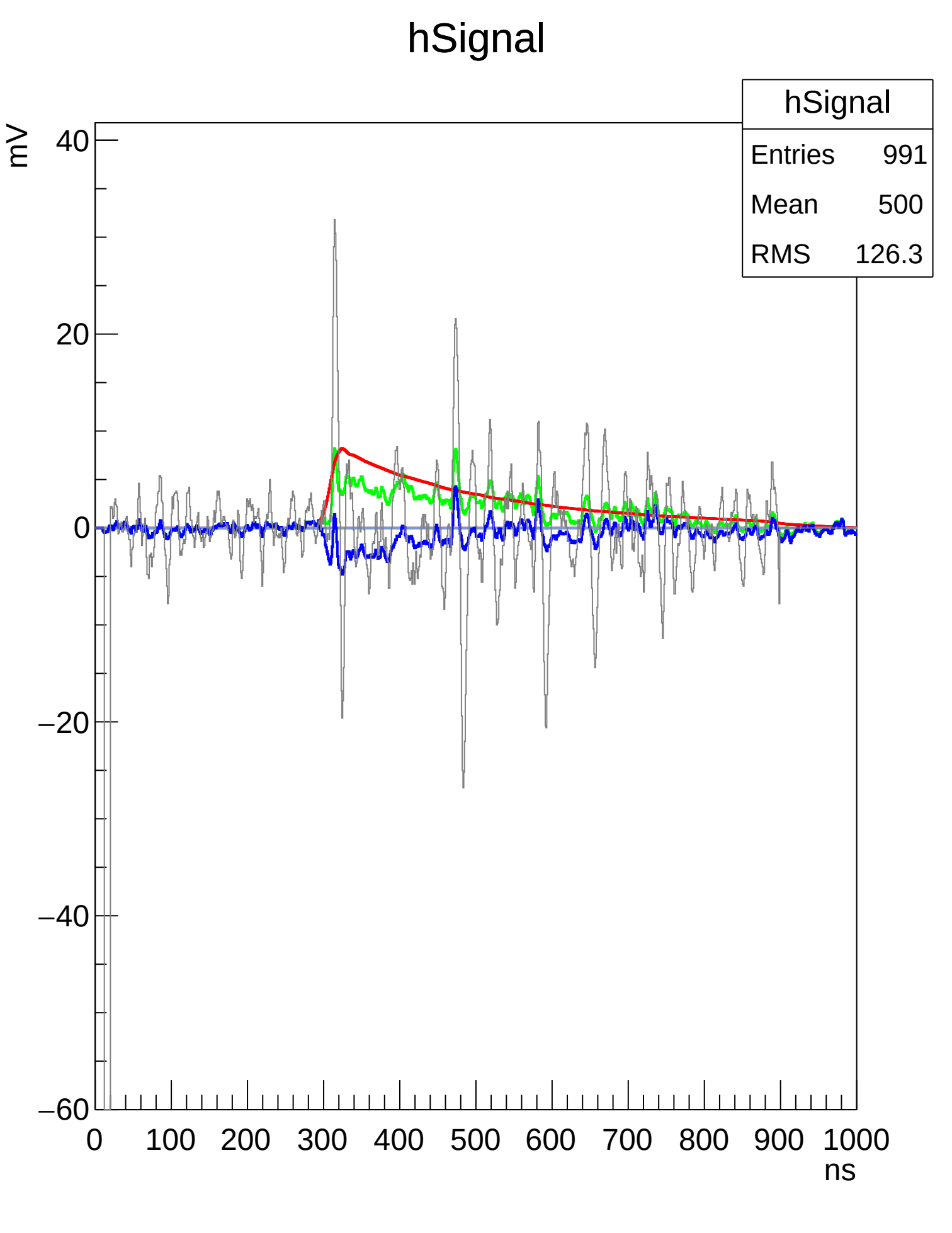
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.2
RMS 171.5
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.6
RMS 171.4
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500
RMS 126.3
mV
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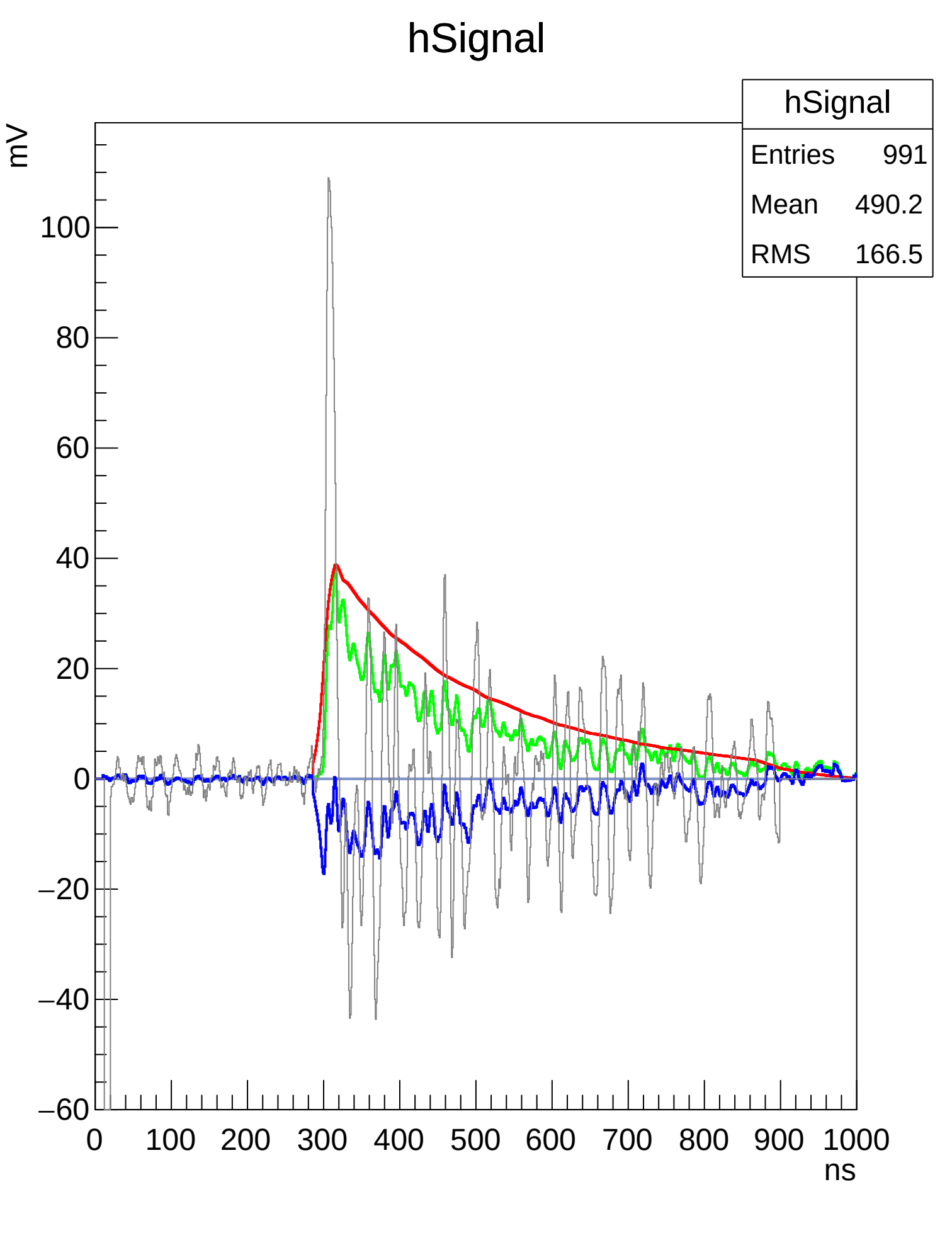
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.2
RMS 166.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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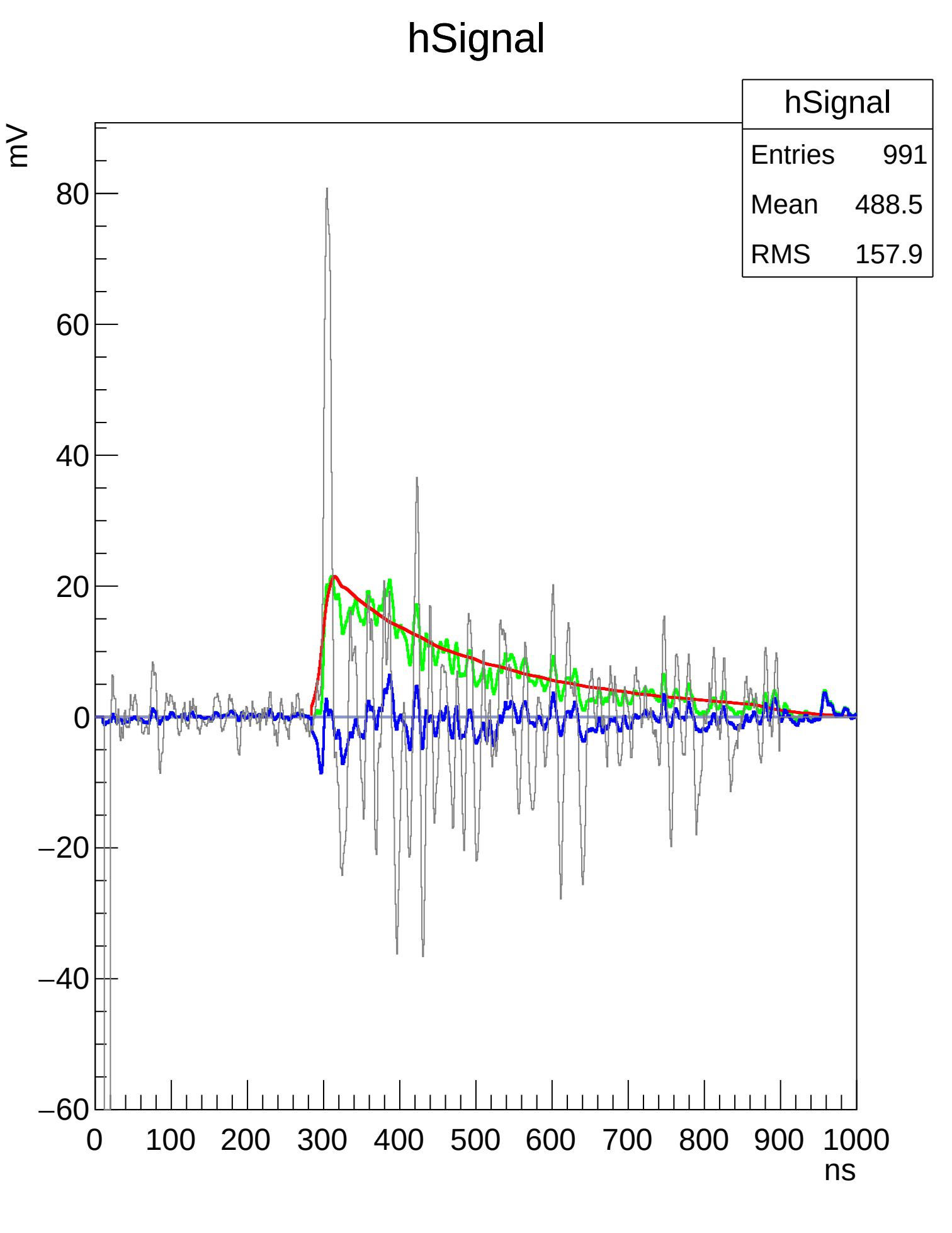
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.5
RMS 157.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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800
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1000
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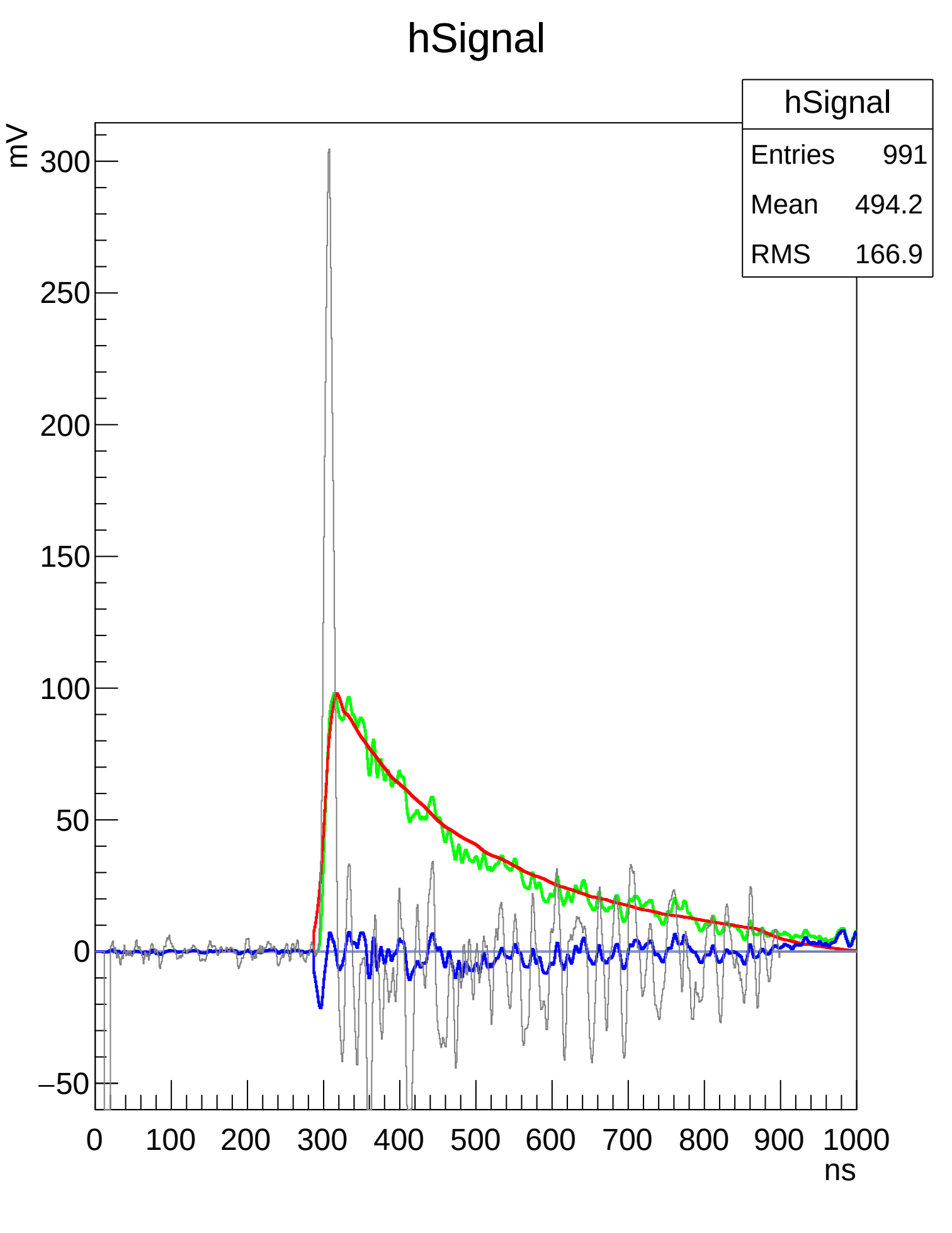
hSignal
hSignal
Entries 991
Mean 494.2
RMS 166.9
mV
300
250
200
150
100
50
0
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0
100
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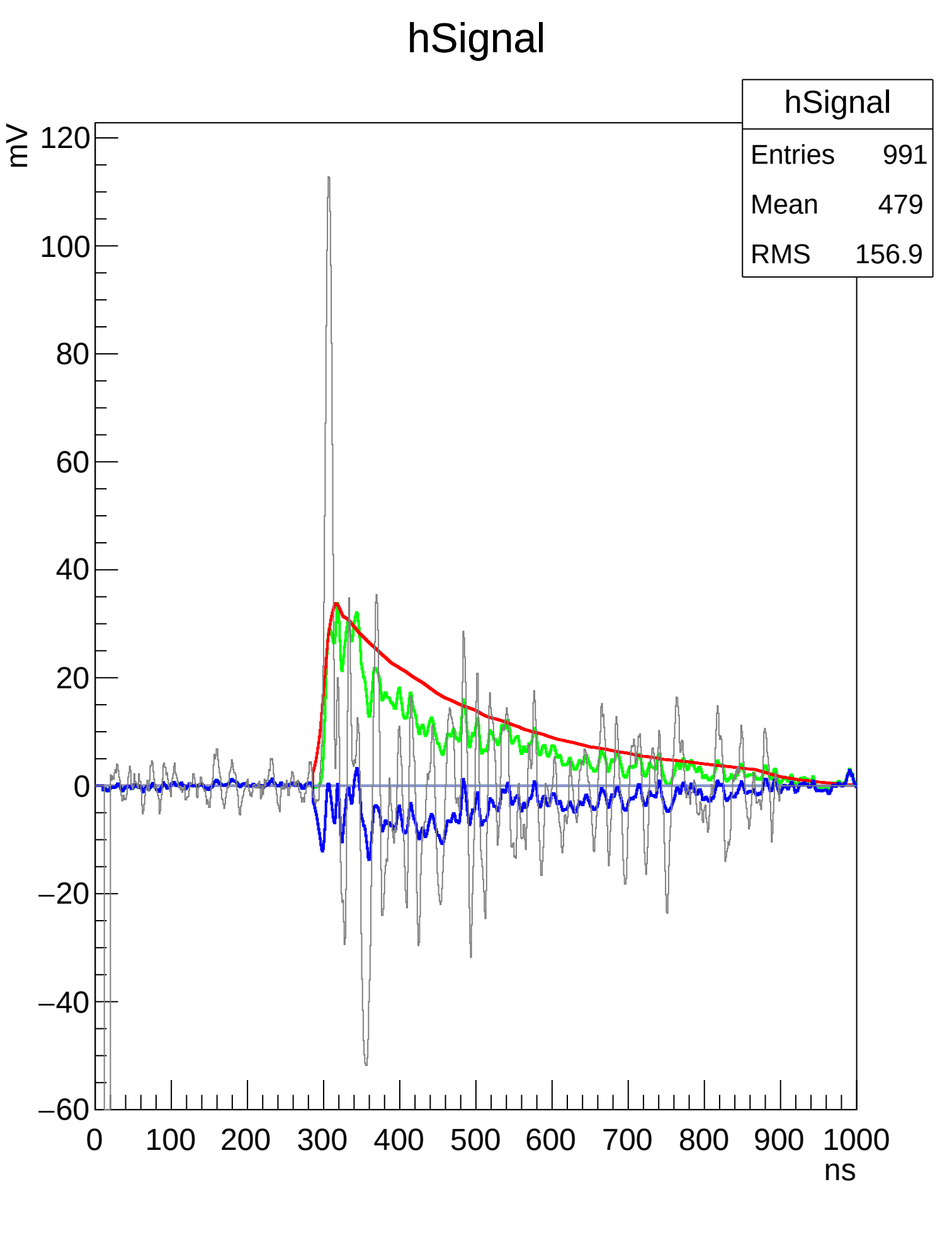
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479
RMS 156.9
mV
120
100
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−20
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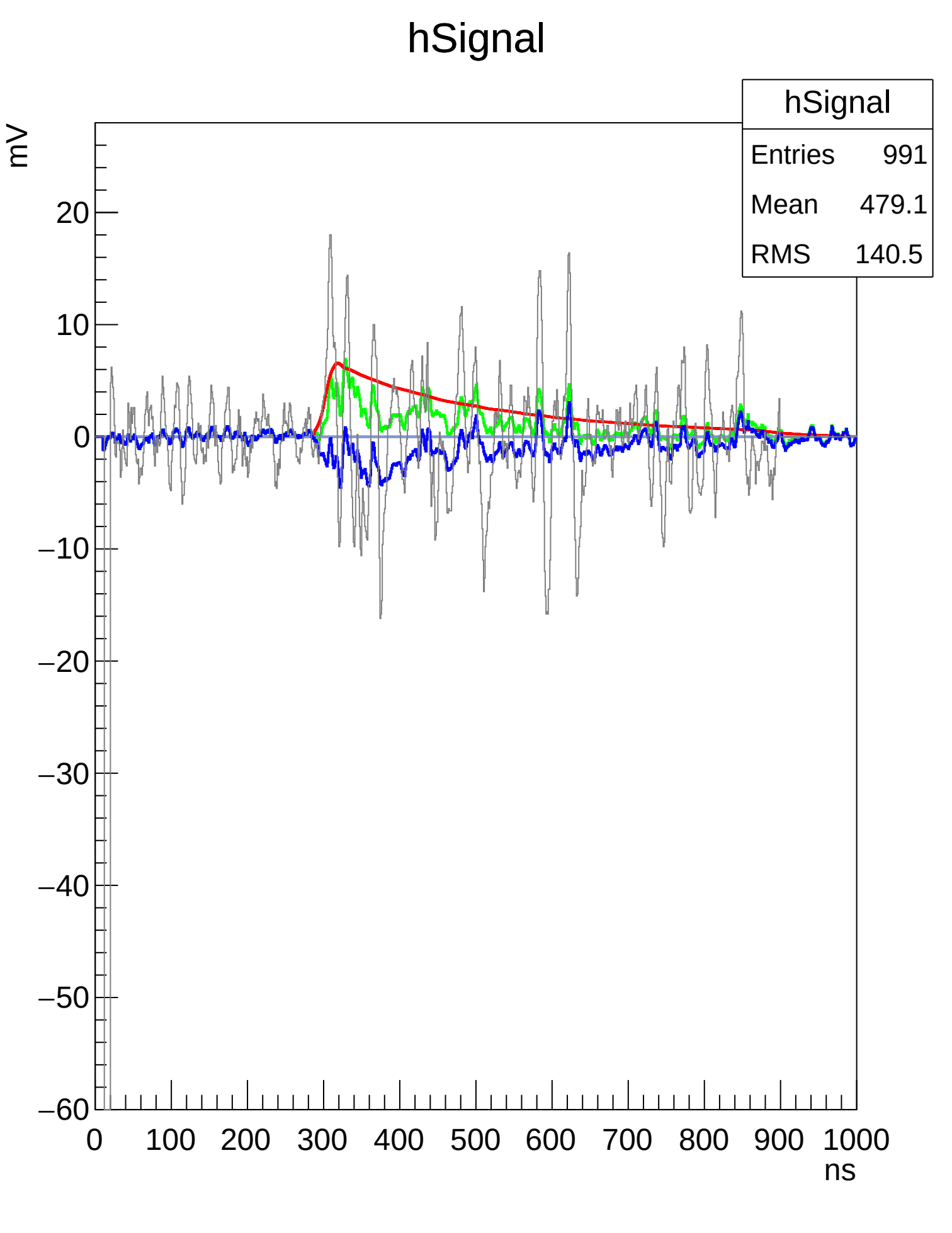
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.1
RMS 140.5
mV
20
10
0
−10
−20
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−40
−50
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0
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400
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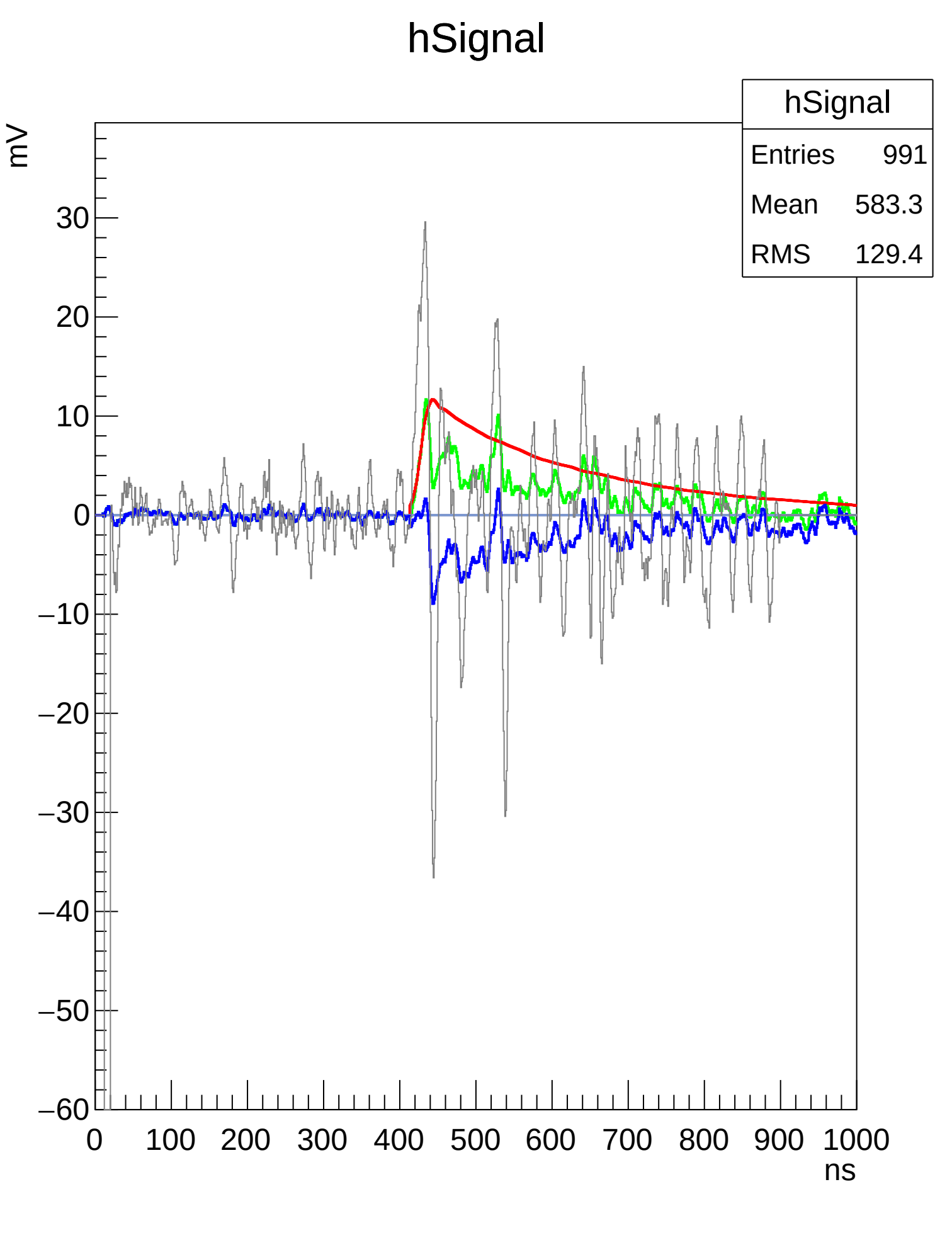
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 129.4
mV
30
20
10
0
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−40
−50
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200
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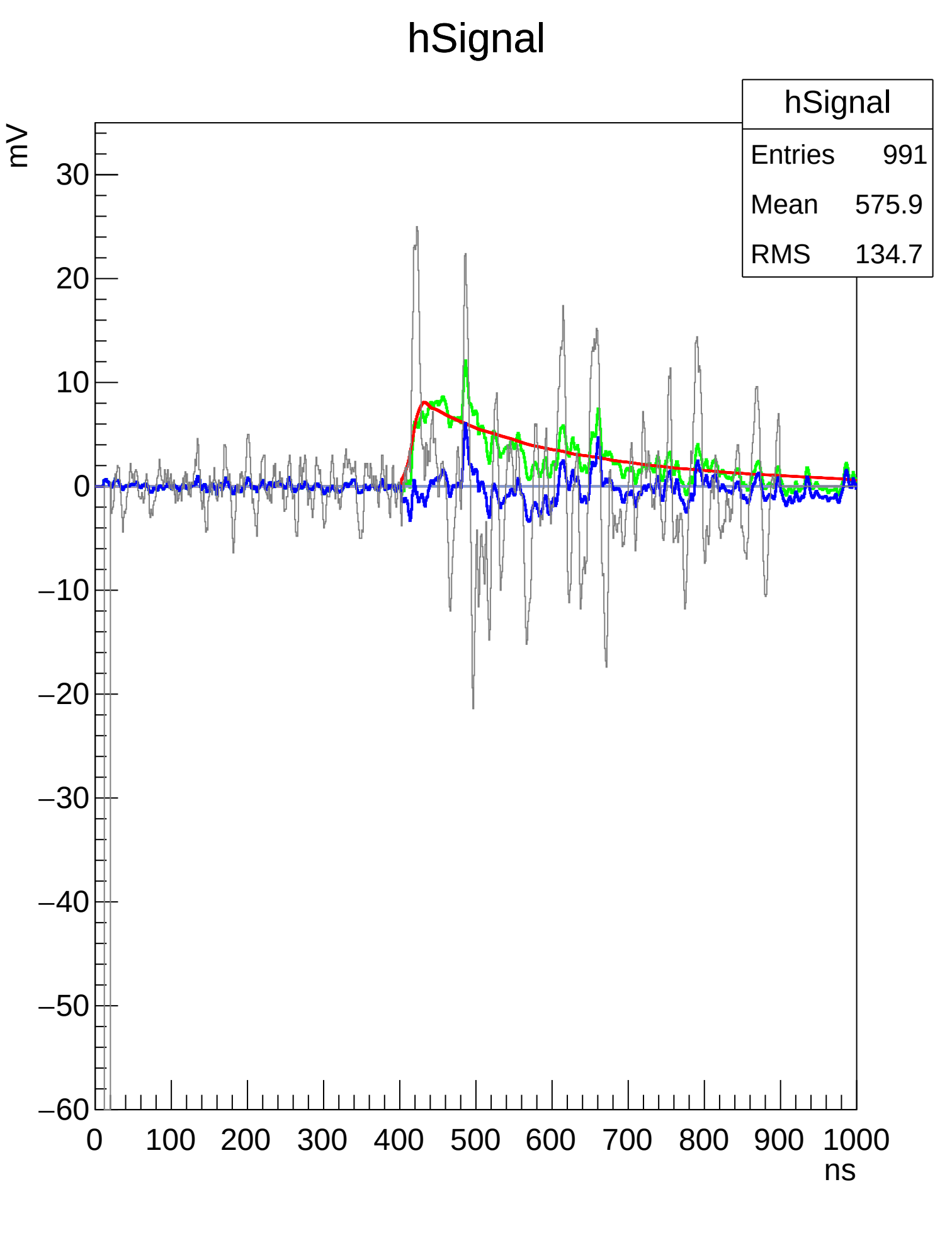
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 134.7
mV
30
20
10
0
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200
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400
500
600
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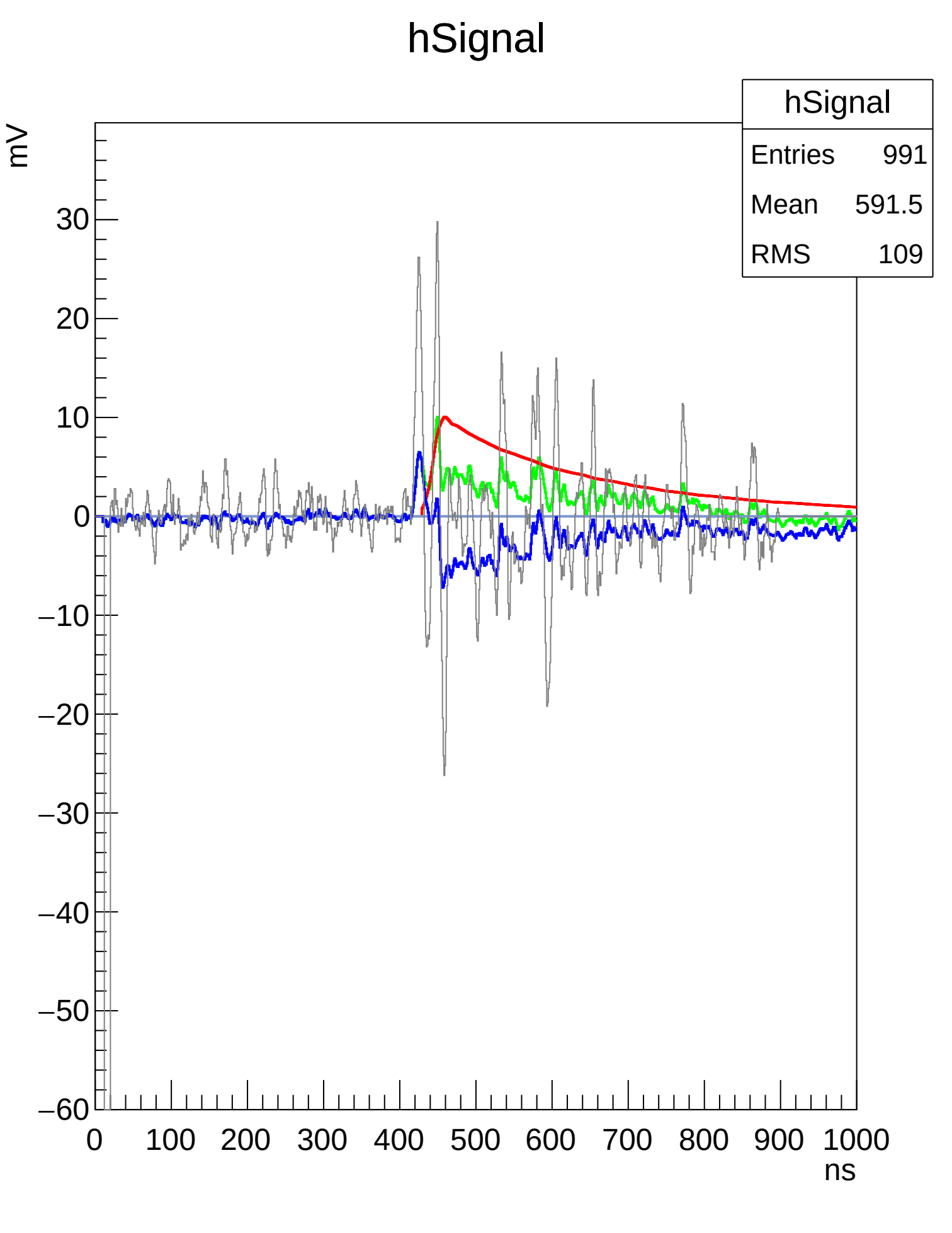
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.5
RMS 109
mV
30
20
10
0
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0
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400
500
600
700
800
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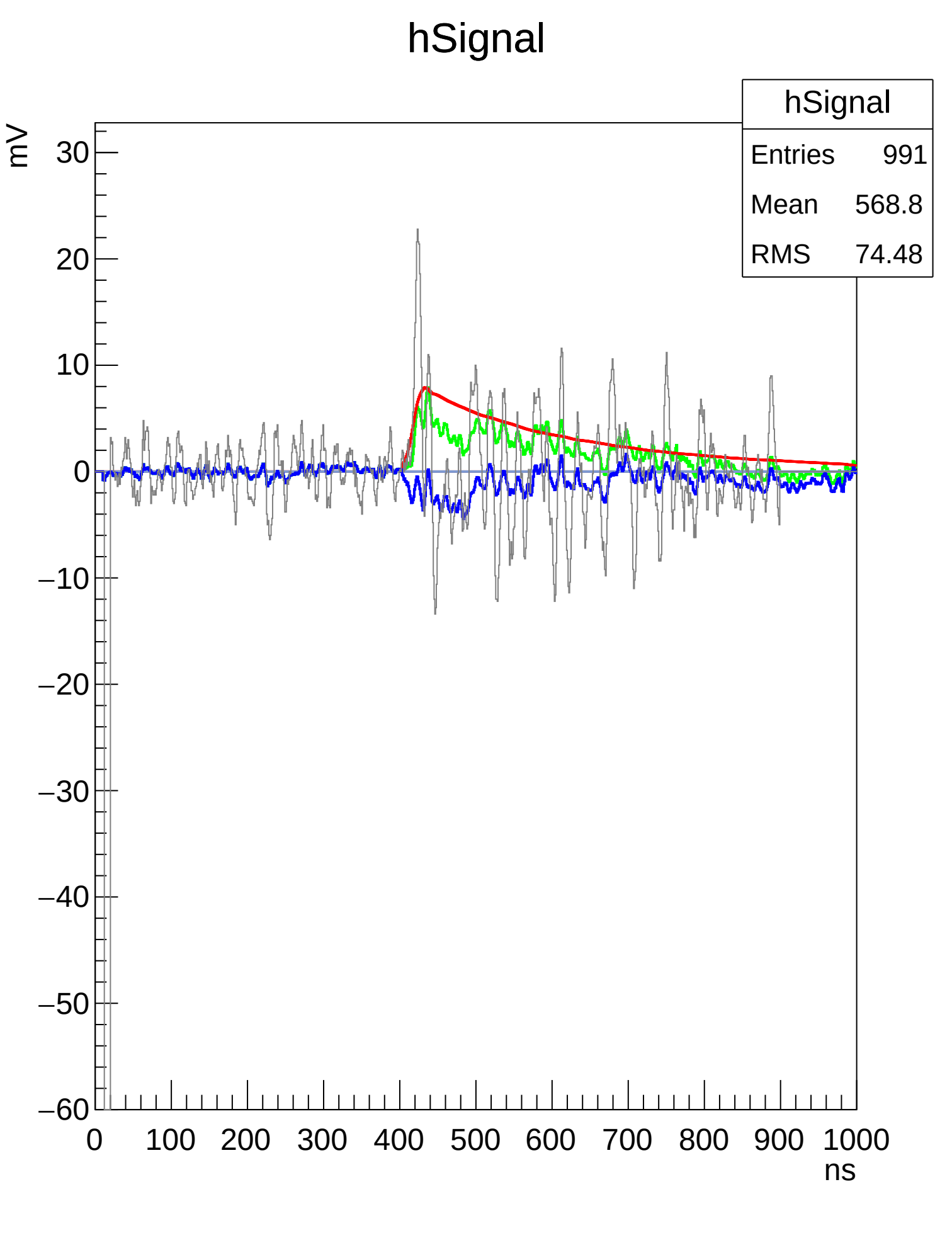
1000
ns


hSignal
hSignal
Entries 991
Mean 568.8
RMS 74.48
mV
30
20
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400
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800
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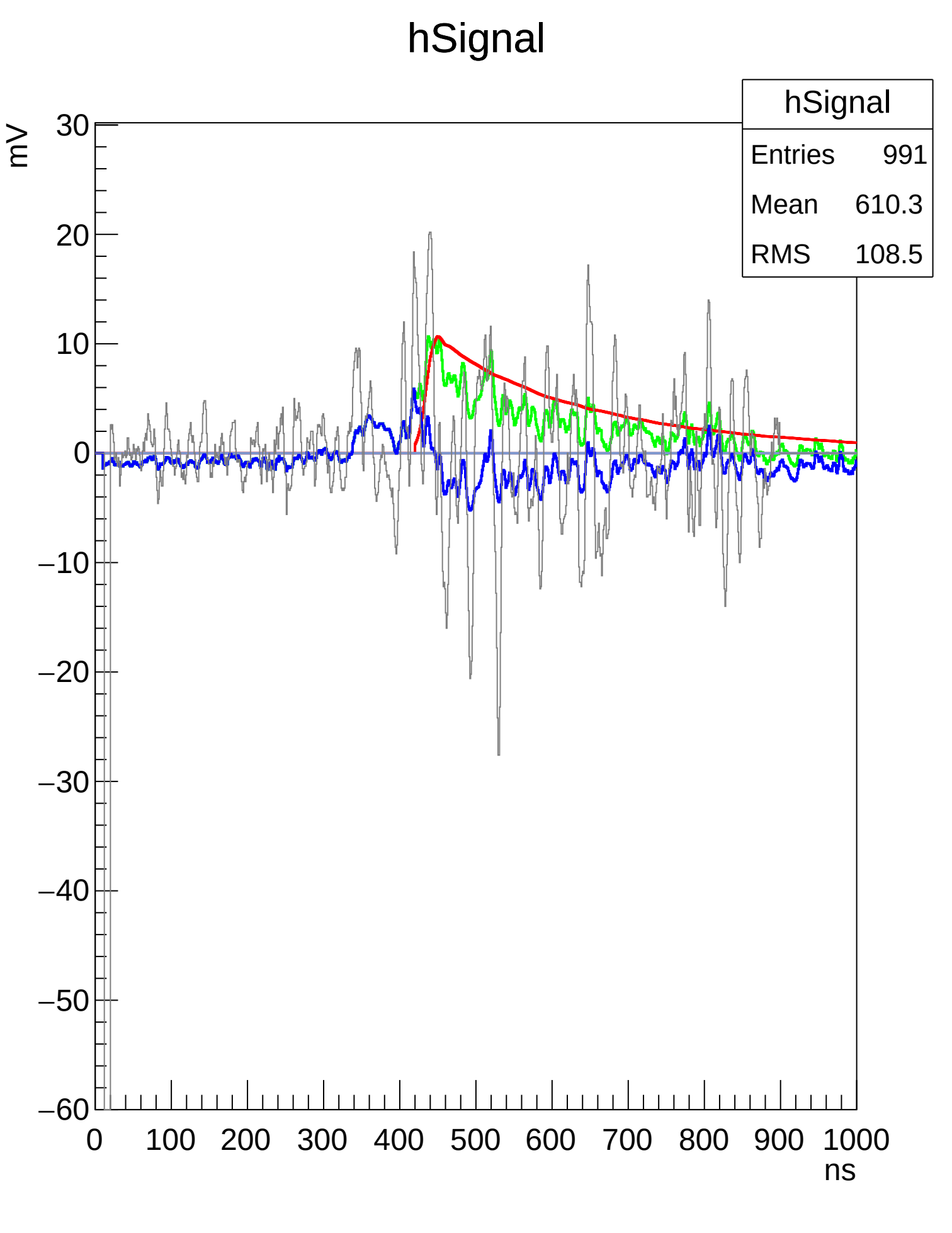
1000
ns


hSignal
hSignal
Entries 991
Mean 610.3
RMS 108.5
mV
30
20
10
0
−10
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−40
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200
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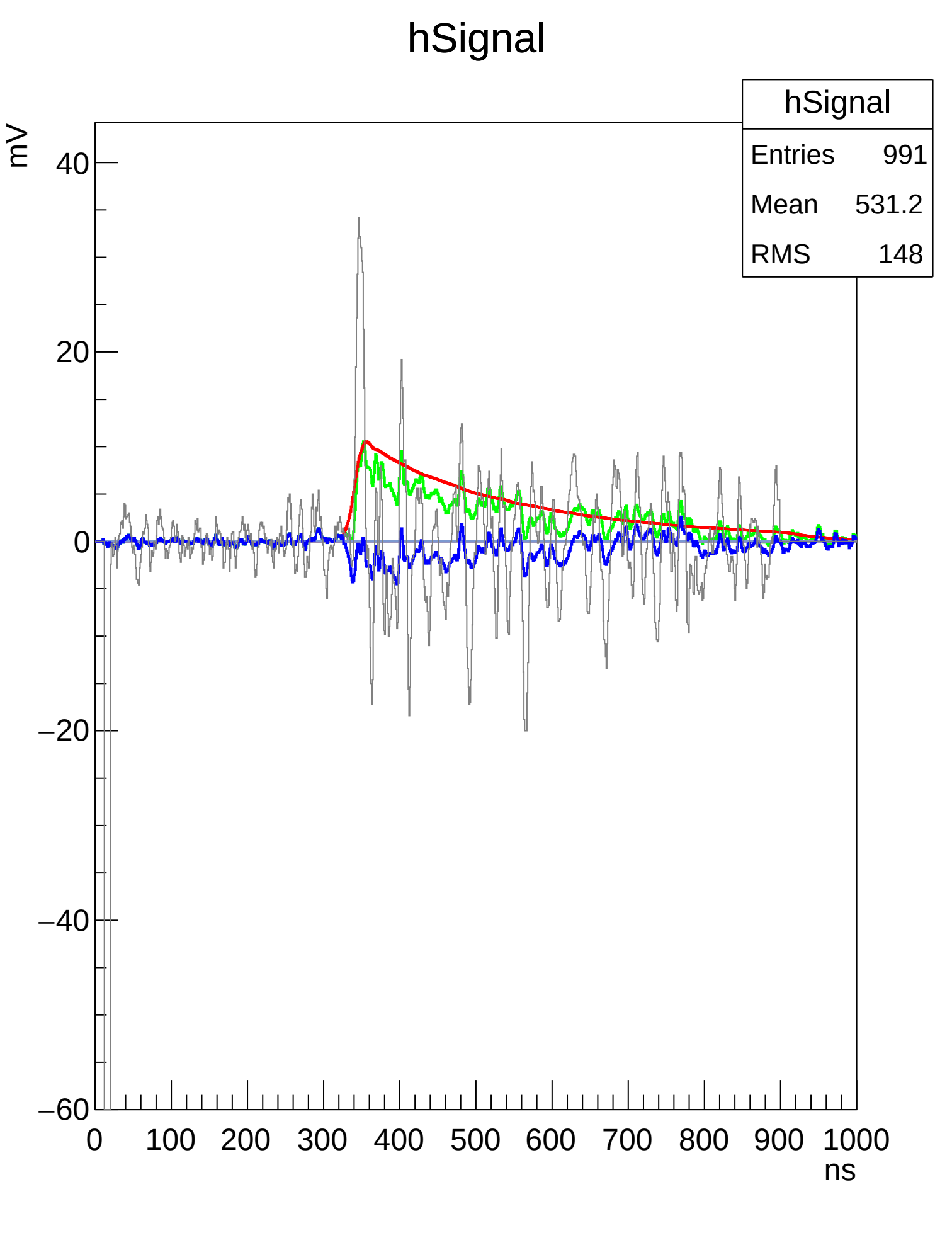
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.2
RMS 148
mV
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−20
−40
−60
0
100
200
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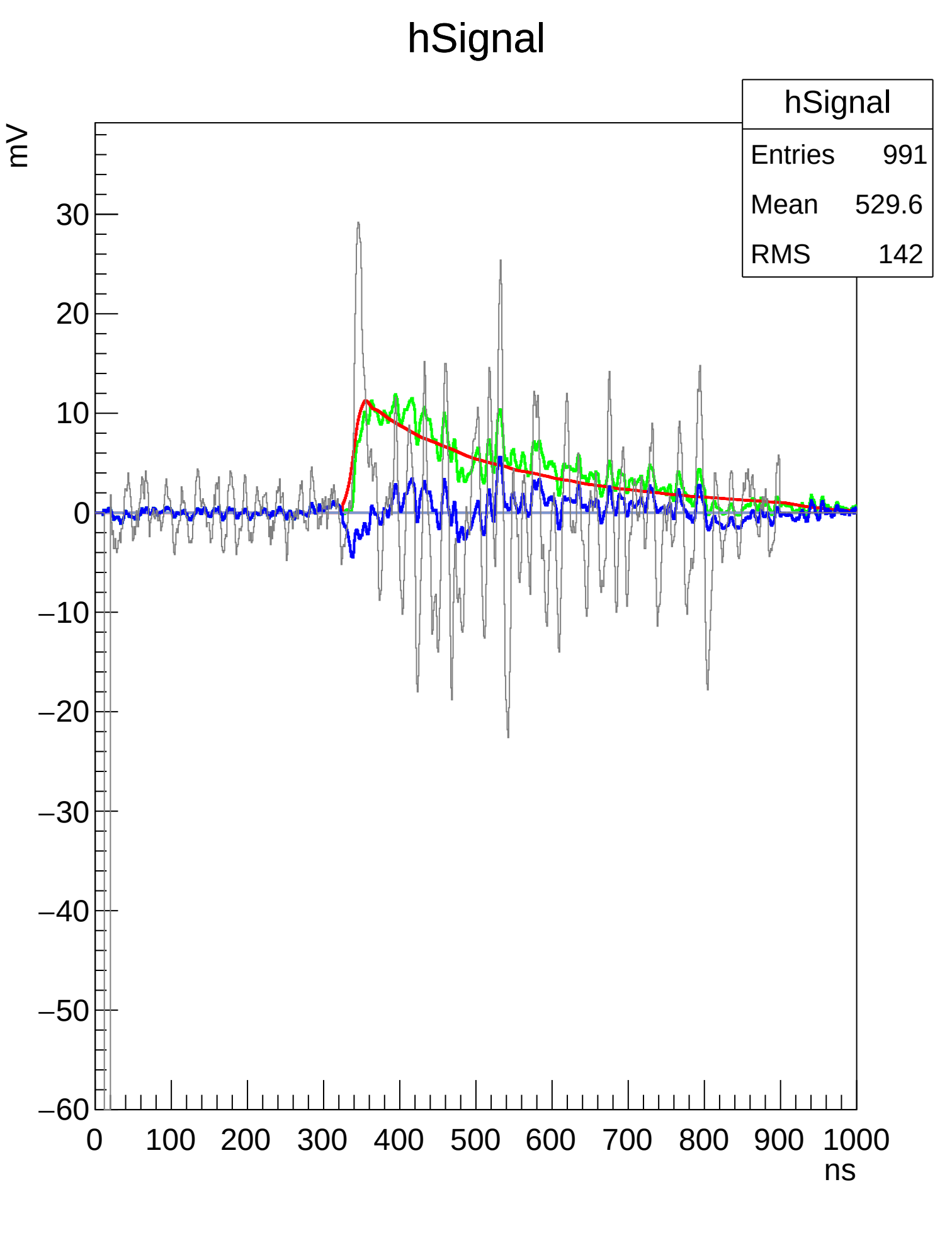
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.6
RMS 142
mV
30
20
10
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−50
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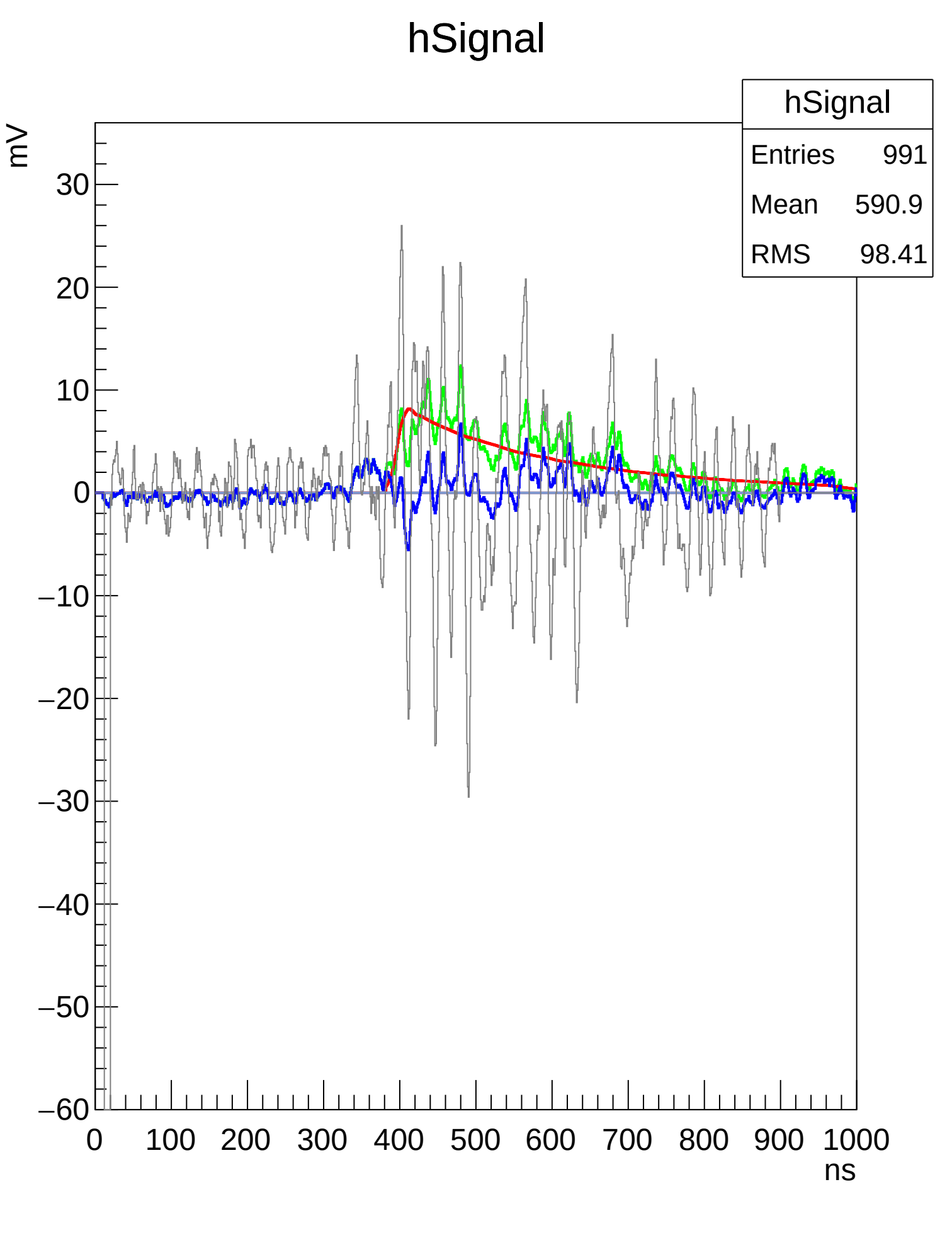
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.9
RMS 98.41
mV
30
20
10
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100
200
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400
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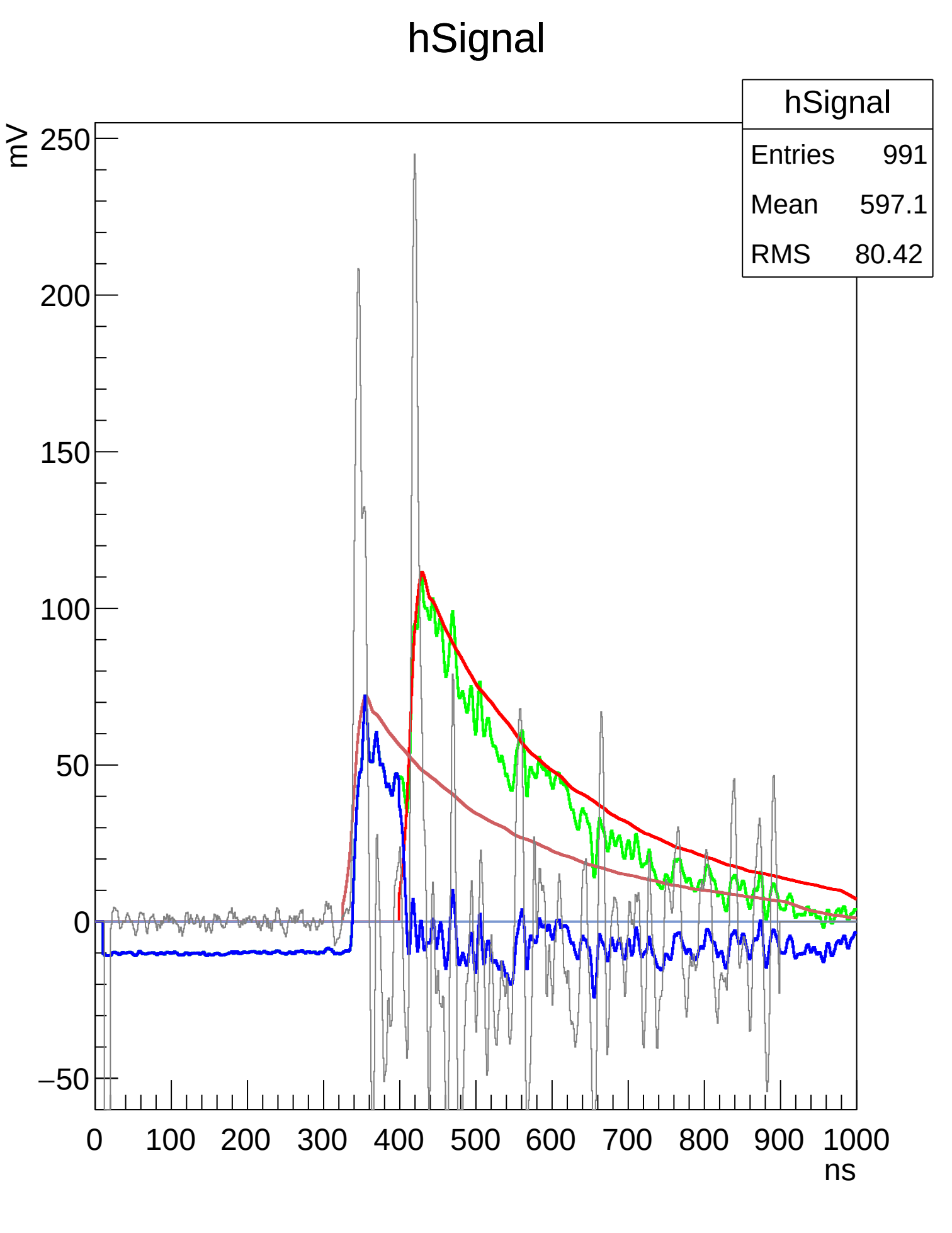
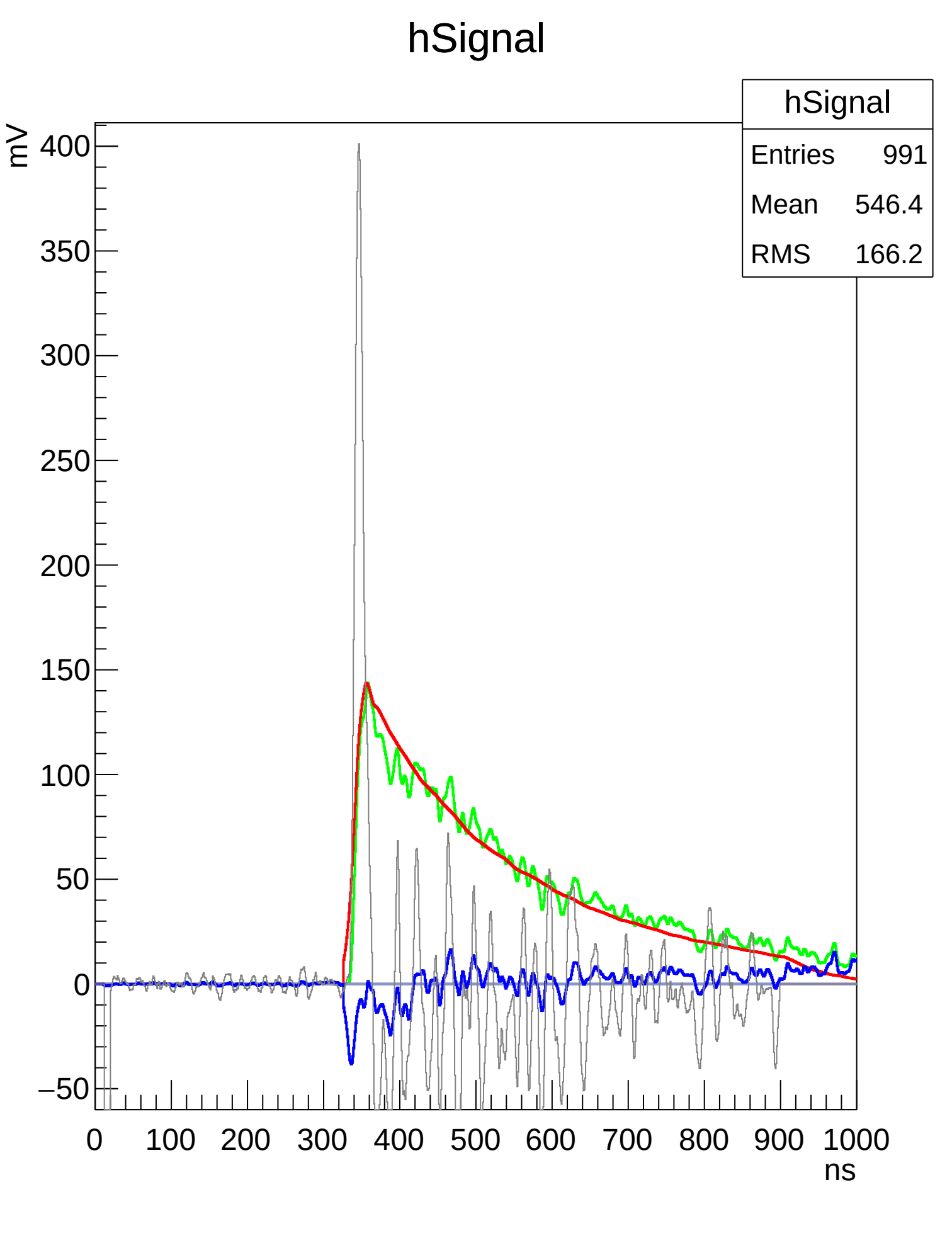
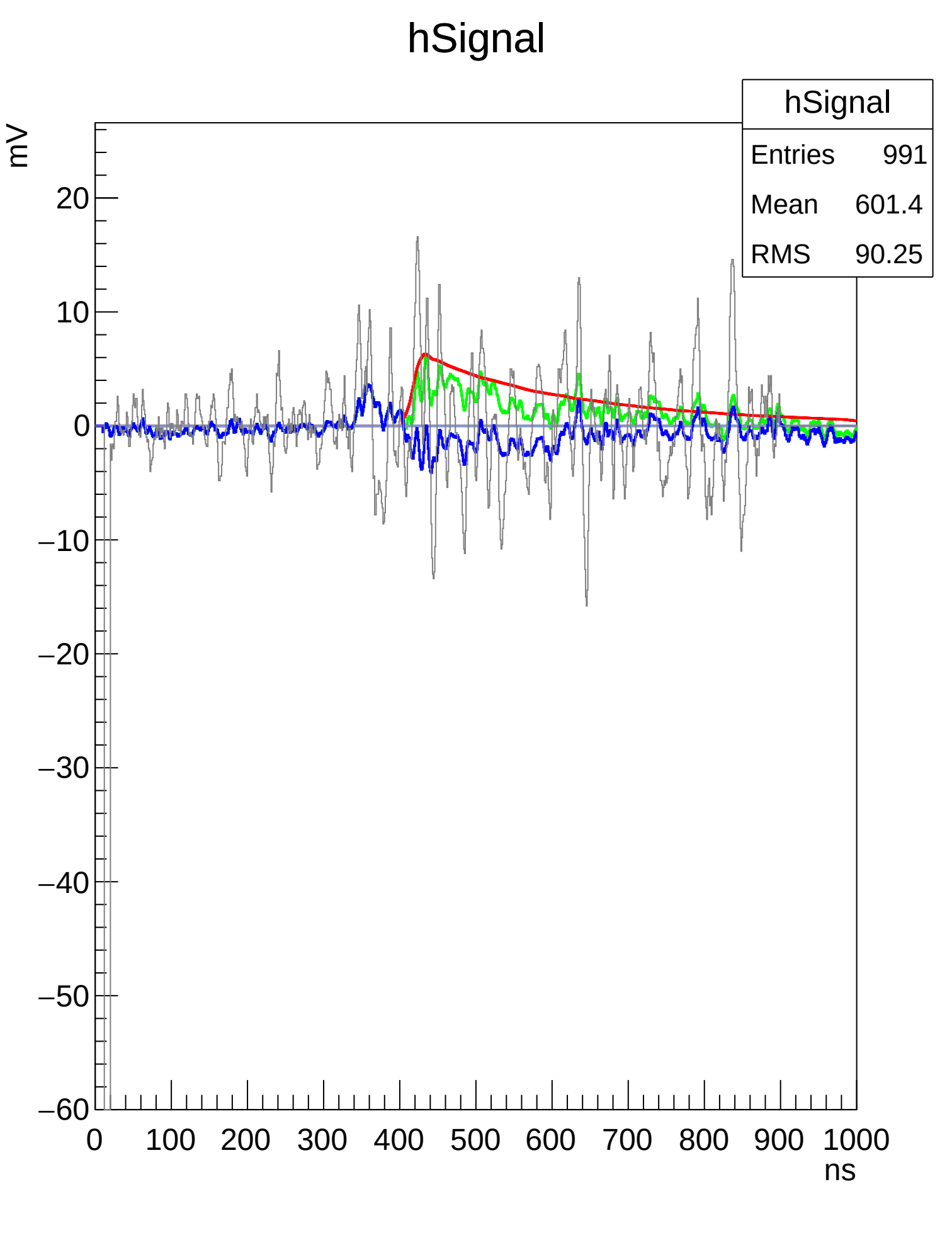
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.1
RMS 80.42
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.4
RMS 166.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 90.25
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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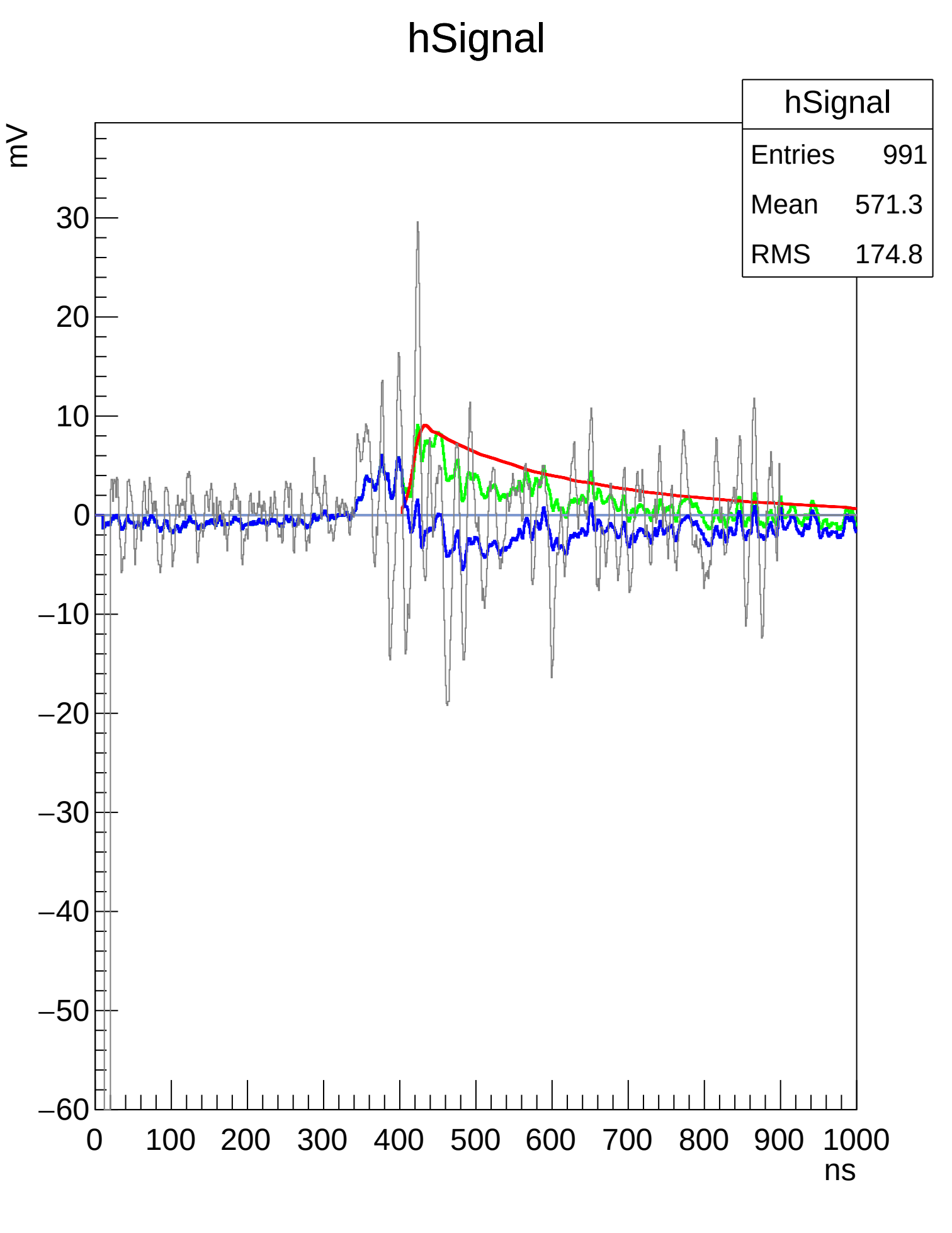
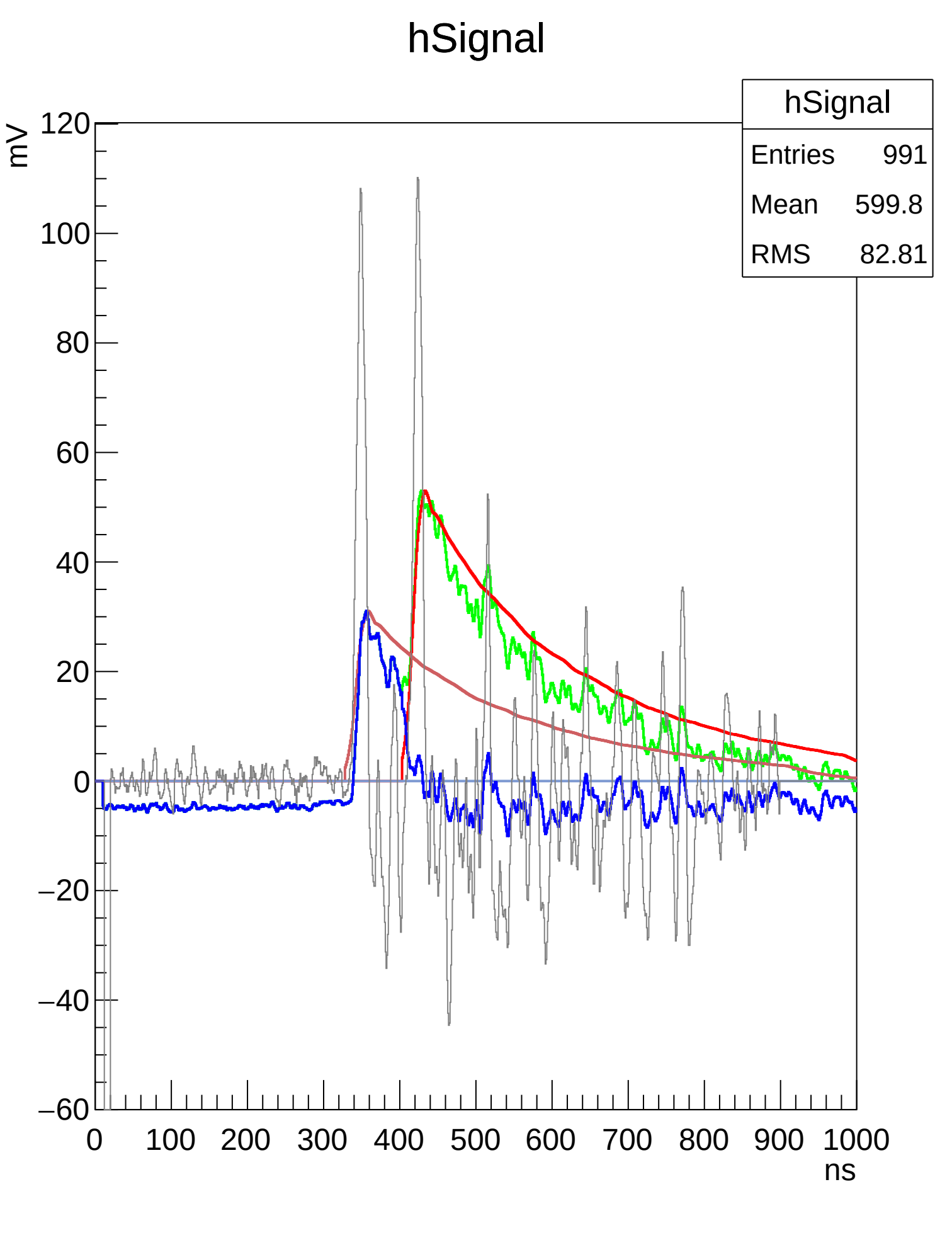
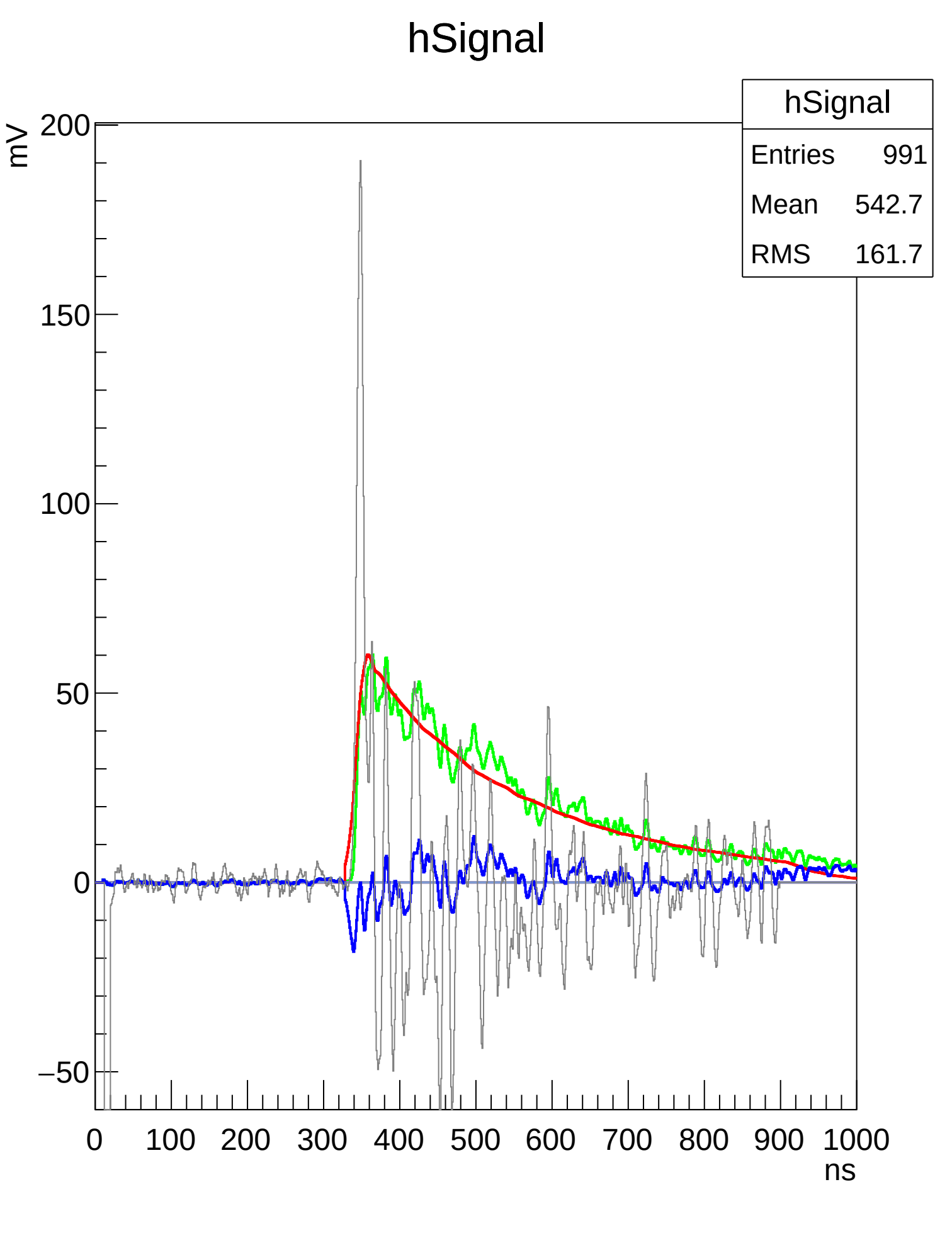
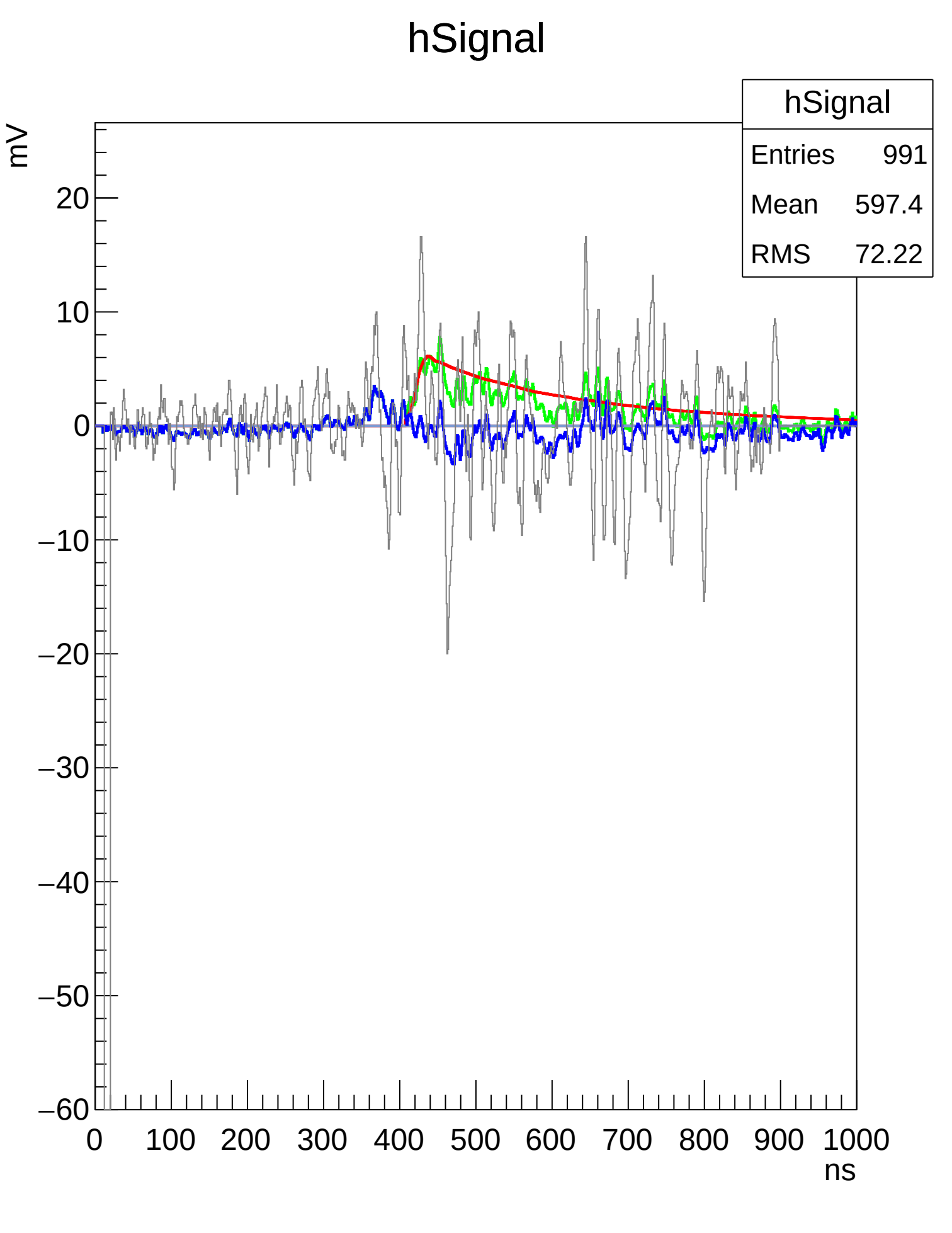
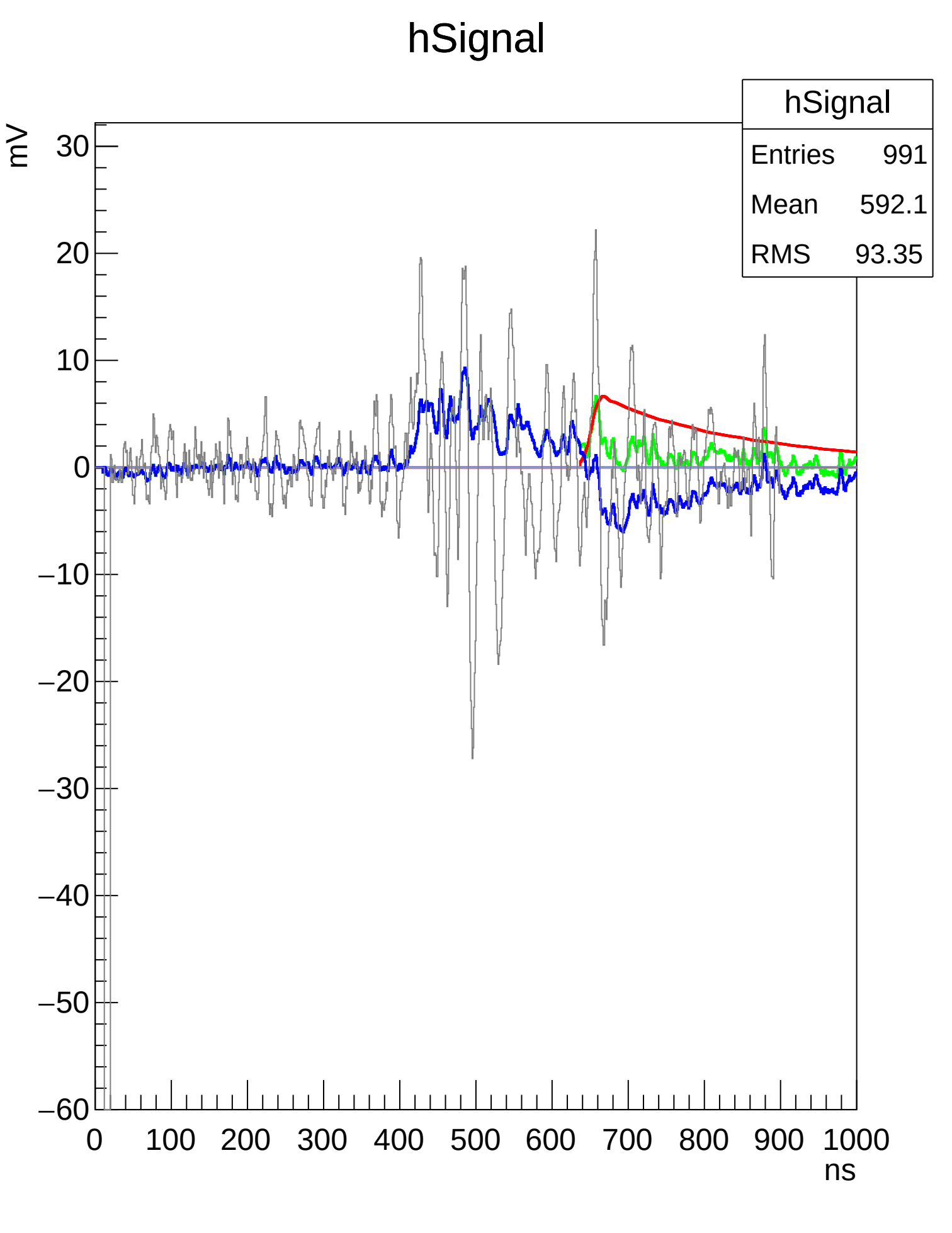
800
900
1000
ns

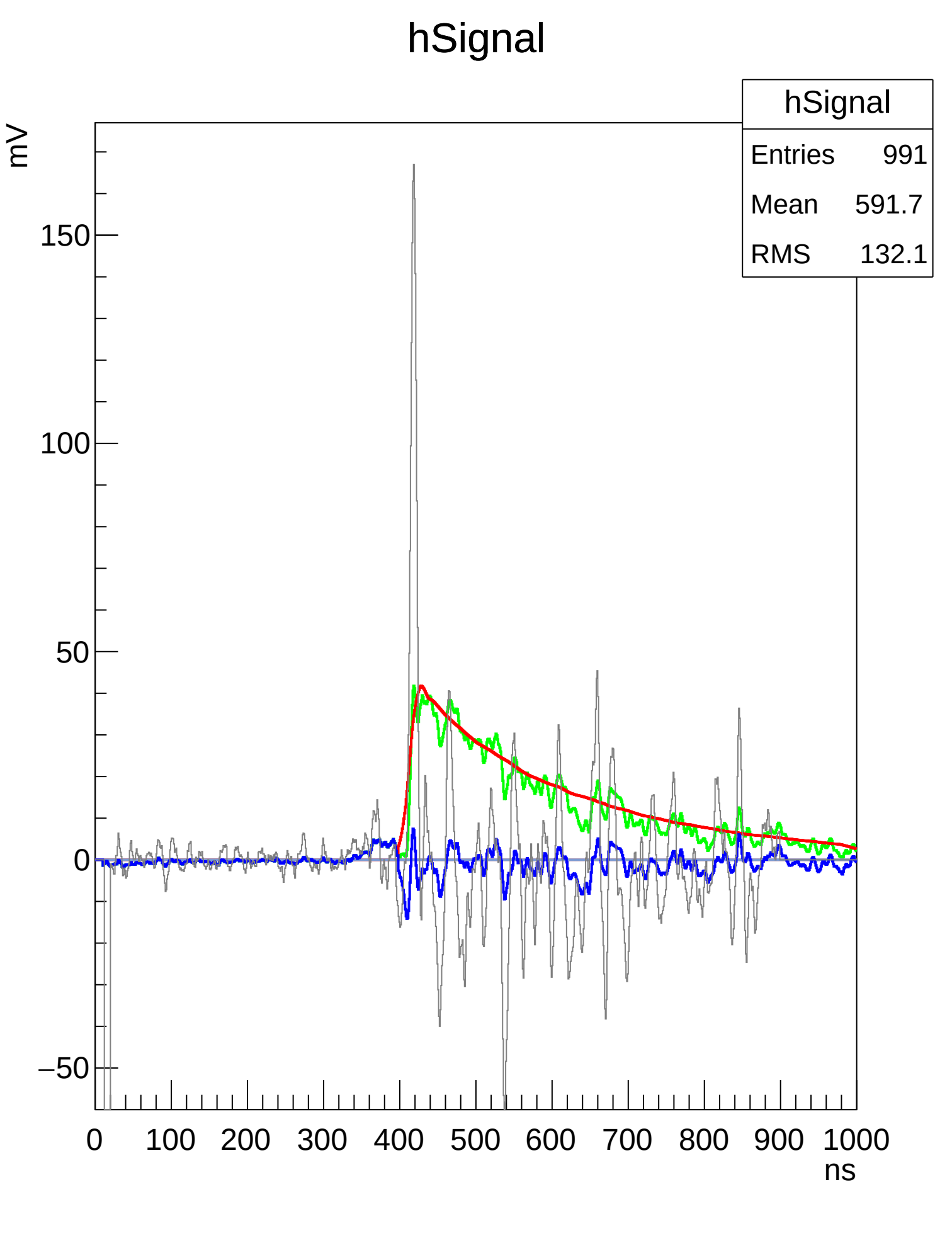

hSignal
hSignal
Entries 991
Mean 571.3
RMS 174.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

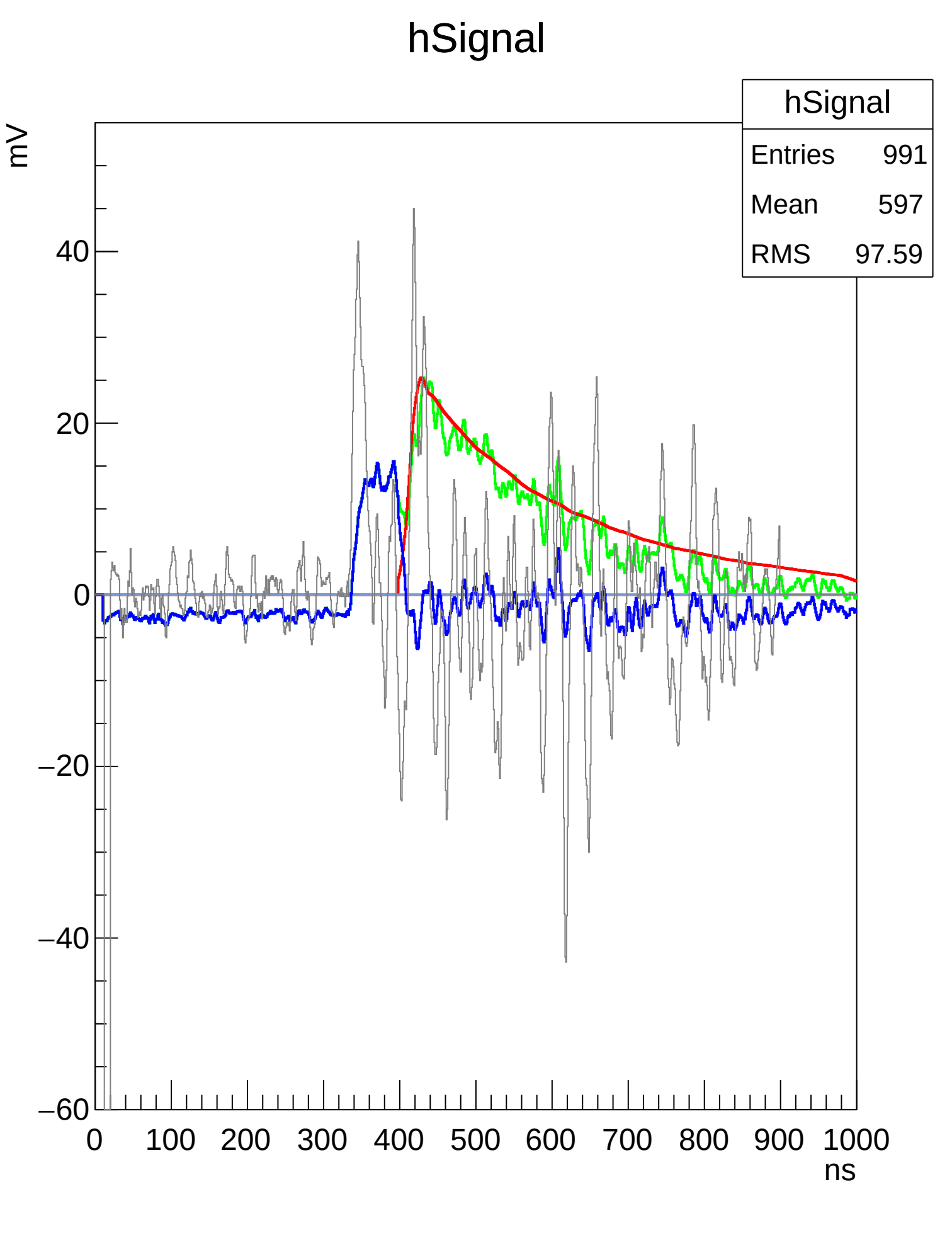

hSignal
hSignal
Entries 991
Mean 599.8
RMS 82.81
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.7
RMS 161.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.4
RMS 72.22
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.1
RMS 93.35
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.7
RMS 132.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597
RMS 97.59
mV
40
20
0
−20
−40
−60
0
100
200
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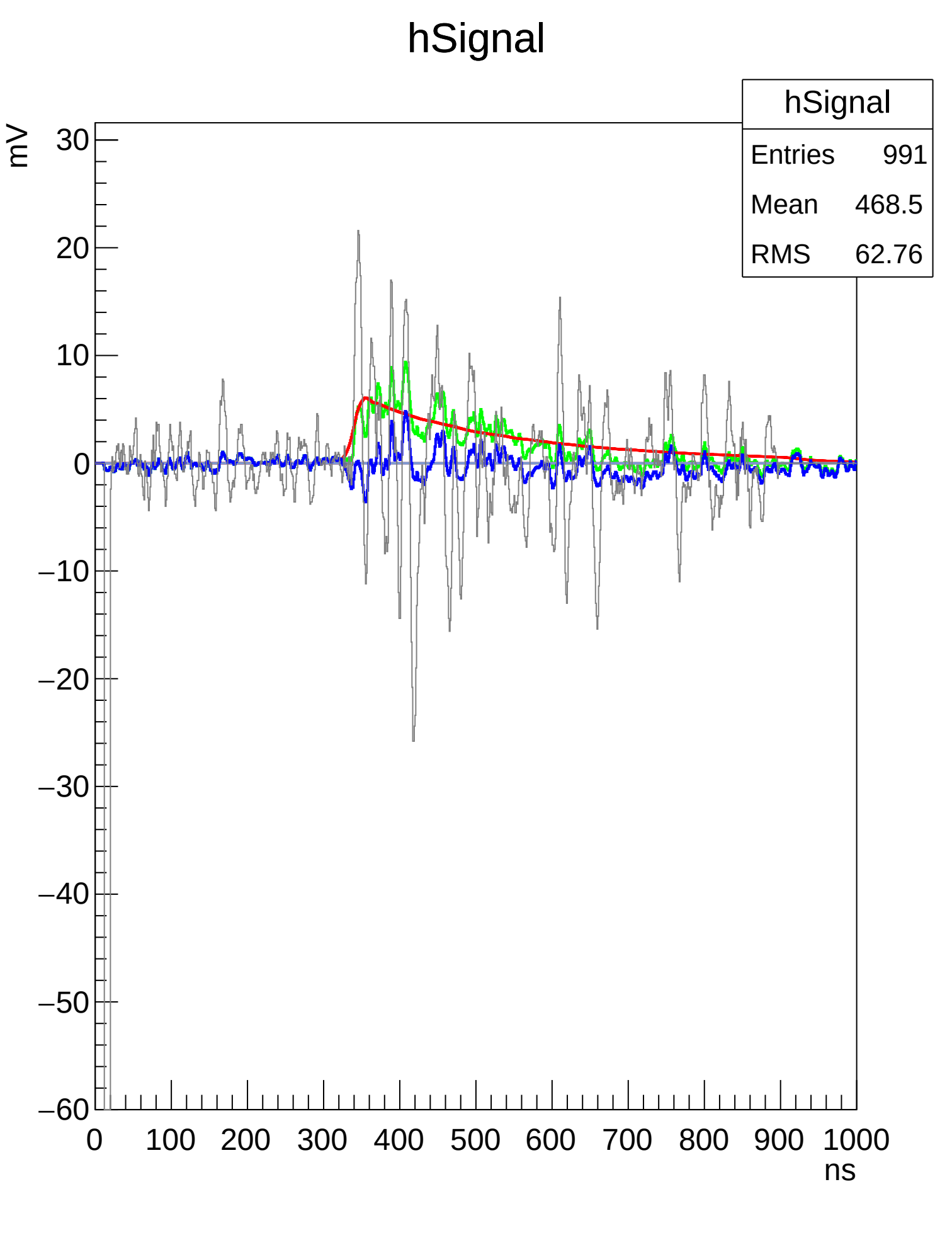
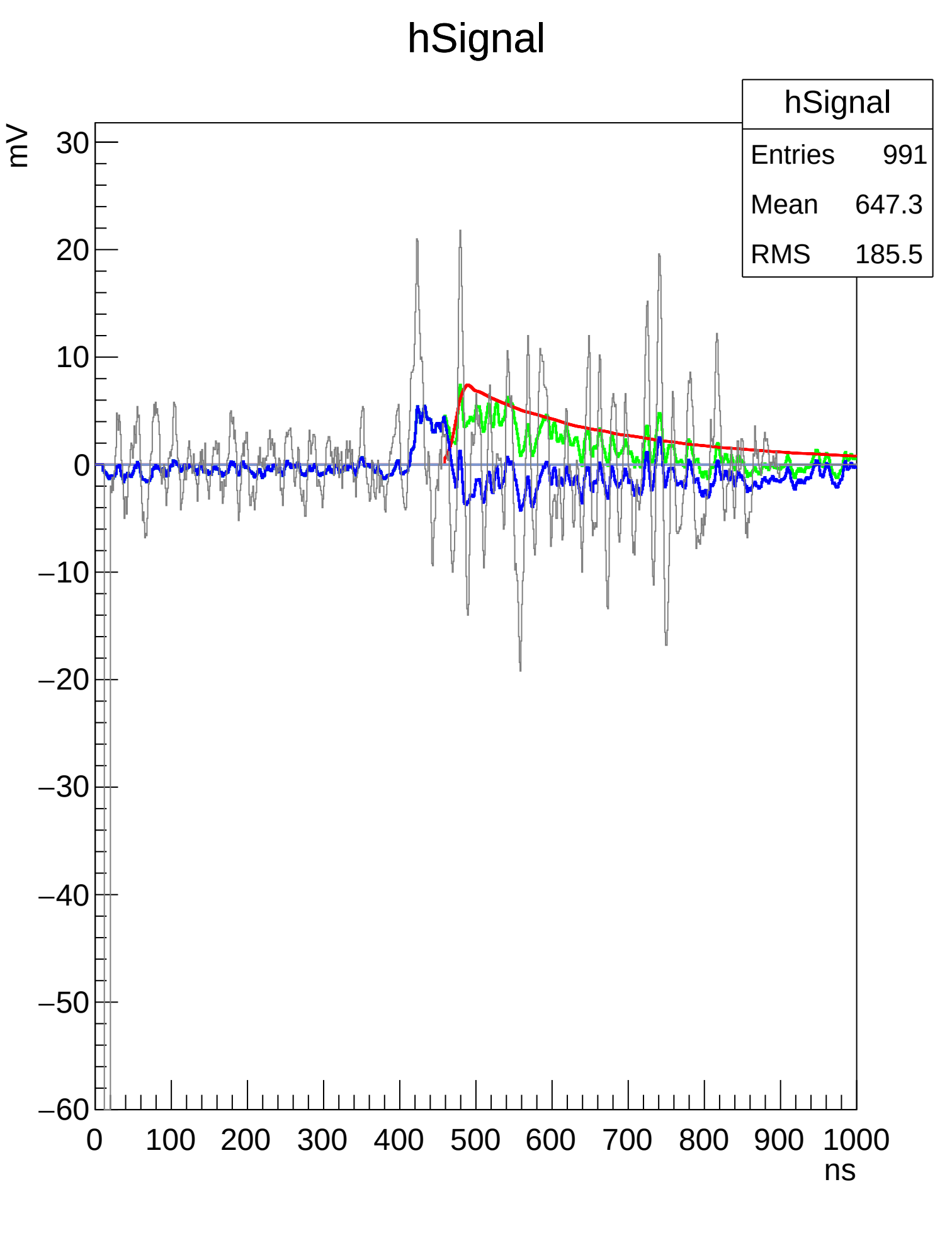
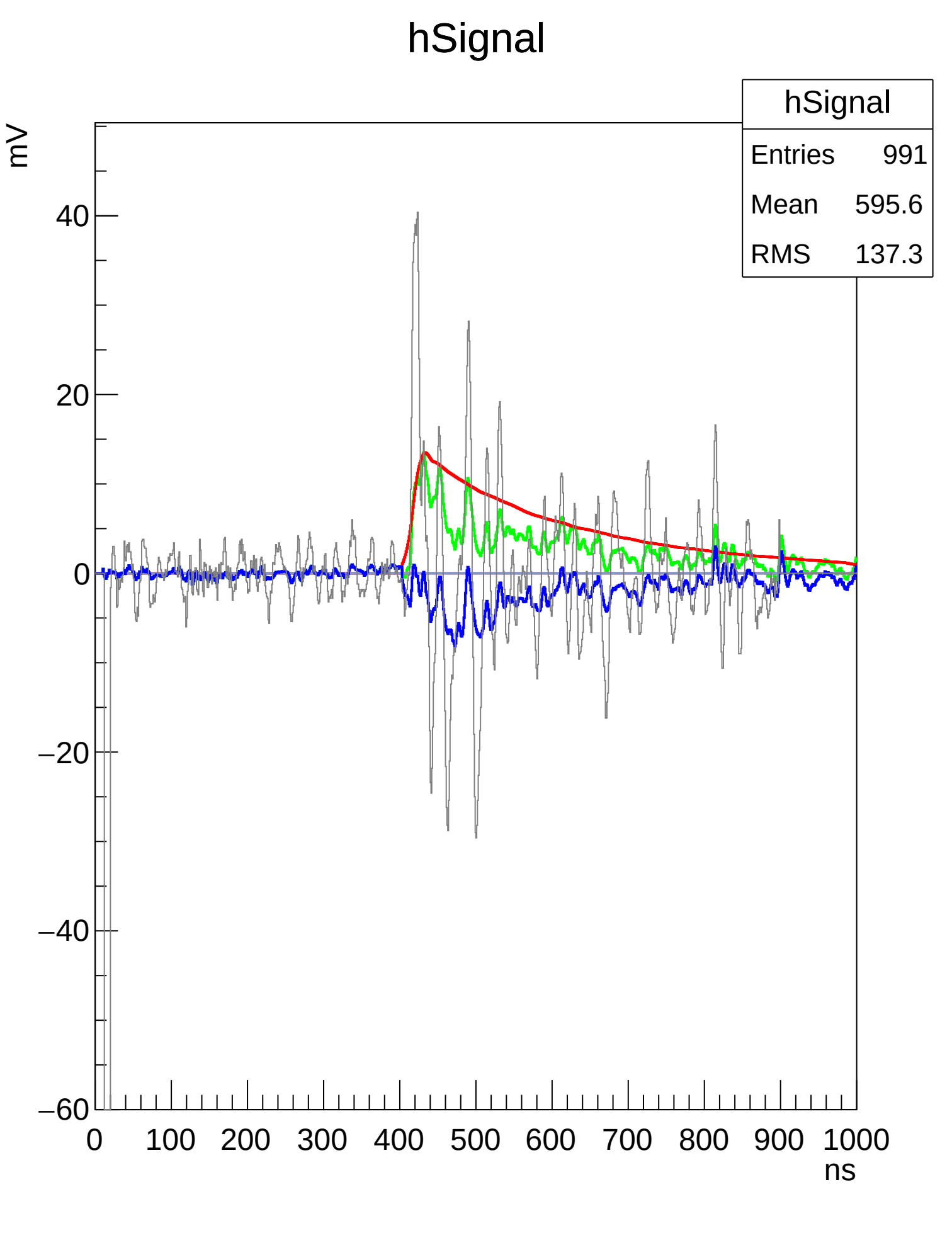
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 468.5
RMS 62.76
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 647.3
RMS 185.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.6
RMS 137.3
mV
40
20
0
−20
−40
−60
0
100
200
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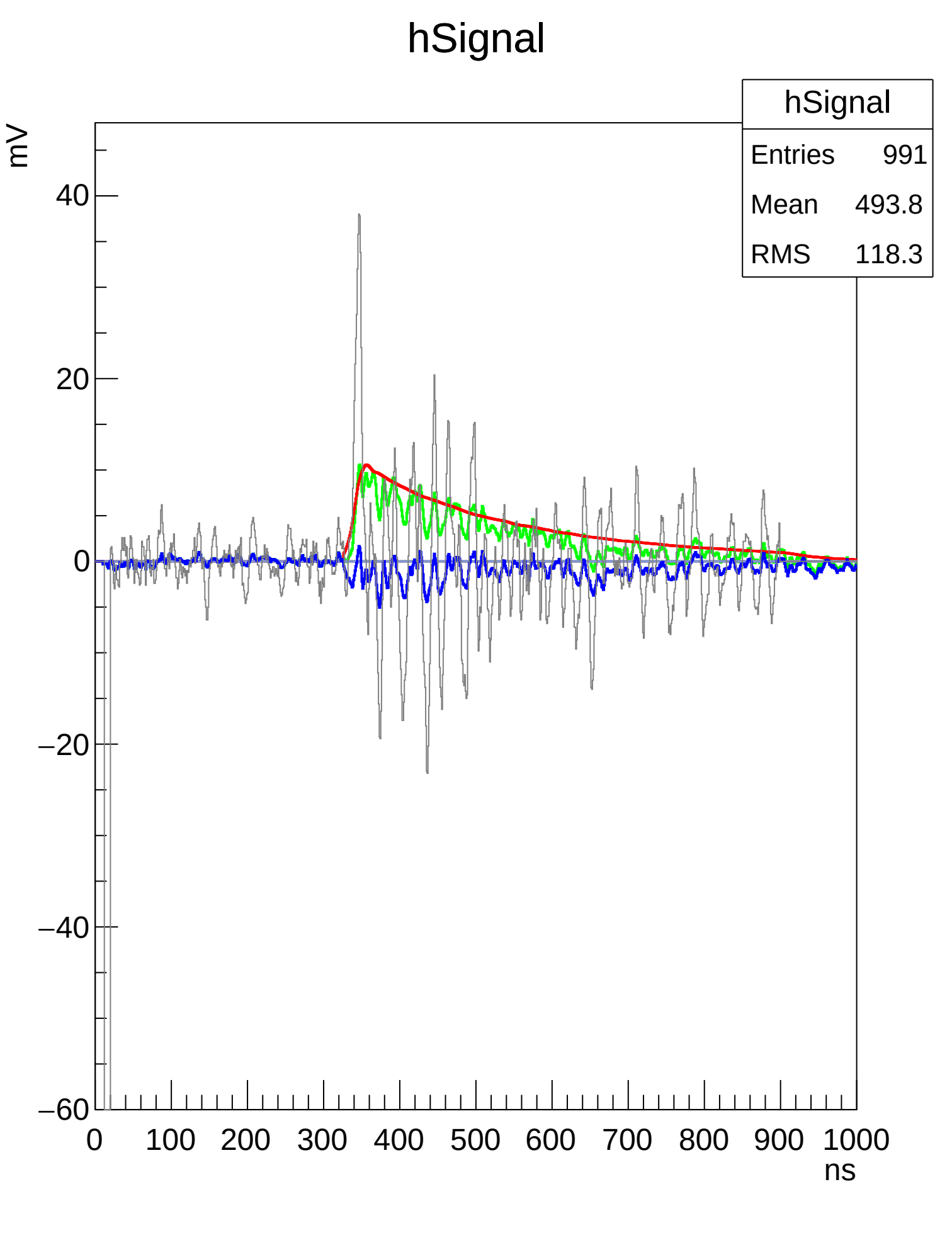
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.8
RMS 118.3
mV
40
20
0
−20
−40
−60
0
100
200
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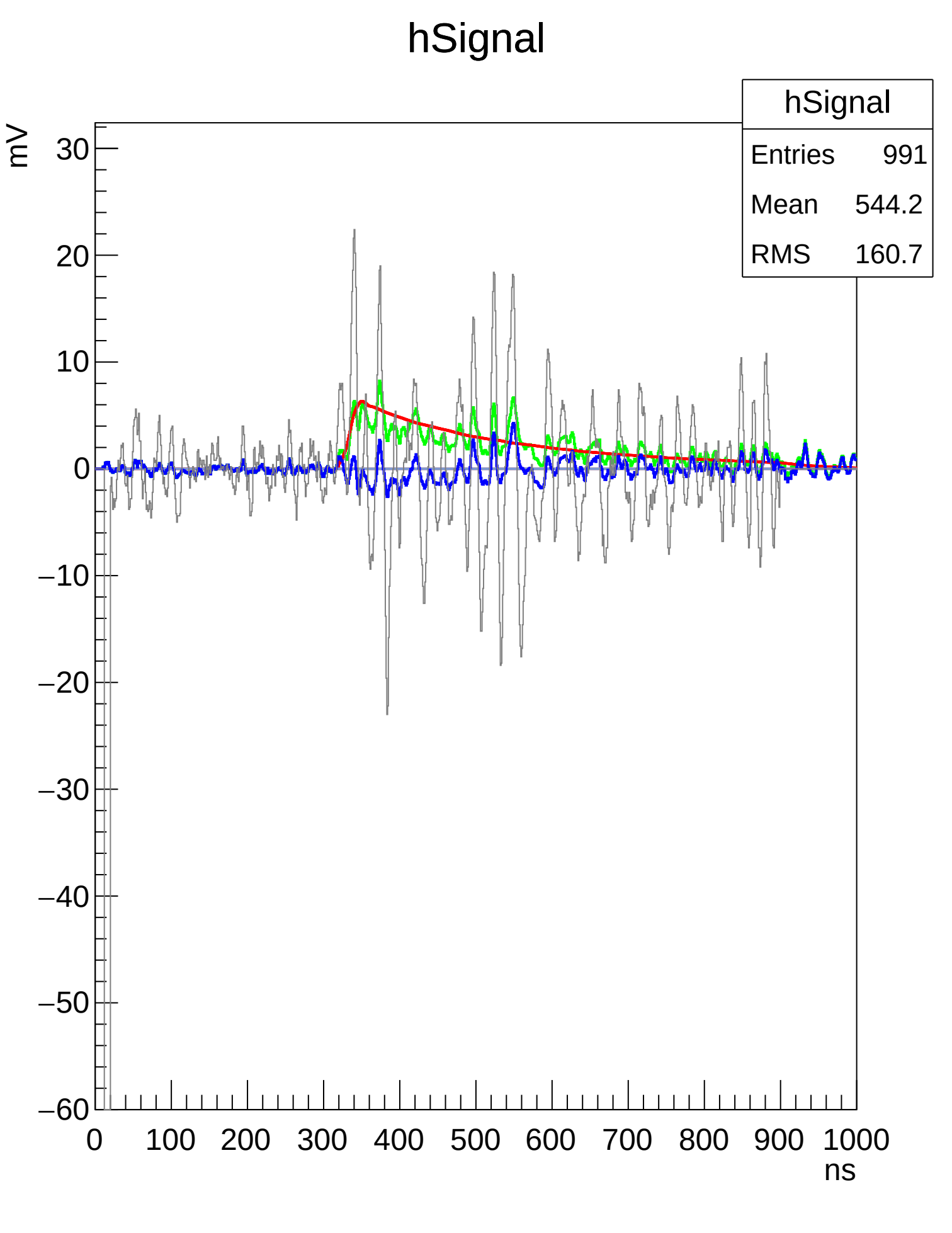
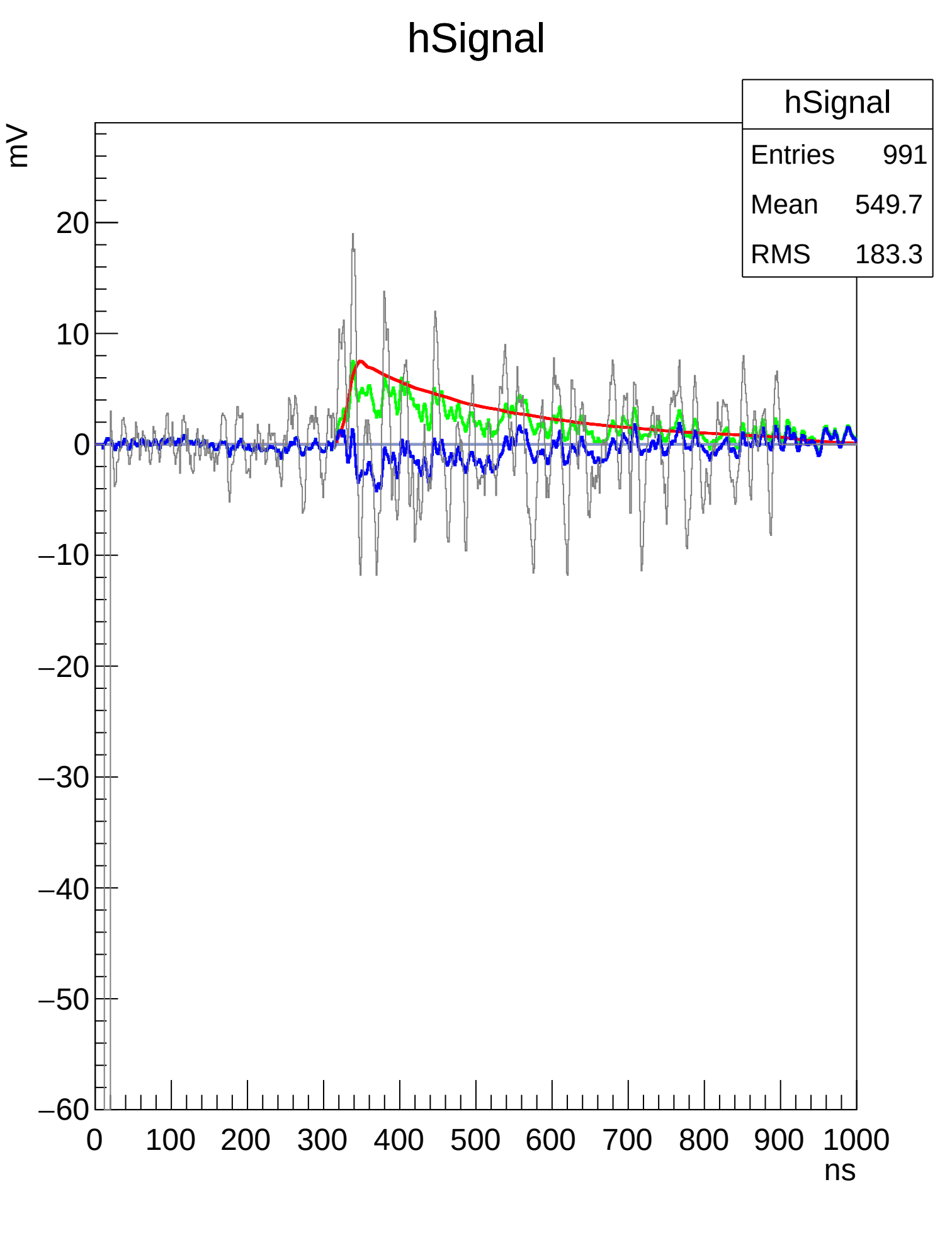
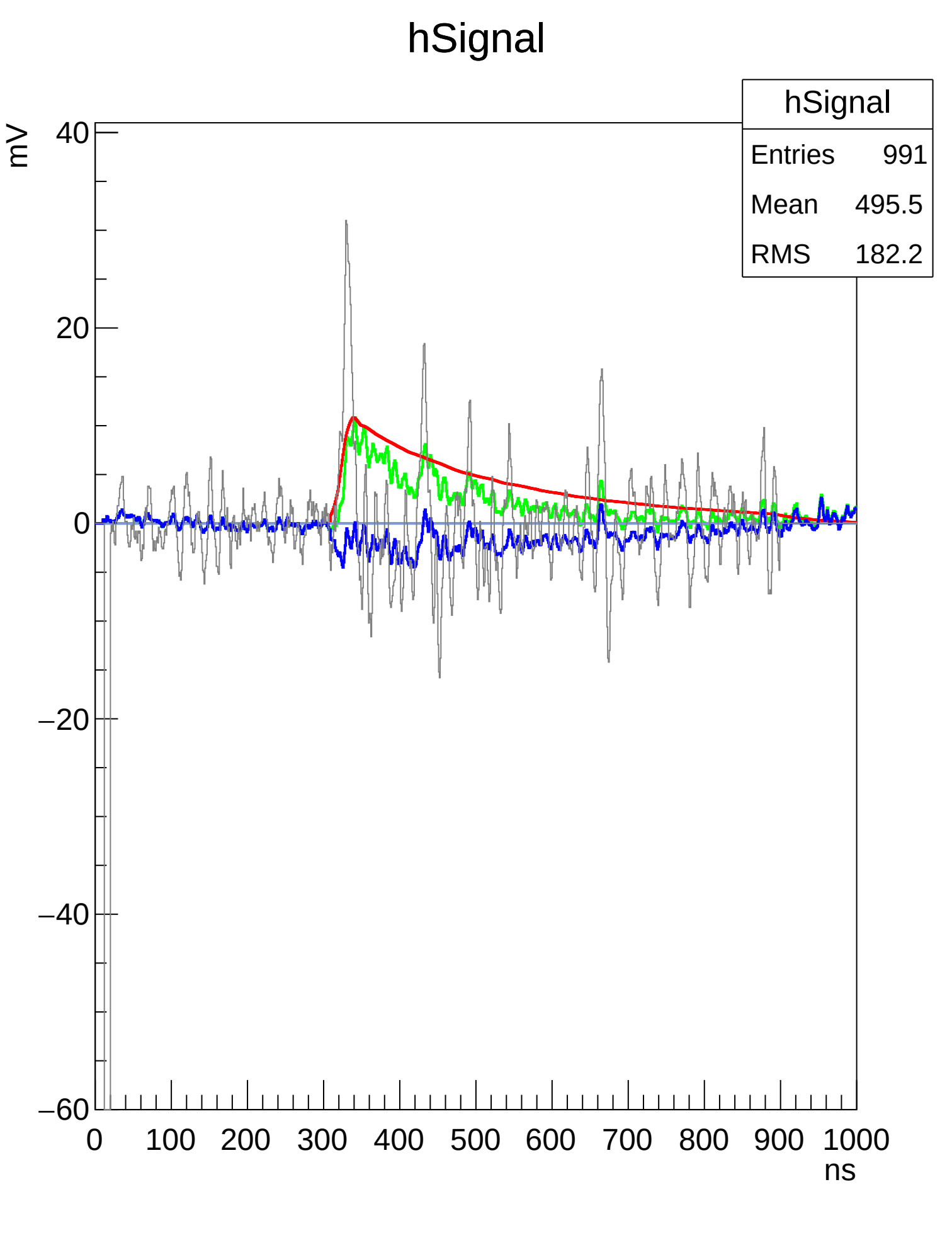
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.2
RMS 160.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.7
RMS 183.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.5
RMS 182.2
mV
40
20
0
−20
−40
−60
0
100
200
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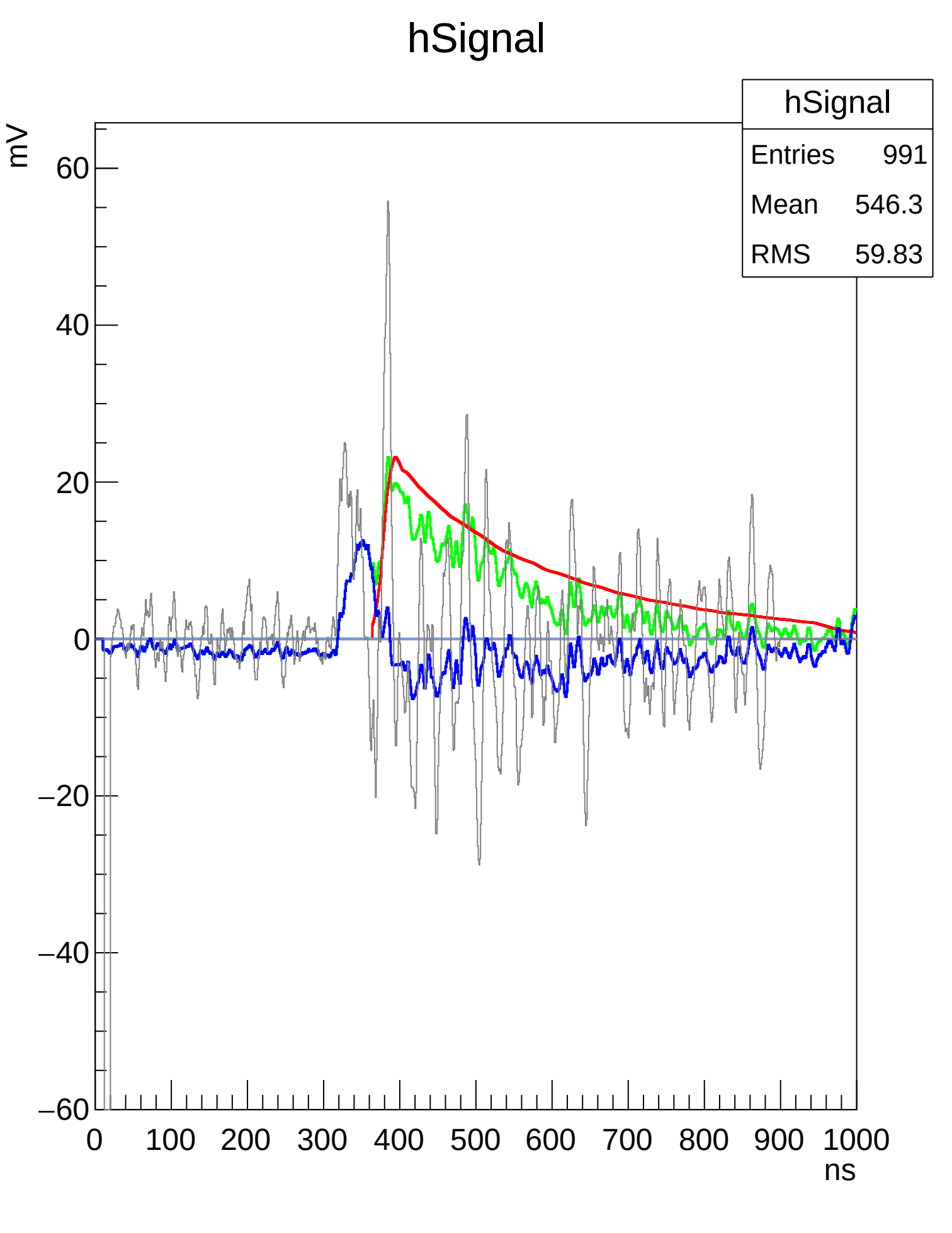
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.3
RMS 59.83
mV
60
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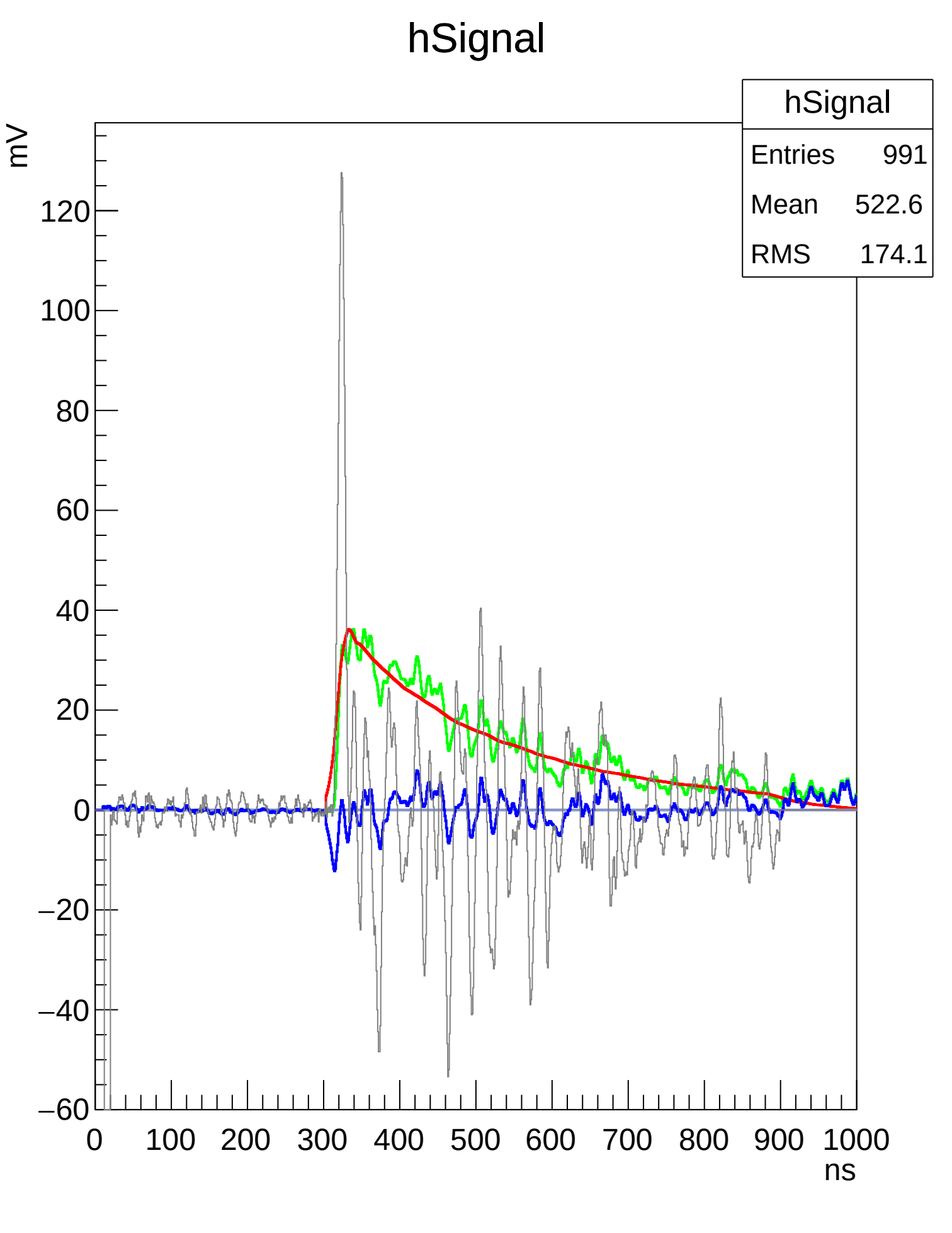
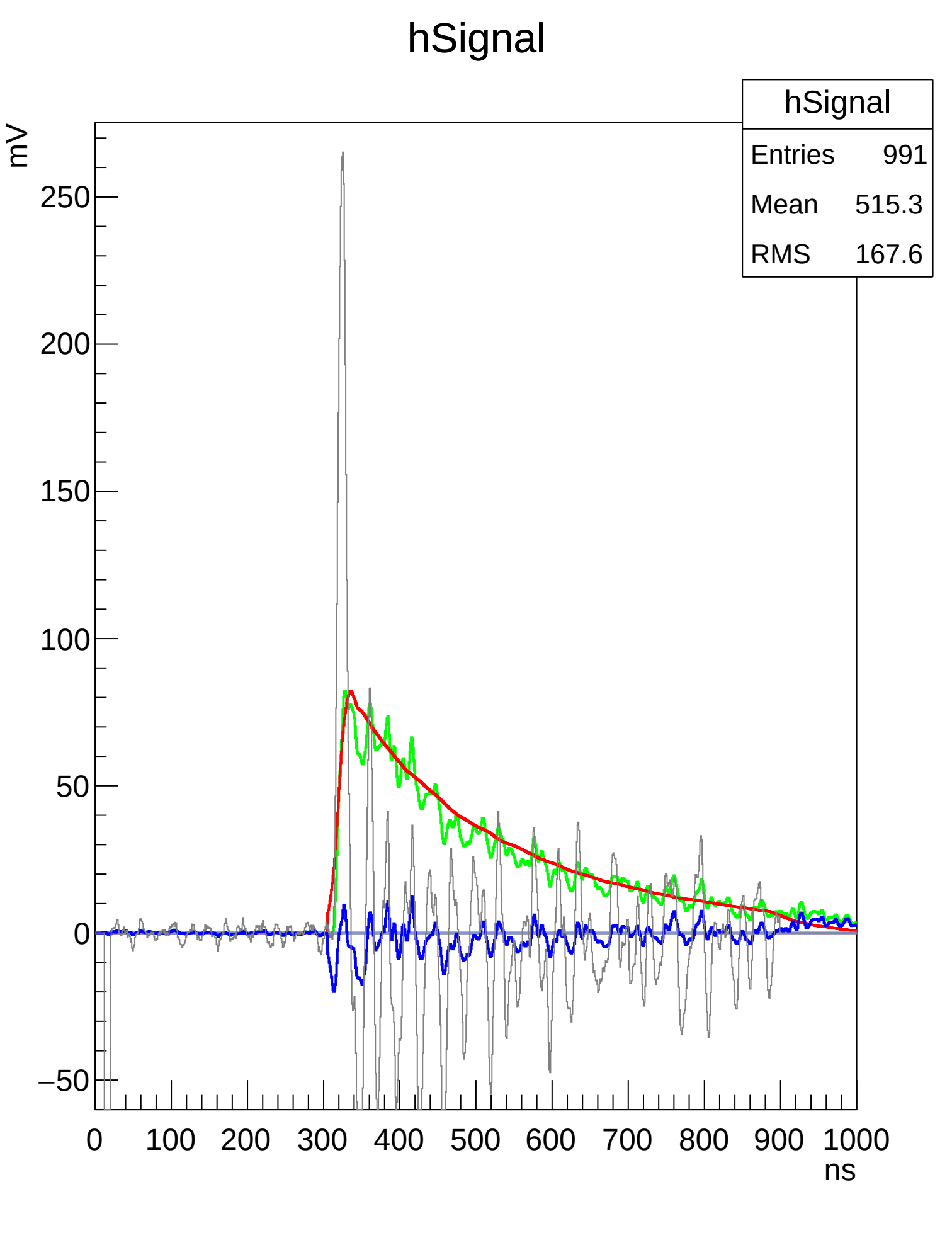
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.6
RMS 174.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.3
RMS 167.6
mV
250
200
150
100
50
0
−50
0
100
200
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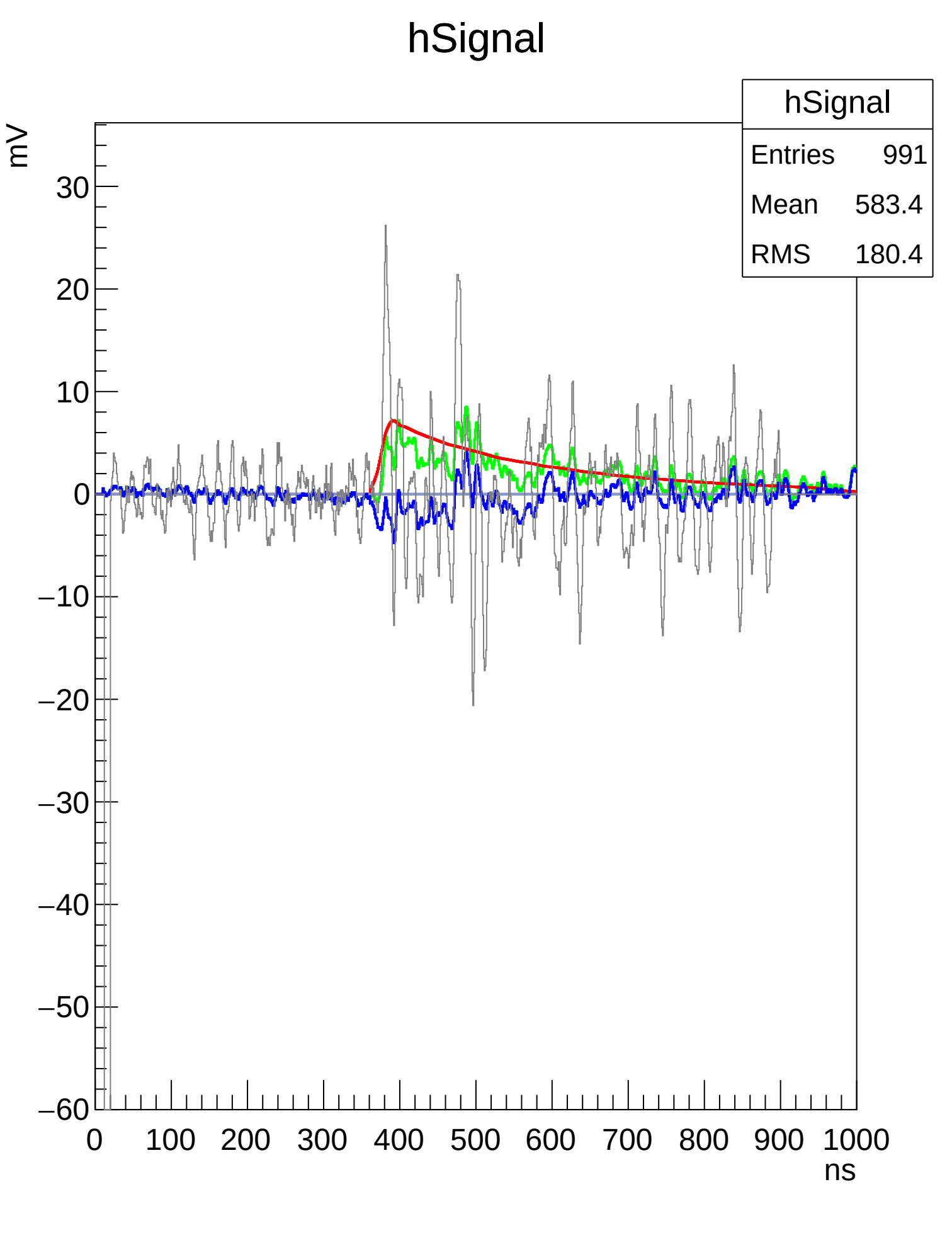
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.4
RMS 180.4
mV
30
20
10
0
−10
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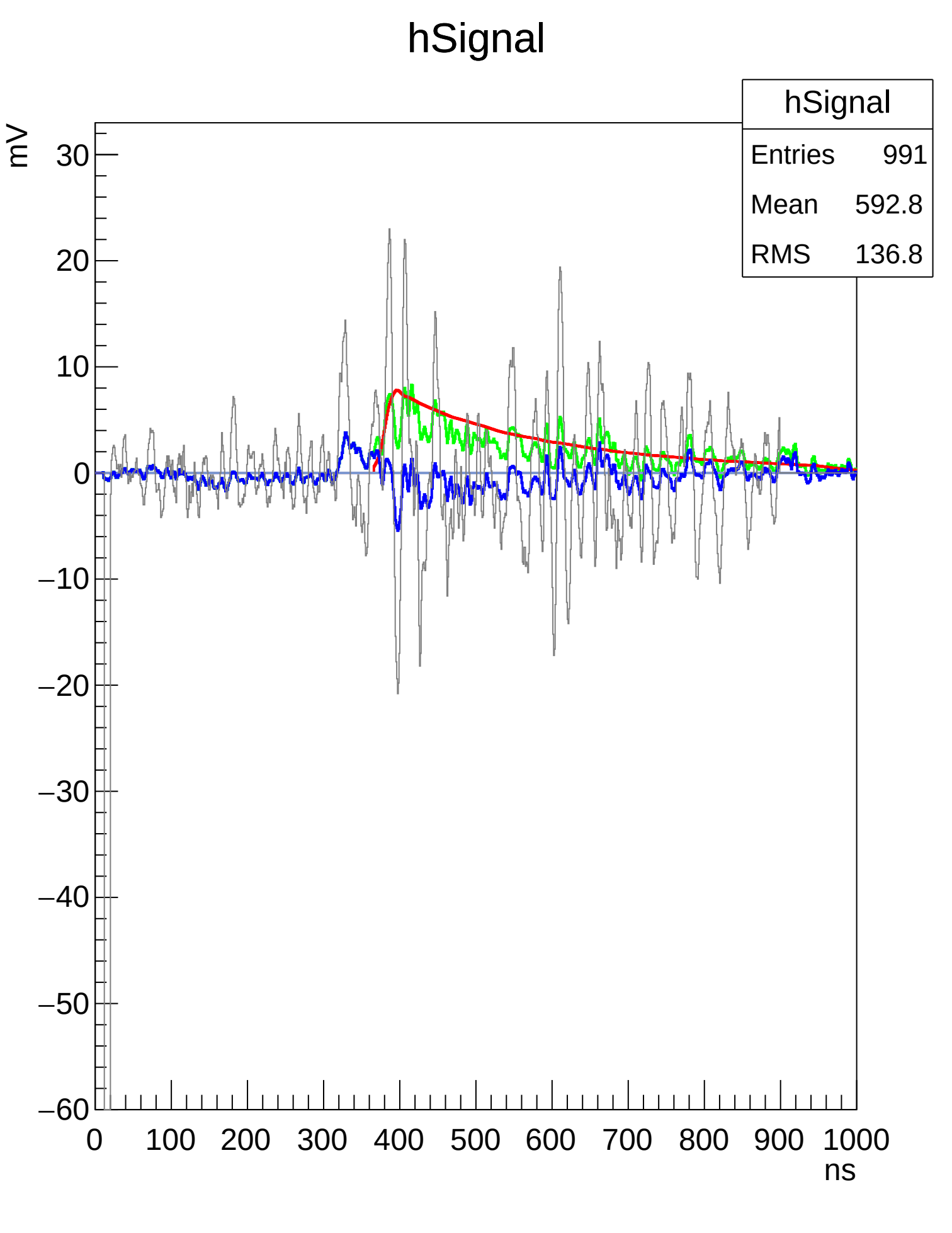
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.8
RMS 136.8
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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600
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800
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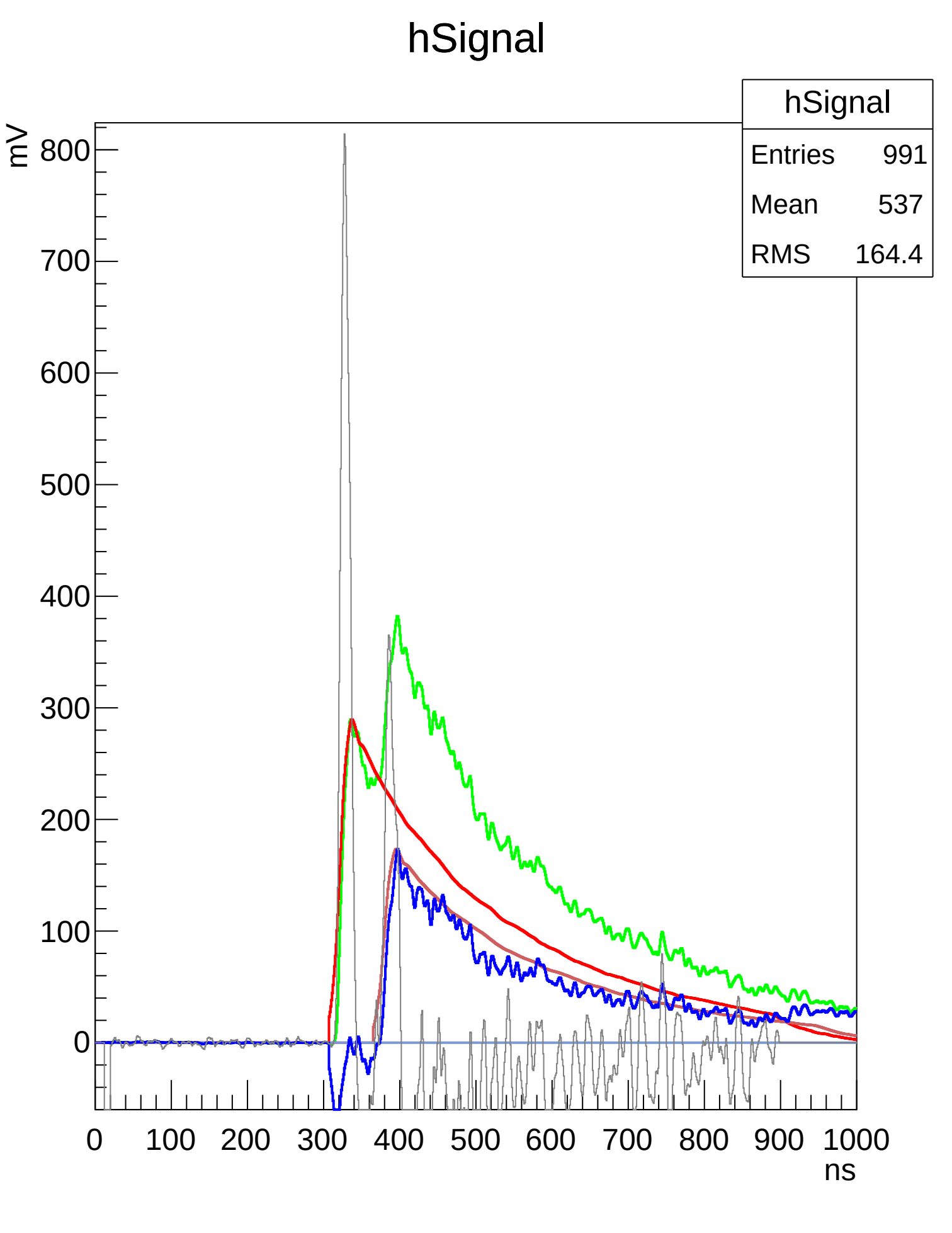
1000
ns


hSignal
hSignal
Entries 991
Mean 537
RMS 164.4
mV
800
700
600
500
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300
200
100
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0
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200
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400
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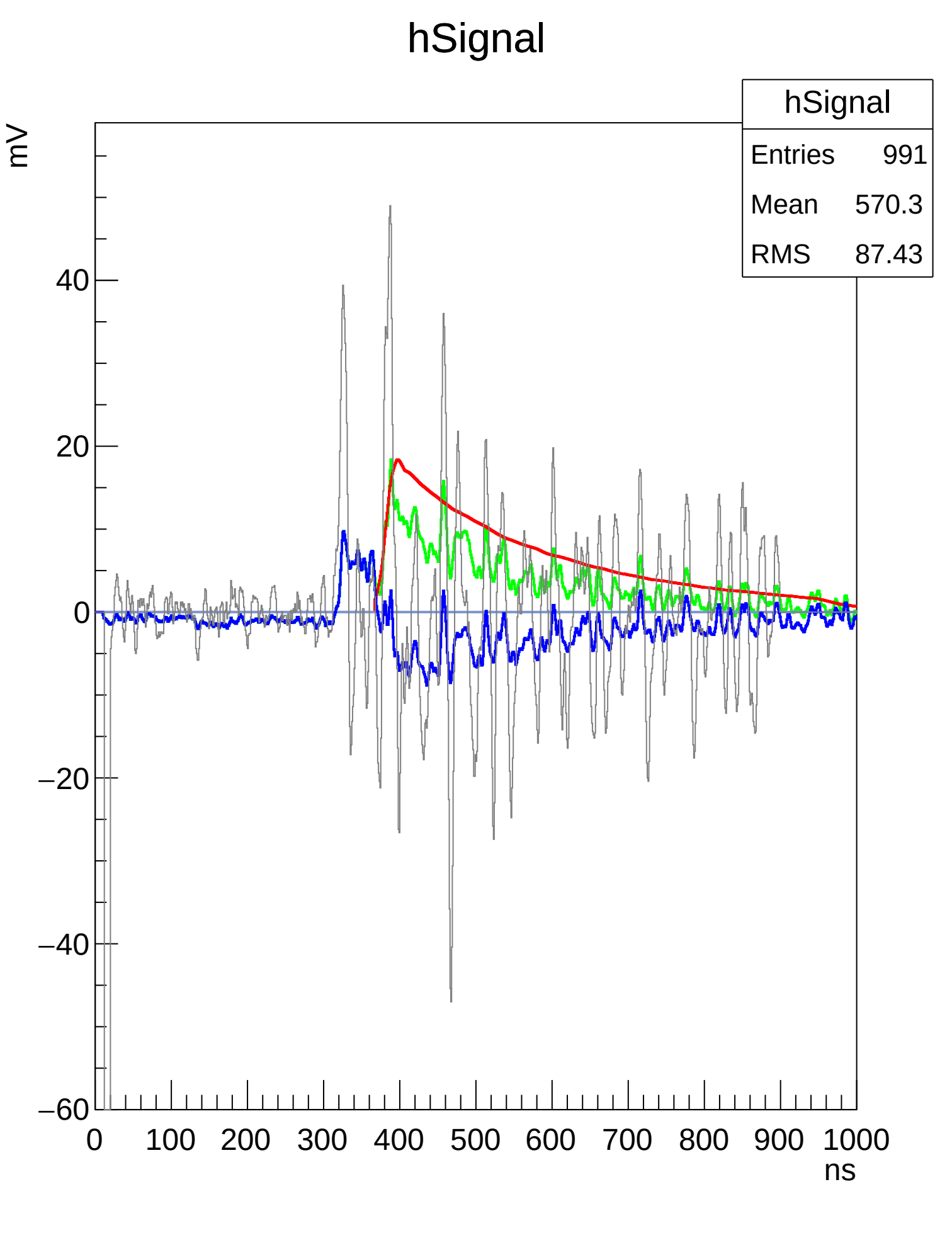
hSignal
hSignal
Entries 991
Mean 570.3
RMS 87.43
mV
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−40
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0
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600
700
800
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1000
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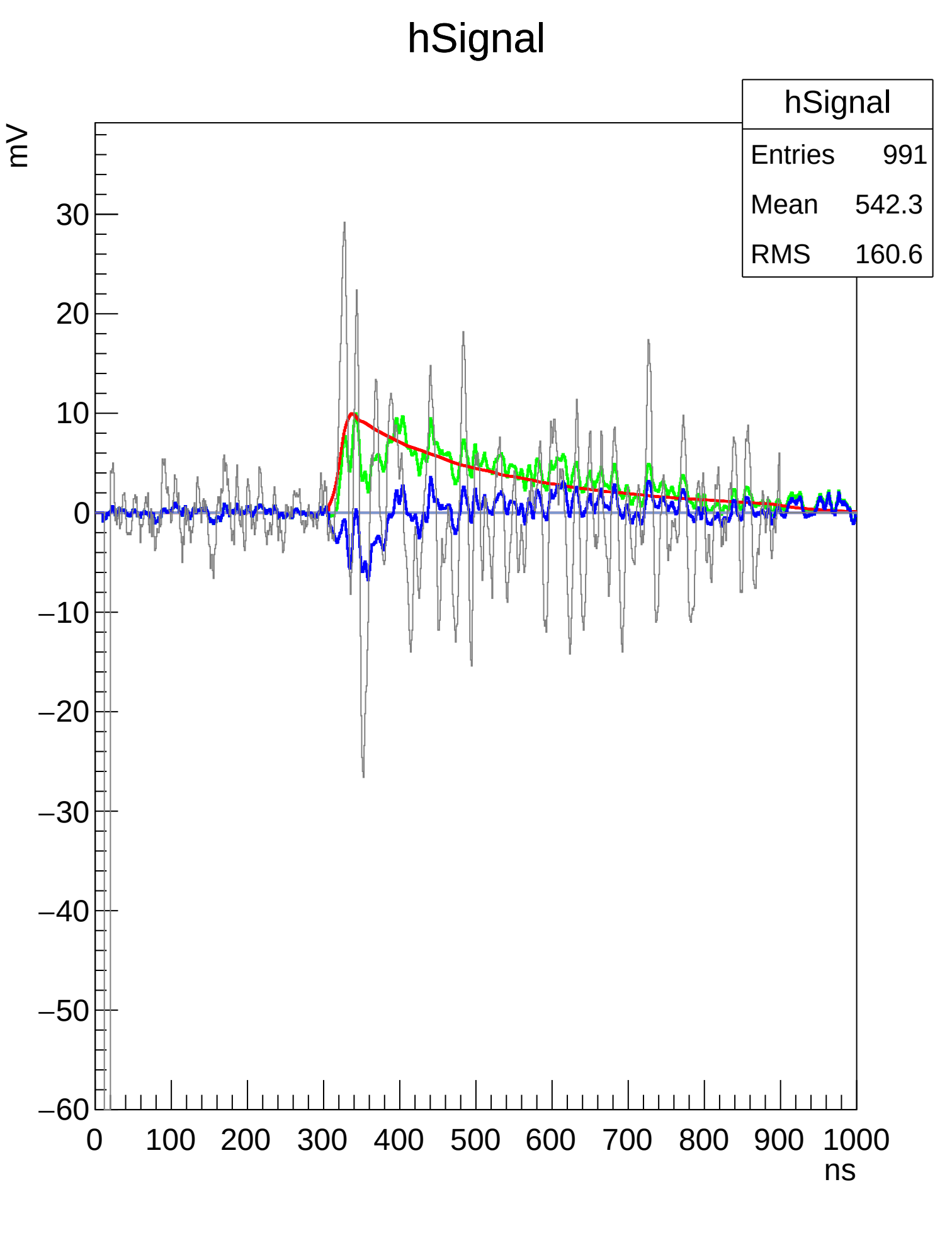
hSignal
hSignal
Entries 991
Mean 542.3
RMS 160.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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1000
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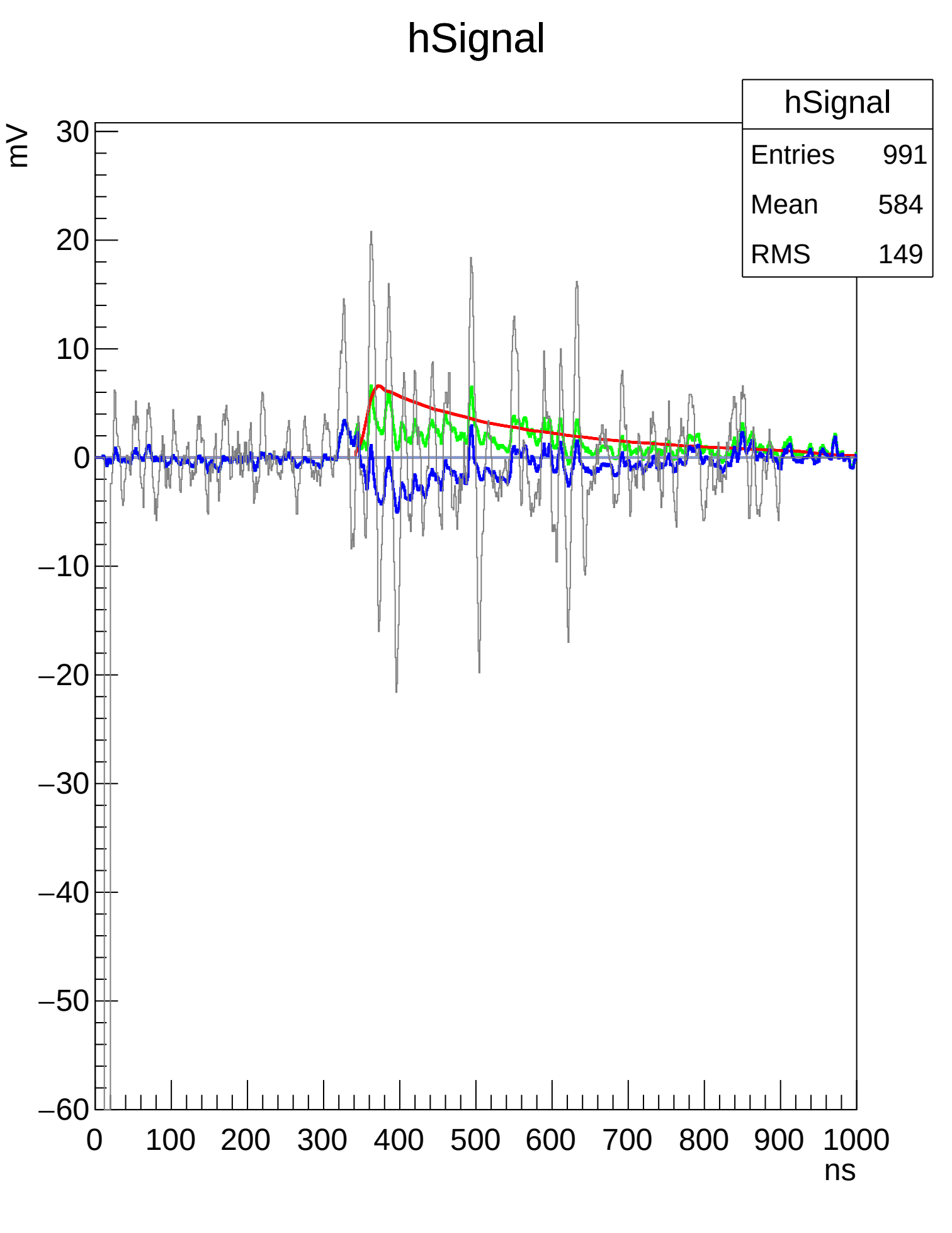
hSignal
hSignal
Entries 991
Mean 584
RMS 149
mV
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20
10
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−40
−50
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0
100
200
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400
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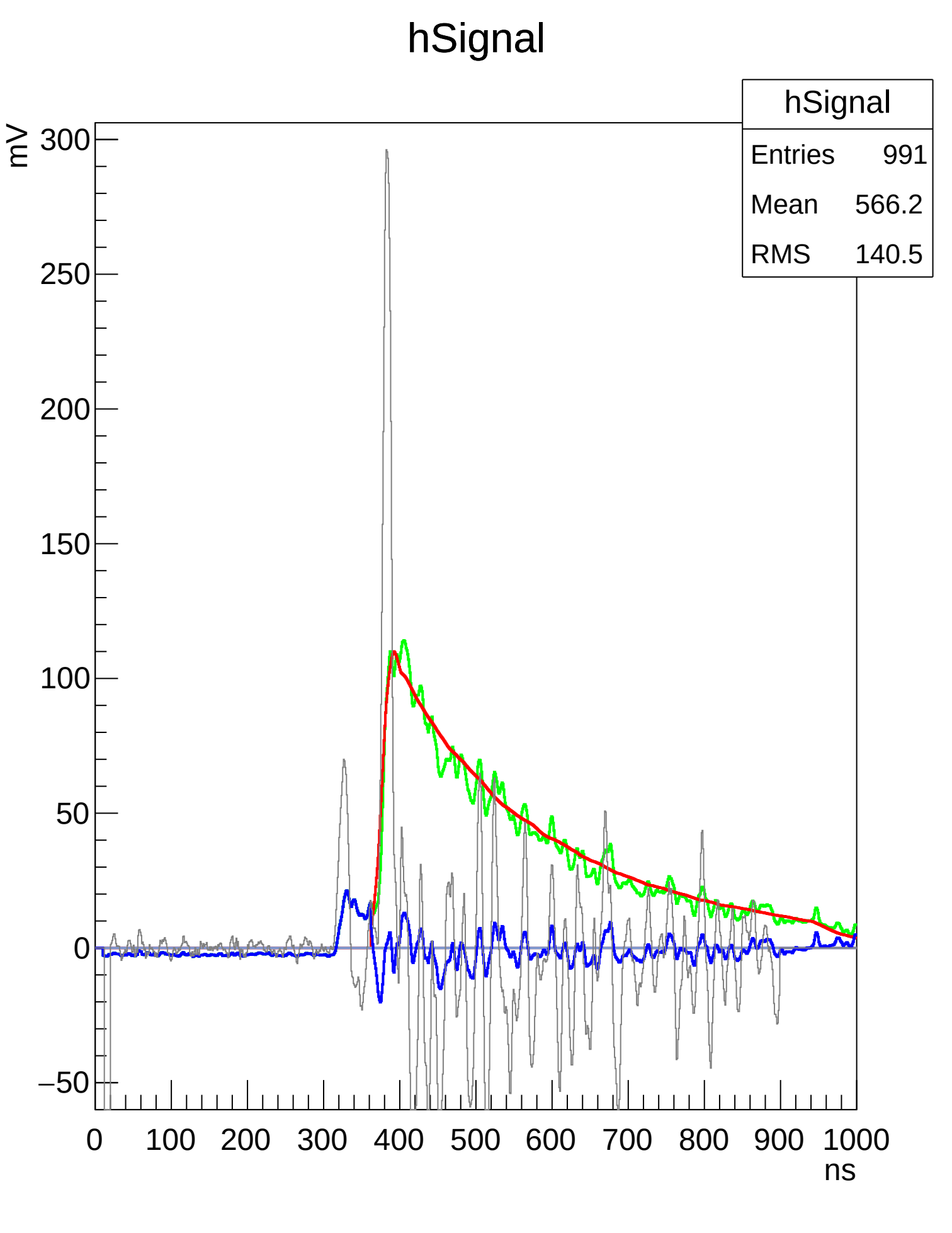
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.2
RMS 140.5
mV
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200
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100
50
0
−50
0
100
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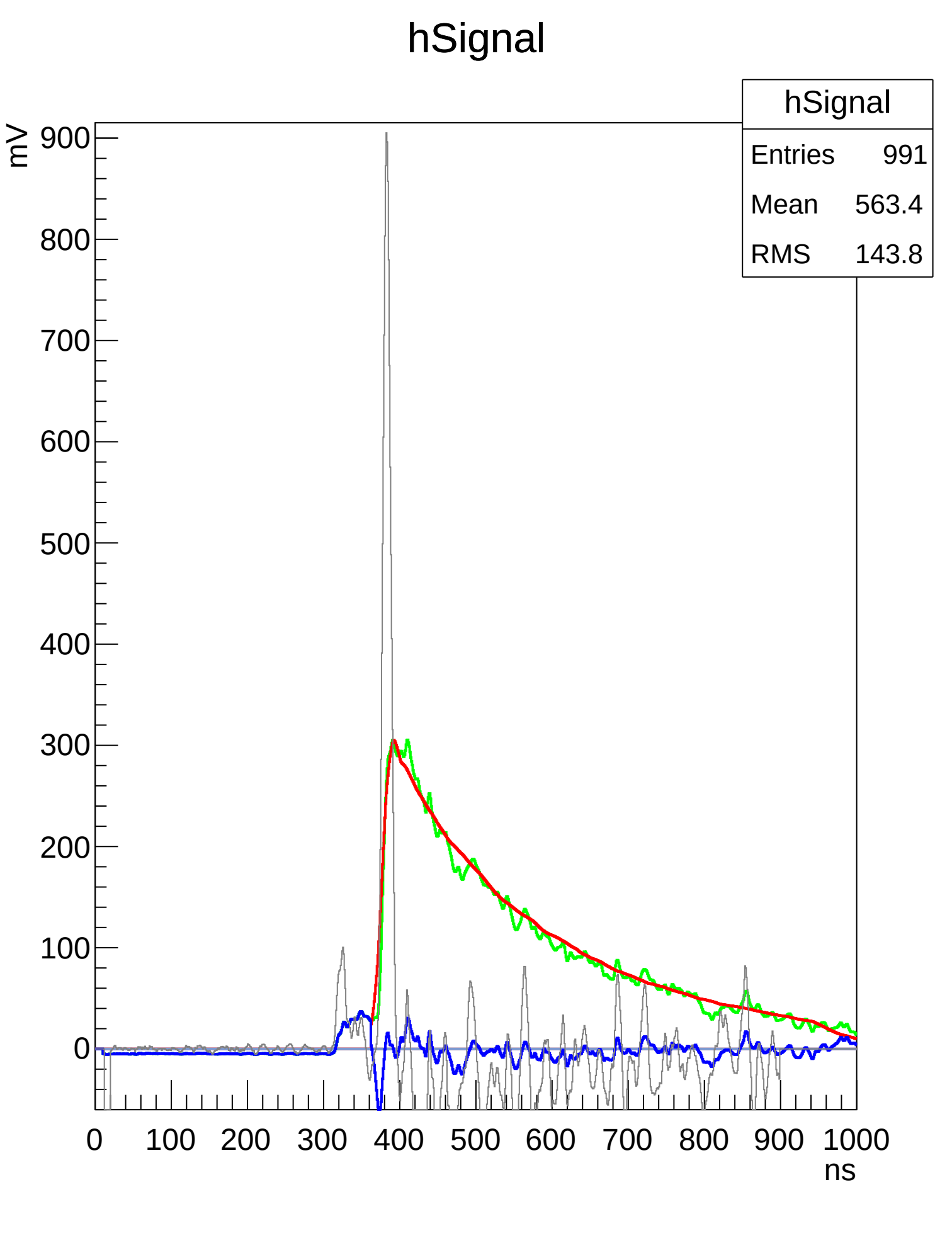
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.4
RMS 143.8
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
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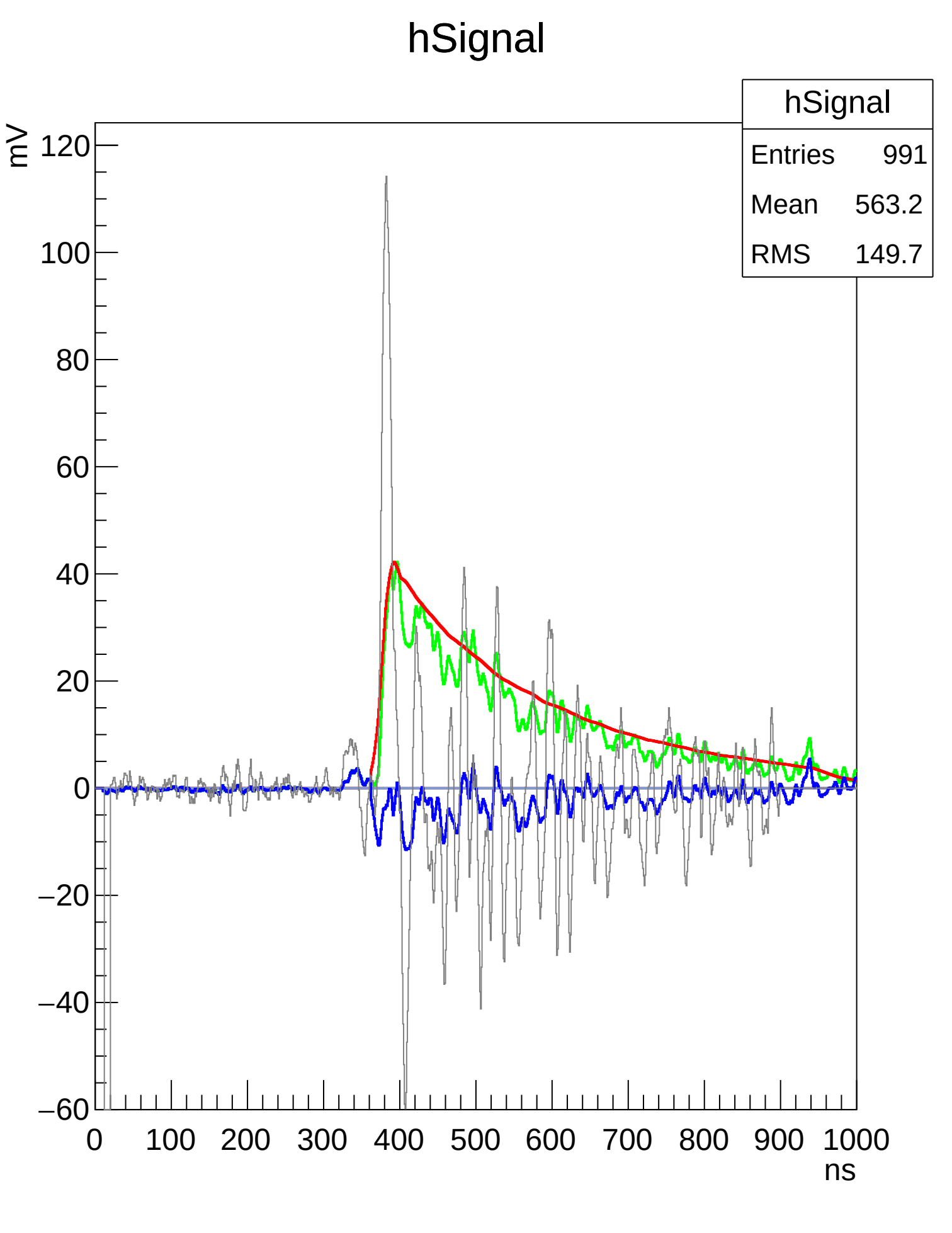
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.2
RMS 149.7
mV
120
100
80
60
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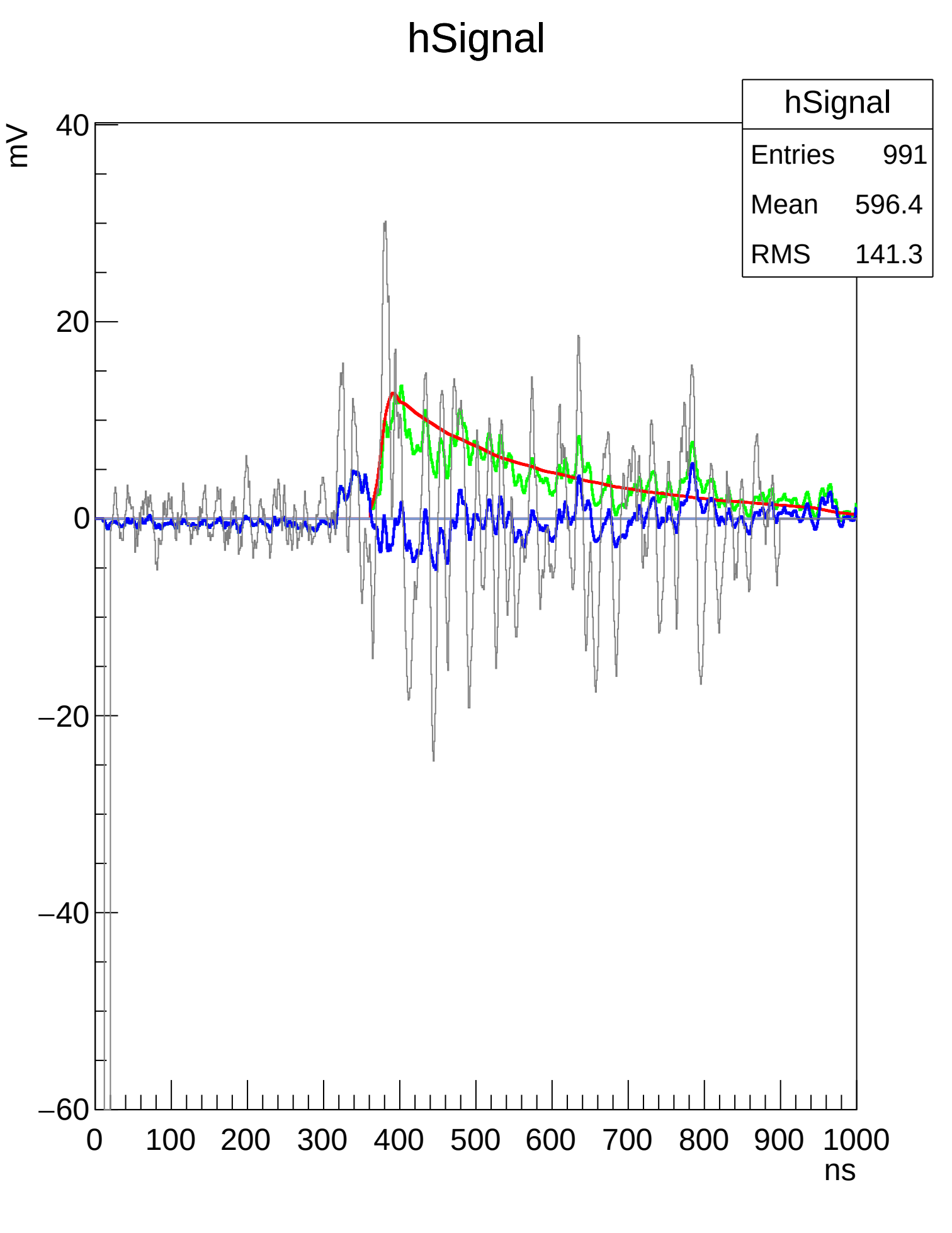
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 141.3
mV
40
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−20
−40
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0
100
200
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600
700
800
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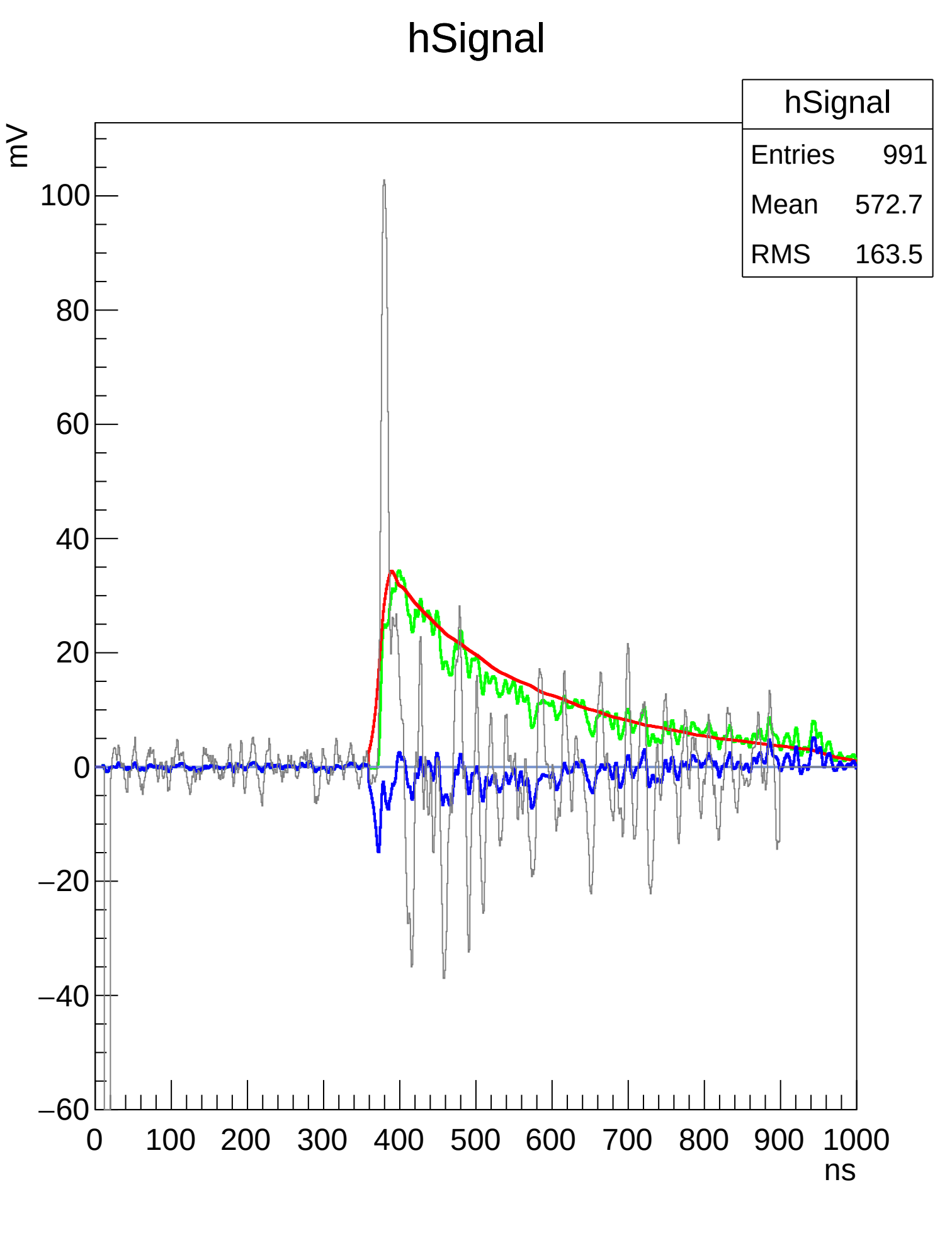
1000
ns


hSignal
hSignal
Entries 991
Mean 572.7
RMS 163.5
mV
100
80
60
40
20
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−20
−40
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0
100
200
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400
500
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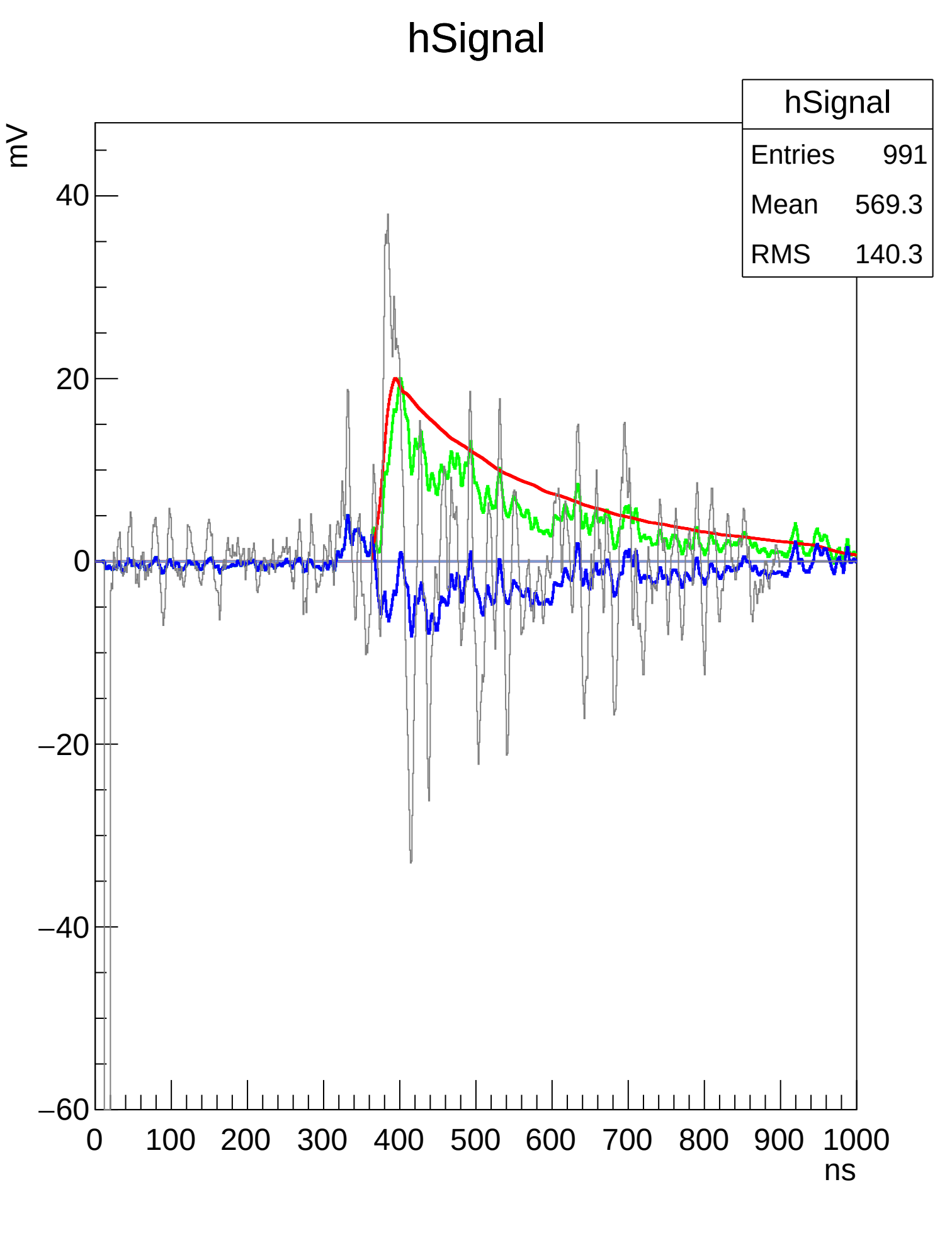
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.3
RMS 140.3
mV
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−20
−40
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0
100
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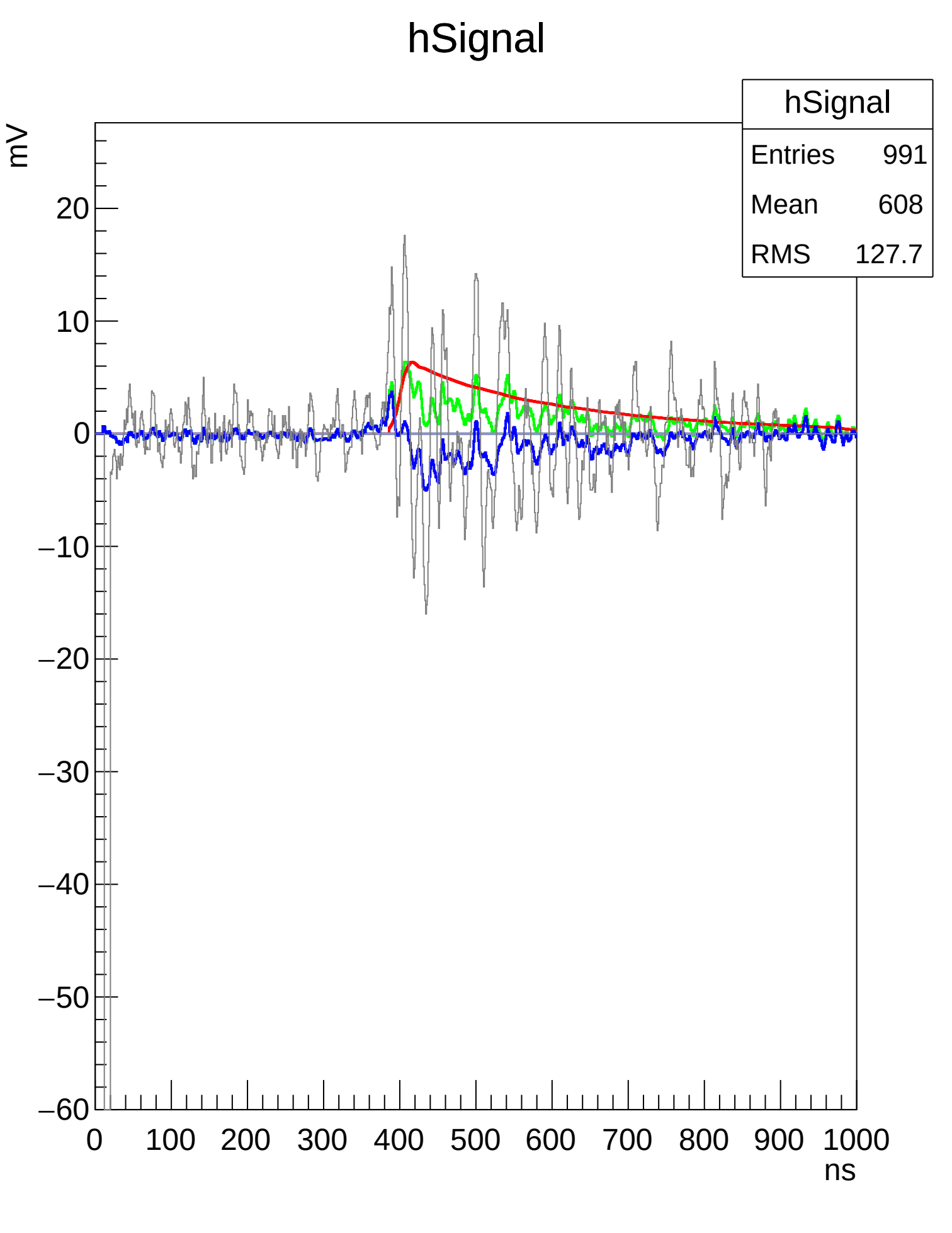
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608
RMS 127.7
mV
20
10
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−10
−20
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−40
−50
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0
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200
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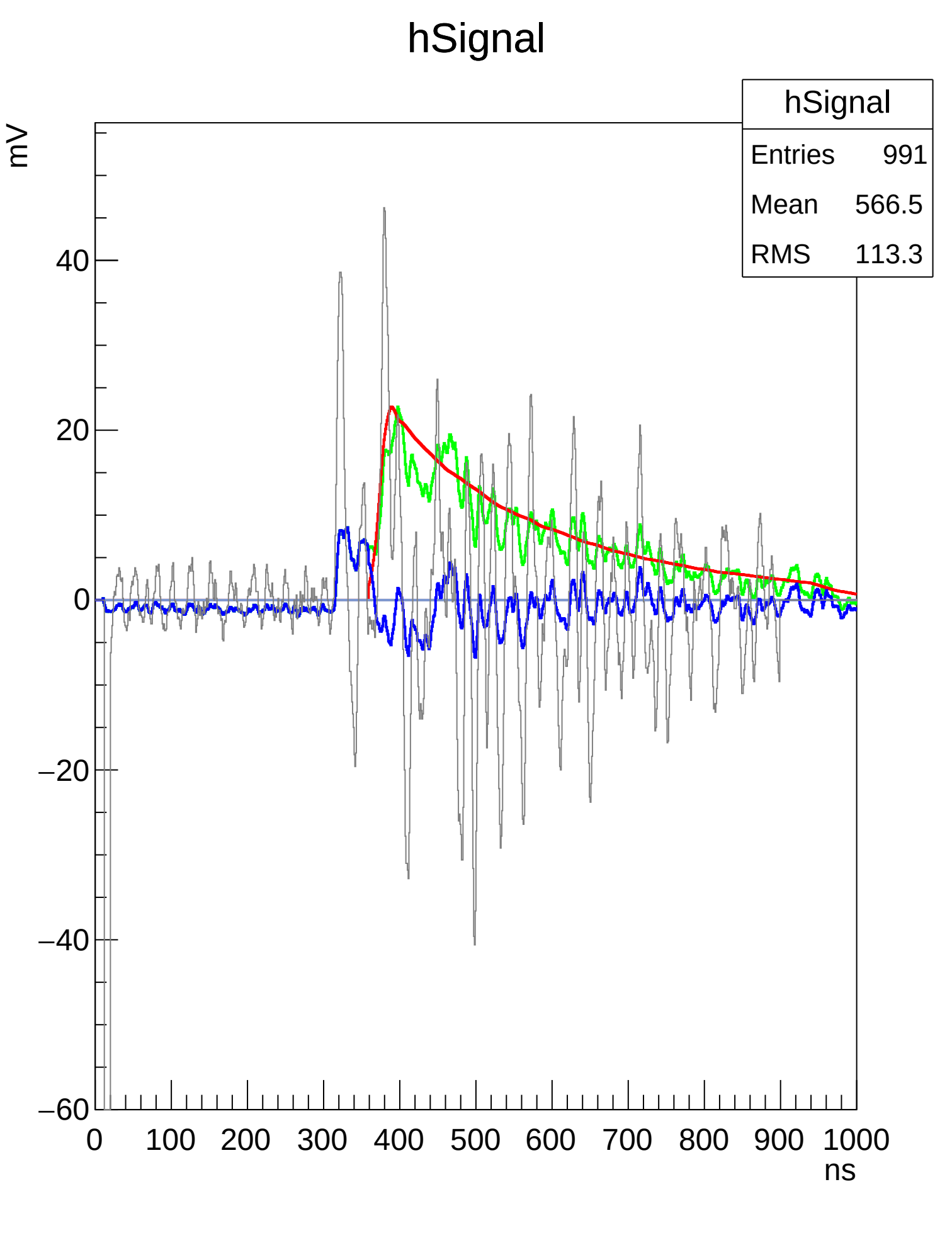
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.5
RMS 113.3
mV
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−20
−40
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0
100
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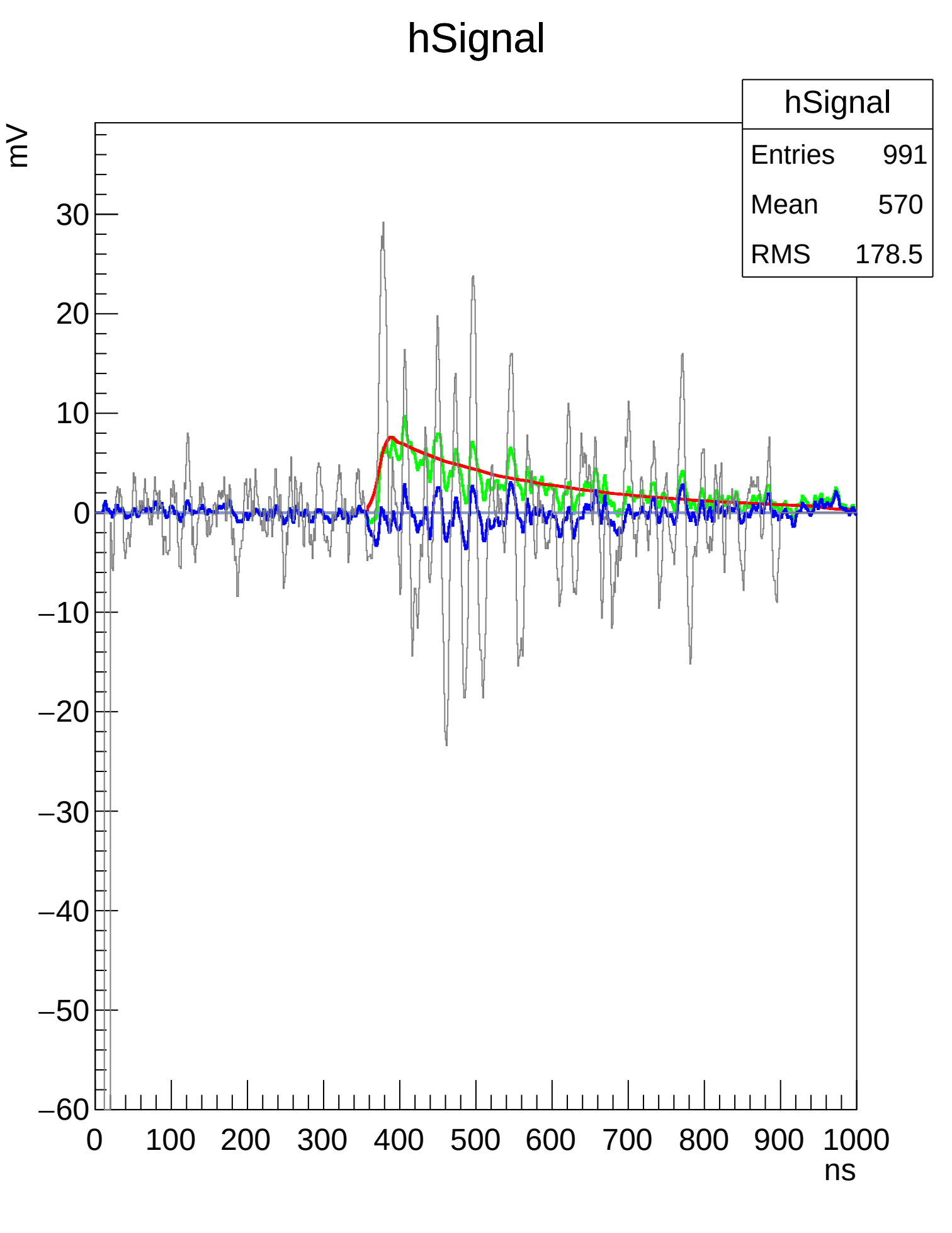
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570
RMS 178.5
mV
30
20
10
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0
100
200
300
400
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800
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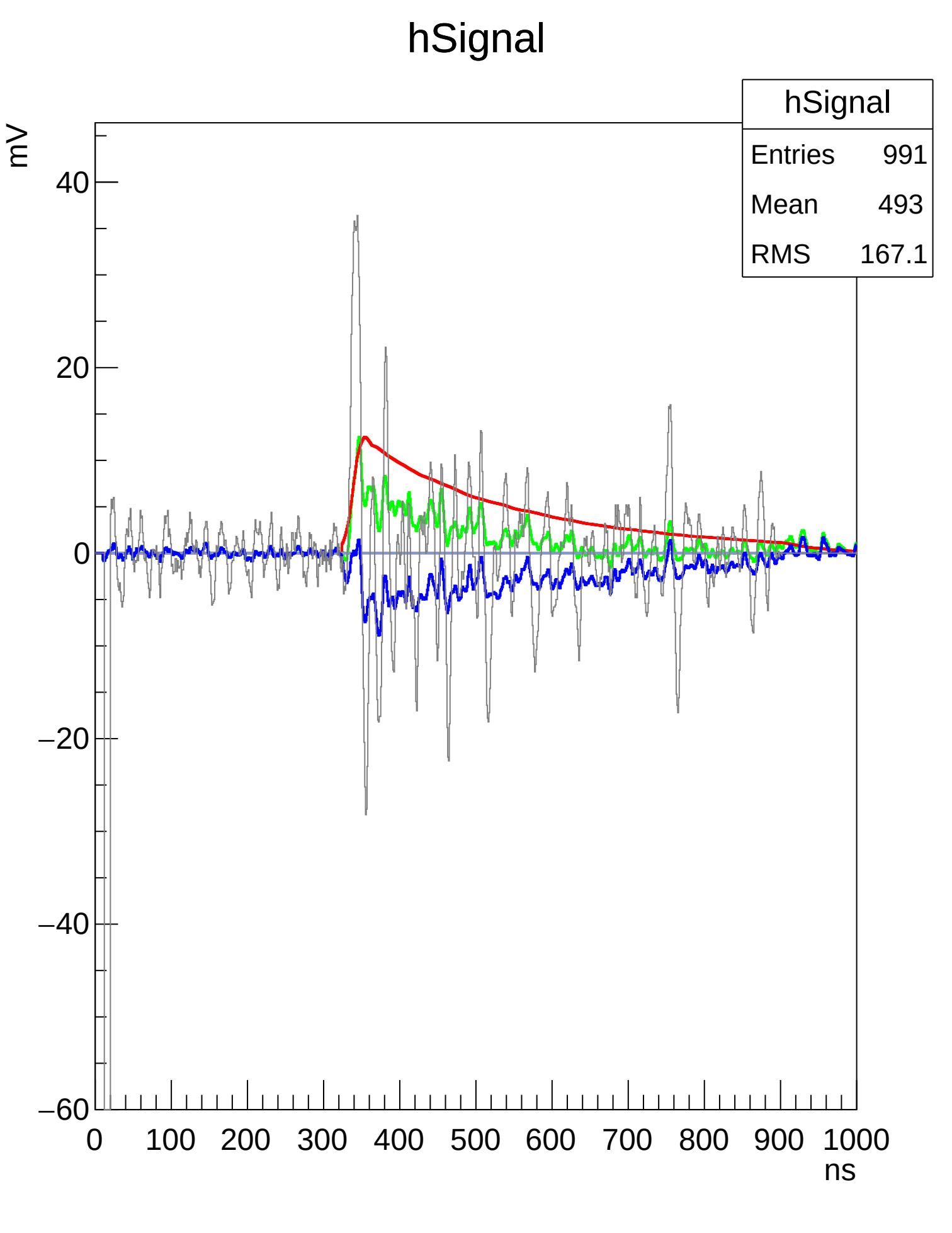
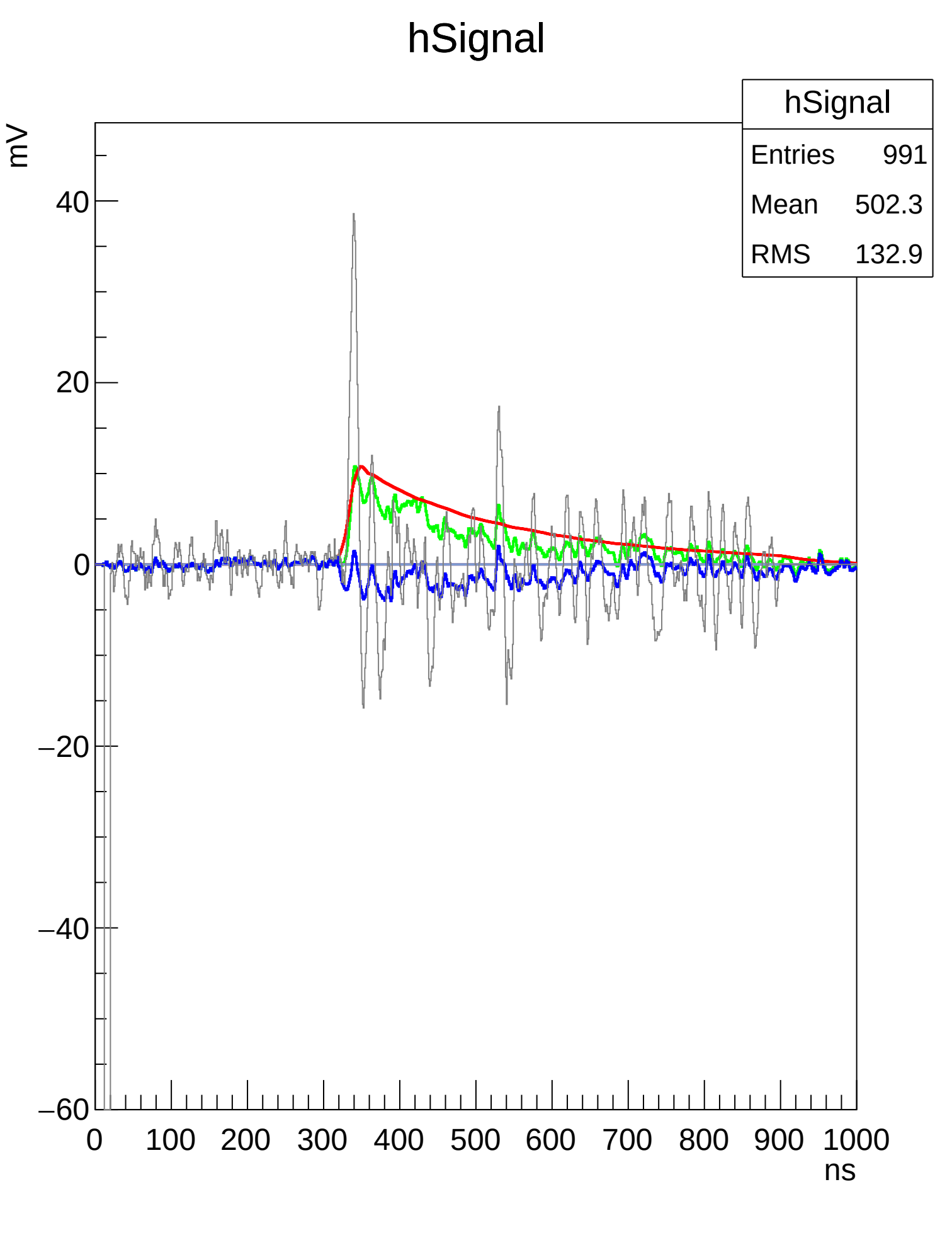
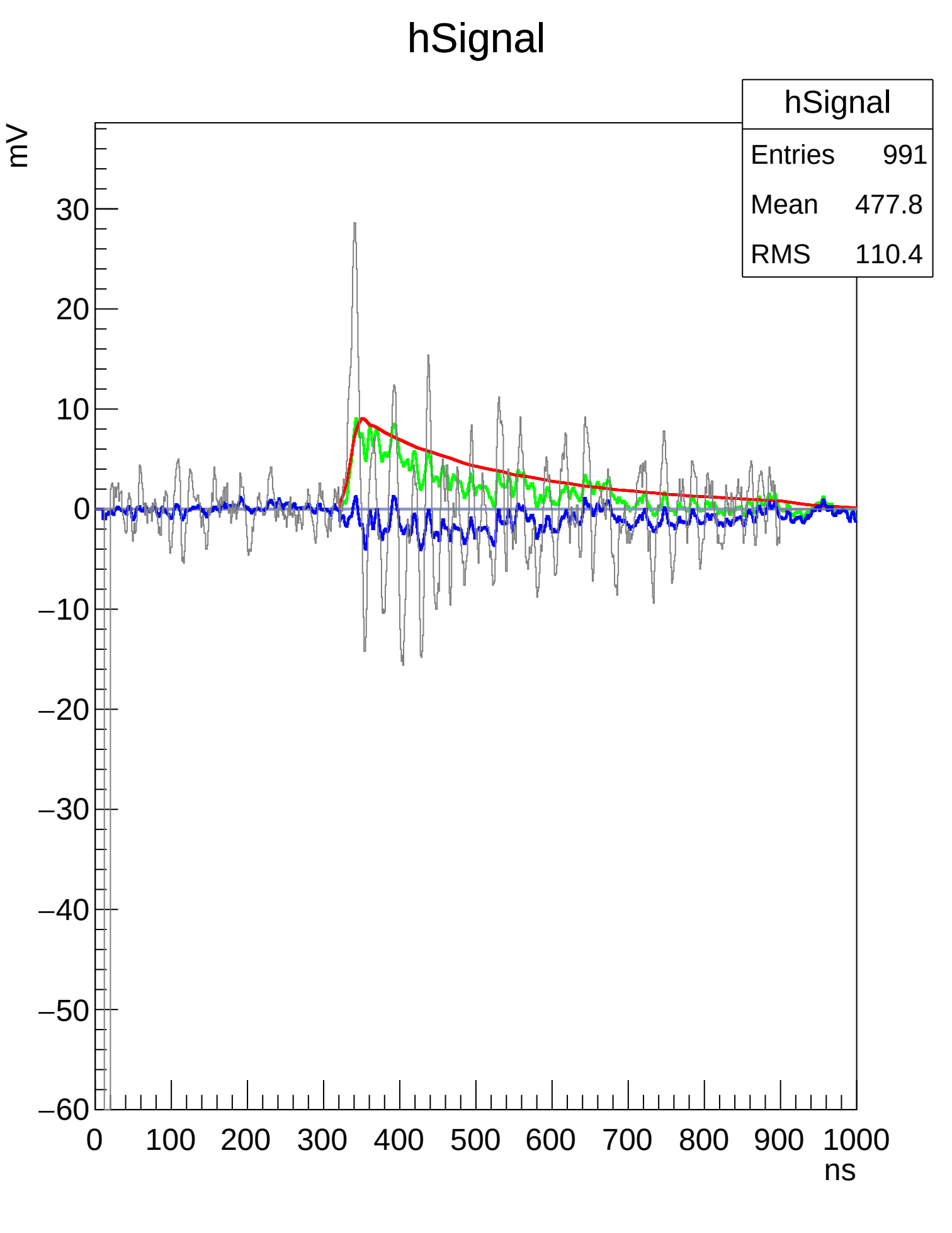
1000
ns


hSignal
hSignal
Entries 991
Mean 493
RMS 167.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.3
RMS 132.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 477.8
RMS 110.4
mV
30
20
10
0
−10
−20
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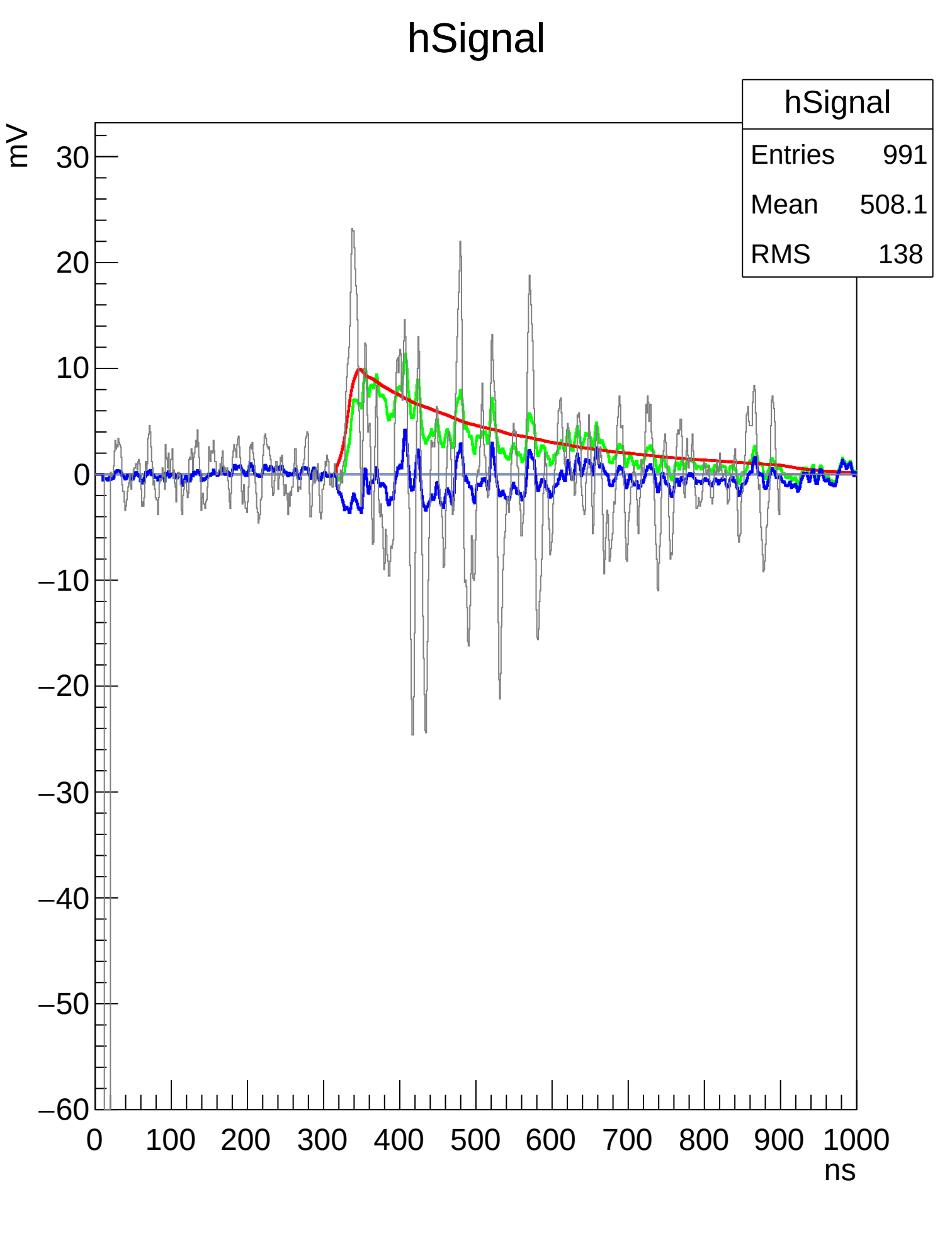
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.1
RMS 138
mV
30
20
10
0
−10
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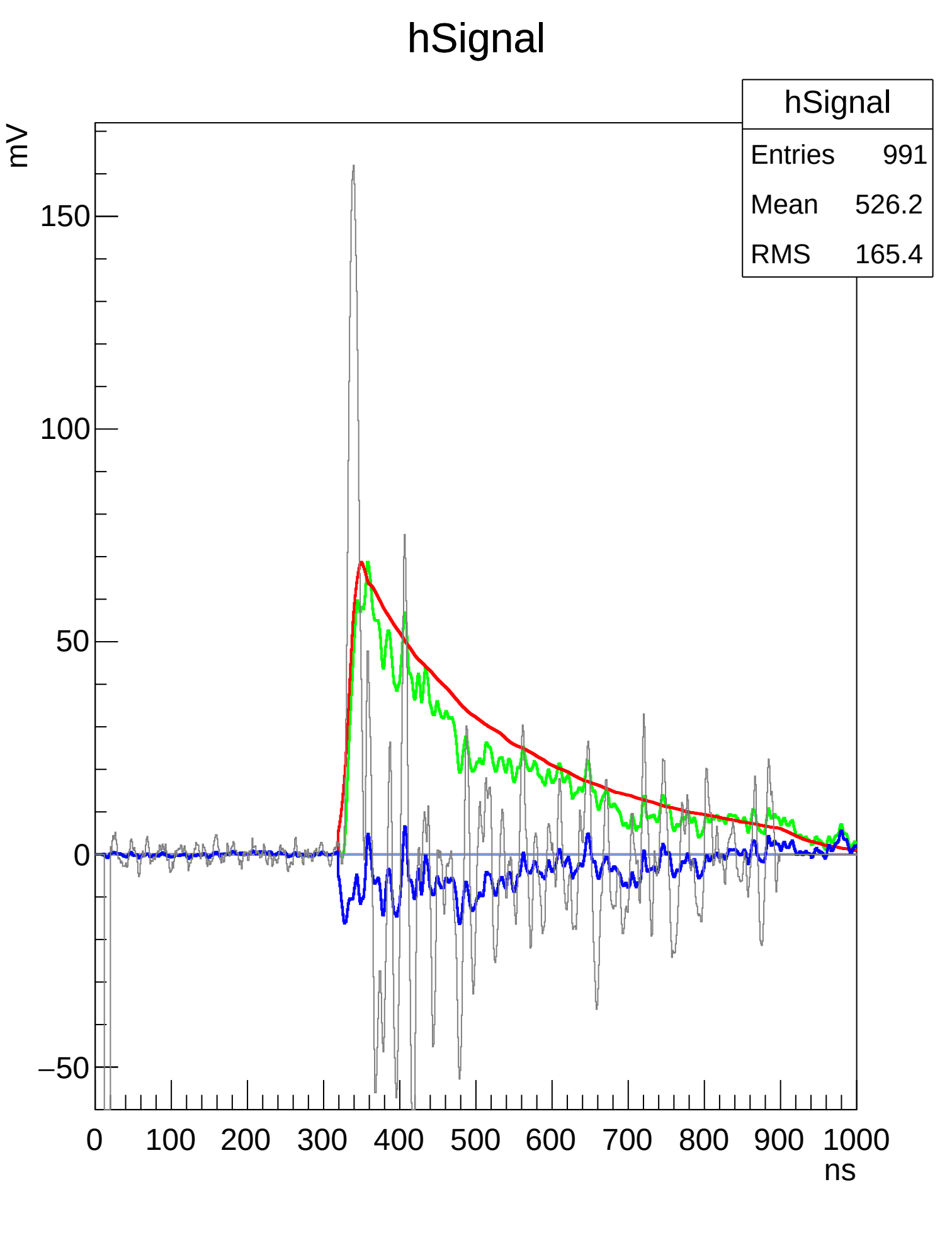
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.2
RMS 165.4
mV
150
100
50
0
−50
0
100
200
300
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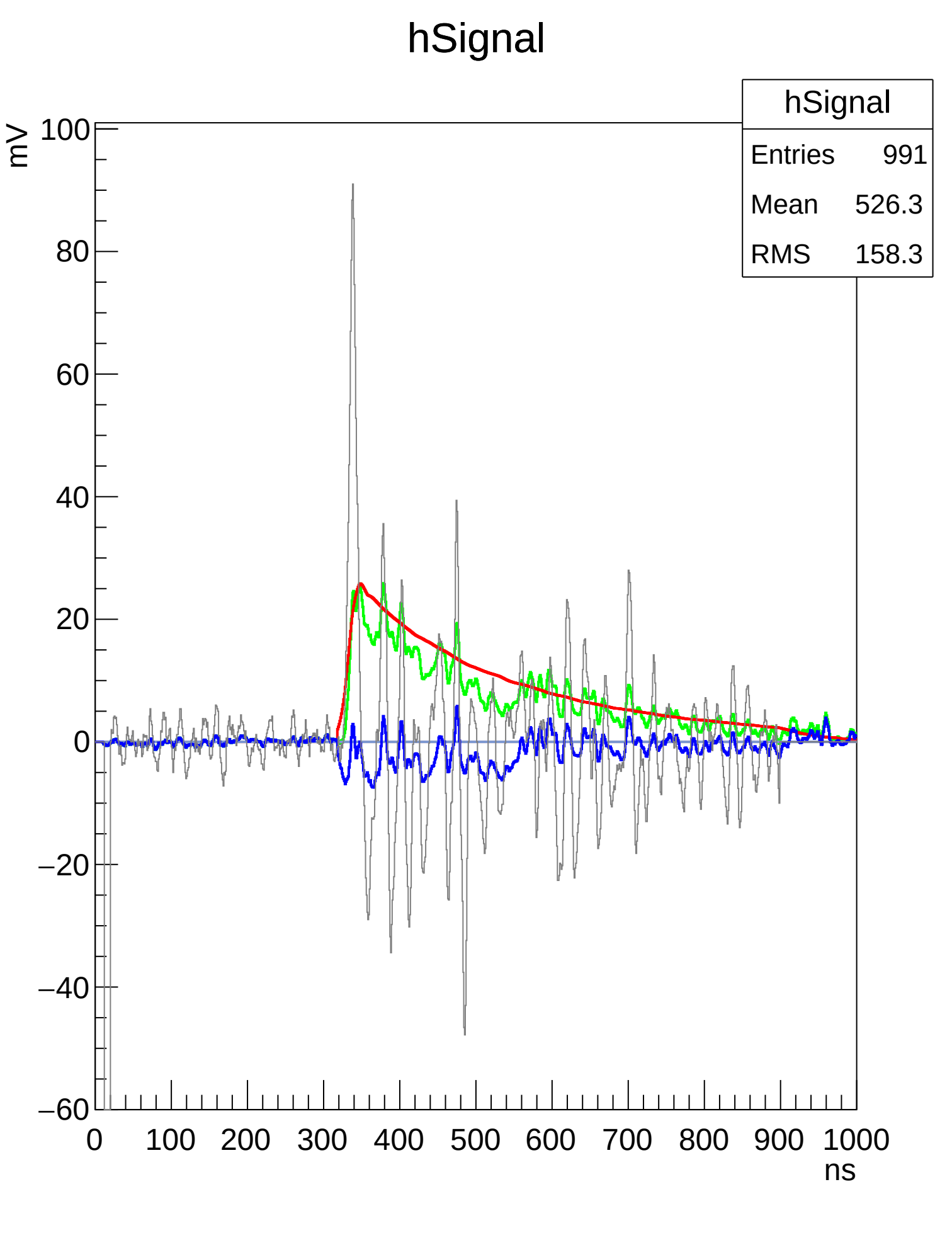
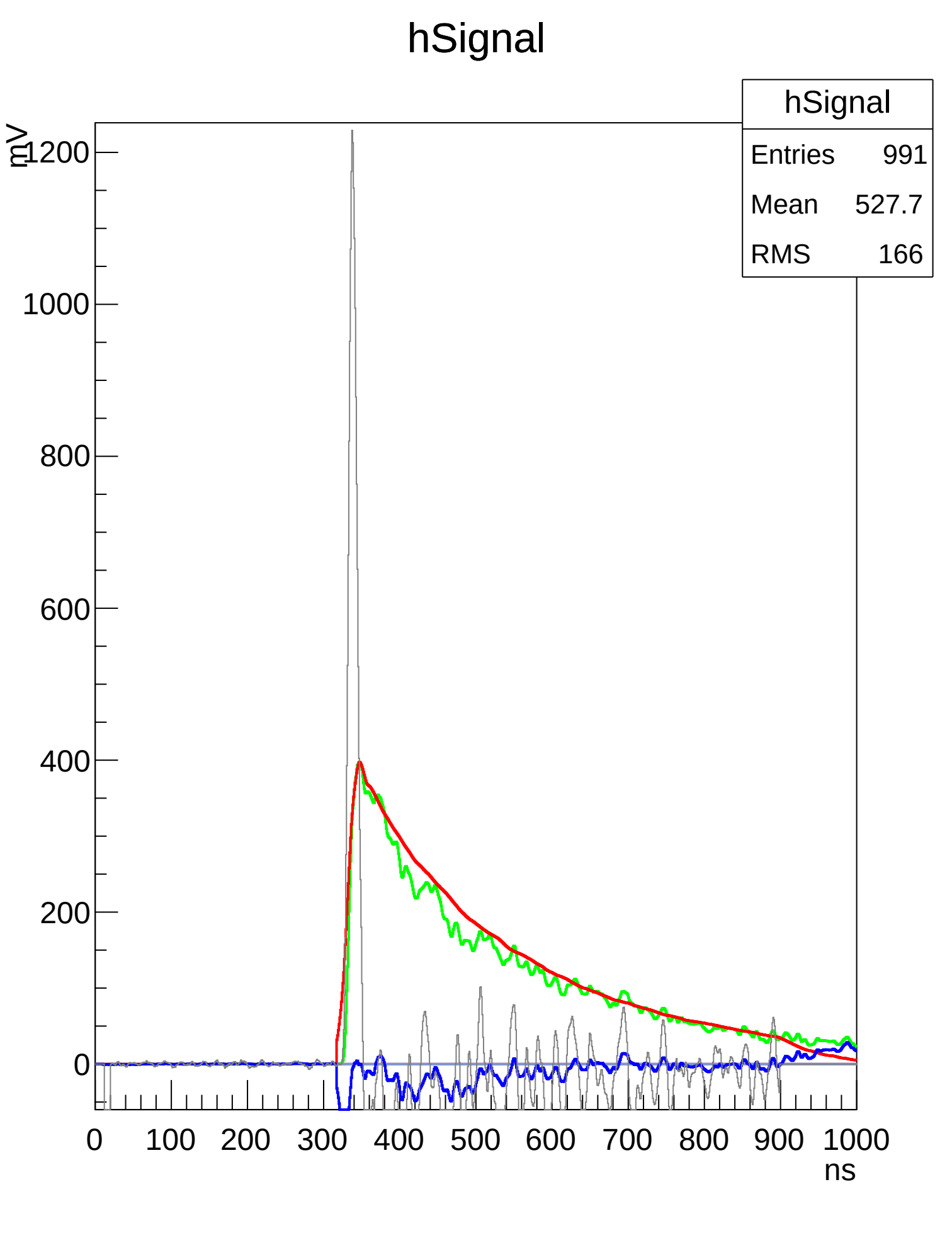
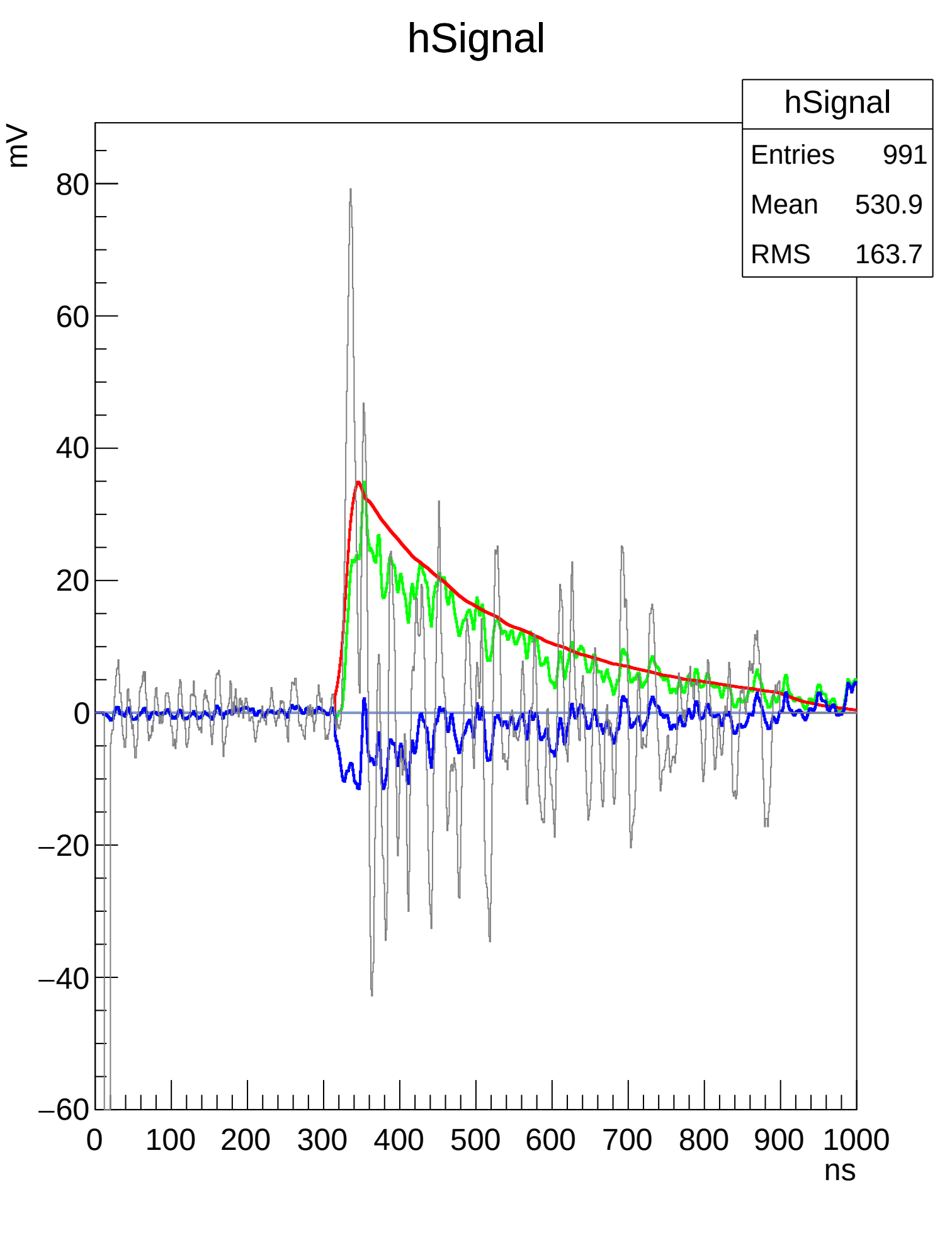
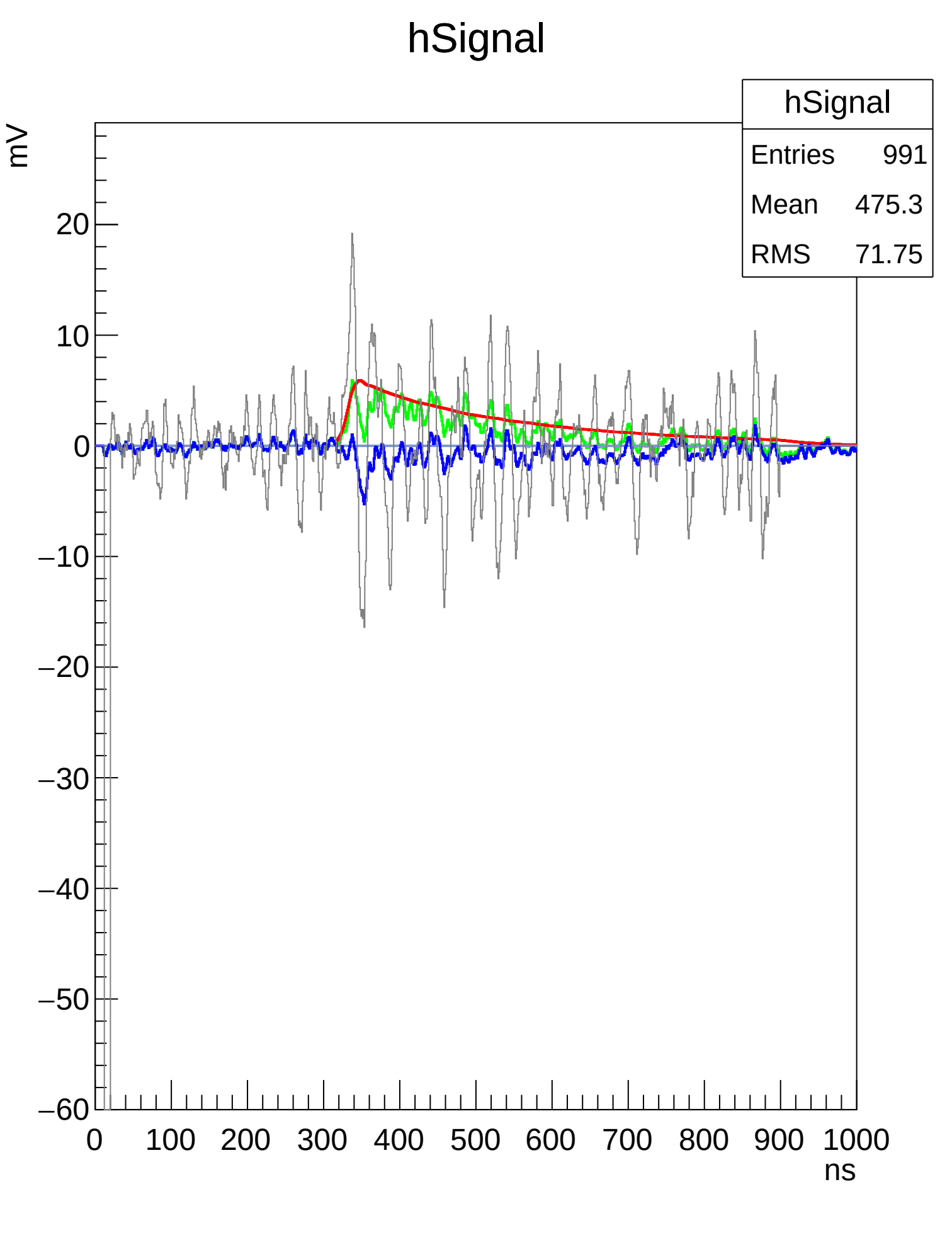
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.3
RMS 158.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.7
RMS 166
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.9
RMS 163.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 475.3
RMS 71.75
mV
20
10
0
−10
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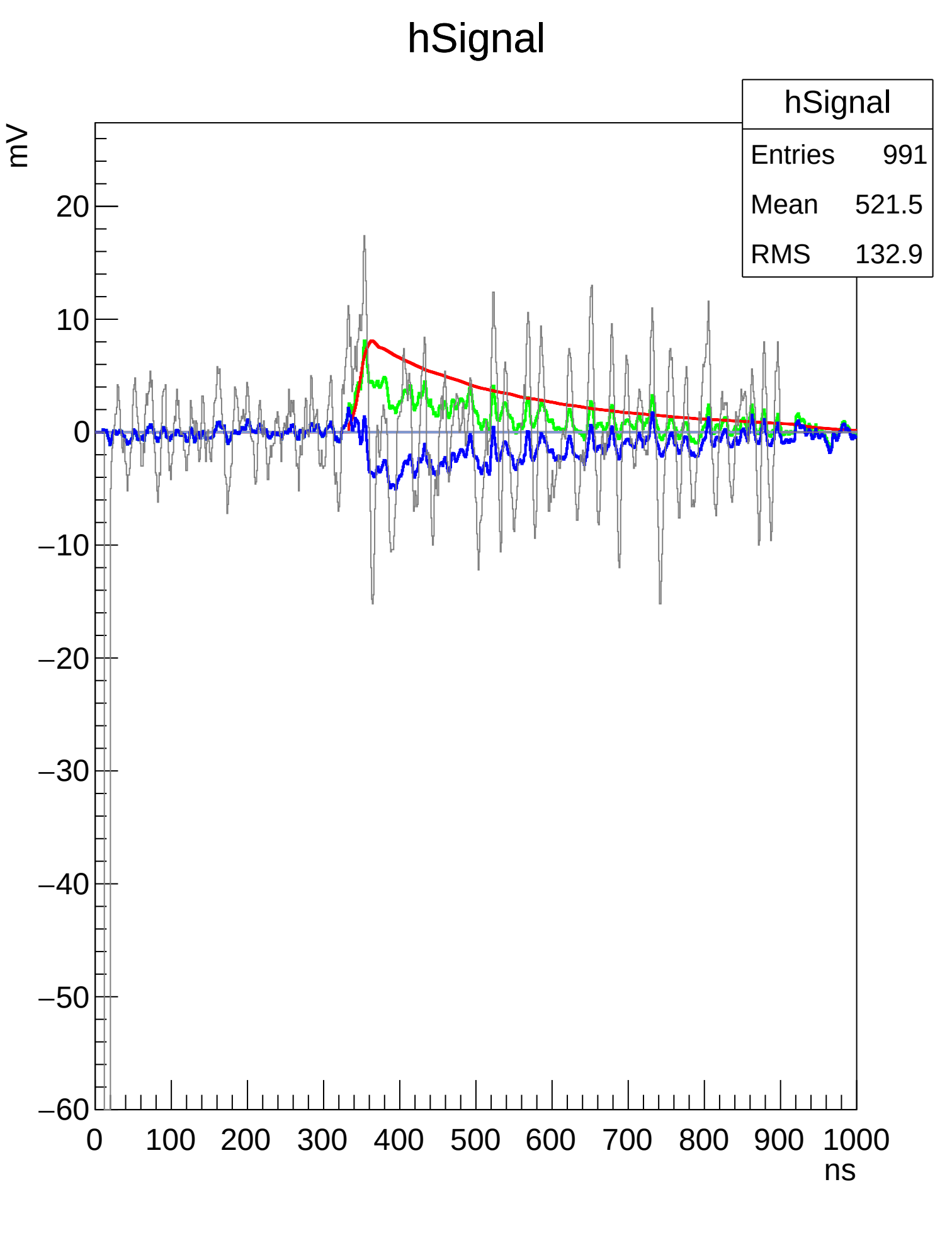
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.5
RMS 132.9
mV
20
10
0
−10
−20
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−40
−50
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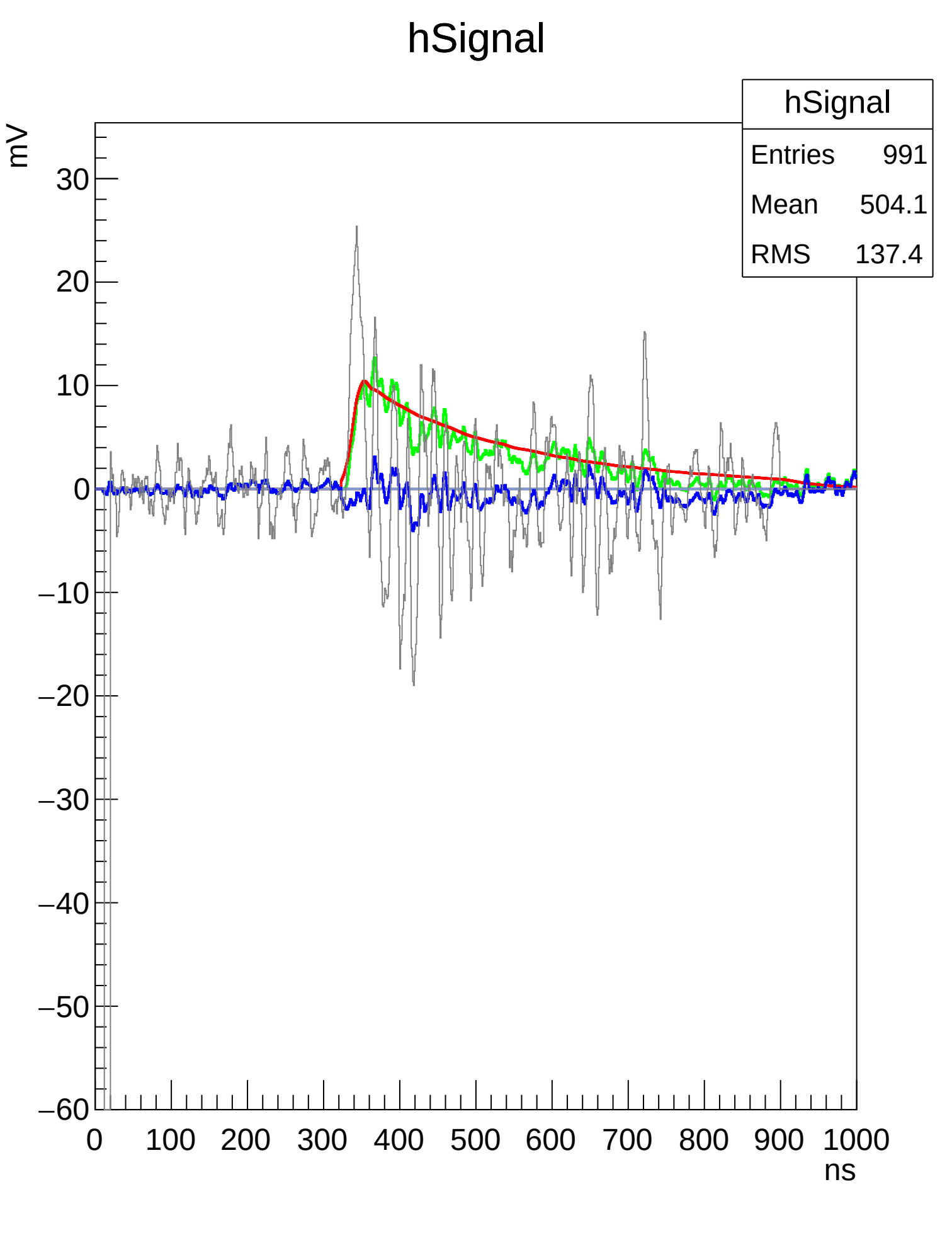
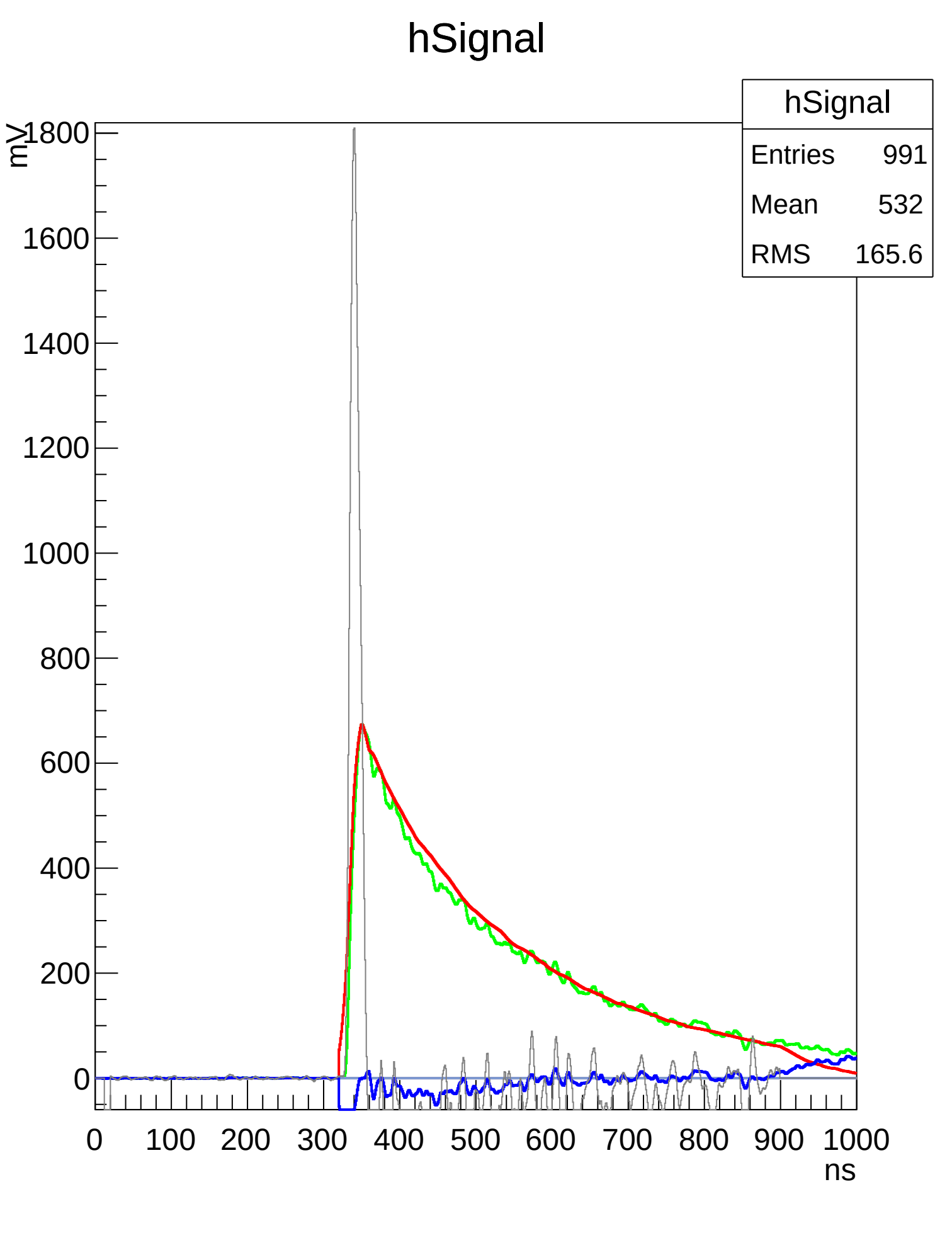
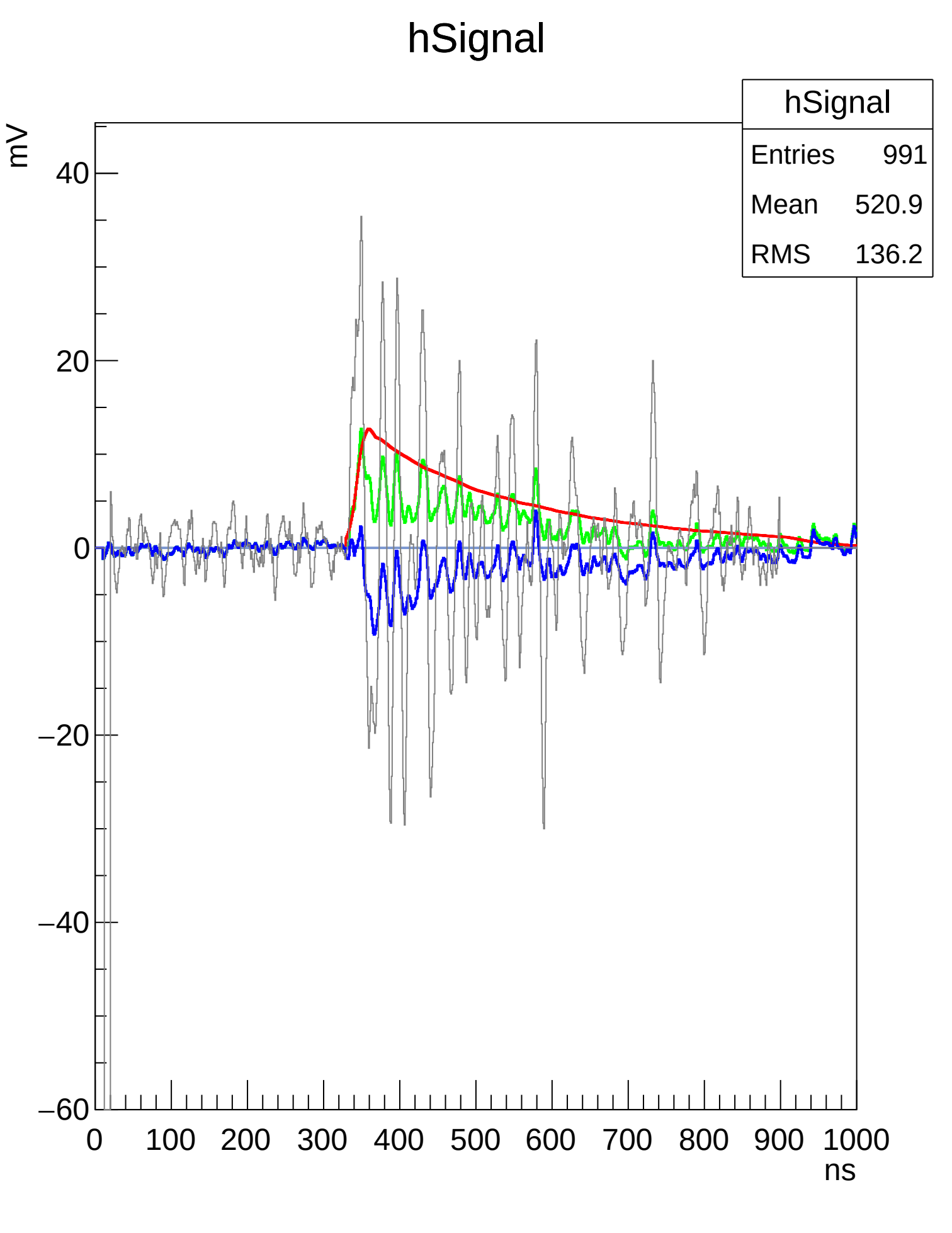
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.1
RMS 137.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532
RMS 165.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.9
RMS 136.2
mV
40
20
0
−20
−40
−60
0
100
200
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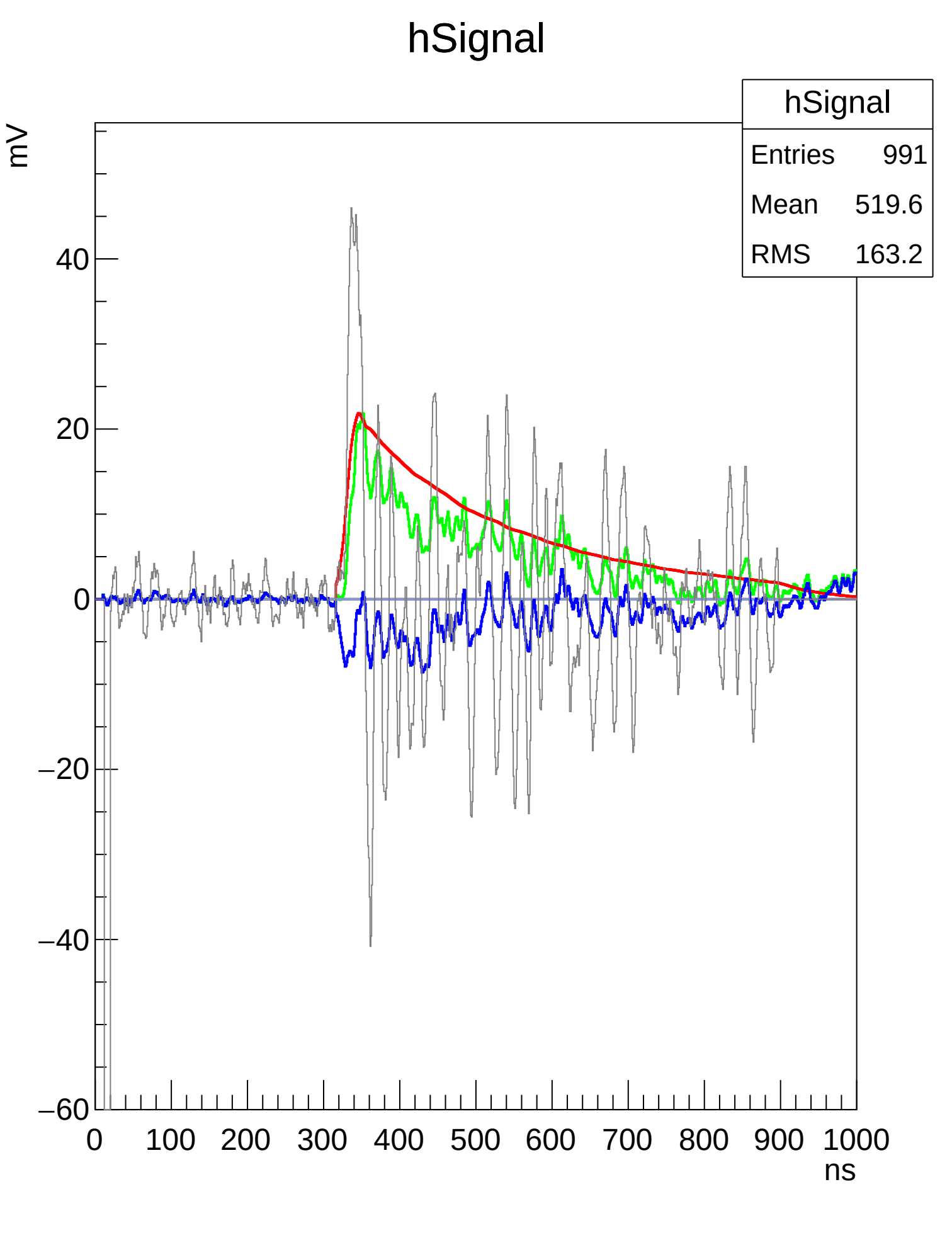
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.6
RMS 163.2
mV
40
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−20
−40
−60
0
100
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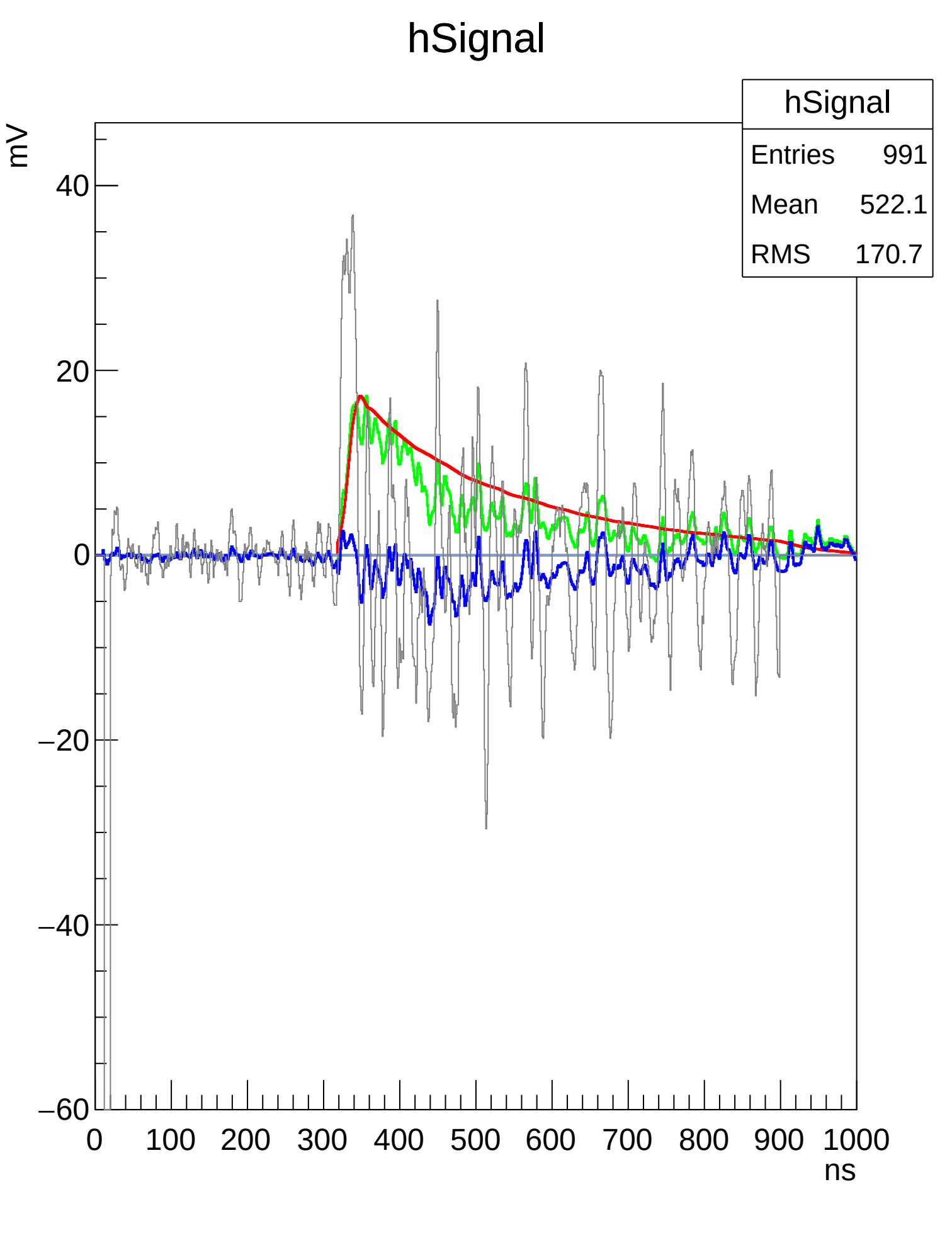
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.1
RMS 170.7
mV
40
20
0
−20
−40
−60
0
100
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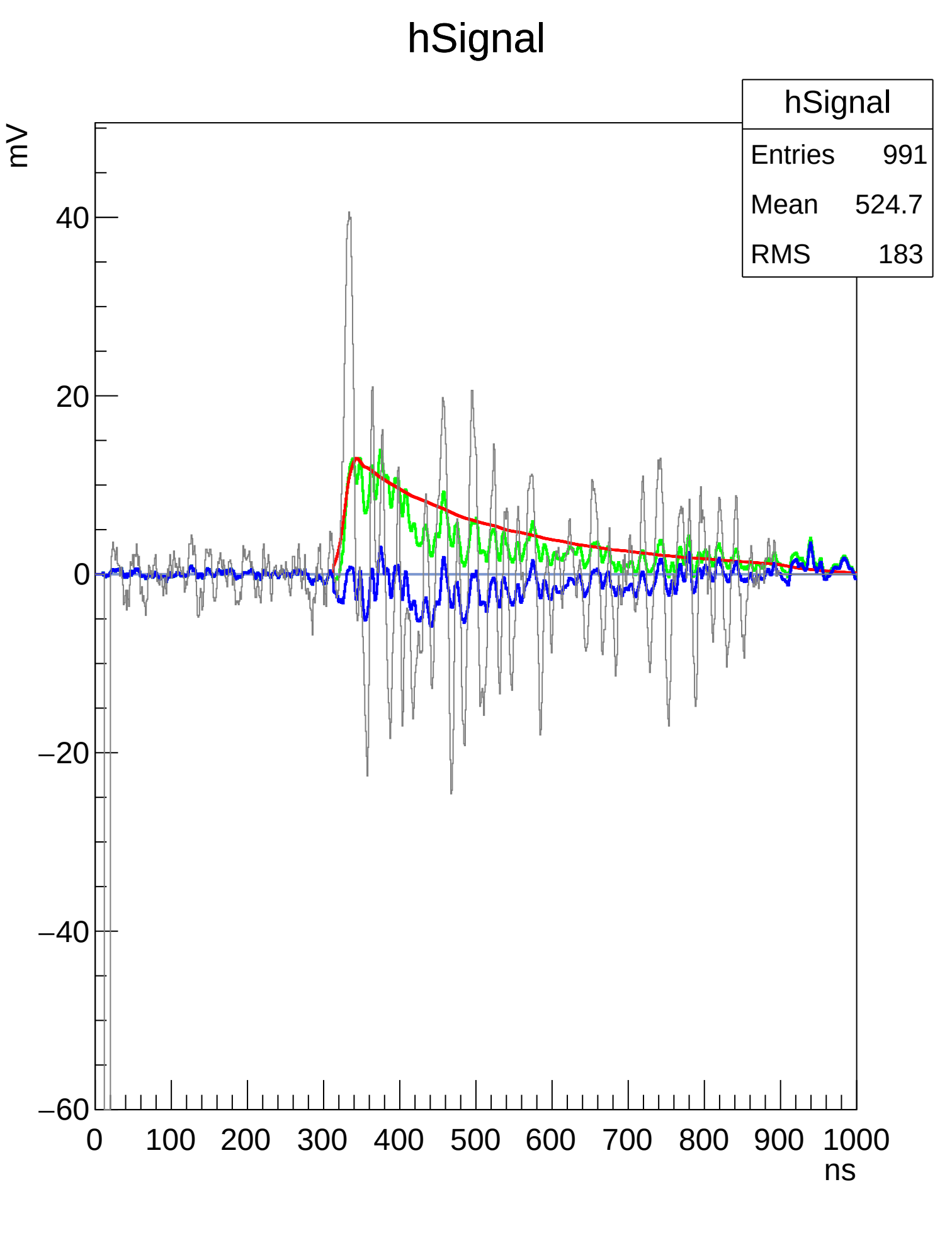
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.7
RMS 183
mV
40
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0
−20
−40
−60
0
100
200
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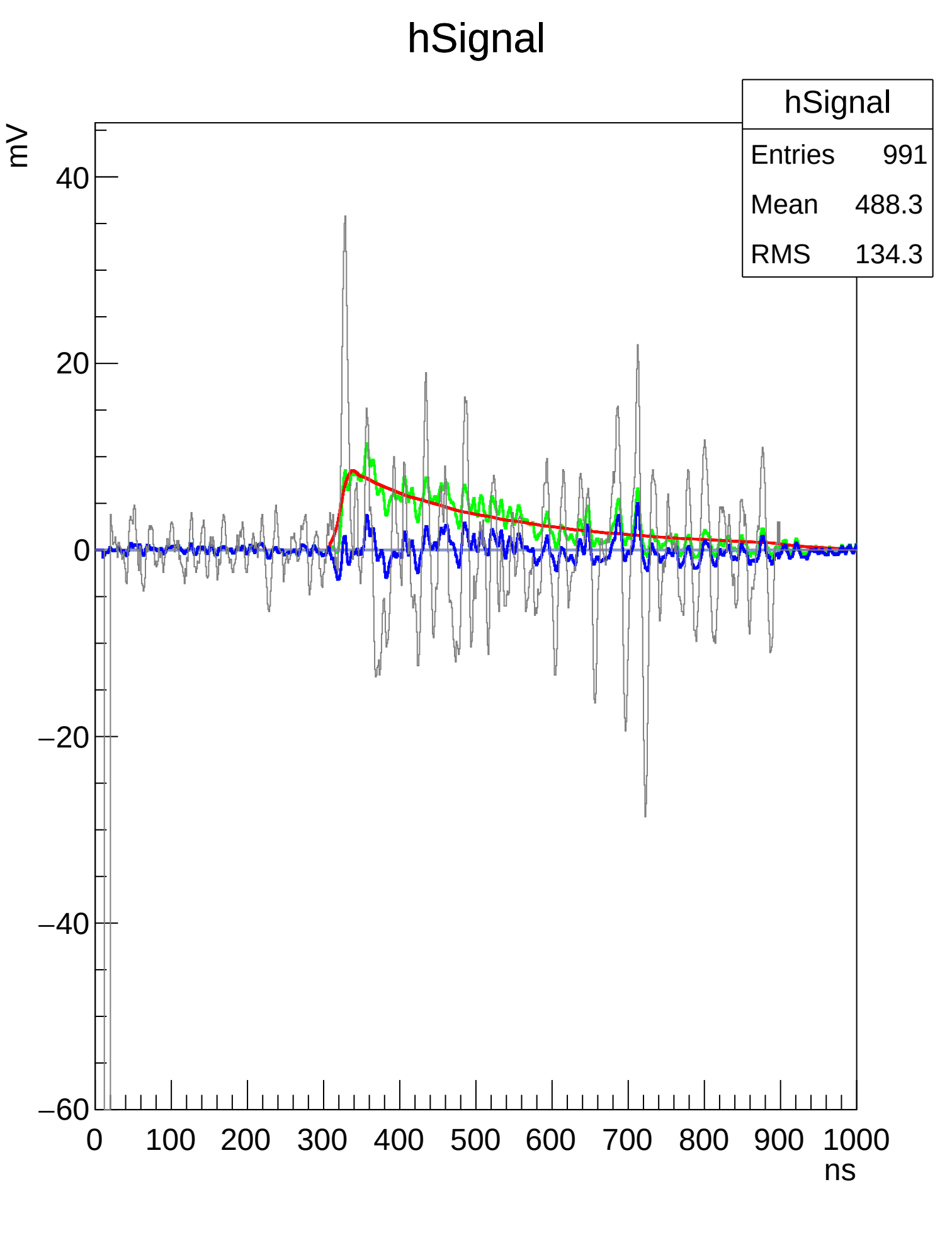
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.3
RMS 134.3
mV
40
20
0
−20
−40
−60
0
100
200
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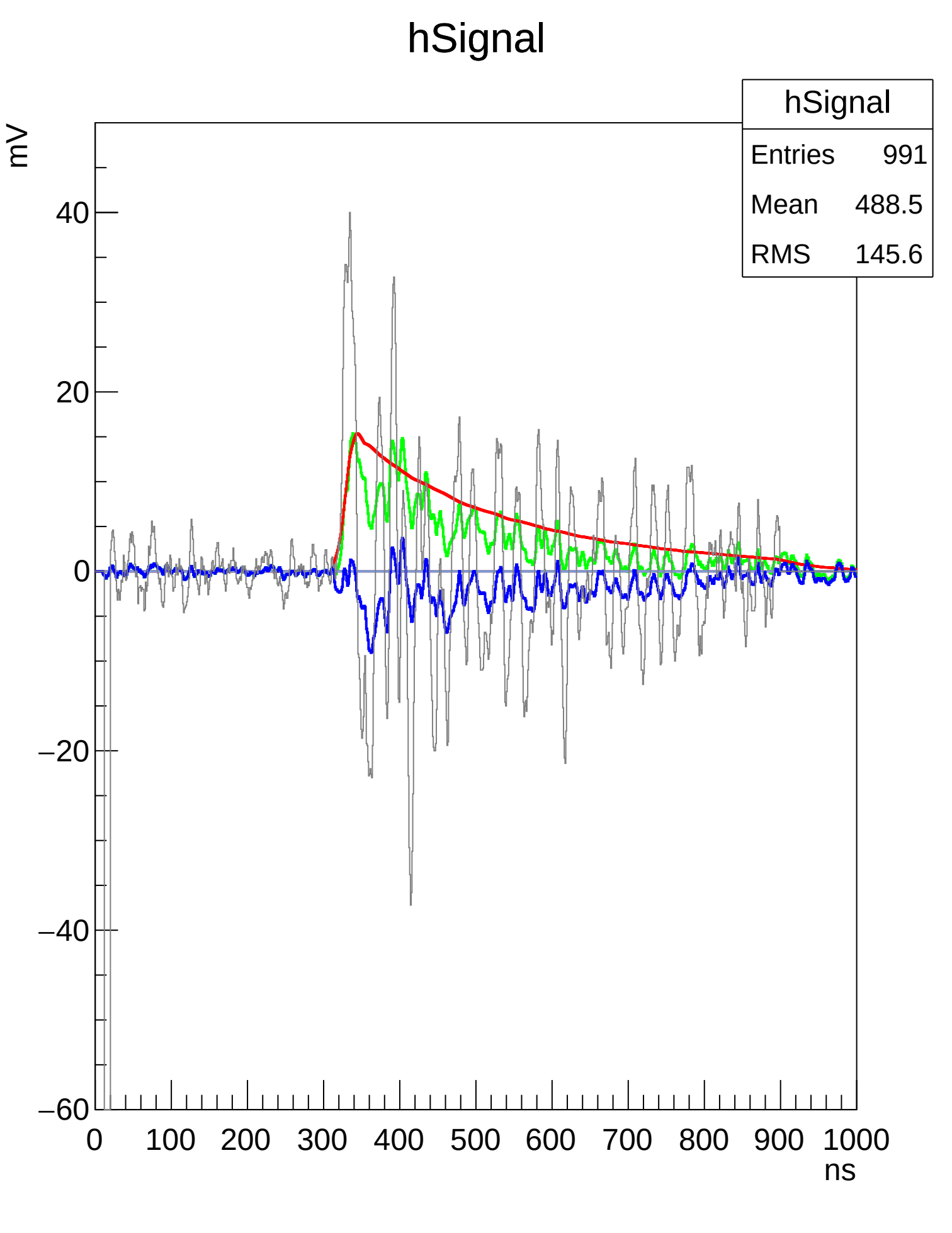
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.5
RMS 145.6
mV
40
20
0
−20
−40
−60
0
100
200
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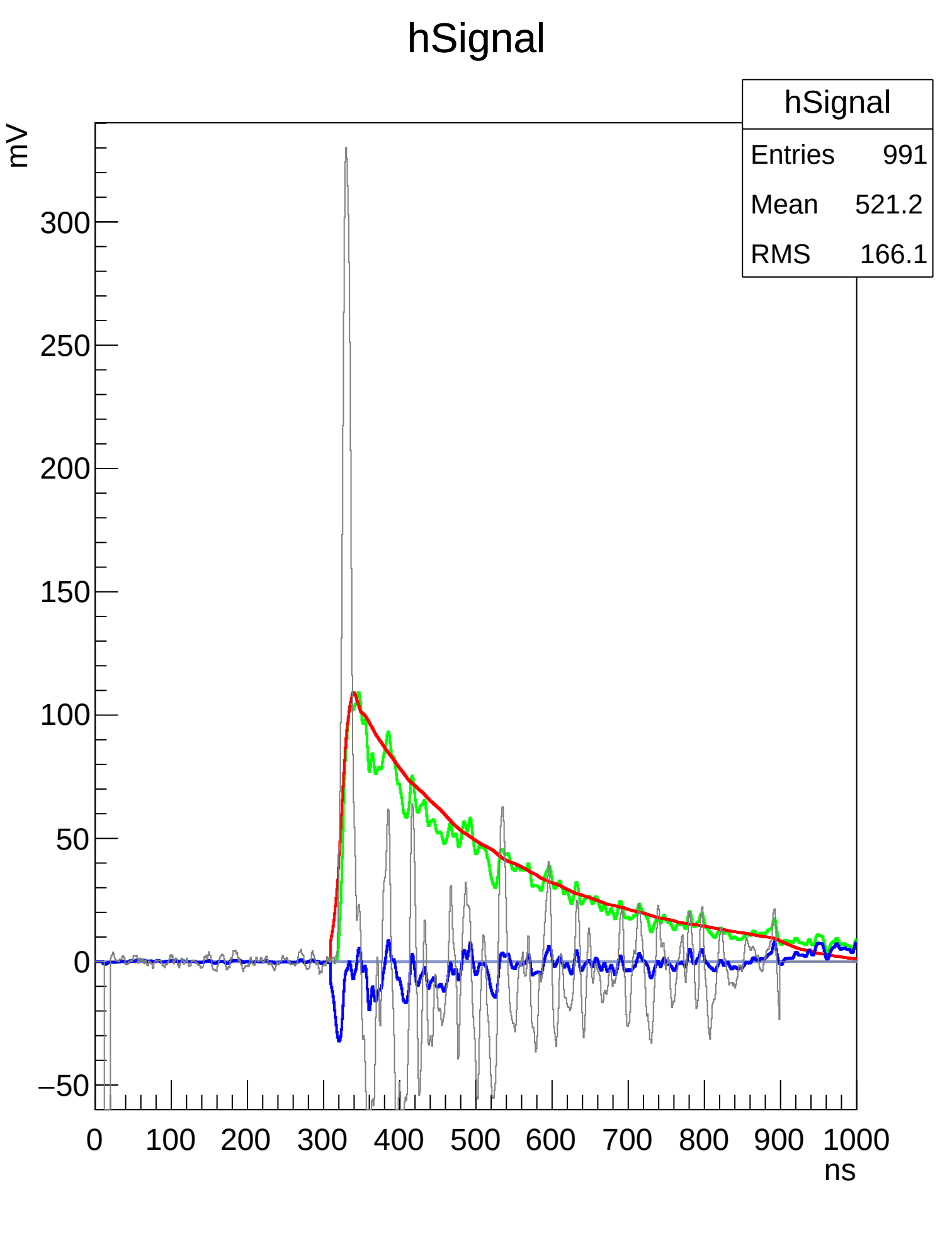
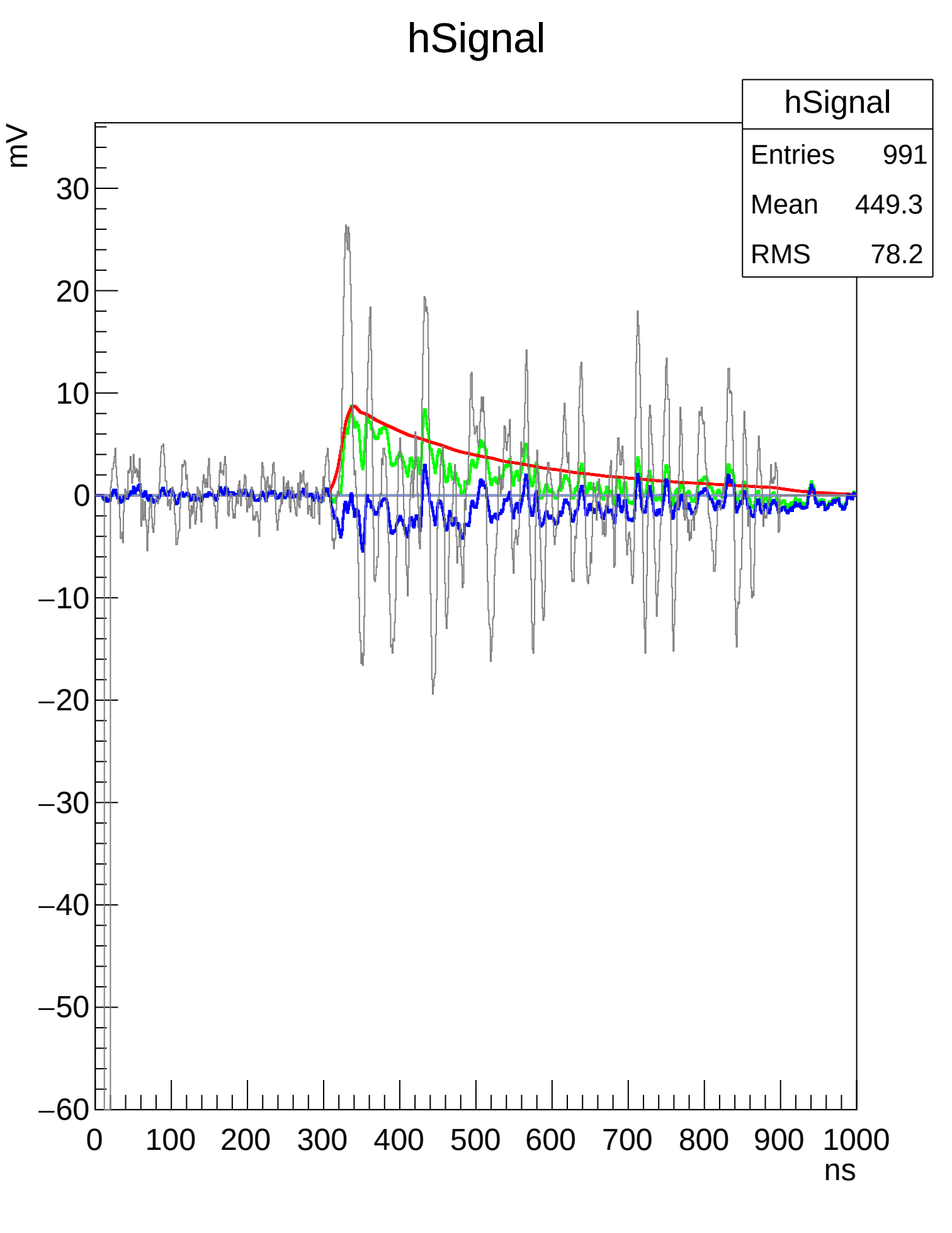
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.2
RMS 166.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 449.3
RMS 78.2
mV
30
20
10
0
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−20
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−40
−50
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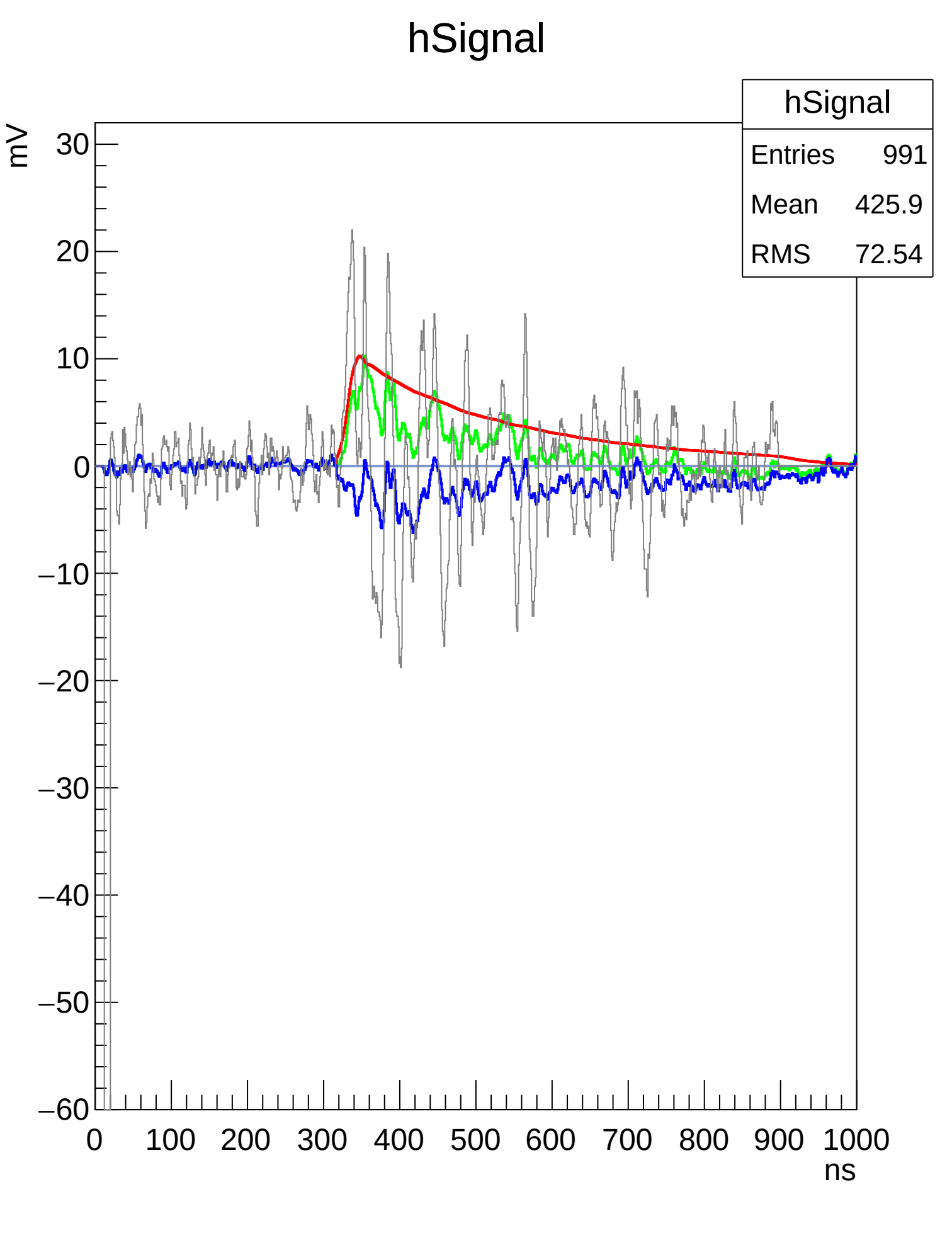
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 425.9
RMS 72.54
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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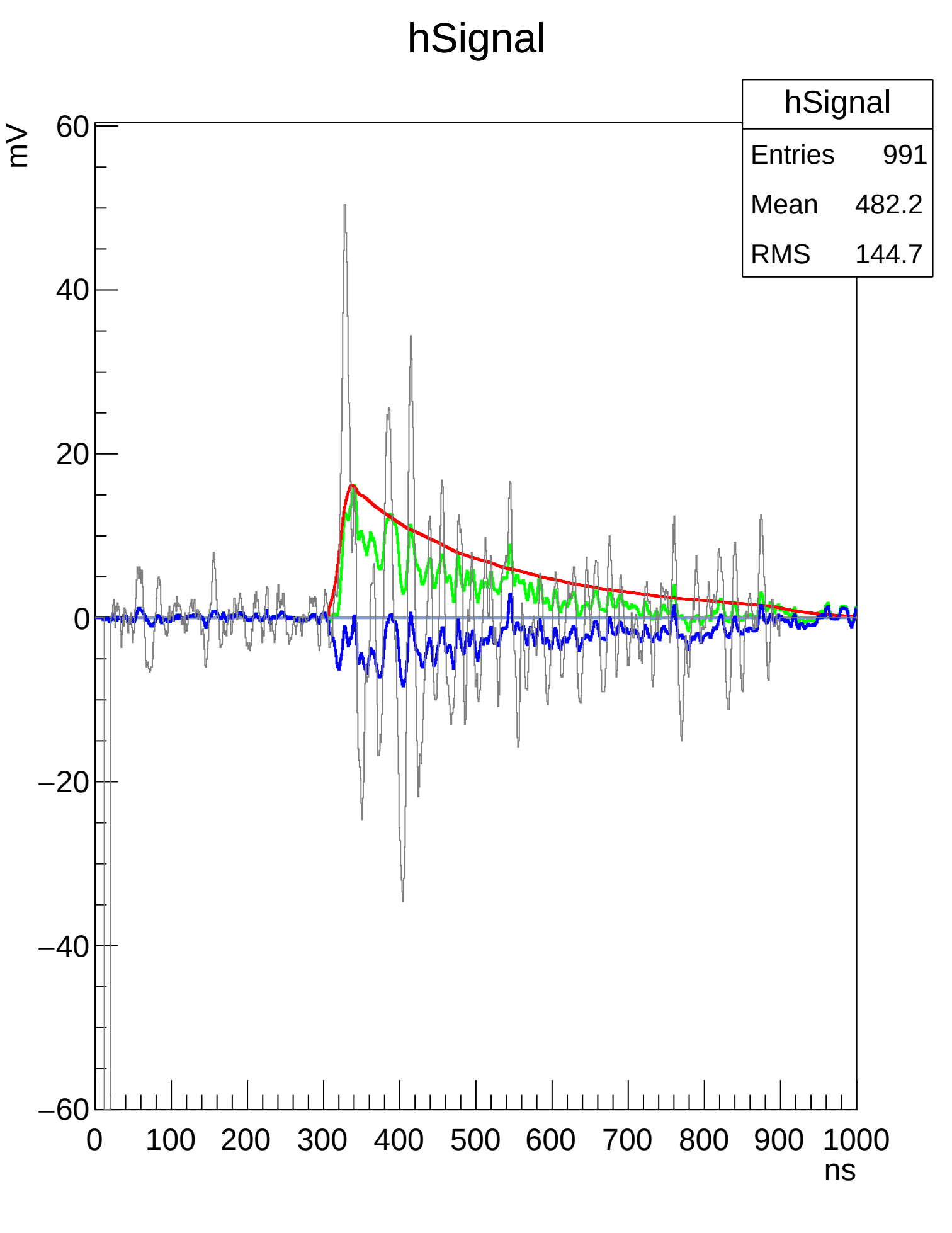
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 482.2
RMS 144.7
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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600
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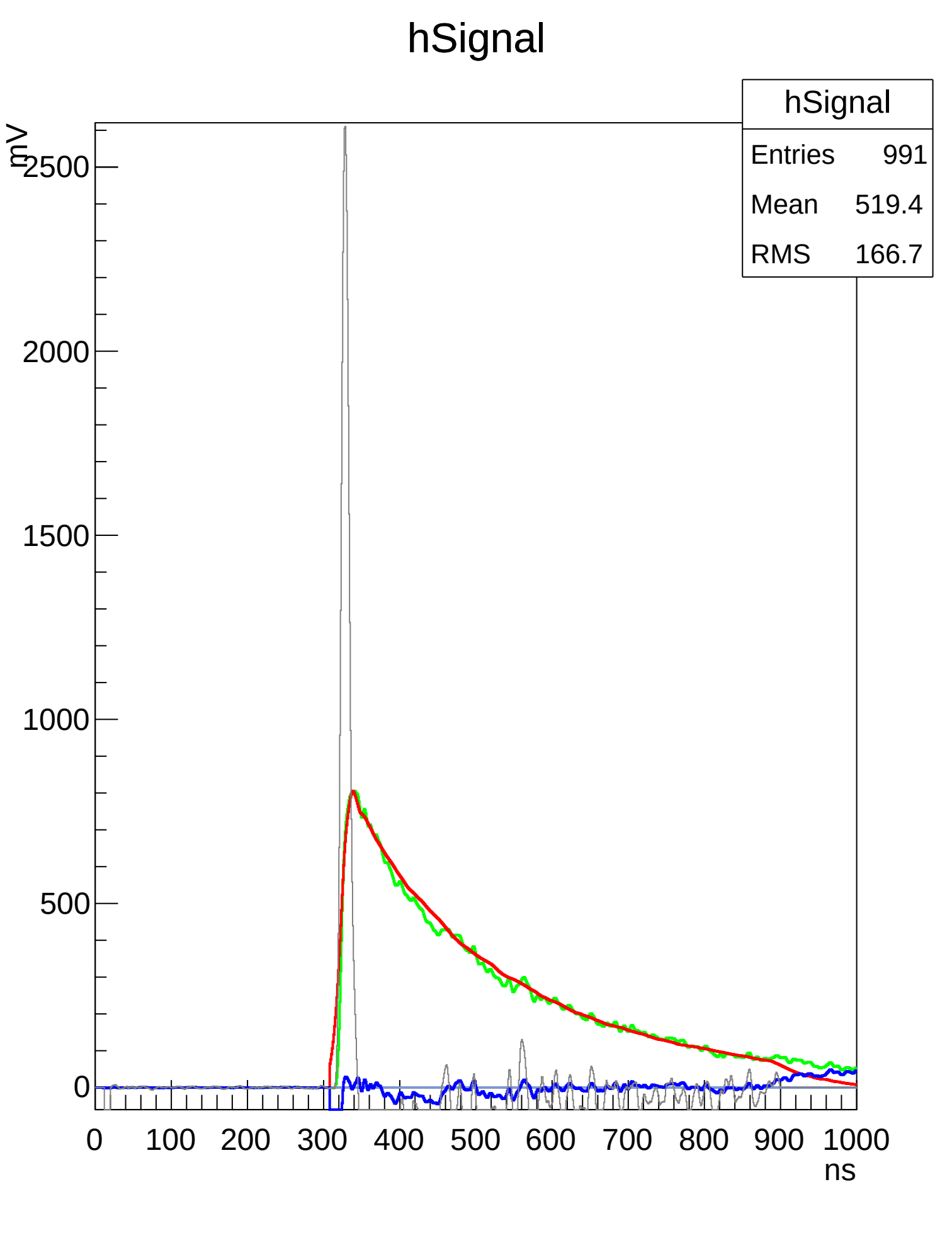
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.4
RMS 166.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
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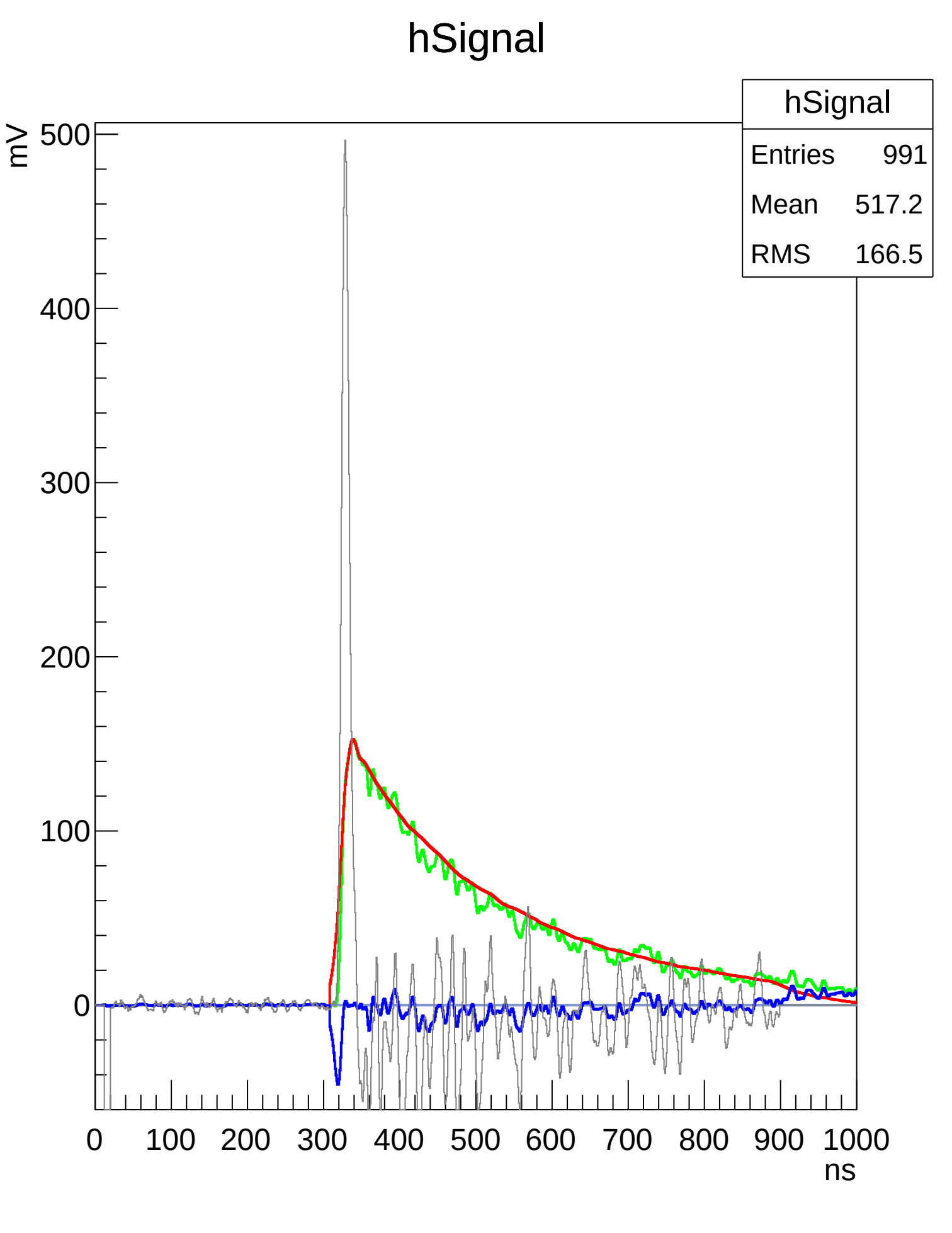
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.2
RMS 166.5
mV
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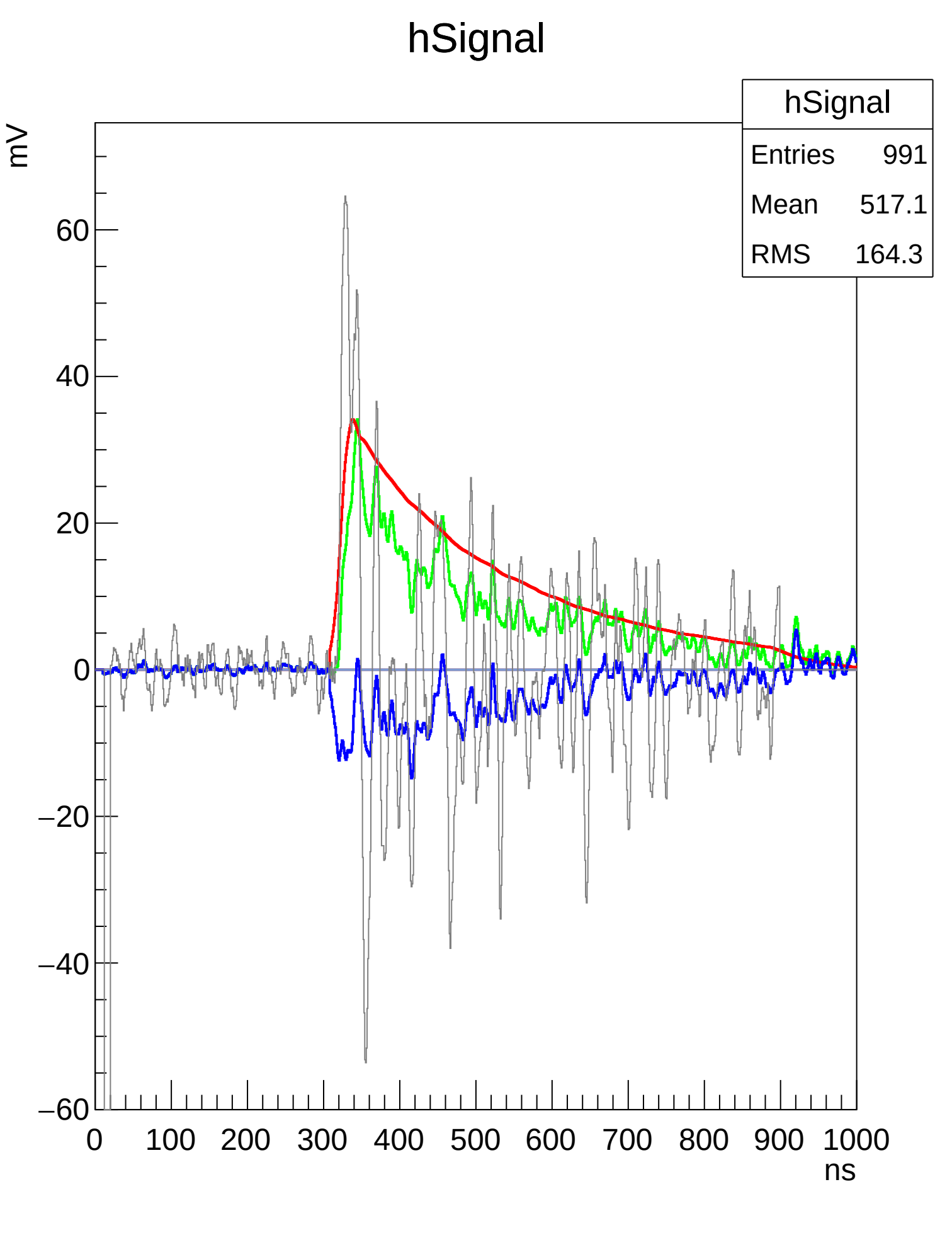
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.1
RMS 164.3
mV
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−20
−40
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0
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600
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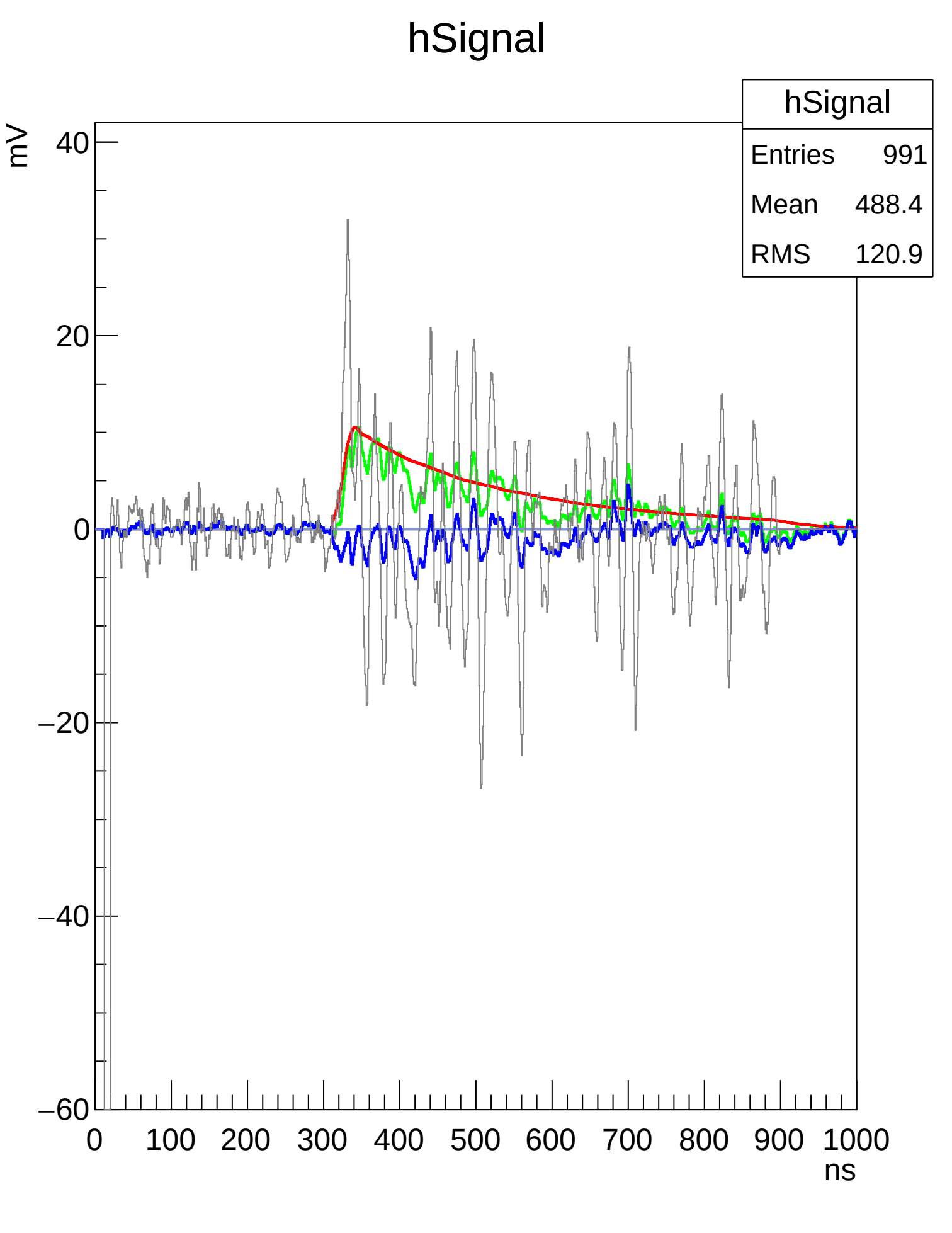
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.4
RMS 120.9
mV
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0
−20
−40
−60
0
100
200
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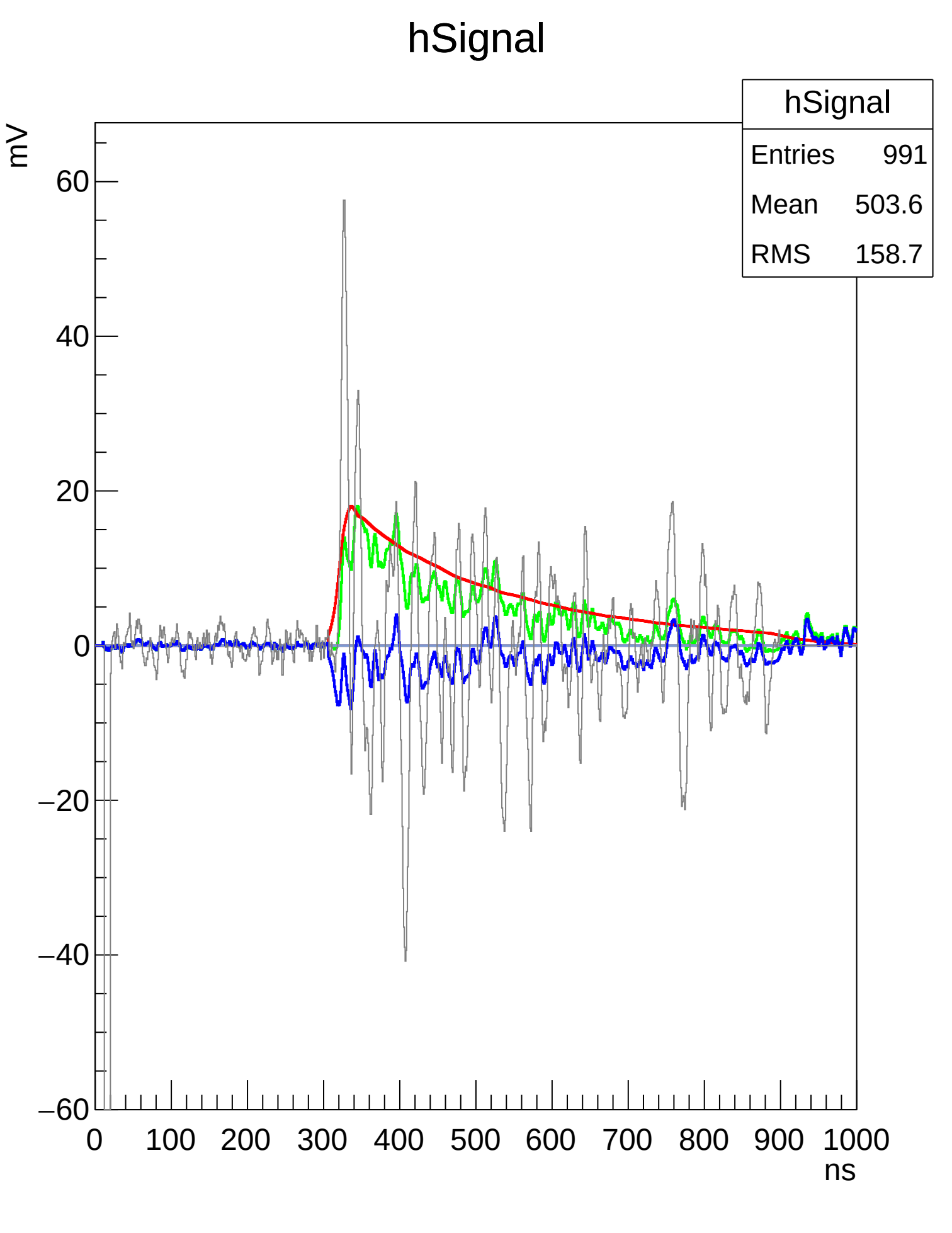
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.6
RMS 158.7
mV
60
40
20
0
−20
−40
−60
0
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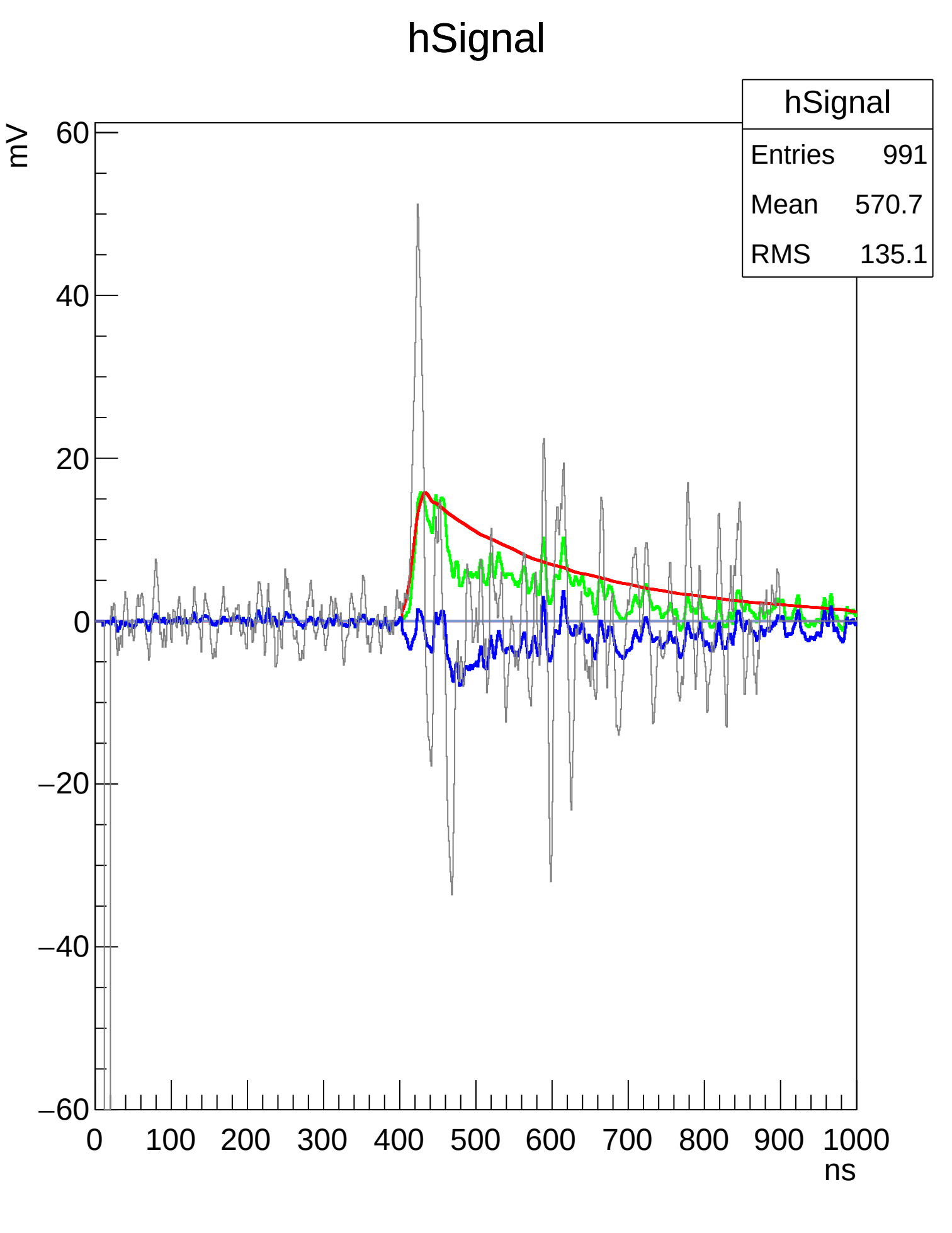
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.7
RMS 135.1
mV
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−20
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−60
0
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400
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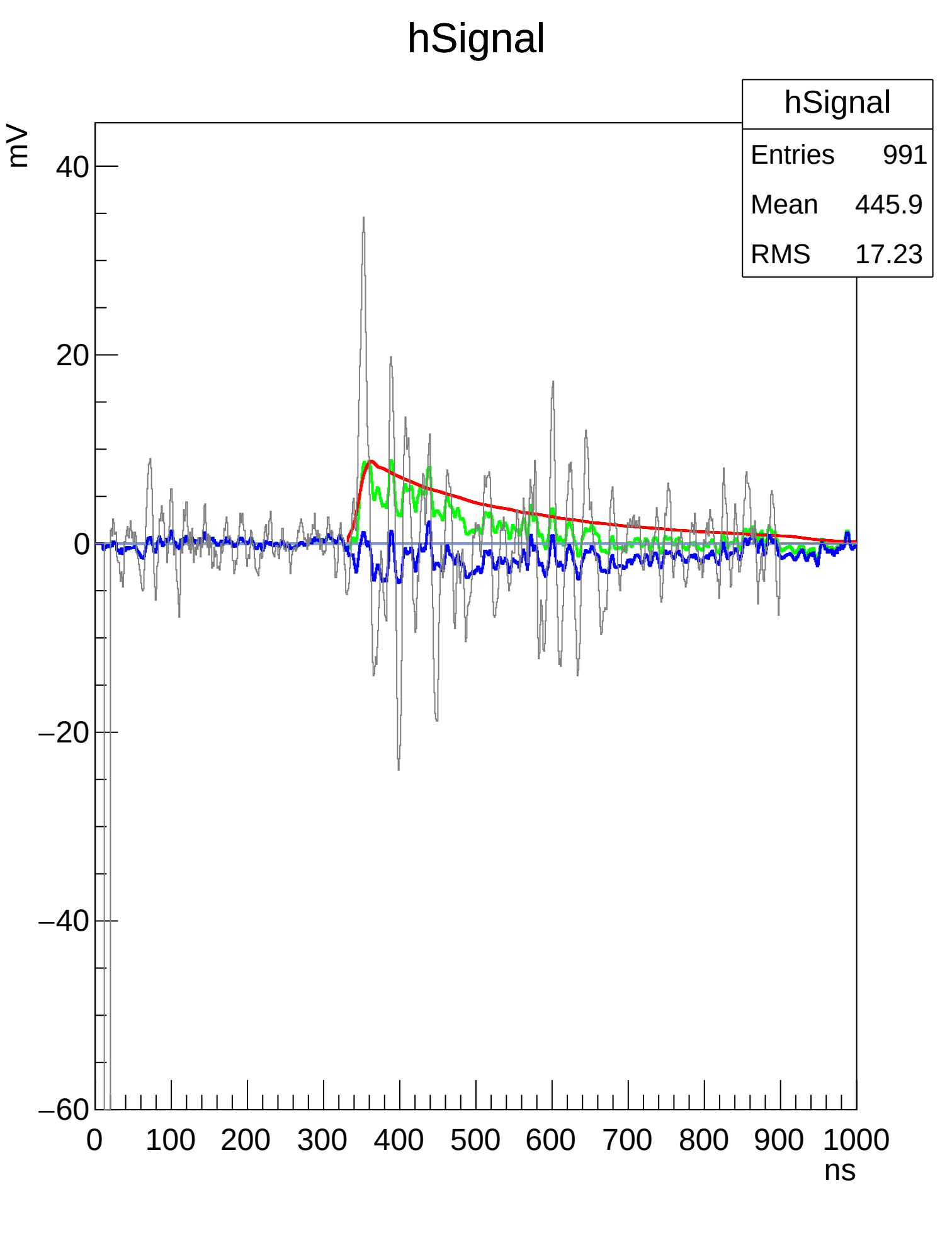
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 445.9
RMS 17.23
mV
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−20
−40
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0
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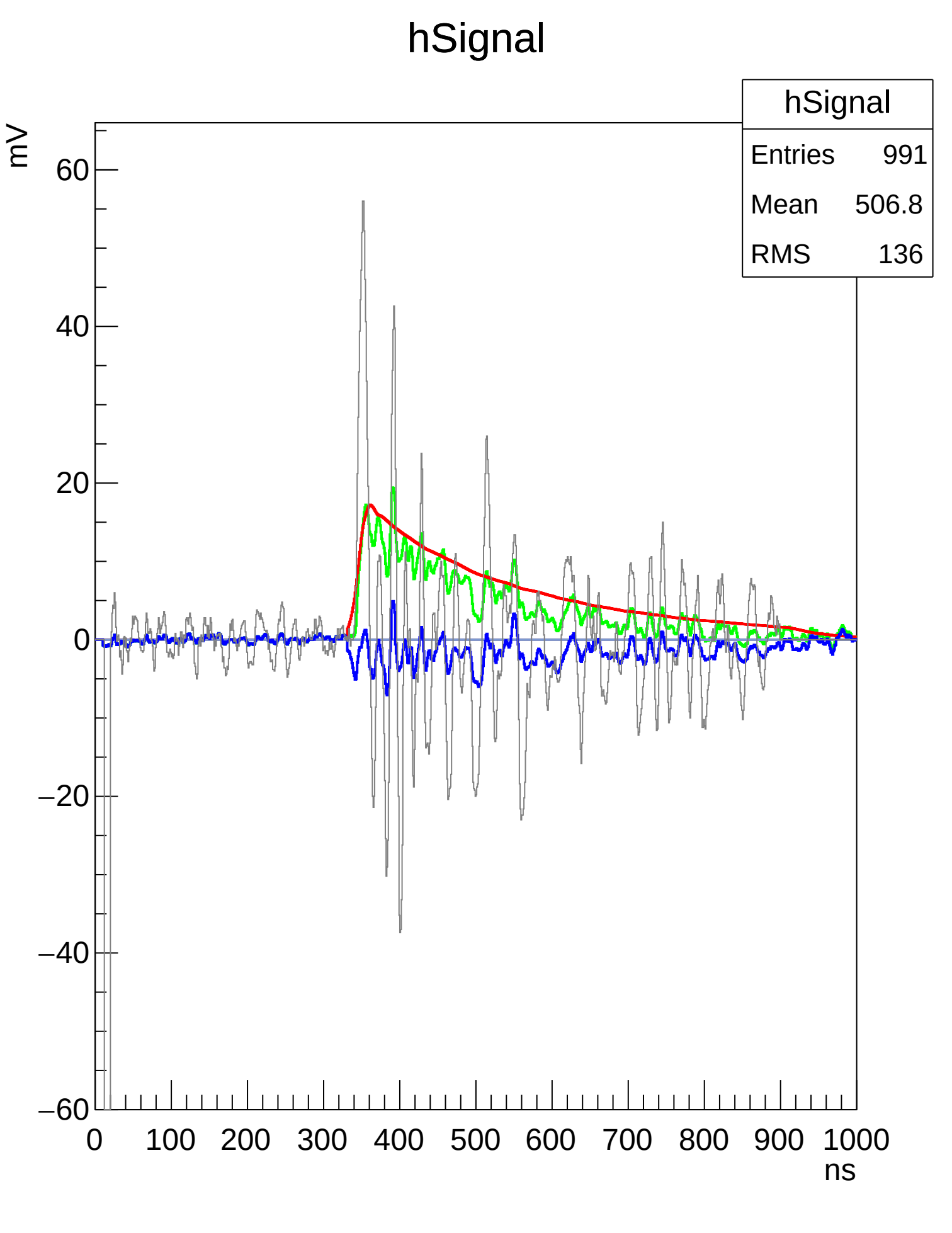
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.8
RMS 136
mV
60
40
20
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−20
−40
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0
100
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600
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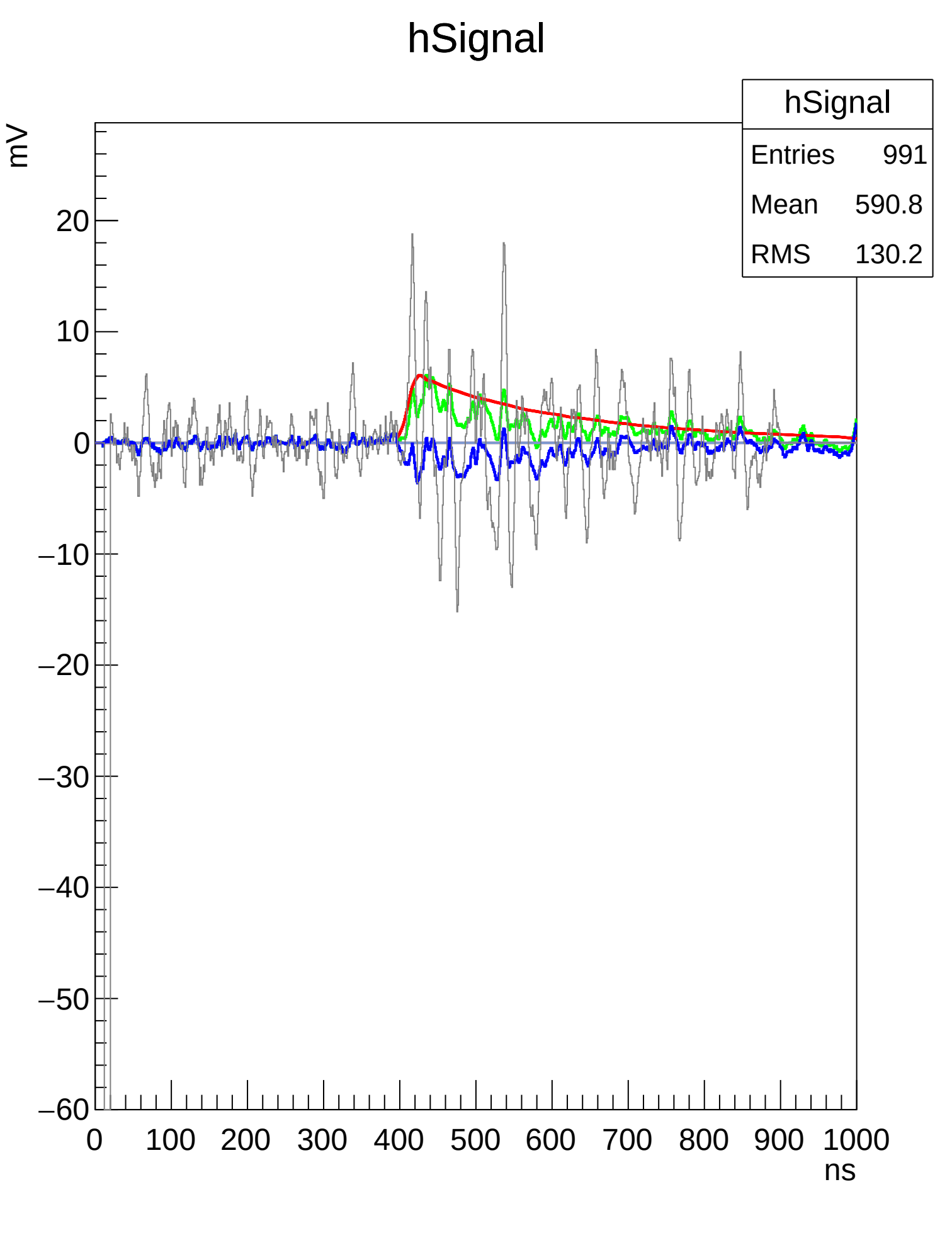
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.8
RMS 130.2
mV
20
10
0
−10
−20
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−40
−50
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0
100
200
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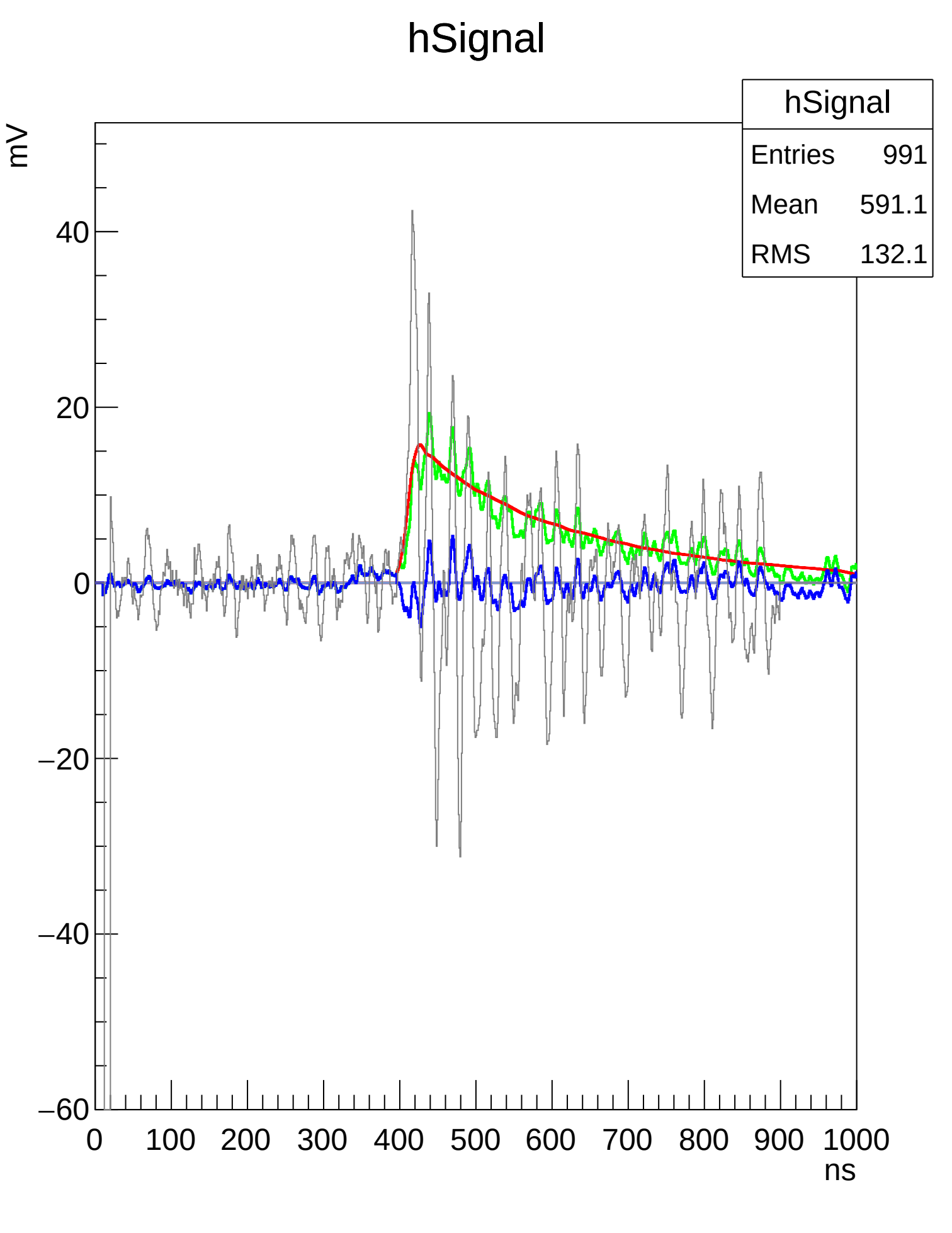
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.1
RMS 132.1
mV
40
20
0
−20
−40
−60
0
100
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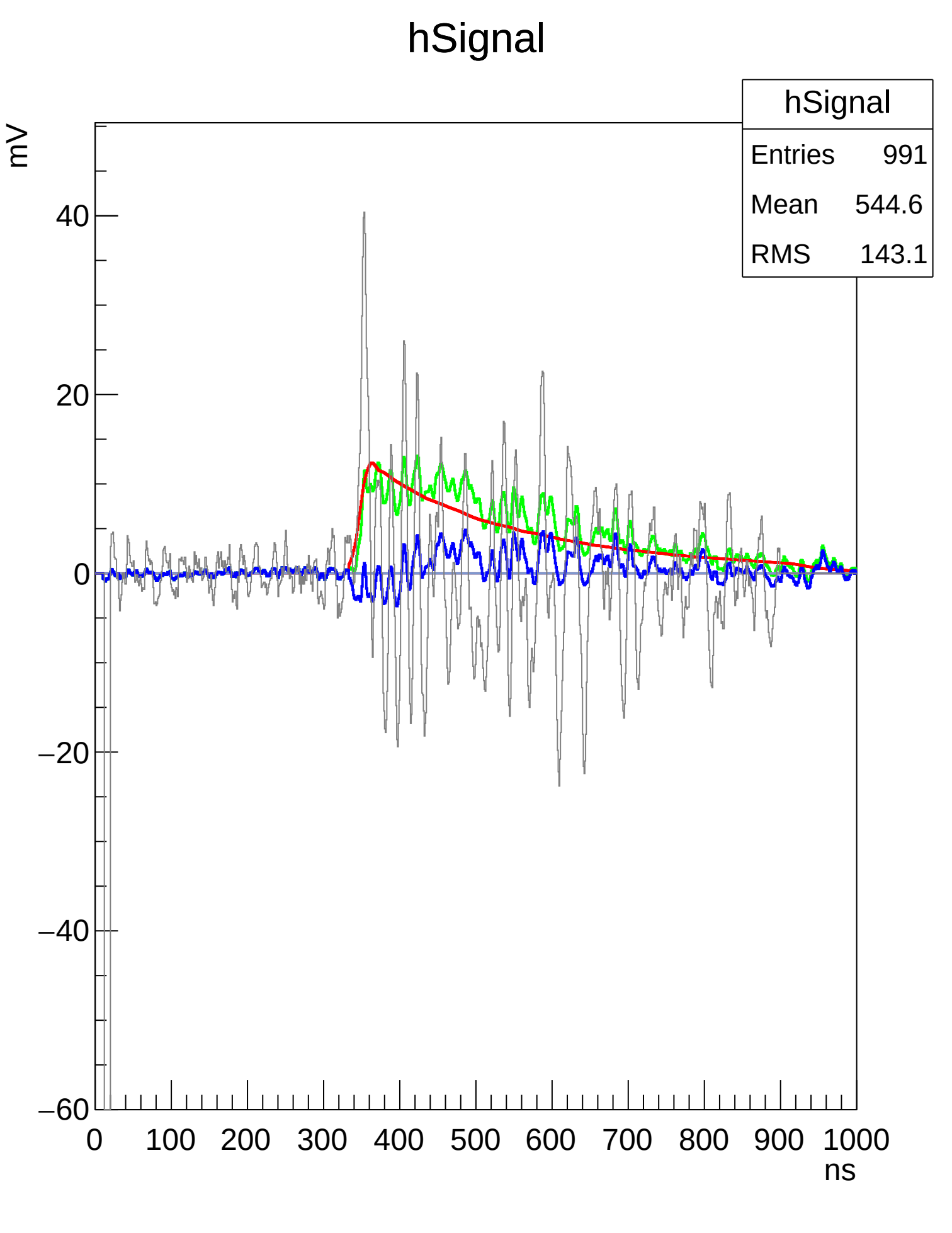
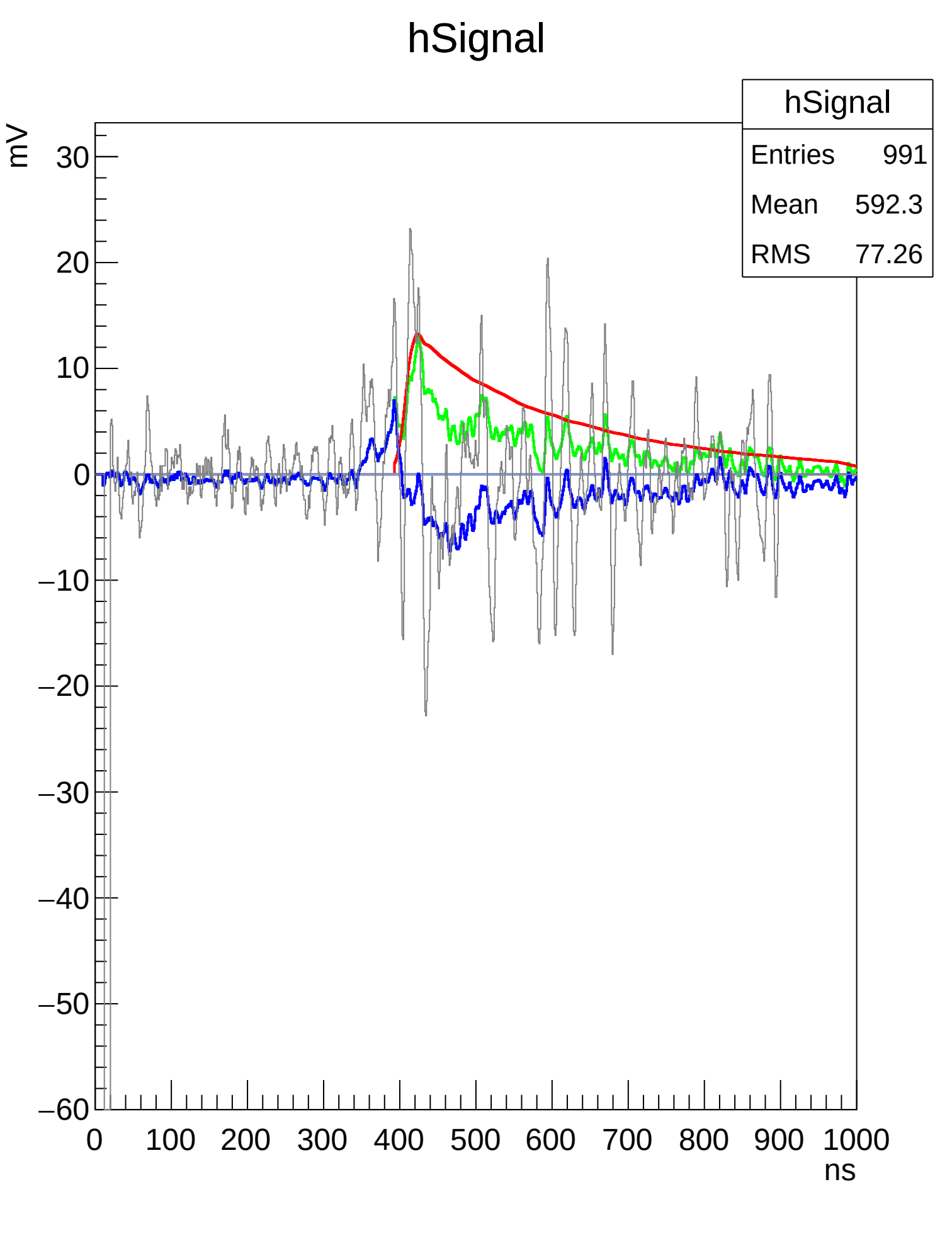
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.6
RMS 143.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.3
RMS 77.26
mV
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20
10
0
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−40
−50
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0
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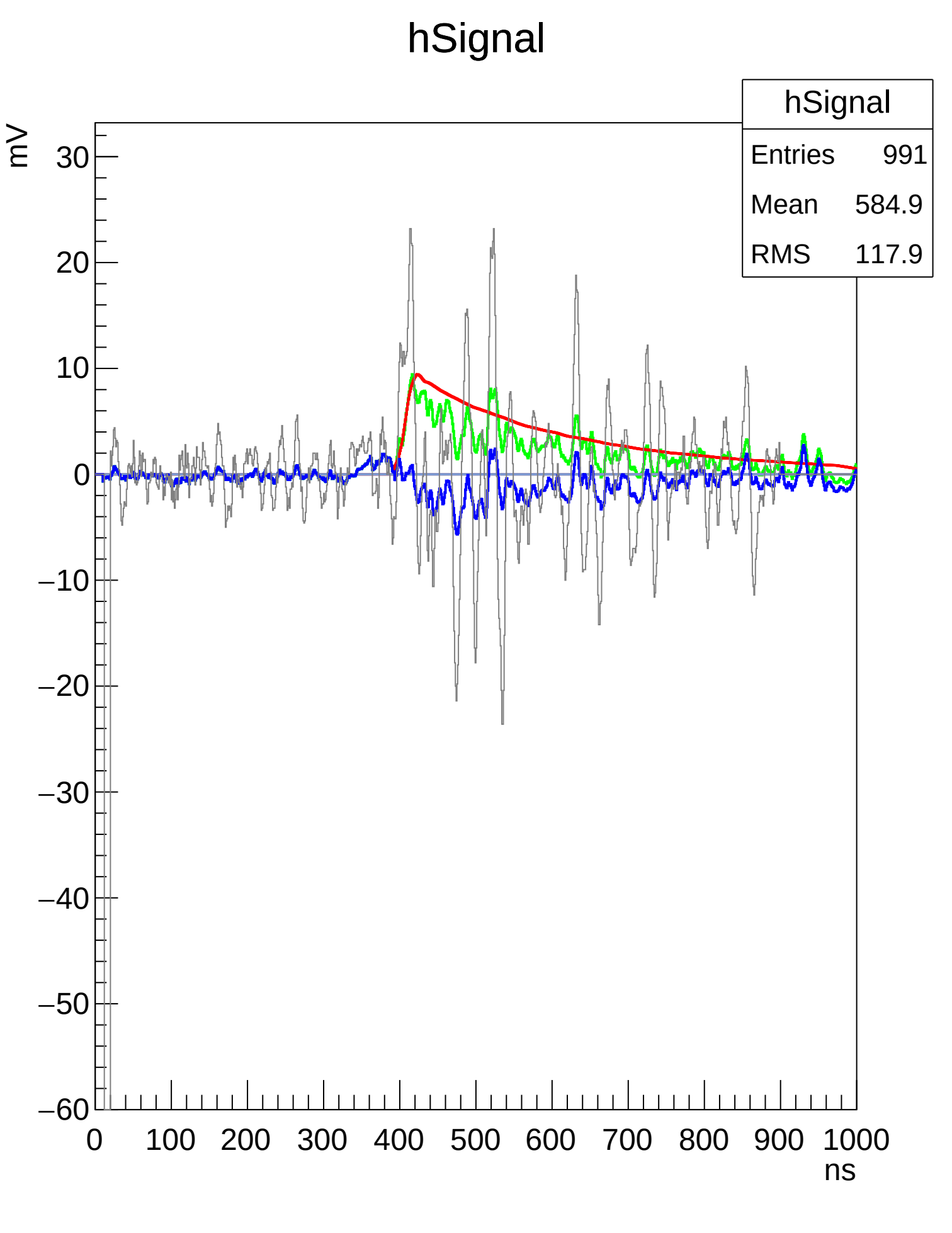
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.9
RMS 117.9
mV
30
20
10
0
−10
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−40
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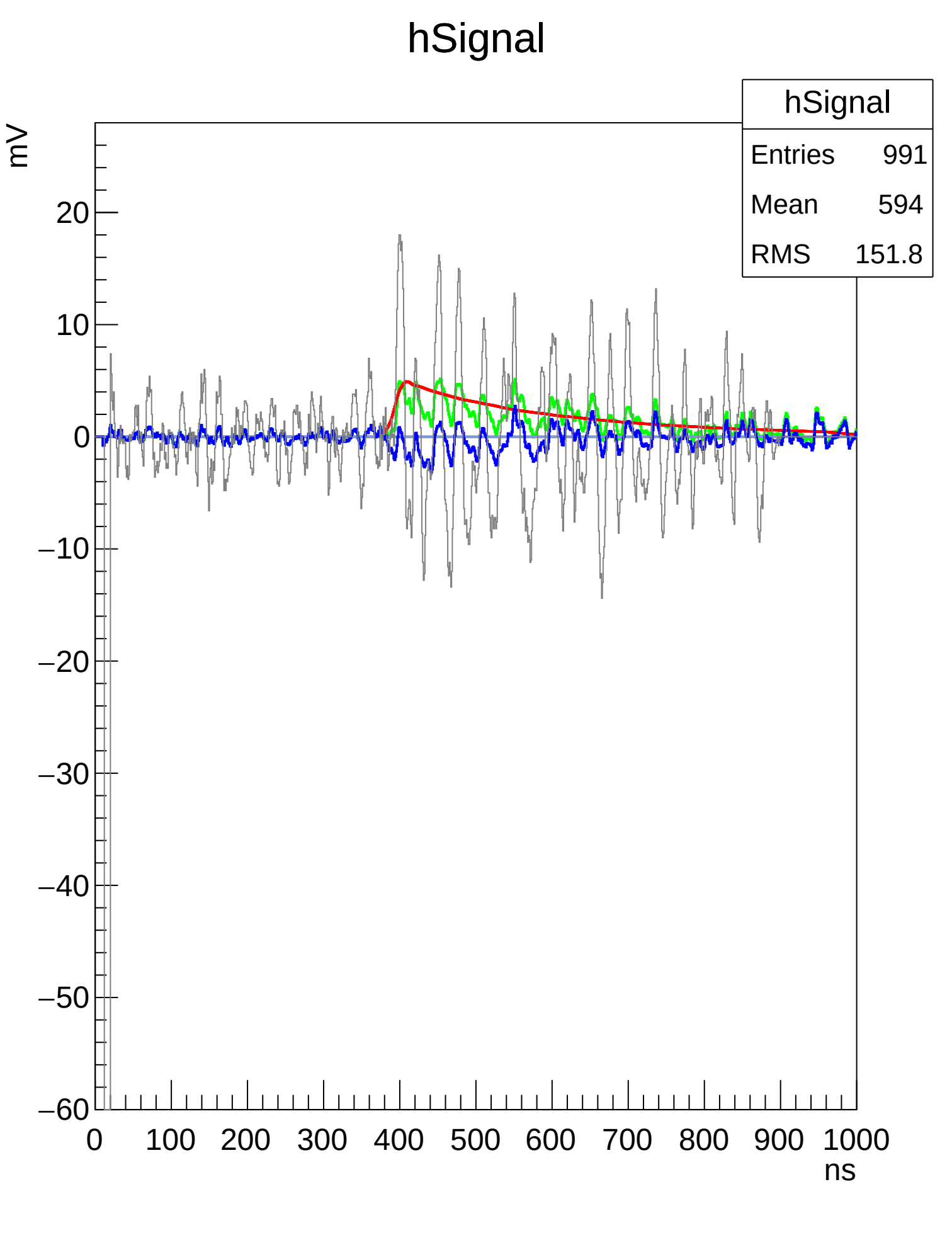
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594
RMS 151.8
mV
20
10
0
−10
−20
−30
−40
−50
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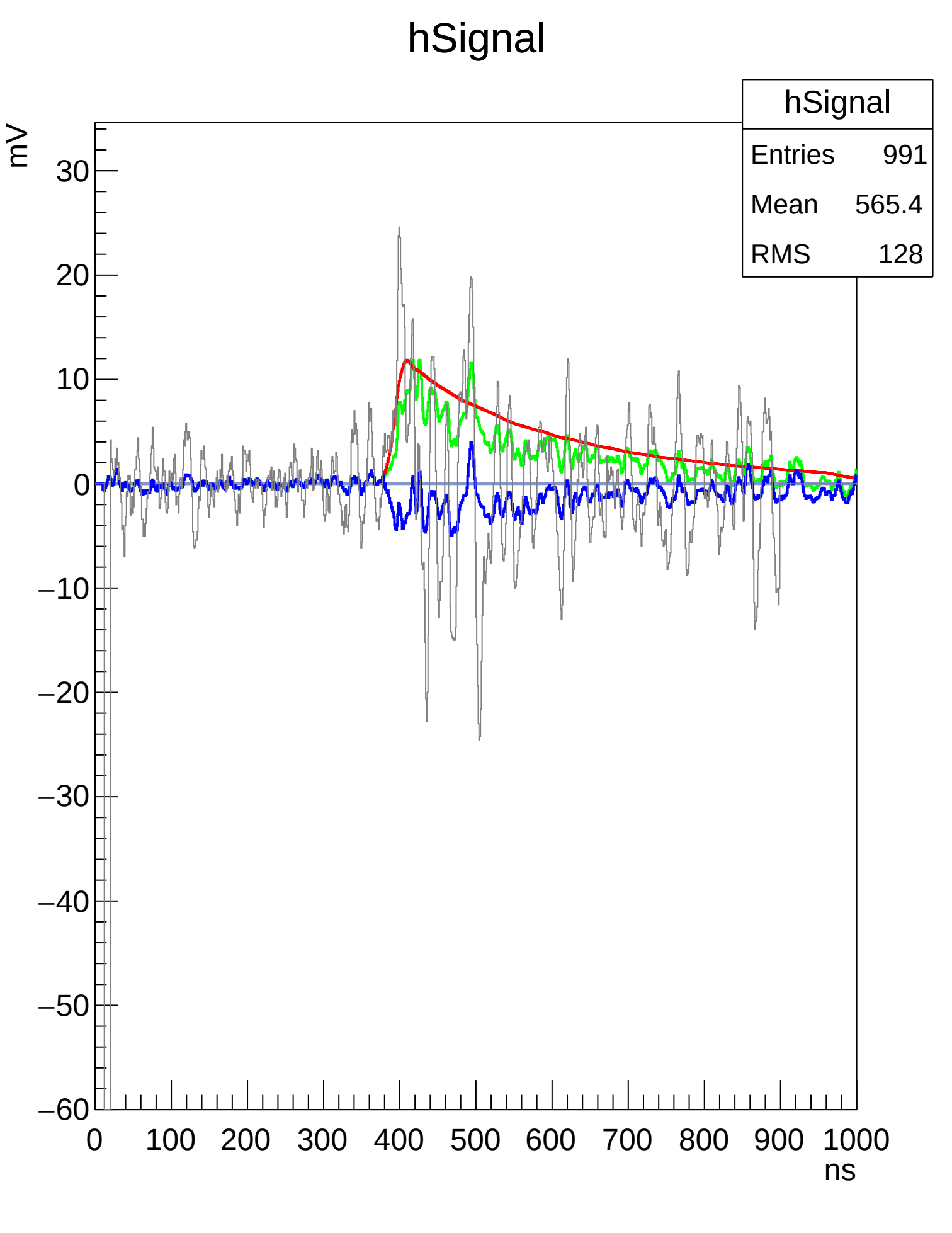
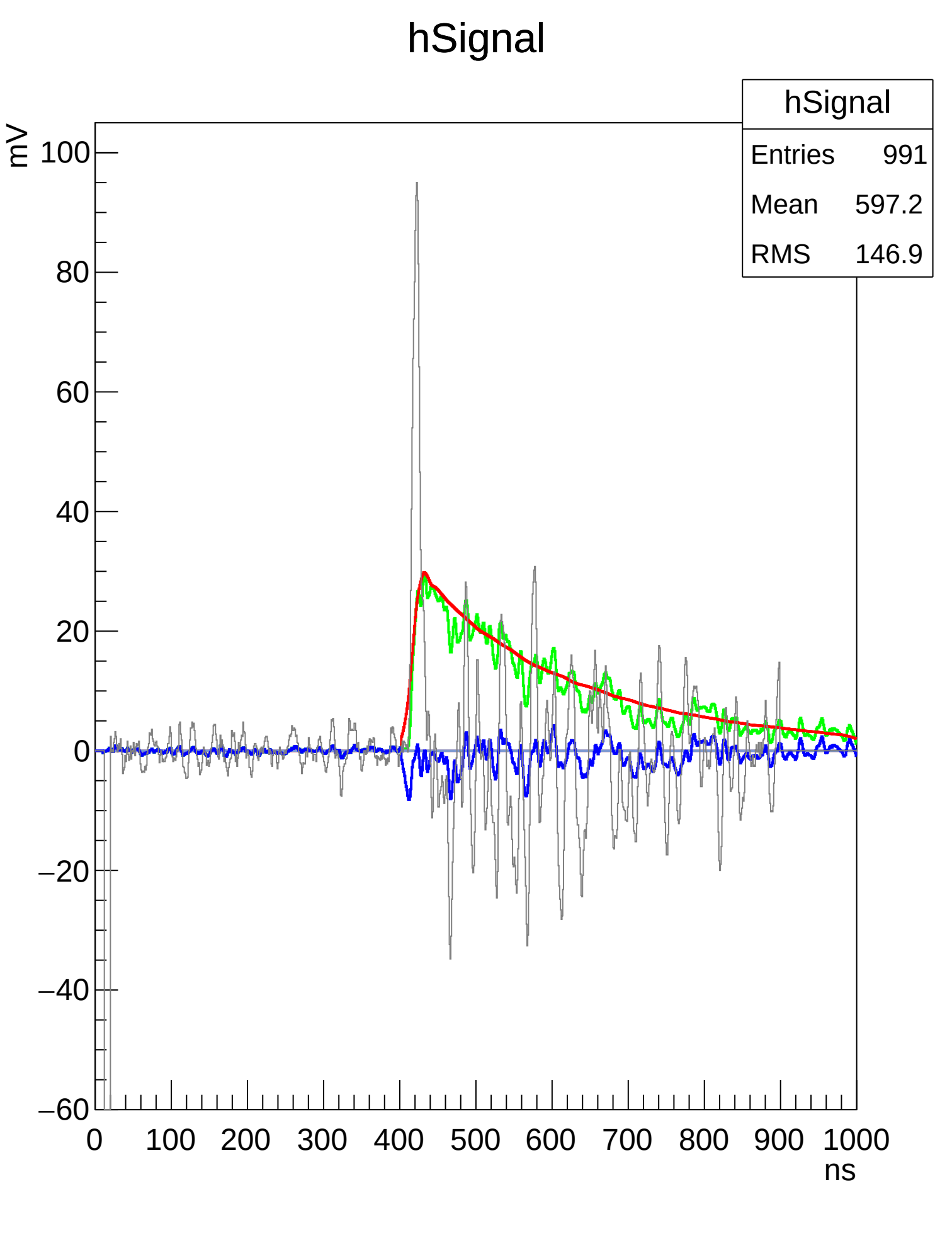
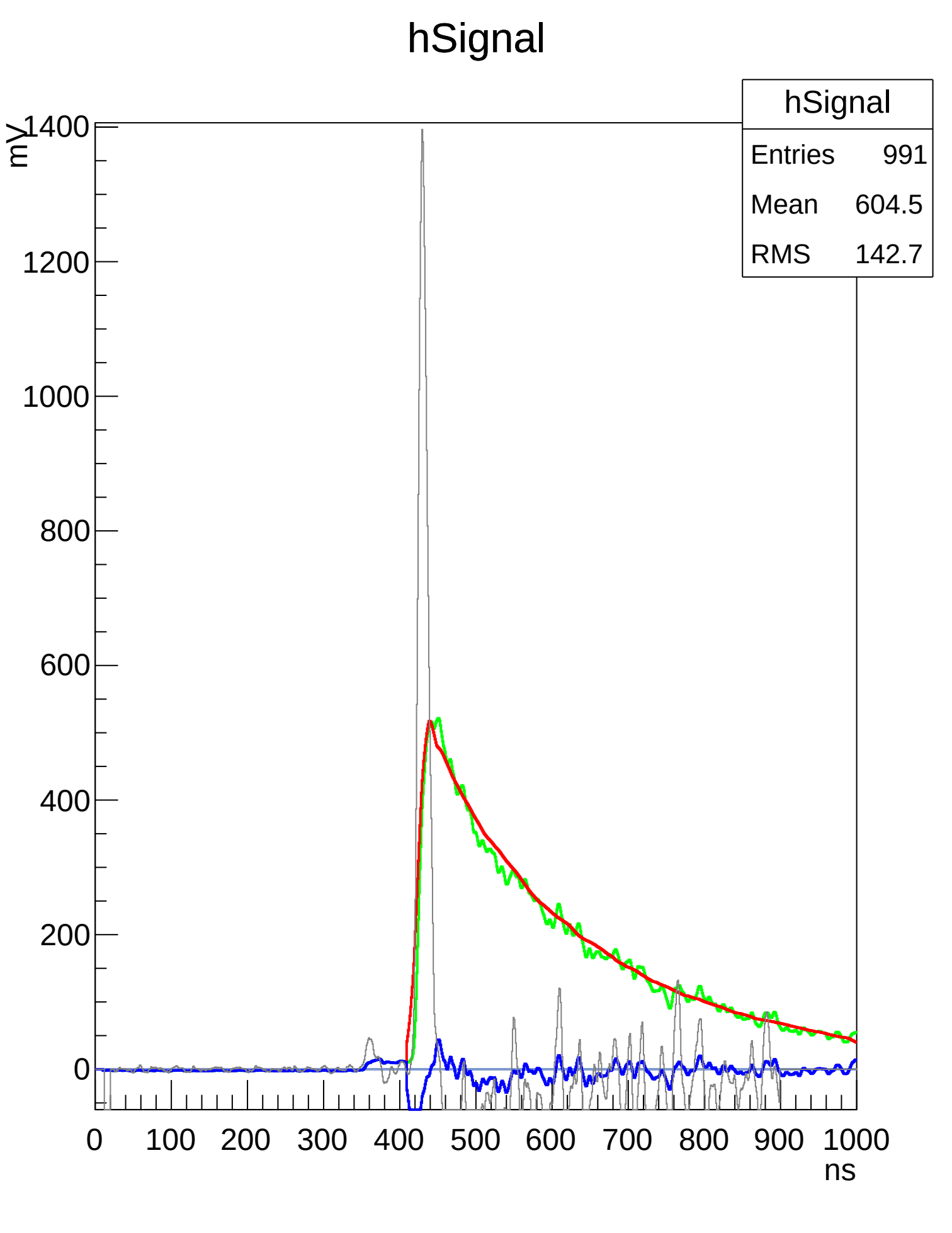
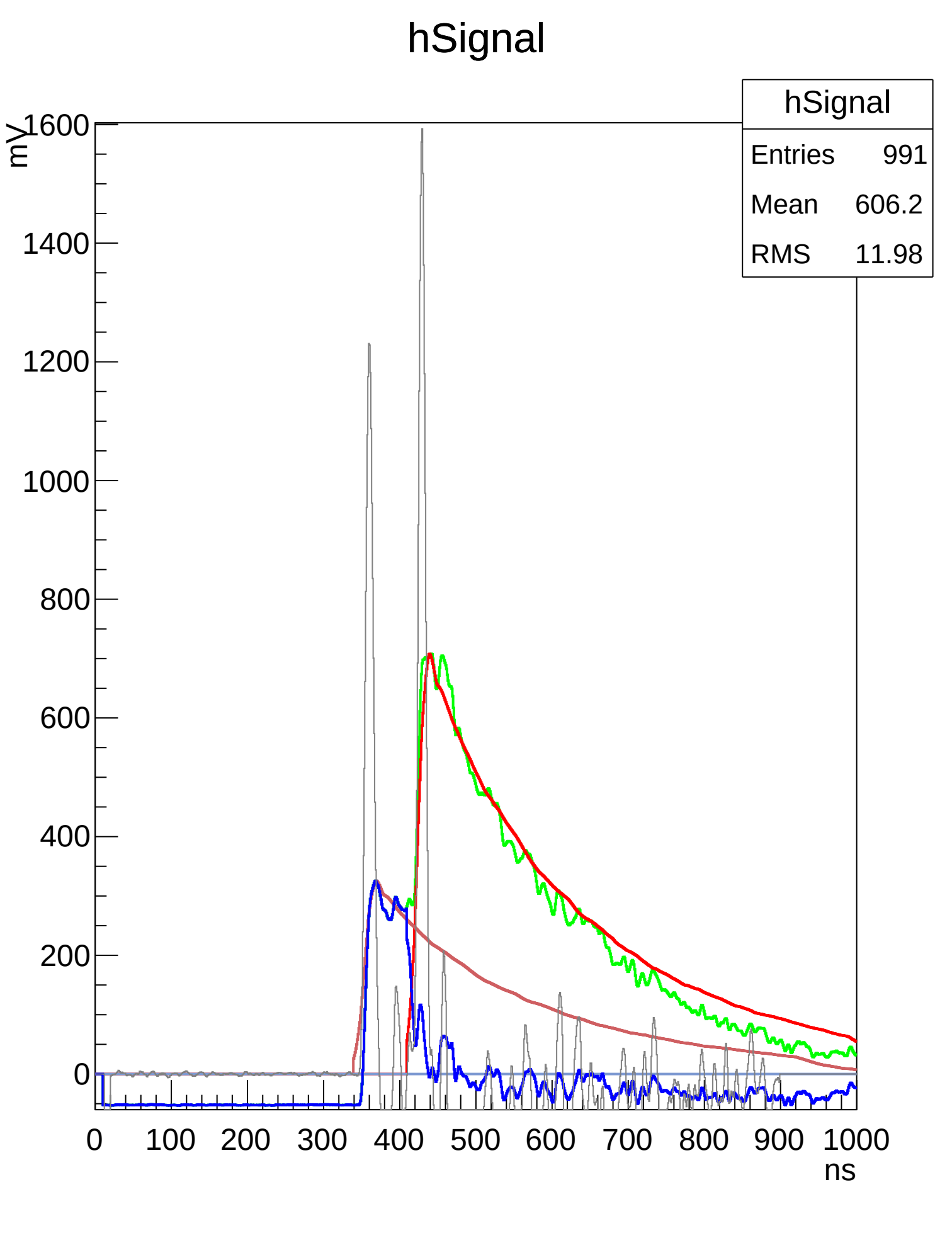
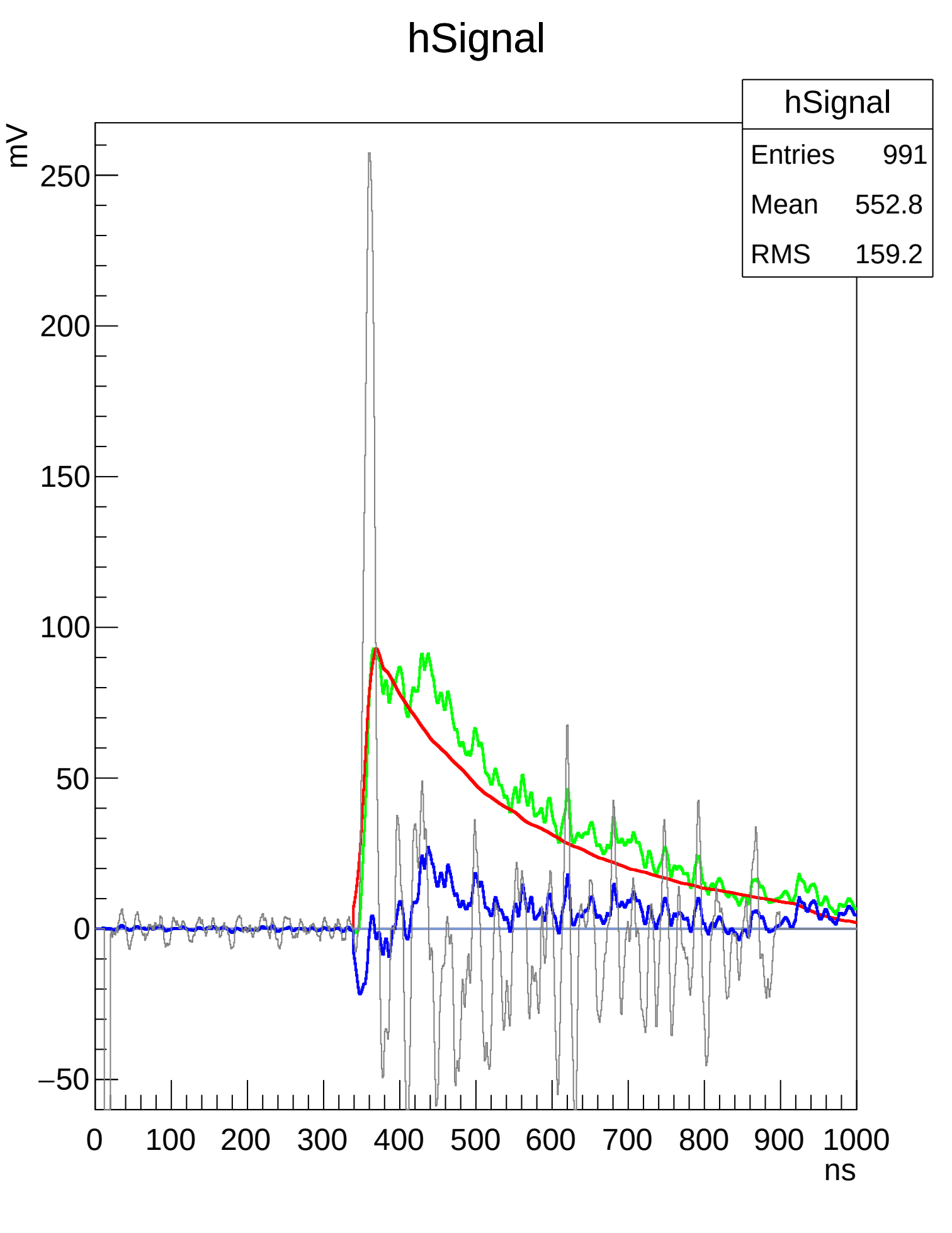
600
700
800
900
1000
ns

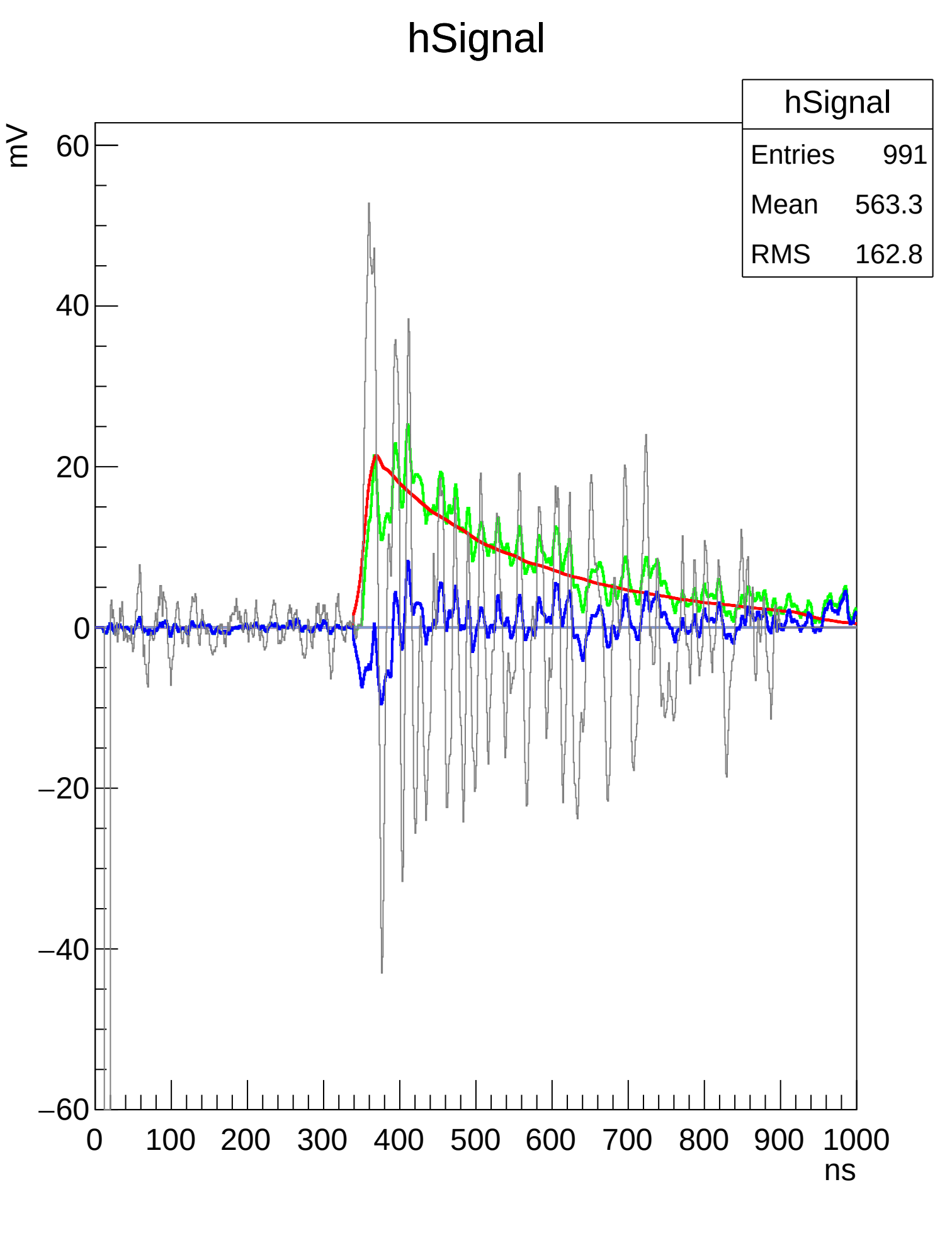

hSignal
hSignal
Entries 991
Mean 565.4
RMS 128
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

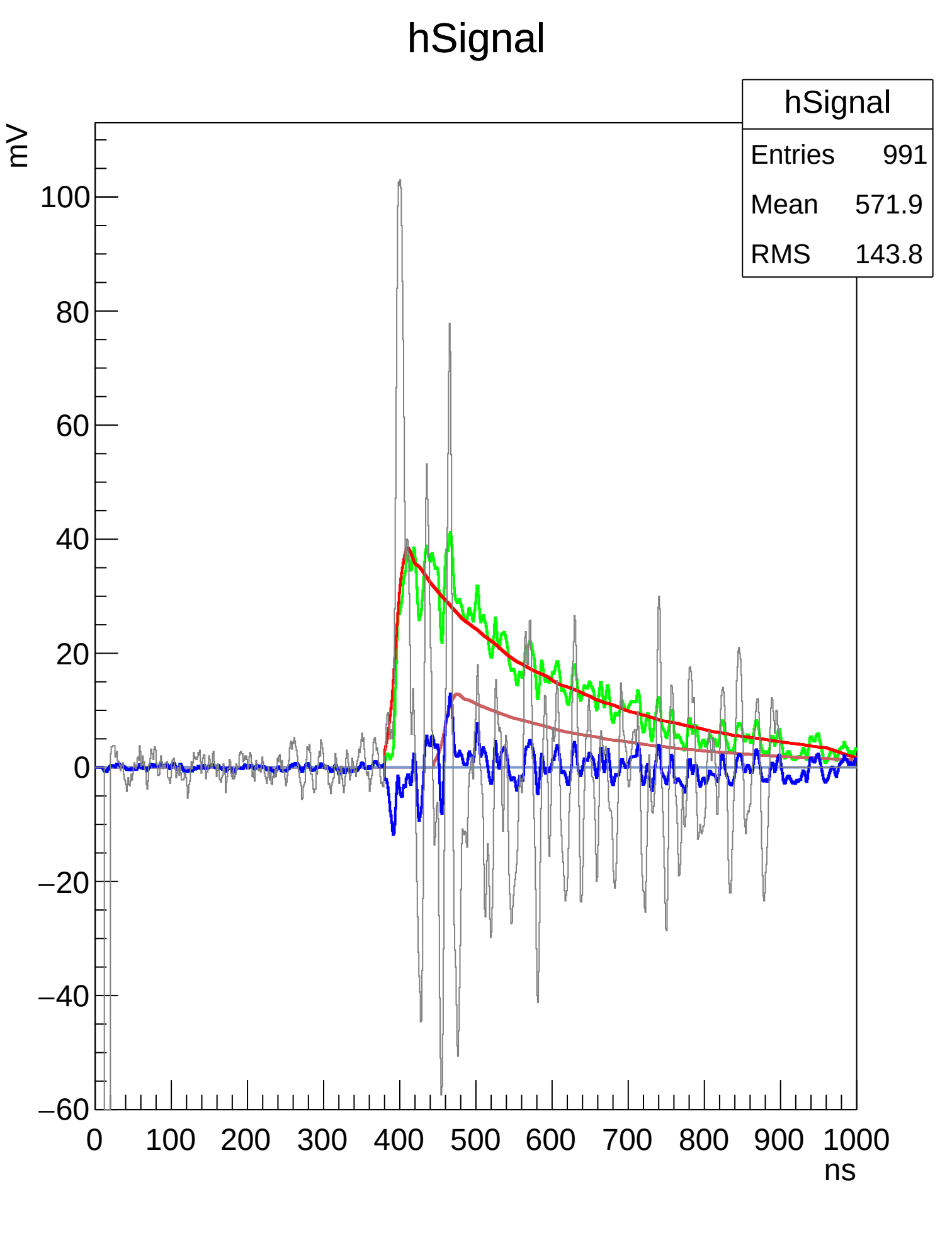

hSignal
hSignal
Entries 991
Mean 597.2
RMS 146.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

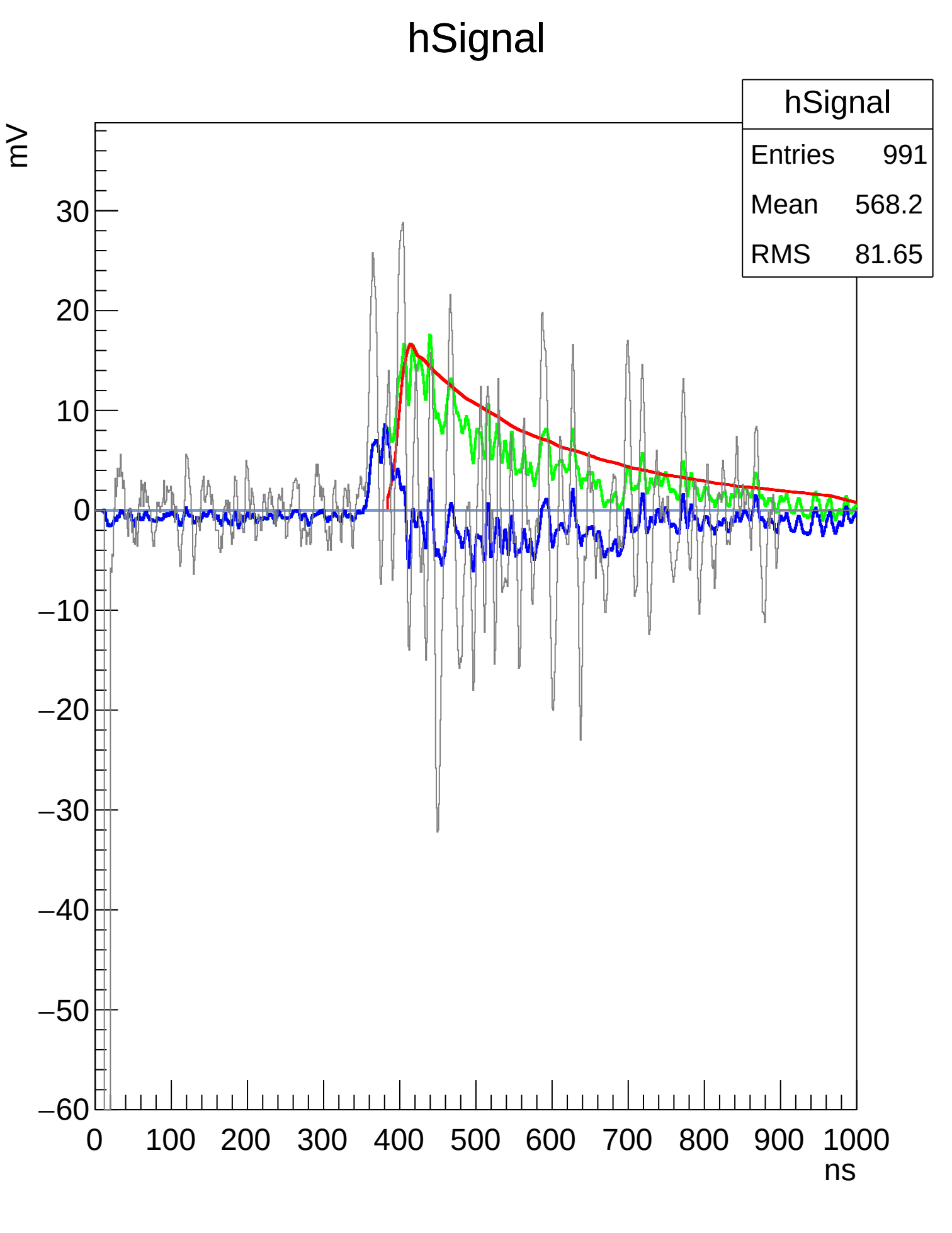

hSignal
hSignal
Entries 991
Mean 604.5
RMS 142.7
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.2
RMS 11.98
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.8
RMS 159.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.3
RMS 162.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.9
RMS 143.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.2
RMS 81.65
mV
30
20
10
0
−10
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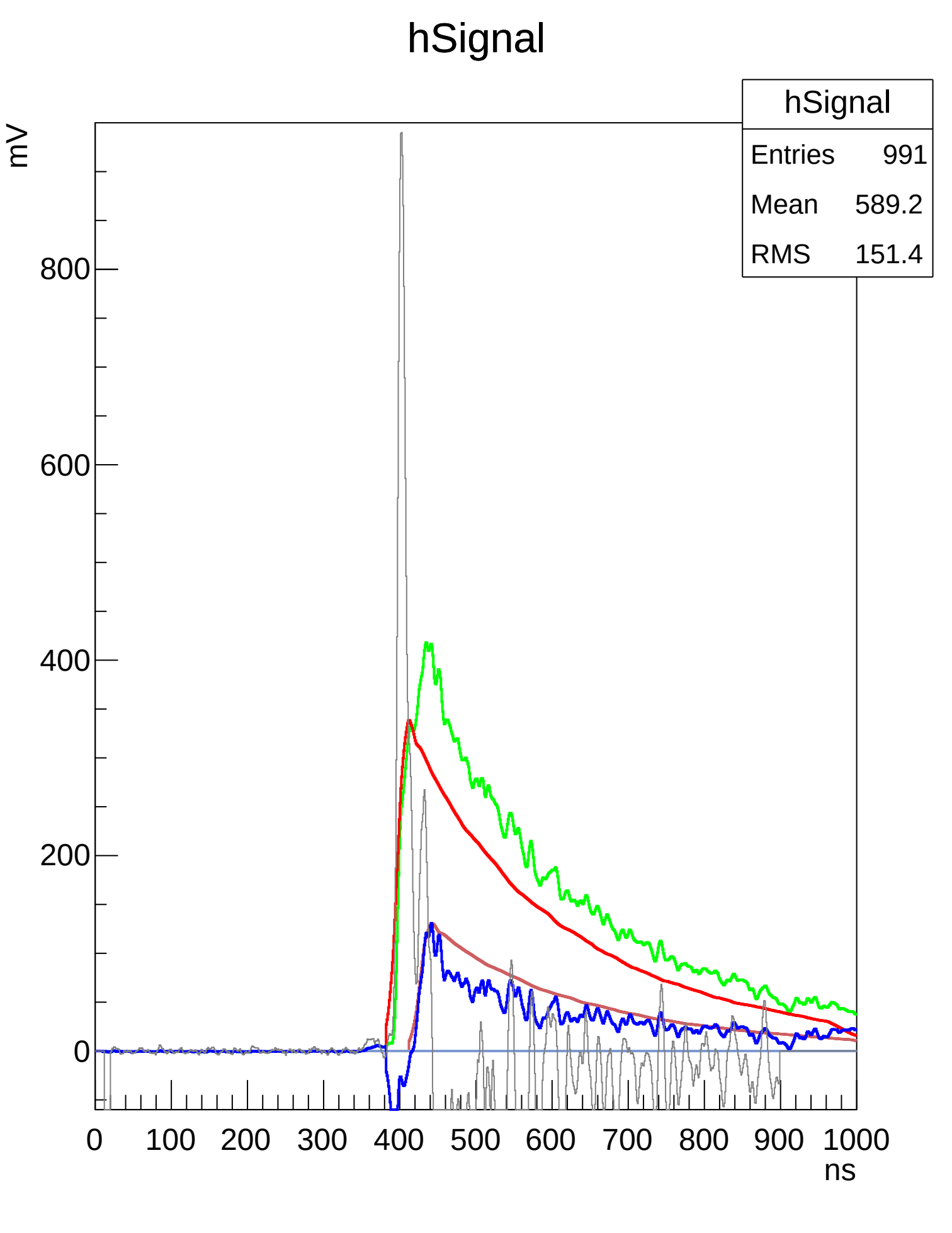
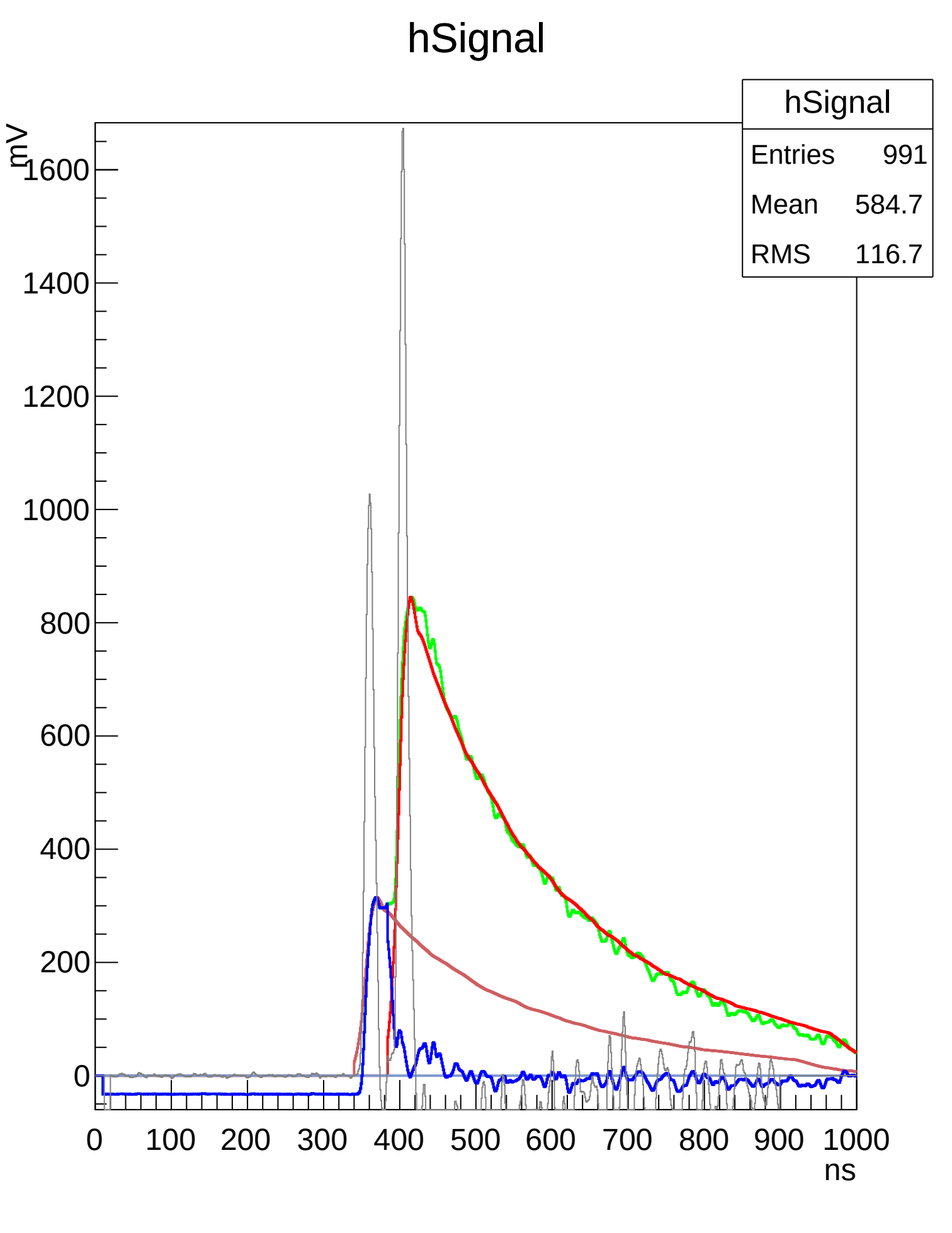
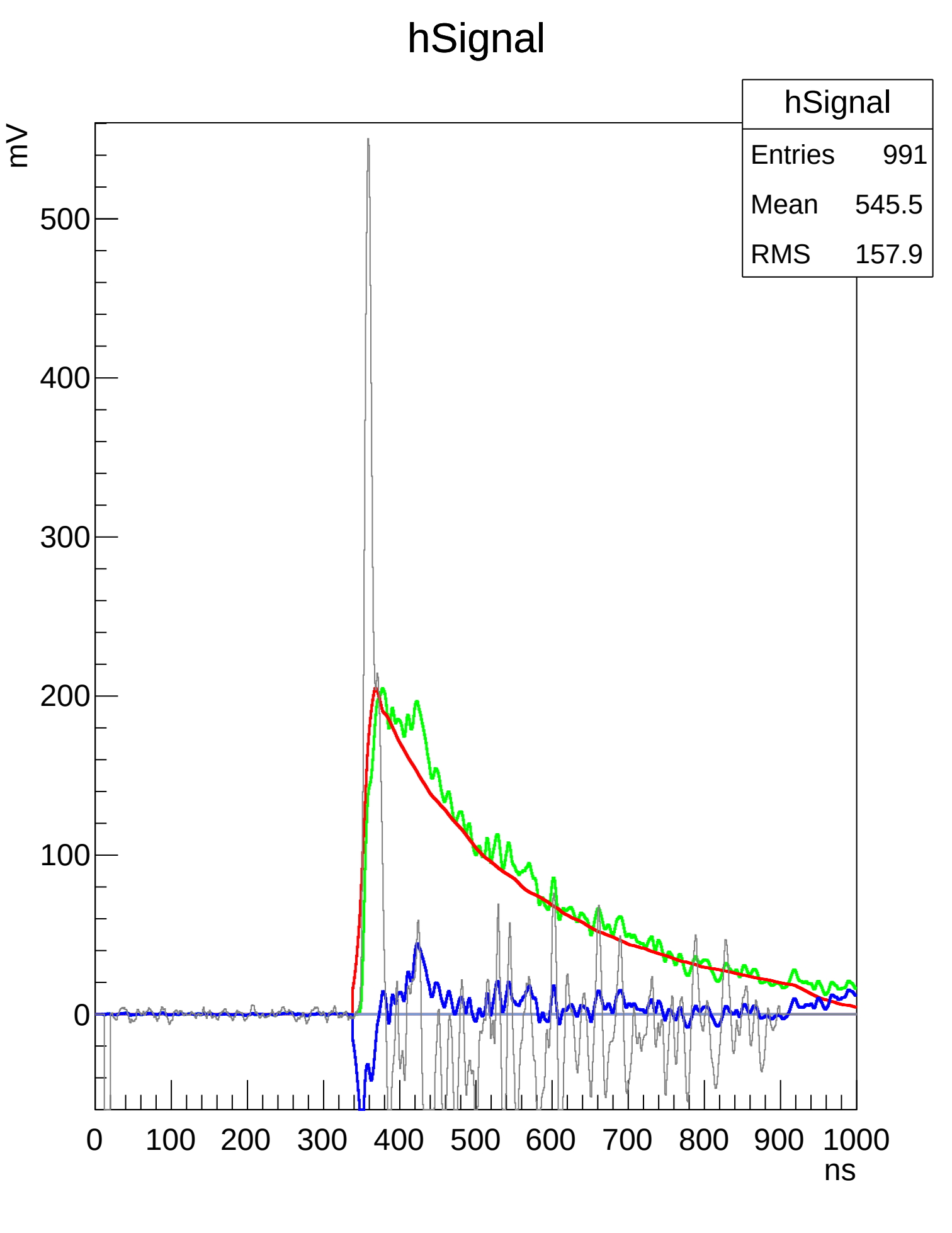
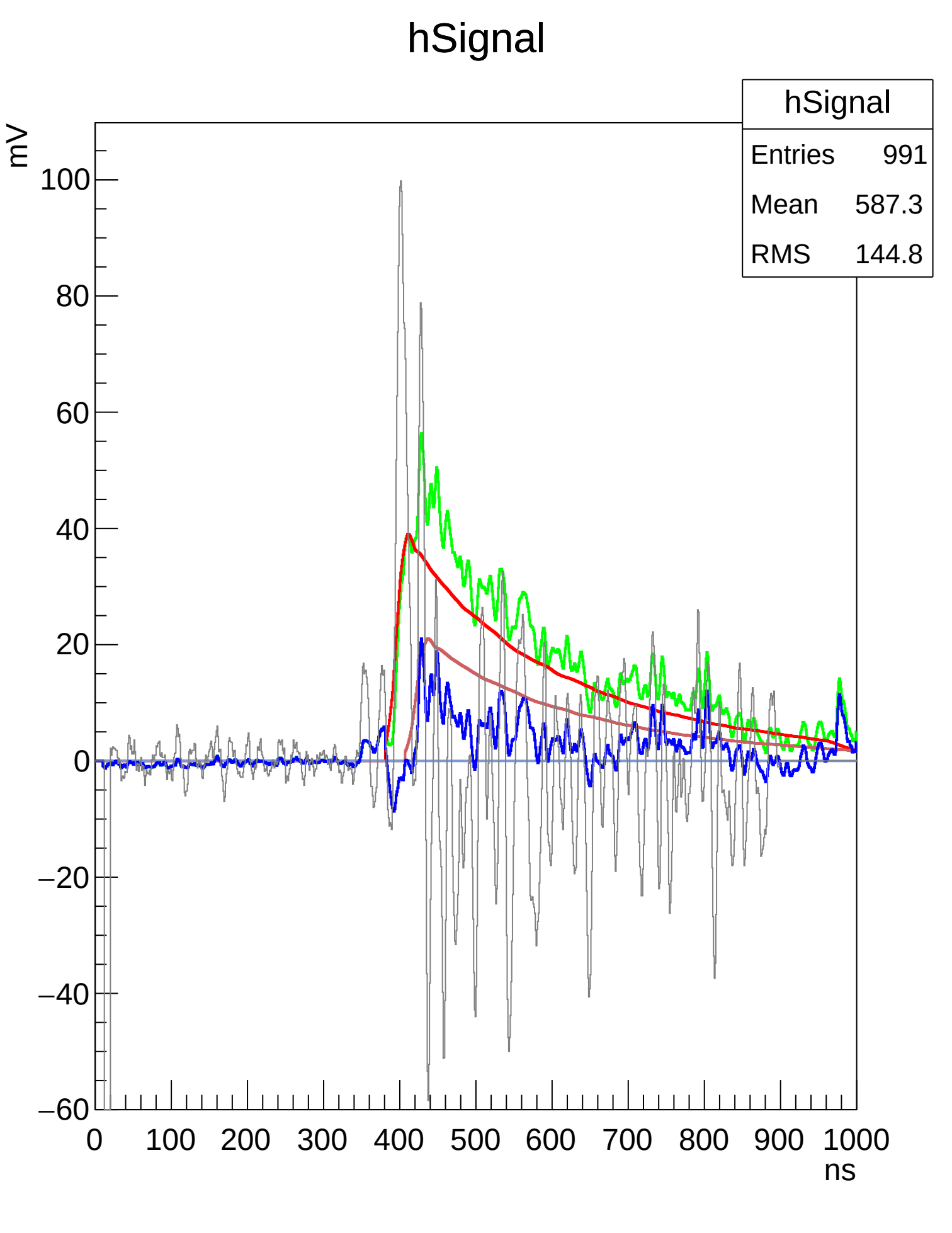
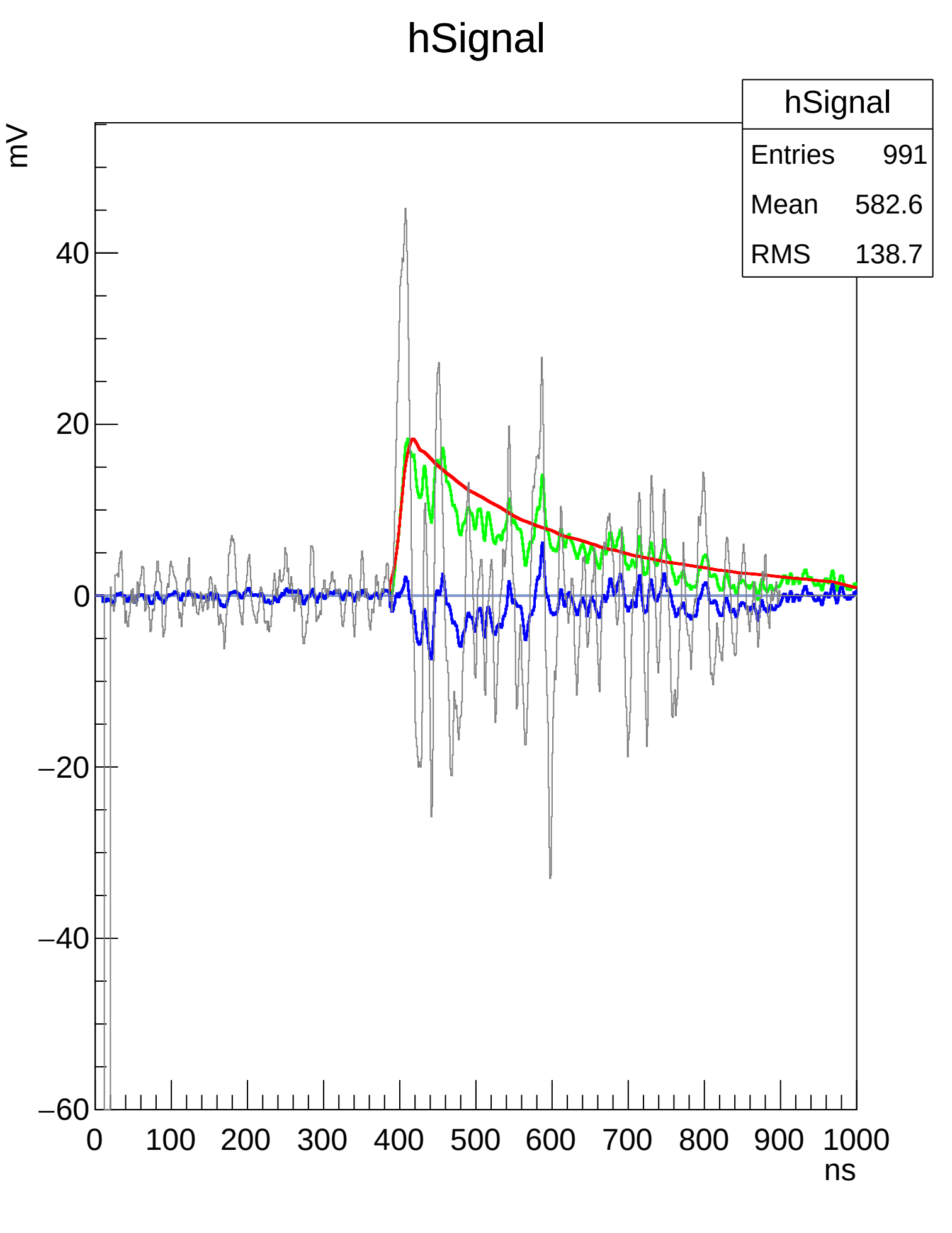
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 151.4
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 584.7
RMS 116.7
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.5
RMS 157.9
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 587.3
RMS 144.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.6
RMS 138.7
mV
40
20
0
−20
−40
−60
0
100
200
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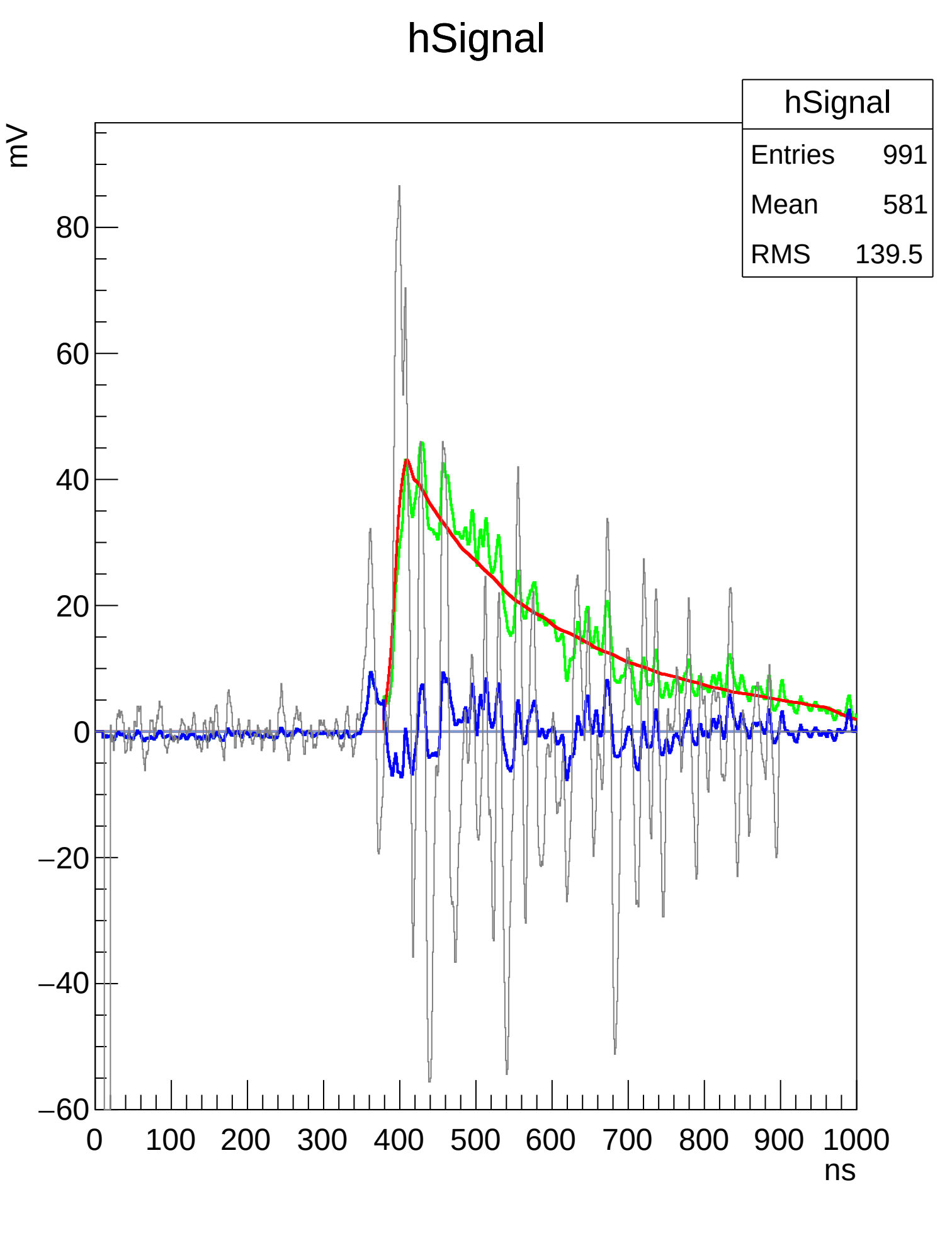
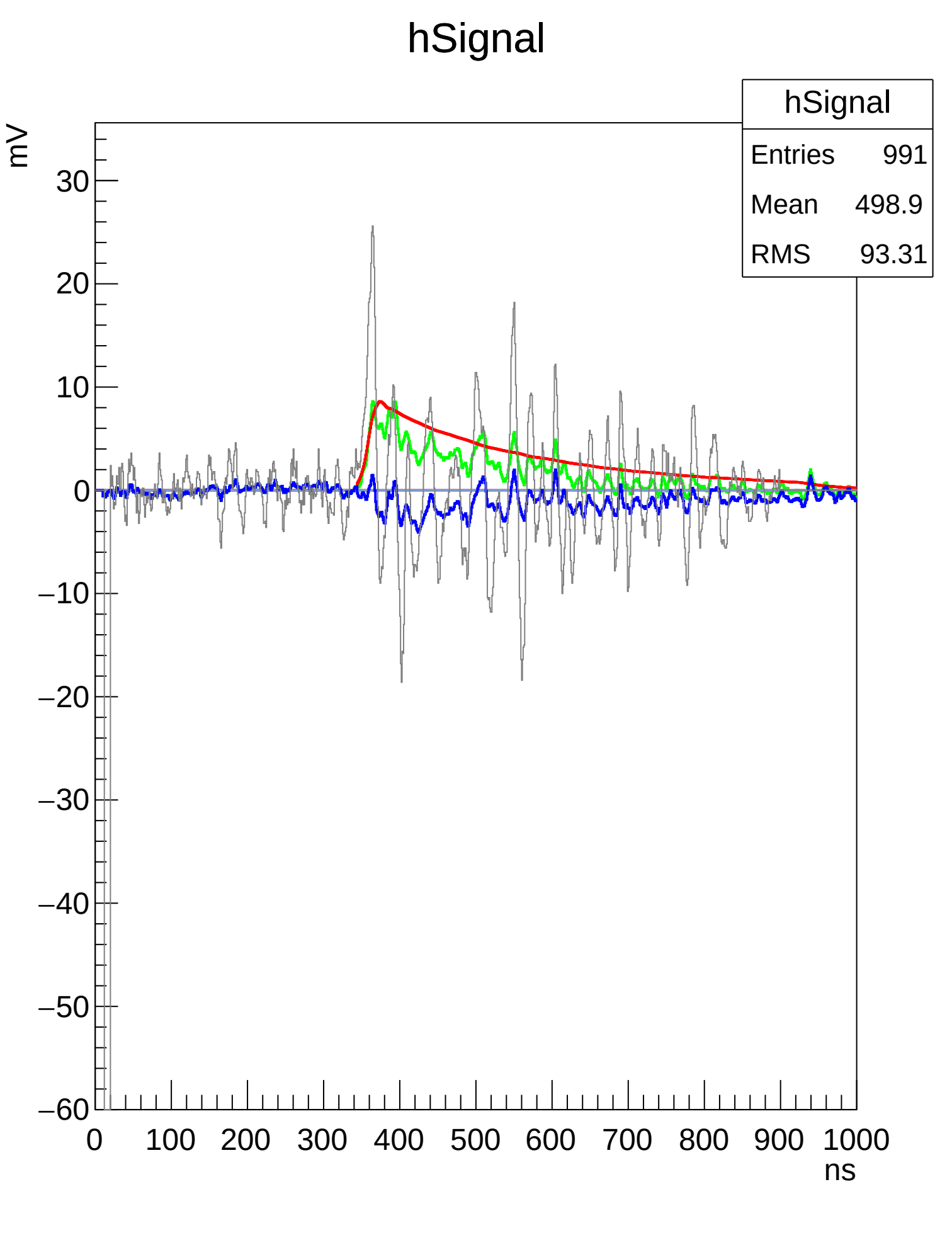
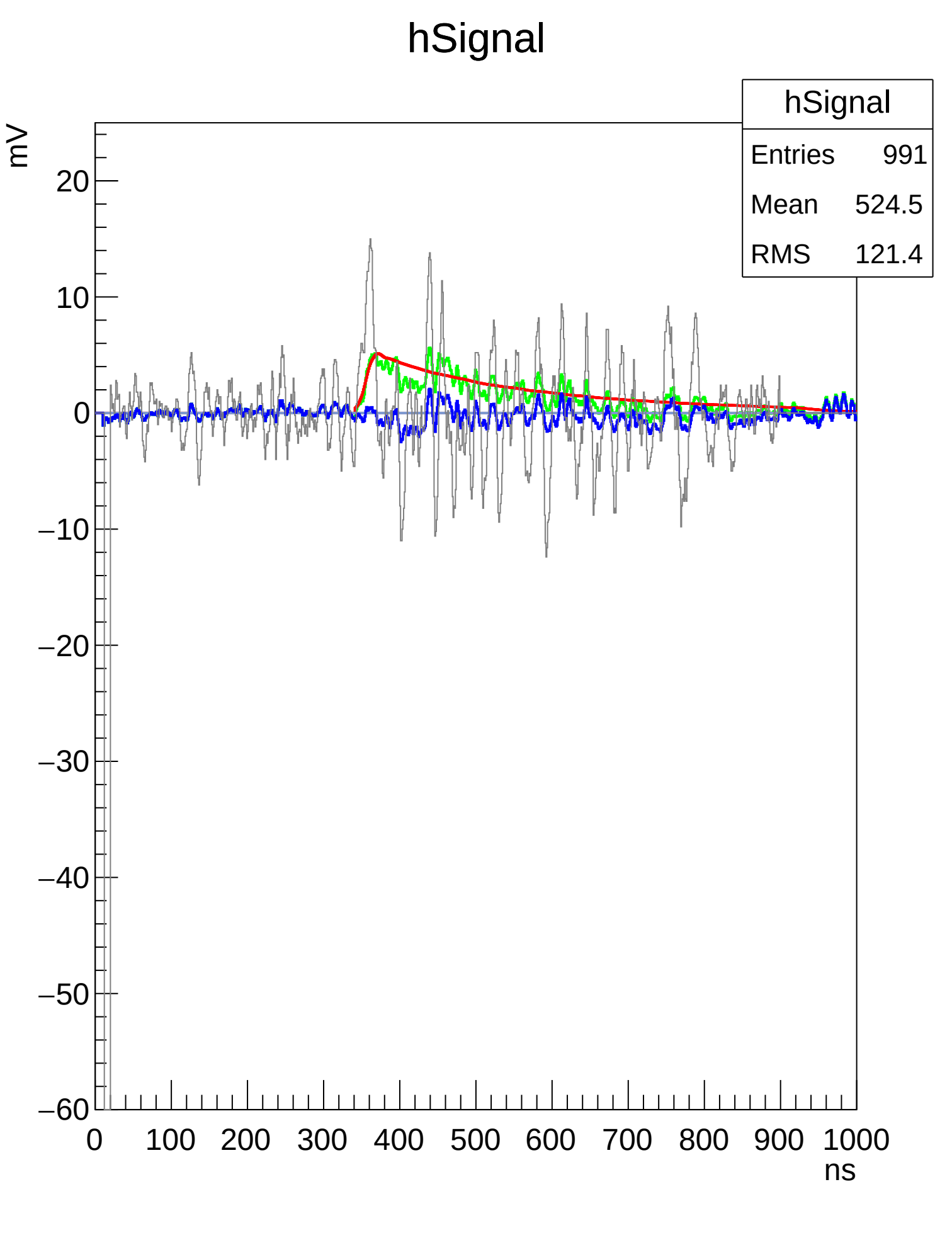
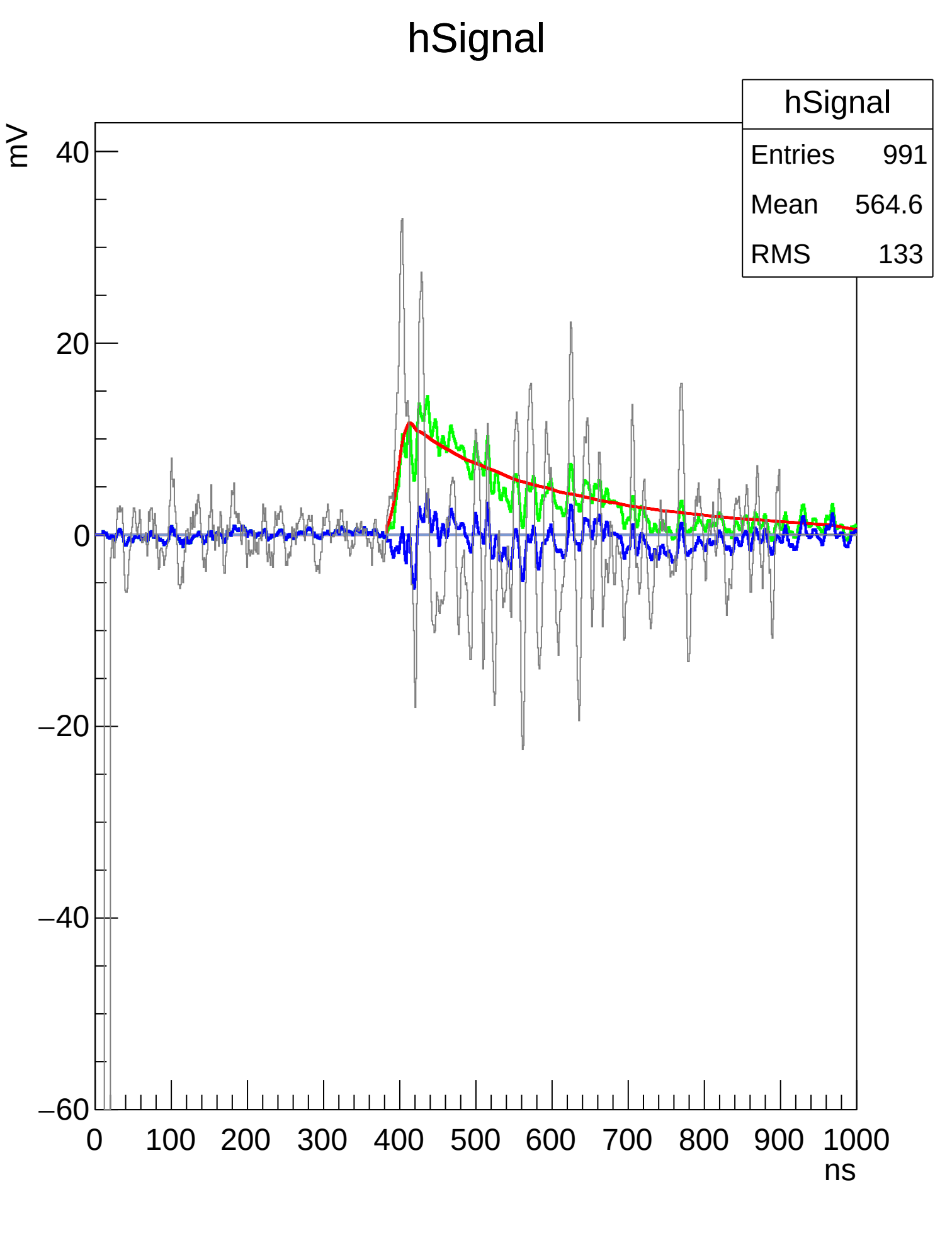
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 139.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.9
RMS 93.31
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.5
RMS 121.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.6
RMS 133
mV
40
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0
−20
−40
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0
100
200
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600
700
800
900
1000
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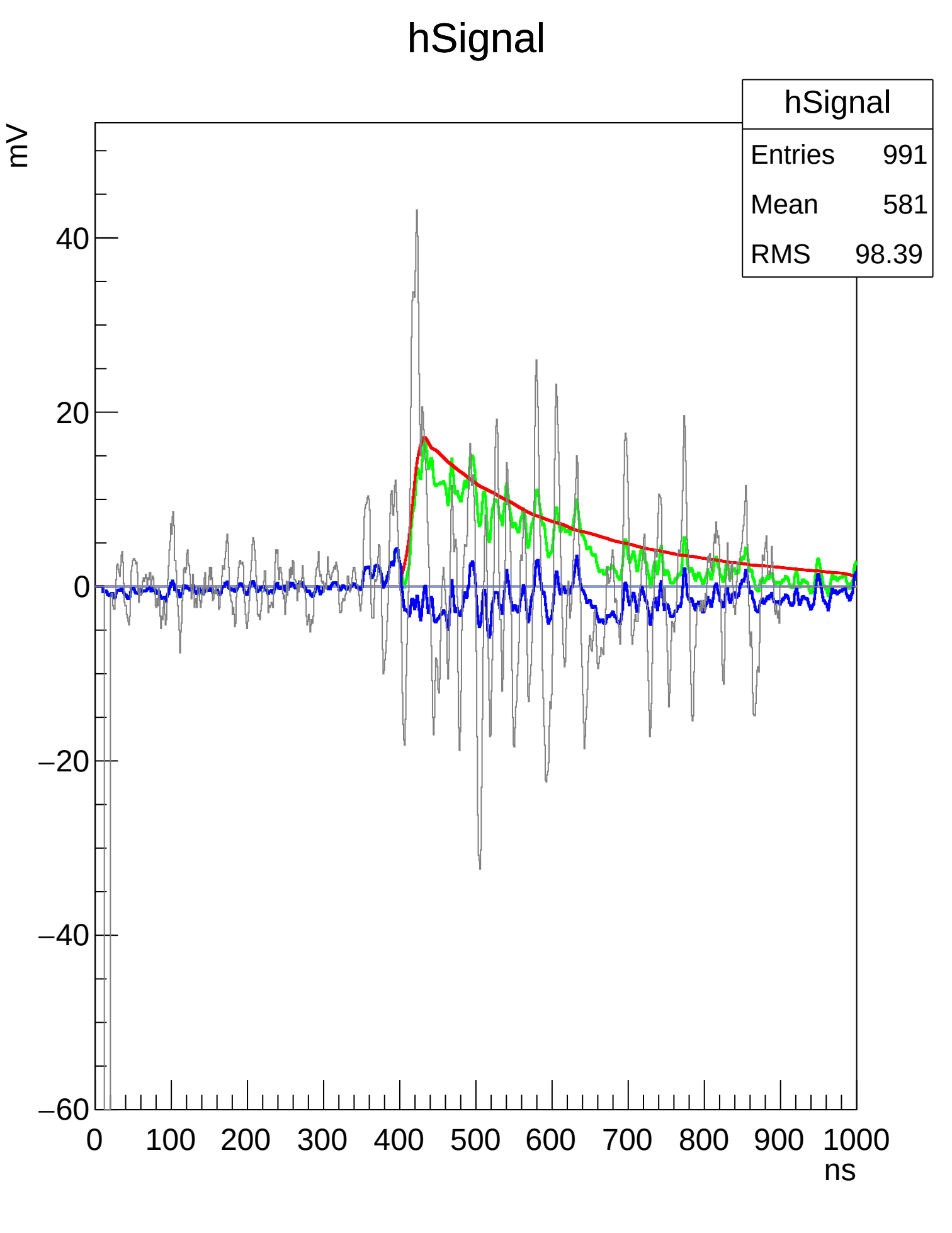
hSignal
hSignal
Entries 991
Mean 581
RMS 98.39
mV
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0
100
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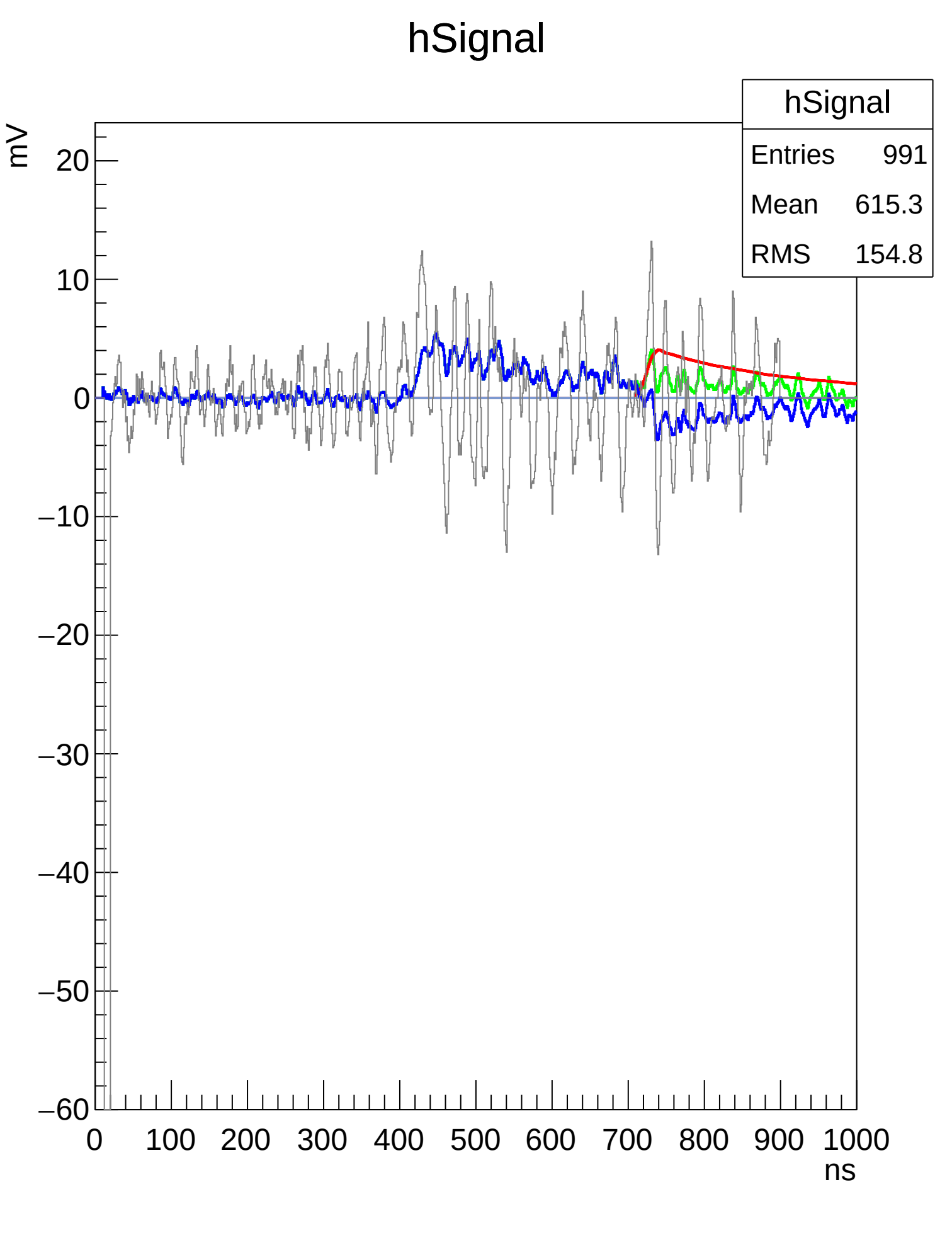
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.3
RMS 154.8
mV
20
10
0
−10
−20
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−40
−50
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0
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200
300
400
500
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1000
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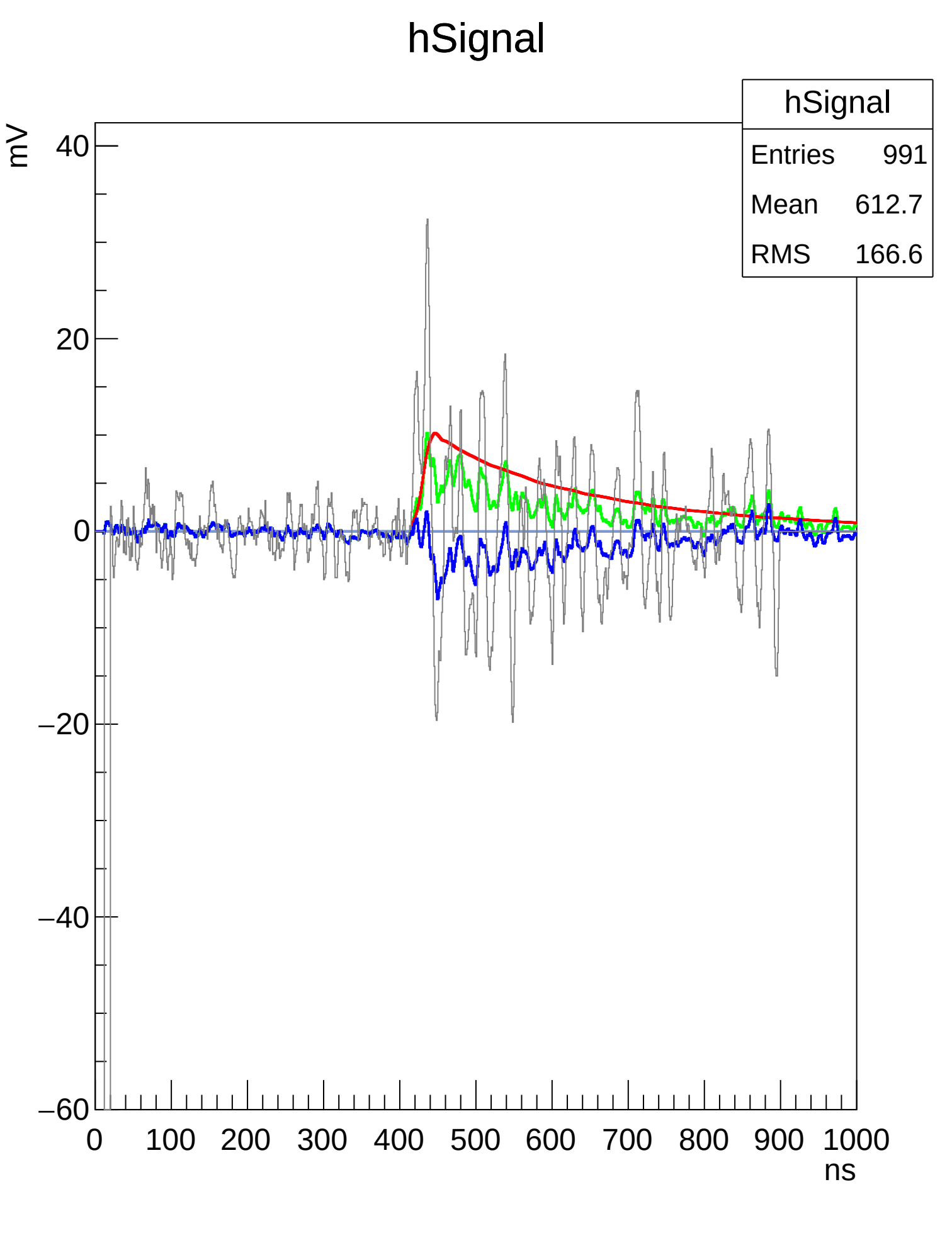
hSignal
hSignal
Entries 991
Mean 612.7
RMS 166.6
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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1000
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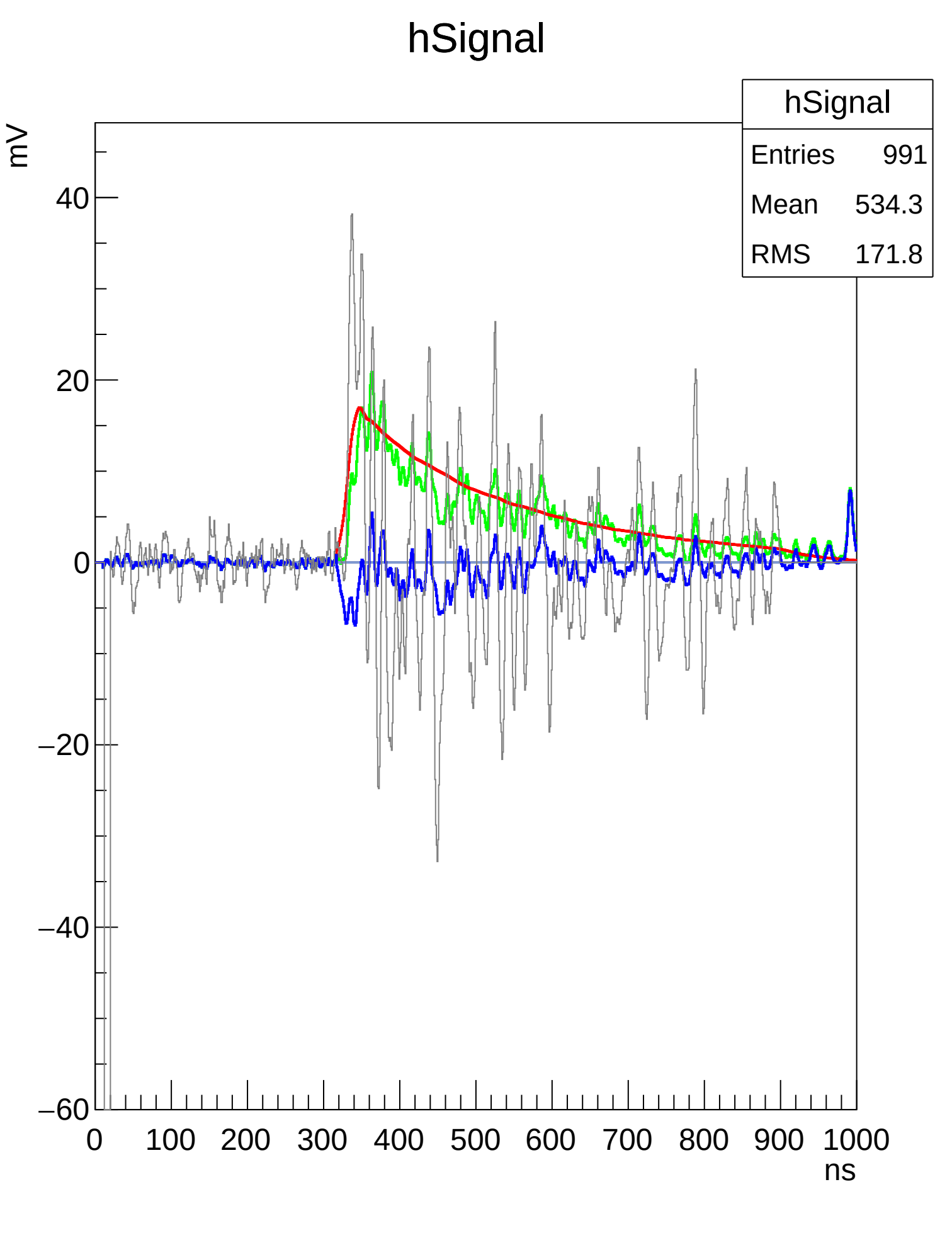
hSignal
hSignal
Entries 991
Mean 534.3
RMS 171.8
mV
40
20
0
−20
−40
−60
0
100
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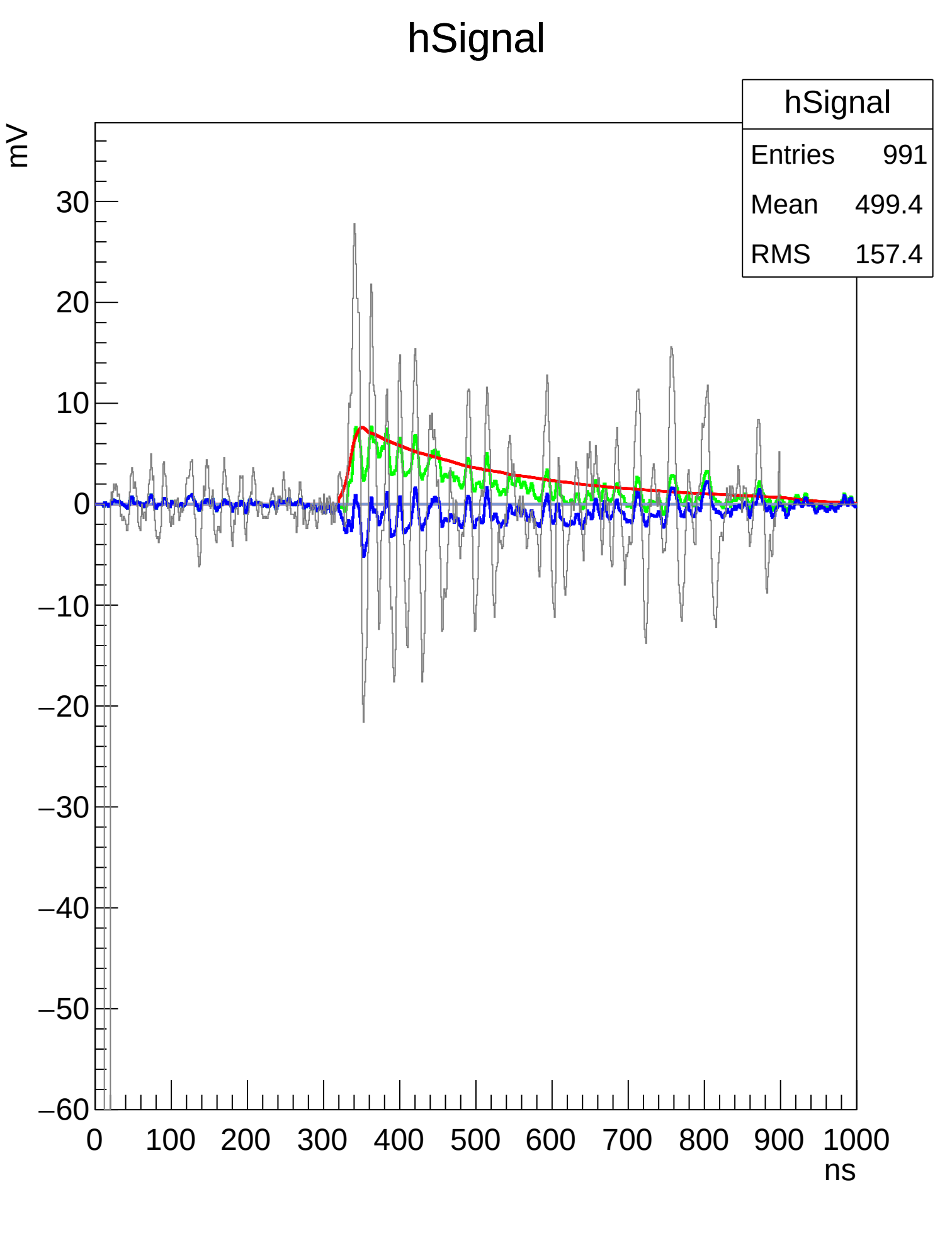
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.4
RMS 157.4
mV
30
20
10
0
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−40
−50
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0
100
200
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400
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600
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800
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1000
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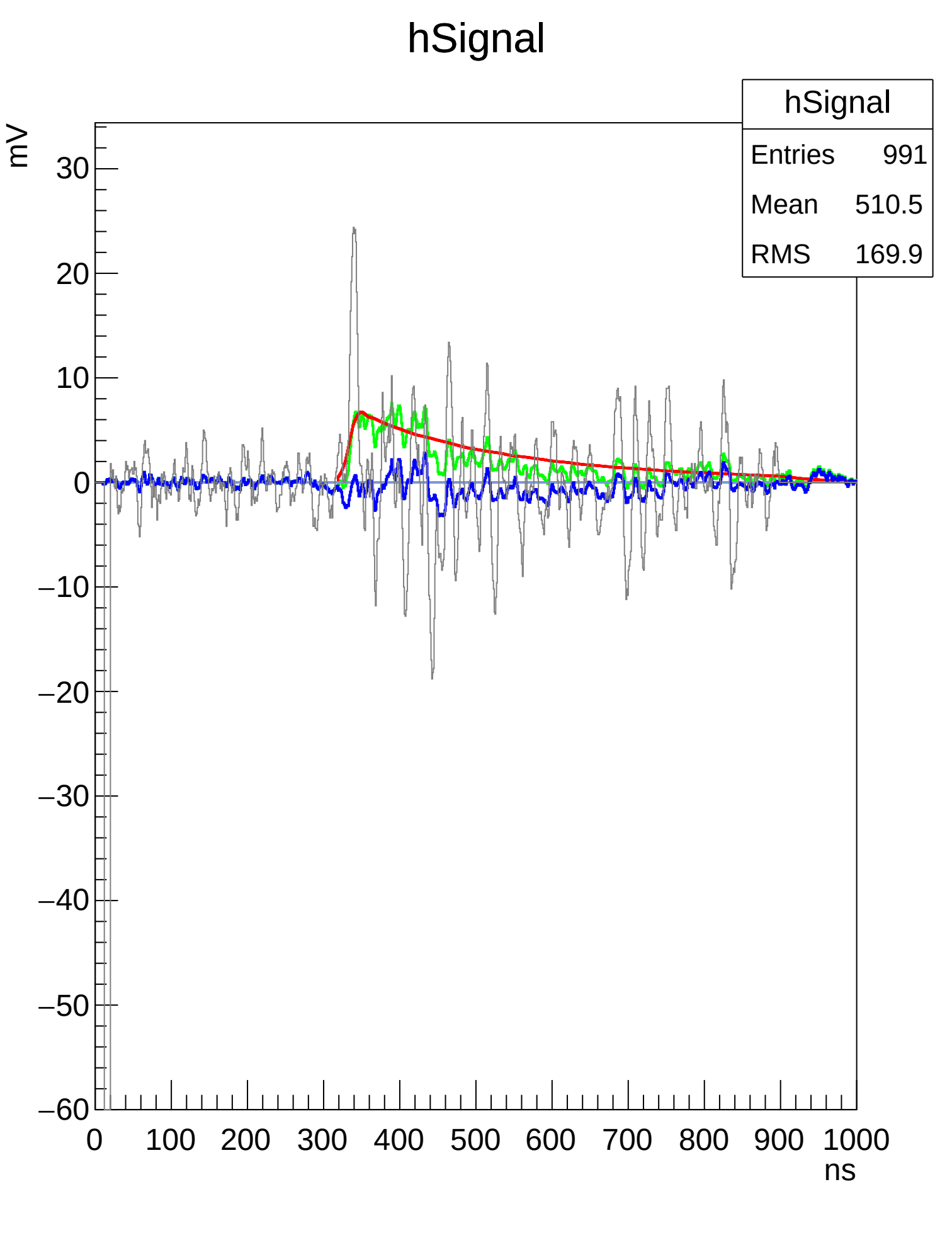
hSignal
hSignal
Entries 991
Mean 510.5
RMS 169.9
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
300
400
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600
700
800
900
1000
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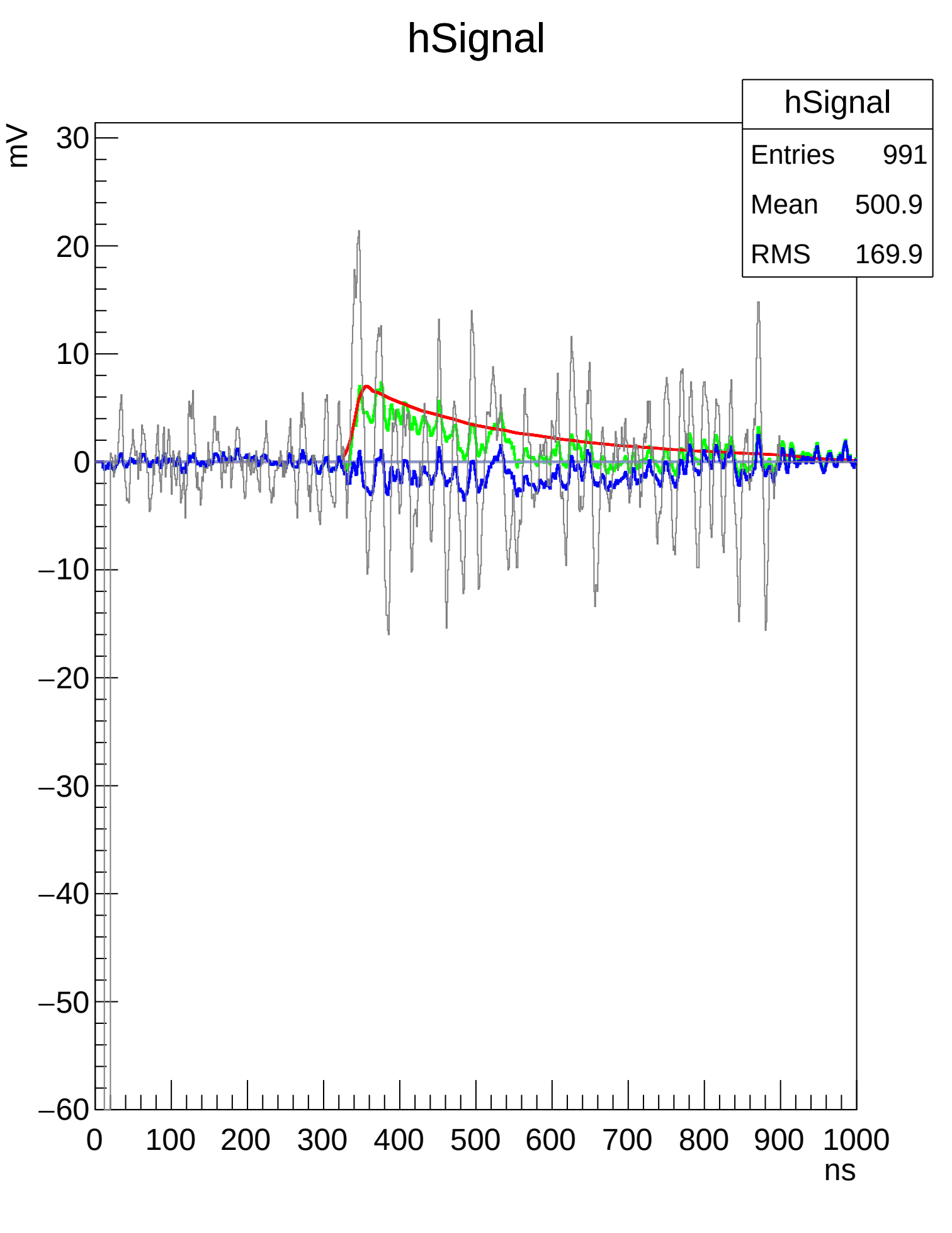
hSignal
hSignal
Entries 991
Mean 500.9
RMS 169.9
mV
30
20
10
0
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−40
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0
100
200
300
400
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800
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1000
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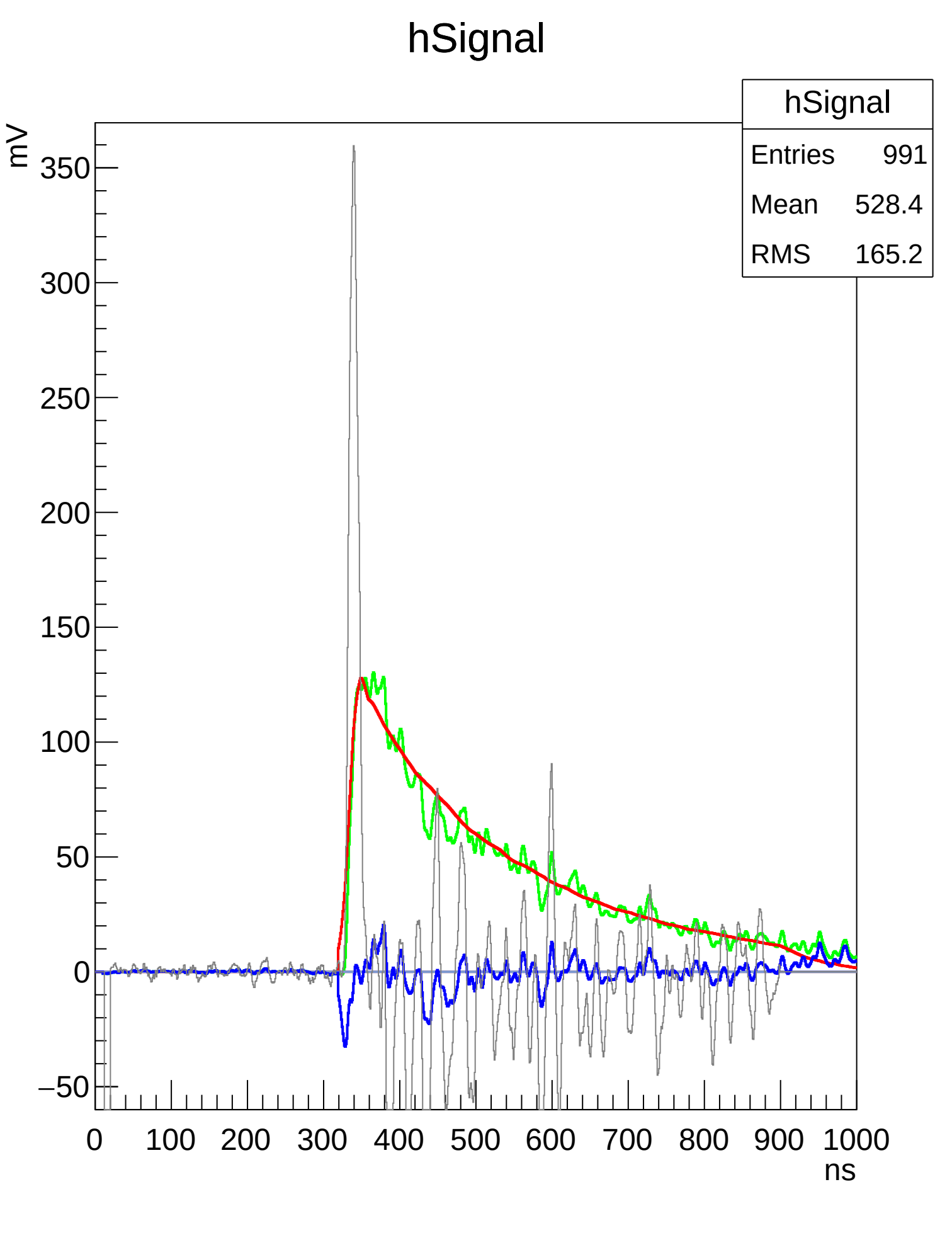
hSignal
hSignal
Entries 991
Mean 528.4
RMS 165.2
mV
350
300
250
200
150
100
50
0
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200
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600
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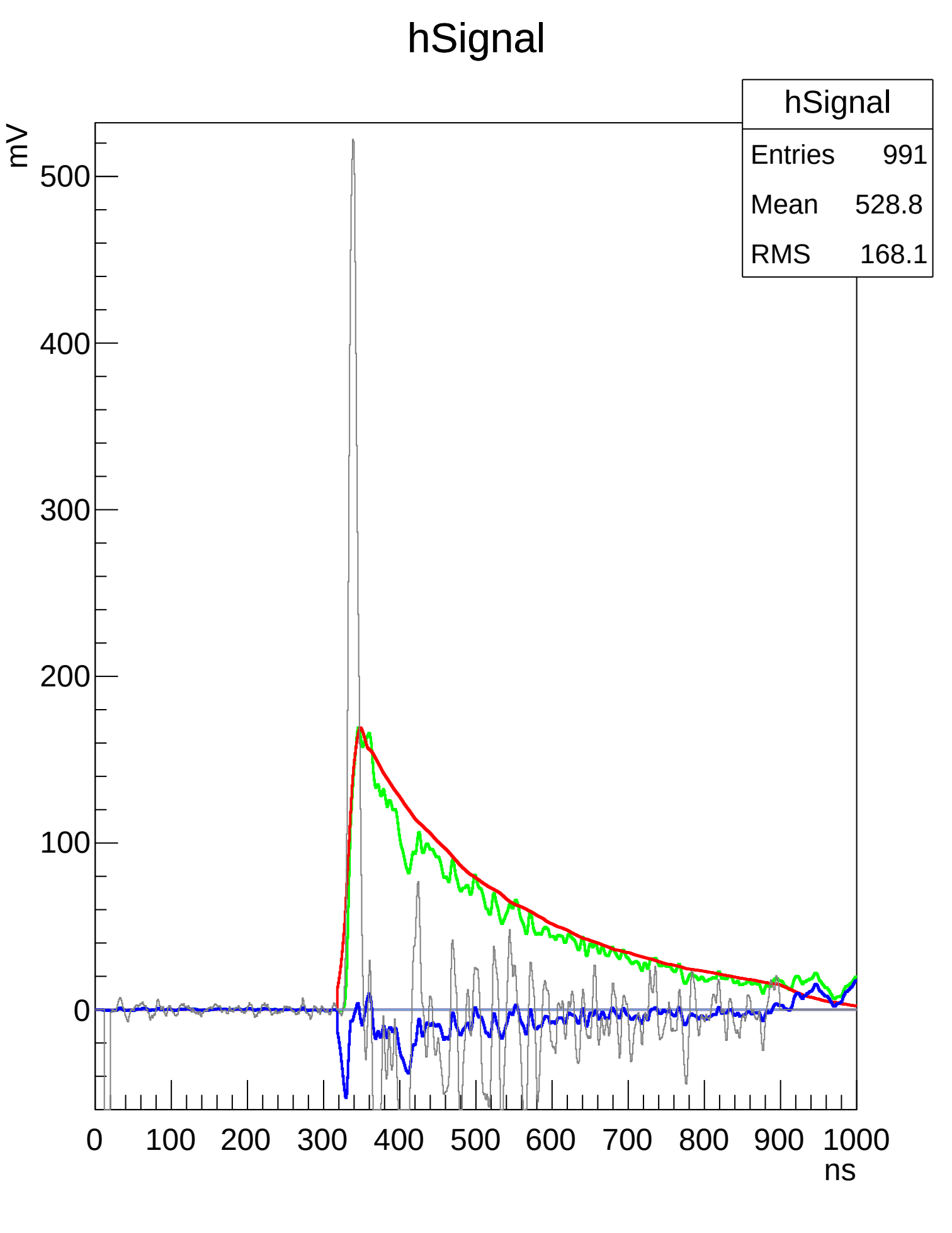
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.8
RMS 168.1
mV
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400
300
200
100
0
0
100
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400
500
600
700
800
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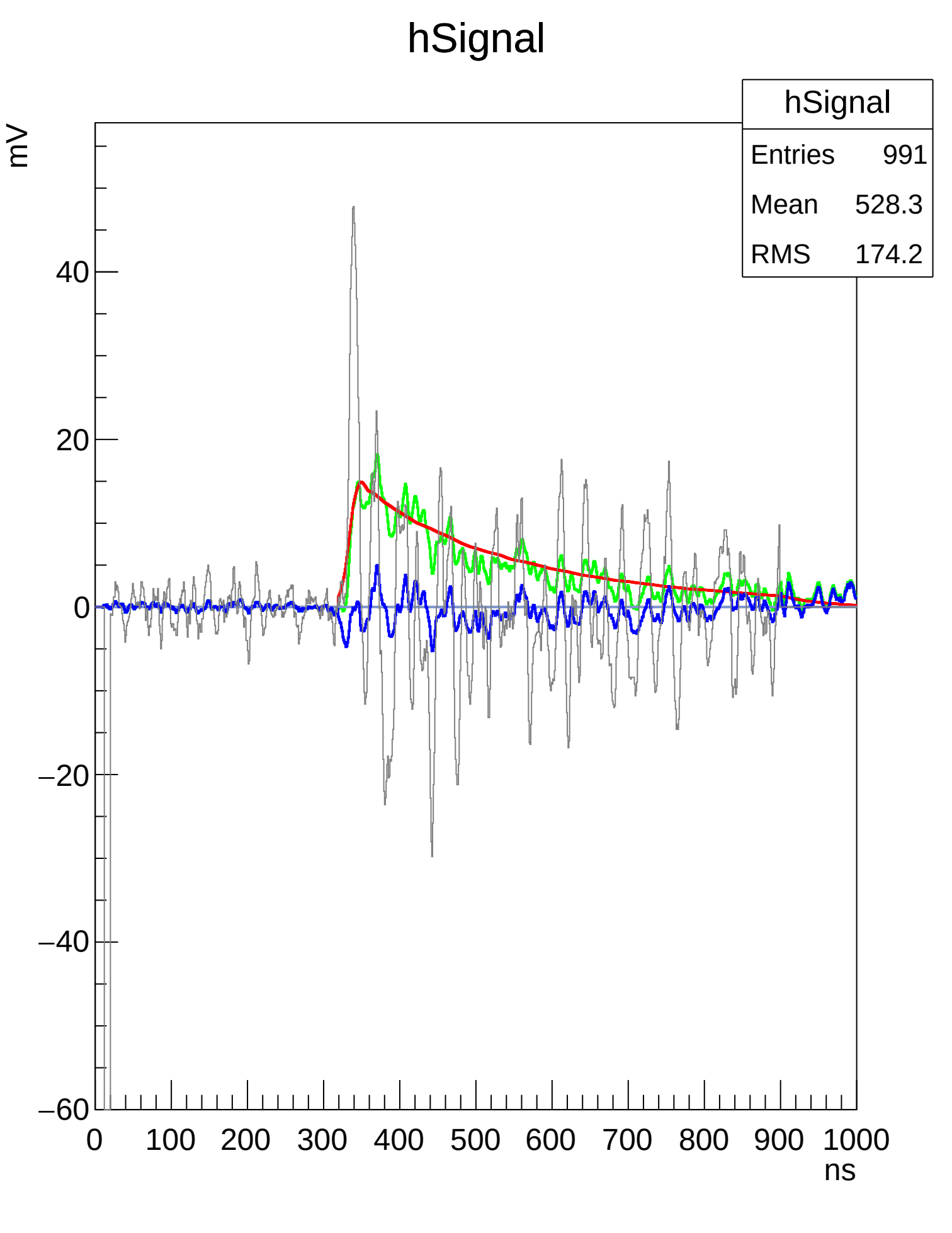
1000
ns


hSignal
hSignal
Entries 991
Mean 528.3
RMS 174.2
mV
40
20
0
−20
−40
−60
0
100
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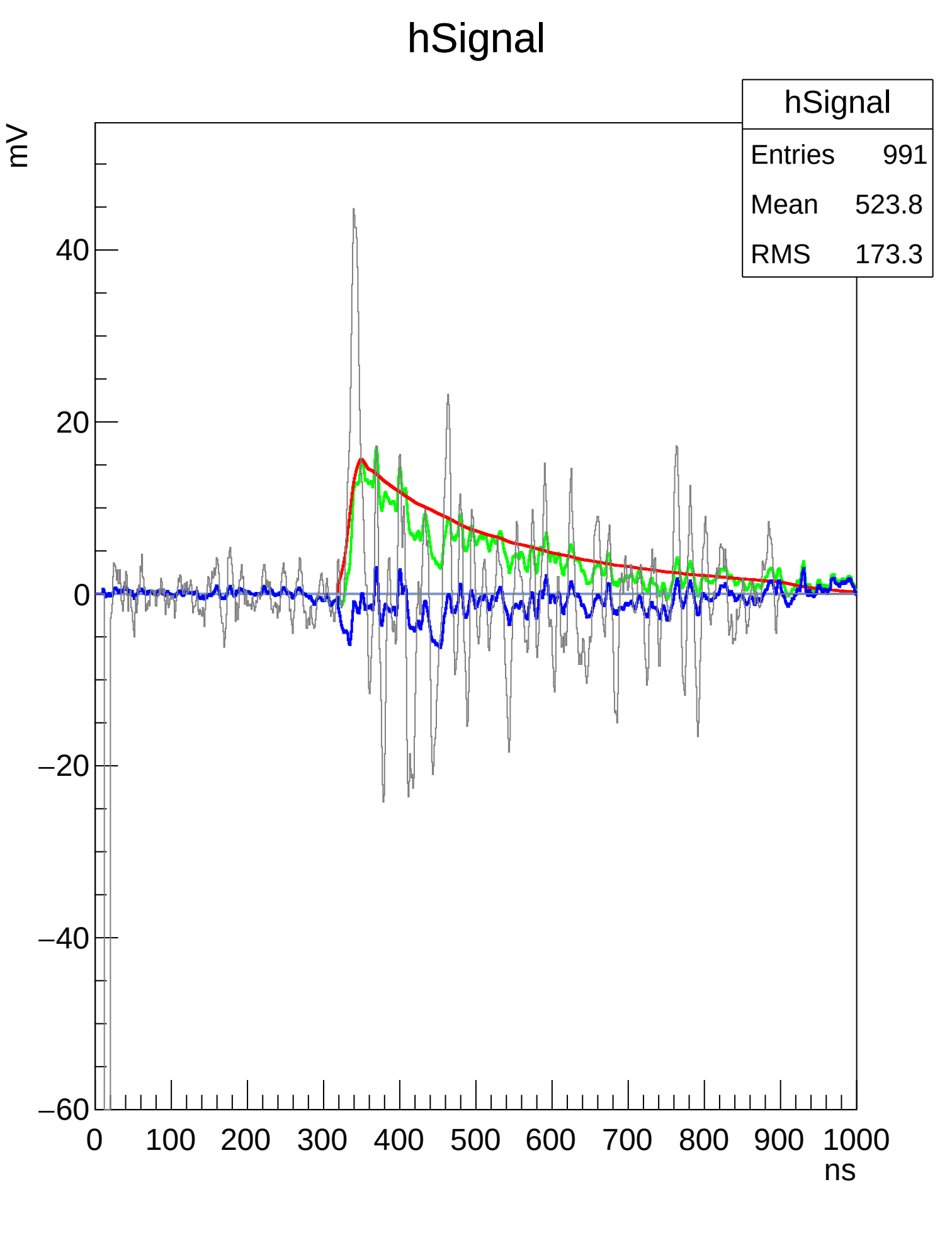
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.8
RMS 173.3
mV
40
20
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−20
−40
−60
0
100
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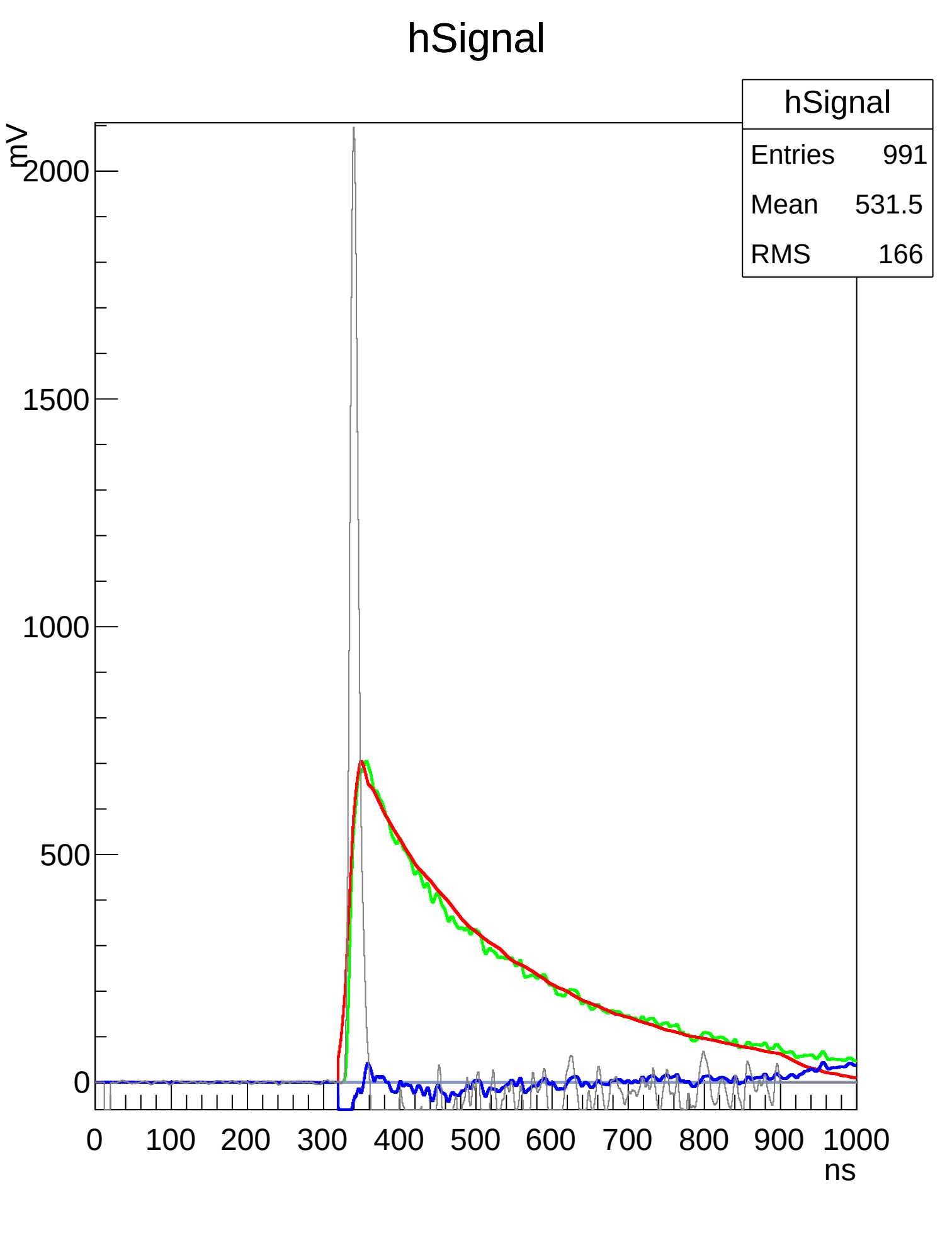
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.5
RMS 166
mV
2000
1500
1000
500
0
0
100
200
300
400
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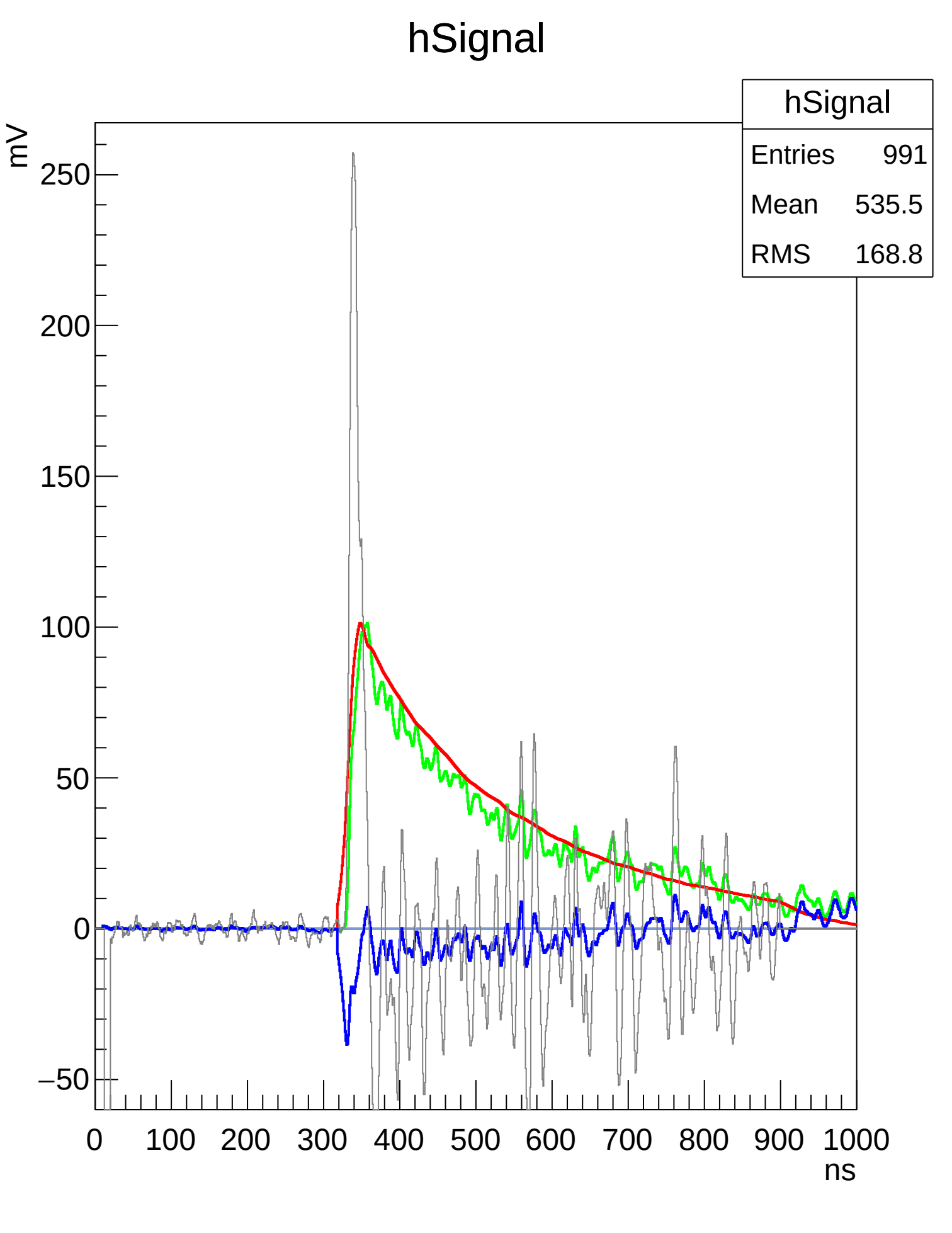
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.5
RMS 168.8
mV
250
200
150
100
50
0
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0
100
200
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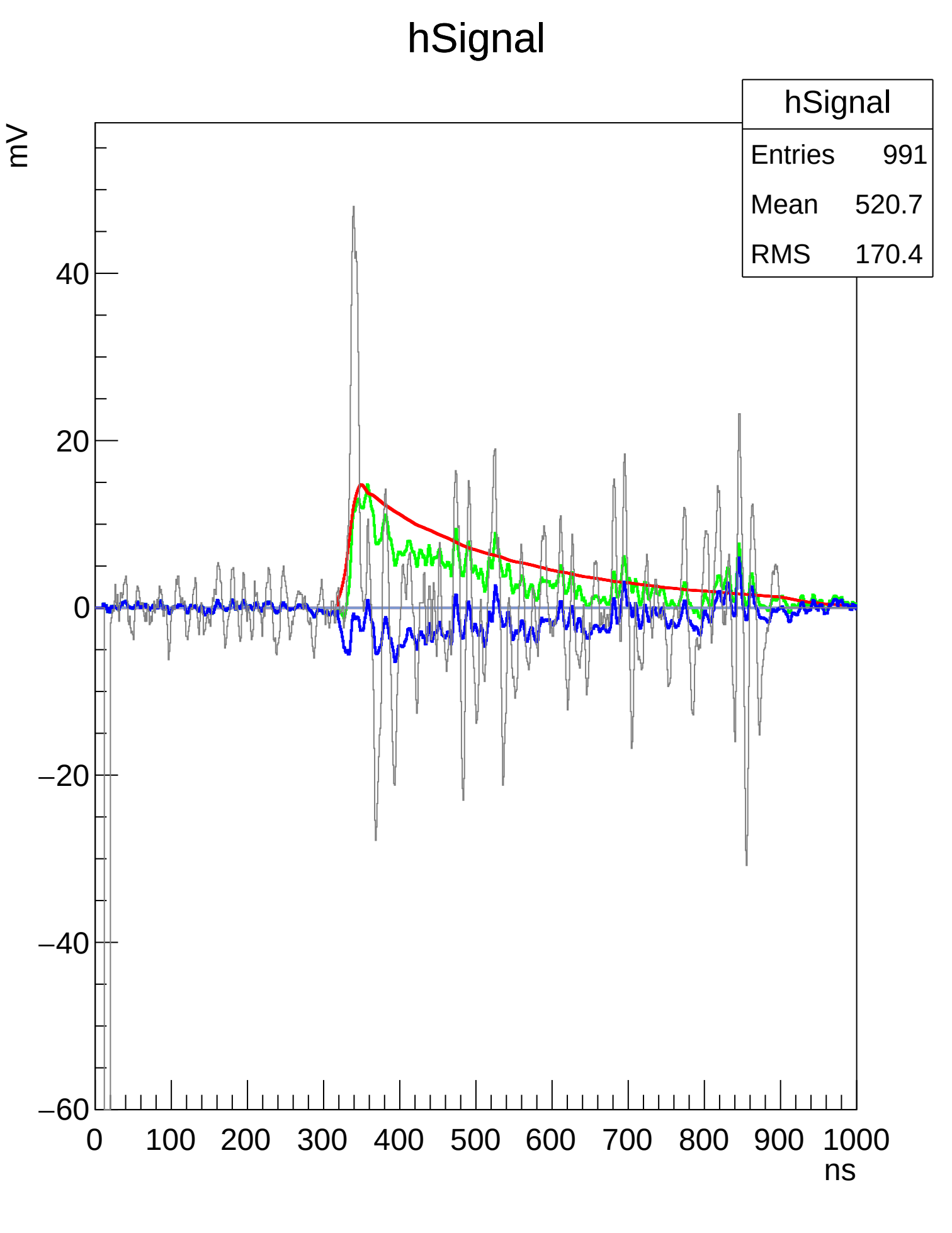
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.7
RMS 170.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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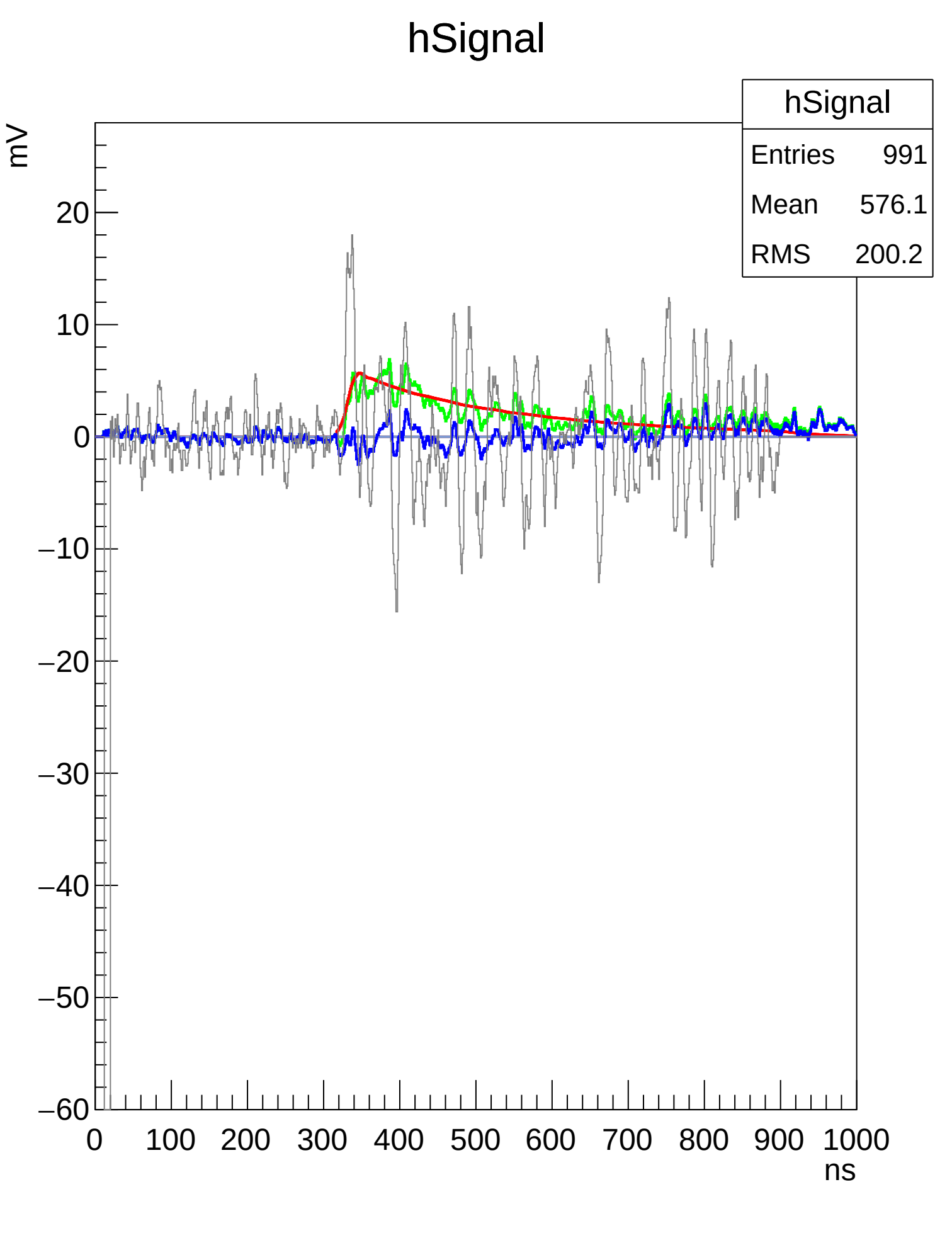
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.1
RMS 200.2
mV
20
10
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−10
−20
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−40
−50
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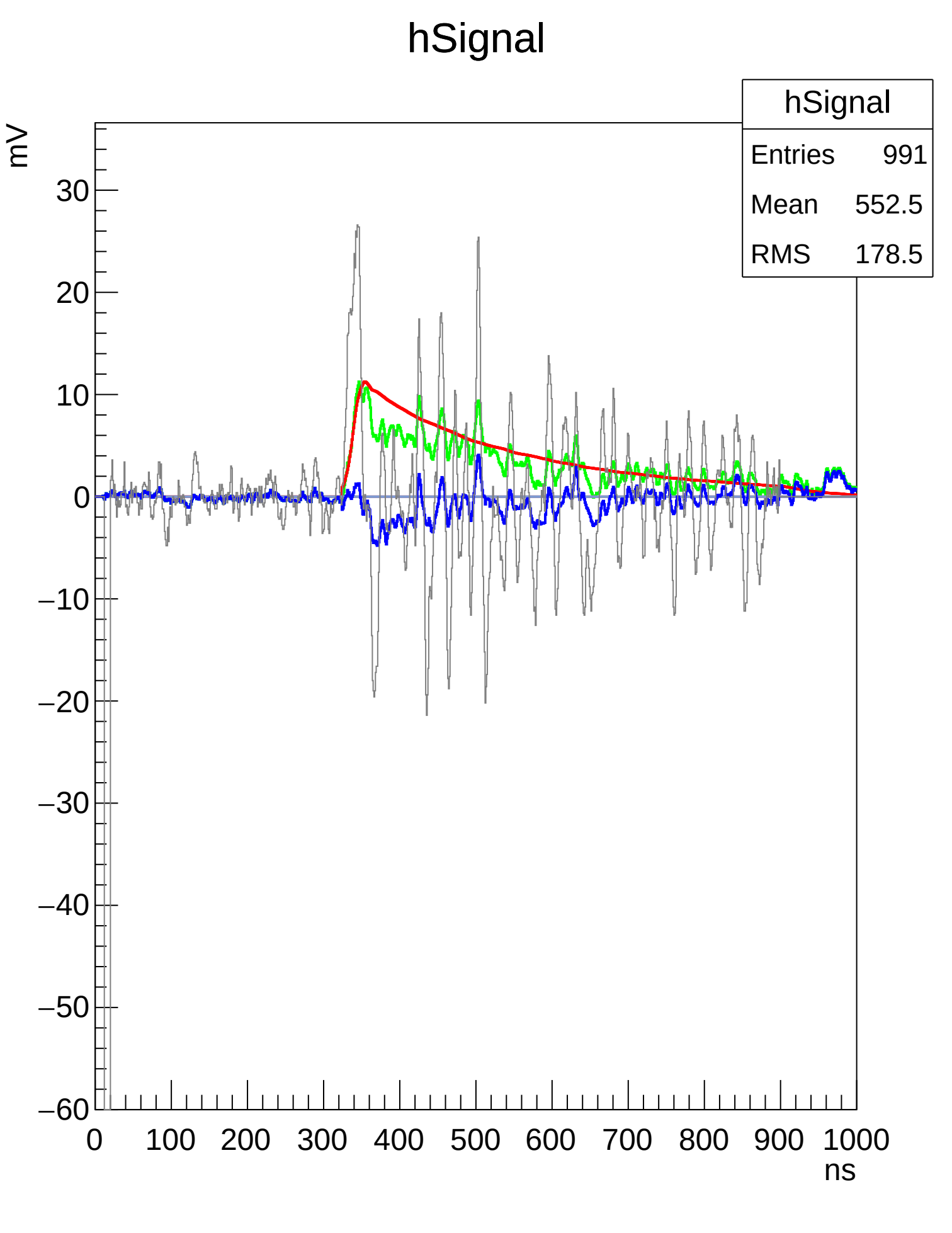
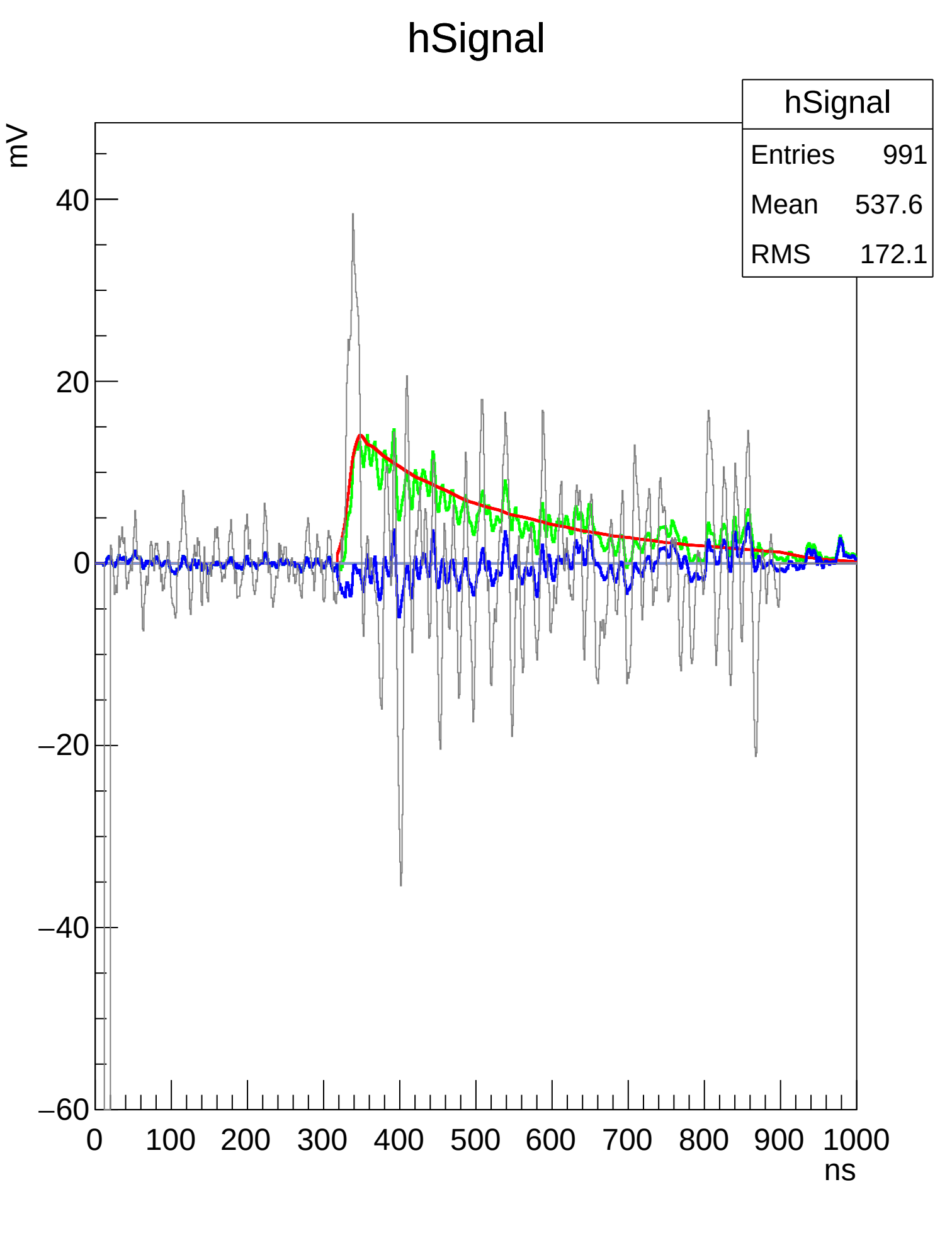
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.5
RMS 178.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.6
RMS 172.1
mV
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0
−20
−40
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0
100
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400
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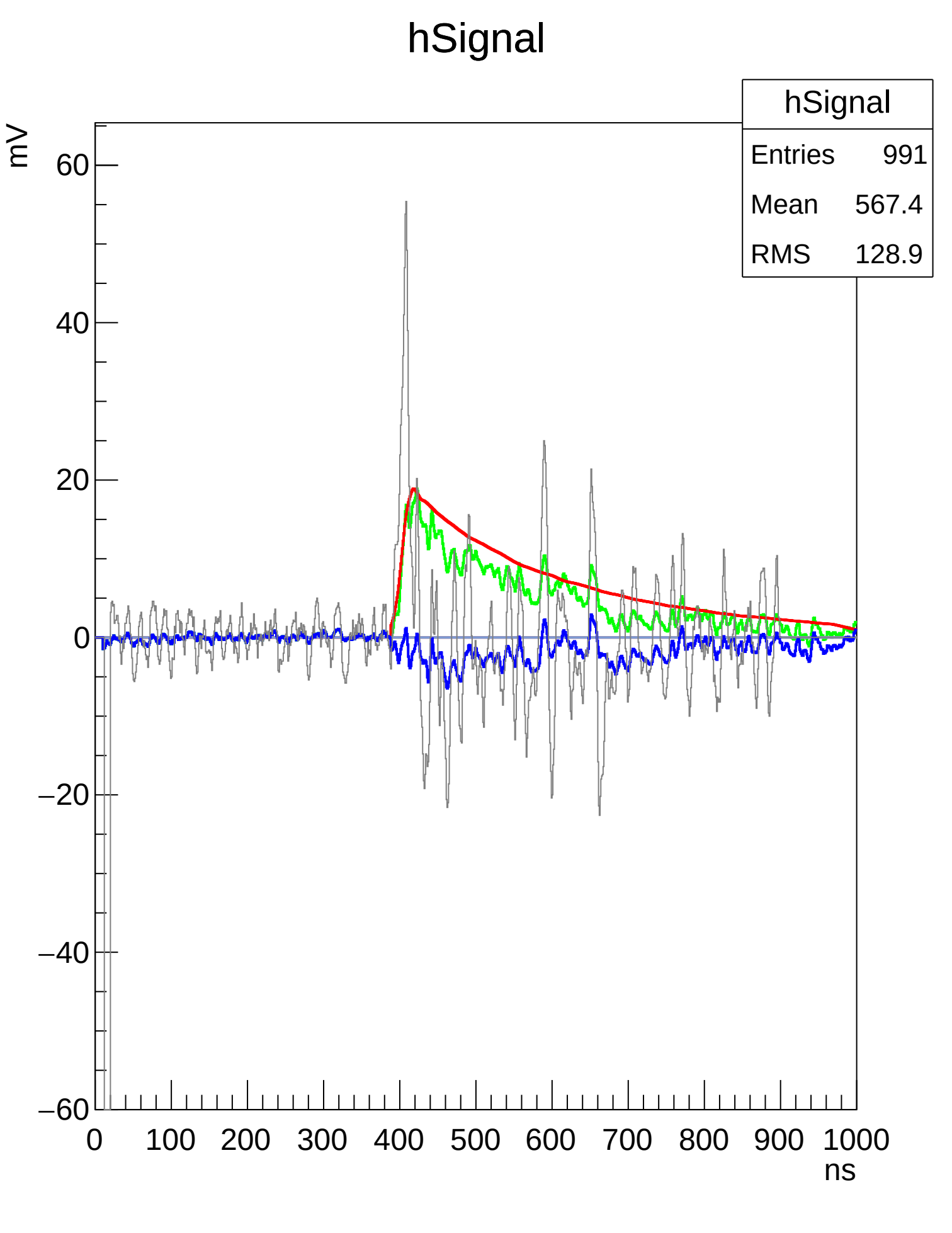
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.4
RMS 128.9
mV
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−20
−40
−60
0
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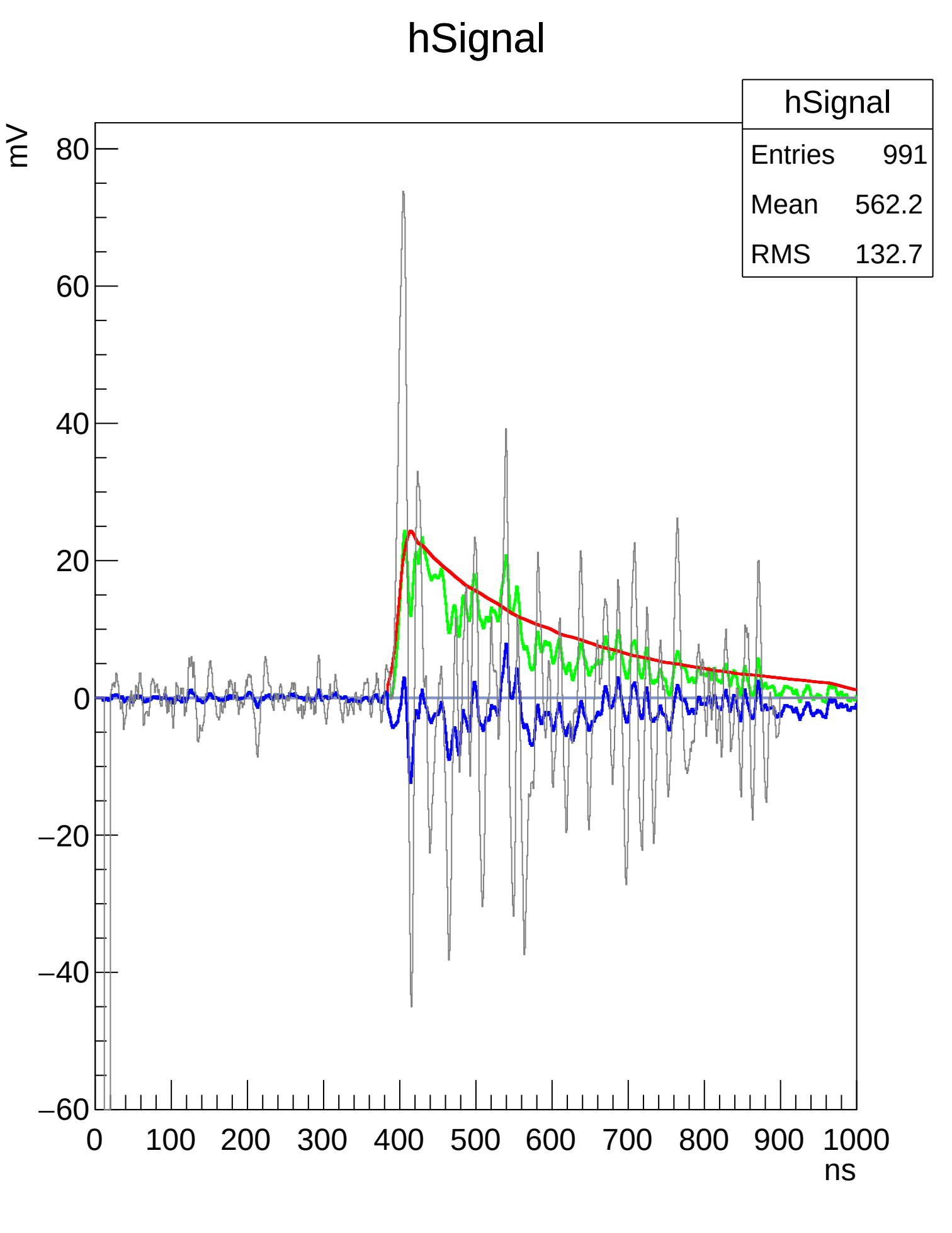
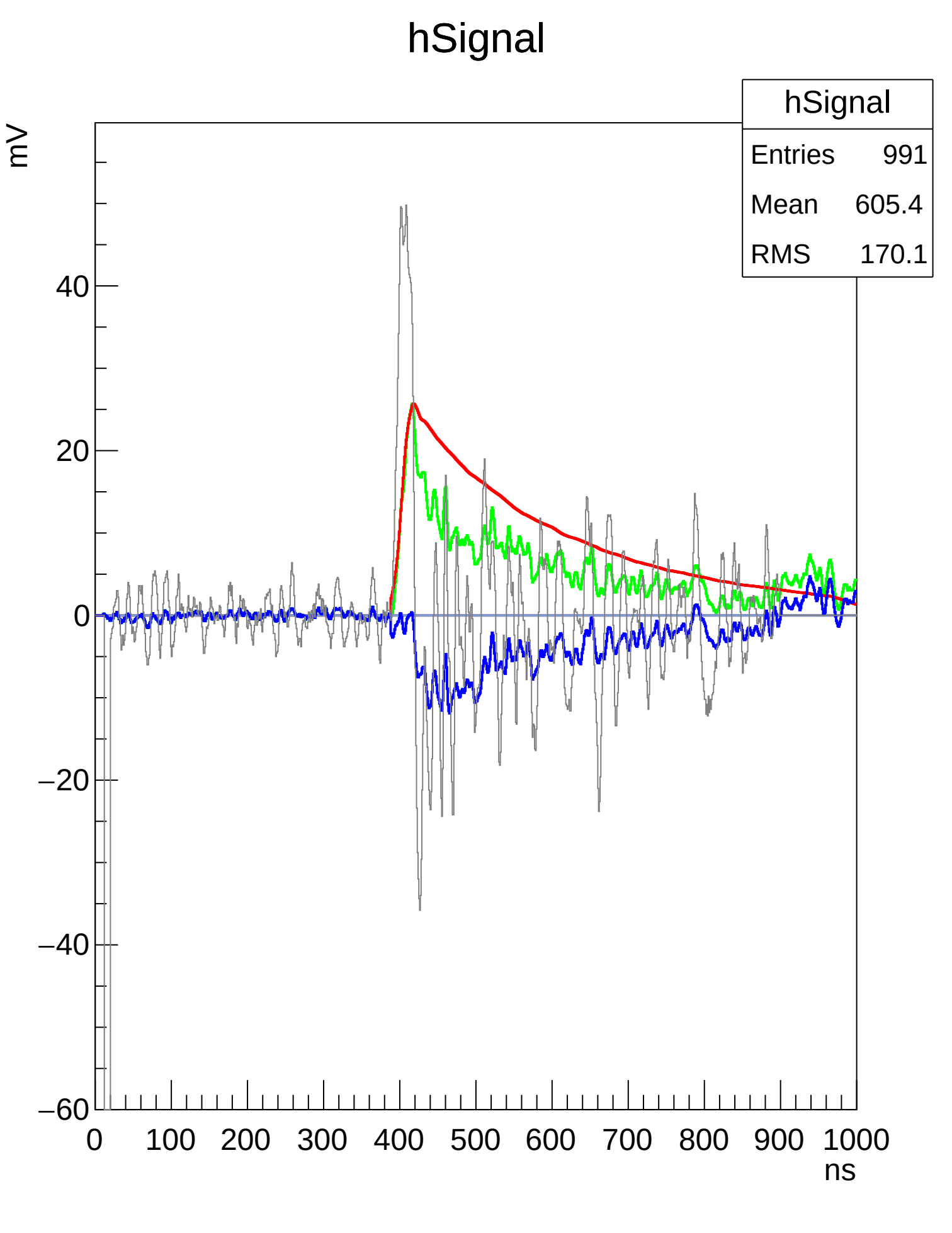
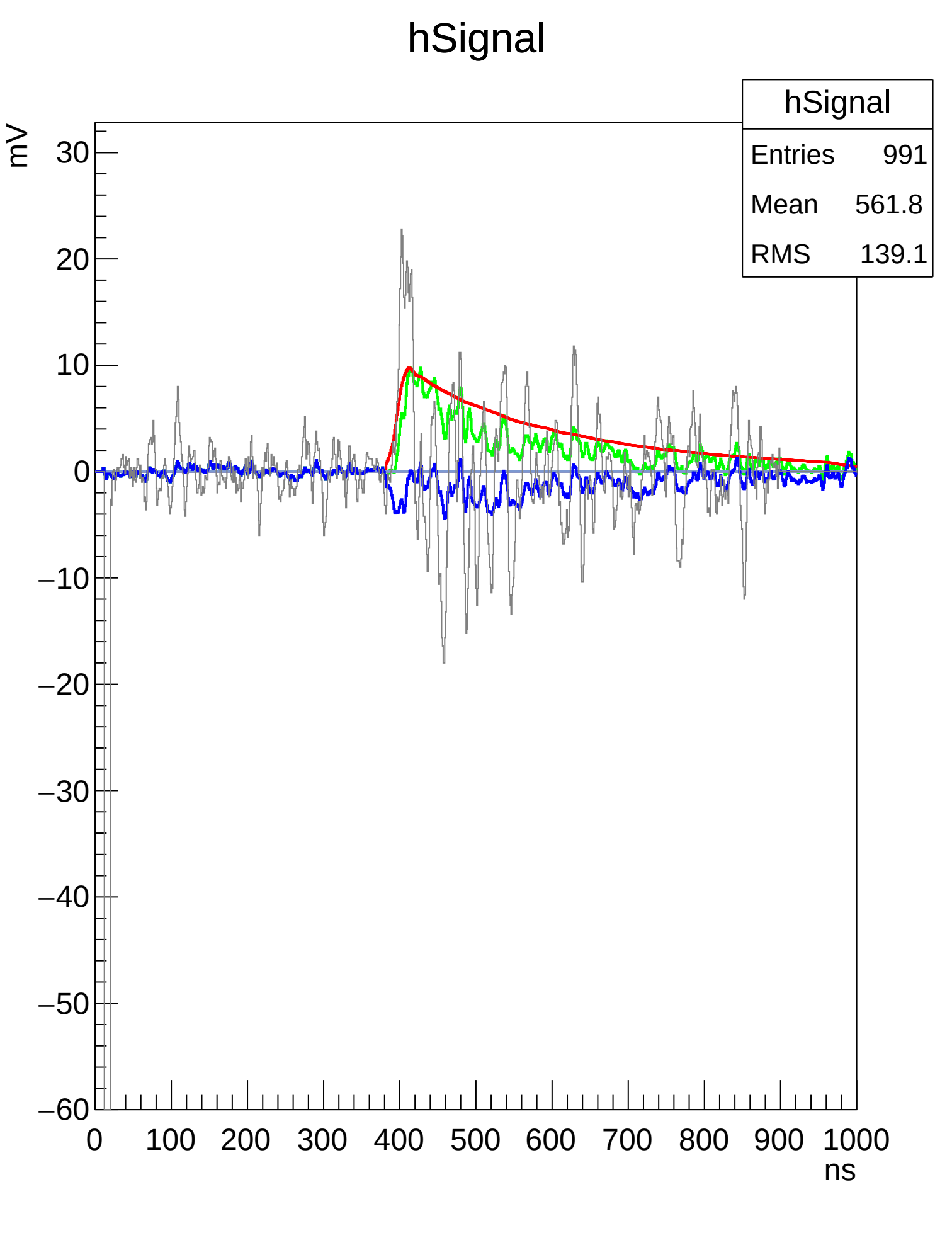
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.2
RMS 132.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.4
RMS 170.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.8
RMS 139.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
500
600
700
800
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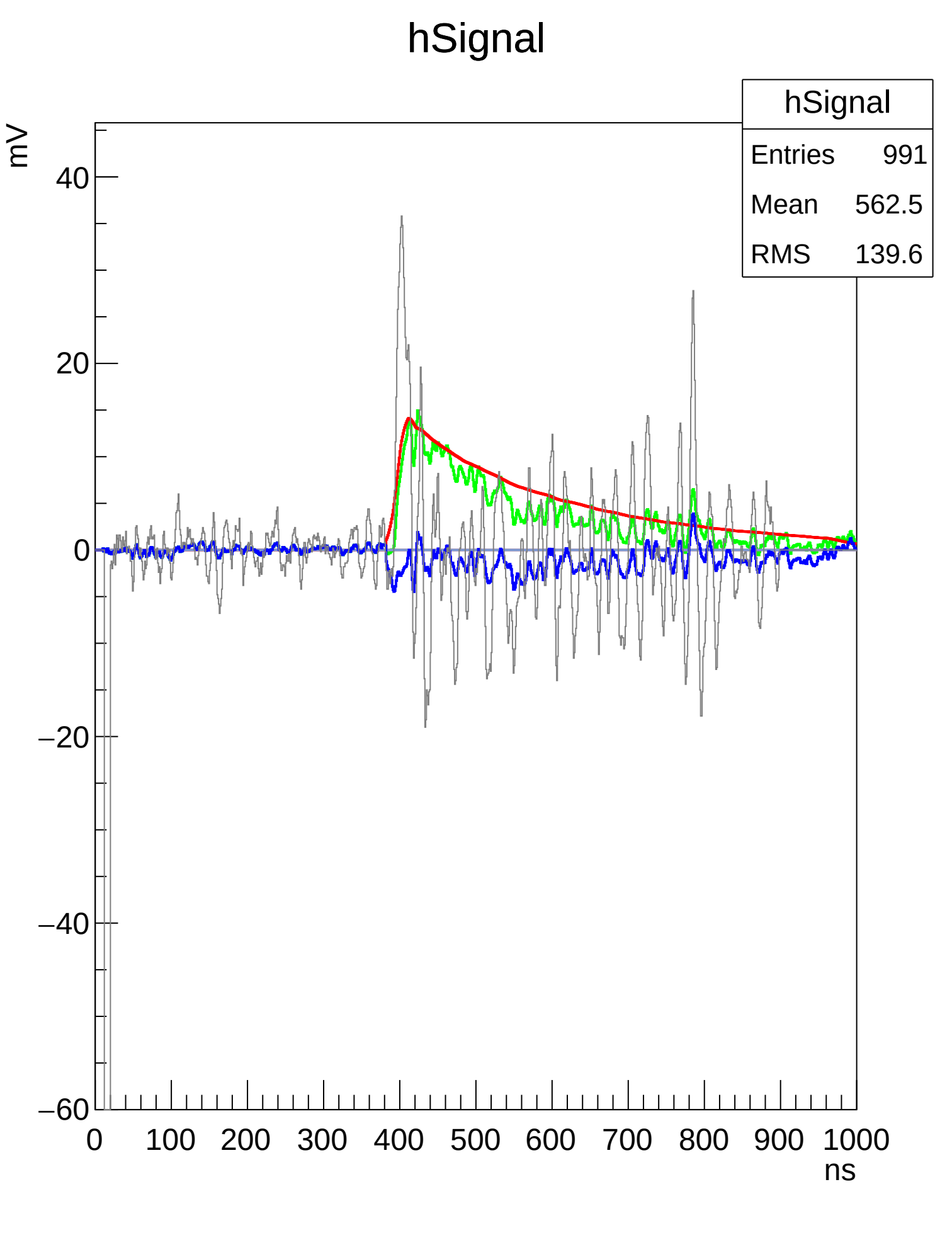
1000
ns


hSignal
hSignal
Entries 991
Mean 562.5
RMS 139.6
mV
40
20
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−20
−40
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0
100
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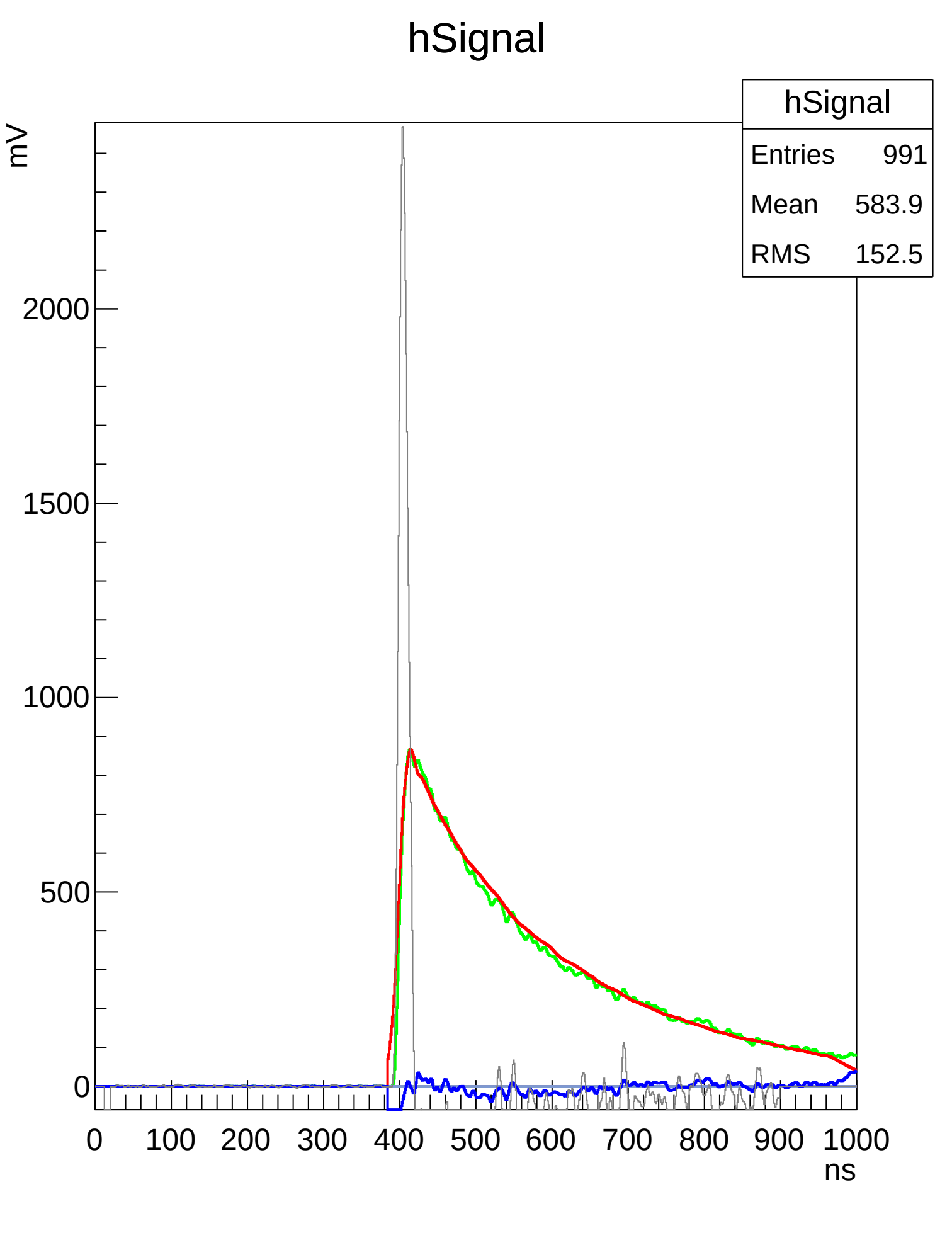
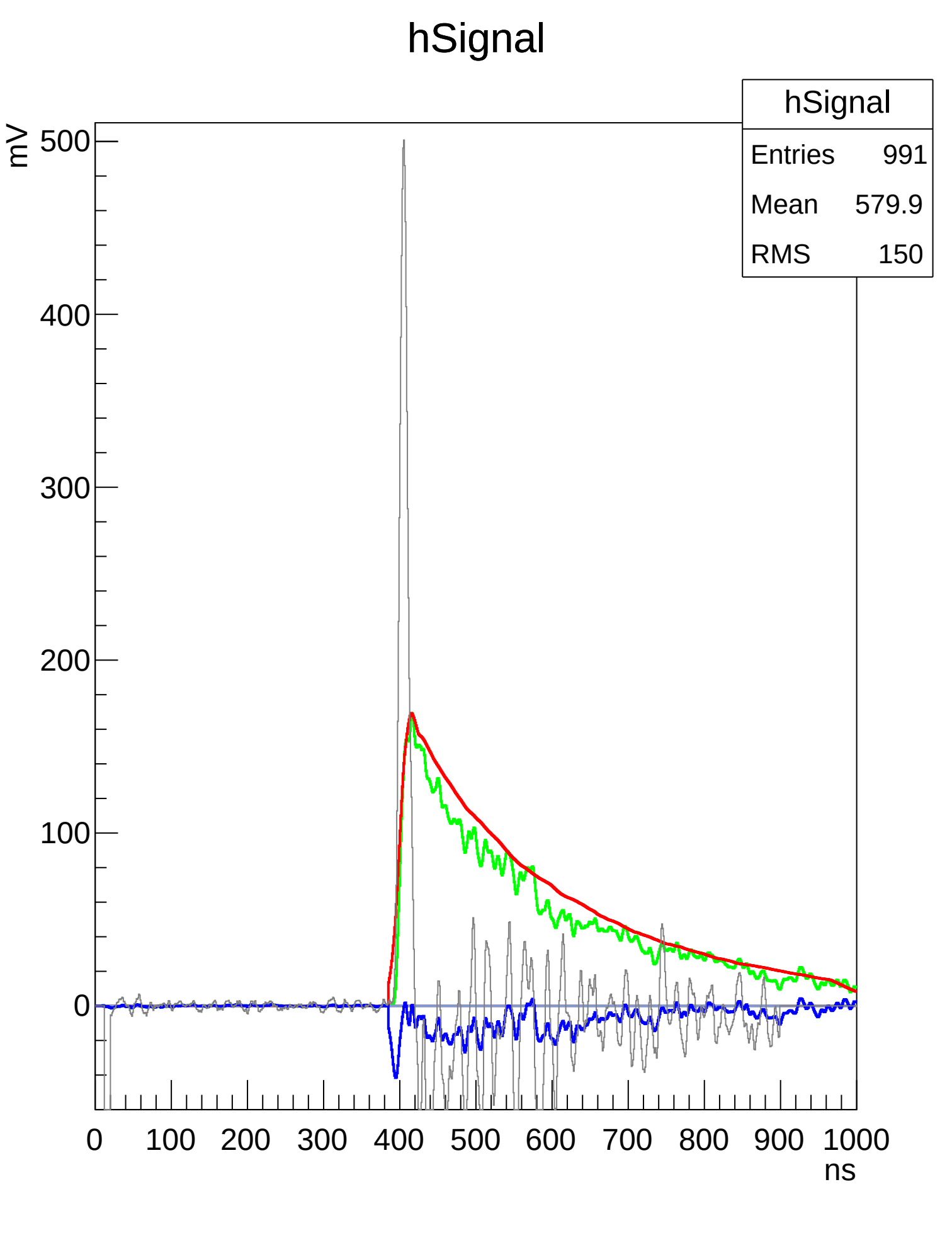
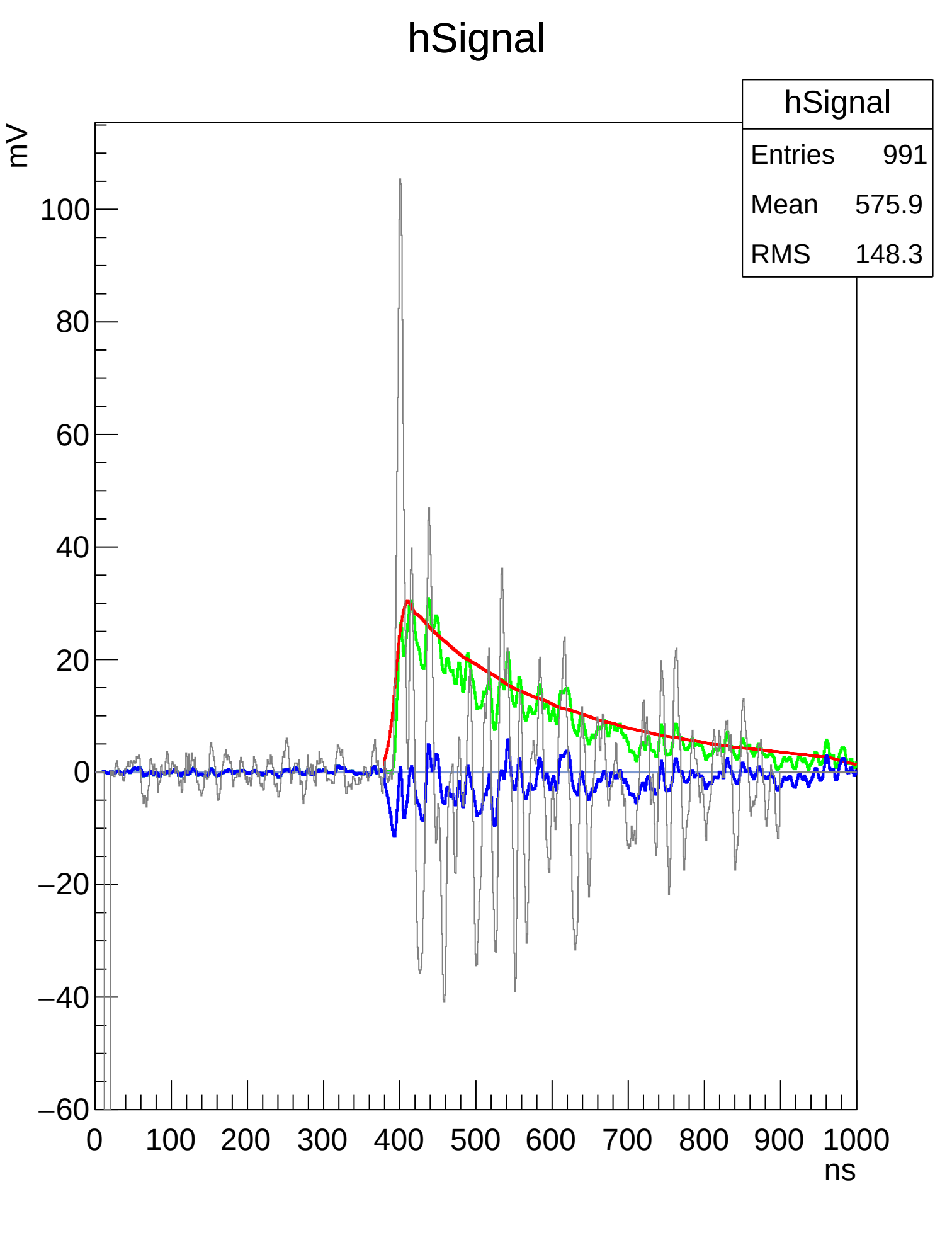
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.9
RMS 152.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 579.9
RMS 150
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 148.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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700
800
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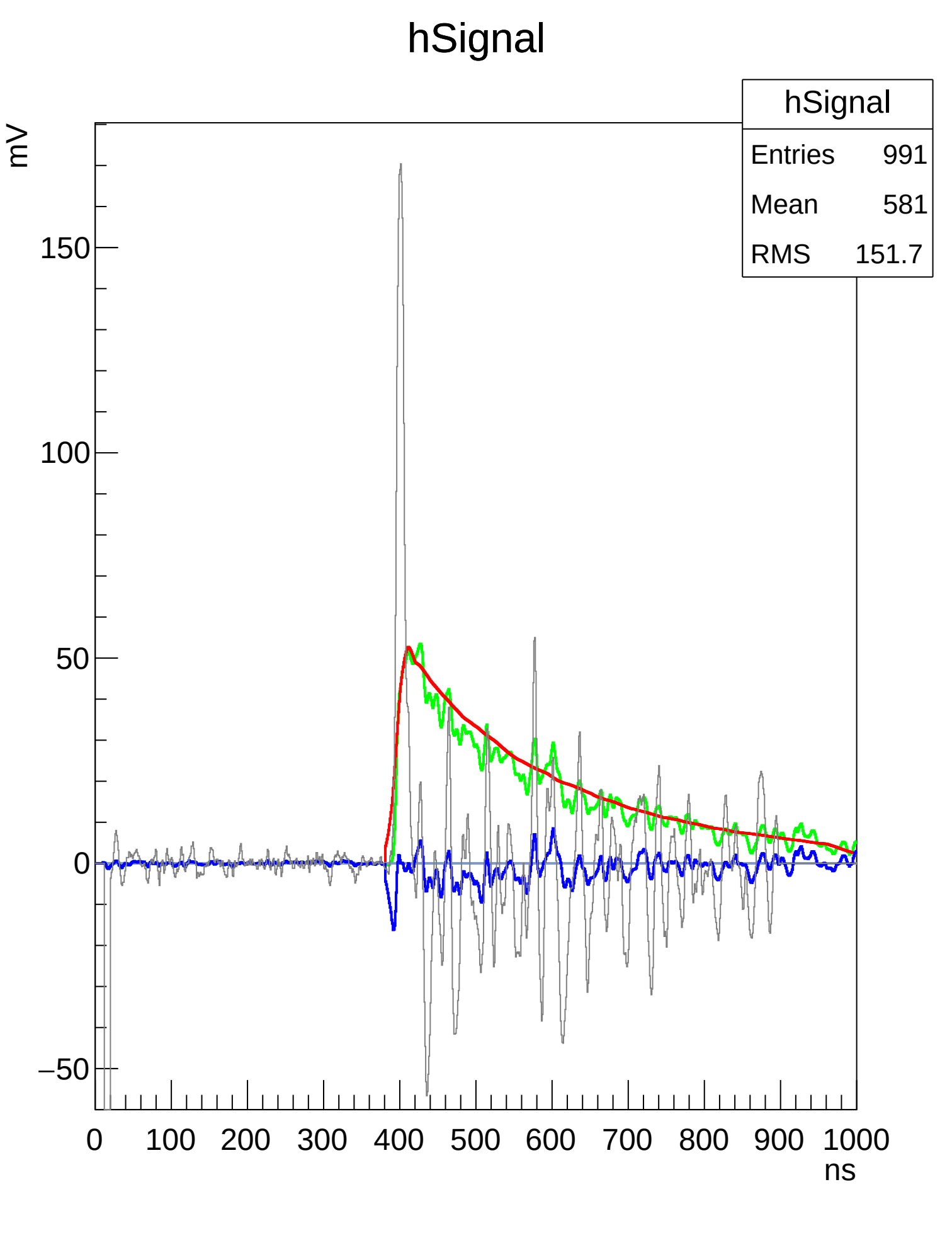
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 151.7
mV
150
100
50
0
−50
0
100
200
300
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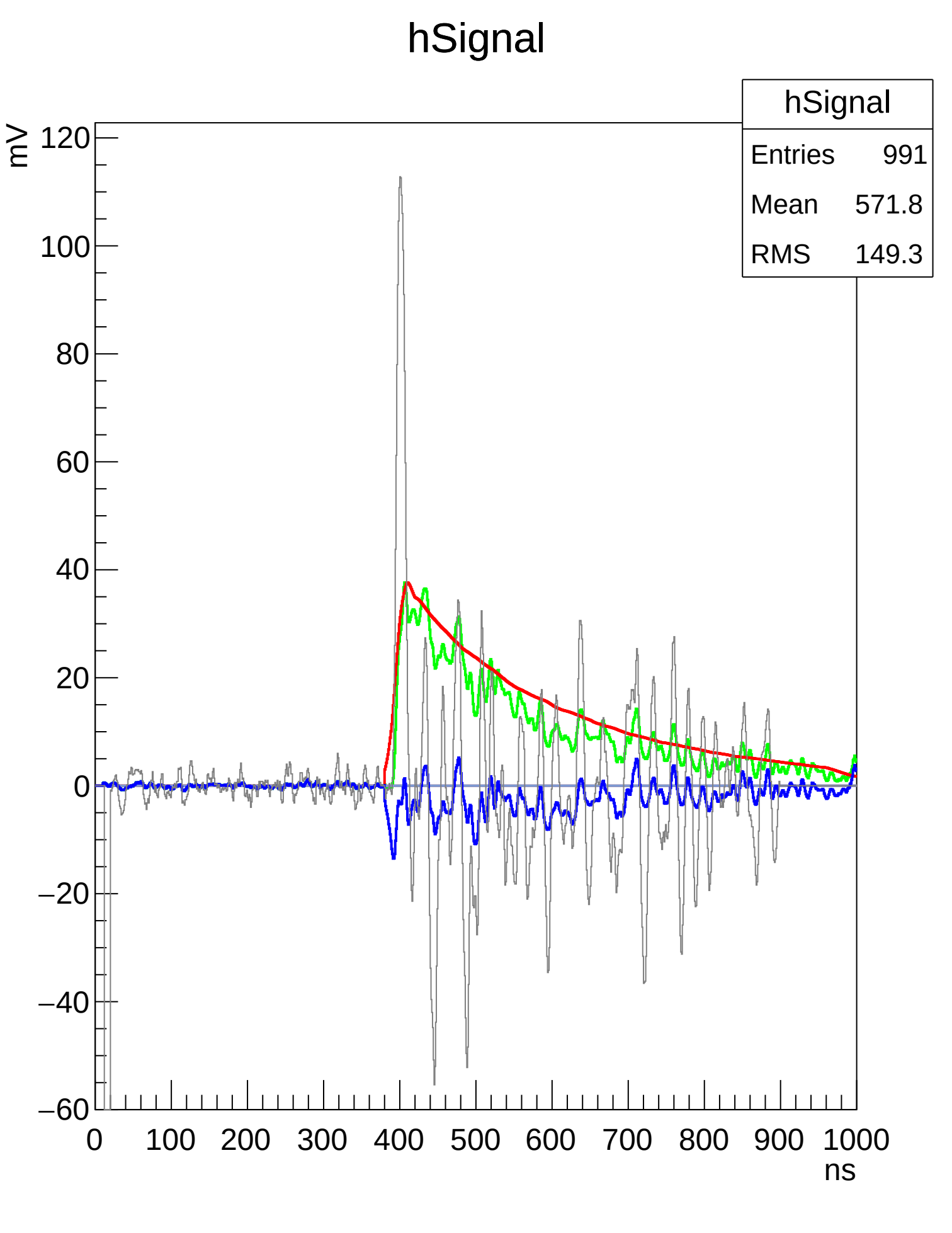
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.8
RMS 149.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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800
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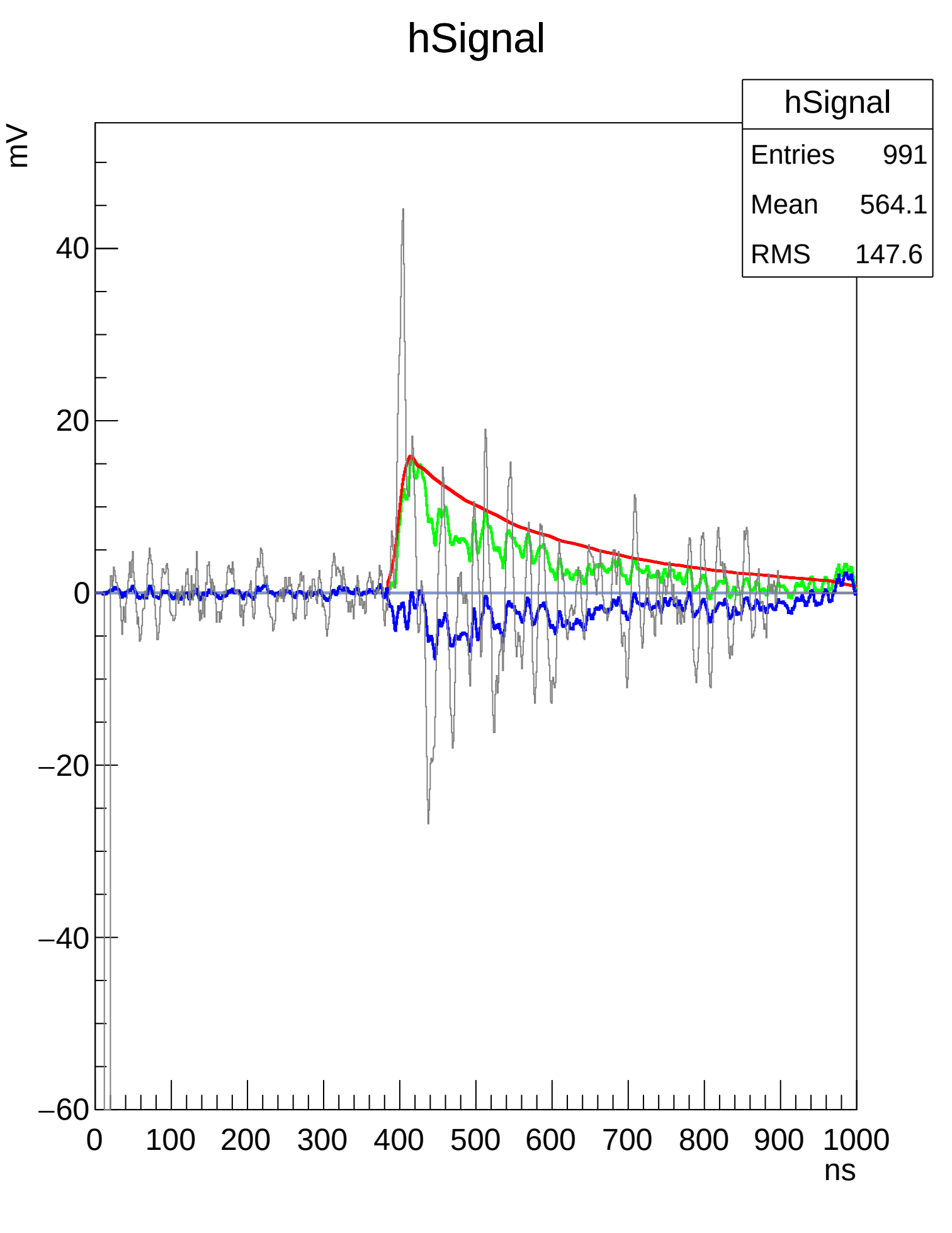
1000
ns


hSignal
hSignal
Entries 991
Mean 564.1
RMS 147.6
mV
40
20
0
−20
−40
−60
0
100
200
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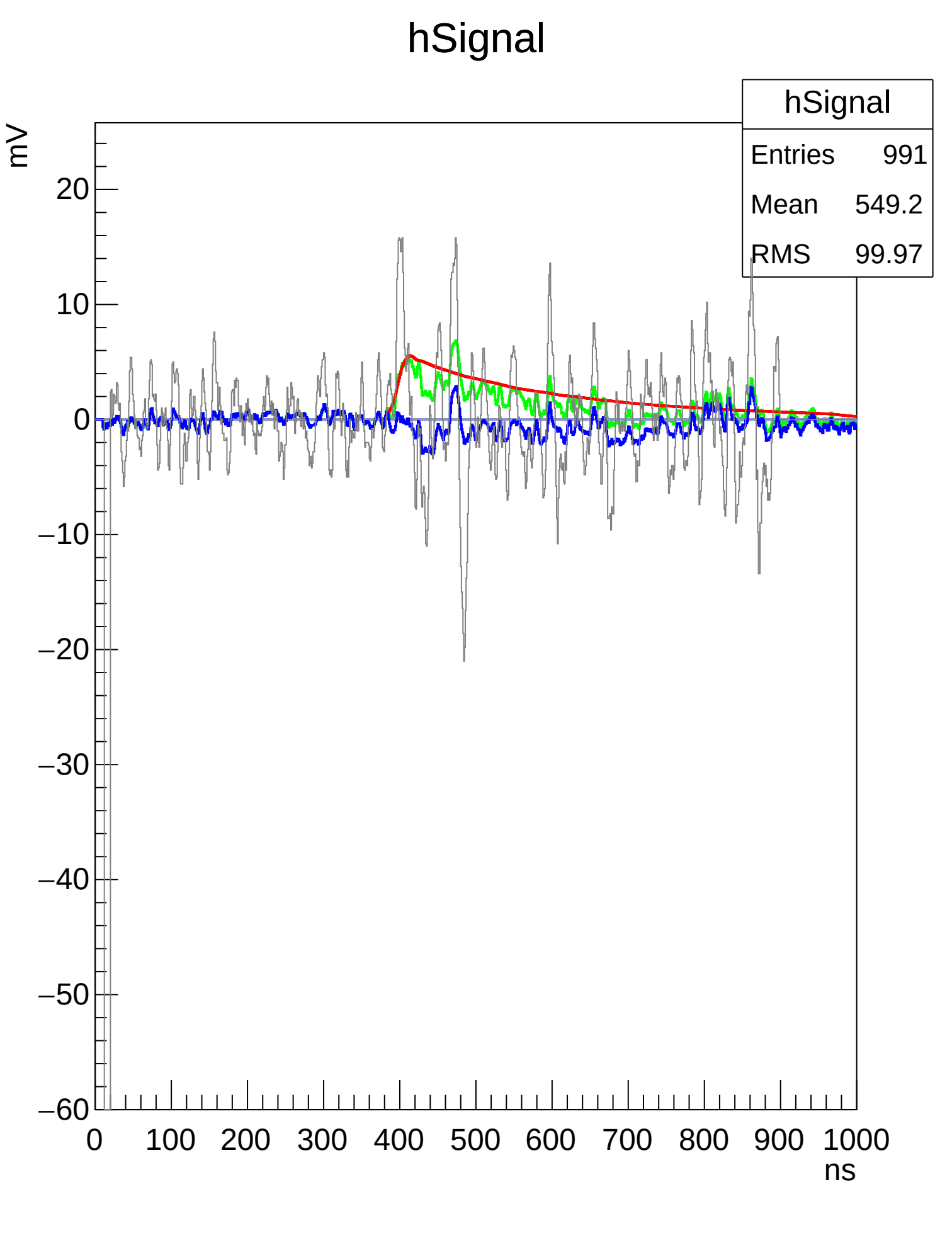
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.2
RMS 99.97
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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800
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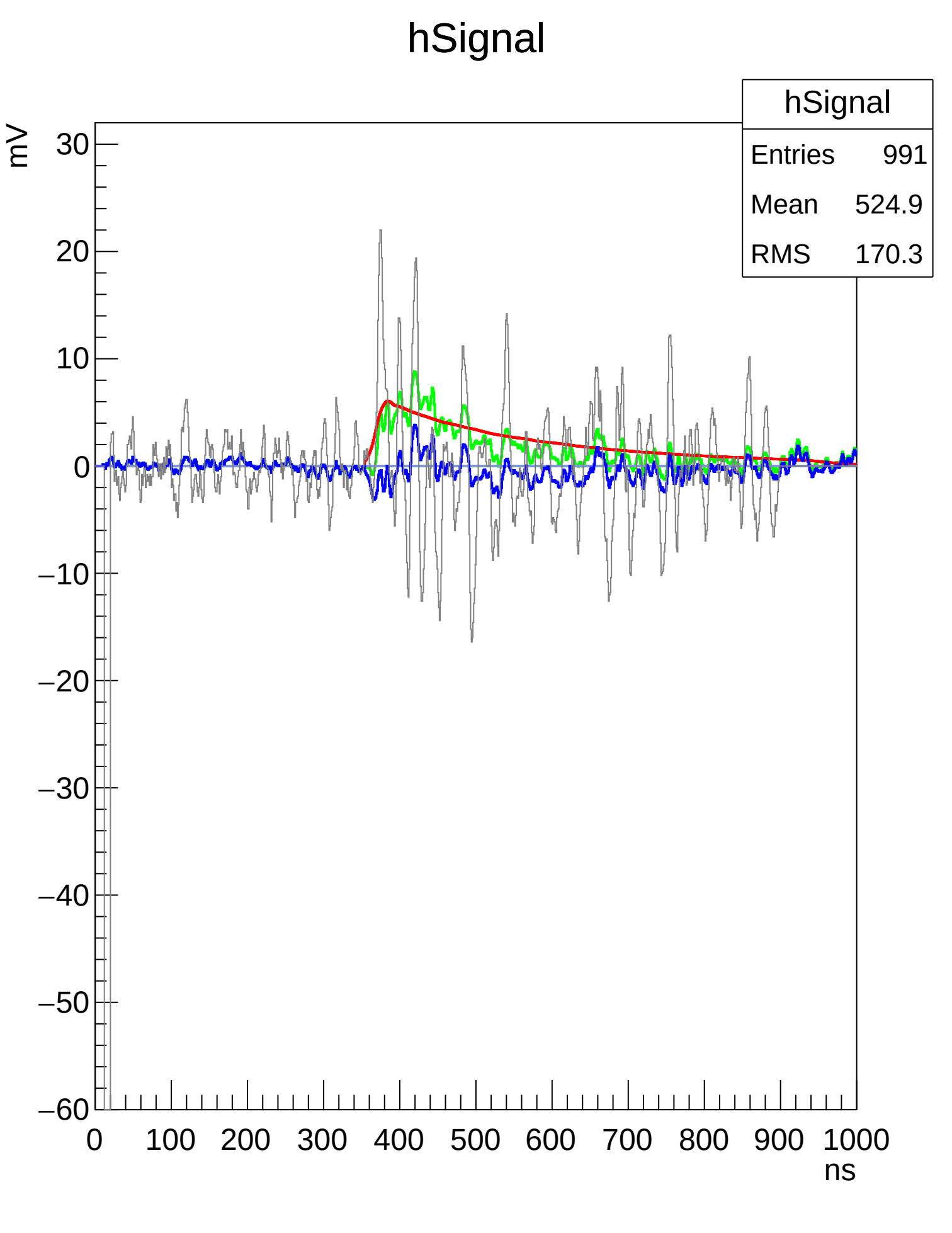
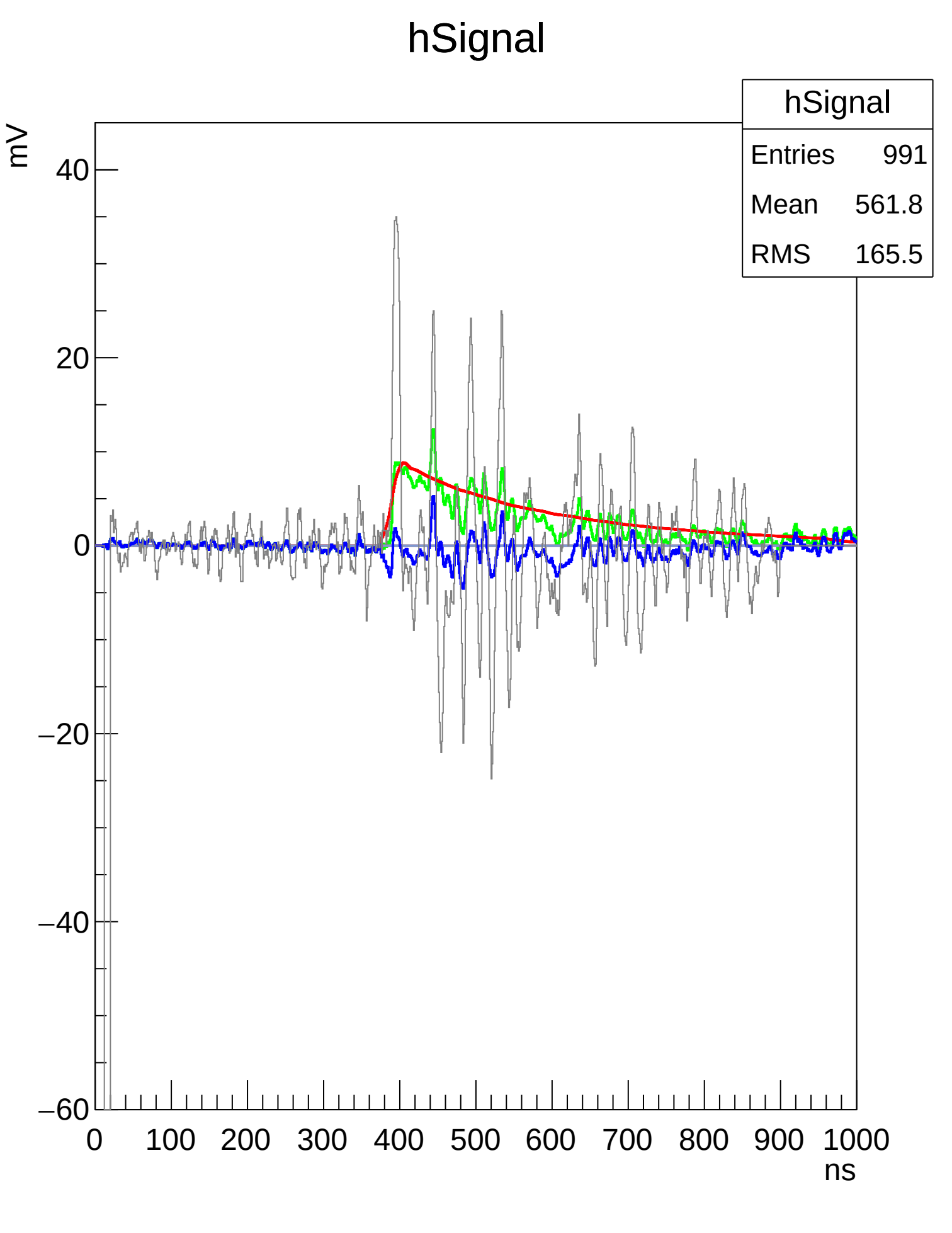
1000
ns


hSignal
hSignal
Entries 991
Mean 524.9
RMS 170.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.8
RMS 165.5
mV
40
20
0
−20
−40
−60
0
100
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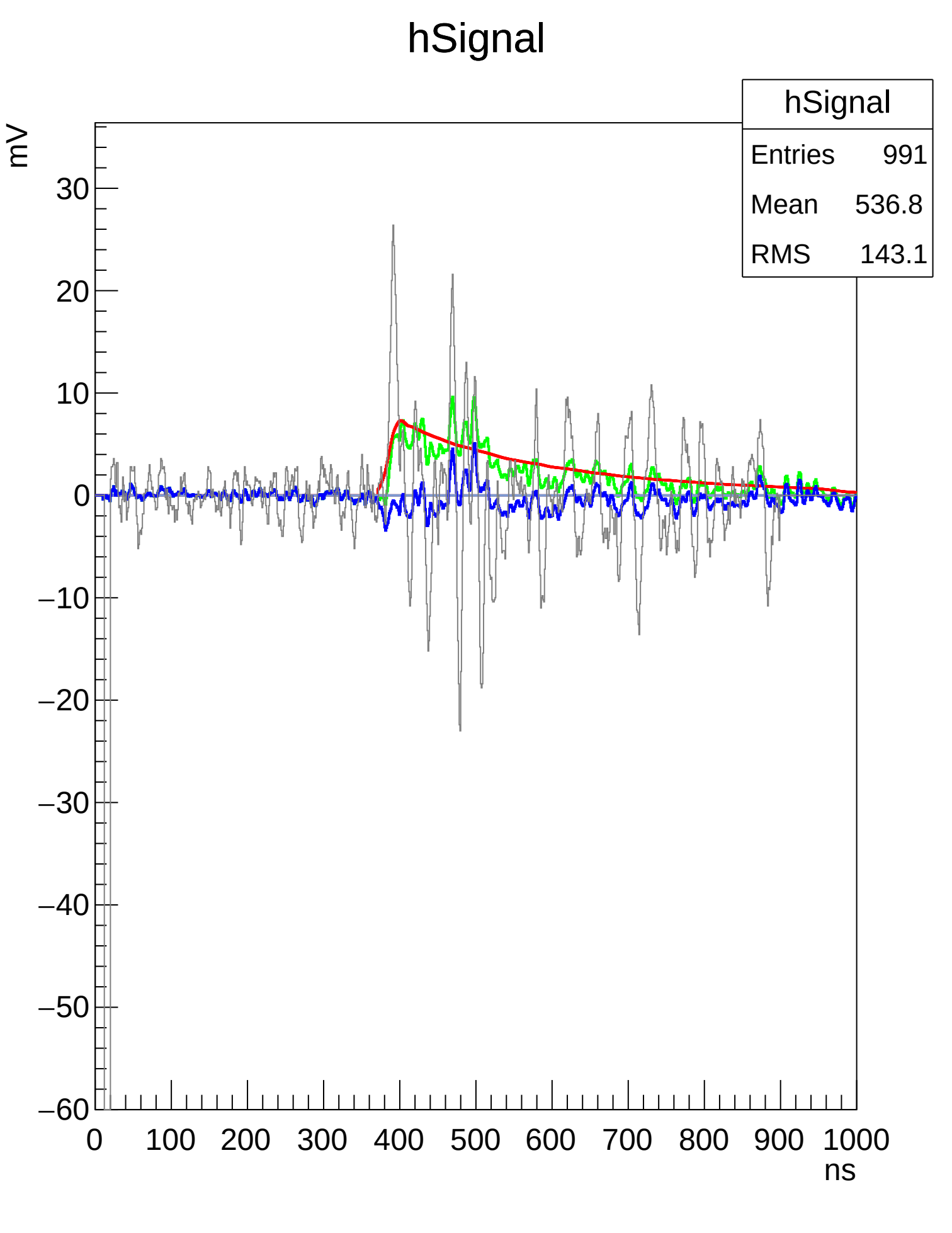
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.8
RMS 143.1
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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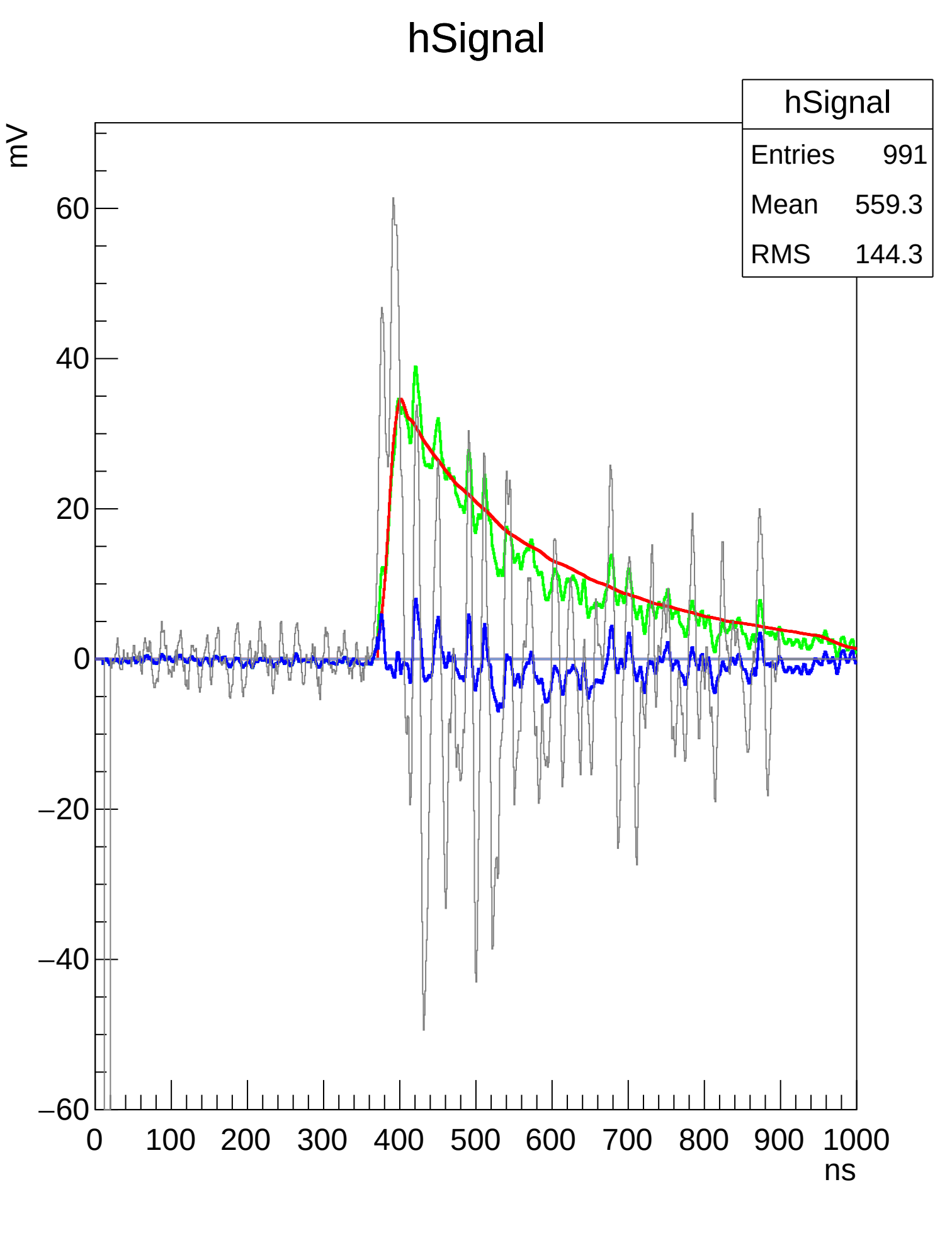
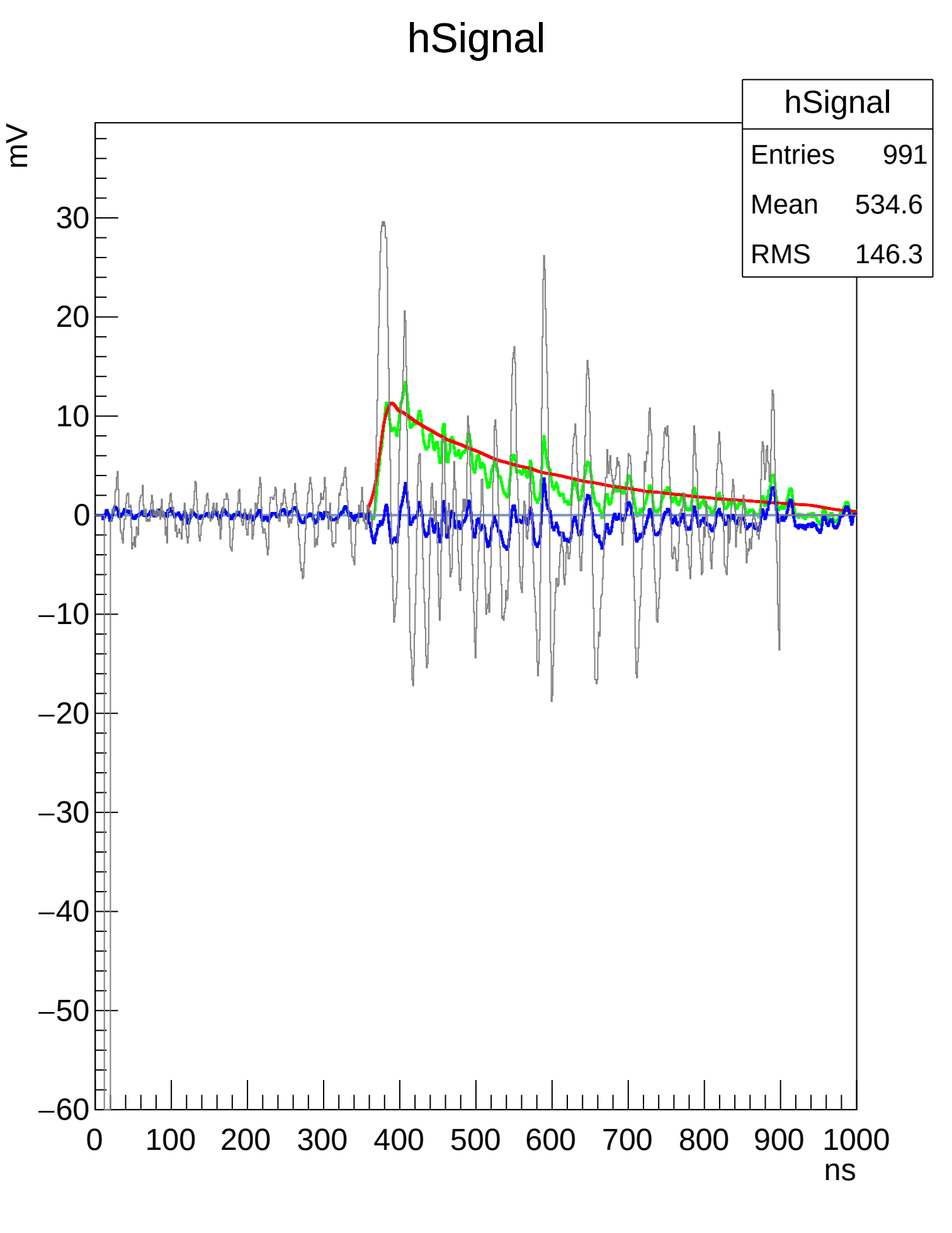
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.3
RMS 144.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.6
RMS 146.3
mV
30
20
10
0
−10
−20
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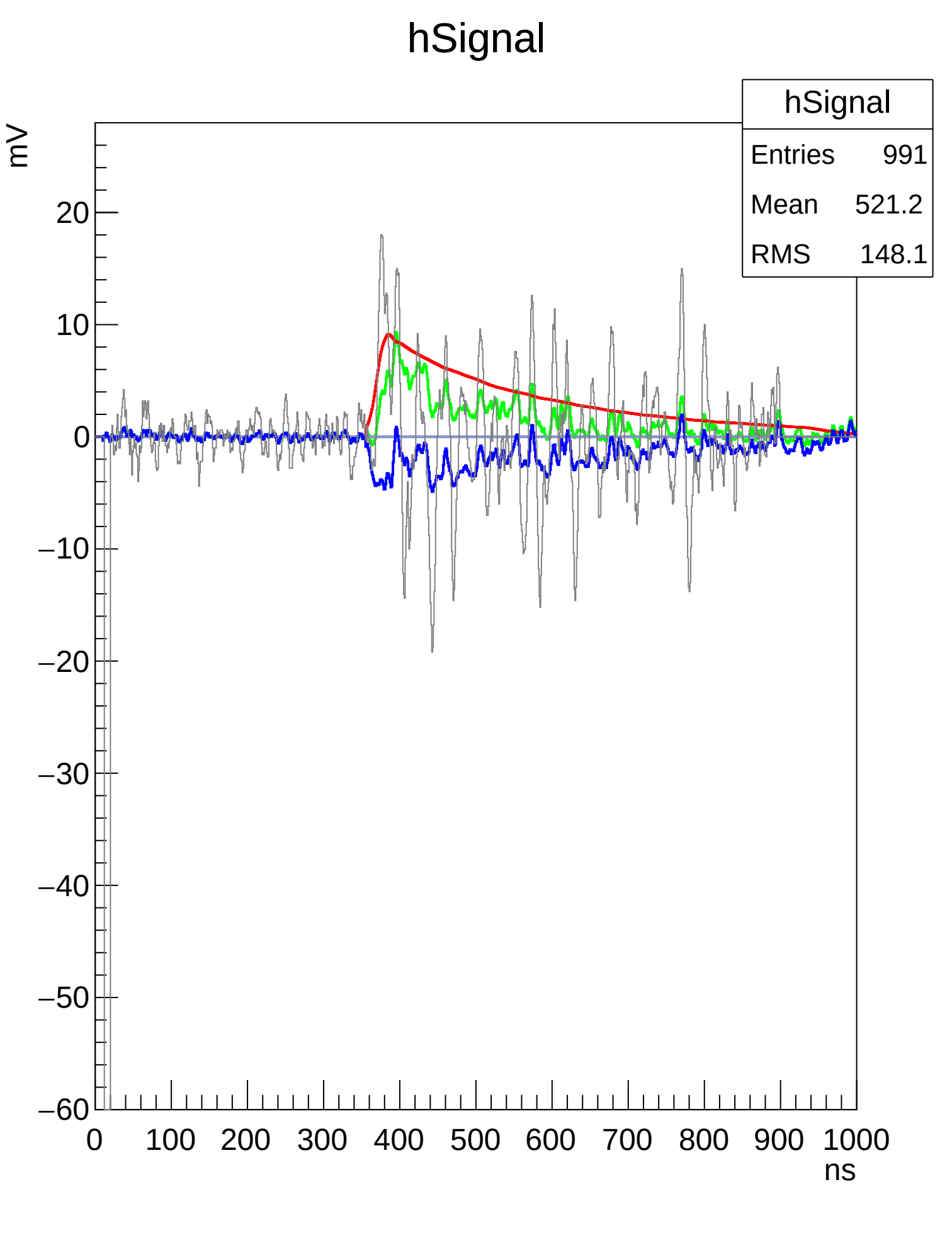
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.2
RMS 148.1
mV
20
10
0
−10
−20
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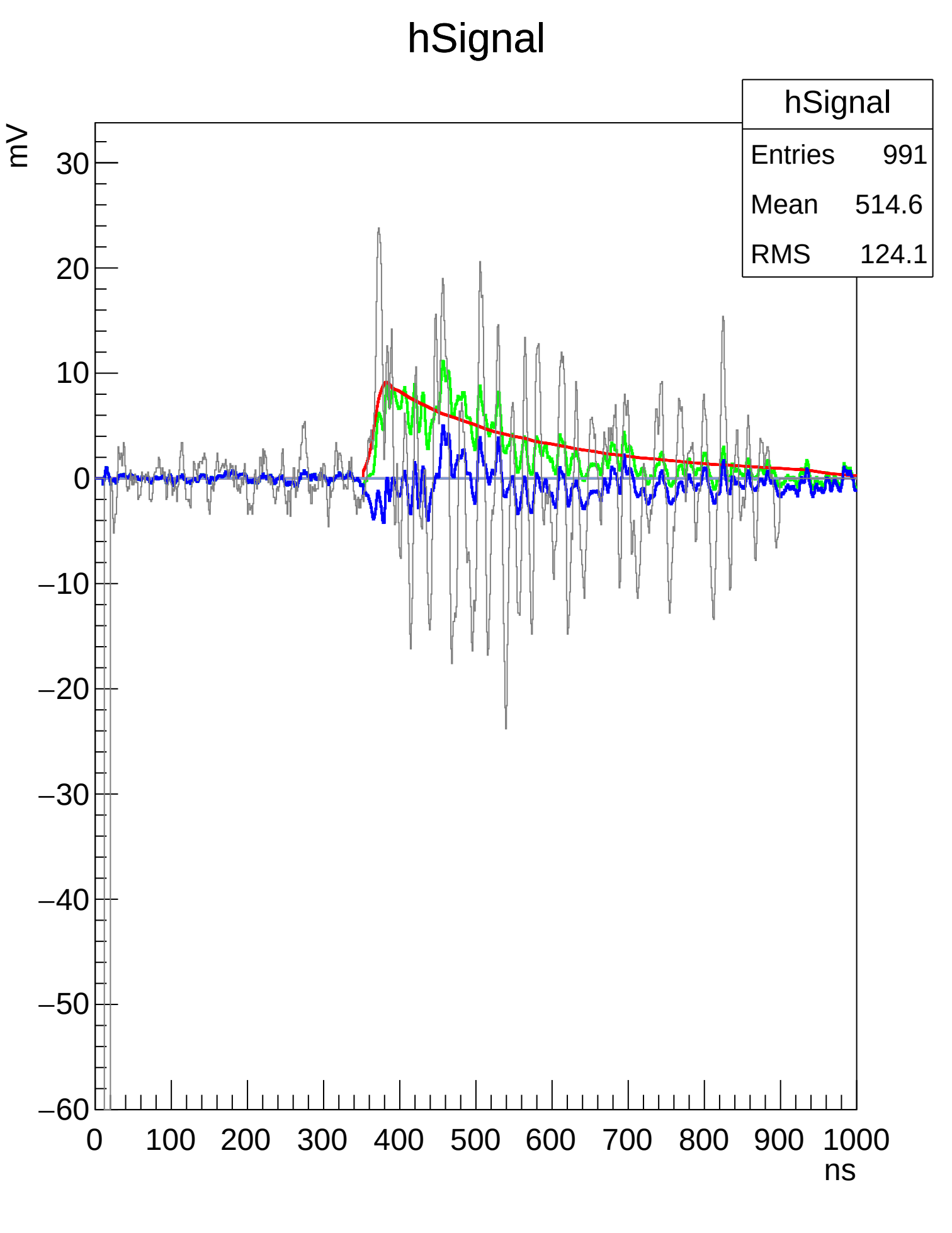
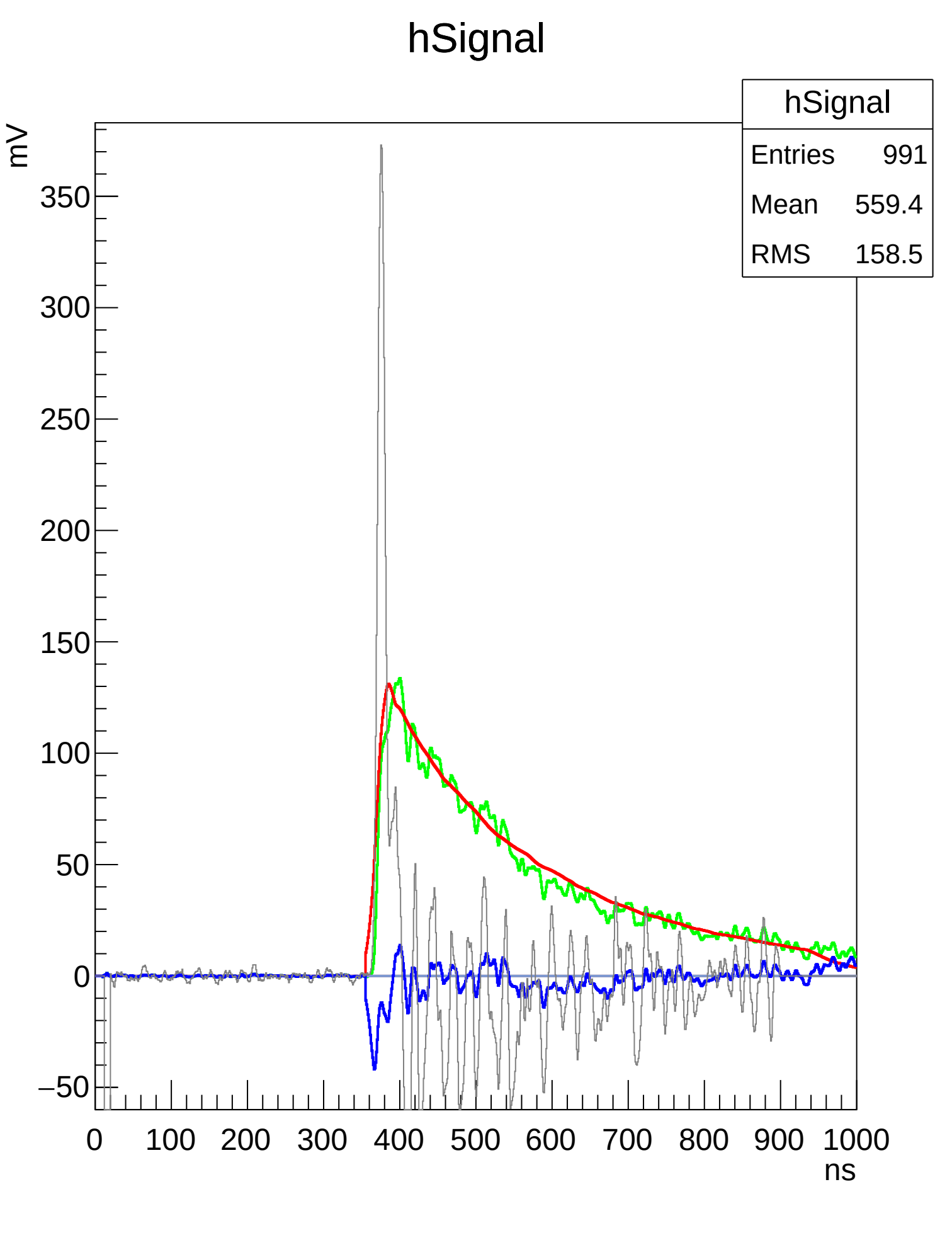
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.6
RMS 124.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.4
RMS 158.5
mV
350
300
250
200
150
100
50
0
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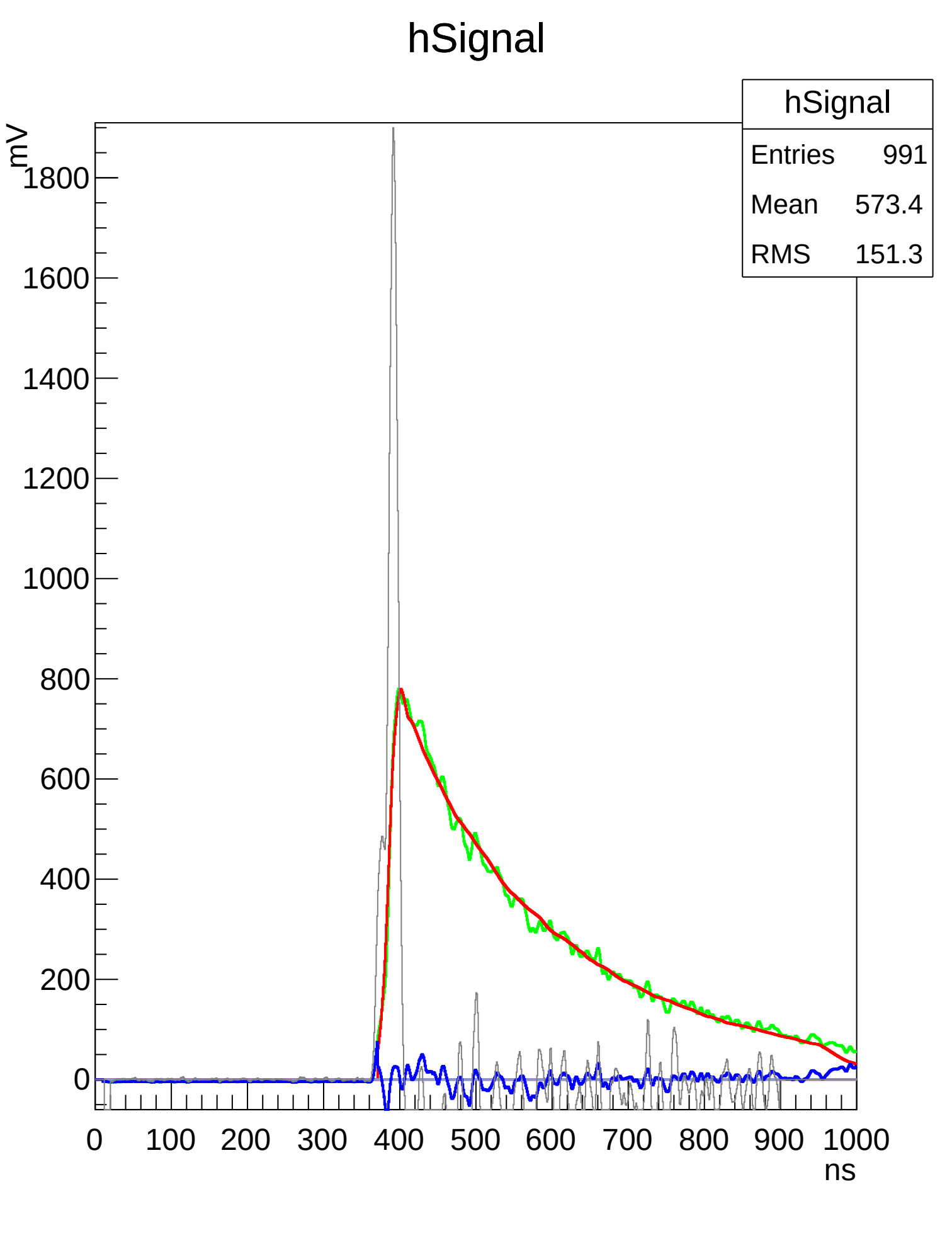
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.4
RMS 151.3
mV
1800
1600
1400
1200
1000
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600
400
200
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0
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200
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800
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1000
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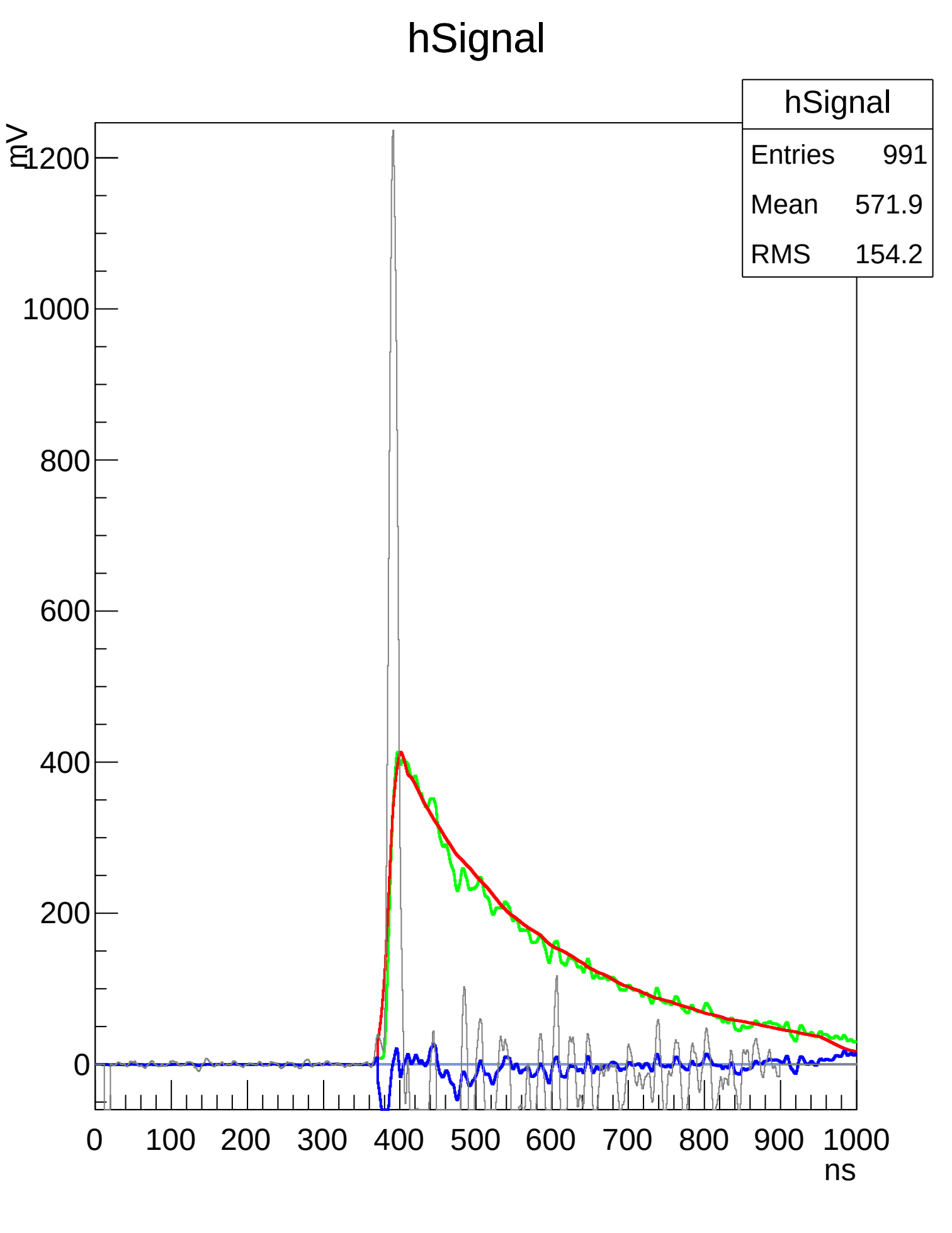
hSignal
hSignal
Entries 991
Mean 571.9
RMS 154.2
mV
1200
1000
800
600
400
200
0
0
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200
300
400
500
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800
900
1000
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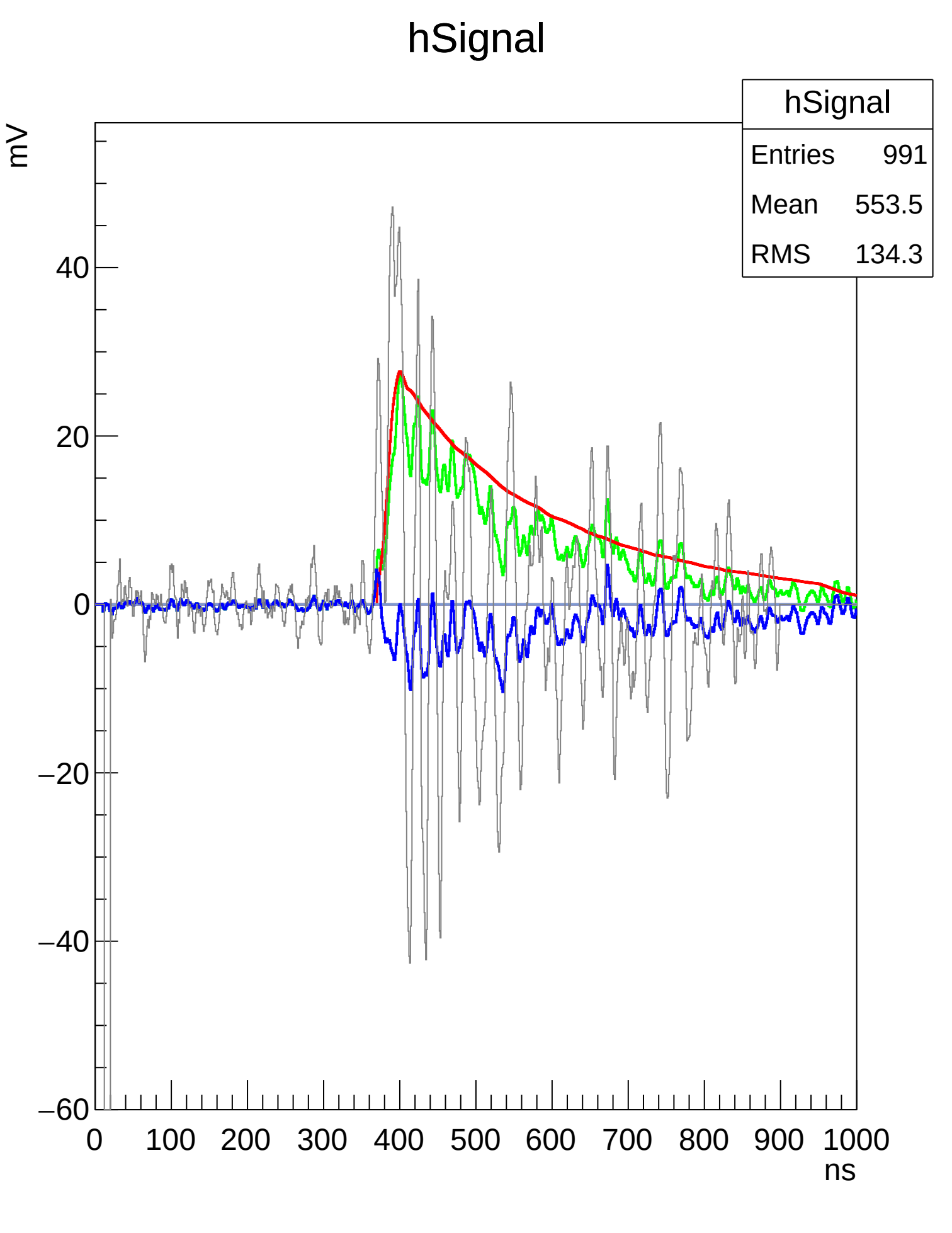
hSignal
hSignal
Entries 991
Mean 553.5
RMS 134.3
mV
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−20
−40
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100
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800
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1000
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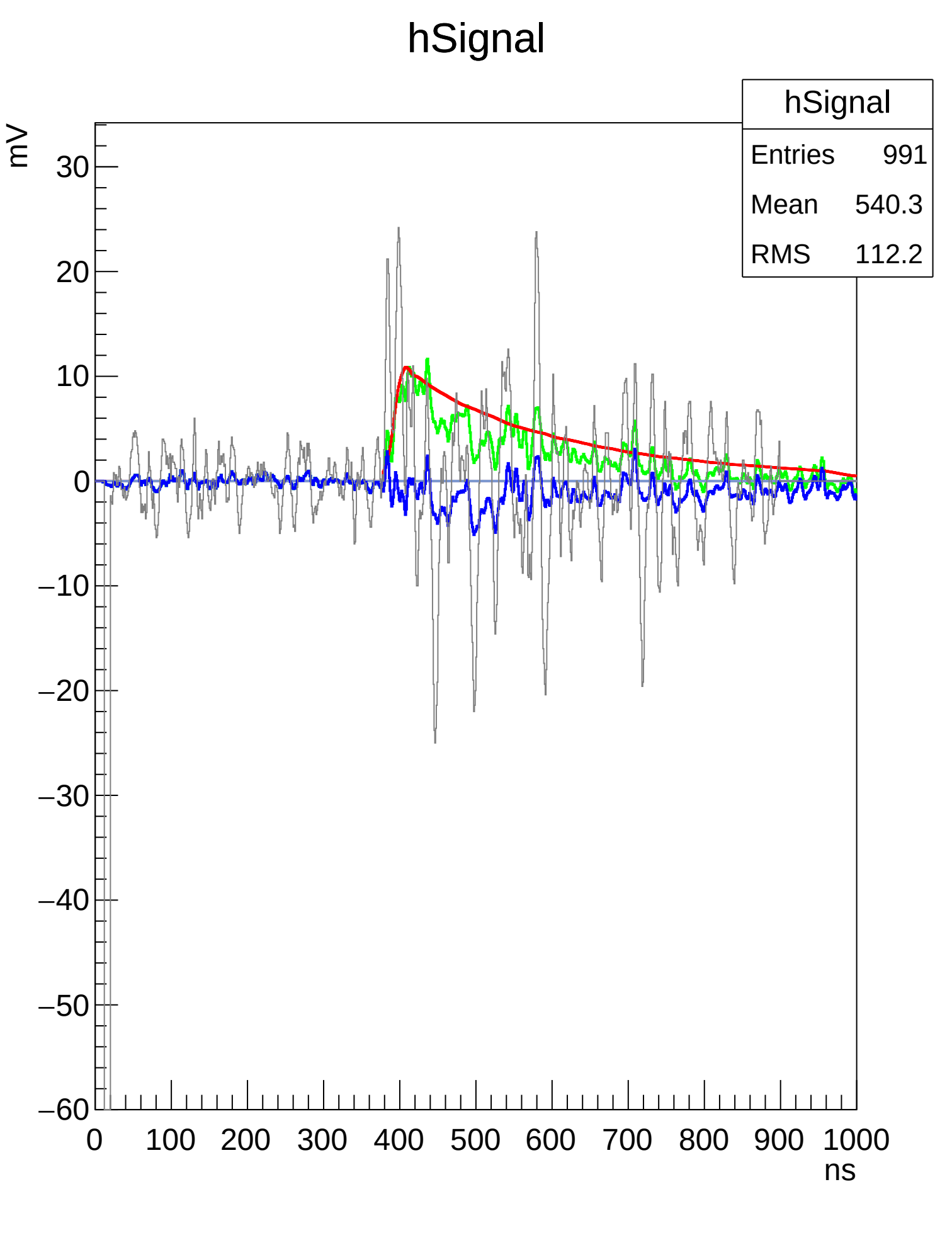
hSignal
hSignal
Entries 991
Mean 540.3
RMS 112.2
mV
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20
10
0
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−50
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0
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1000
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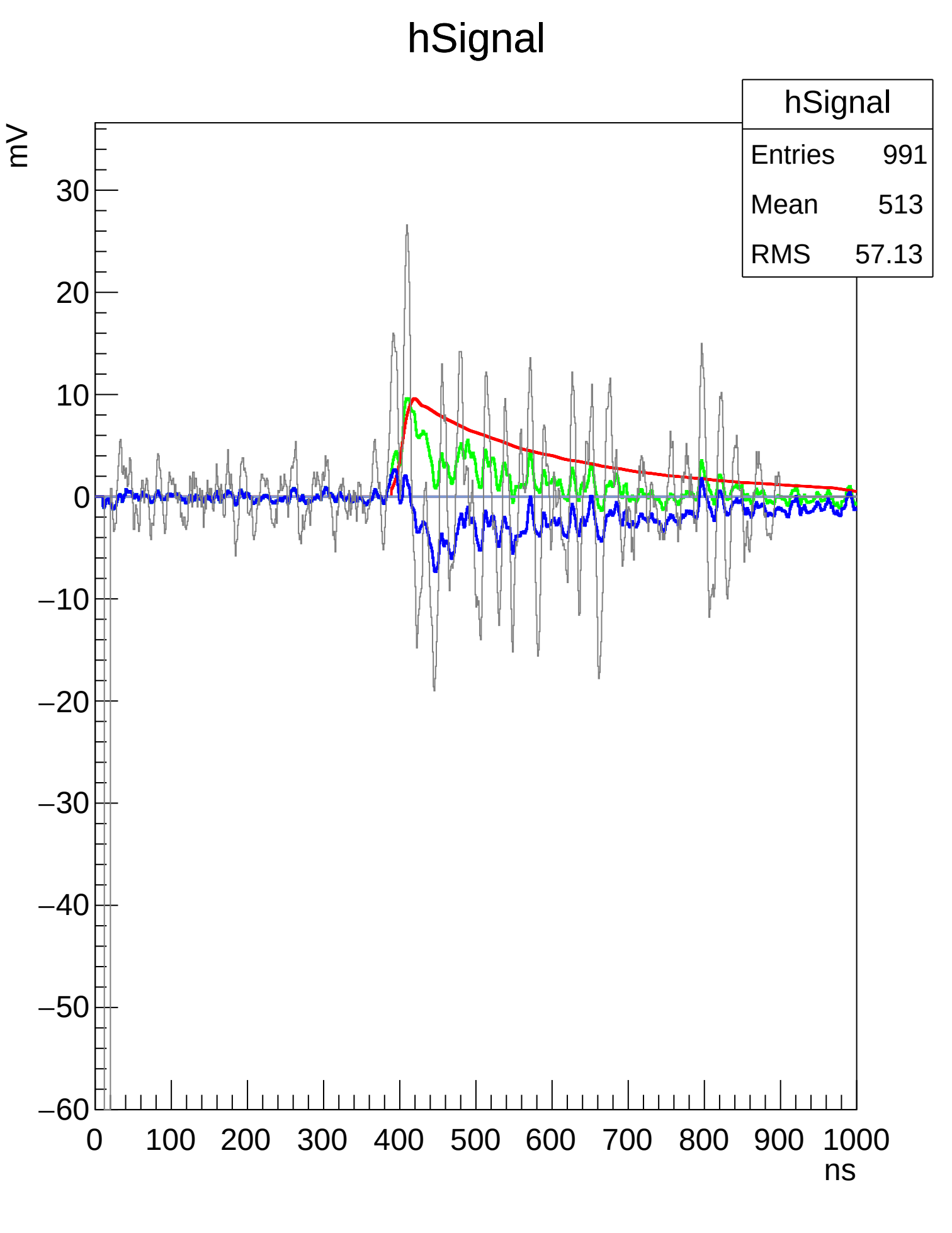
hSignal
hSignal
Entries 991
Mean 513
RMS 57.13
mV
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−50
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600
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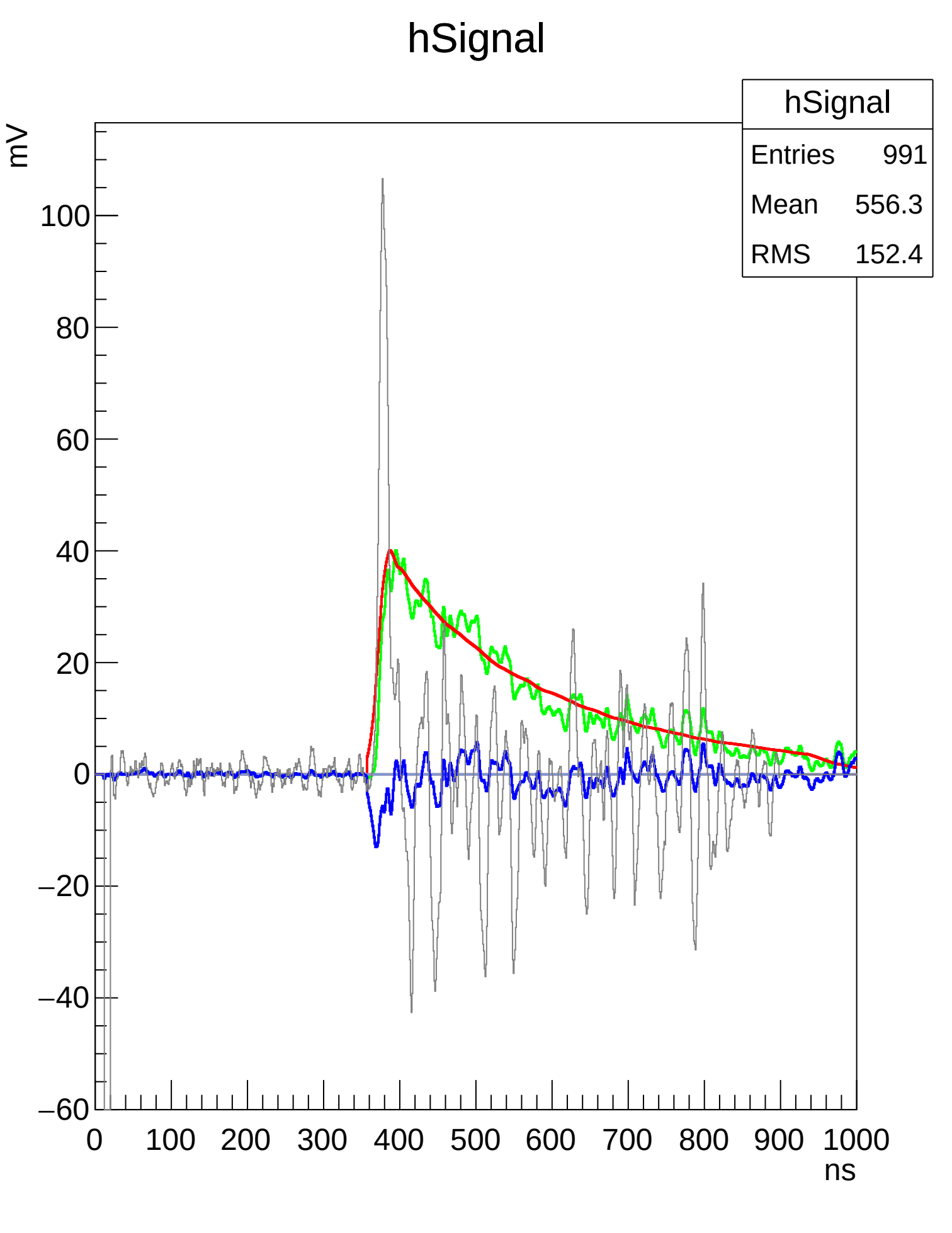
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.3
RMS 152.4
mV
100
80
60
40
20
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−20
−40
−60
0
100
200
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400
500
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800
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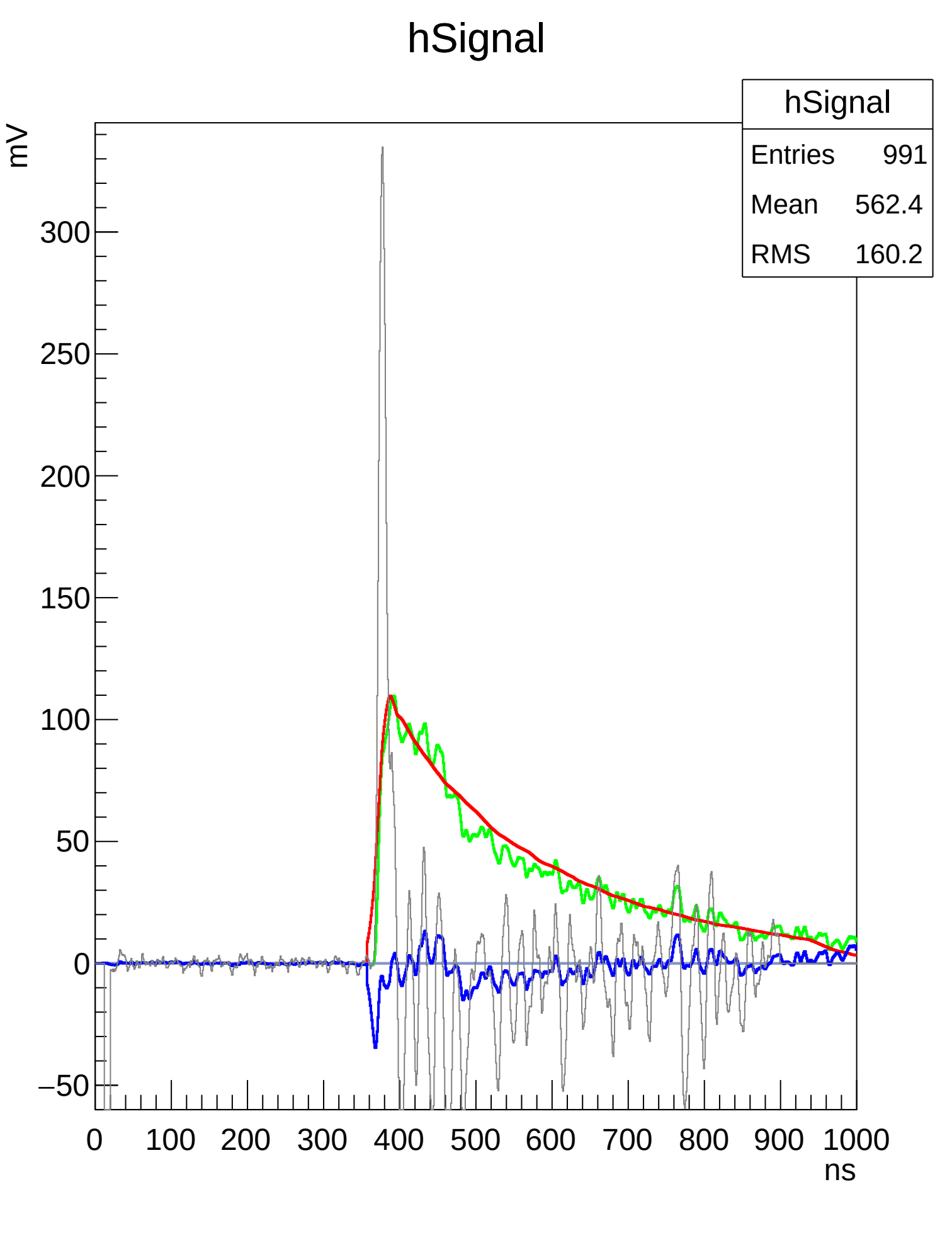
1000
ns


hSignal
hSignal
Entries 991
Mean 562.4
RMS 160.2
mV
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250
200
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100
50
0
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0
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800
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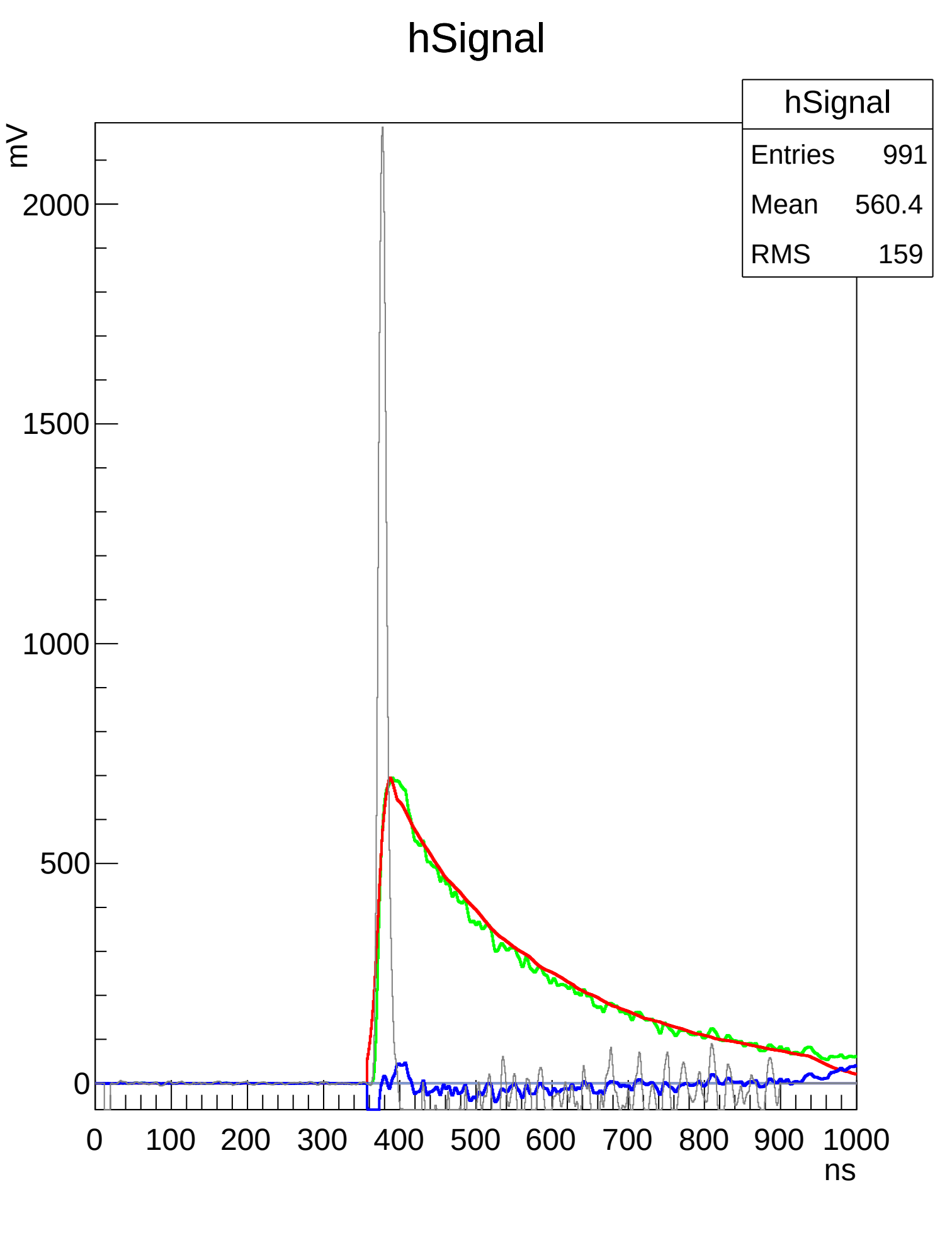
1000
ns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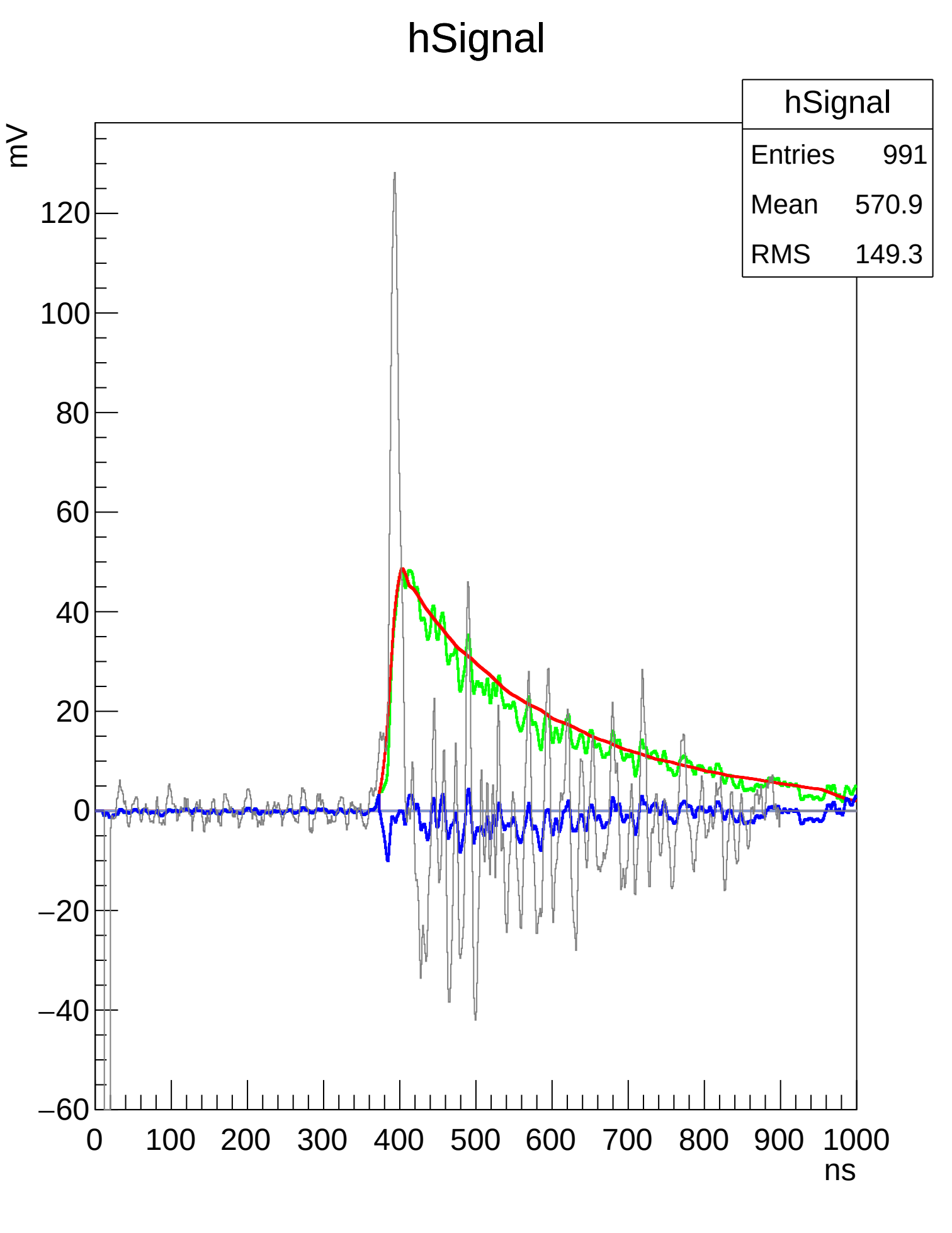
hSignal
Entries 991
Mean 560.4
RMS 159
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 570.9
RMS 149.3
mV
120
100
80
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1000
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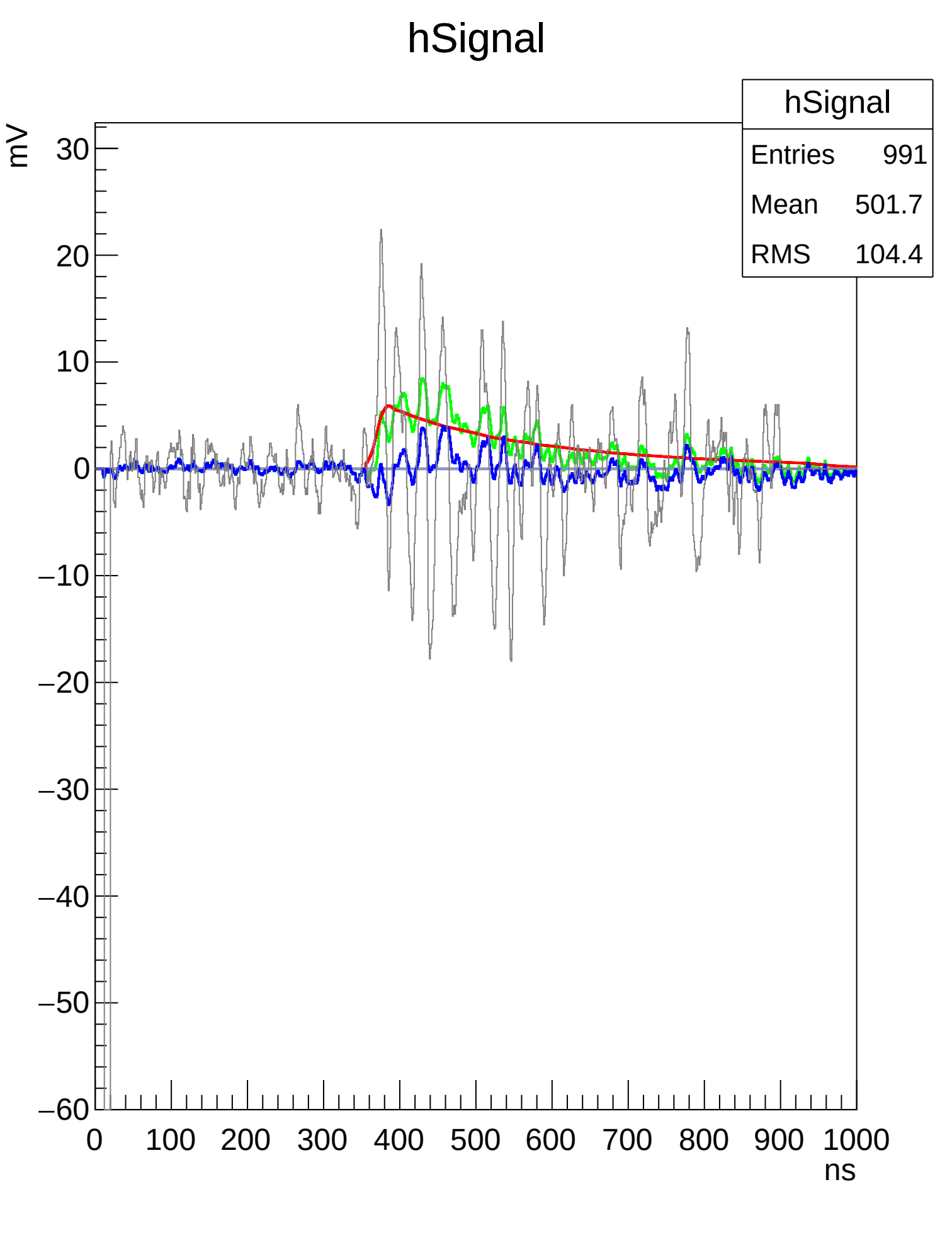
hSignal
hSignal
Entries 991
Mean 501.7
RMS 104.4
mV
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800
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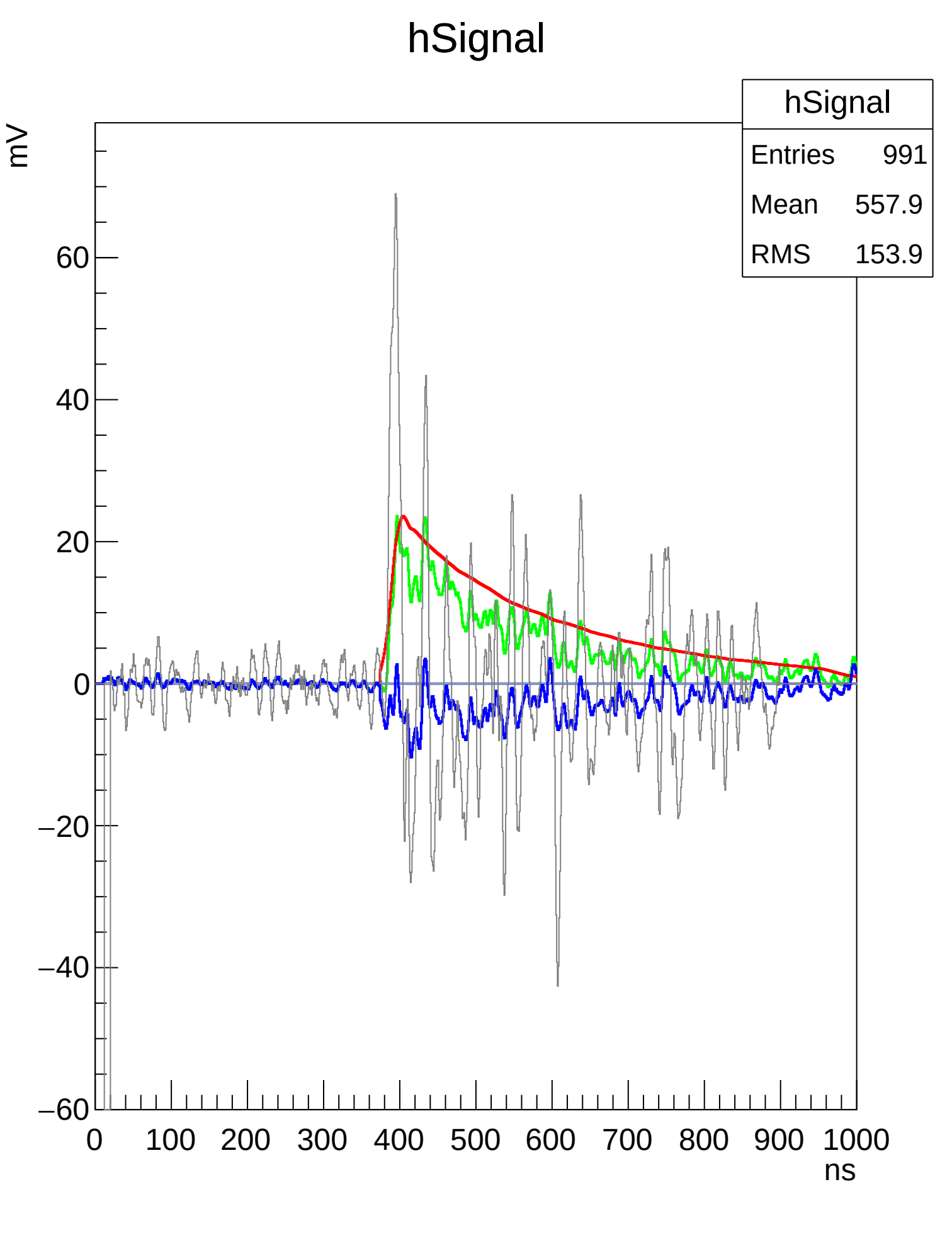
hSignal
hSignal
Entries 991
Mean 557.9
RMS 153.9
mV
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800
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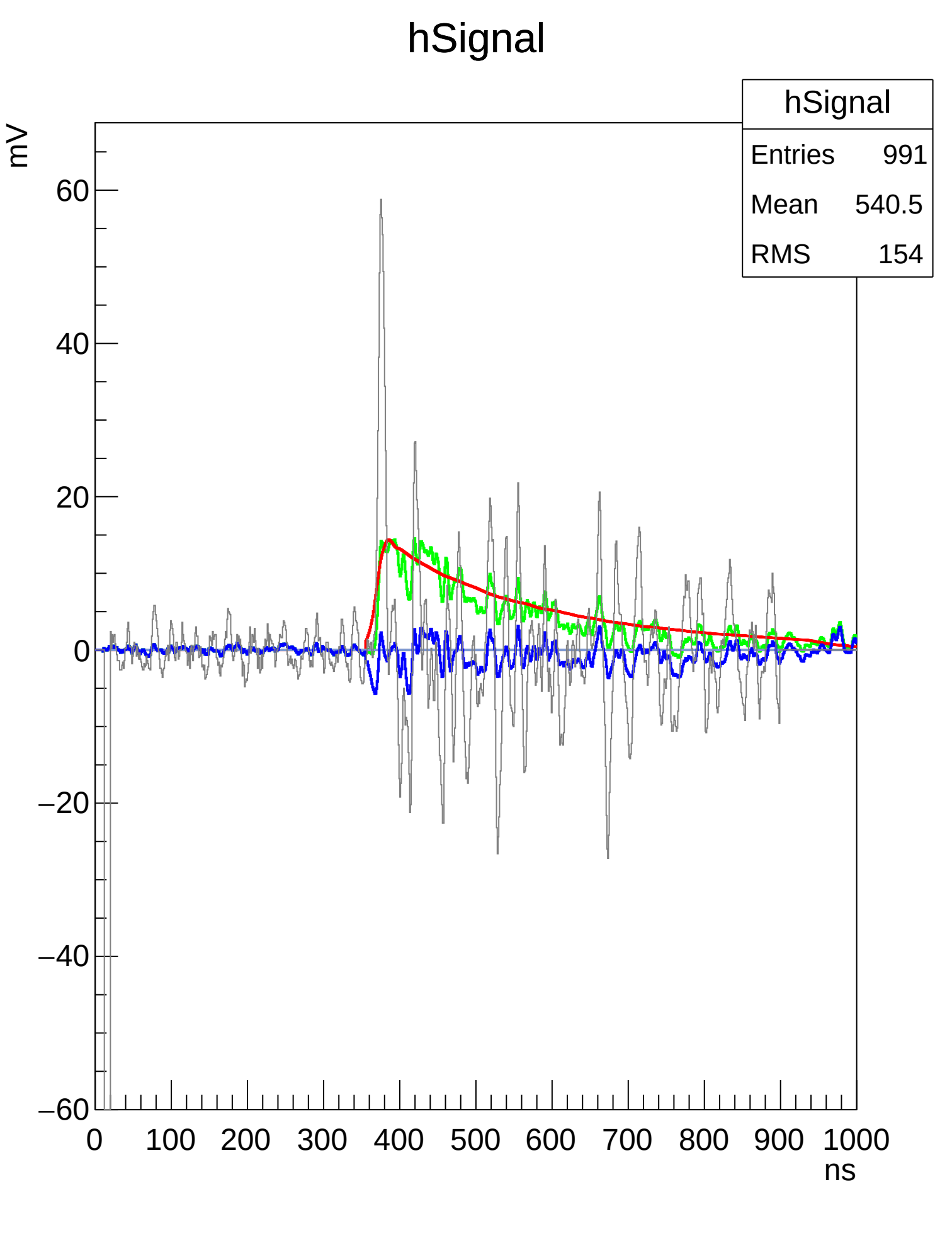
1000
ns


hSignal
hSignal
Entries 991
Mean 540.5
RMS 154
mV
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−20
−40
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0
100
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700
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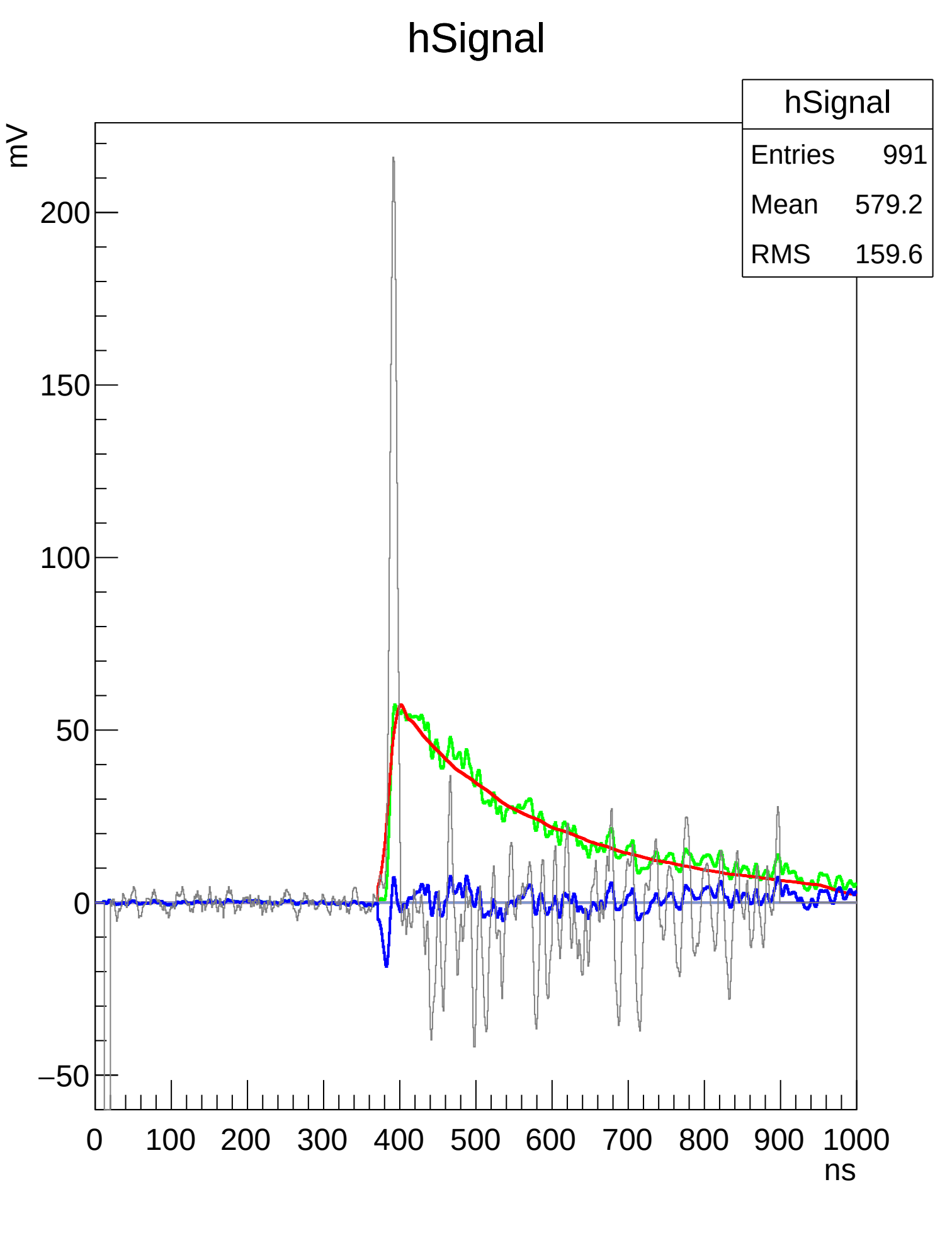
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 159.6
mV
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100
50
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100
200
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600
700
800
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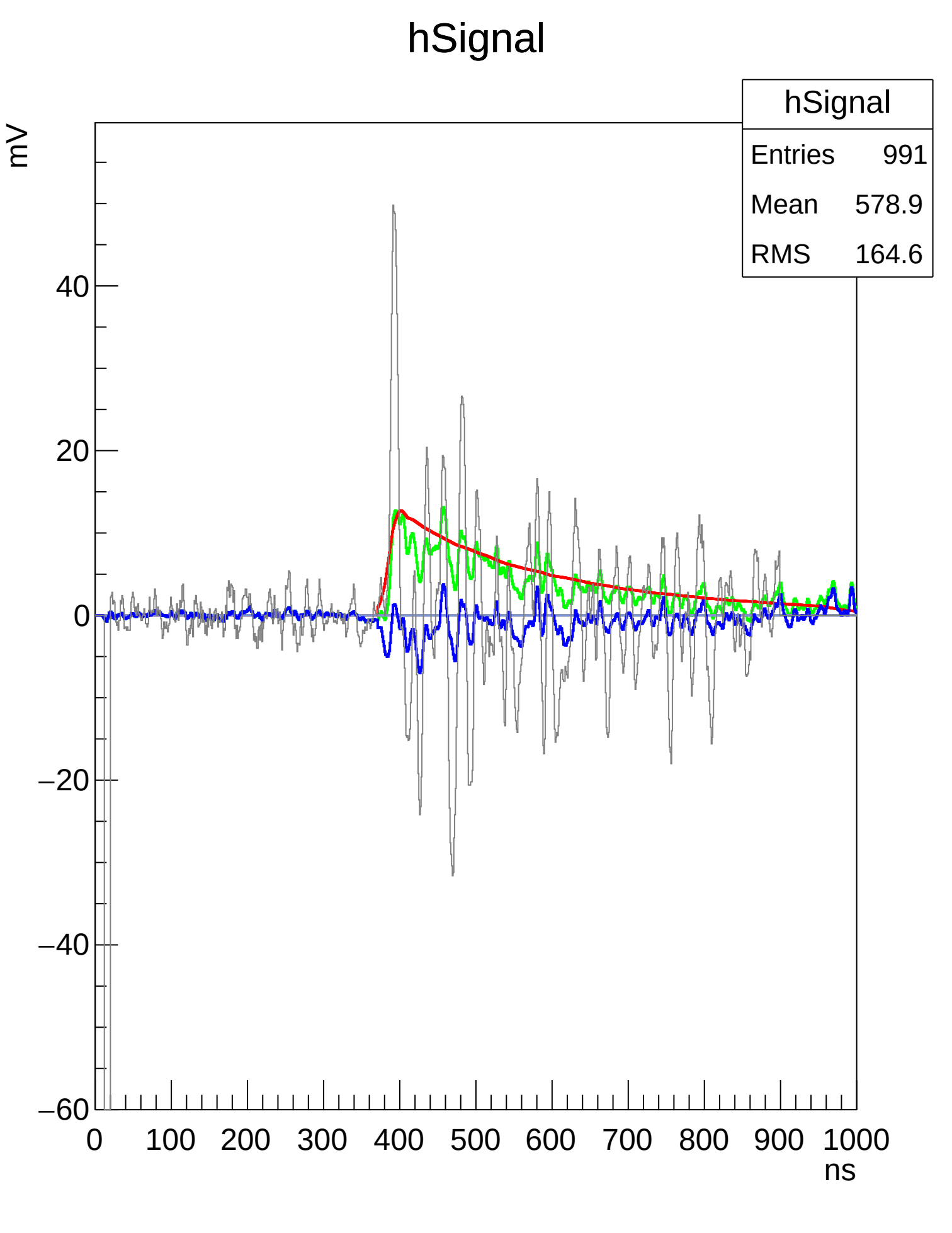
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 164.6
mV
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20
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−20
−40
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0
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700
800
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1000
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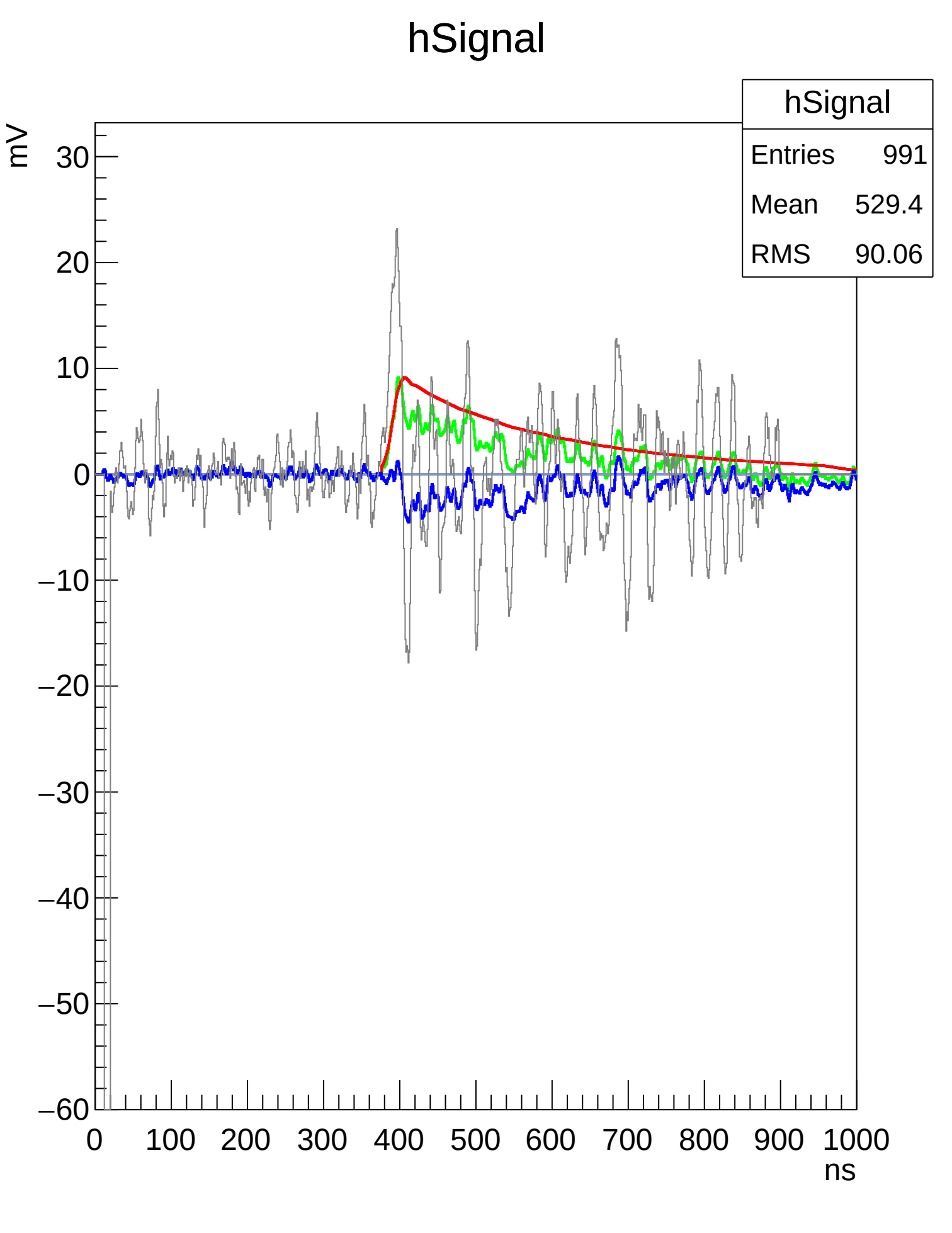
hSignal
hSignal
Entries 991
Mean 529.4
RMS 90.06
mV
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10
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0
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400
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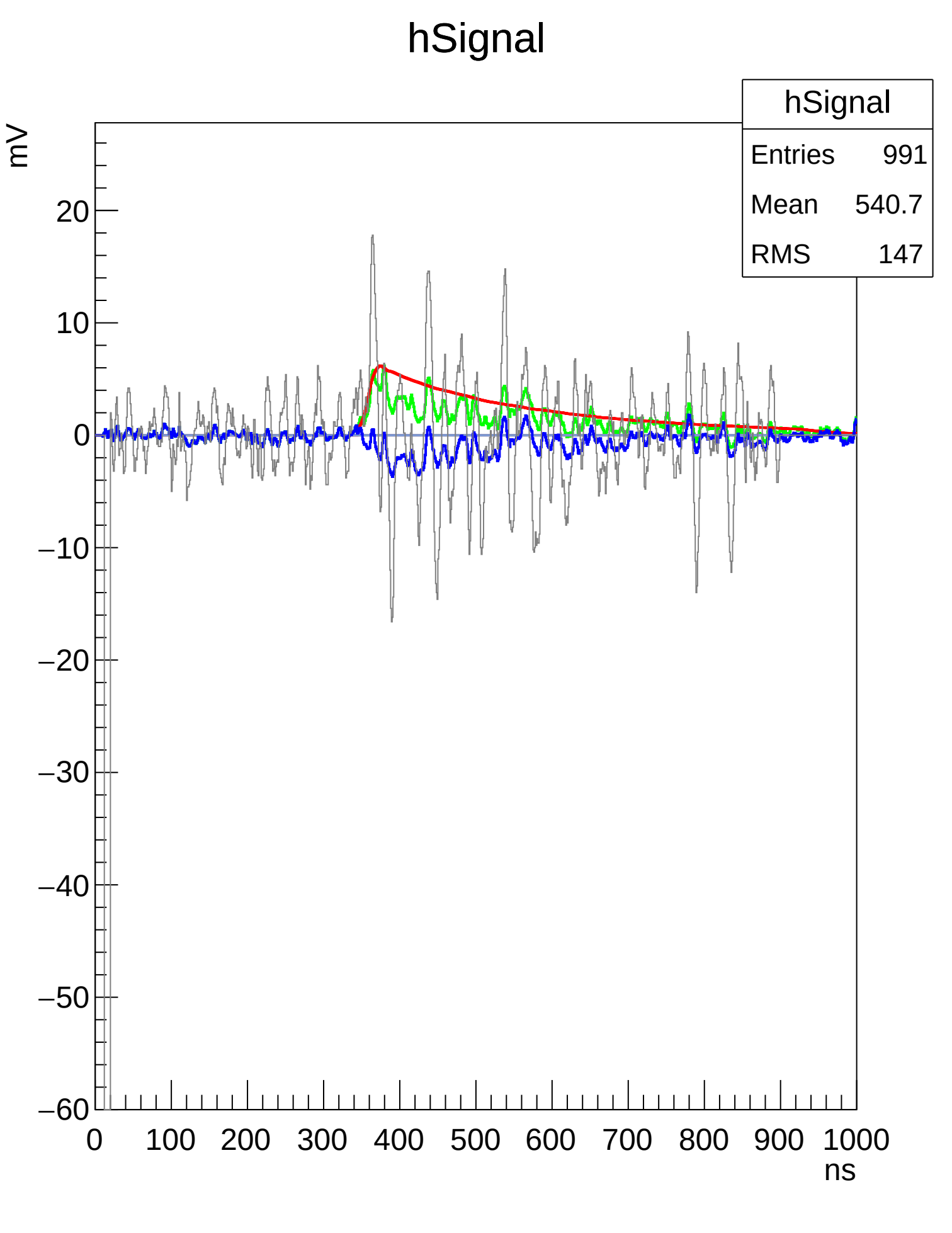
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.7
RMS 147
mV
20
10
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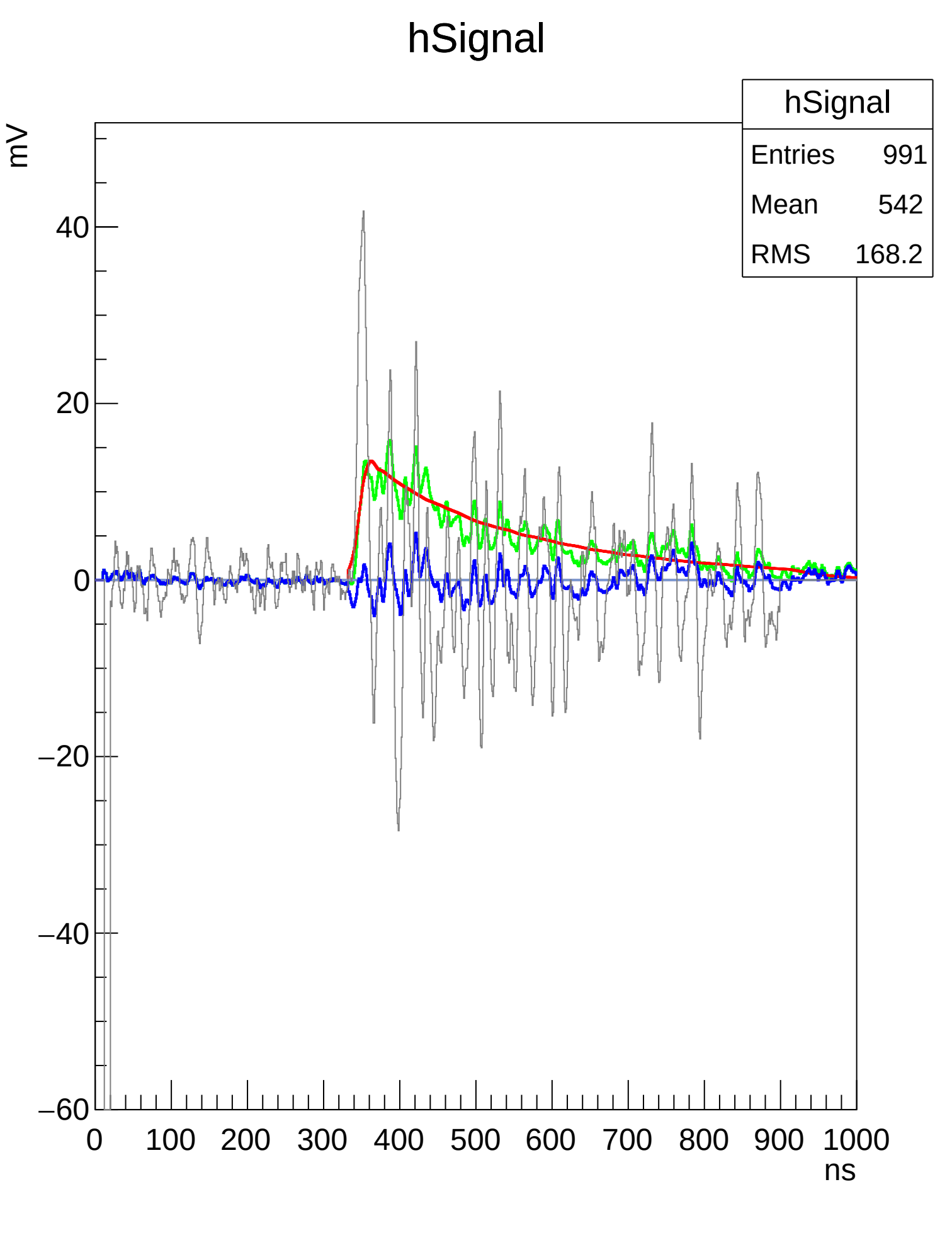
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542
RMS 168.2
mV
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−20
−40
−60
0
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200
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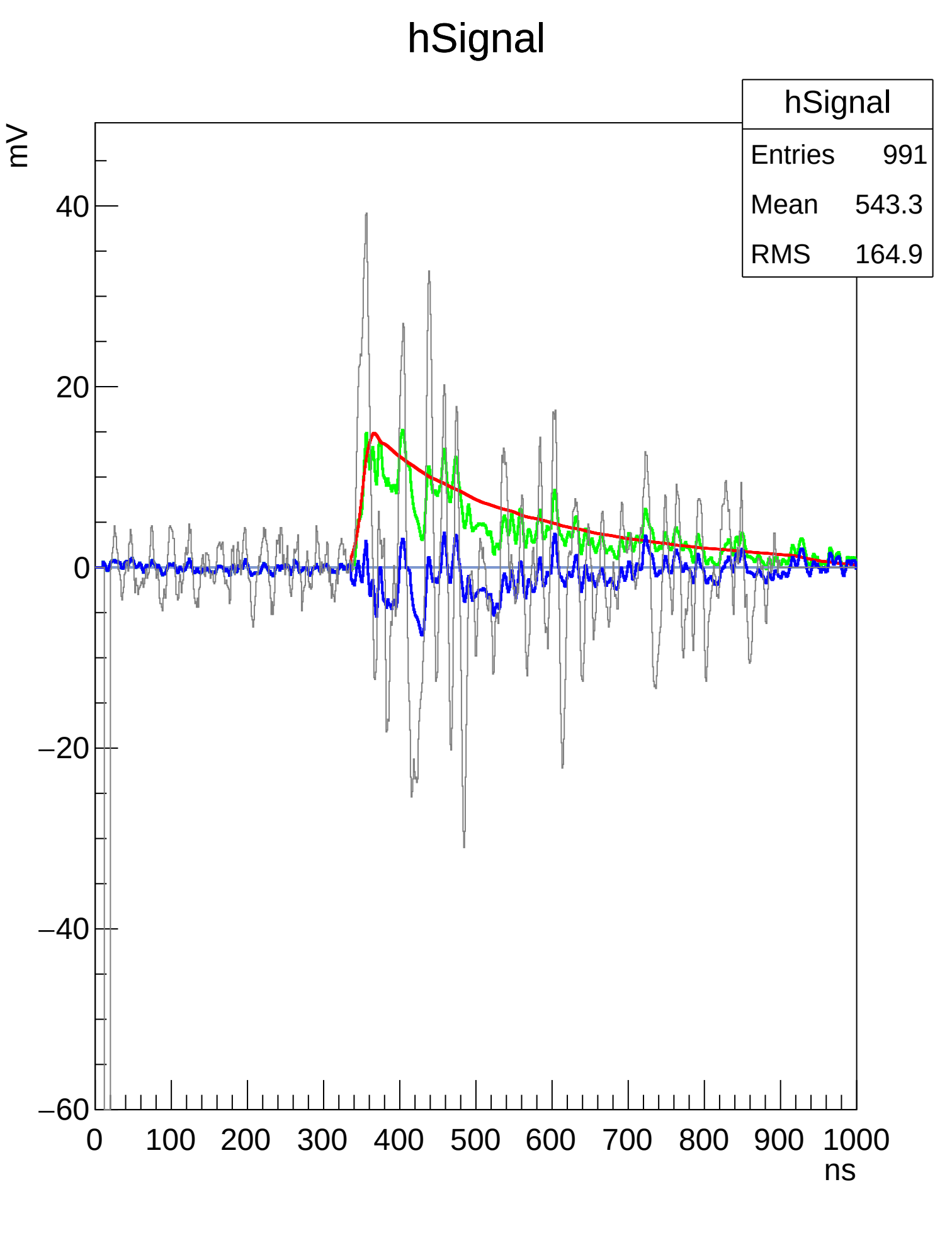
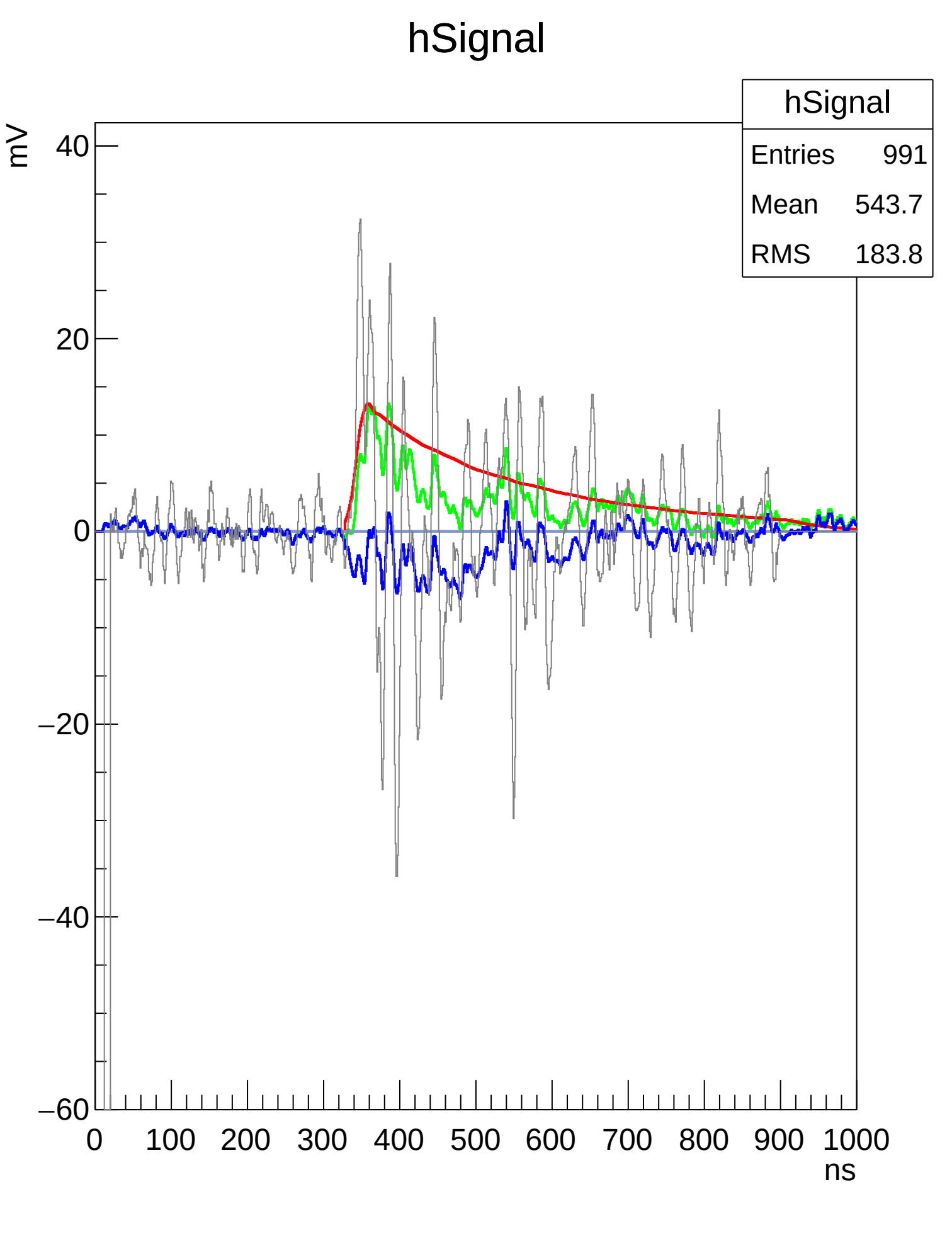
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.3
RMS 164.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 183.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
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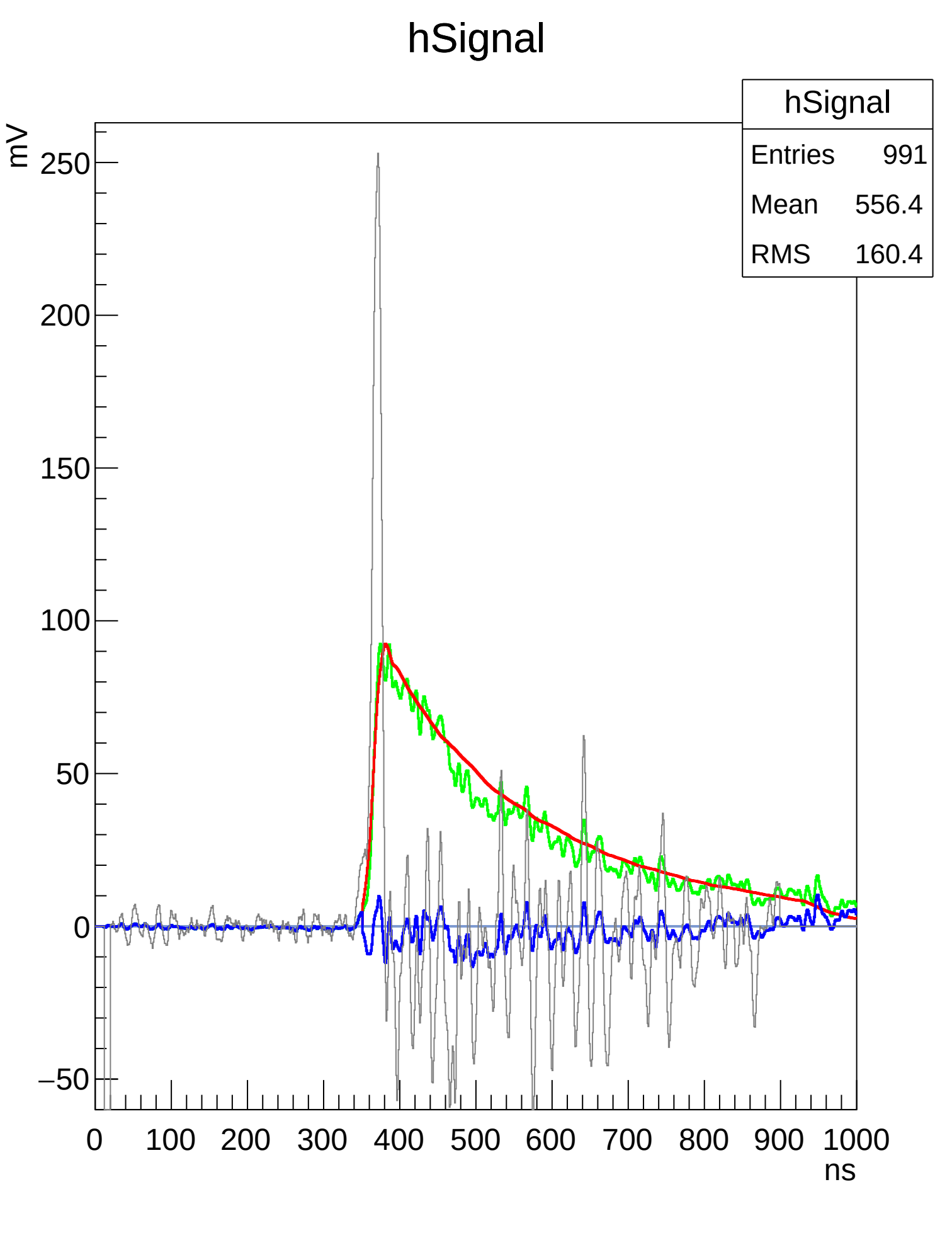
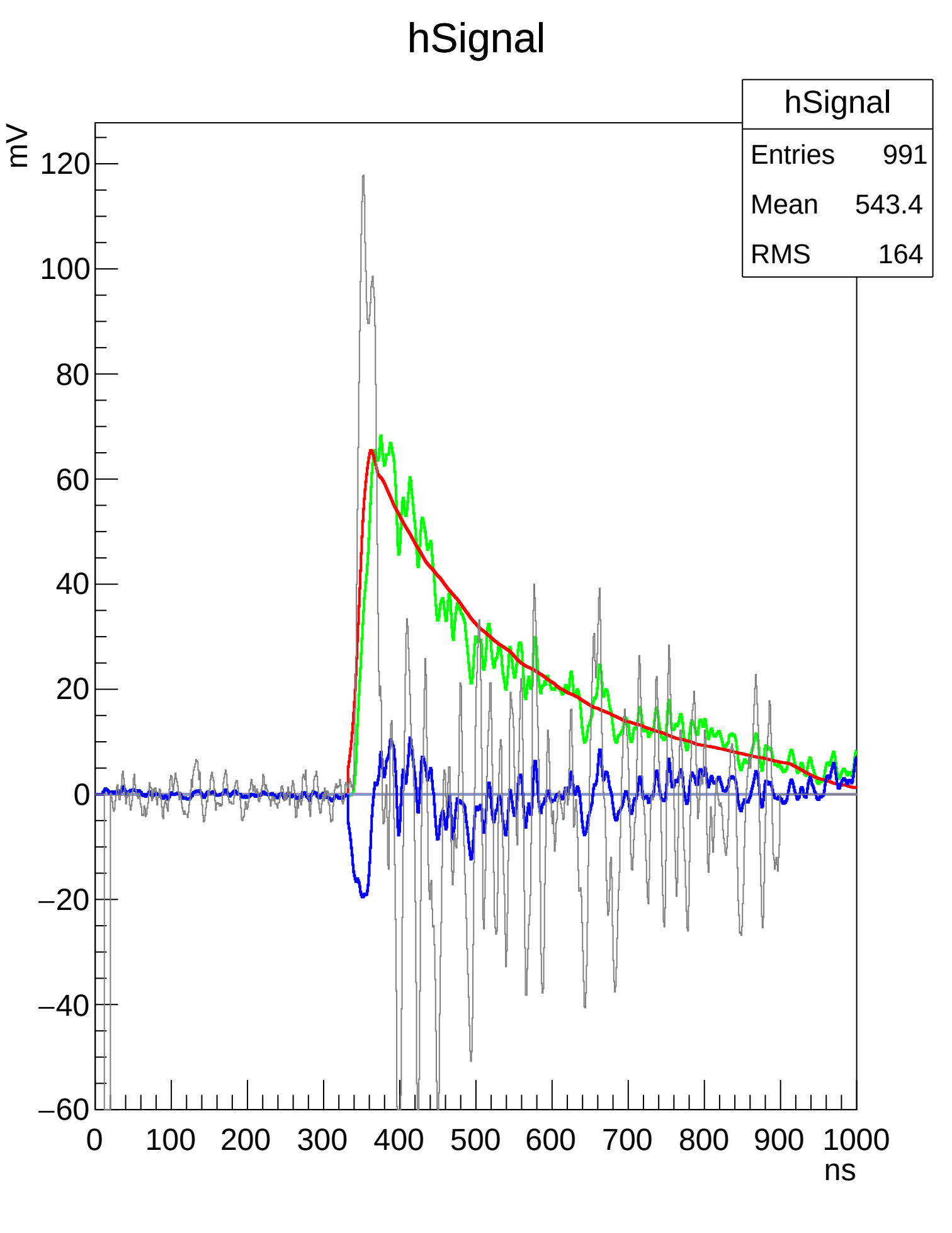
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.4
RMS 160.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.4
RMS 164
mV
120
100
80
60
40
20
0
−20
−40
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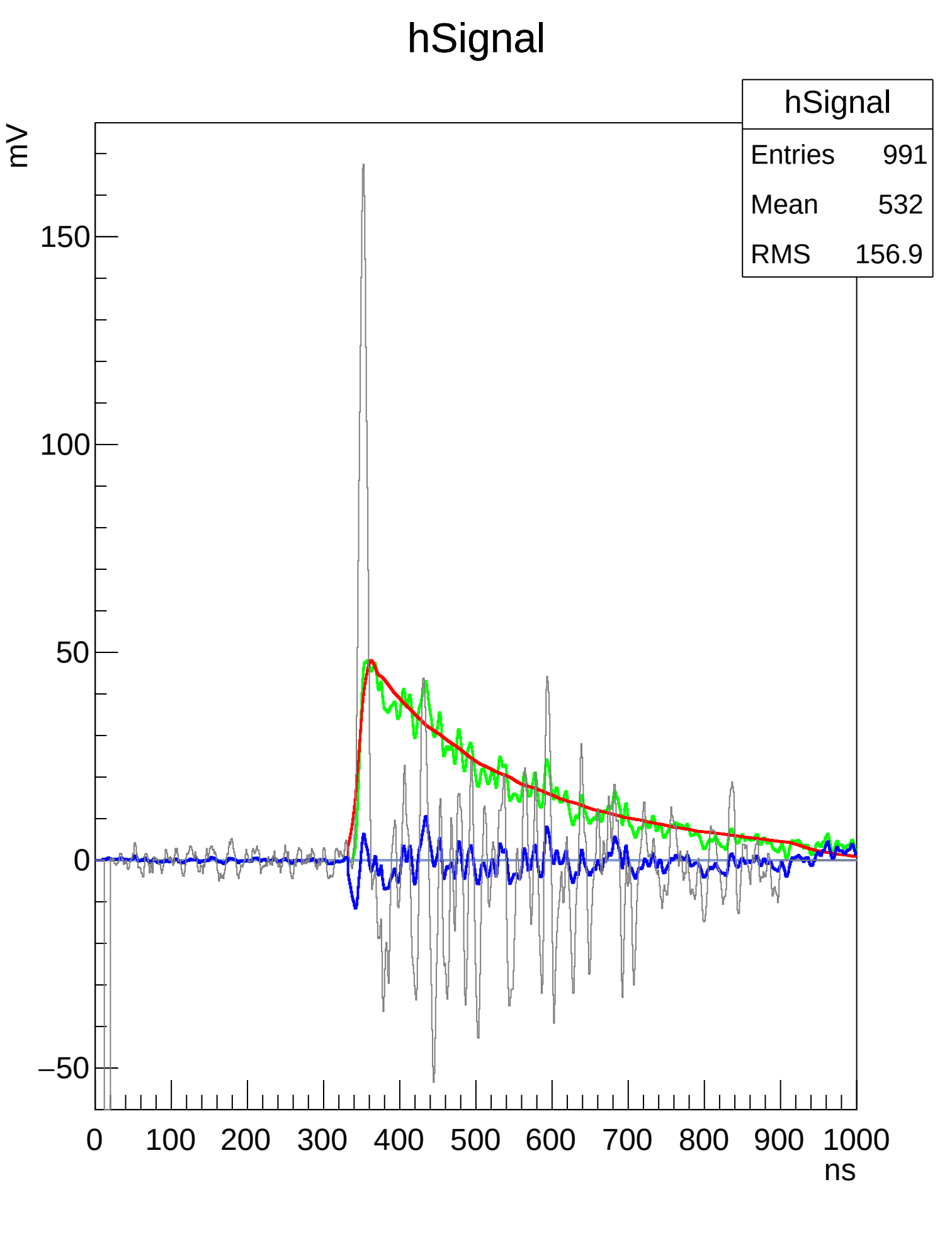
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532
RMS 156.9
mV
150
100
50
0
−50
0
100
200
300
400
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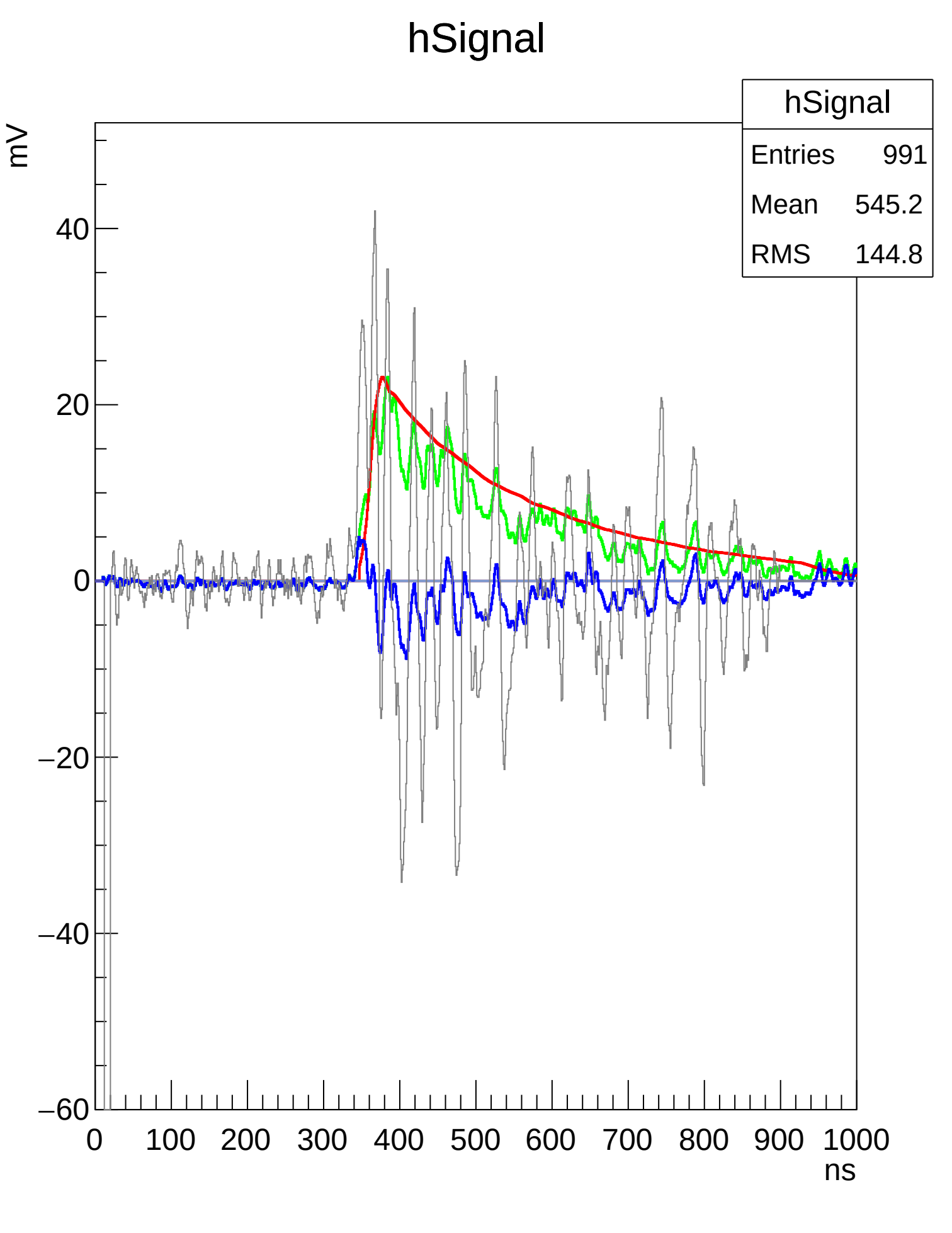
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.2
RMS 144.8
mV
40
20
0
−20
−40
−60
0
100
200
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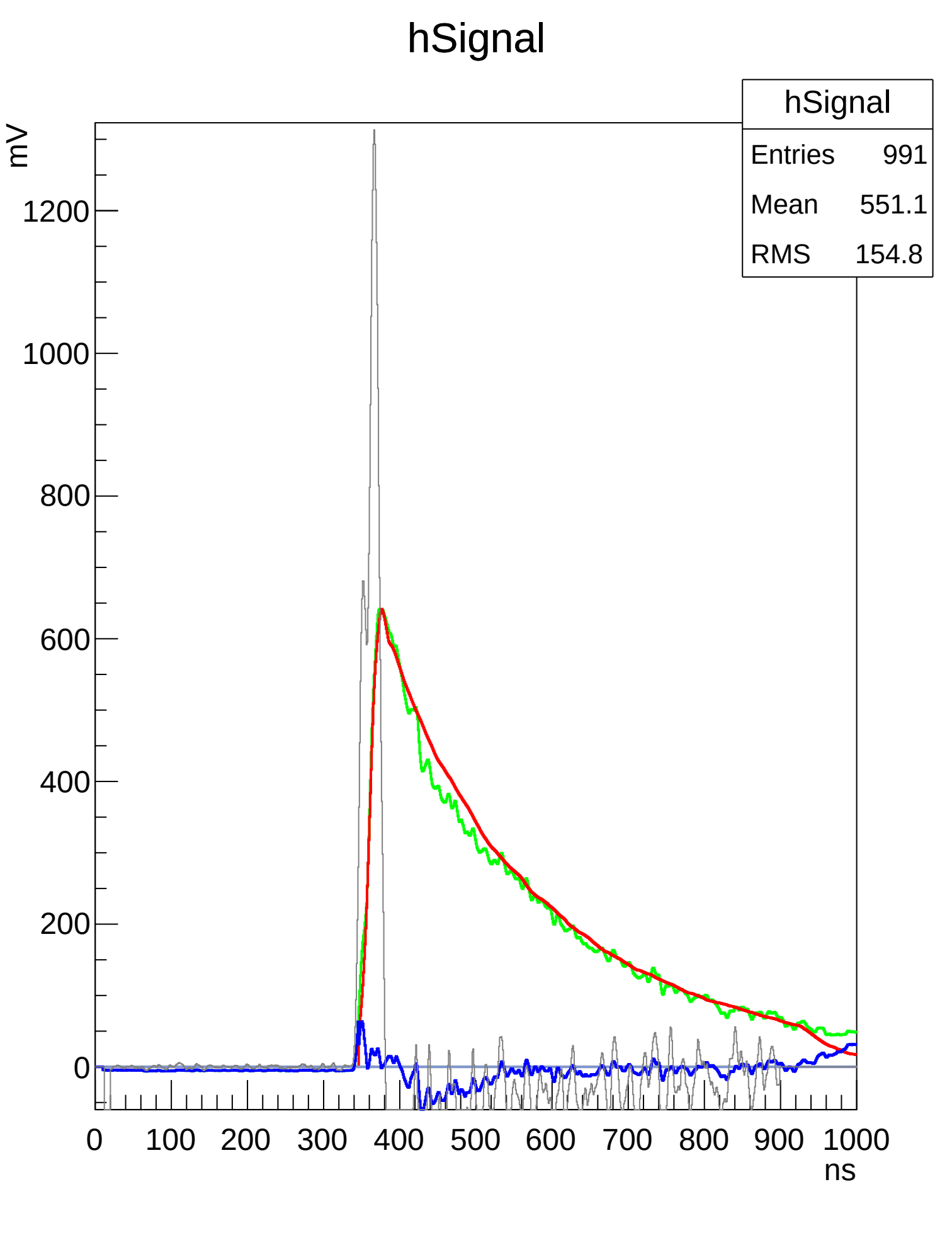
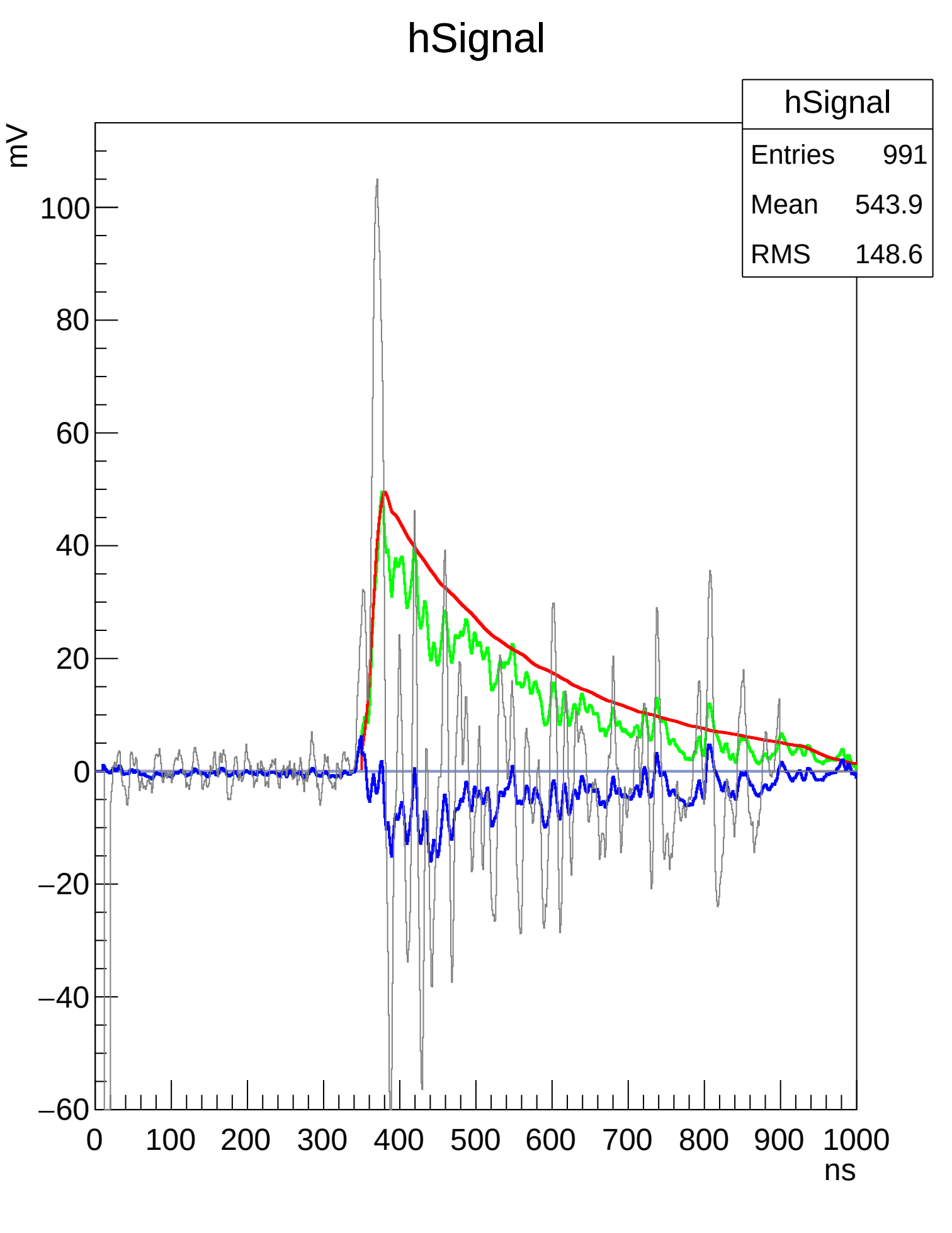
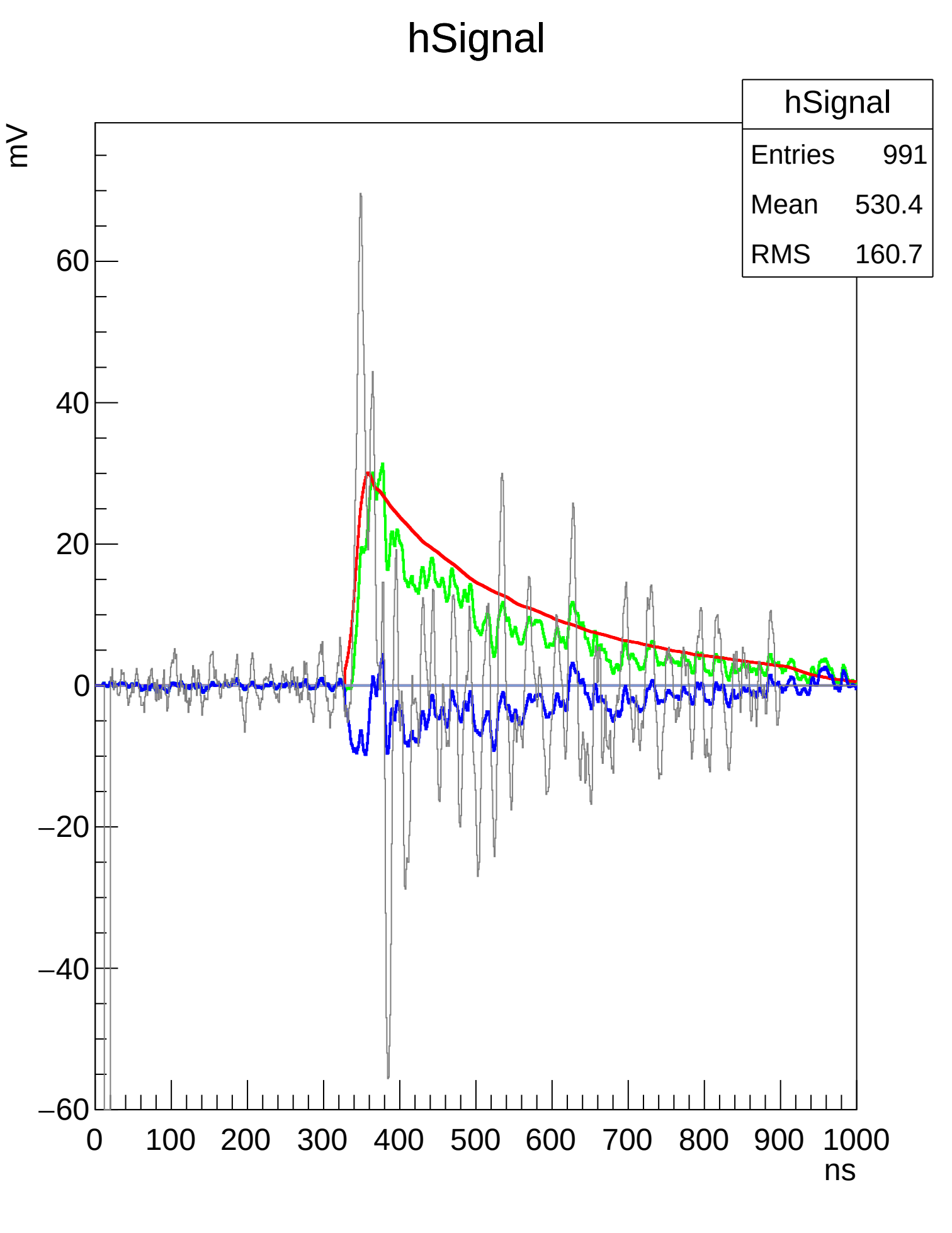
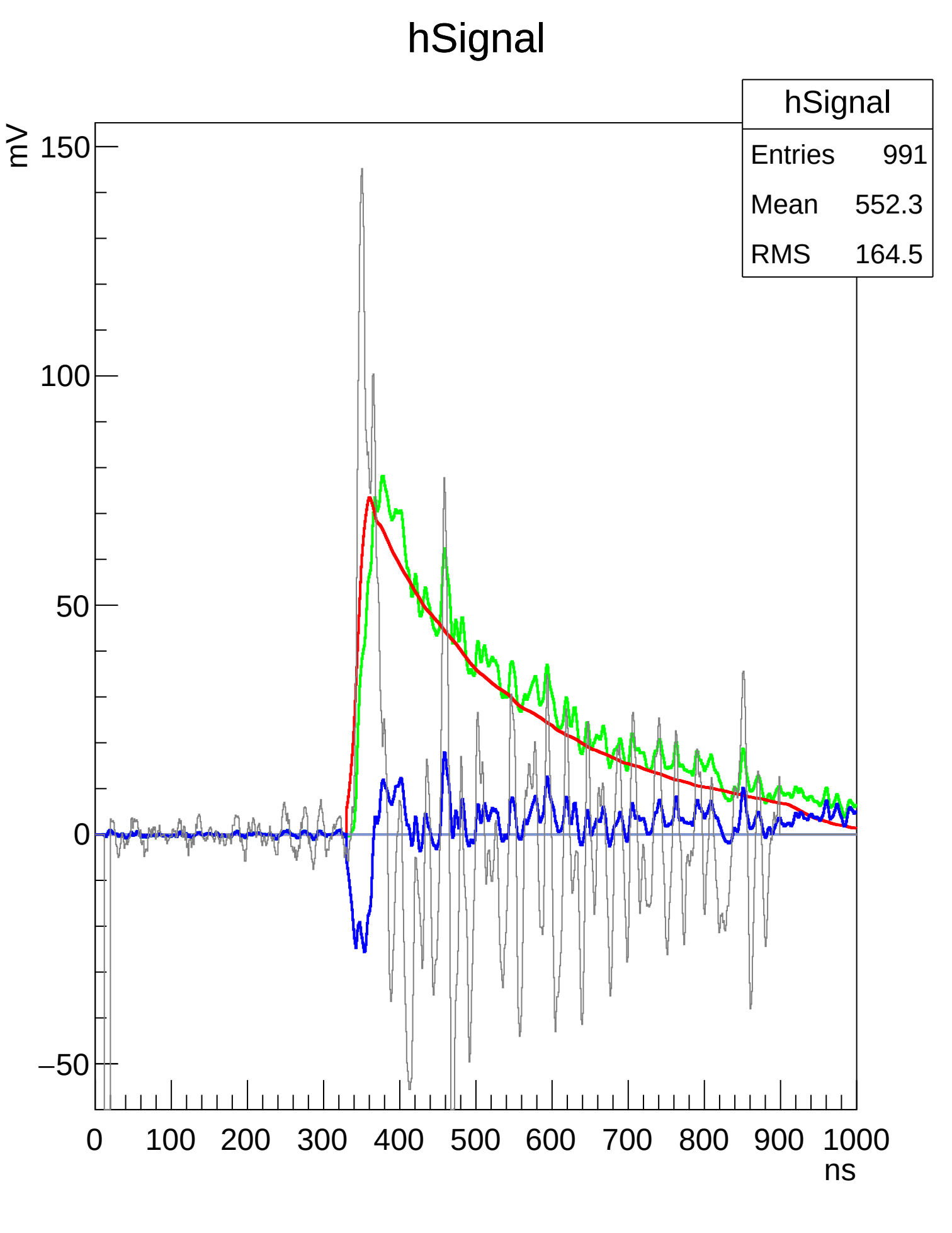
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.1
RMS 154.8
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.9
RMS 148.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.4
RMS 160.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.3
RMS 164.5
mV
150
100
50
0
−50
0
100
200
300
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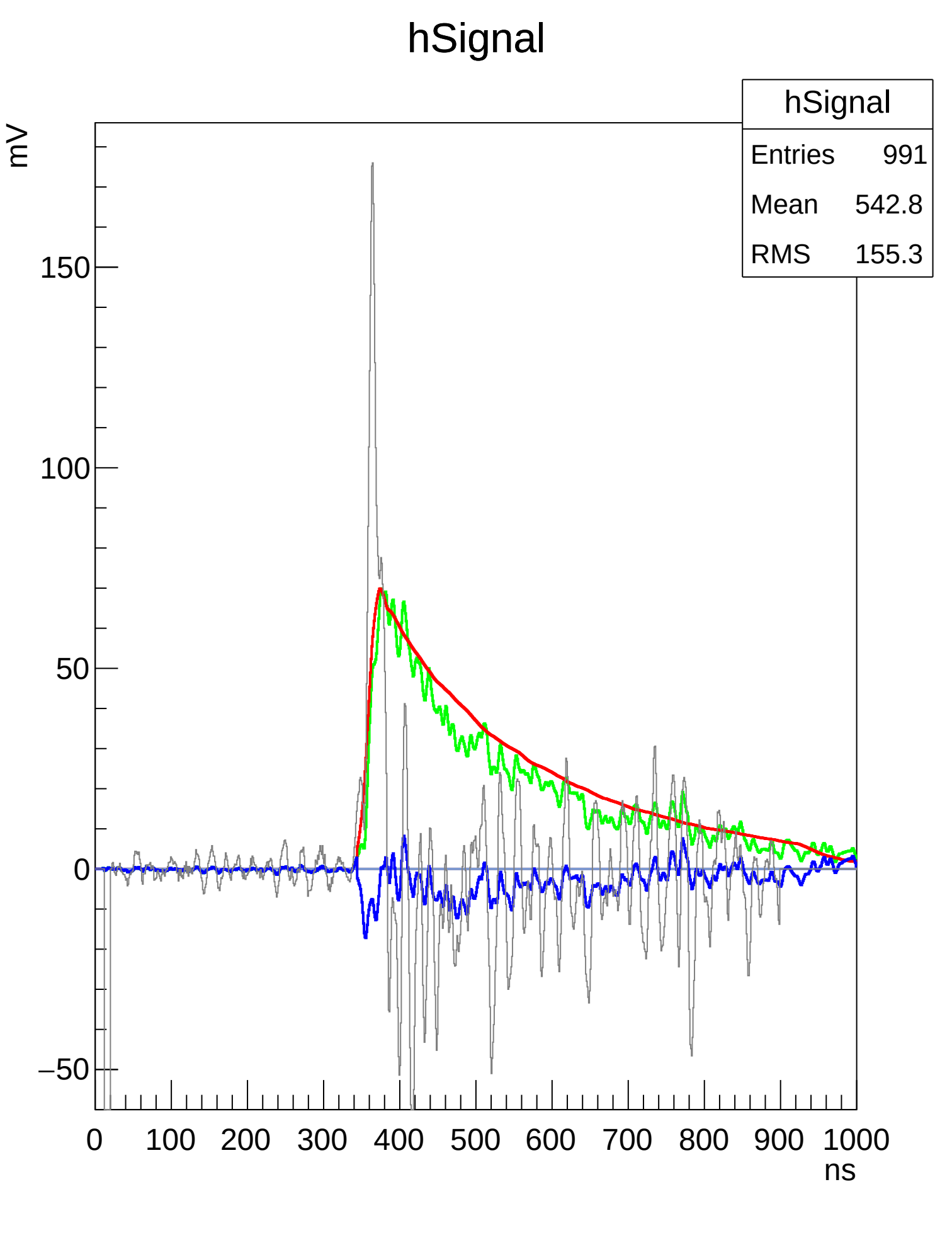
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.8
RMS 155.3
mV
150
100
50
0
−50
0
100
200
300
400
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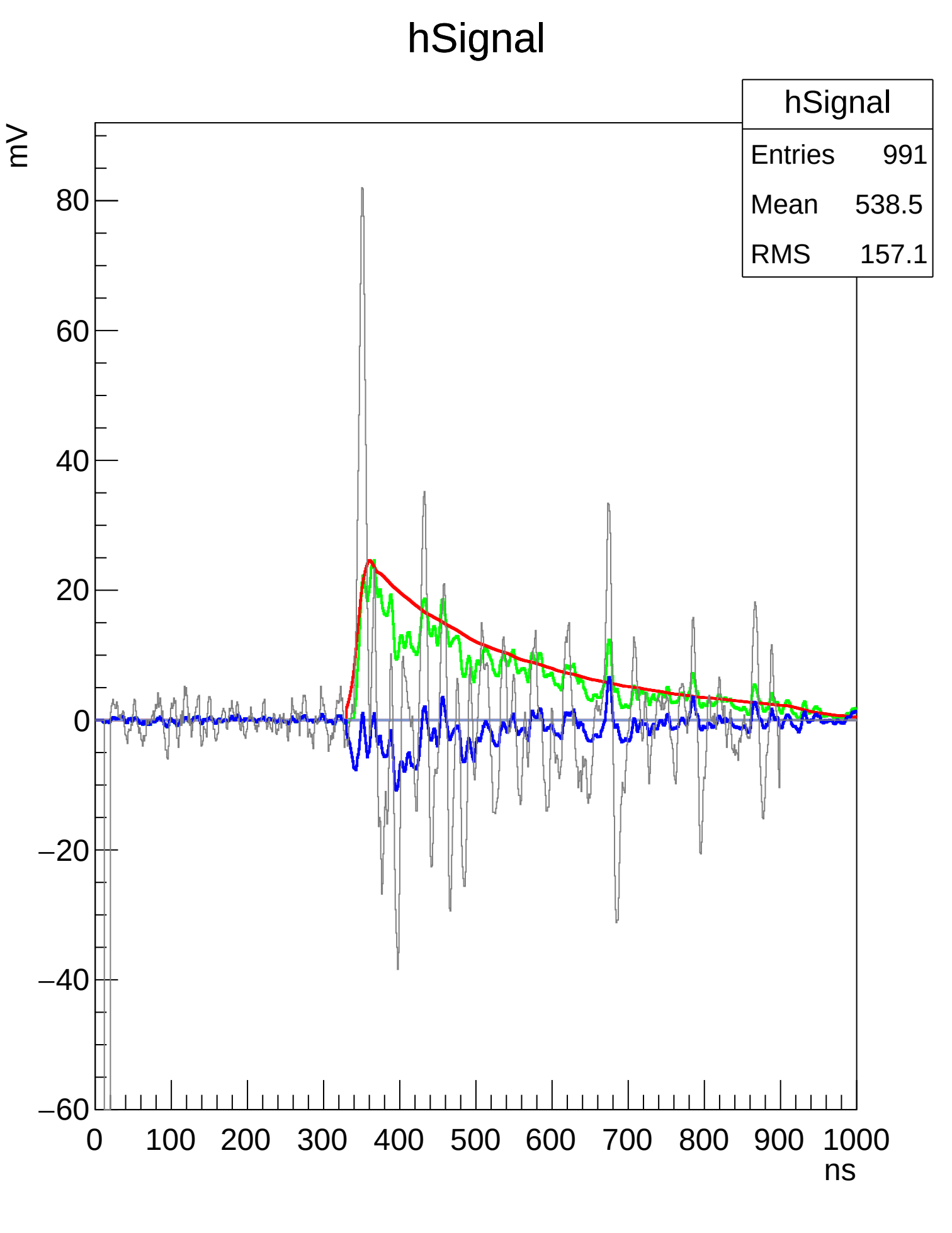
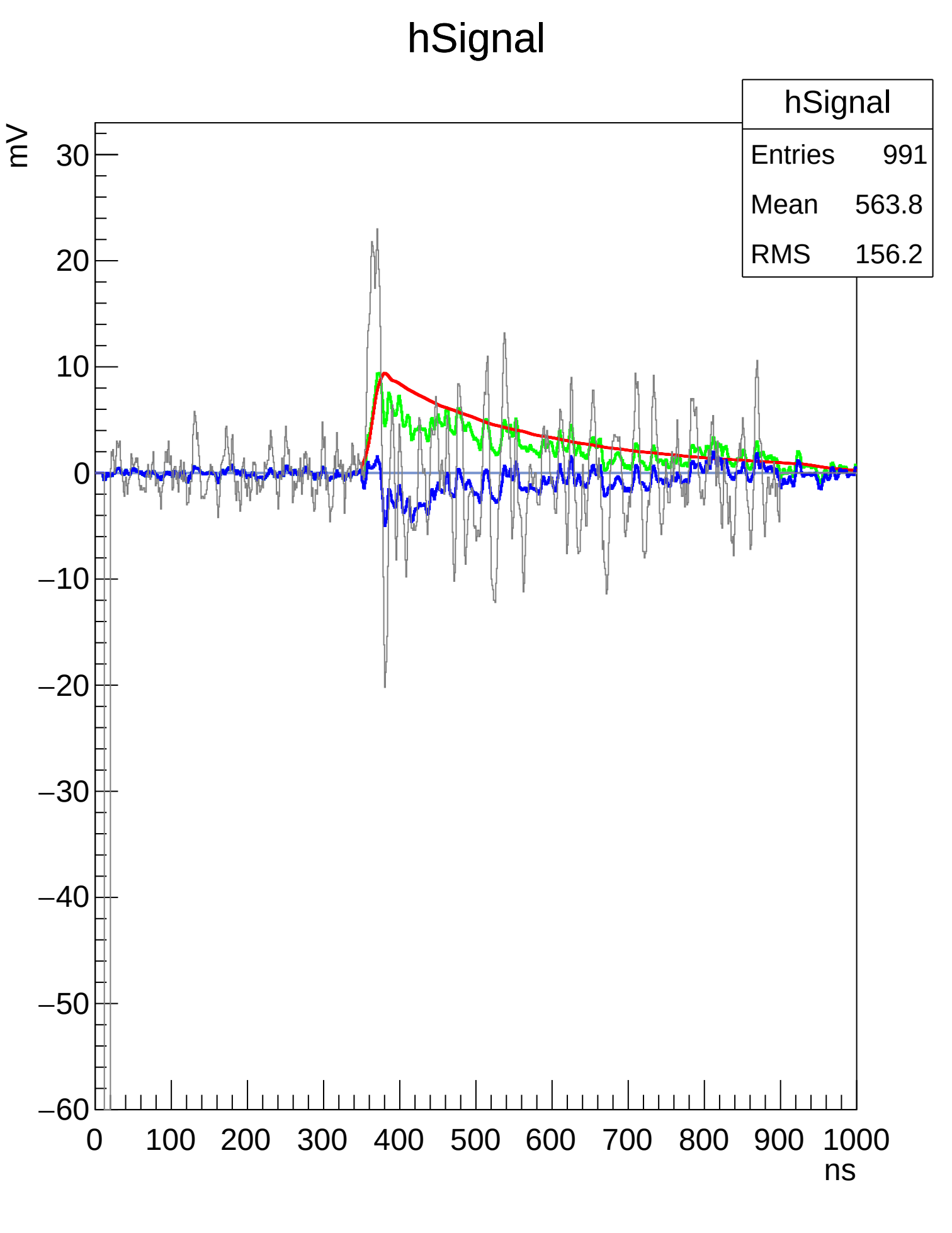
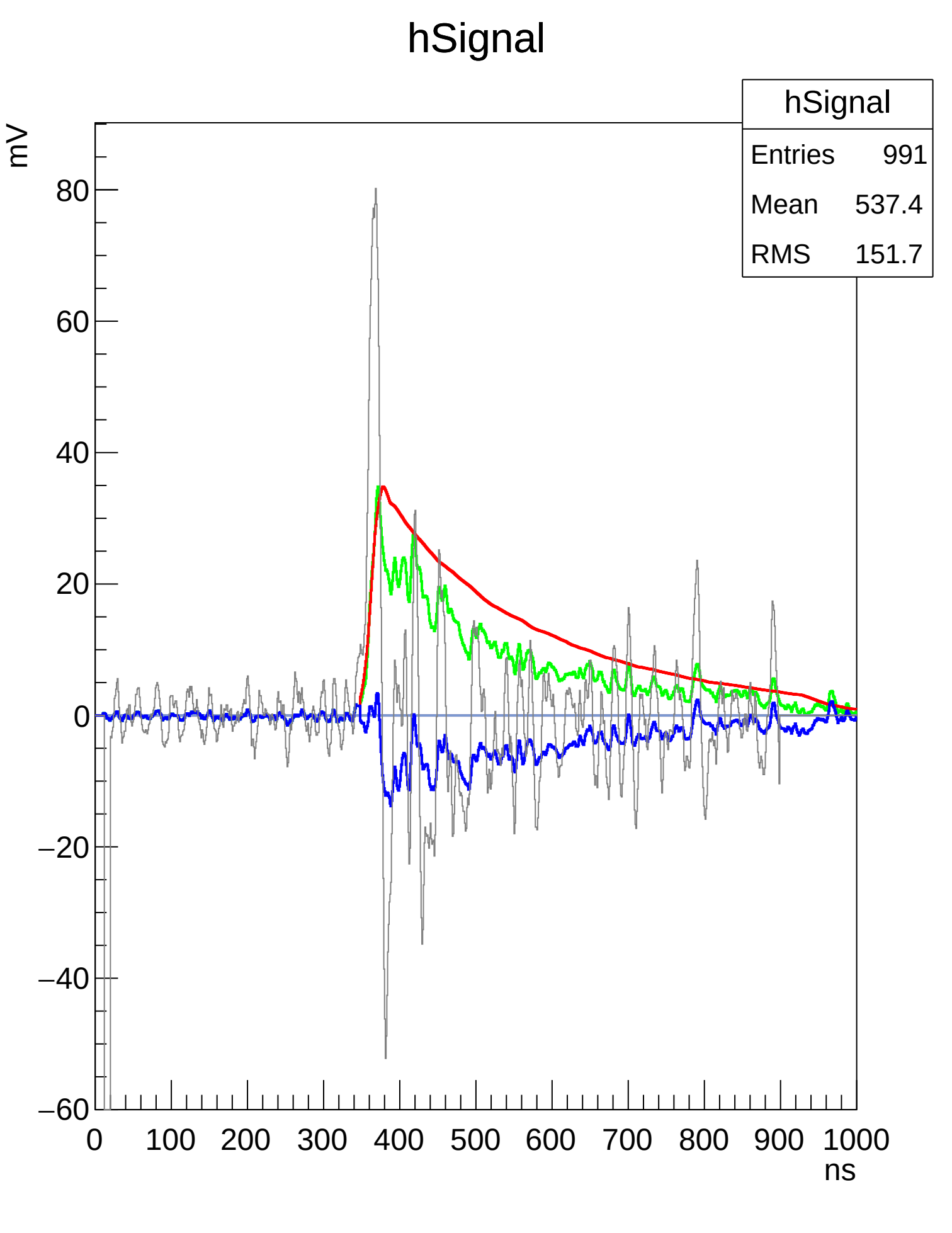
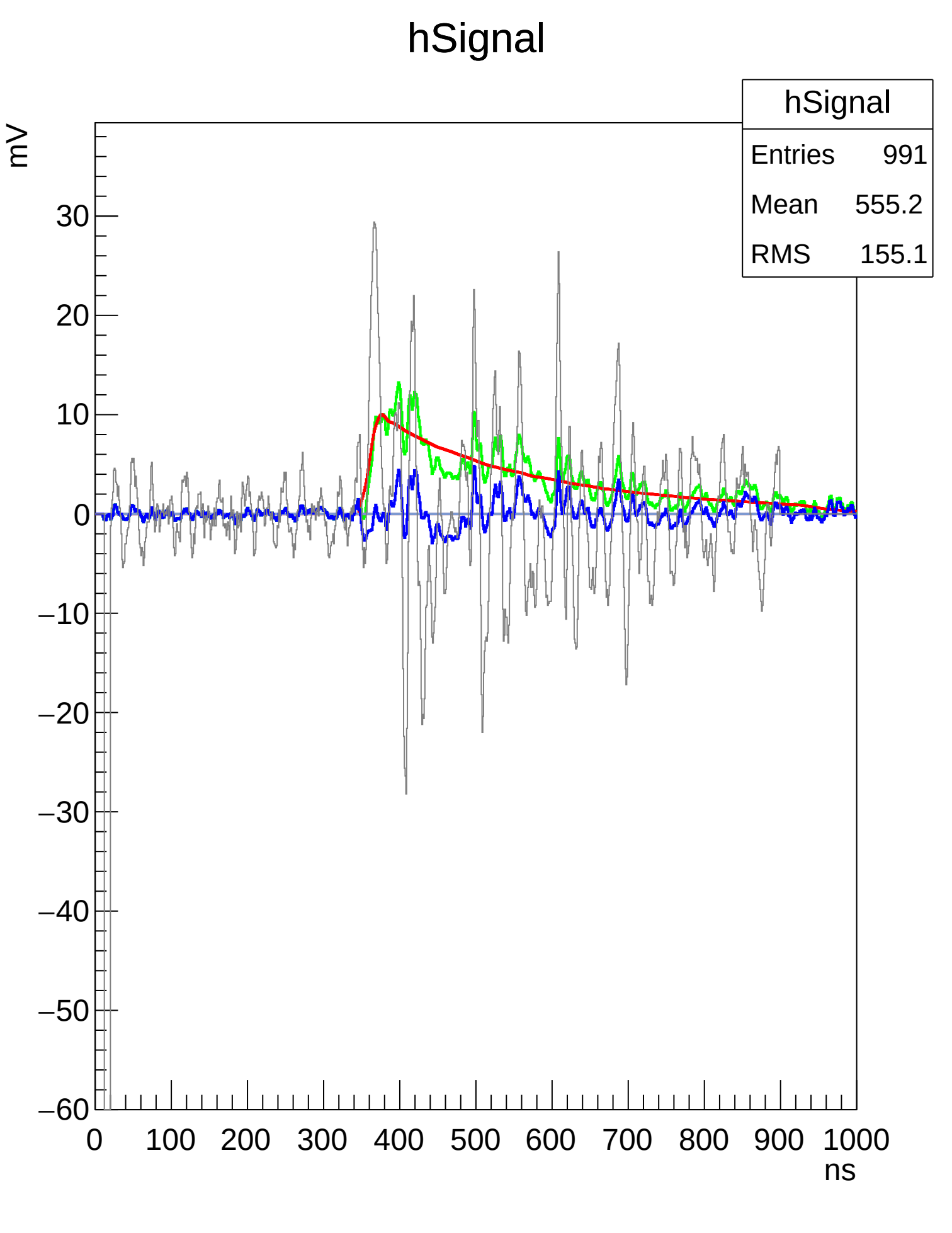
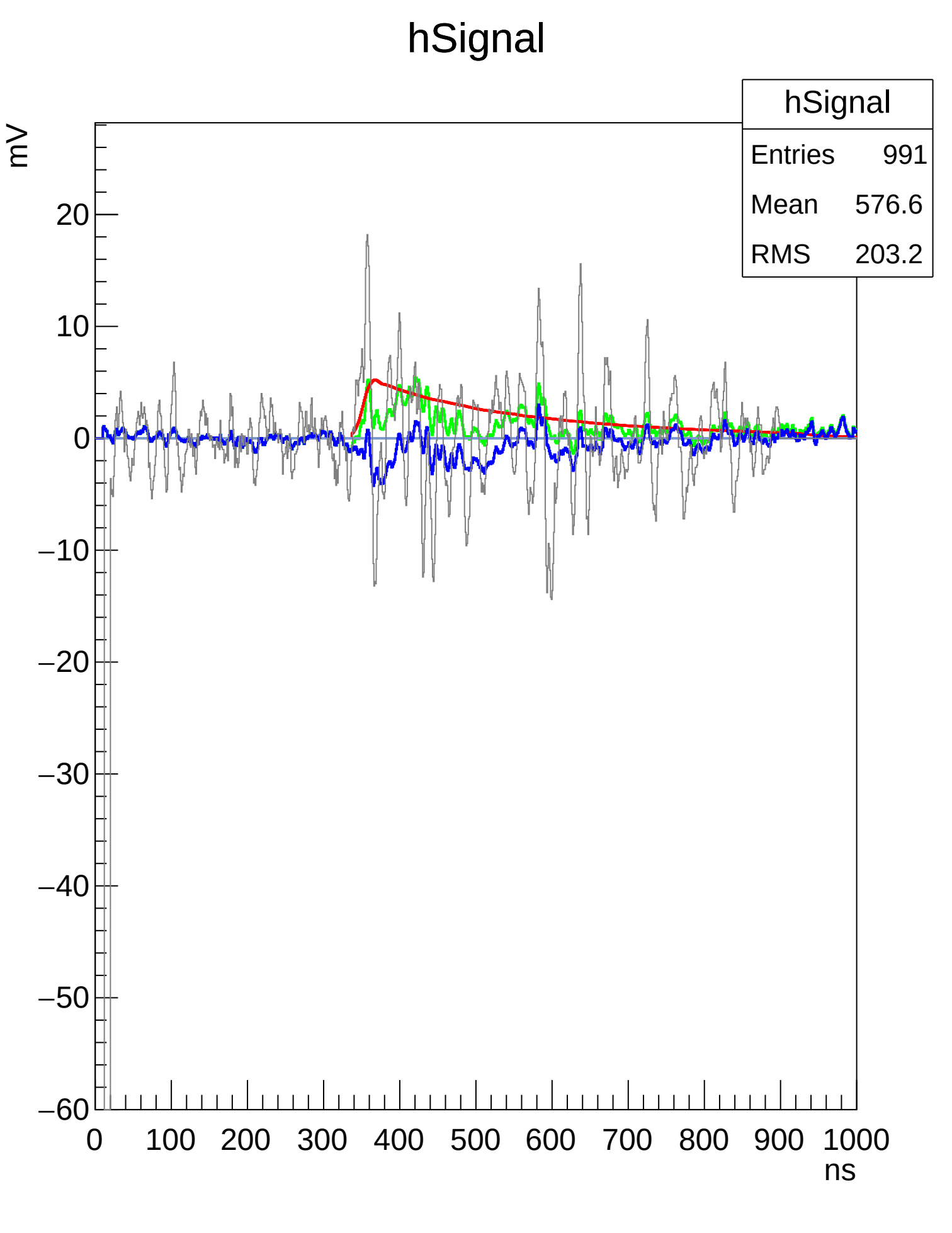
600
700
800
900
1000
ns

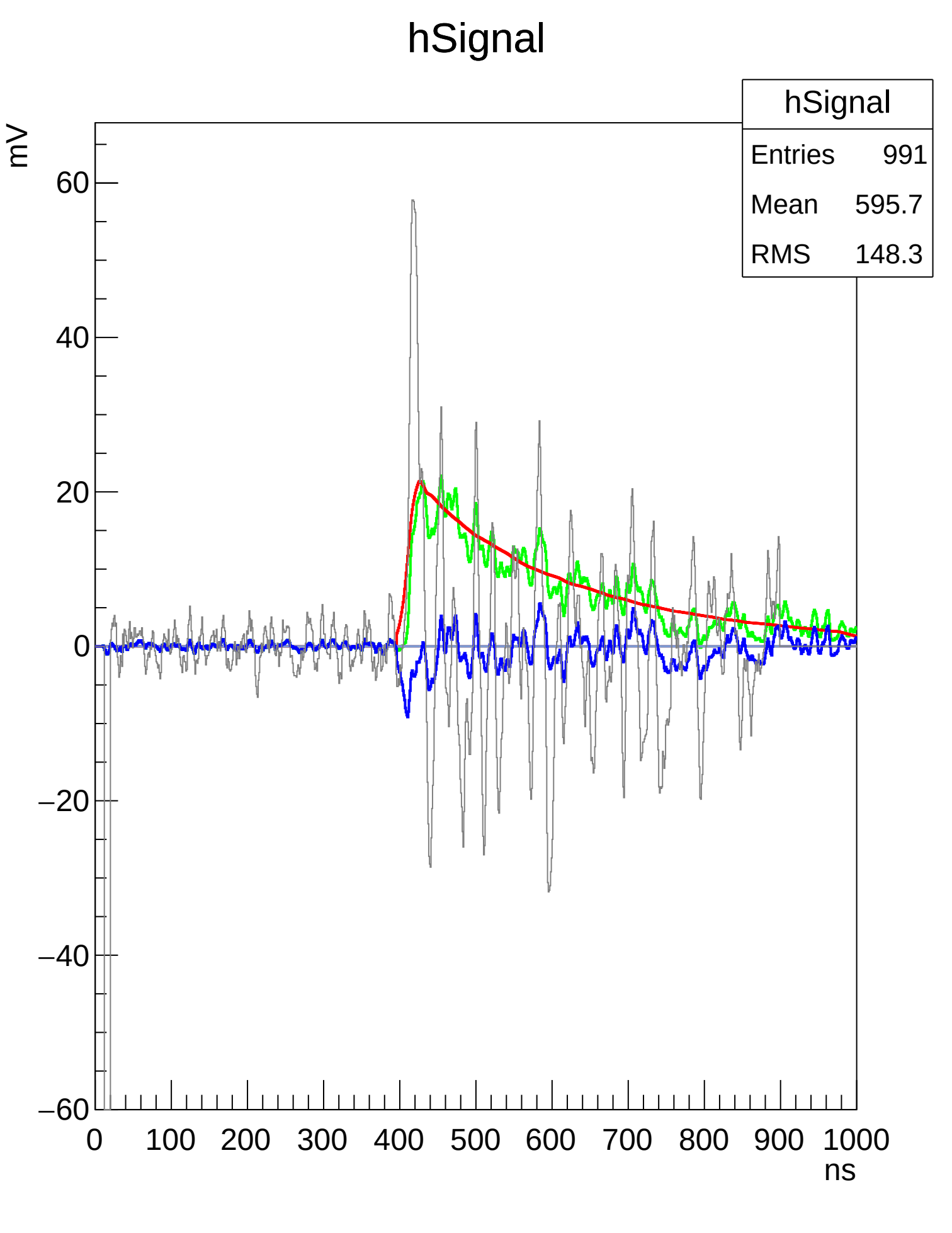

hSignal
hSignal
Entries 991
Mean 538.5
RMS 157.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

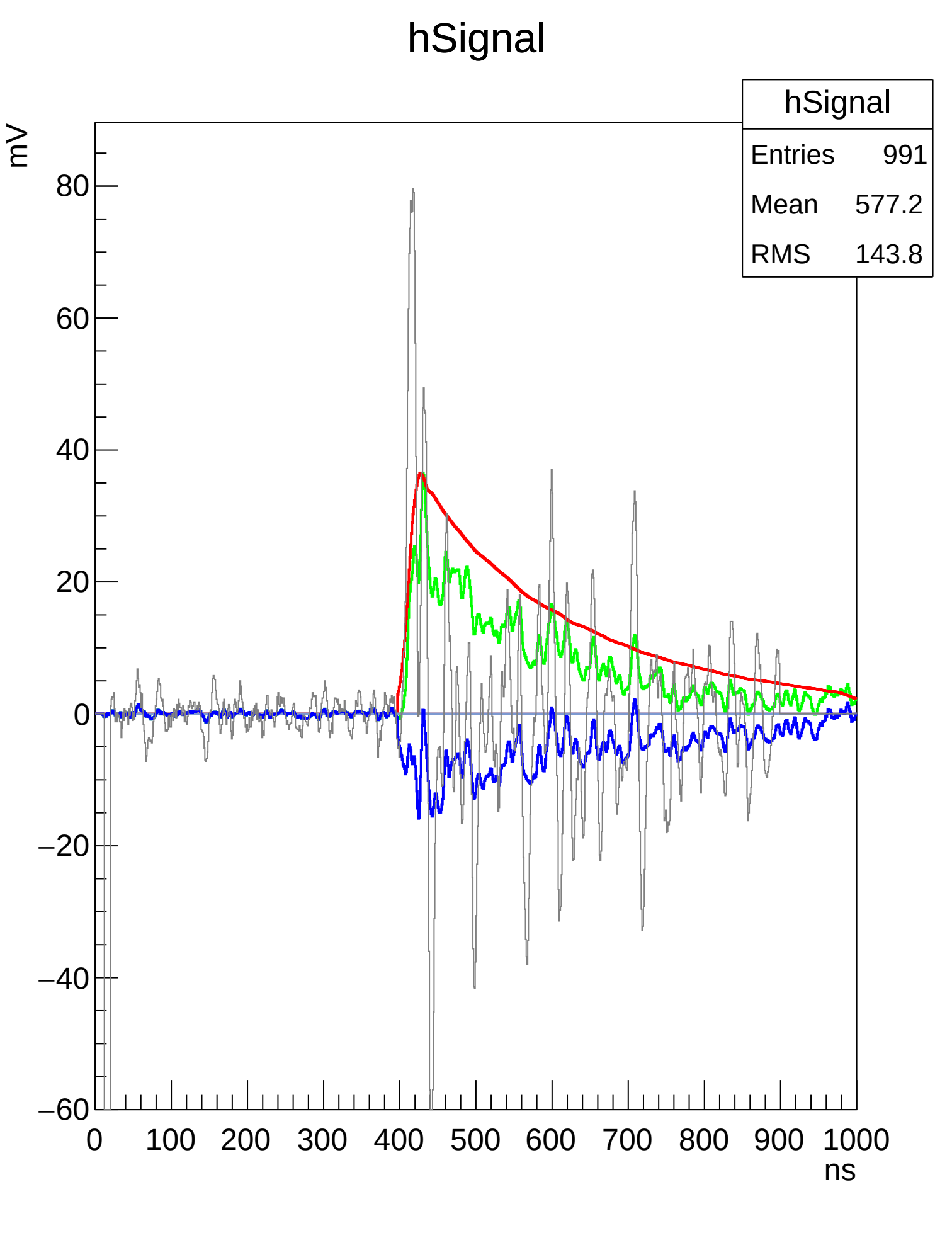

hSignal
hSignal
Entries 991
Mean 563.8
RMS 156.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

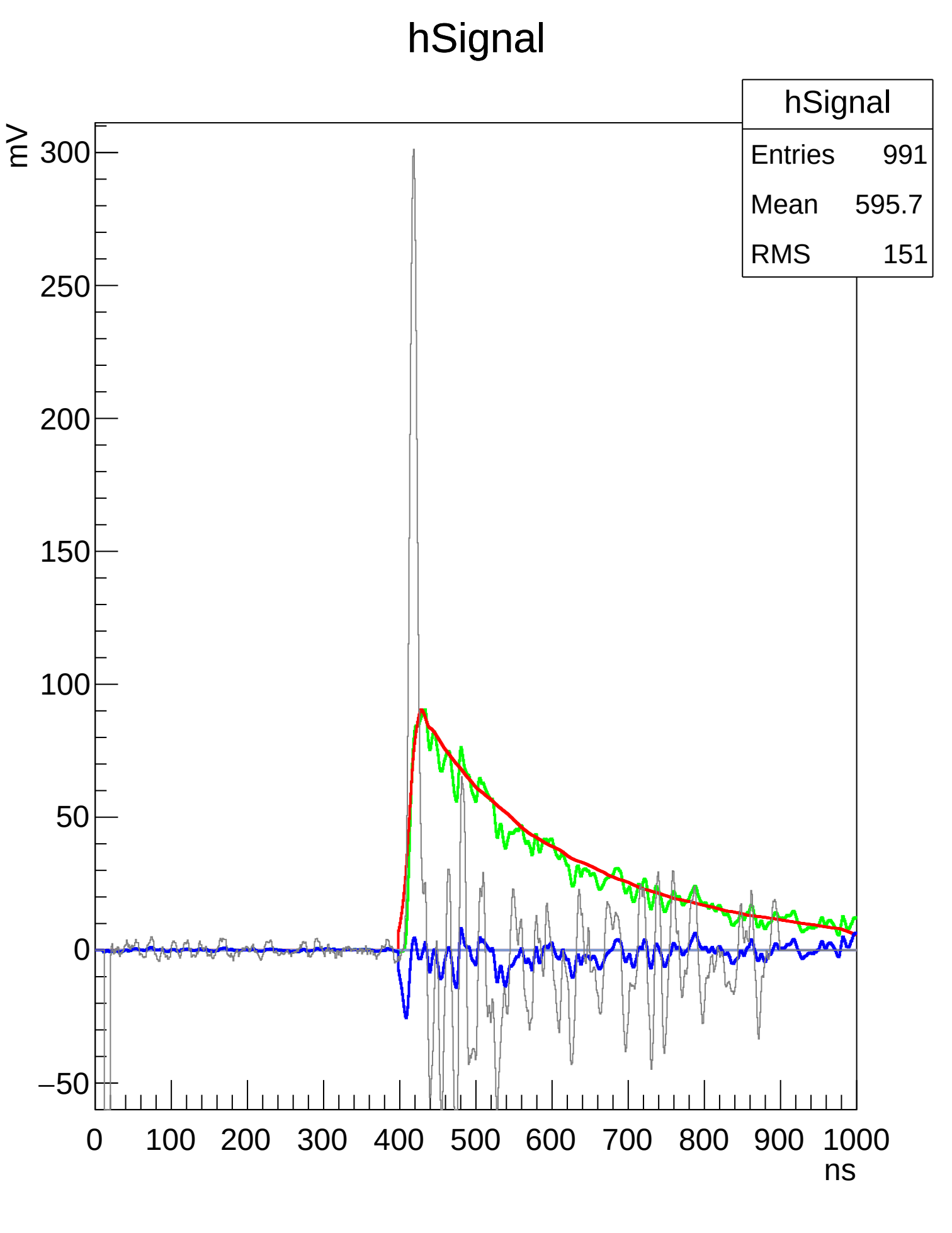

hSignal
hSignal
Entries 991
Mean 537.4
RMS 151.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

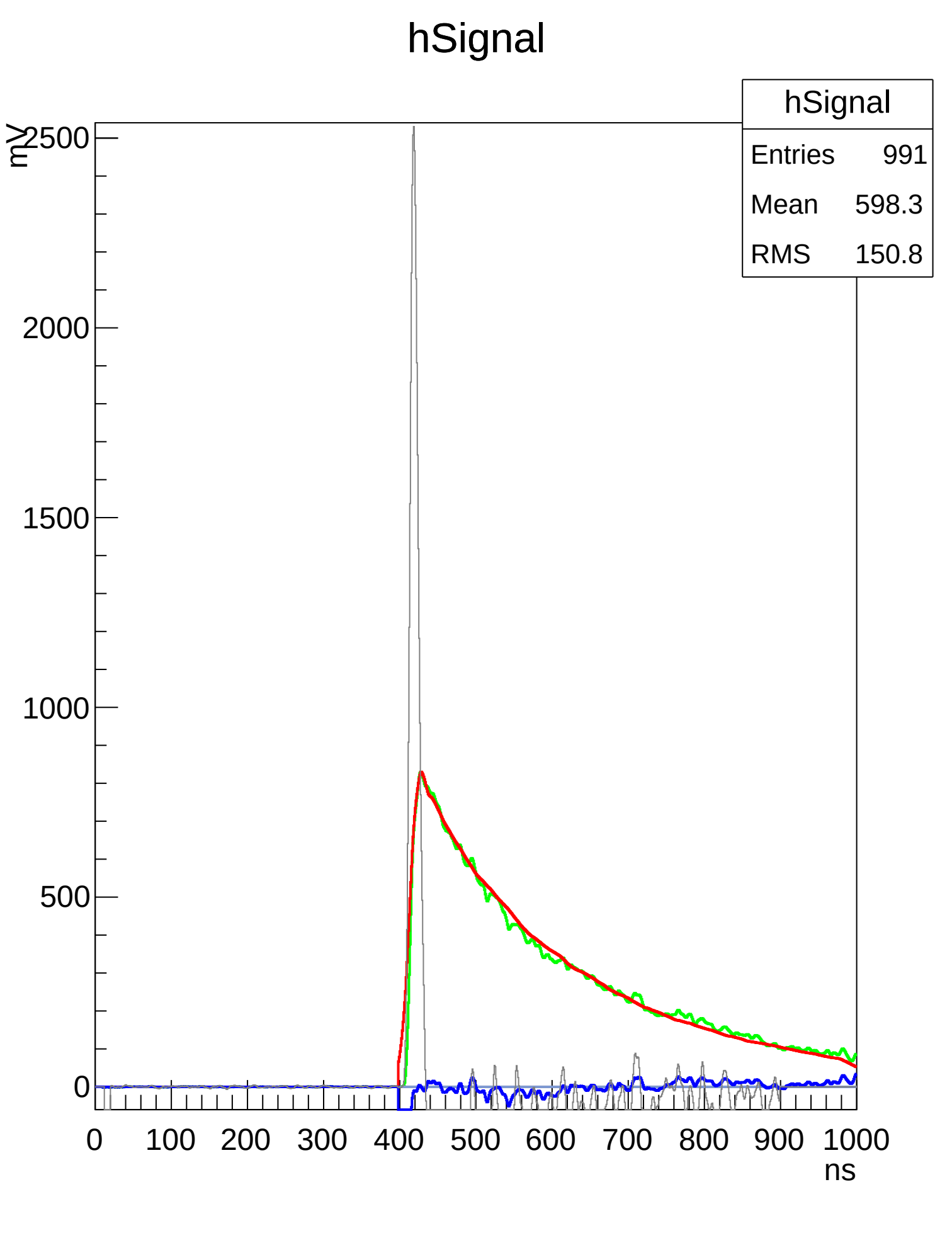

hSignal
hSignal
Entries 991
Mean 555.2
RMS 155.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

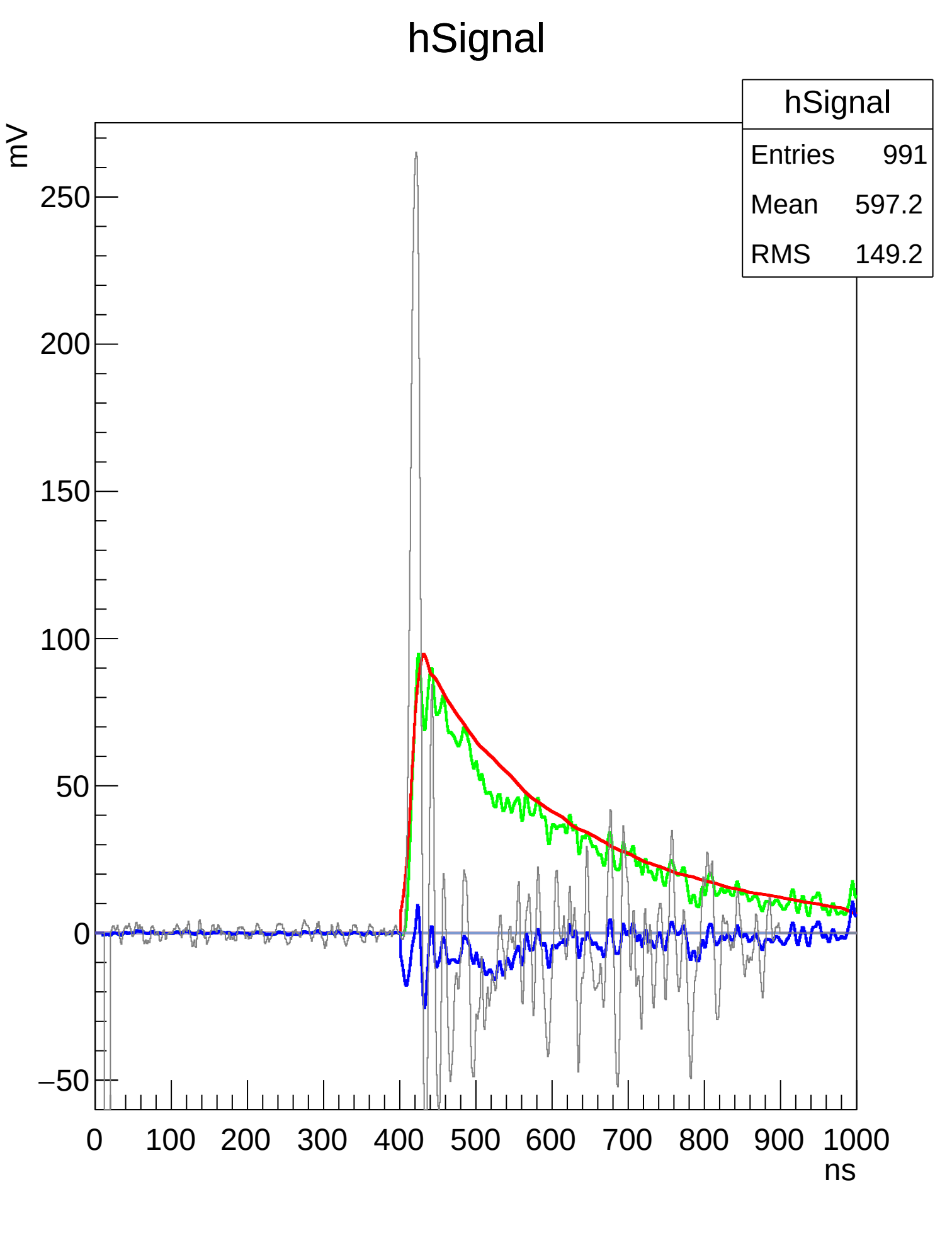

hSignal
hSignal
Entries 991
Mean 576.6
RMS 203.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

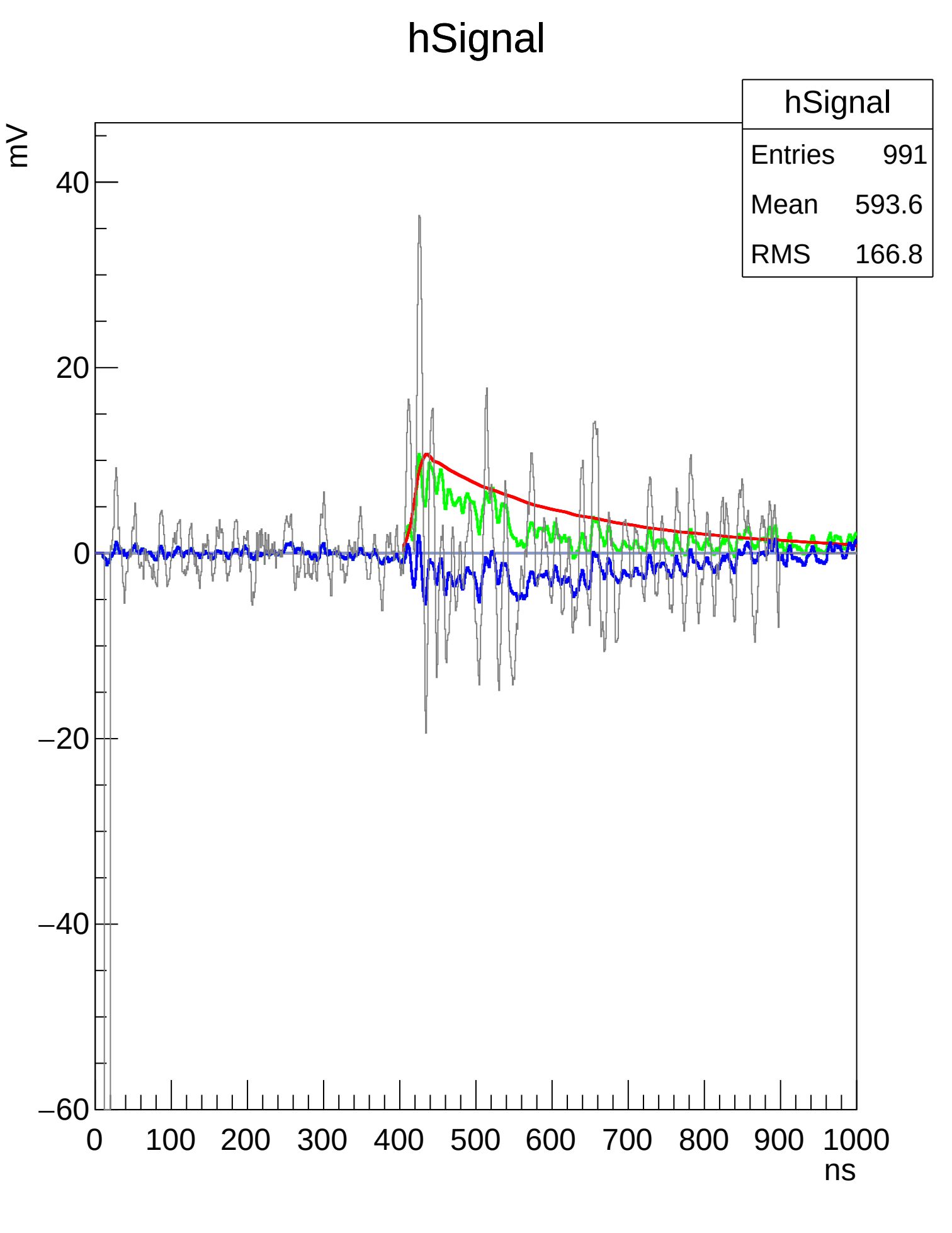

hSignal
hSignal
Entries 991
Mean 595.7
RMS 148.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.2
RMS 143.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.7
RMS 151
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.3
RMS 150.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.2
RMS 149.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 166.8
mV
40
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0
−20
−40
−60
0
100
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600
700
800
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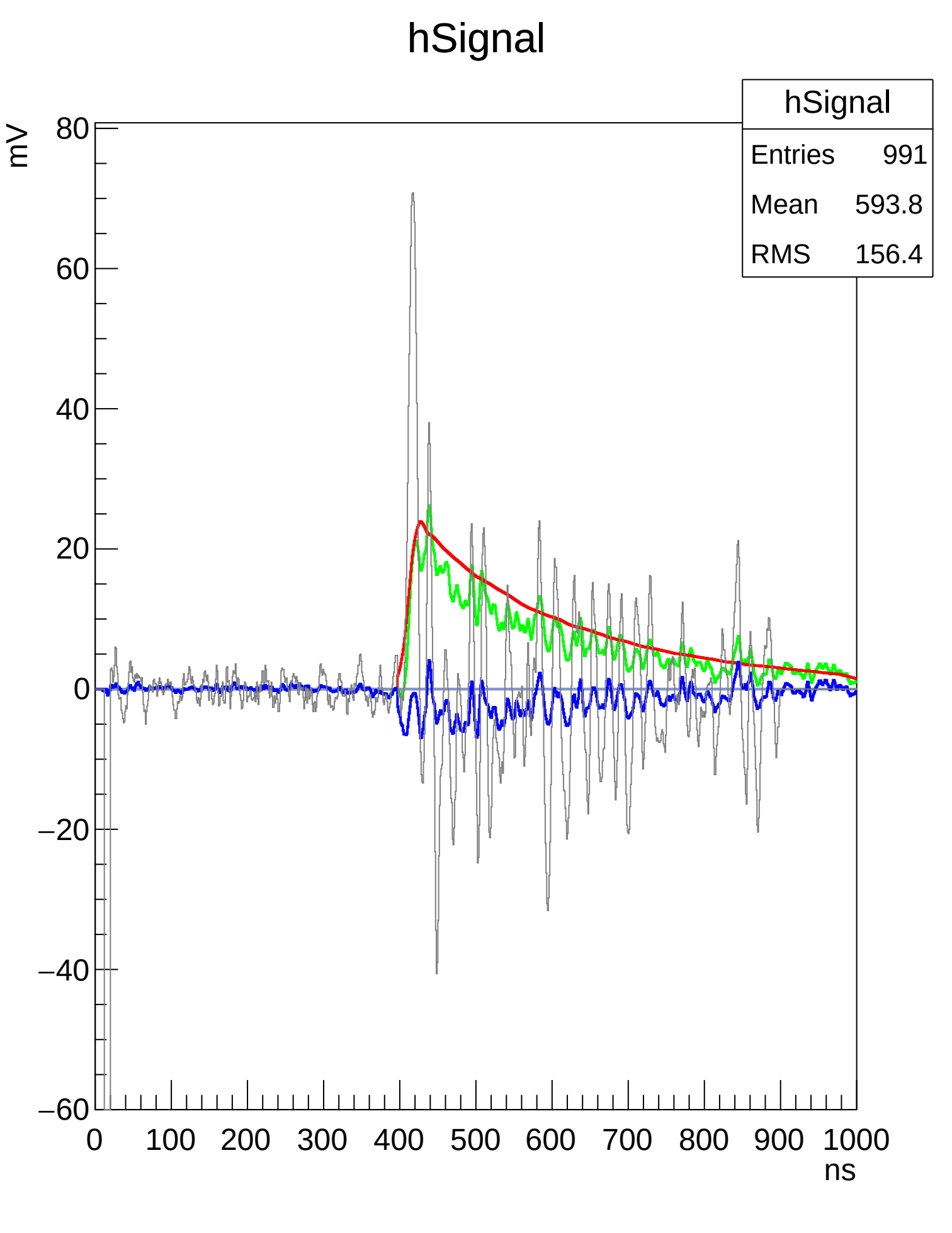
1000
ns


hSignal
hSignal
Entries 991
Mean 593.8
RMS 156.4
mV
80
60
40
20
0
−20
−40
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0
100
200
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400
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600
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800
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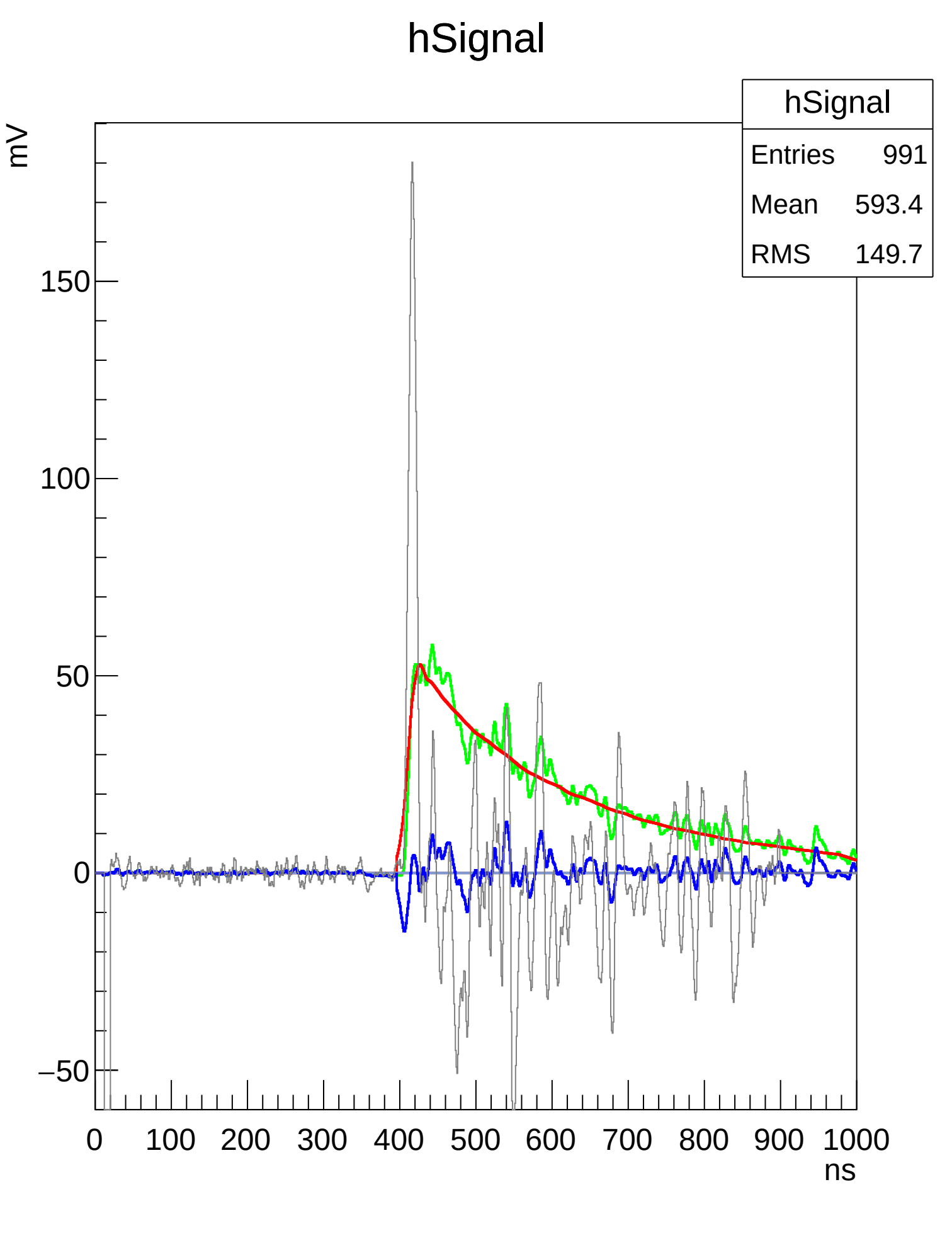
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 149.7
mV
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100
50
0
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0
100
200
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800
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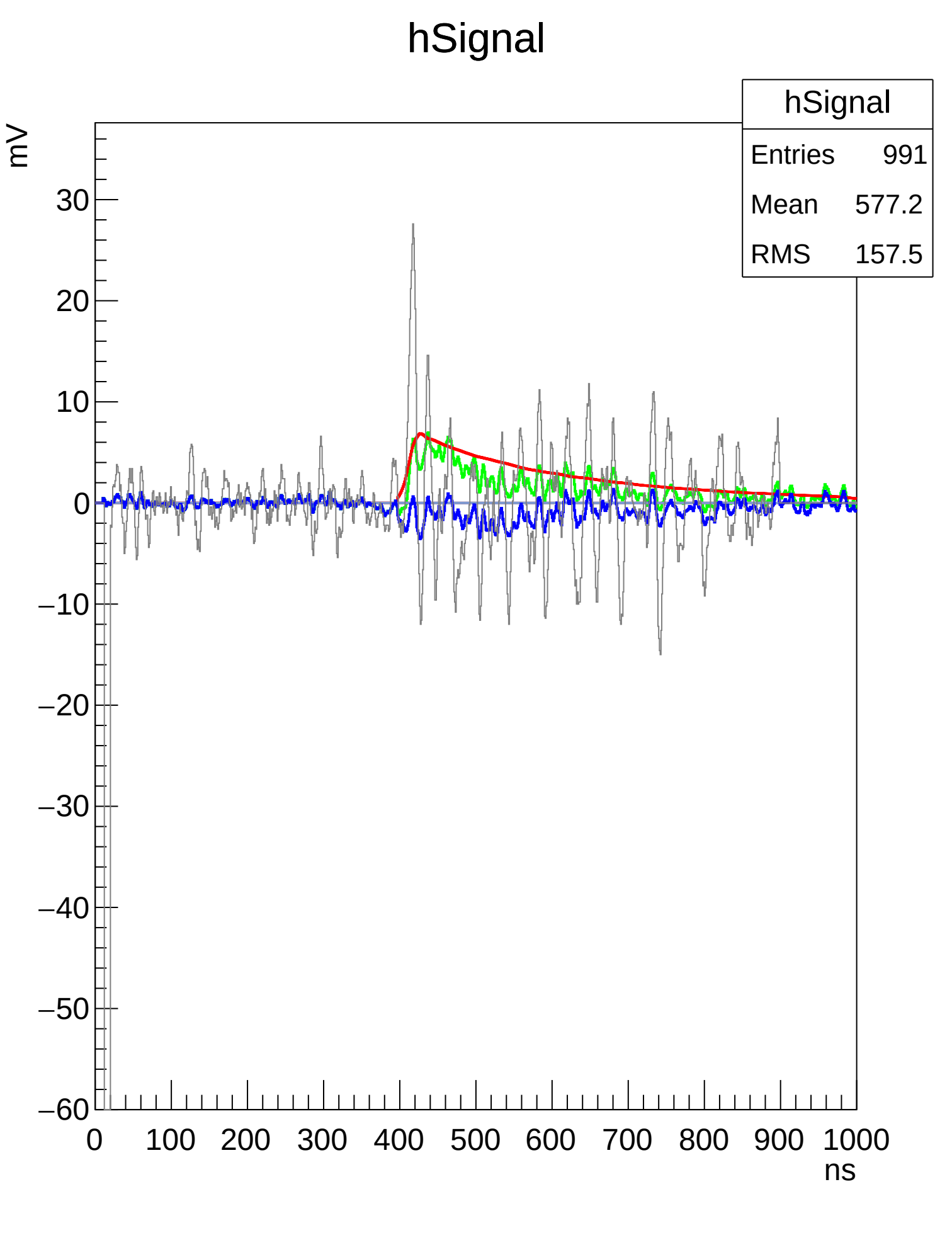
1000
ns


hSignal
hSignal
Entries 991
Mean 577.2
RMS 157.5
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
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400
500
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700
800
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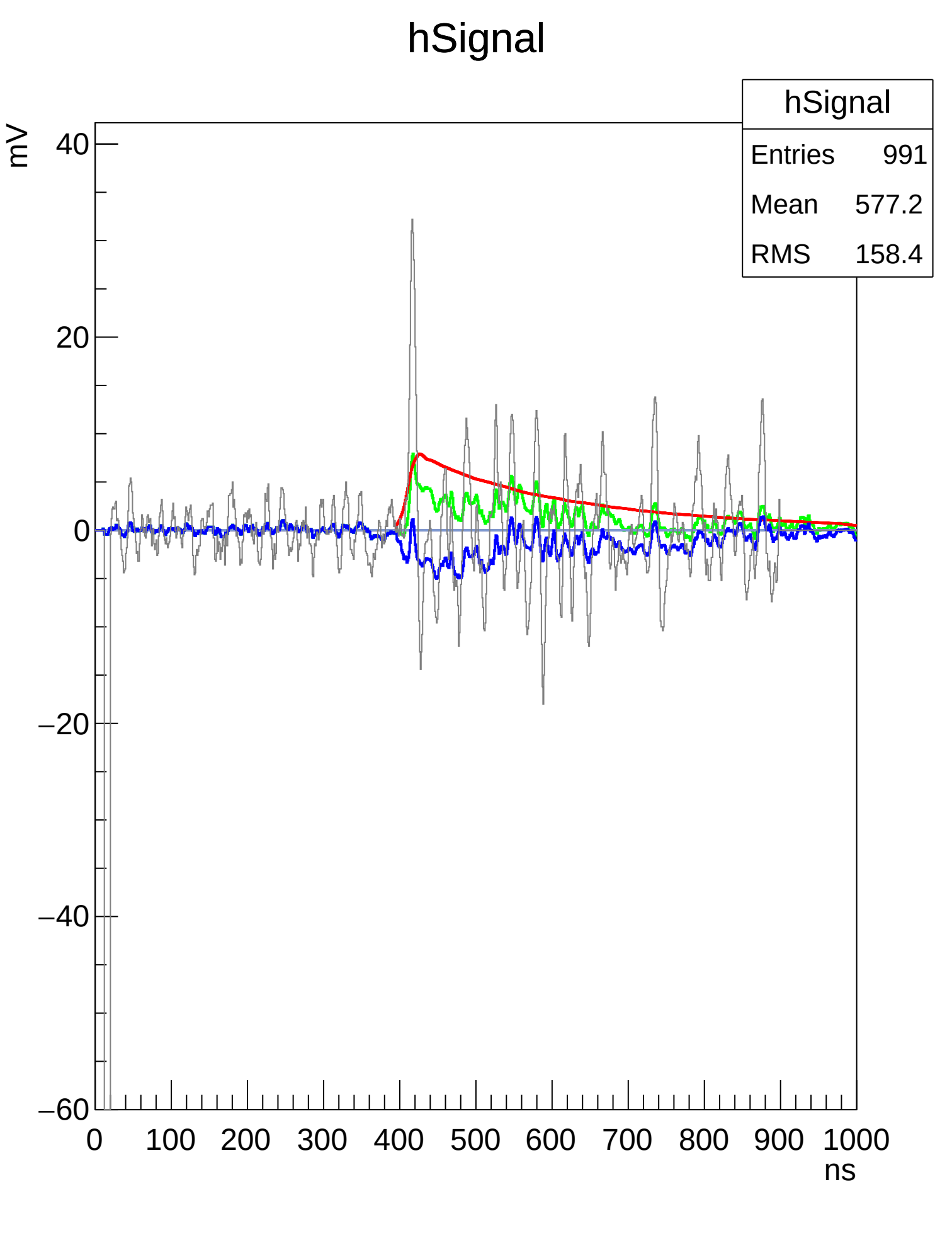
1000
ns


hSignal
hSignal
Entries 991
Mean 577.2
RMS 158.4
mV
40
20
0
−20
−40
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0
100
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600
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800
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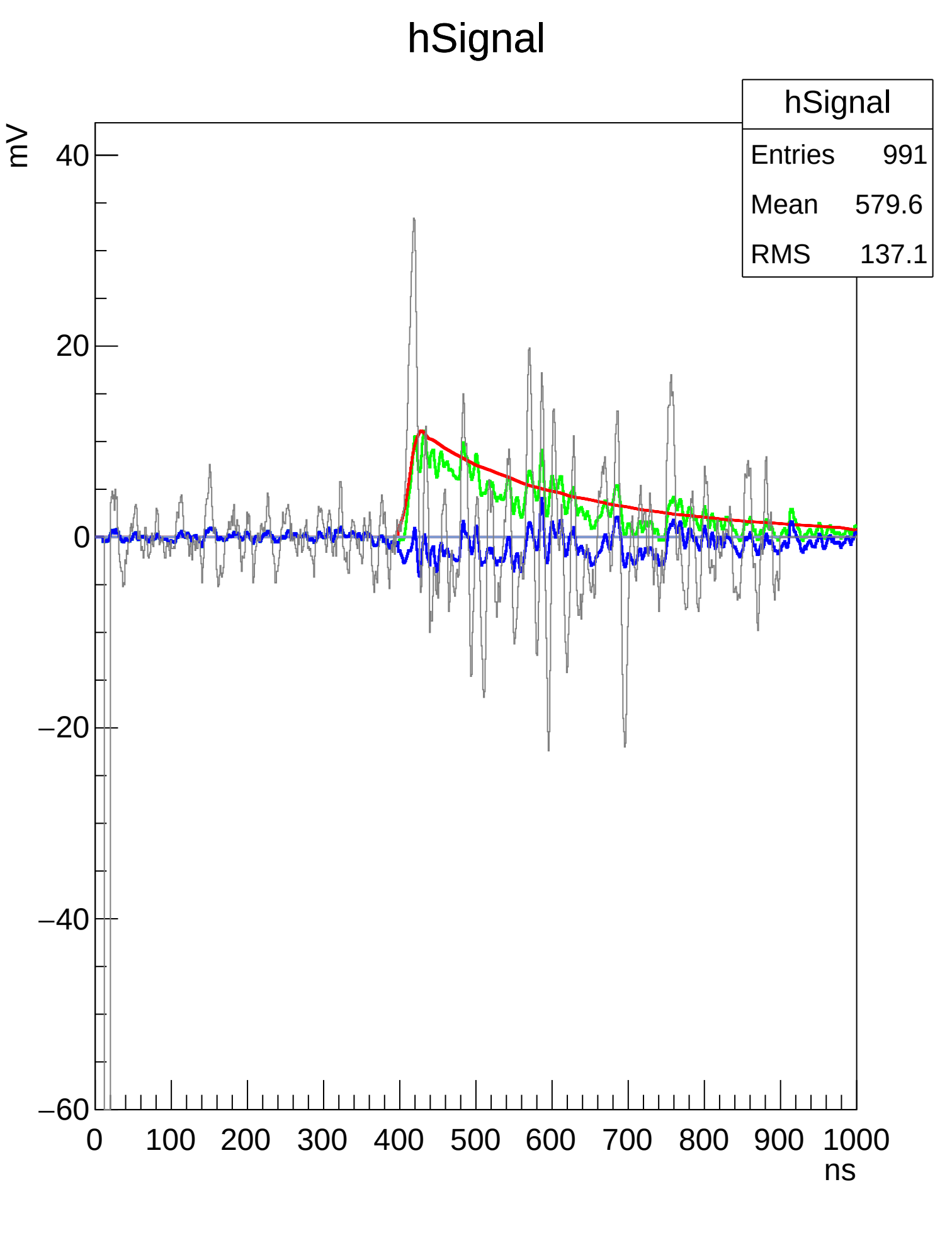
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 137.1
mV
40
20
0
−20
−40
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0
100
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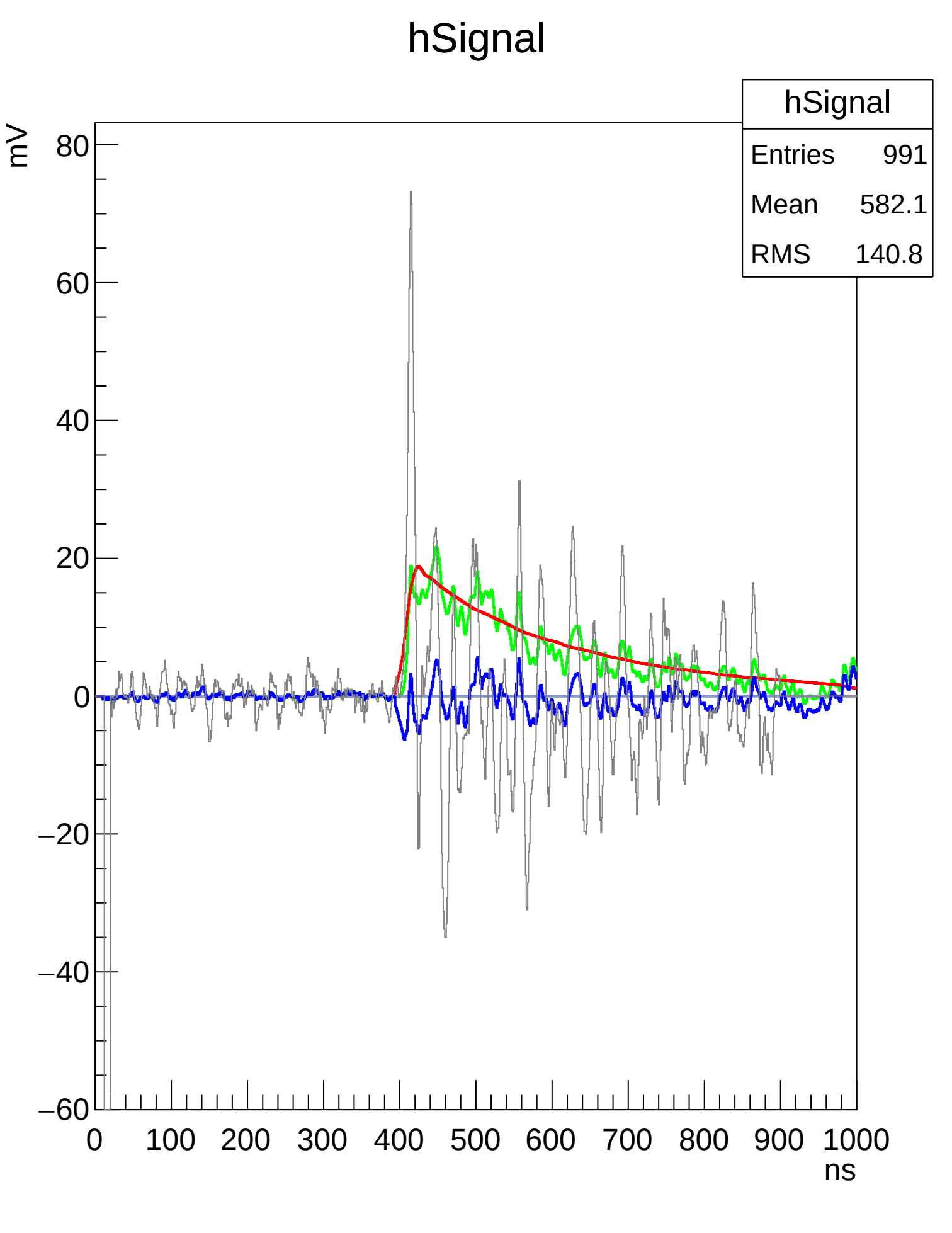
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.1
RMS 140.8
mV
80
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−20
−40
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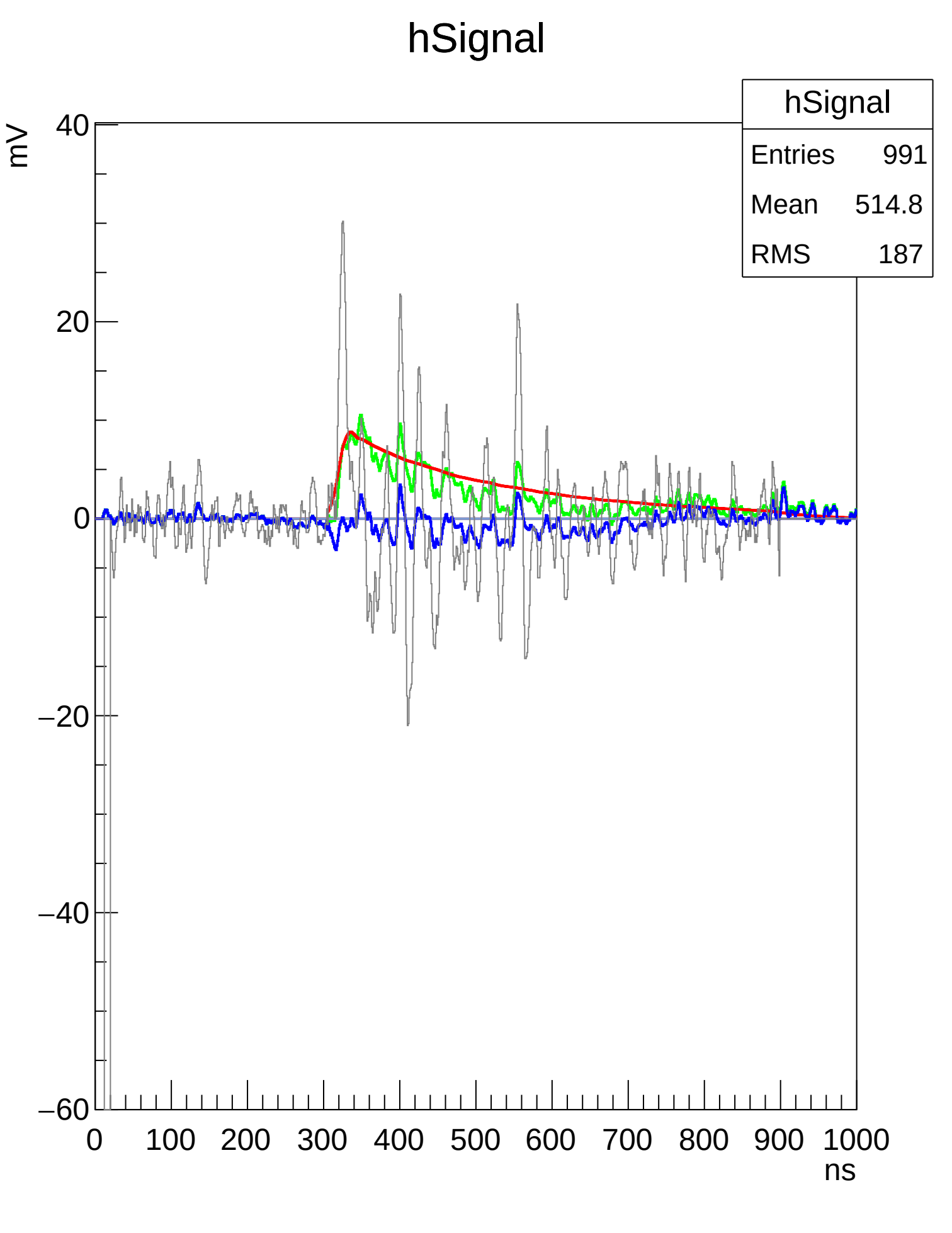
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.8
RMS 187
mV
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−20
−40
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100
200
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600
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800
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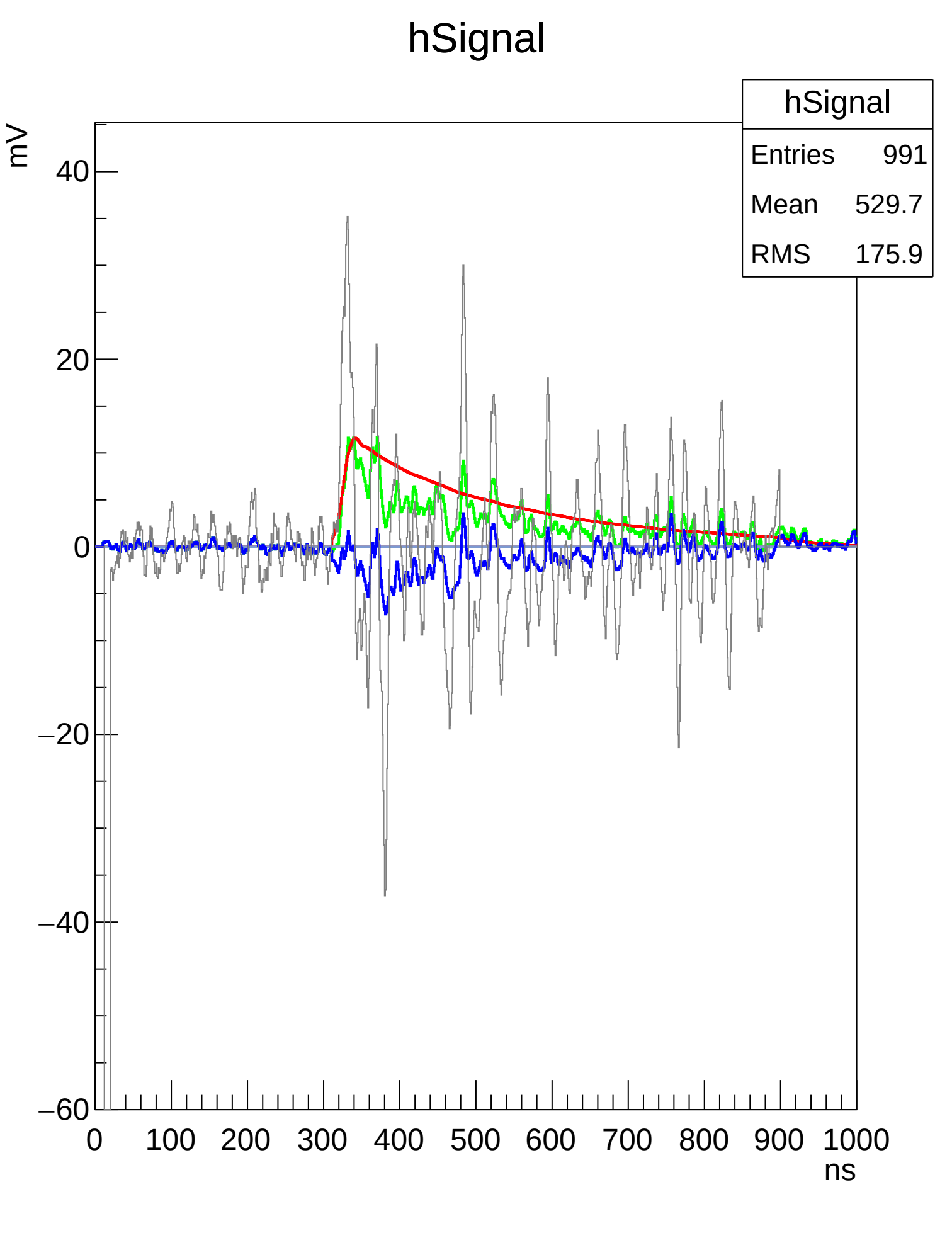
1000
ns


hSignal
hSignal
Entries 991
Mean 529.7
RMS 175.9
mV
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−20
−40
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0
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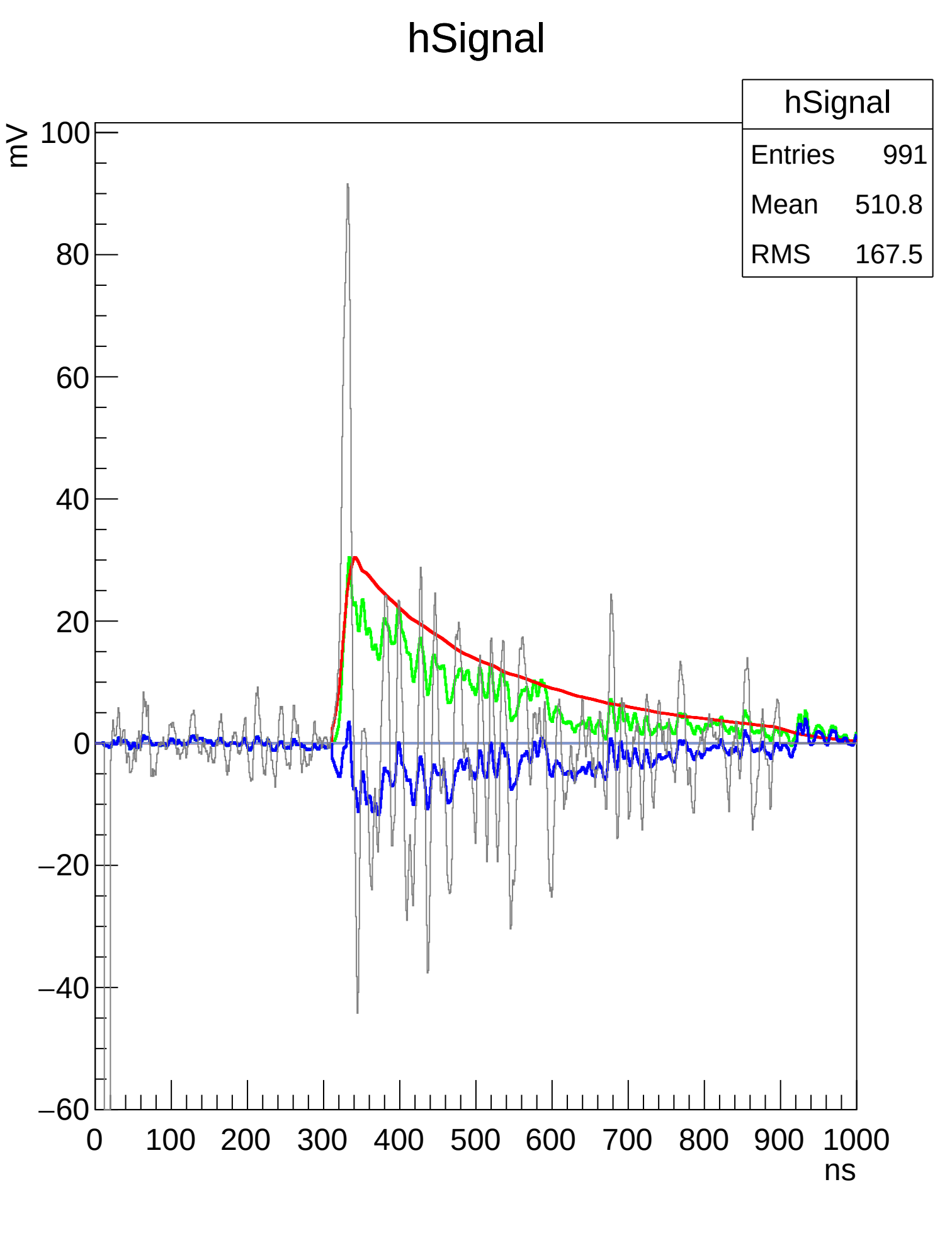
1000
ns


hSignal
hSignal
Entries 991
Mean 510.8
RMS 167.5
mV
100
80
60
40
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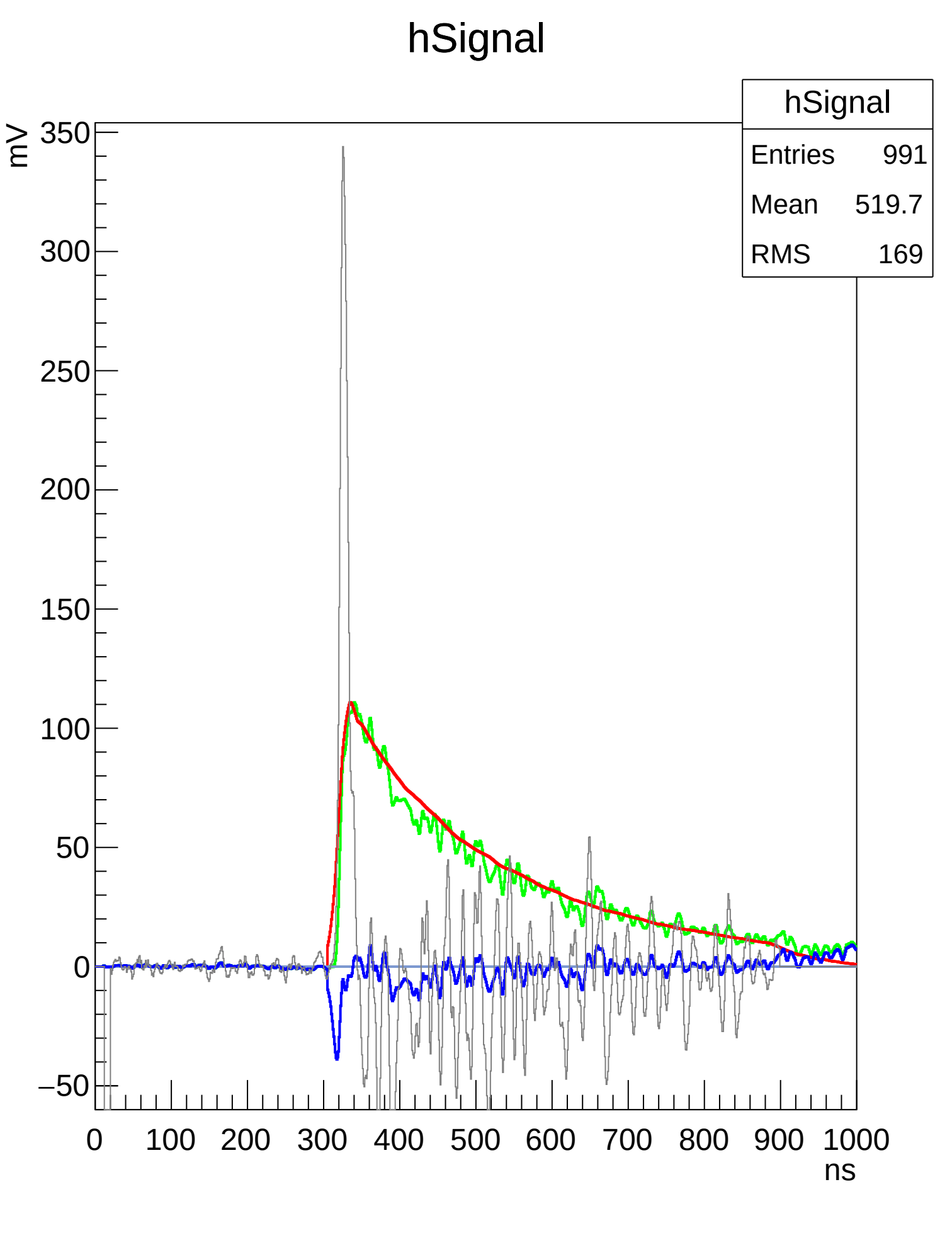
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.7
RMS 169
mV
350
300
250
200
150
100
50
0
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0
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200
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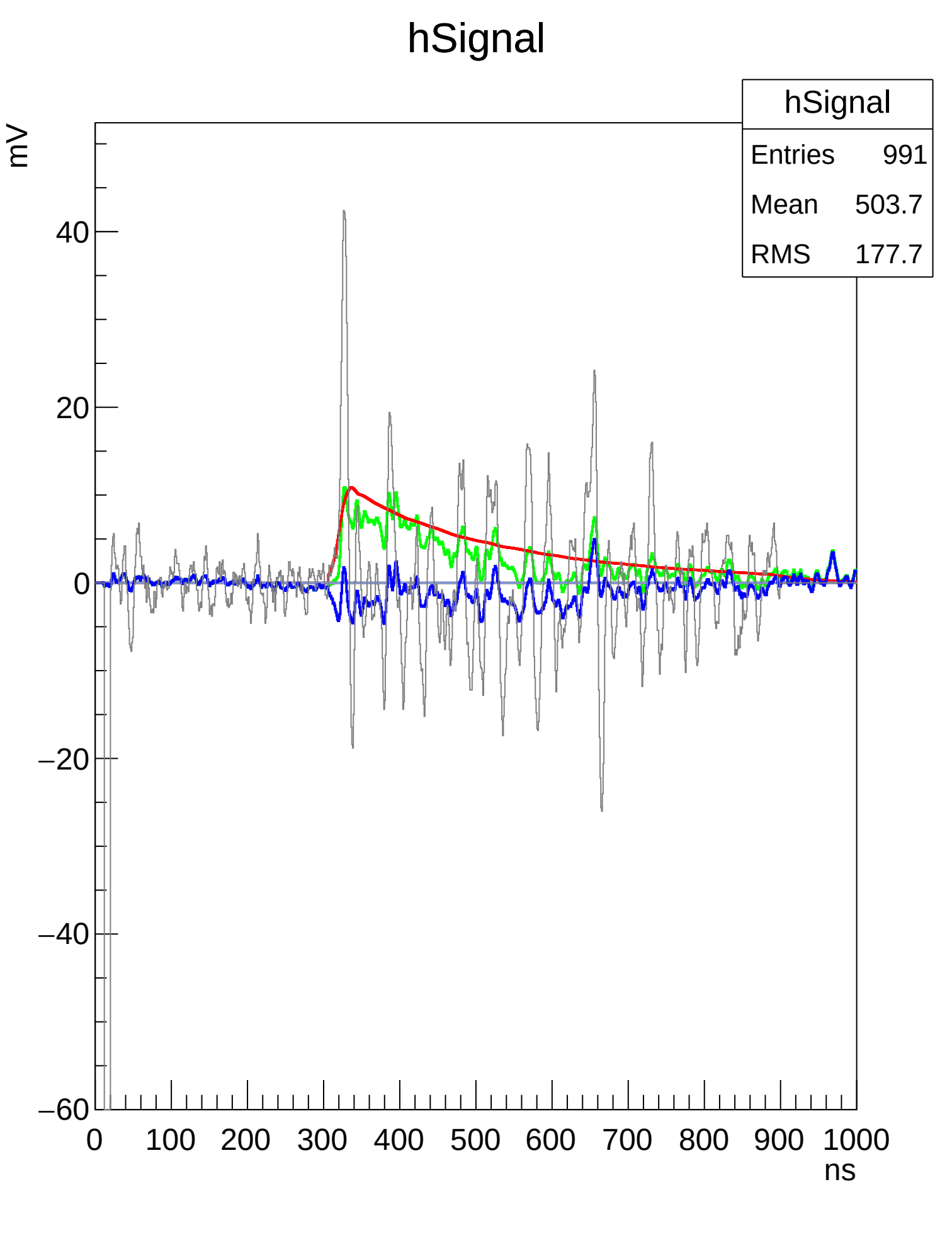
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.7
RMS 177.7
mV
40
20
0
−20
−40
−60
0
100
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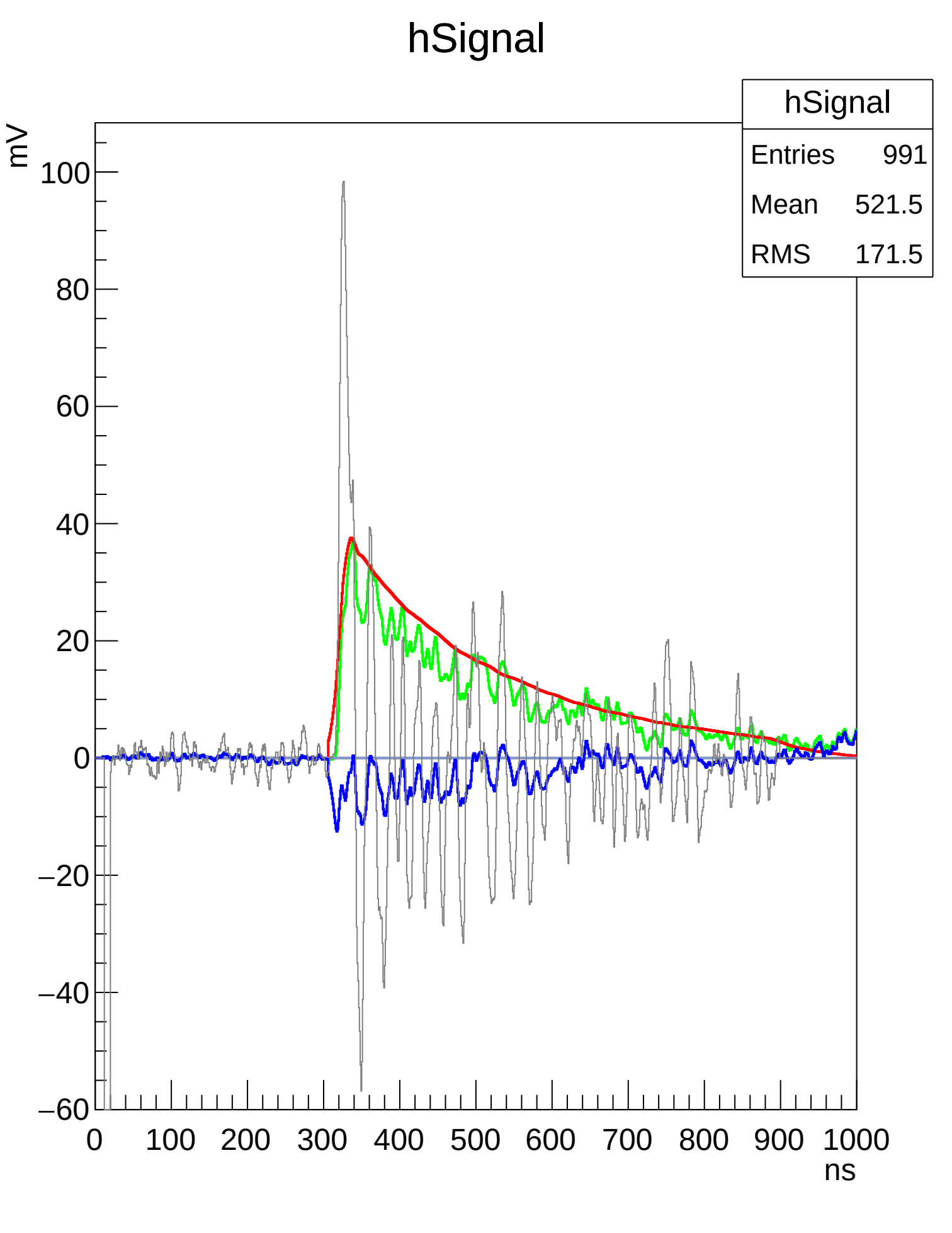
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.5
RMS 171.5
mV
100
80
60
40
20
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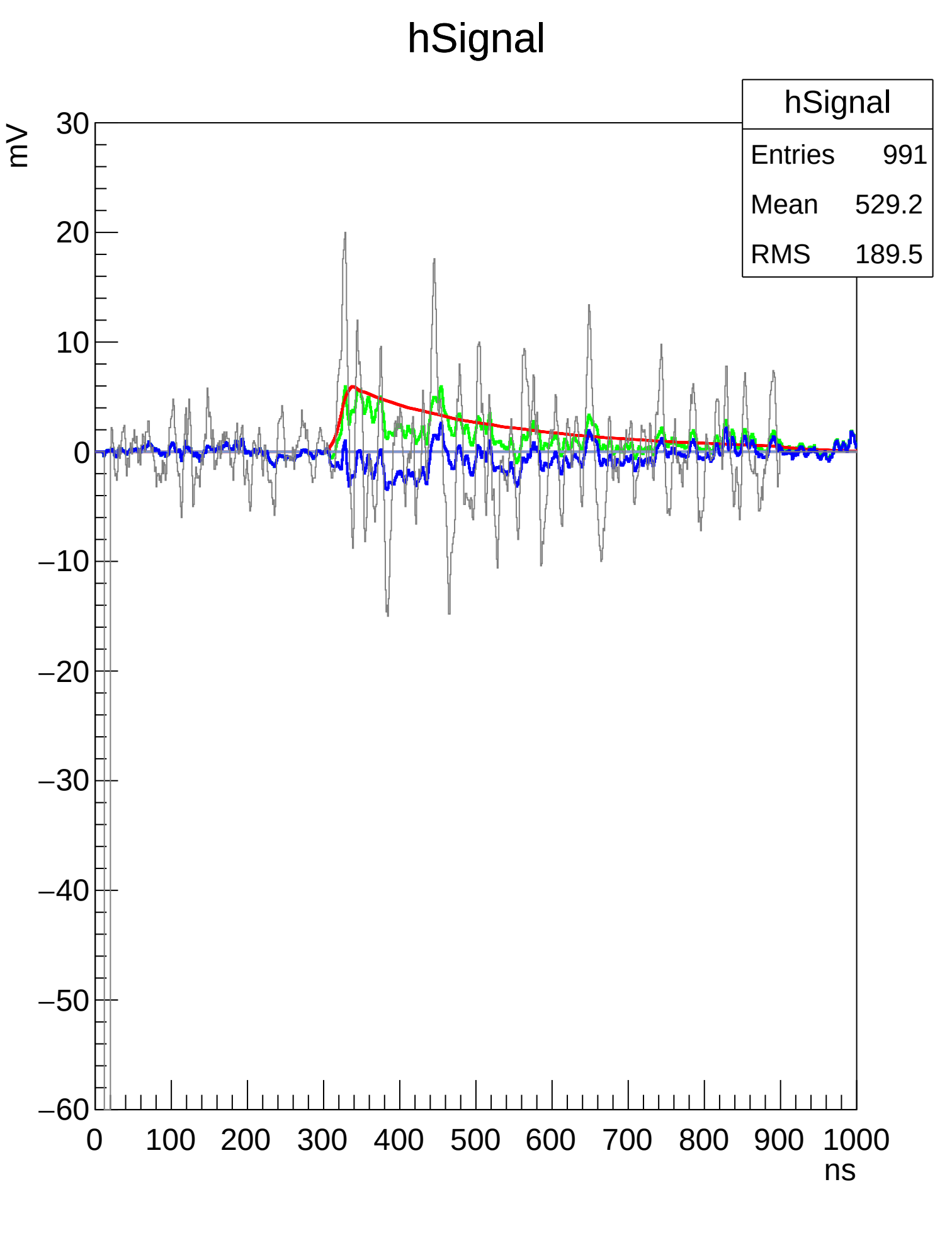
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.2
RMS 189.5
mV
30
20
10
0
−10
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−40
−50
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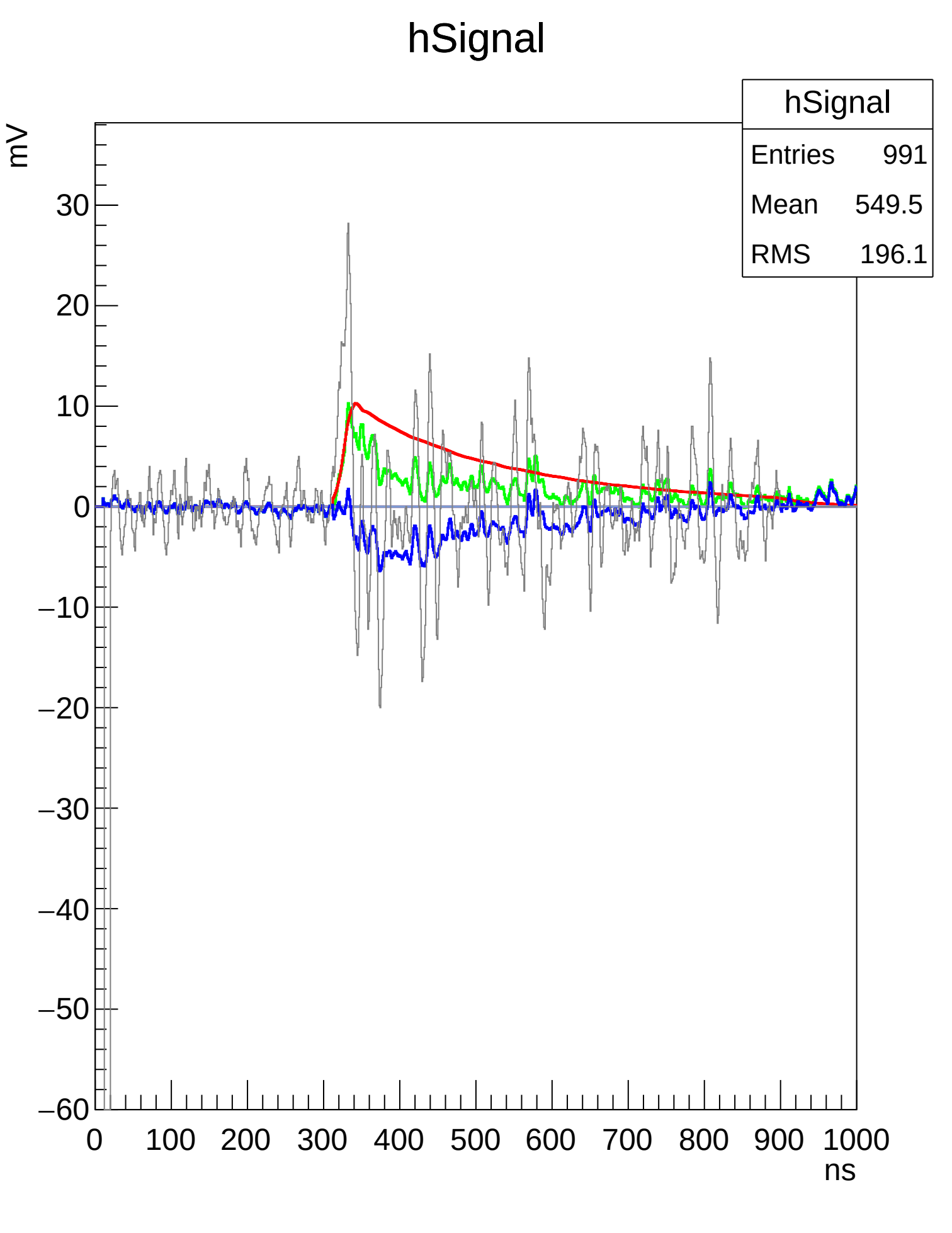
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.5
RMS 196.1
mV
30
20
10
0
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−40
−50
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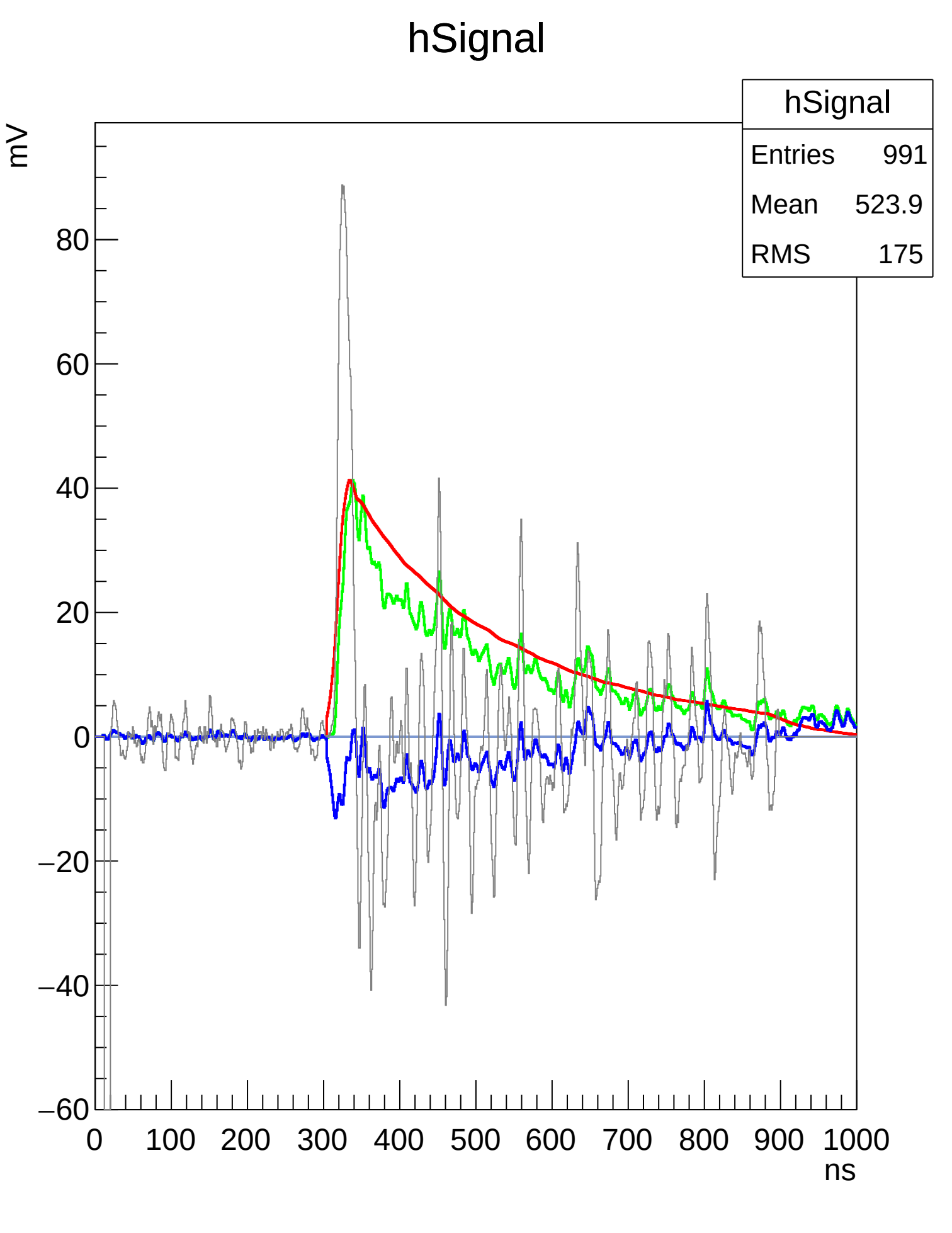
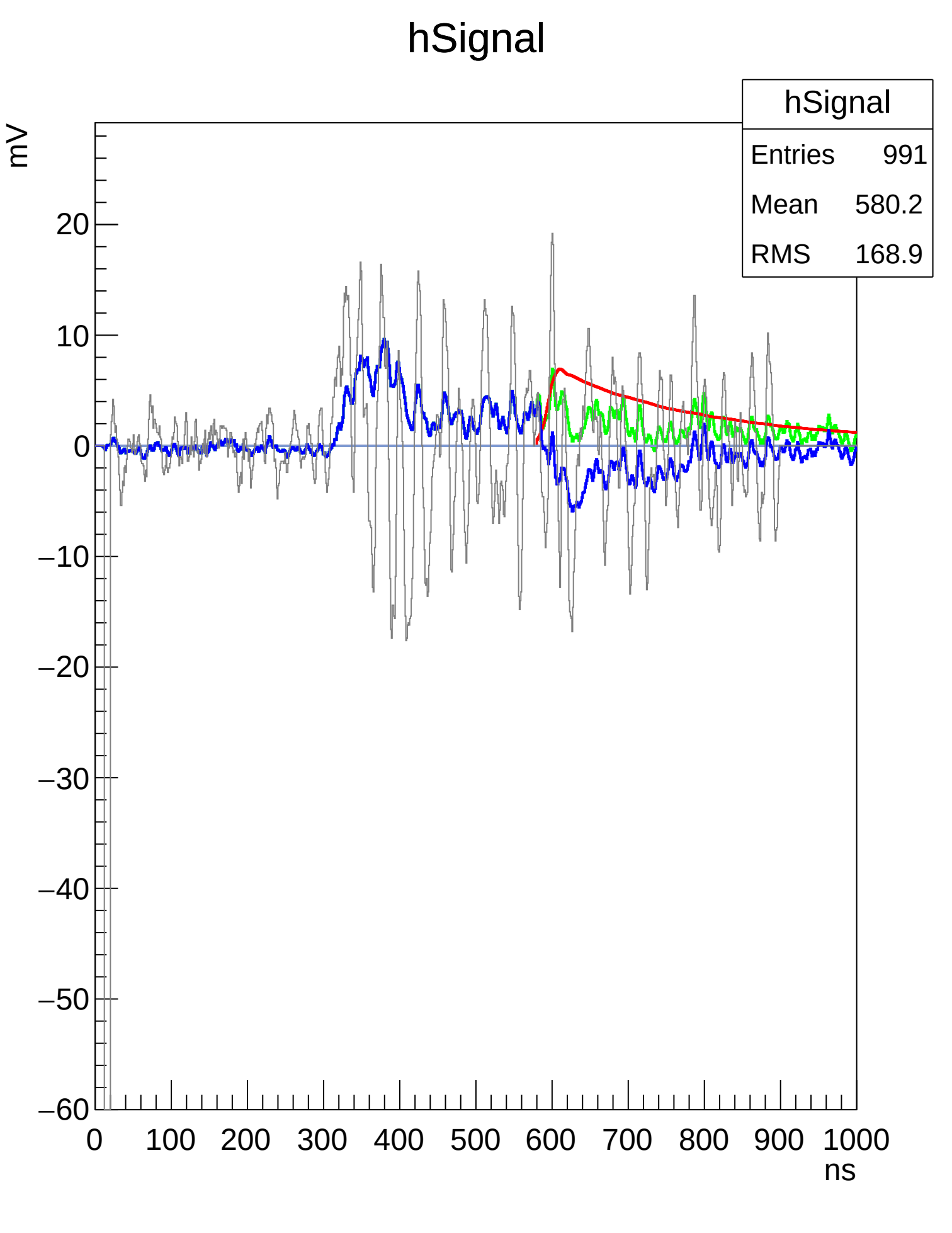
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.9
RMS 175
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.2
RMS 168.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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1000
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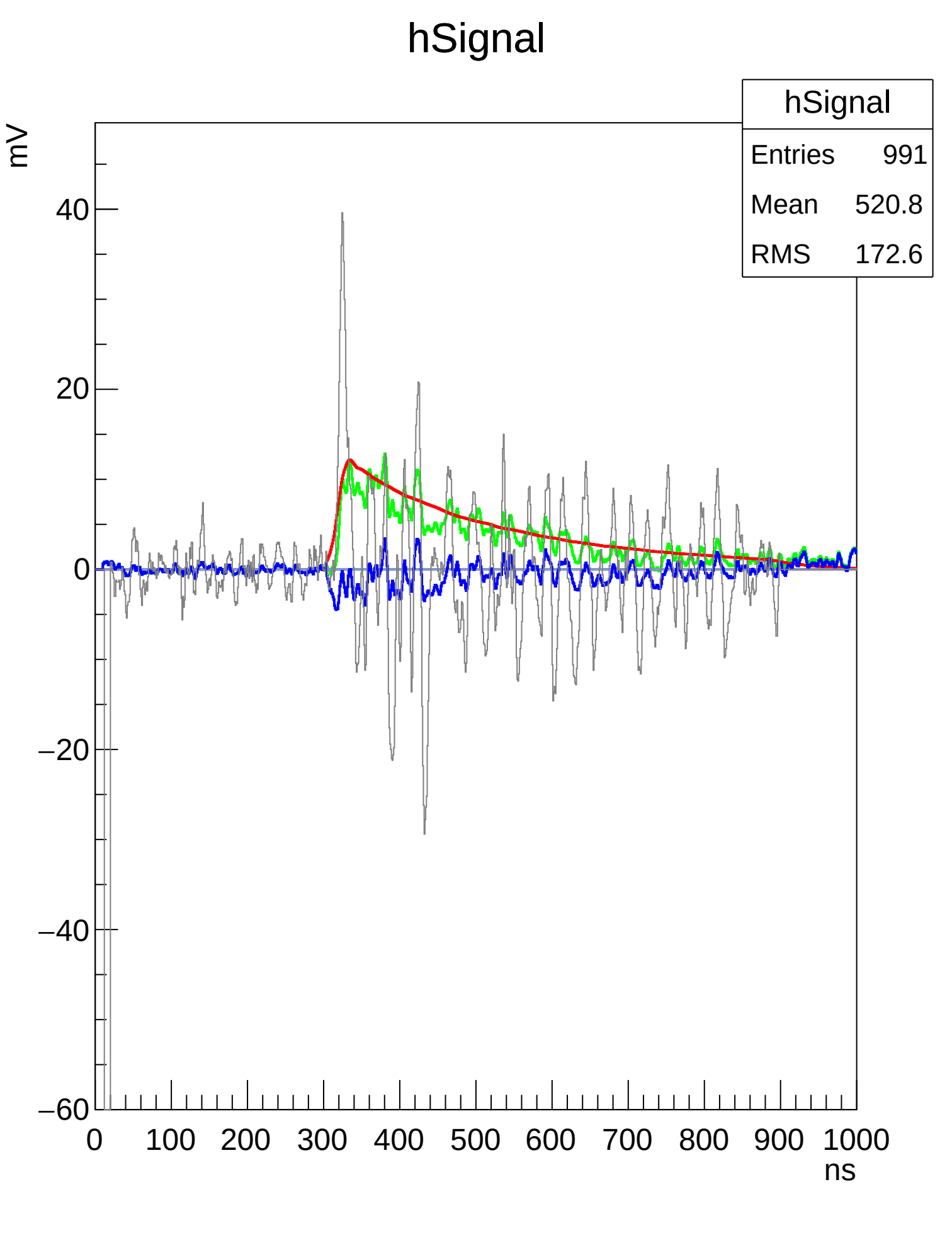
hSignal
hSignal
Entries 991
Mean 520.8
RMS 172.6
mV
40
20
0
−20
−40
−60
0
100
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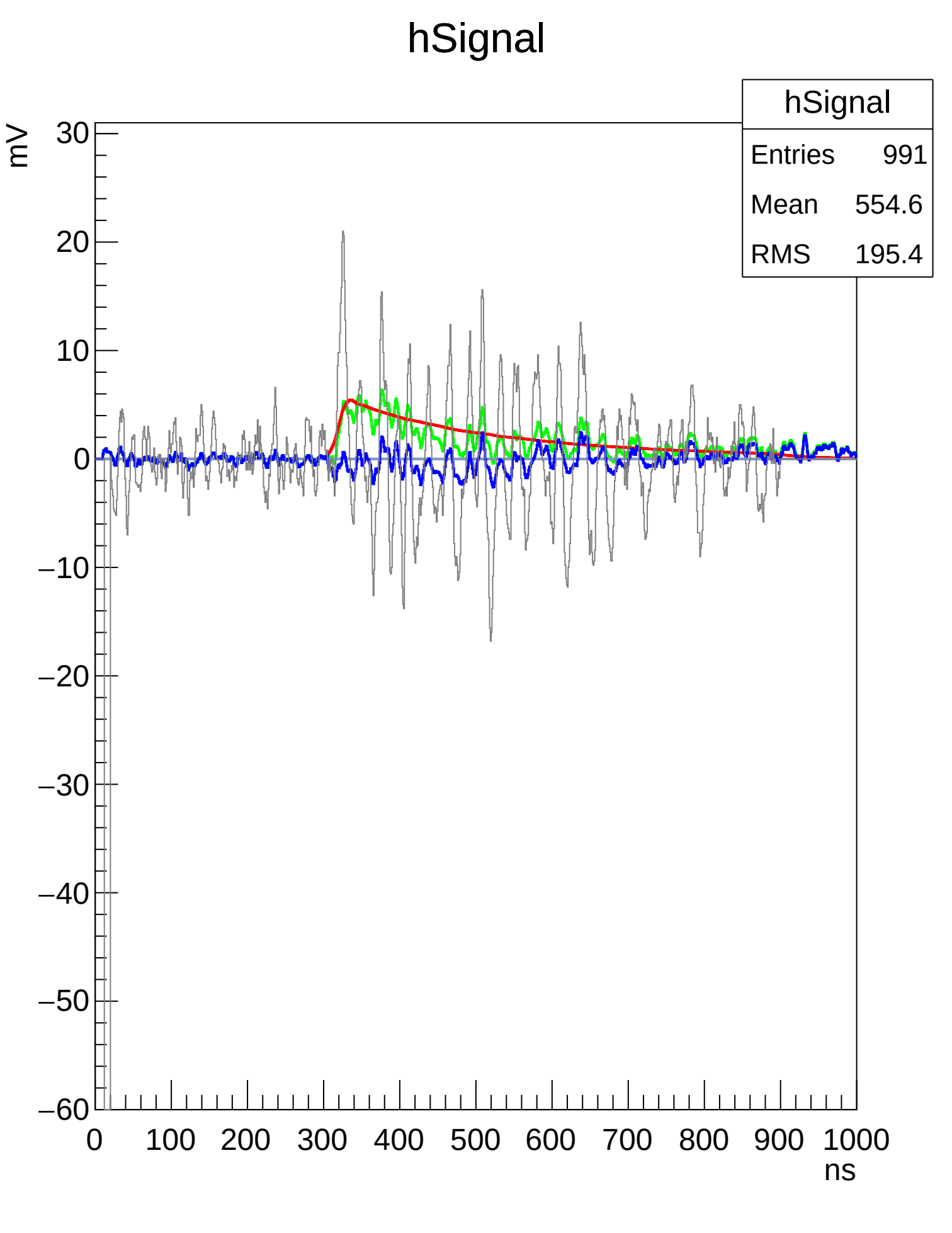
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 195.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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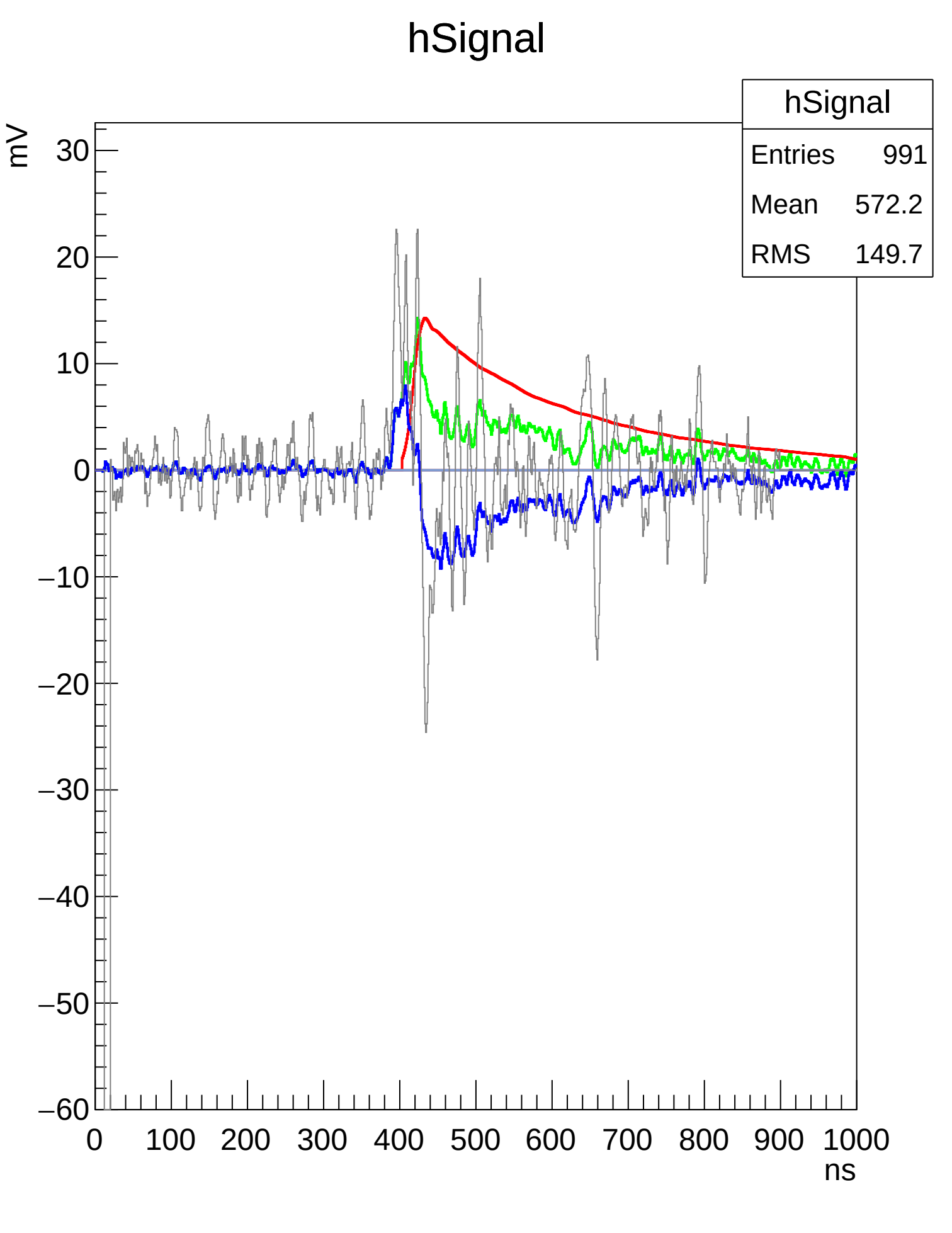
1000
ns


hSignal
hSignal
Entries 991
Mean 572.2
RMS 149.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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1000
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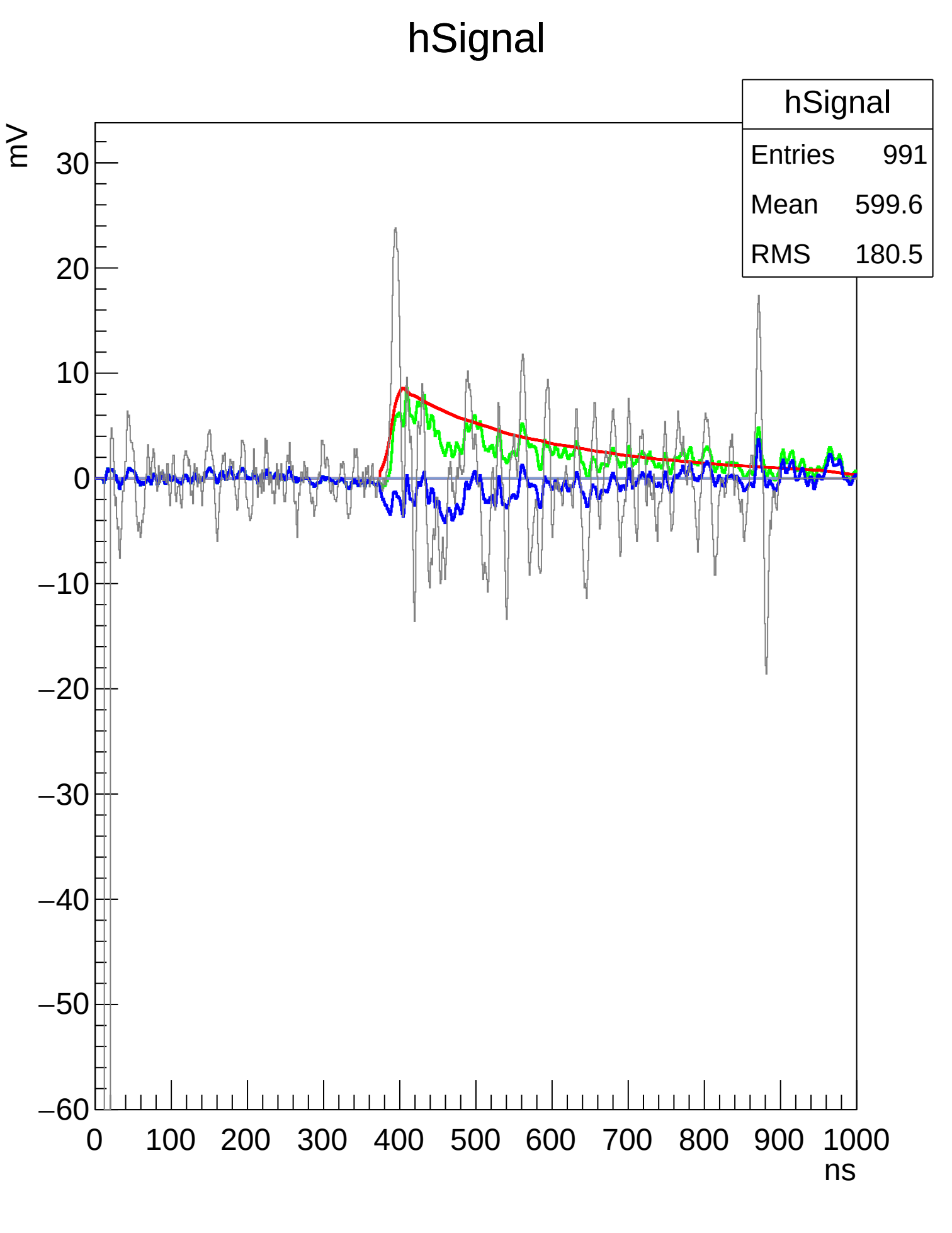
hSignal
hSignal
Entries 991
Mean 599.6
RMS 180.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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800
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1000
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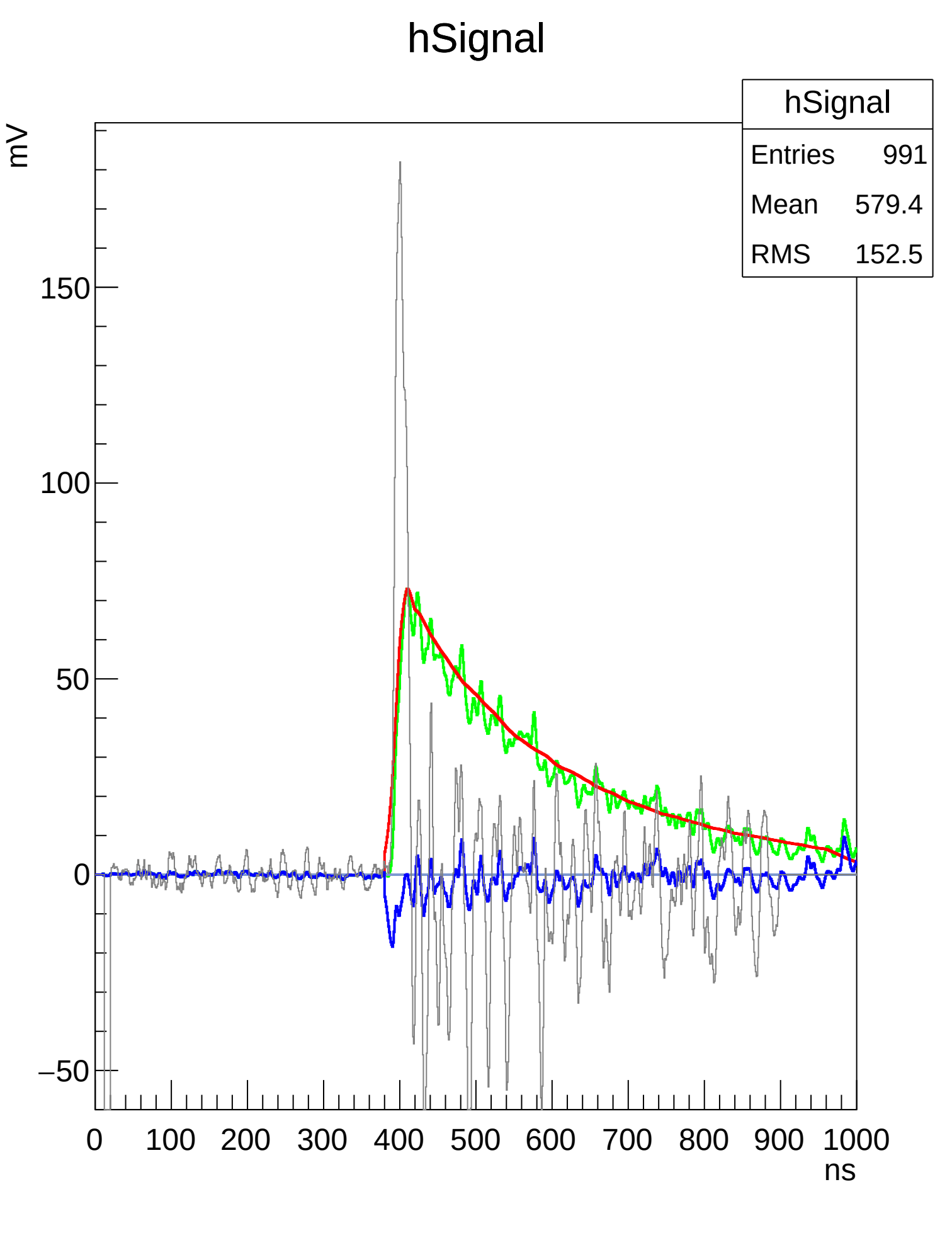
hSignal
hSignal
Entries 991
Mean 579.4
RMS 152.5
mV
150
100
50
0
−50
0
100
200
300
400
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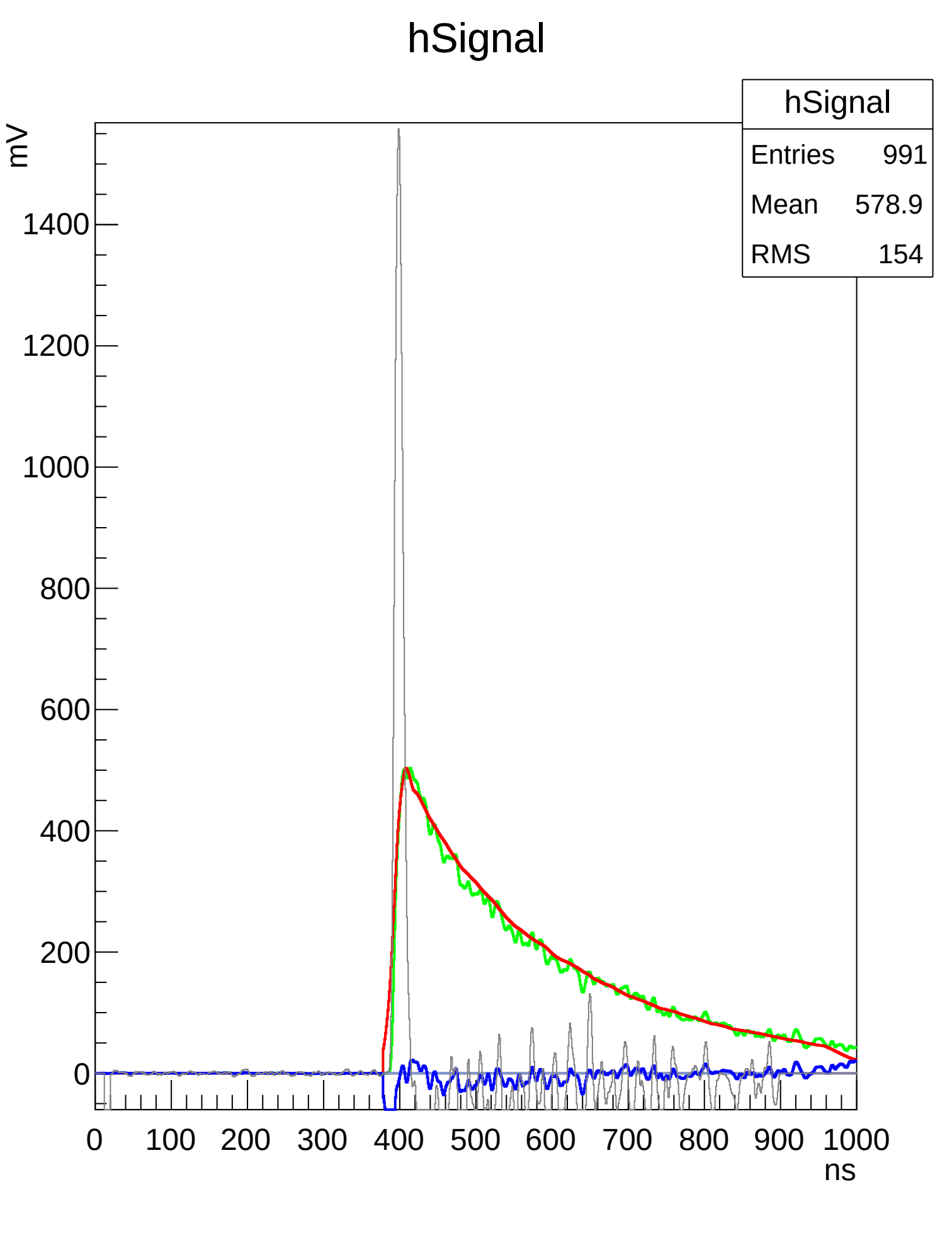
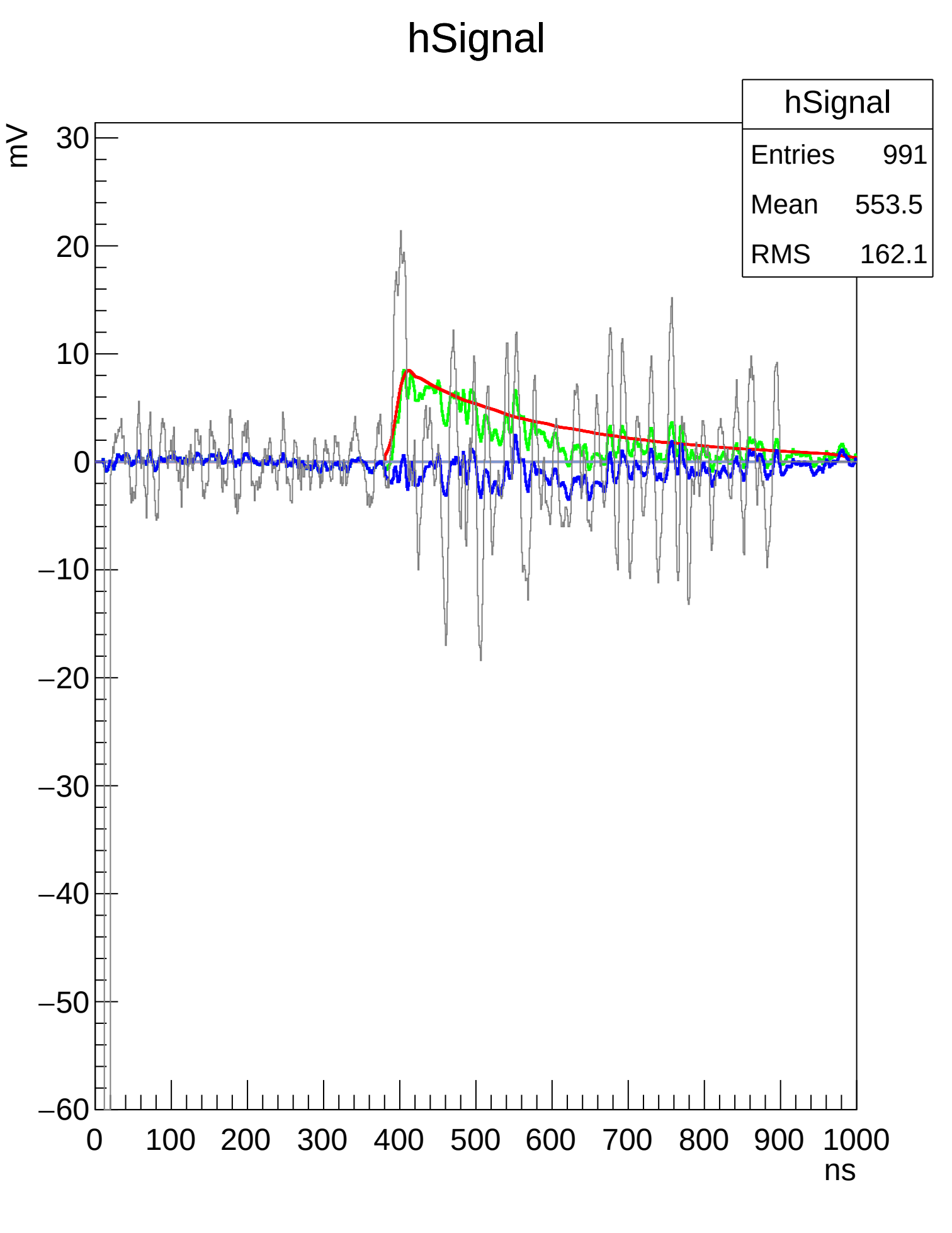
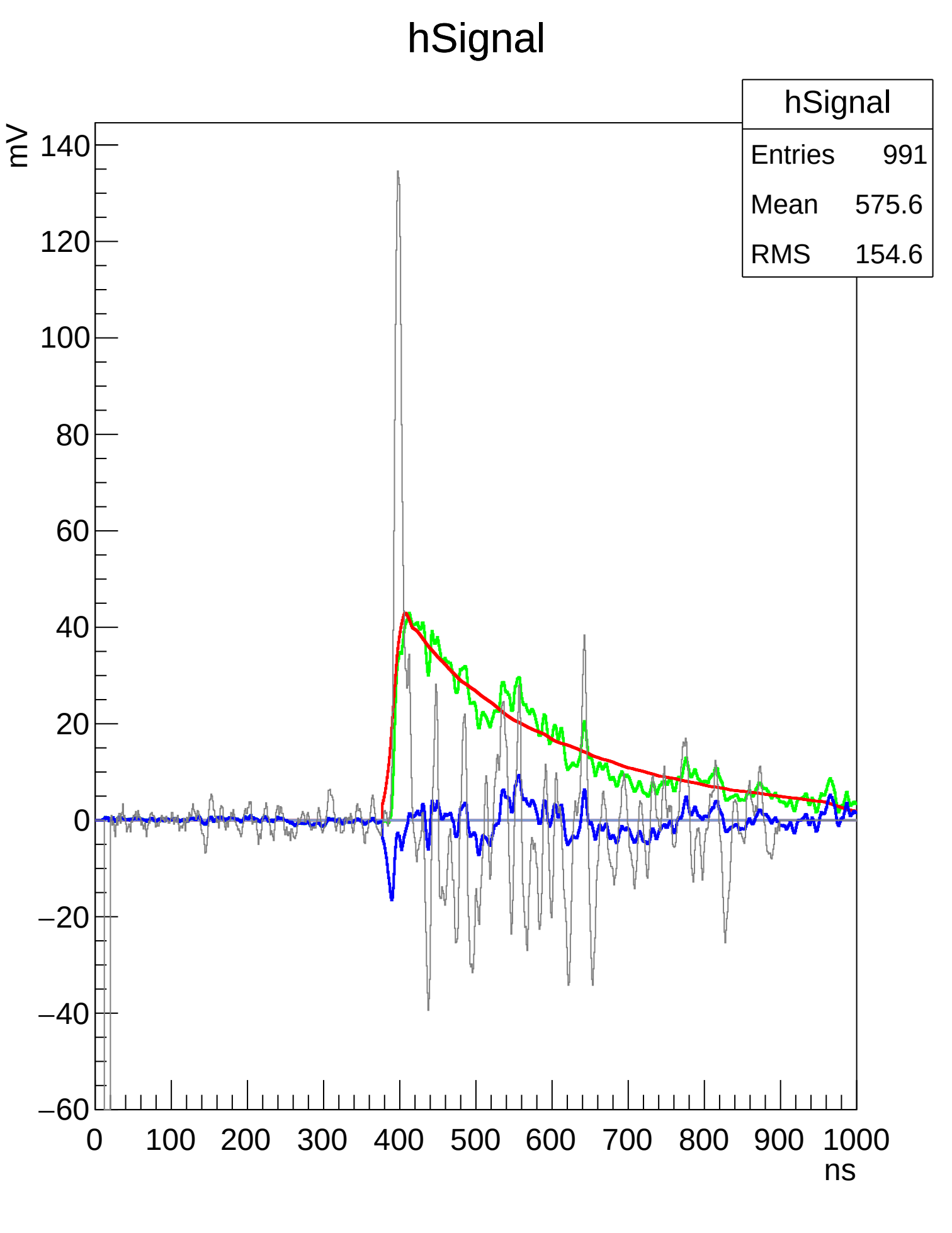
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 154
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.5
RMS 162.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.6
RMS 154.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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800
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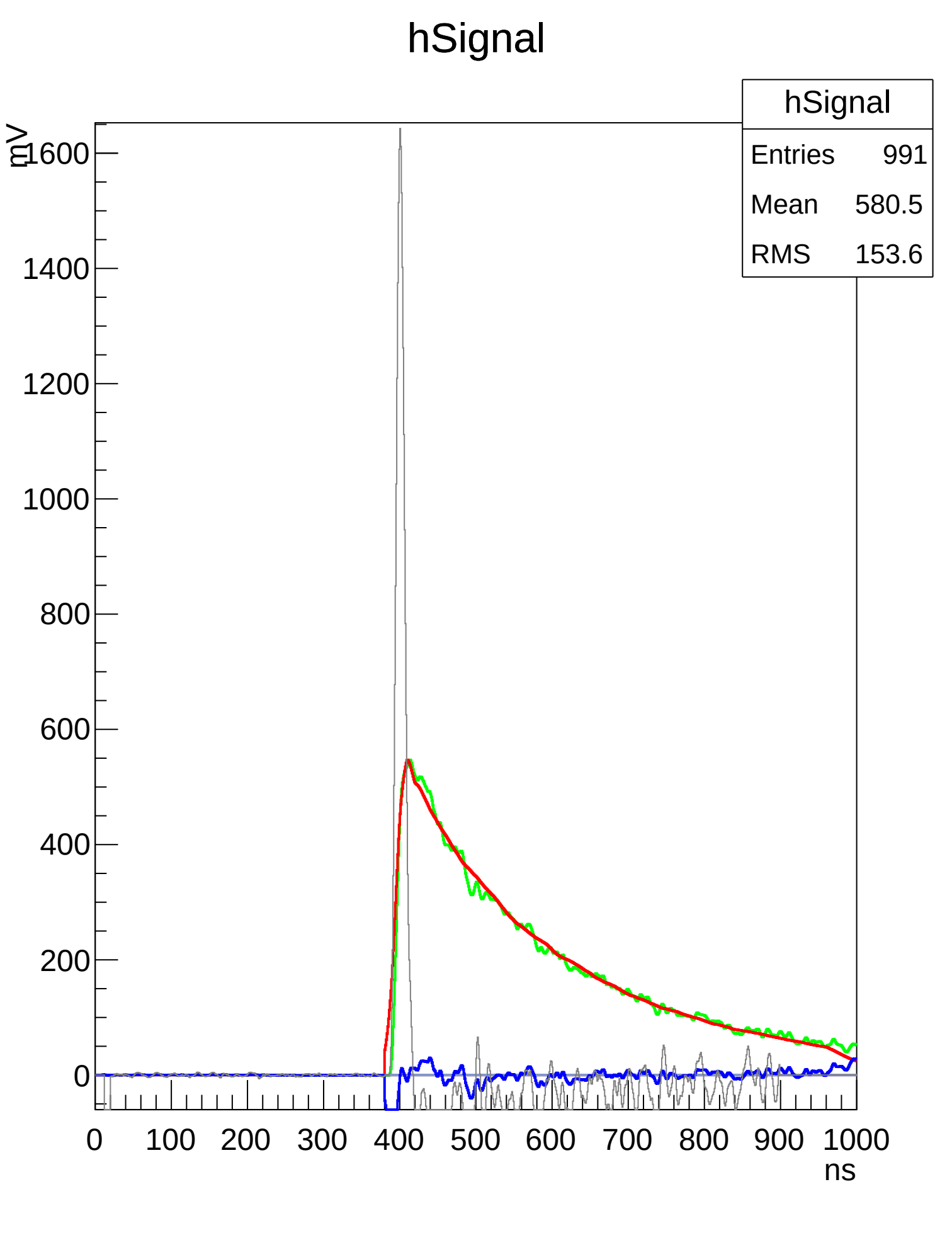
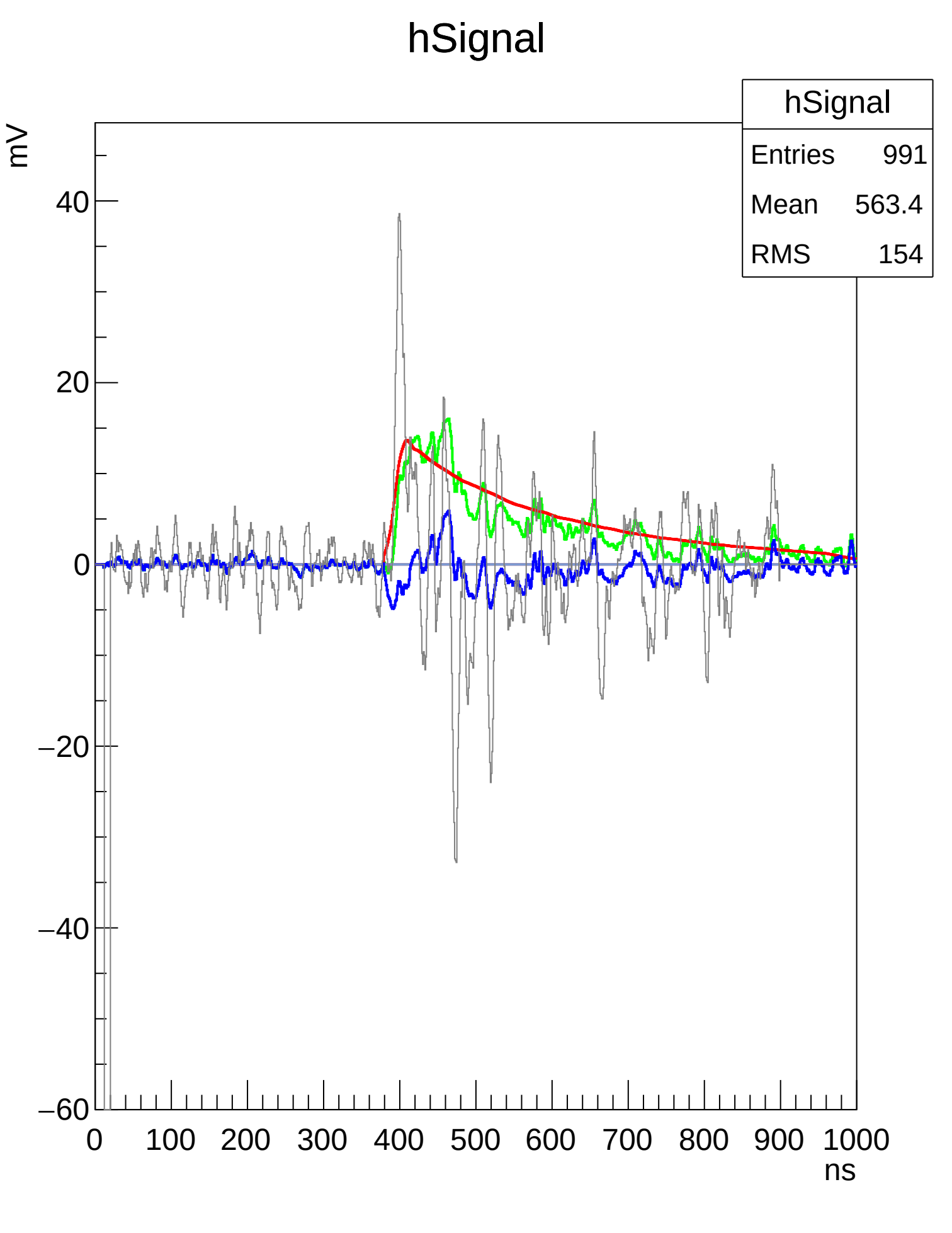
1000
ns


hSignal
hSignal
Entries 991
Mean 580.5
RMS 153.6
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.4
RMS 154
mV
40
20
0
−20
−40
−60
0
100
200
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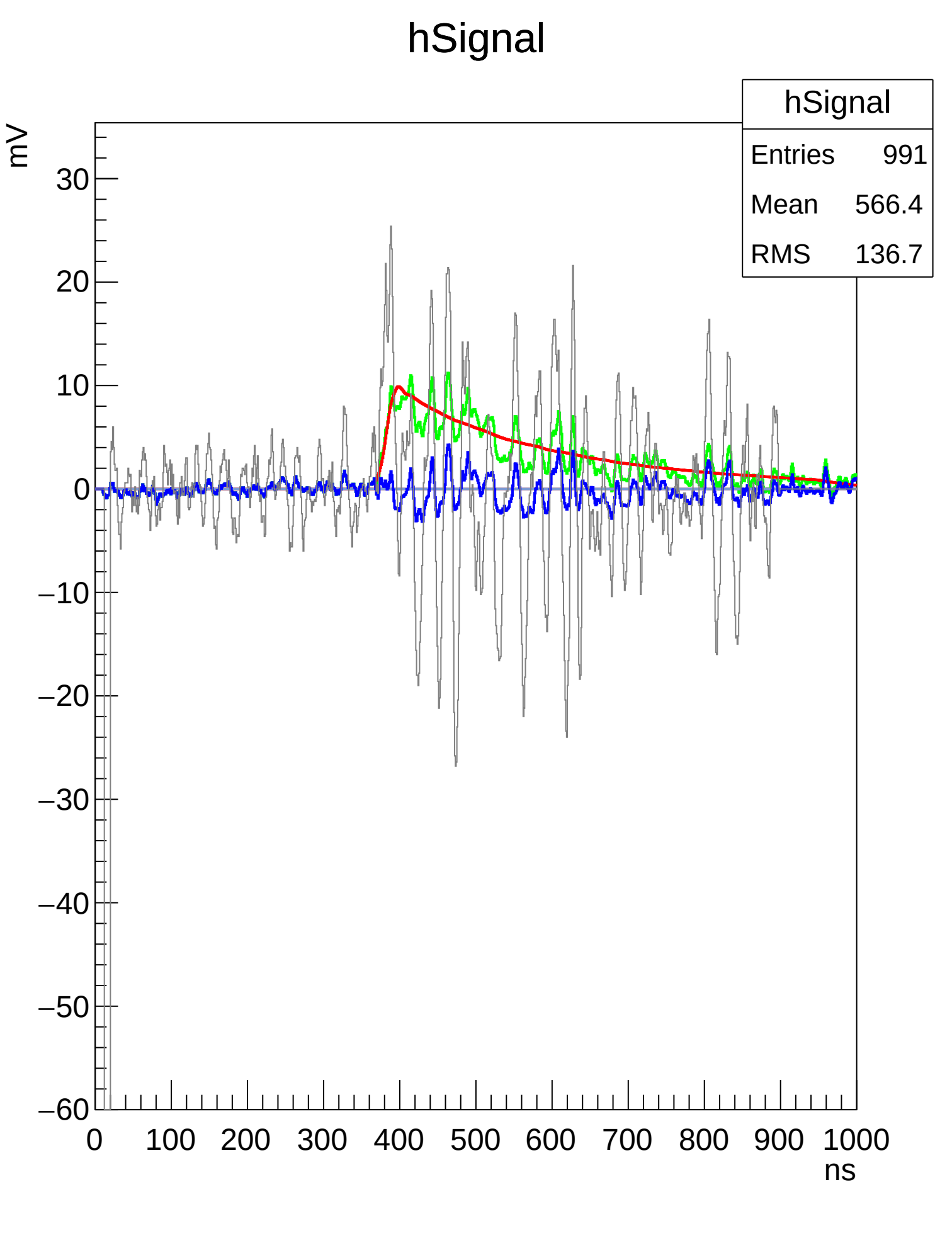
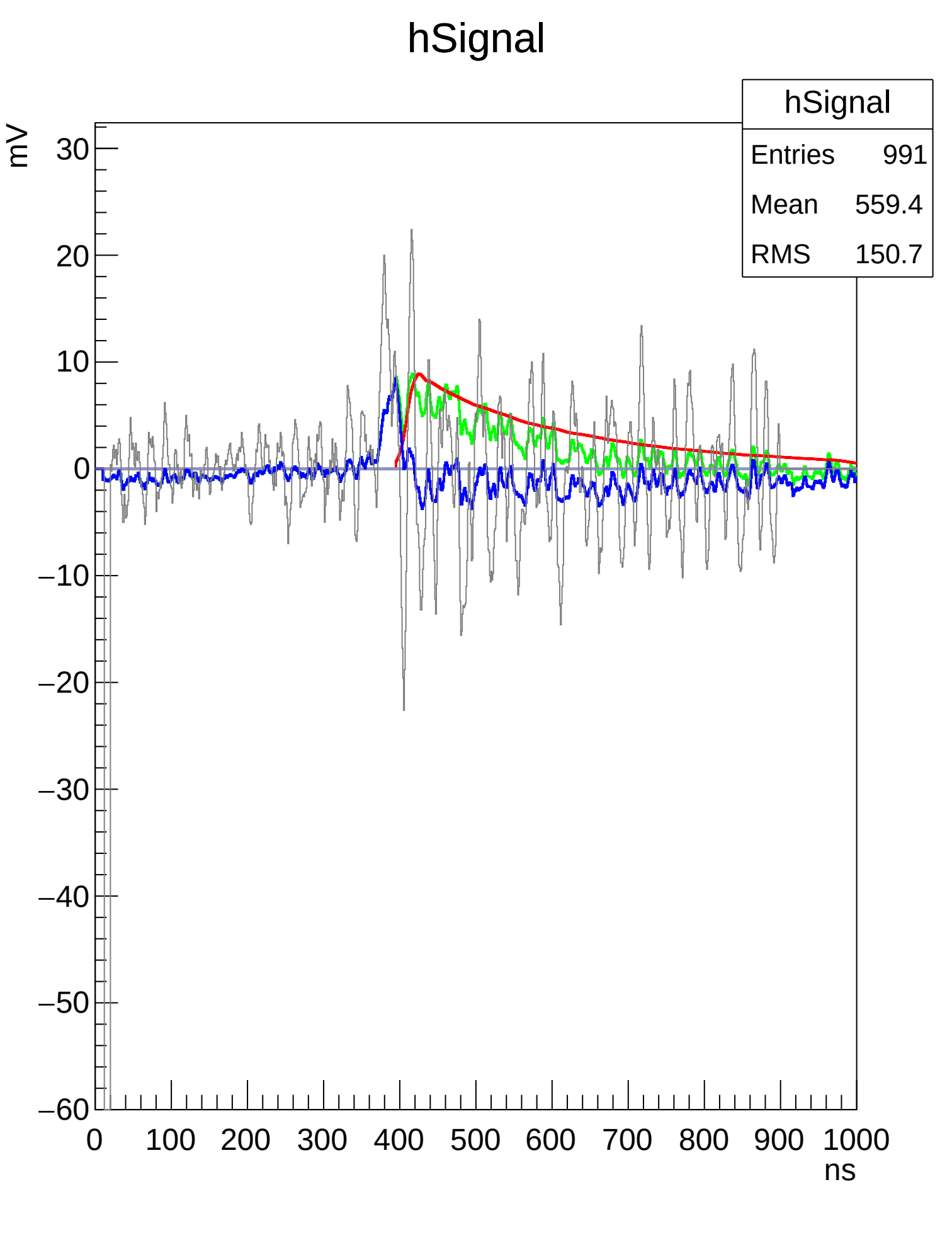
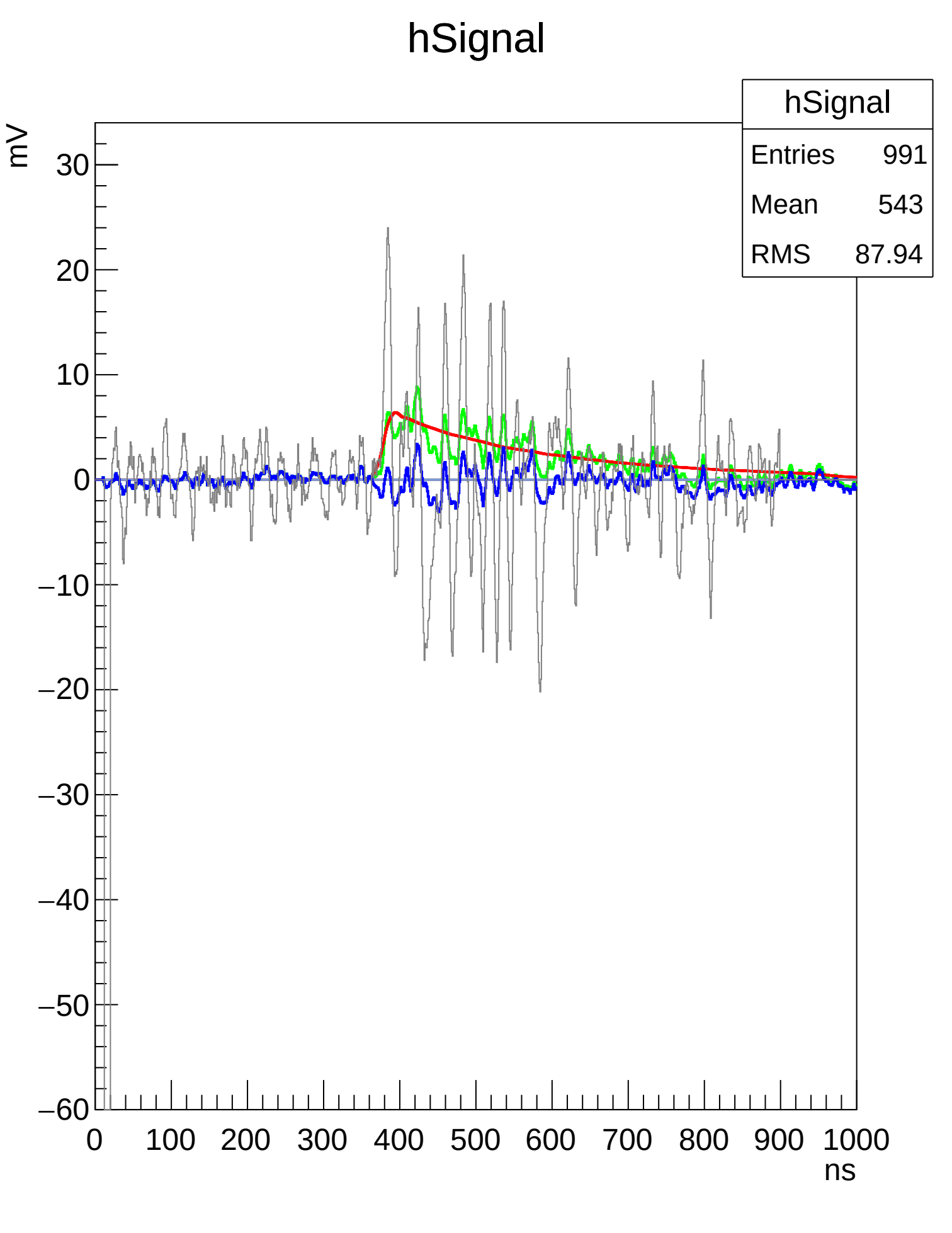
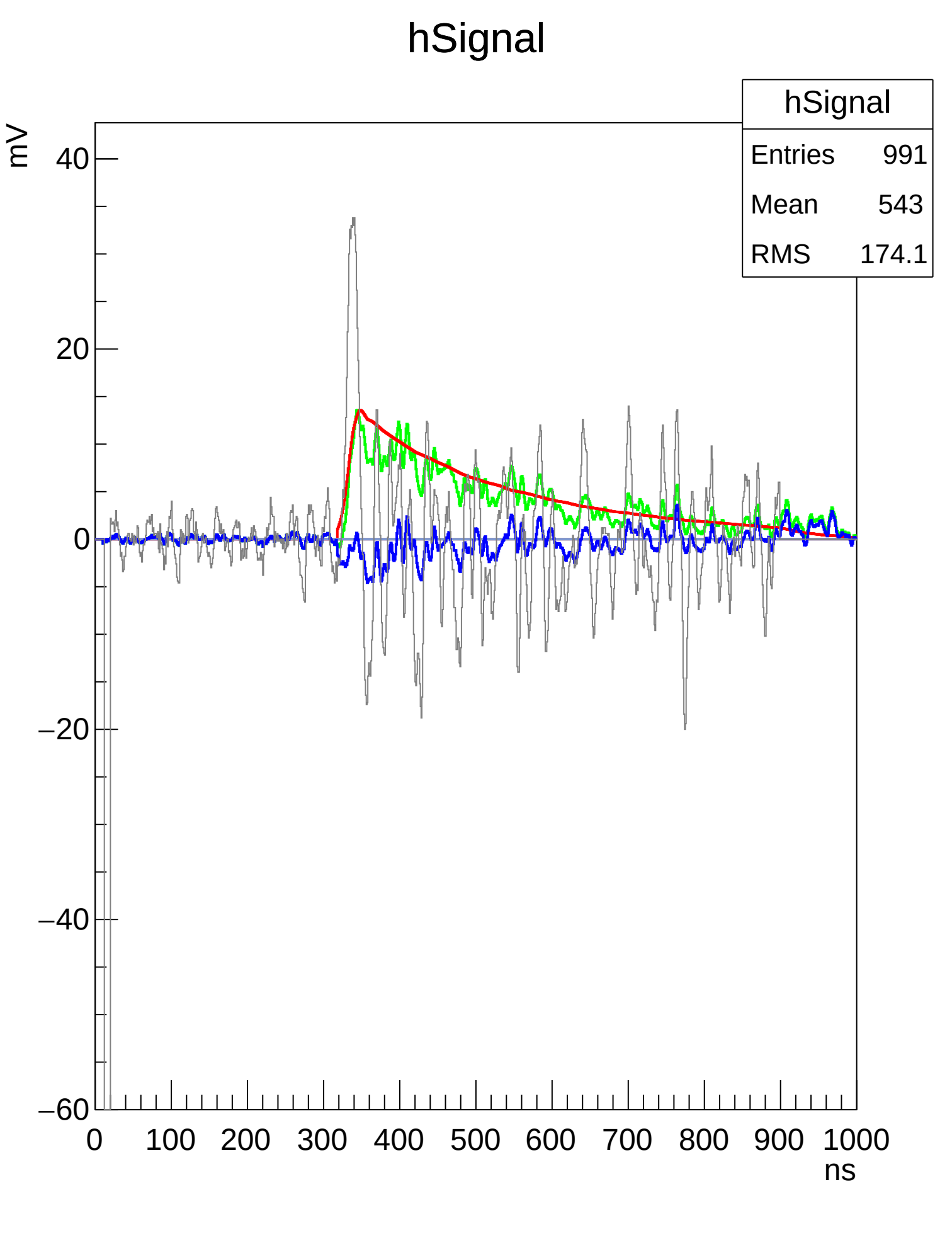
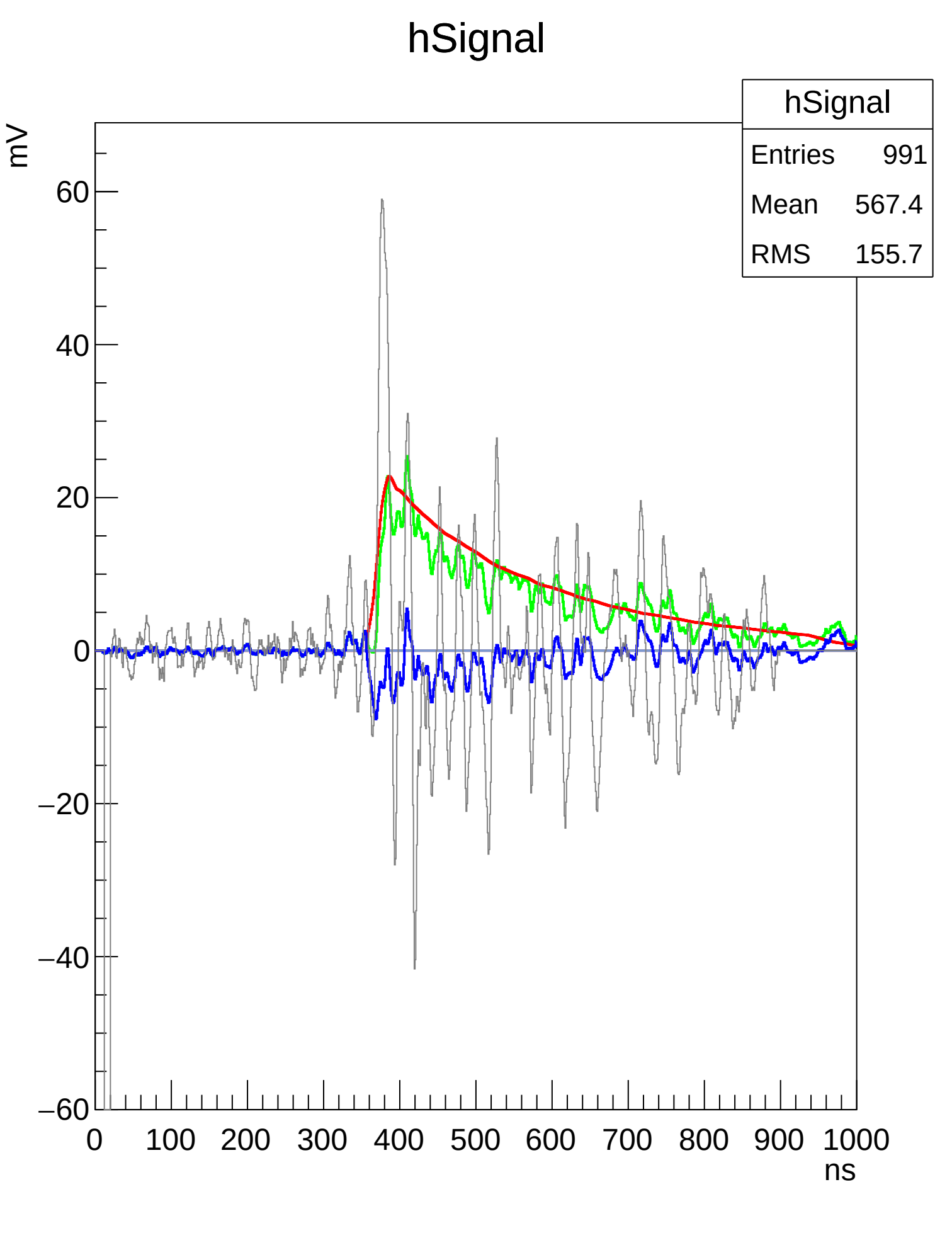
600
700
800
900
1000
ns

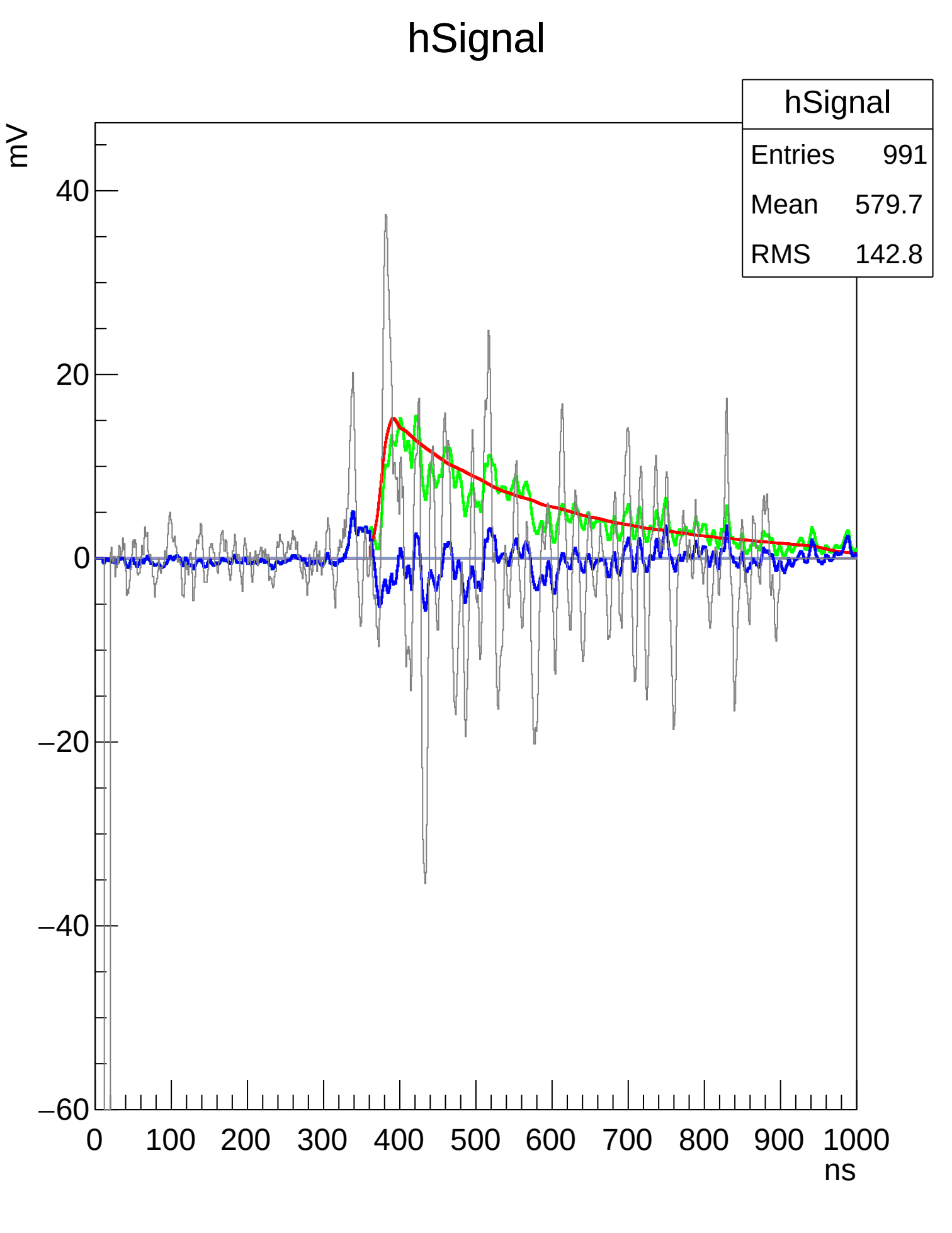

hSignal
hSignal
Entries 991
Mean 566.4
RMS 136.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.4
RMS 150.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543
RMS 87.94
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543
RMS 174.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.4
RMS 155.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.7
RMS 142.8
mV
40
20
0
−20
−40
−60
0
100
200
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400
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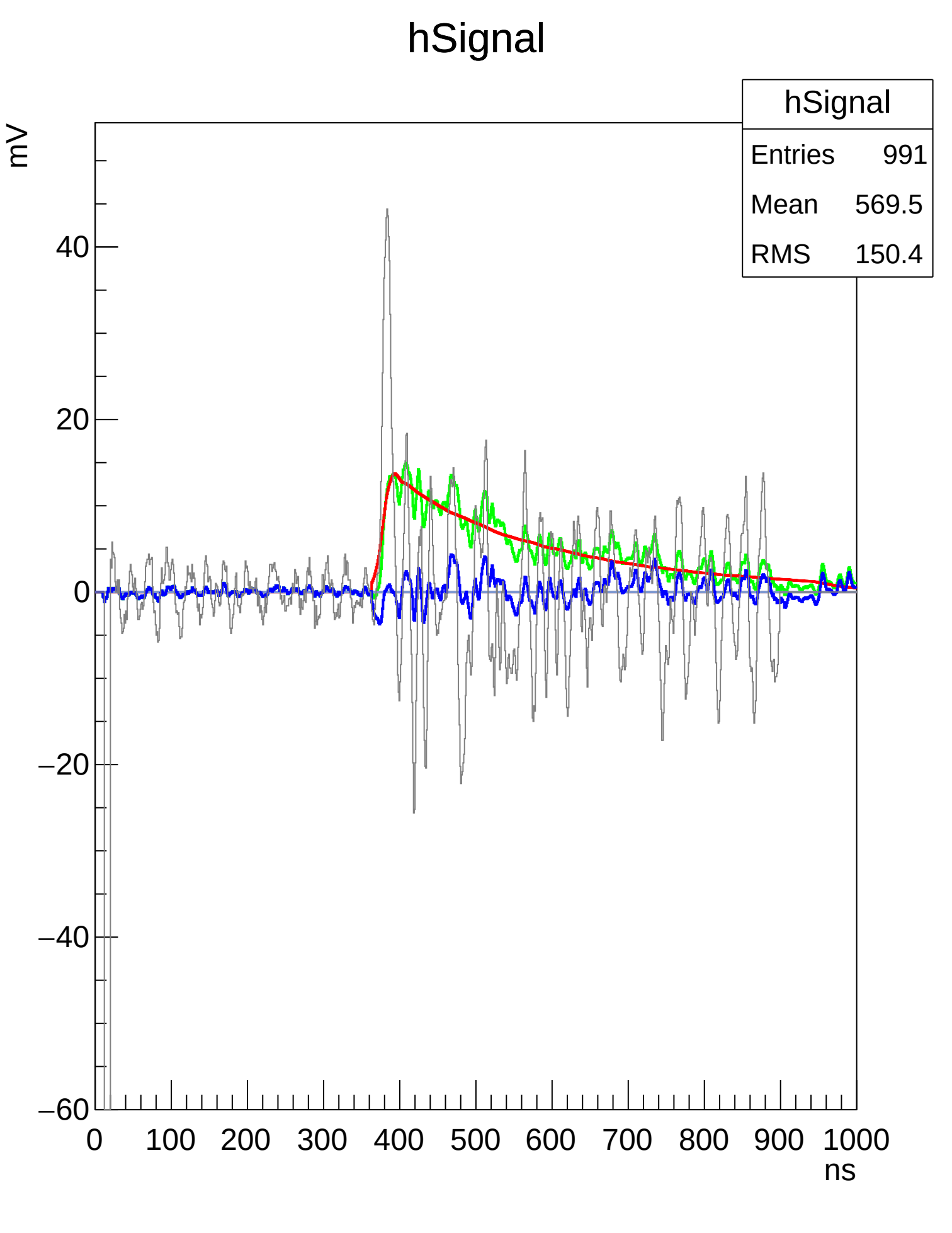
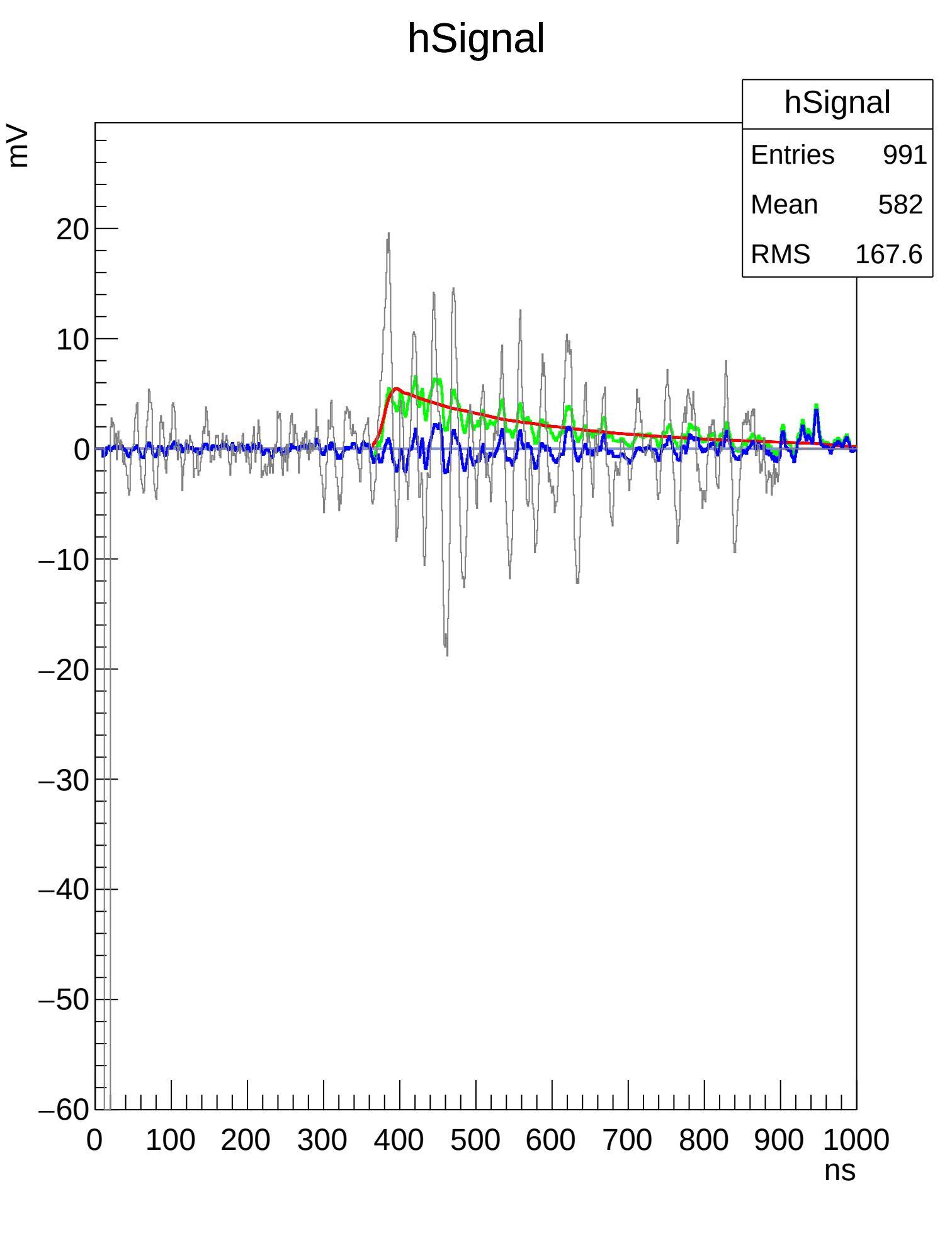
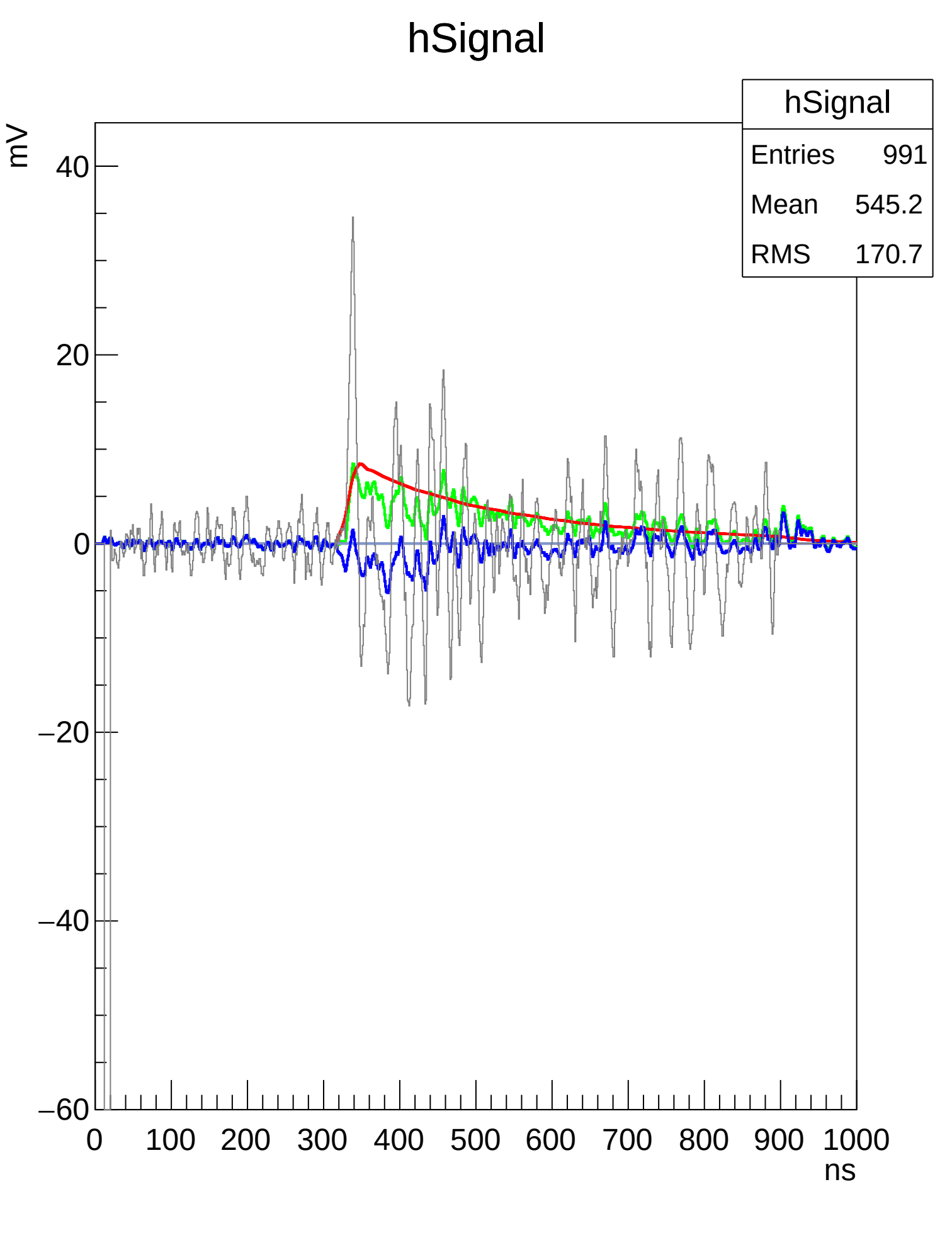
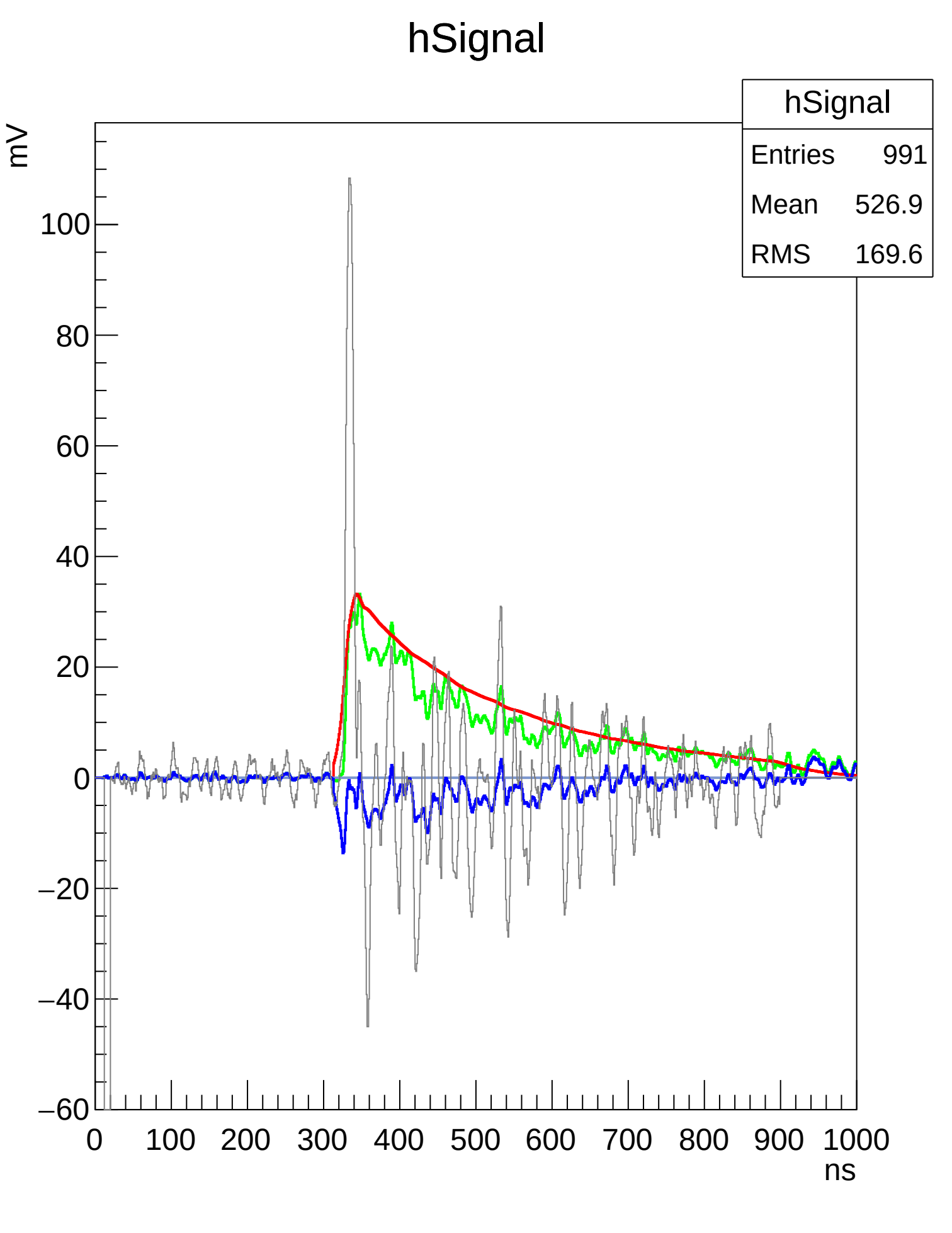
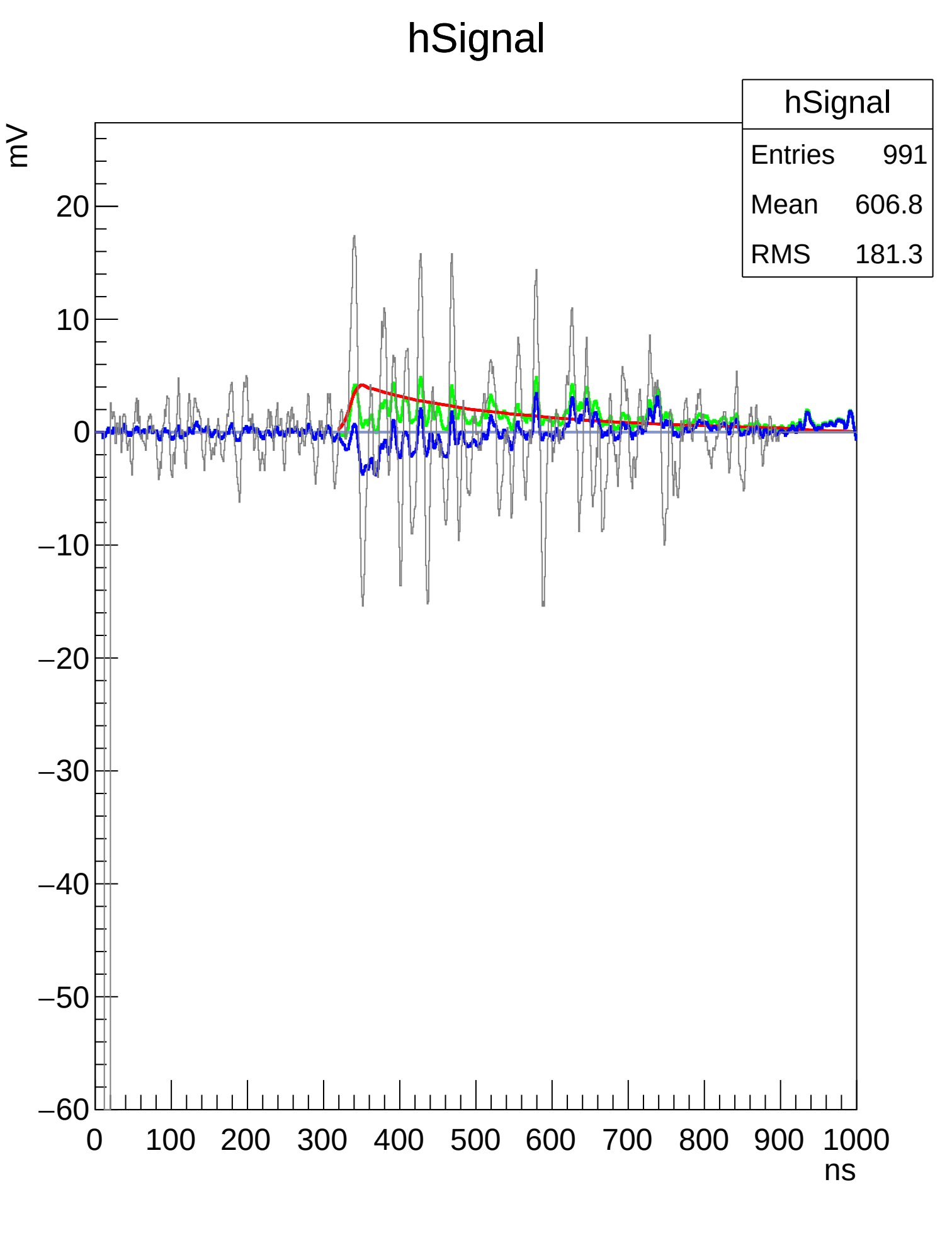
600
700
800
900
1000
ns

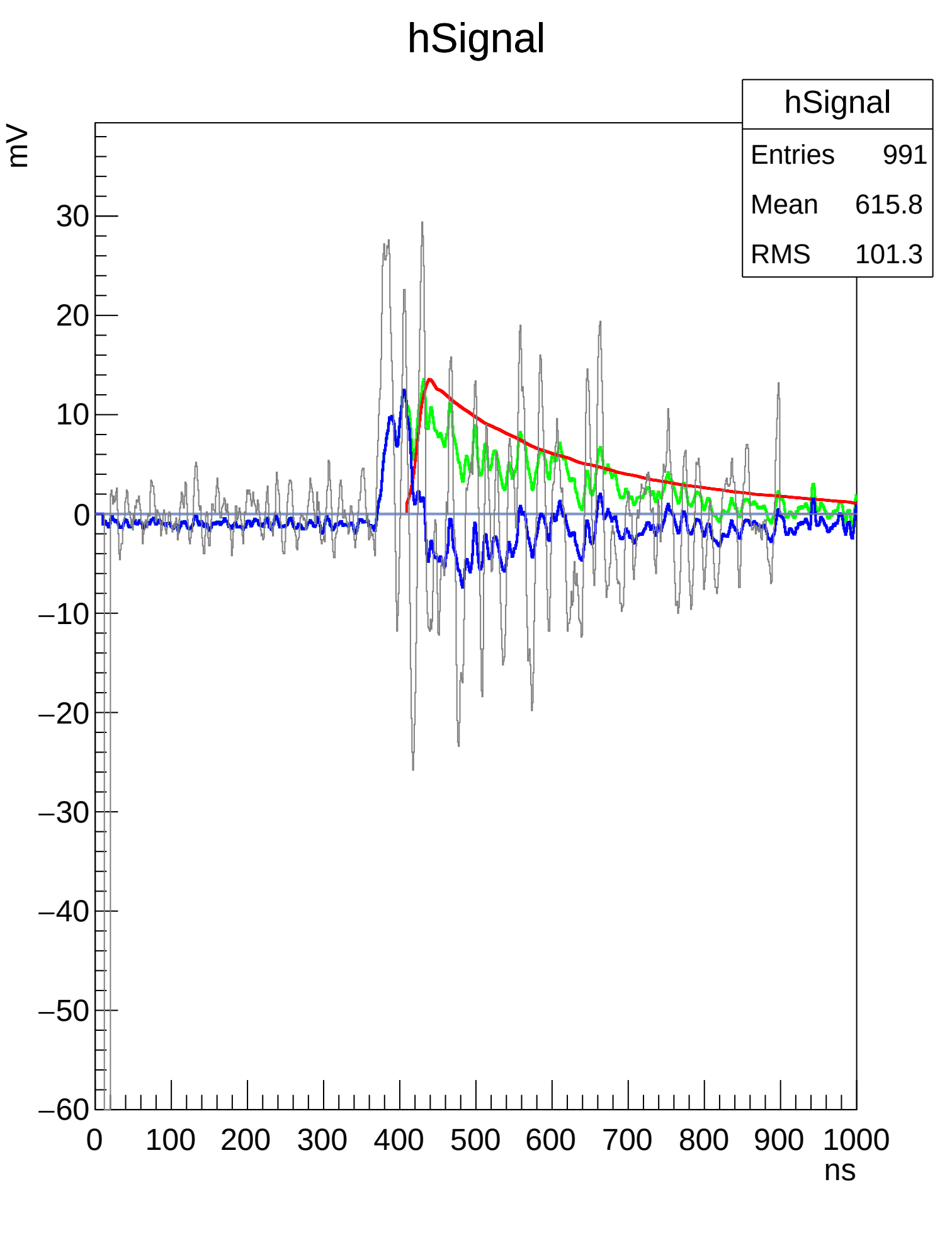

hSignal
hSignal
Entries 991
Mean 569.5
RMS 150.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582
RMS 167.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.2
RMS 170.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.9
RMS 169.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.8
RMS 181.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.8
RMS 101.3
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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700
800
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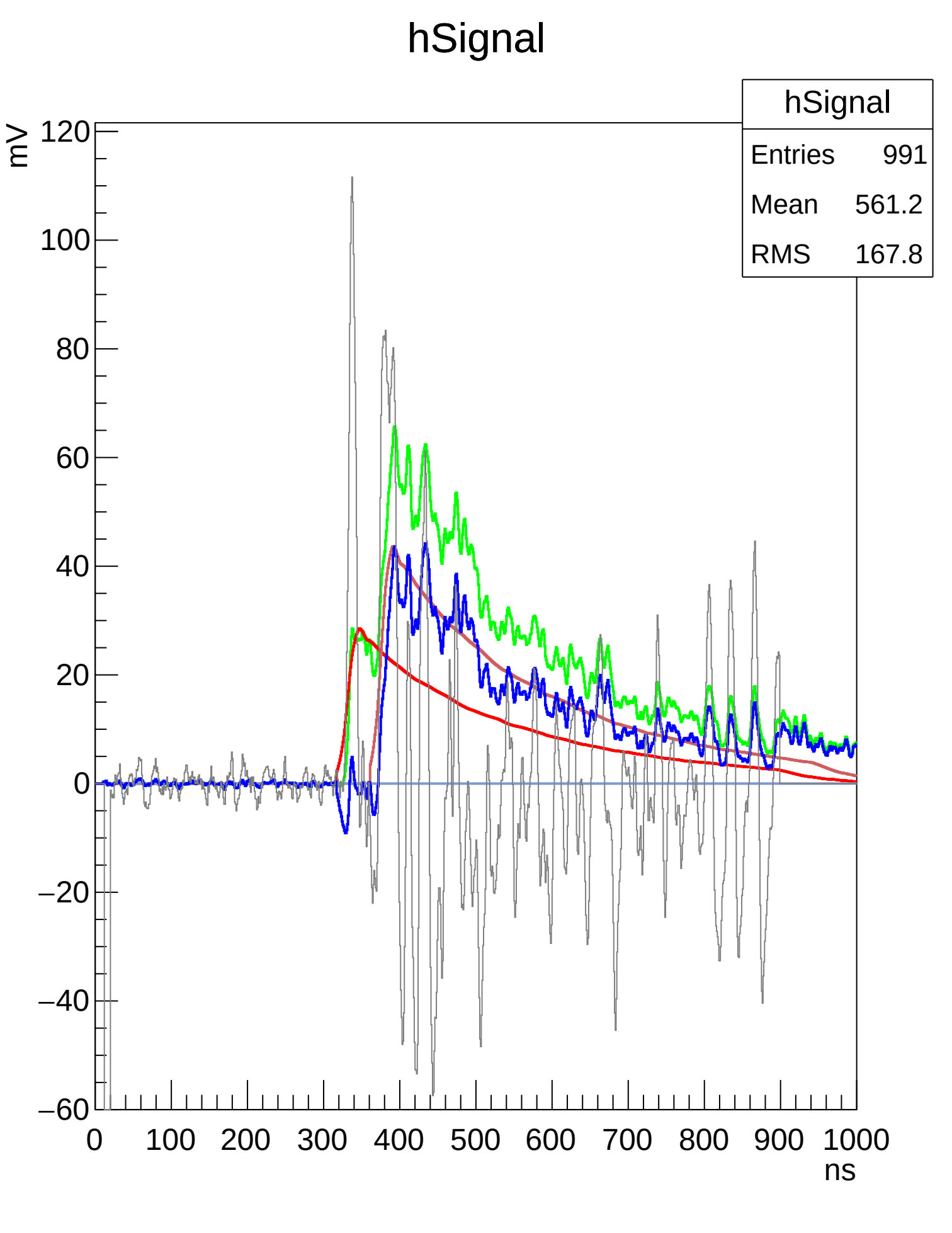
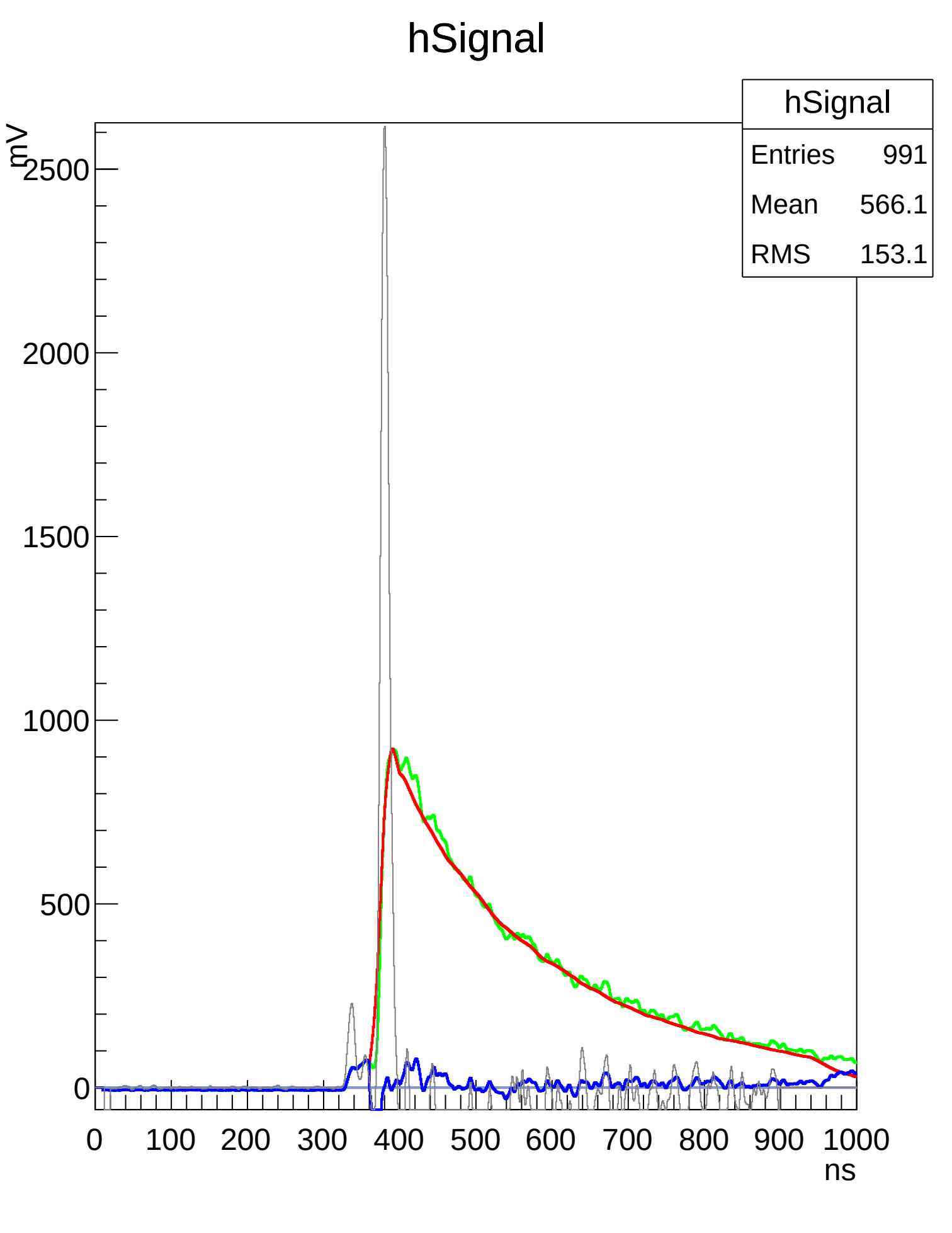
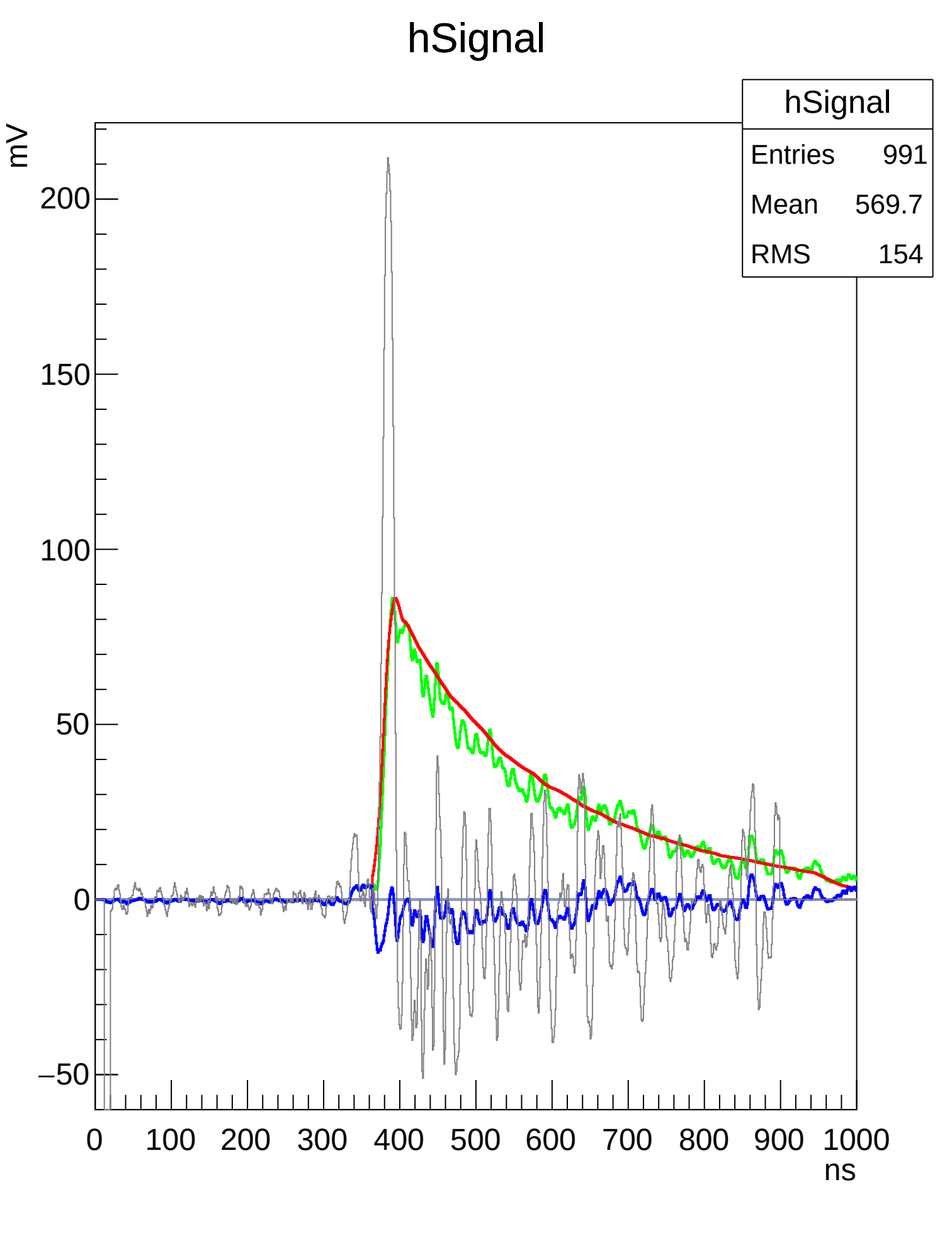
1000
ns


hSignal
hSignal
Entries 991
Mean 561.2
RMS 167.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.1
RMS 153.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.7
RMS 154
mV
200
150
100
50
0
−50
0
100
200
300
400
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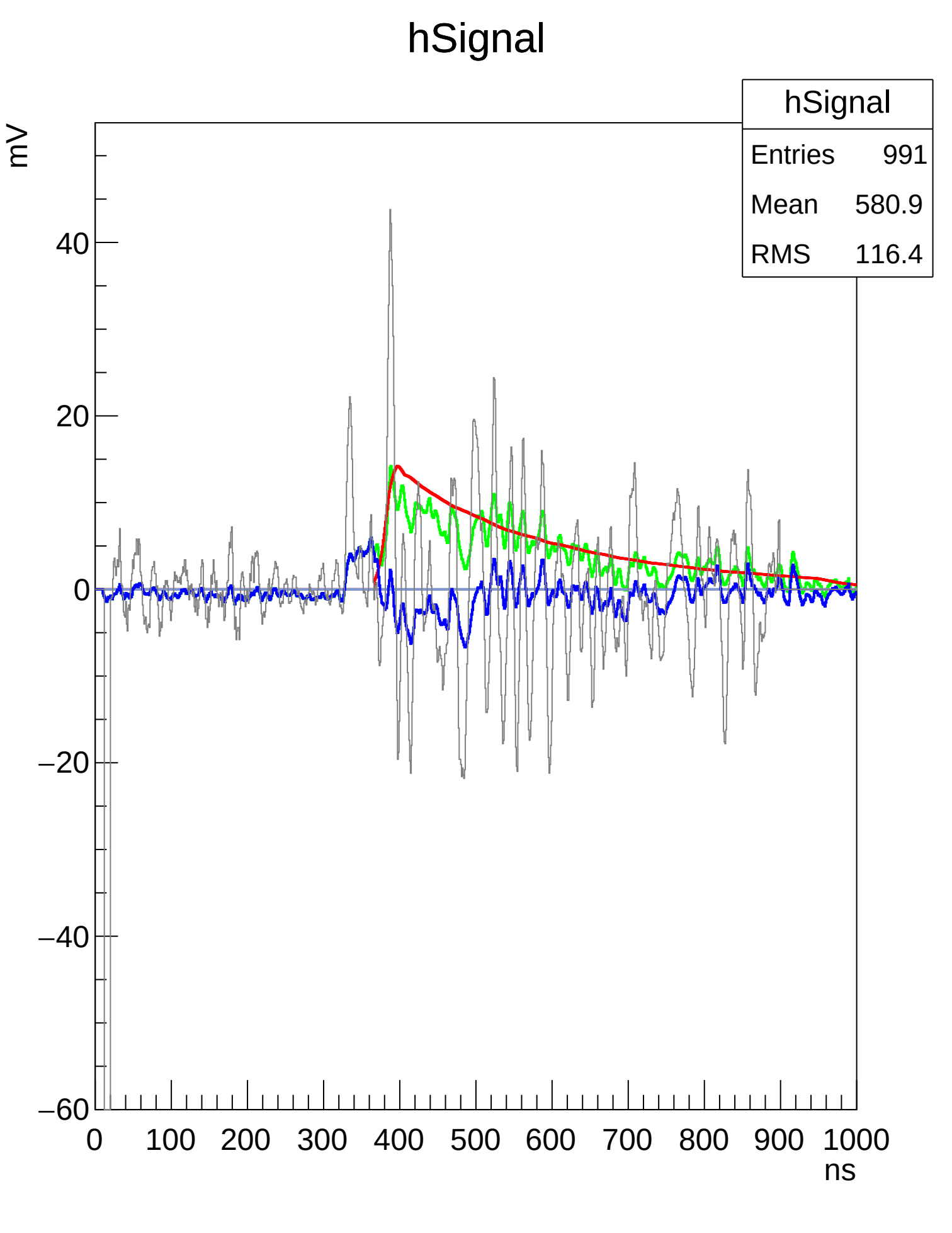
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.9
RMS 116.4
mV
40
20
0
−20
−40
−60
0
100
200
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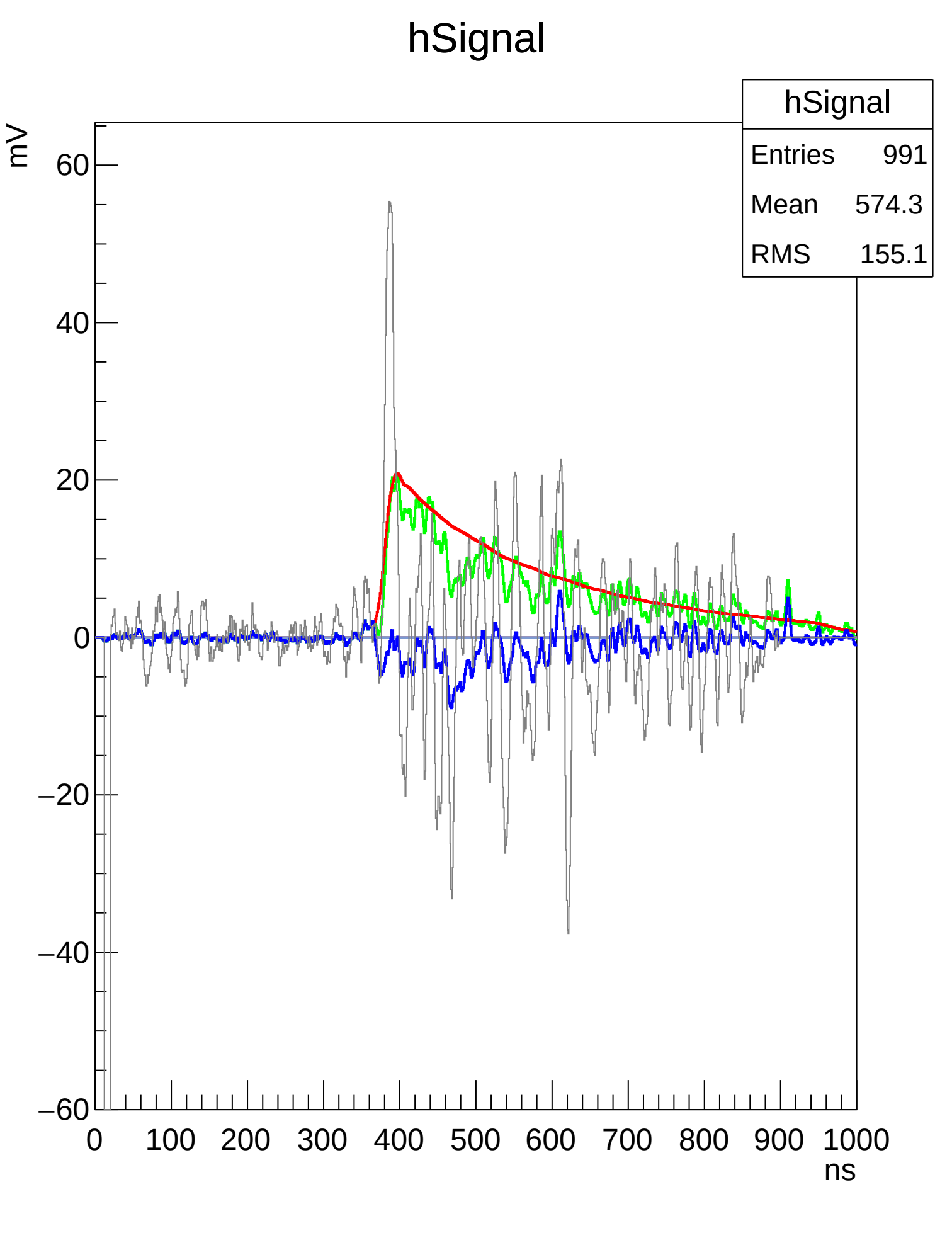
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 155.1
mV
60
40
20
0
−20
−40
−60
0
100
200
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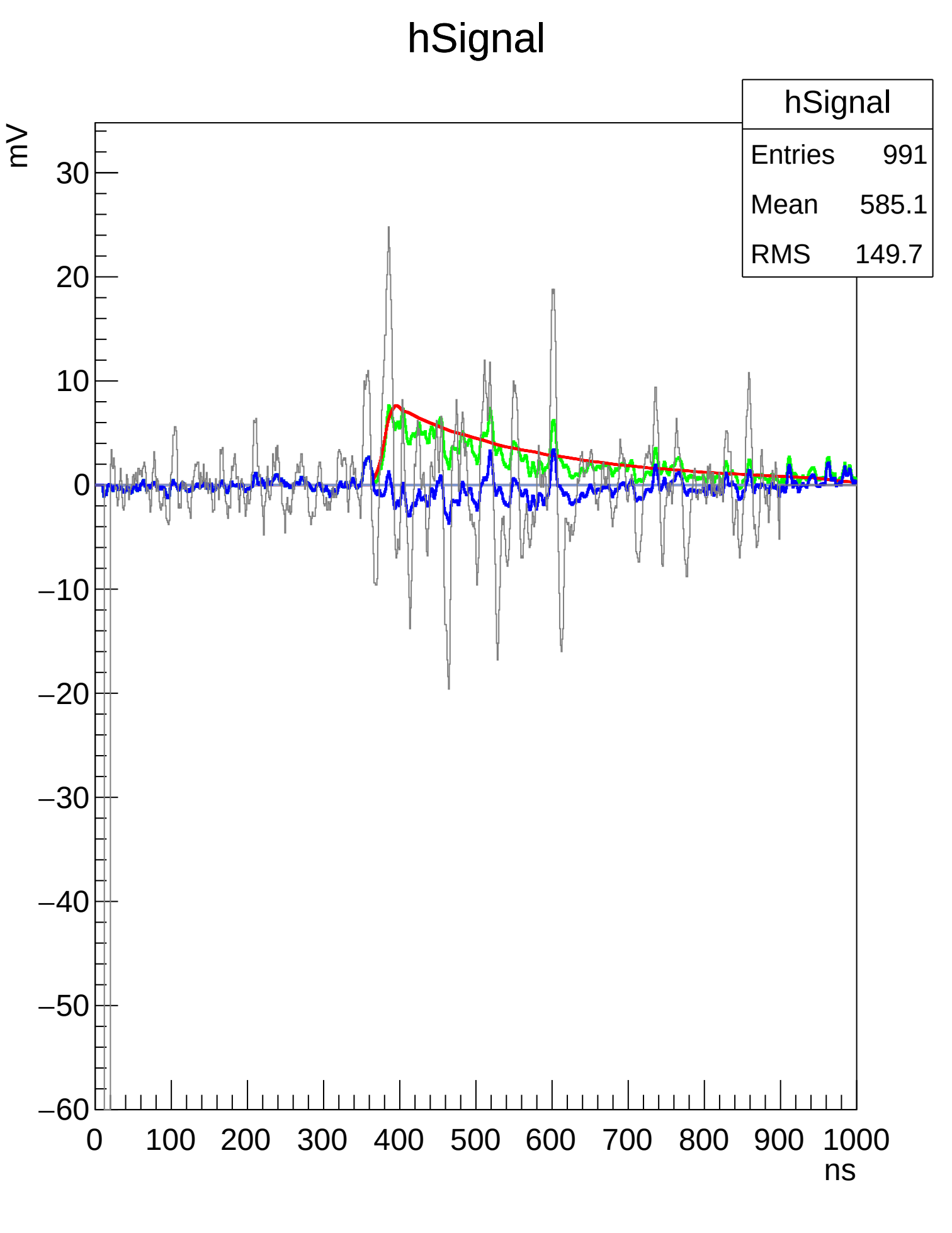
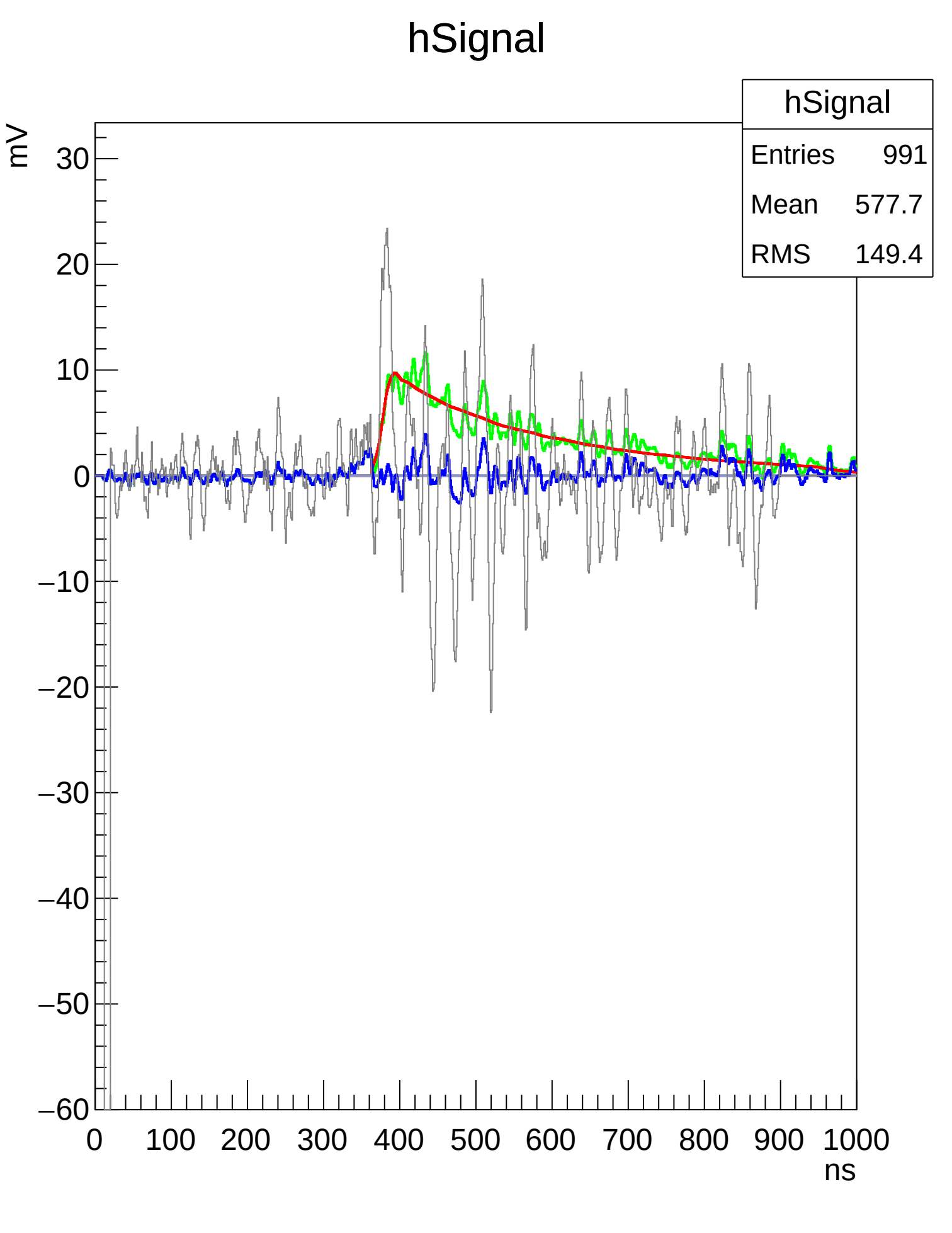
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.1
RMS 149.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.7
RMS 149.4
mV
30
20
10
0
−10
−20
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−40
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200
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800
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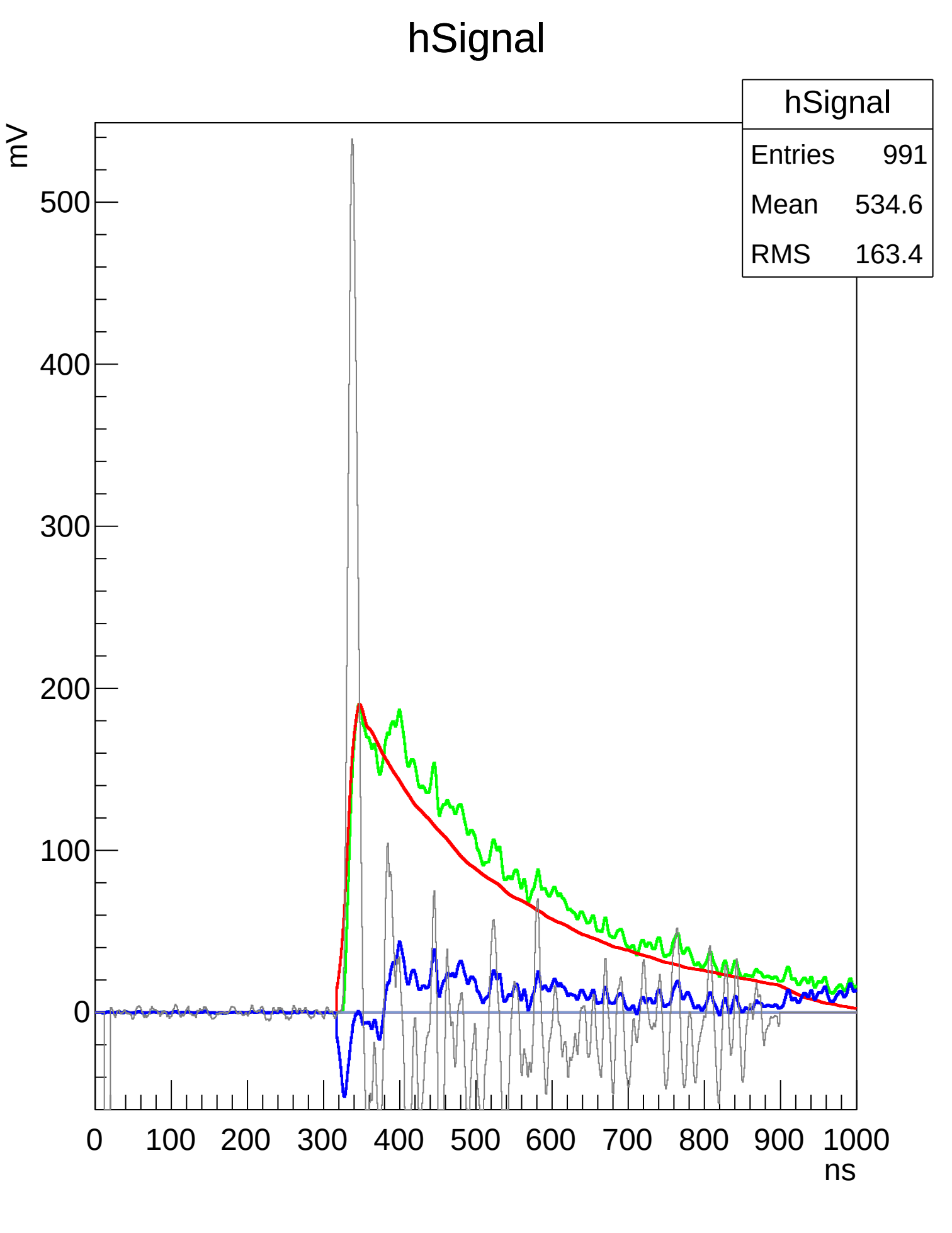
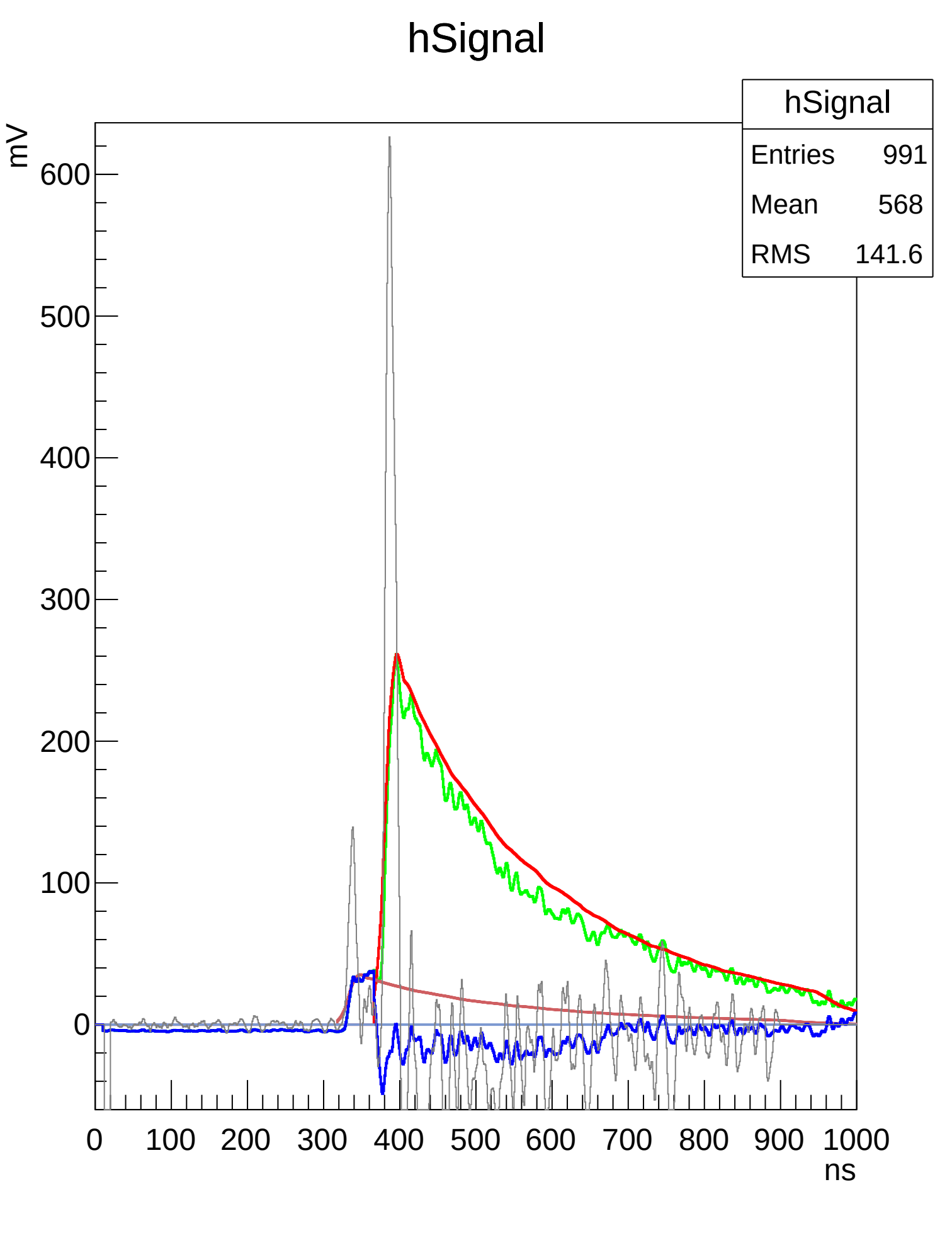
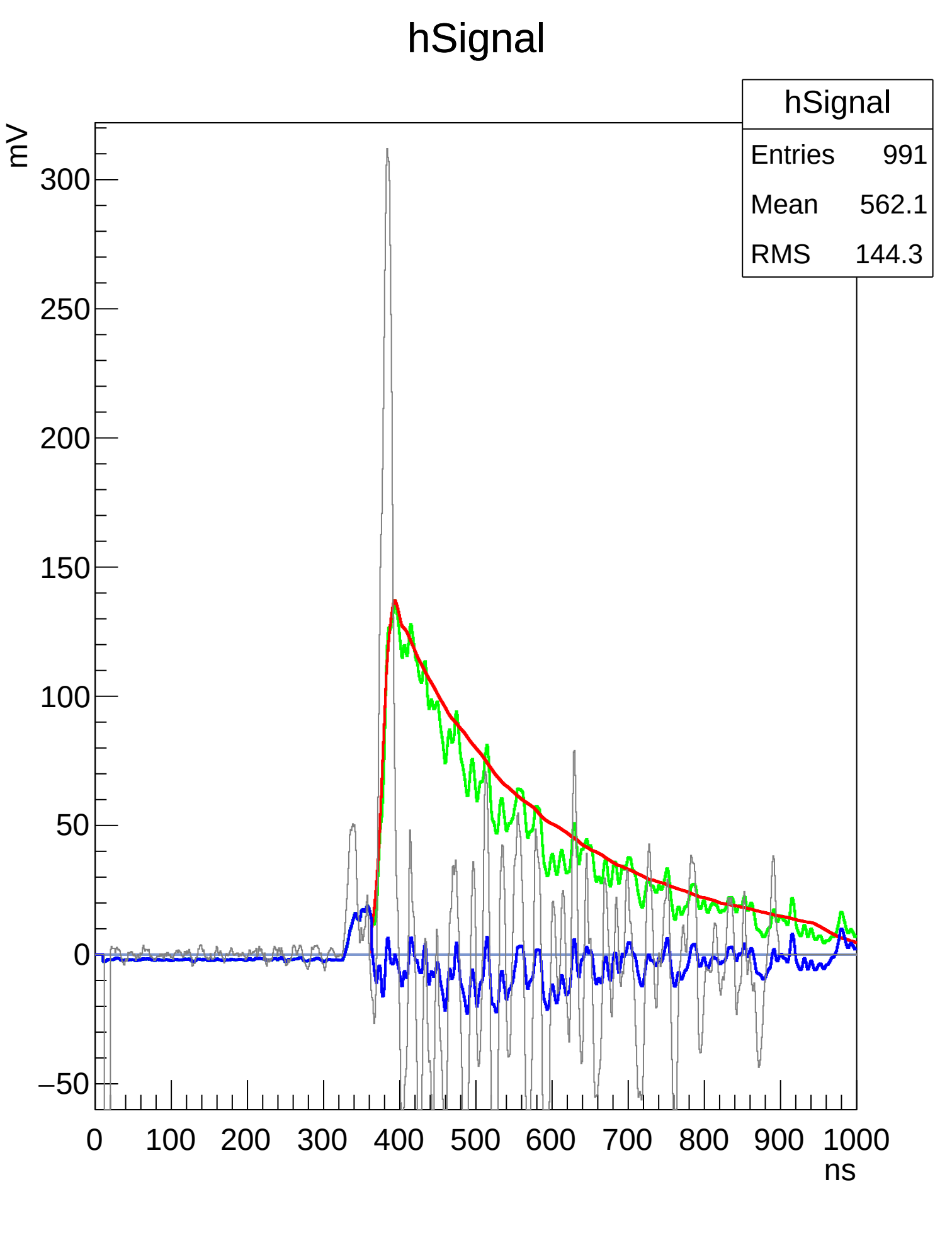
1000
ns


hSignal
hSignal
Entries 991
Mean 534.6
RMS 163.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568
RMS 141.6
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 562.1
RMS 144.3
mV
300
250
200
150
100
50
0
−50
0
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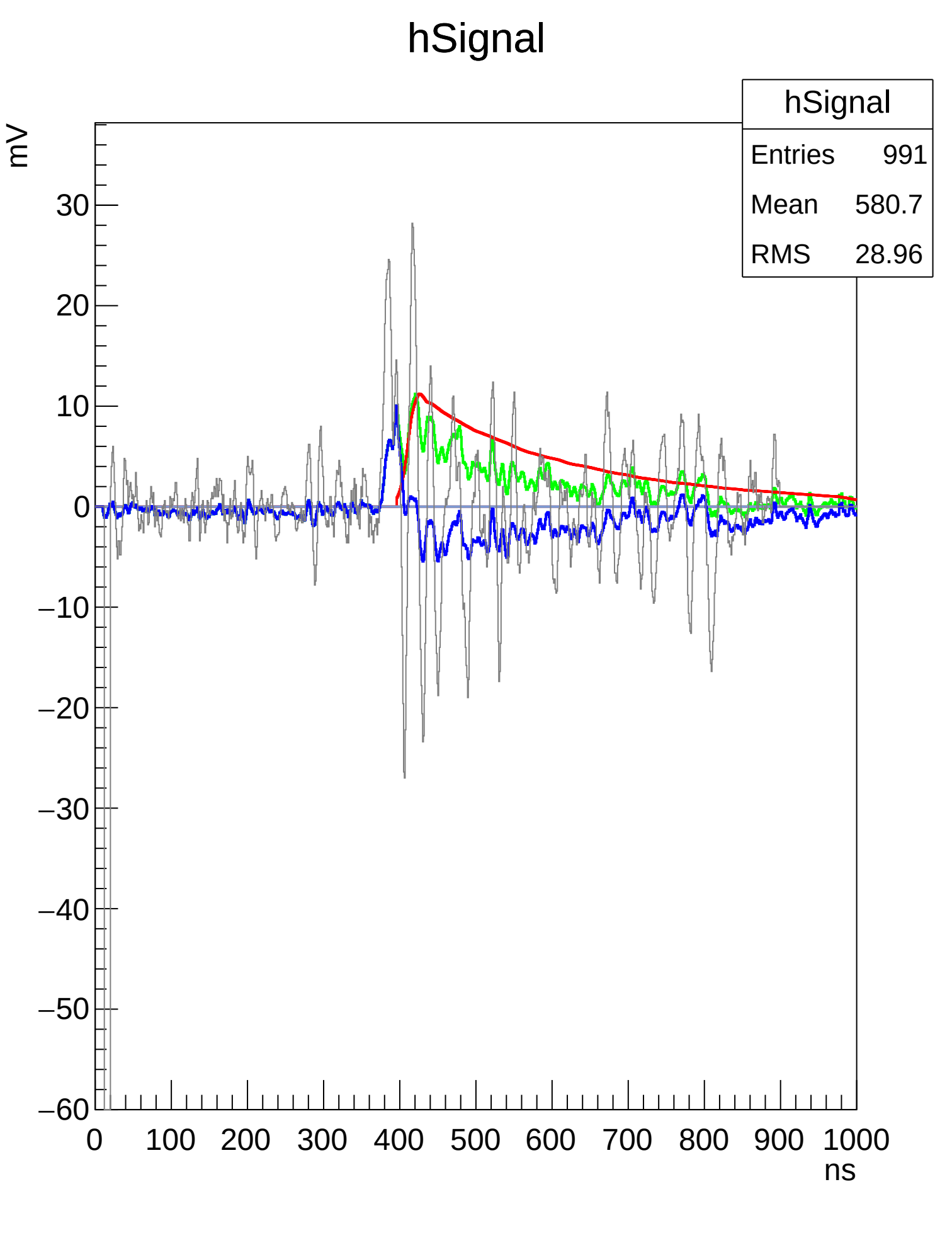
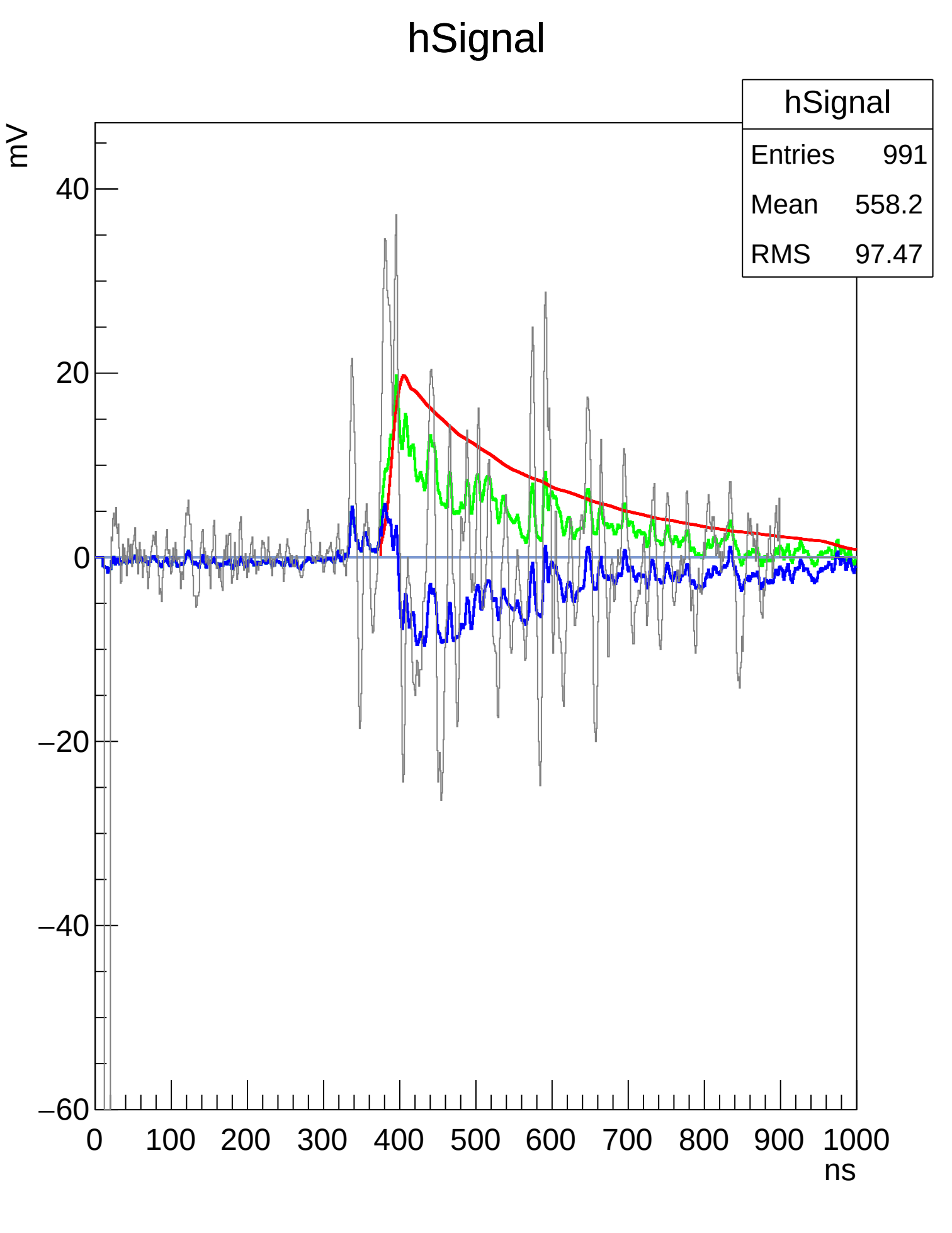
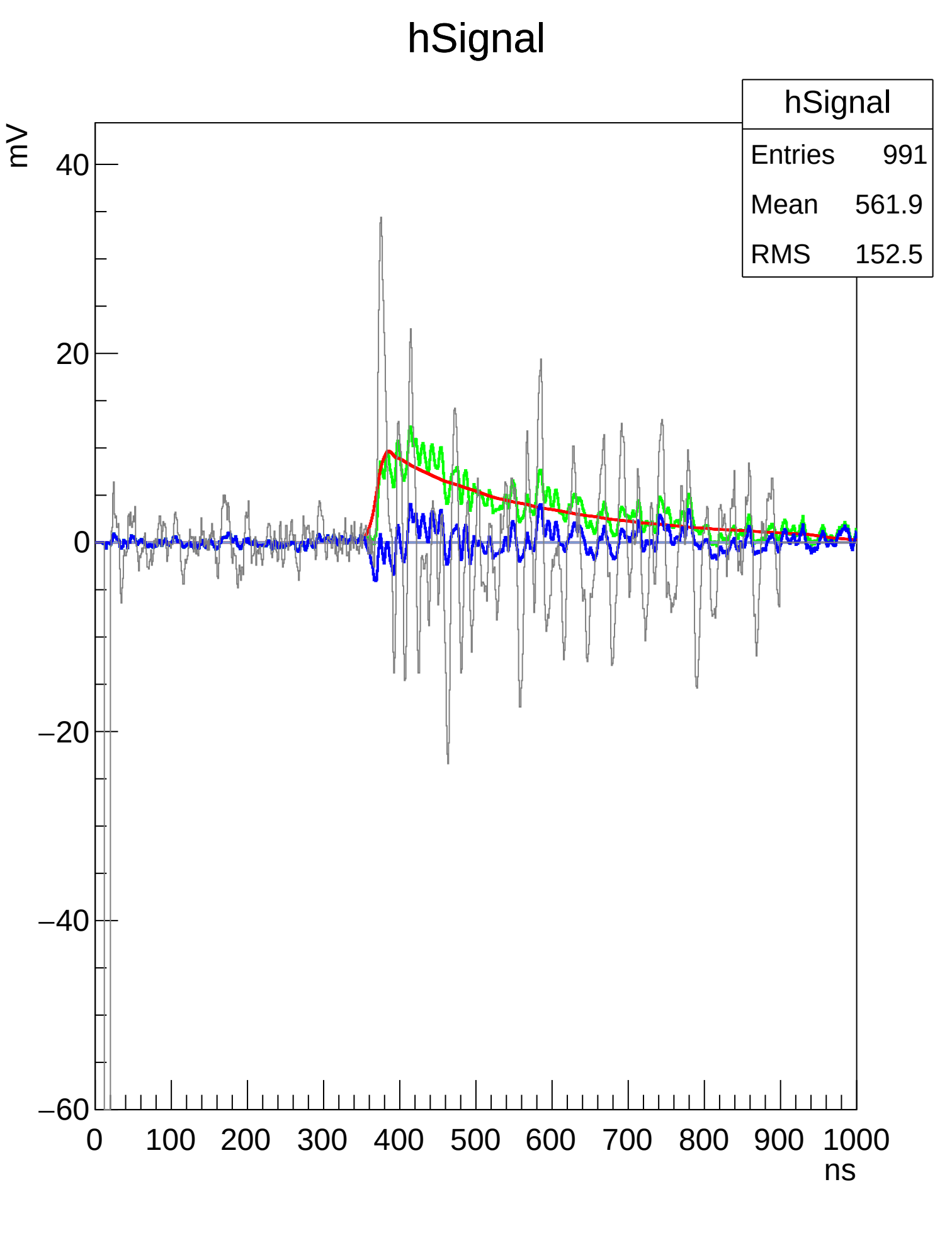
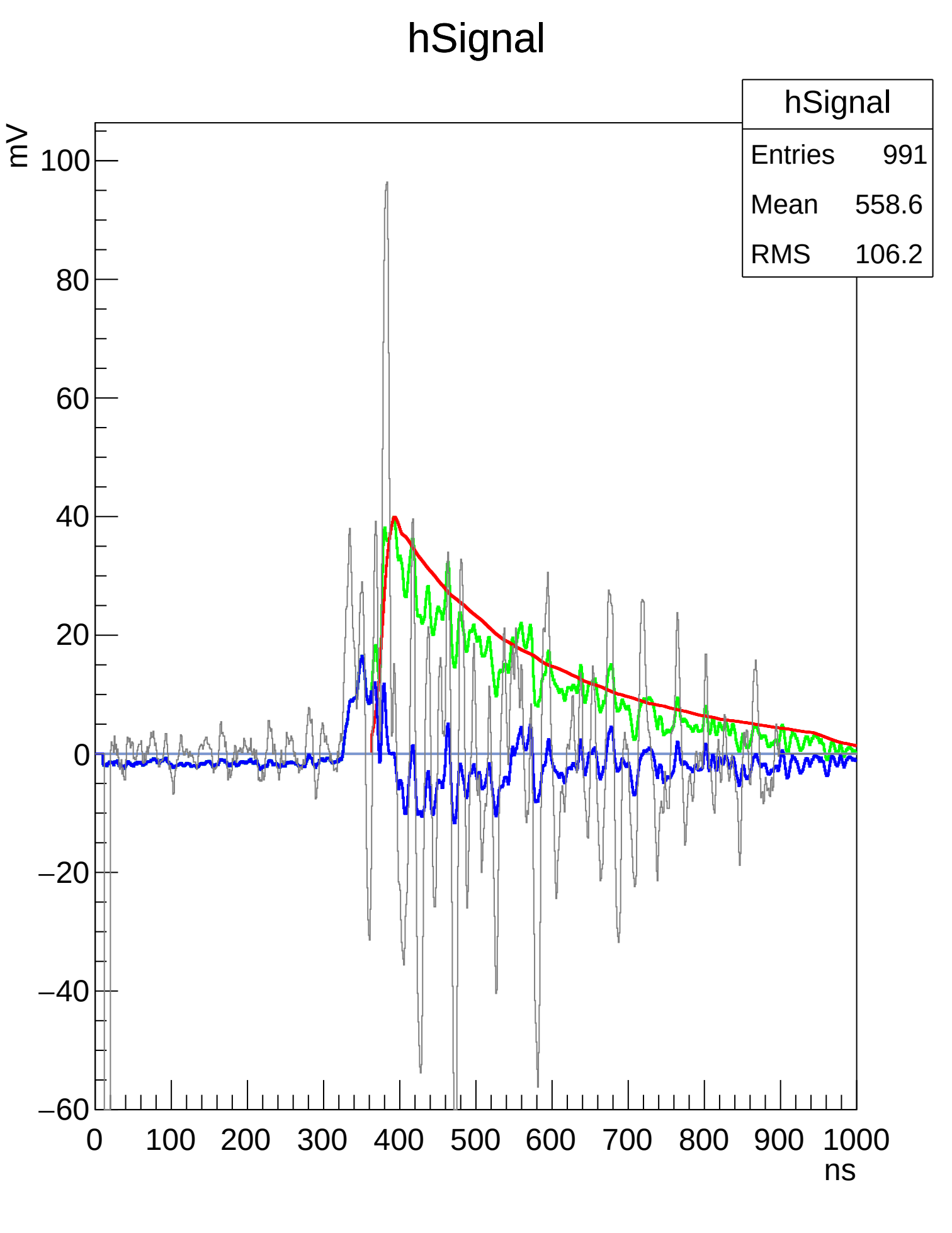
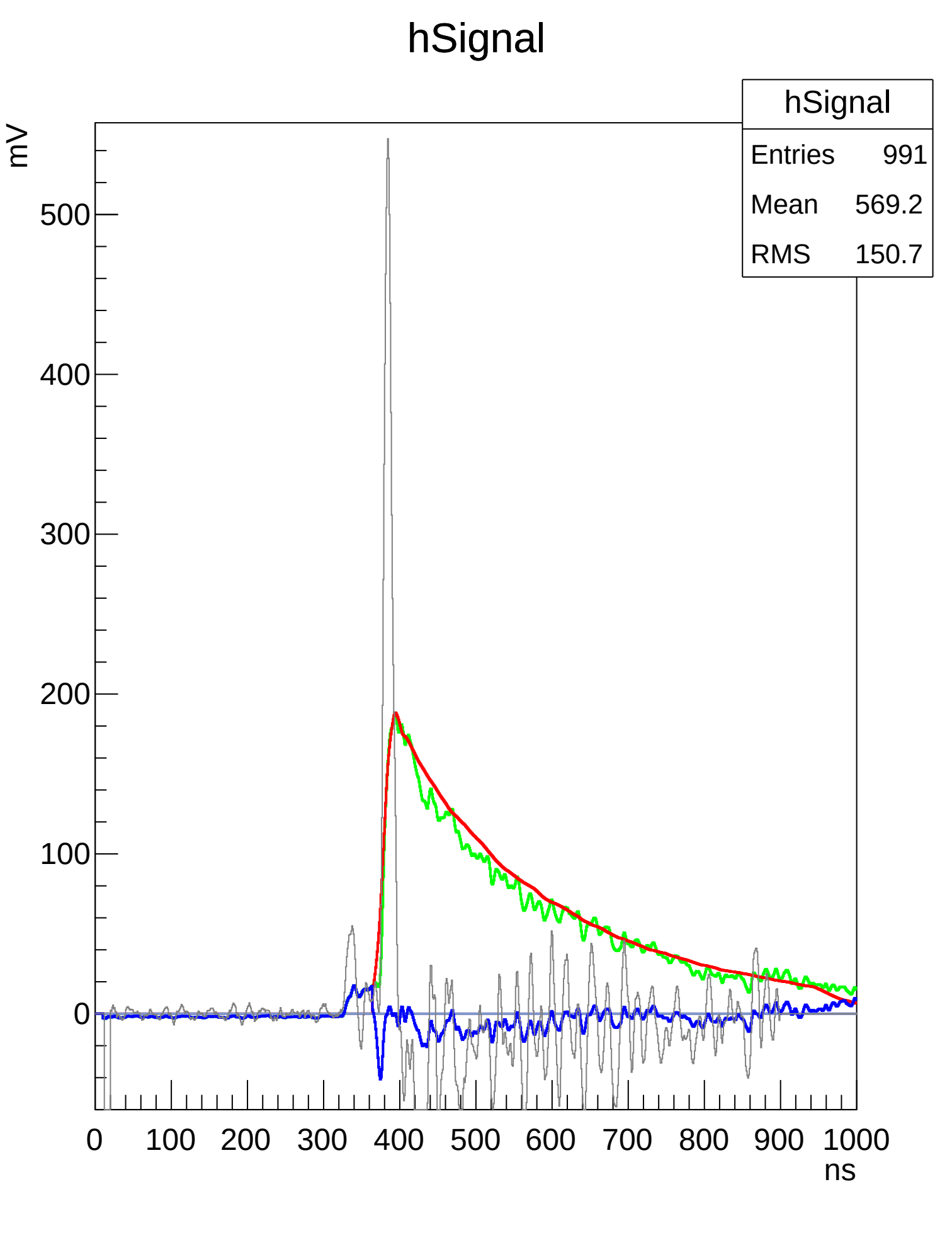
600
700
800
900
1000
ns

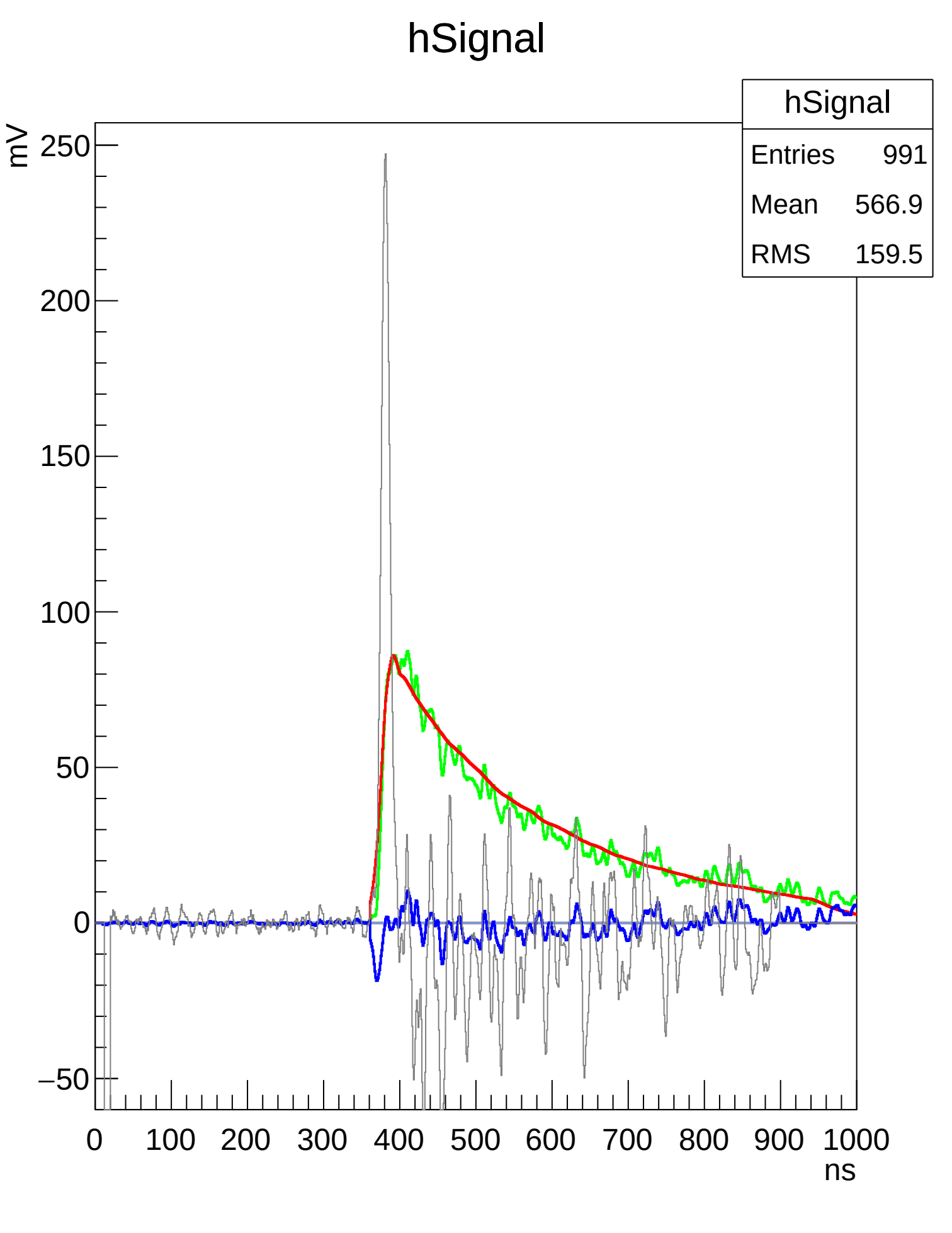

hSignal
hSignal
Entries 991
Mean 580.7
RMS 28.96
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

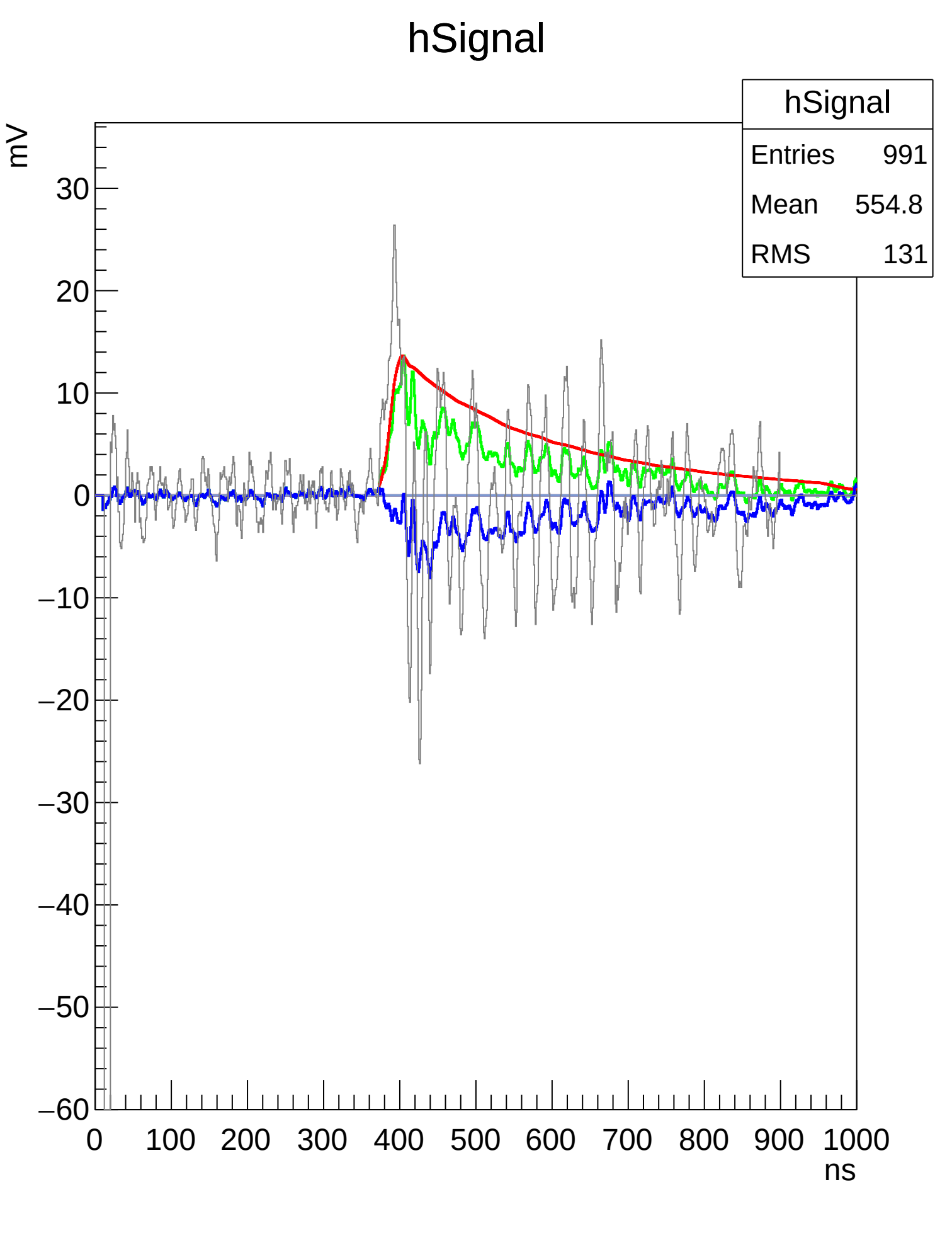

hSignal
hSignal
Entries 991
Mean 558.2
RMS 97.47
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.9
RMS 152.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.6
RMS 106.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.2
RMS 150.7
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 159.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.8
RMS 131
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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800
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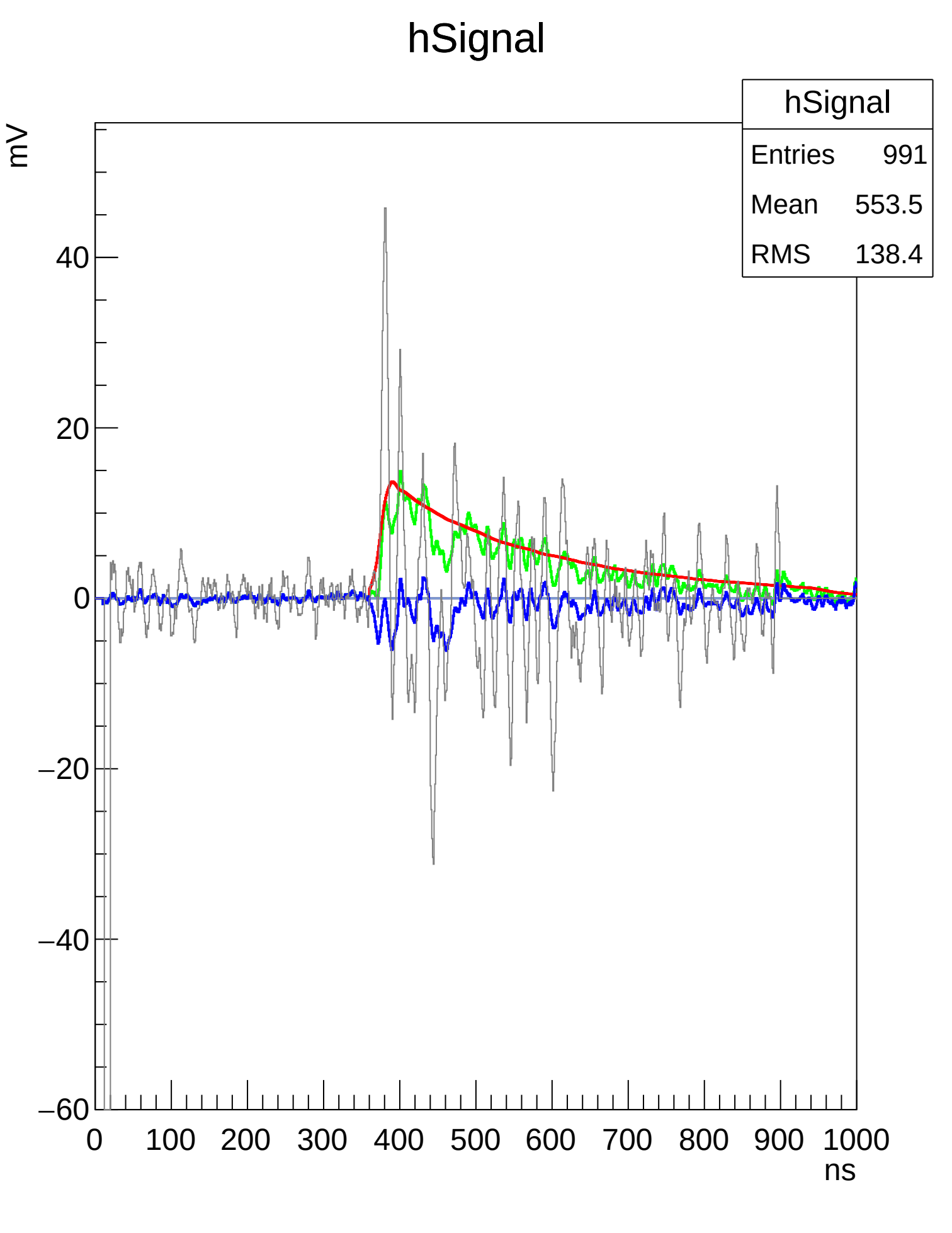
1000
ns


hSignal
hSignal
Entries 991
Mean 553.5
RMS 138.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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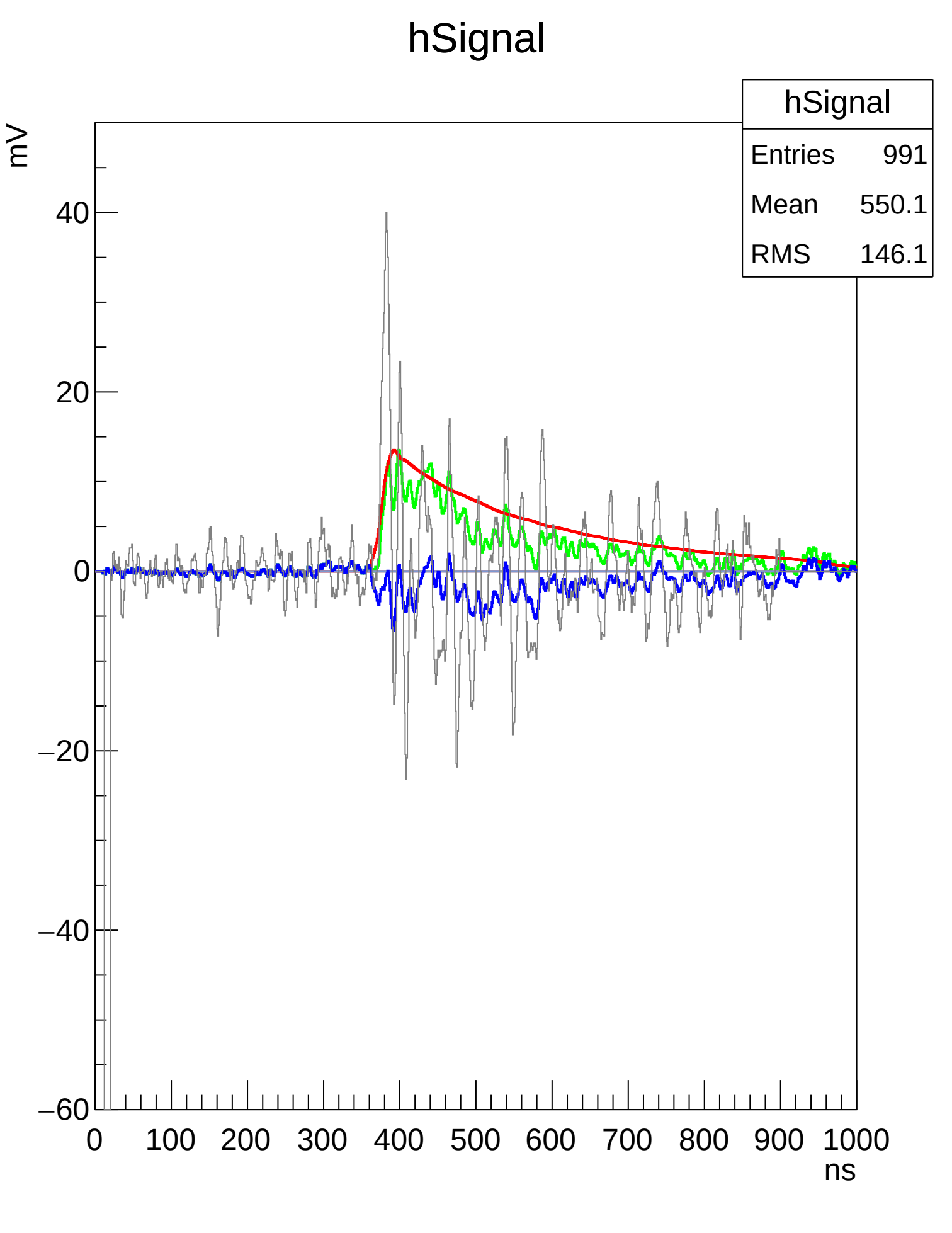
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.1
RMS 146.1
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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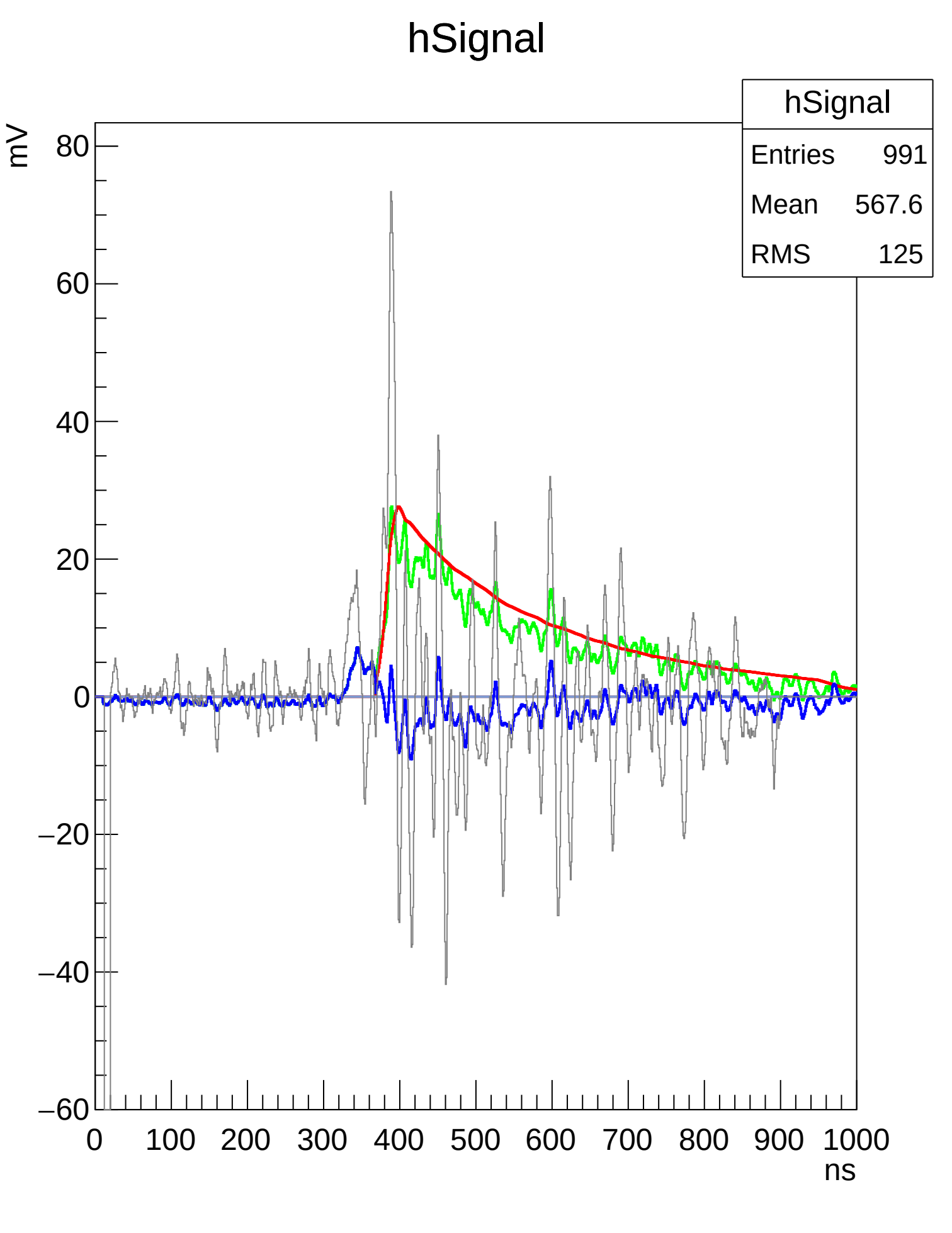
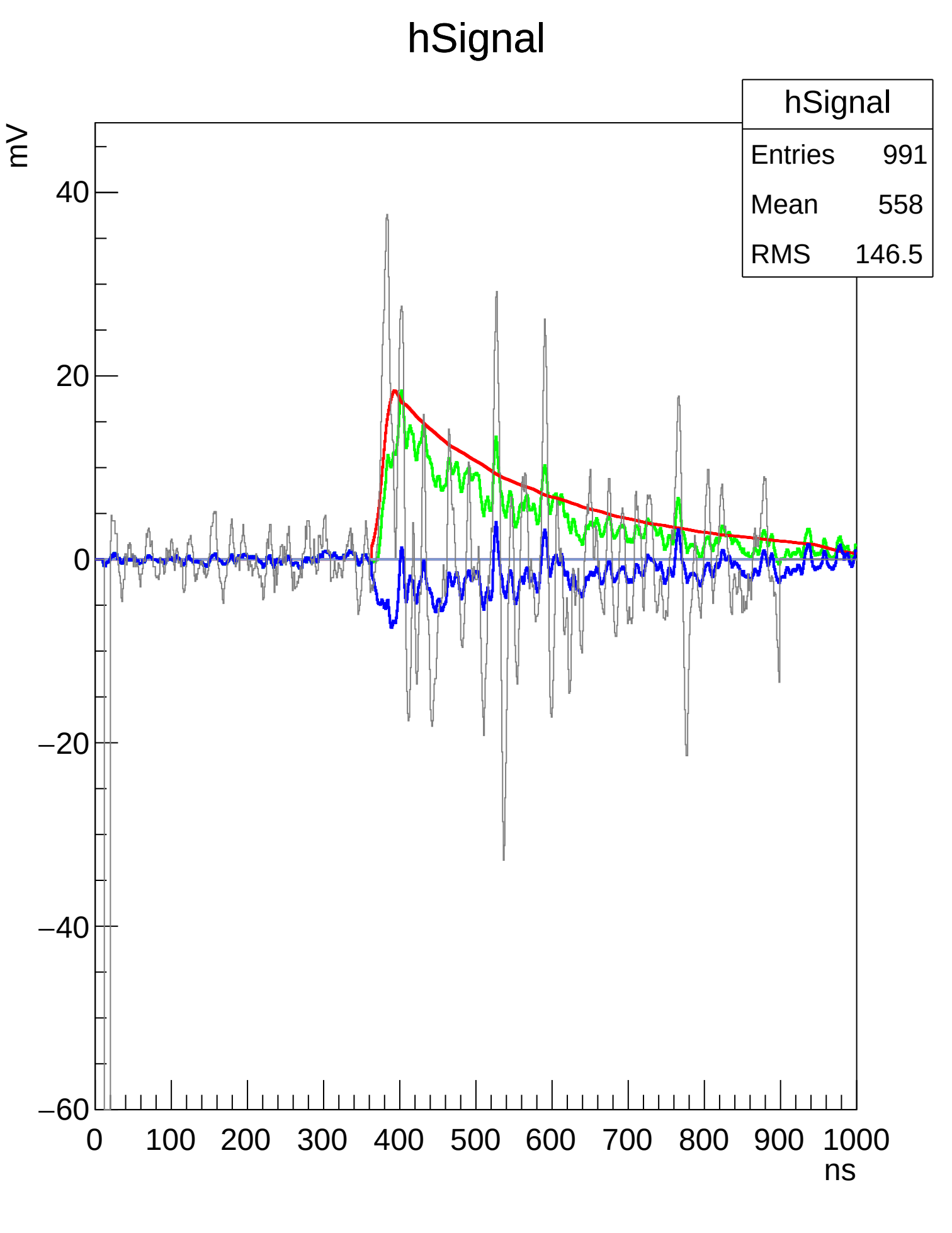
1000
ns


hSignal
hSignal
Entries 991
Mean 567.6
RMS 125
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 146.5
mV
40
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−20
−40
−60
0
100
200
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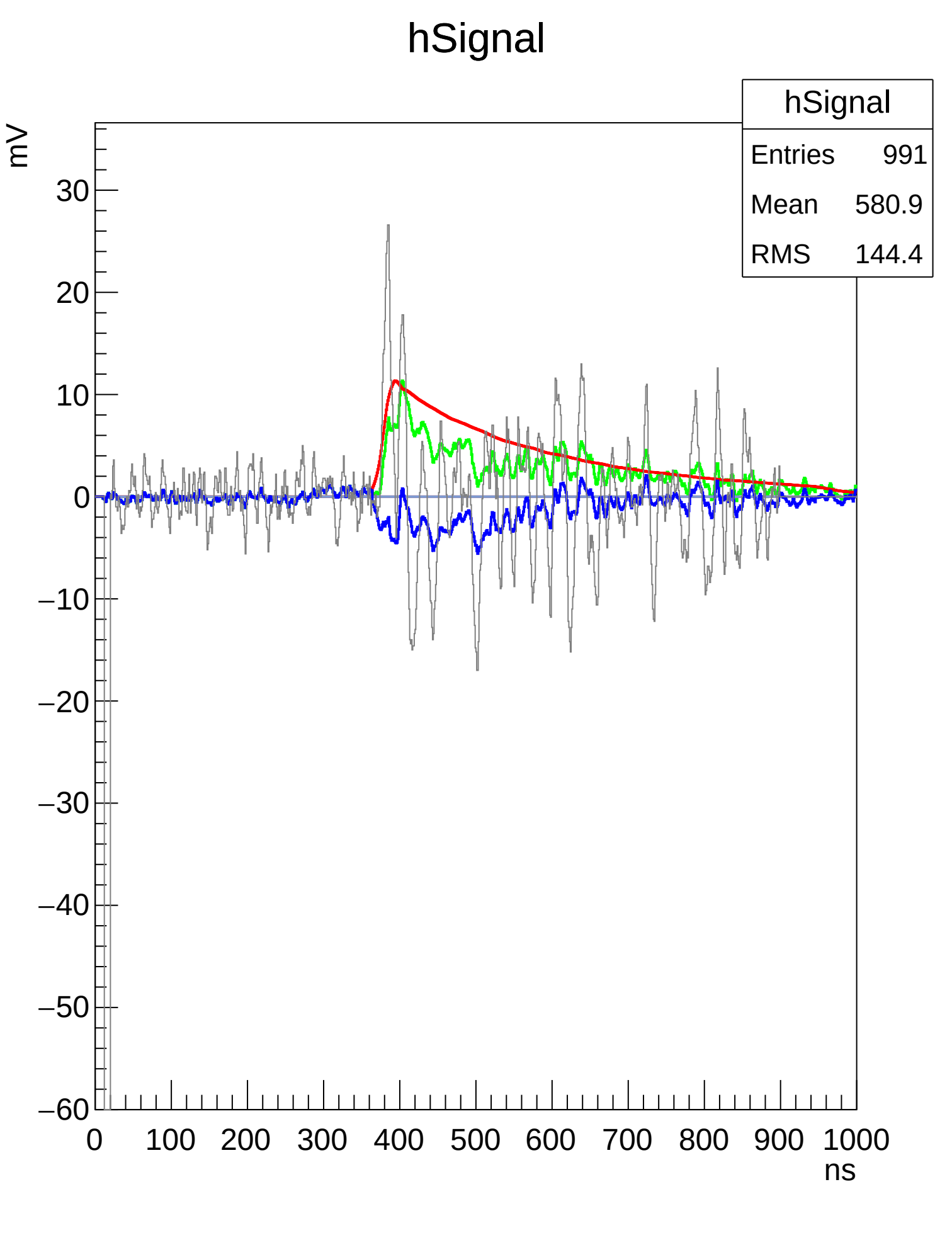
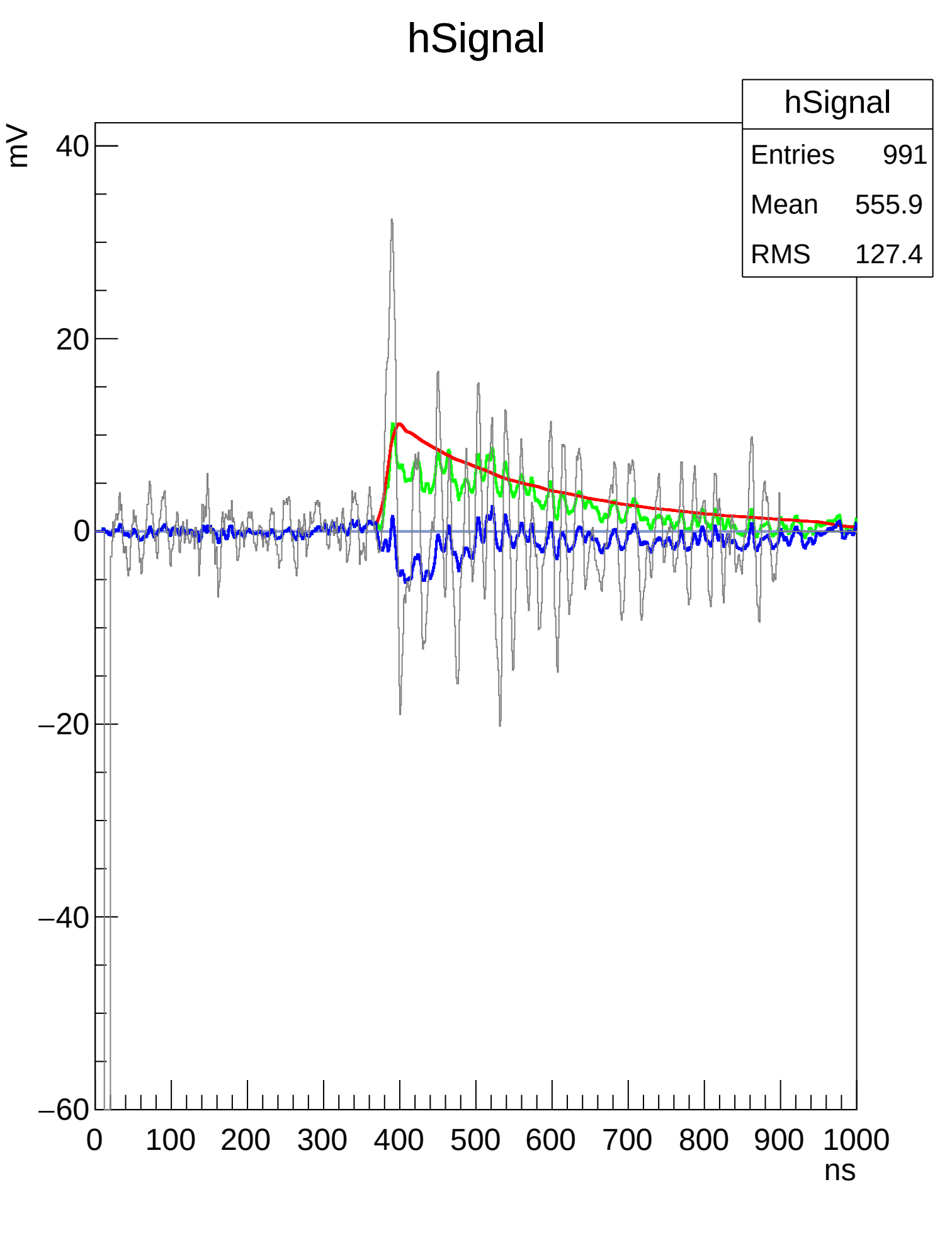
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.9
RMS 144.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.9
RMS 127.4
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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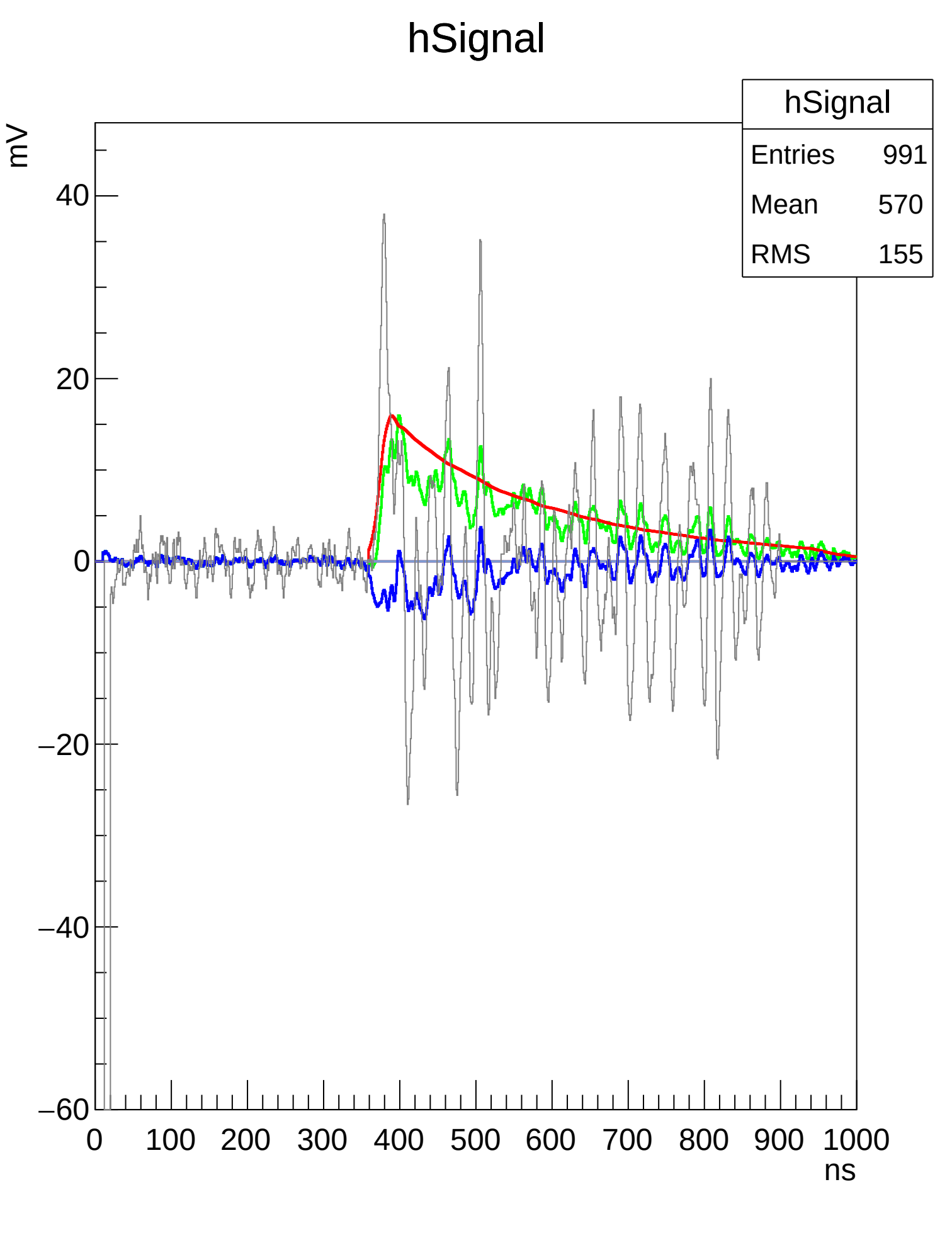
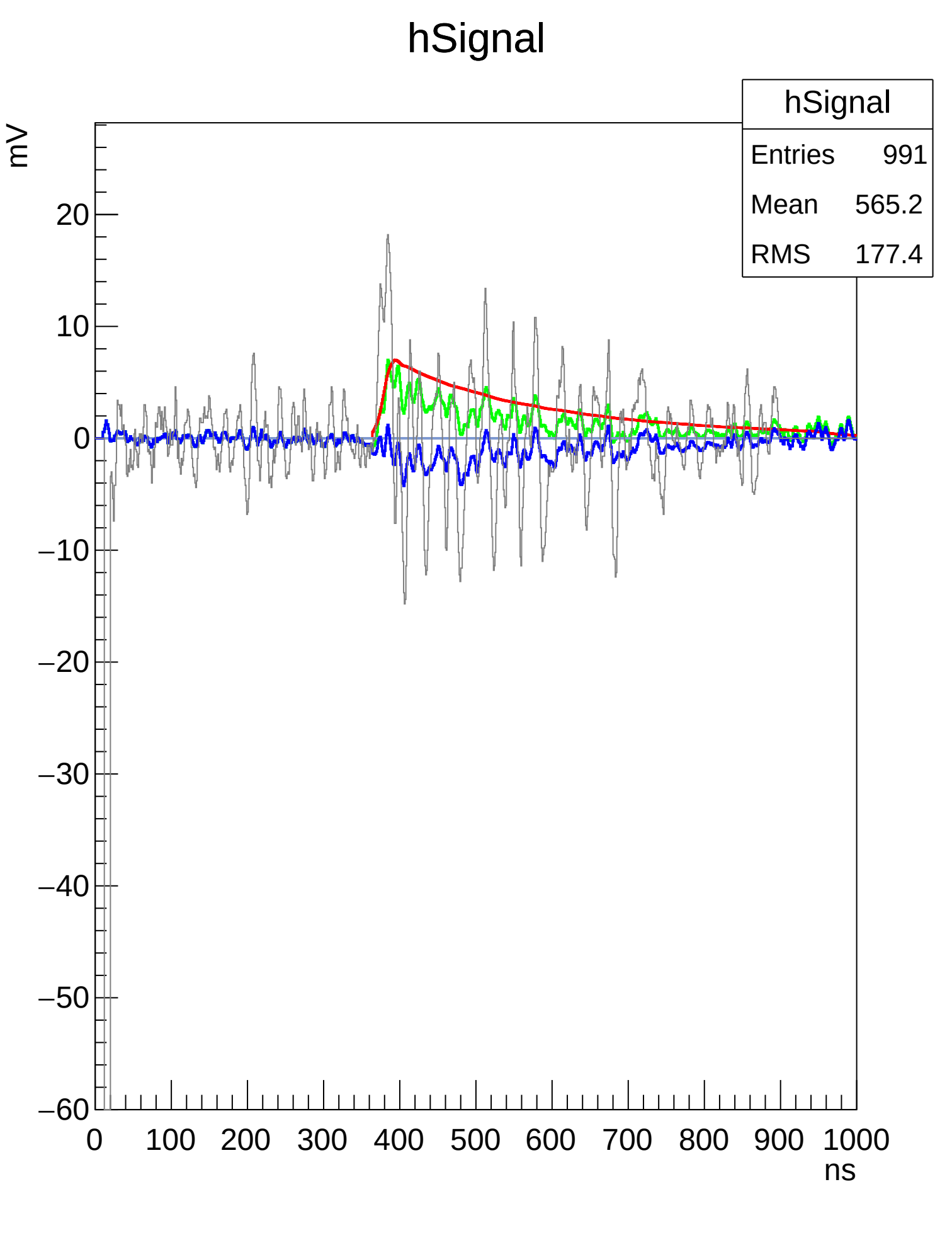
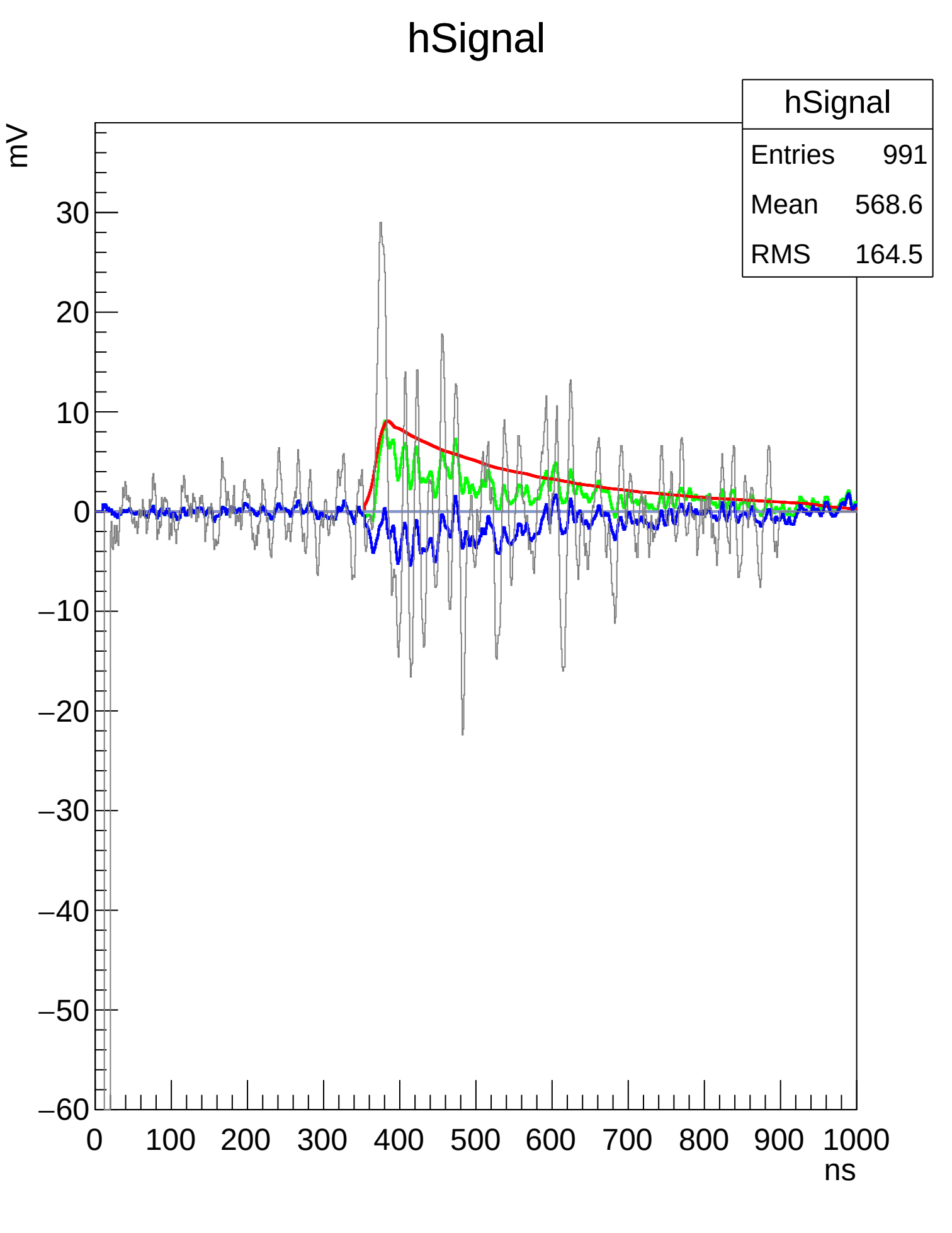
1000
ns


hSignal
hSignal
Entries 991
Mean 570
RMS 155
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.2
RMS 177.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.6
RMS 164.5
mV
30
20
10
0
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−20
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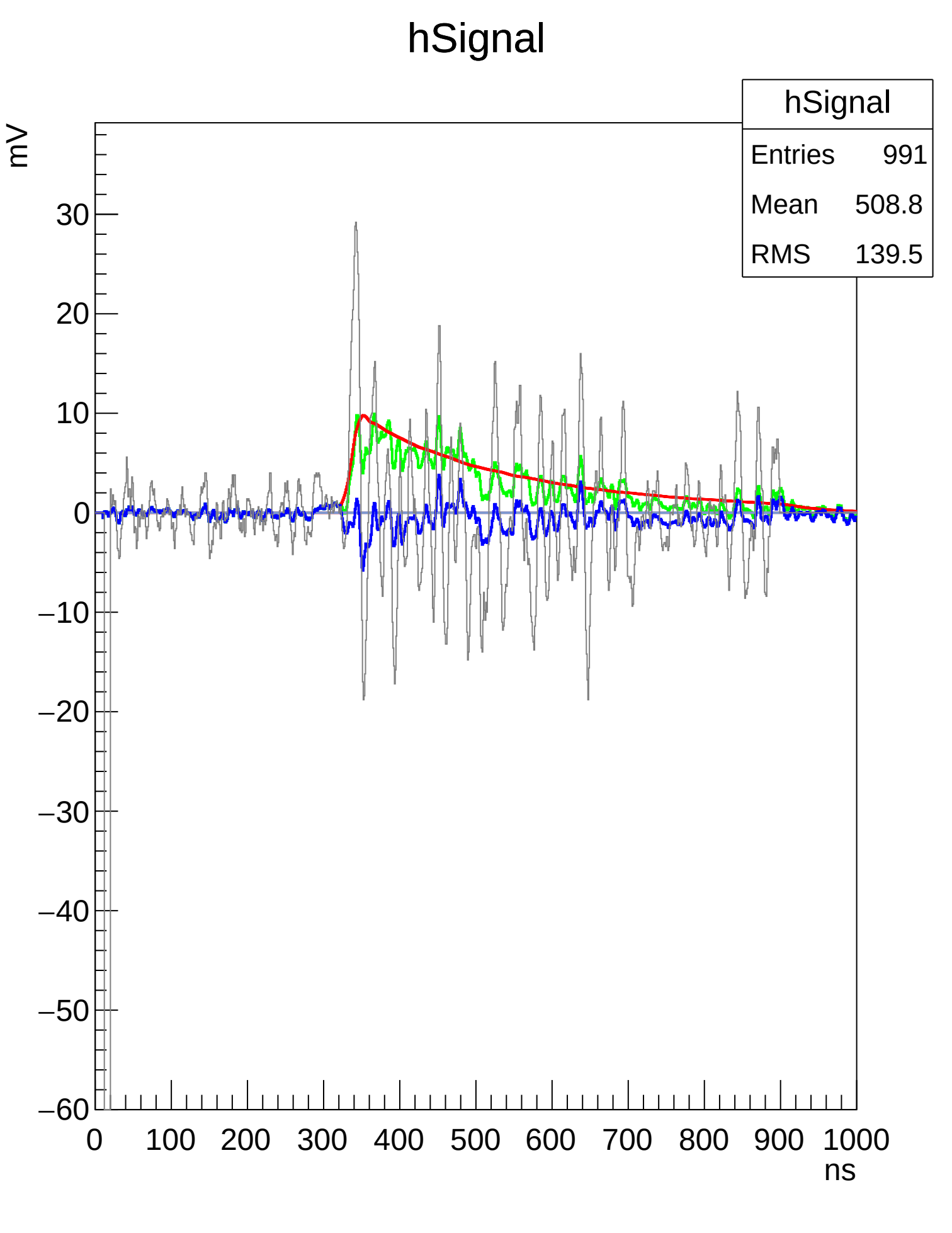
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.8
RMS 139.5
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
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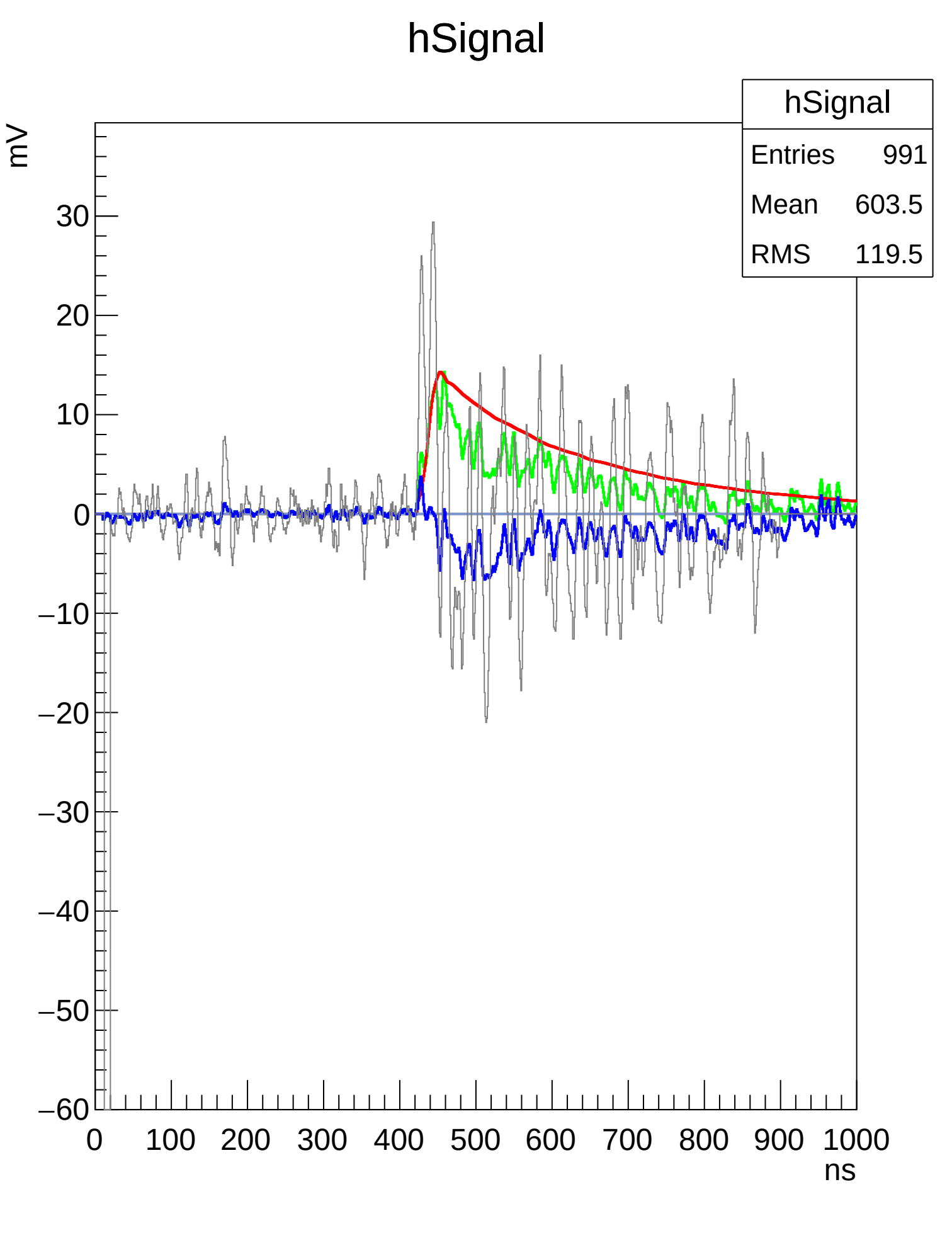
hSignal
hSignal
Entries 991
Mean 603.5
RMS 119.5
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
300
400
500
600
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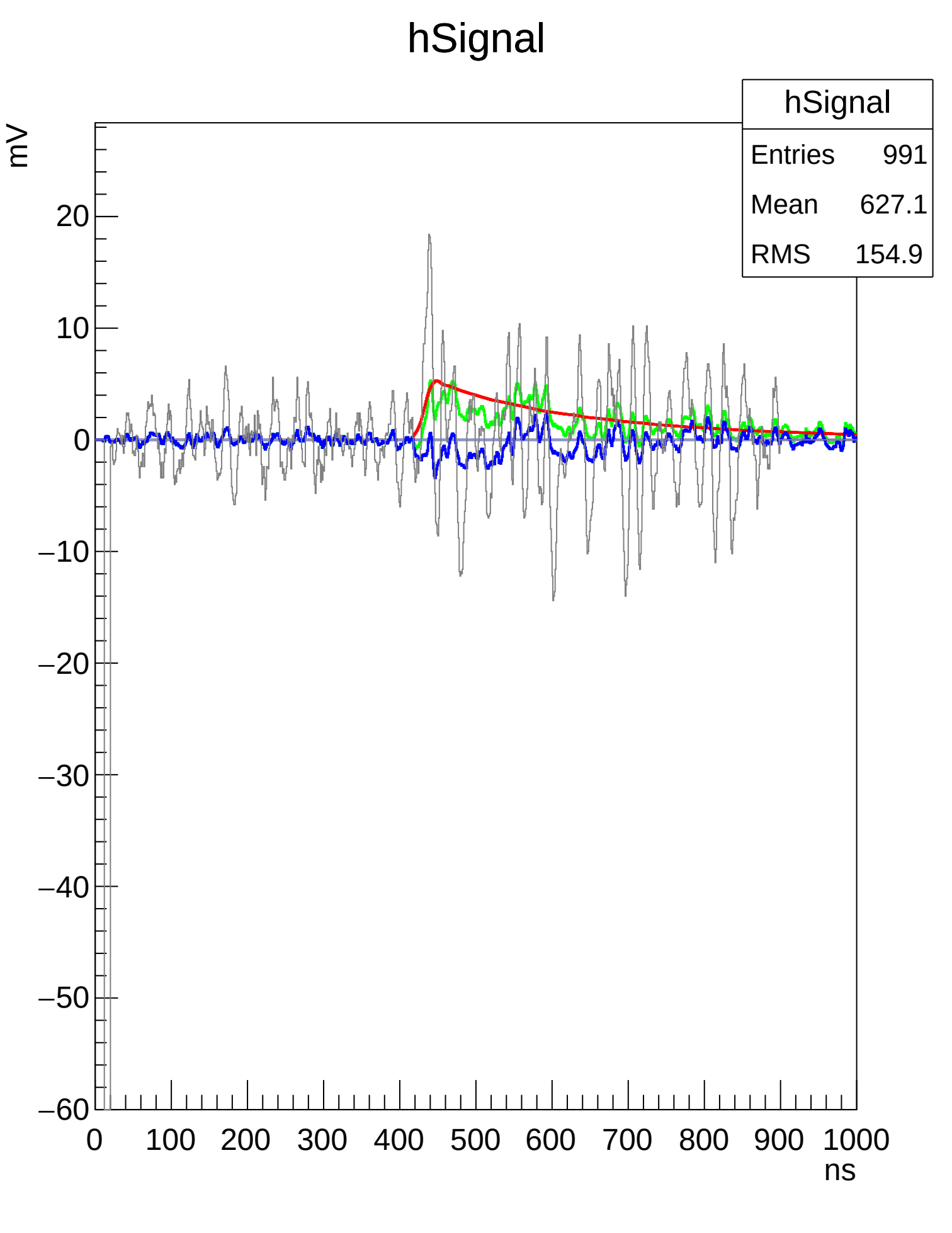
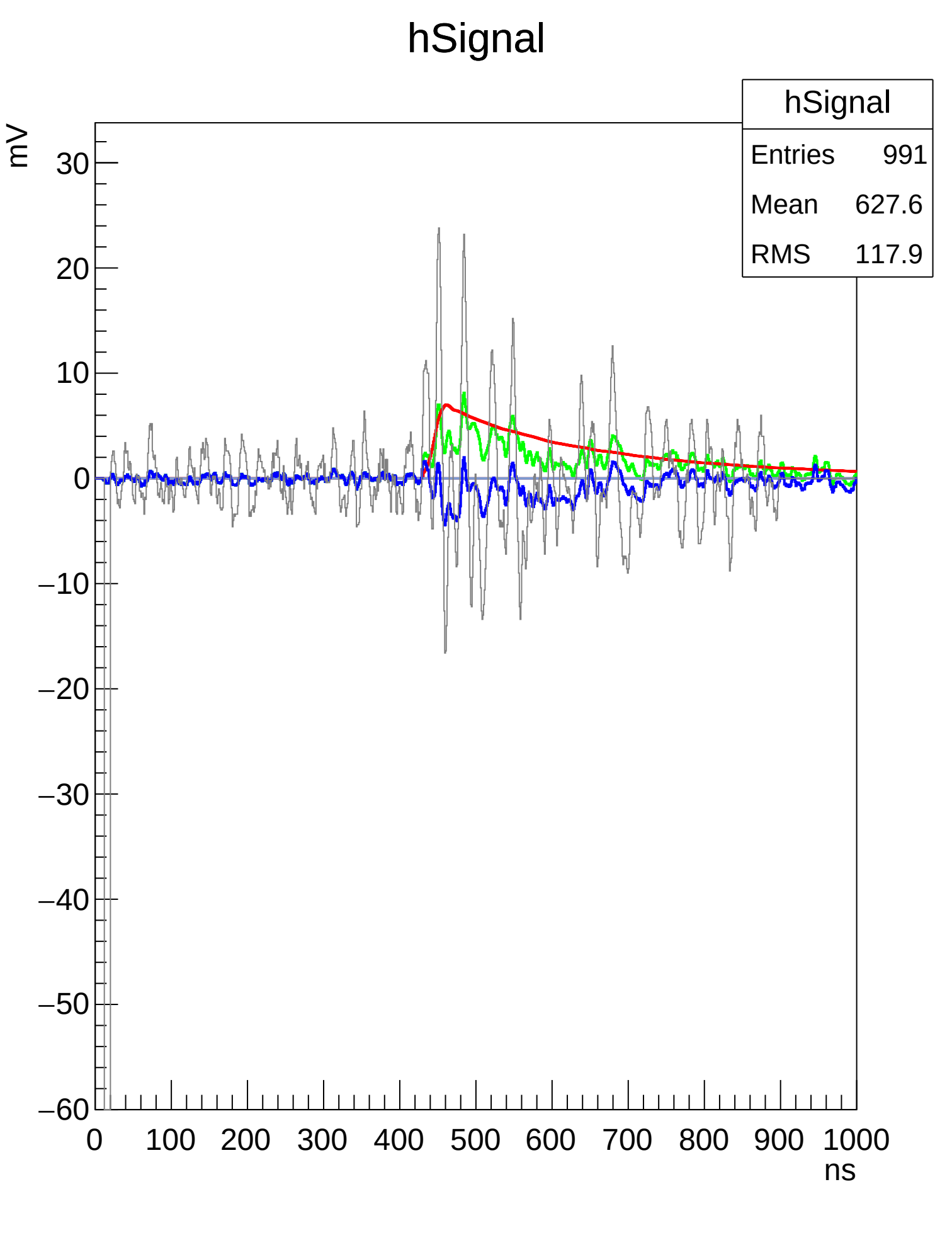
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.1
RMS 154.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.6
RMS 117.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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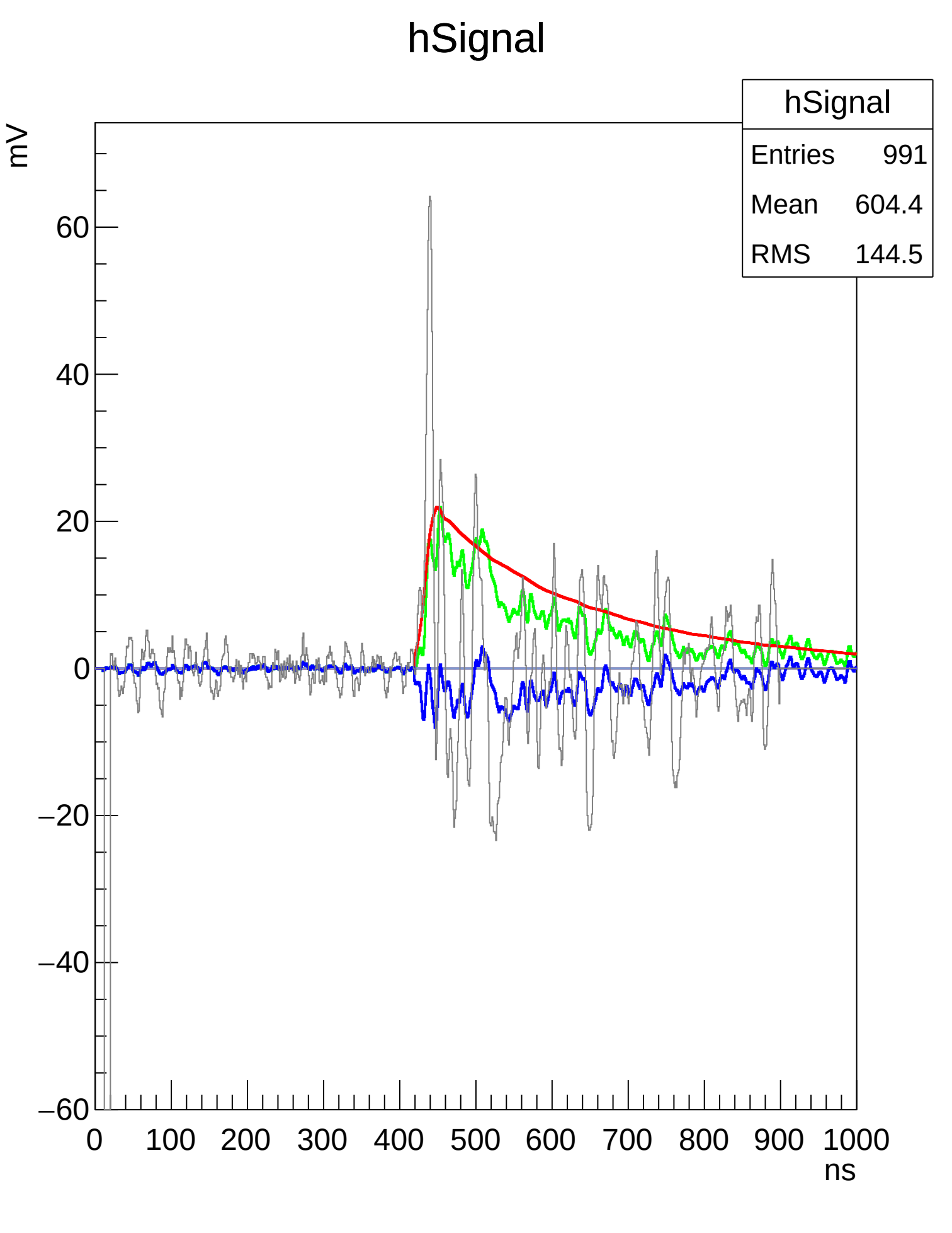
1000
ns


hSignal
hSignal
Entries 991
Mean 604.4
RMS 144.5
mV
60
40
20
0
−20
−40
−60
0
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600
700
800
900
1000
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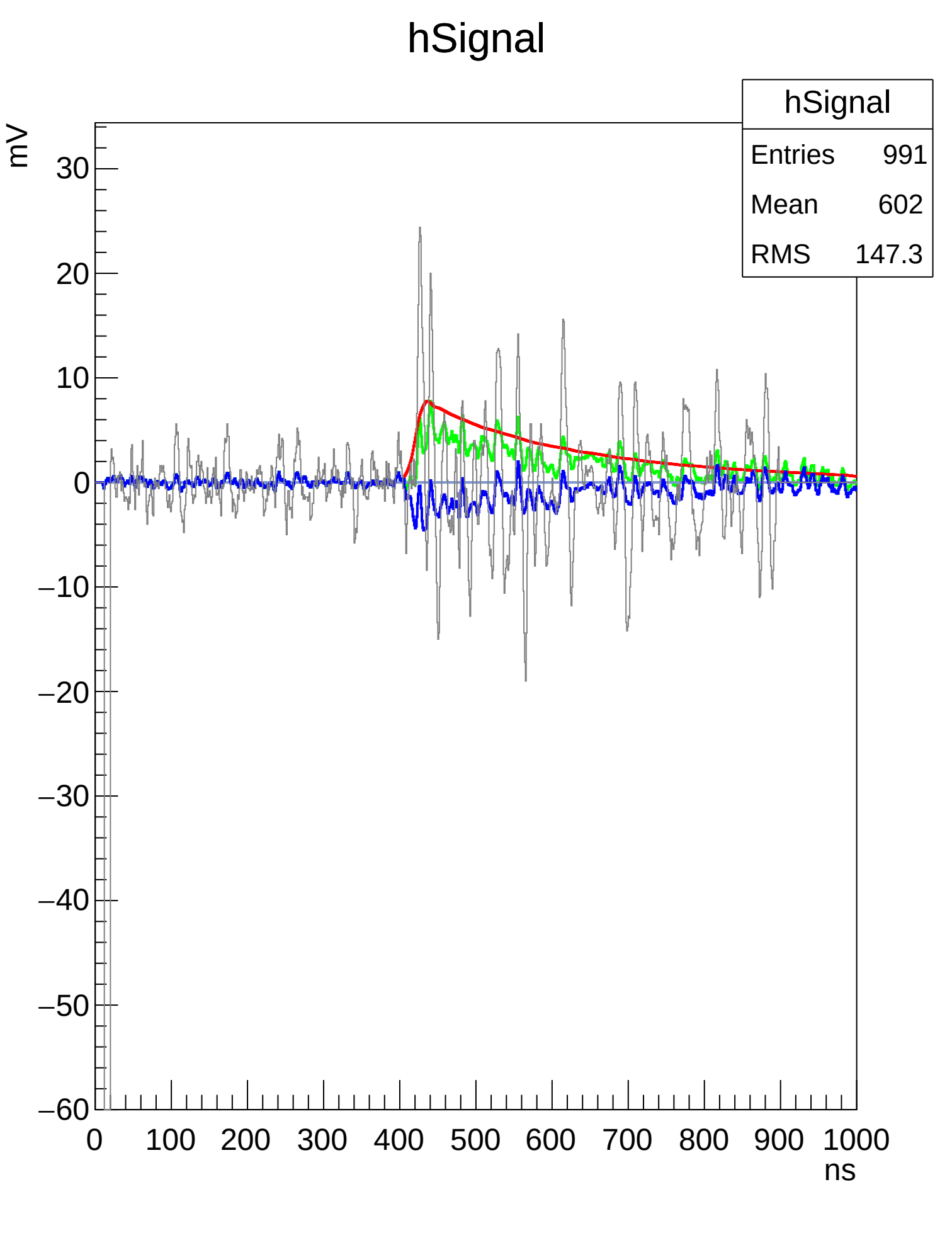
hSignal
hSignal
Entries 991
Mean 602
RMS 147.3
mV
30
20
10
0
−10
−20
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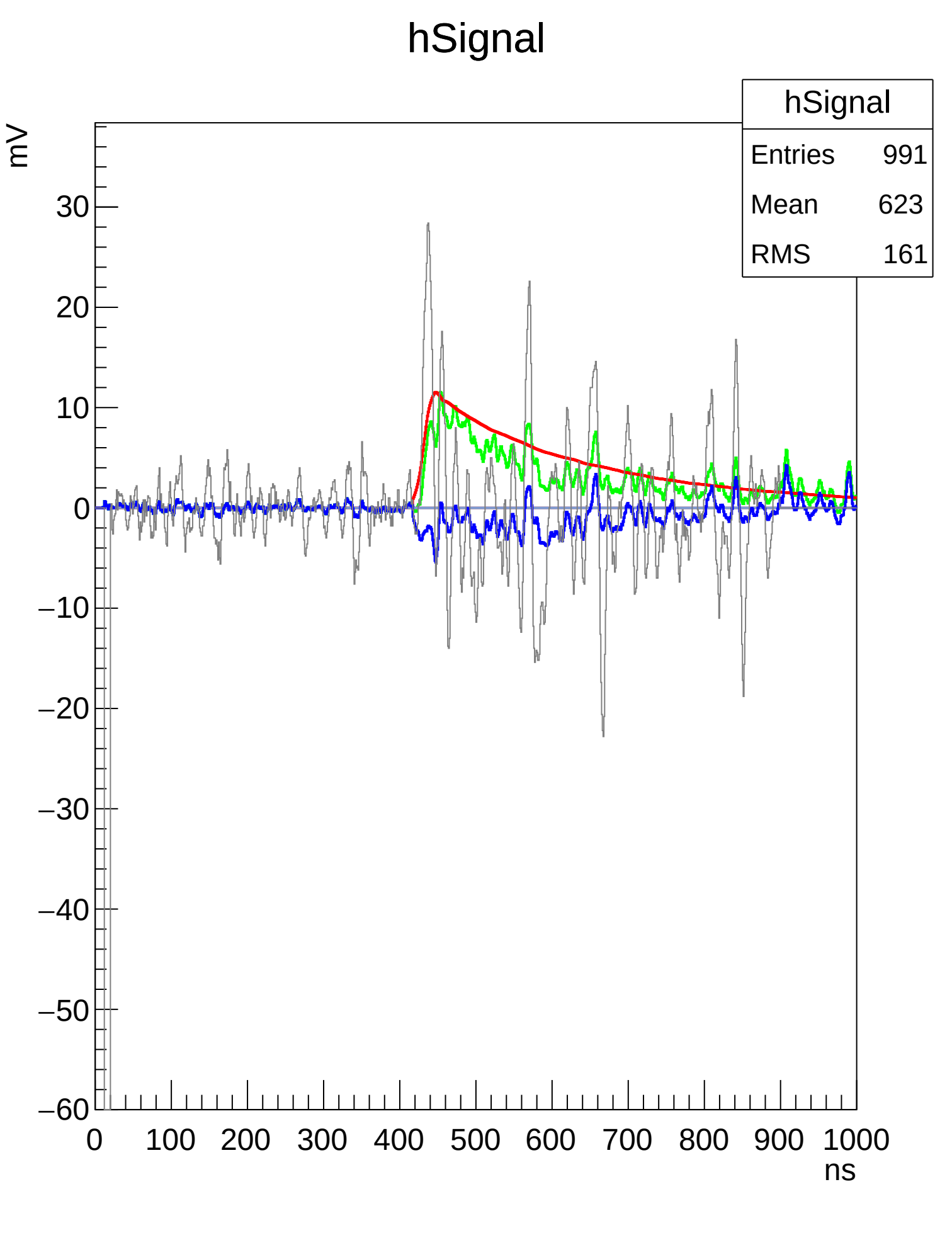
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623
RMS 161
mV
30
20
10
0
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−20
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−40
−50
−60
0
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200
300
400
500
600
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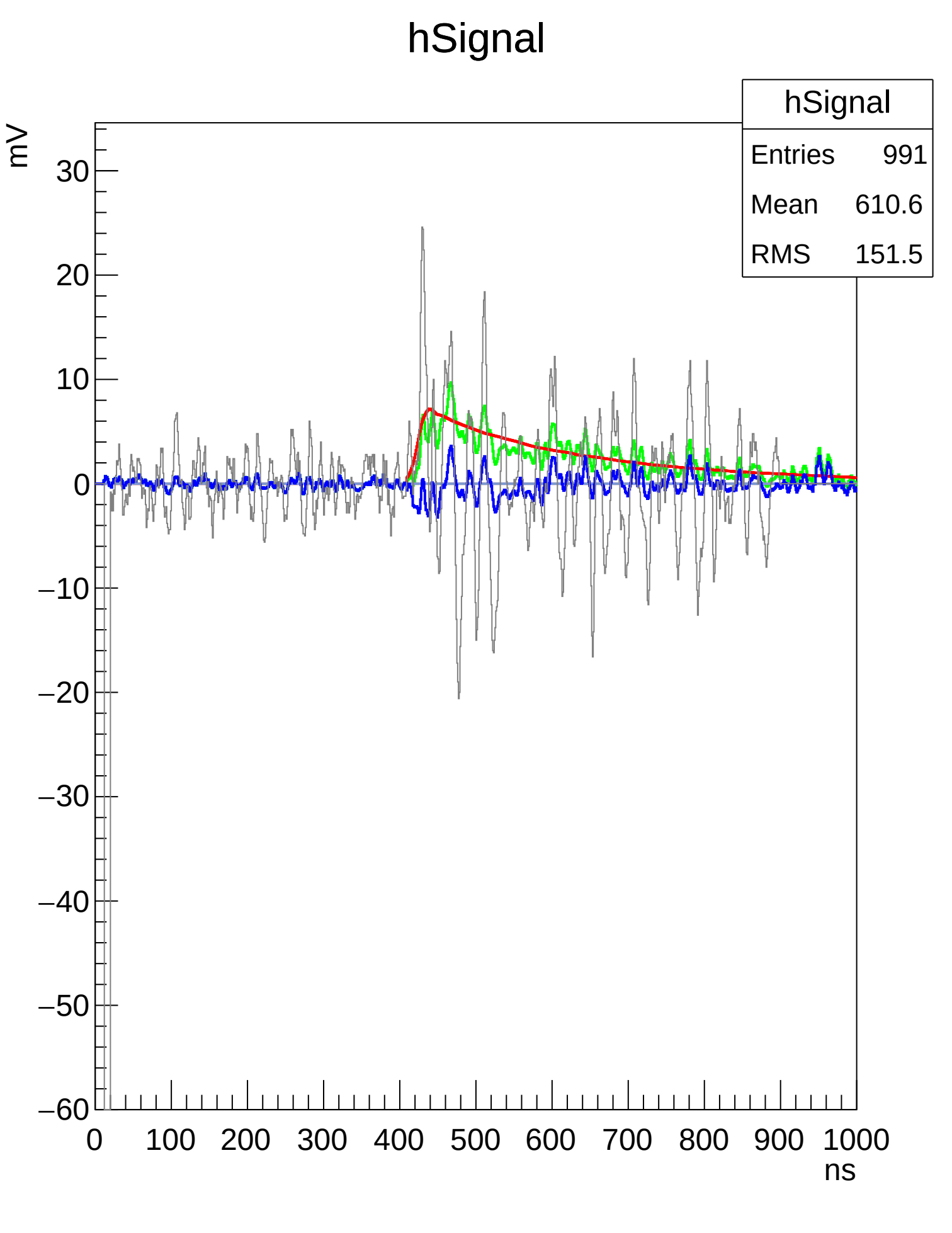
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.6
RMS 151.5
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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800
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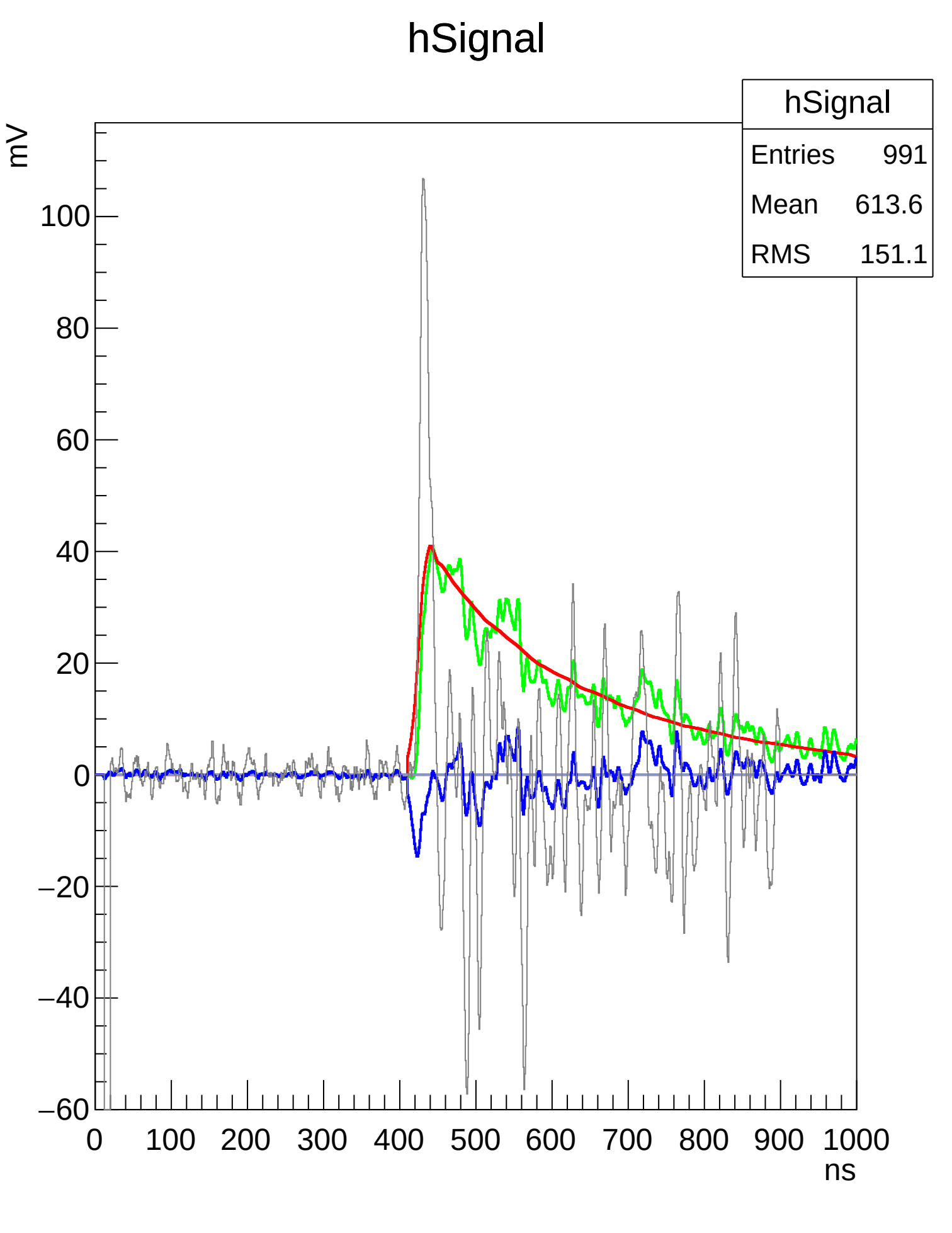
1000
ns


hSignal
hSignal
Entries 991
Mean 613.6
RMS 151.1
mV
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
500
600
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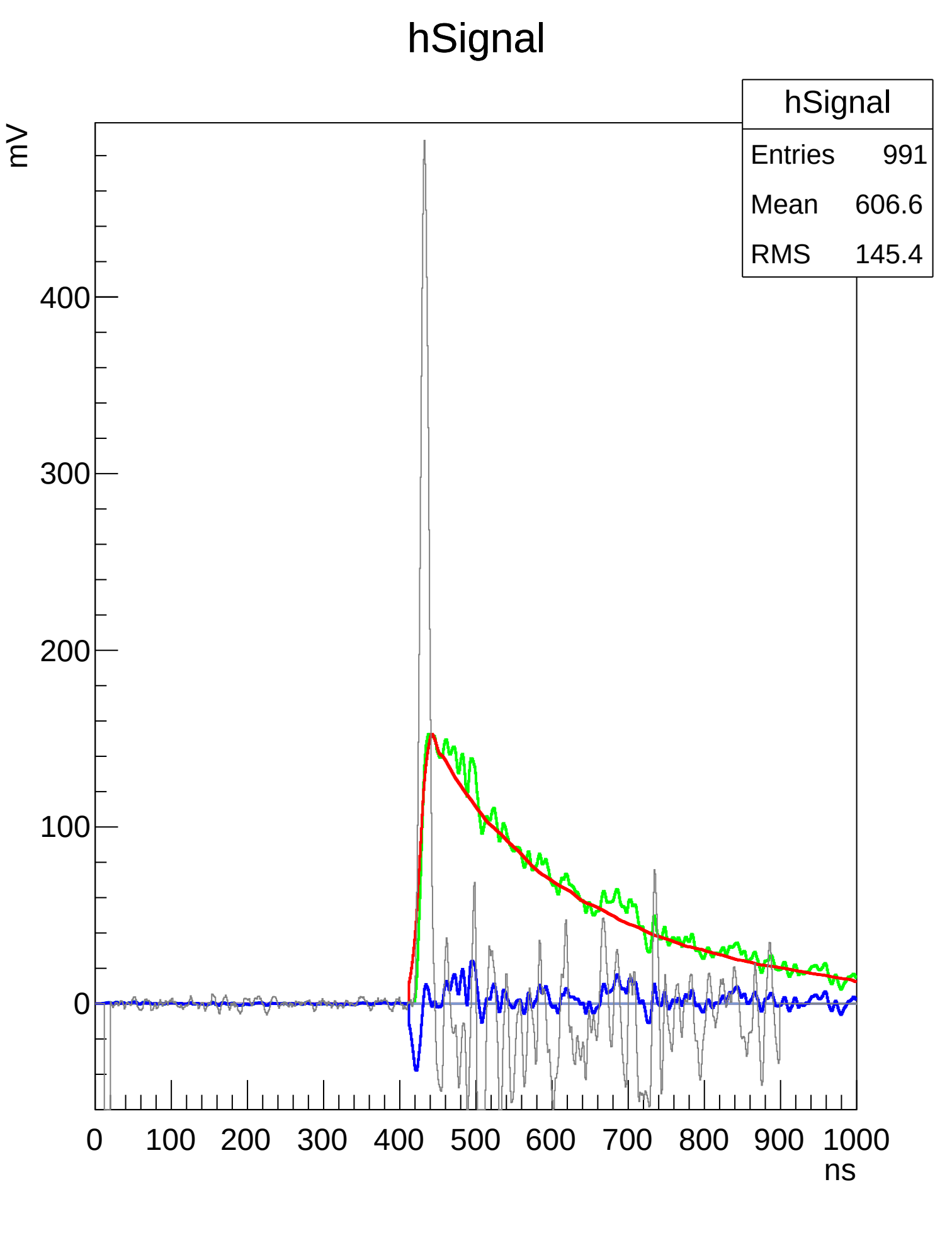
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.6
RMS 145.4
mV
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300
200
100
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0
100
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600
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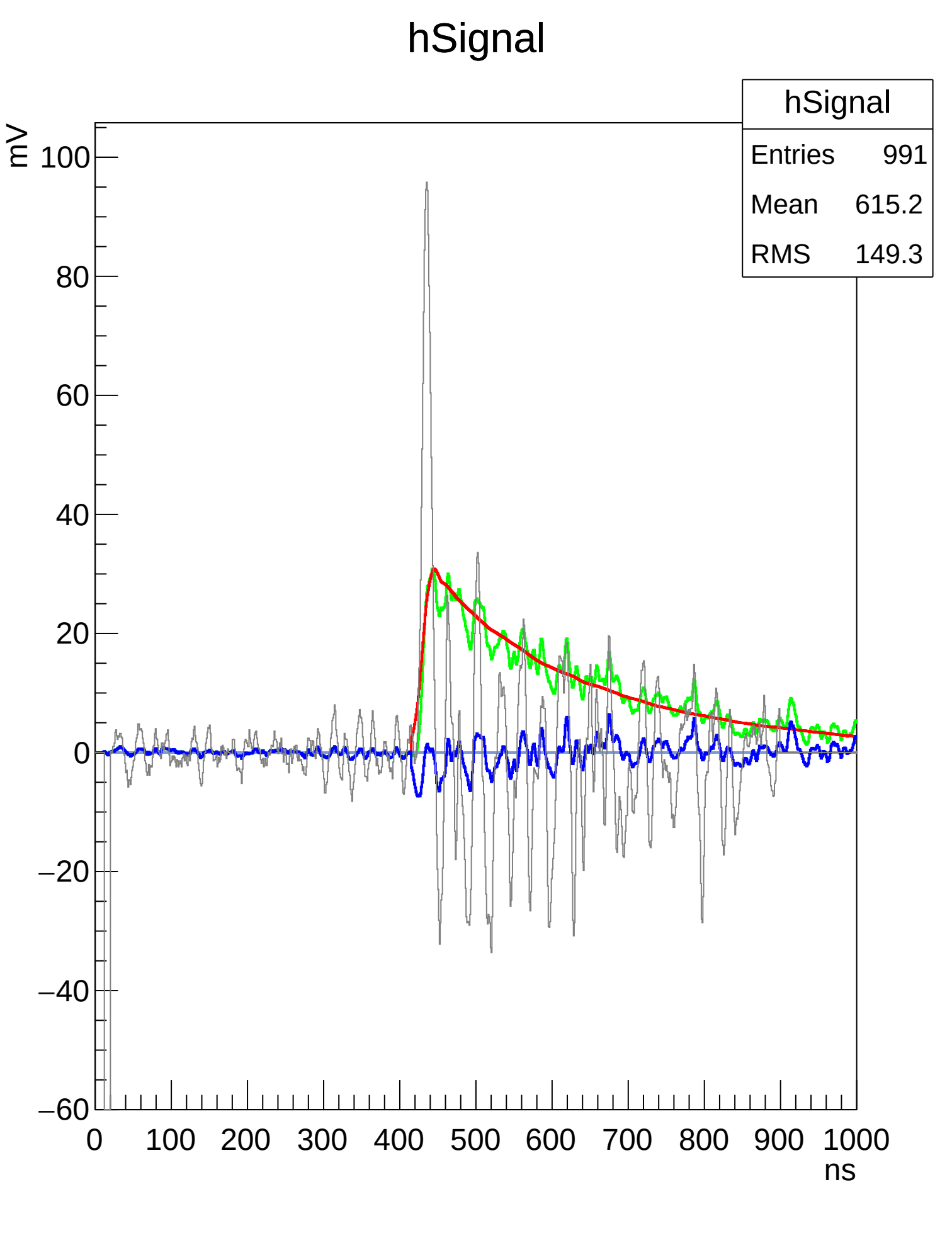
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.2
RMS 149.3
mV
100
80
60
40
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100
200
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400
500
600
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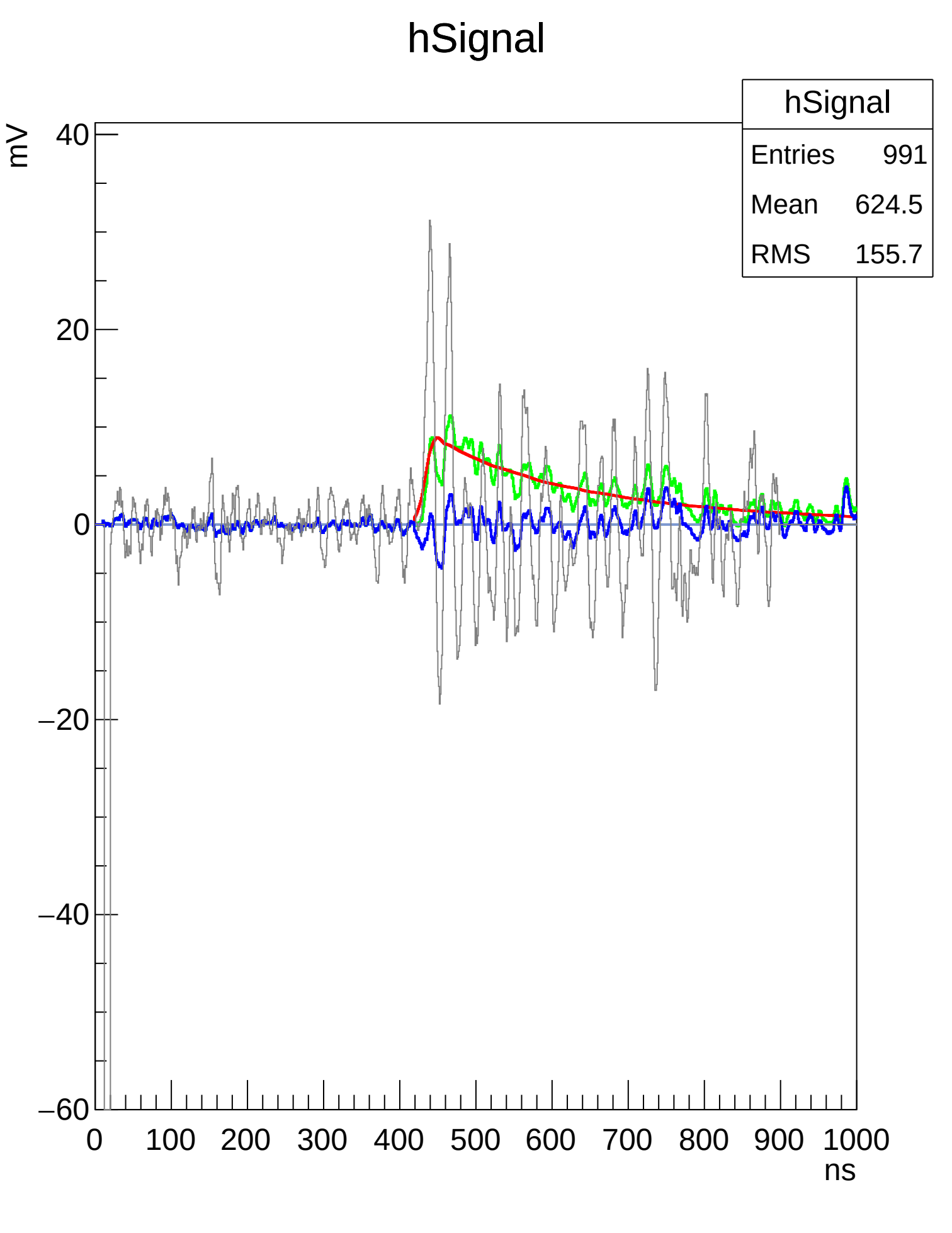
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 624.5
RMS 155.7
mV
40
20
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−20
−40
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0
100
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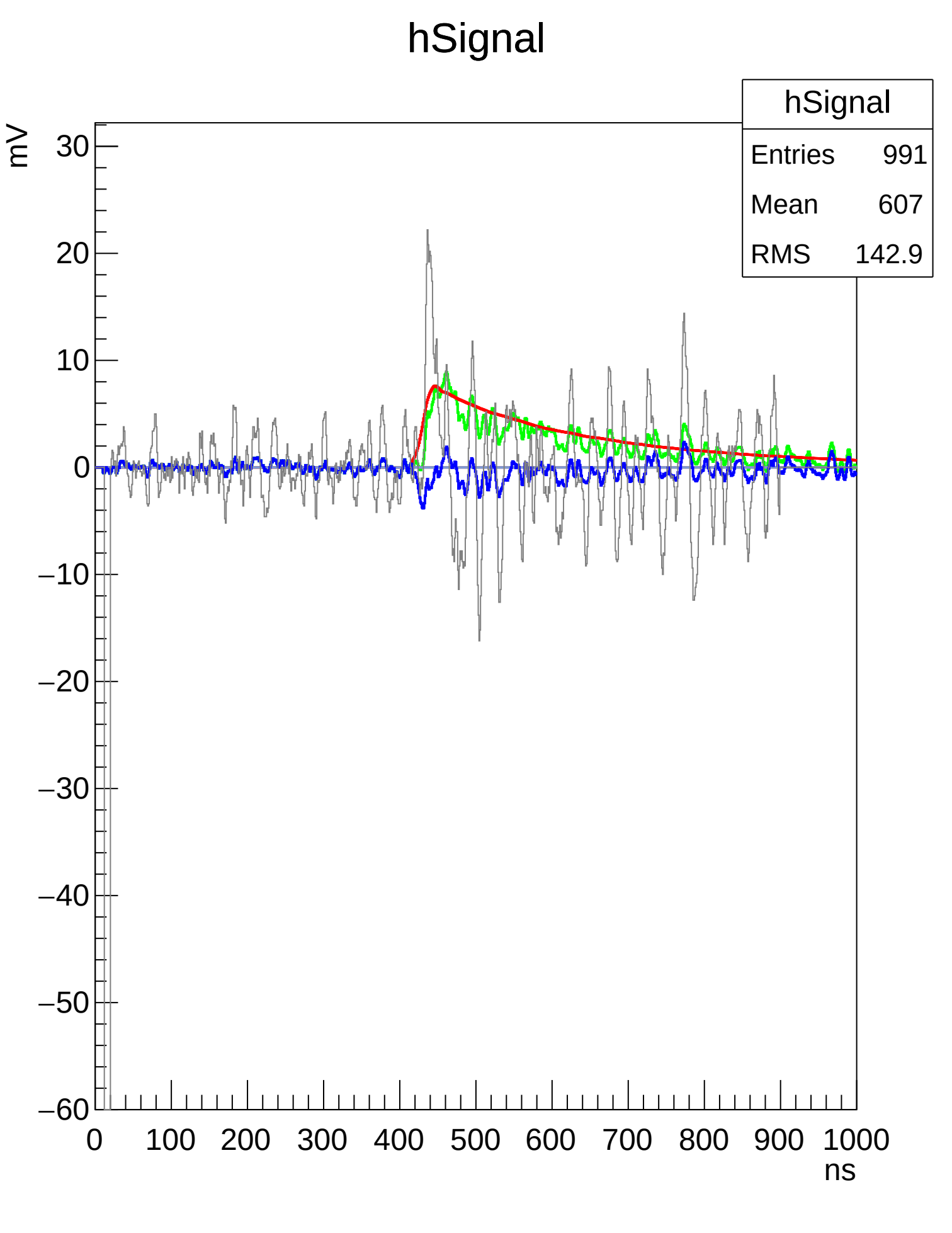
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607
RMS 142.9
mV
30
20
10
0
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−50
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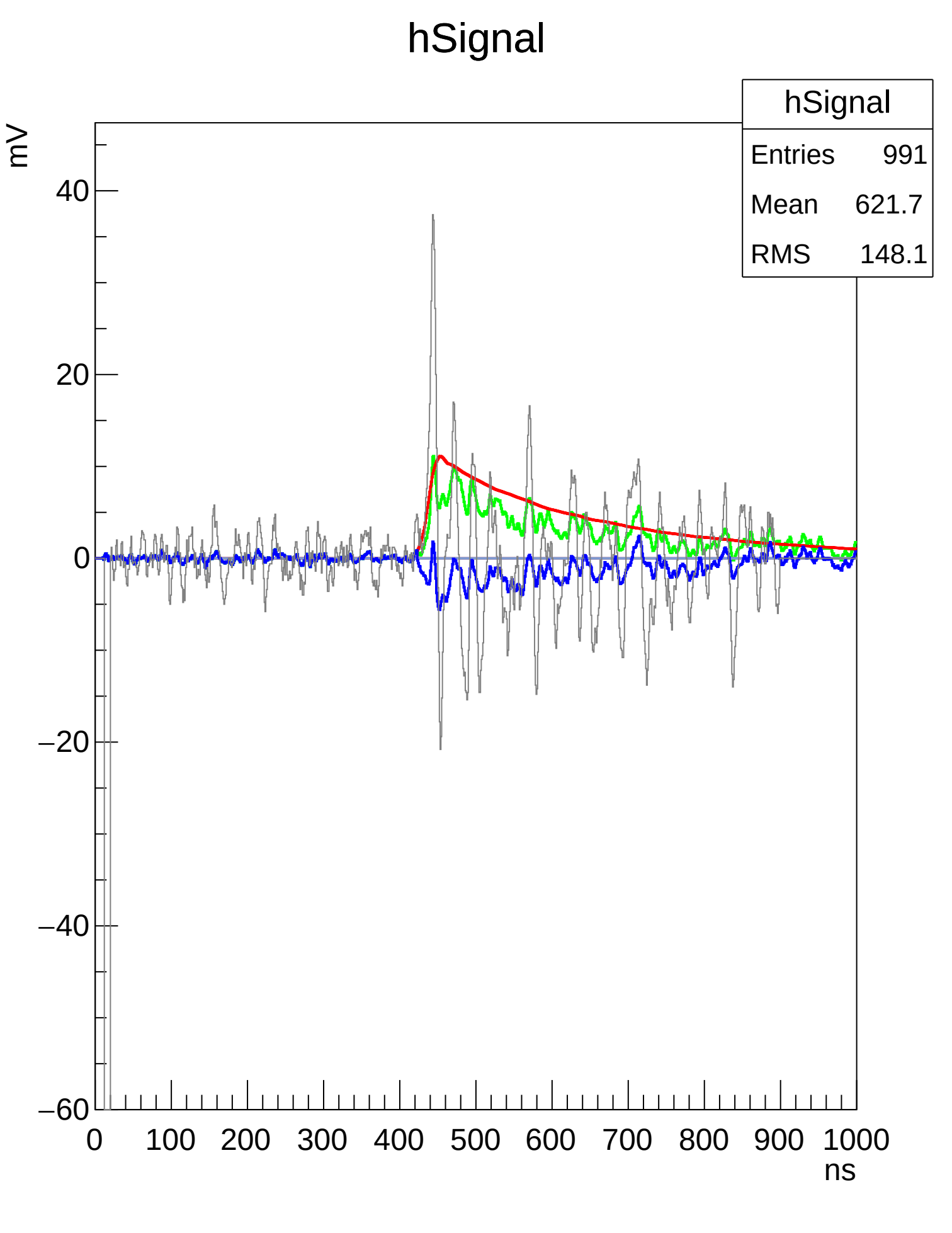
hSignal
hSignal
Entries 991
Mean 621.7
RMS 148.1
mV
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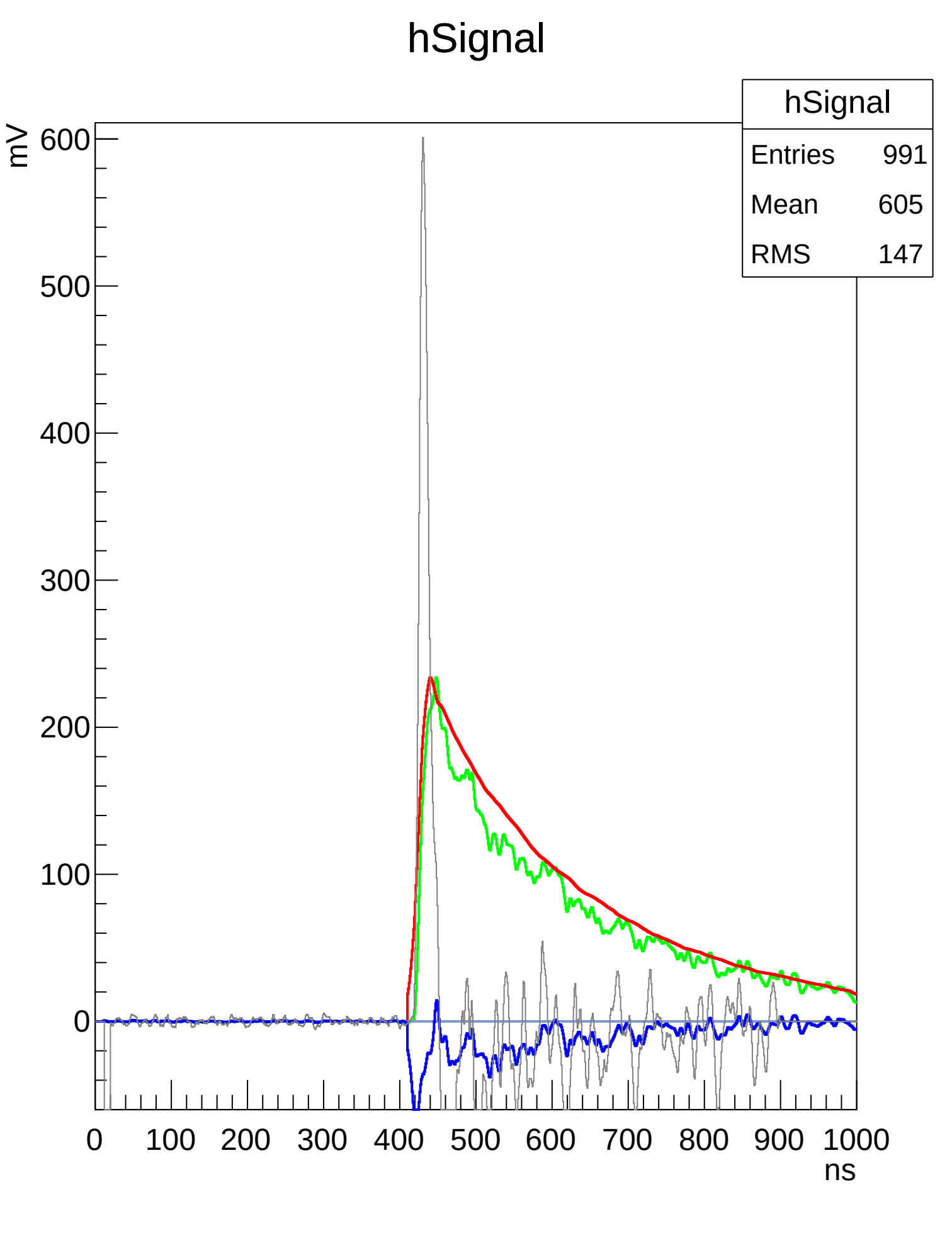
1000
ns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hSignal
Entries 991
Mean 605
RMS 147
mV
600
500
400
300
200
100
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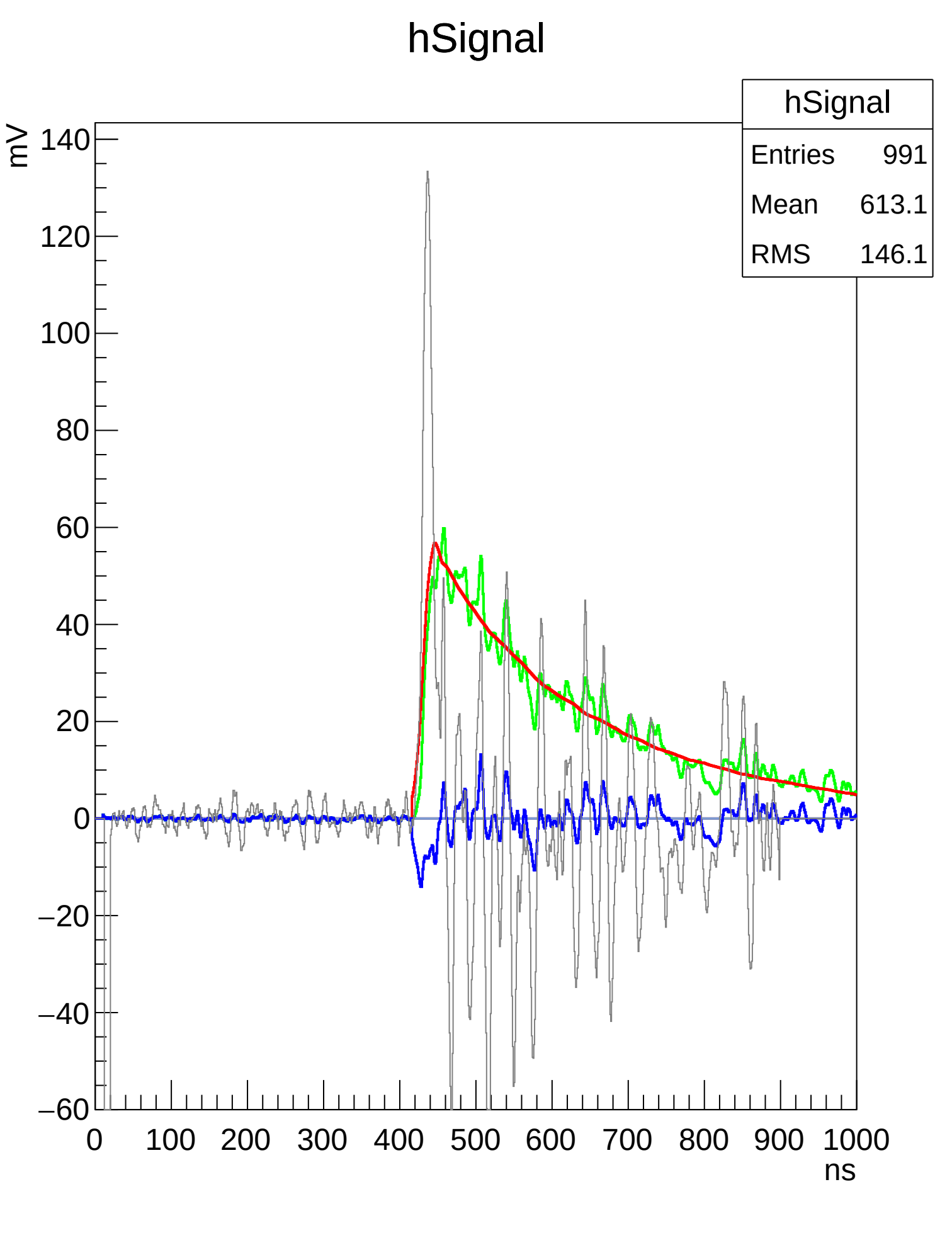
ns


hSignal
hSignal
Entries 991
Mean 613.1
RMS 146.1
mV
140
120
100
80
60
40
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200
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400
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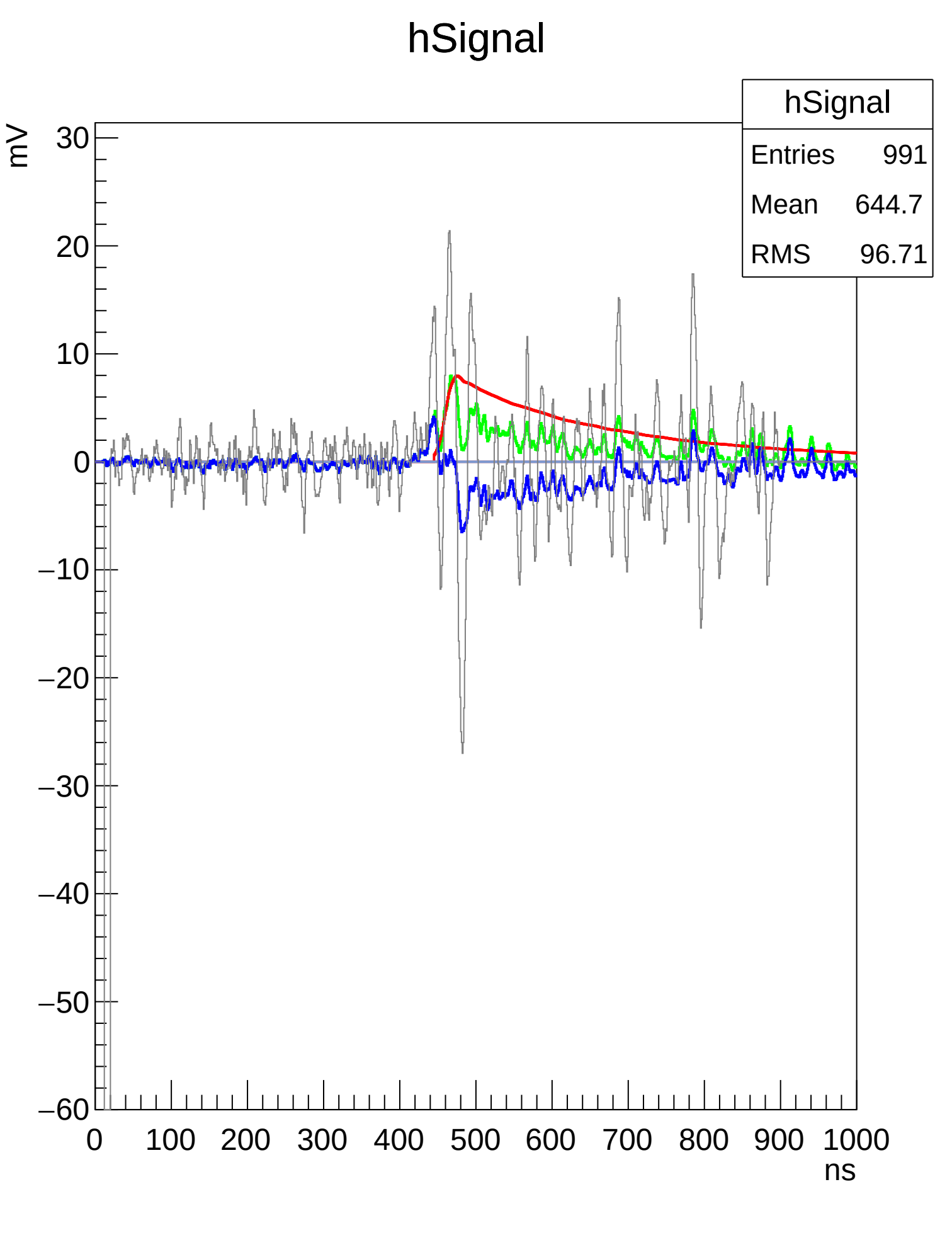
1000
ns


hSignal
hSignal
Entries 991
Mean 644.7
RMS 96.71
mV
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20
10
0
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−50
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400
500
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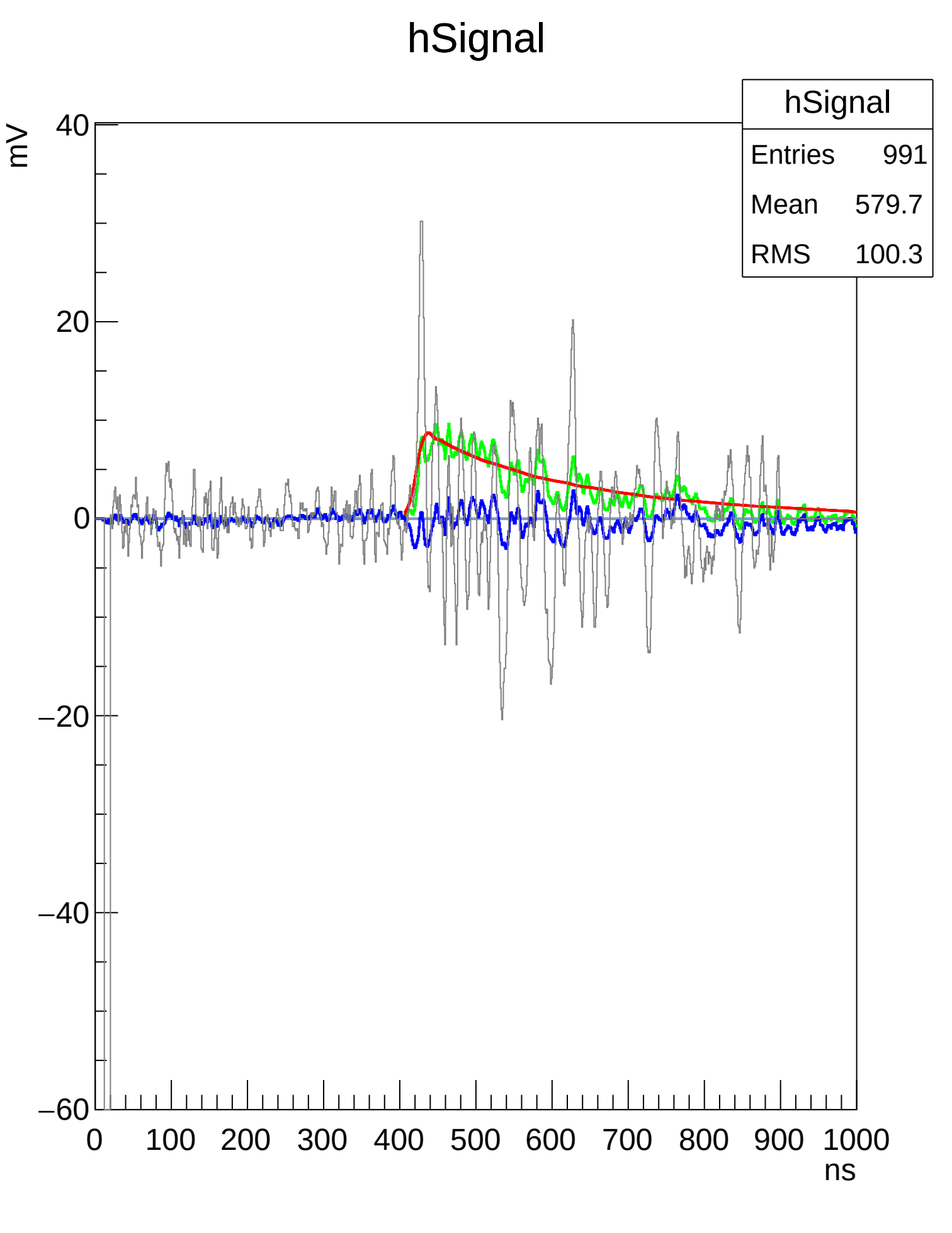
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.7
RMS 100.3
mV
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−20
−40
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0
100
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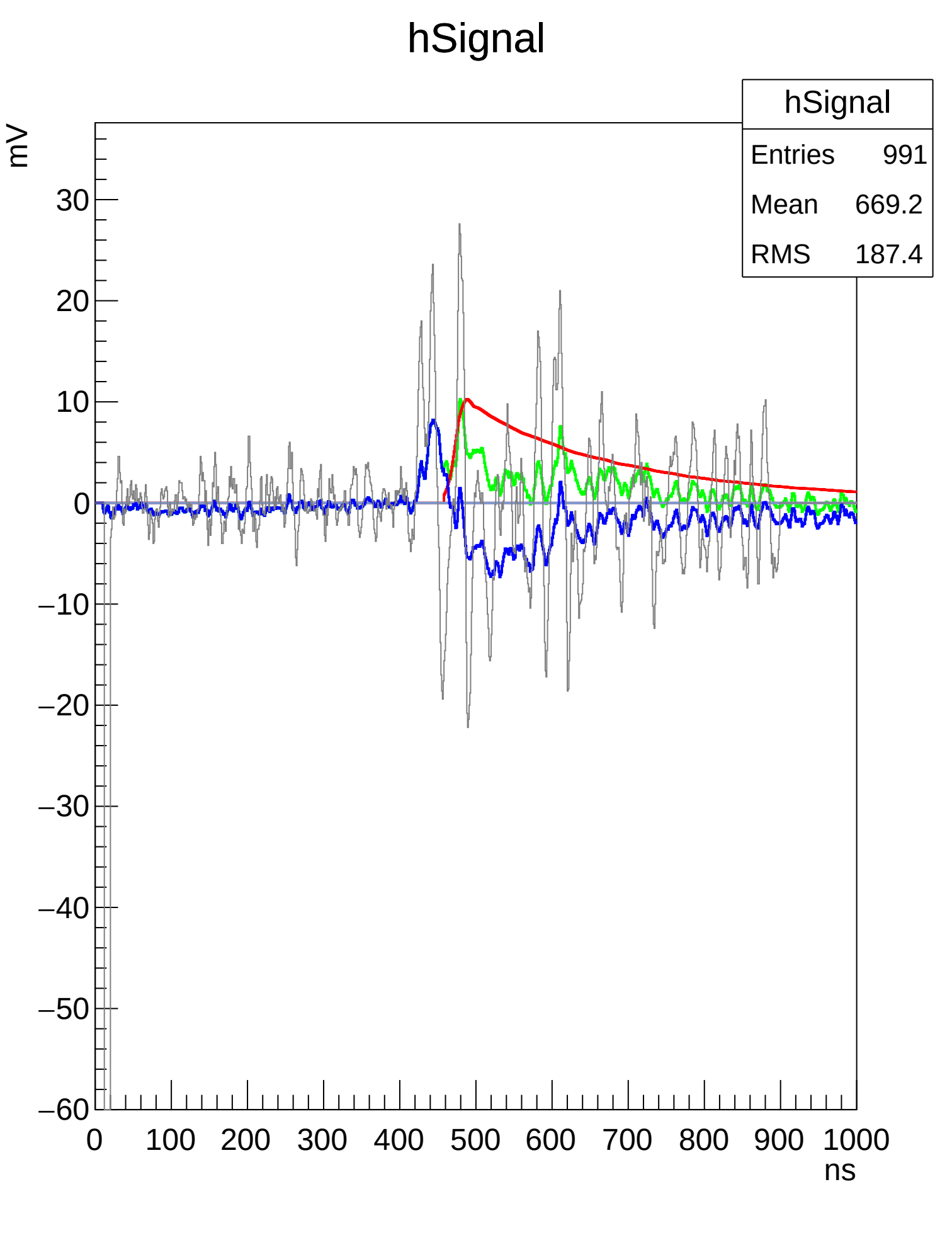
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 669.2
RMS 187.4
mV
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20
10
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−40
−50
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0
100
200
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400
500
600
700
800
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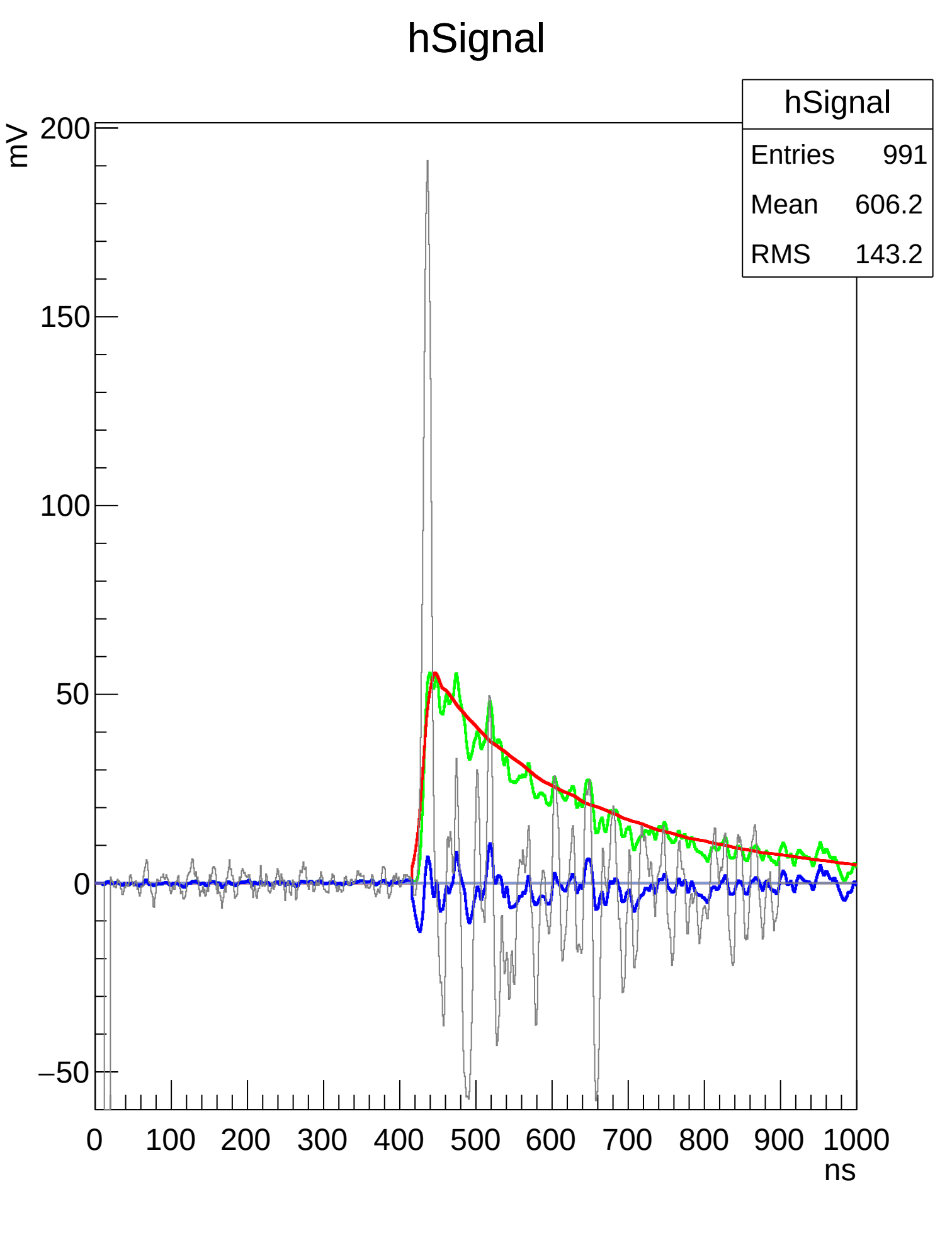
1000
ns


hSignal
hSignal
Entries 991
Mean 606.2
RMS 143.2
mV
200
150
100
50
0
−50
0
100
200
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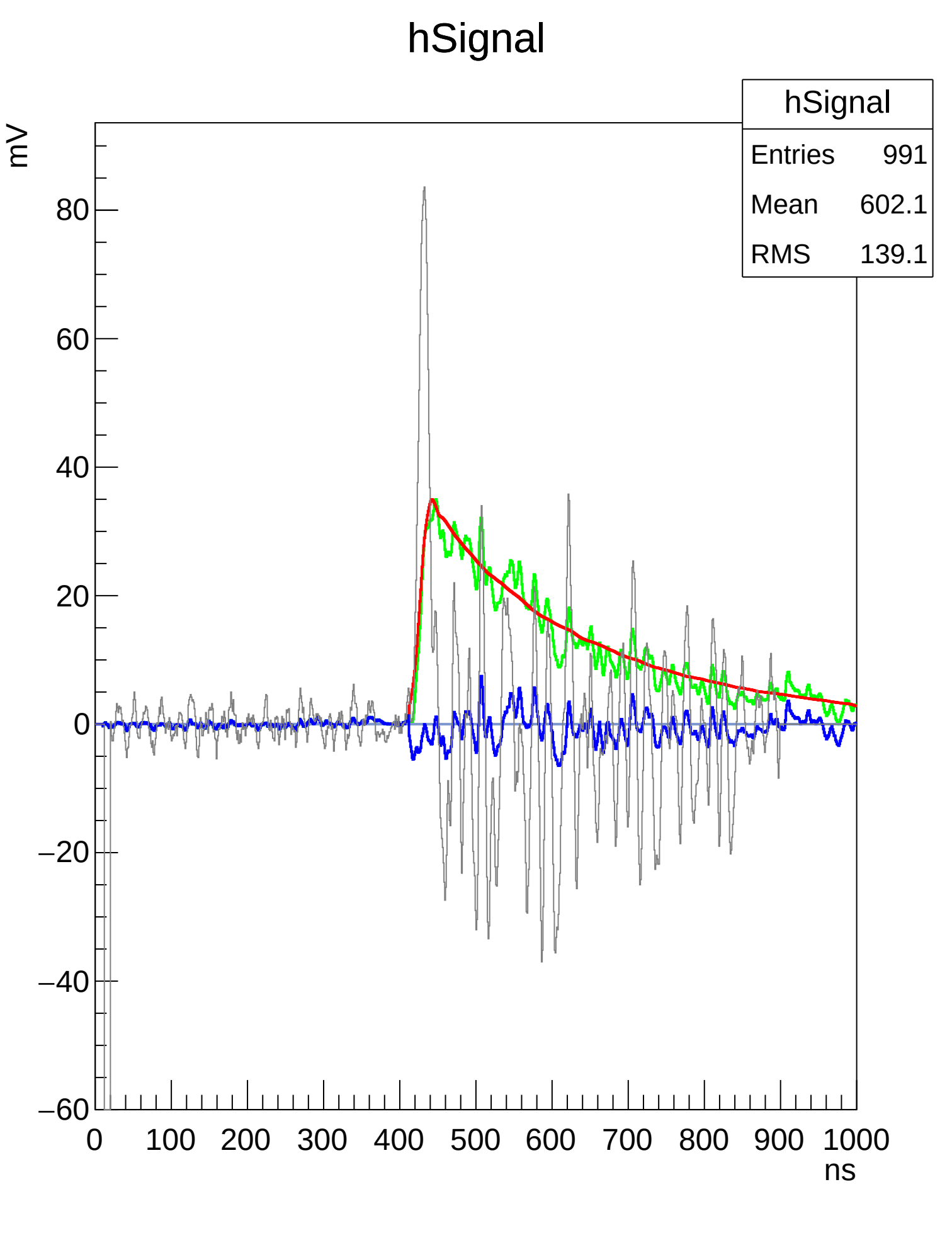
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.1
RMS 139.1
mV
80
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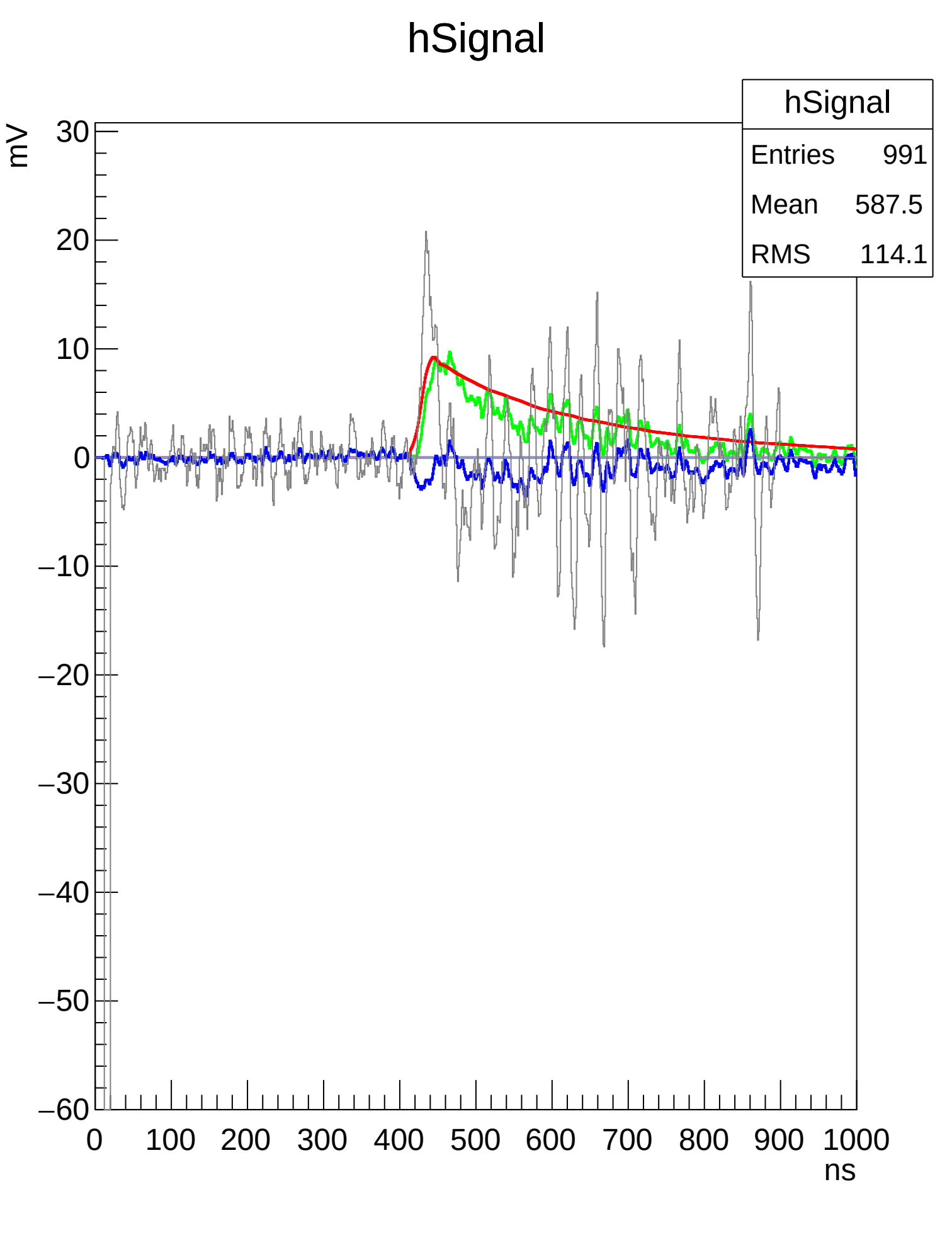
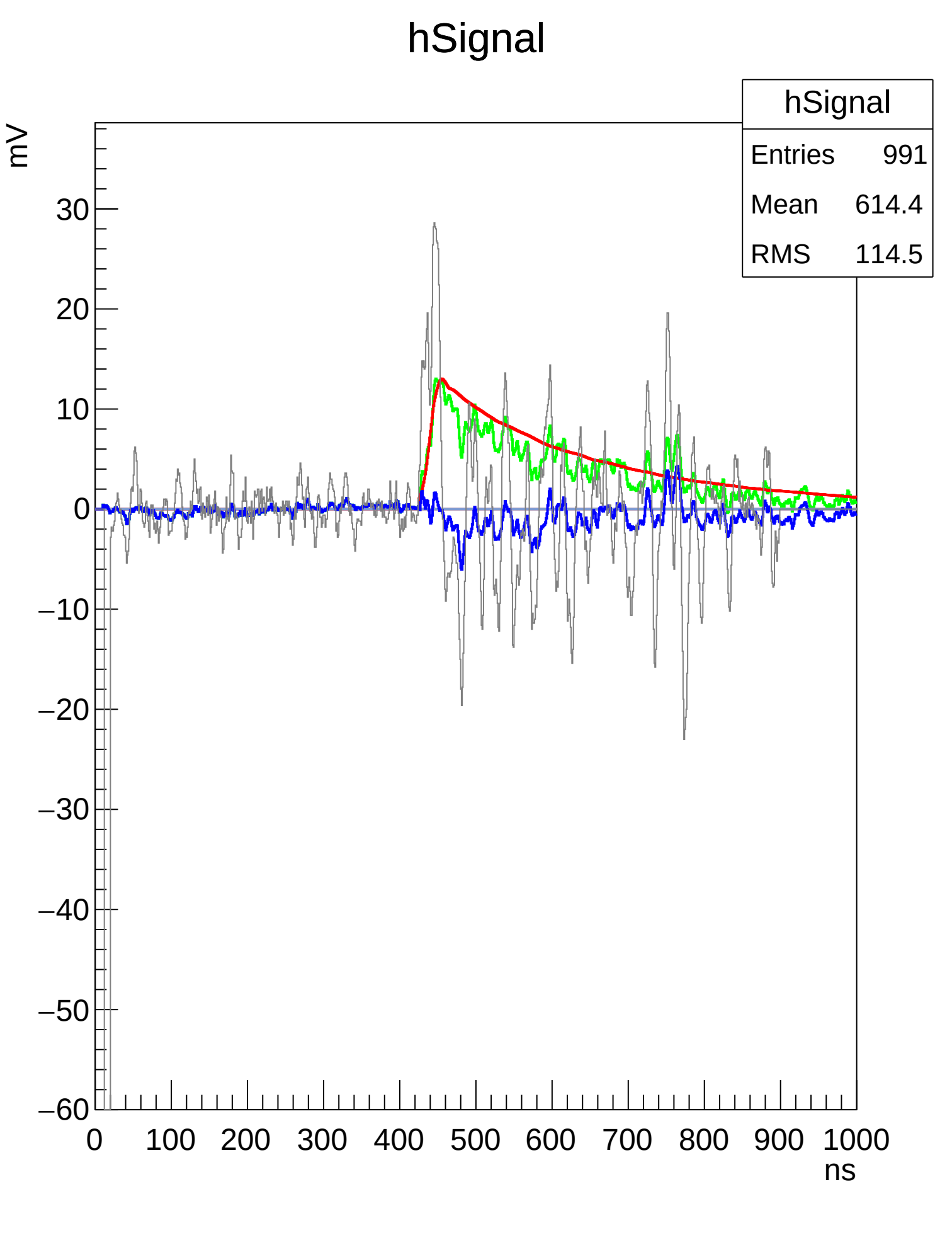
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 114.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.4
RMS 114.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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700
800
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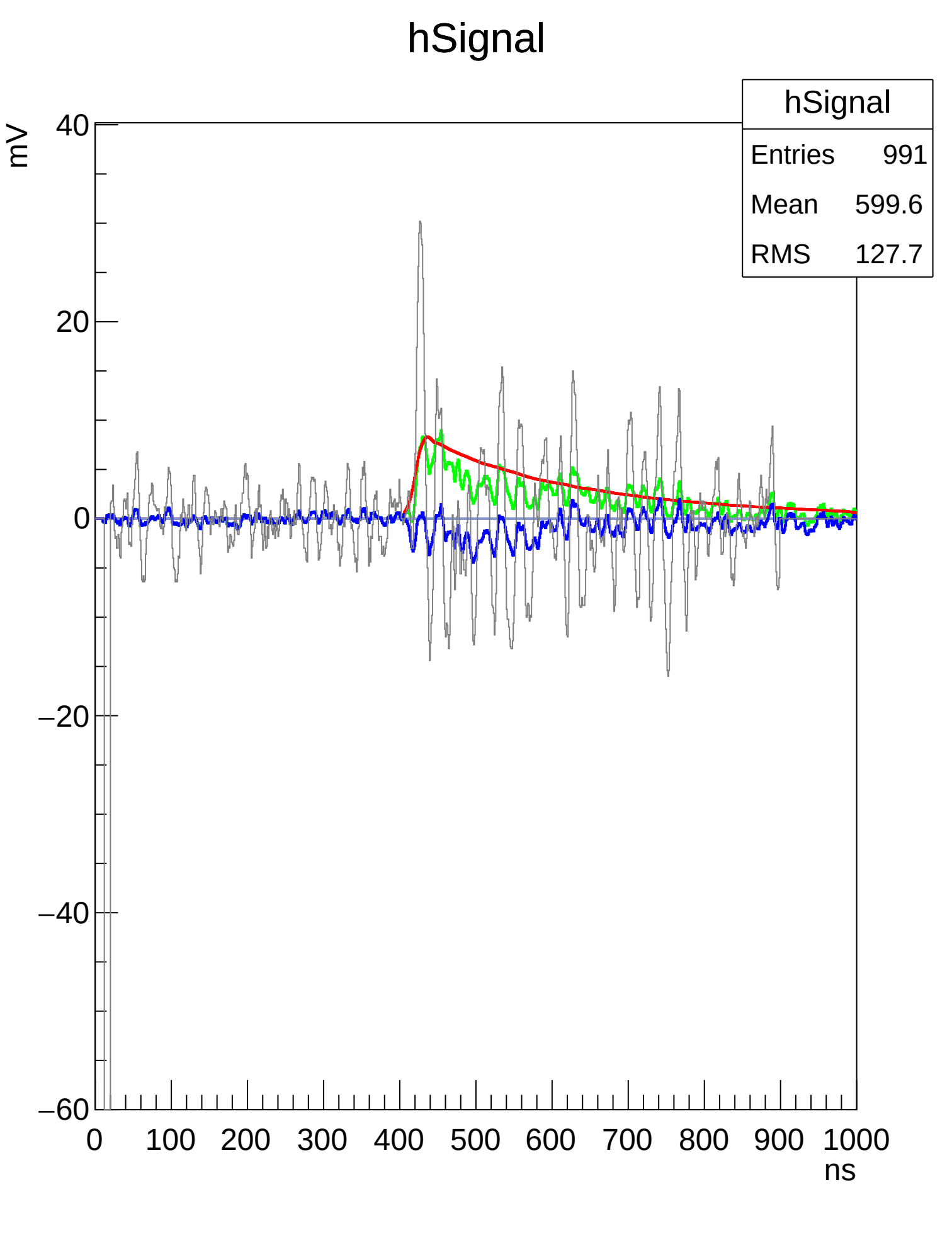
1000
ns


hSignal
hSignal
Entries 991
Mean 599.6
RMS 127.7
mV
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20
0
−20
−40
−60
0
100
200
300
400
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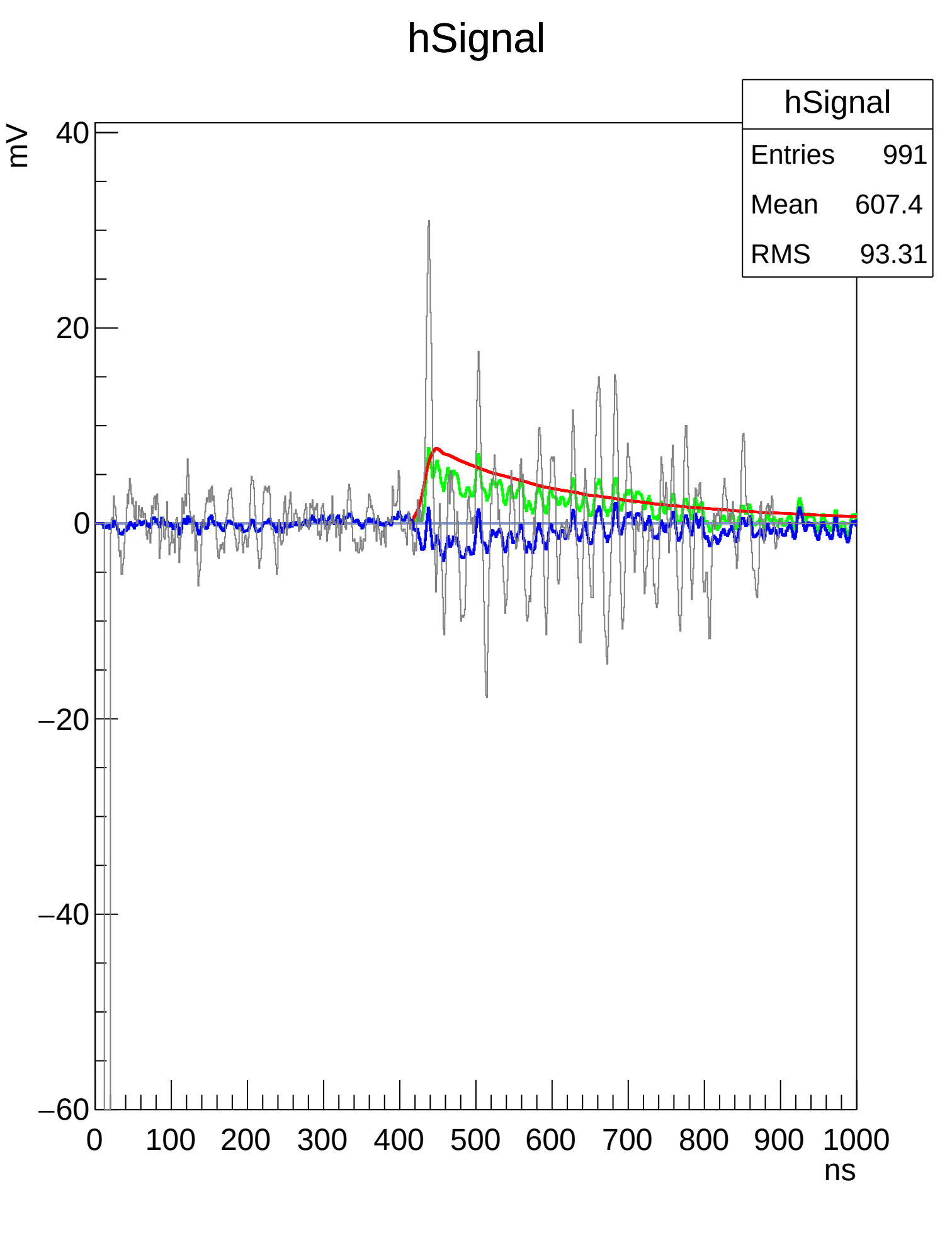
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.4
RMS 93.31
mV
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−20
−40
−60
0
100
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600
700
800
900
1000
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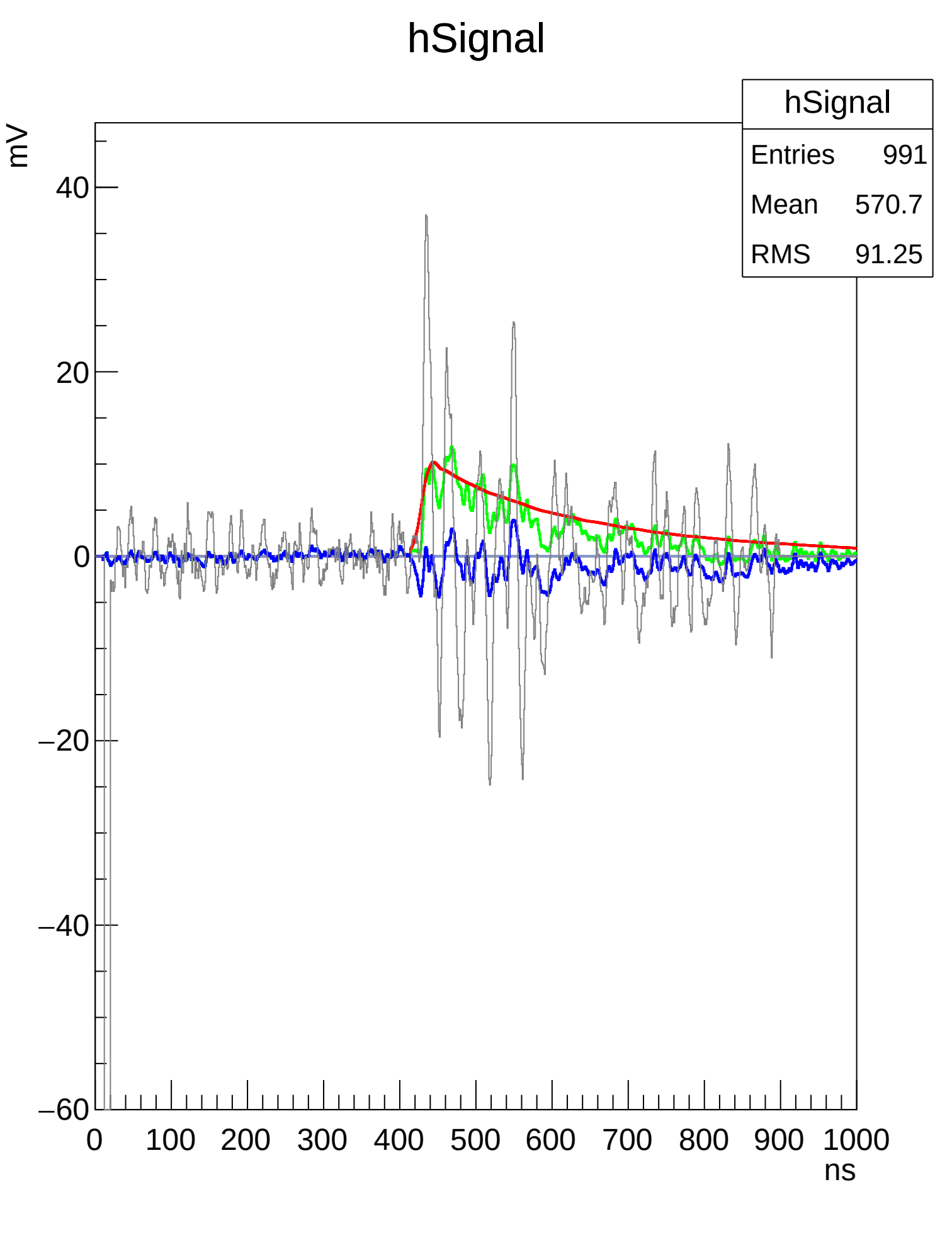
hSignal
hSignal
Entries 991
Mean 570.7
RMS 91.25
mV
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0
−20
−40
−60
0
100
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600
700
800
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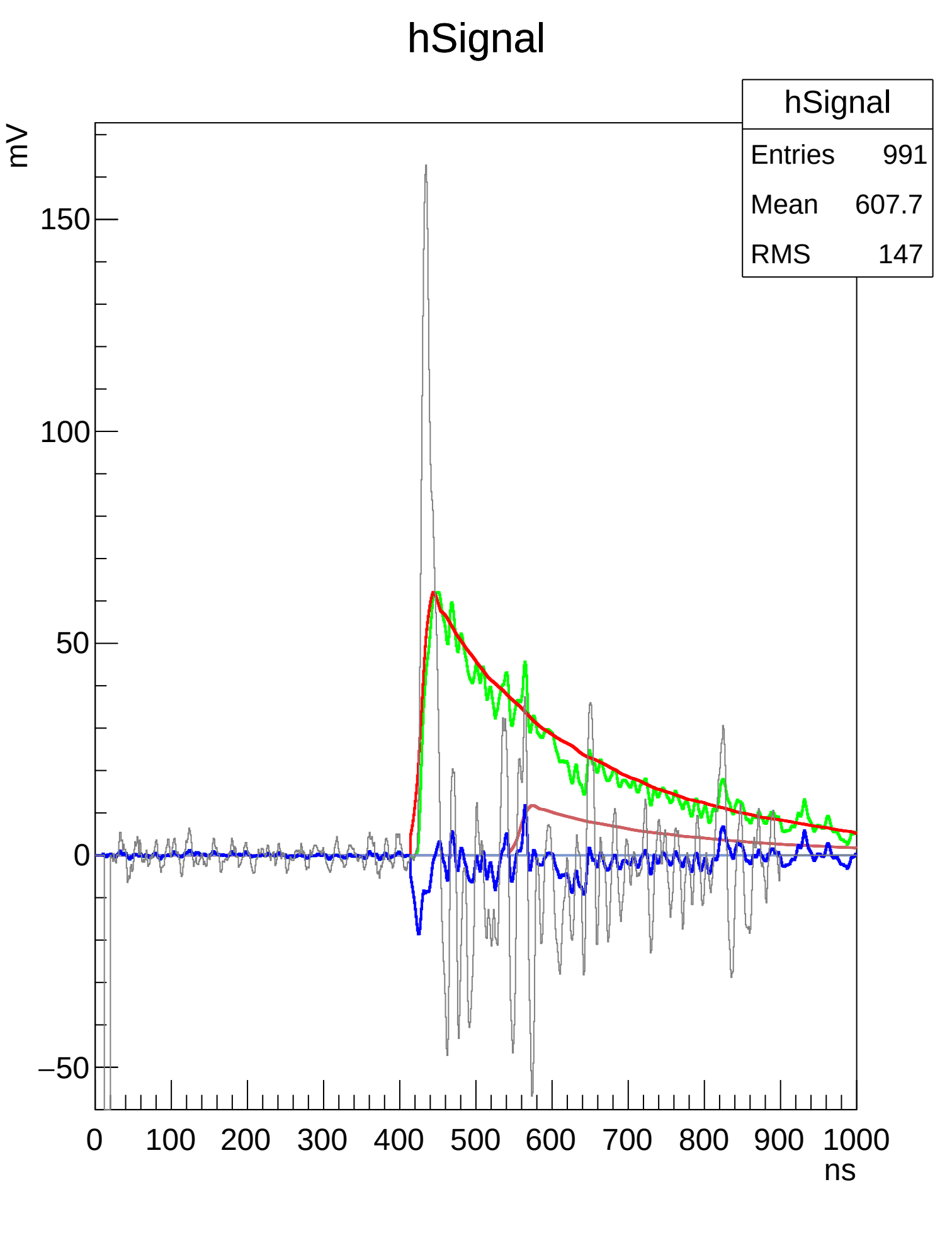
1000
ns


hSignal
hSignal
Entries 991
Mean 607.7
RMS 147
mV
150
100
50
0
−50
0
100
200
300
400
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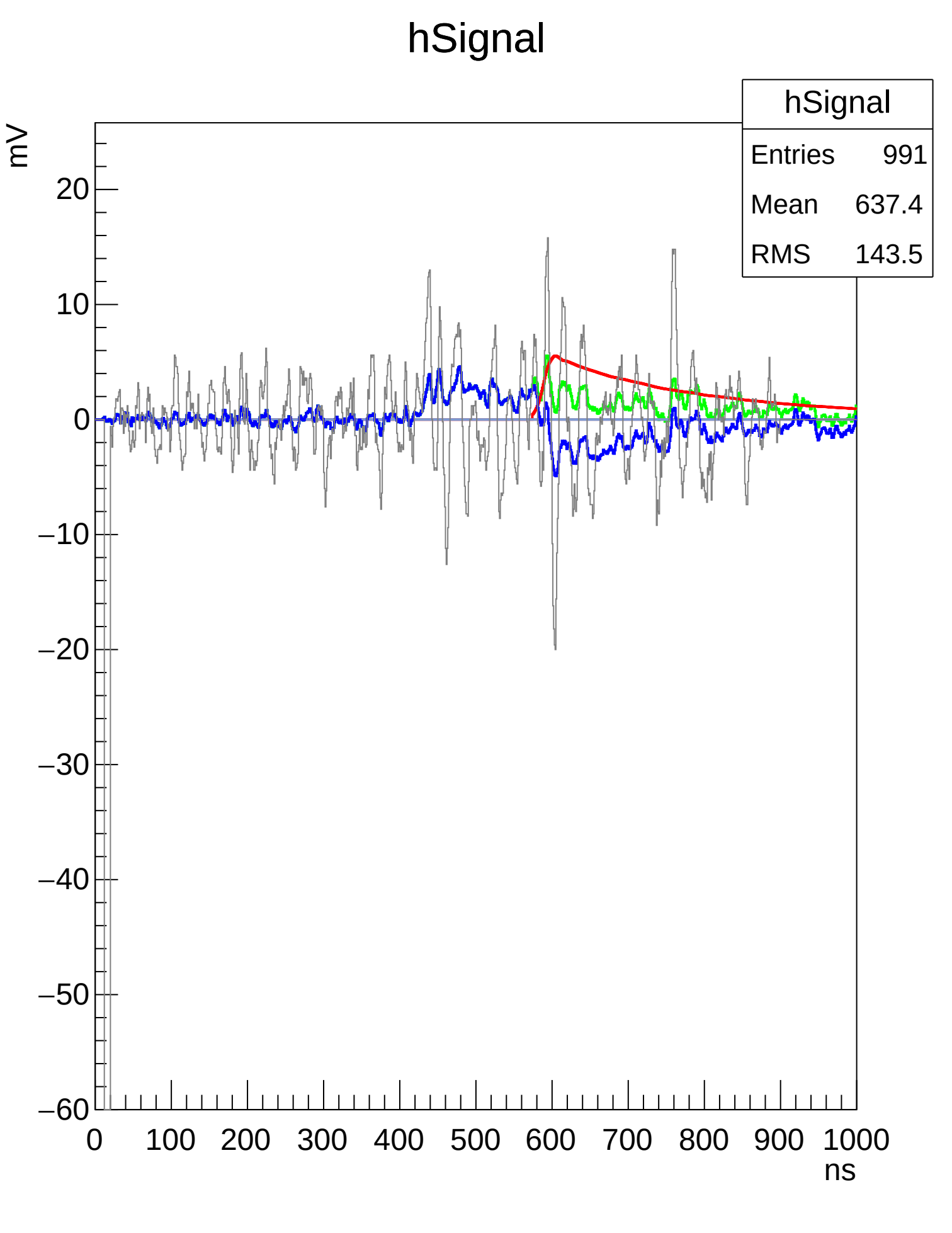
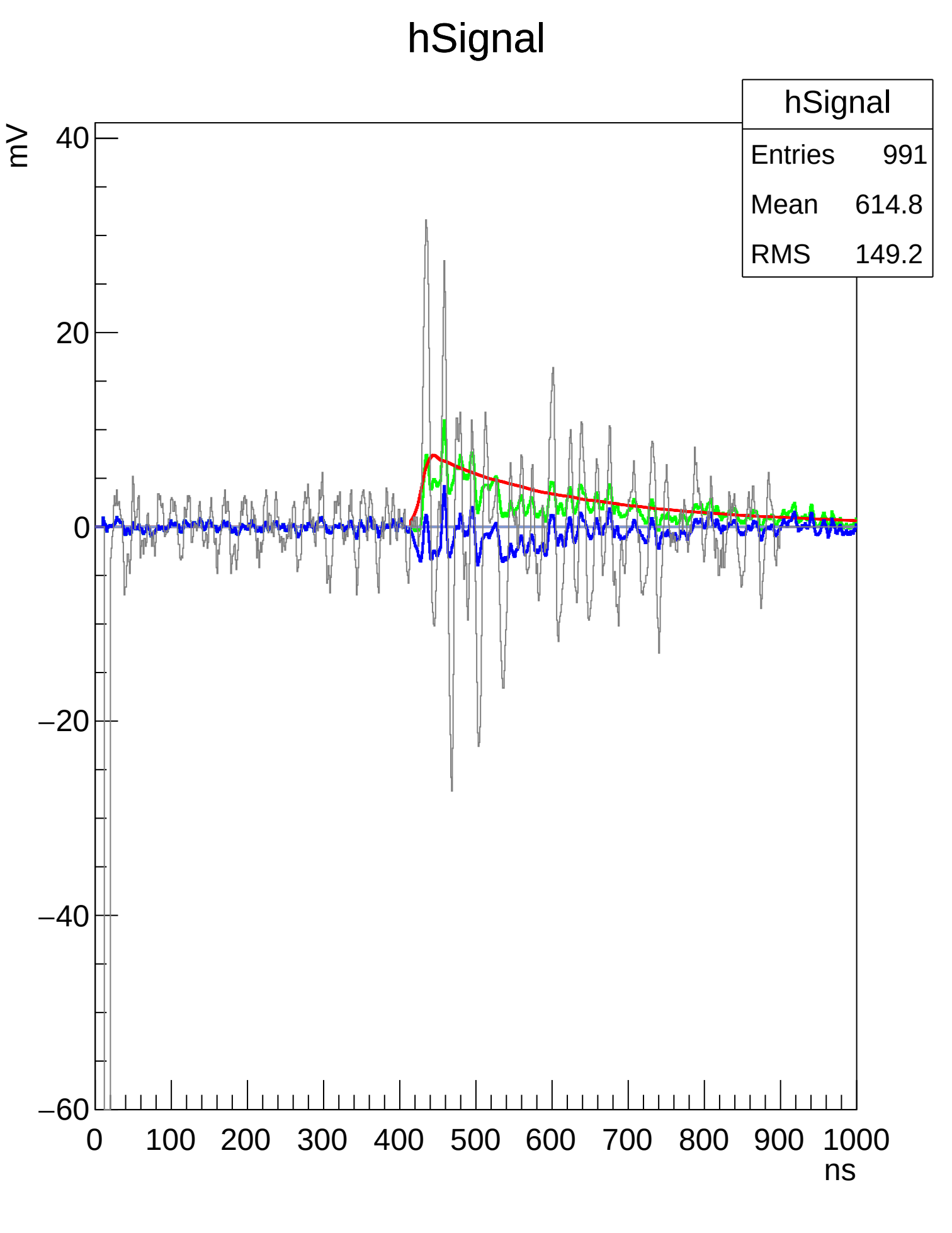
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 637.4
RMS 143.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.8
RMS 149.2
mV
40
20
0
−20
−40
−60
0
100
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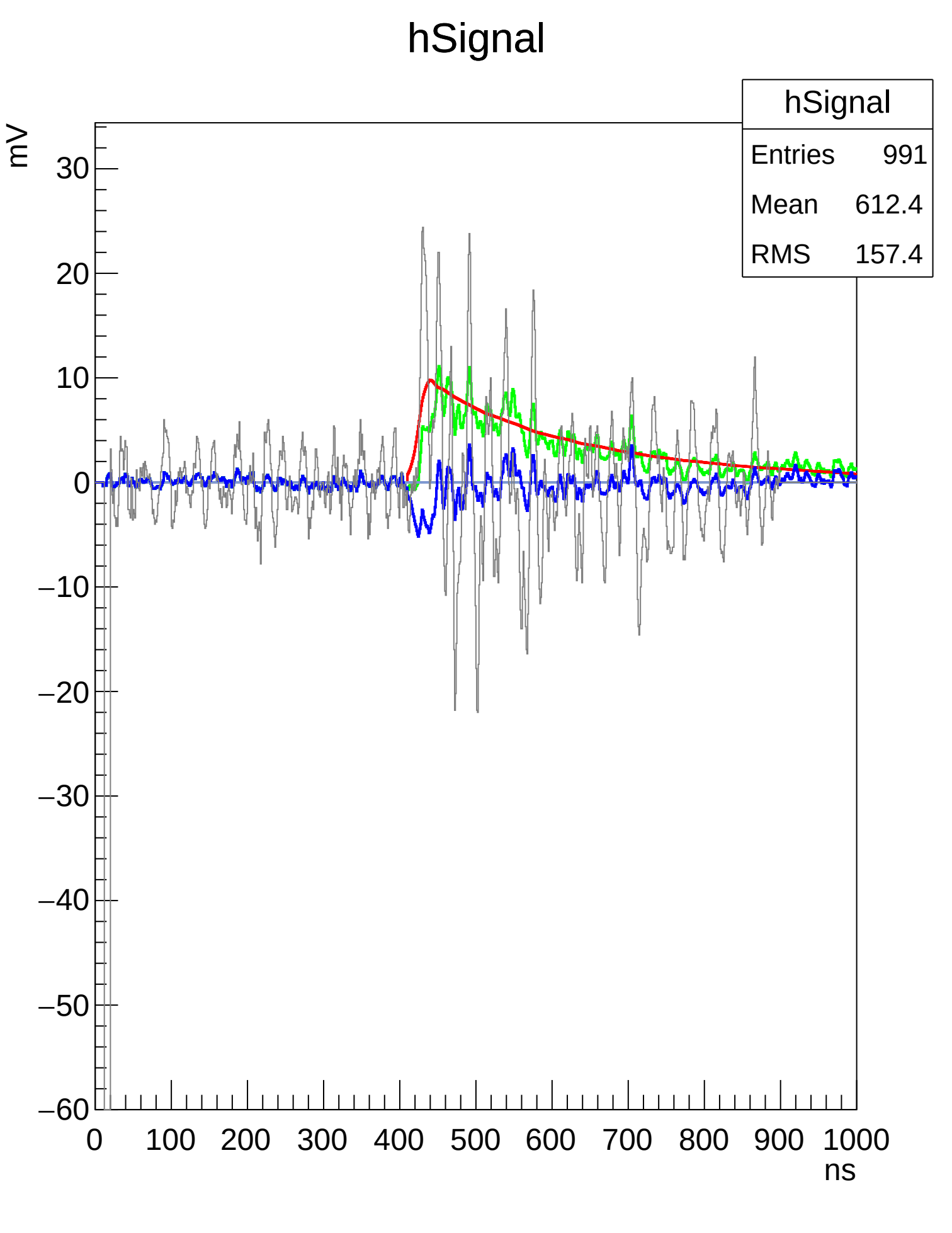
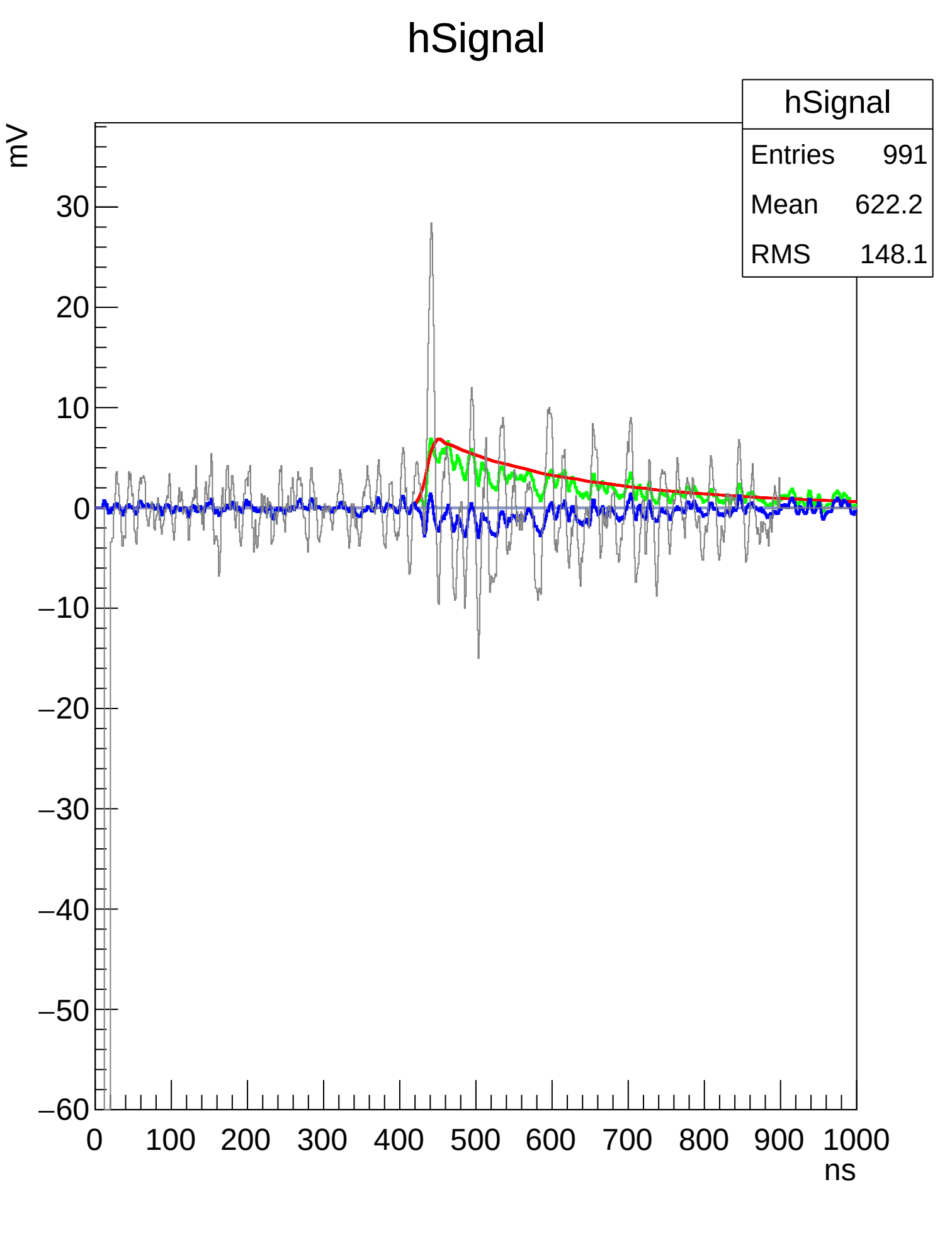
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.4
RMS 157.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.2
RMS 148.1
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
500
600
700
800
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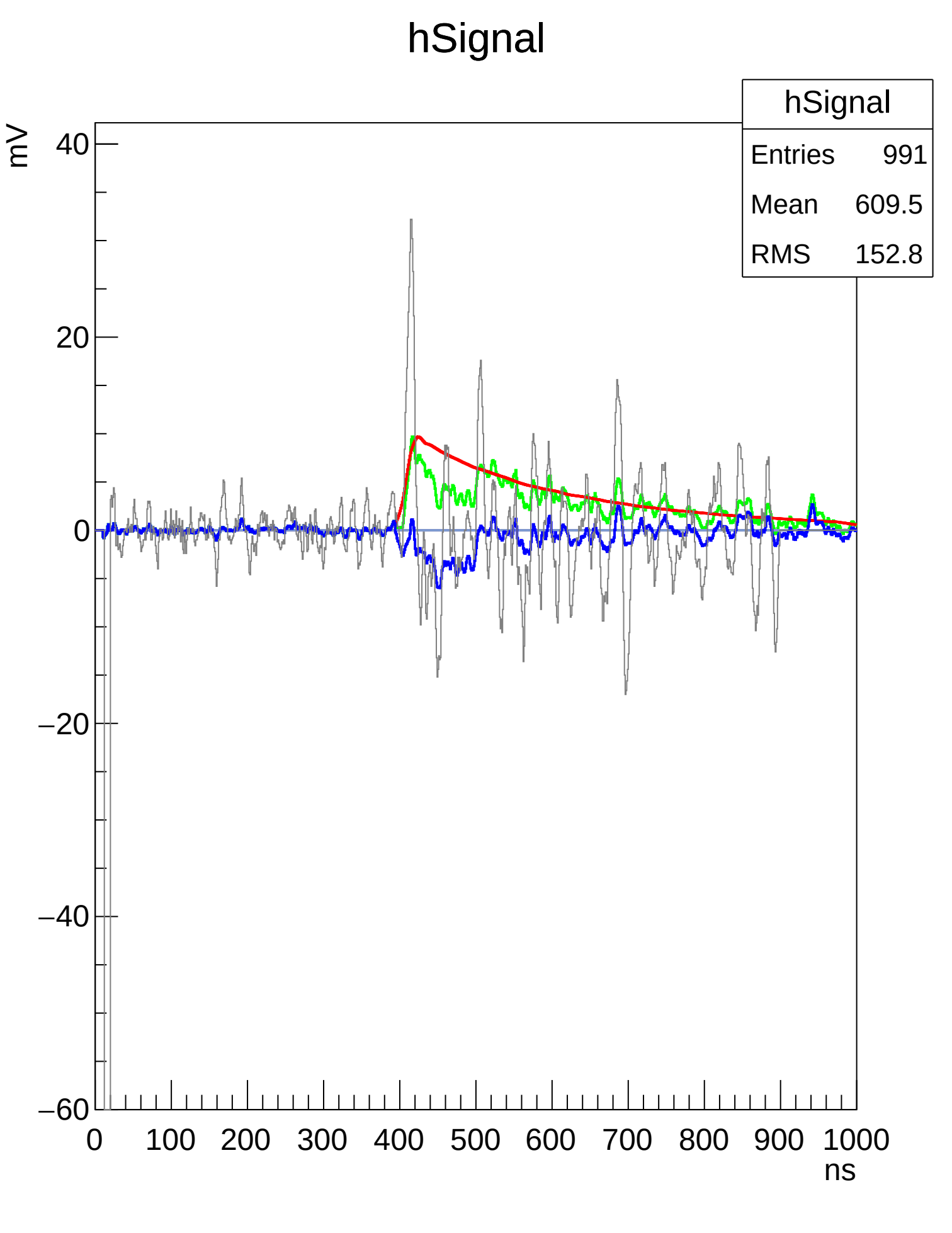
ns


hSignal
hSignal
Entries 991
Mean 609.5
RMS 152.8
mV
40
20
0
−20
−40
−60
0
100
200
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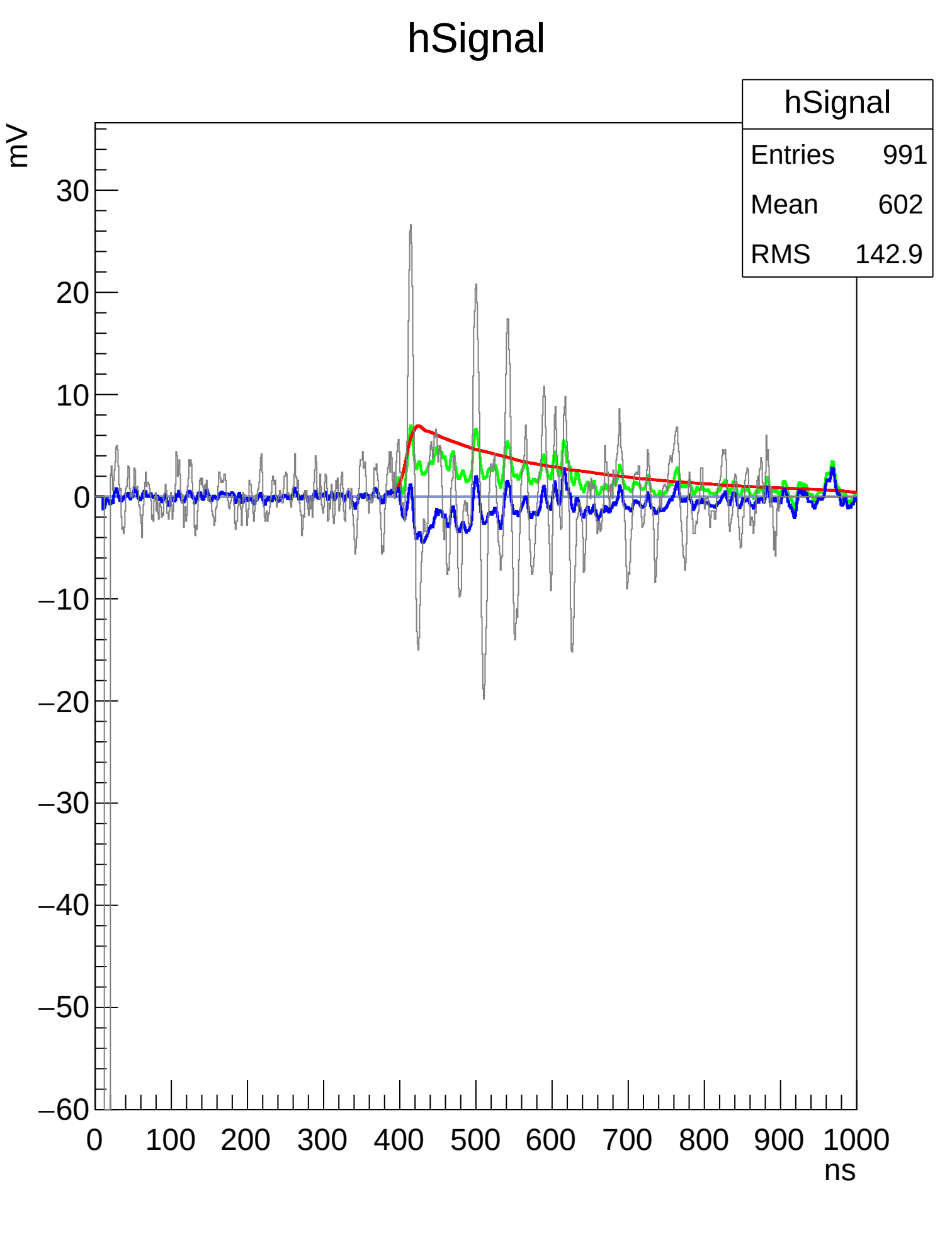
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602
RMS 142.9
mV
30
20
10
0
−10
−20
−30
−40
−50
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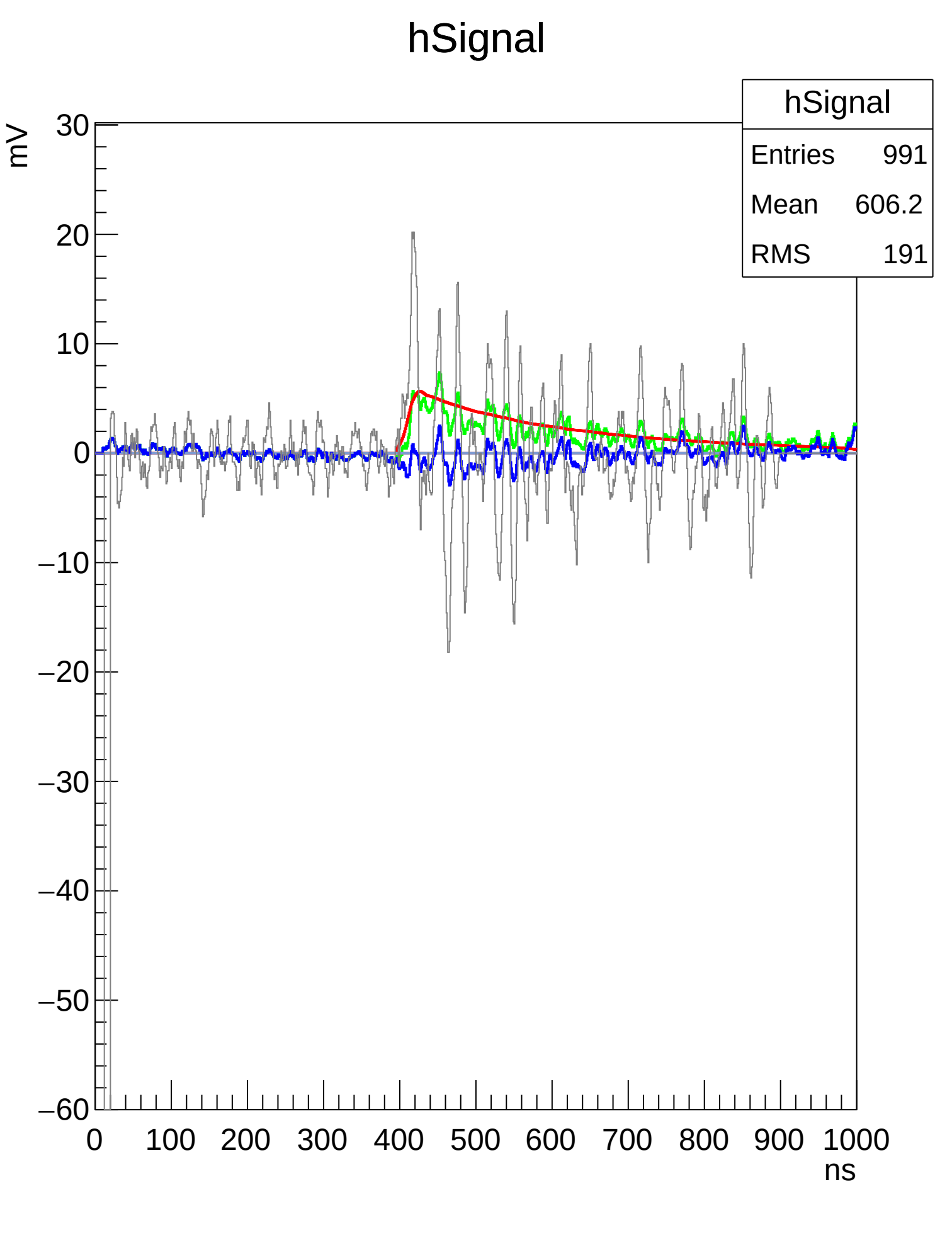
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.2
RMS 191
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
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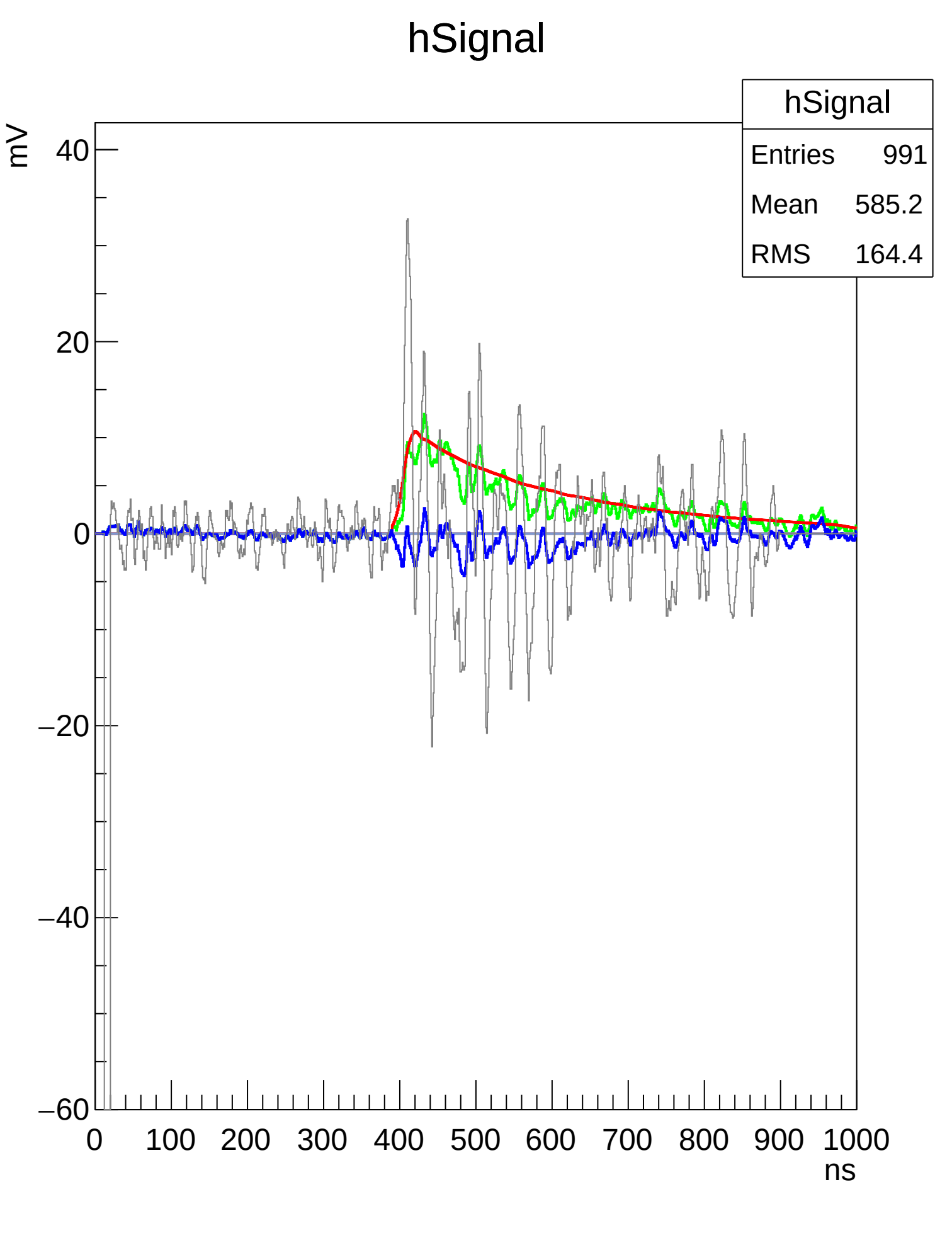
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.2
RMS 164.4
mV
40
20
0
−20
−40
−60
0
100
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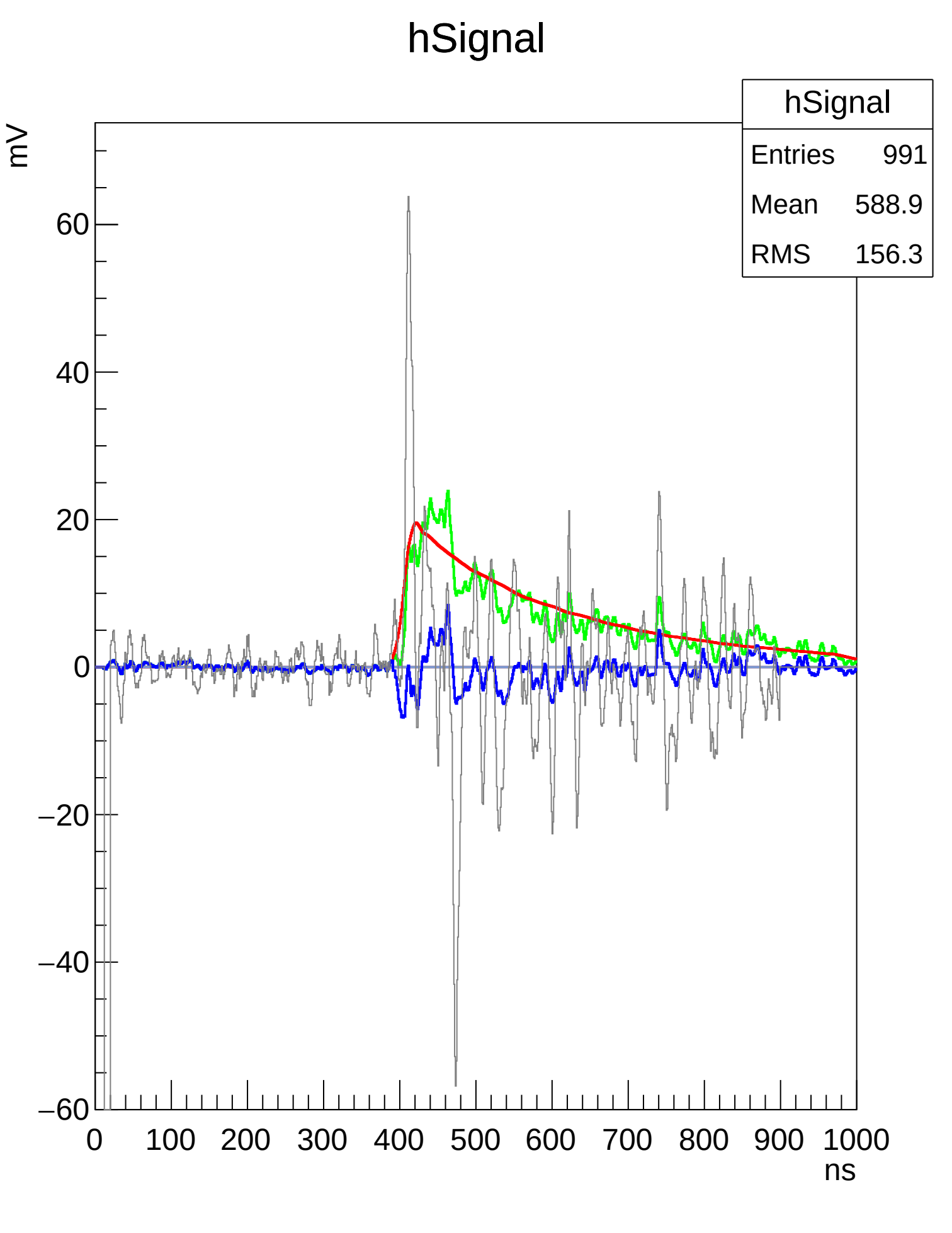
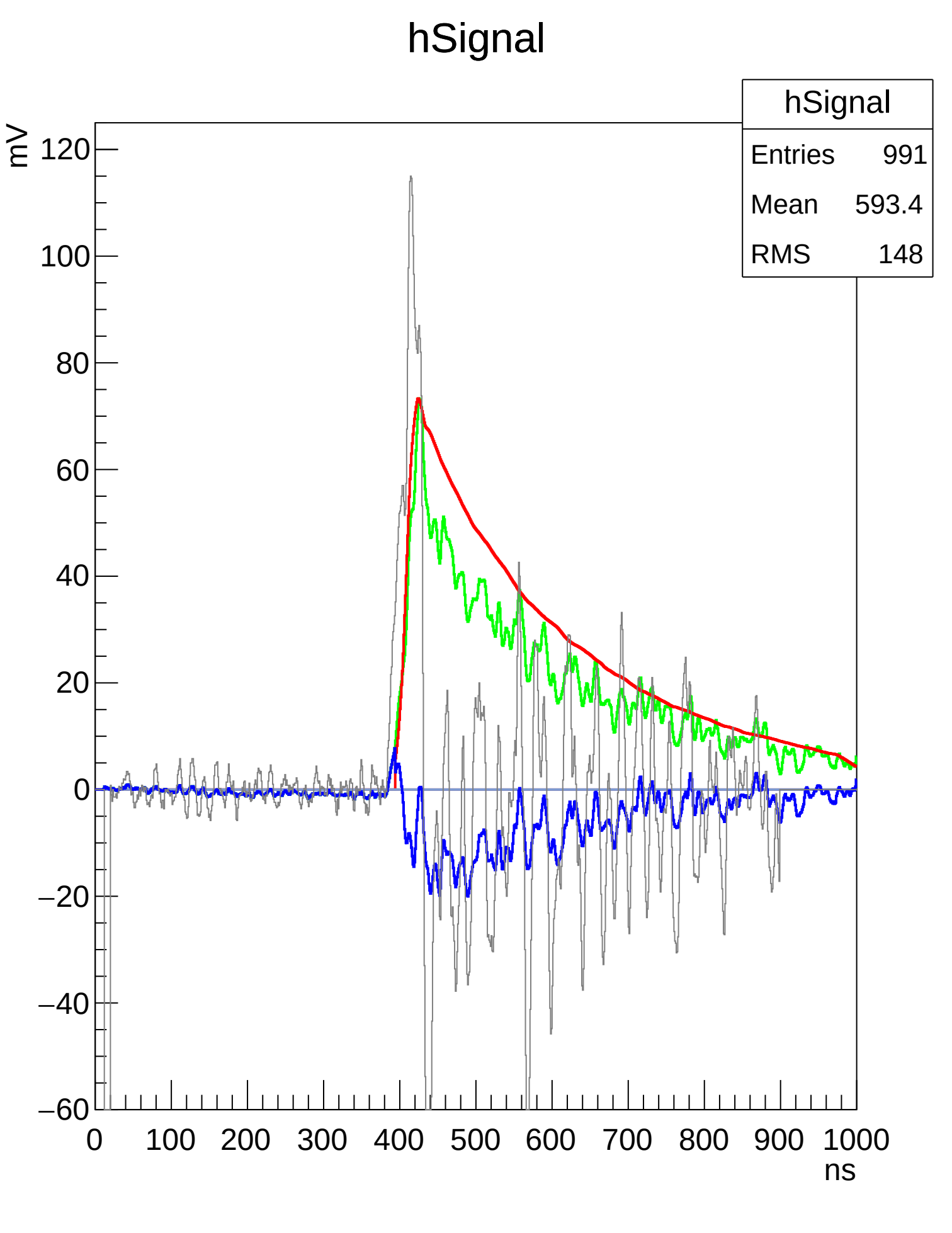
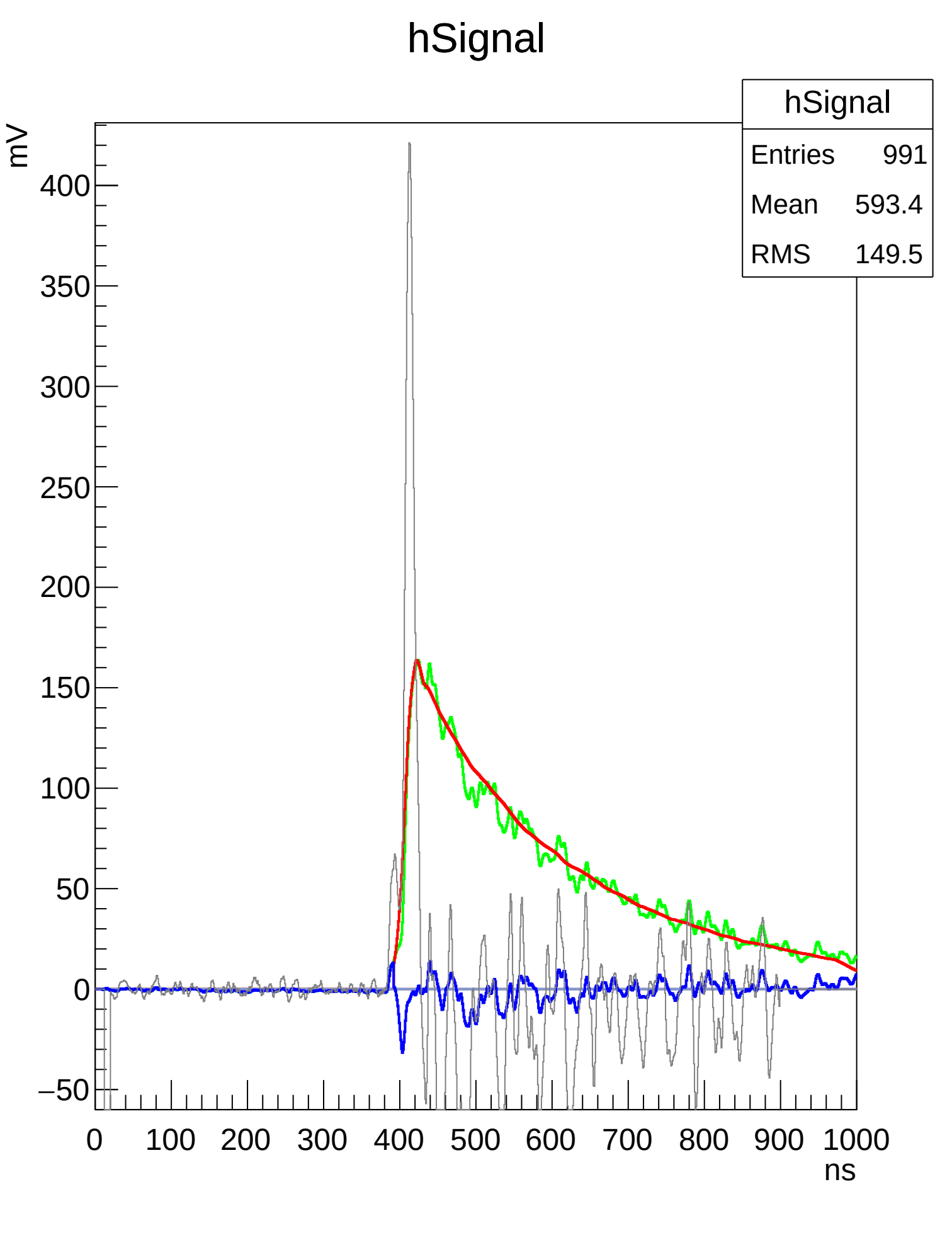
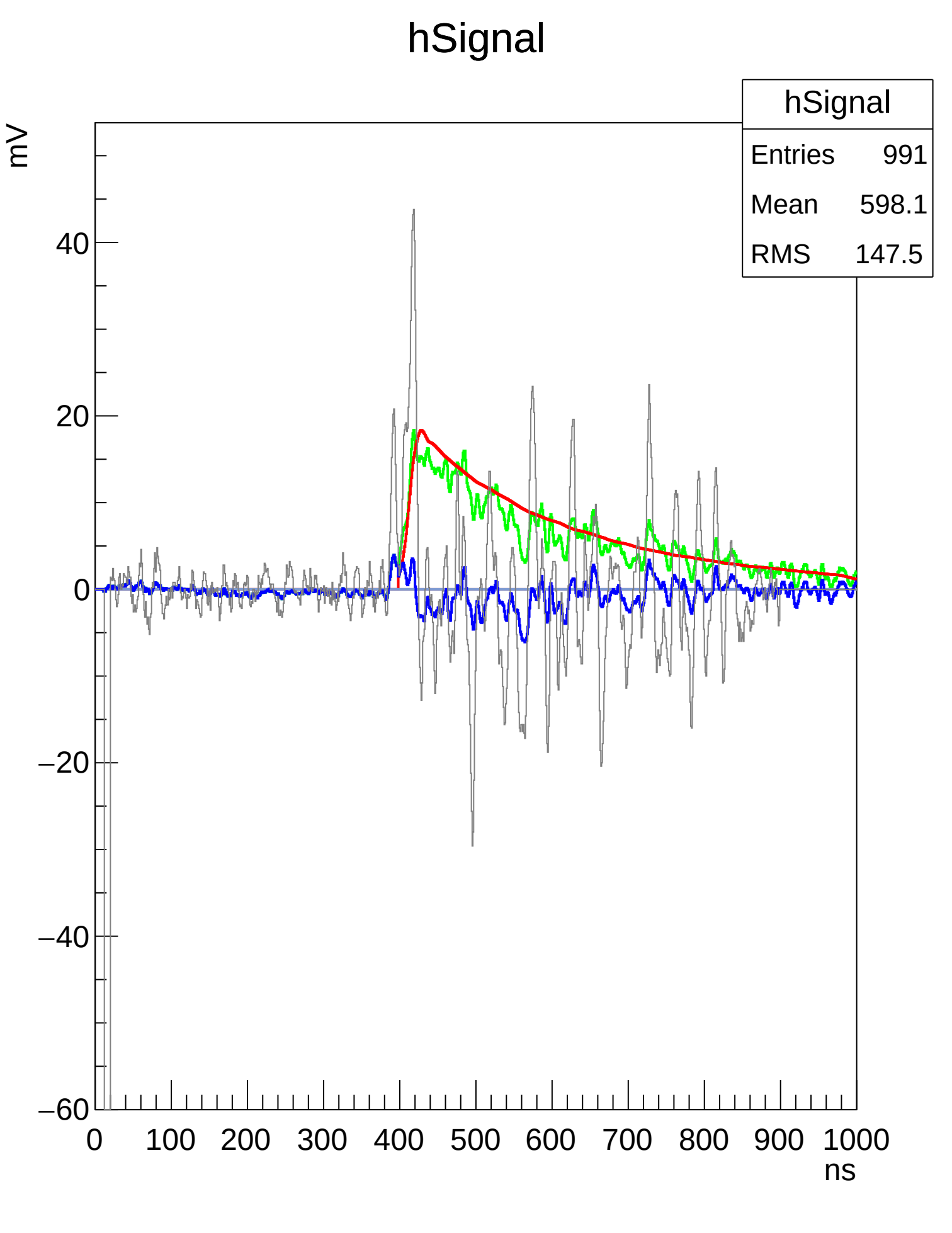
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.9
RMS 156.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 148
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 149.5
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.1
RMS 147.5
mV
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0
−20
−40
−60
0
100
200
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400
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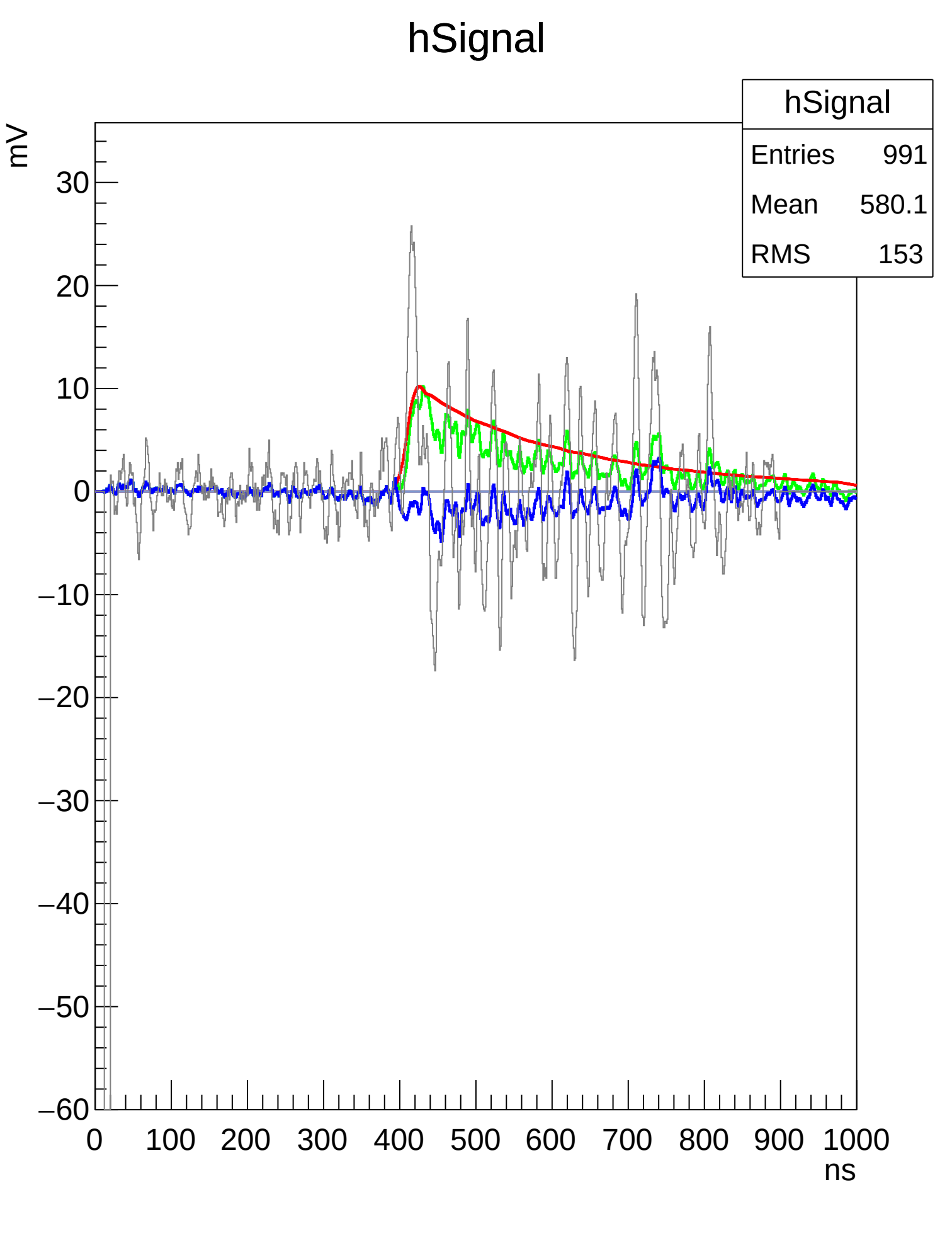
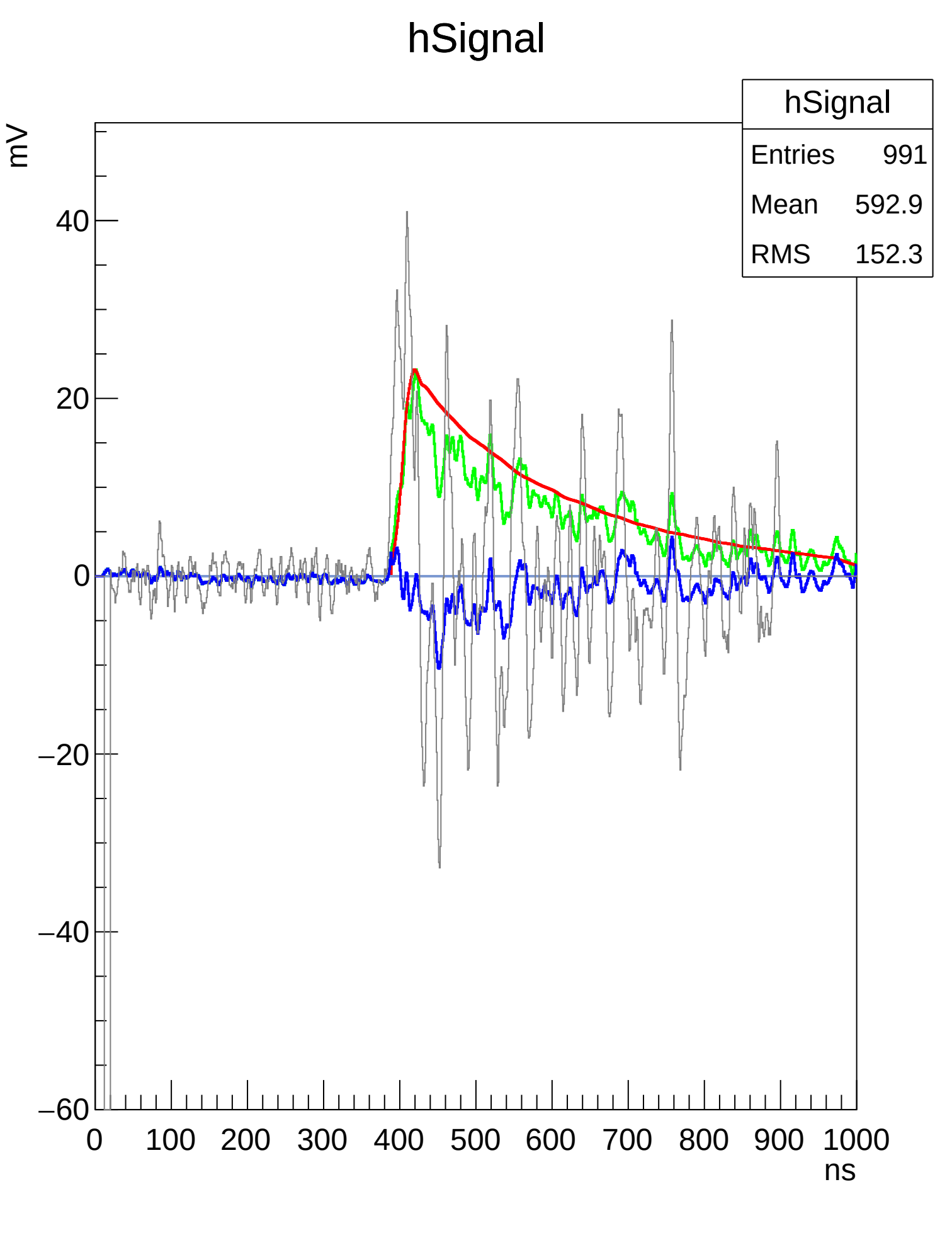
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.1
RMS 153
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.9
RMS 152.3
mV
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20
0
−20
−40
−60
0
100
200
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400
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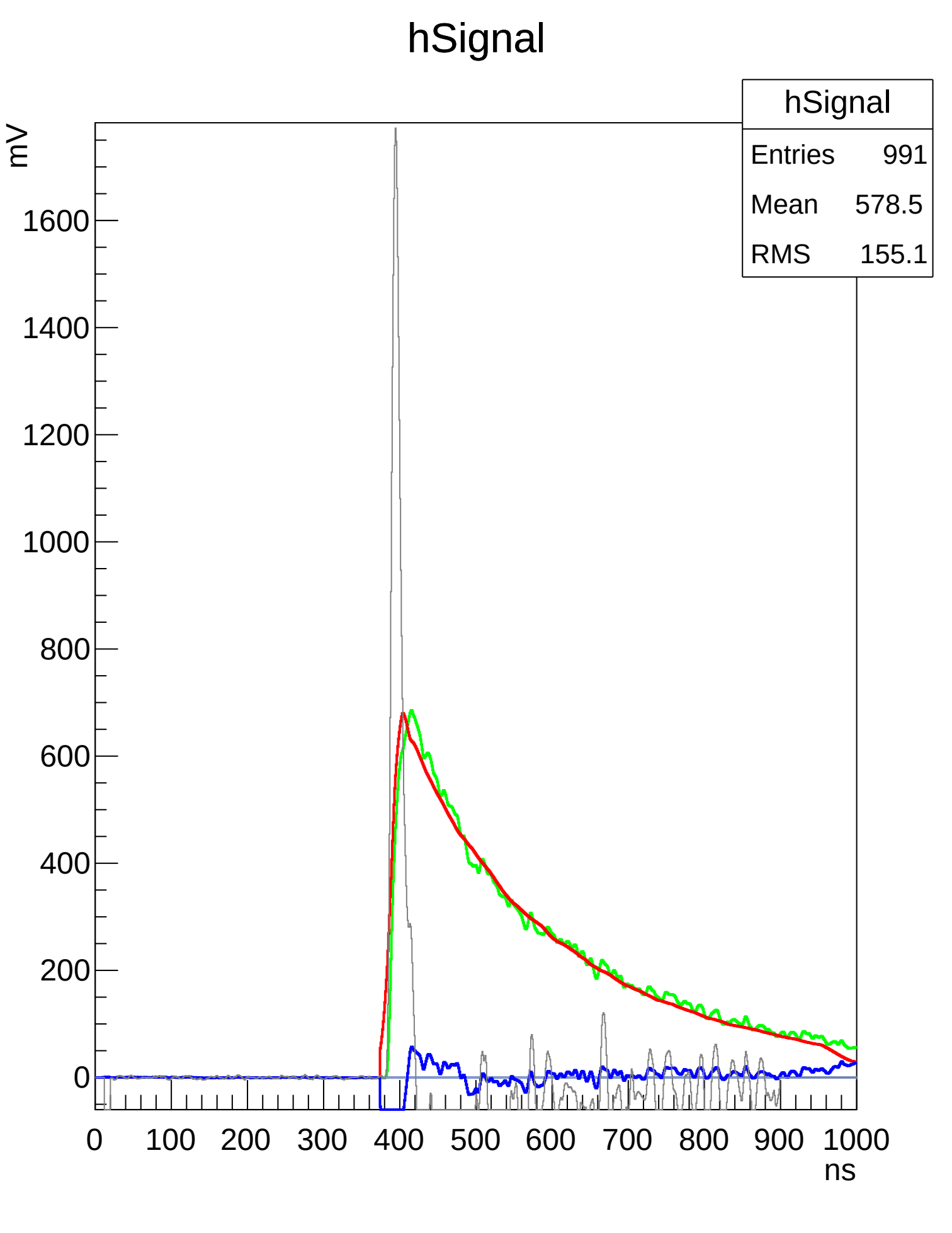
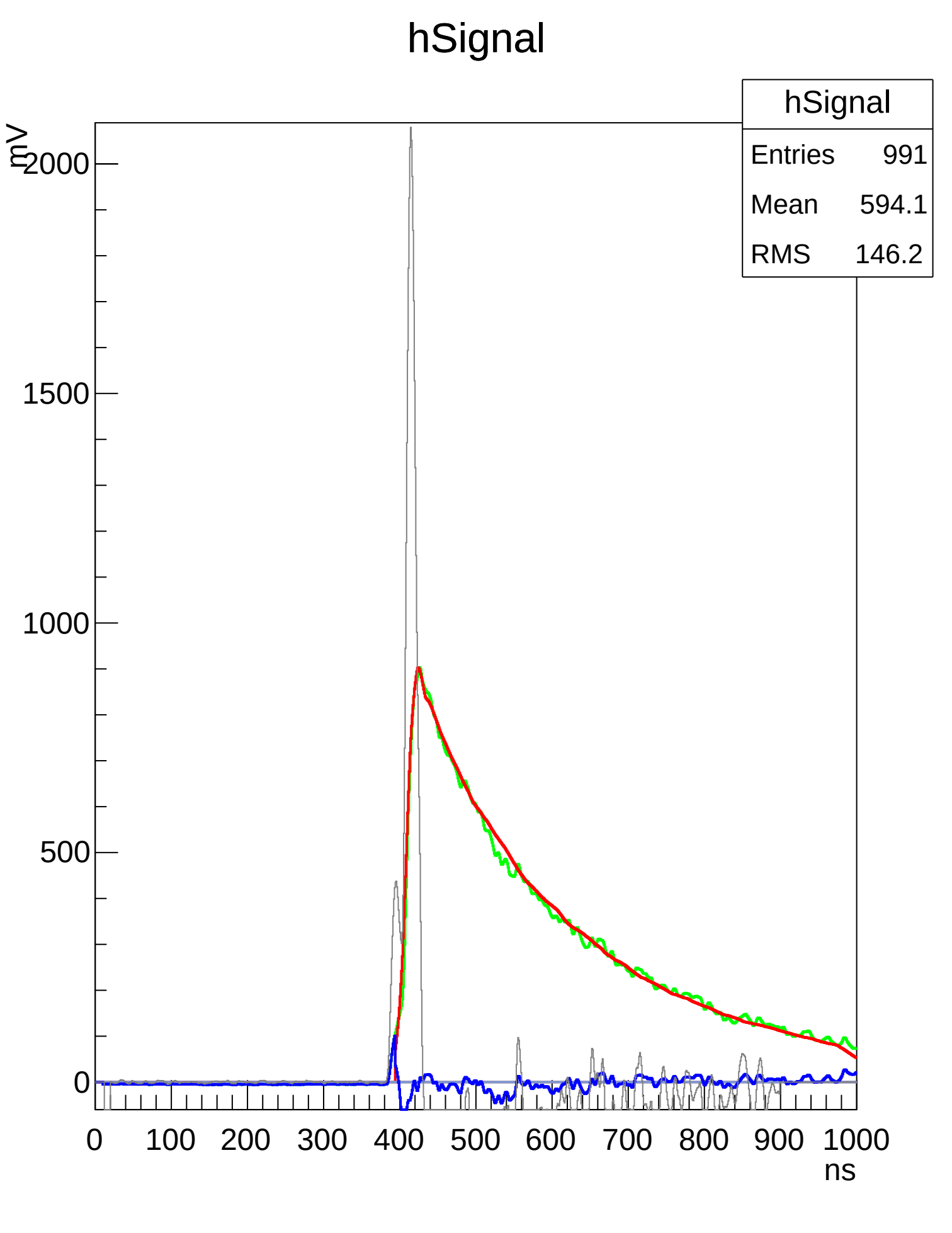
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.5
RMS 155.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.1
RMS 146.2
mV
2000
1500
1000
500
0
0
100
200
300
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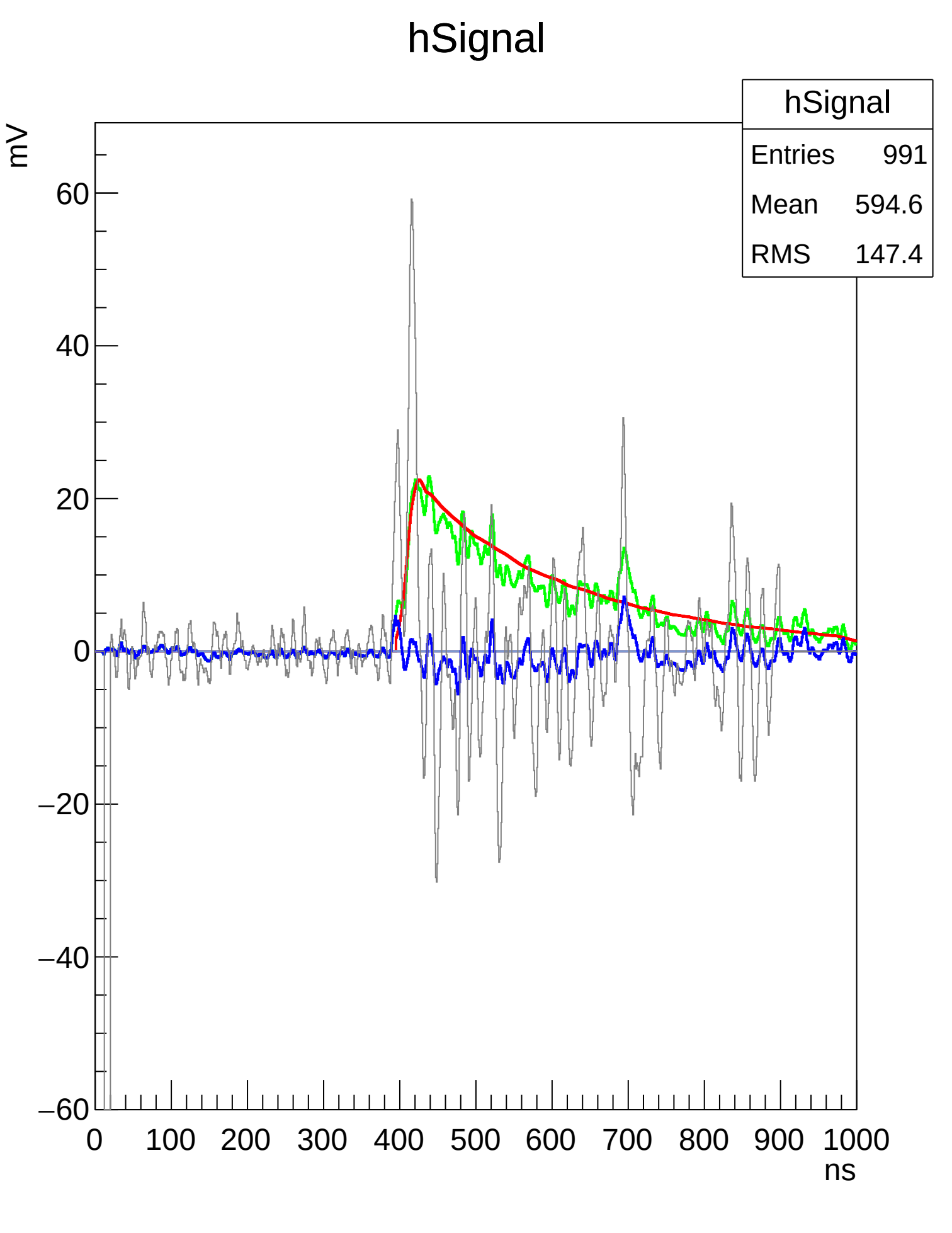
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.6
RMS 147.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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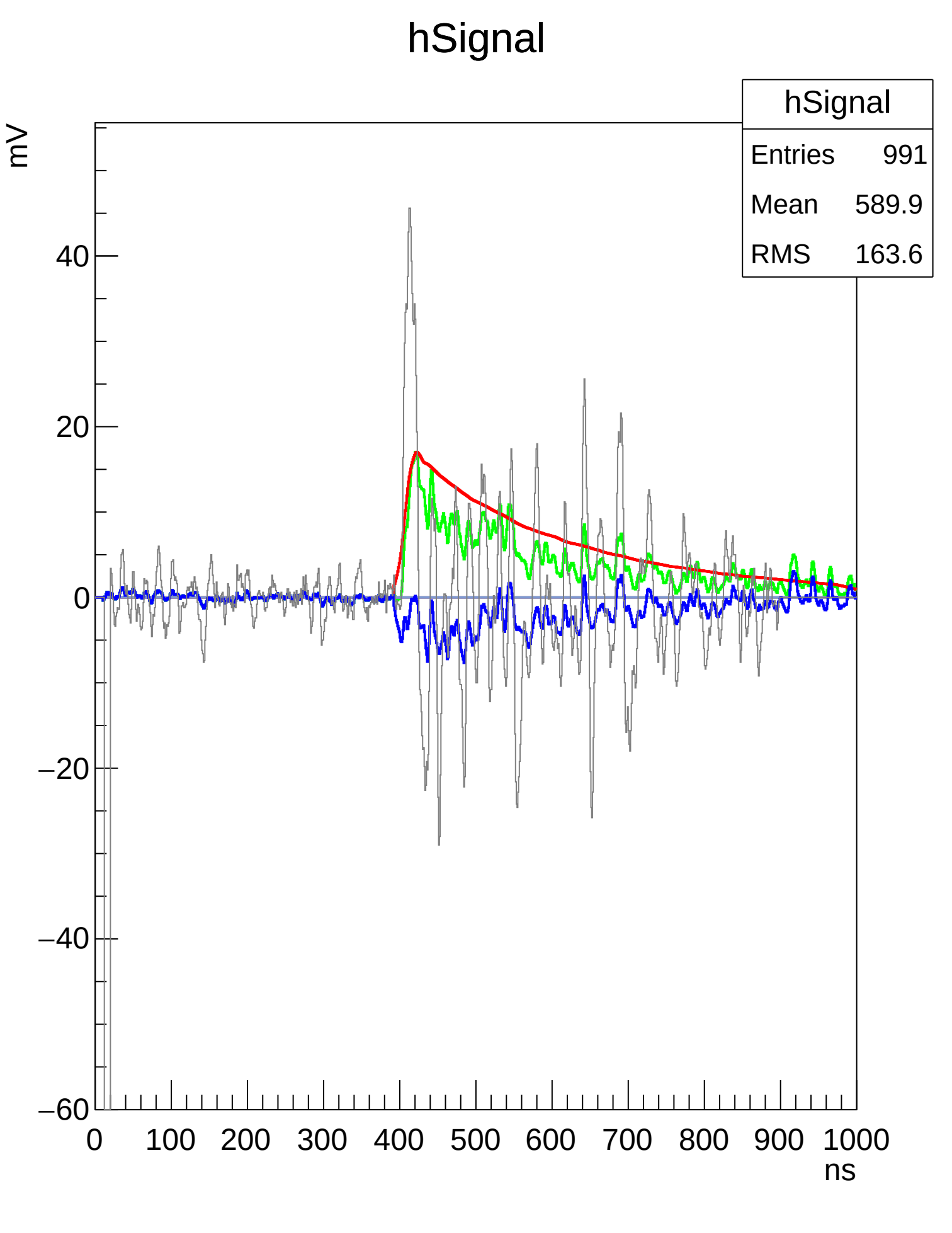
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.9
RMS 163.6
mV
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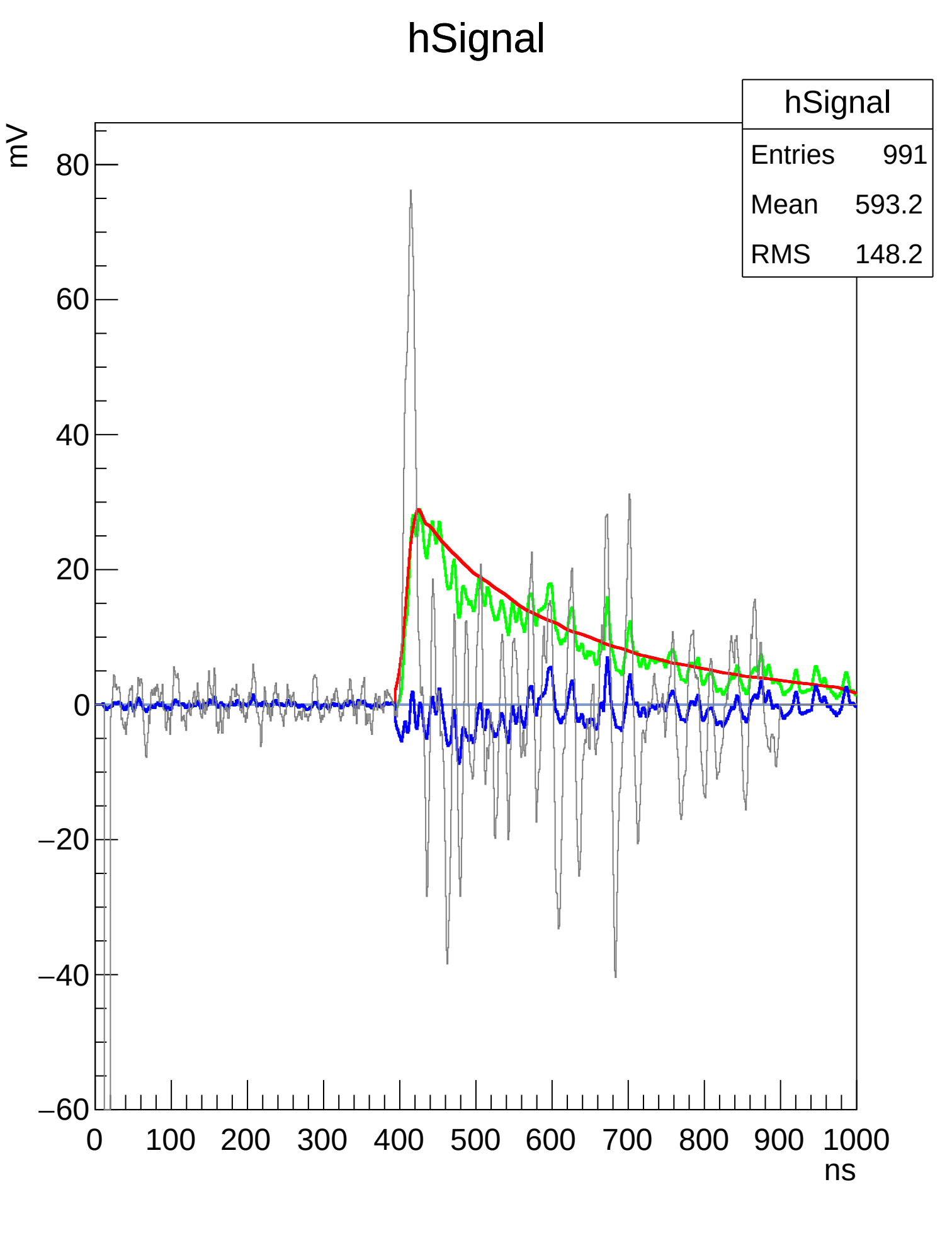
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.2
RMS 148.2
mV
80
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20
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−20
−40
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0
100
200
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400
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600
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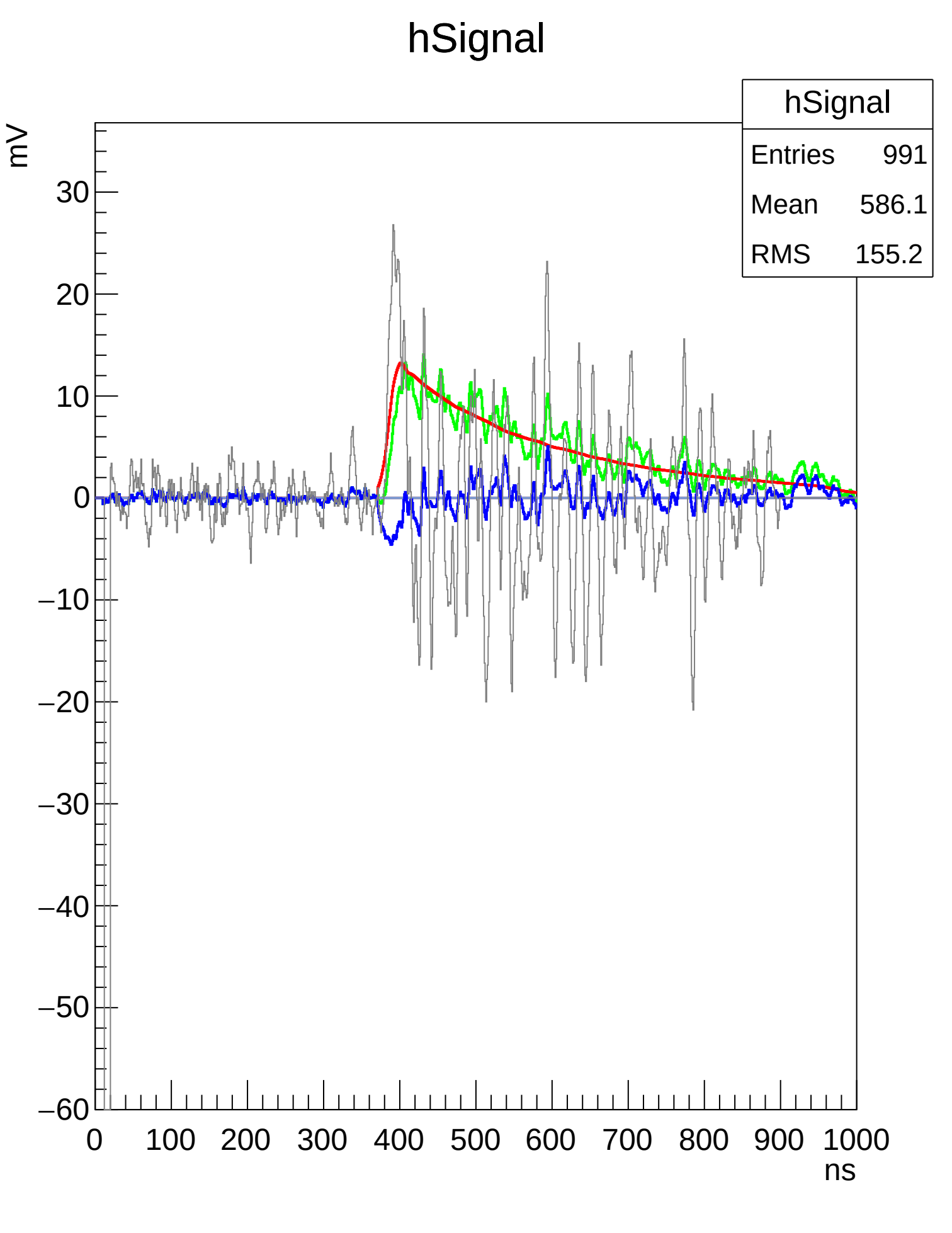
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.1
RMS 155.2
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
300
400
500
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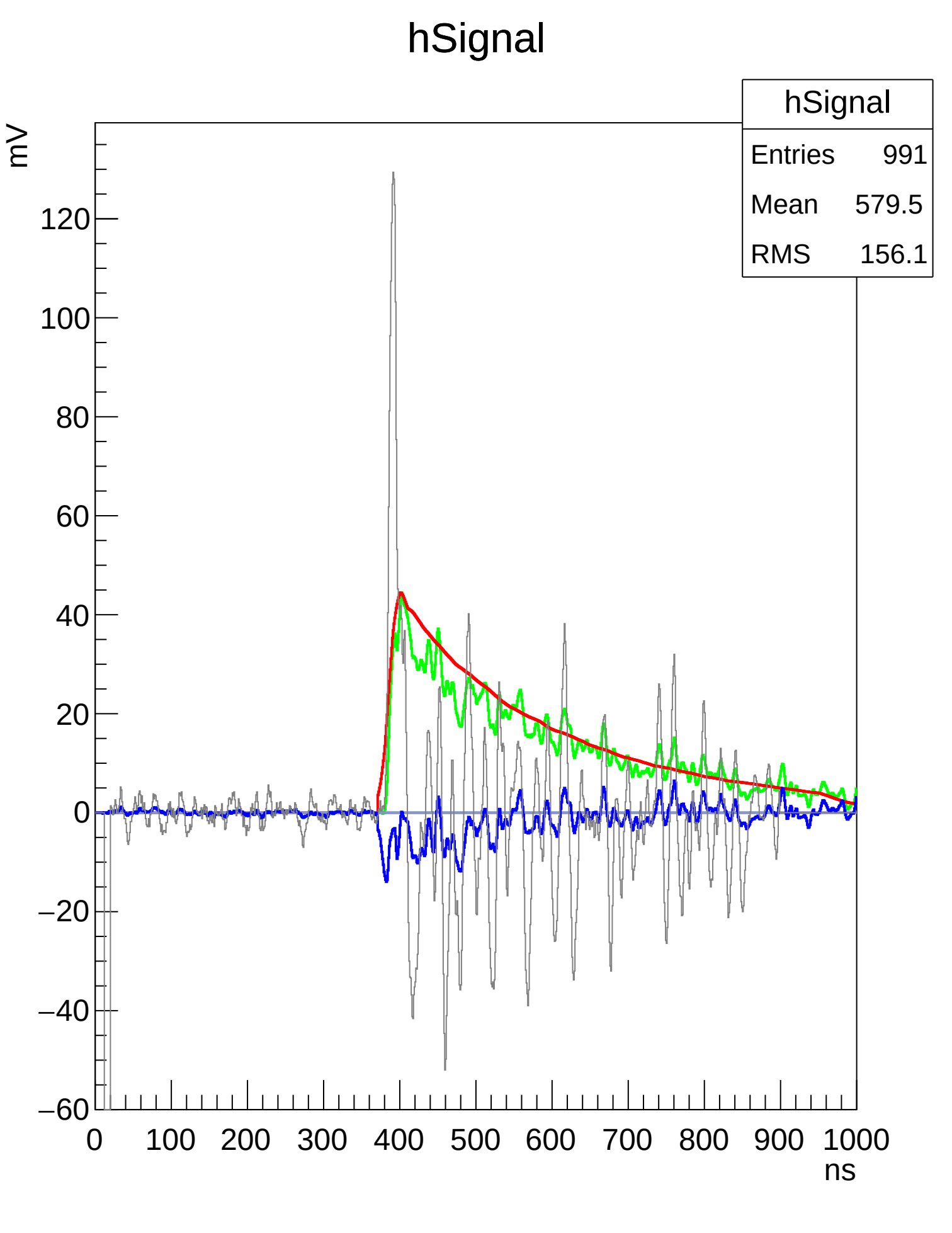
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.5
RMS 156.1
mV
120
100
80
60
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20
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−20
−40
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0
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200
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400
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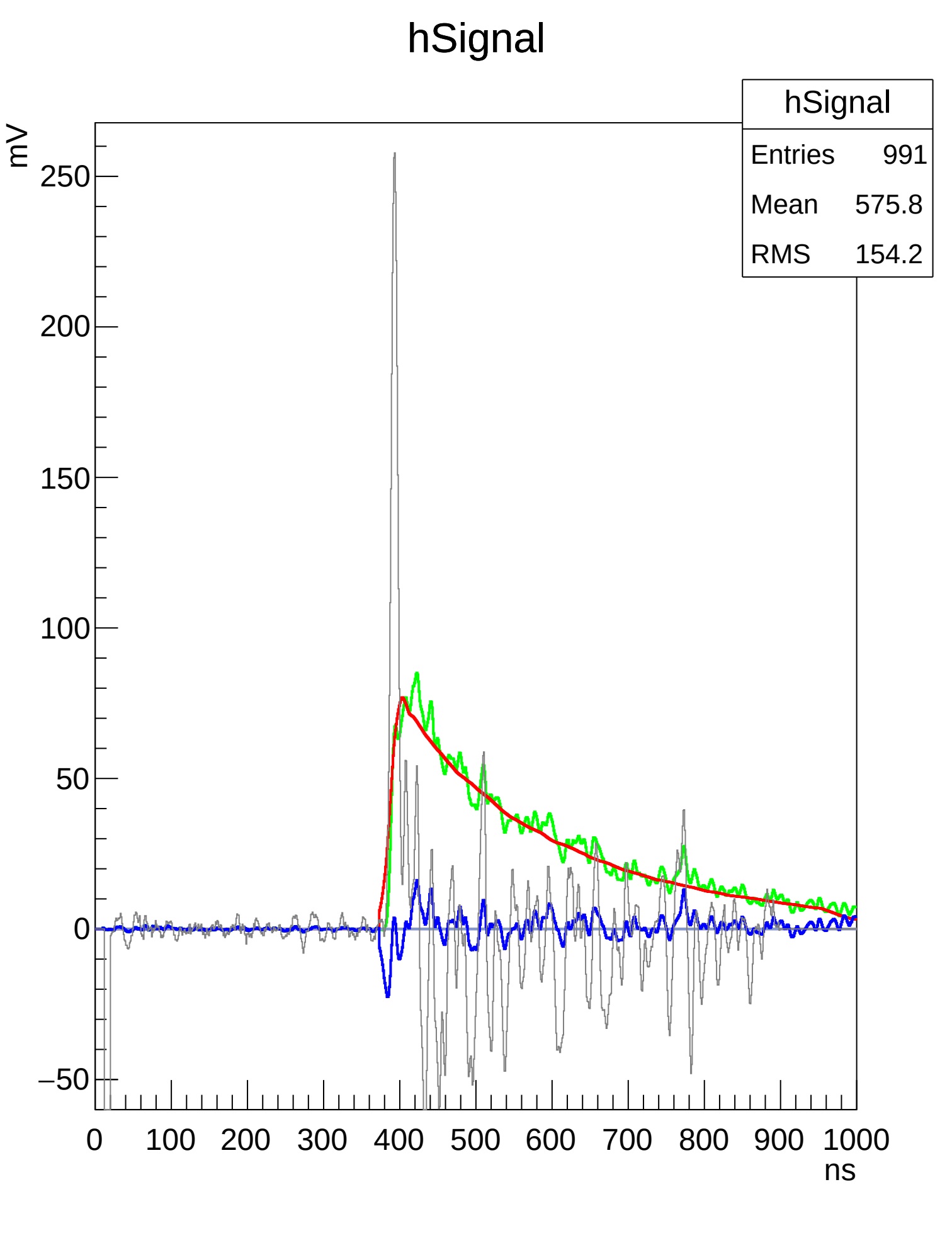
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.8
RMS 154.2
mV
250
200
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100
50
0
−50
0
100
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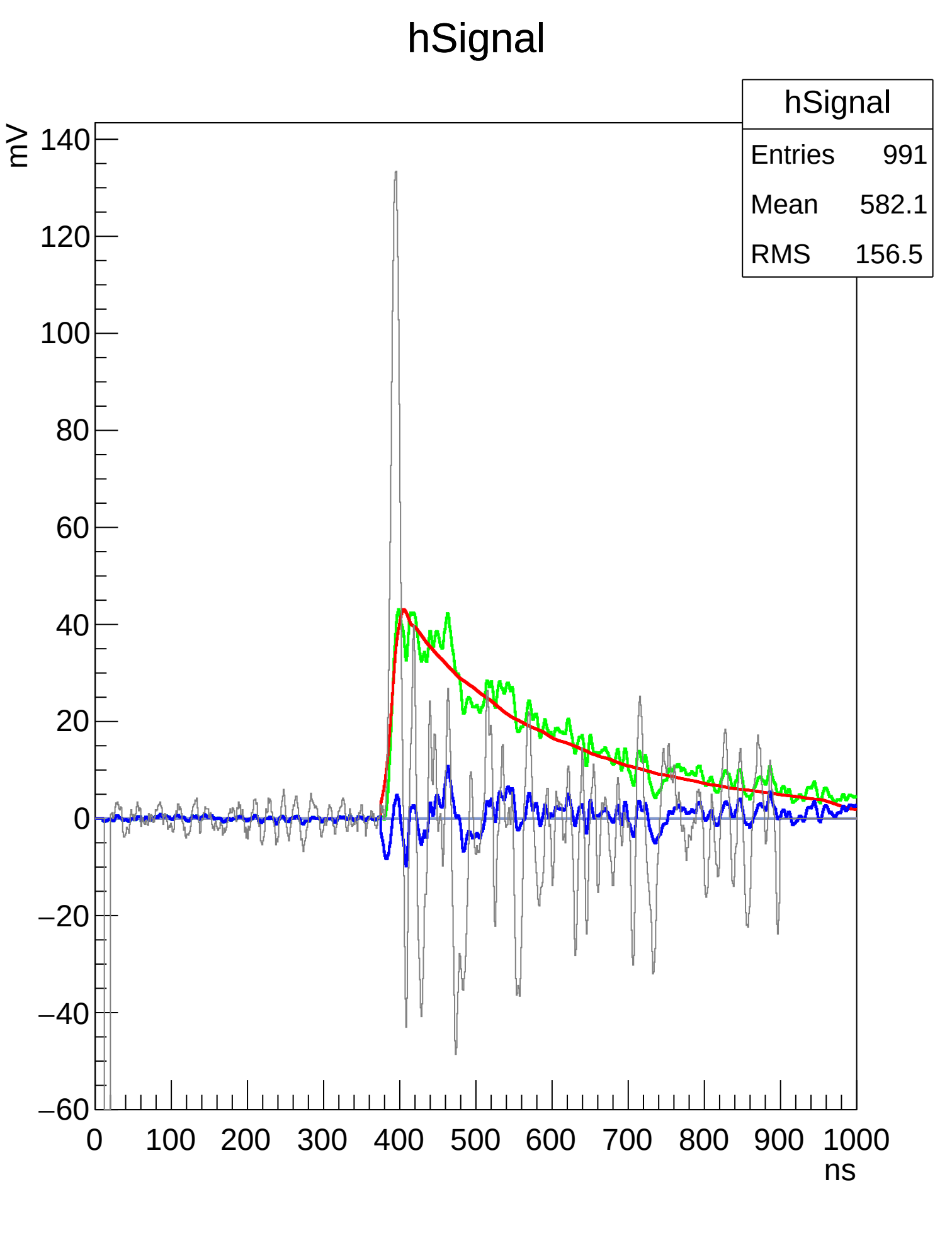
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.1
RMS 156.5
mV
140
120
100
80
60
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0
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200
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400
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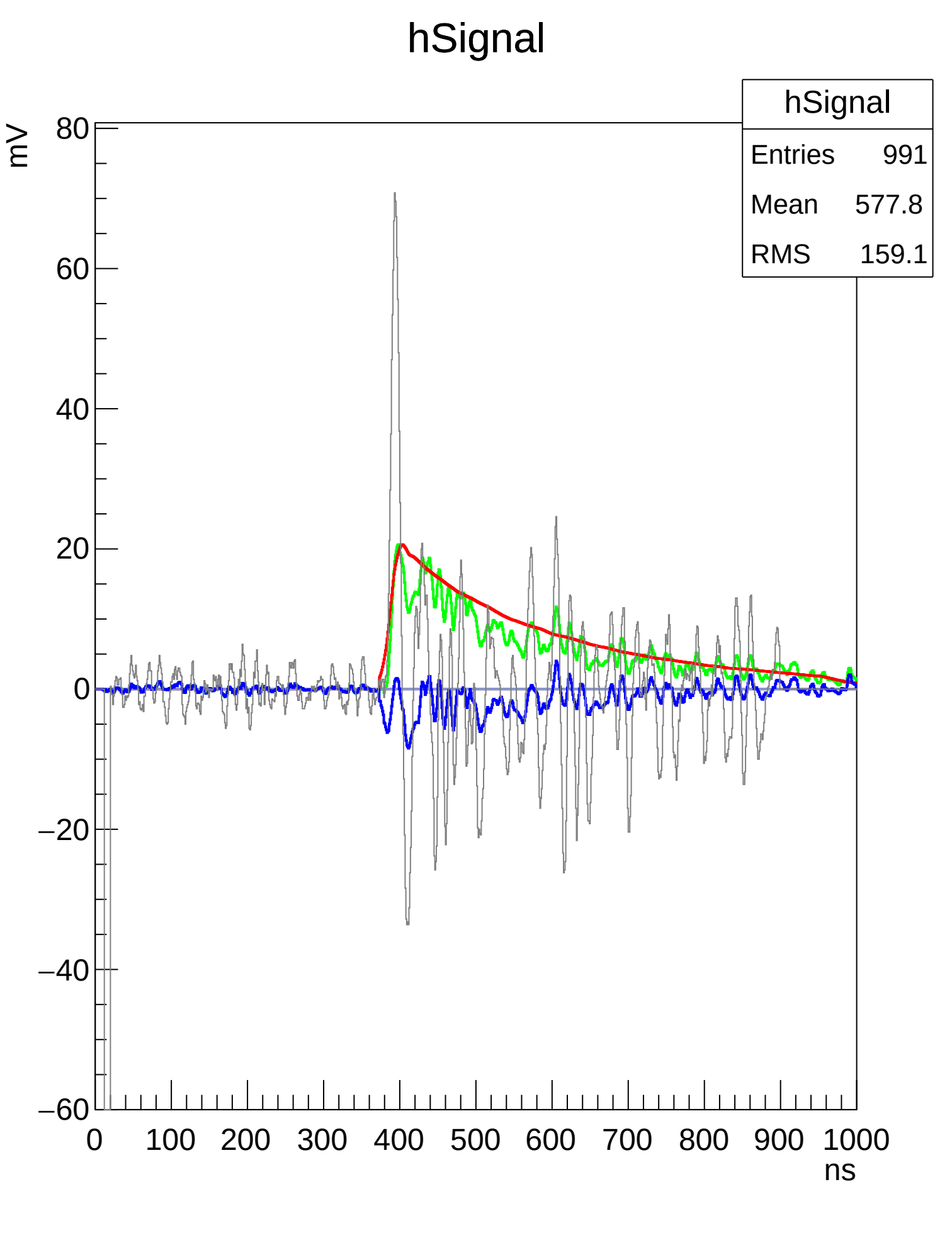
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 159.1
mV
80
60
40
20
0
−20
−40
−60
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100
200
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400
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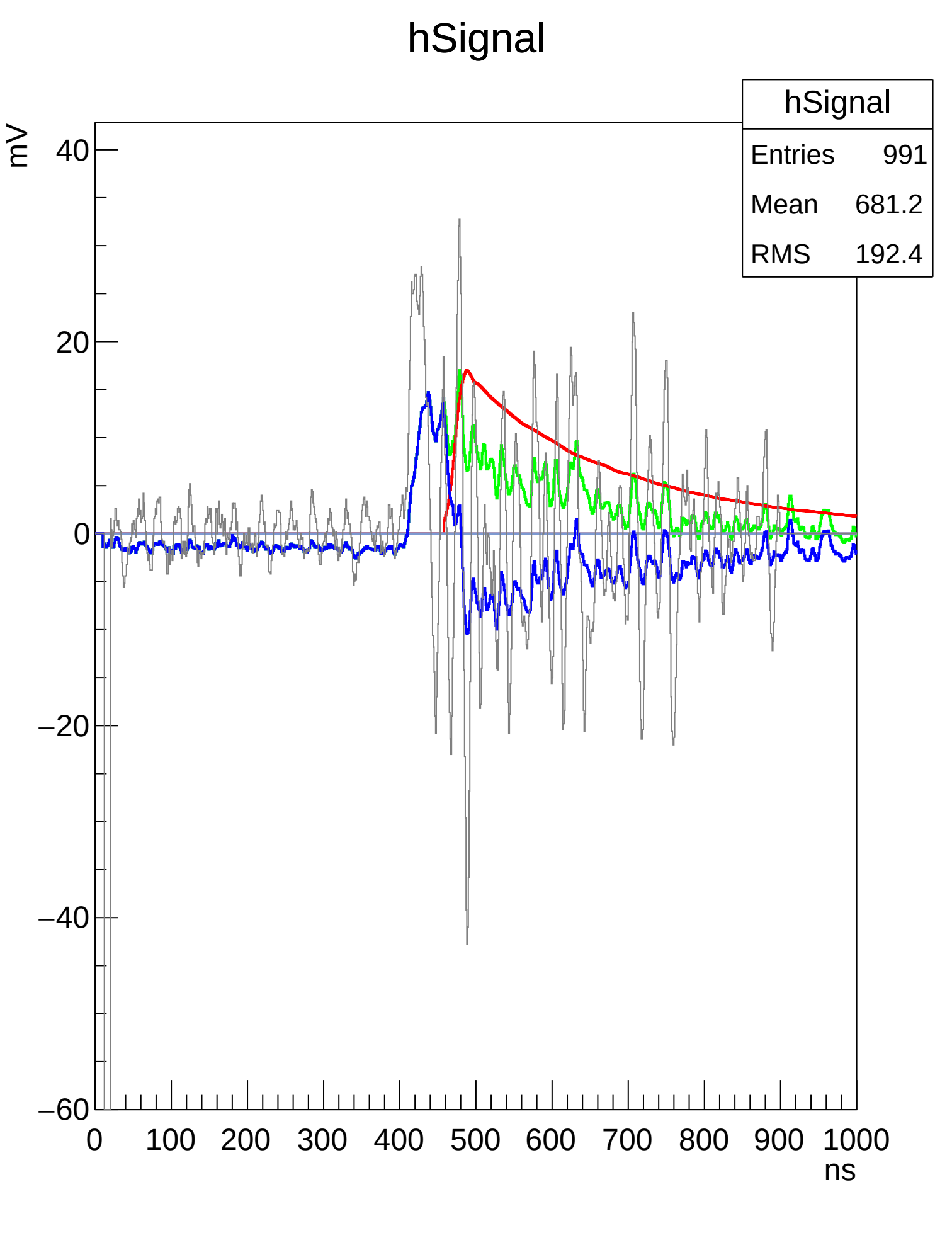
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 681.2
RMS 192.4
mV
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−20
−40
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0
100
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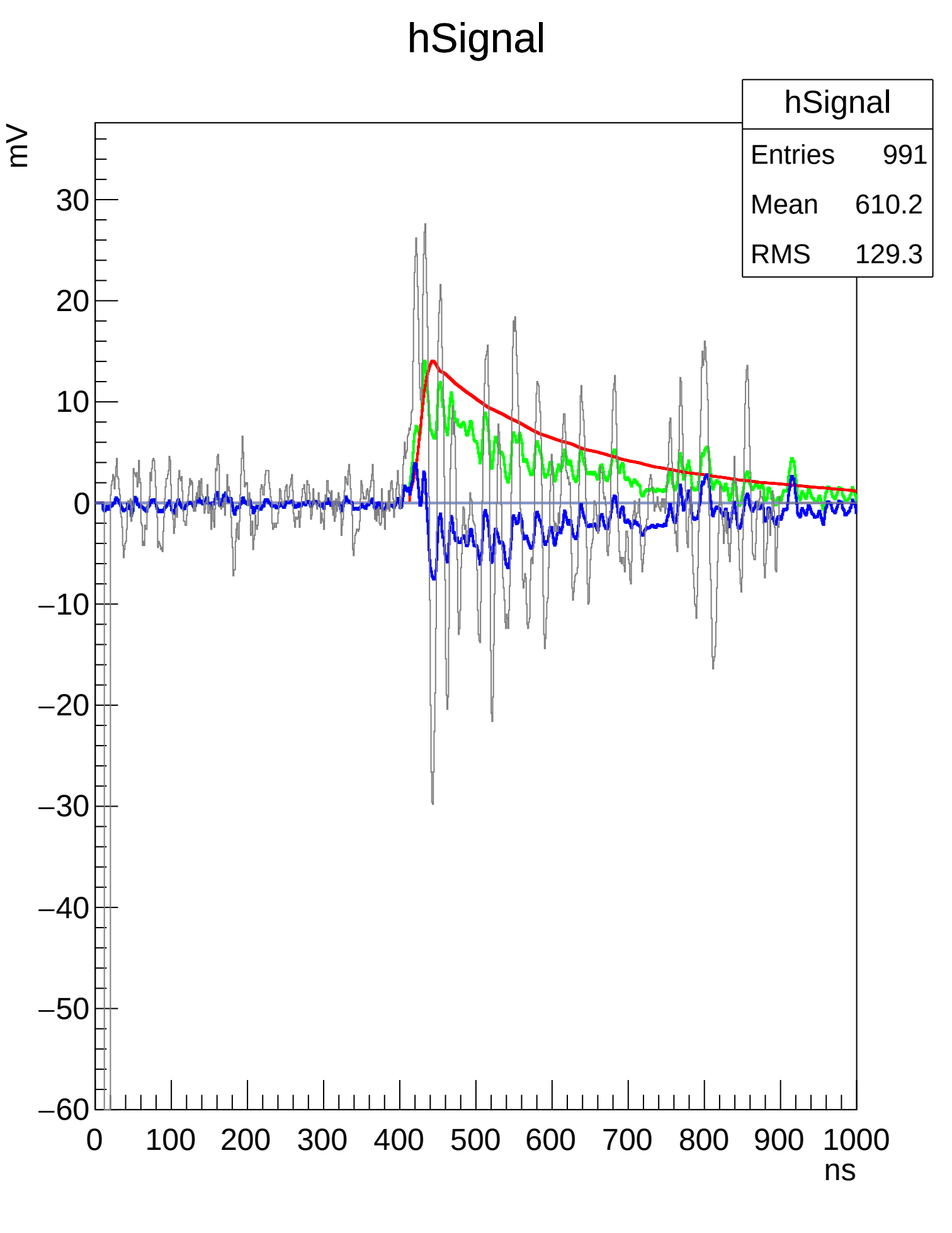
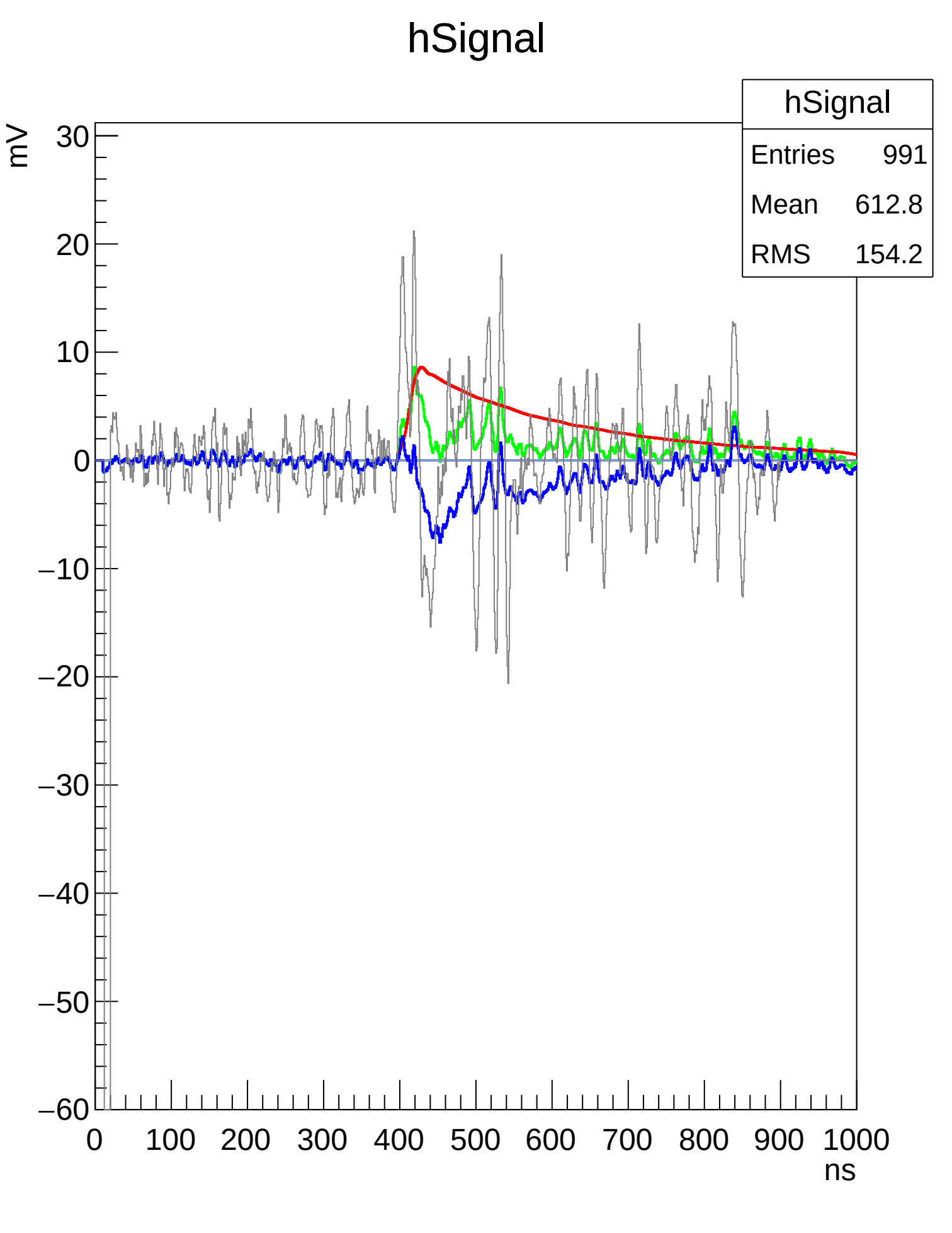
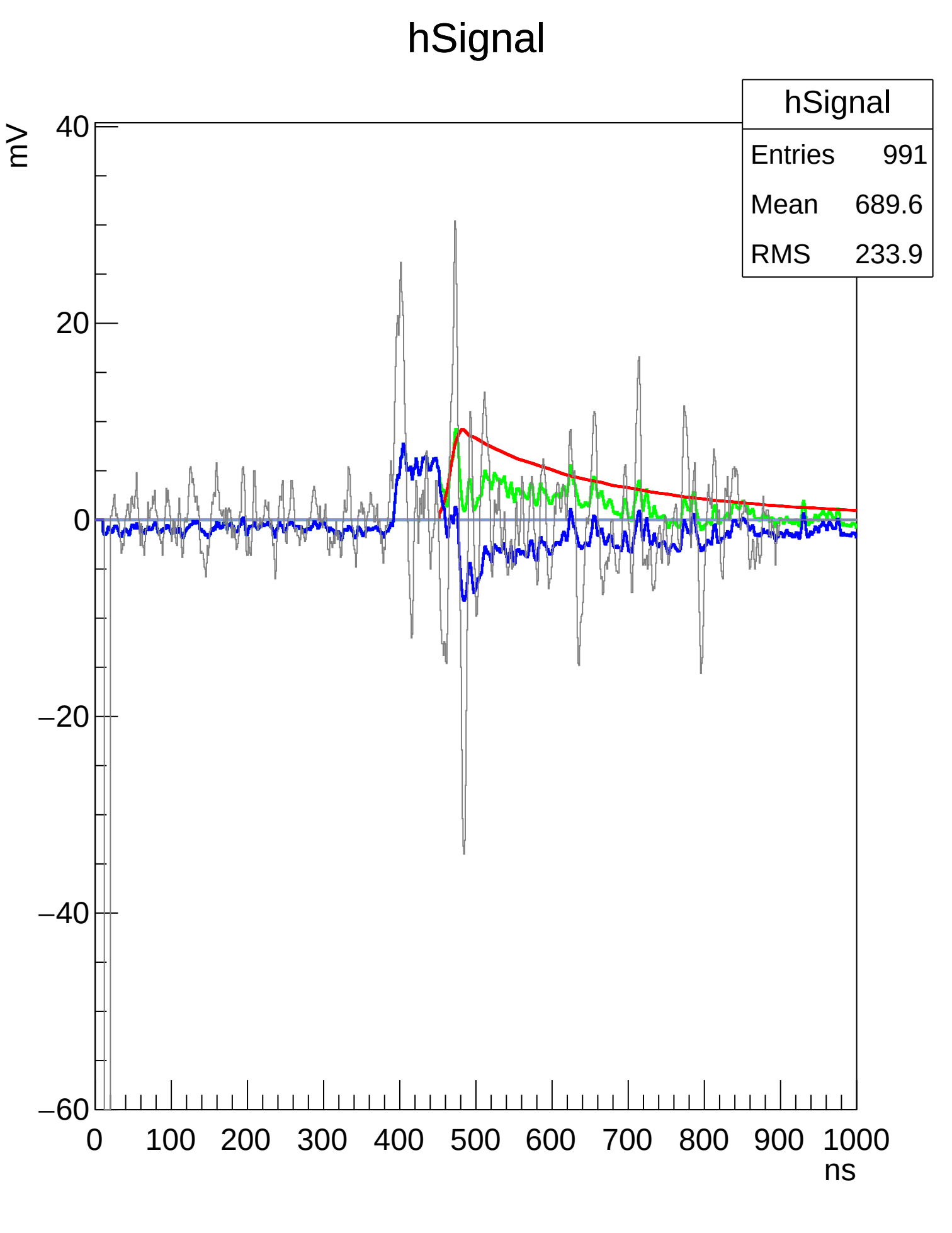
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.2
RMS 129.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.8
RMS 154.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 689.6
RMS 233.9
mV
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−20
−40
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0
100
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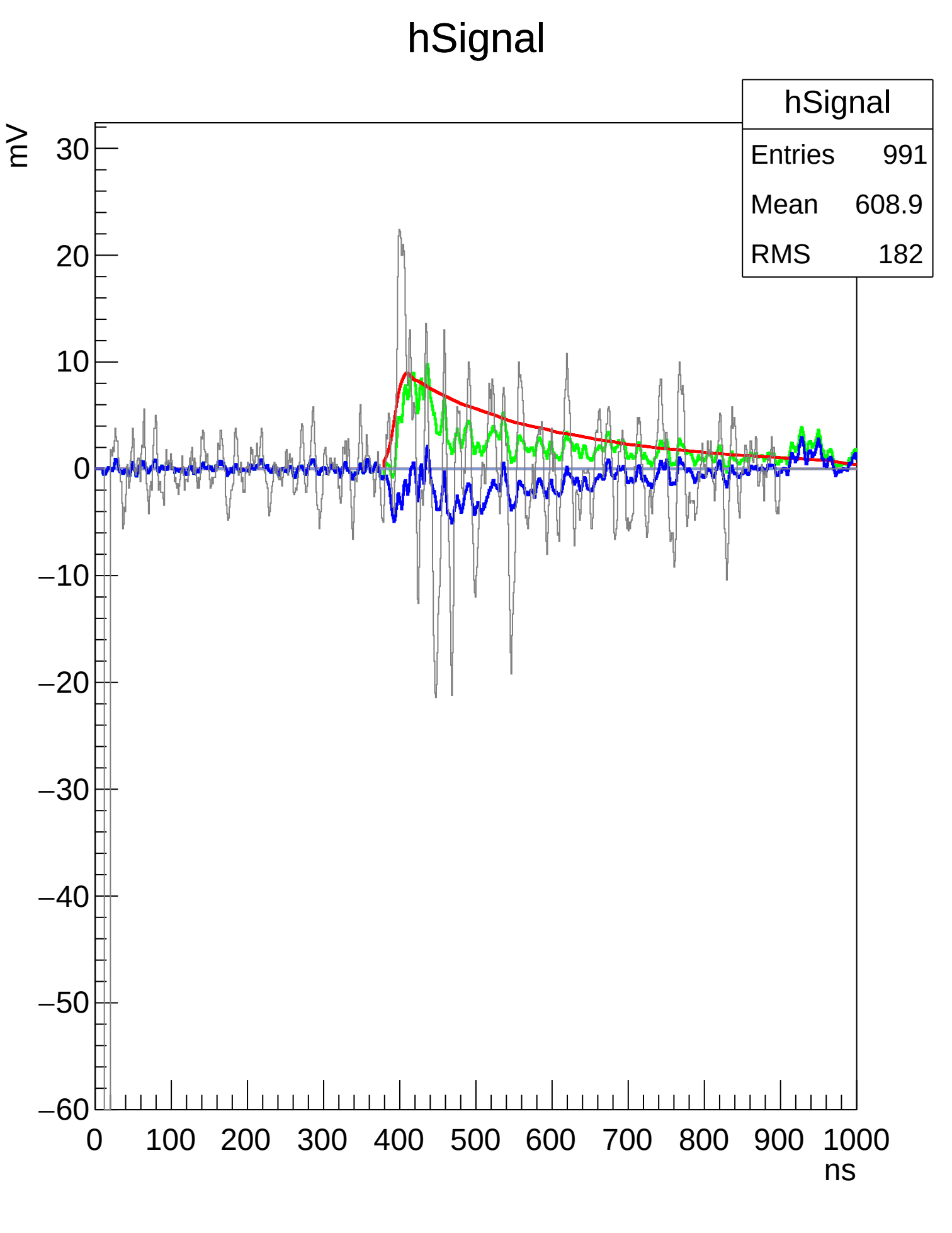
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.9
RMS 182
mV
30
20
10
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−10
−20
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−40
−50
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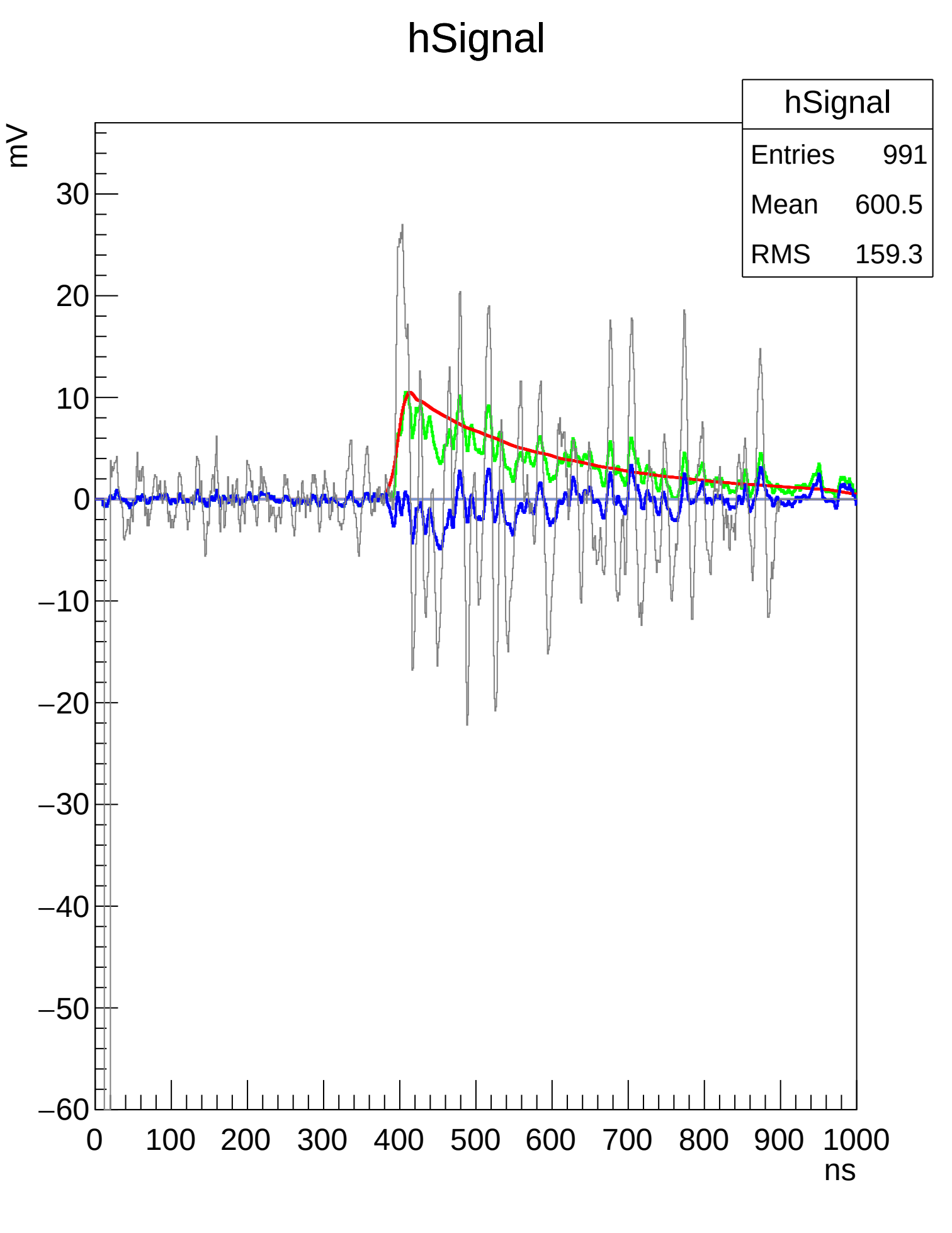
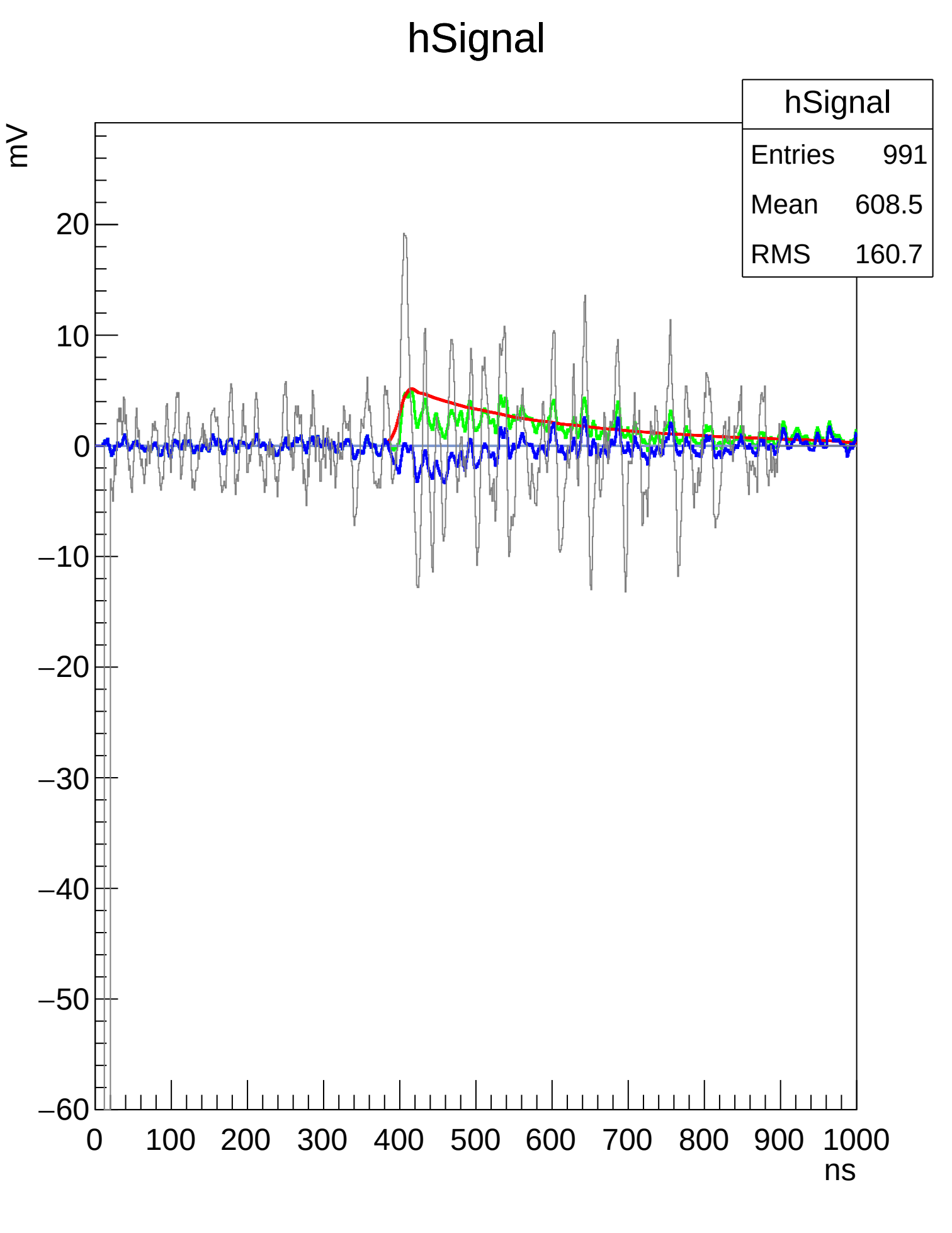
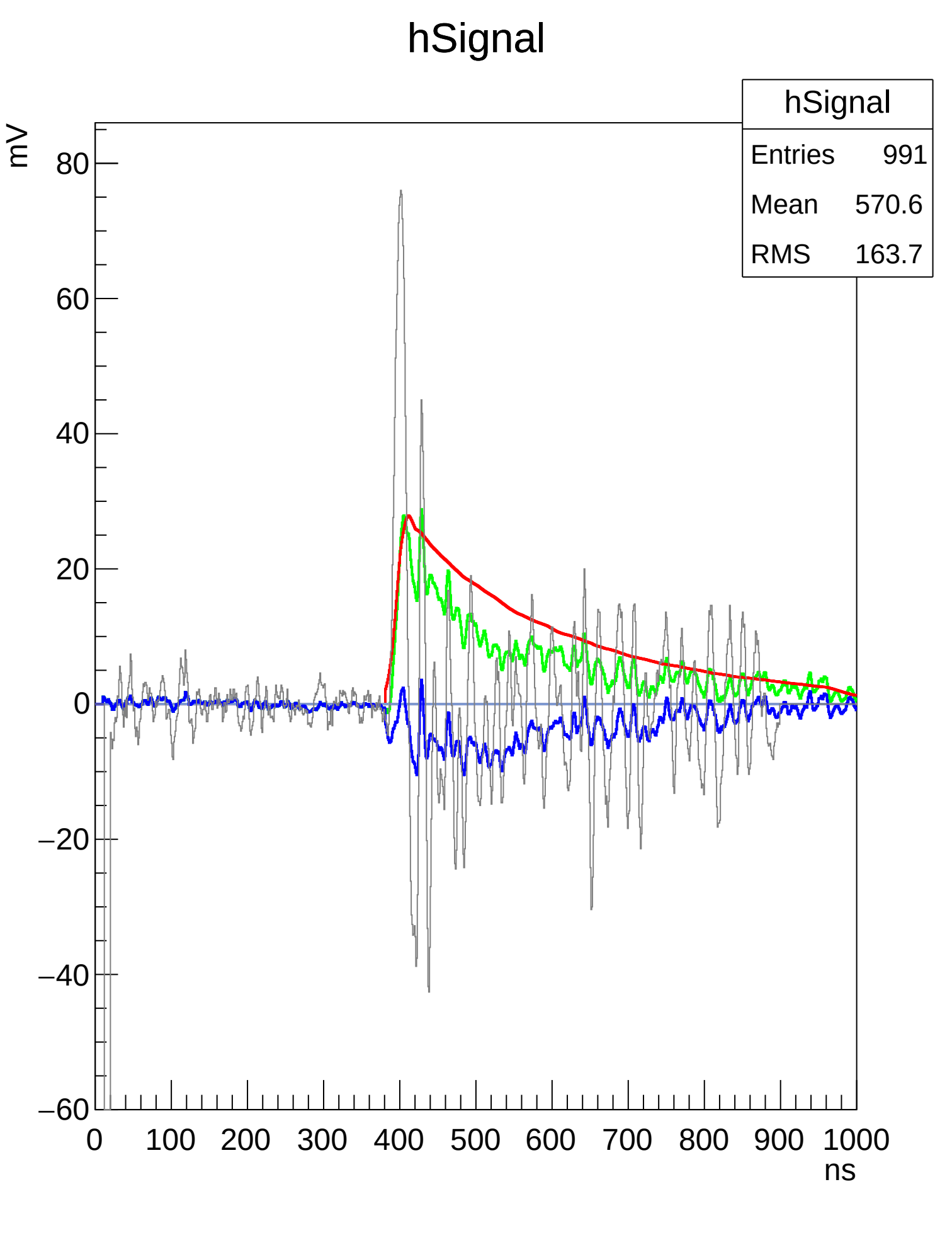
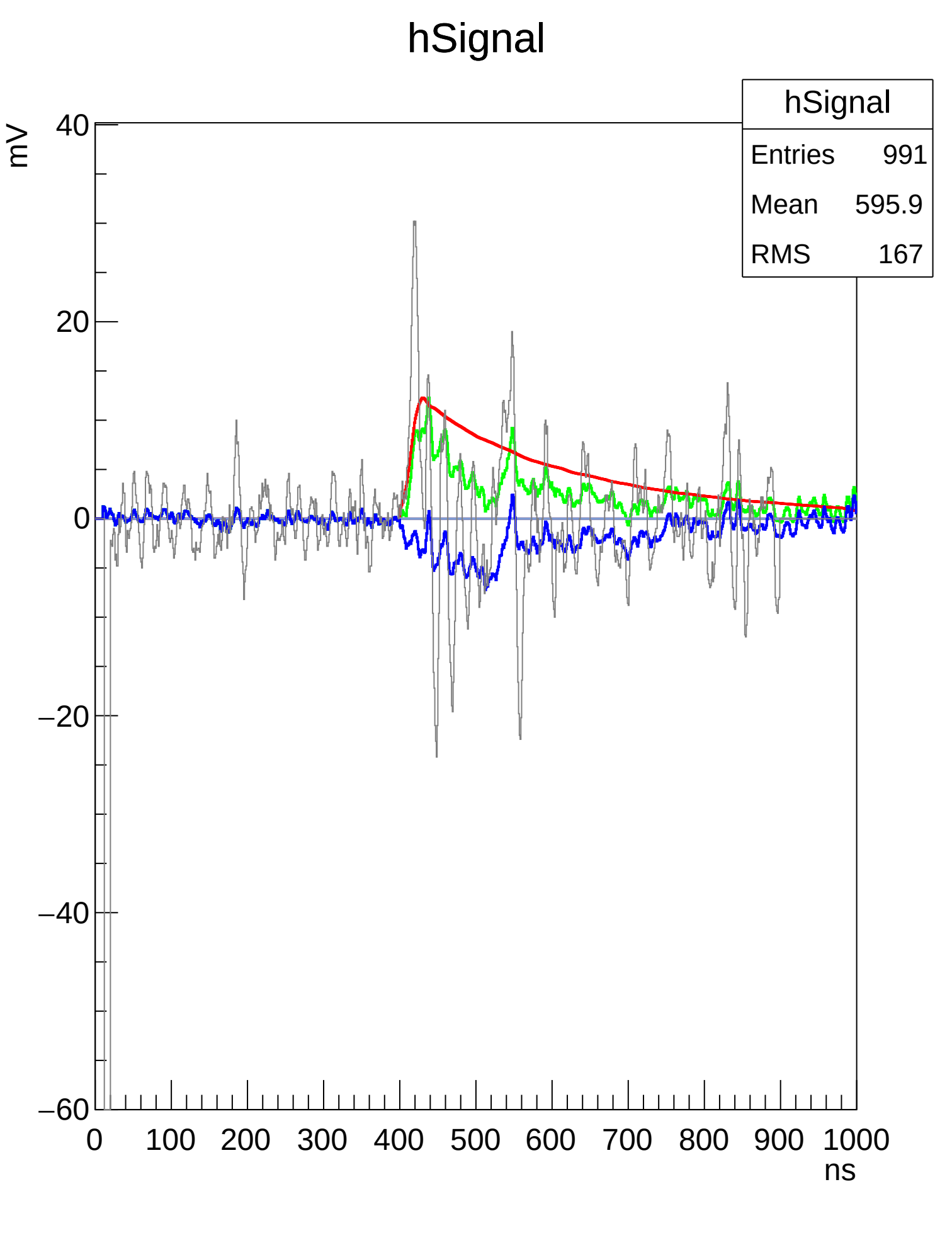
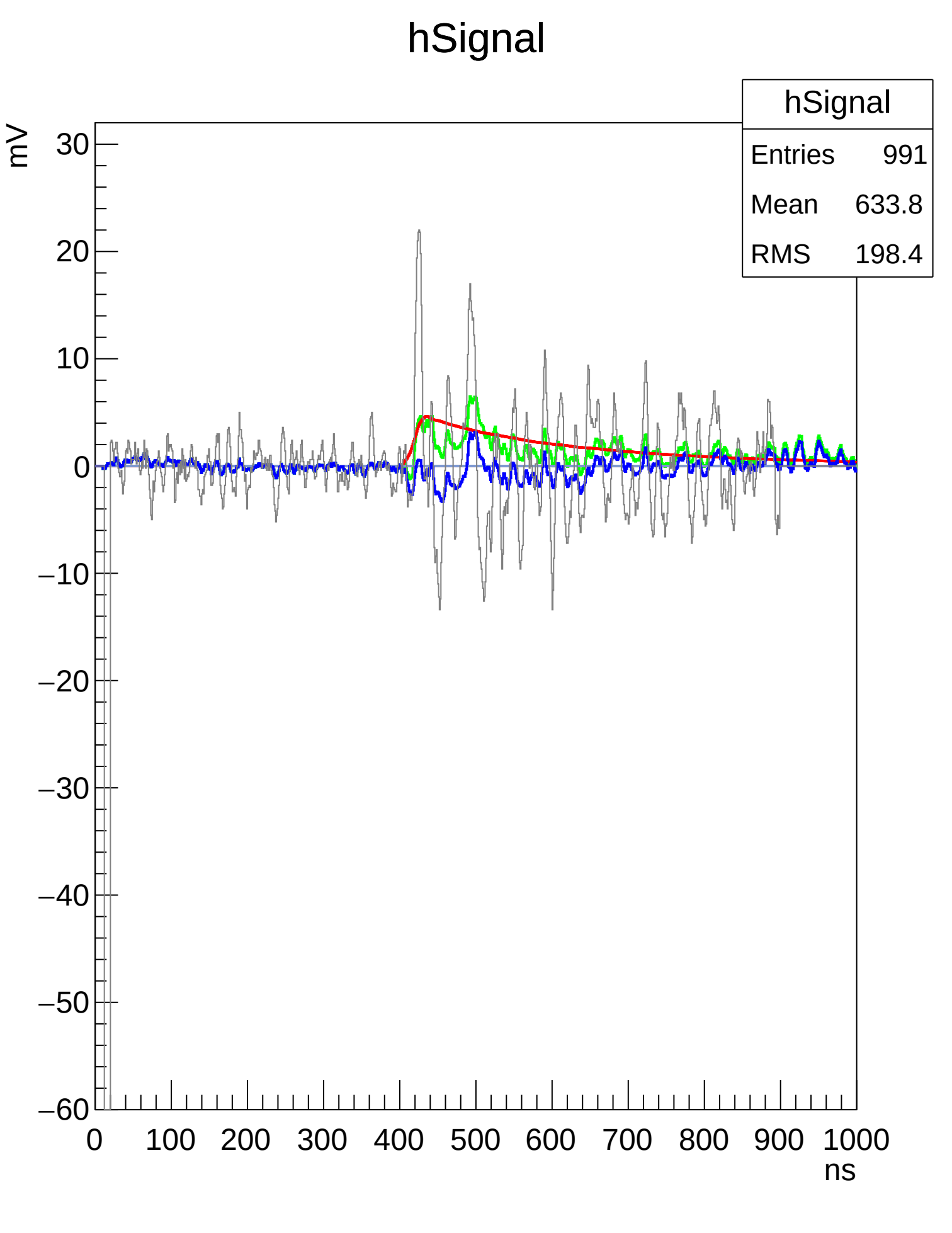
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.5
RMS 159.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.5
RMS 160.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 163.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.9
RMS 167
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 633.8
RMS 198.4
mV
30
20
10
0
−10
−20
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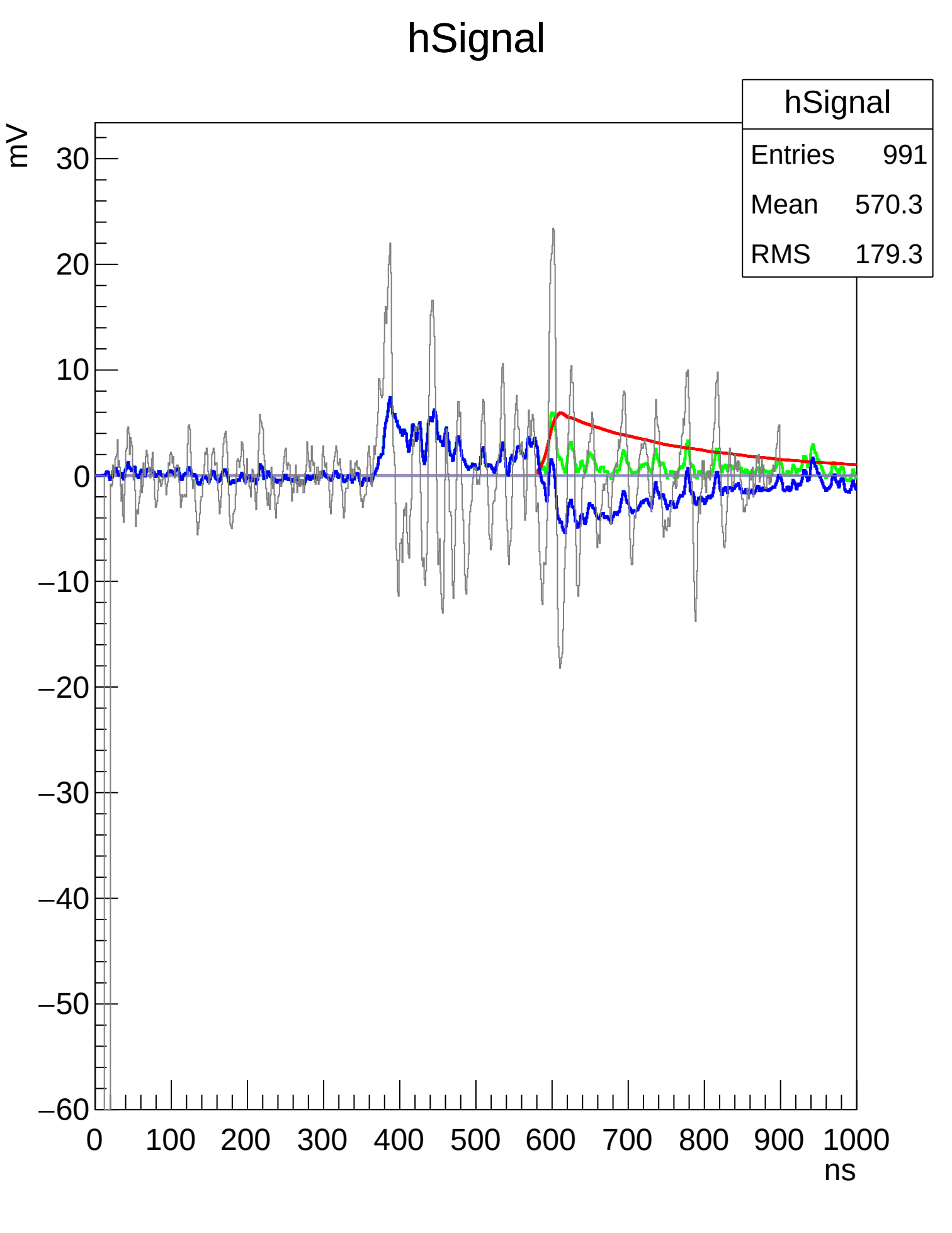
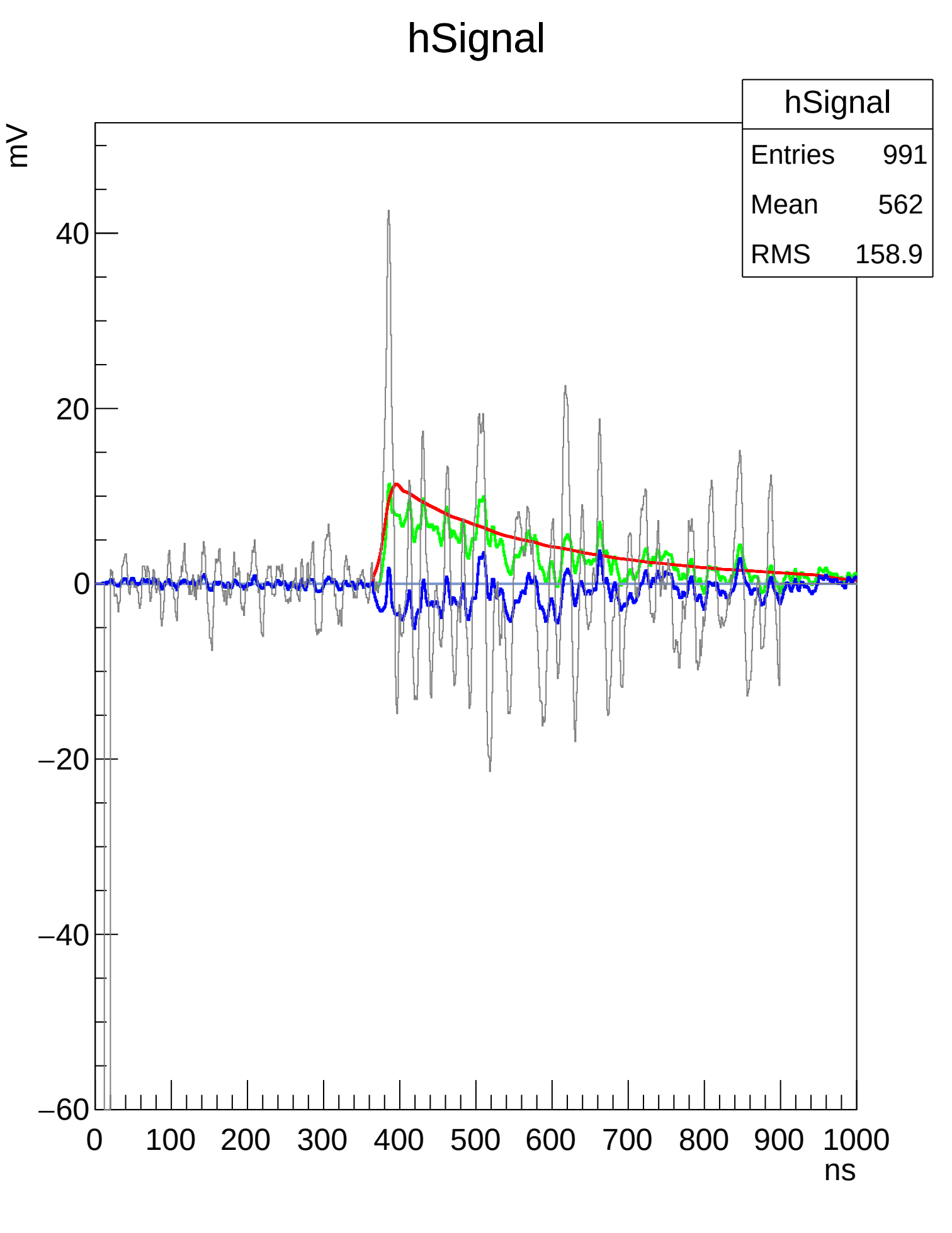
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.3
RMS 179.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562
RMS 158.9
mV
40
20
0
−20
−40
−60
0
100
200
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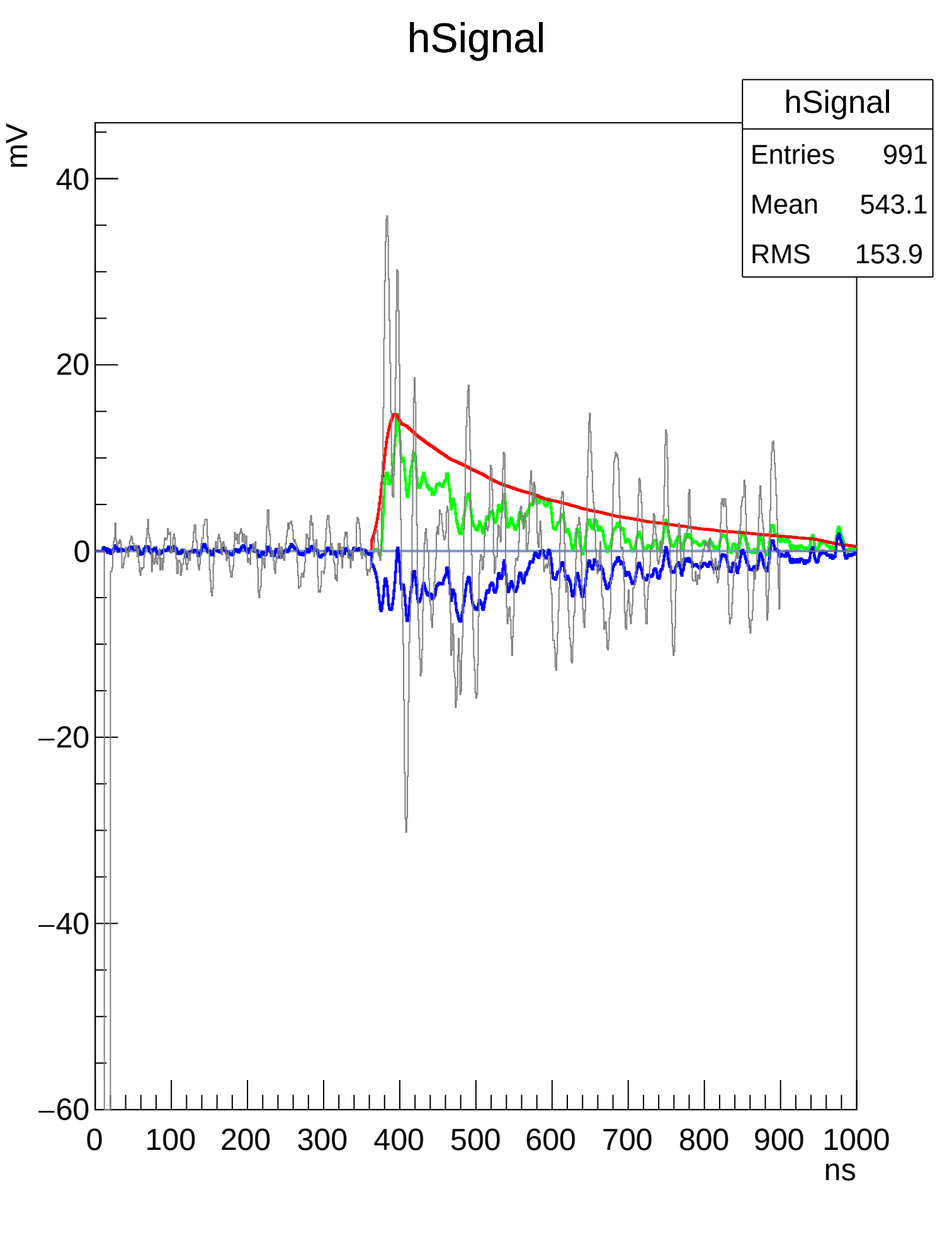
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.1
RMS 153.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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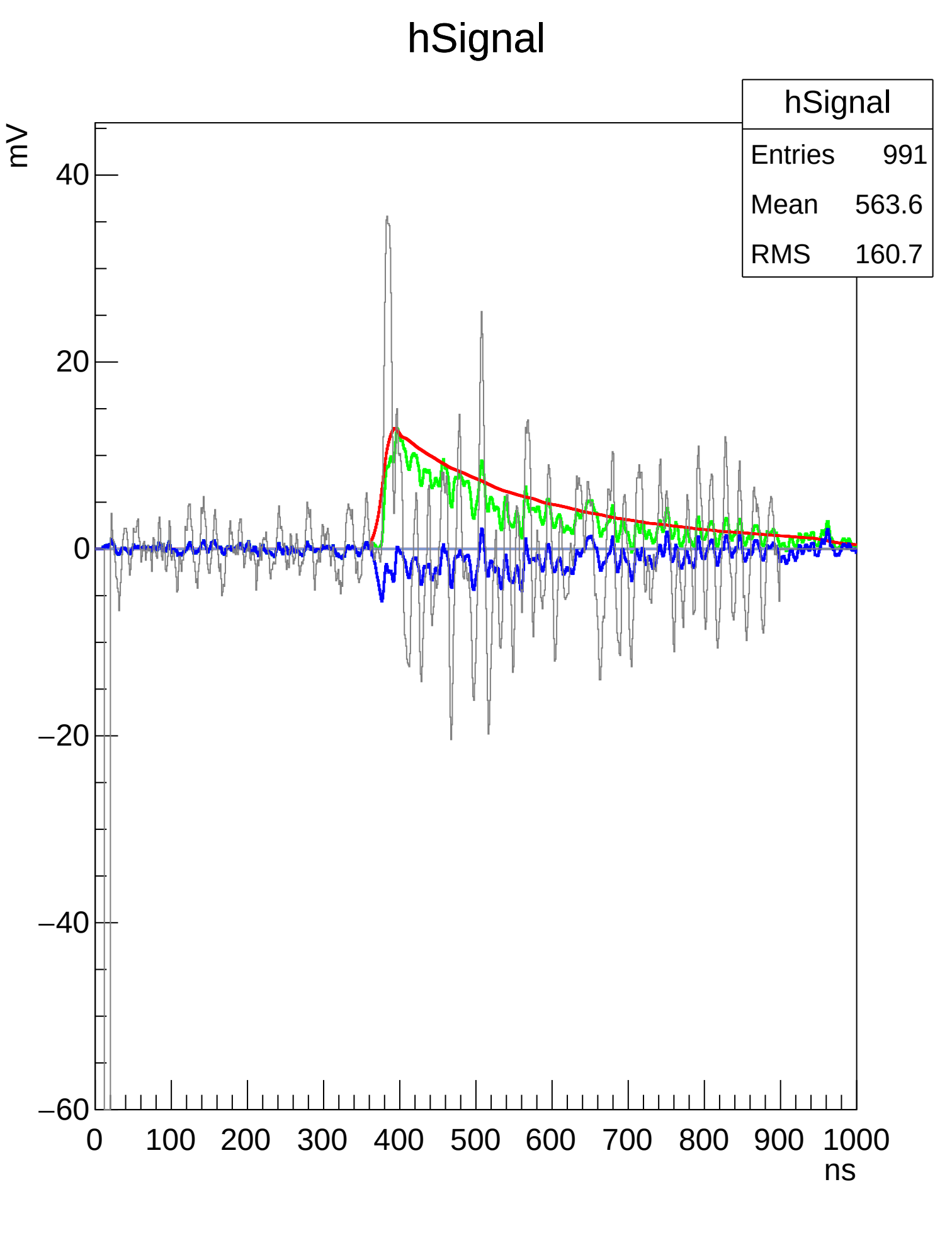
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.6
RMS 160.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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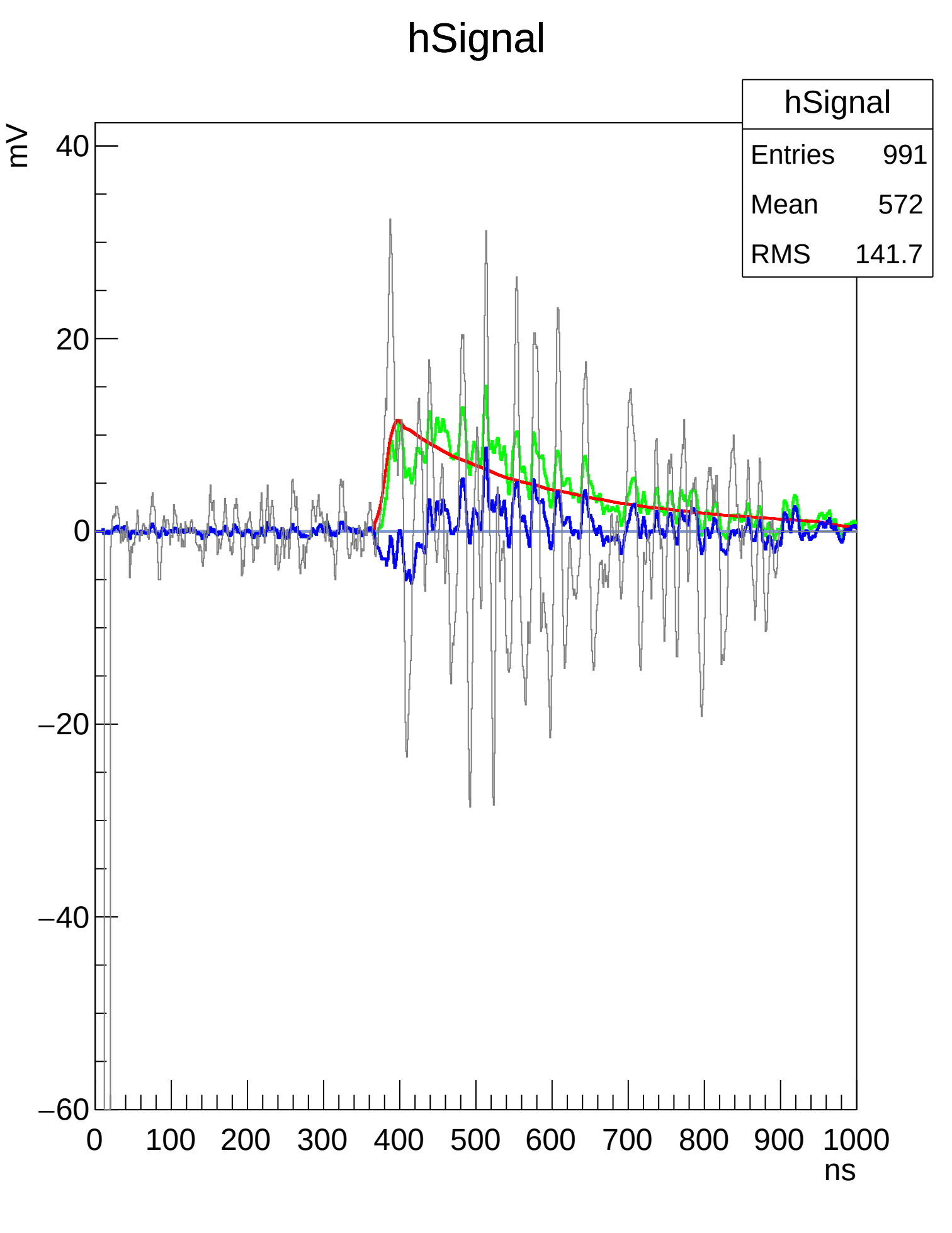
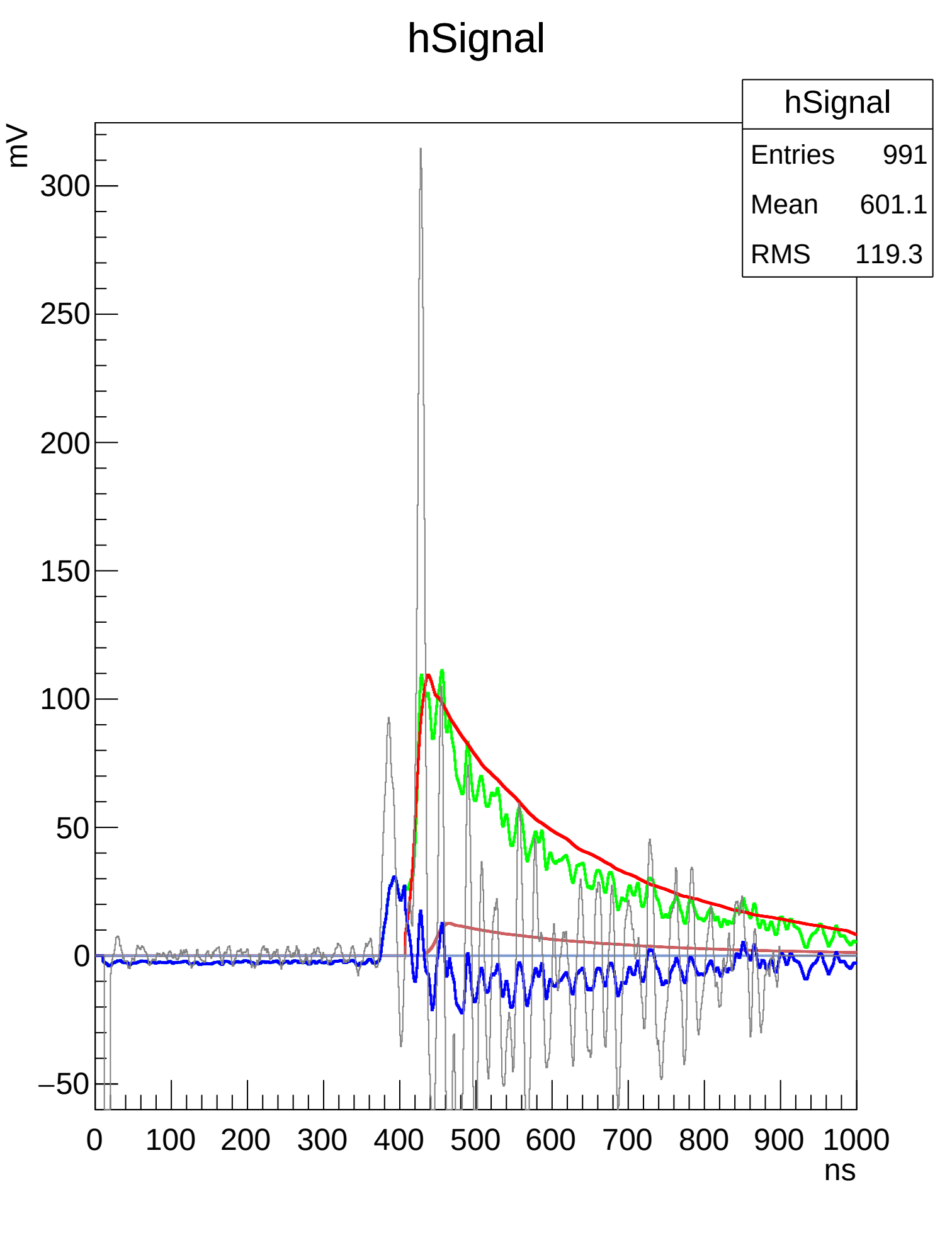
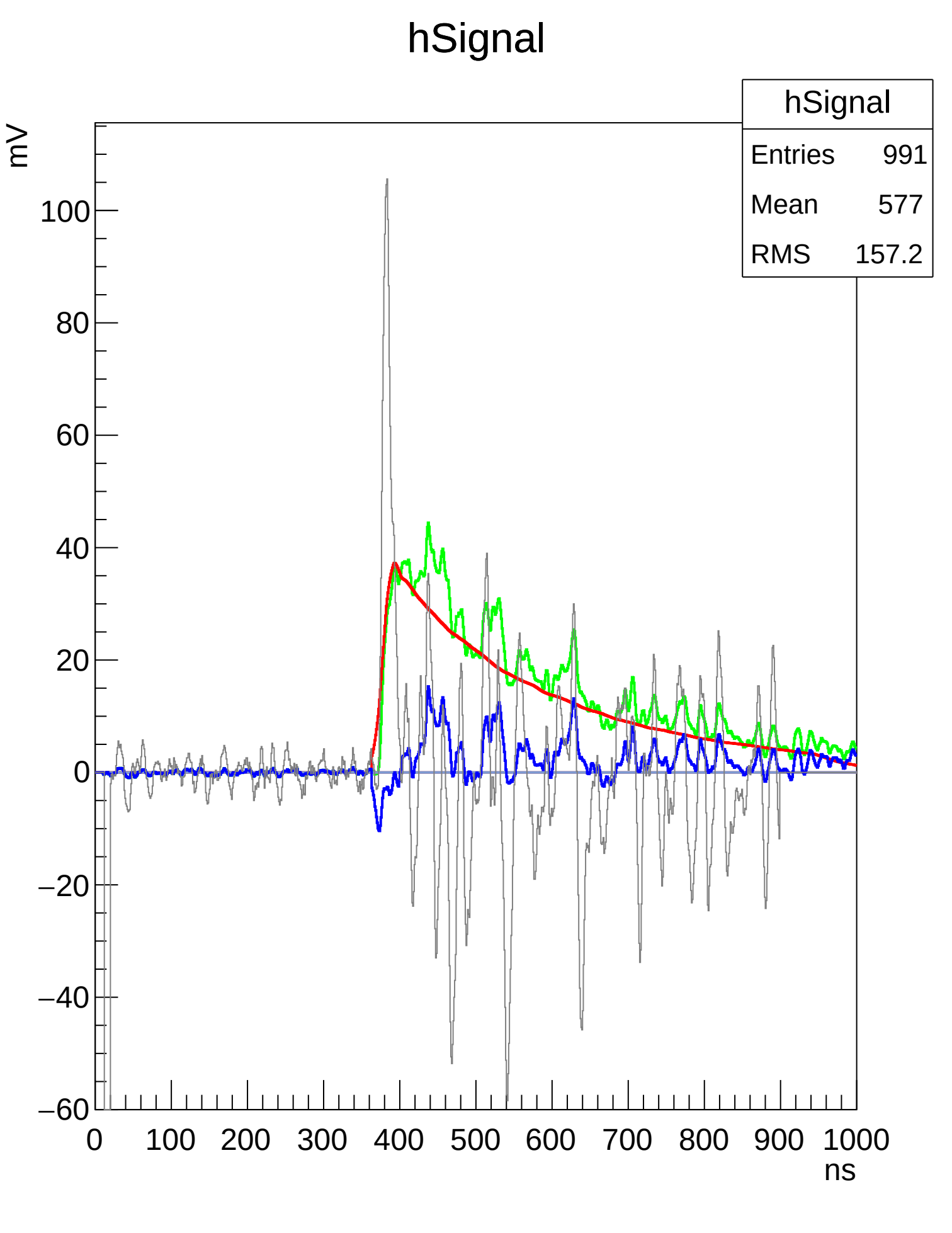
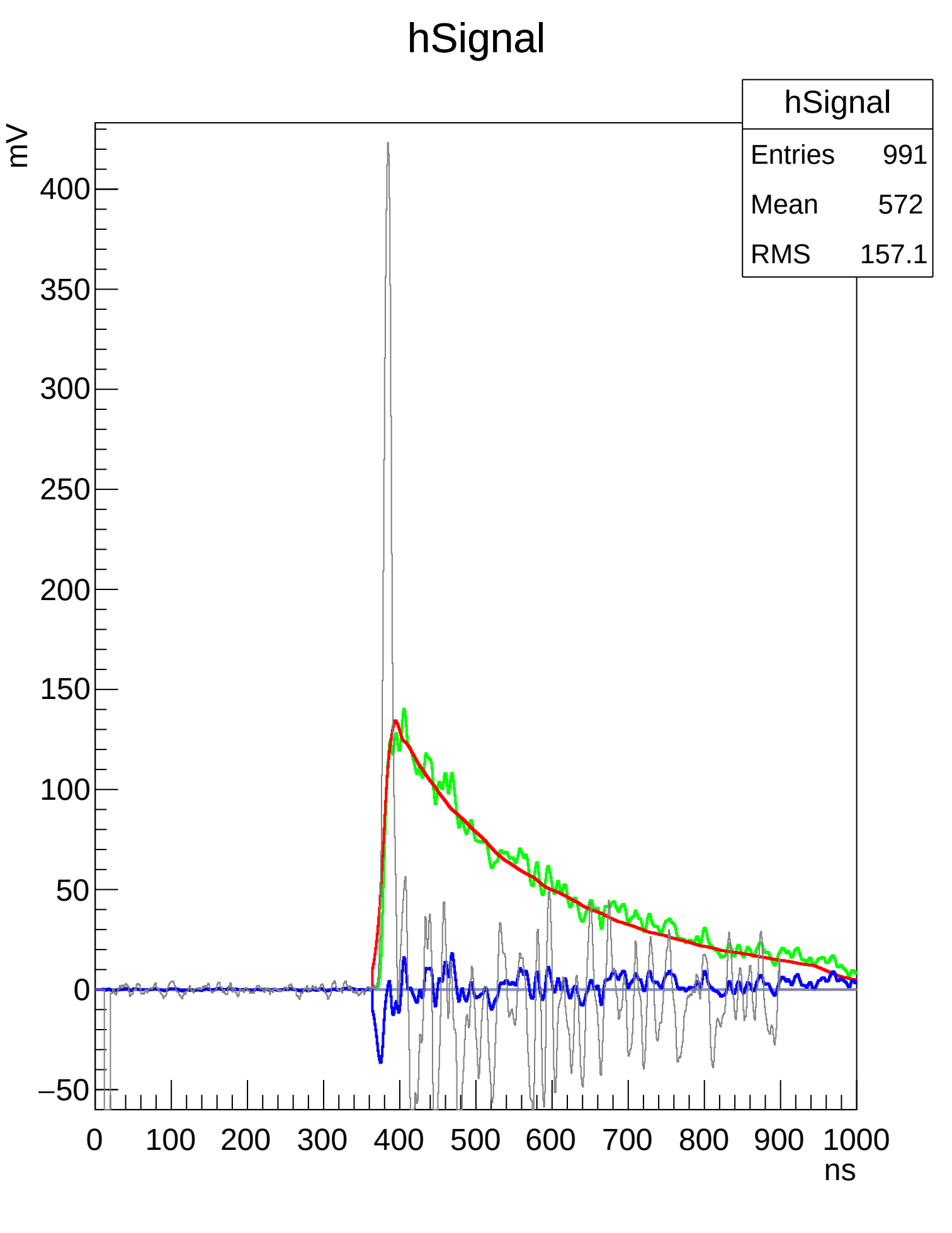
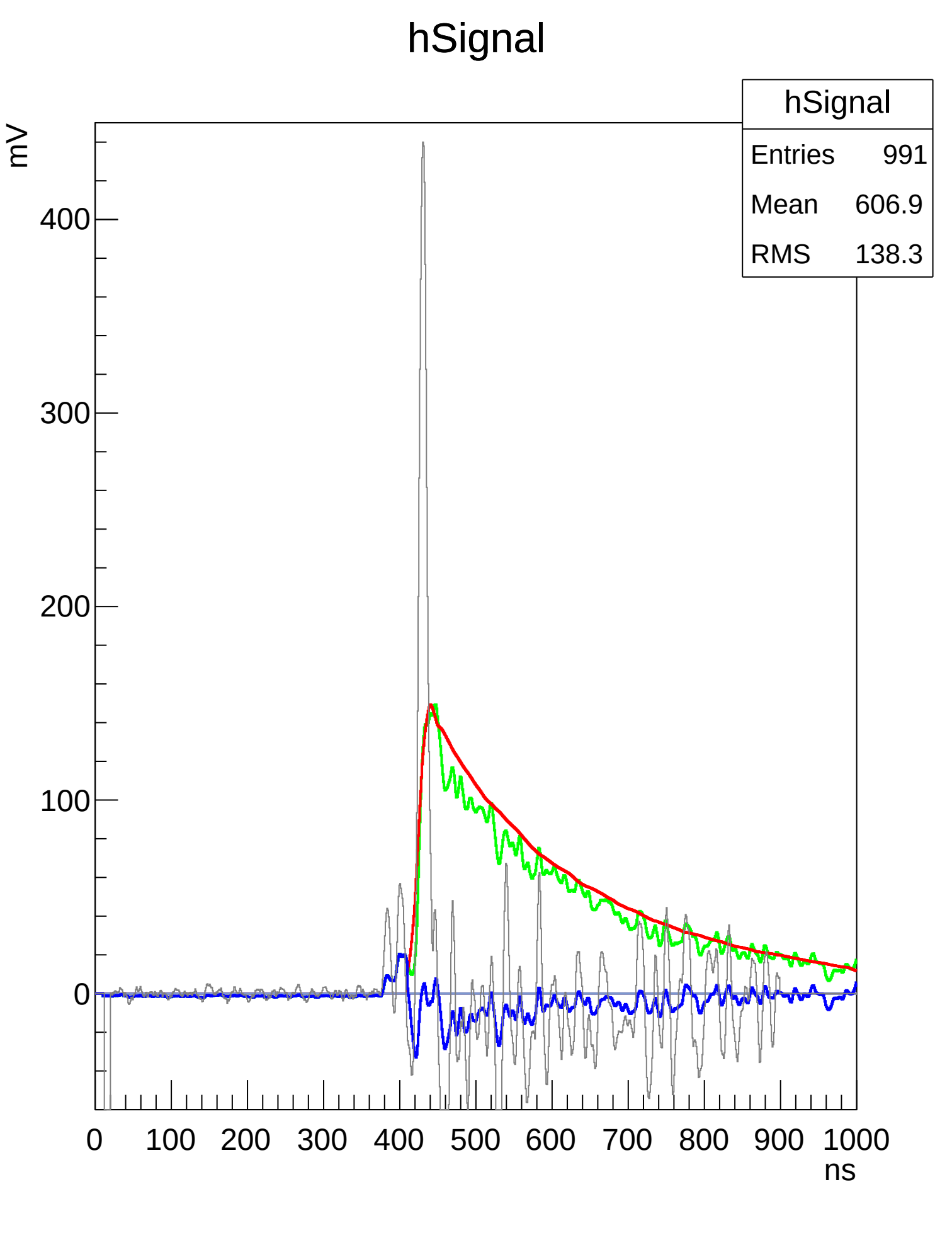
600
700
800
900
1000
ns

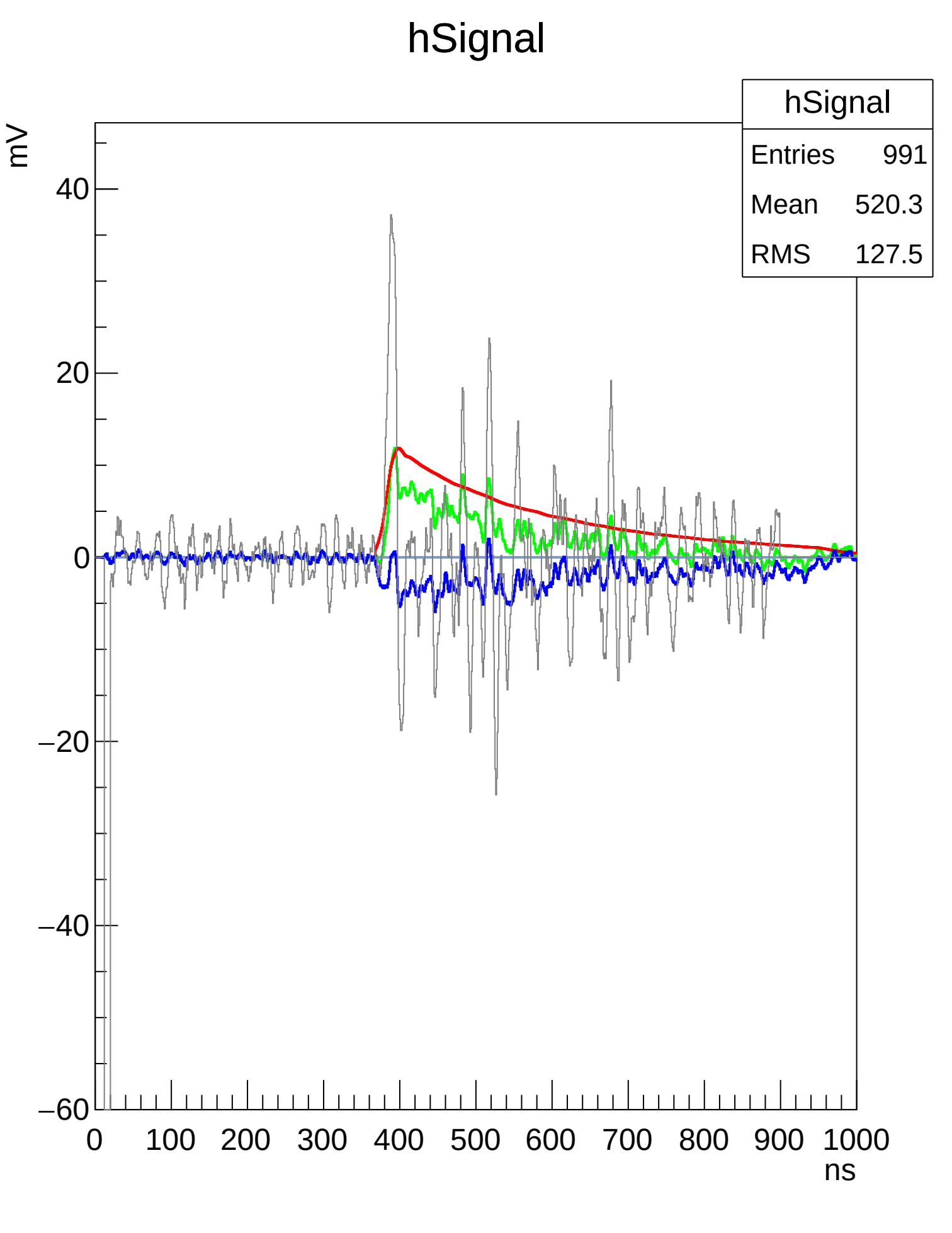

hSignal
hSignal
Entries 991
Mean 572
RMS 141.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

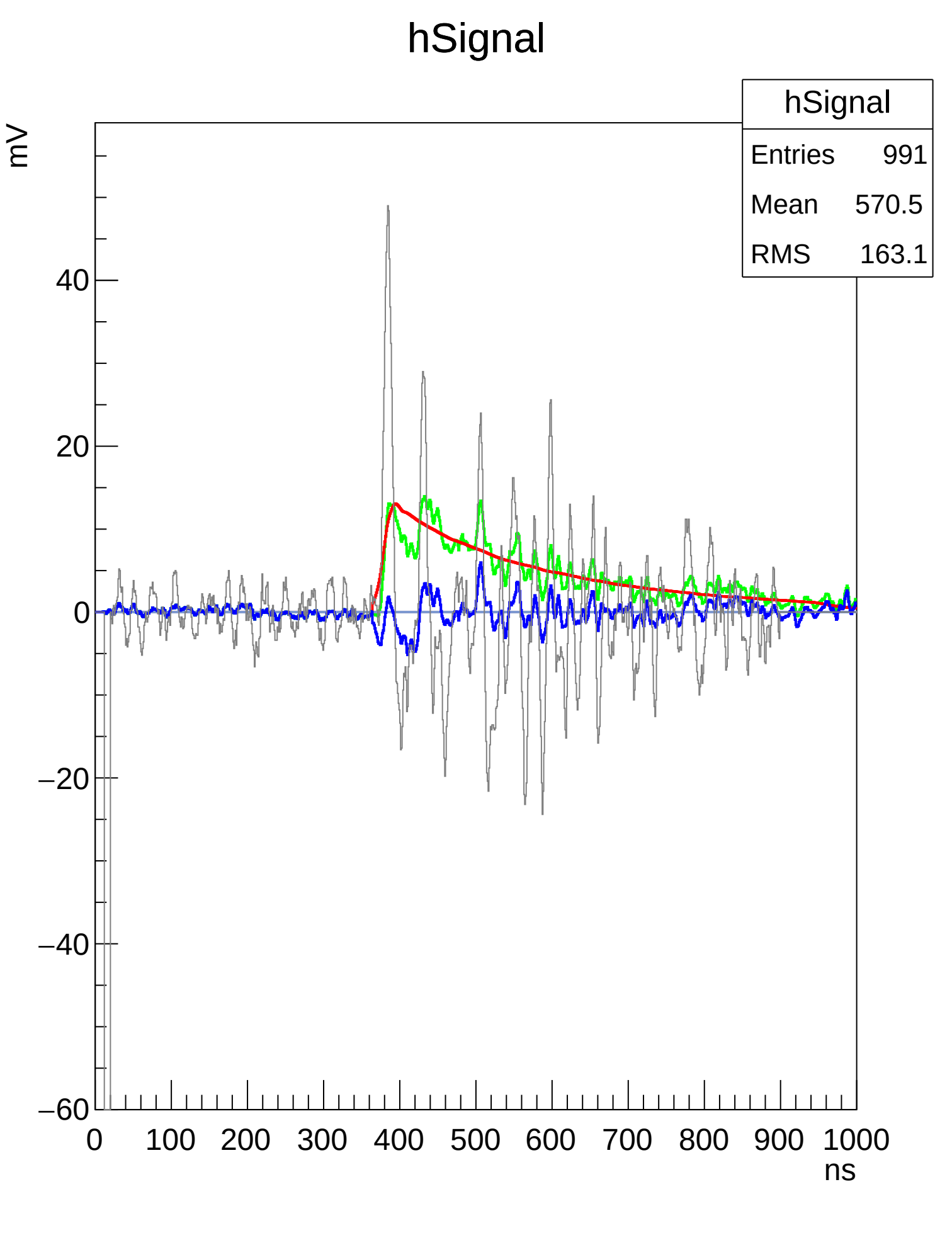

hSignal
hSignal
Entries 991
Mean 601.1
RMS 119.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 157.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572
RMS 157.1
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.9
RMS 138.3
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.3
RMS 127.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.5
RMS 163.1
mV
40
20
0
−20
−40
−60
0
100
200
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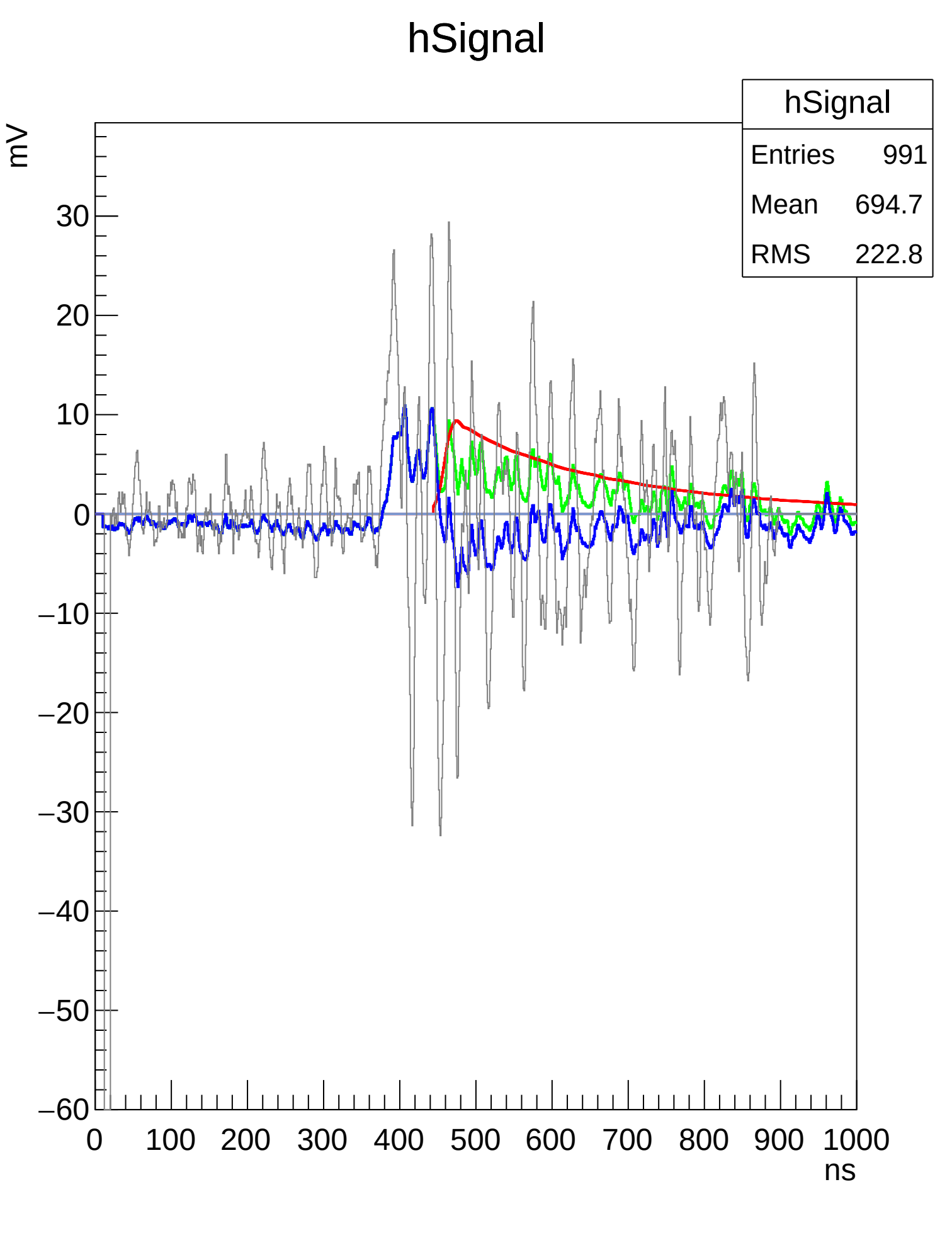
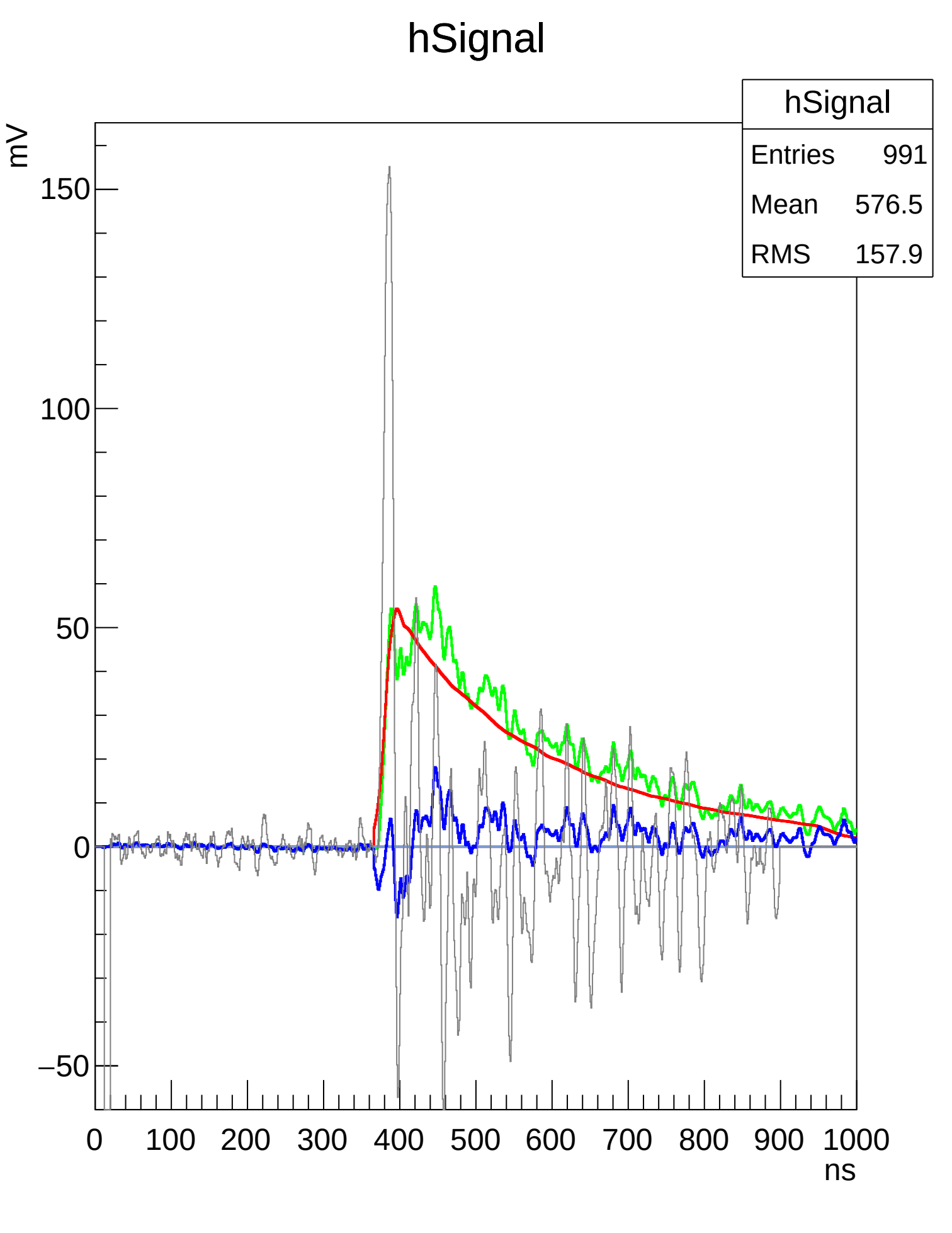
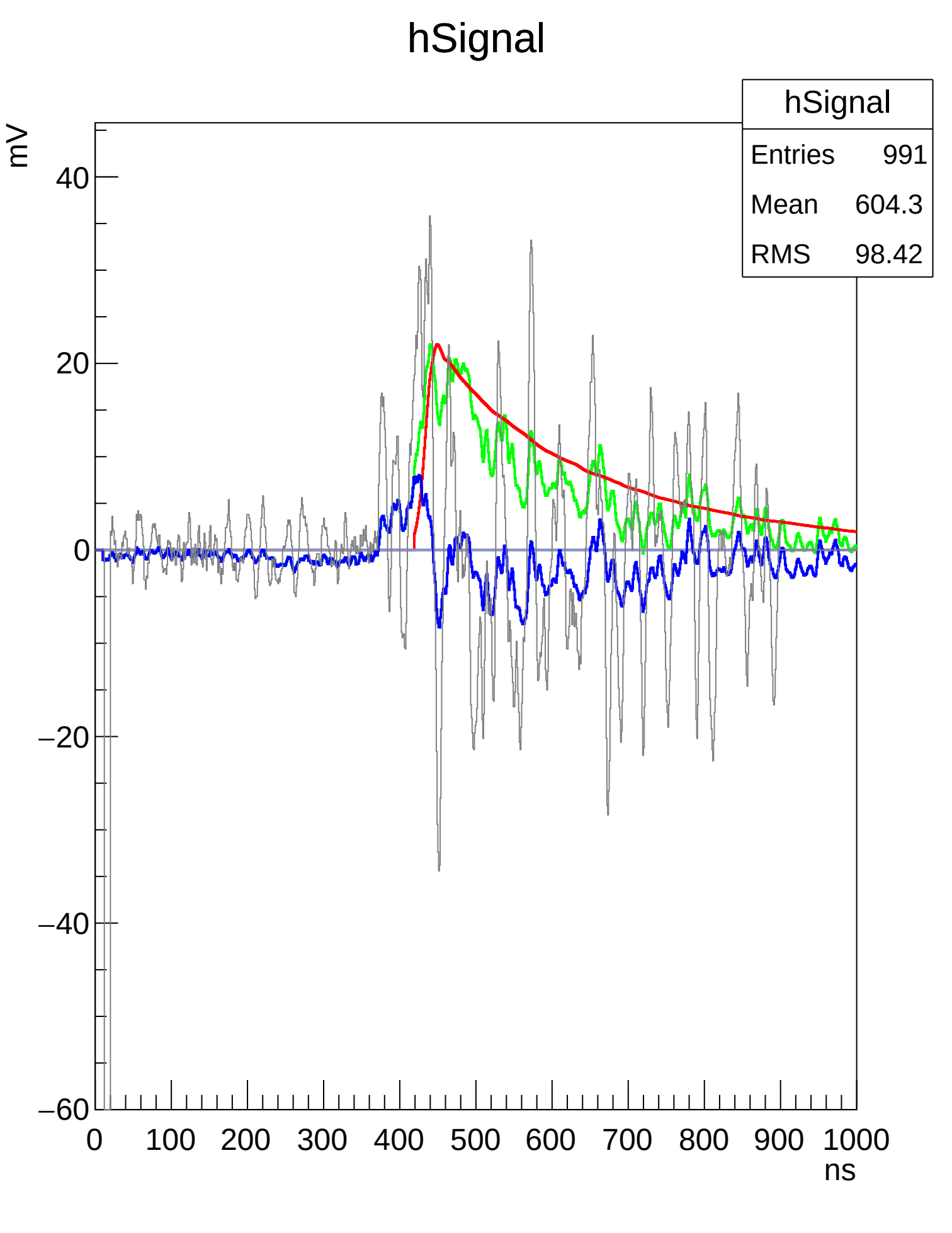
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 694.7
RMS 222.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.5
RMS 157.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.3
RMS 98.42
mV
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−20
−40
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0
100
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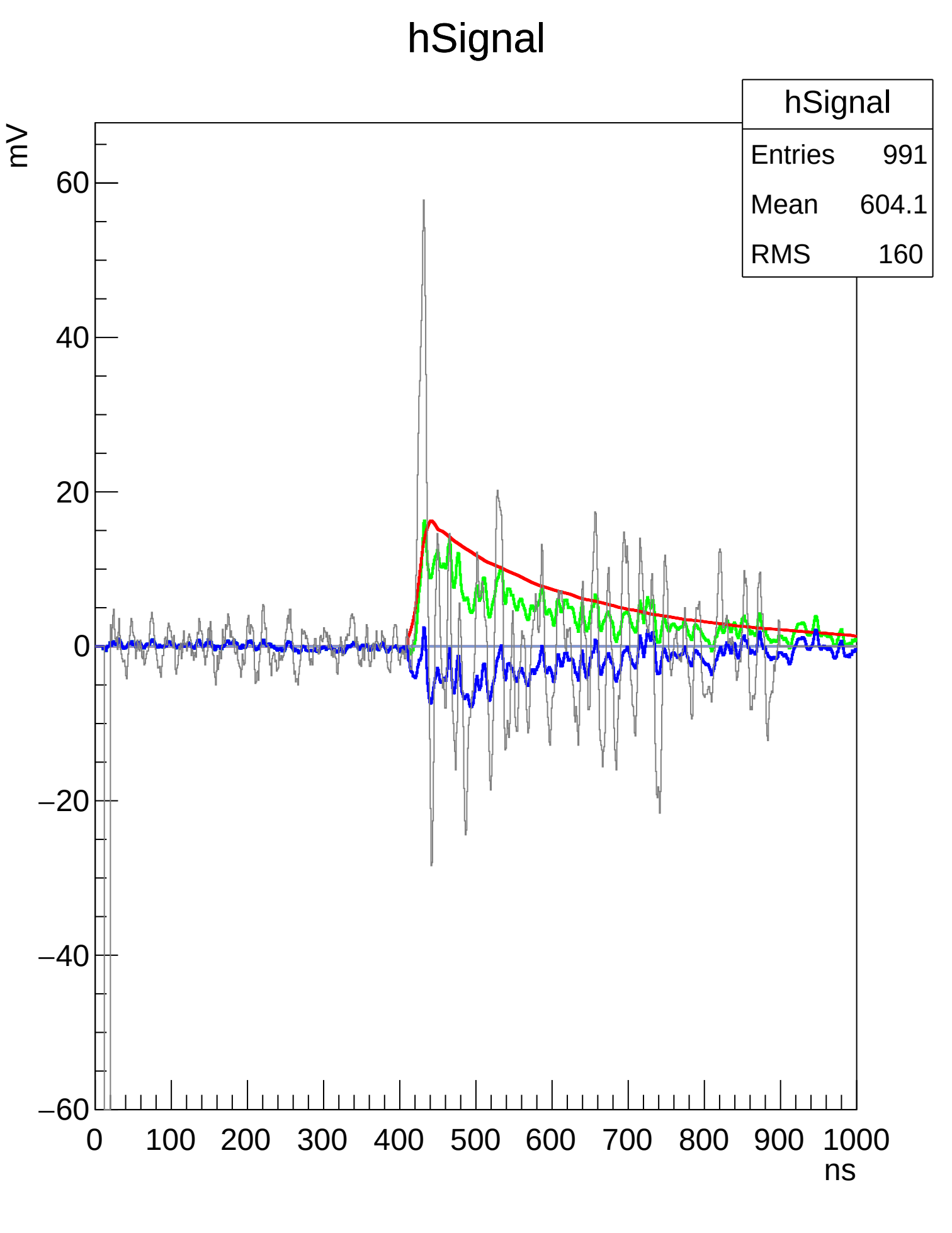
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.1
RMS 160
mV
60
40
20
0
−20
−40
−60
0
100
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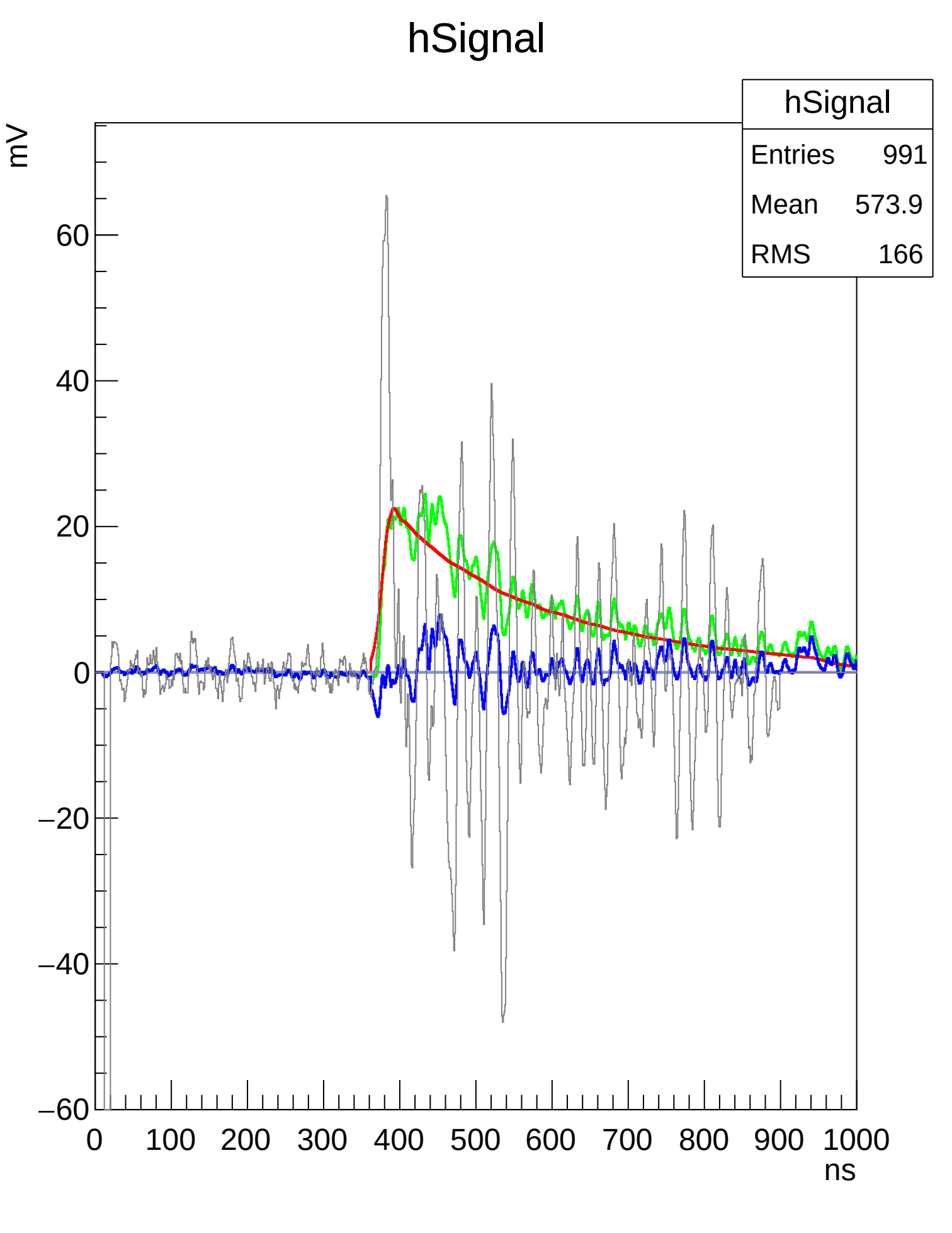
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.9
RMS 166
mV
60
40
20
0
−20
−40
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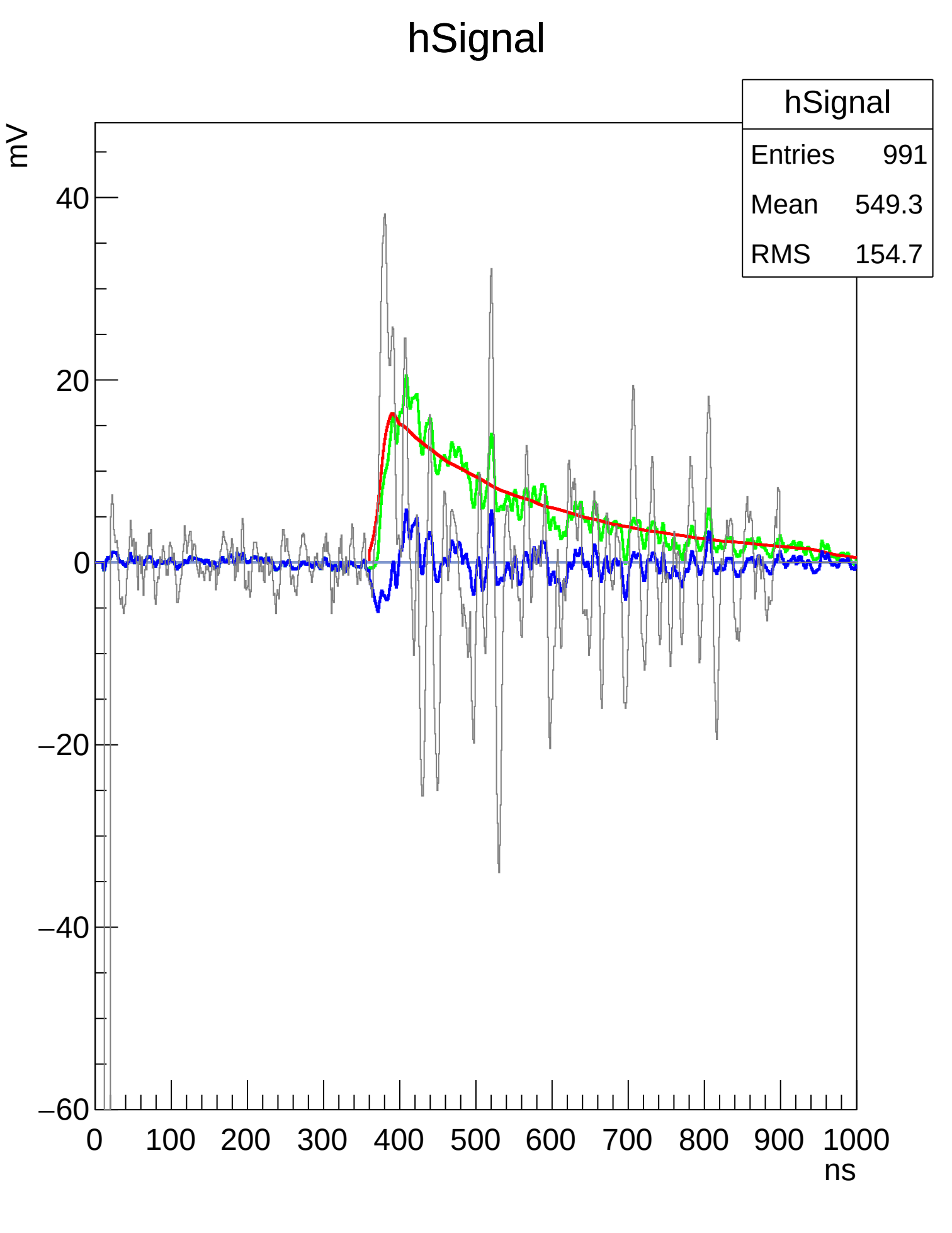
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.3
RMS 154.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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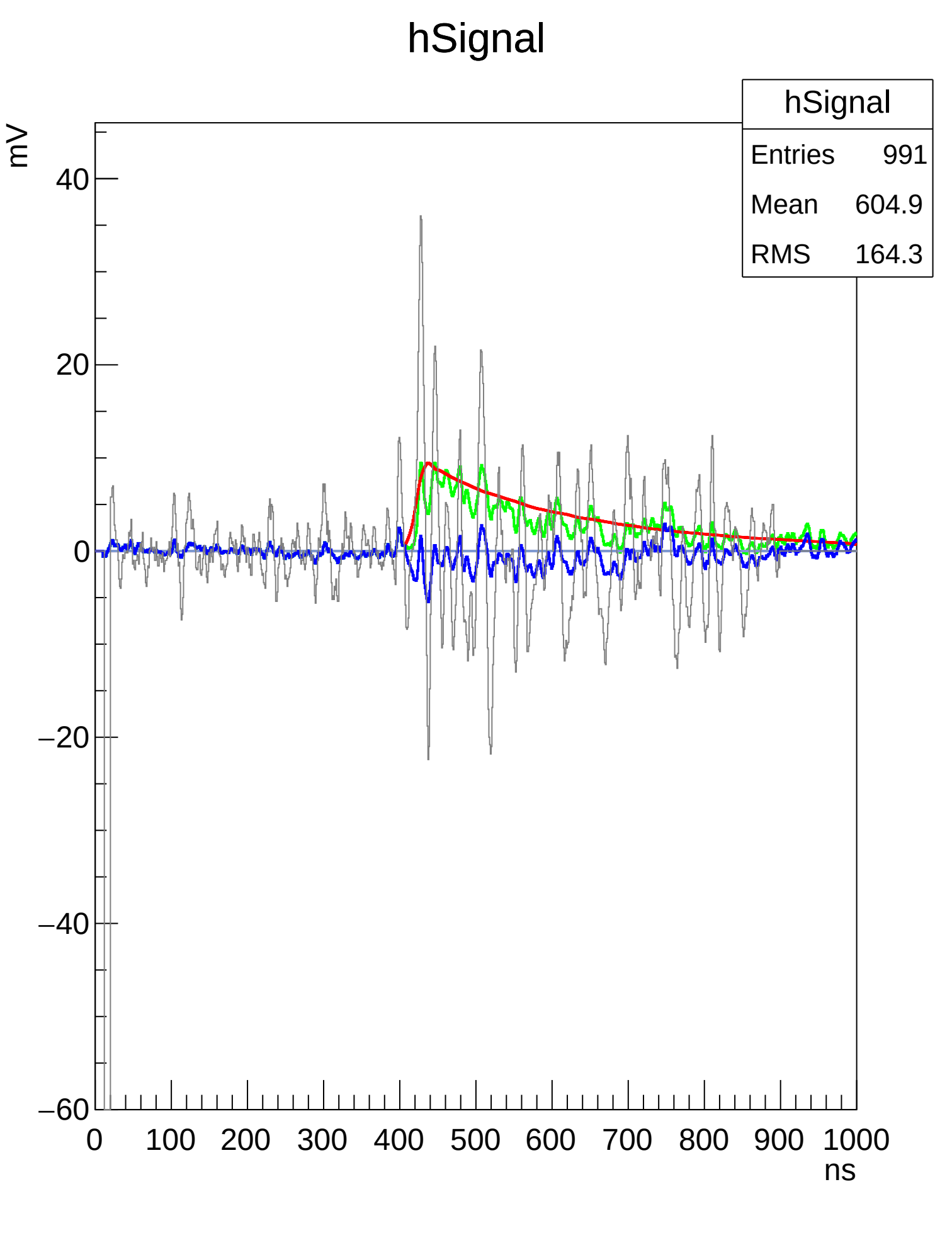
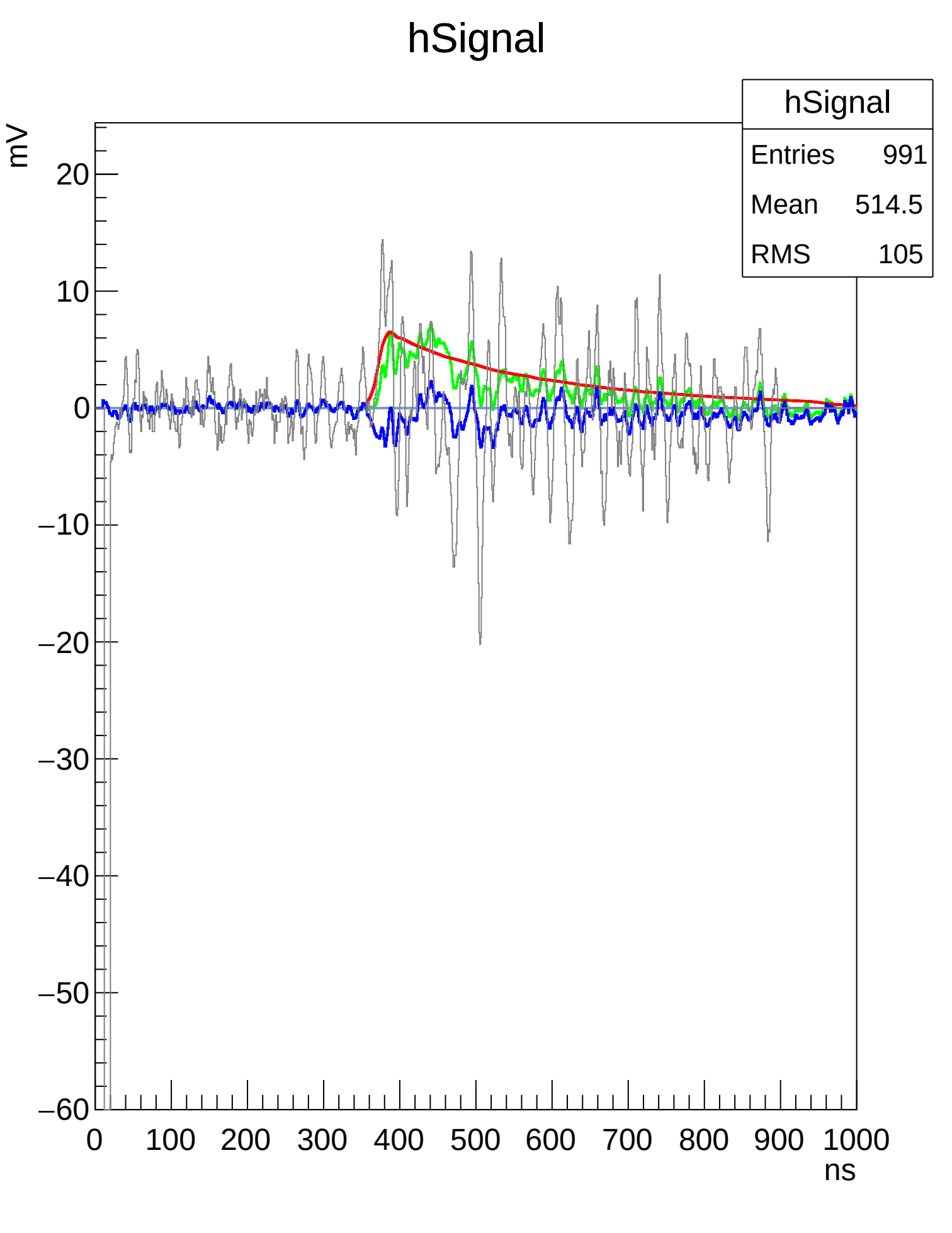
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.9
RMS 164.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.5
RMS 105
mV
20
10
0
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−20
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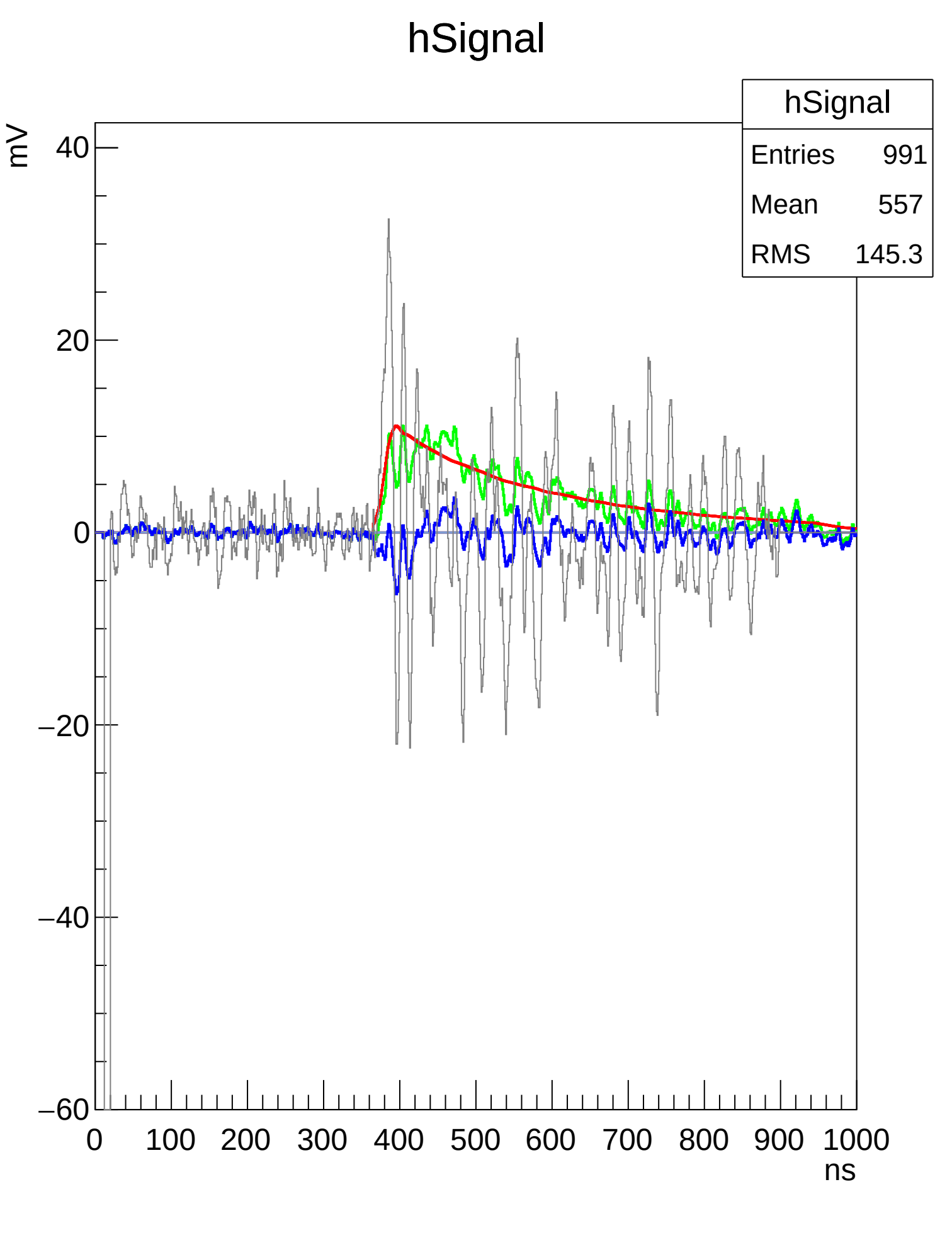
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557
RMS 145.3
mV
40
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0
−20
−40
−60
0
100
200
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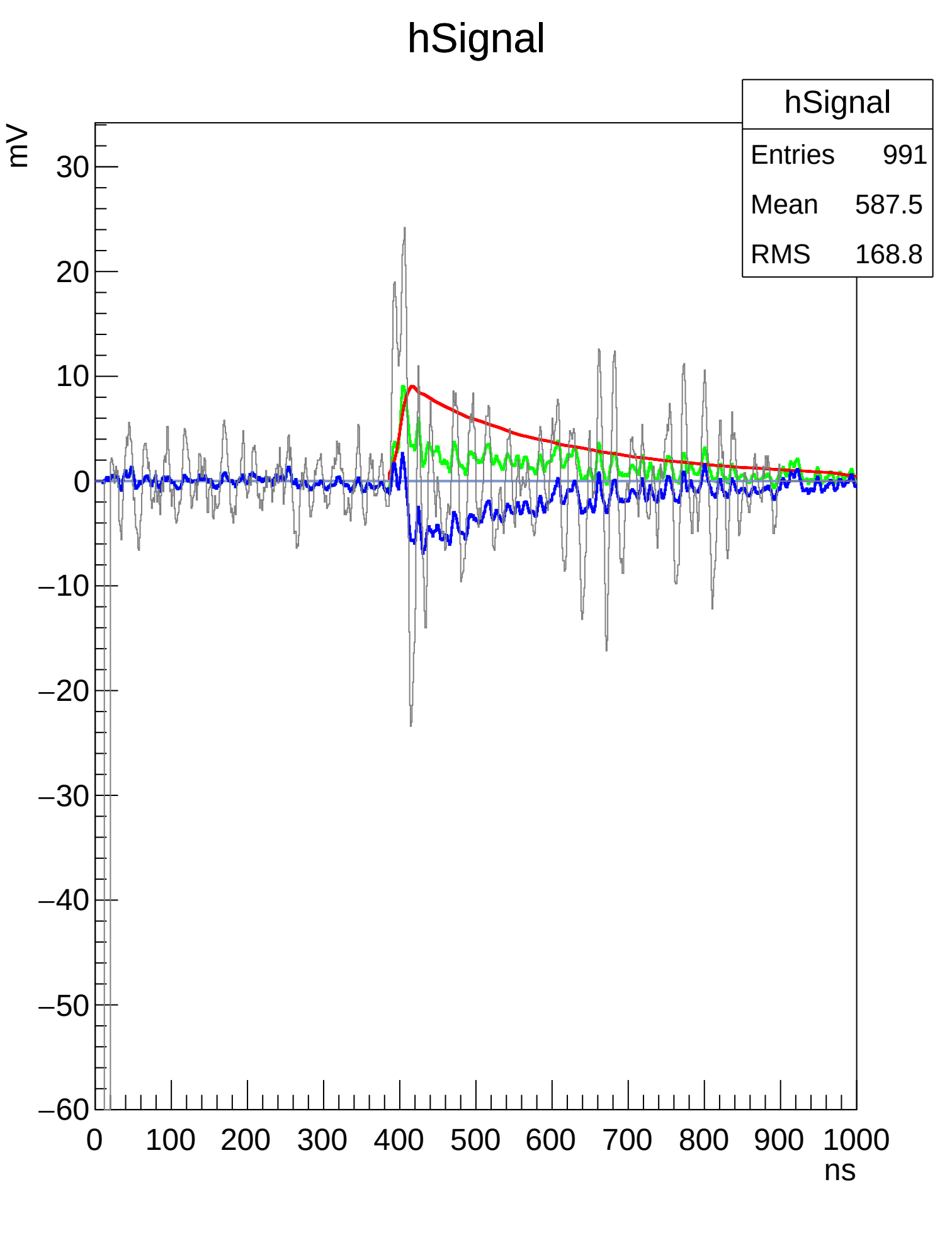
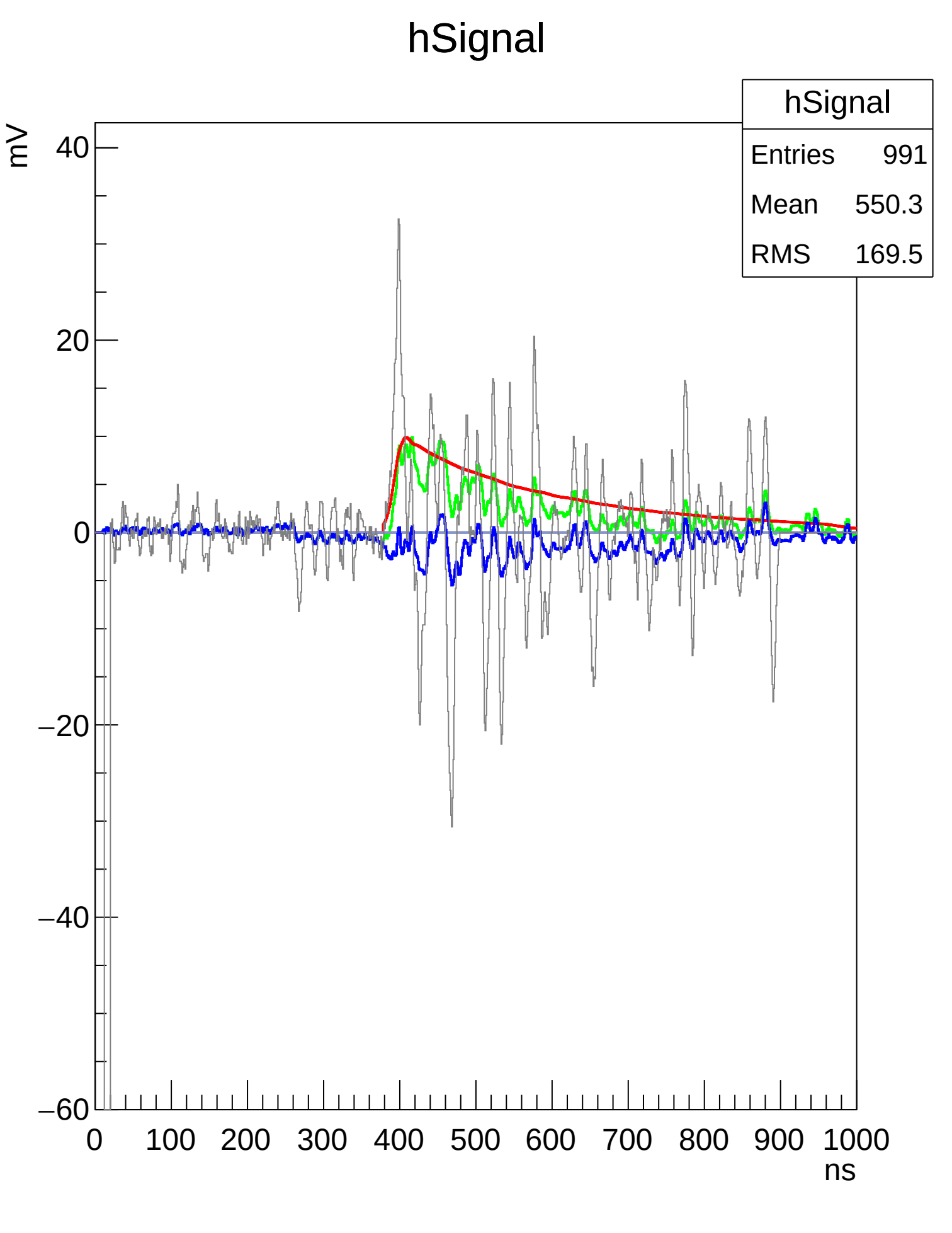
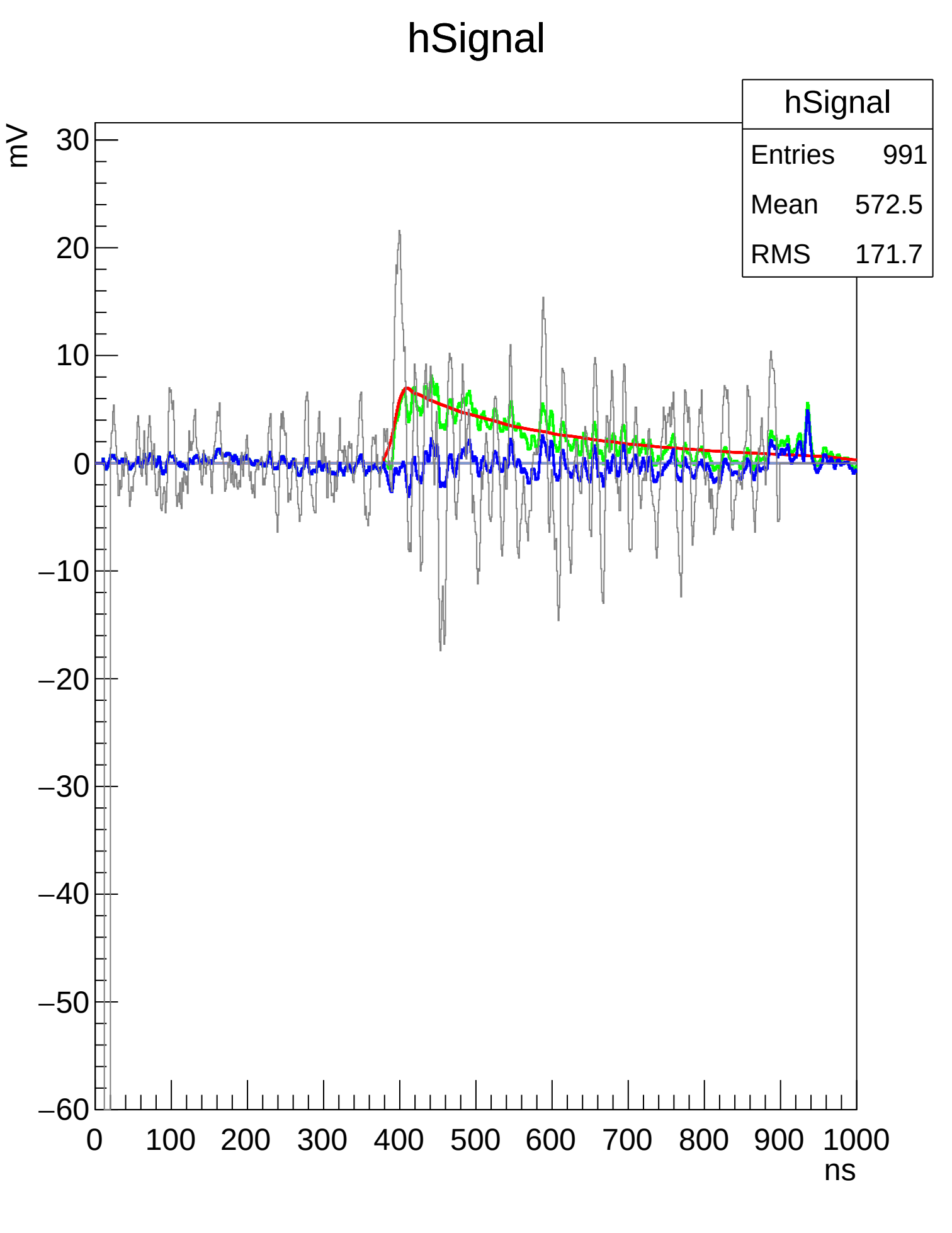
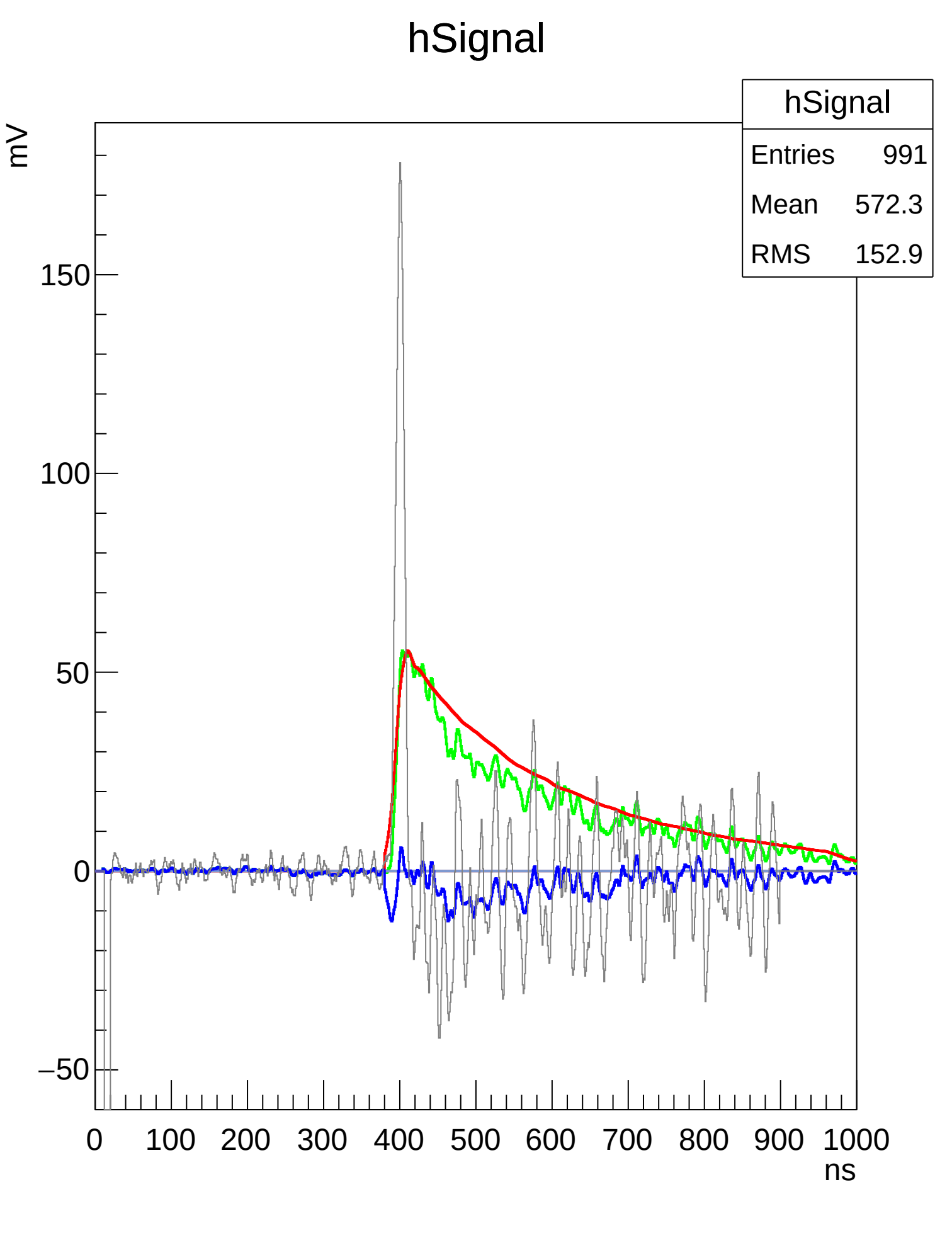
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 168.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.3
RMS 169.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.5
RMS 171.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.3
RMS 152.9
mV
150
100
50
0
−50
0
100
200
300
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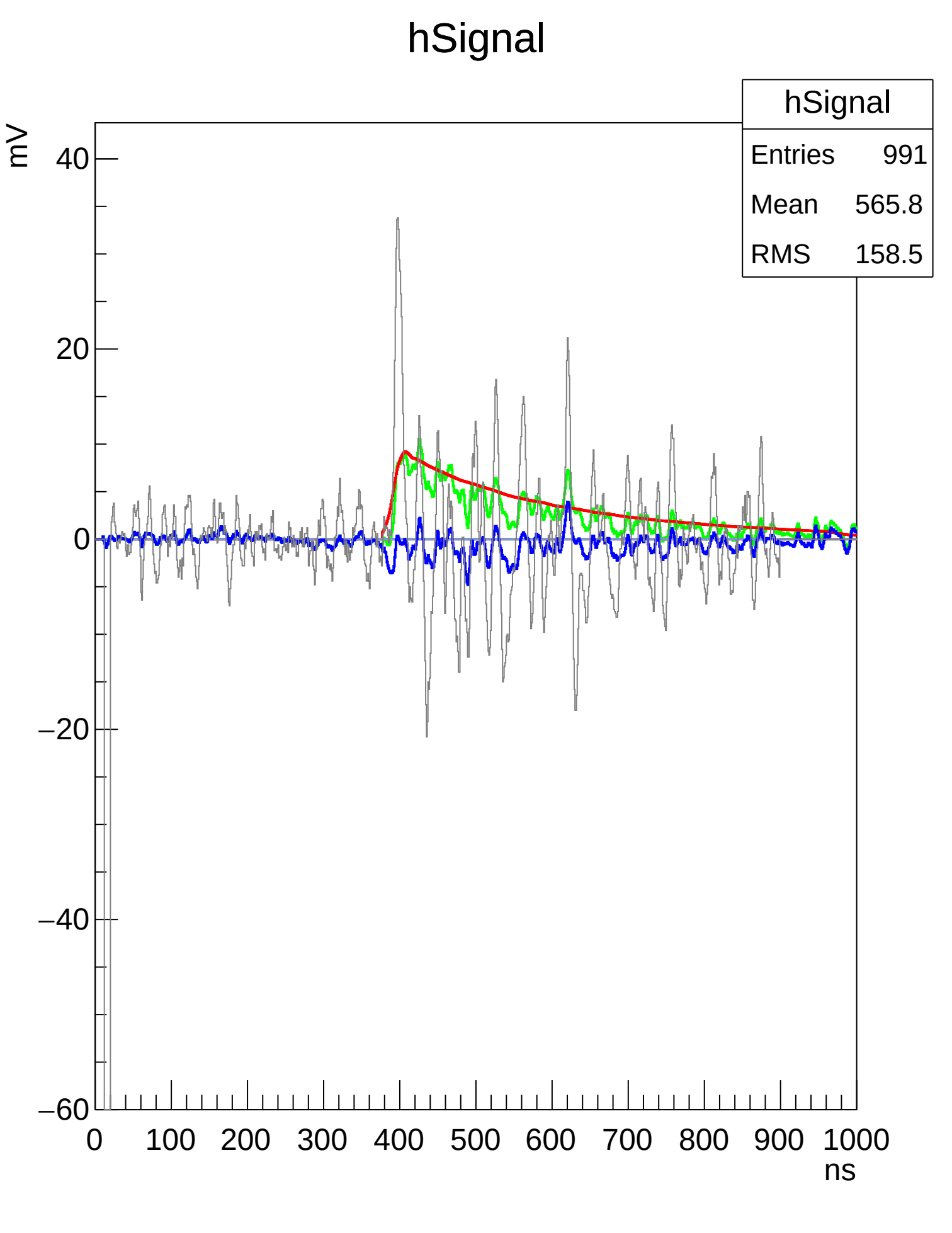
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.8
RMS 158.5
mV
40
20
0
−20
−40
−60
0
100
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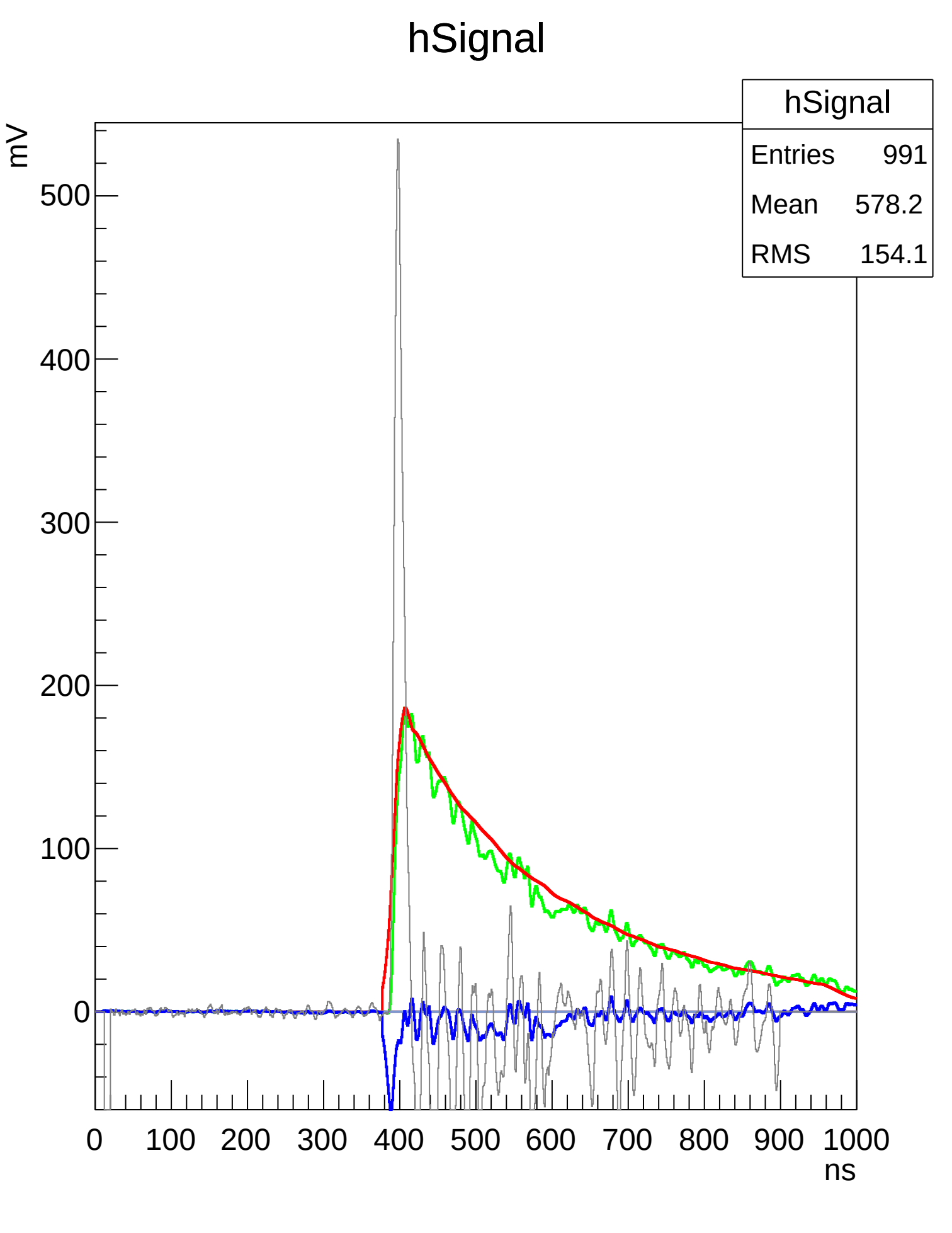
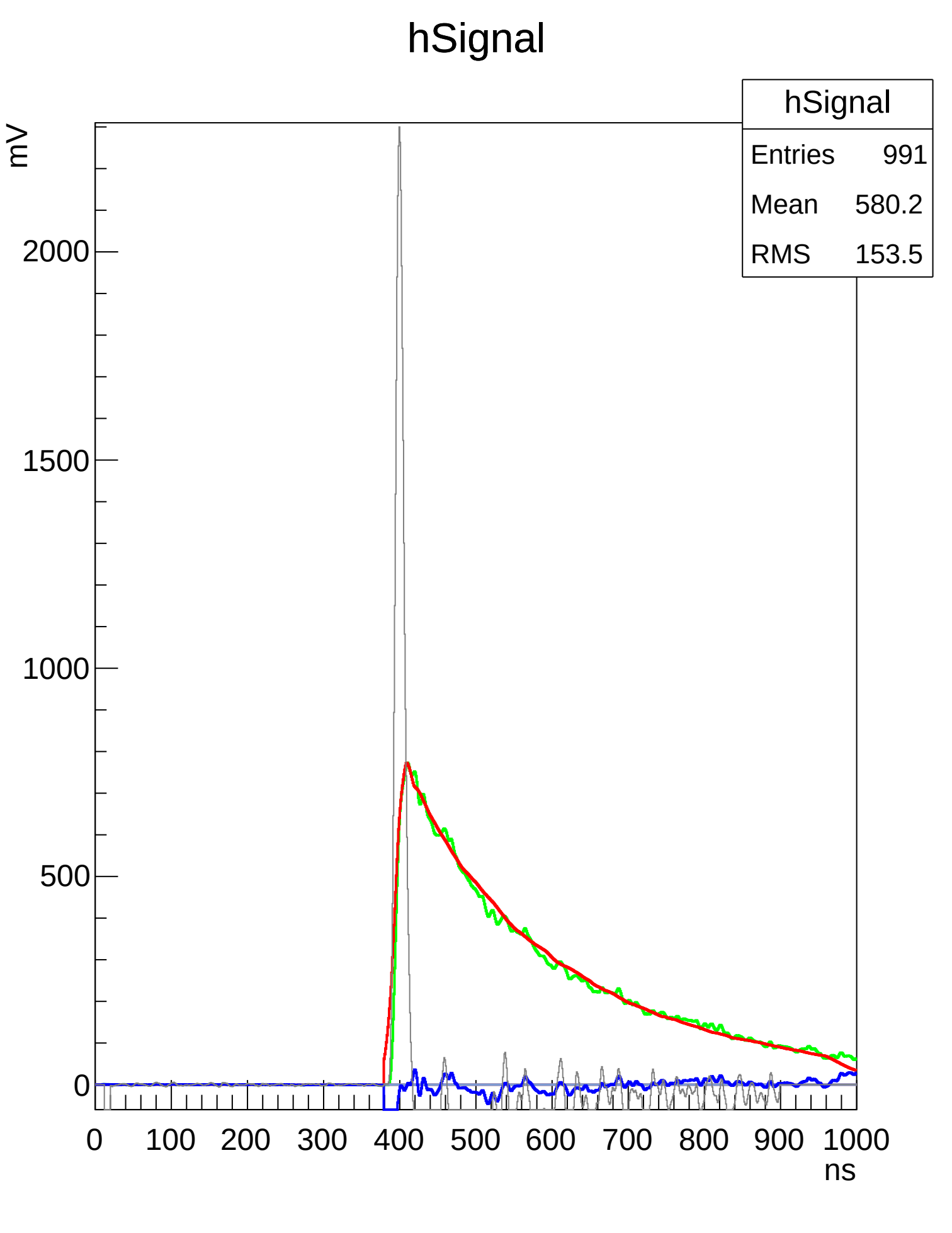
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.2
RMS 154.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.2
RMS 153.5
mV
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1500
1000
500
0
0
100
200
300
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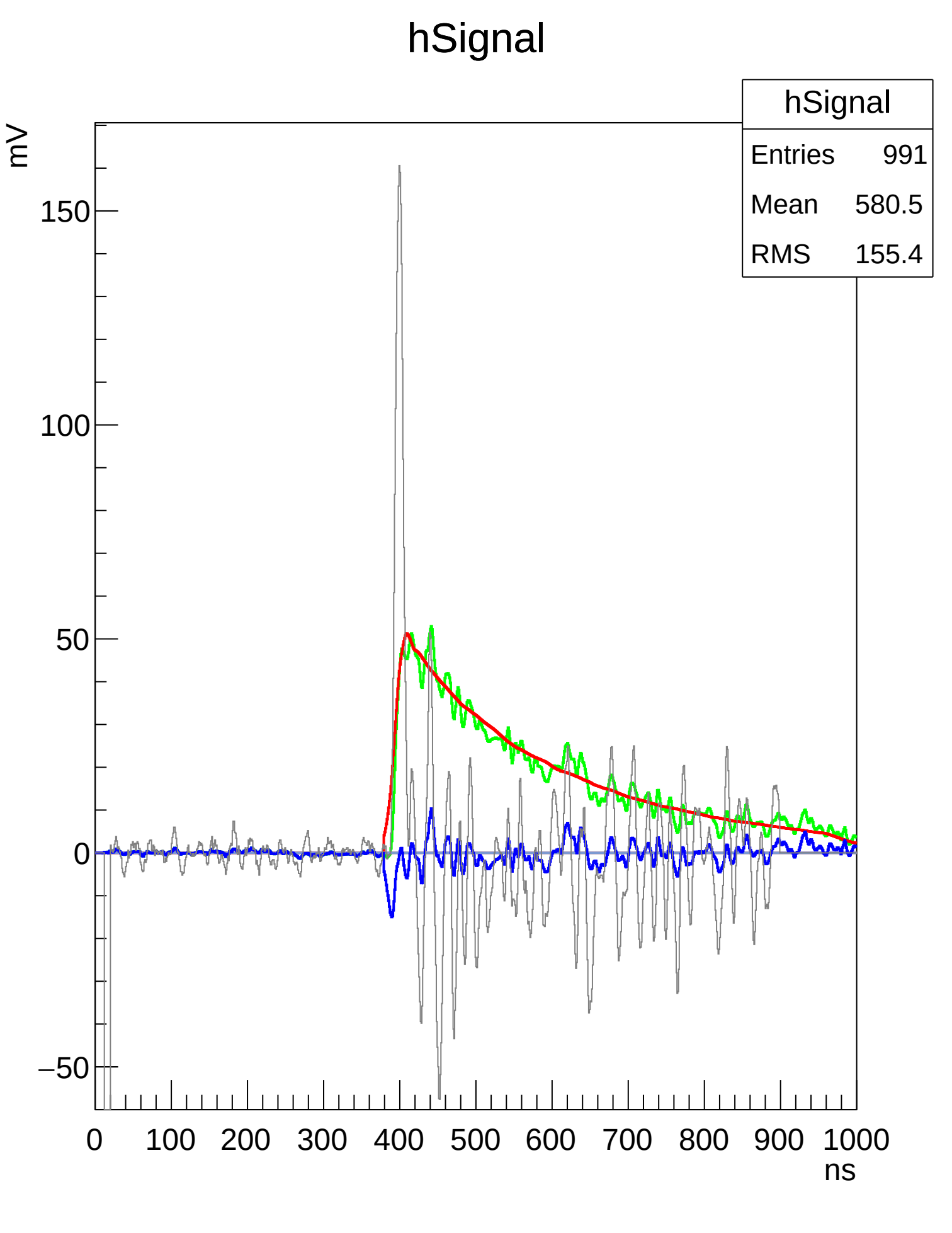
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.5
RMS 155.4
mV
150
100
50
0
−50
0
100
200
300
400
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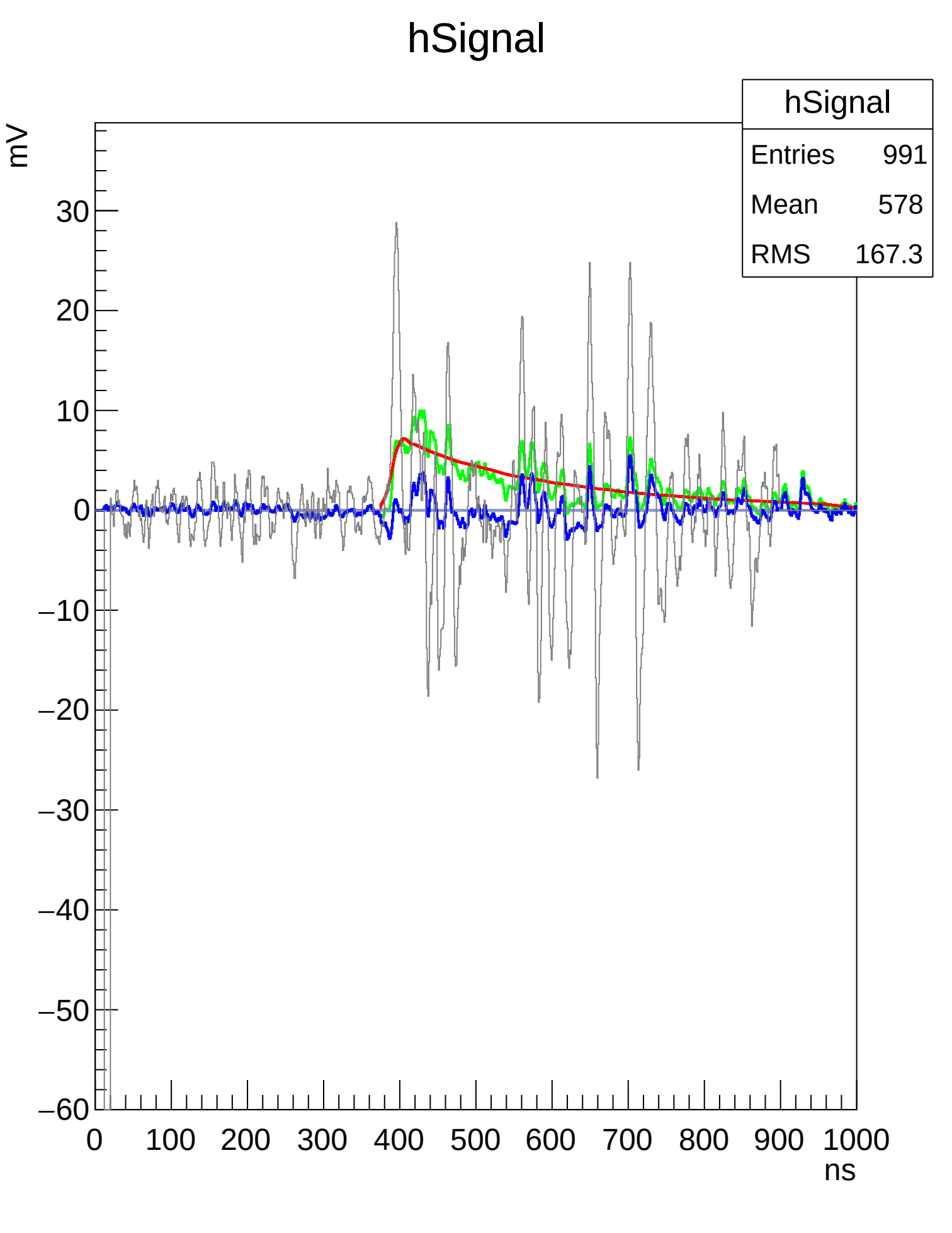
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578
RMS 167.3
mV
30
20
10
0
−10
−20
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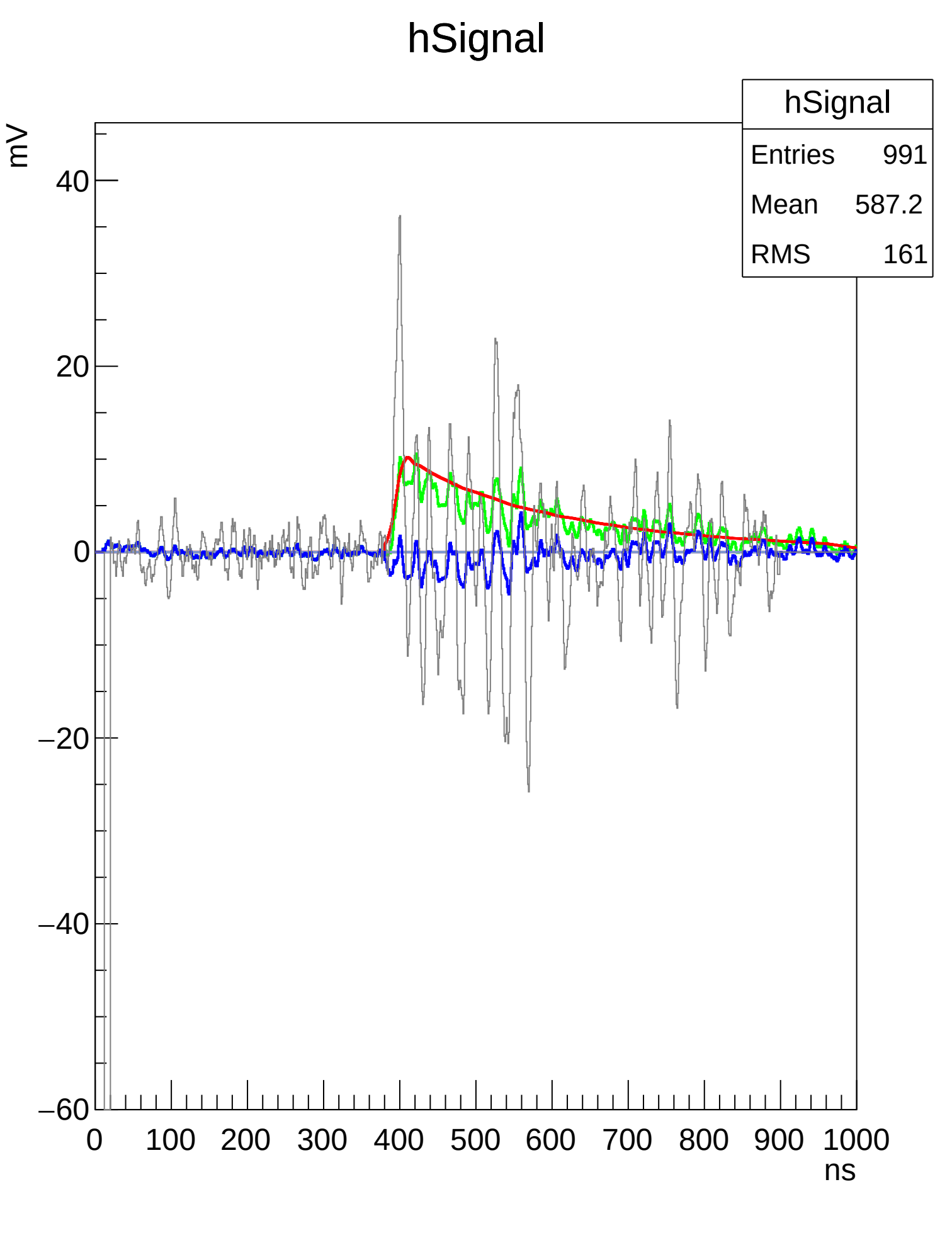
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.2
RMS 161
mV
40
20
0
−20
−40
−60
0
100
200
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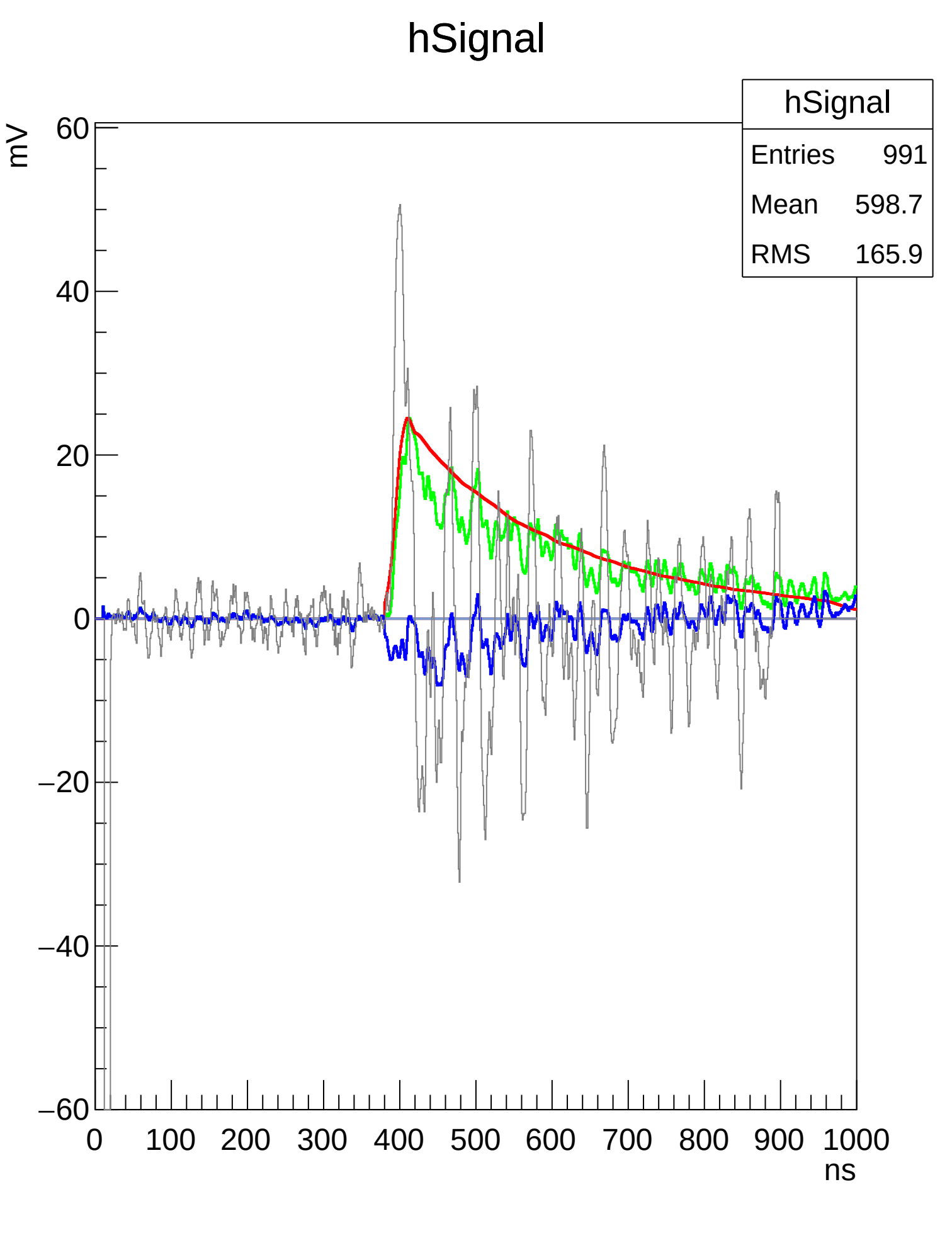
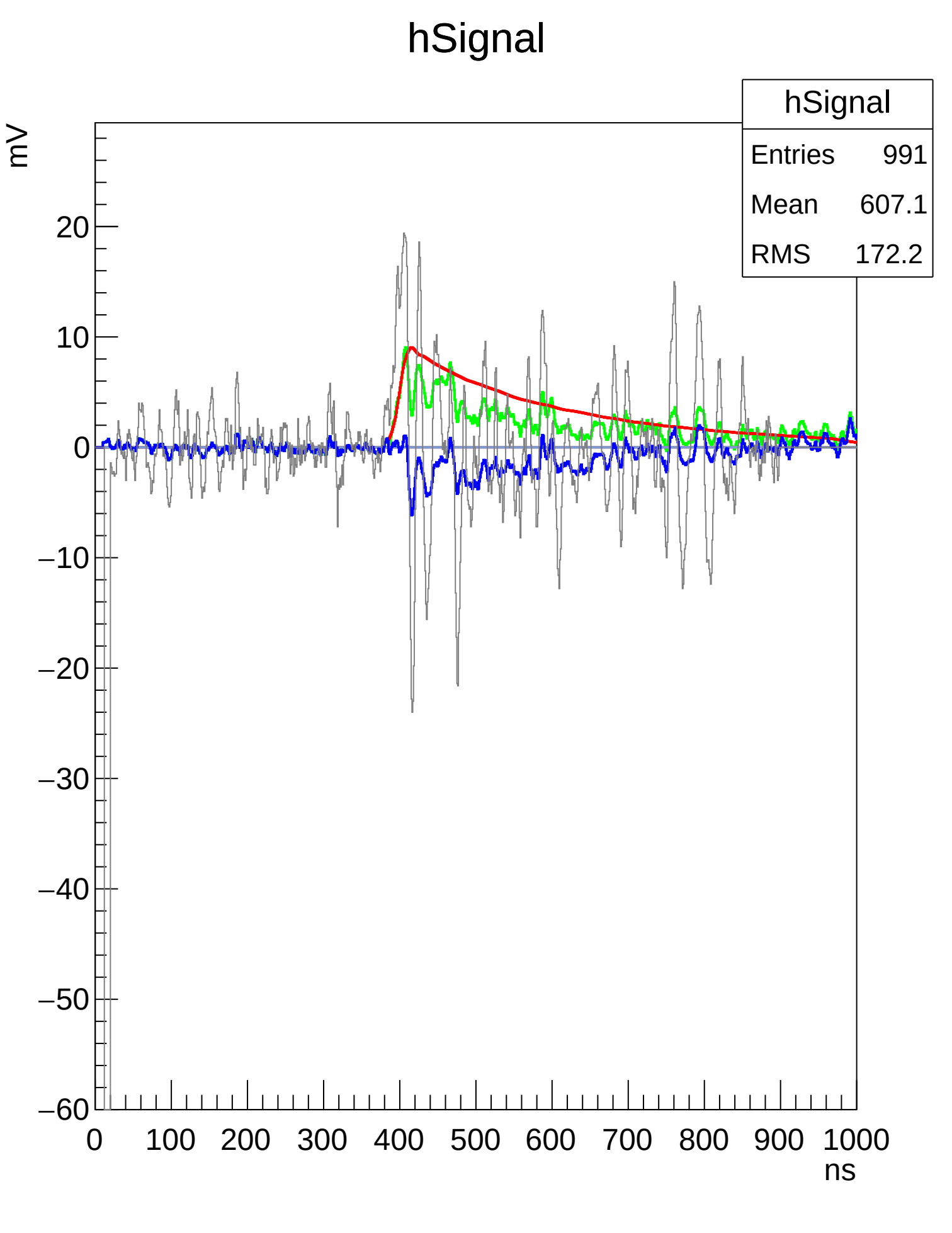
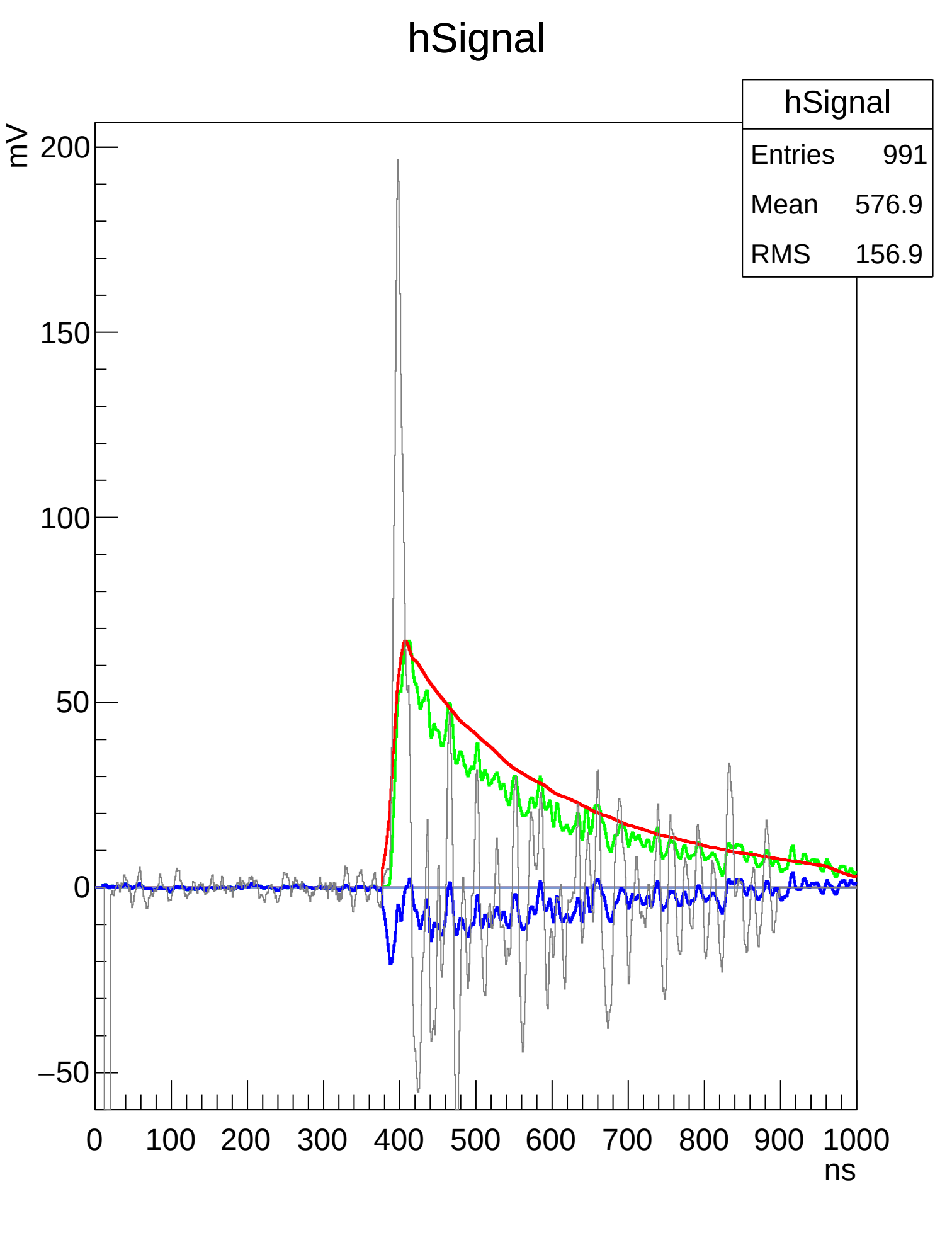
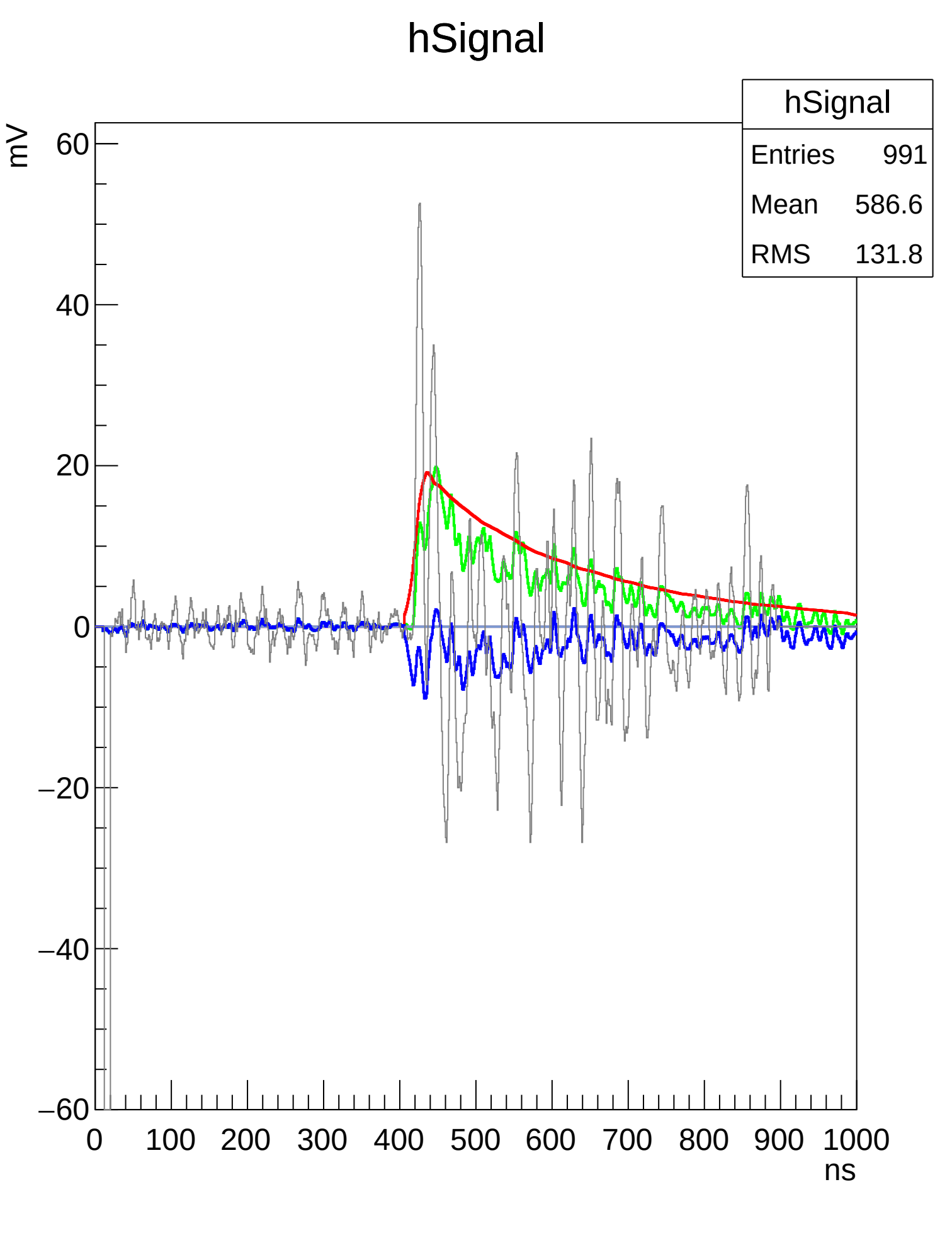
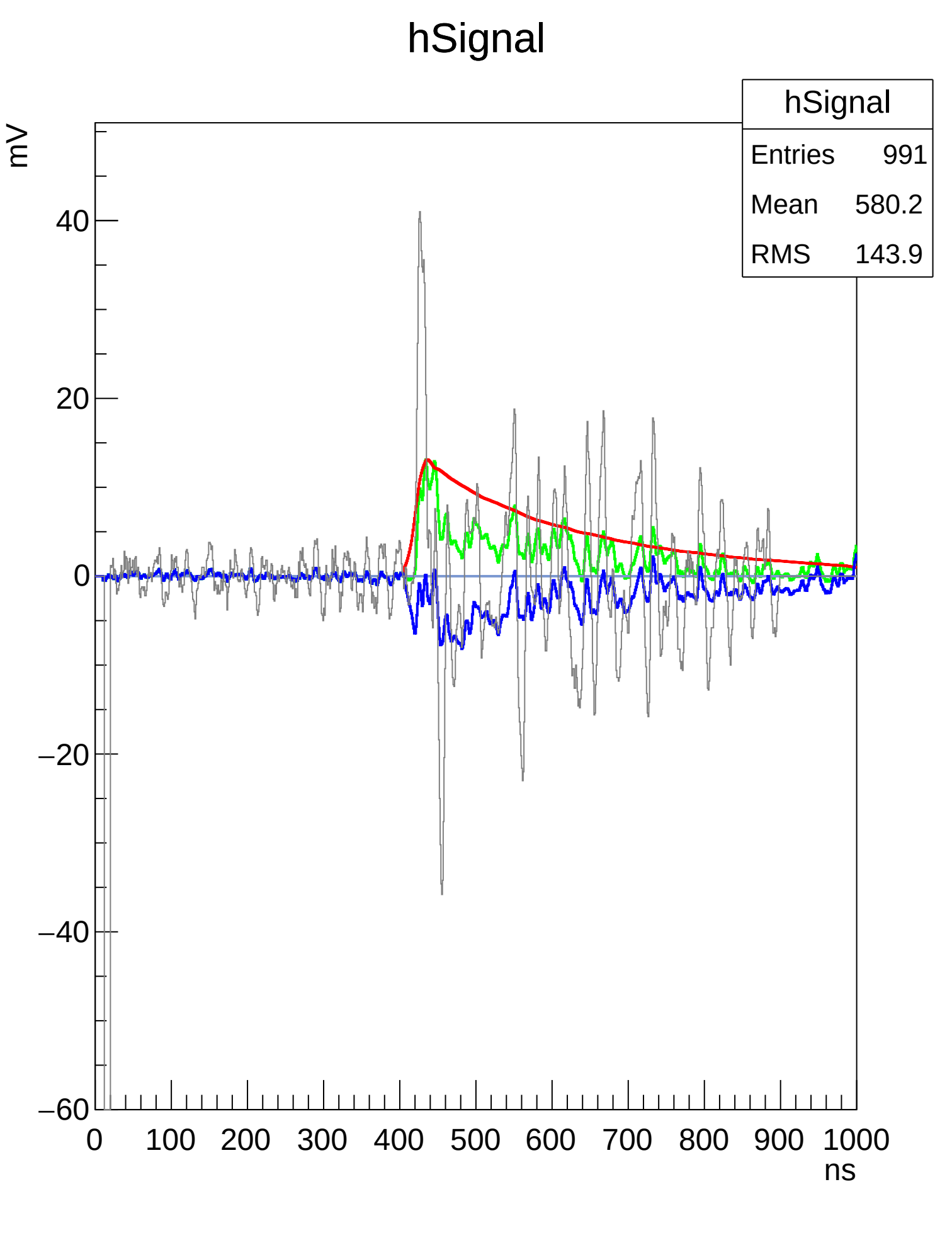
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.7
RMS 165.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.1
RMS 172.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.9
RMS 156.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.6
RMS 131.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.2
RMS 143.9
mV
40
20
0
−20
−40
−60
0
100
200
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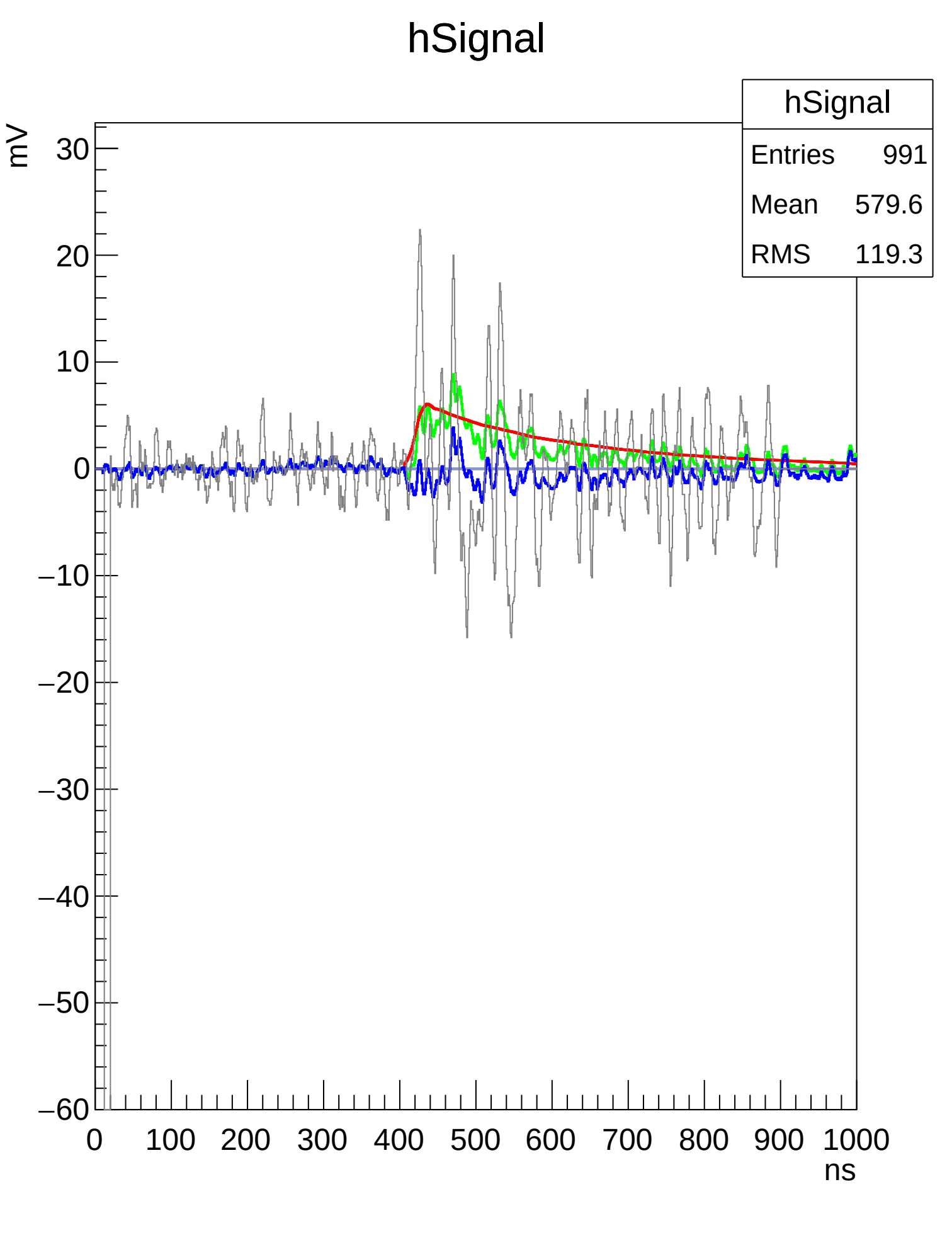
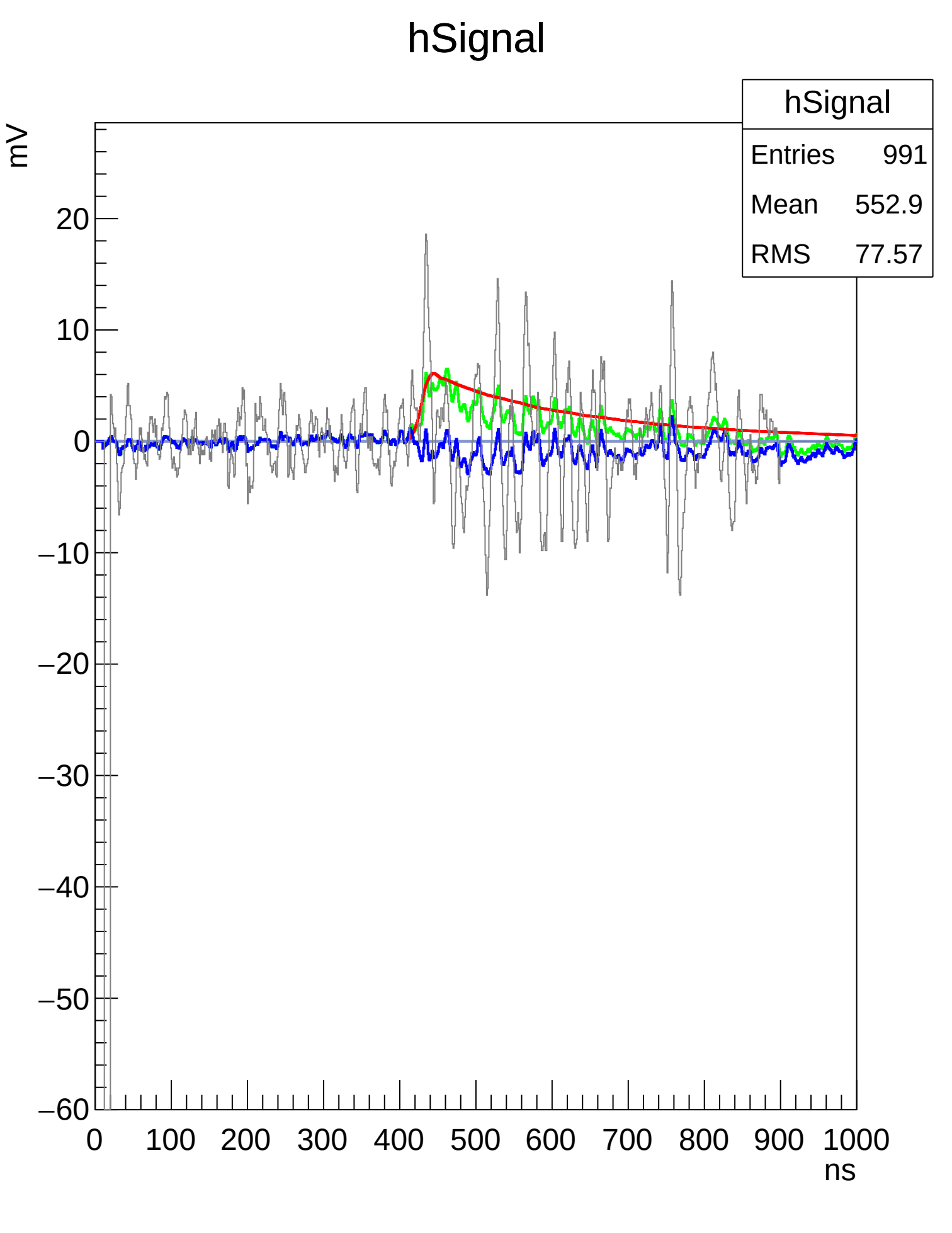
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 119.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.9
RMS 77.57
mV
20
10
0
−10
−20
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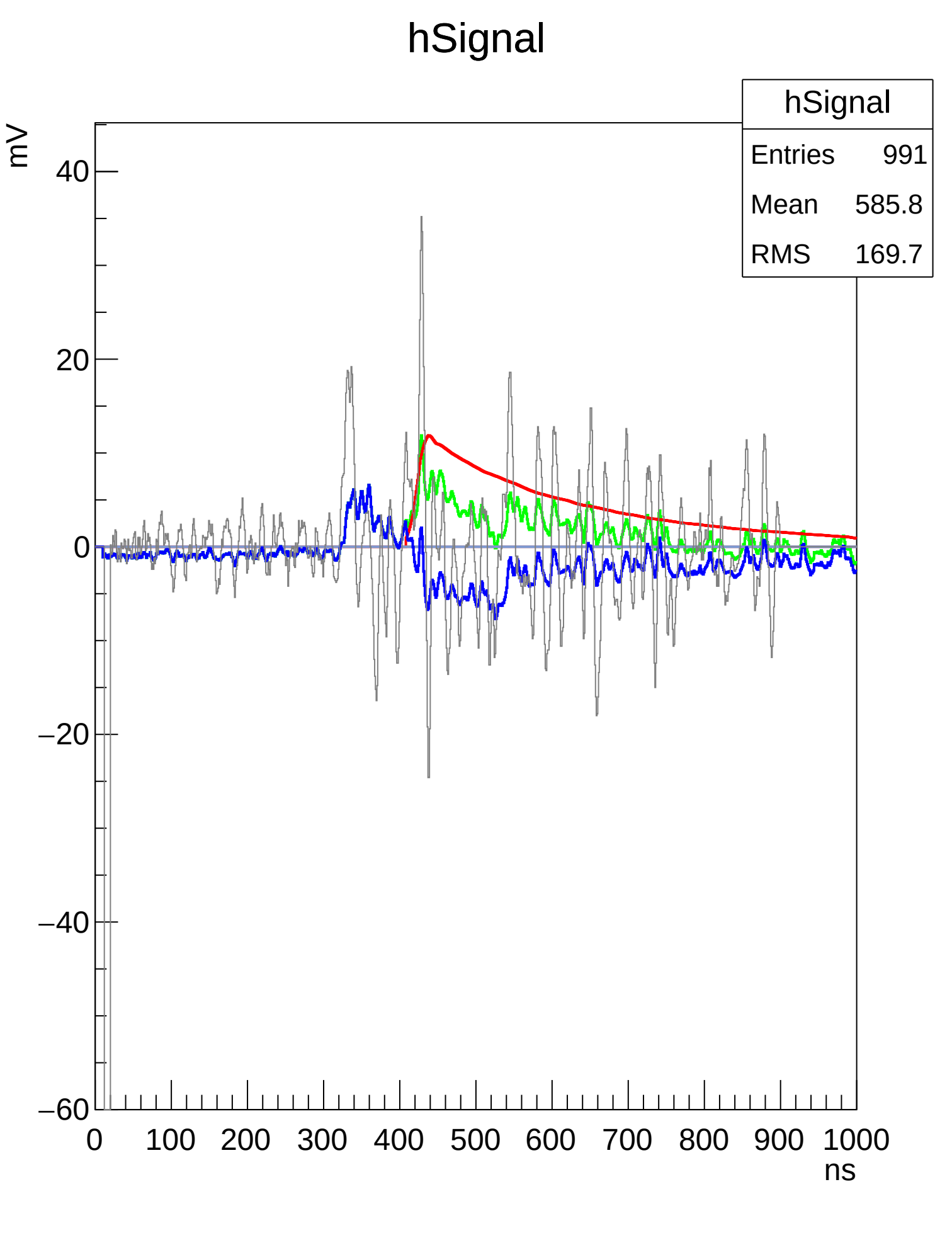
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.8
RMS 169.7
mV
40
20
0
−20
−40
−60
0
100
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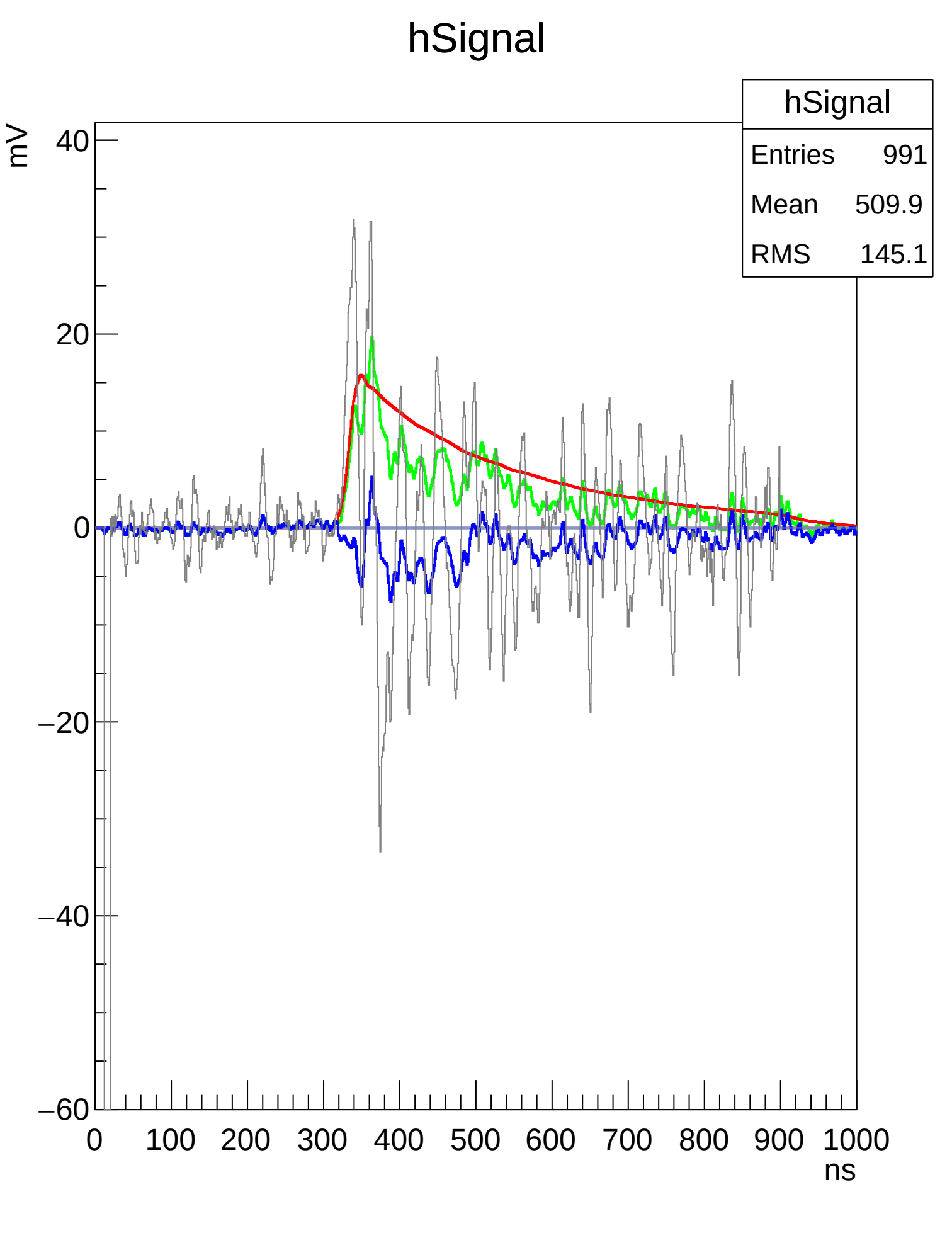
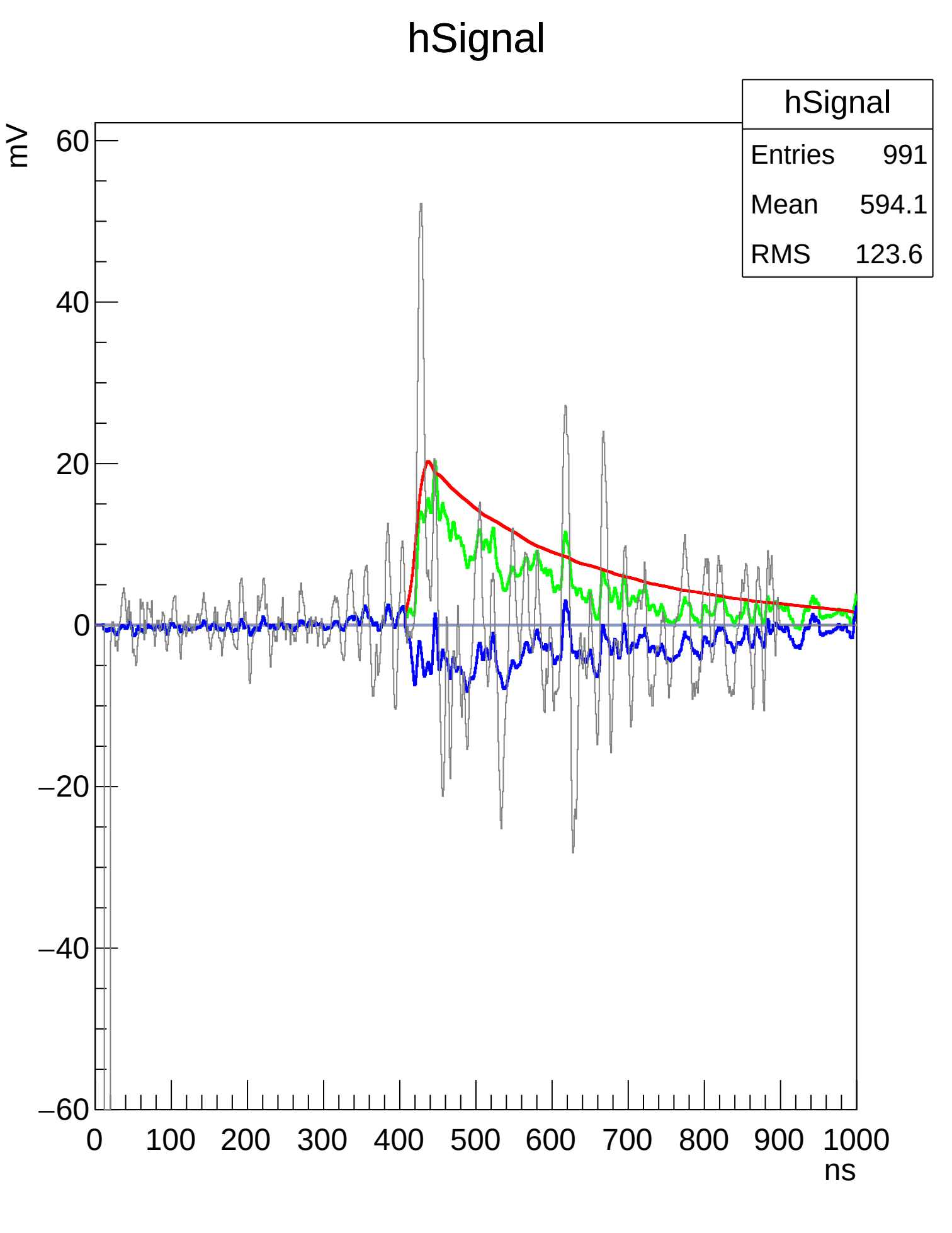
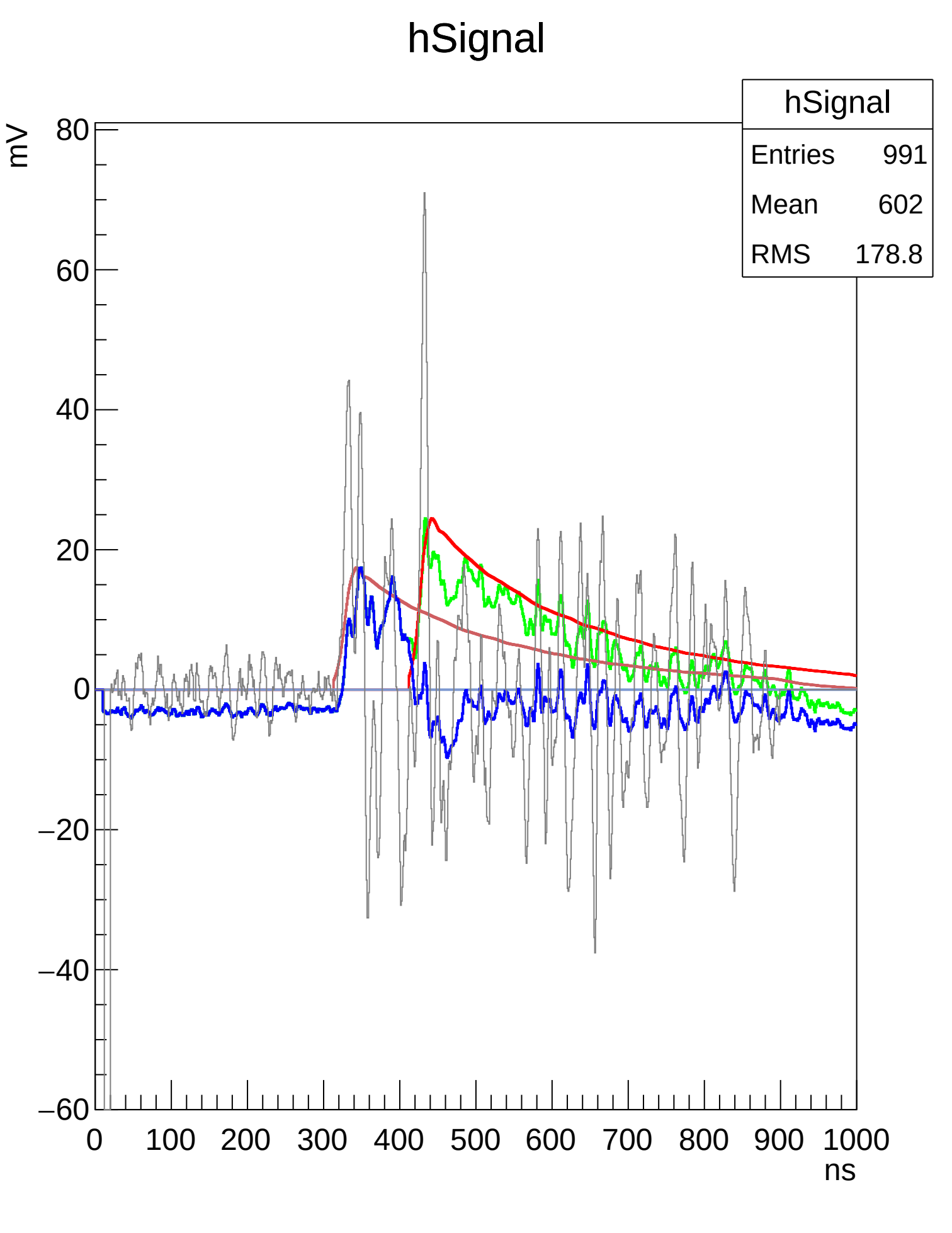
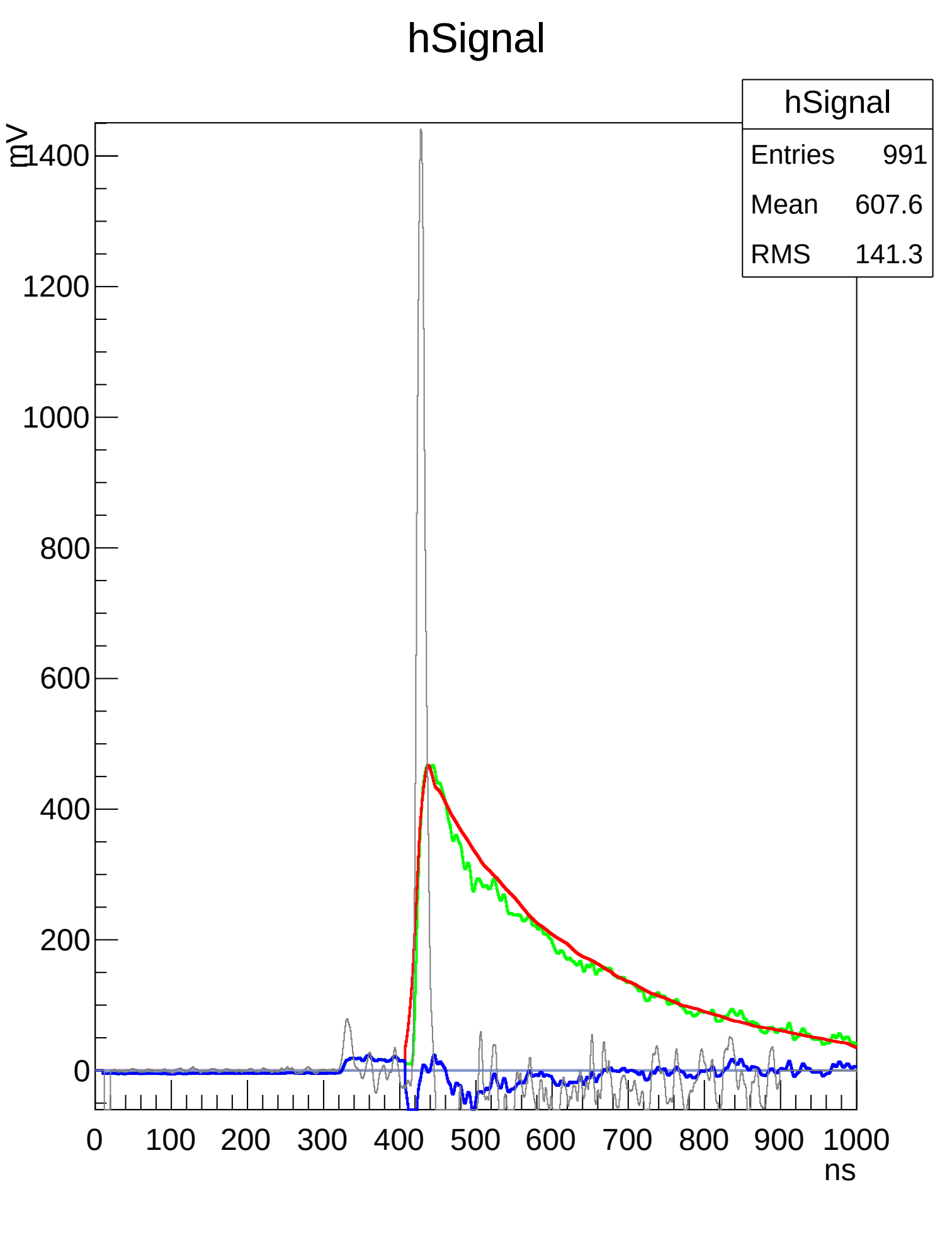
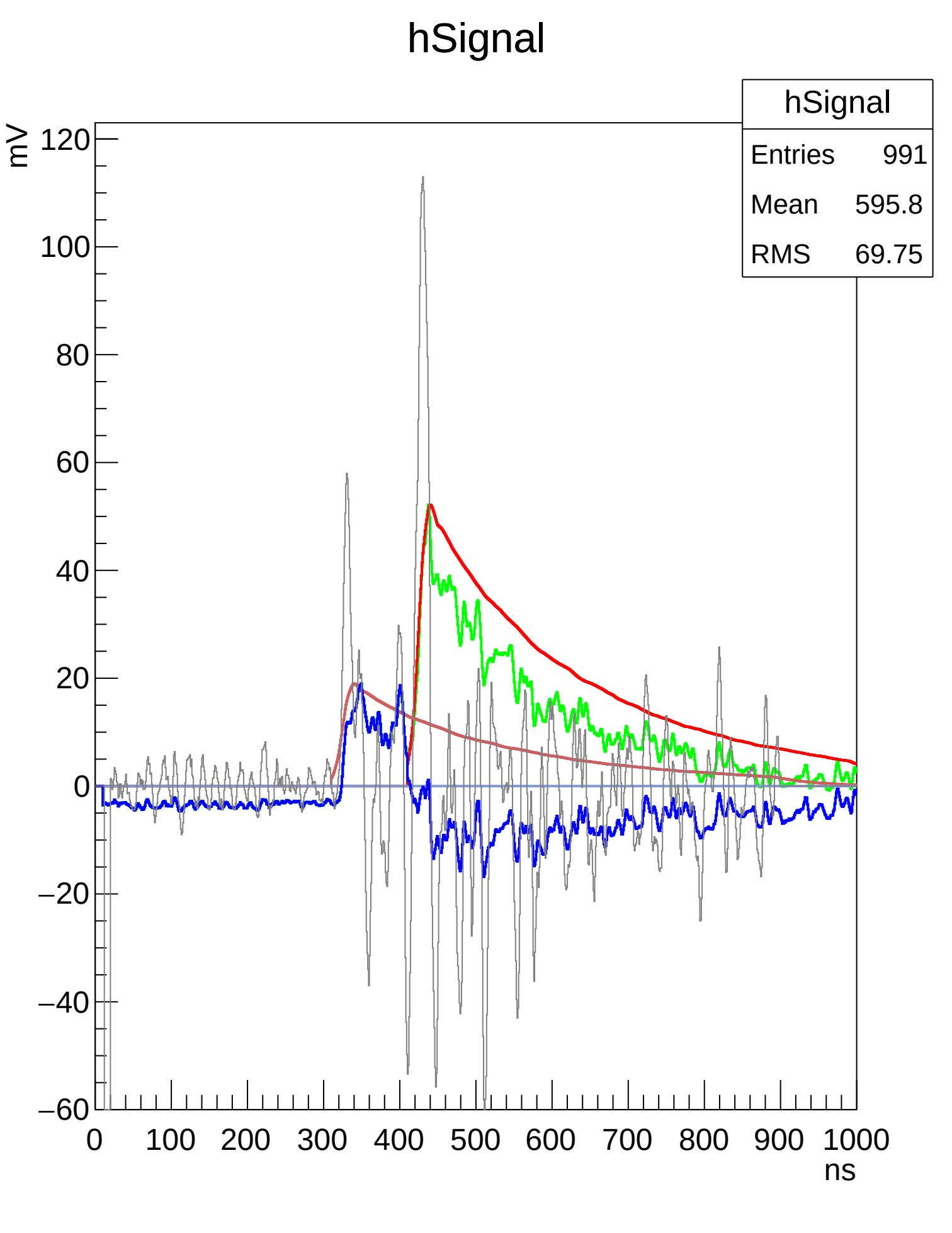
600
700
800
900
1000
ns

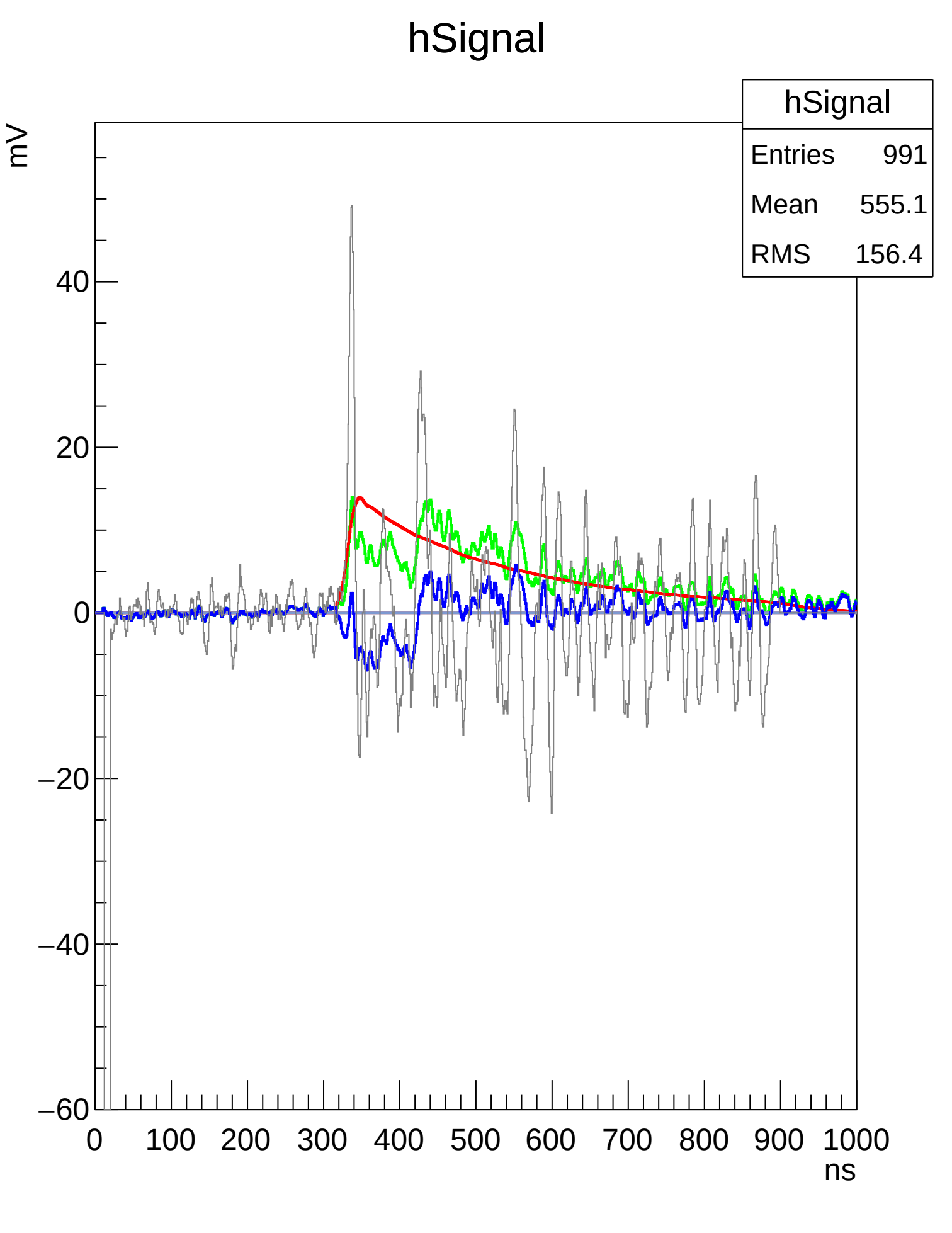

hSignal
hSignal
Entries 991
Mean 509.9
RMS 145.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

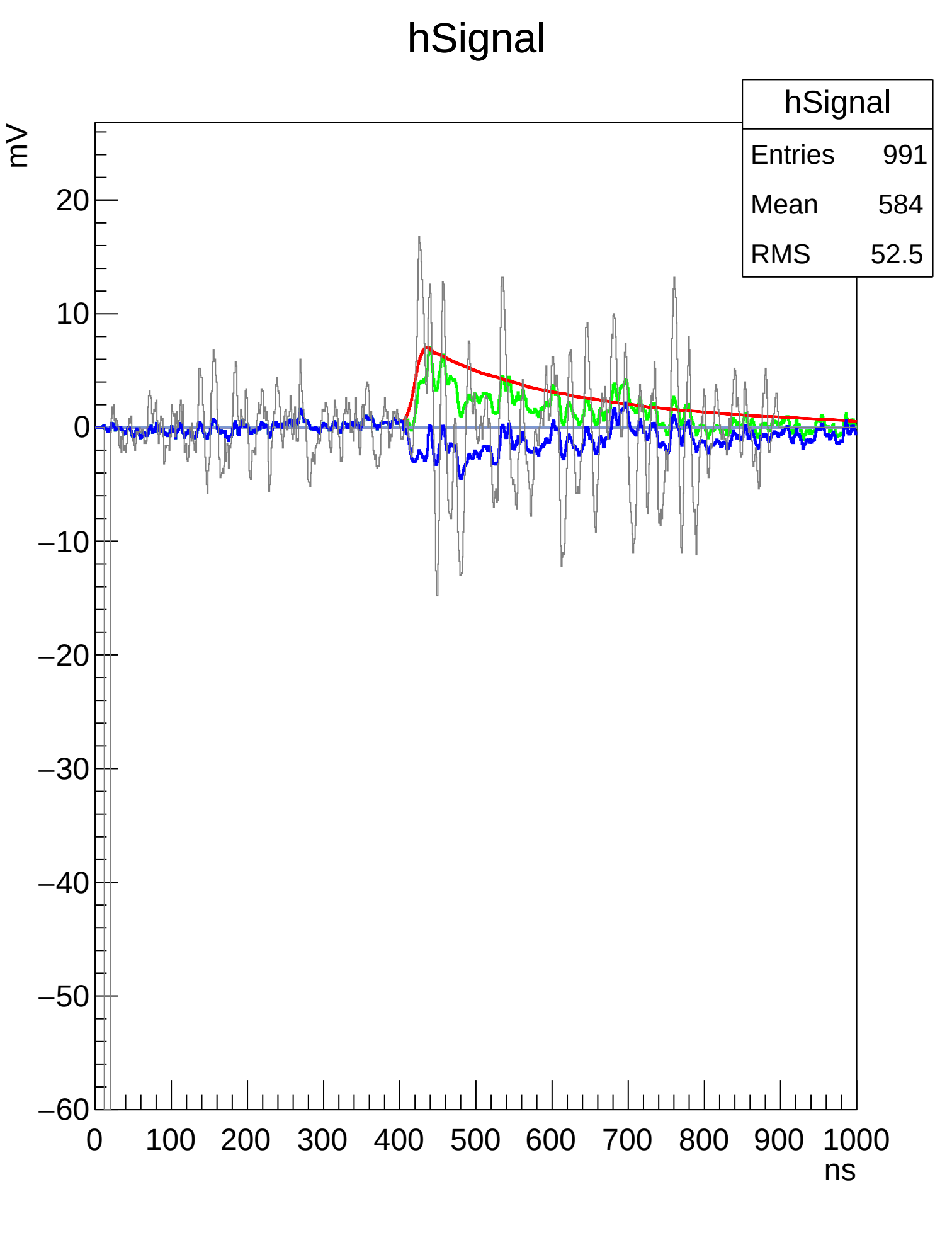

hSignal
hSignal
Entries 991
Mean 594.1
RMS 123.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

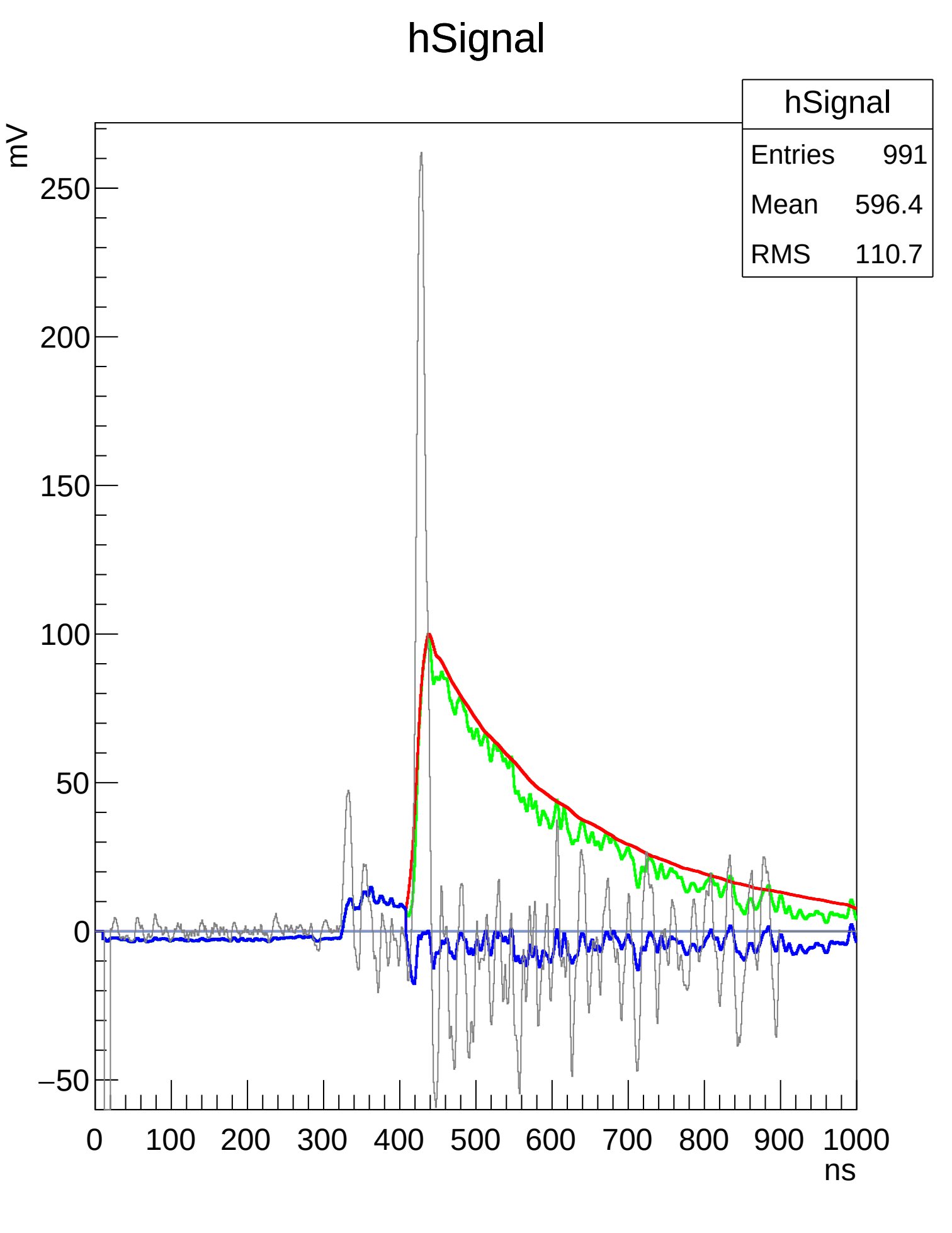

hSignal
hSignal
Entries 991
Mean 602
RMS 178.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

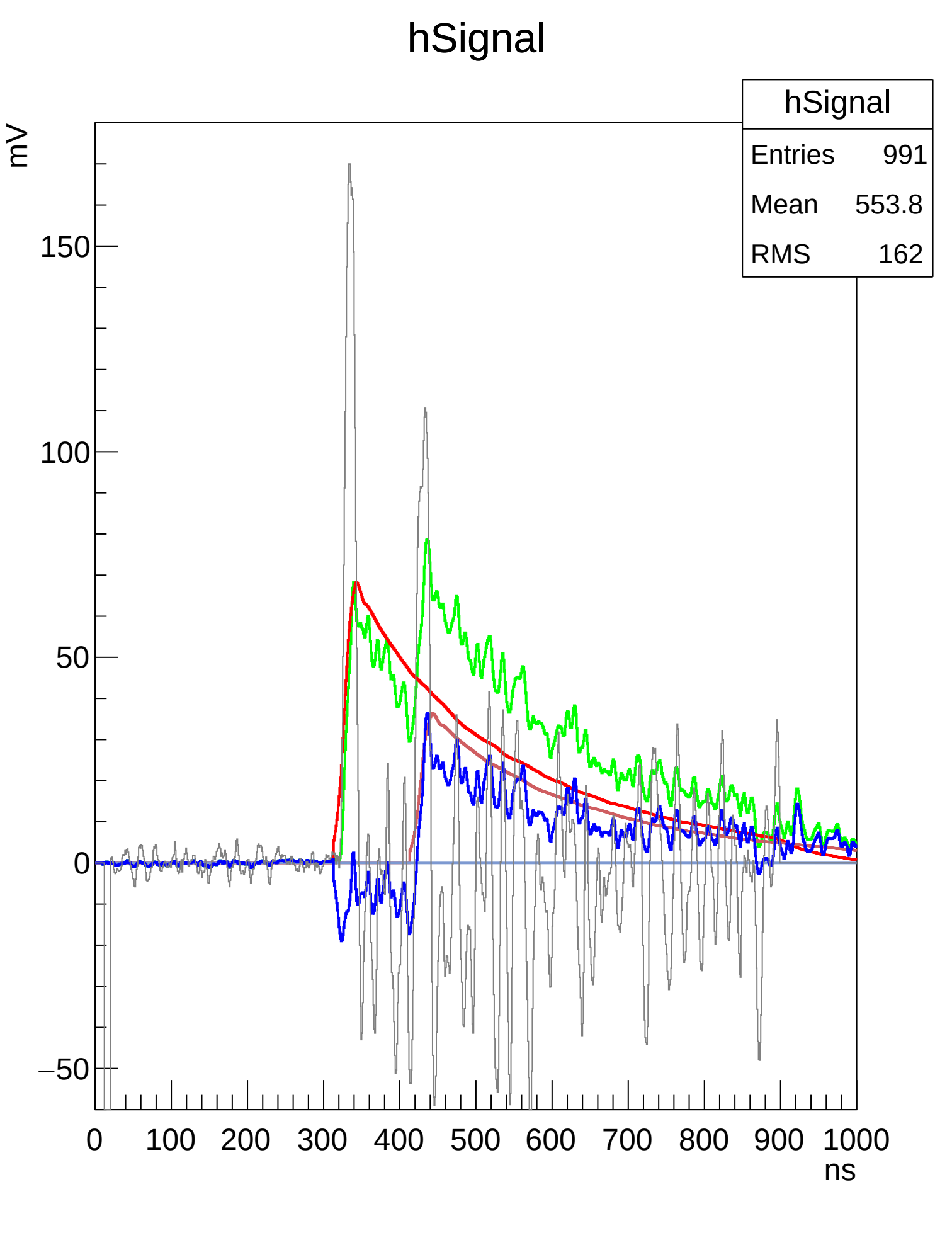

hSignal
hSignal
Entries 991
Mean 607.6
RMS 141.3
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

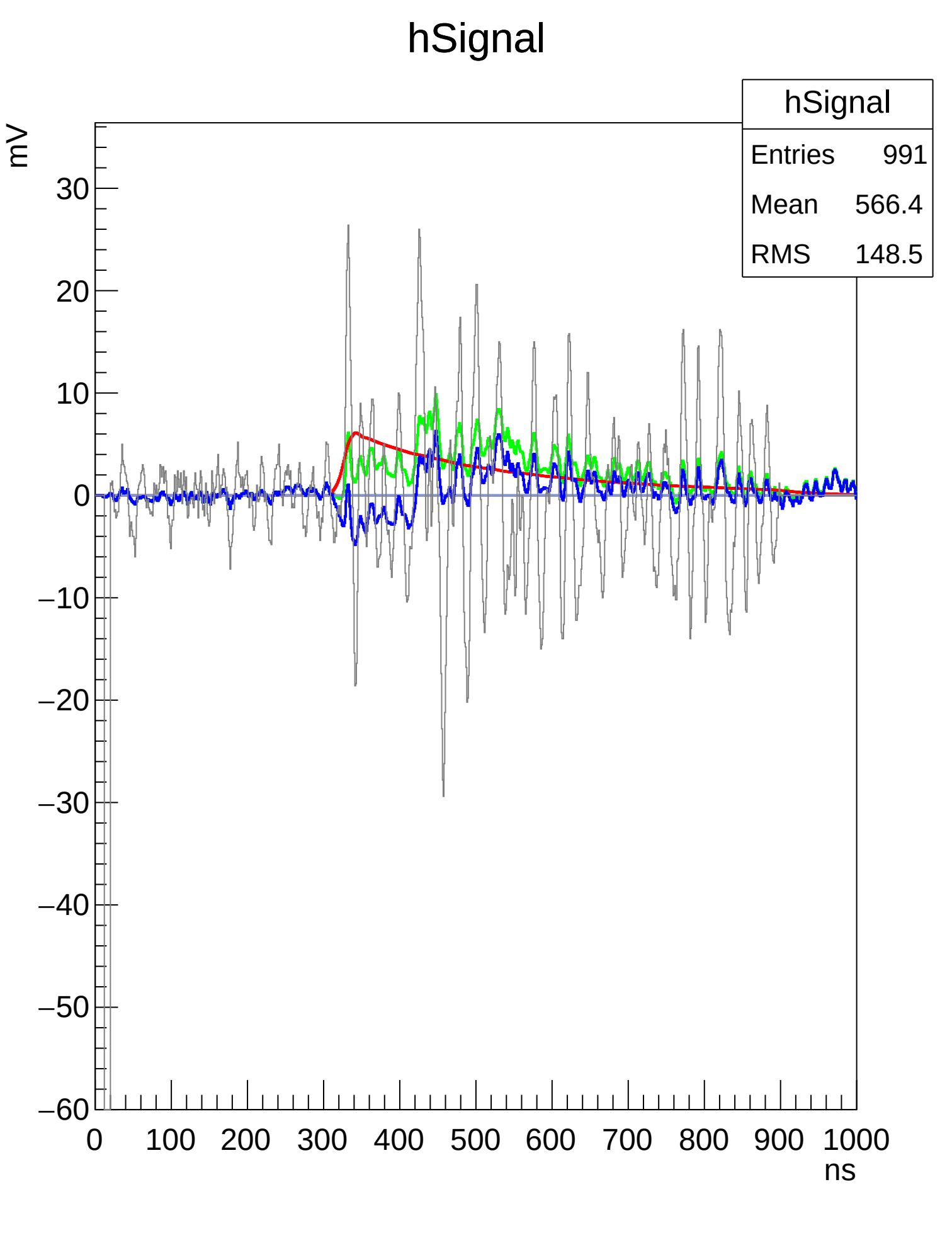

hSignal
hSignal
Entries 991
Mean 595.8
RMS 69.75
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.1
RMS 156.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584
RMS 52.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 110.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.8
RMS 162
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.4
RMS 148.5
mV
30
20
10
0
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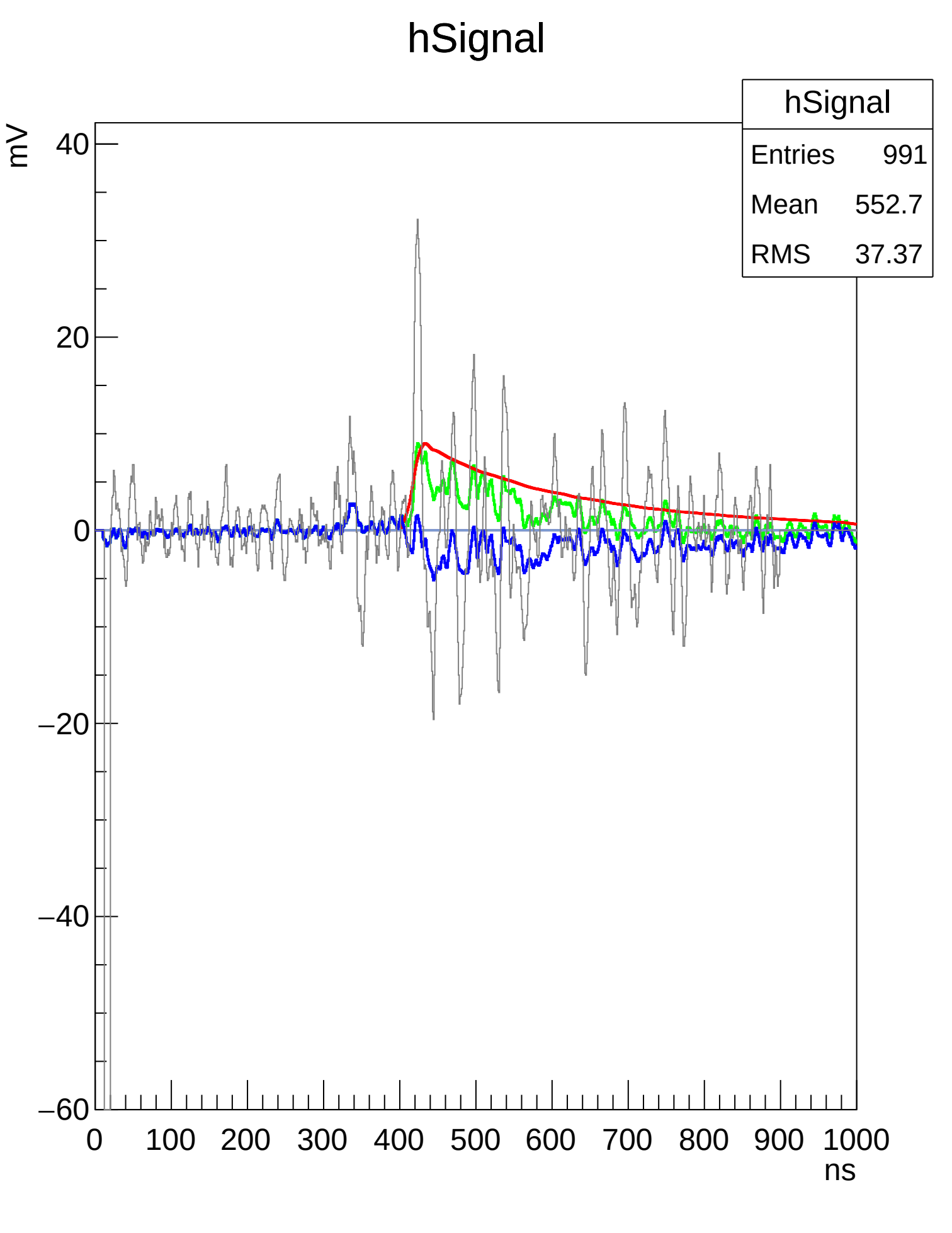
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.7
RMS 37.37
mV
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0
−20
−40
−60
0
100
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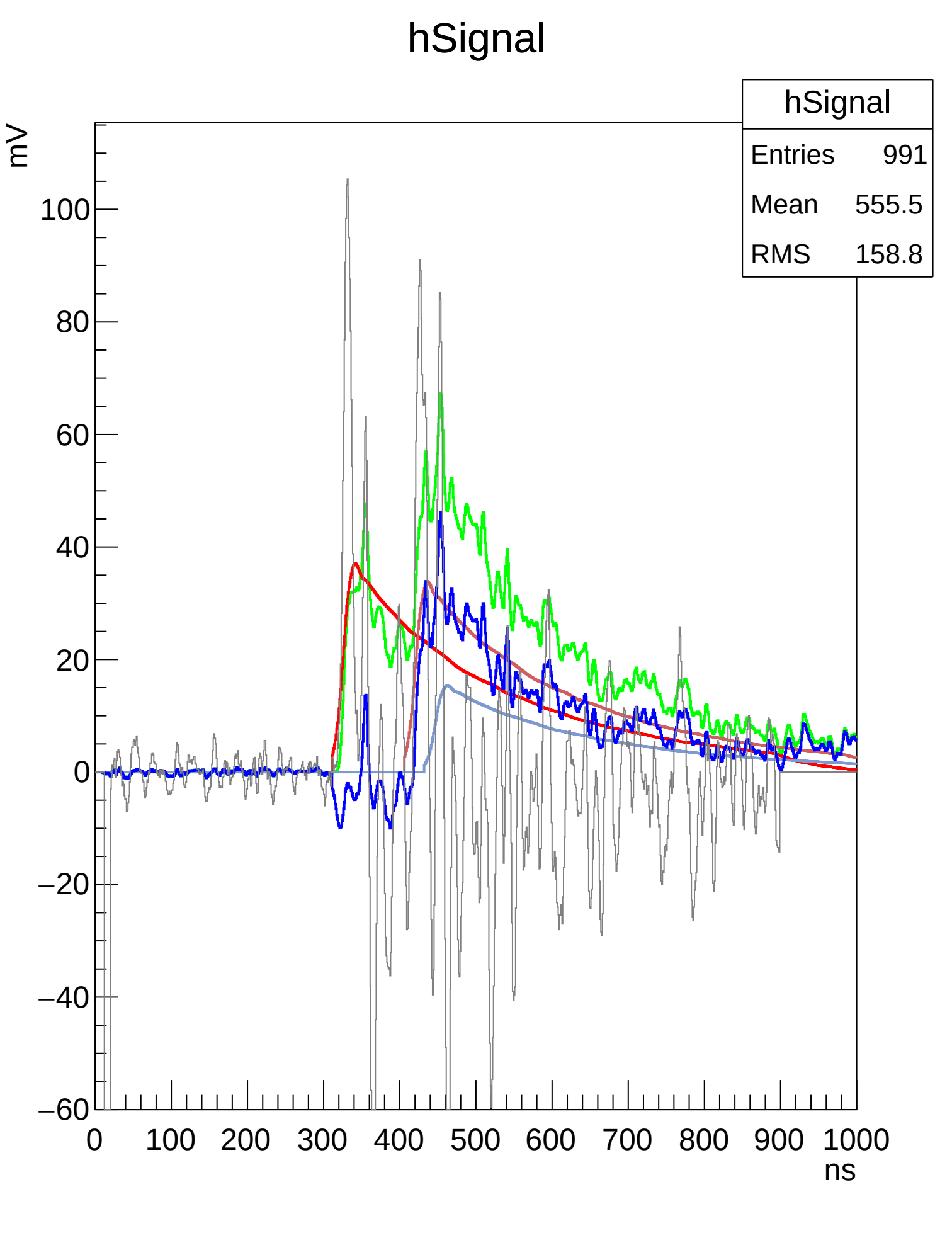
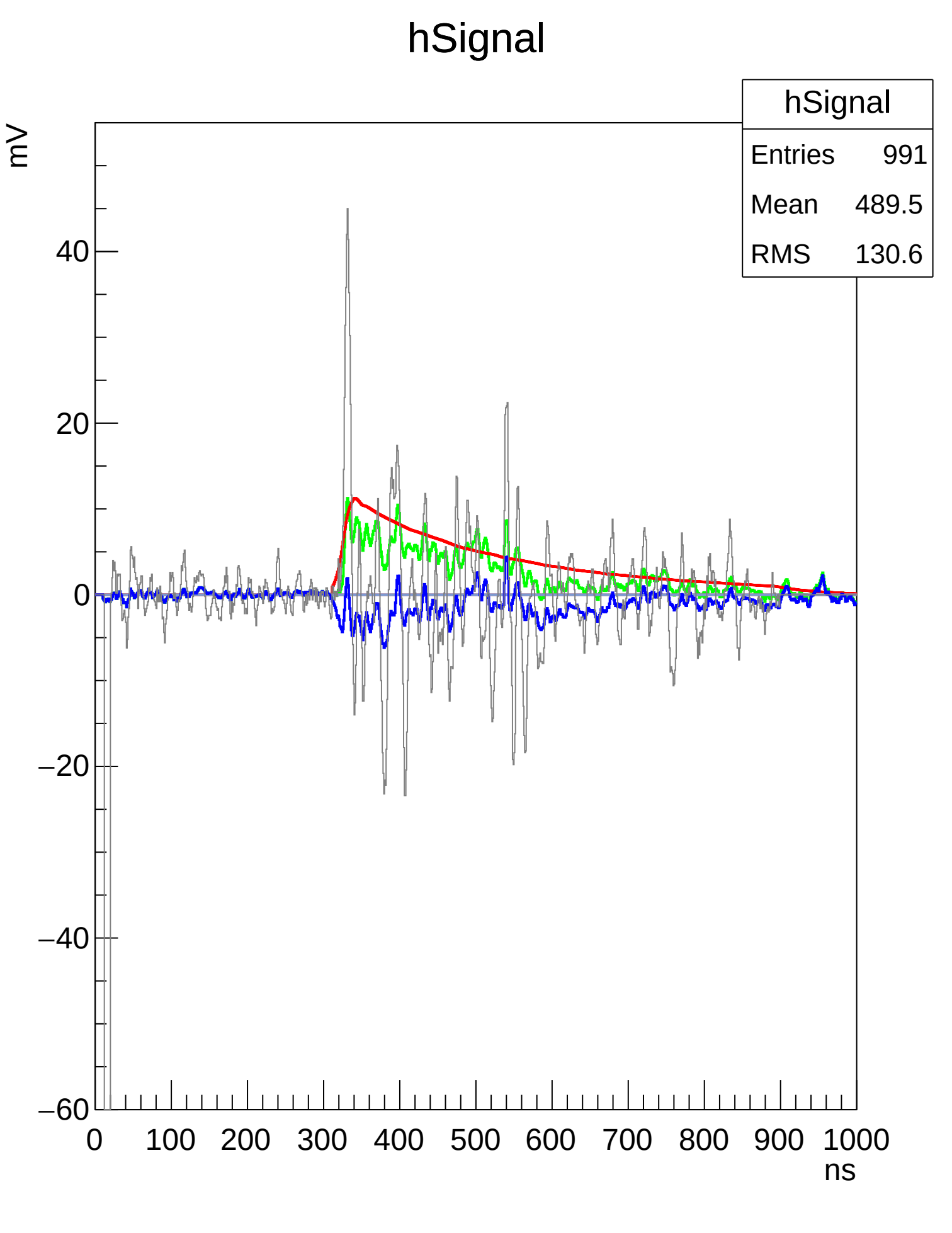
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.5
RMS 158.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.5
RMS 130.6
mV
40
20
0
−20
−40
−60
0
100
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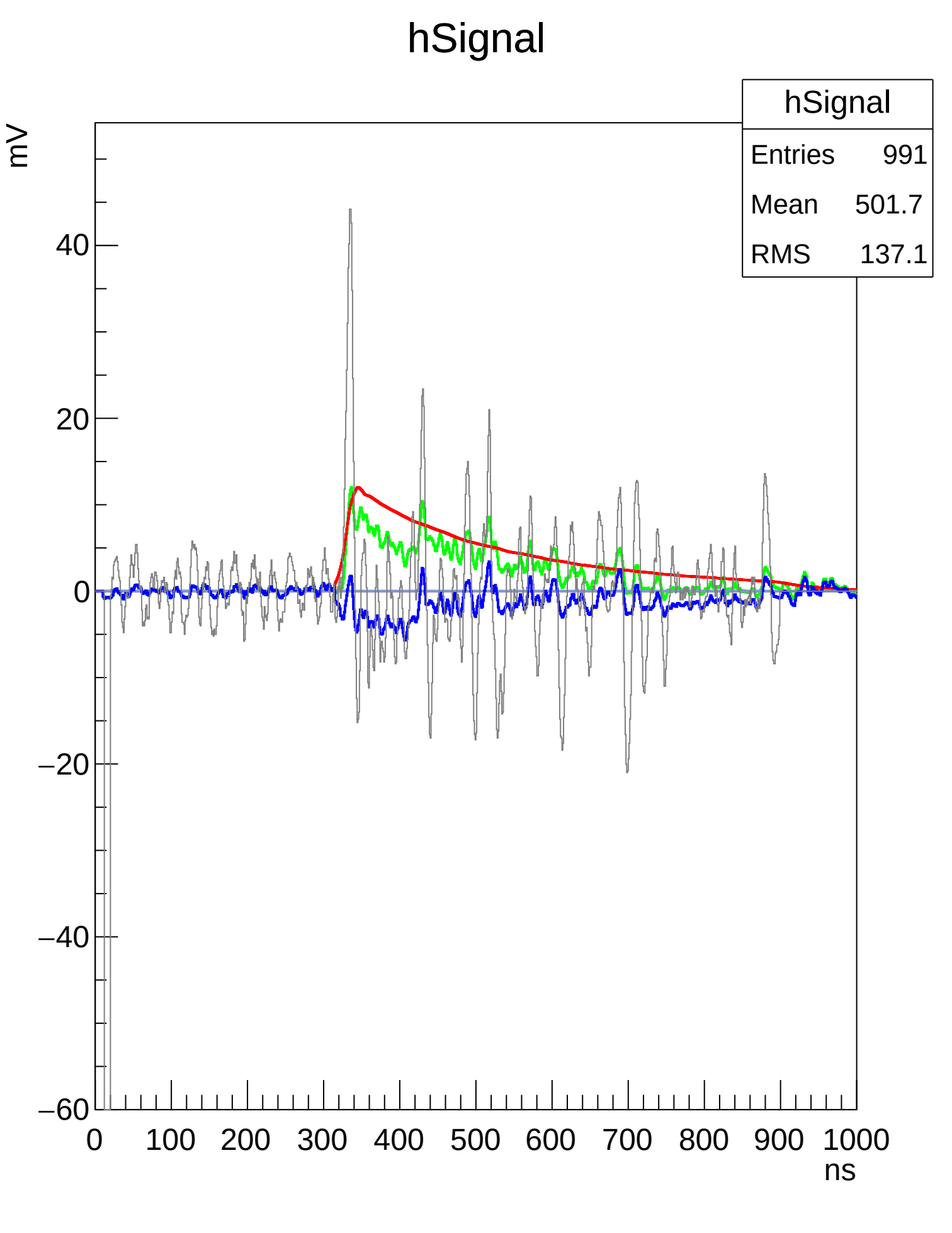
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.7
RMS 137.1
mV
40
20
0
−20
−40
−60
0
100
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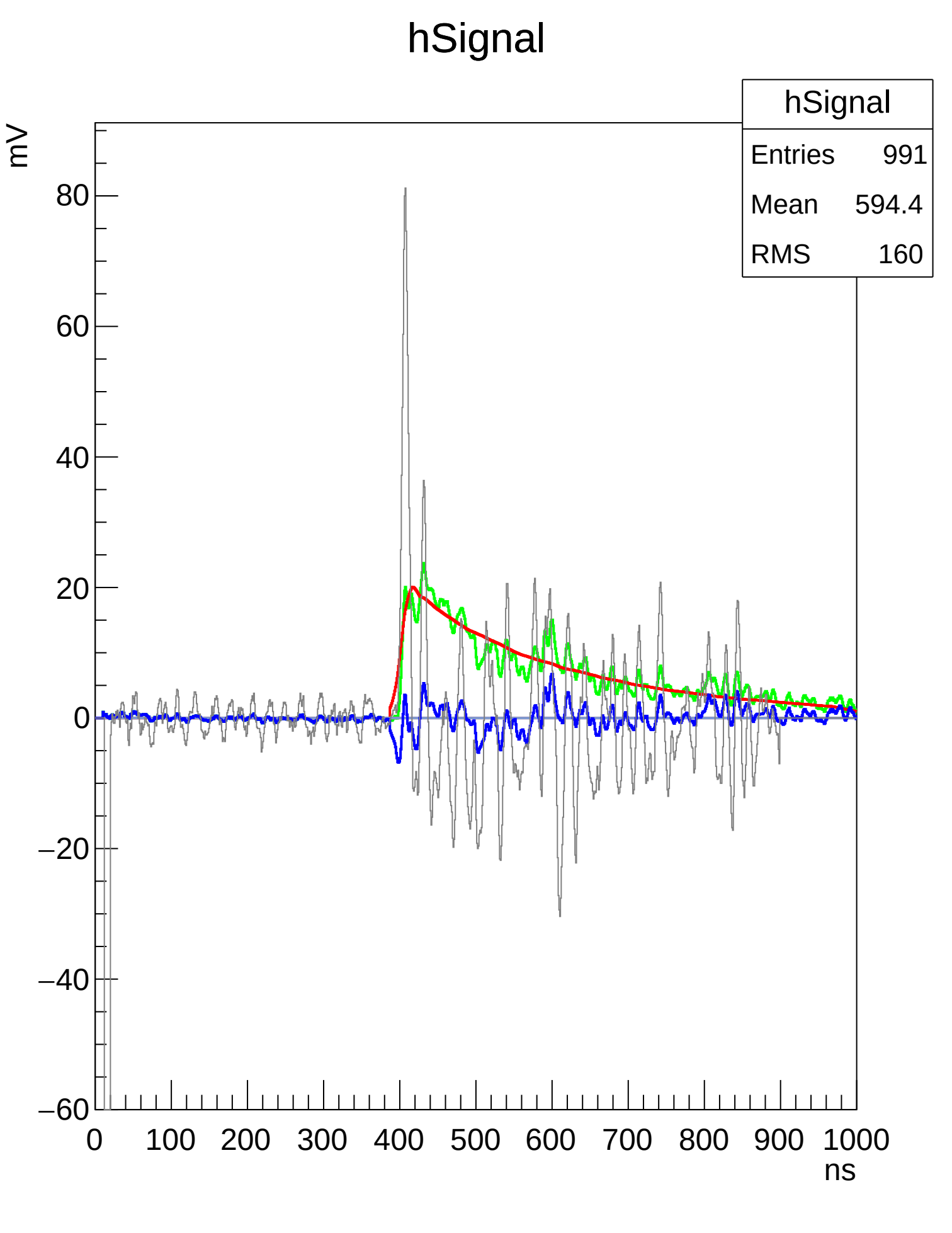
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.4
RMS 160
mV
80
60
40
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0
−20
−40
−60
0
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200
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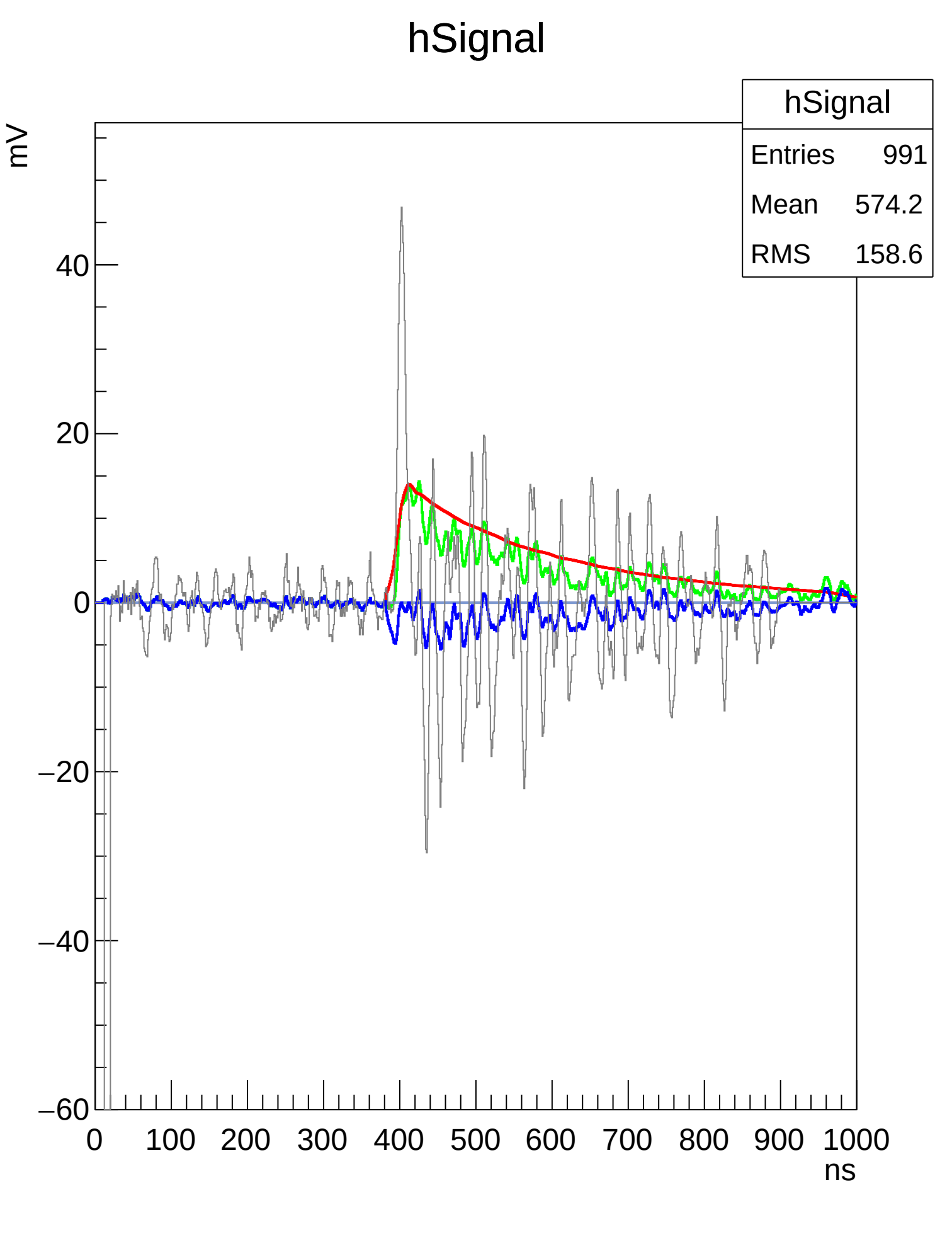
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.2
RMS 158.6
mV
40
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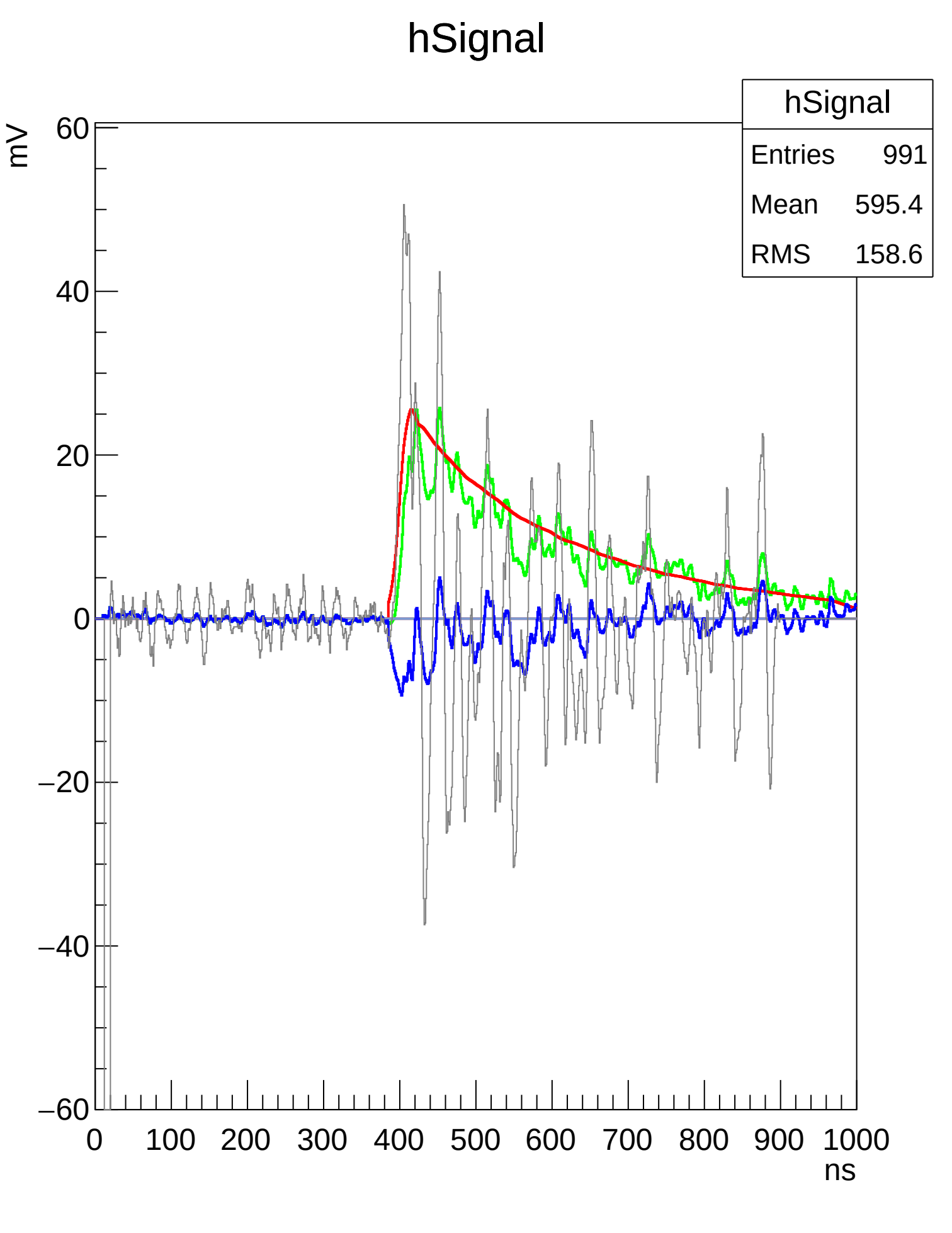
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.4
RMS 158.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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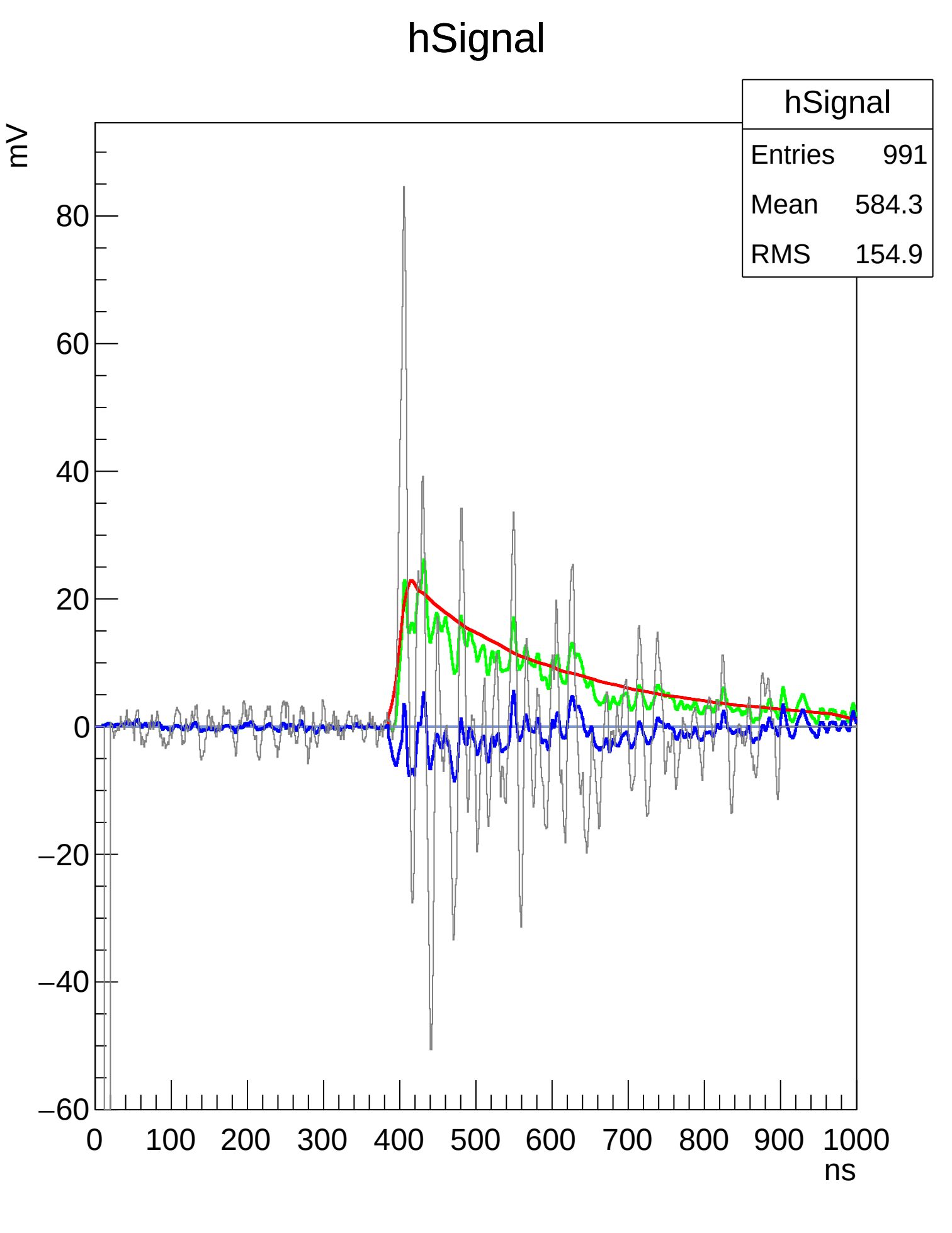
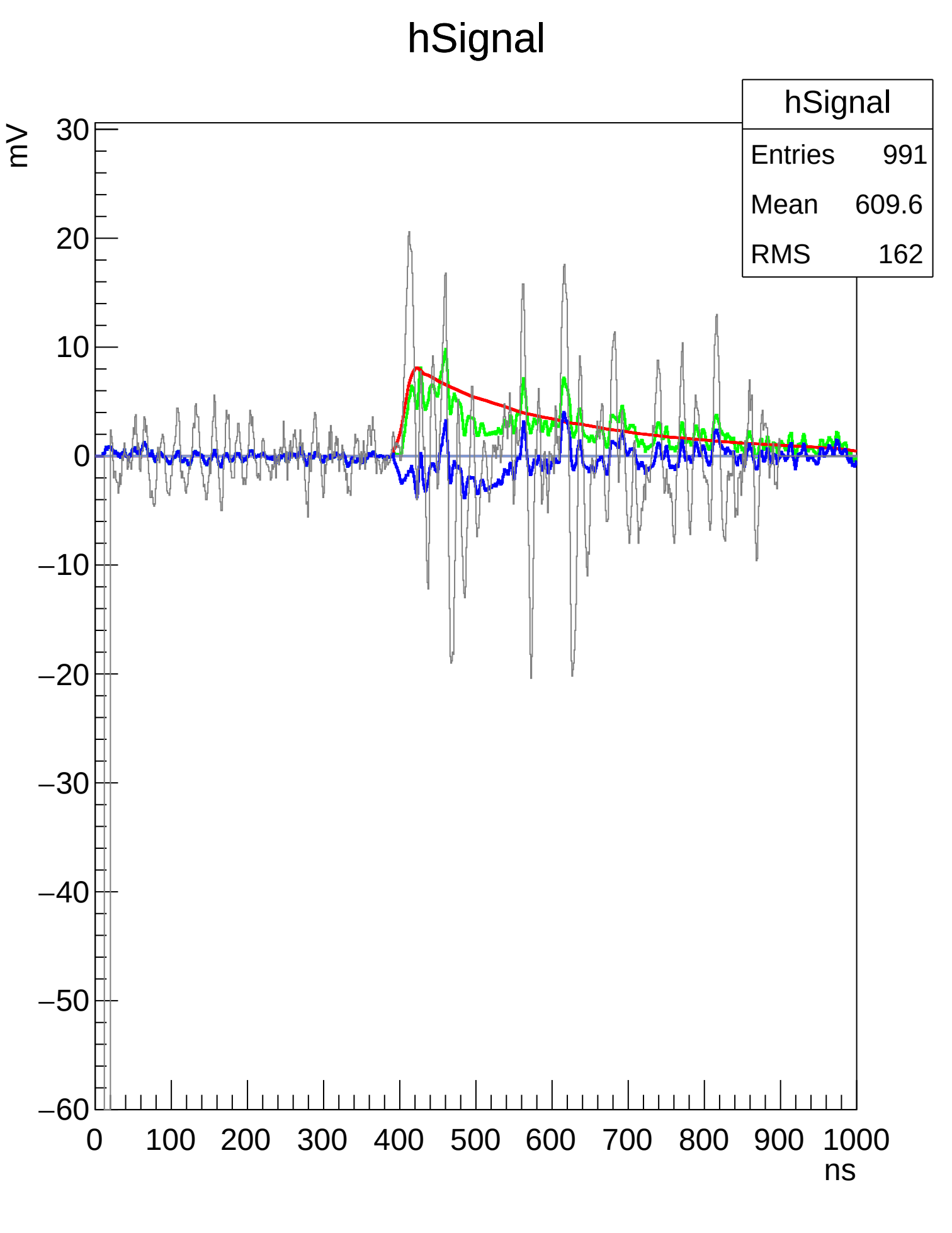
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.3
RMS 154.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.6
RMS 162
mV
30
20
10
0
−10
−20
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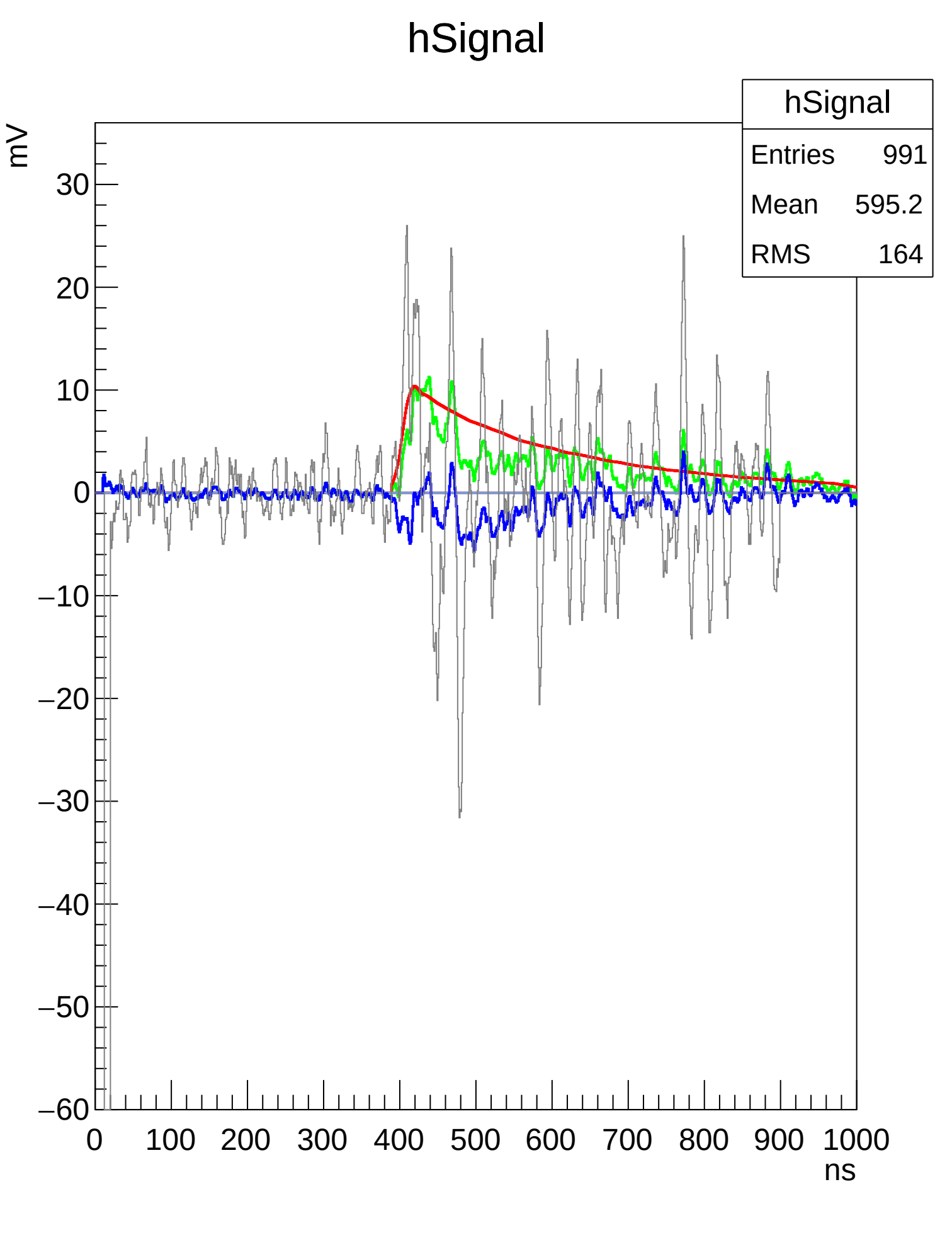
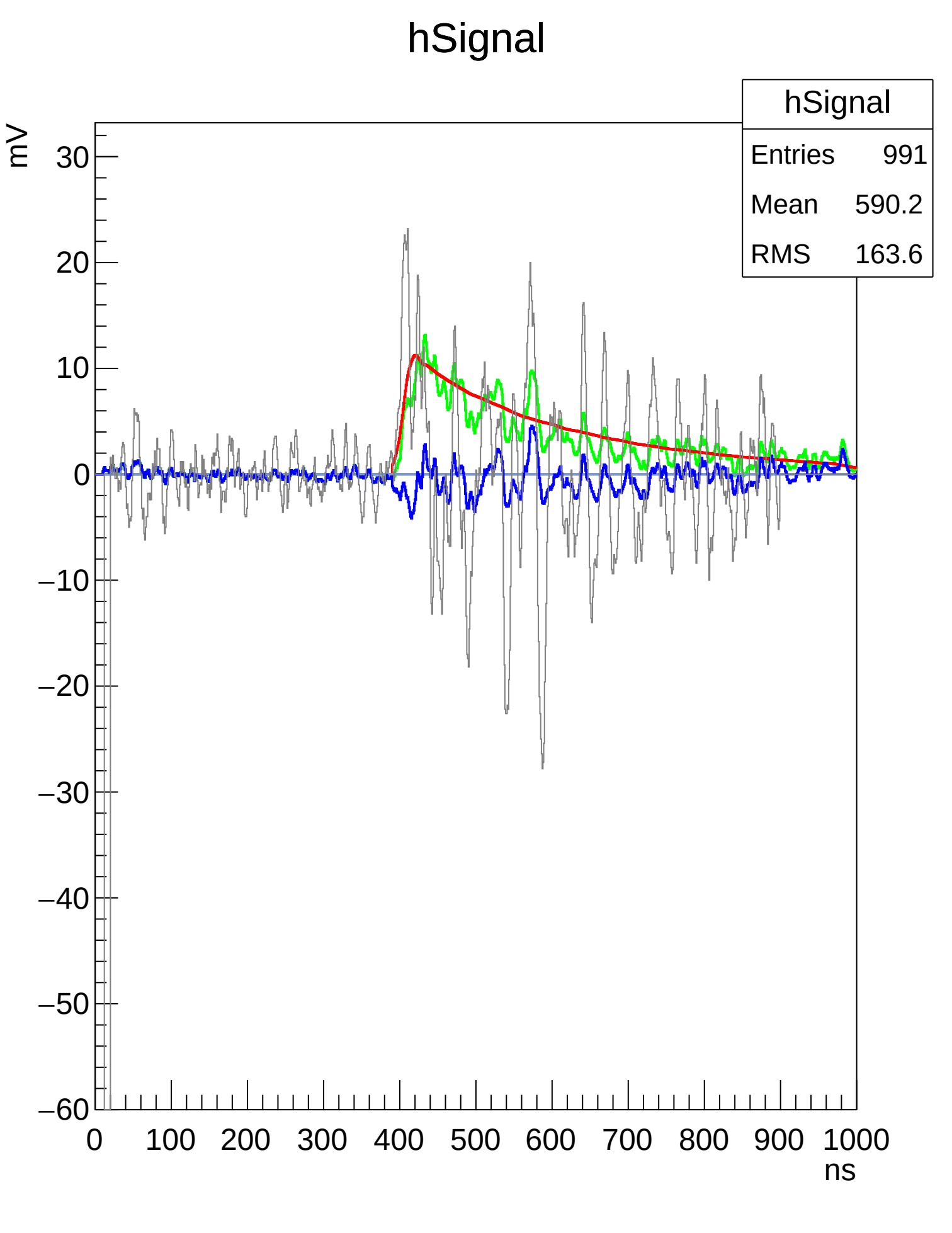
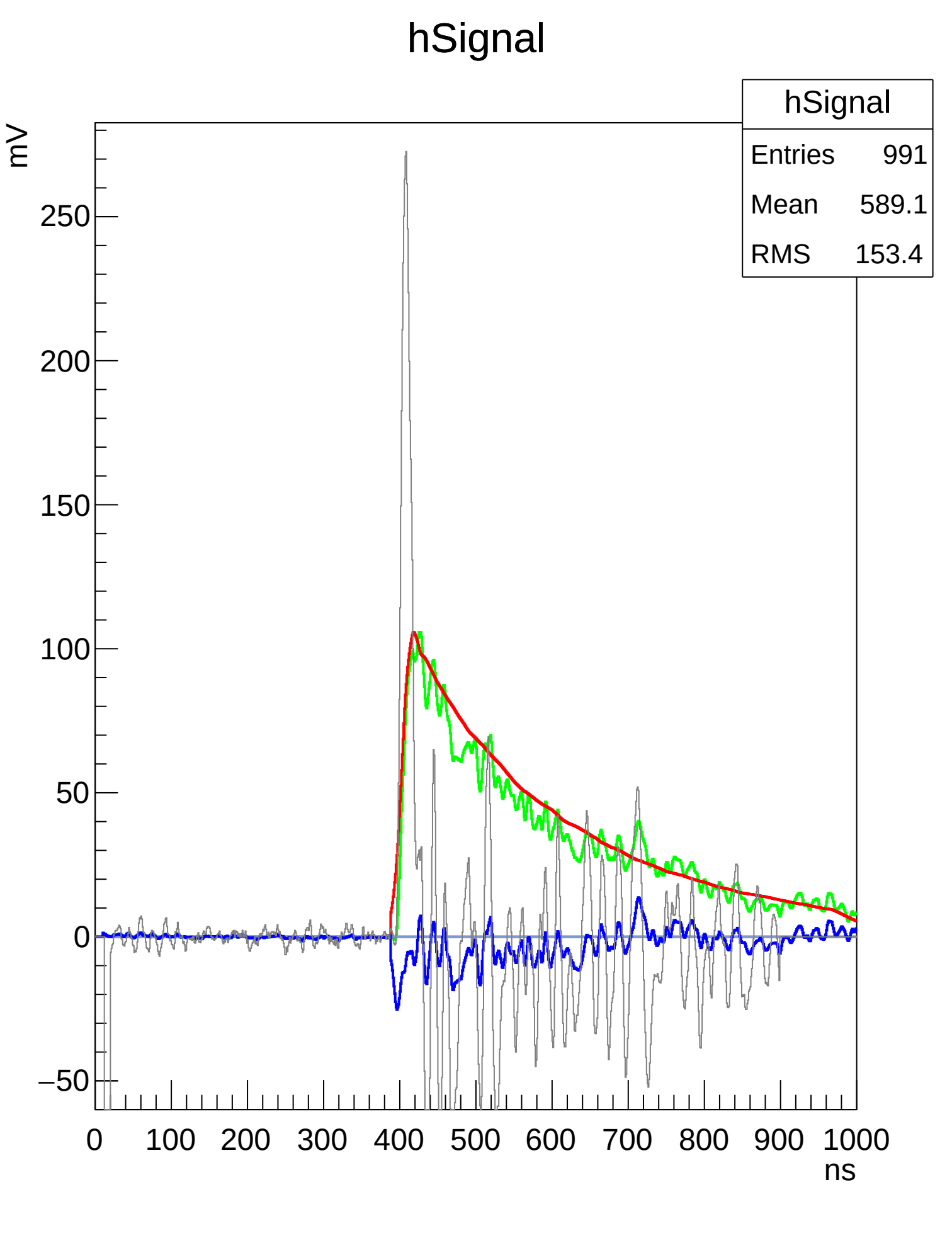
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.2
RMS 164
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.2
RMS 163.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.1
RMS 153.4
mV
250
200
150
100
50
0
−50
0
100
200
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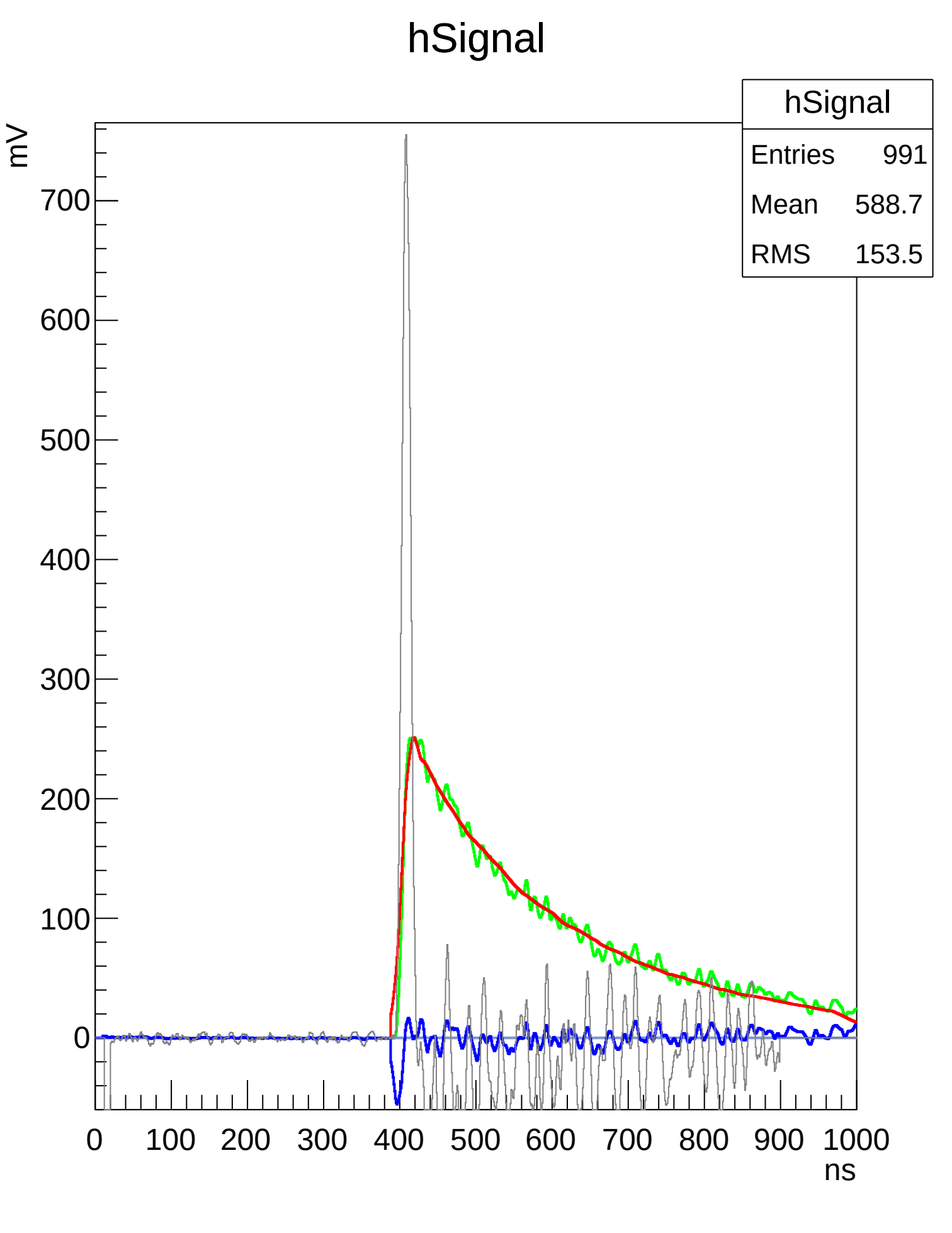
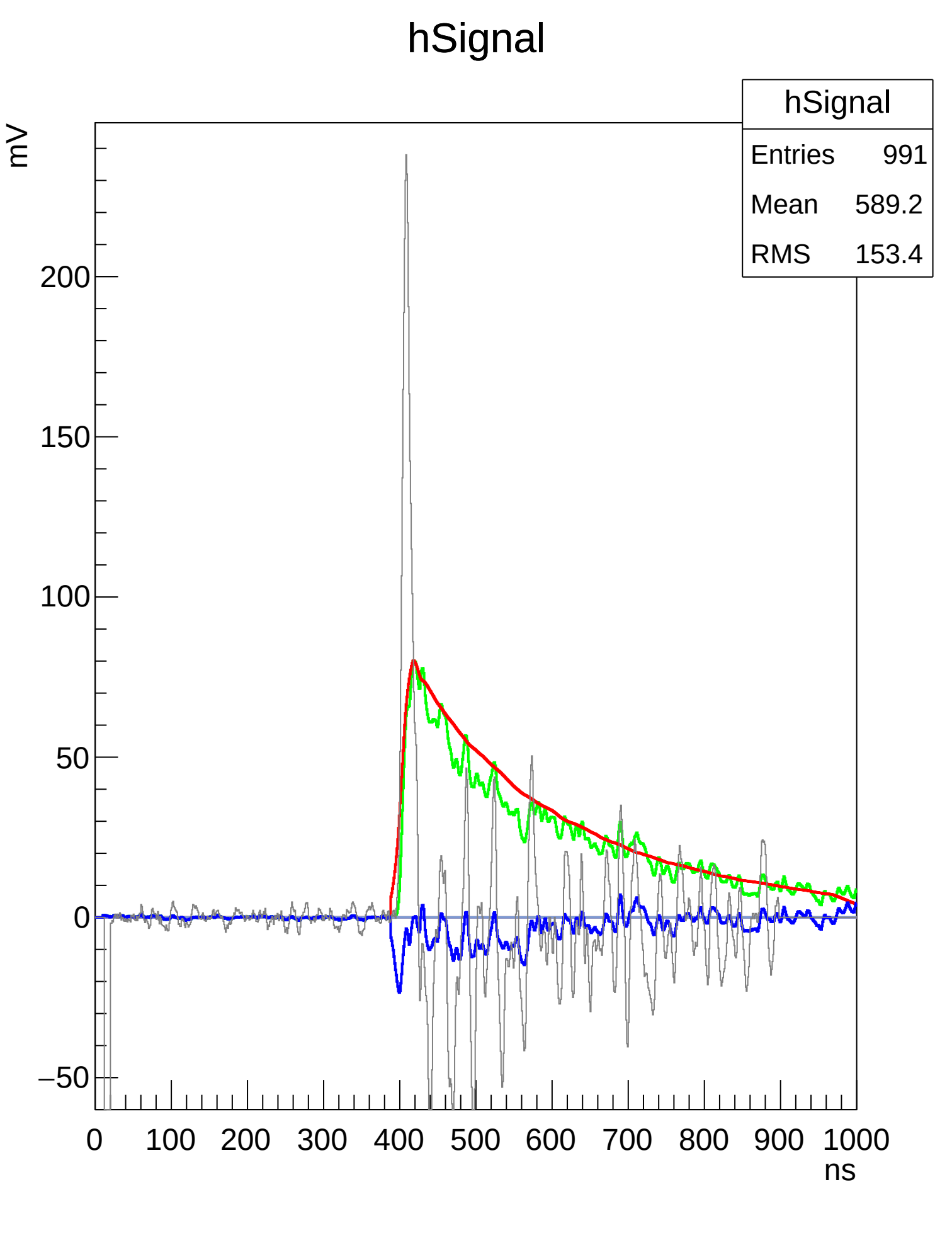
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.7
RMS 153.5
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 153.4
mV
200
150
100
50
0
−50
0
100
200
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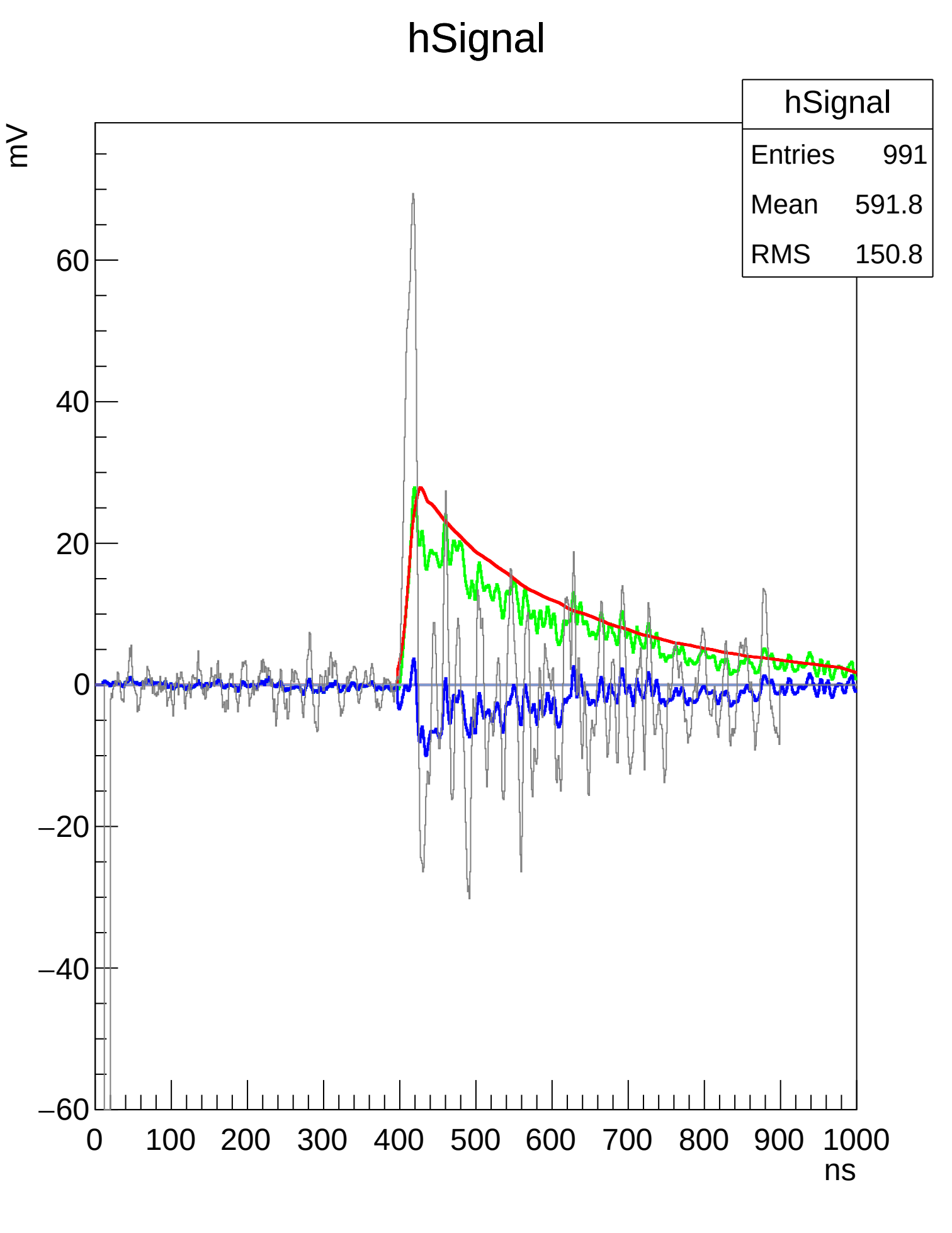
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.8
RMS 150.8
mV
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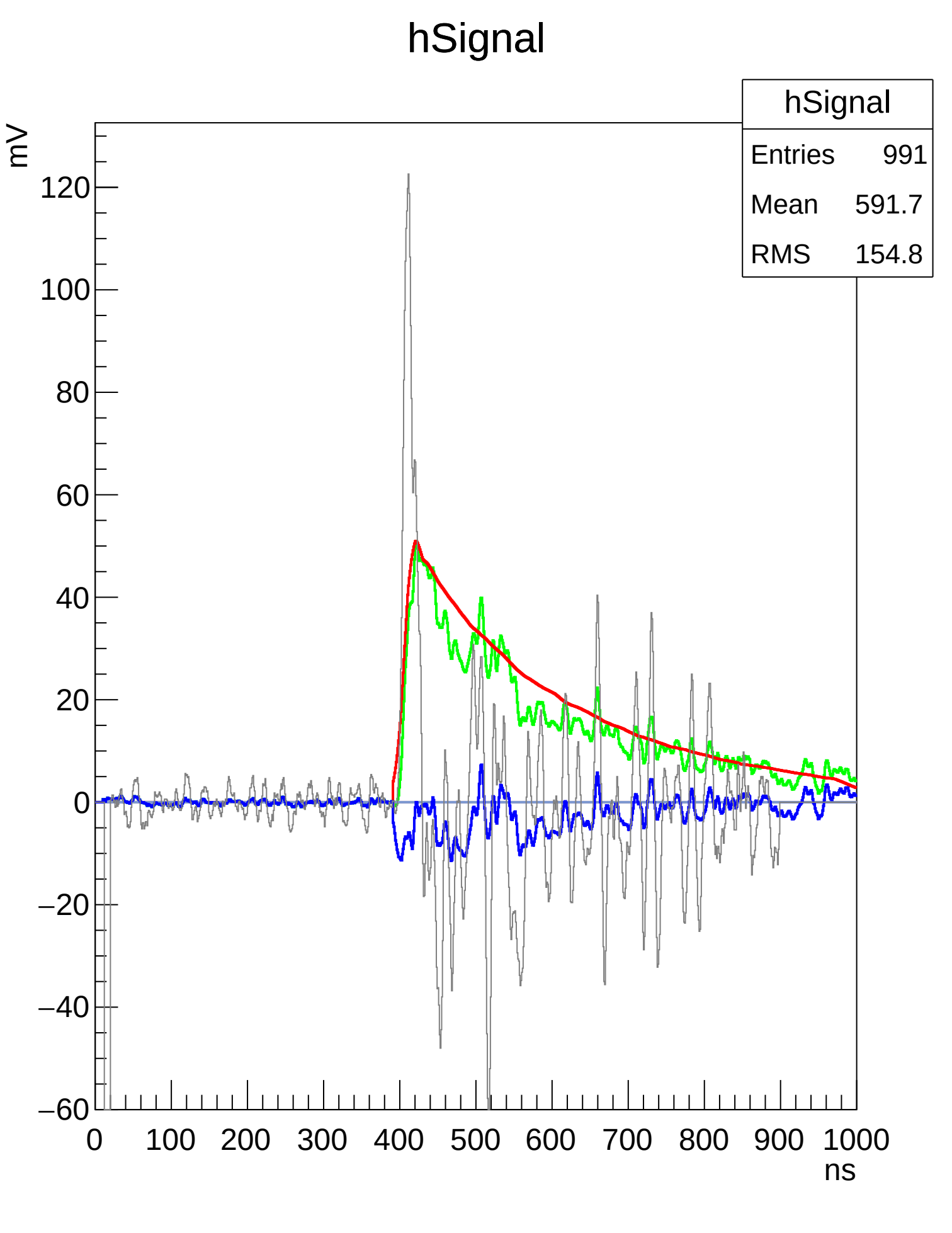
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.7
RMS 154.8
mV
120
100
80
60
40
20
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−20
−40
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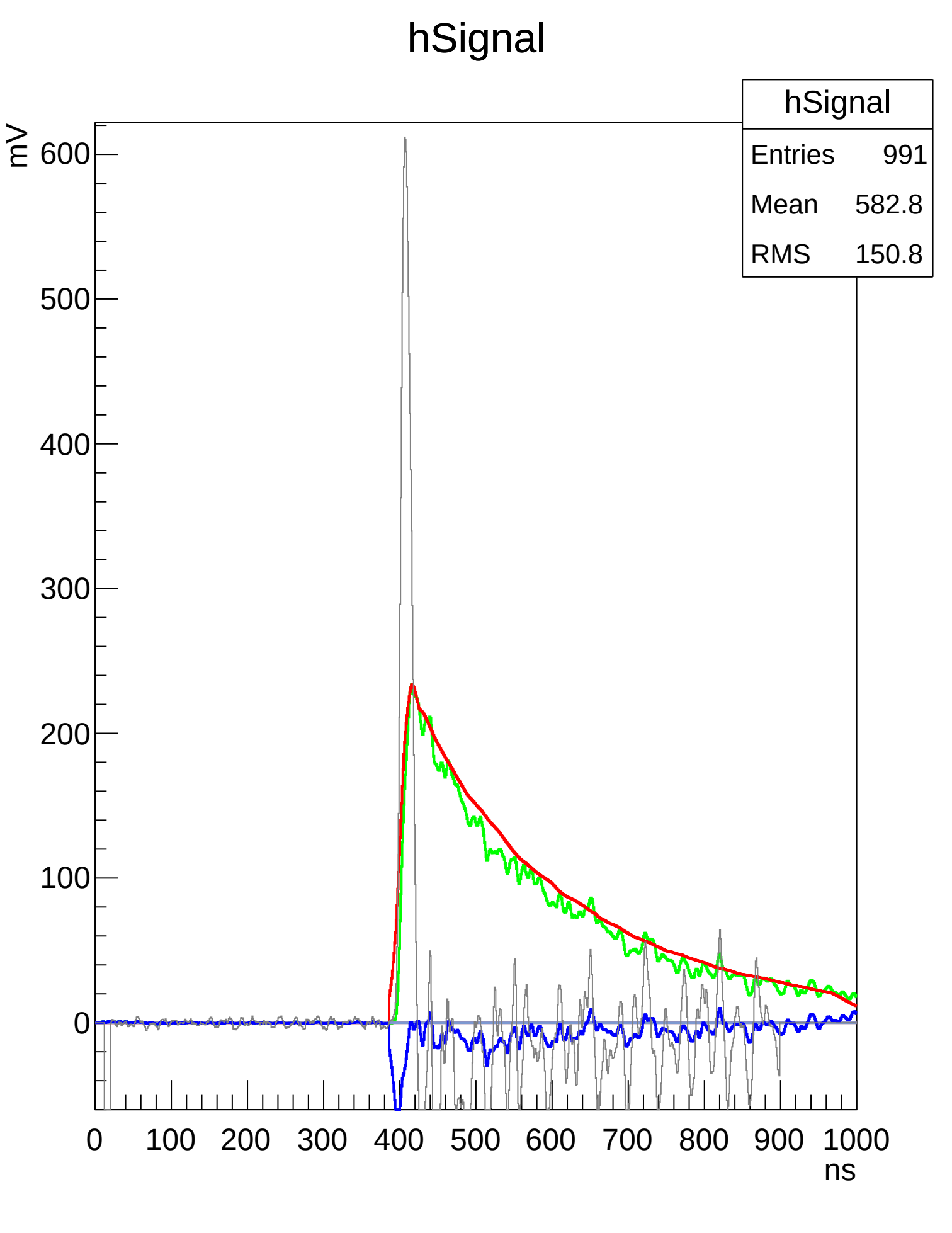
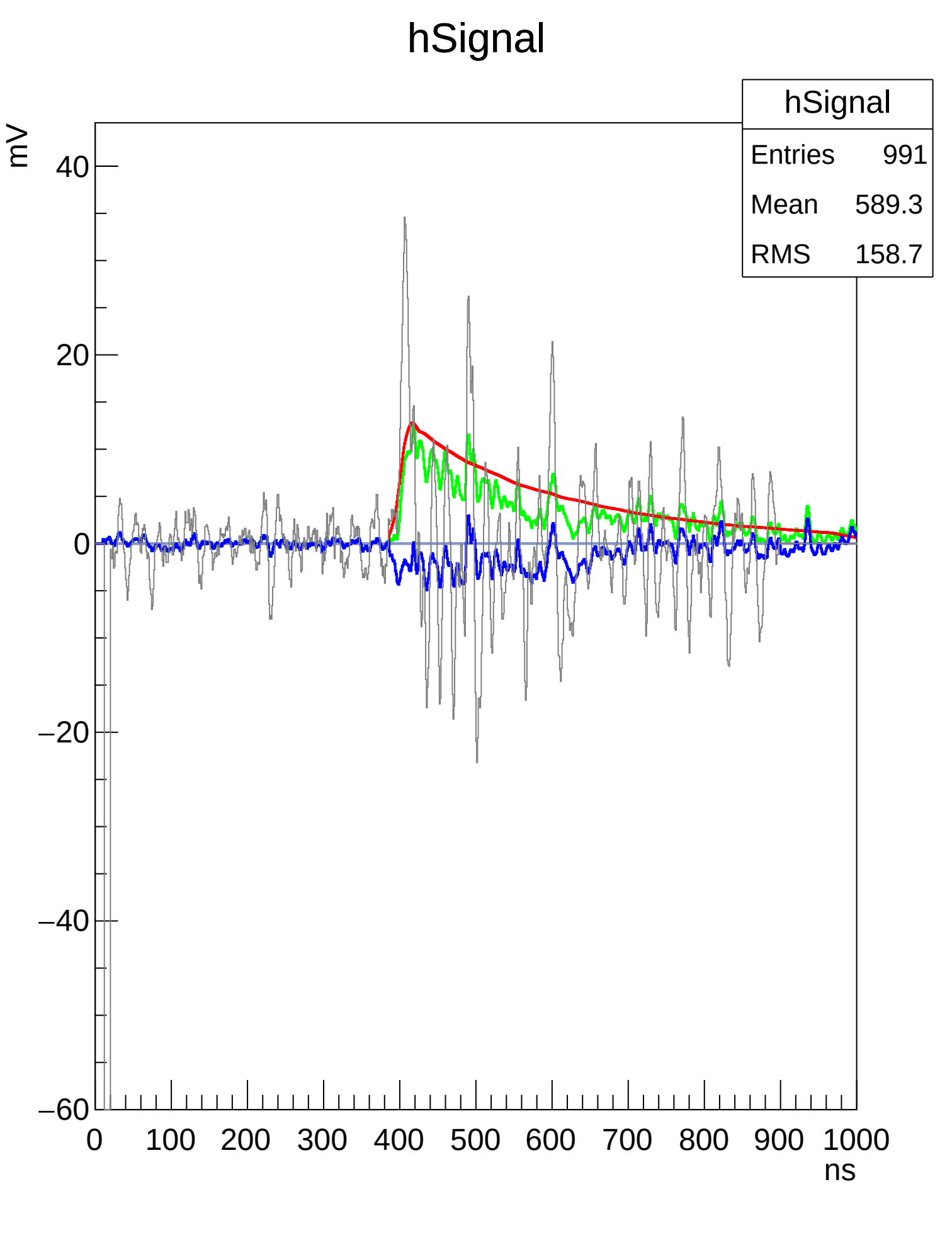
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.8
RMS 150.8
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.3
RMS 158.7
mV
40
20
0
−20
−40
−60
0
100
200
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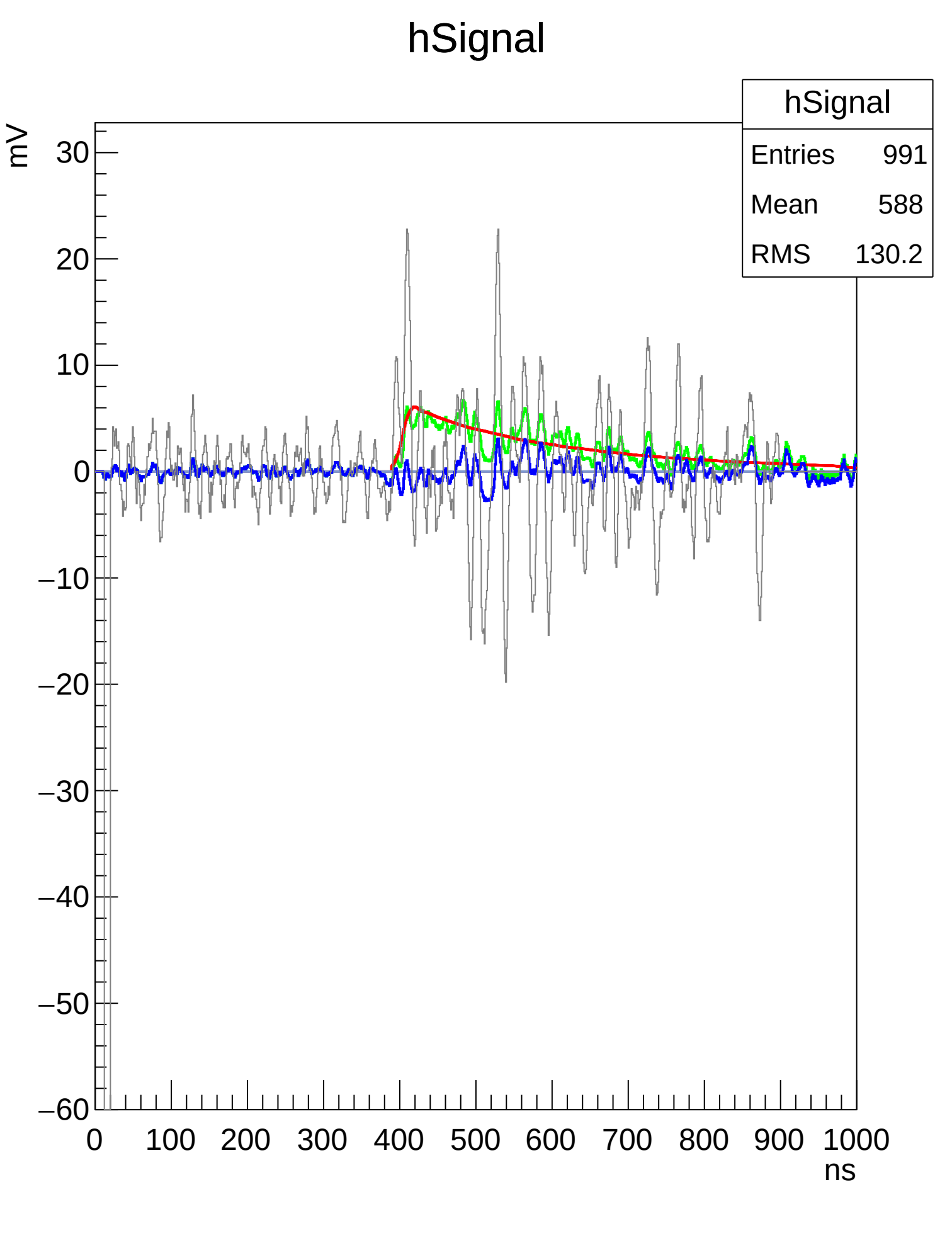
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 130.2
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
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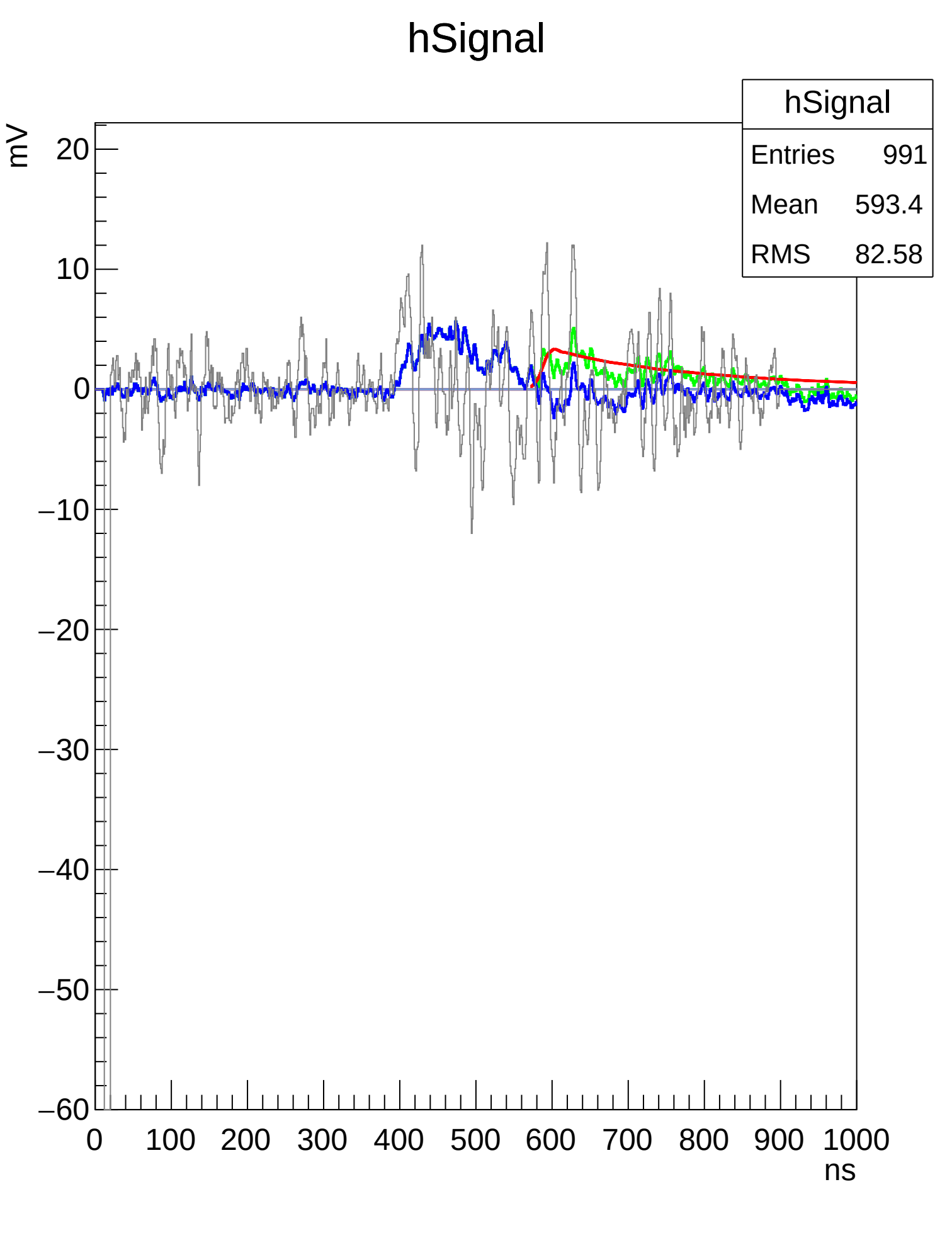
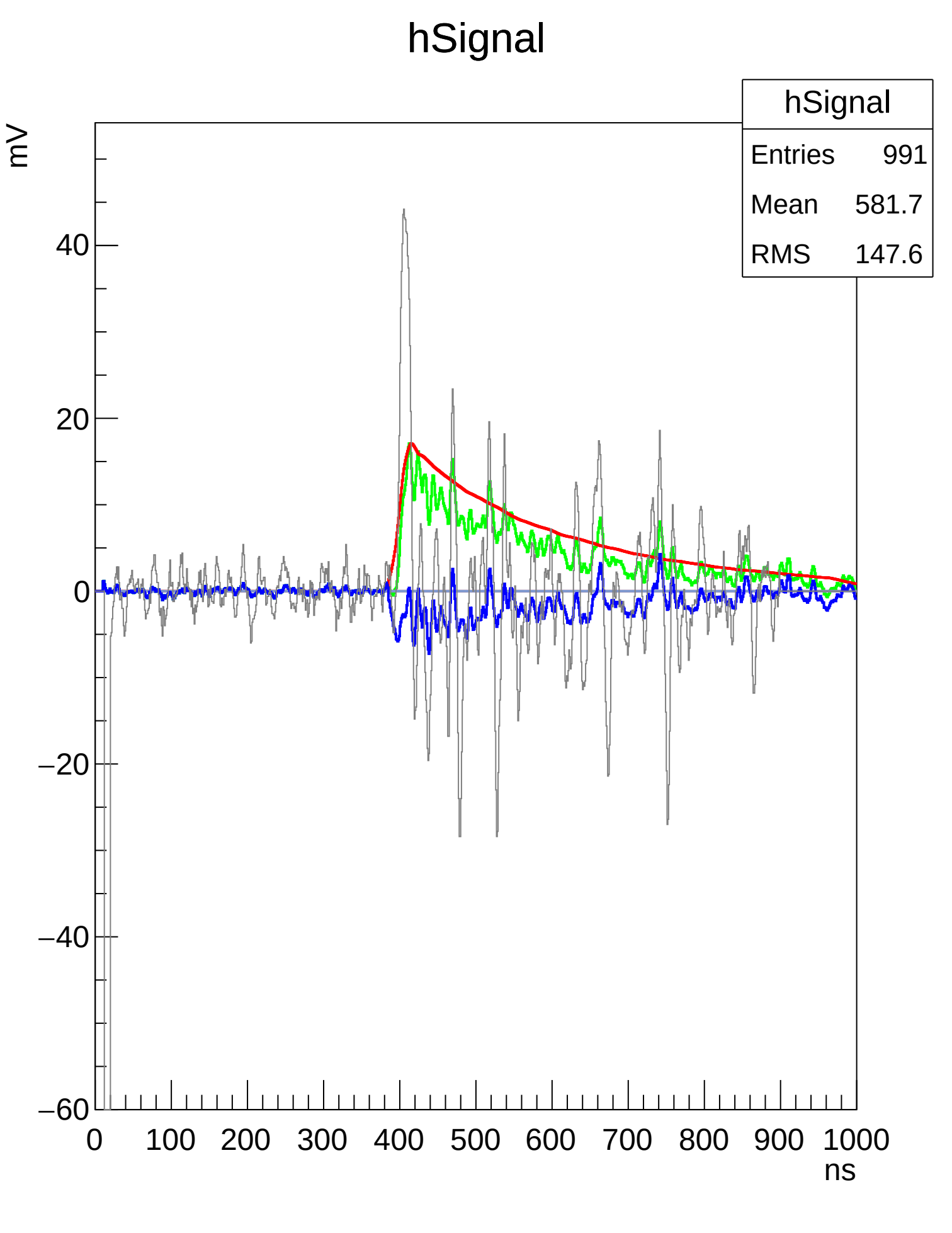
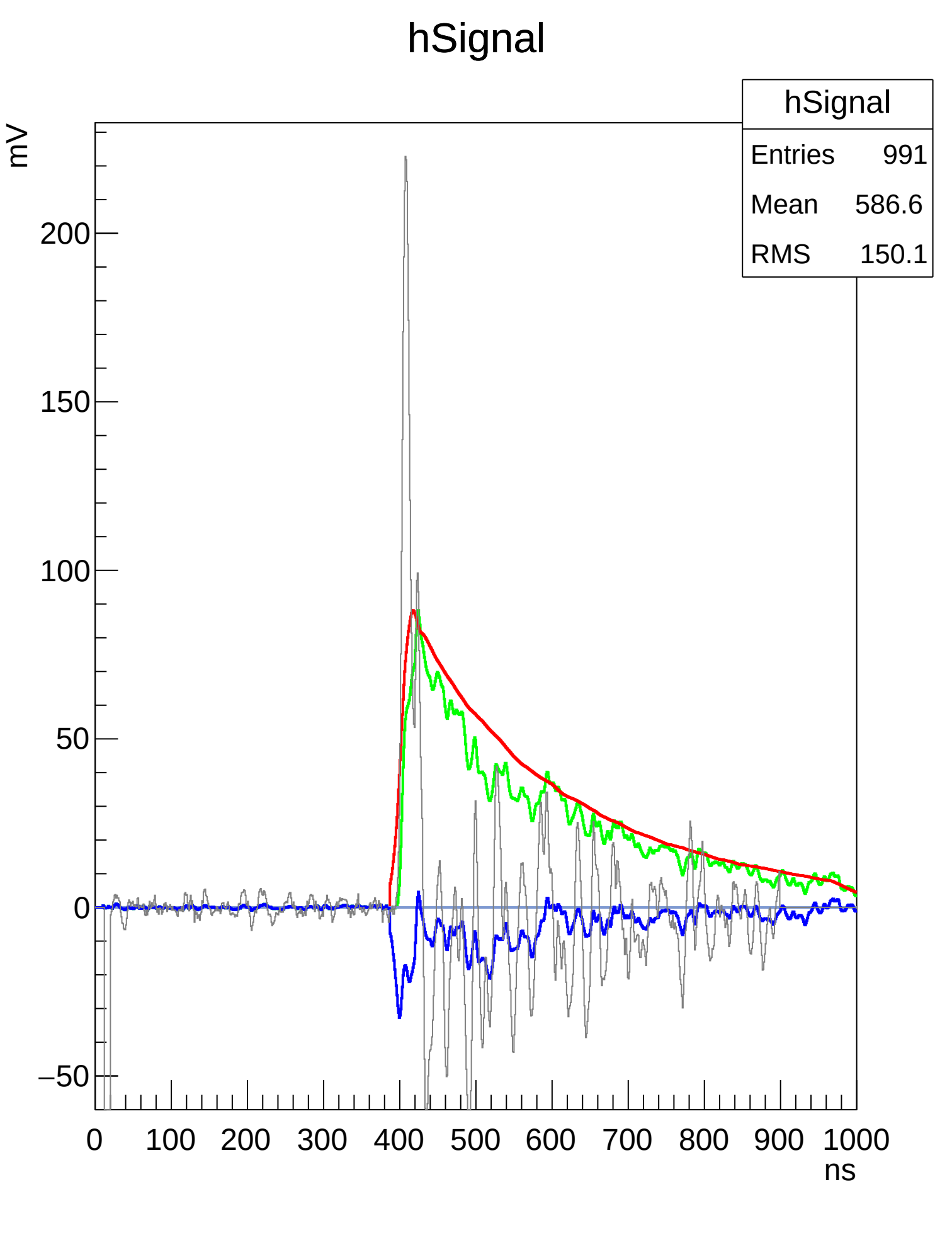
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 82.58
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.7
RMS 147.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.6
RMS 150.1
mV
200
150
100
50
0
−50
0
100
200
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400
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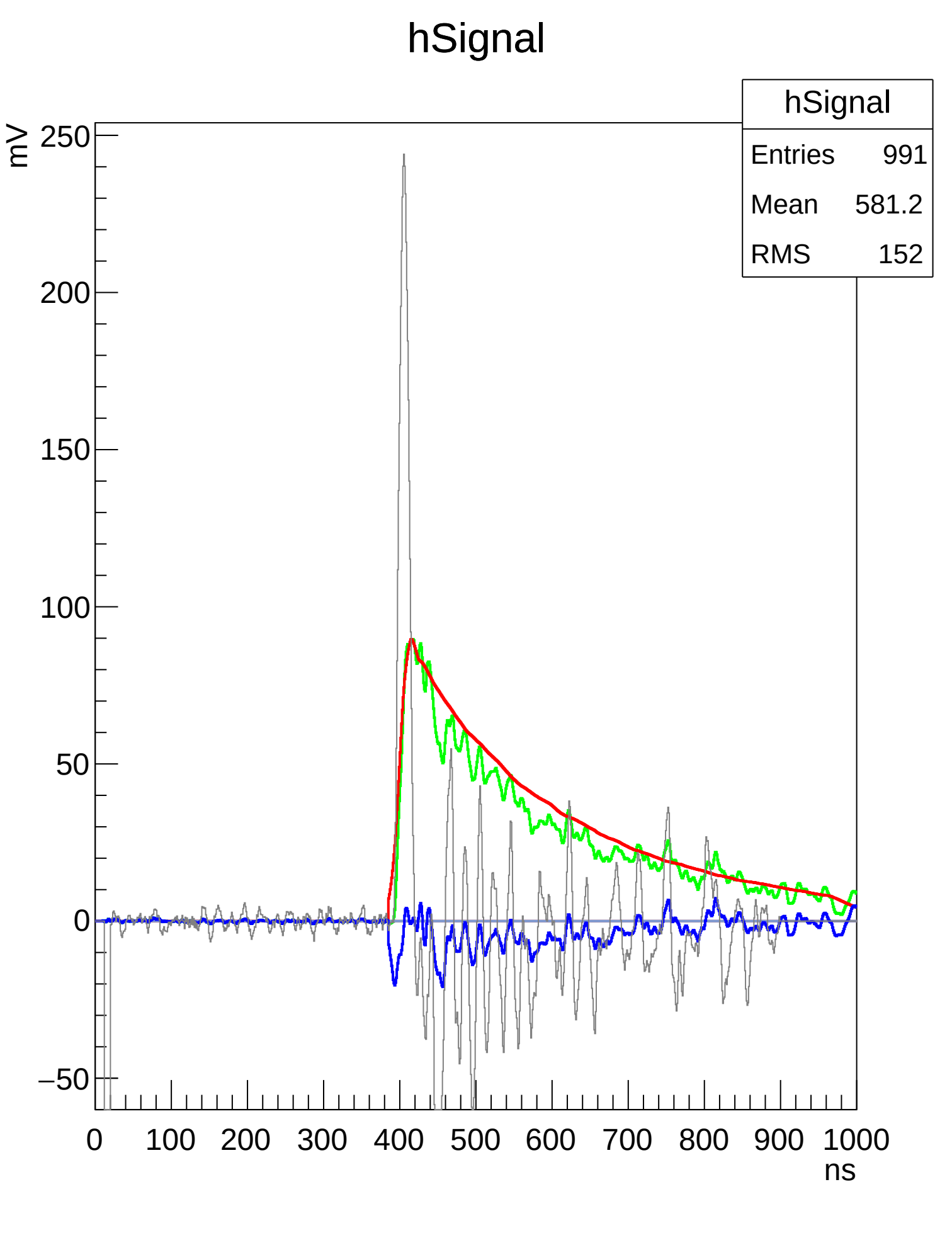
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.2
RMS 152
mV
250
200
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100
50
0
−50
0
100
200
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400
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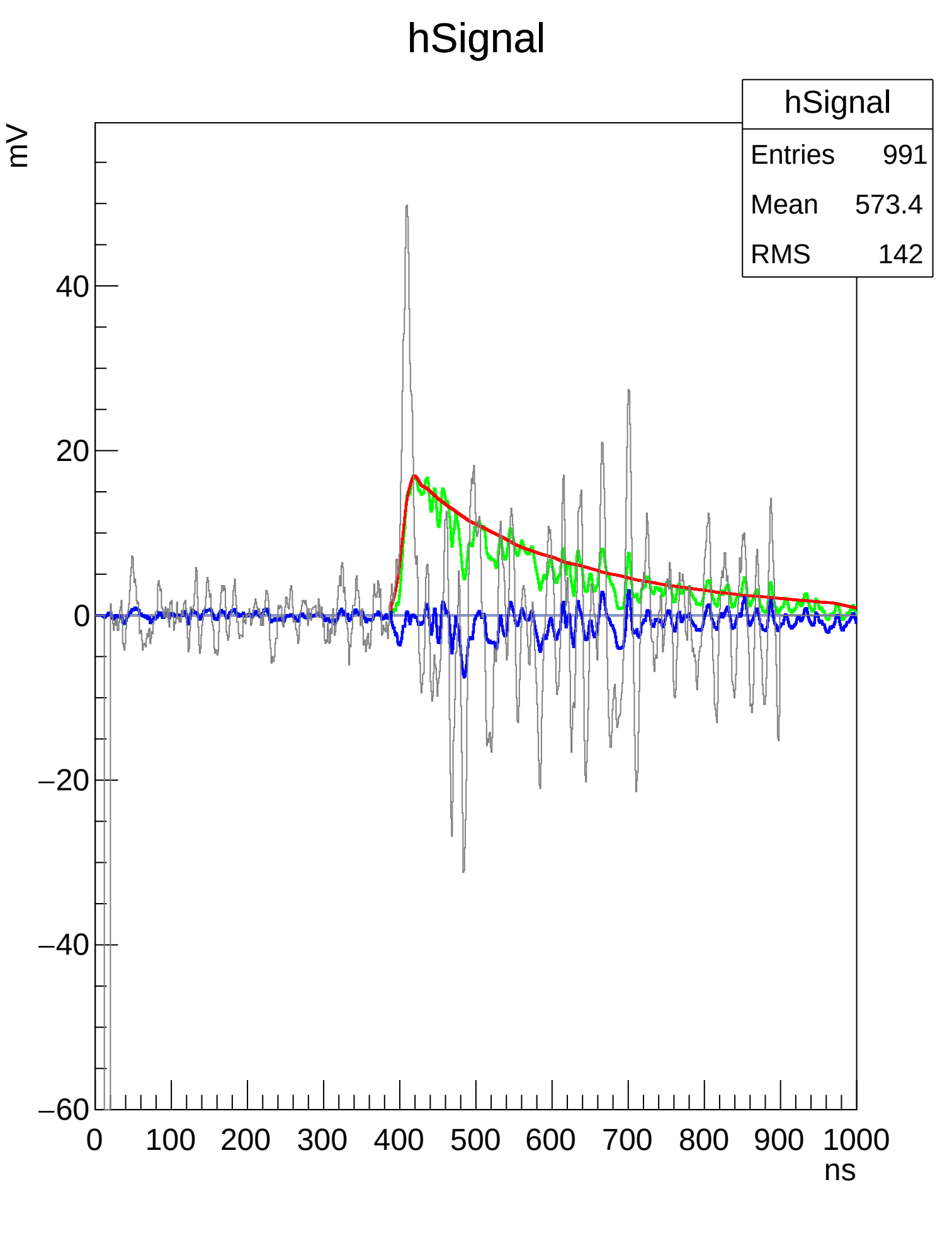
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.4
RMS 142
mV
40
20
0
−20
−40
−60
0
100
200
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400
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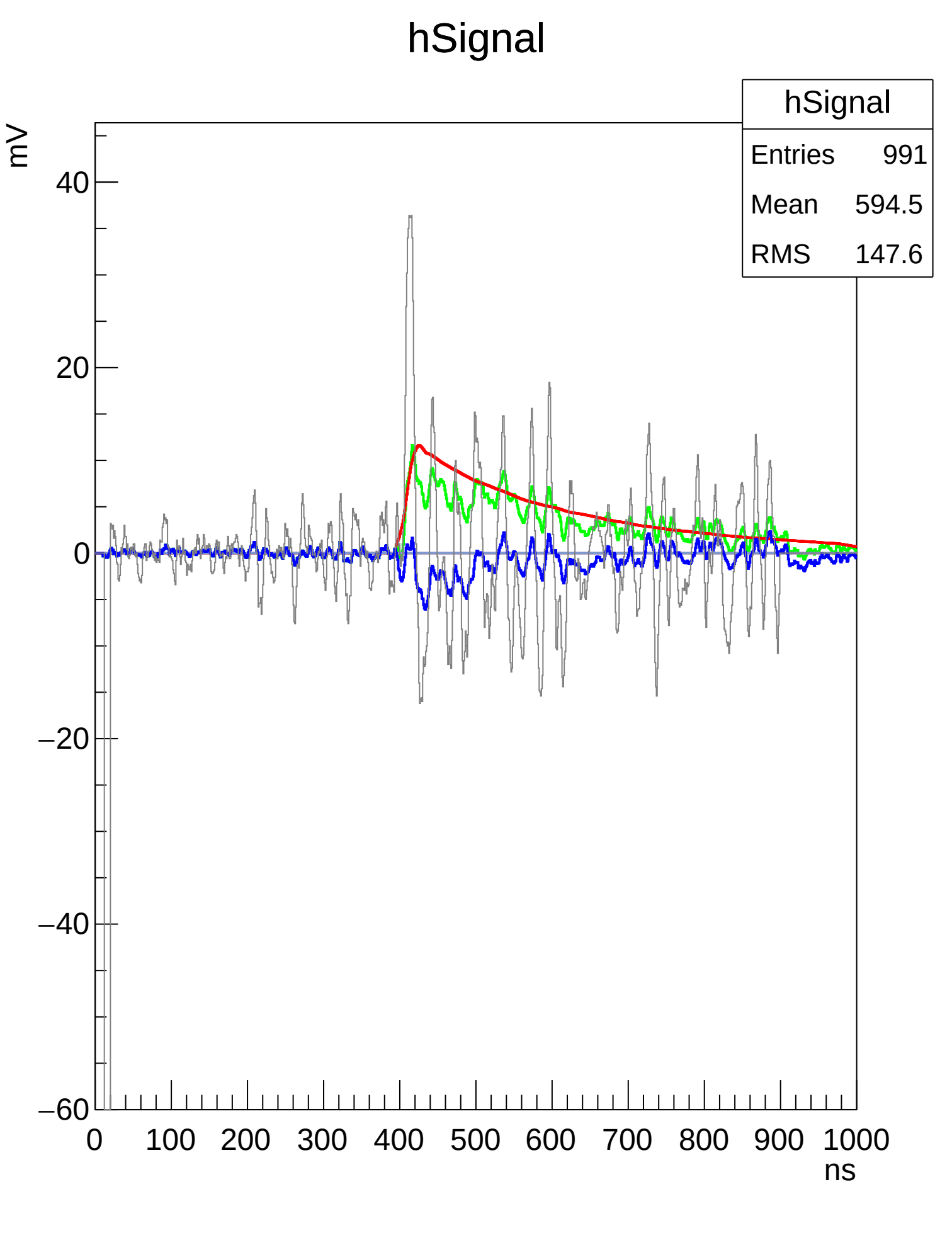
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.5
RMS 147.6
mV
40
20
0
−20
−40
−60
0
100
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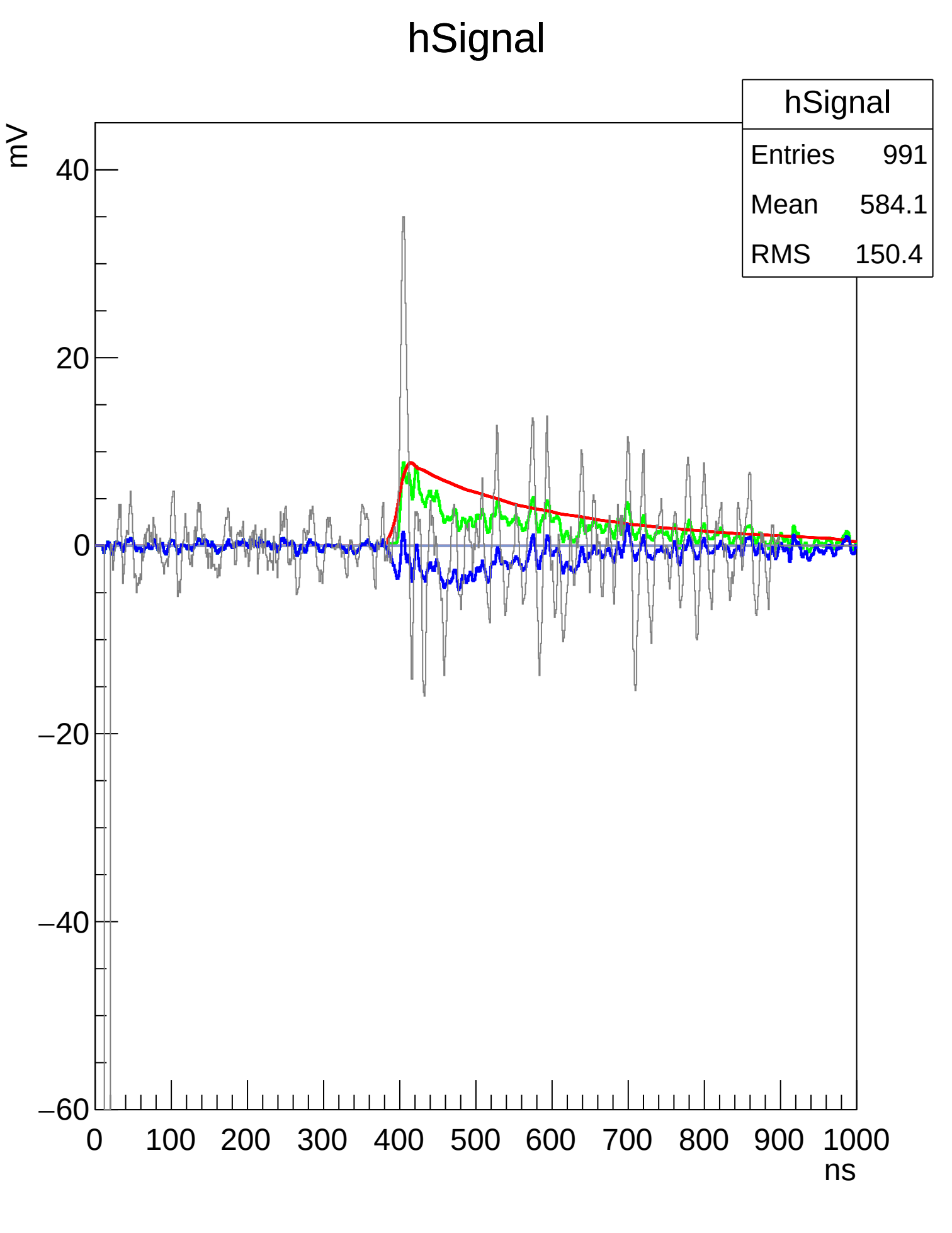
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 150.4
mV
40
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0
−20
−40
−60
0
100
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700
800
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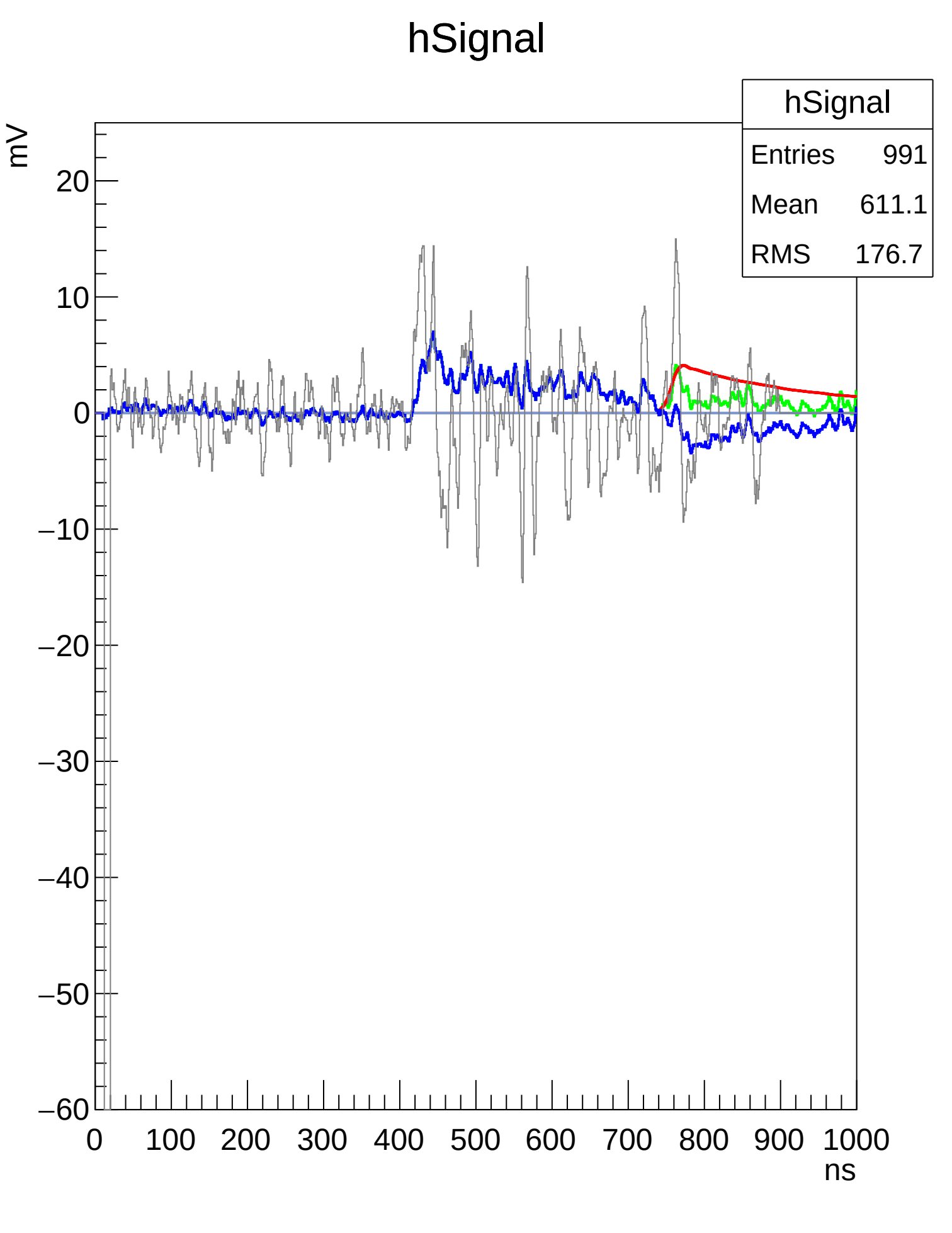
1000
ns


hSignal
hSignal
Entries 991
Mean 611.1
RMS 176.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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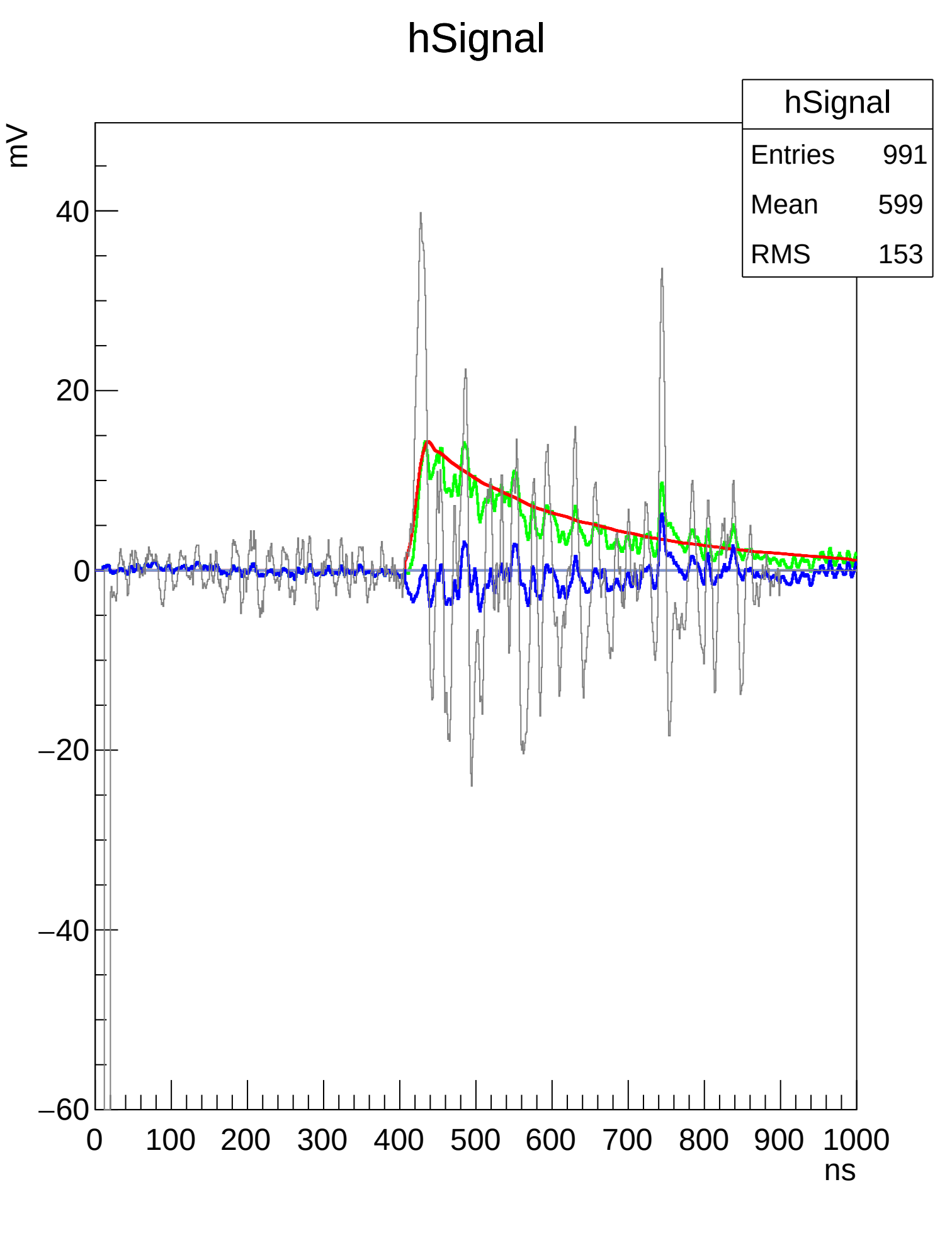
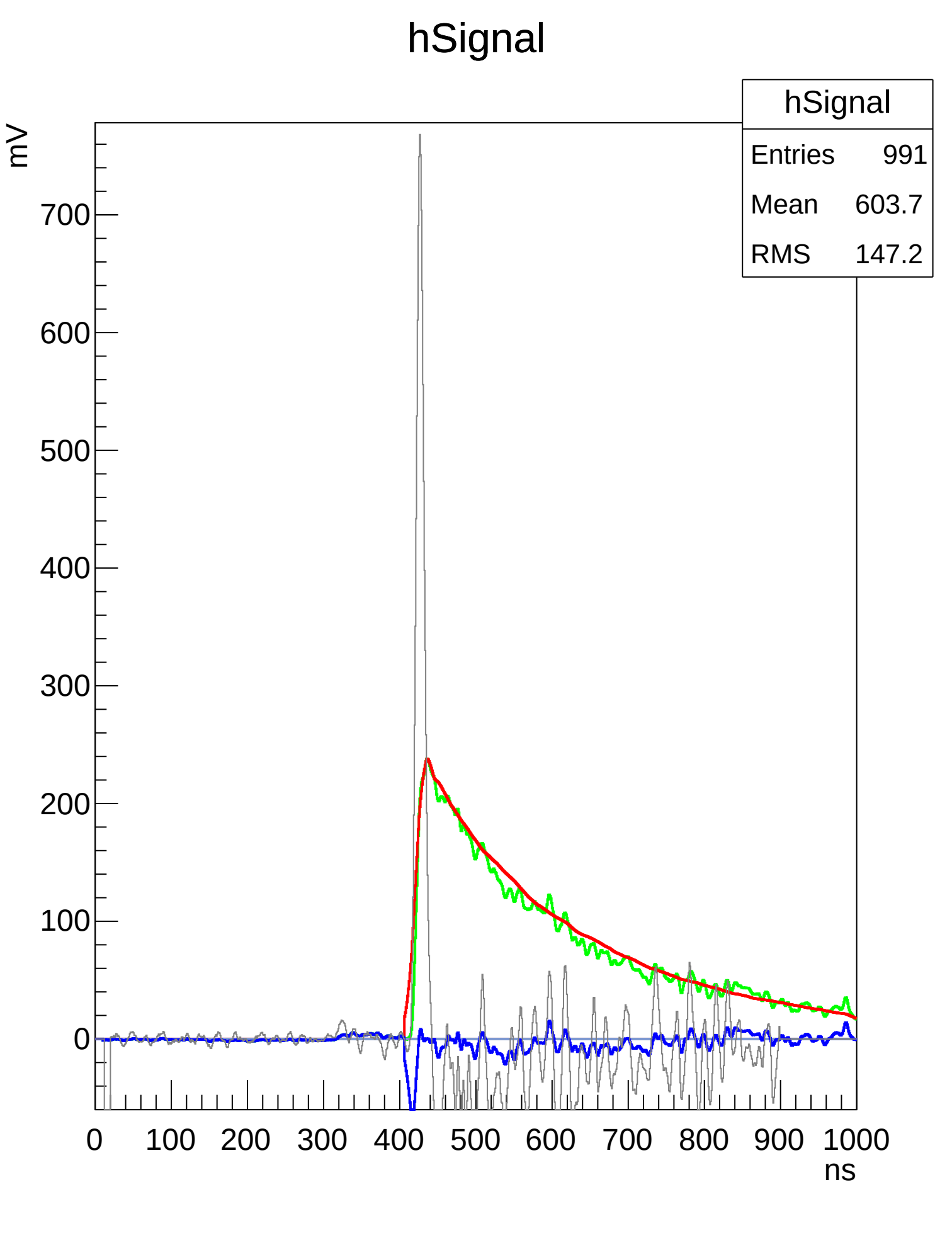
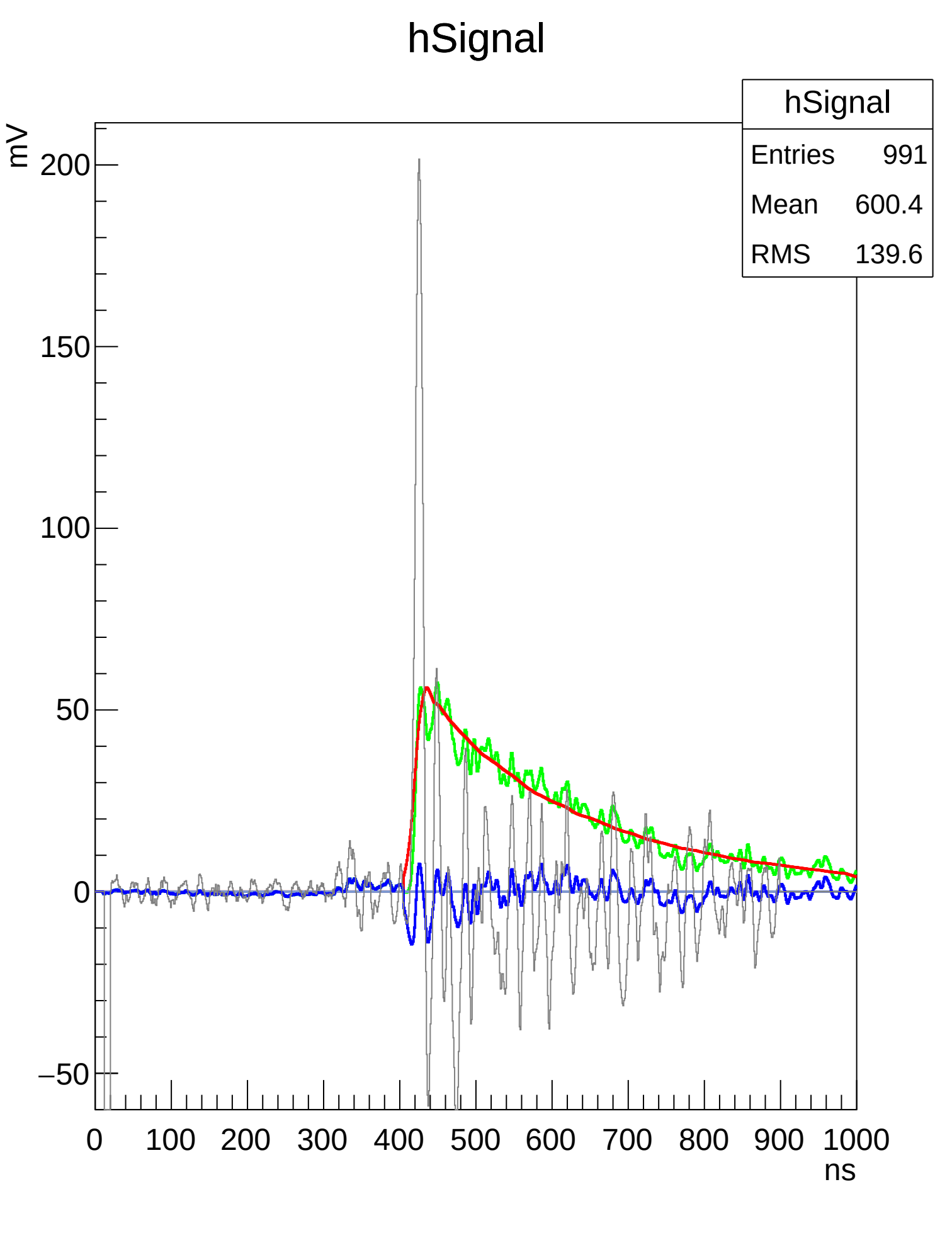
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599
RMS 153
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.7
RMS 147.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.4
RMS 139.6
mV
200
150
100
50
0
−50
0
100
200
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400
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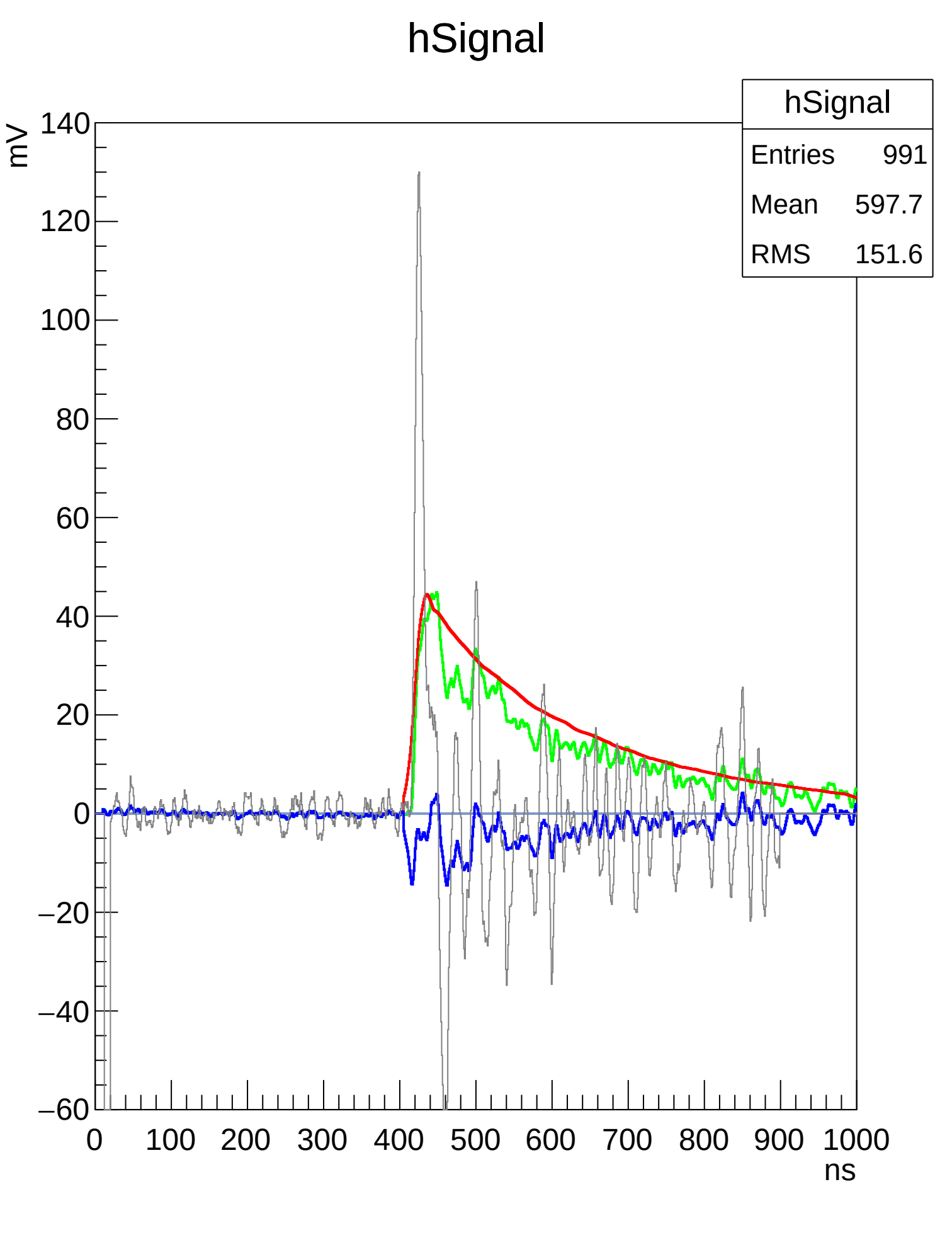
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 151.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
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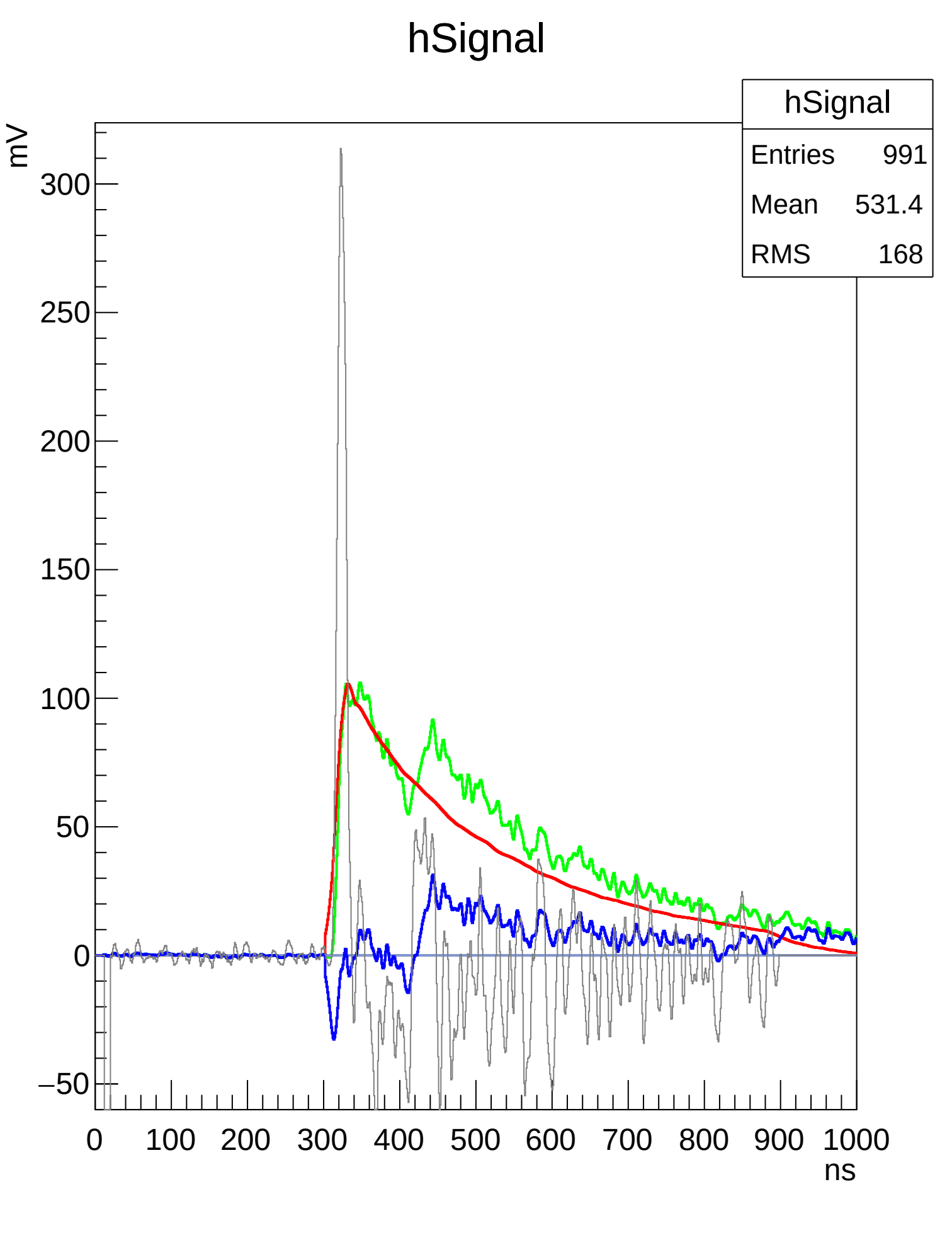
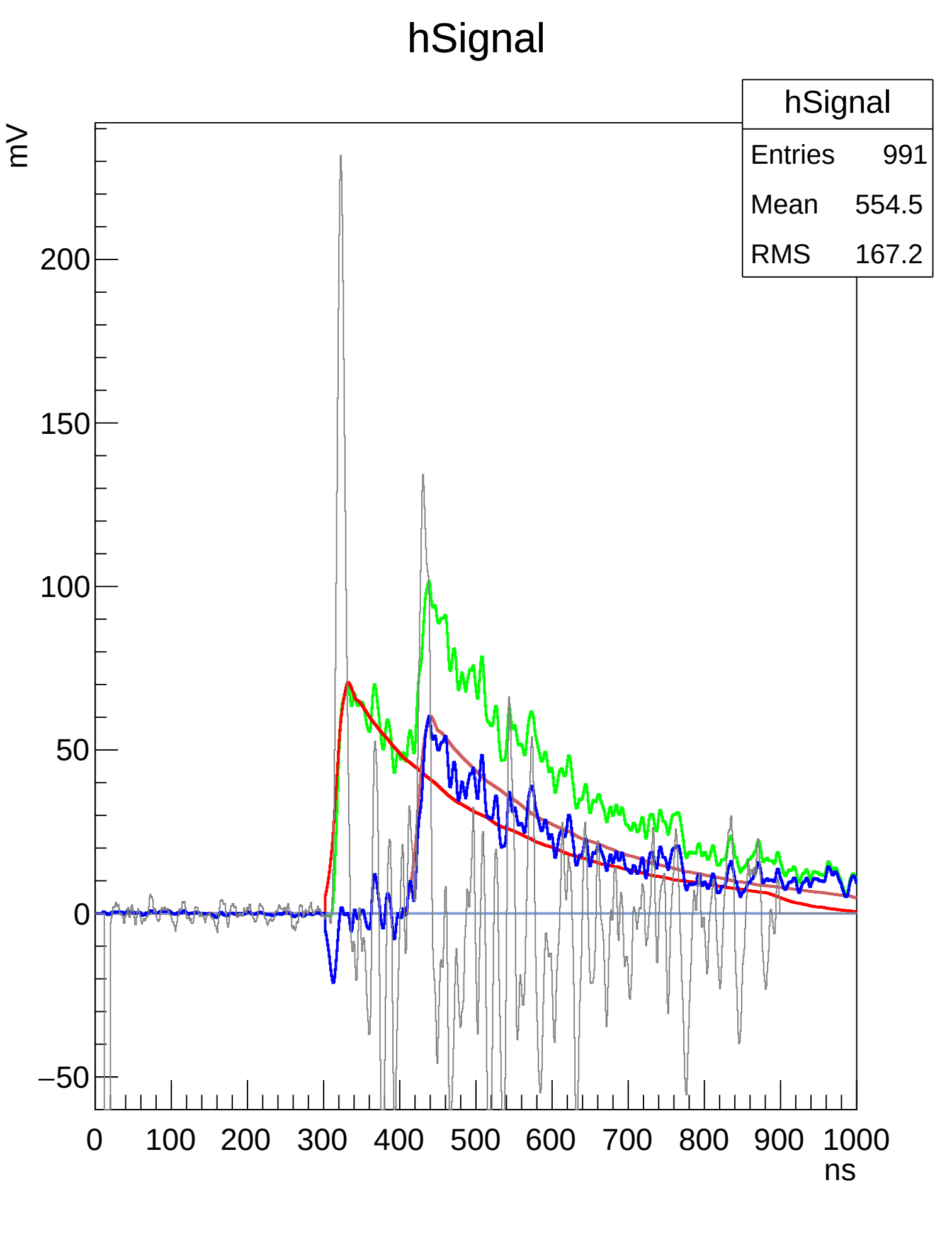
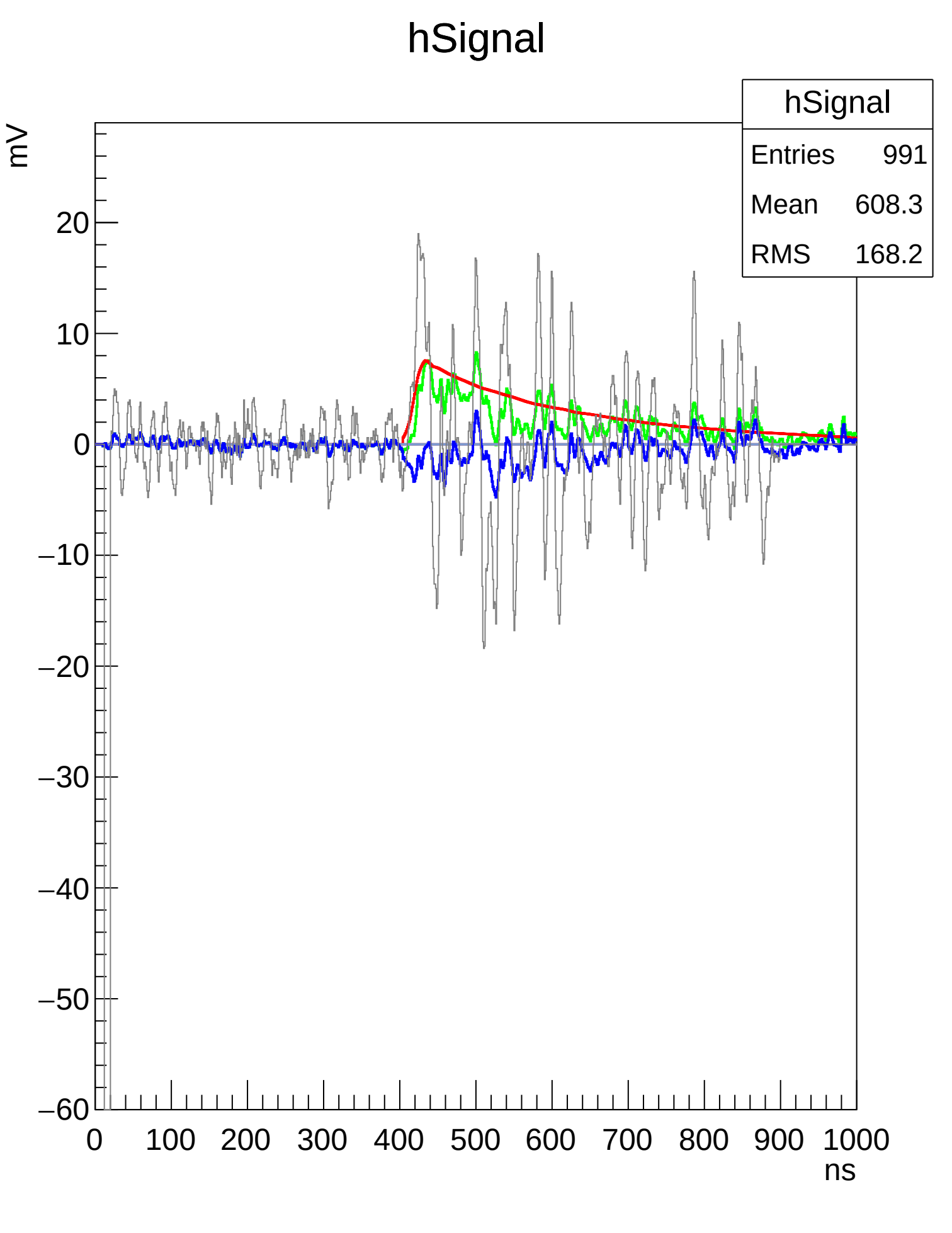
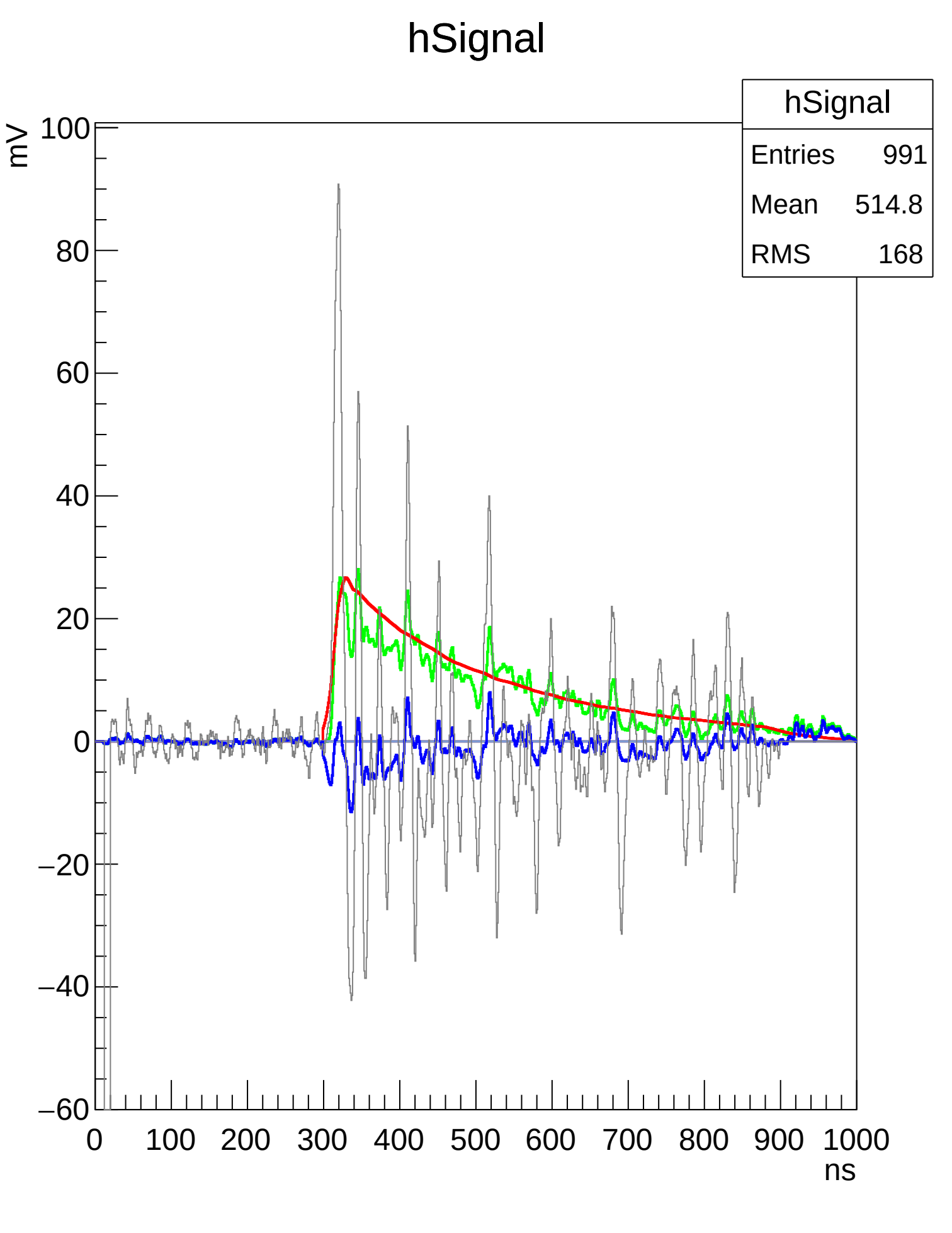
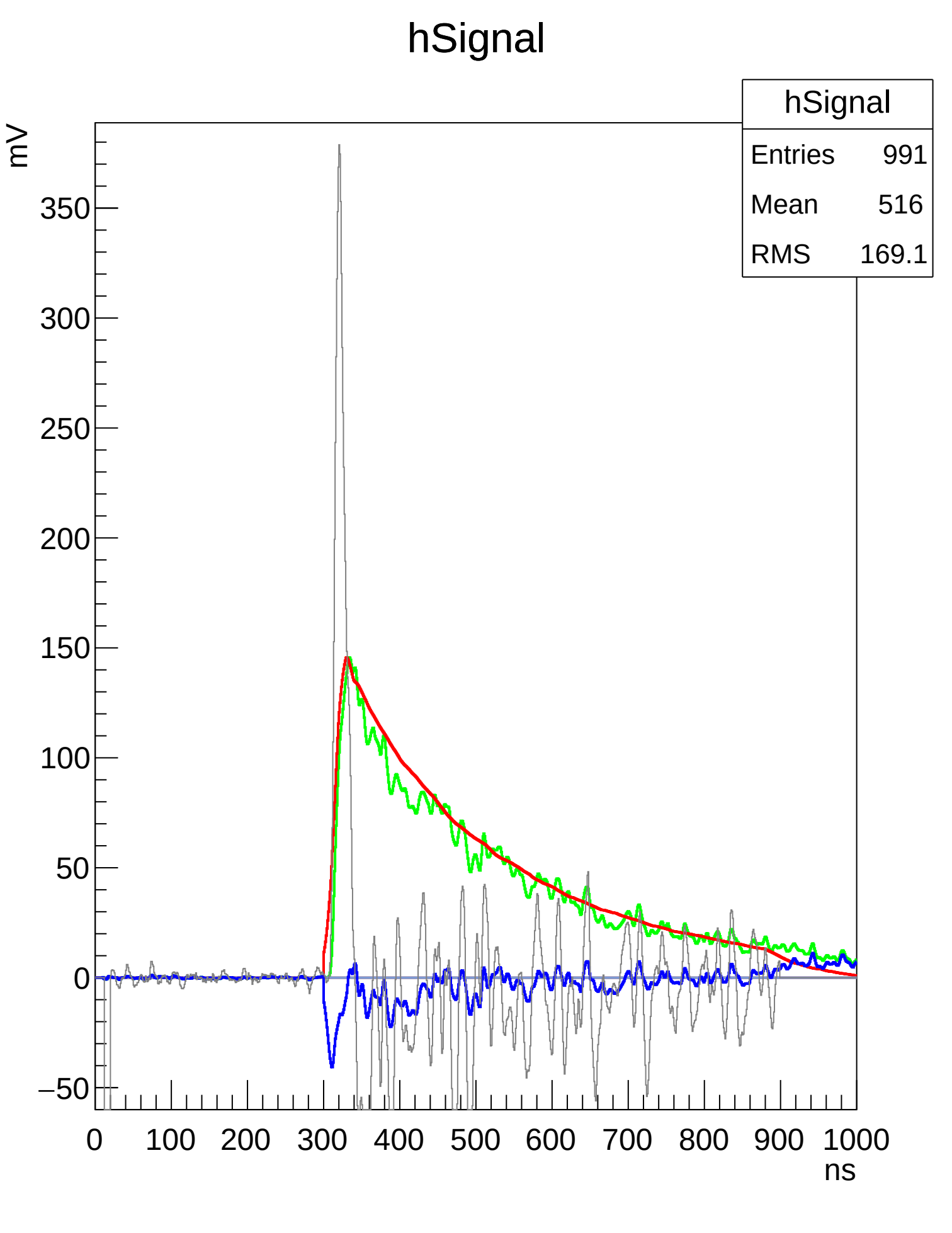
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.4
RMS 168
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.5
RMS 167.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.3
RMS 168.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.8
RMS 168
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516
RMS 169.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
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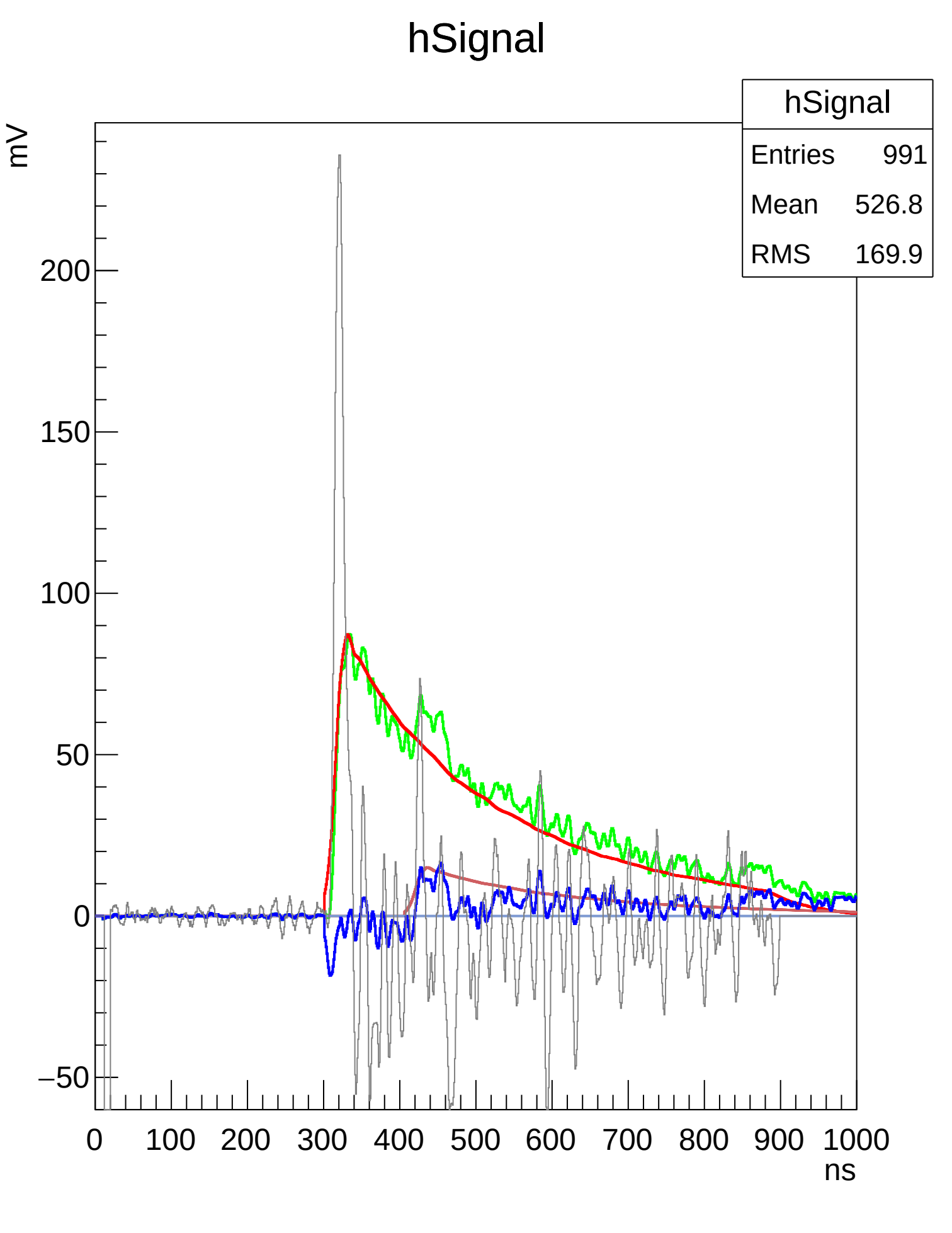
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.8
RMS 169.9
mV
200
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100
50
0
−50
0
100
200
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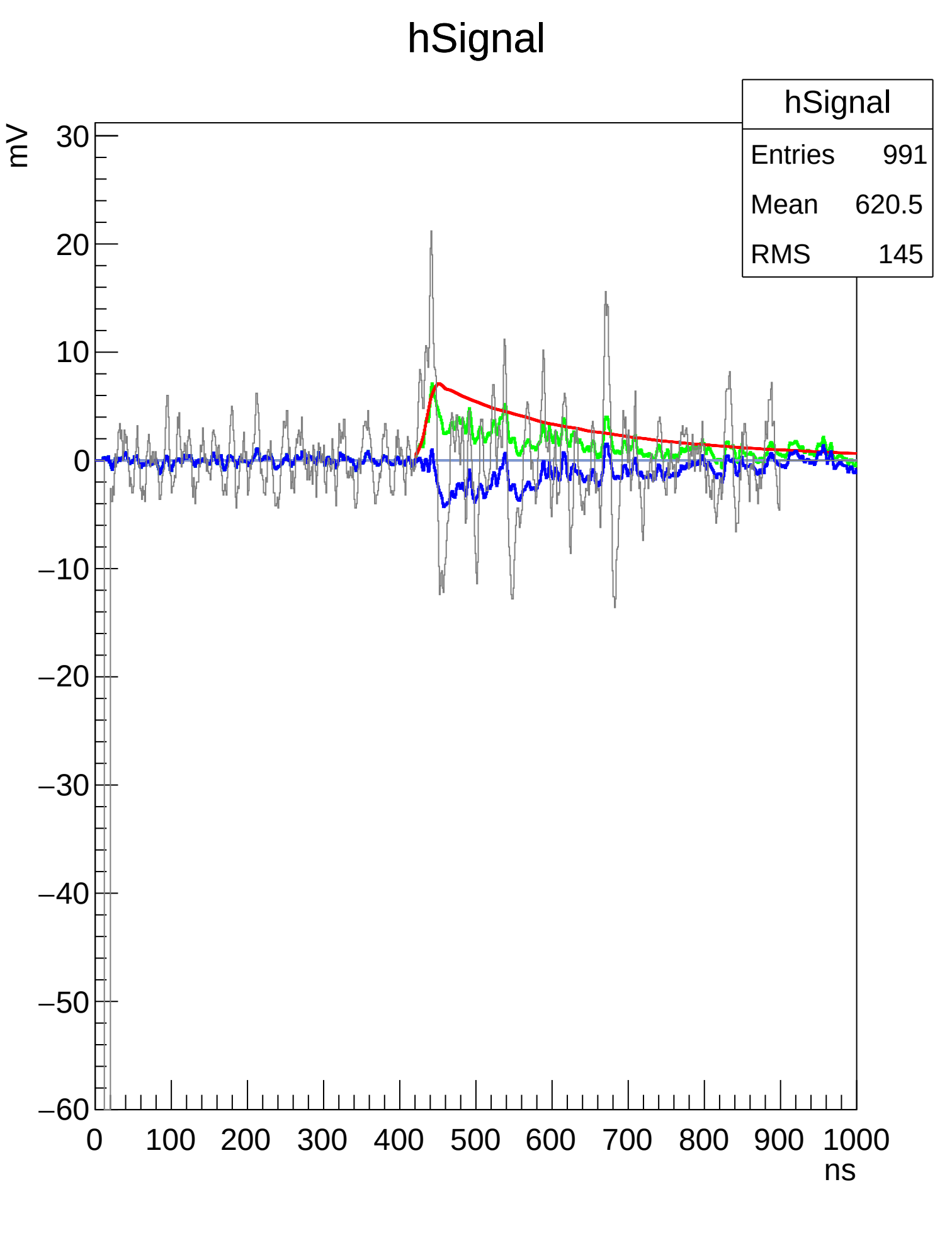
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.5
RMS 145
mV
30
20
10
0
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−20
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−40
−50
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0
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200
300
400
500
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800
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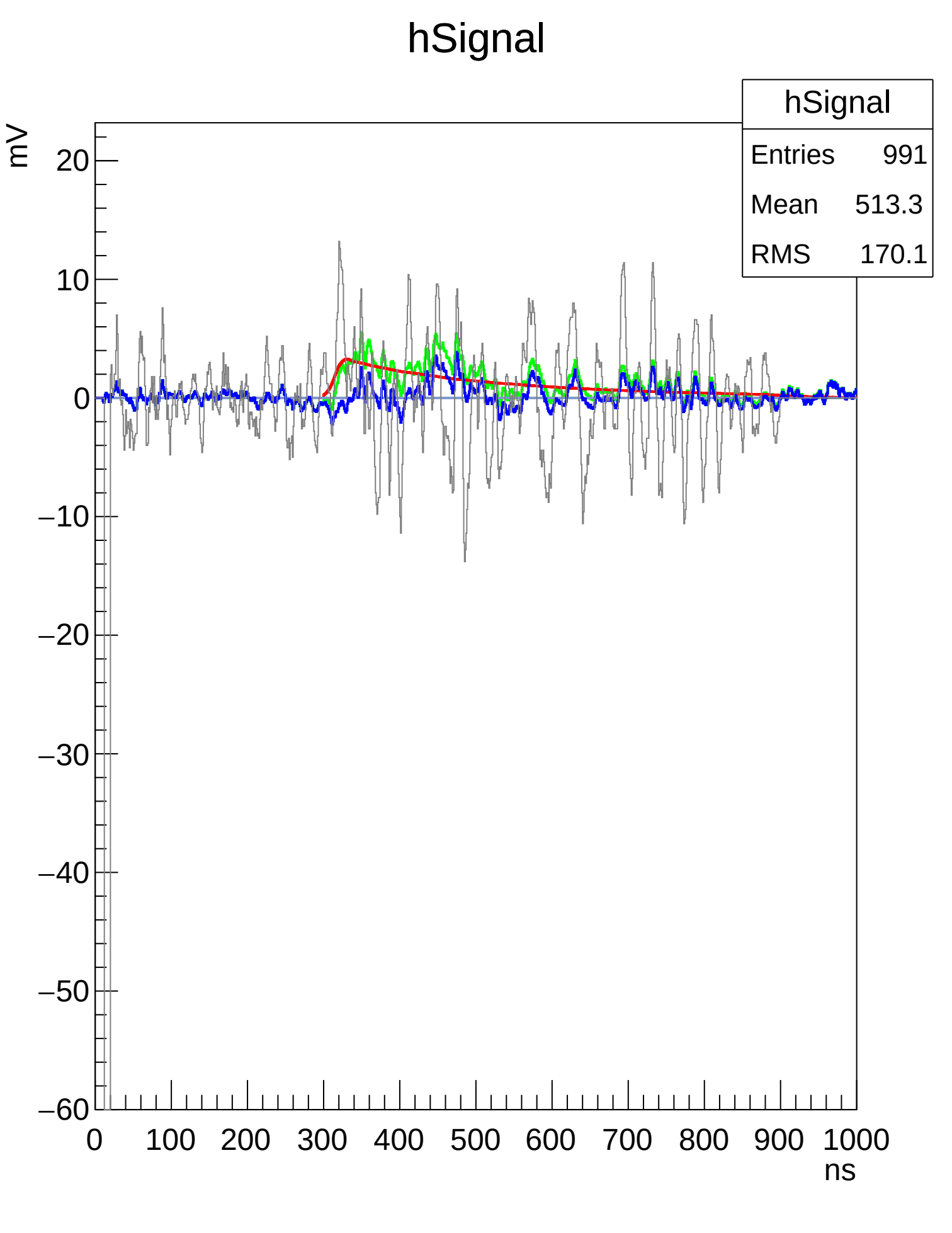
1000
ns


hSignal
hSignal
Entries 991
Mean 513.3
RMS 170.1
mV
20
10
0
−10
−20
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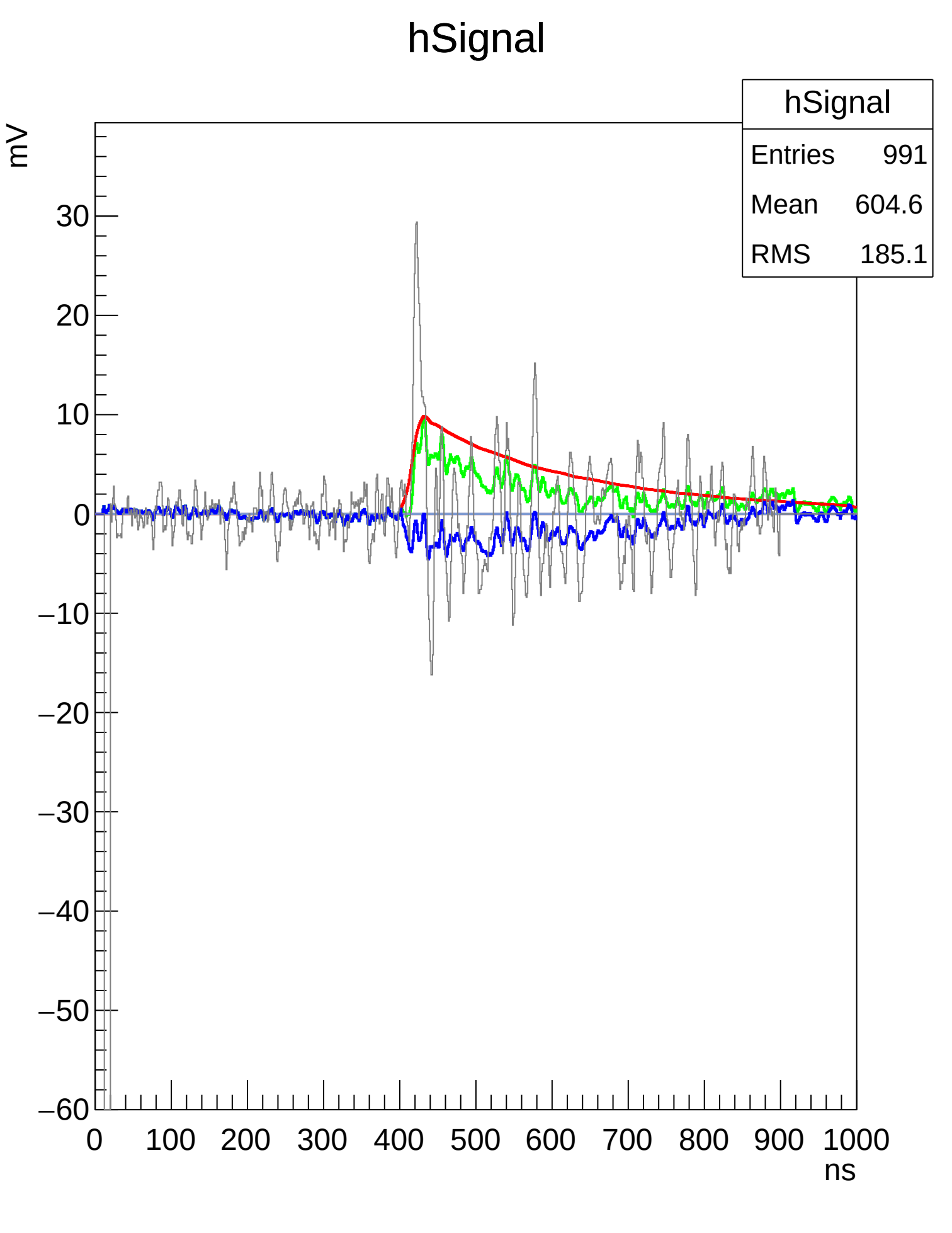
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.6
RMS 185.1
mV
30
20
10
0
−10
−20
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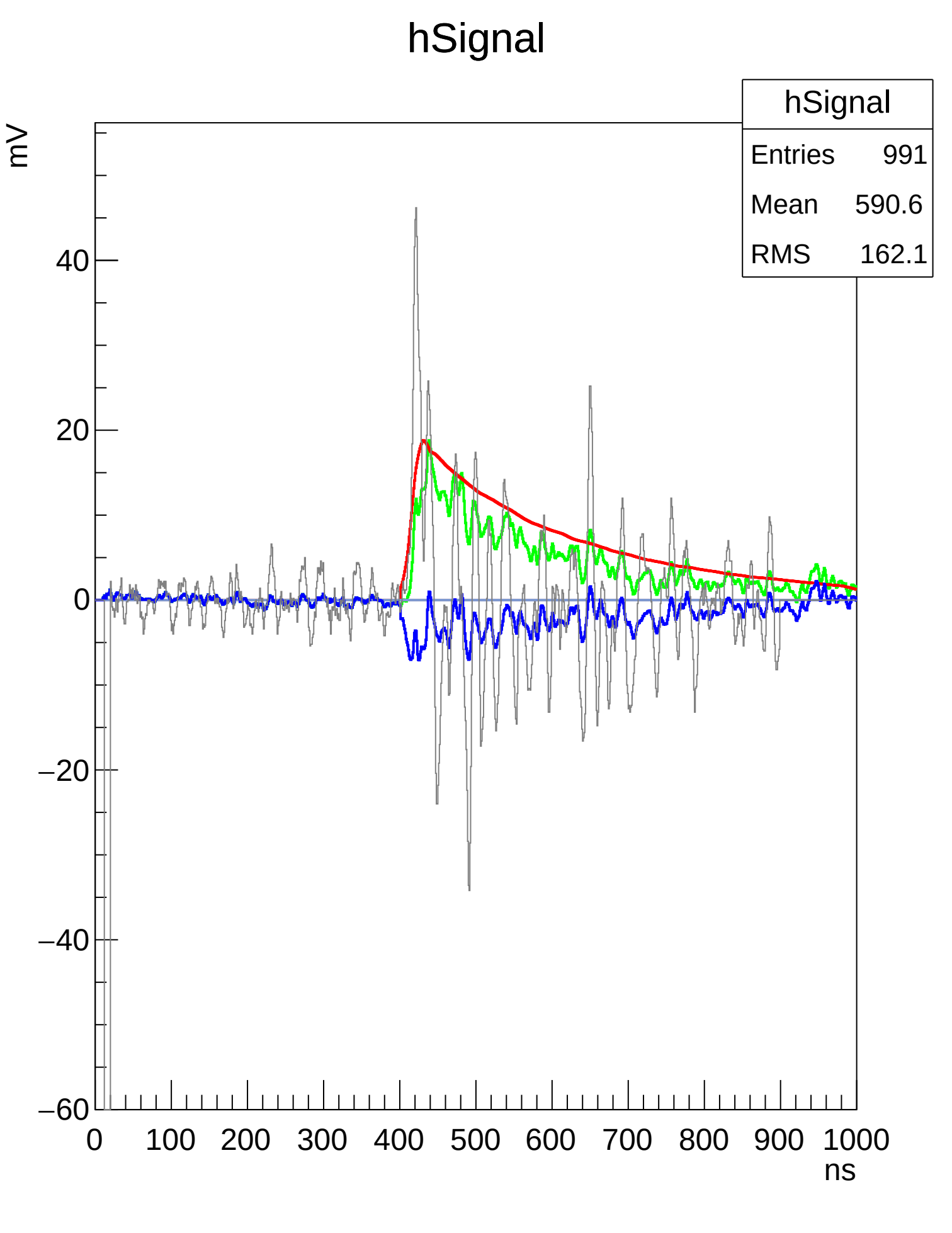
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.6
RMS 162.1
mV
40
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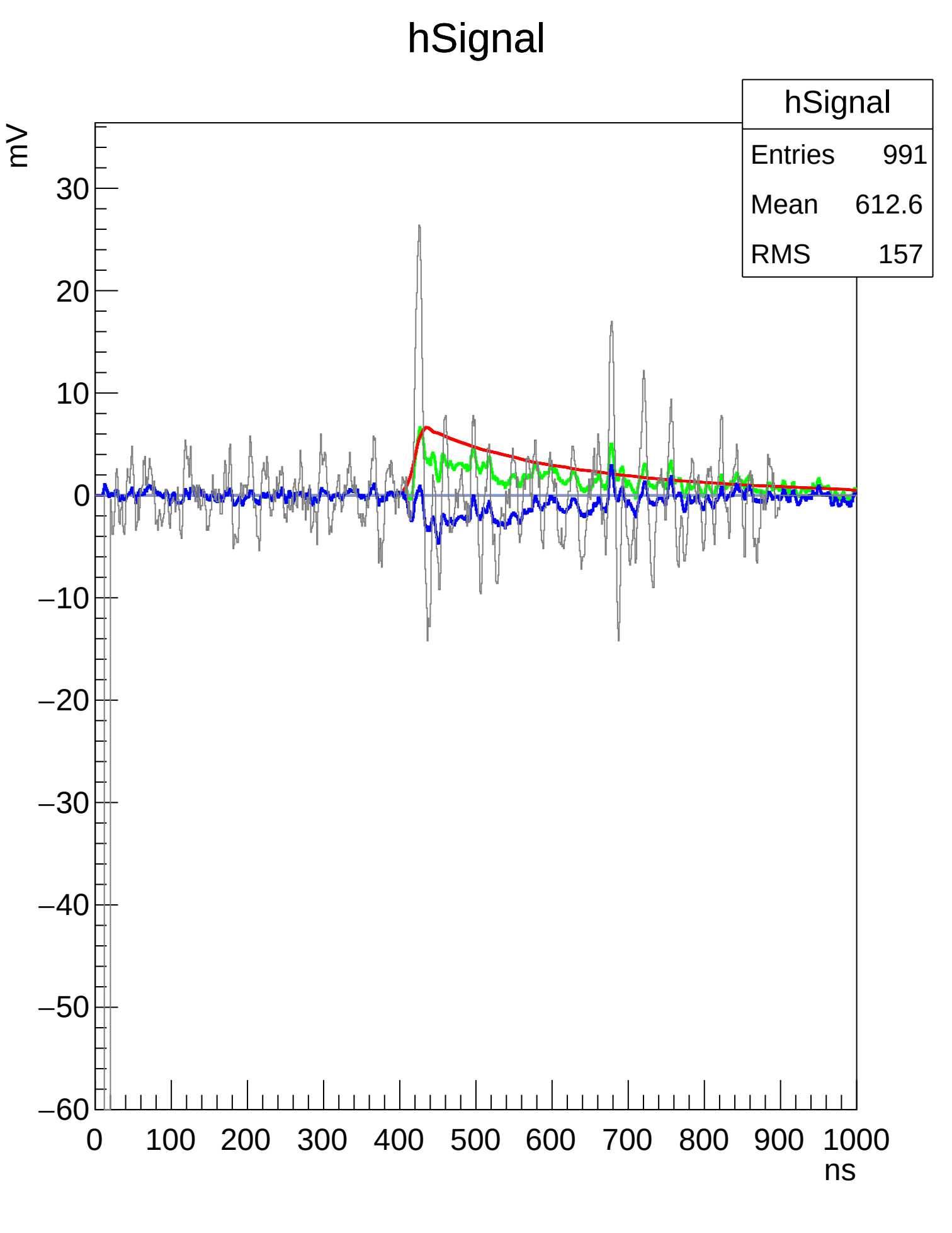
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.6
RMS 157
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
500
600
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800
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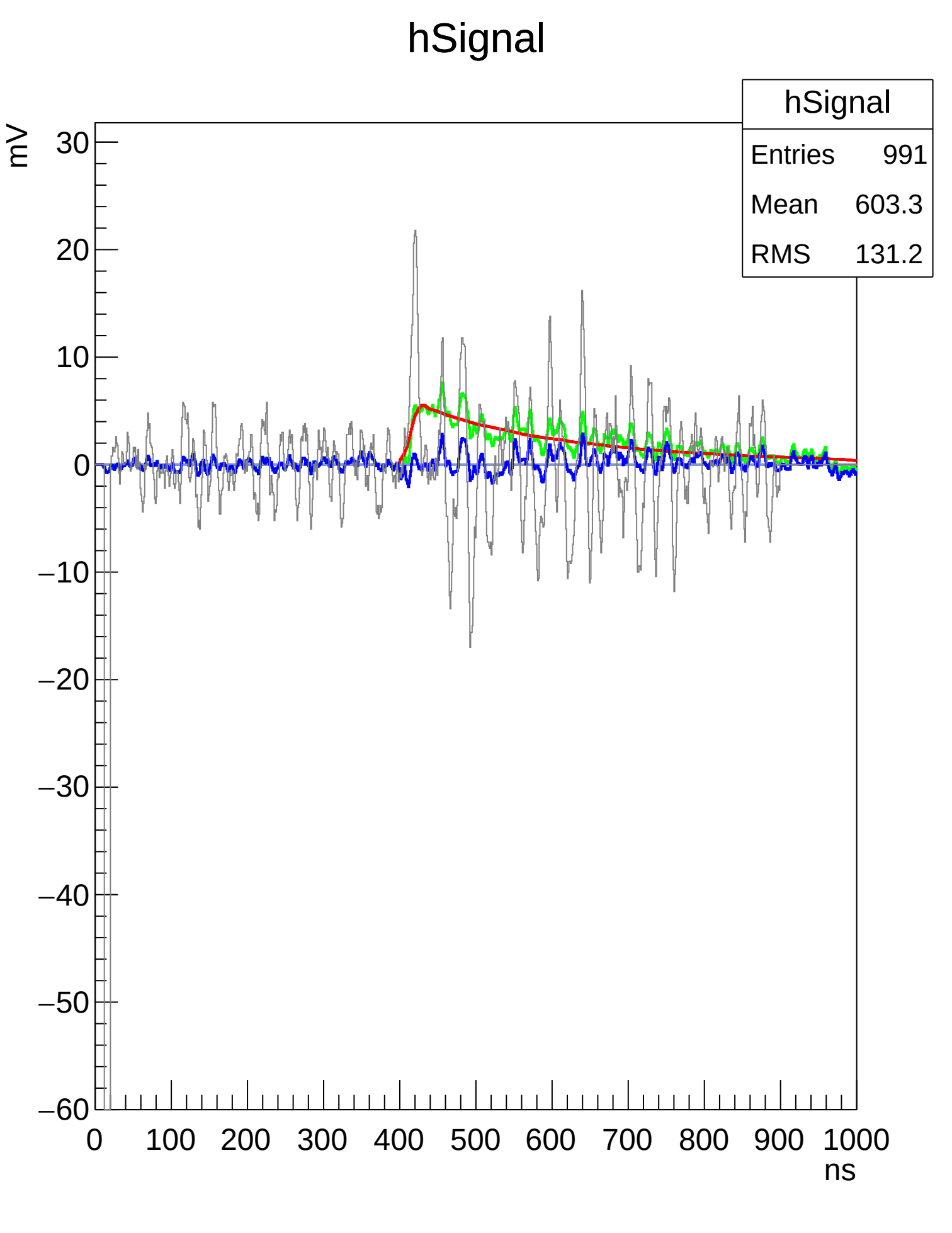
1000
ns


hSignal
hSignal
Entries 991
Mean 603.3
RMS 131.2
mV
30
20
10
0
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0
100
200
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400
500
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800
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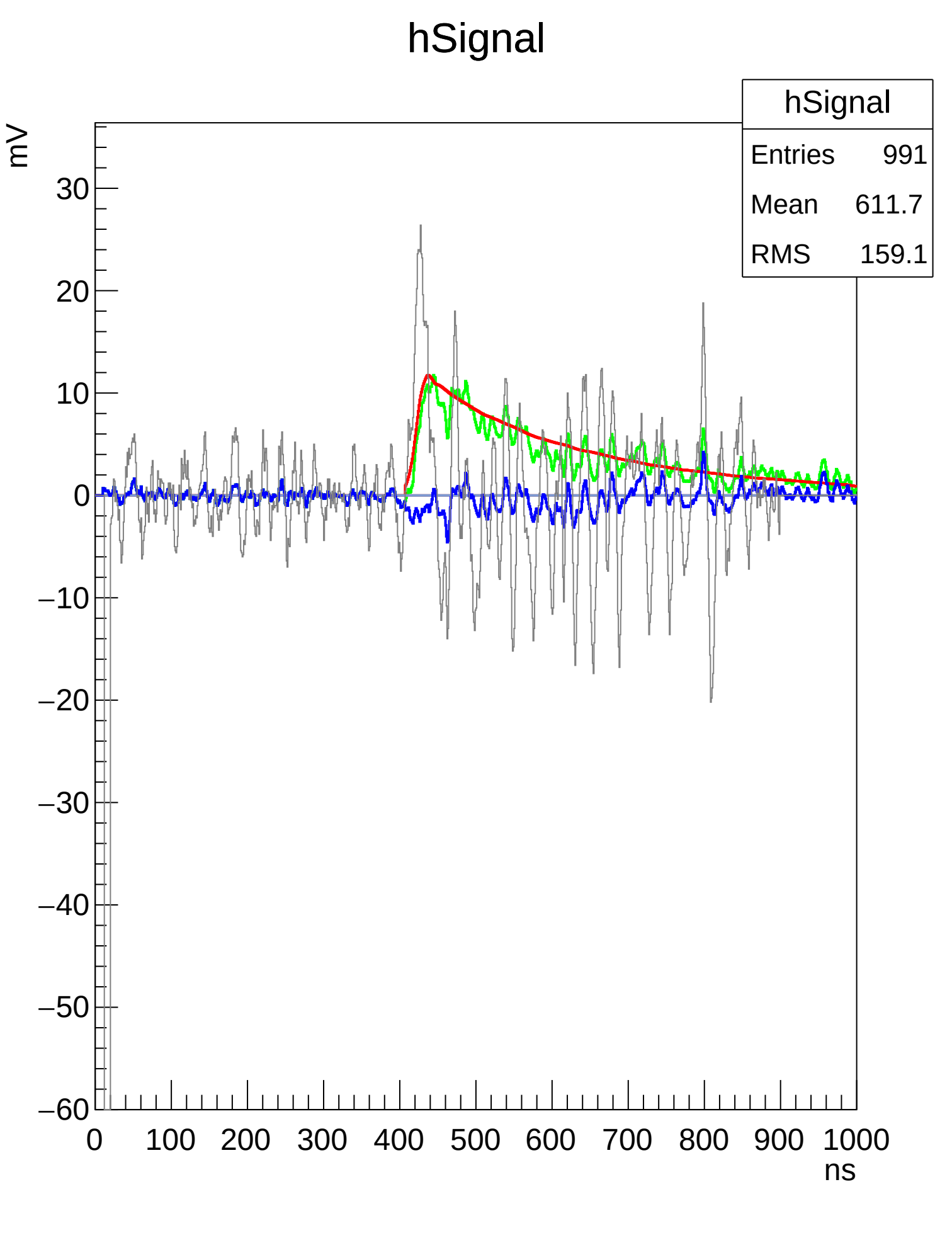
1000
ns


hSignal
hSignal
Entries 991
Mean 611.7
RMS 159.1
mV
30
20
10
0
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0
100
200
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800
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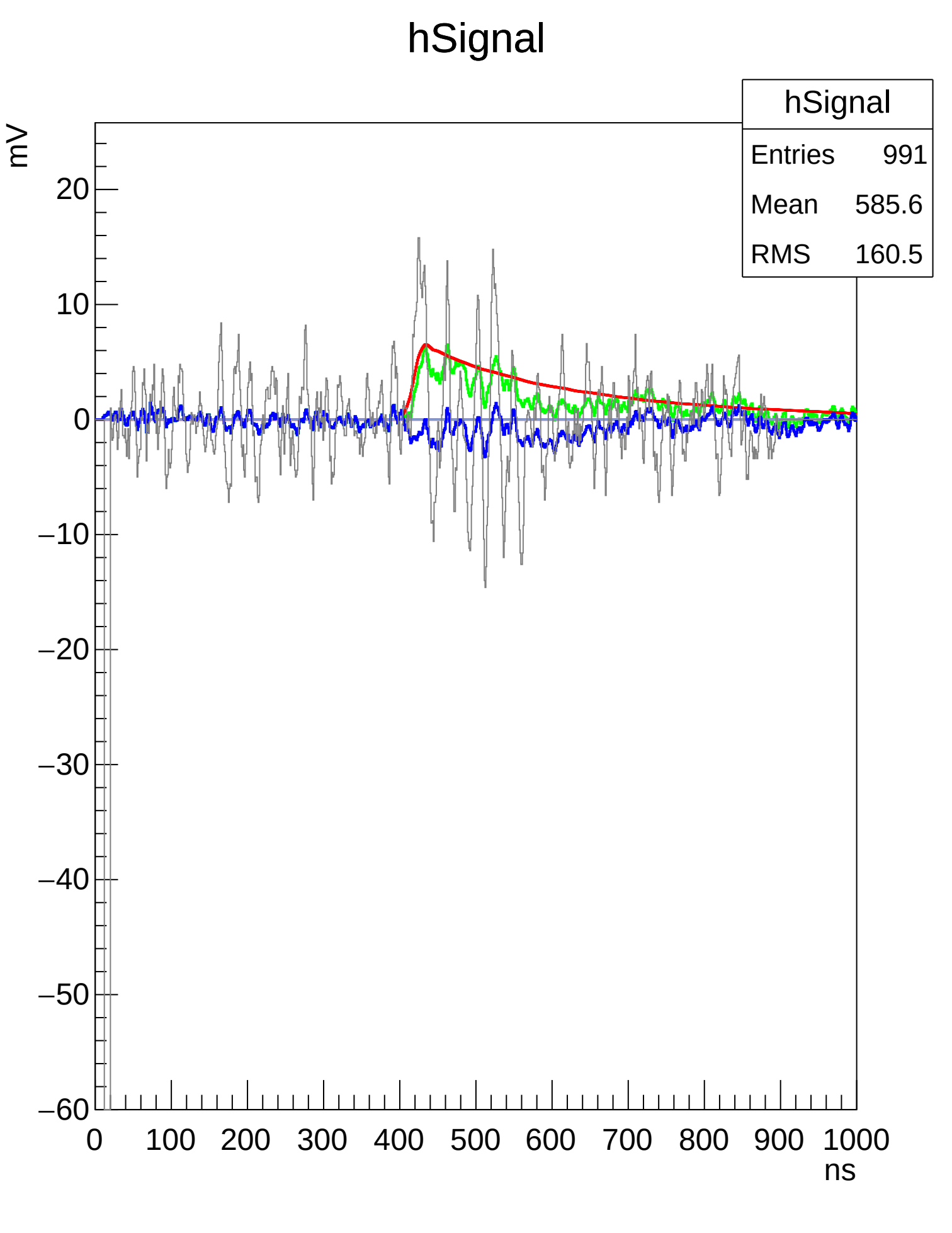
hSignal
hSignal
Entries 991
Mean 585.6
RMS 160.5
mV
20
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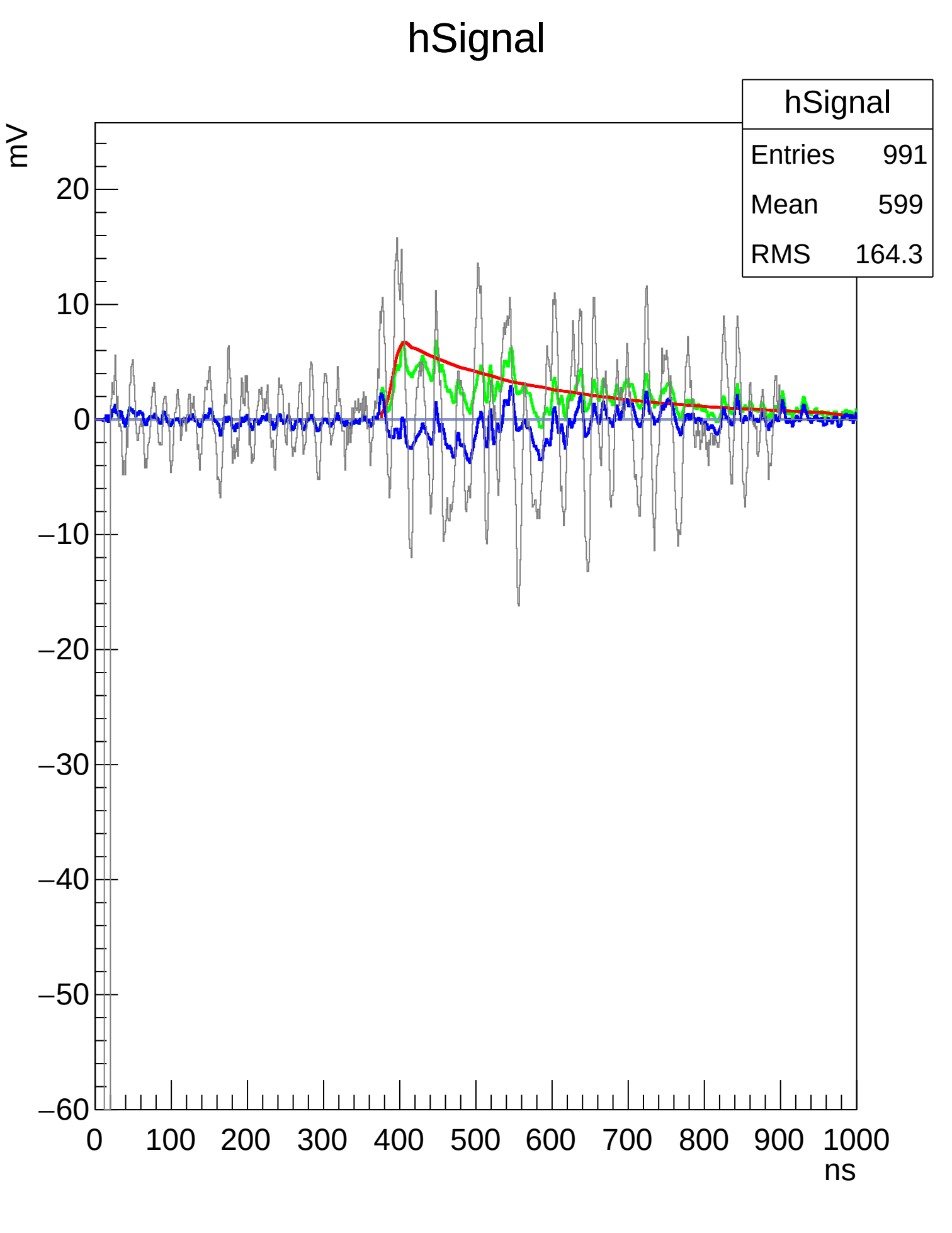
hSignal
hSignal
Entries 991
Mean 599
RMS 164.3
mV
20
10
0
−10
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−40
−50
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800
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1000
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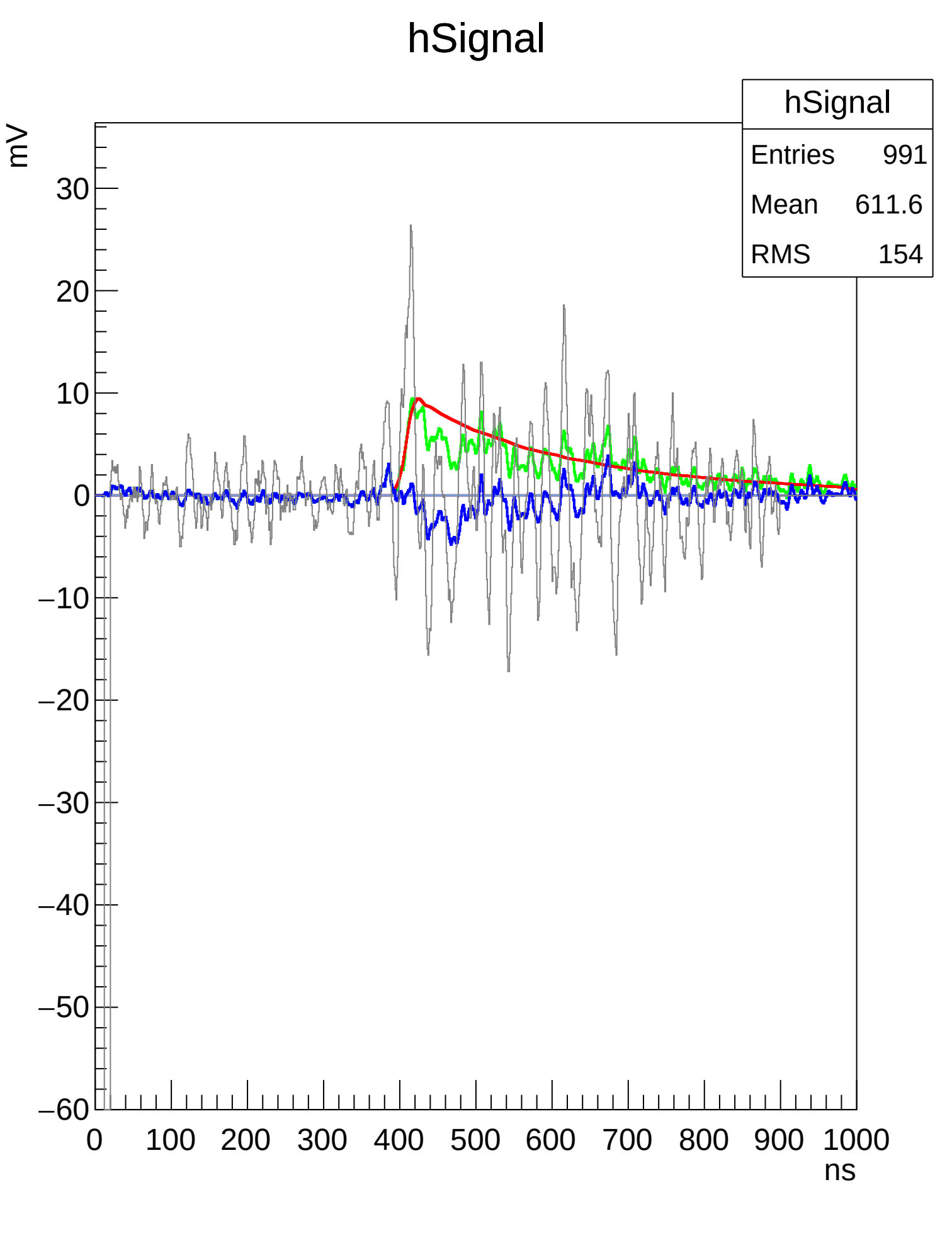
hSignal
hSignal
Entries 991
Mean 611.6
RMS 154
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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800
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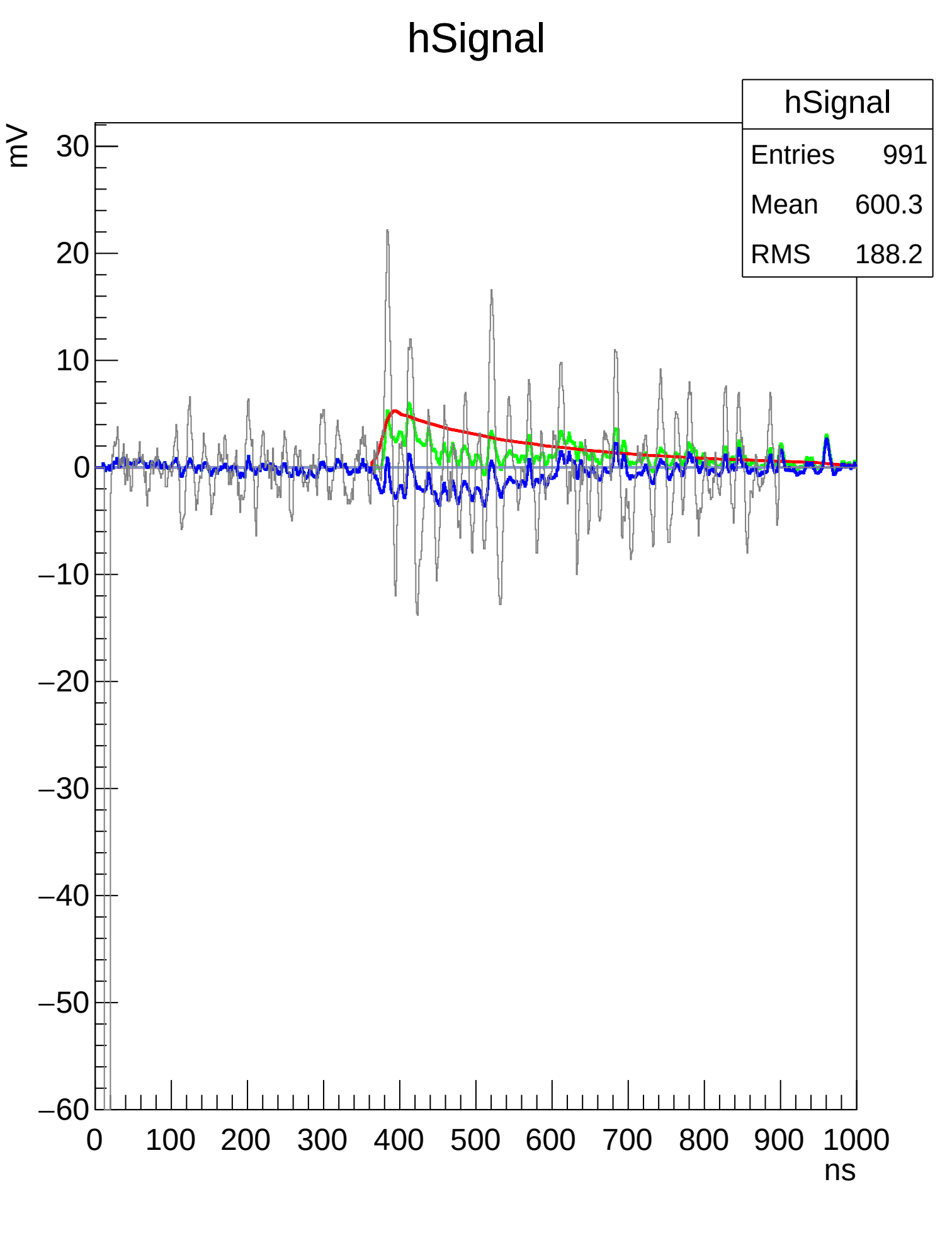
1000
ns


hSignal
hSignal
Entries 991
Mean 600.3
RMS 188.2
mV
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20
10
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400
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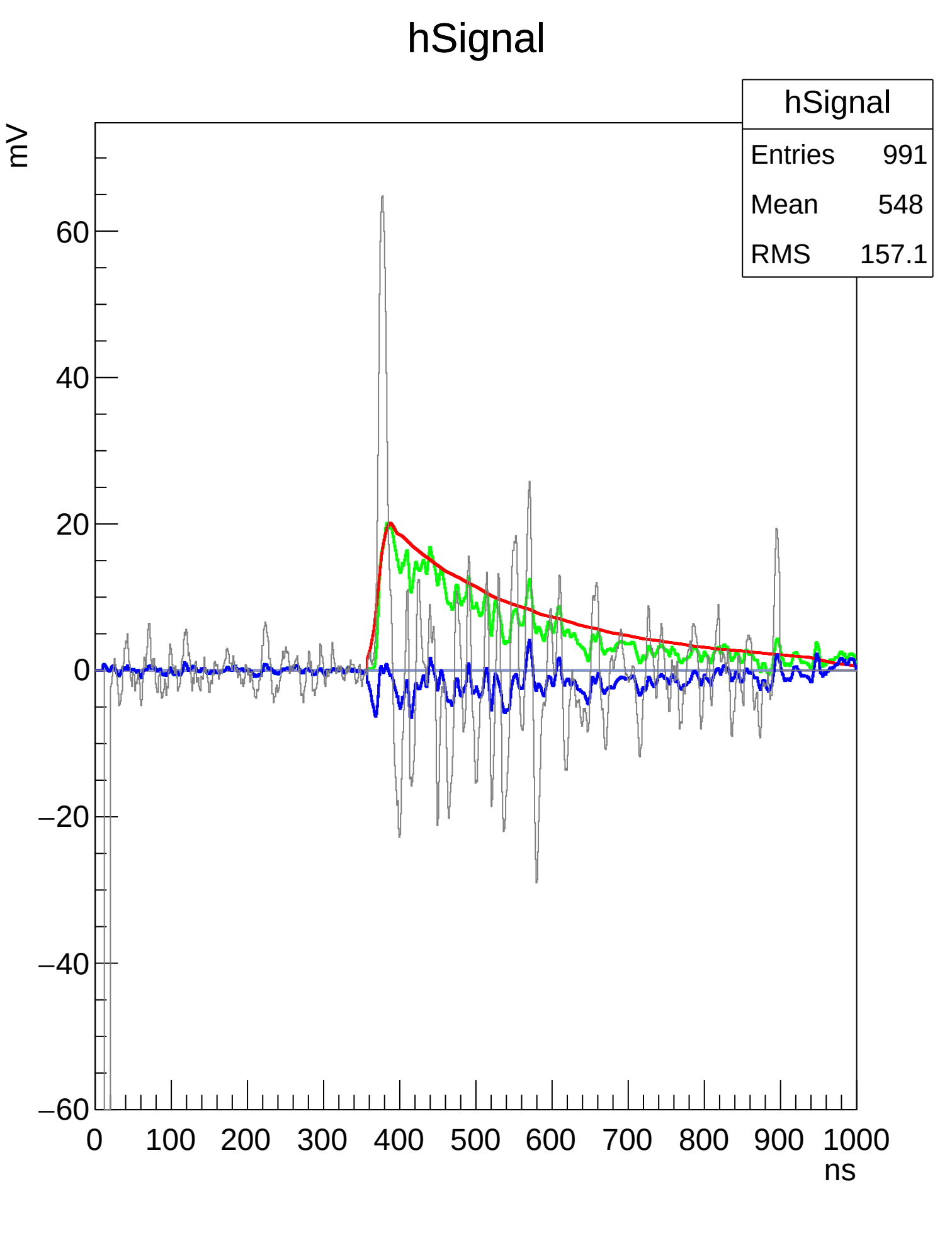
hSignal
hSignal
Entries 991
Mean 548
RMS 157.1
mV
60
40
20
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−20
−40
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0
100
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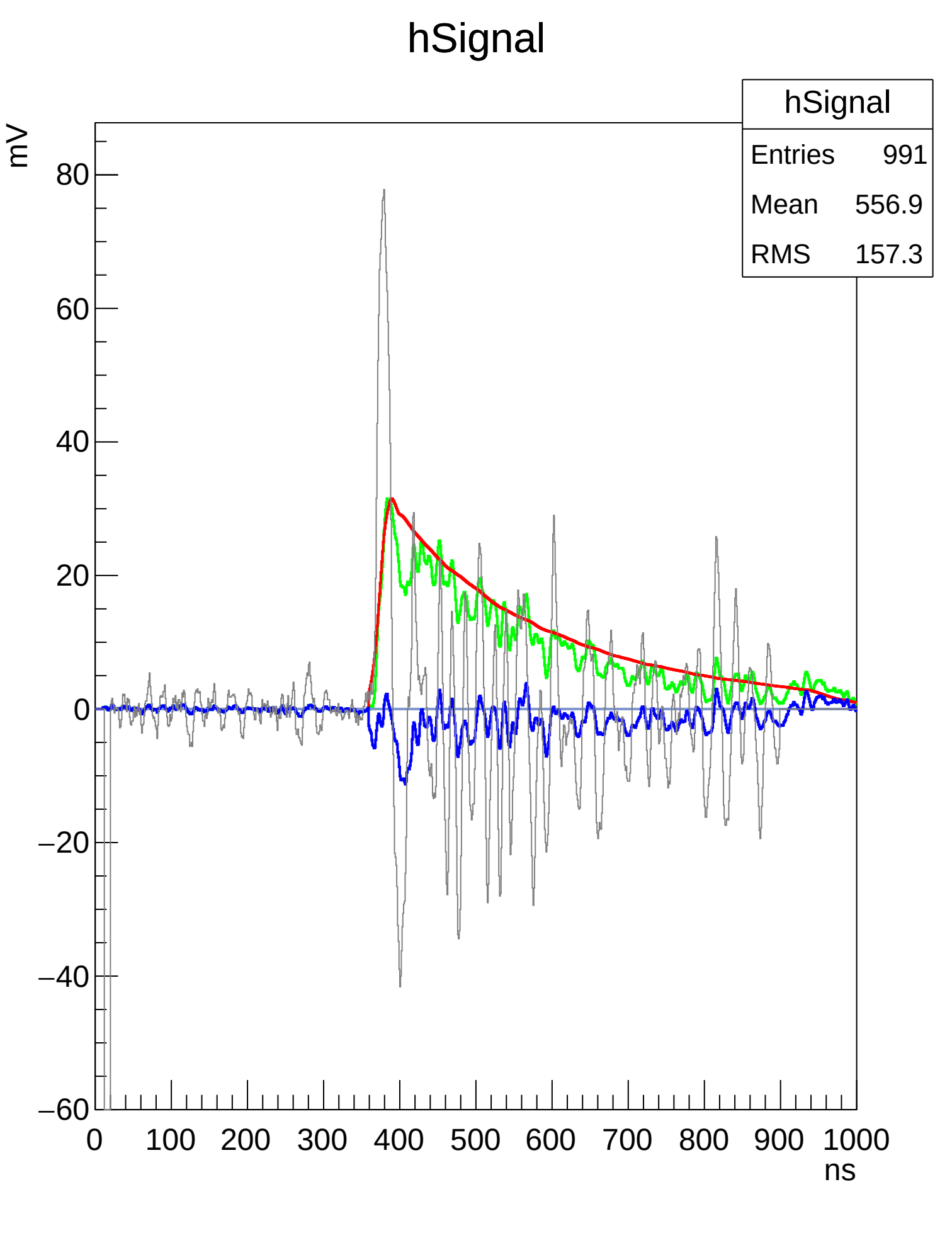
1000
ns


hSignal
hSignal
Entries 991
Mean 556.9
RMS 157.3
mV
80
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40
20
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−20
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−60
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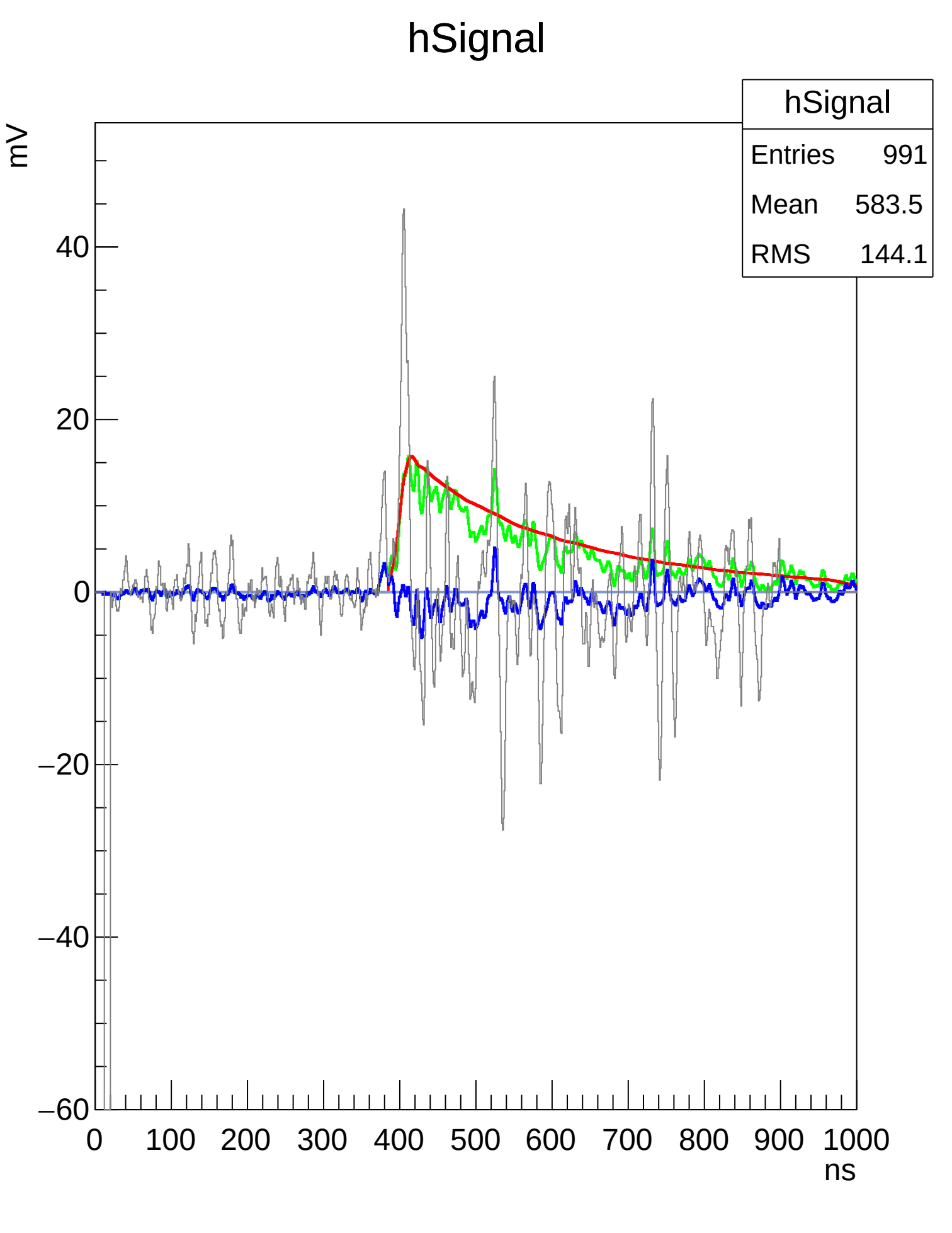
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.5
RMS 144.1
mV
40
20
0
−20
−40
−60
0
100
200
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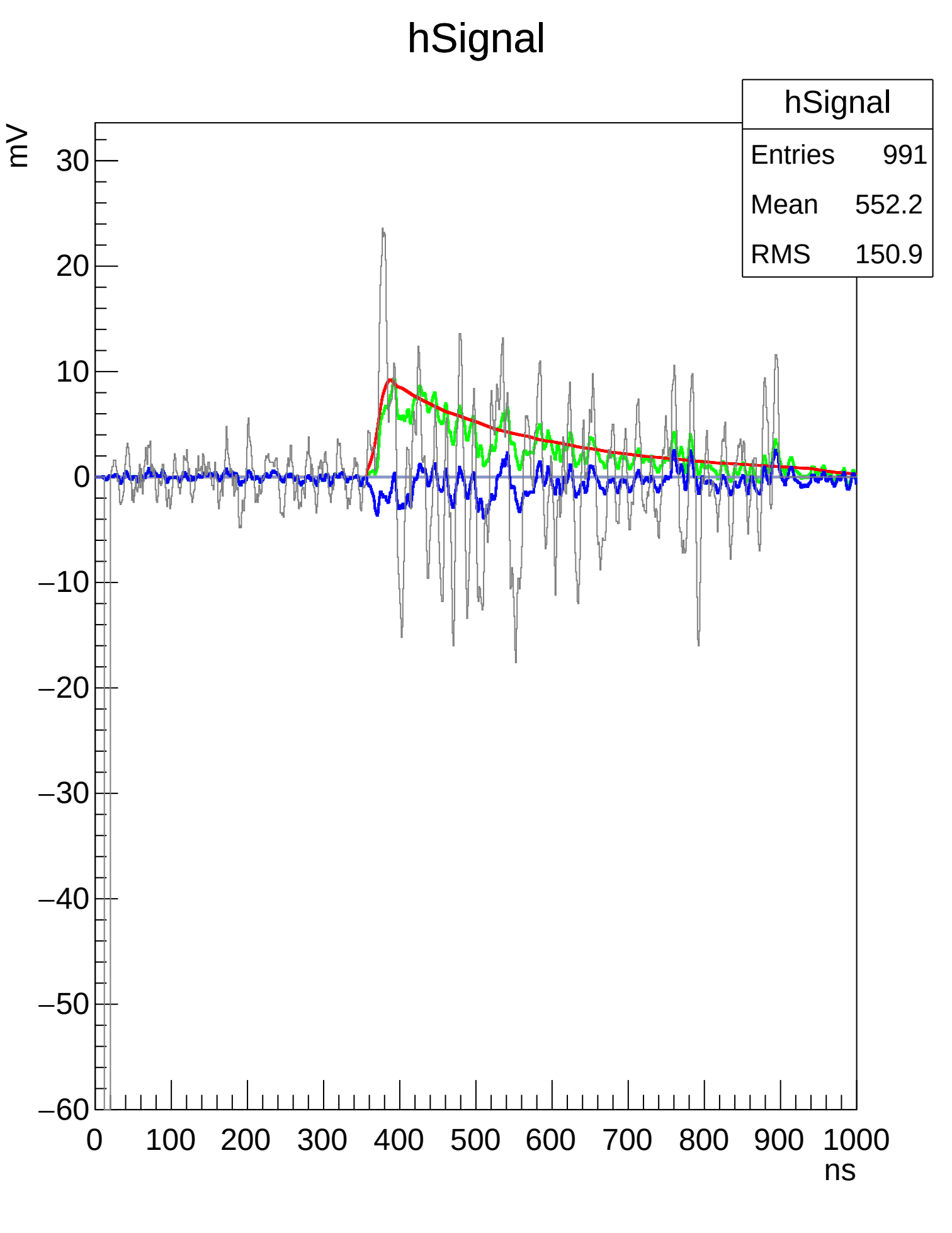
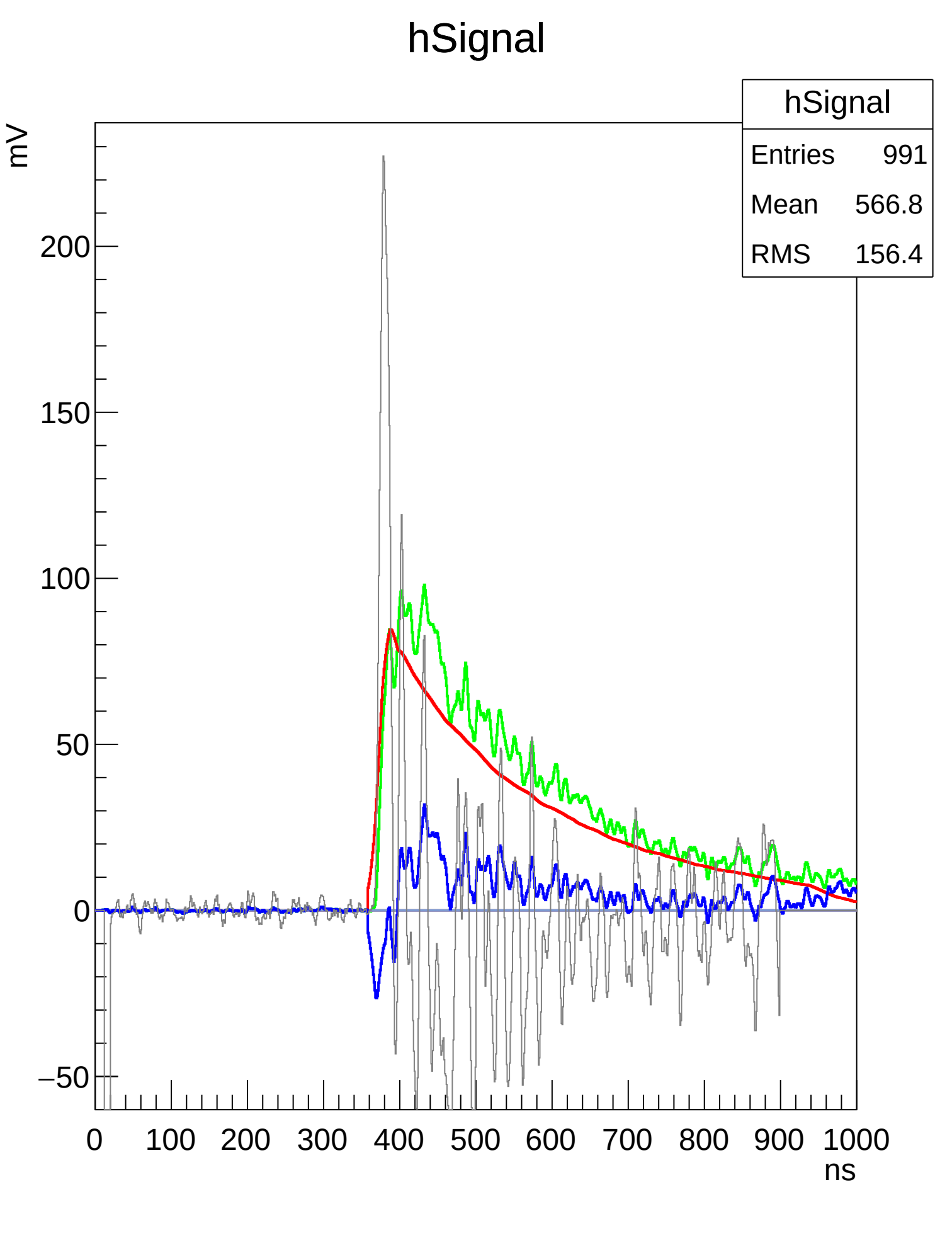
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.2
RMS 150.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.8
RMS 156.4
mV
200
150
100
50
0
−50
0
100
200
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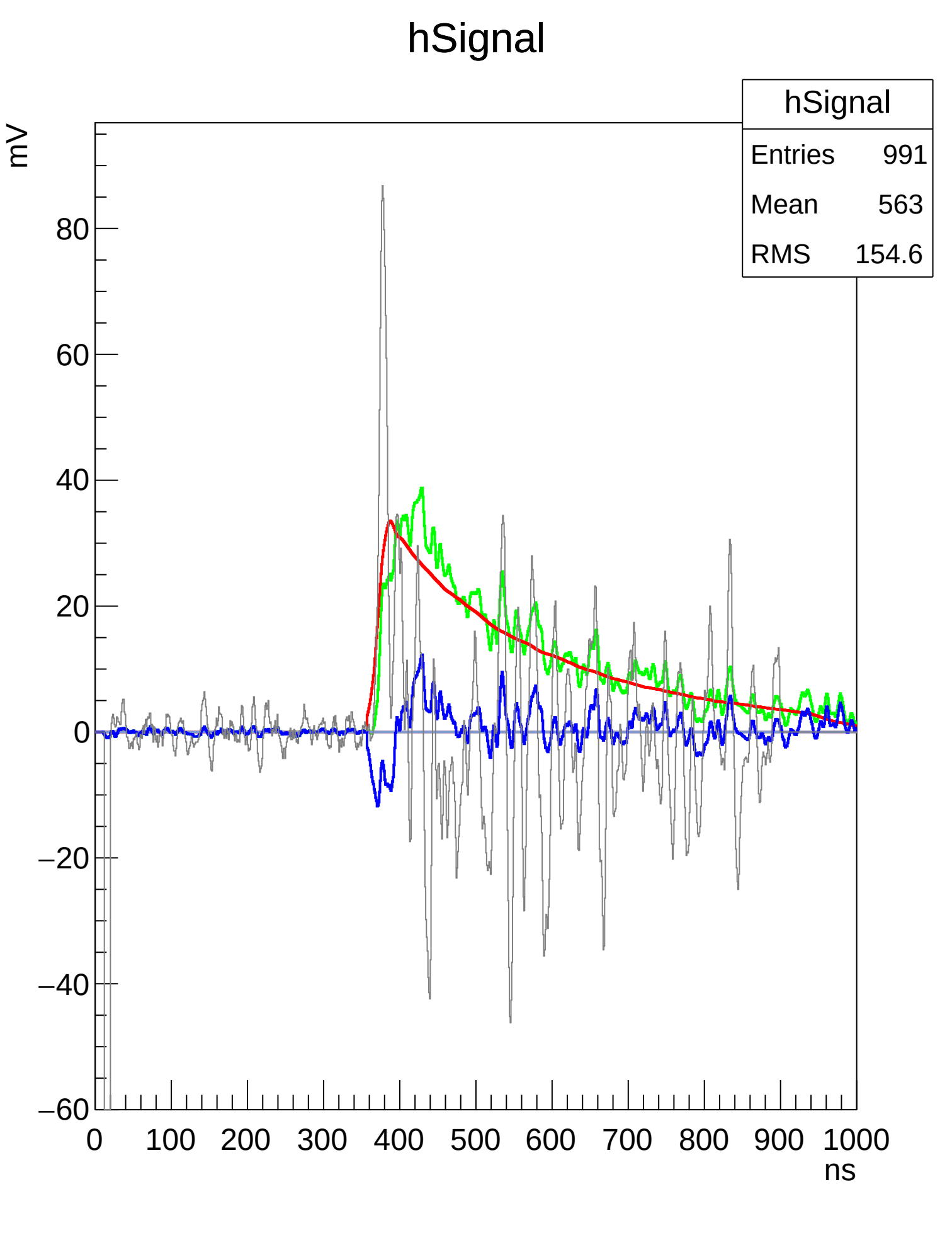
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563
RMS 154.6
mV
80
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−40
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0
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600
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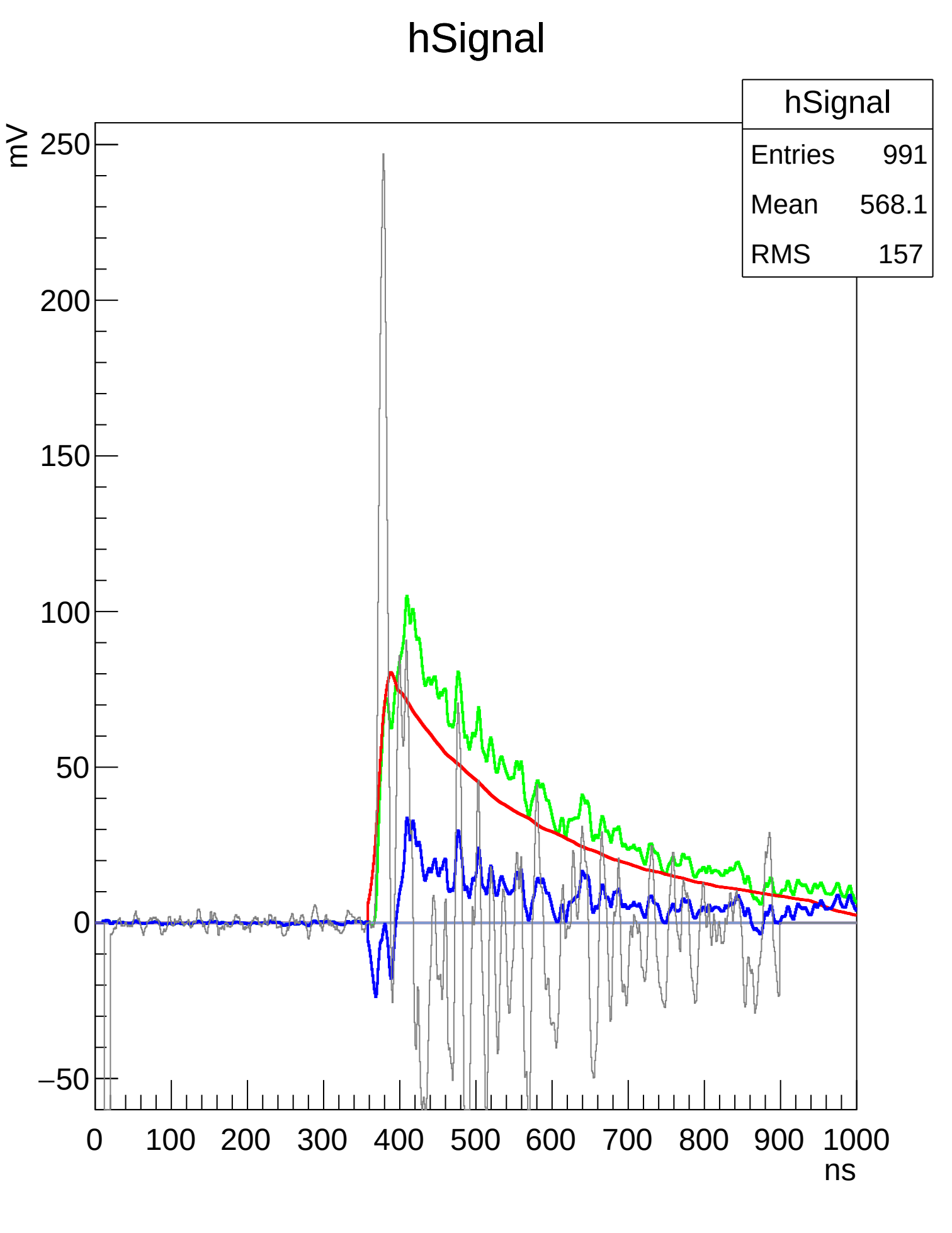
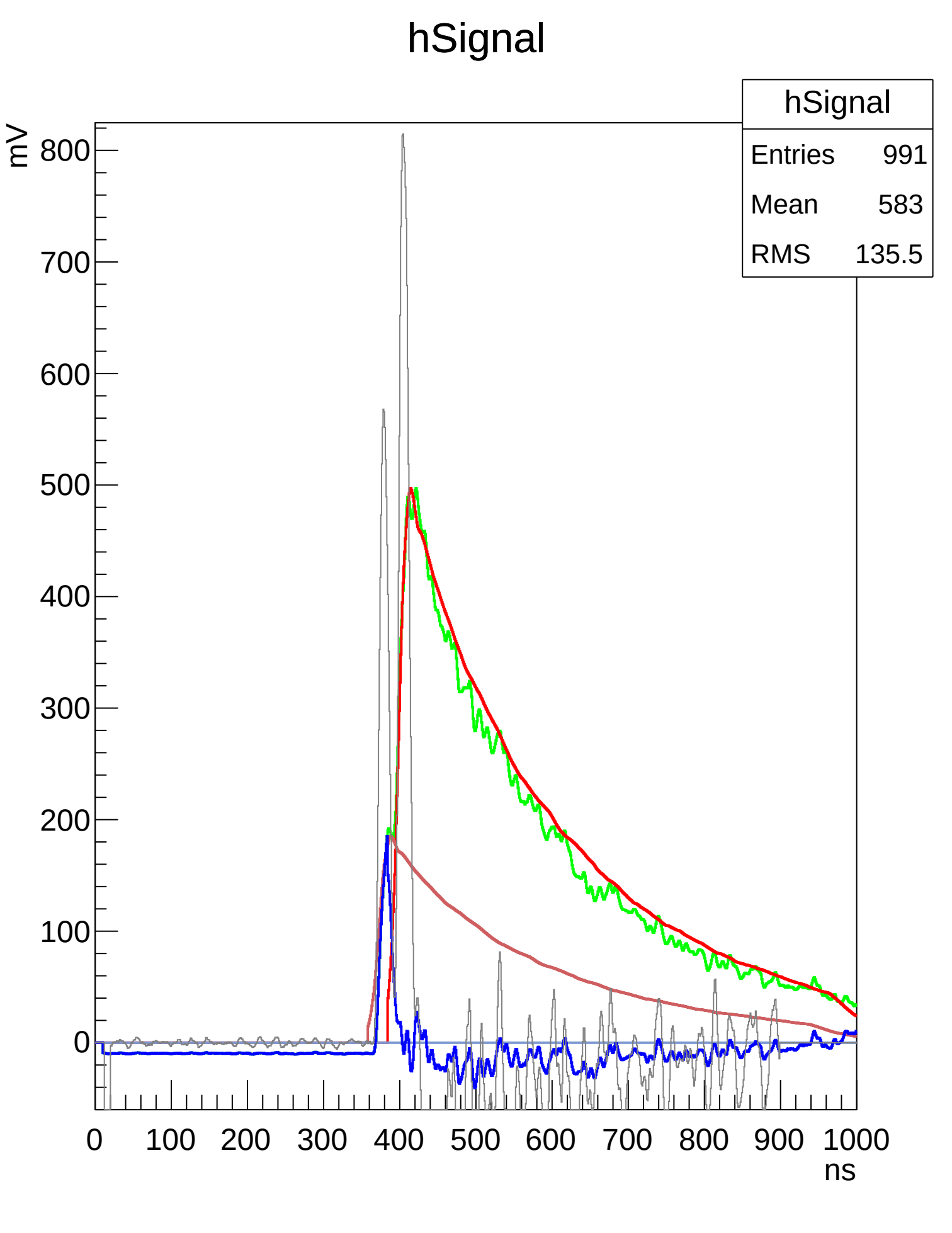
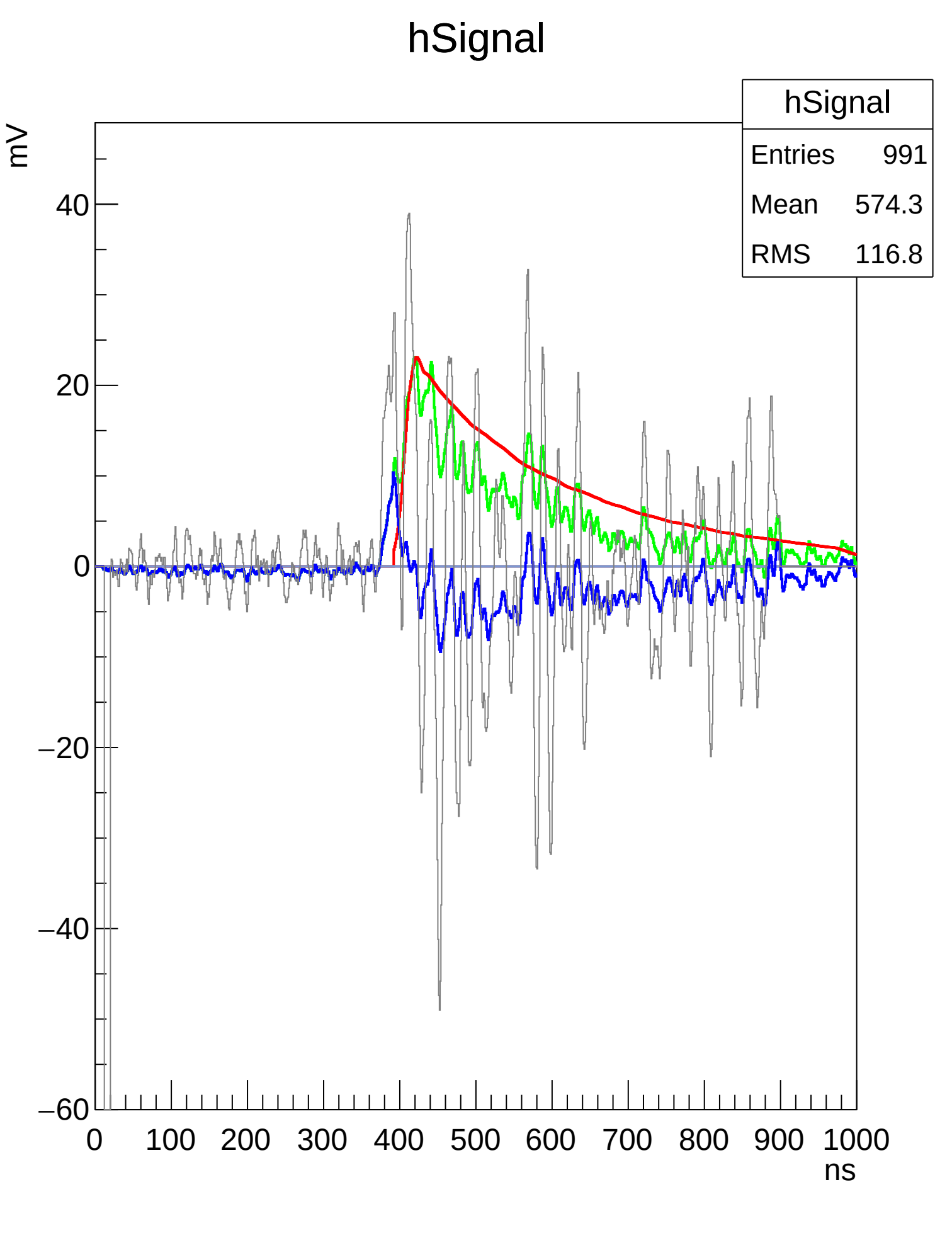
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.1
RMS 157
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583
RMS 135.5
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 116.8
mV
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20
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−20
−40
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0
100
200
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400
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700
800
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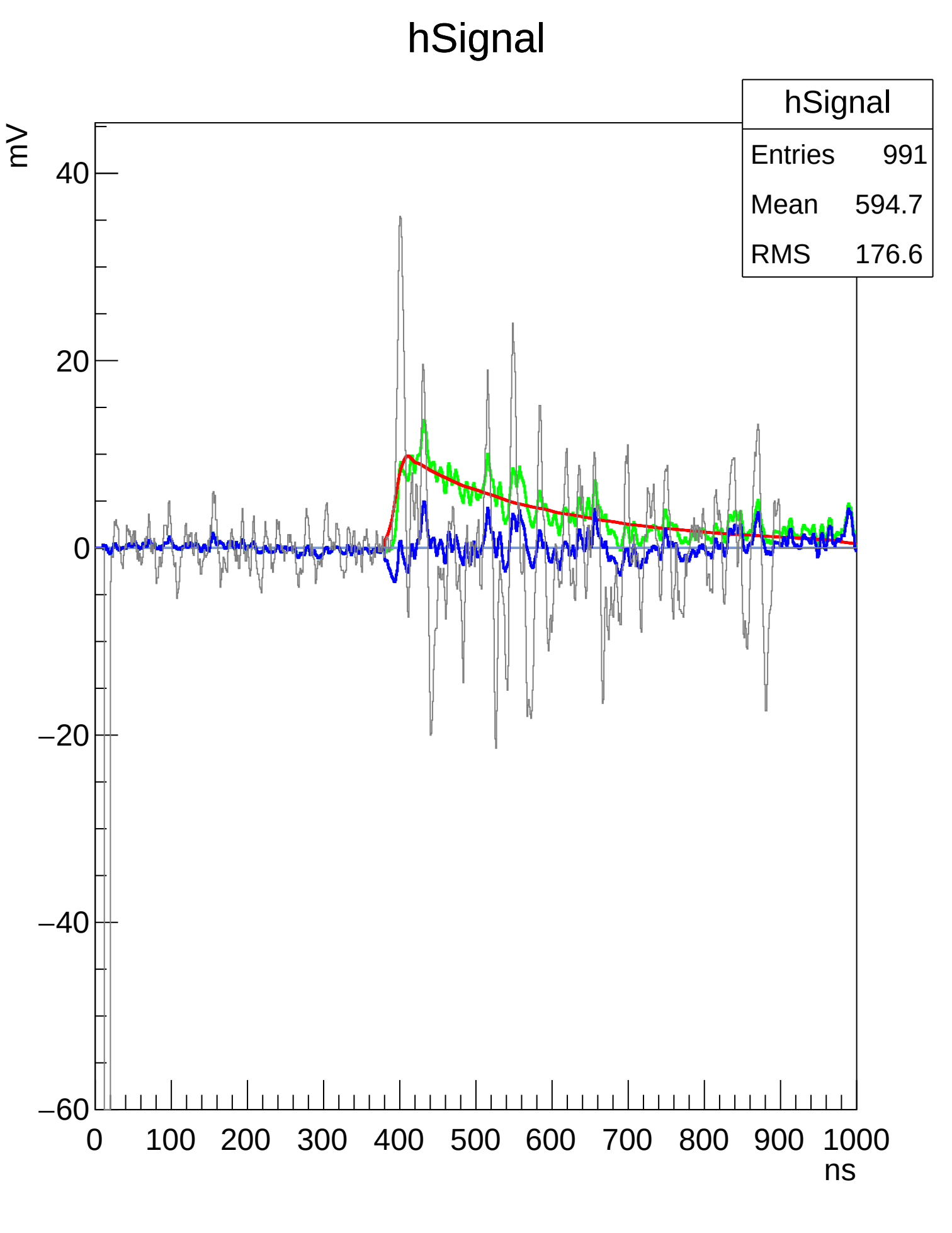
1000
ns


hSignal
hSignal
Entries 991
Mean 594.7
RMS 176.6
mV
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−20
−40
−60
0
100
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600
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800
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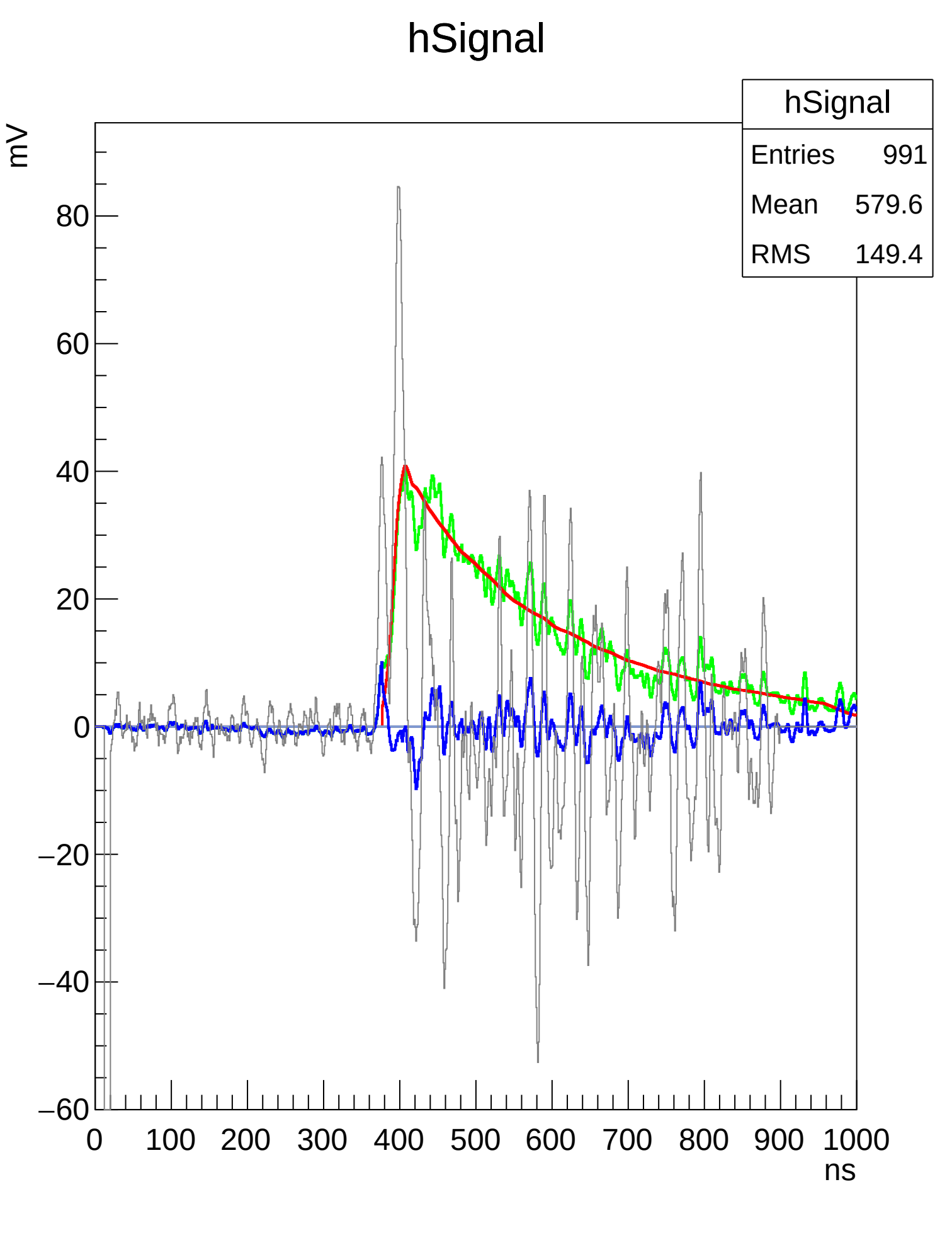
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 149.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
500
600
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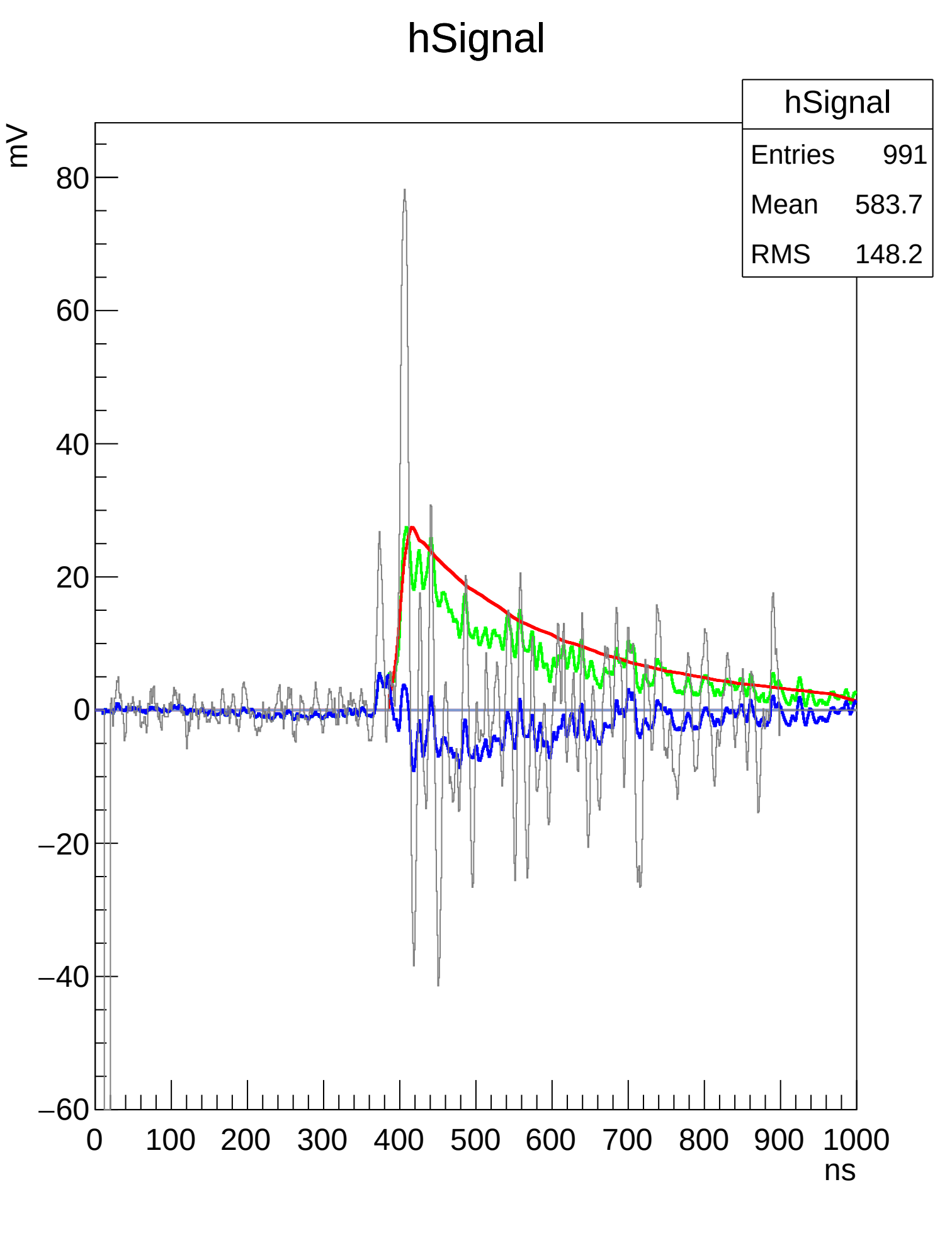
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.7
RMS 148.2
mV
80
60
40
20
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−20
−40
−60
0
100
200
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400
500
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800
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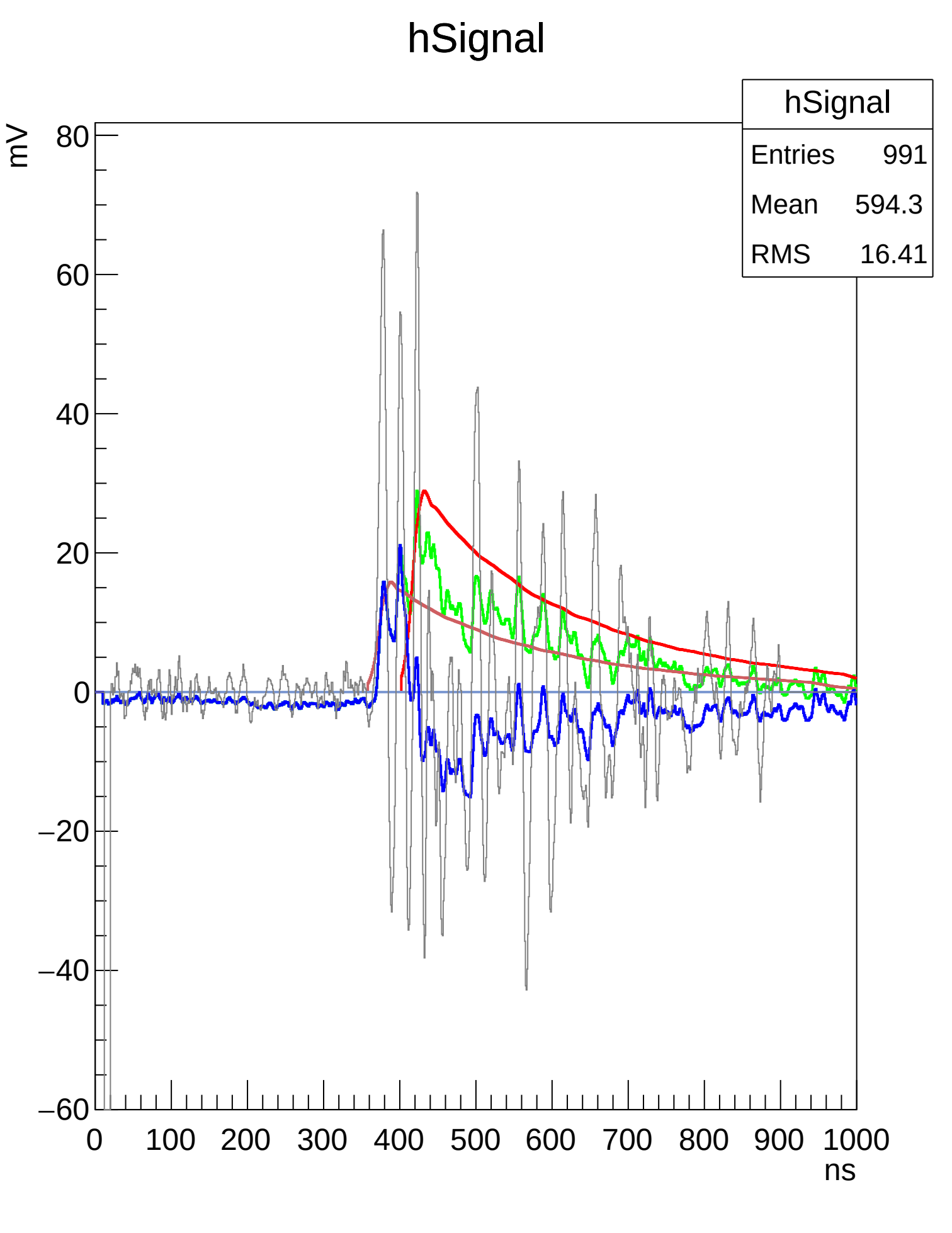
1000
ns


hSignal
hSignal
Entries 991
Mean 594.3
RMS 16.41
mV
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−20
−40
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1000
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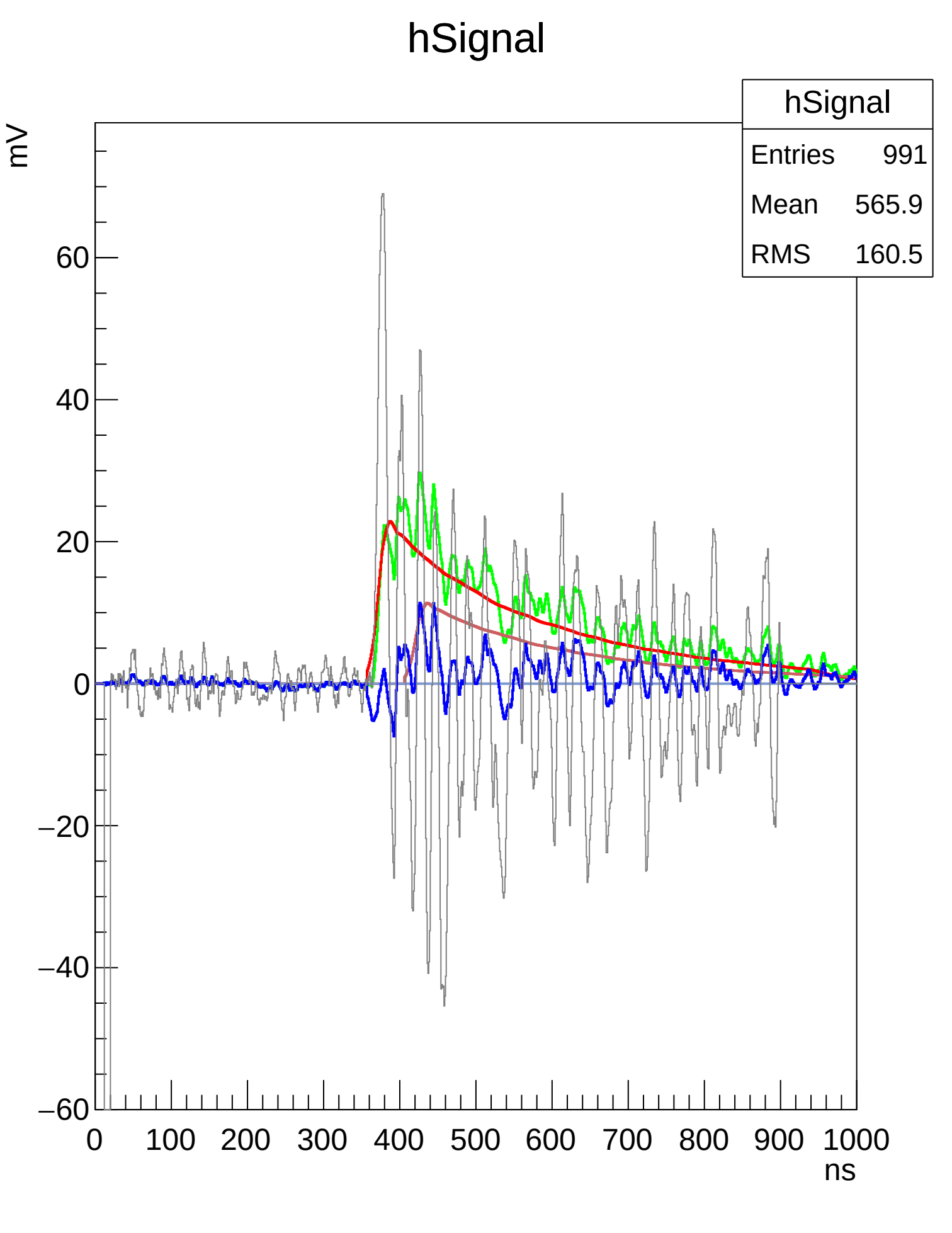
hSignal
hSignal
Entries 991
Mean 565.9
RMS 160.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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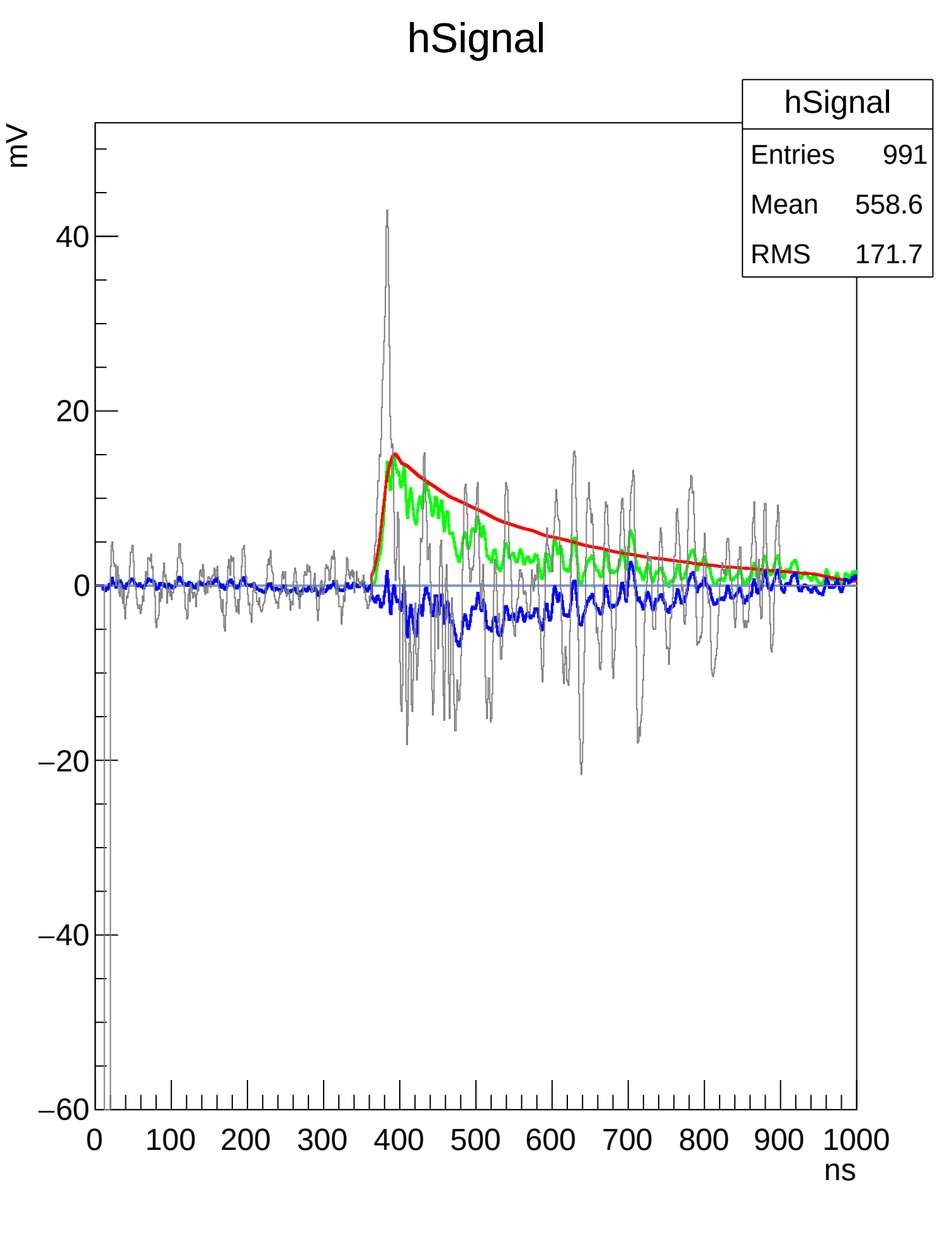
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.6
RMS 171.7
mV
40
20
0
−20
−40
−60
0
100
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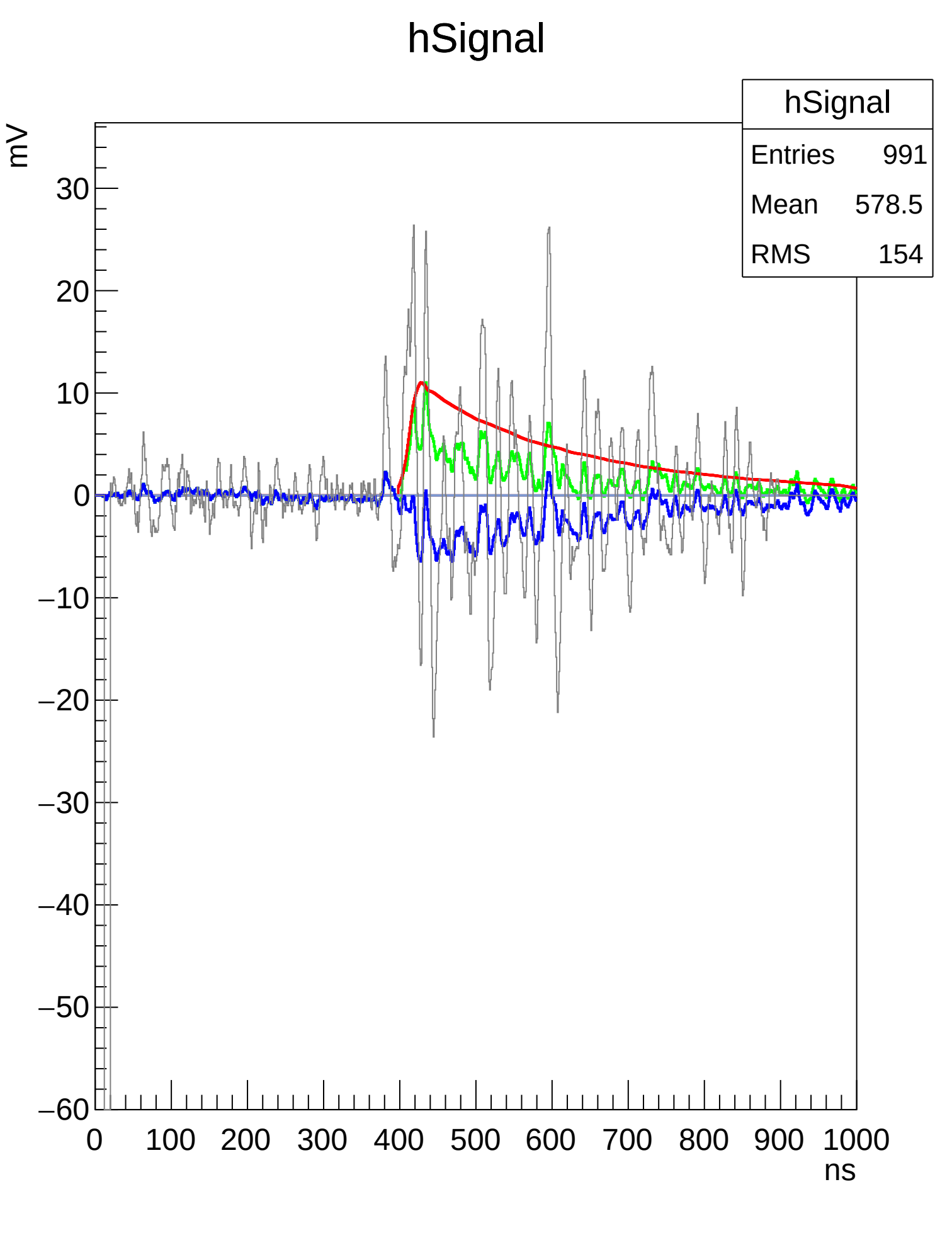
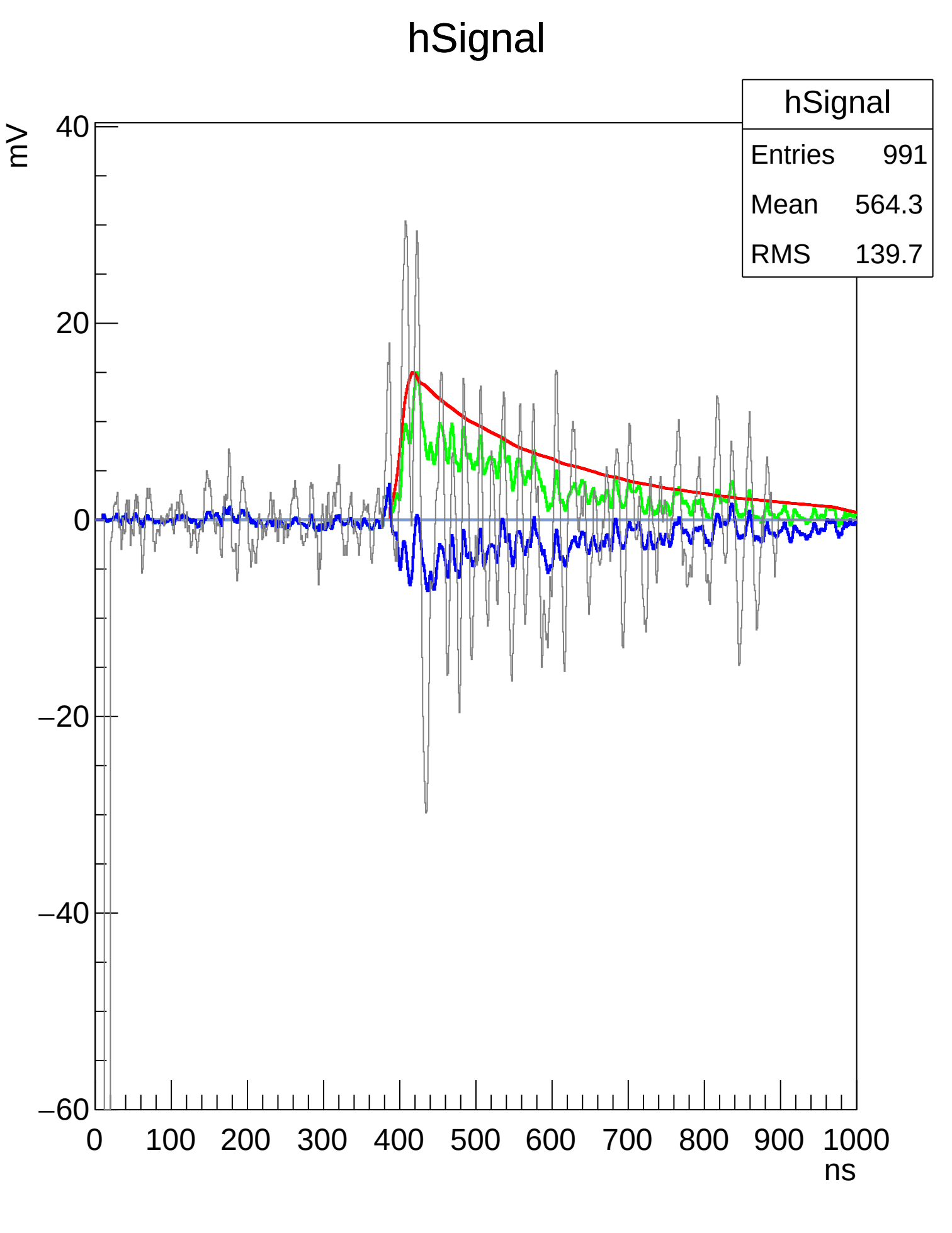
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.5
RMS 154
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.3
RMS 139.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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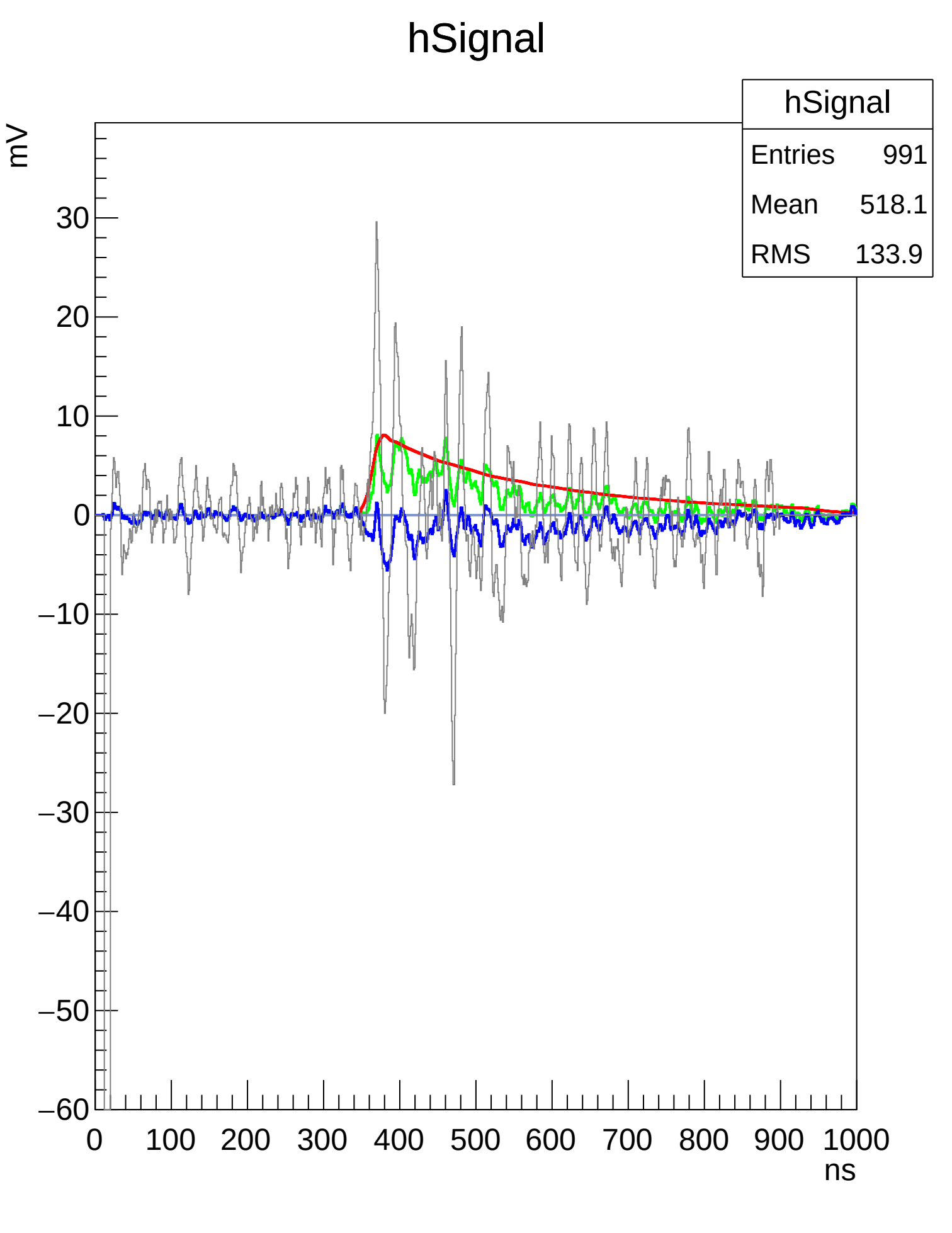
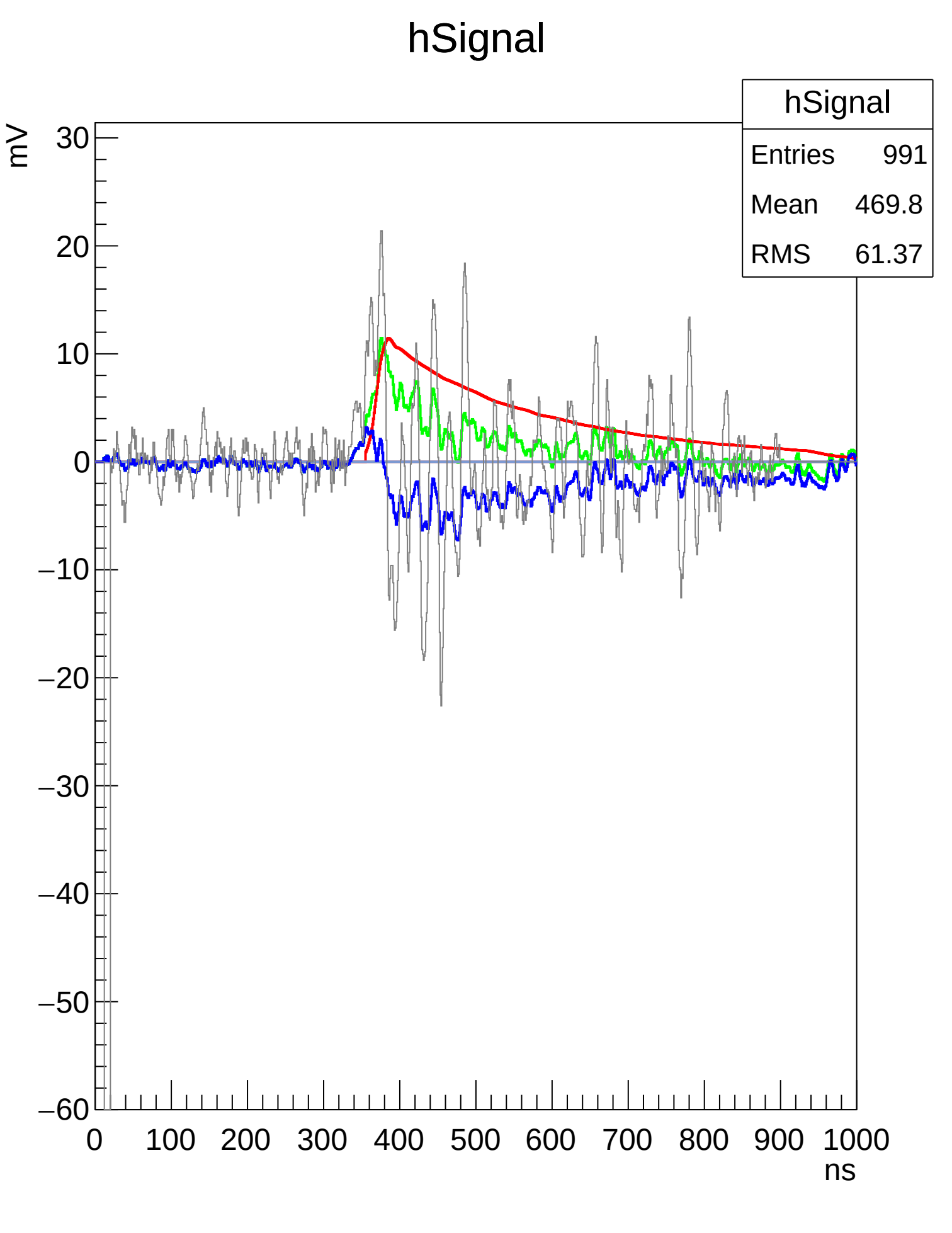
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.1
RMS 133.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 469.8
RMS 61.37
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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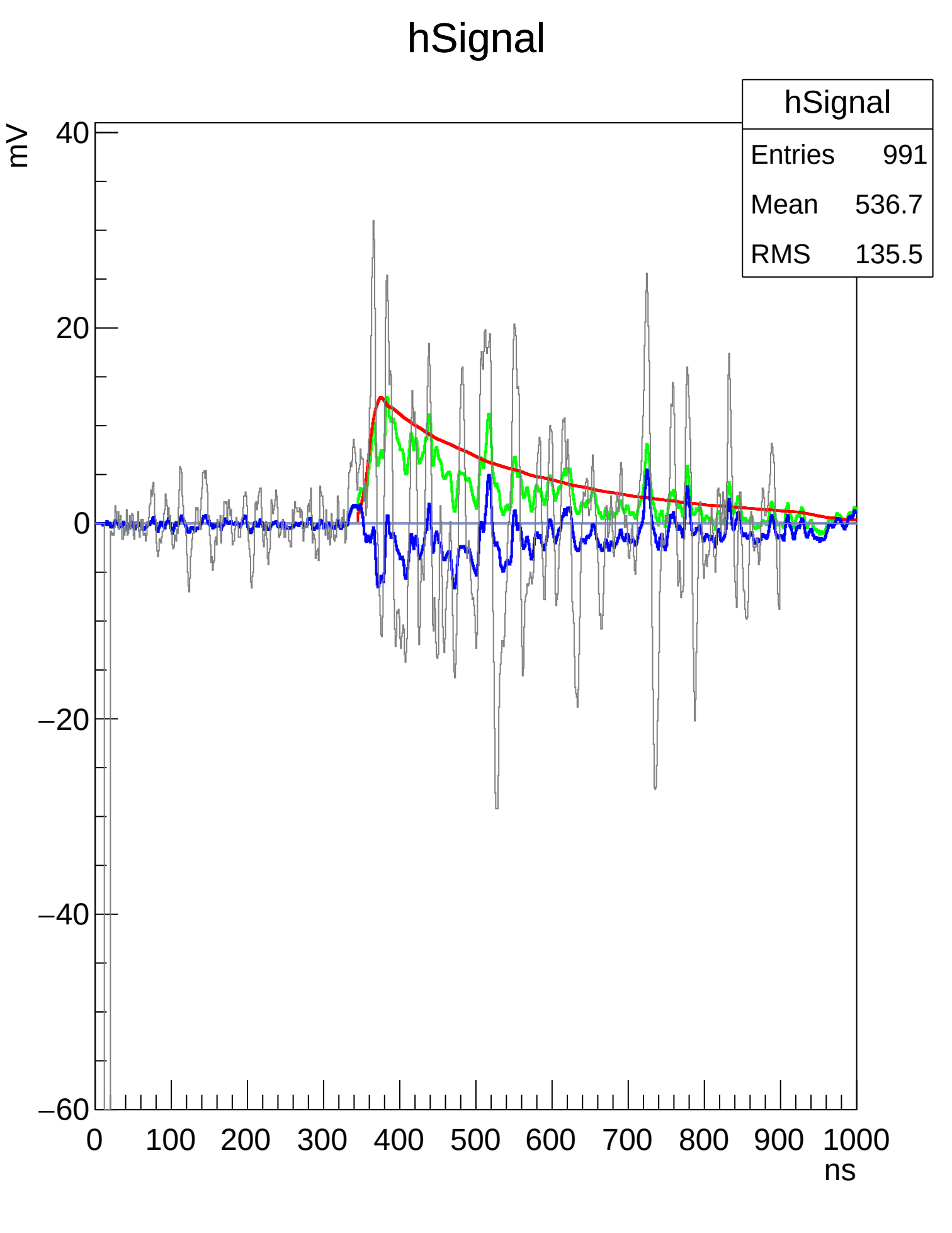
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.7
RMS 135.5
mV
40
20
0
−20
−40
−60
0
100
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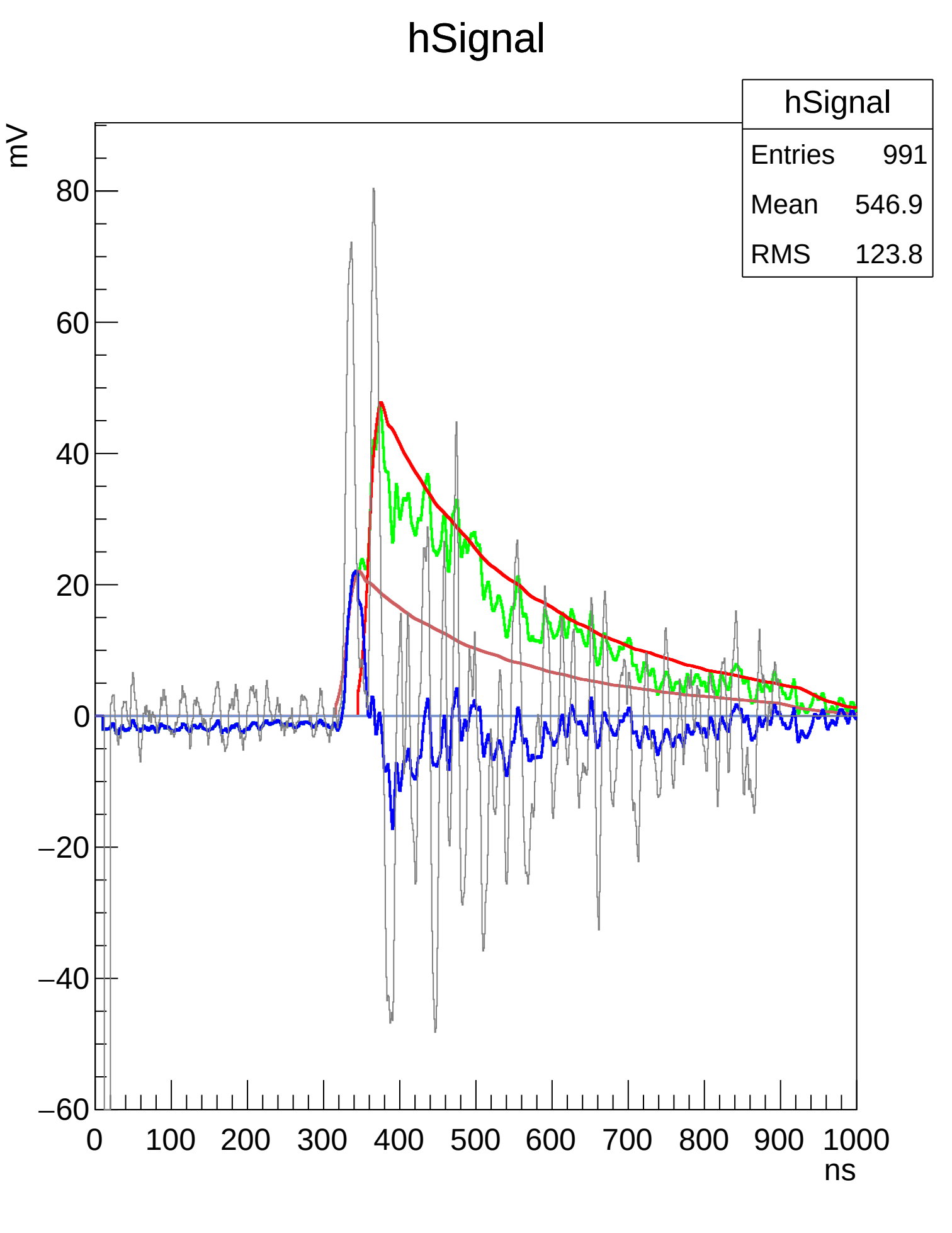
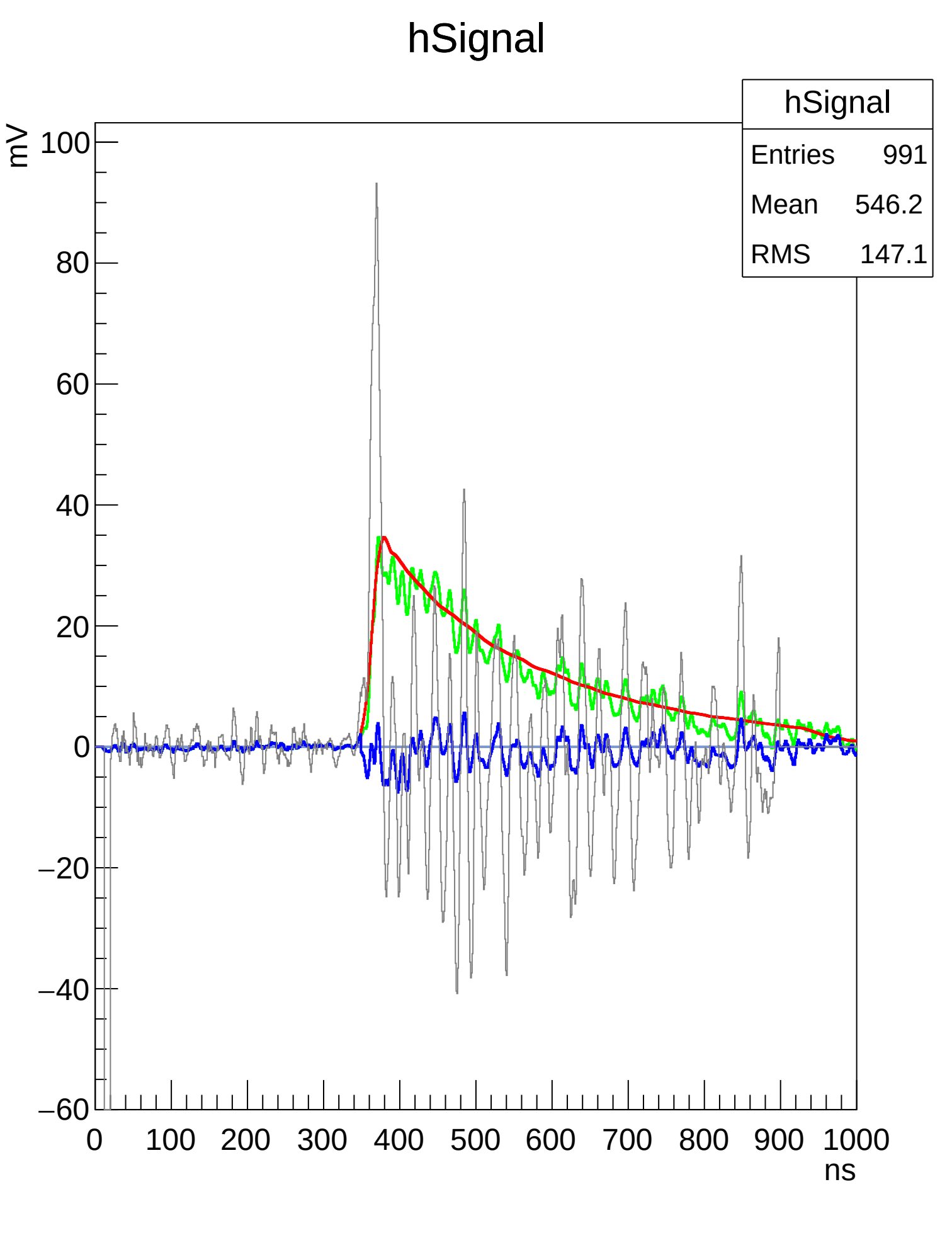
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 123.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.2
RMS 147.1
mV
100
80
60
40
20
0
−20
−40
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0
100
200
300
400
500
600
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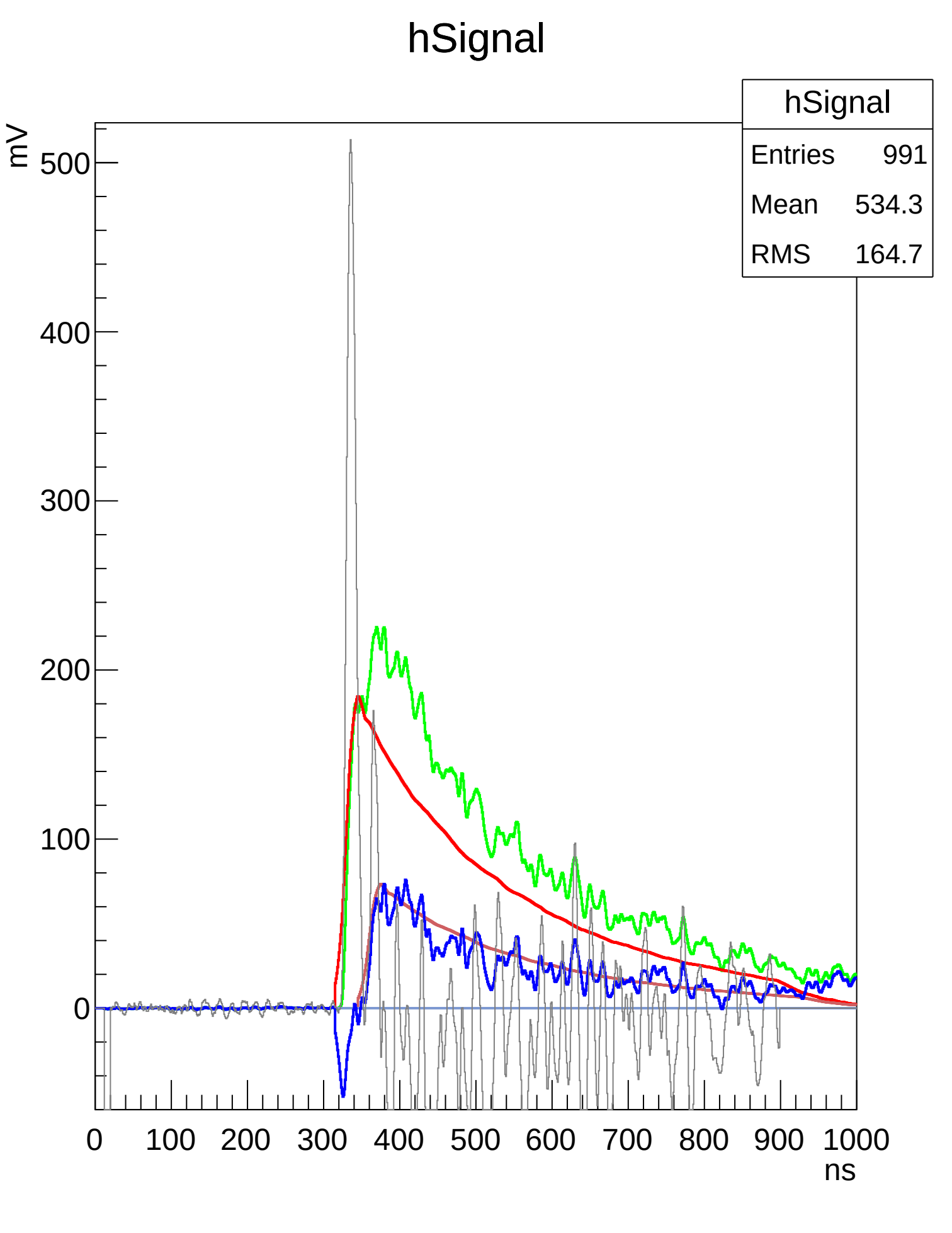
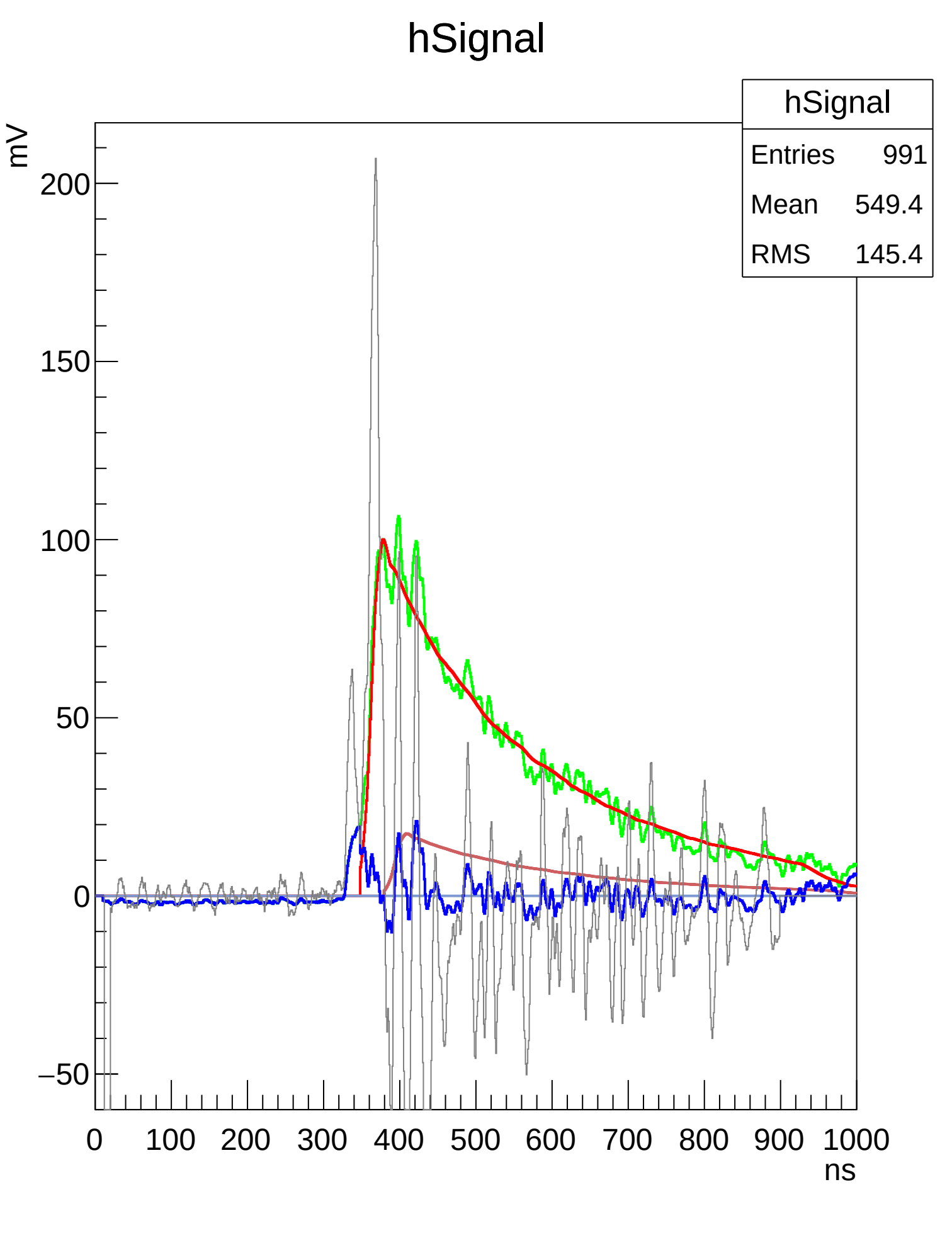
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.3
RMS 164.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.4
RMS 145.4
mV
200
150
100
50
0
−50
0
100
200
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600
700
800
900
1000
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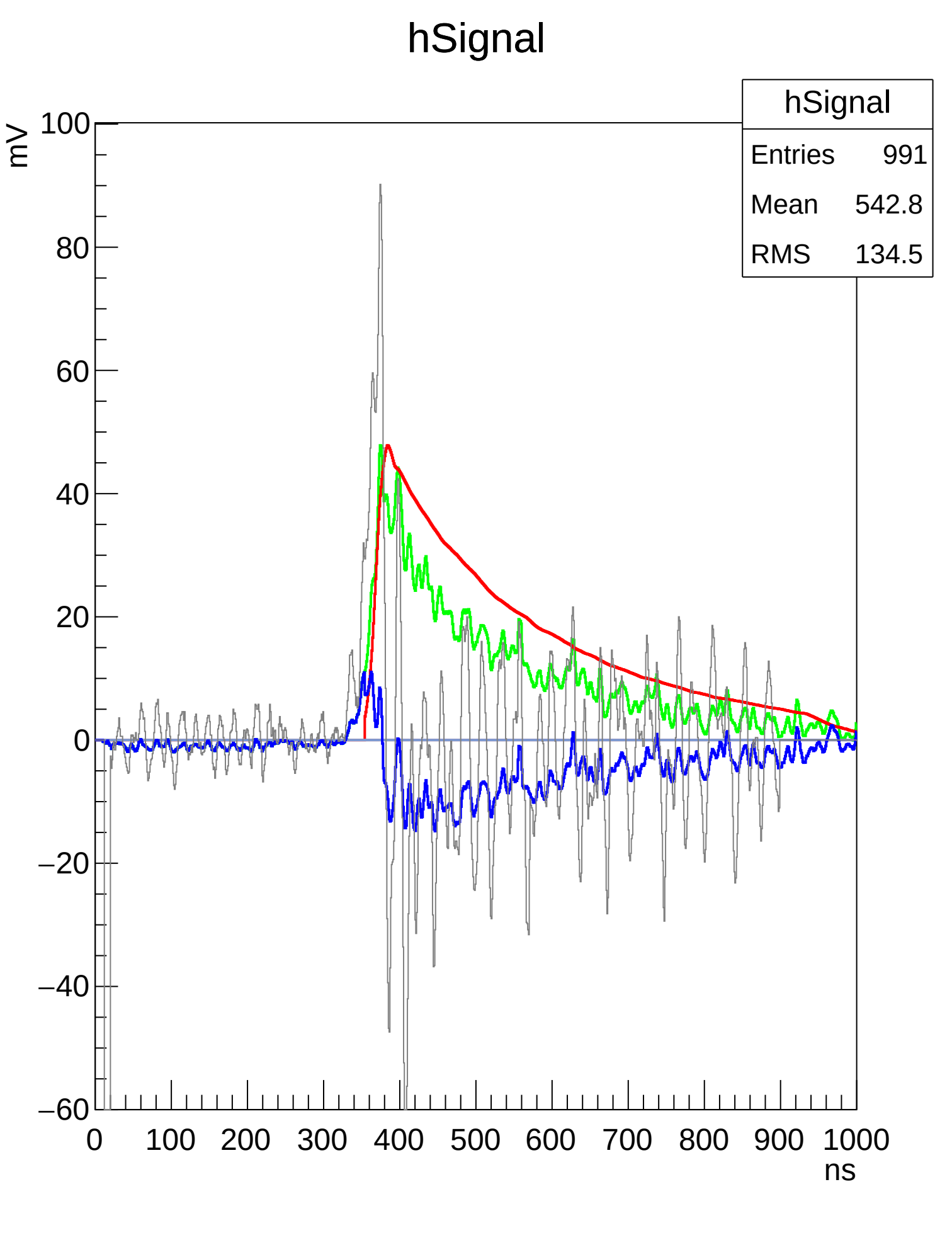
hSignal
hSignal
Entries 991
Mean 542.8
RMS 134.5
mV
100
80
60
40
20
0
−20
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0
100
200
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400
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800
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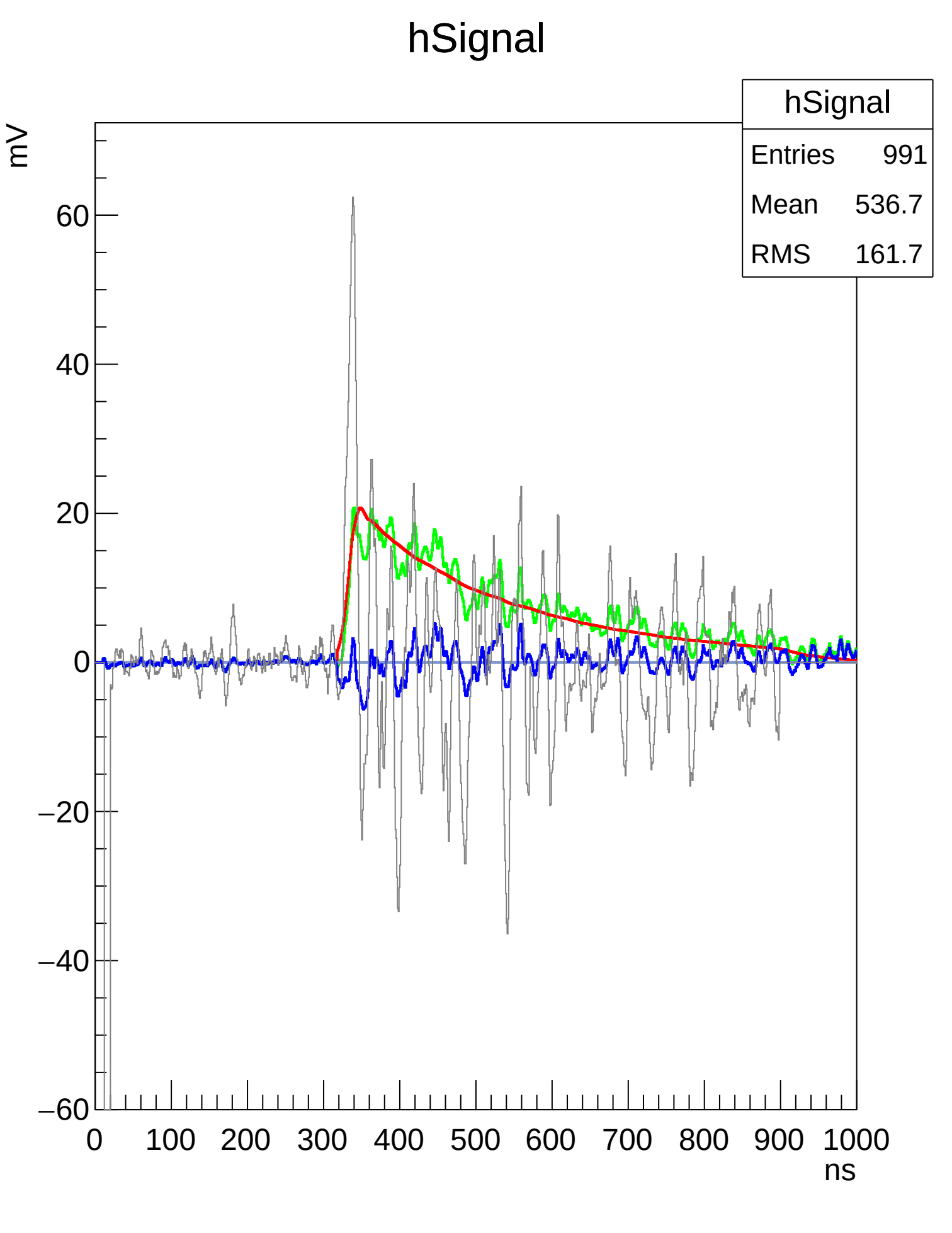
1000
ns


hSignal
hSignal
Entries 991
Mean 536.7
RMS 161.7
mV
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40
20
0
−20
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0
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400
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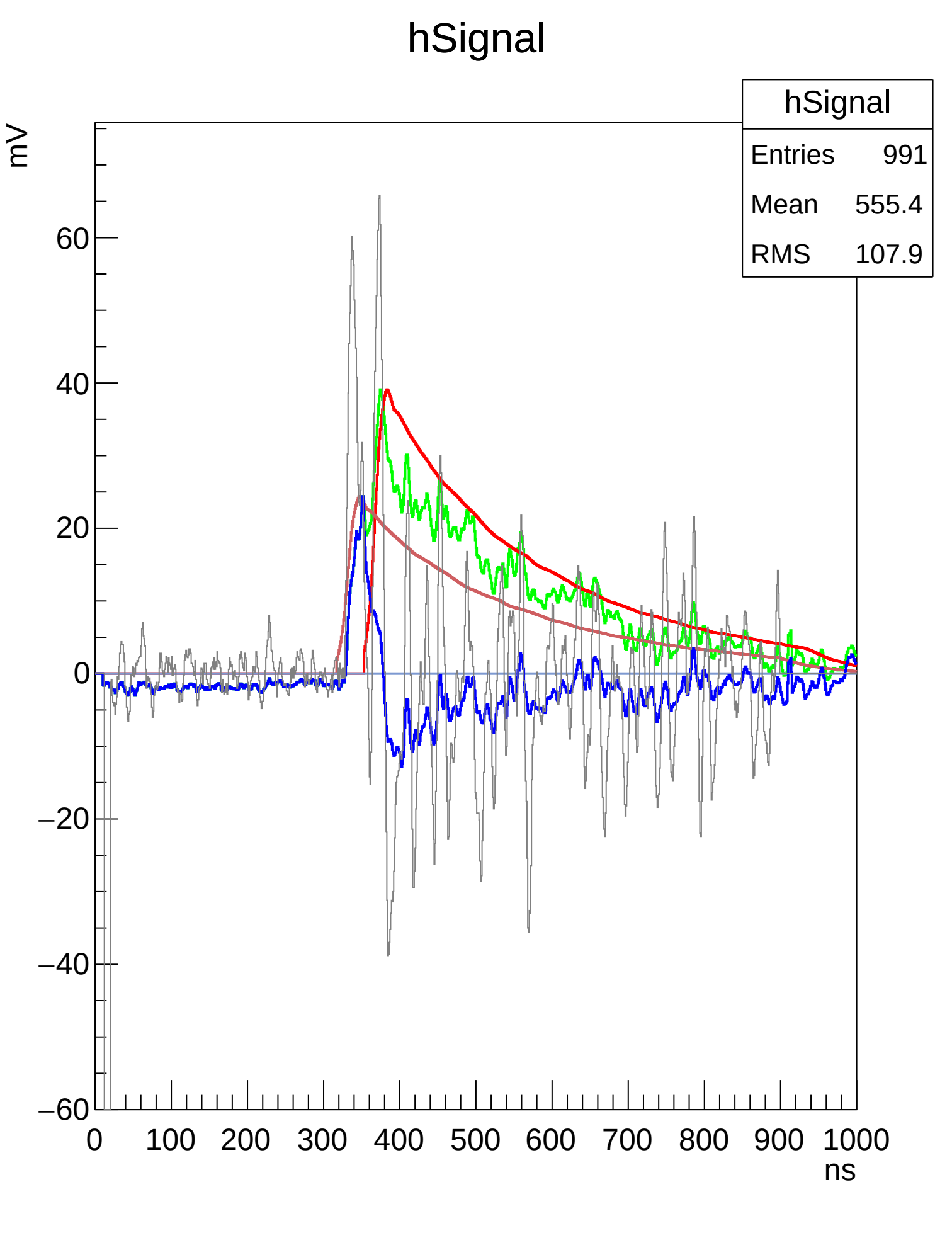
hSignal
hSignal
Entries 991
Mean 555.4
RMS 107.9
mV
60
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20
0
−20
−40
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0
100
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400
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800
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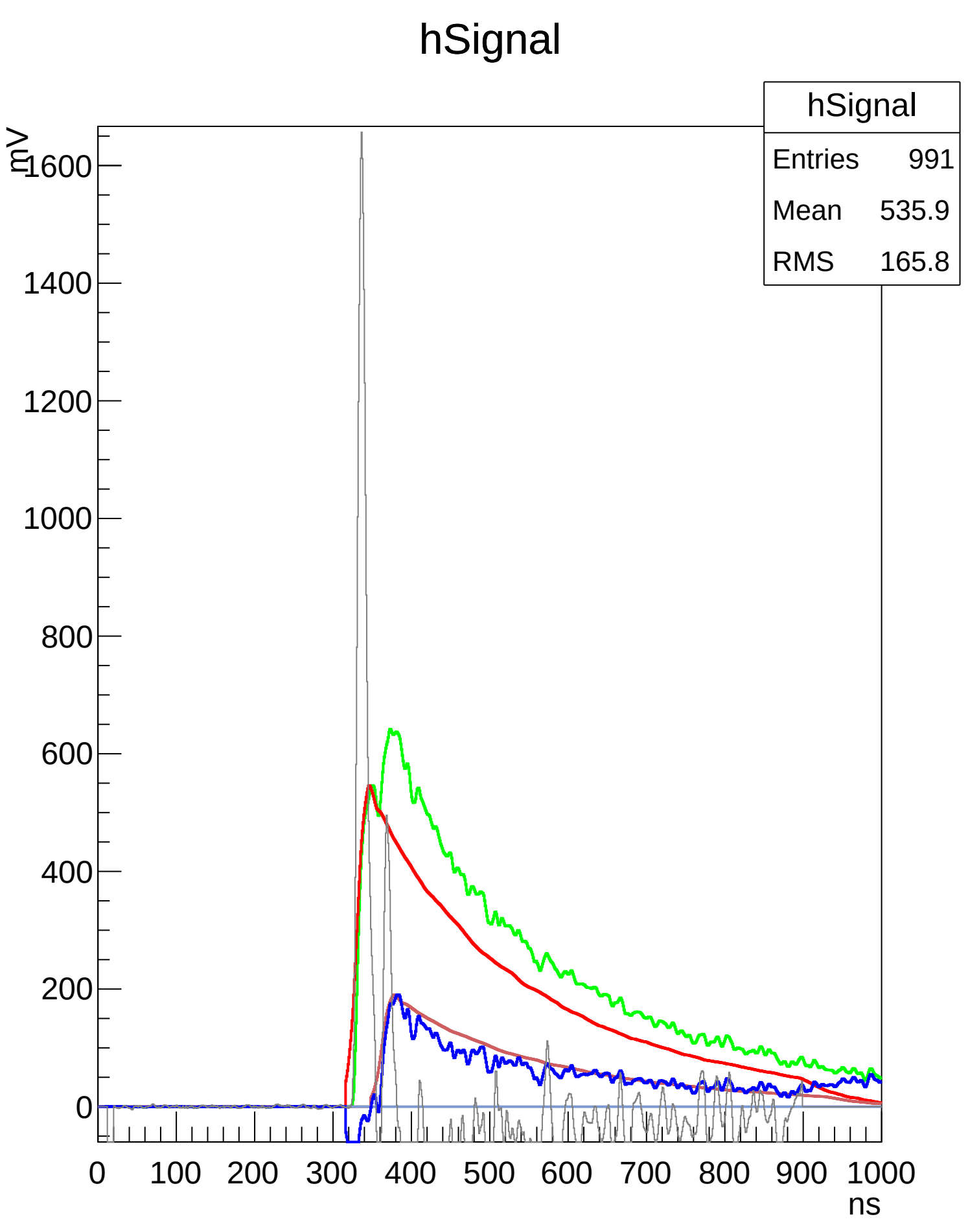
1000
ns


hSignal
hSignal
Entries 991
Mean 535.9
RMS 165.8
mV
1600
1400
1200
1000
800
600
400
200
0
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100
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400
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1000
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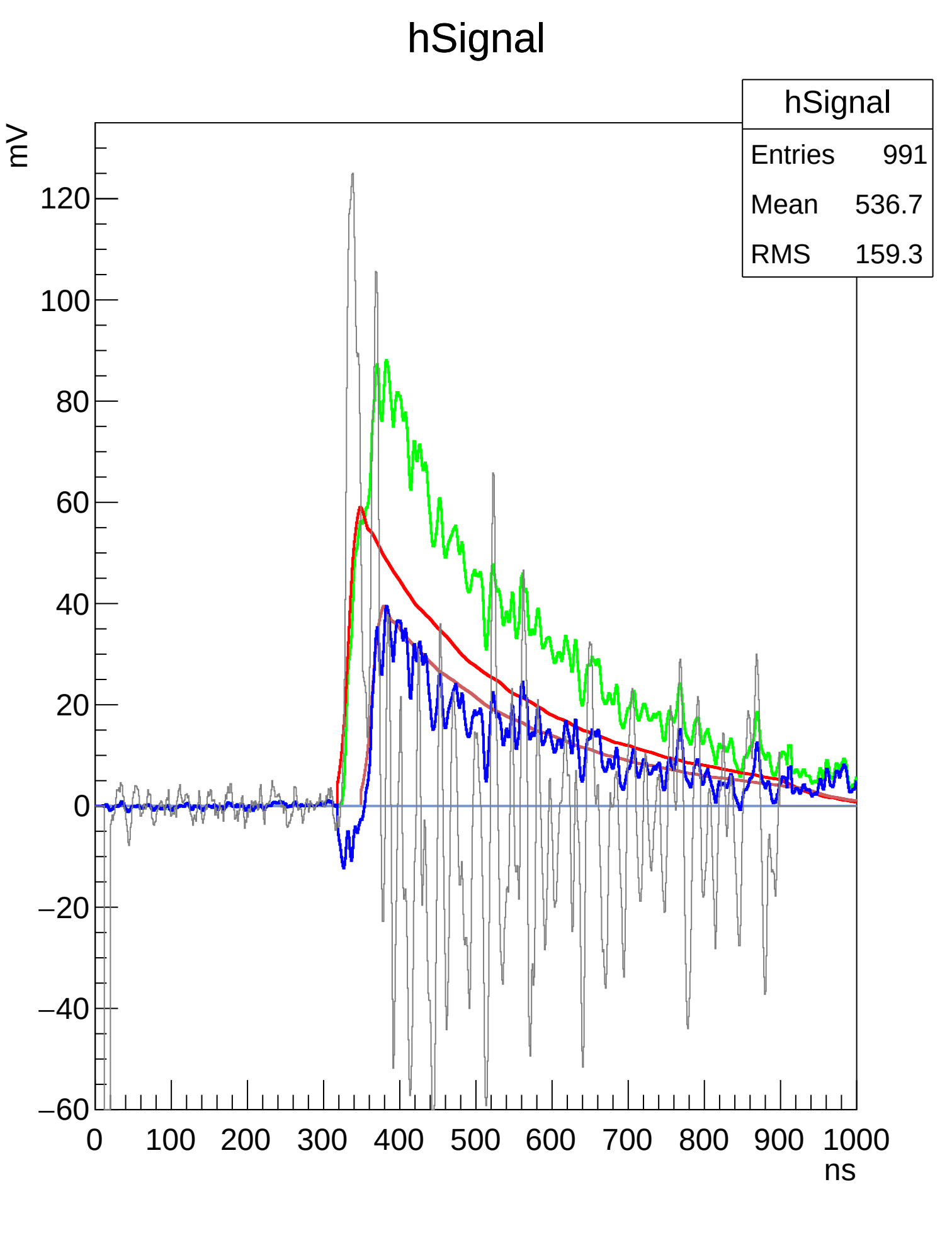
hSignal
hSignal
Entries 991
Mean 536.7
RMS 159.3
mV
120
100
80
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40
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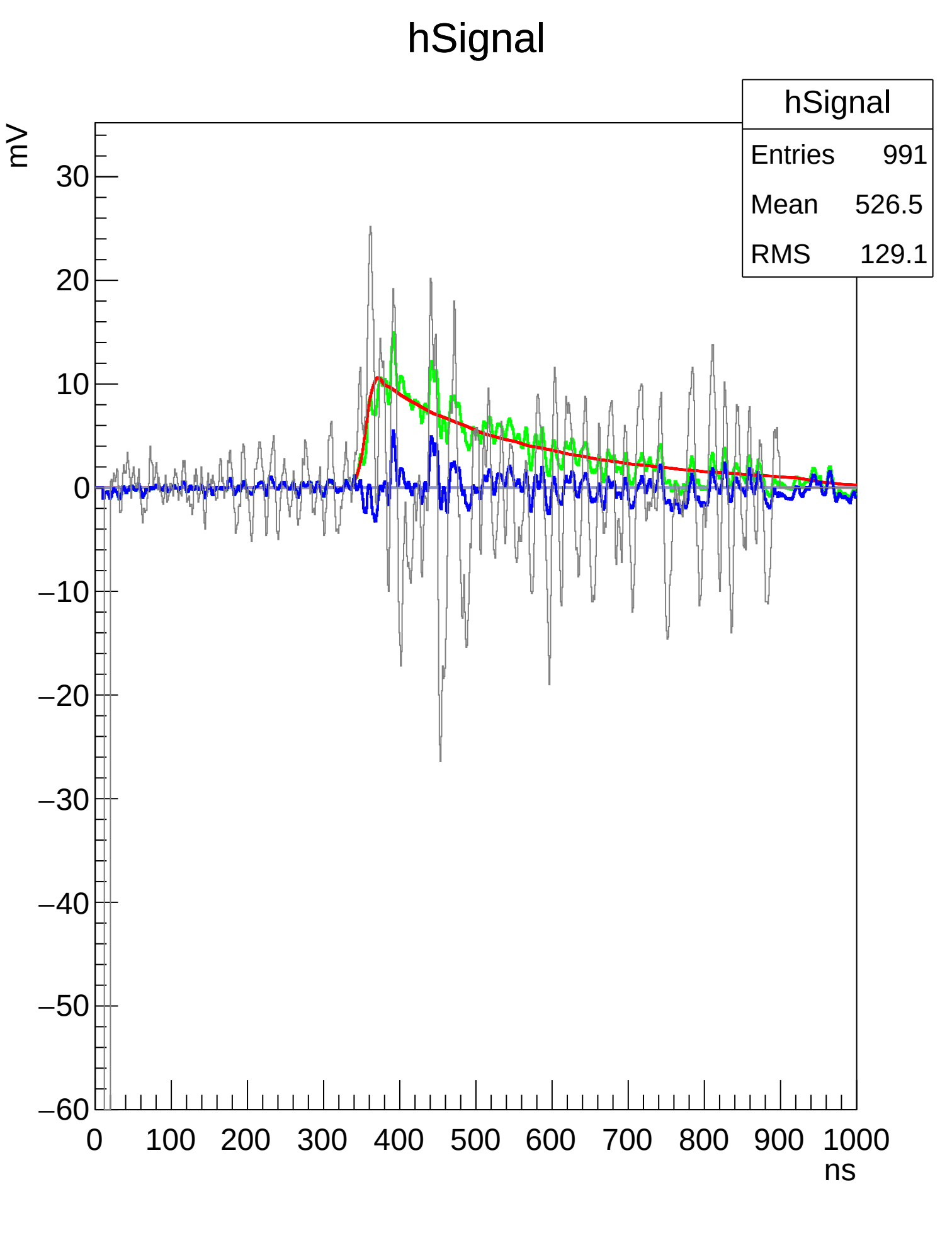
hSignal
hSignal
Entries 991
Mean 526.5
RMS 129.1
mV
30
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10
0
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−50
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0
100
200
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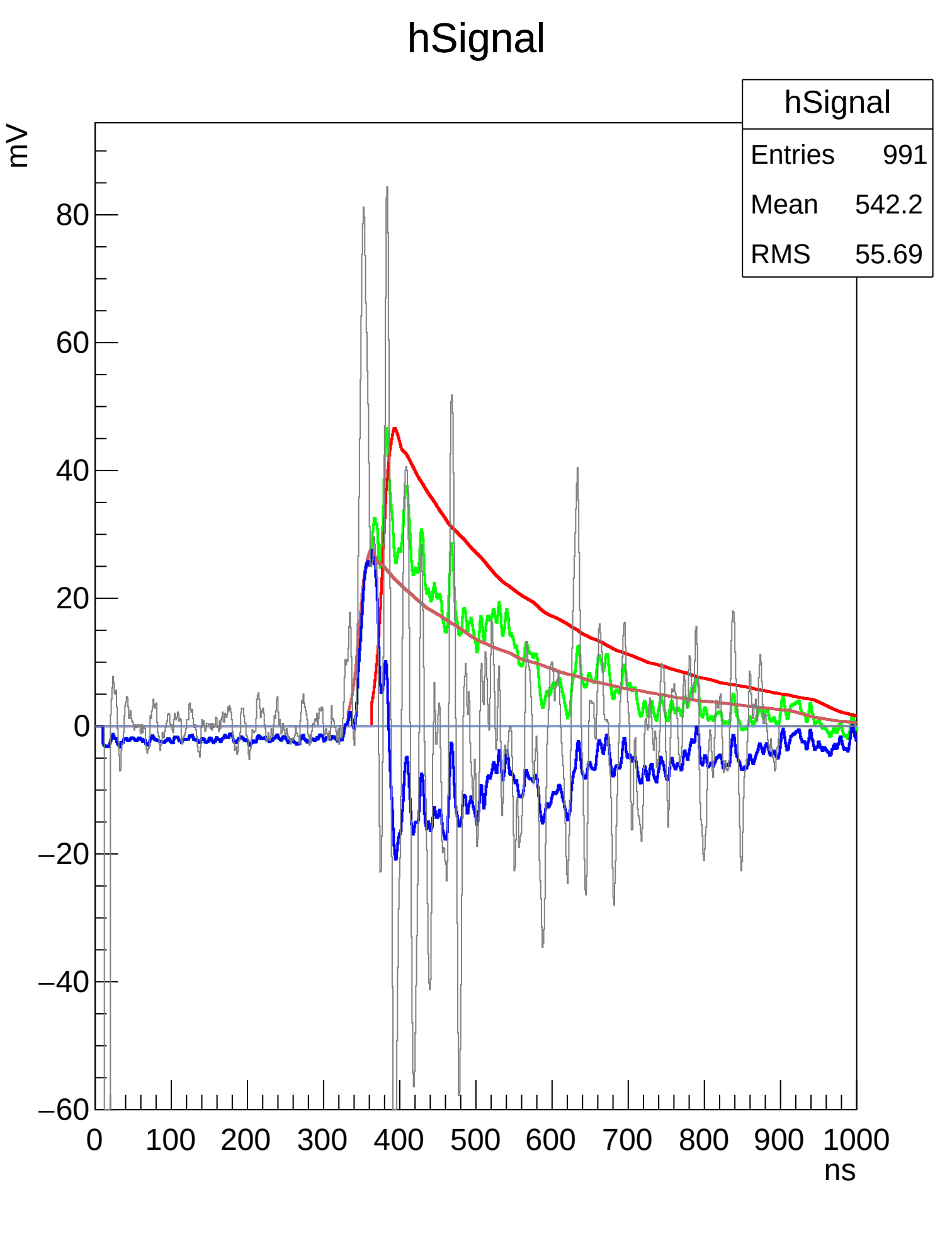
ns


hSignal
hSignal
Entries 991
Mean 542.2
RMS 55.69
mV
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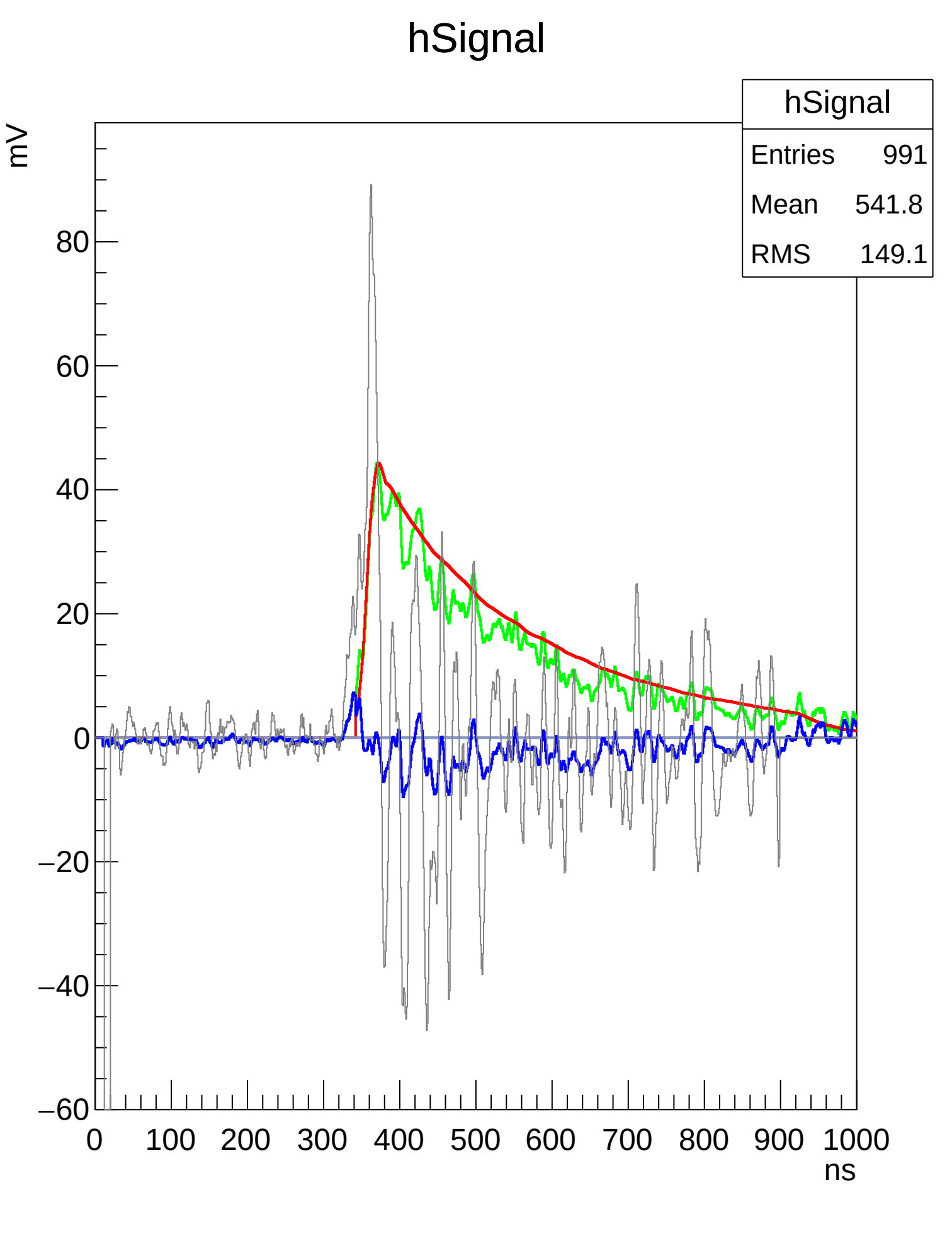
hSignal
hSignal
Entries 991
Mean 541.8
RMS 149.1
mV
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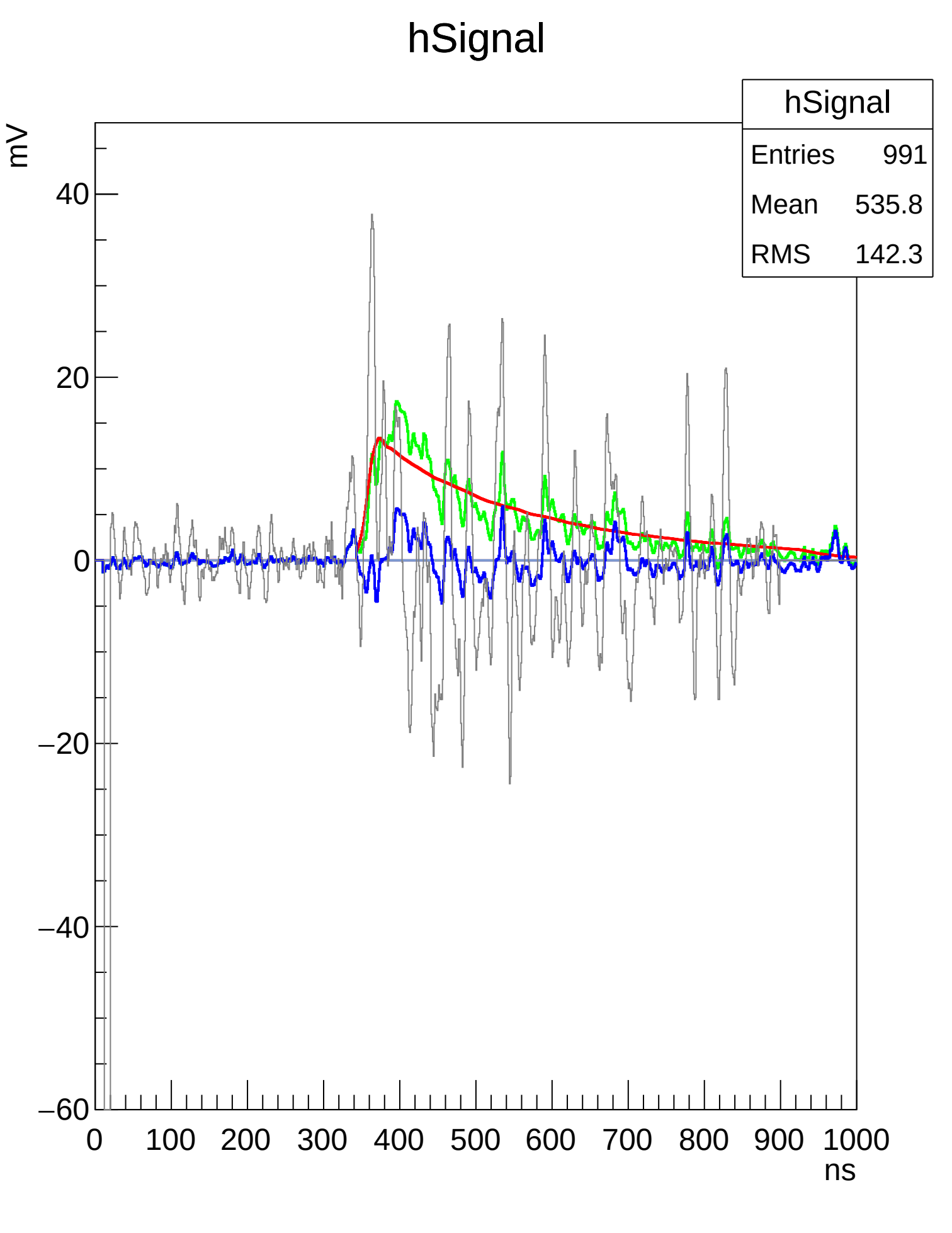
hSignal
hSignal
Entries 991
Mean 535.8
RMS 142.3
mV
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20
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−20
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0
100
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800
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1000
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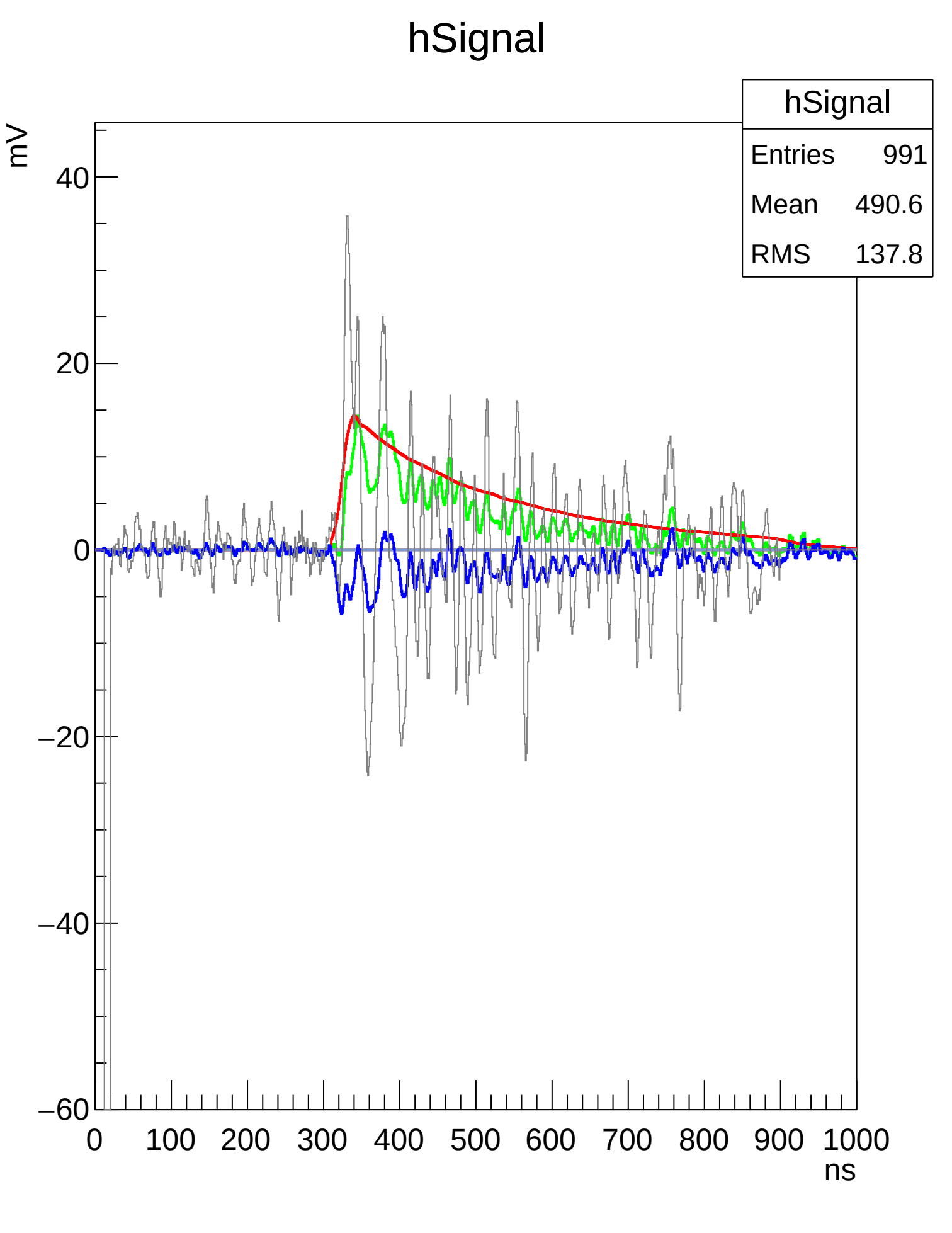
hSignal
hSignal
Entries 991
Mean 490.6
RMS 137.8
mV
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1000
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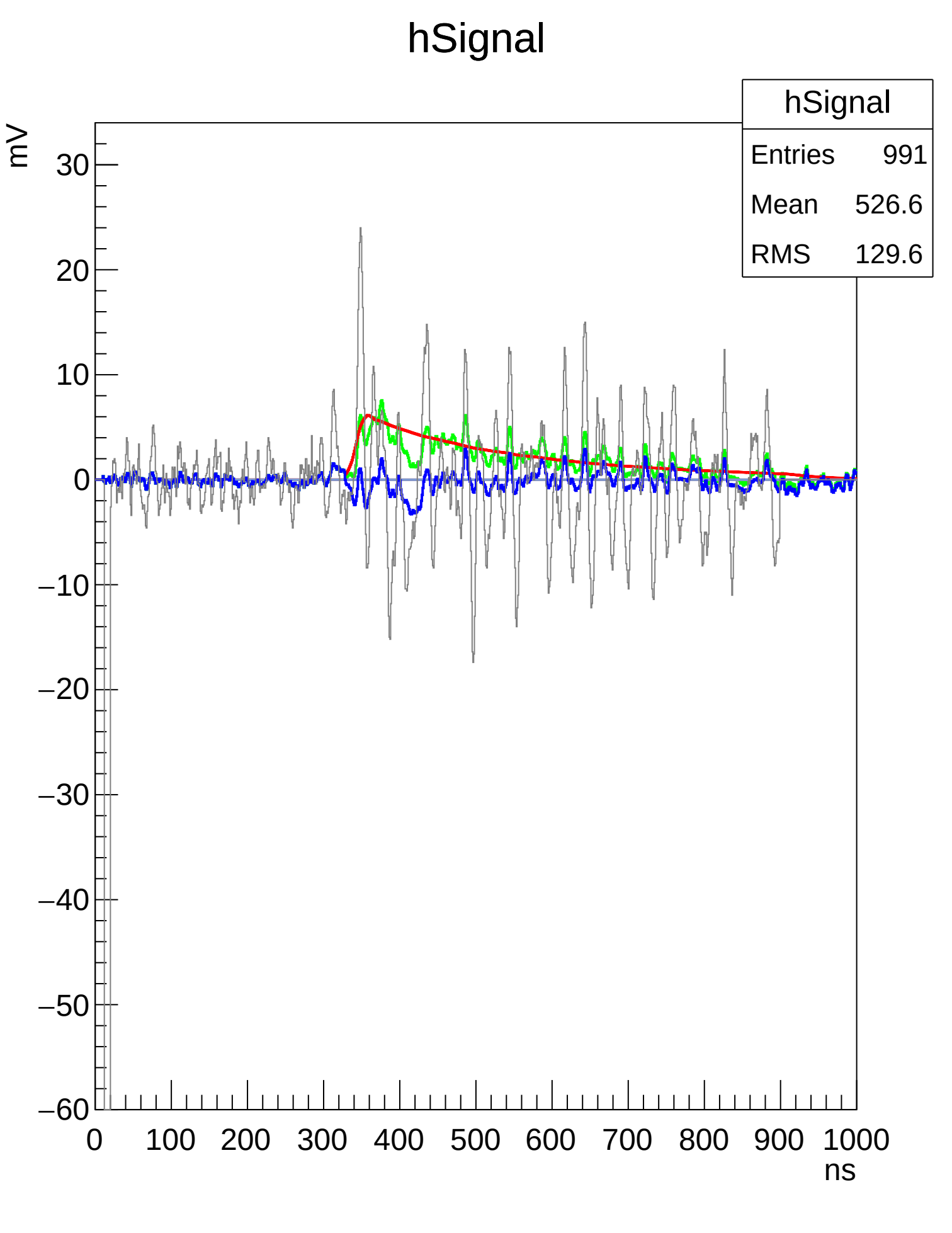
hSignal
hSignal
Entries 991
Mean 526.6
RMS 129.6
mV
30
20
10
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0
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200
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1000
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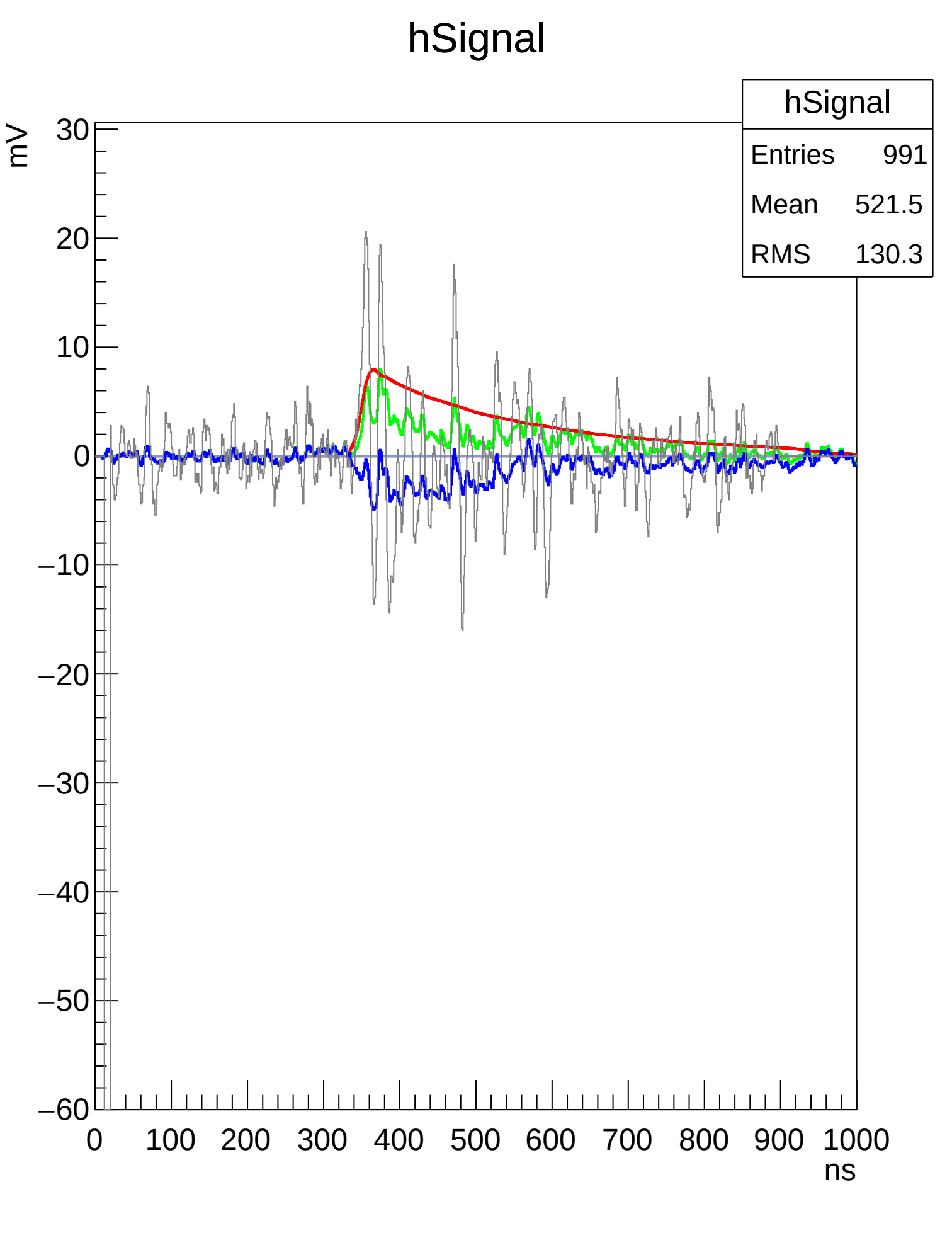
hSignal
hSignal
Entries 991
Mean 521.5
RMS 130.3
mV
30
20
10
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1000
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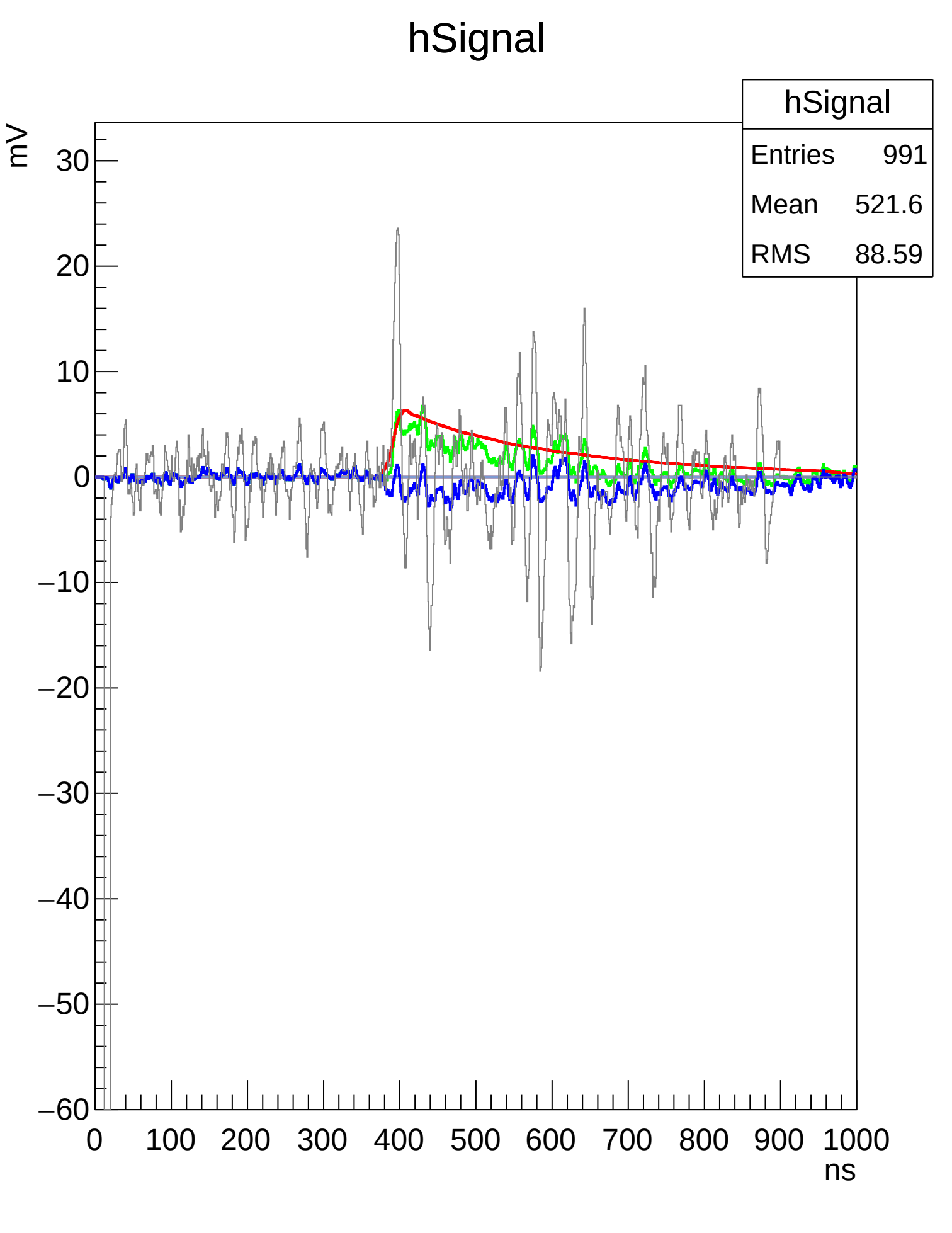
hSignal
hSignal
Entries 991
Mean 521.6
RMS 88.59
mV
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10
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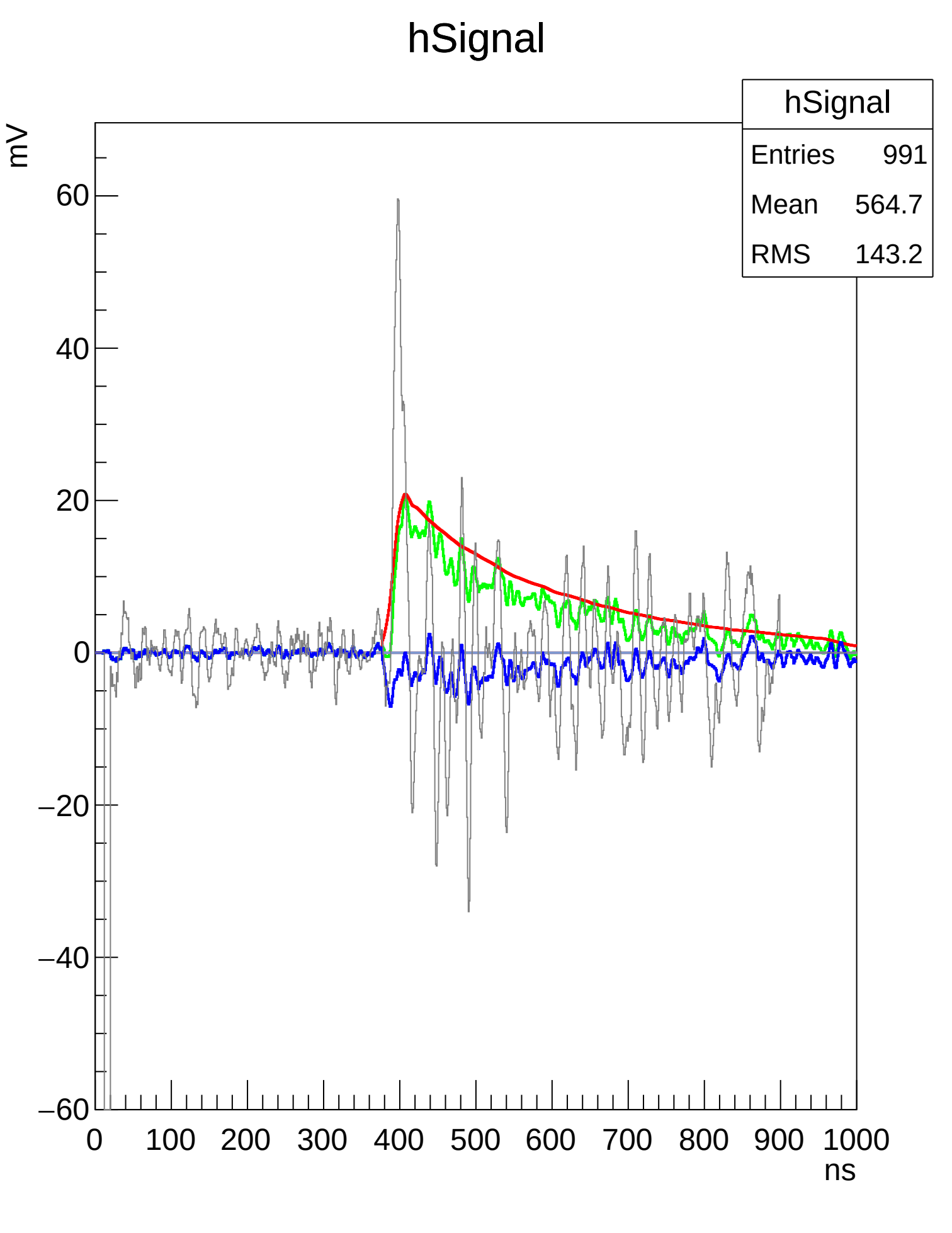
hSignal
hSignal
Entries 991
Mean 564.7
RMS 143.2
mV
60
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−40
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0
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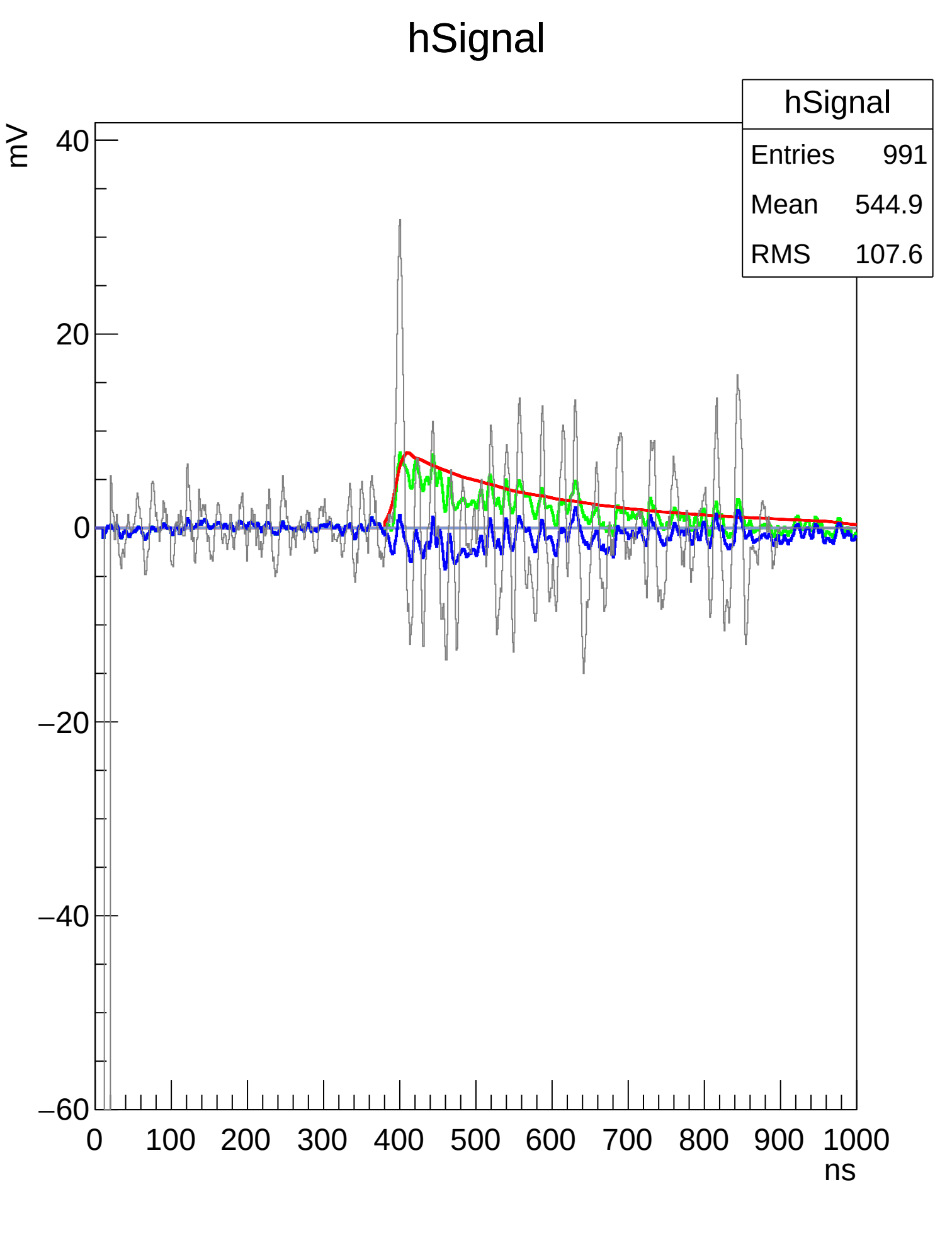
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.9
RMS 107.6
mV
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20
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−20
−40
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0
100
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400
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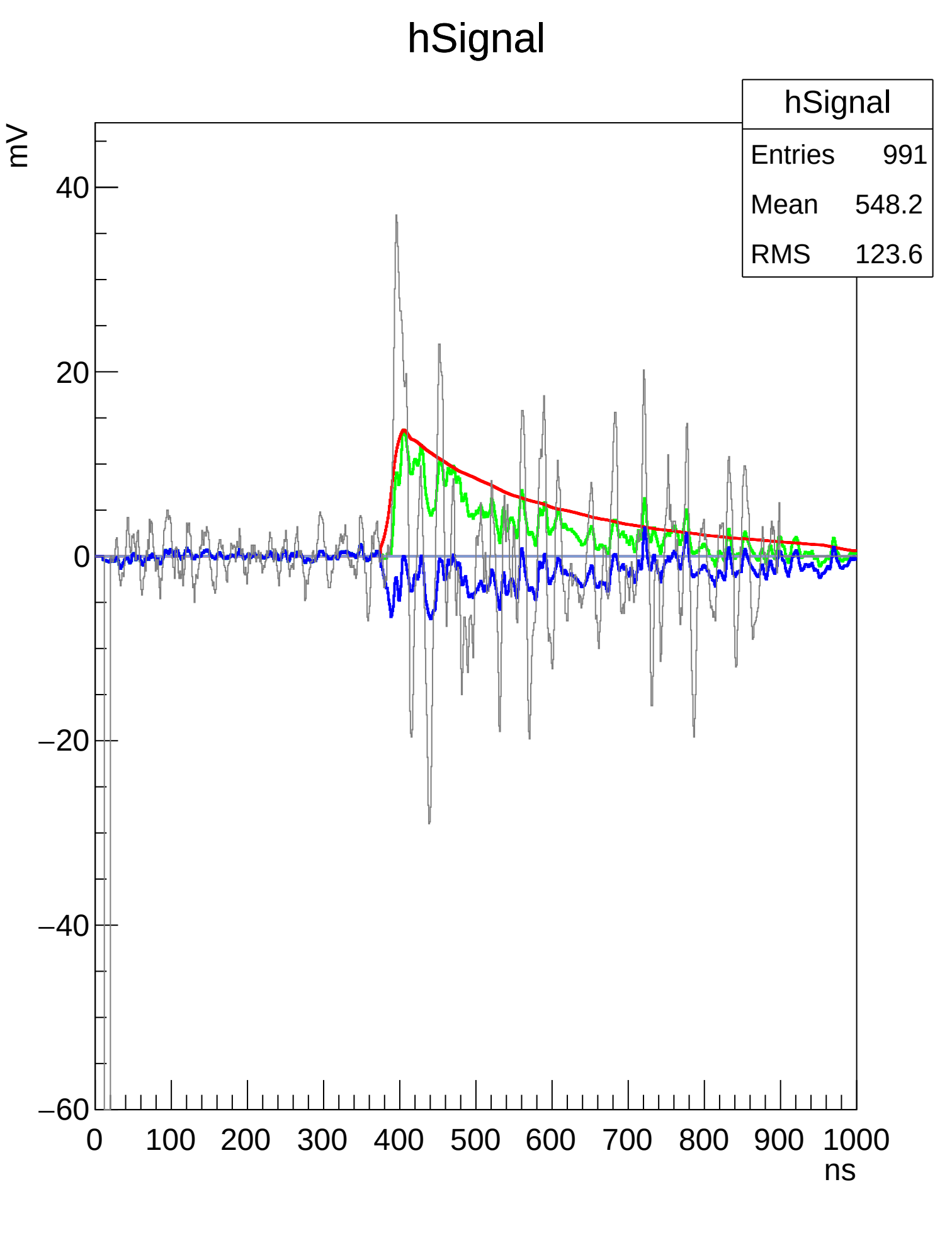
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.2
RMS 123.6
mV
40
20
0
−20
−40
−60
0
100
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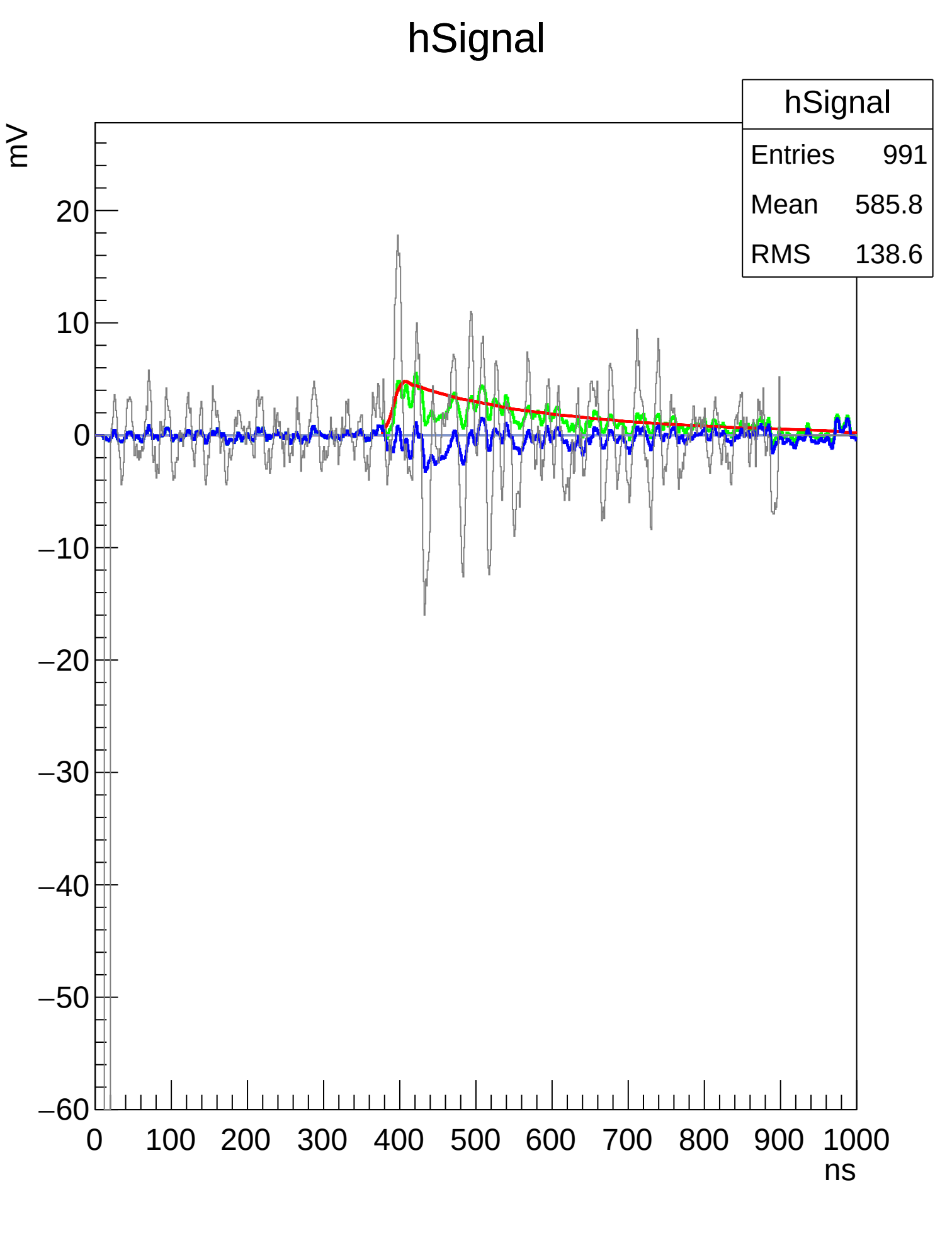
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.8
RMS 138.6
mV
20
10
0
−10
−20
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−40
−50
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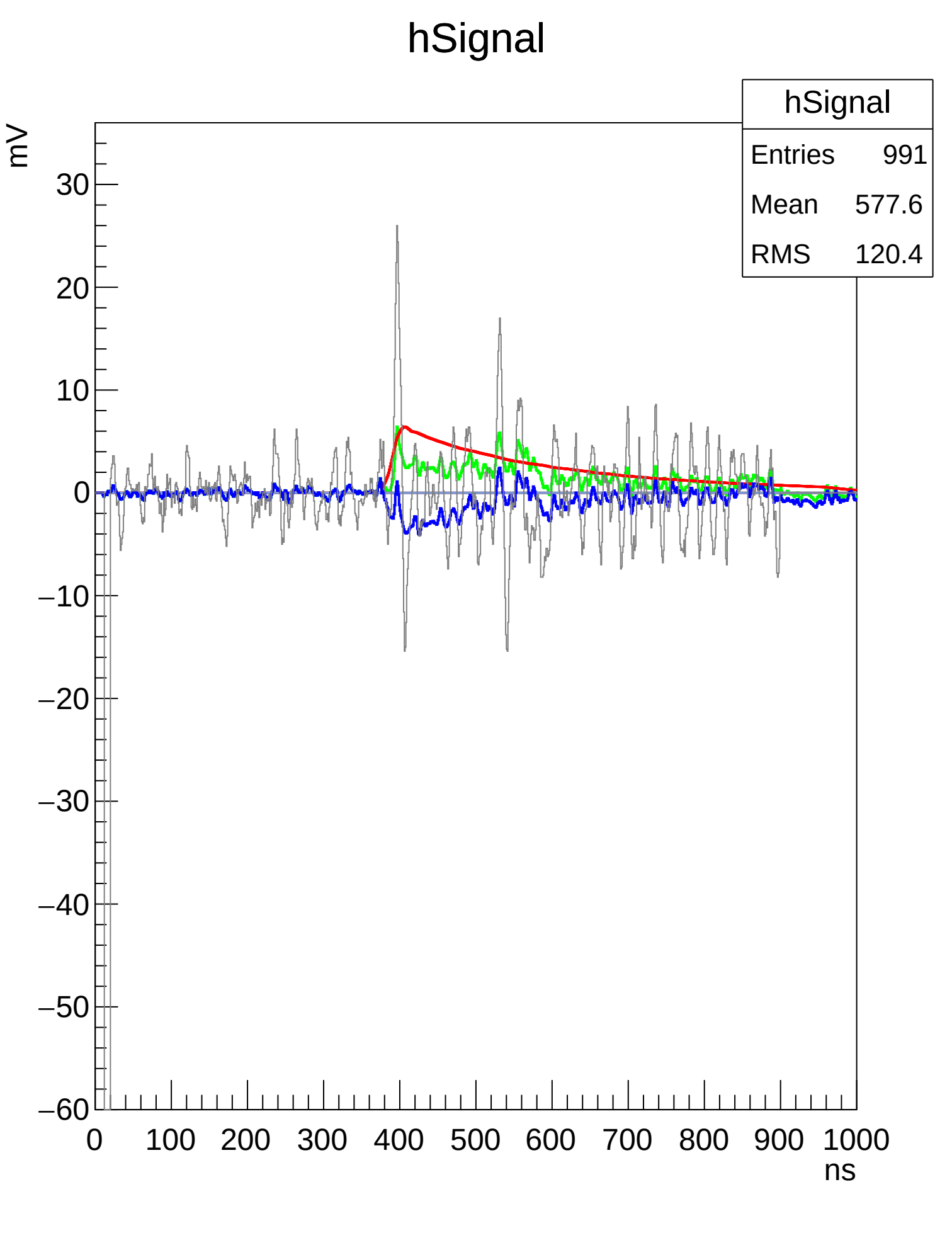
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.6
RMS 120.4
mV
30
20
10
0
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600
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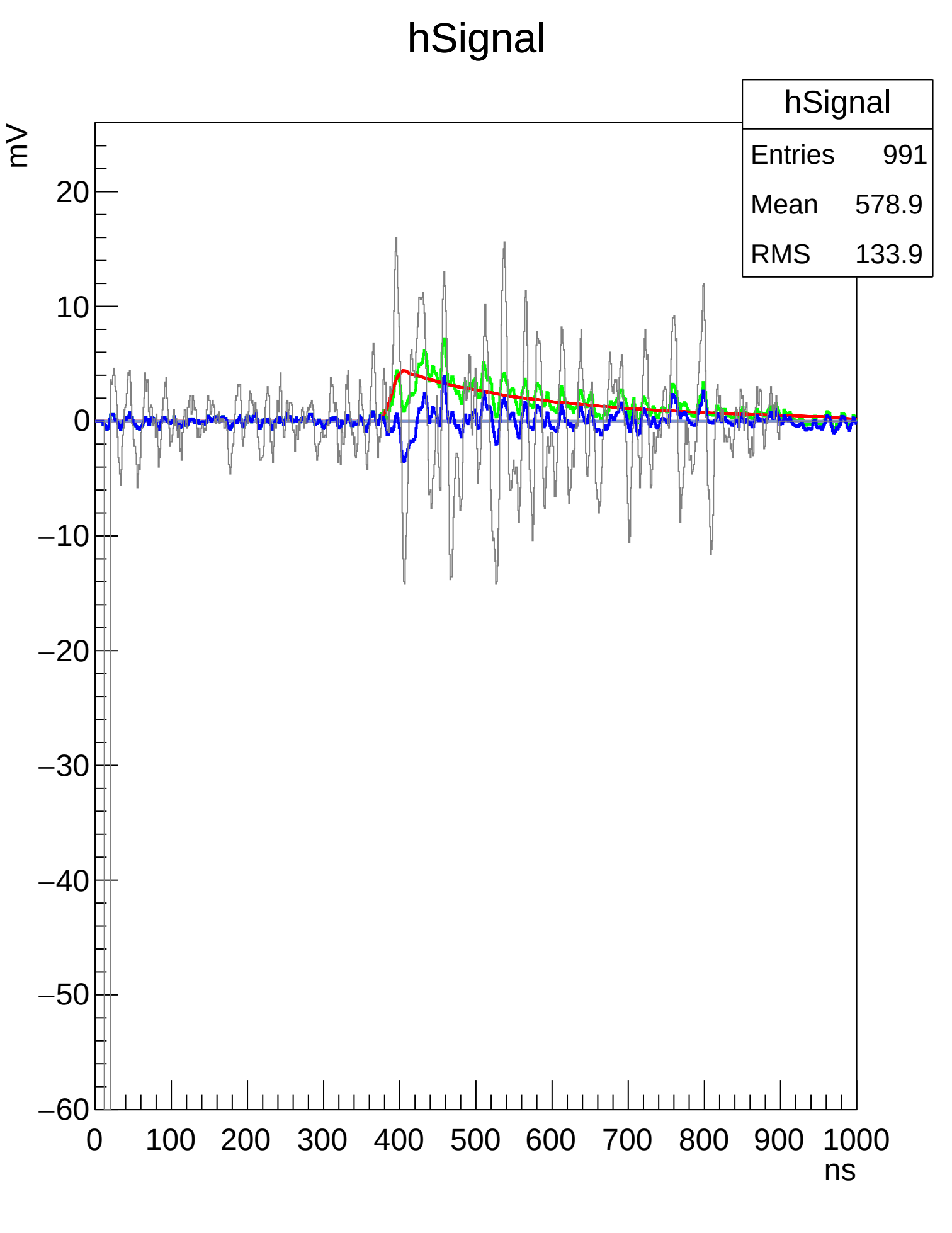
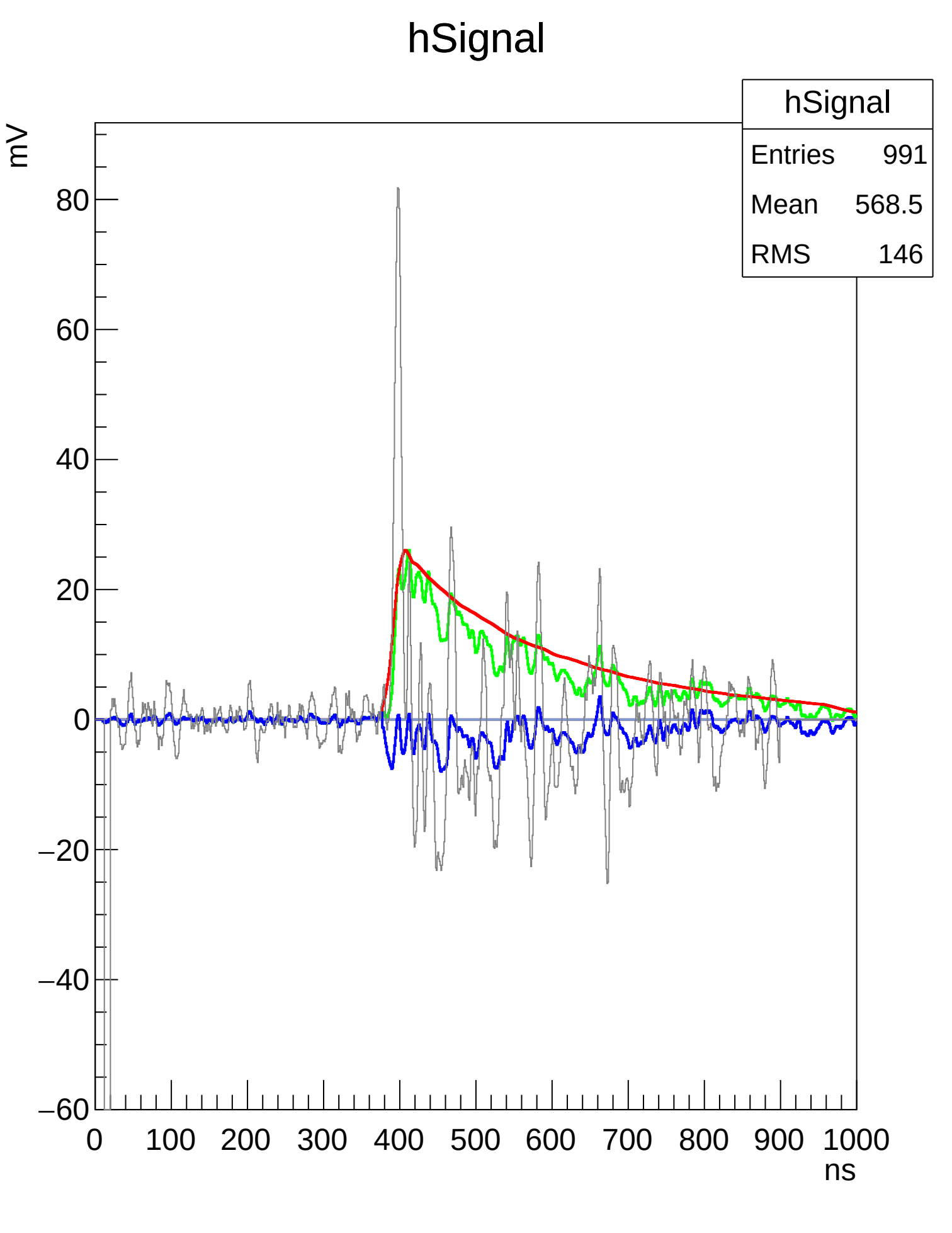
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 133.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.5
RMS 146
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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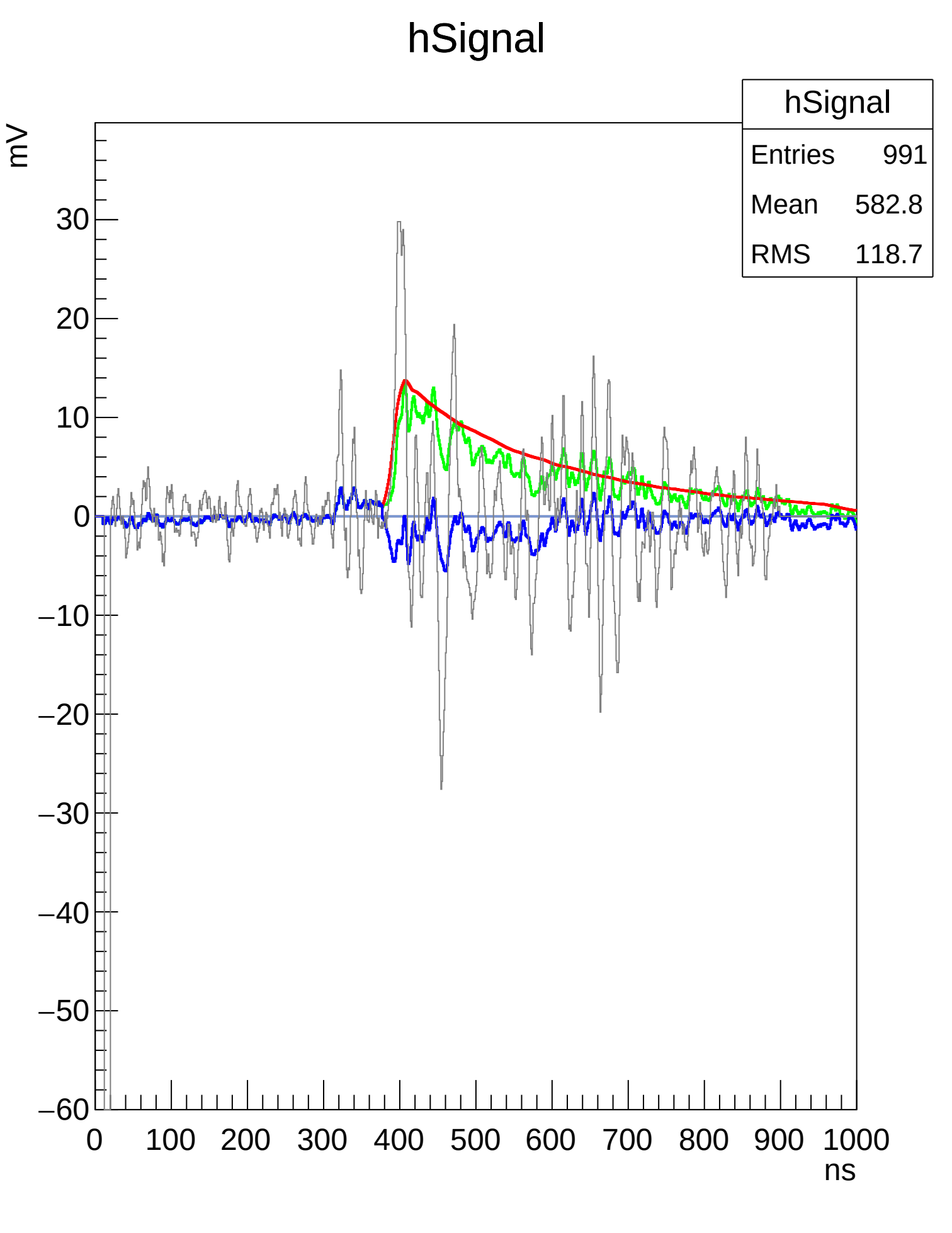
1000
ns


hSignal
hSignal
Entries 991
Mean 582.8
RMS 118.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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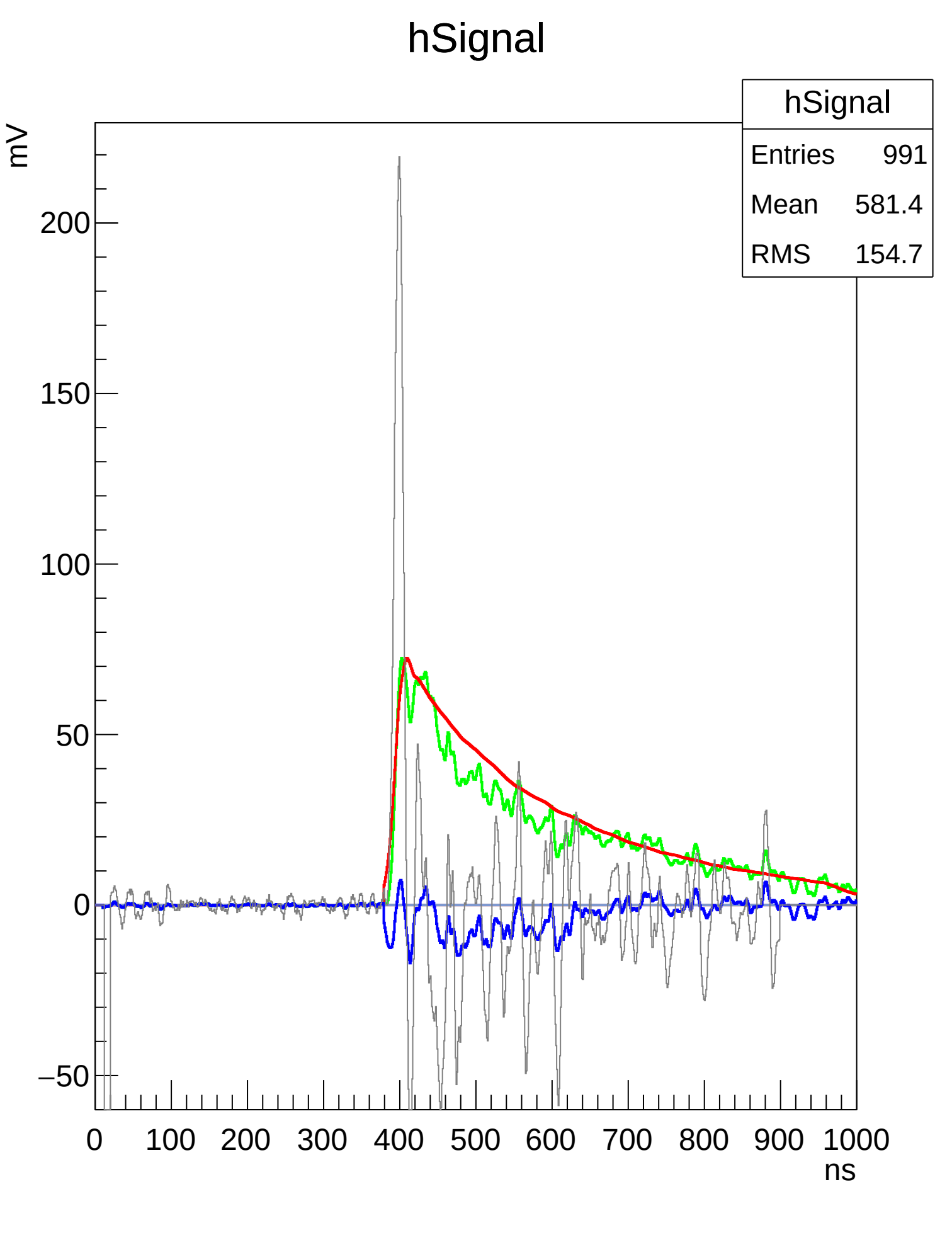
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.4
RMS 154.7
mV
200
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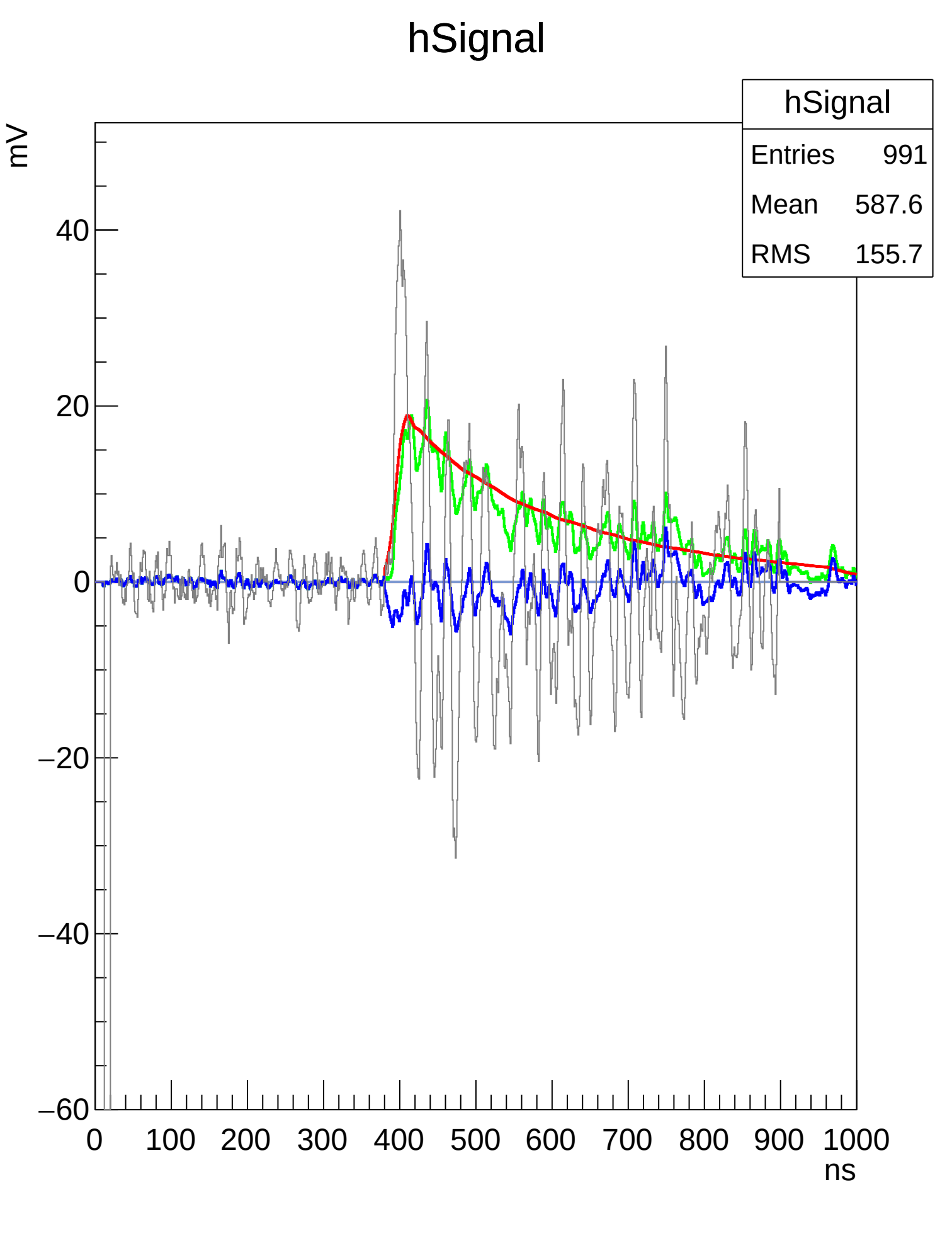
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.6
RMS 155.7
mV
40
20
0
−20
−40
−60
0
100
200
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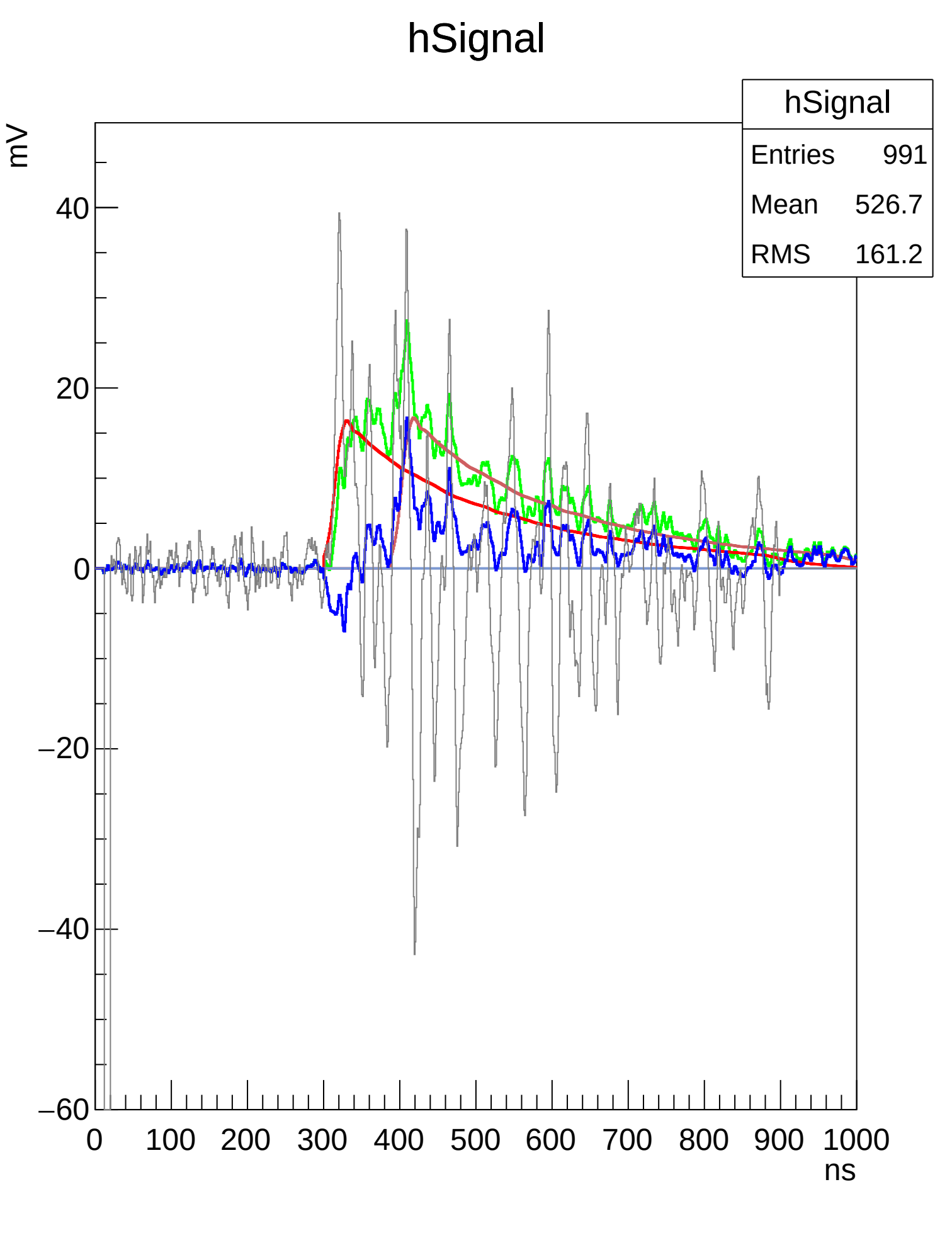
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.7
RMS 161.2
mV
40
20
0
−20
−40
−60
0
100
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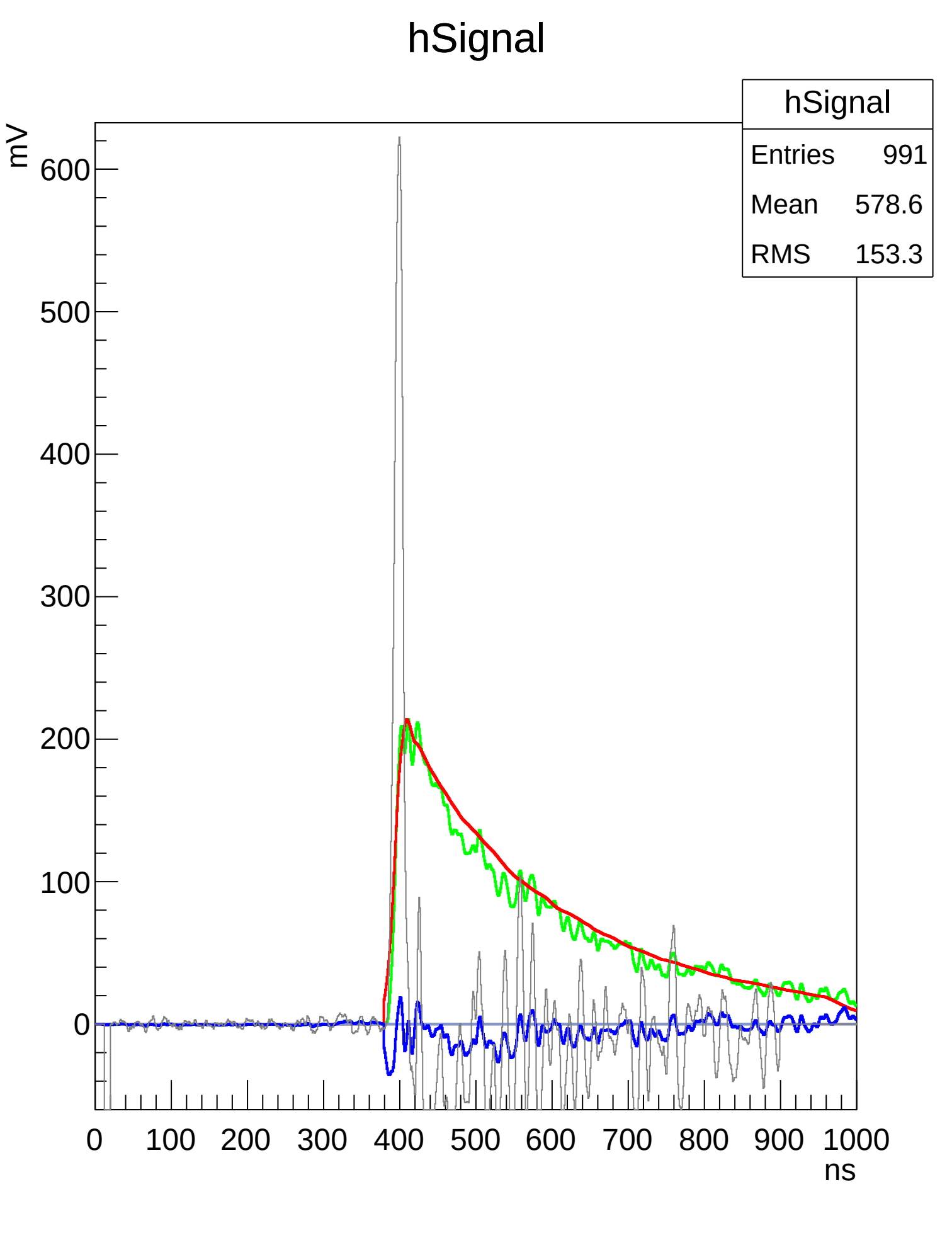
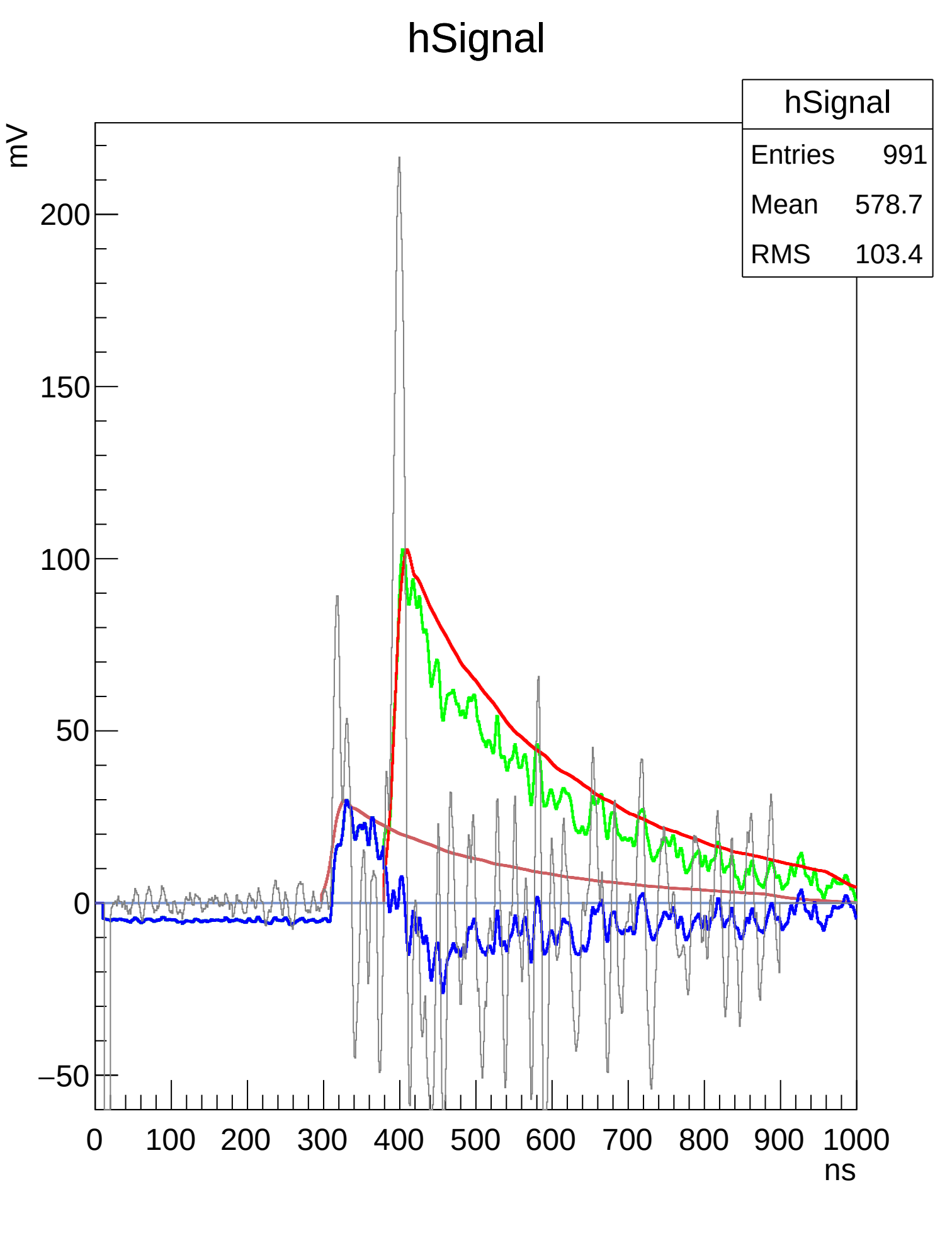
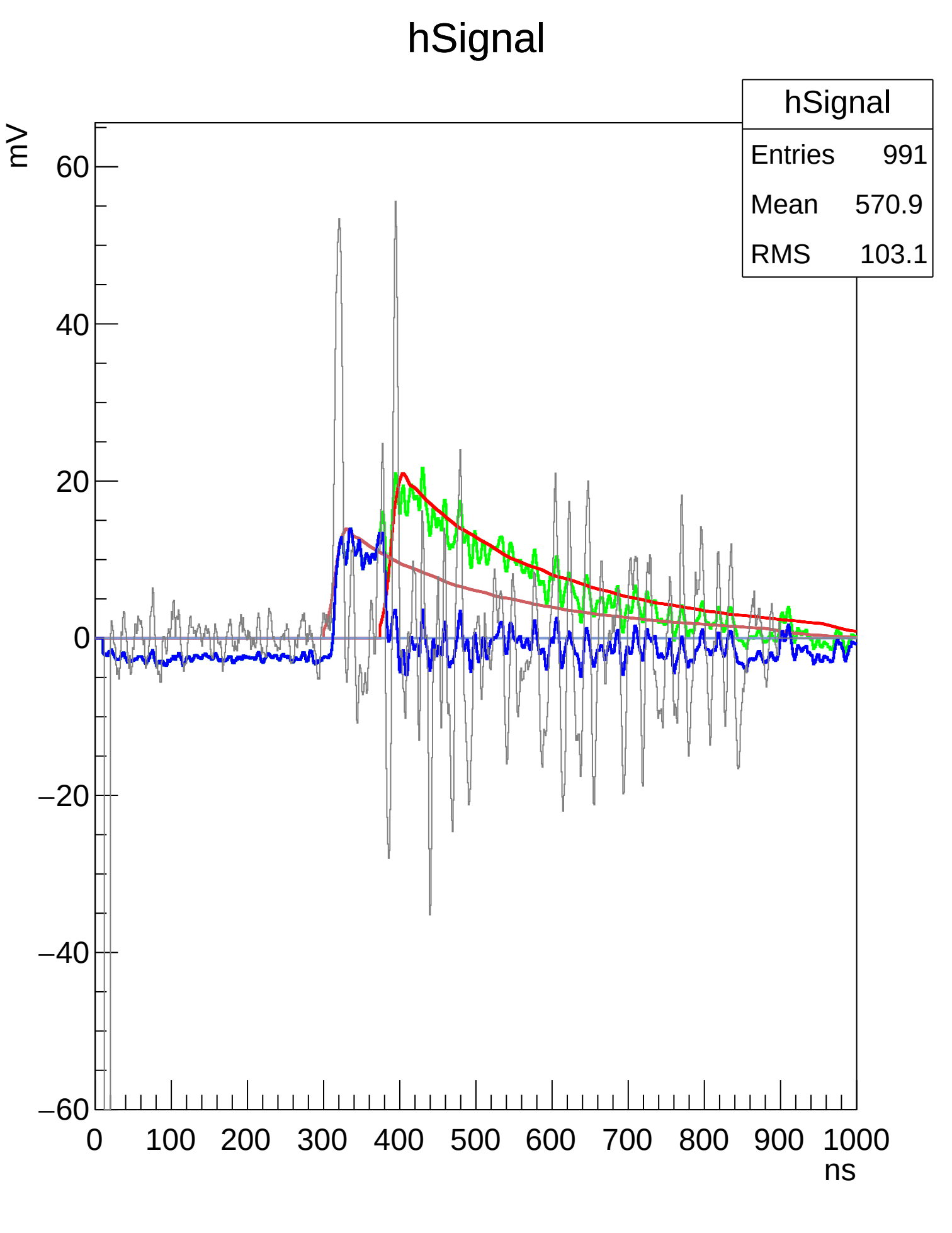
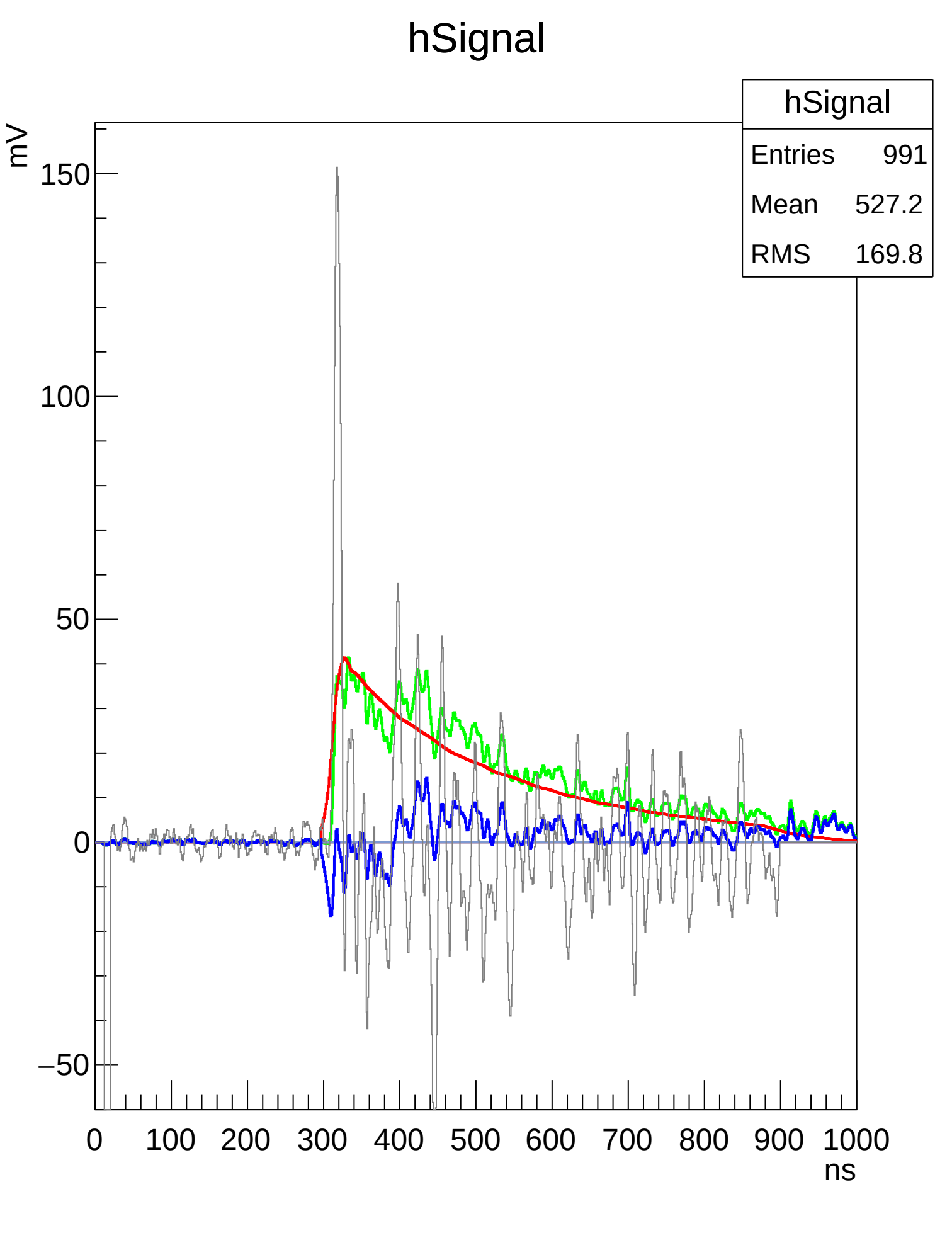
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.6
RMS 153.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 103.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.9
RMS 103.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.2
RMS 169.8
mV
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100
50
0
−50
0
100
200
300
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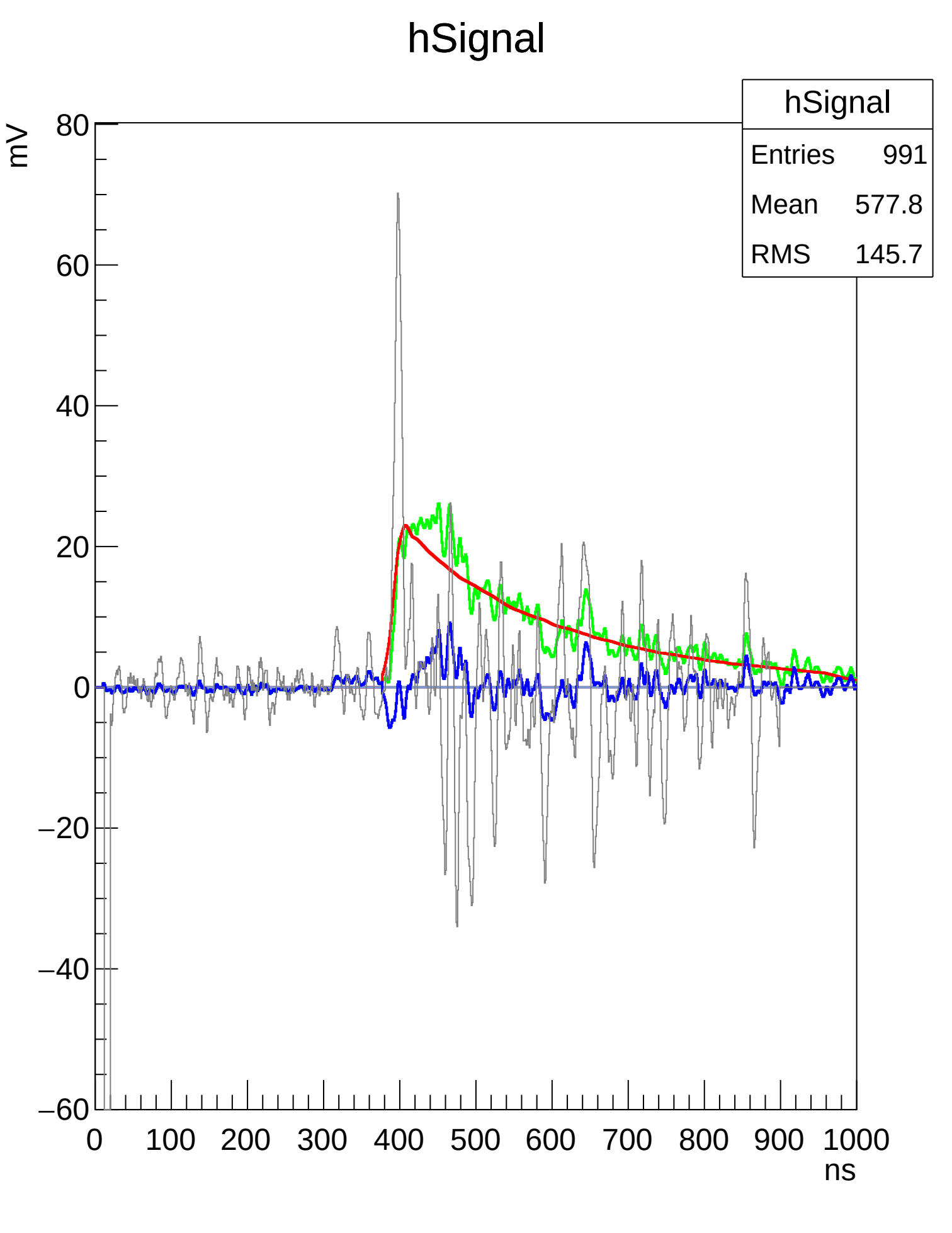
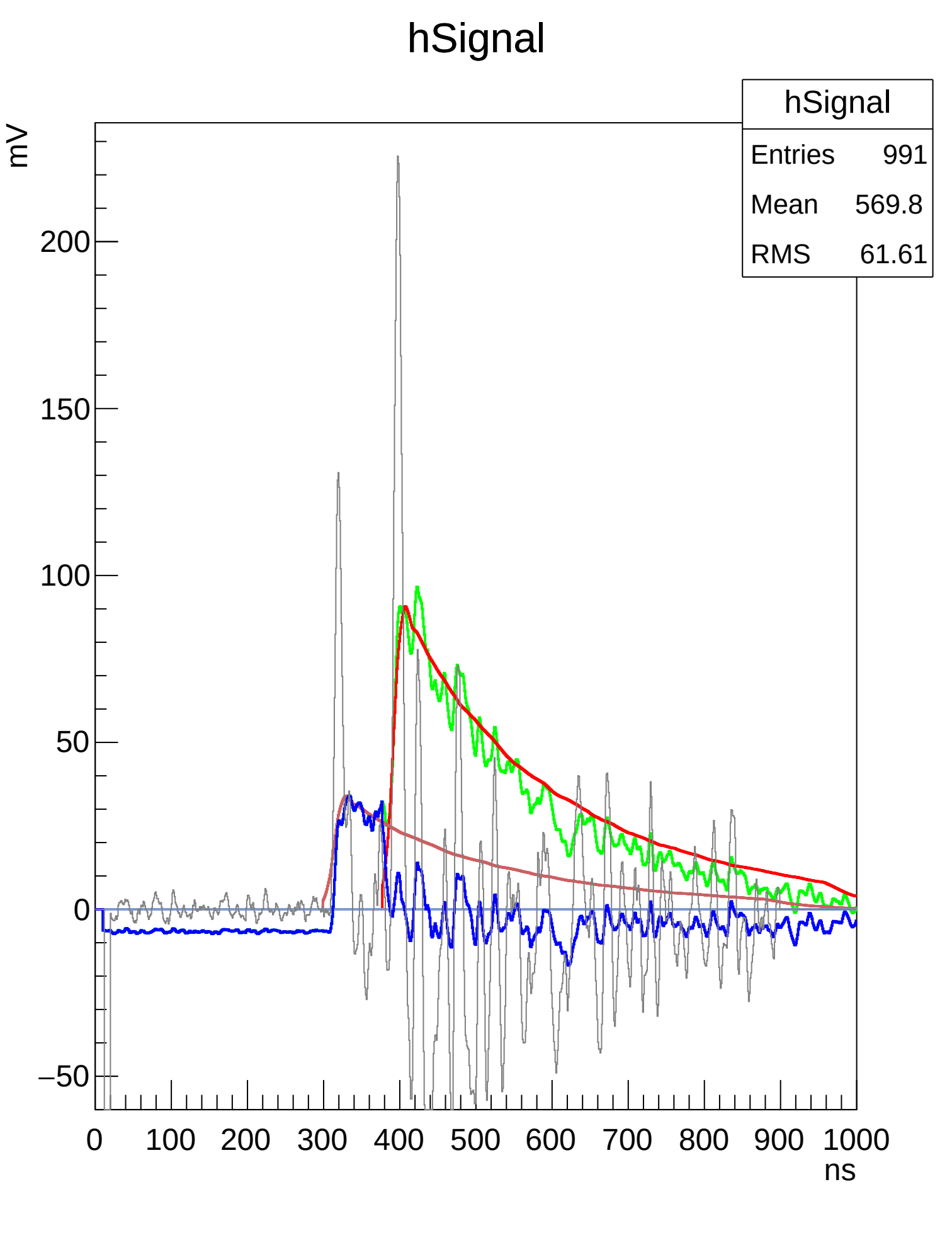
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 145.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.8
RMS 61.61
mV
200
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100
50
0
−50
0
100
200
300
400
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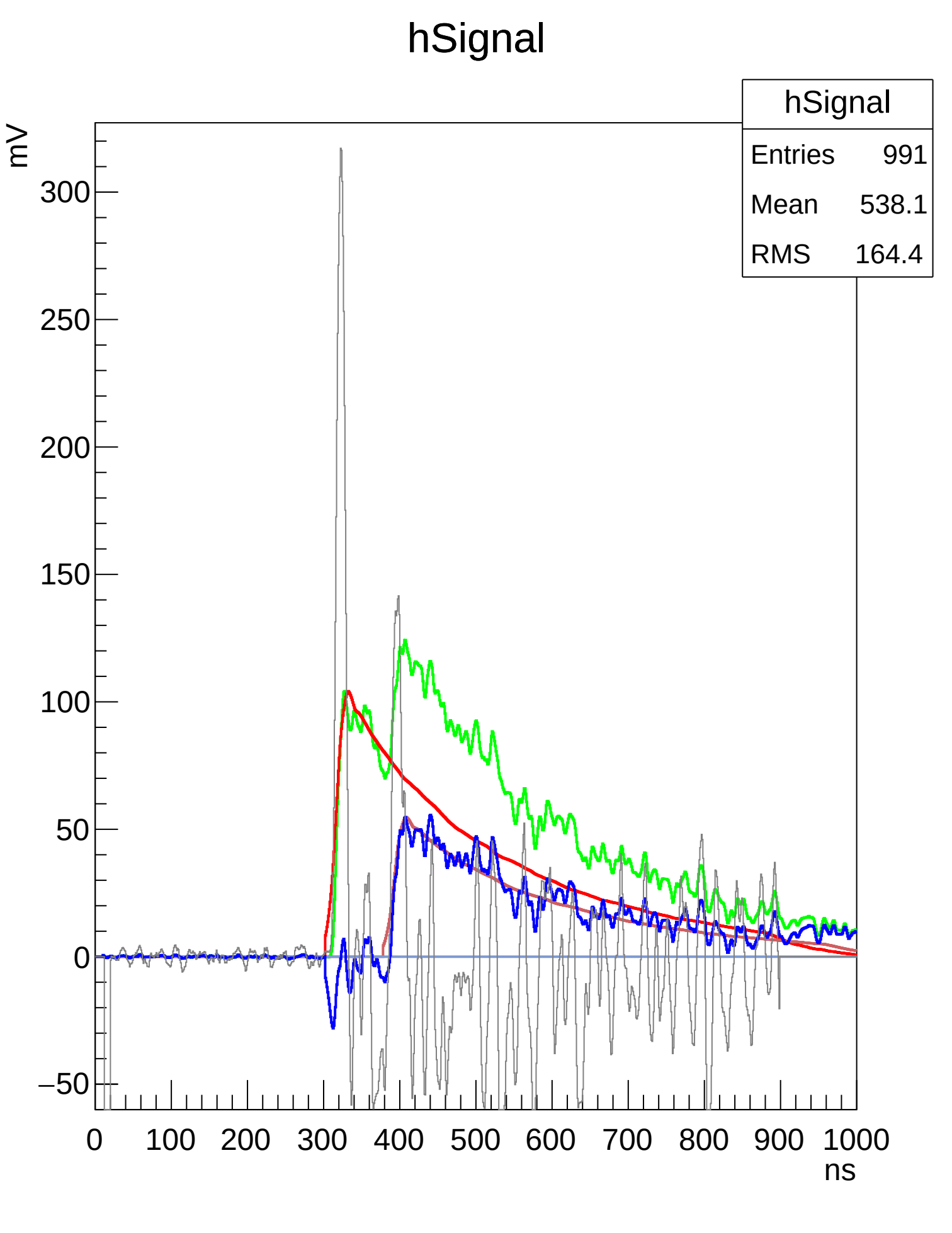
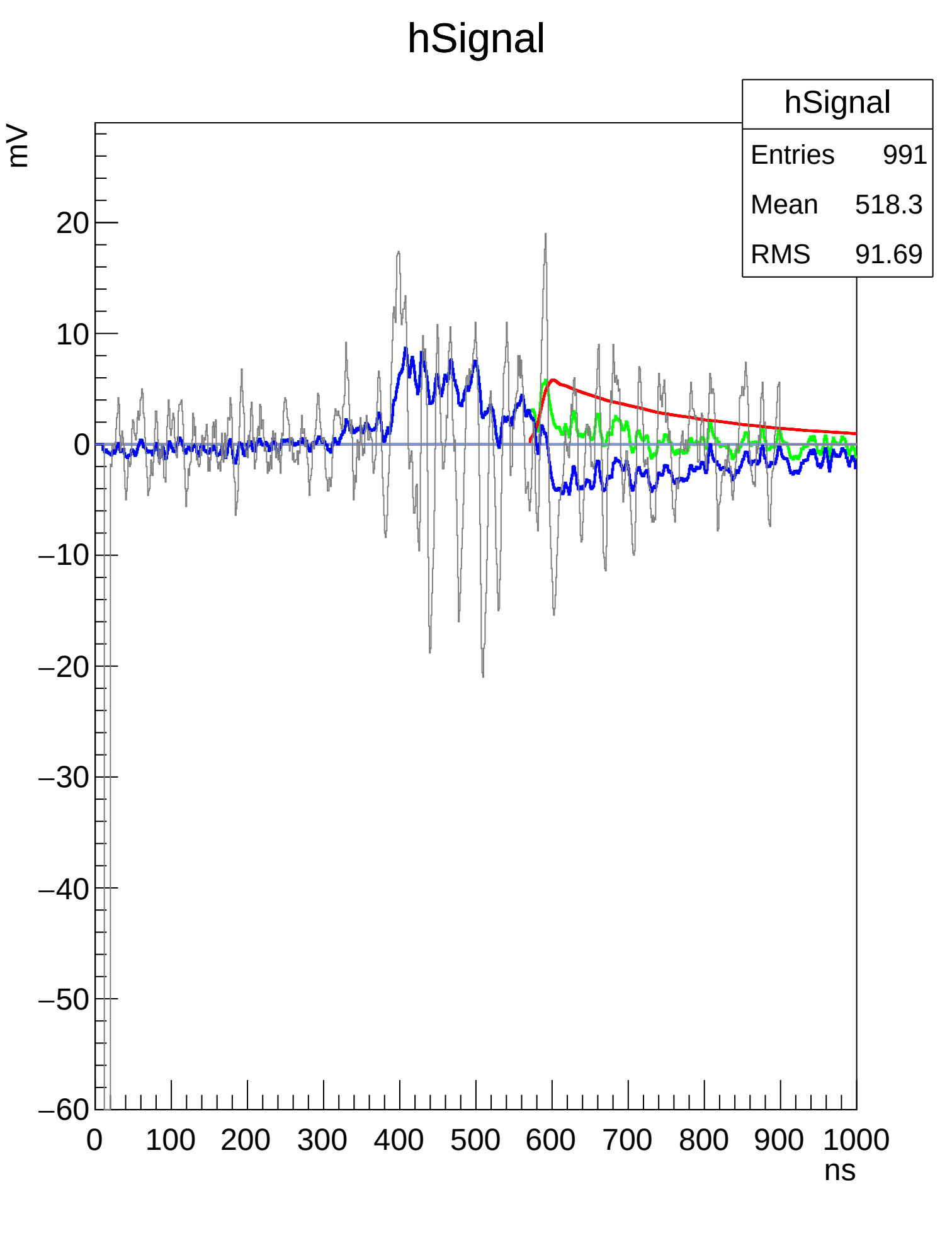
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 164.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.3
RMS 91.69
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
700
800
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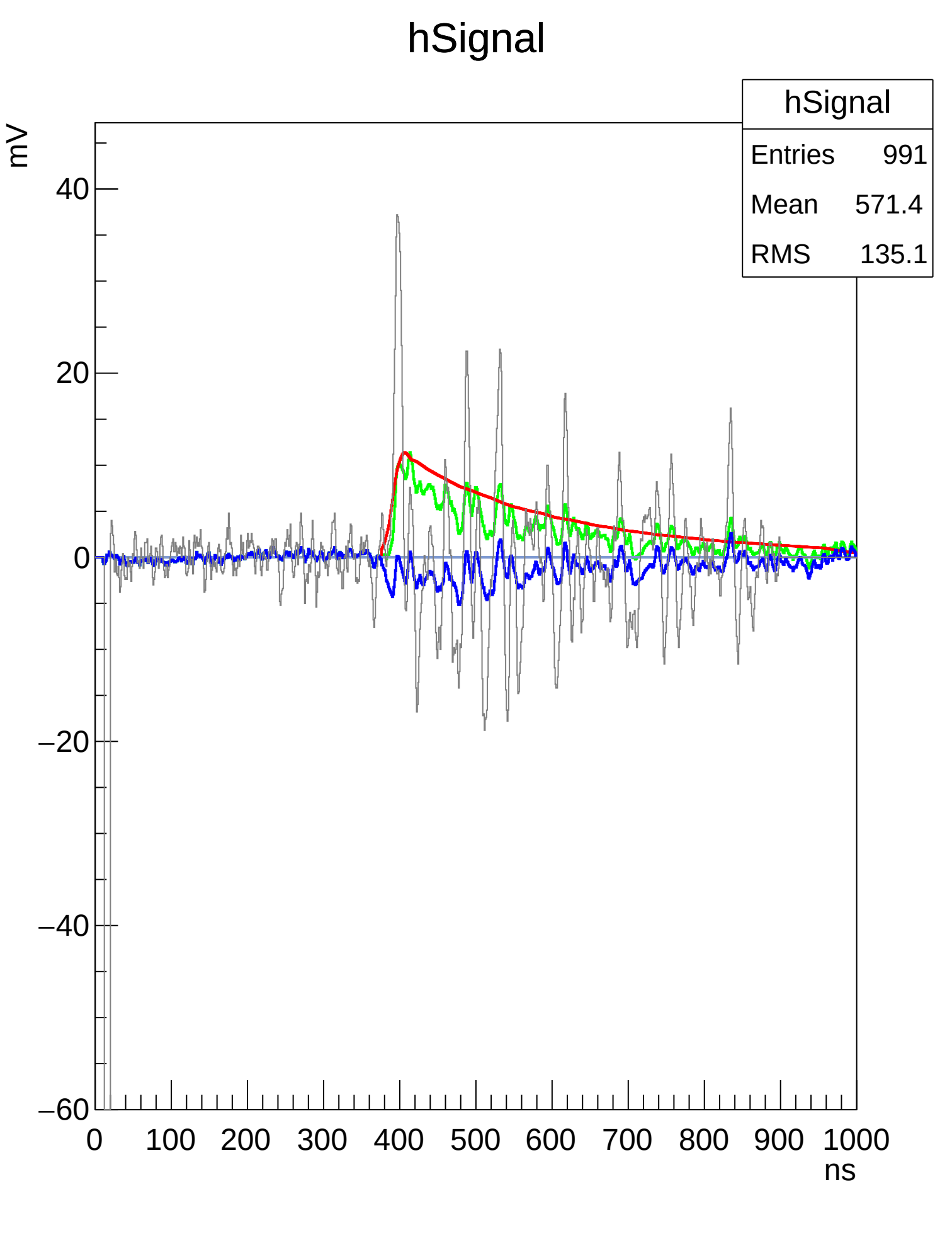
1000
ns


hSignal
hSignal
Entries 991
Mean 571.4
RMS 135.1
mV
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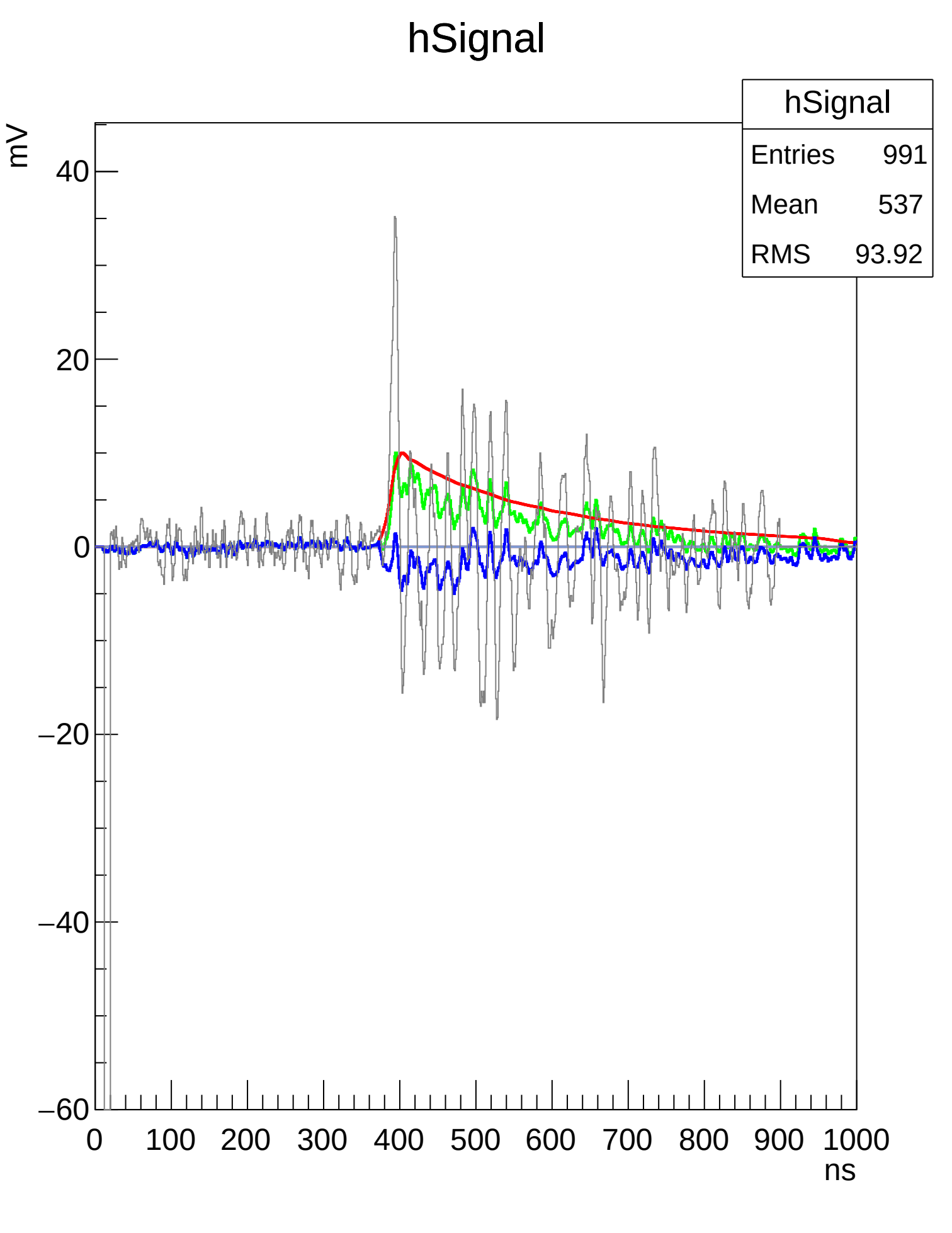
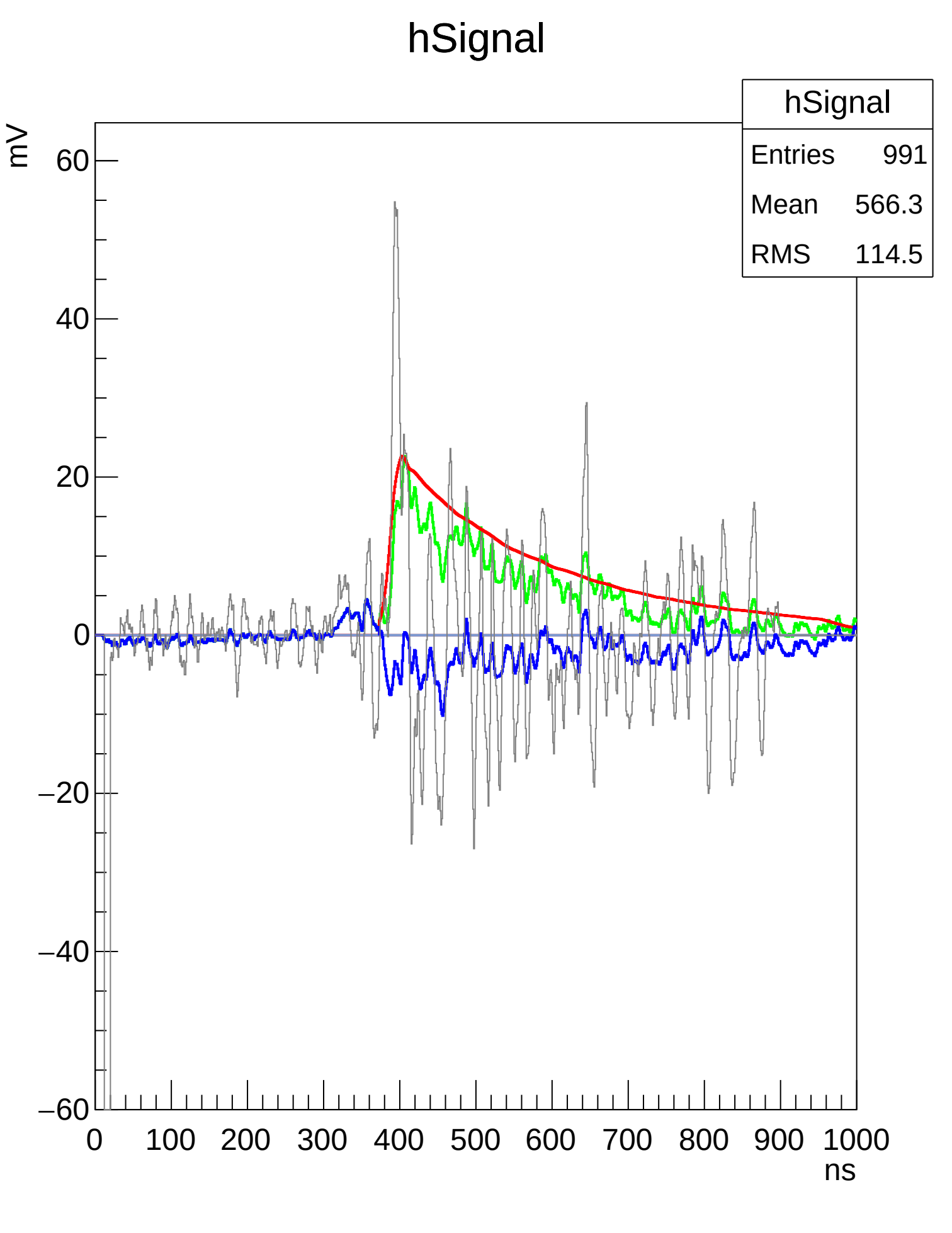
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537
RMS 93.92
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.3
RMS 114.5
mV
60
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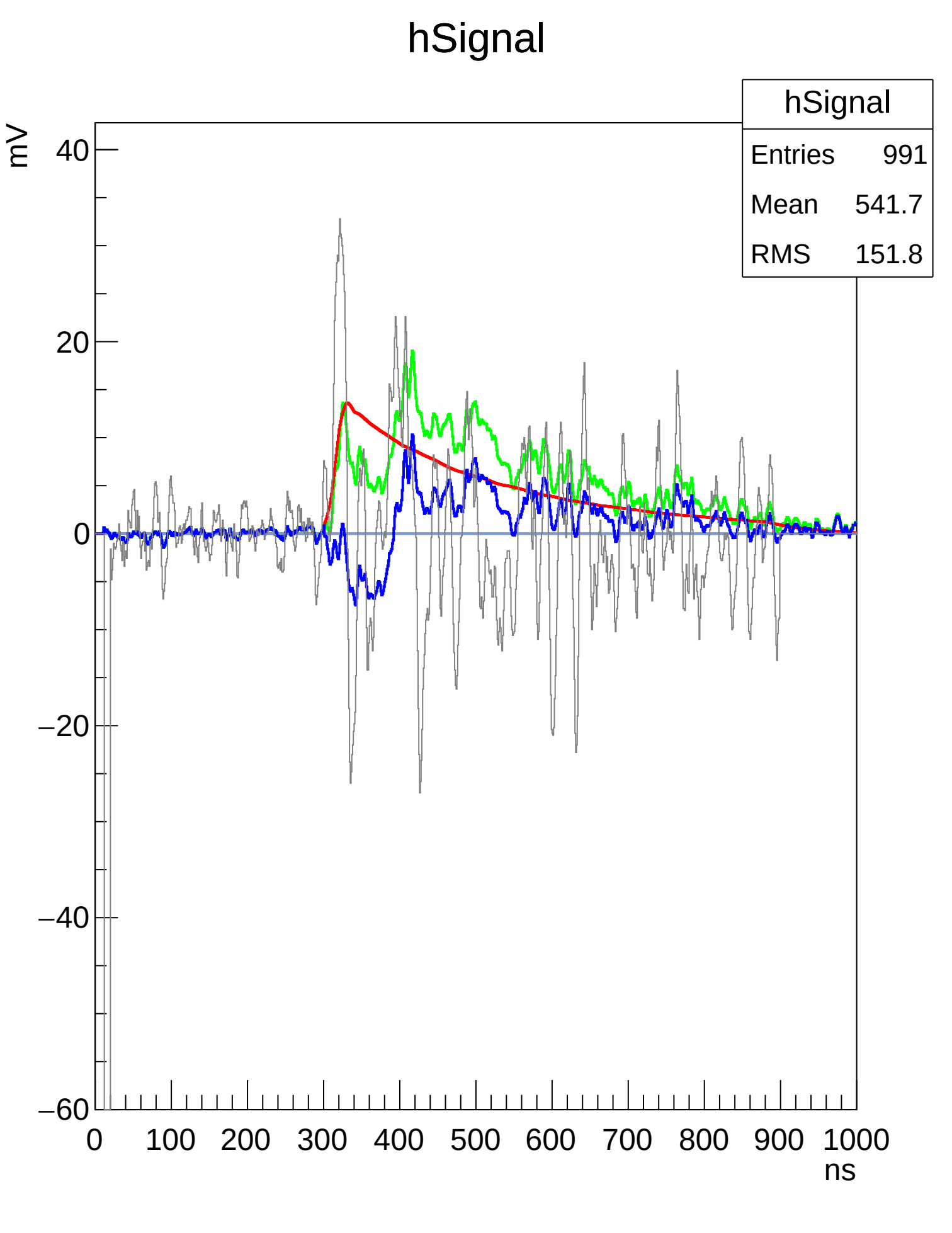
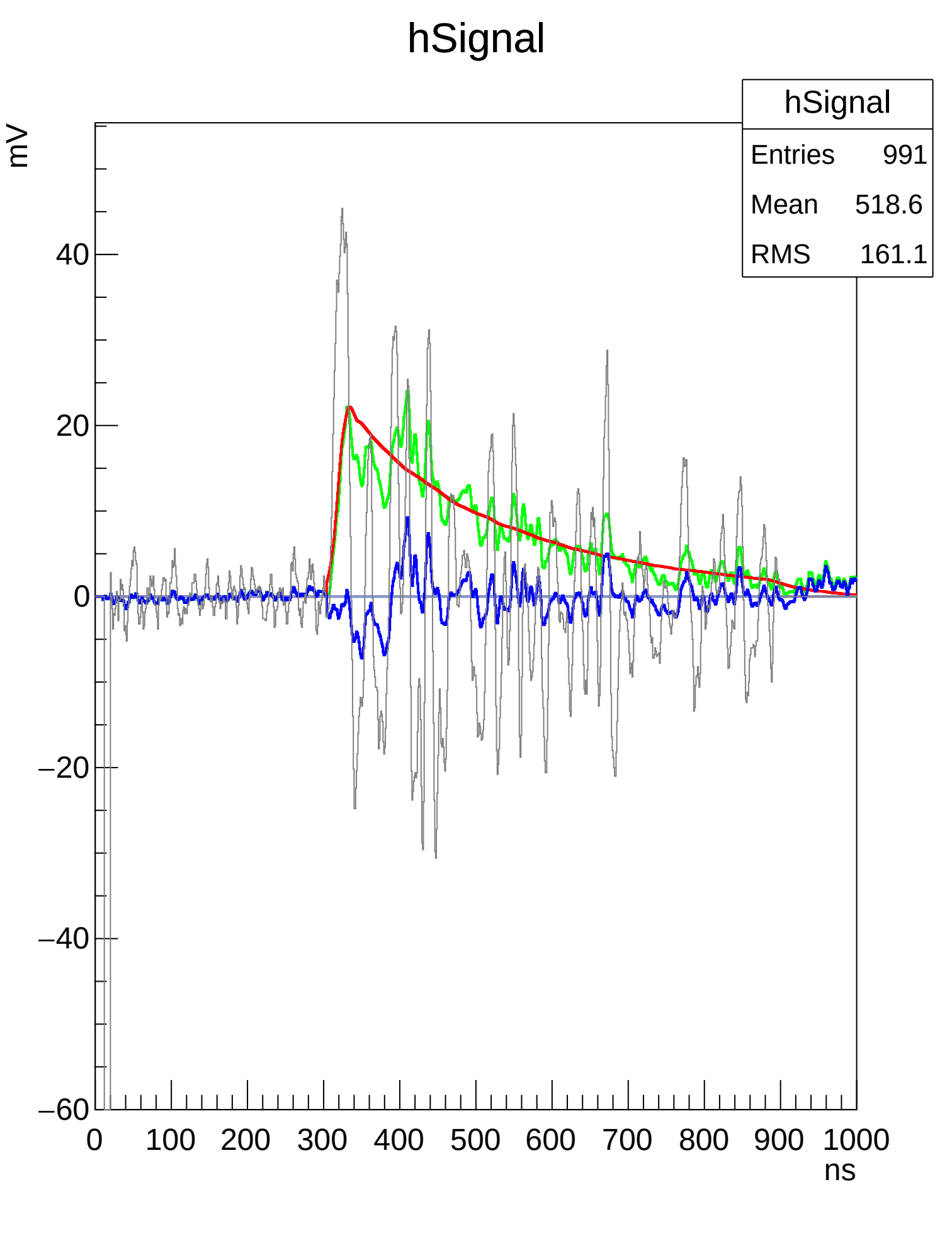
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.7
RMS 151.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.6
RMS 161.1
mV
40
20
0
−20
−40
−60
0
100
200
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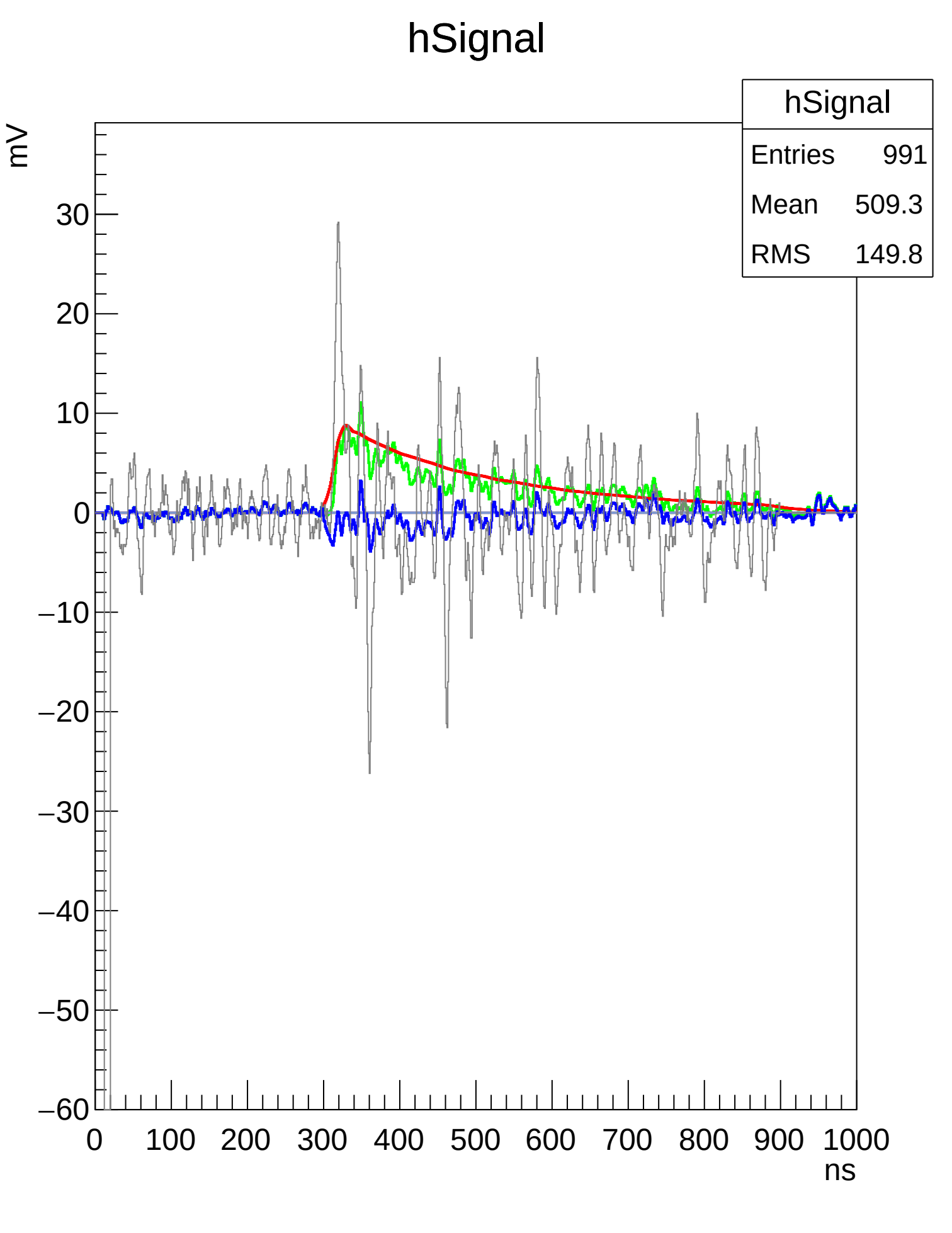
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.3
RMS 149.8
mV
30
20
10
0
−10
−20
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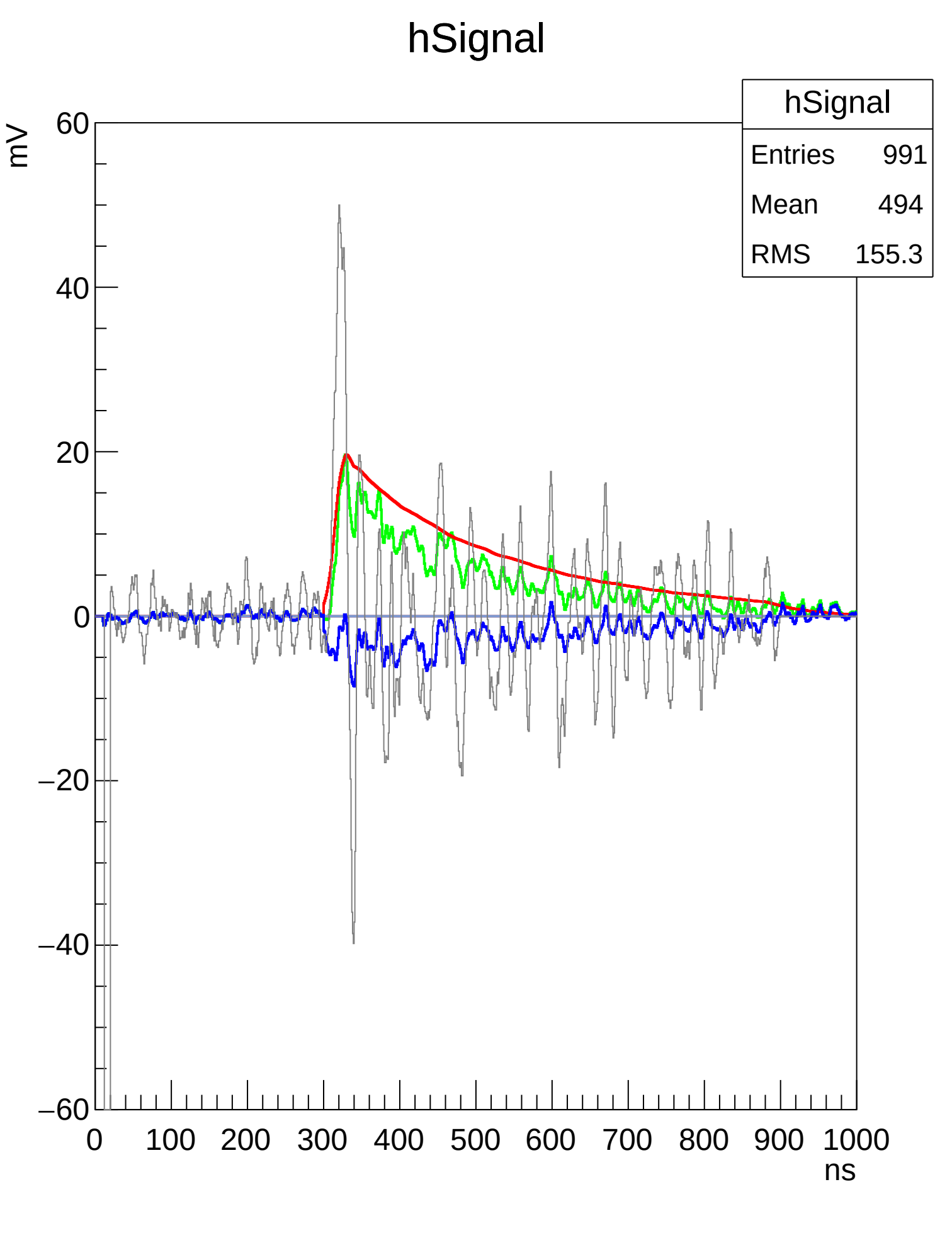
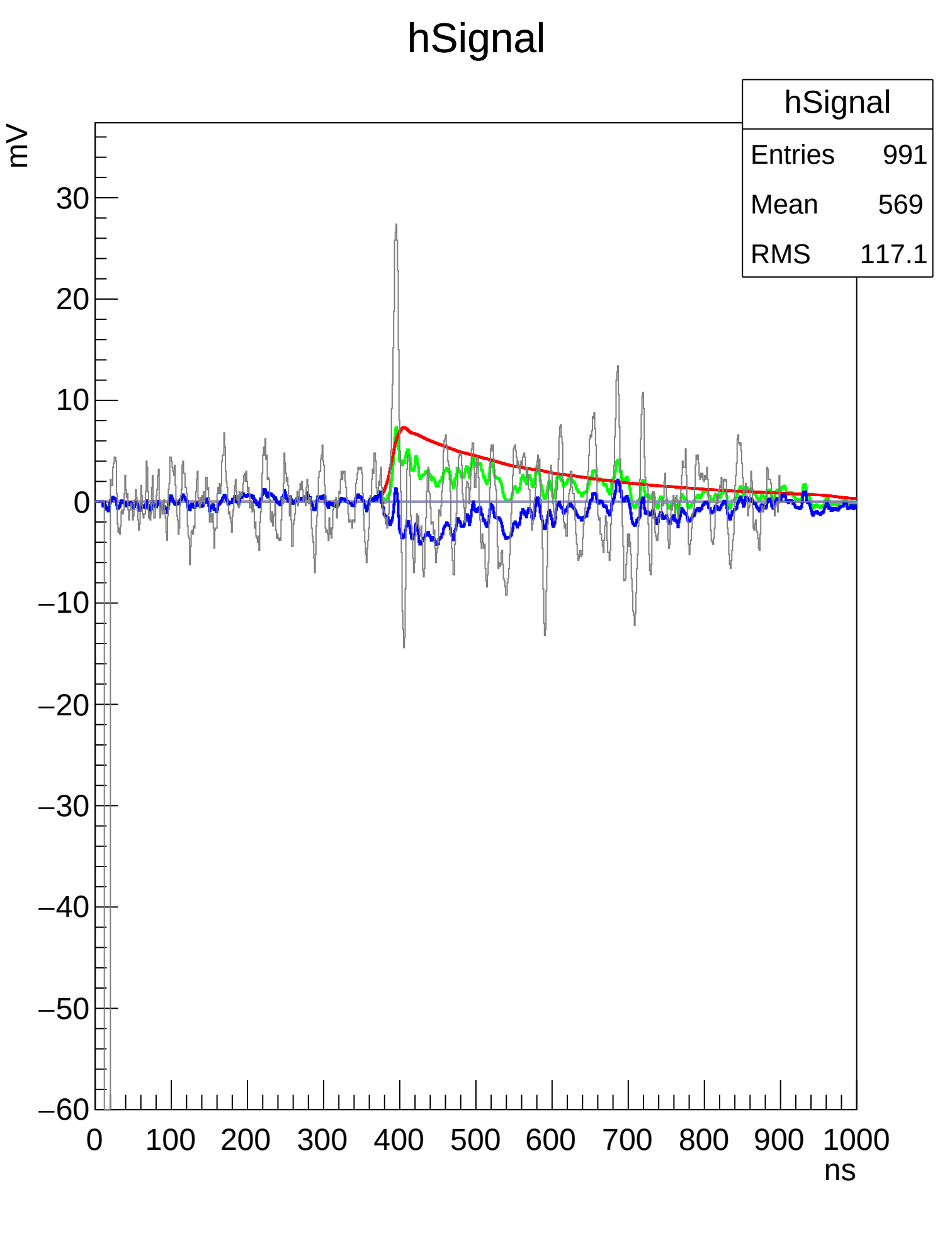
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494
RMS 155.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569
RMS 117.1
mV
30
20
10
0
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−20
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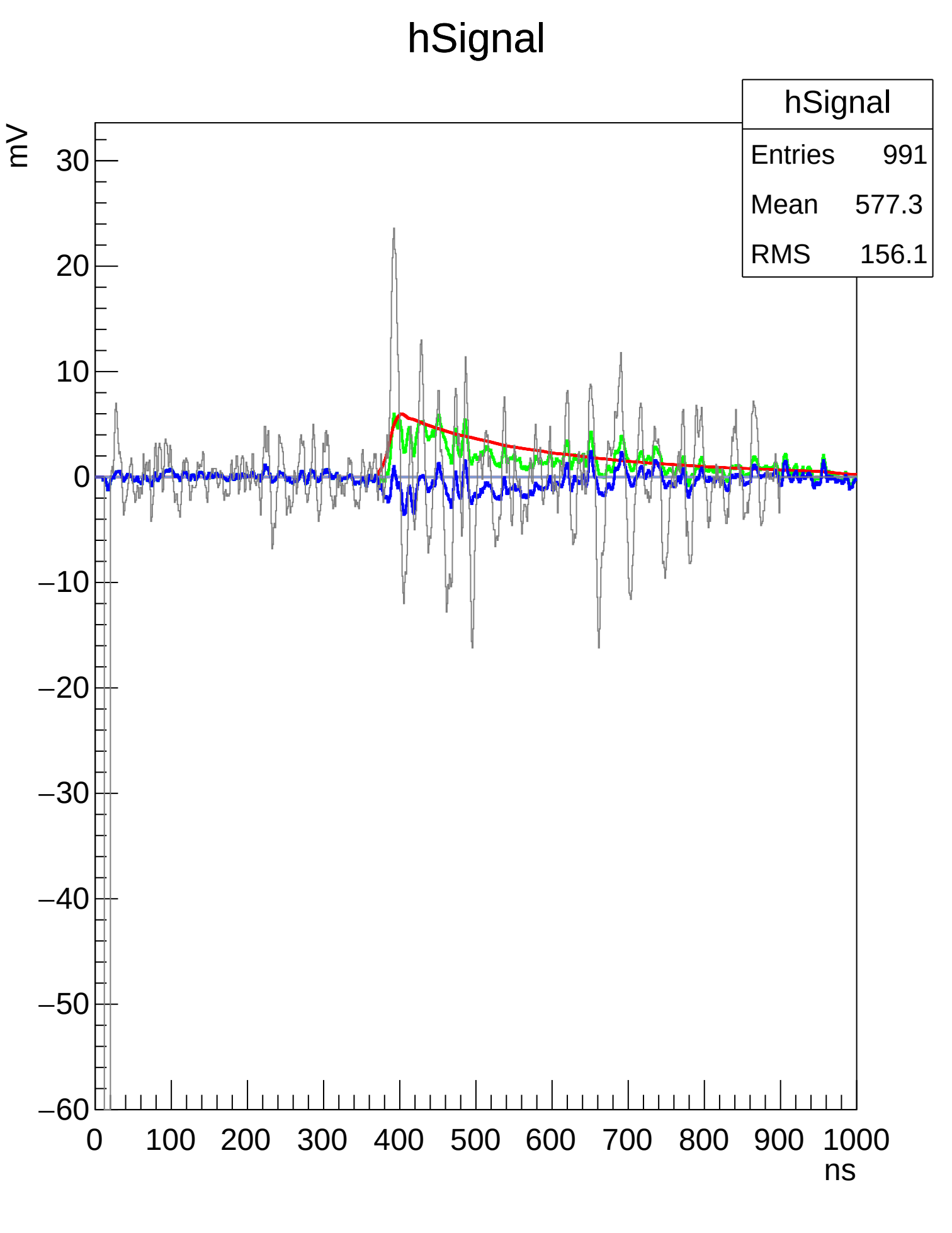
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.3
RMS 156.1
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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600
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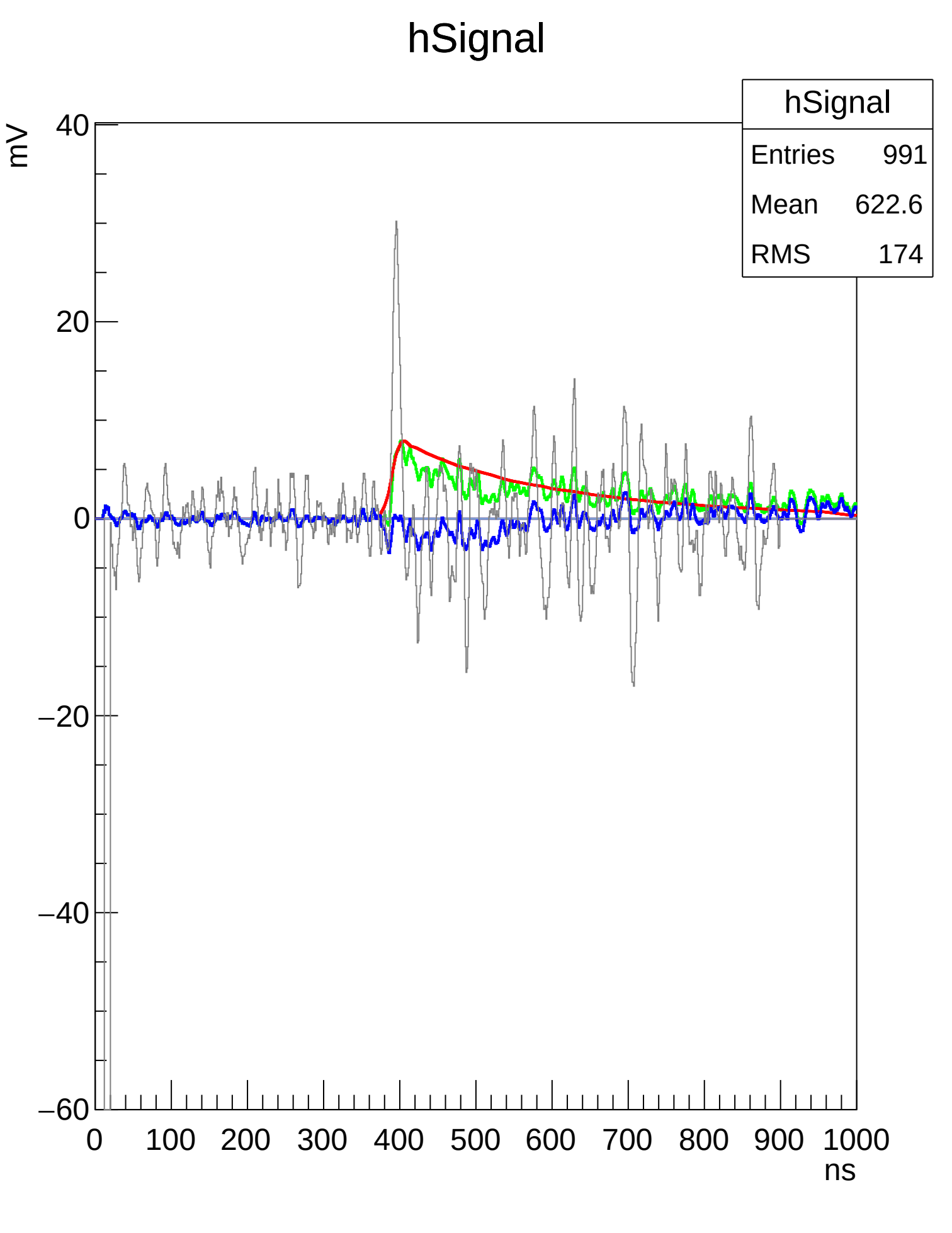
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.6
RMS 174
mV
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−20
−40
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0
100
200
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800
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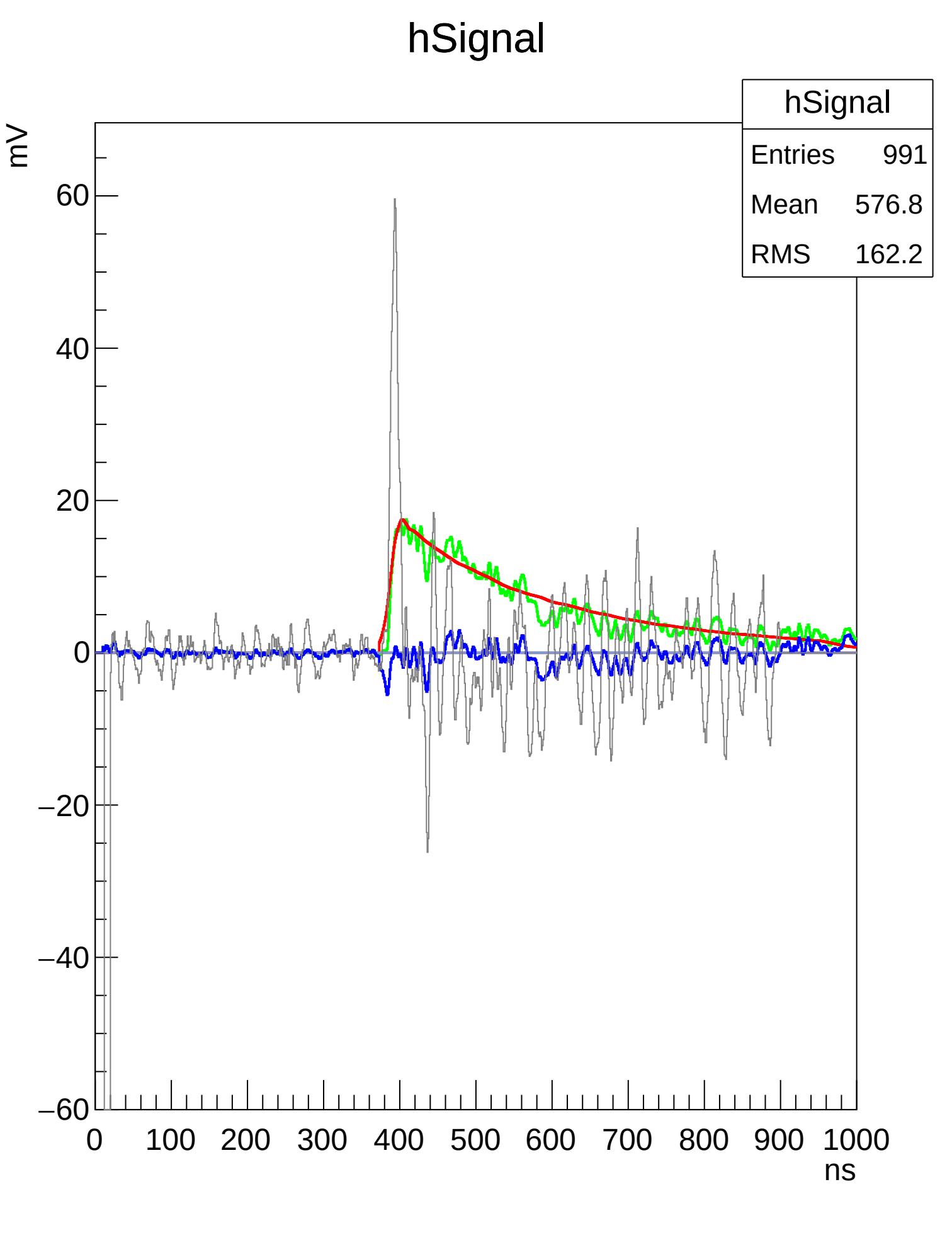
1000
ns


hSignal
hSignal
Entries 991
Mean 576.8
RMS 162.2
mV
60
40
20
0
−20
−40
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0
100
200
300
400
500
600
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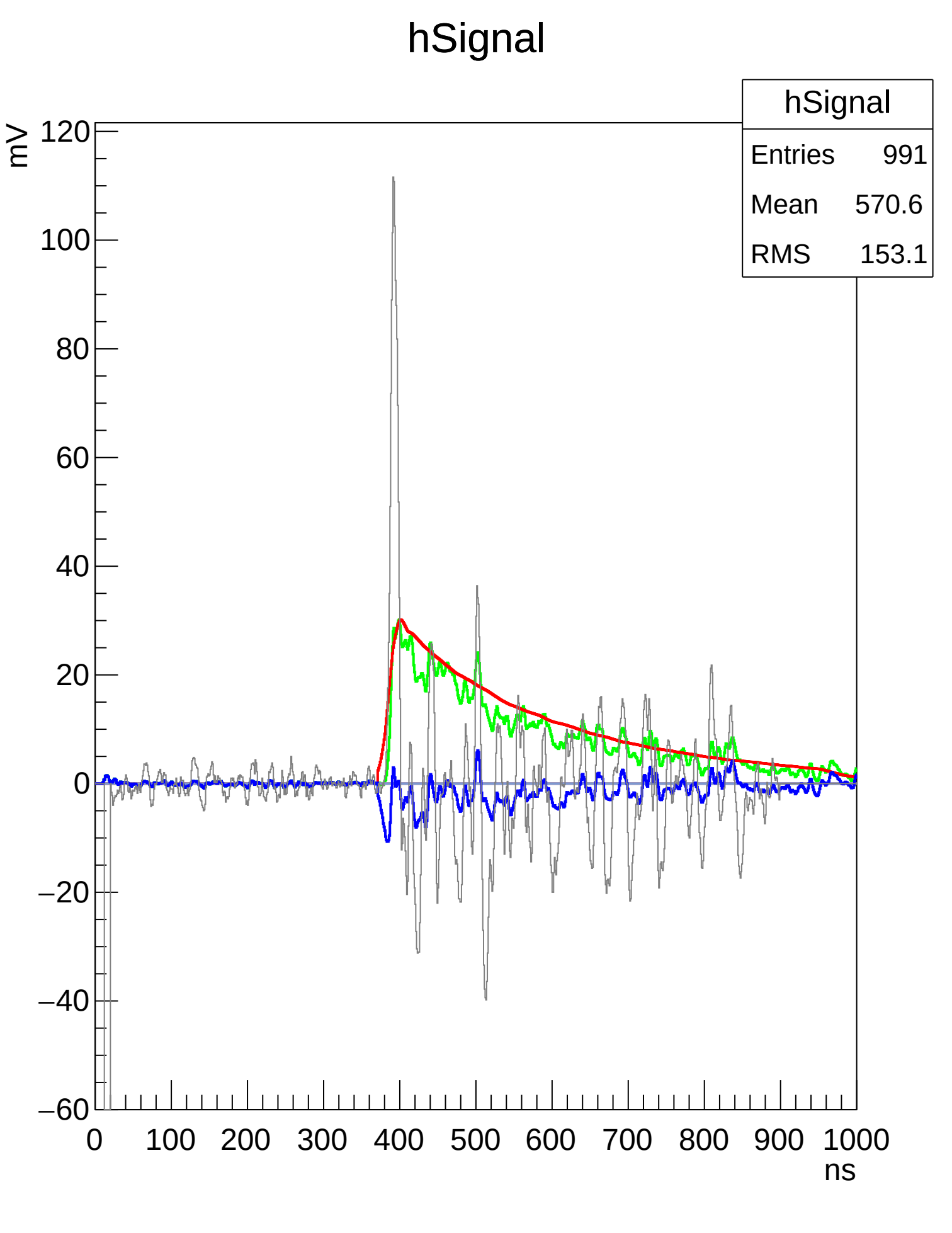
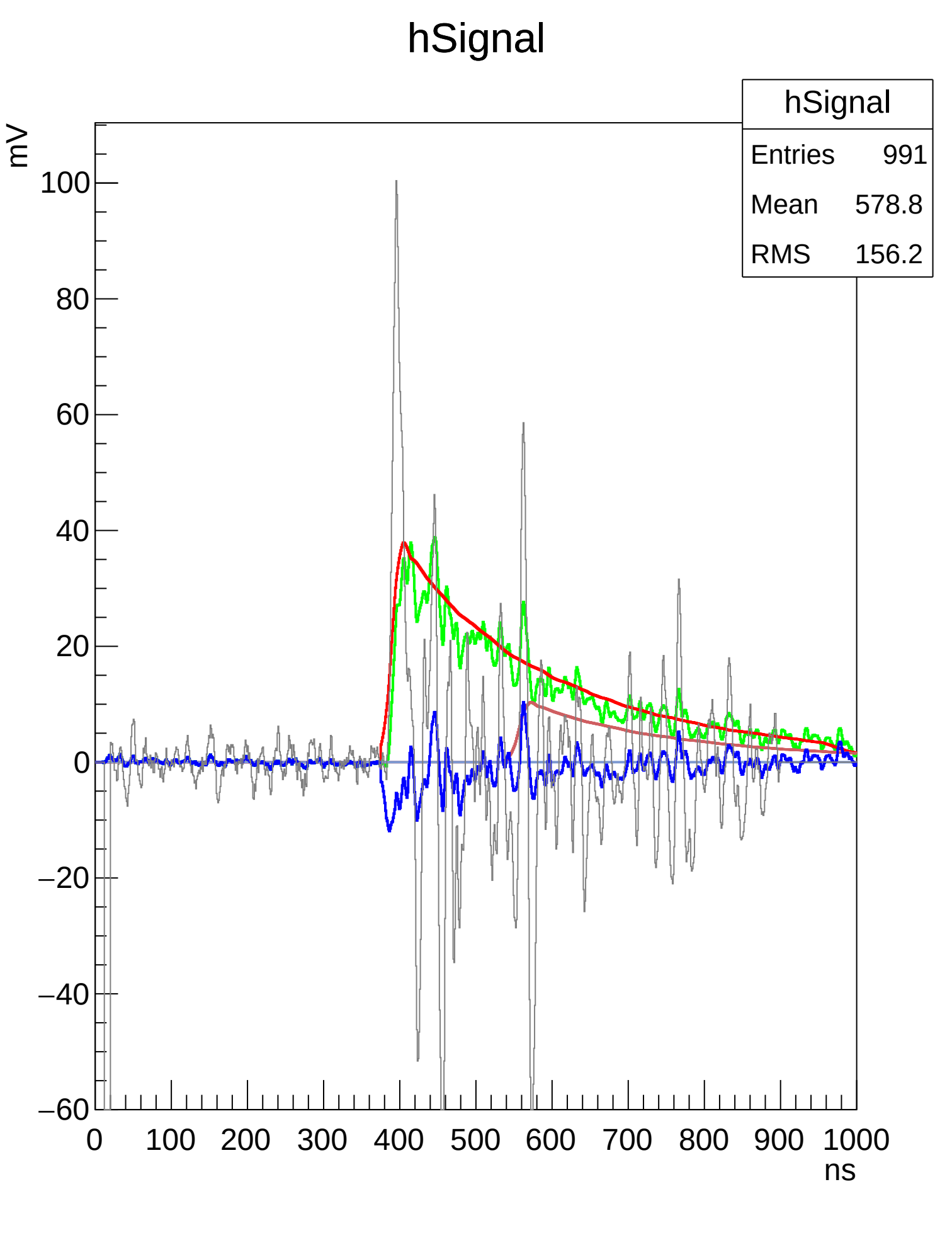
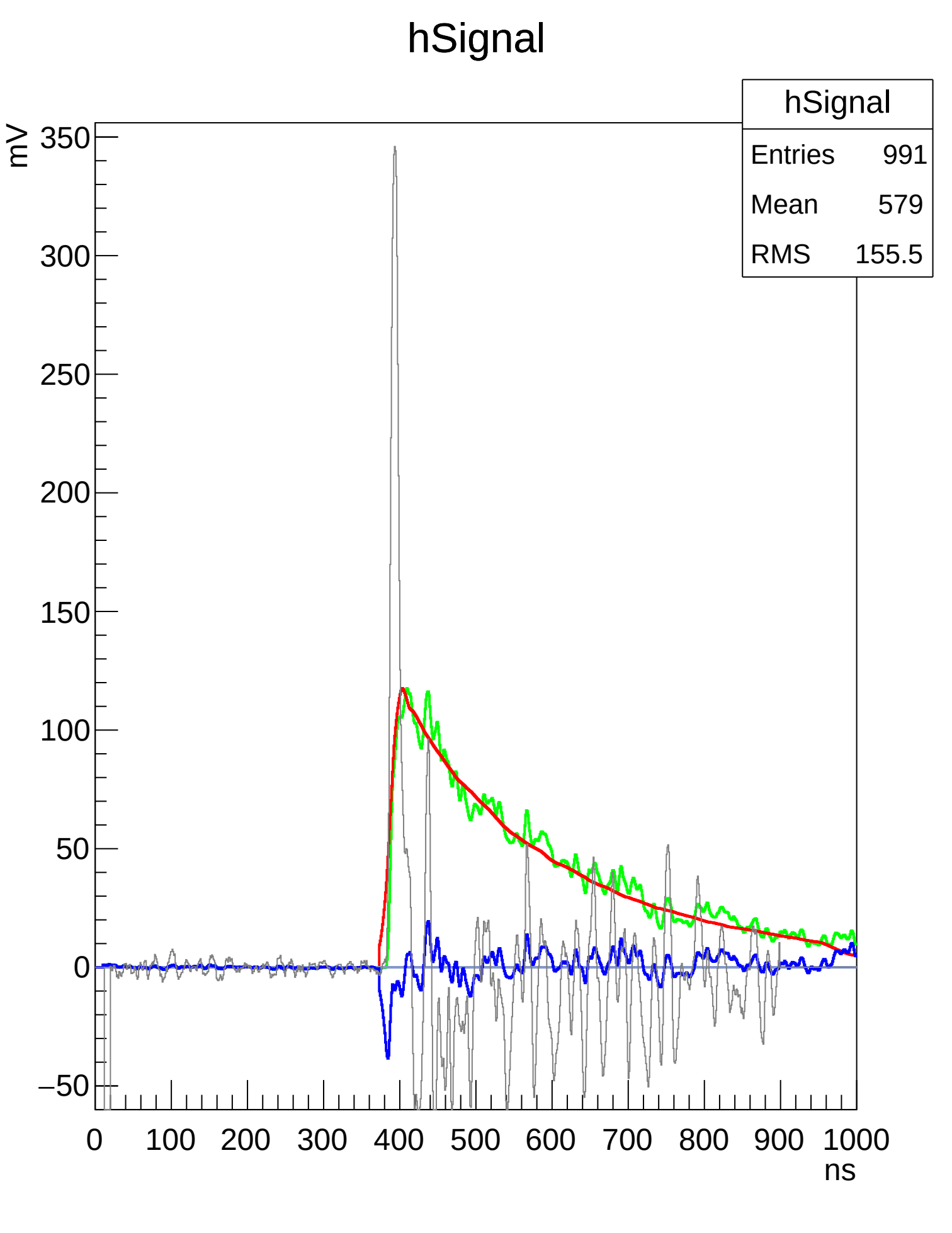
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 153.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.8
RMS 156.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579
RMS 155.5
mV
350
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250
200
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100
50
0
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0
100
200
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400
500
600
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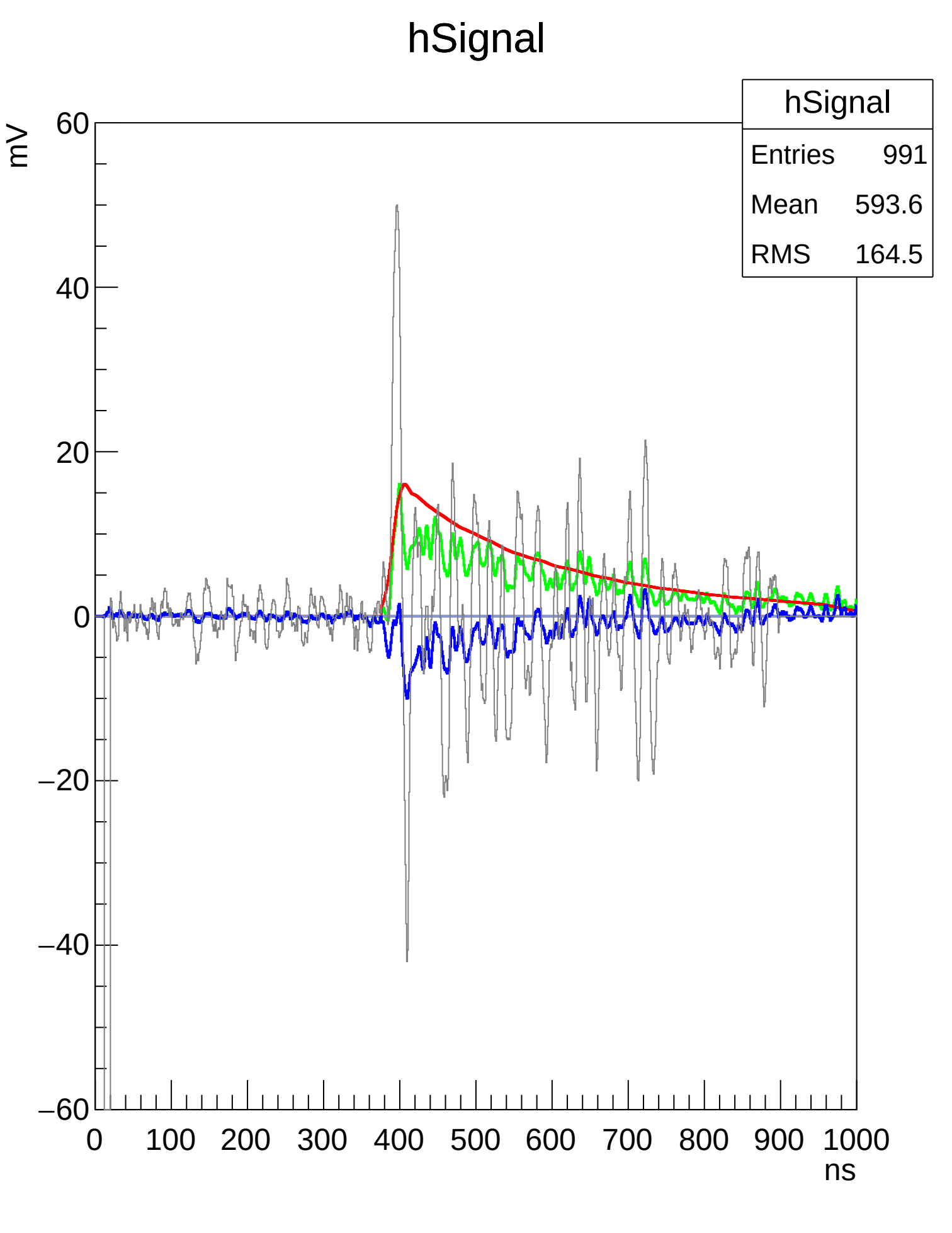
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 164.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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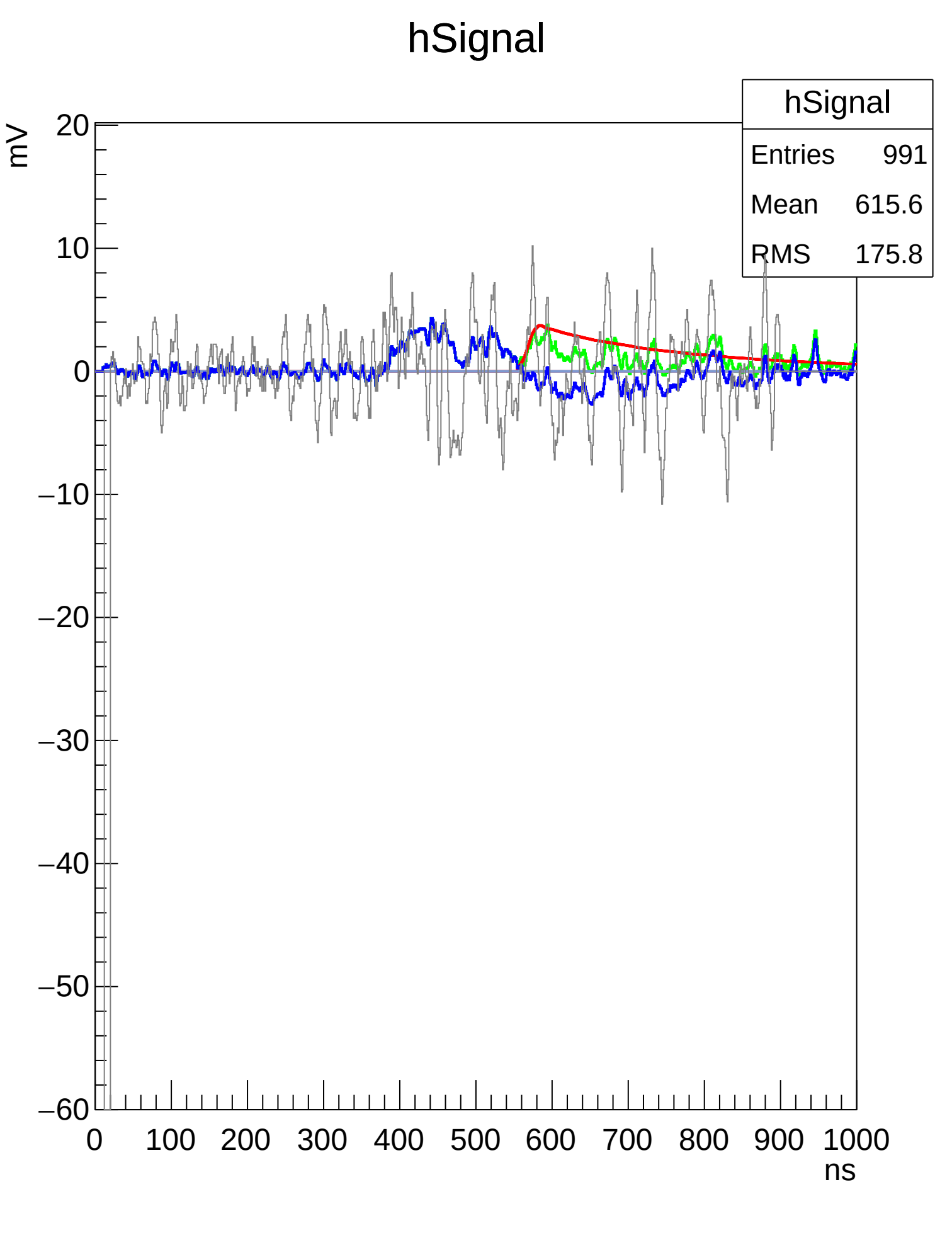
1000
ns


hSignal
hSignal
Entries 991
Mean 615.6
RMS 175.8
mV
20
10
0
−10
−20
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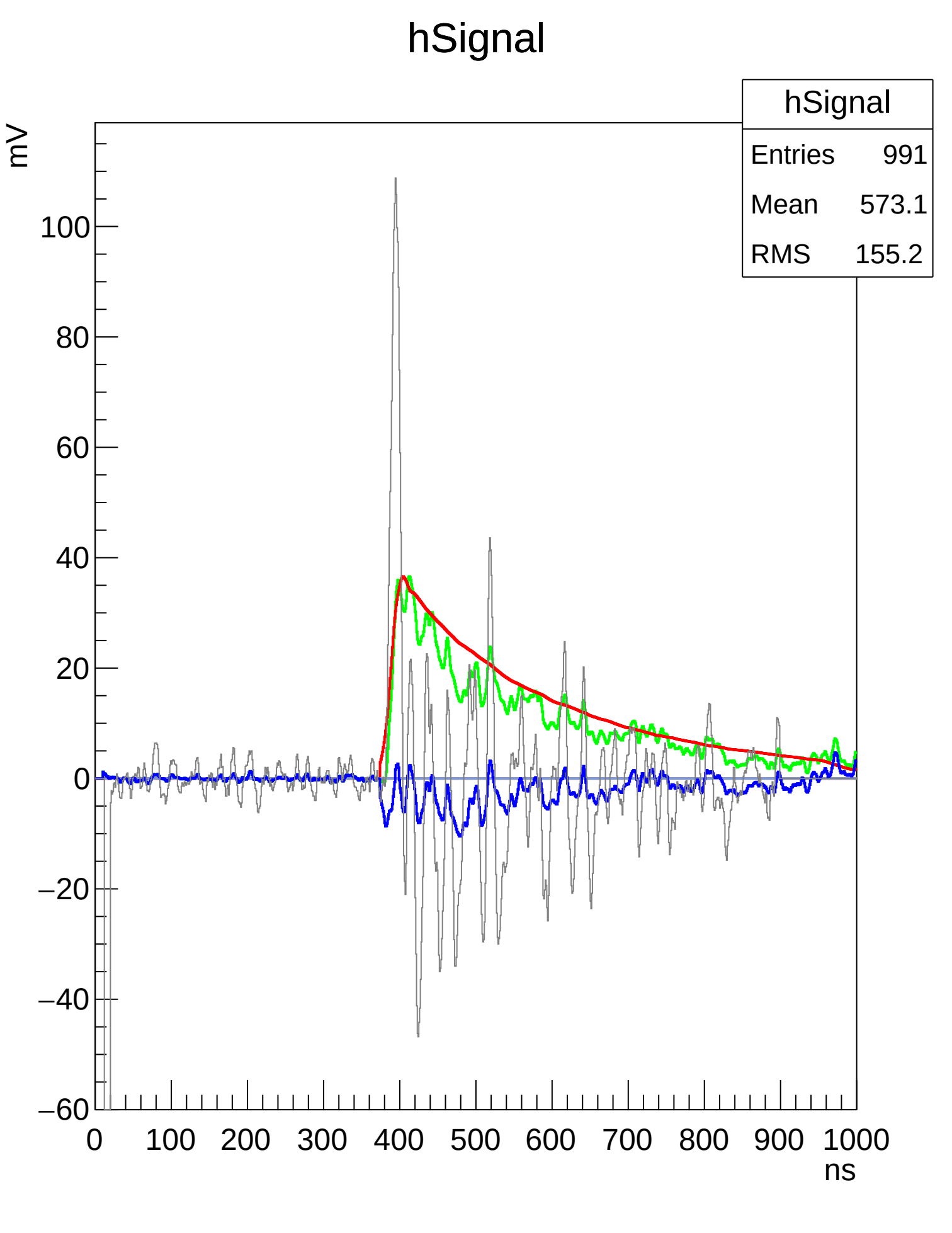
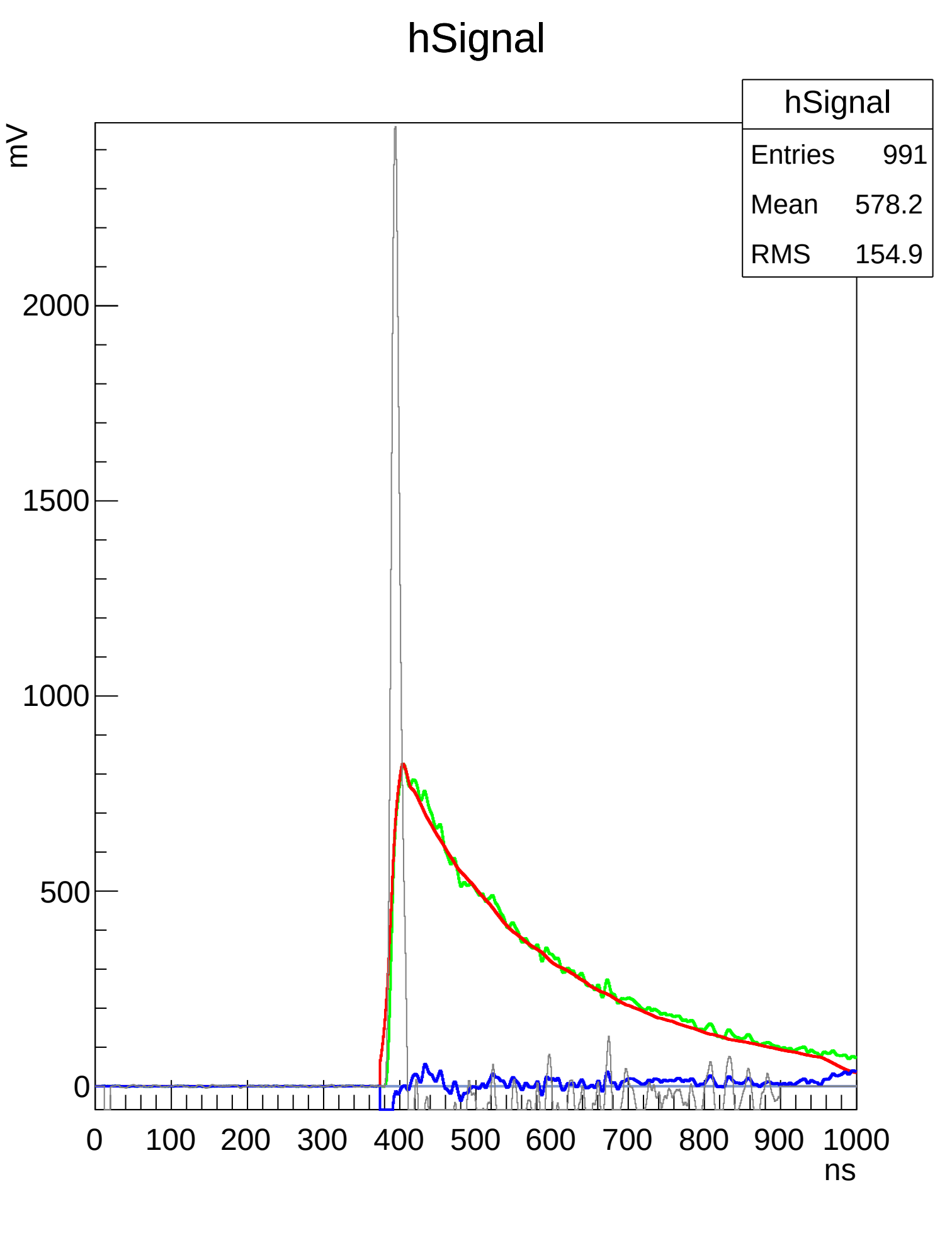
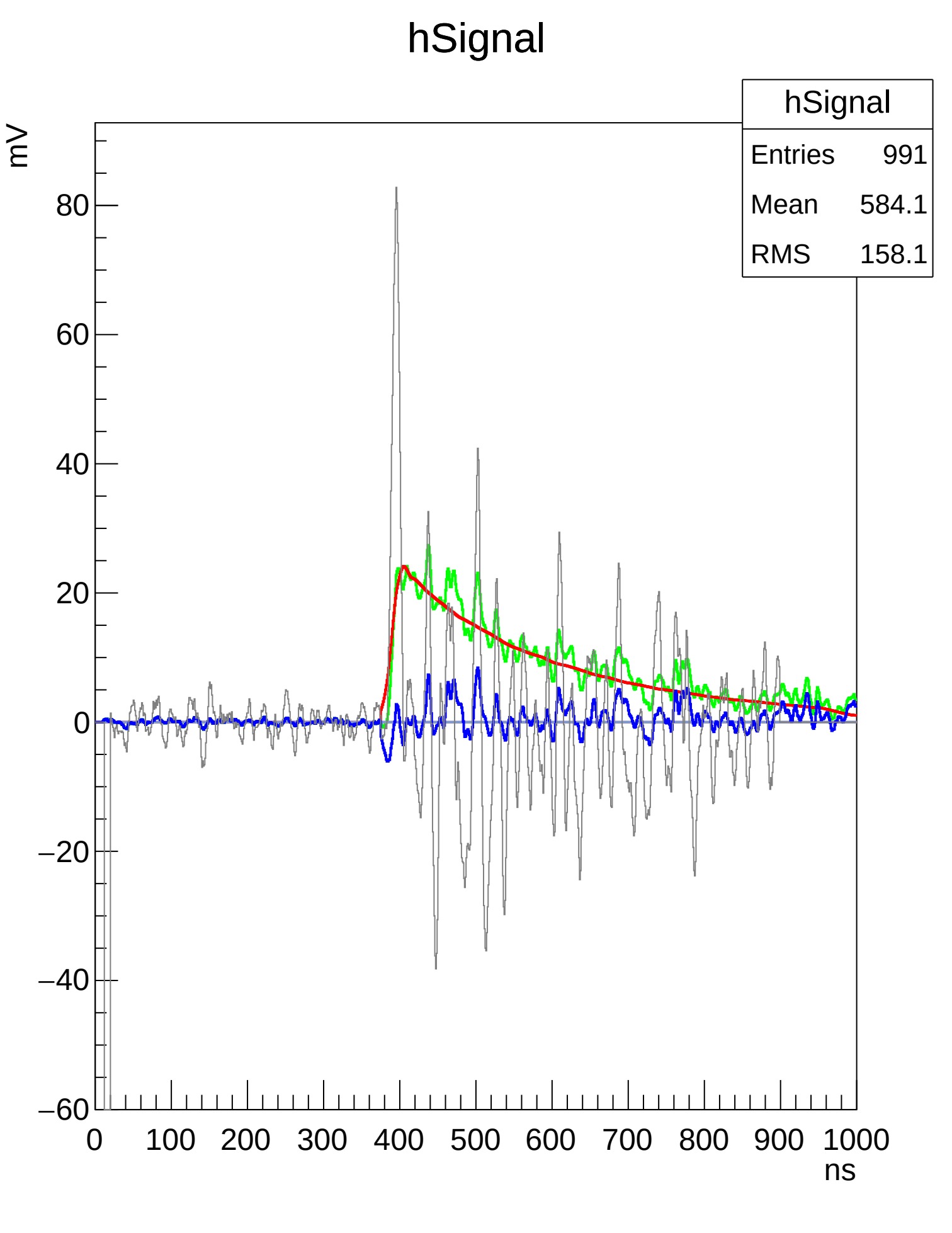
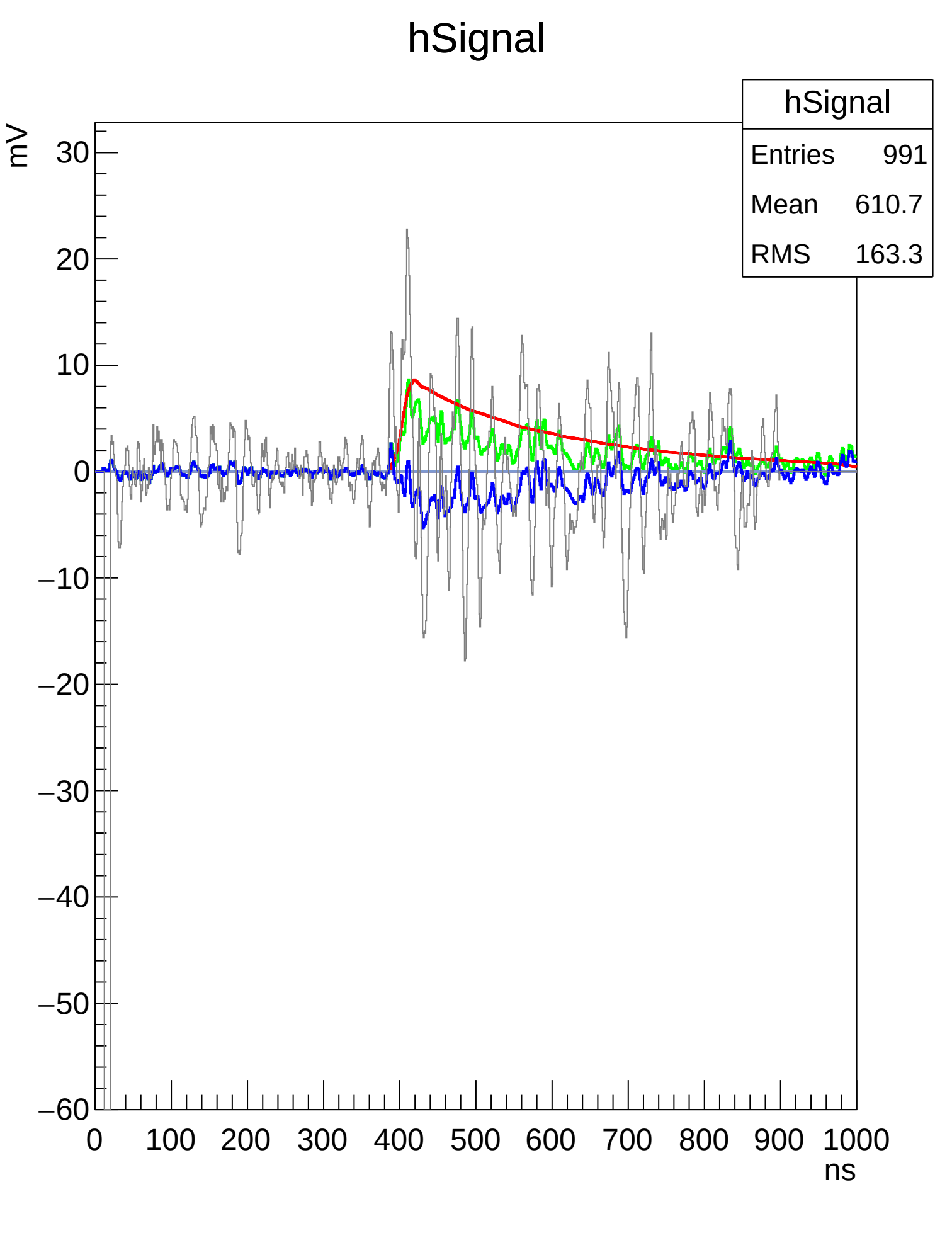
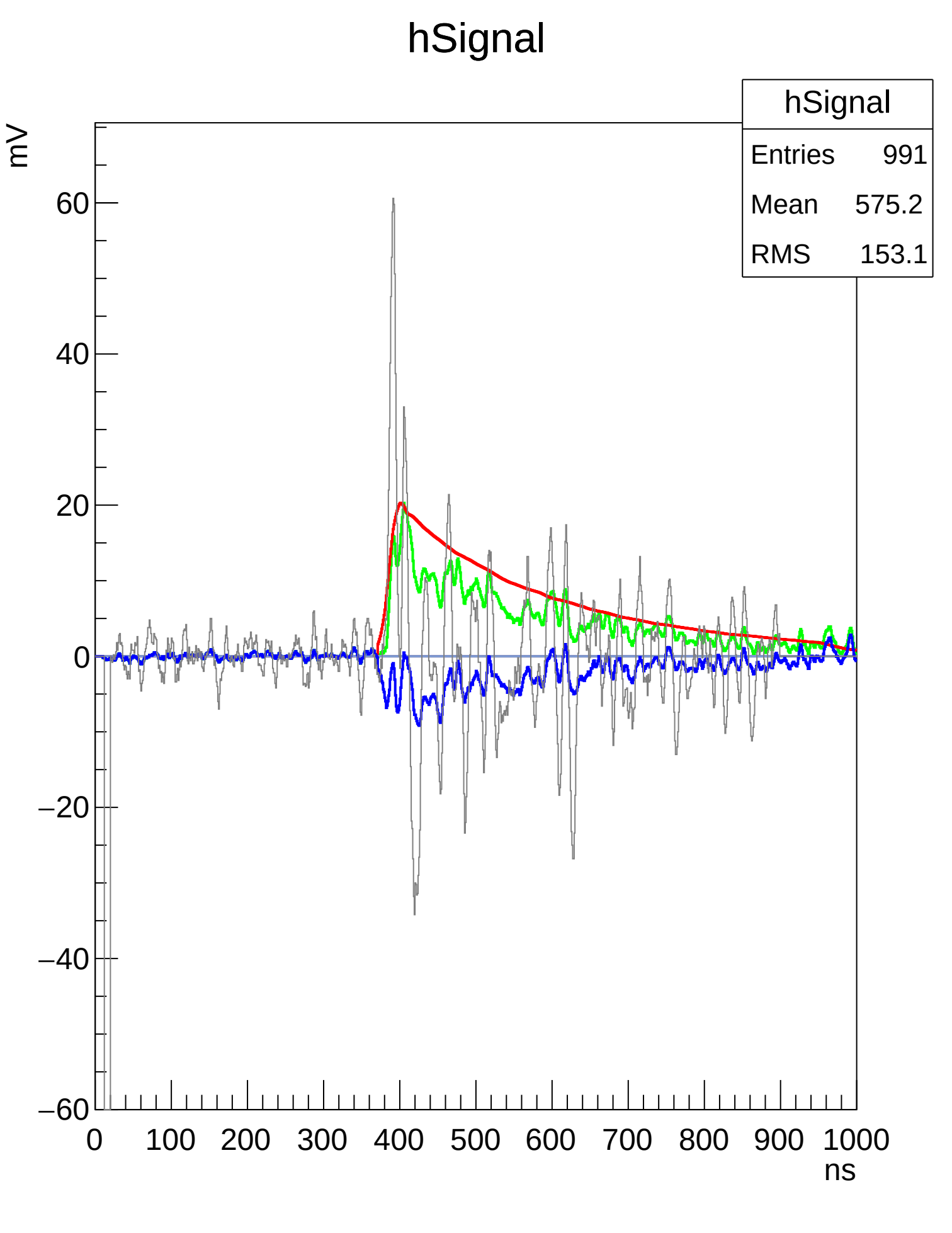
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.1
RMS 155.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.2
RMS 154.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 158.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.7
RMS 163.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.2
RMS 153.1
mV
60
40
20
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−20
−40
−60
0
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200
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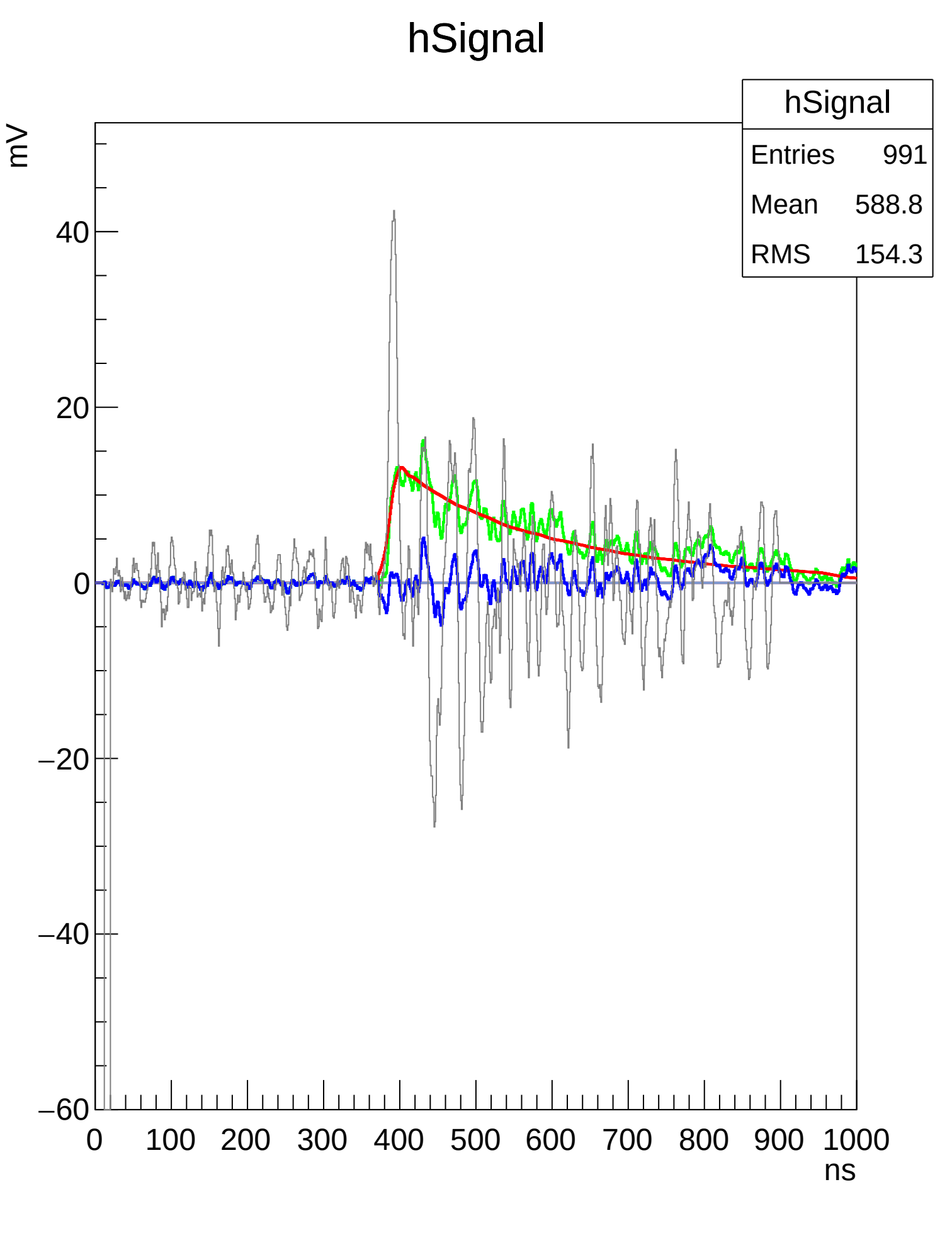
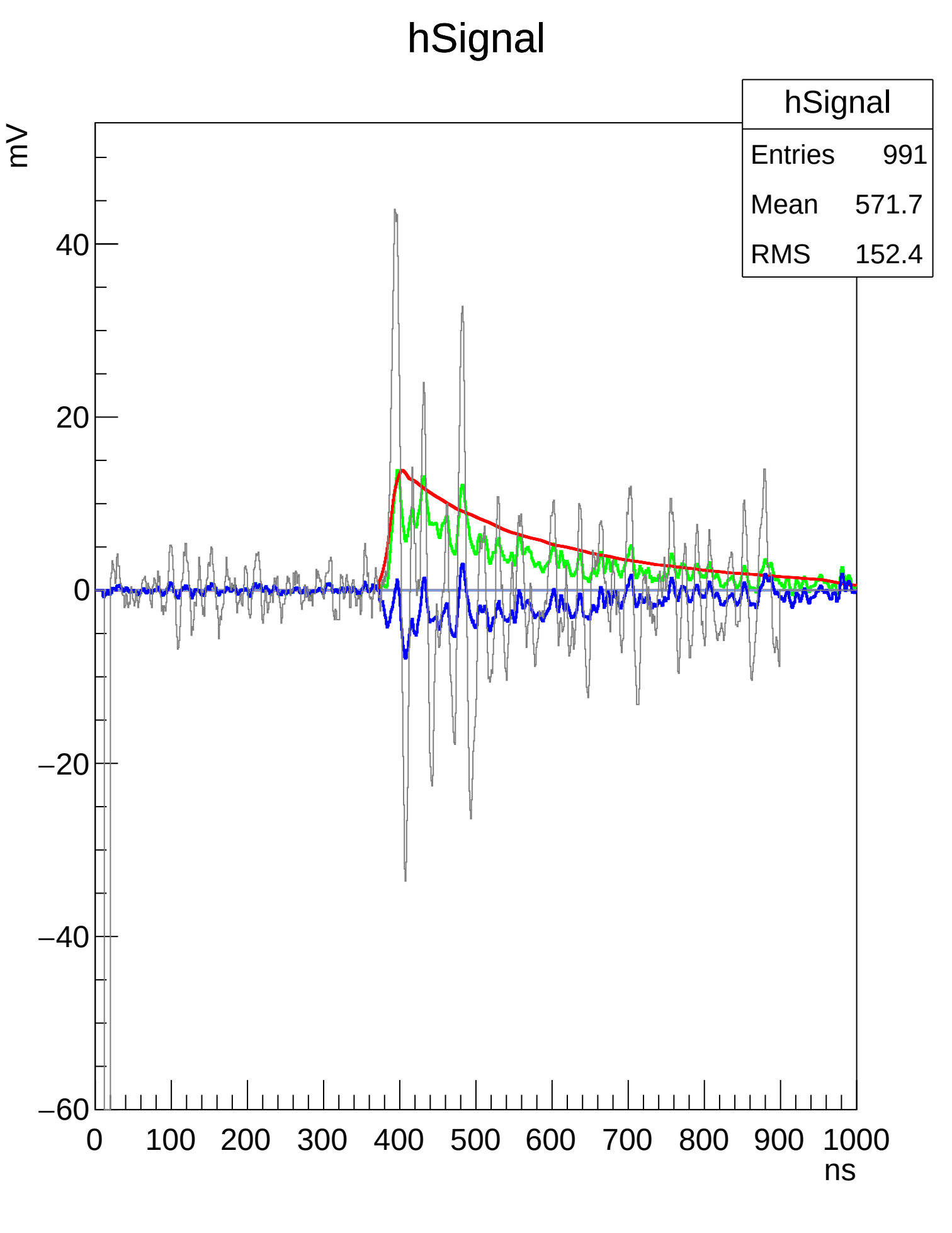
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.8
RMS 154.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.7
RMS 152.4
mV
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−20
−40
−60
0
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200
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400
500
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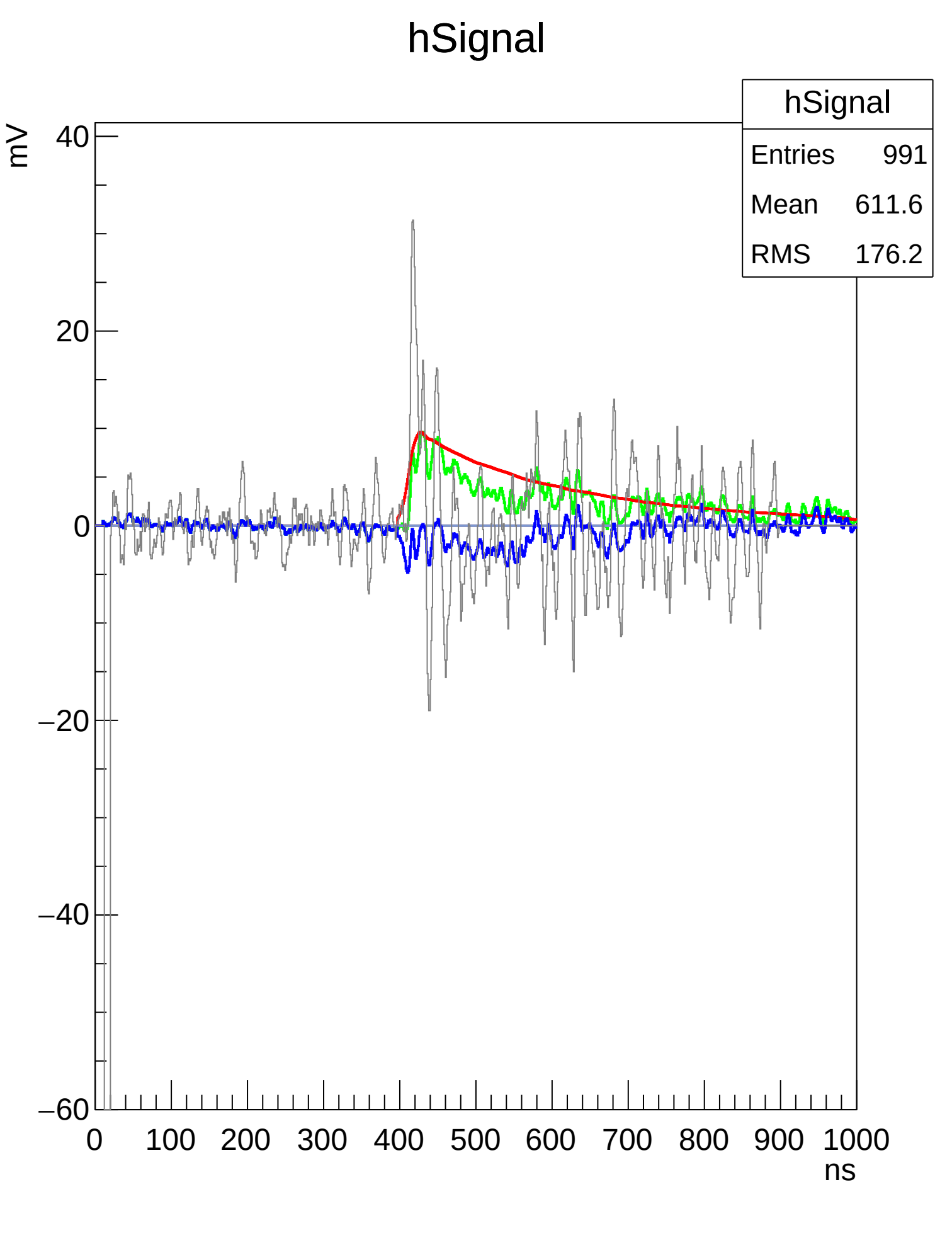
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.6
RMS 176.2
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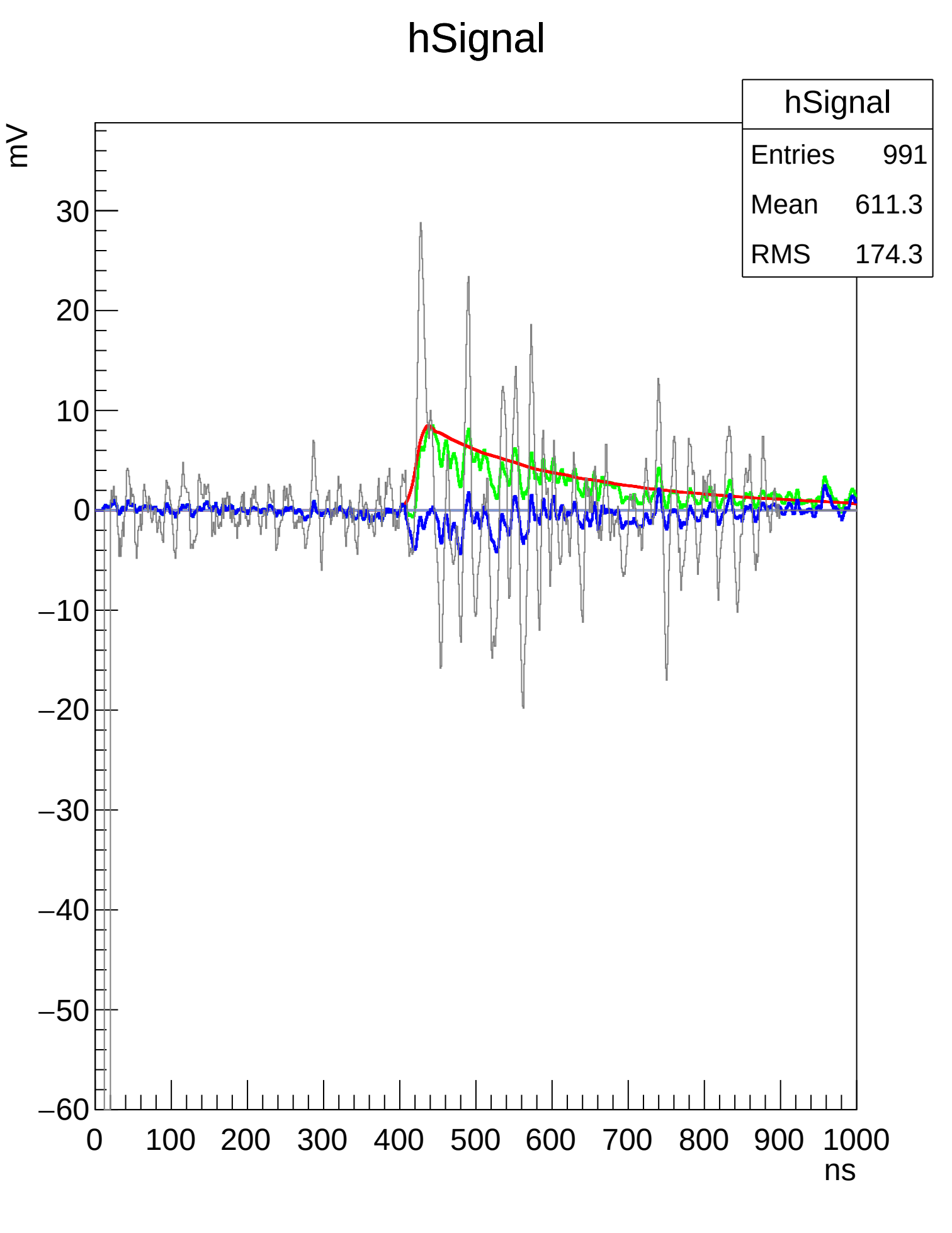
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hSignal
Entries 991
Mean 611.3
RMS 174.3
mV
30
20
10
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0
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200
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800
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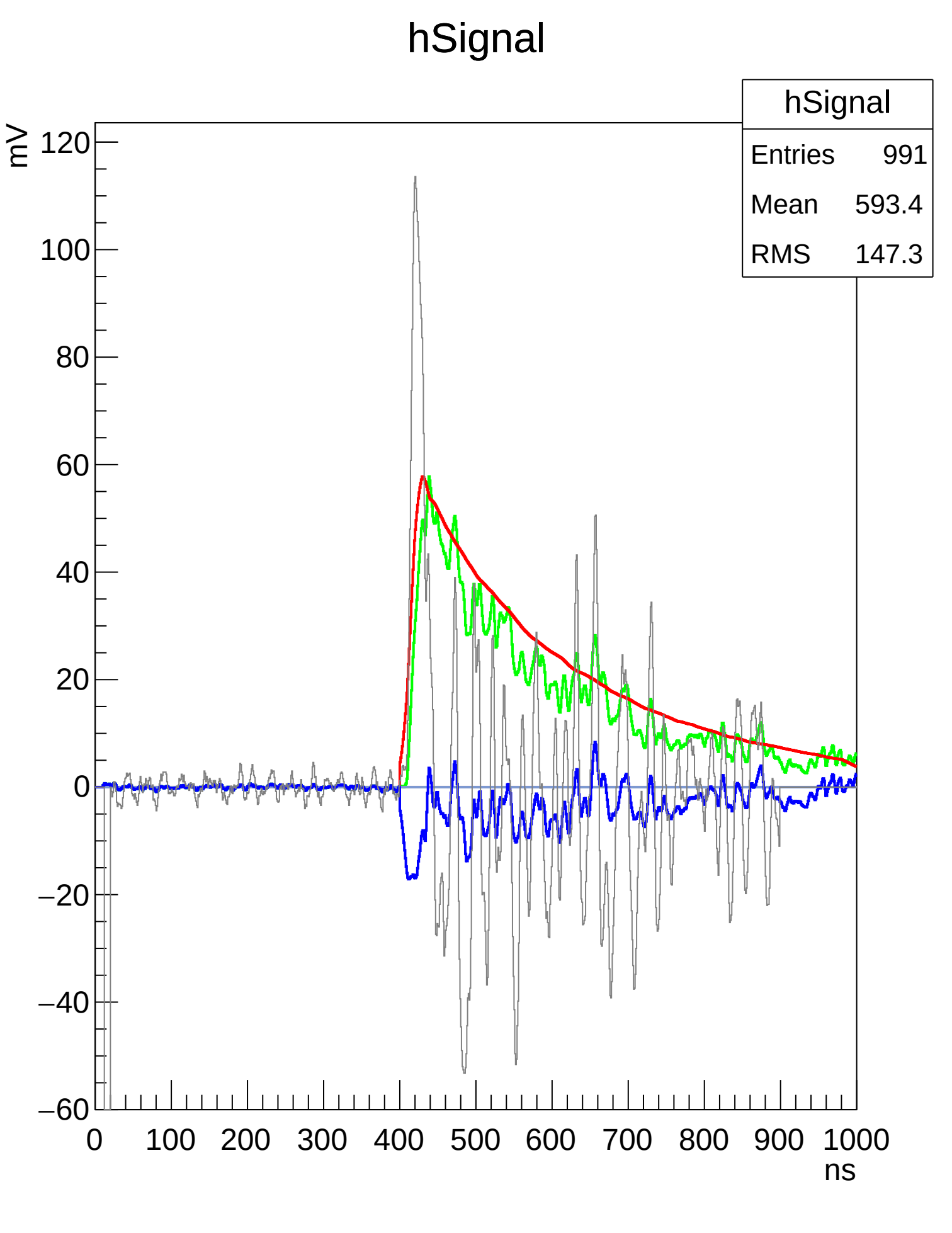
1000
ns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hSignal
Entries 991
Mean 593.4
RMS 147.3
mV
120
100
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−20
−40
−60
0
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200
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400
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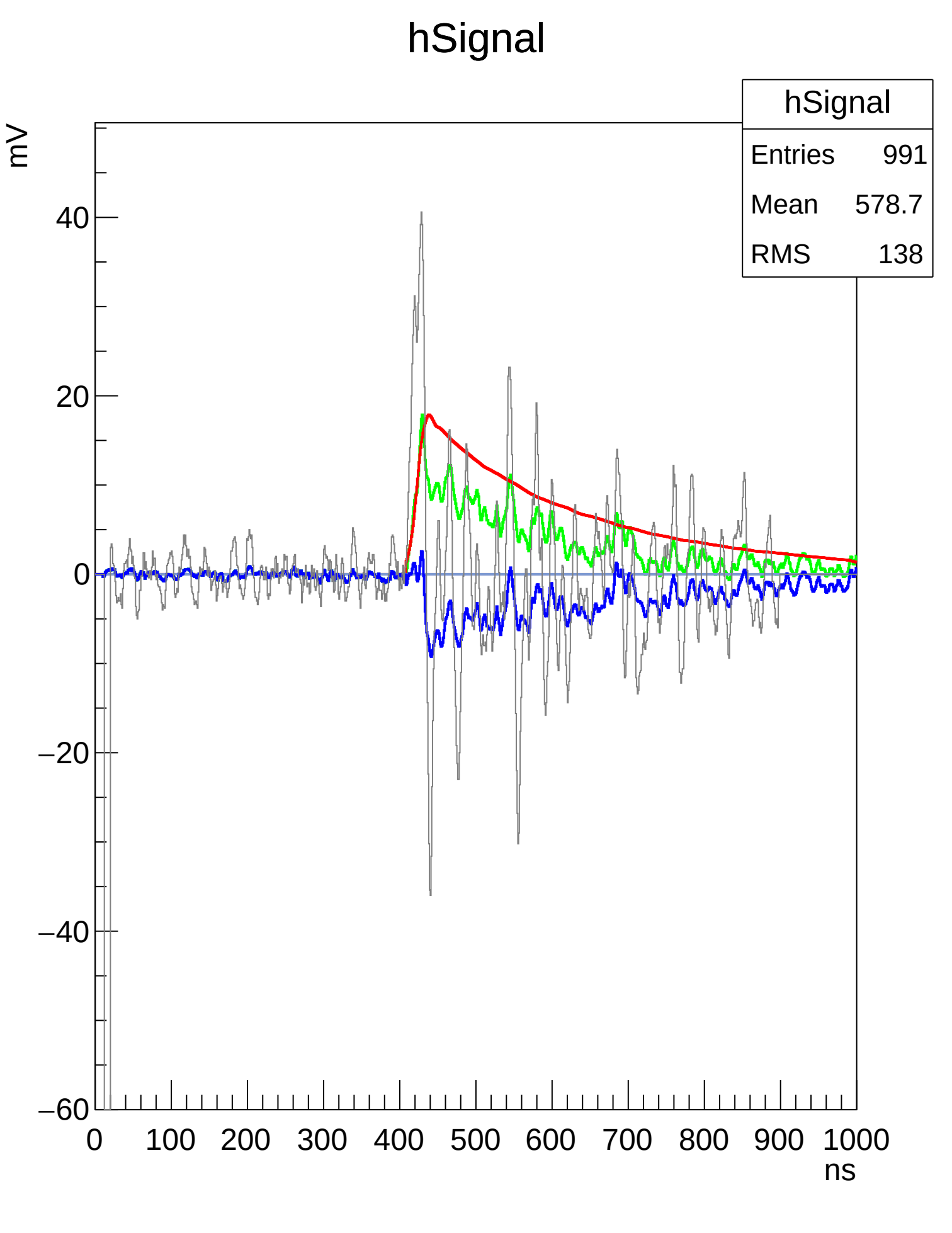
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 138
mV
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−20
−40
−60
0
100
200
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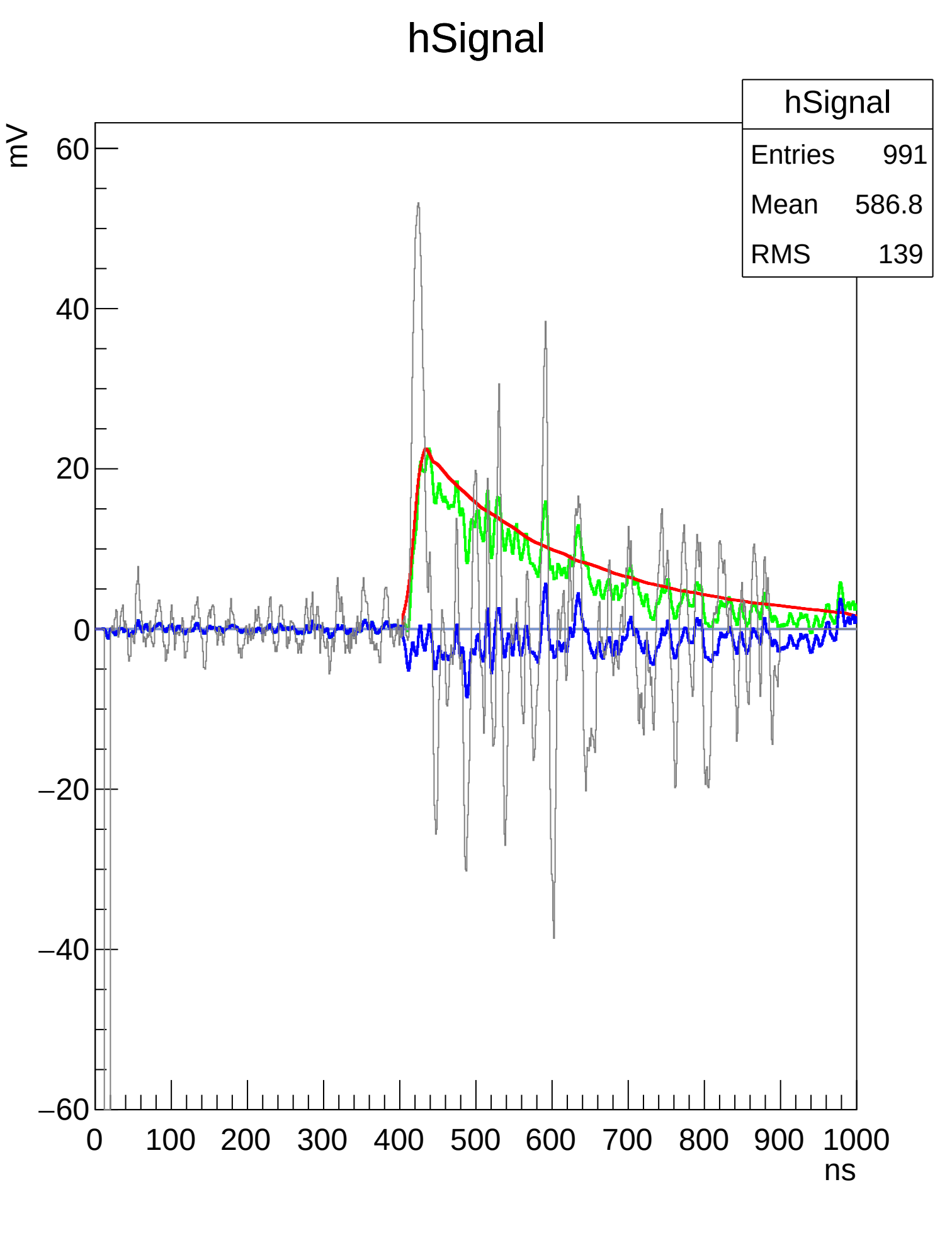
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.8
RMS 139
mV
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0
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800
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1000
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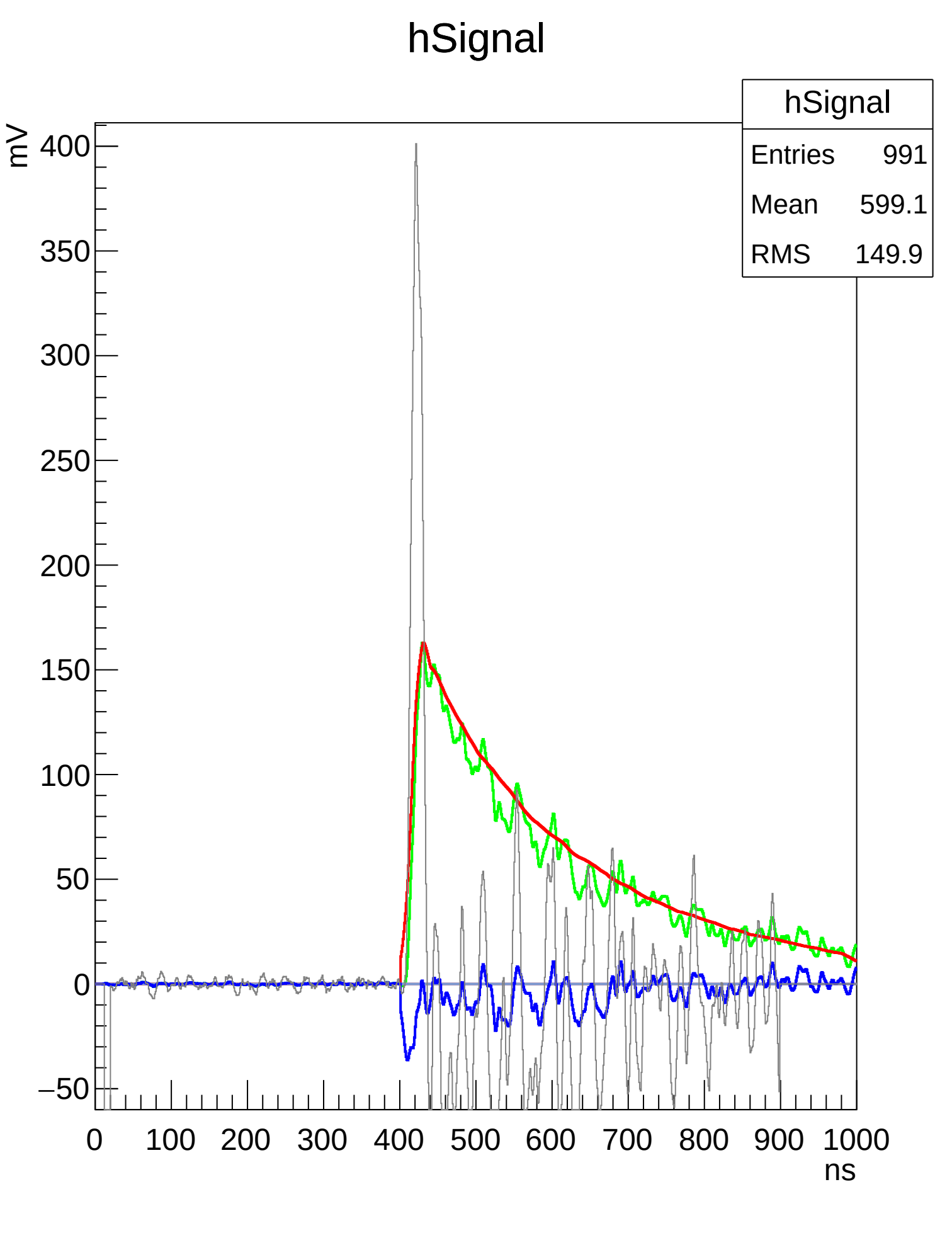
hSignal
hSignal
Entries 991
Mean 599.1
RMS 149.9
mV
400
350
300
250
200
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100
50
0
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0
100
200
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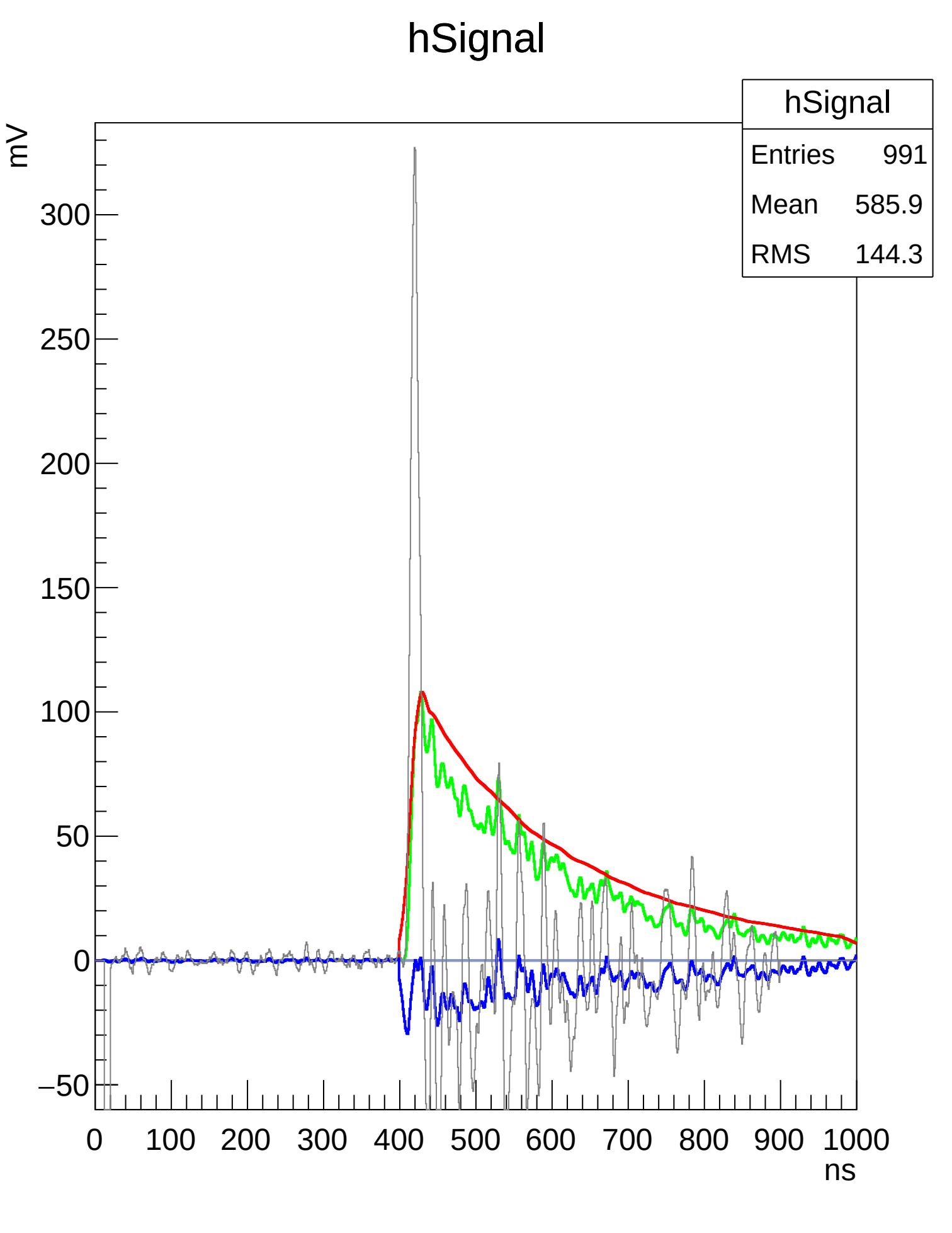
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.9
RMS 144.3
mV
300
250
200
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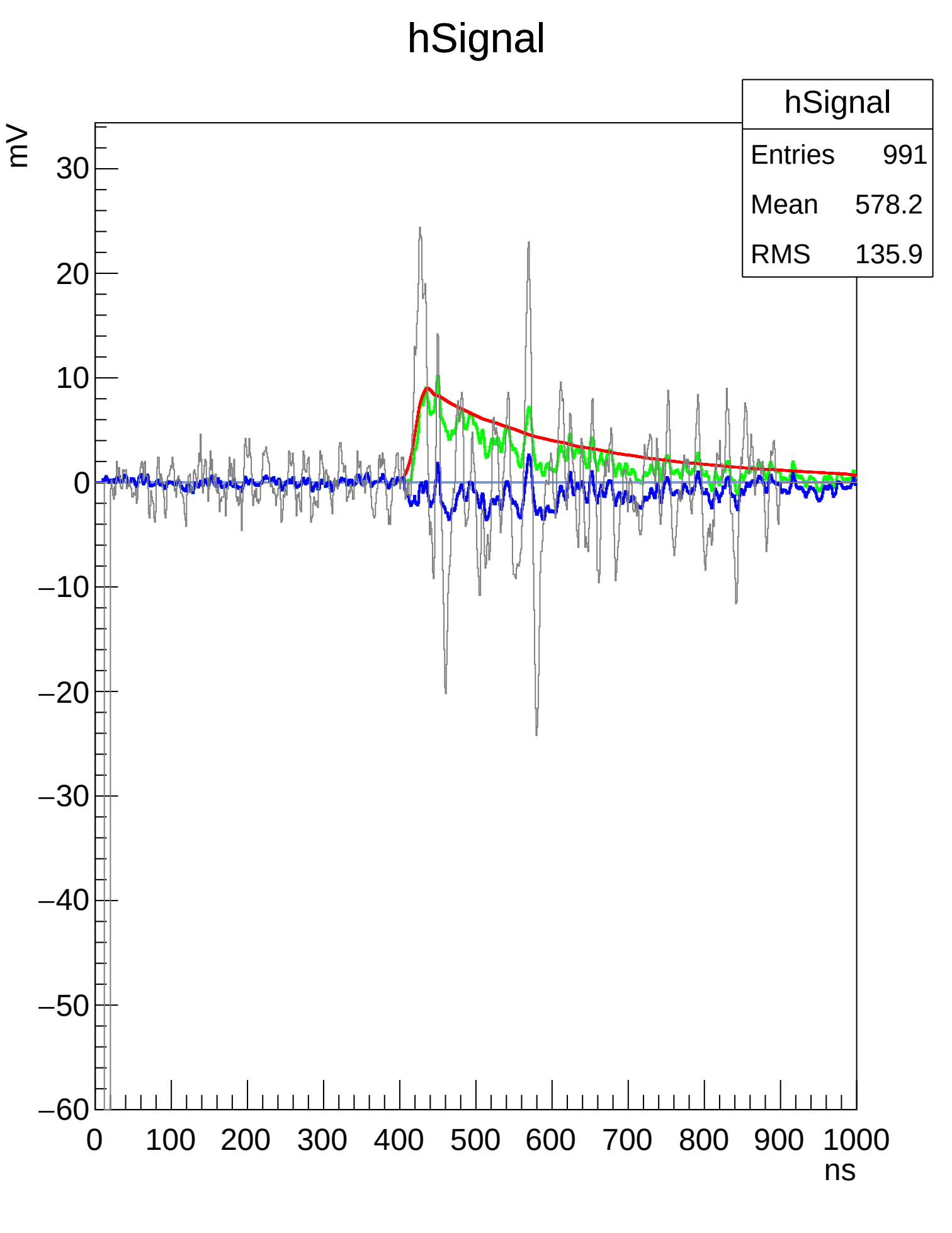
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.2
RMS 135.9
mV
30
20
10
0
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400
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1000
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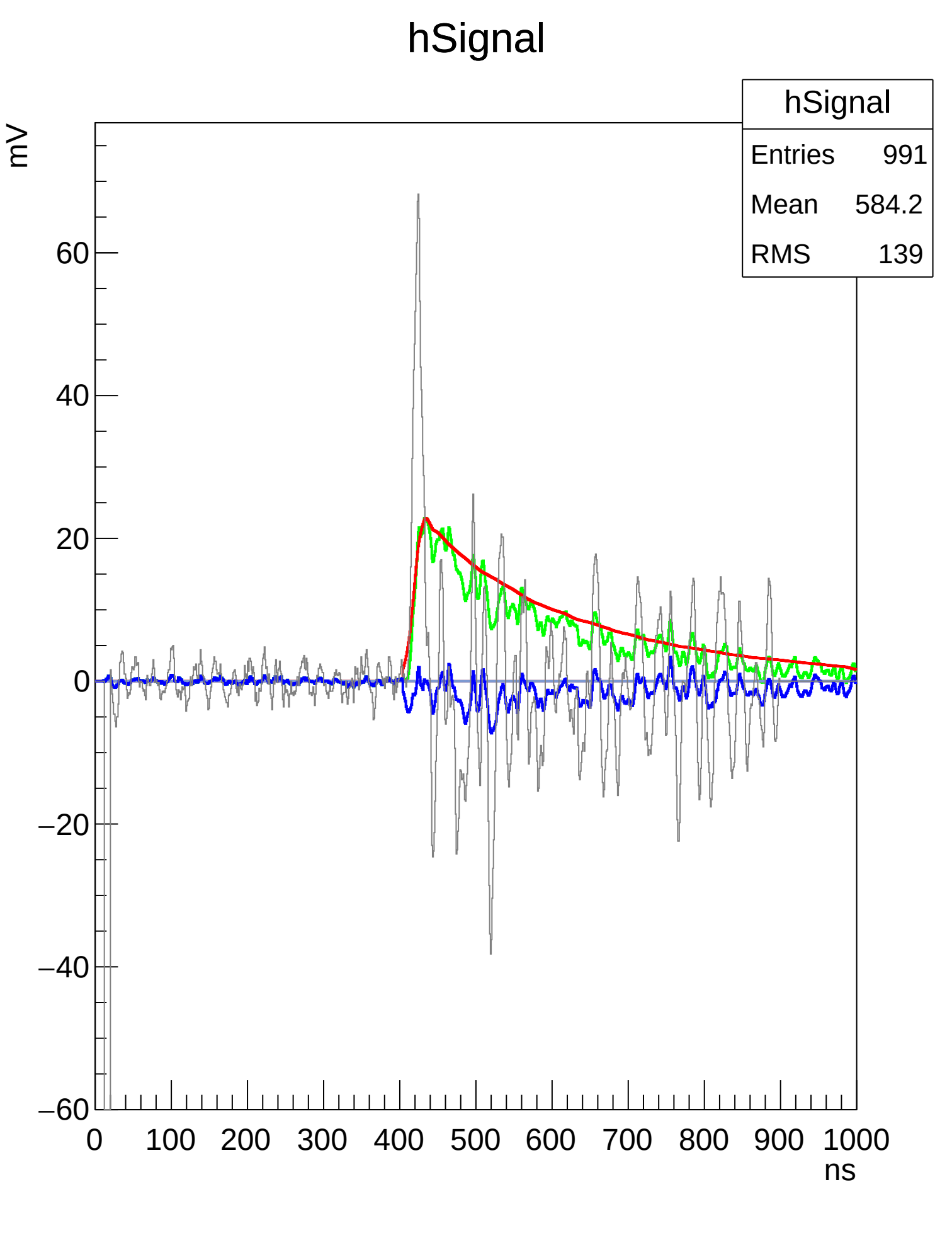
hSignal
hSignal
Entries 991
Mean 584.2
RMS 139
mV
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0
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600
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800
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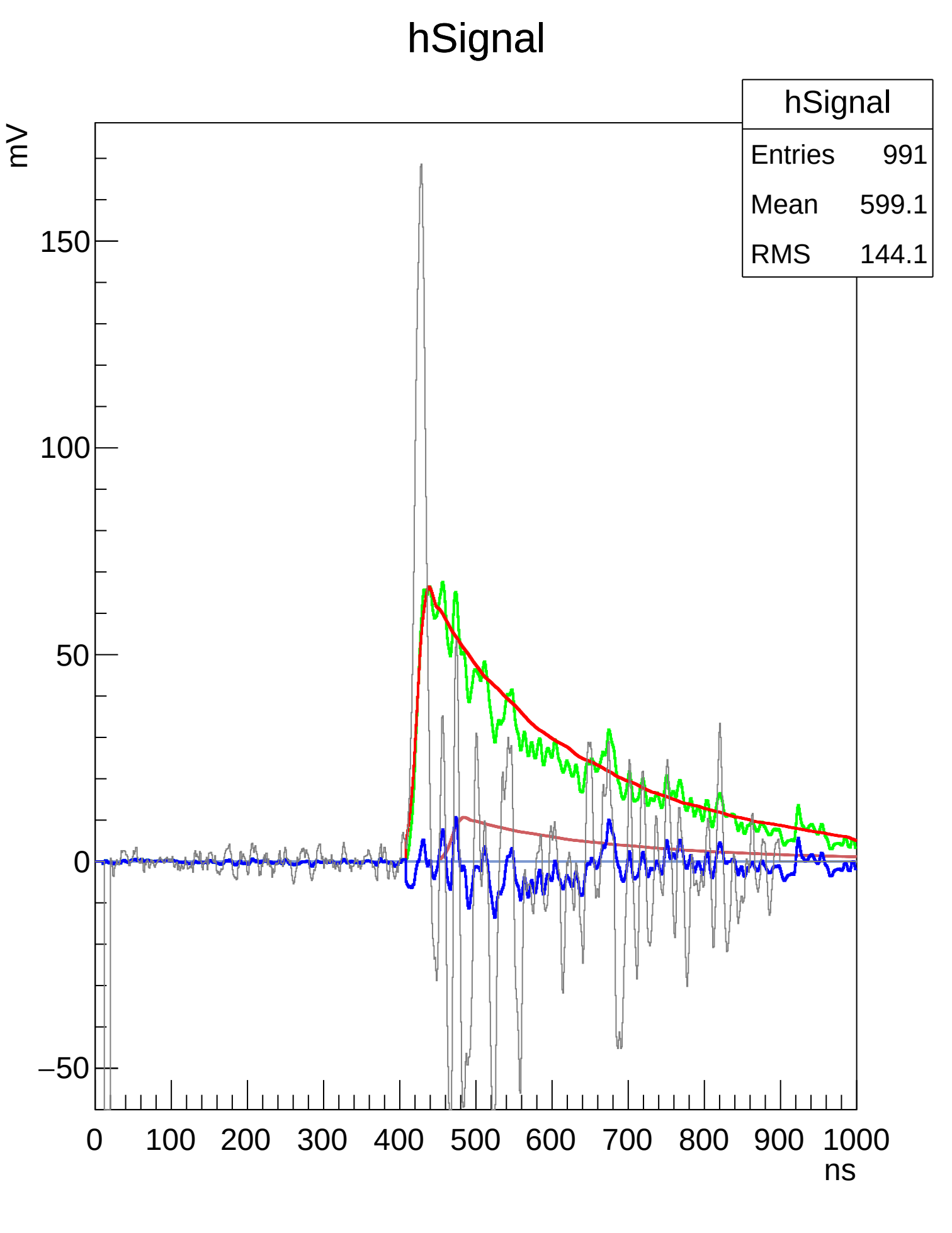
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 144.1
mV
150
100
50
0
−50
0
100
200
300
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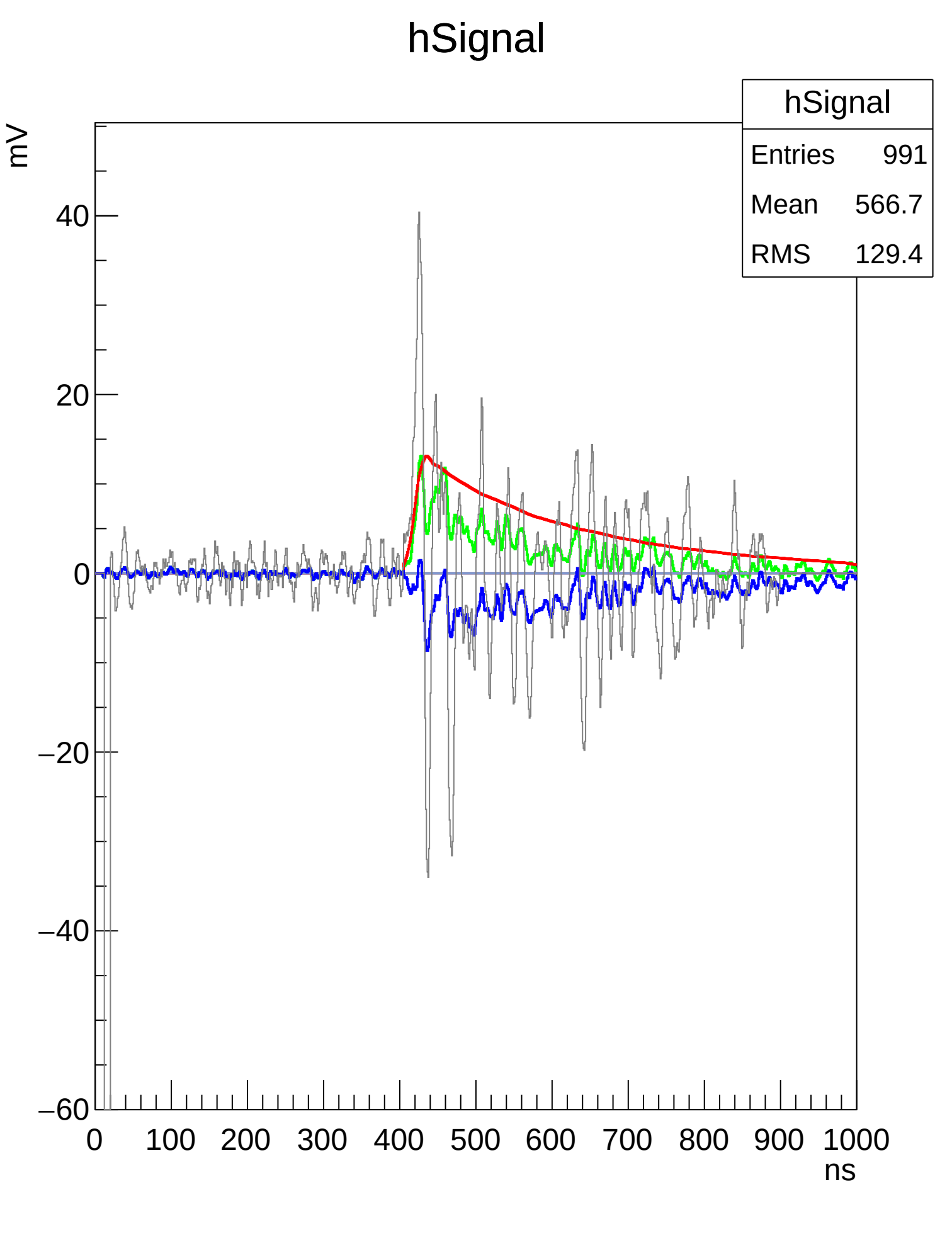
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.7
RMS 129.4
mV
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−20
−40
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0
100
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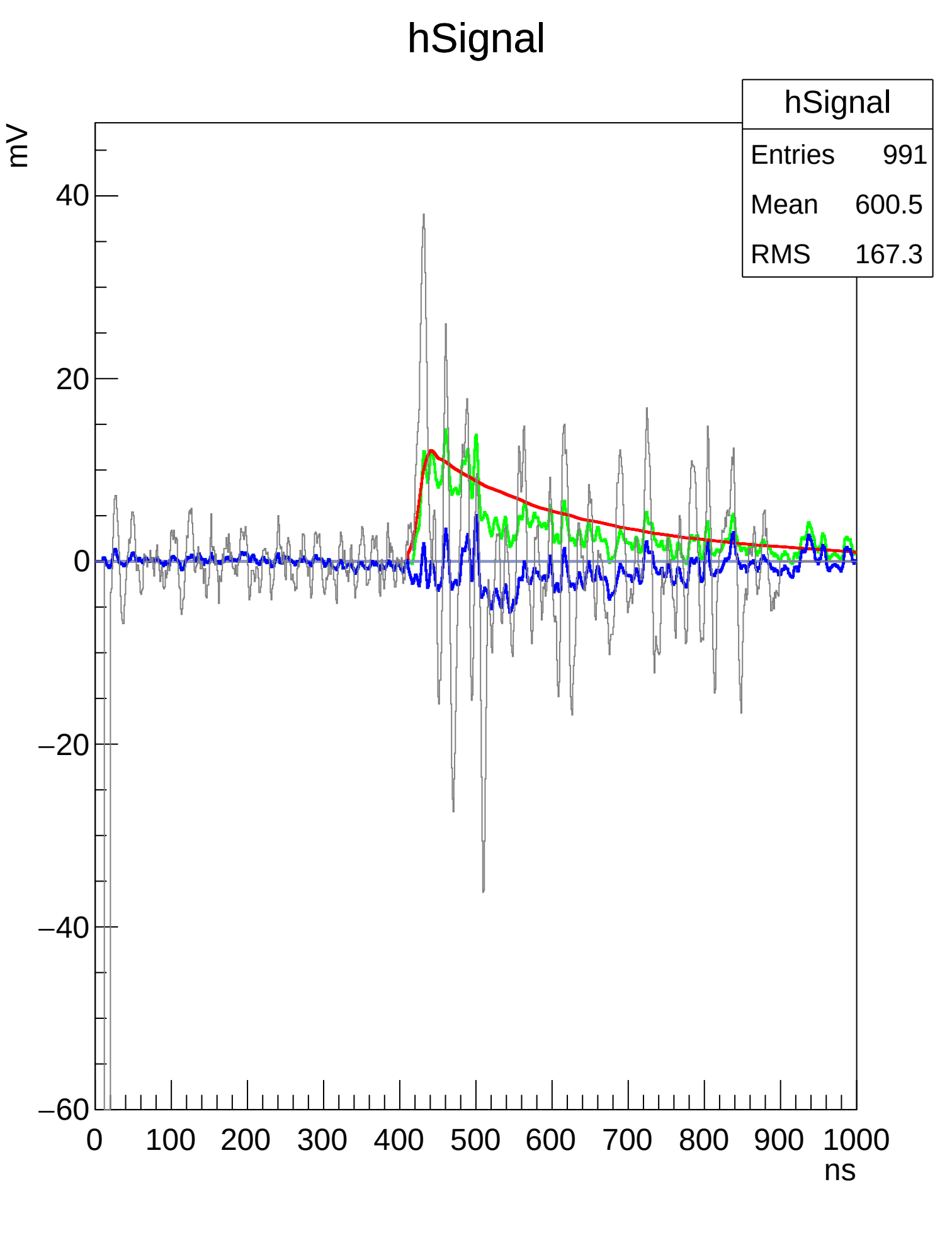
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.5
RMS 167.3
mV
40
20
0
−20
−40
−60
0
100
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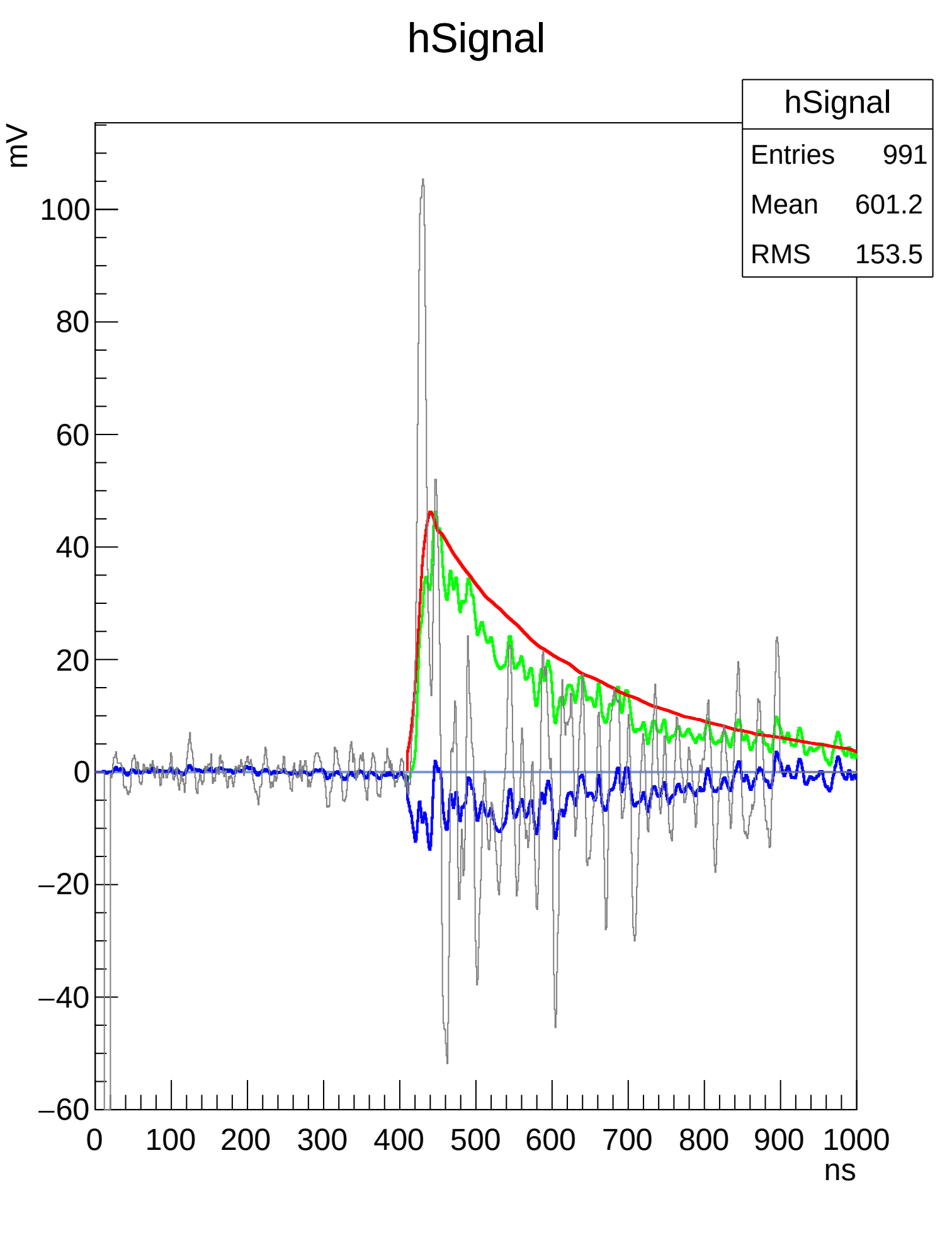
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 153.5
mV
100
80
60
40
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0
−20
−40
−60
0
100
200
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400
500
600
700
800
900
1000
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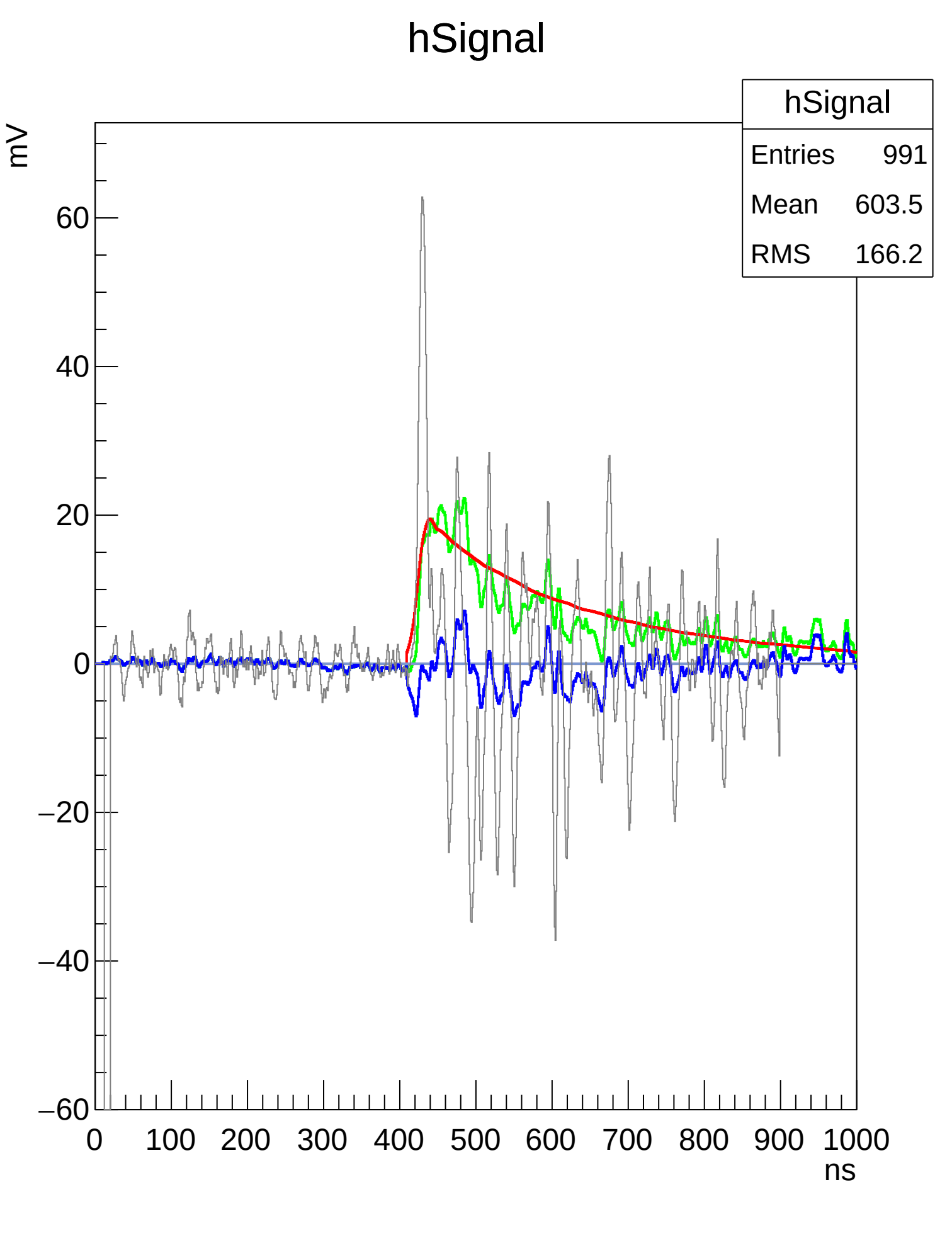
hSignal
hSignal
Entries 991
Mean 603.5
RMS 166.2
mV
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40
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−20
−40
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0
100
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400
500
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800
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1000
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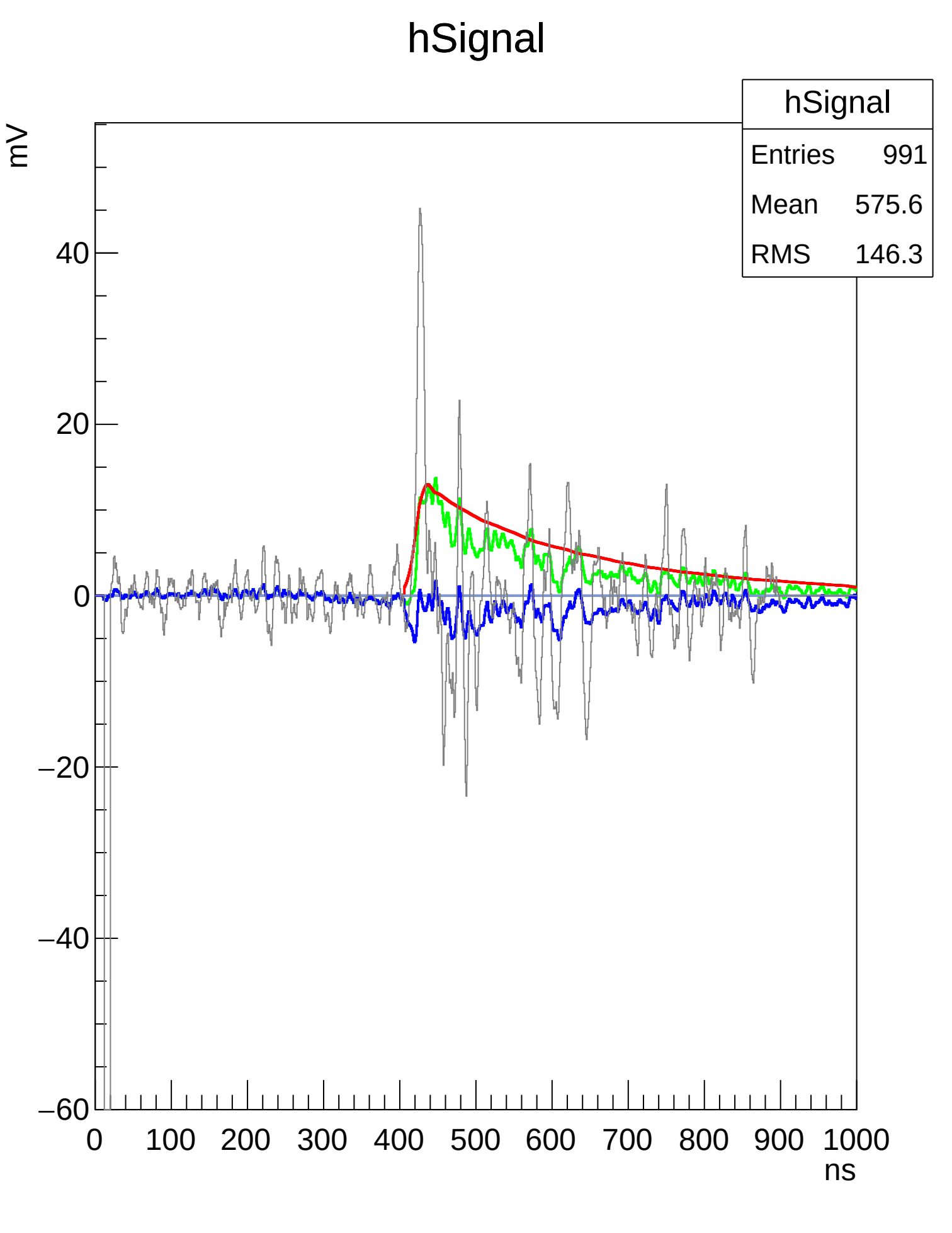
hSignal
hSignal
Entries 991
Mean 575.6
RMS 146.3
mV
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−20
−40
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0
100
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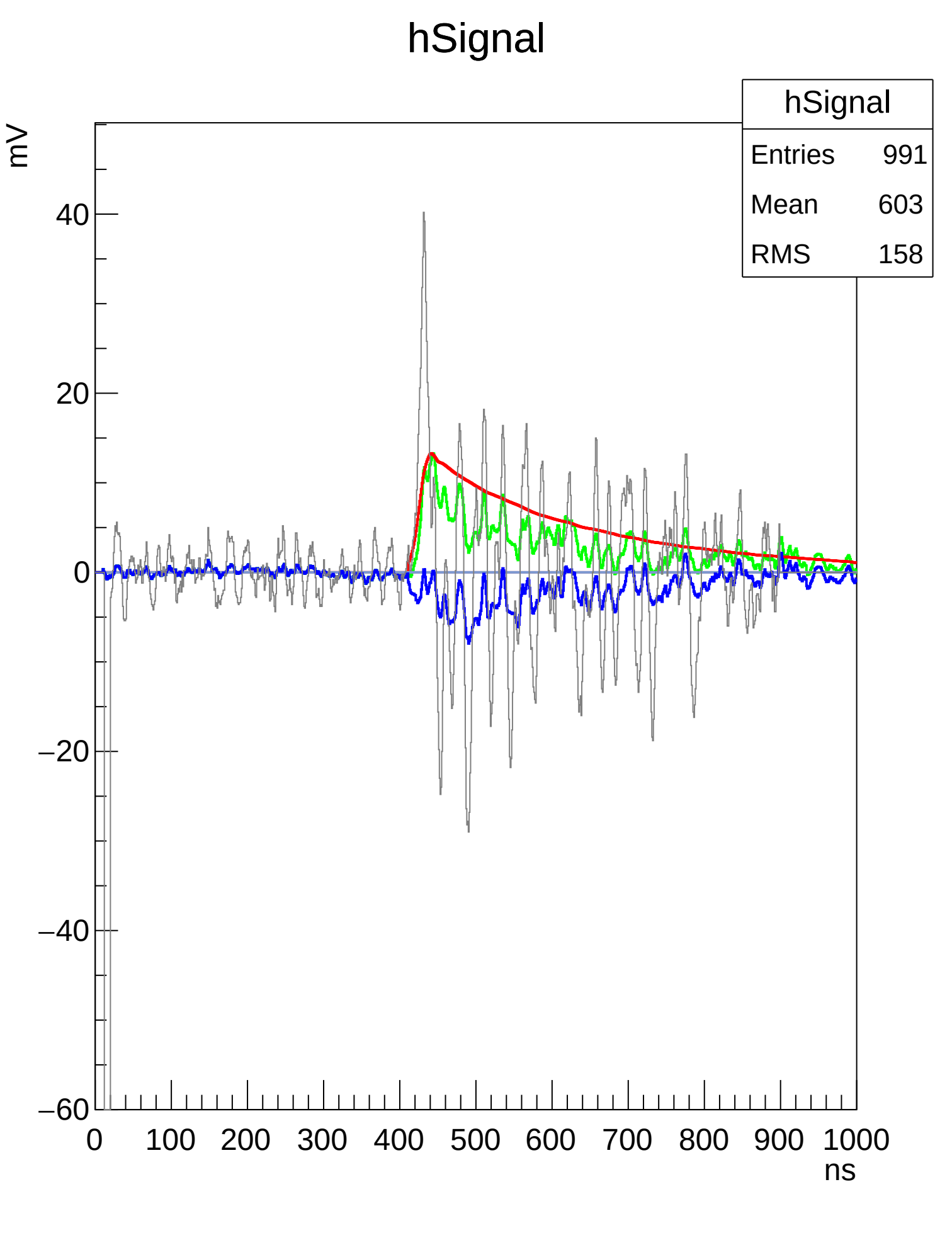
1000
ns


hSignal
hSignal
Entries 991
Mean 603
RMS 158
mV
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100
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1000
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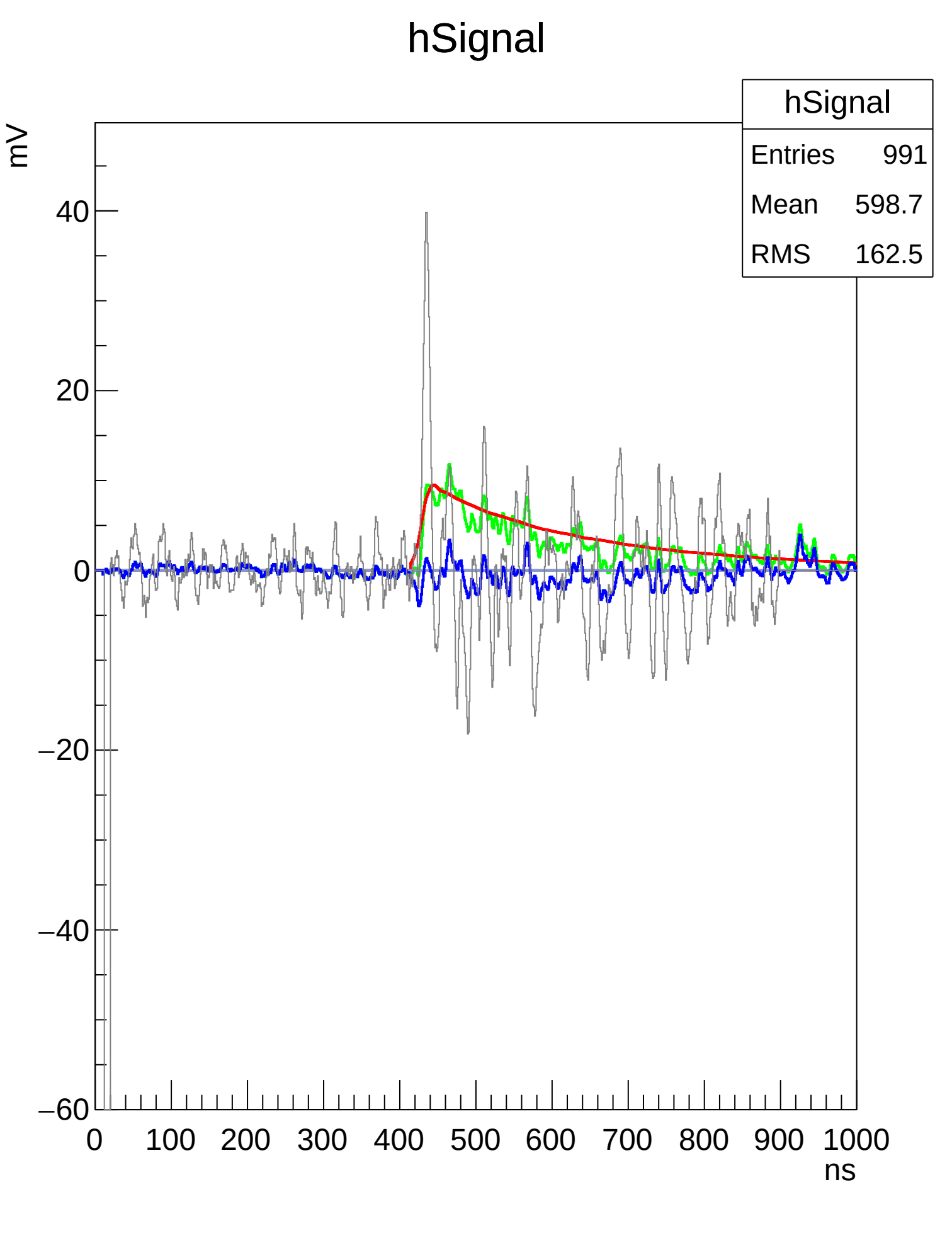
hSignal
hSignal
Entries 991
Mean 598.7
RMS 162.5
mV
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−20
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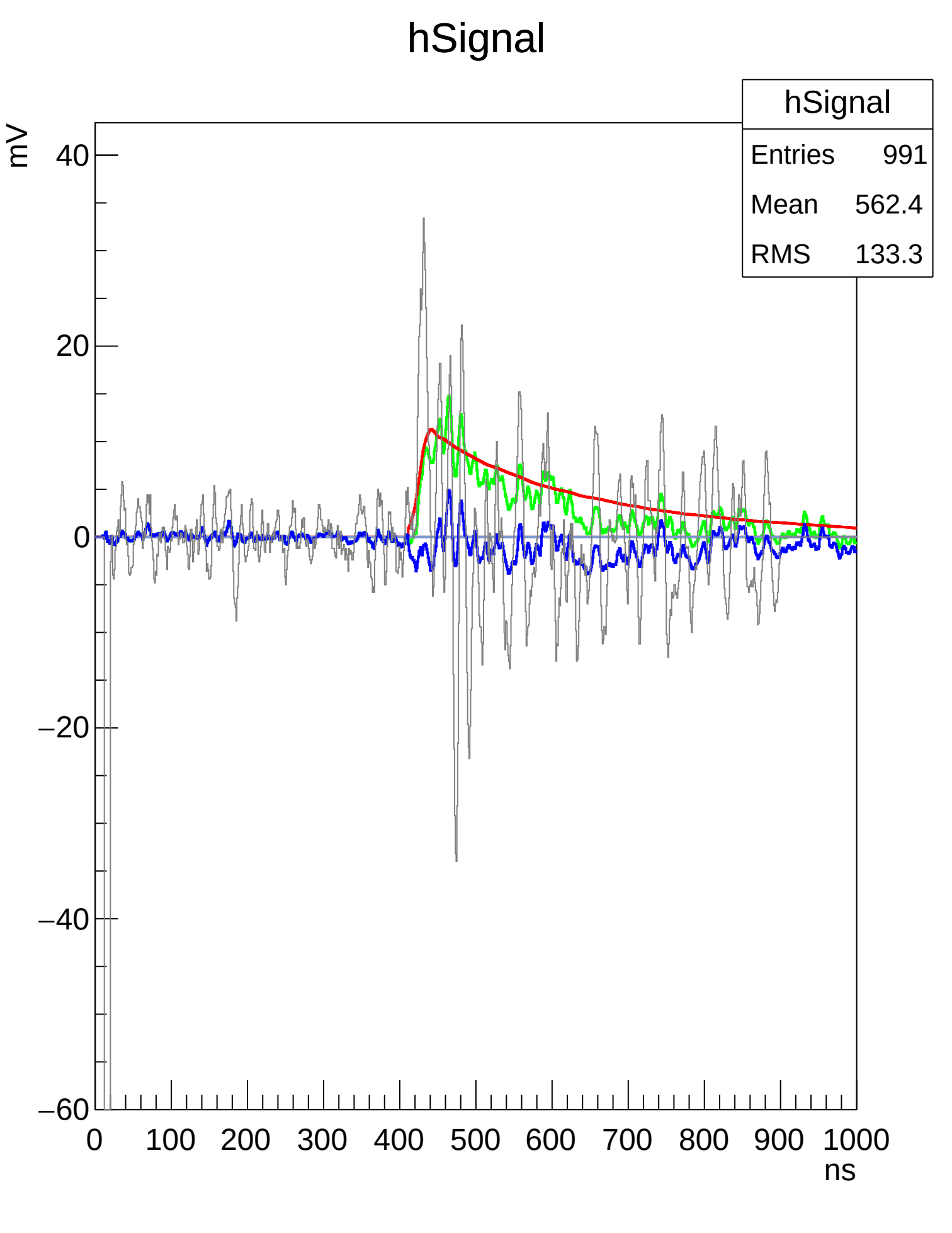
hSignal
hSignal
Entries 991
Mean 562.4
RMS 133.3
mV
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−20
−40
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800
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1000
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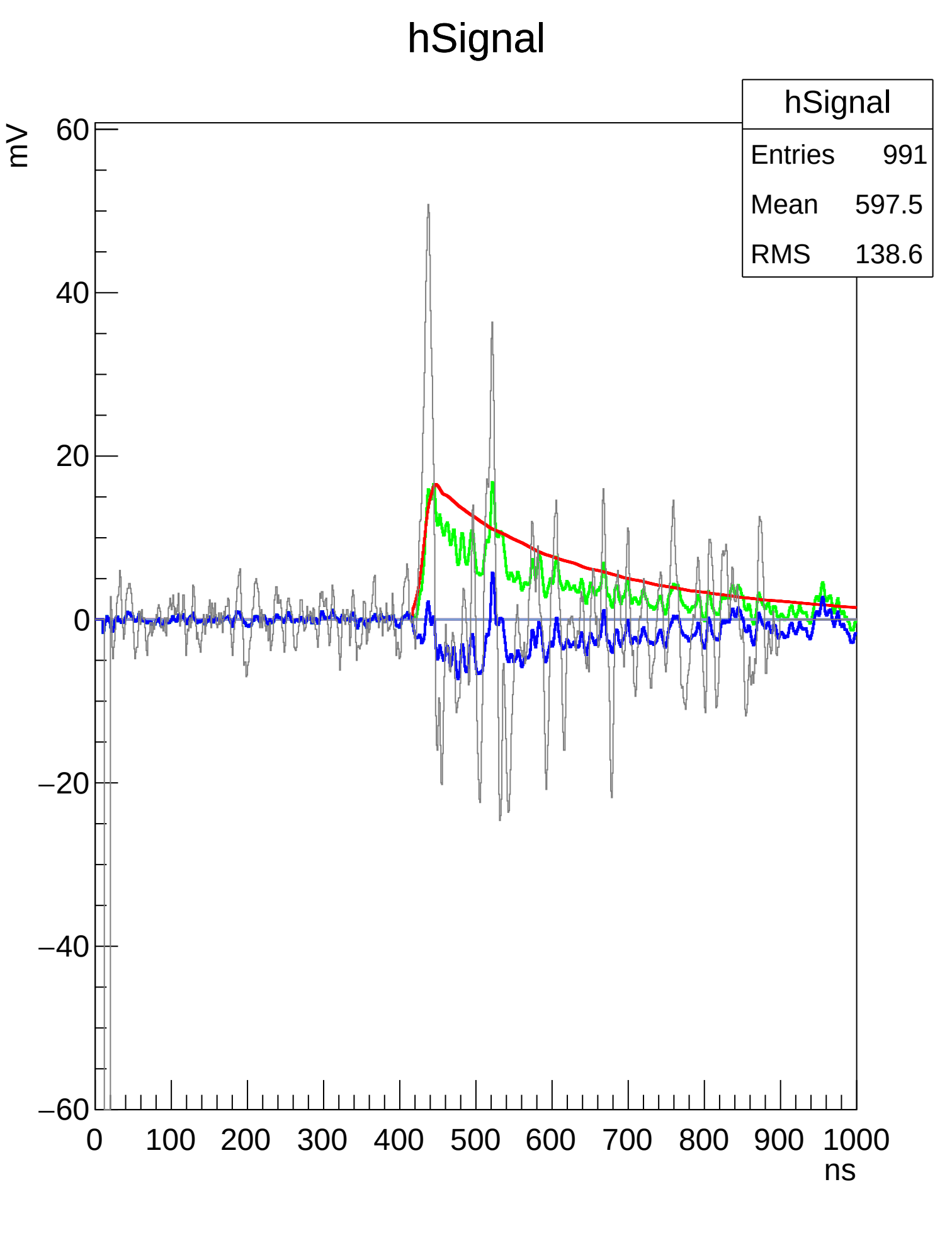
hSignal
hSignal
Entries 991
Mean 597.5
RMS 138.6
mV
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−20
−40
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400
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1000
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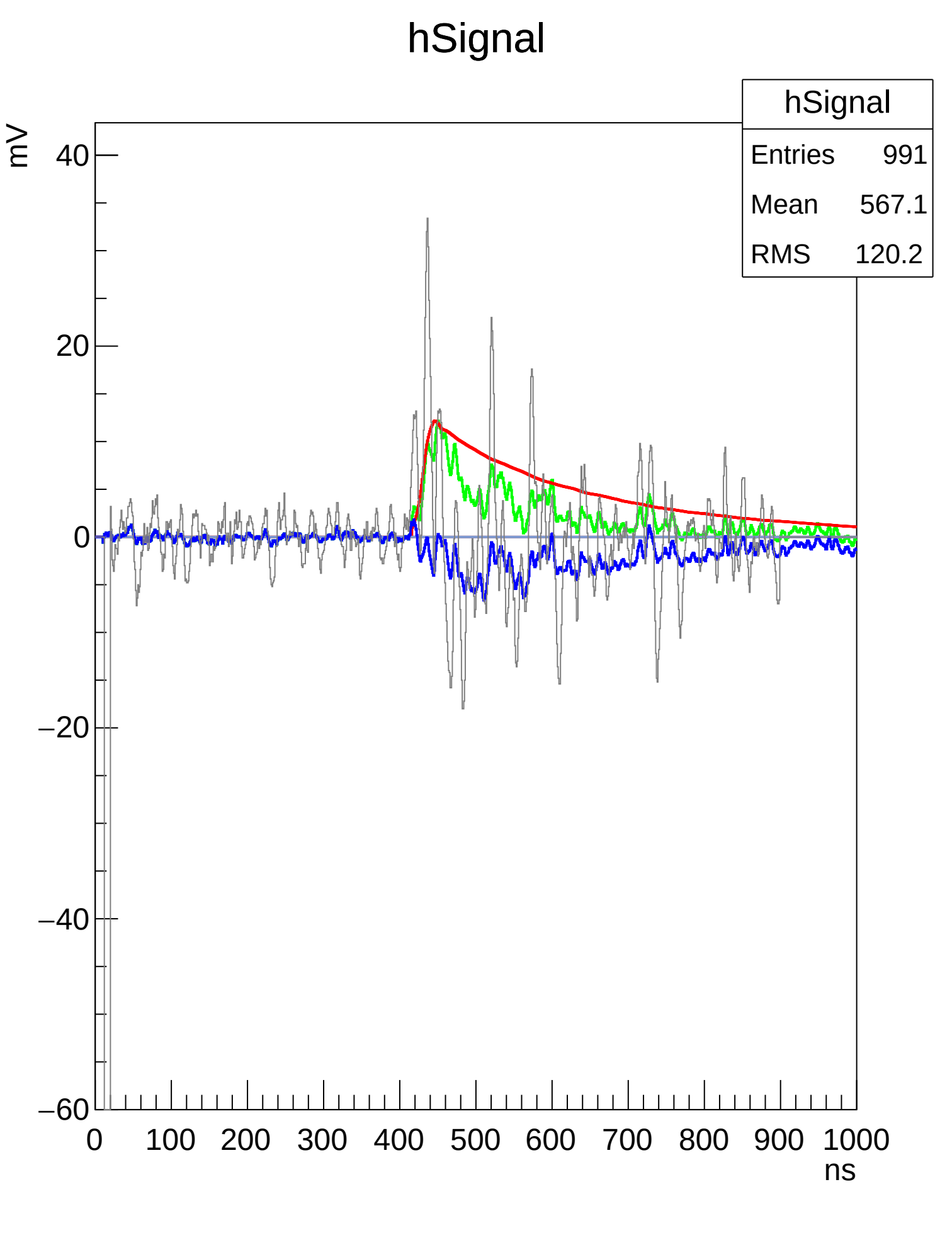
hSignal
hSignal
Entries 991
Mean 567.1
RMS 120.2
mV
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−20
−40
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100
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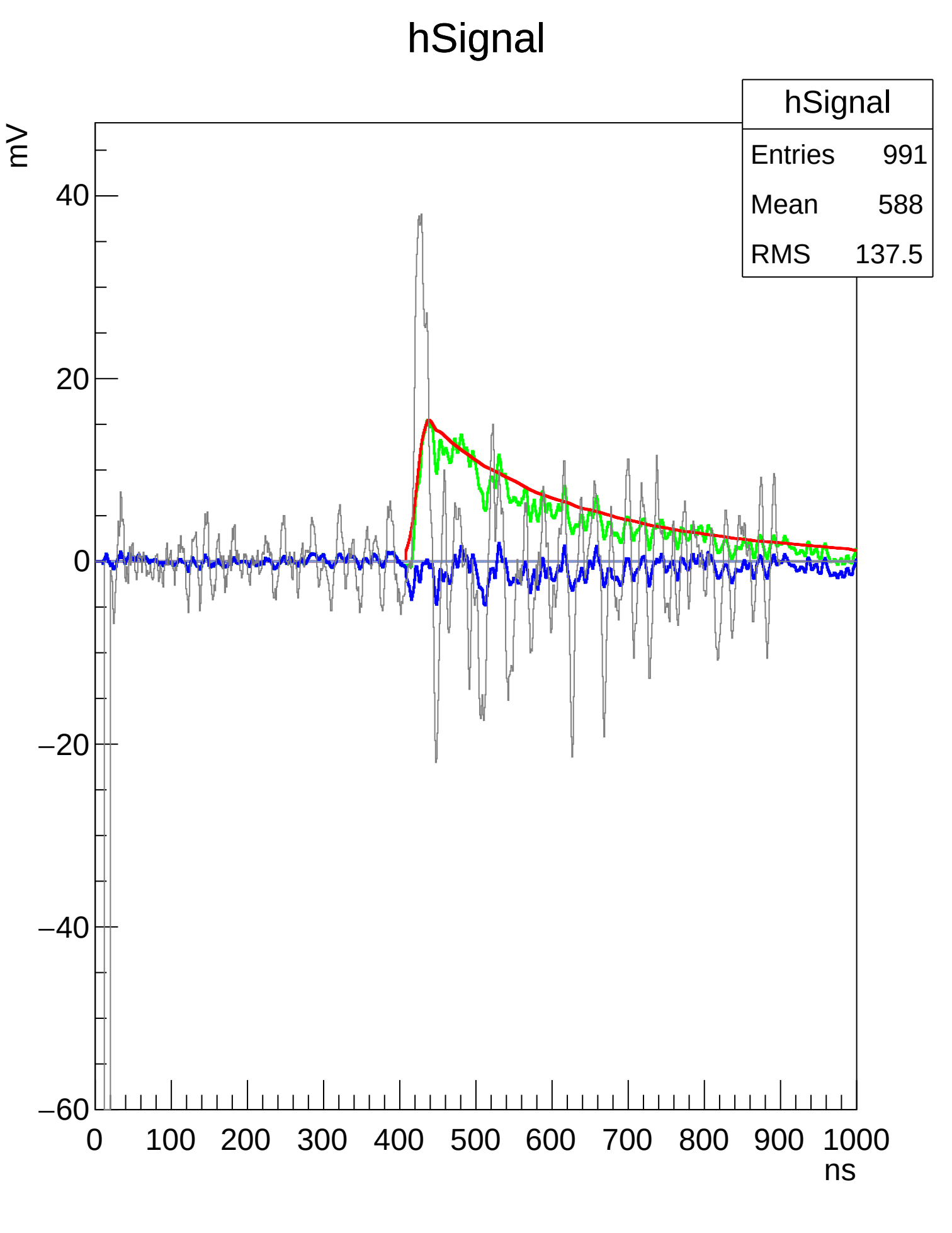
hSignal
hSignal
Entries 991
Mean 588
RMS 137.5
mV
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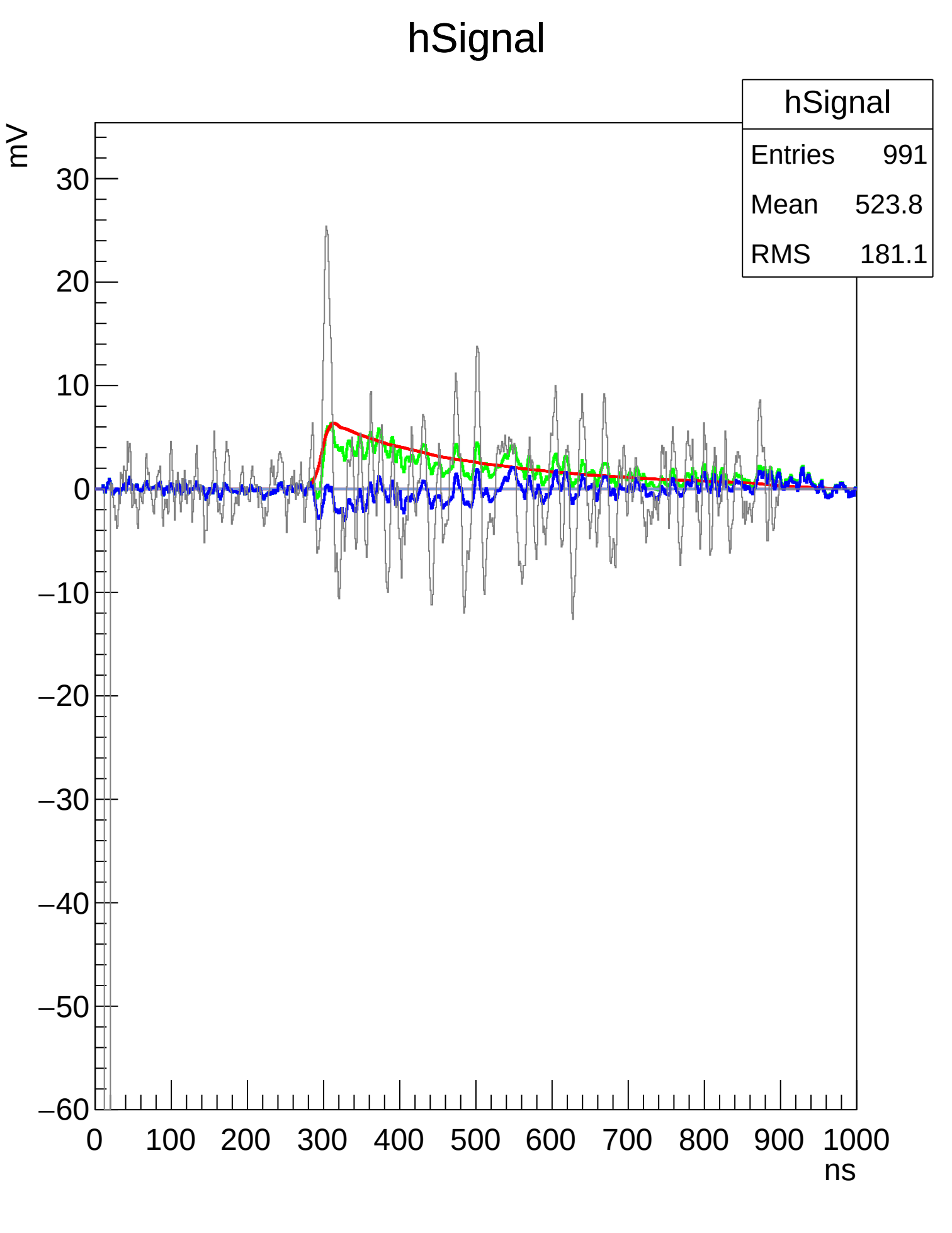
hSignal
hSignal
Entries 991
Mean 523.8
RMS 181.1
mV
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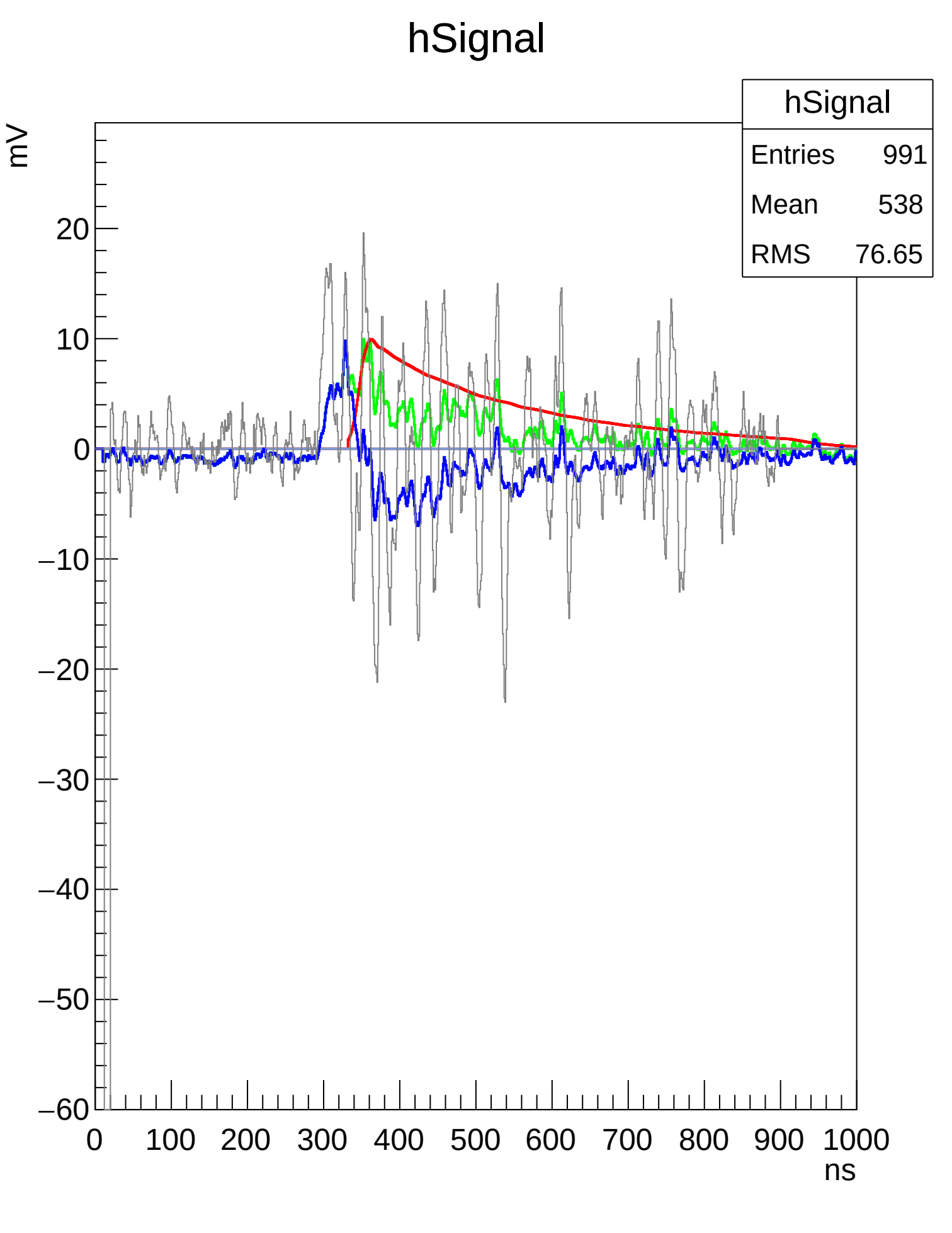
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hSignal
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Mean 538
RMS 76.65
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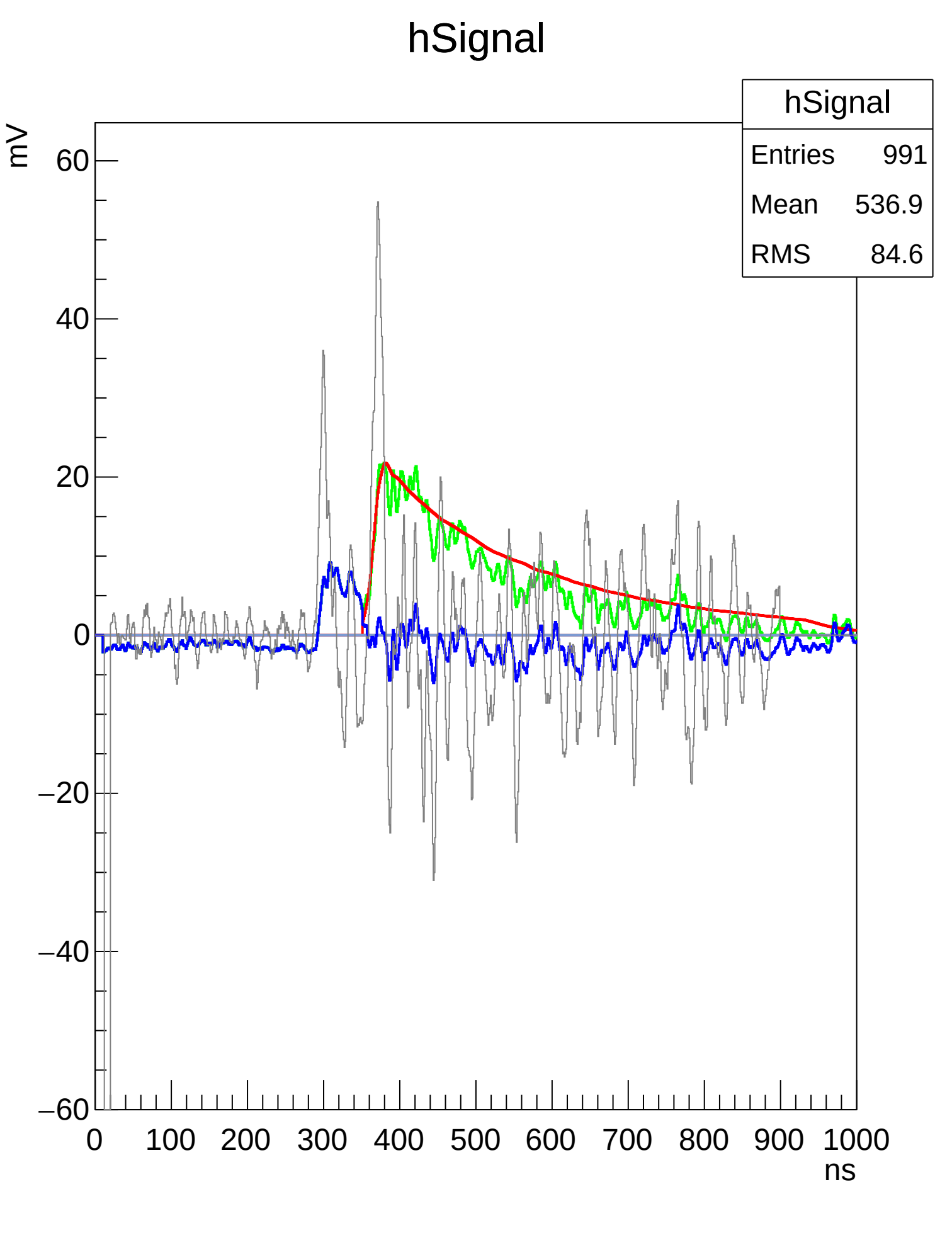
hSignal
hSignal
Entries 991
Mean 536.9
RMS 84.6
mV
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1000
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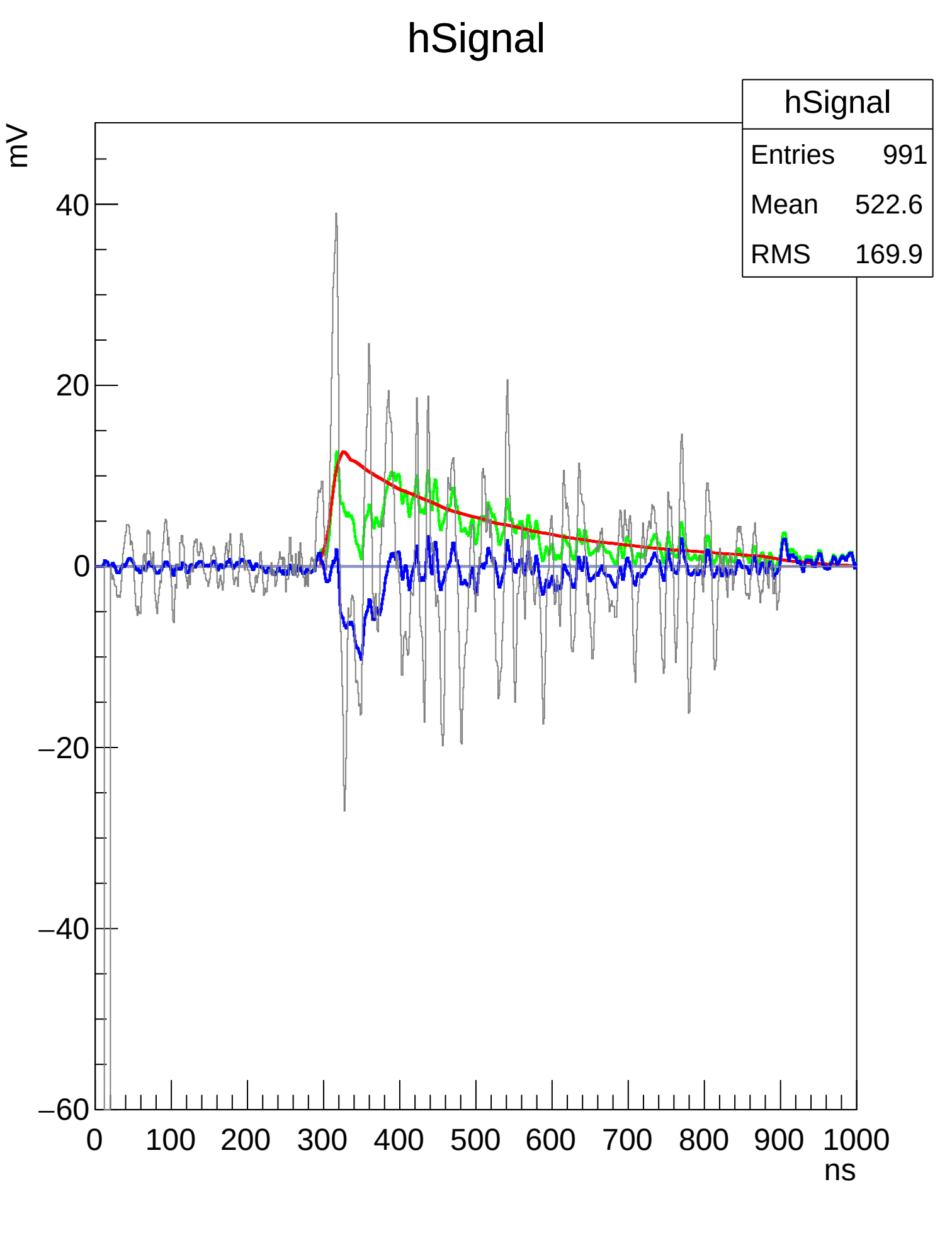
hSignal
hSignal
Entries 991
Mean 522.6
RMS 169.9
mV
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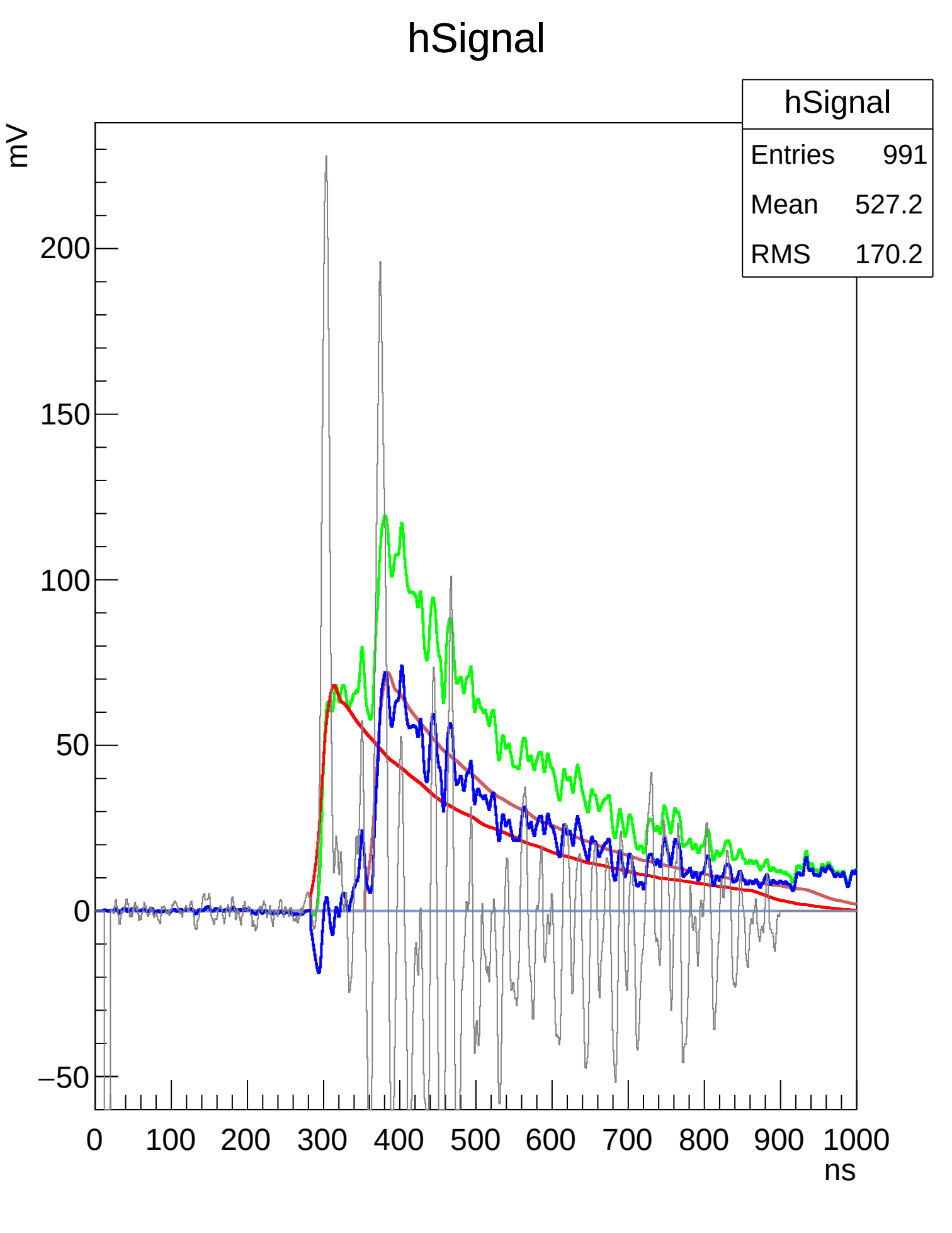
hSignal
hSignal
Entries 991
Mean 527.2
RMS 170.2
mV
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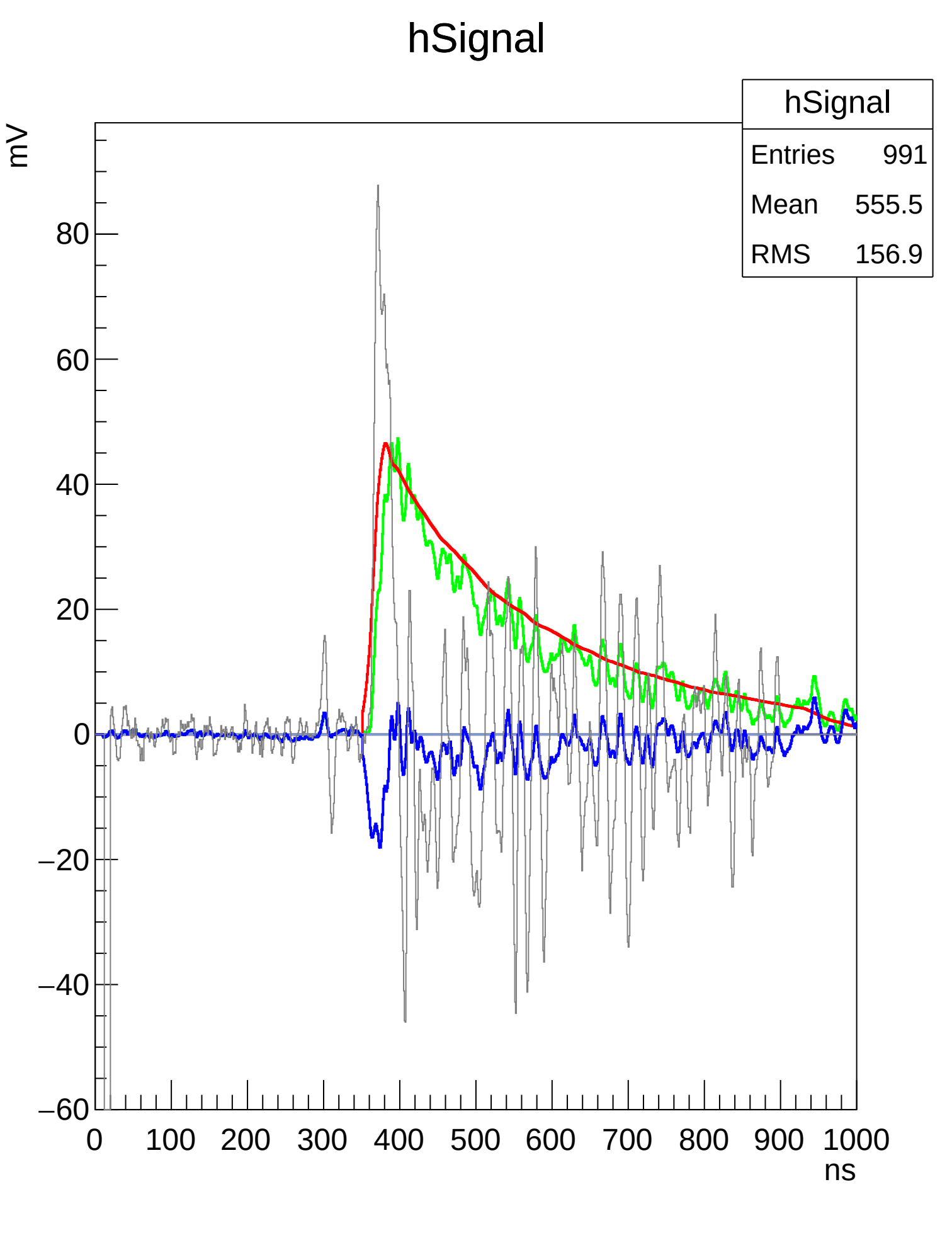
hSignal
hSignal
Entries 991
Mean 555.5
RMS 156.9
mV
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800
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1000
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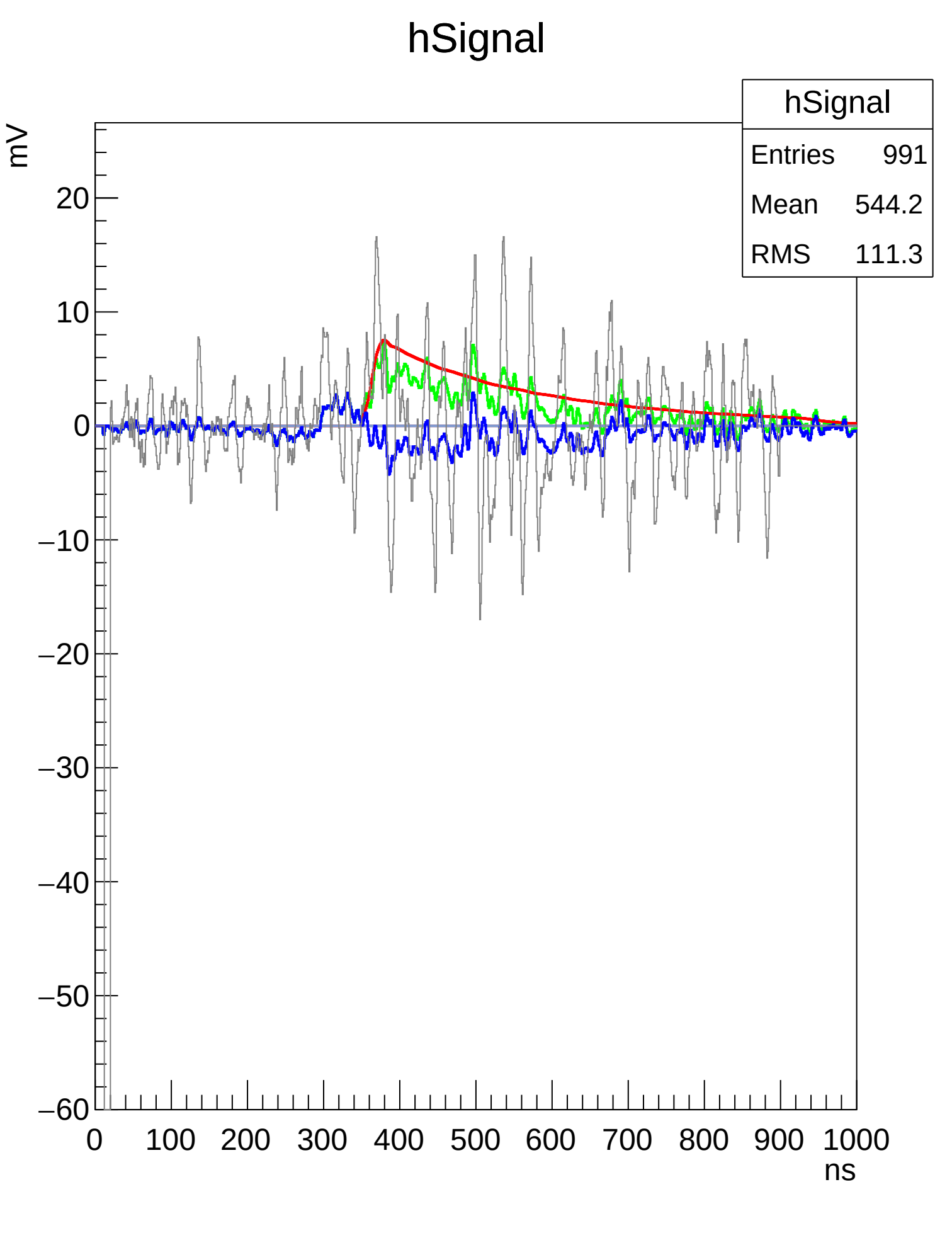
hSignal
hSignal
Entries 991
Mean 544.2
RMS 111.3
mV
20
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800
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1000
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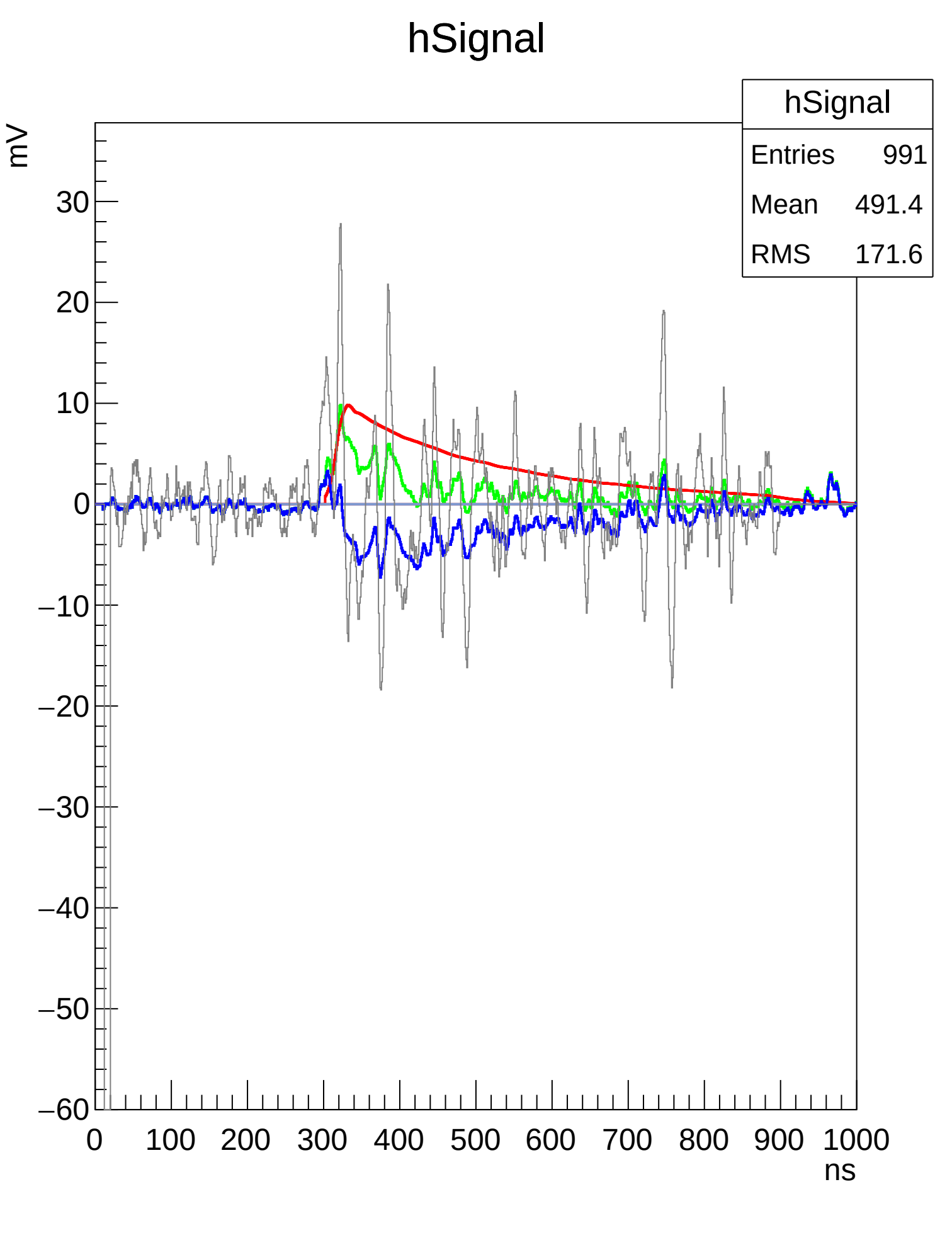
hSignal
hSignal
Entries 991
Mean 491.4
RMS 171.6
mV
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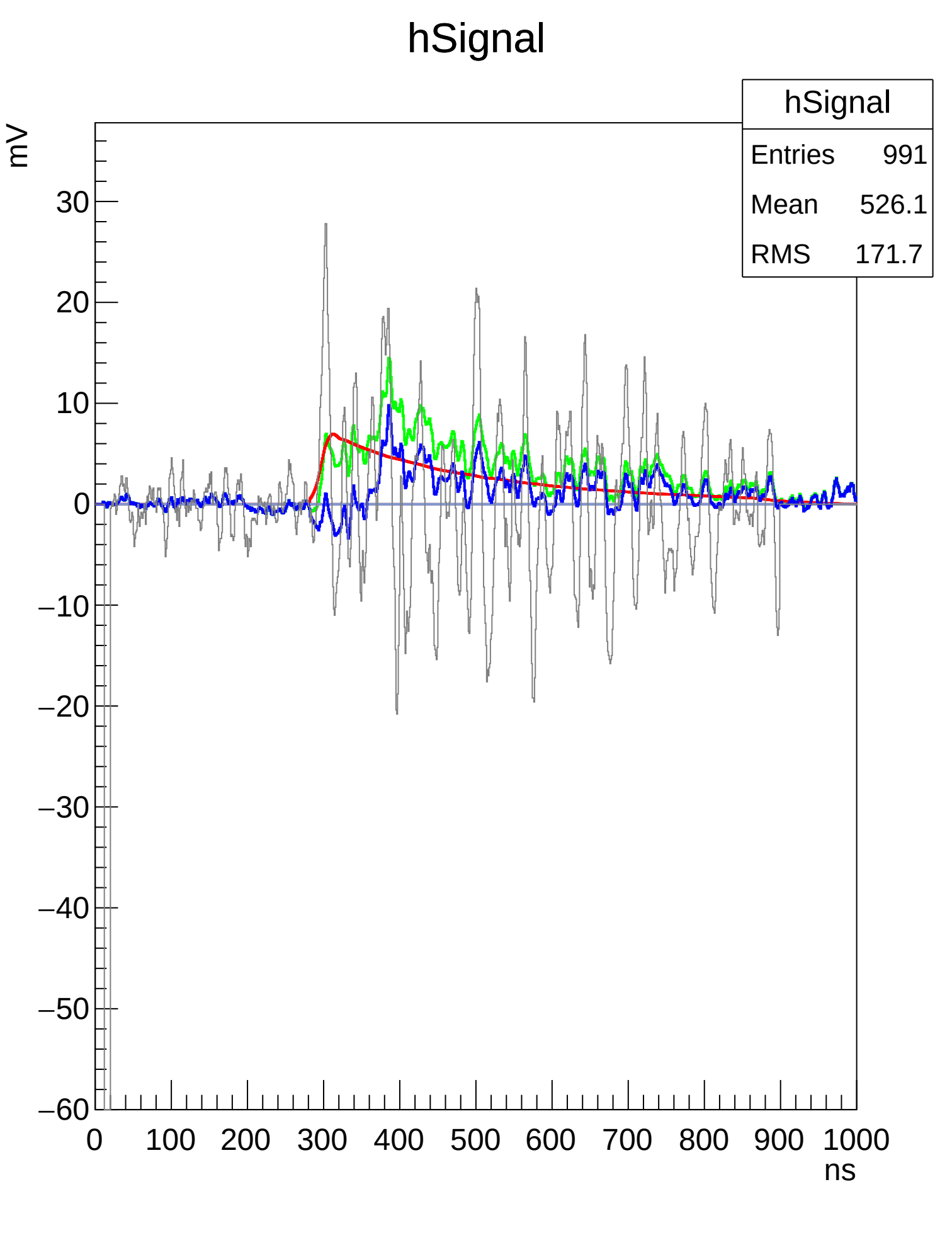
1000
ns


hSignal
hSignal
Entries 991
Mean 526.1
RMS 171.7
mV
30
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10
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1000
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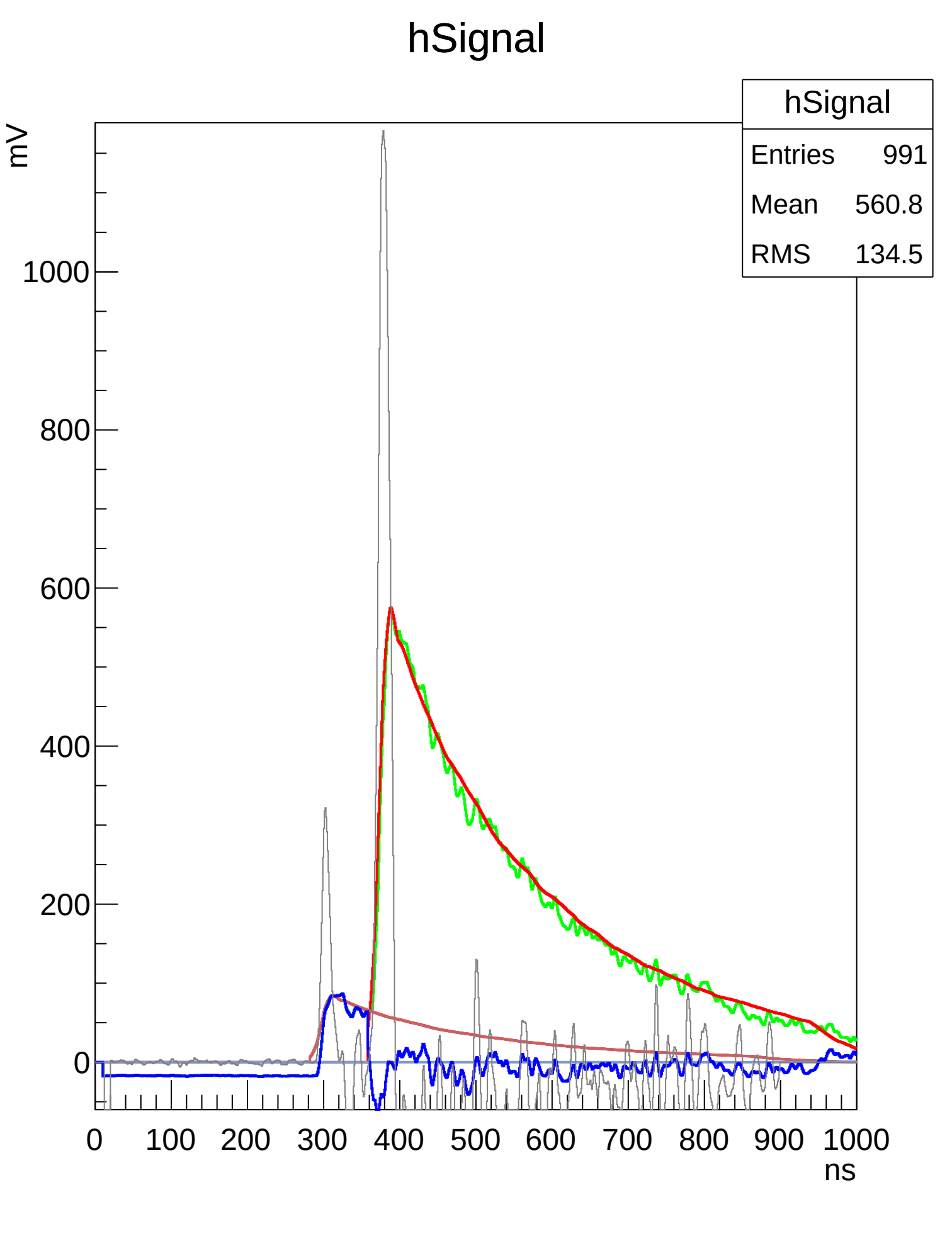
hSignal
hSignal
Entries 991
Mean 560.8
RMS 134.5
mV
1000
800
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400
200
0
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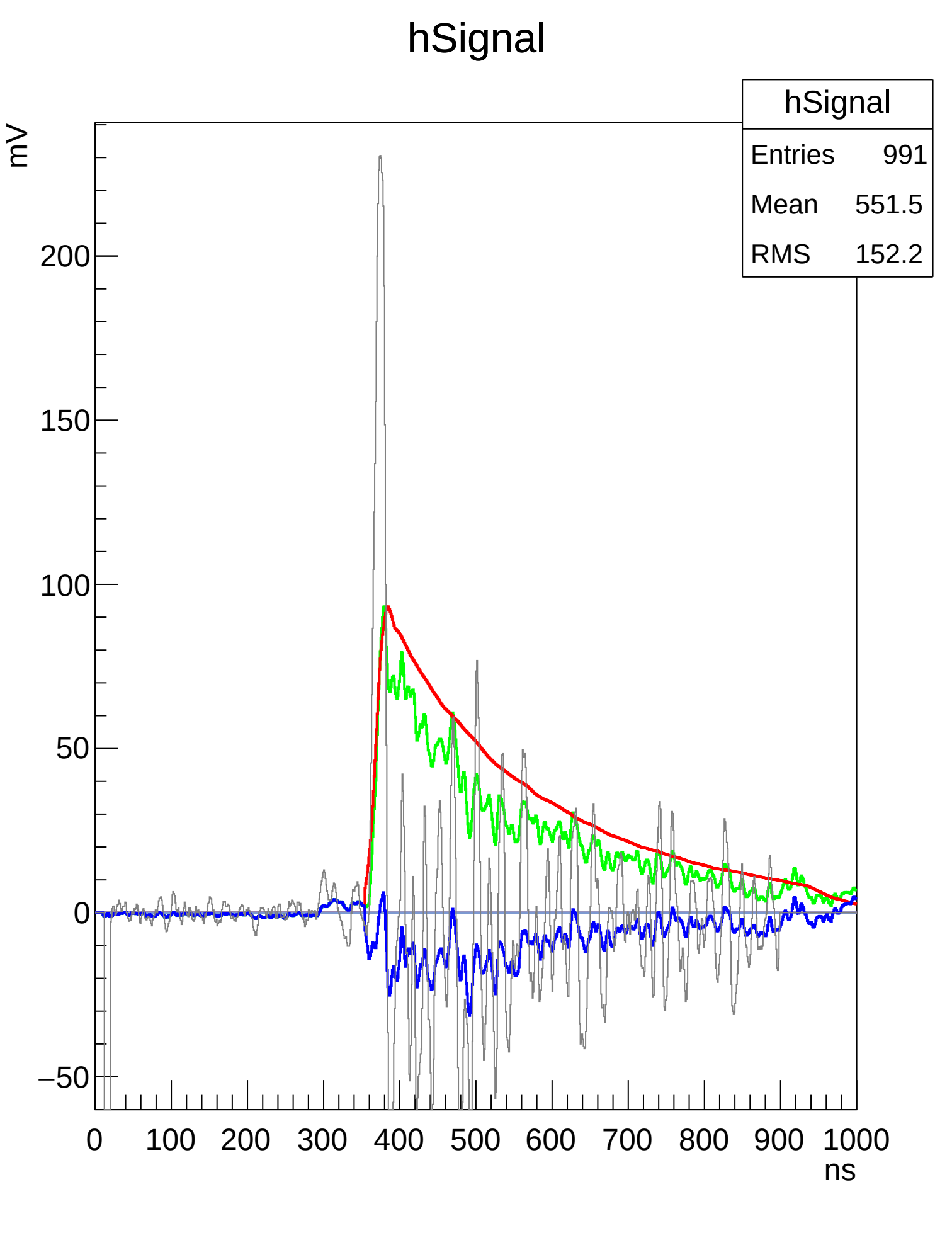
ns


hSignal
hSignal
Entries 991
Mean 551.5
RMS 152.2
mV
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100
50
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600
700
800
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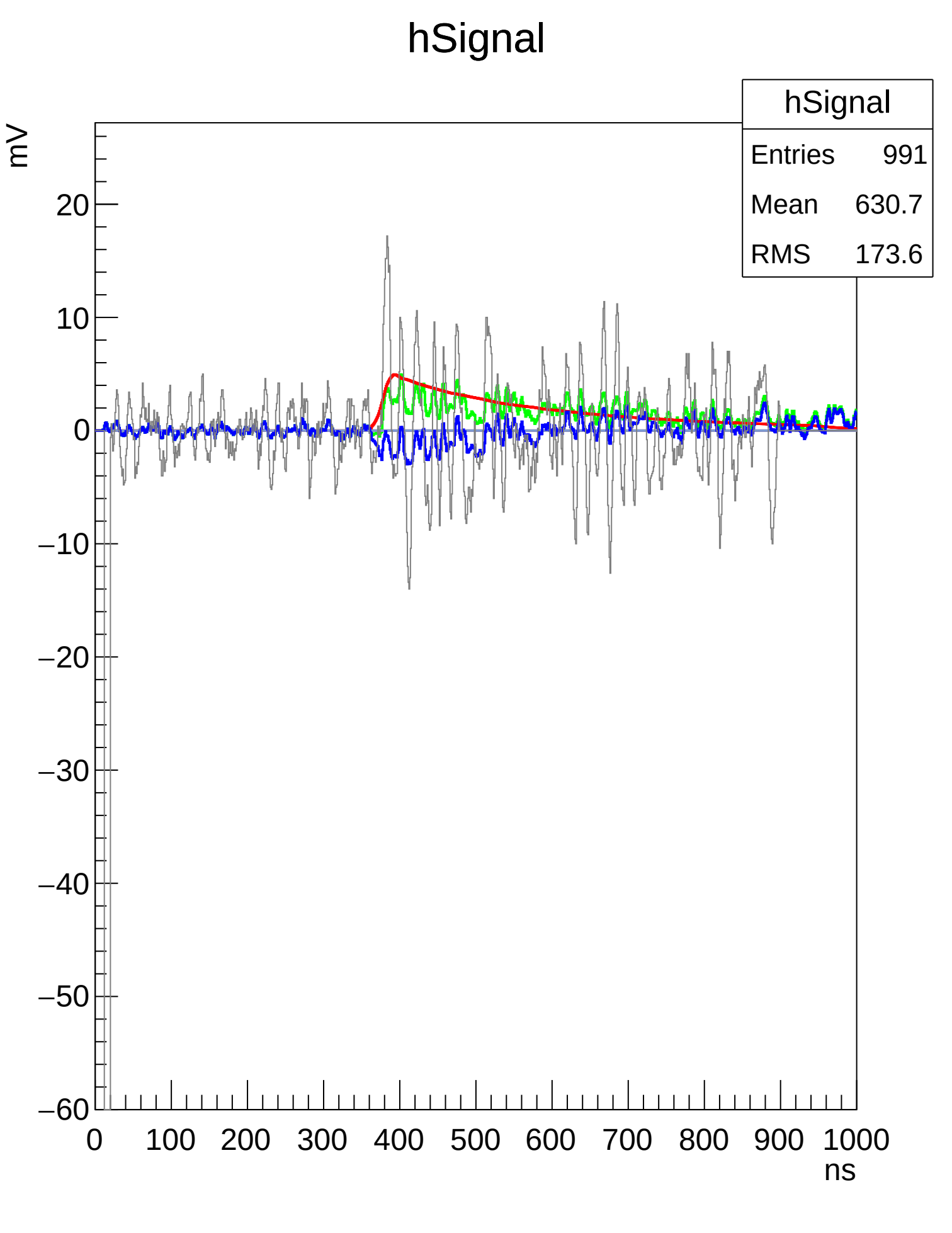
1000
ns


hSignal
hSignal
Entries 991
Mean 630.7
RMS 173.6
mV
20
10
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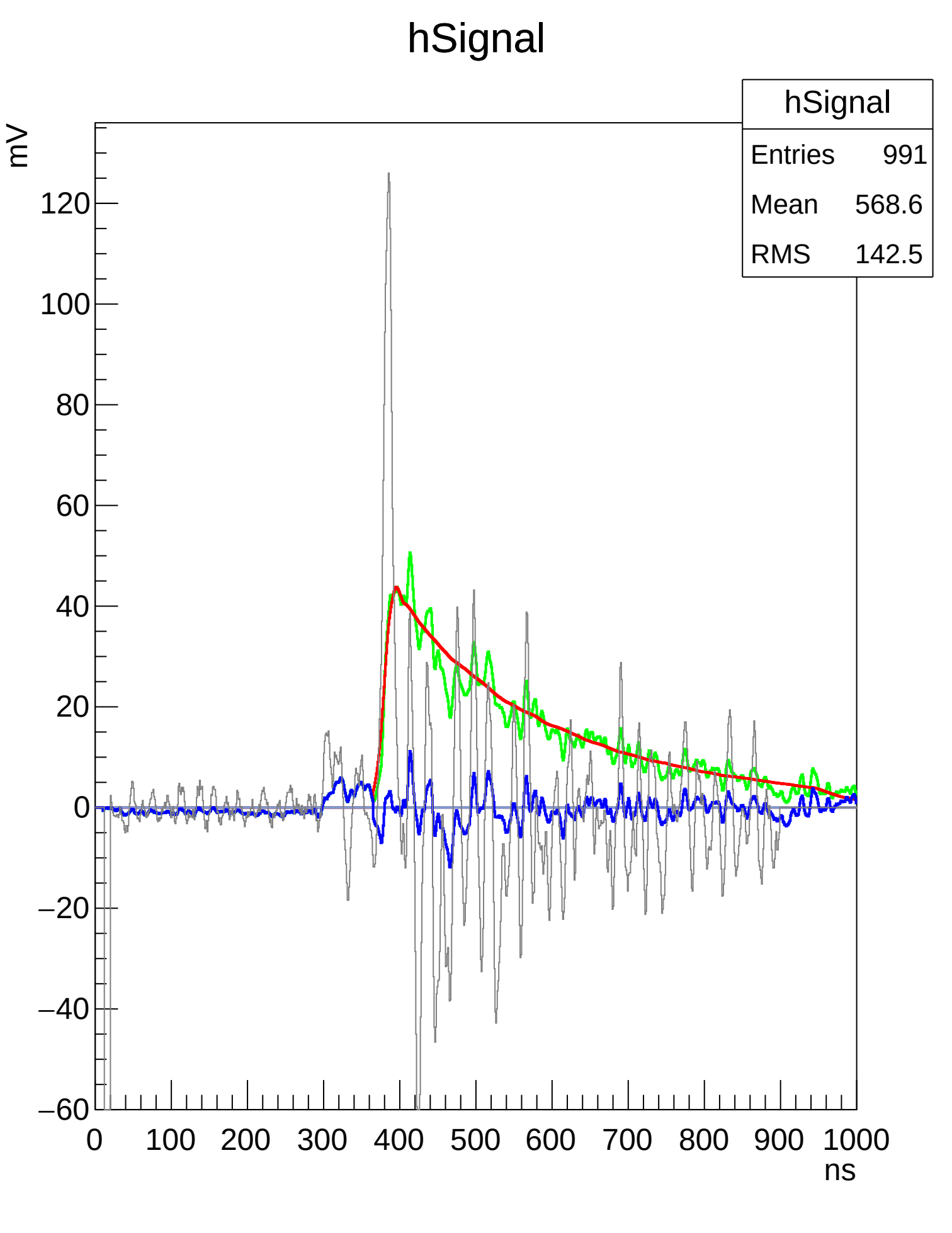
1000
ns


hSignal
hSignal
Entries 991
Mean 568.6
RMS 142.5
mV
120
100
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800
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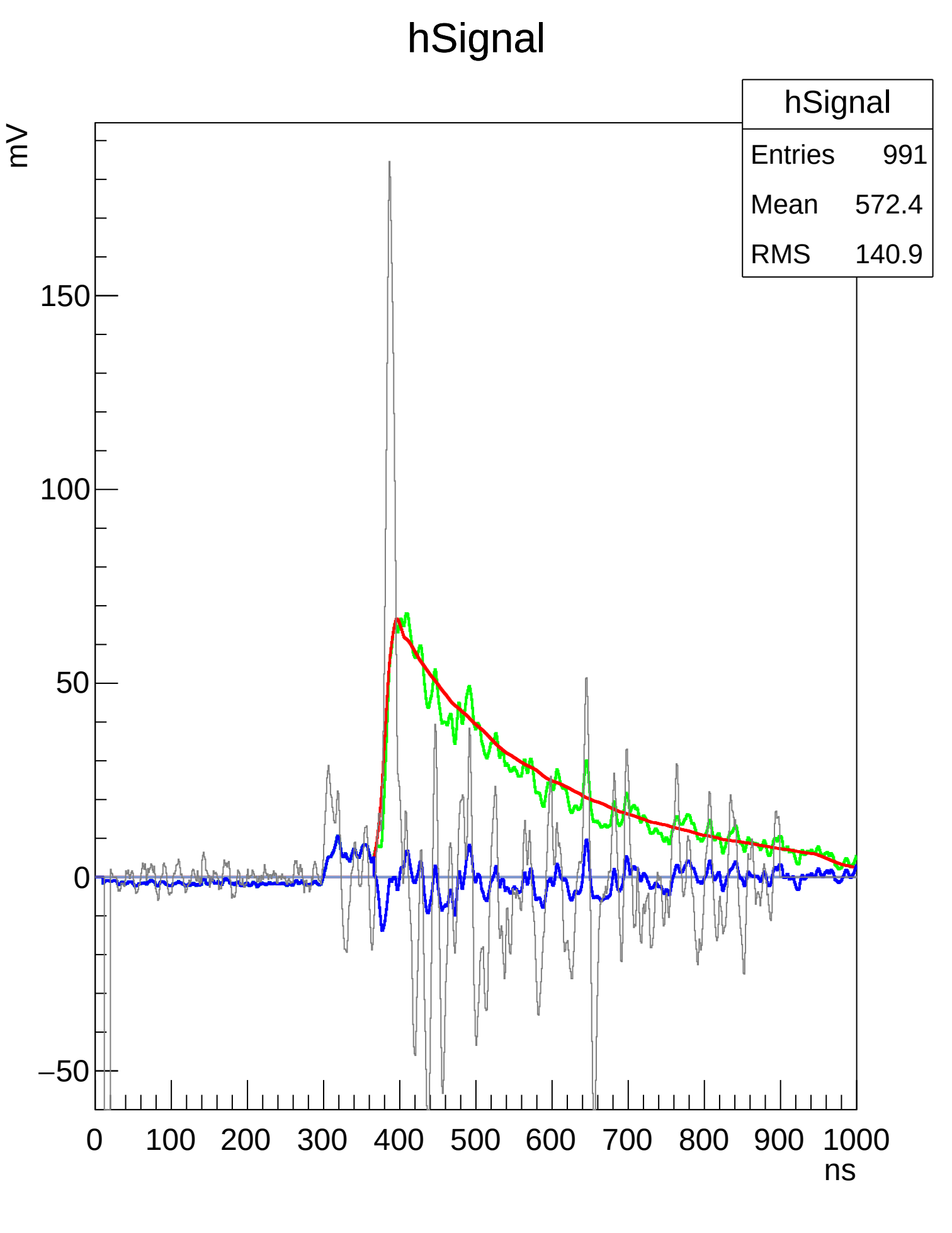
1000
ns


hSignal
hSignal
Entries 991
Mean 572.4
RMS 140.9
mV
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100
200
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800
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1000
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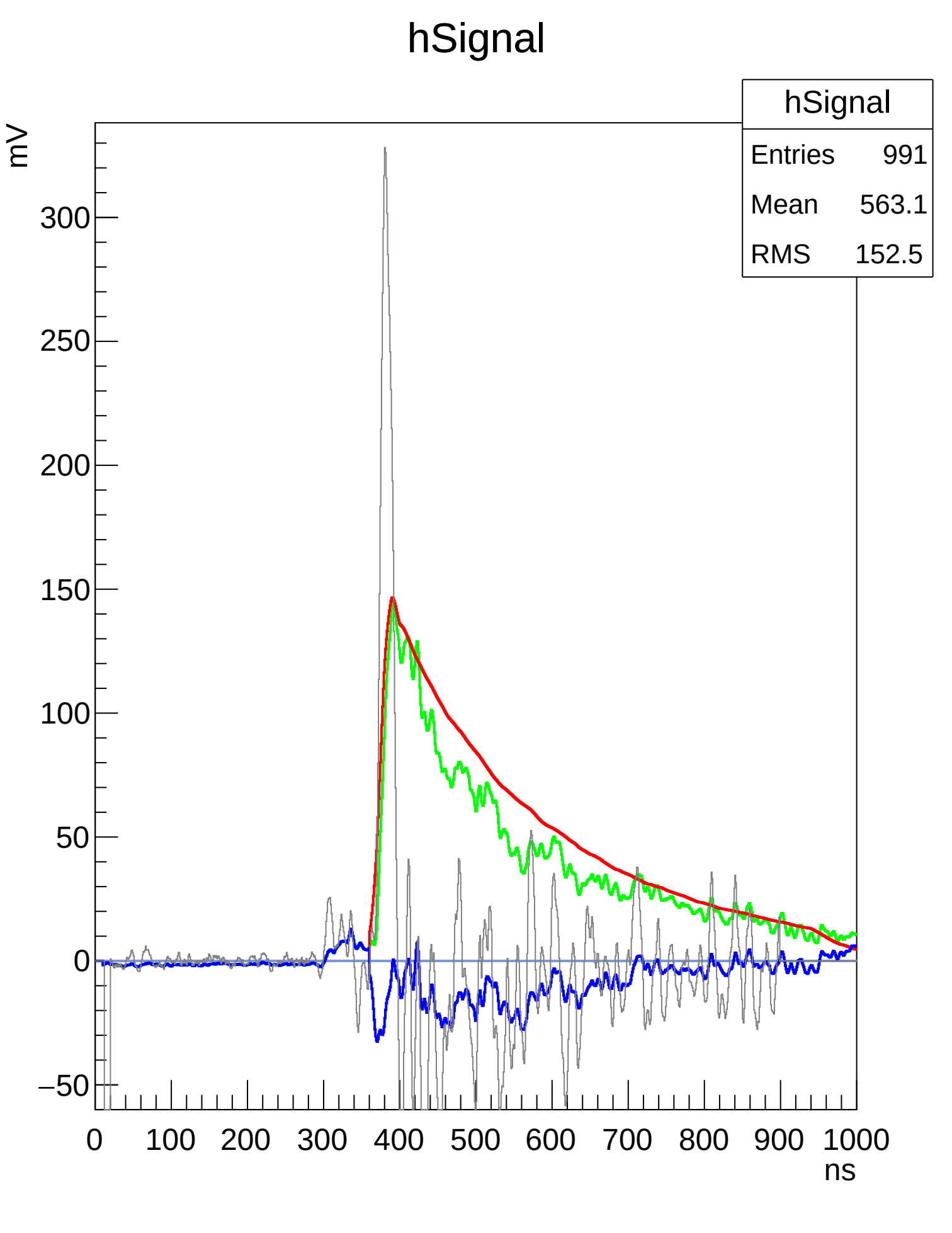
hSignal
hSignal
Entries 991
Mean 563.1
RMS 152.5
mV
300
250
200
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100
50
0
−50
0
100
200
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400
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800
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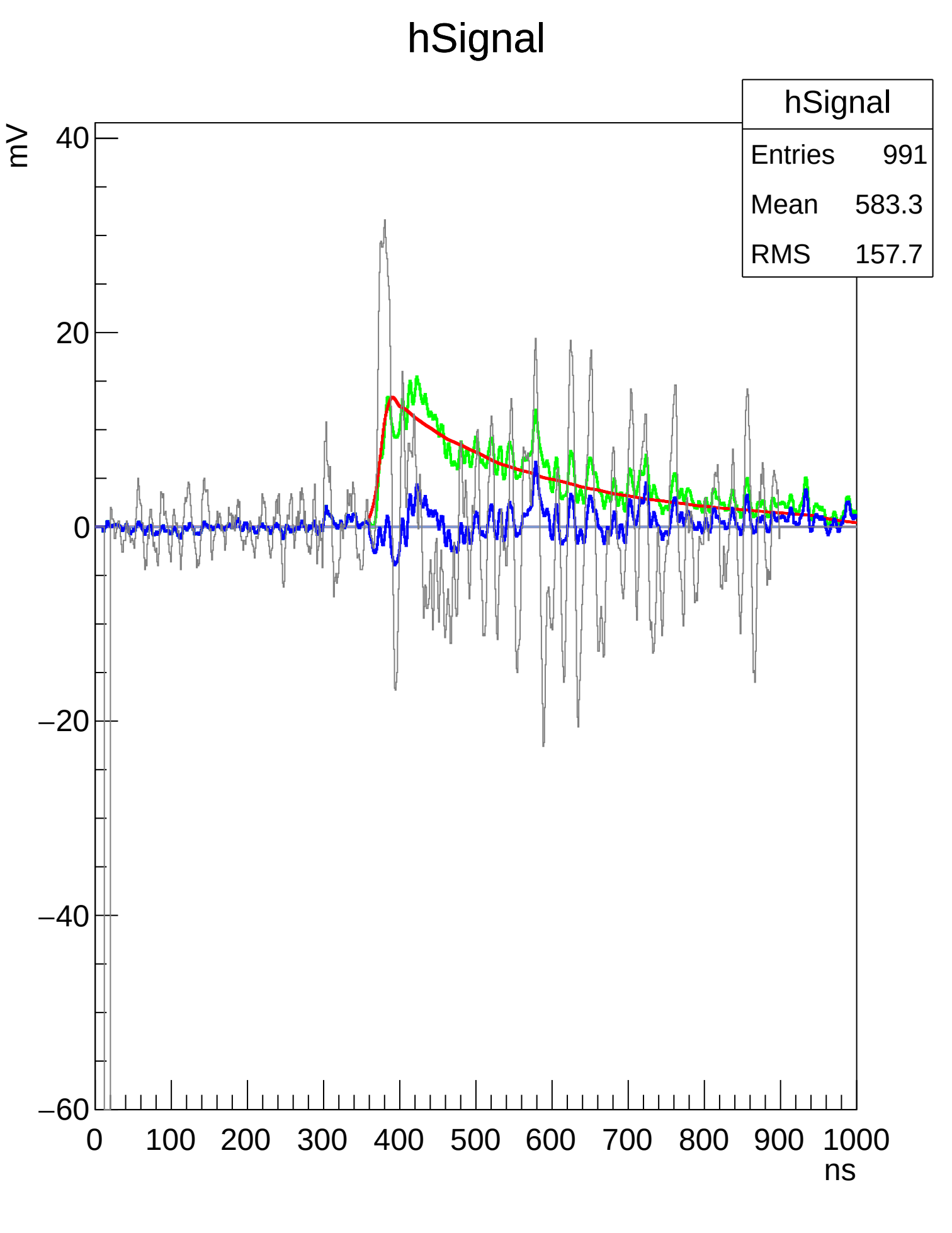
1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 157.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
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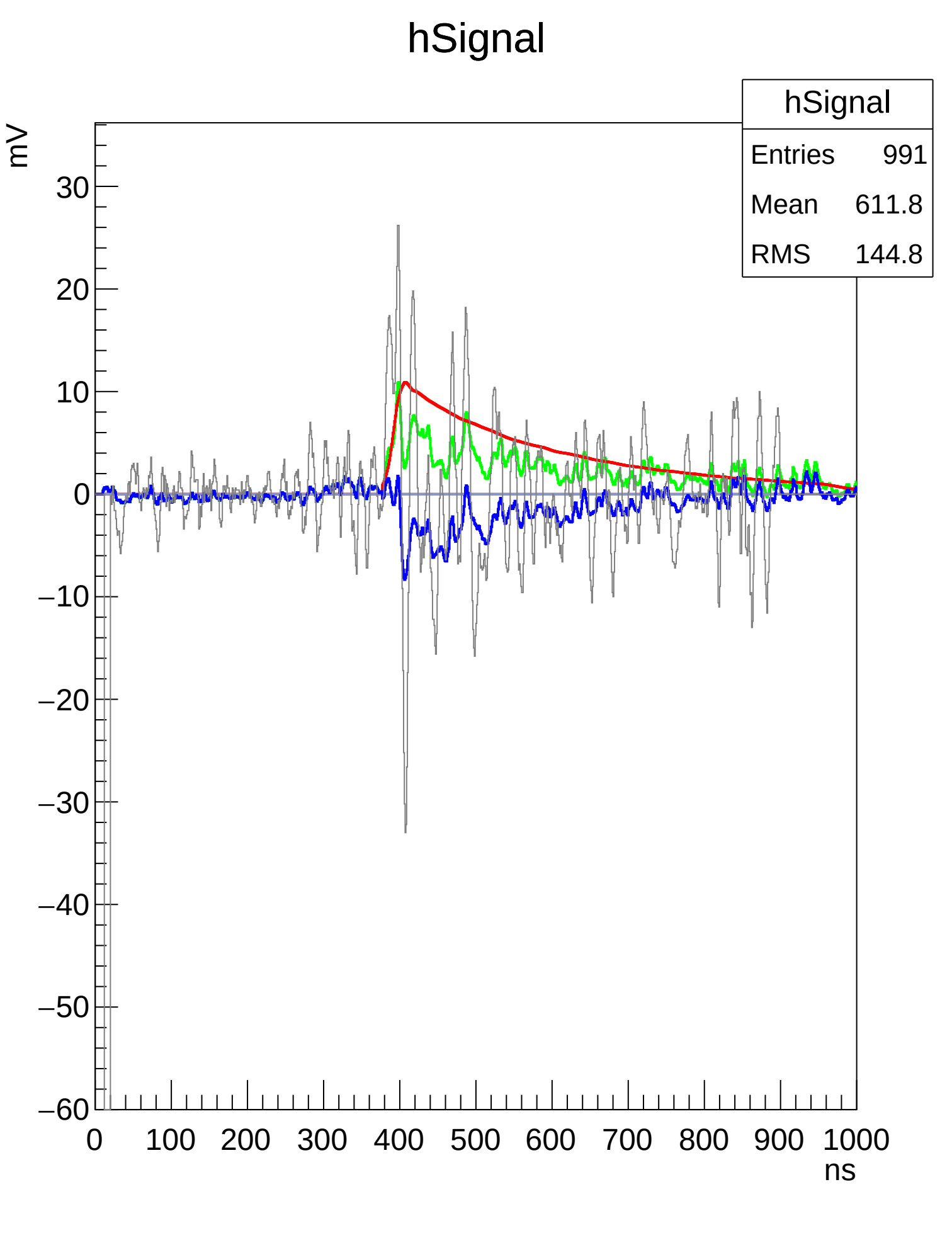
hSignal
hSignal
Entries 991
Mean 611.8
RMS 144.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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1000
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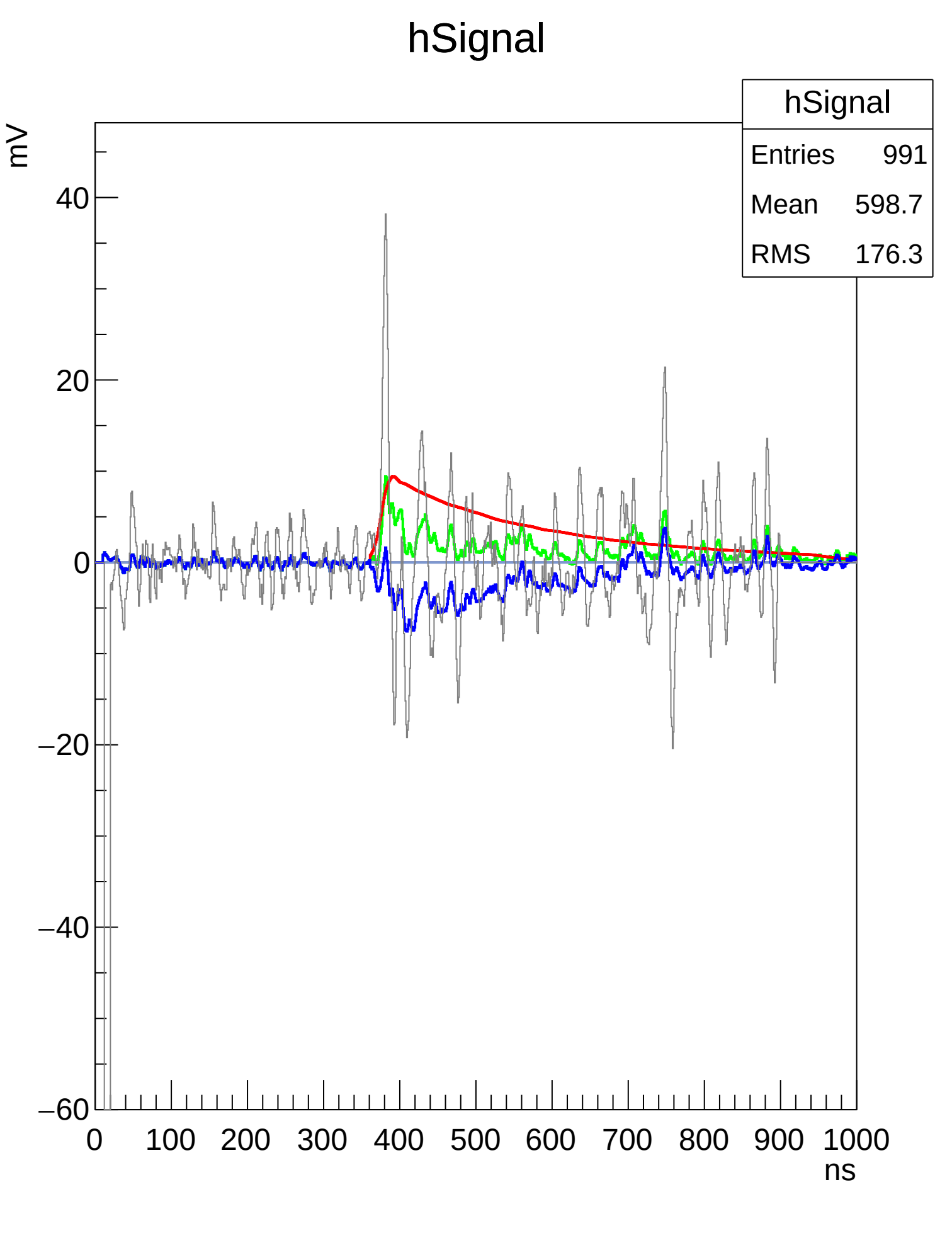
hSignal
hSignal
Entries 991
Mean 598.7
RMS 176.3
mV
40
20
0
−20
−40
−60
0
100
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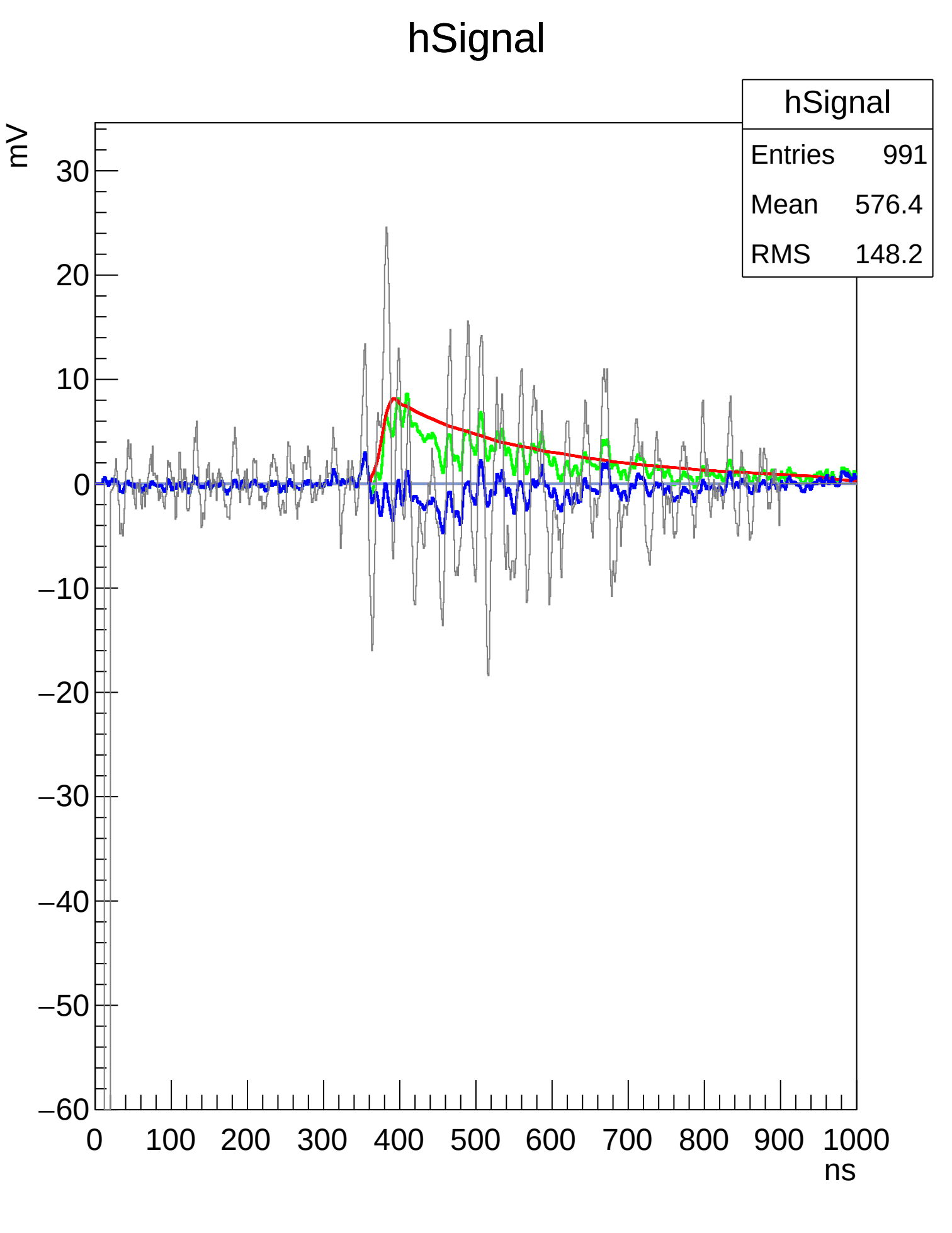
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.4
RMS 148.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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700
800
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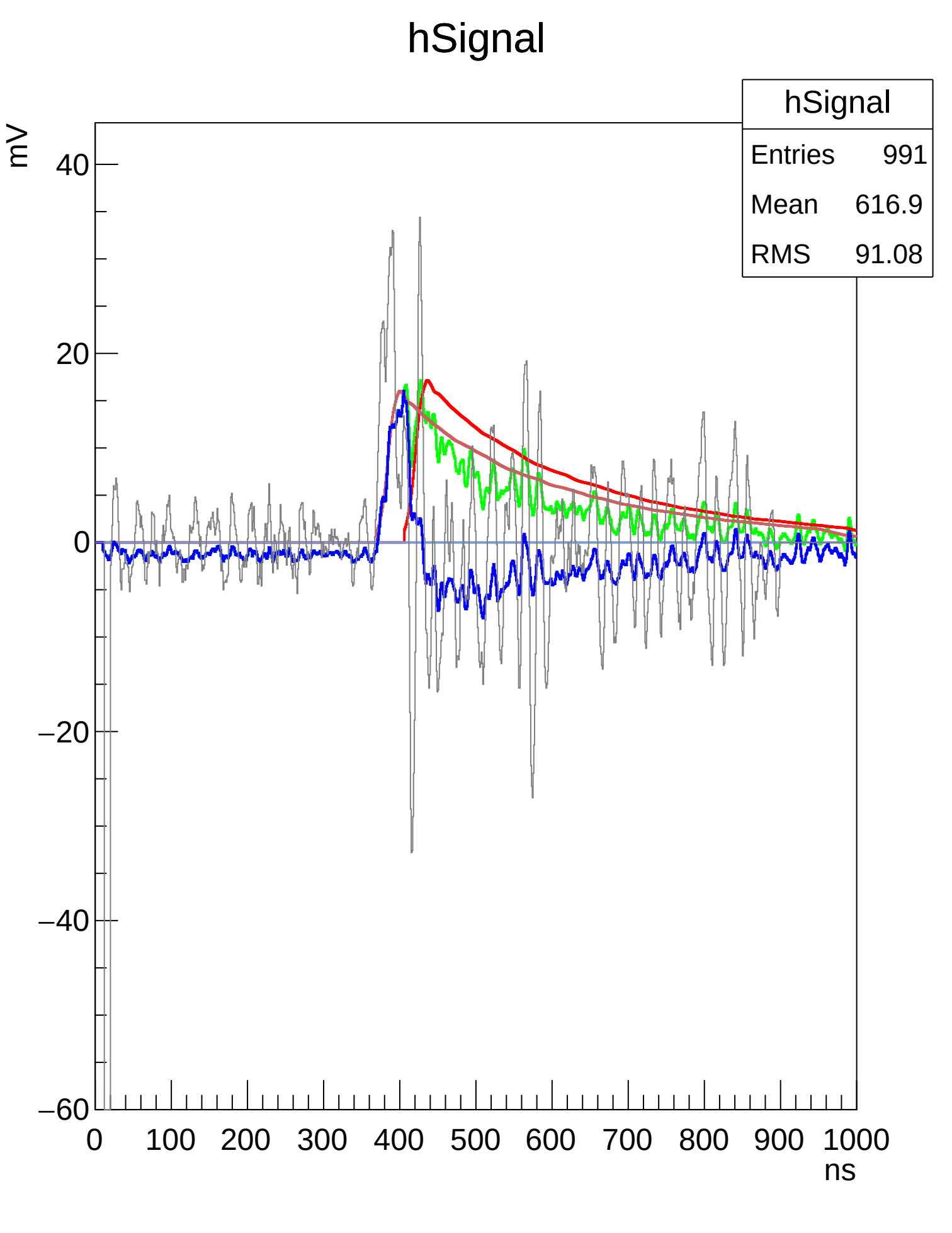
1000
ns


hSignal
hSignal
Entries 991
Mean 616.9
RMS 91.08
mV
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−20
−40
−60
0
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800
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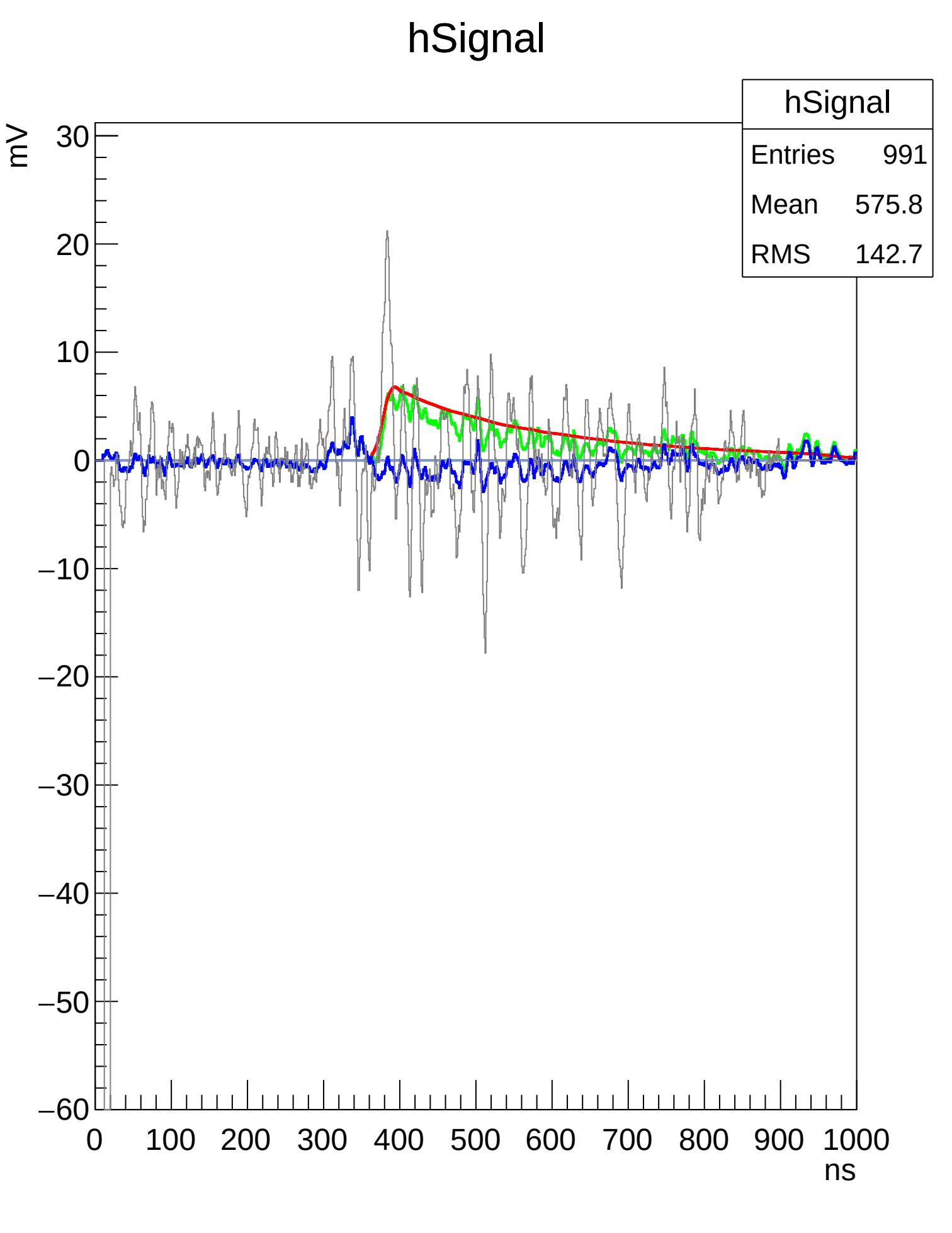
1000
ns


hSignal
hSignal
Entries 991
Mean 575.8
RMS 142.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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1000
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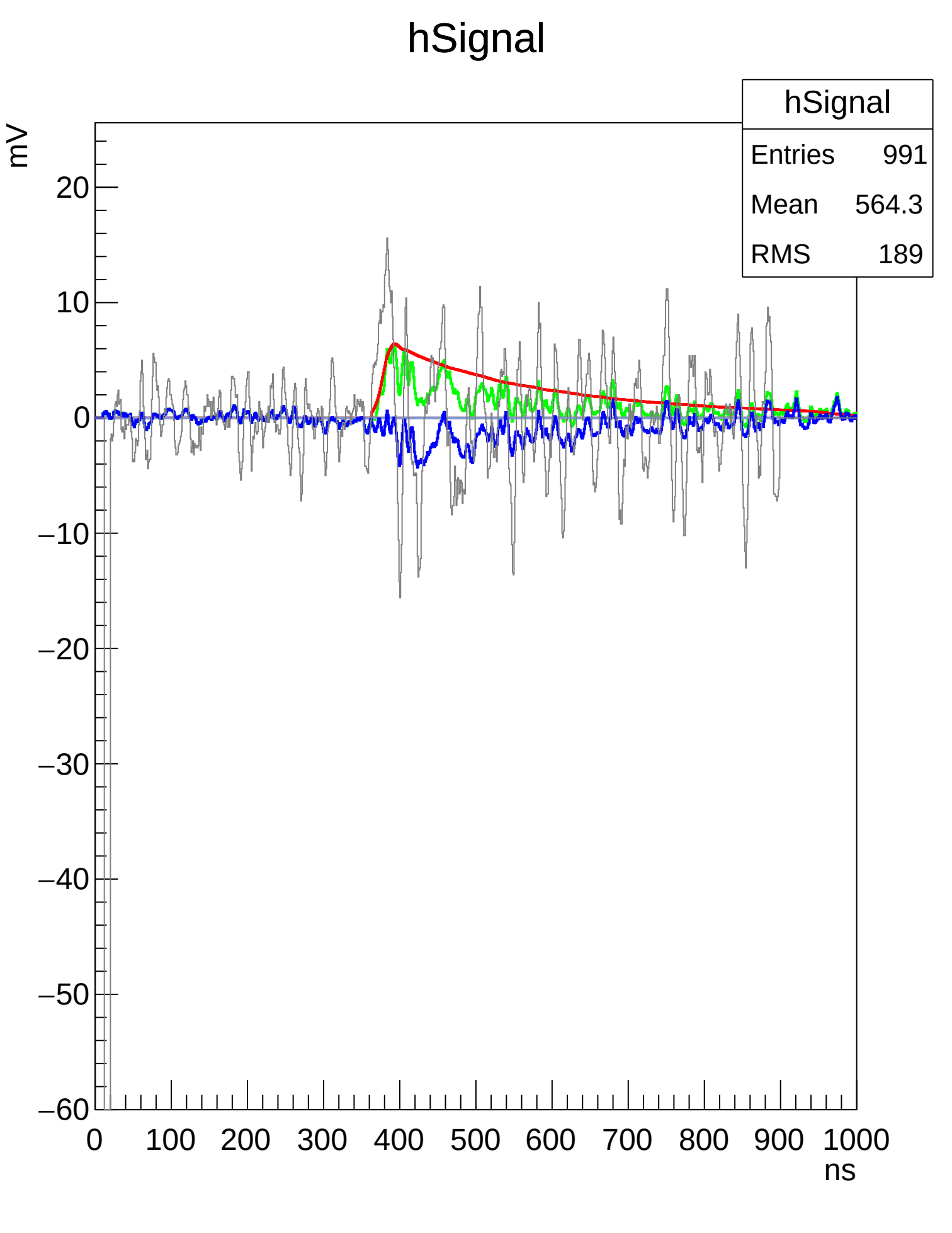
hSignal
hSignal
Entries 991
Mean 564.3
RMS 189
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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800
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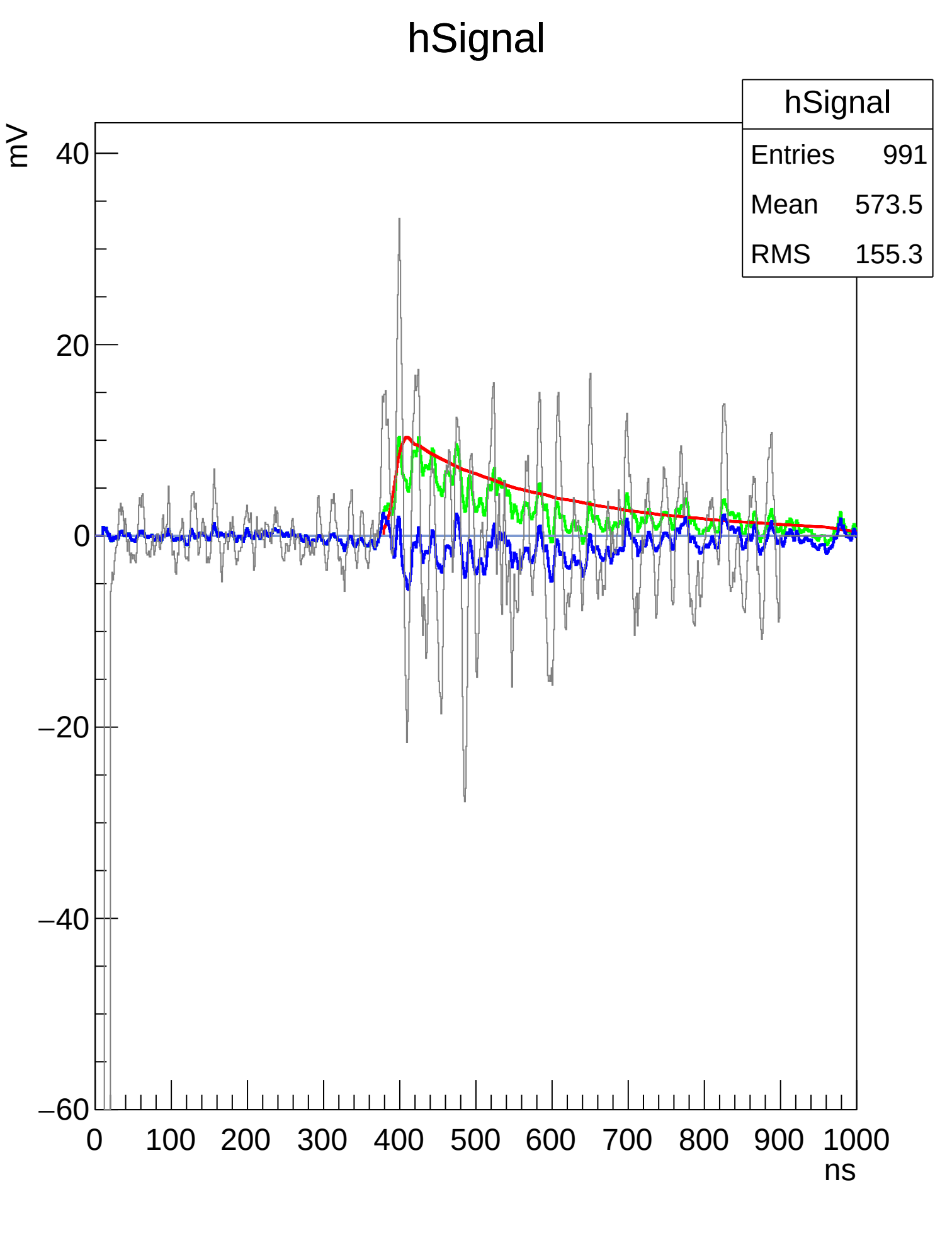
1000
ns


hSignal
hSignal
Entries 991
Mean 573.5
RMS 155.3
mV
40
20
0
−20
−40
−60
0
100
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400
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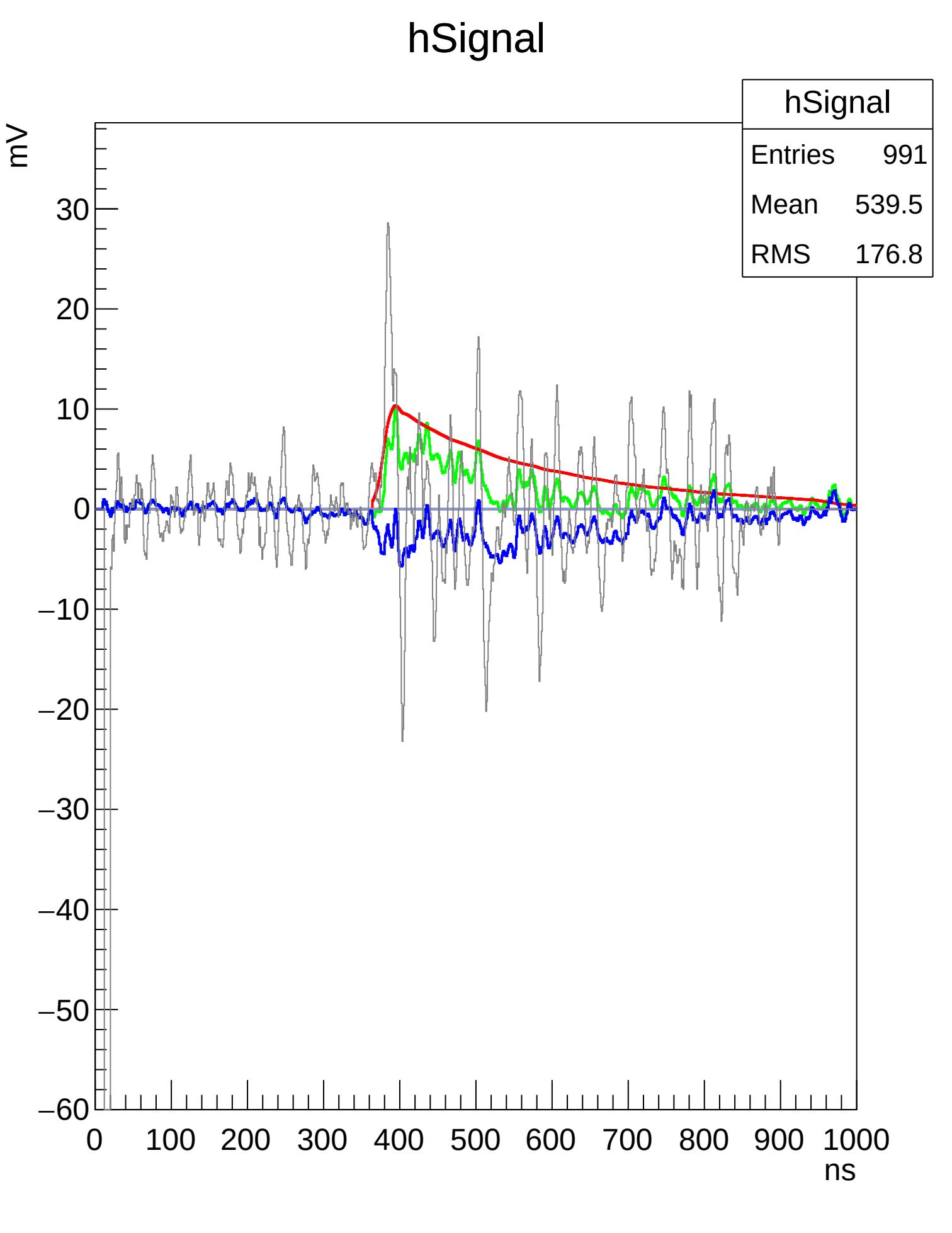
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.5
RMS 176.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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800
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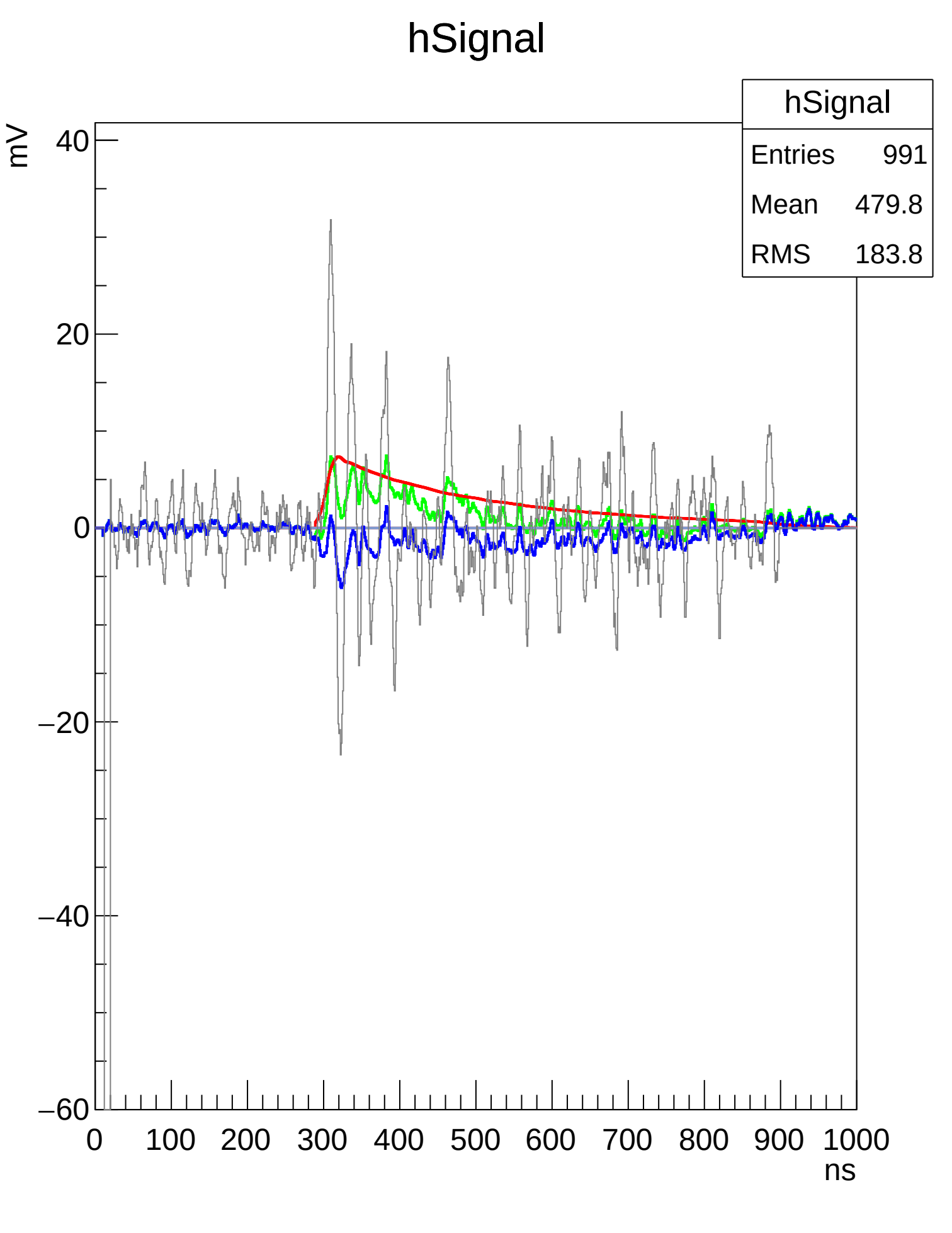
1000
ns


hSignal
hSignal
Entries 991
Mean 479.8
RMS 183.8
mV
40
20
0
−20
−40
−60
0
100
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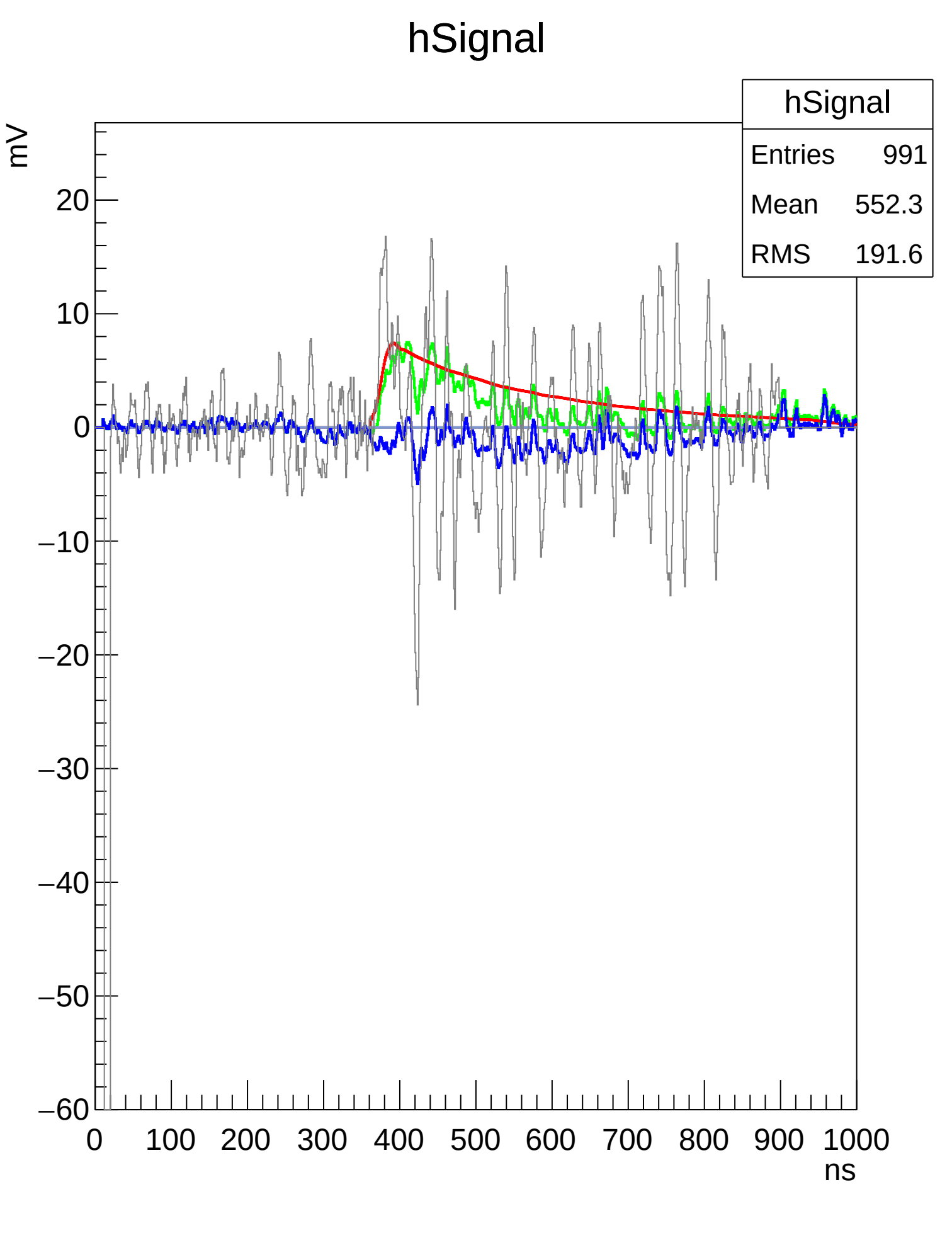
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.3
RMS 191.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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800
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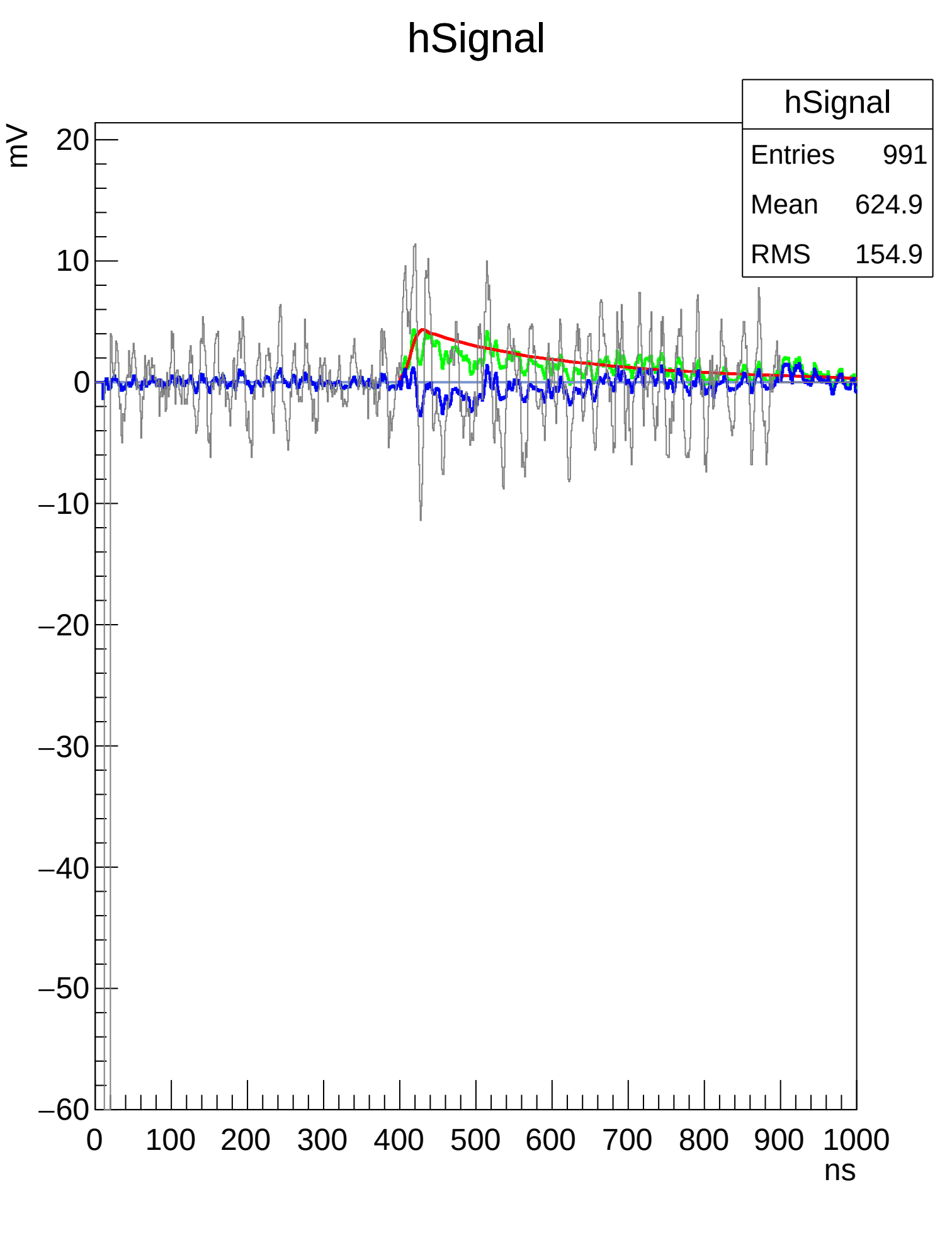
1000
ns


hSignal
hSignal
Entries 991
Mean 624.9
RMS 154.9
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
700
800
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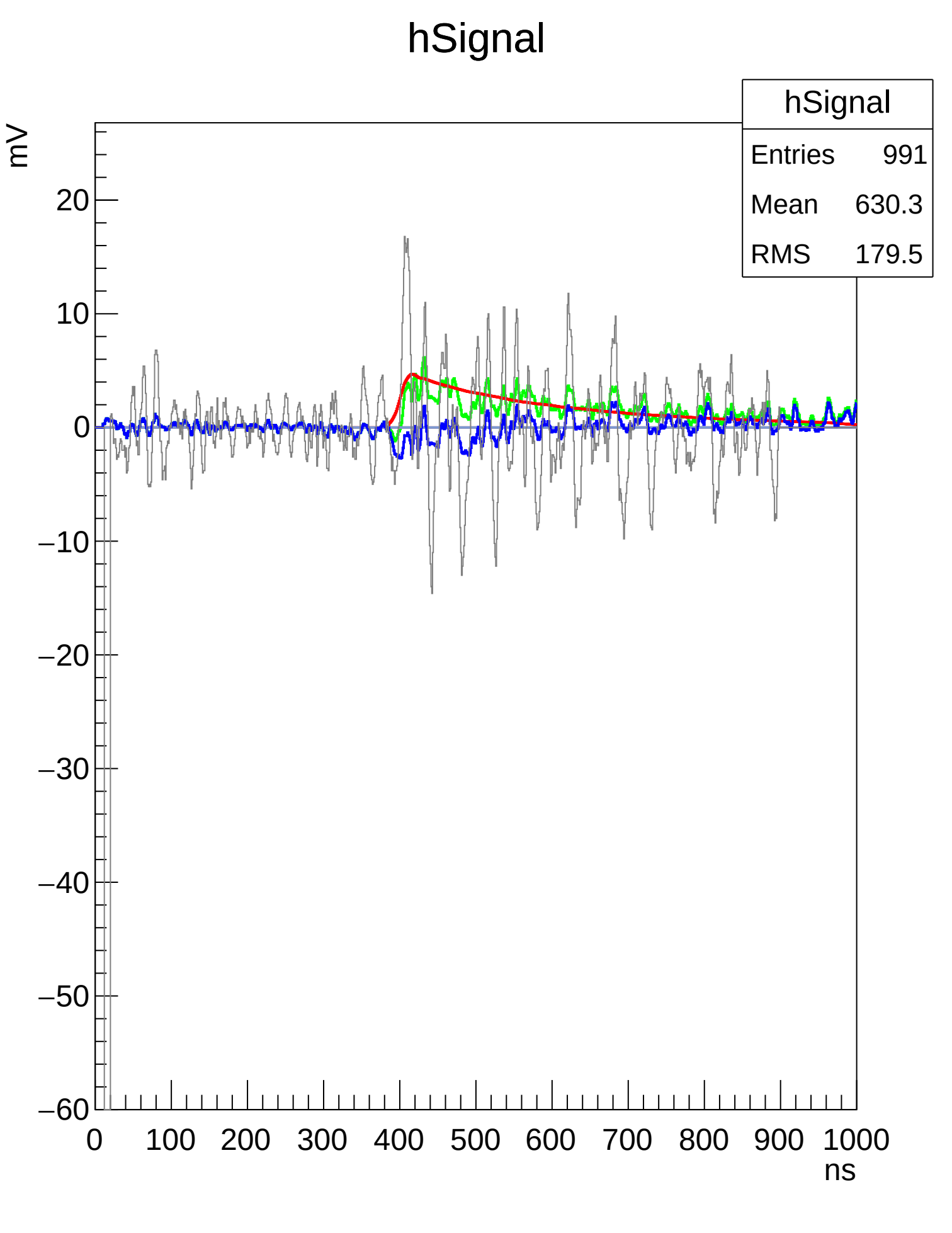
1000
ns


hSignal
hSignal
Entries 991
Mean 630.3
RMS 179.5
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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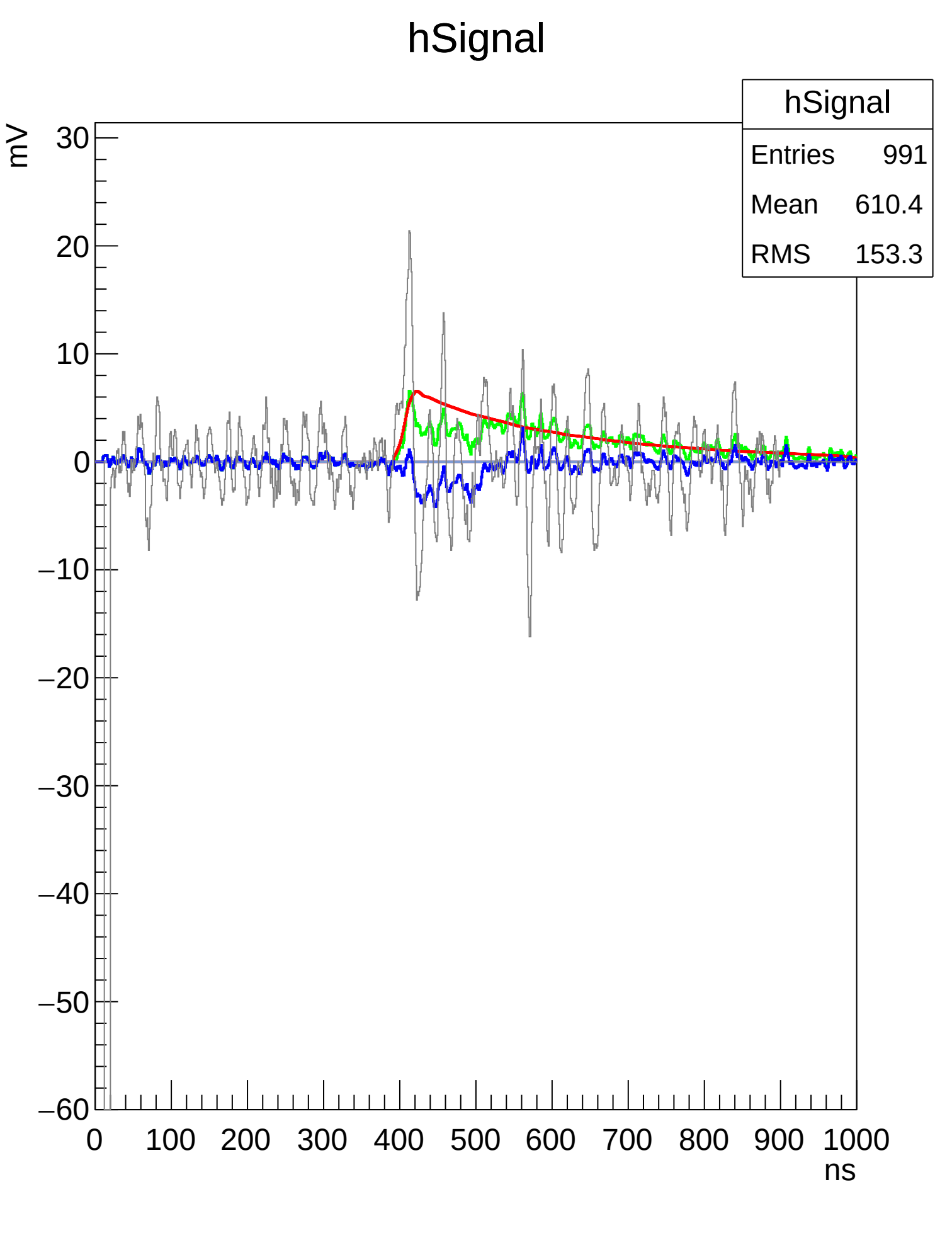
1000
ns


hSignal
hSignal
Entries 991
Mean 610.4
RMS 153.3
mV
30
20
10
0
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−40
−50
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0
100
200
300
400
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1000
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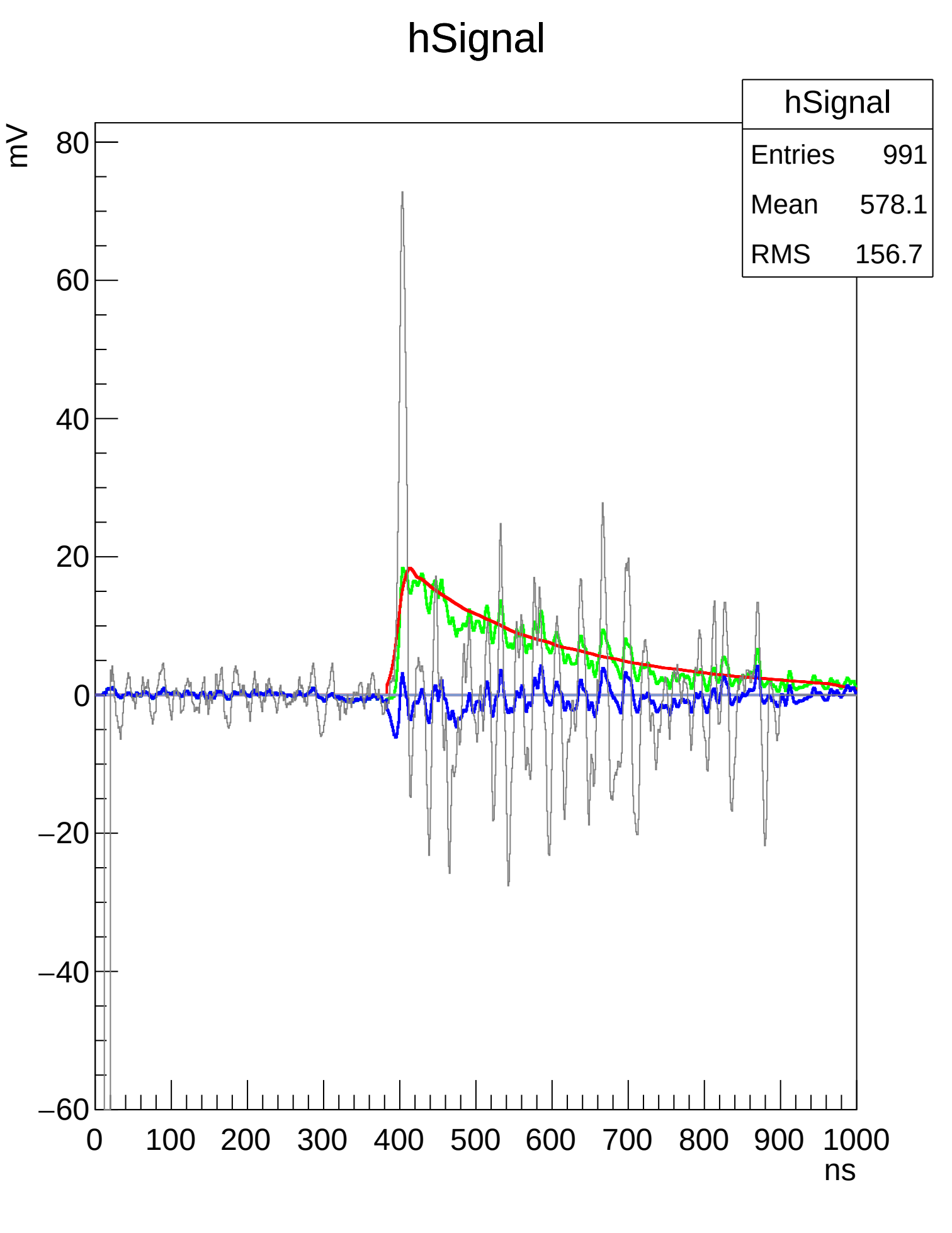
hSignal
hSignal
Entries 991
Mean 578.1
RMS 156.7
mV
80
60
40
20
0
−20
−40
−60
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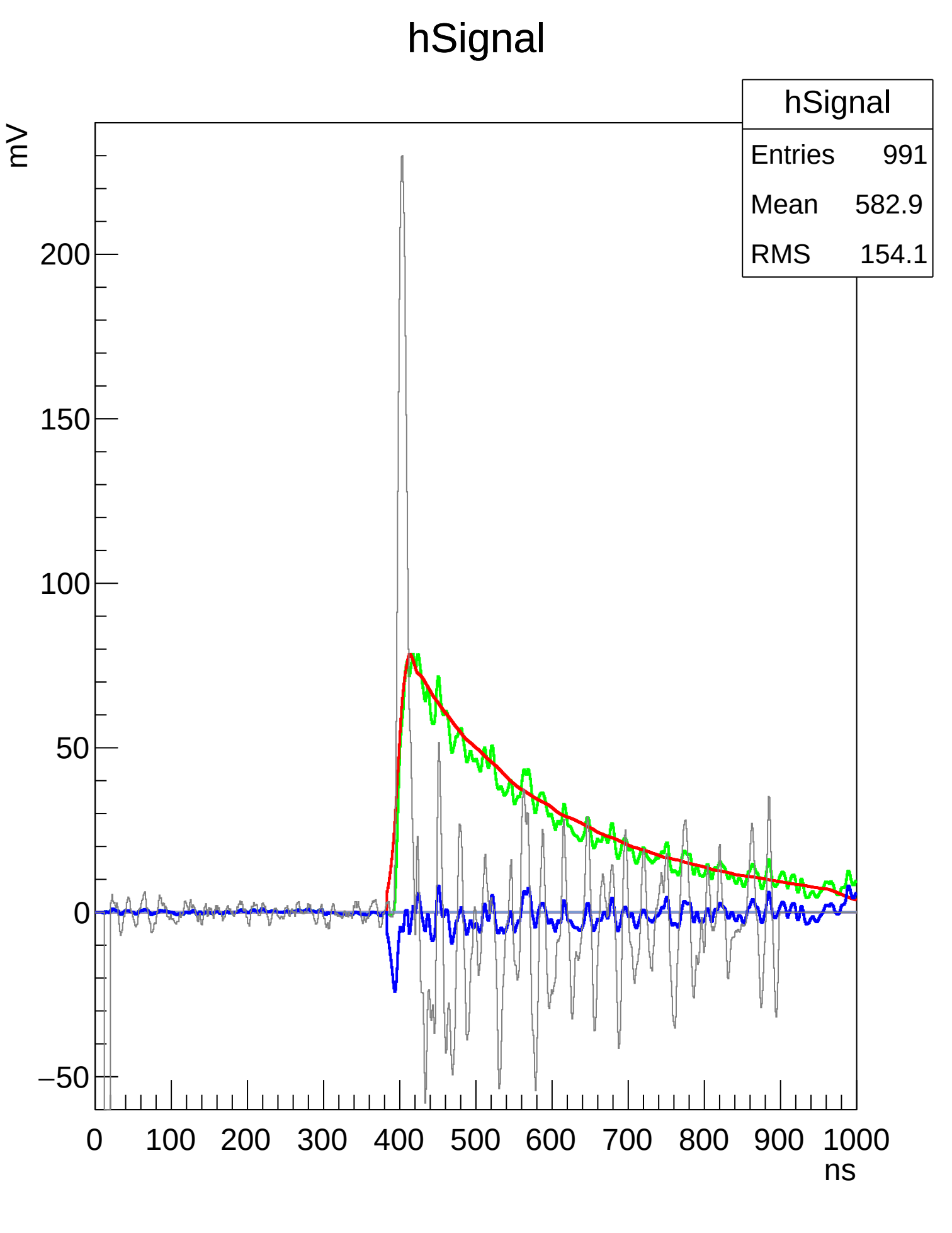
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.9
RMS 154.1
mV
200
150
100
50
0
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0
100
200
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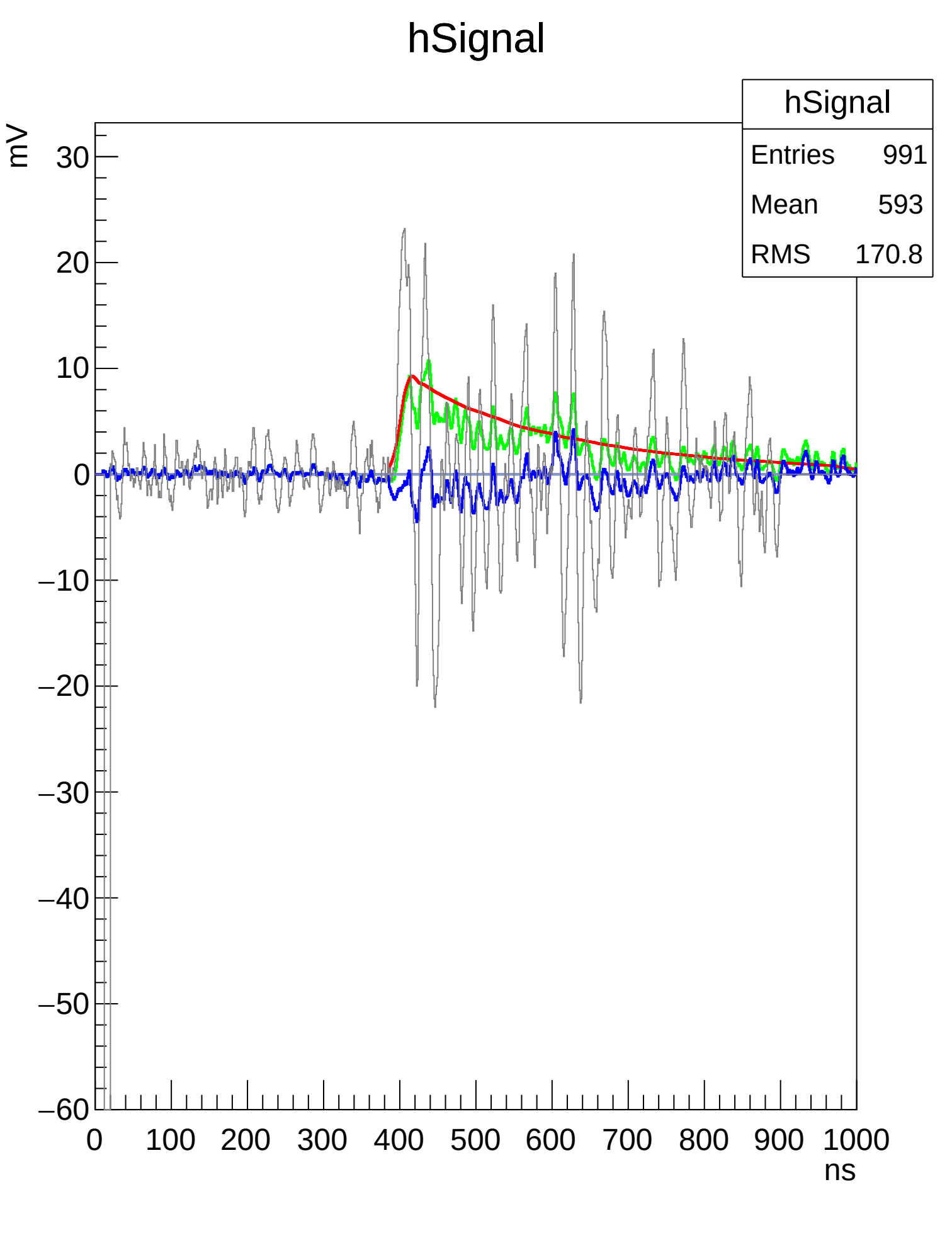
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593
RMS 170.8
mV
30
20
10
0
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−40
−50
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0
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200
300
400
500
600
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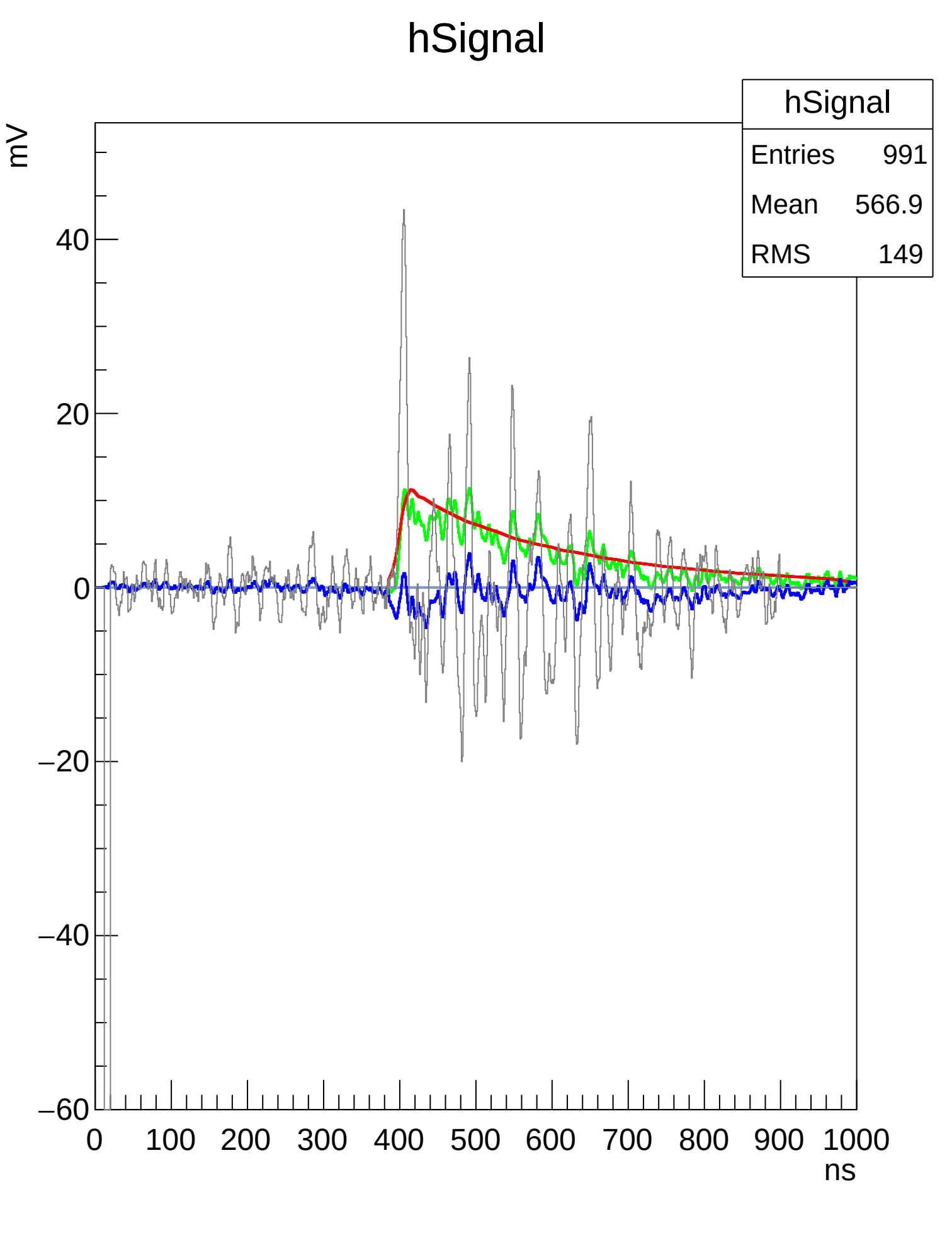
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 149
mV
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−20
−40
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0
100
200
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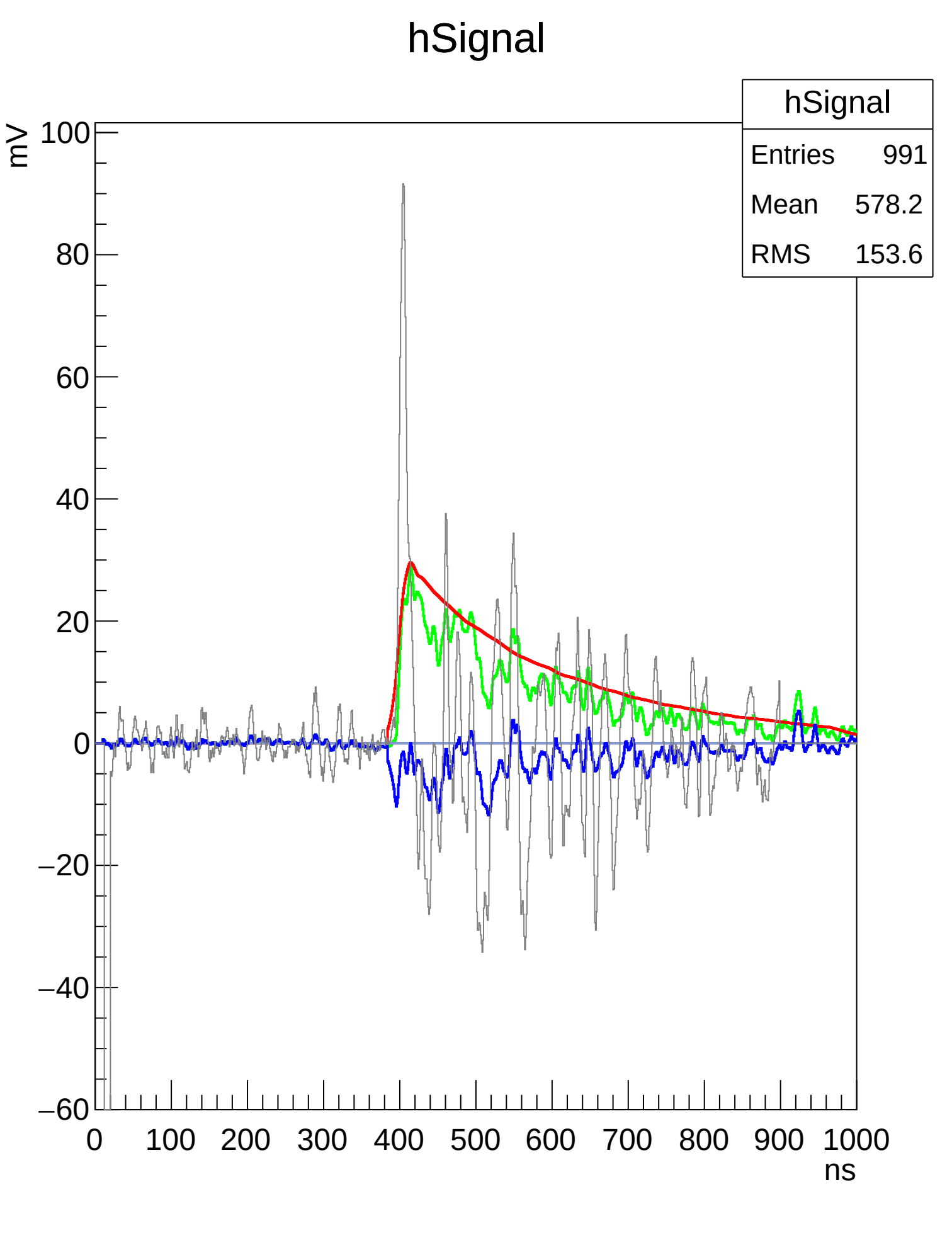
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.2
RMS 153.6
mV
100
80
60
40
20
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−20
−40
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0
100
200
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400
500
600
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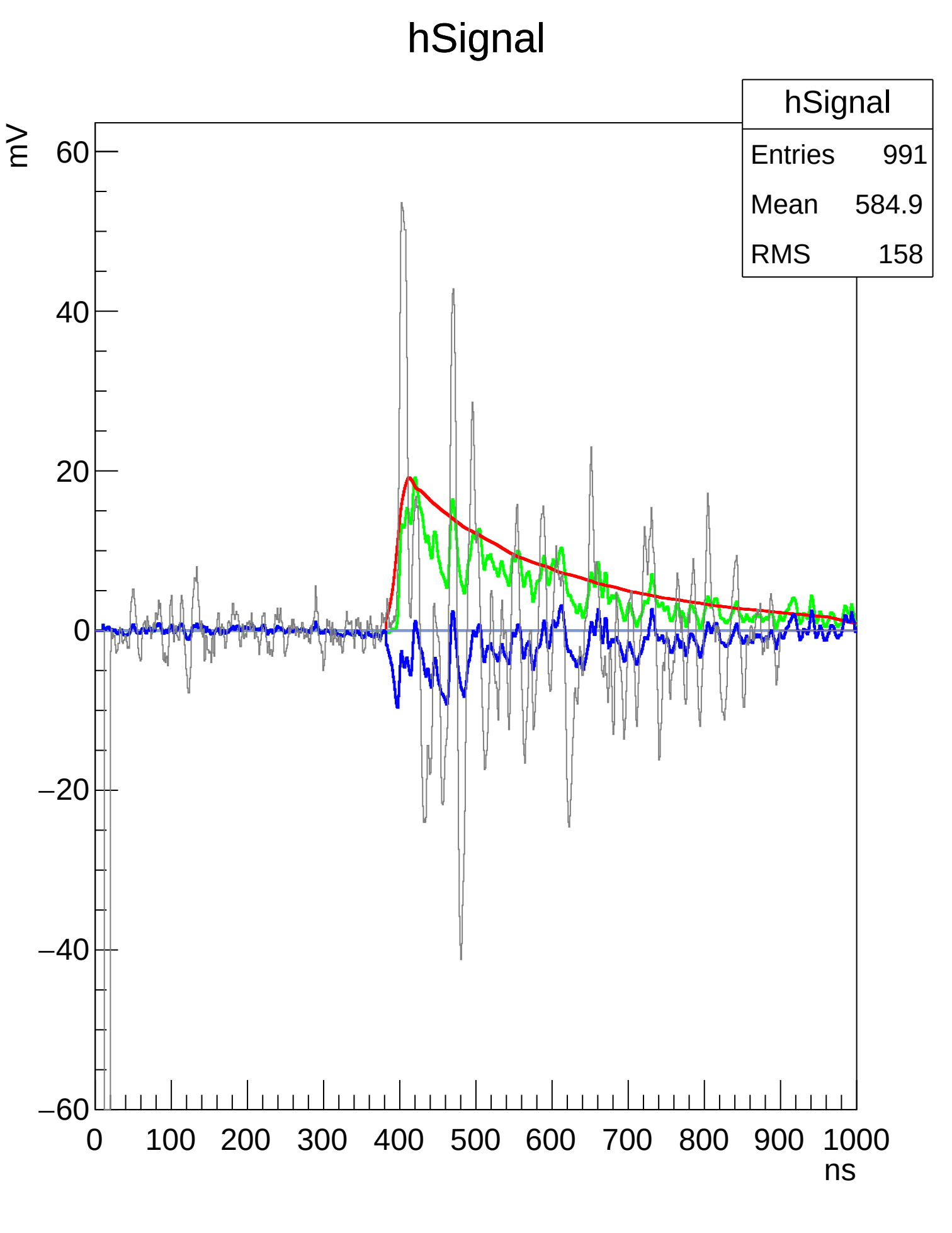
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.9
RMS 158
mV
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−20
−40
−60
0
100
200
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400
500
600
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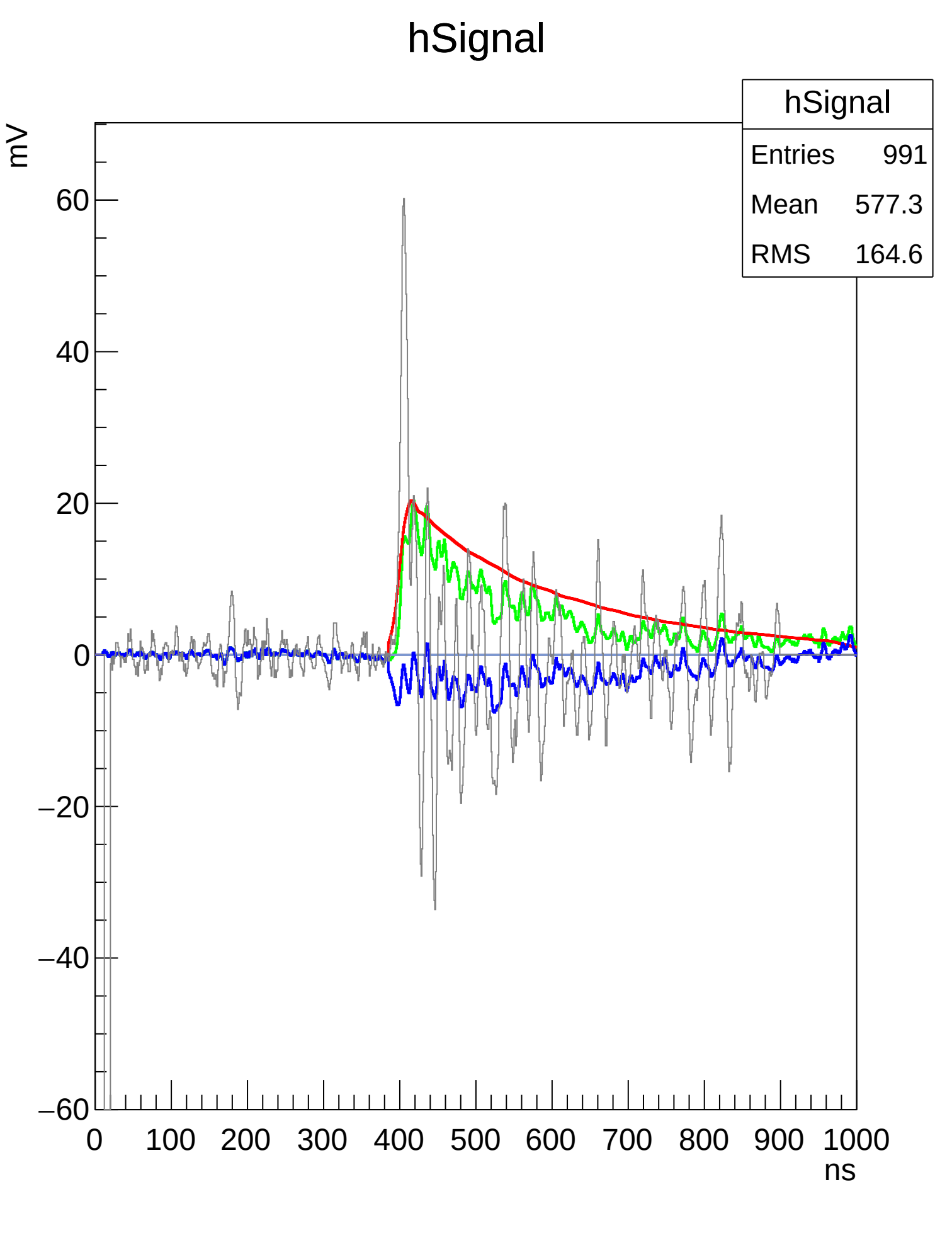
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.3
RMS 164.6
mV
60
40
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0
−20
−40
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0
100
200
300
400
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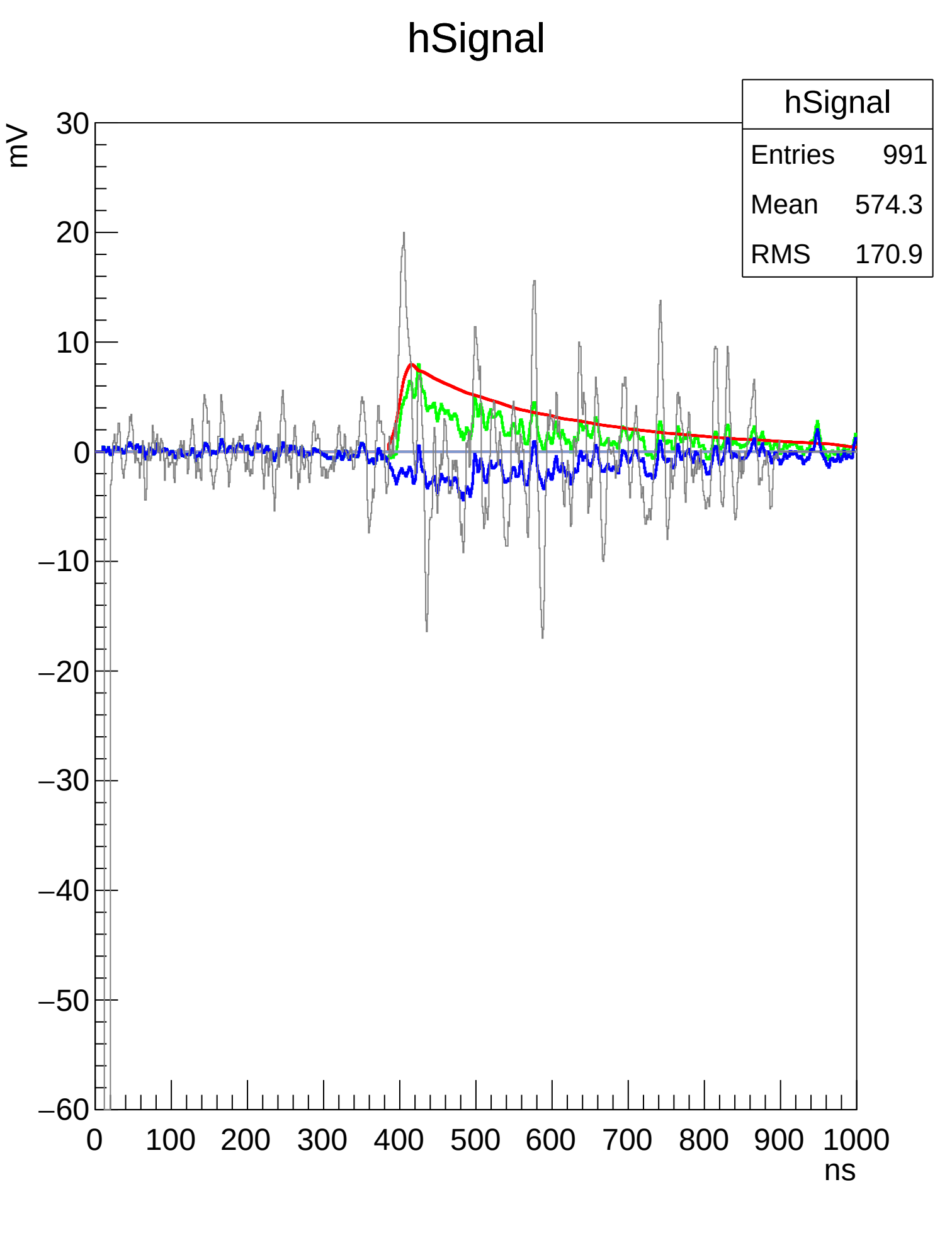
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 170.9
mV
30
20
10
0
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−50
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0
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200
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400
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800
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1000
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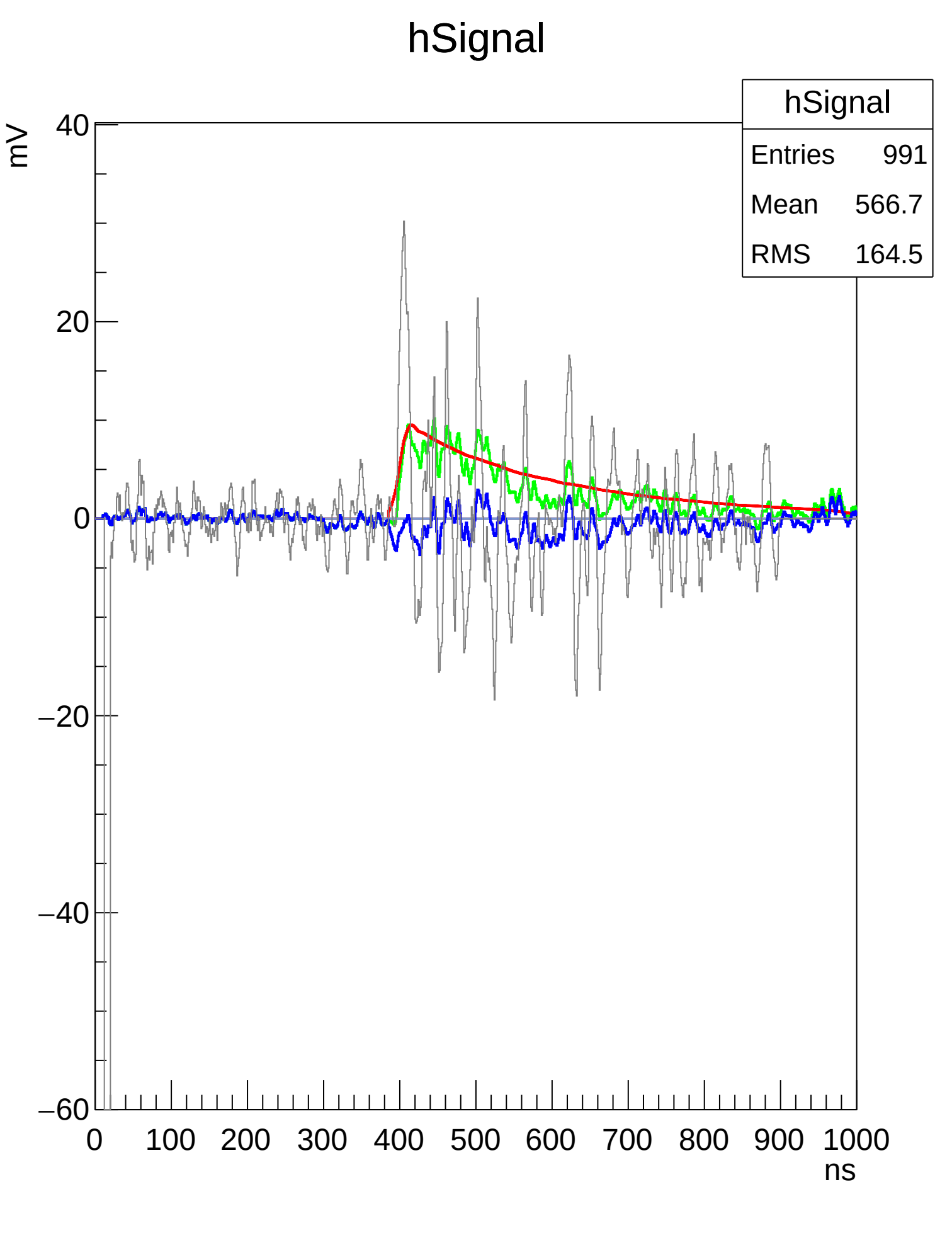
hSignal
hSignal
Entries 991
Mean 566.7
RMS 164.5
mV
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−20
−40
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0
100
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600
700
800
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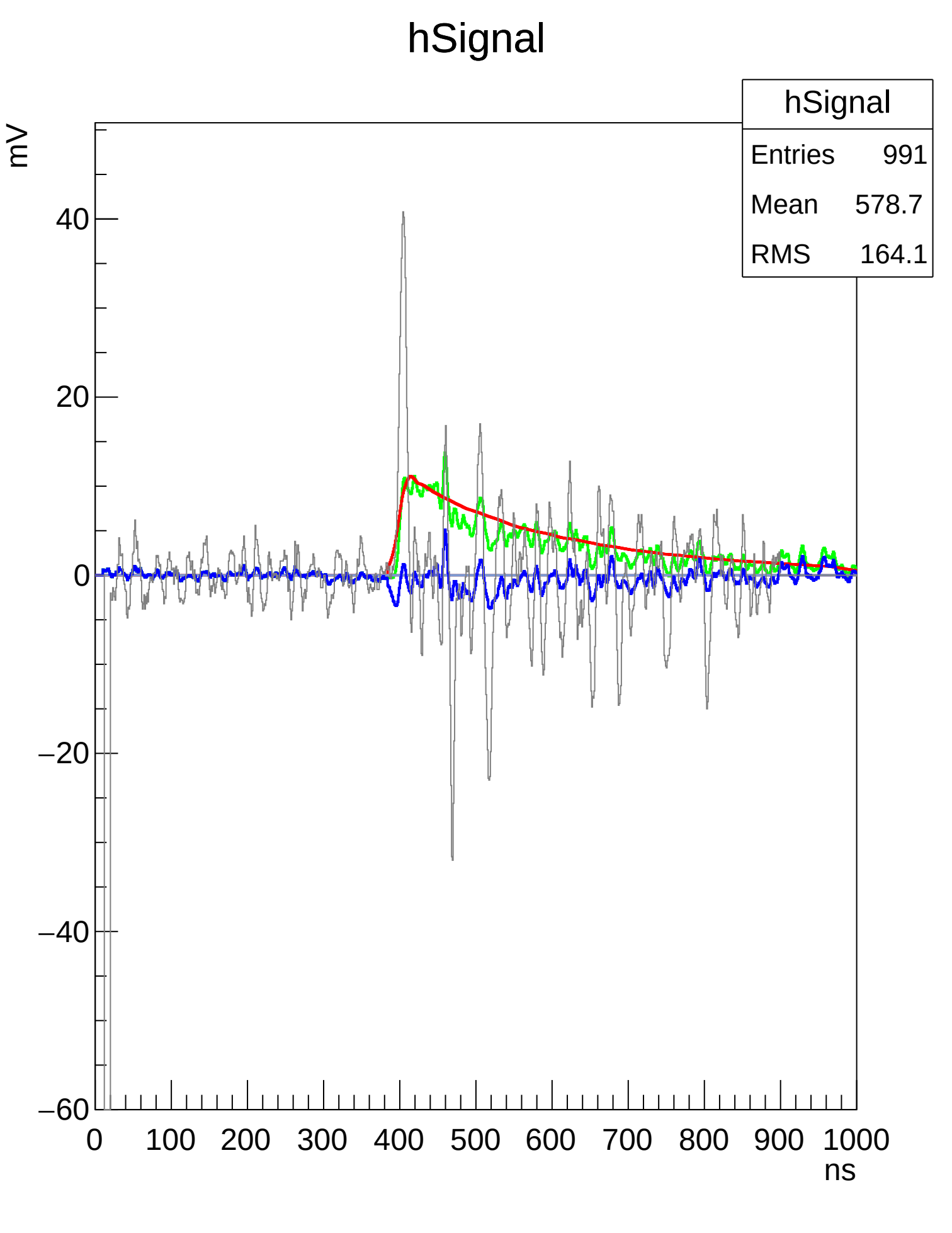
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 164.1
mV
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−20
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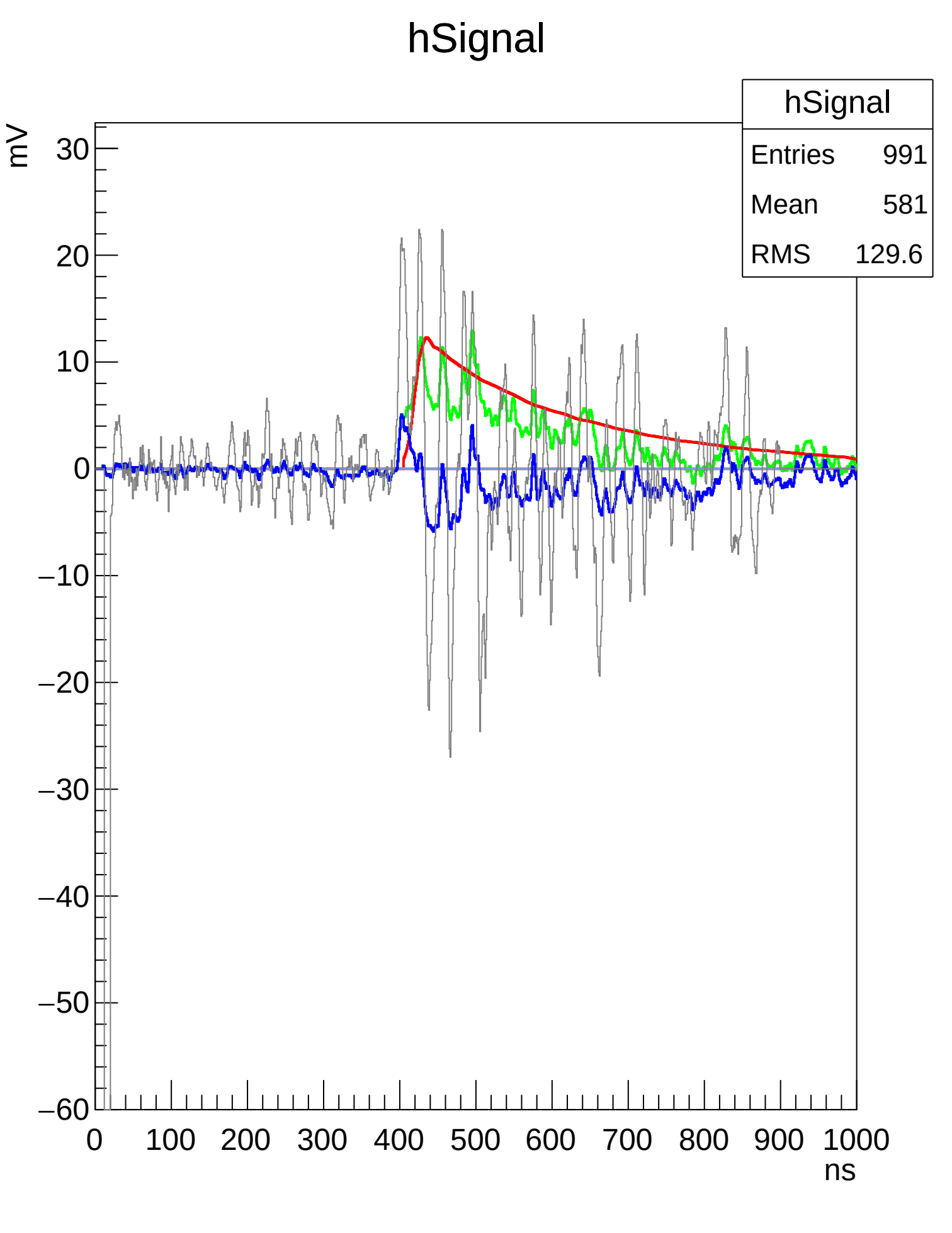
hSignal
hSignal
Entries 991
Mean 581
RMS 129.6
mV
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10
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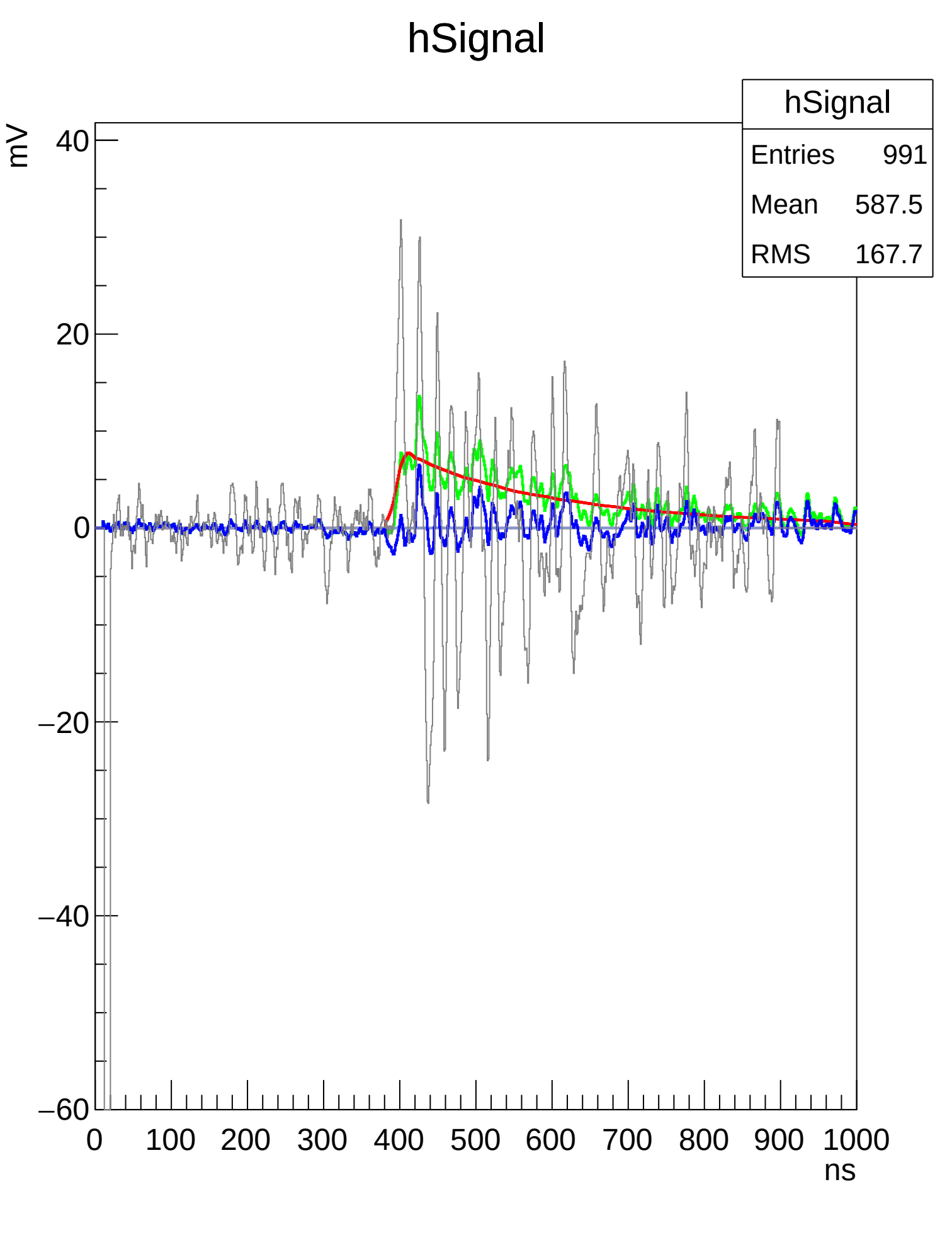
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 167.7
mV
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0
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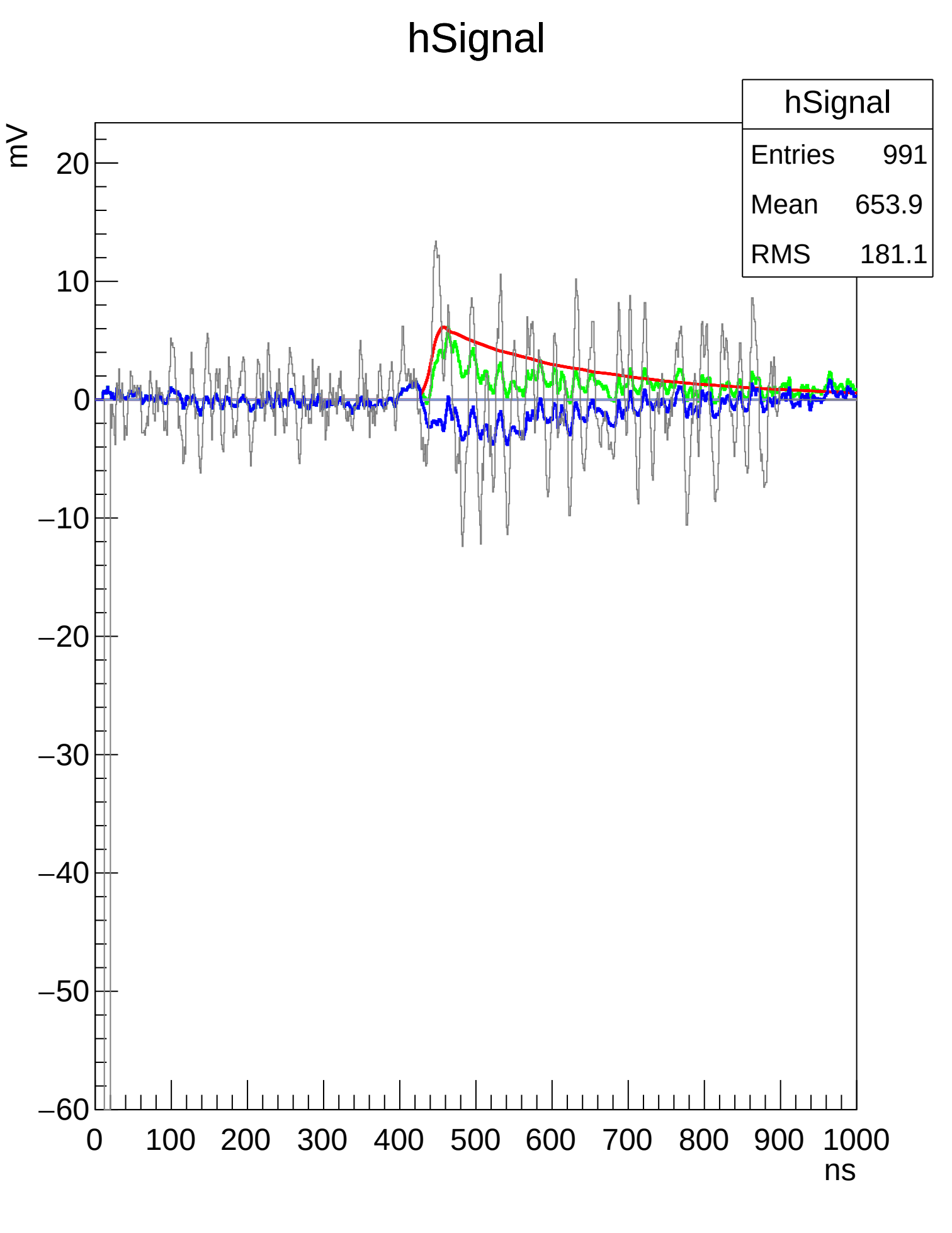
hSignal
hSignal
Entries 991
Mean 653.9
RMS 181.1
mV
20
10
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400
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800
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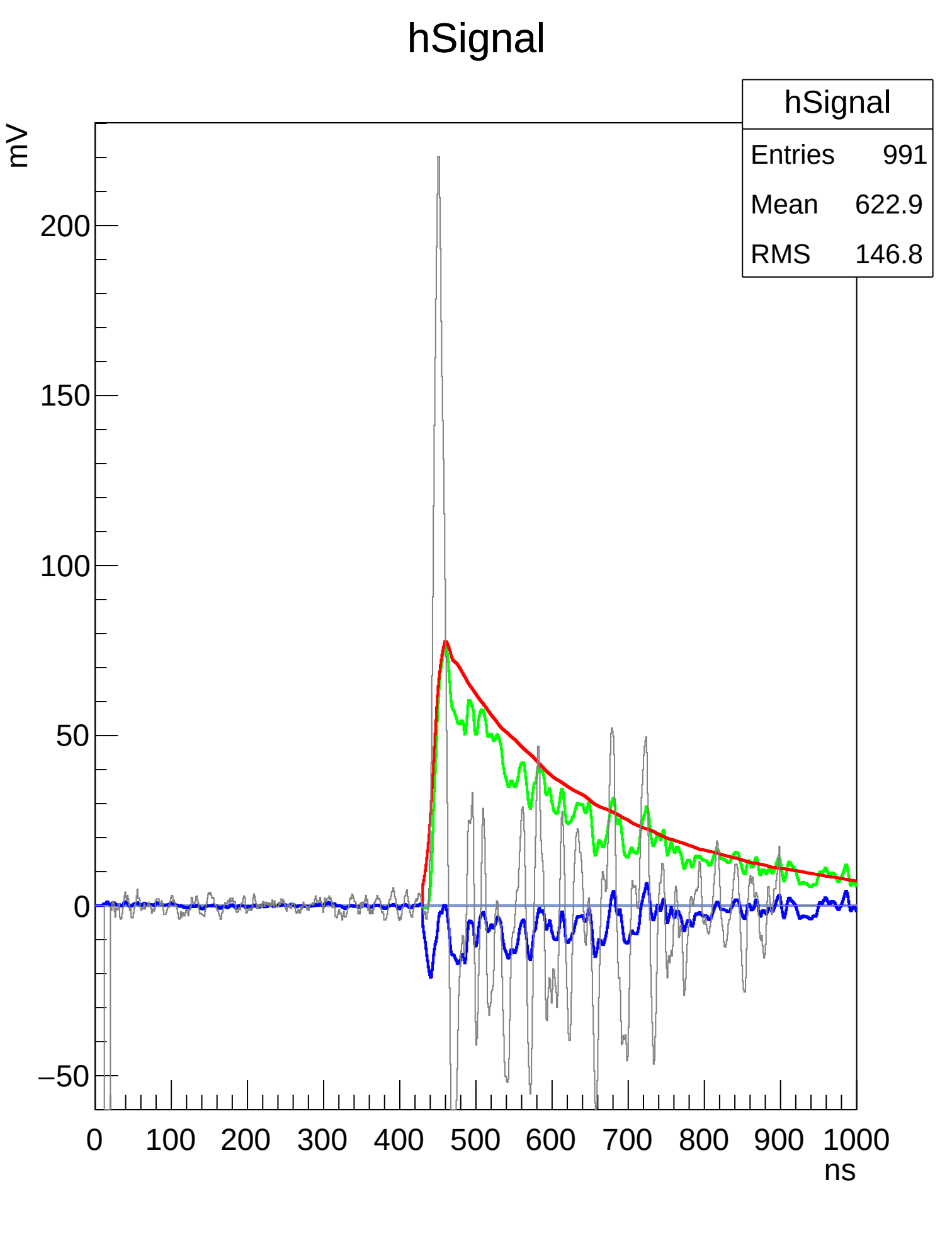
1000
ns


hSignal
hSignal
Entries 991
Mean 622.9
RMS 146.8
mV
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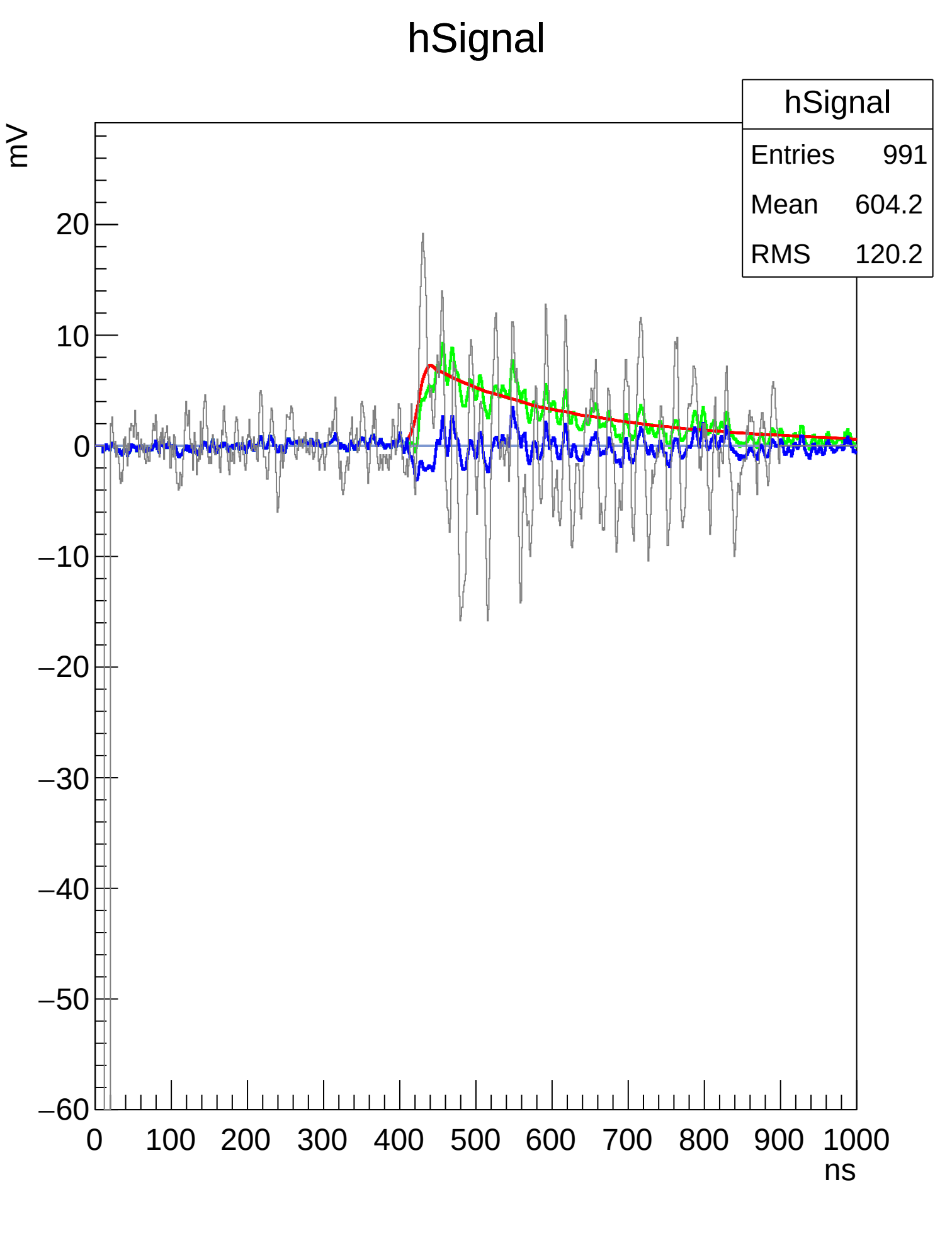
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.2
RMS 120.2
mV
20
10
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0
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400
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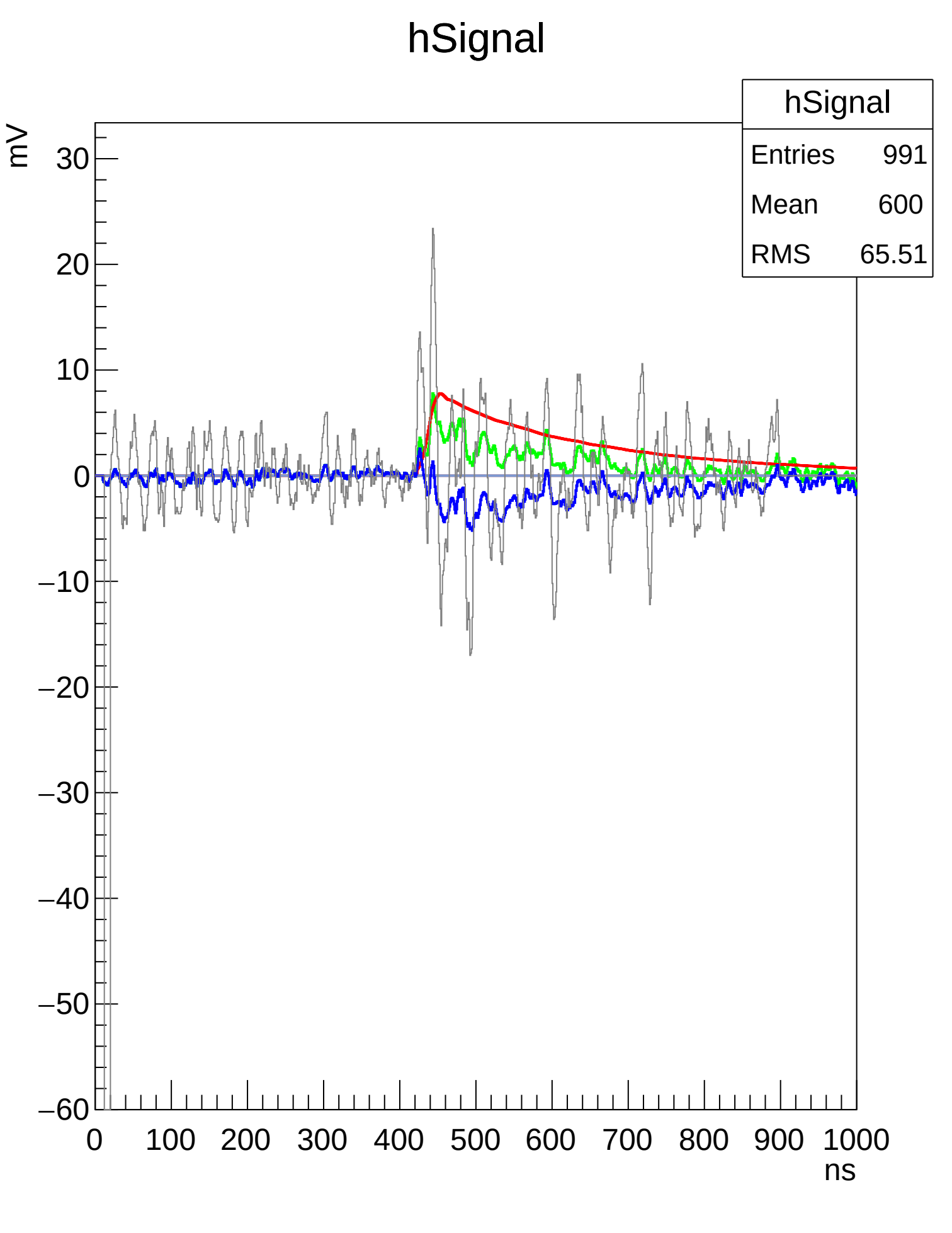
1000
ns


hSignal
hSignal
Entries 991
Mean 600
RMS 65.51
mV
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20
10
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−50
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800
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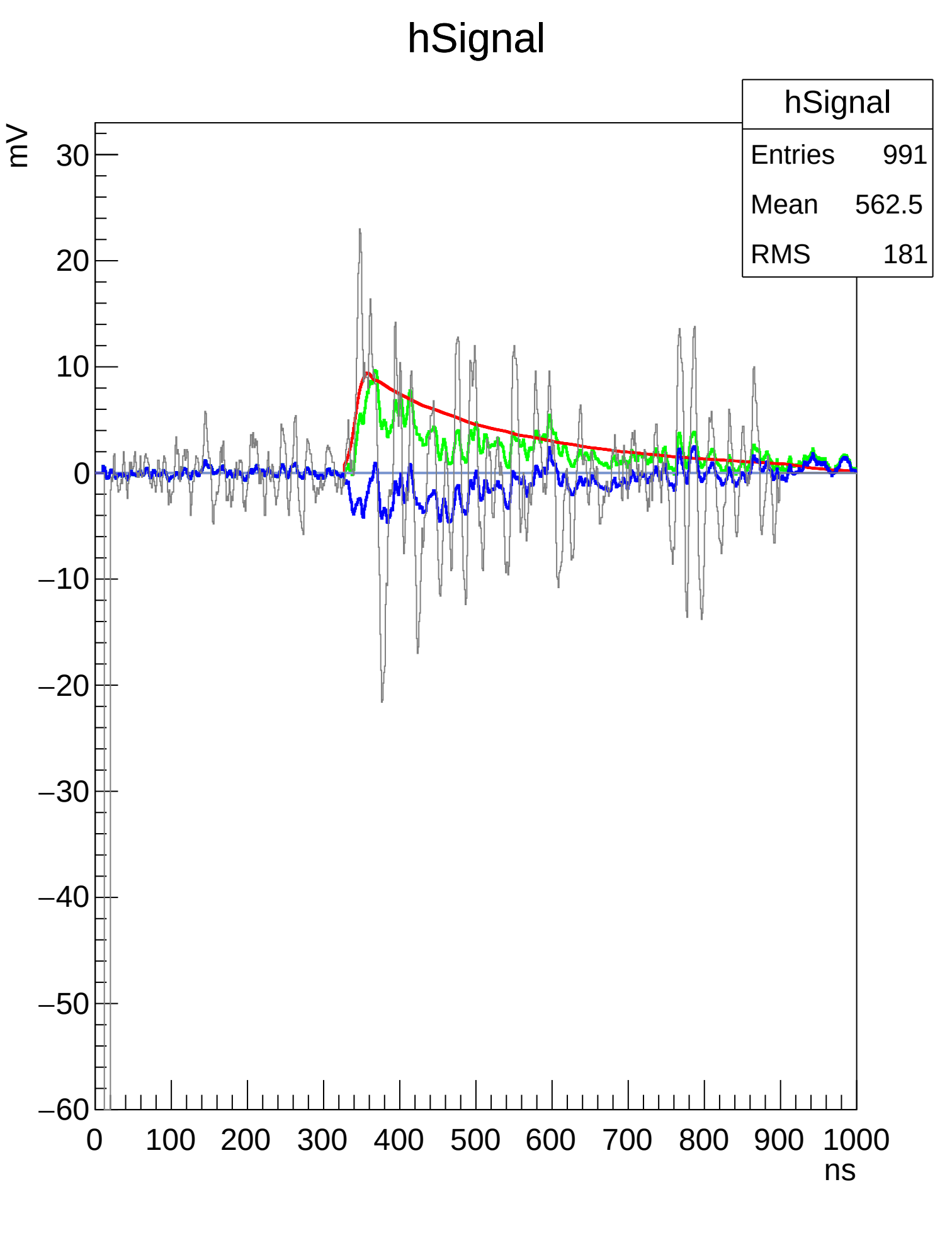
1000
ns


hSignal
hSignal
Entries 991
Mean 562.5
RMS 181
mV
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20
10
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800
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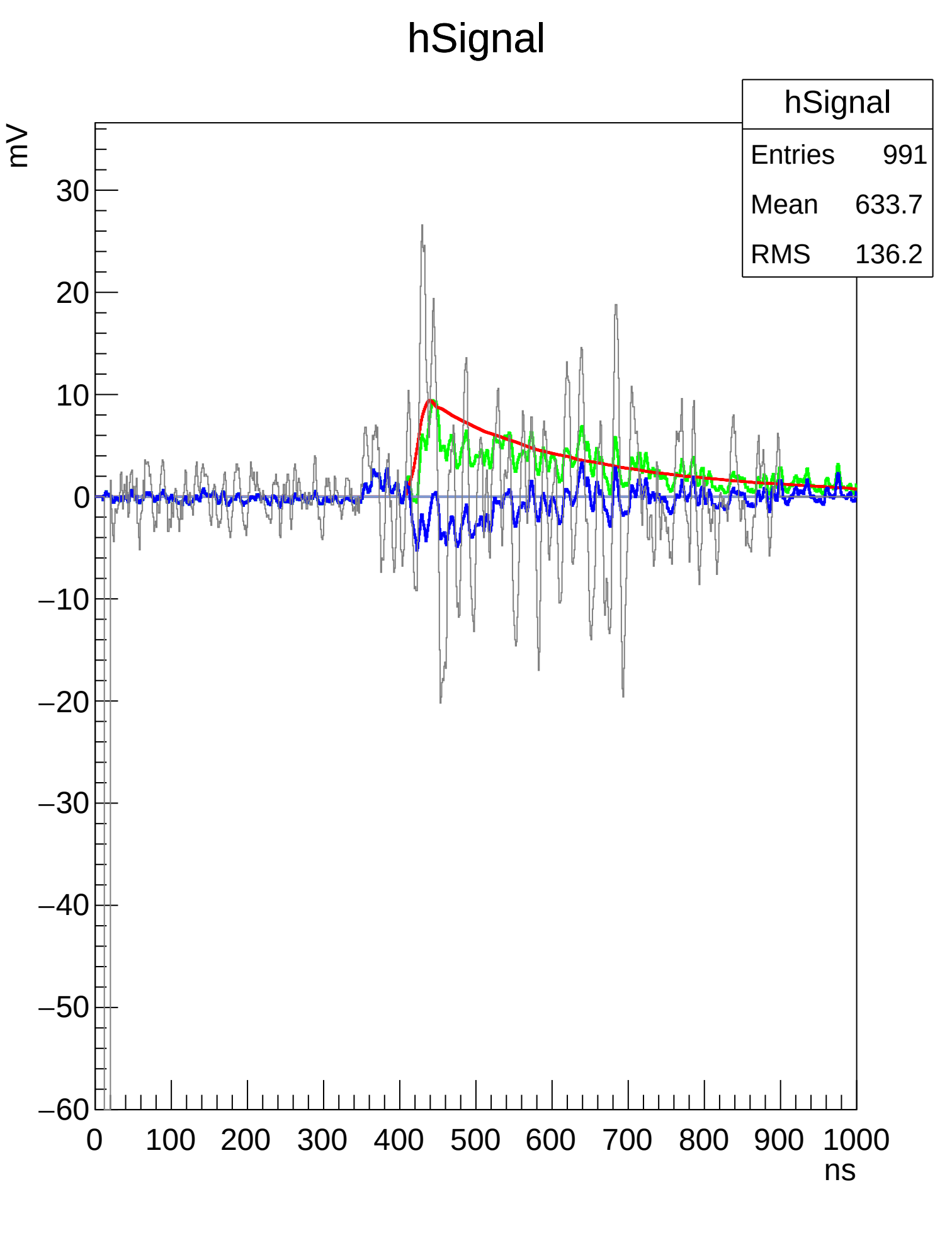
1000
ns


hSignal
hSignal
Entries 991
Mean 633.7
RMS 136.2
mV
30
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10
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0
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400
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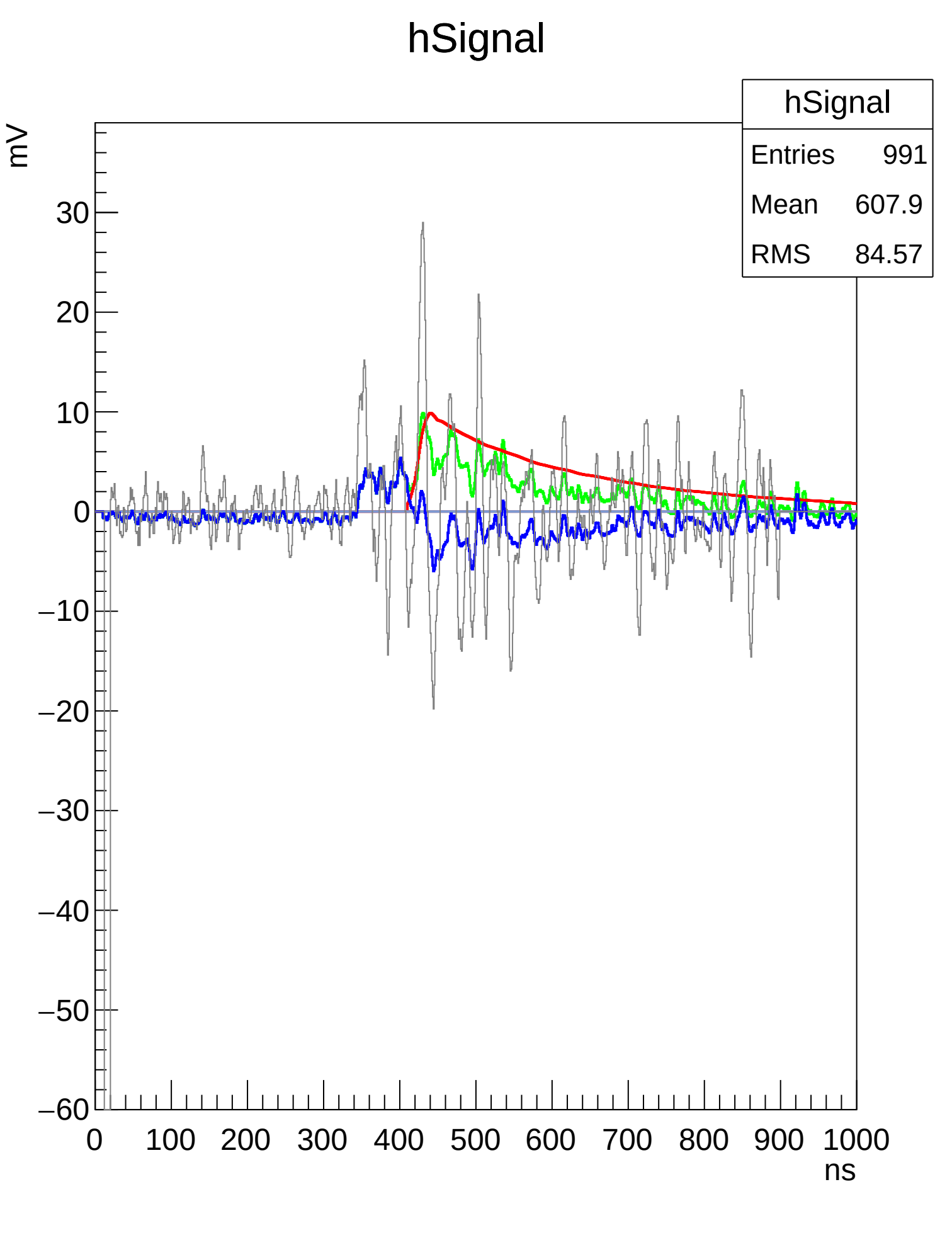
1000
ns


hSignal
hSignal
Entries 991
Mean 607.9
RMS 84.57
mV
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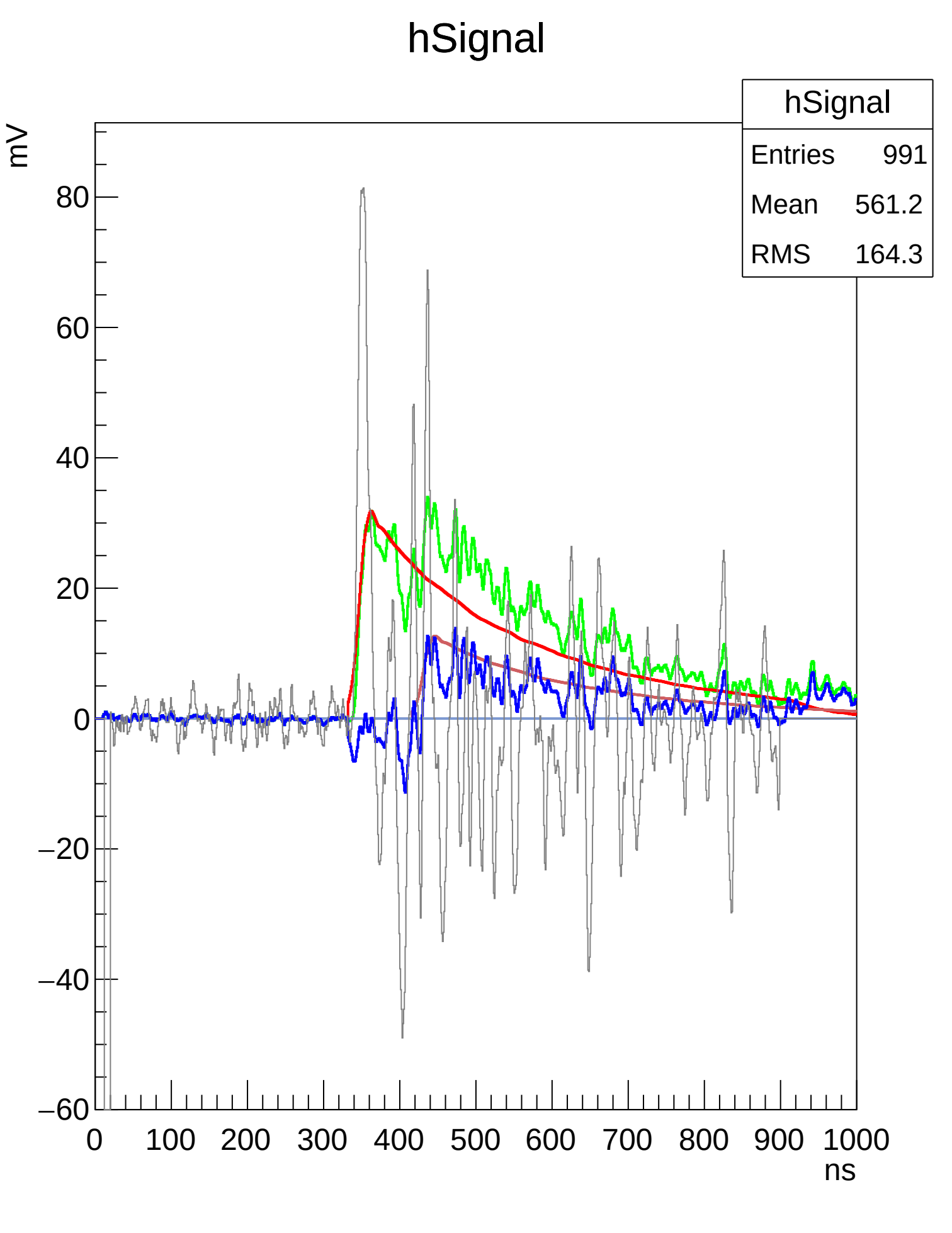
1000
ns


hSignal
hSignal
Entries 991
Mean 561.2
RMS 164.3
mV
80
60
40
20
0
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−60
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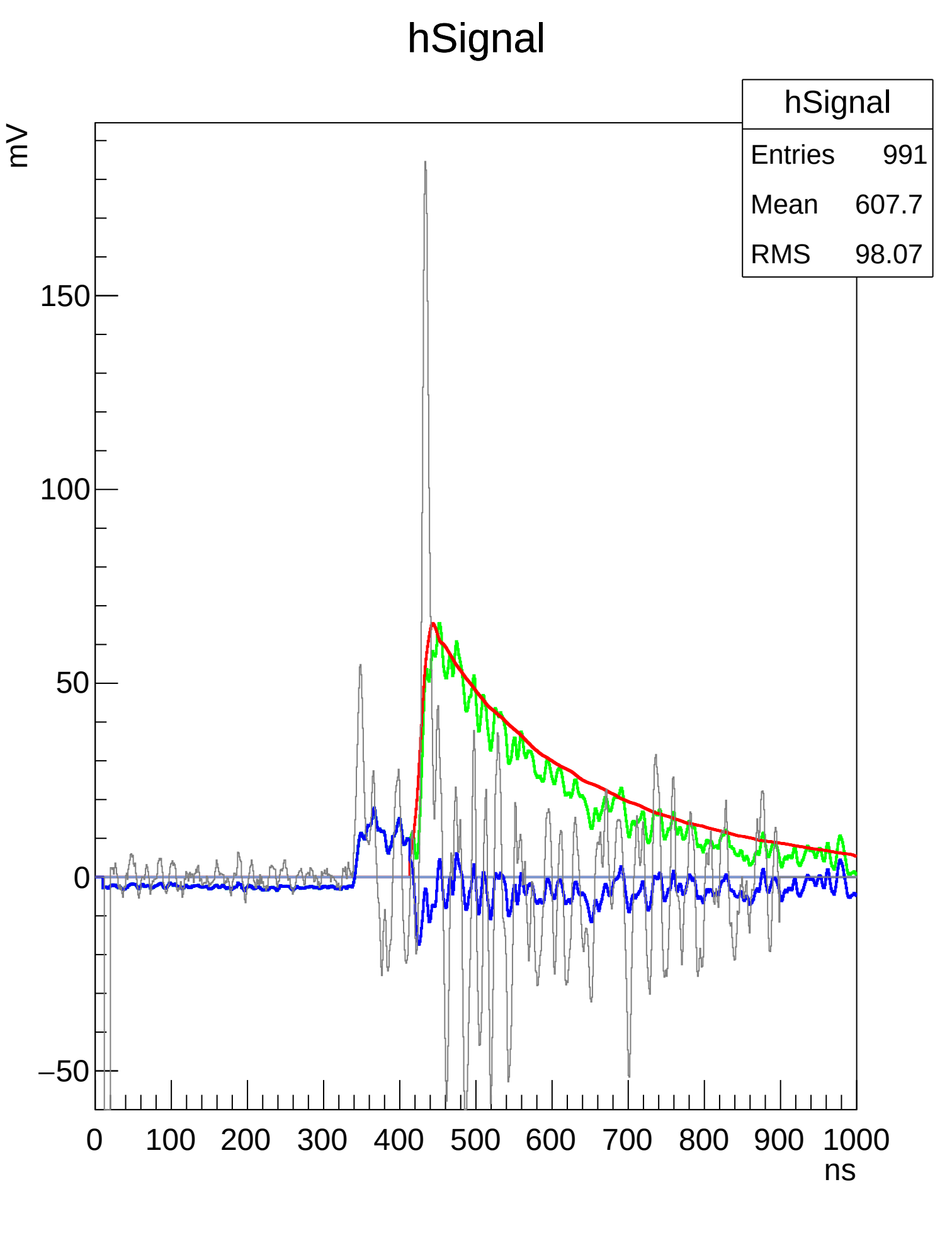
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.7
RMS 98.07
mV
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100
50
0
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0
100
200
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400
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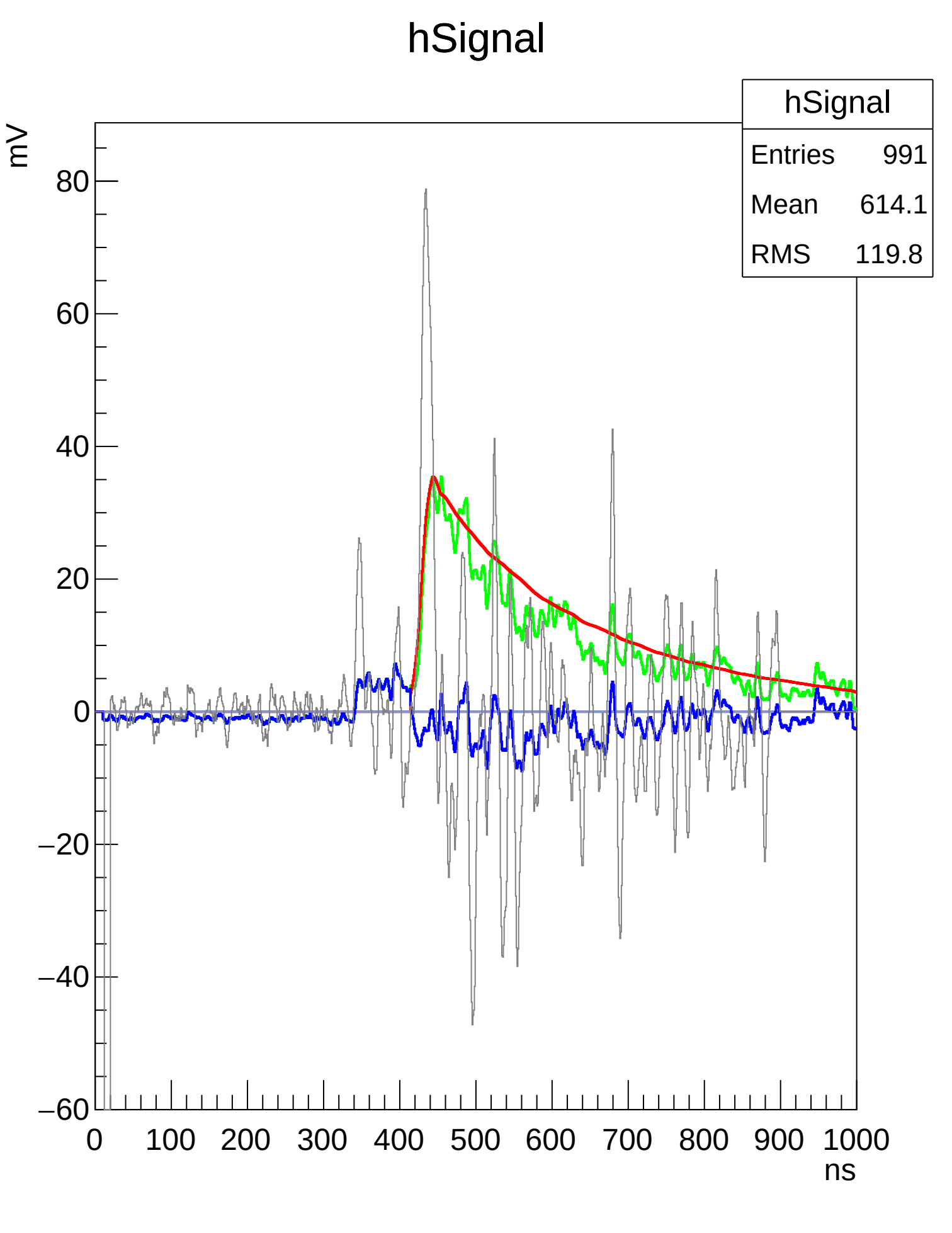
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.1
RMS 119.8
mV
80
60
40
20
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−20
−40
−60
0
100
200
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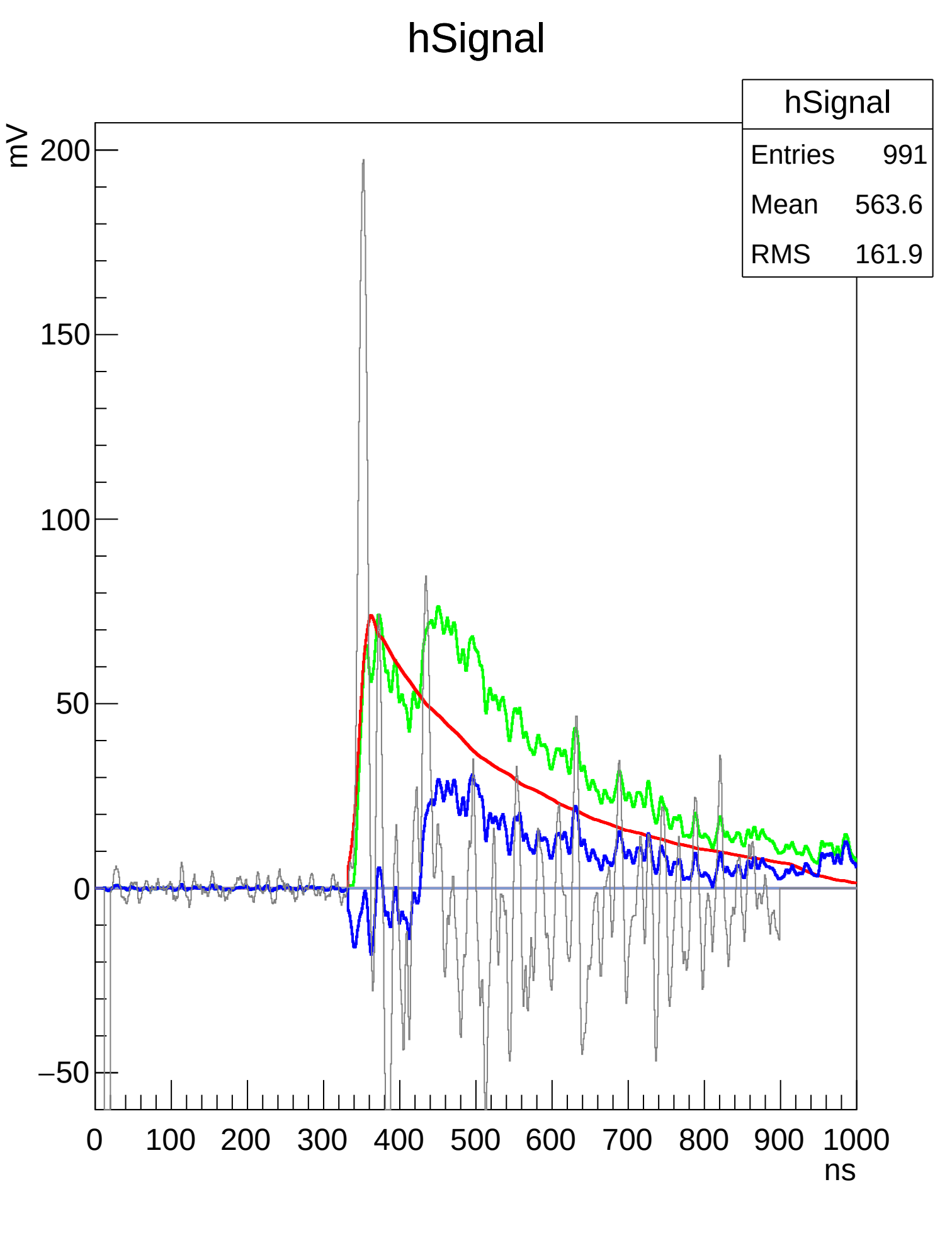
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.6
RMS 161.9
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100
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0
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0
100
200
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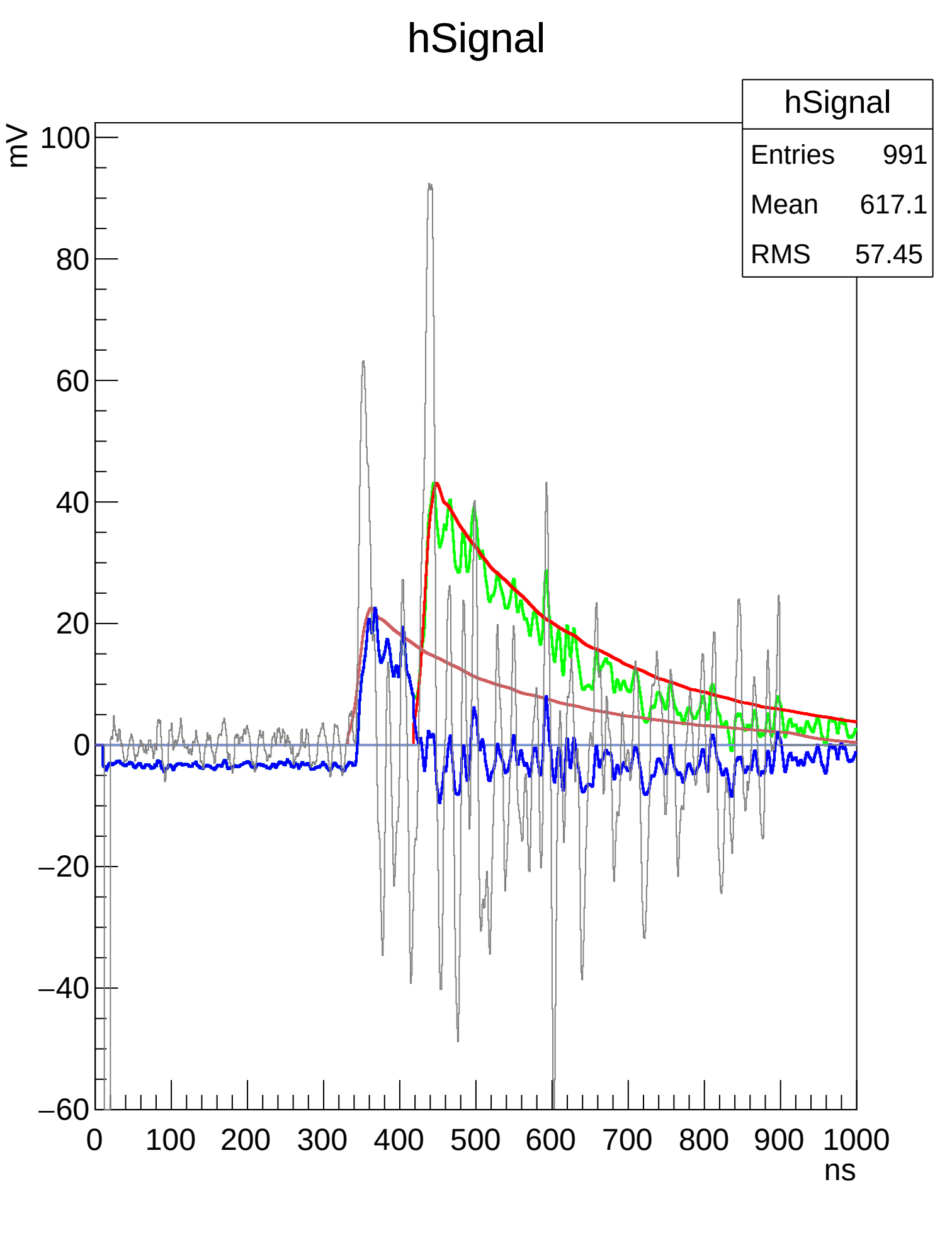
600
700
800
900
1000
ns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hSignal
Entries 991
Mean 617.1
RMS 57.45
mV
100
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0
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400
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800
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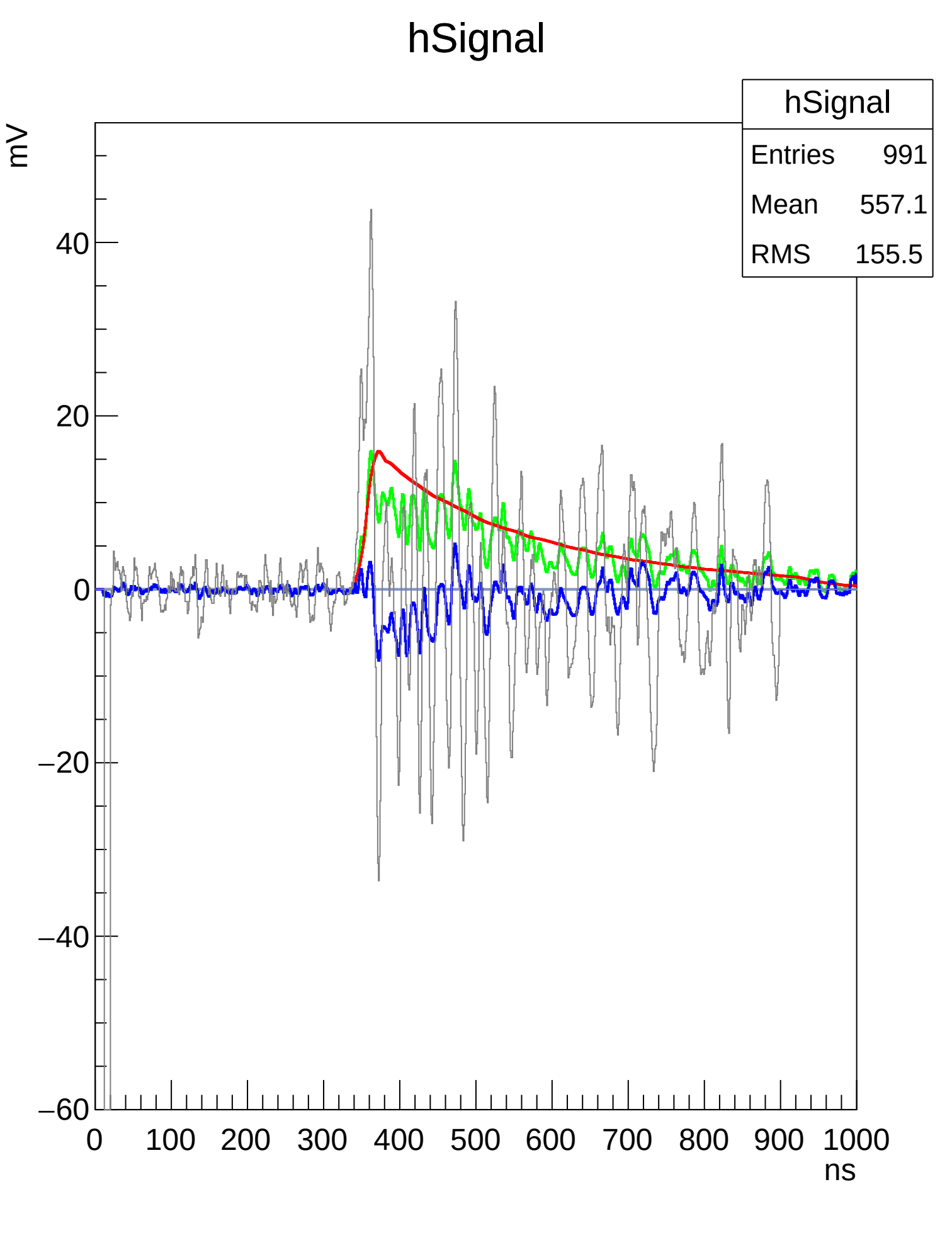
1000
ns


hSignal
hSignal
Entries 991
Mean 557.1
RMS 155.5
mV
40
20
0
−20
−40
−60
0
100
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400
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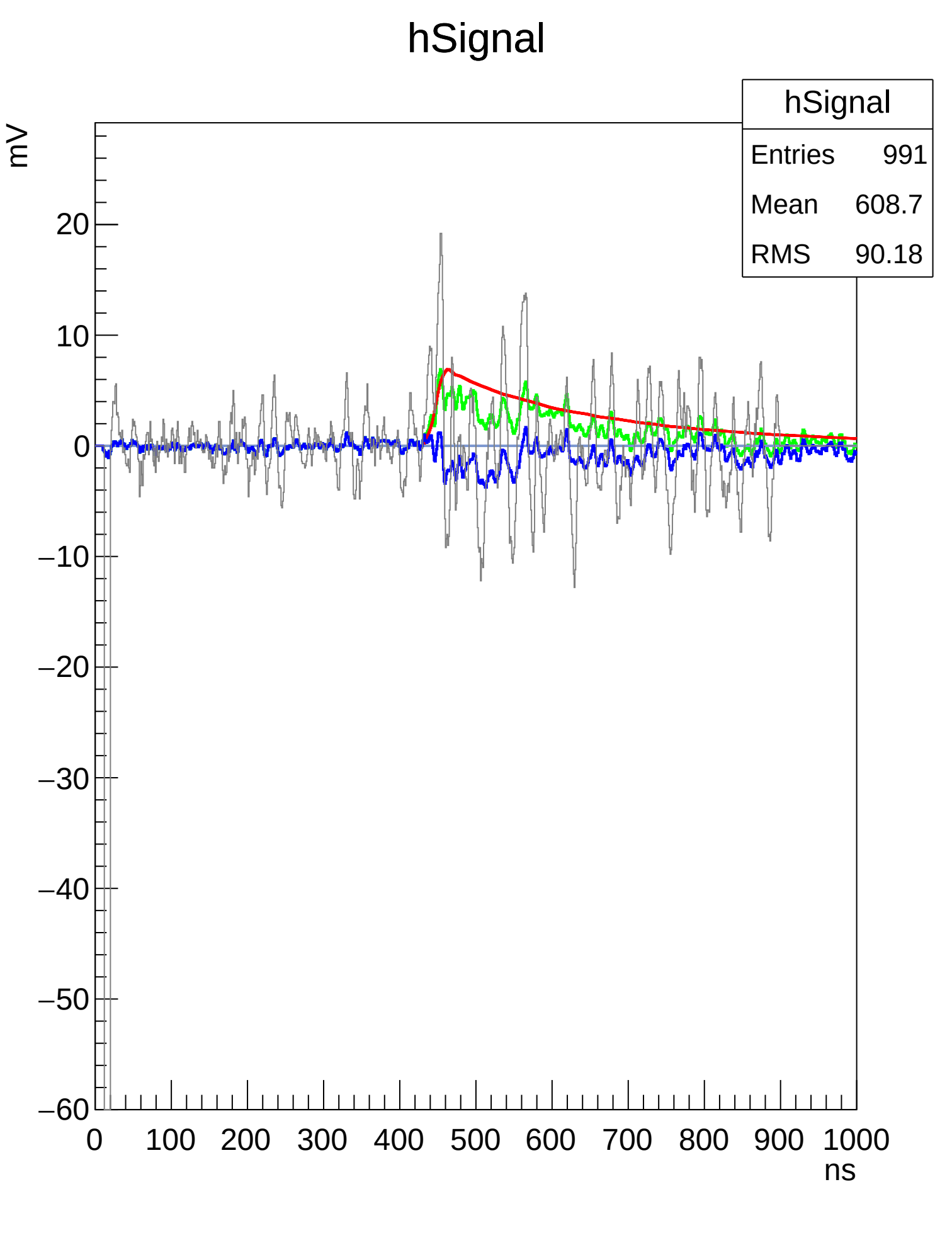
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.7
RMS 90.18
mV
20
10
0
−10
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−40
−50
−60
0
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400
500
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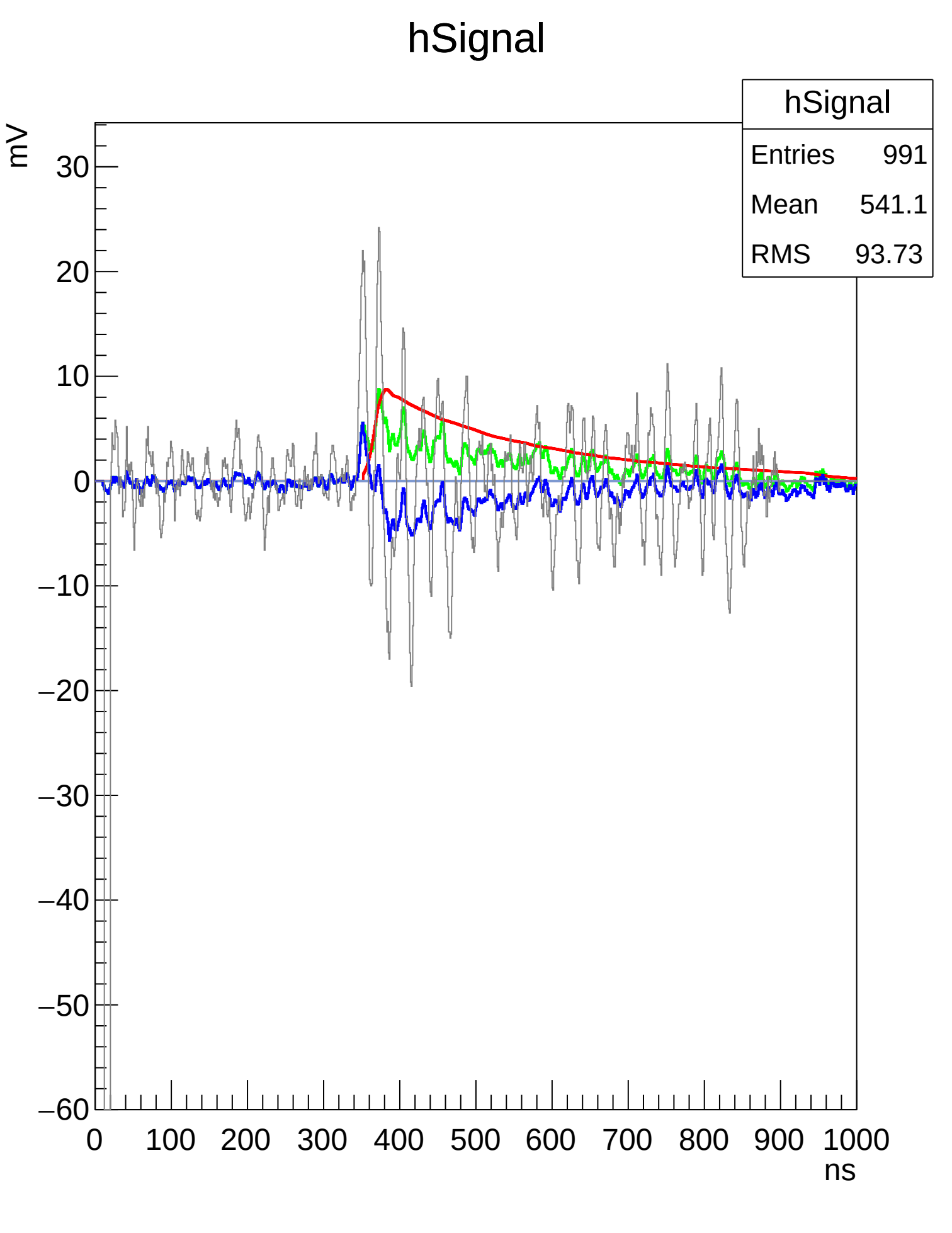
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.1
RMS 93.73
mV
30
20
10
0
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−50
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0
100
200
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400
500
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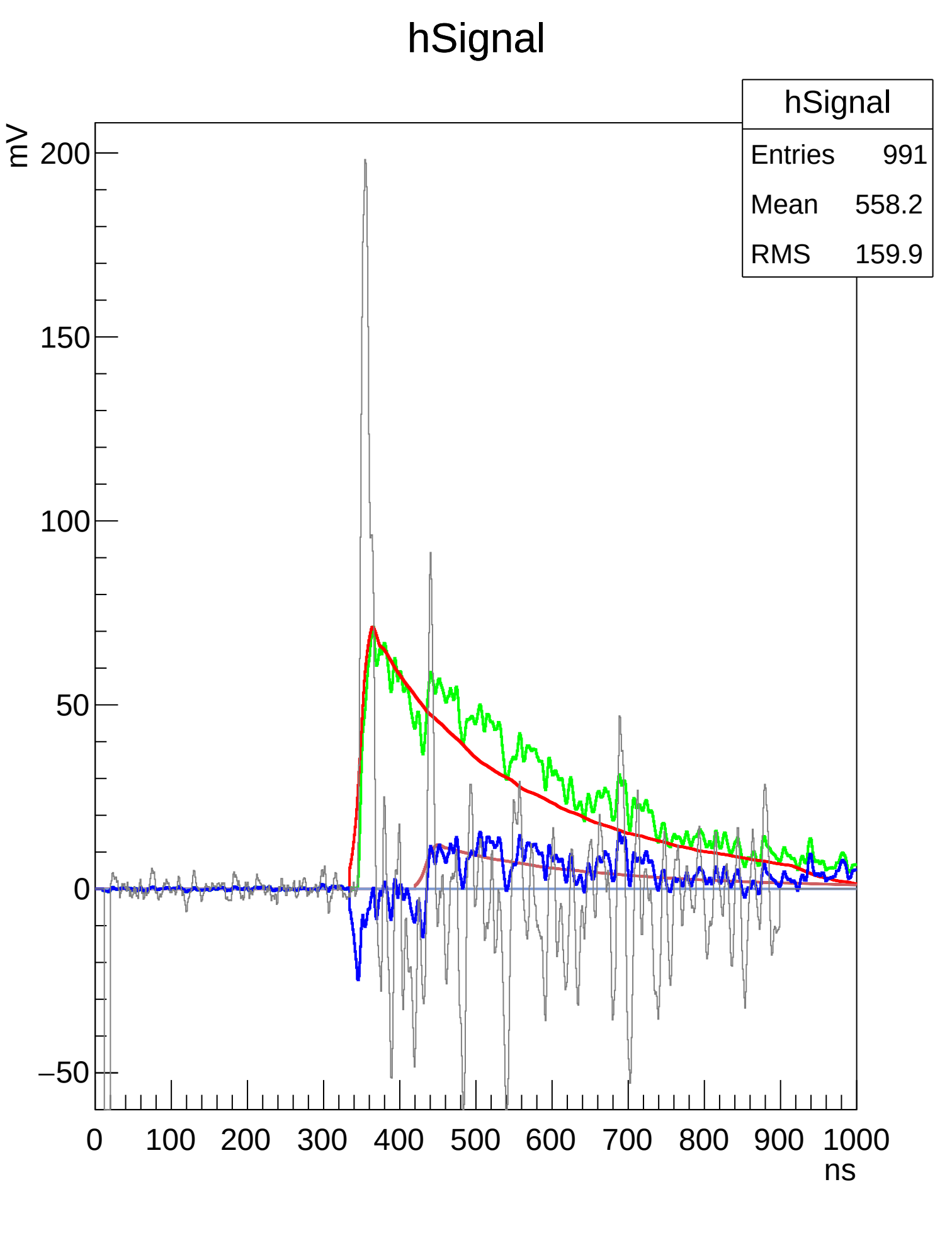
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.2
RMS 159.9
mV
200
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100
50
0
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0
100
200
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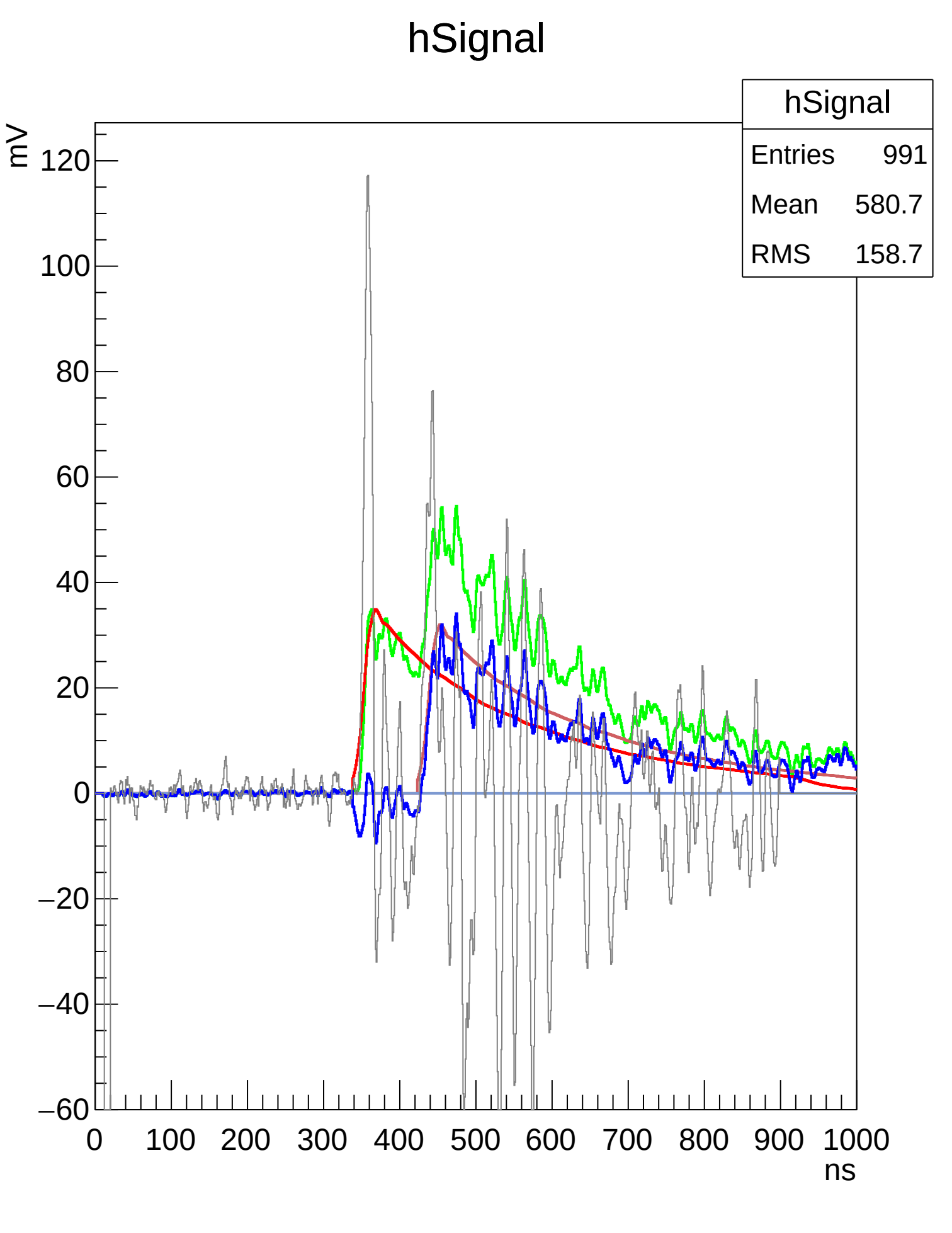
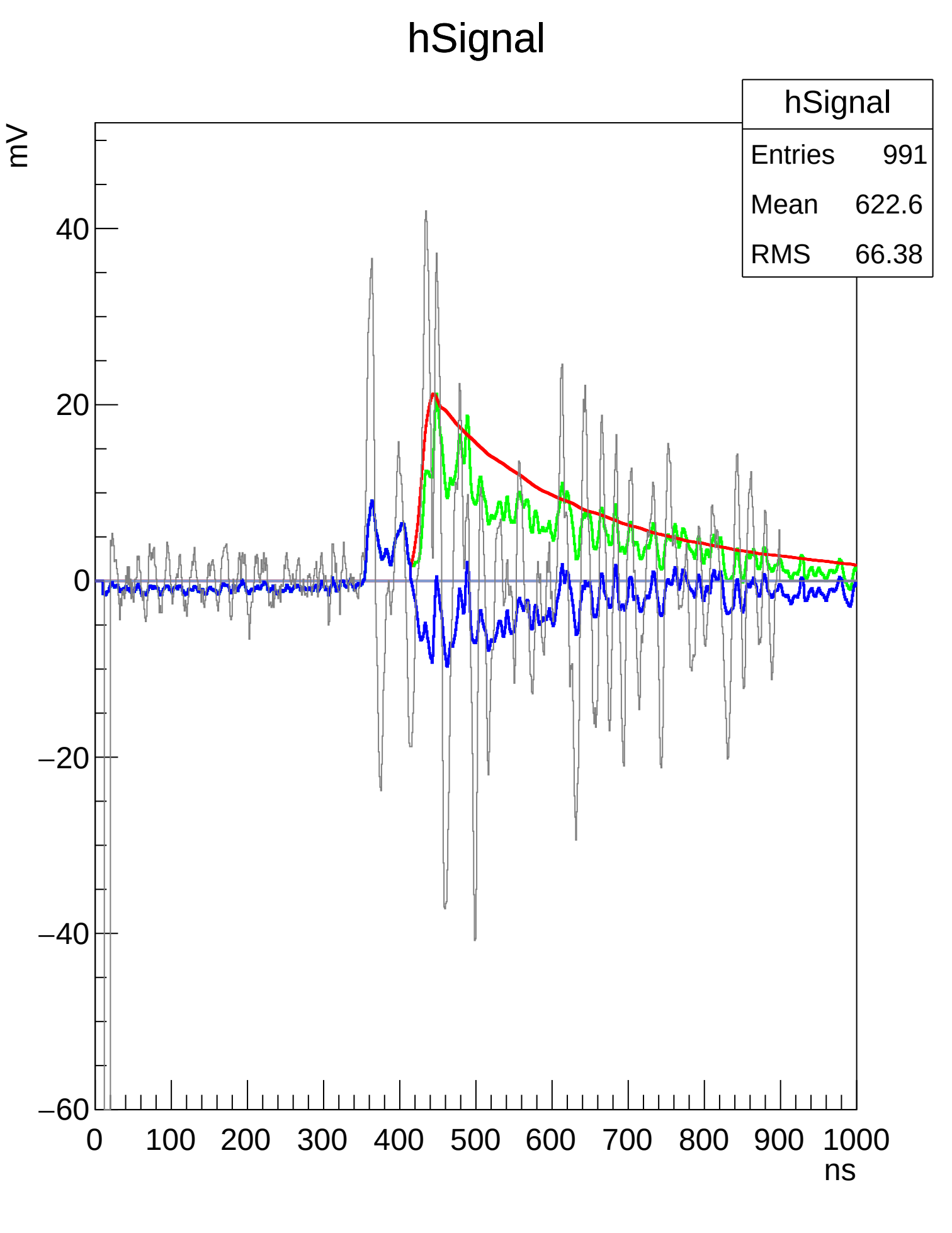
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.7
RMS 158.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.6
RMS 66.38
mV
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20
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−20
−40
−60
0
100
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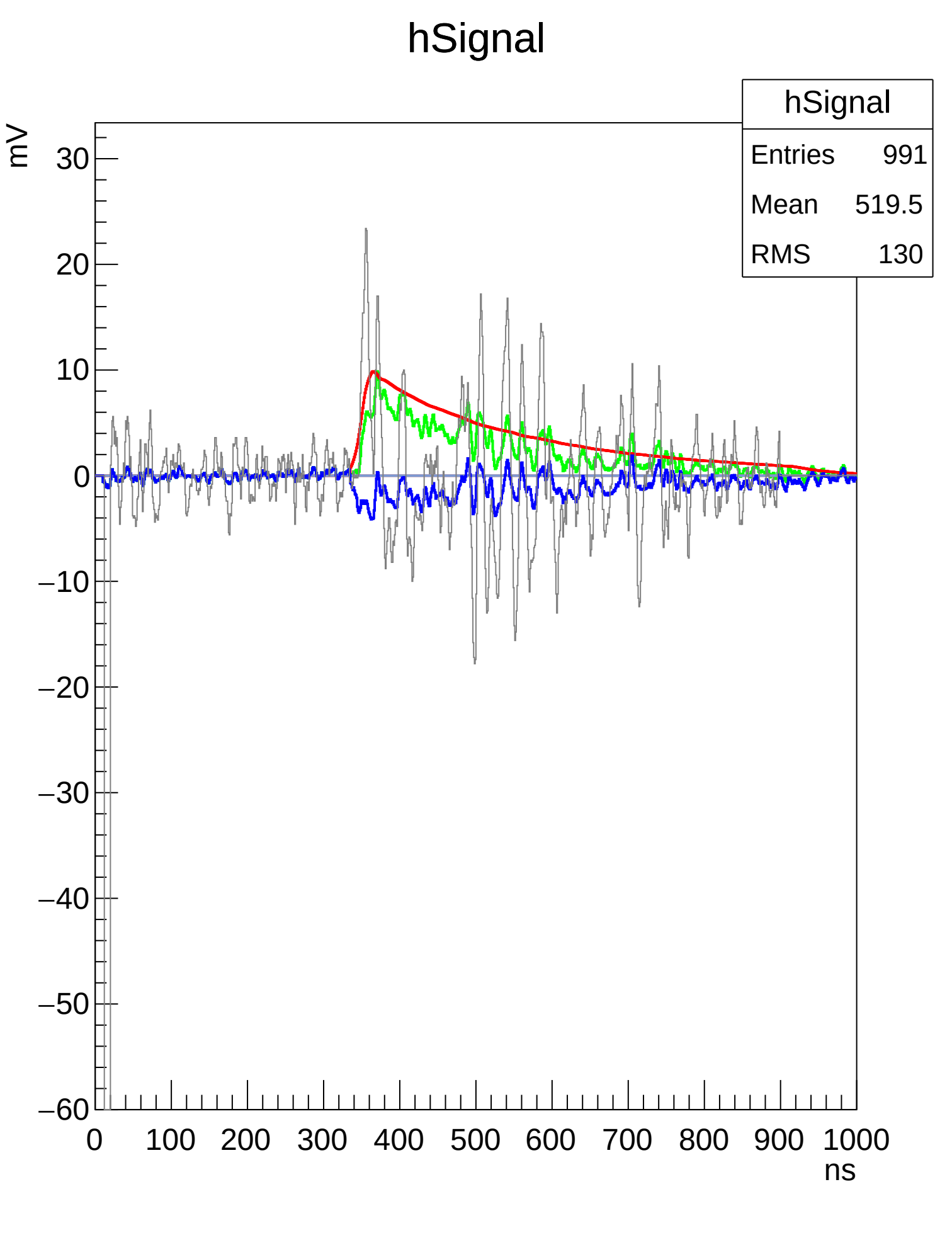
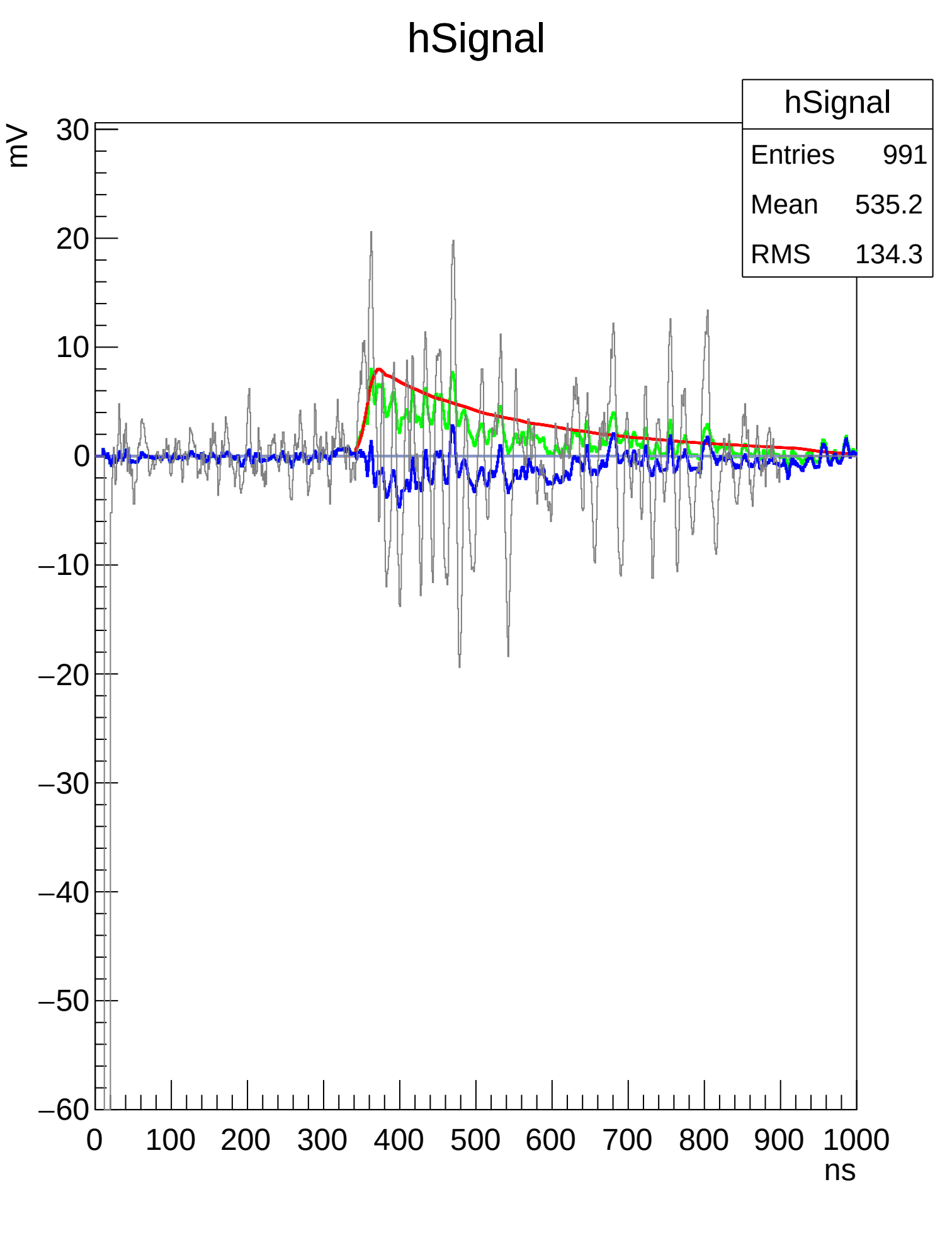
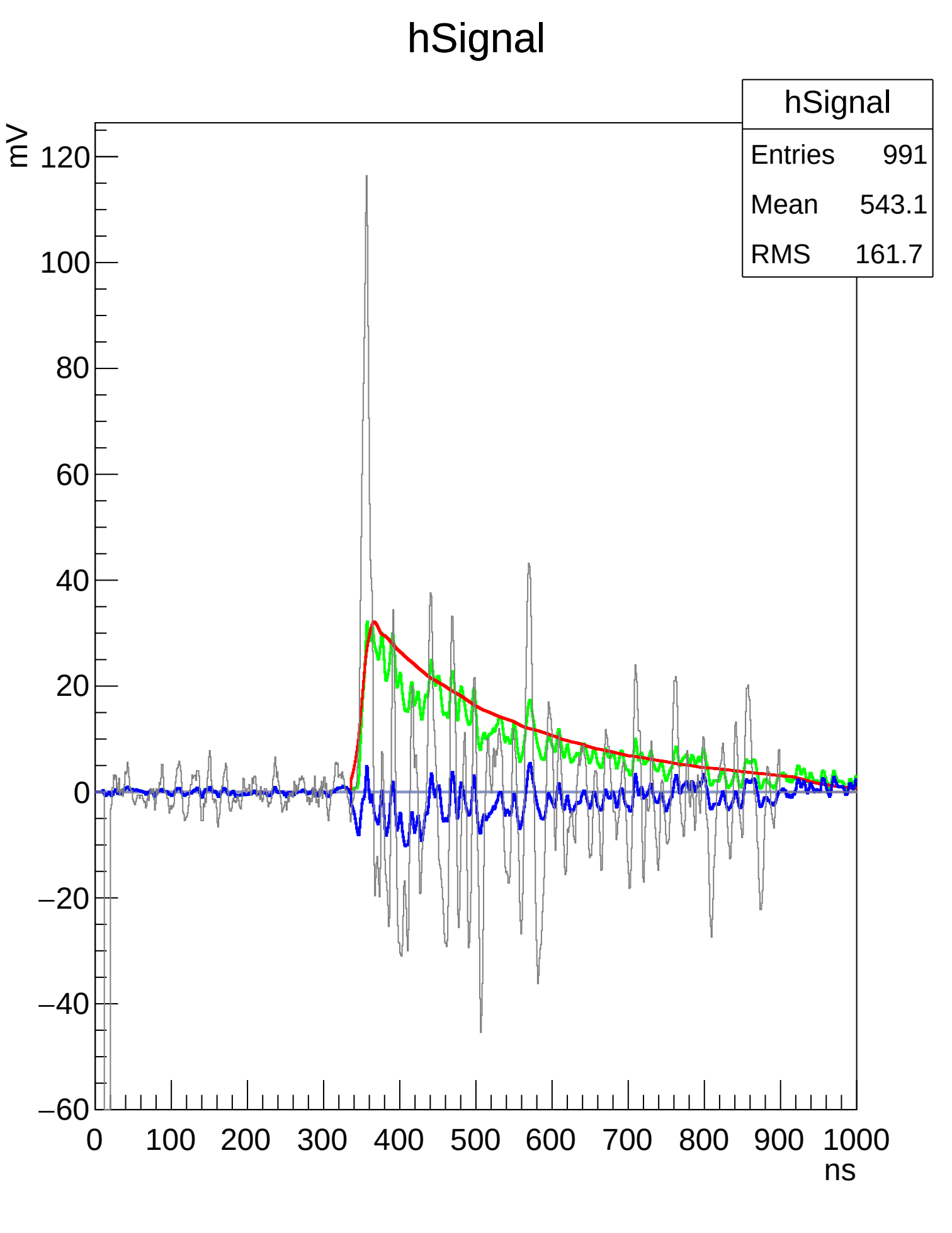
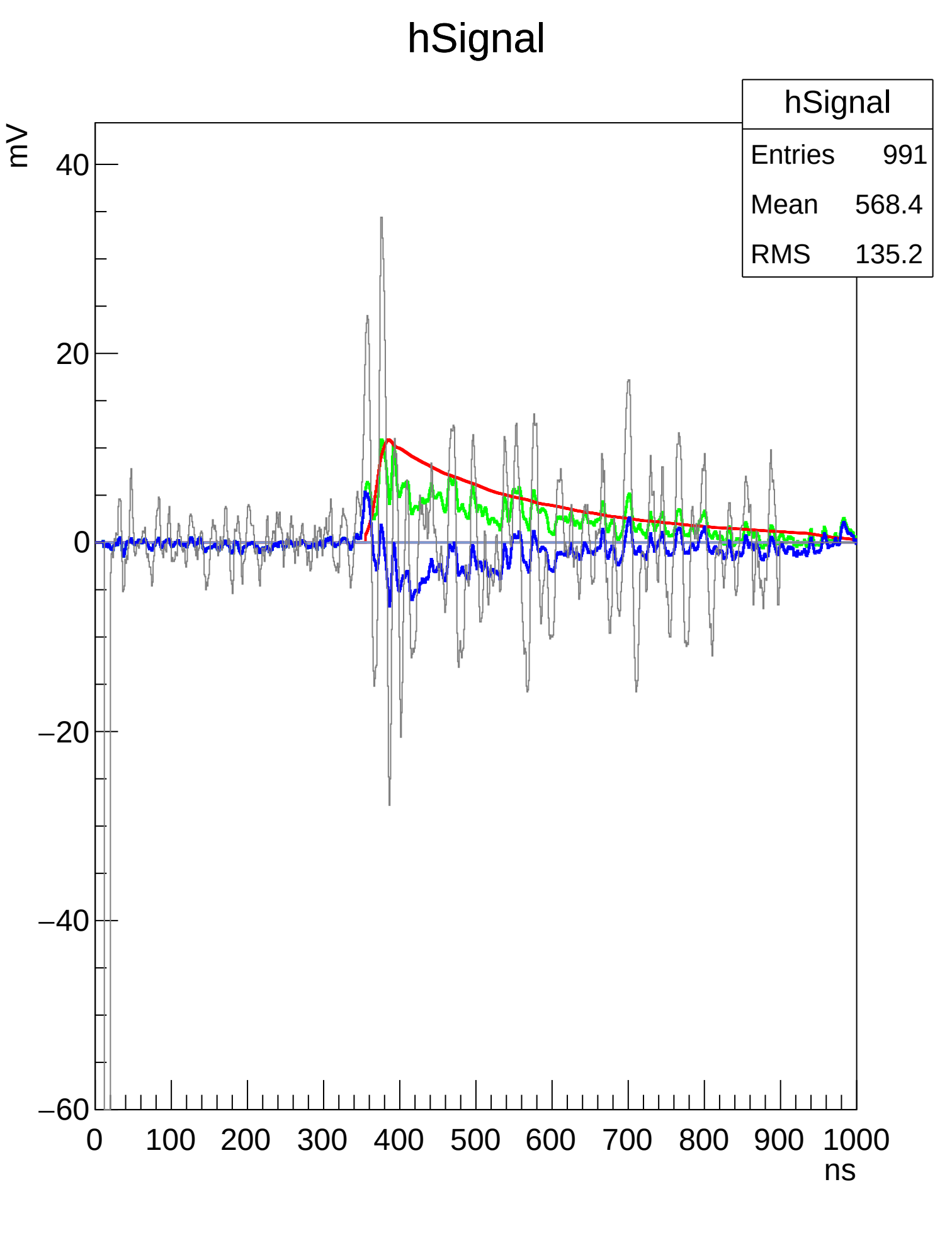
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.5
RMS 130
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.2
RMS 134.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.1
RMS 161.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.4
RMS 135.2
mV
40
20
0
−20
−40
−60
0
100
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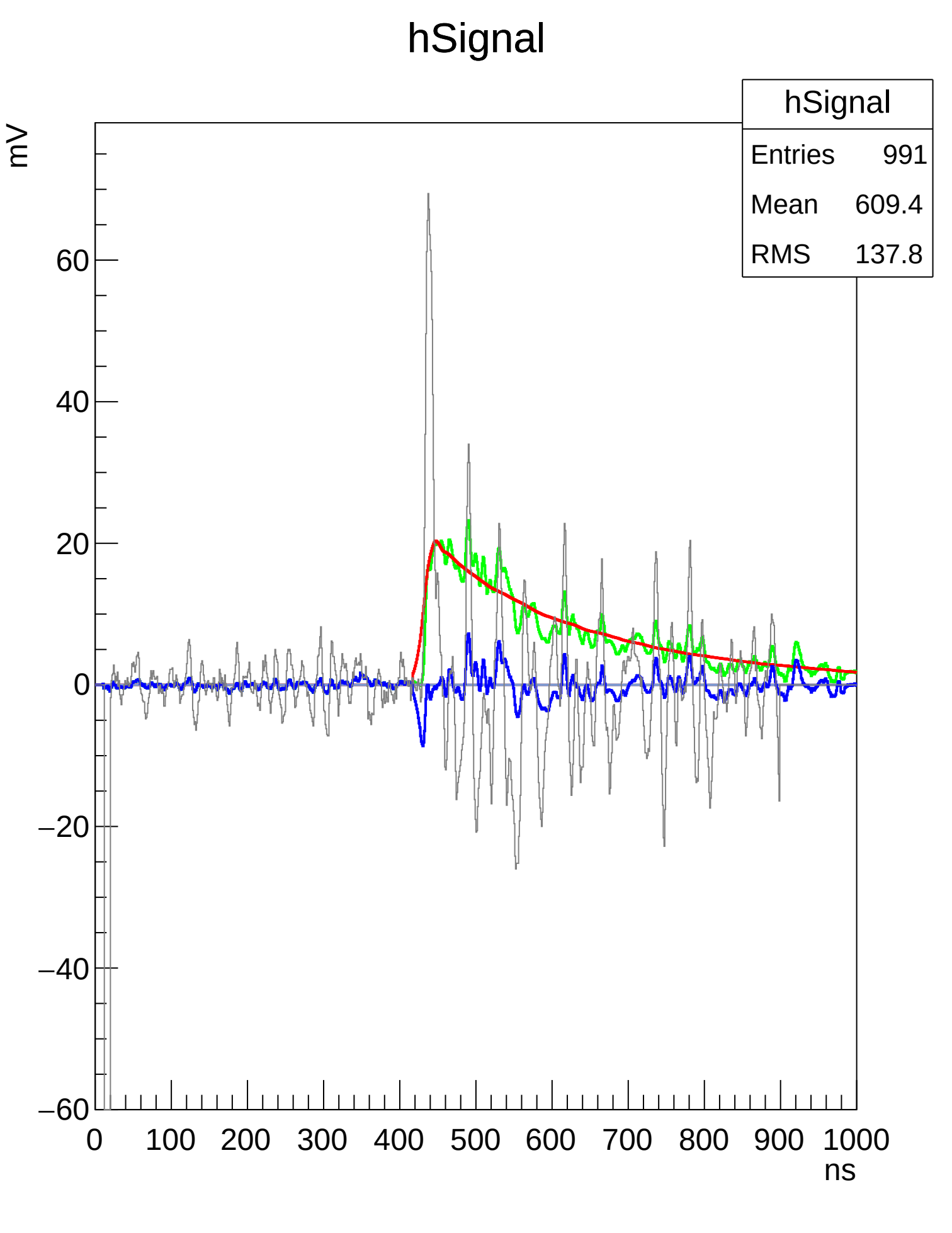
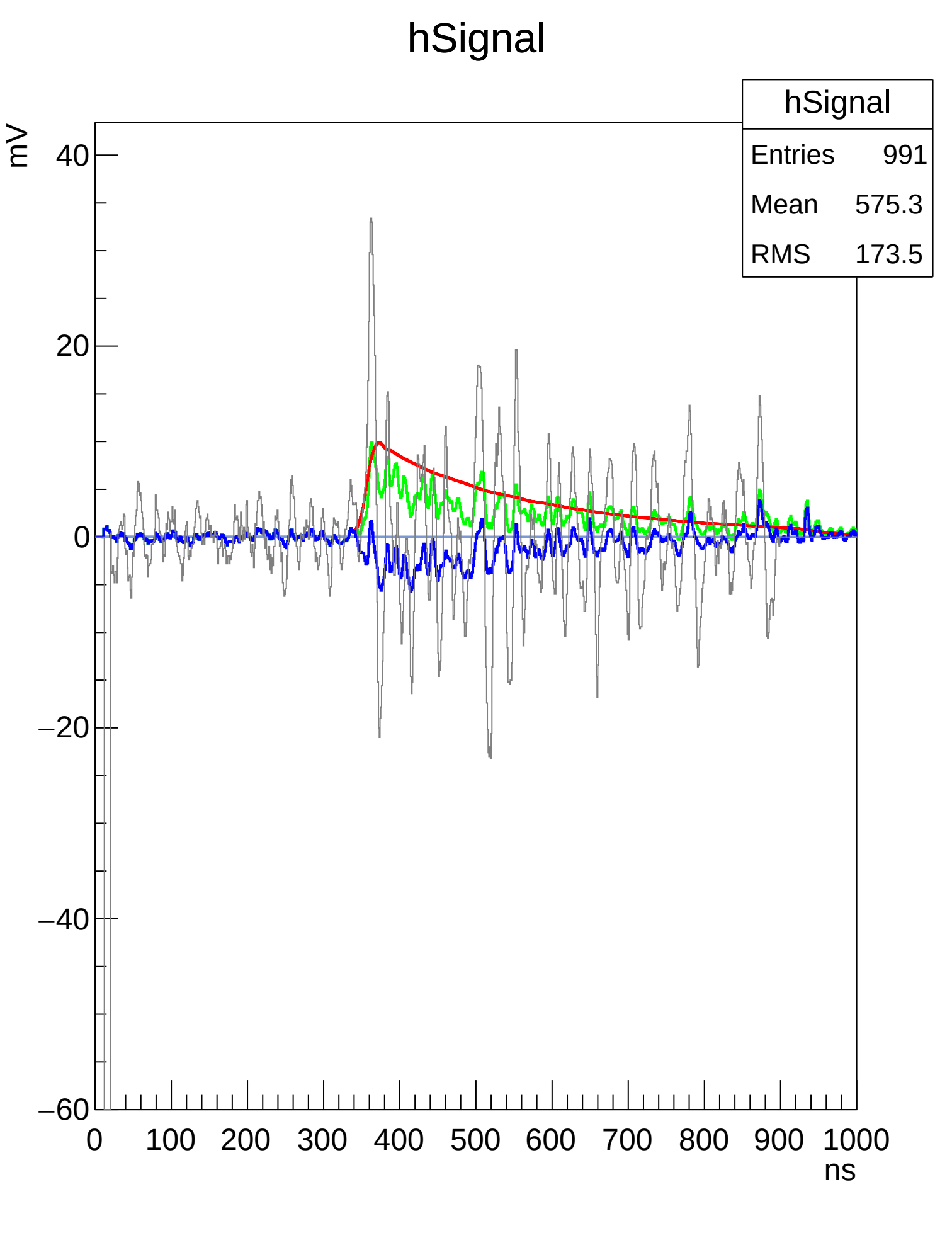
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.4
RMS 137.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.3
RMS 173.5
mV
40
20
0
−20
−40
−60
0
100
200
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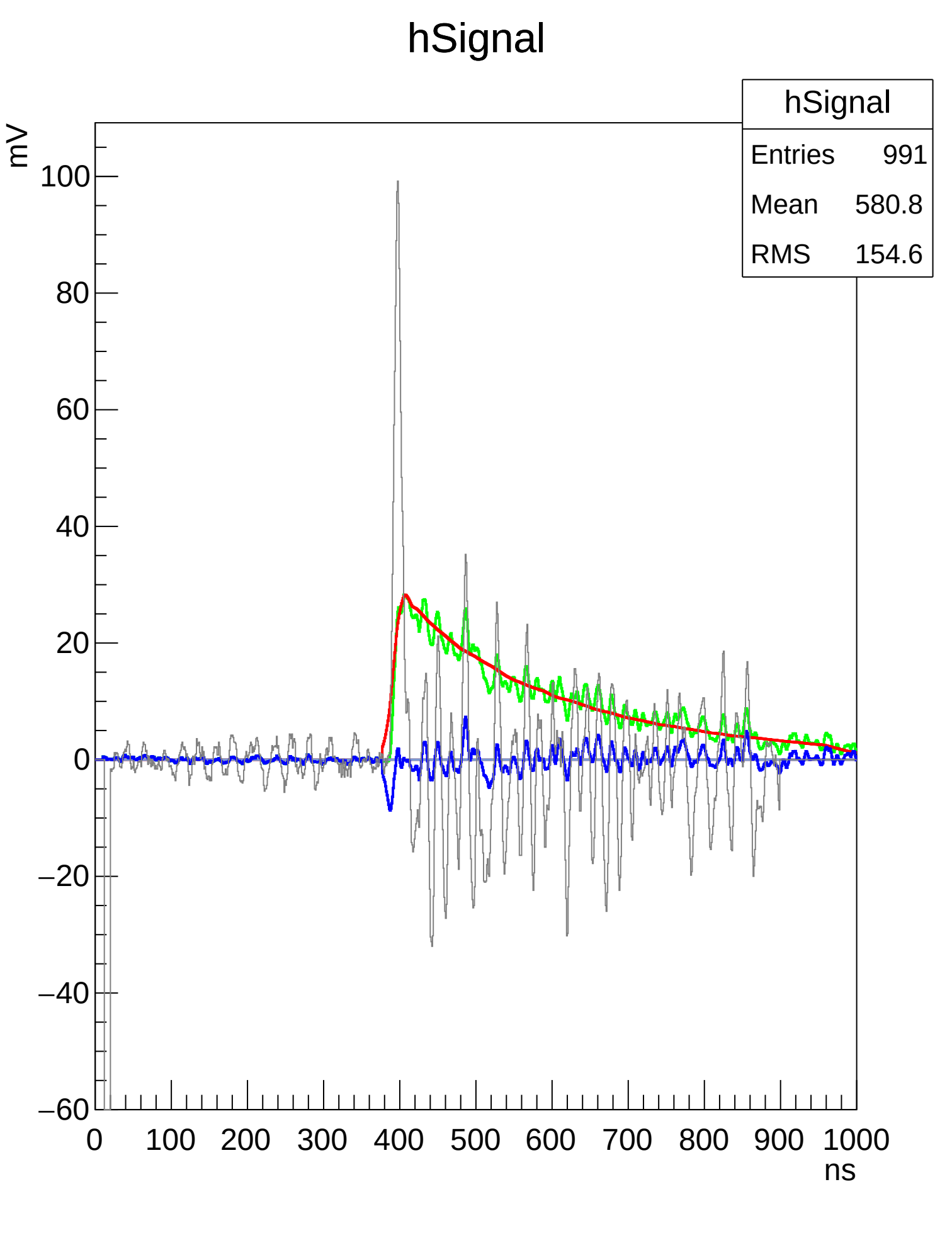
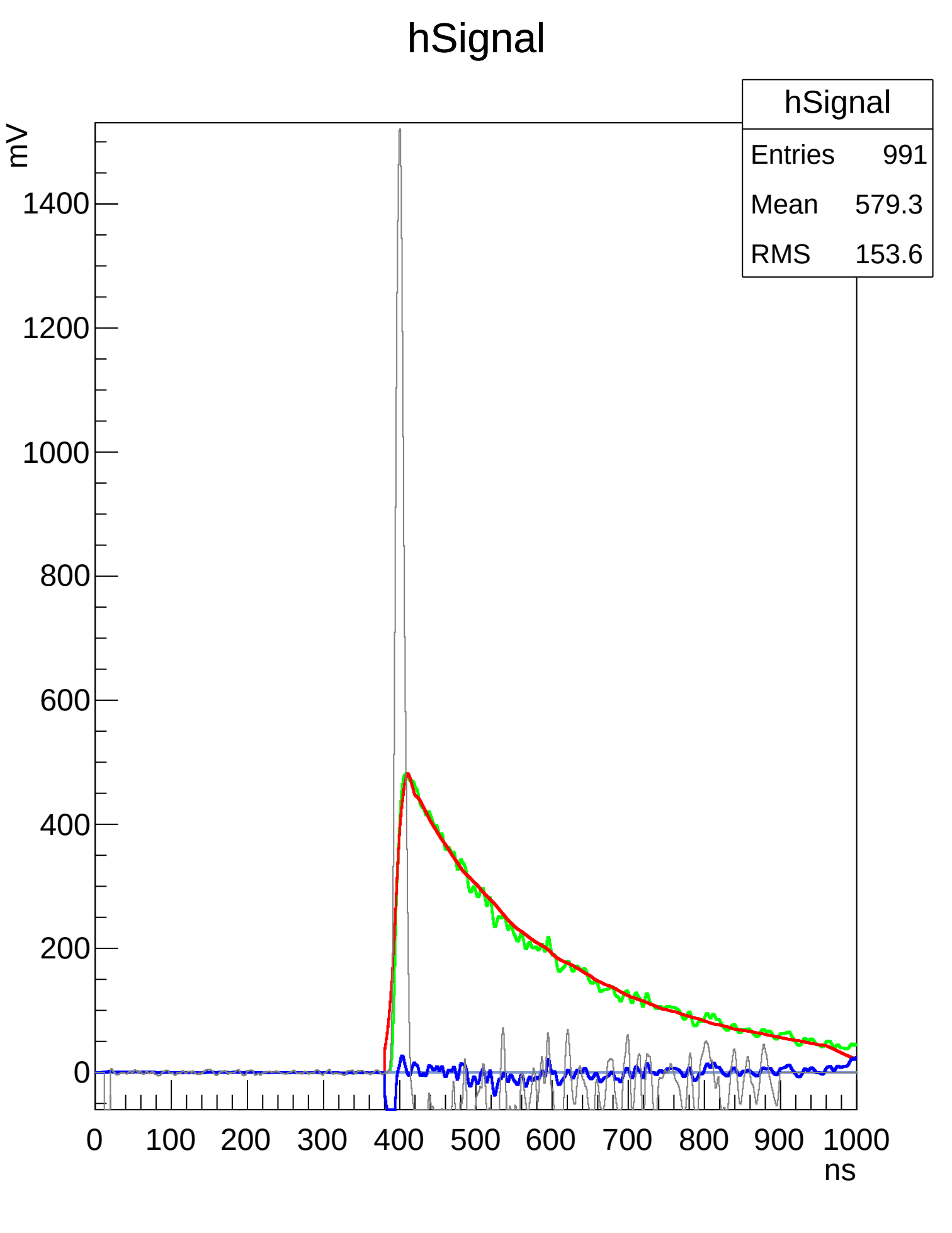
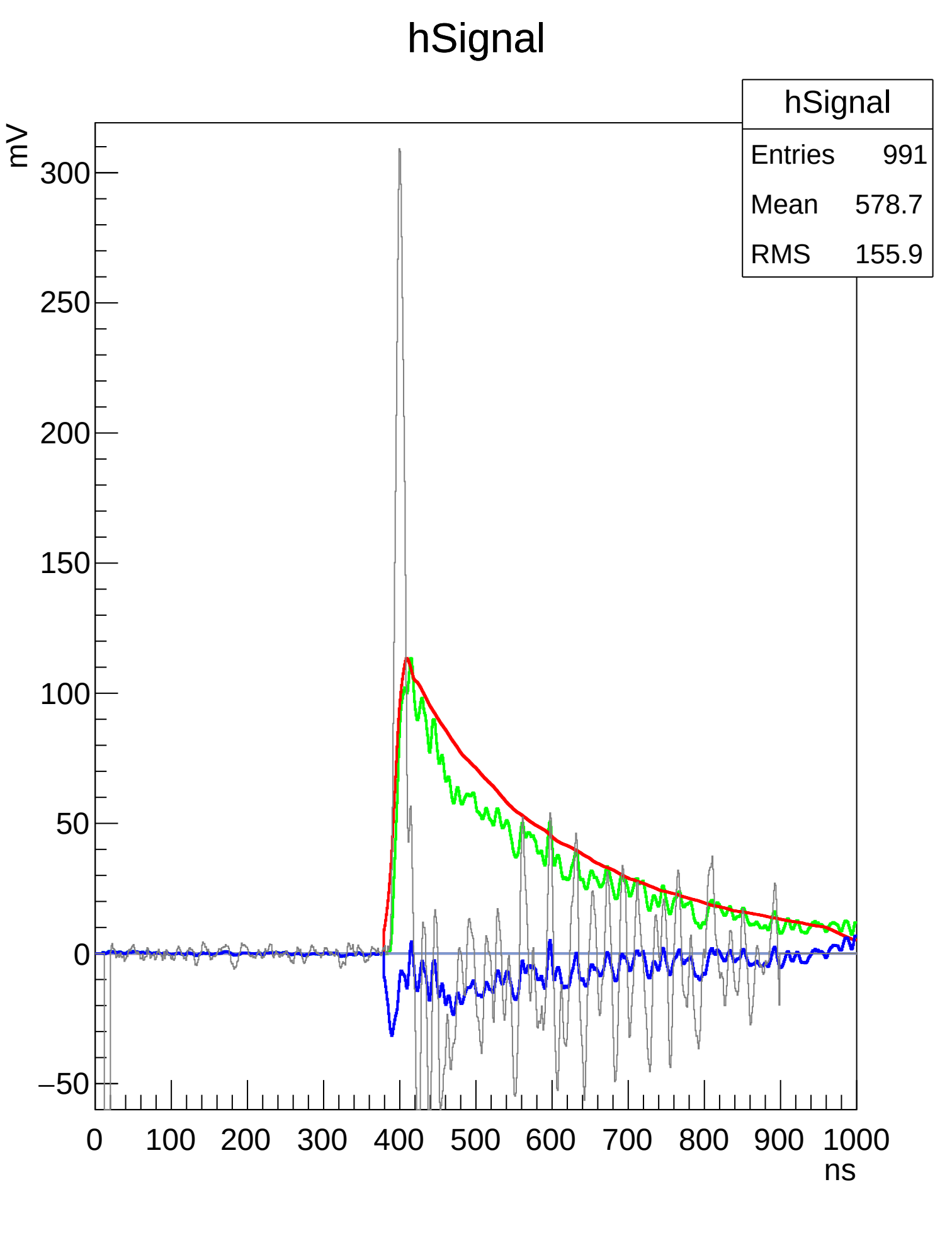
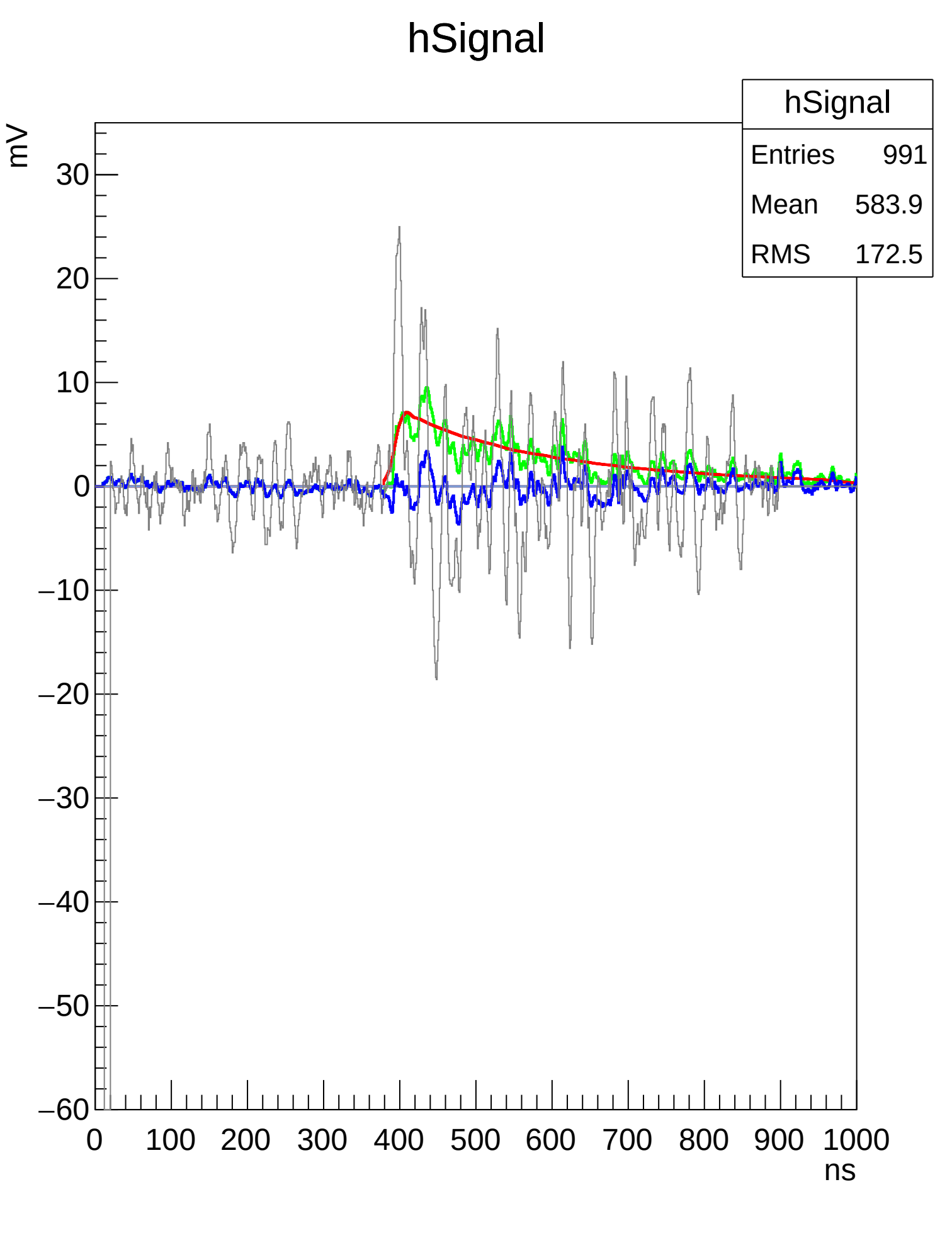
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.8
RMS 154.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.3
RMS 153.6
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 155.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.9
RMS 172.5
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
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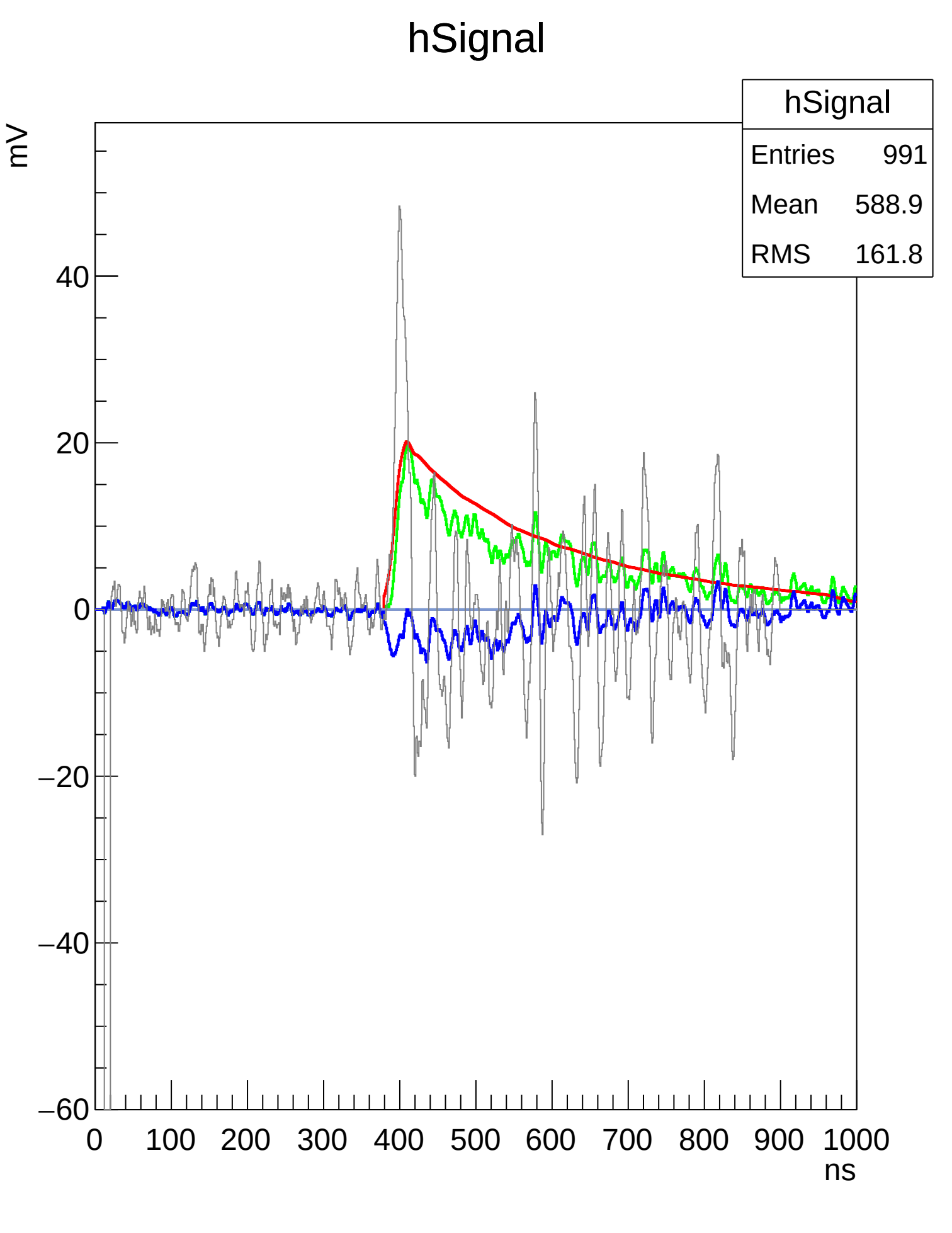
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.9
RMS 161.8
mV
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20
0
−20
−40
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0
100
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600
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800
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1000
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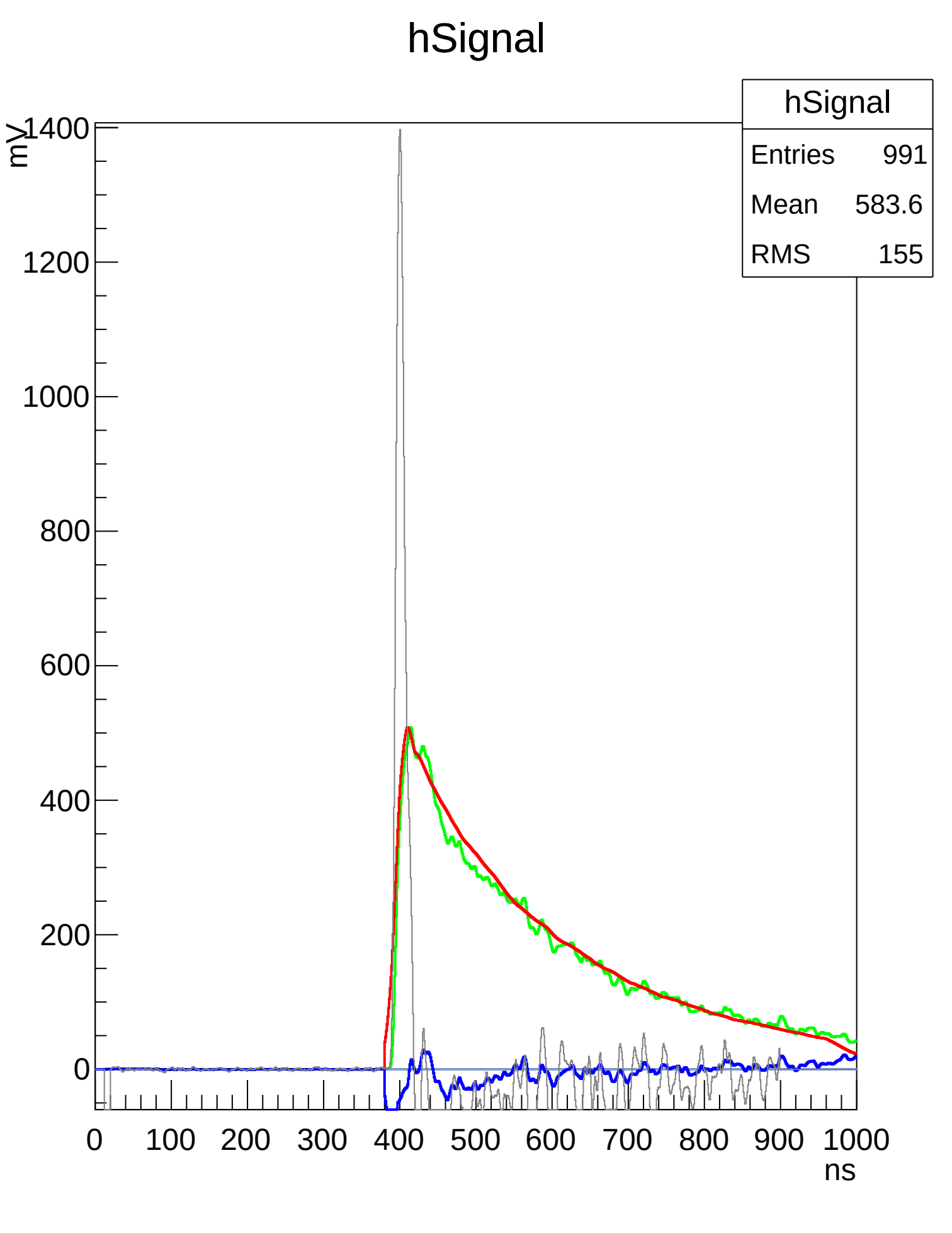
hSignal
hSignal
Entries 991
Mean 583.6
RMS 155
mV
1400
1200
1000
800
600
400
200
0
0
100
200
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400
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600
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800
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1000
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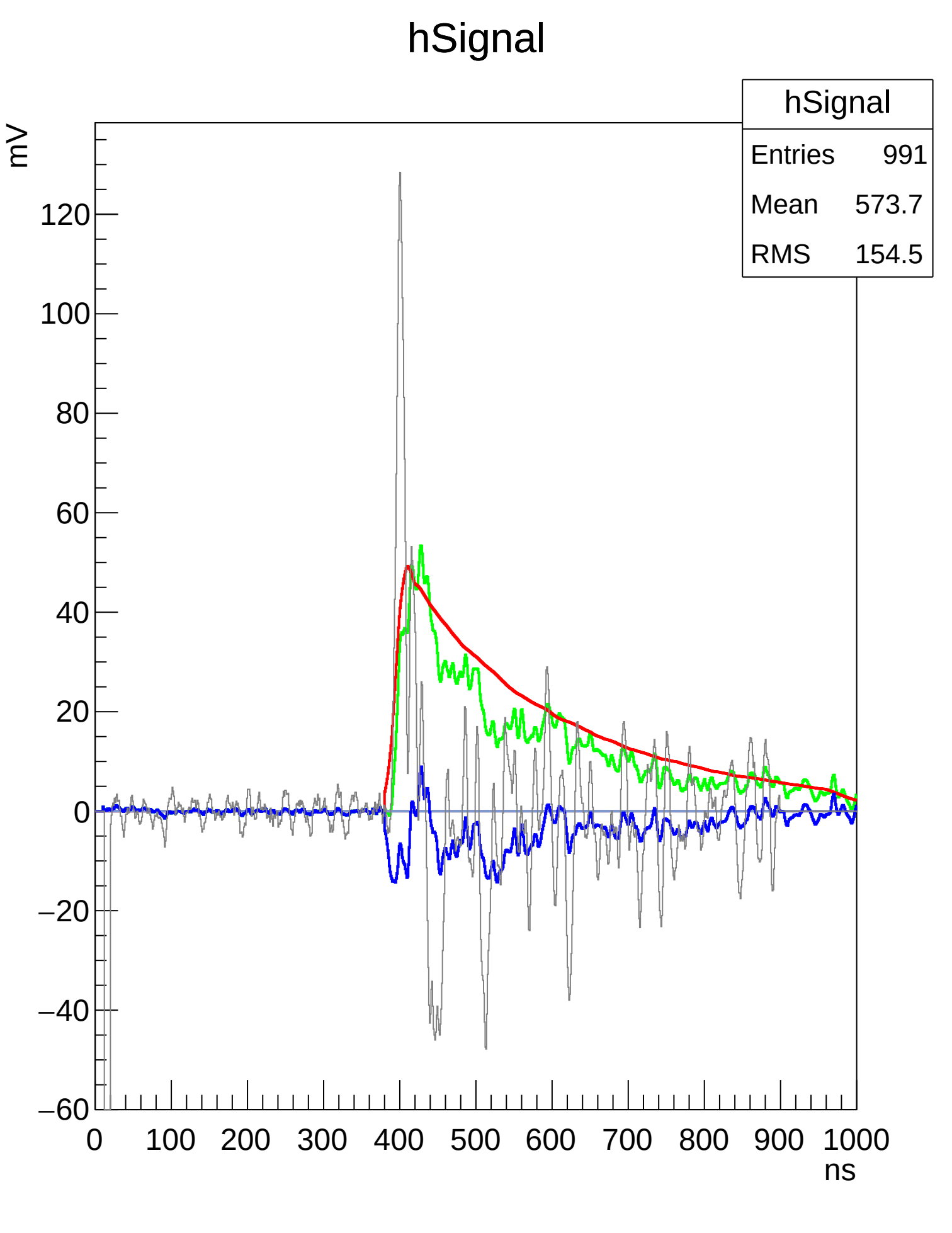
hSignal
hSignal
Entries 991
Mean 573.7
RMS 154.5
mV
120
100
80
60
40
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−20
−40
−60
0
100
200
300
400
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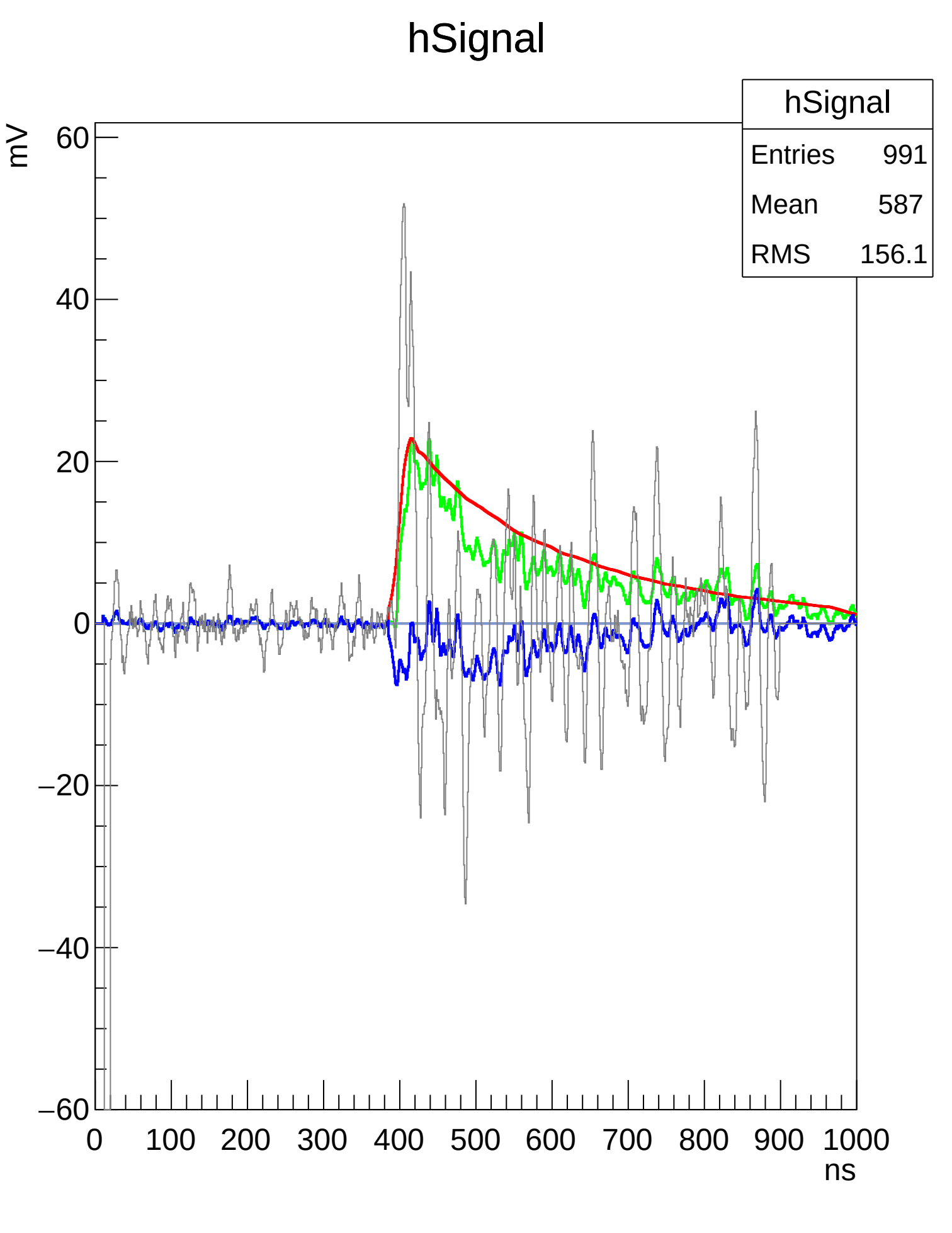
1000
ns


hSignal
hSignal
Entries 991
Mean 587
RMS 156.1
mV
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−20
−40
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0
100
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400
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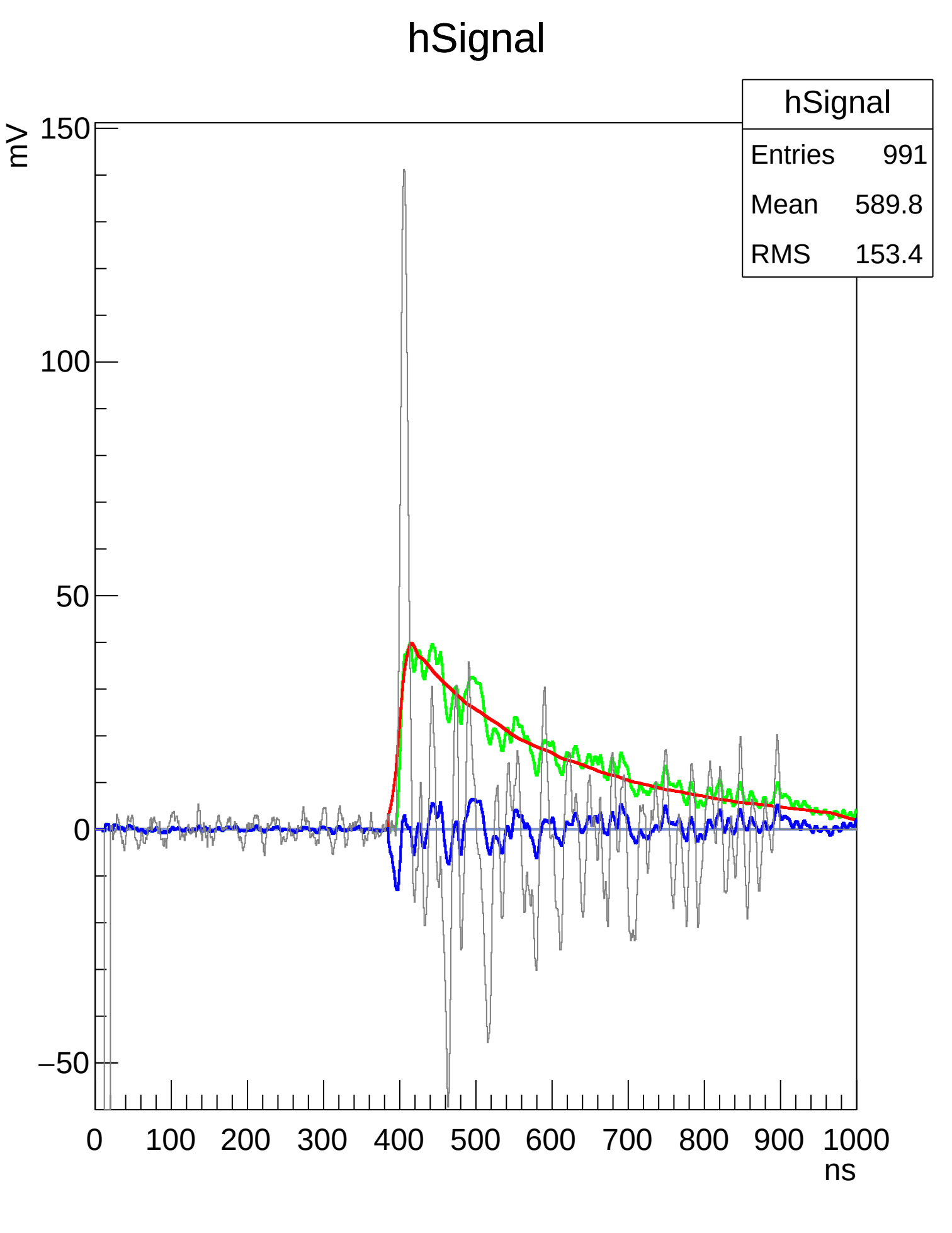
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.8
RMS 153.4
mV
150
100
50
0
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0
100
200
300
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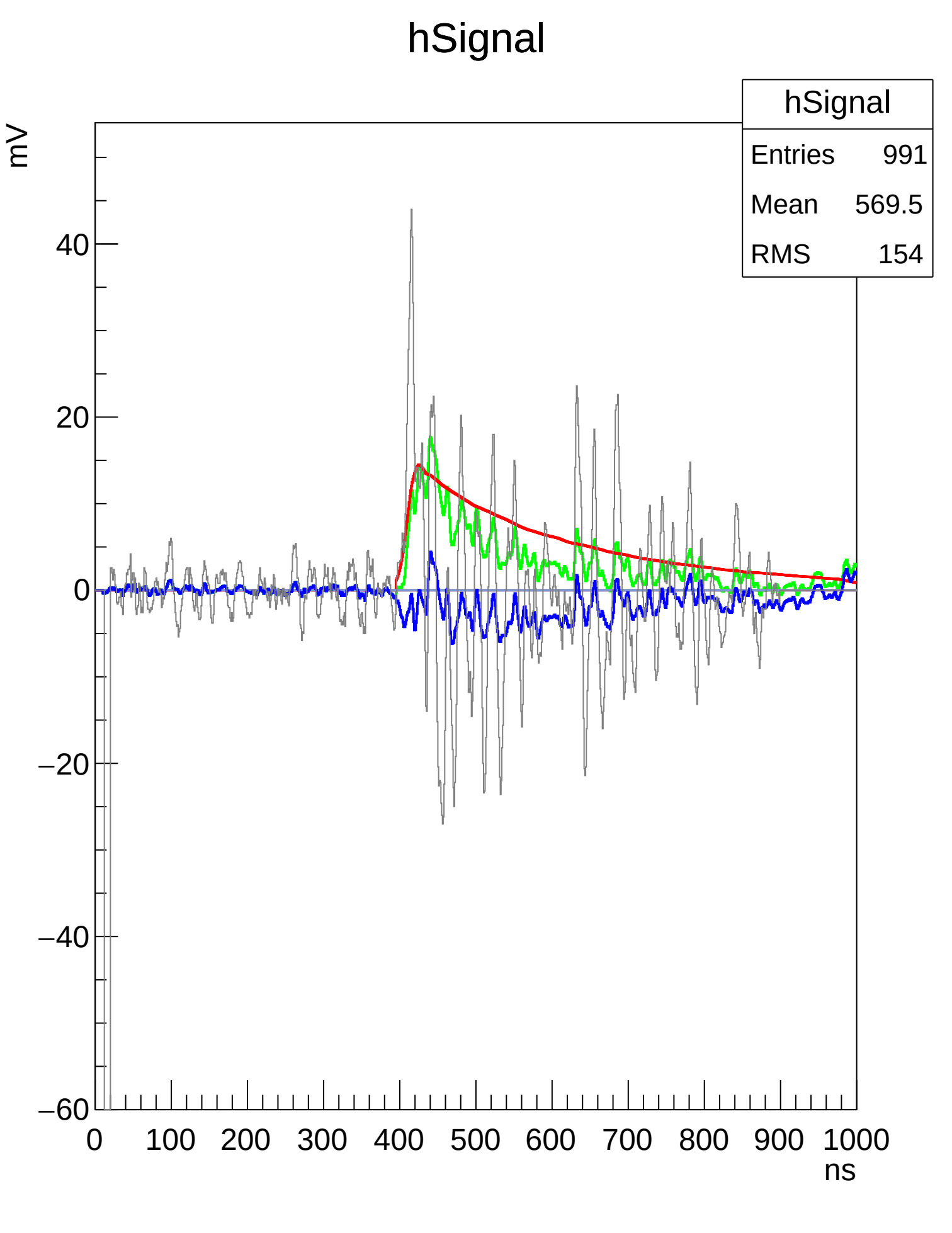
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.5
RMS 154
mV
40
20
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−20
−40
−60
0
100
200
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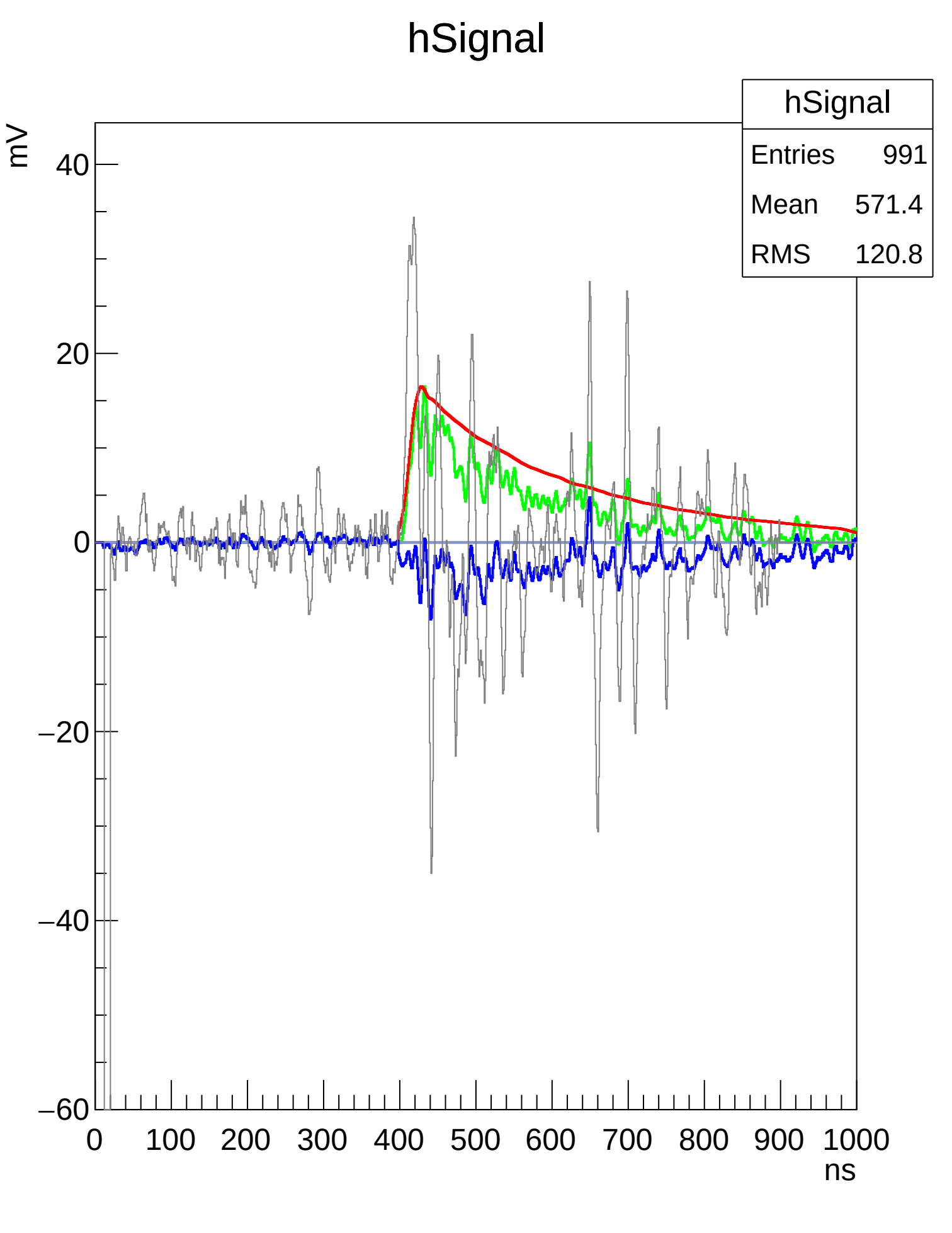
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.4
RMS 120.8
mV
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−20
−40
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0
100
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600
700
800
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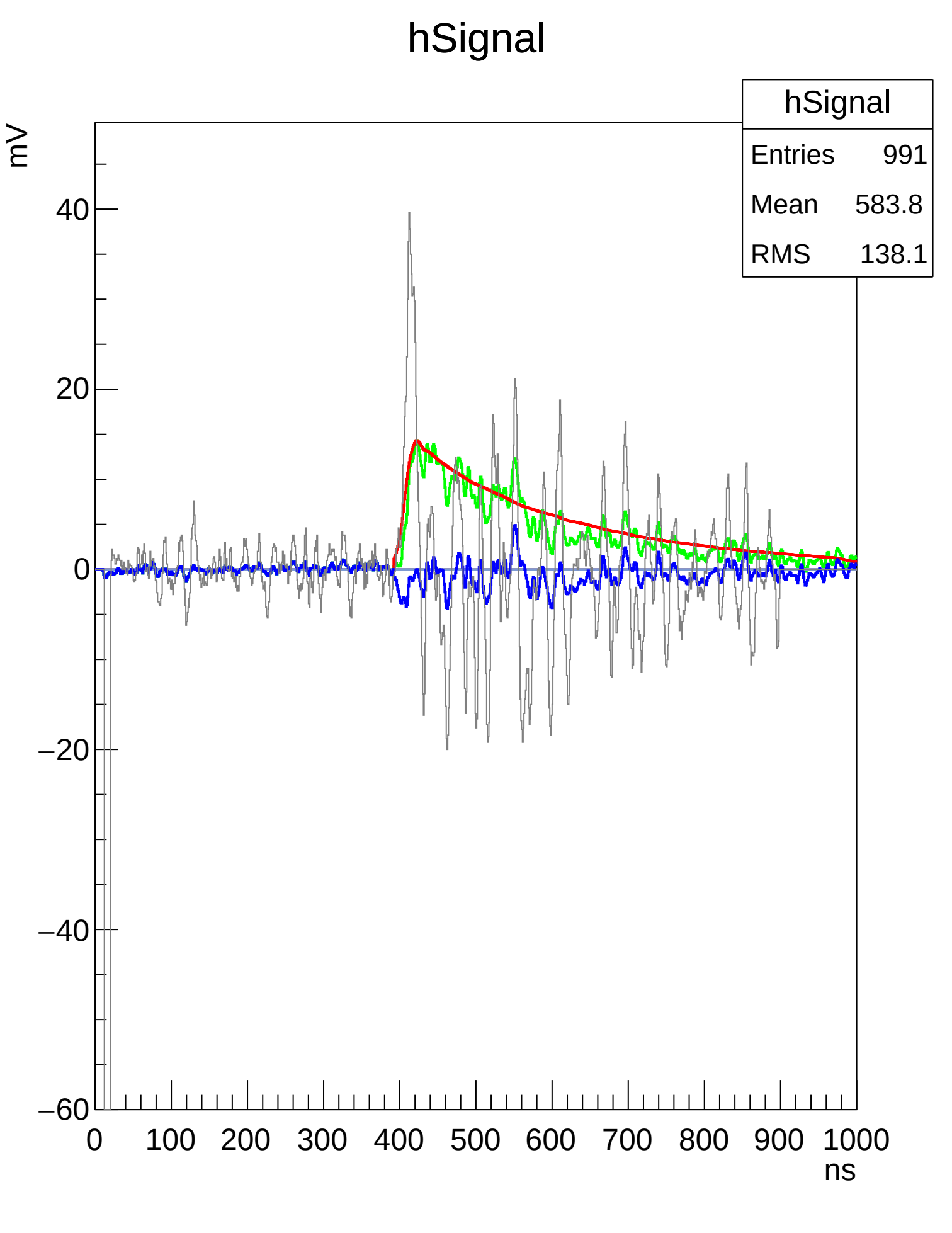
1000
ns


hSignal
hSignal
Entries 991
Mean 583.8
RMS 138.1
mV
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−40
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0
100
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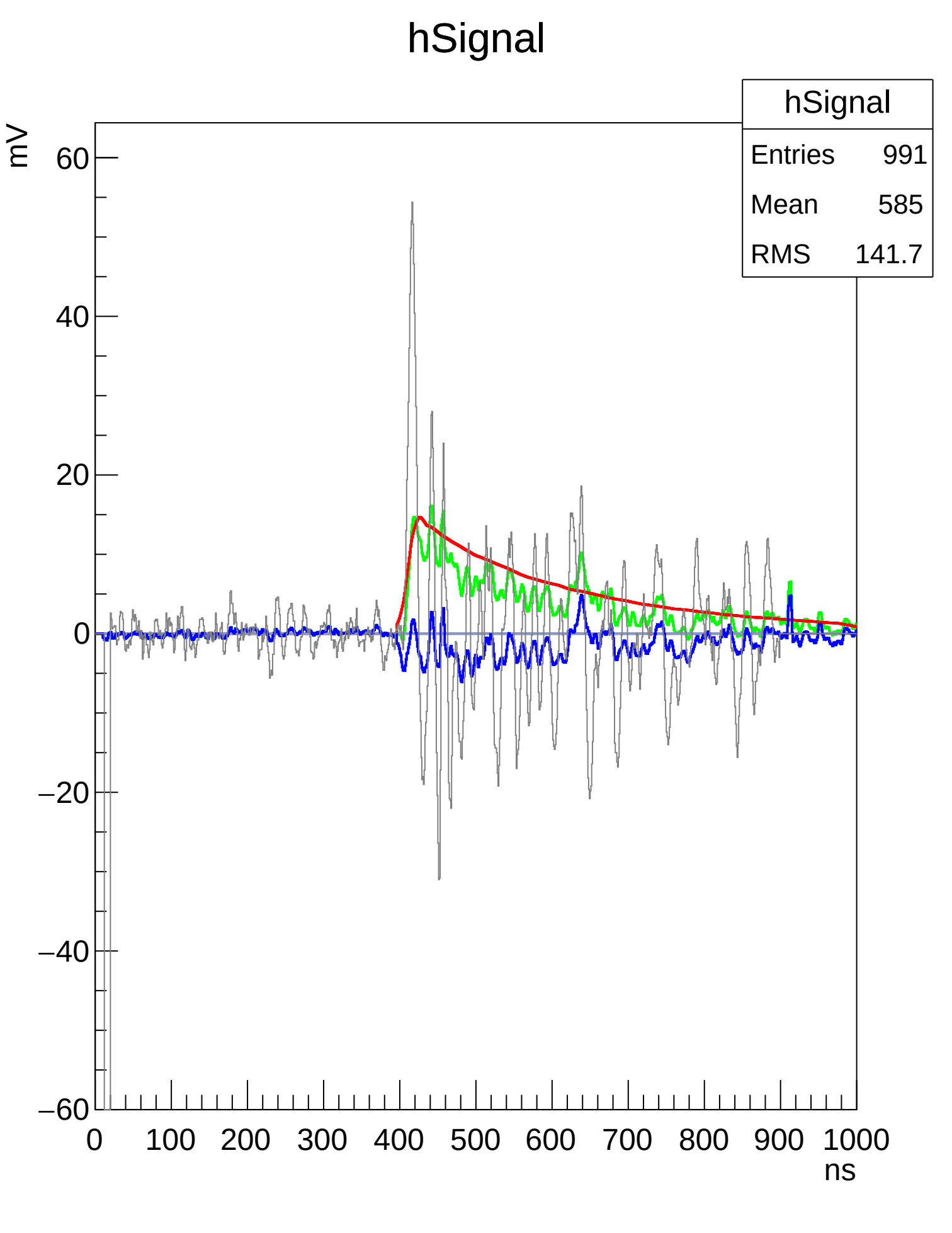
1000
ns


hSignal
hSignal
Entries 991
Mean 585
RMS 141.7
mV
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−20
−40
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0
100
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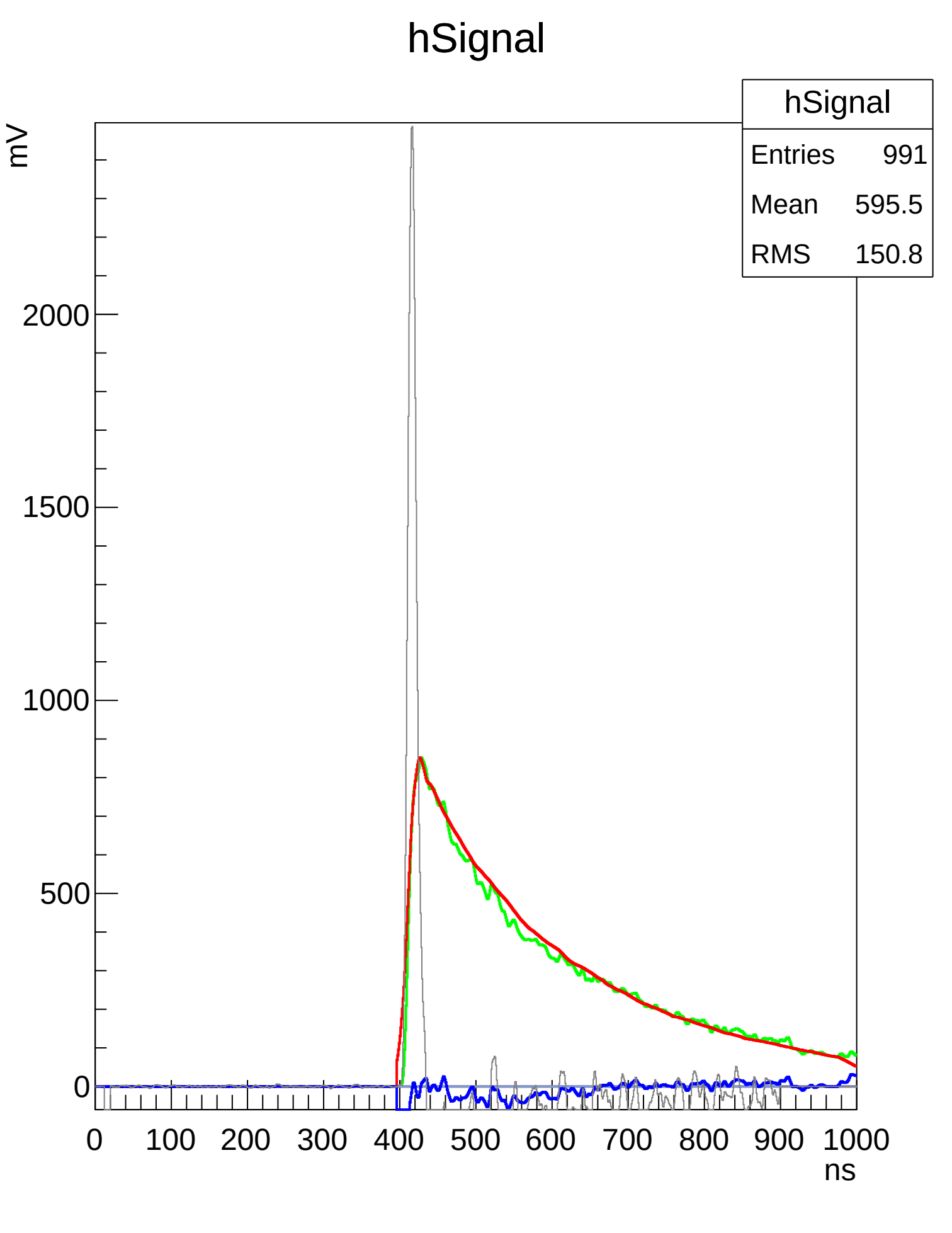
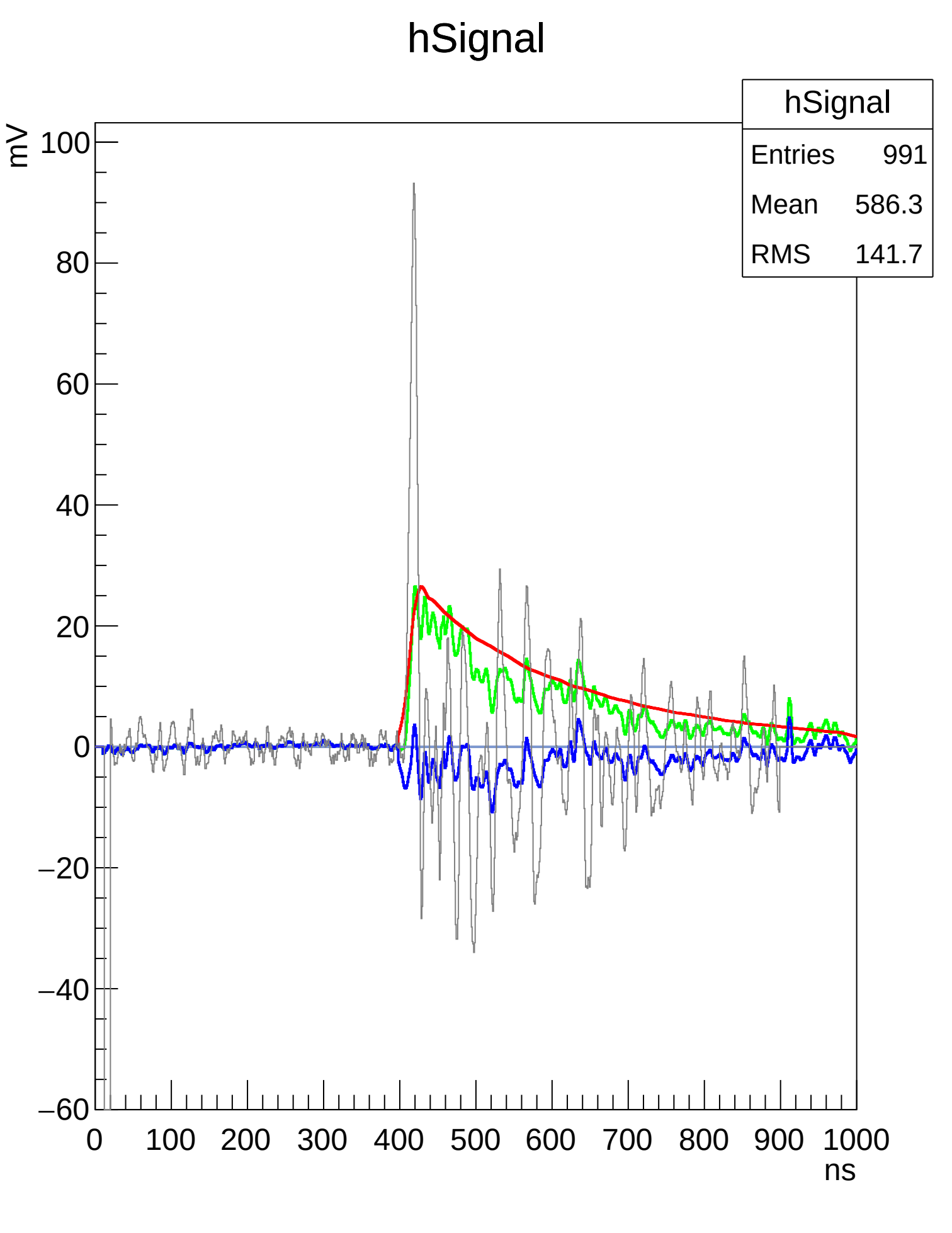
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.5
RMS 150.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 586.3
RMS 141.7
mV
100
80
60
40
20
0
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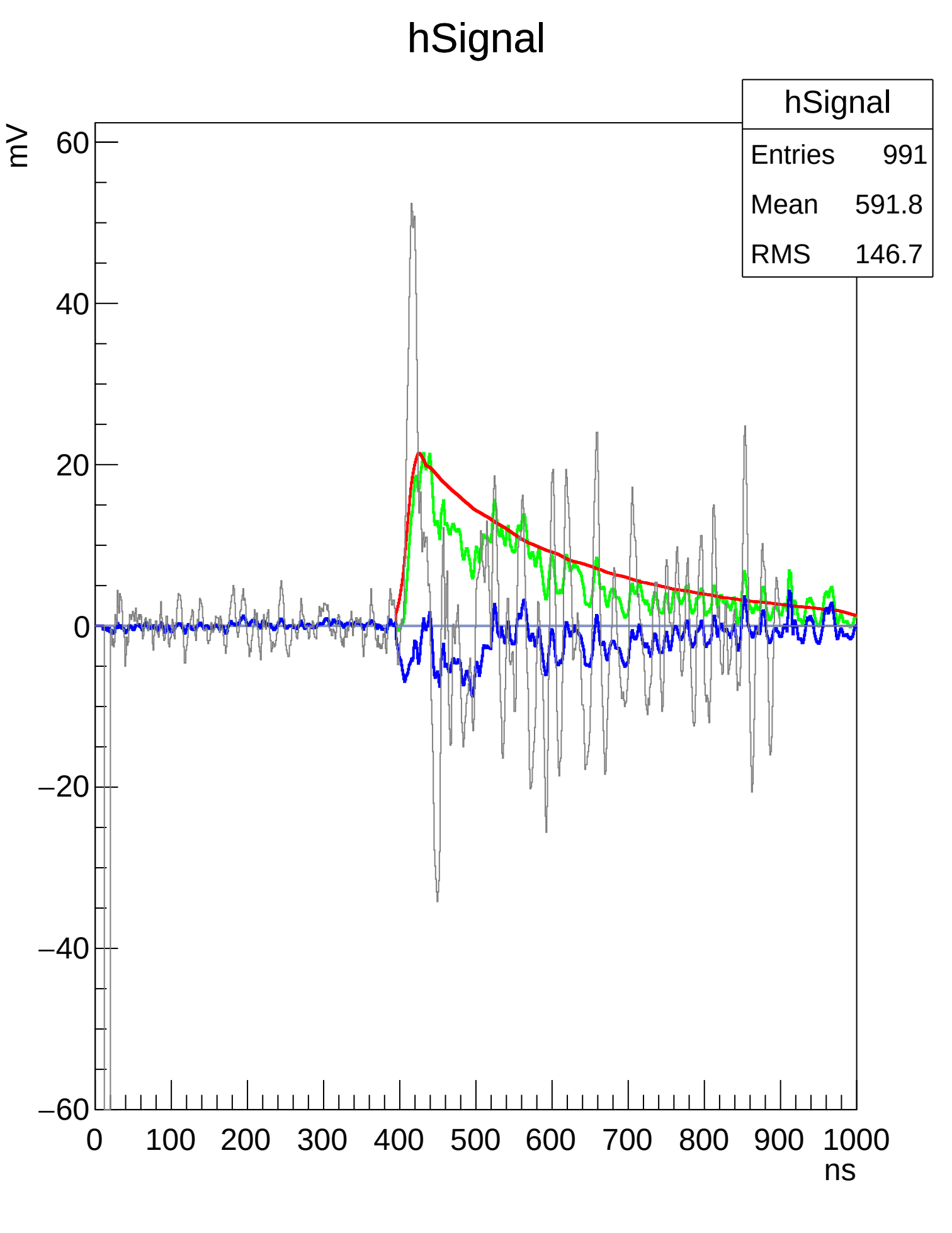
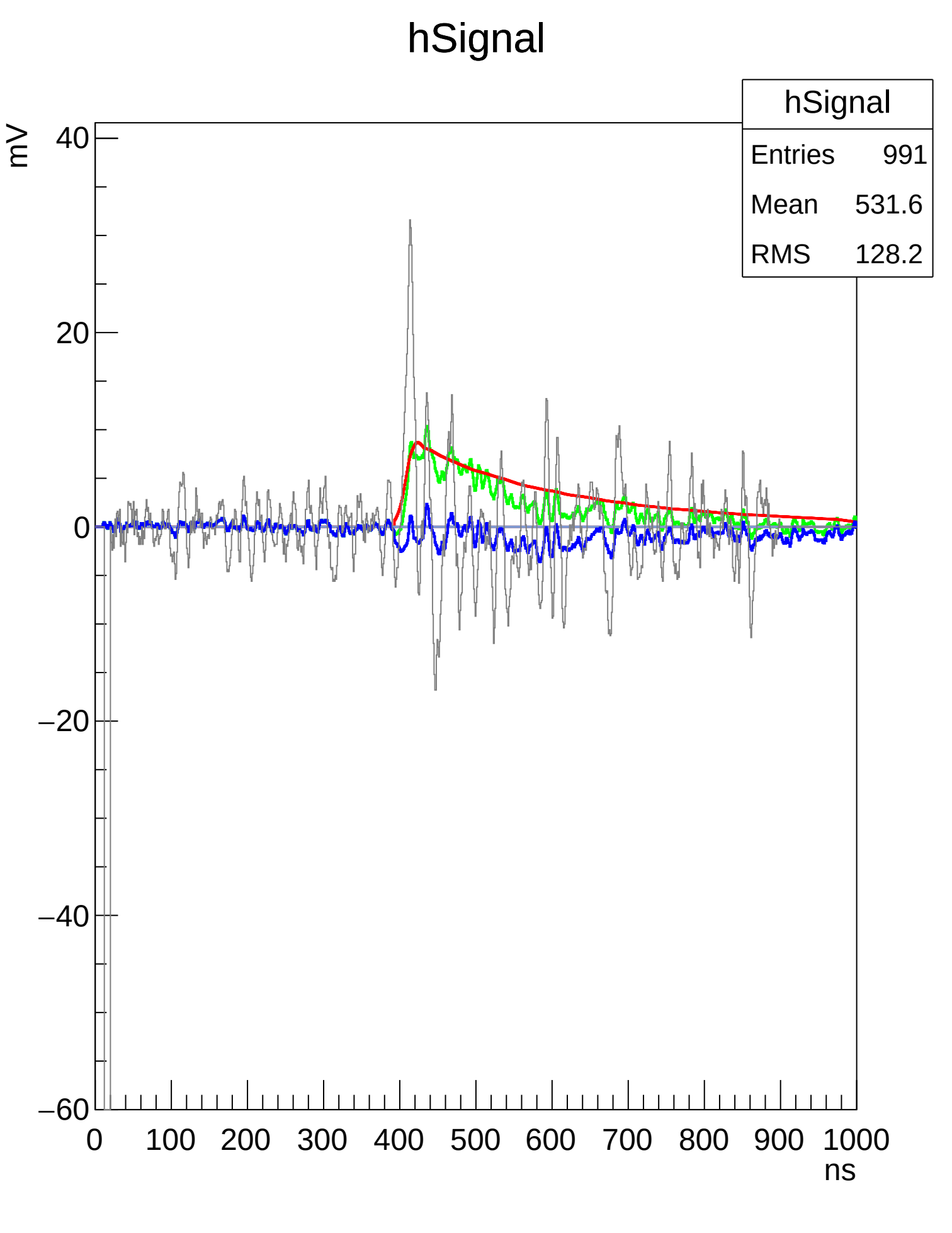
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.8
RMS 146.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.6
RMS 128.2
mV
40
20
0
−20
−40
−60
0
100
200
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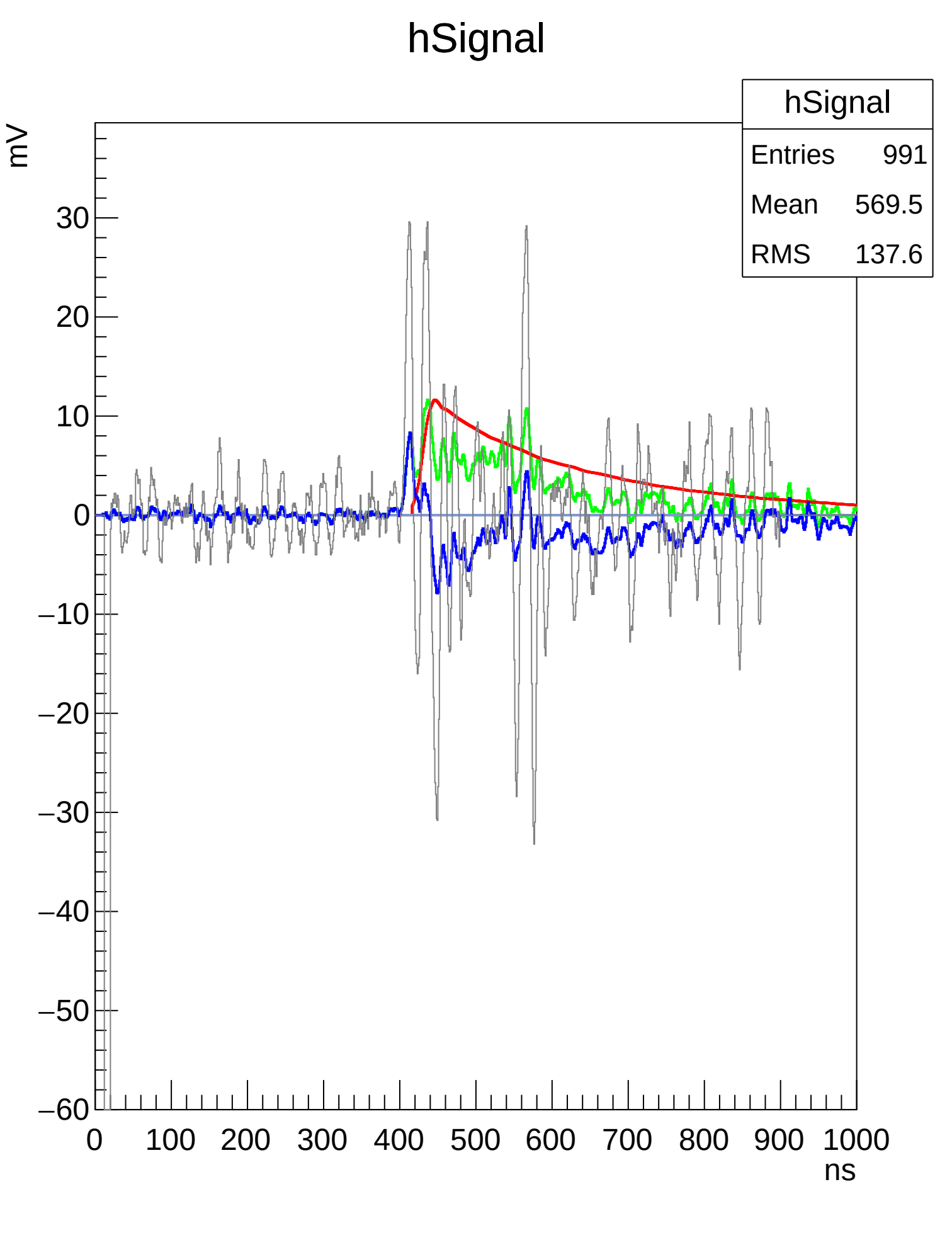
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.5
RMS 137.6
mV
30
20
10
0
−10
−20
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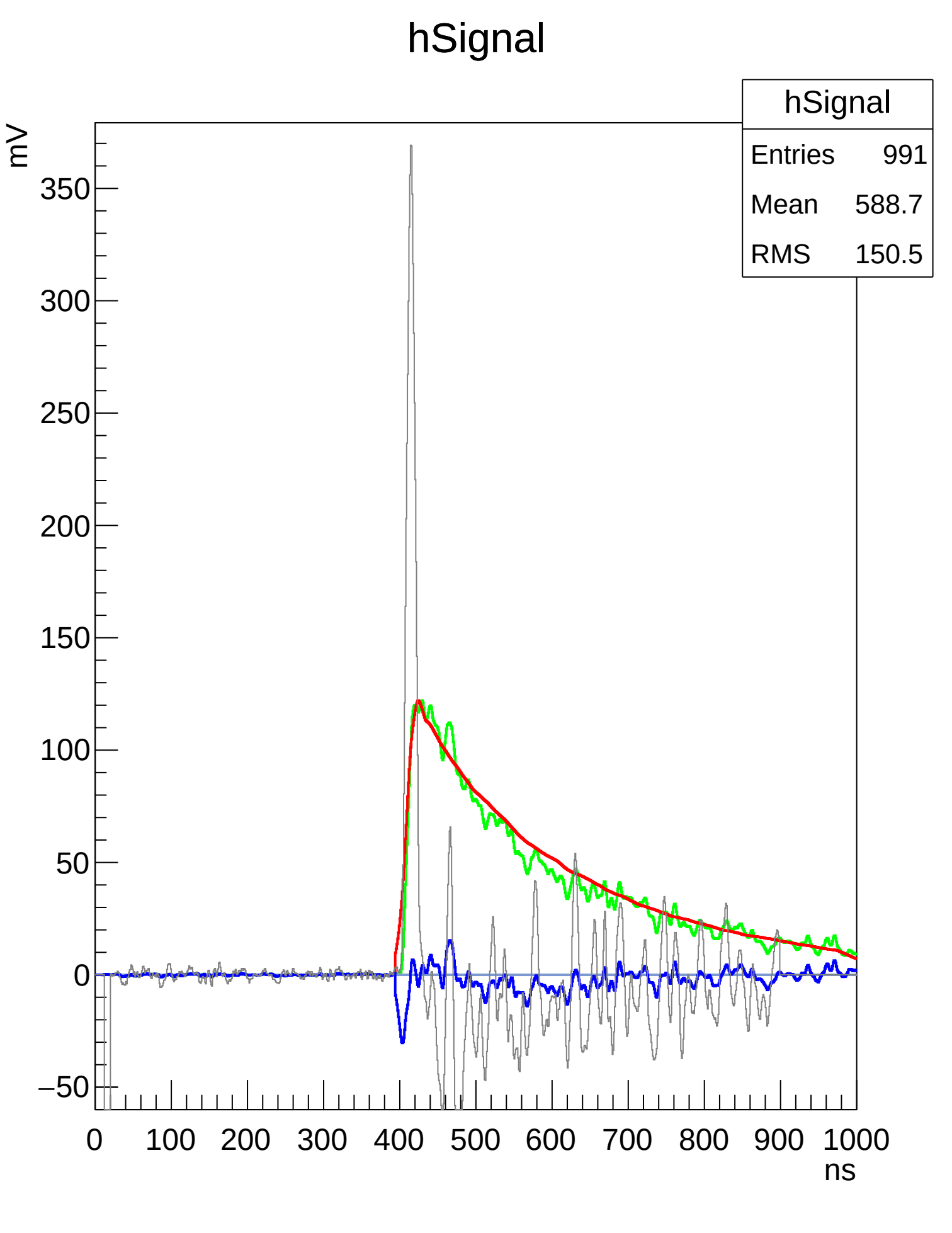
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.7
RMS 150.5
mV
350
300
250
200
150
100
50
0
−50
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200
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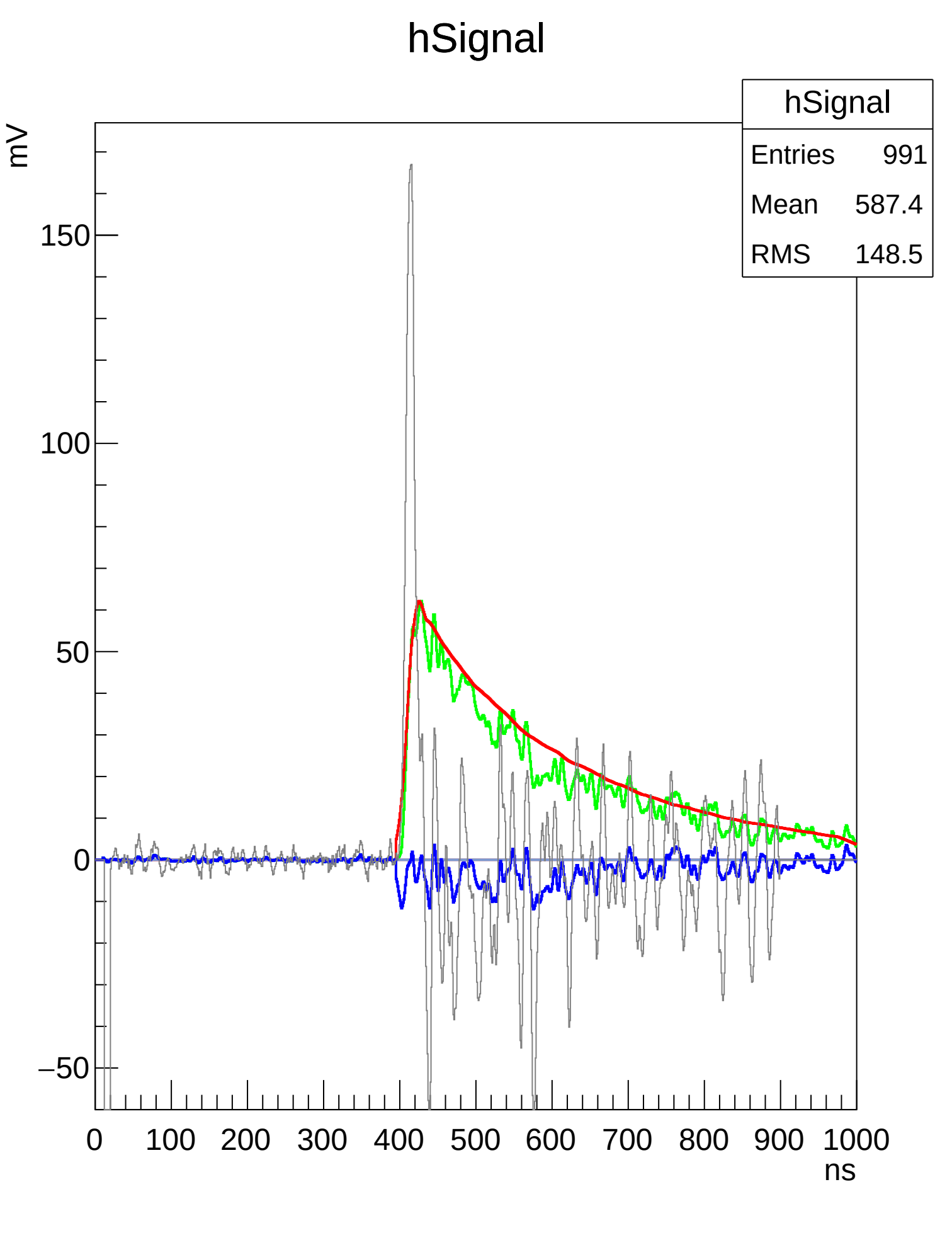
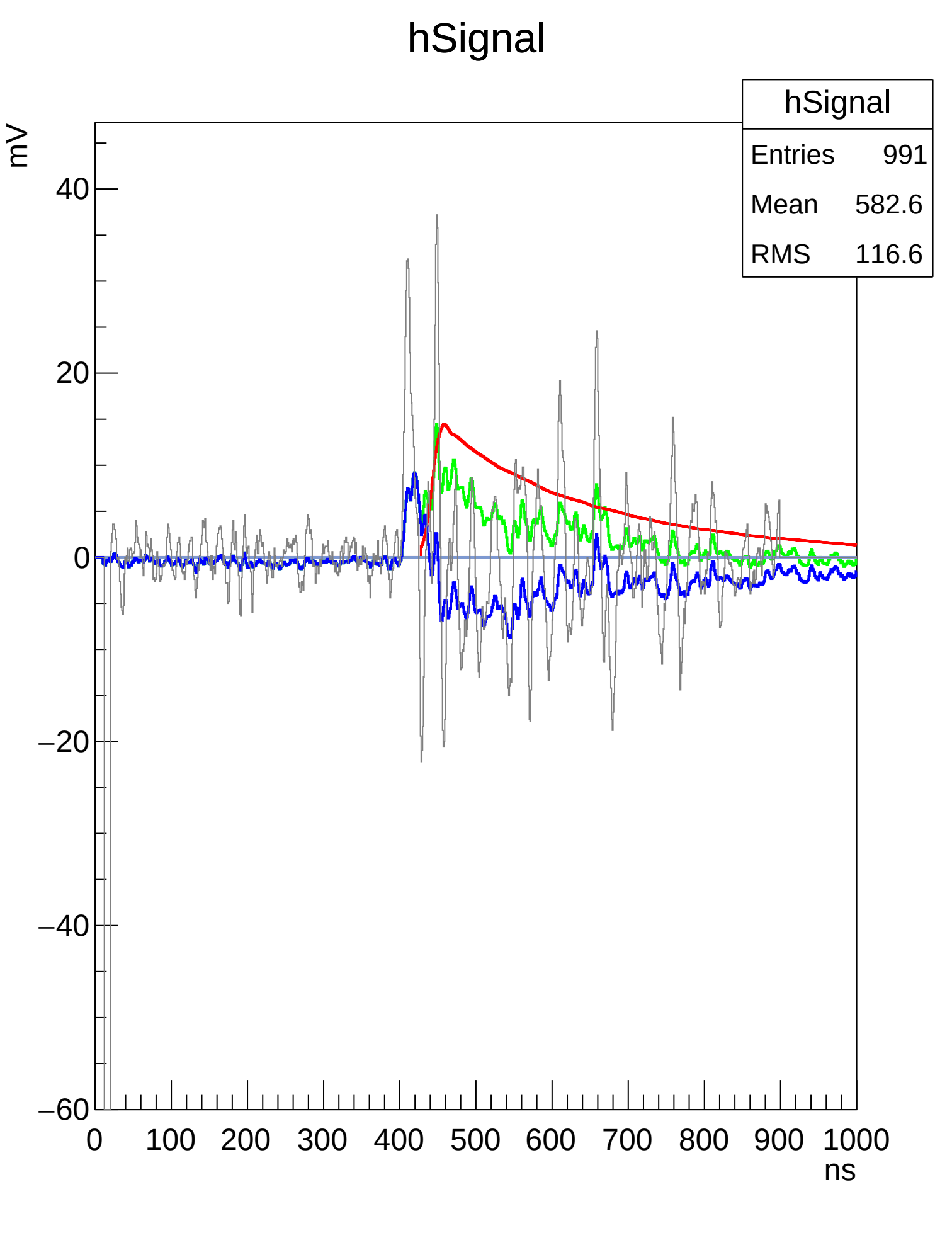
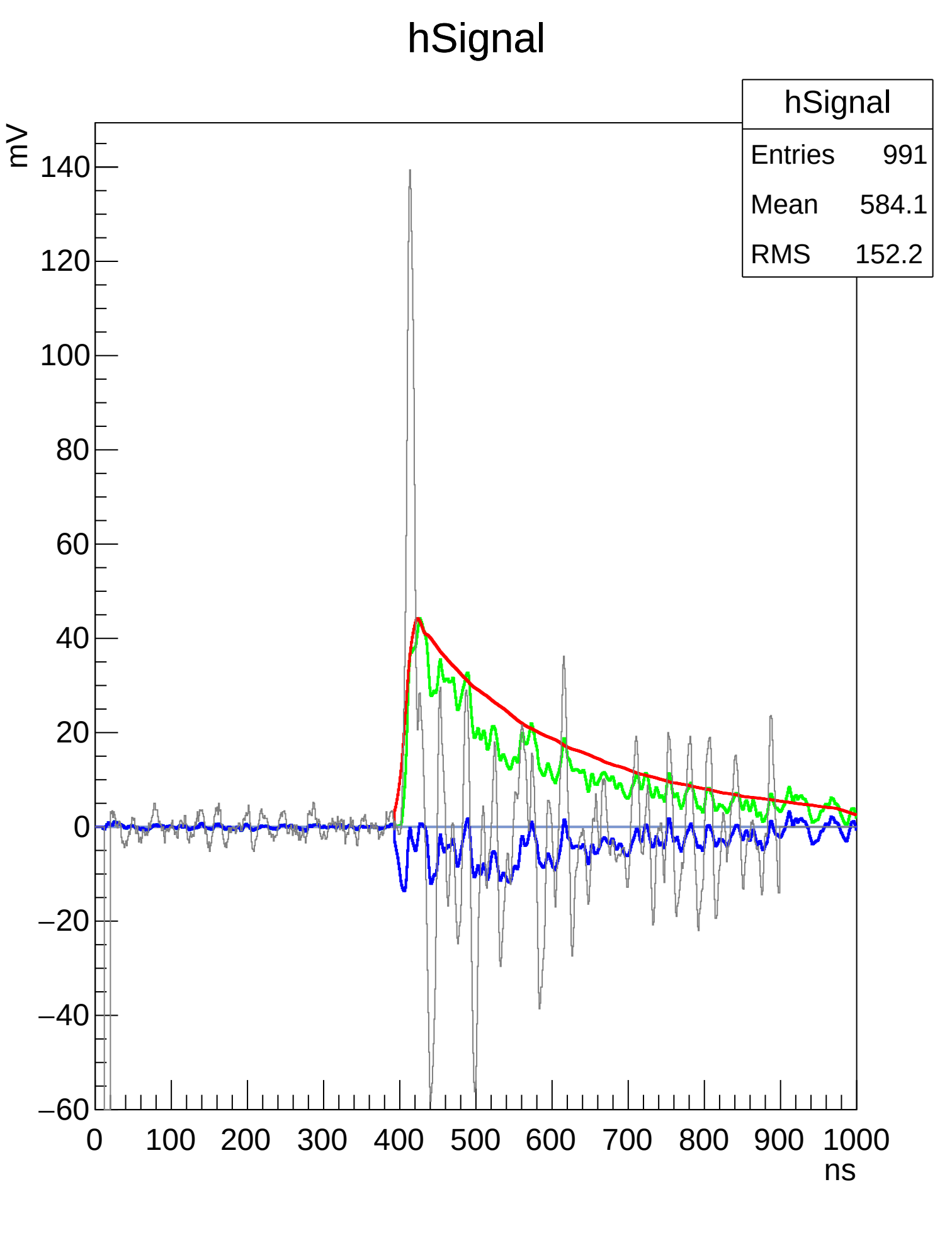
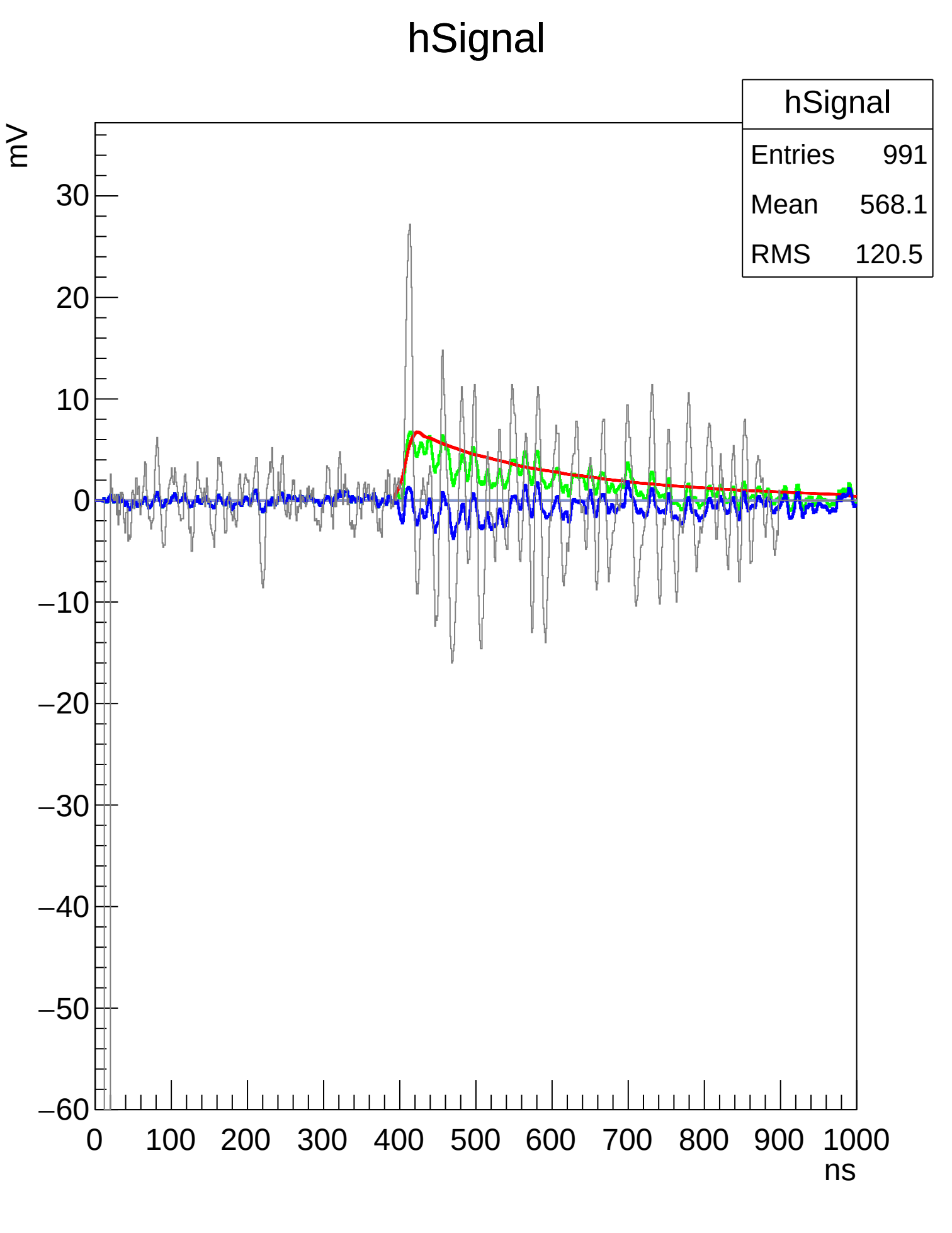
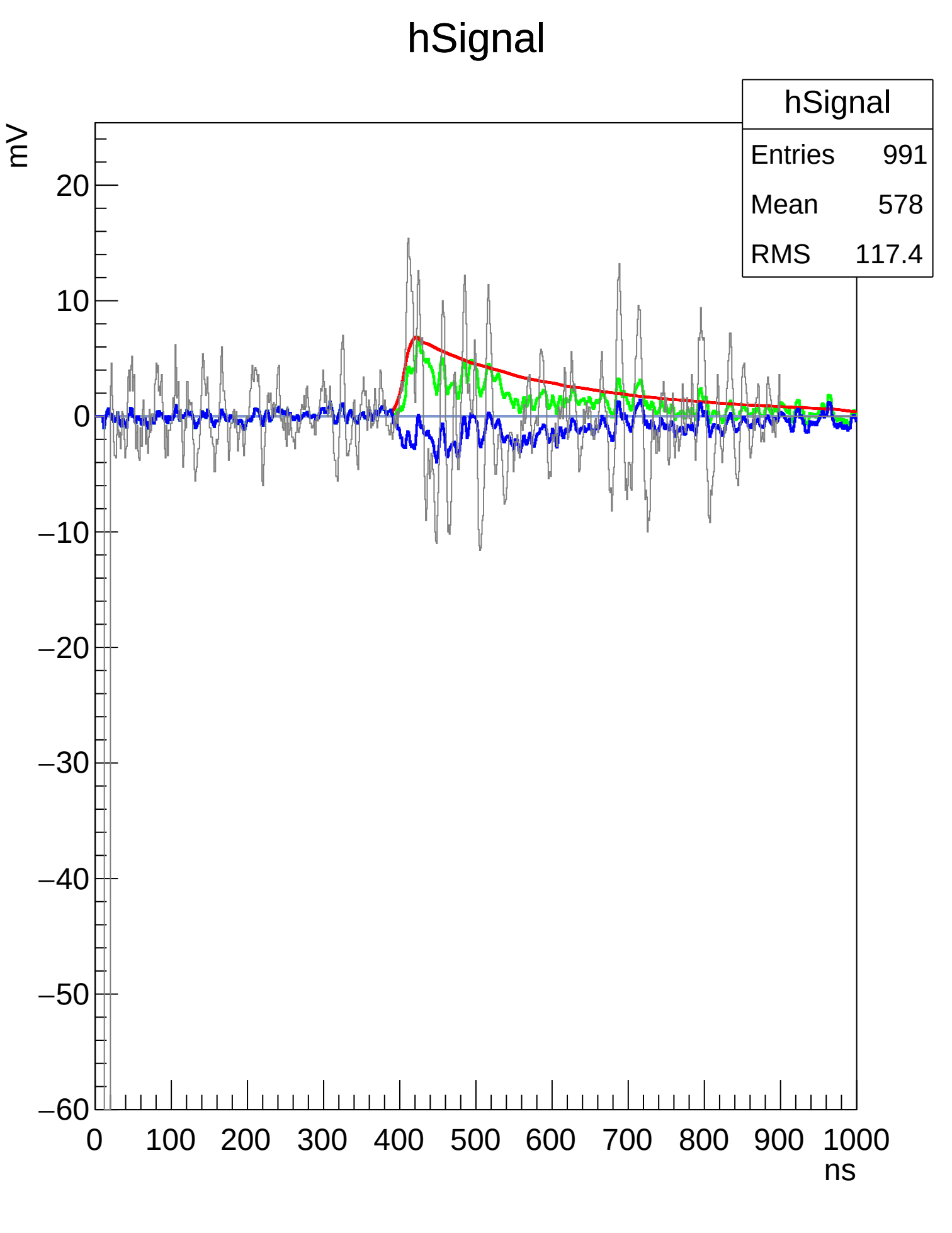
600
700
800
900
1000
ns

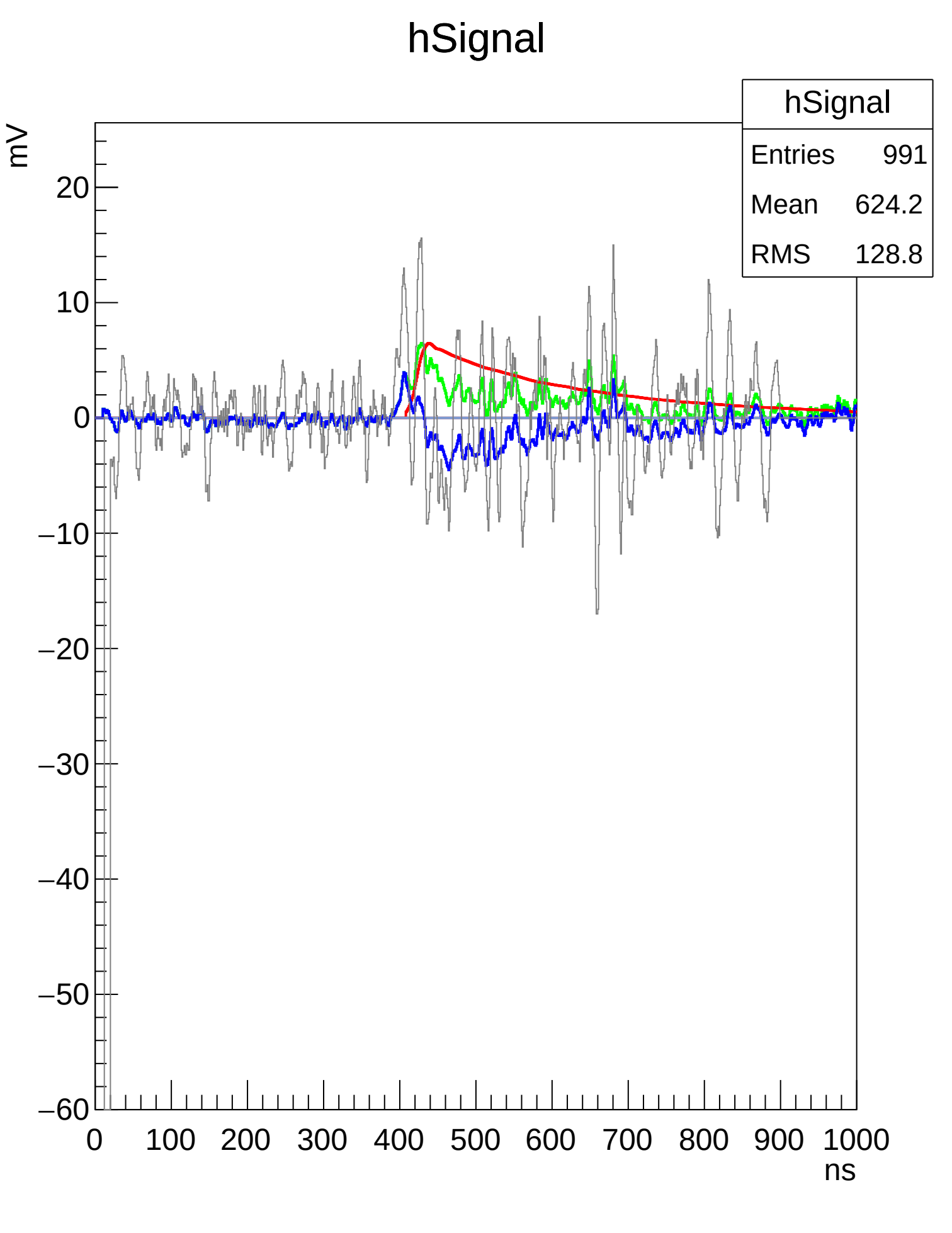

hSignal
hSignal
Entries 991
Mean 587.4
RMS 148.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.6
RMS 116.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 152.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.1
RMS 120.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578
RMS 117.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 624.2
RMS 128.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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600
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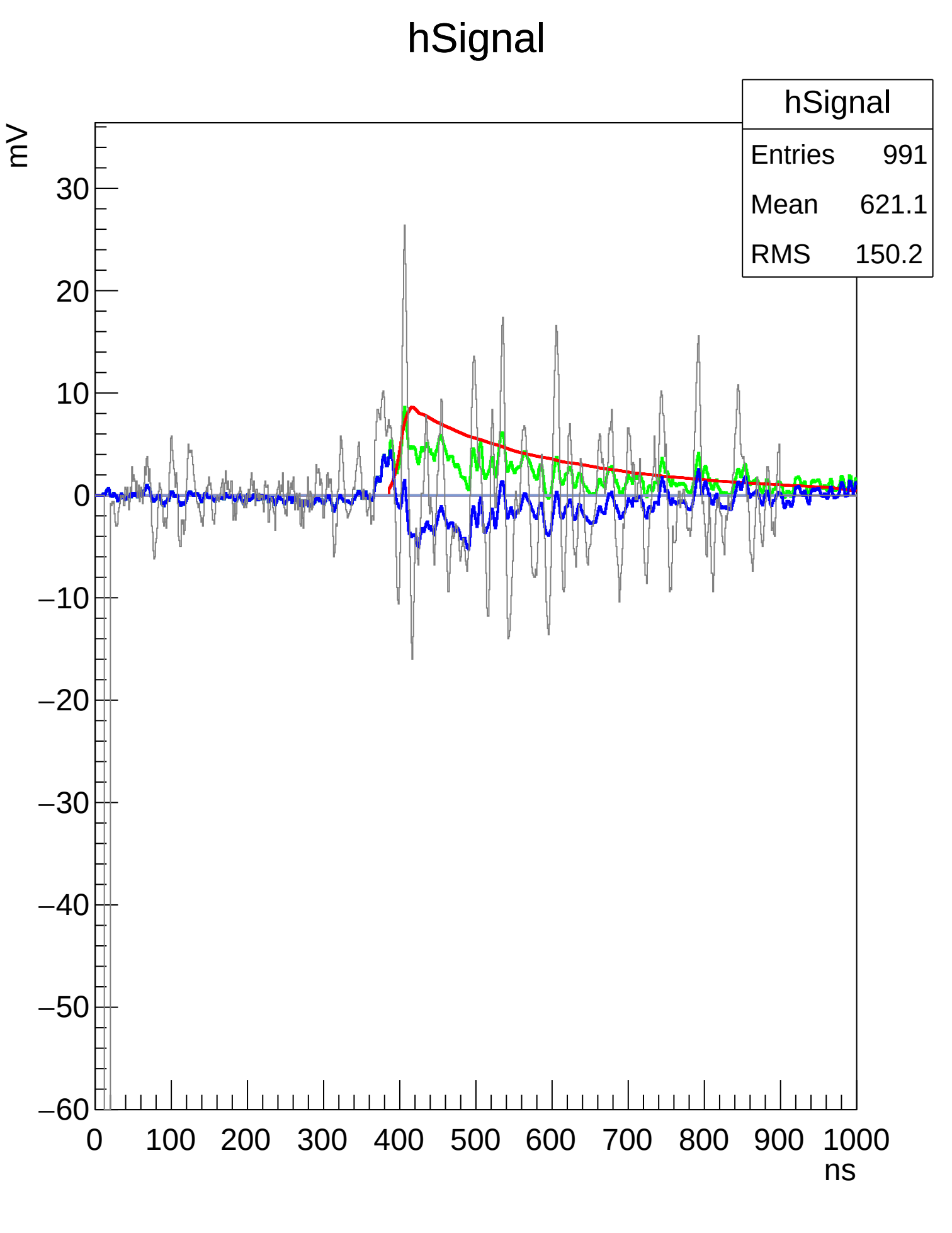
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.1
RMS 150.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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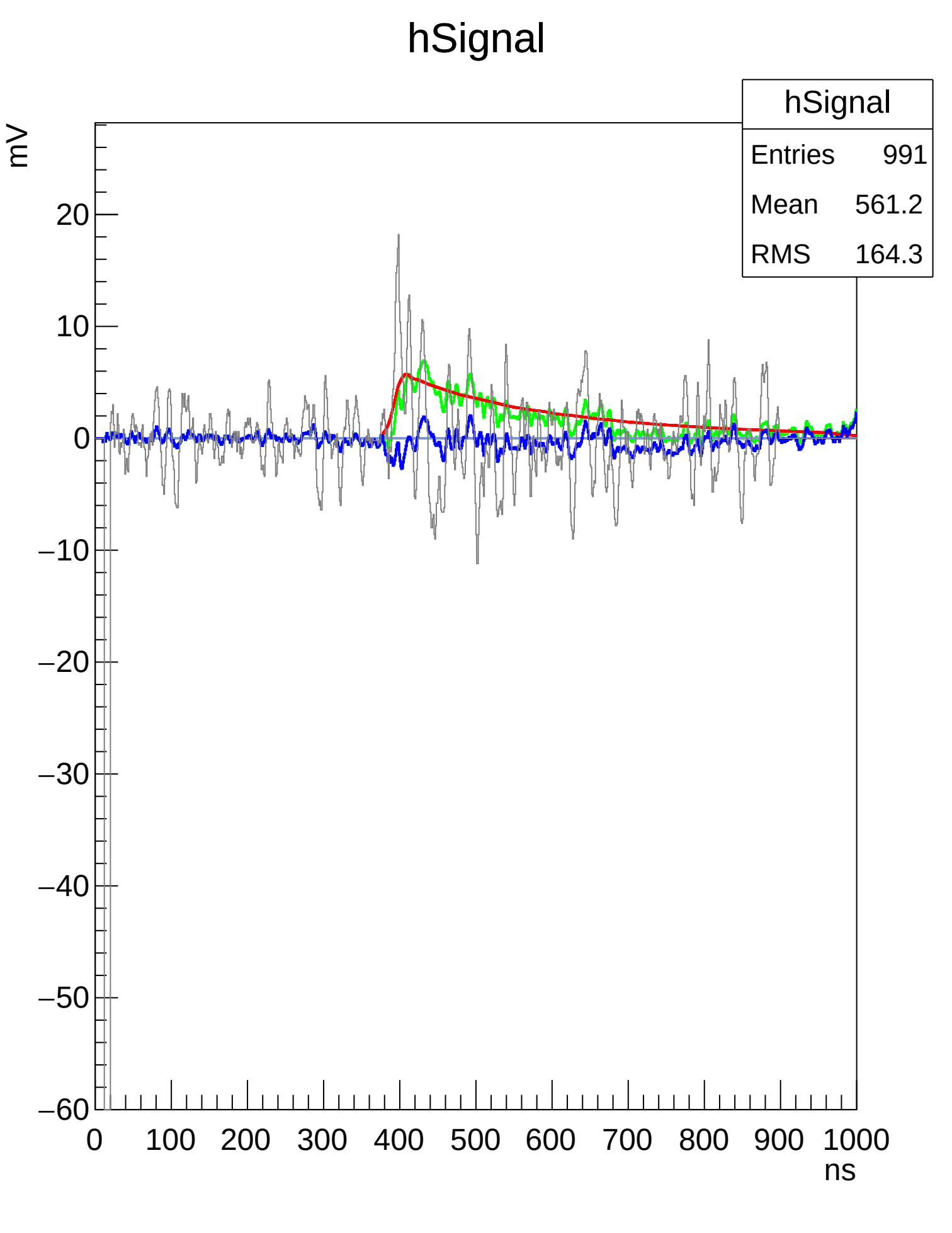
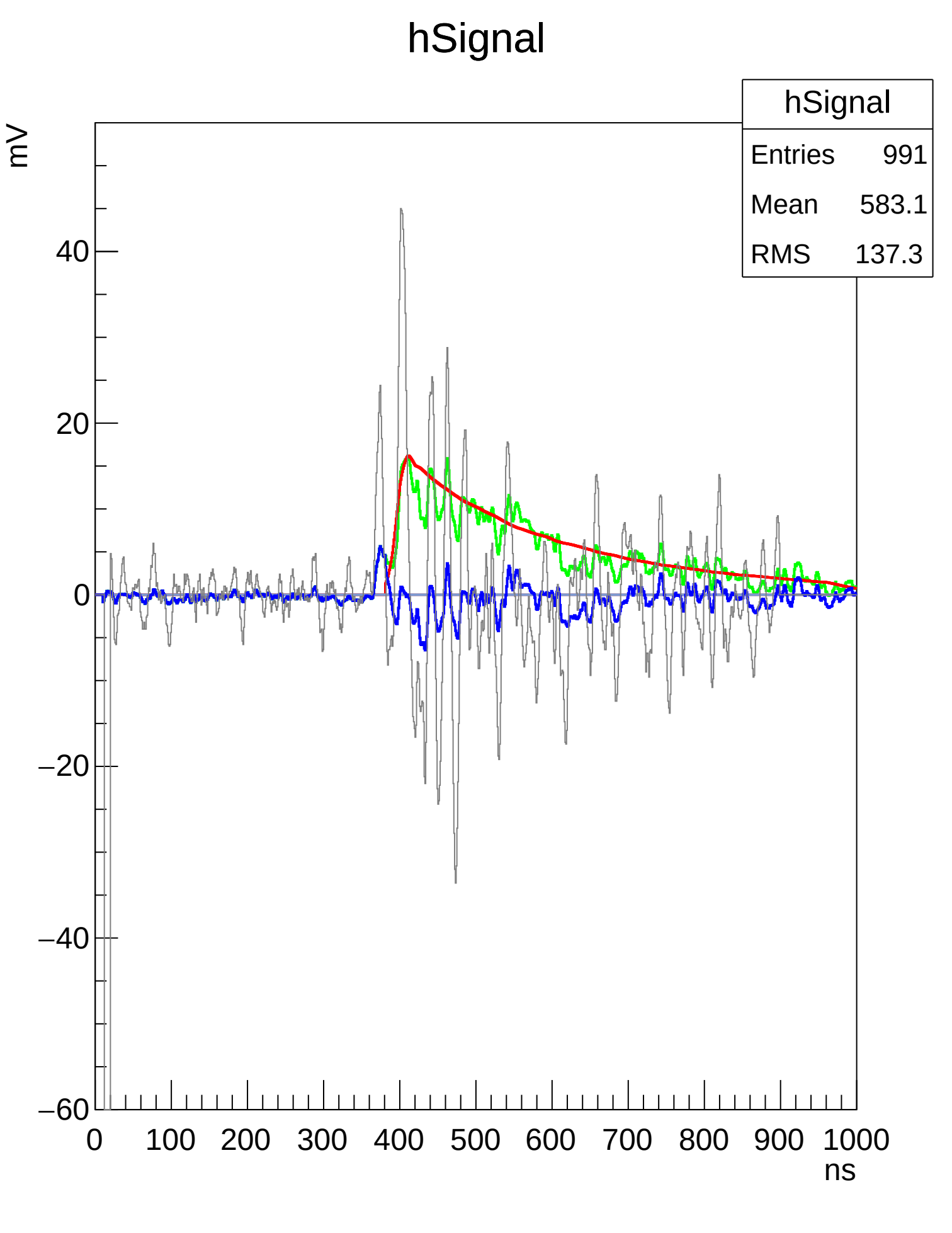
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.2
RMS 164.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.1
RMS 137.3
mV
40
20
0
−20
−40
−60
0
100
200
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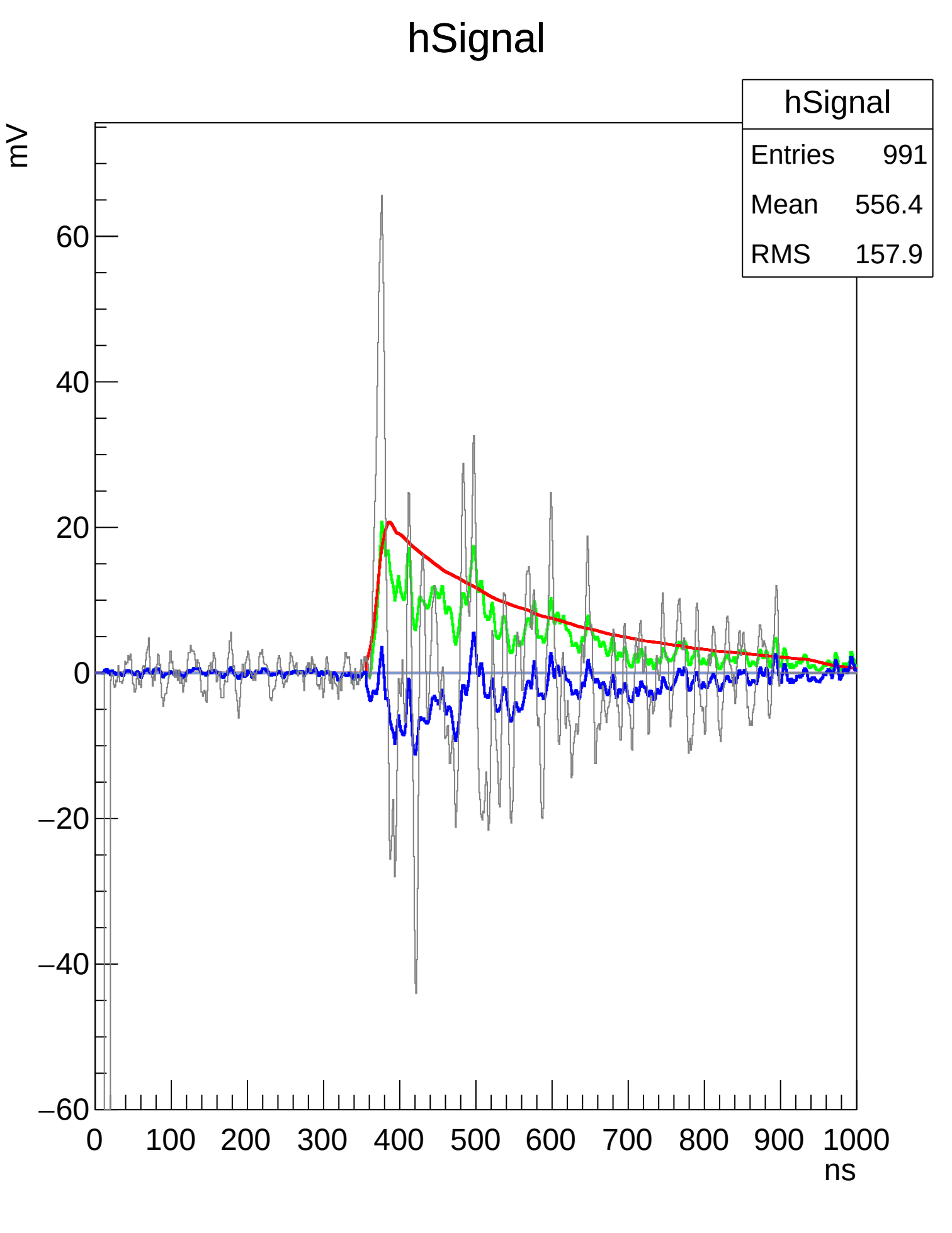
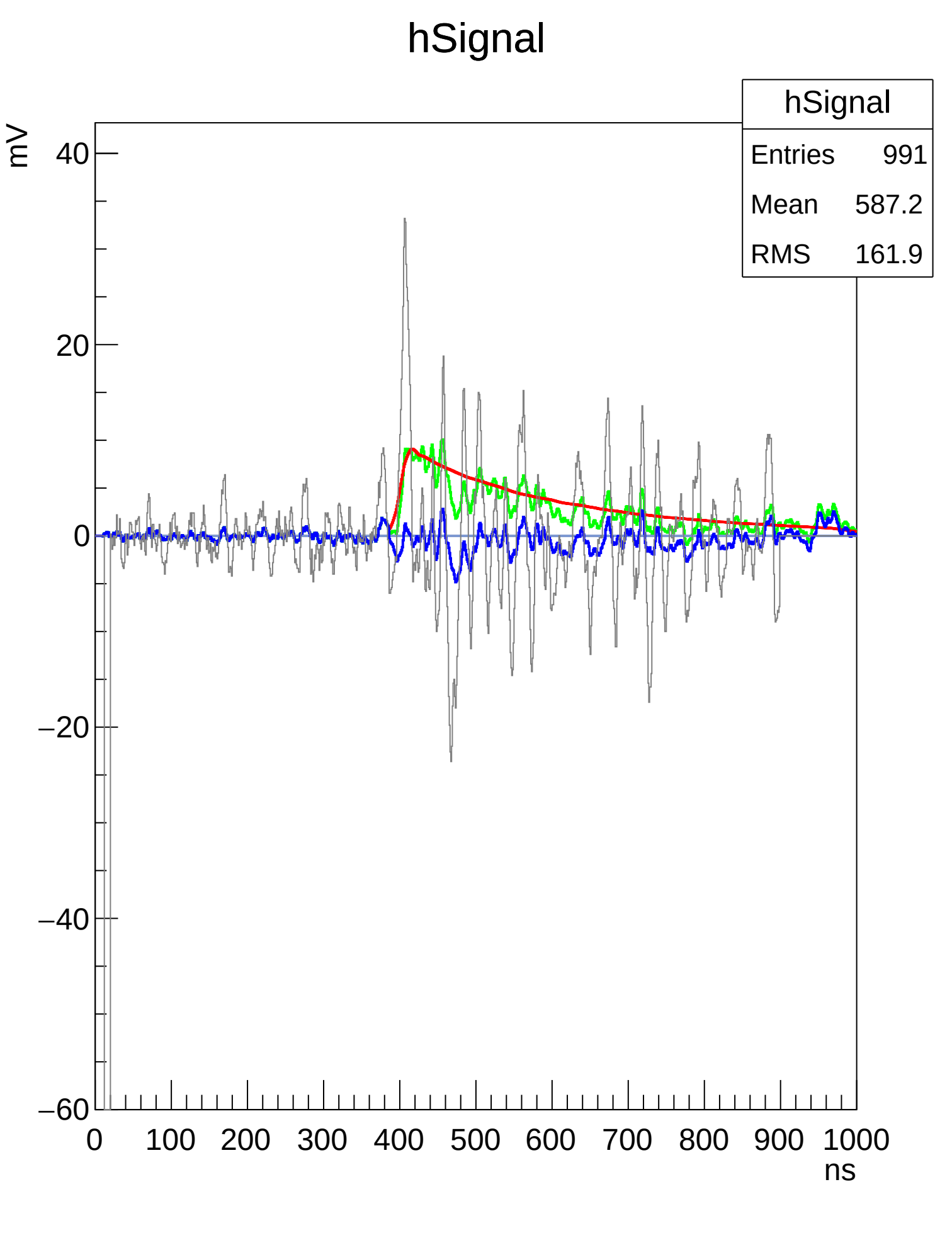
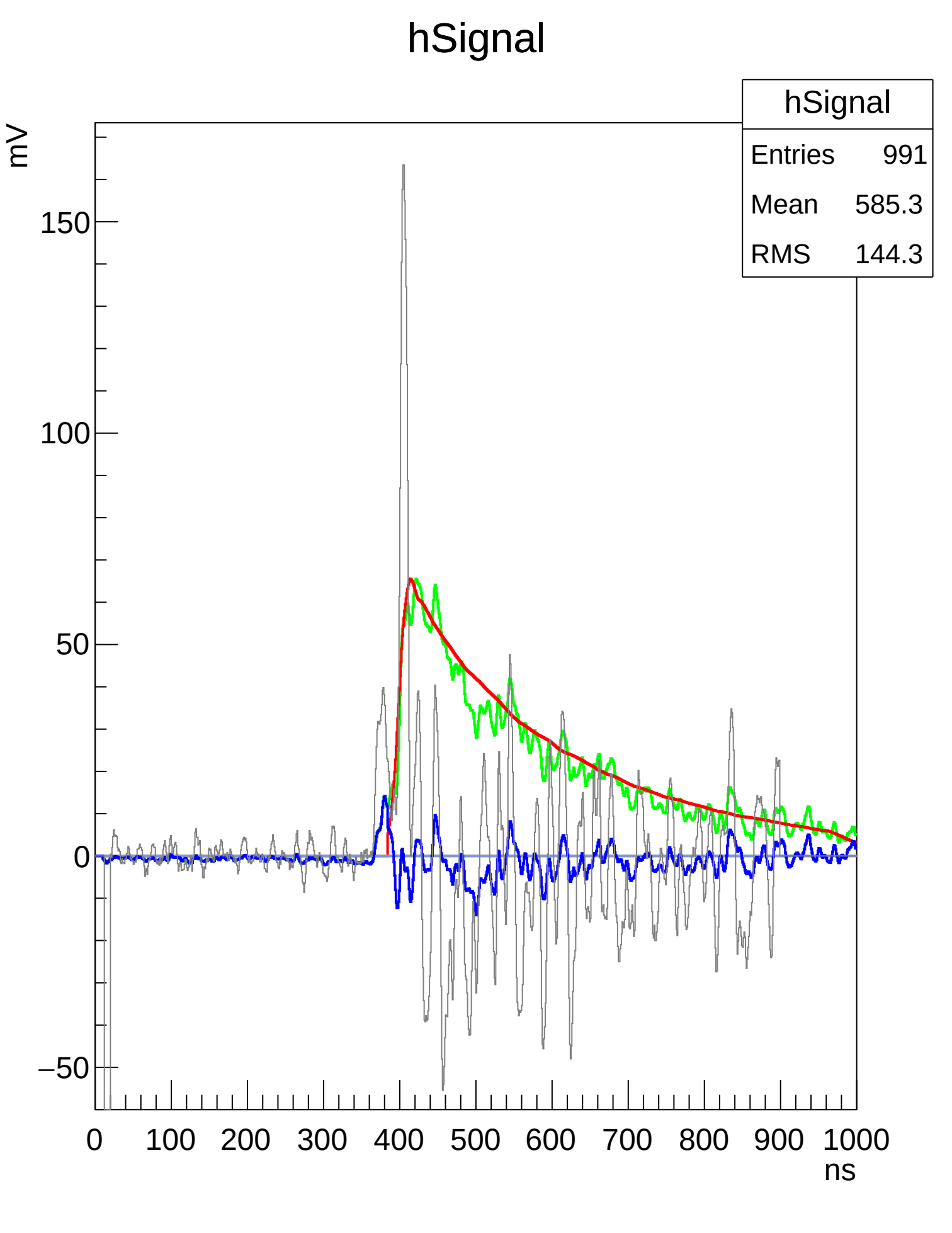
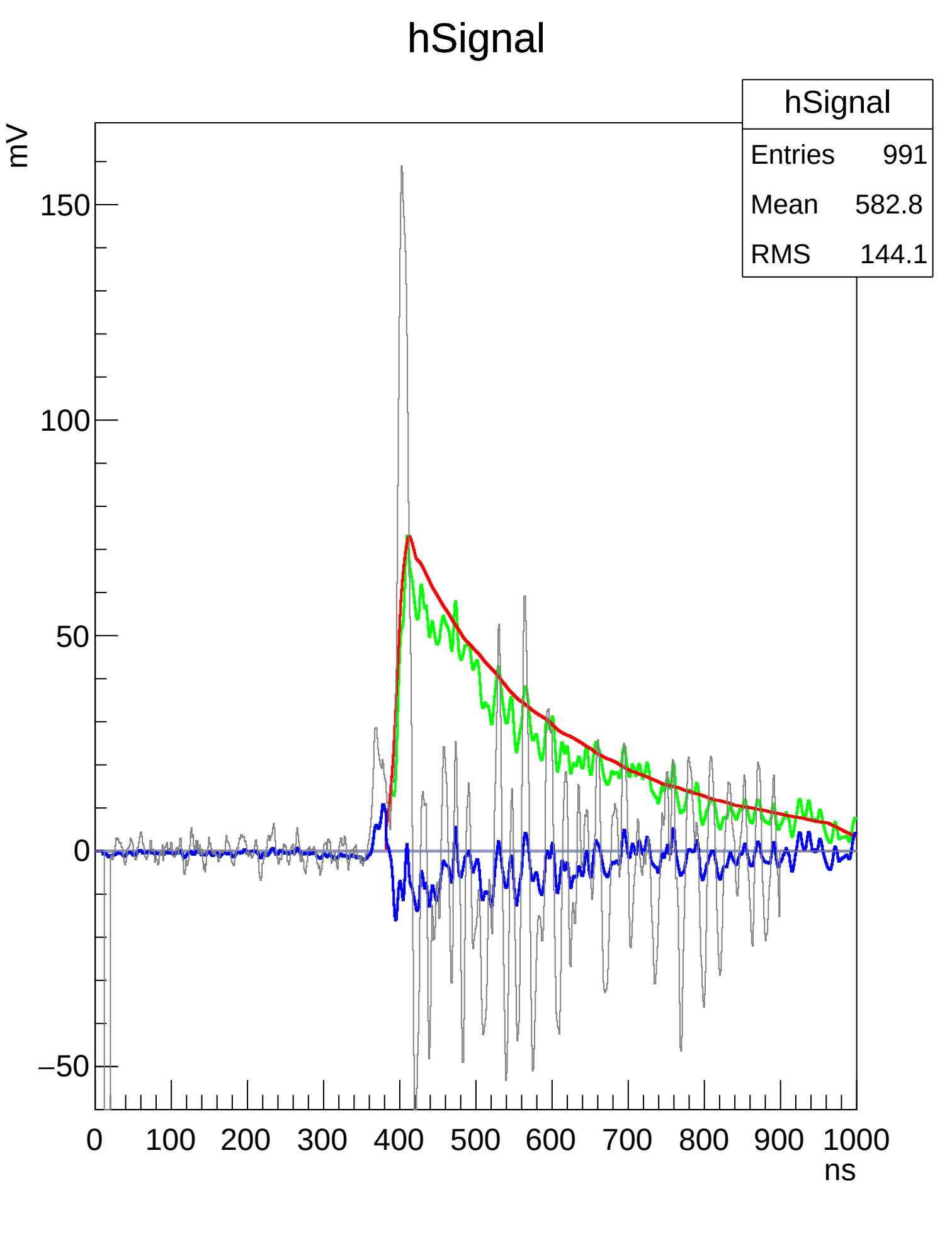
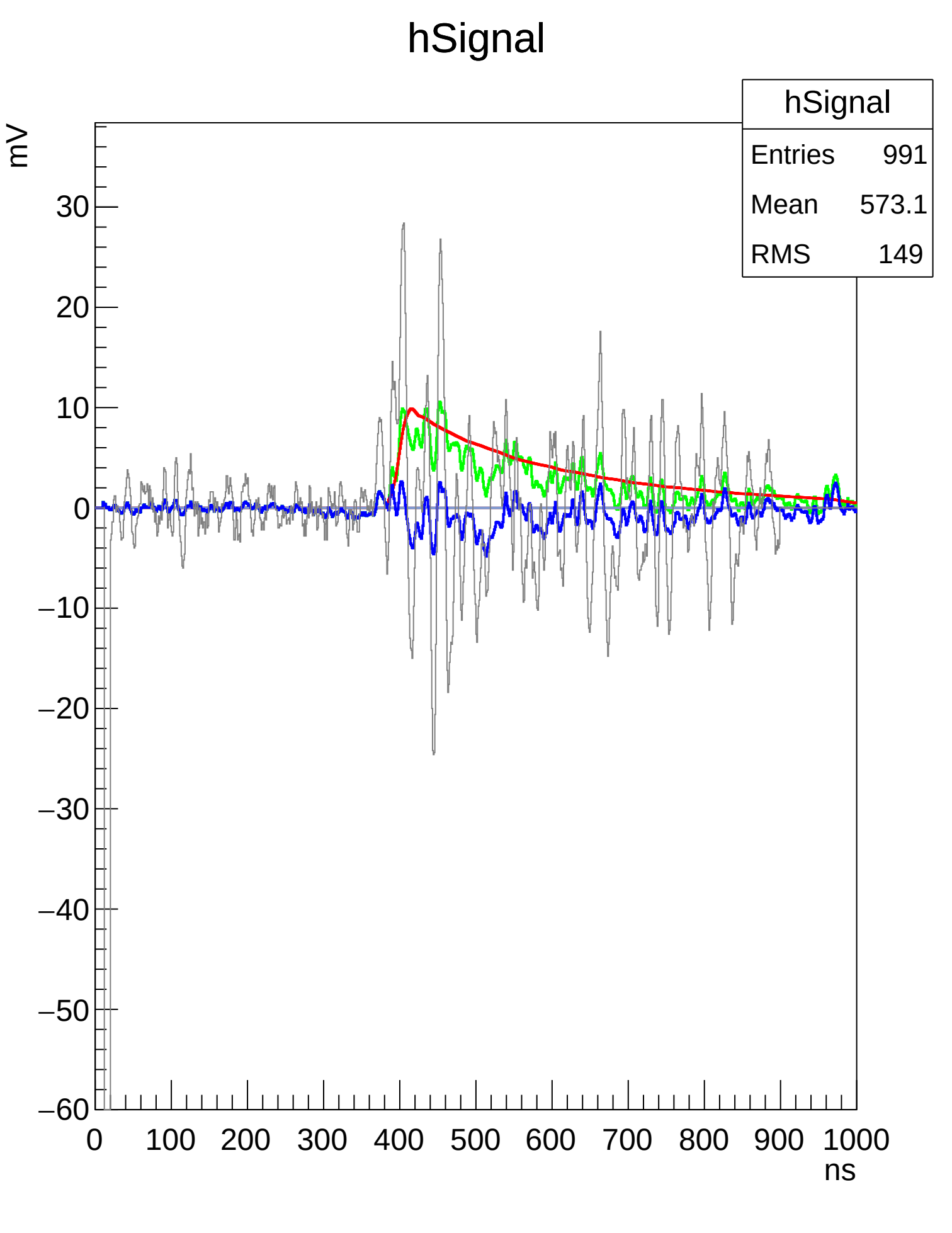
400
500
600
700
800
900
1000
ns

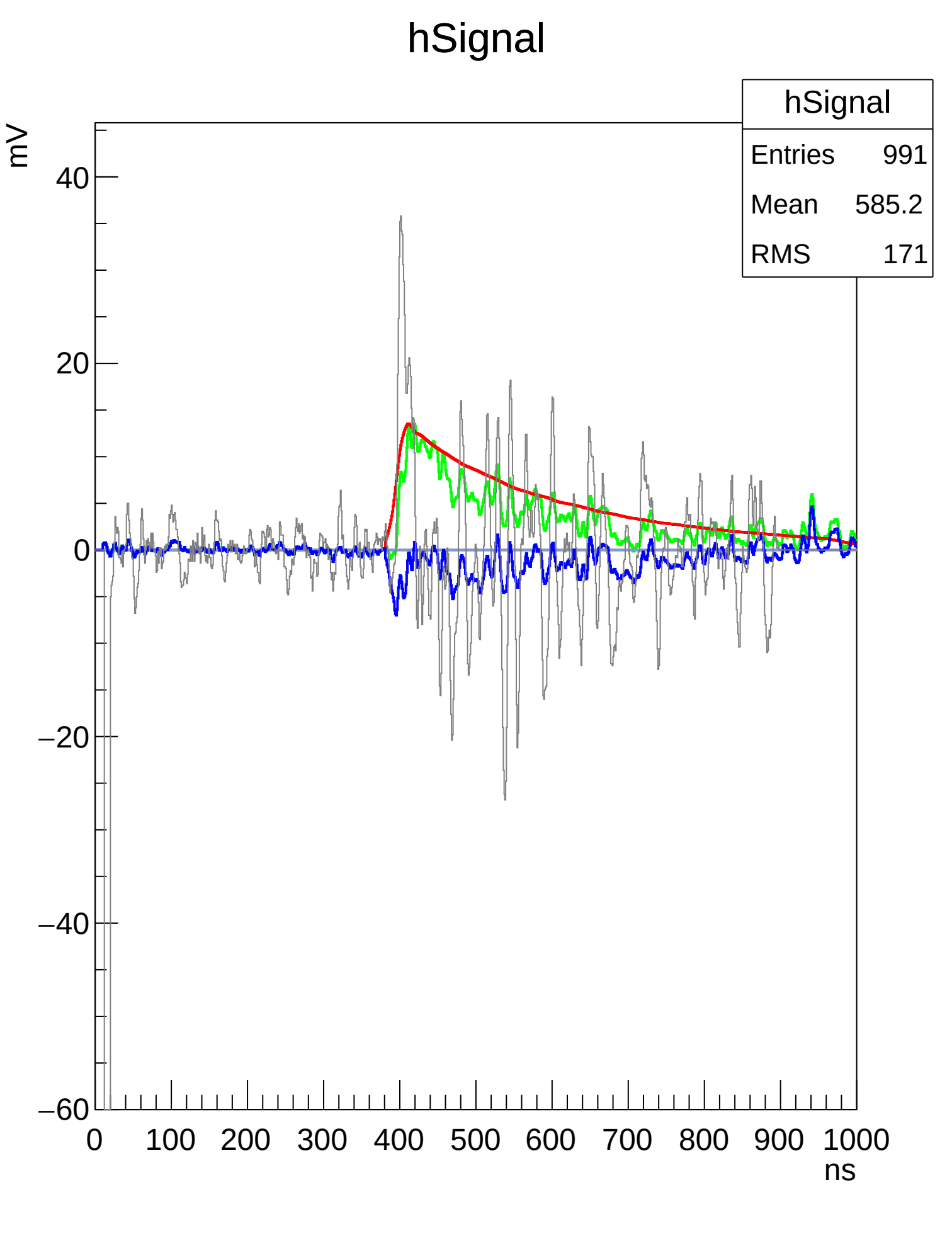

hSignal
hSignal
Entries 991
Mean 556.4
RMS 157.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

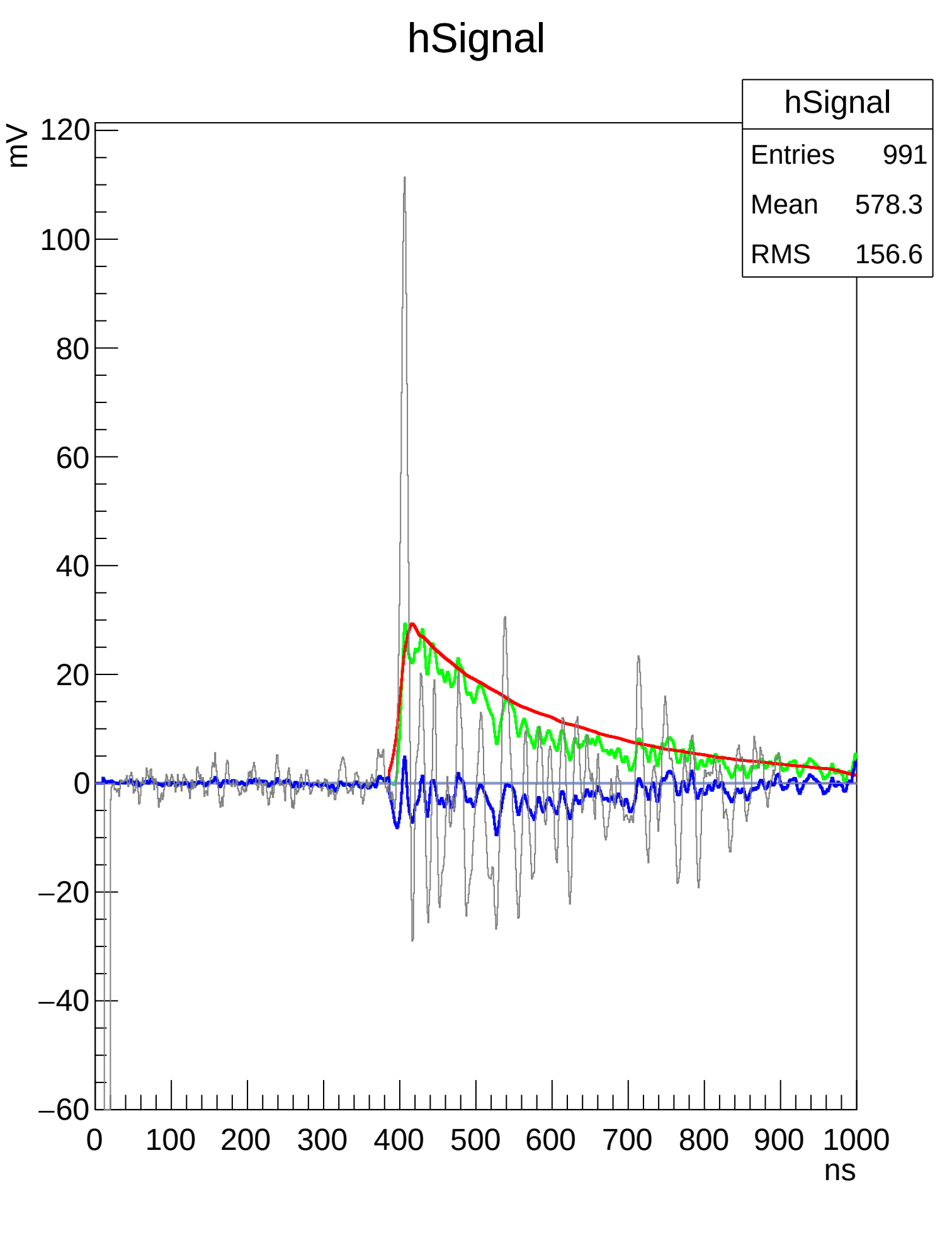

hSignal
hSignal
Entries 991
Mean 587.2
RMS 161.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

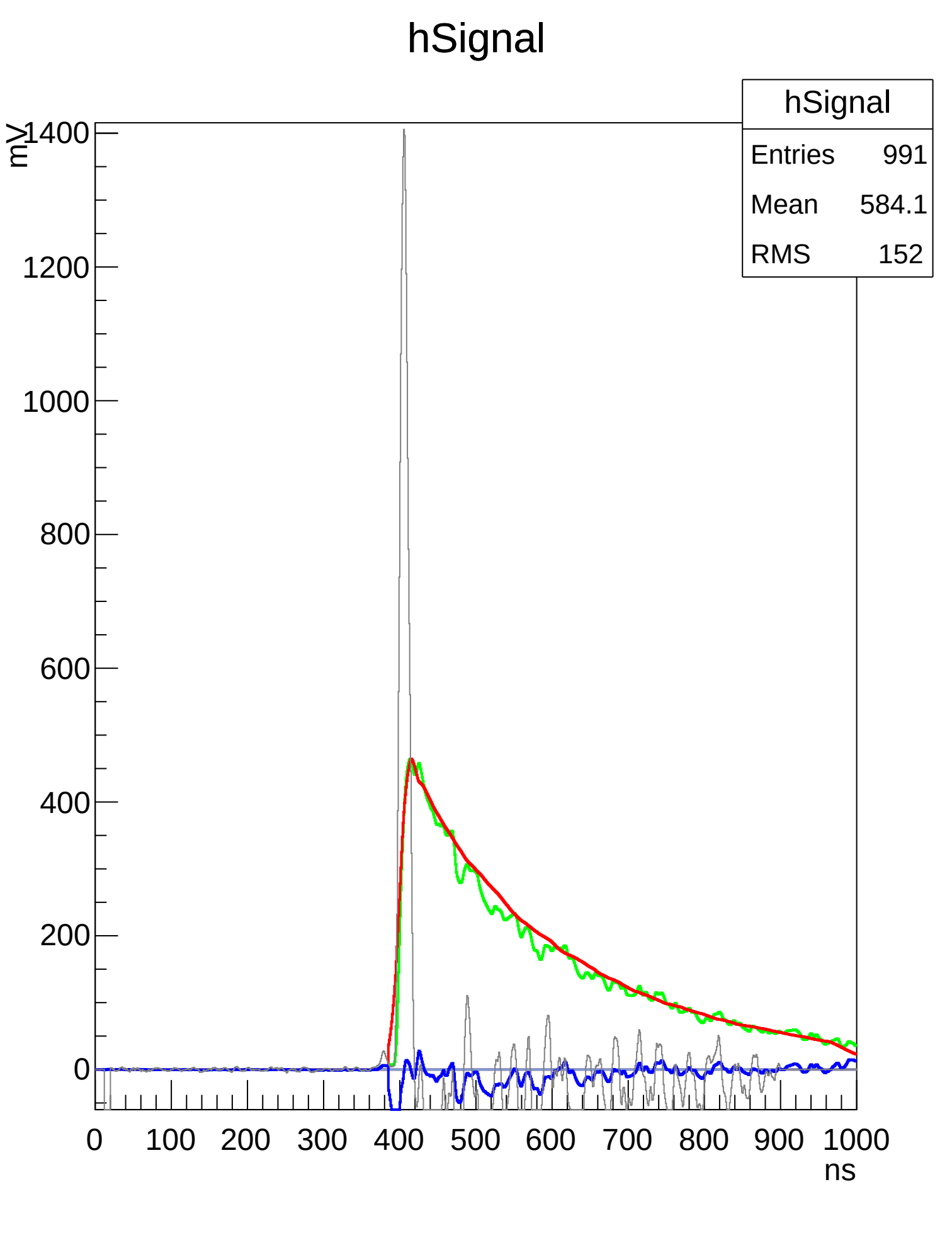

hSignal
hSignal
Entries 991
Mean 585.3
RMS 144.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

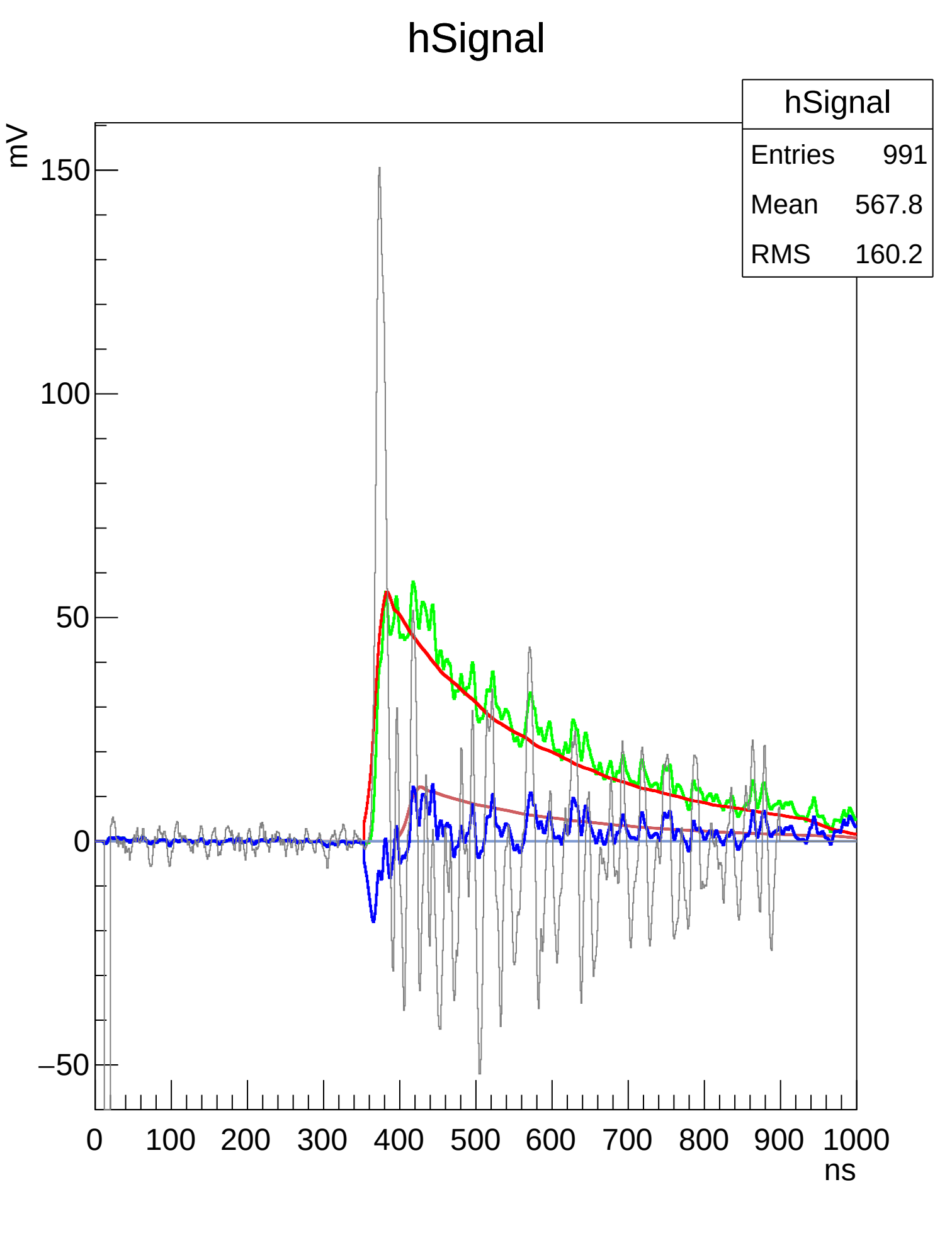

hSignal
hSignal
Entries 991
Mean 582.8
RMS 144.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

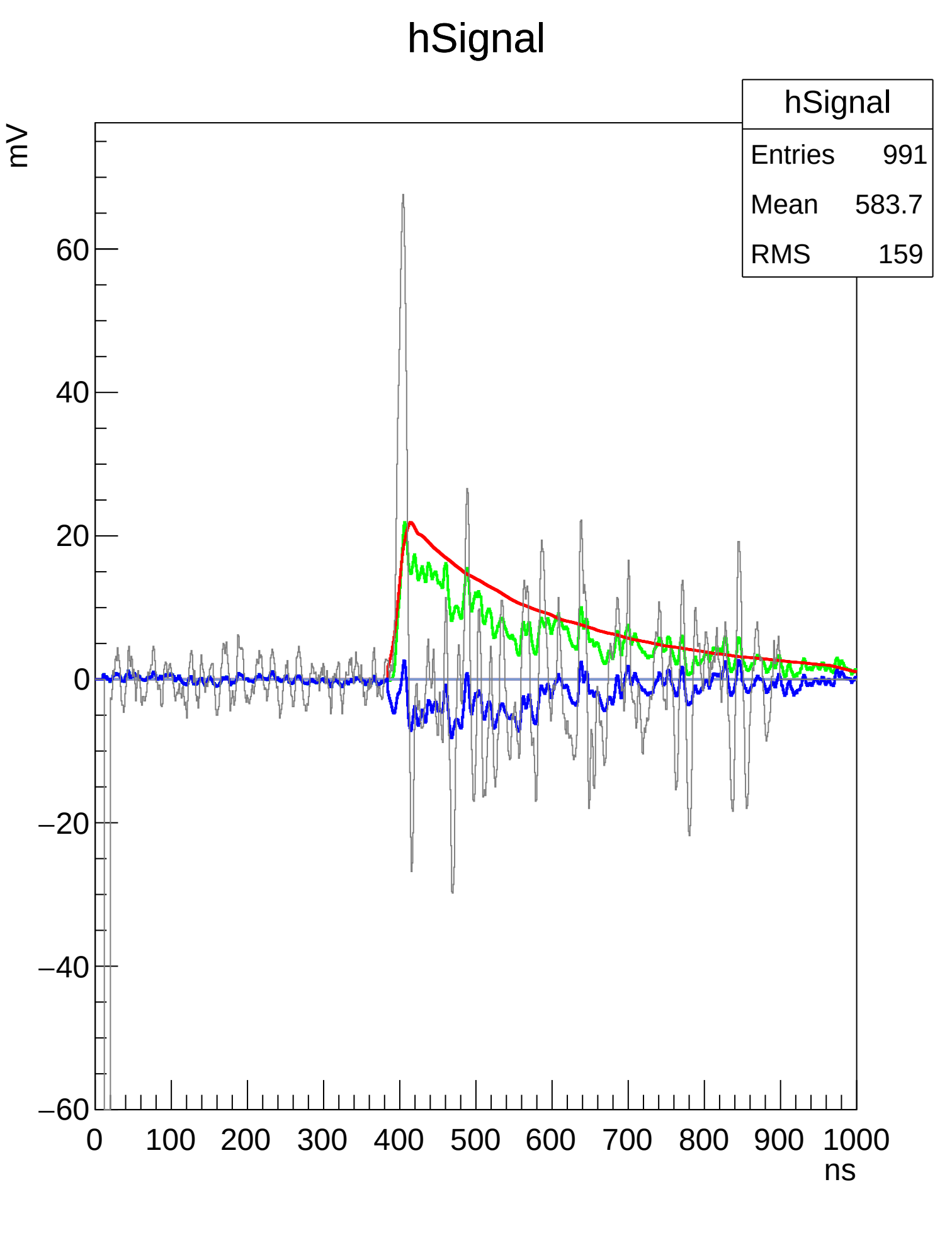

hSignal
hSignal
Entries 991
Mean 573.1
RMS 149
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

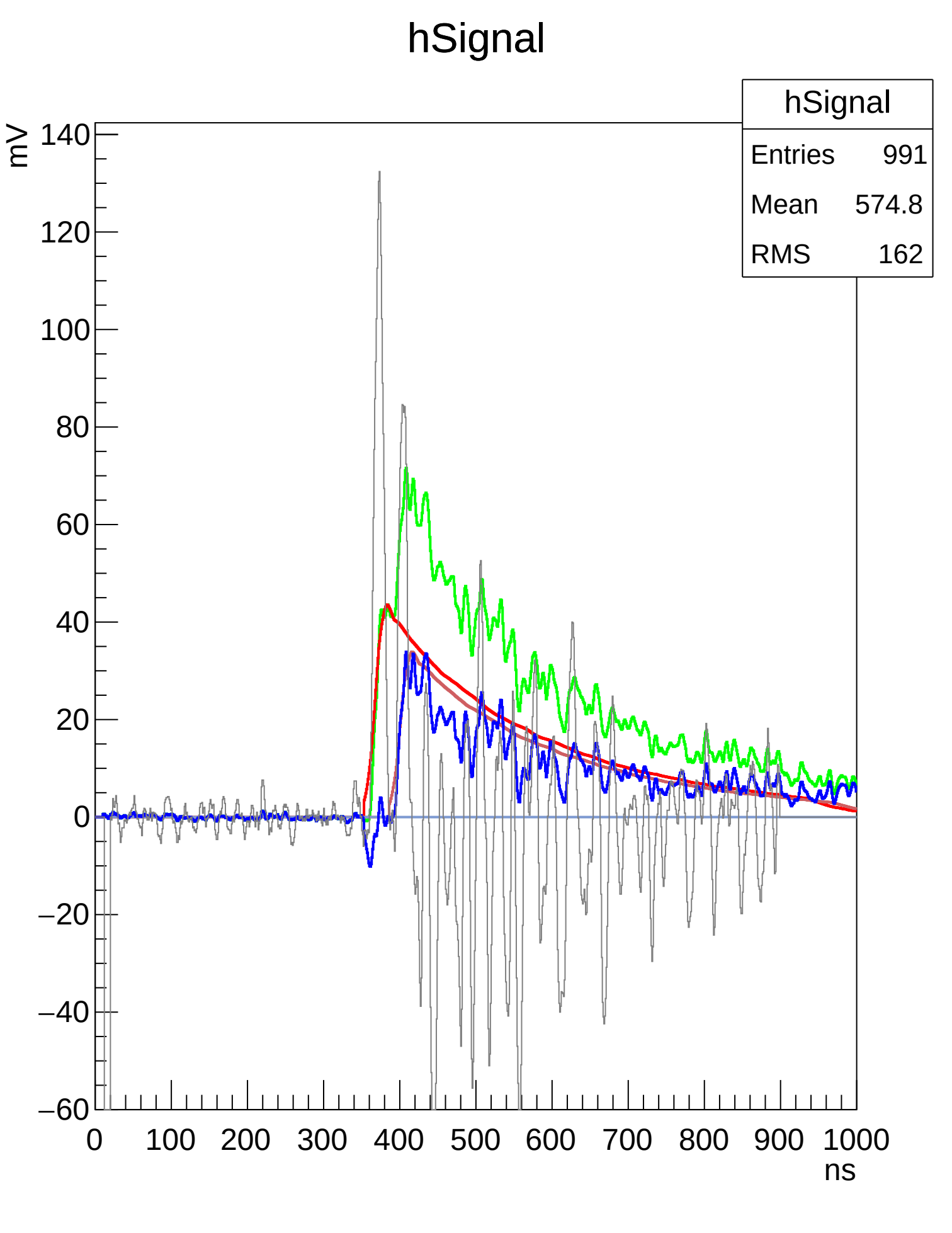

hSignal
hSignal
Entries 991
Mean 585.2
RMS 171
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

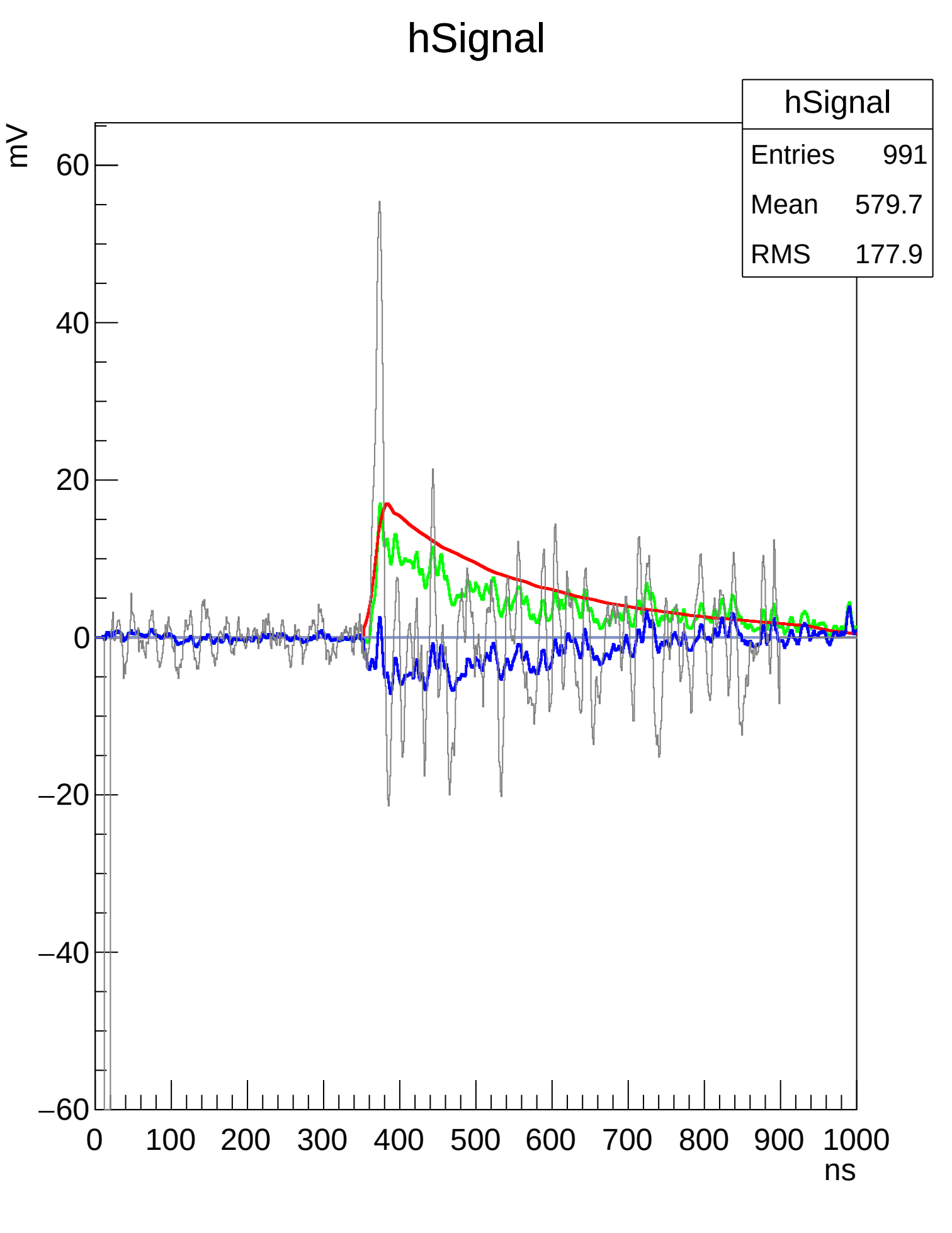

hSignal
hSignal
Entries 991
Mean 578.3
RMS 156.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

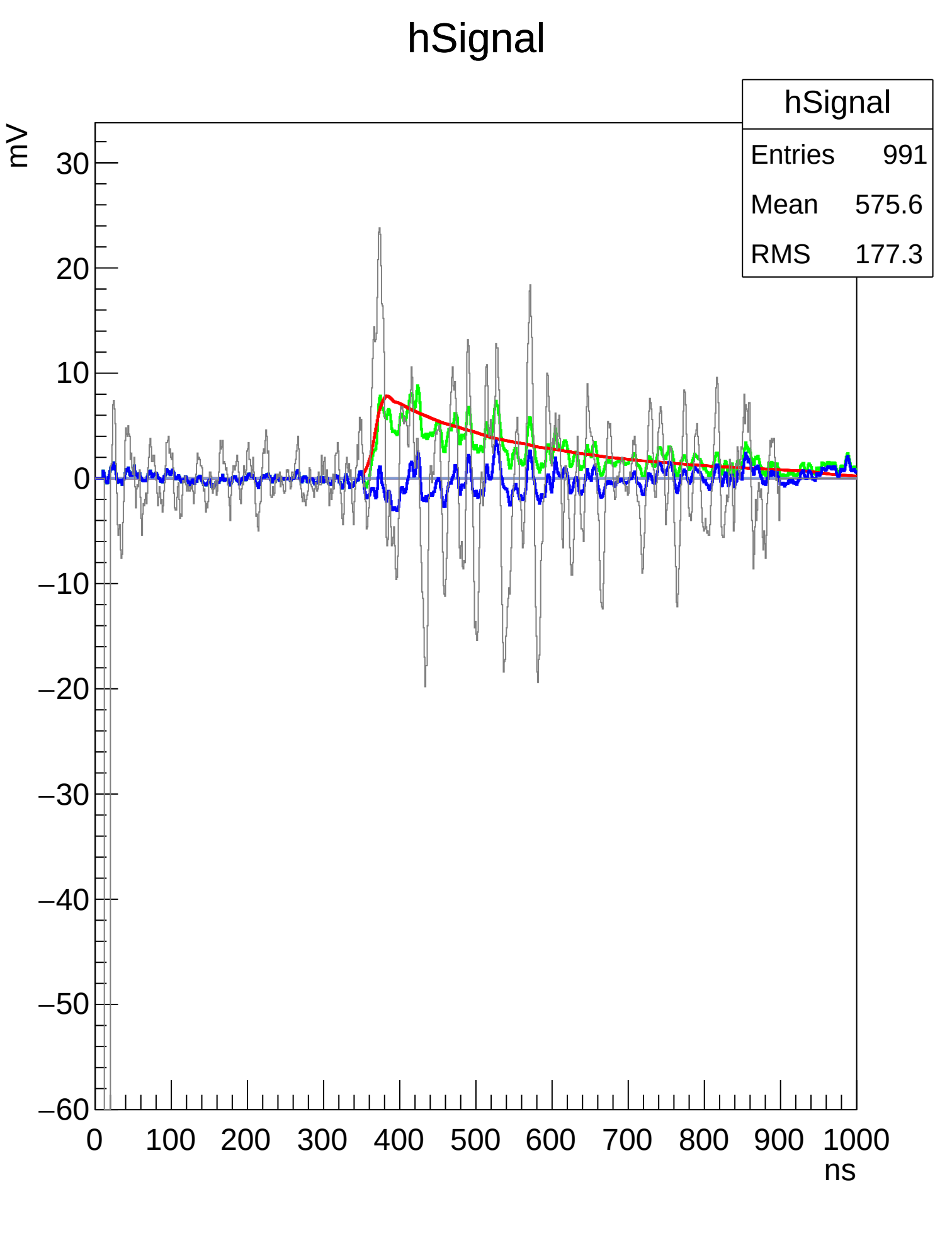

hSignal
hSignal
Entries 991
Mean 584.1
RMS 152
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

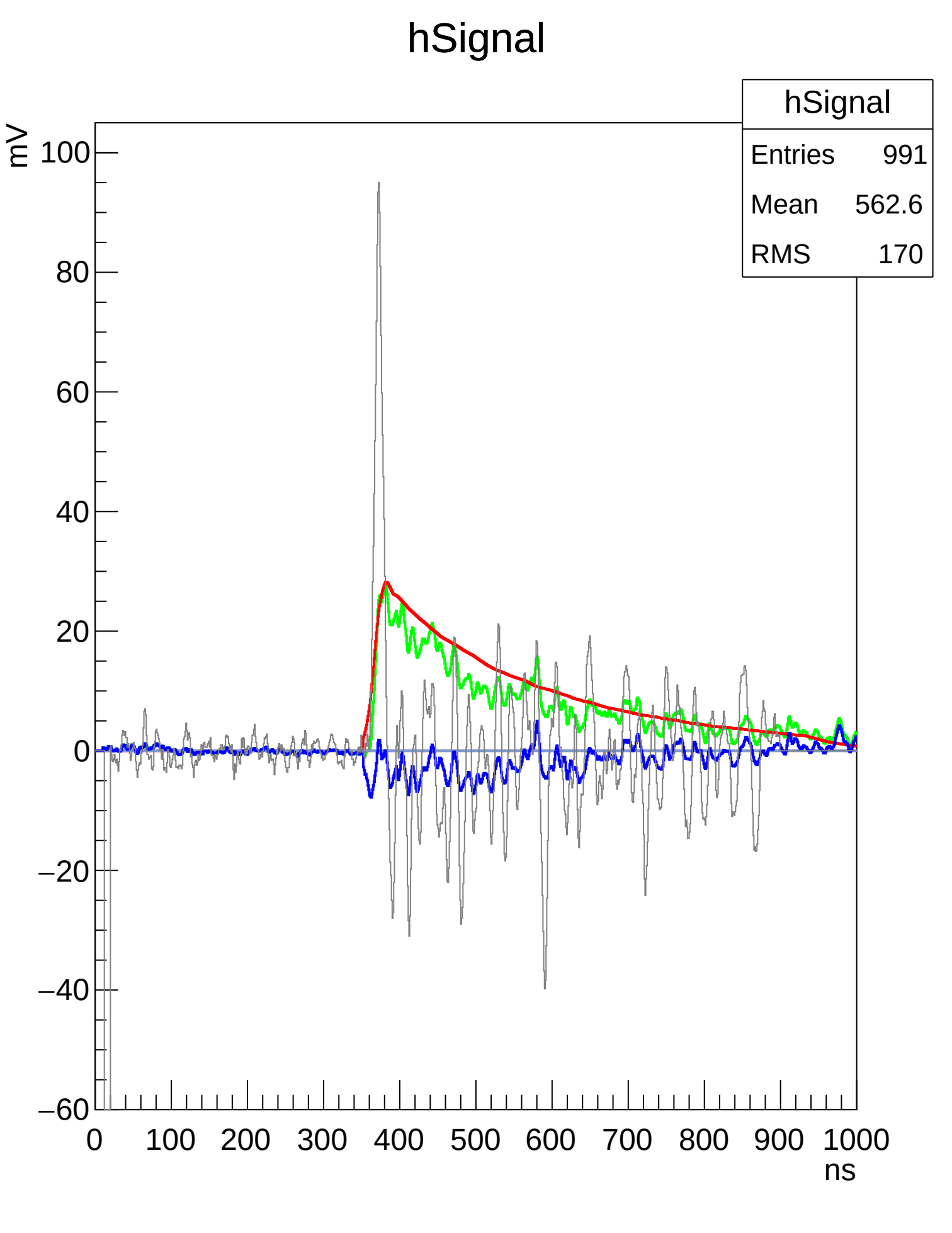

hSignal
hSignal
Entries 991
Mean 567.8
RMS 160.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

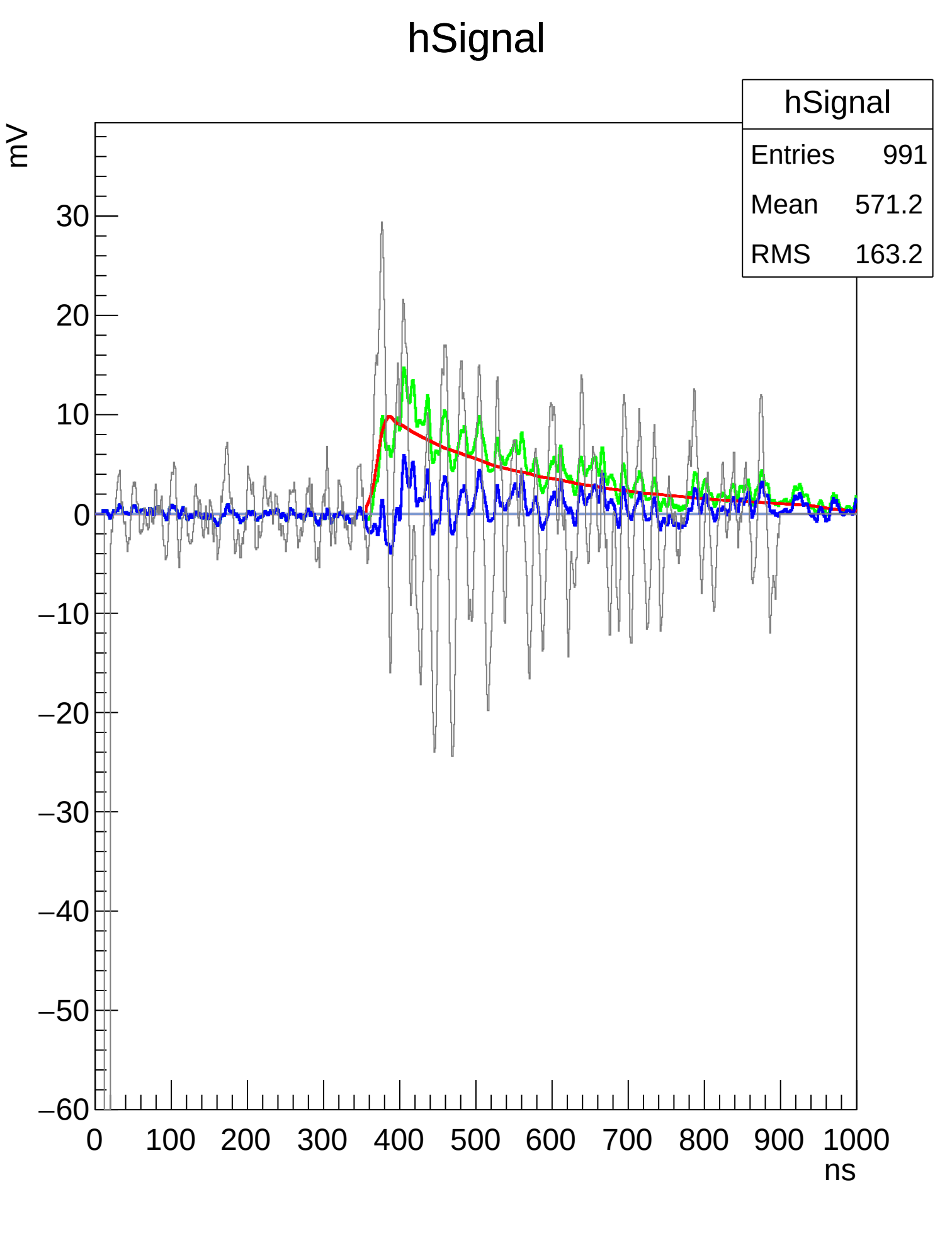

hSignal
hSignal
Entries 991
Mean 583.7
RMS 159
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

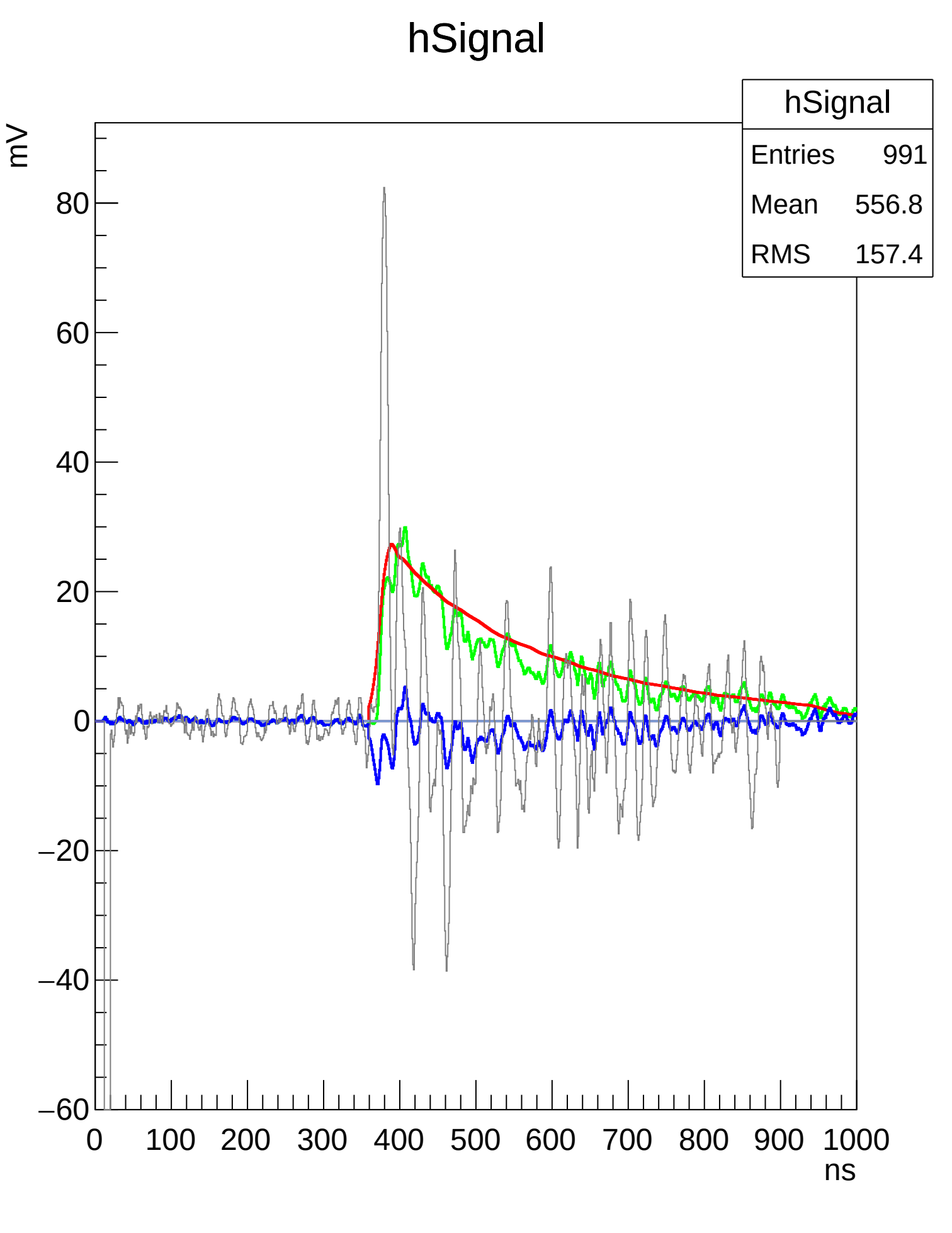

hSignal
hSignal
Entries 991
Mean 574.8
RMS 162
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

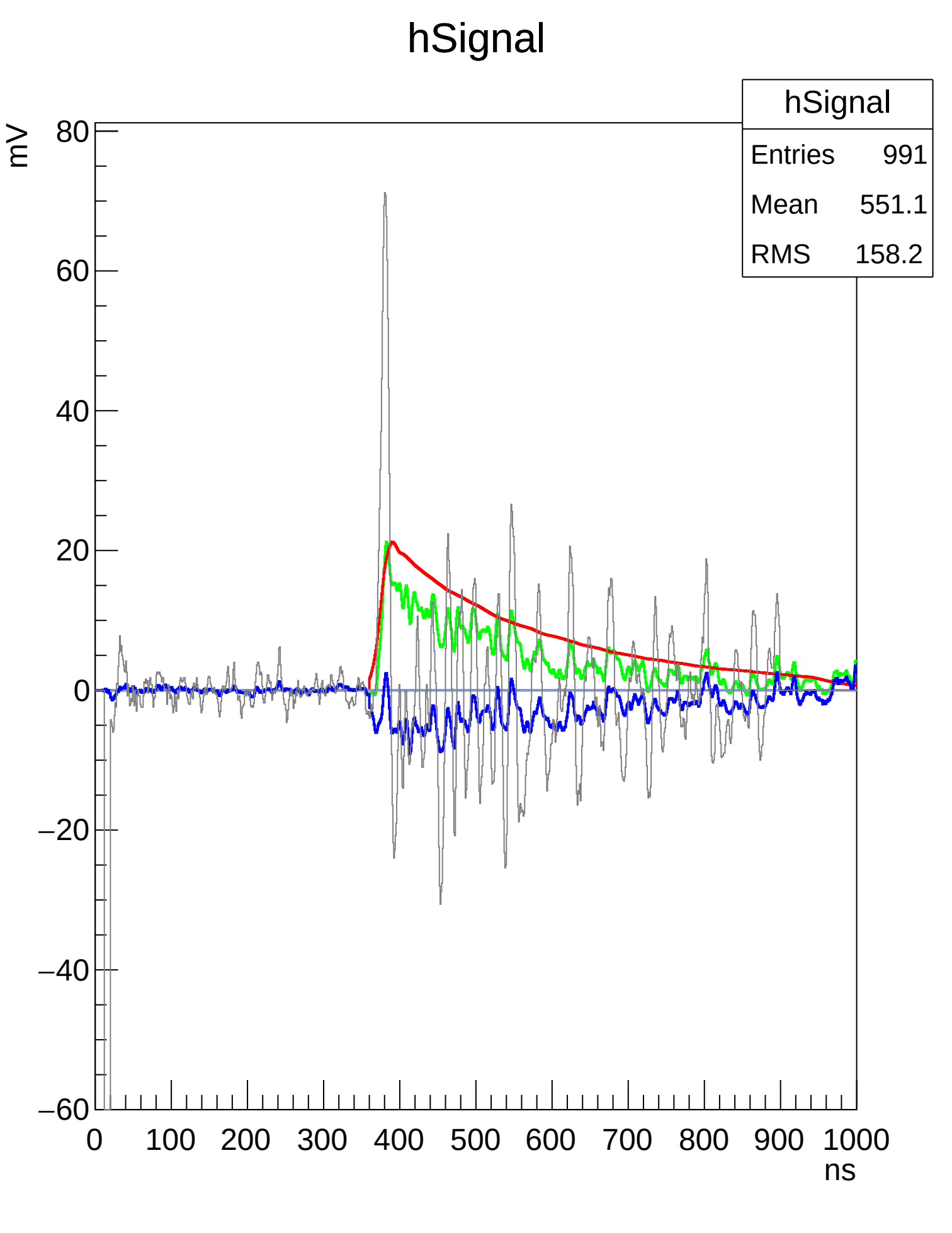

hSignal
hSignal
Entries 991
Mean 579.7
RMS 177.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

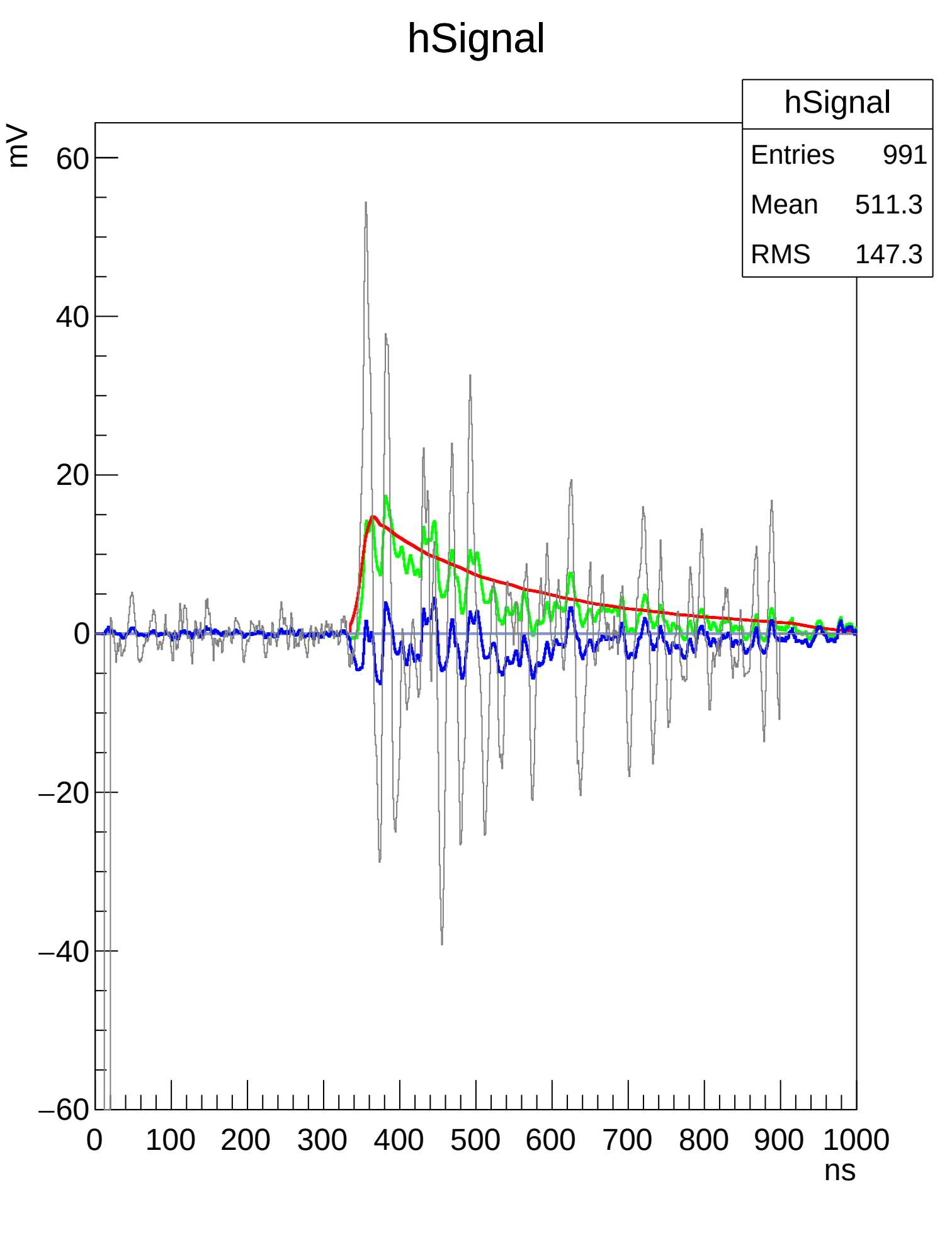

hSignal
hSignal
Entries 991
Mean 575.6
RMS 177.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.6
RMS 170
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.2
RMS 163.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.8
RMS 157.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.1
RMS 158.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.3
RMS 147.3
mV
60
40
20
0
−20
−40
−60
0
100
200
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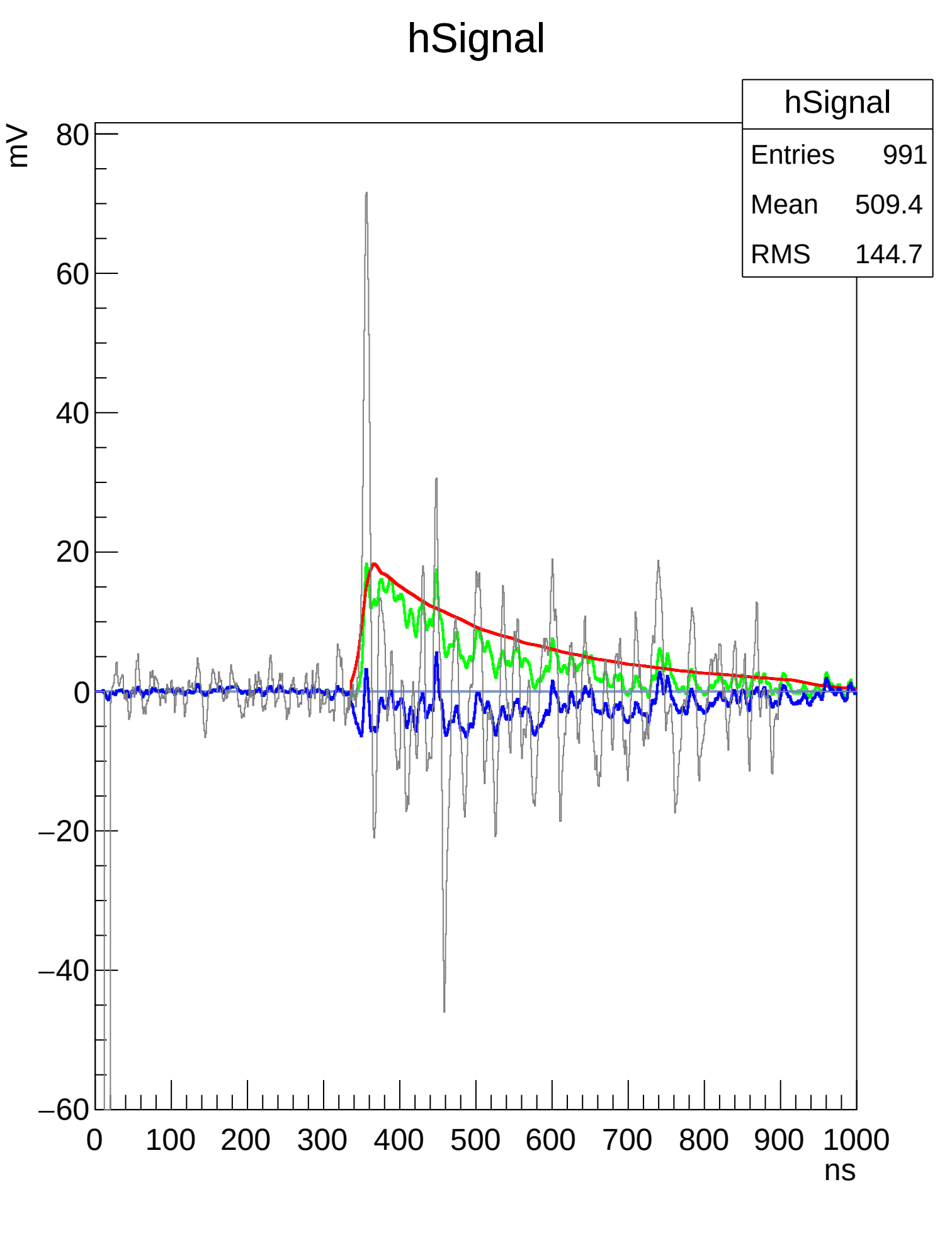
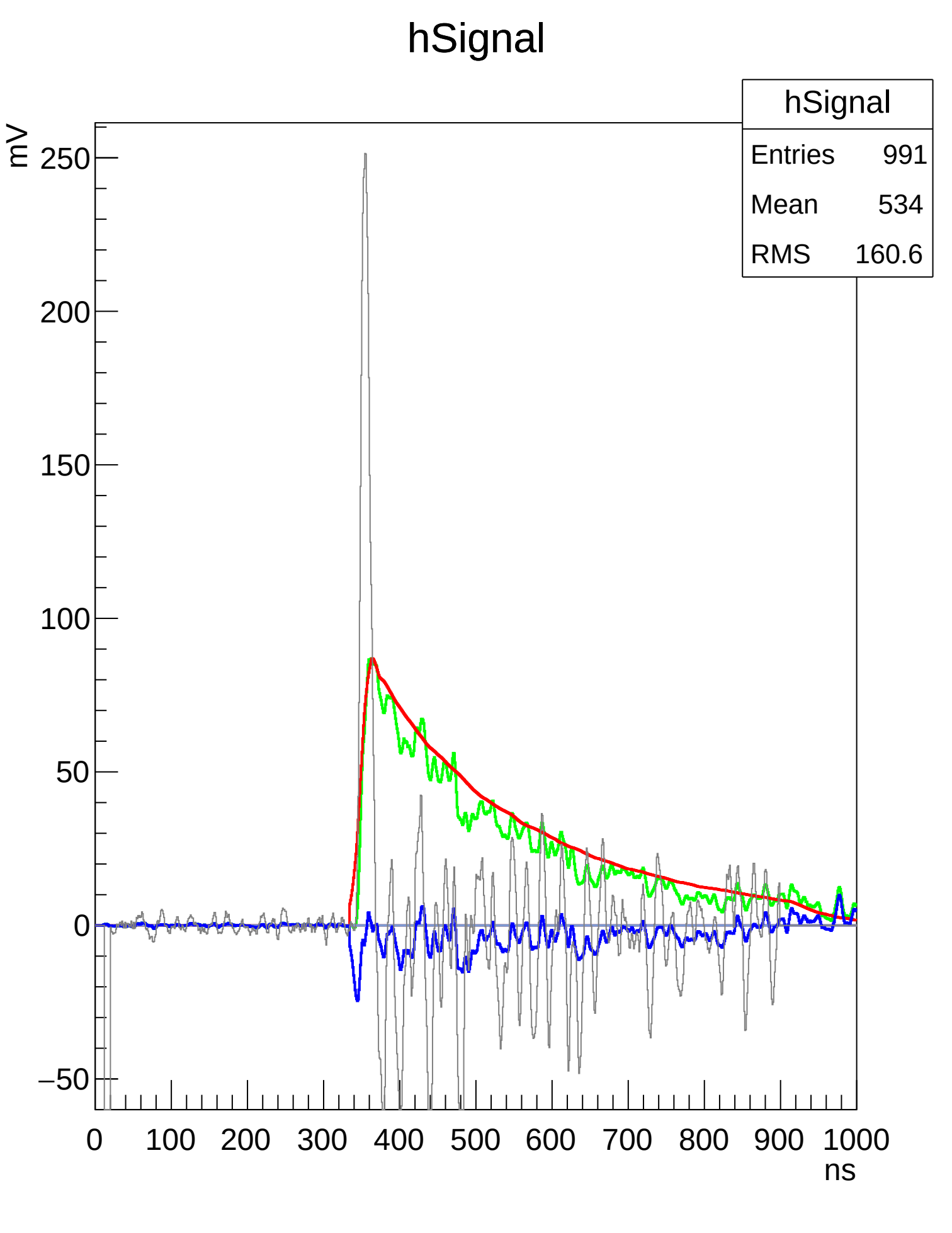
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.4
RMS 144.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534
RMS 160.6
mV
250
200
150
100
50
0
−50
0
100
200
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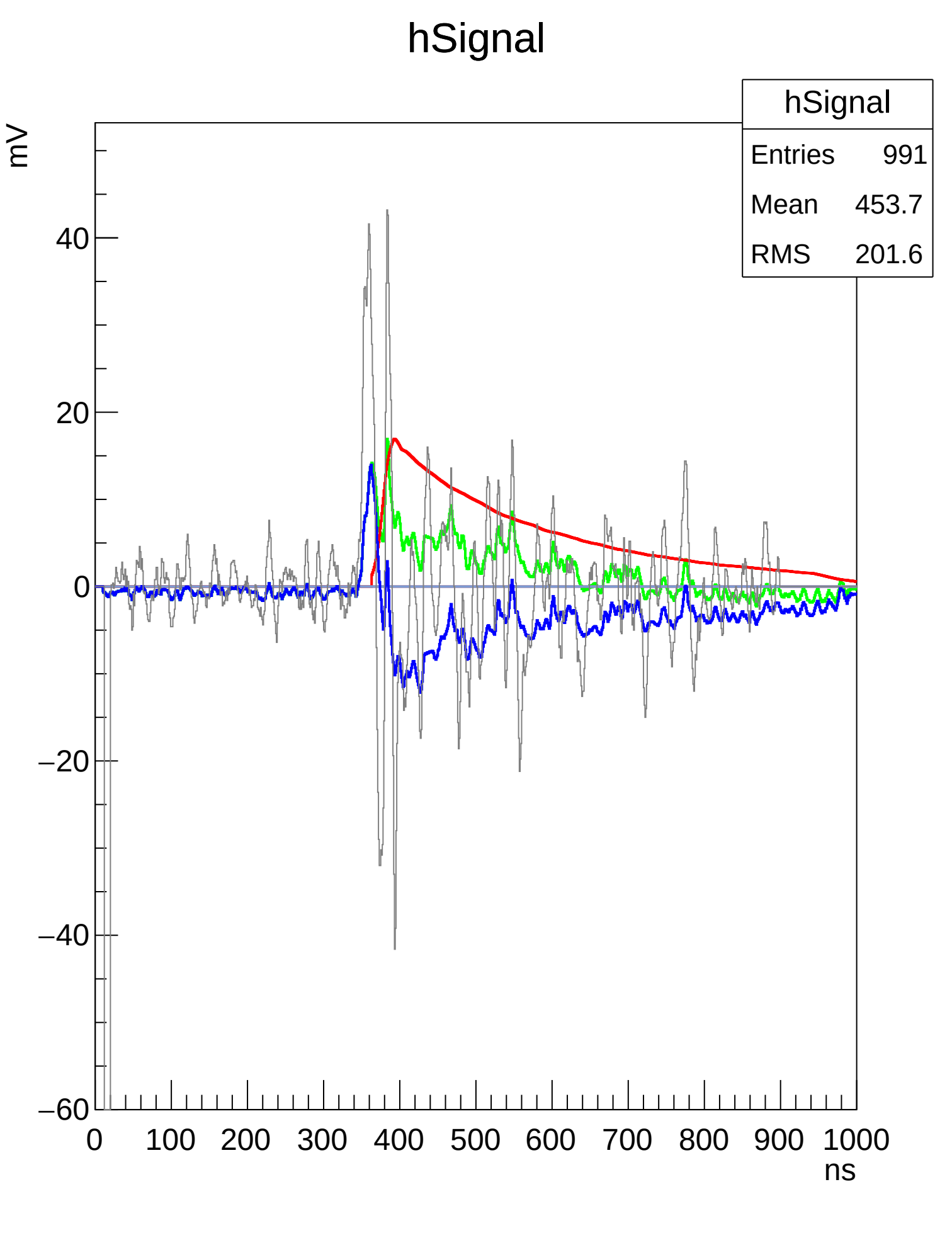
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 453.7
RMS 201.6
mV
40
20
0
−20
−40
−60
0
100
200
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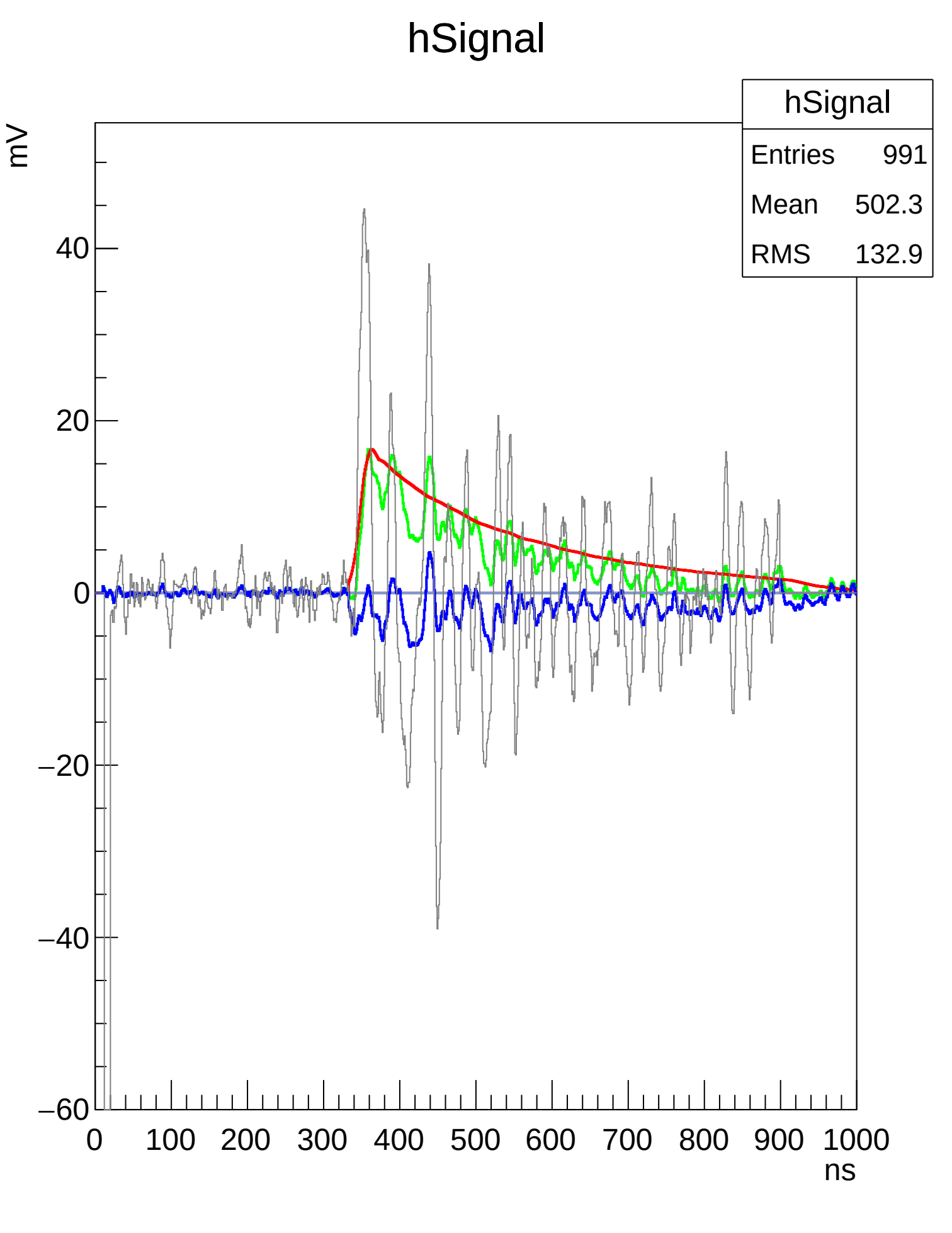
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.3
RMS 132.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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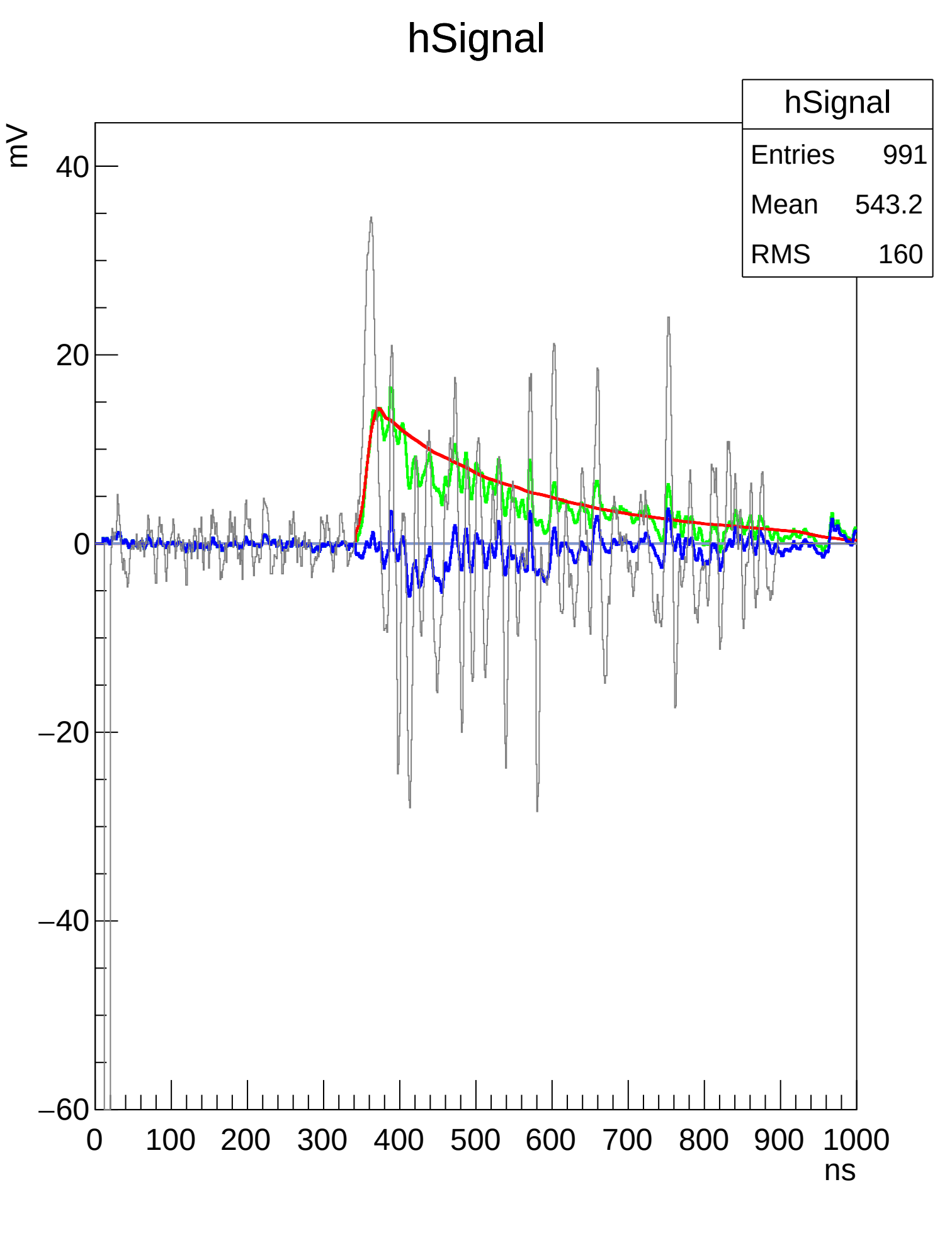
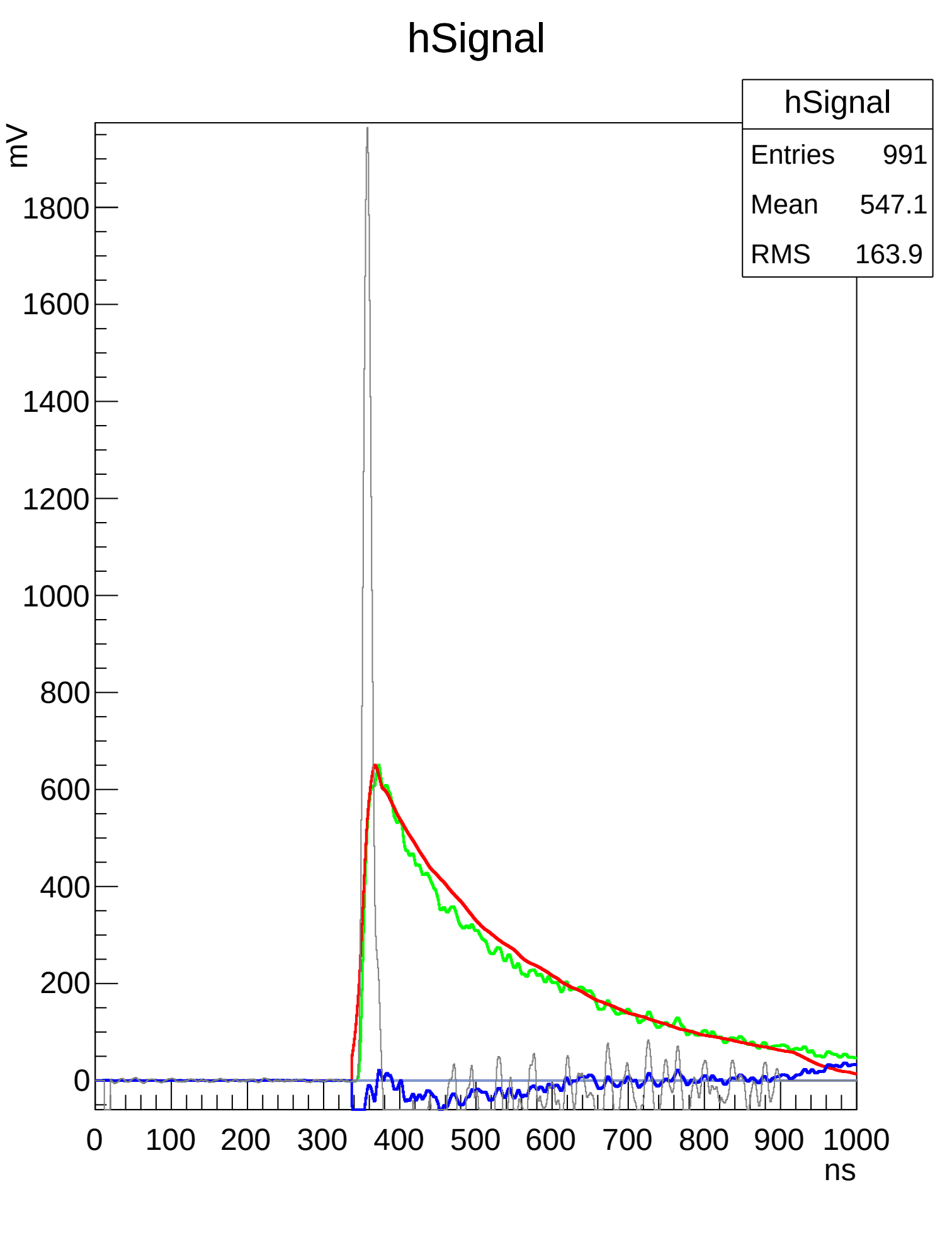
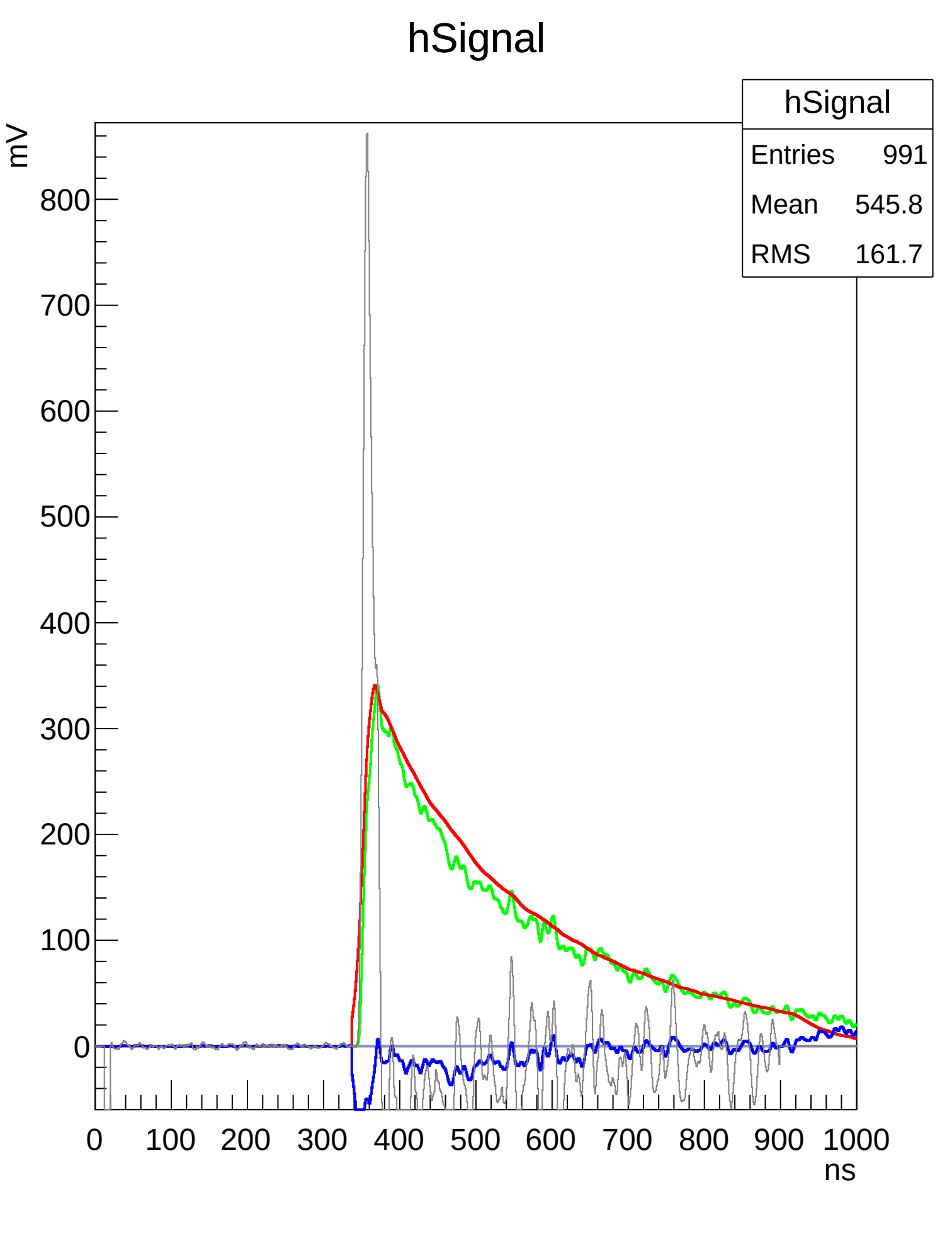
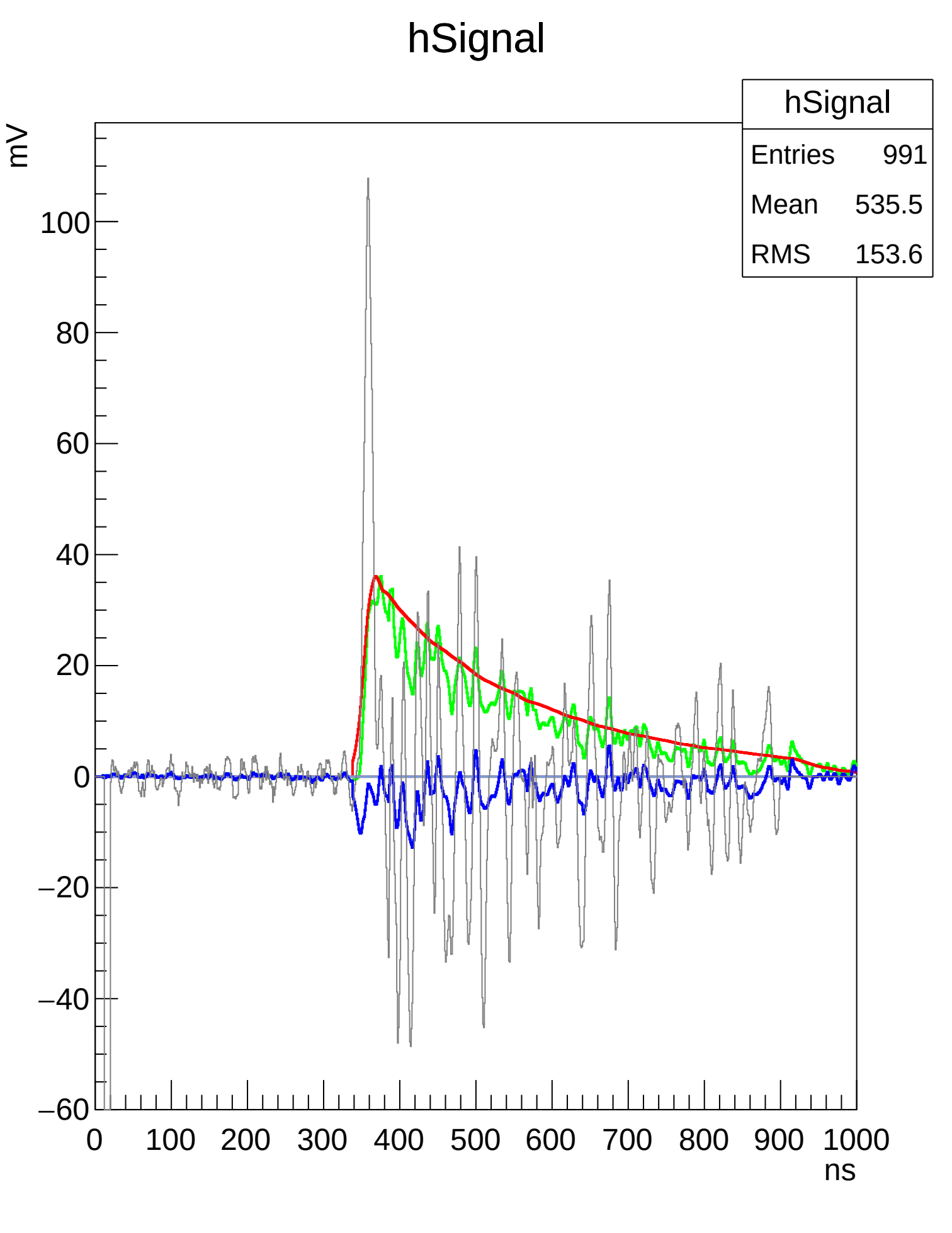
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.2
RMS 160
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.1
RMS 163.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.8
RMS 161.7
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.5
RMS 153.6
mV
100
80
60
40
20
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−20
−40
−60
0
100
200
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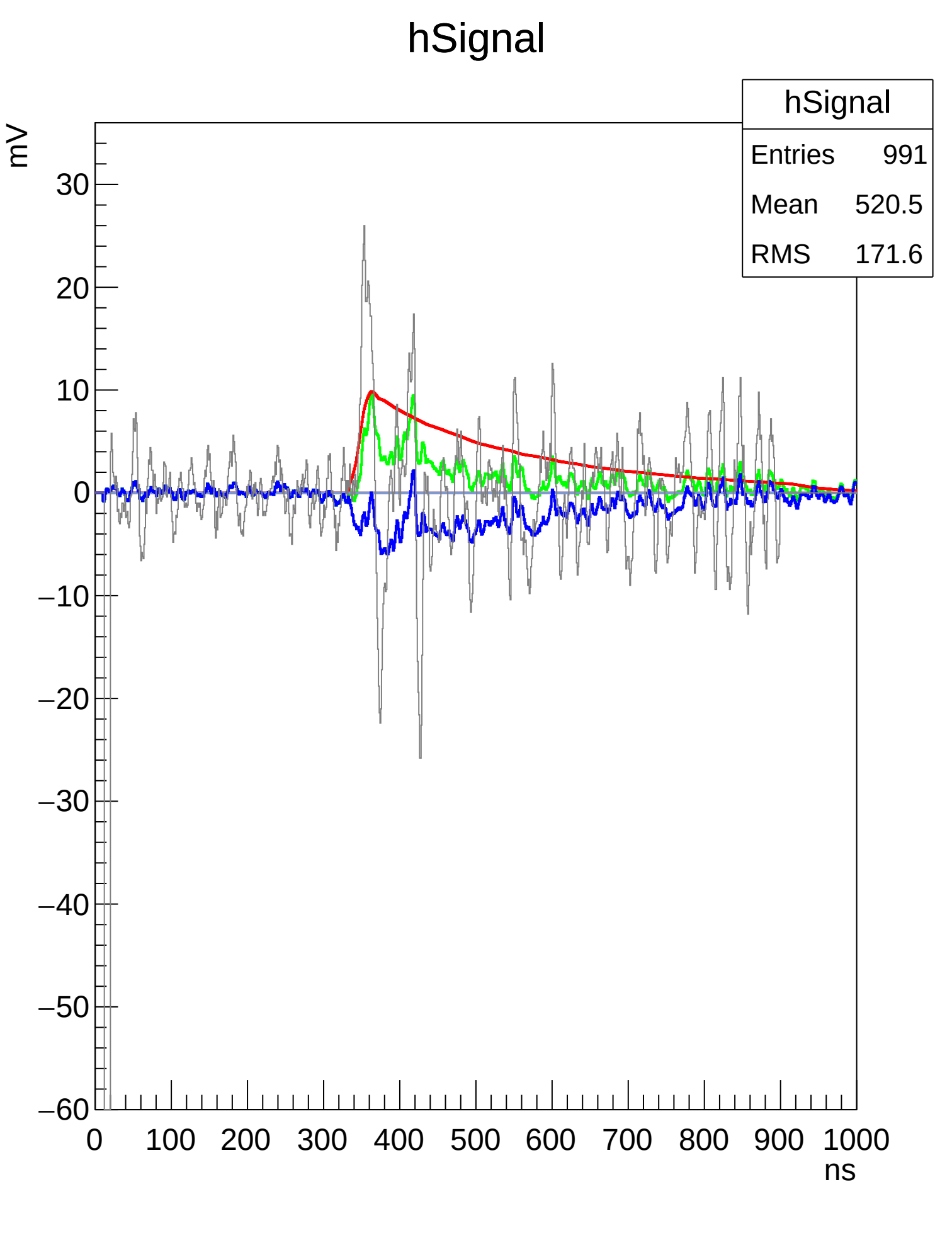
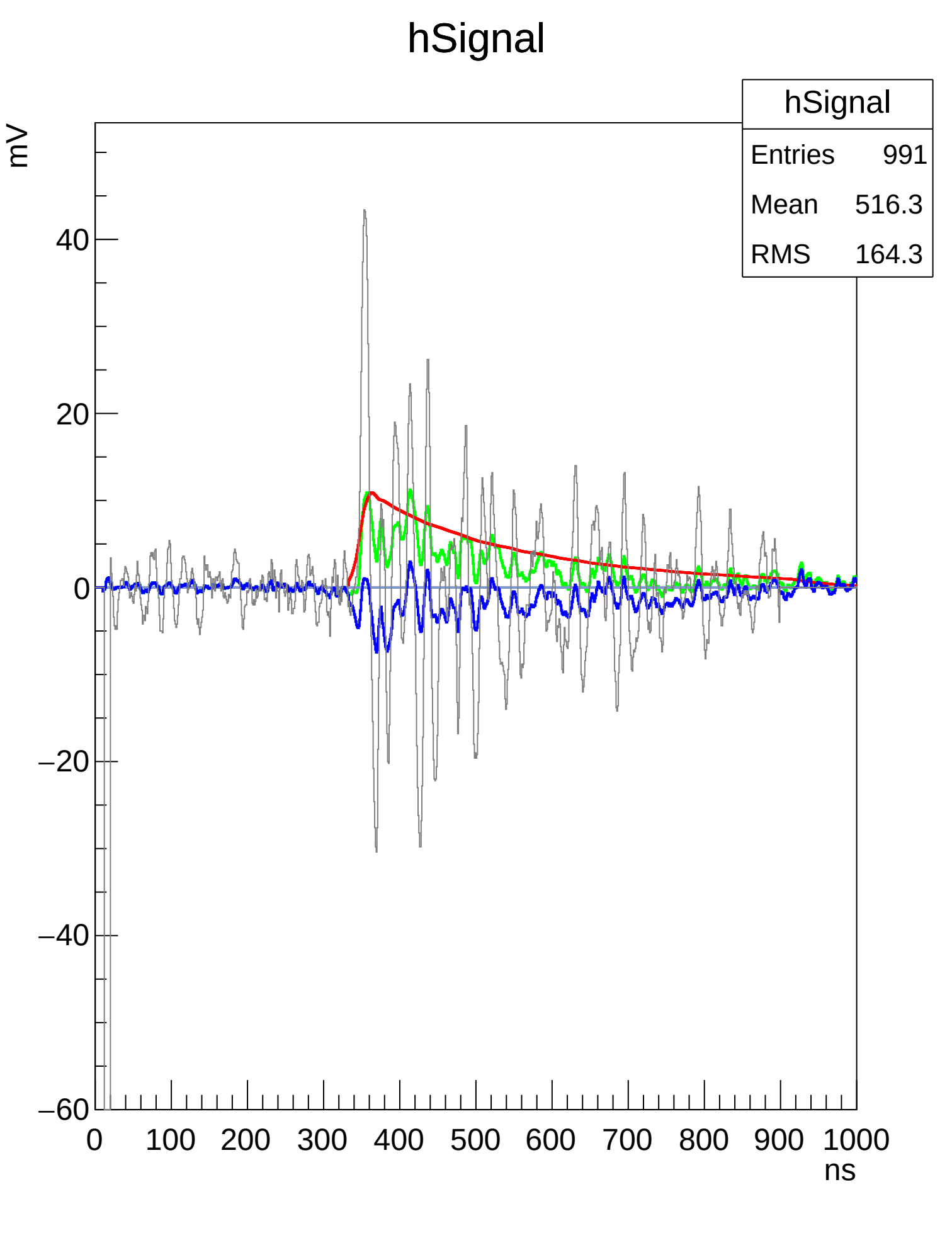
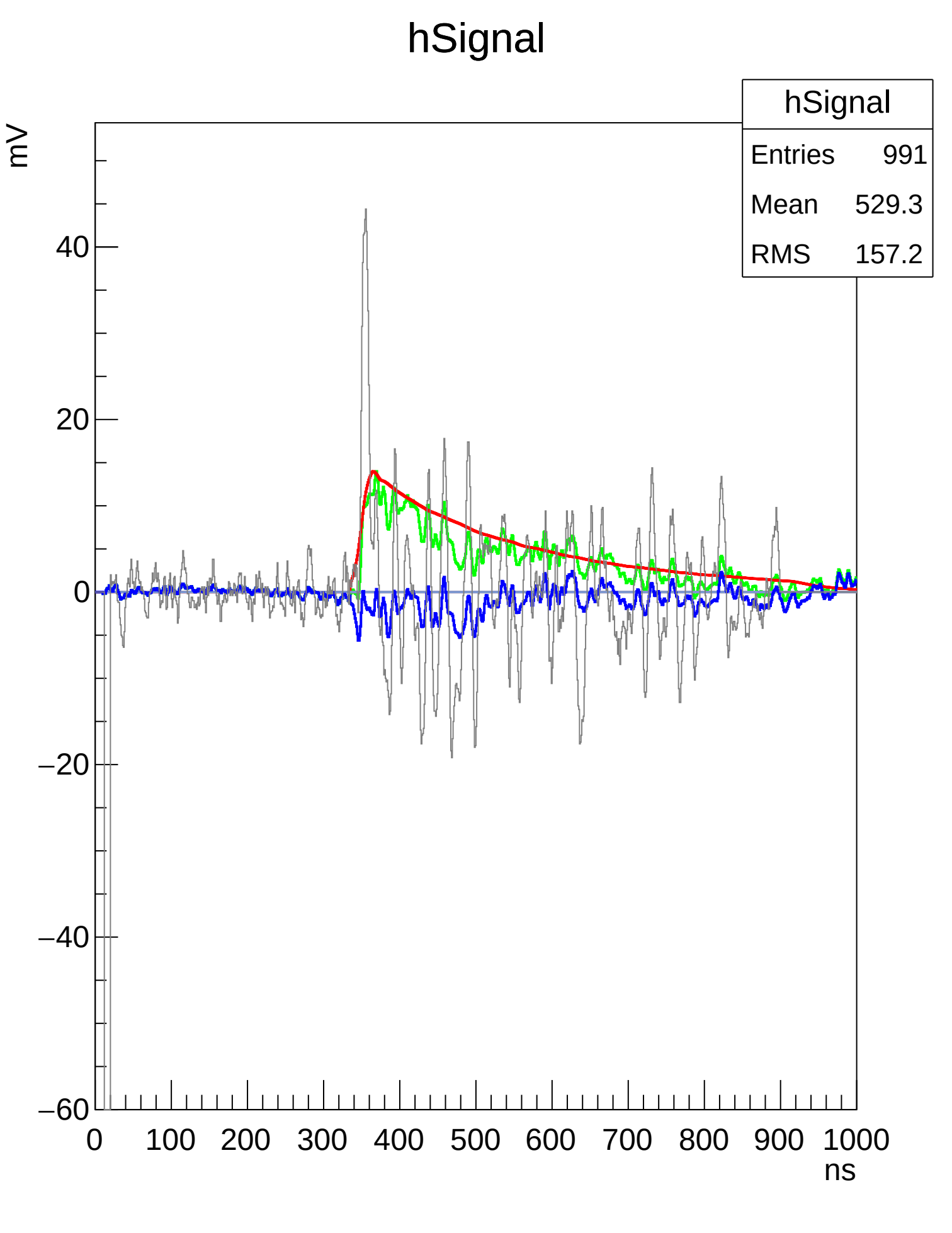
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.5
RMS 171.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.3
RMS 164.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.3
RMS 157.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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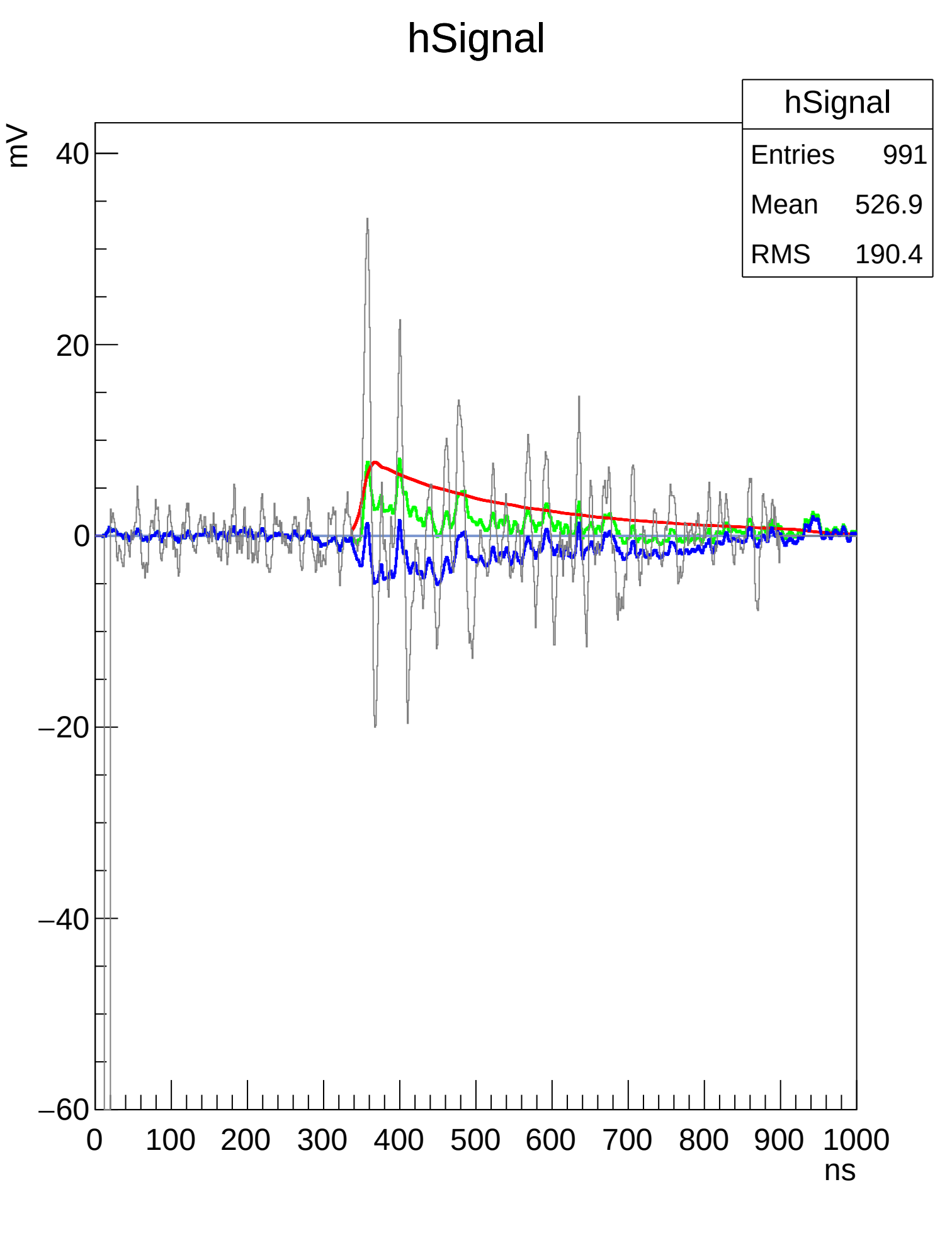
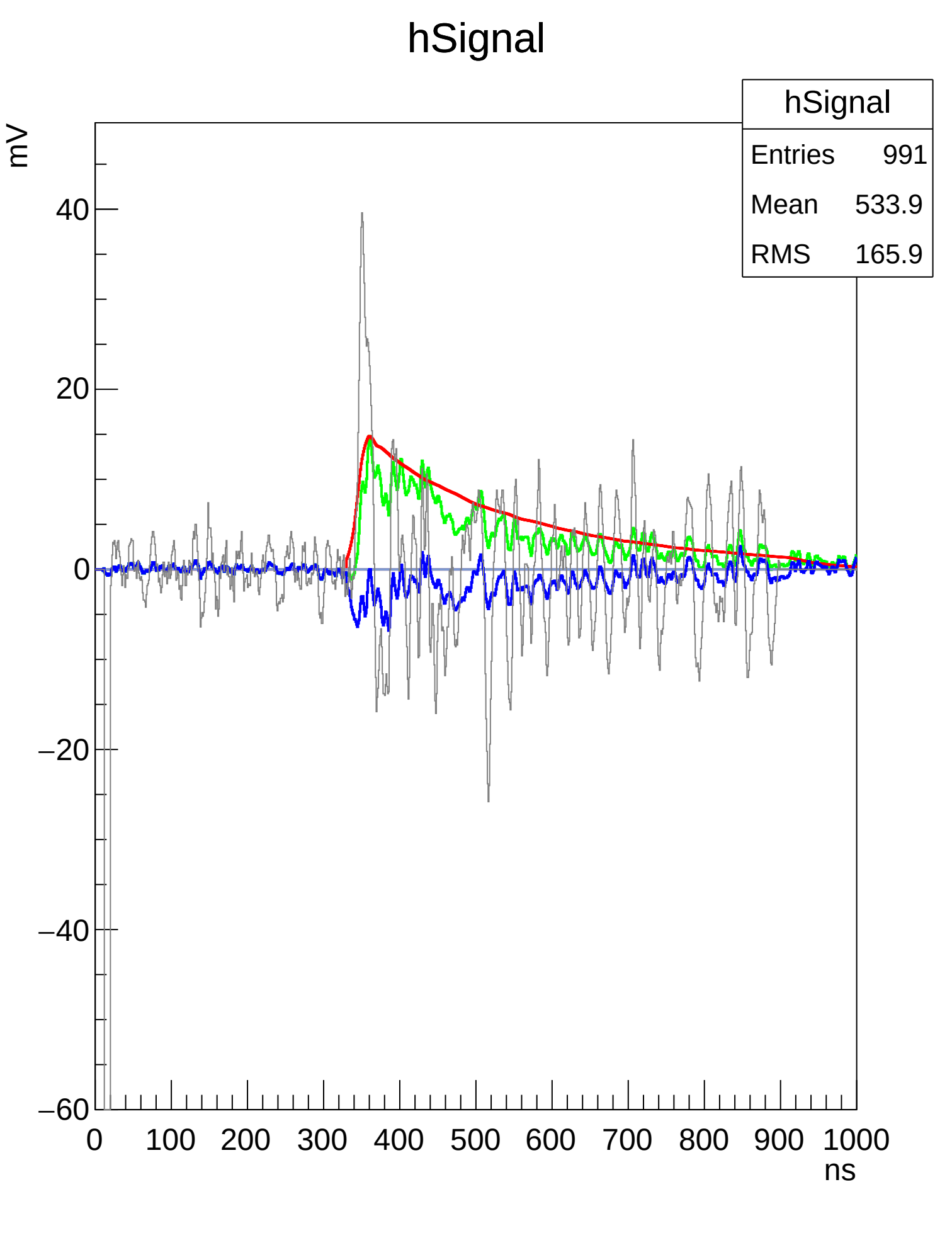
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.9
RMS 190.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.9
RMS 165.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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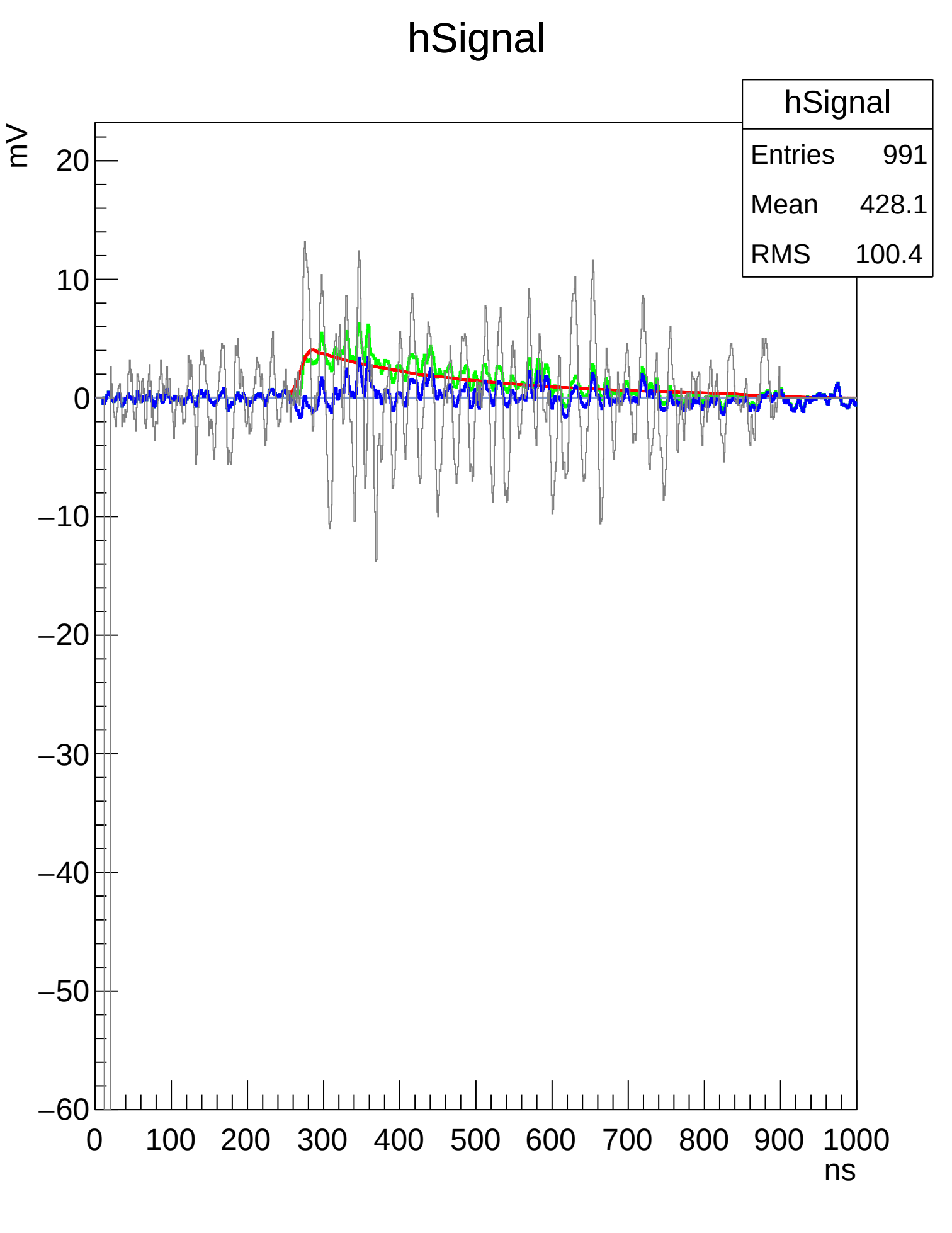
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 428.1
RMS 100.4
mV
20
10
0
−10
−20
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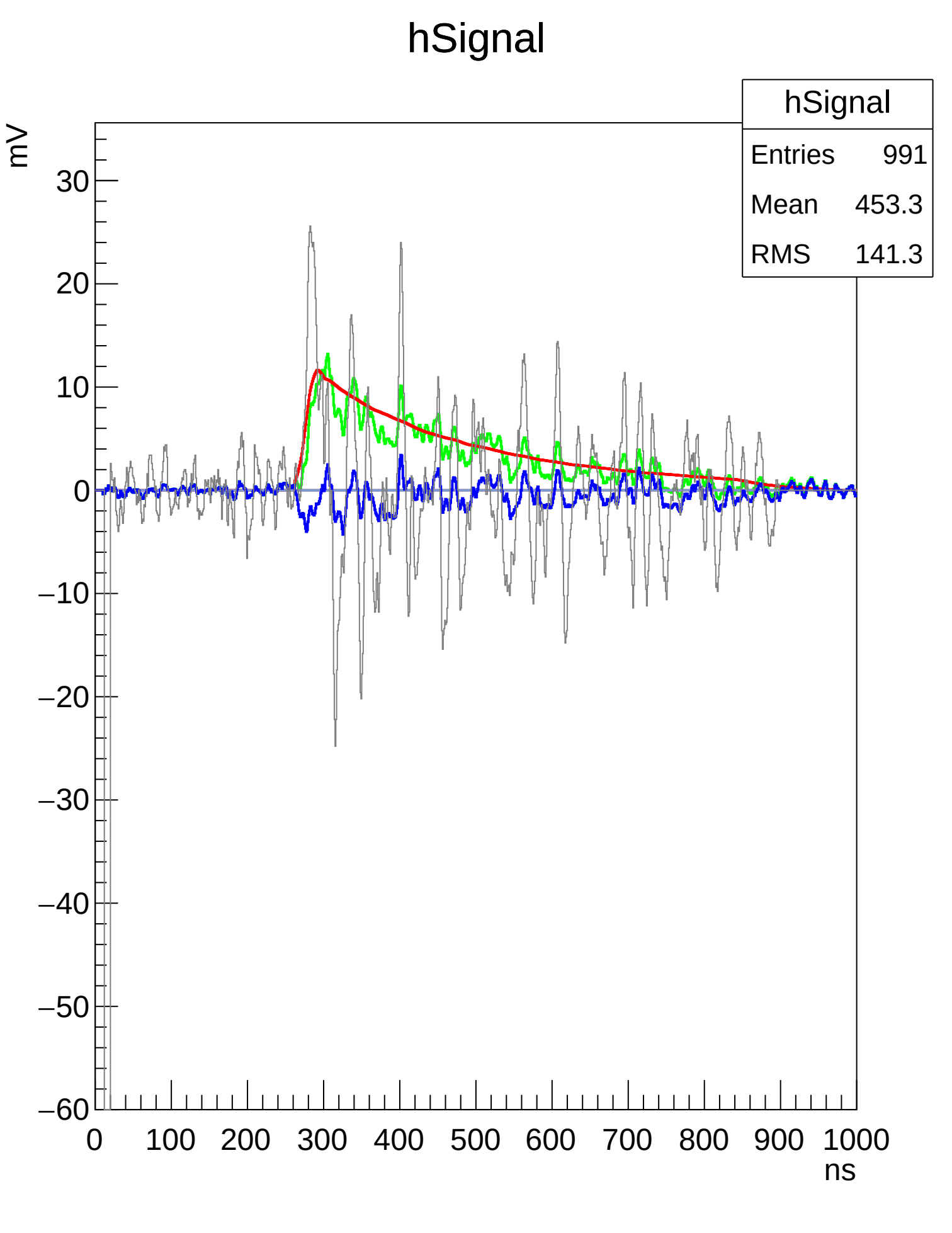
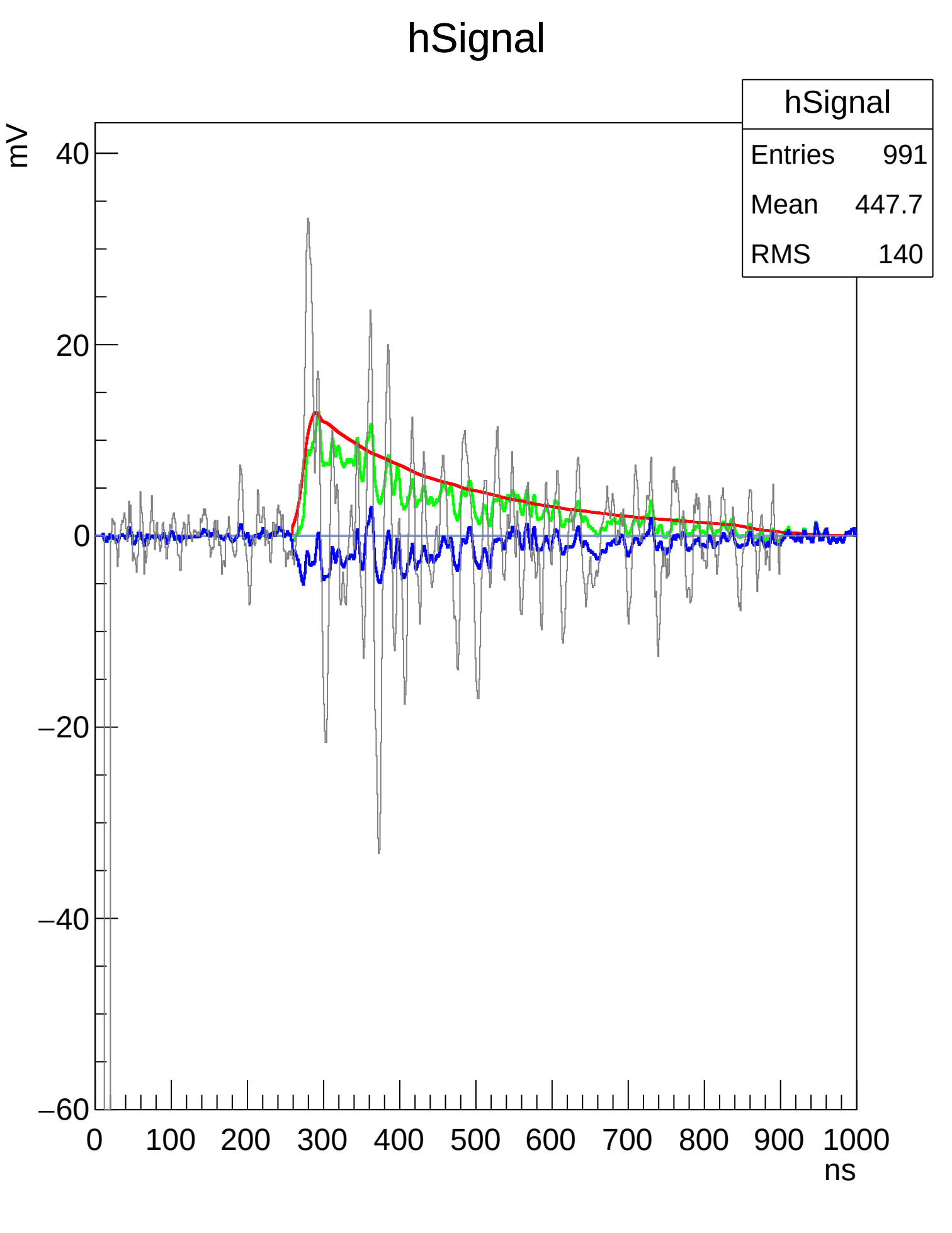
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 453.3
RMS 141.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 447.7
RMS 140
mV
40
20
0
−20
−40
−60
0
100
200
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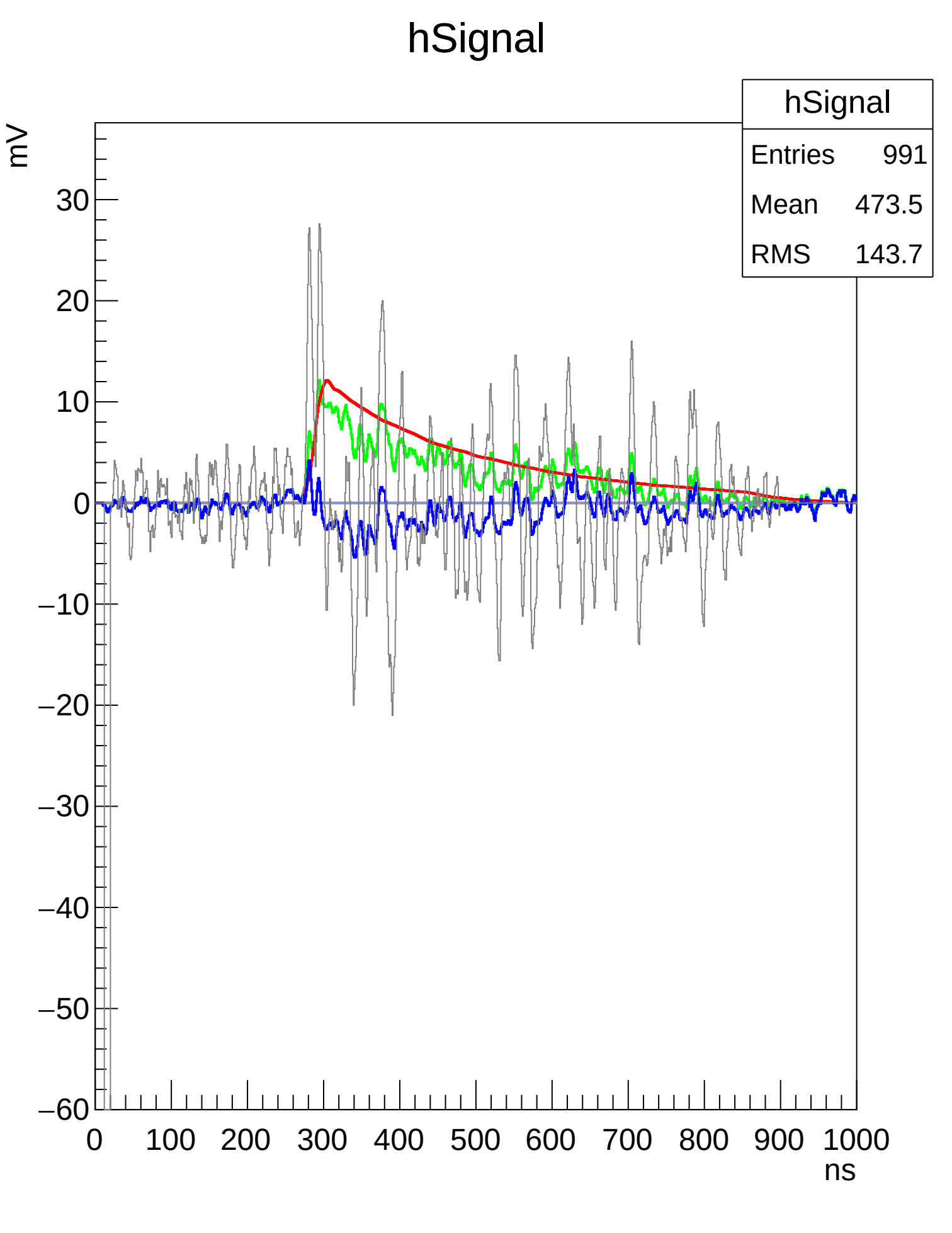
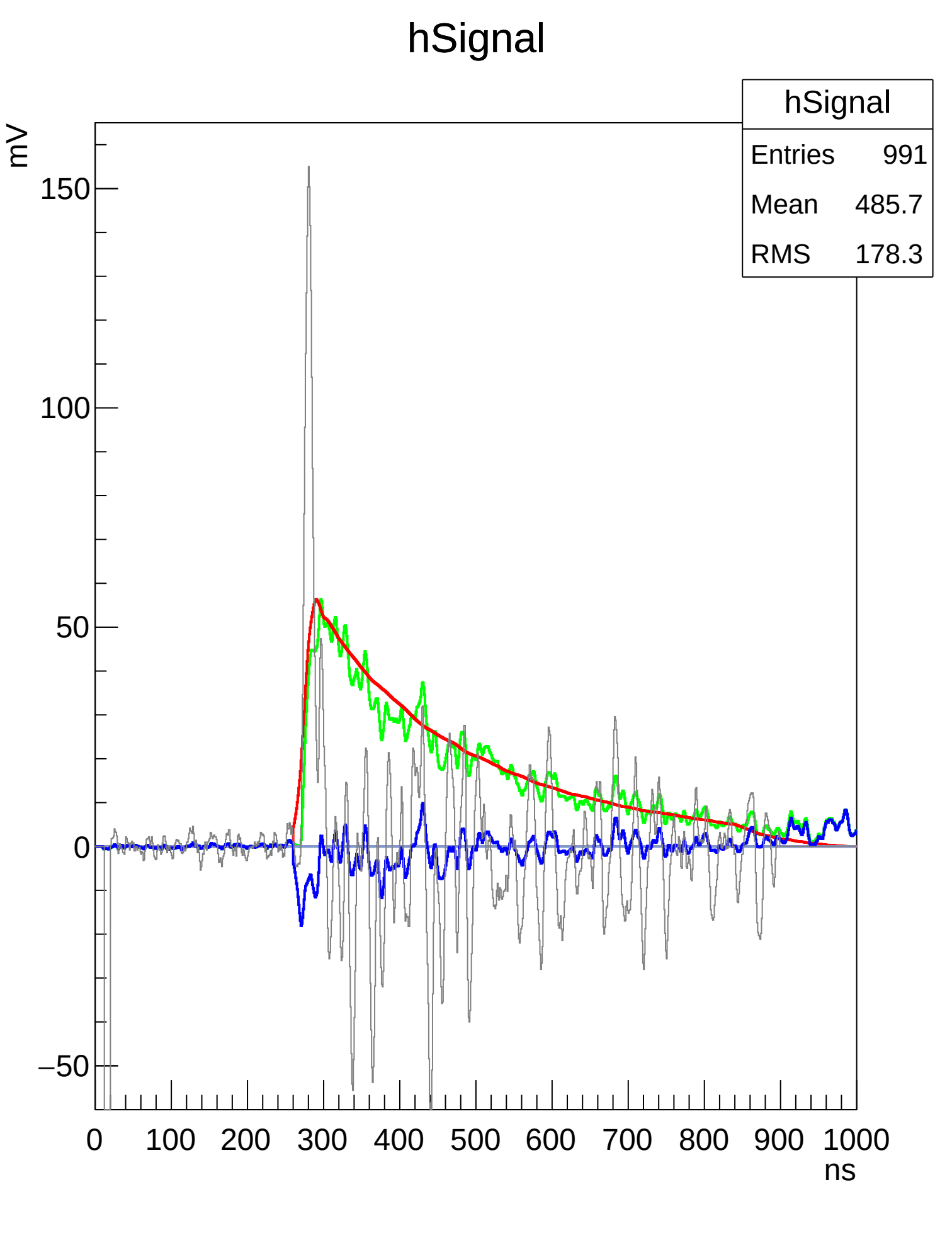
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 473.5
RMS 143.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485.7
RMS 178.3
mV
150
100
50
0
−50
0
100
200
300
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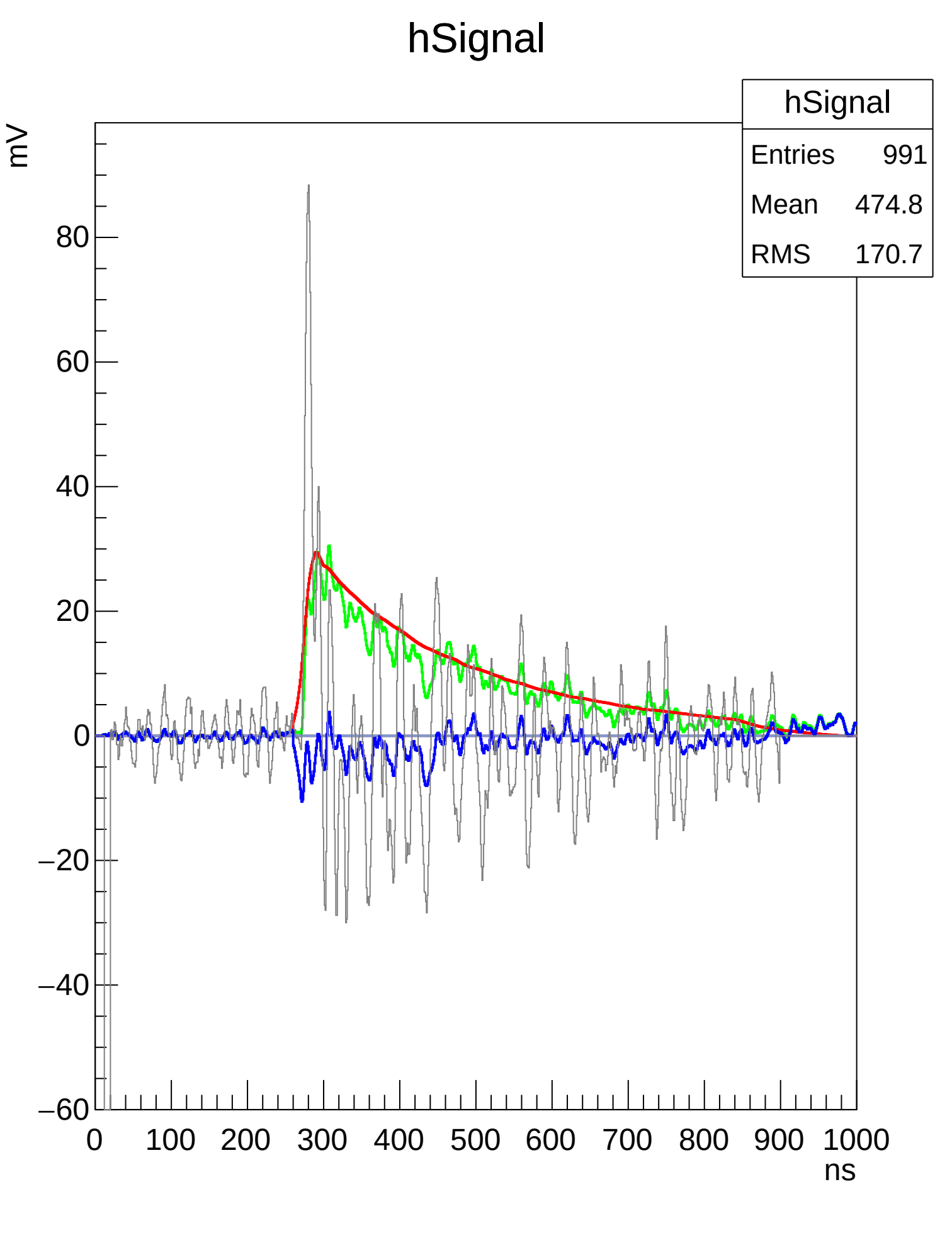
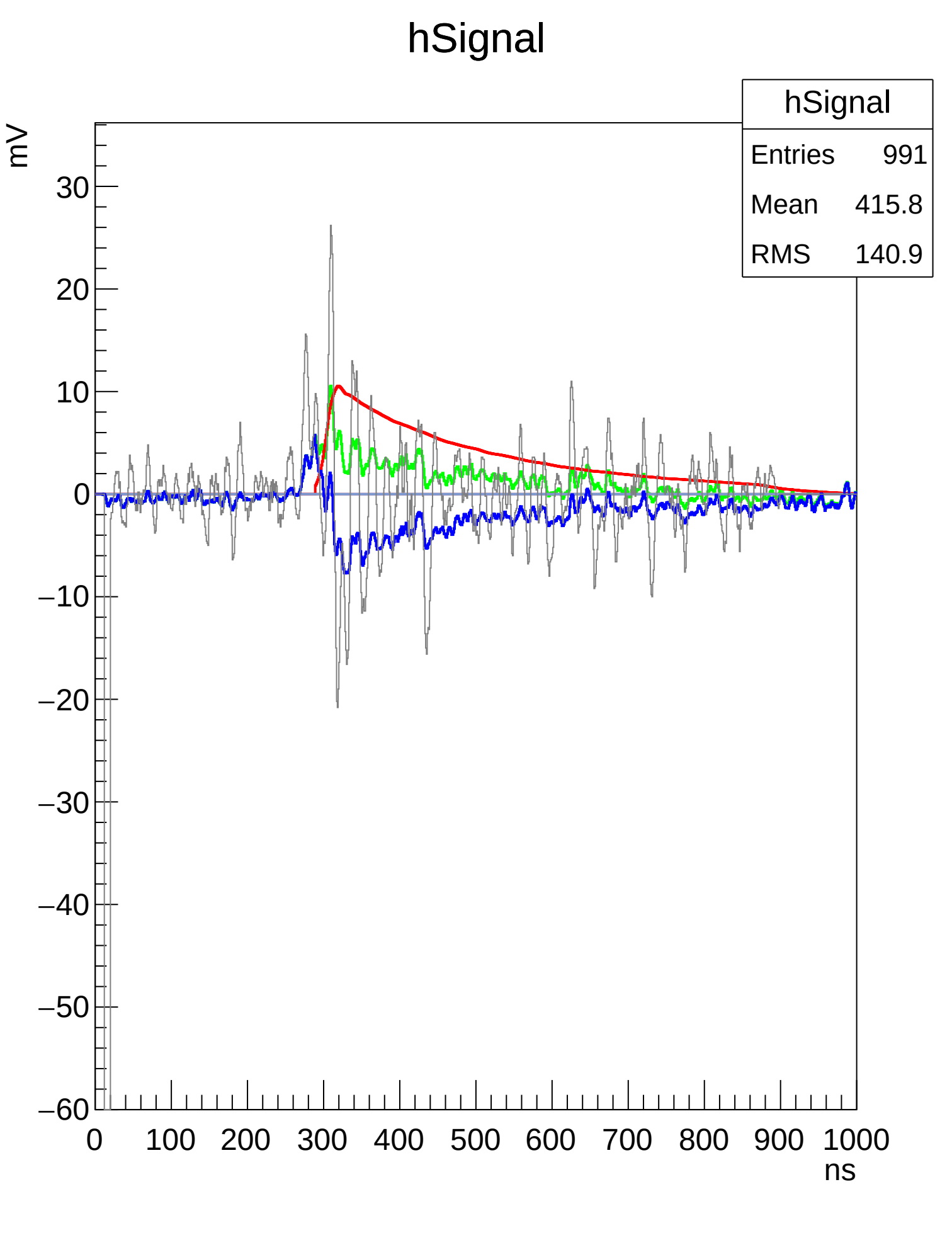
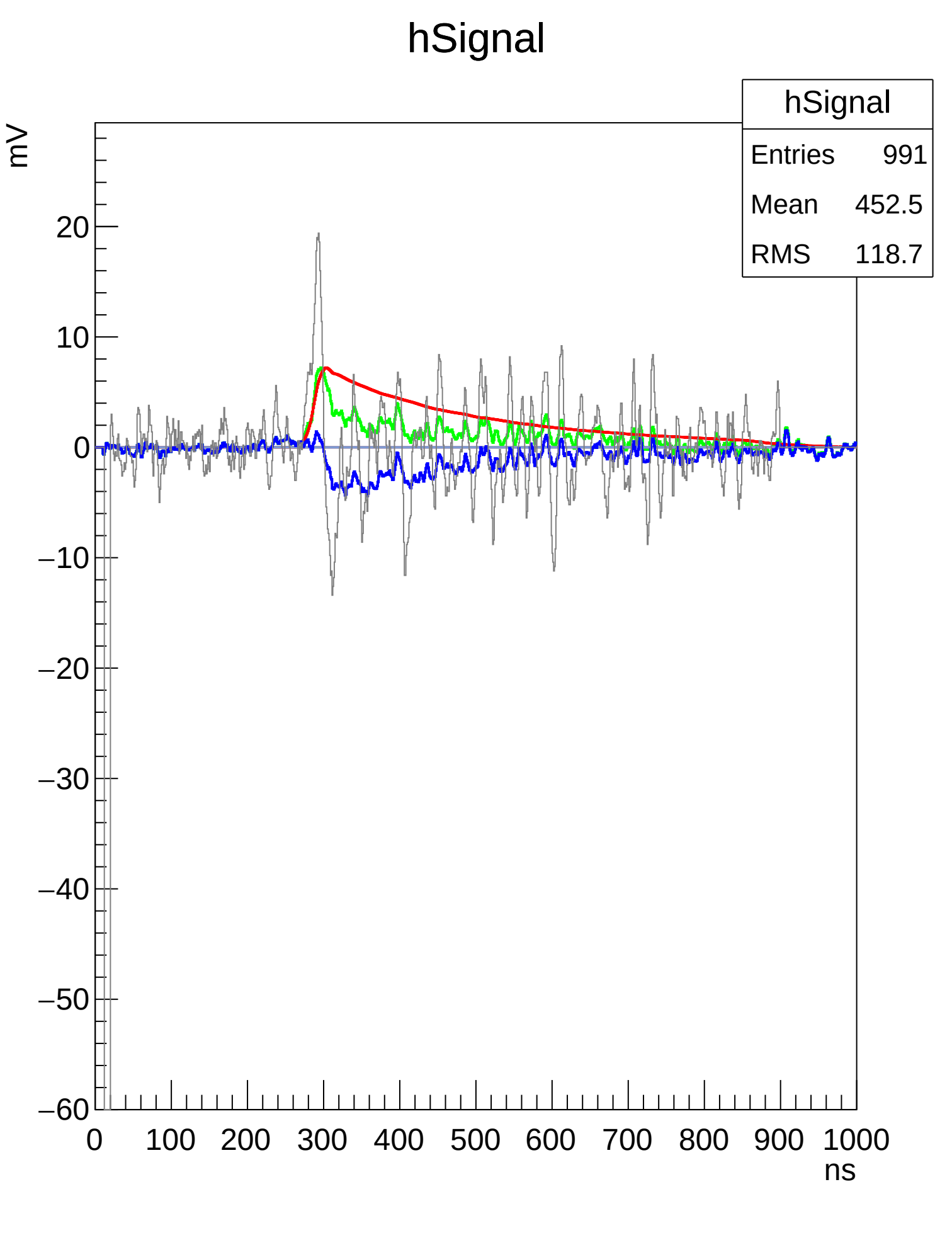
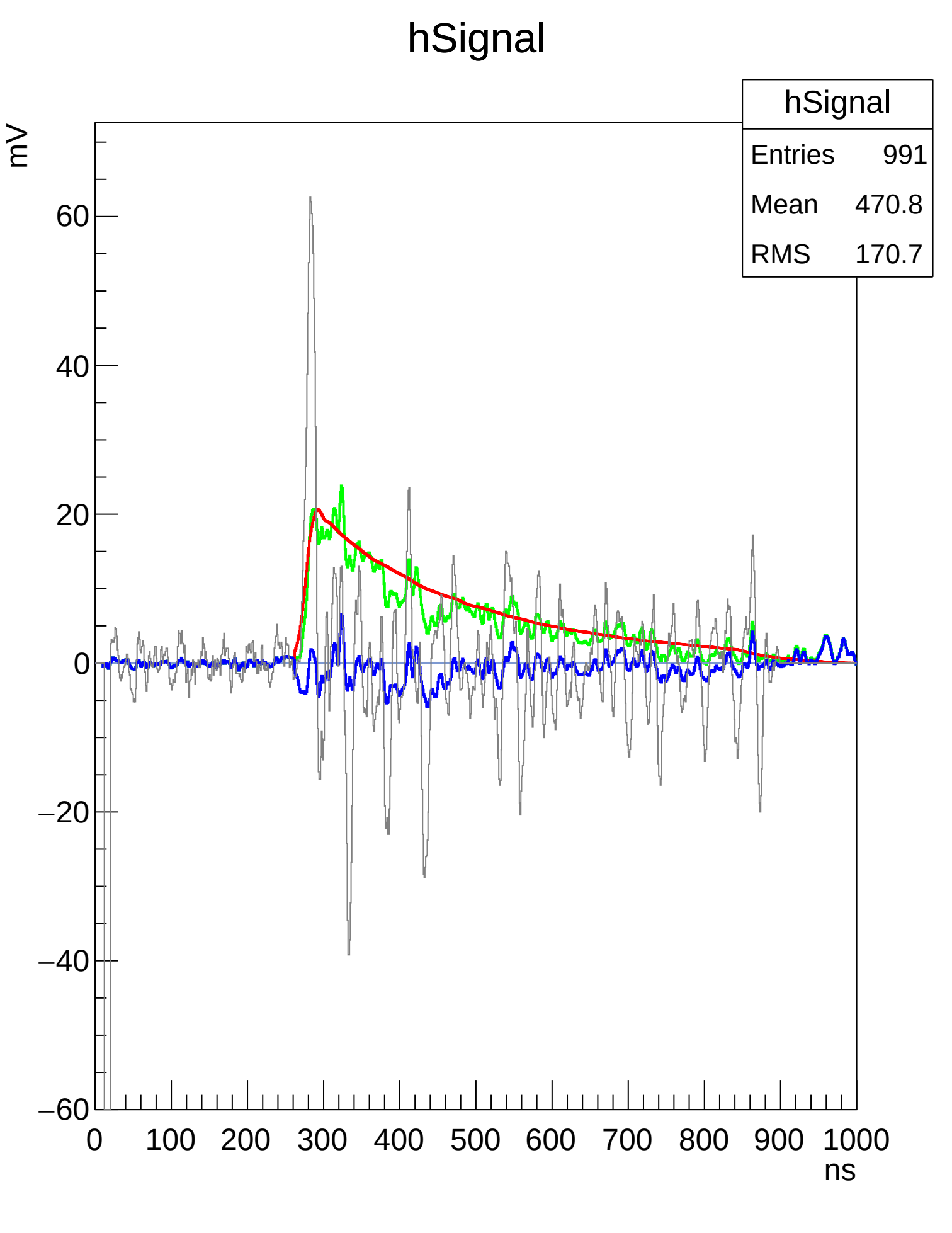
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 474.8
RMS 170.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 415.8
RMS 140.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 452.5
RMS 118.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470.8
RMS 170.7
mV
60
40
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0
−20
−40
−60
0
100
200
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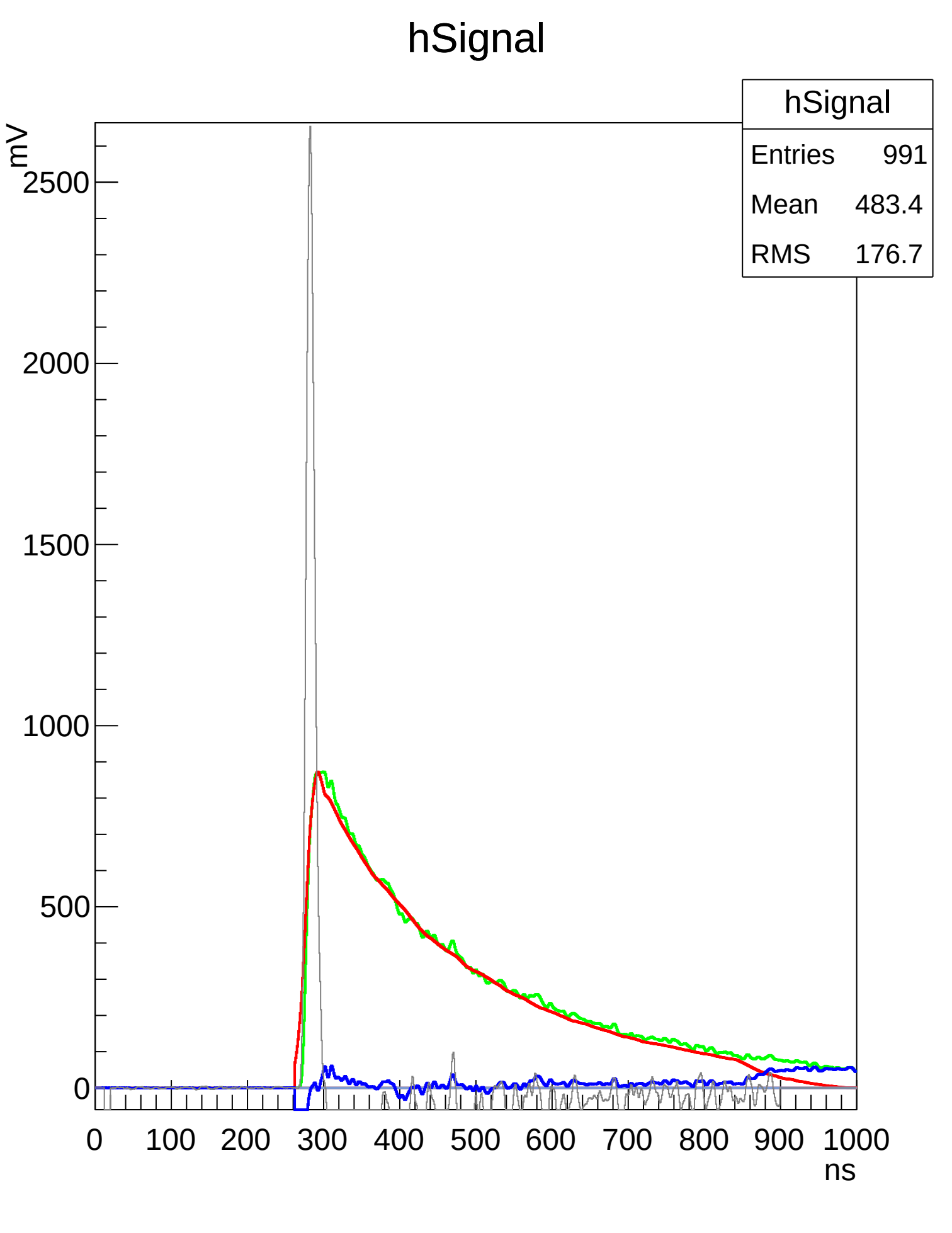
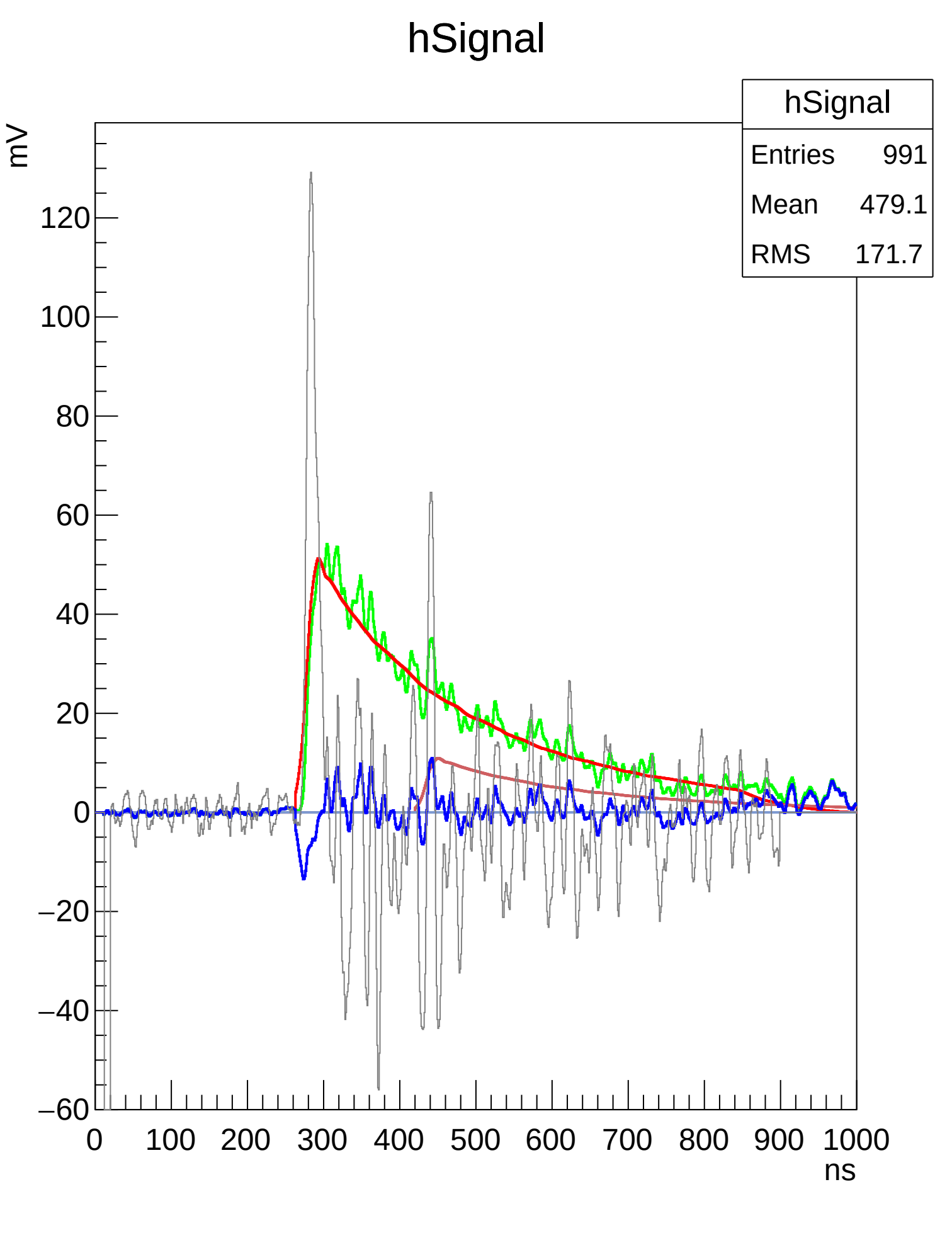
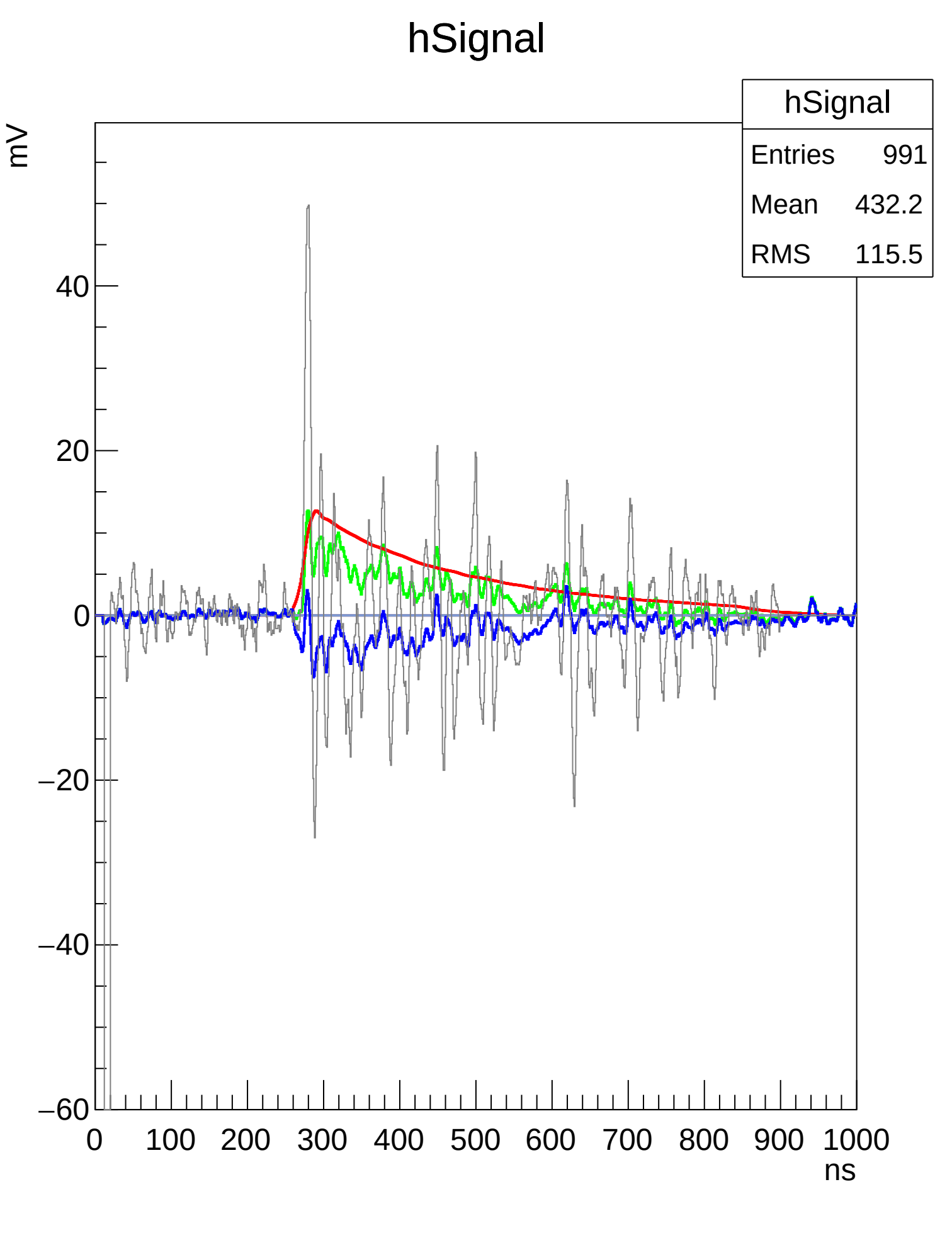
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.4
RMS 176.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.1
RMS 171.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 432.2
RMS 115.5
mV
40
20
0
−20
−40
−60
0
100
200
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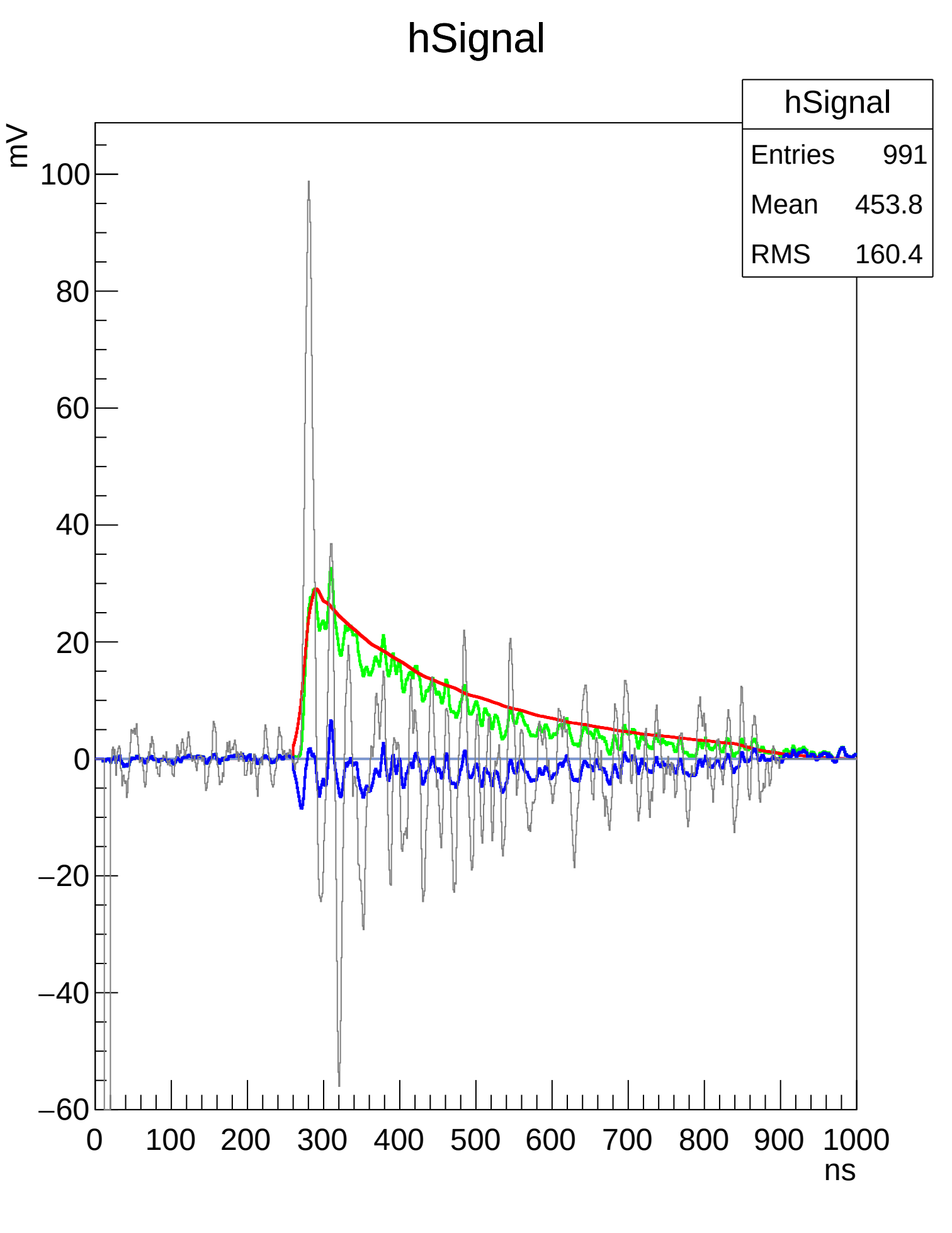
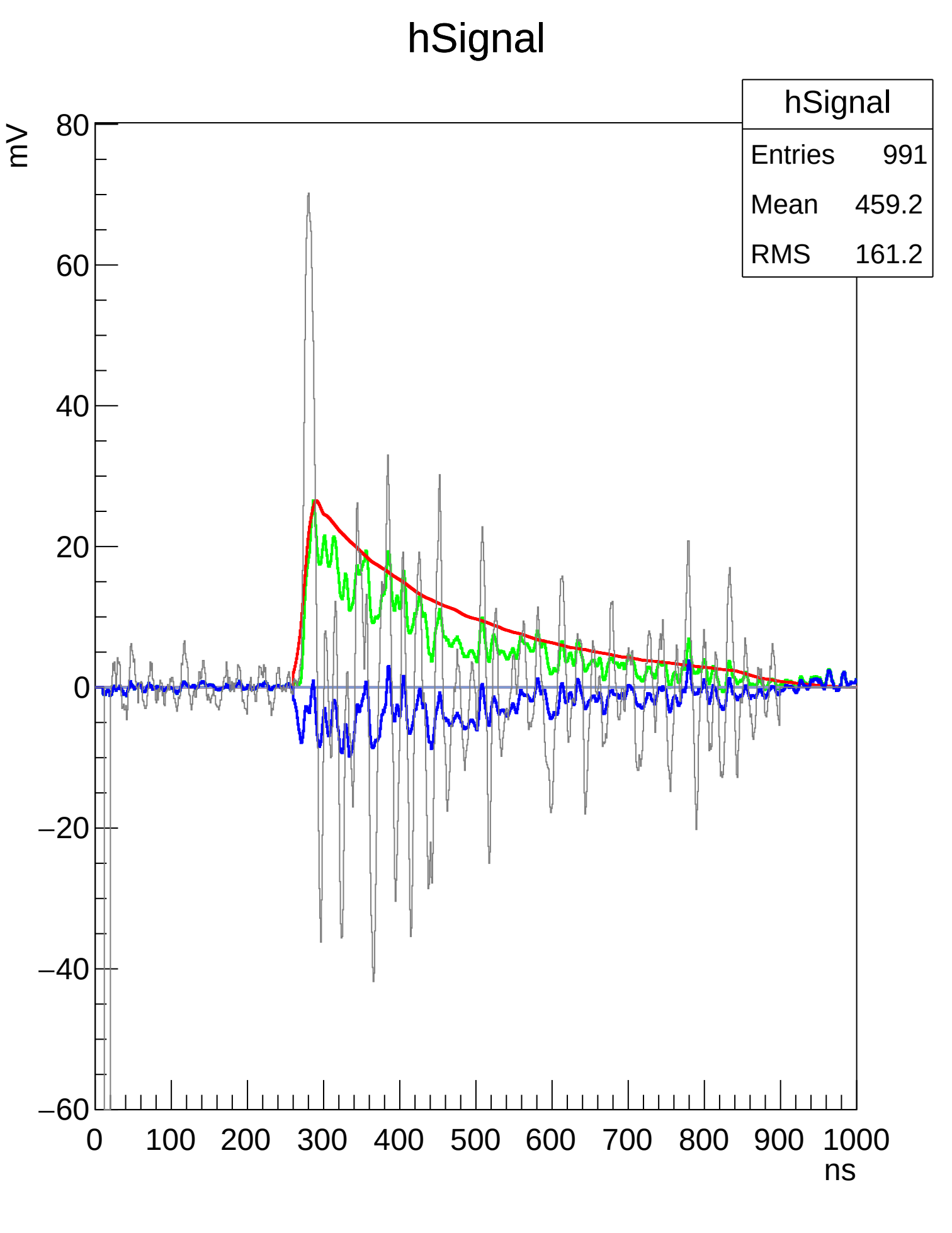
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 453.8
RMS 160.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 459.2
RMS 161.2
mV
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−20
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400
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800
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1000
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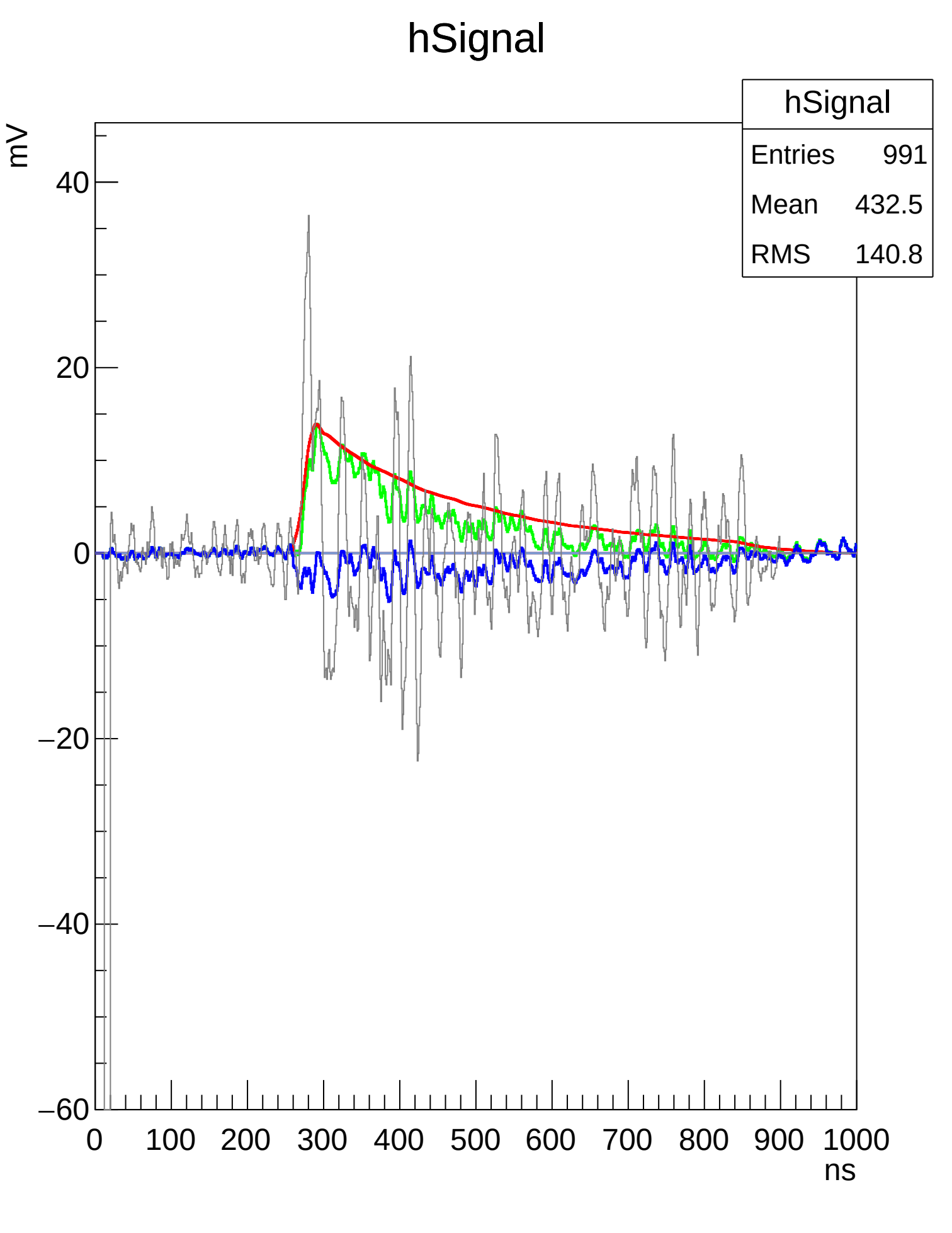
hSignal
hSignal
Entries 991
Mean 432.5
RMS 140.8
mV
40
20
0
−20
−40
−60
0
100
200
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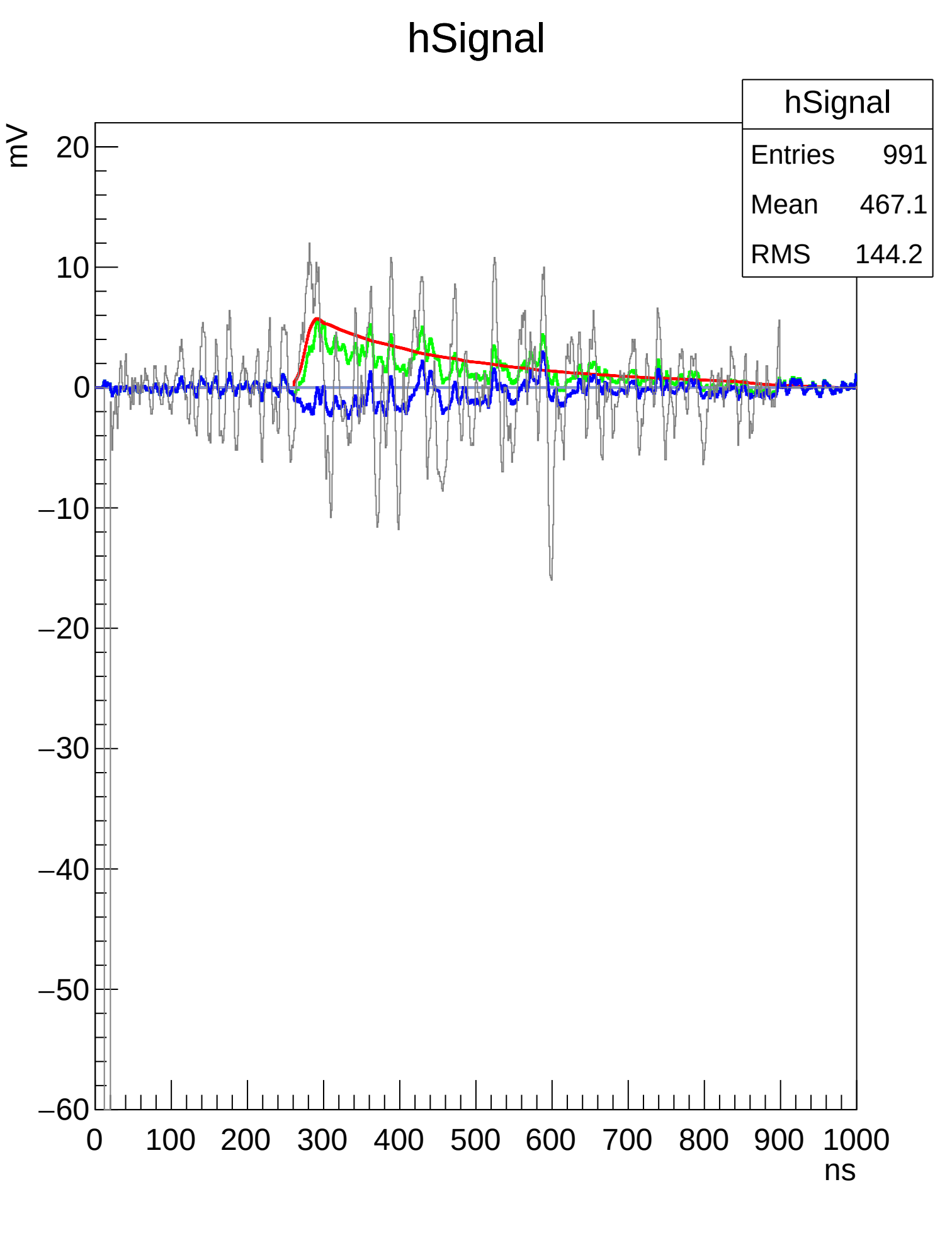
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 467.1
RMS 144.2
mV
20
10
0
−10
−20
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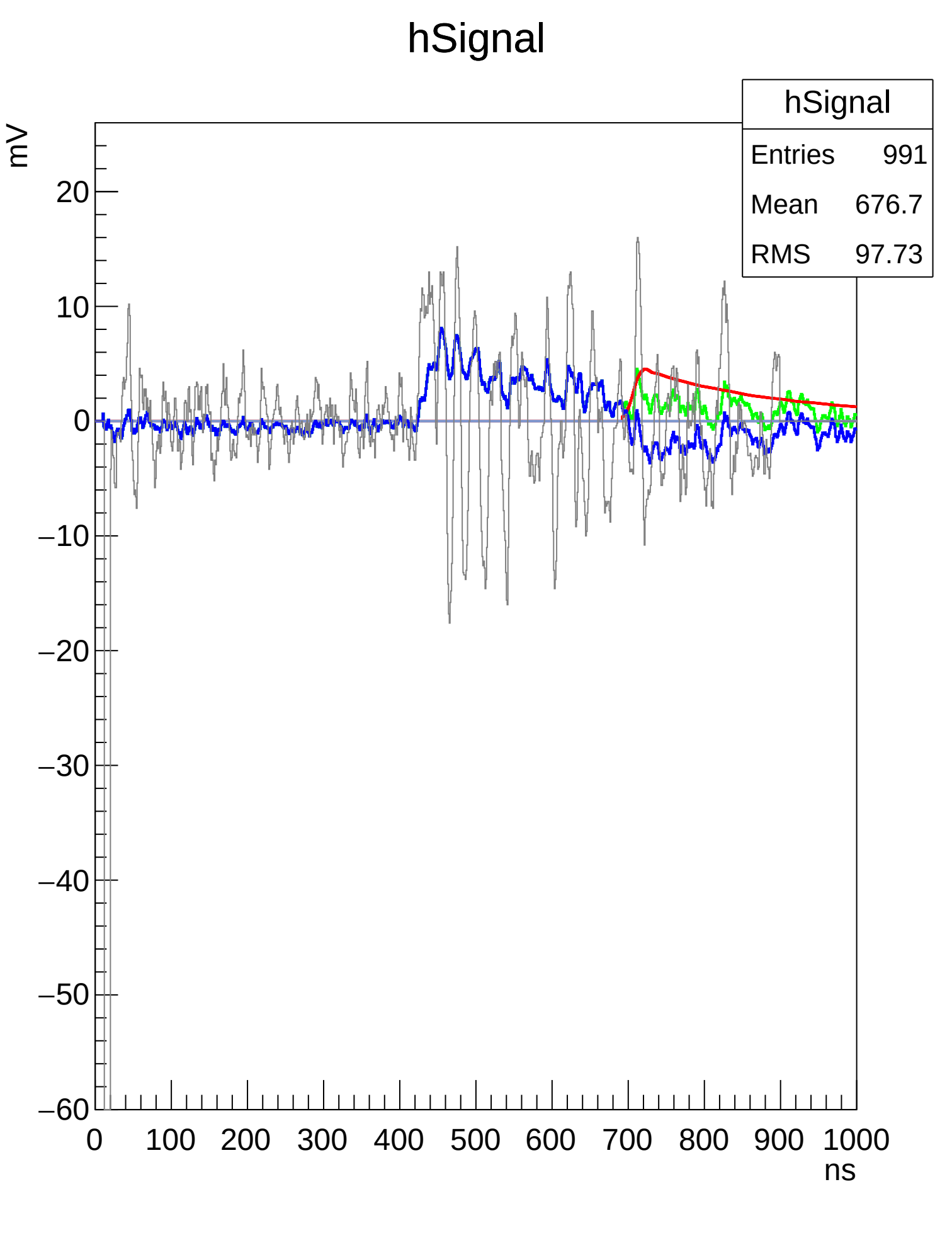
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 676.7
RMS 97.73
mV
20
10
0
−10
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−40
−50
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0
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200
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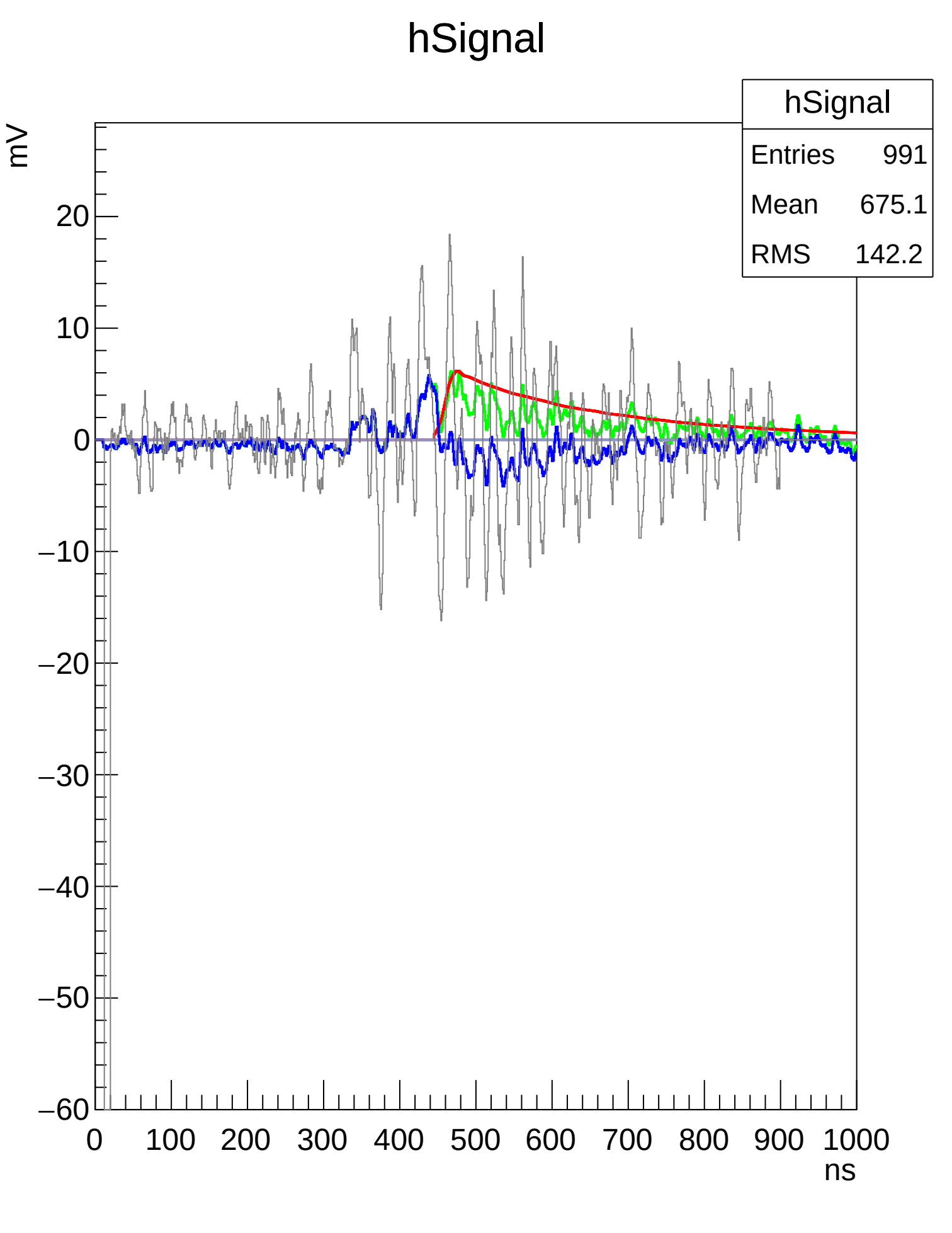
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 675.1
RMS 142.2
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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600
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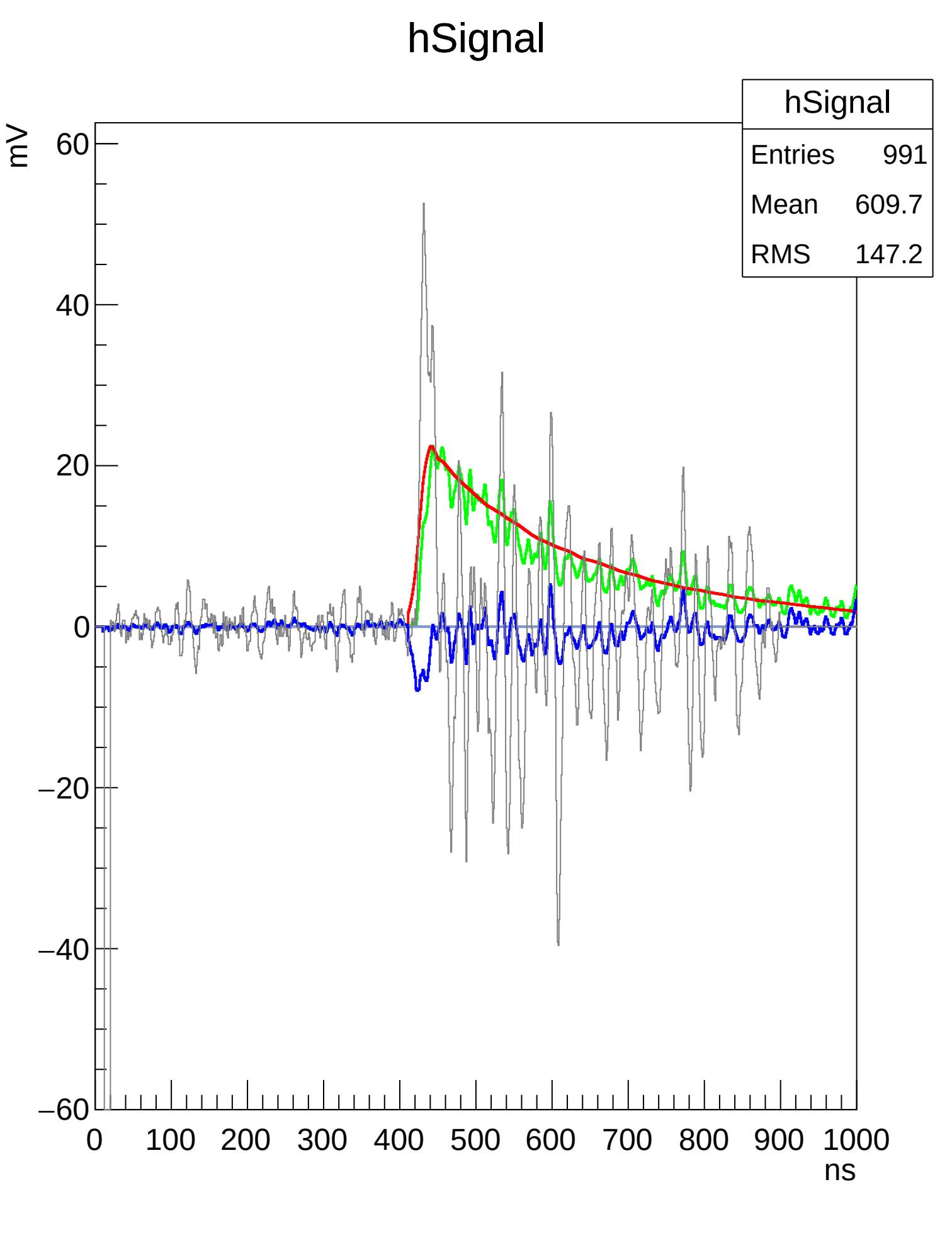
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.7
RMS 147.2
mV
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−20
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0
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200
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400
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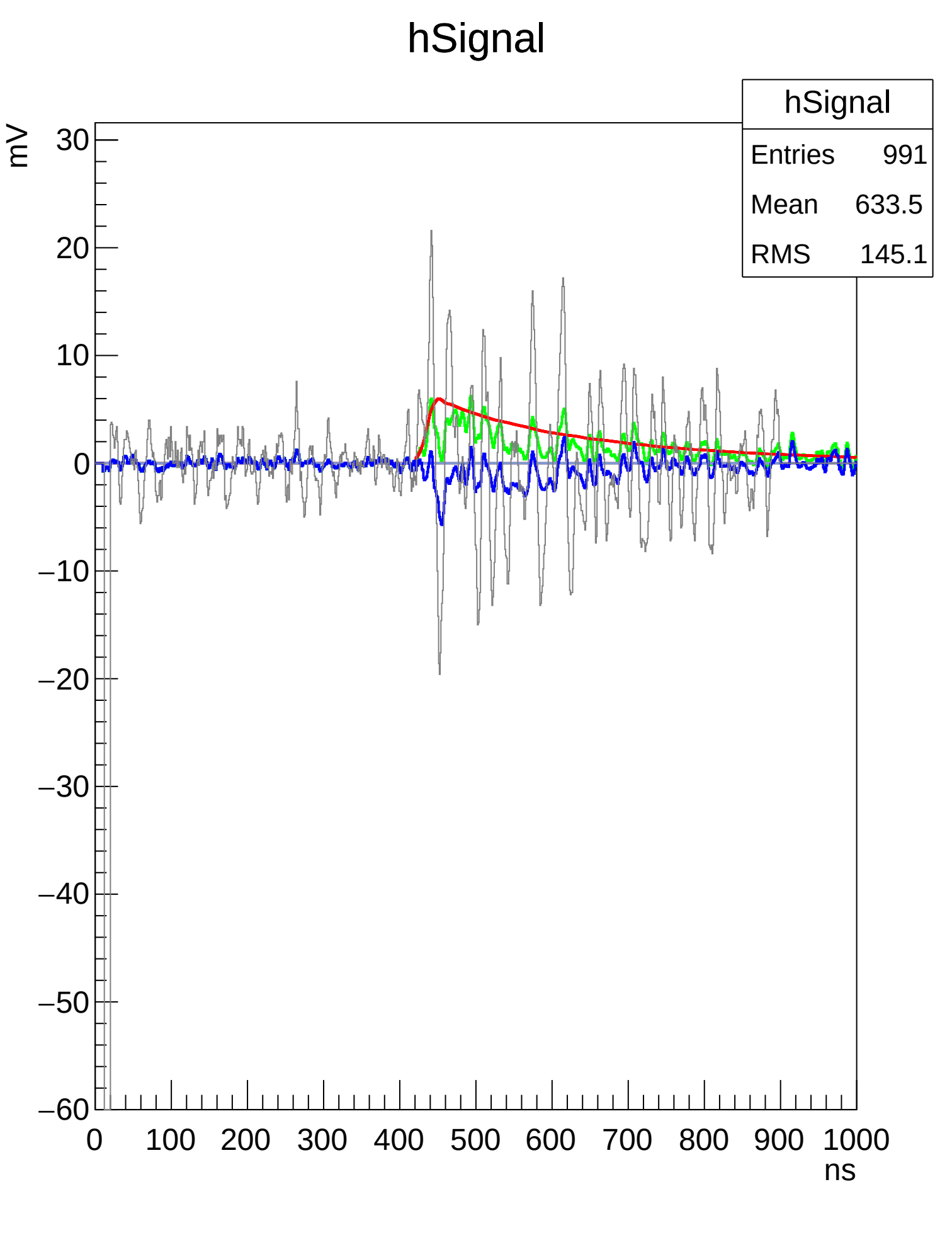
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 633.5
RMS 145.1
mV
30
20
10
0
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−50
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0
100
200
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400
500
600
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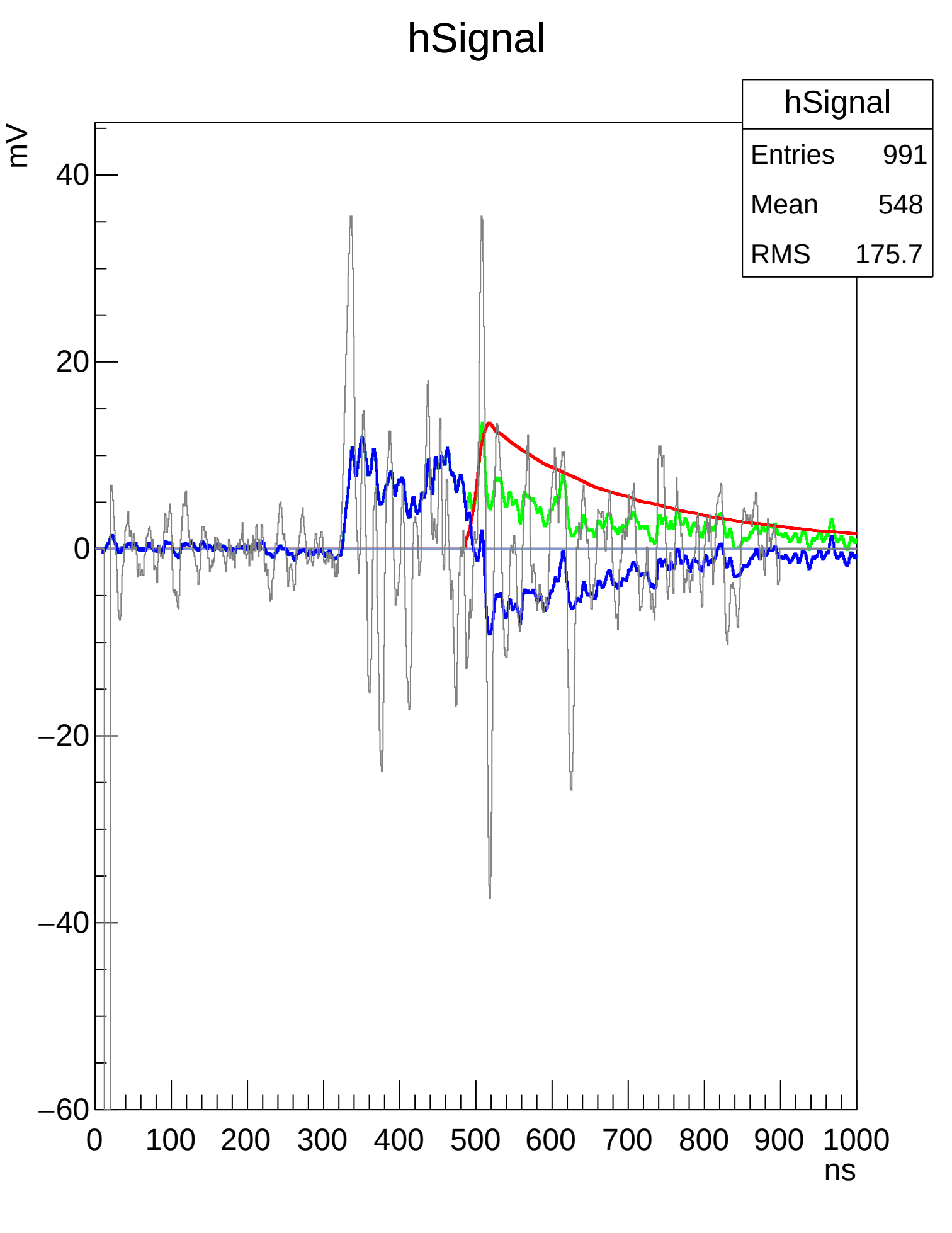
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548
RMS 175.7
mV
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−20
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100
200
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800
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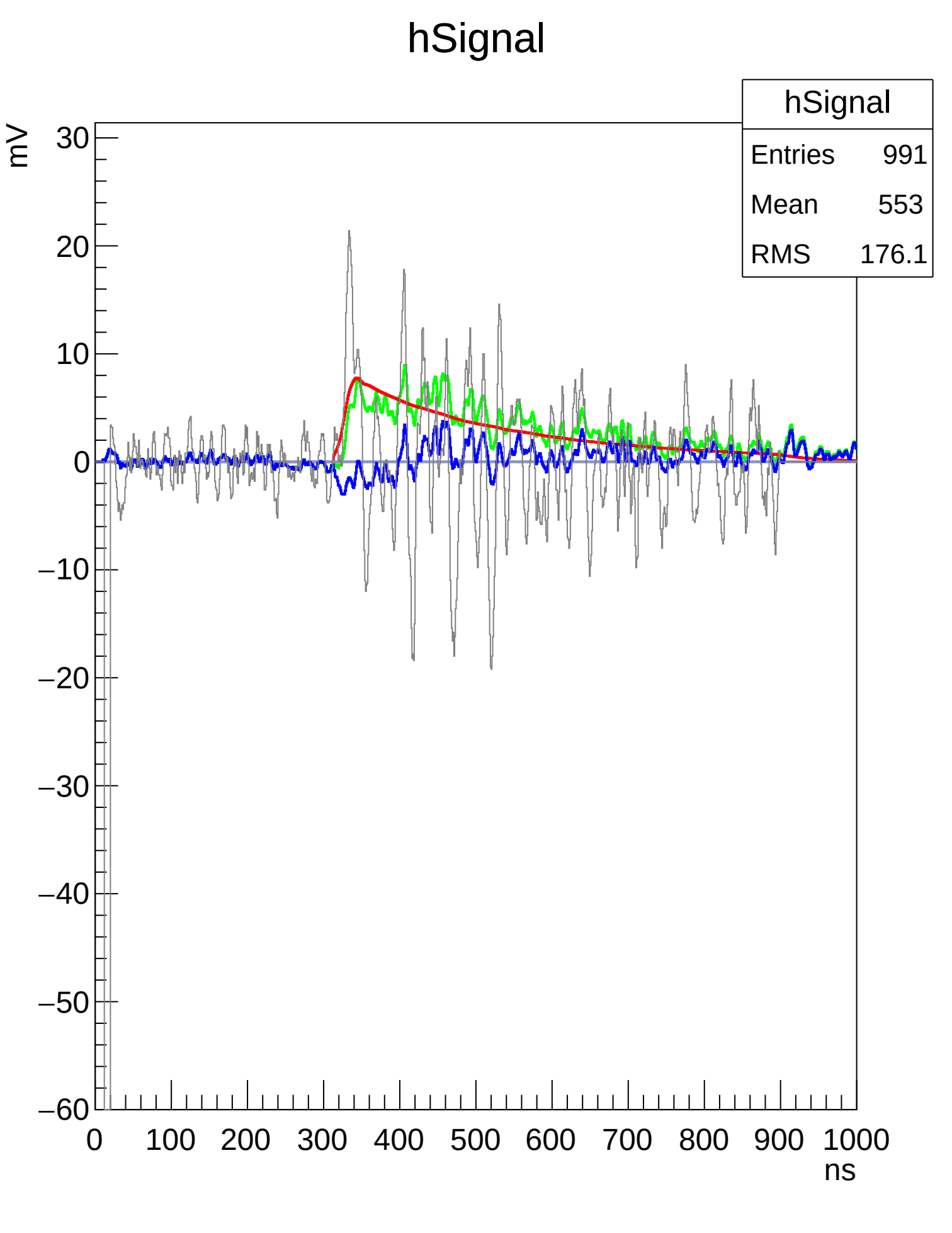
1000
ns


hSignal
hSignal
Entries 991
Mean 553
RMS 176.1
mV
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20
10
0
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−40
−50
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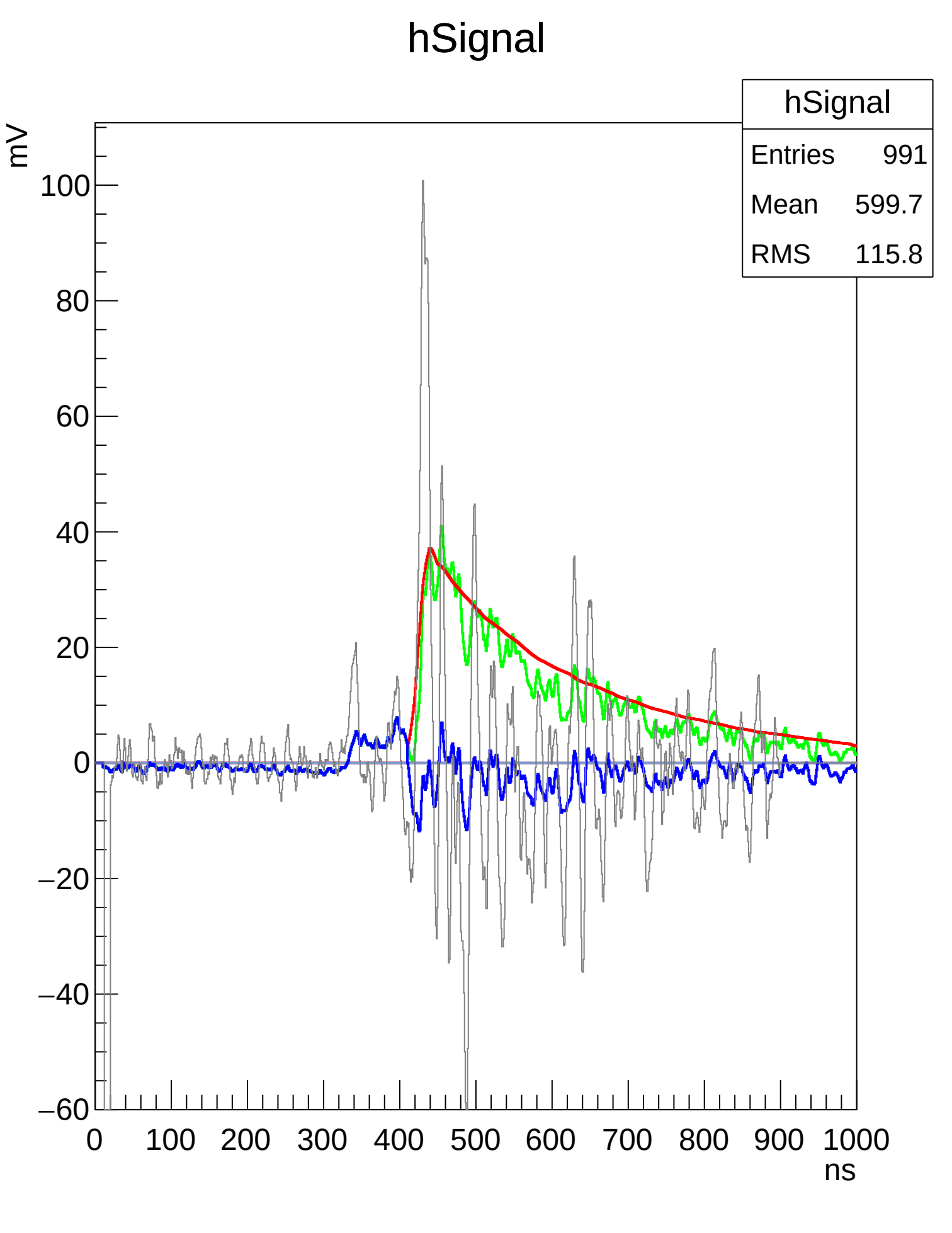
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.7
RMS 115.8
mV
100
80
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40
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0
100
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300
400
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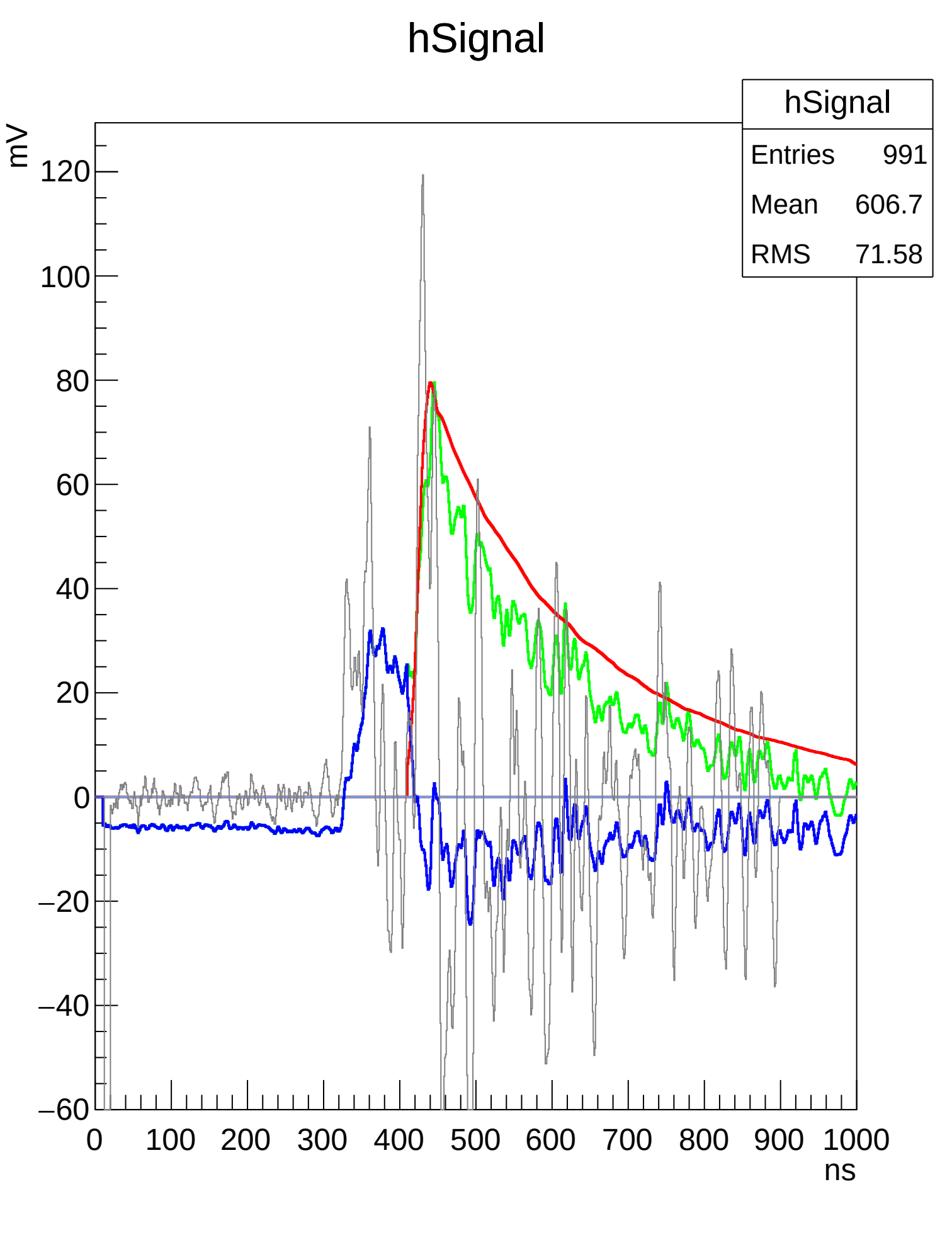
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.7
RMS 71.58
mV
120
100
80
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600
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1000
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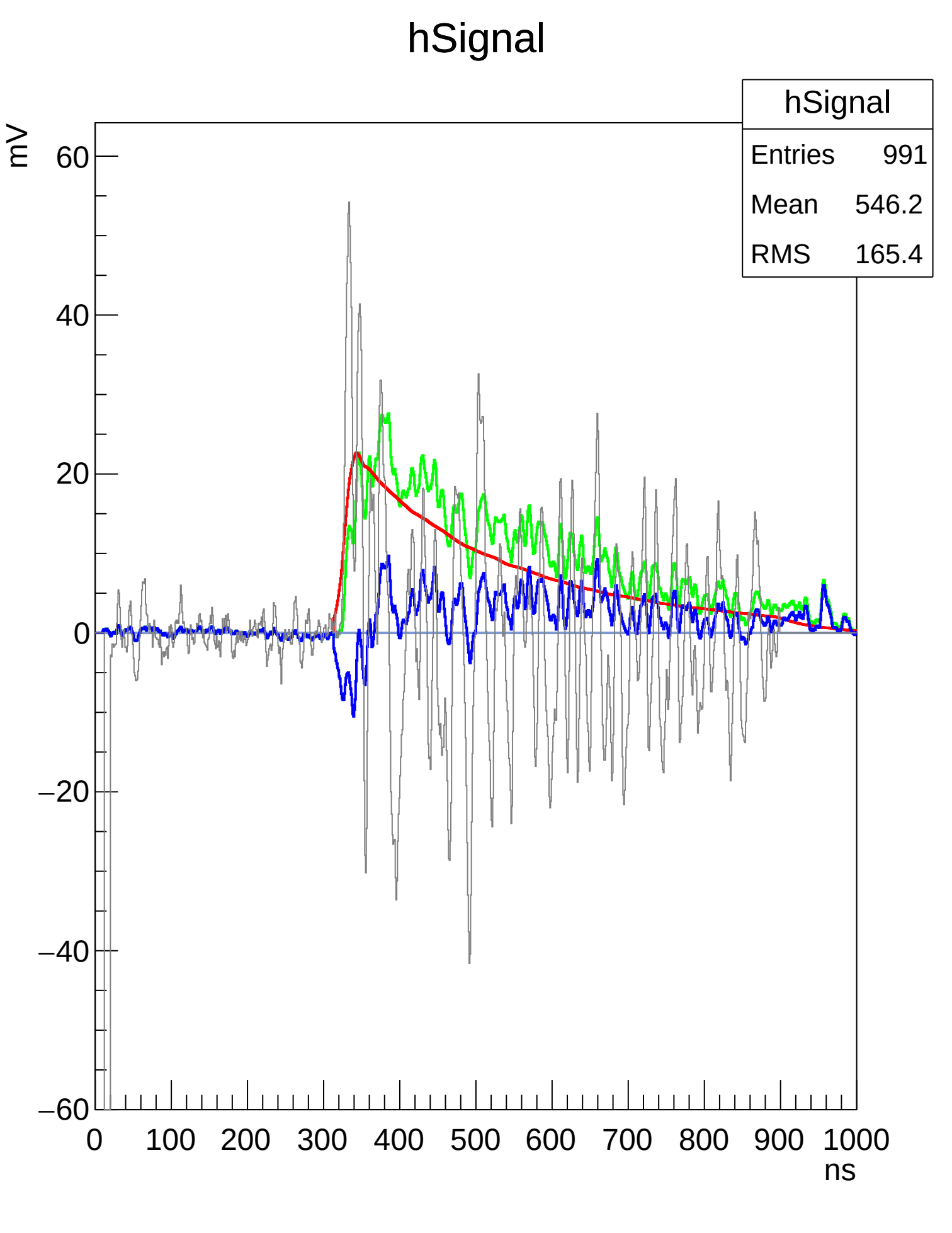
hSignal
hSignal
Entries 991
Mean 546.2
RMS 165.4
mV
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20
0
−20
−40
−60
0
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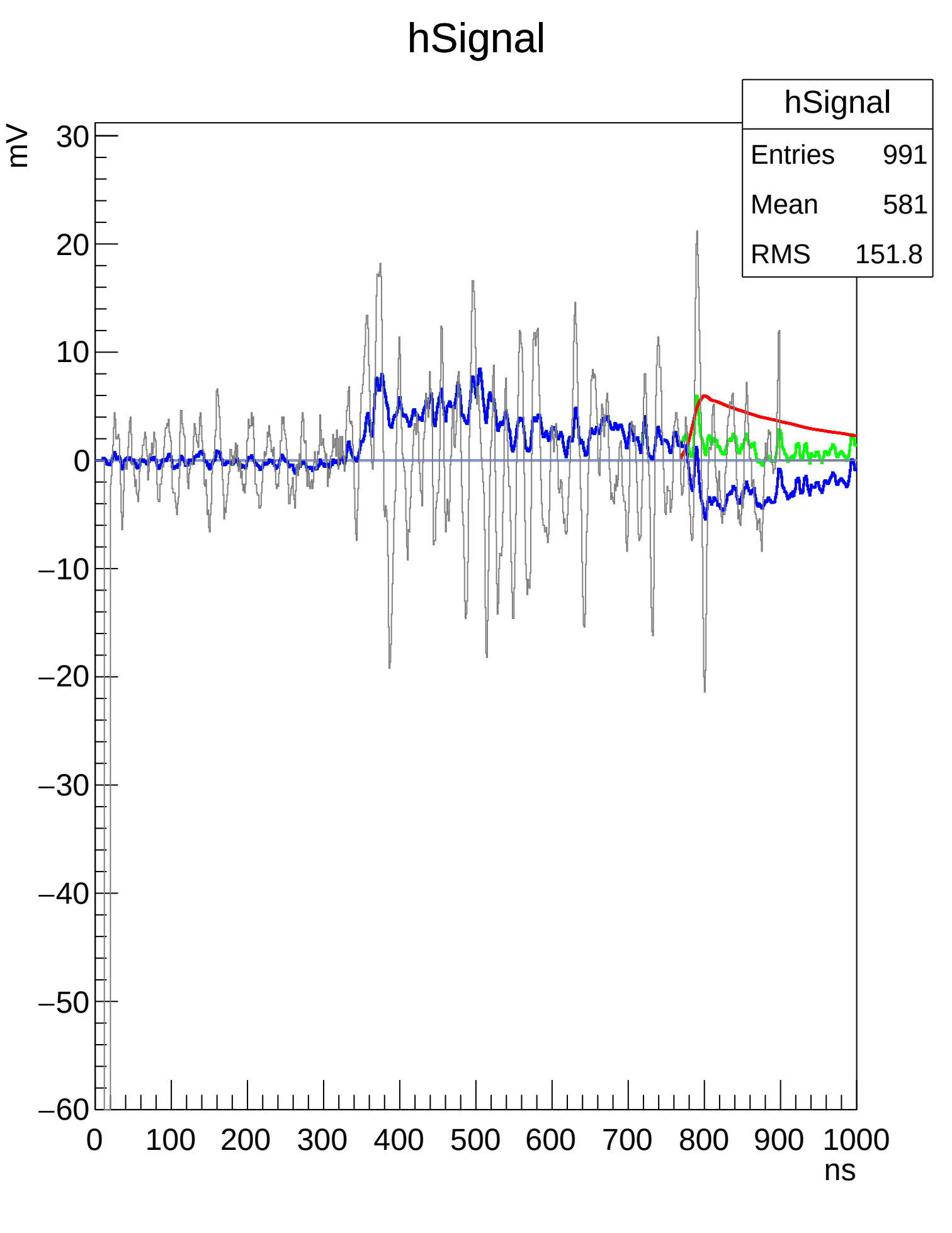
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 151.8
mV
30
20
10
0
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−40
−50
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0
100
200
300
400
500
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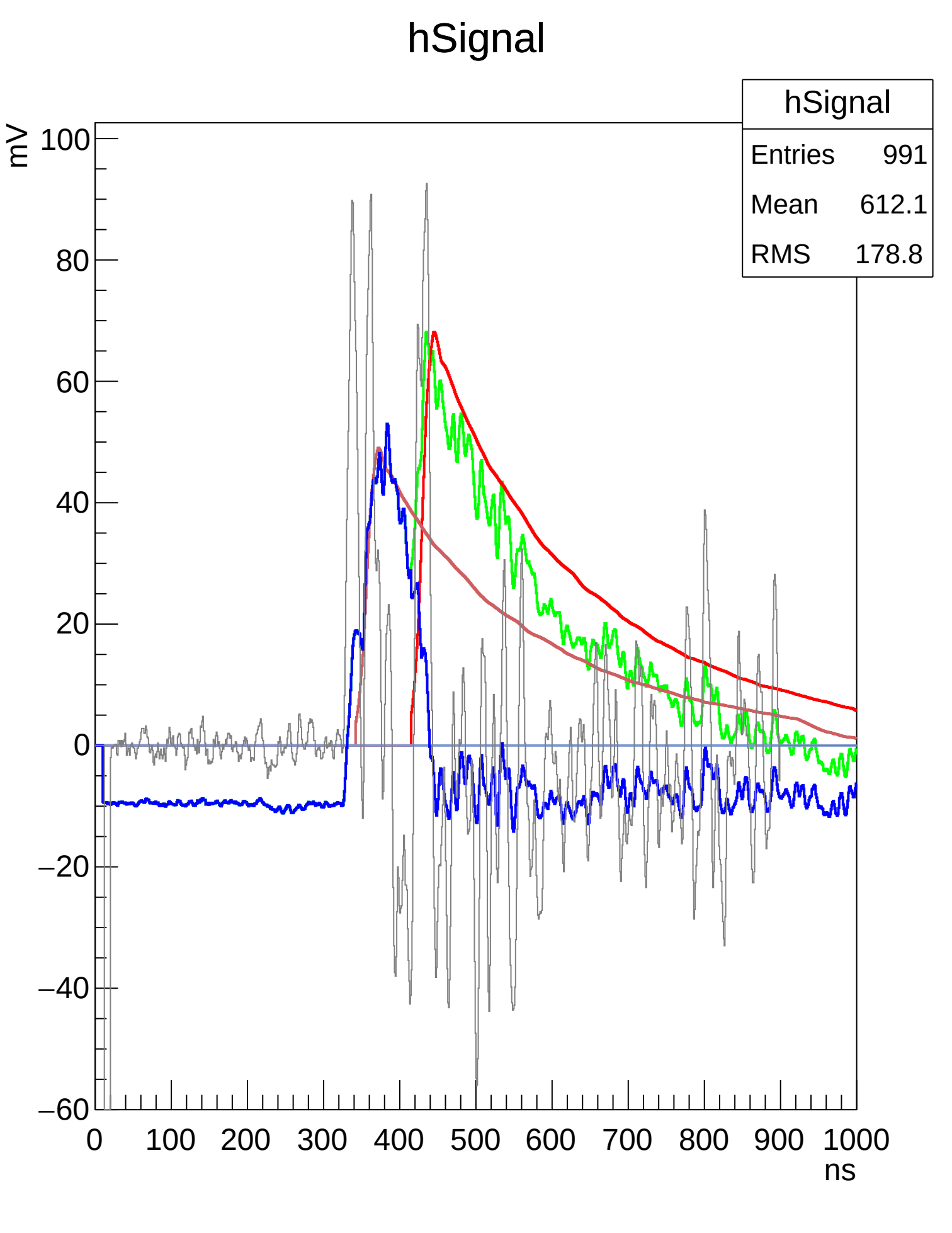
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.1
RMS 178.8
mV
100
80
60
40
20
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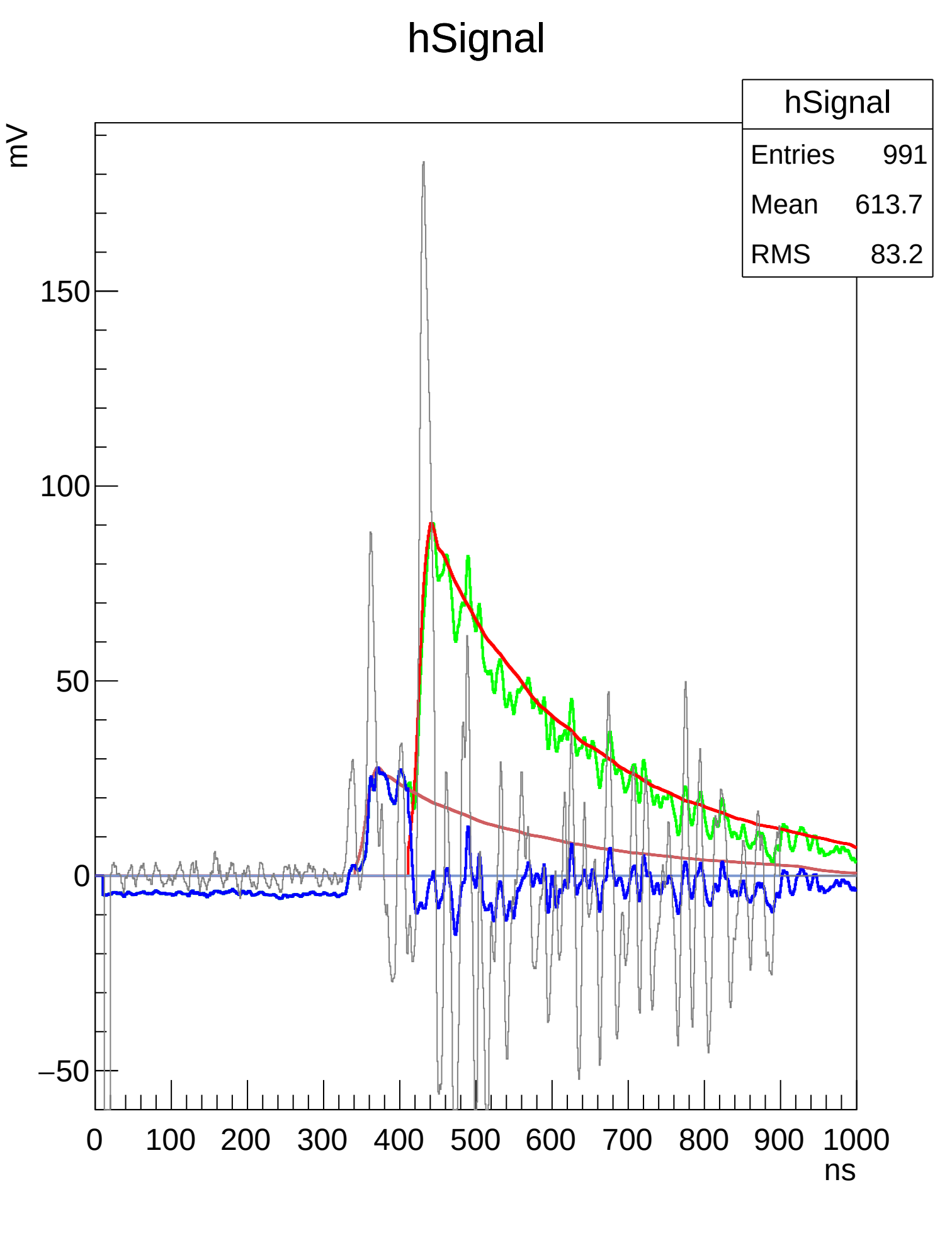
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.7
RMS 83.2
mV
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100
50
0
−50
0
100
200
300
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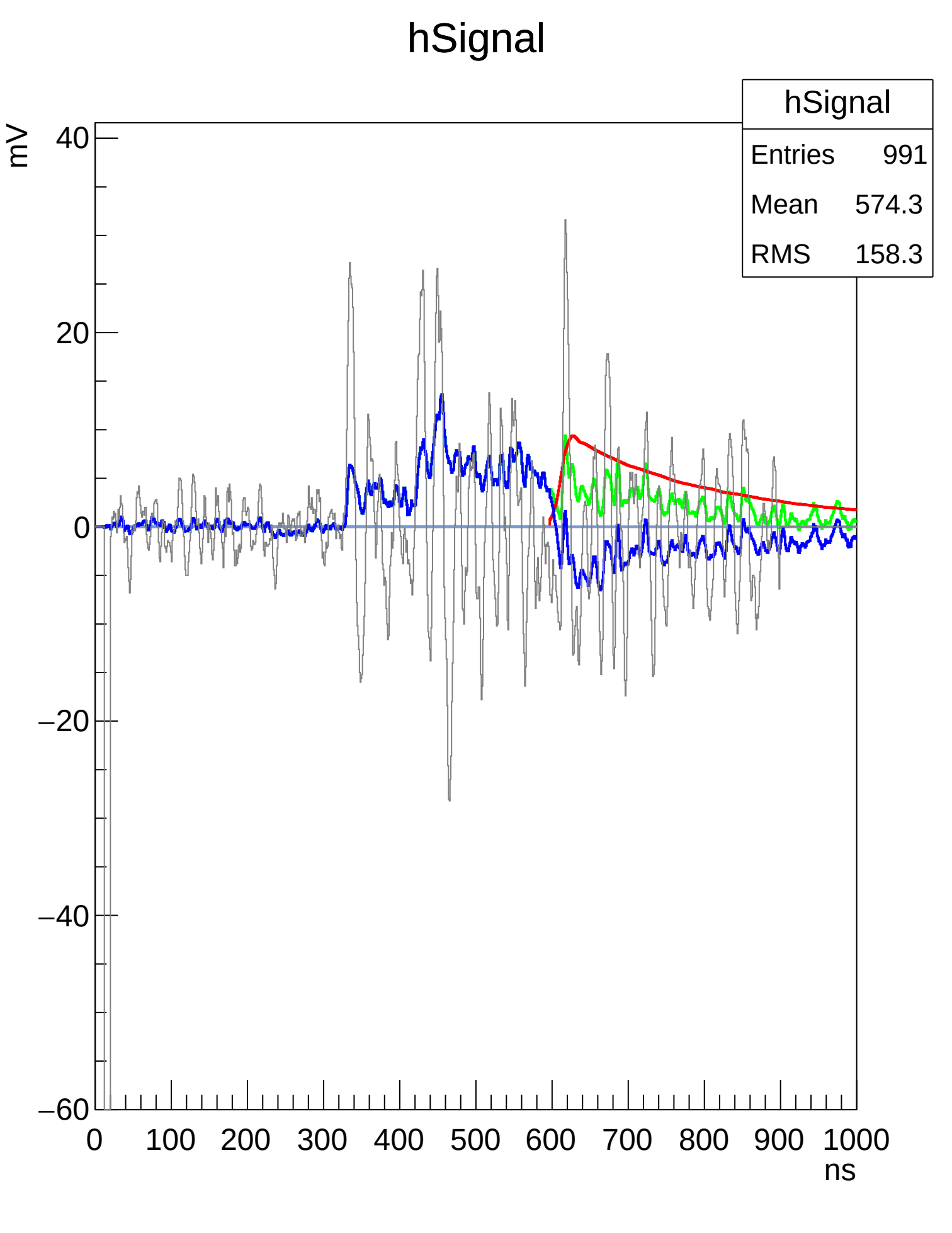
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 158.3
mV
40
20
0
−20
−40
−60
0
100
200
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400
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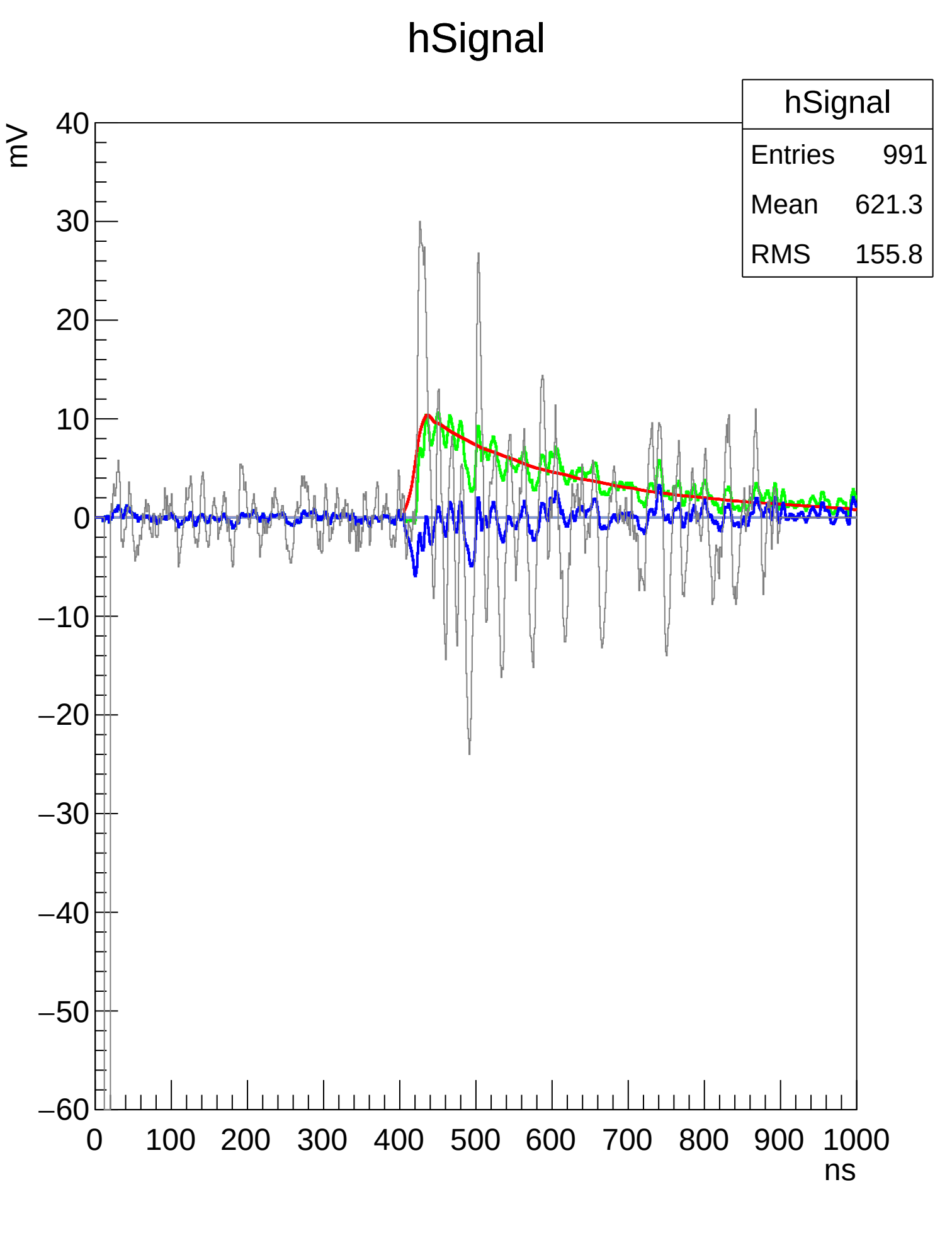
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.3
RMS 155.8
mV
40
30
20
10
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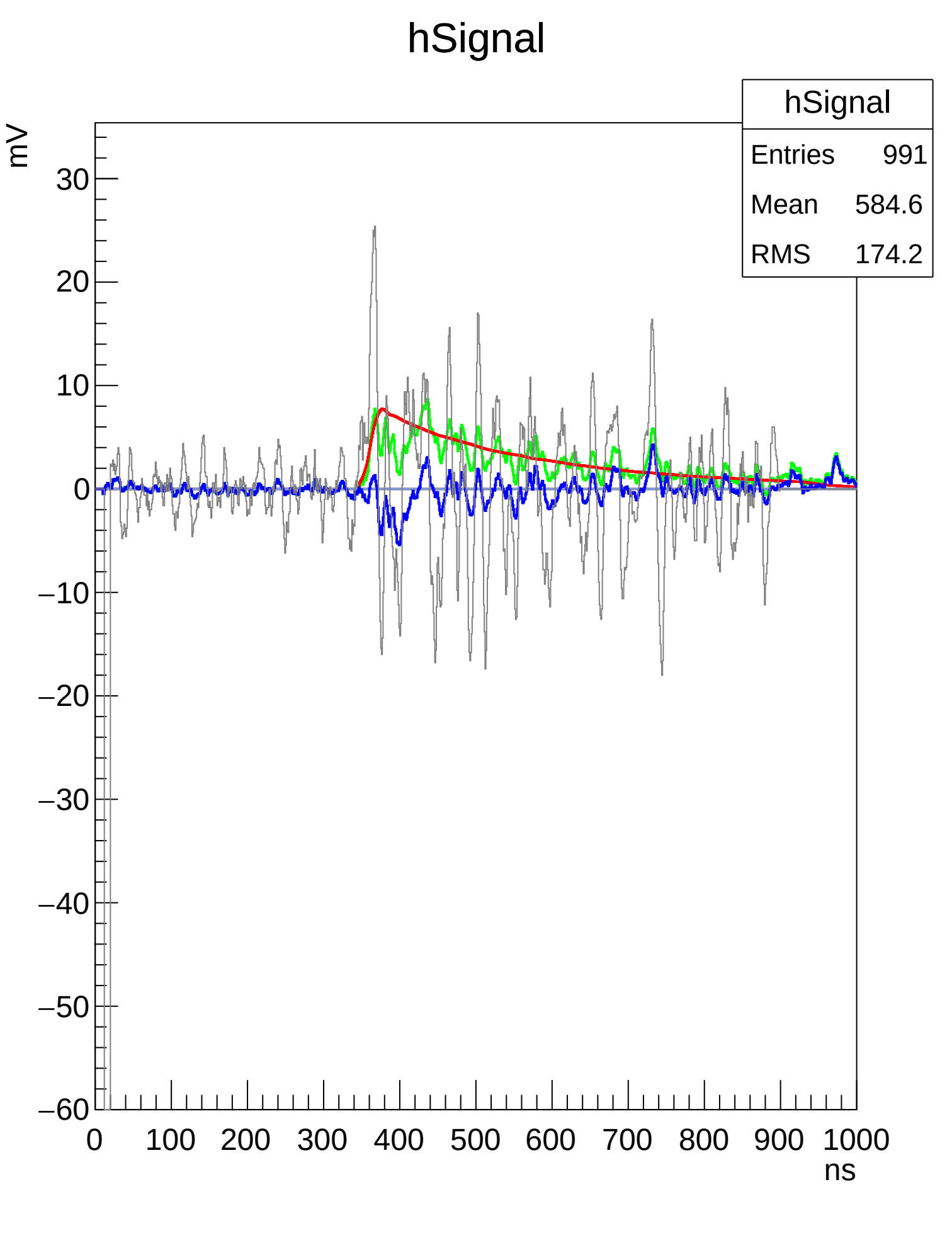
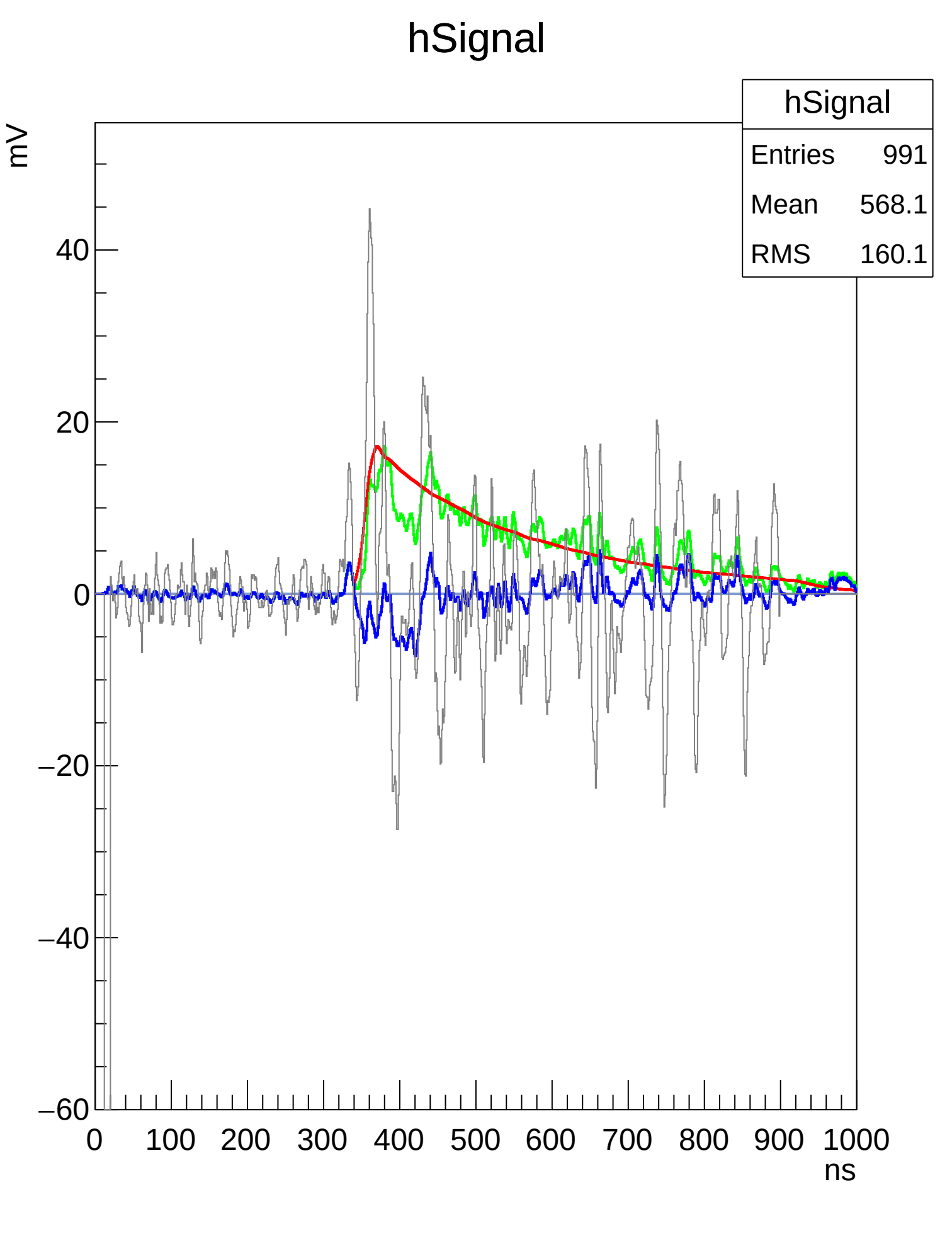
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.6
RMS 174.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.1
RMS 160.1
mV
40
20
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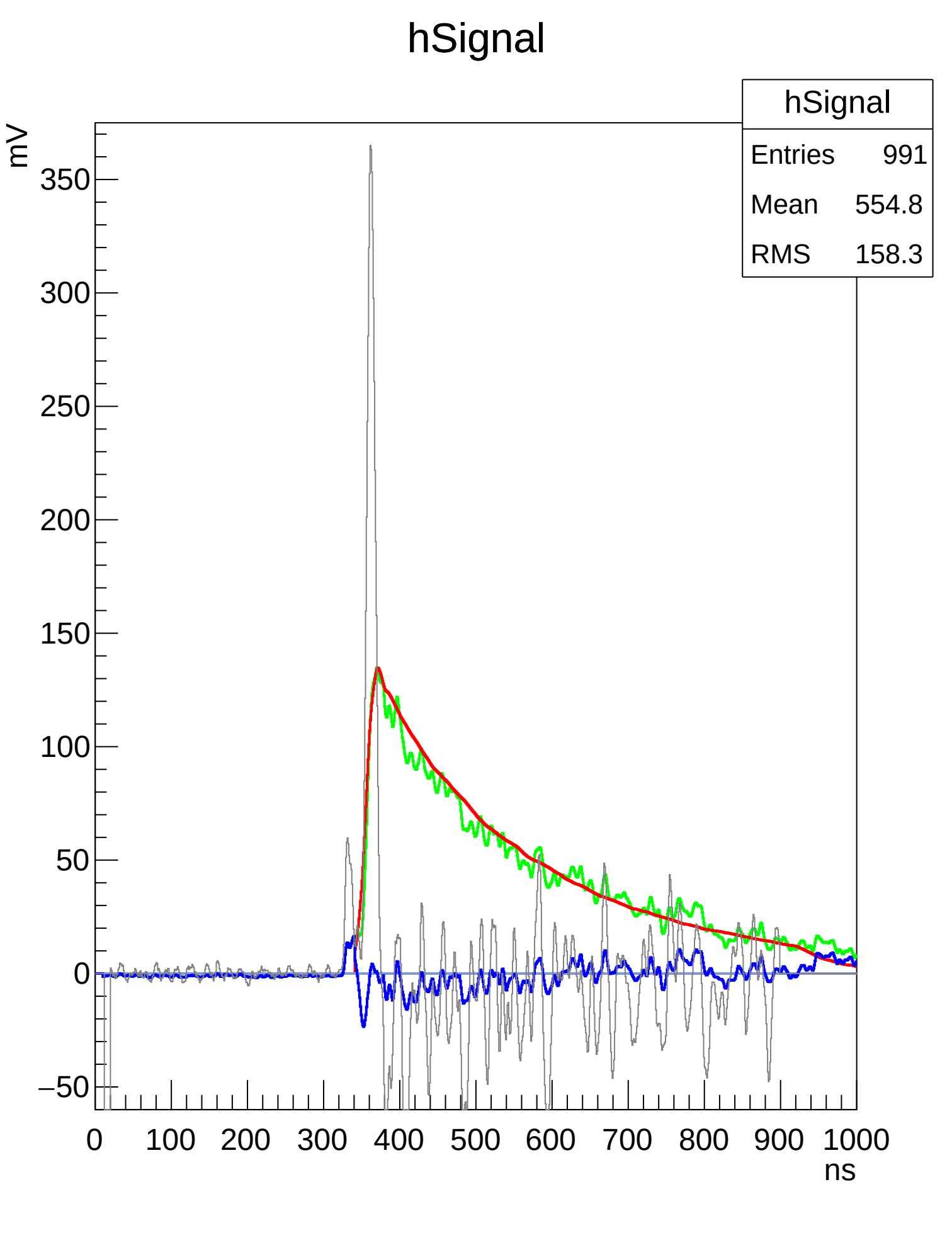
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.8
RMS 158.3
mV
350
300
250
200
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100
50
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0
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400
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1000
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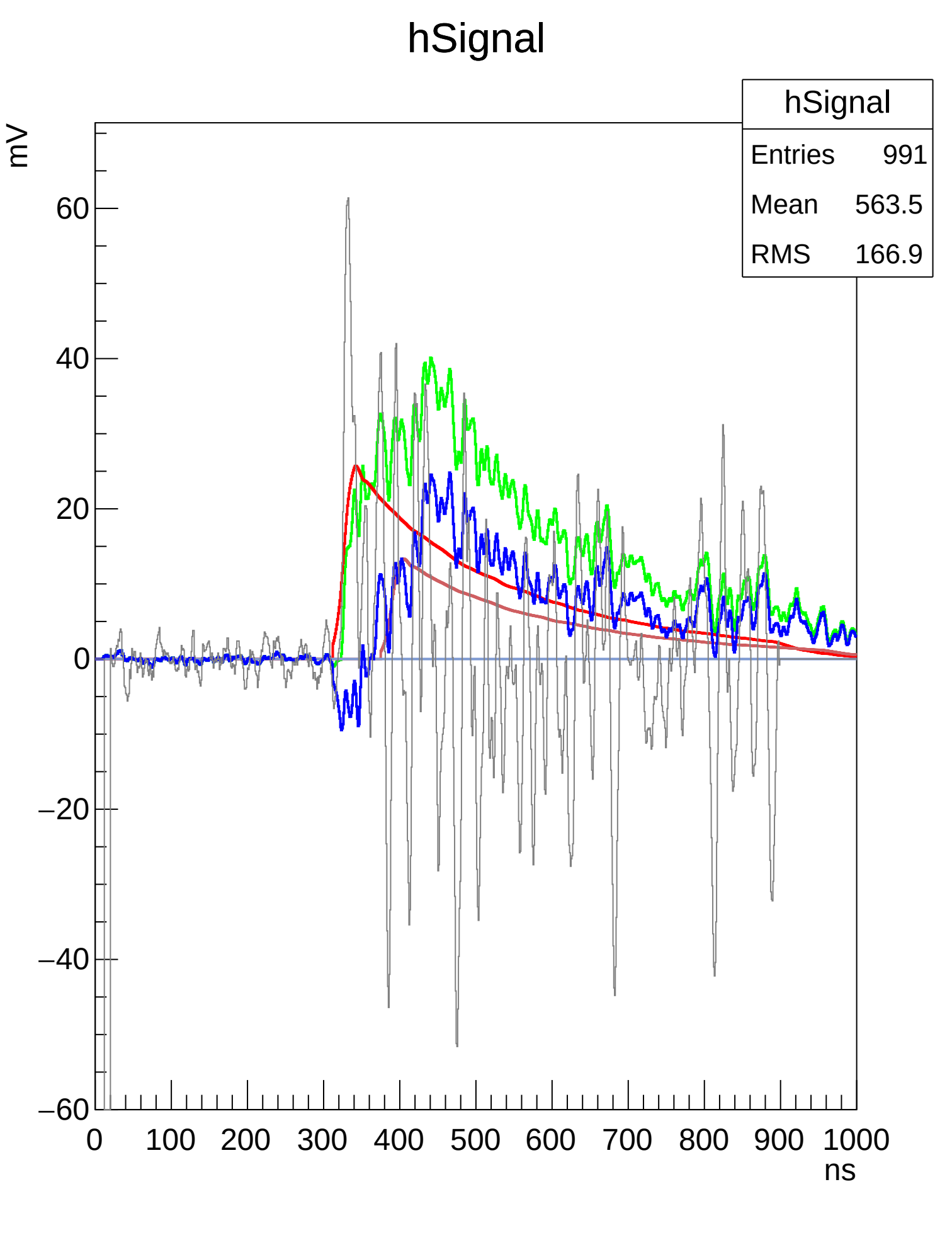
hSignal
hSignal
Entries 991
Mean 563.5
RMS 166.9
mV
60
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20
0
−20
−40
−60
0
100
200
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400
500
600
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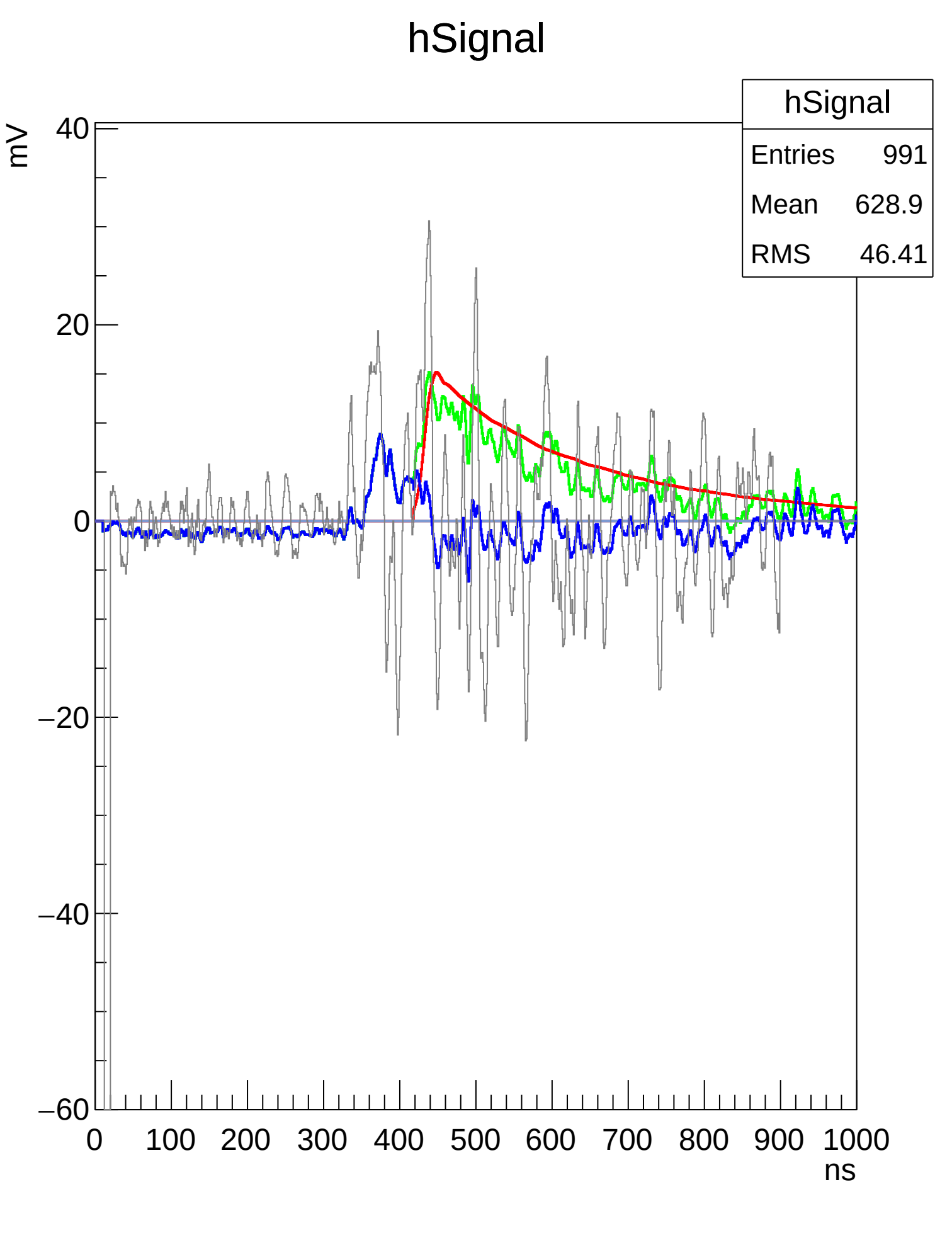
800
900
1000
ns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hSignal
Entries 991
Mean 628.9
RMS 46.41
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0
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1000
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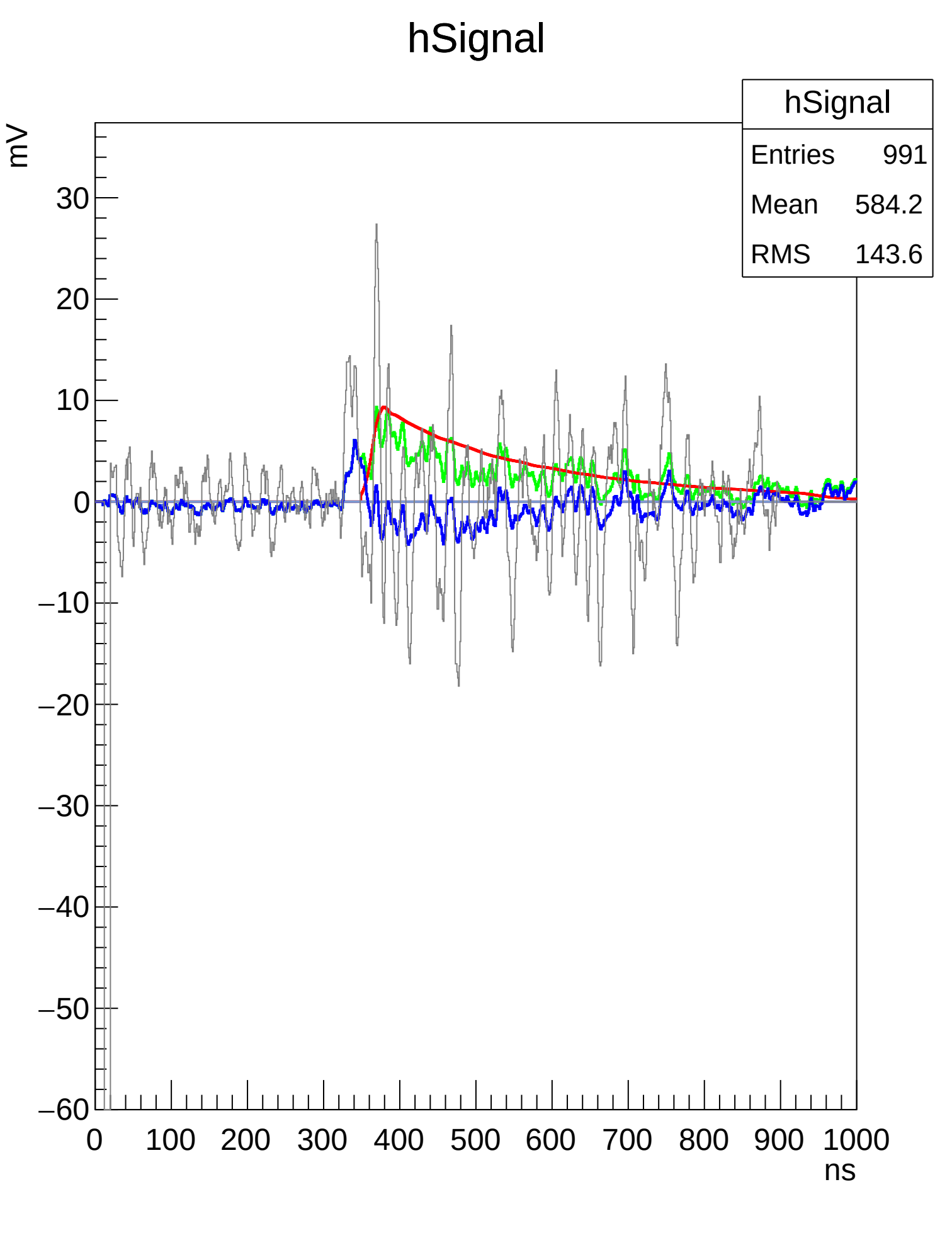
hSignal
hSignal
Entries 991
Mean 584.2
RMS 143.6
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
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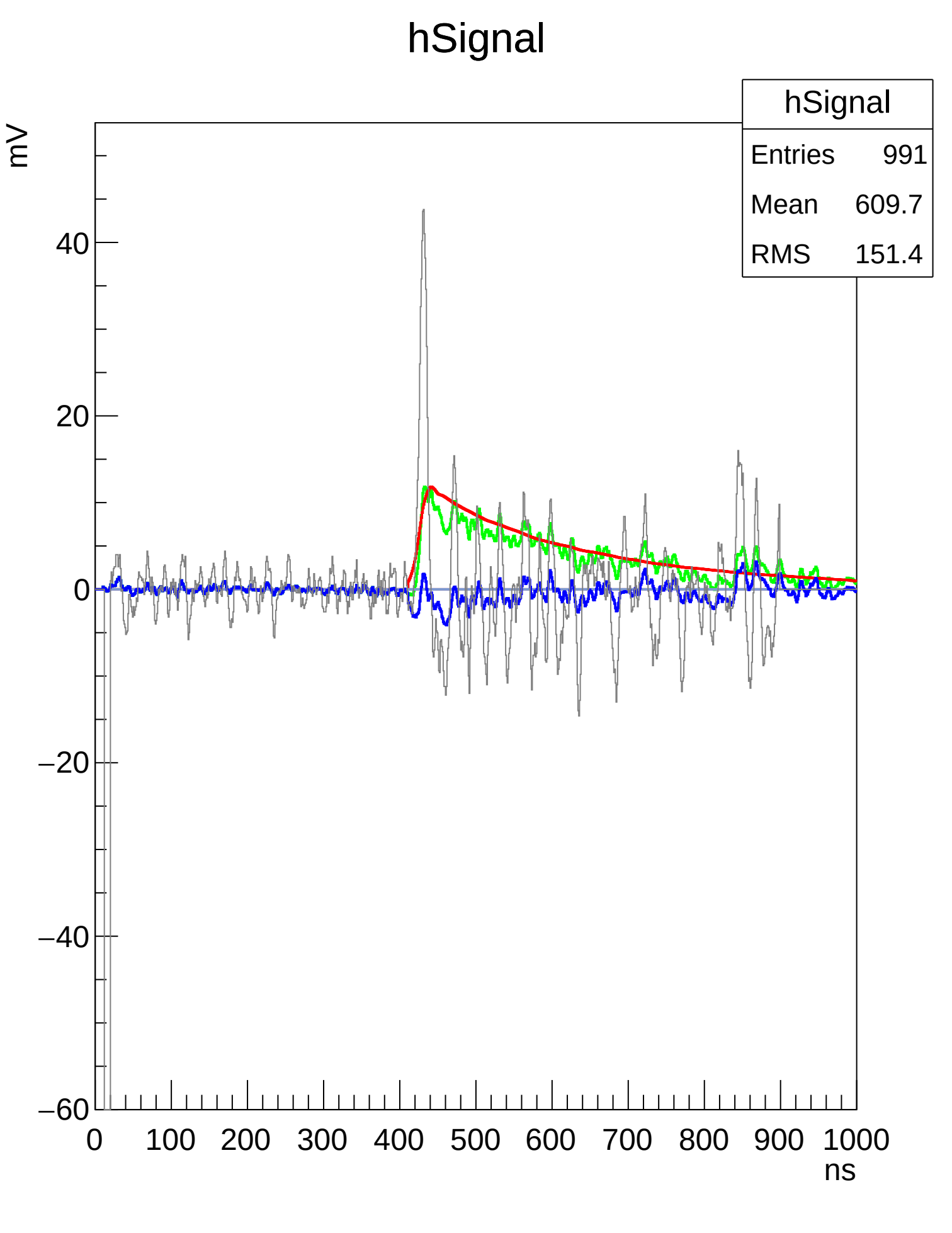
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.7
RMS 151.4
mV
40
20
0
−20
−40
−60
0
100
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600
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800
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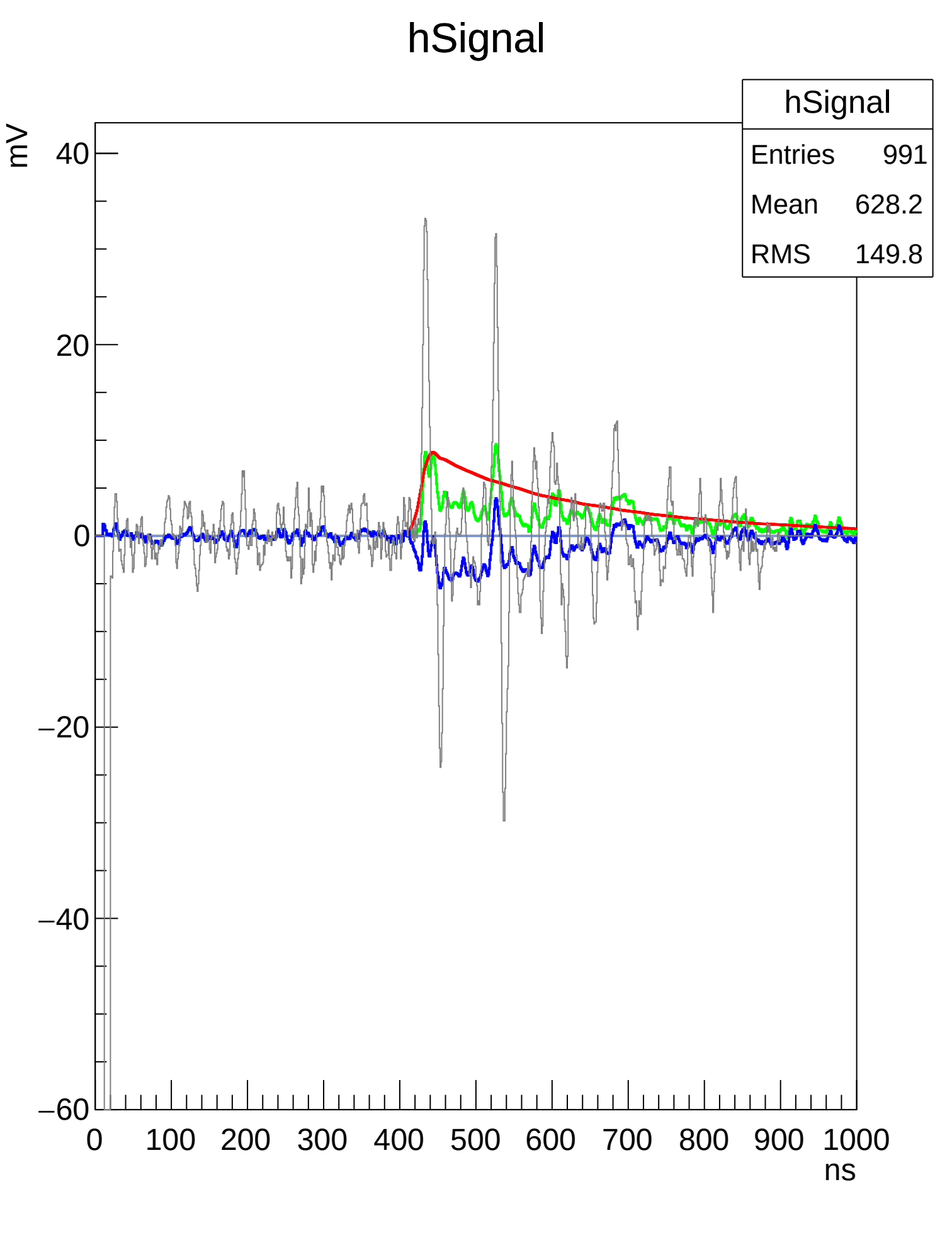
1000
ns


hSignal
hSignal
Entries 991
Mean 628.2
RMS 149.8
mV
40
20
0
−20
−40
−60
0
100
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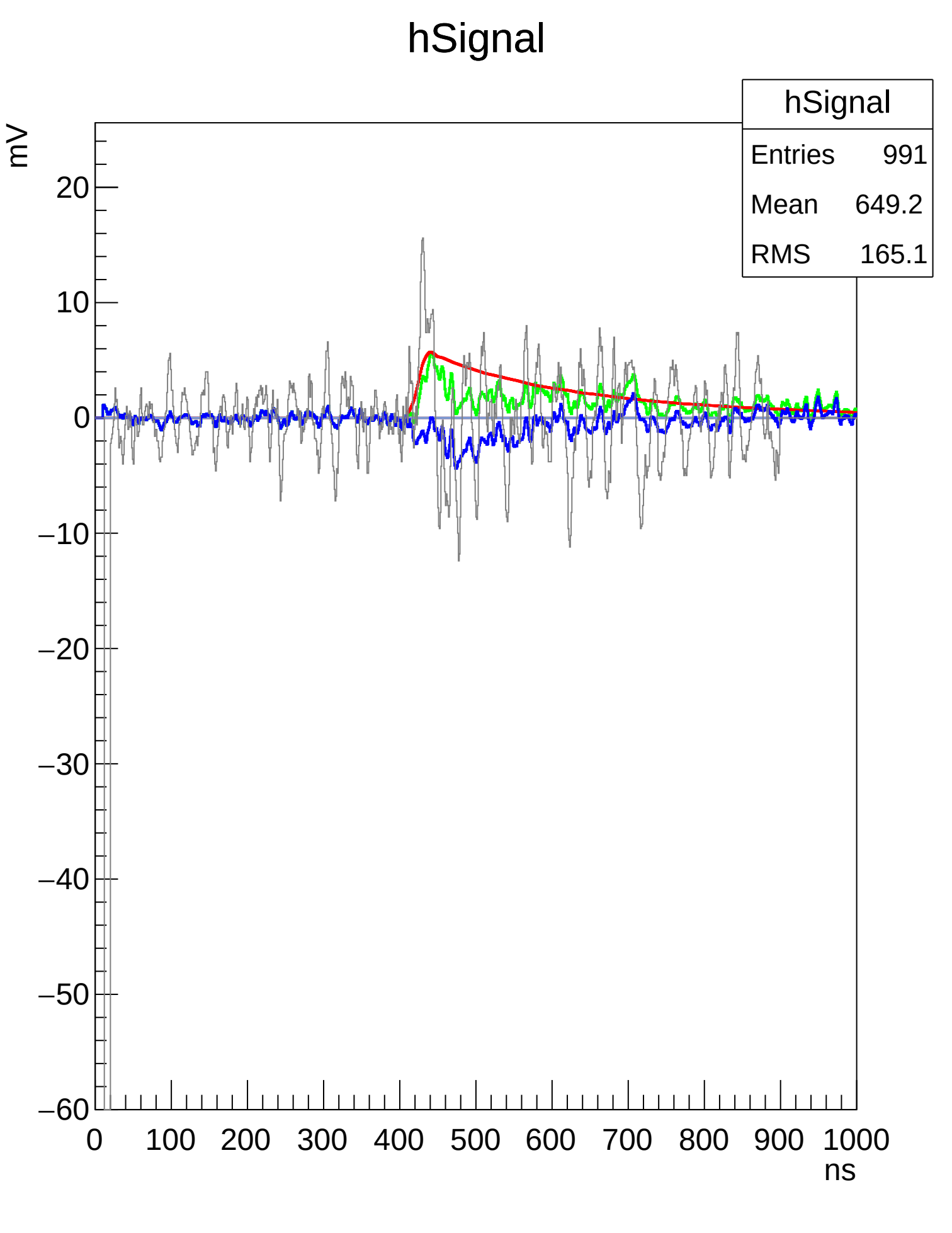
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 649.2
RMS 165.1
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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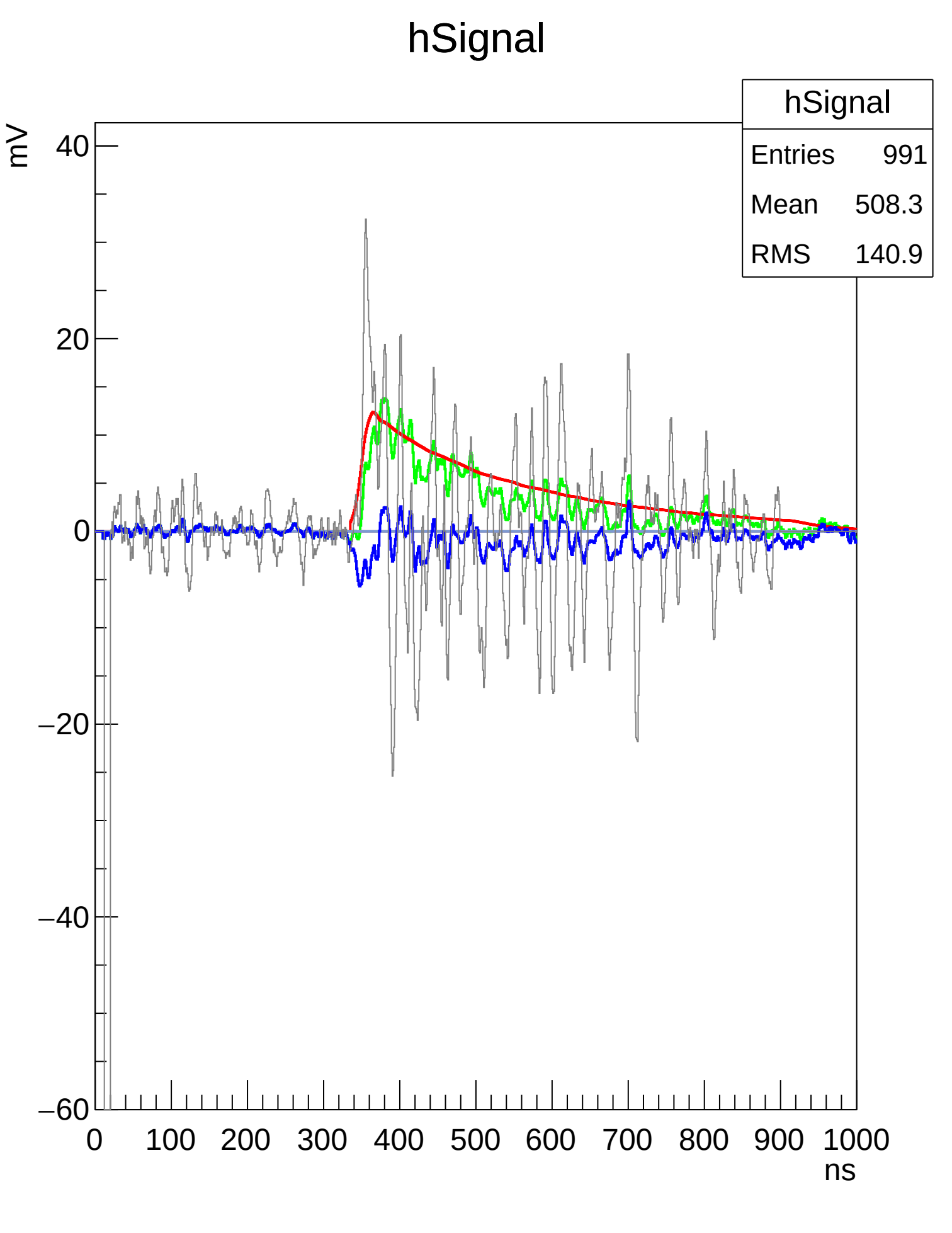
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.3
RMS 140.9
mV
40
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0
−20
−40
−60
0
100
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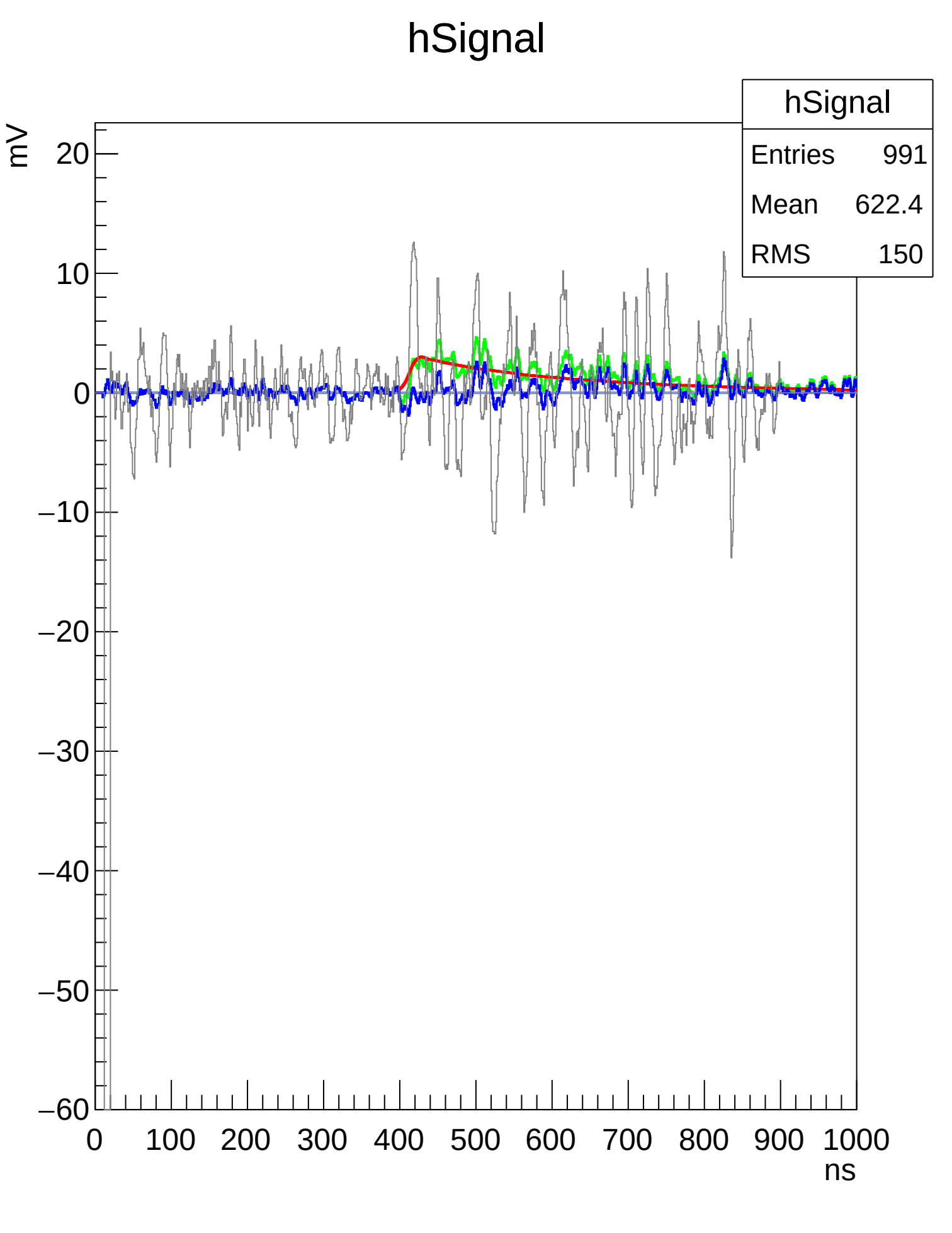
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.4
RMS 150
mV
20
10
0
−10
−20
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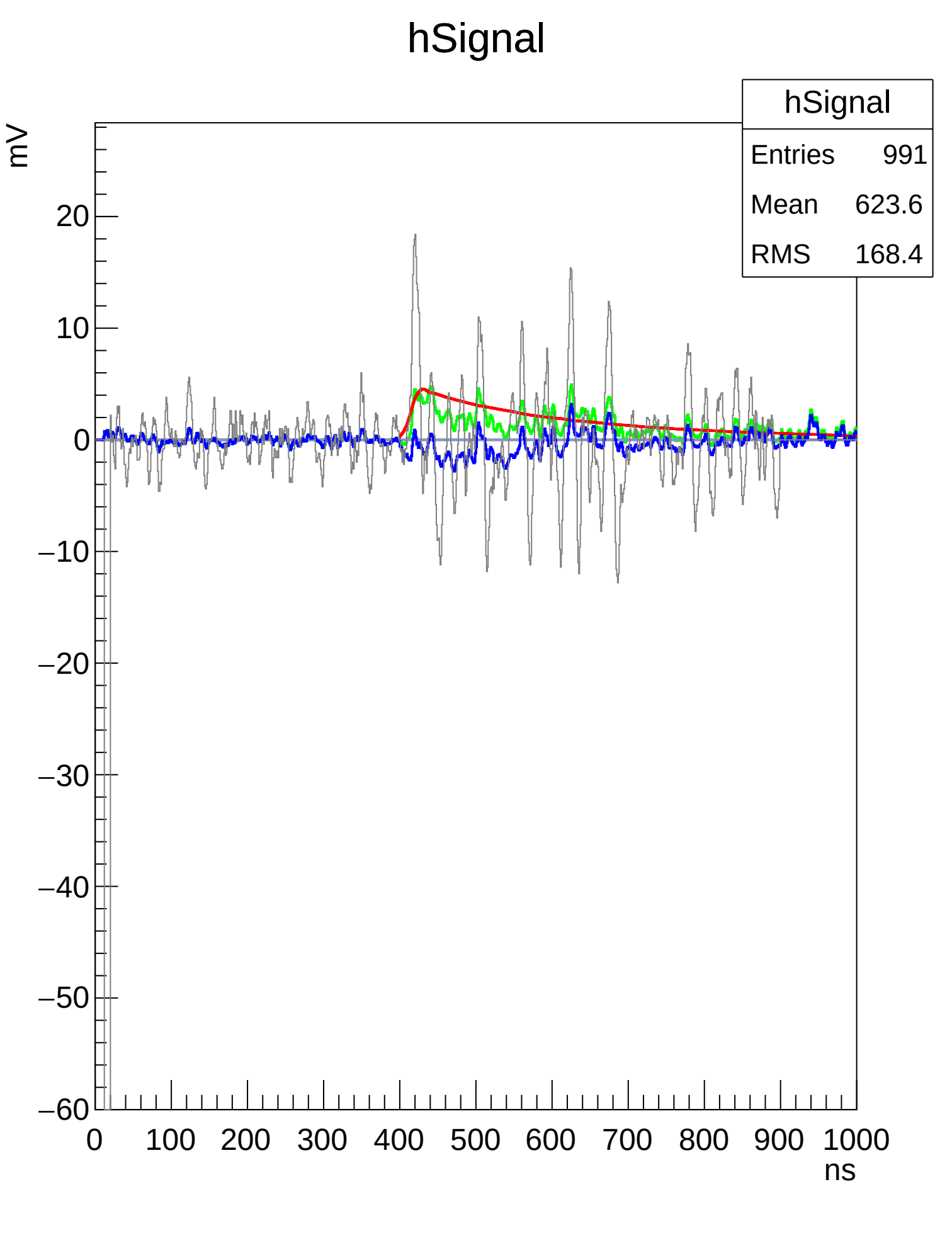
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.6
RMS 168.4
mV
20
10
0
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−20
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−40
−50
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0
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200
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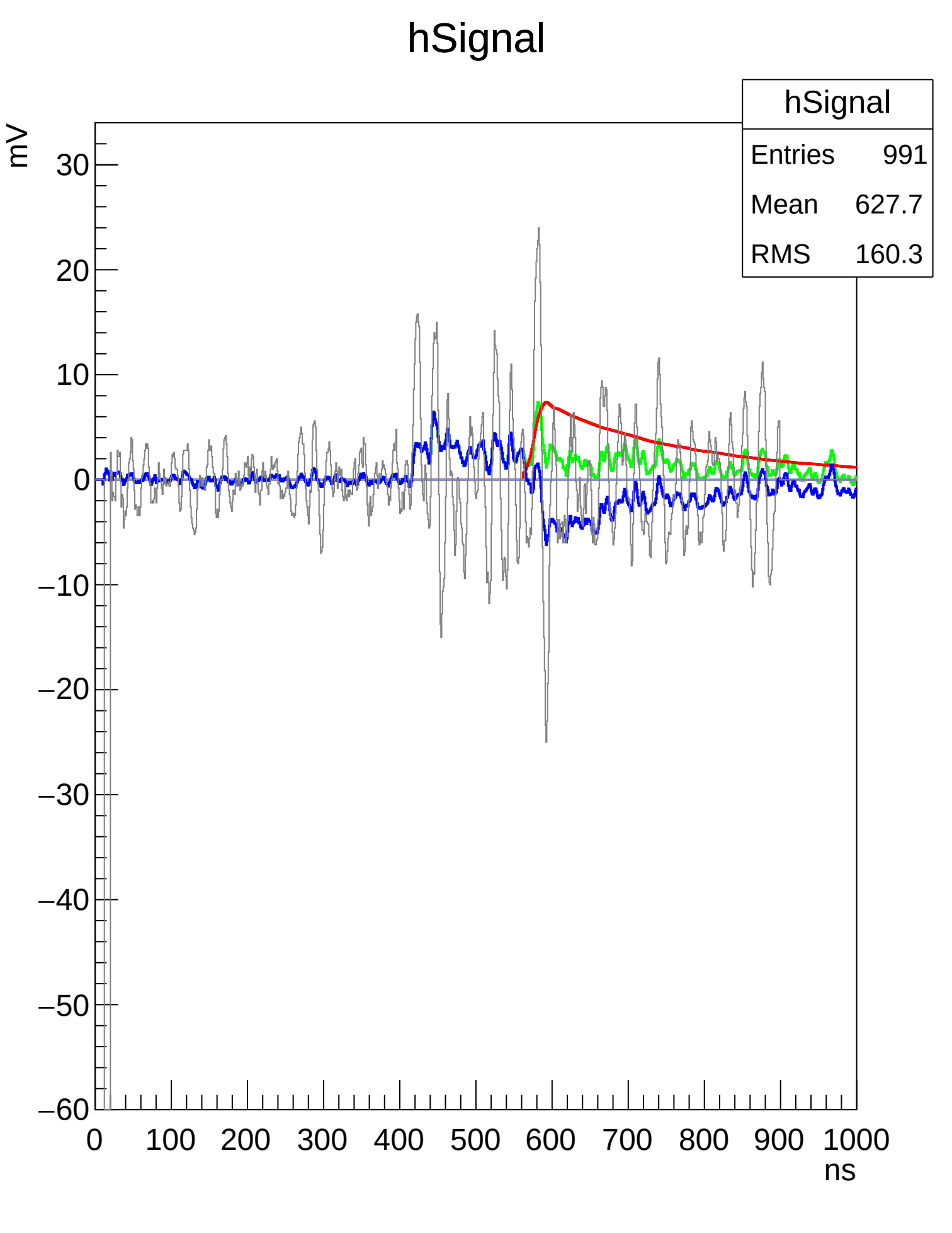
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.7
RMS 160.3
mV
30
20
10
0
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−40
−50
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0
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200
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400
500
600
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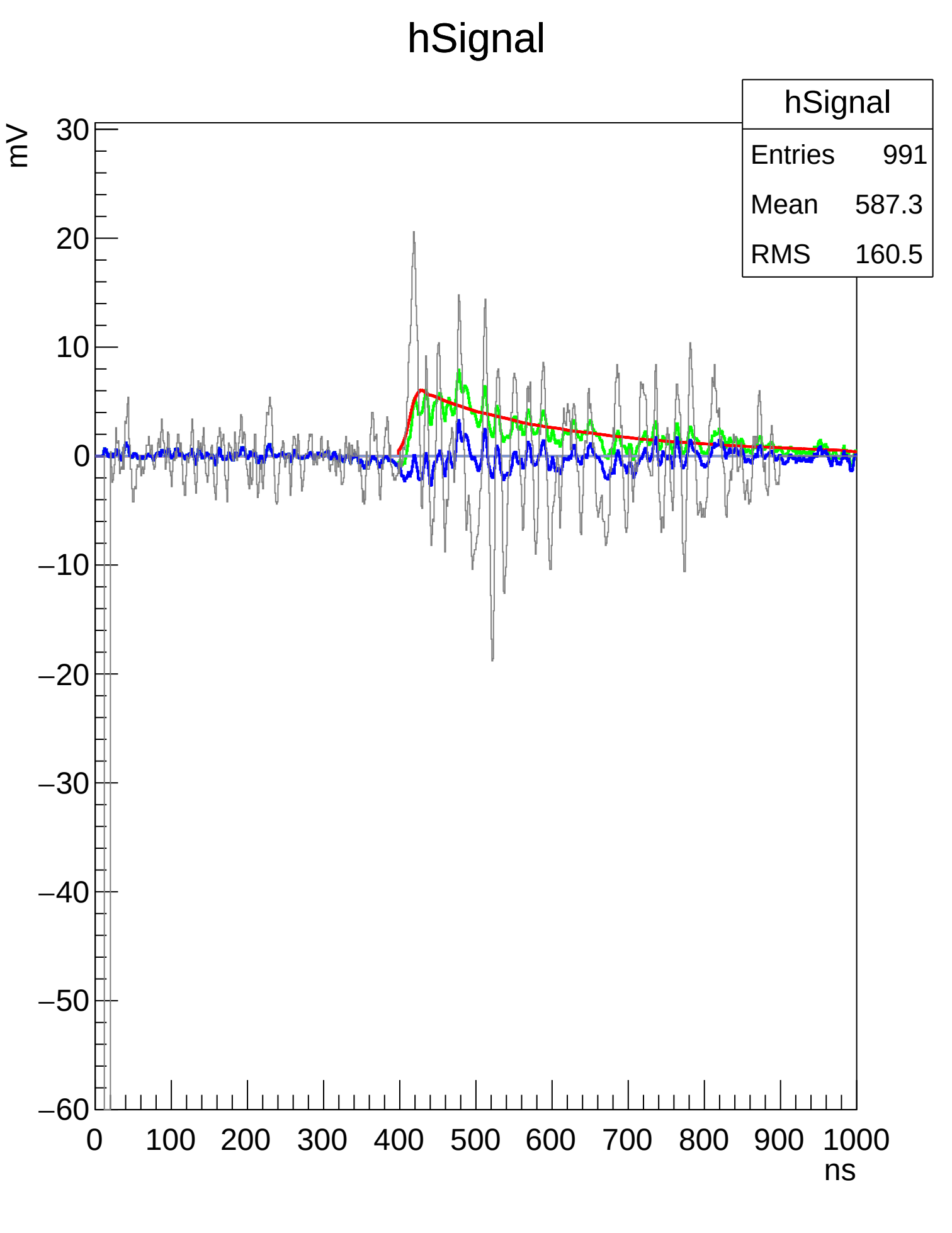
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.3
RMS 160.5
mV
30
20
10
0
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−40
−50
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0
100
200
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400
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600
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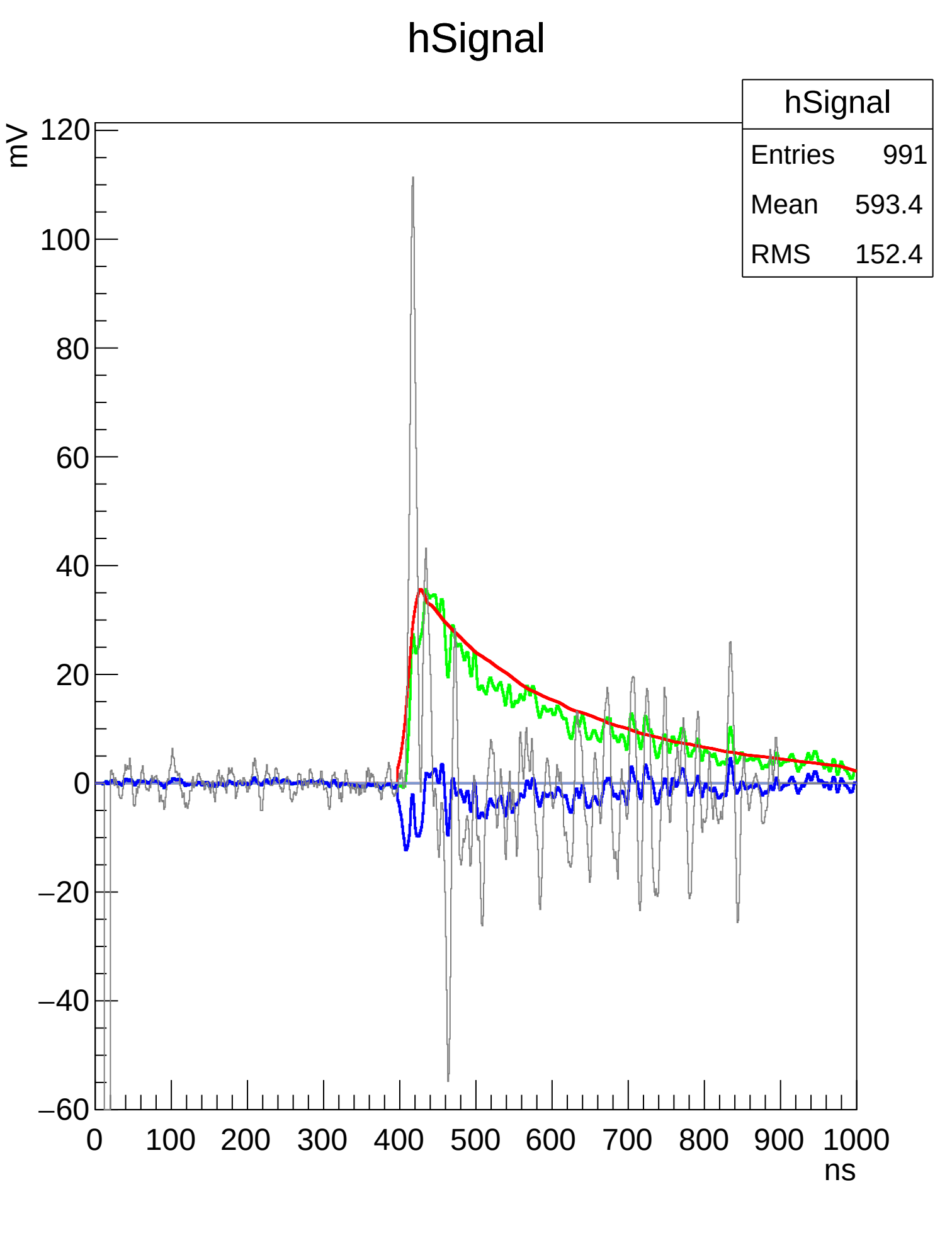
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 152.4
mV
120
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
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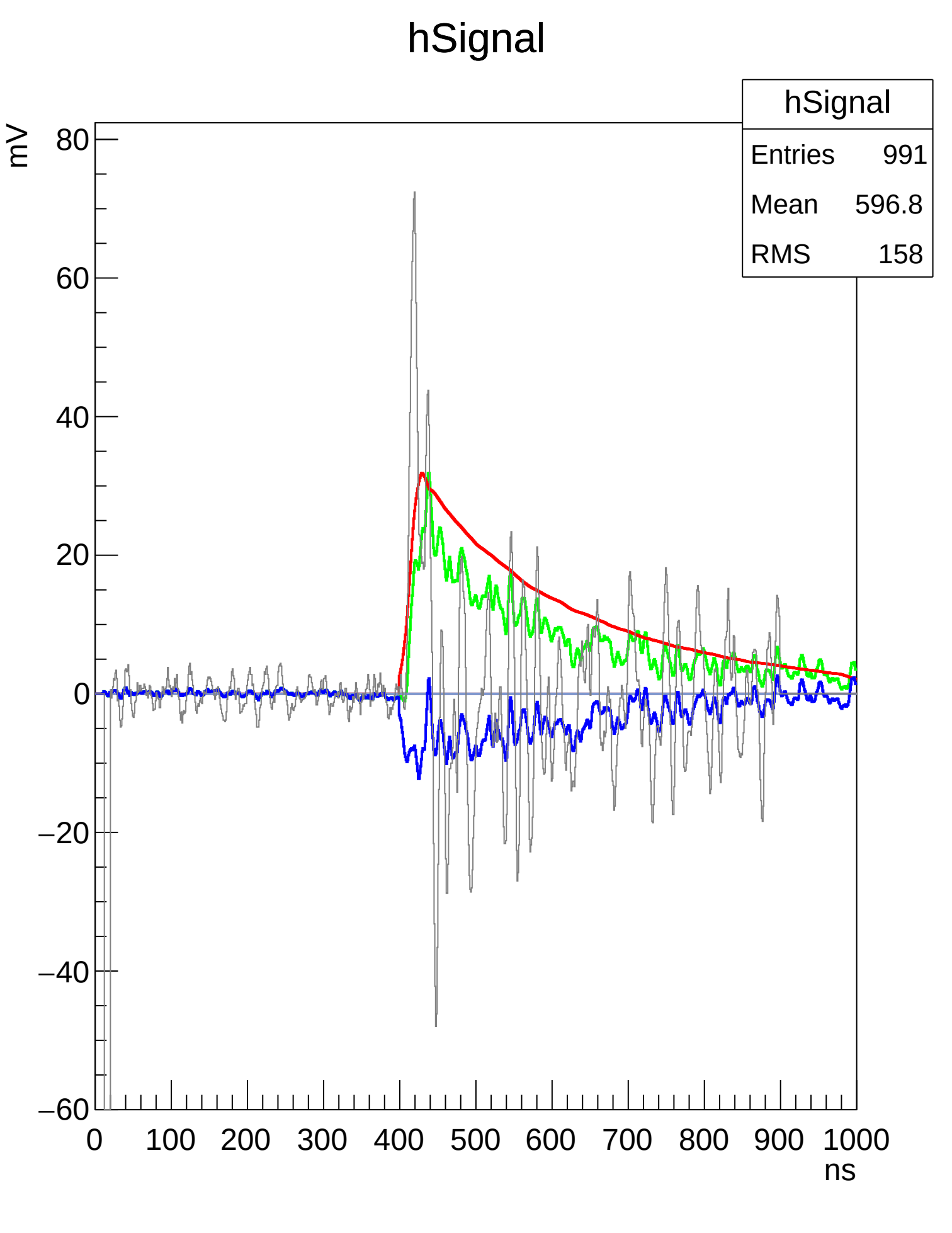
hSignal
hSignal
Entries 991
Mean 596.8
RMS 158
mV
80
60
40
20
0
−20
−40
−60
0
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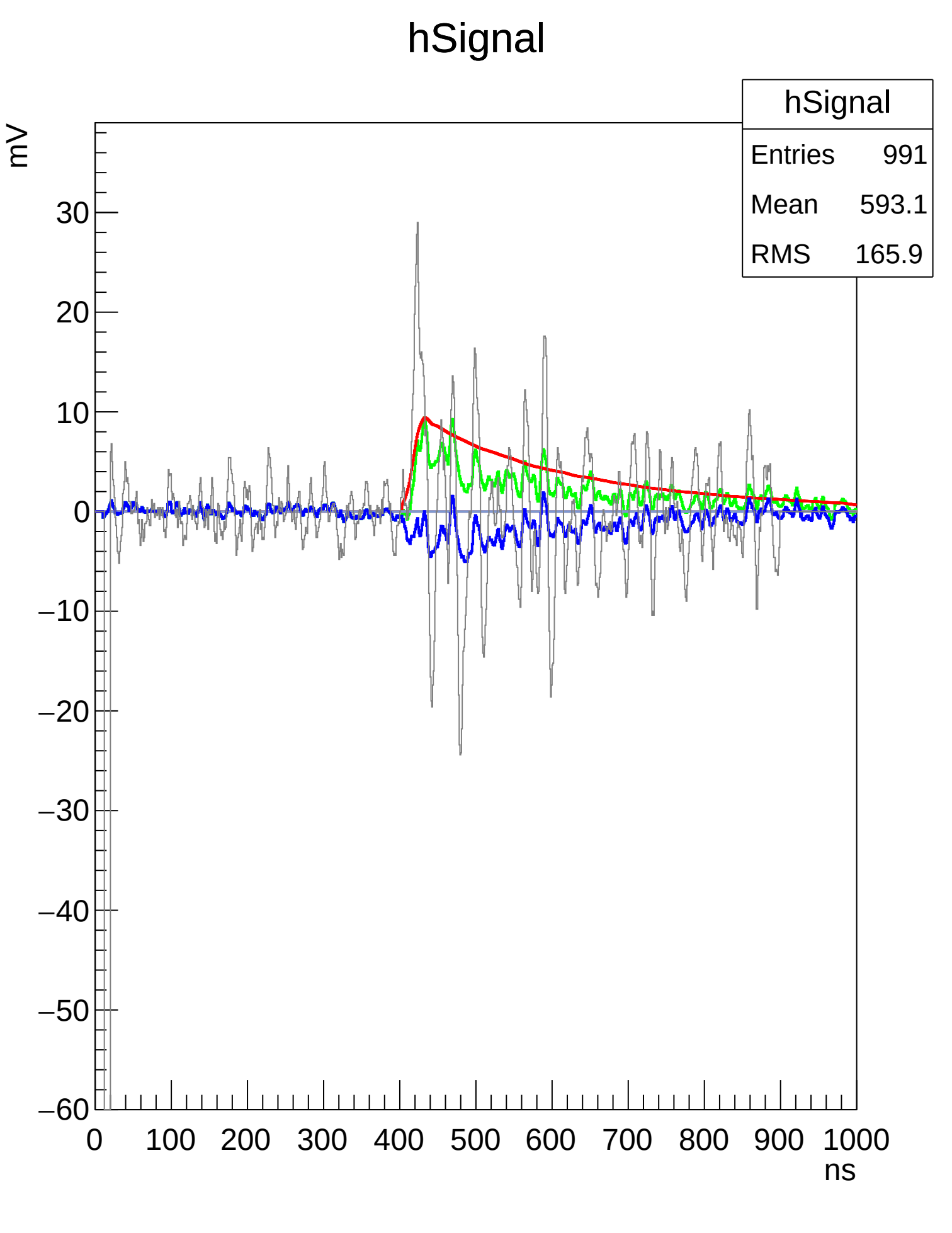
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.1
RMS 165.9
mV
30
20
10
0
−10
−20
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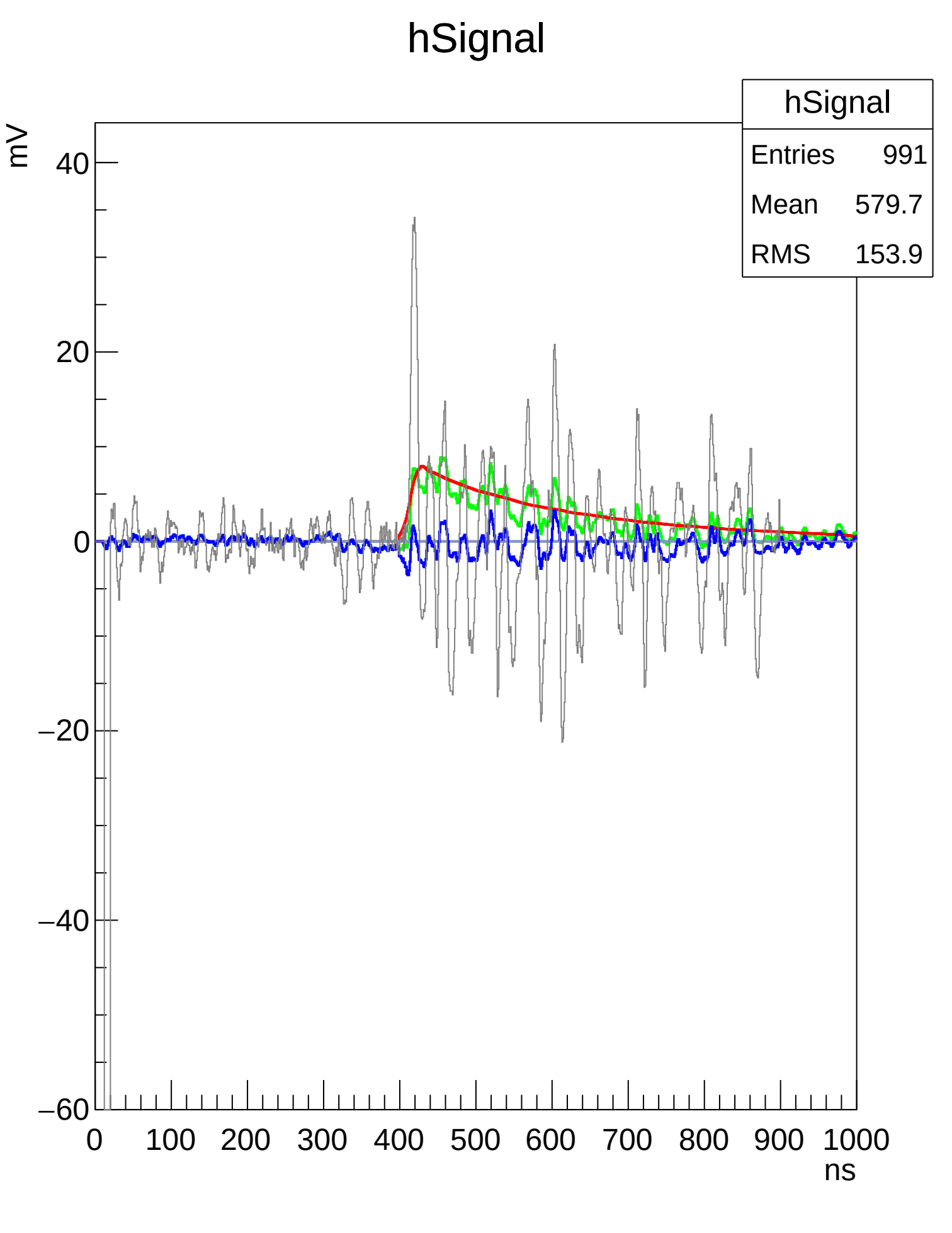
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.7
RMS 153.9
mV
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−20
−40
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0
100
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600
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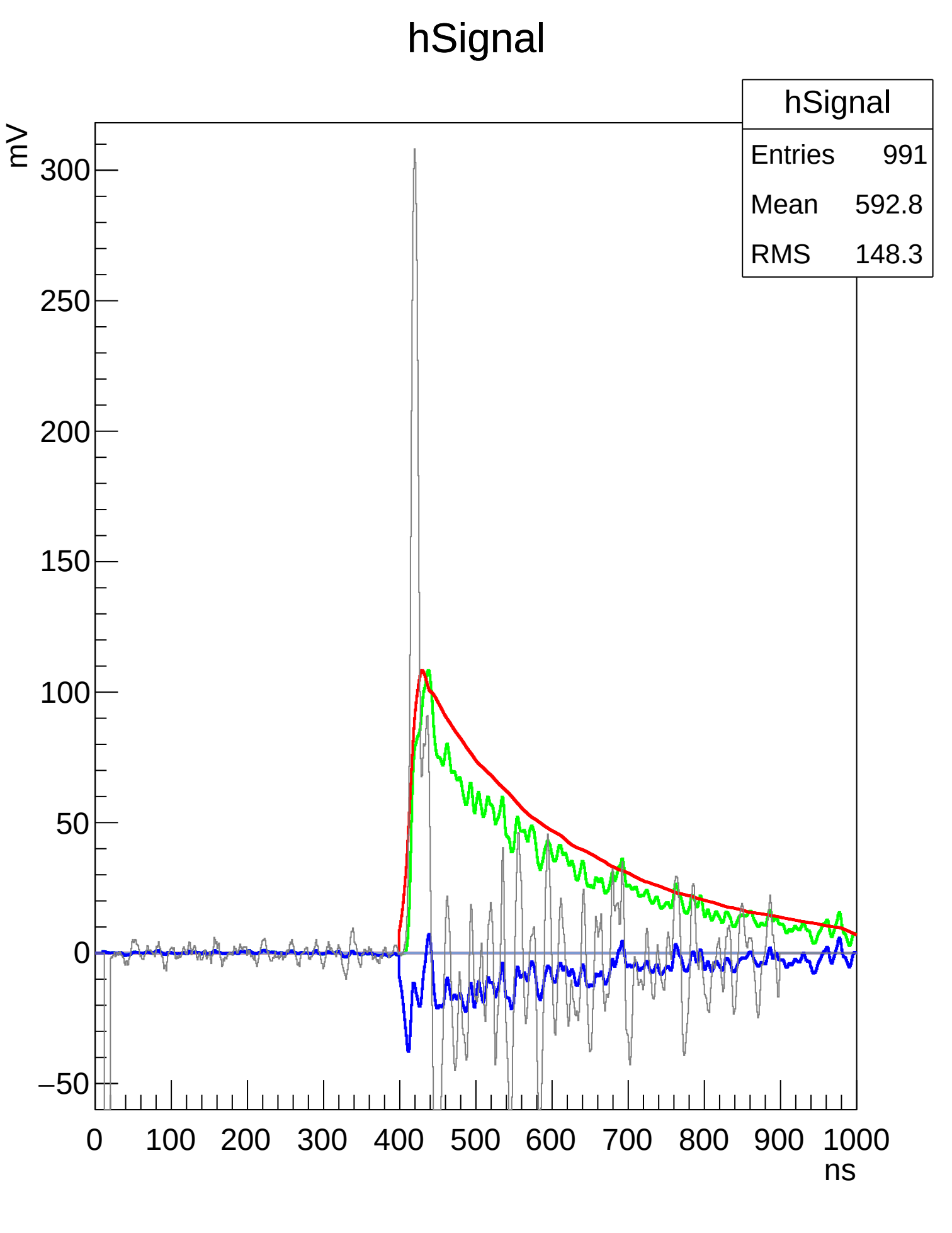
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.8
RMS 148.3
mV
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250
200
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100
50
0
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0
100
200
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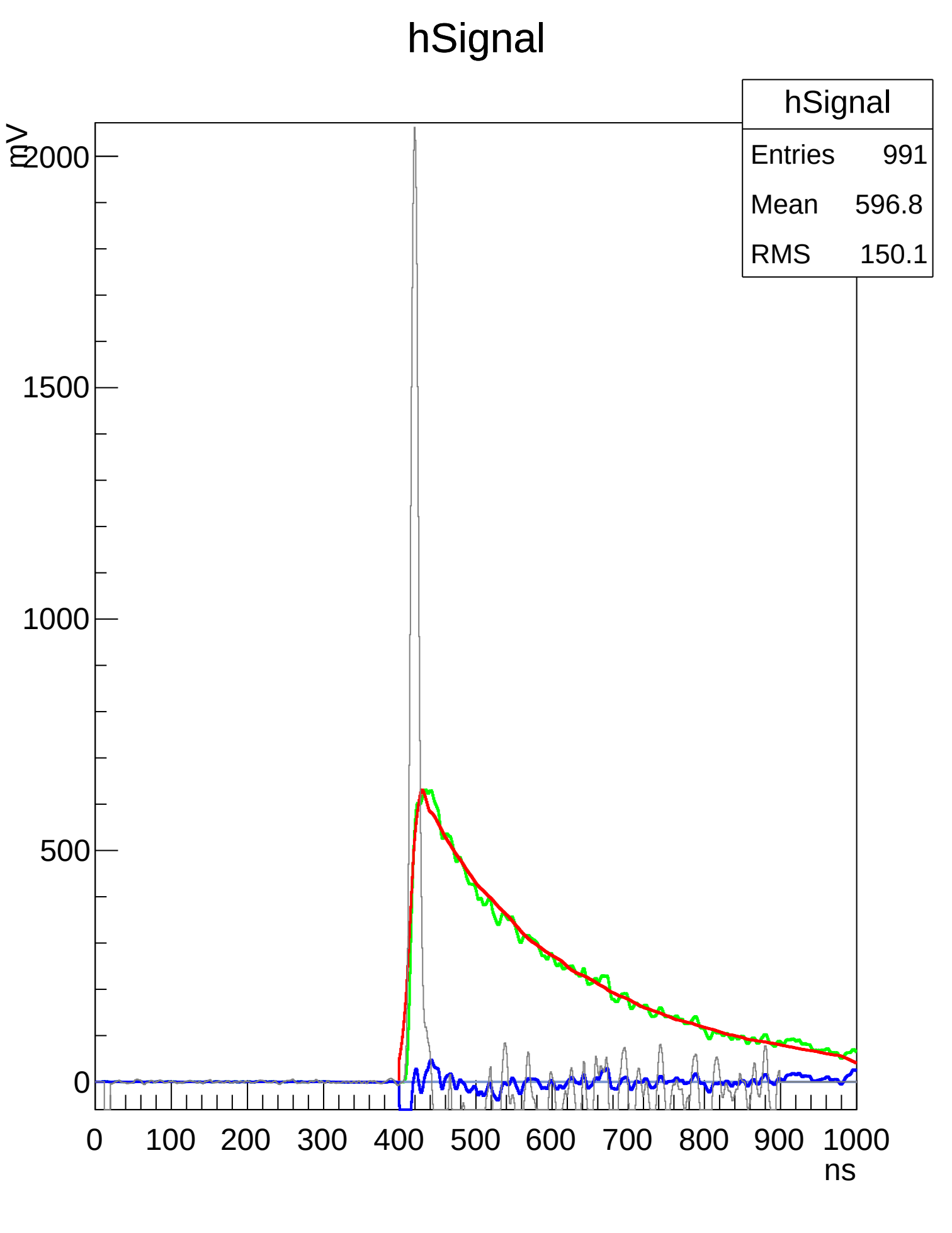
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.8
RMS 150.1
mV
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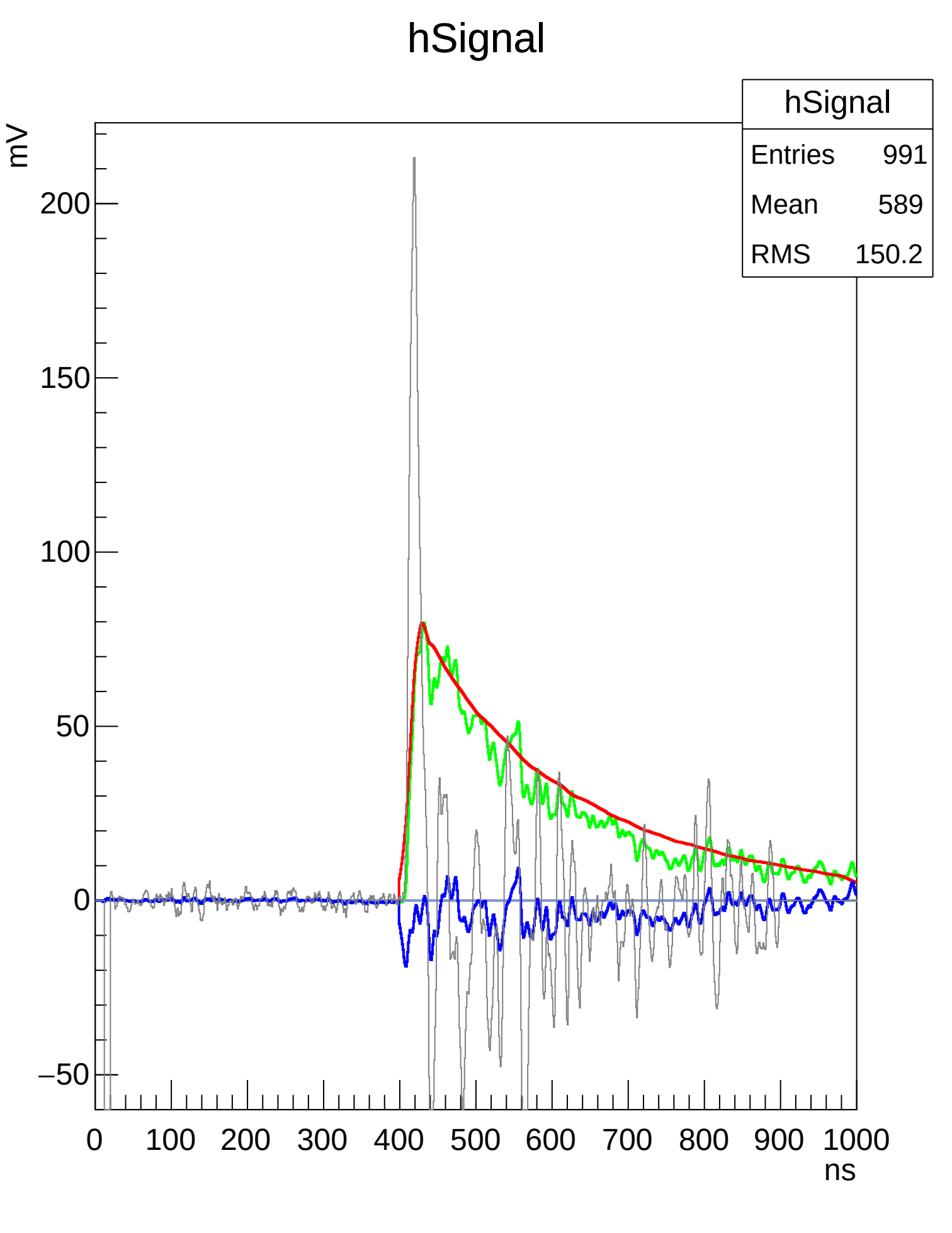
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589
RMS 150.2
mV
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100
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0
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100
200
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800
900
1000
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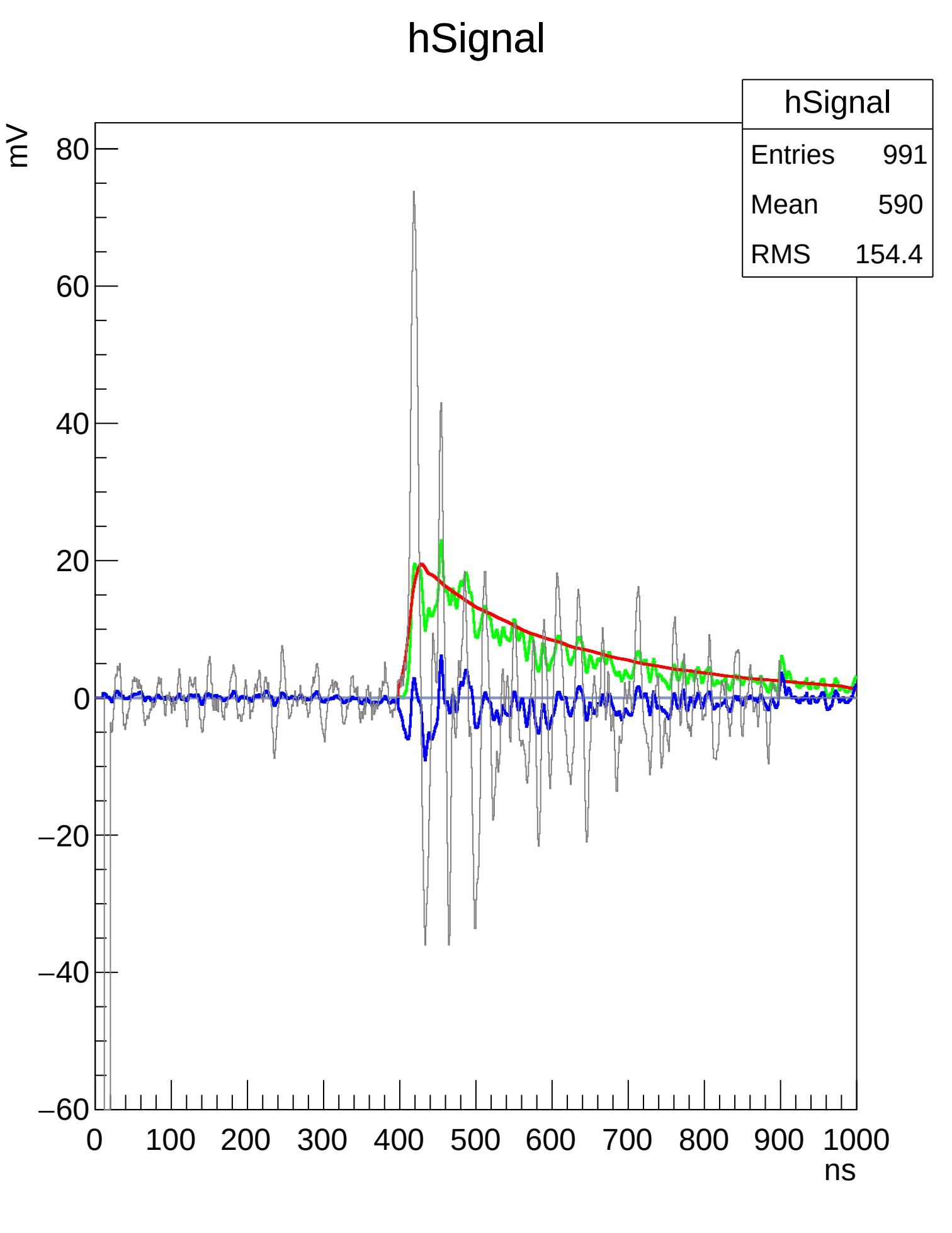
hSignal
hSignal
Entries 991
Mean 590
RMS 154.4
mV
80
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40
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−20
−40
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0
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300
400
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600
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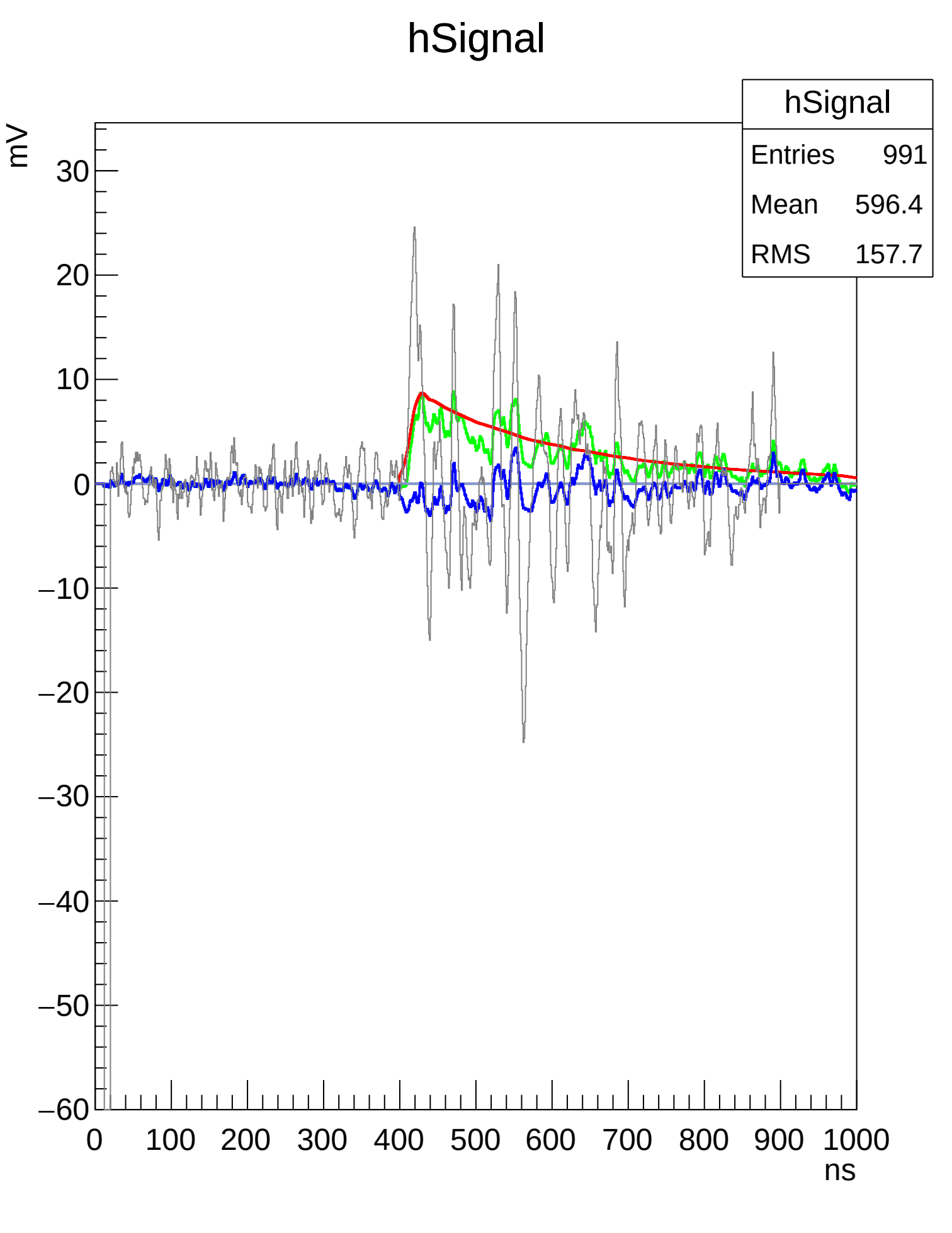
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 157.7
mV
30
20
10
0
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−20
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−40
−50
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0
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200
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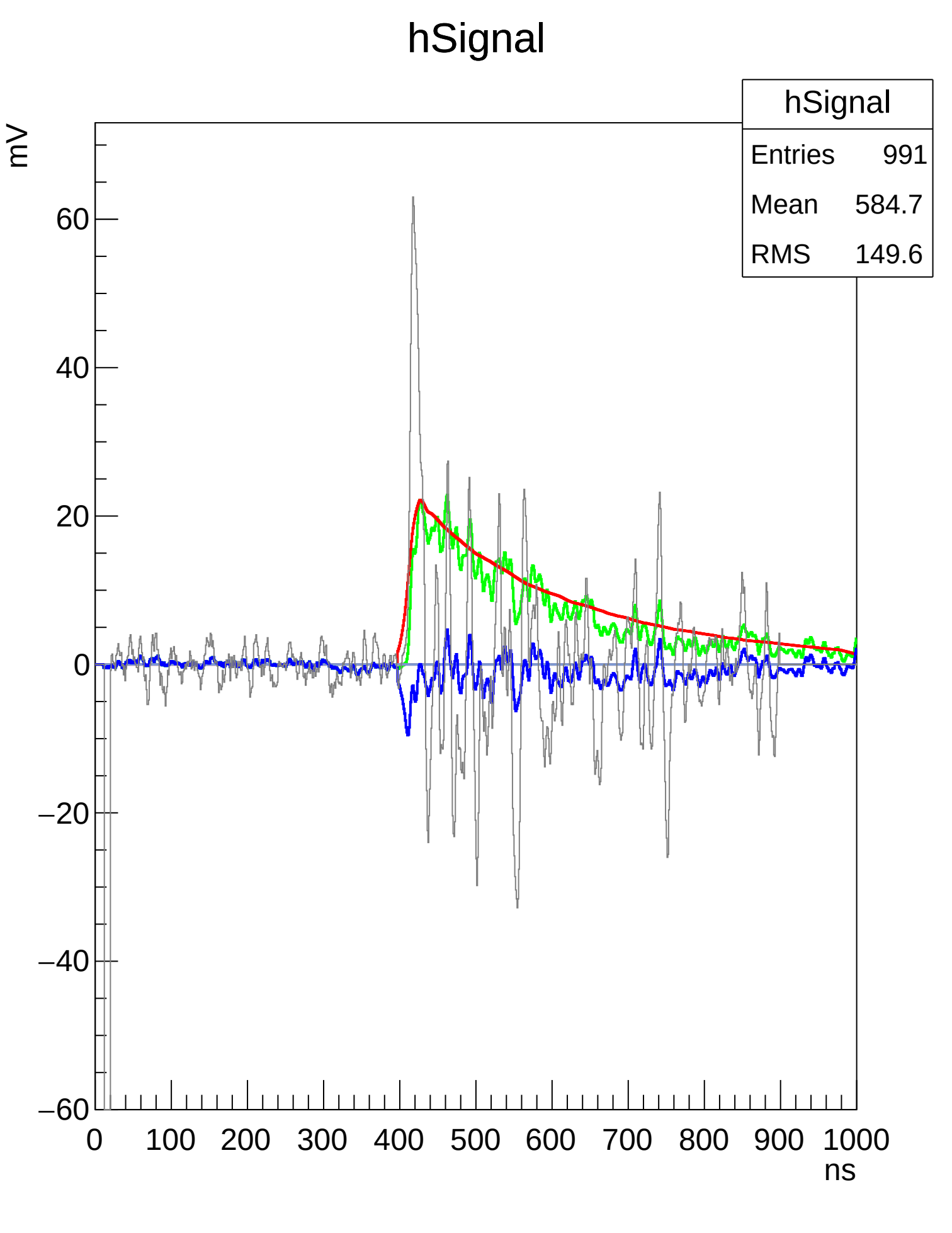
hSignal
hSignal
Entries 991
Mean 584.7
RMS 149.6
mV
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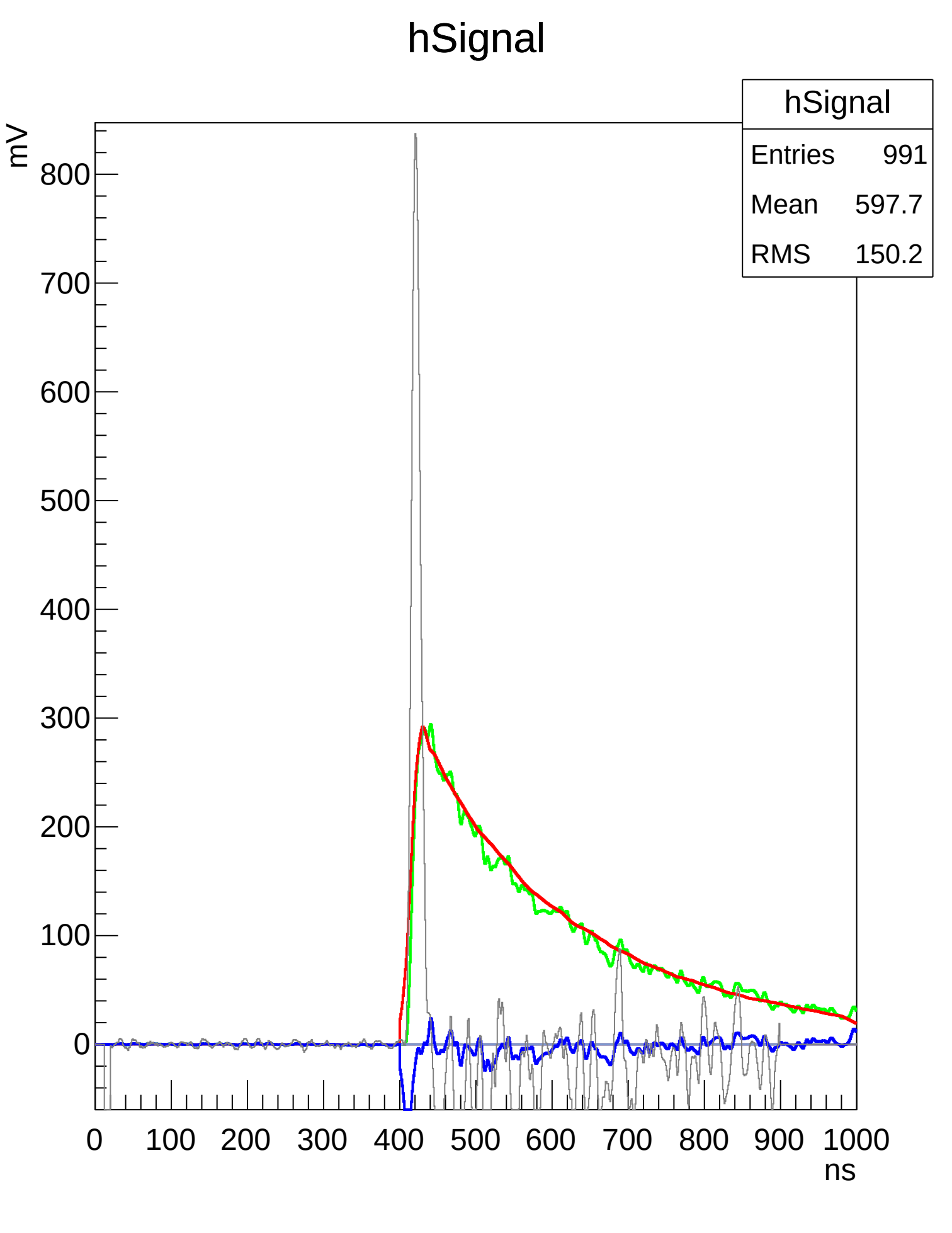
hSignal
hSignal
Entries 991
Mean 597.7
RMS 150.2
mV
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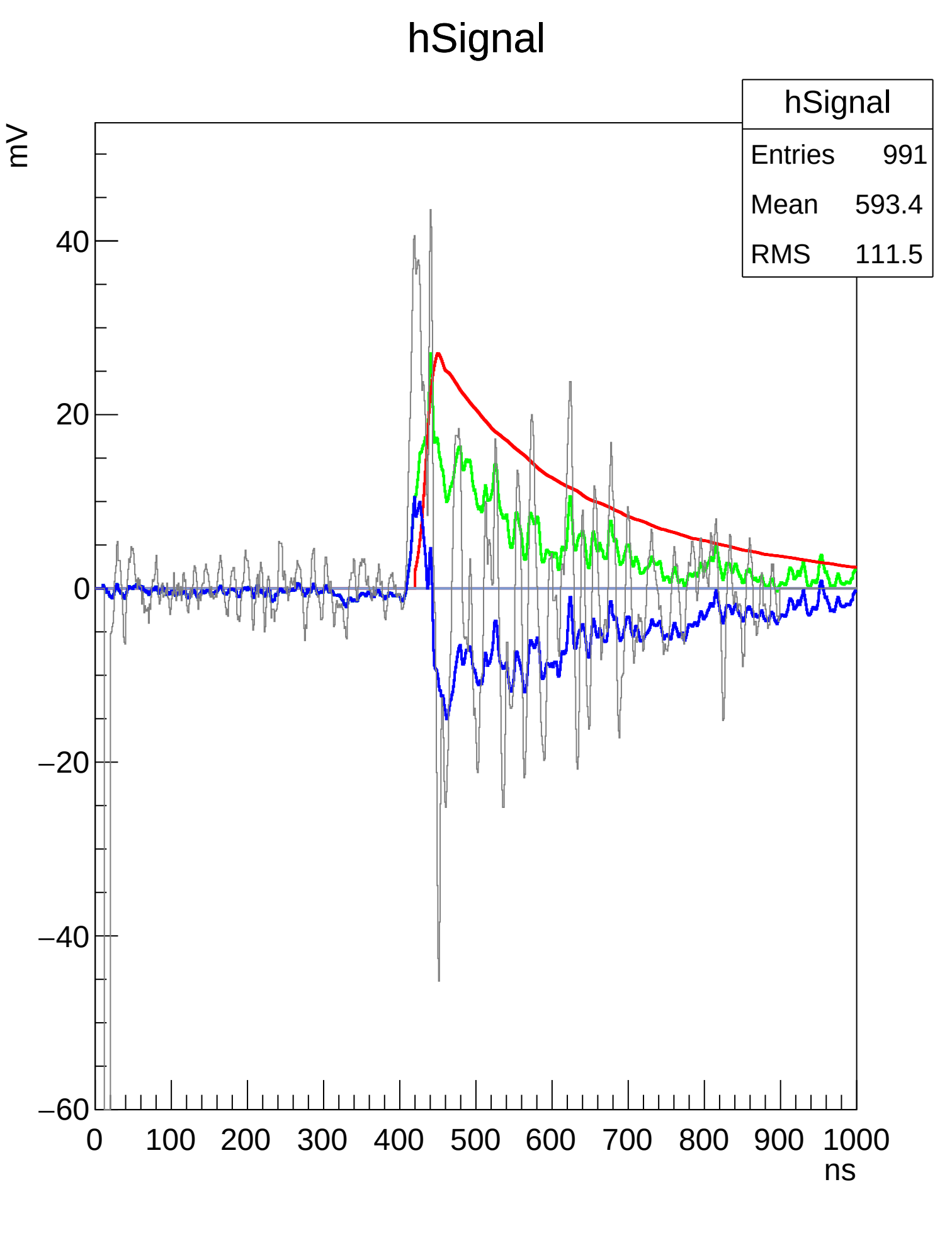
hSignal
hSignal
Entries 991
Mean 593.4
RMS 111.5
mV
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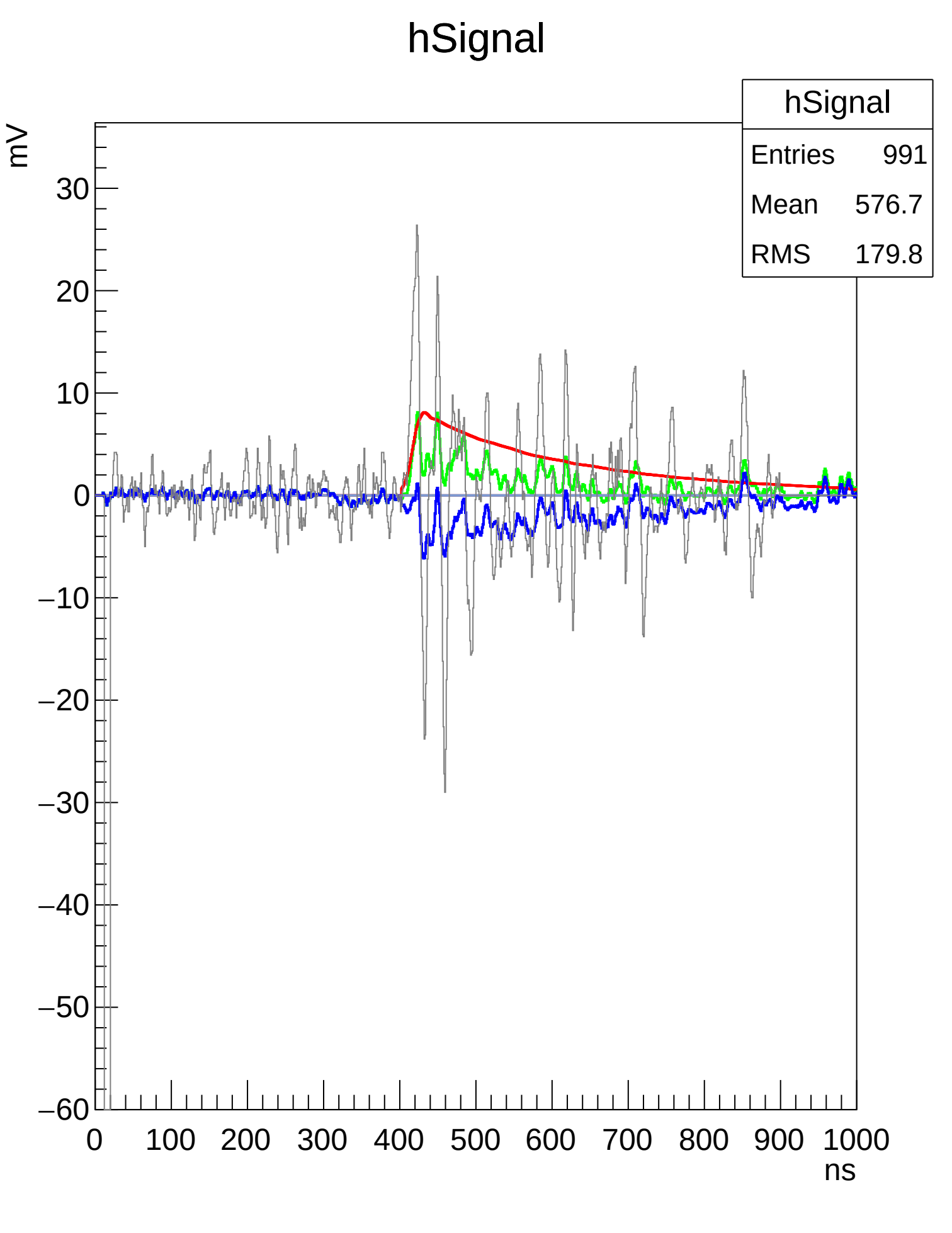
hSignal
hSignal
Entries 991
Mean 576.7
RMS 179.8
mV
30
20
10
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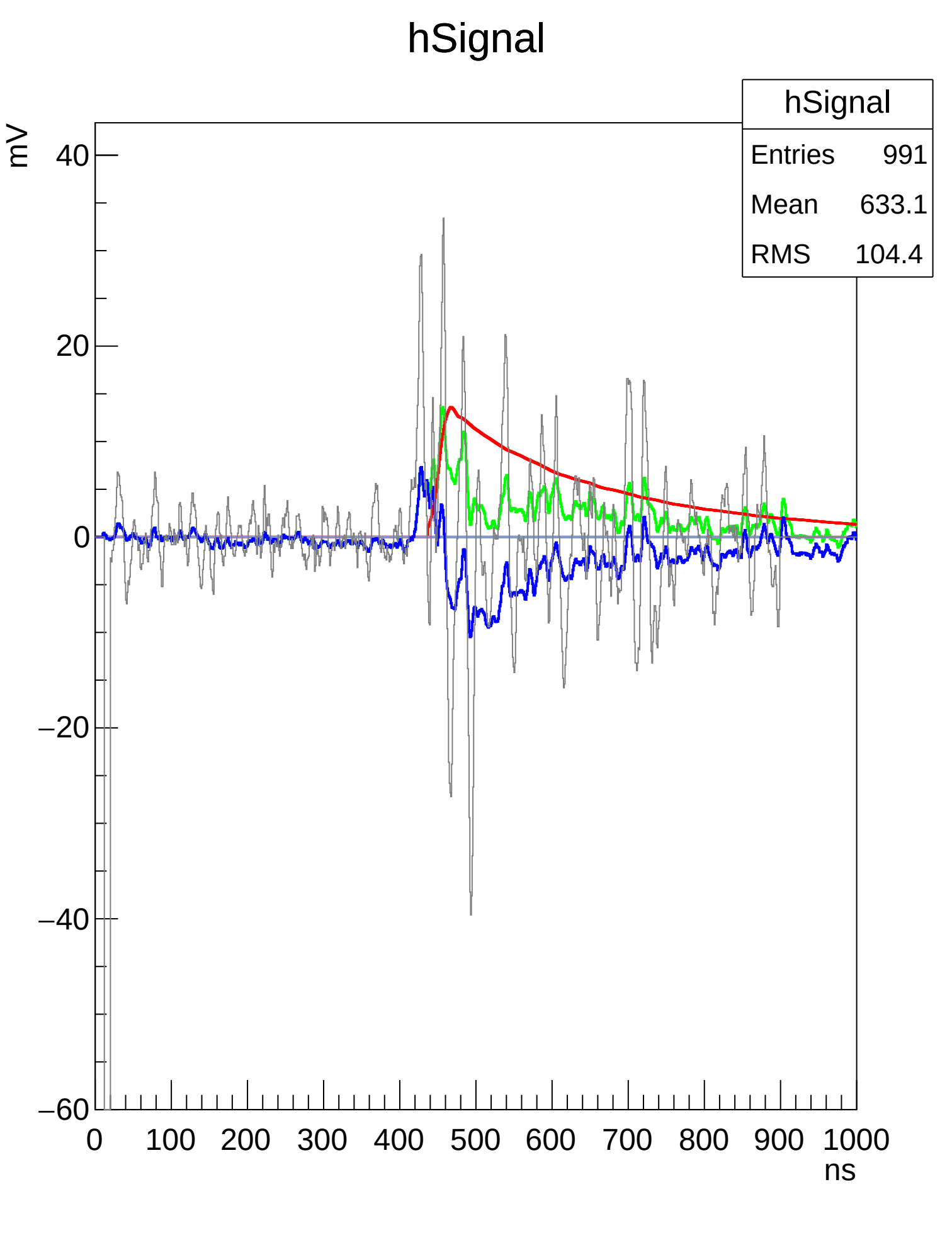
hSignal
hSignal
Entries 991
Mean 633.1
RMS 104.4
mV
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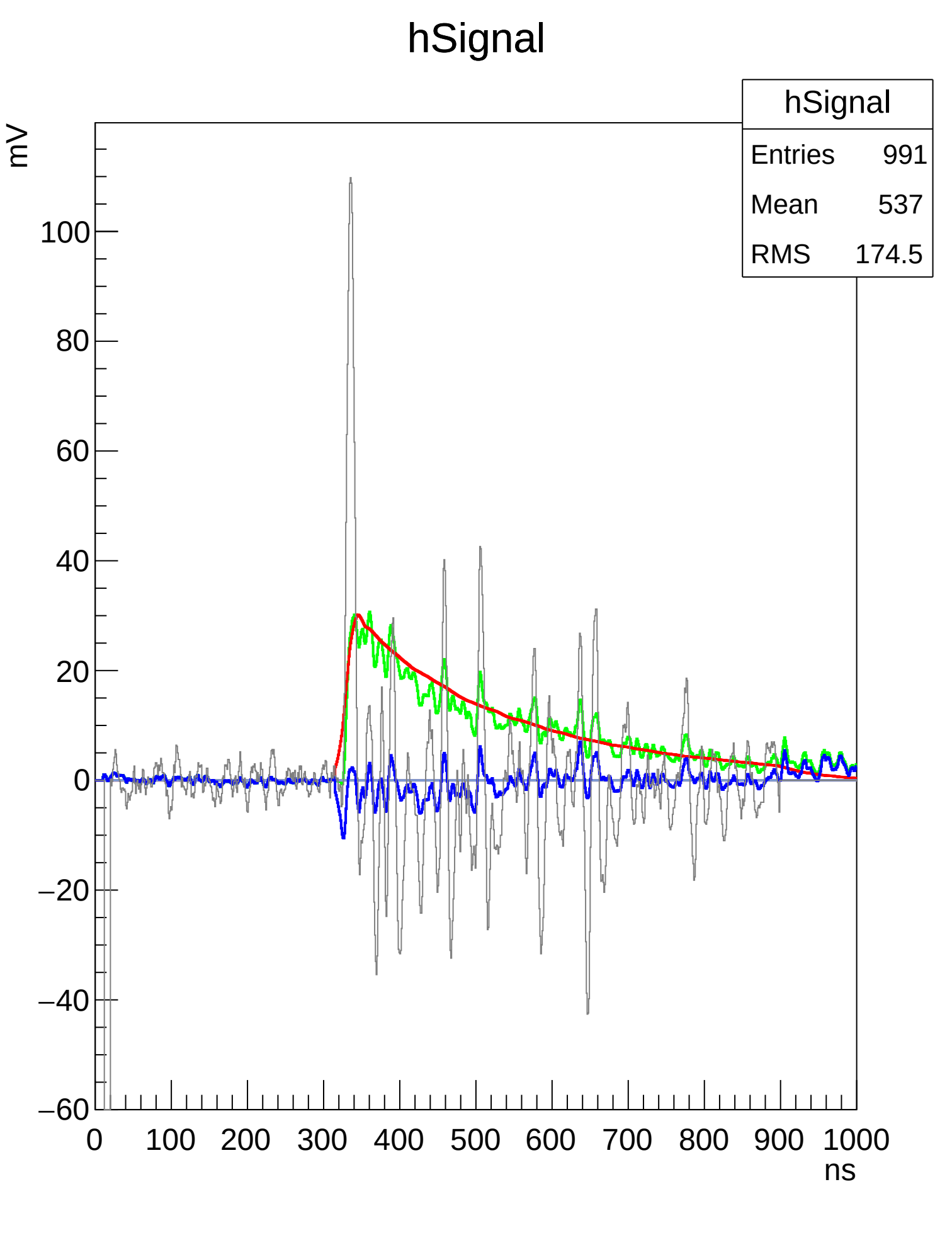
hSignal
hSignal
Entries 991
Mean 537
RMS 174.5
mV
100
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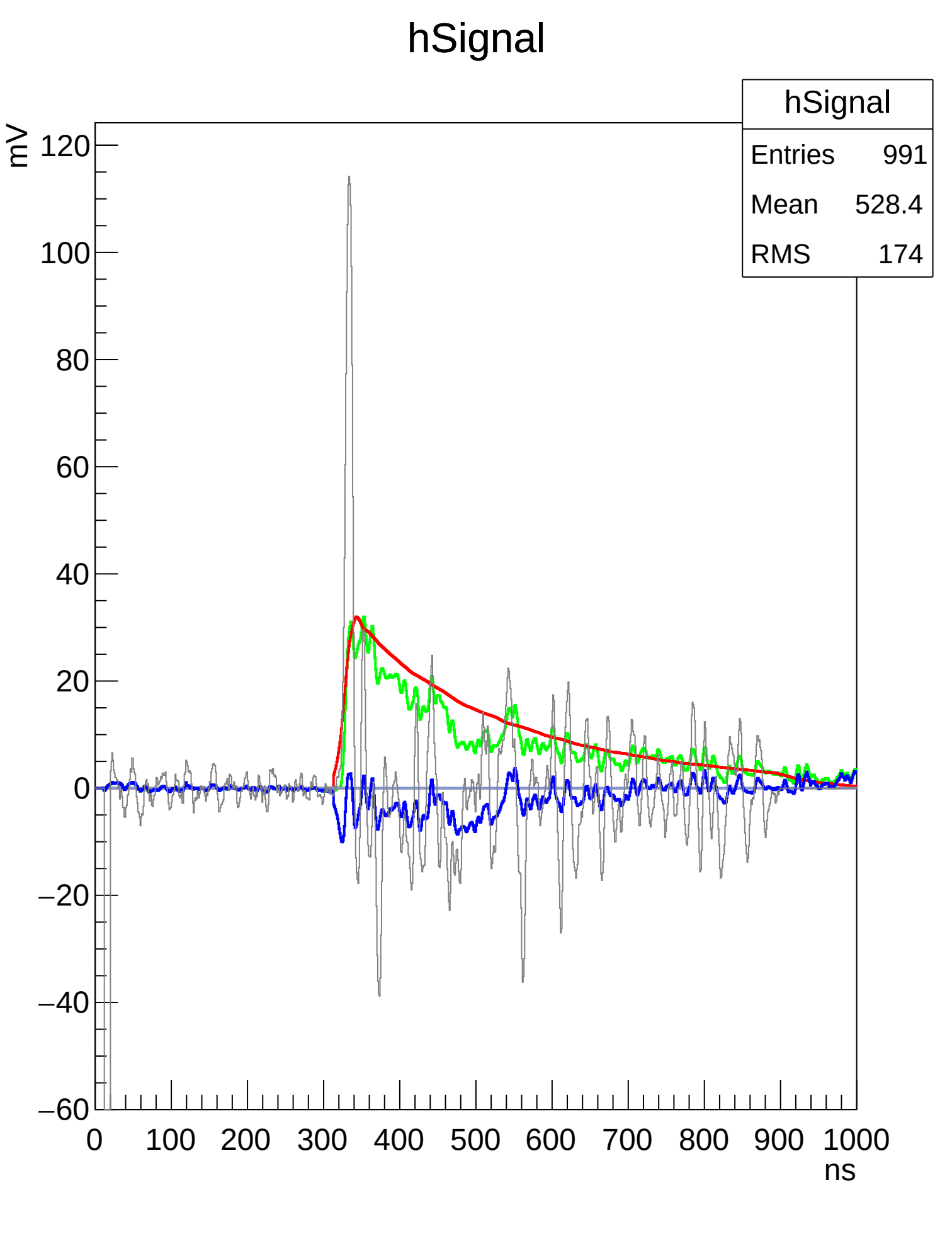
hSignal
hSignal
Entries 991
Mean 528.4
RMS 174
mV
120
100
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60
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400
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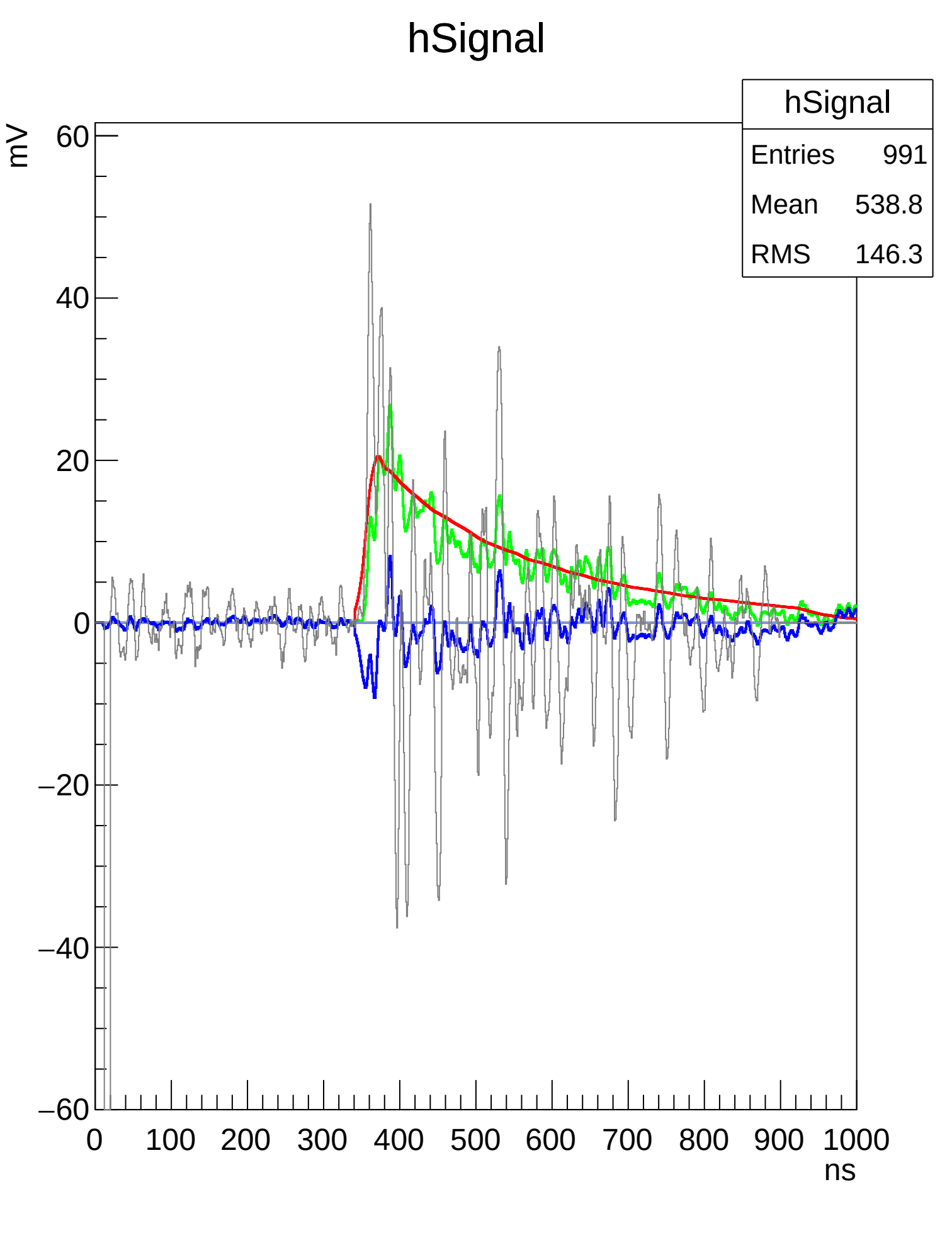
ns


hSignal
hSignal
Entries 991
Mean 538.8
RMS 146.3
mV
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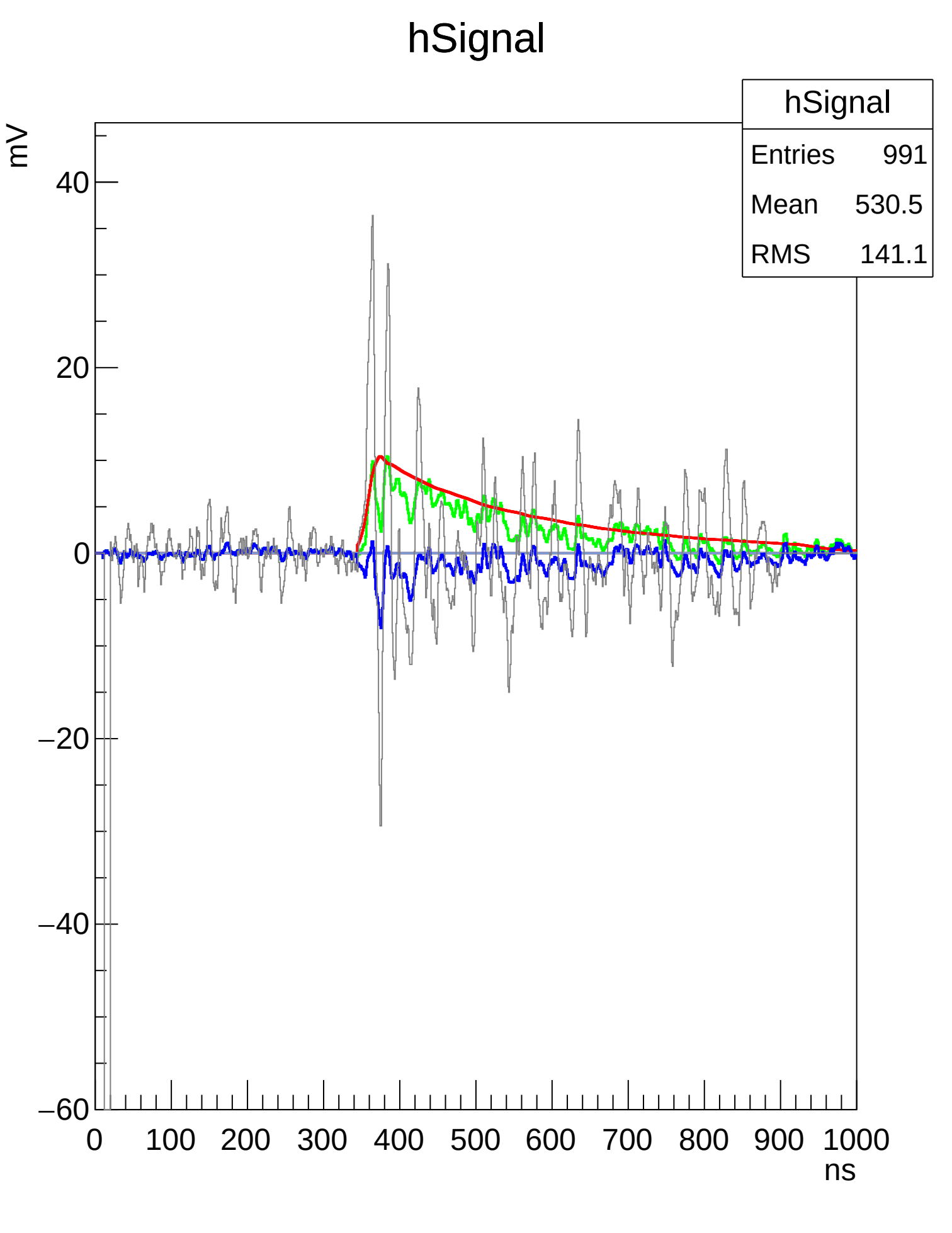
1000
ns


hSignal
hSignal
Entries 991
Mean 530.5
RMS 141.1
mV
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20
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−20
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0
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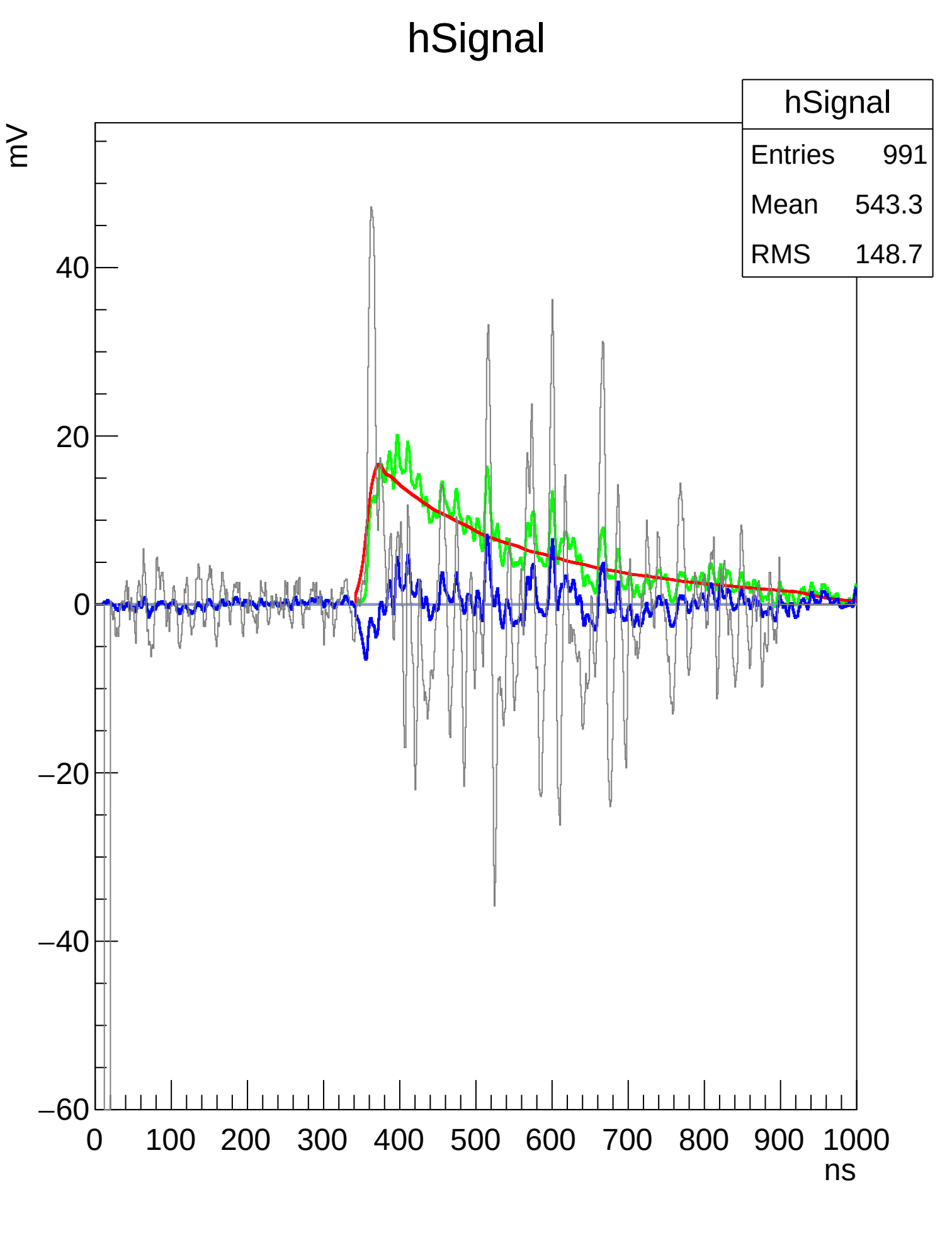
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.3
RMS 148.7
mV
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20
0
−20
−40
−60
0
100
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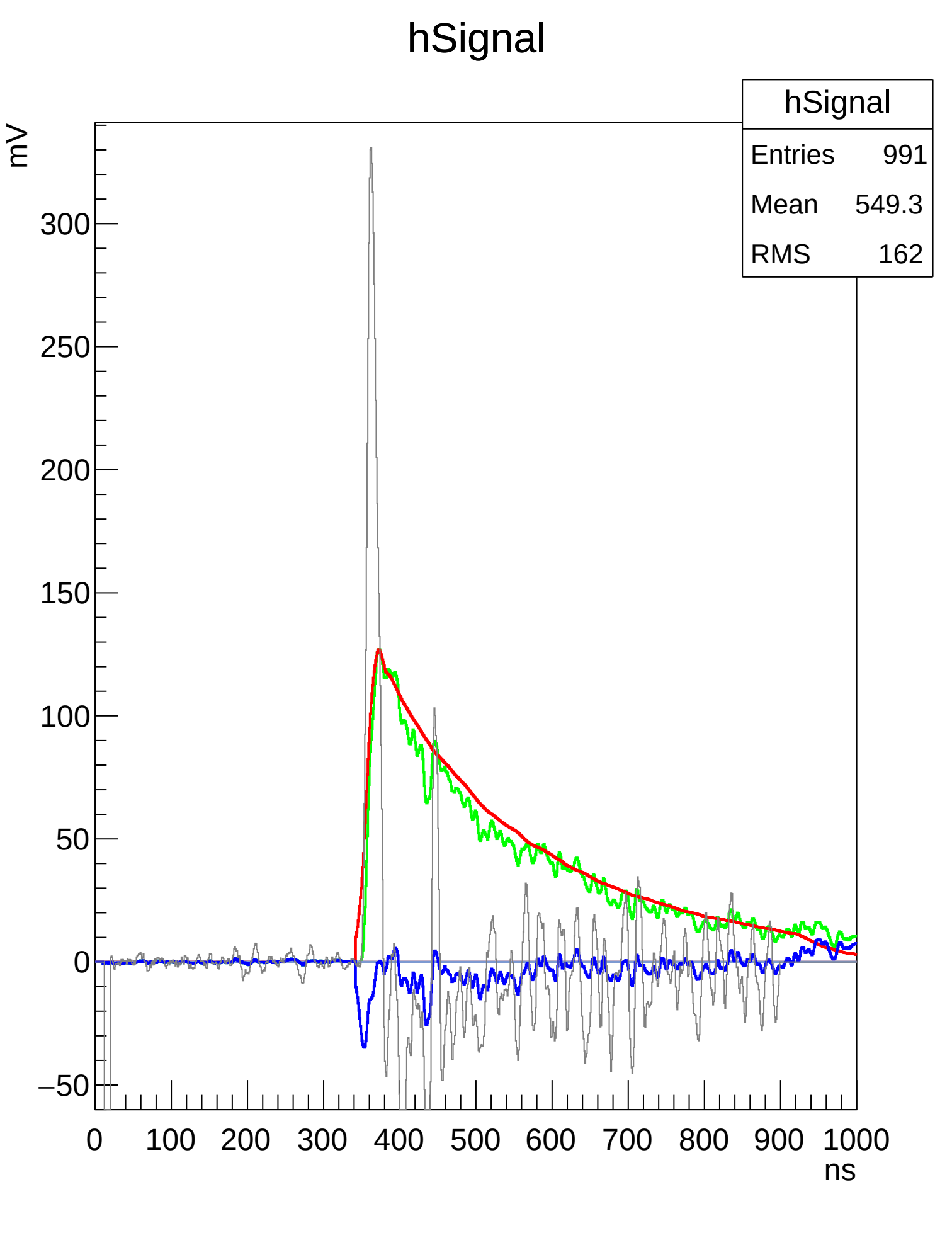
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.3
RMS 162
mV
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100
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100
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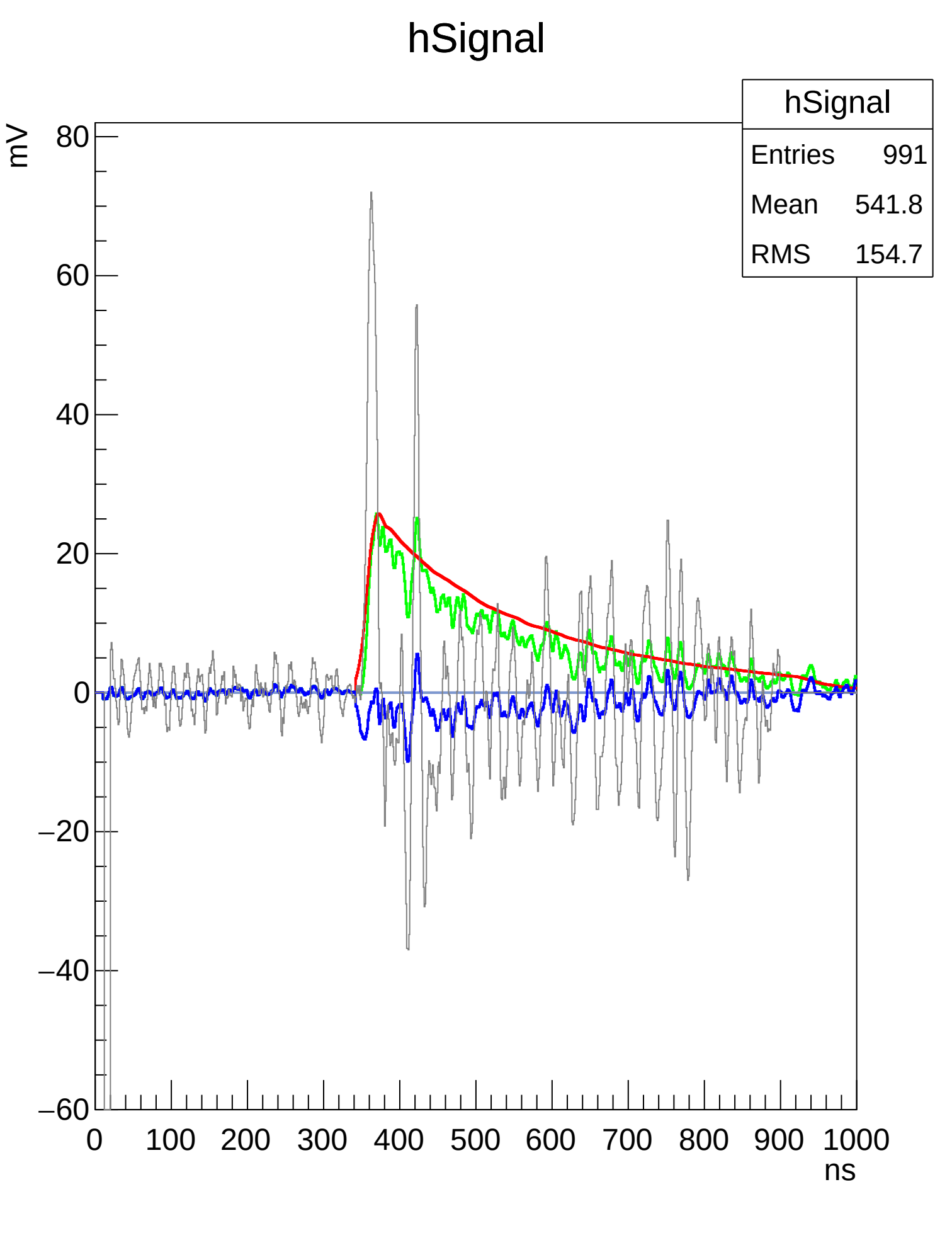
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.8
RMS 154.7
mV
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20
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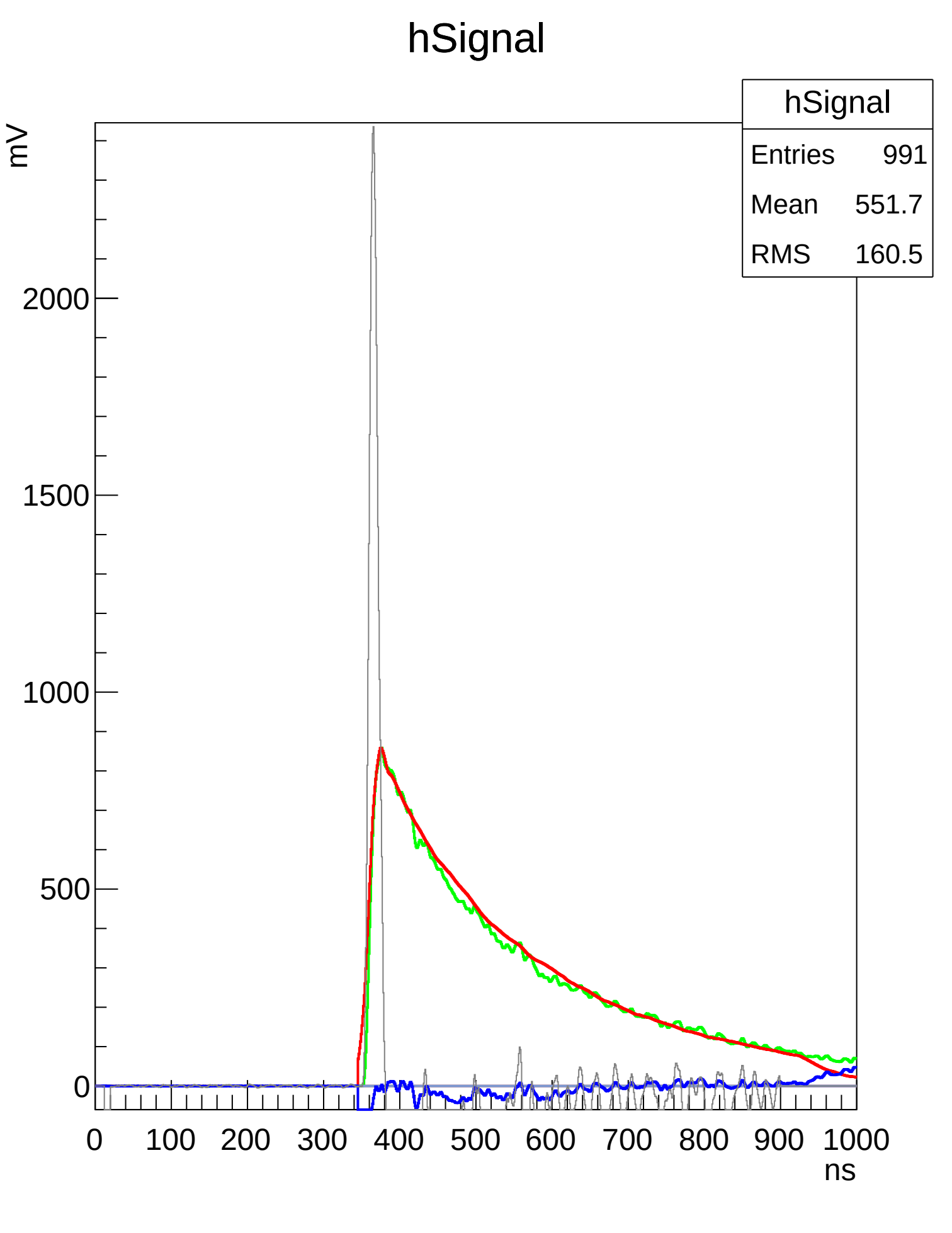
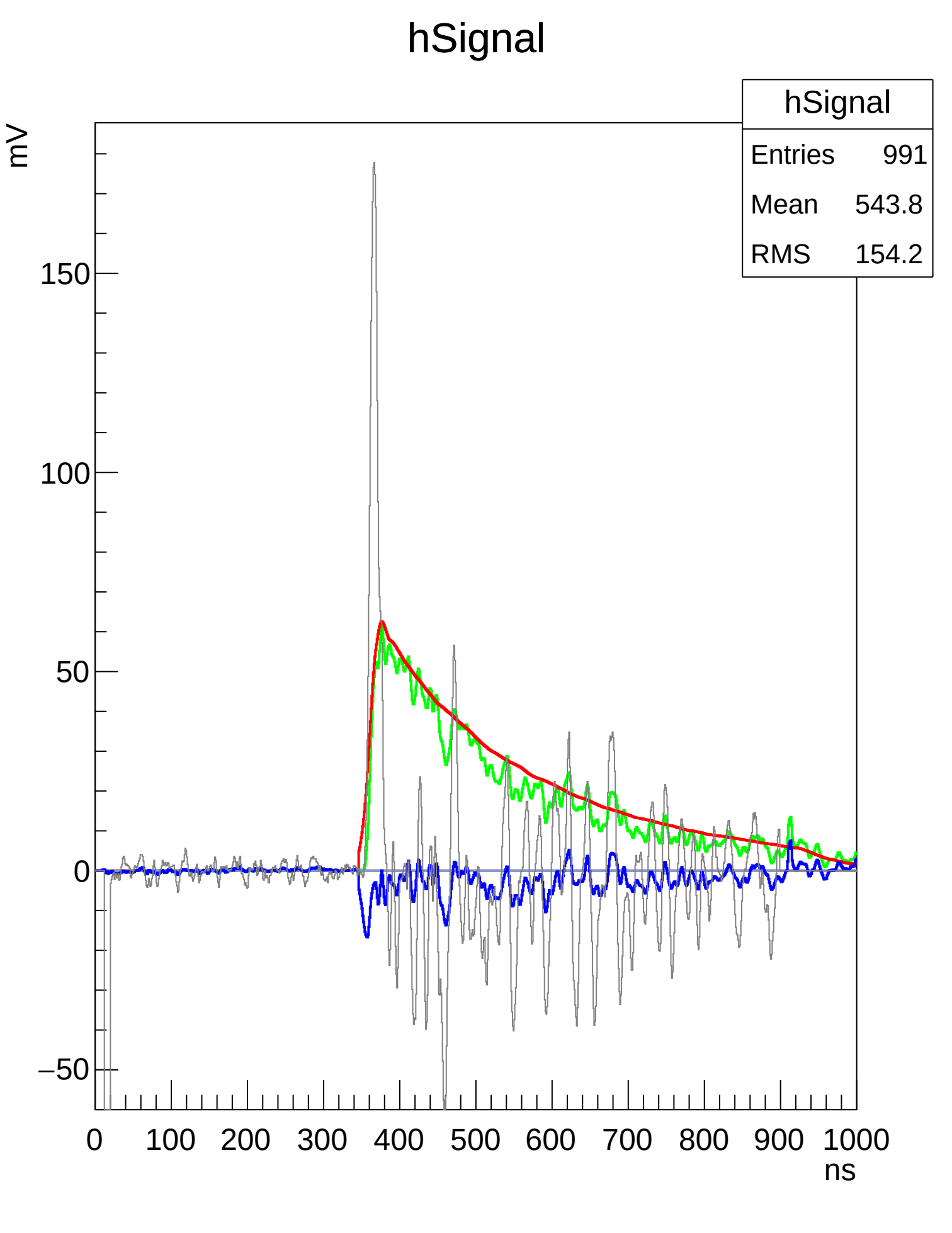
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.7
RMS 160.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.8
RMS 154.2
mV
150
100
50
0
−50
0
100
200
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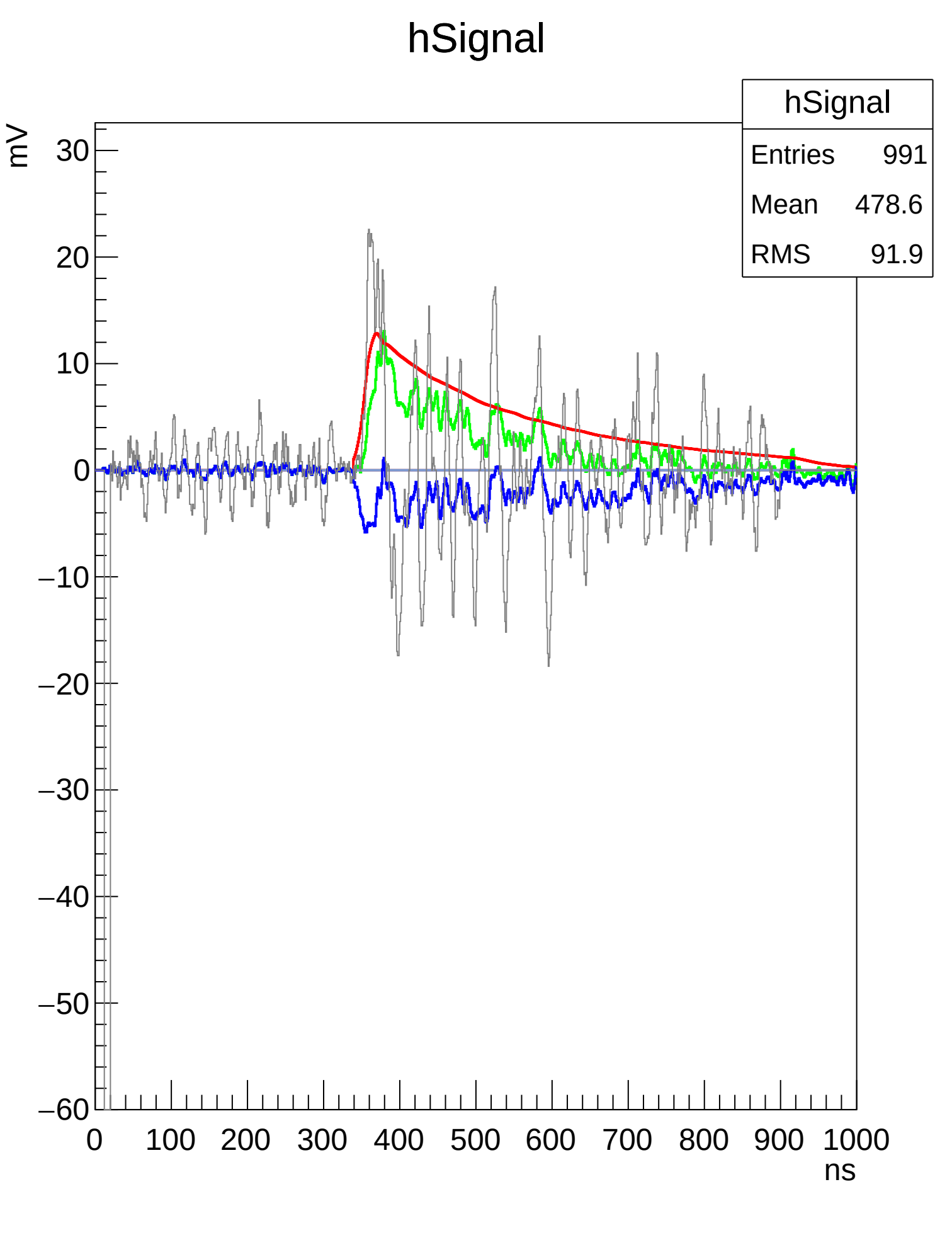
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 478.6
RMS 91.9
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
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400
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800
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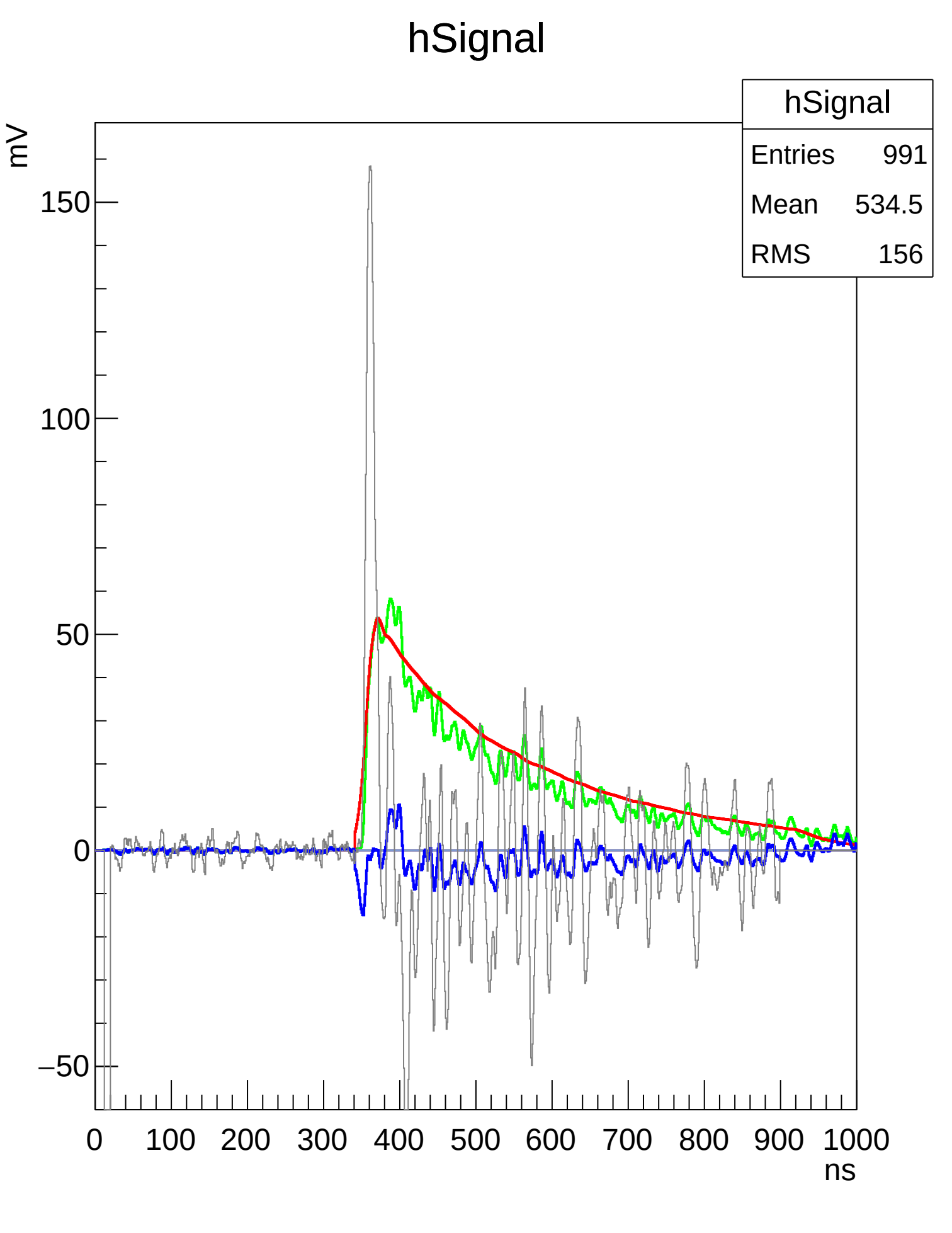
1000
ns


hSignal
hSignal
Entries 991
Mean 534.5
RMS 156
mV
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0
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0
100
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400
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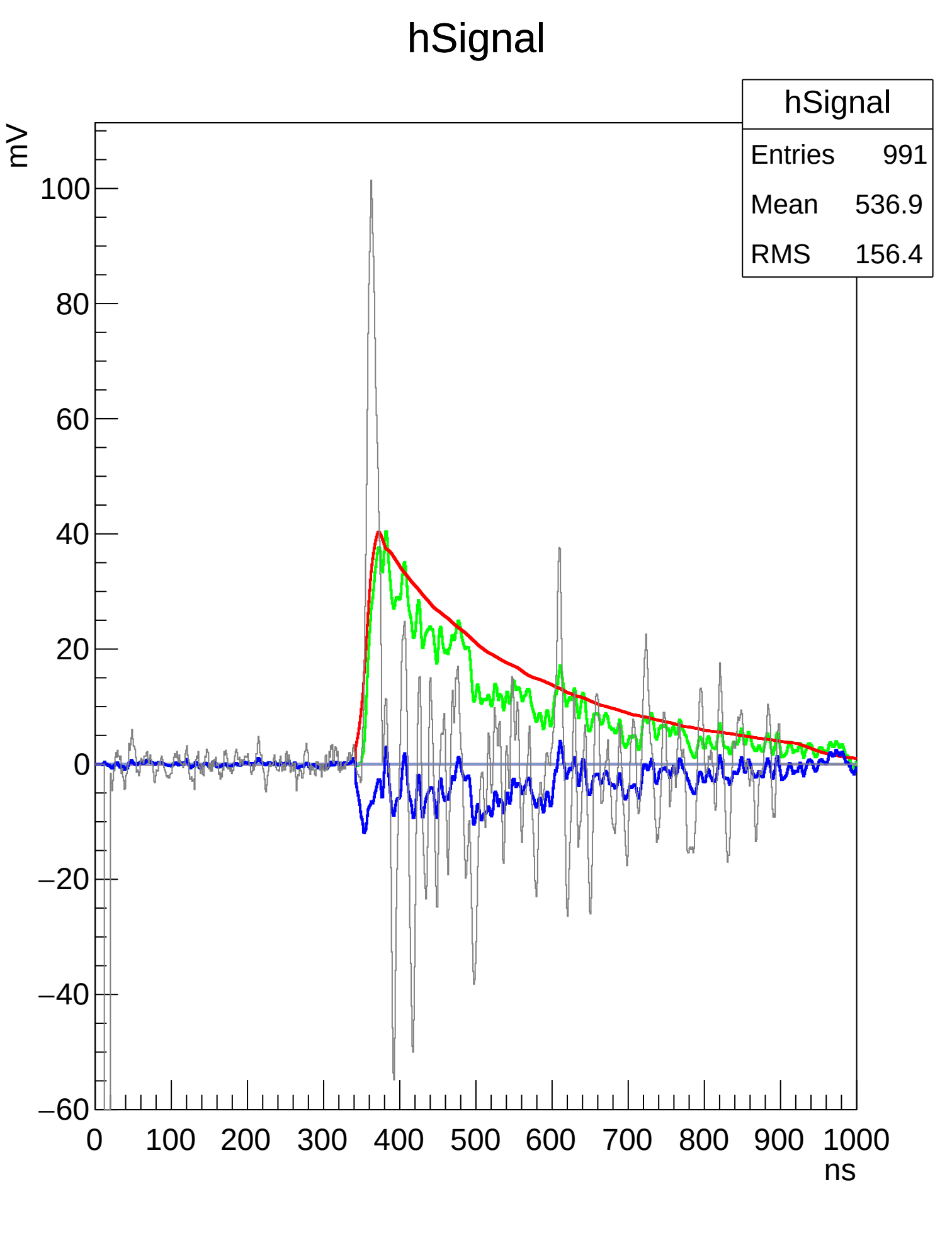
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.9
RMS 156.4
mV
100
80
60
40
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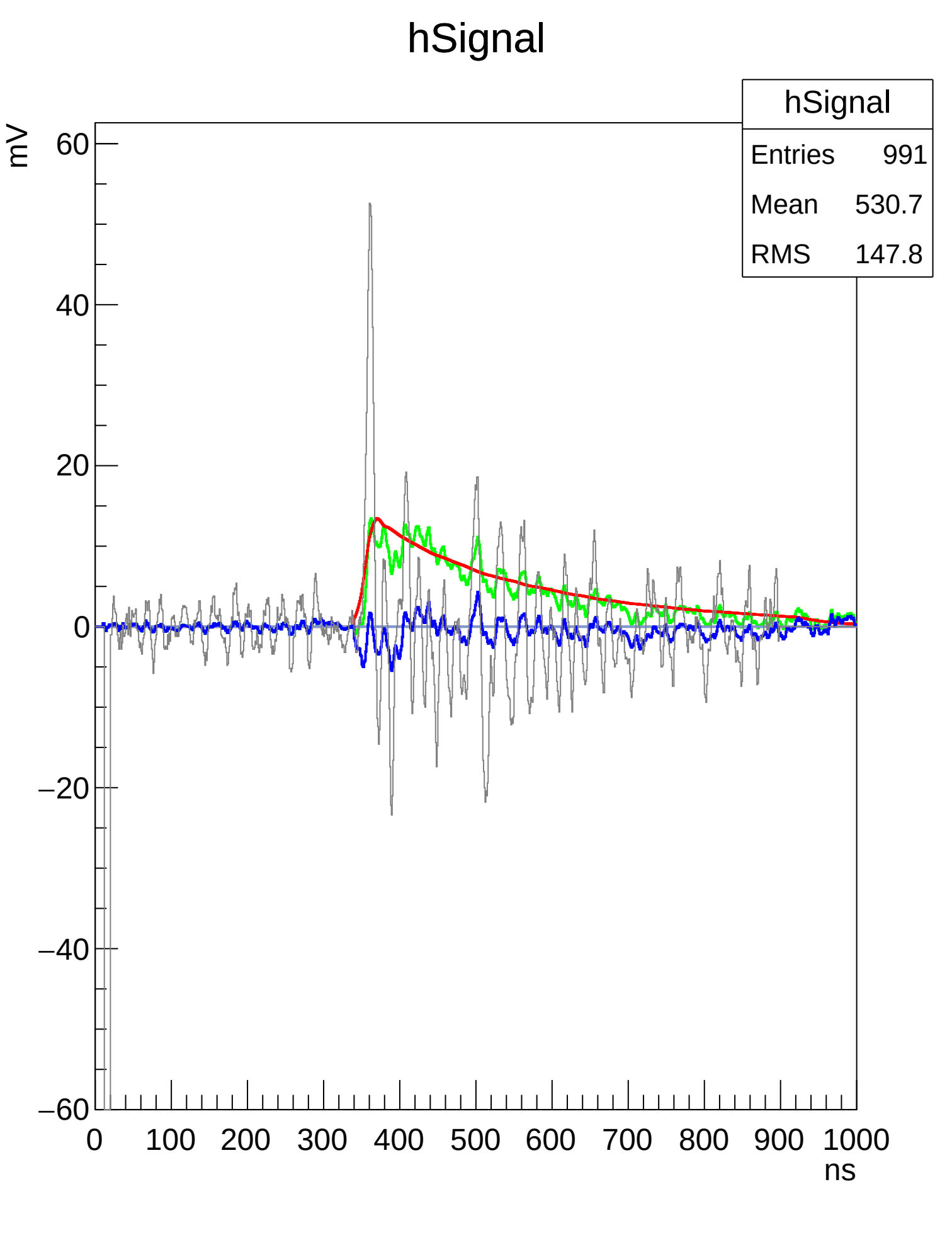
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.7
RMS 147.8
mV
60
40
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−20
−40
−60
0
100
200
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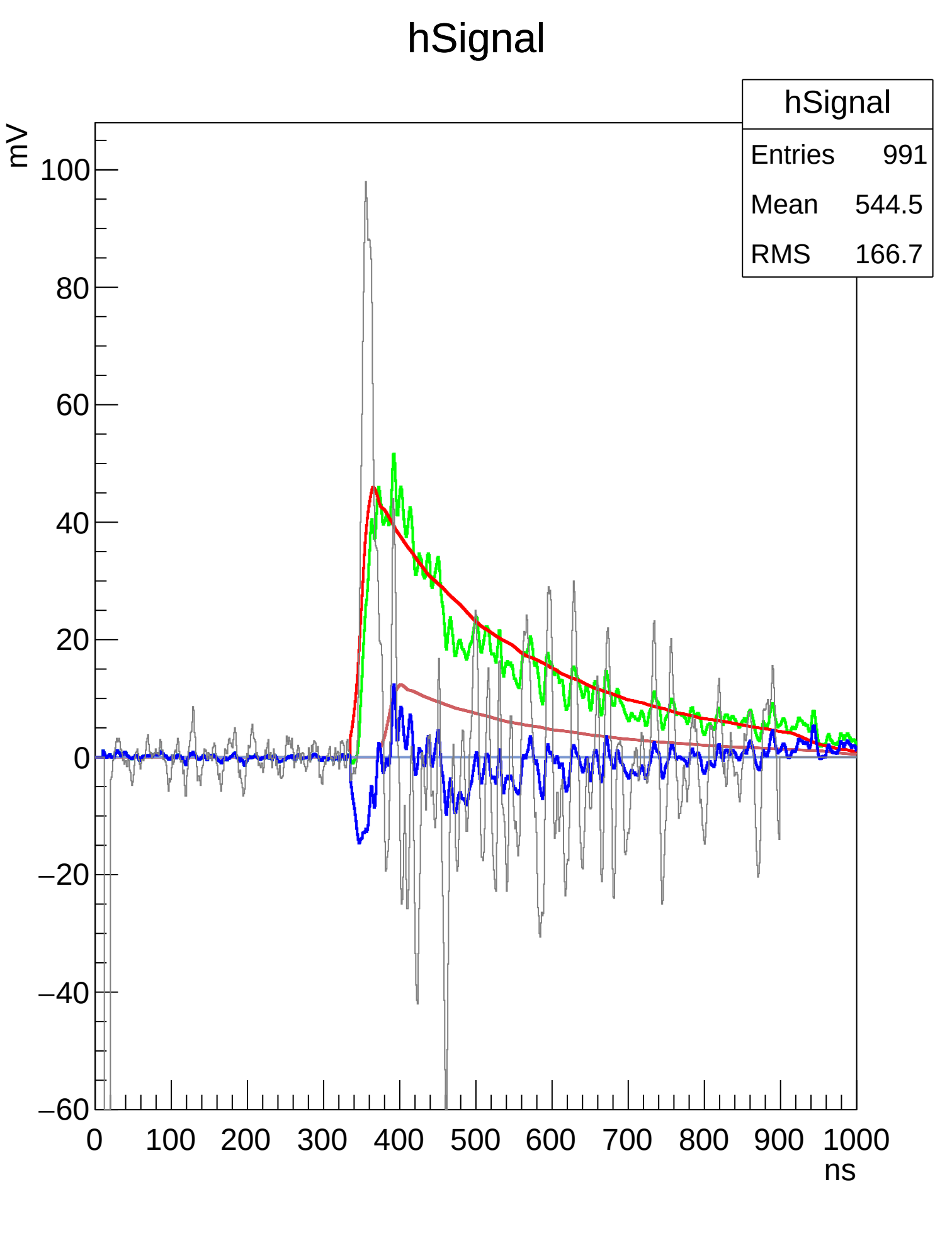
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.5
RMS 166.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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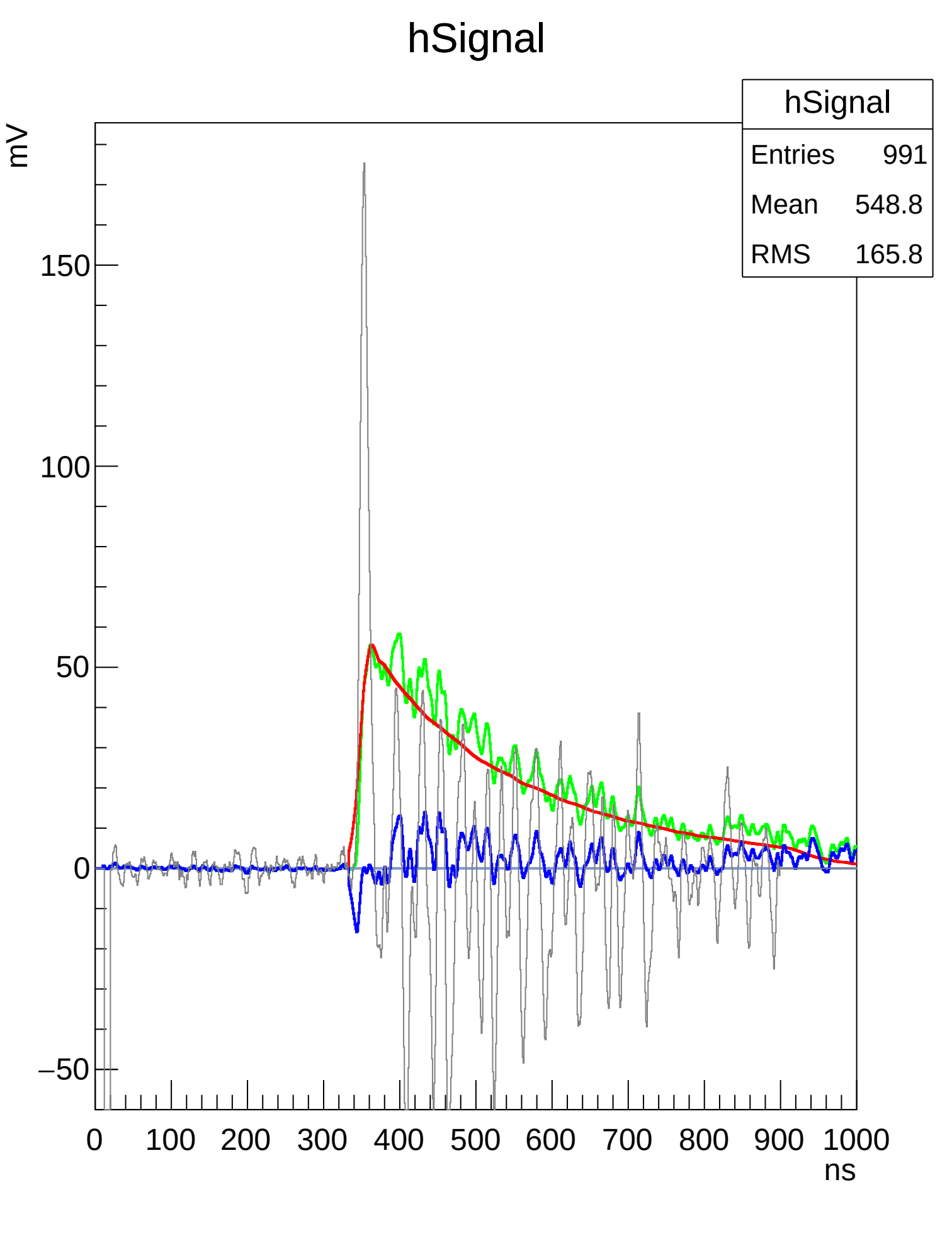
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.8
RMS 165.8
mV
150
100
50
0
−50
0
100
200
300
400
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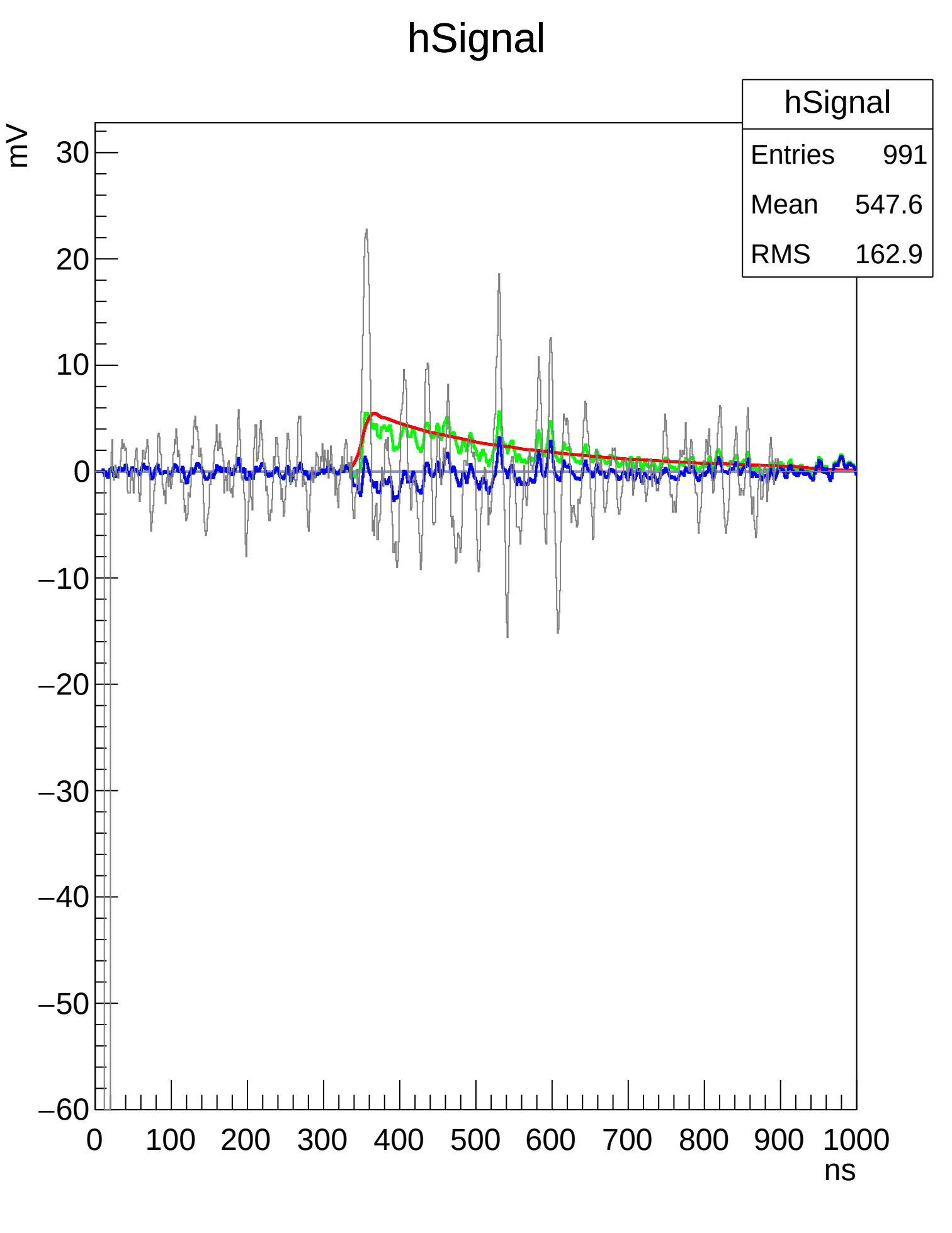
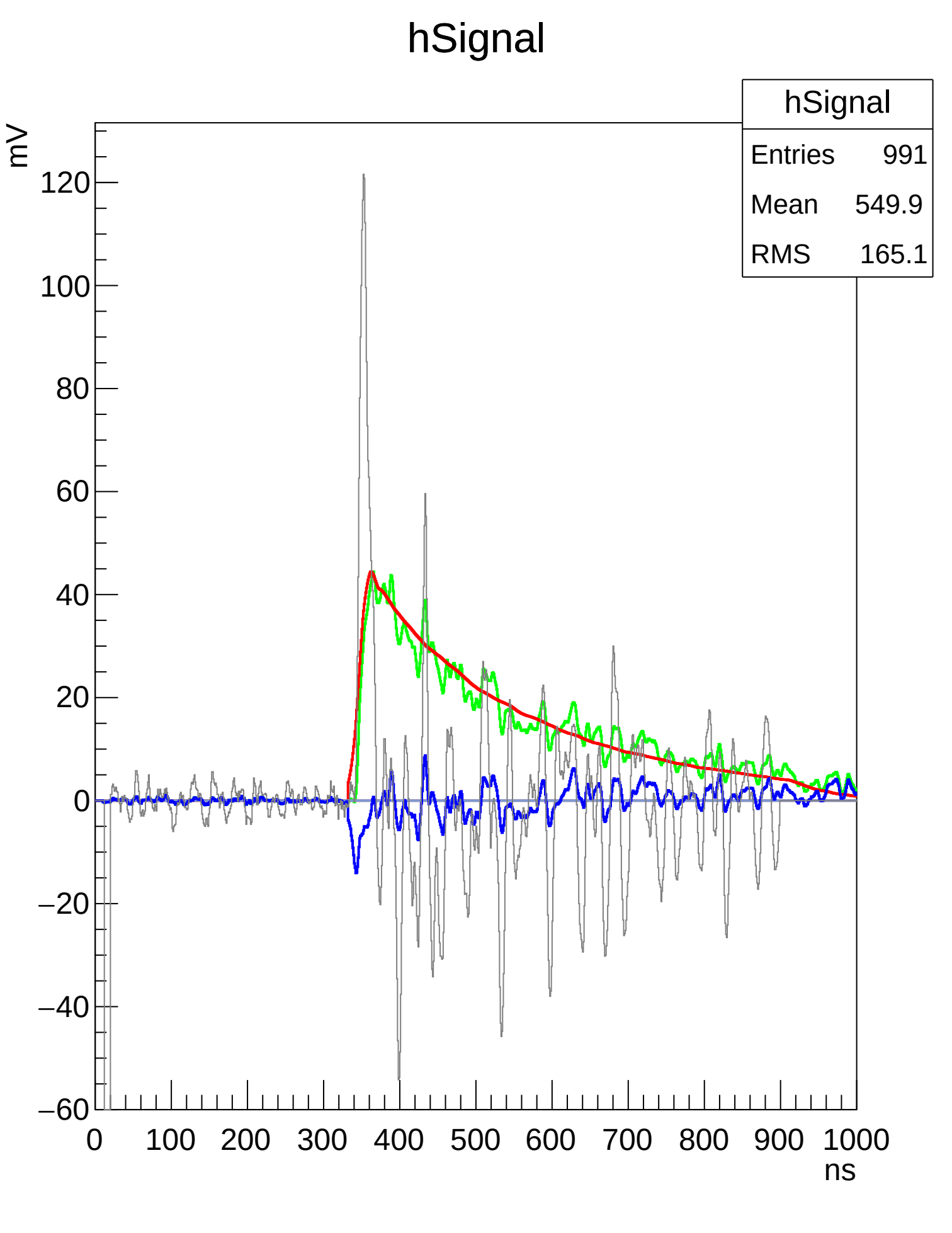
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.6
RMS 162.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.9
RMS 165.1
mV
120
100
80
60
40
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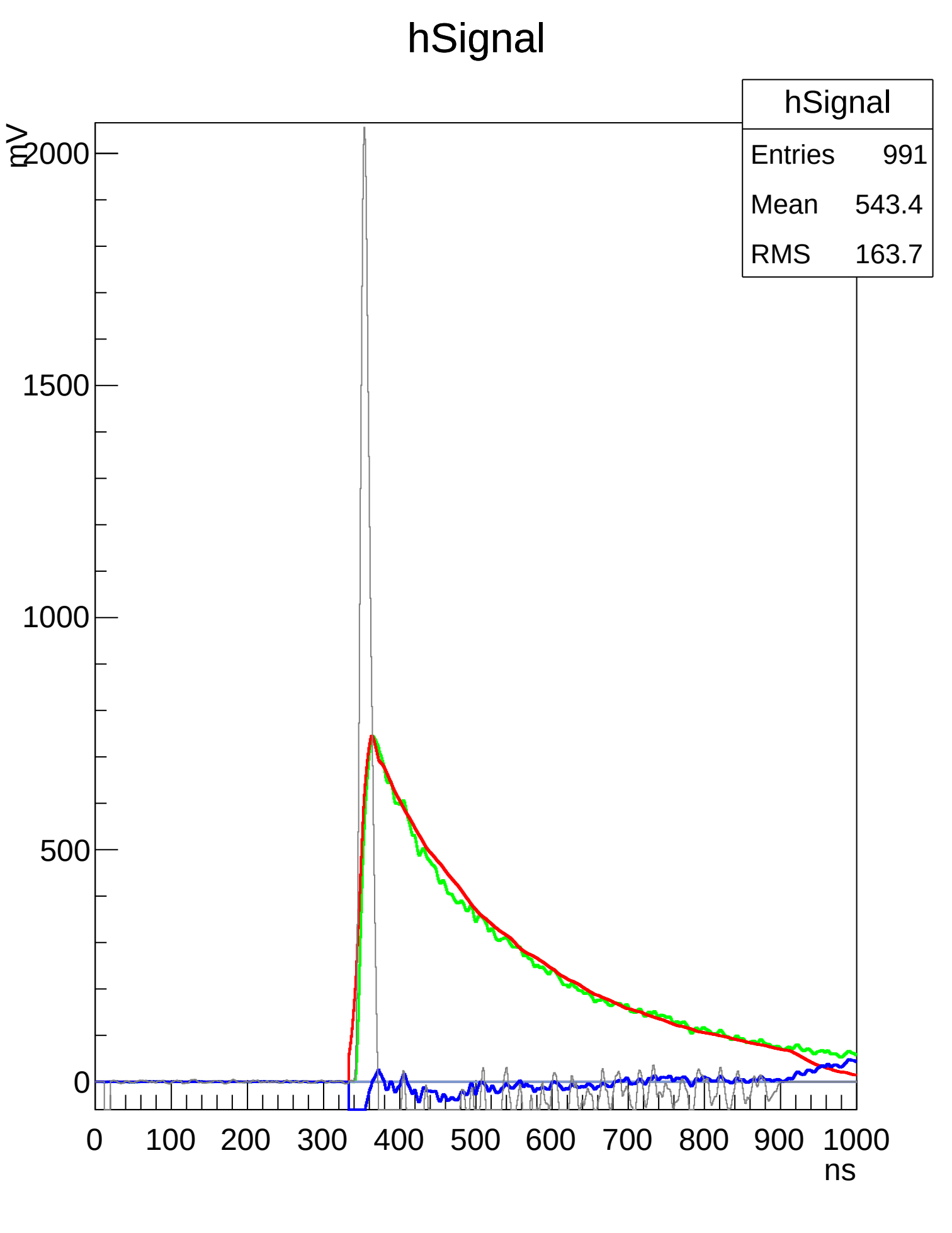
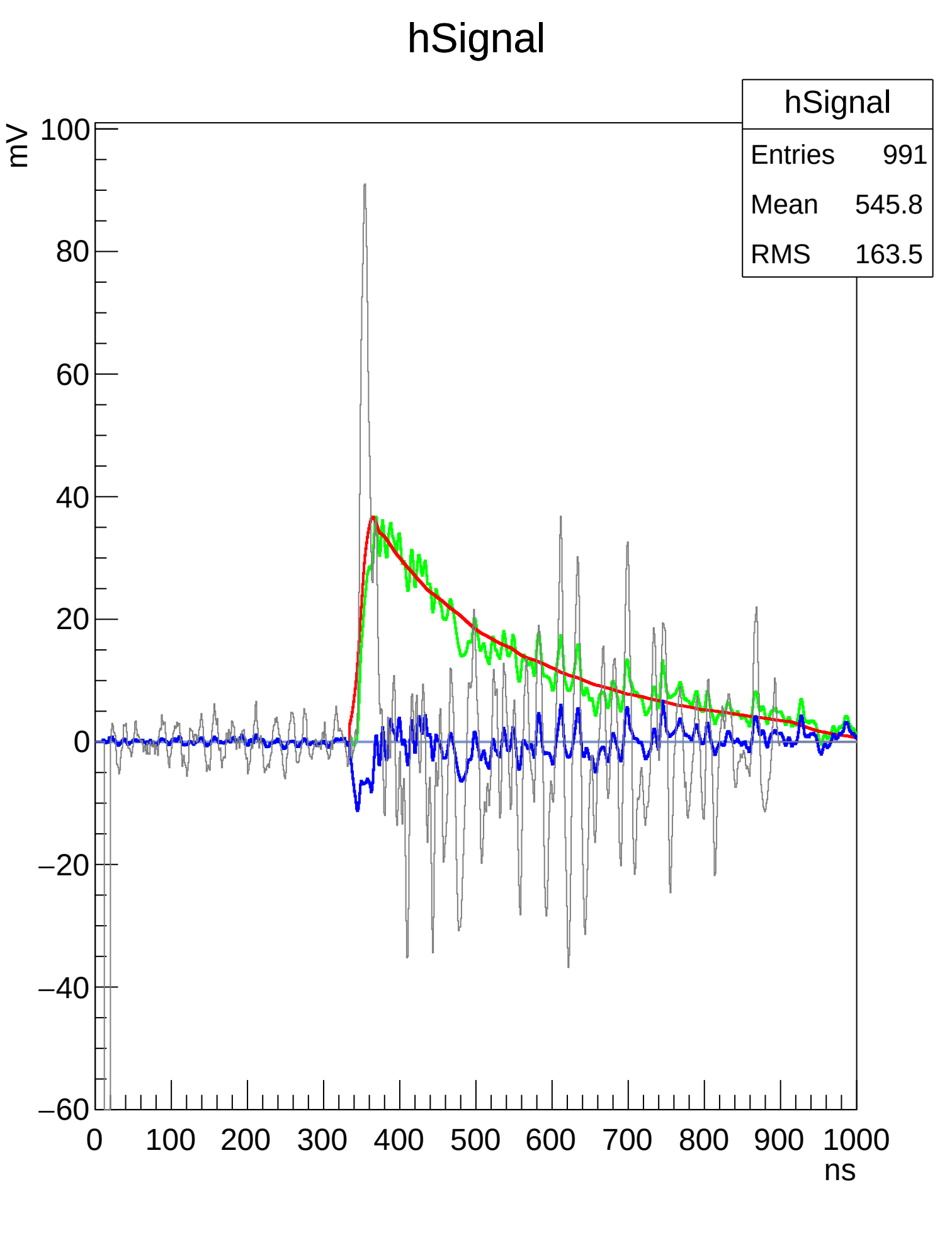
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.4
RMS 163.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.8
RMS 163.5
mV
100
80
60
40
20
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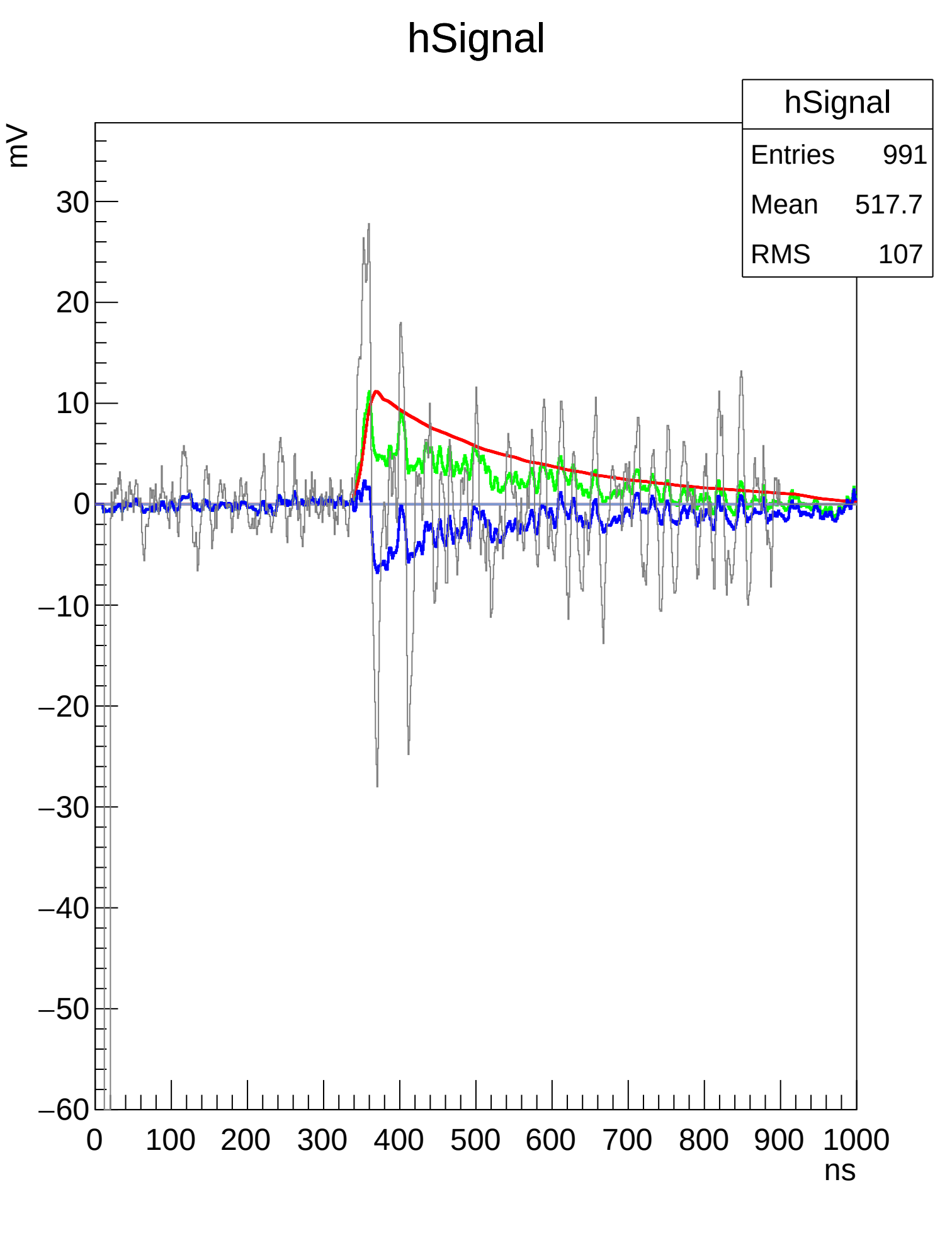
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.7
RMS 107
mV
30
20
10
0
−10
−20
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−40
−50
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0
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200
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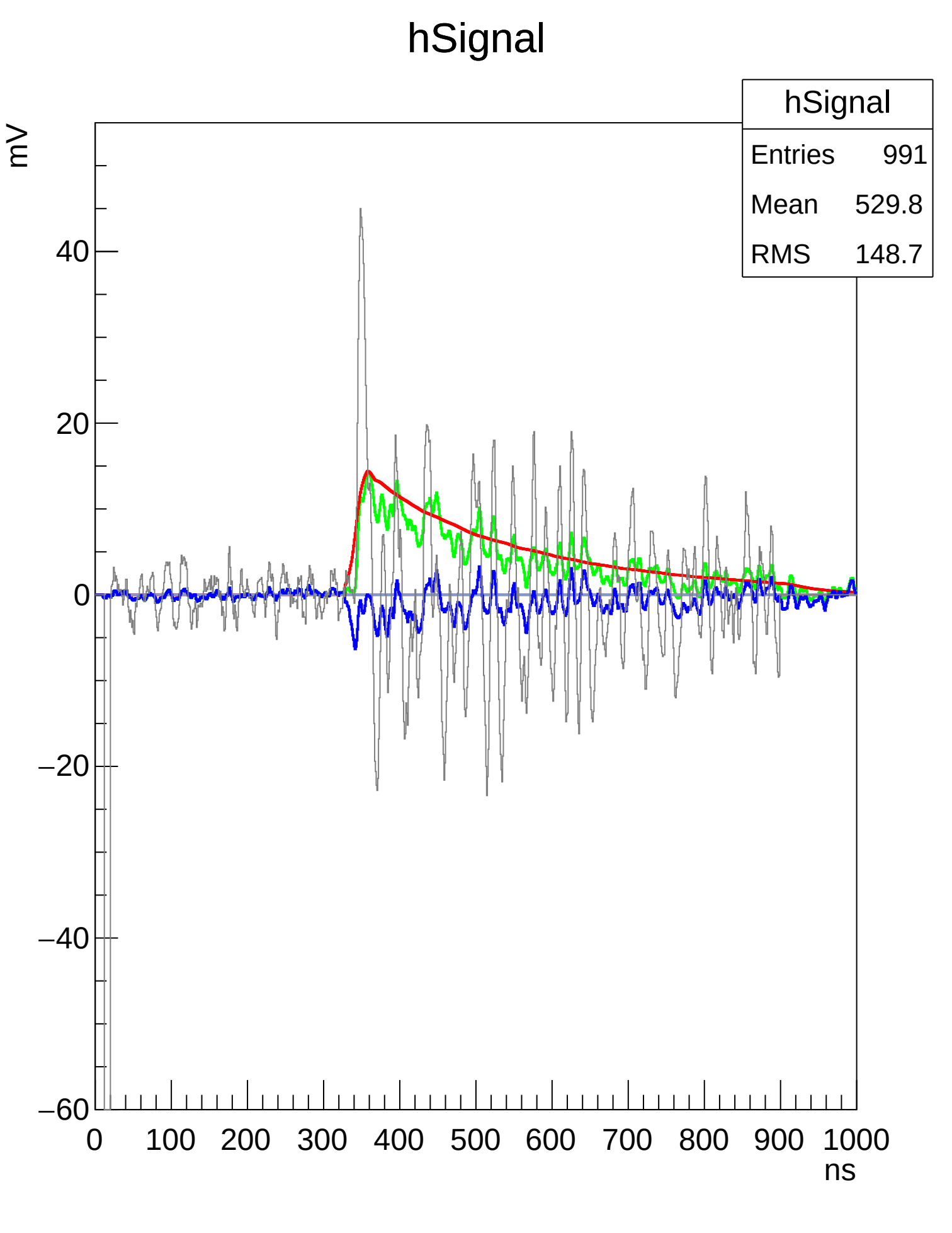
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.8
RMS 148.7
mV
40
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−20
−40
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0
100
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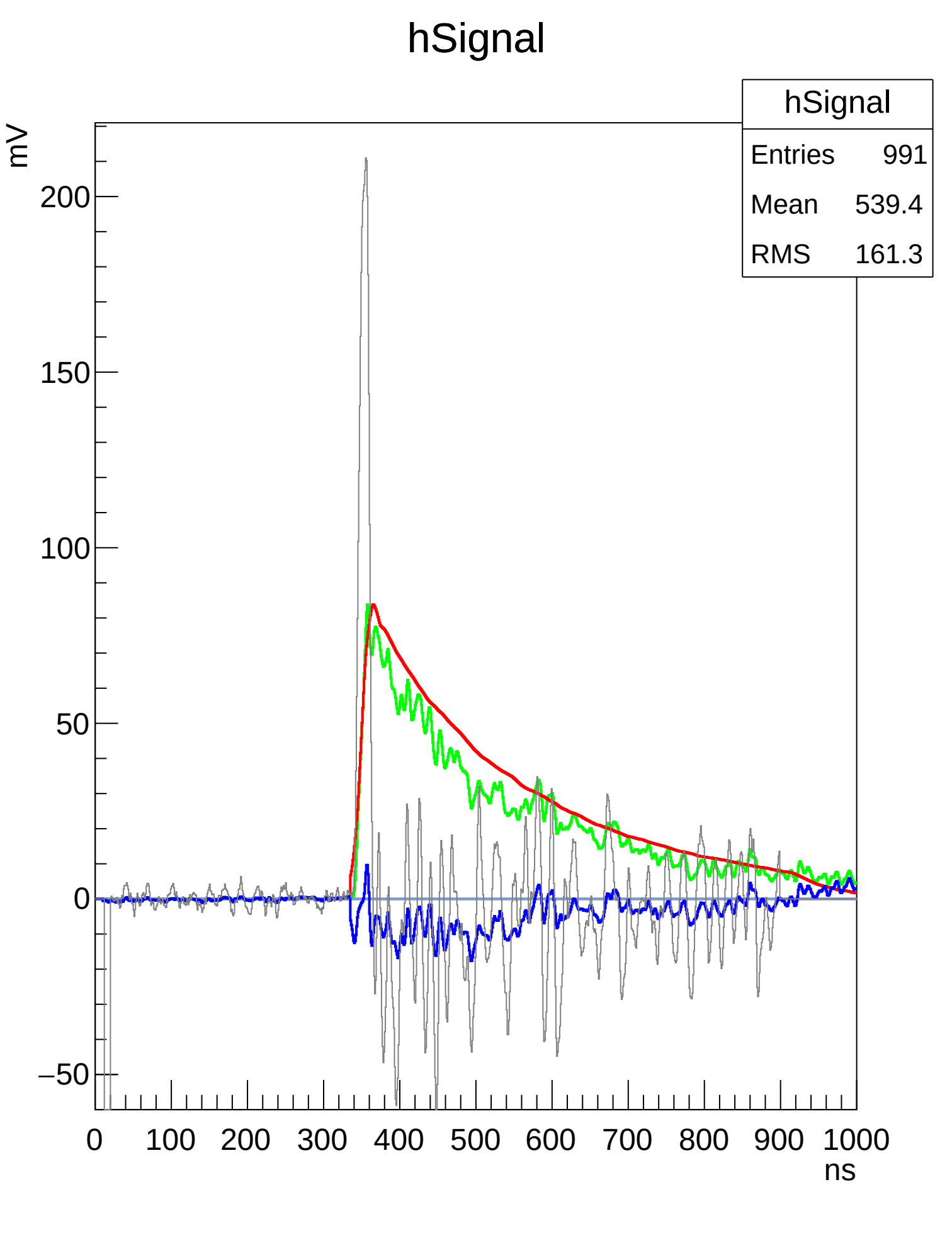
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.4
RMS 161.3
mV
200
150
100
50
0
−50
0
100
200
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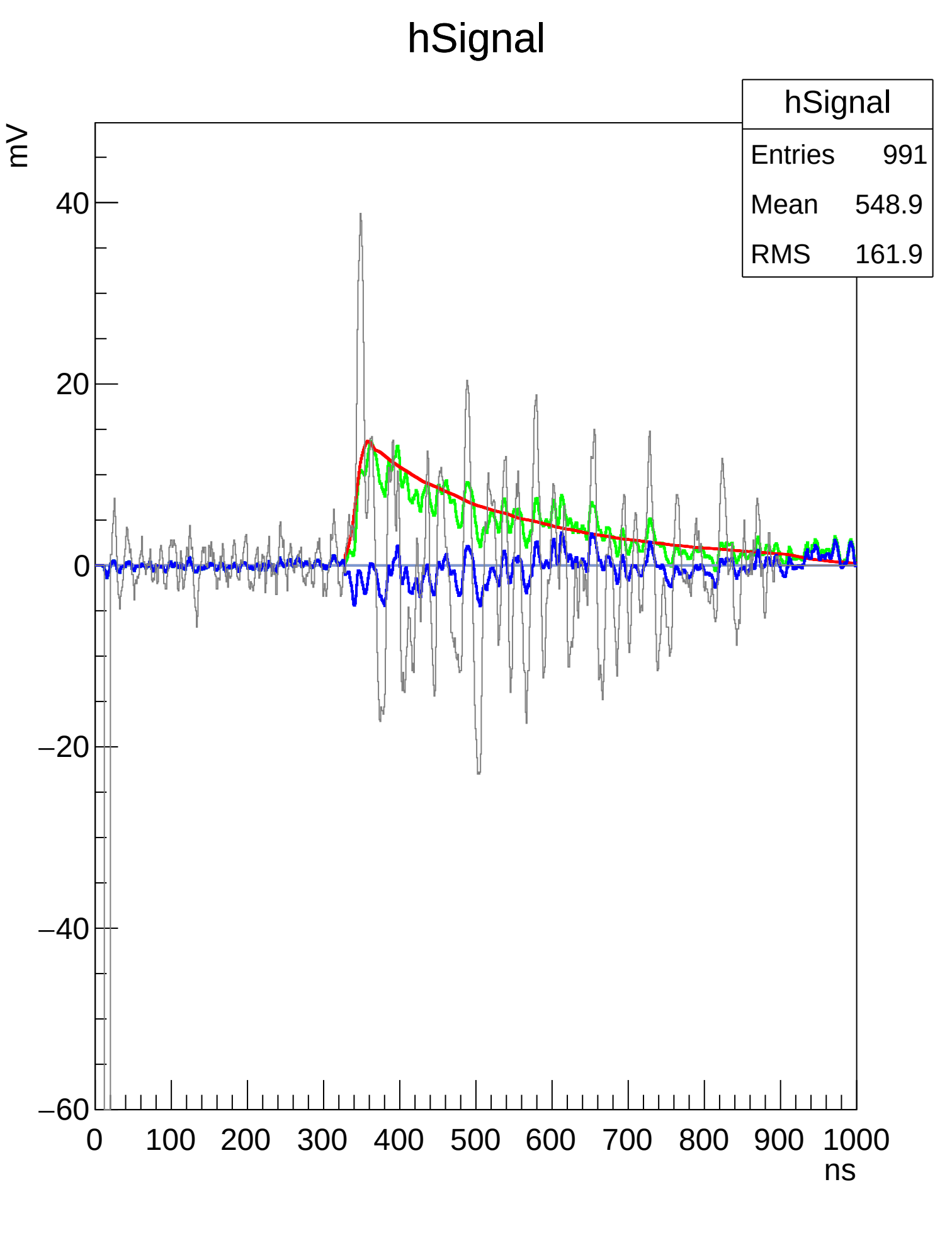
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.9
RMS 161.9
mV
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−20
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0
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600
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800
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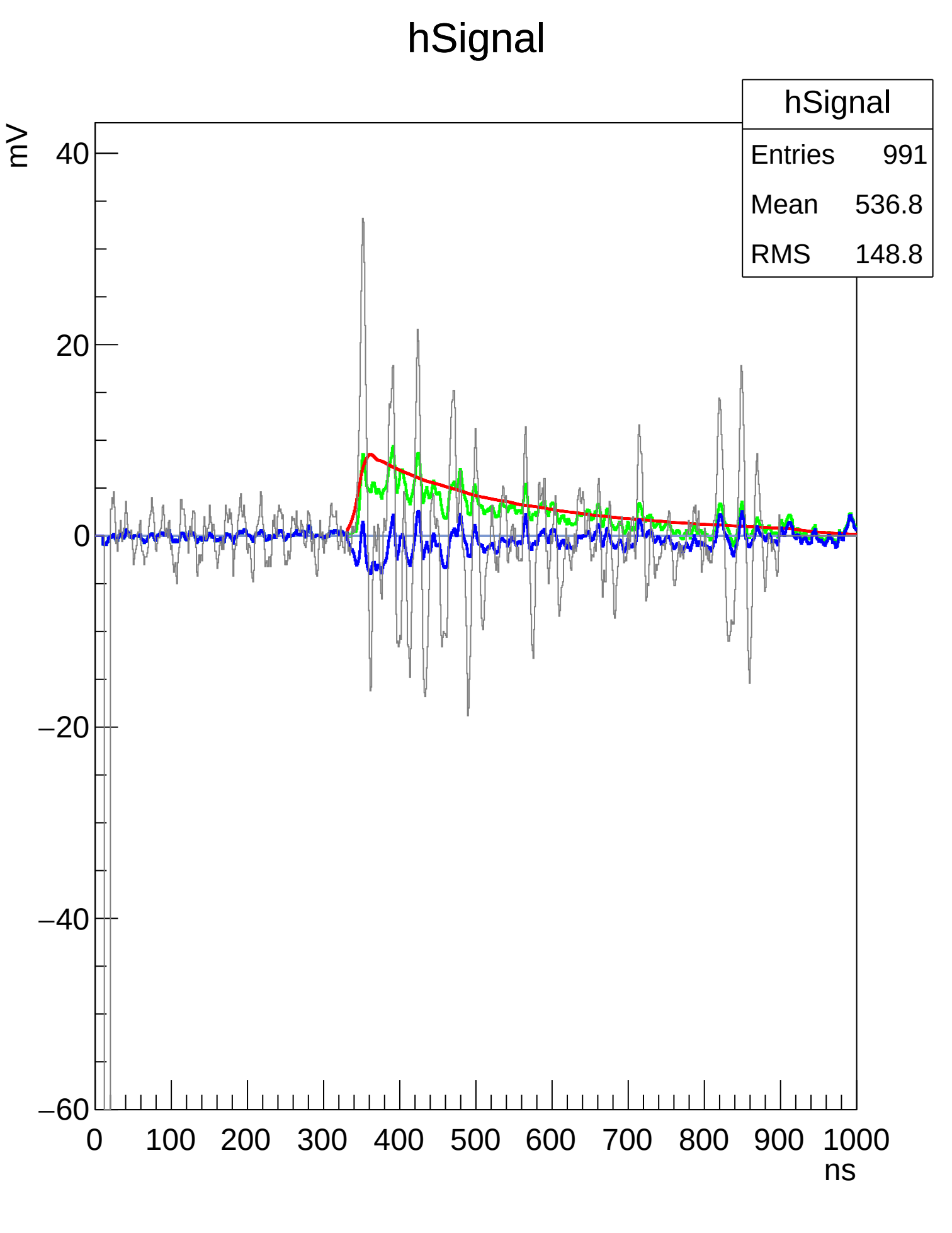
1000
ns


hSignal
hSignal
Entries 991
Mean 536.8
RMS 148.8
mV
40
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−20
−40
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0
100
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600
700
800
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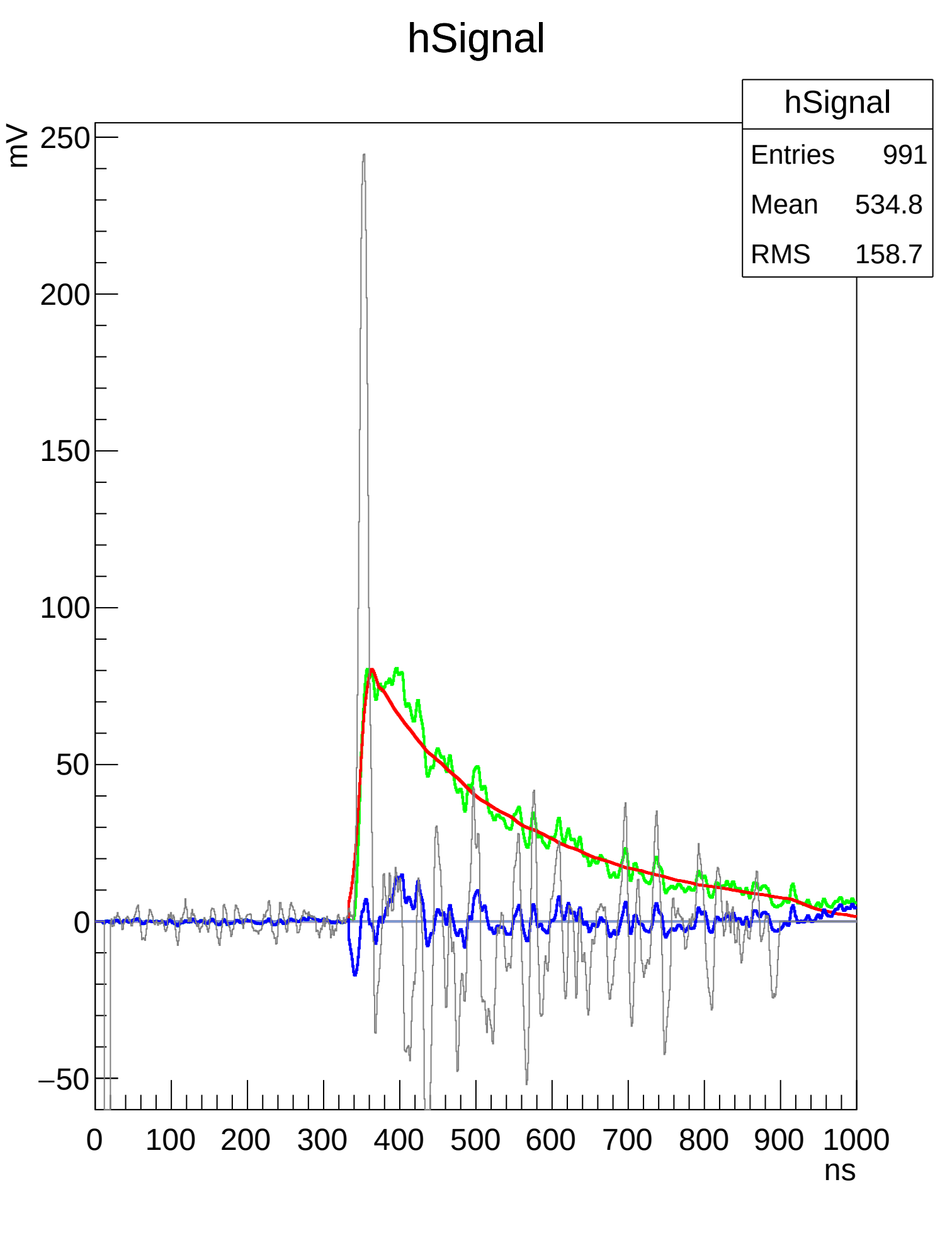
1000
ns


hSignal
hSignal
Entries 991
Mean 534.8
RMS 158.7
mV
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200
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100
50
0
−50
0
100
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600
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800
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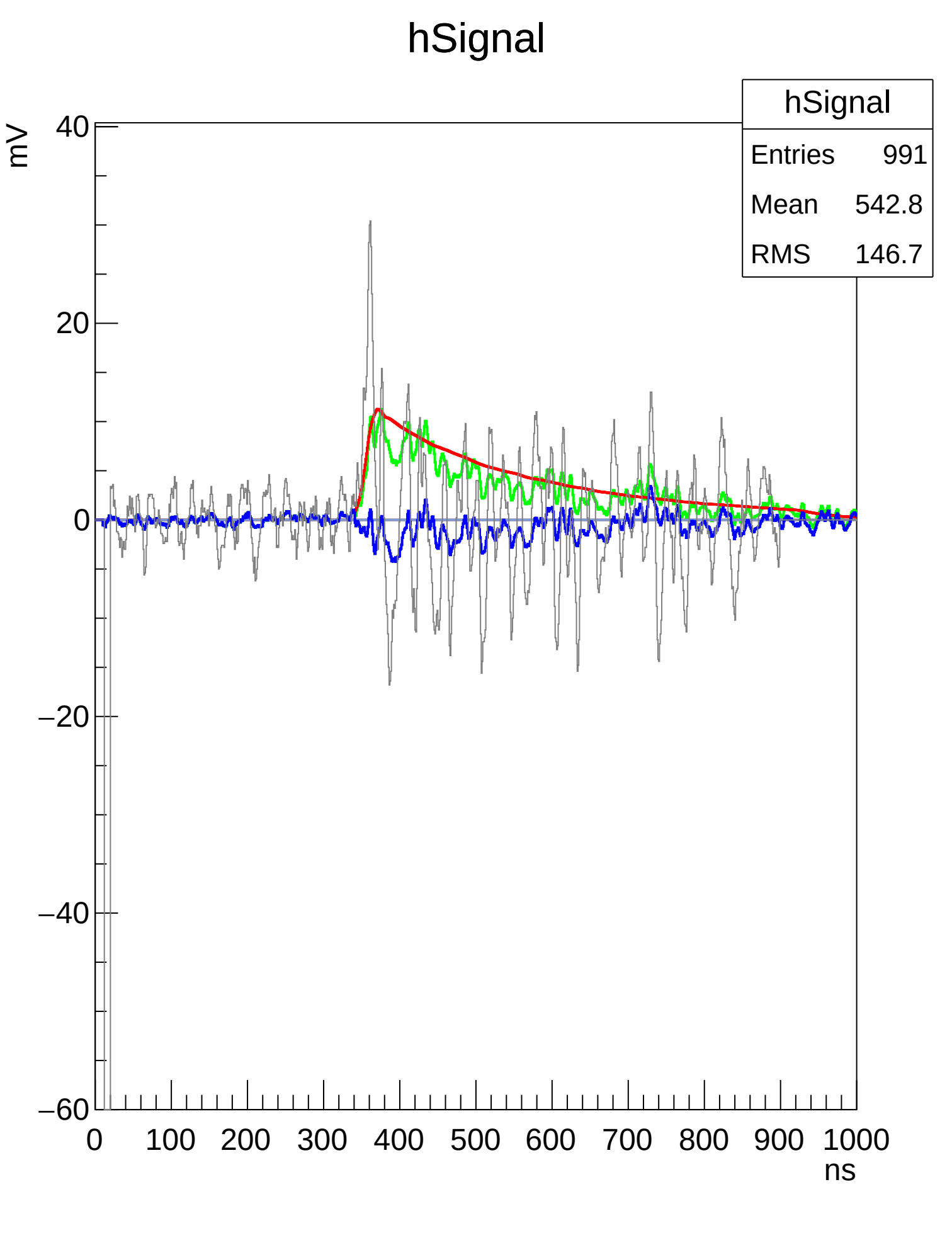
1000
ns


hSignal
hSignal
Entries 991
Mean 542.8
RMS 146.7
mV
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−20
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1000
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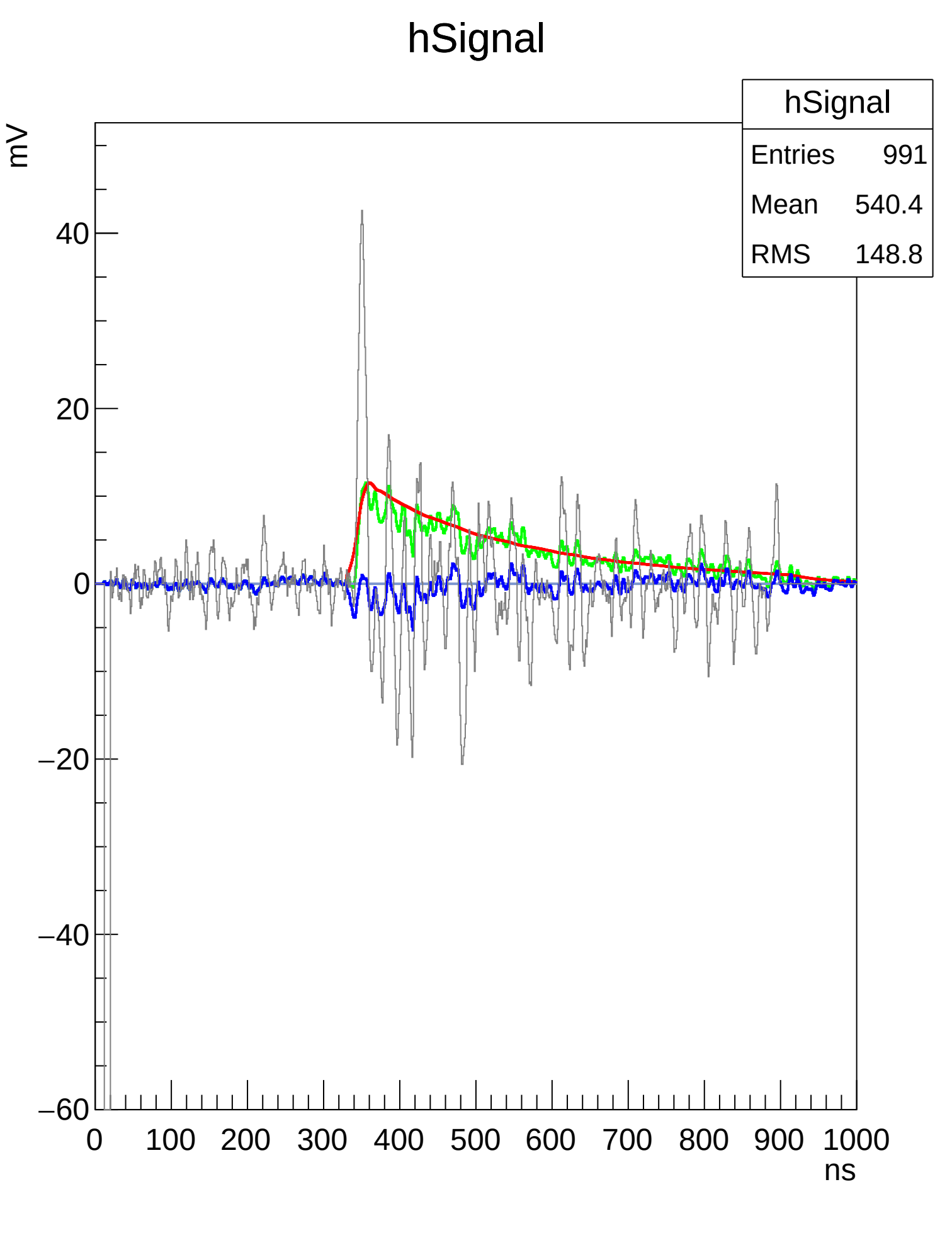
hSignal
hSignal
Entries 991
Mean 540.4
RMS 148.8
mV
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−20
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−60
0
100
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1000
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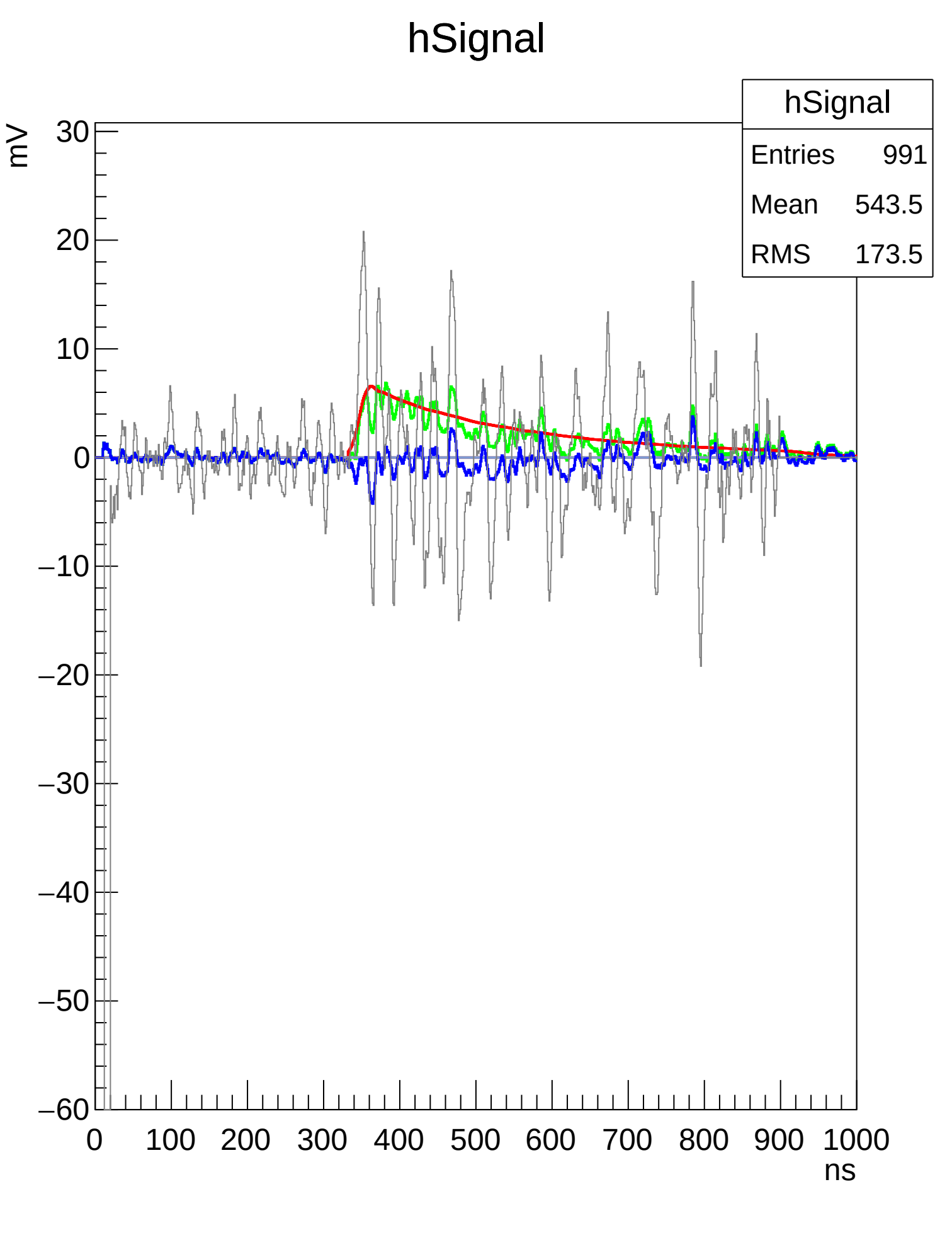
hSignal
hSignal
Entries 991
Mean 543.5
RMS 173.5
mV
30
20
10
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−50
−60
0
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500
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800
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1000
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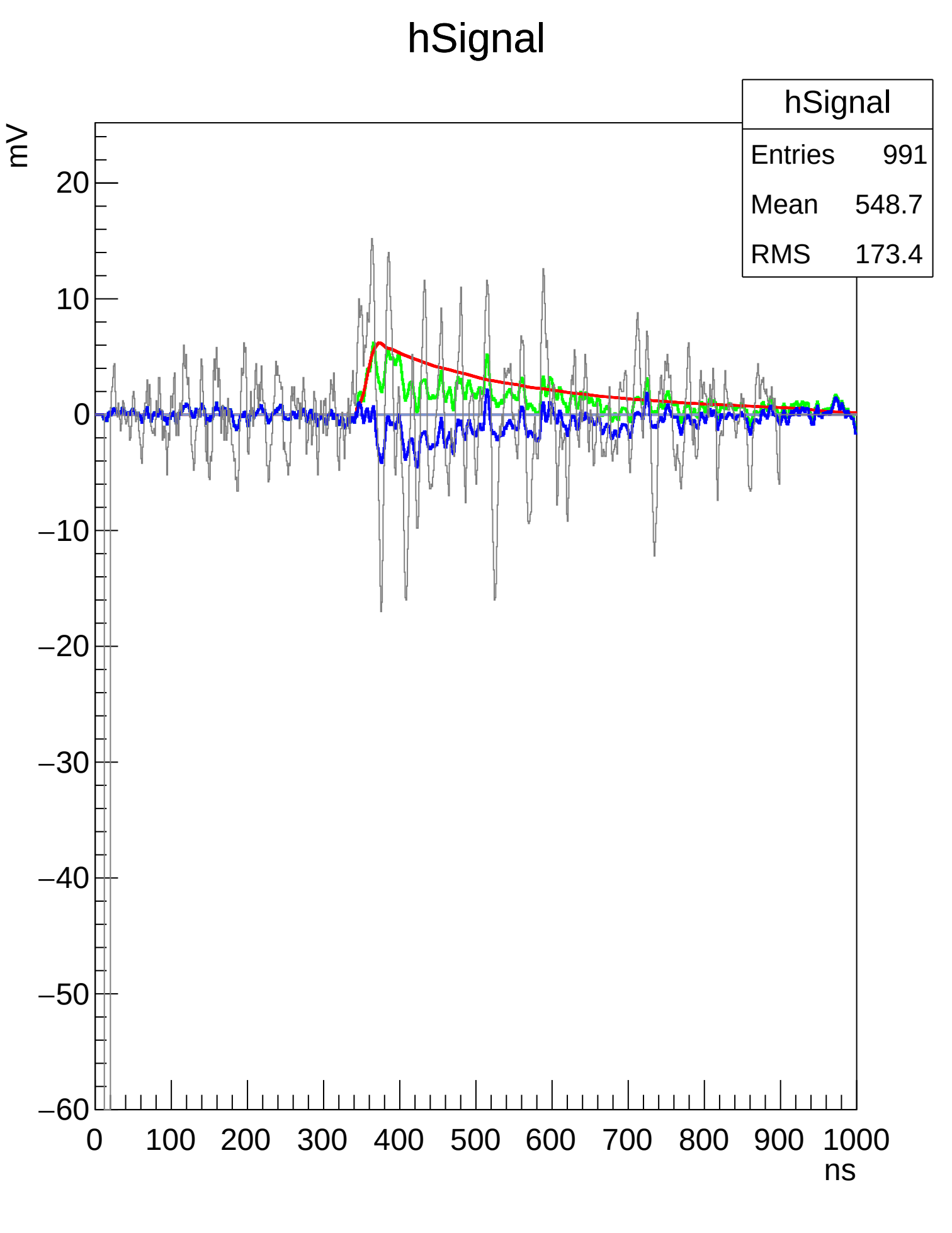
hSignal
hSignal
Entries 991
Mean 548.7
RMS 173.4
mV
20
10
0
−10
−20
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−40
−50
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0
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200
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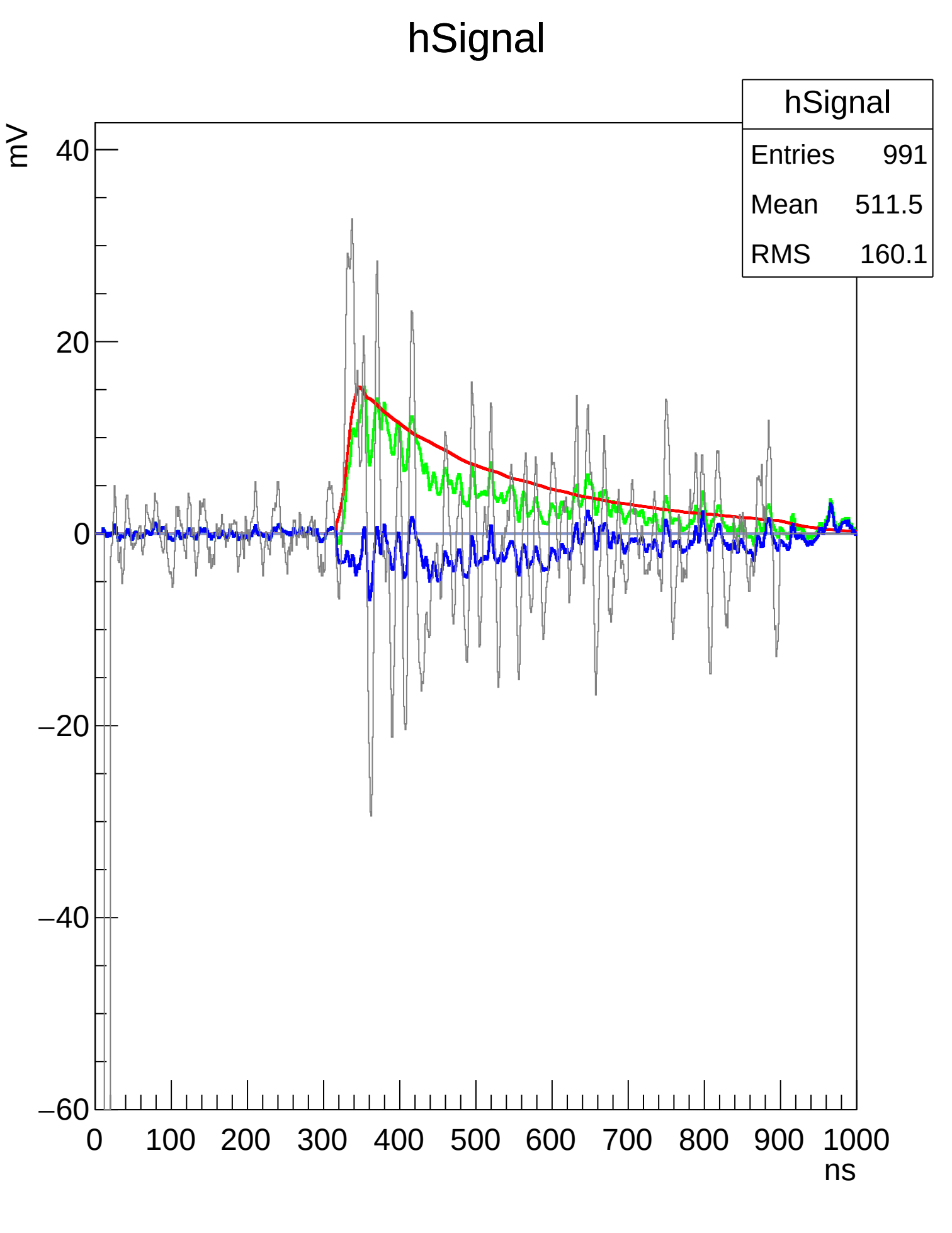
hSignal
hSignal
Entries 991
Mean 511.5
RMS 160.1
mV
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−20
−40
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0
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800
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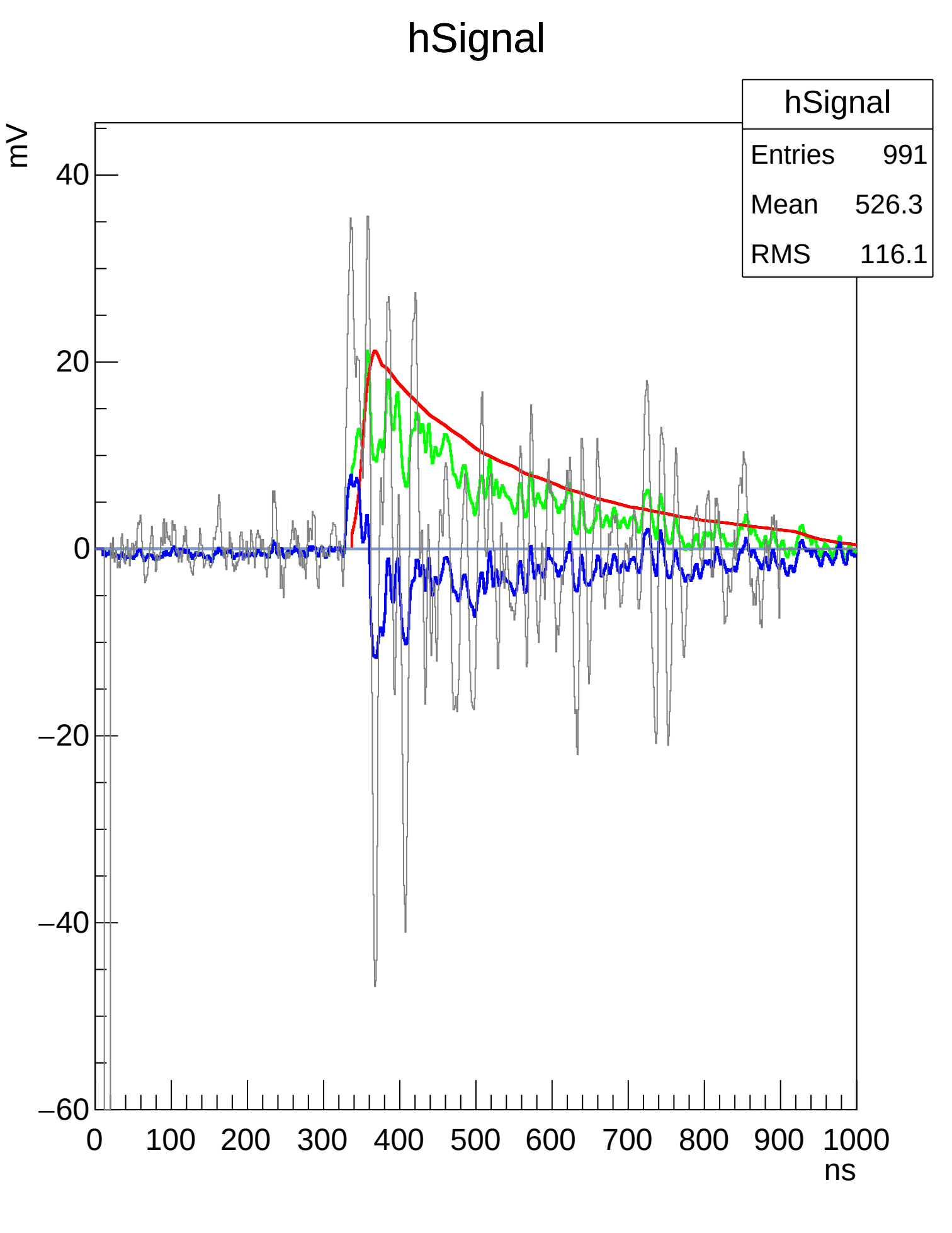
1000
ns


hSignal
hSignal
Entries 991
Mean 526.3
RMS 116.1
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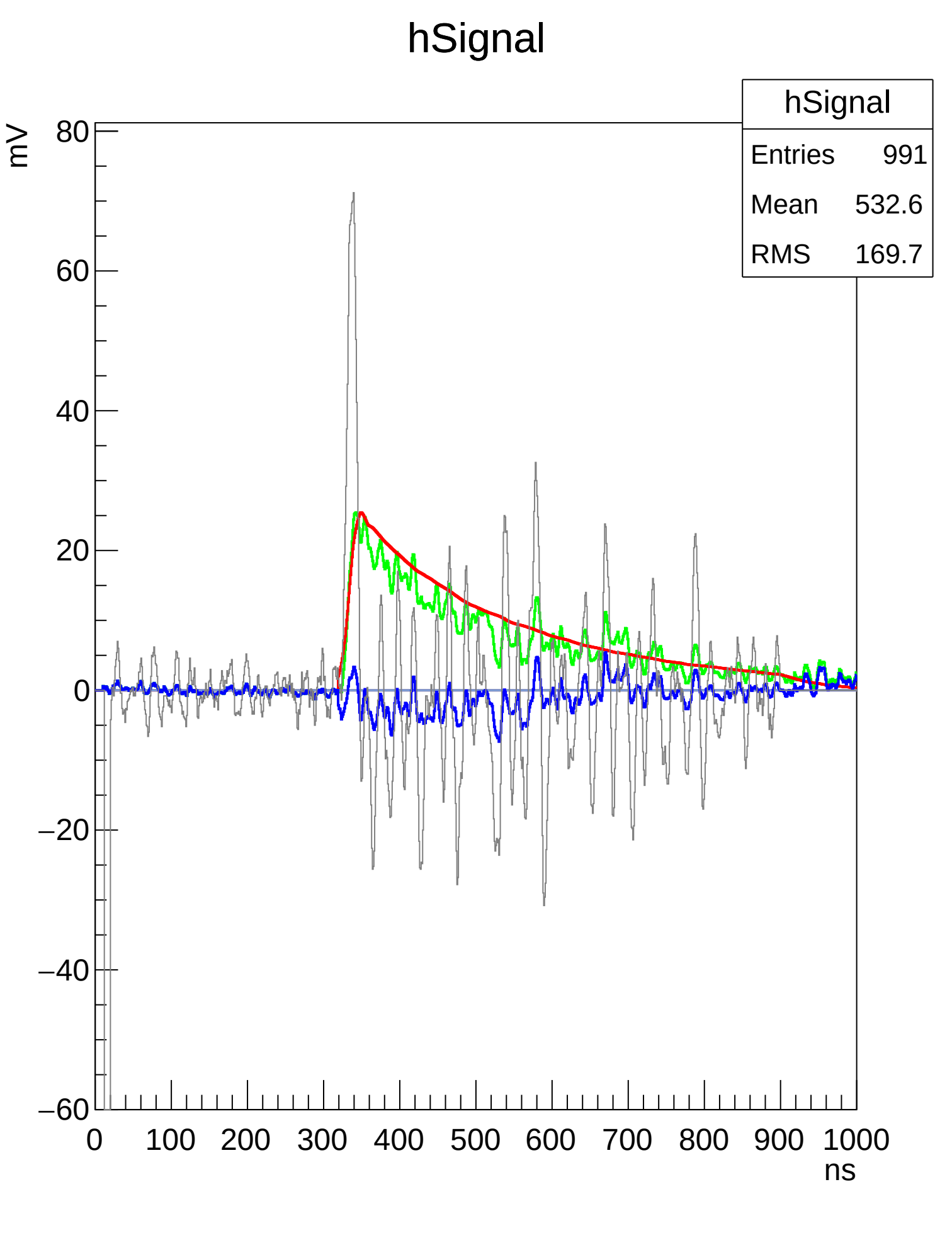
hSignal
hSignal
Entries 991
Mean 532.6
RMS 169.7
mV
80
60
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−20
−40
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0
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400
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600
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800
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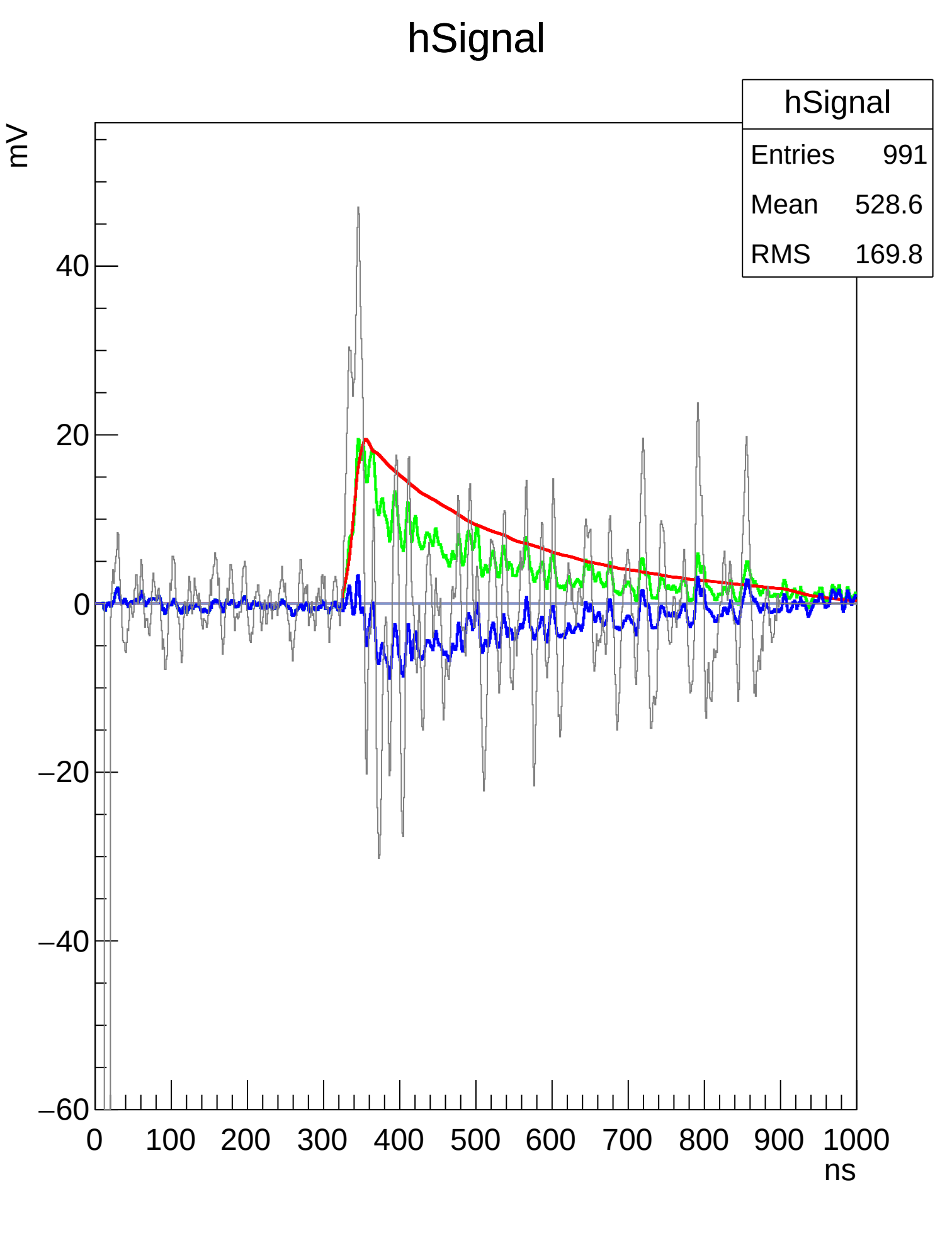
1000
ns


hSignal
hSignal
Entries 991
Mean 528.6
RMS 169.8
mV
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−20
−40
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0
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600
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800
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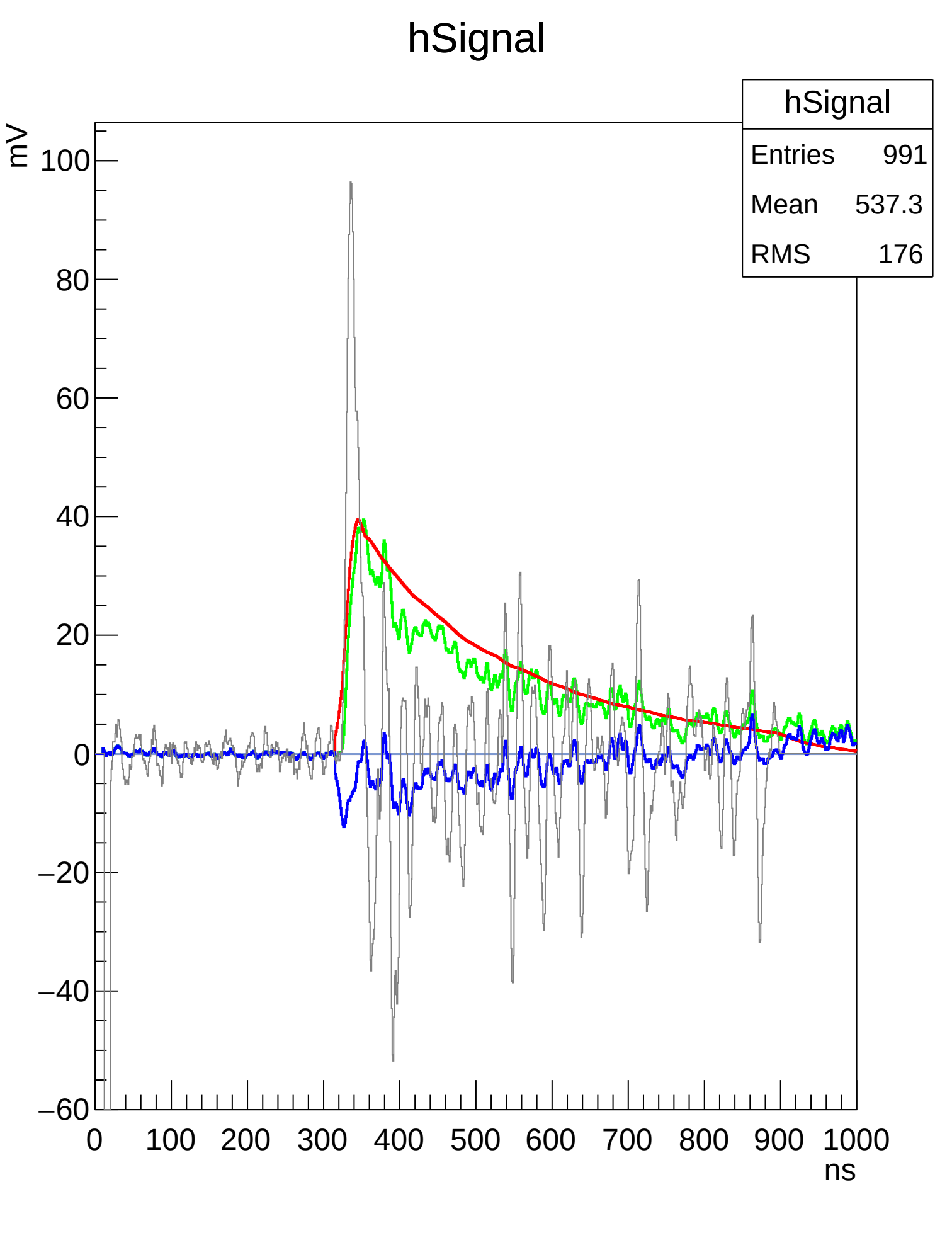
1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 176
mV
100
80
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40
20
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−20
−40
−60
0
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200
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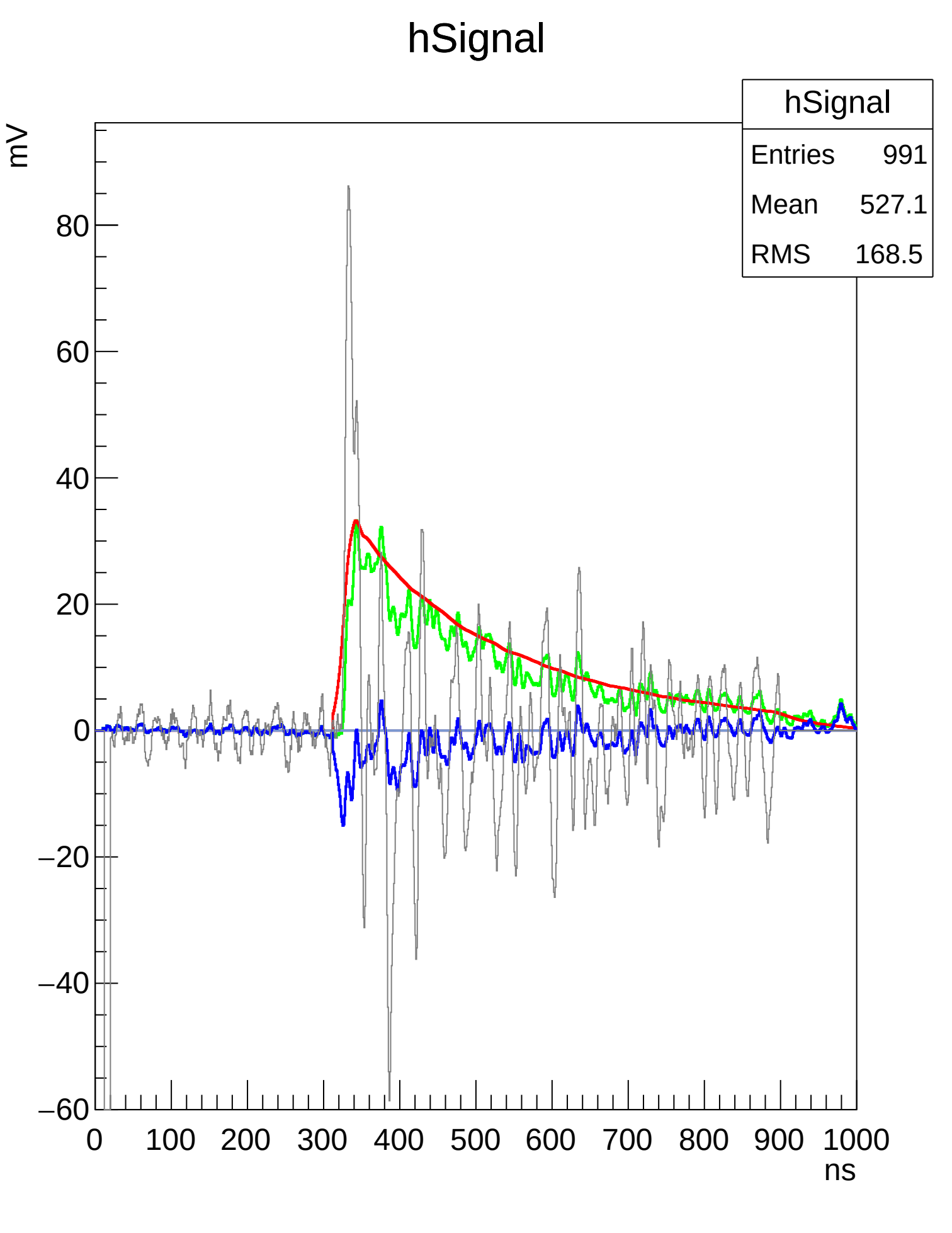
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.1
RMS 168.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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600
700
800
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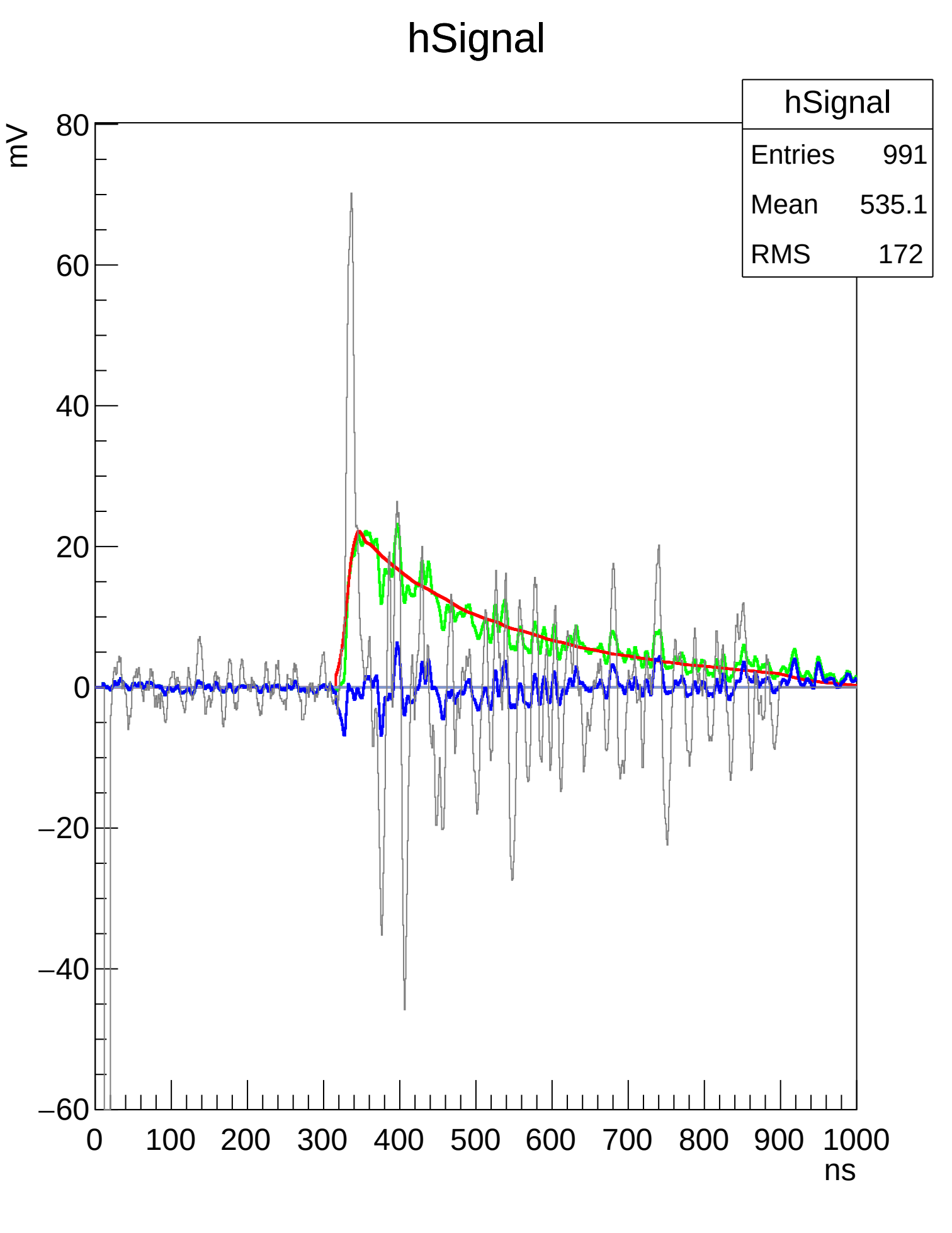
1000
ns


hSignal
hSignal
Entries 991
Mean 535.1
RMS 172
mV
80
60
40
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−20
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0
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400
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600
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800
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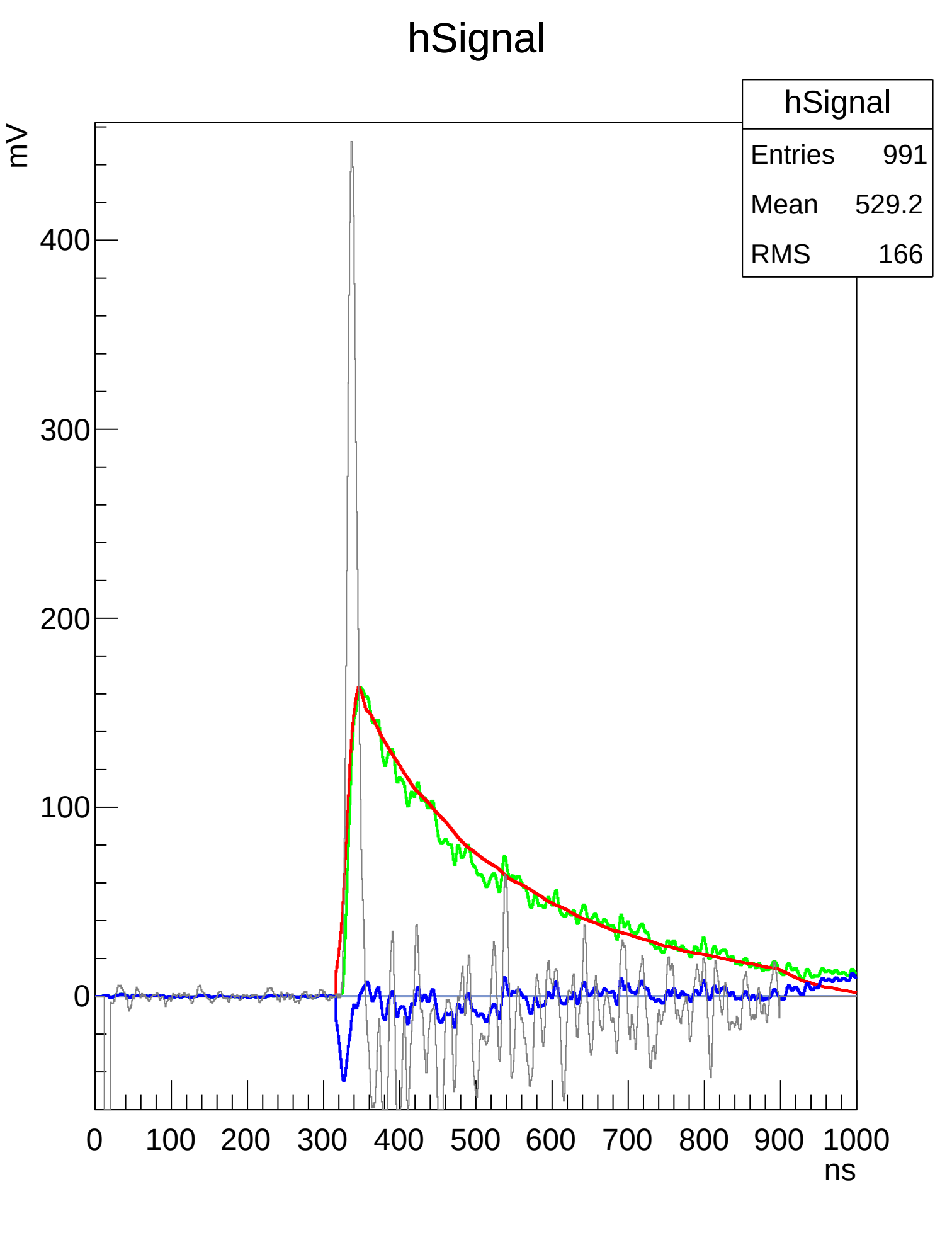
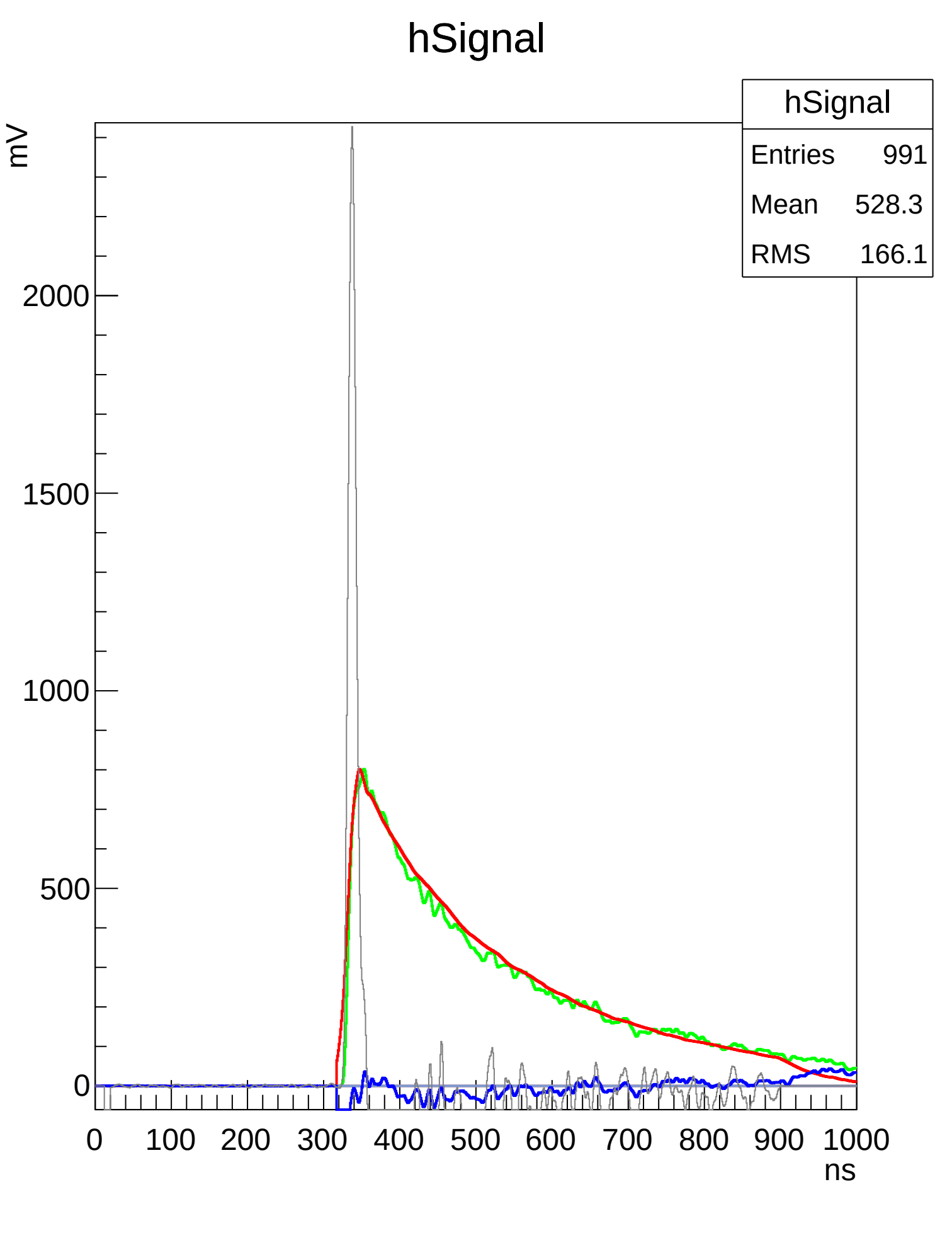
1000
ns


hSignal
hSignal
Entries 991
Mean 529.2
RMS 166
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.3
RMS 166.1
mV
2000
1500
1000
500
0
0
100
200
300
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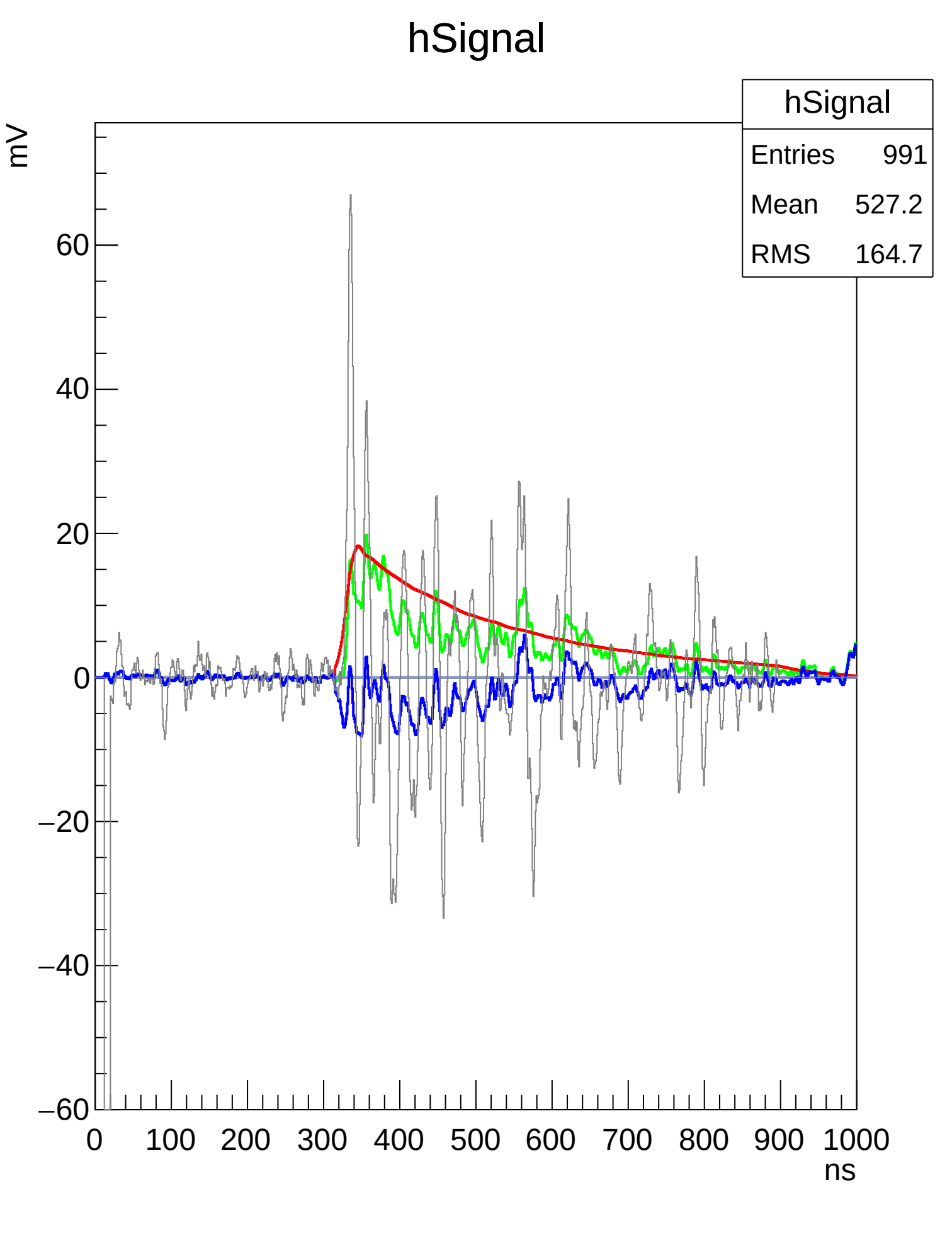
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.2
RMS 164.7
mV
60
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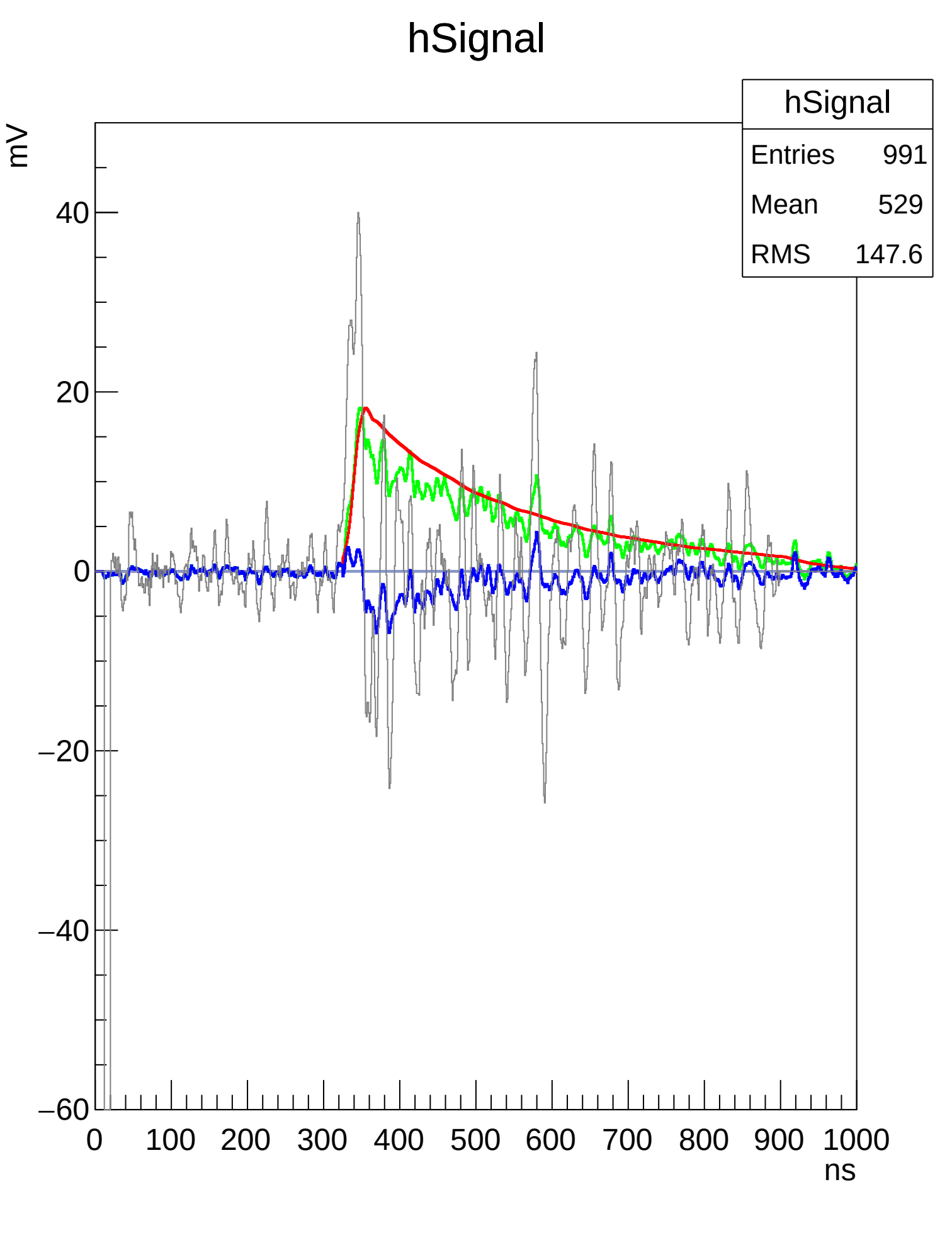
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529
RMS 147.6
mV
40
20
0
−20
−40
−60
0
100
200
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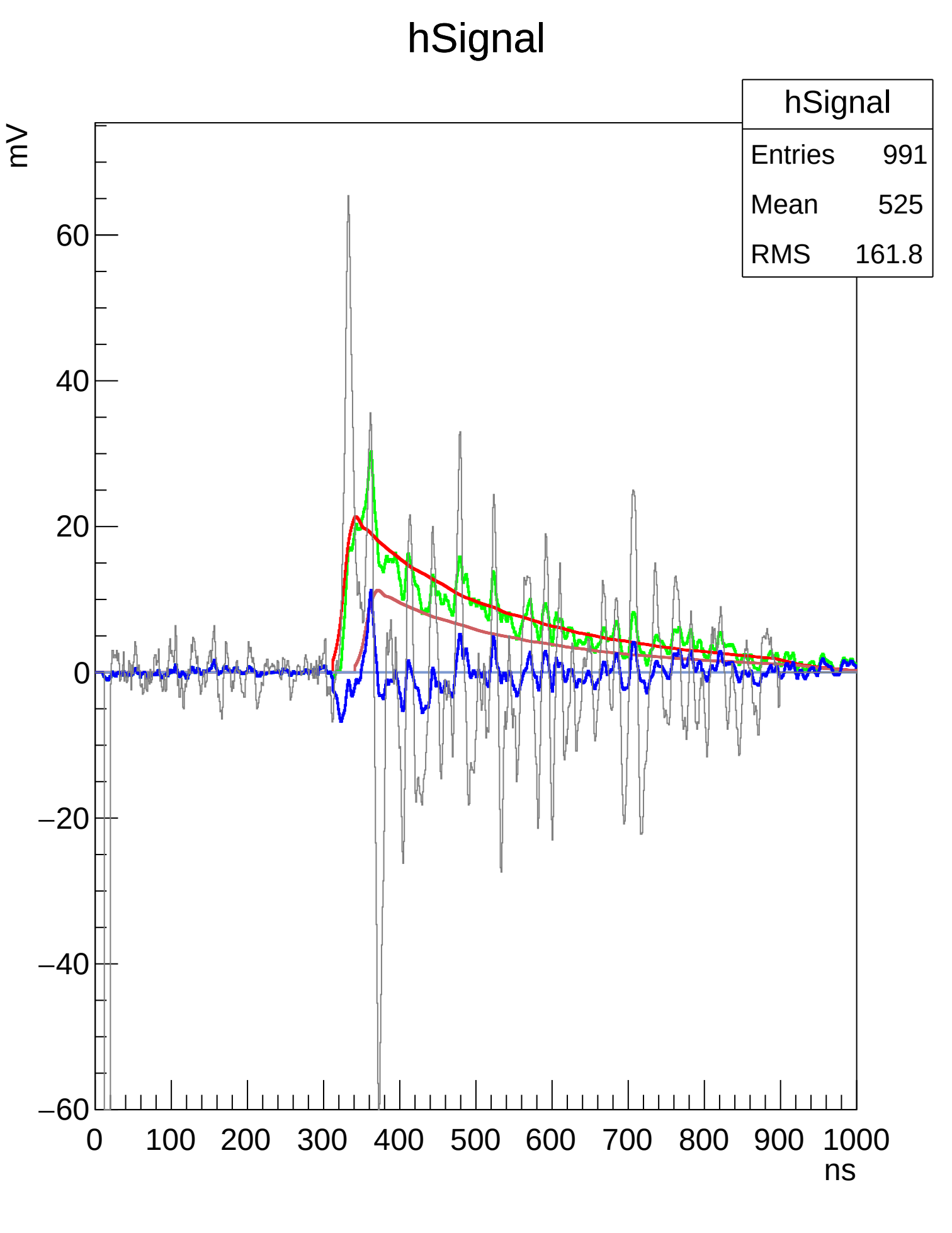
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525
RMS 161.8
mV
60
40
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−20
−40
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0
100
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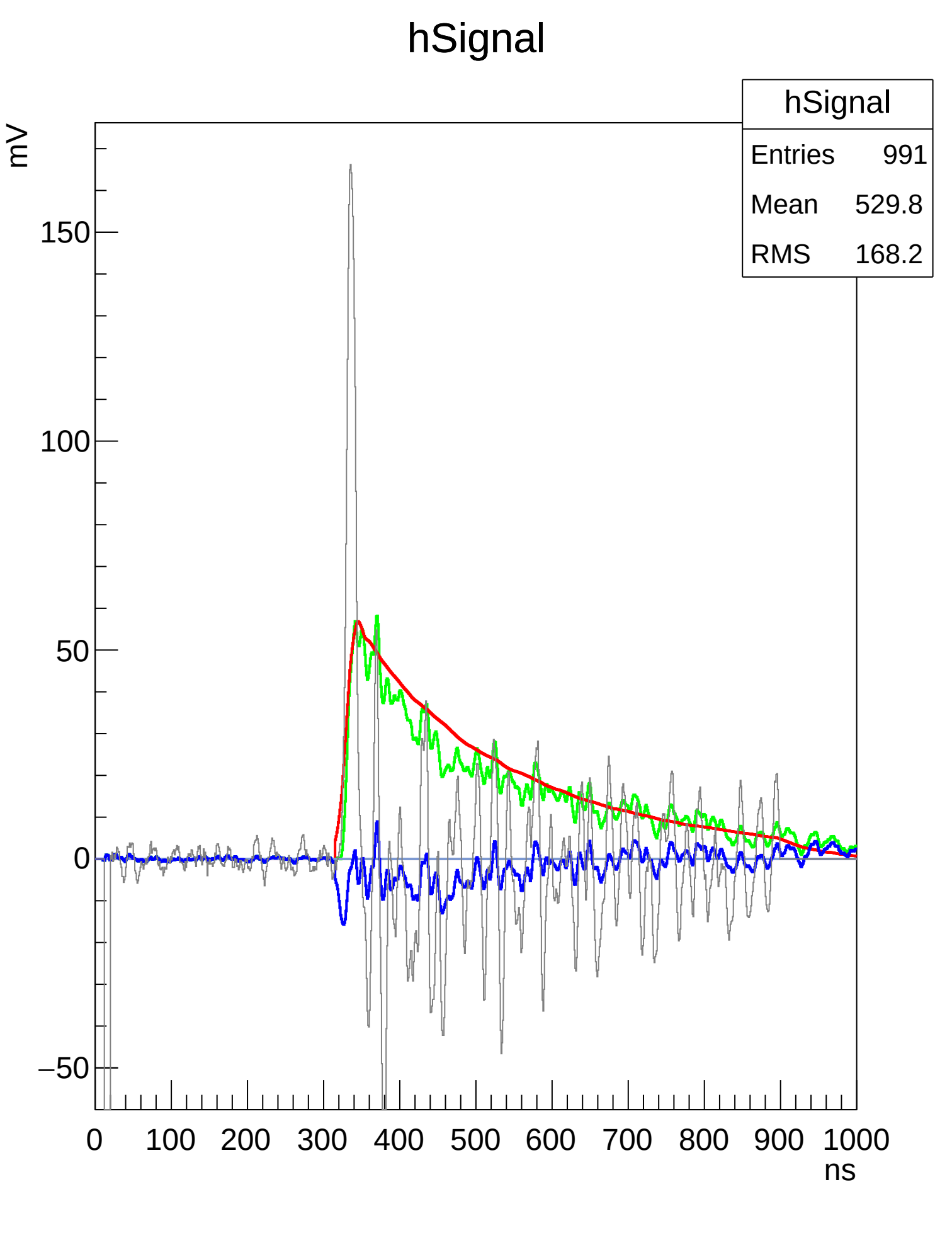
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.8
RMS 168.2
mV
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100
50
0
−50
0
100
200
300
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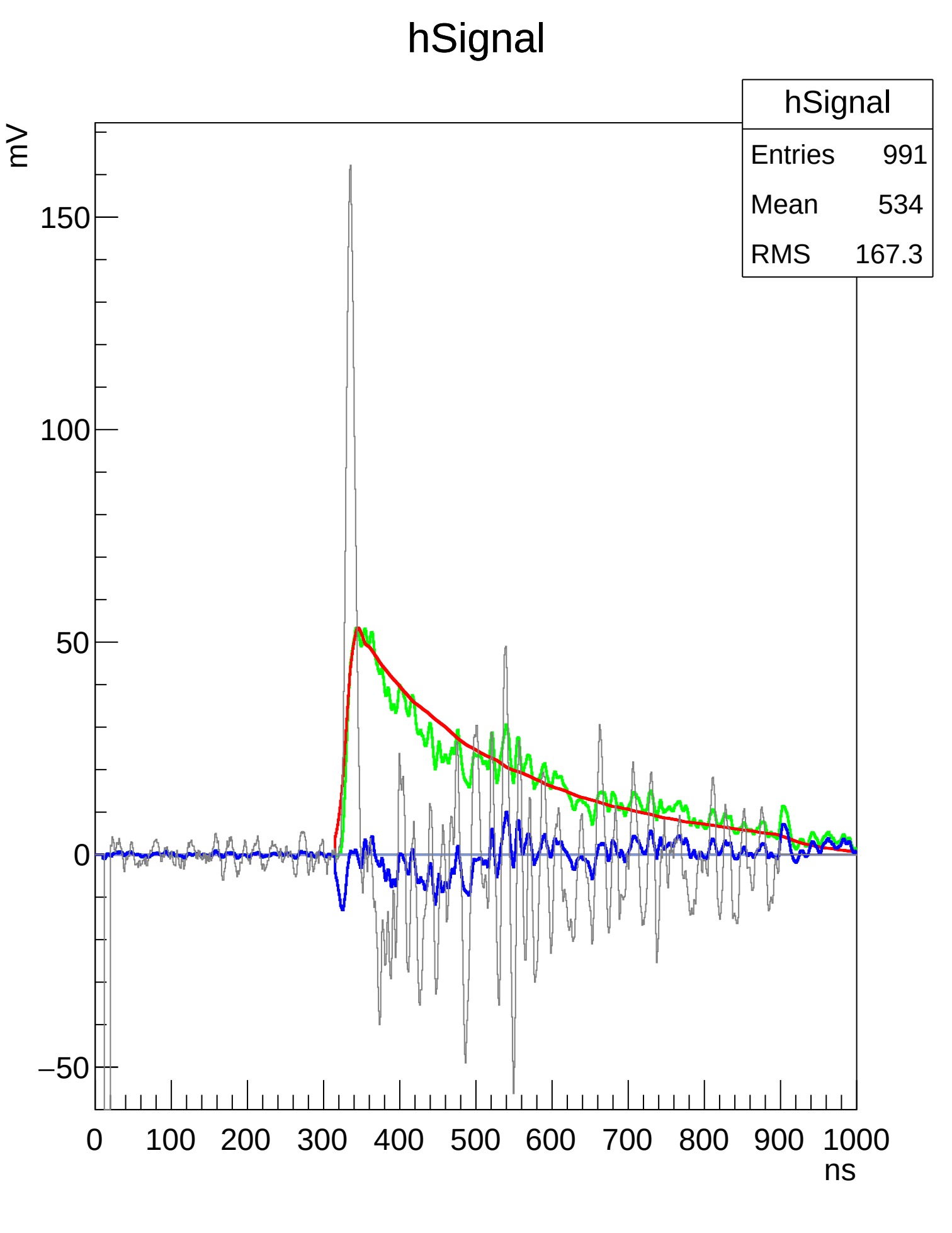
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534
RMS 167.3
mV
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100
50
0
−50
0
100
200
300
400
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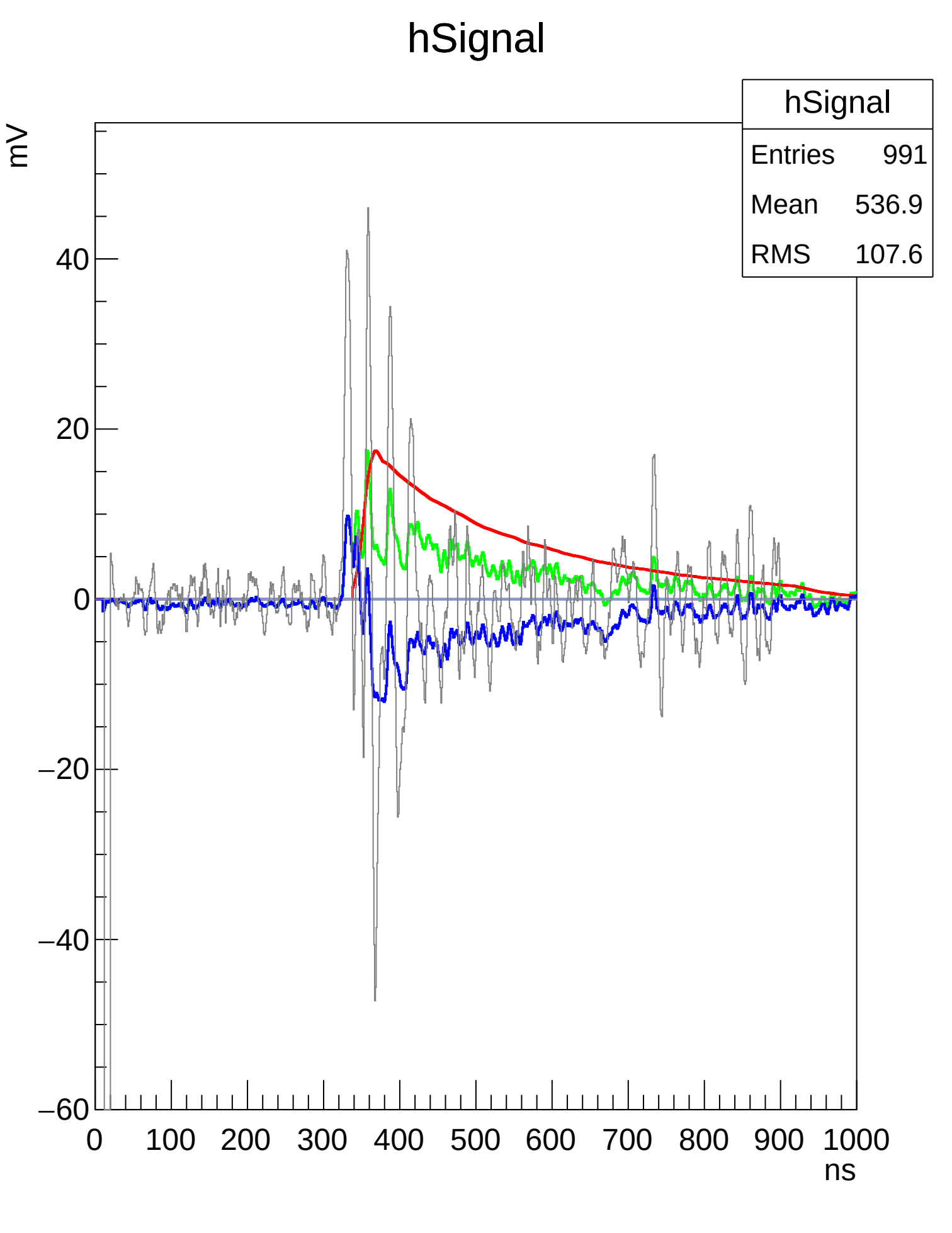
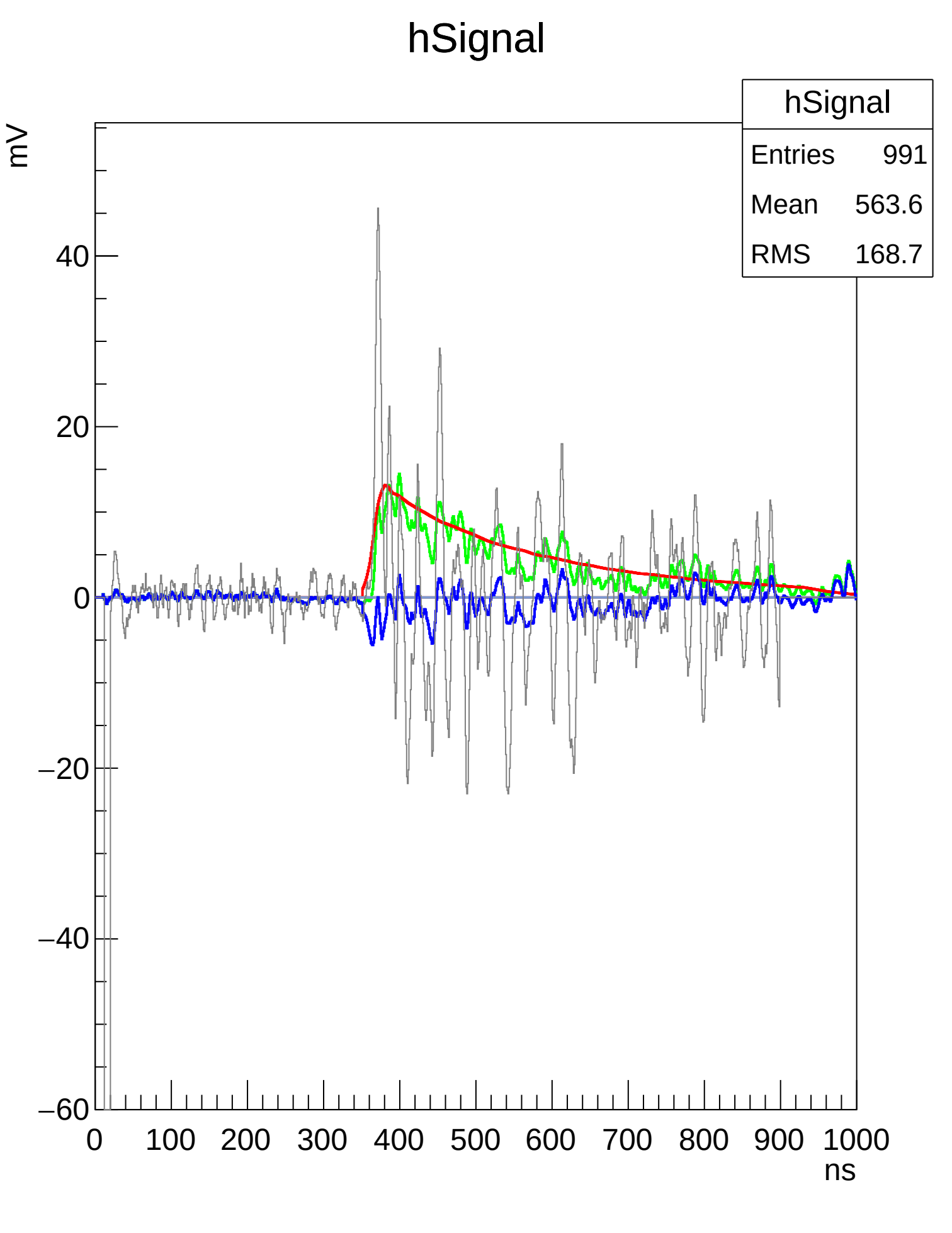
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.9
RMS 107.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.6
RMS 168.7
mV
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20
0
−20
−40
−60
0
100
200
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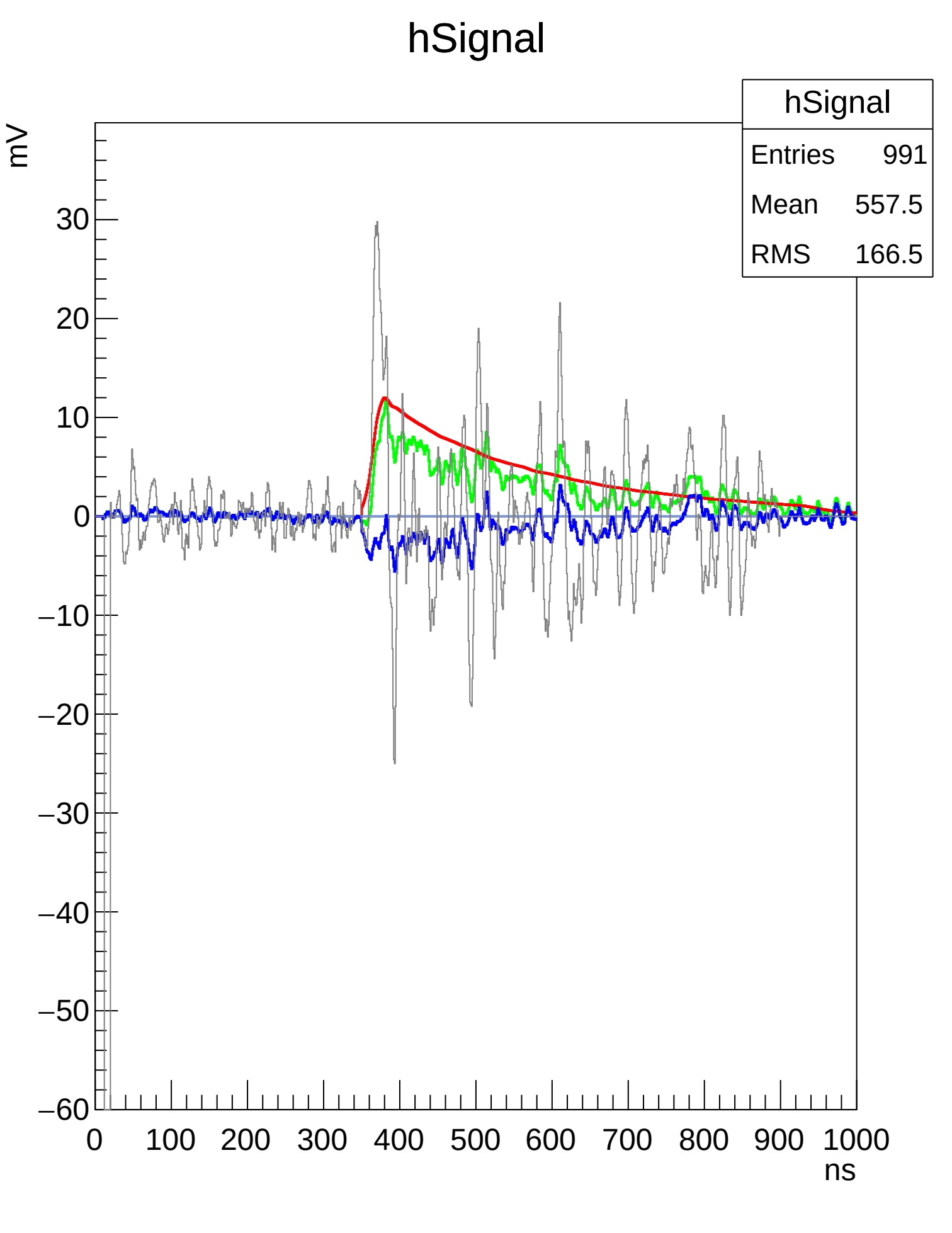
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.5
RMS 166.5
mV
30
20
10
0
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−50
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0
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400
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1000
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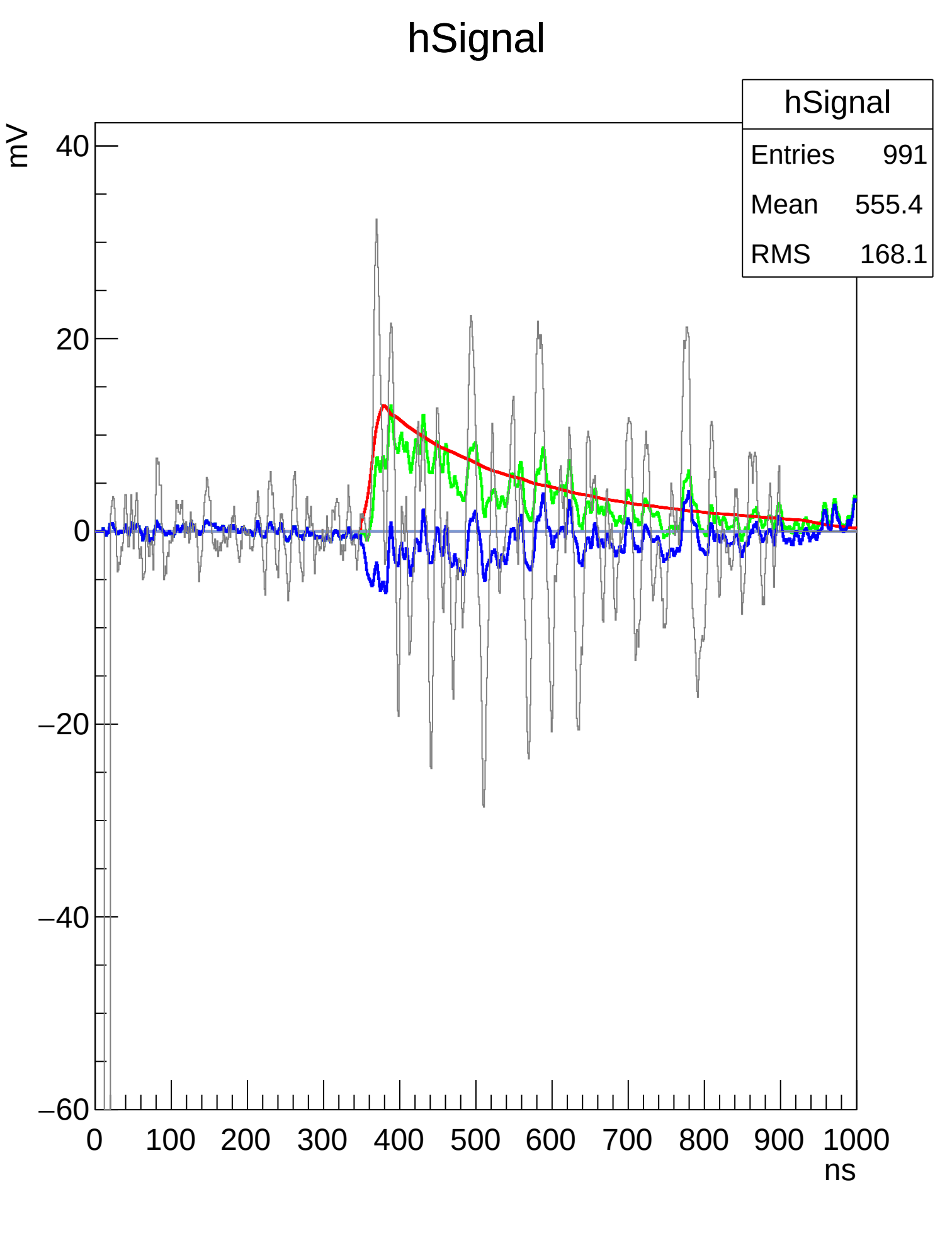
hSignal
hSignal
Entries 991
Mean 555.4
RMS 168.1
mV
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−20
−40
−60
0
100
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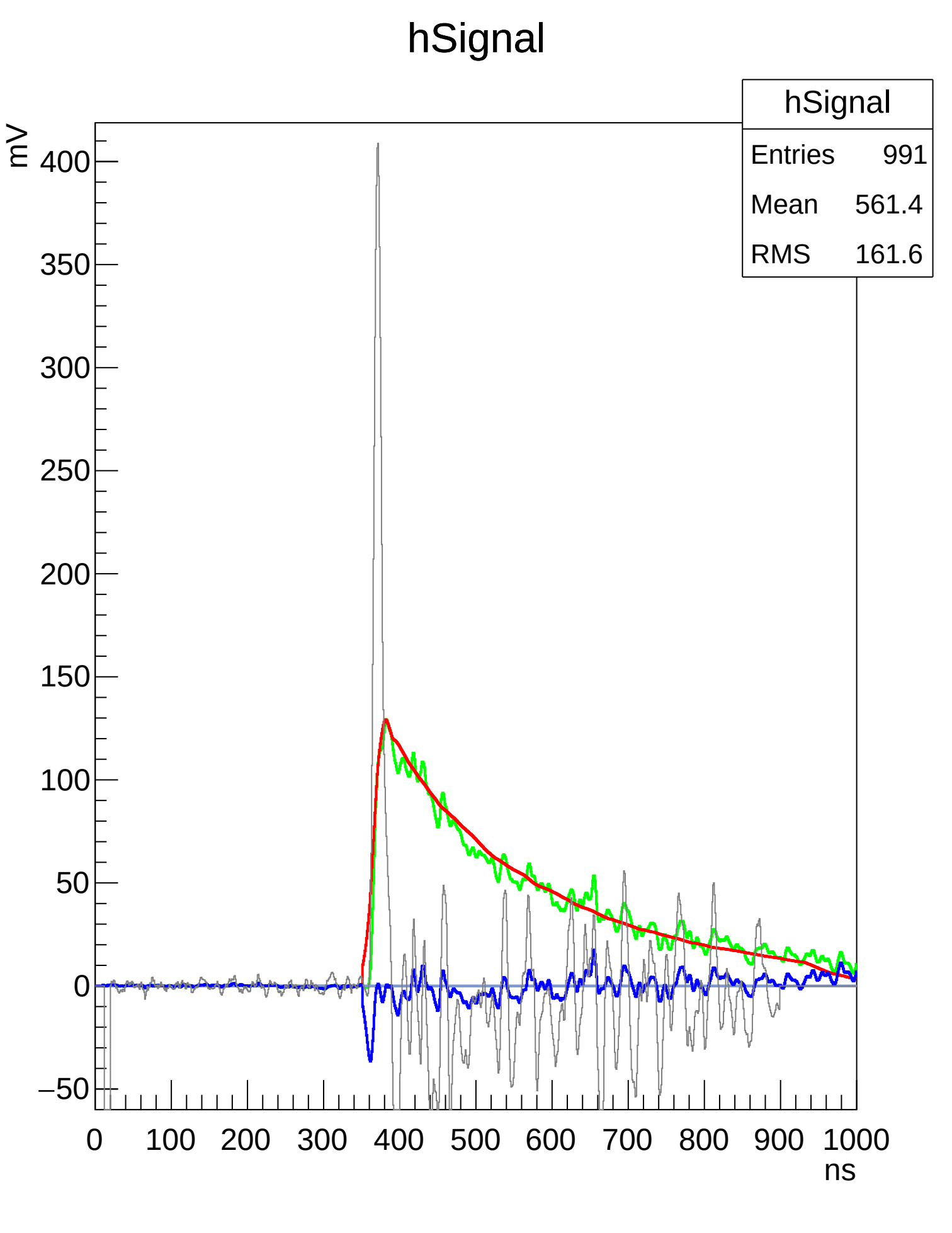
1000
ns


hSignal
hSignal
Entries 991
Mean 561.4
RMS 161.6
mV
400
350
300
250
200
150
100
50
0
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0
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400
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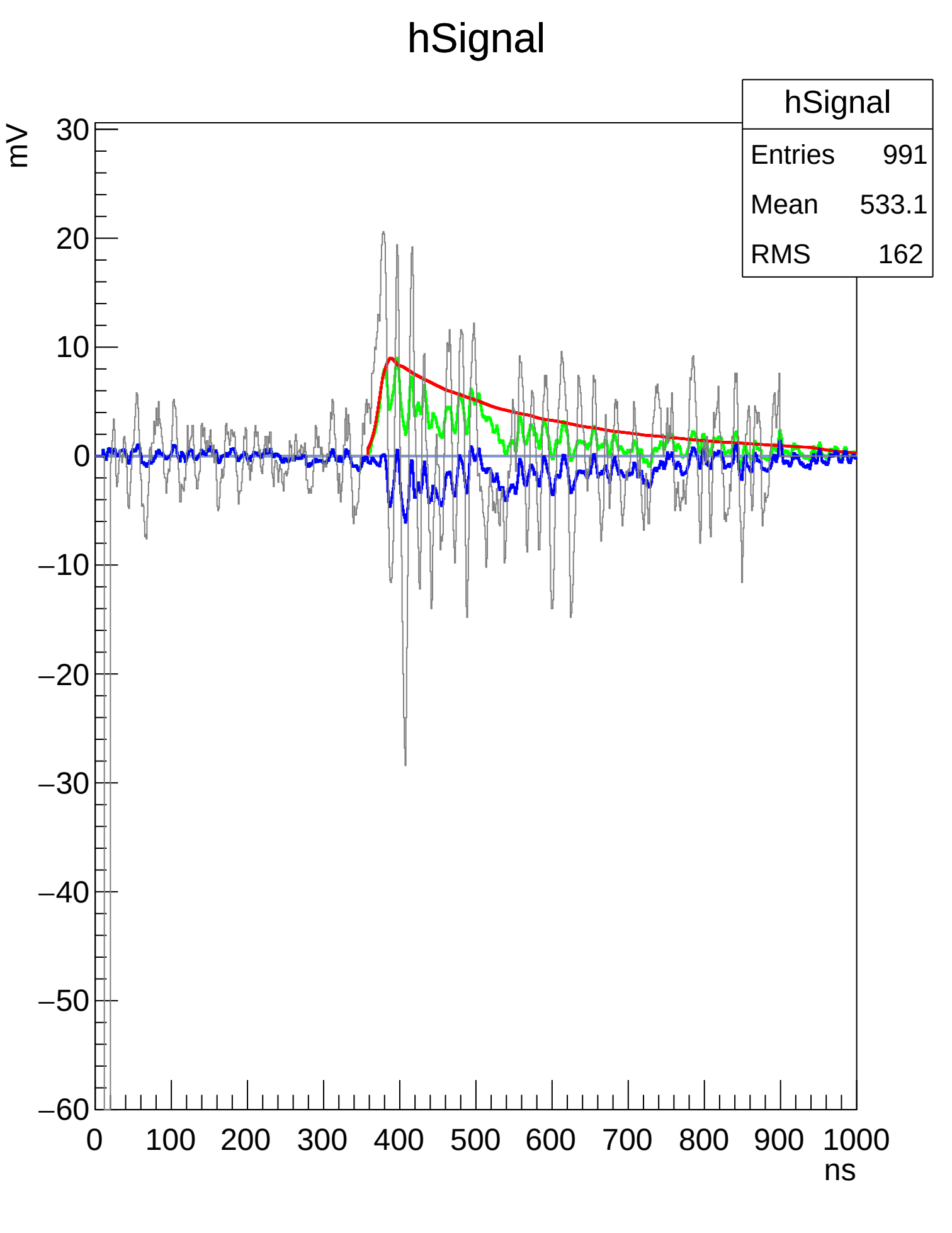
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.1
RMS 162
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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600
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800
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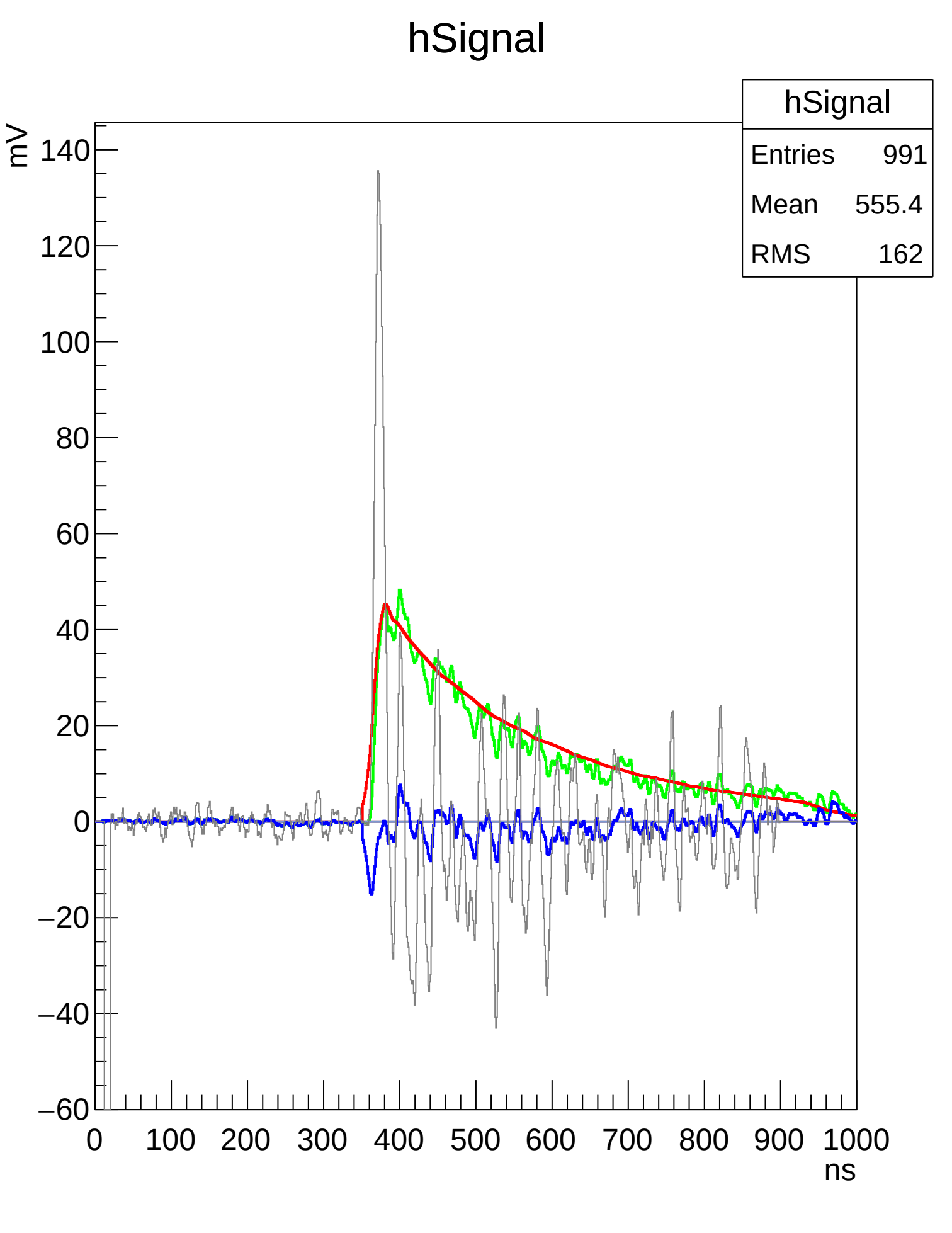
1000
ns


hSignal
hSignal
Entries 991
Mean 555.4
RMS 162
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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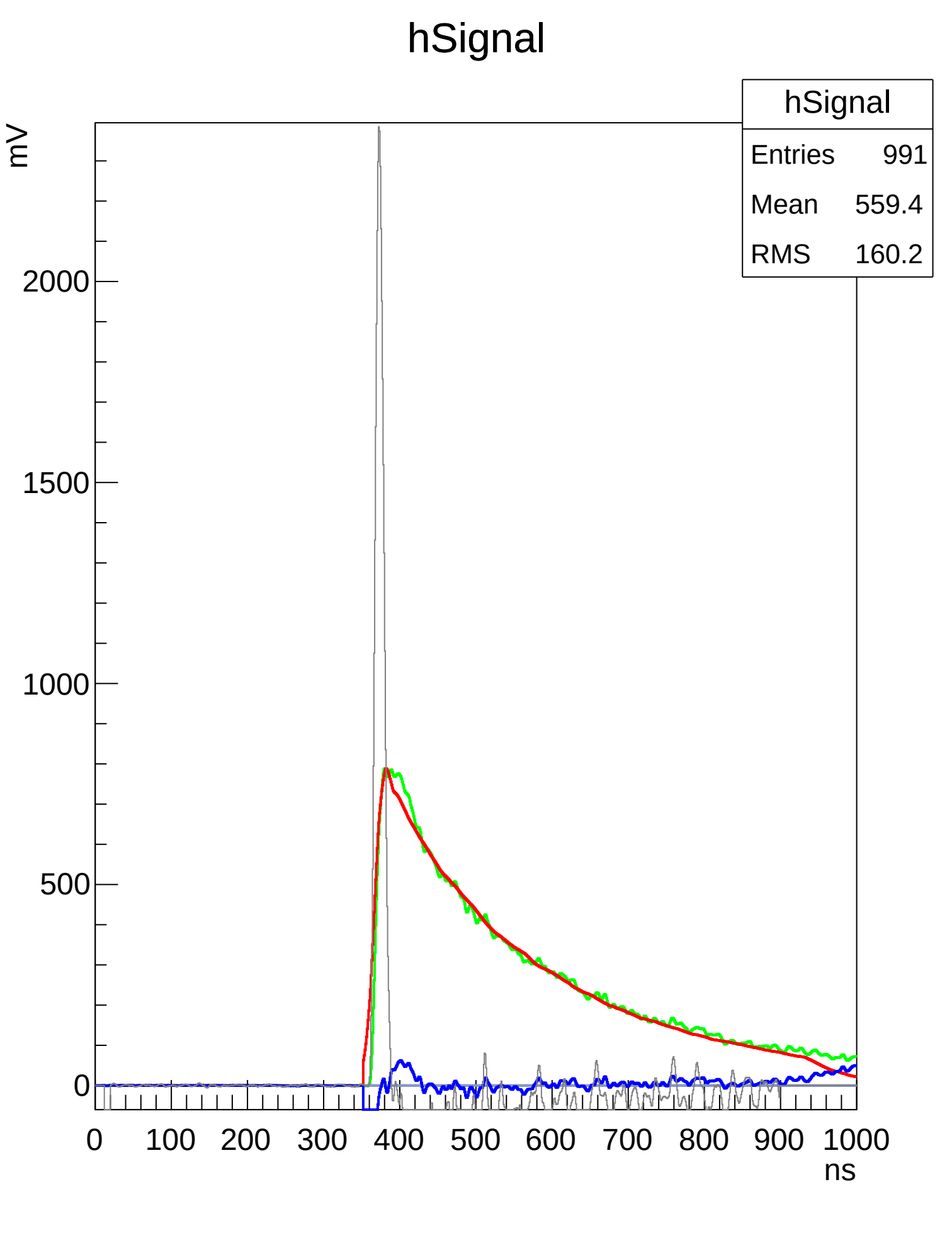
800
900
1000
ns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hSignal
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Mean 559.4
RMS 160.2
mV
2000
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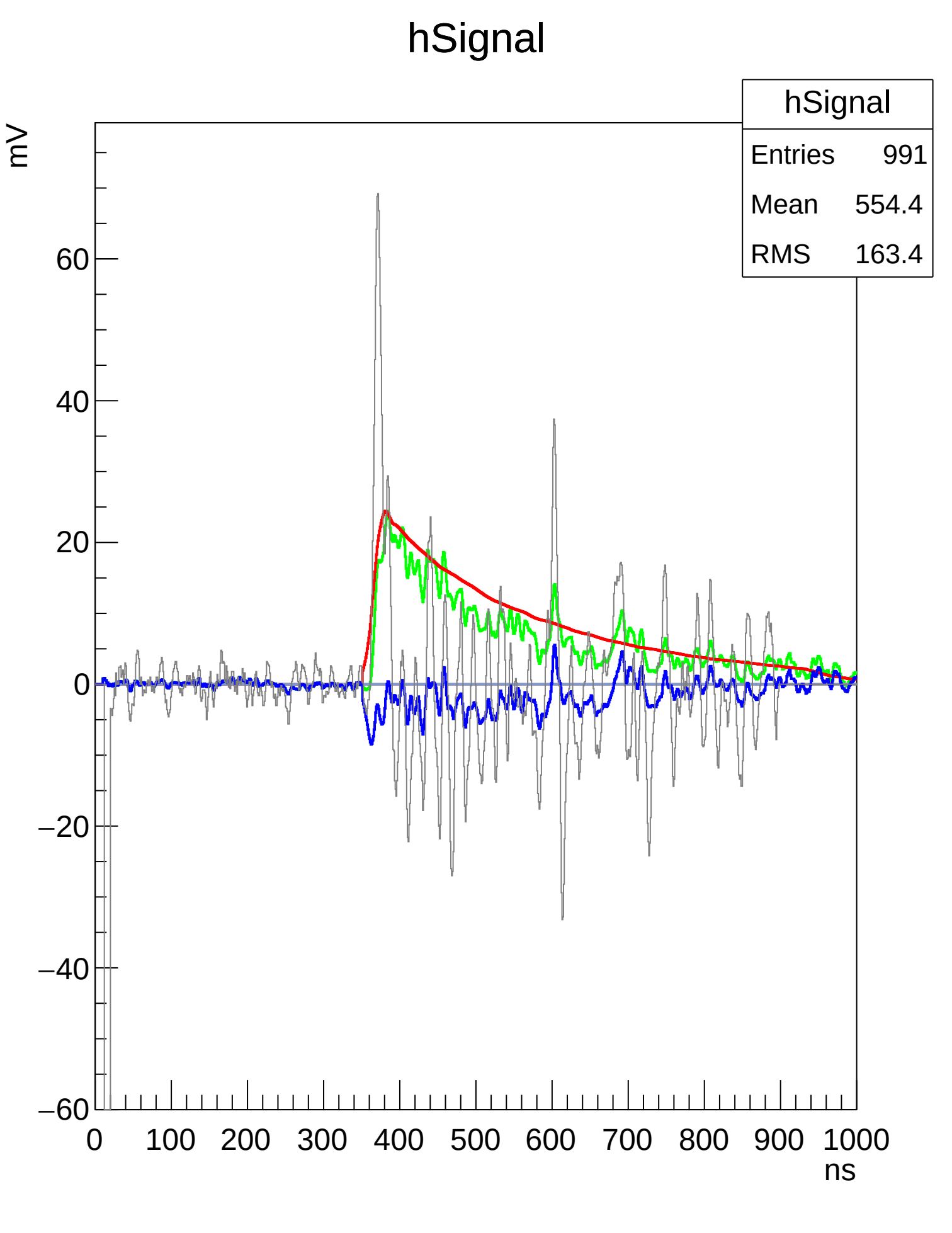
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 554.4
RMS 163.4
mV
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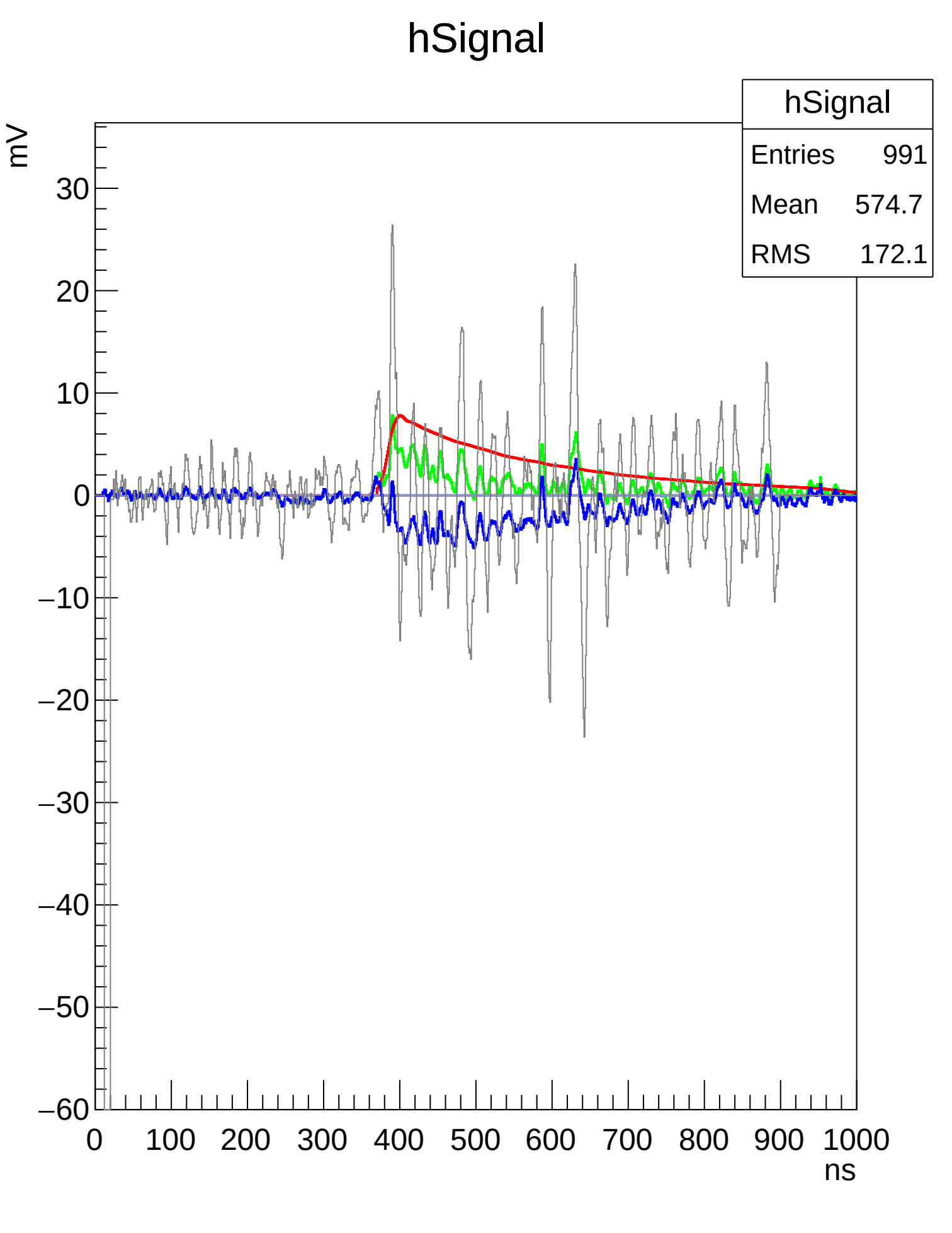
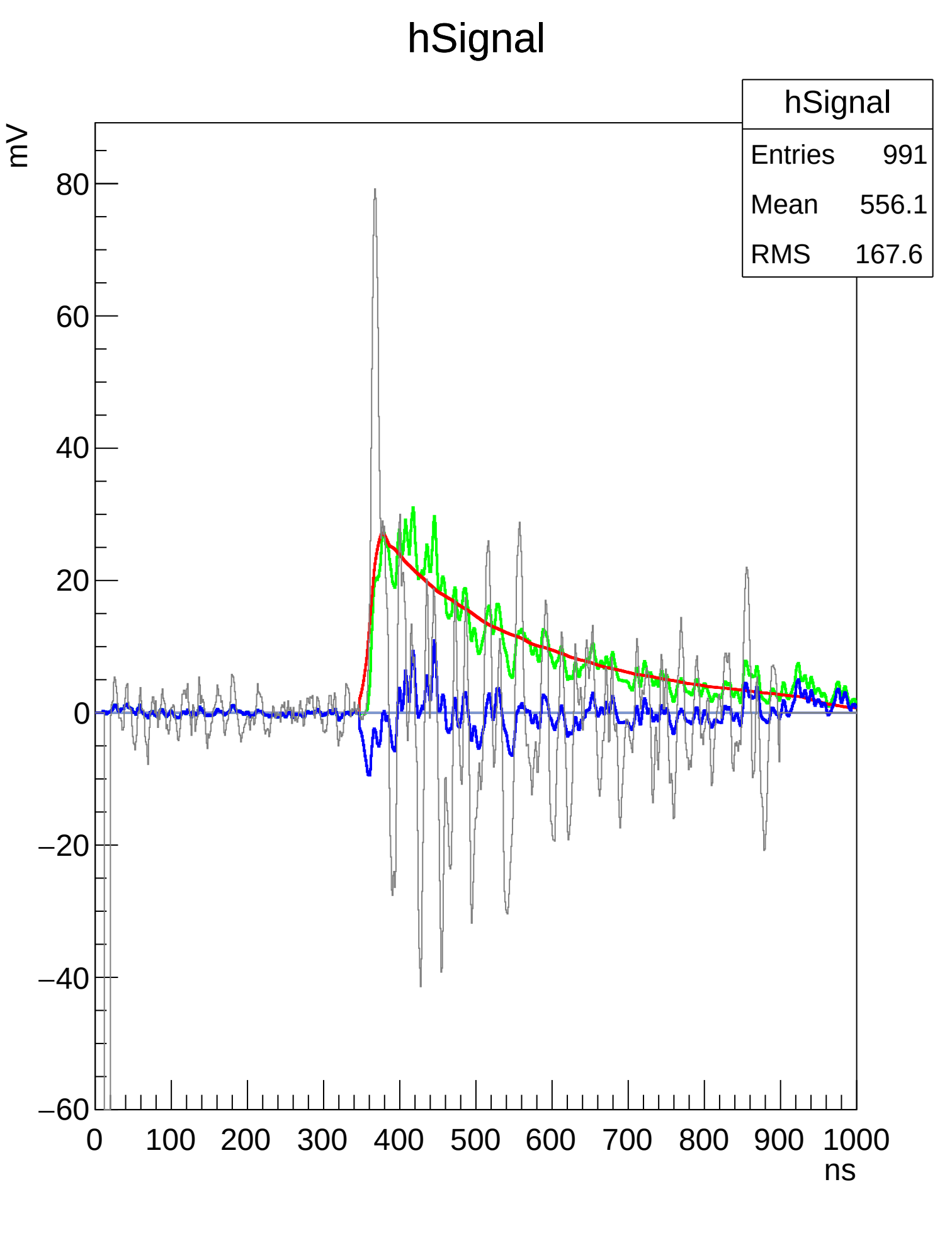
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.7
RMS 172.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.1
RMS 167.6
mV
80
60
40
20
0
−20
−40
−60
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600
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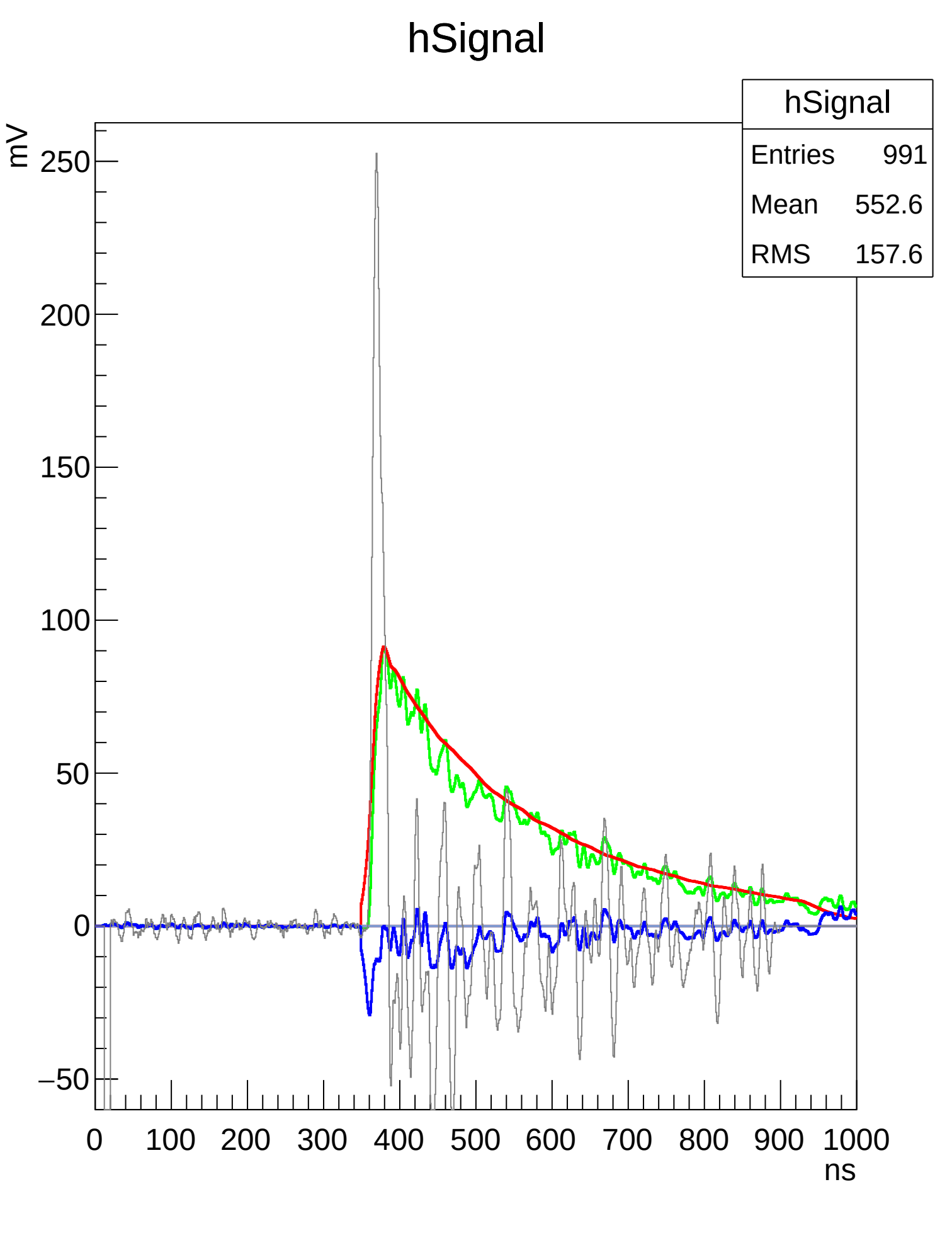
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.6
RMS 157.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
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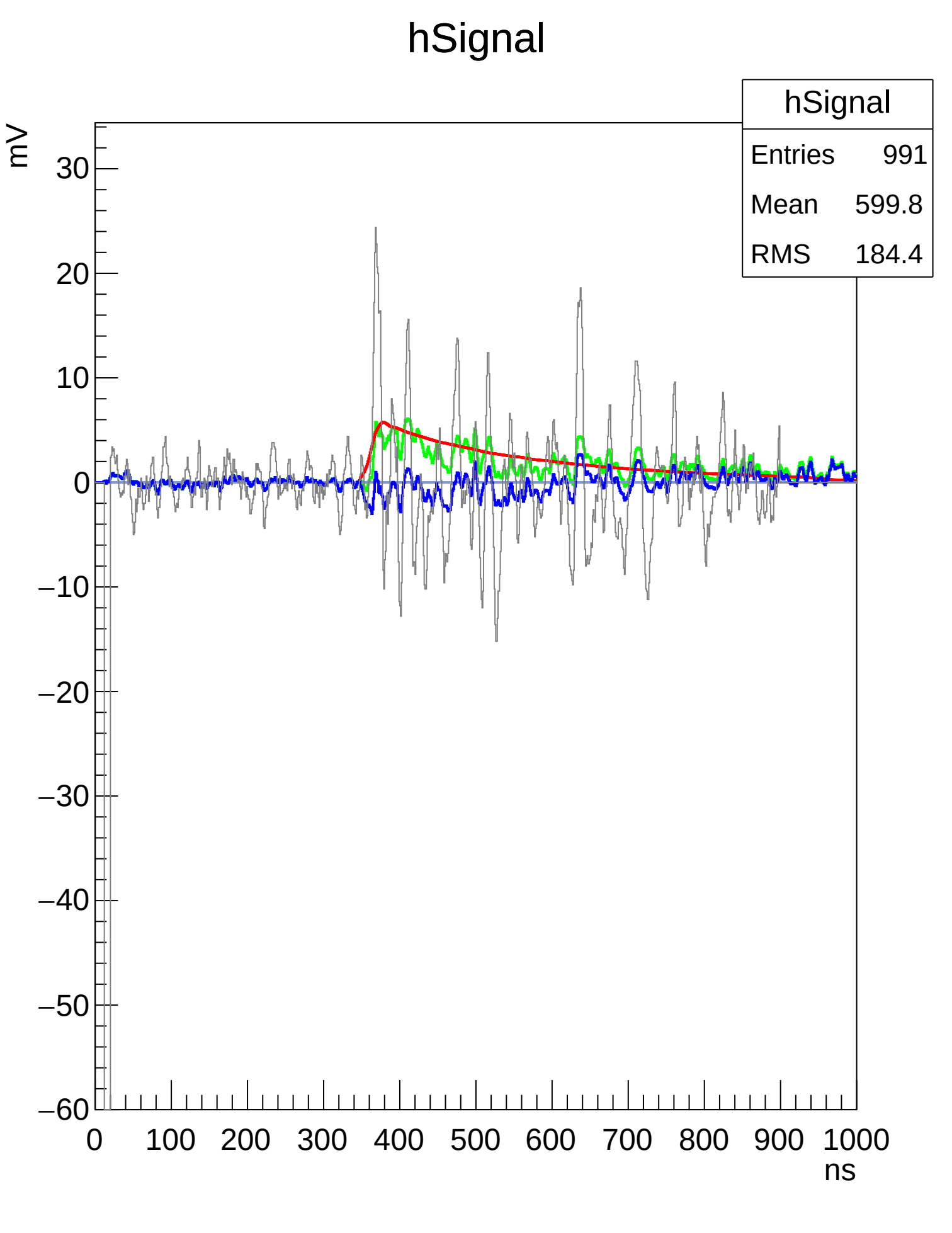
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.8
RMS 184.4
mV
30
20
10
0
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−20
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−40
−50
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0
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200
300
400
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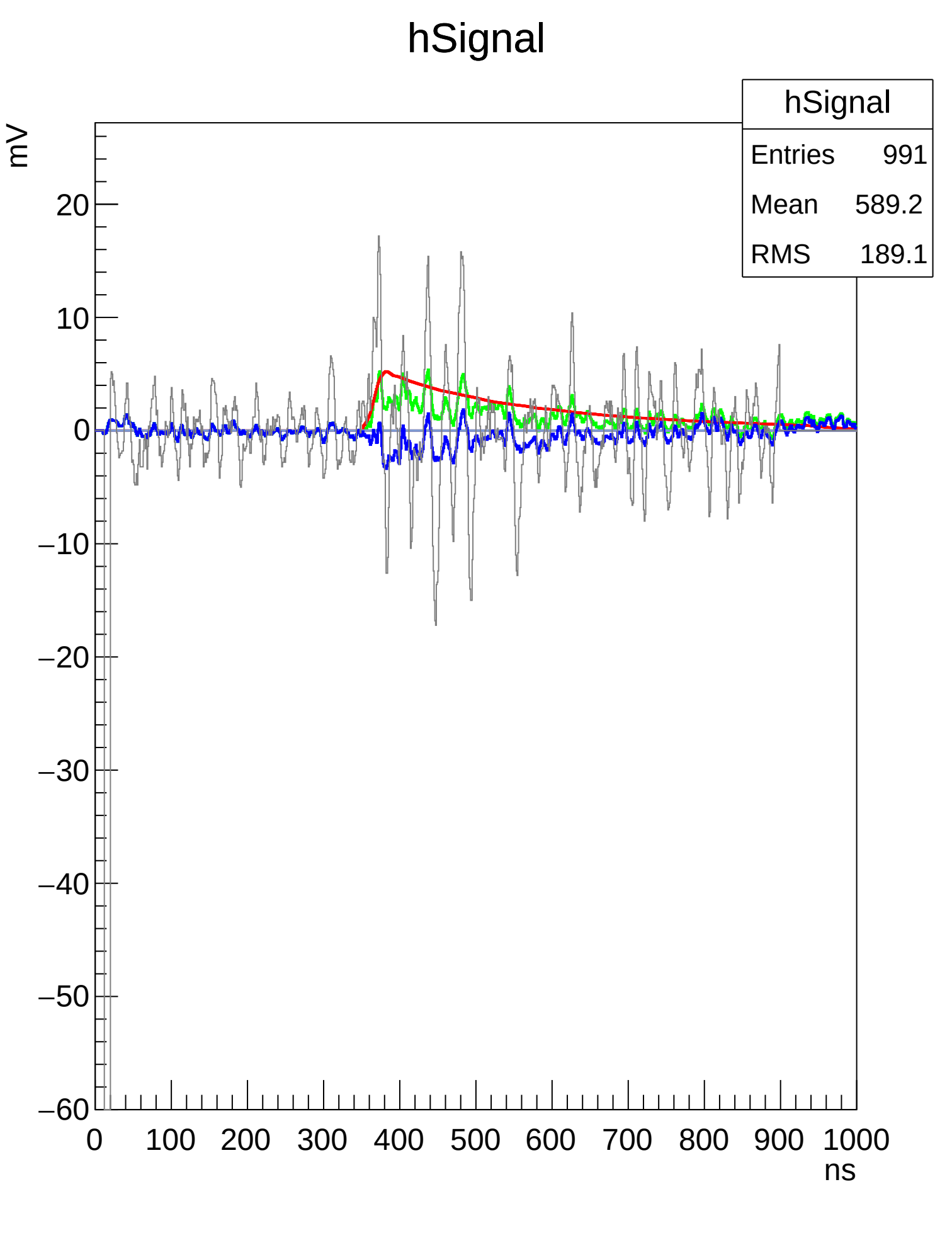
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 189.1
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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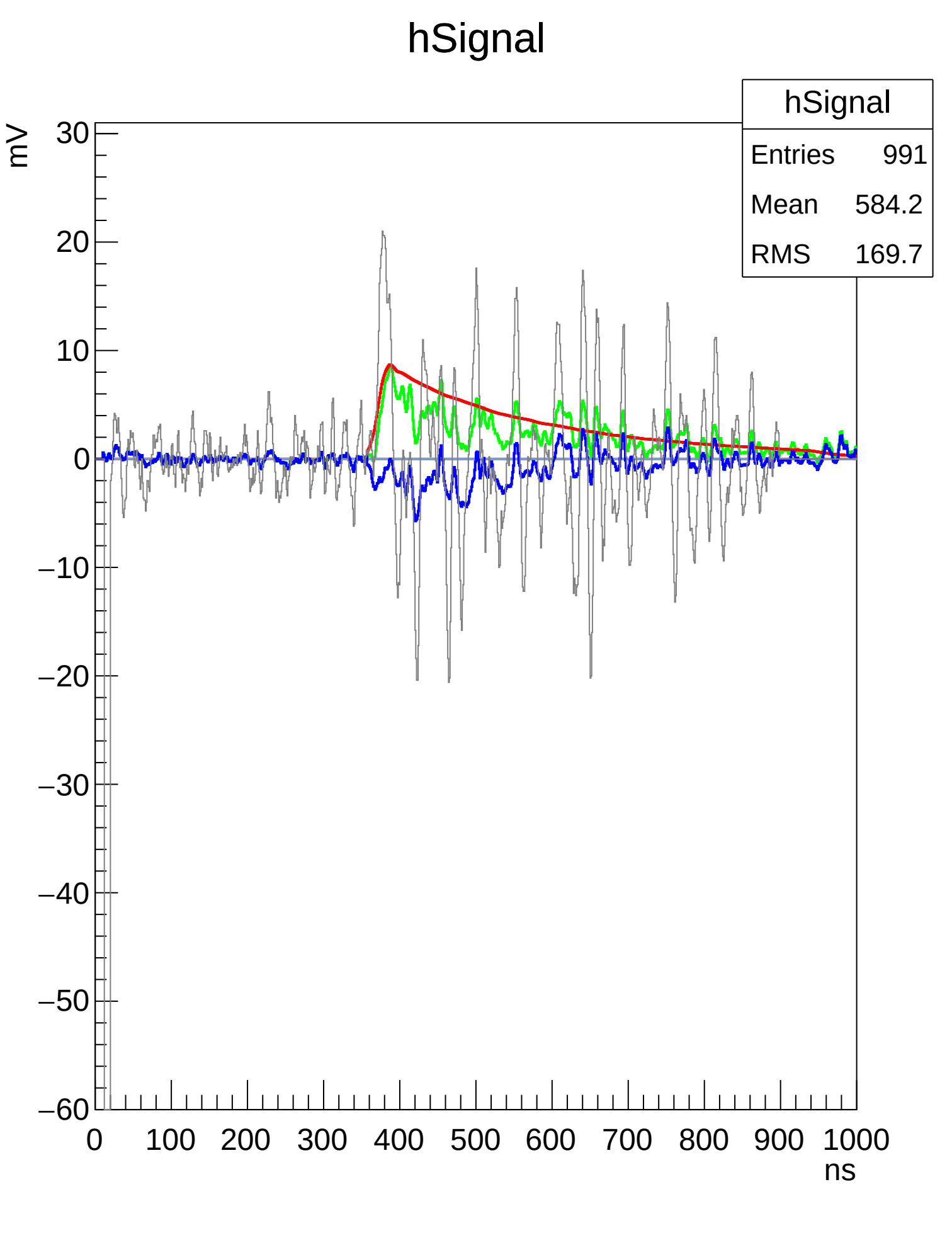
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.2
RMS 169.7
mV
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20
10
0
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−50
−60
0
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800
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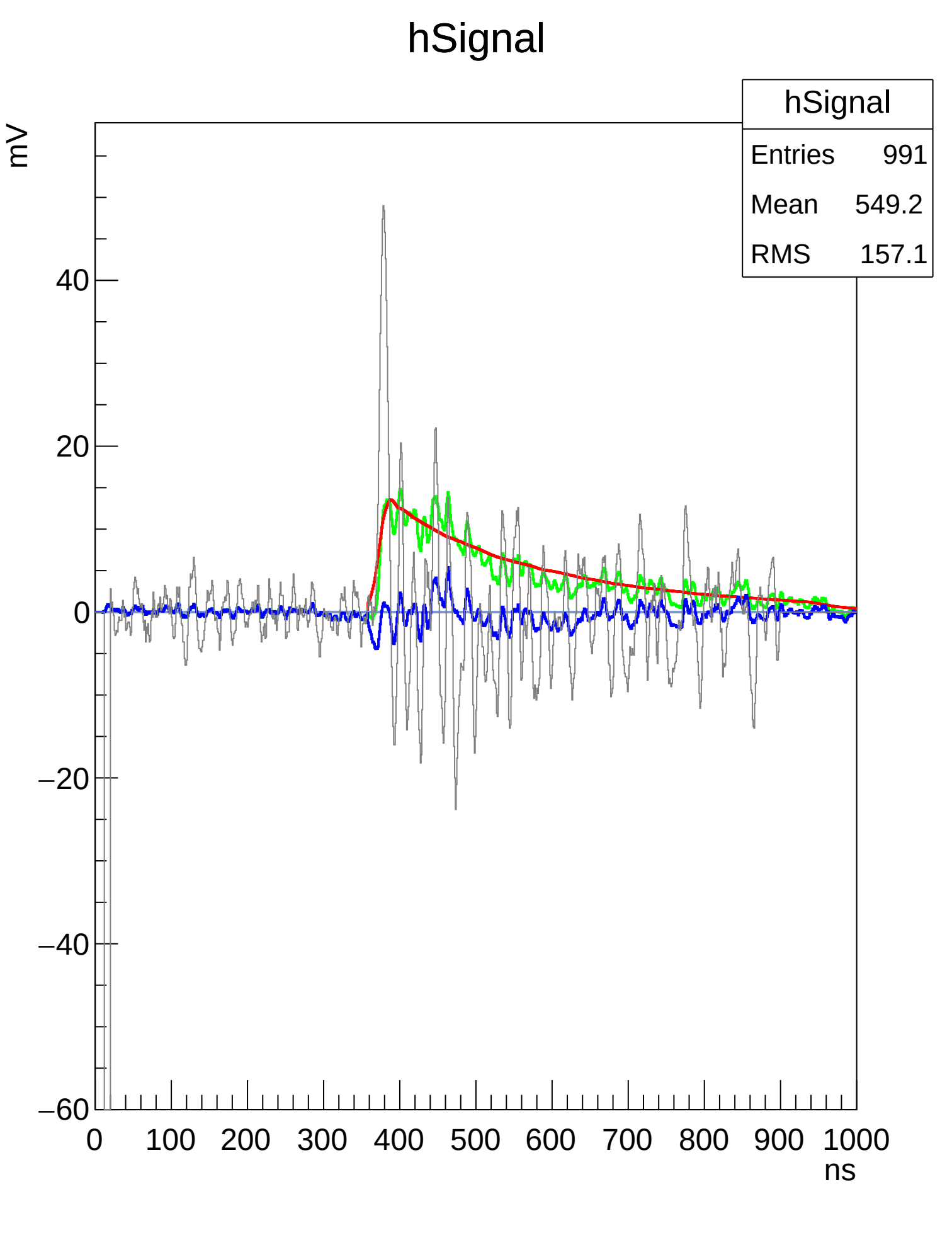
1000
ns


hSignal
hSignal
Entries 991
Mean 549.2
RMS 157.1
mV
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−20
−40
−60
0
100
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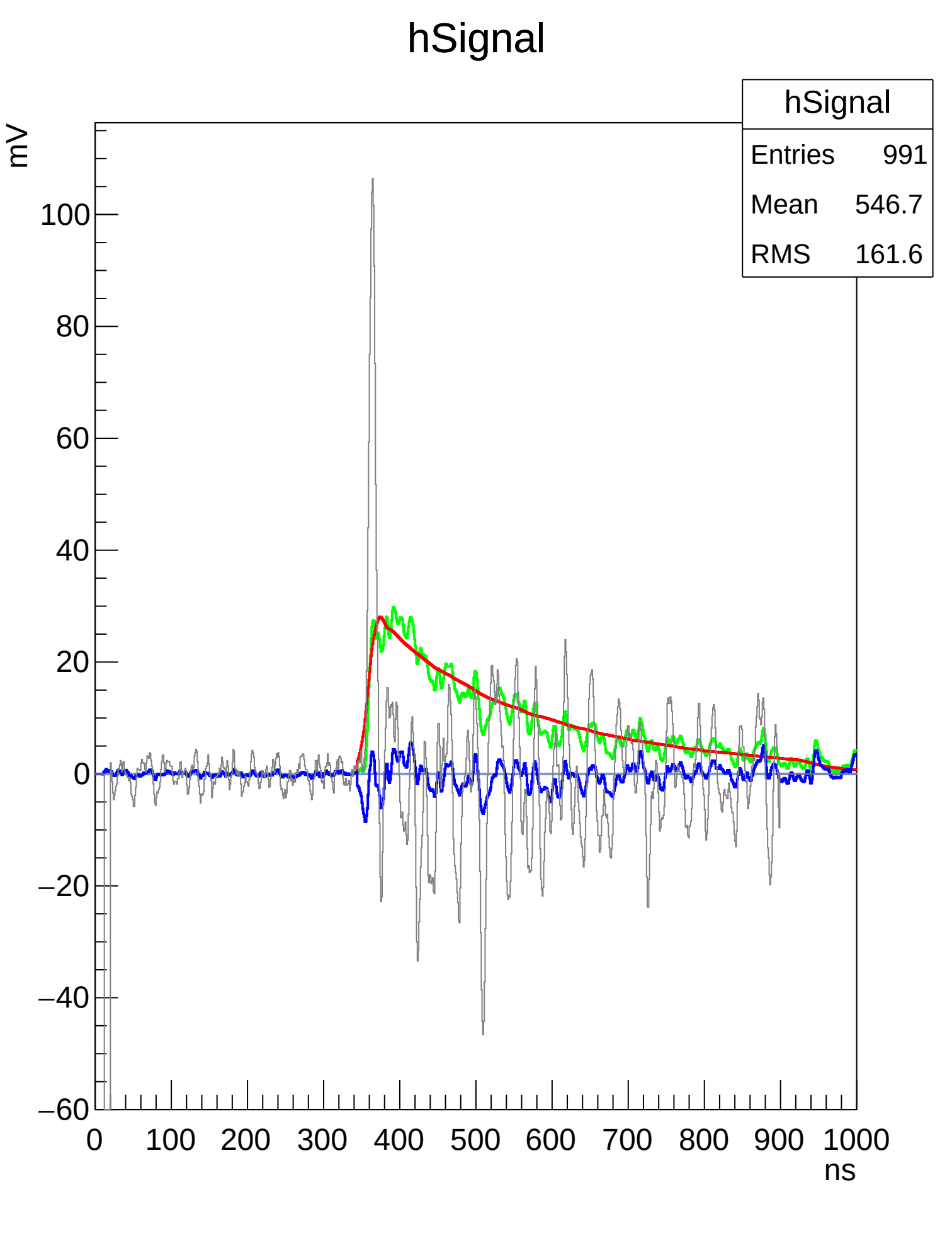
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.7
RMS 161.6
mV
100
80
60
40
20
0
−20
−40
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0
100
200
300
400
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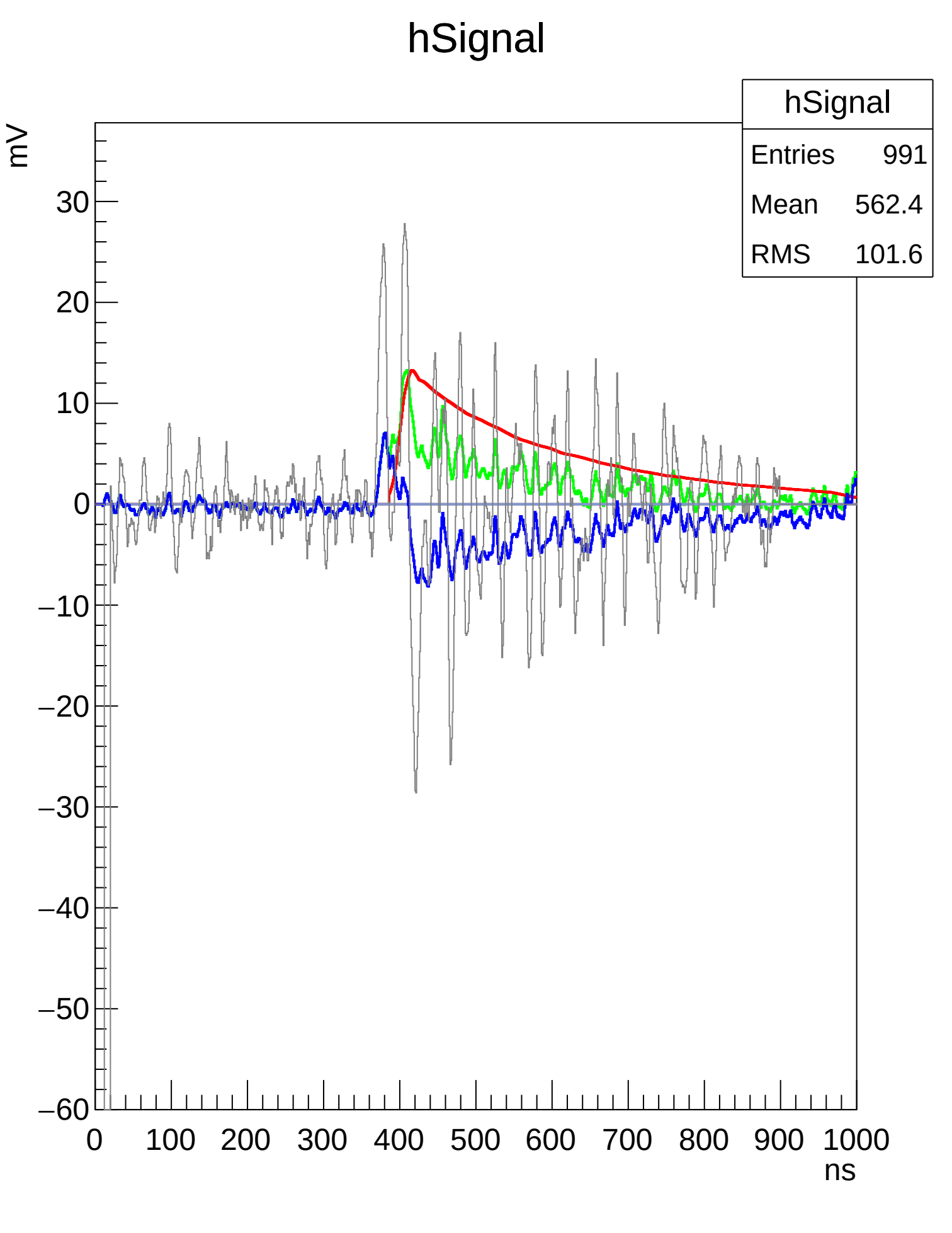
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.4
RMS 101.6
mV
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10
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−50
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0
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400
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1000
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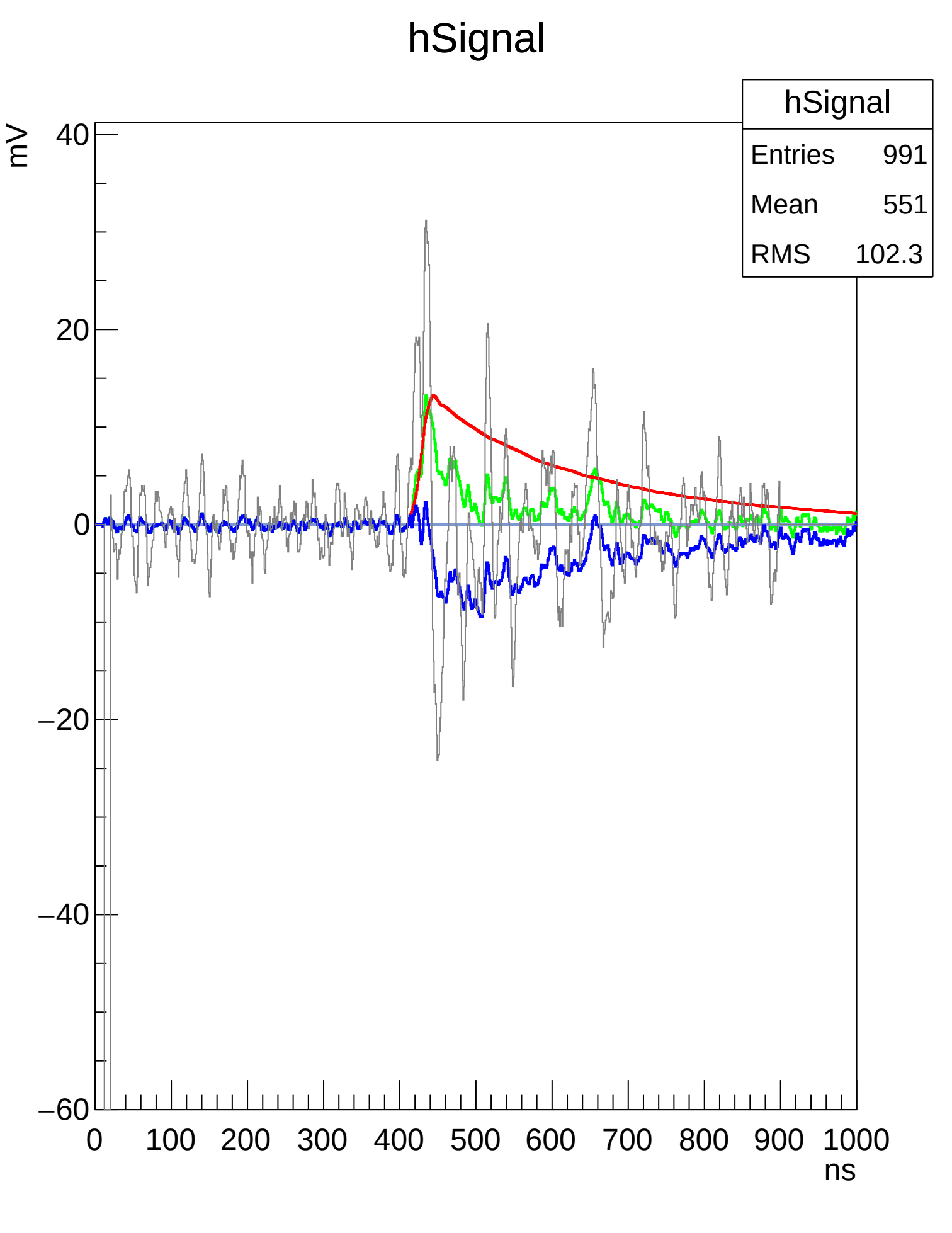
hSignal
hSignal
Entries 991
Mean 551
RMS 102.3
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−20
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800
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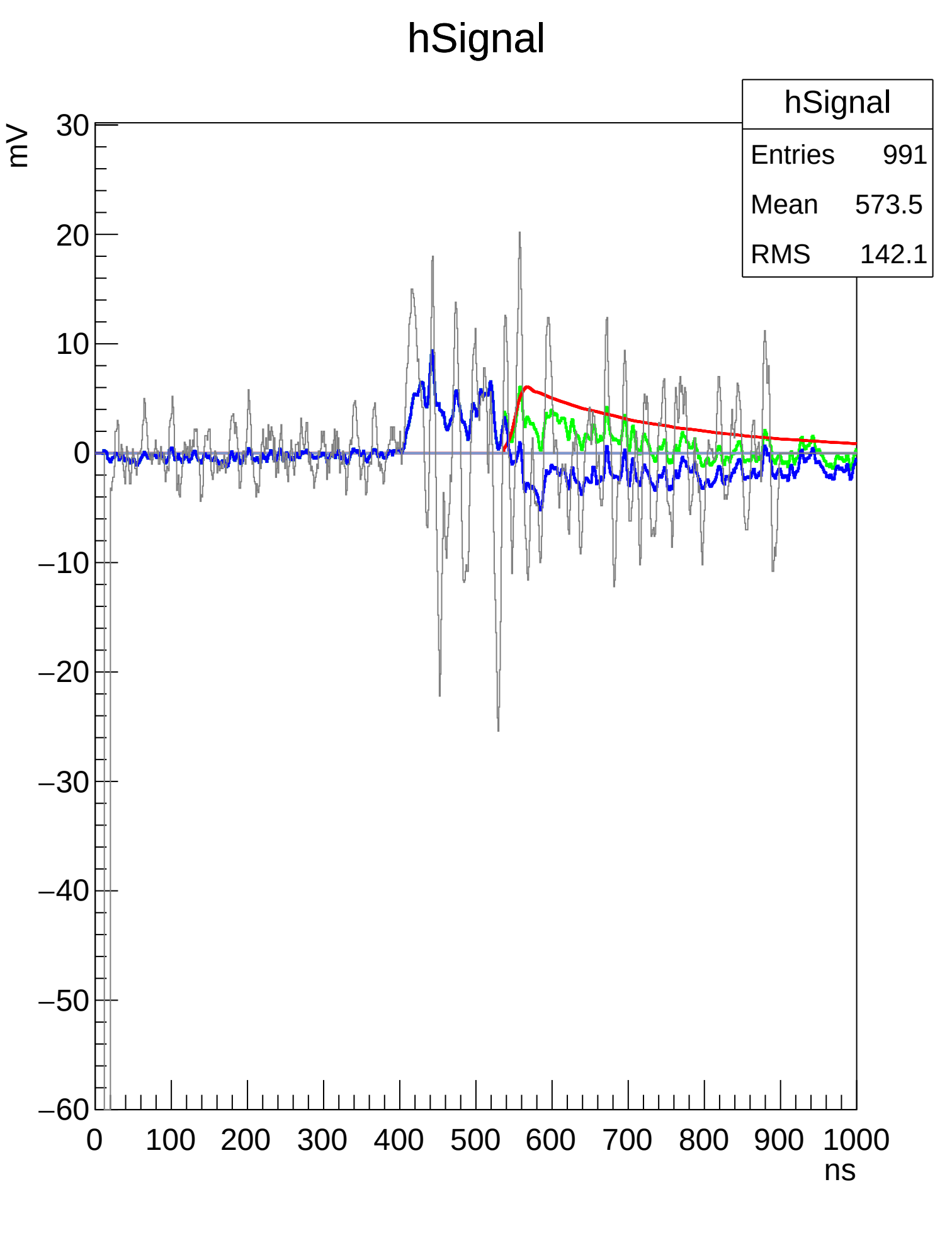
1000
ns


hSignal
hSignal
Entries 991
Mean 573.5
RMS 142.1
mV
30
20
10
0
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−40
−50
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0
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200
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400
500
600
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800
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1000
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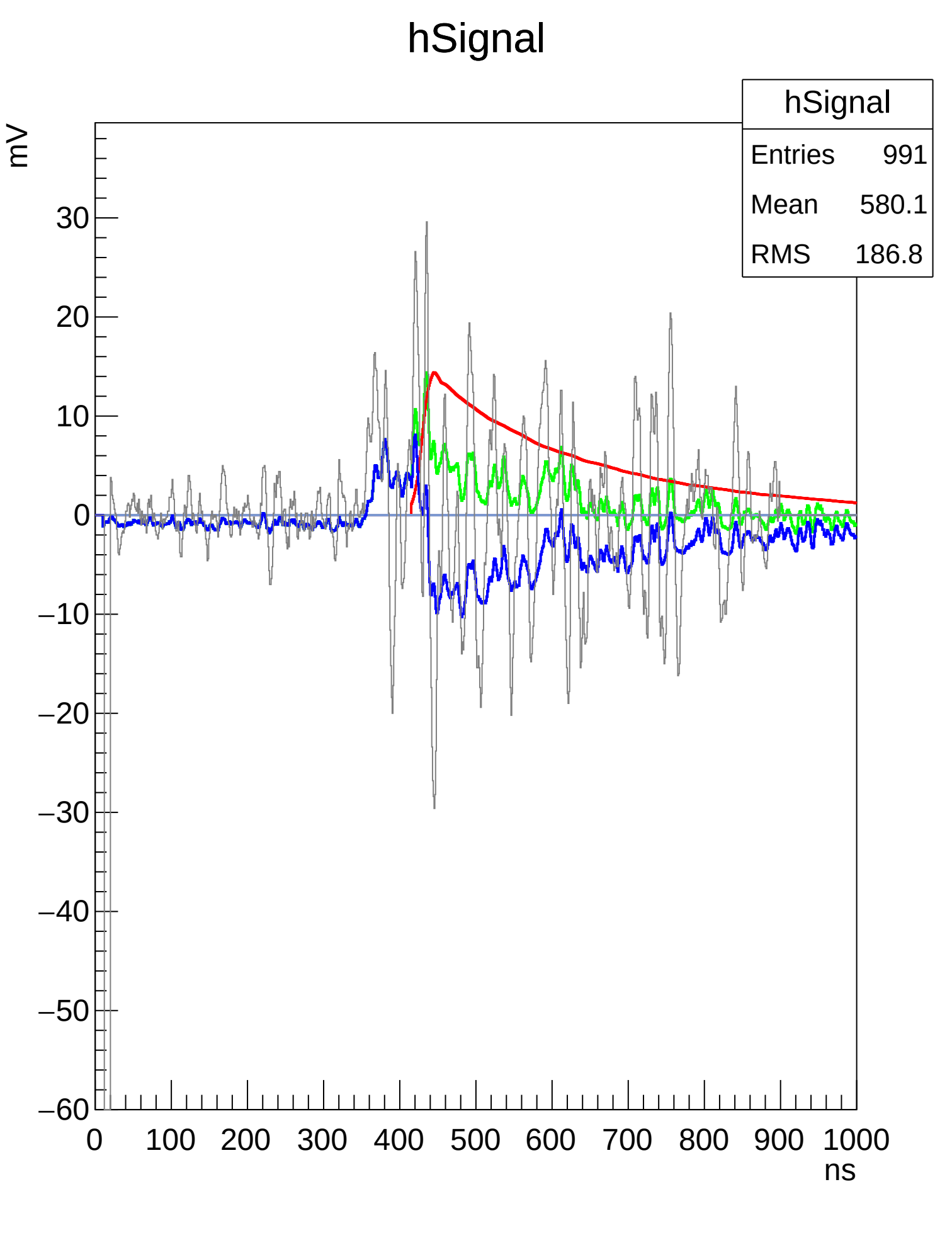
hSignal
hSignal
Entries 991
Mean 580.1
RMS 186.8
mV
30
20
10
0
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0
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400
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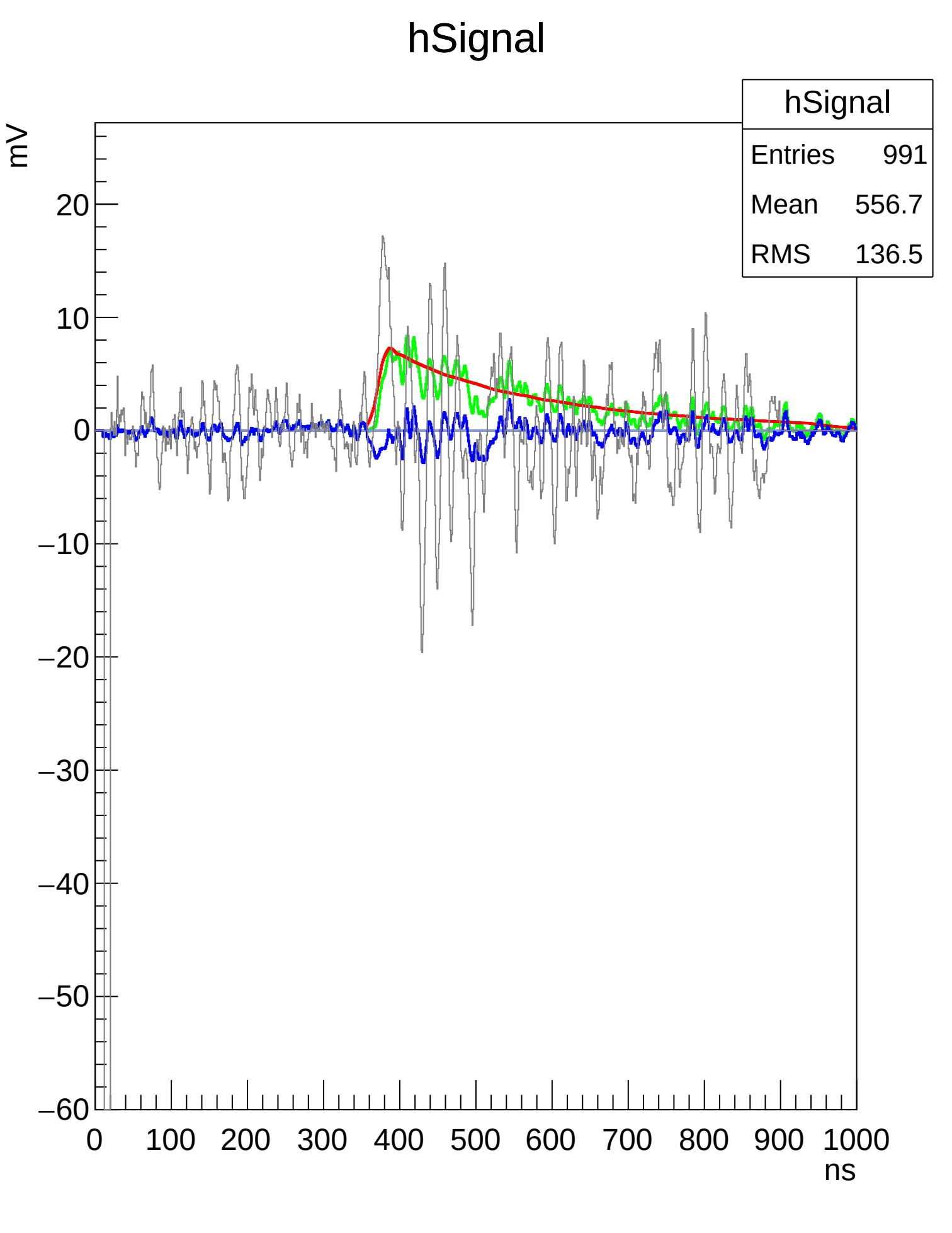
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.7
RMS 136.5
mV
20
10
0
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−40
−50
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0
100
200
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400
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1000
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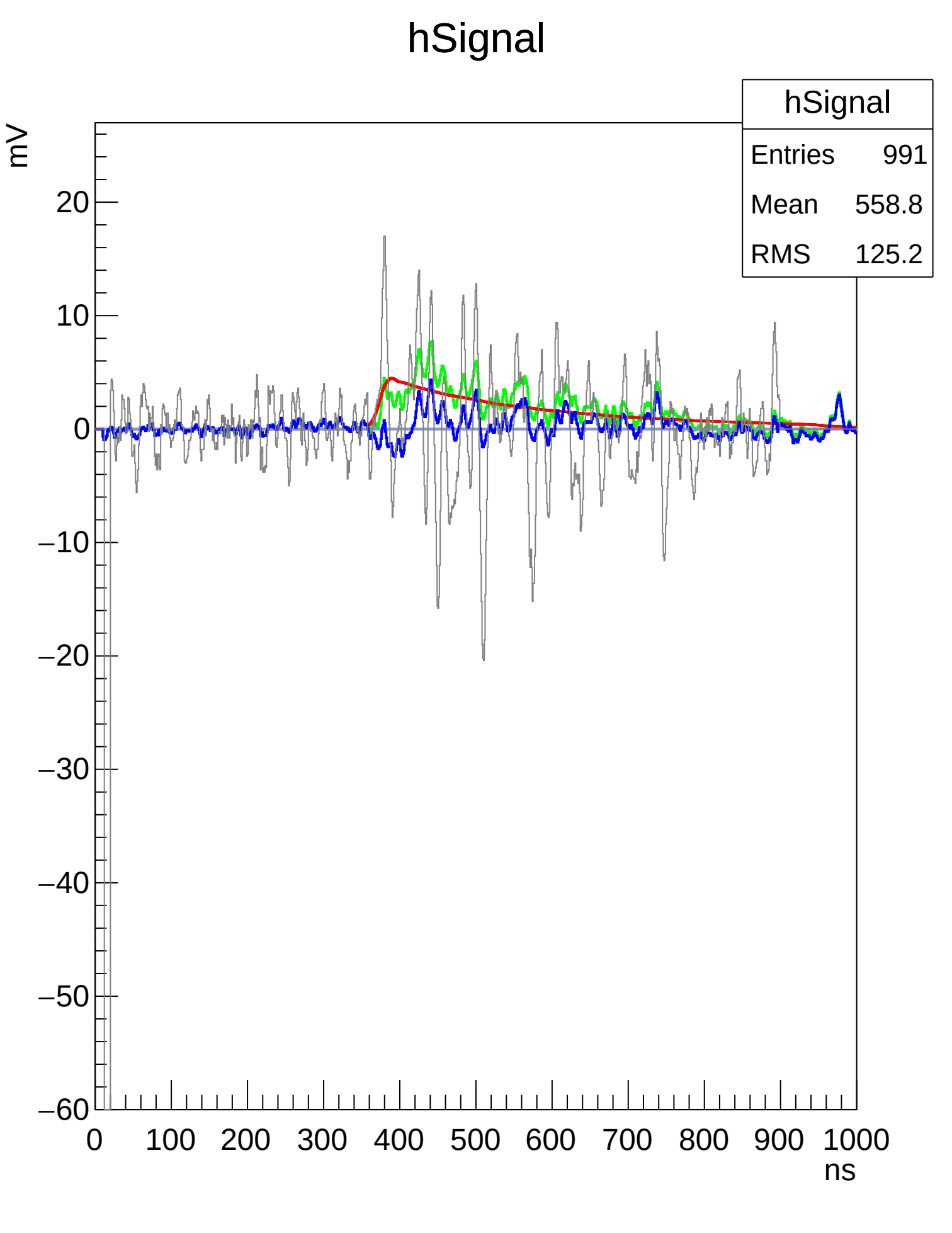
hSignal
hSignal
Entries 991
Mean 558.8
RMS 125.2
mV
20
10
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−40
−50
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1000
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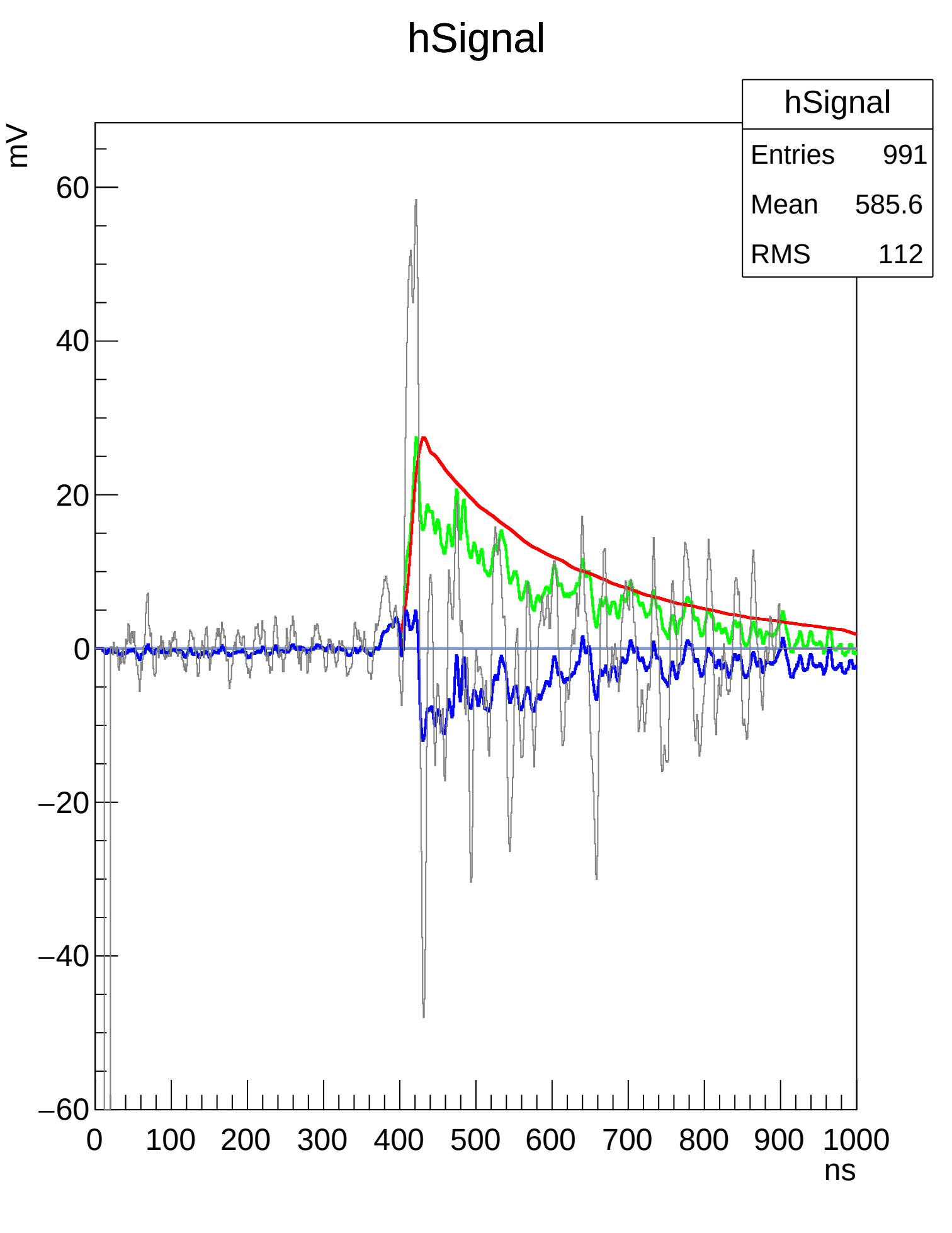
hSignal
hSignal
Entries 991
Mean 585.6
RMS 112
mV
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100
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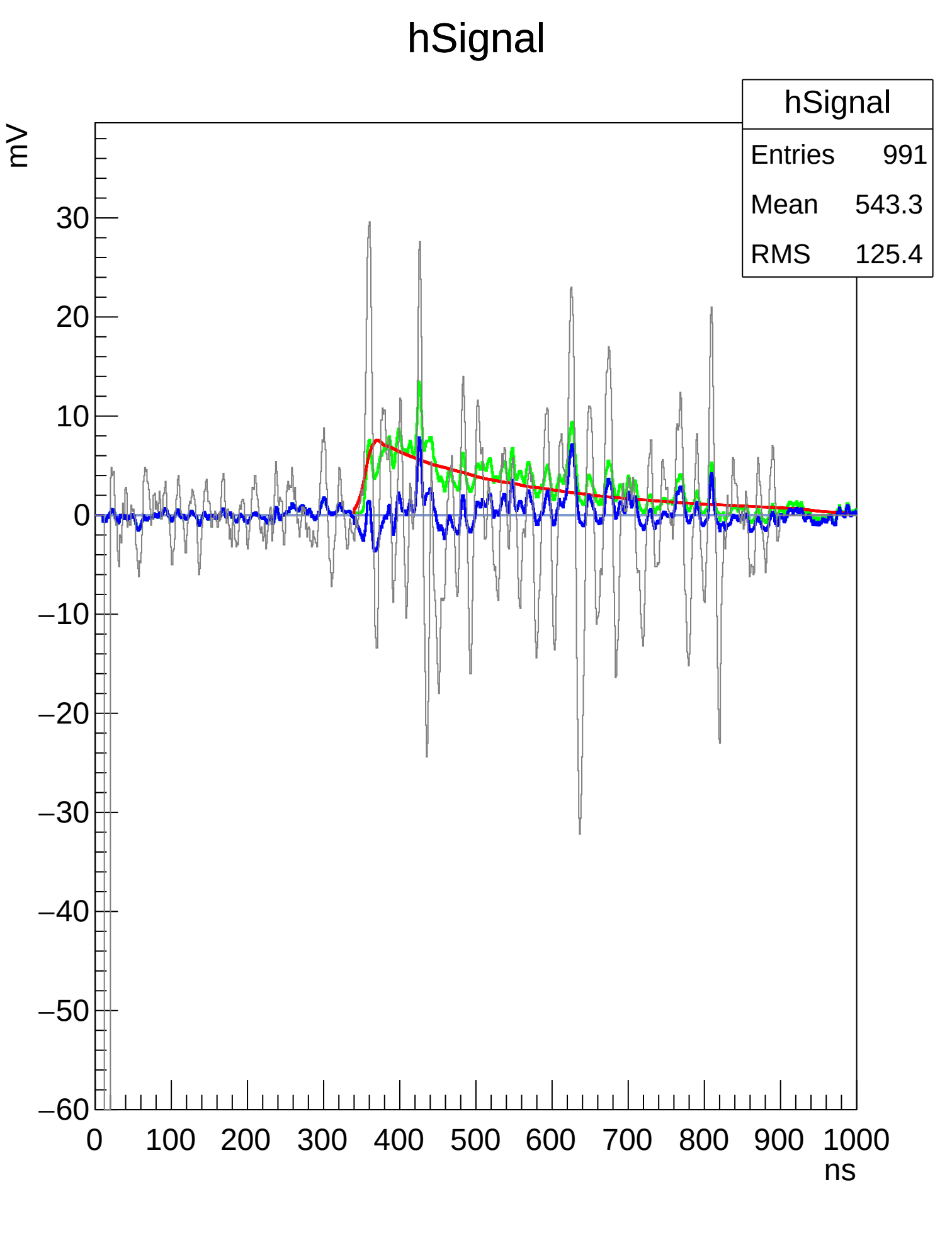
1000
ns


hSignal
hSignal
Entries 991
Mean 543.3
RMS 125.4
mV
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10
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1000
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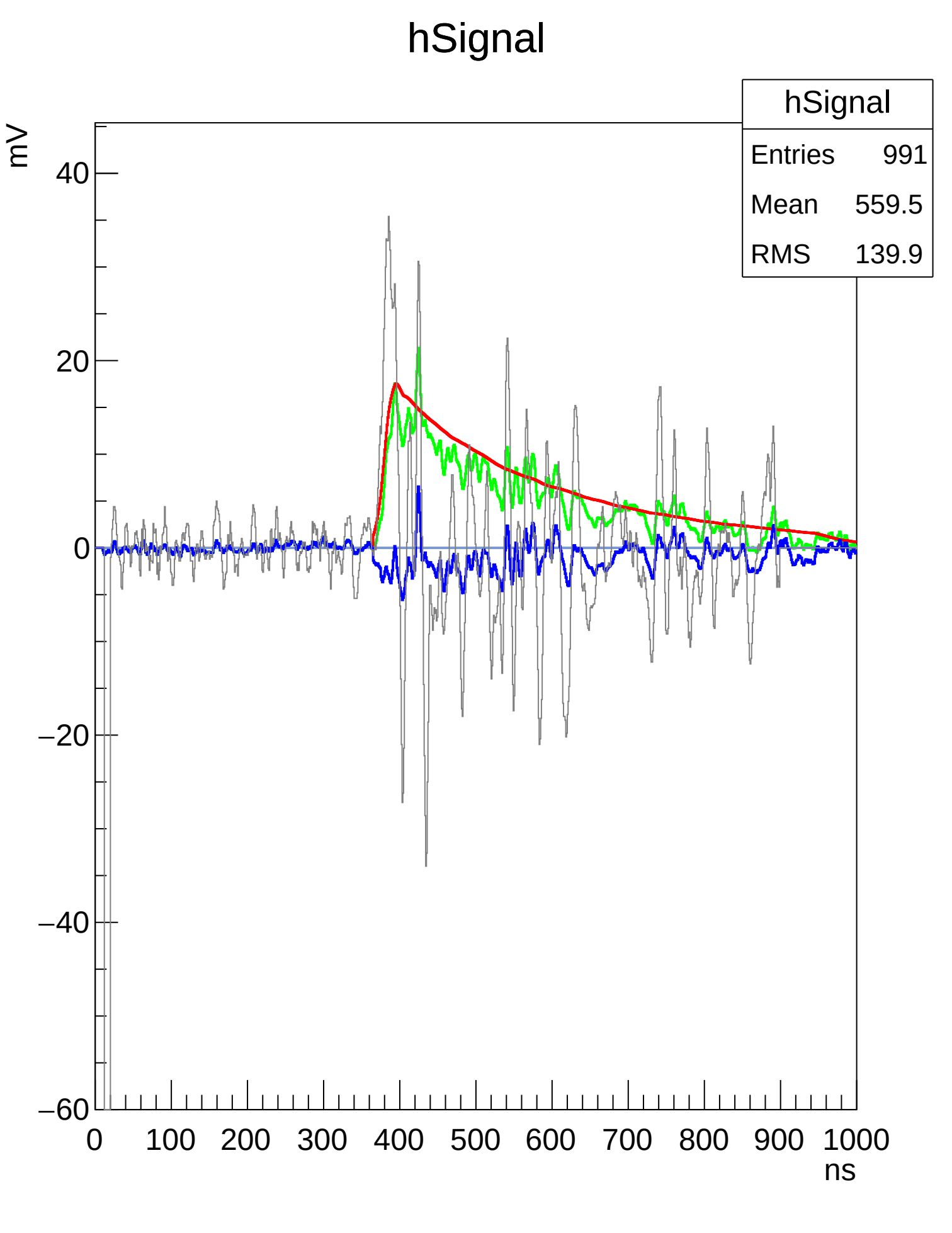
hSignal
hSignal
Entries 991
Mean 559.5
RMS 139.9
mV
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−20
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0
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800
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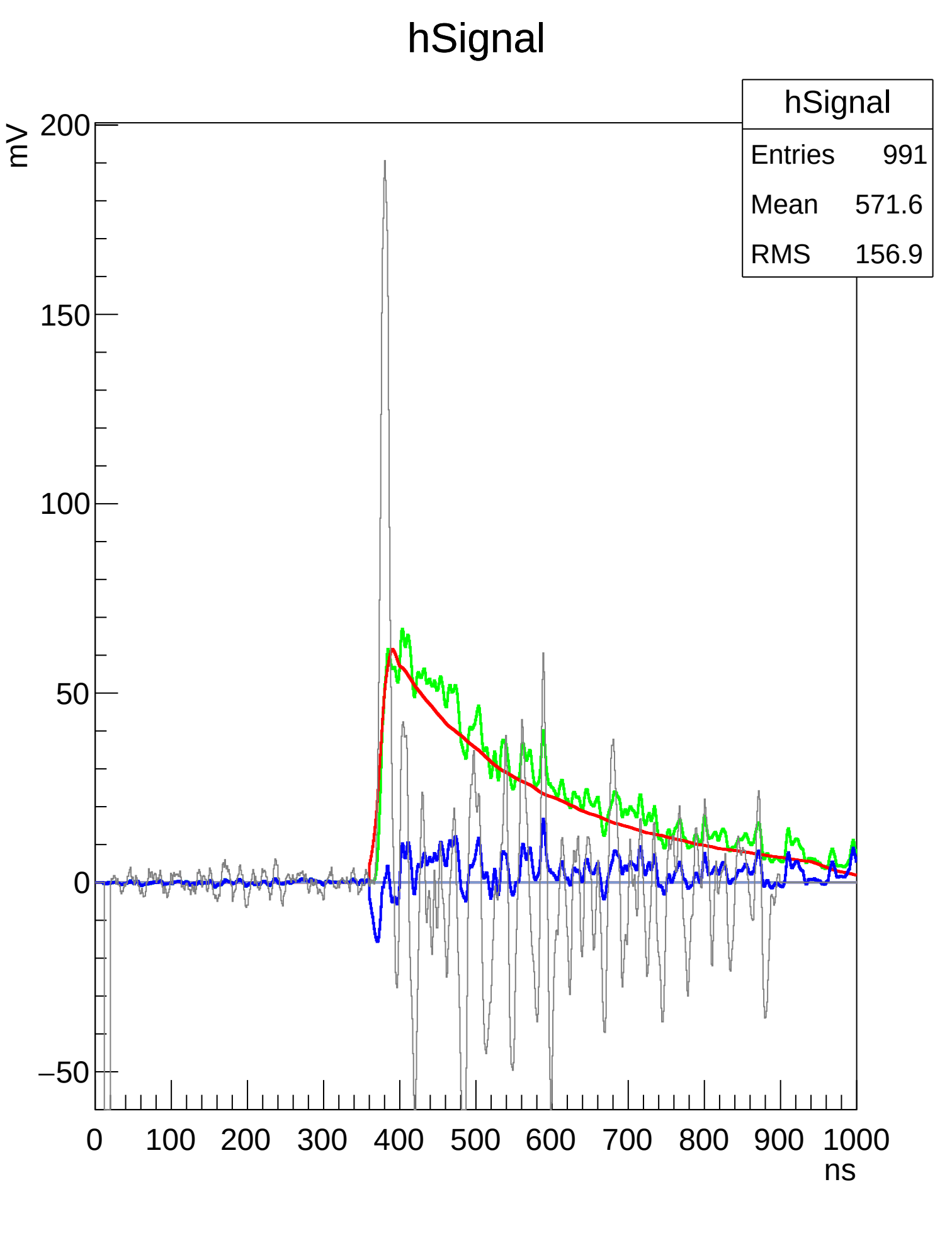
1000
ns


hSignal
hSignal
Entries 991
Mean 571.6
RMS 156.9
mV
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100
50
0
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100
200
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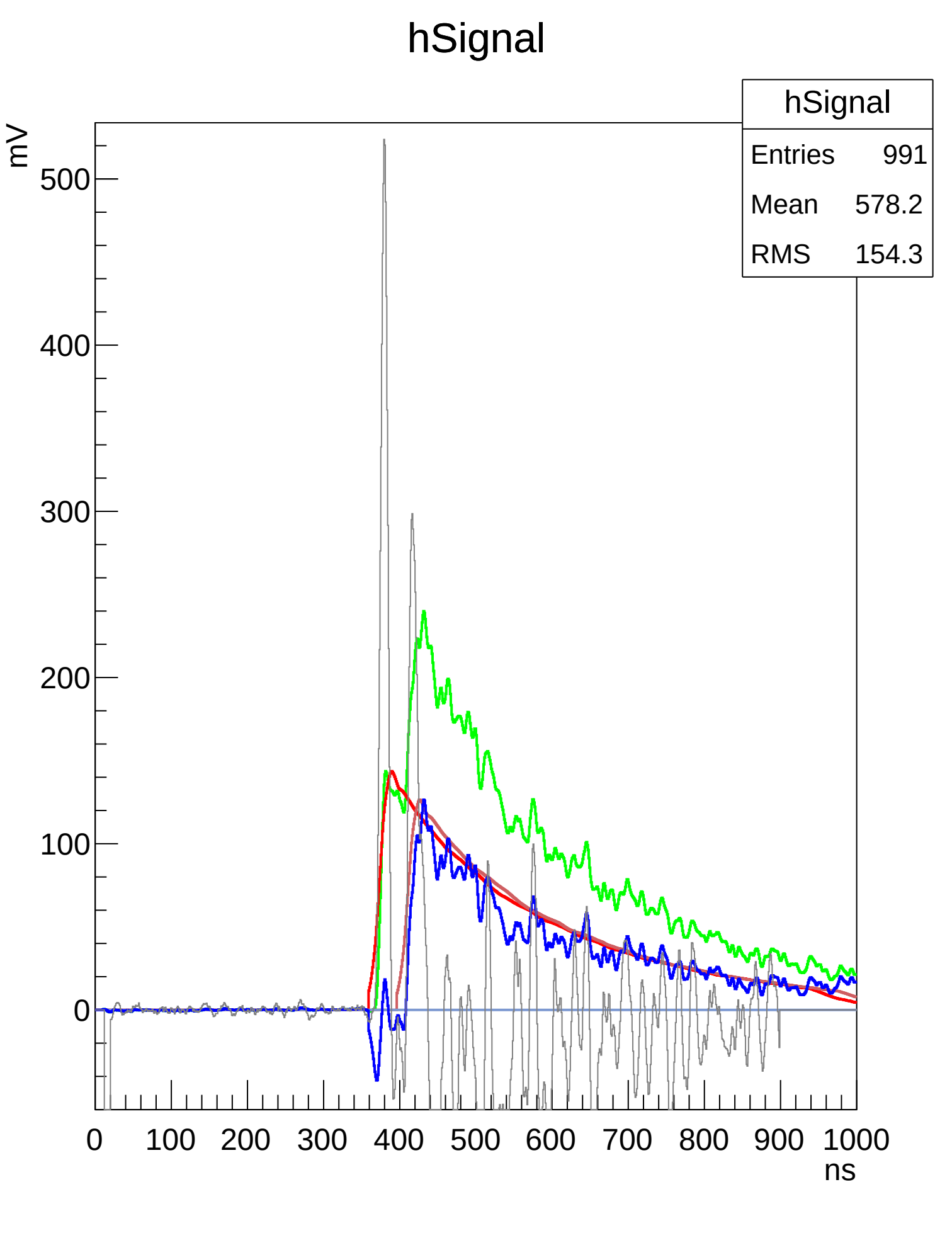
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.2
RMS 154.3
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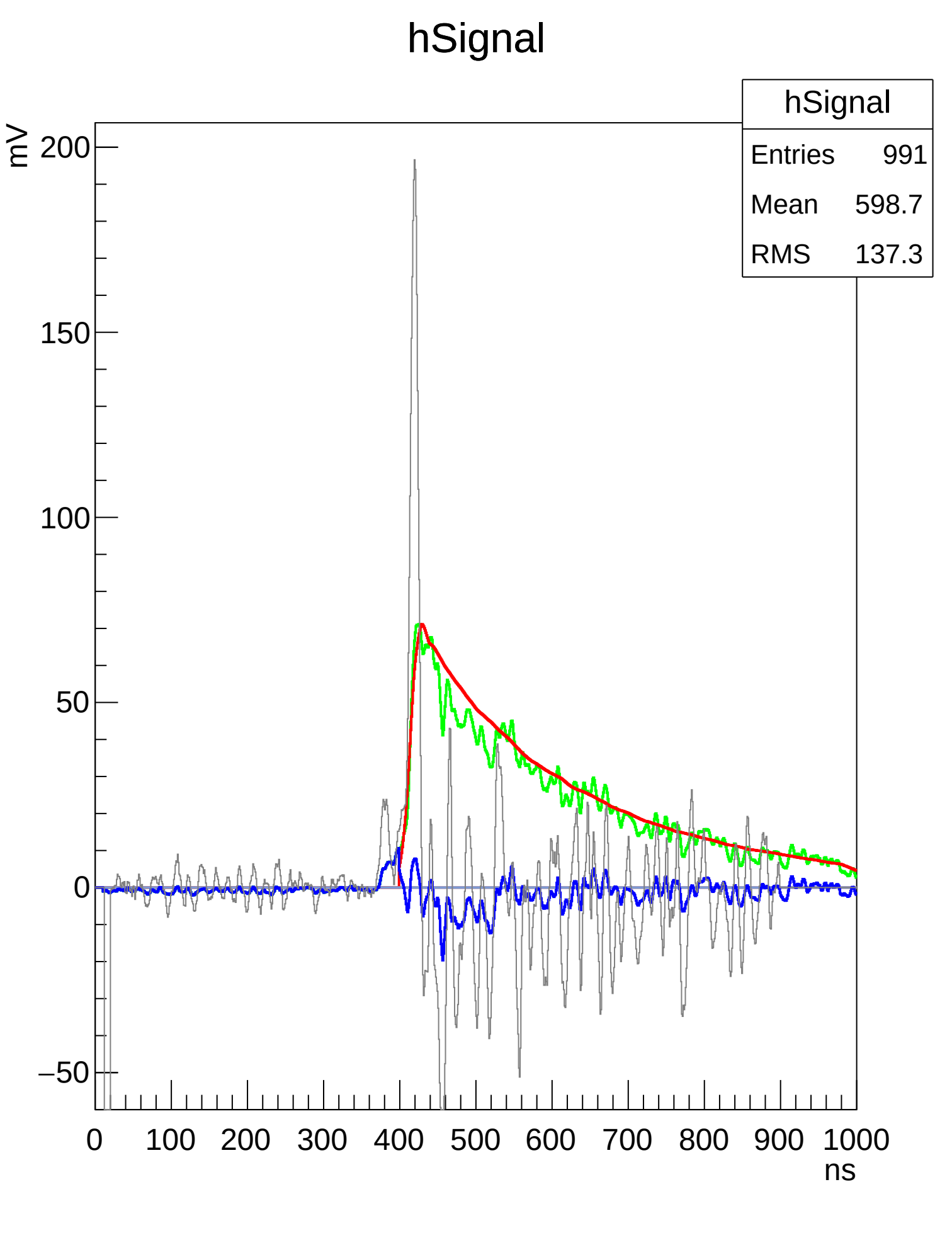
hSignal
hSignal
Entries 991
Mean 598.7
RMS 137.3
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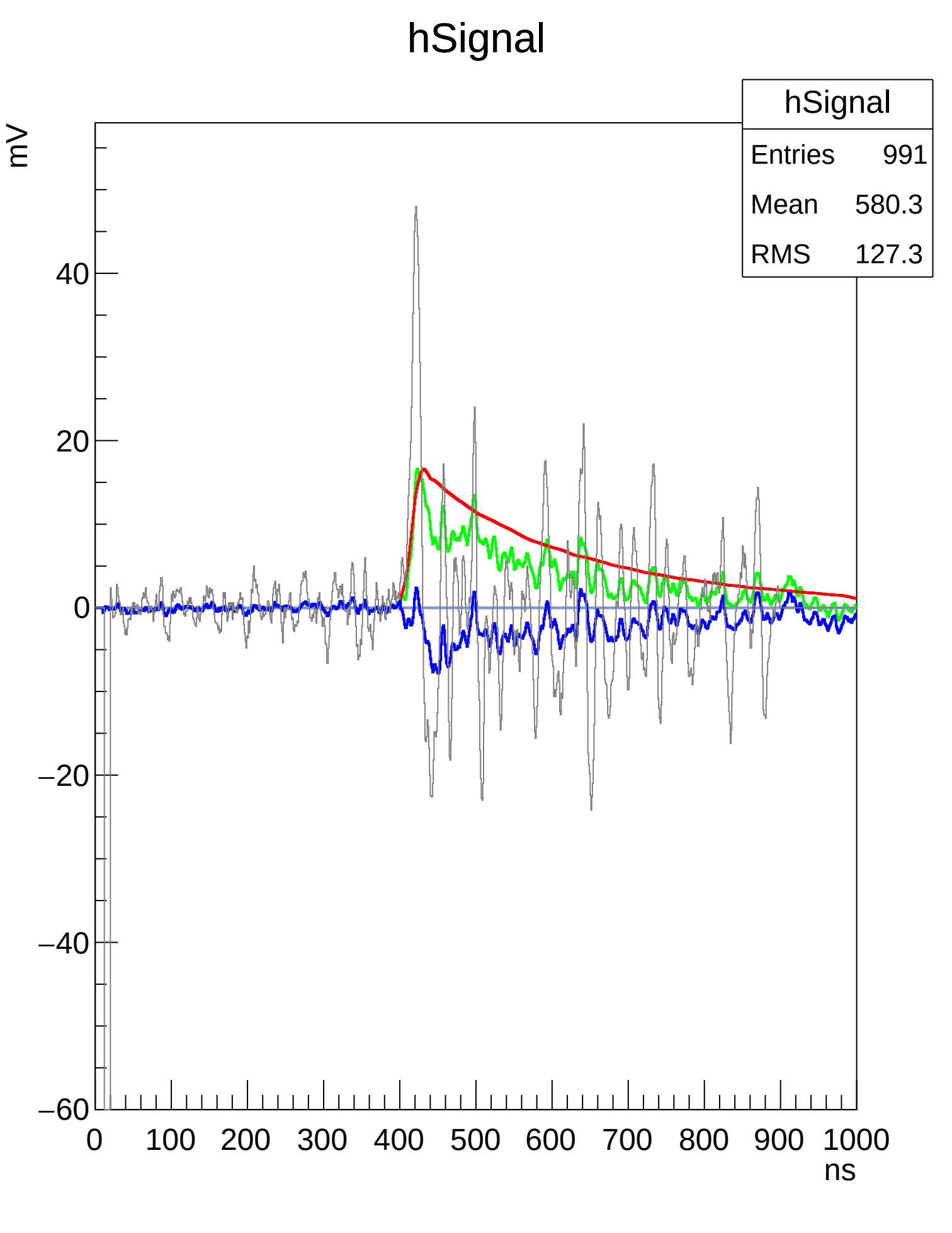
hSignal
hSignal
Entries 991
Mean 580.3
RMS 127.3
mV
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600
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800
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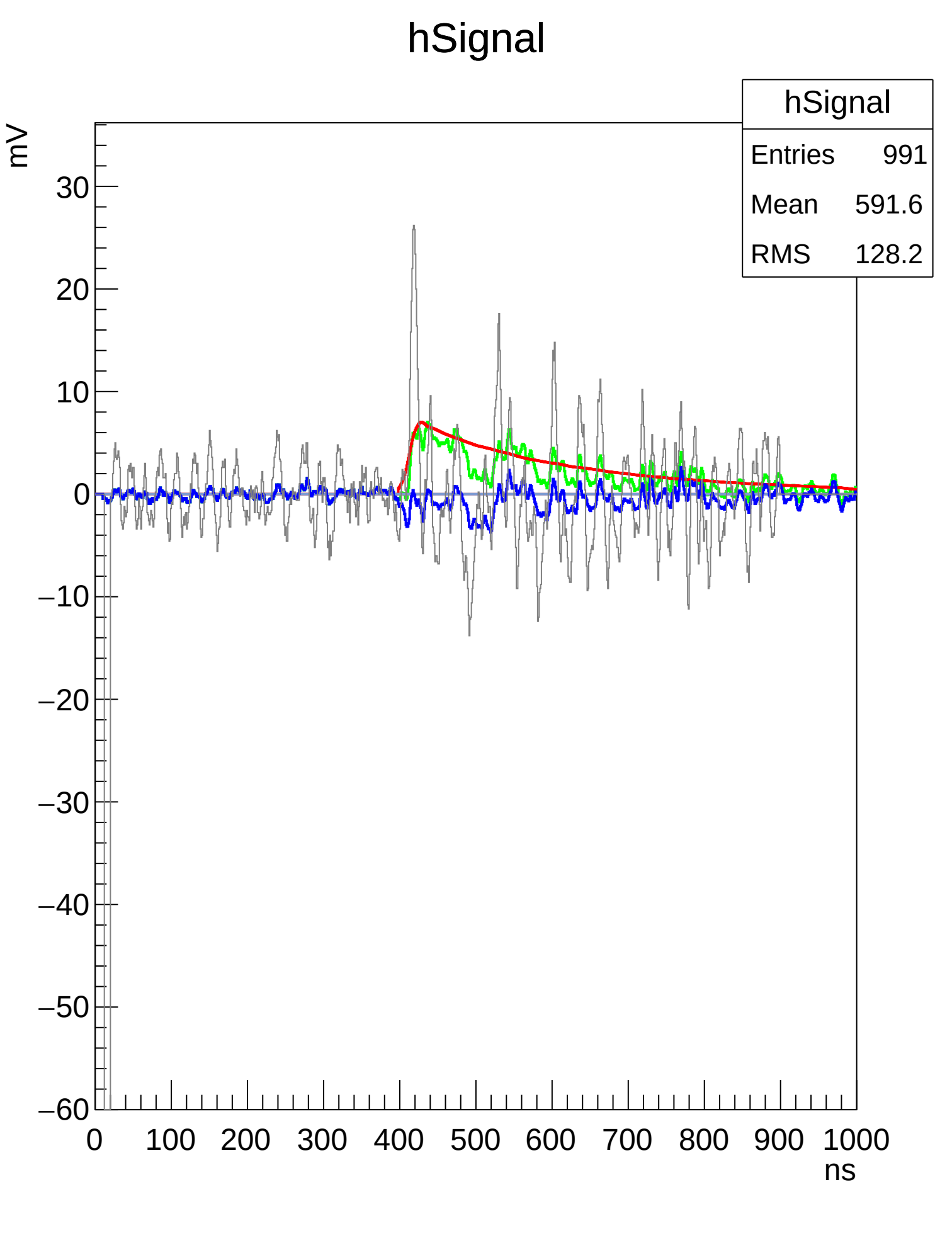
1000
ns


hSignal
hSignal
Entries 991
Mean 591.6
RMS 128.2
mV
30
20
10
0
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0
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400
500
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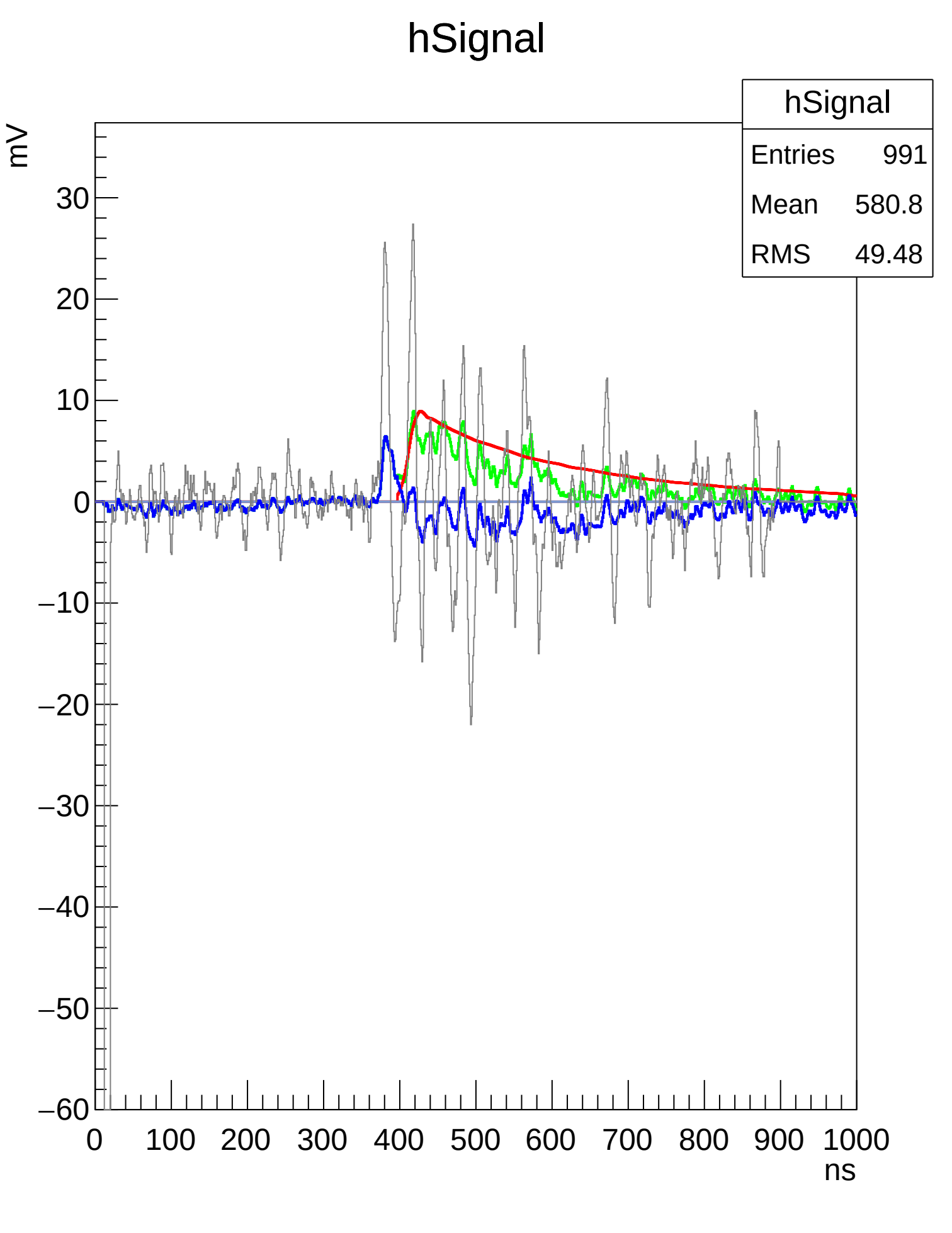
1000
ns


hSignal
hSignal
Entries 991
Mean 580.8
RMS 49.48
mV
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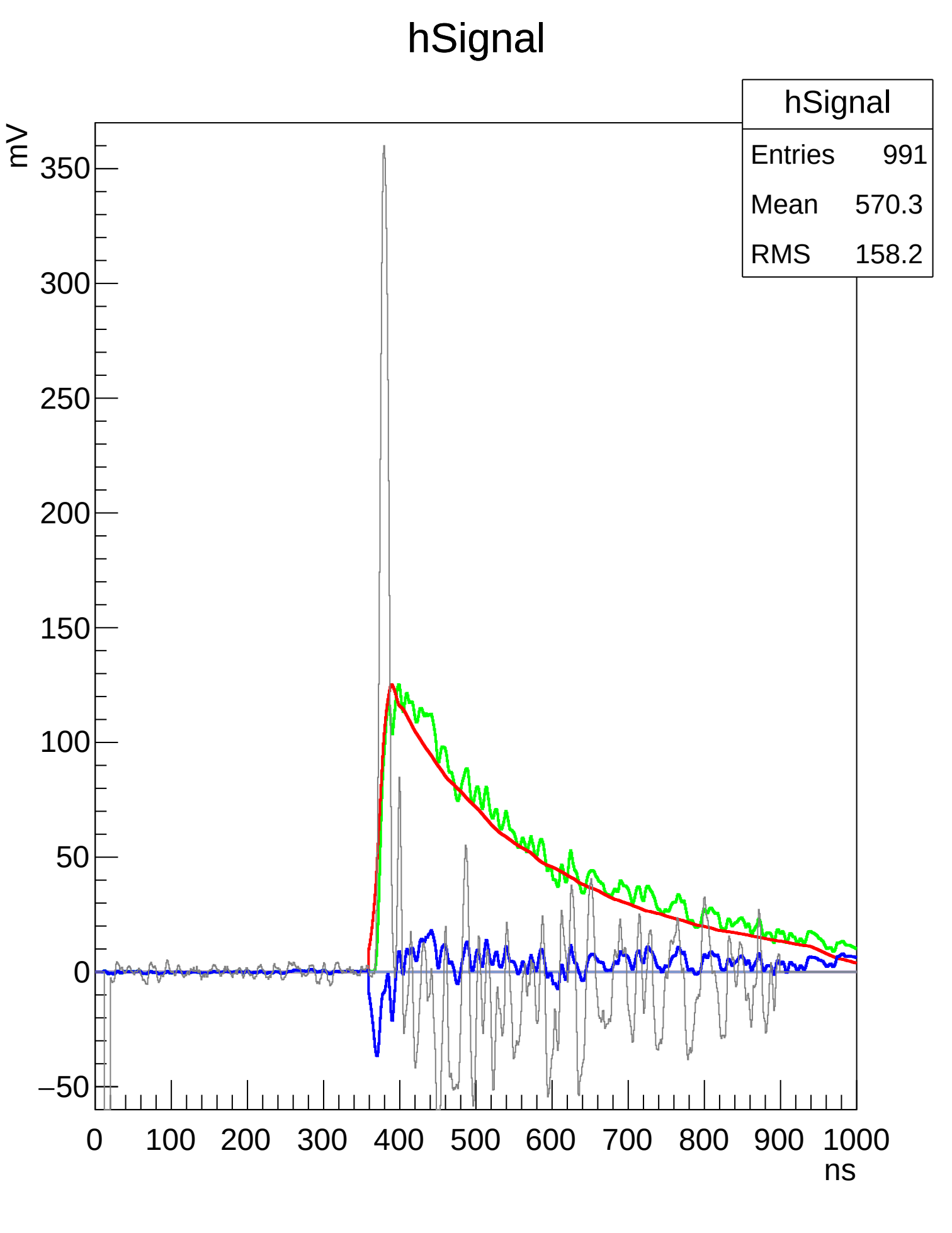
1000
ns


hSignal
hSignal
Entries 991
Mean 570.3
RMS 158.2
mV
350
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200
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100
50
0
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0
100
200
300
400
500
600
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800
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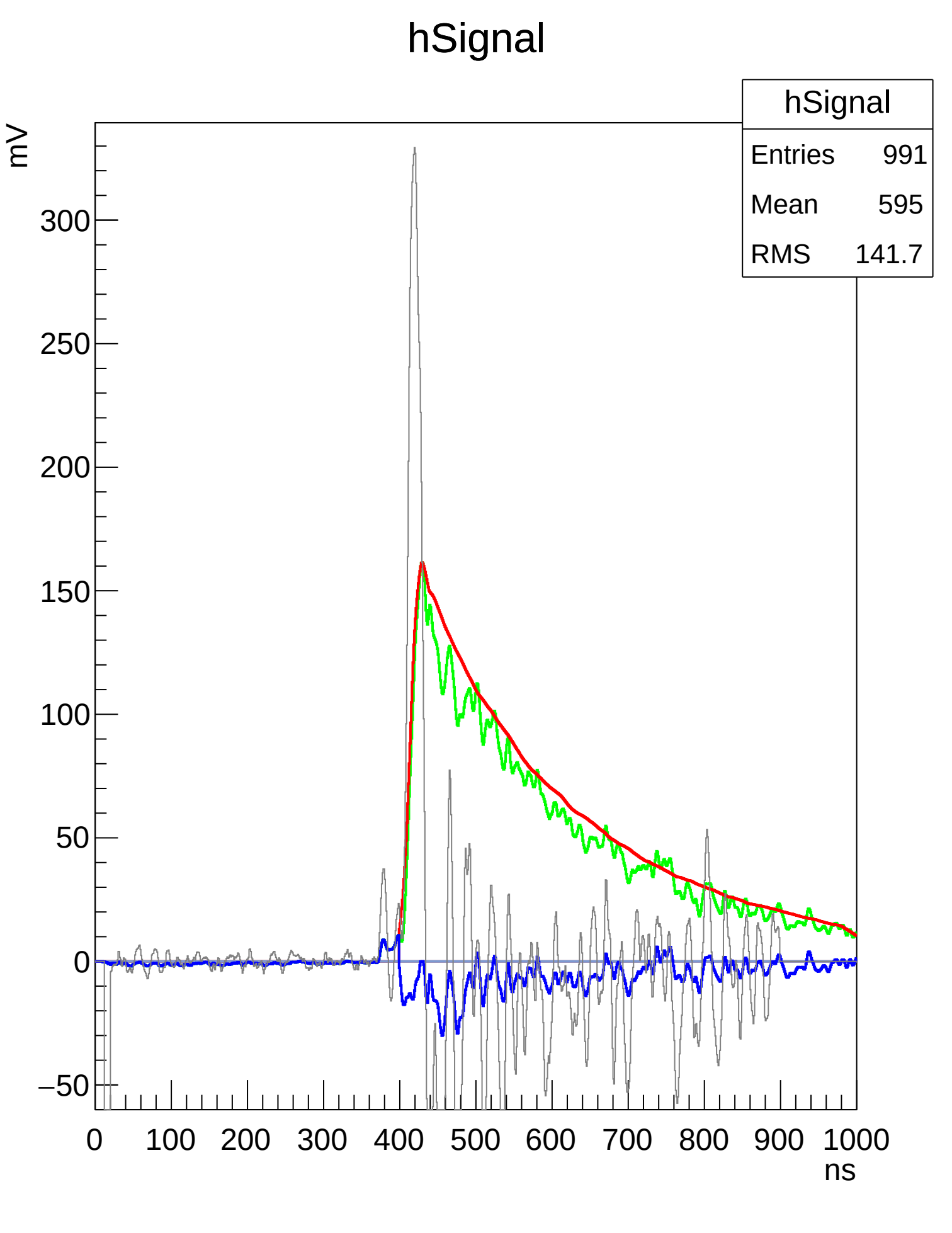
1000
ns


hSignal
hSignal
Entries 991
Mean 595
RMS 141.7
mV
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100
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600
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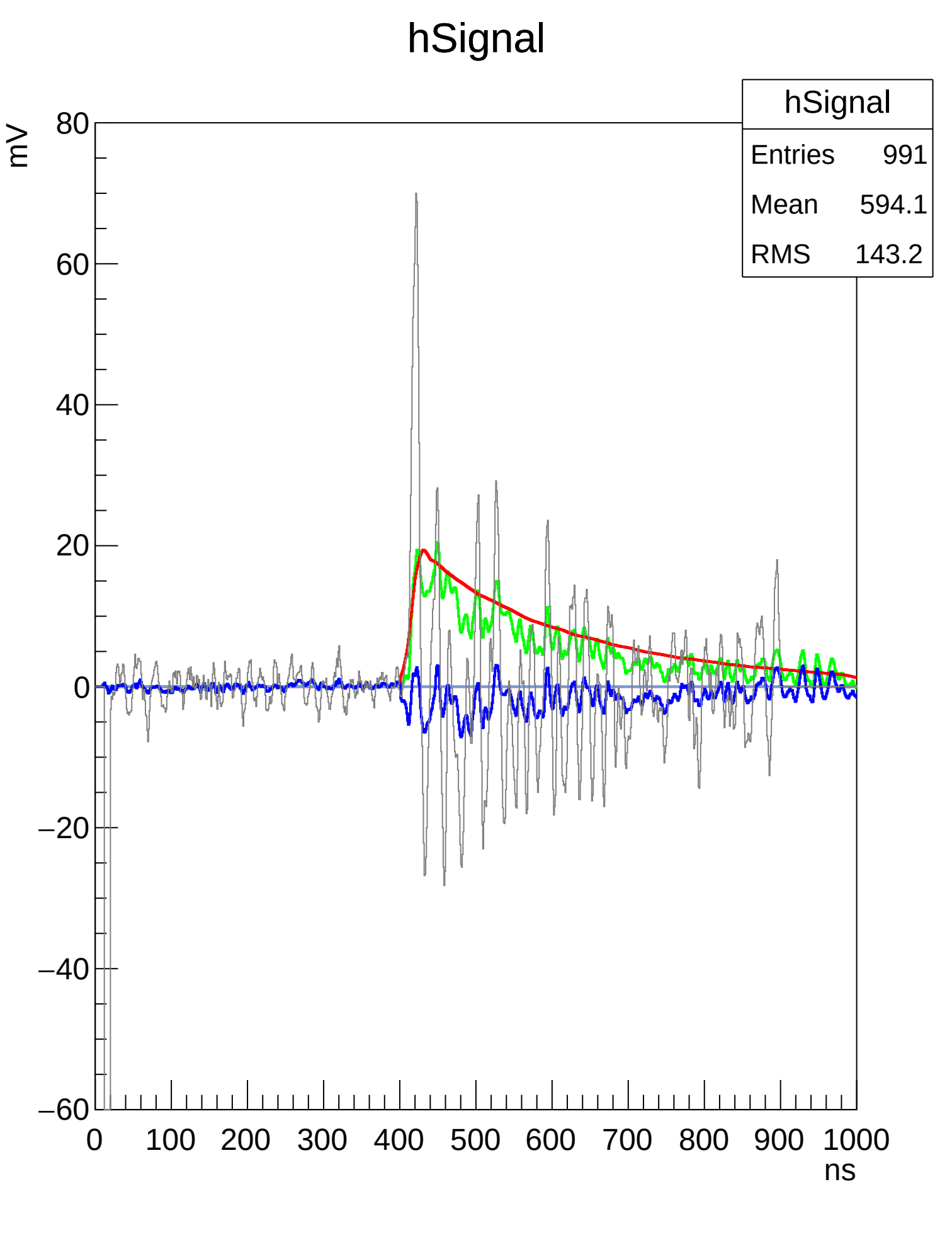
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.1
RMS 143.2
mV
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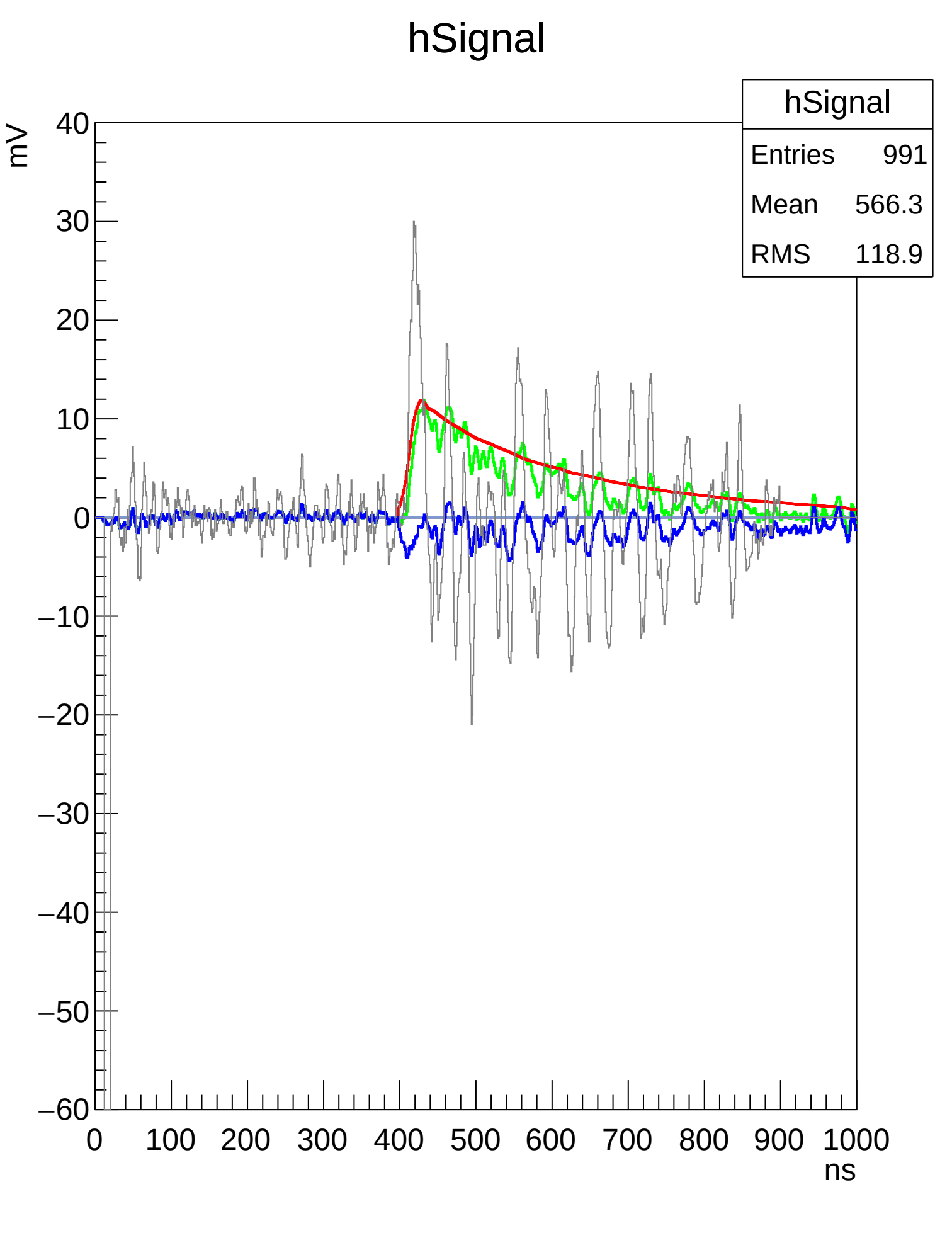
1000
ns


hSignal
hSignal
Entries 991
Mean 566.3
RMS 118.9
mV
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10
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−40
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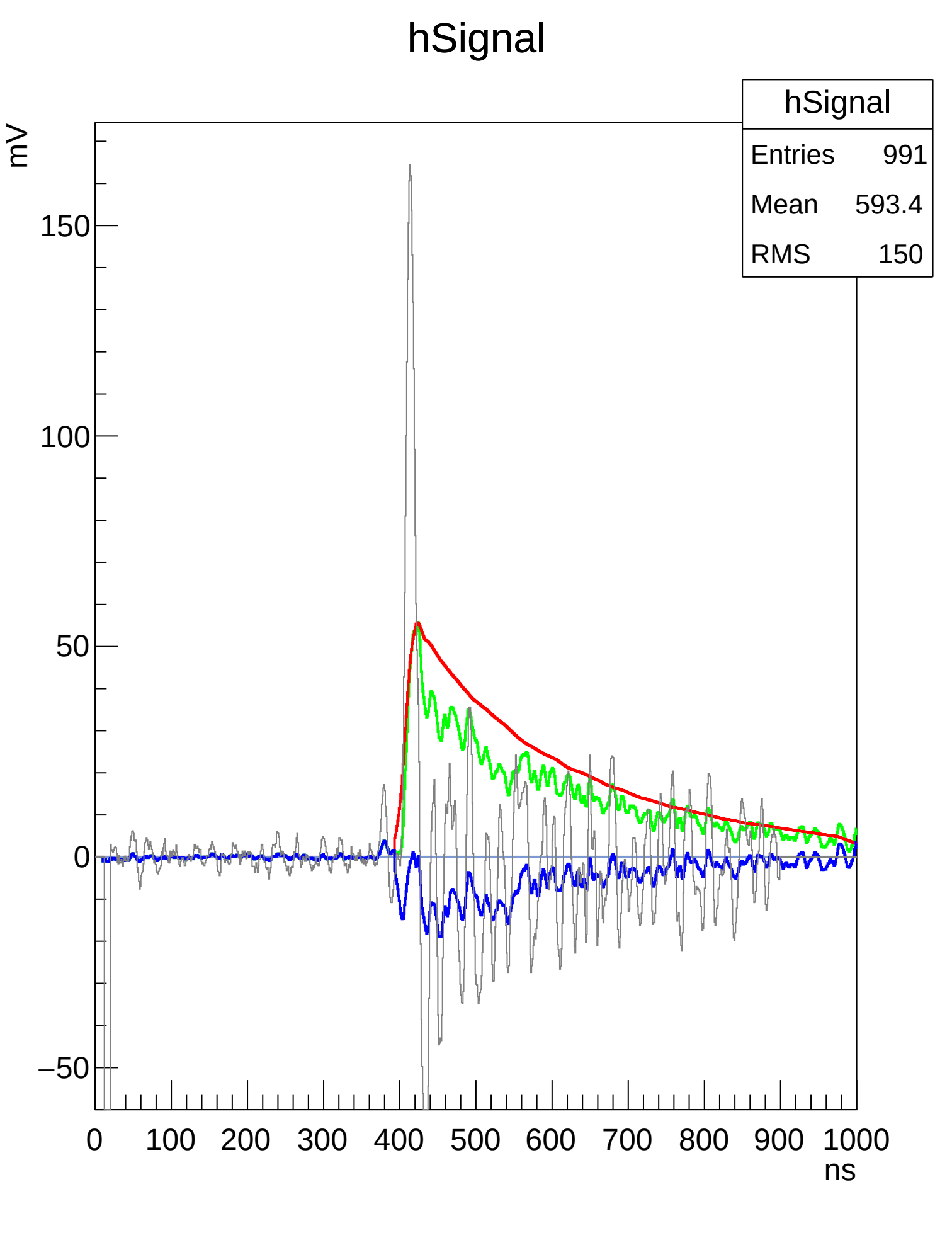
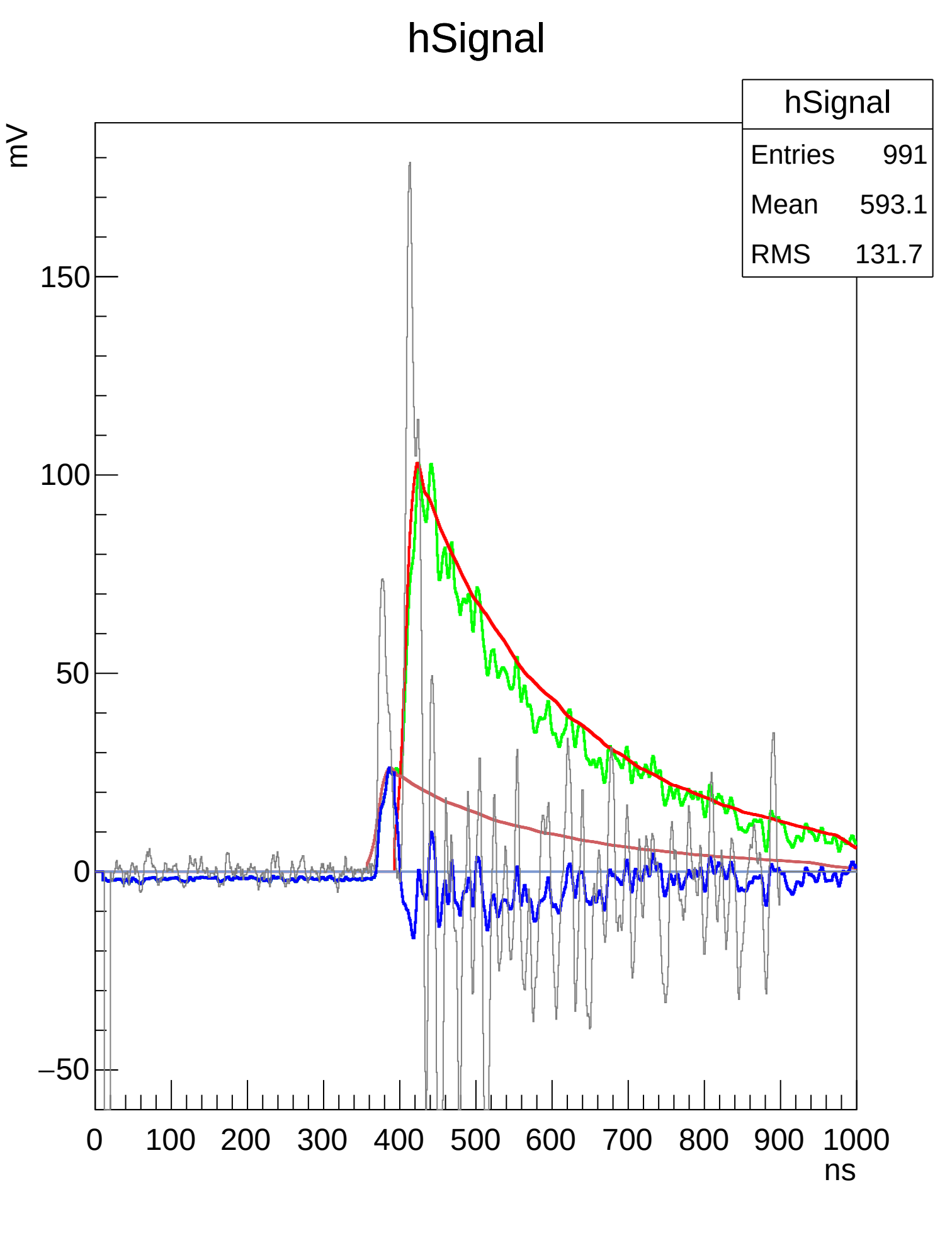
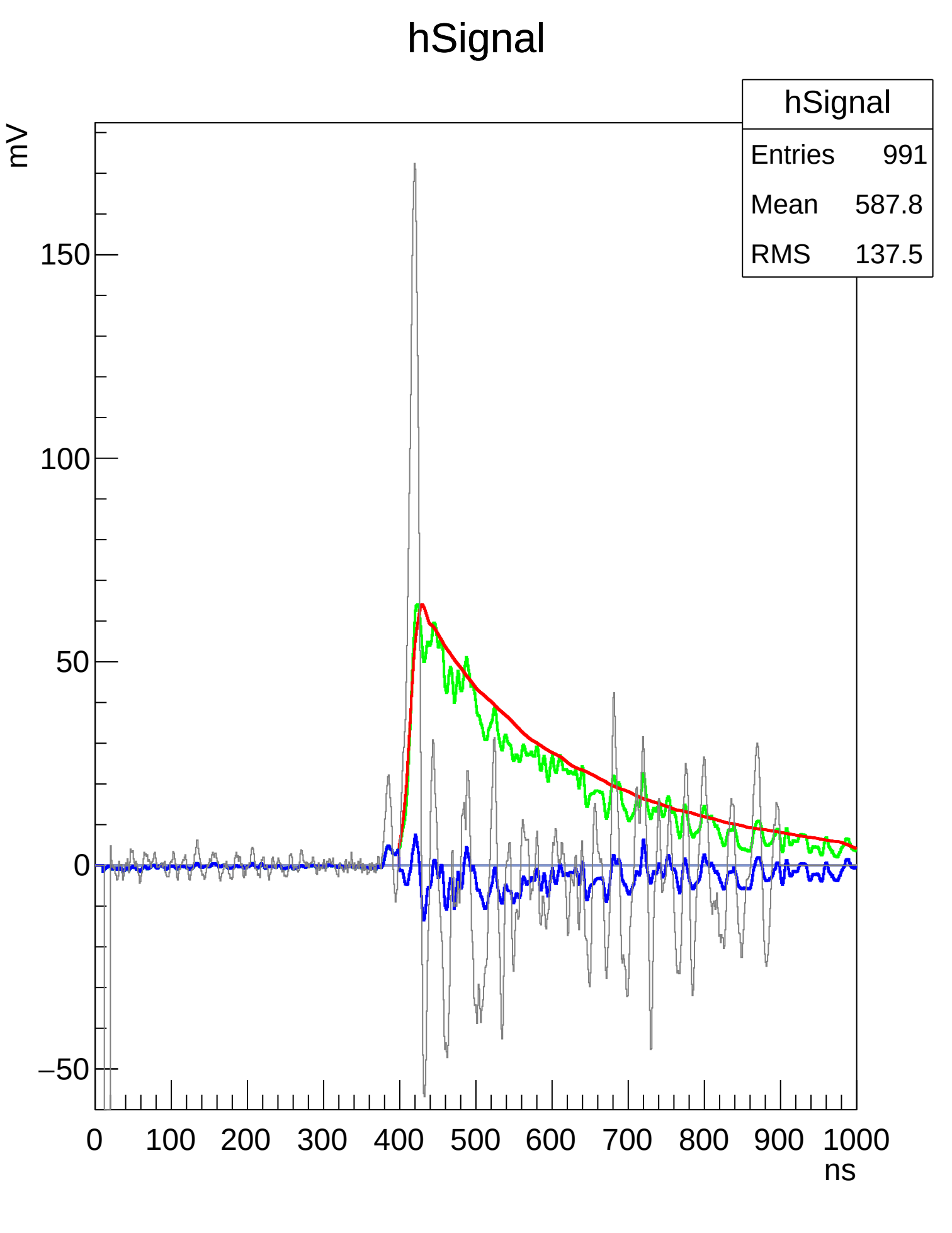
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 150
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.1
RMS 131.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 137.5
mV
150
100
50
0
−50
0
100
200
300
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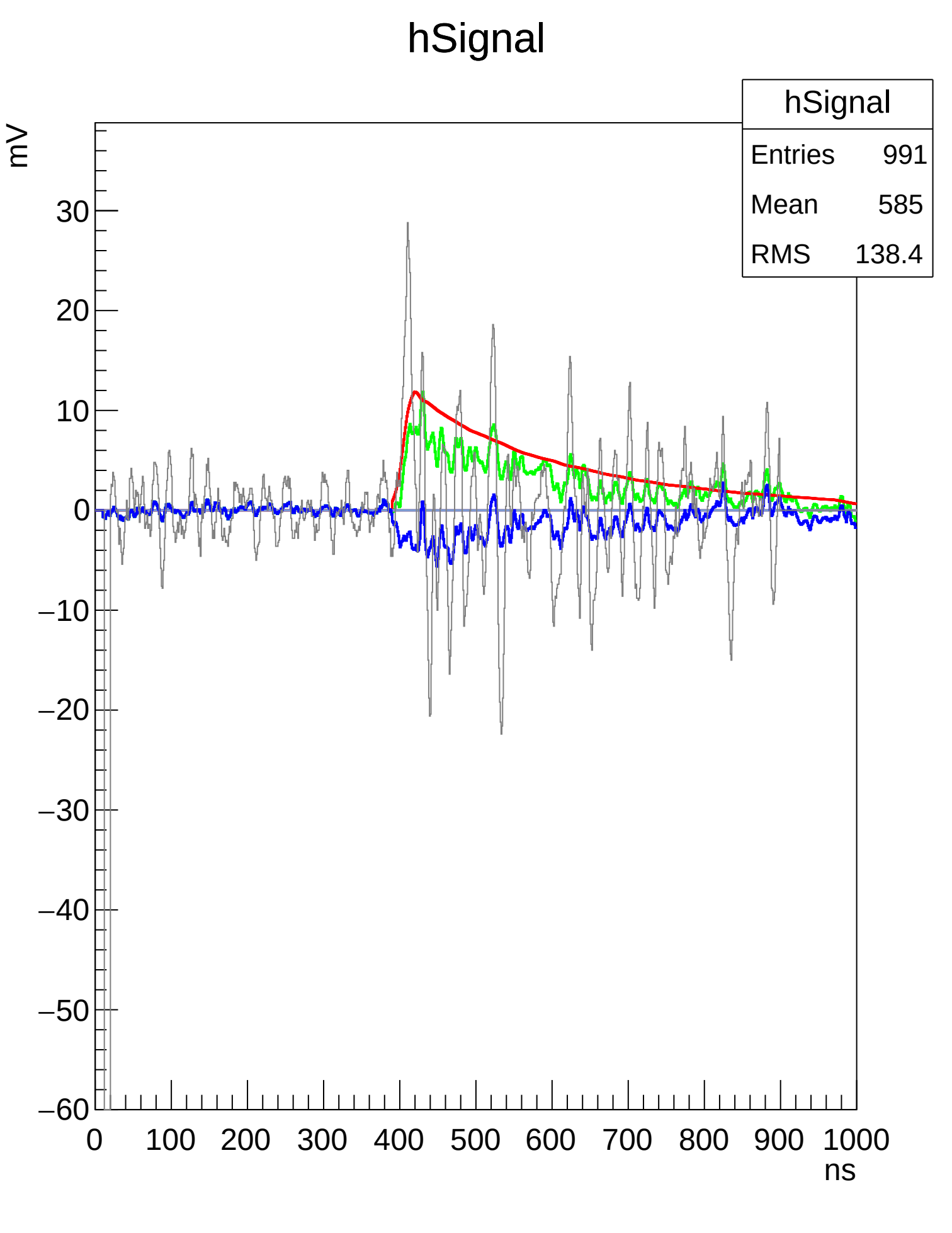
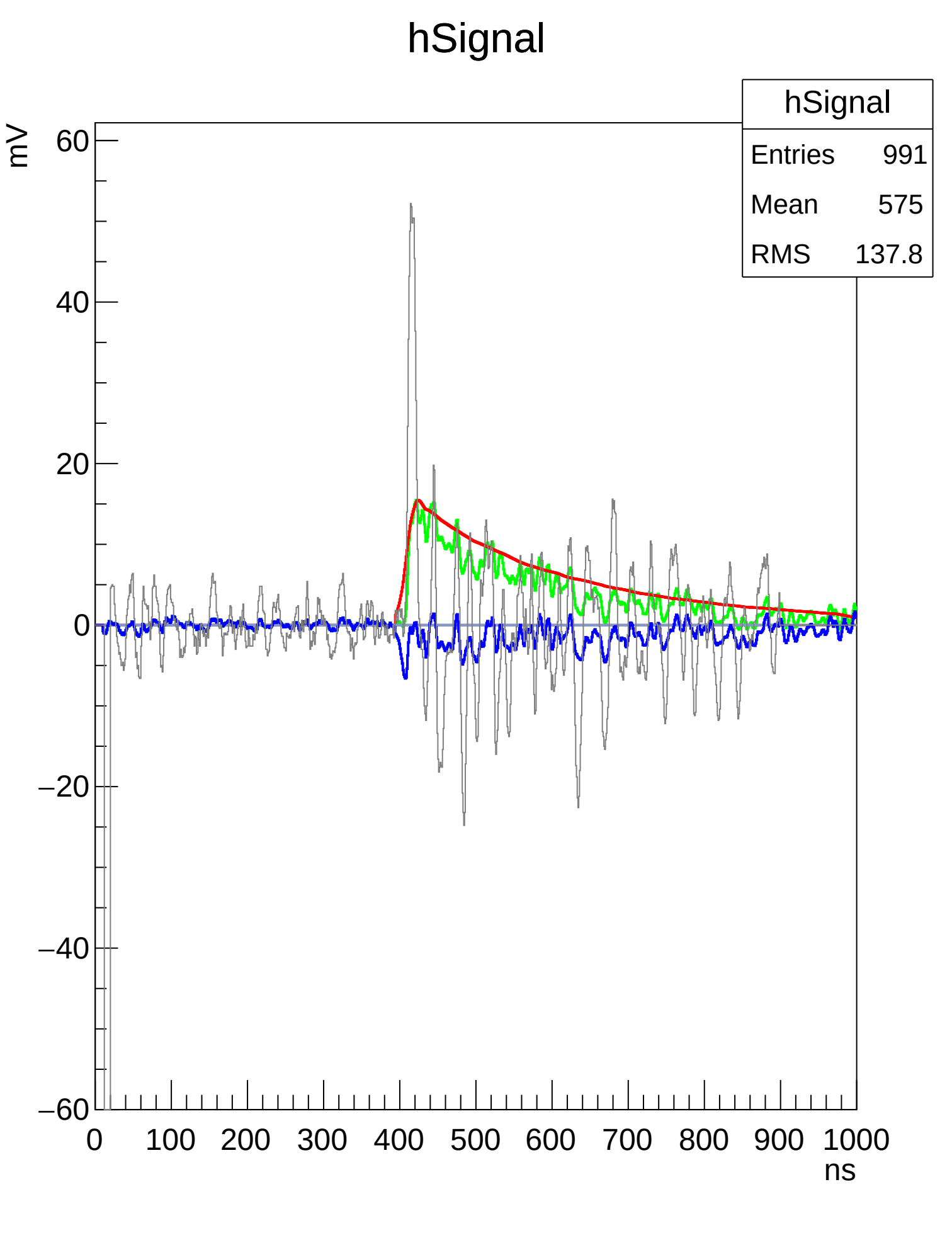
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585
RMS 138.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575
RMS 137.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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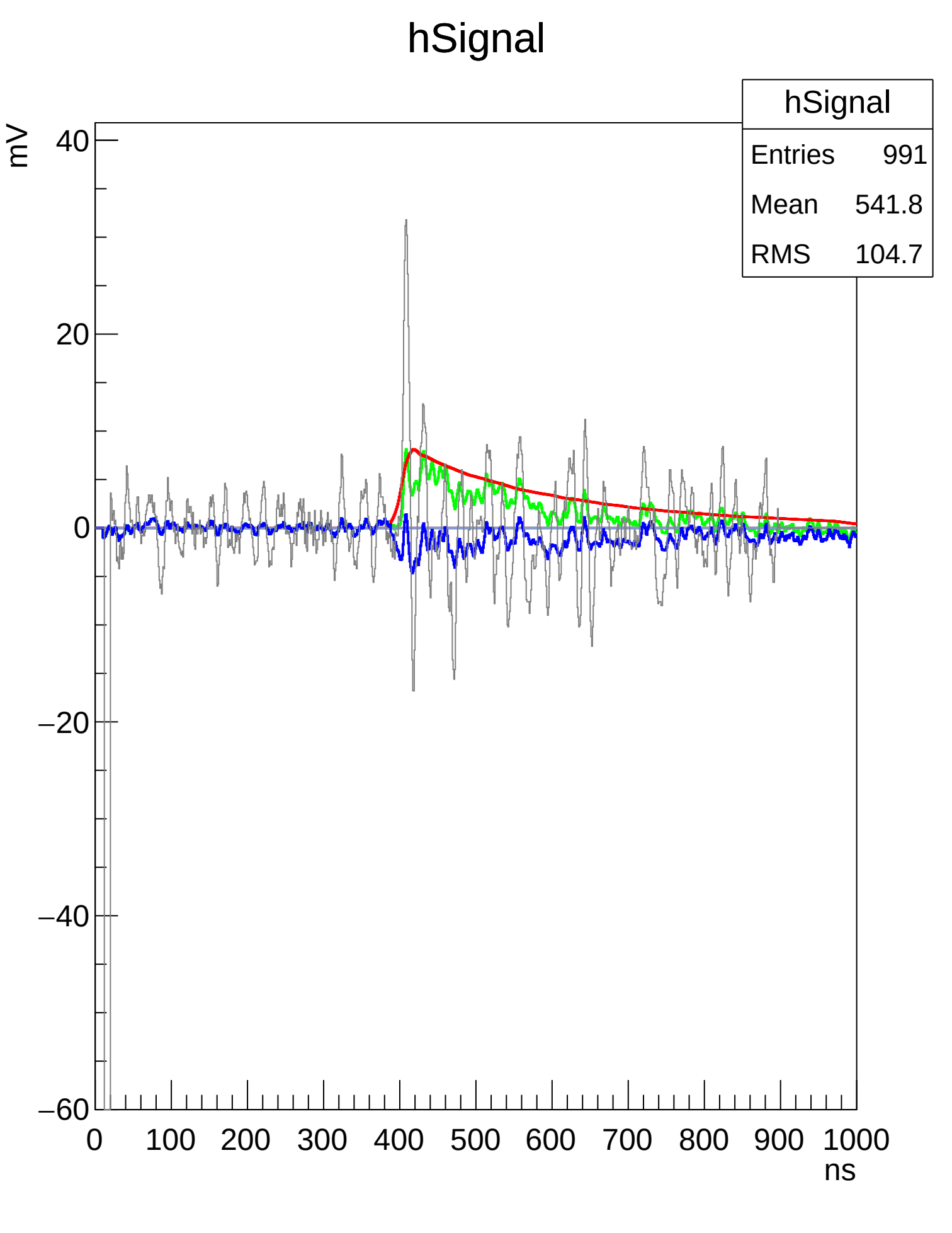
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.8
RMS 104.7
mV
40
20
0
−20
−40
−60
0
100
200
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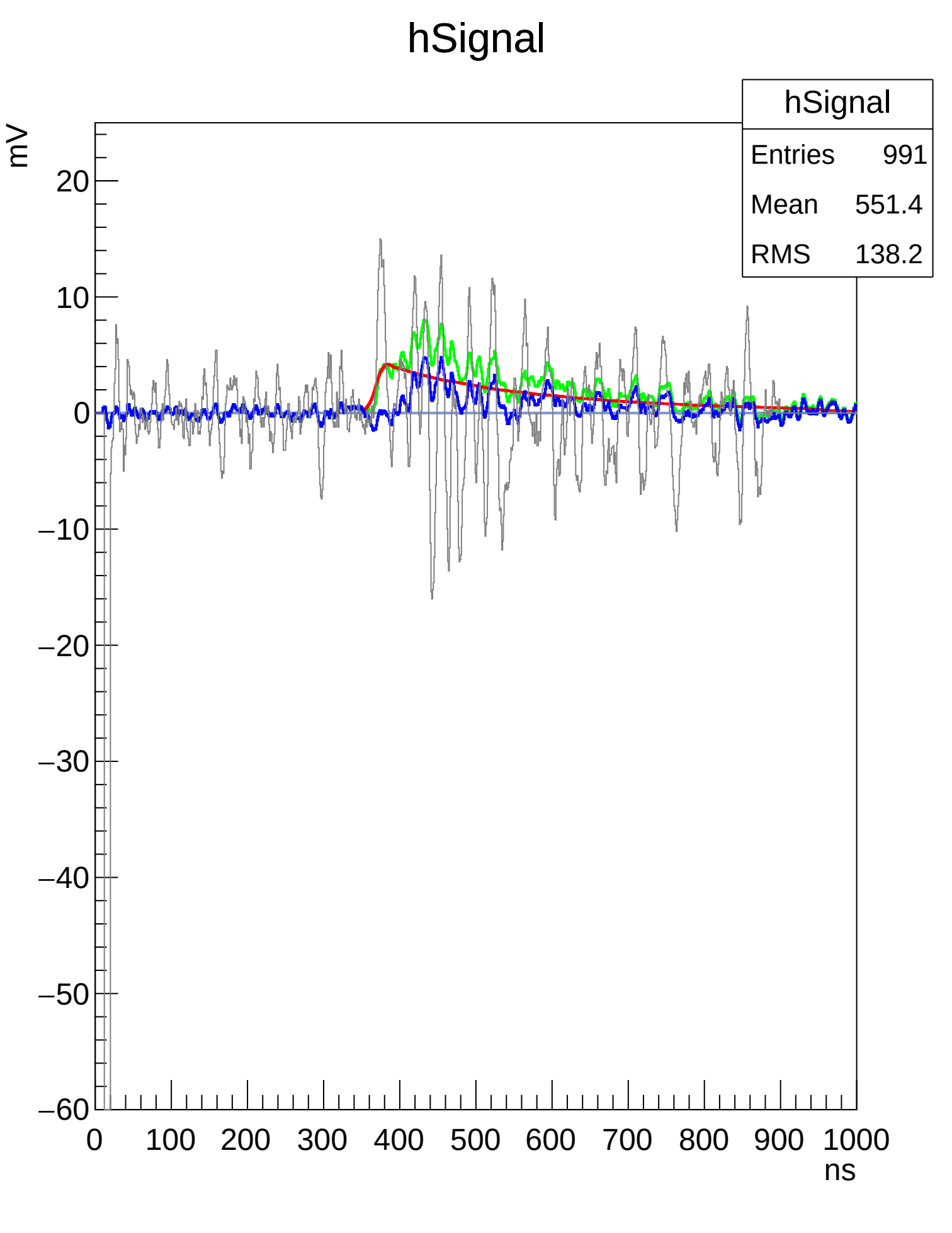
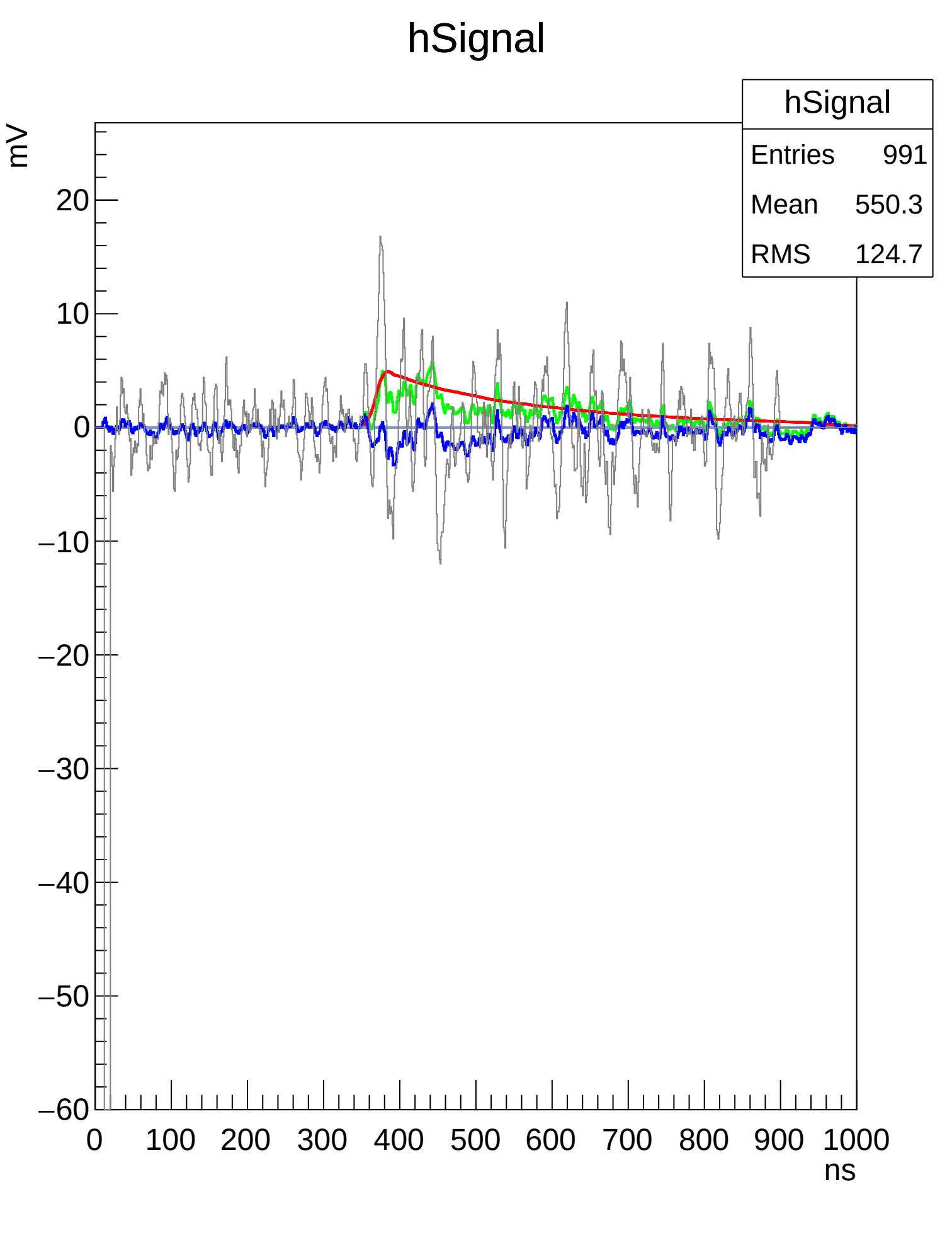
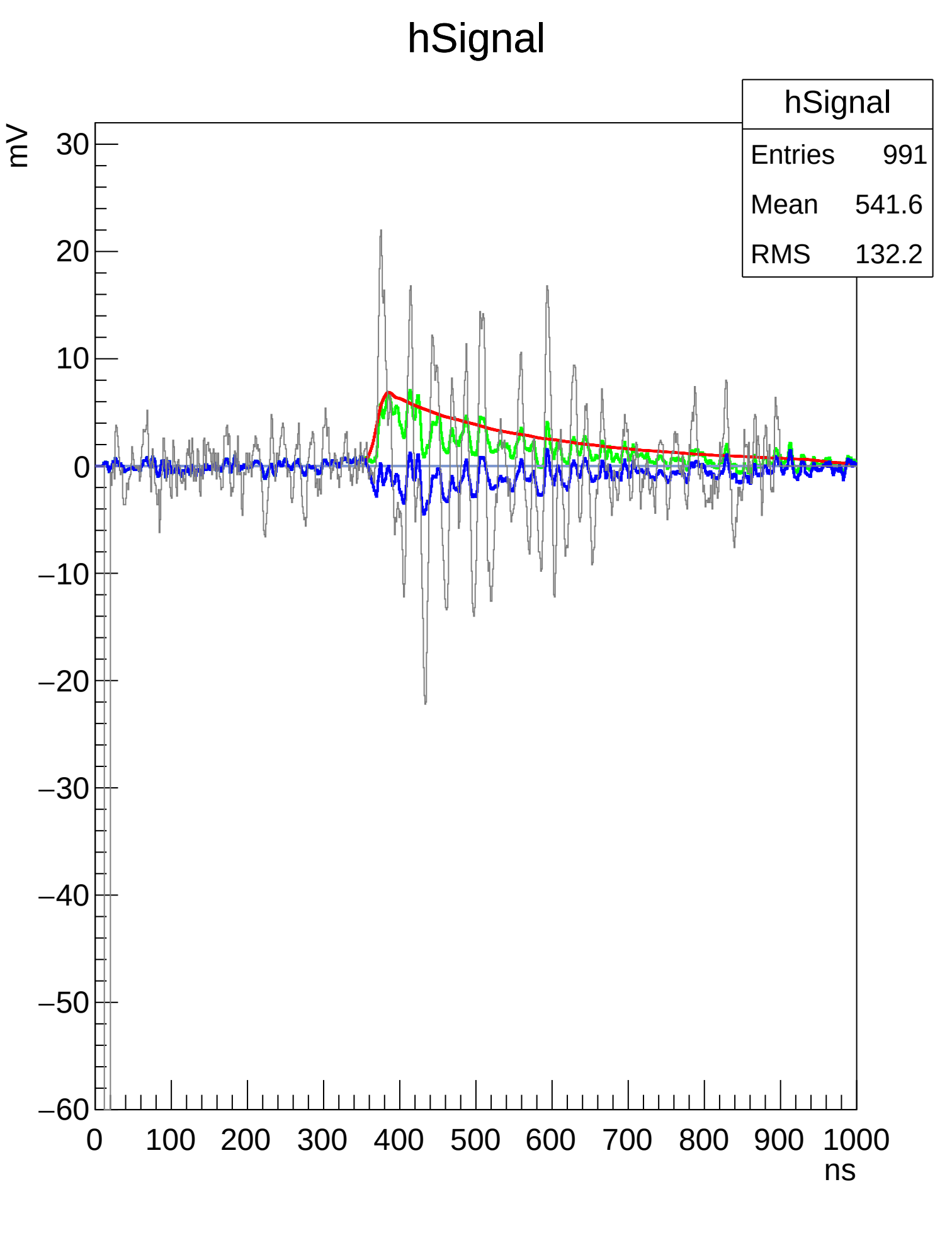
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.4
RMS 138.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.3
RMS 124.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.6
RMS 132.2
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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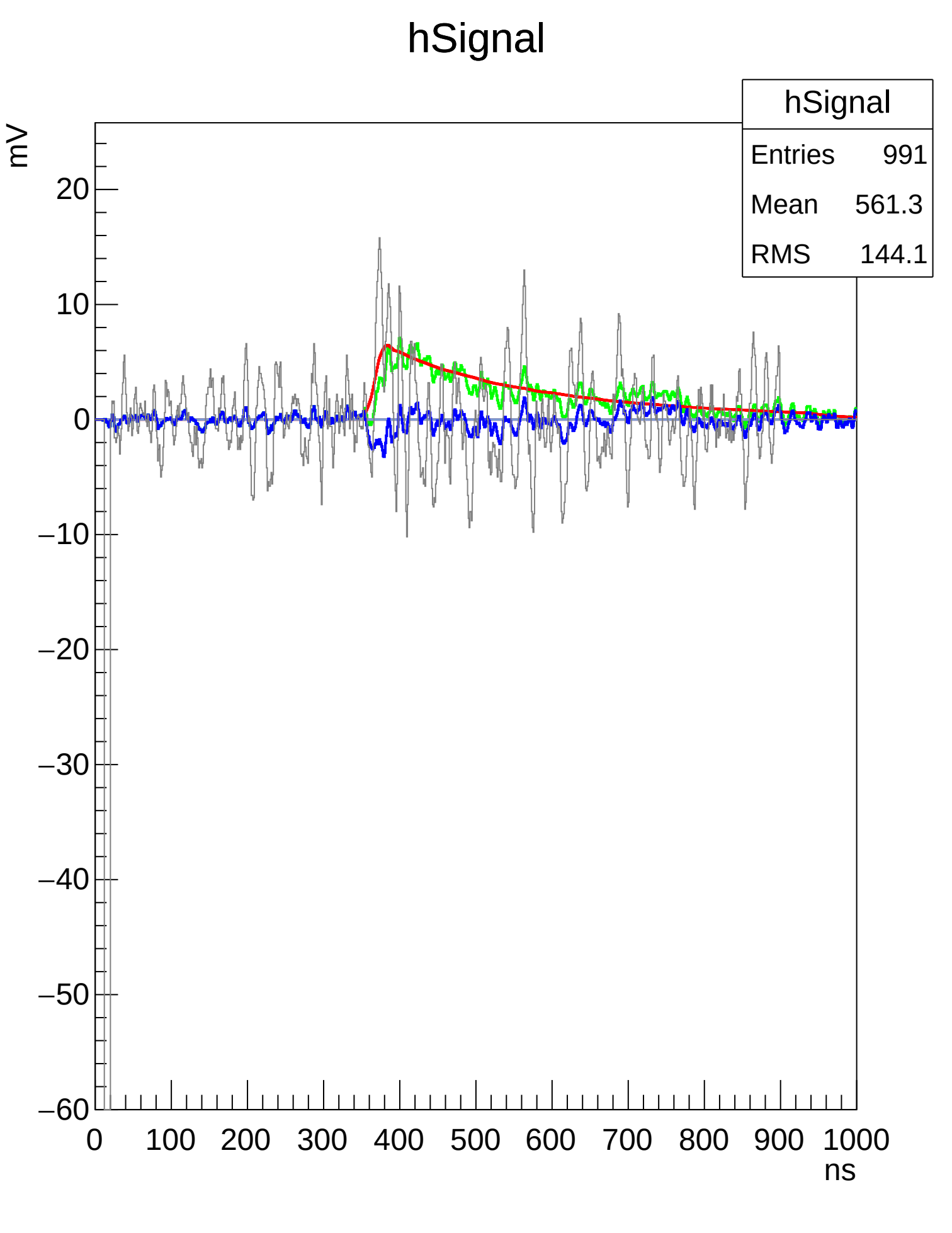
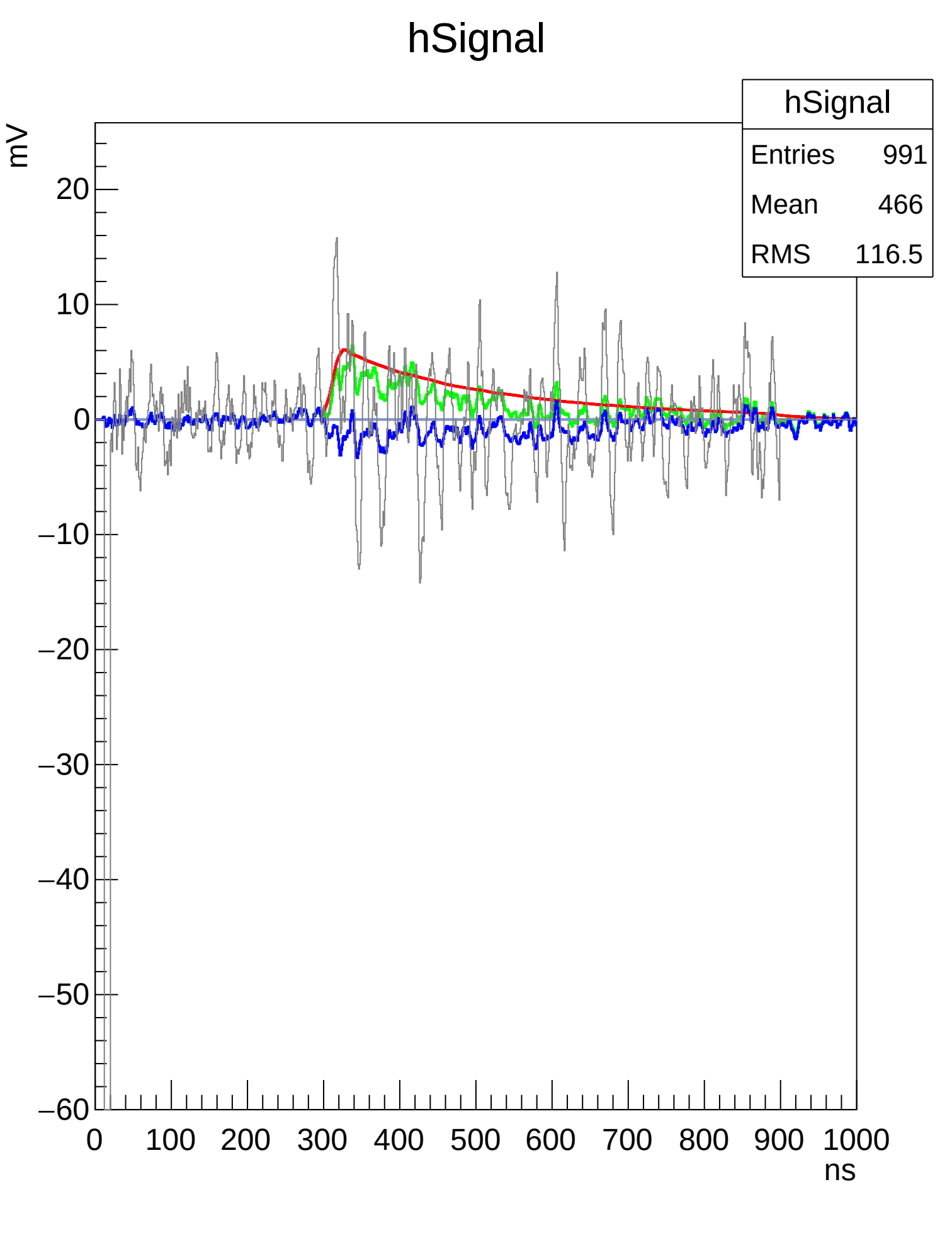
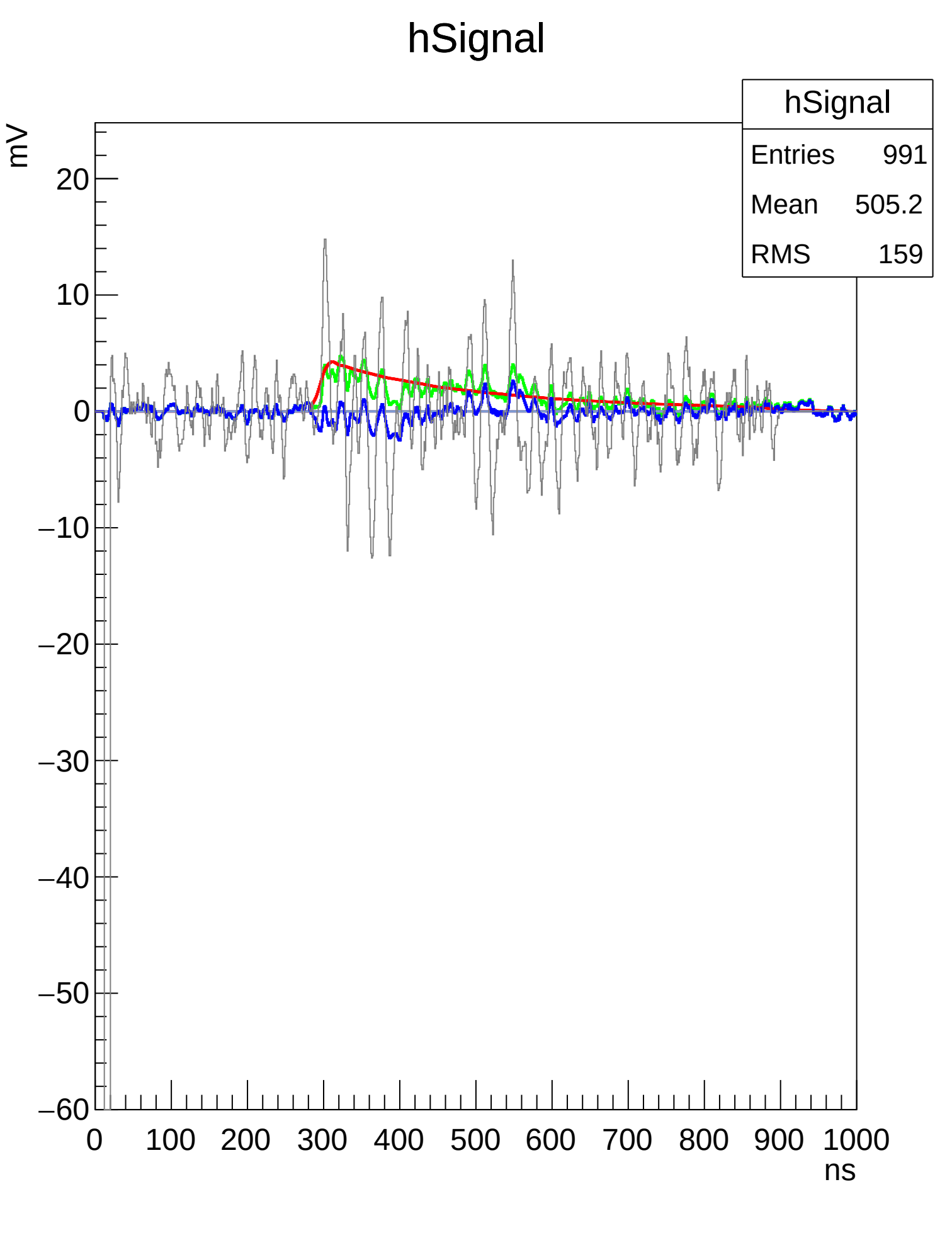
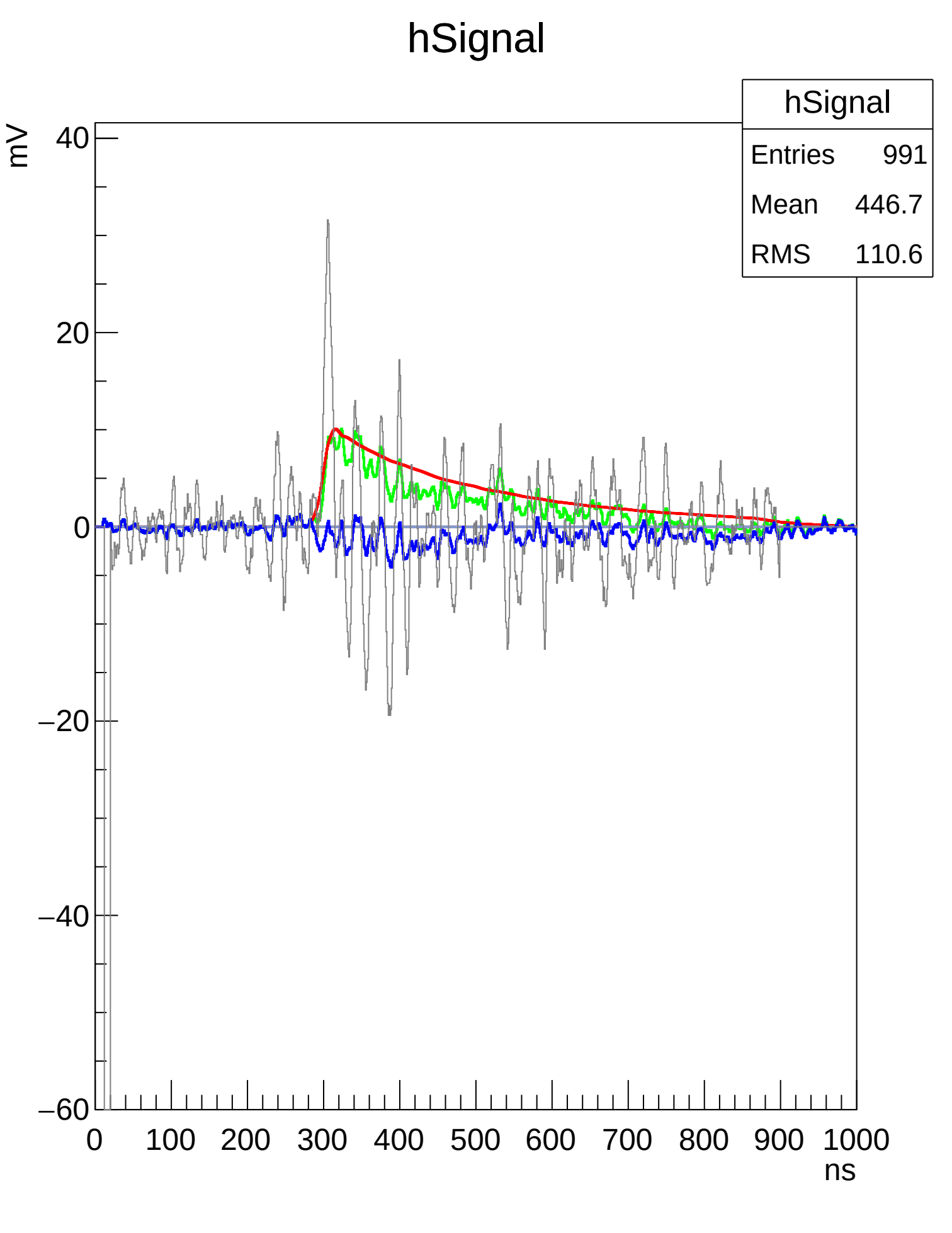
1000
ns


hSignal
hSignal
Entries 991
Mean 561.3
RMS 144.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 466
RMS 116.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.2
RMS 159
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 446.7
RMS 110.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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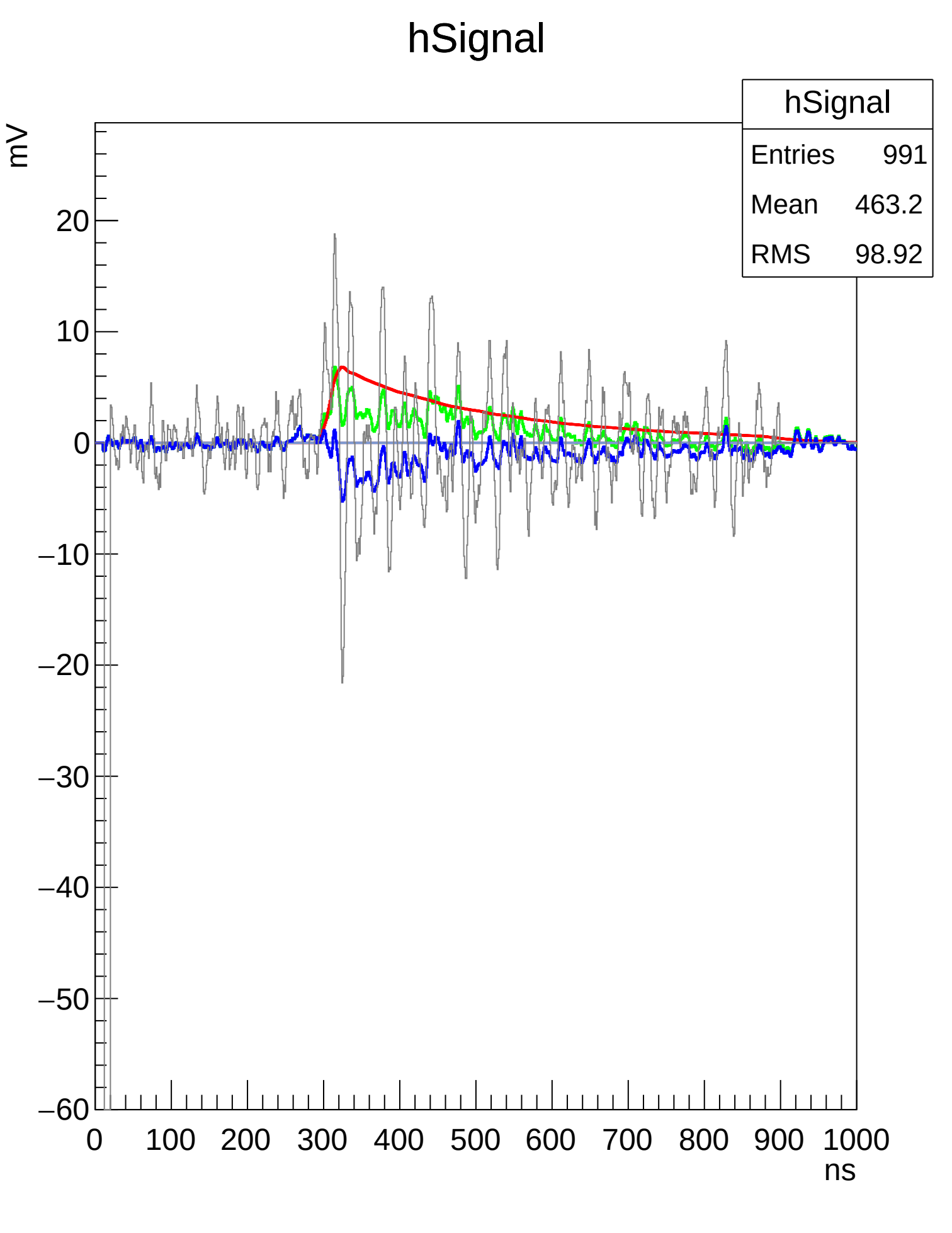
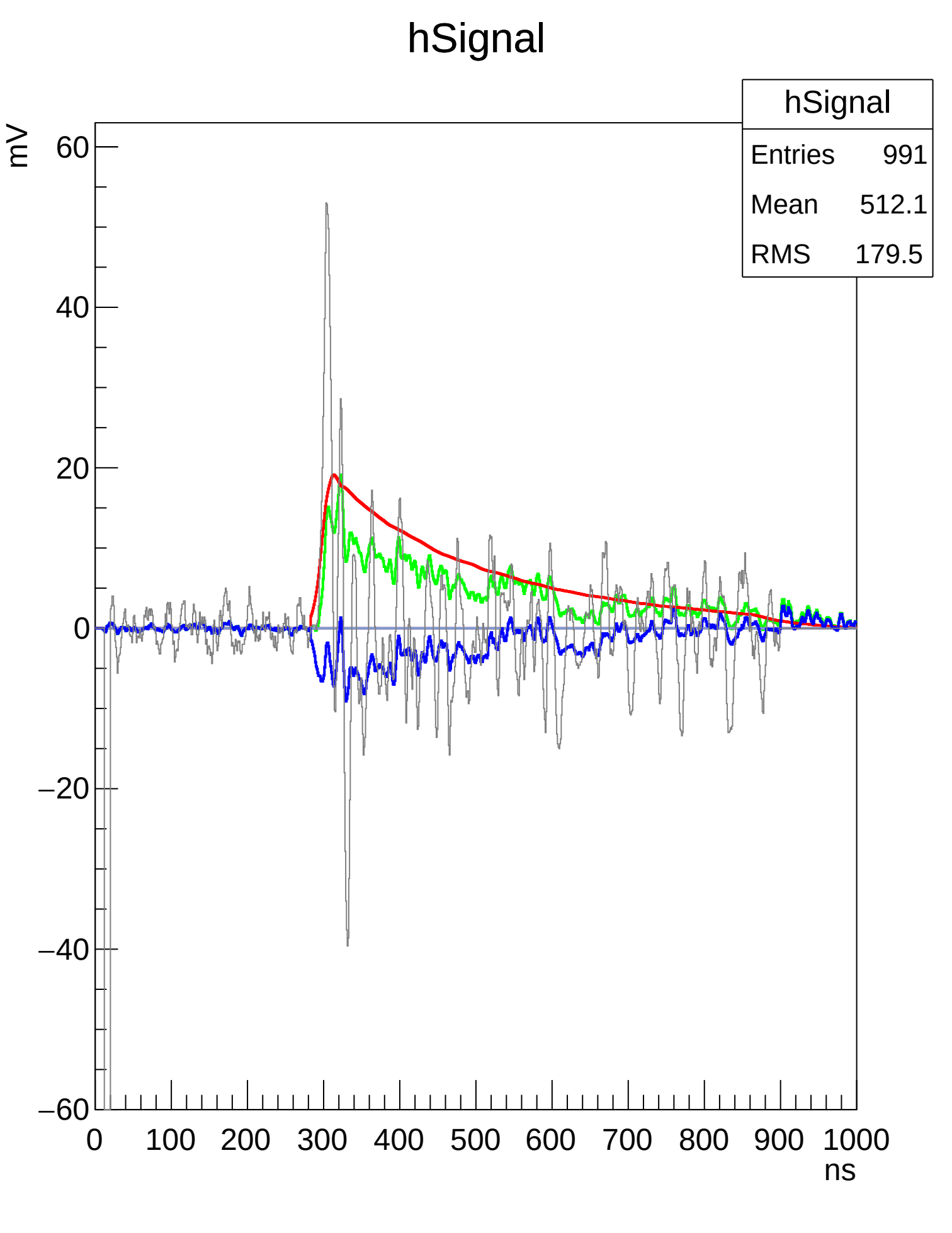
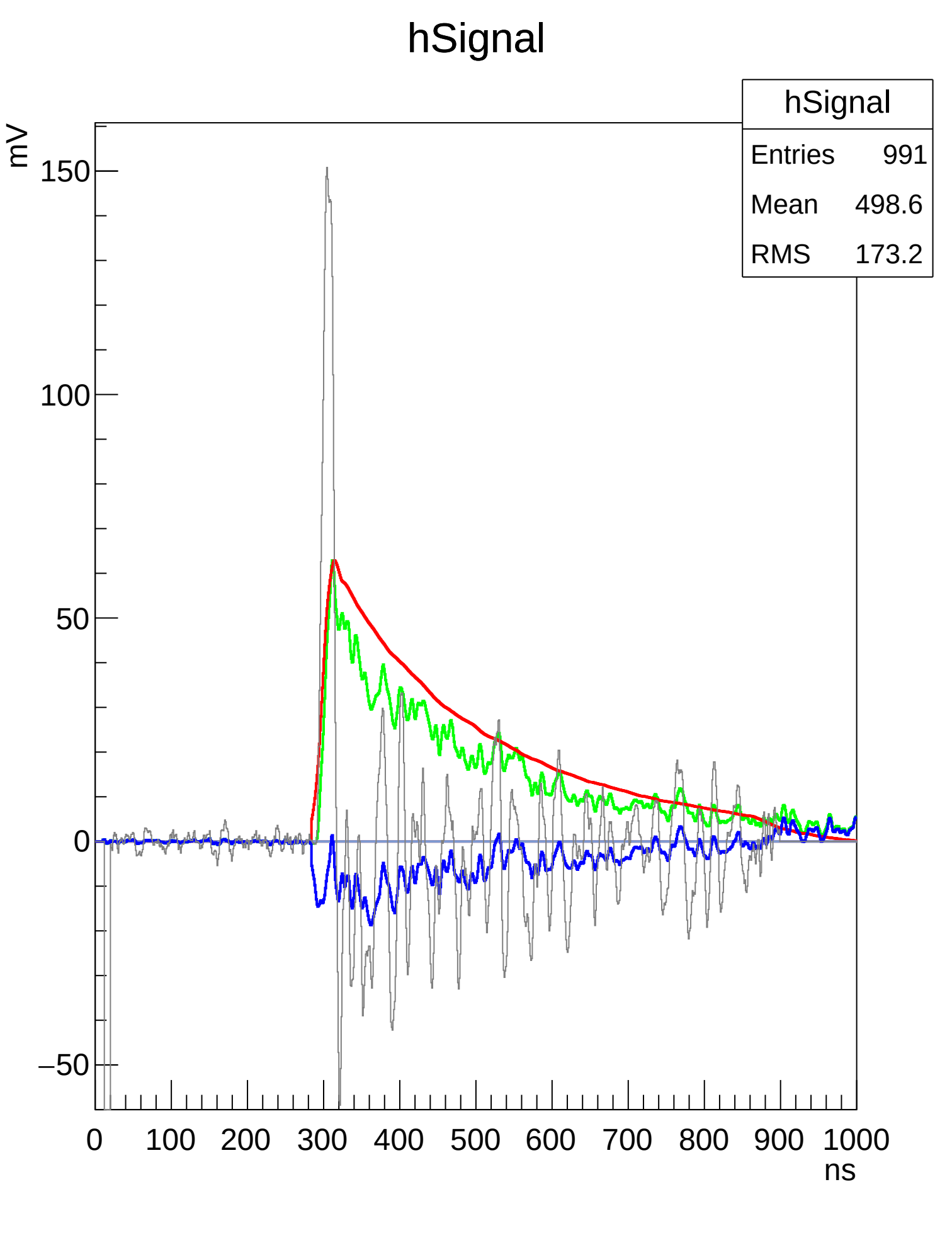
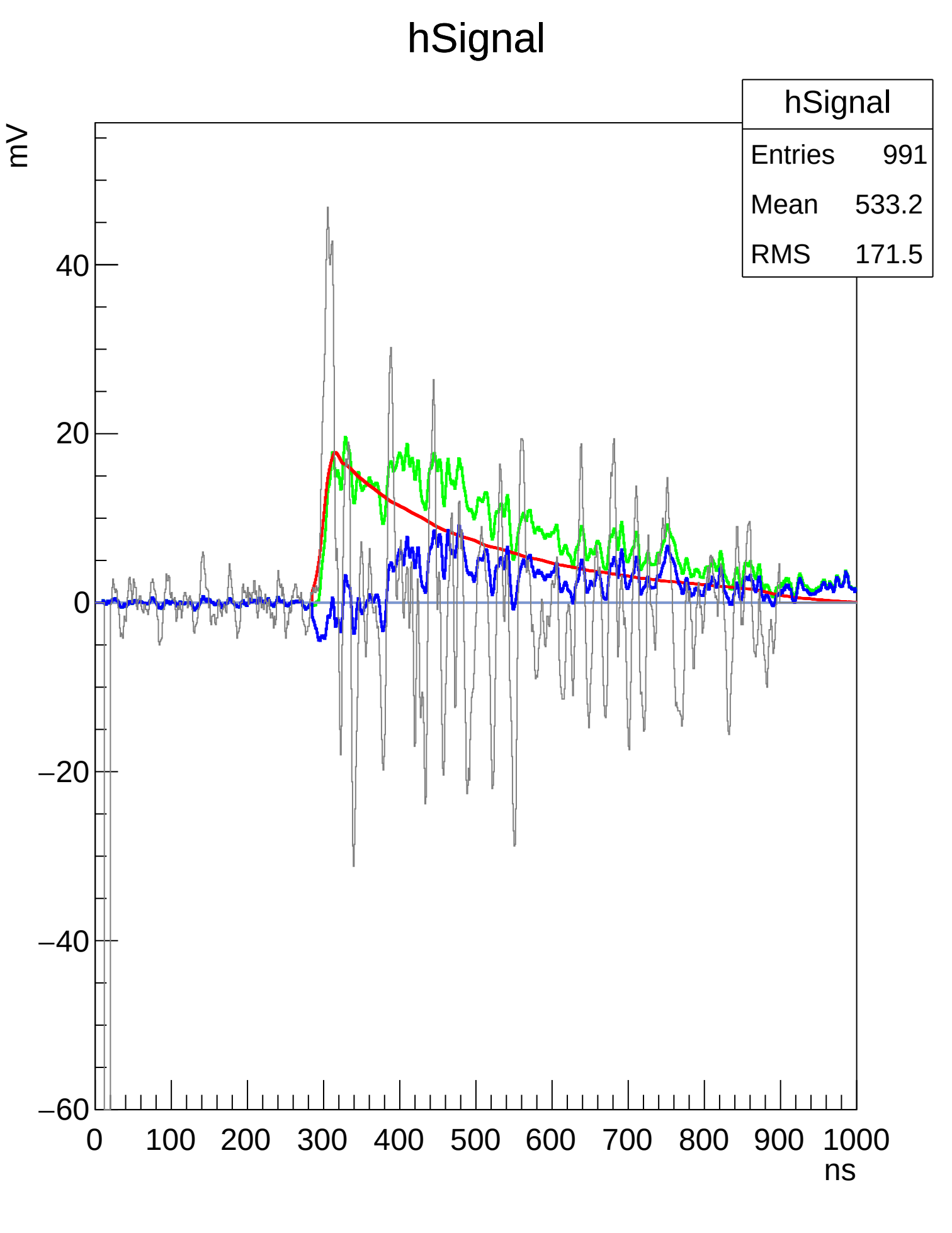
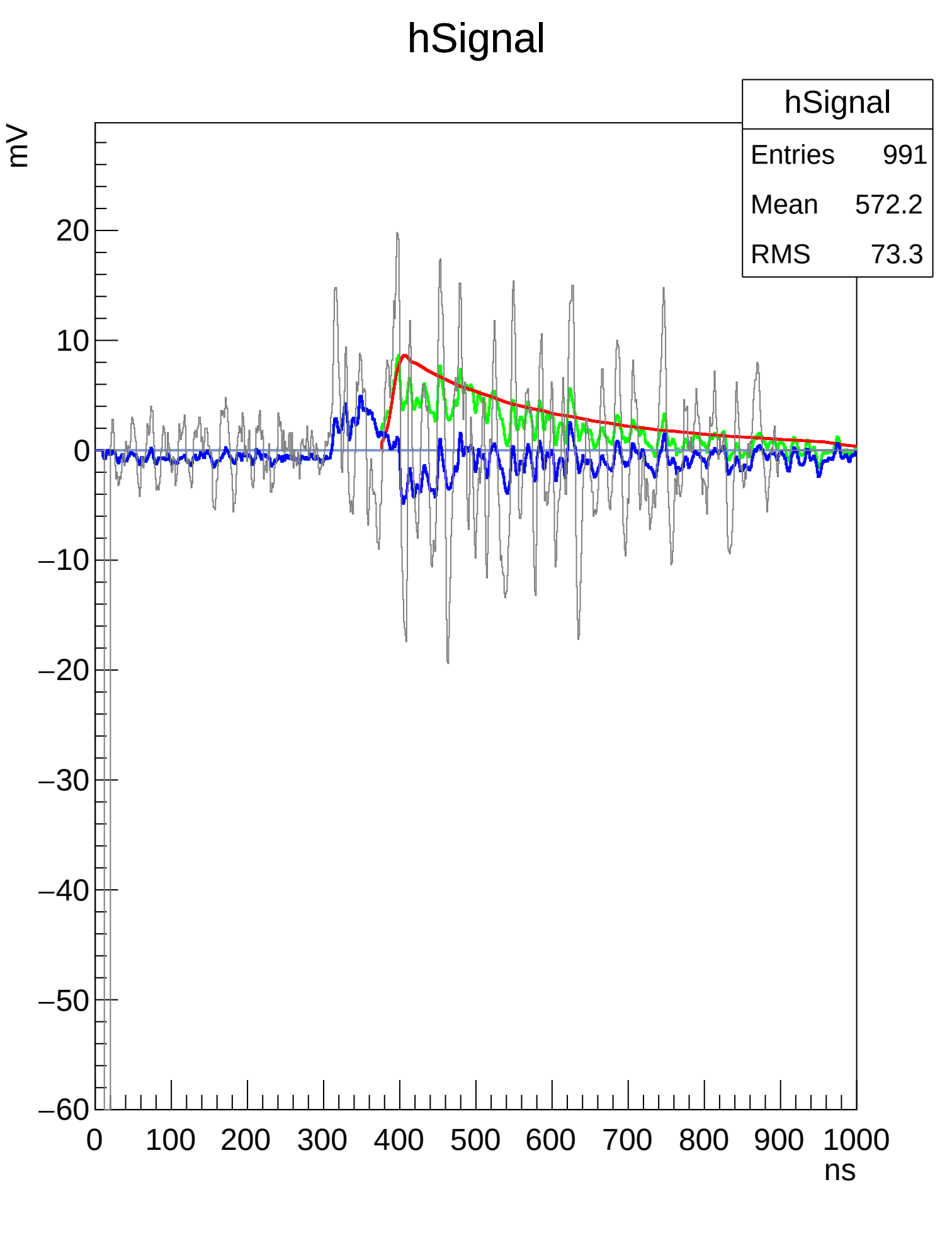
600
700
800
900
1000
ns

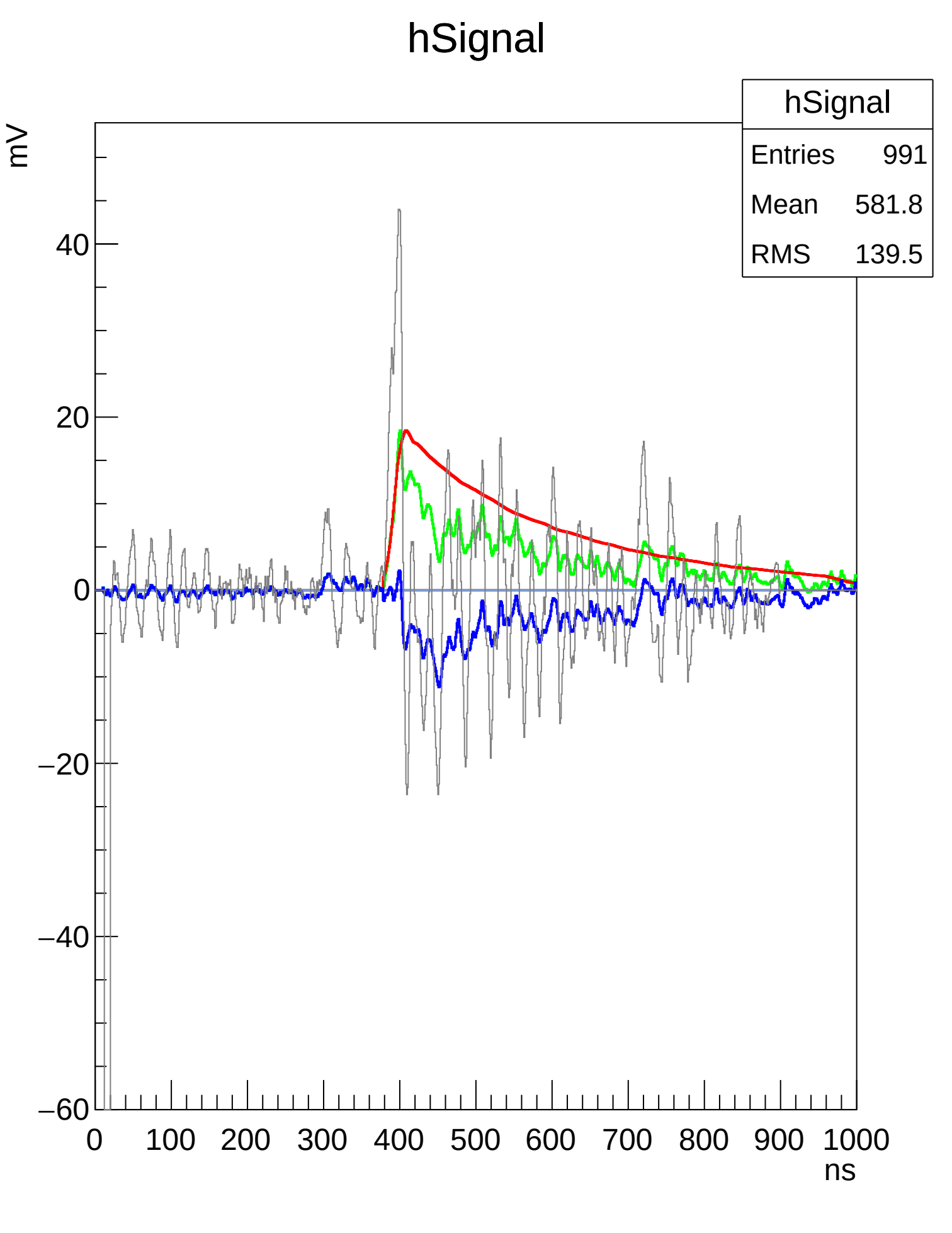

hSignal
hSignal
Entries 991
Mean 463.2
RMS 98.92
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.1
RMS 179.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.6
RMS 173.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.2
RMS 171.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.2
RMS 73.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.8
RMS 139.5
mV
40
20
0
−20
−40
−60
0
100
200
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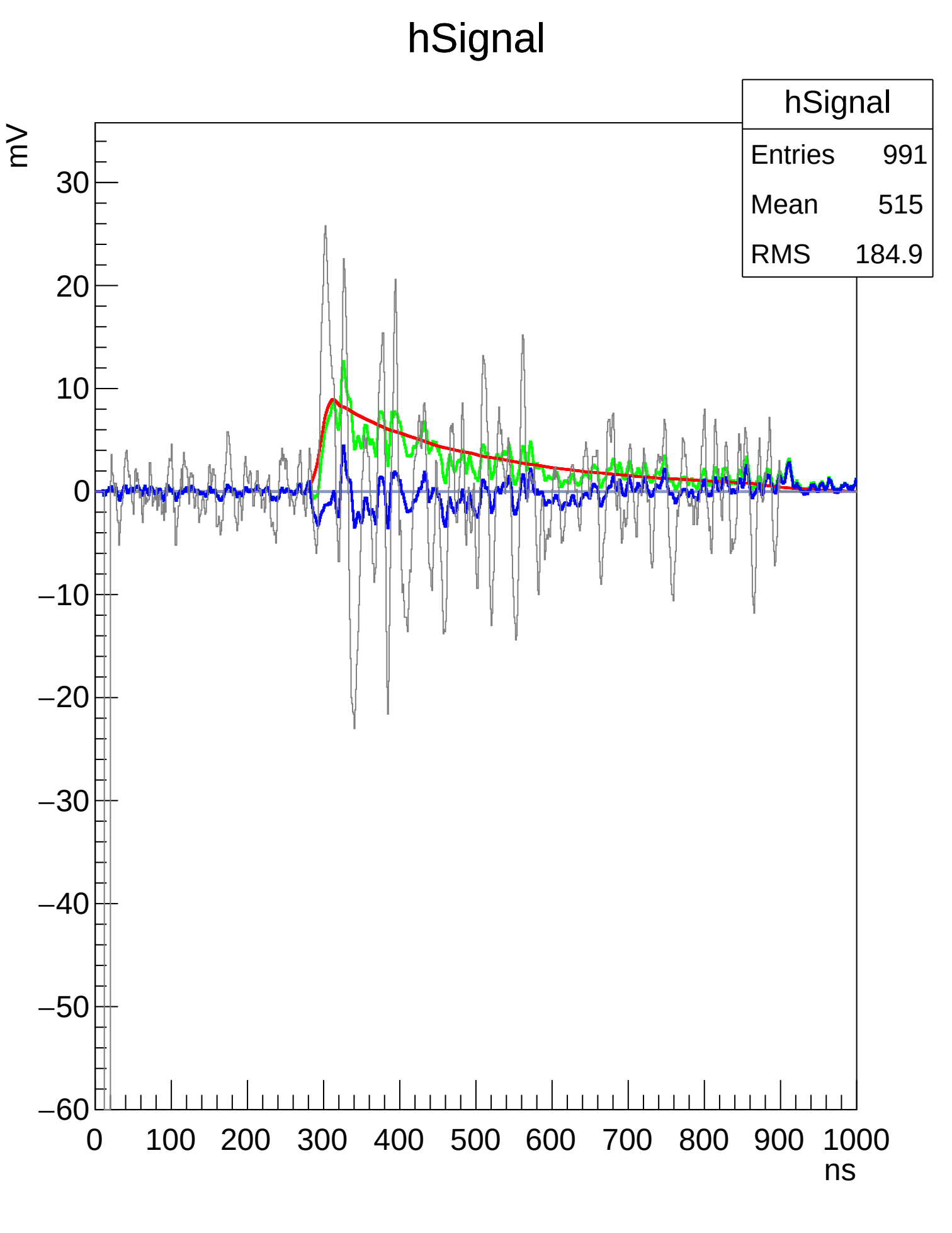
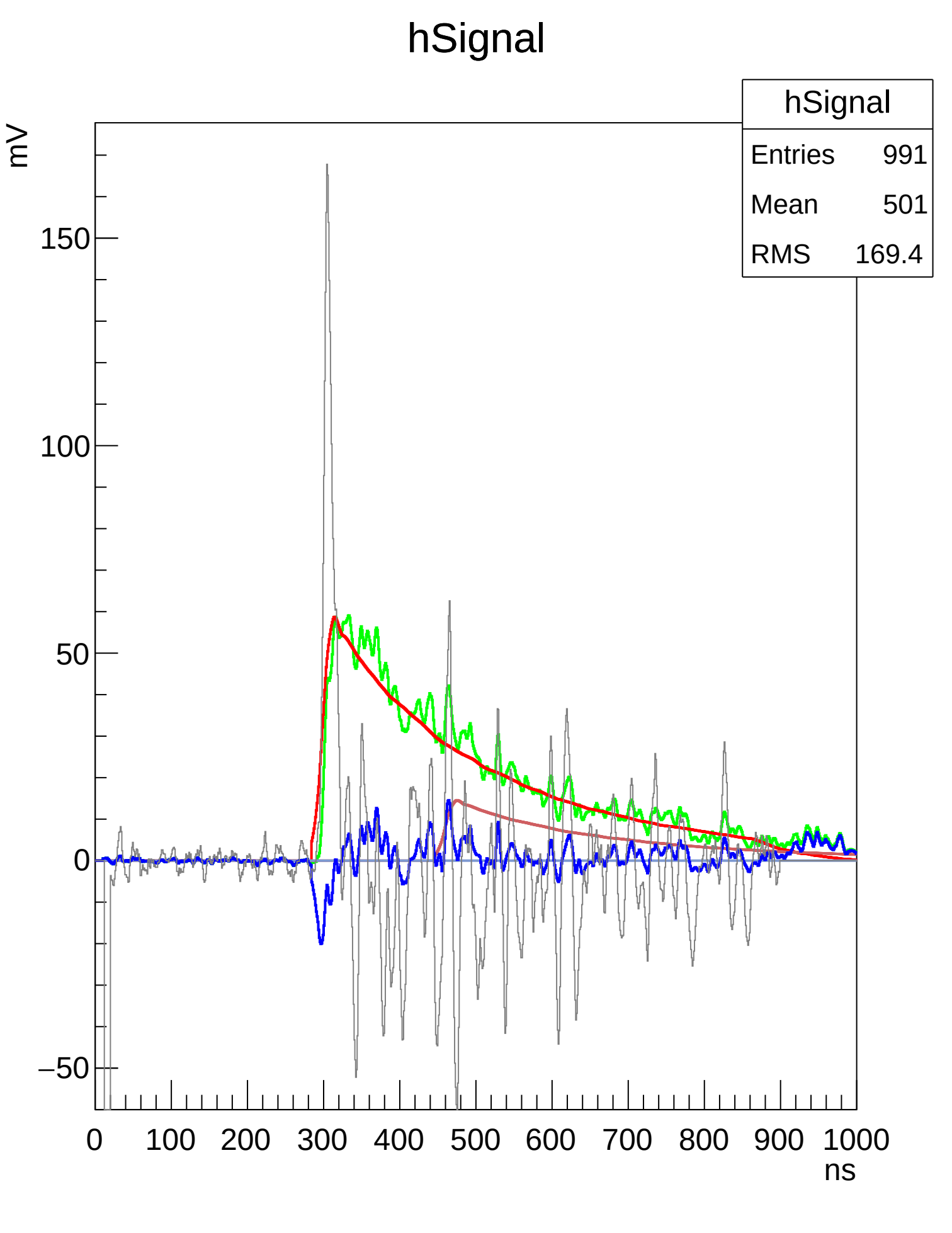
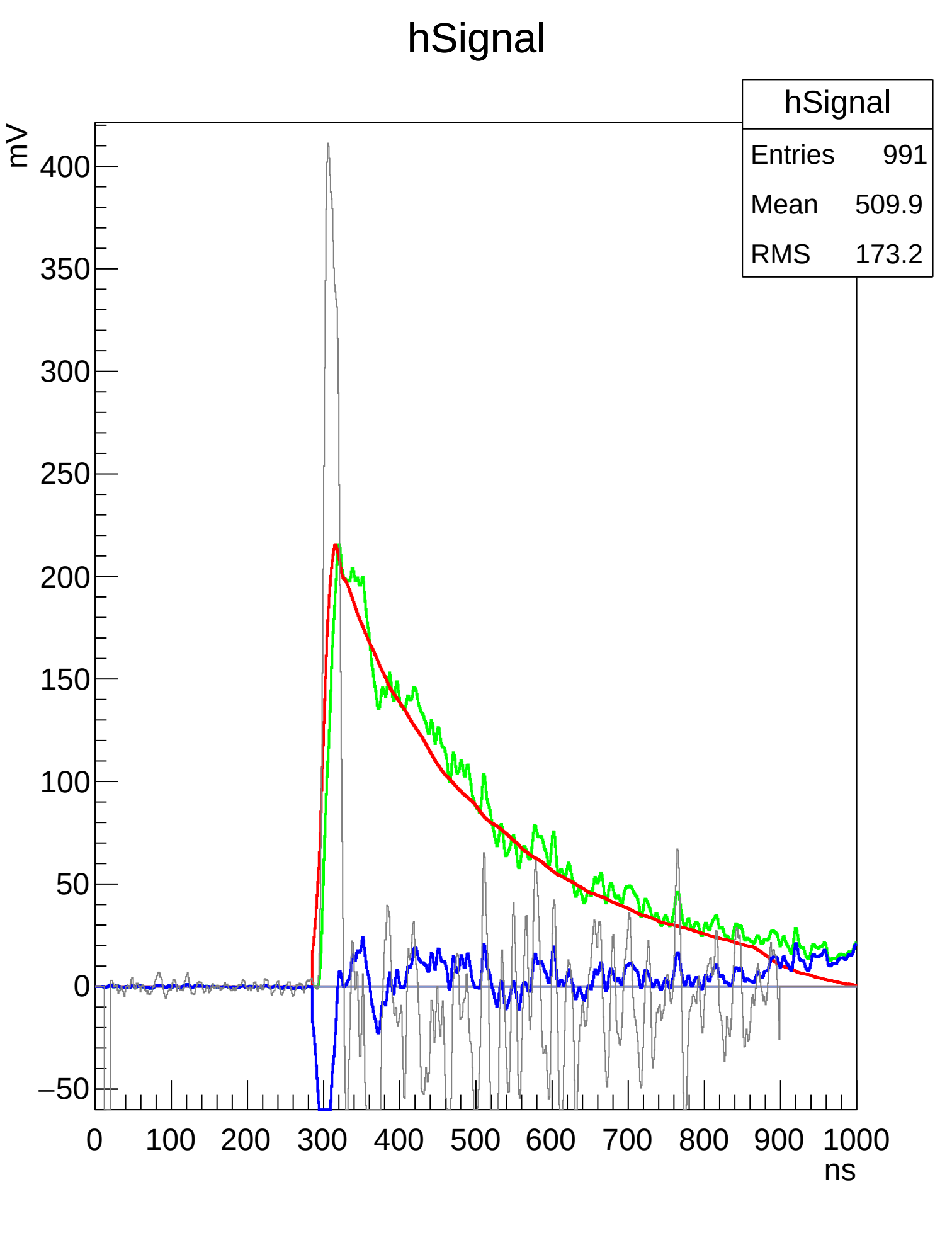
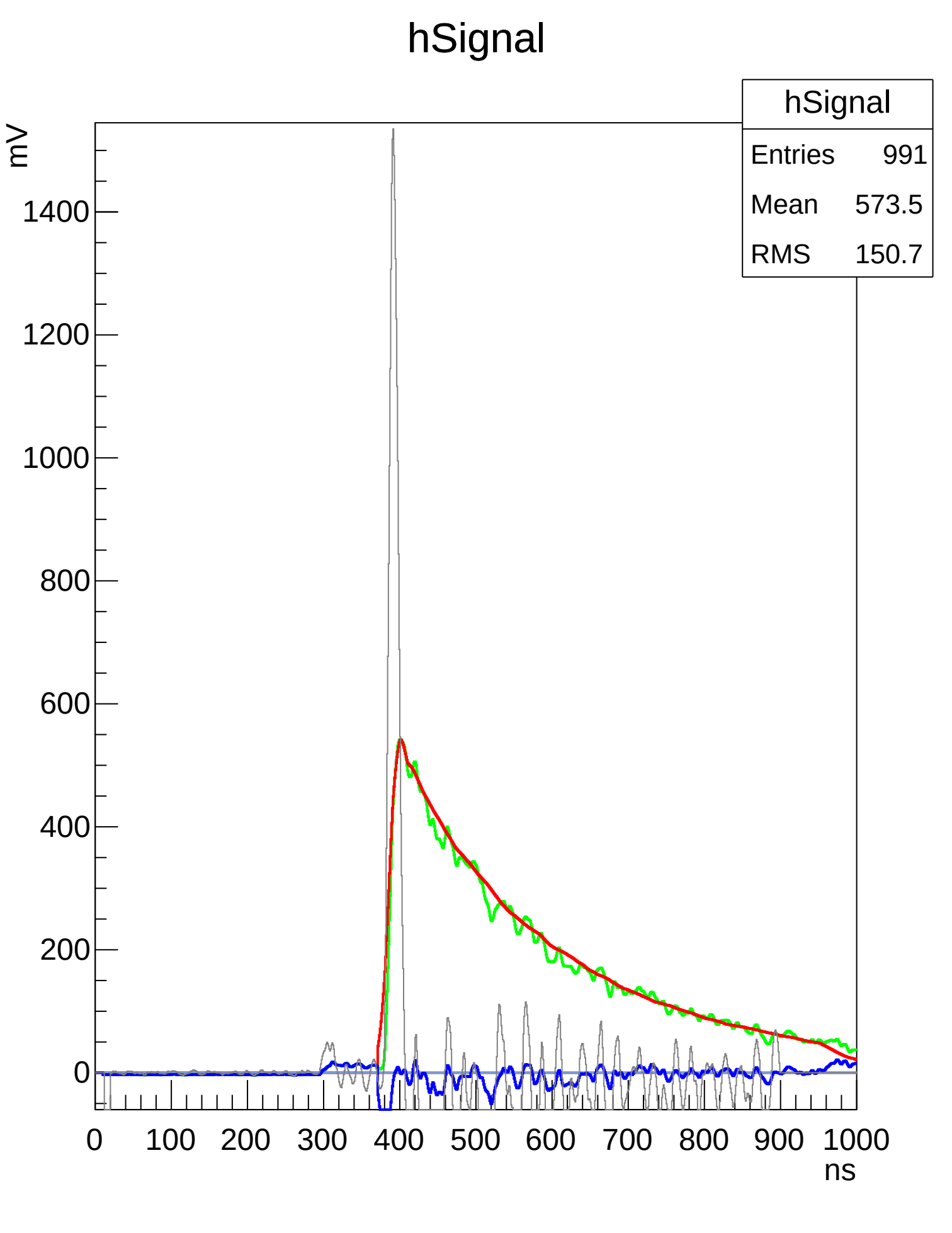
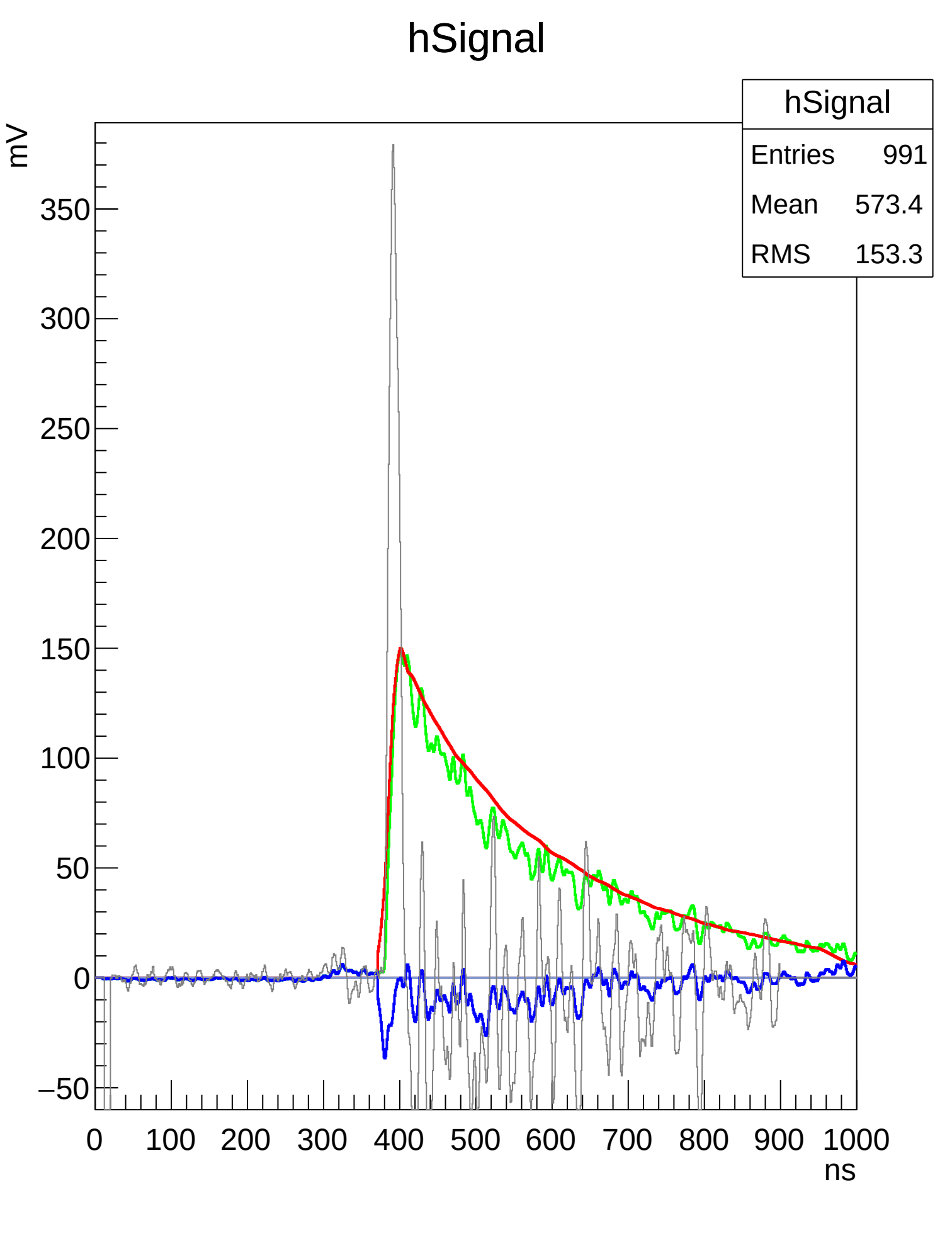
600
700
800
900
1000
ns

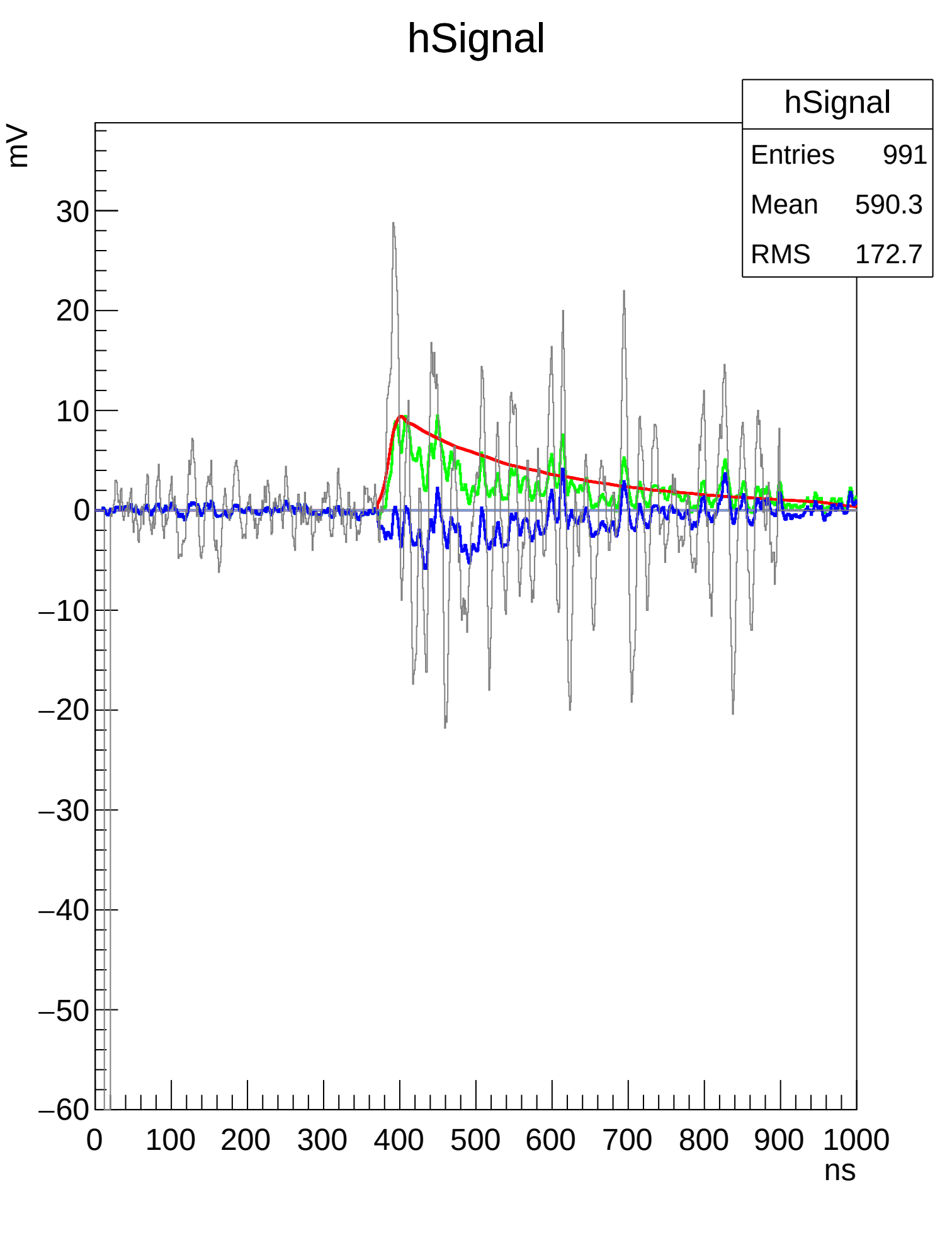

hSignal
hSignal
Entries 991
Mean 515
RMS 184.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

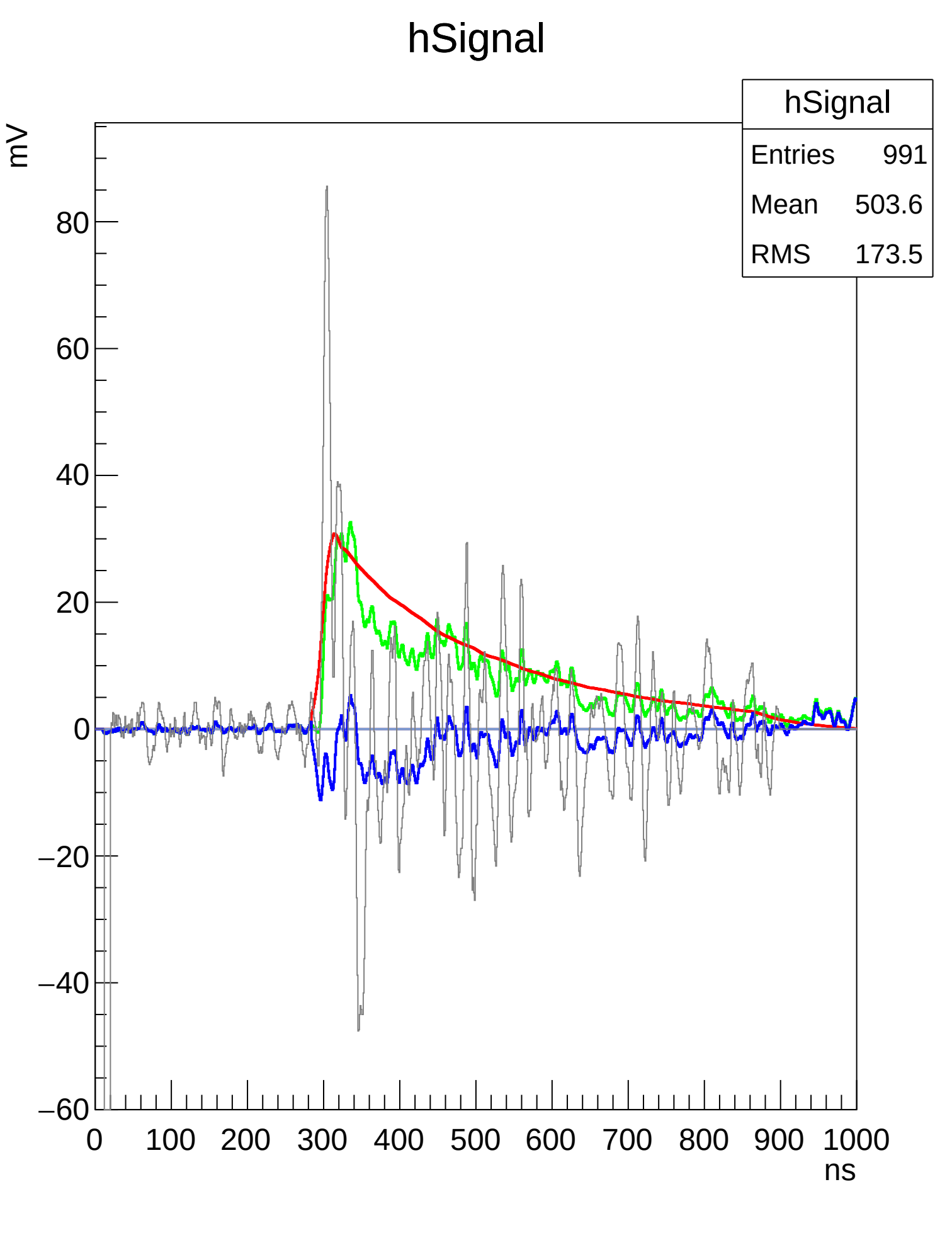

hSignal
hSignal
Entries 991
Mean 501
RMS 169.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.9
RMS 173.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.5
RMS 150.7
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.4
RMS 153.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.3
RMS 172.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.6
RMS 173.5
mV
80
60
40
20
0
−20
−40
−60
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100
200
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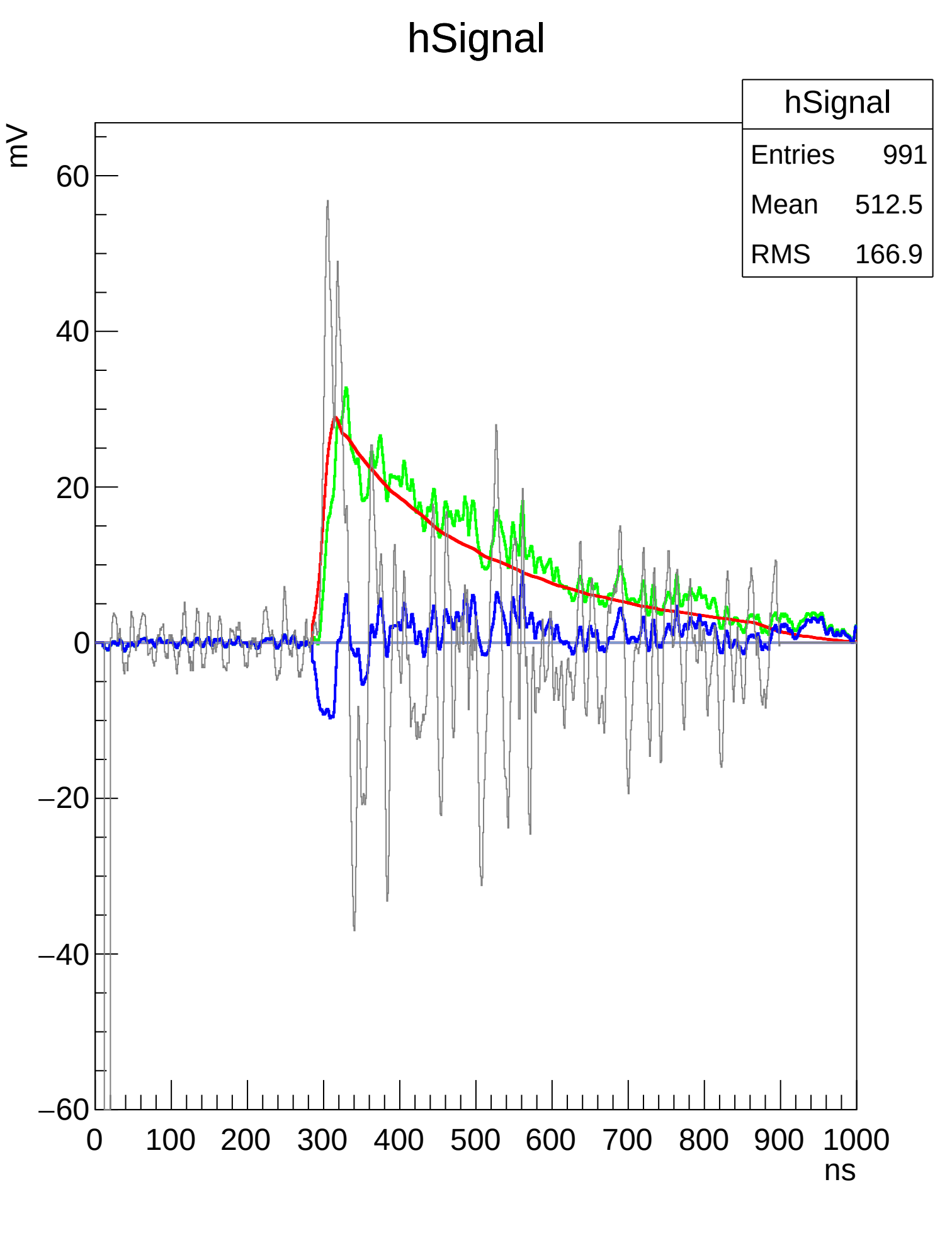
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.5
RMS 166.9
mV
60
40
20
0
−20
−40
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0
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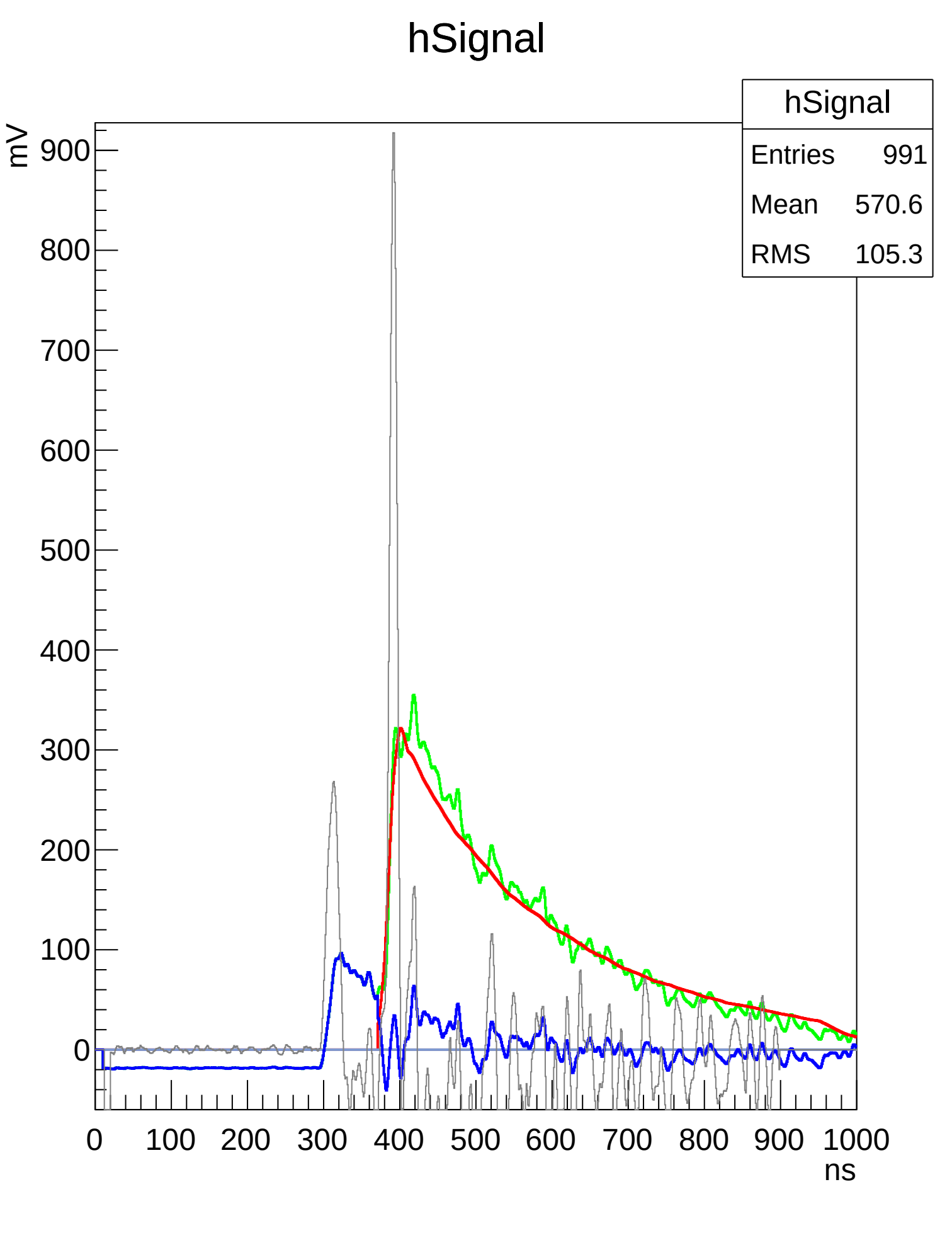
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 105.3
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
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600
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800
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1000
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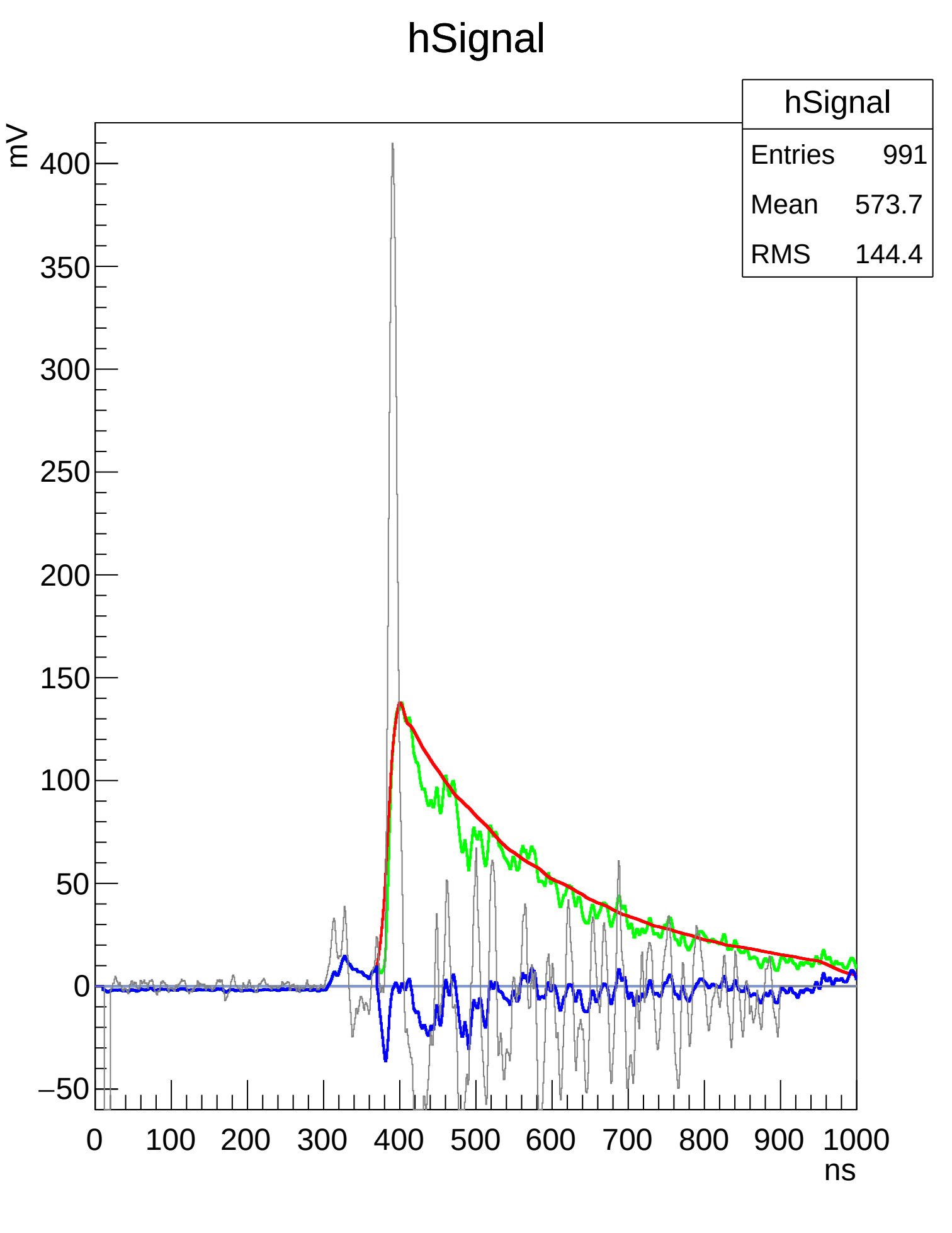
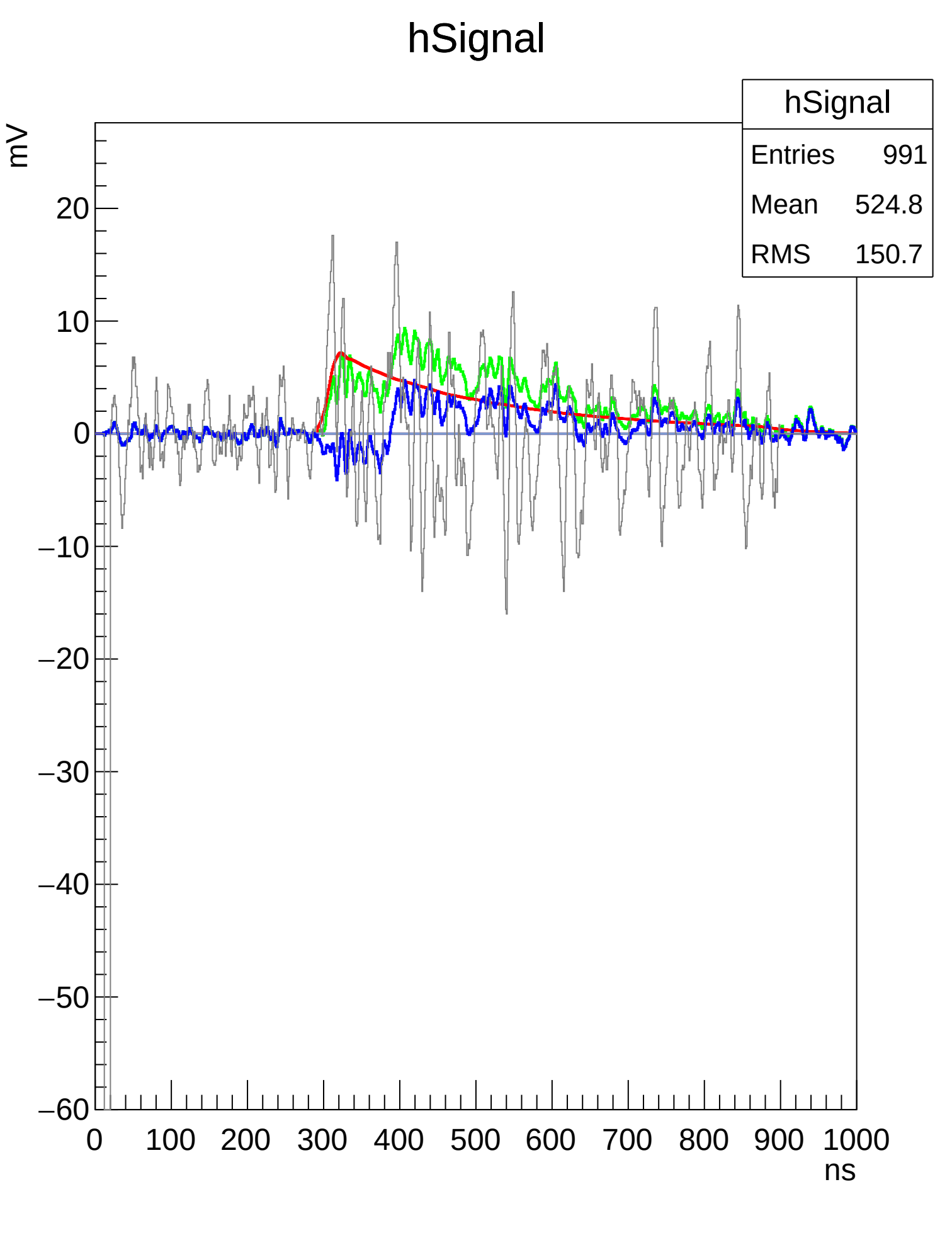

hSignal
hSignal
Entries 991
Mean 573.7
RMS 144.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.8
RMS 150.7
mV
20
10
0
−10
−20
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−40
−50
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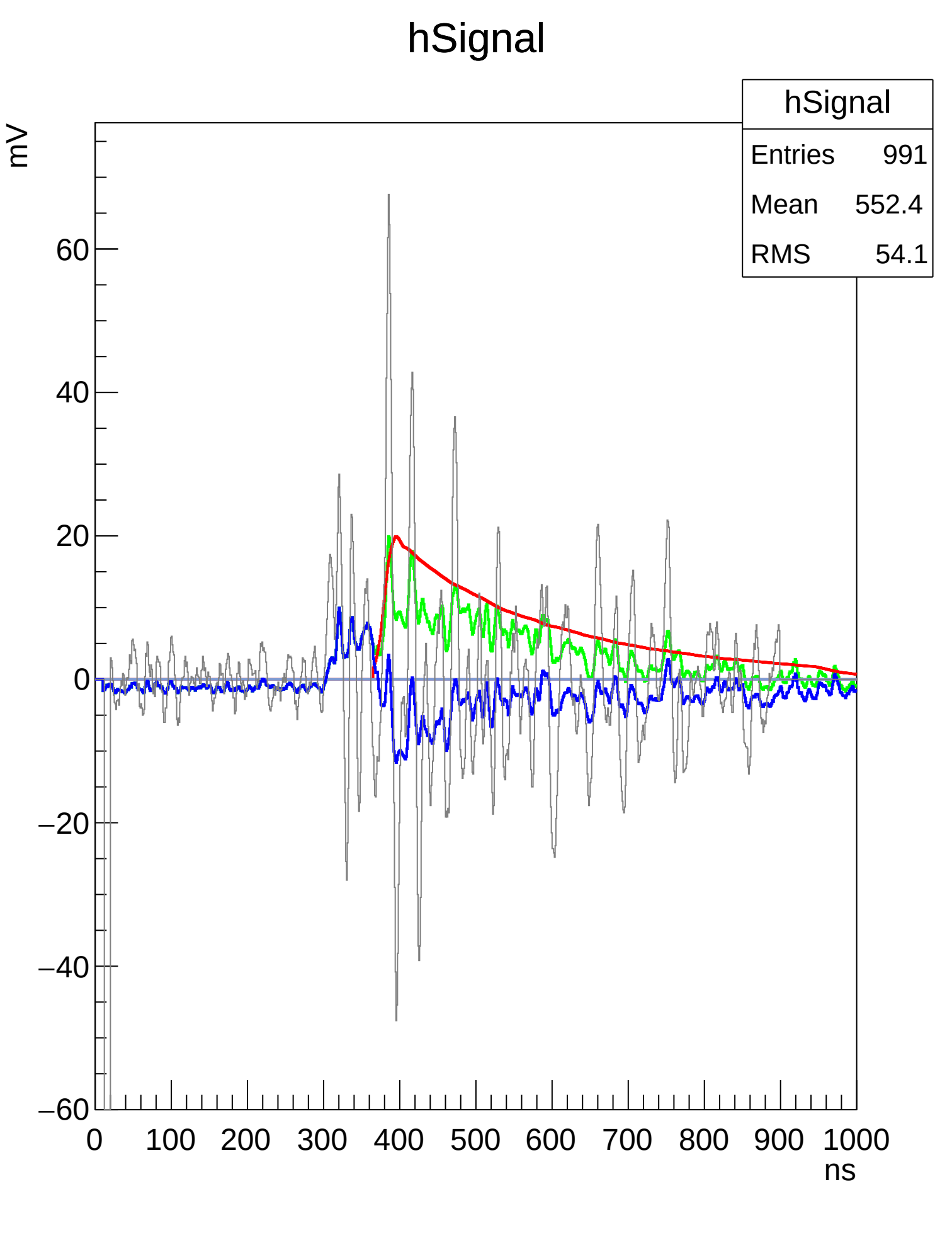
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.4
RMS 54.1
mV
60
40
20
0
−20
−40
−60
0
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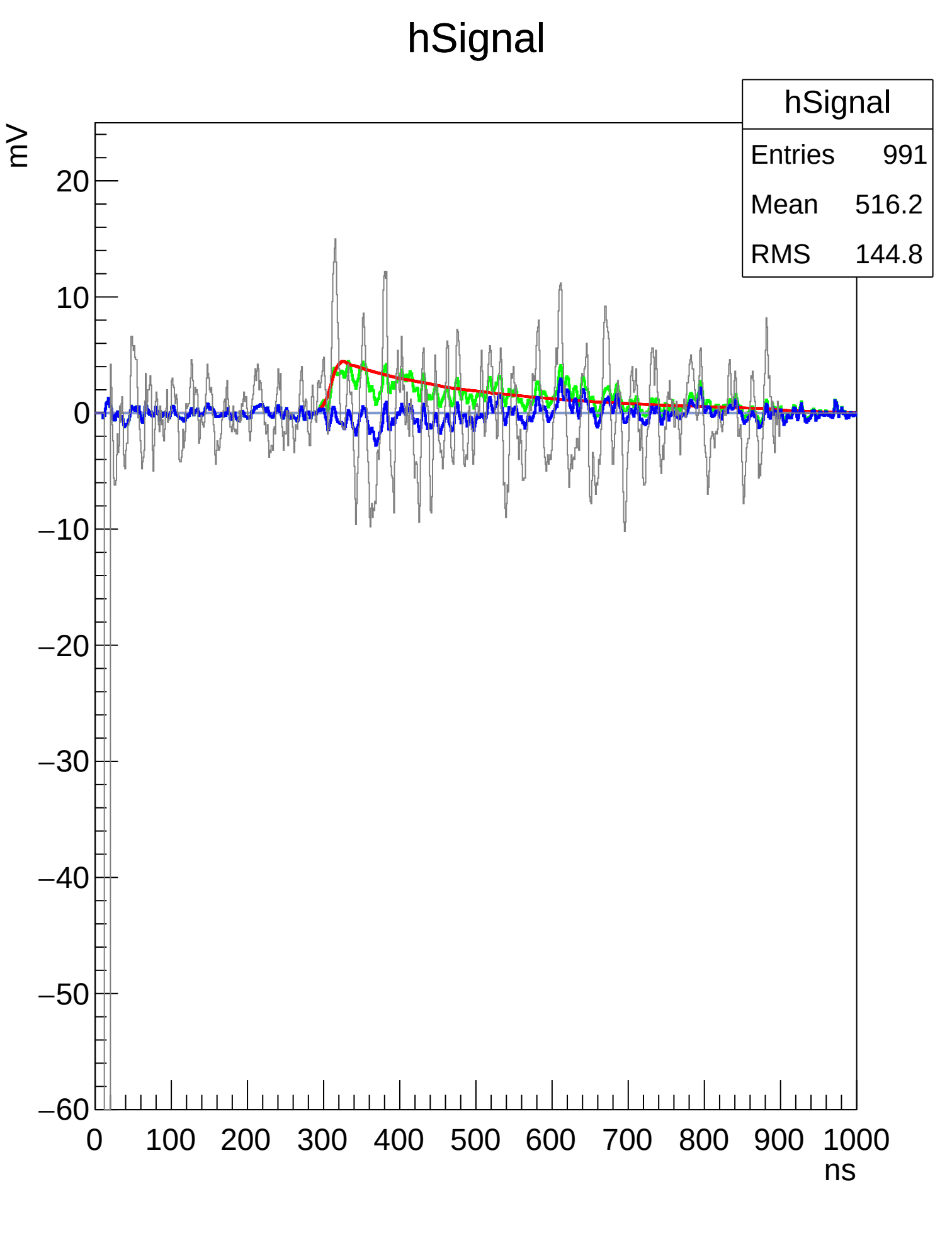
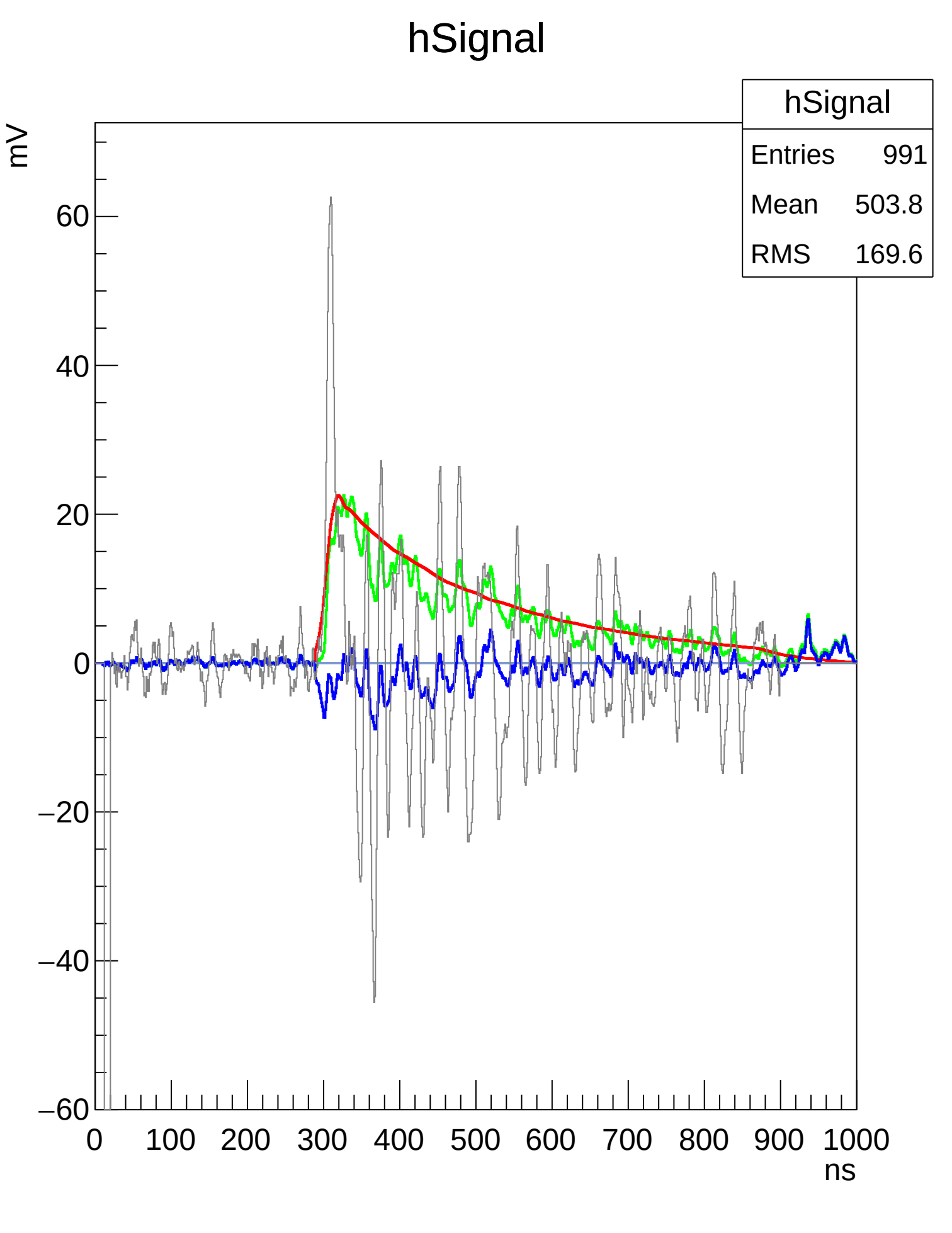
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.2
RMS 144.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.8
RMS 169.6
mV
60
40
20
0
−20
−40
−60
0
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200
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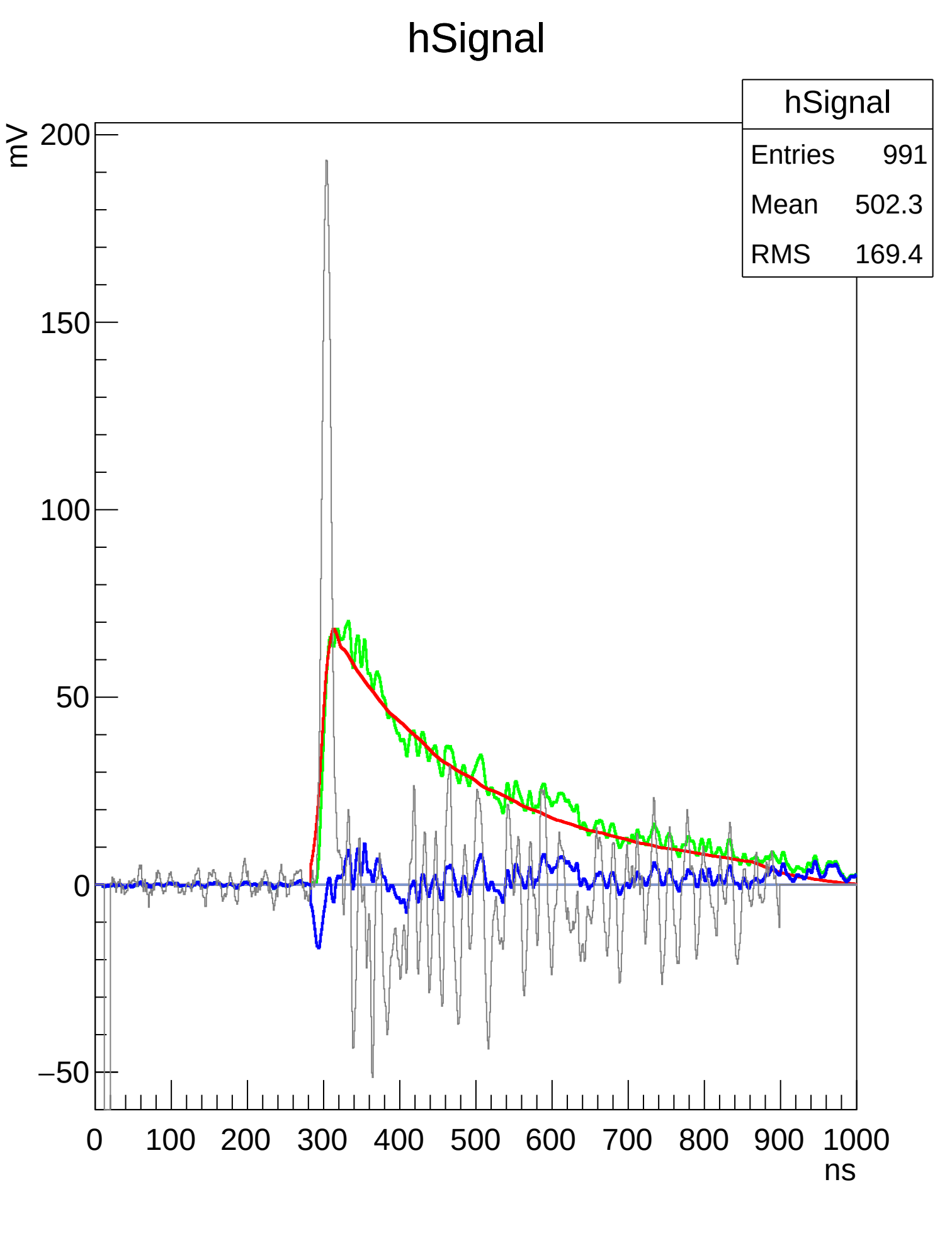
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.3
RMS 169.4
mV
200
150
100
50
0
−50
0
100
200
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400
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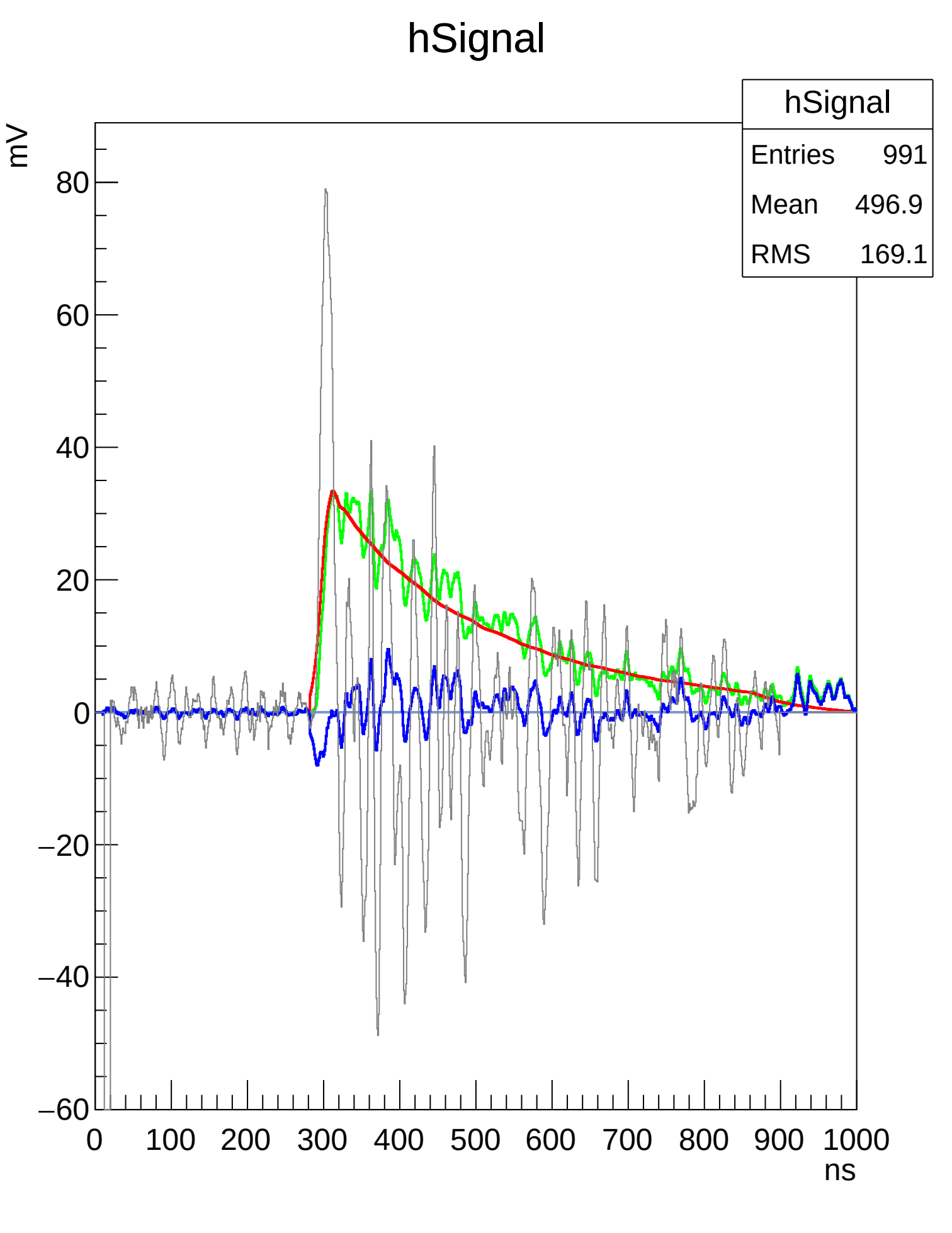
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496.9
RMS 169.1
mV
80
60
40
20
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−20
−40
−60
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200
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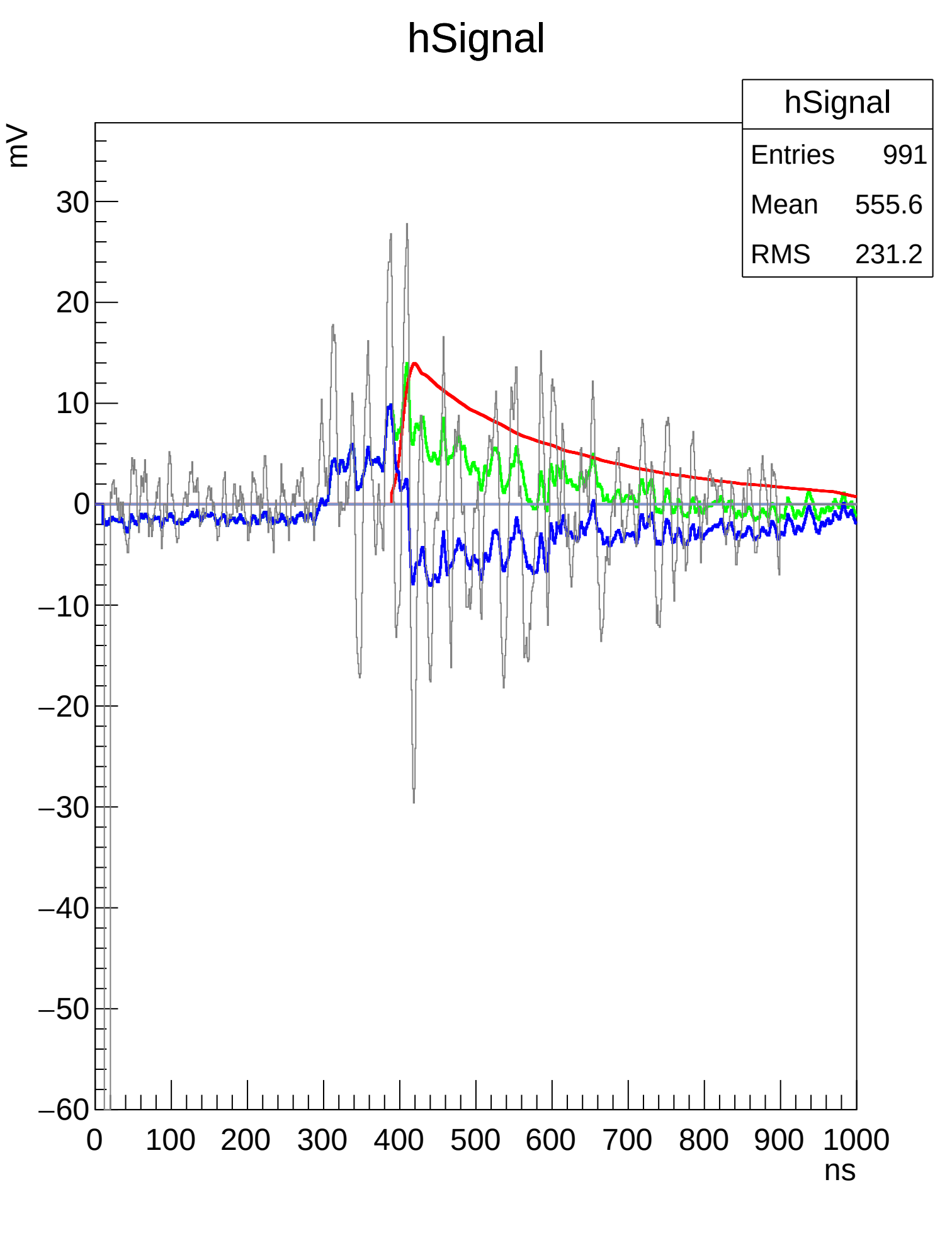
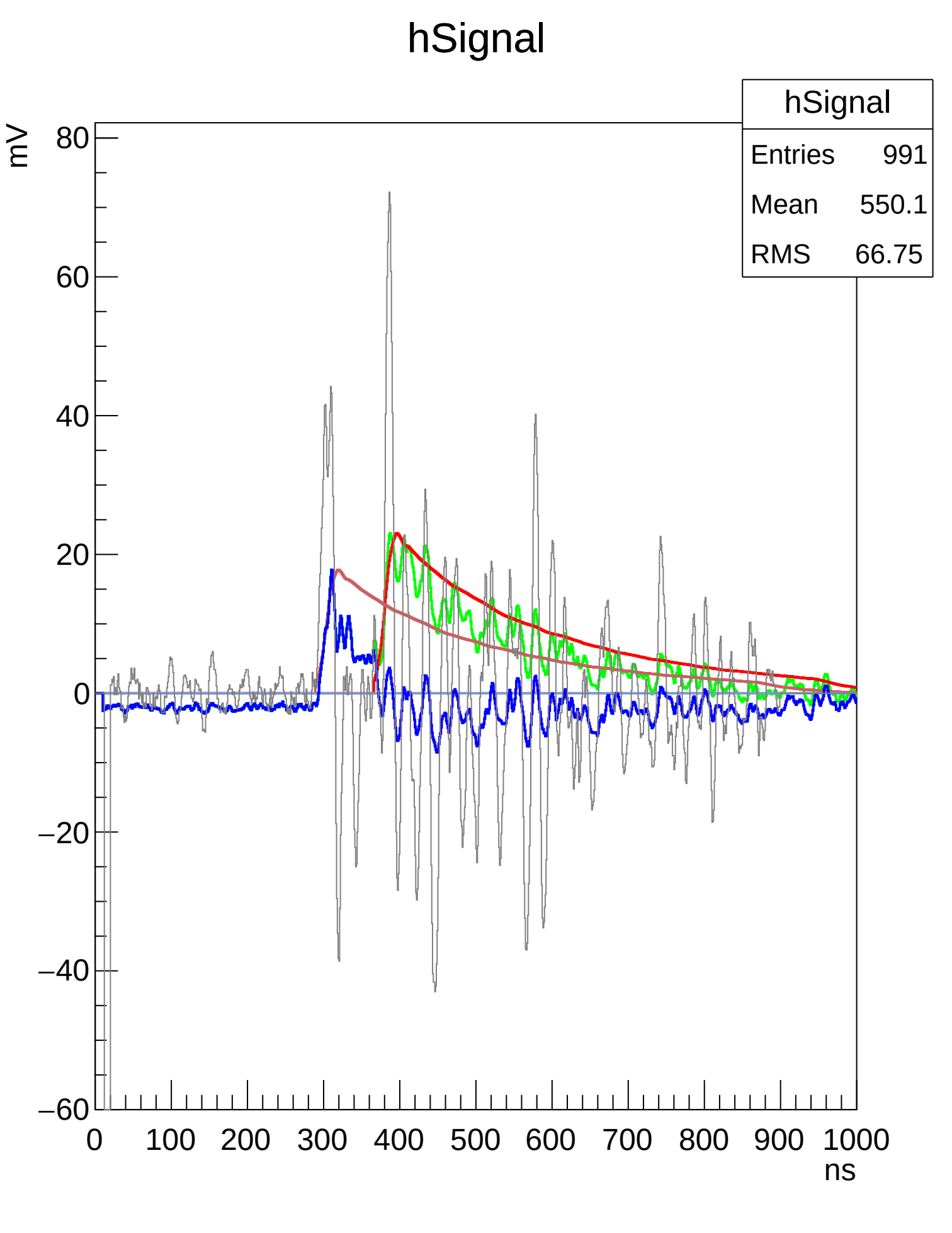
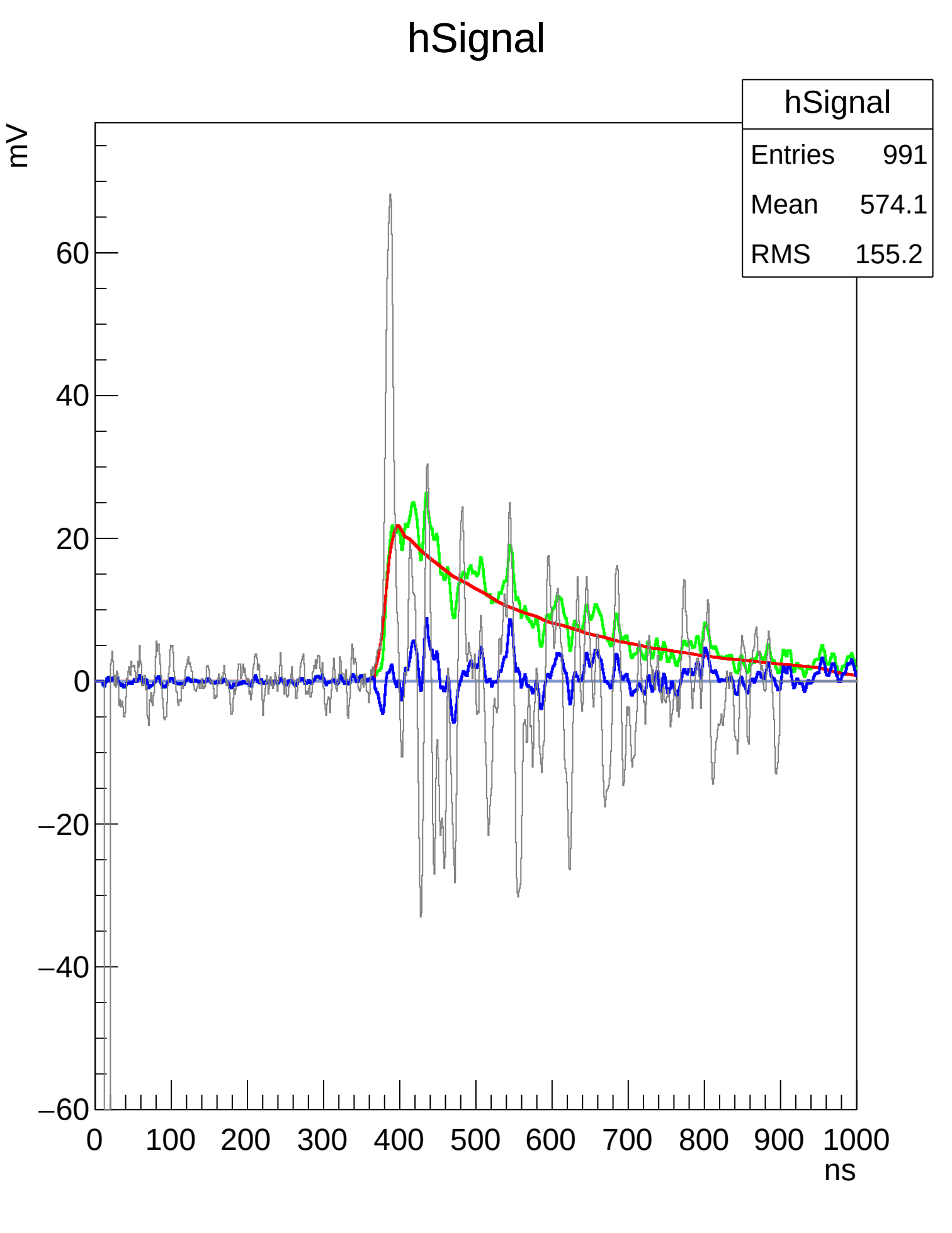
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.6
RMS 231.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.1
RMS 66.75
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.1
RMS 155.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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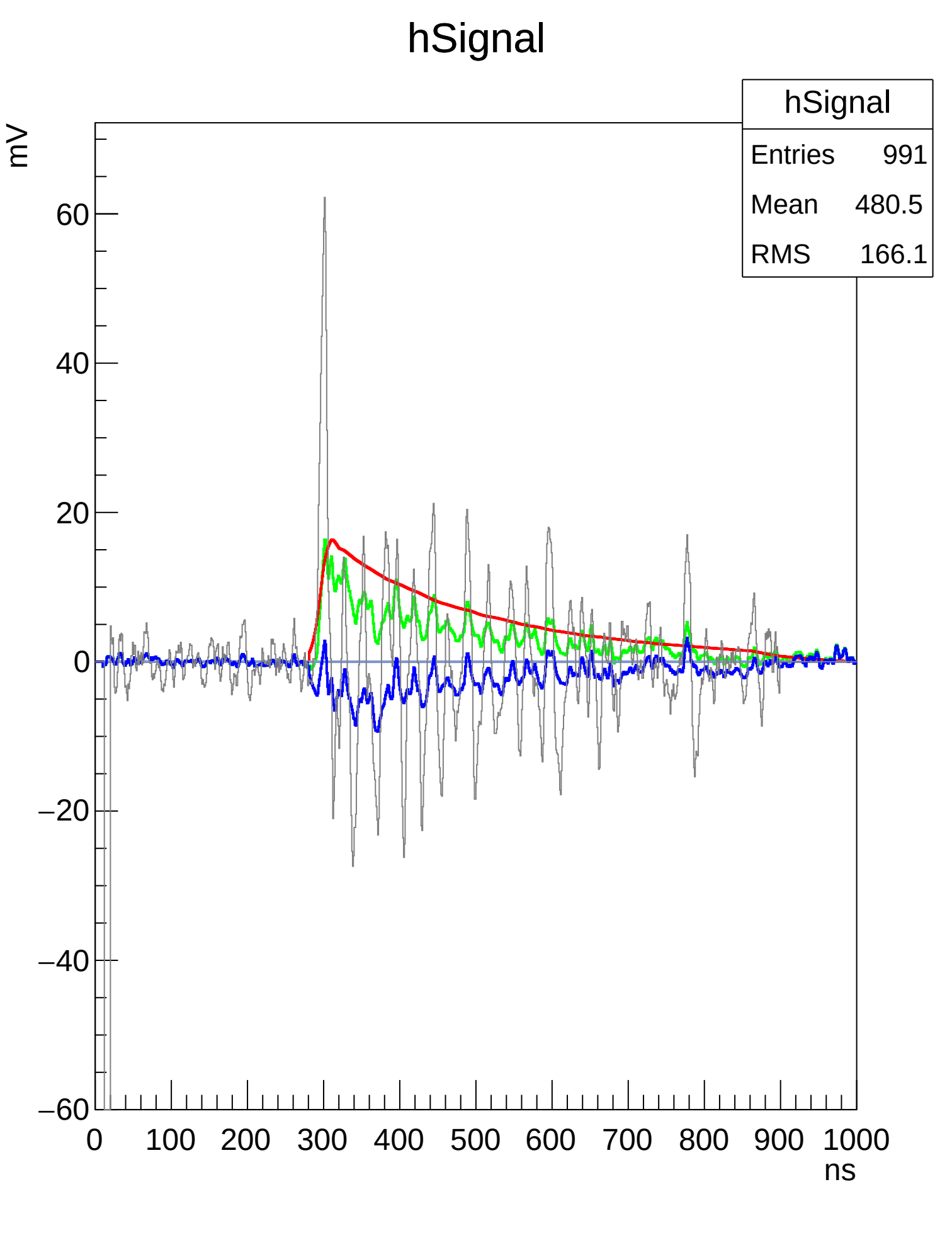
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.5
RMS 166.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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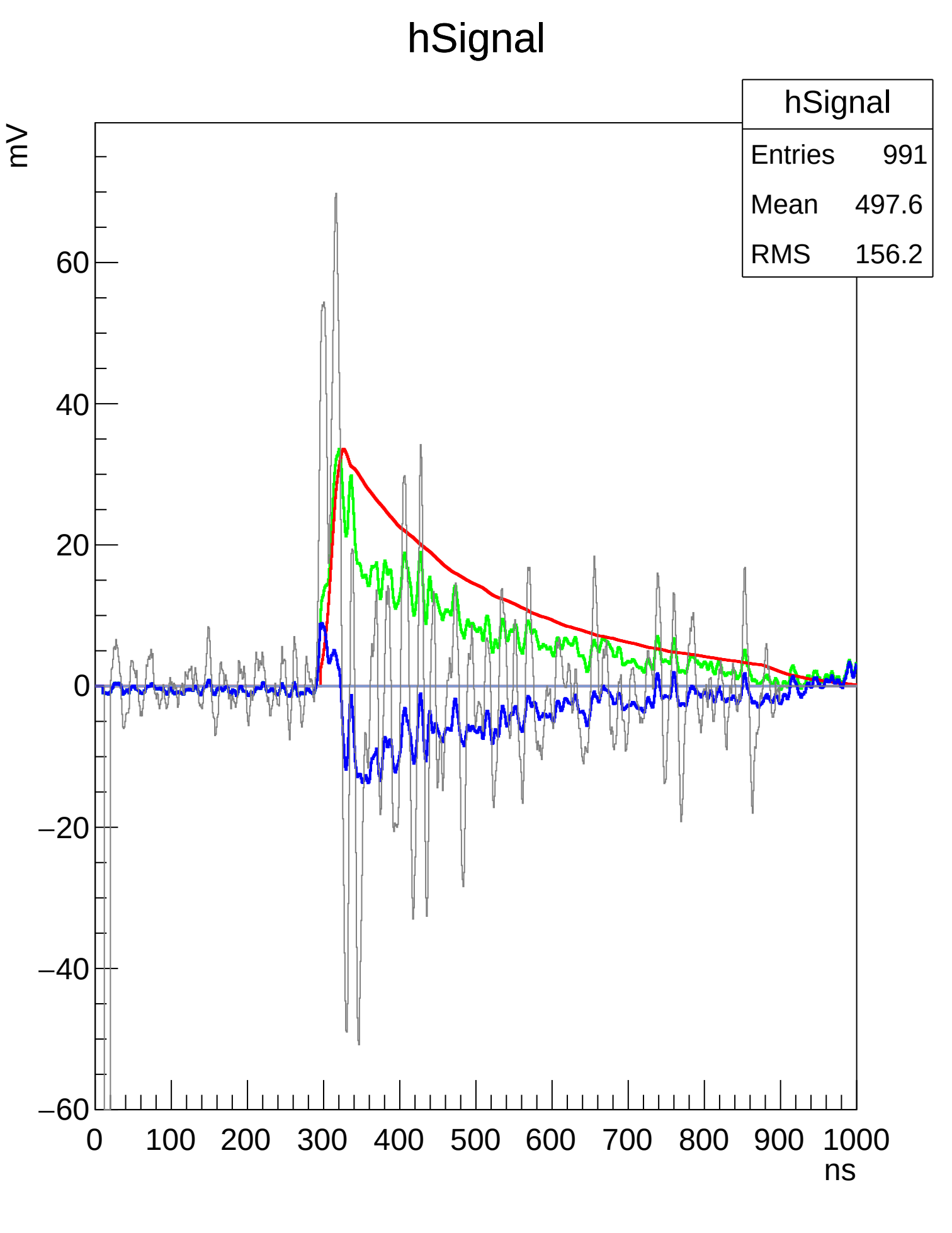
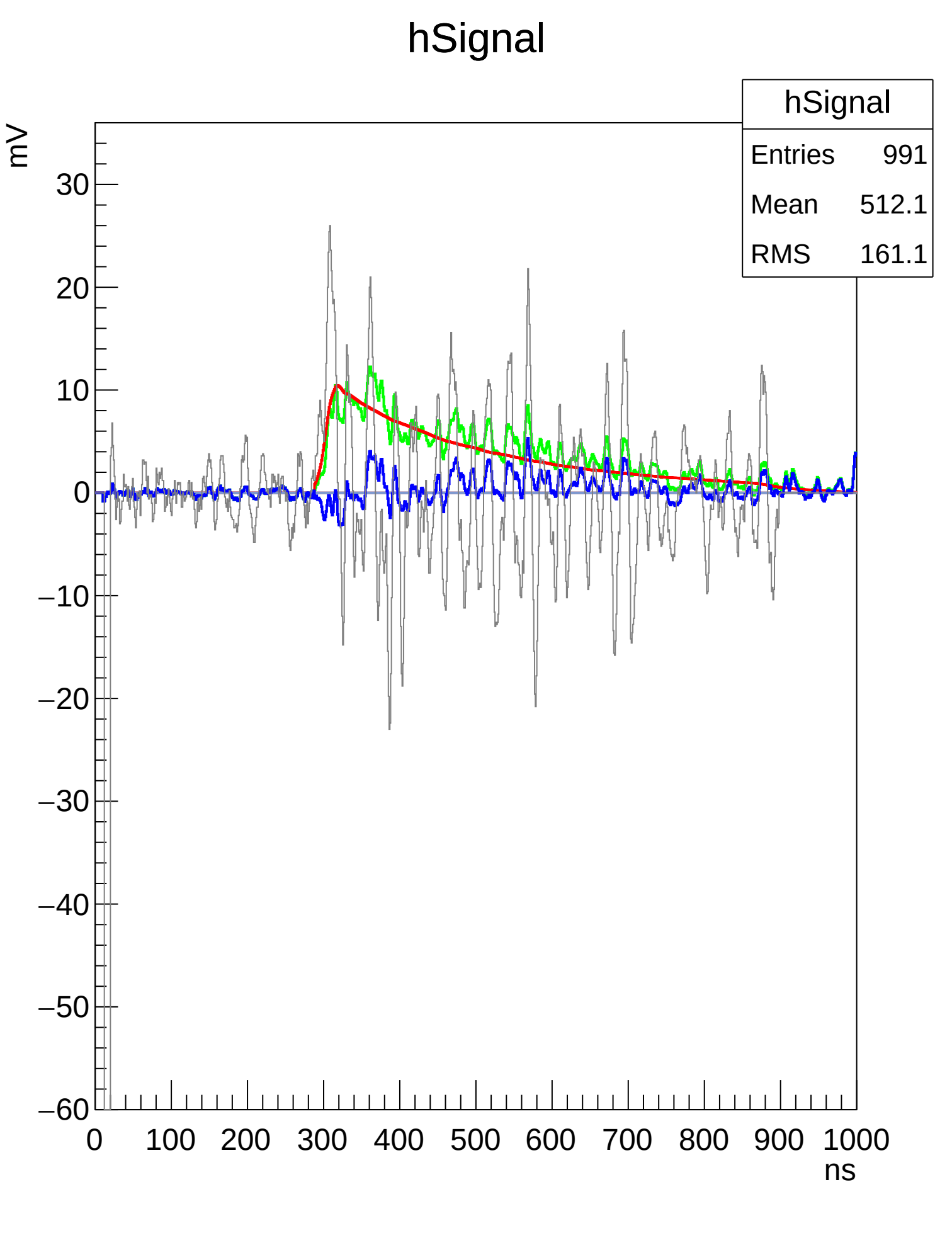
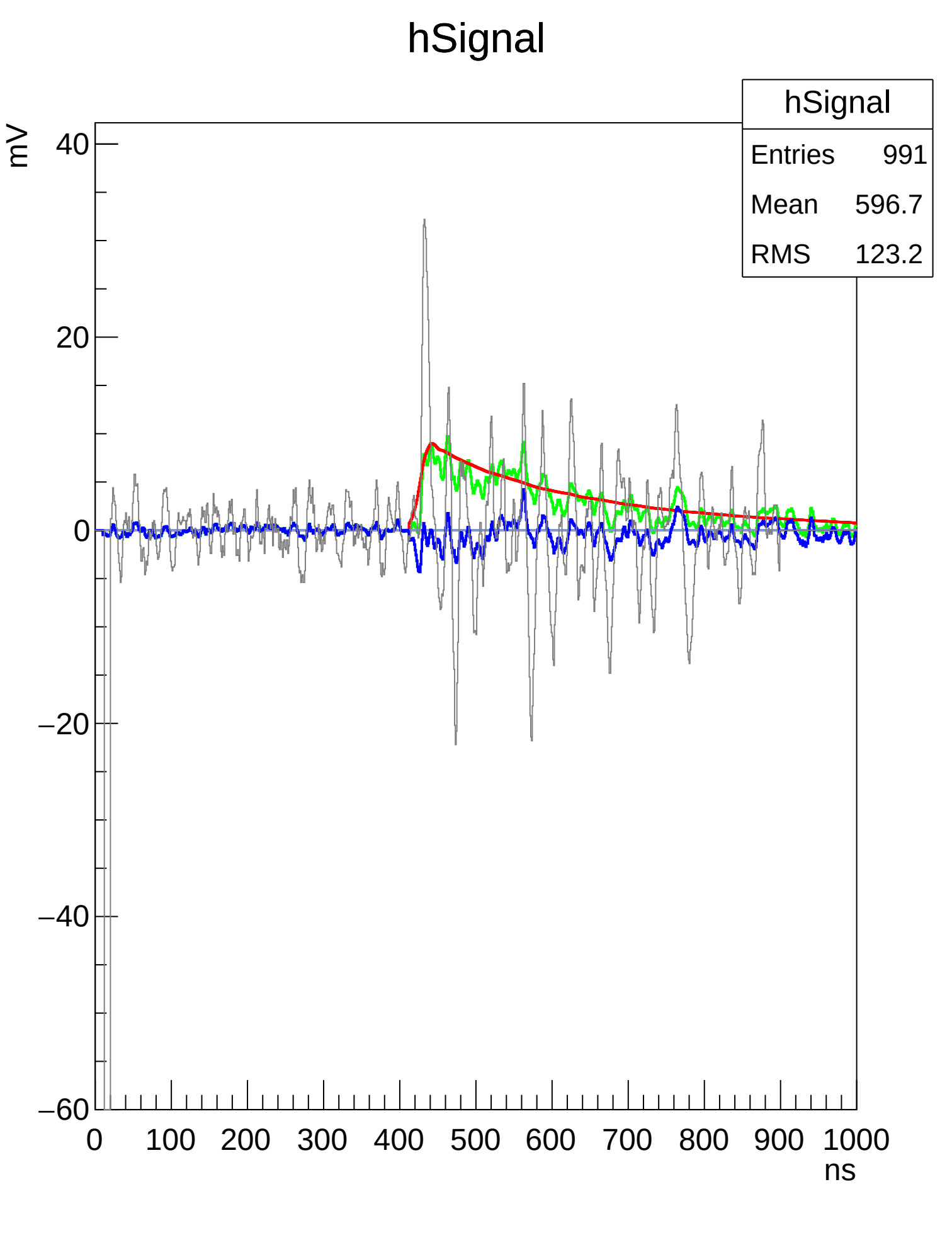
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.6
RMS 156.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.1
RMS 161.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.7
RMS 123.2
mV
40
20
0
−20
−40
−60
0
100
200
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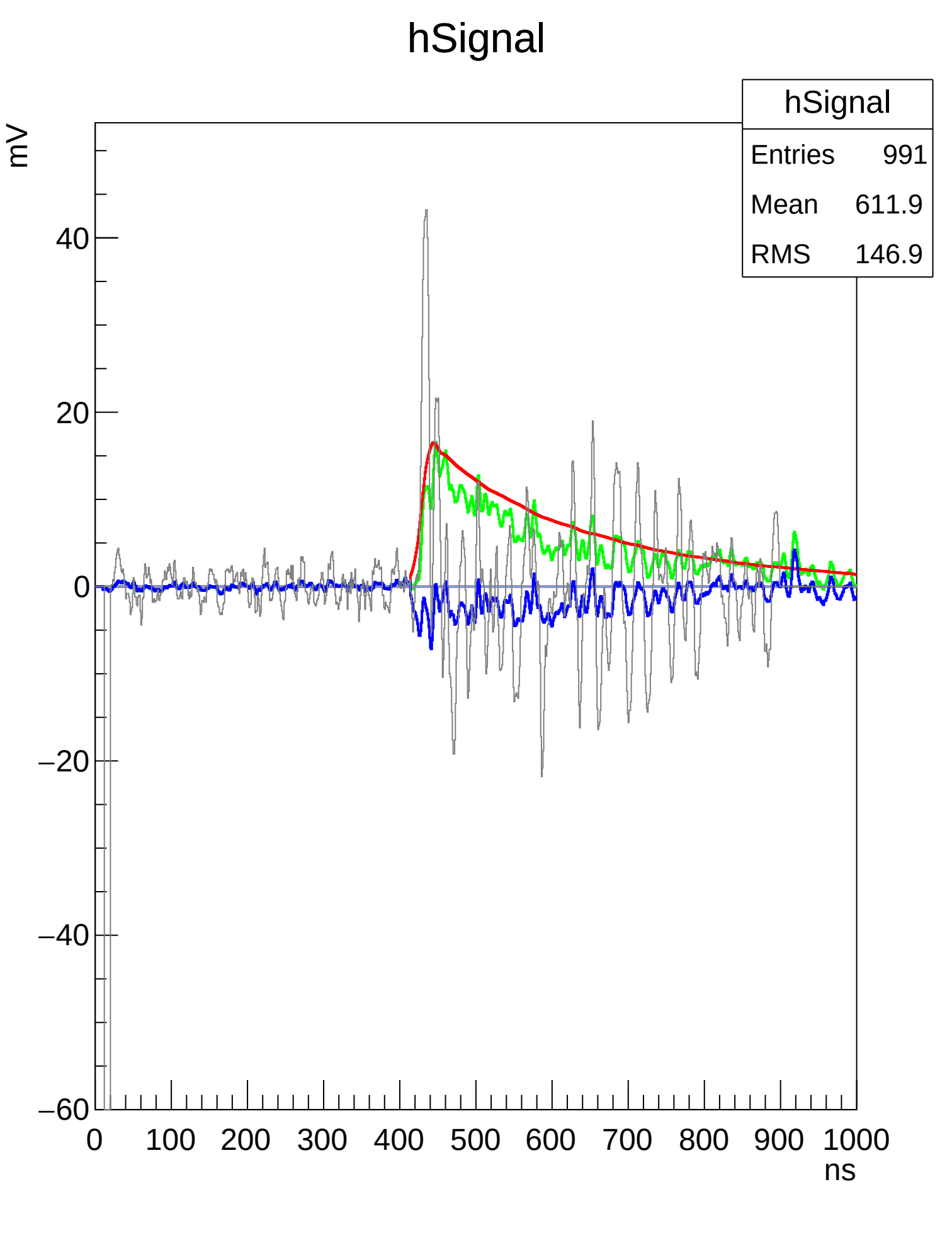
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.9
RMS 146.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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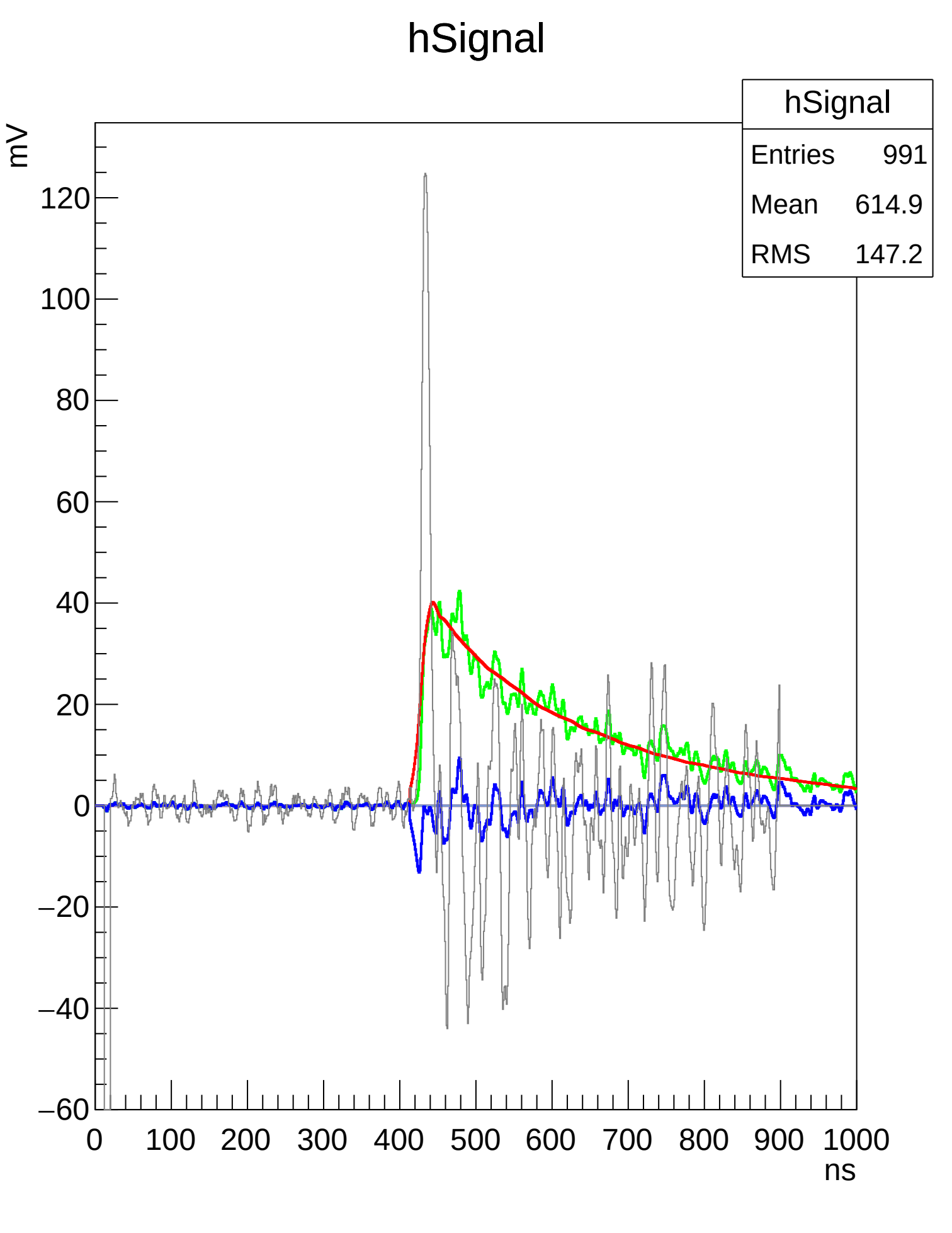
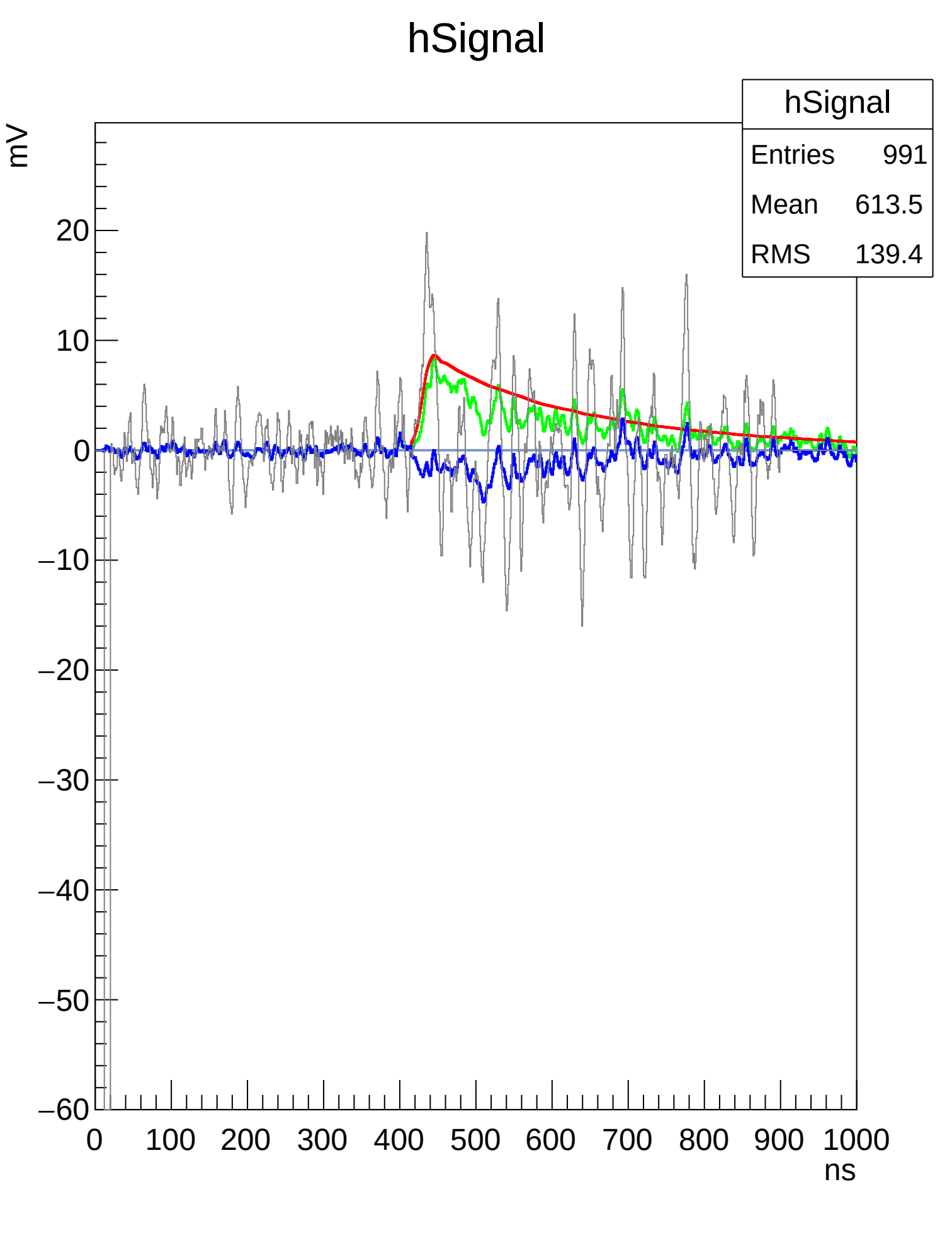
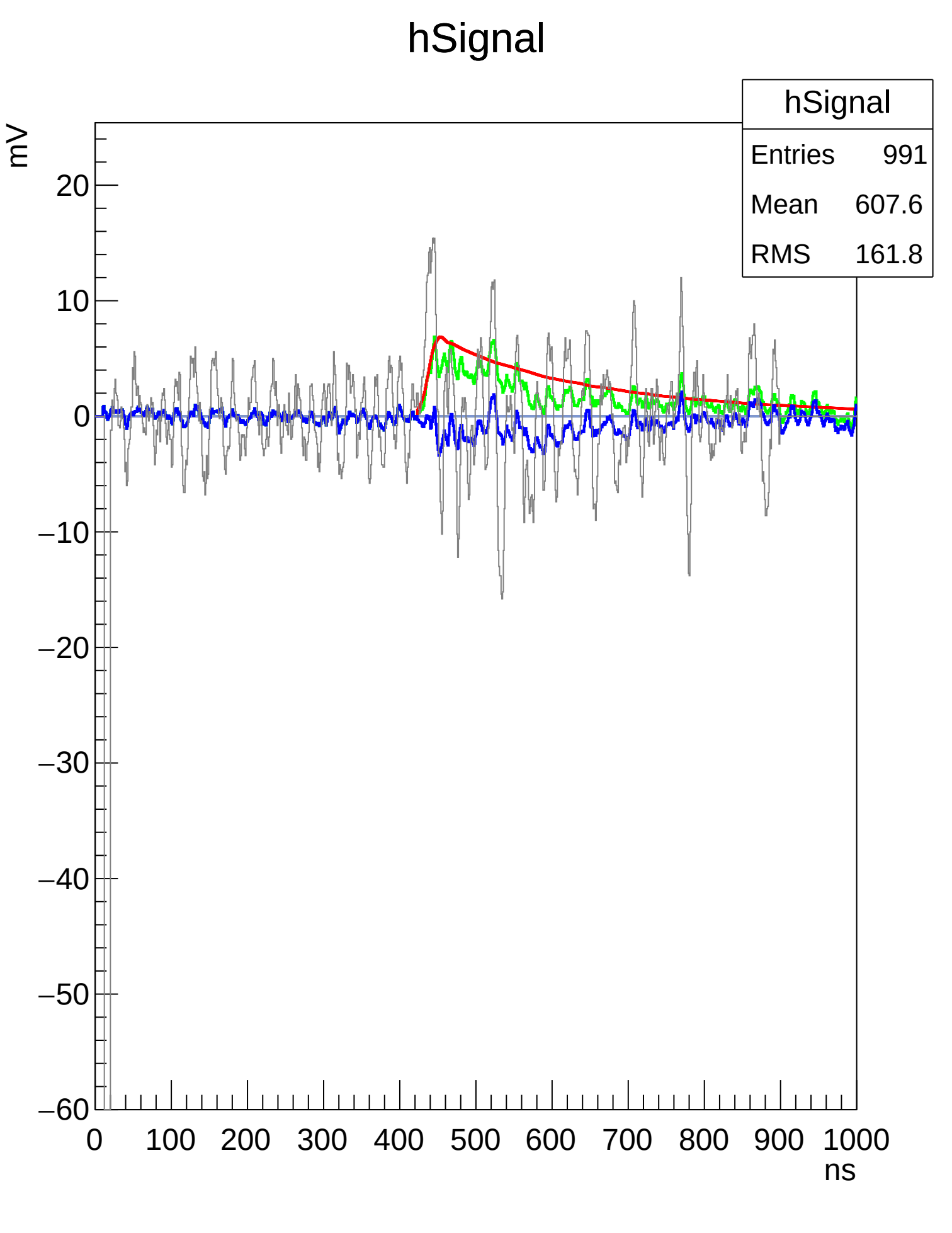
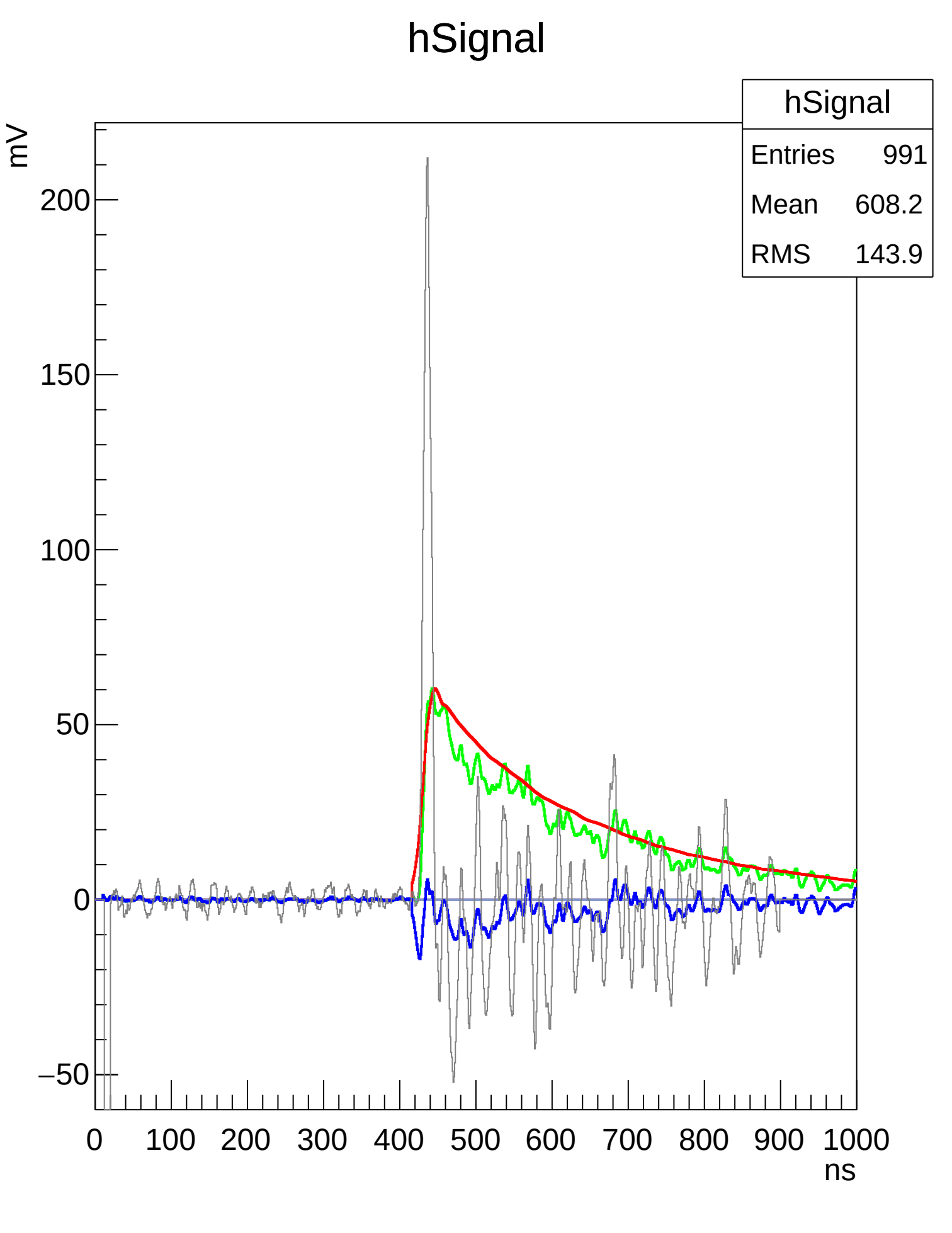
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.9
RMS 147.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.5
RMS 139.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.6
RMS 161.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.2
RMS 143.9
mV
200
150
100
50
0
−50
0
100
200
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400
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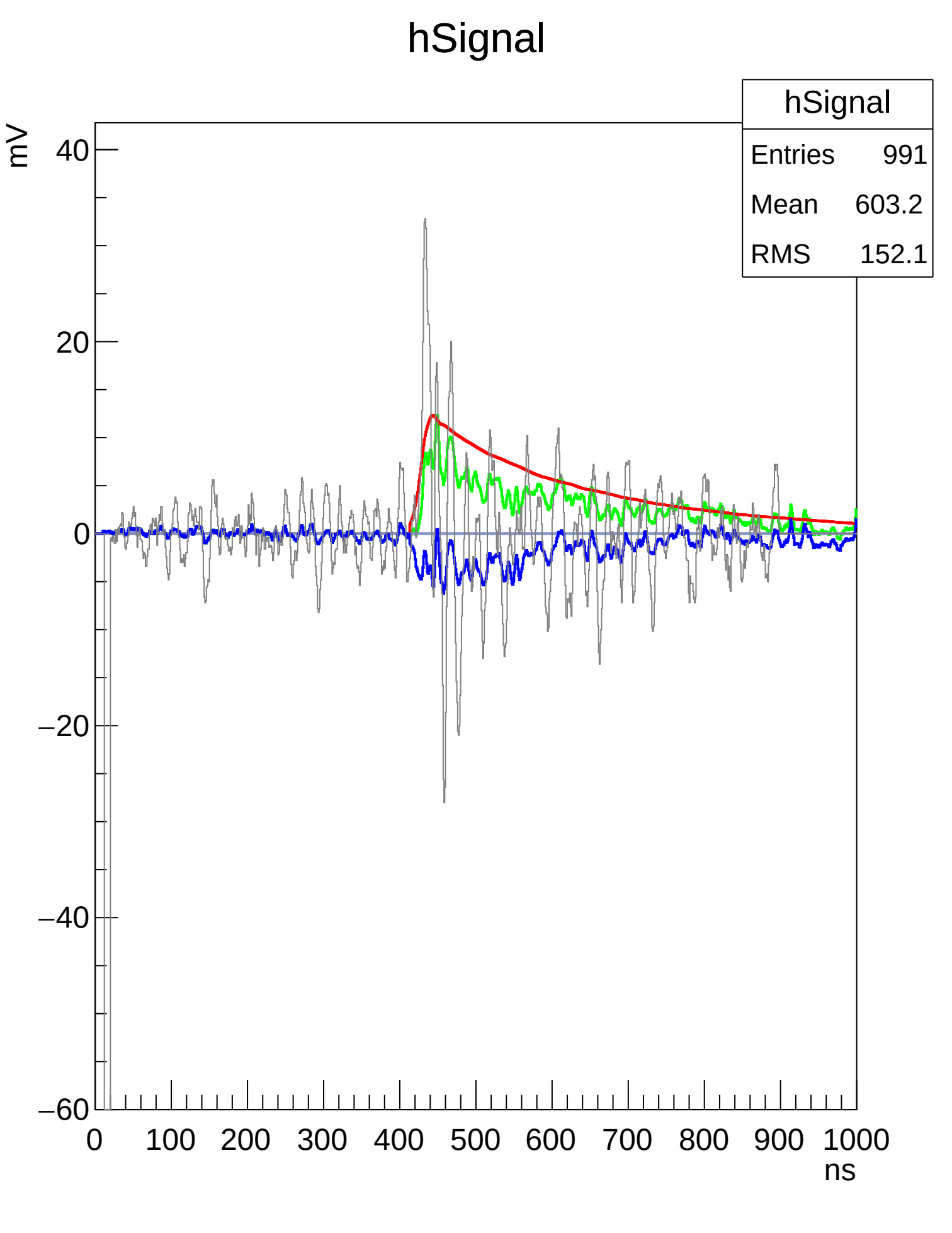
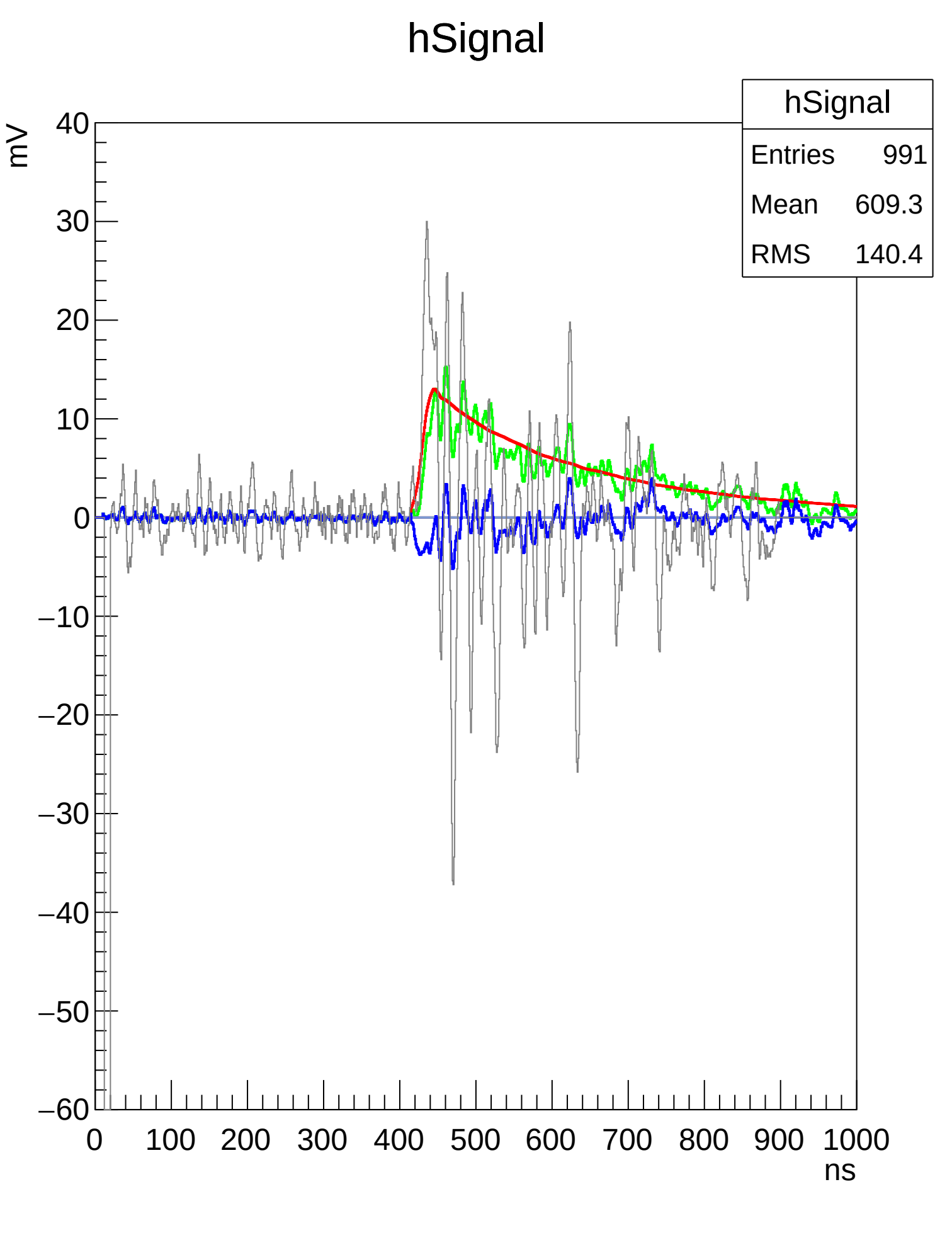
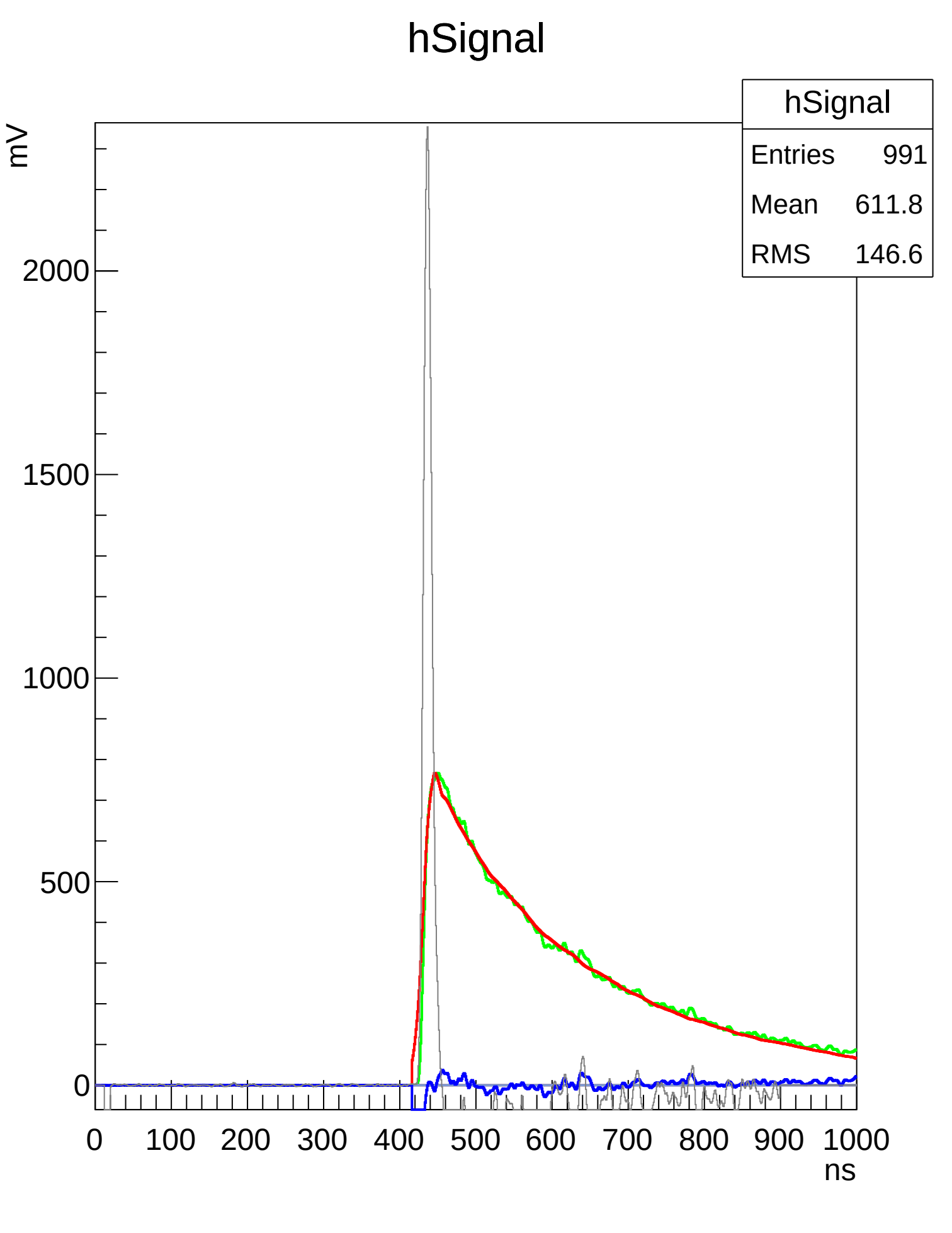
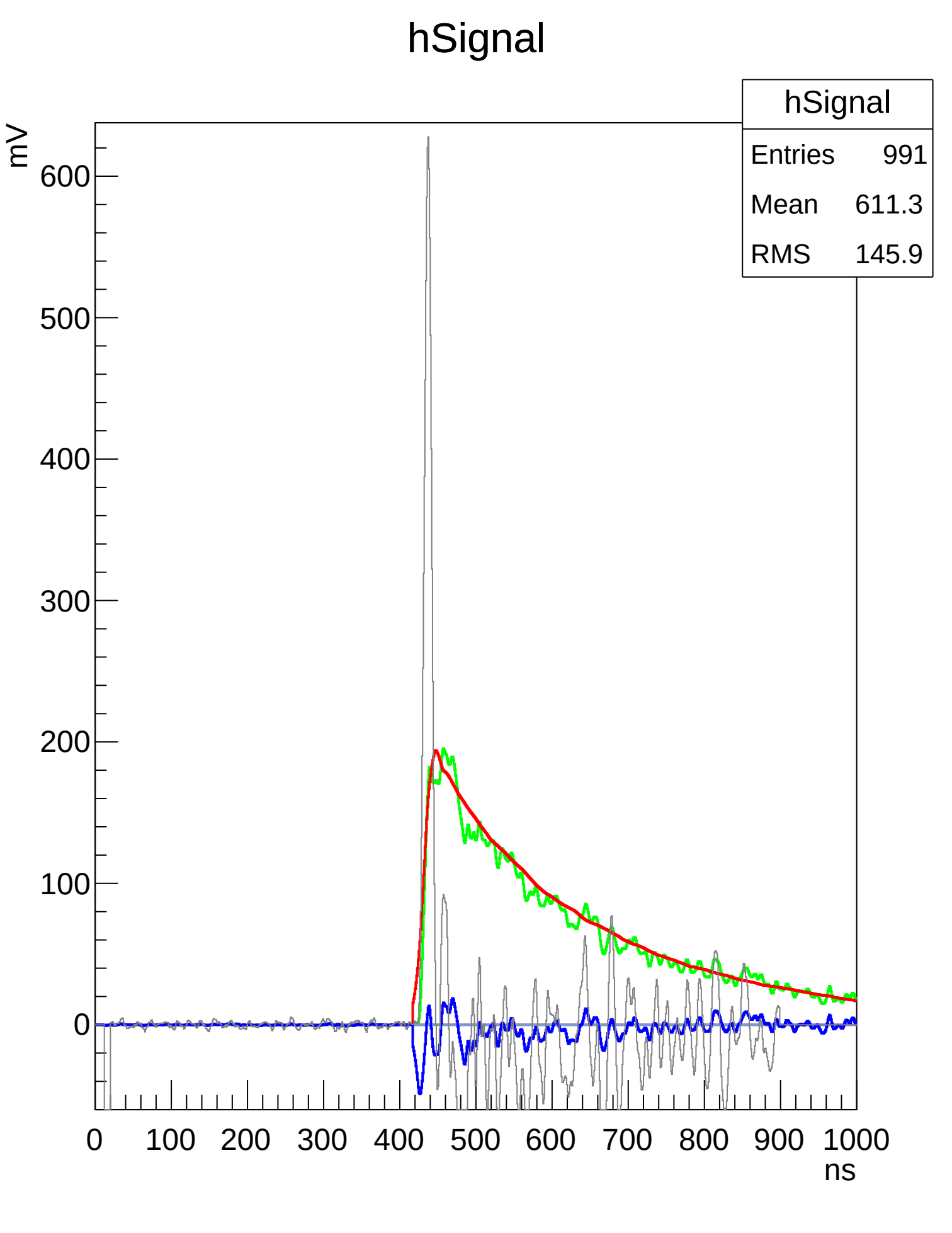
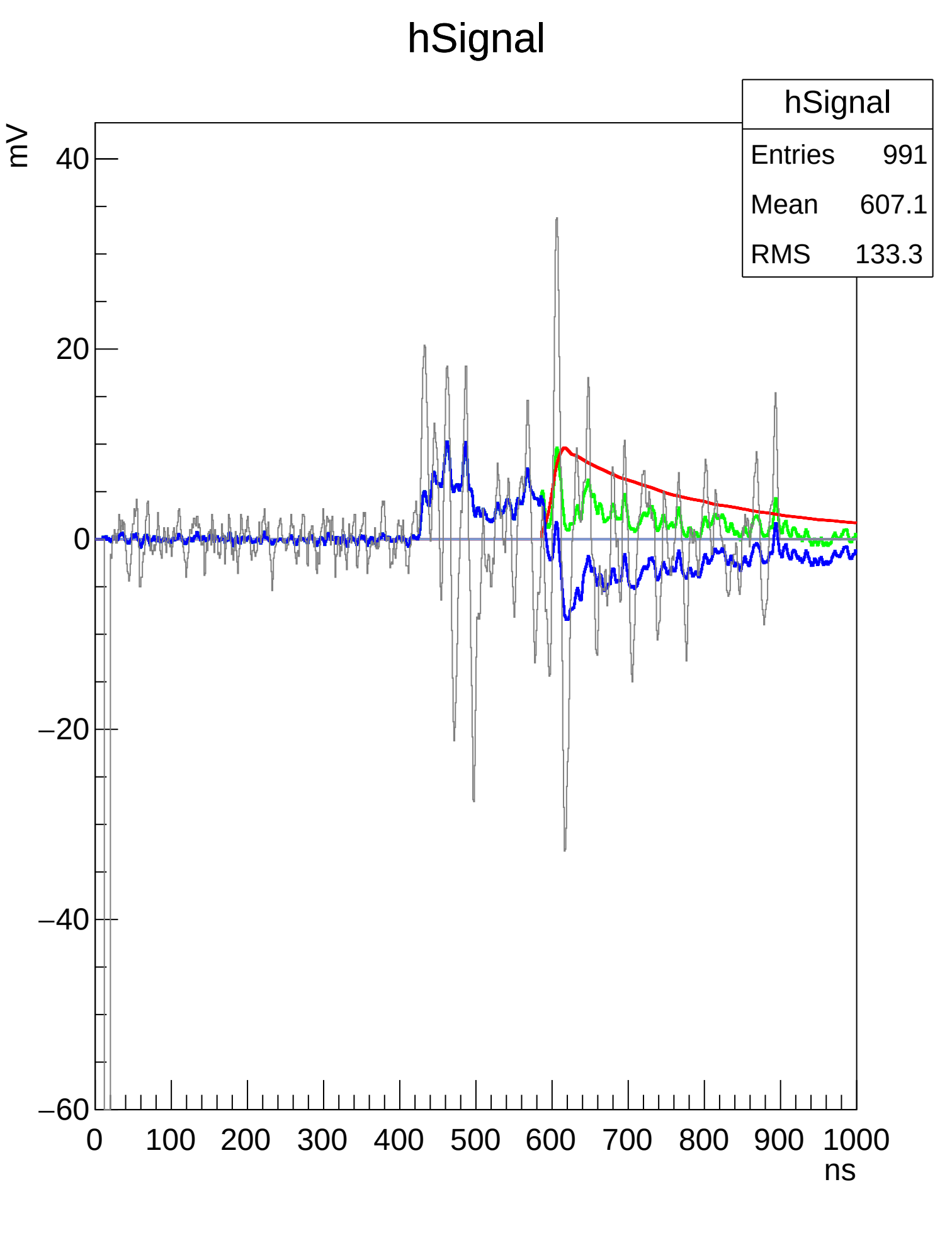
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.2
RMS 152.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.3
RMS 140.4
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.8
RMS 146.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.3
RMS 145.9
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.1
RMS 133.3
mV
40
20
0
−20
−40
−60
0
100
200
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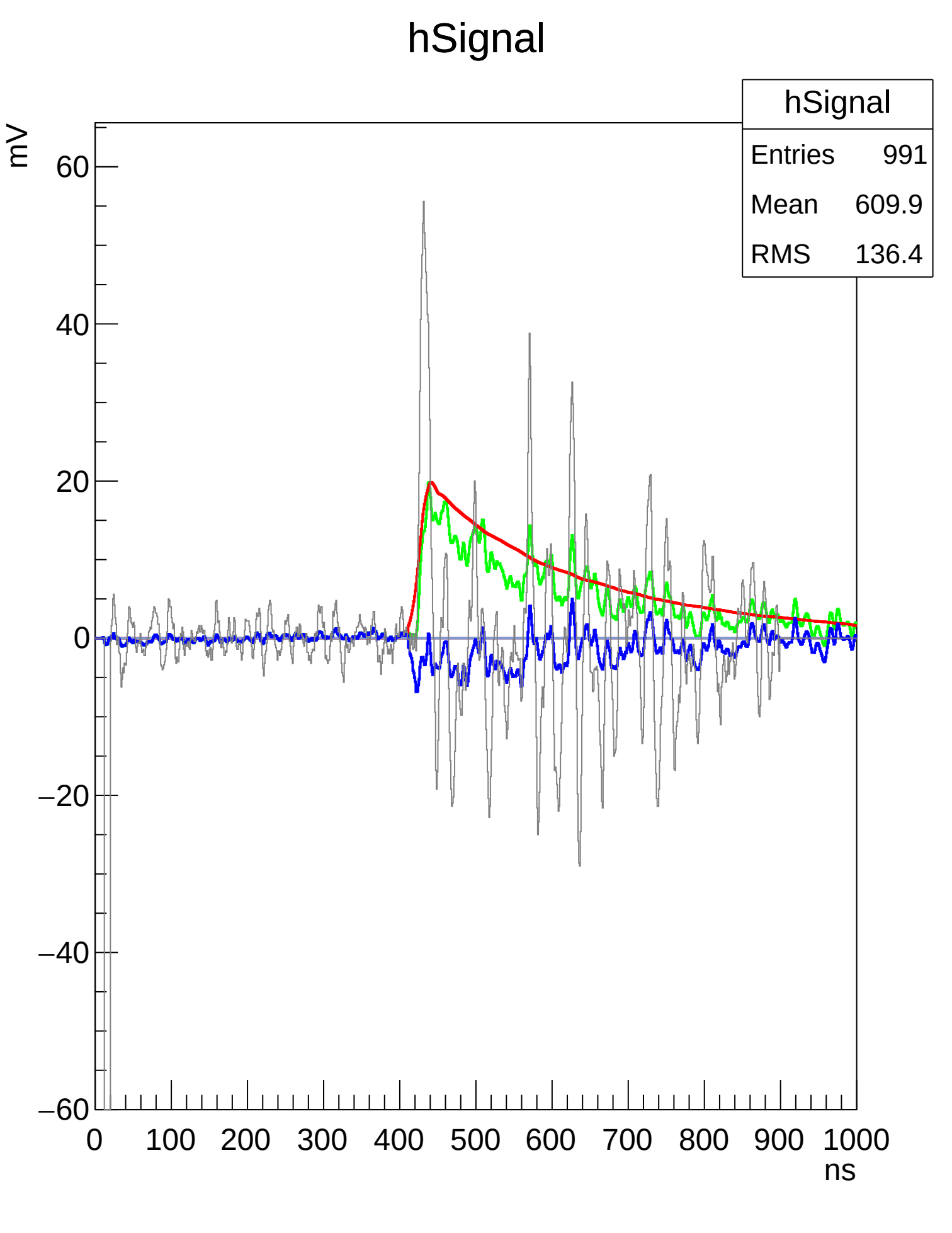
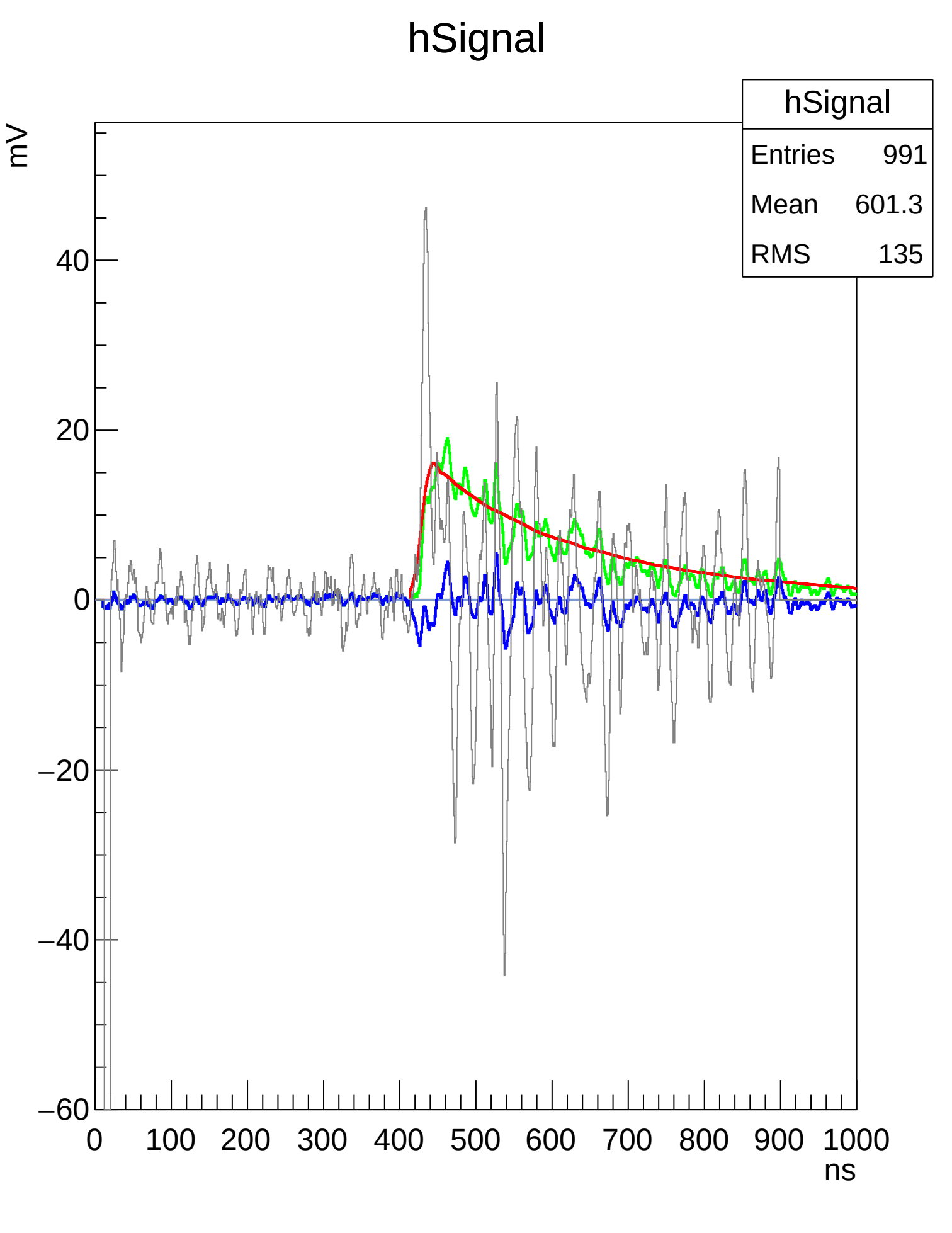
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.9
RMS 136.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.3
RMS 135
mV
40
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−20
−40
−60
0
100
200
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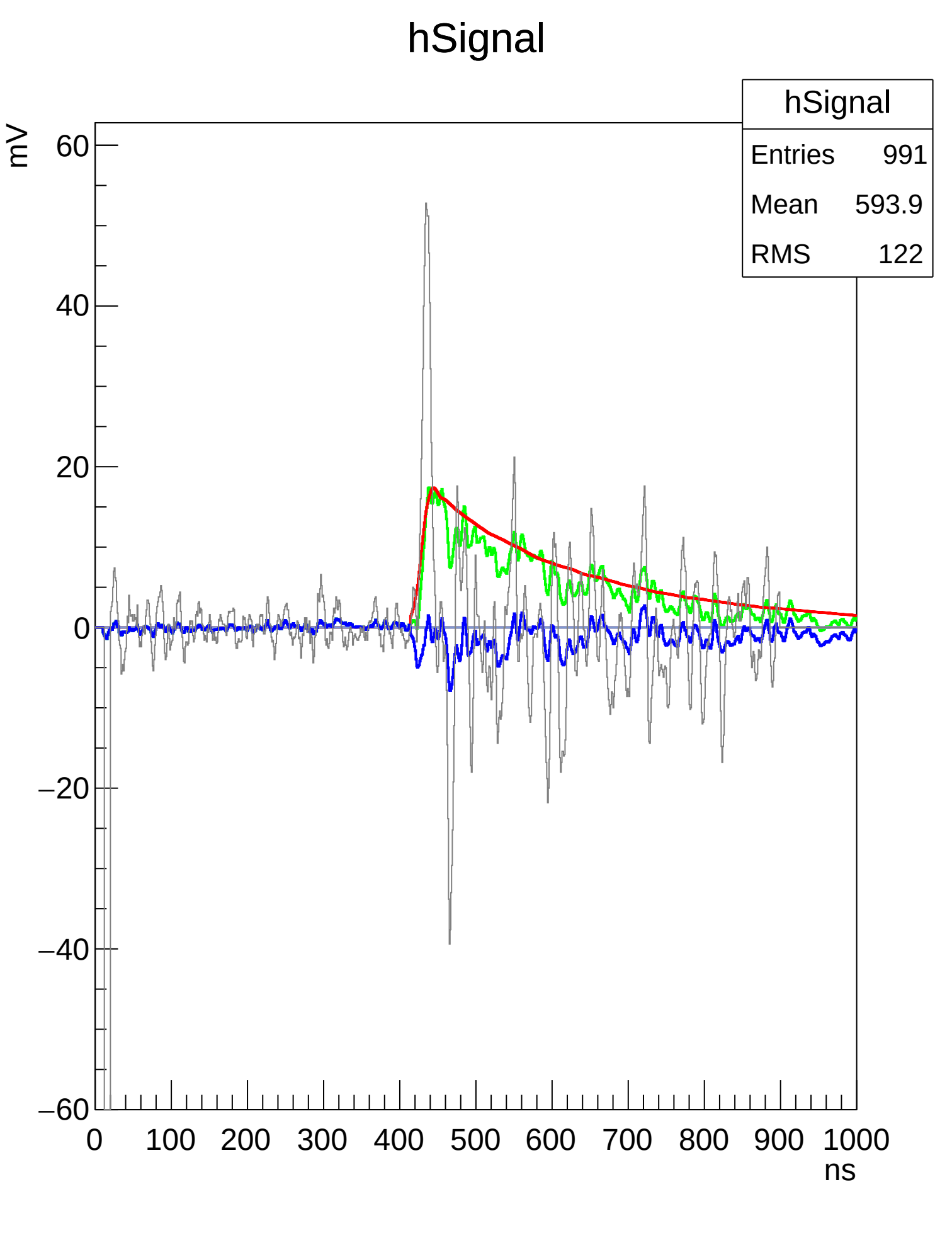
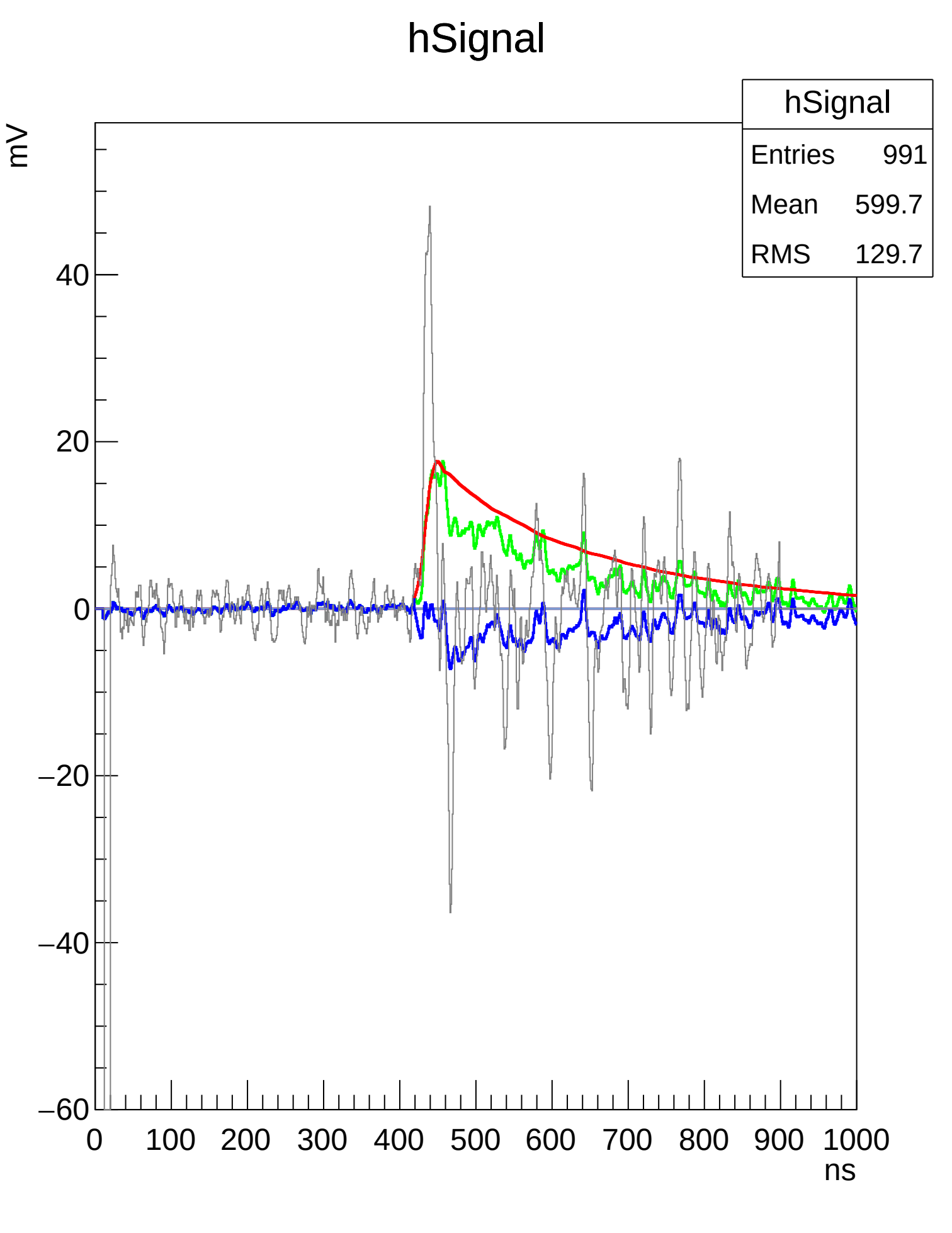
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.9
RMS 122
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.7
RMS 129.7
mV
40
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0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
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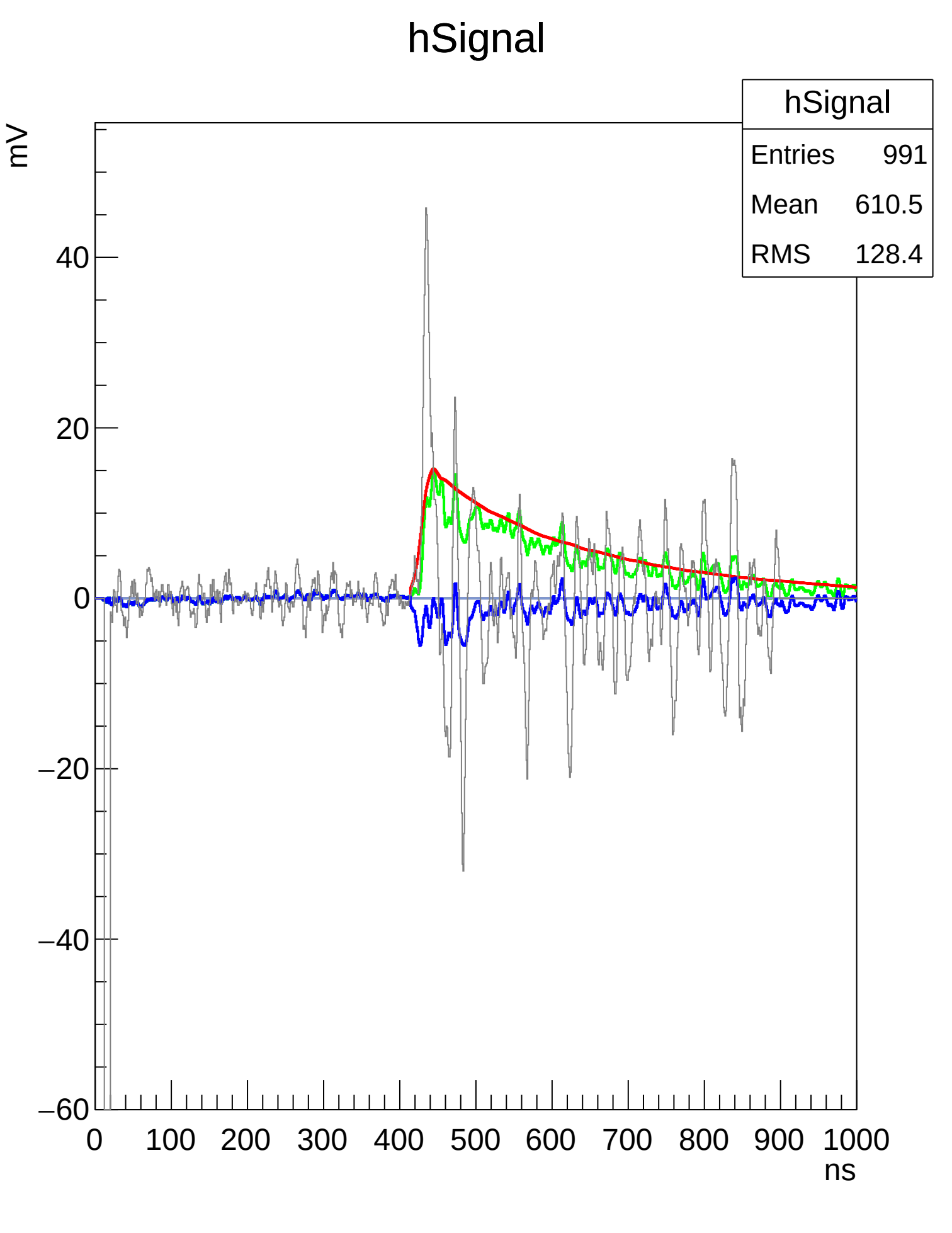
hSignal
hSignal
Entries 991
Mean 610.5
RMS 128.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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600
700
800
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1000
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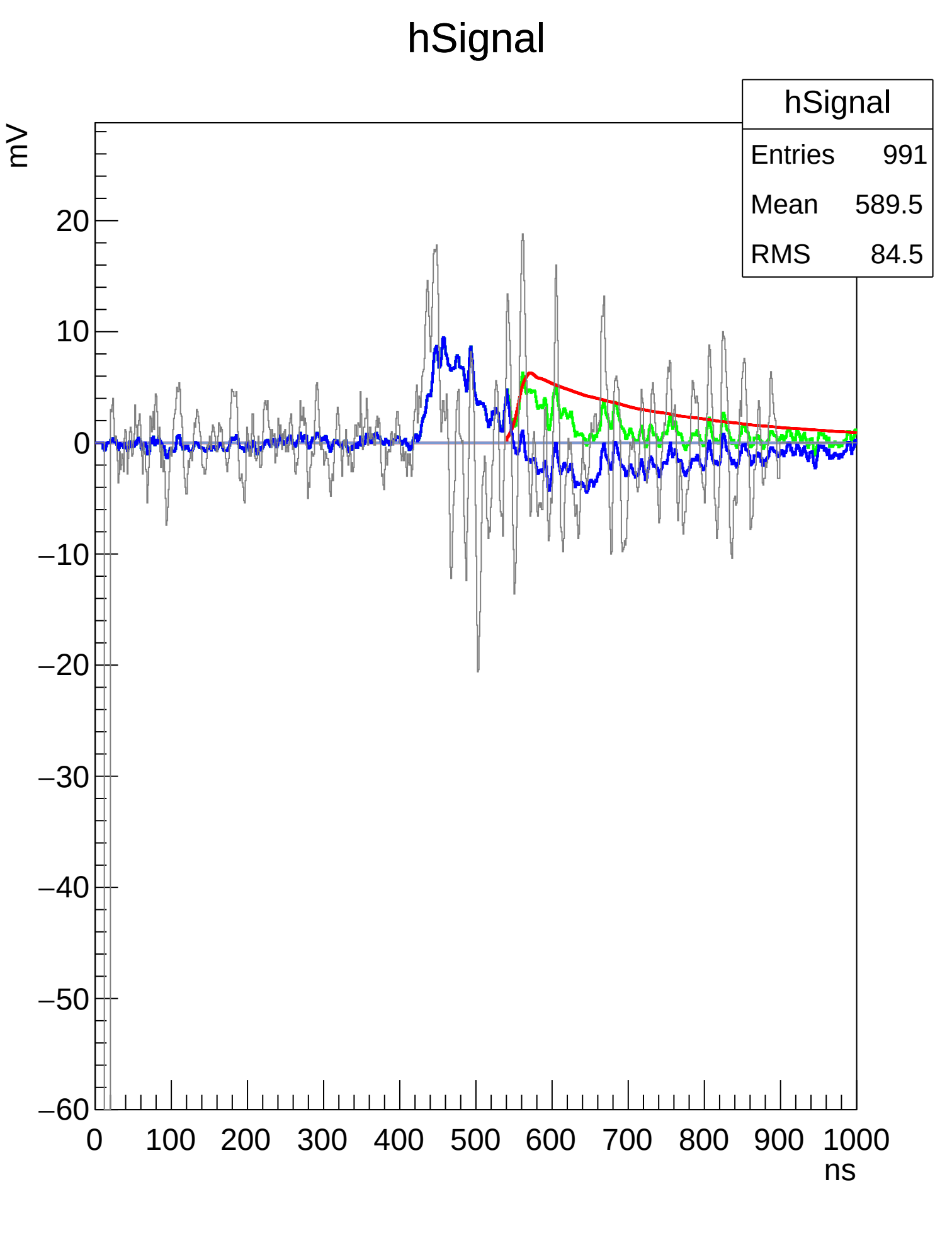
hSignal
hSignal
Entries 991
Mean 589.5
RMS 84.5
mV
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−20
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−50
−60
0
100
200
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400
500
600
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800
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1000
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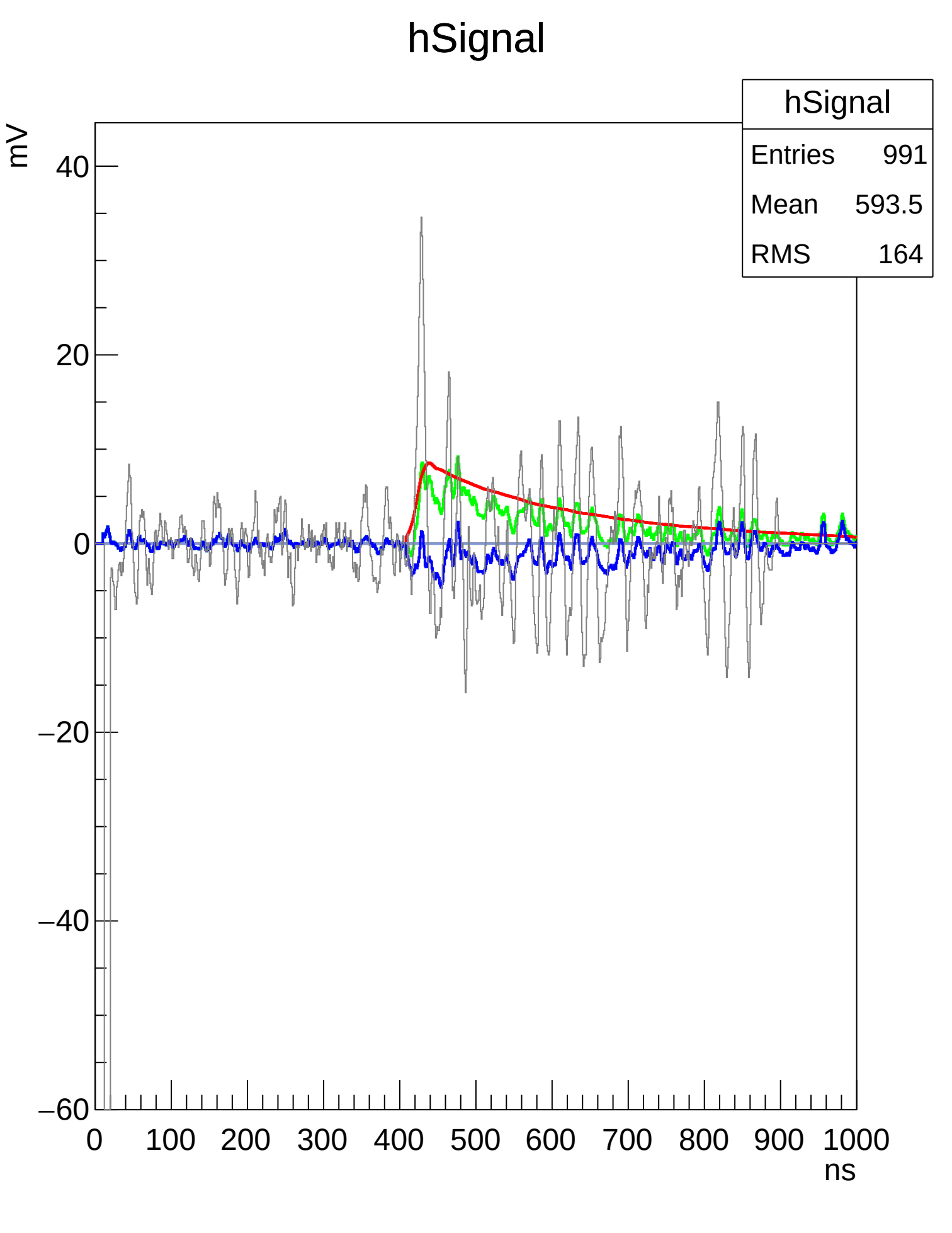
hSignal
hSignal
Entries 991
Mean 593.5
RMS 164
mV
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−20
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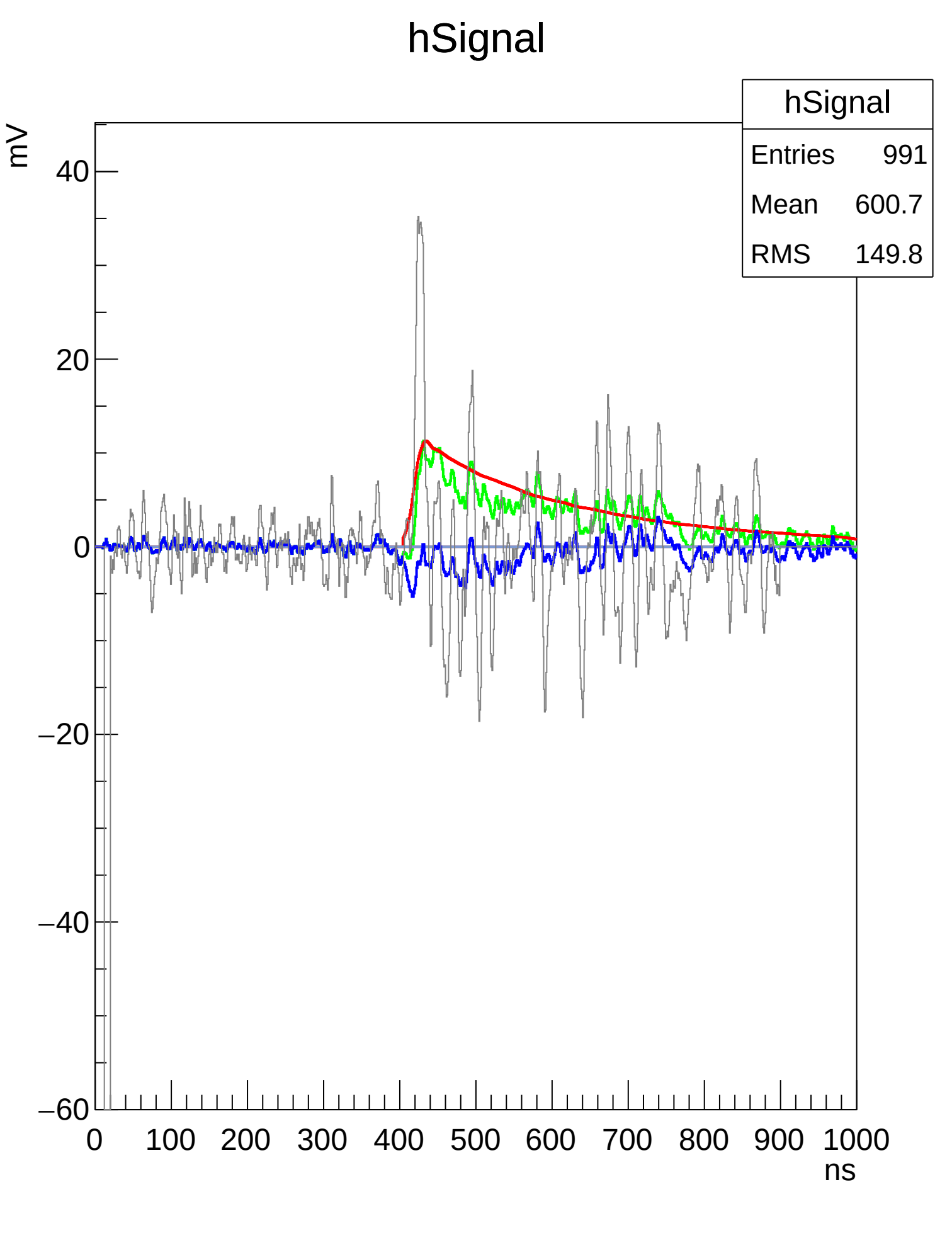
hSignal
hSignal
Entries 991
Mean 600.7
RMS 149.8
mV
40
20
0
−20
−40
−60
0
100
200
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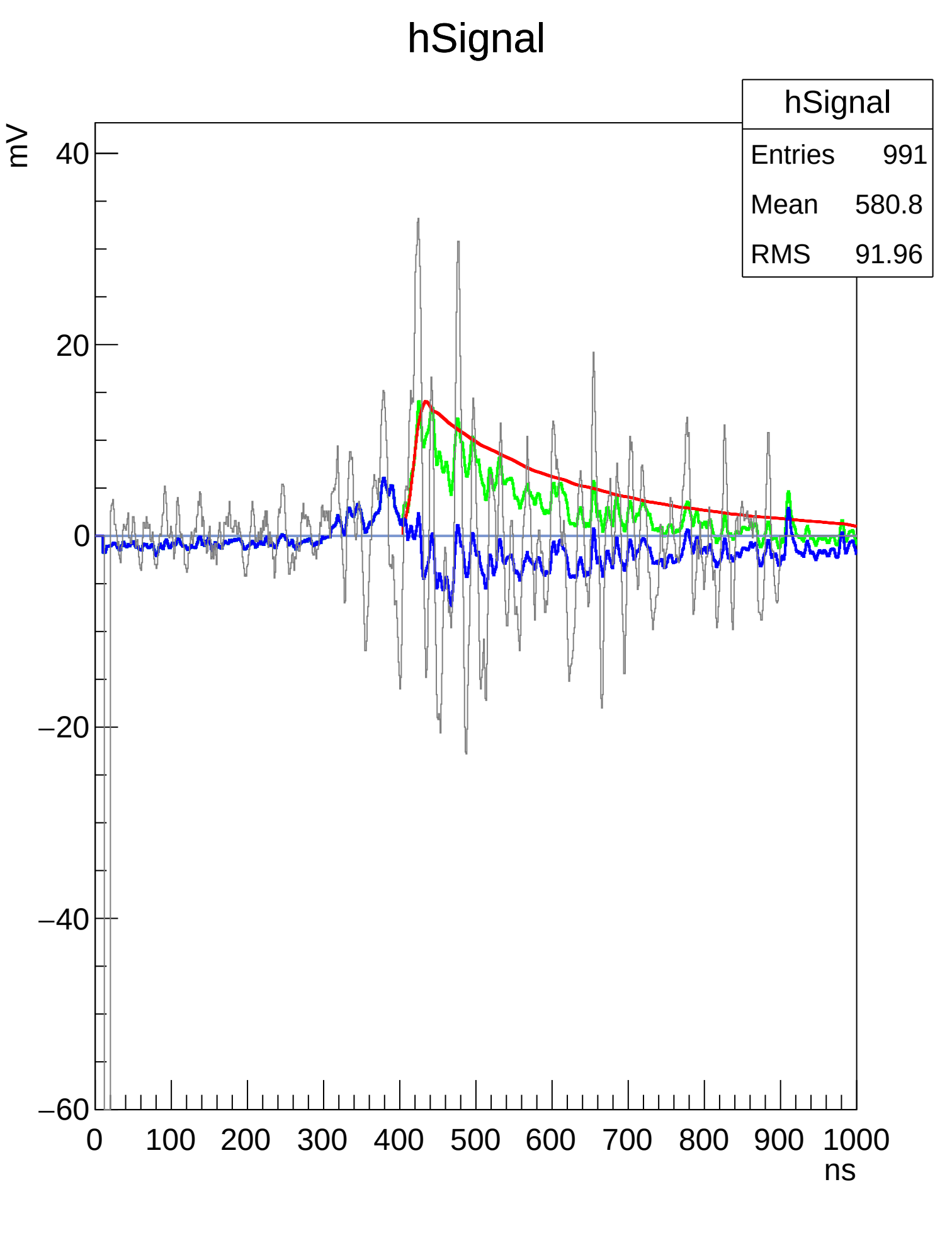
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.8
RMS 91.96
mV
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−20
−40
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0
100
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400
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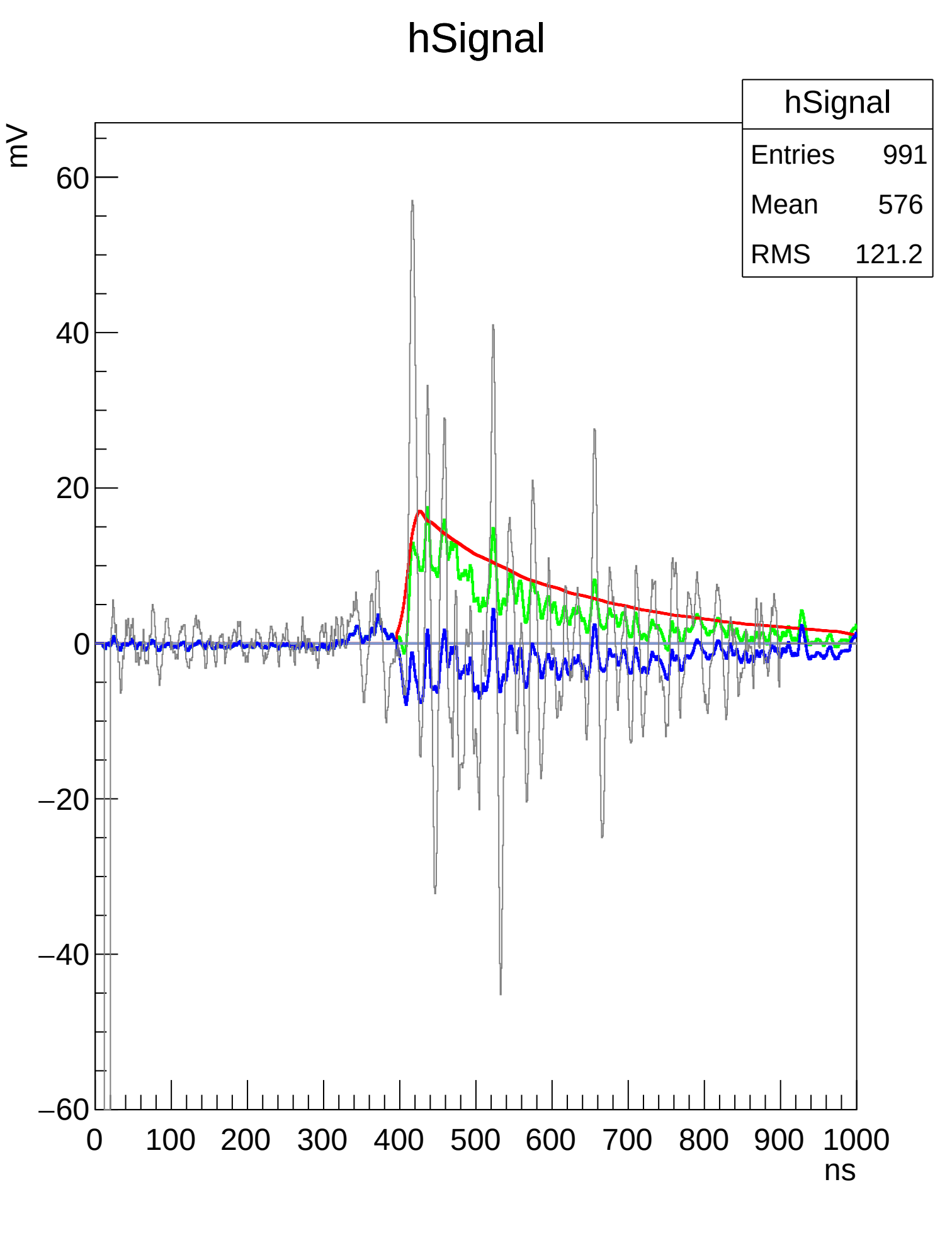
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576
RMS 121.2
mV
60
40
20
0
−20
−40
−60
0
100
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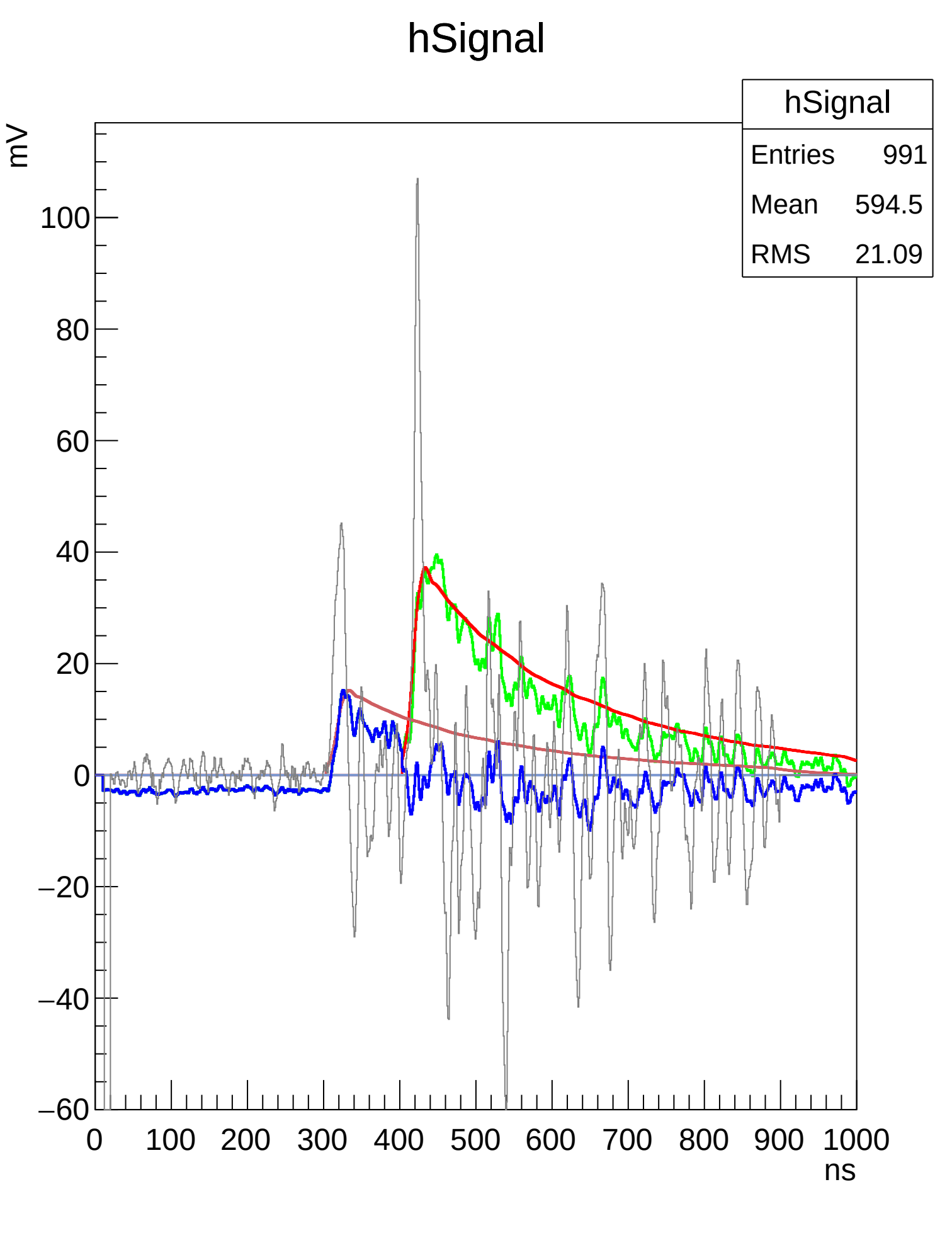
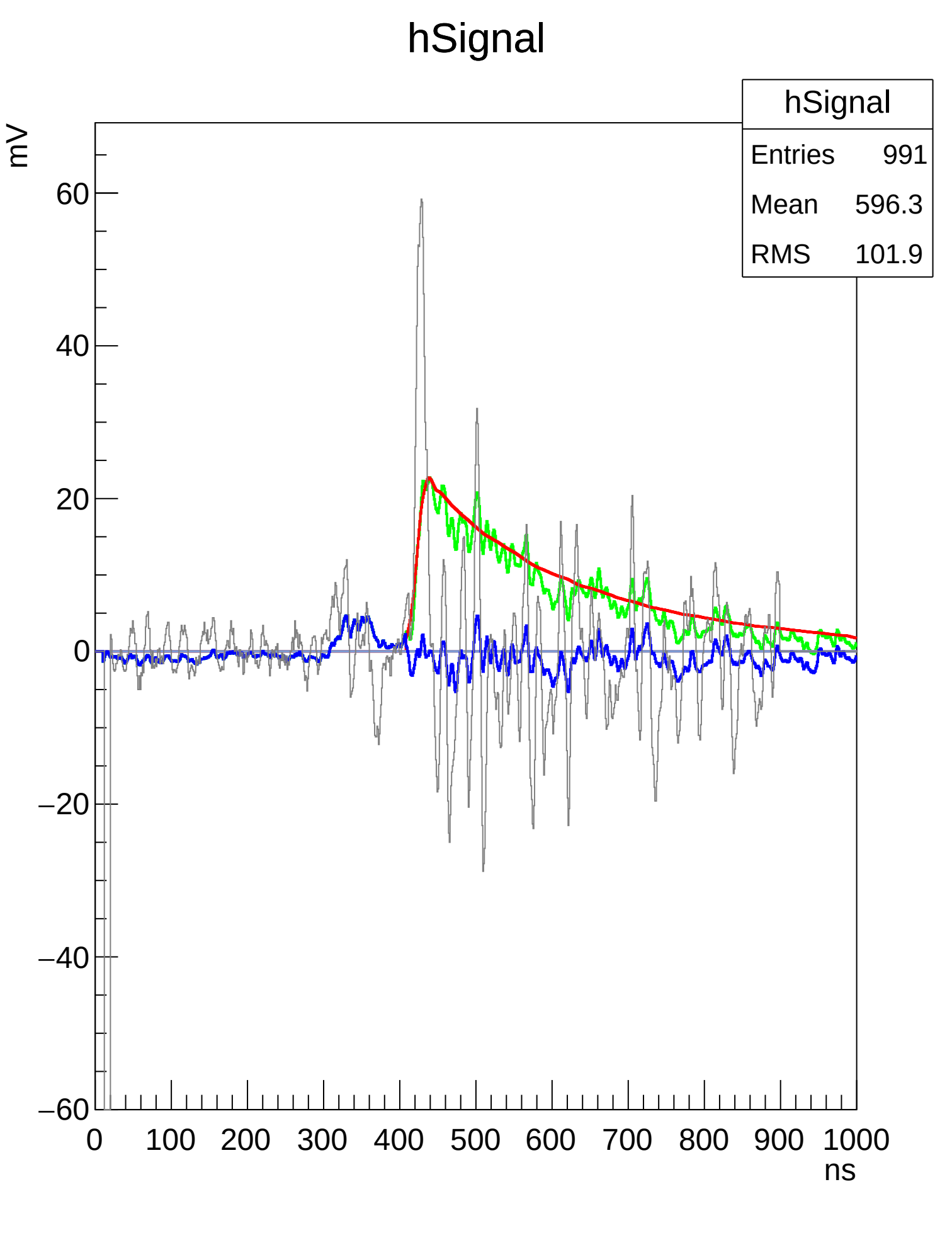
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.5
RMS 21.09
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.3
RMS 101.9
mV
60
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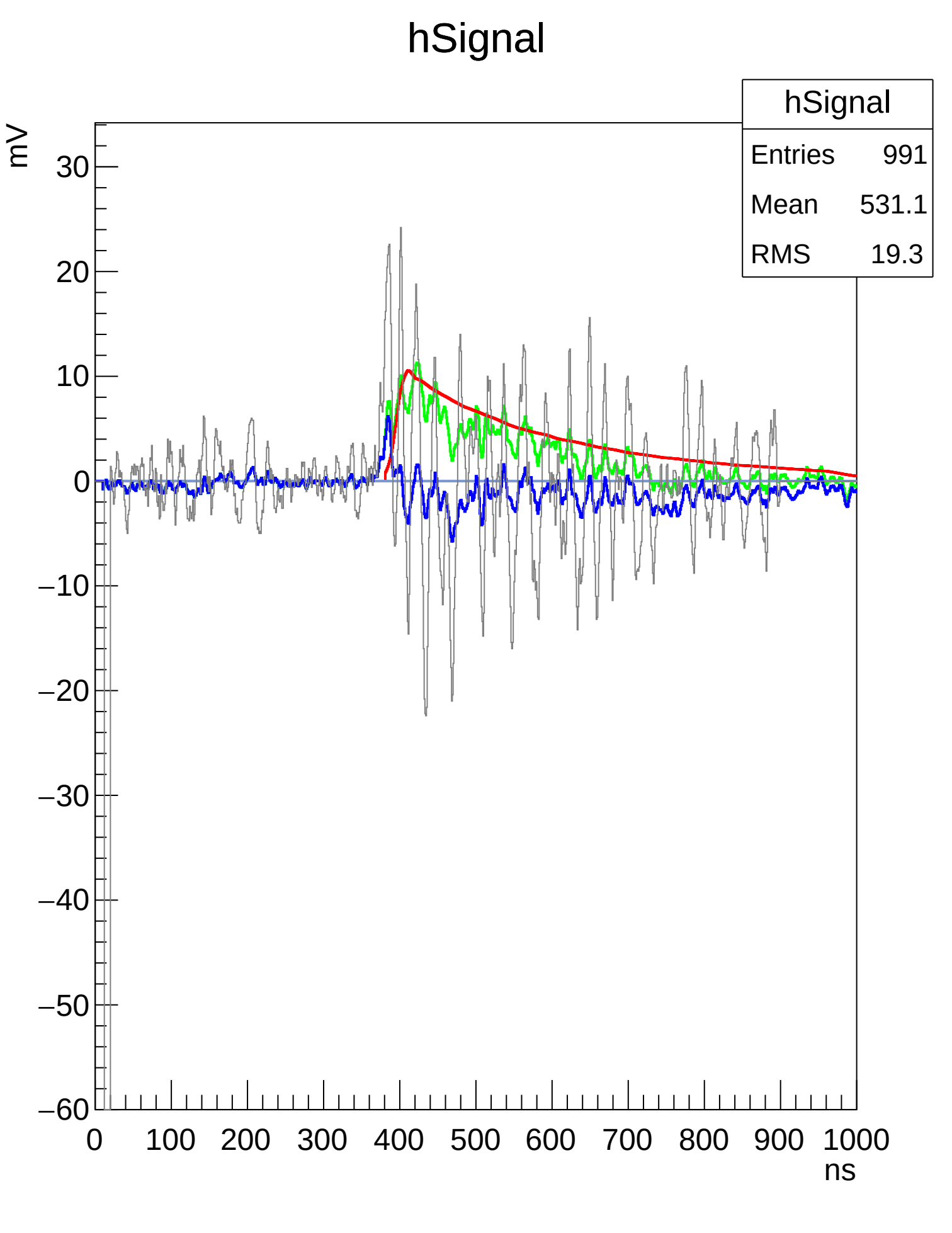
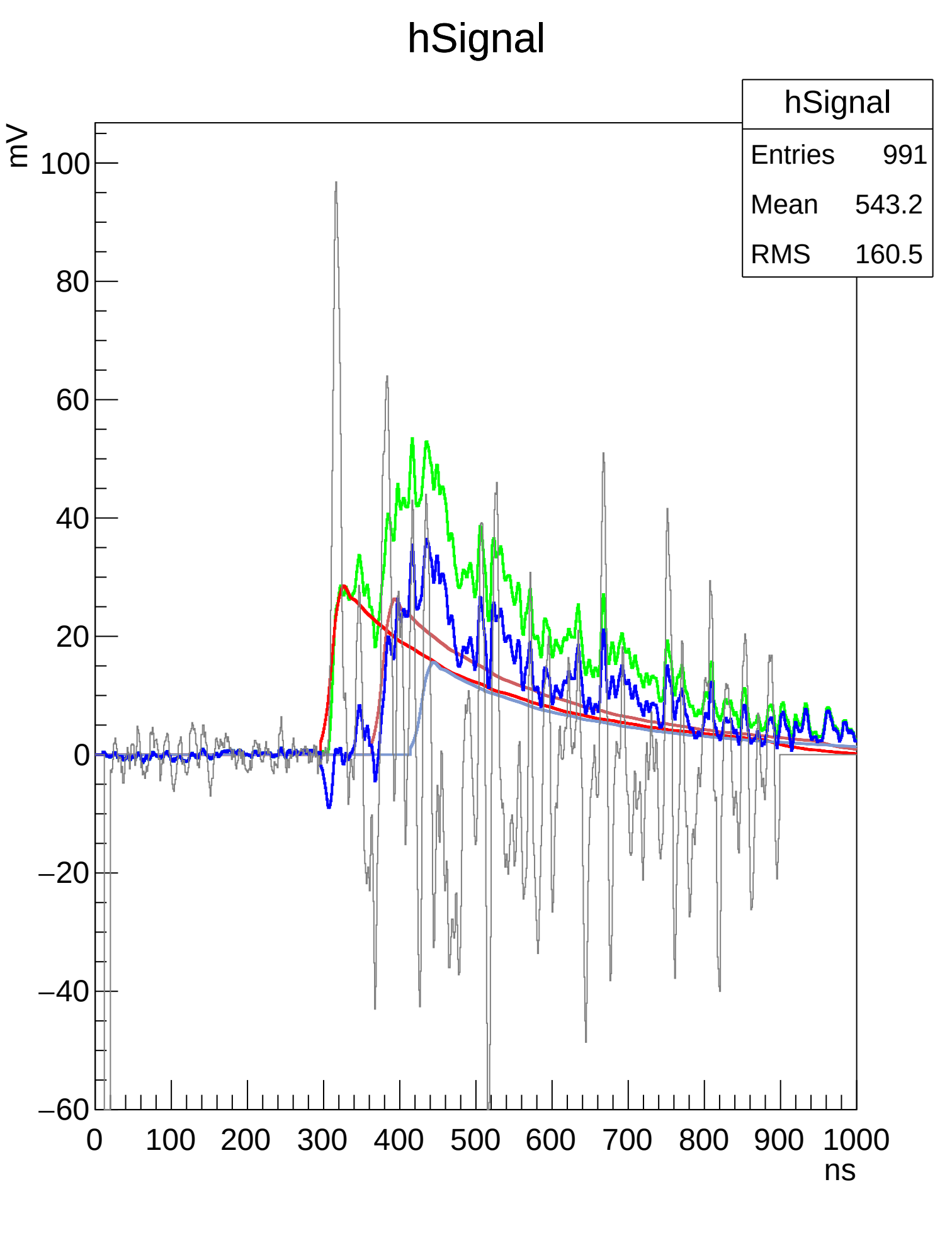
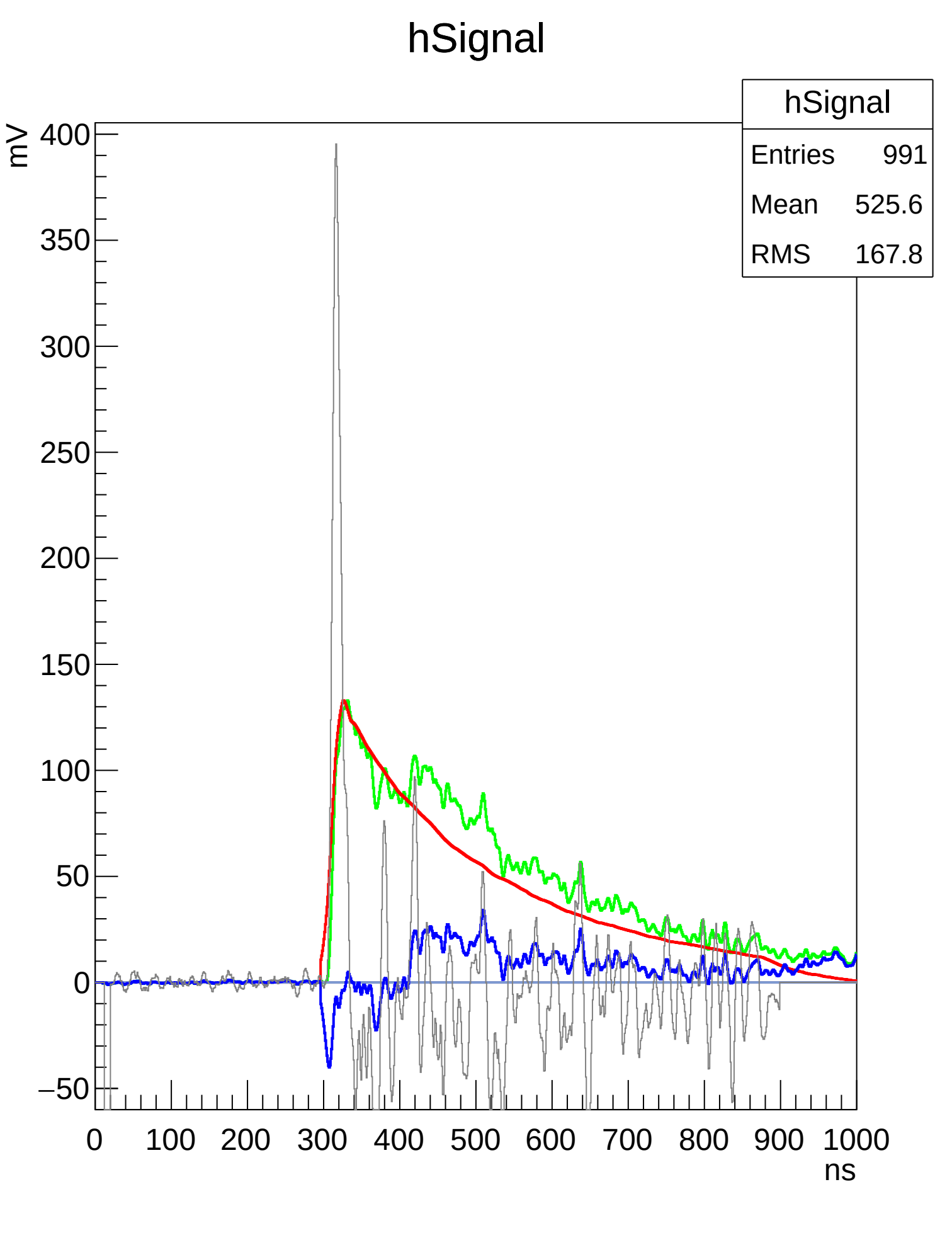
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.1
RMS 19.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.2
RMS 160.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.6
RMS 167.8
mV
400
350
300
250
200
150
100
50
0
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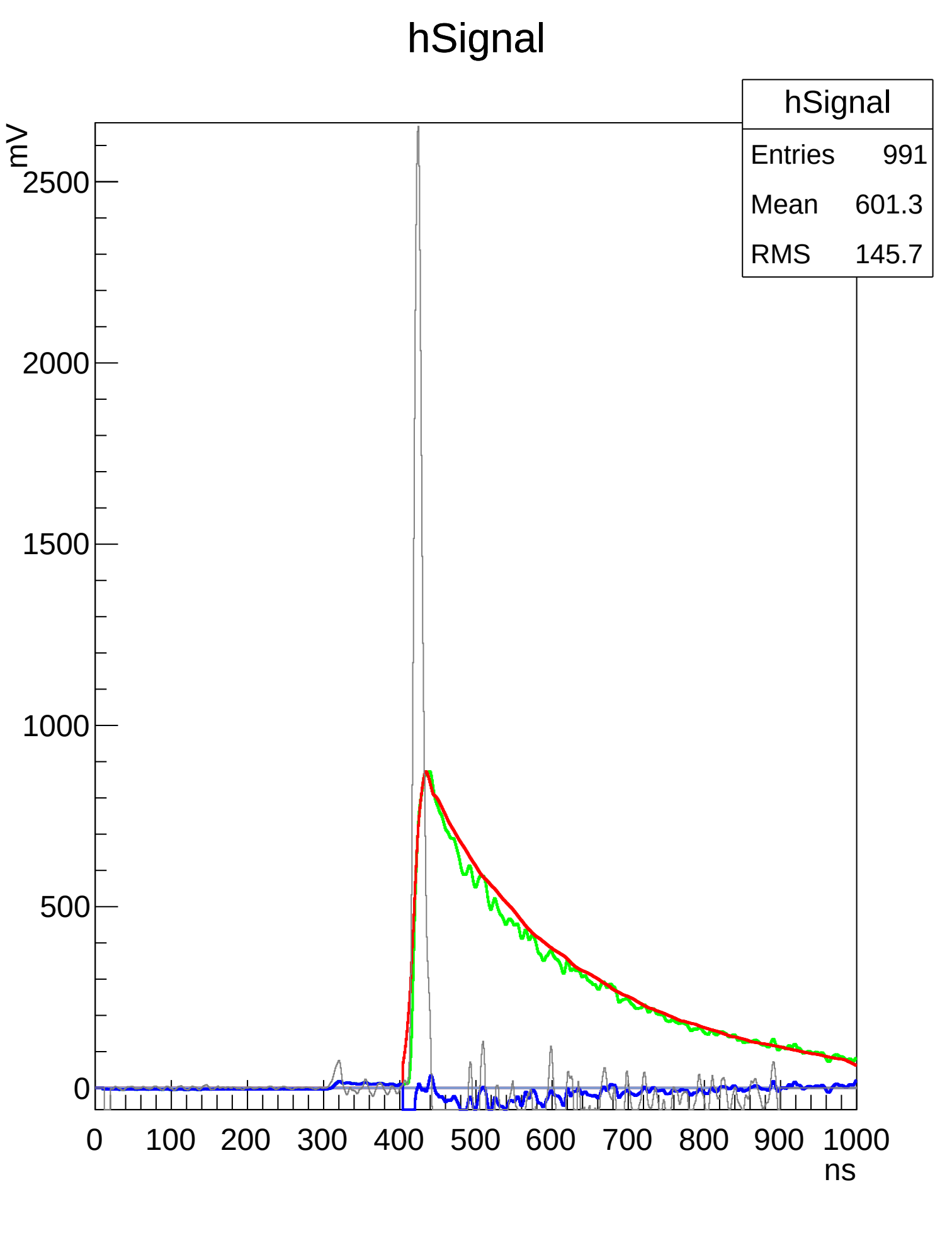
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.3
RMS 145.7
mV
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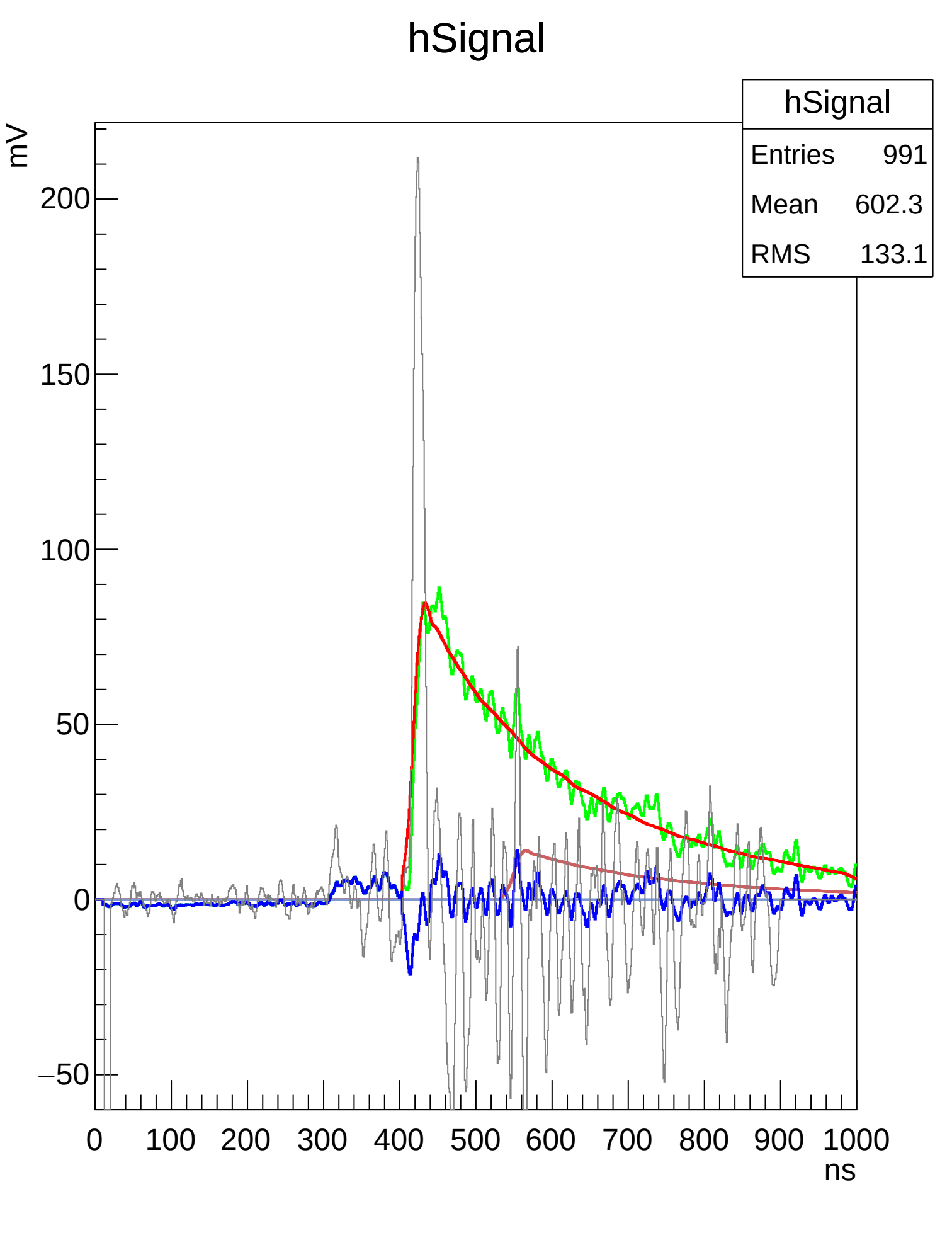
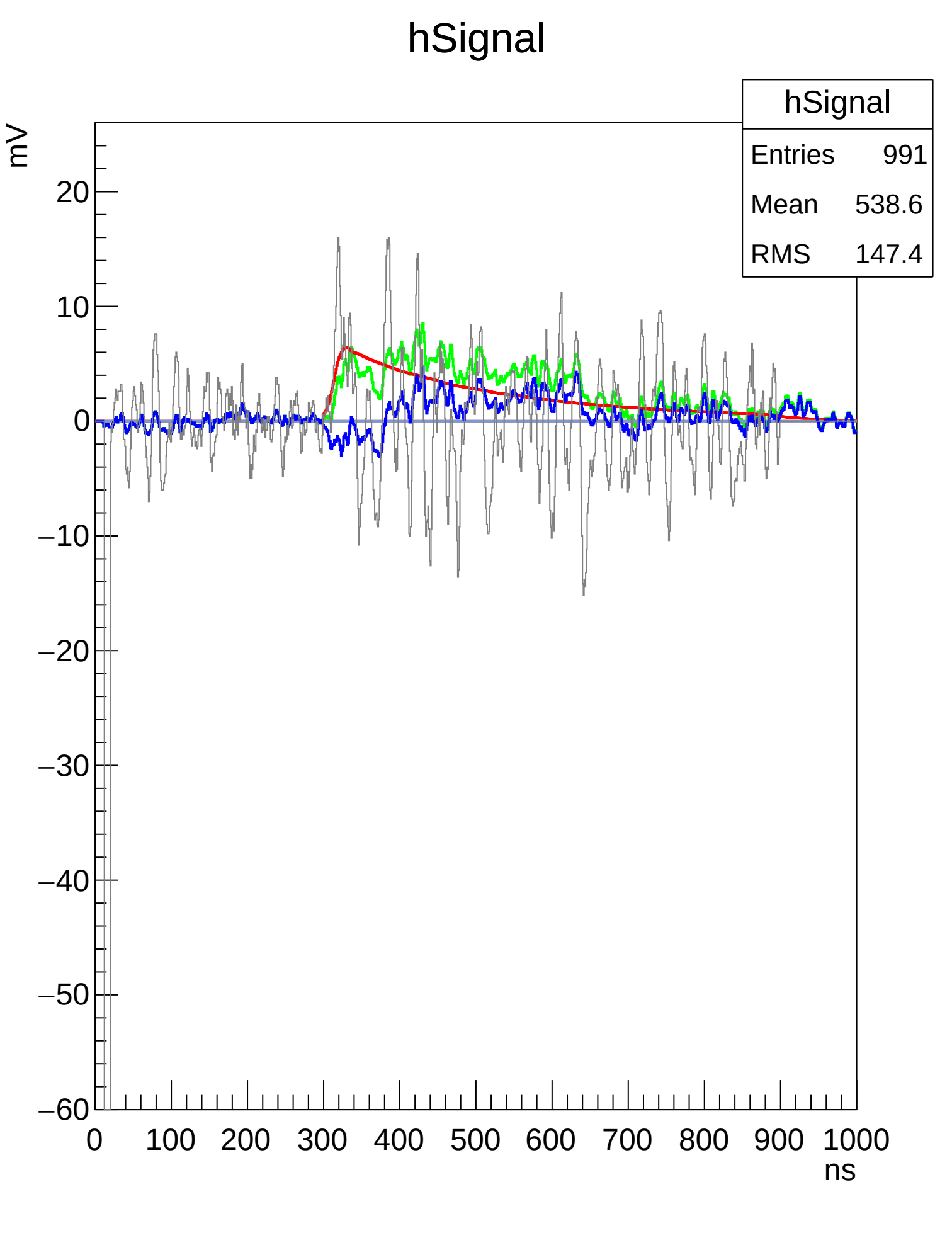
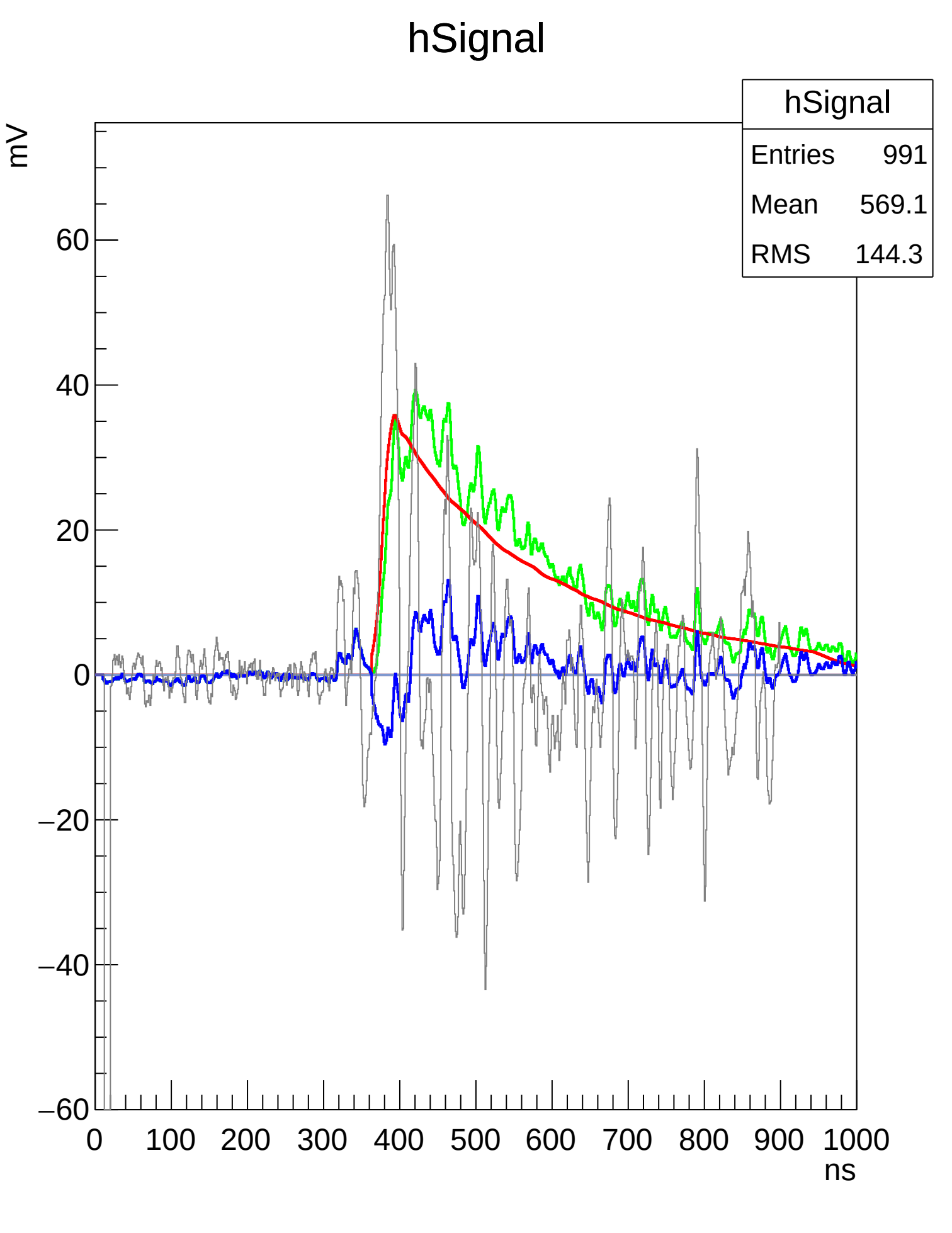
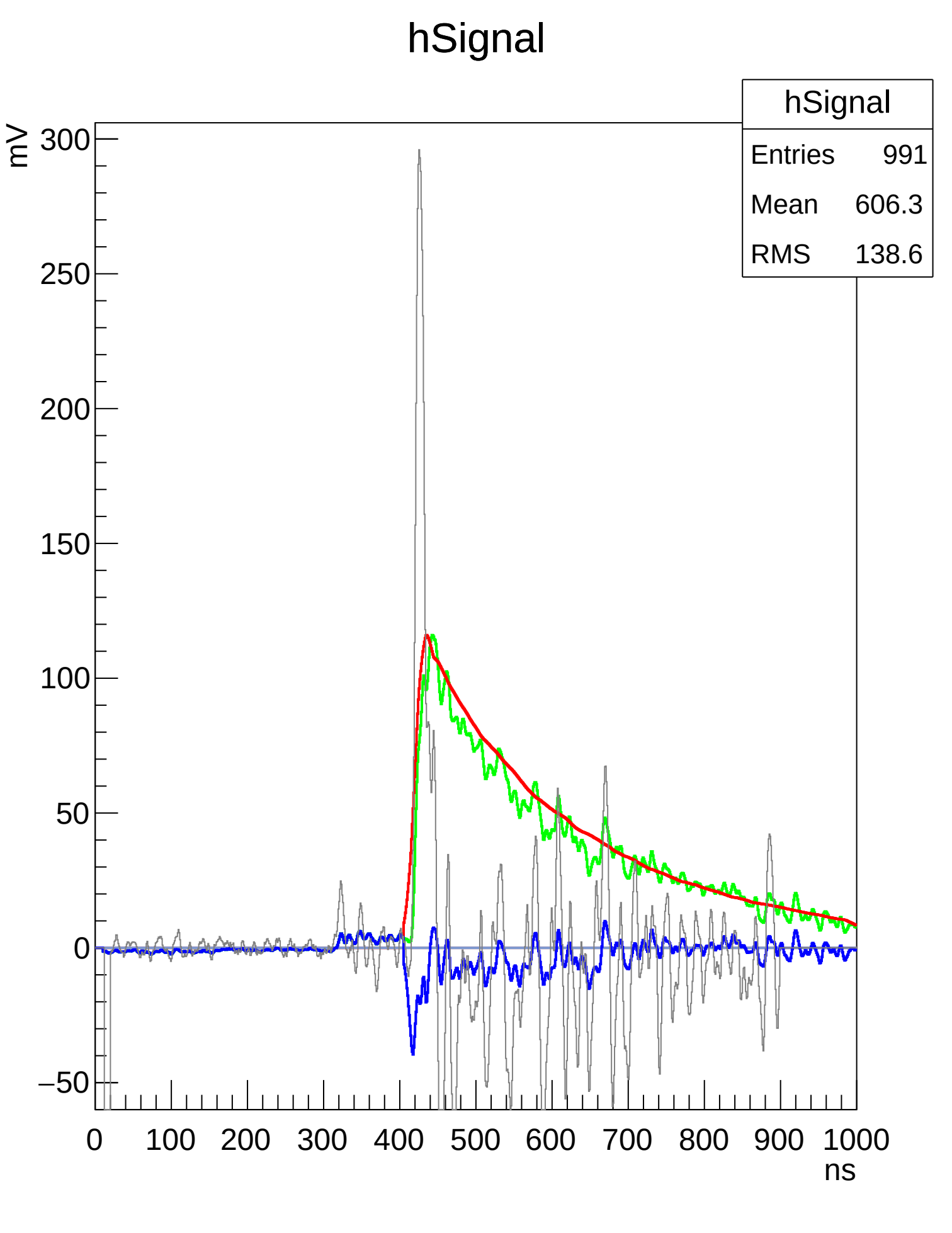
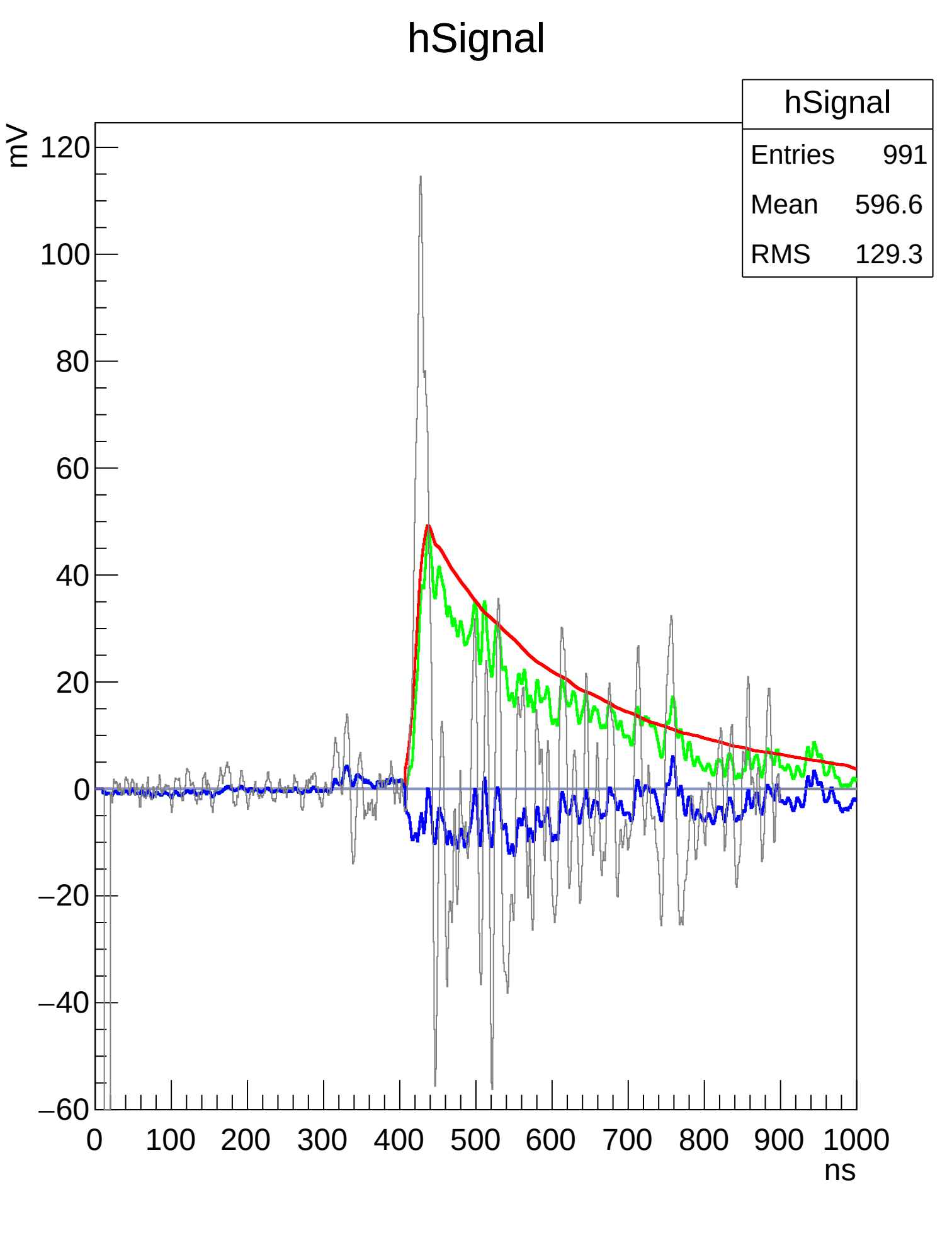
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

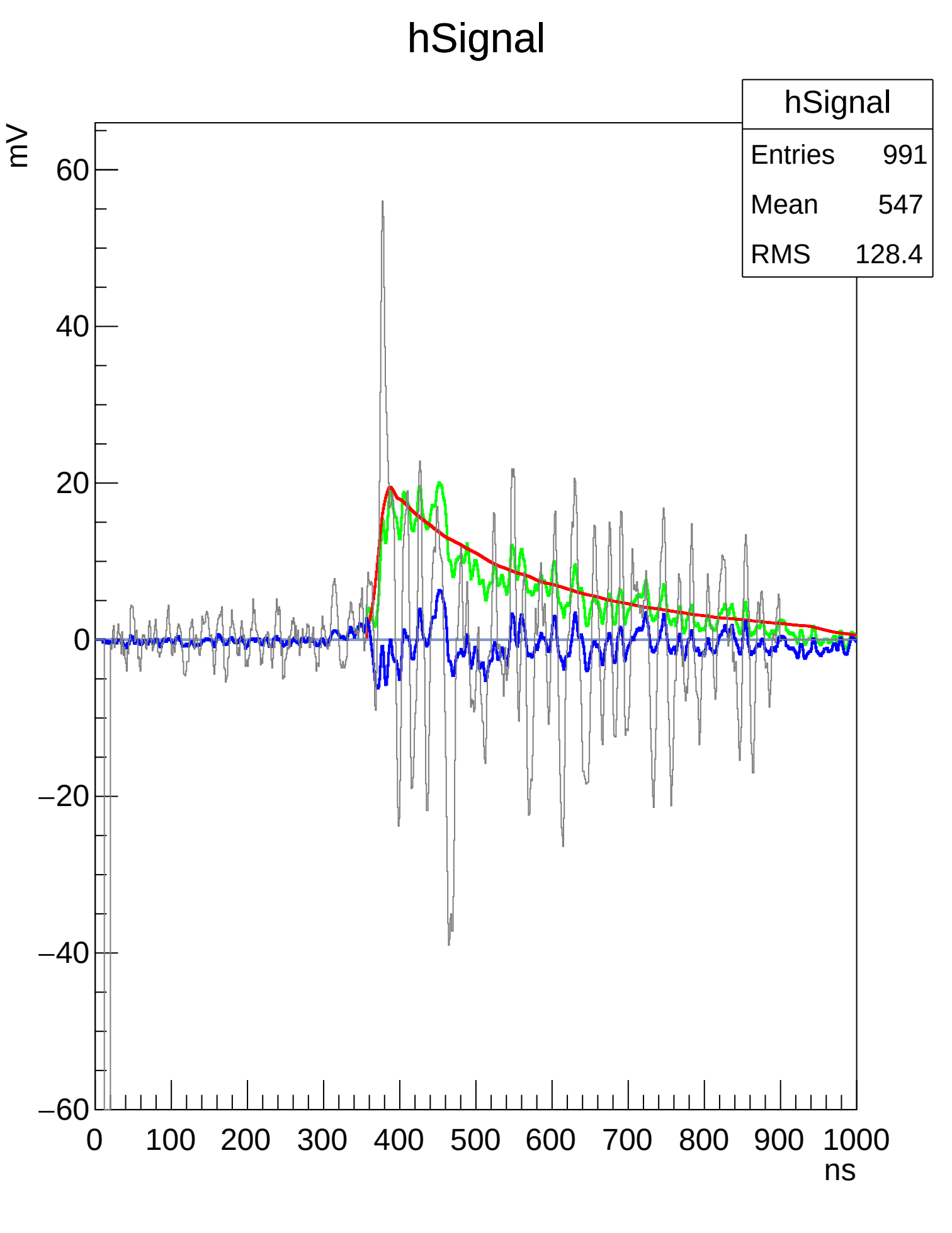

hSignal
hSignal
Entries 991
Mean 602.3
RMS 133.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.6
RMS 147.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.1
RMS 144.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.3
RMS 138.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.6
RMS 129.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547
RMS 128.4
mV
60
40
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0
−20
−40
−60
0
100
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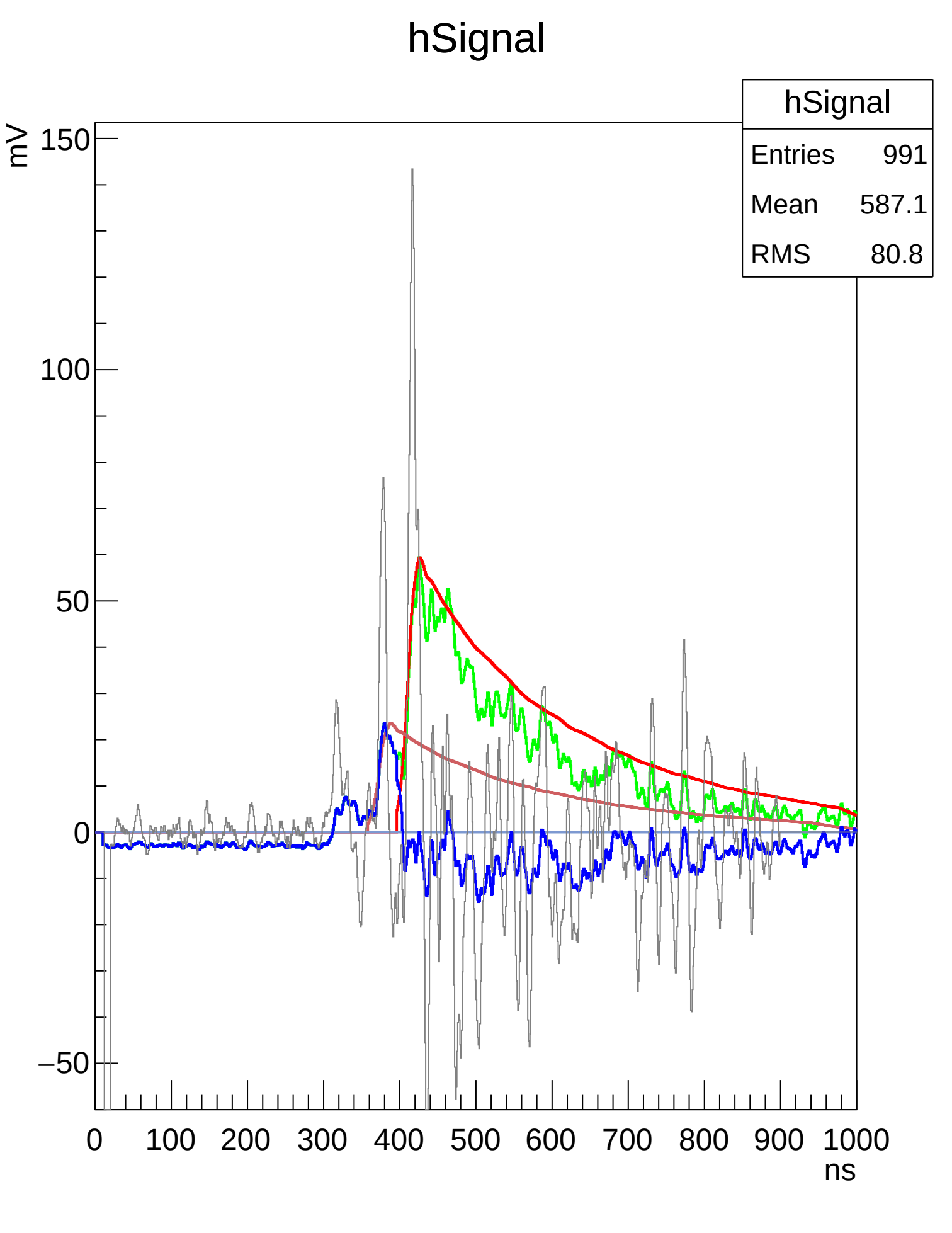
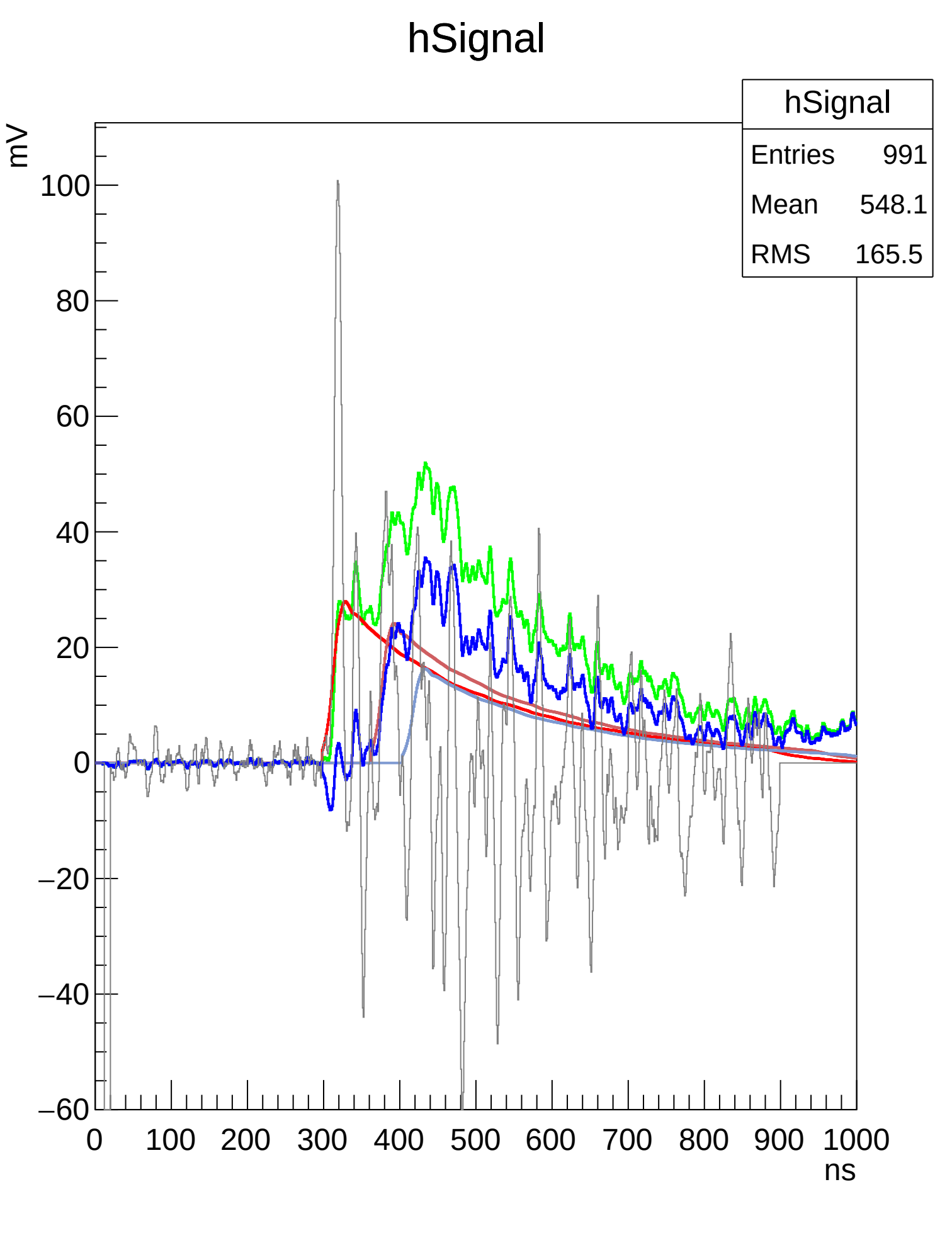
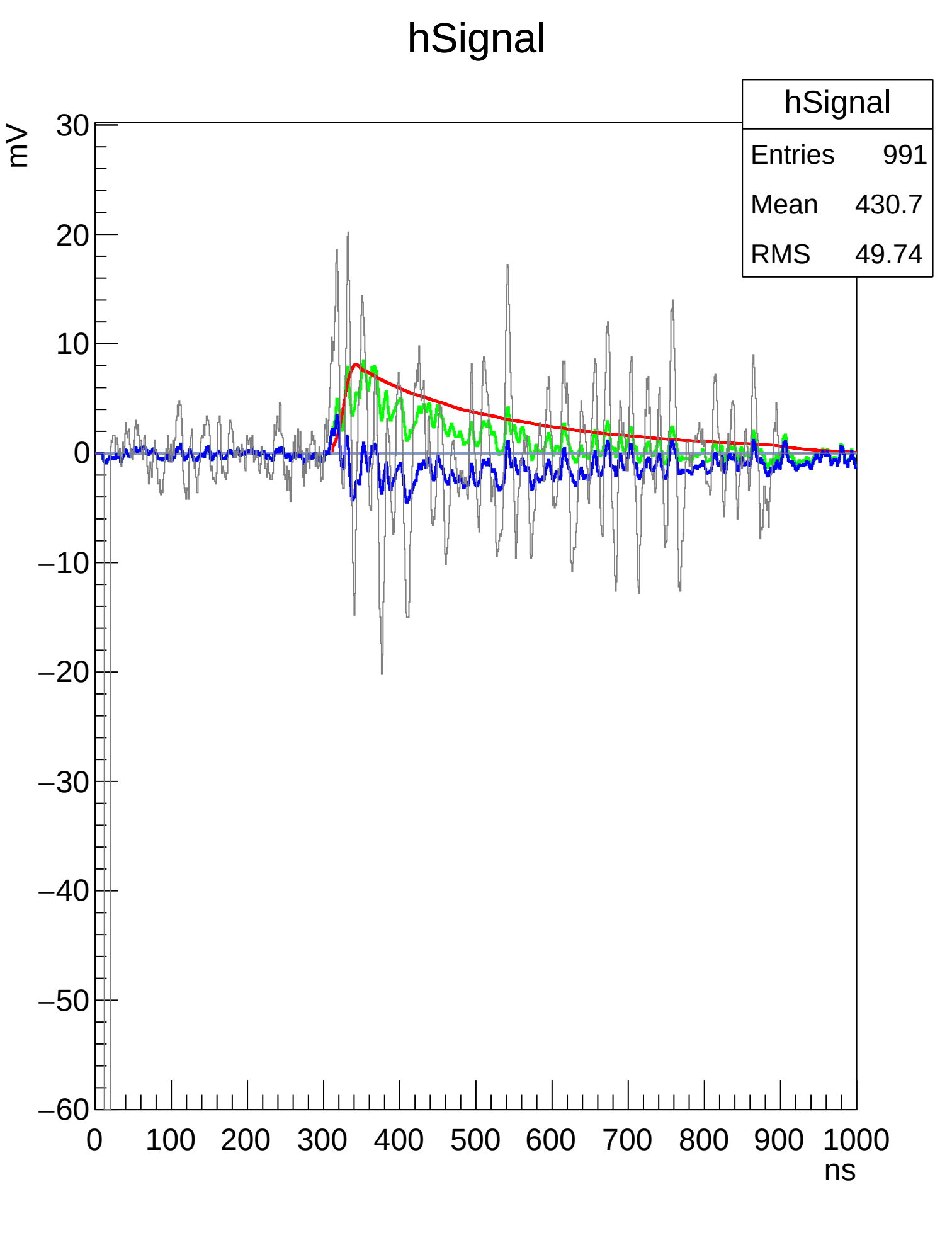
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.1
RMS 80.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.1
RMS 165.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 430.7
RMS 49.74
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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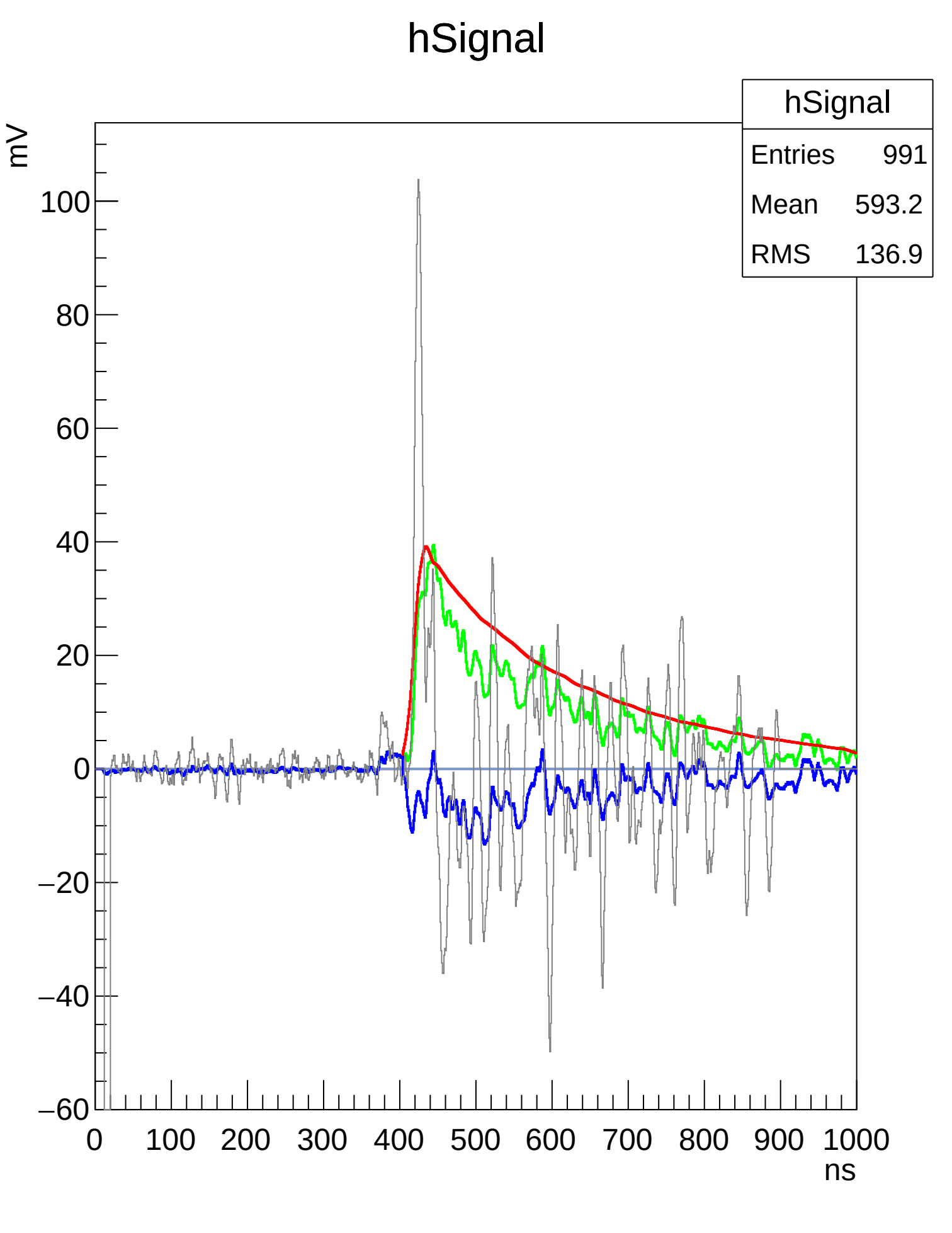
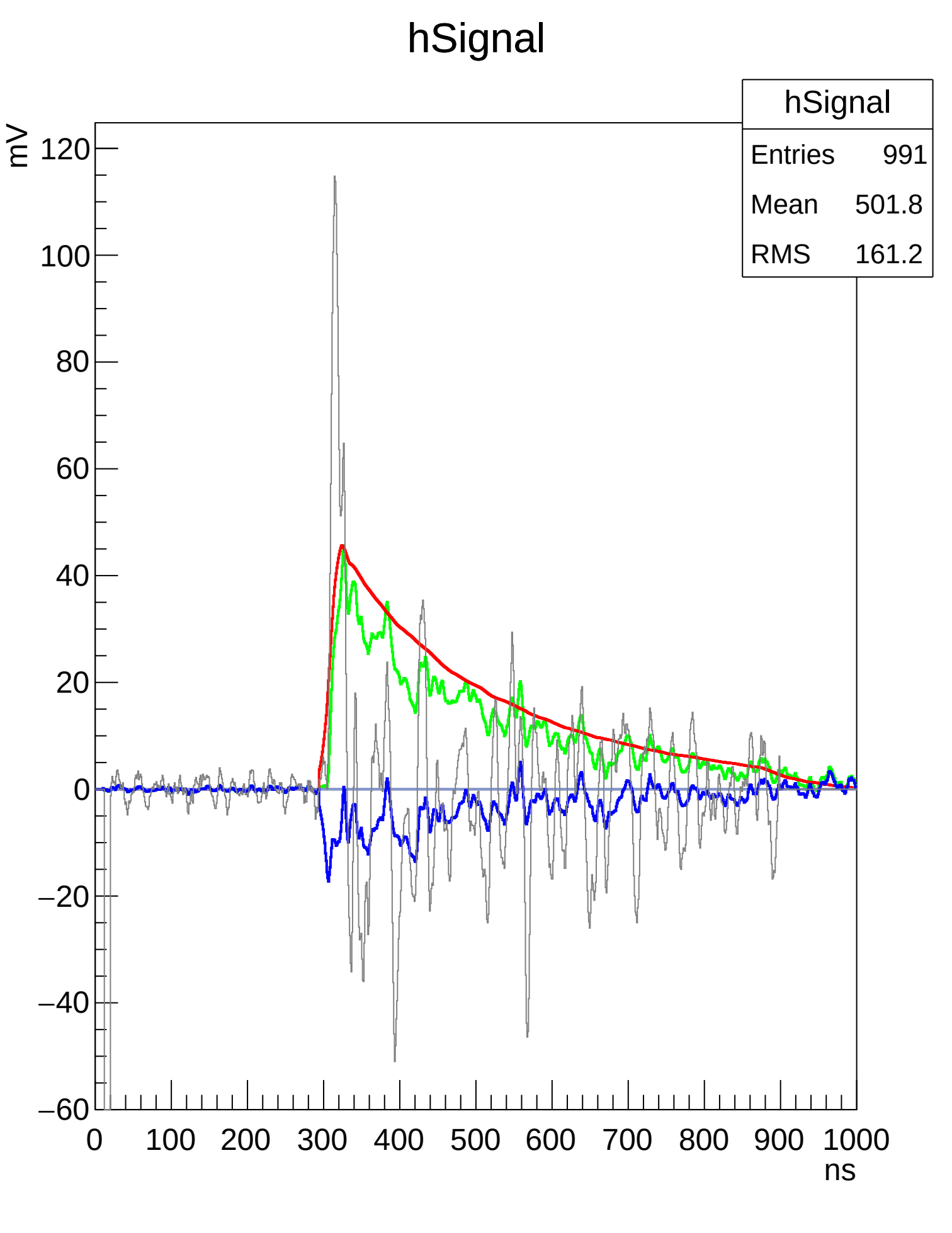
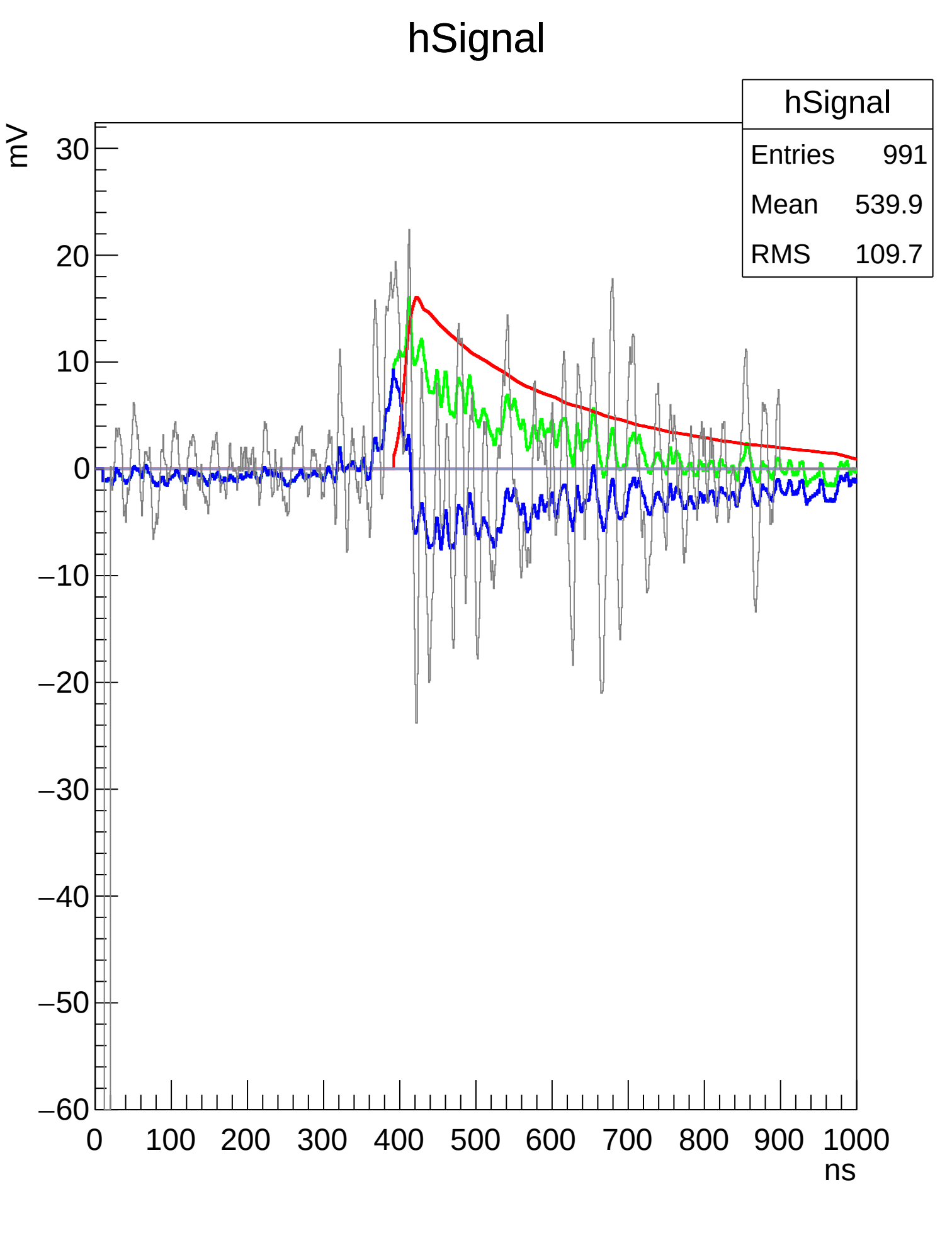
1000
ns


hSignal
hSignal
Entries 991
Mean 593.2
RMS 136.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.8
RMS 161.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.9
RMS 109.7
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
700
800
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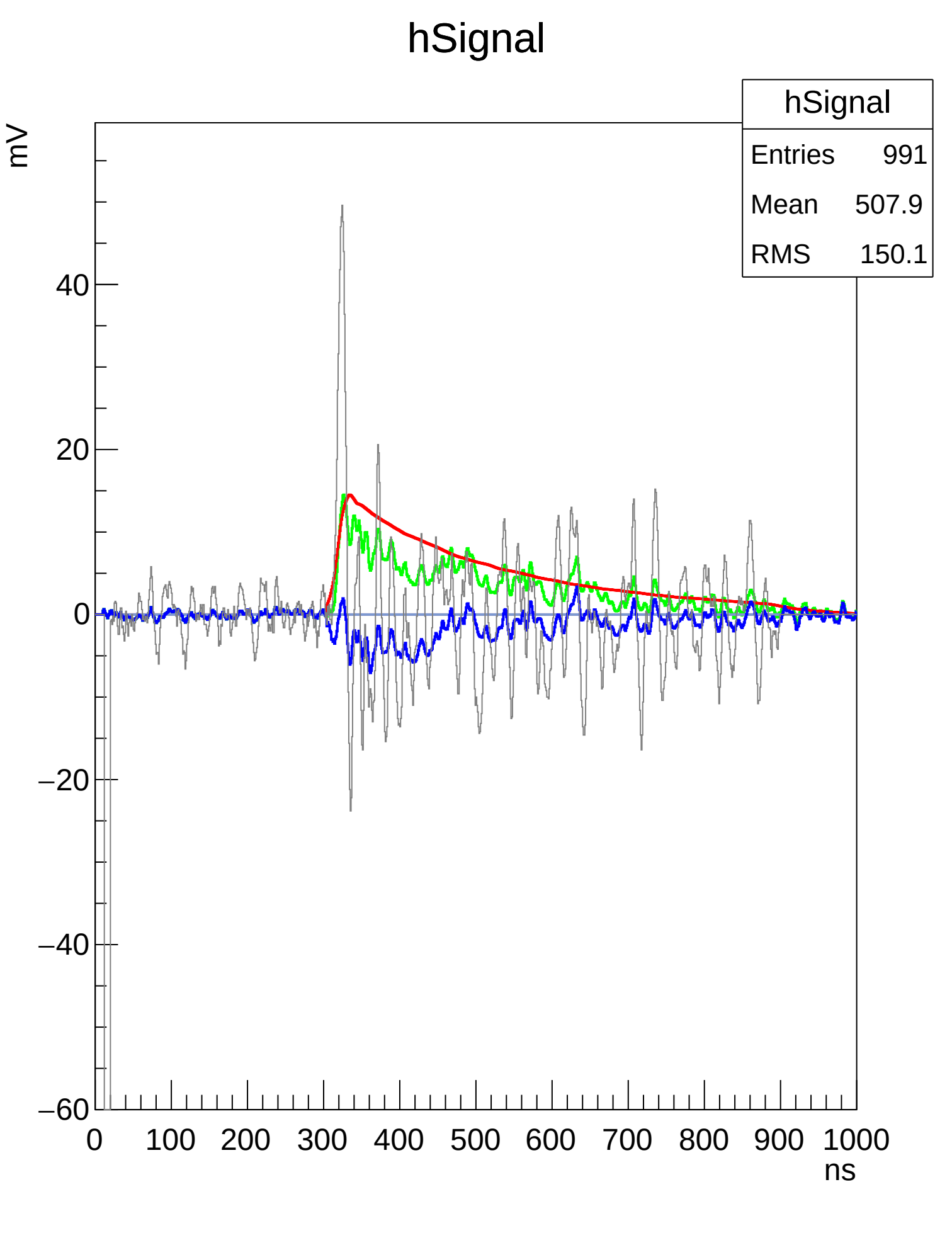
1000
ns


hSignal
hSignal
Entries 991
Mean 507.9
RMS 150.1
mV
40
20
0
−20
−40
−60
0
100
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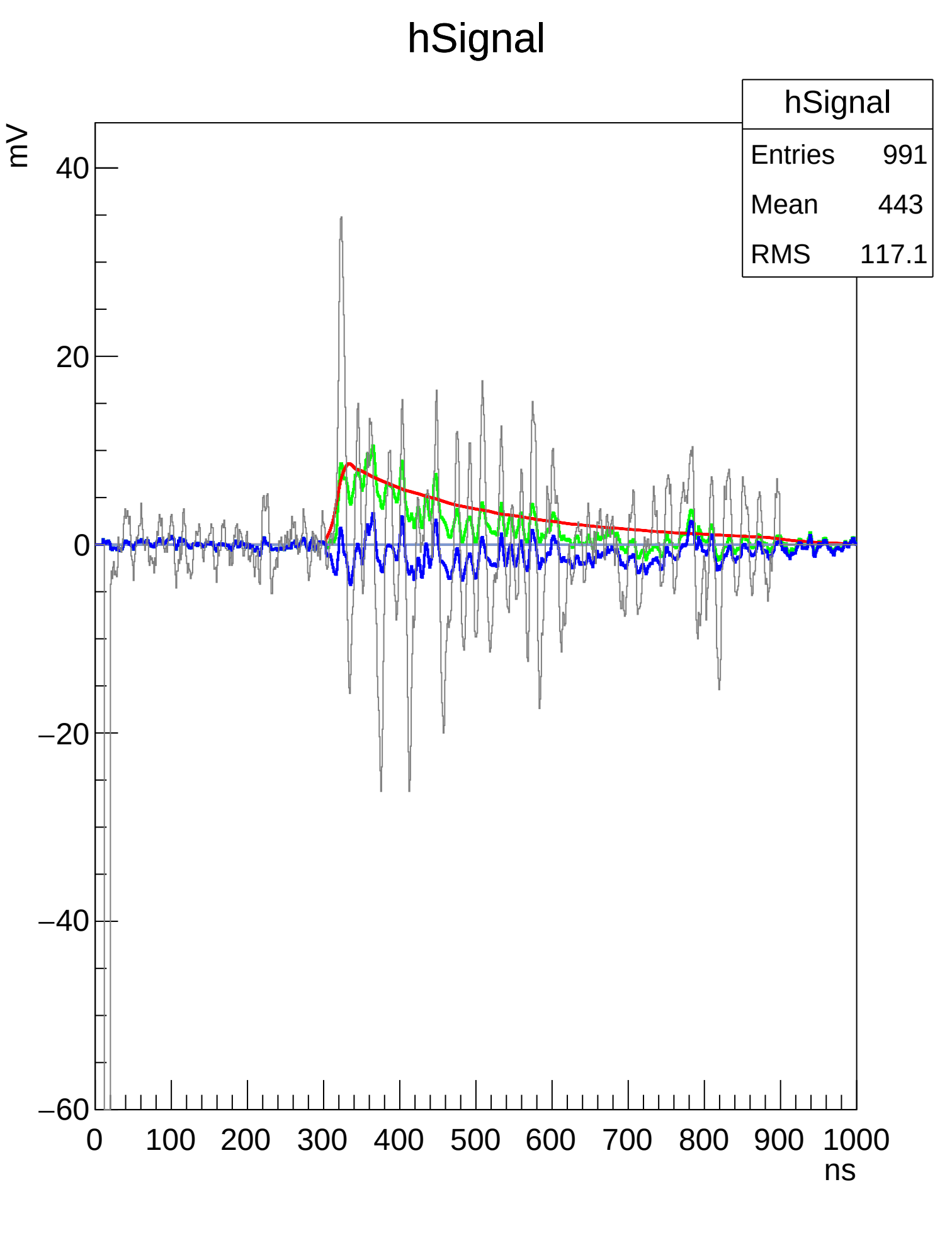
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 443
RMS 117.1
mV
40
20
0
−20
−40
−60
0
100
200
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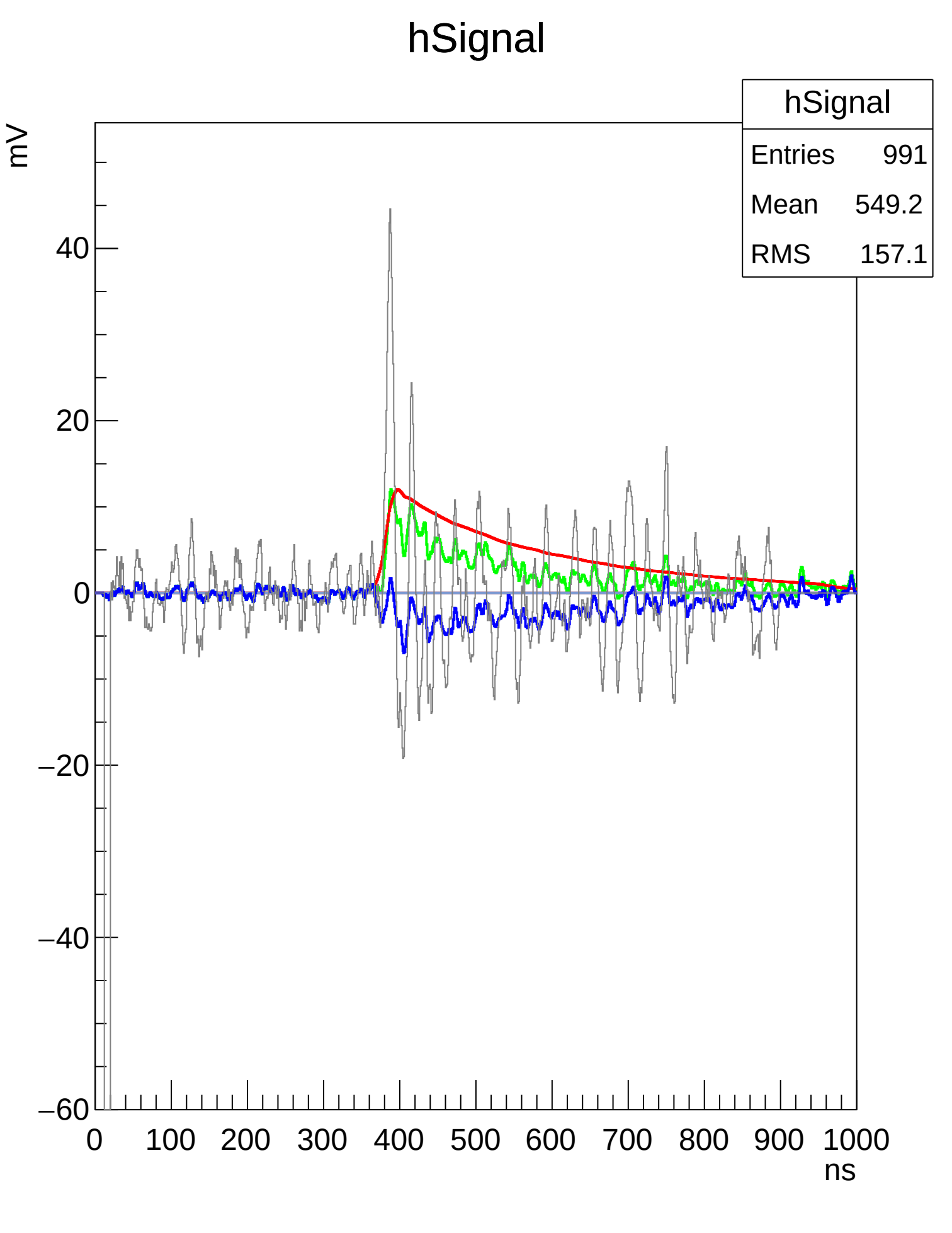
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.2
RMS 157.1
mV
40
20
0
−20
−40
−60
0
100
200
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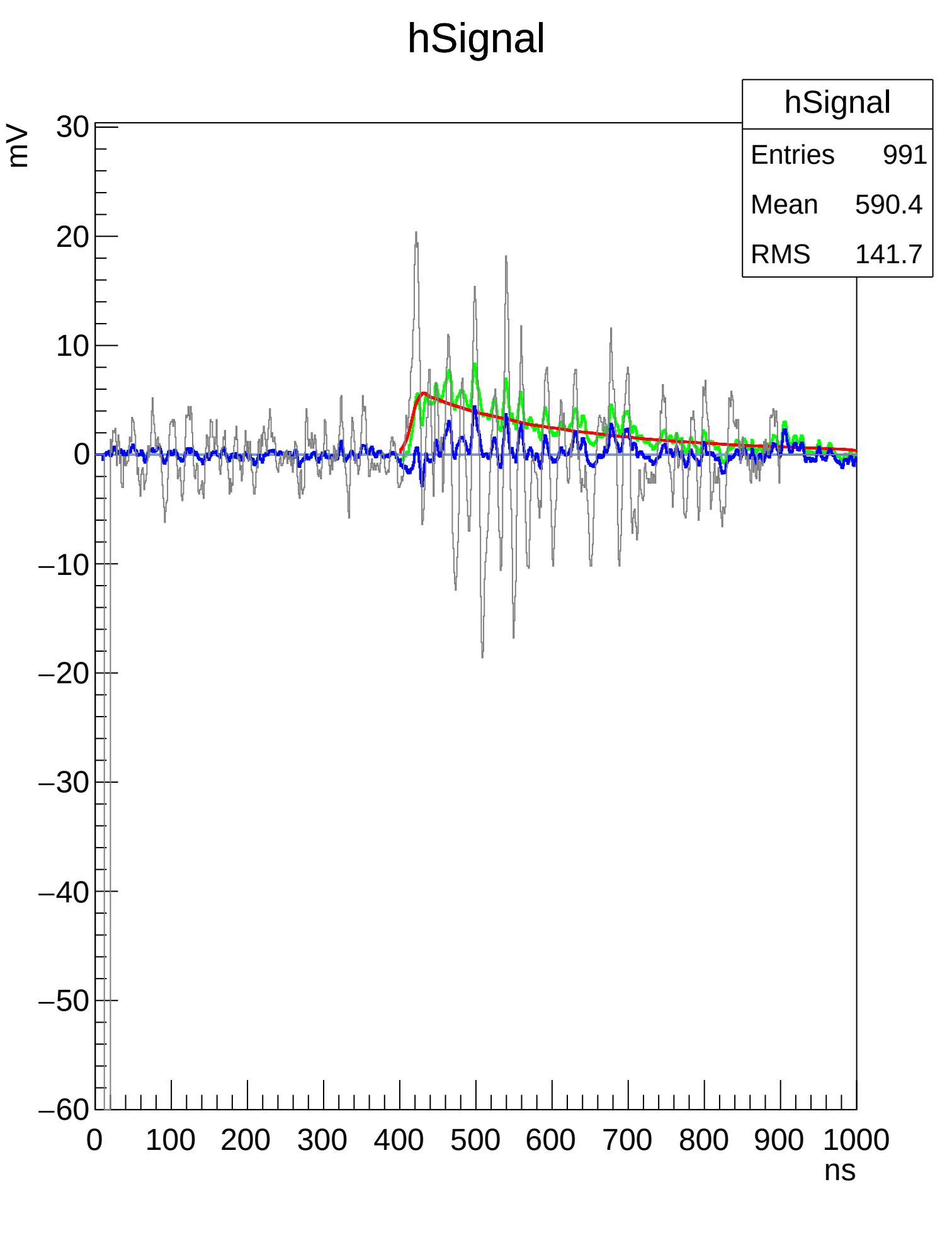
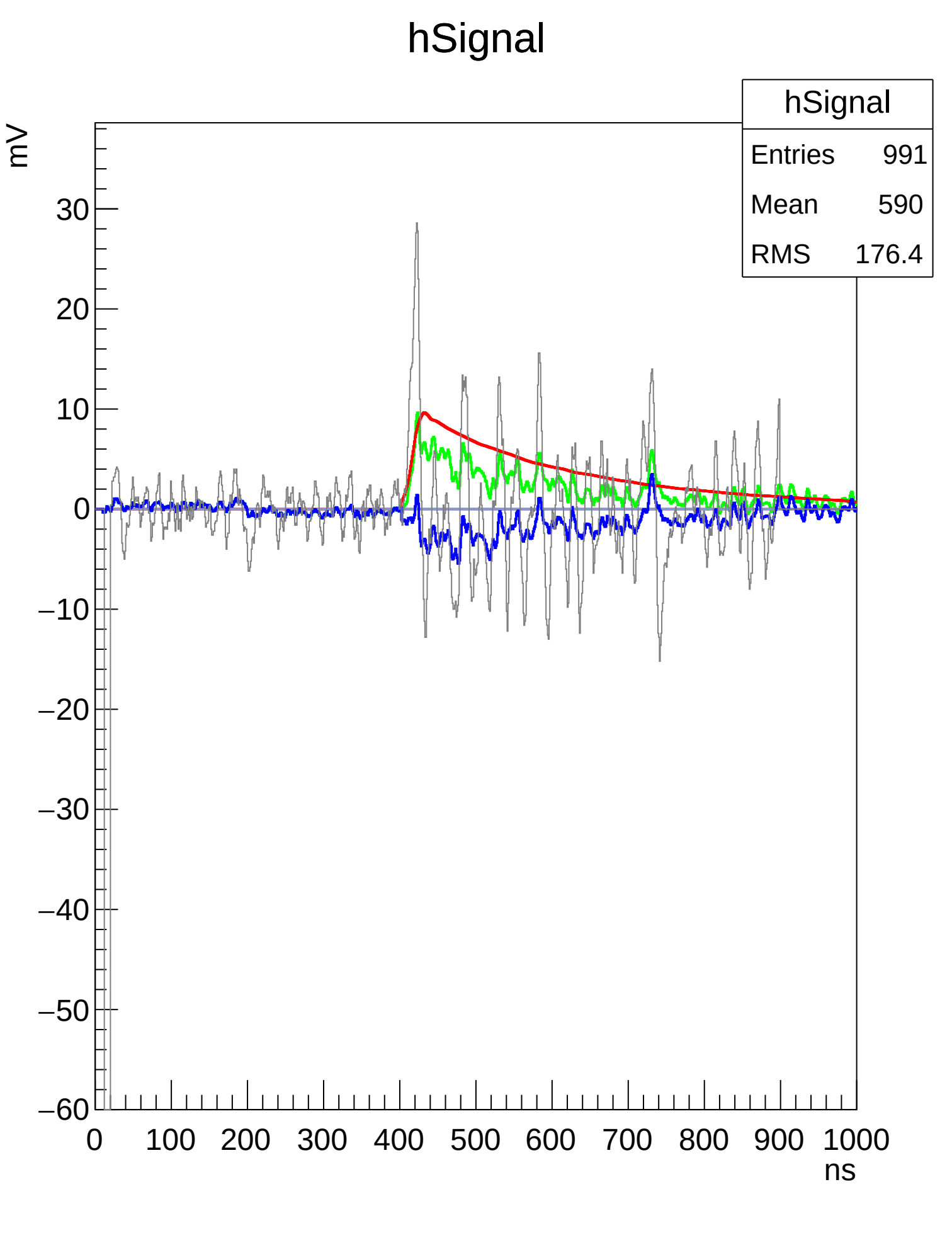
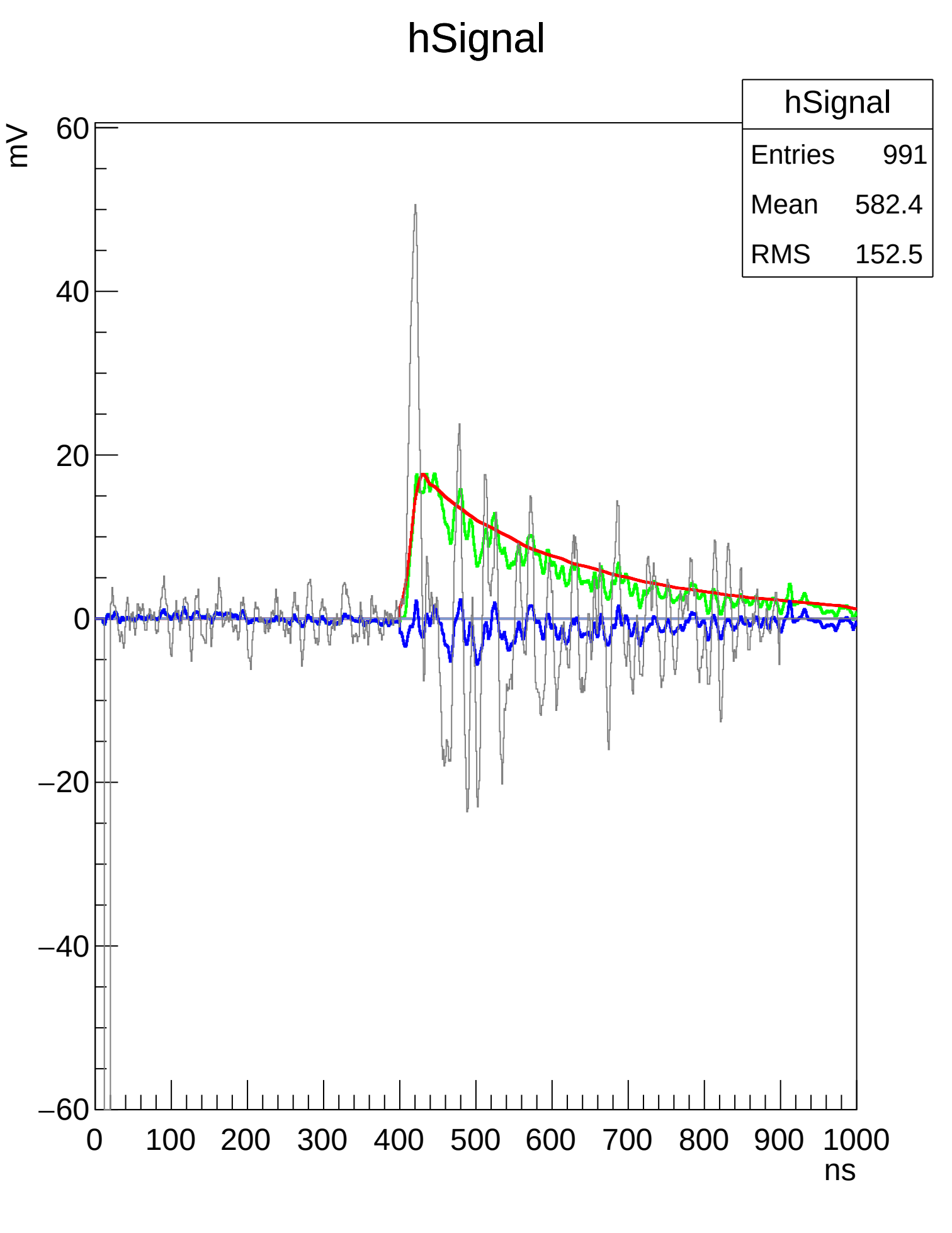
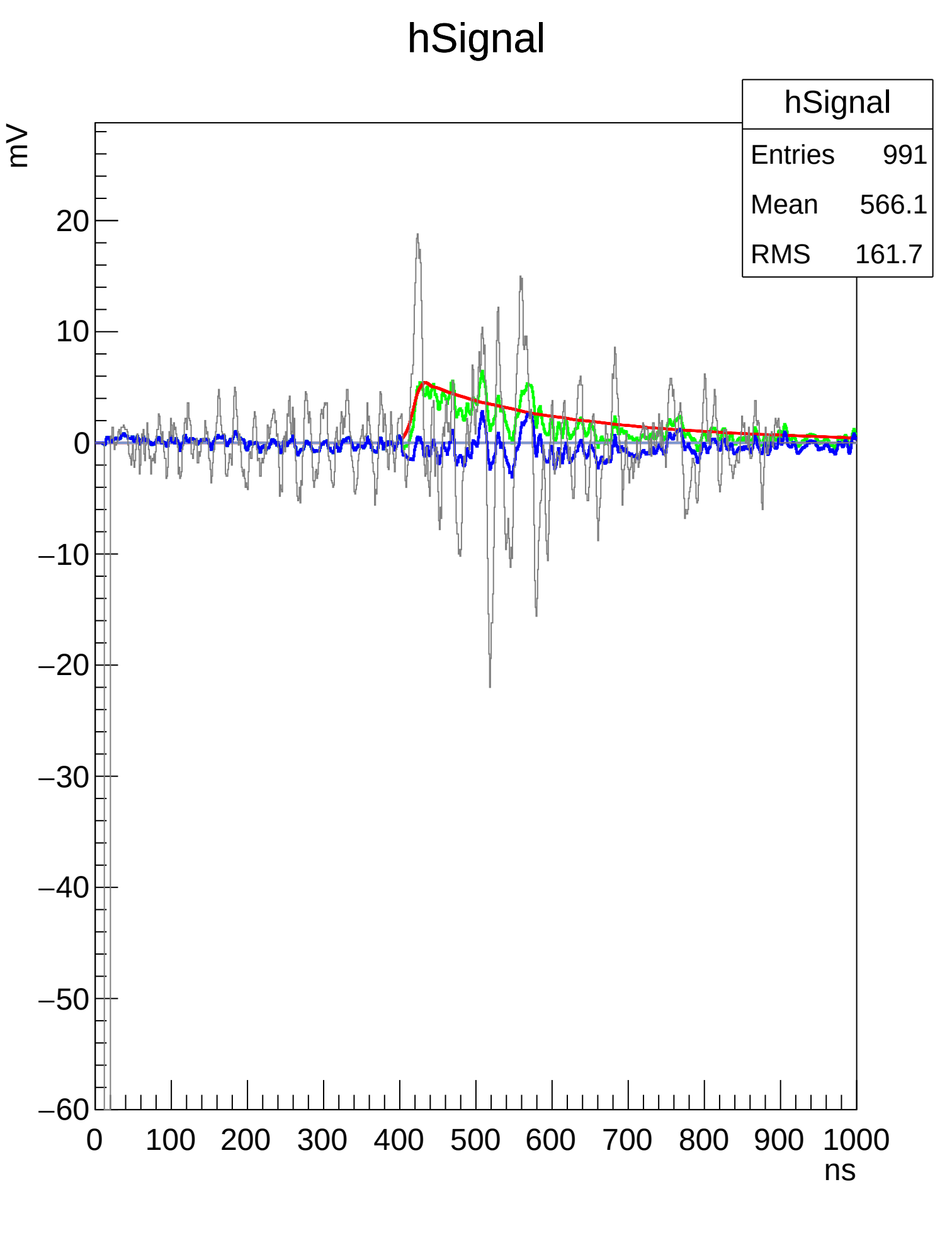
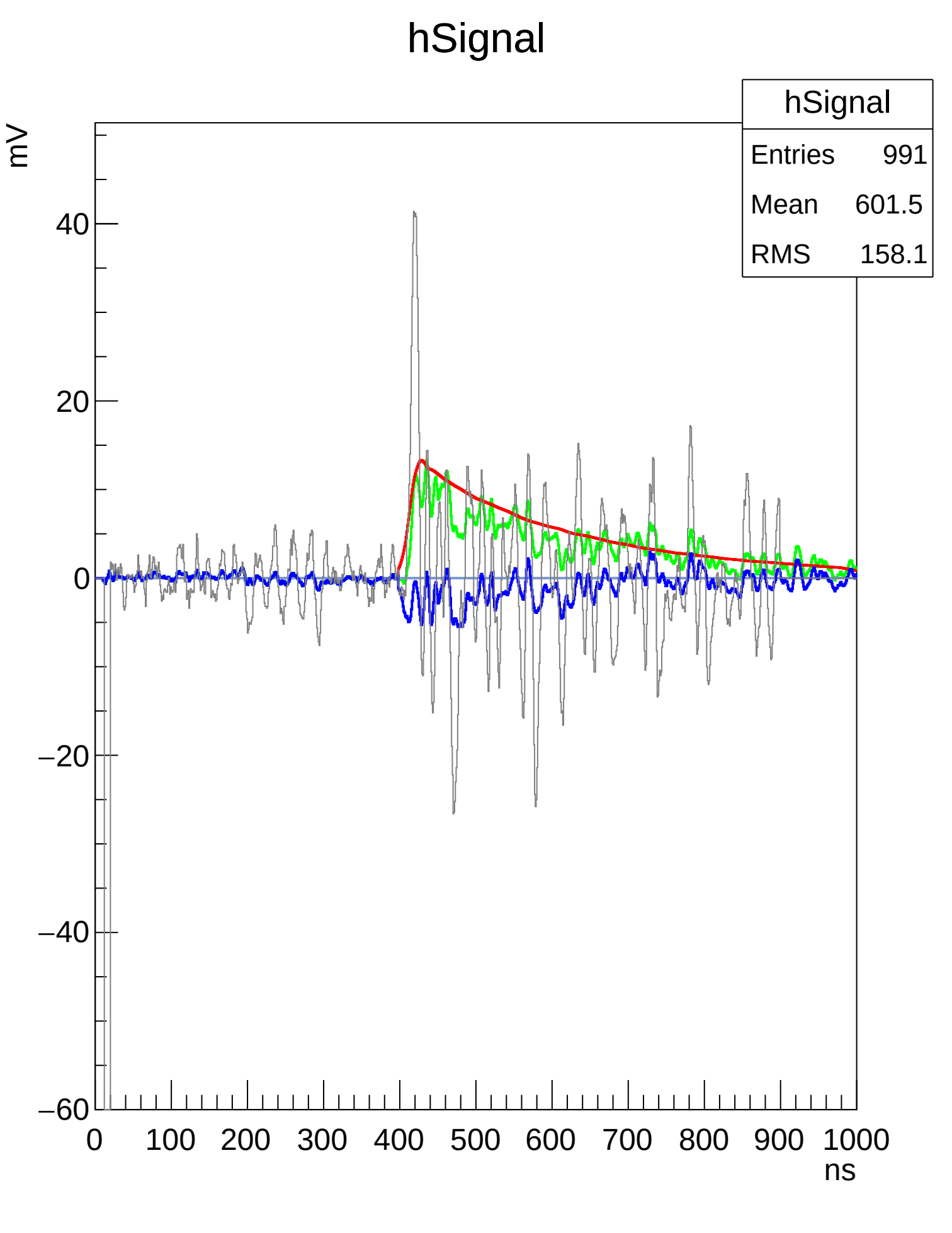
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.4
RMS 141.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 176.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.4
RMS 152.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.1
RMS 161.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.5
RMS 158.1
mV
40
20
0
−20
−40
−60
0
100
200
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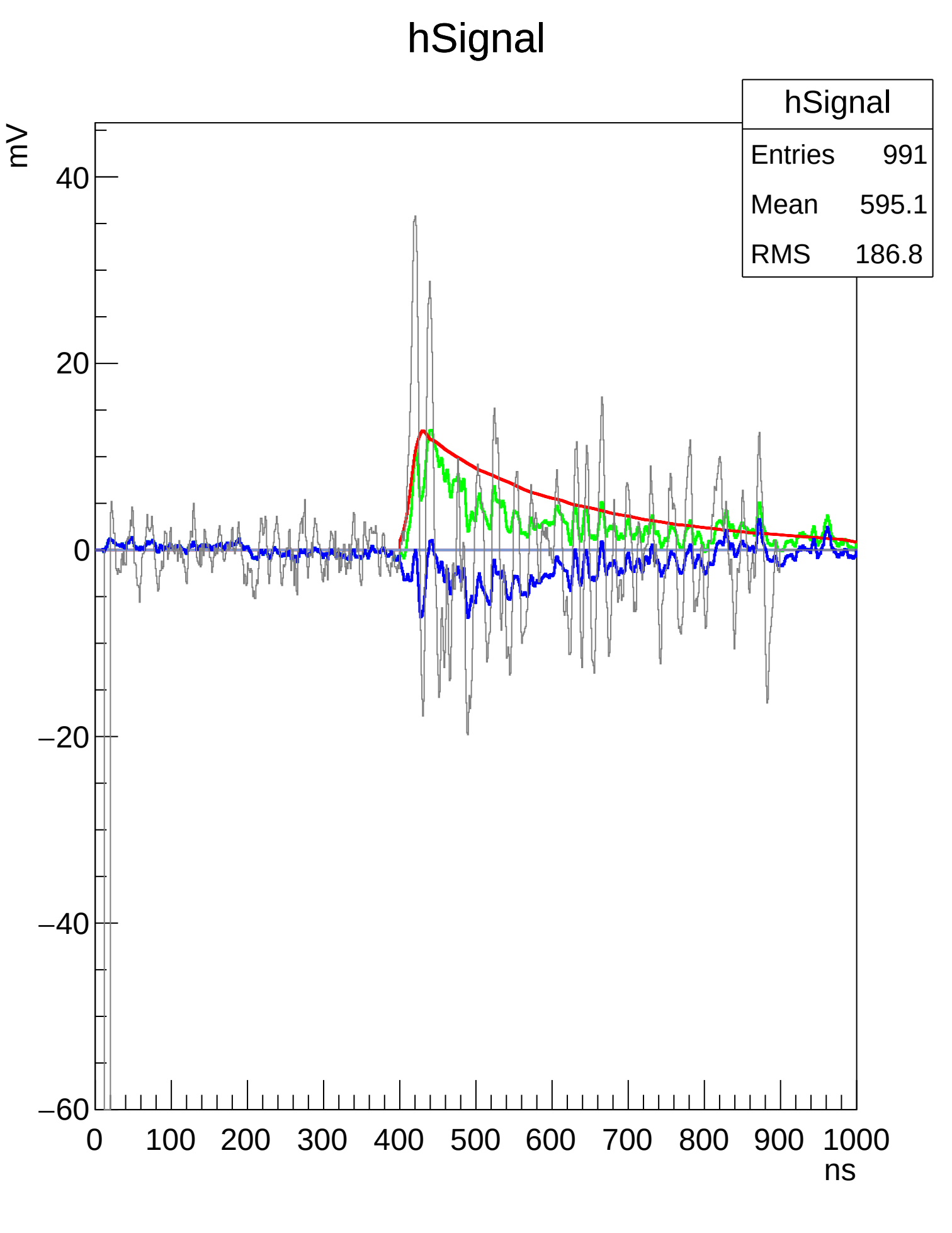
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.1
RMS 186.8
mV
40
20
0
−20
−40
−60
0
100
200
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400
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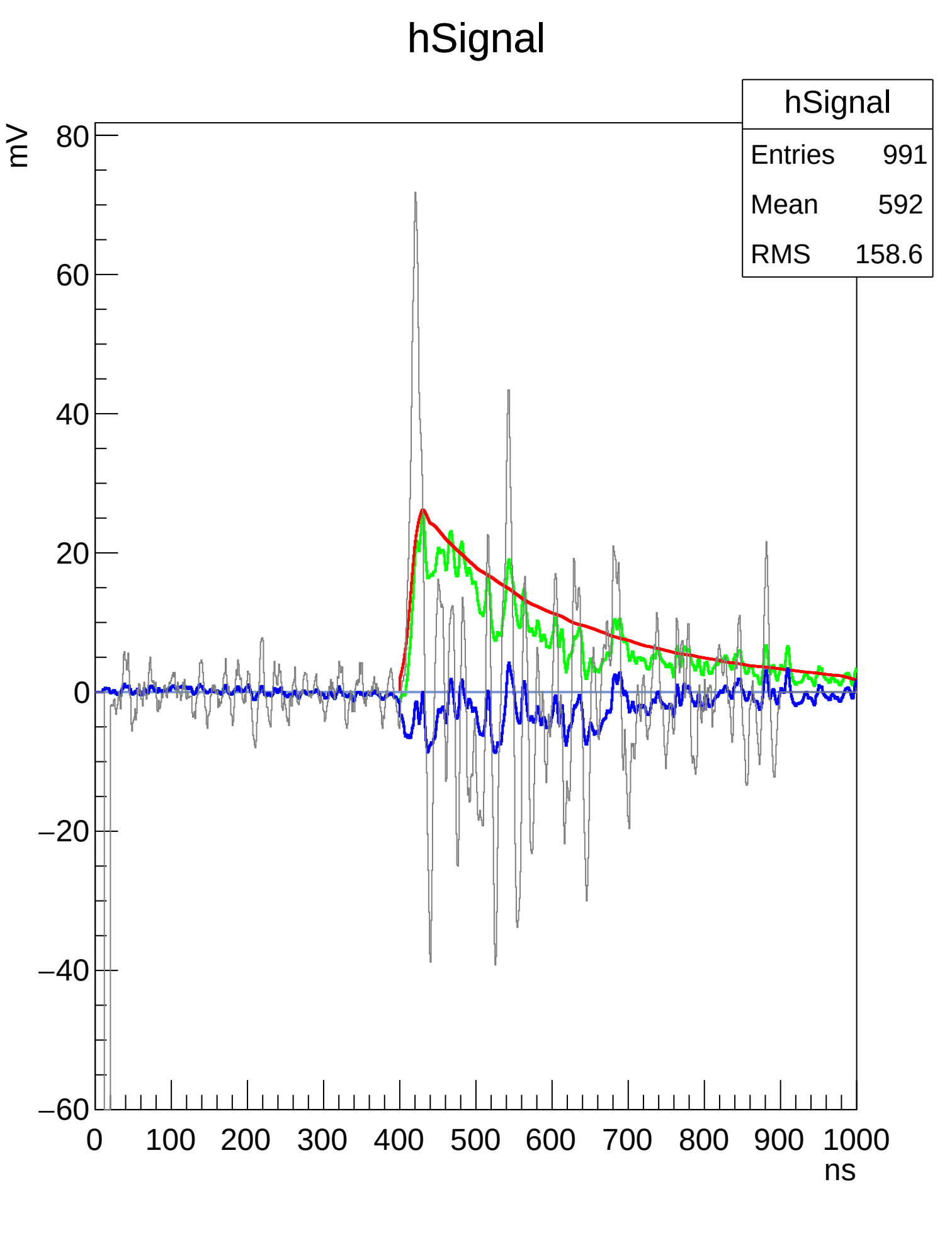
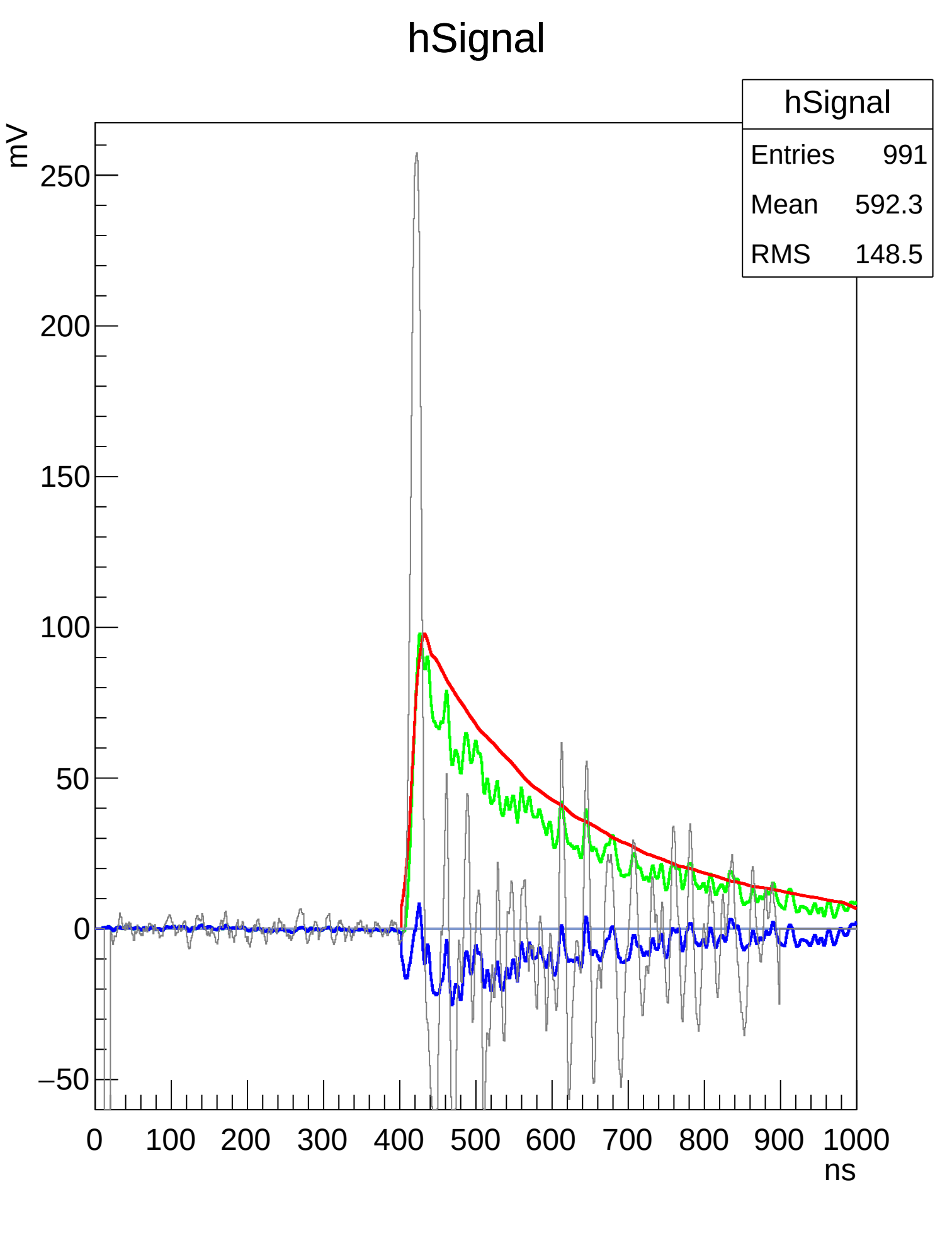
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592
RMS 158.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.3
RMS 148.5
mV
250
200
150
100
50
0
−50
0
100
200
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400
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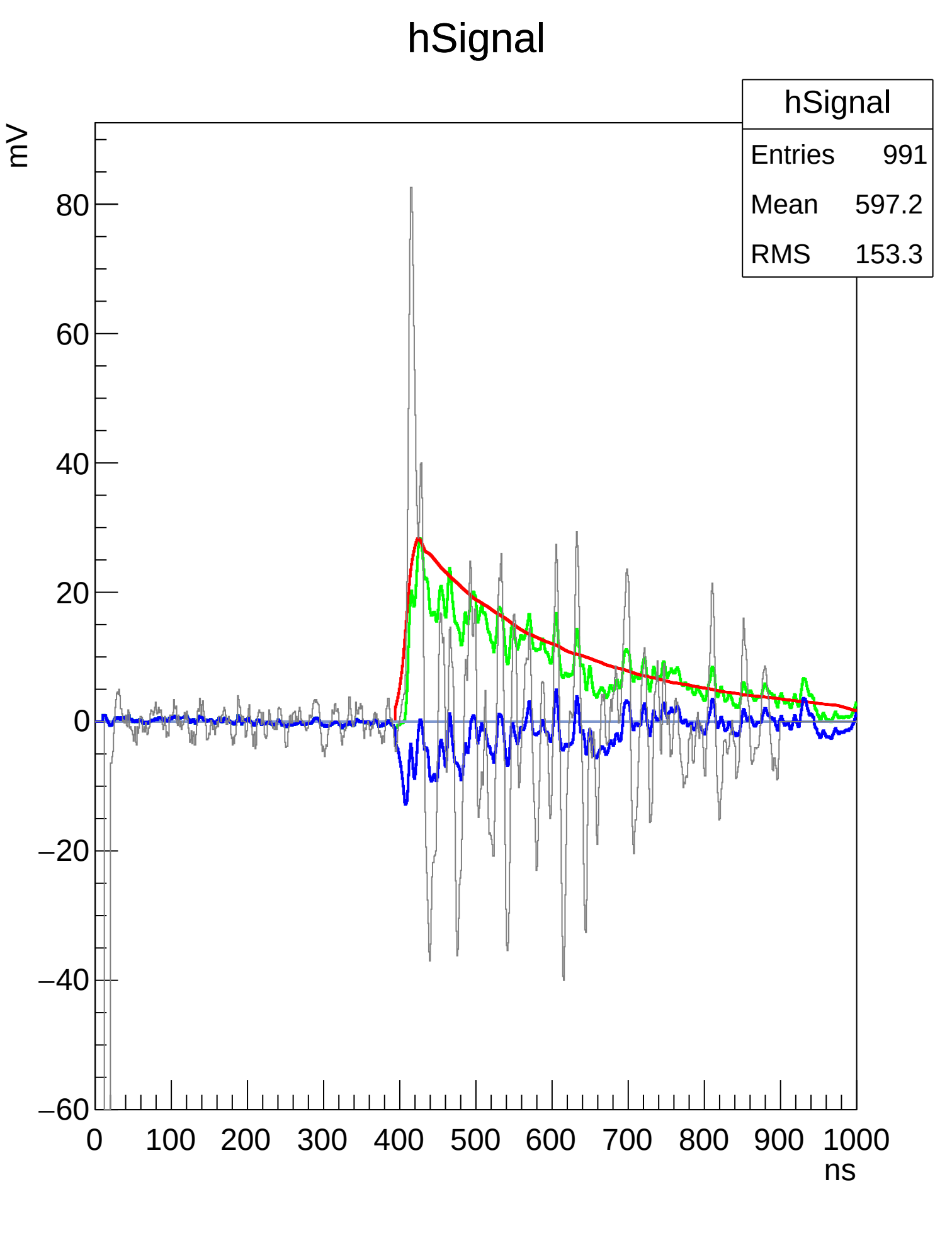
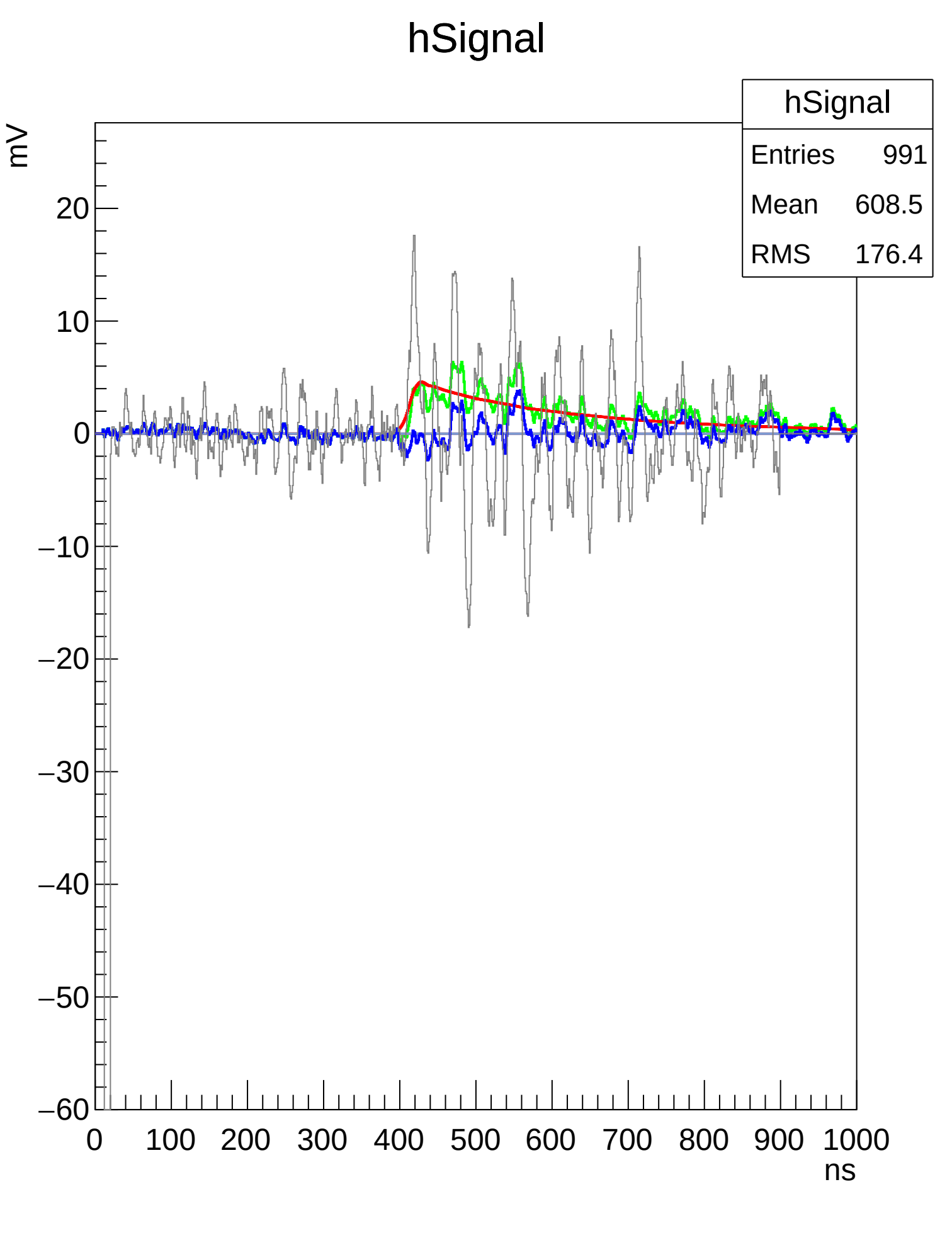
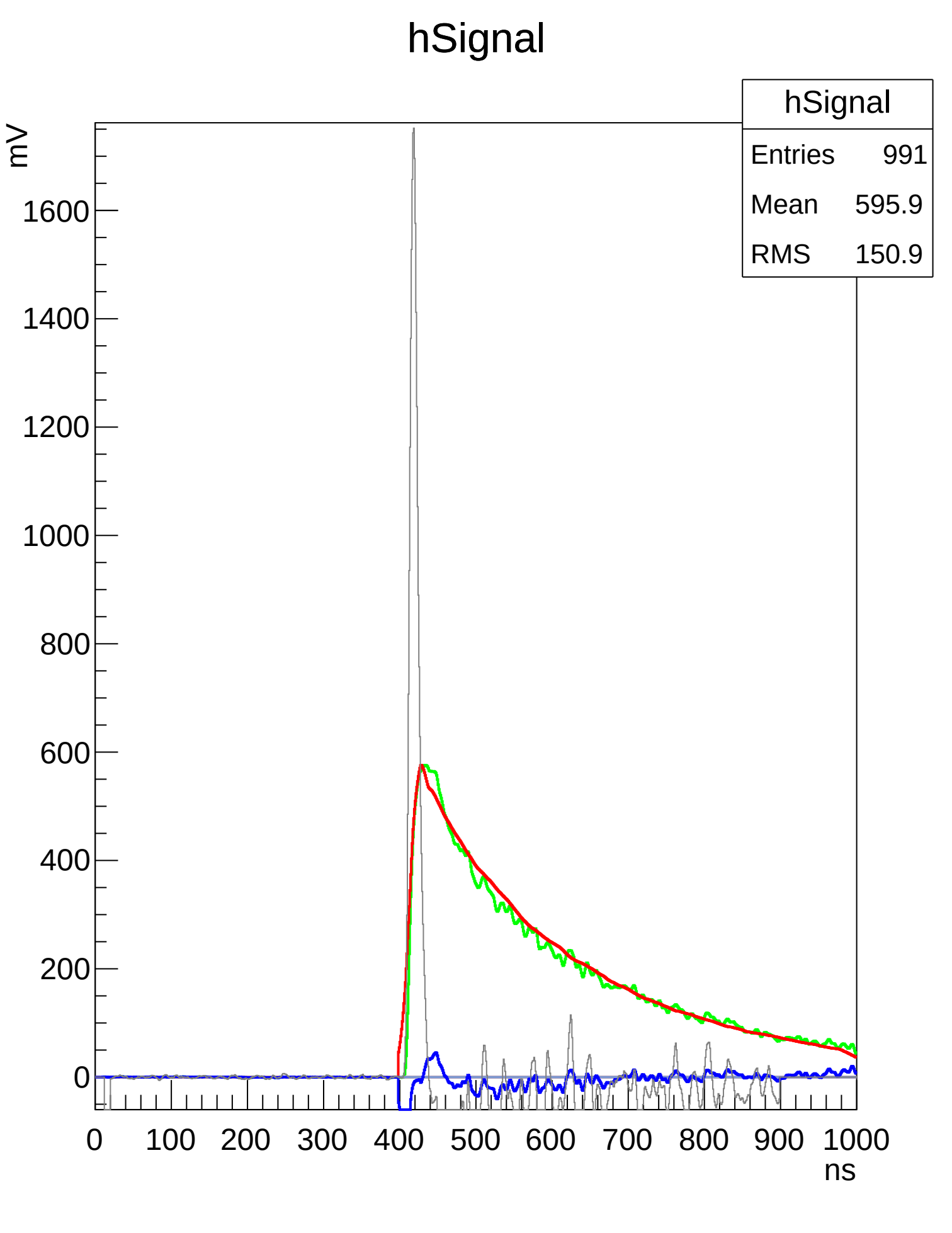
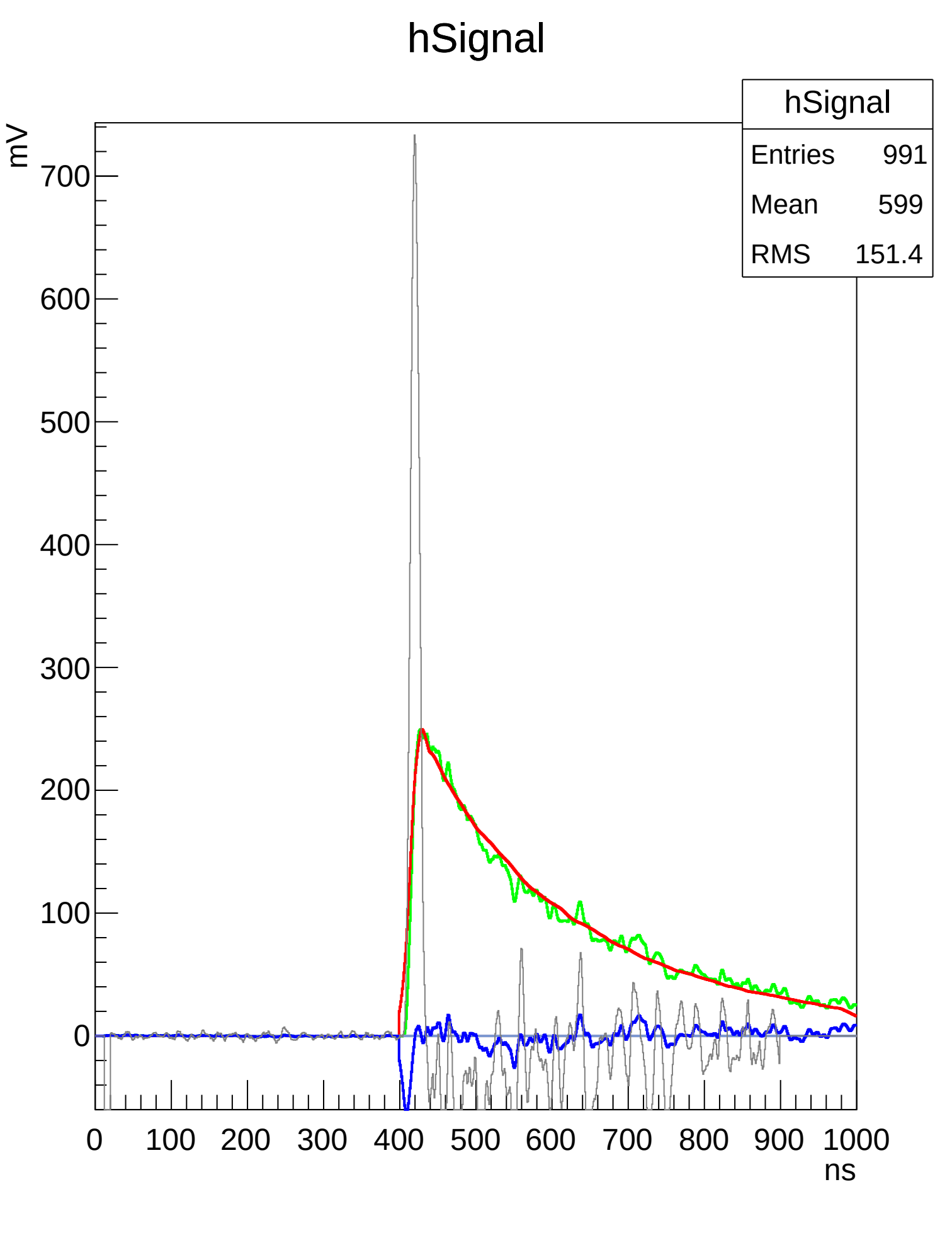
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.2
RMS 153.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.5
RMS 176.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.9
RMS 150.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599
RMS 151.4
mV
700
600
500
400
300
200
100
0
0
100
200
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400
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600
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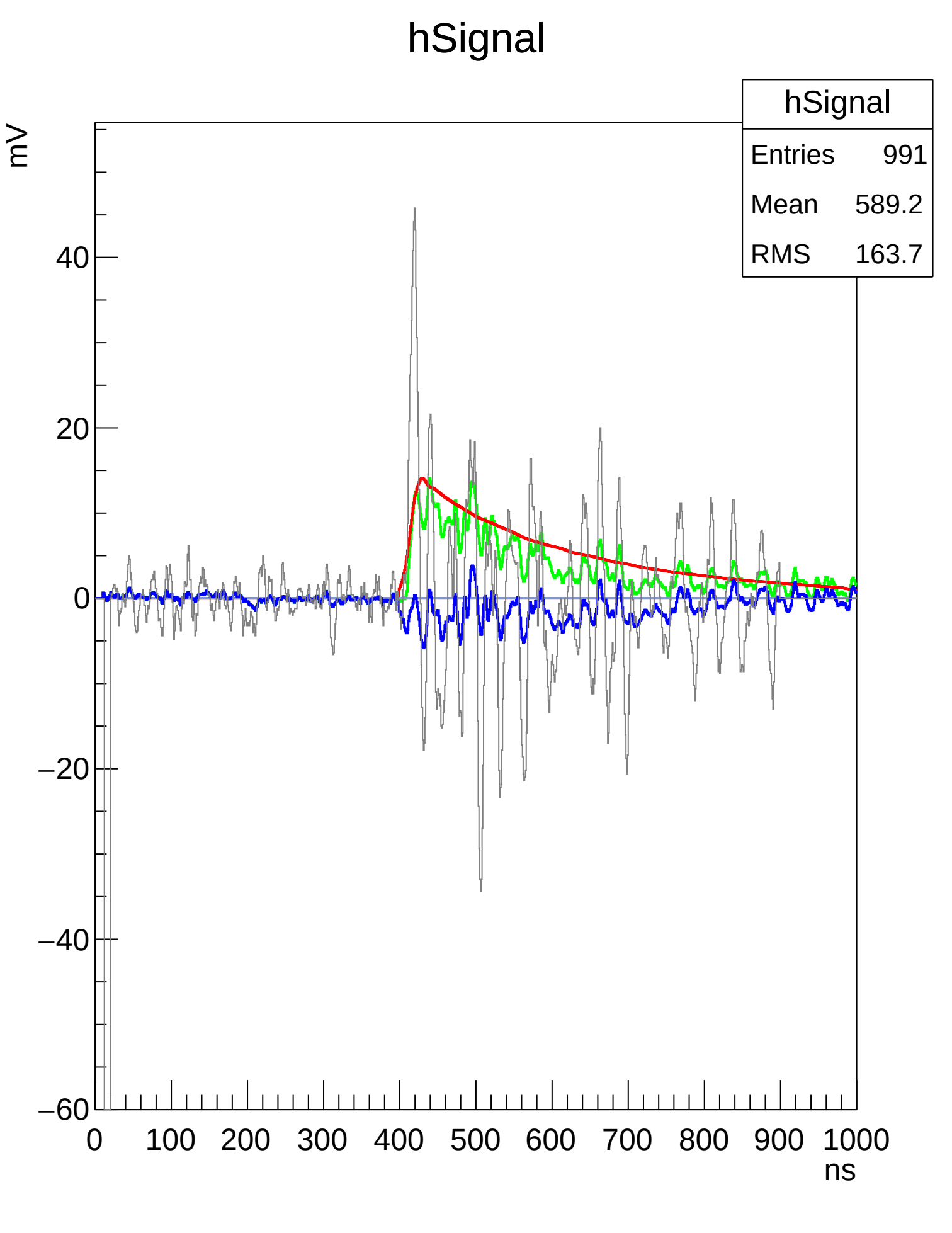
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 163.7
mV
40
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0
−20
−40
−60
0
100
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600
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800
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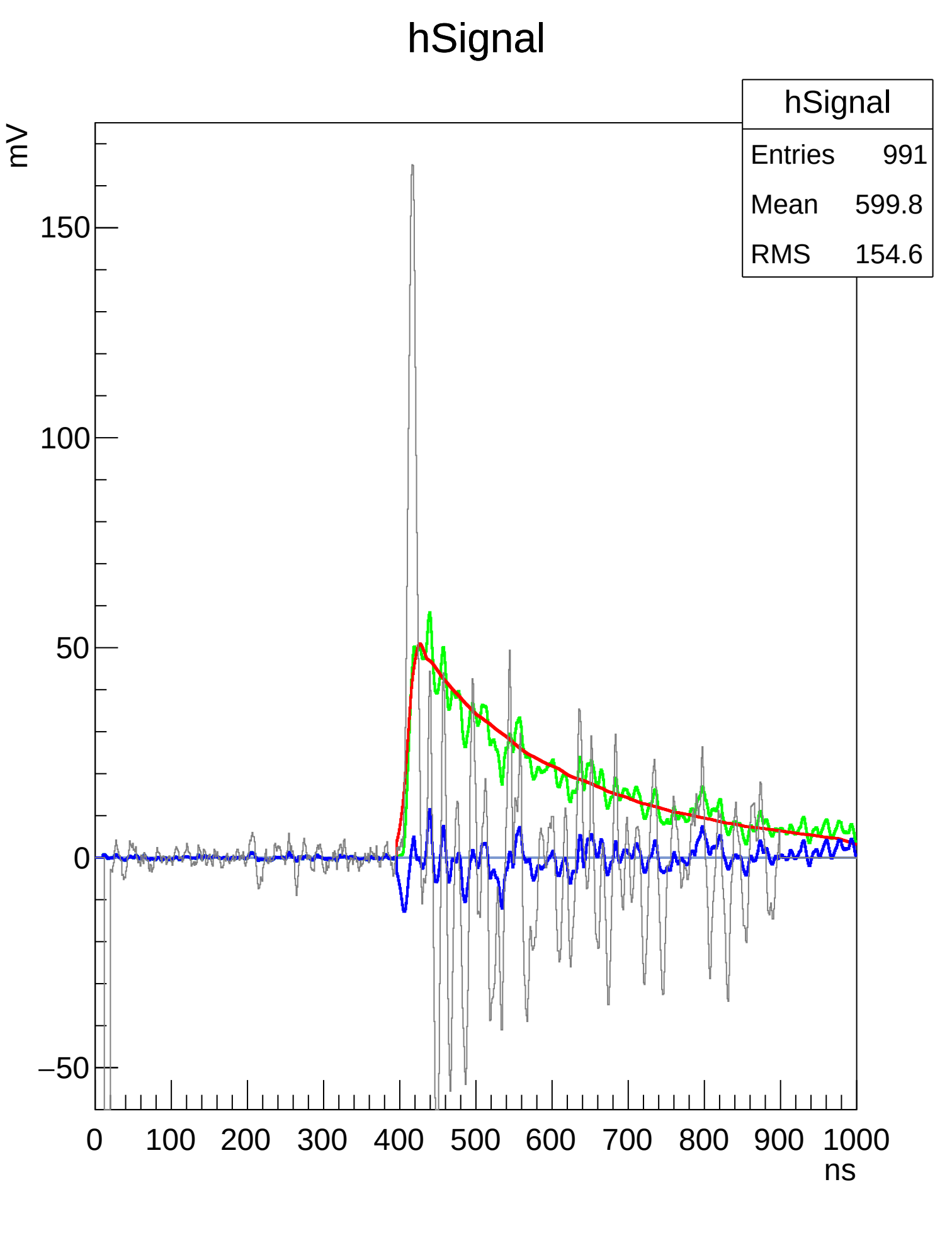
1000
ns


hSignal
hSignal
Entries 991
Mean 599.8
RMS 154.6
mV
150
100
50
0
−50
0
100
200
300
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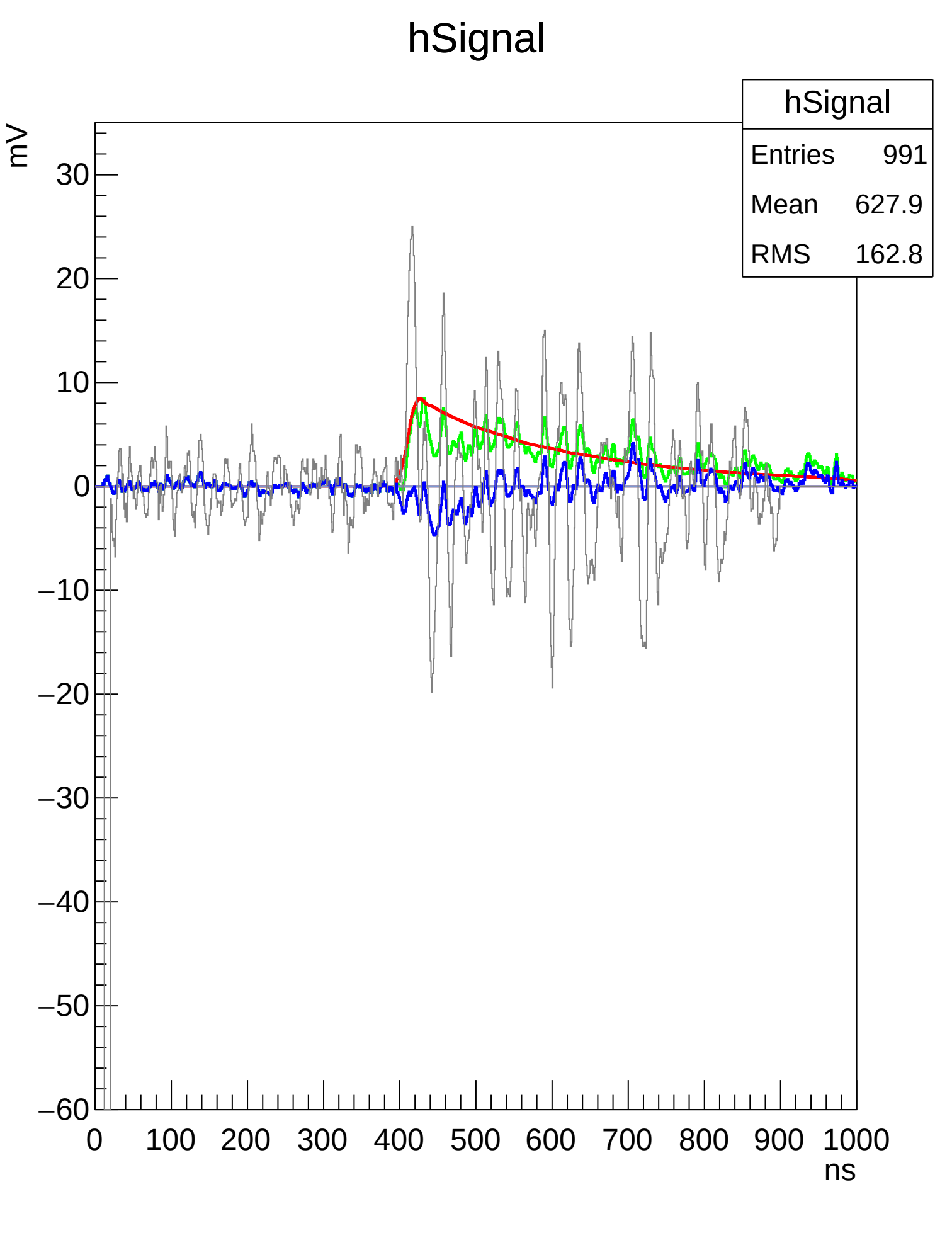
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.9
RMS 162.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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600
700
800
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1000
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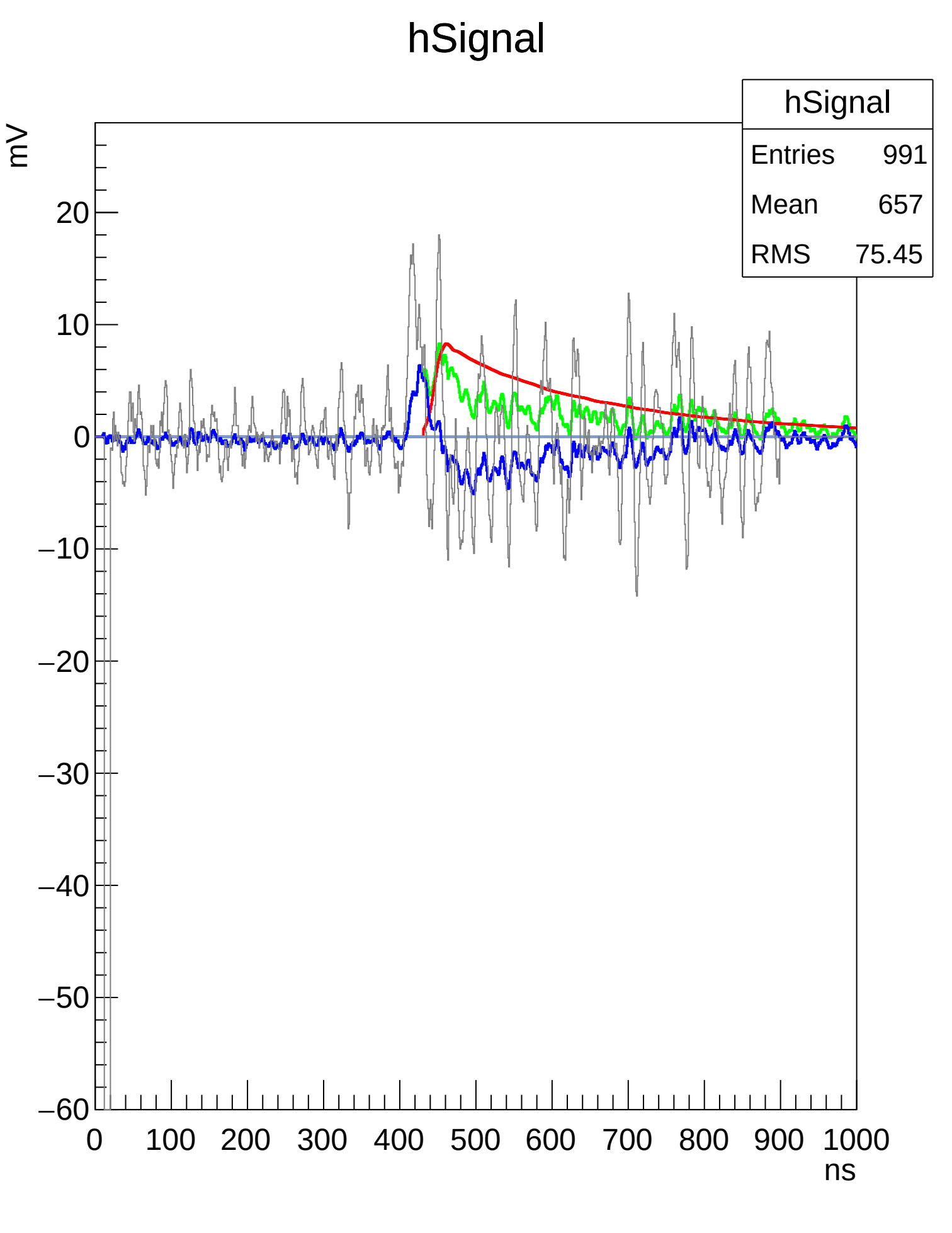
hSignal
hSignal
Entries 991
Mean 657
RMS 75.45
mV
20
10
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−40
−50
−60
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400
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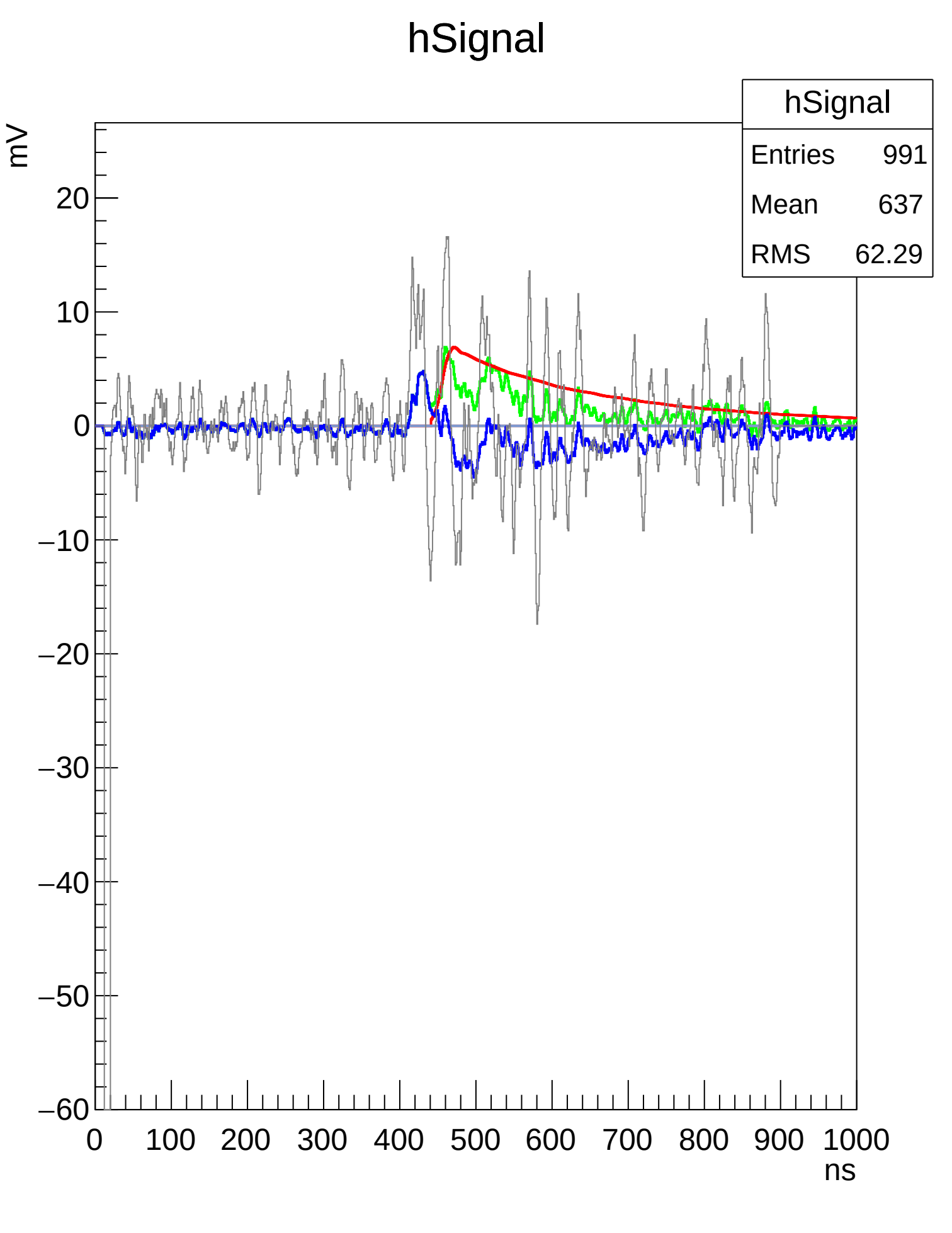
1000
ns


hSignal
hSignal
Entries 991
Mean 637
RMS 62.29
mV
20
10
0
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−20
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−60
0
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400
500
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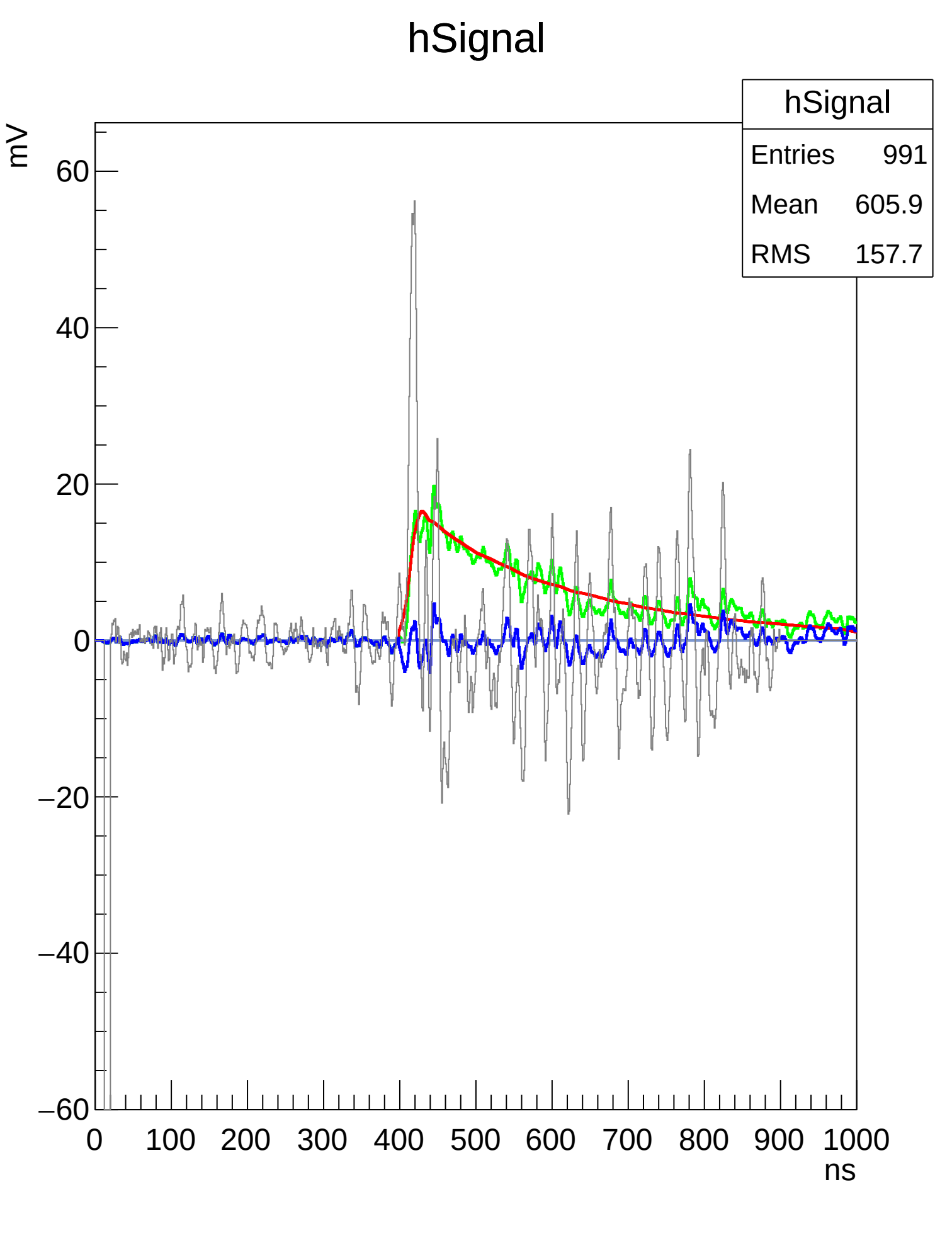
1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 157.7
mV
60
40
20
0
−20
−40
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0
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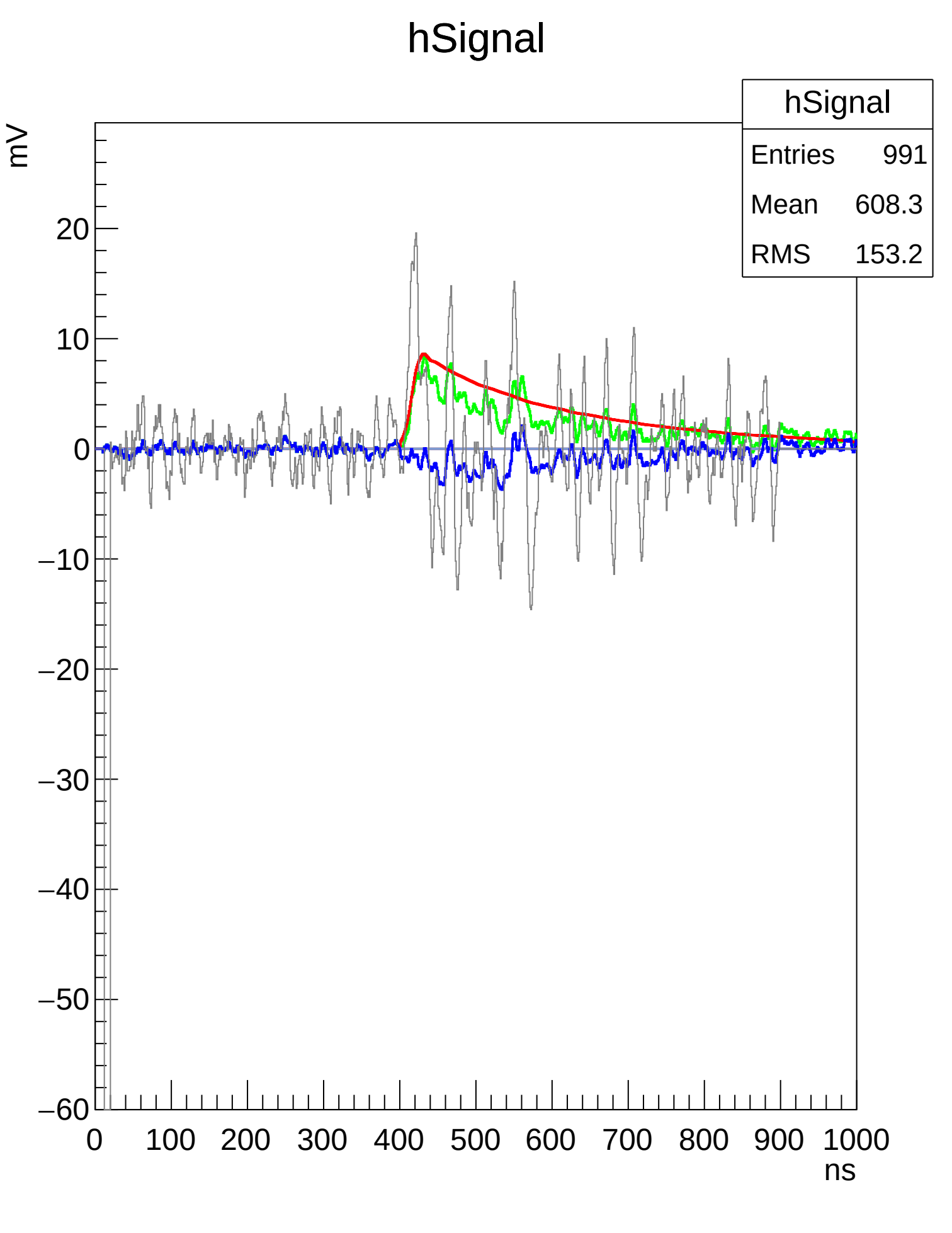
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.3
RMS 153.2
mV
20
10
0
−10
−20
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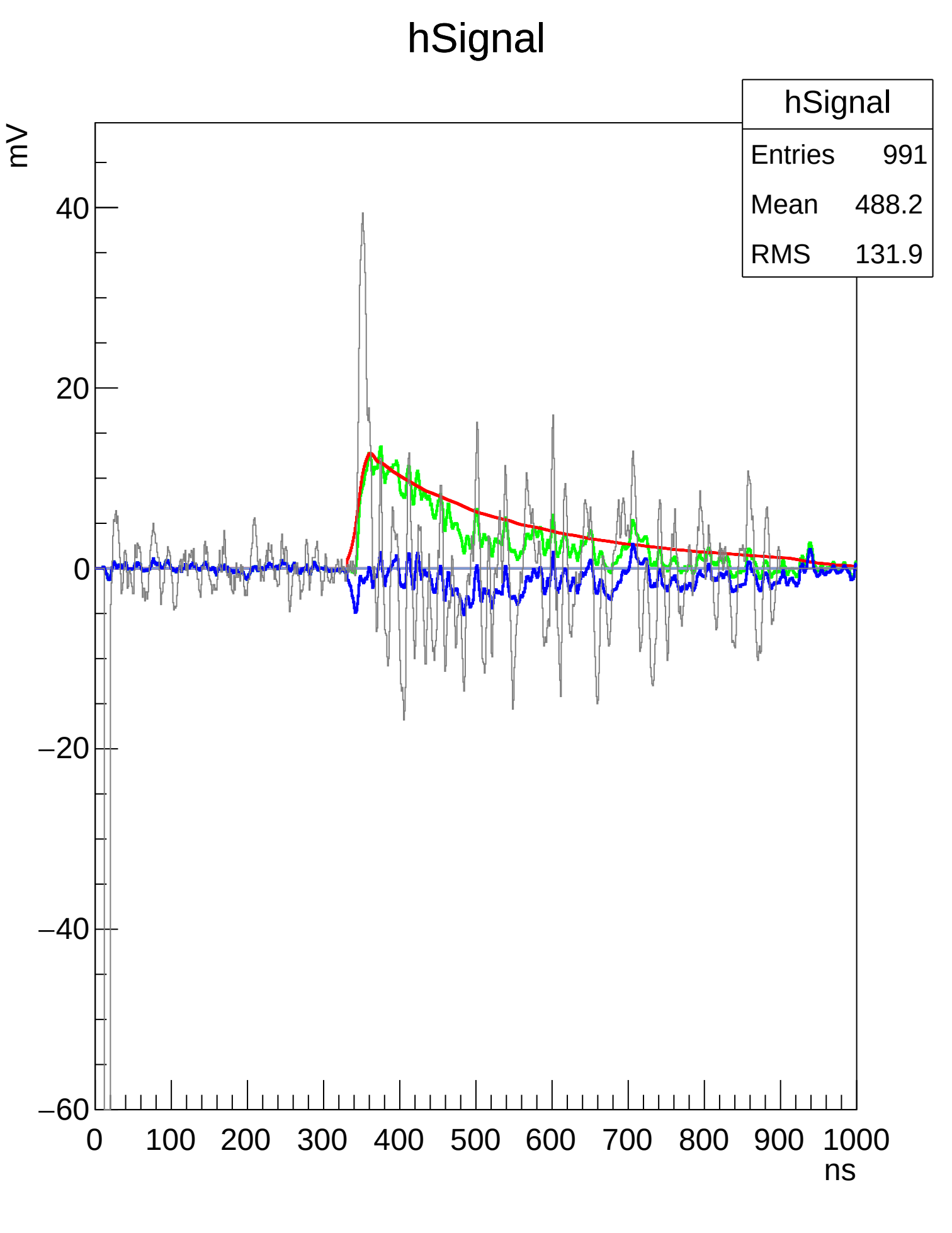
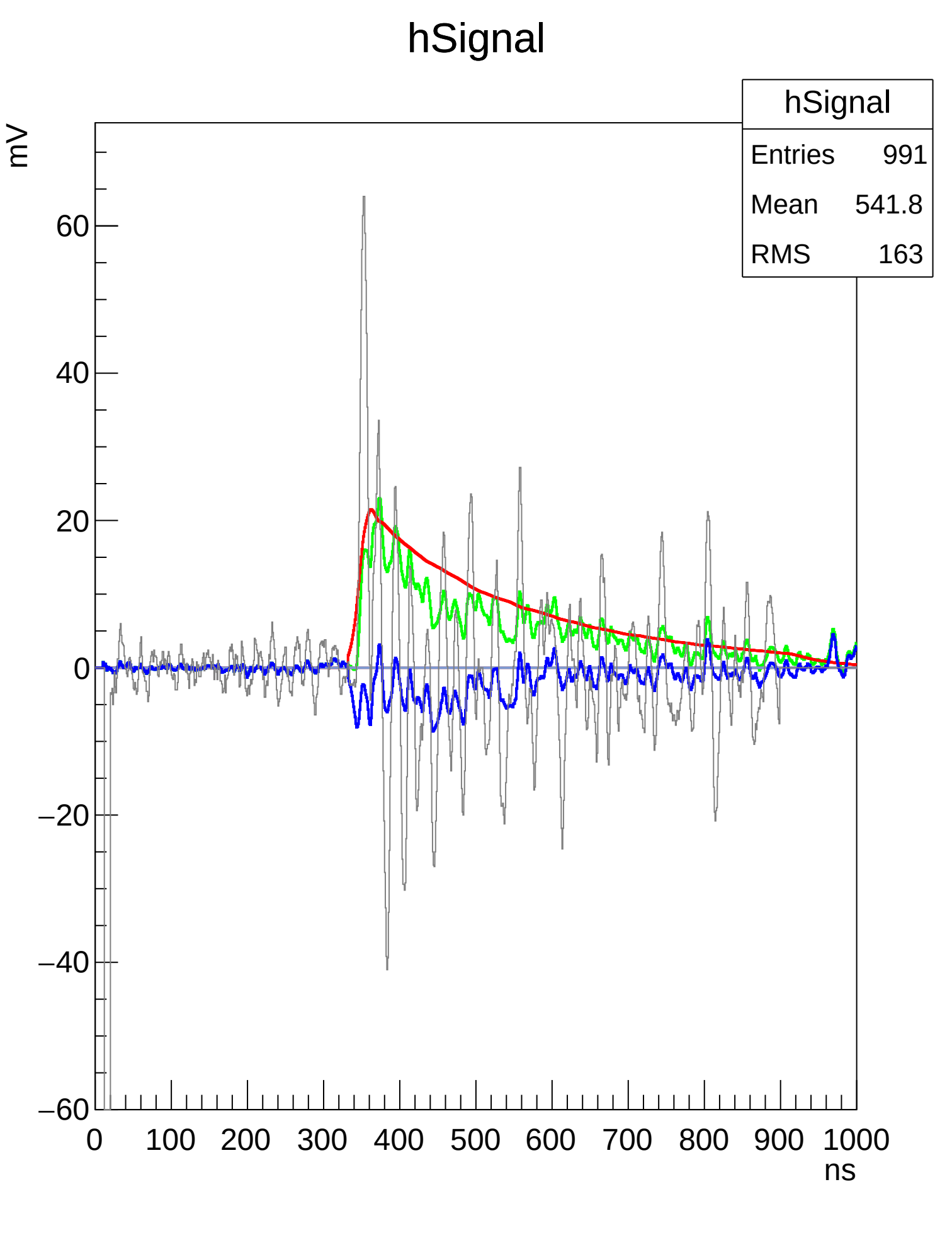
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.2
RMS 131.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.8
RMS 163
mV
60
40
20
0
−20
−40
−60
0
100
200
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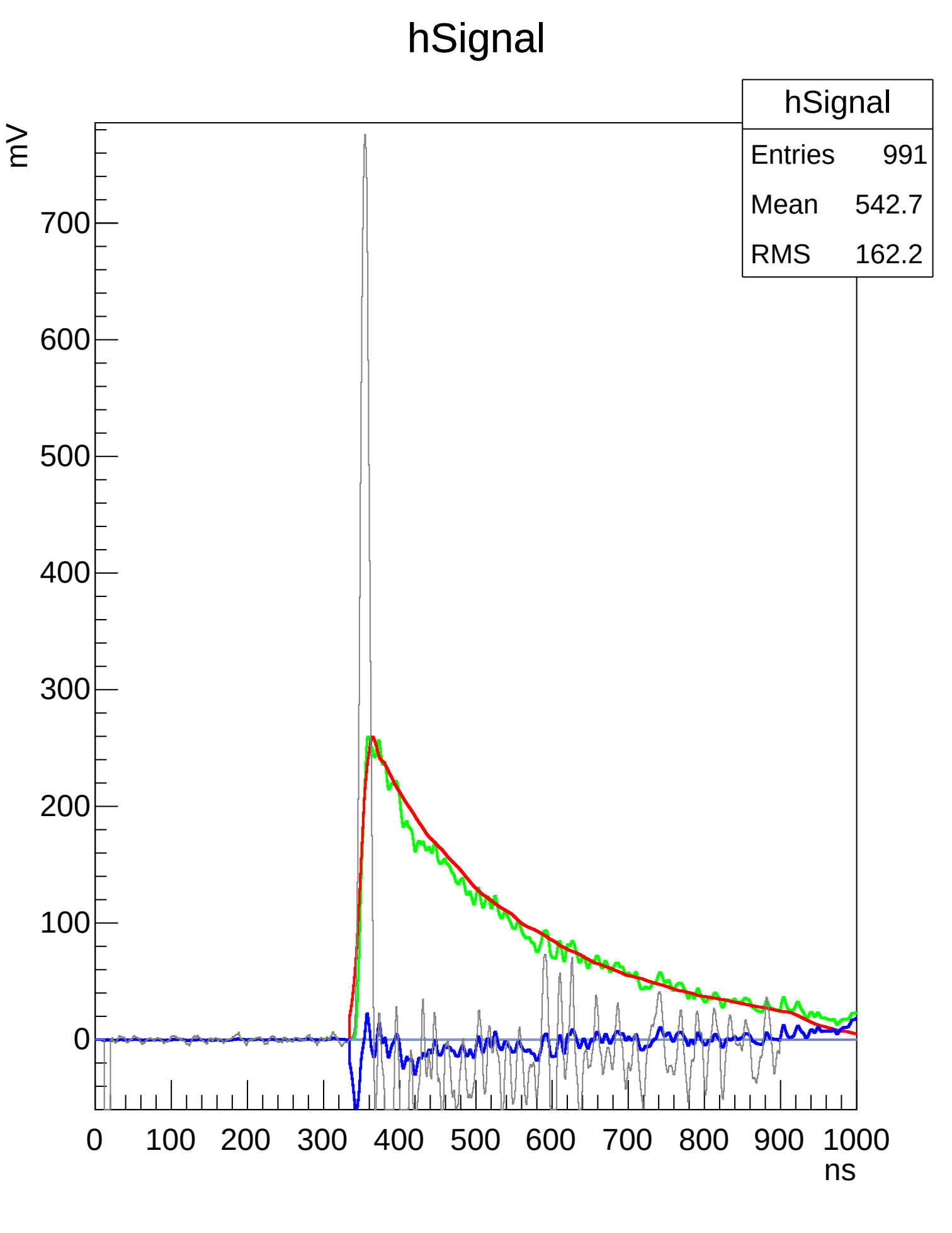
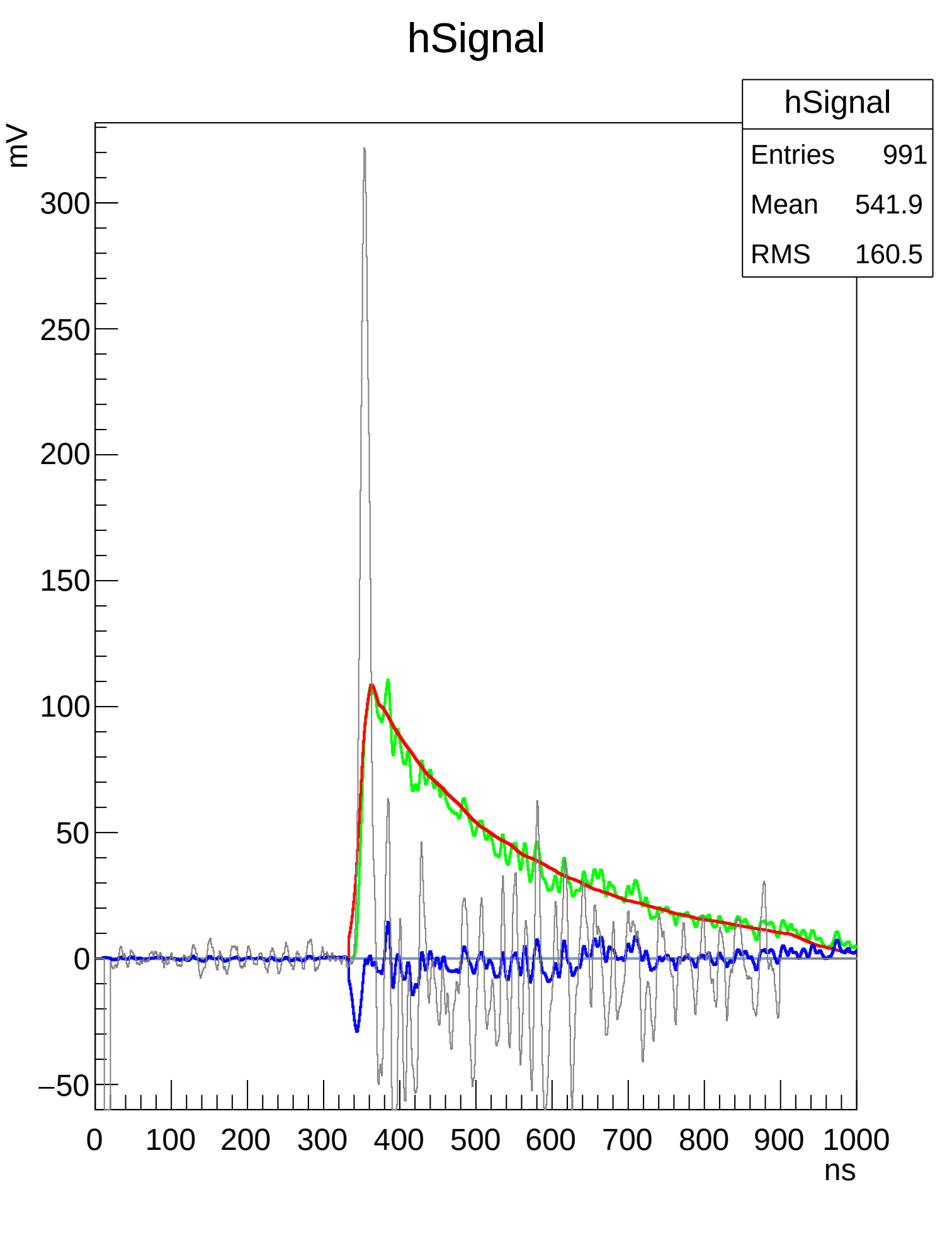
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.7
RMS 162.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.9
RMS 160.5
mV
300
250
200
150
100
50
0
−50
0
100
200
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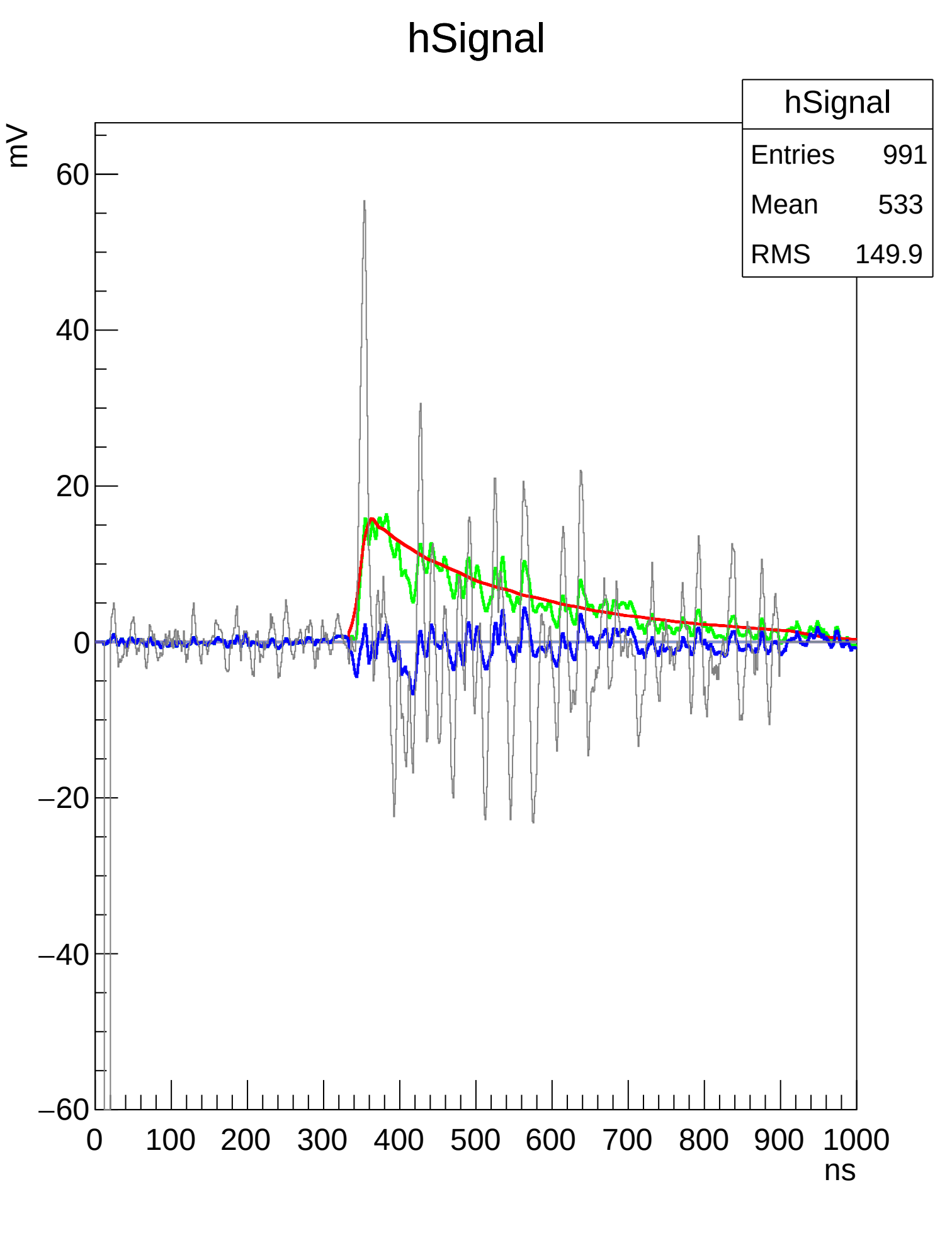
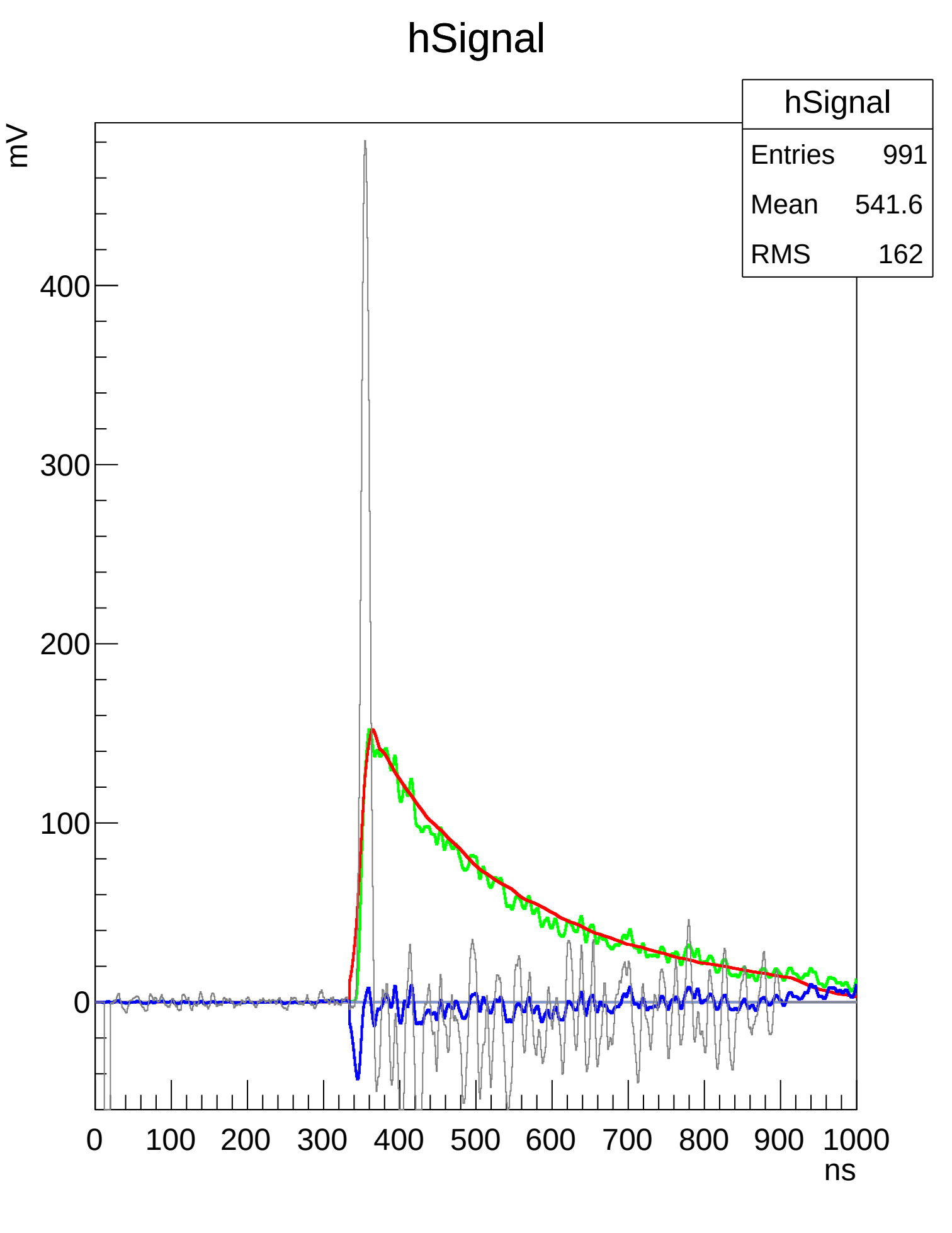
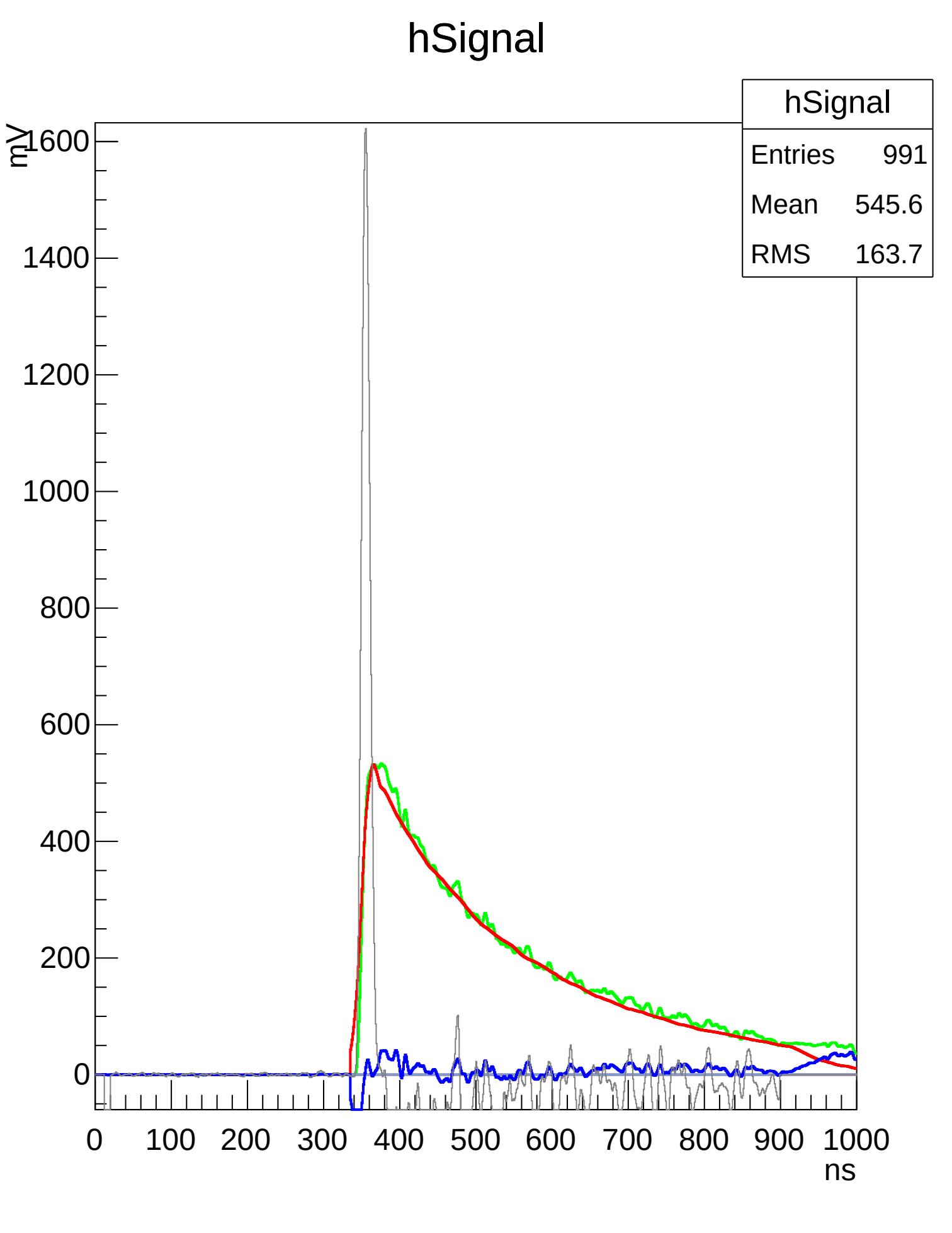
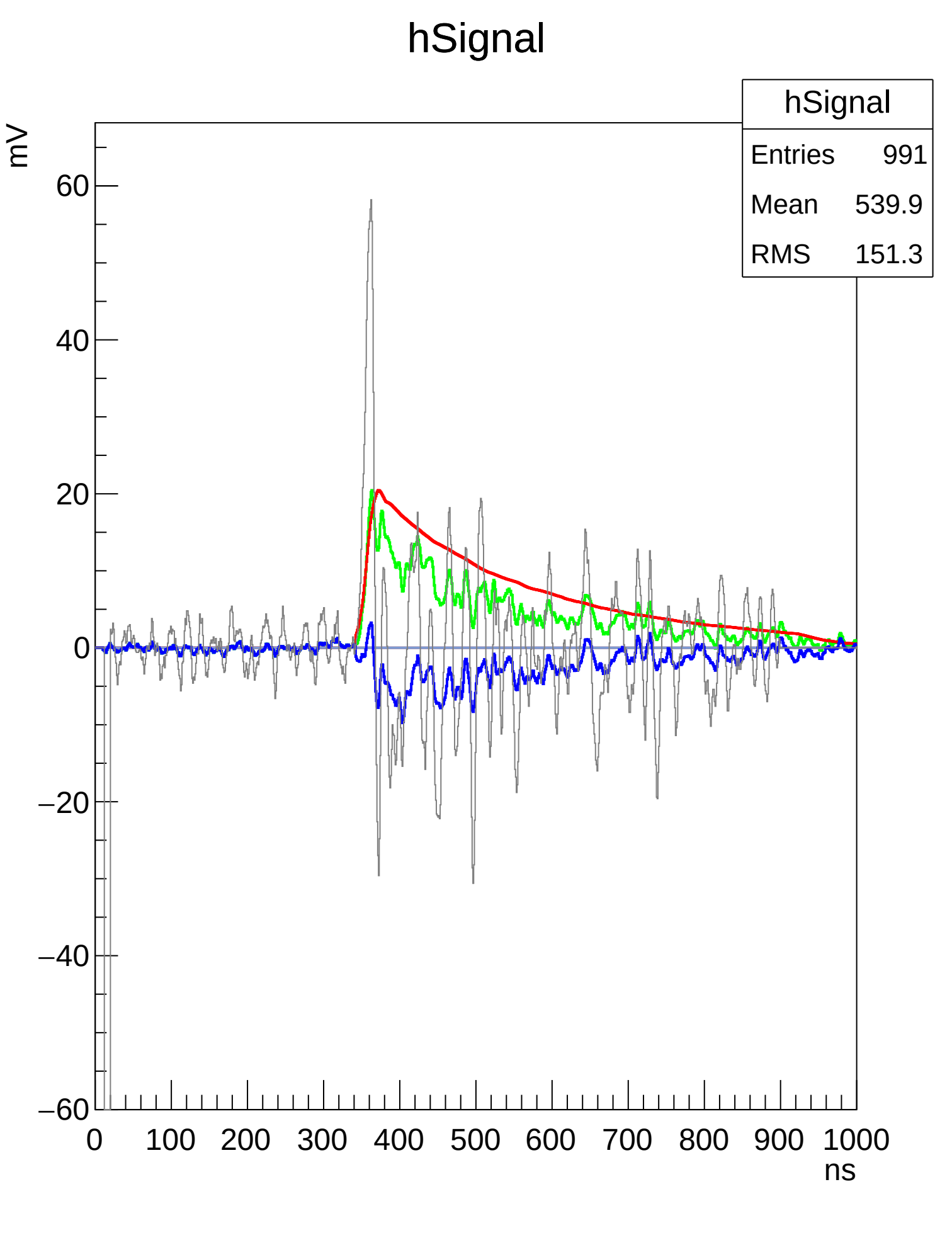
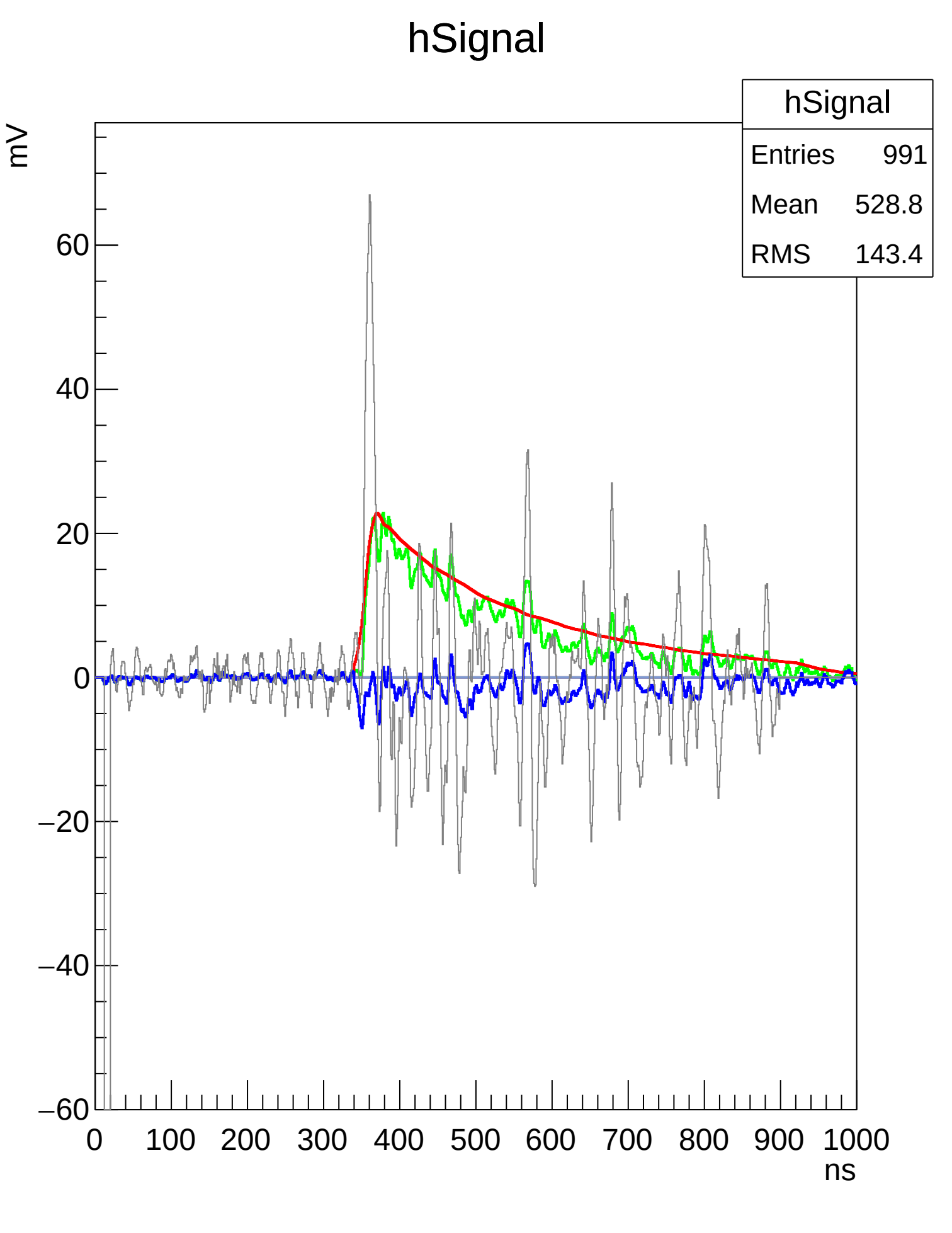
600
700
800
900
1000
ns

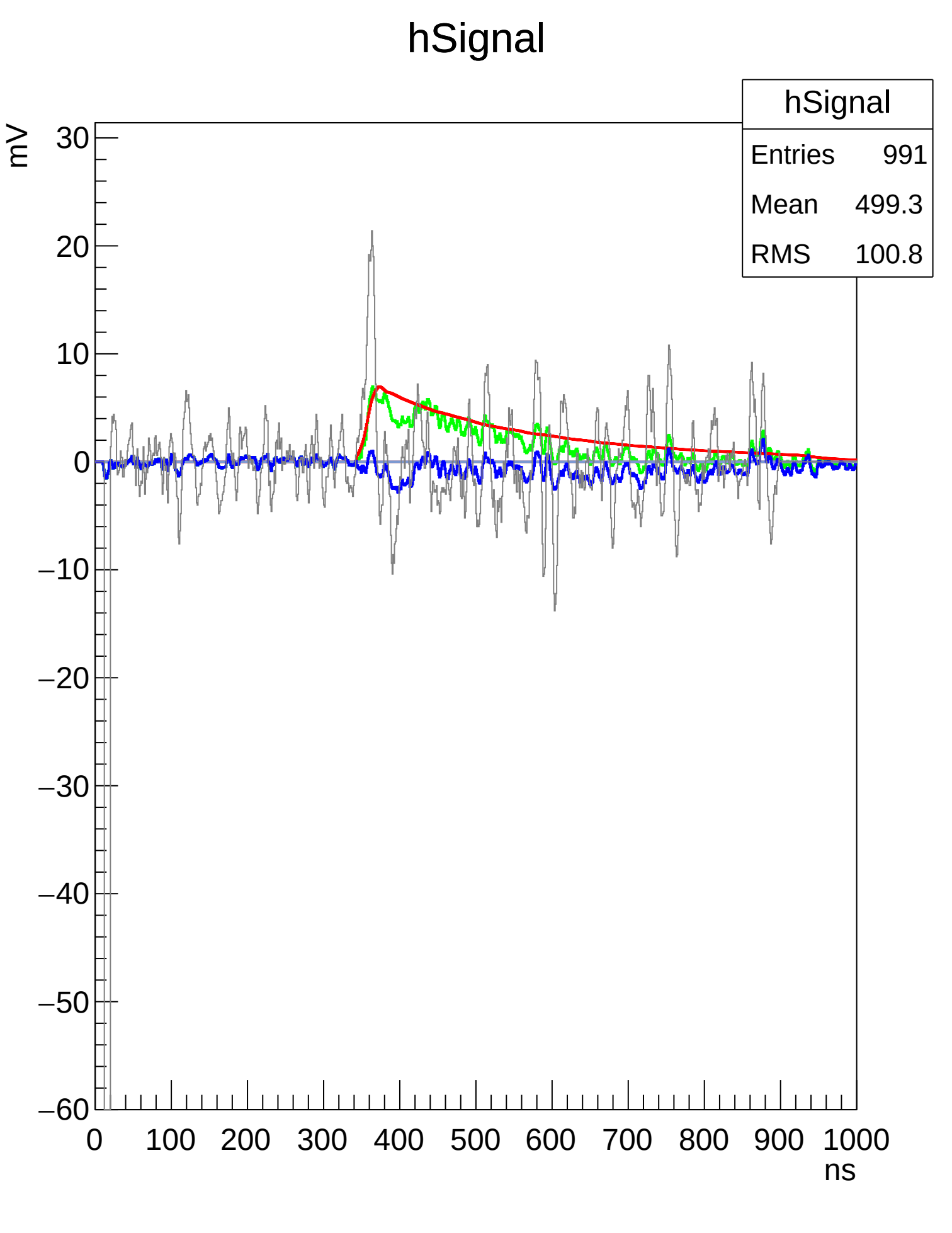

hSignal
hSignal
Entries 991
Mean 533
RMS 149.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

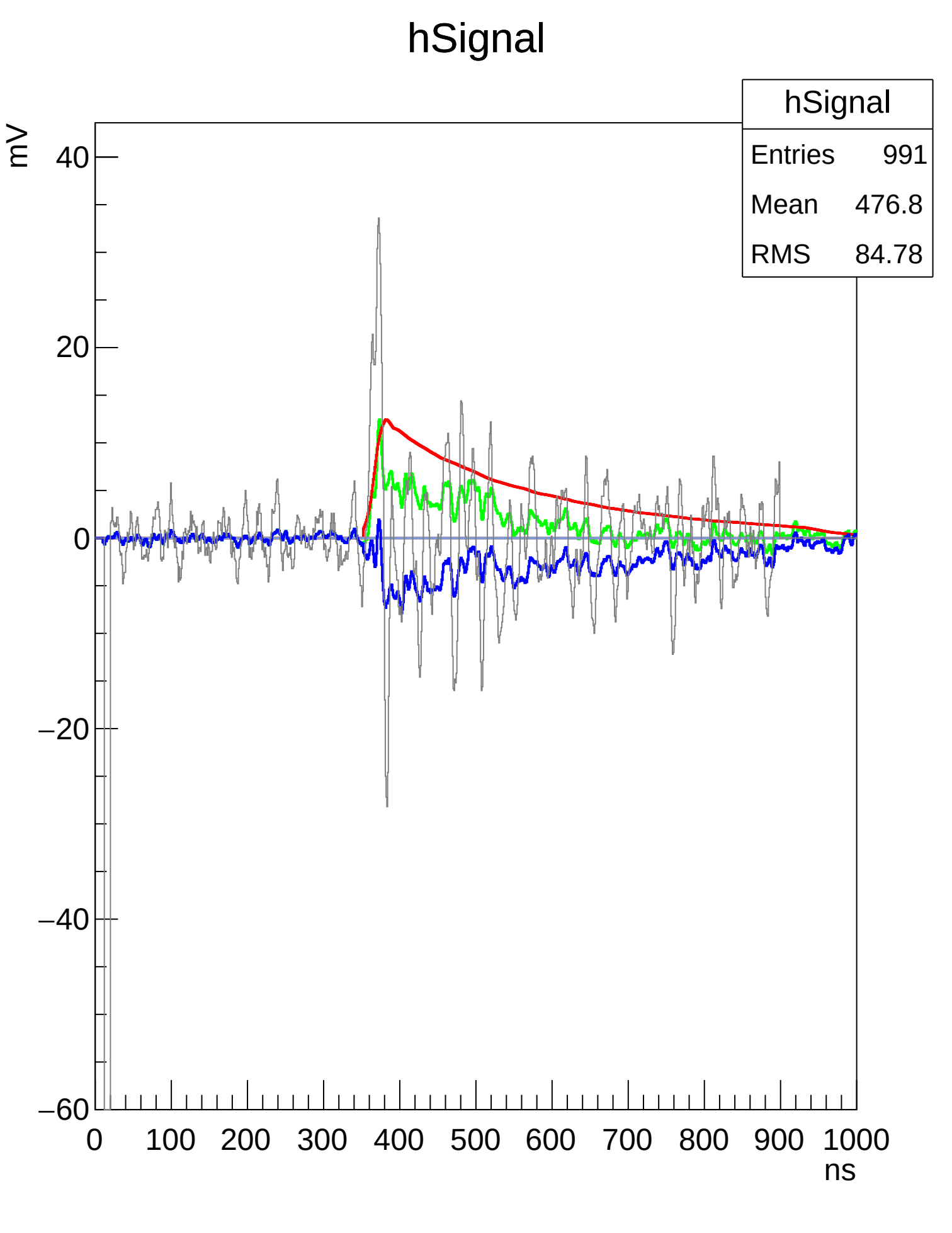

hSignal
hSignal
Entries 991
Mean 541.6
RMS 162
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.6
RMS 163.7
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 539.9
RMS 151.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.8
RMS 143.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.3
RMS 100.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 476.8
RMS 84.78
mV
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−20
−40
−60
0
100
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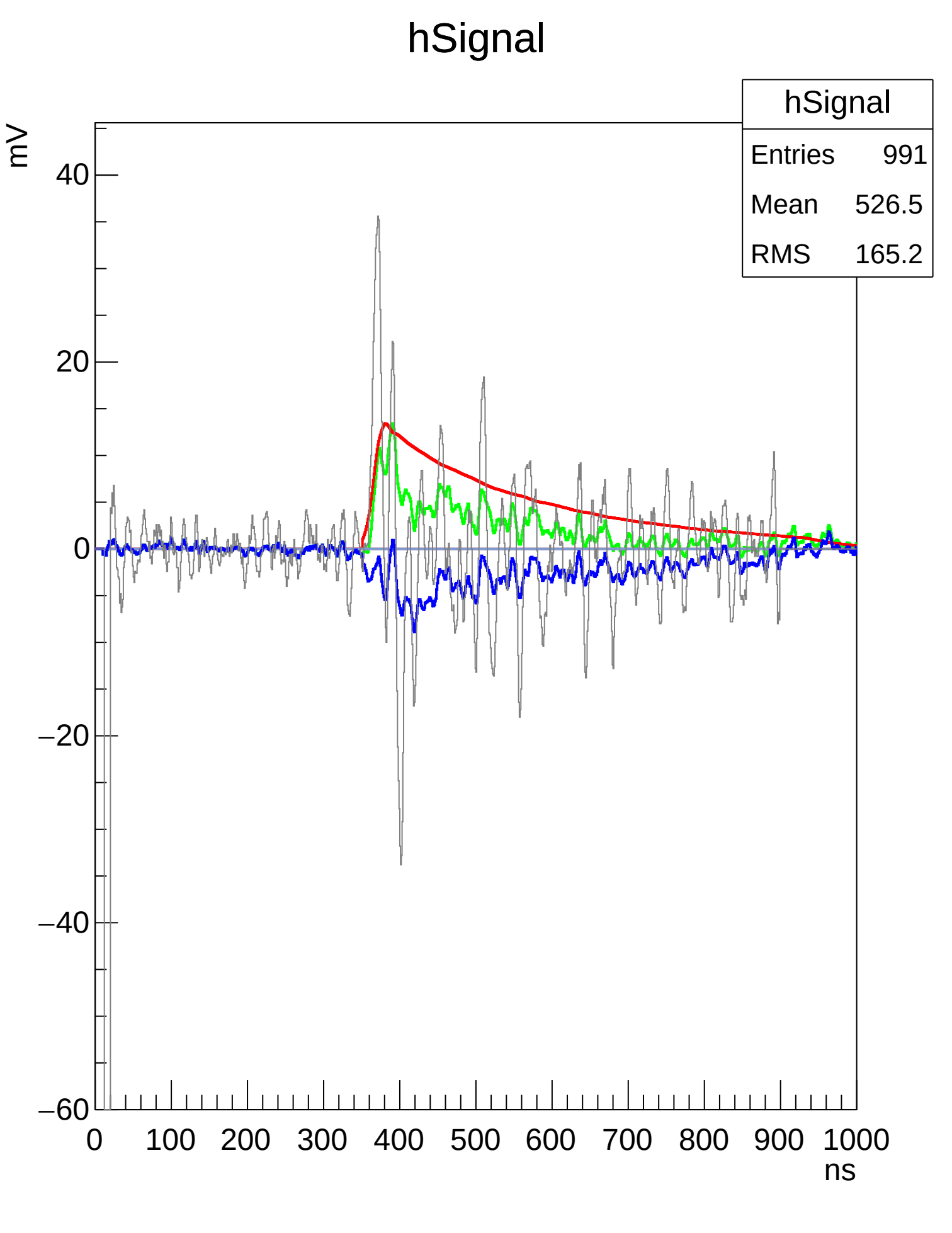
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.5
RMS 165.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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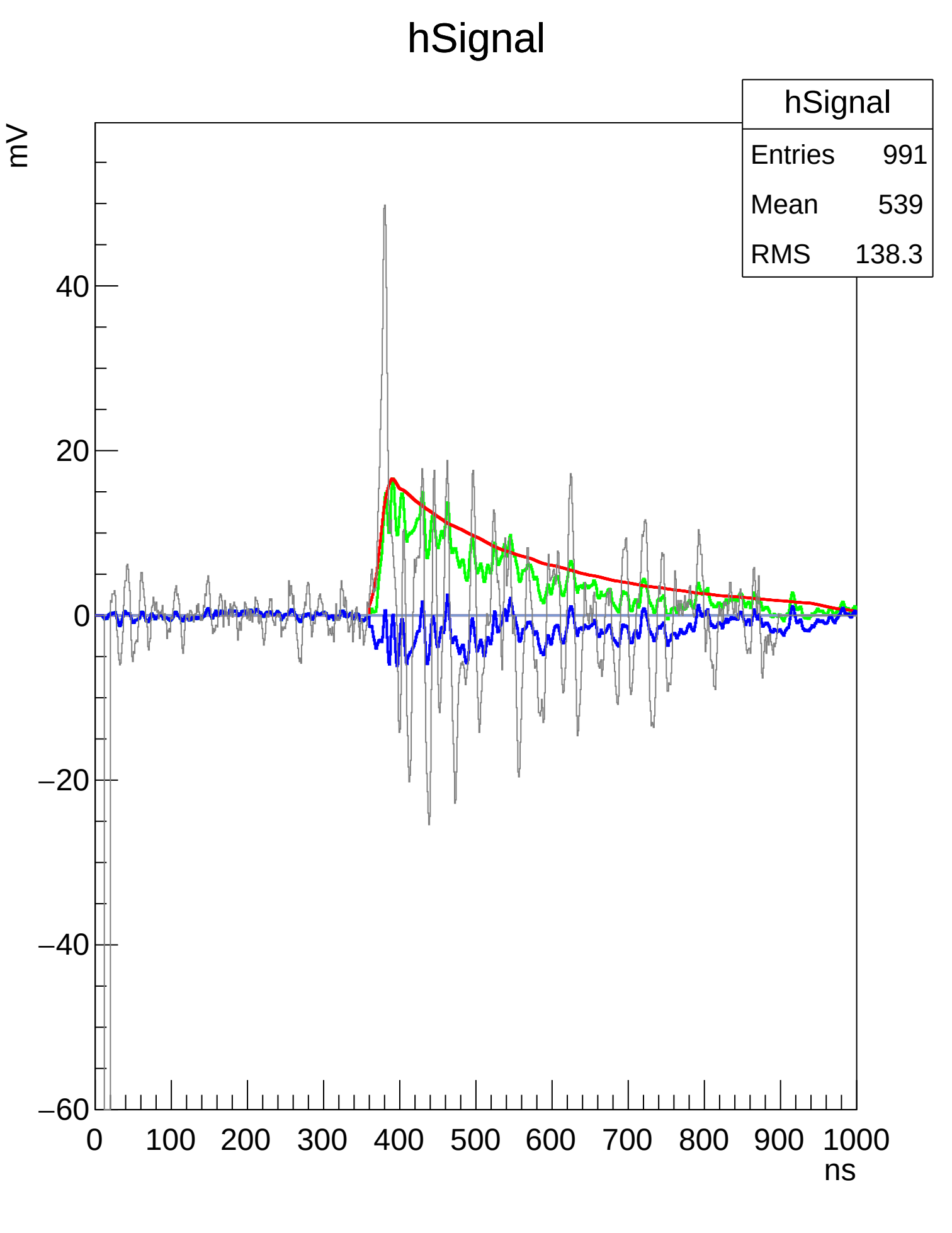
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539
RMS 138.3
mV
40
20
0
−20
−40
−60
0
100
200
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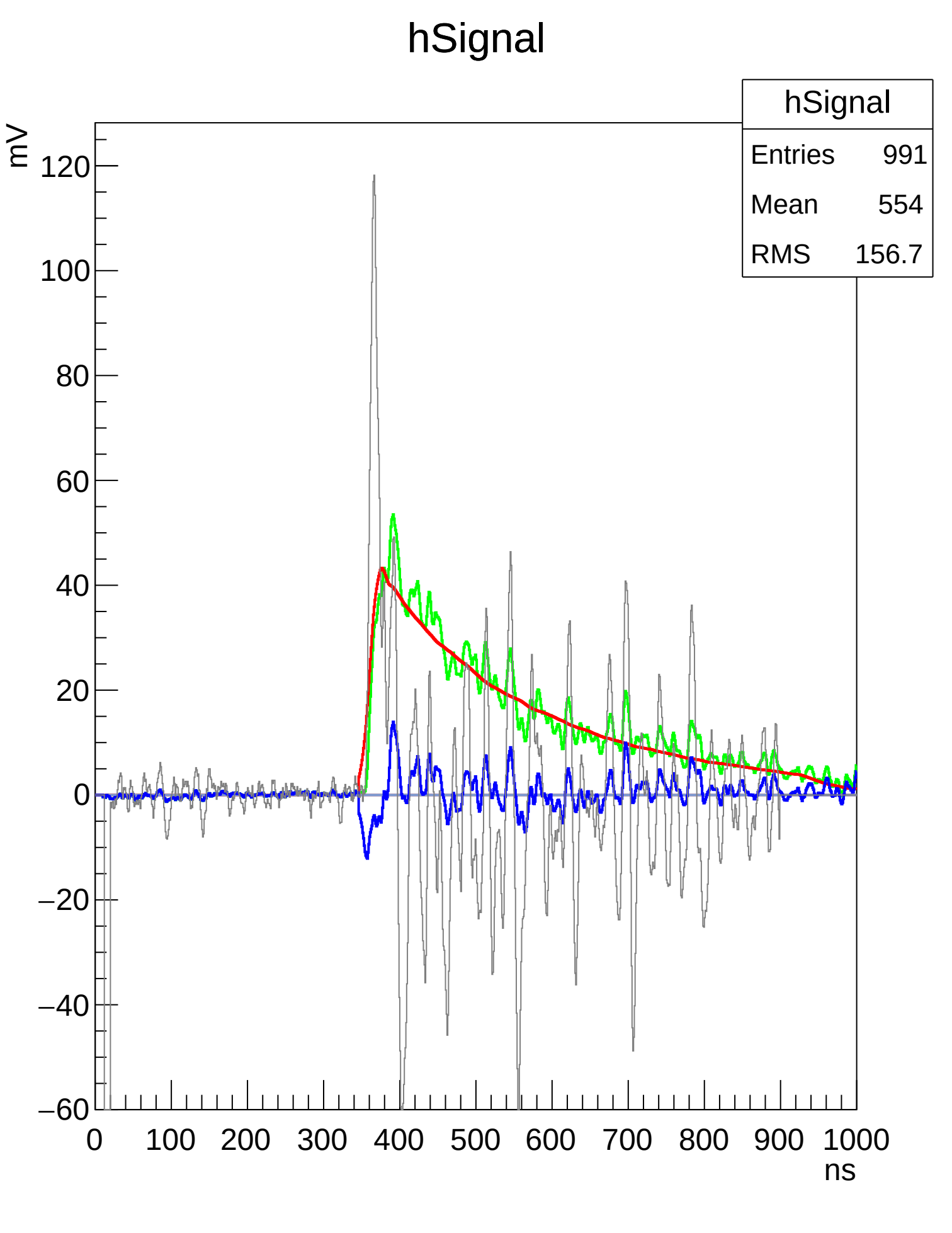
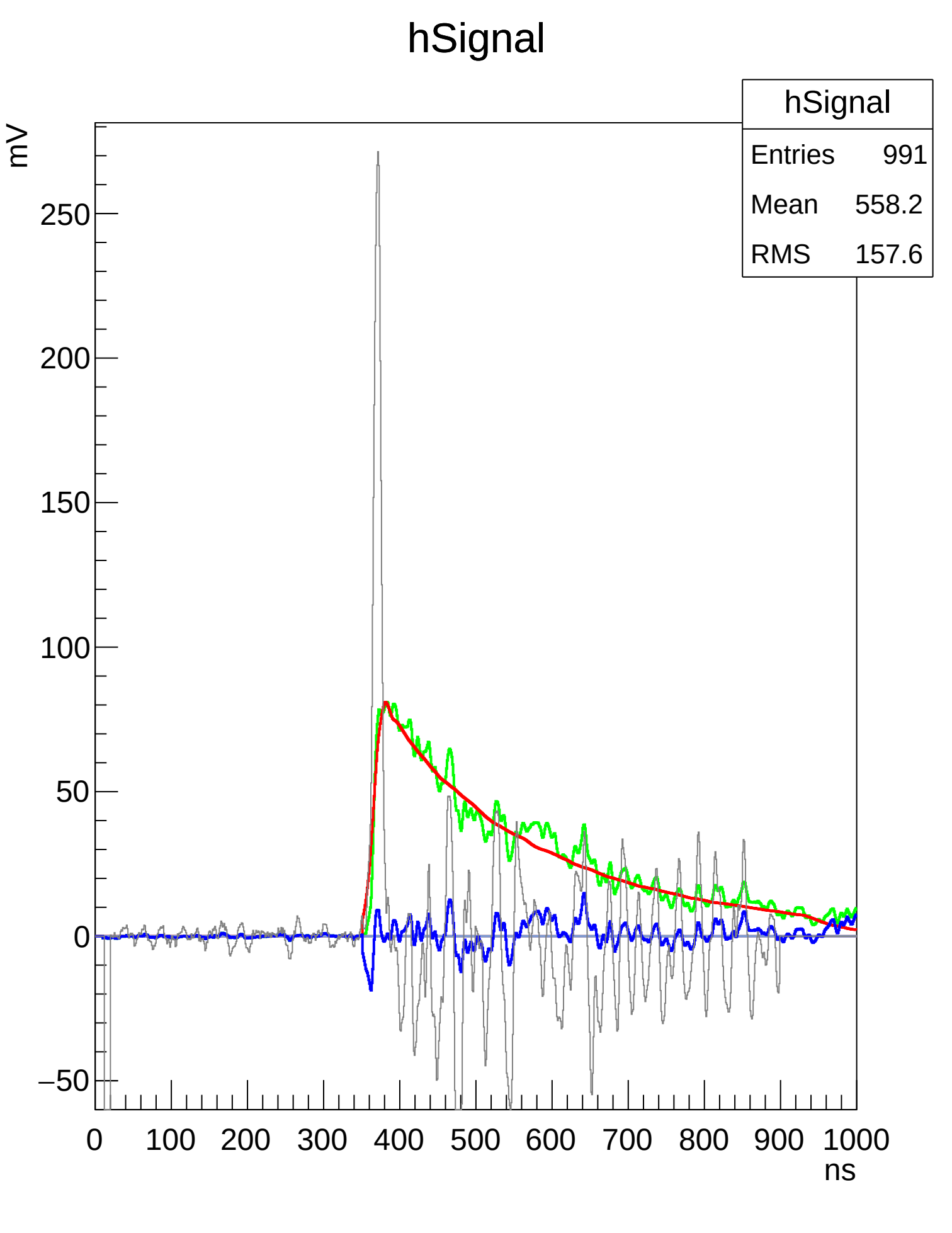
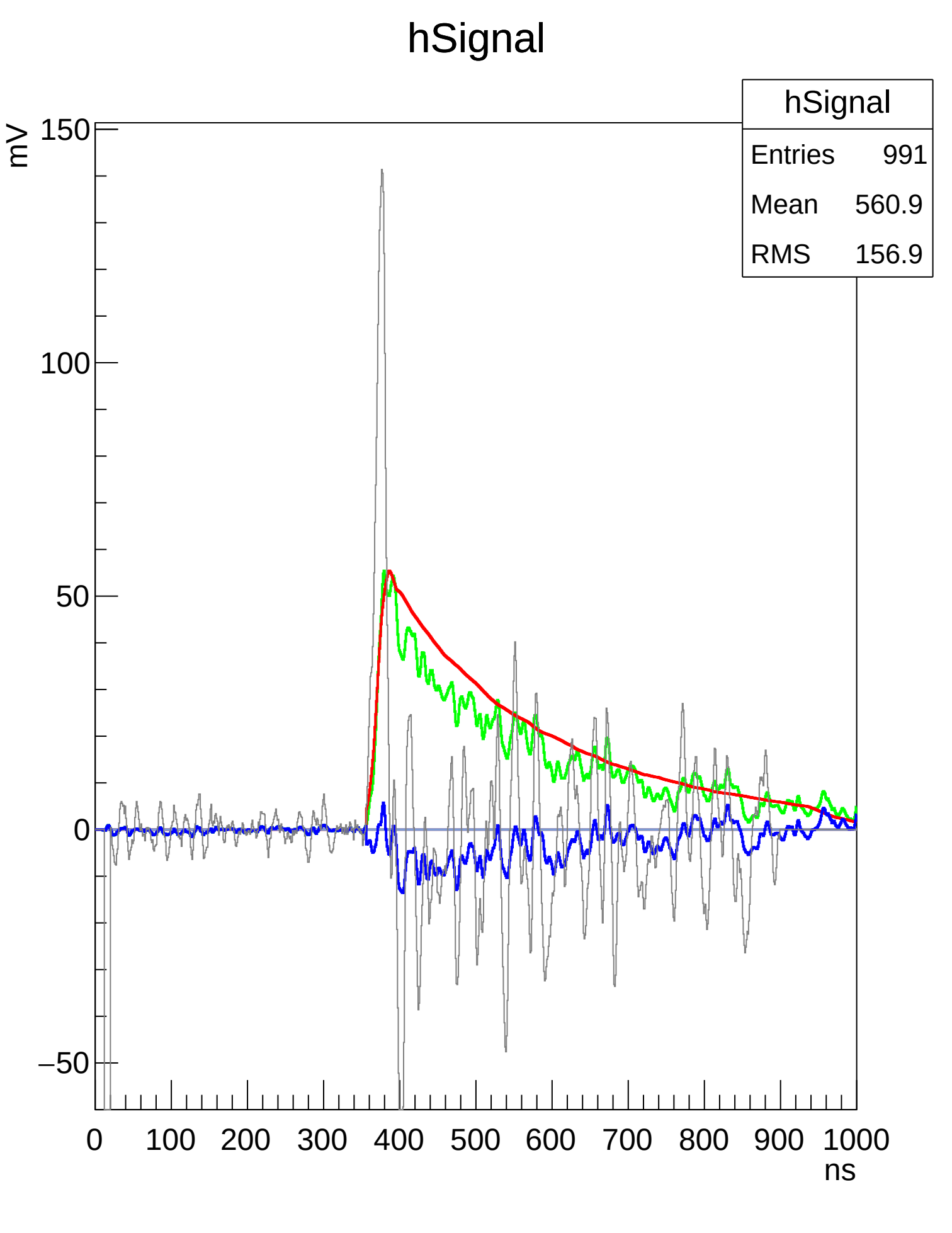
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554
RMS 156.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.2
RMS 157.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.9
RMS 156.9
mV
150
100
50
0
−50
0
100
200
300
400
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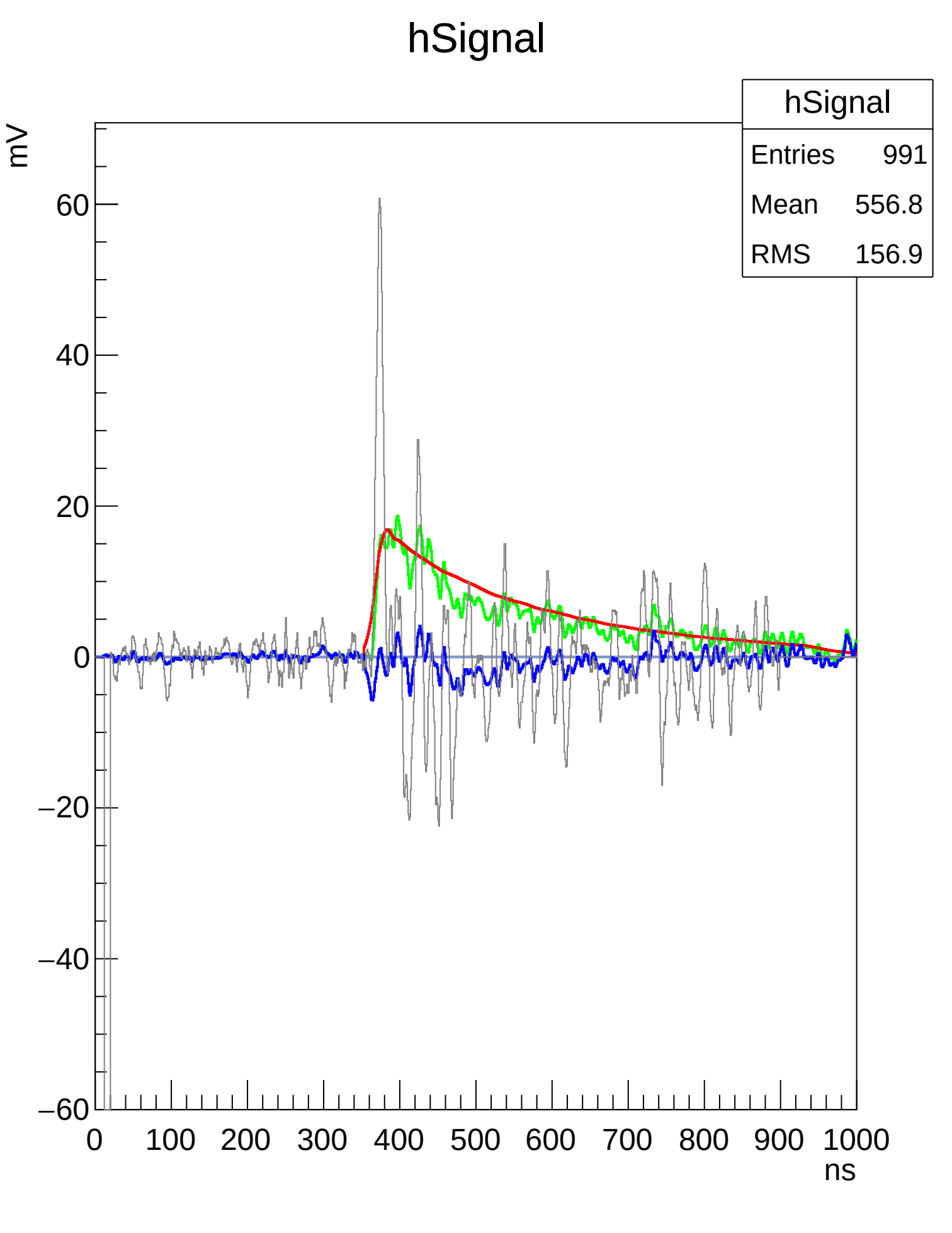
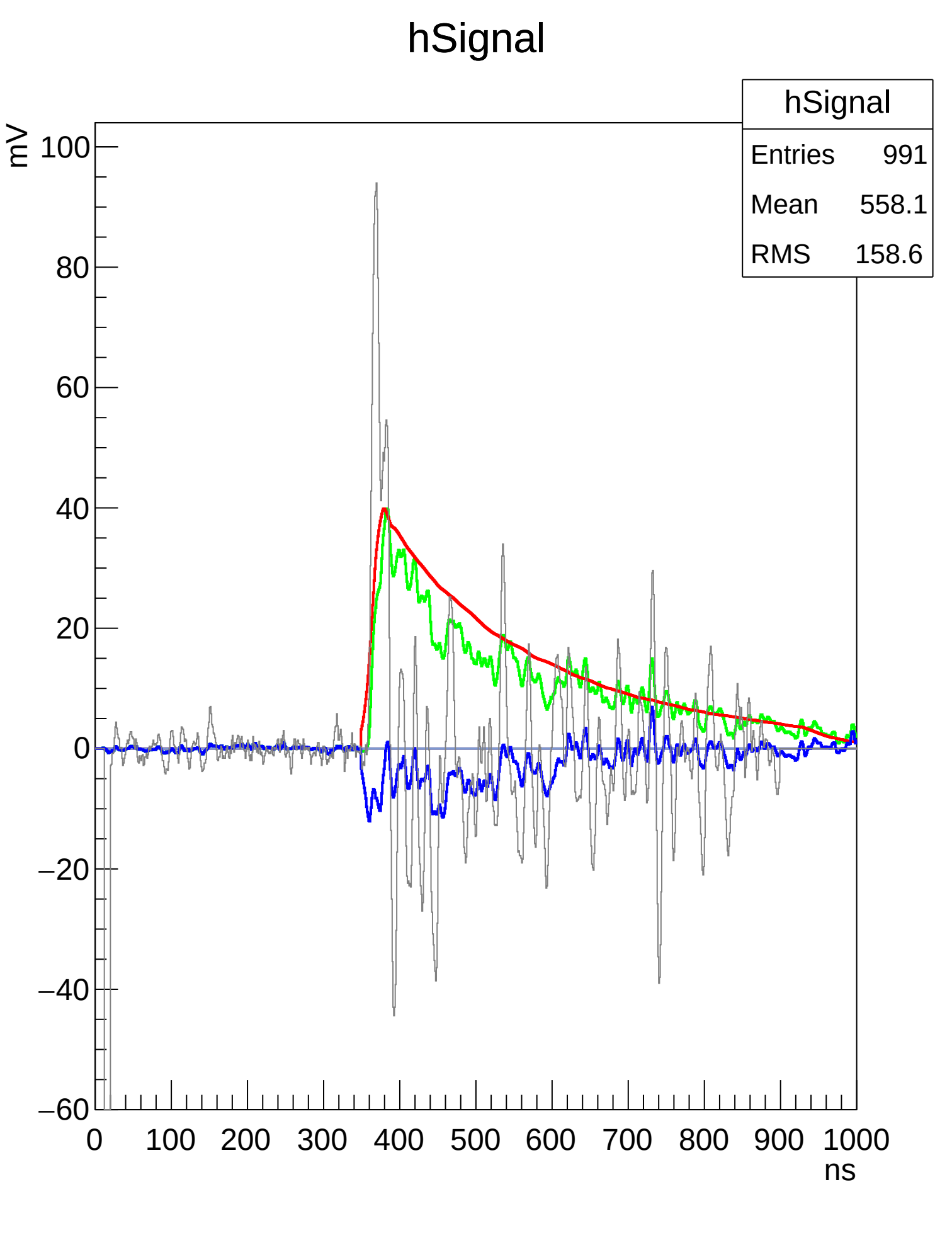
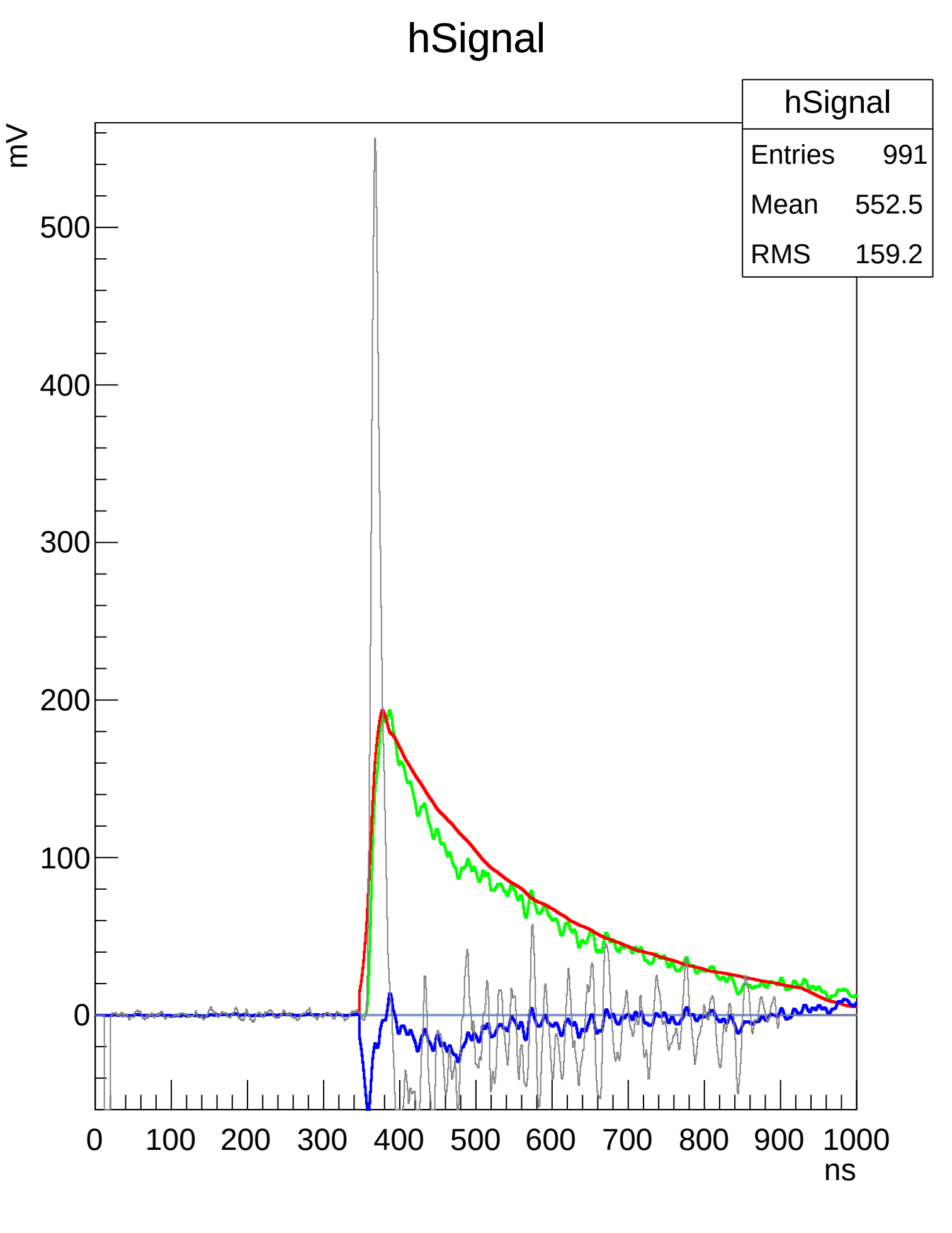
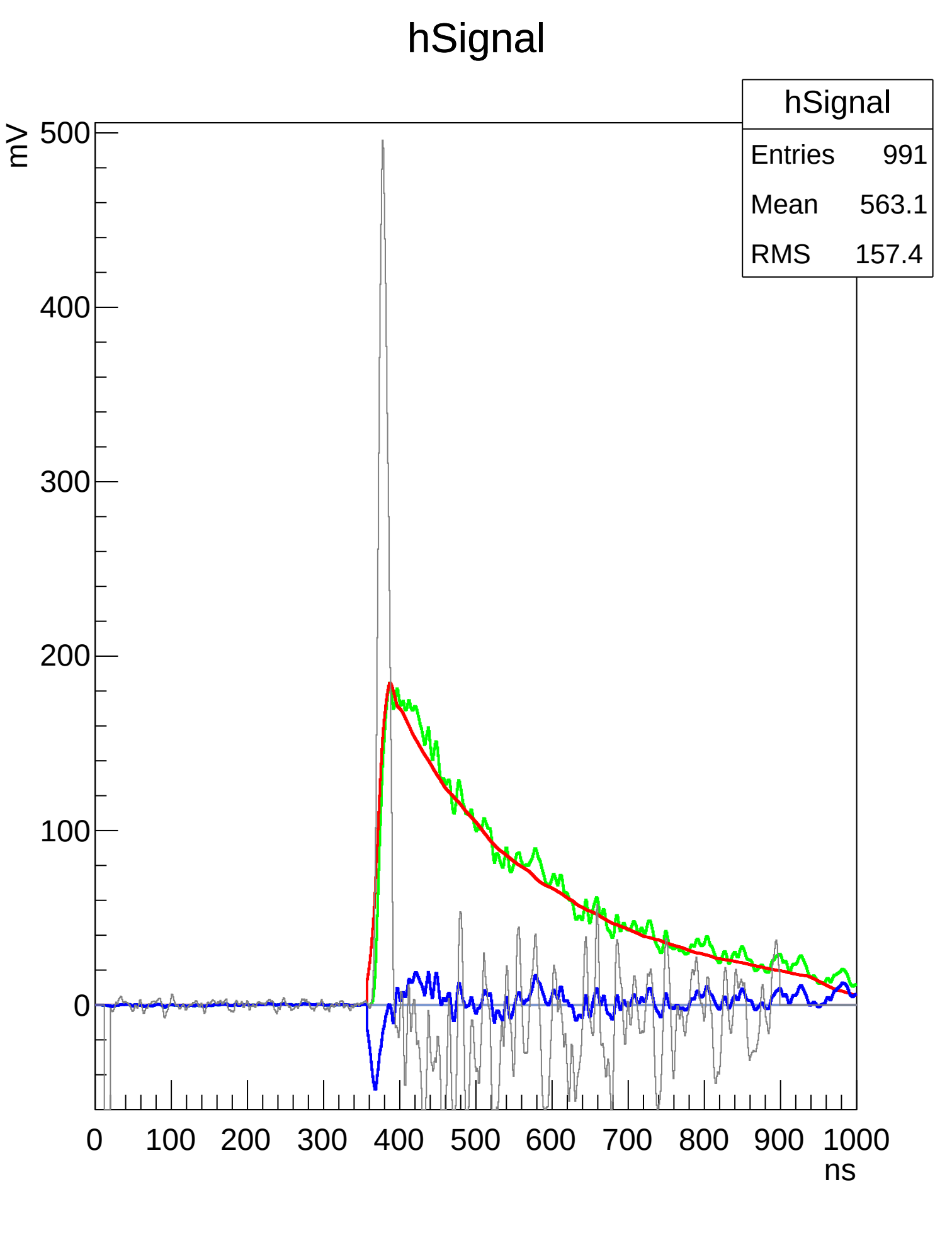
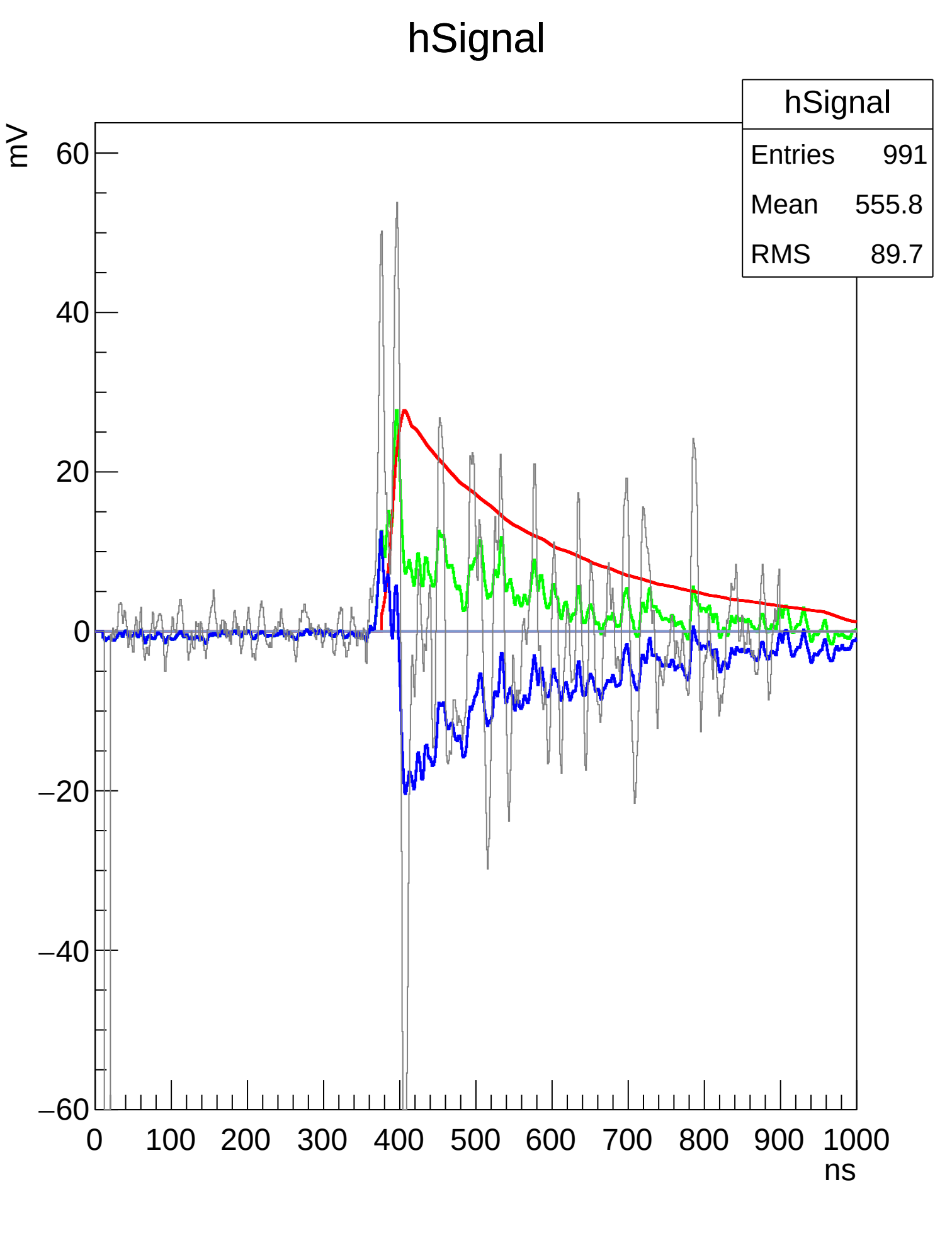
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.8
RMS 156.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.1
RMS 158.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.5
RMS 159.2
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 563.1
RMS 157.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.8
RMS 89.7
mV
60
40
20
0
−20
−40
−60
0
100
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400
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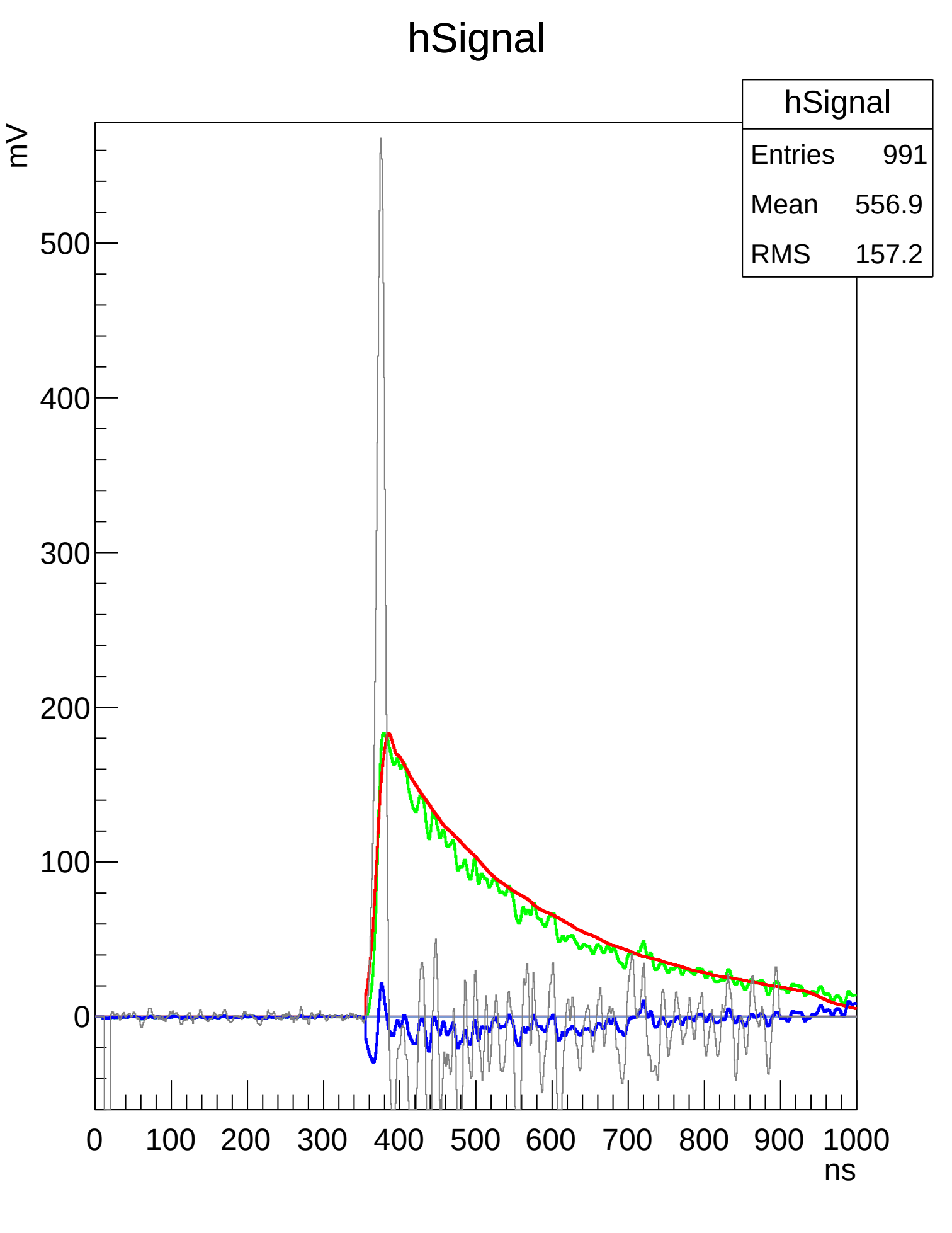
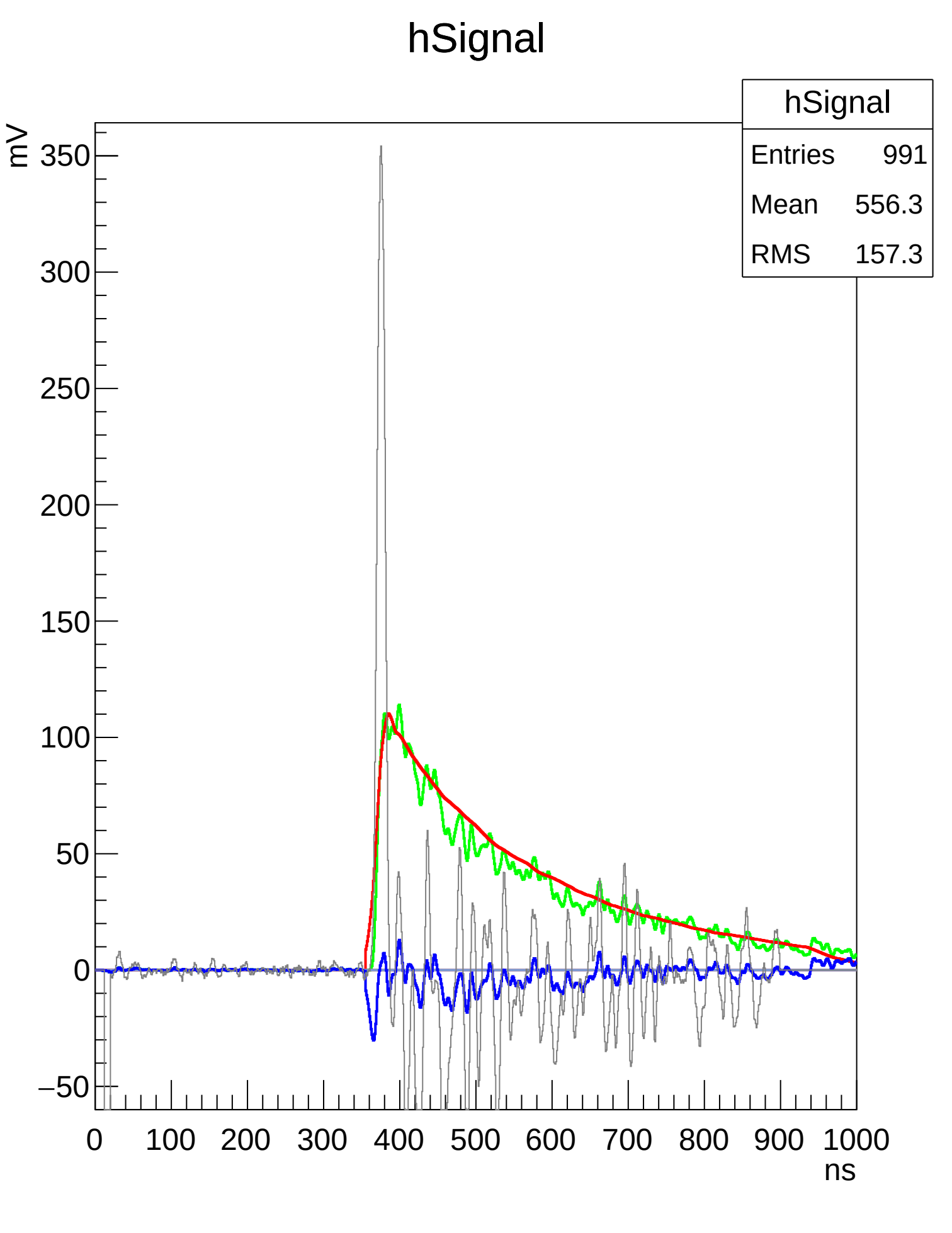
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.9
RMS 157.2
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 556.3
RMS 157.3
mV
350
300
250
200
150
100
50
0
−50
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100
200
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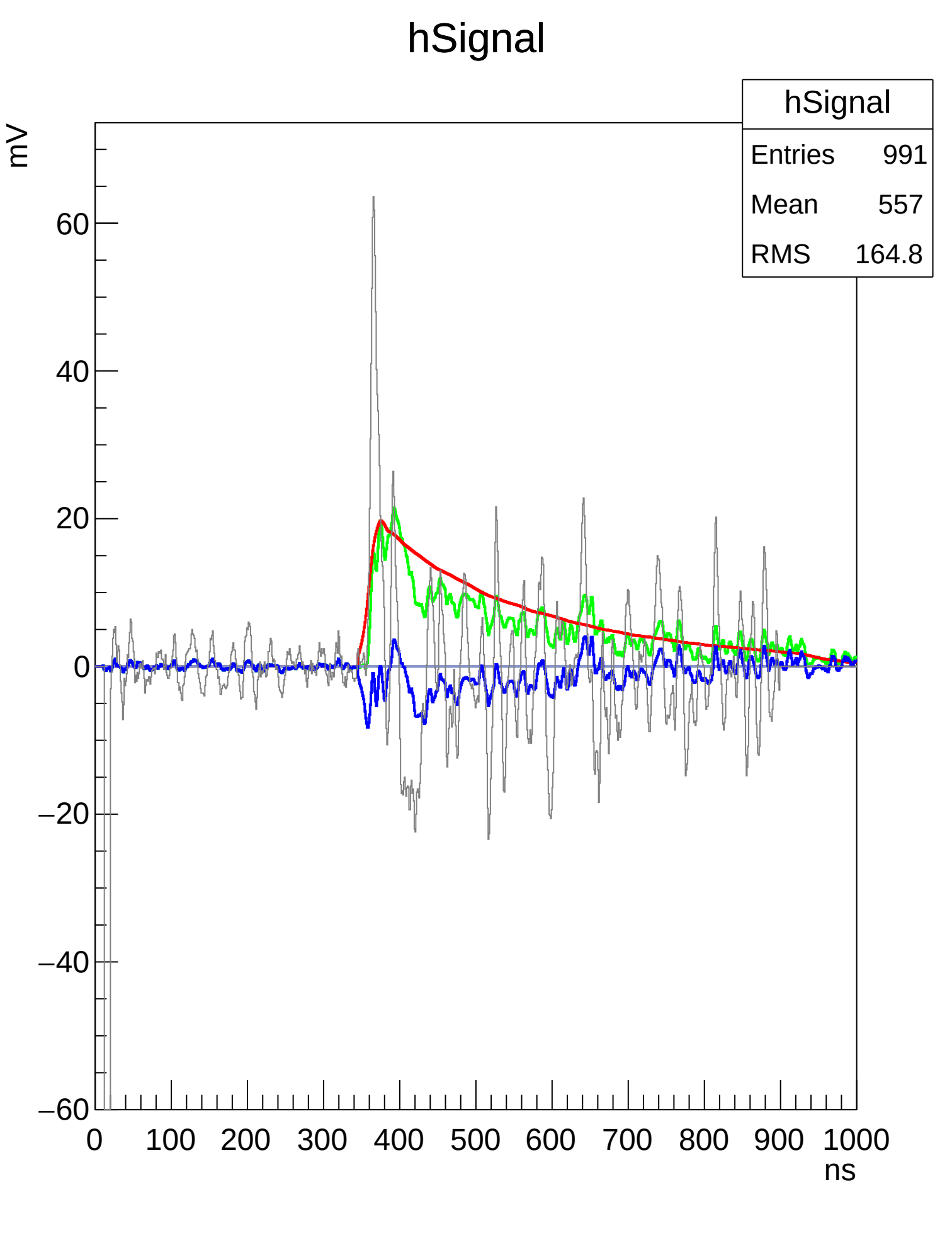
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557
RMS 164.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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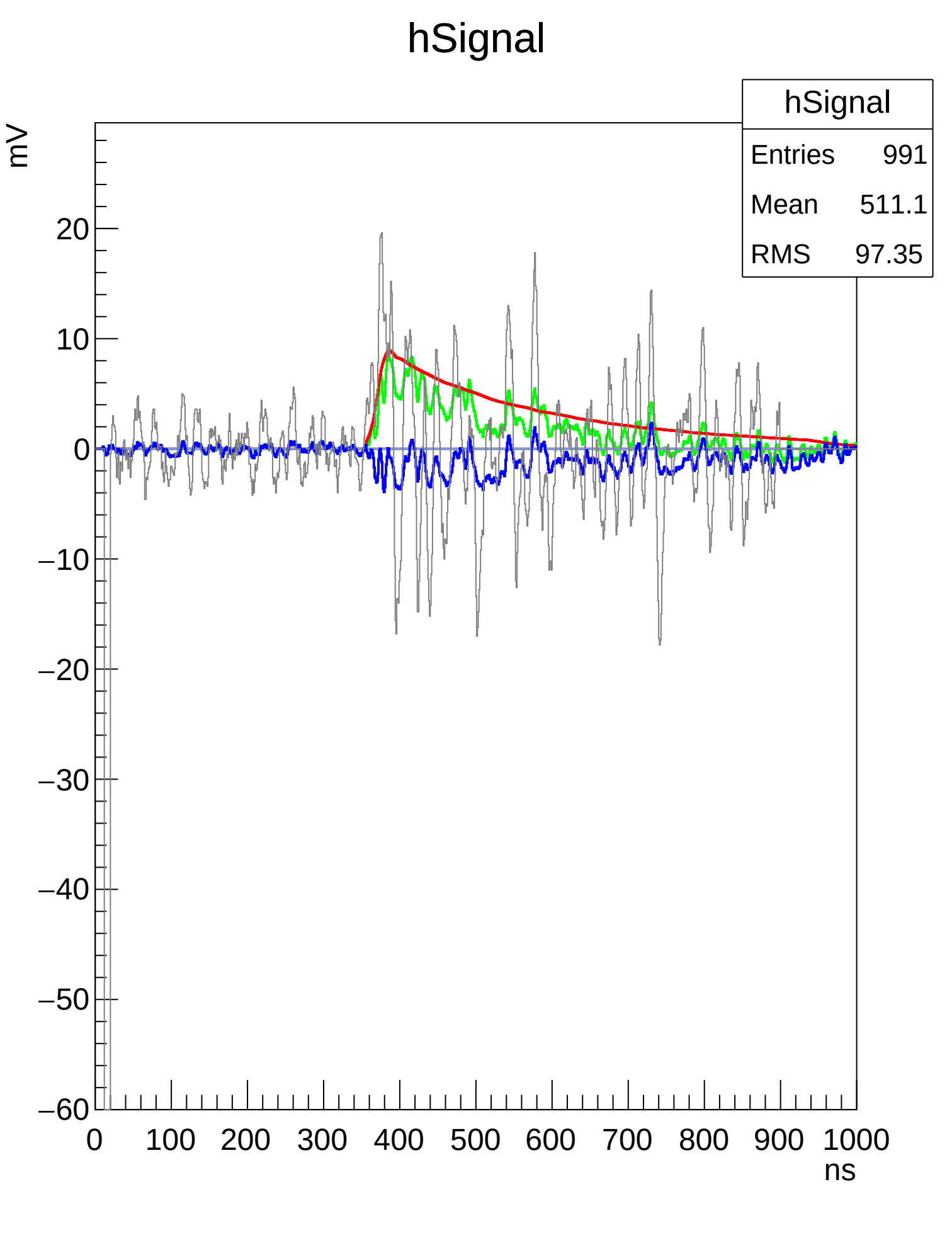
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.1
RMS 97.35
mV
20
10
0
−10
−20
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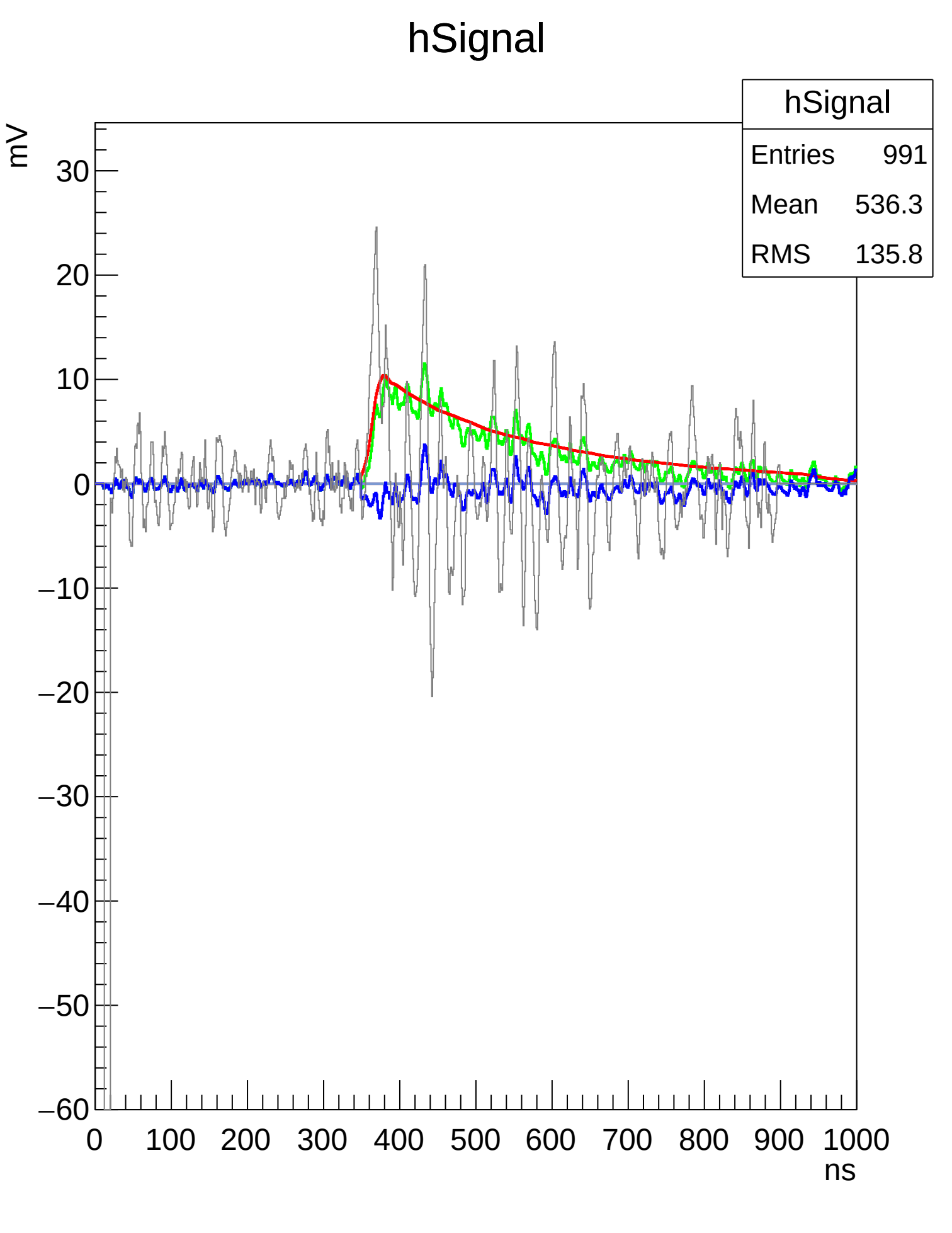
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.3
RMS 135.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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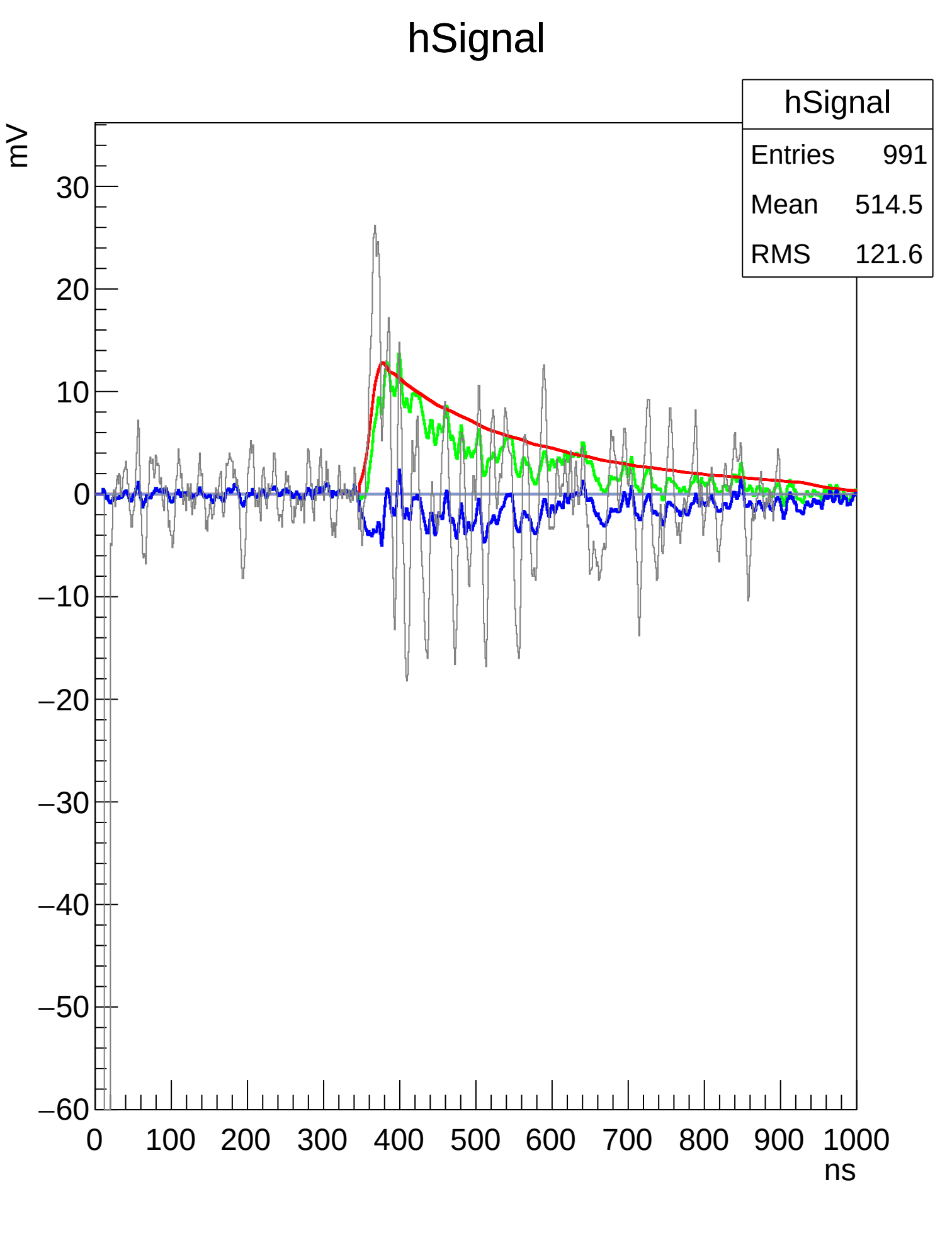
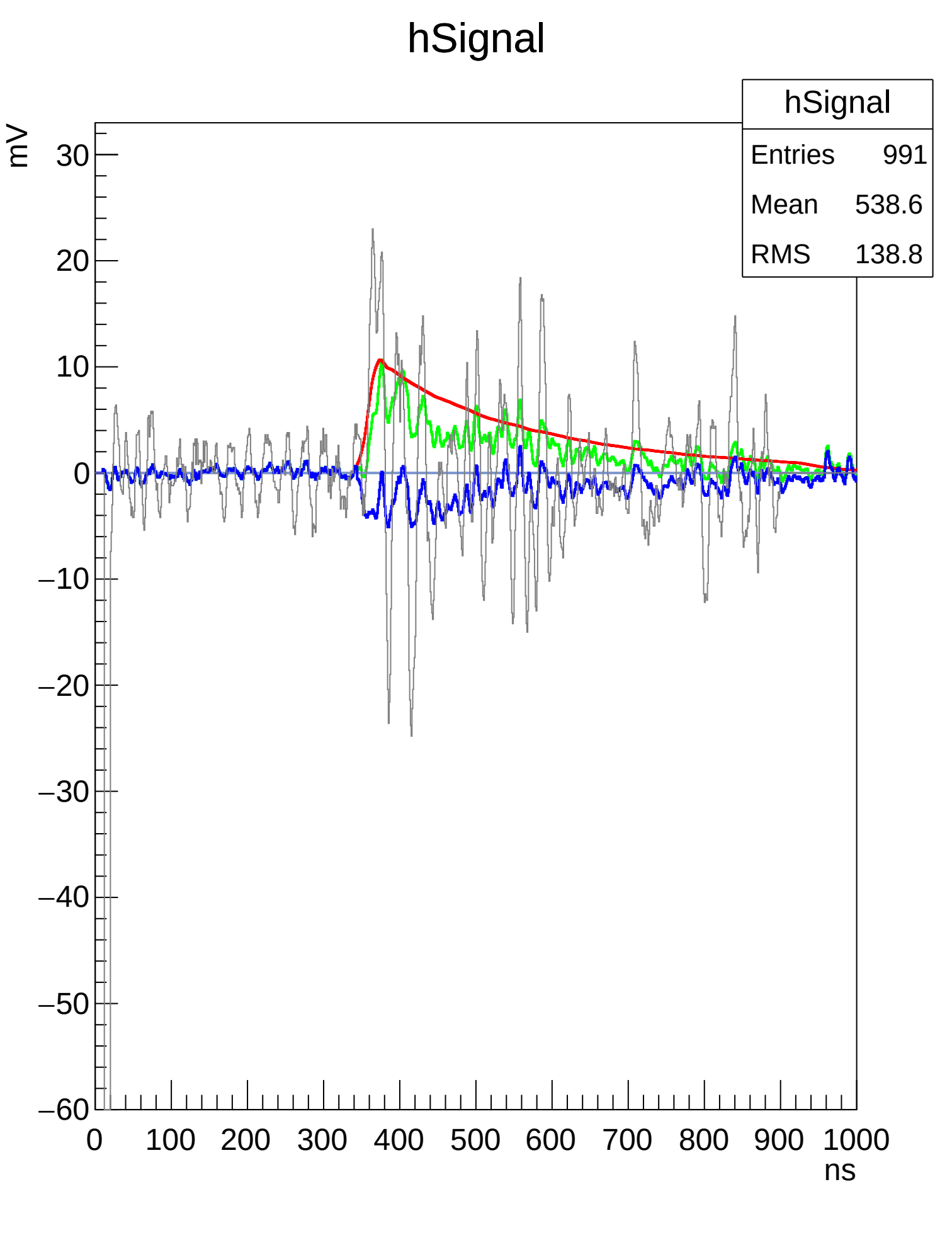
1000
ns


hSignal
hSignal
Entries 991
Mean 514.5
RMS 121.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.6
RMS 138.8
mV
30
20
10
0
−10
−20
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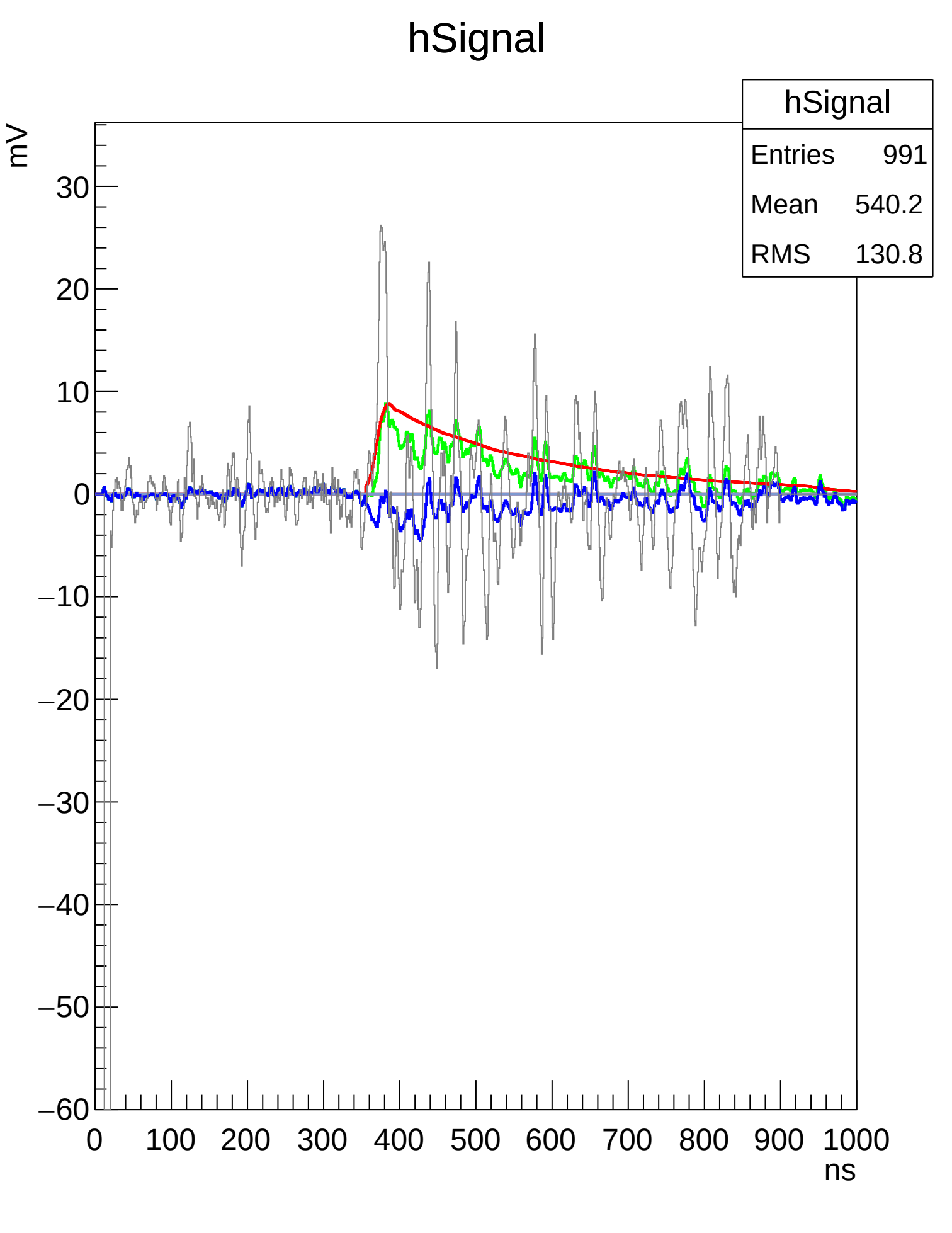
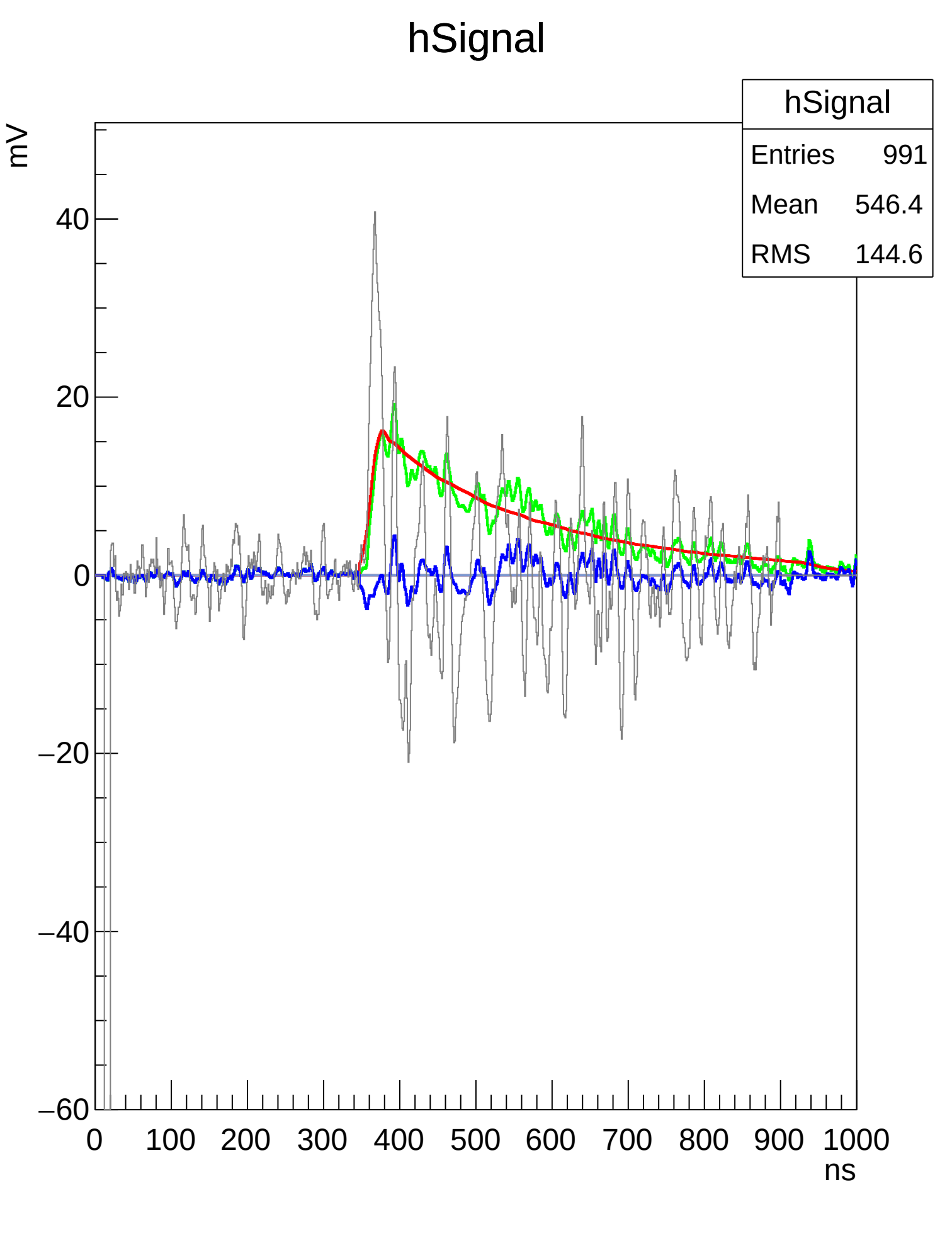
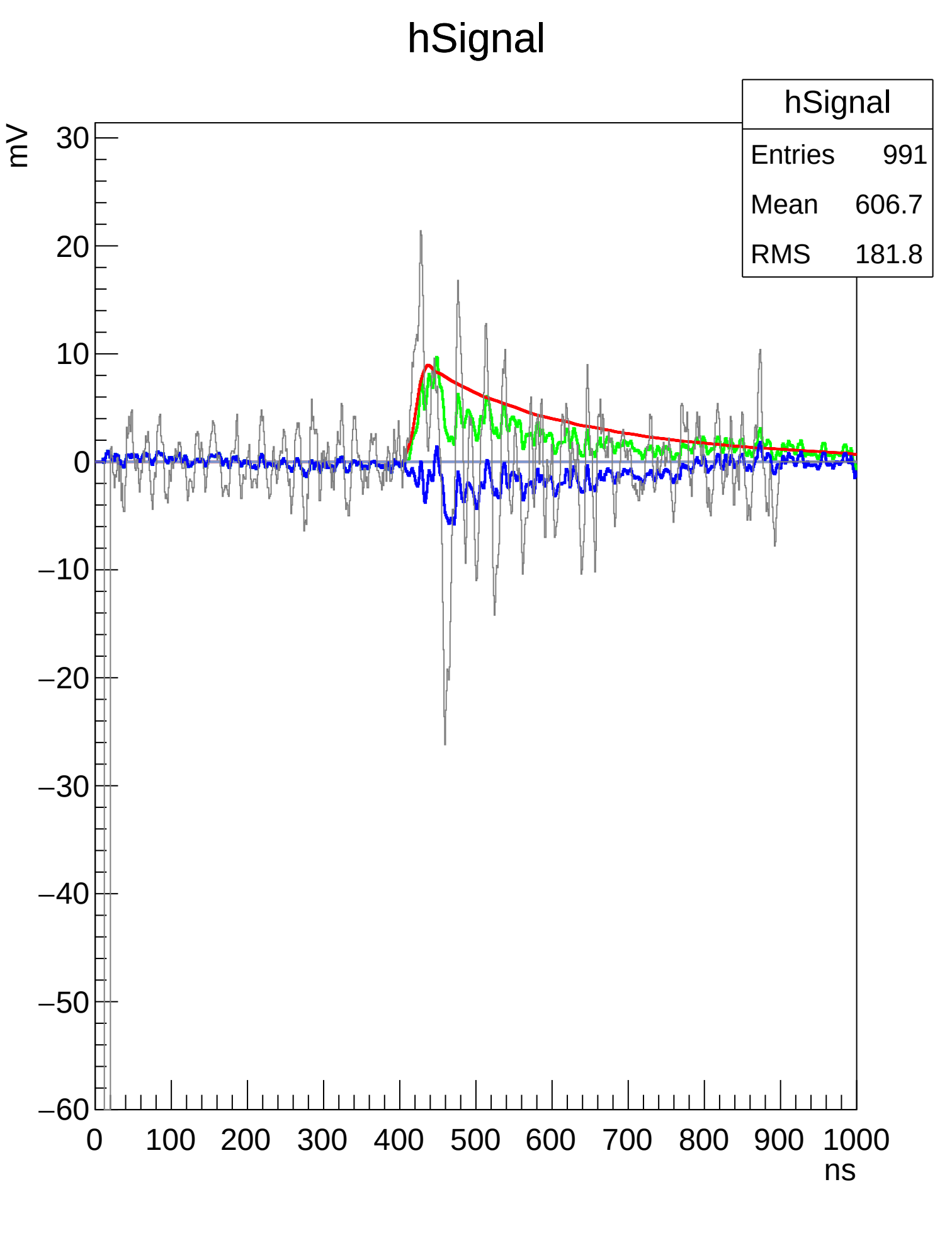
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.2
RMS 130.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.4
RMS 144.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.7
RMS 181.8
mV
30
20
10
0
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−20
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−40
−50
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0
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200
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400
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800
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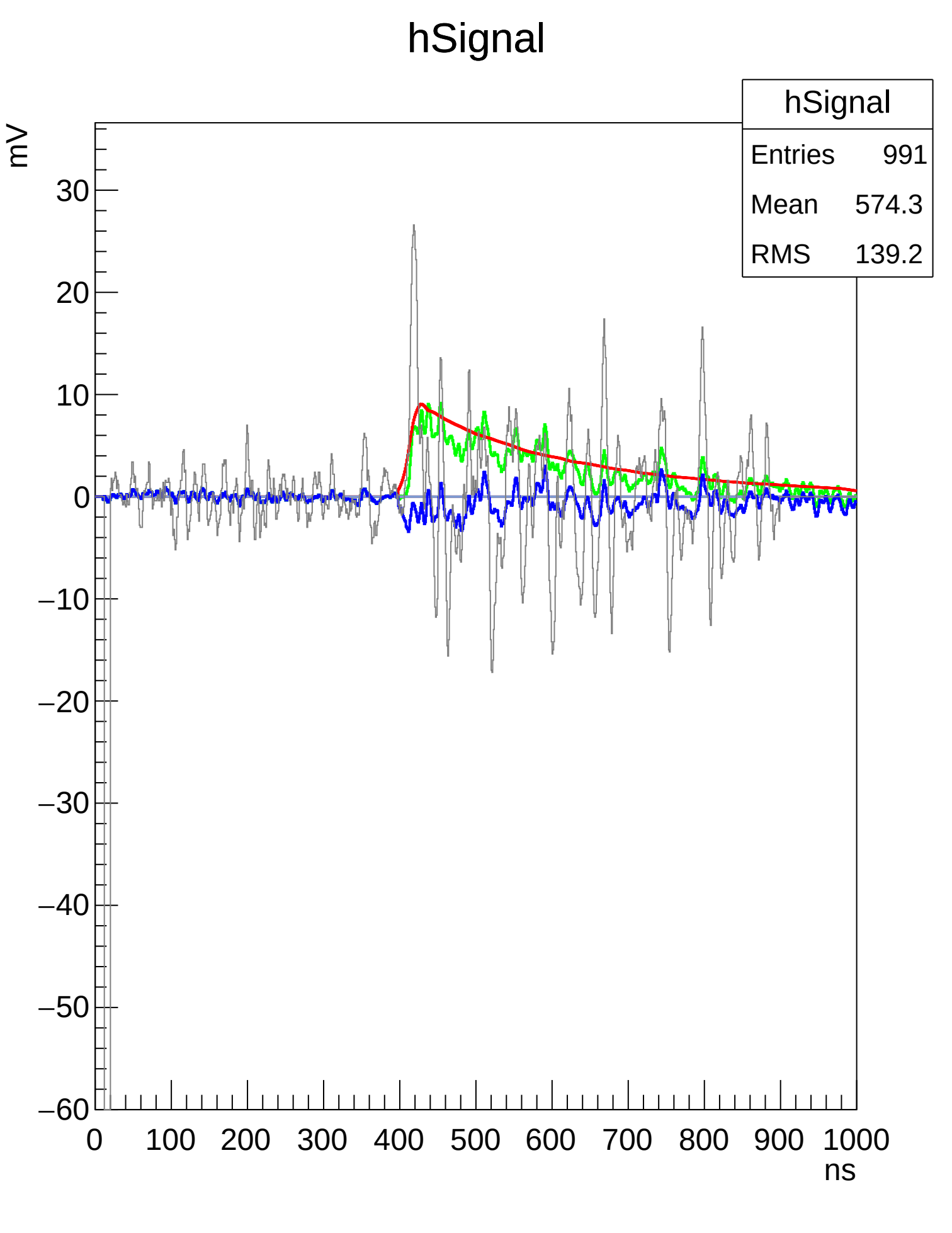
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 139.2
mV
30
20
10
0
−10
−20
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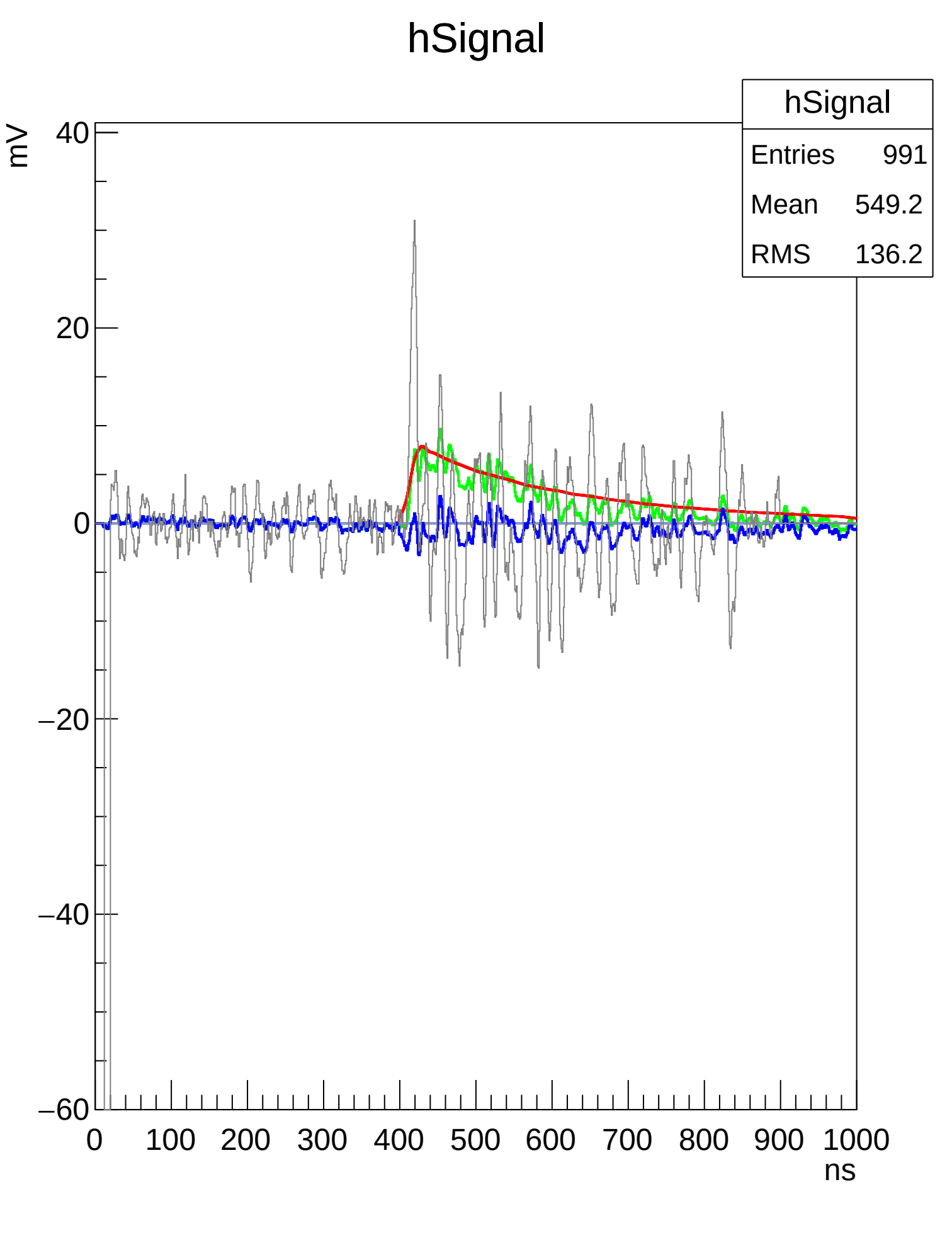
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.2
RMS 136.2
mV
40
20
0
−20
−40
−60
0
100
200
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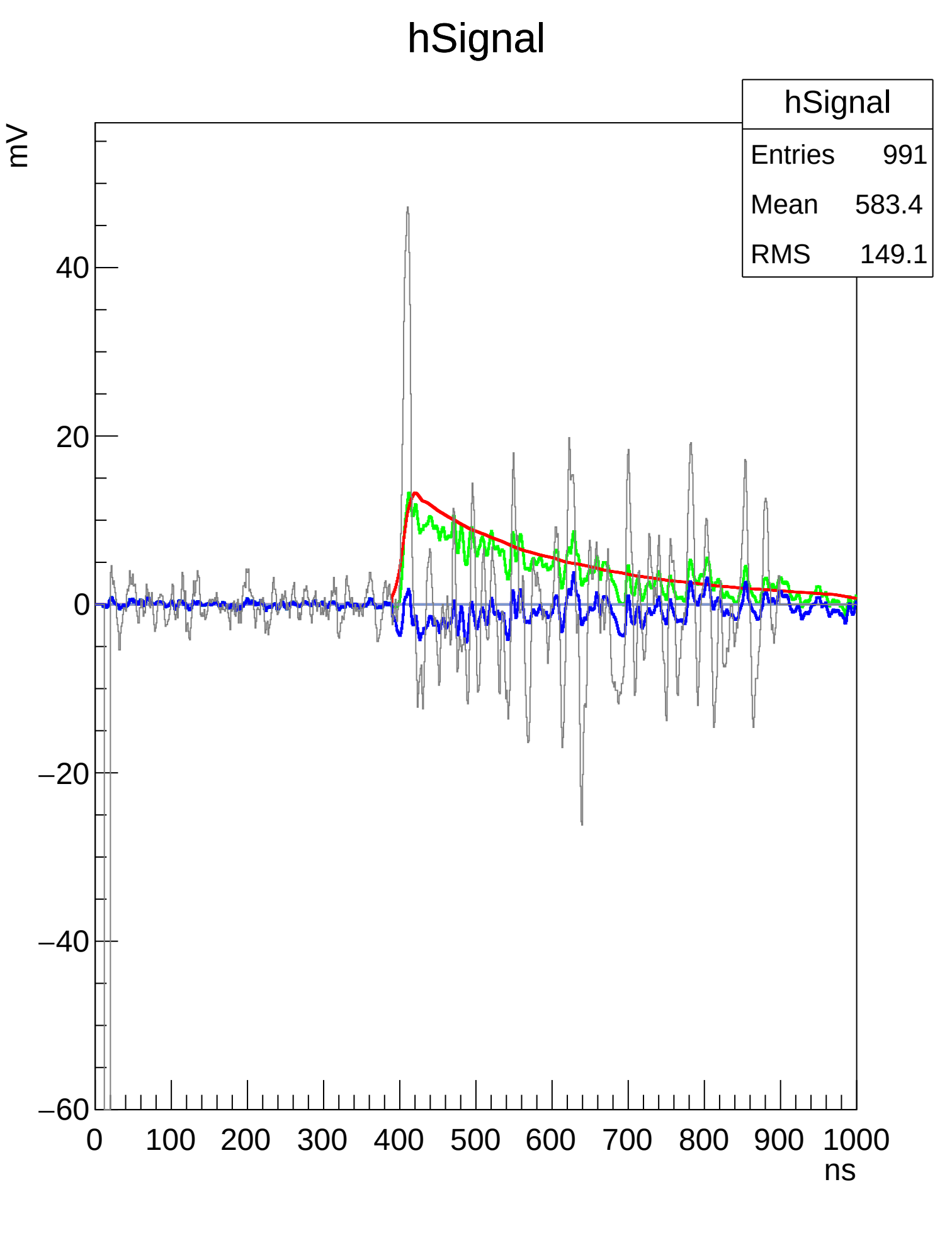
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.4
RMS 149.1
mV
40
20
0
−20
−40
−60
0
100
200
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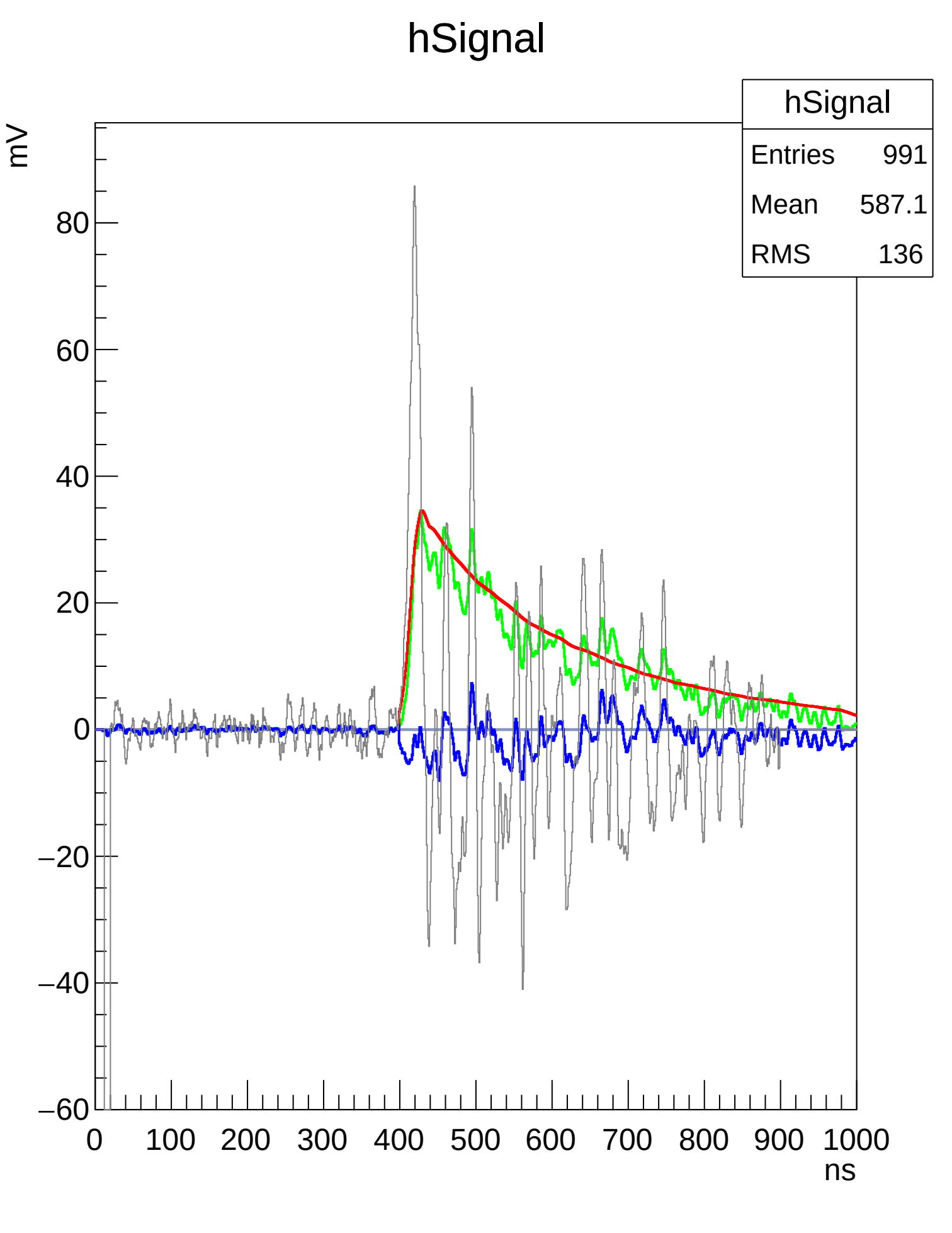
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.1
RMS 136
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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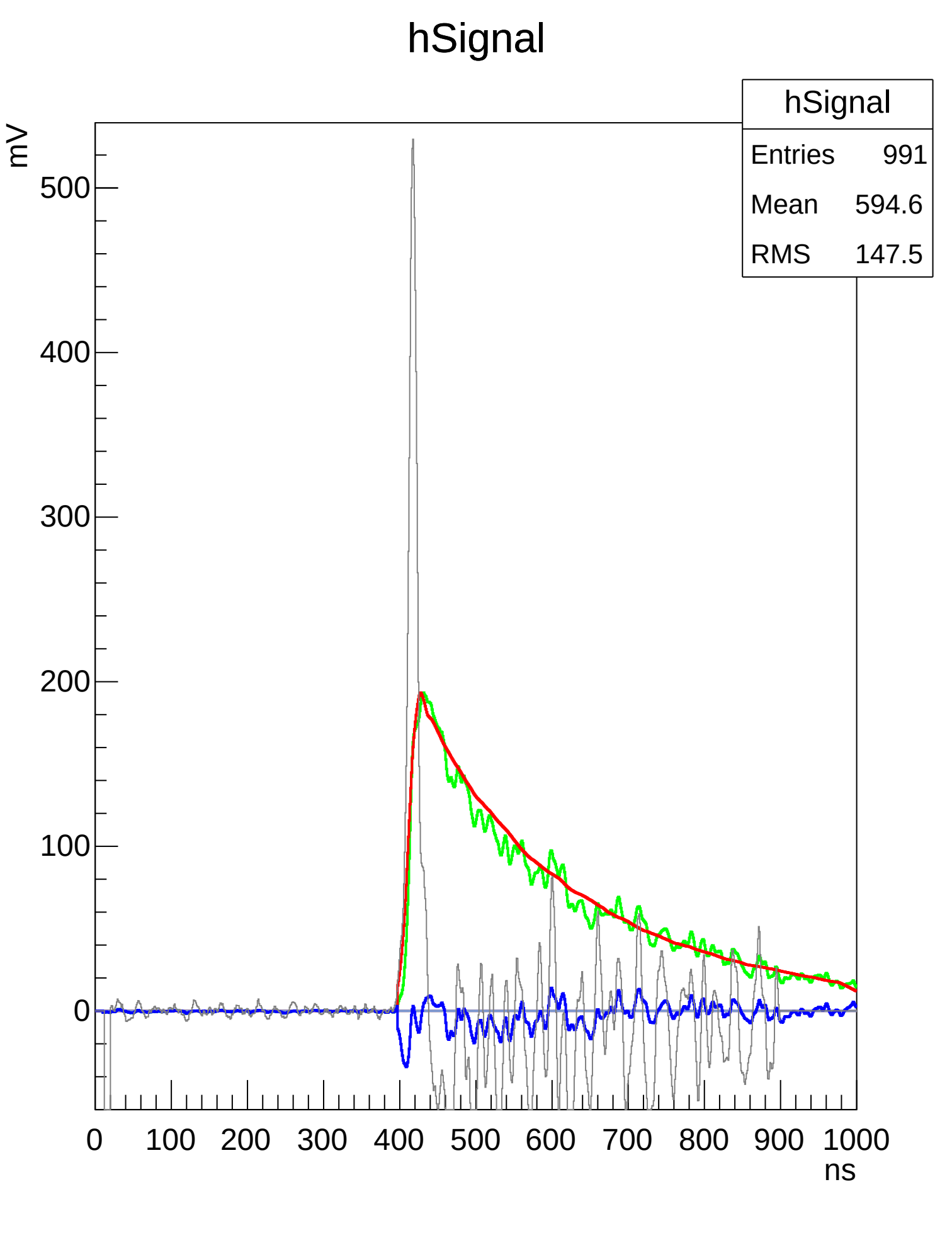
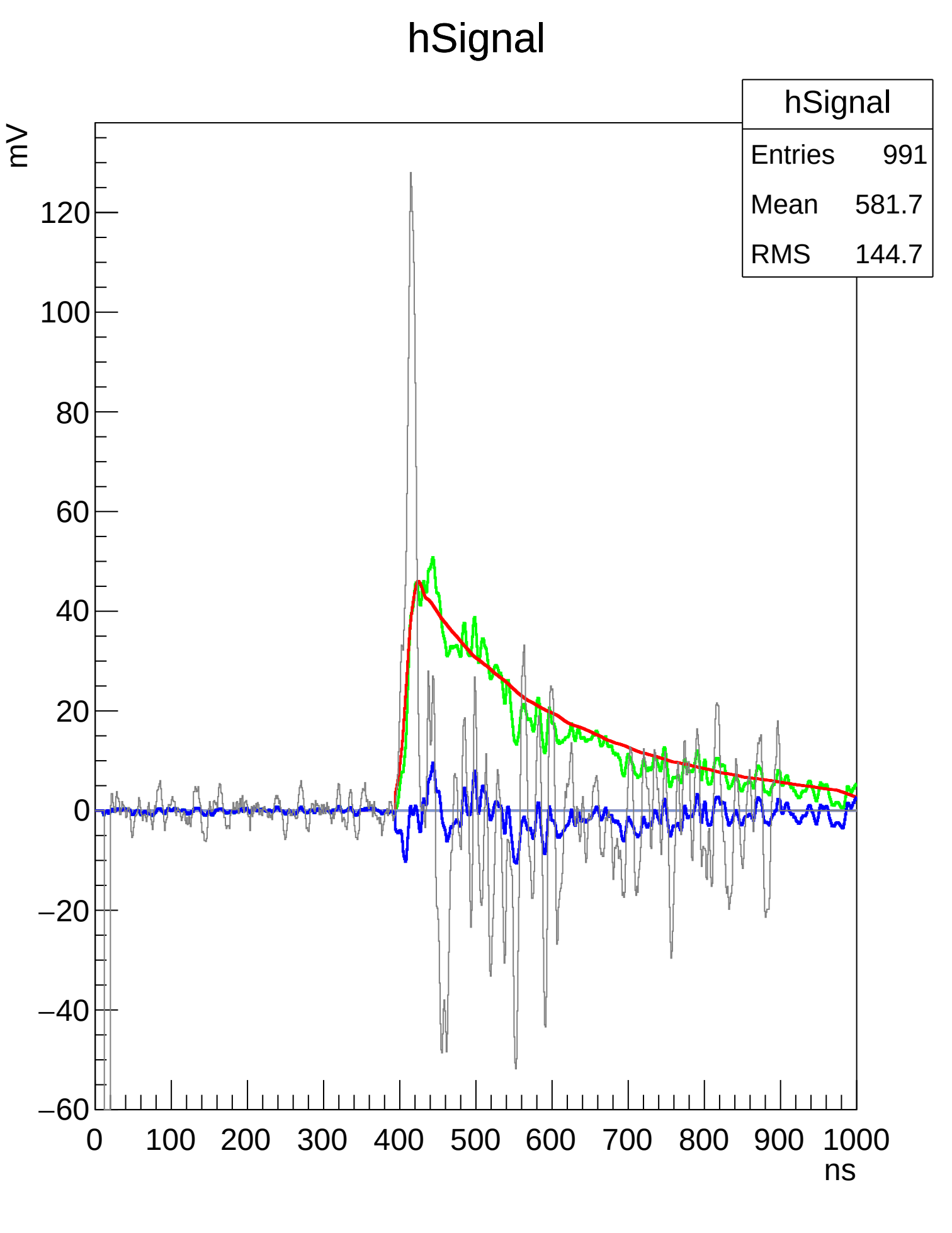
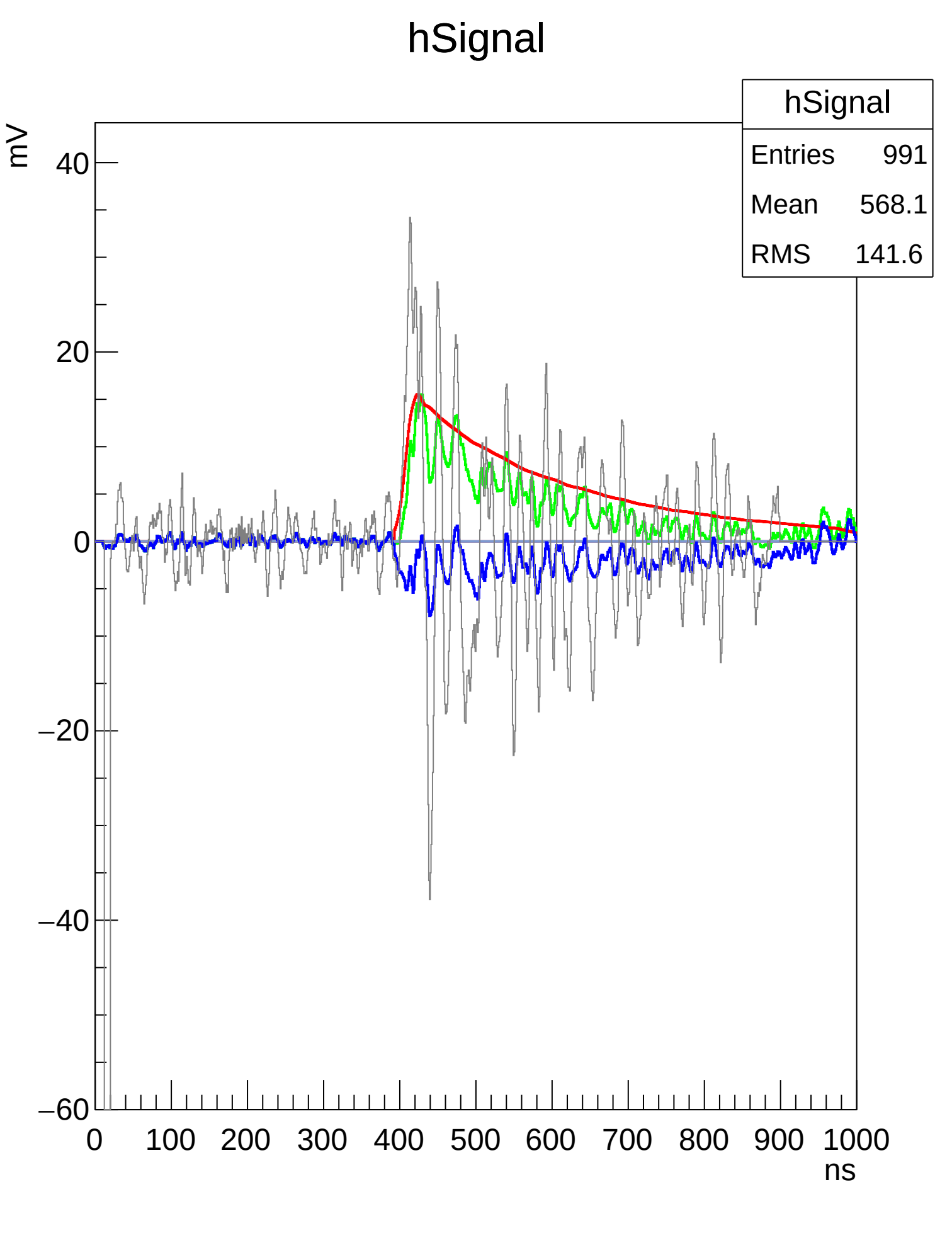
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.6
RMS 147.5
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.7
RMS 144.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.1
RMS 141.6
mV
40
20
0
−20
−40
−60
0
100
200
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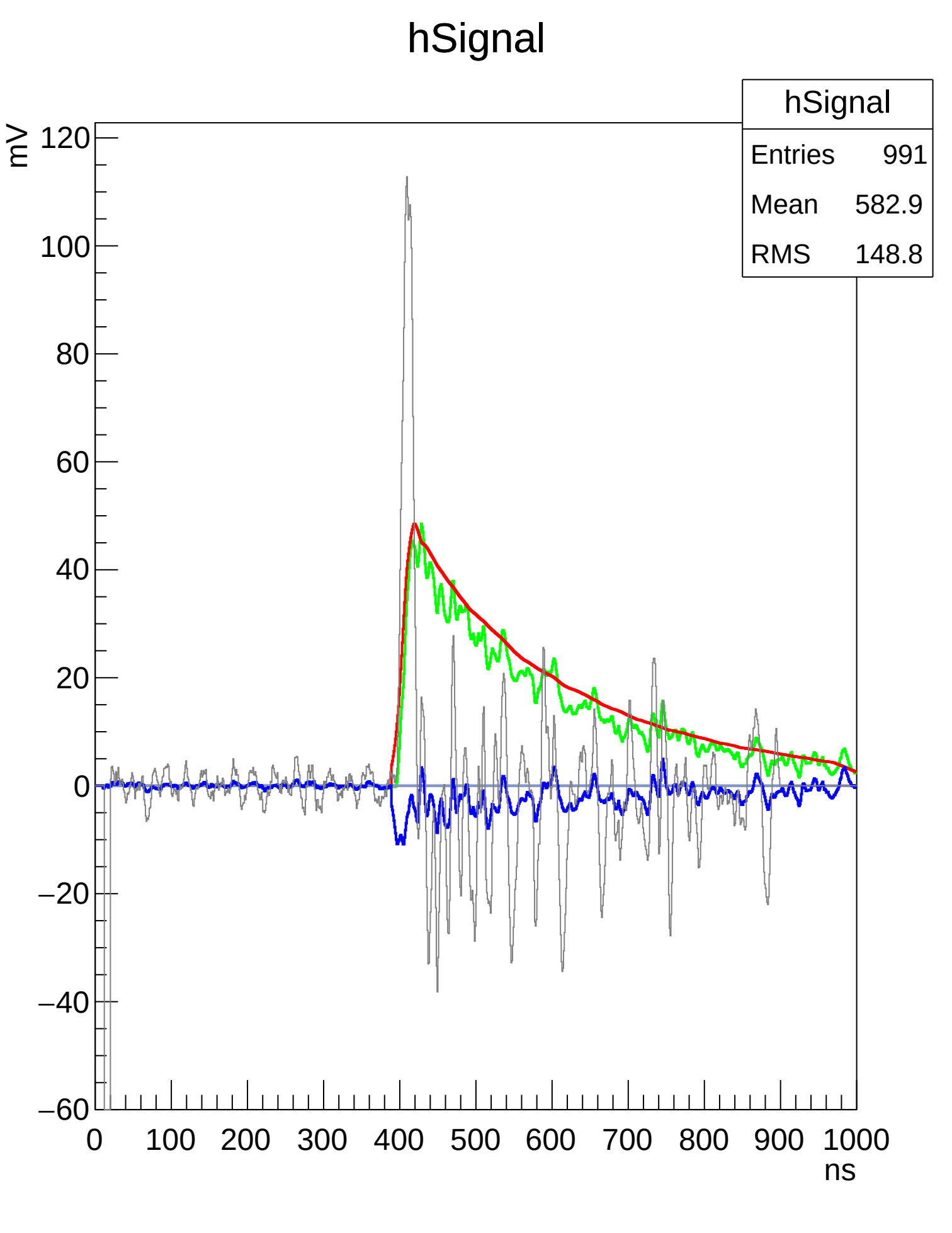
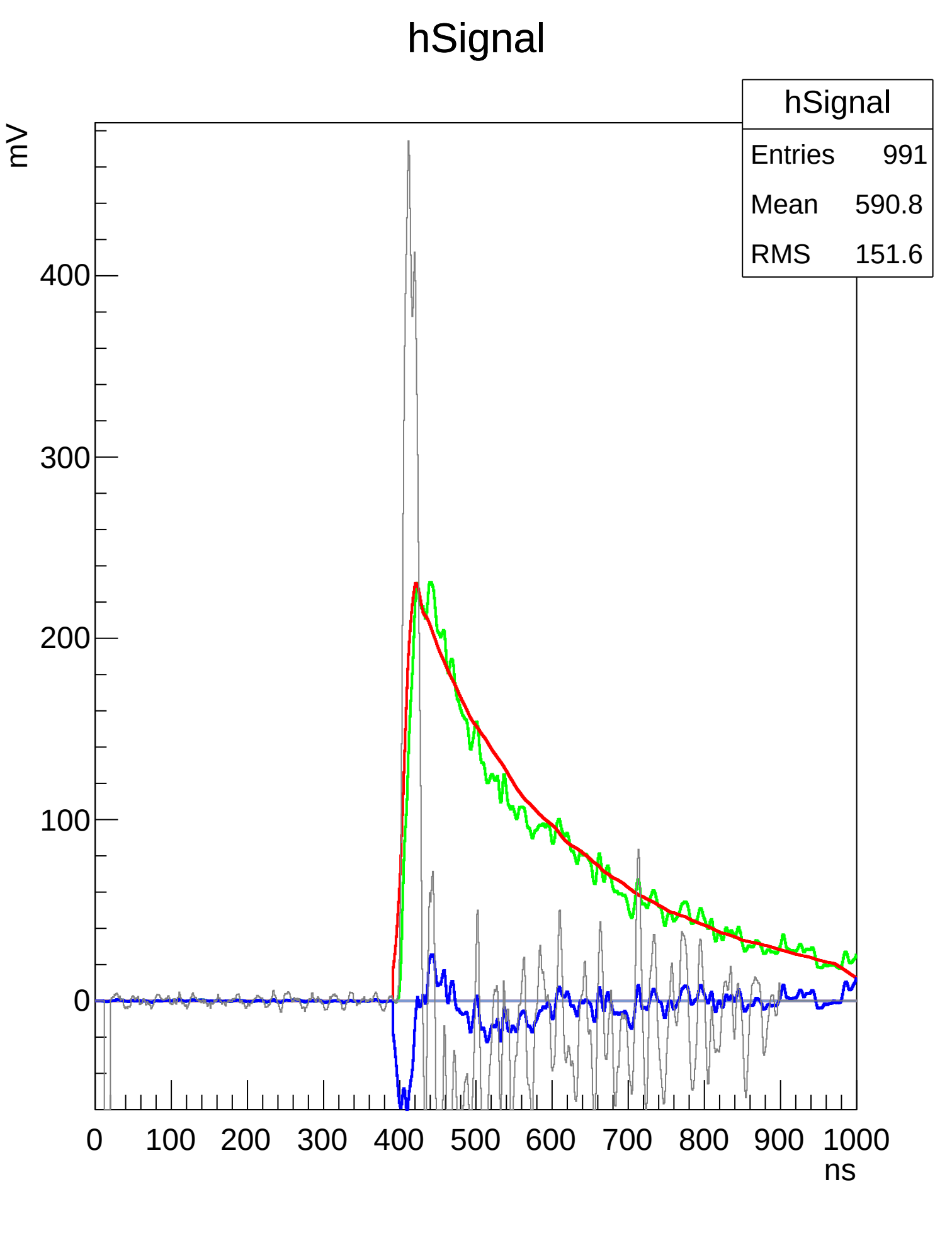
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.9
RMS 148.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.8
RMS 151.6
mV
400
300
200
100
0
0
100
200
300
400
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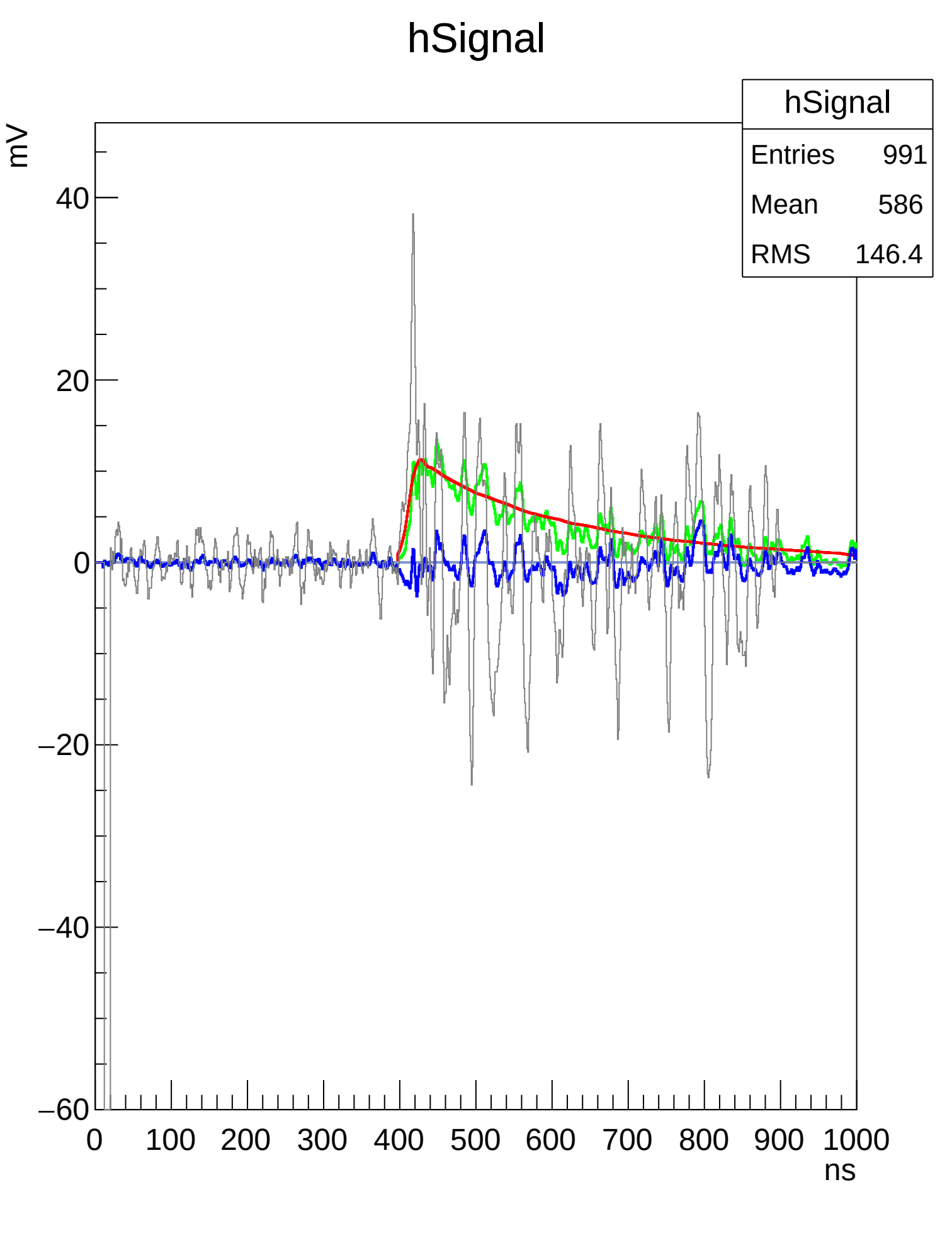
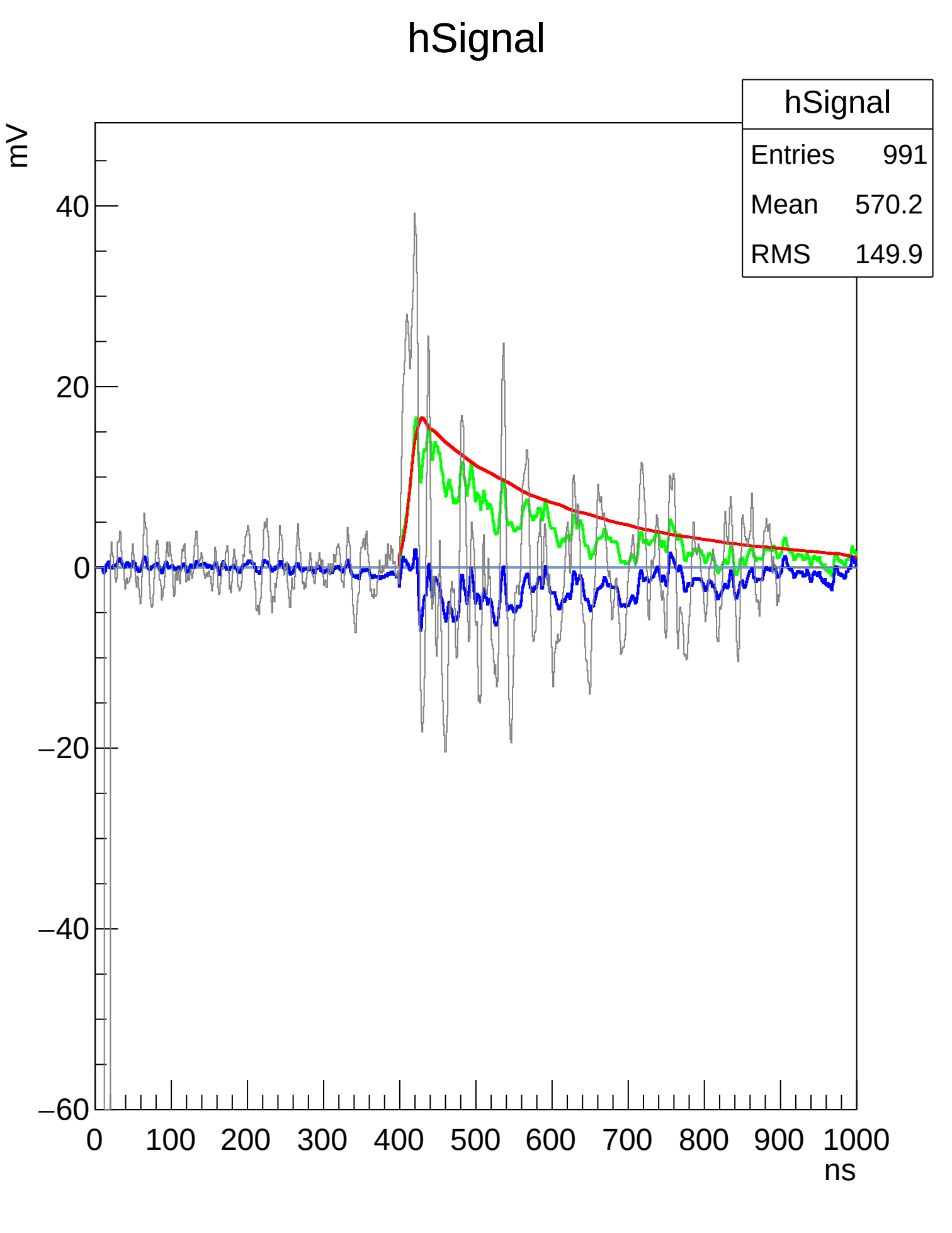
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586
RMS 146.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.2
RMS 149.9
mV
40
20
0
−20
−40
−60
0
100
200
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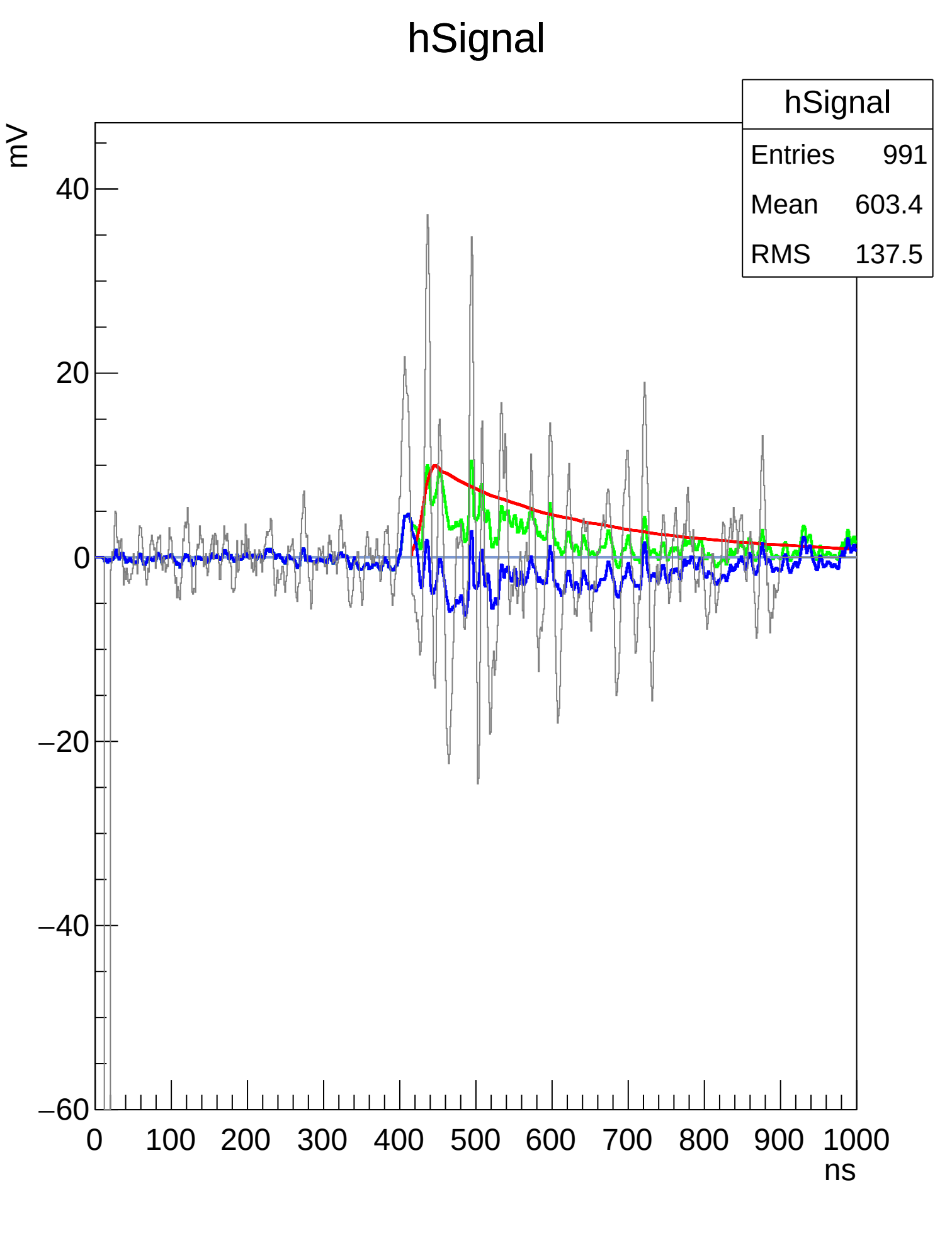
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.4
RMS 137.5
mV
40
20
0
−20
−40
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0
100
200
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400
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600
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800
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1000
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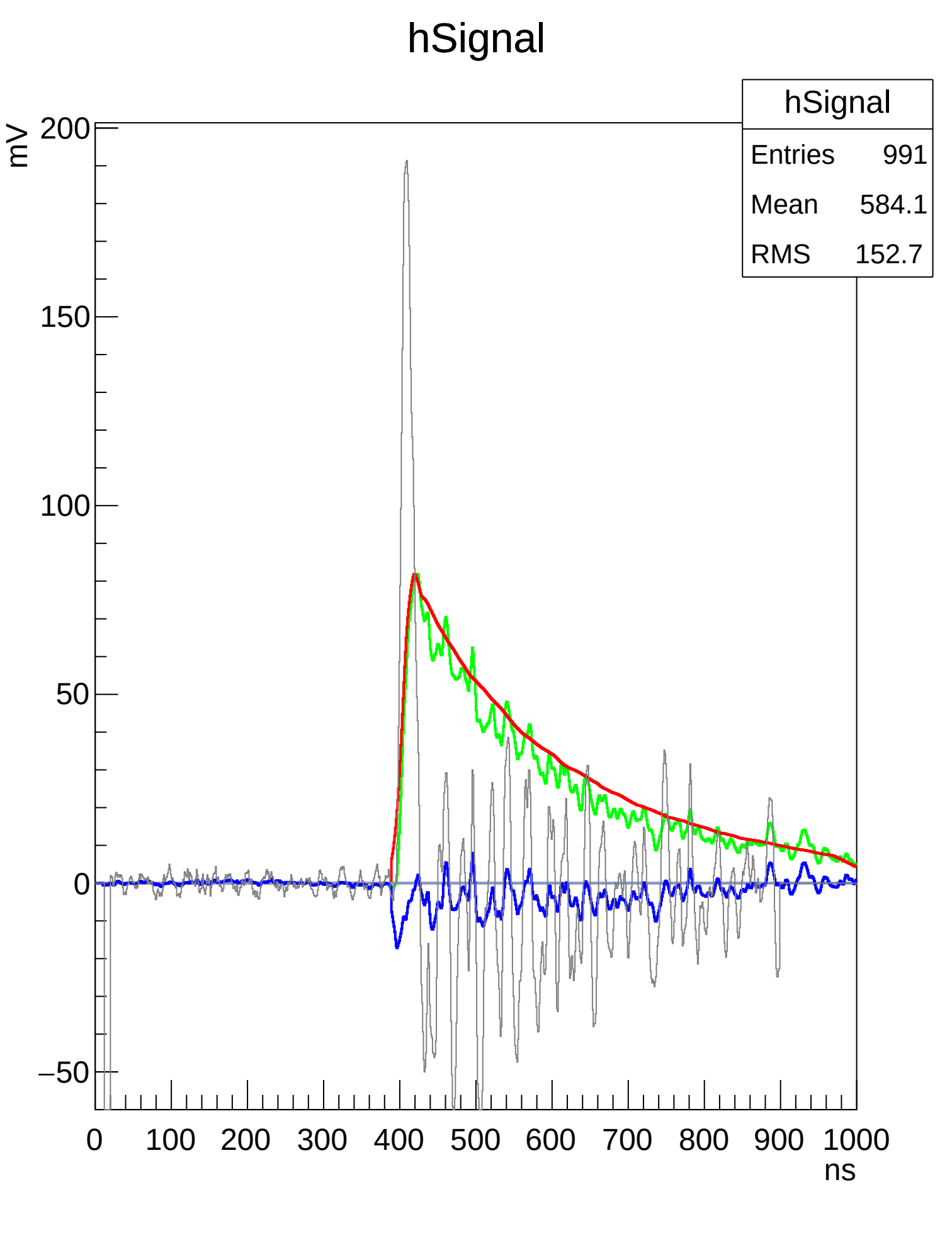
hSignal
hSignal
Entries 991
Mean 584.1
RMS 152.7
mV
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100
50
0
−50
0
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200
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400
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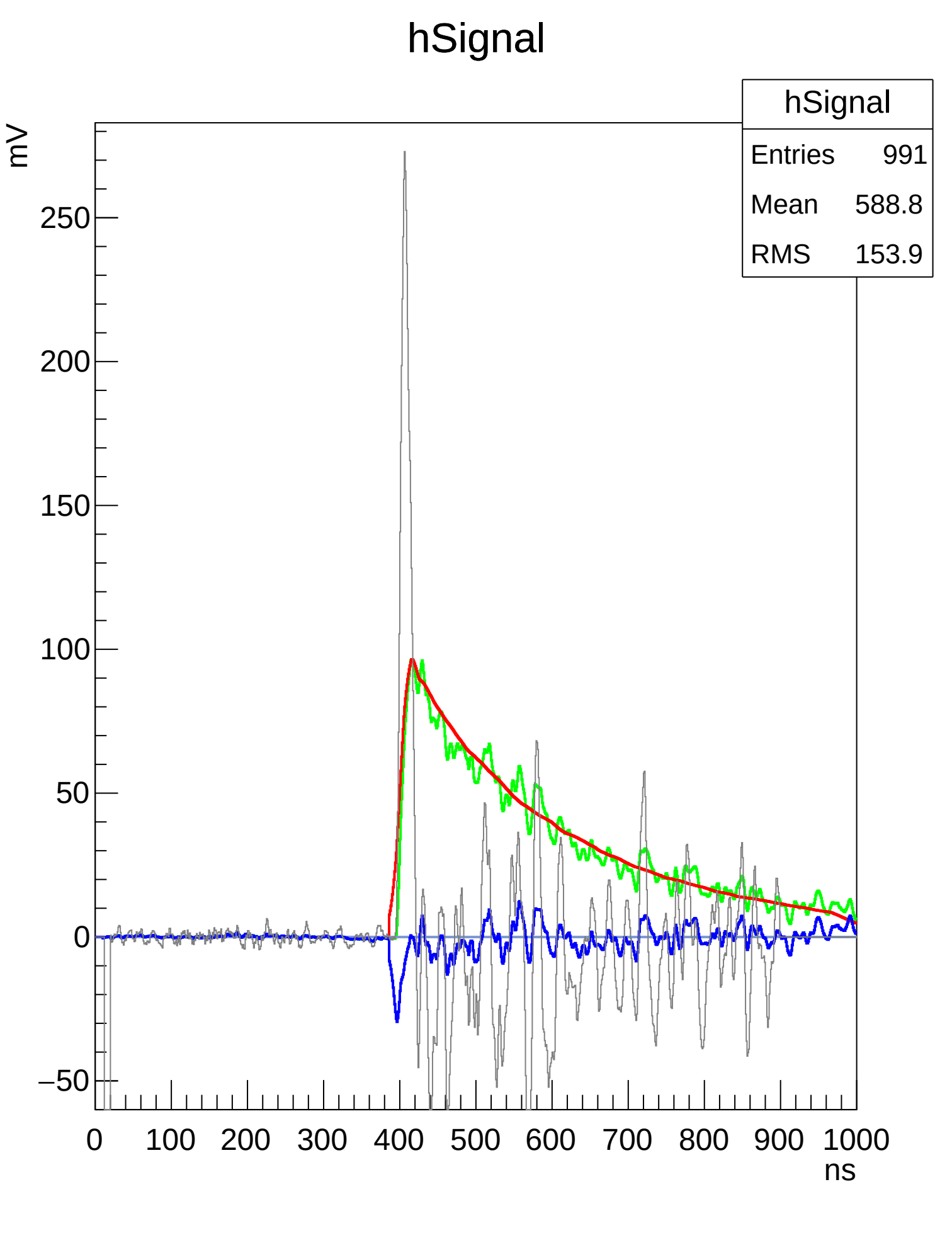
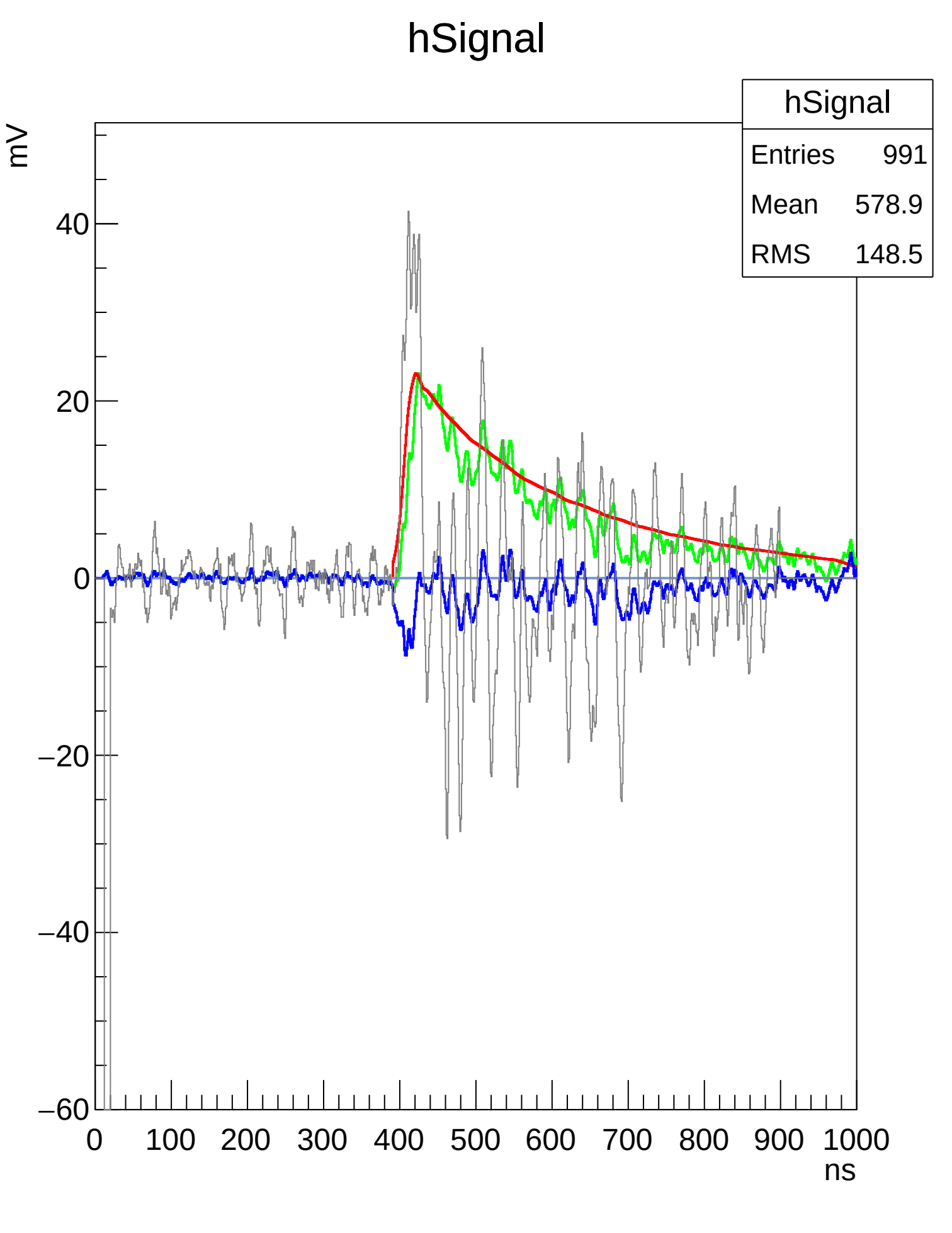
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.8
RMS 153.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 148.5
mV
40
20
0
−20
−40
−60
0
100
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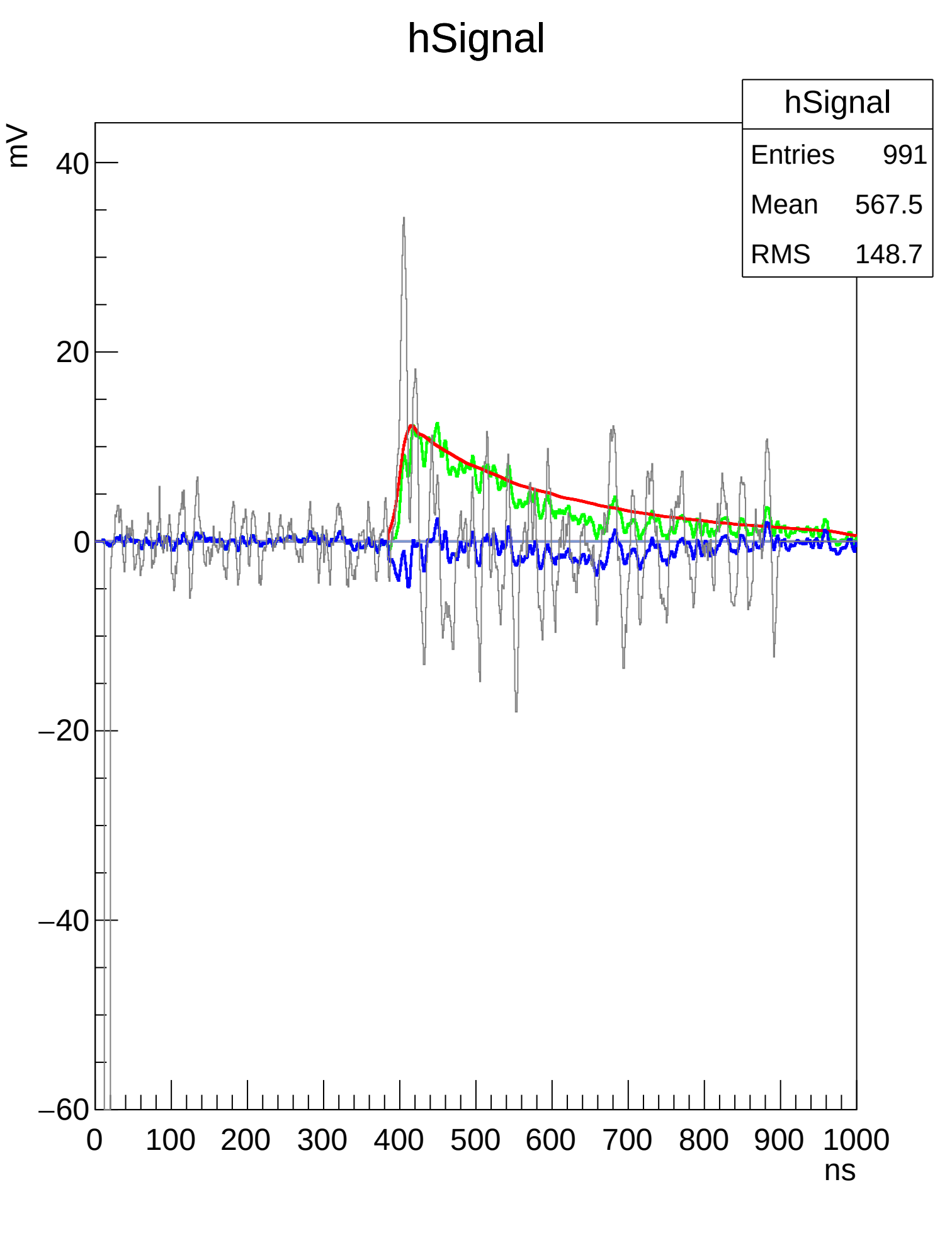
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.5
RMS 148.7
mV
40
20
0
−20
−40
−60
0
100
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800
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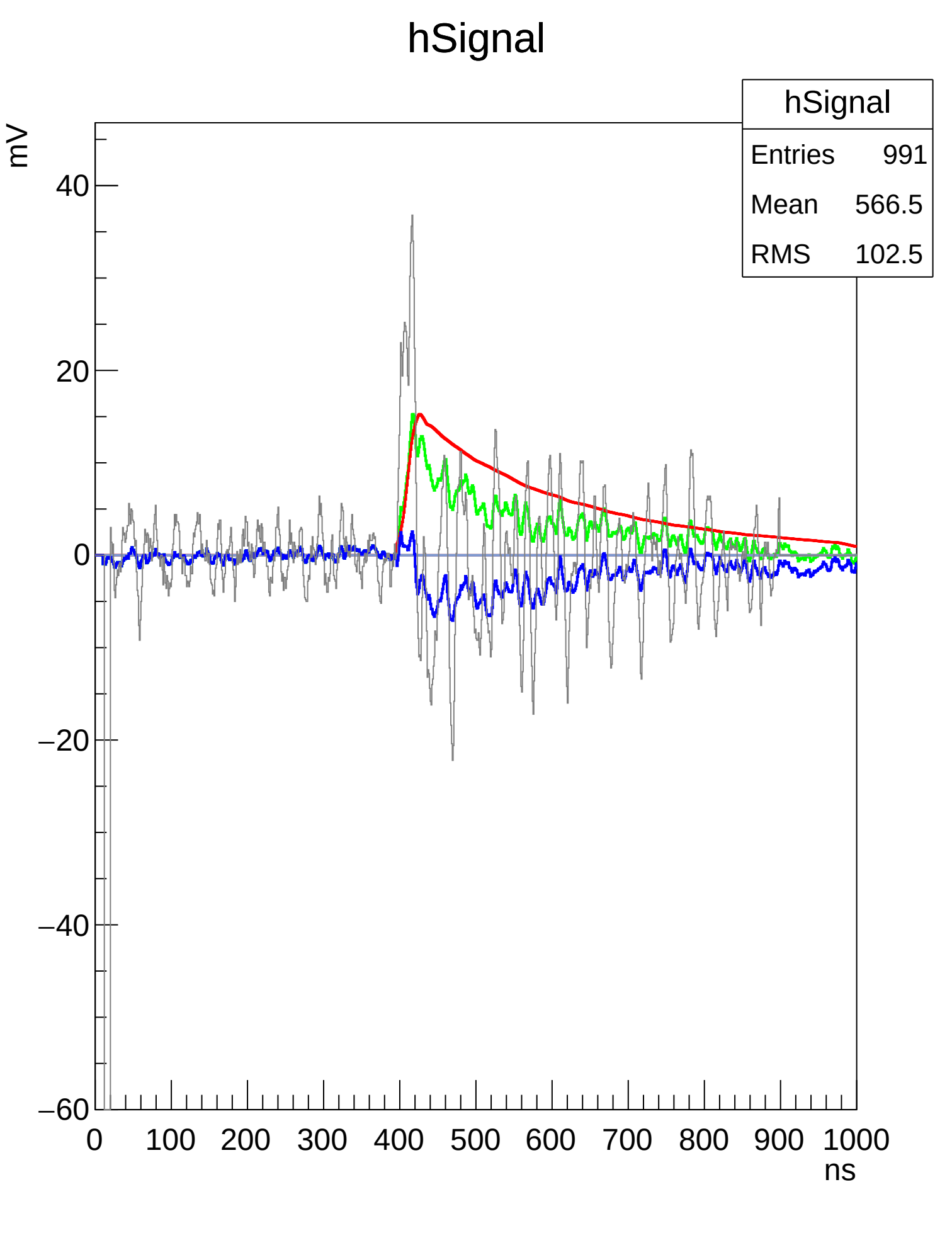
1000
ns


hSignal
hSignal
Entries 991
Mean 566.5
RMS 102.5
mV
40
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0
−20
−40
−60
0
100
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800
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1000
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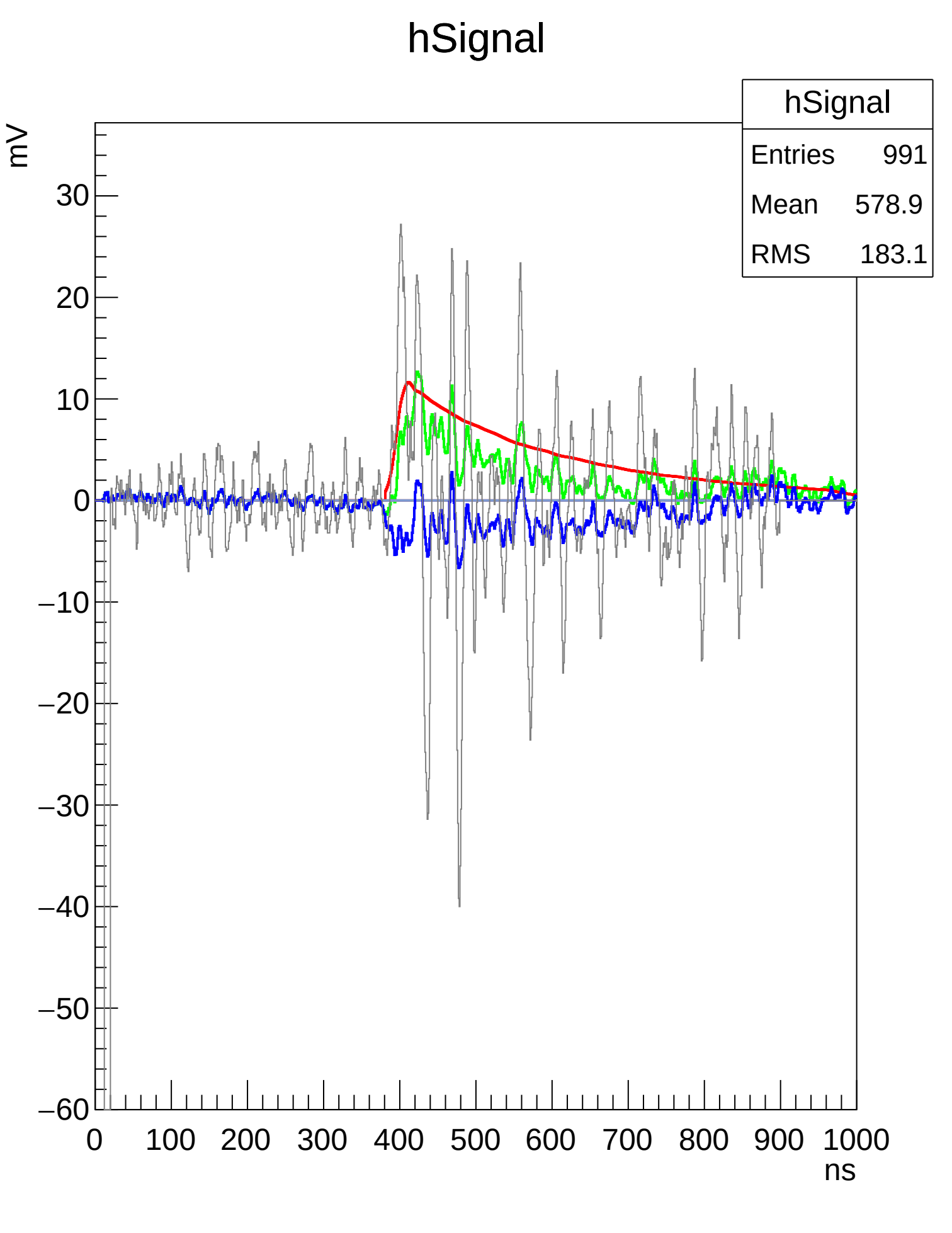
hSignal
hSignal
Entries 991
Mean 578.9
RMS 183.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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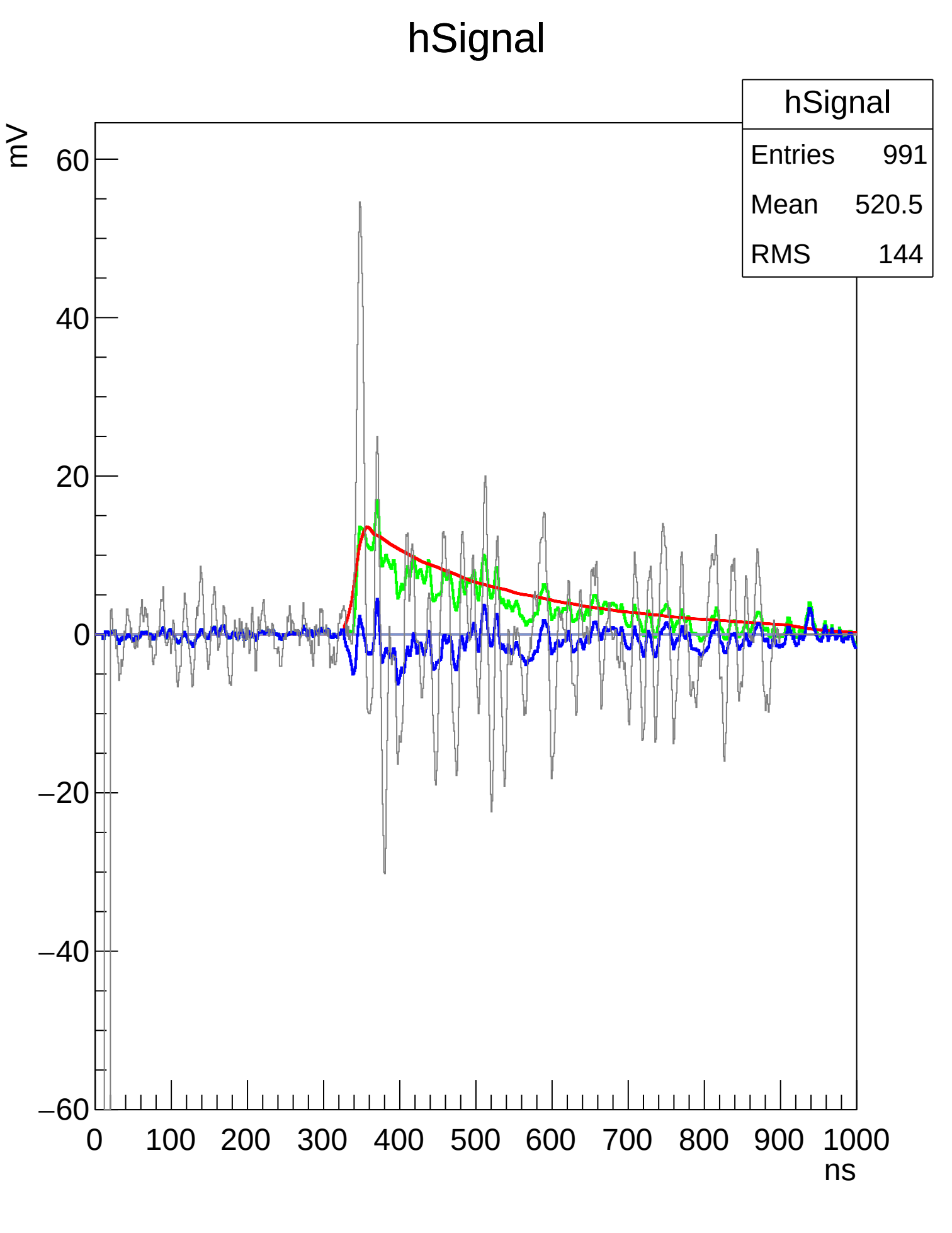
1000
ns


hSignal
hSignal
Entries 991
Mean 520.5
RMS 144
mV
60
40
20
0
−20
−40
−60
0
100
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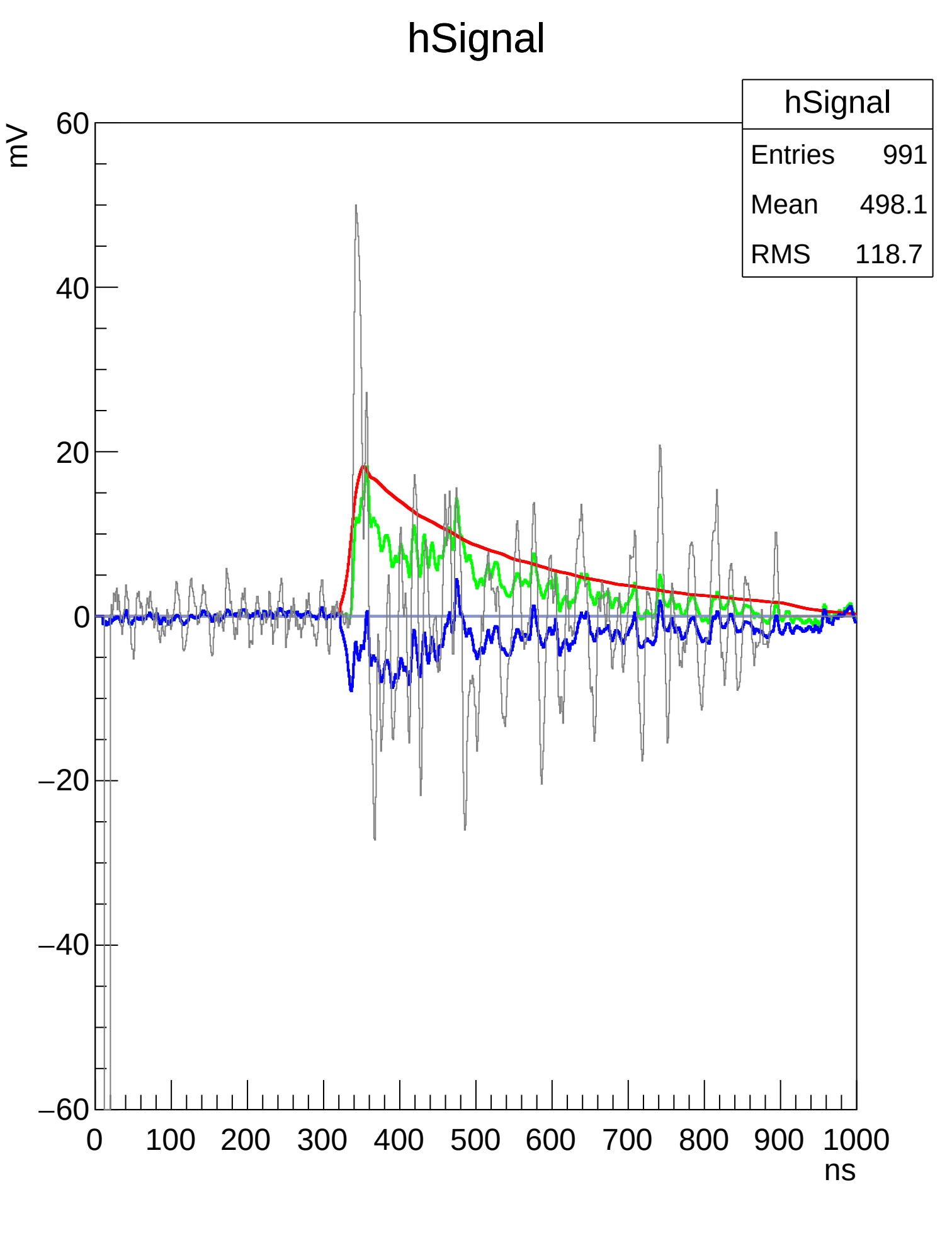
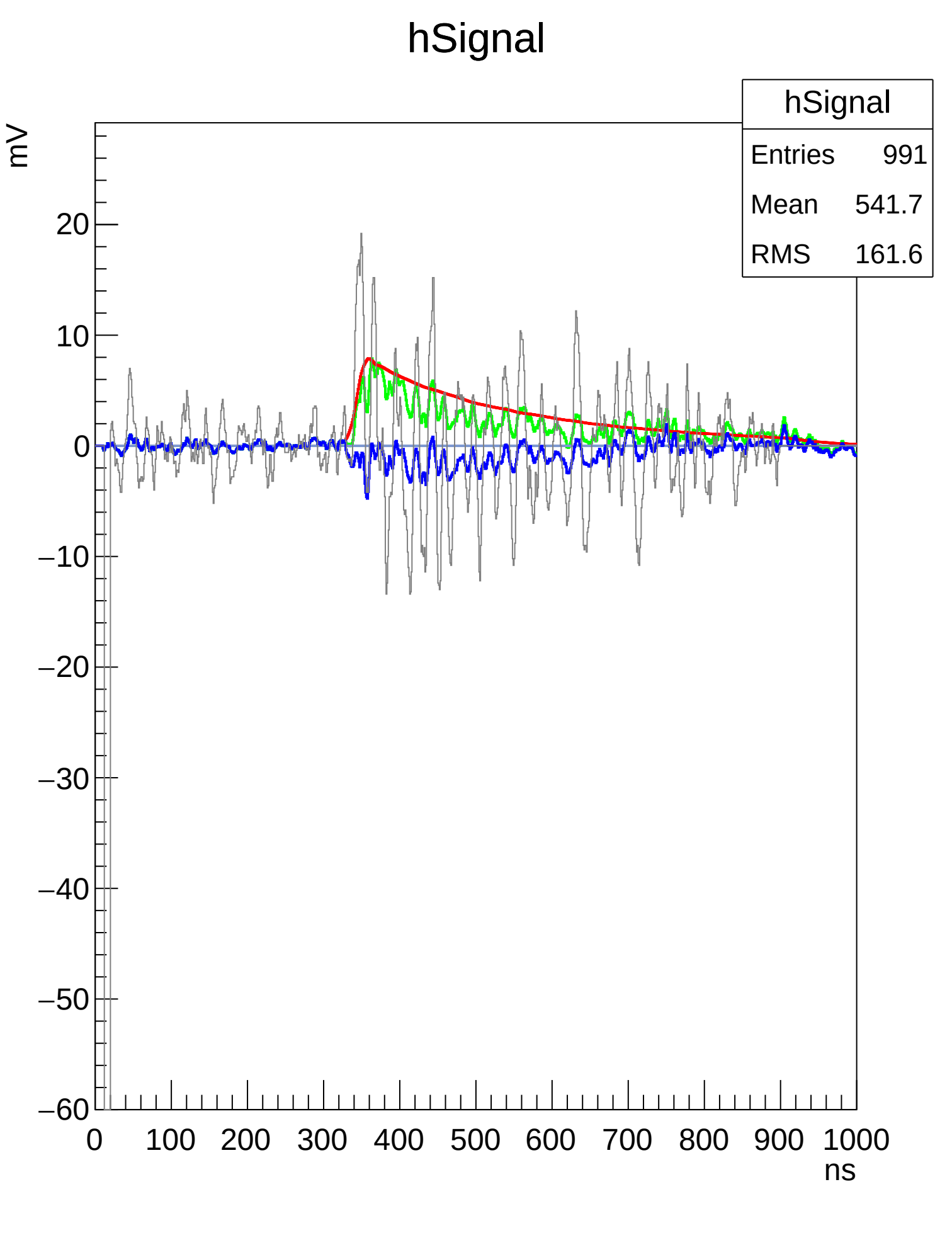
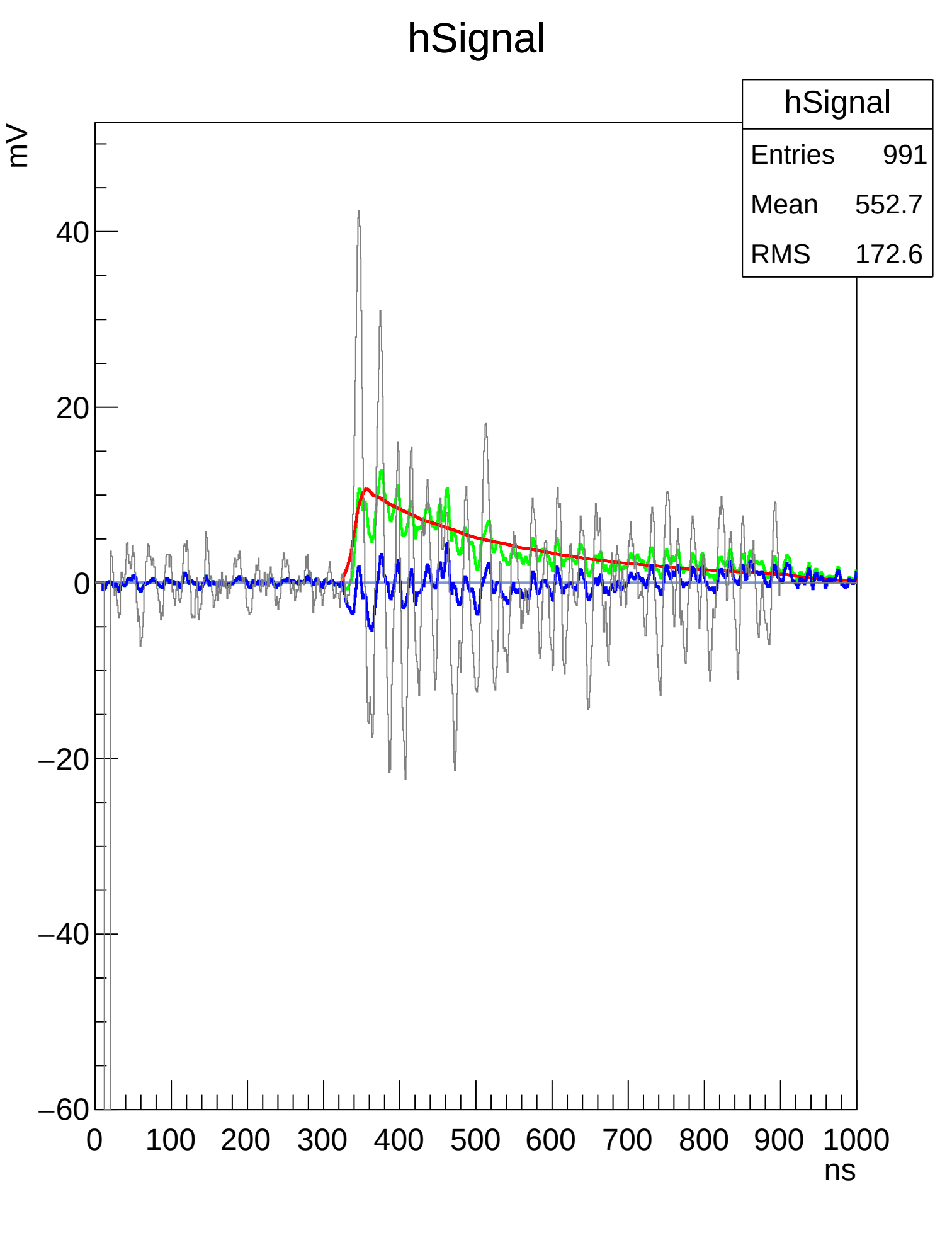
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.1
RMS 118.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.7
RMS 161.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.7
RMS 172.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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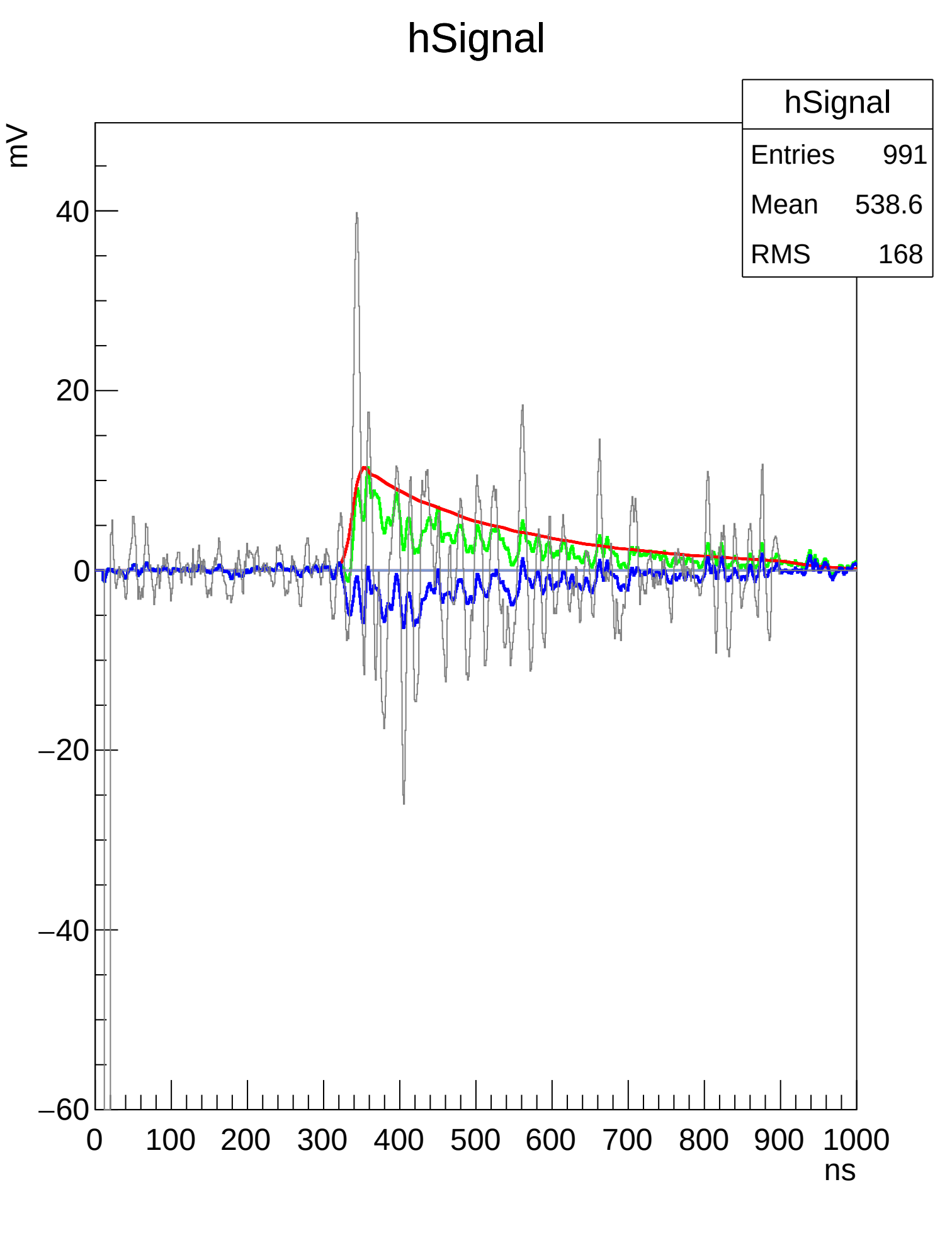
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.6
RMS 168
mV
40
20
0
−20
−40
−60
0
100
200
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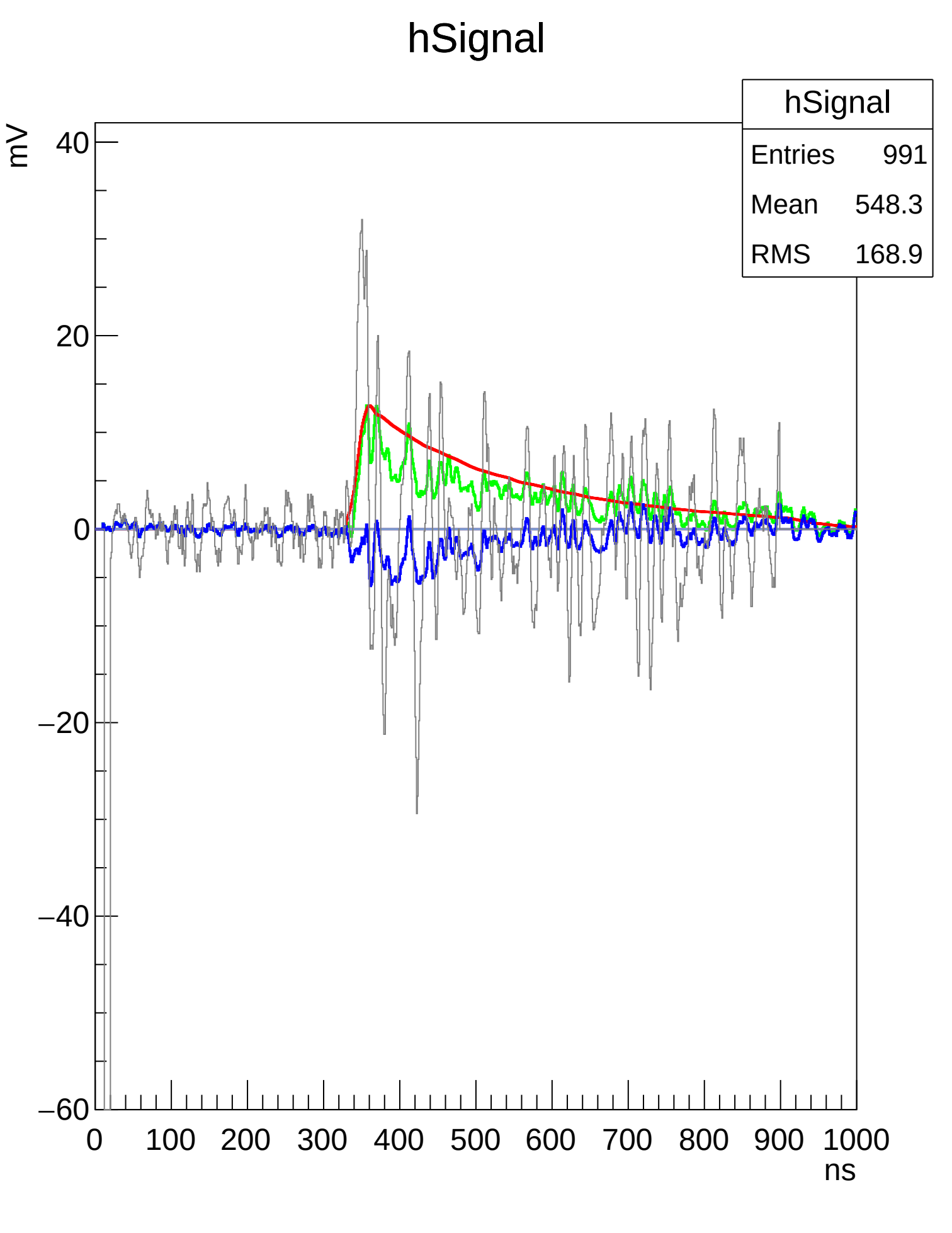
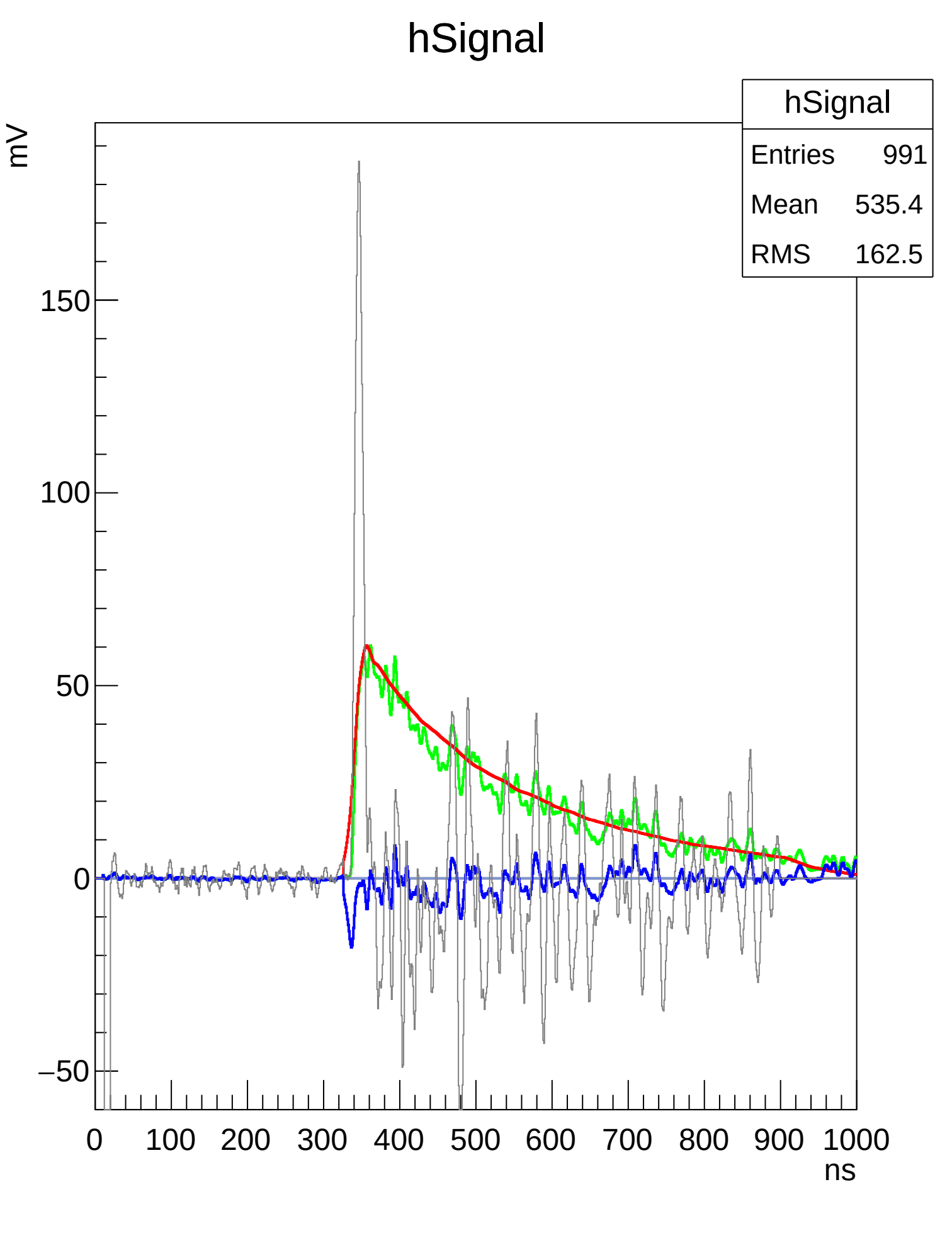
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.3
RMS 168.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.4
RMS 162.5
mV
150
100
50
0
−50
0
100
200
300
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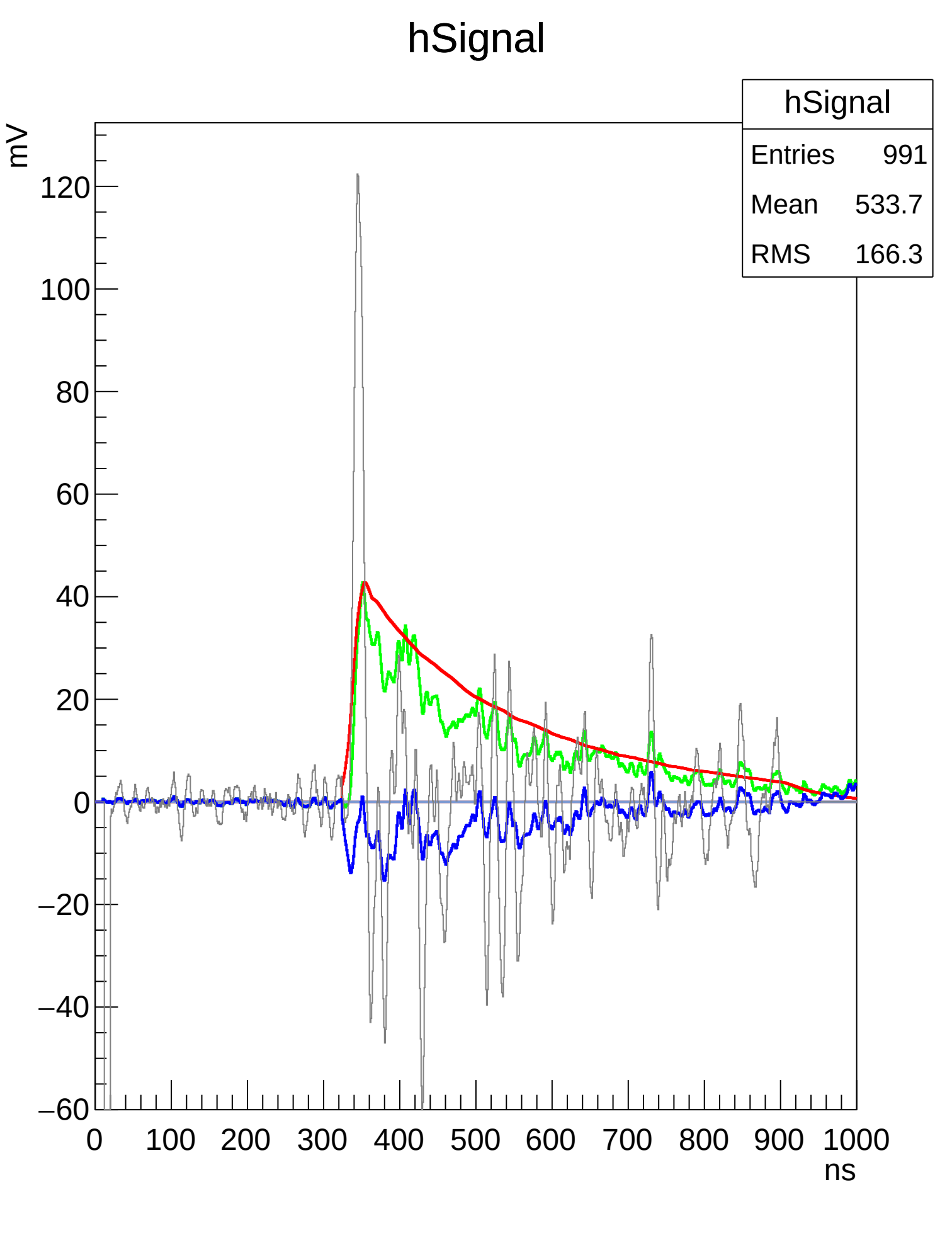
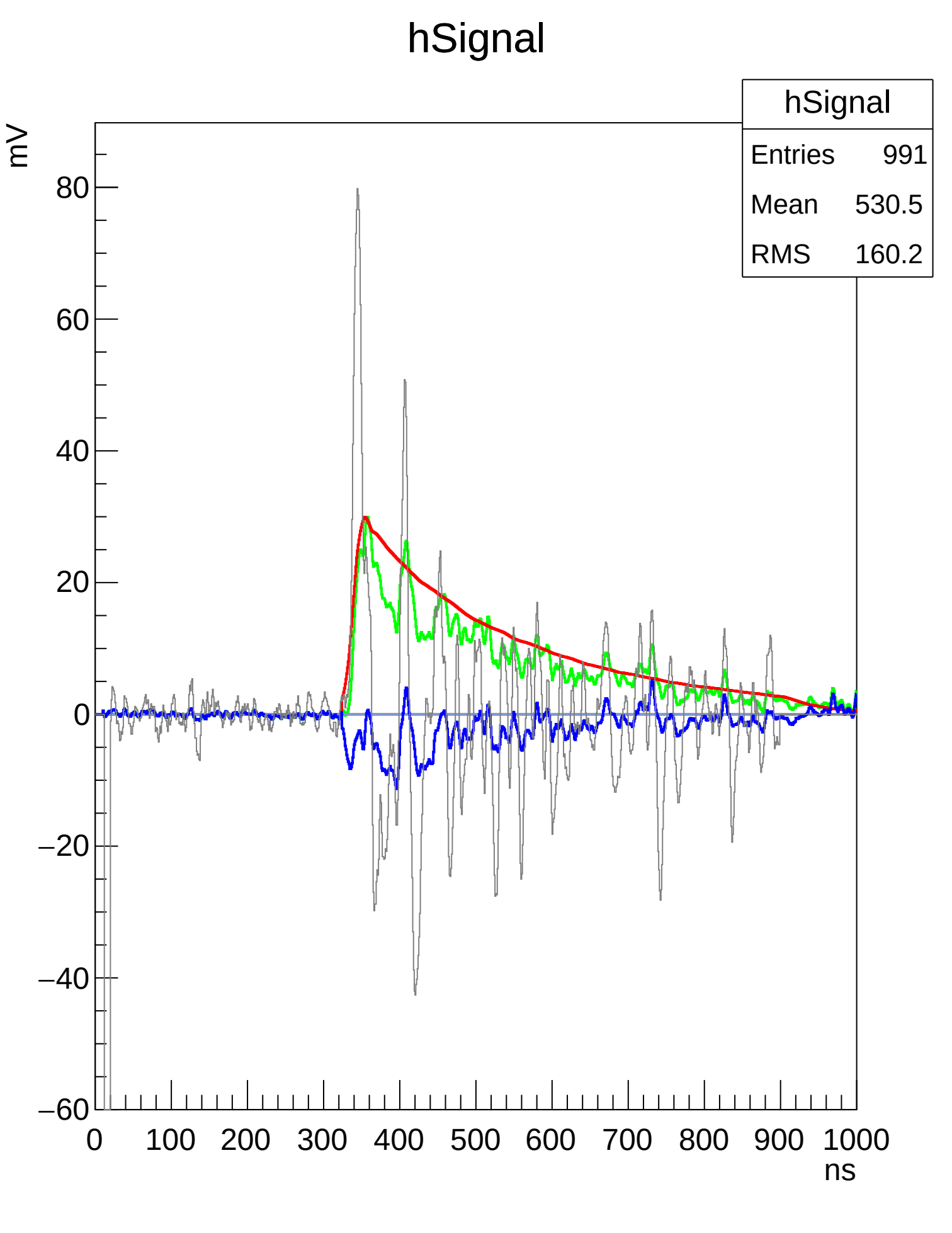
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.7
RMS 166.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.5
RMS 160.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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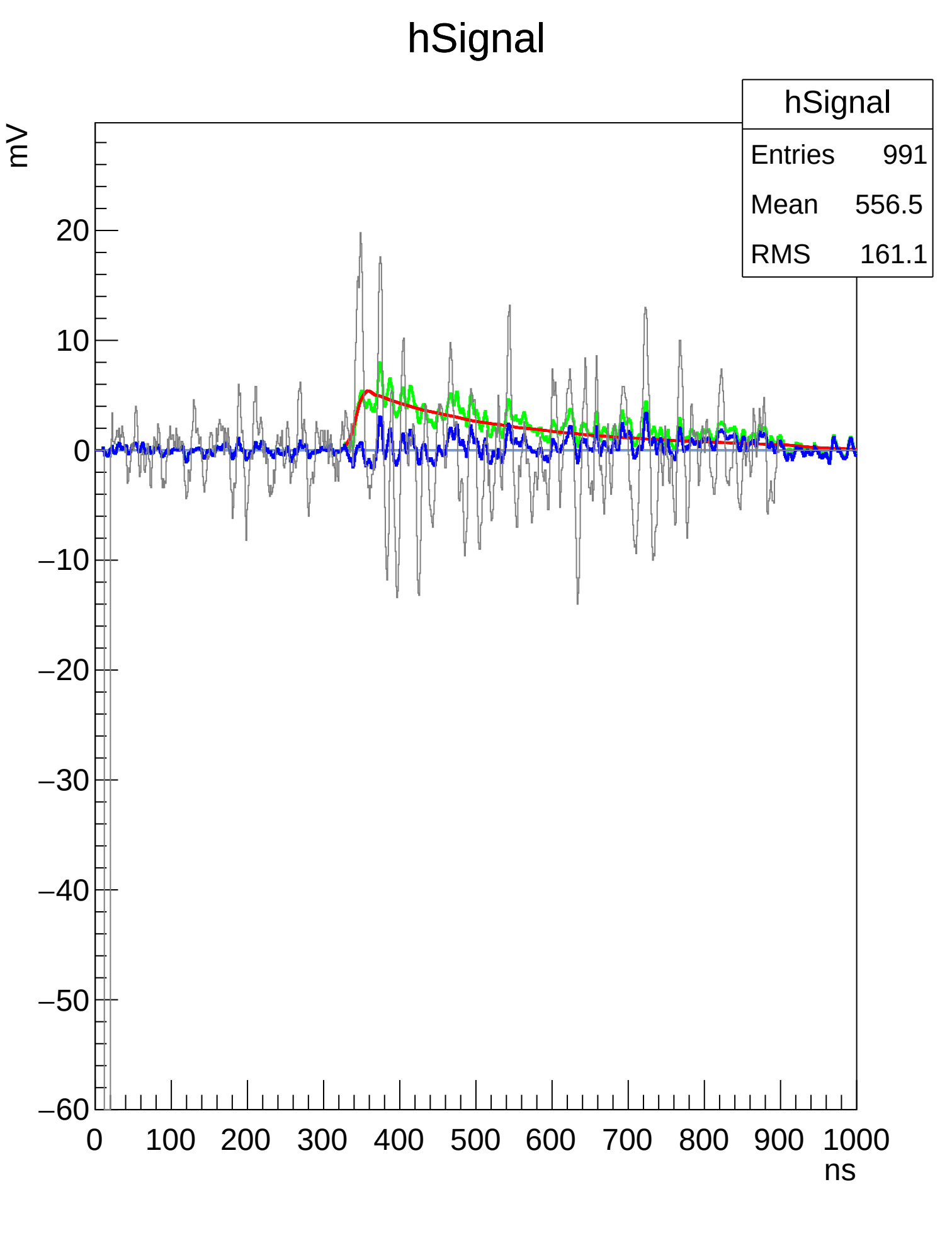
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.5
RMS 161.1
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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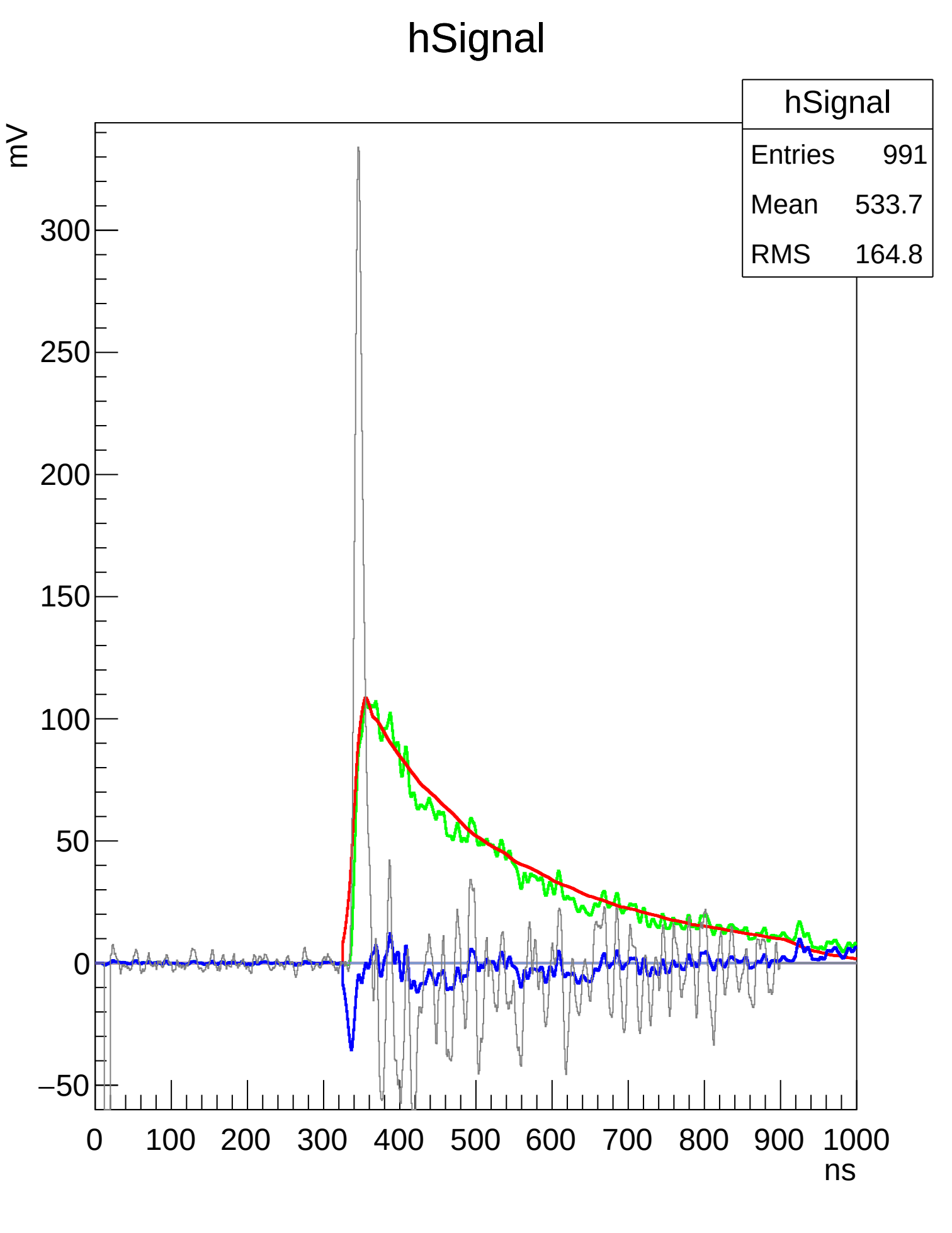
1000
ns


hSignal
hSignal
Entries 991
Mean 533.7
RMS 164.8
mV
300
250
200
150
100
50
0
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400
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600
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800
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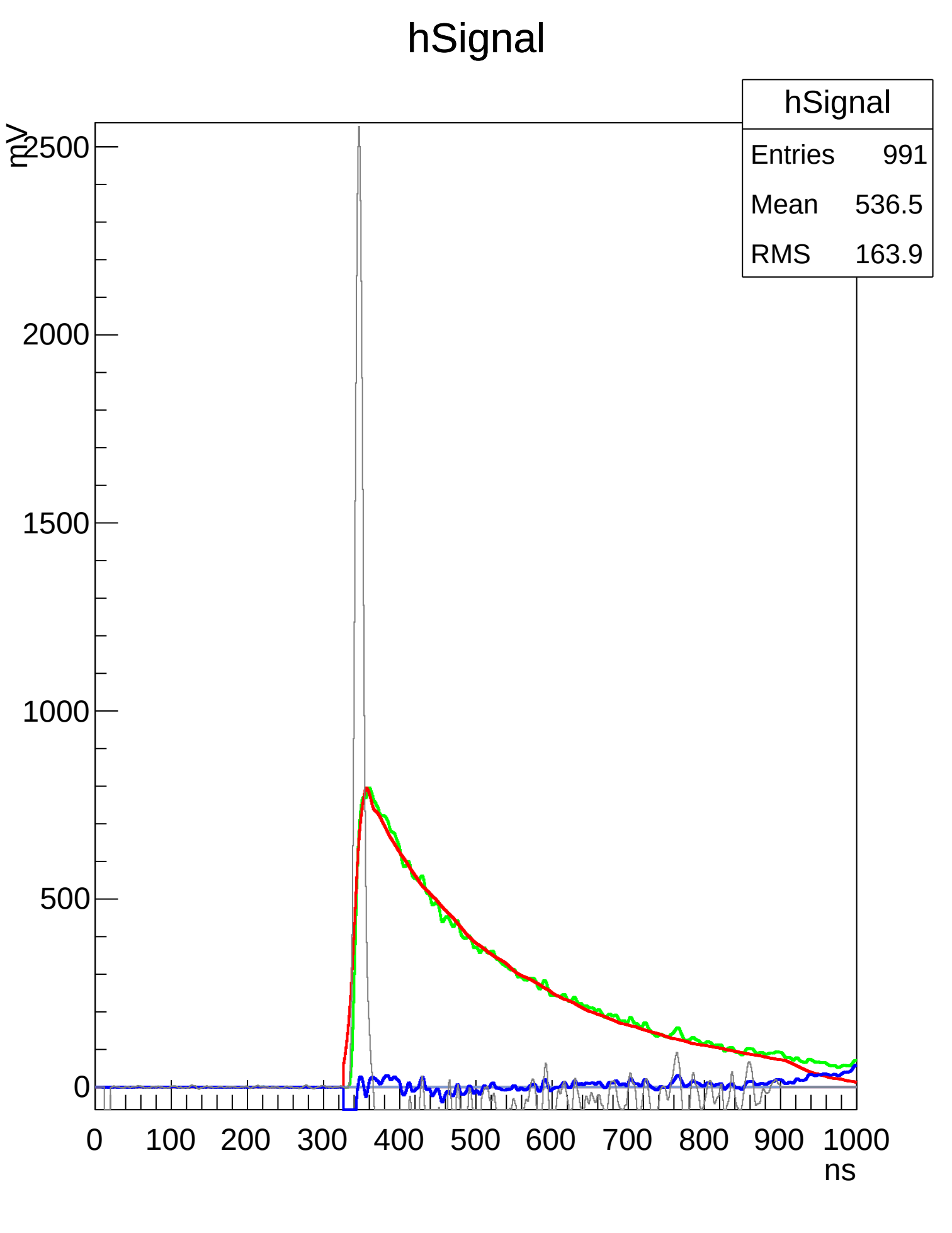
1000
ns


hSignal
hSignal
Entries 991
Mean 536.5
RMS 163.9
mV
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1500
1000
500
0
0
100
200
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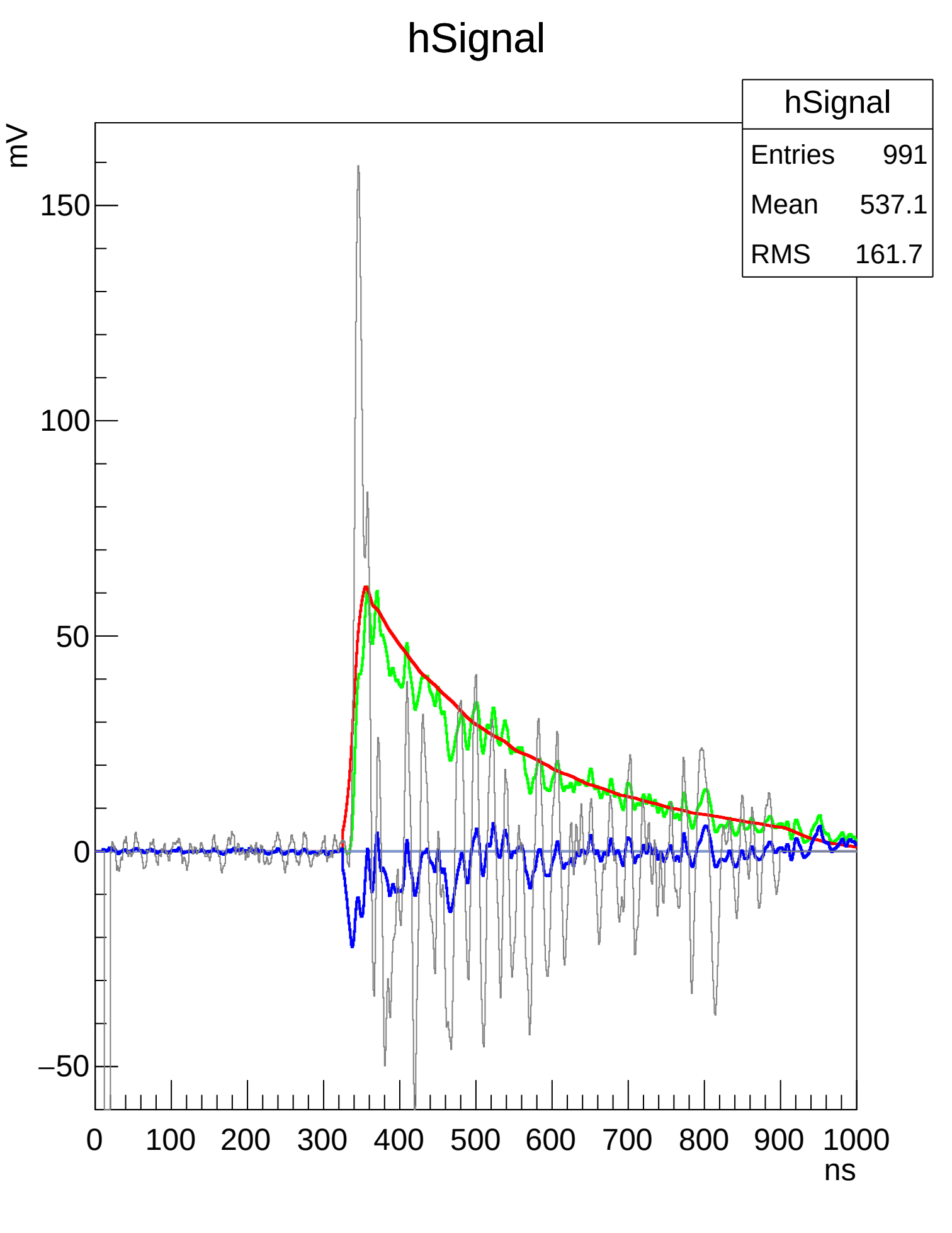
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.1
RMS 161.7
mV
150
100
50
0
−50
0
100
200
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600
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800
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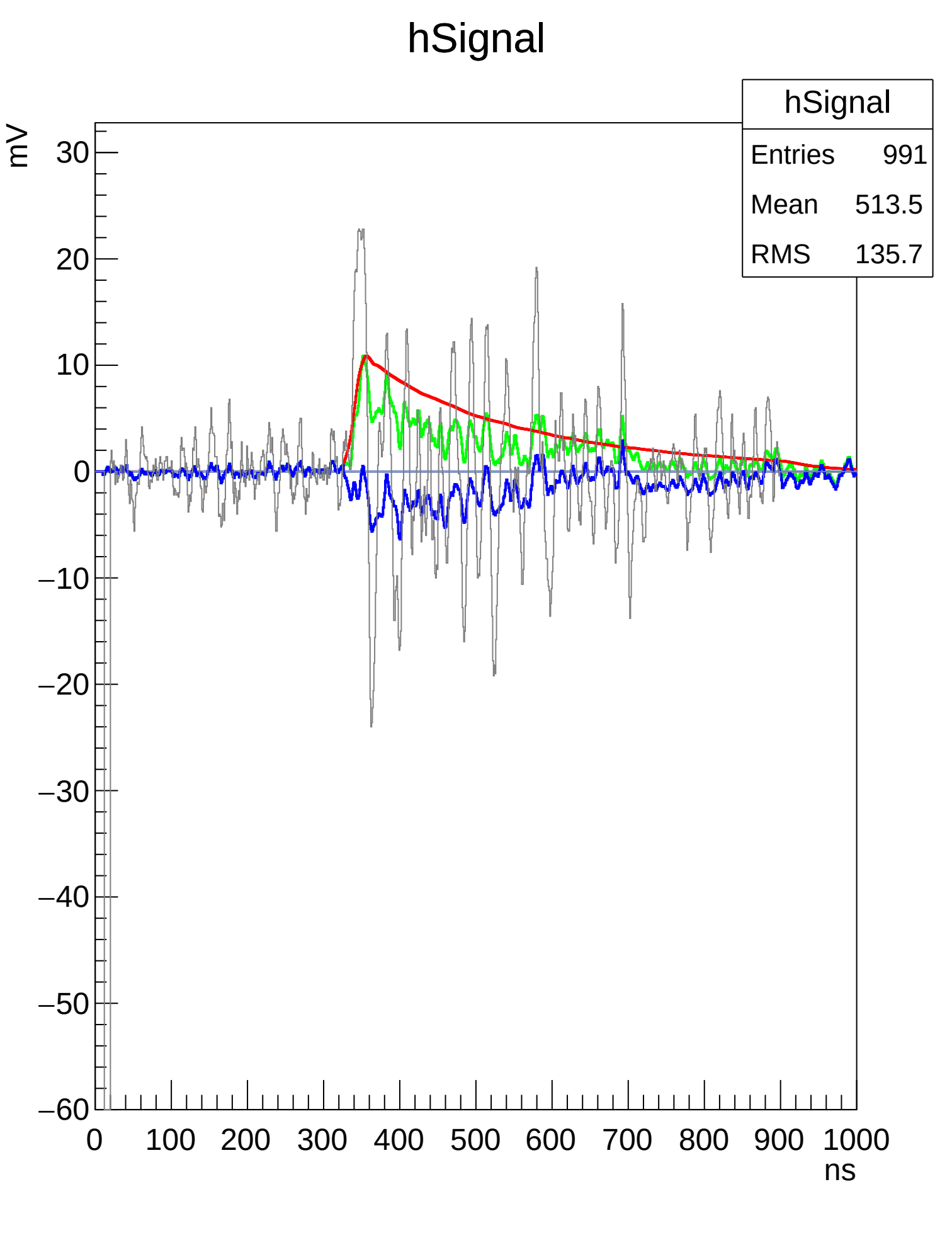
1000
ns


hSignal
hSignal
Entries 991
Mean 513.5
RMS 135.7
mV
30
20
10
0
−10
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−40
−50
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0
100
200
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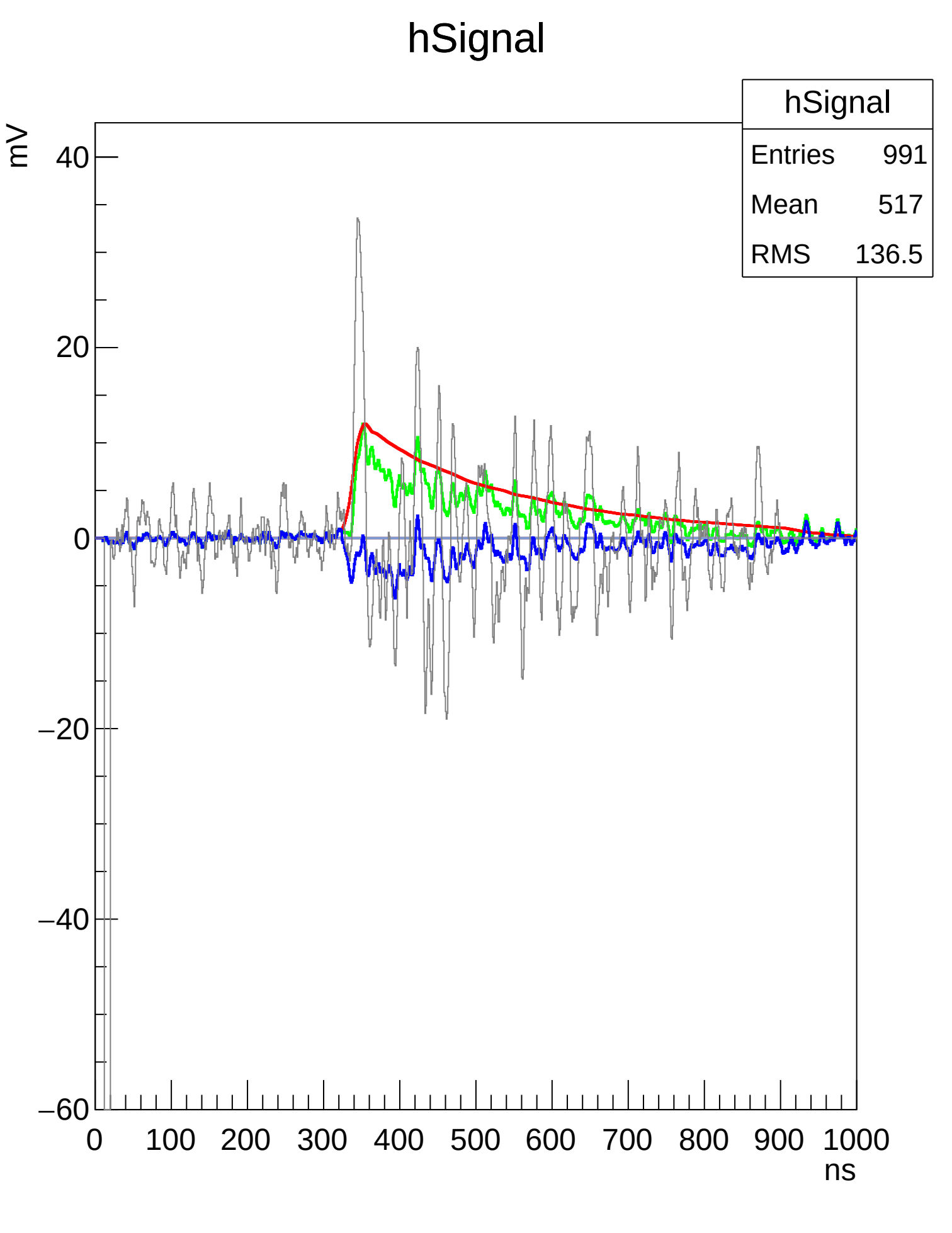
1000
ns


hSignal
hSignal
Entries 991
Mean 517
RMS 136.5
mV
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−20
−40
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0
100
200
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600
700
800
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1000
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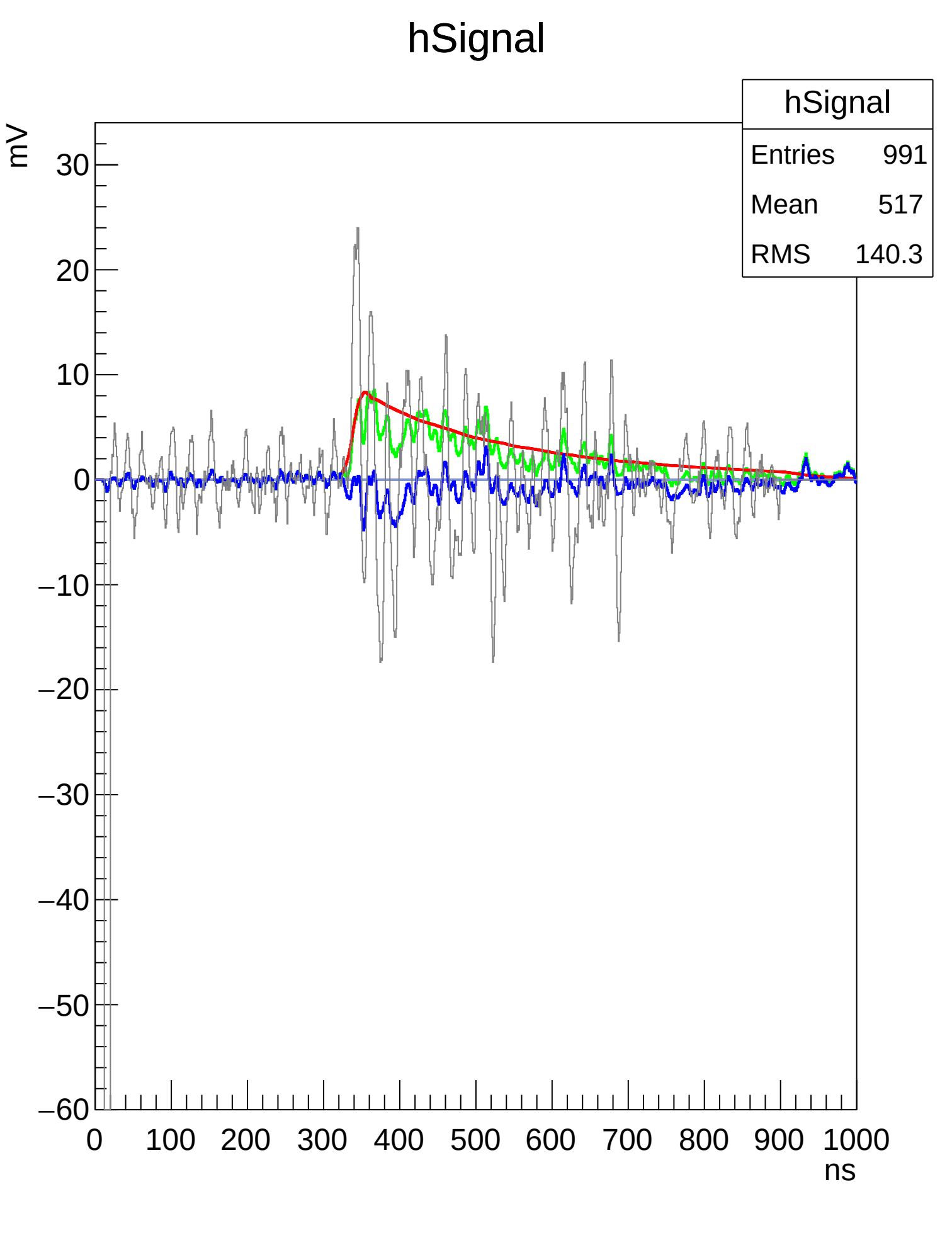
hSignal
hSignal
Entries 991
Mean 517
RMS 140.3
mV
30
20
10
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−40
−50
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0
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400
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800
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1000
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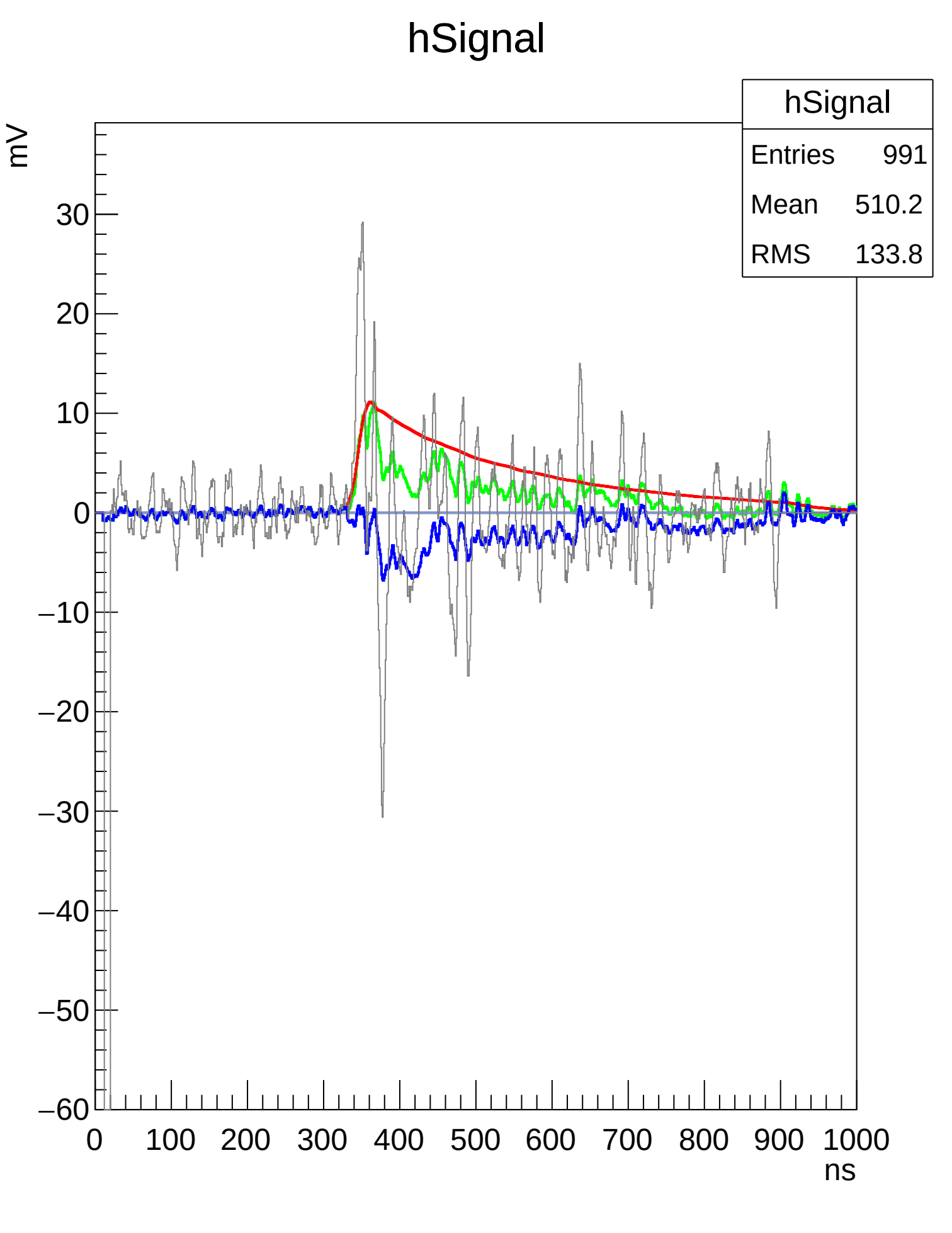
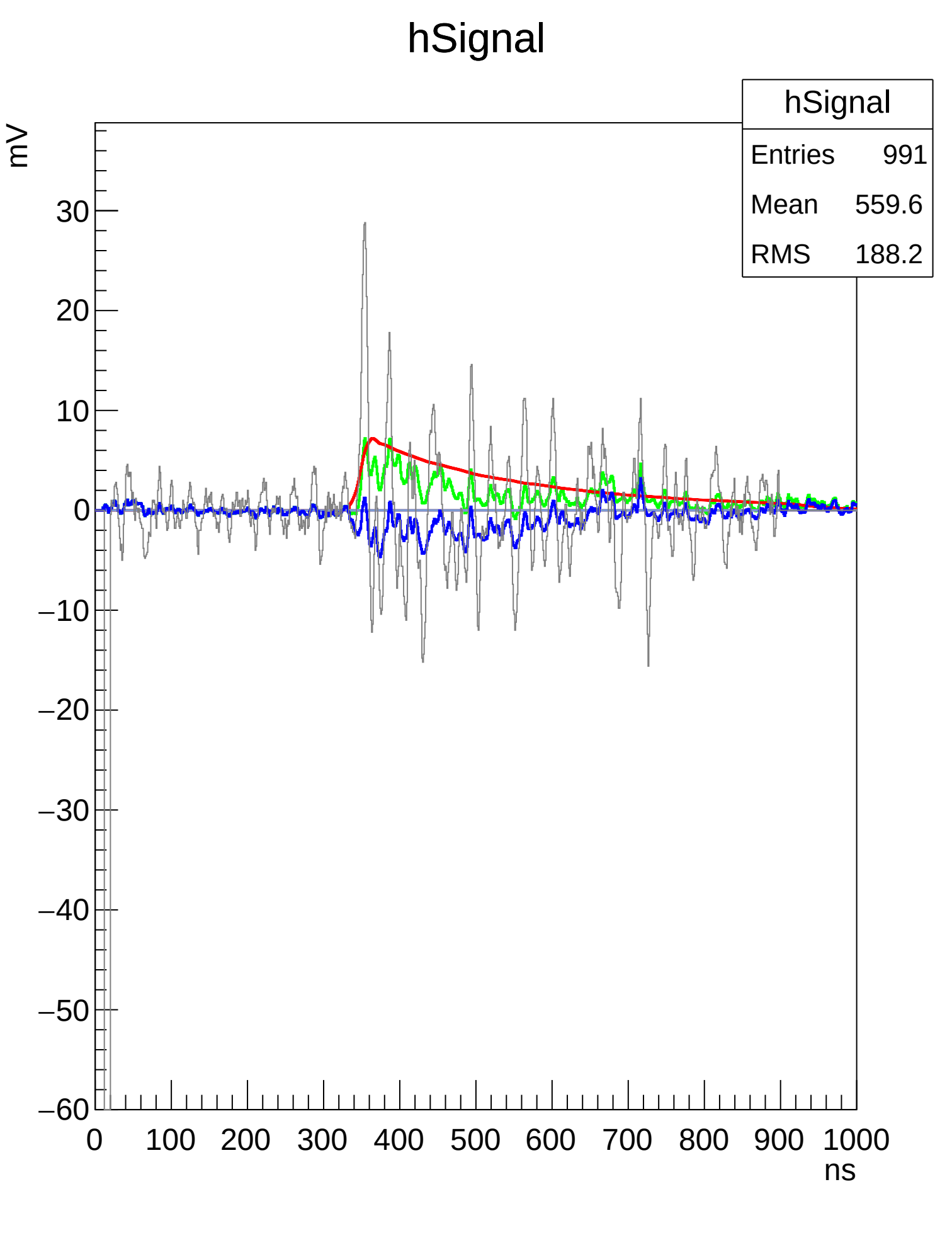

hSignal
hSignal
Entries 991
Mean 510.2
RMS 133.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.6
RMS 188.2
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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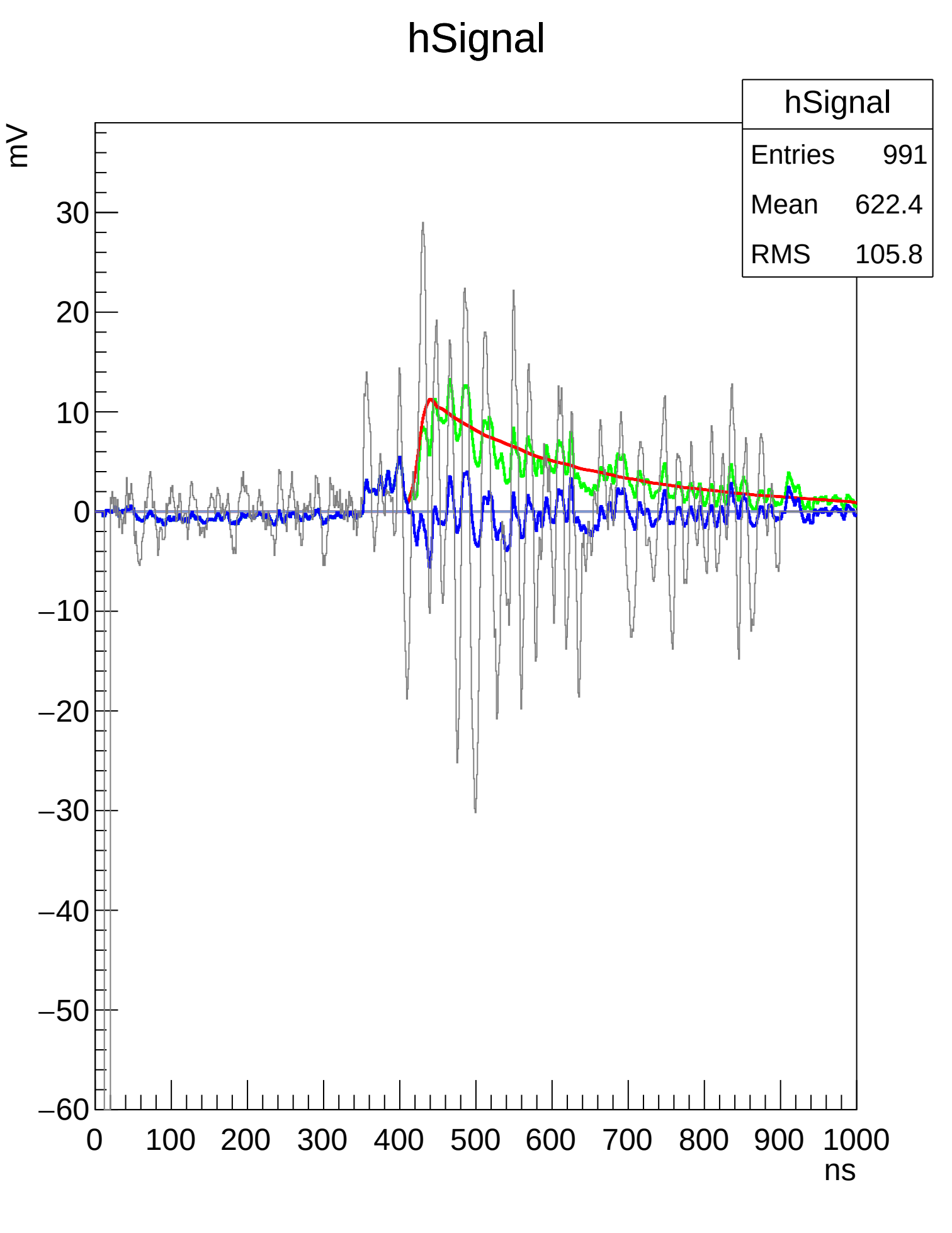
1000
ns


hSignal
hSignal
Entries 991
Mean 622.4
RMS 105.8
mV
30
20
10
0
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−40
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0
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600
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800
900
1000
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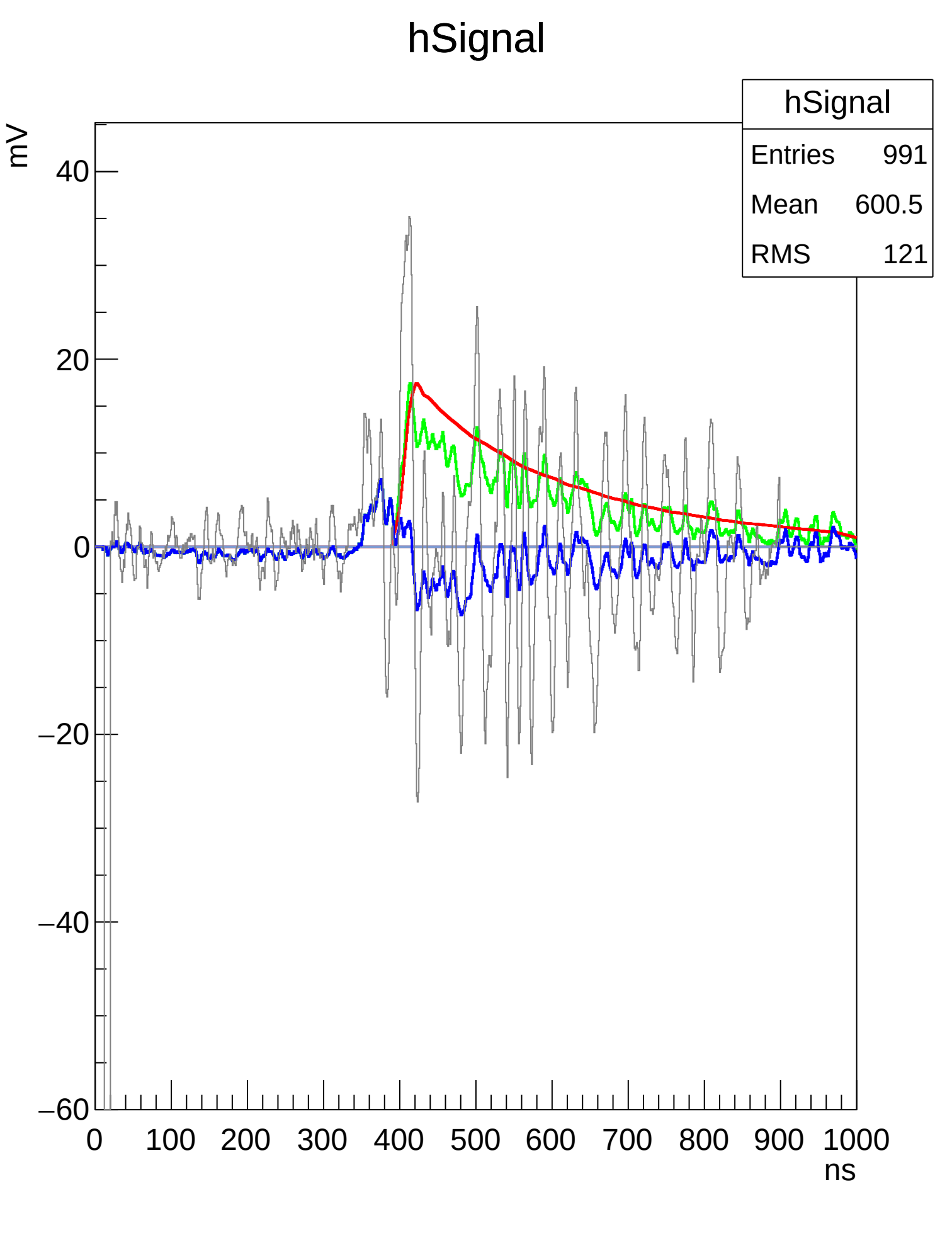
hSignal
hSignal
Entries 991
Mean 600.5
RMS 121
mV
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−20
−40
−60
0
100
200
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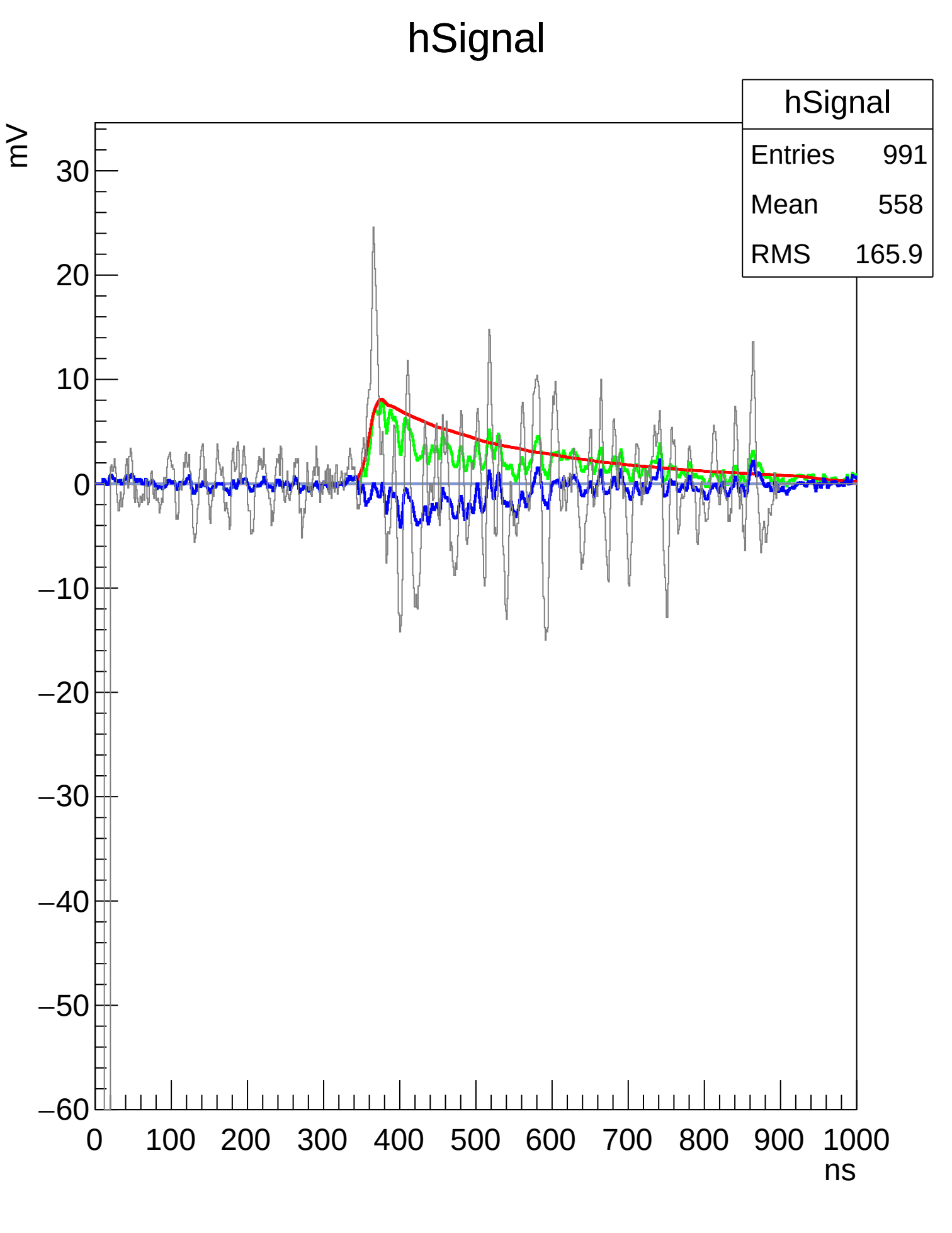
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 165.9
mV
30
20
10
0
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−20
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−40
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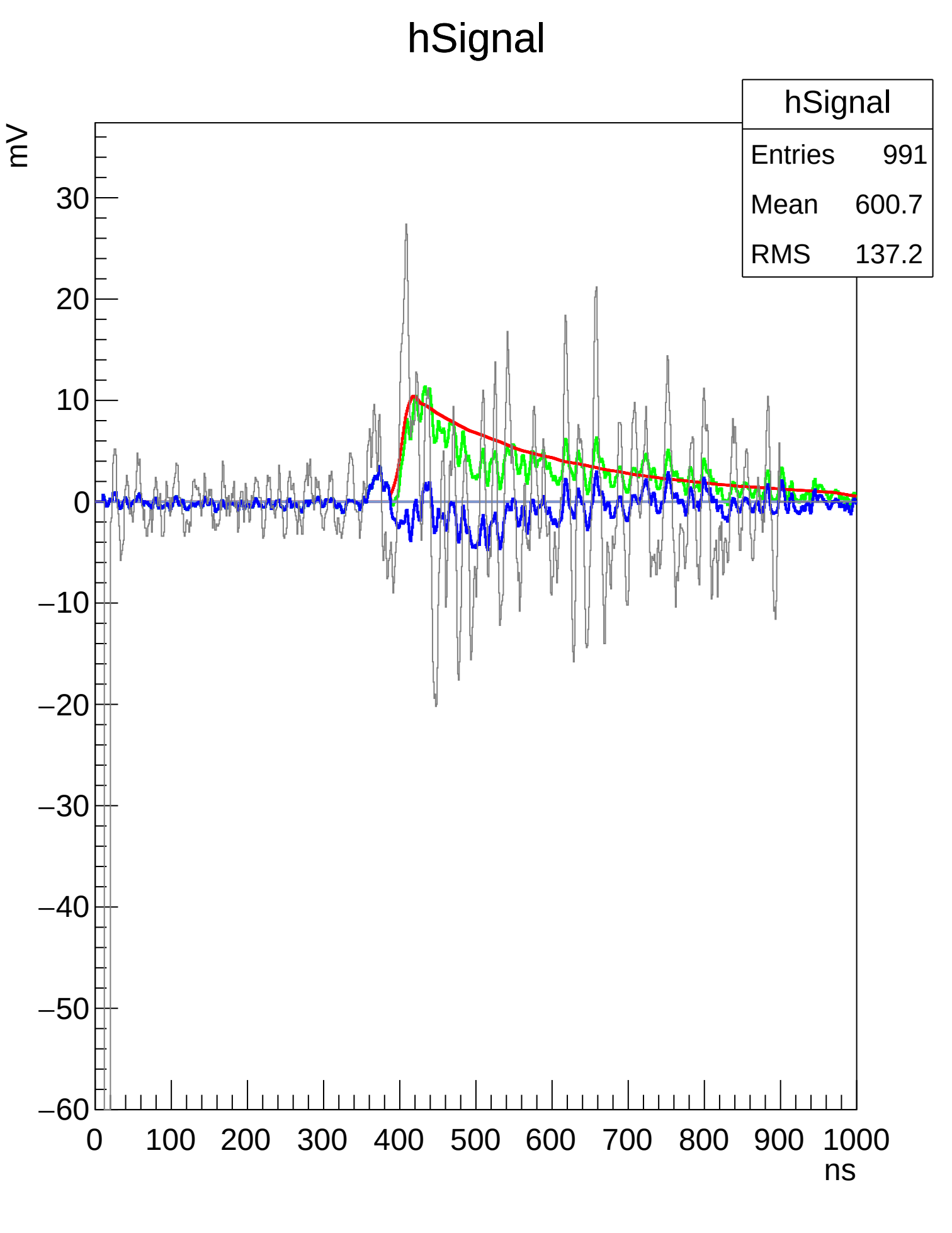
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 137.2
mV
30
20
10
0
−10
−20
−30
−40
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200
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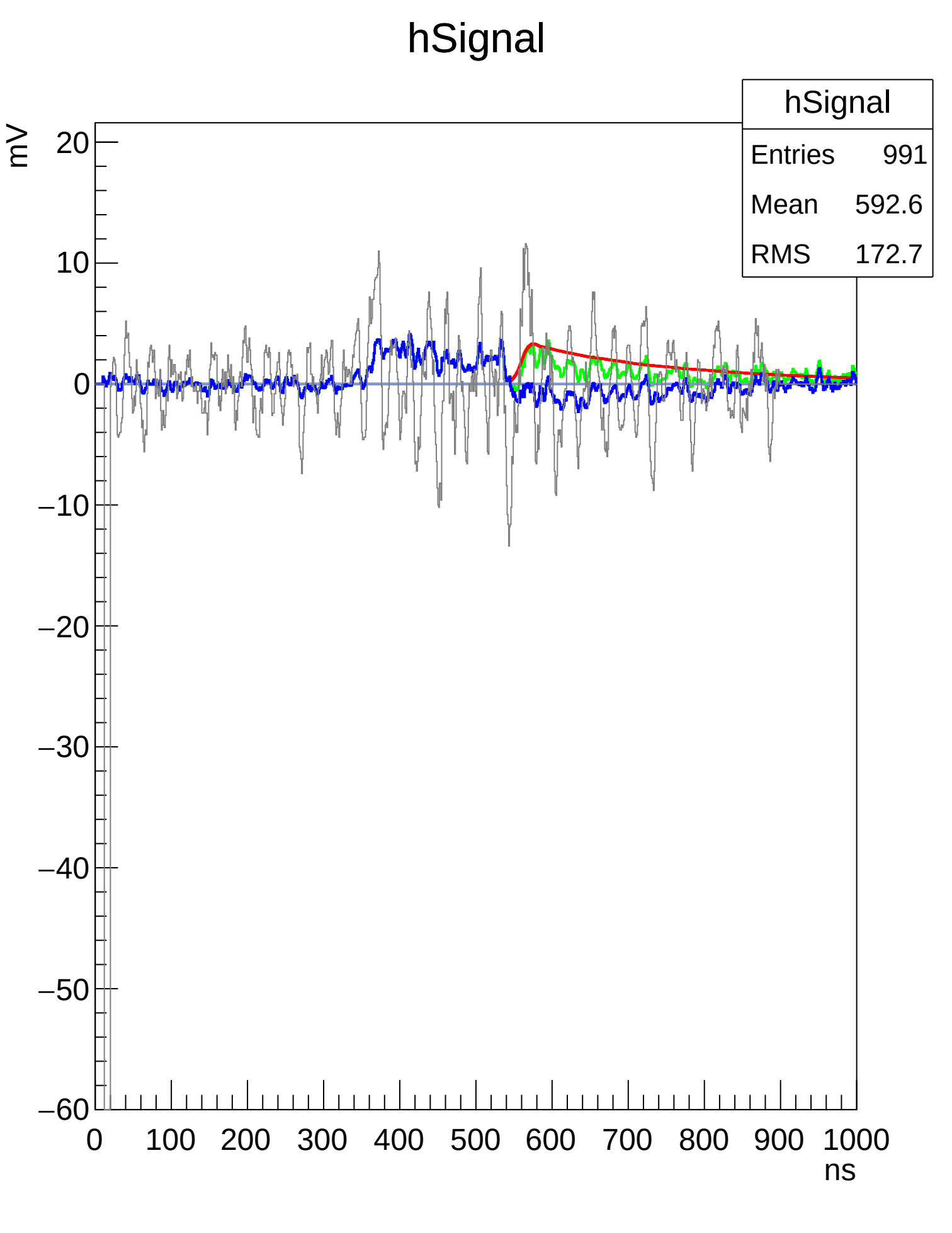
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.6
RMS 172.7
mV
20
10
0
−10
−20
−30
−40
−50
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200
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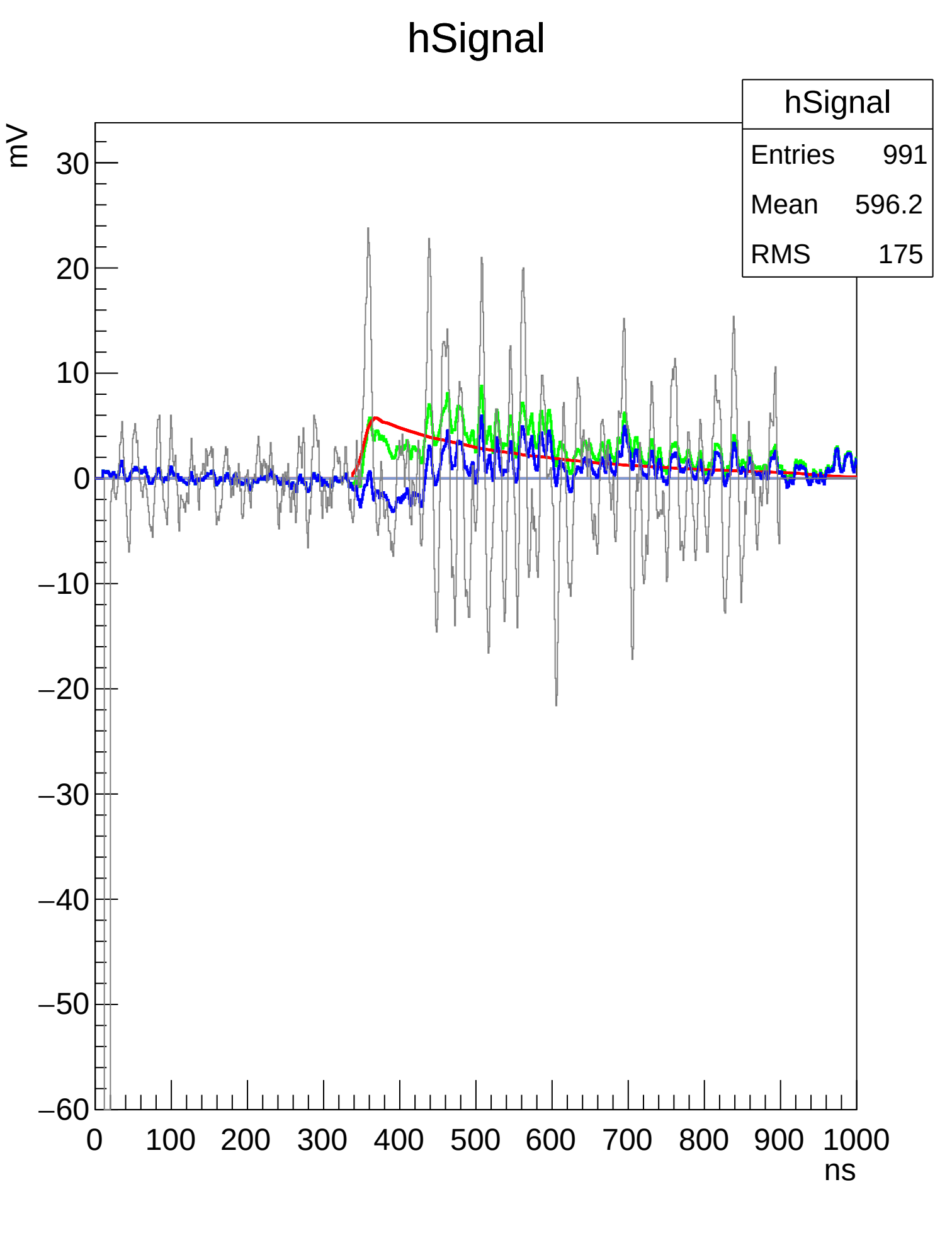
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.2
RMS 175
mV
30
20
10
0
−10
−20
−30
−40
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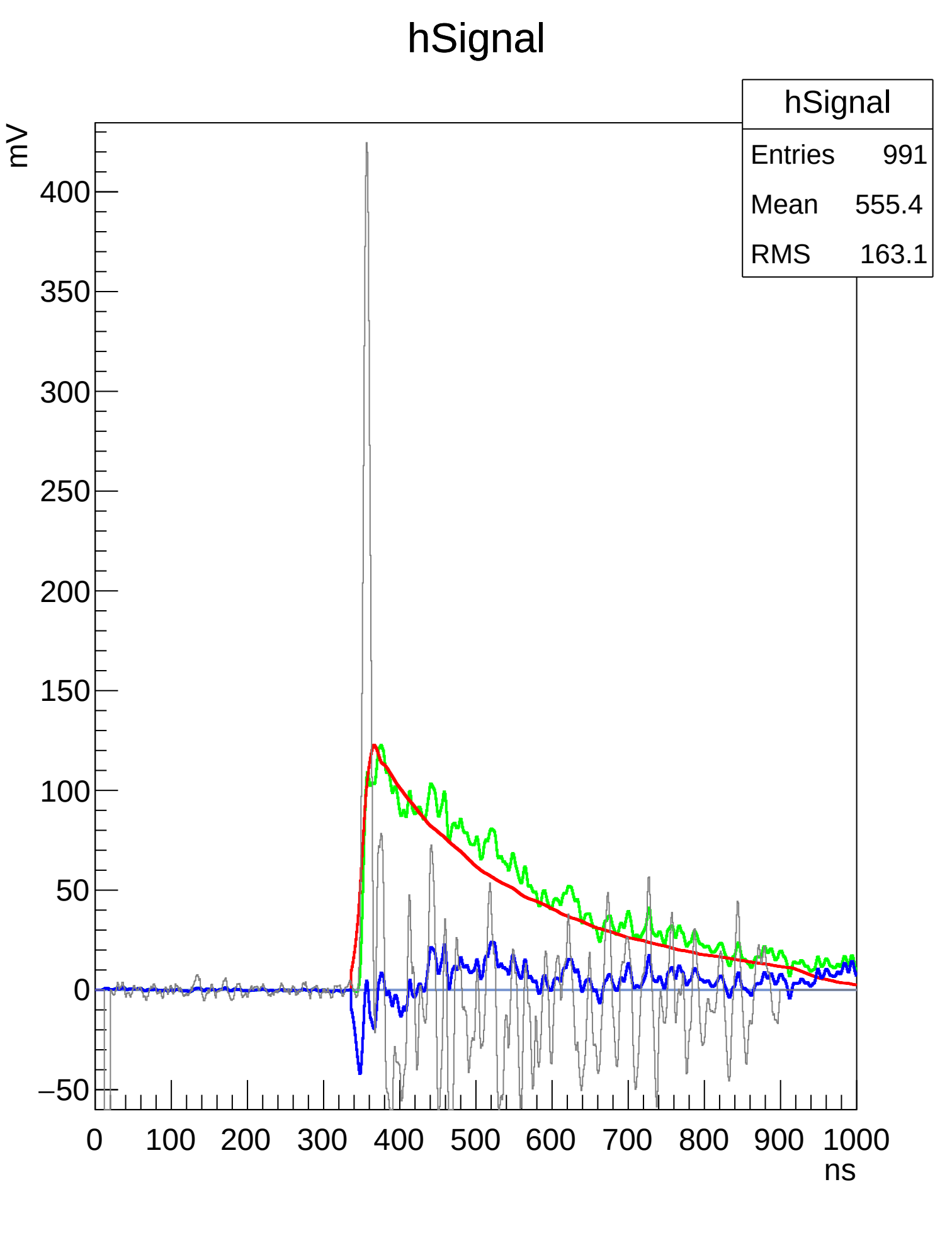
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.4
RMS 163.1
mV
400
350
300
250
200
150
100
50
0
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100
200
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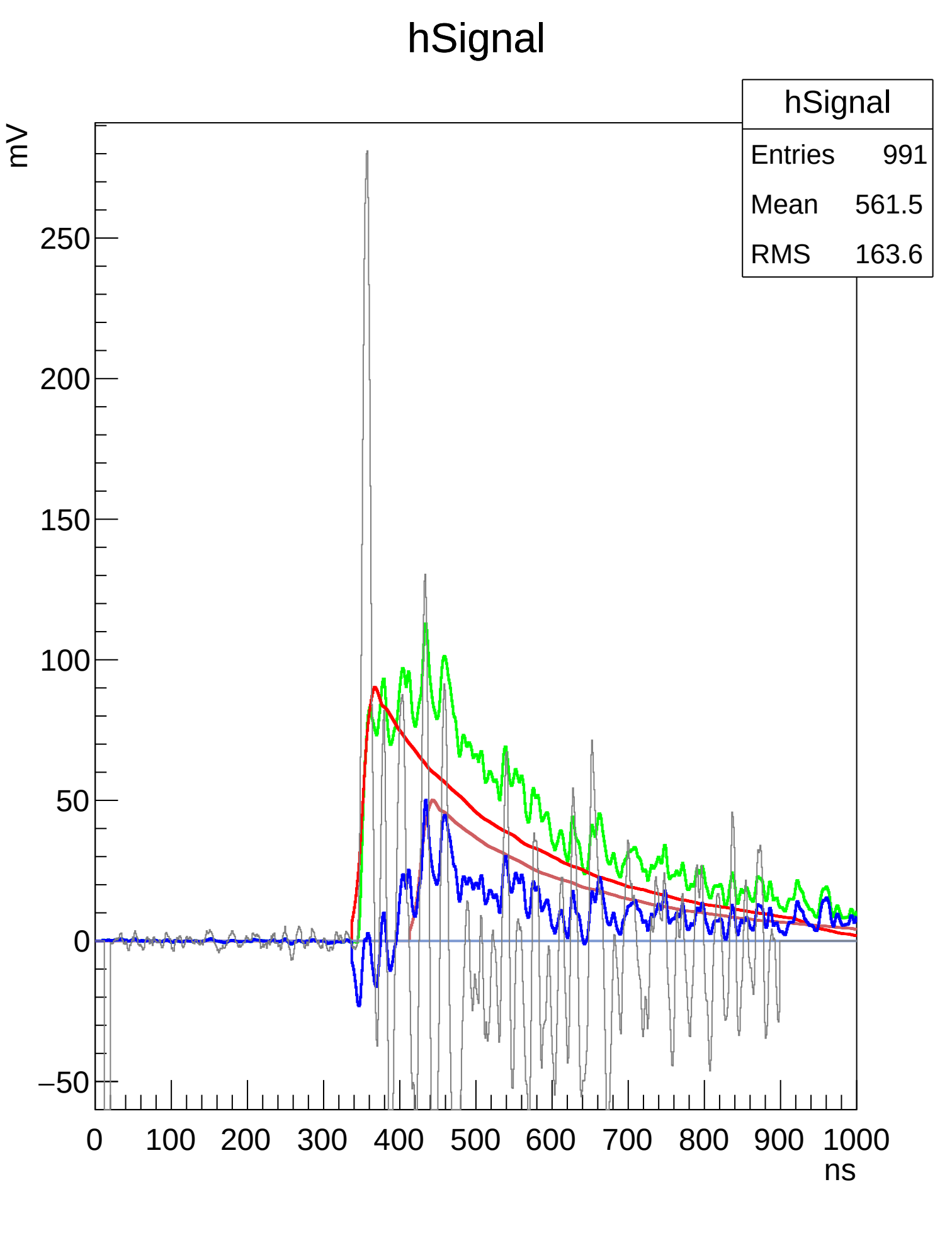
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.5
RMS 163.6
mV
250
200
150
100
50
0
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0
100
200
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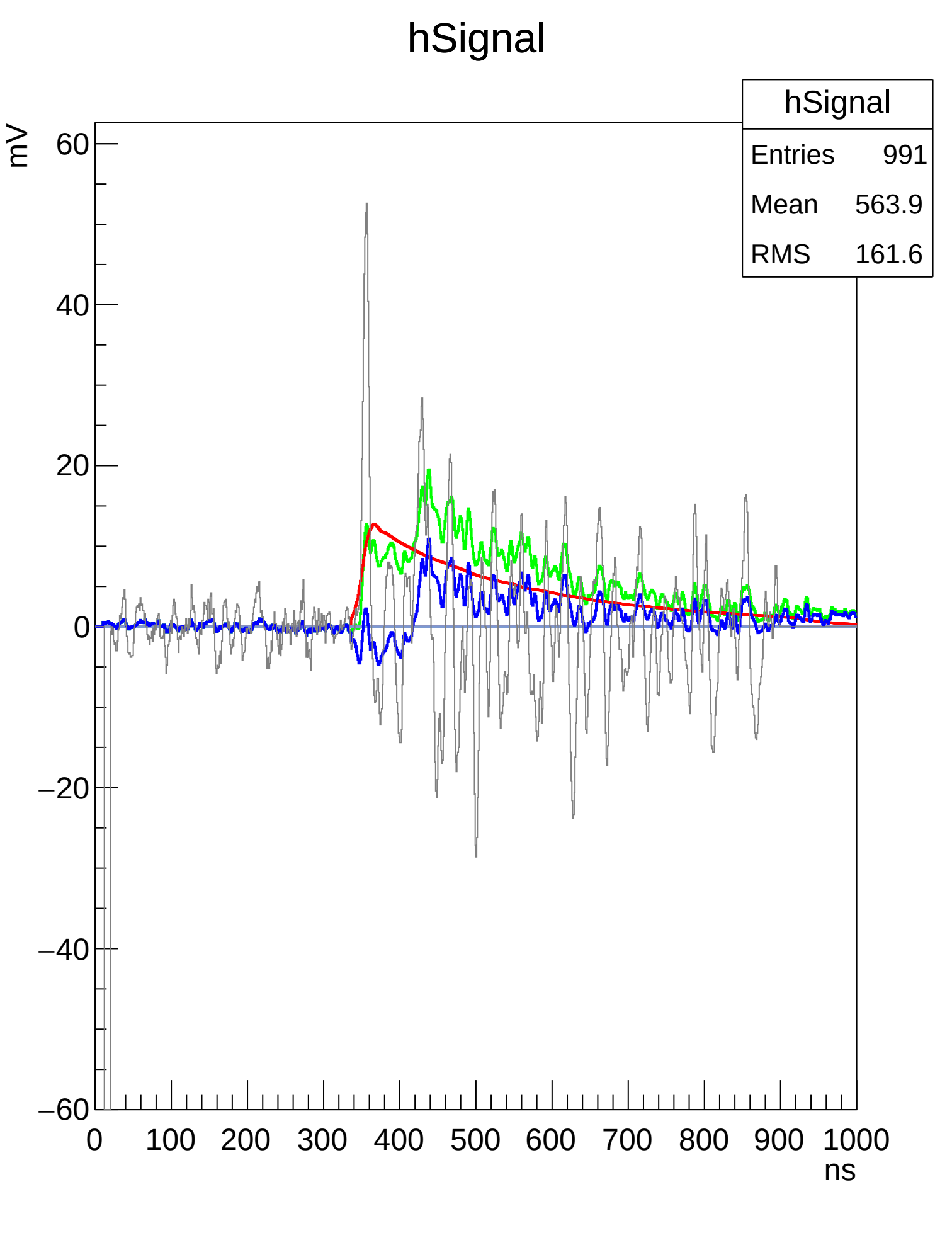
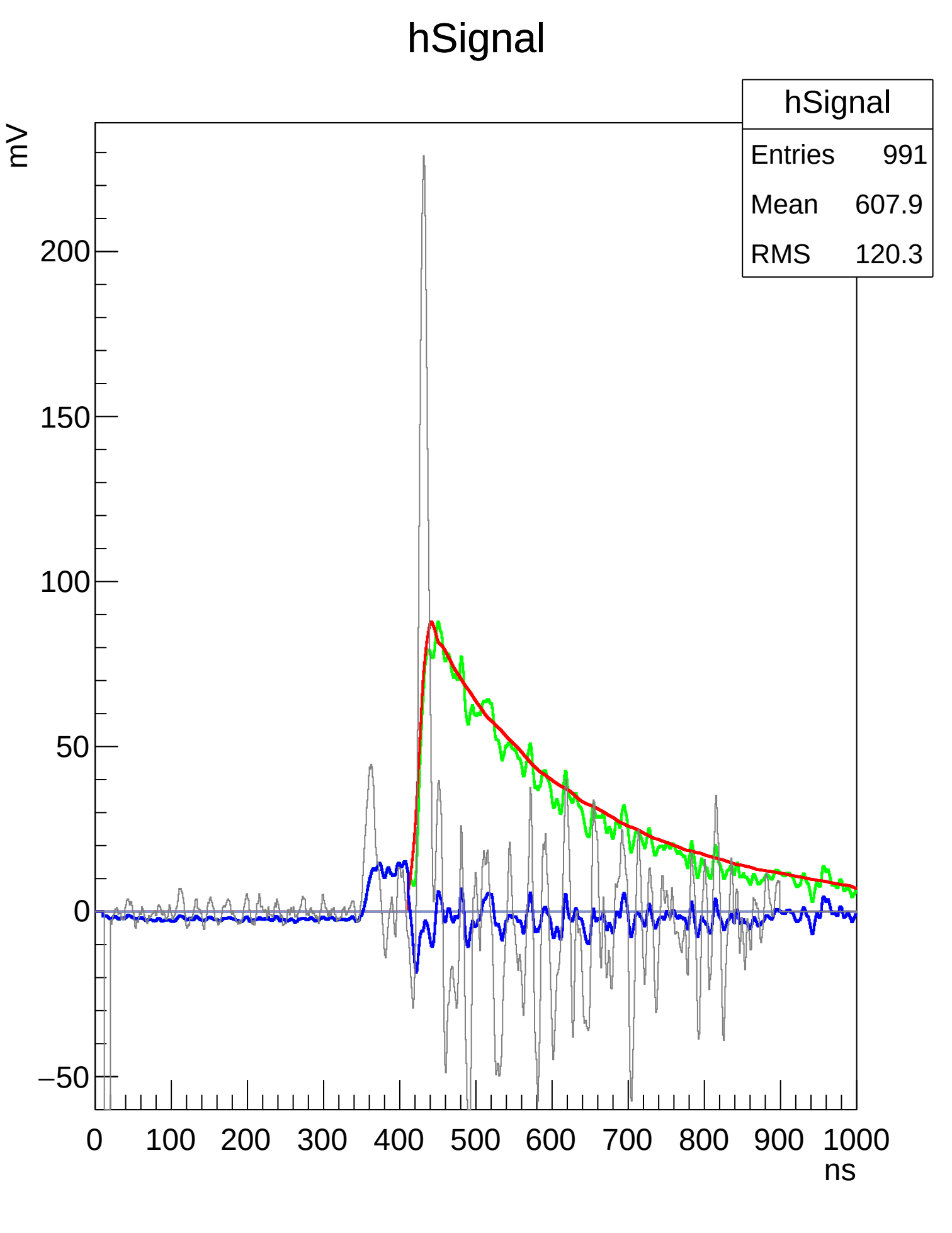
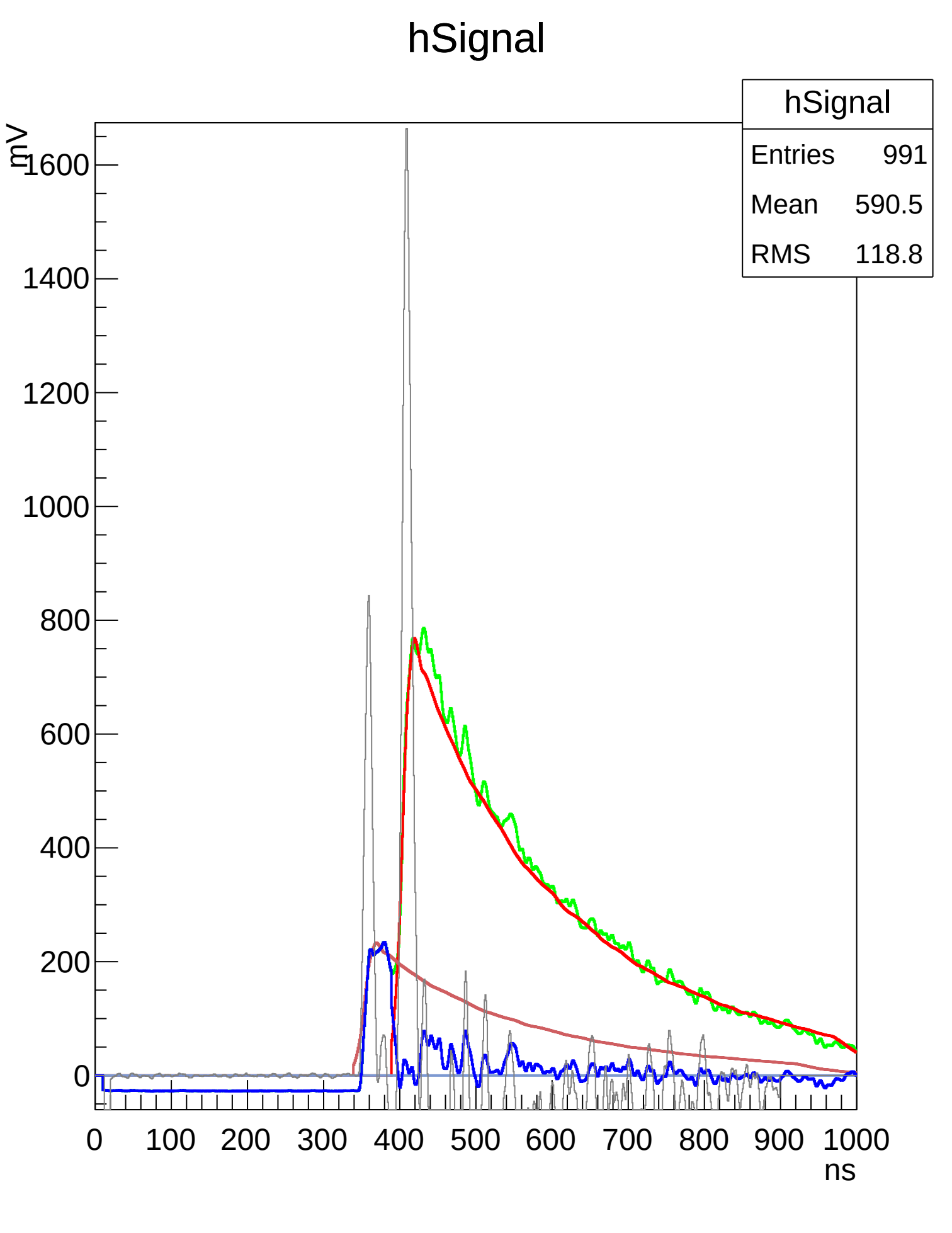
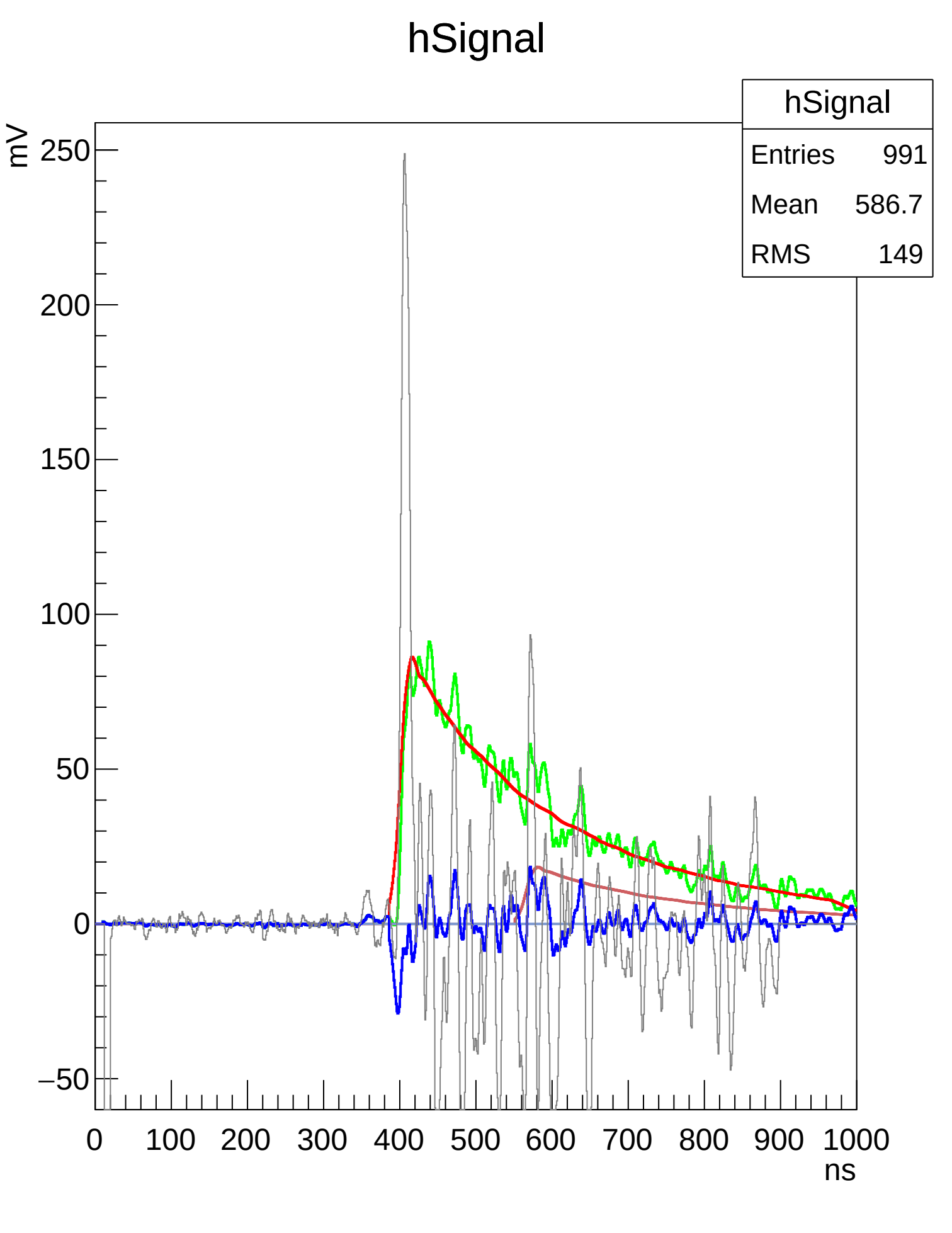
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.9
RMS 161.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.9
RMS 120.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 118.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.7
RMS 149
mV
250
200
150
100
50
0
−50
0
100
200
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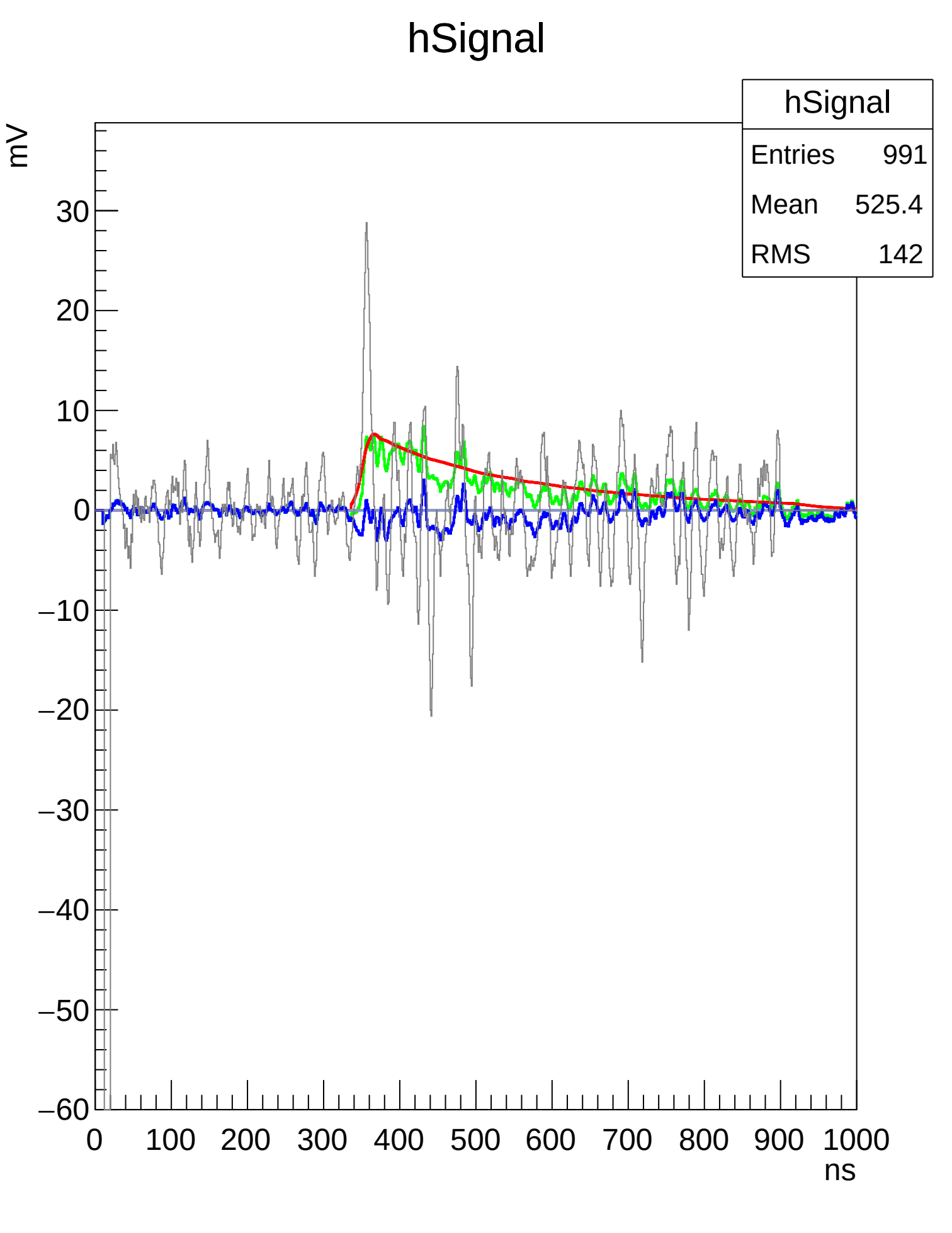
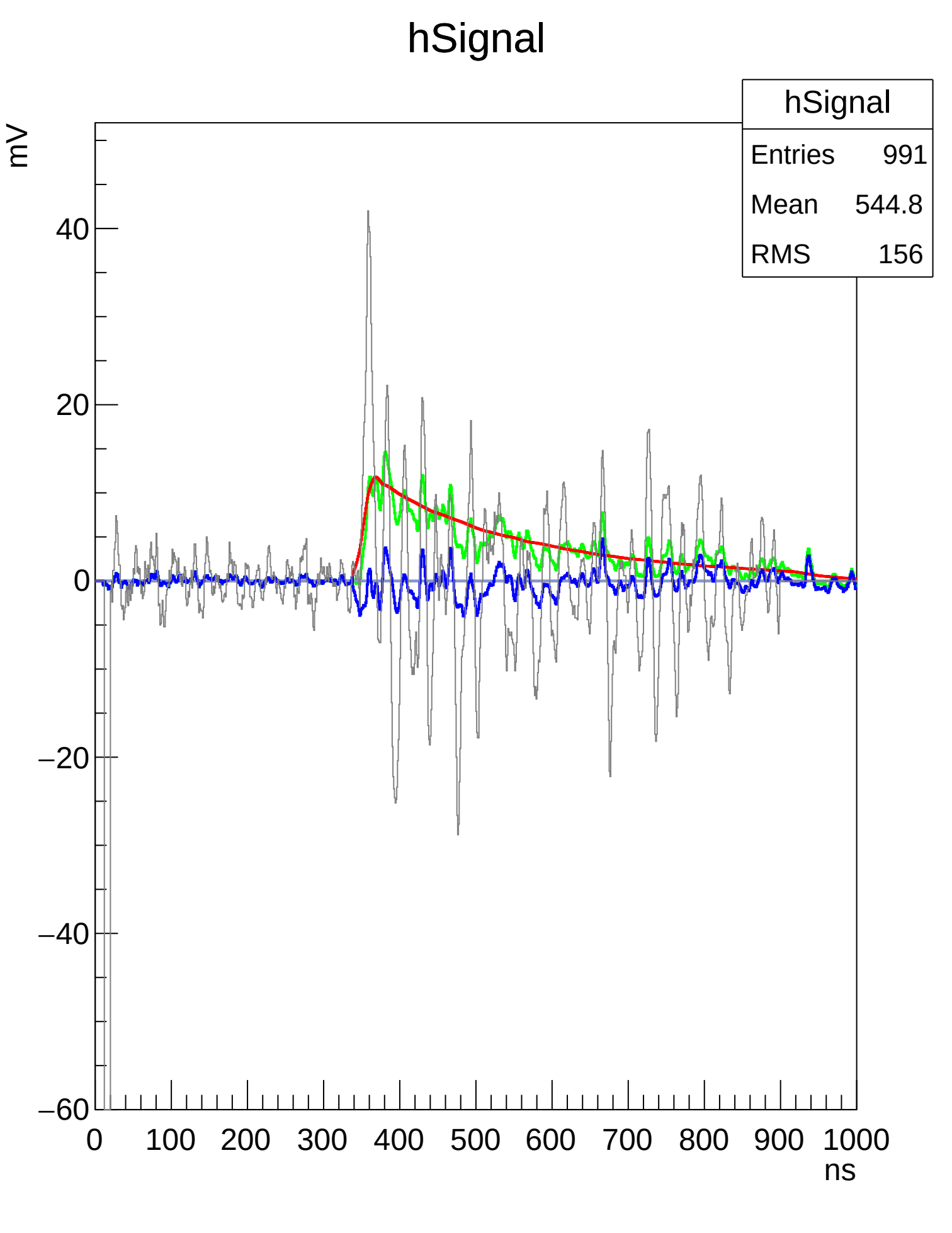
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.4
RMS 142
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.8
RMS 156
mV
40
20
0
−20
−40
−60
0
100
200
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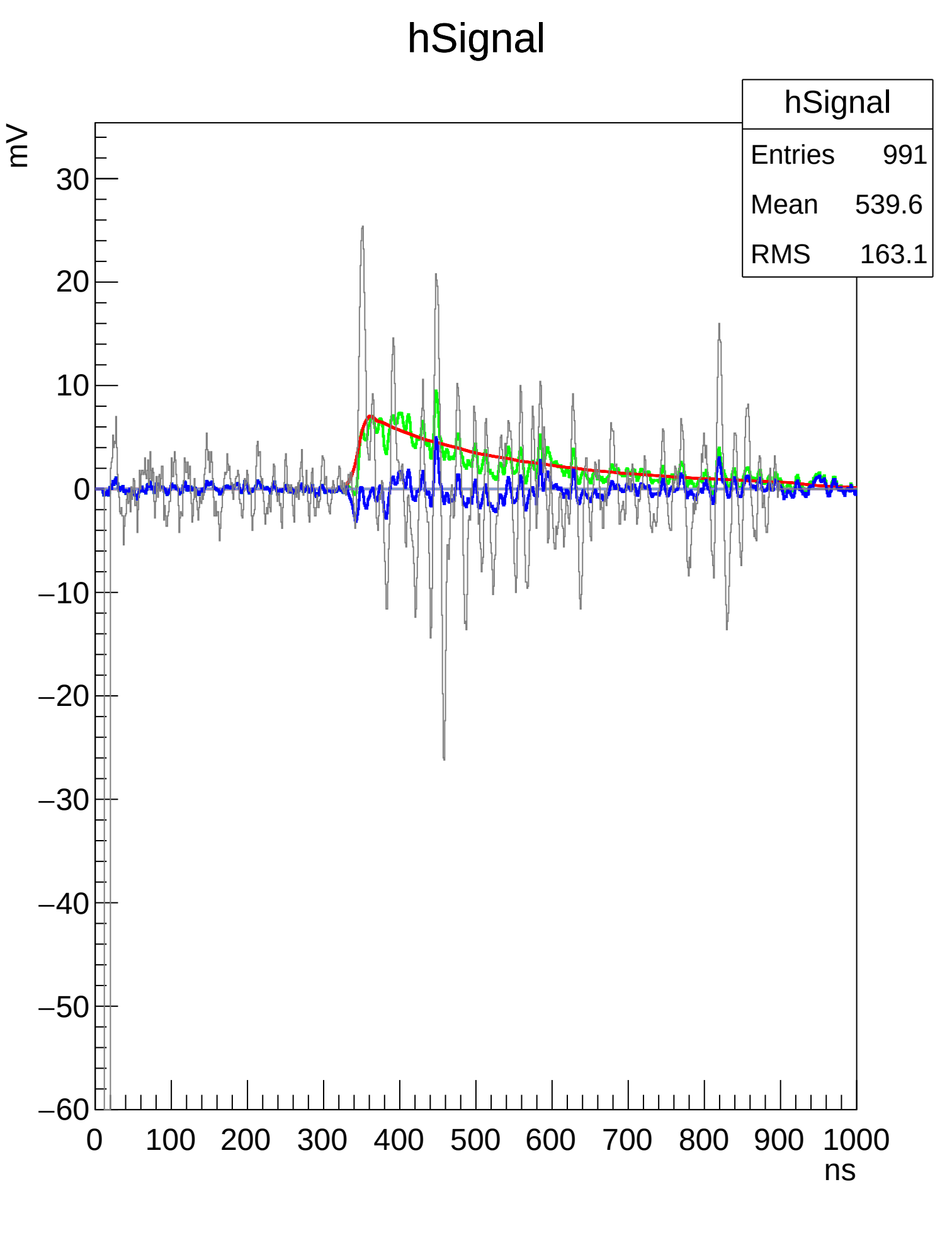
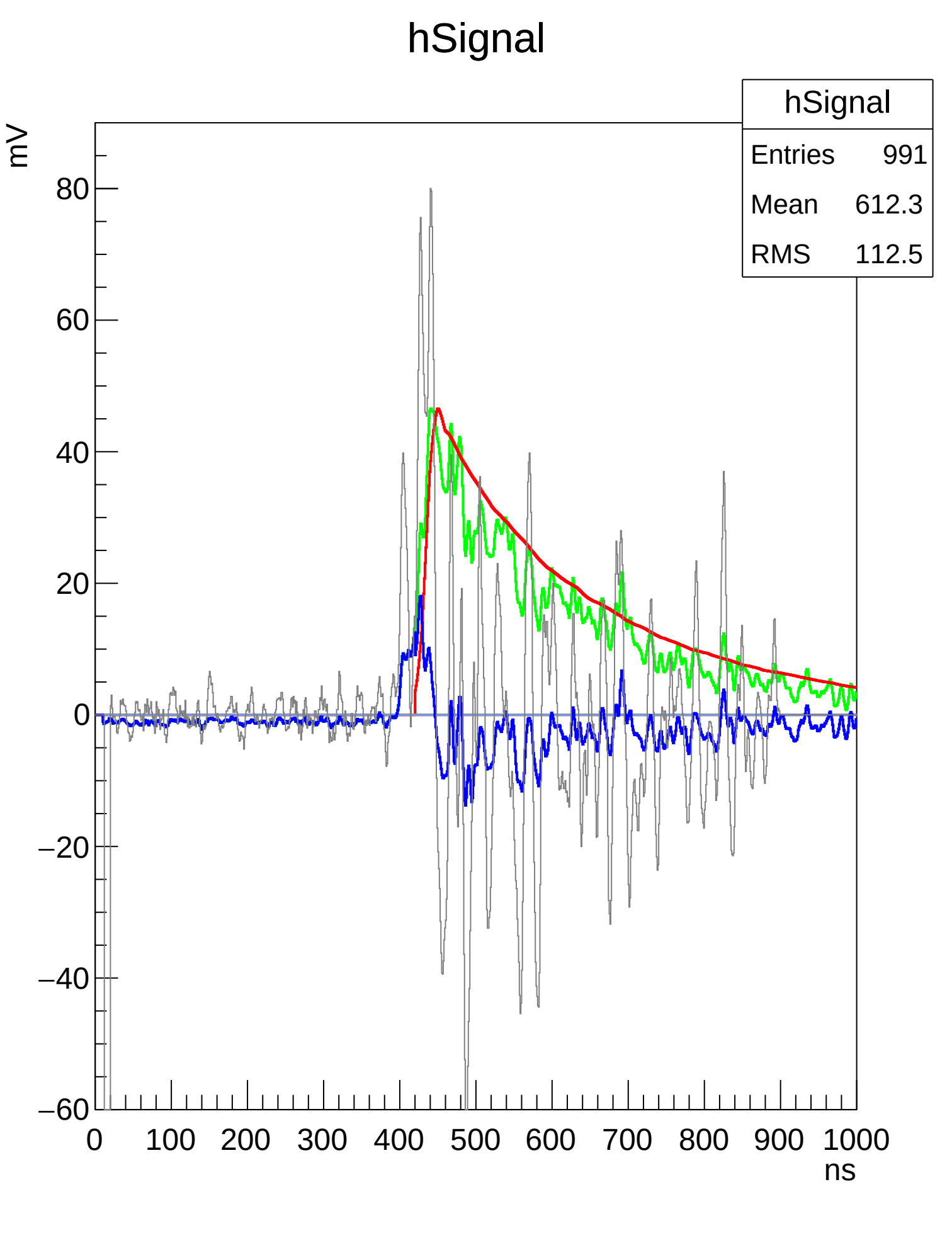
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.6
RMS 163.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.3
RMS 112.5
mV
80
60
40
20
0
−20
−40
−60
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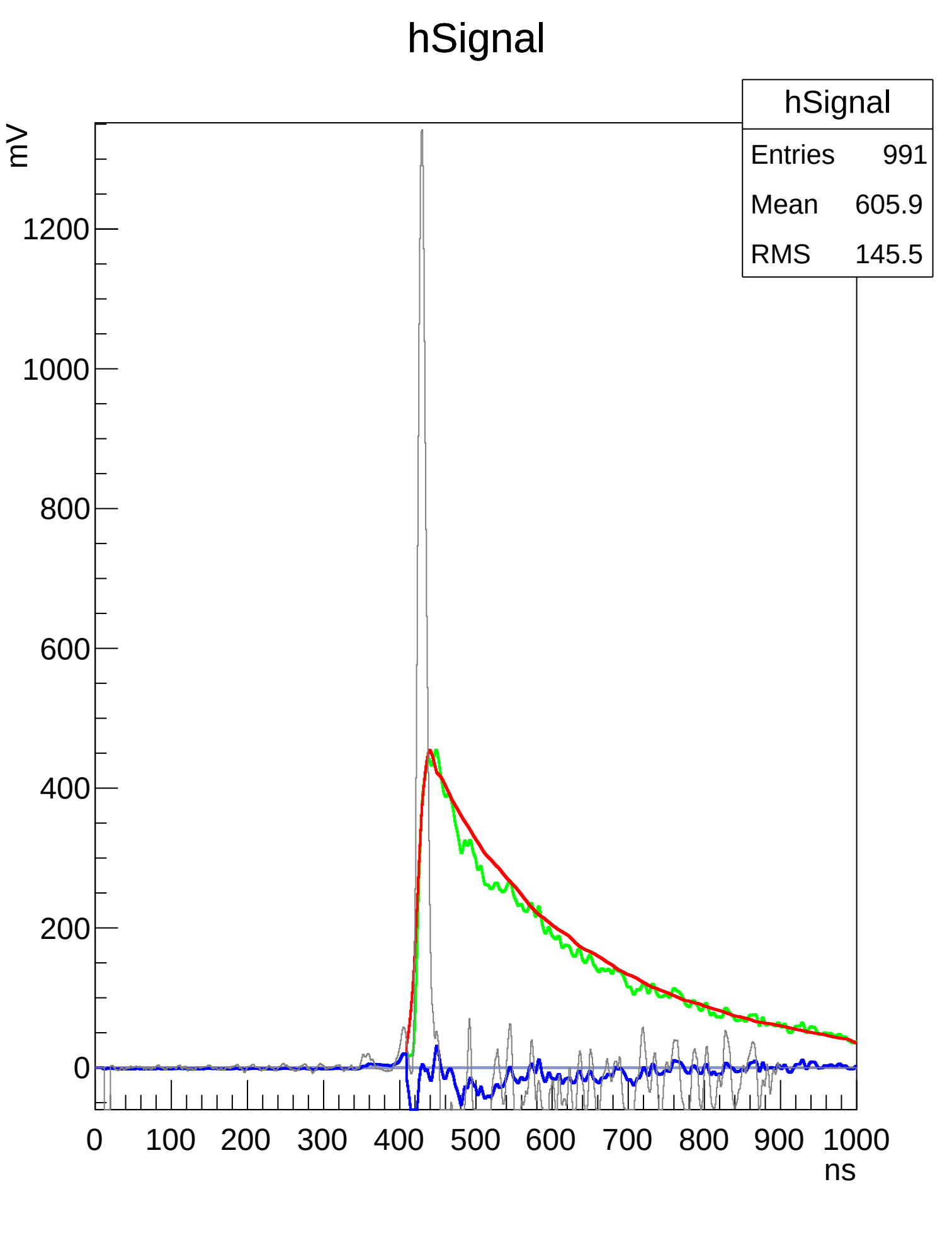
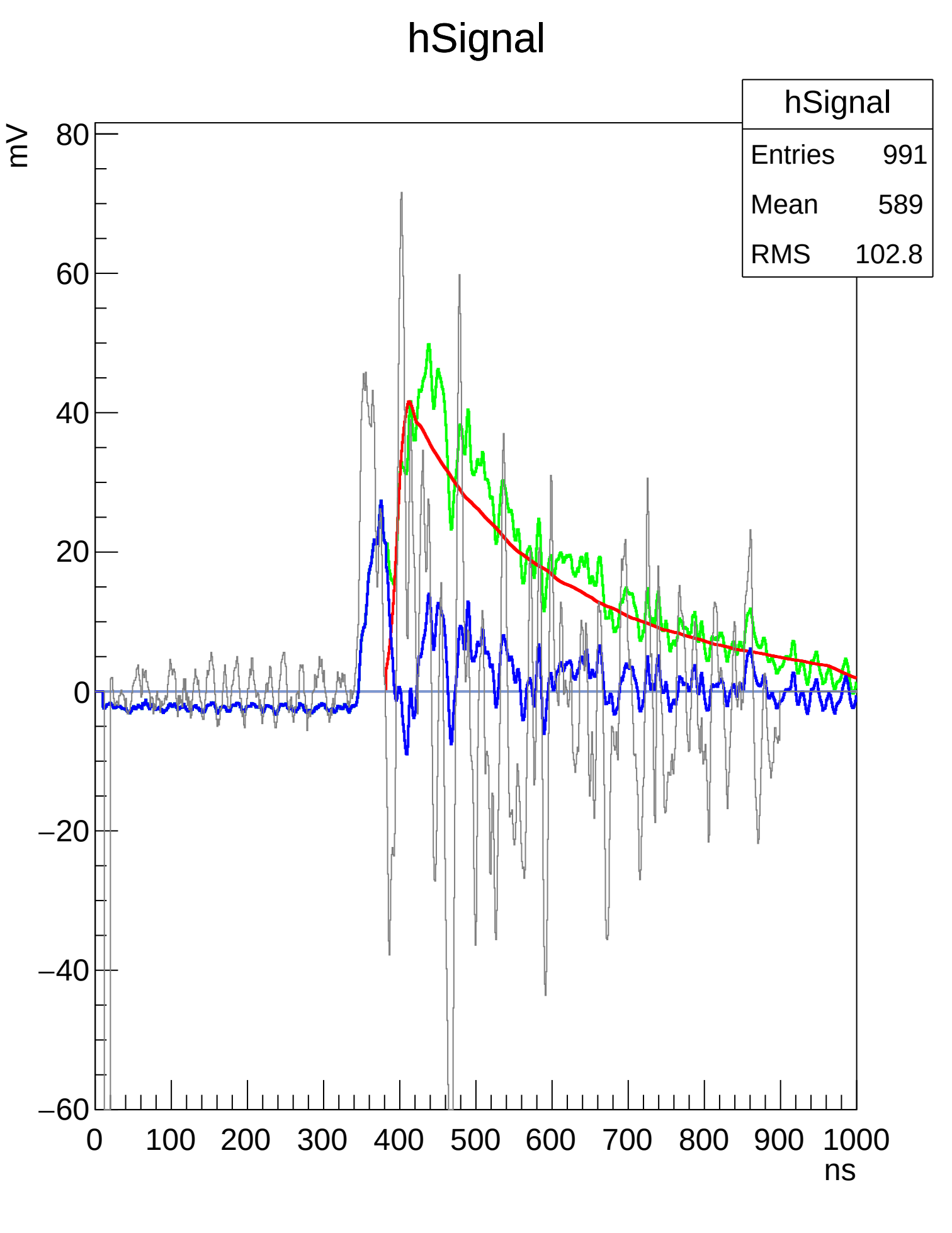
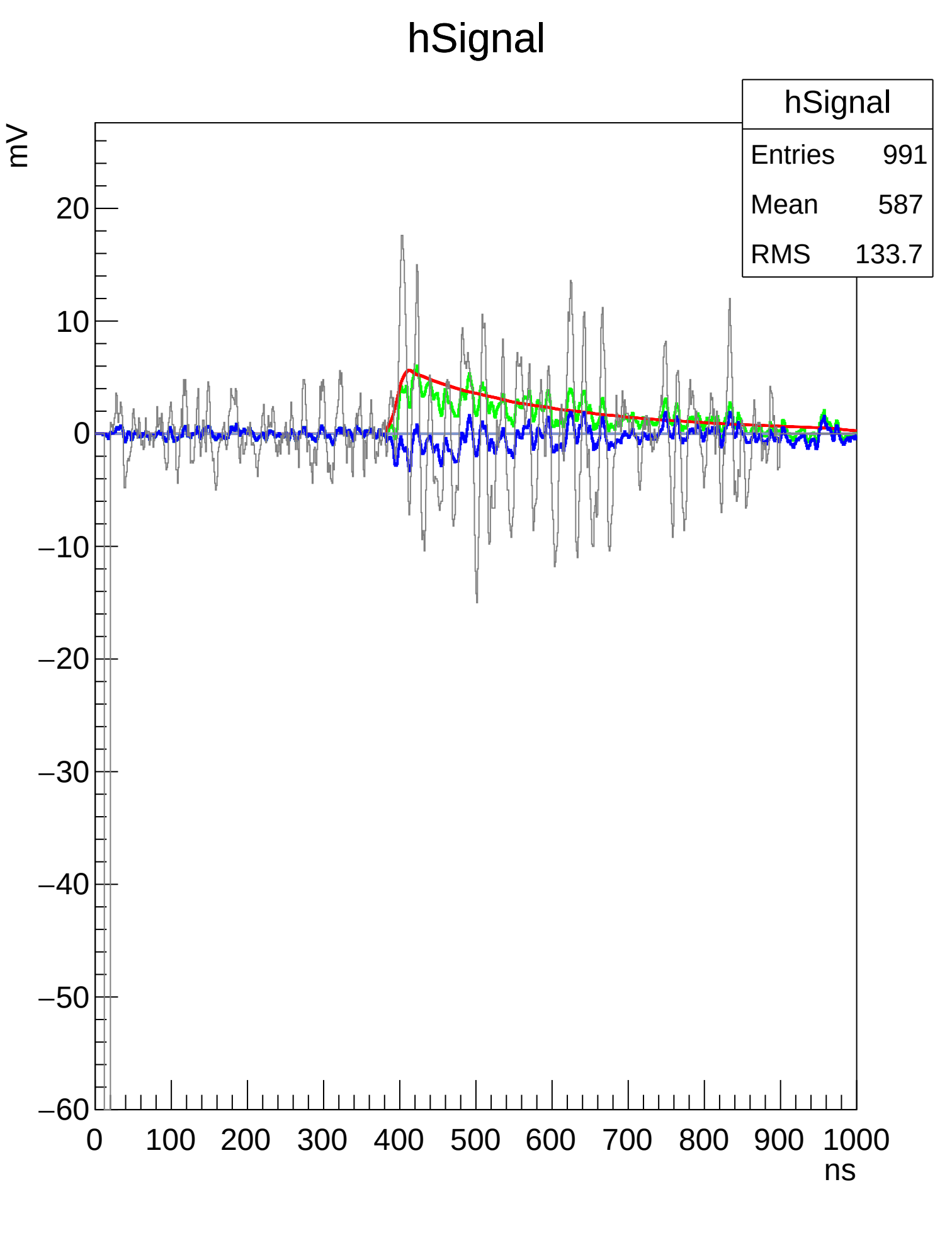
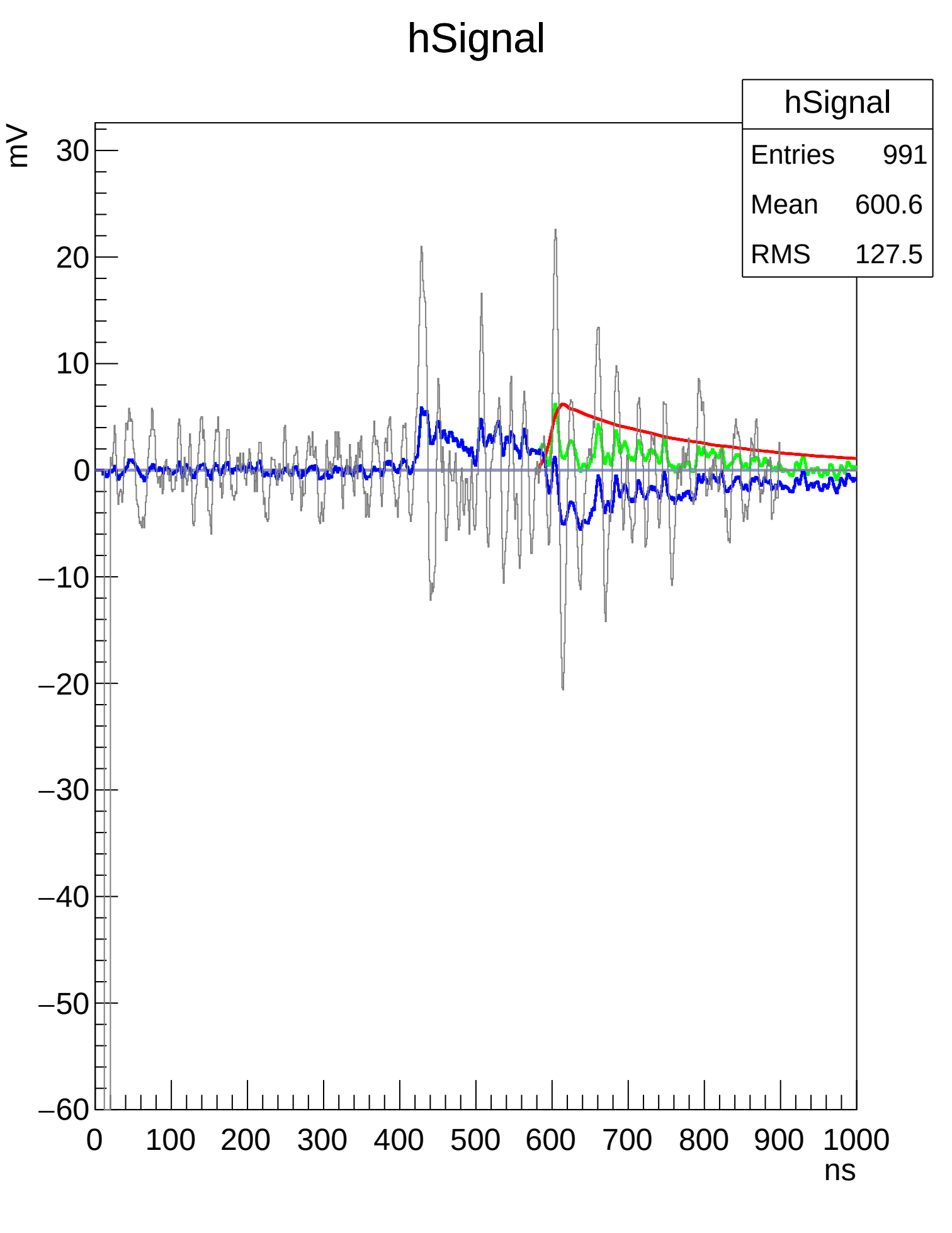
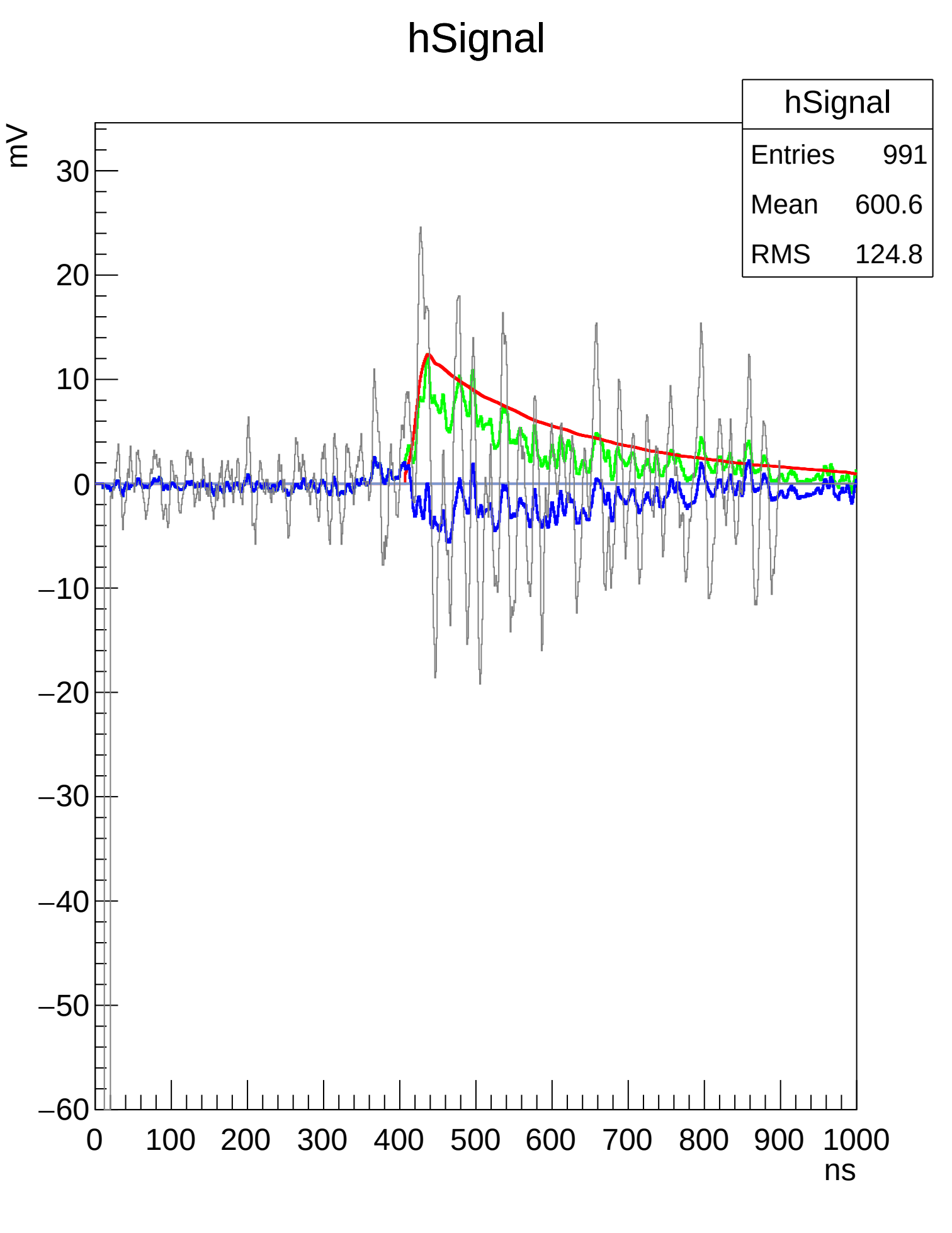
600
700
800
900
1000
ns

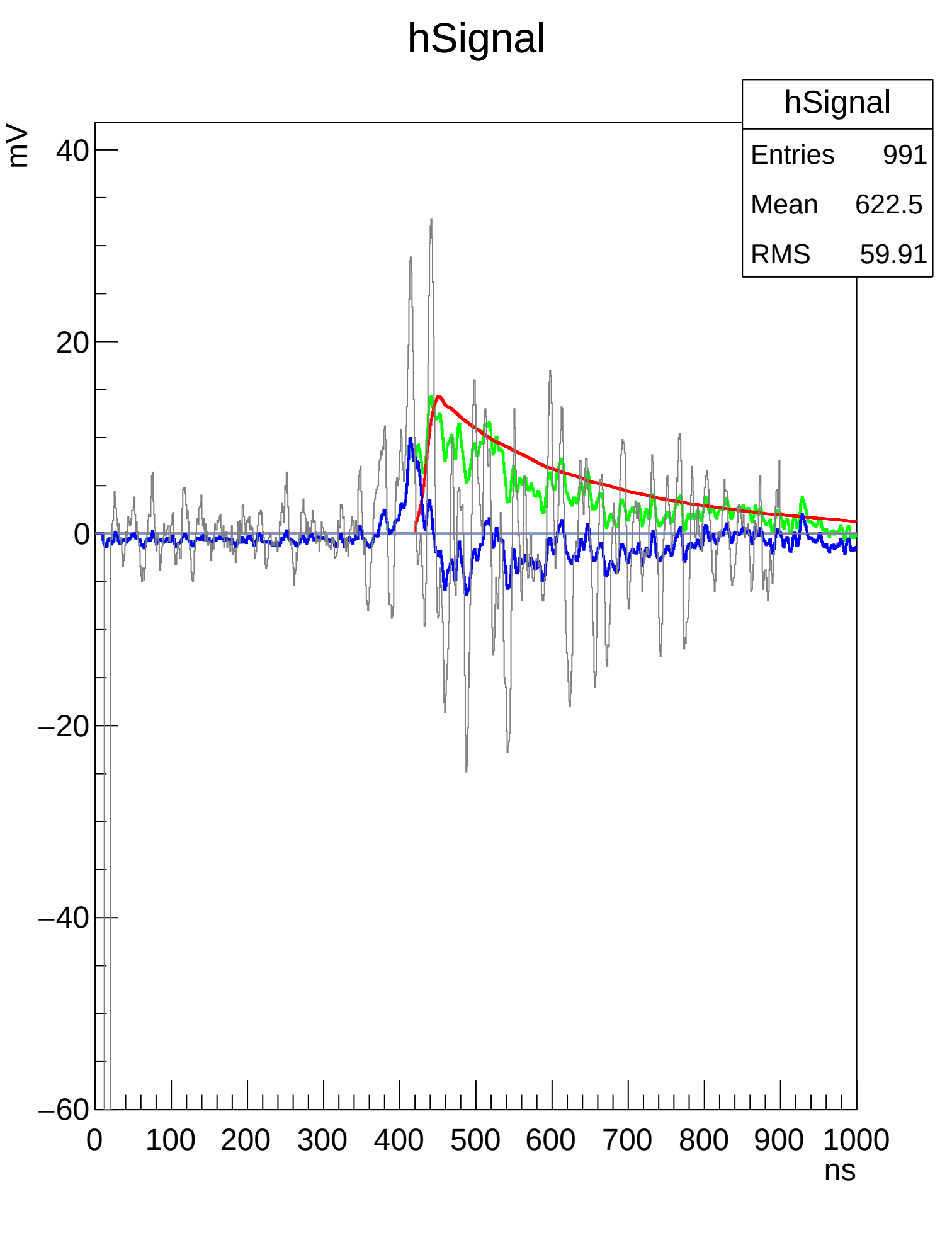

hSignal
hSignal
Entries 991
Mean 605.9
RMS 145.5
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589
RMS 102.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587
RMS 133.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.6
RMS 127.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.6
RMS 124.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.5
RMS 59.91
mV
40
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0
−20
−40
−60
0
100
200
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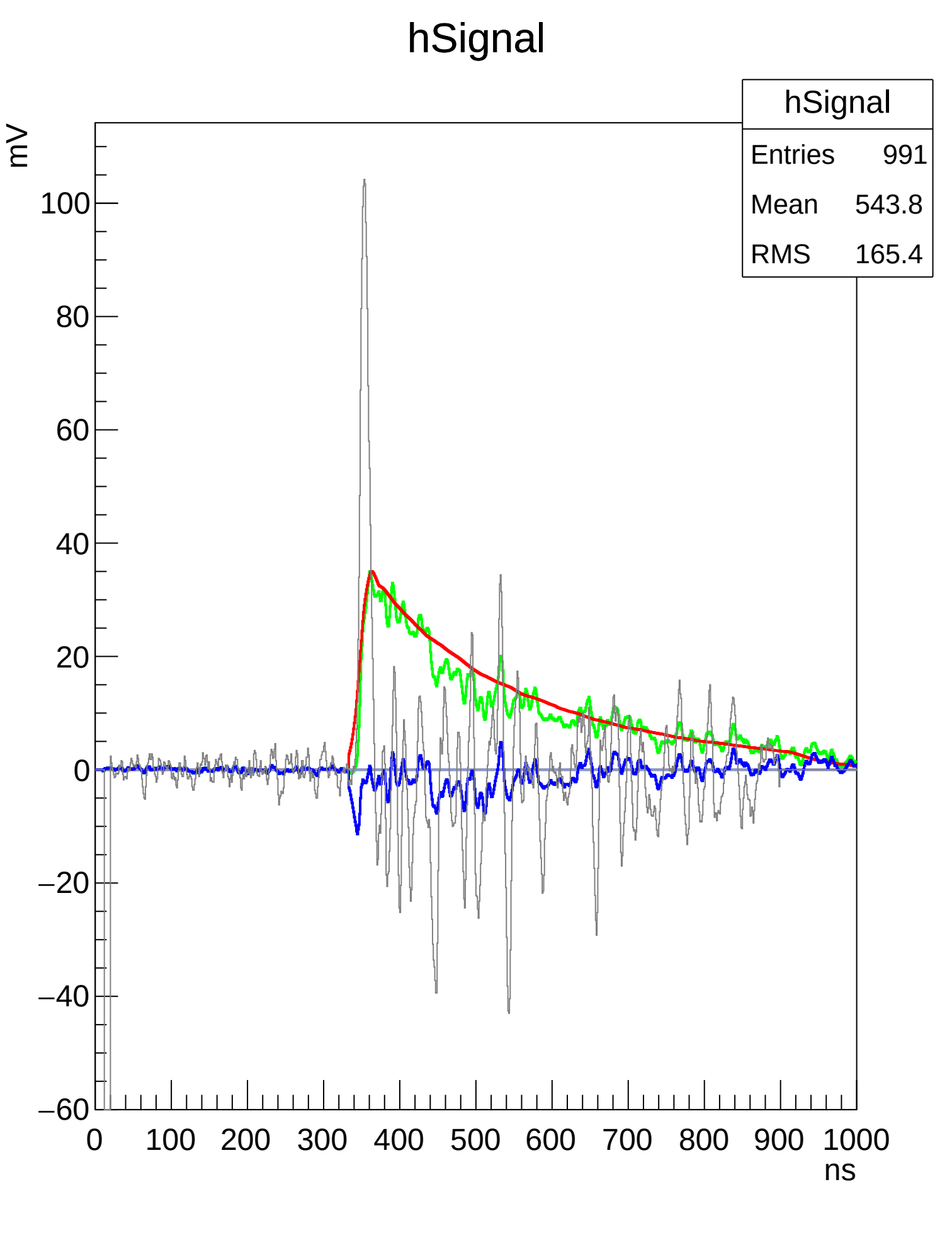
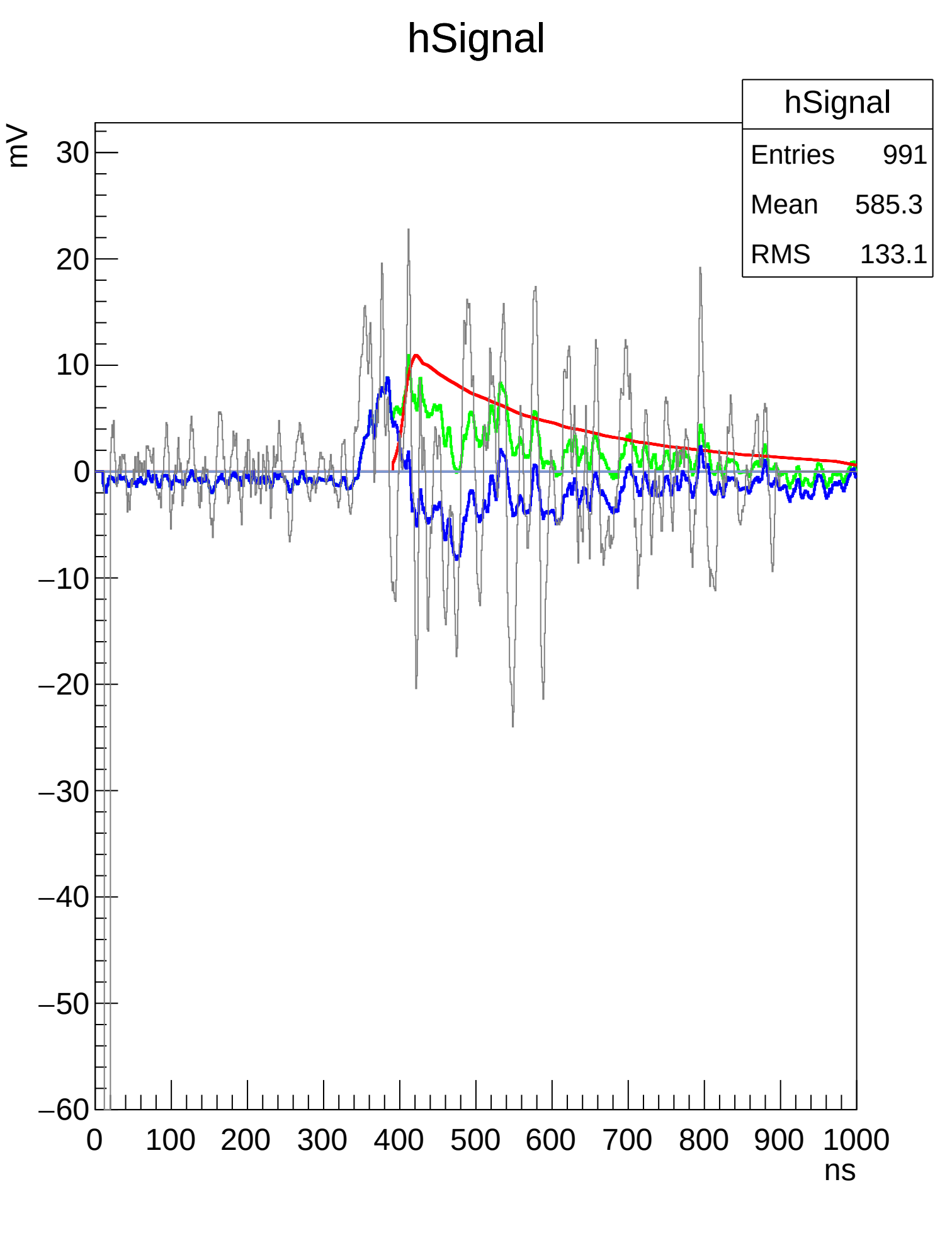
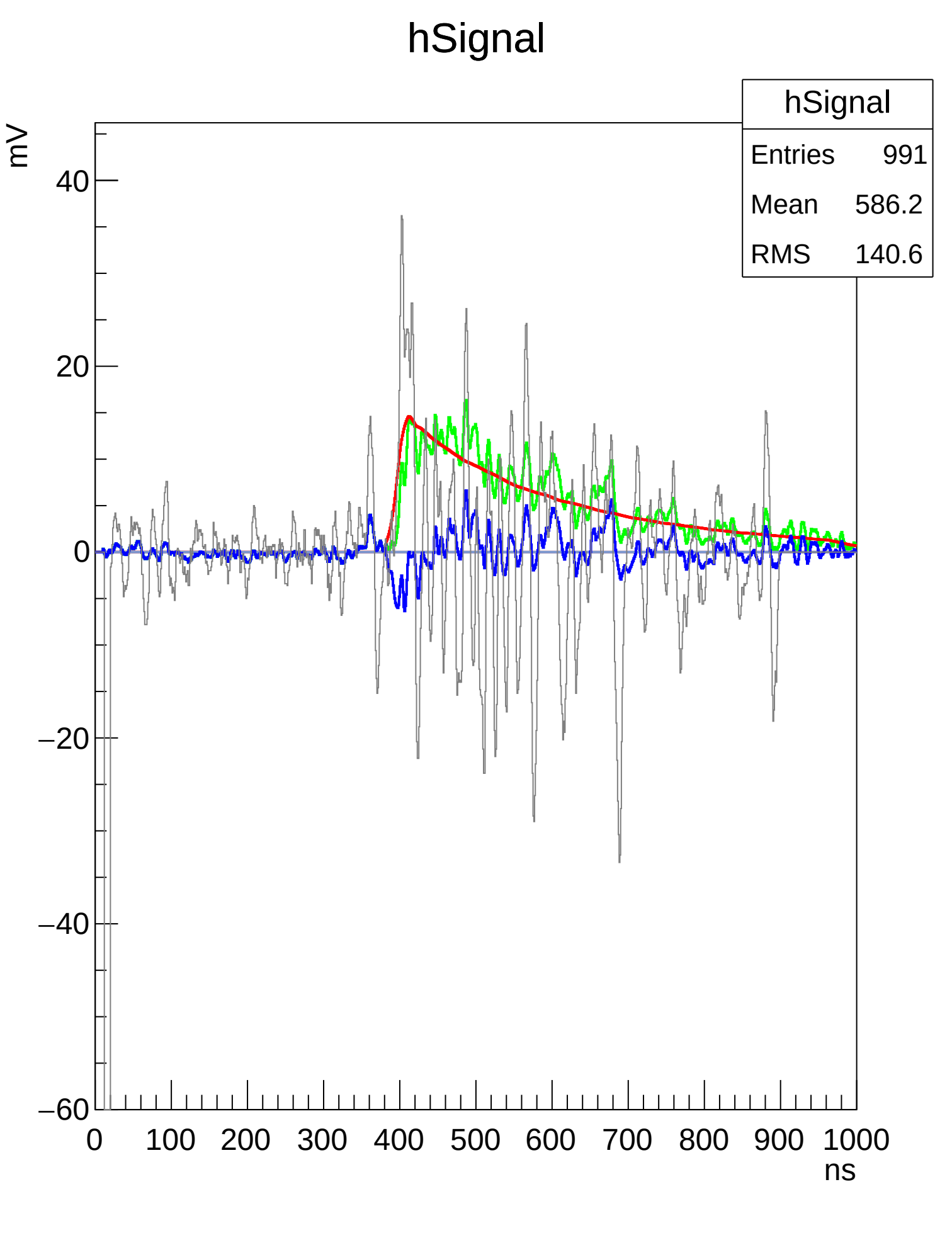
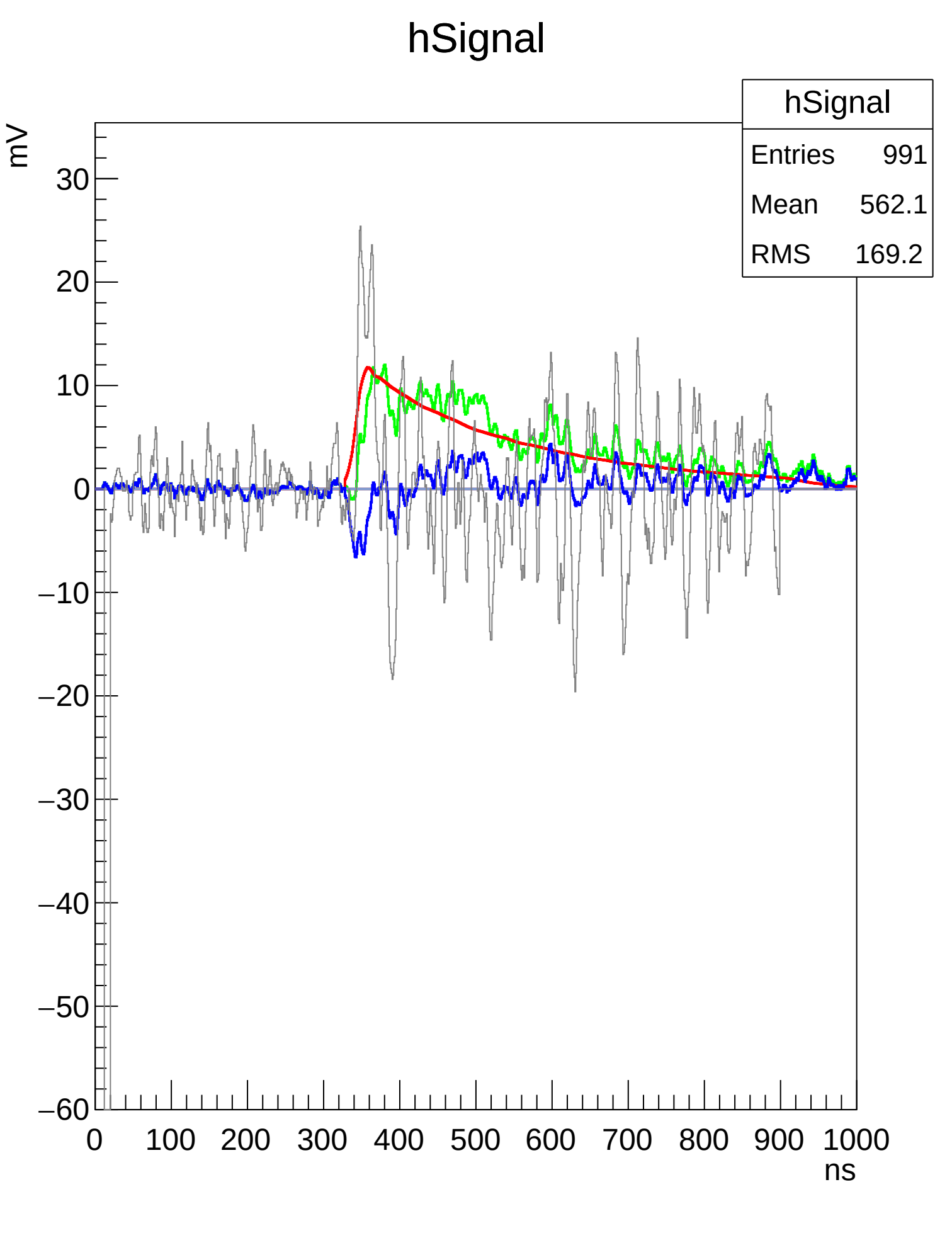
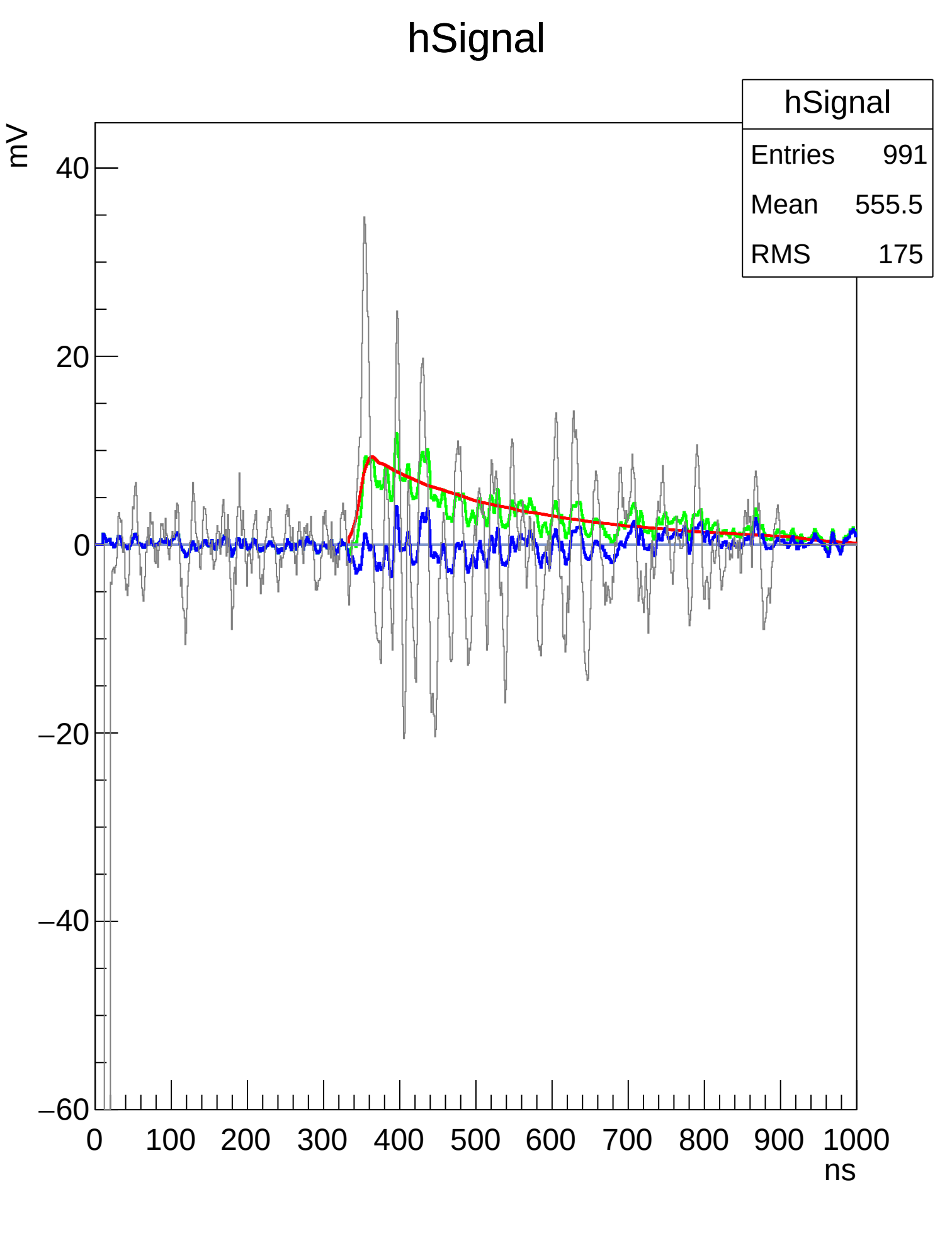
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.8
RMS 165.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 133.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.2
RMS 140.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.1
RMS 169.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.5
RMS 175
mV
40
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0
−20
−40
−60
0
100
200
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400
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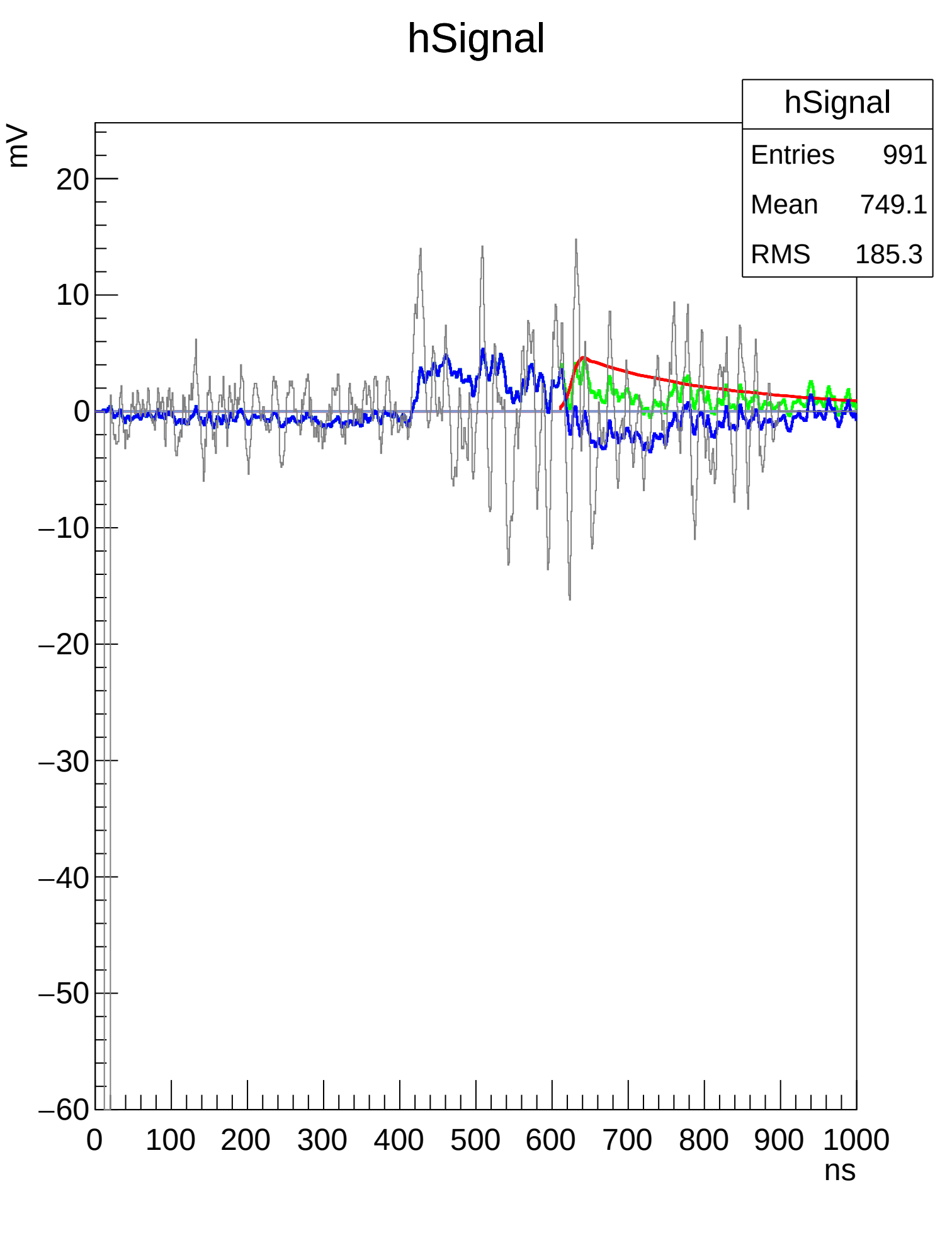
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 749.1
RMS 185.3
mV
20
10
0
−10
−20
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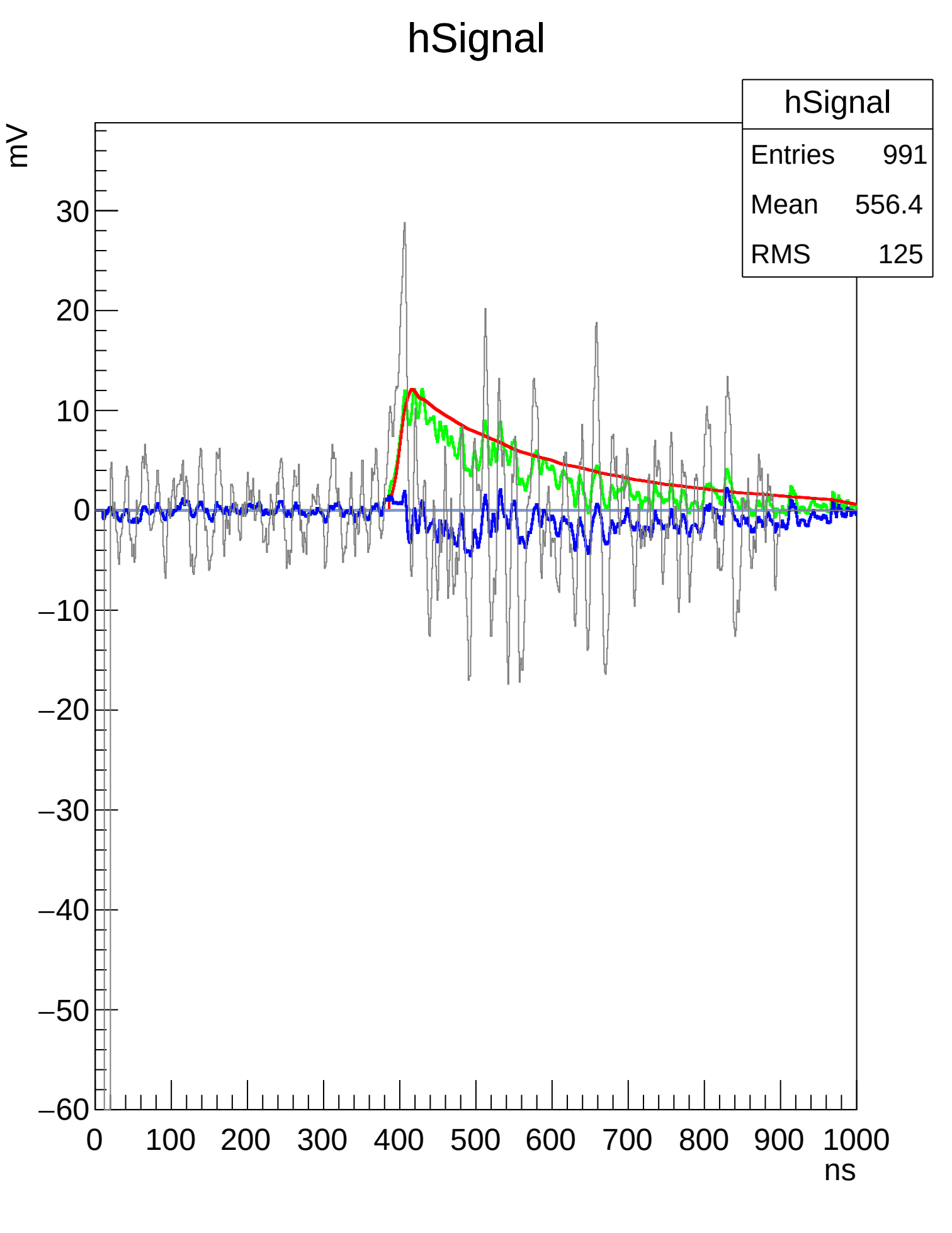
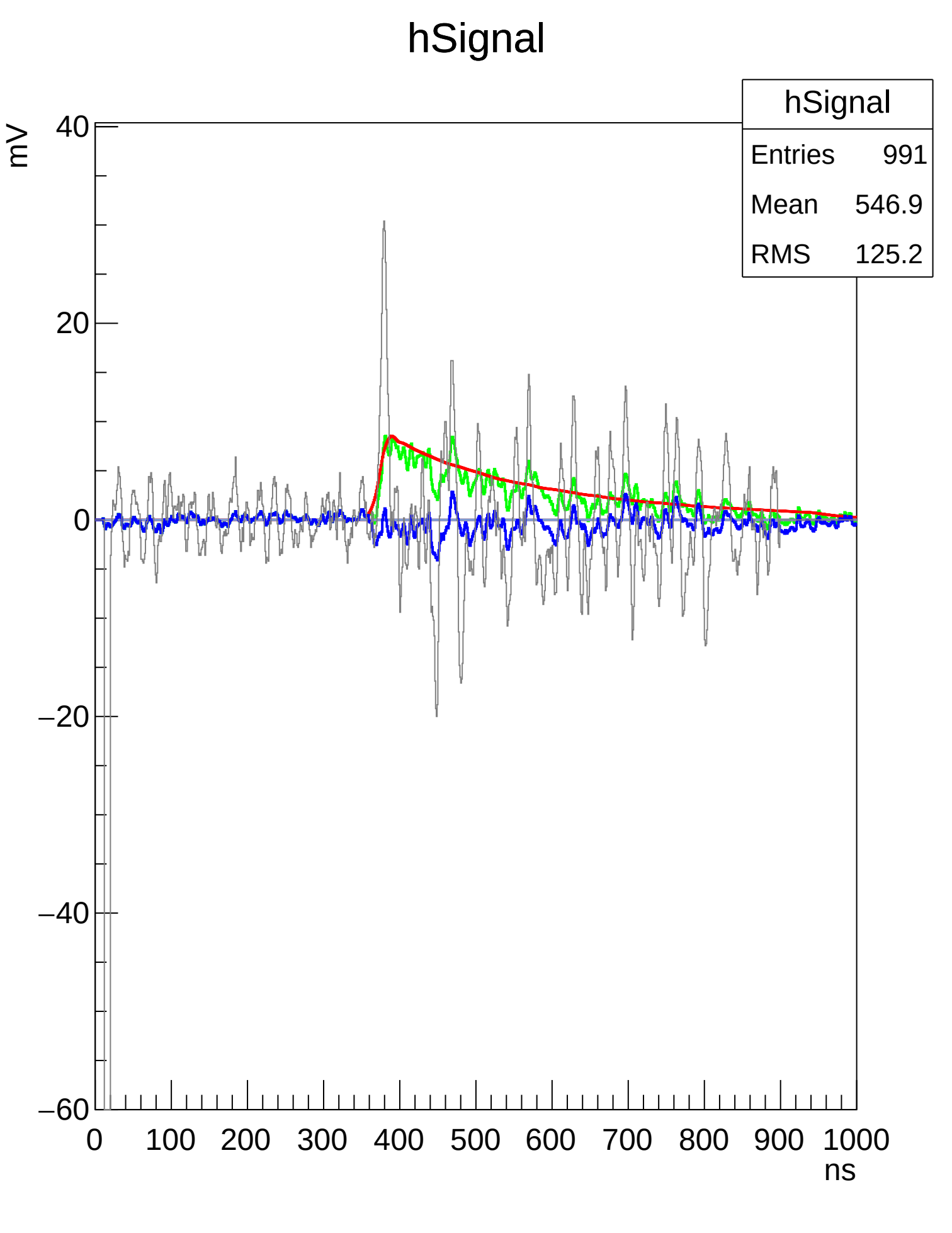
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.4
RMS 125
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 125.2
mV
40
20
0
−20
−40
−60
0
100
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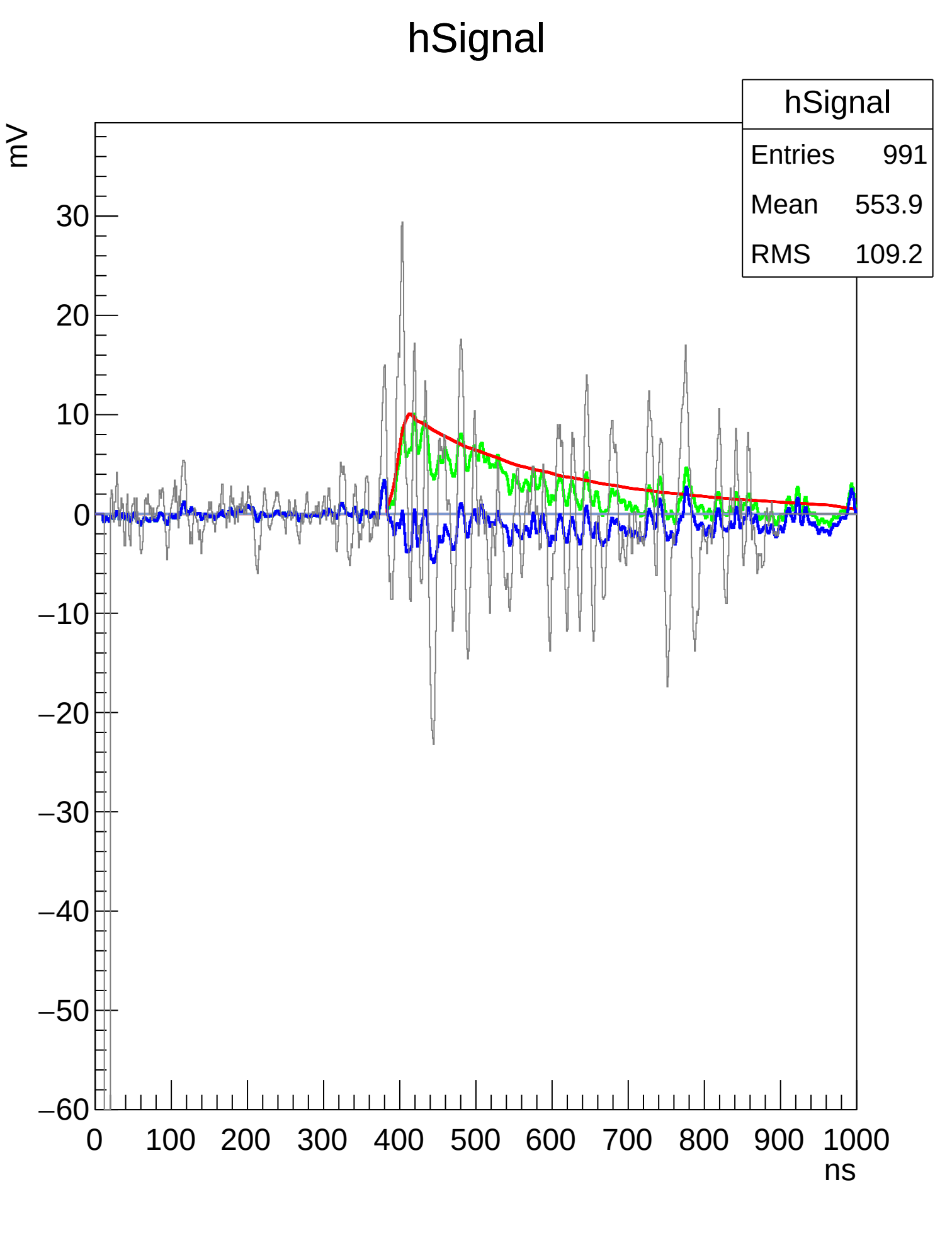
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.9
RMS 109.2
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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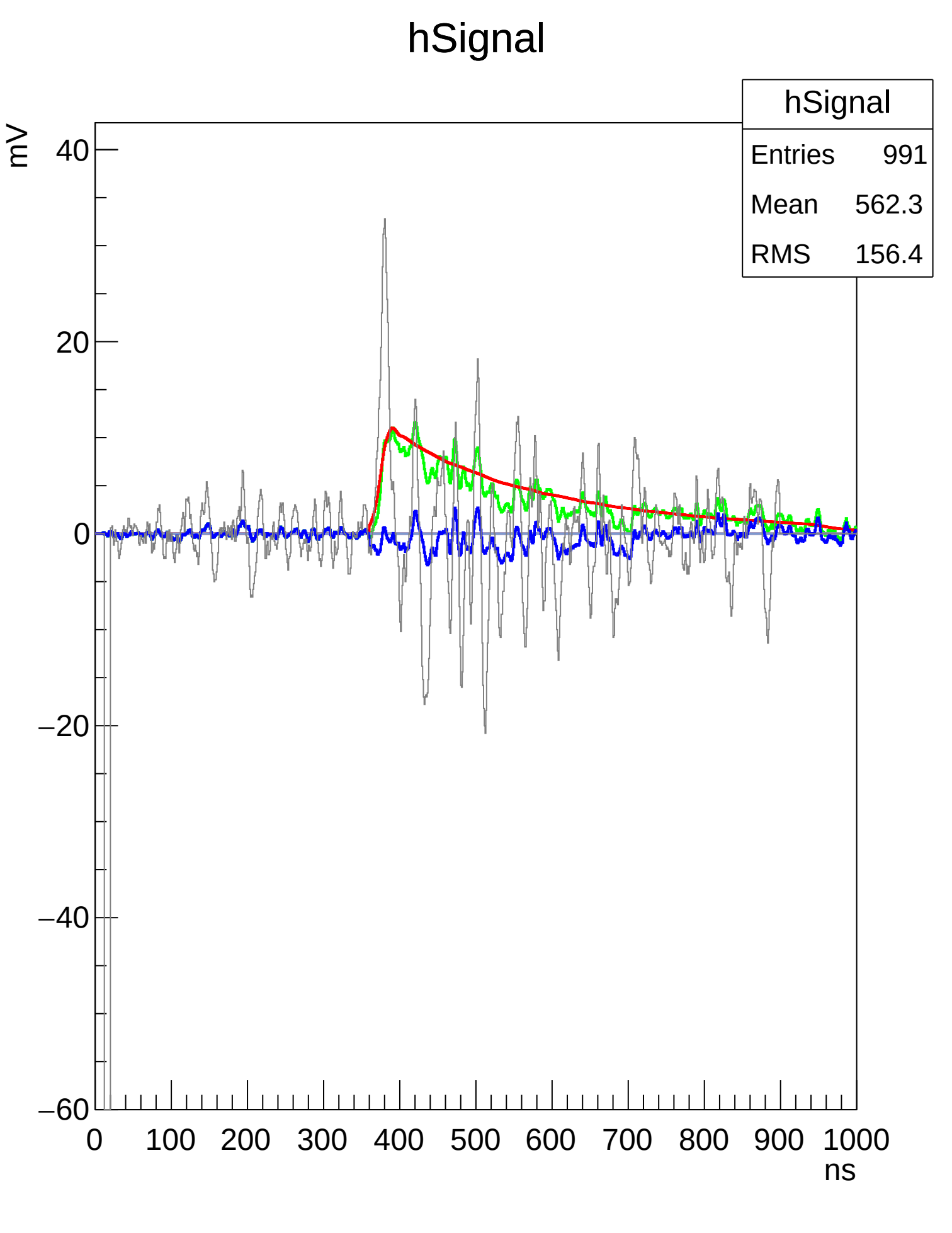
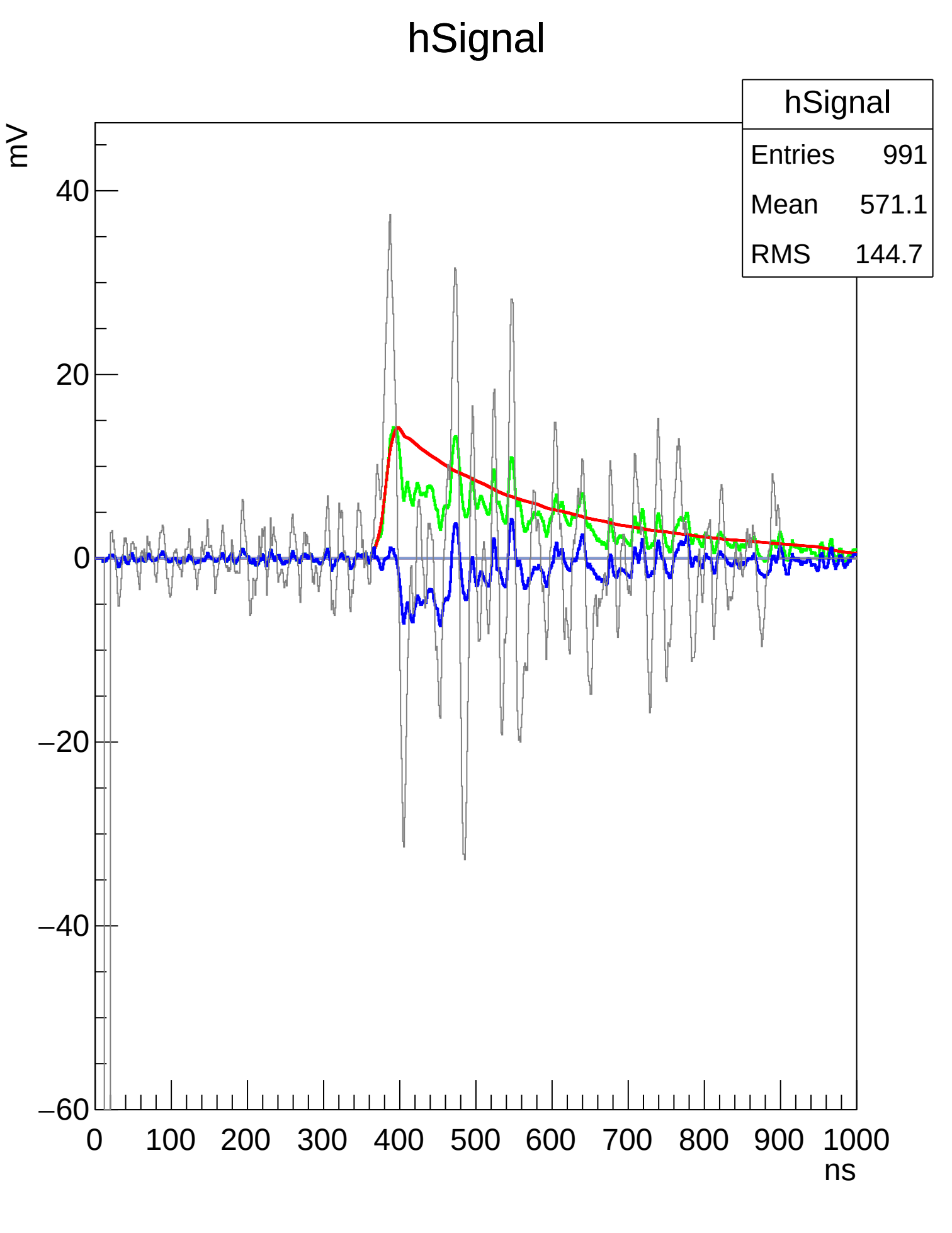
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.3
RMS 156.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.1
RMS 144.7
mV
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0
−20
−40
−60
0
100
200
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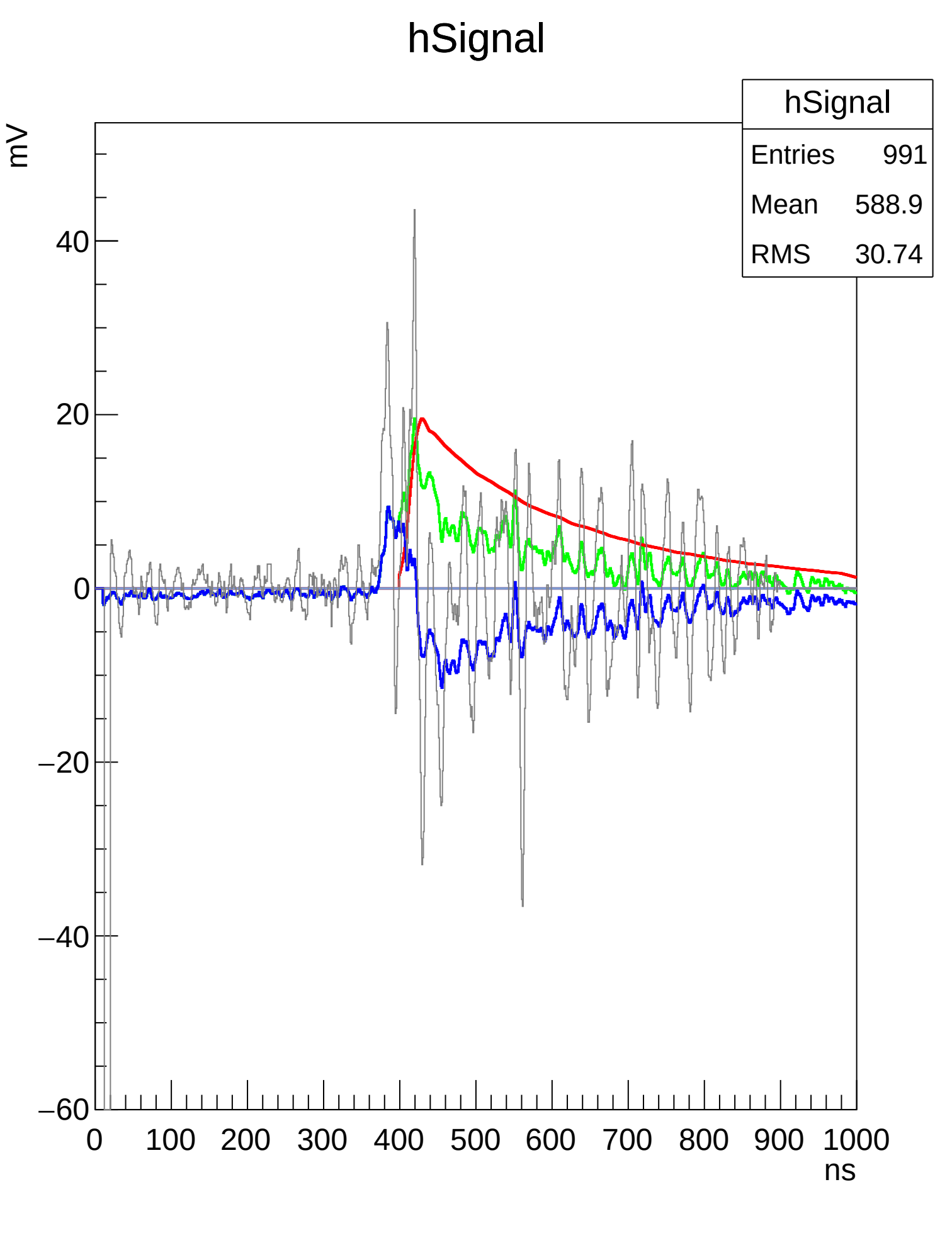
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.9
RMS 30.74
mV
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−20
−40
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0
100
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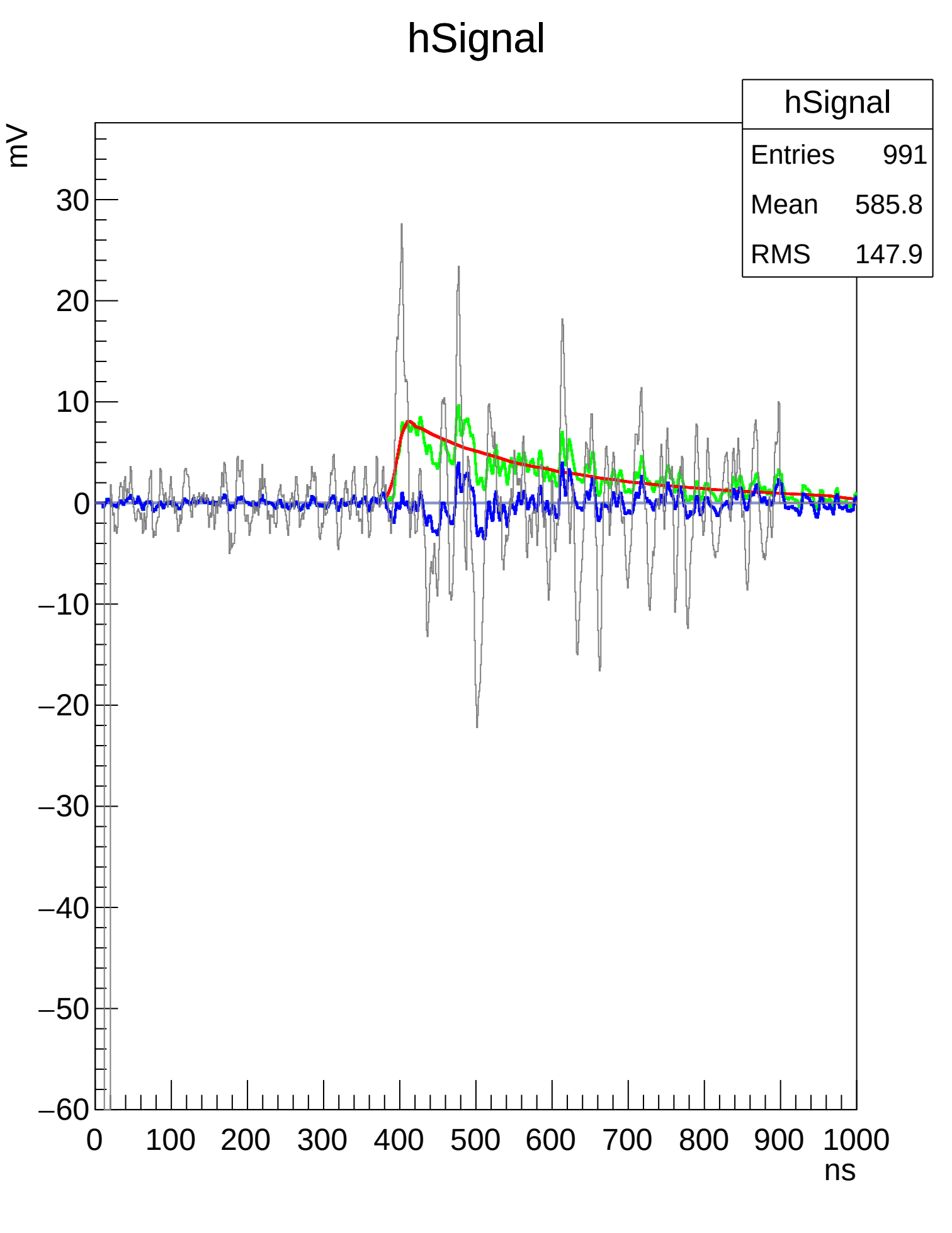
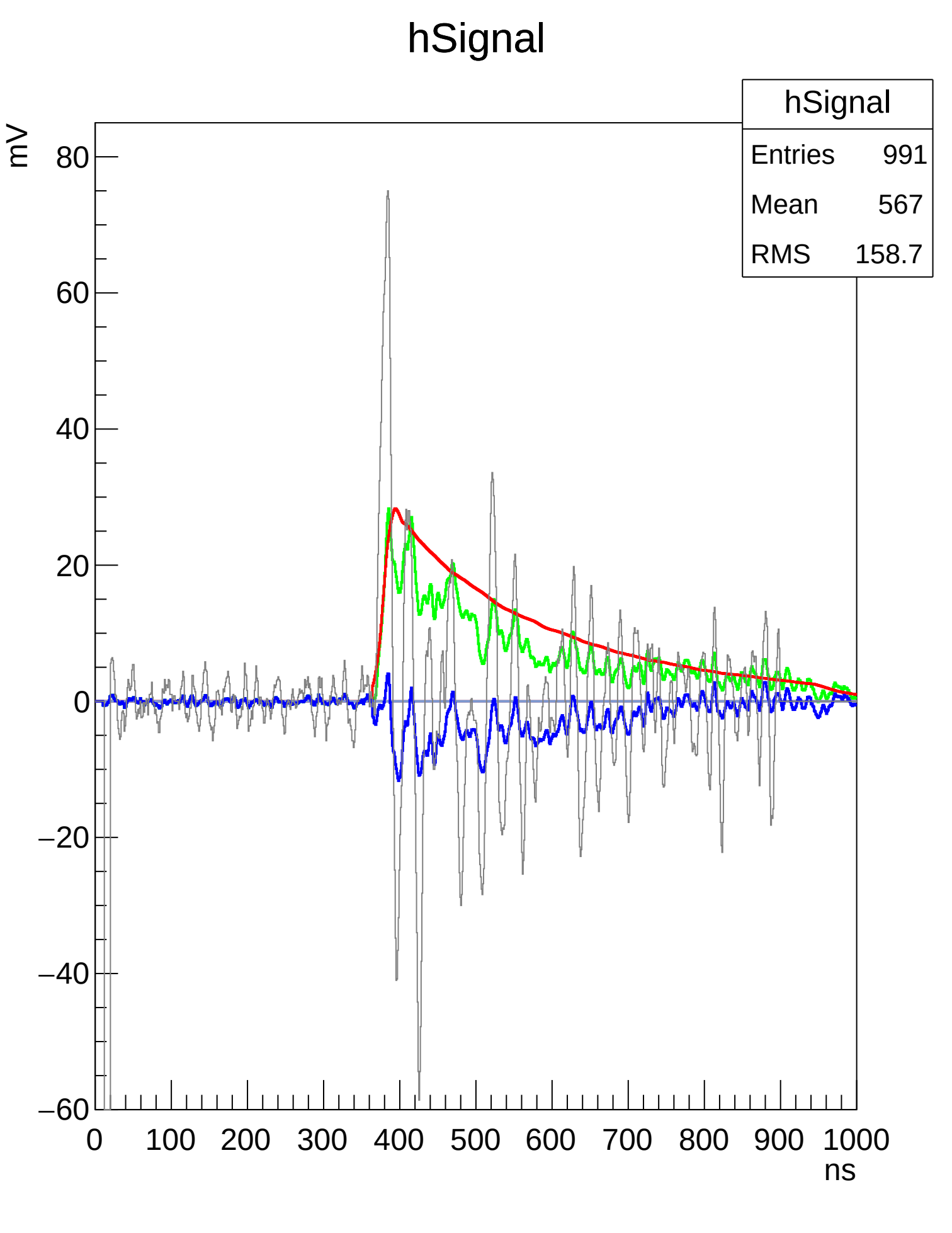
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.8
RMS 147.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567
RMS 158.7
mV
80
60
40
20
0
−20
−40
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0
100
200
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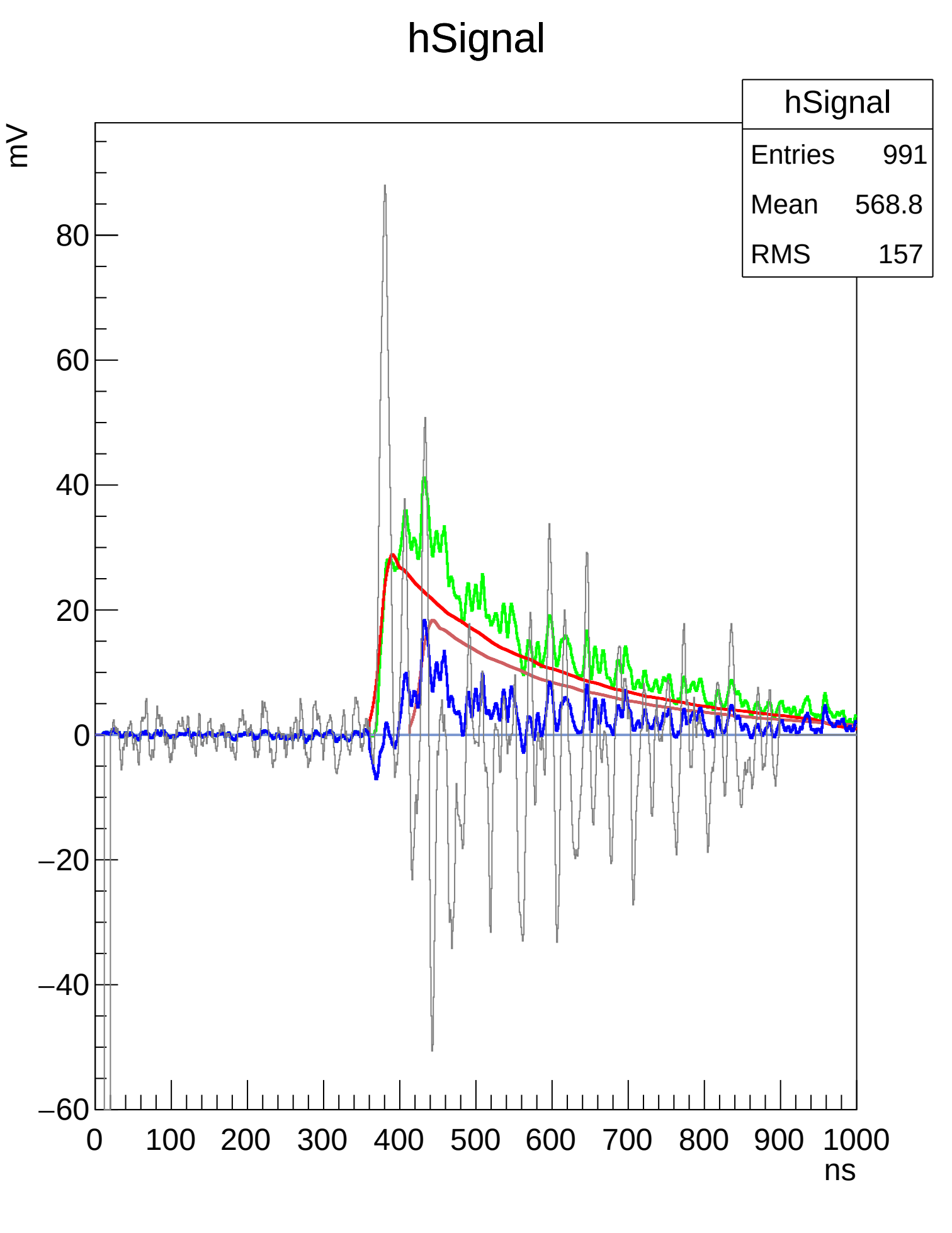
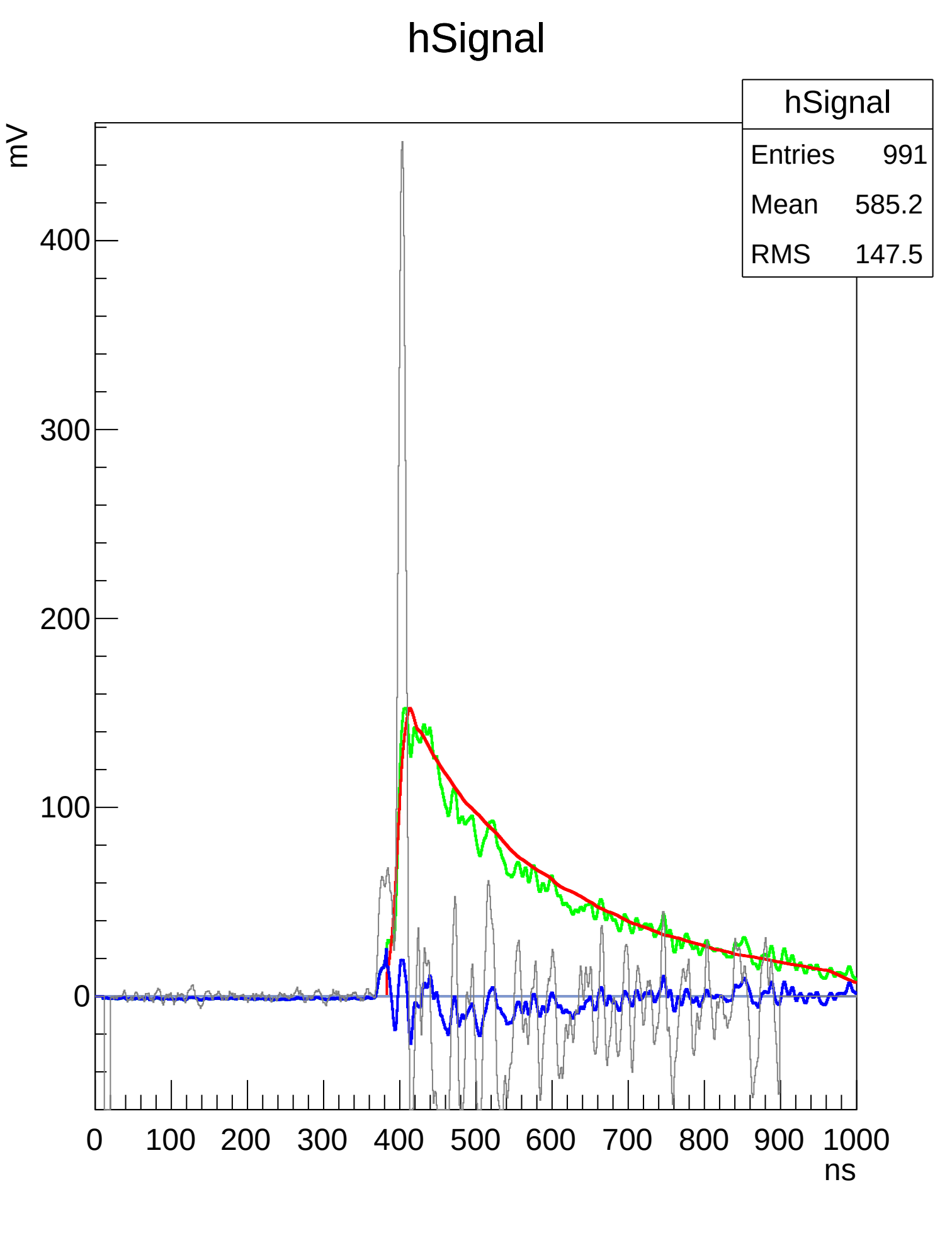
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.8
RMS 157
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.2
RMS 147.5
mV
400
300
200
100
0
0
100
200
300
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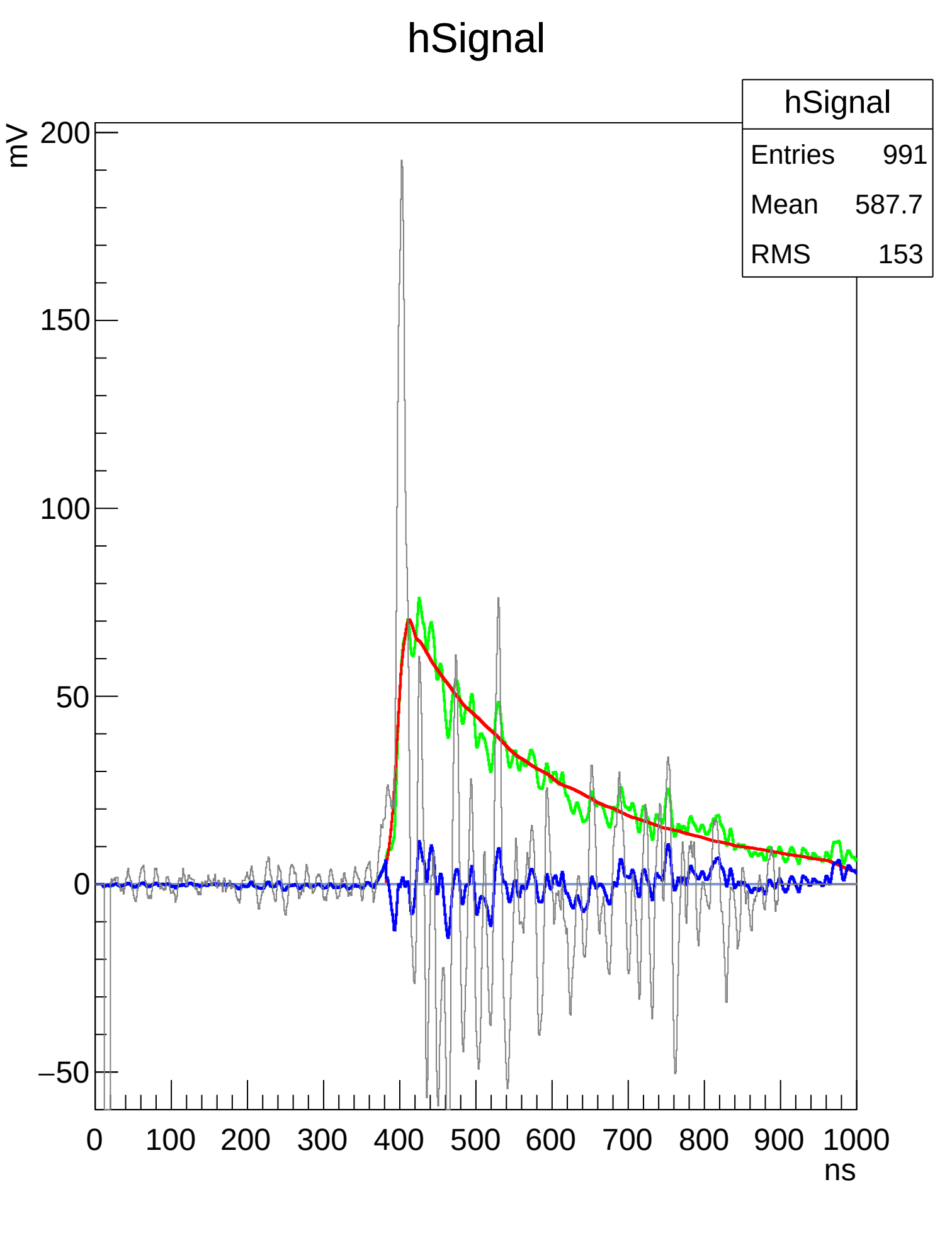
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.7
RMS 153
mV
200
150
100
50
0
−50
0
100
200
300
400
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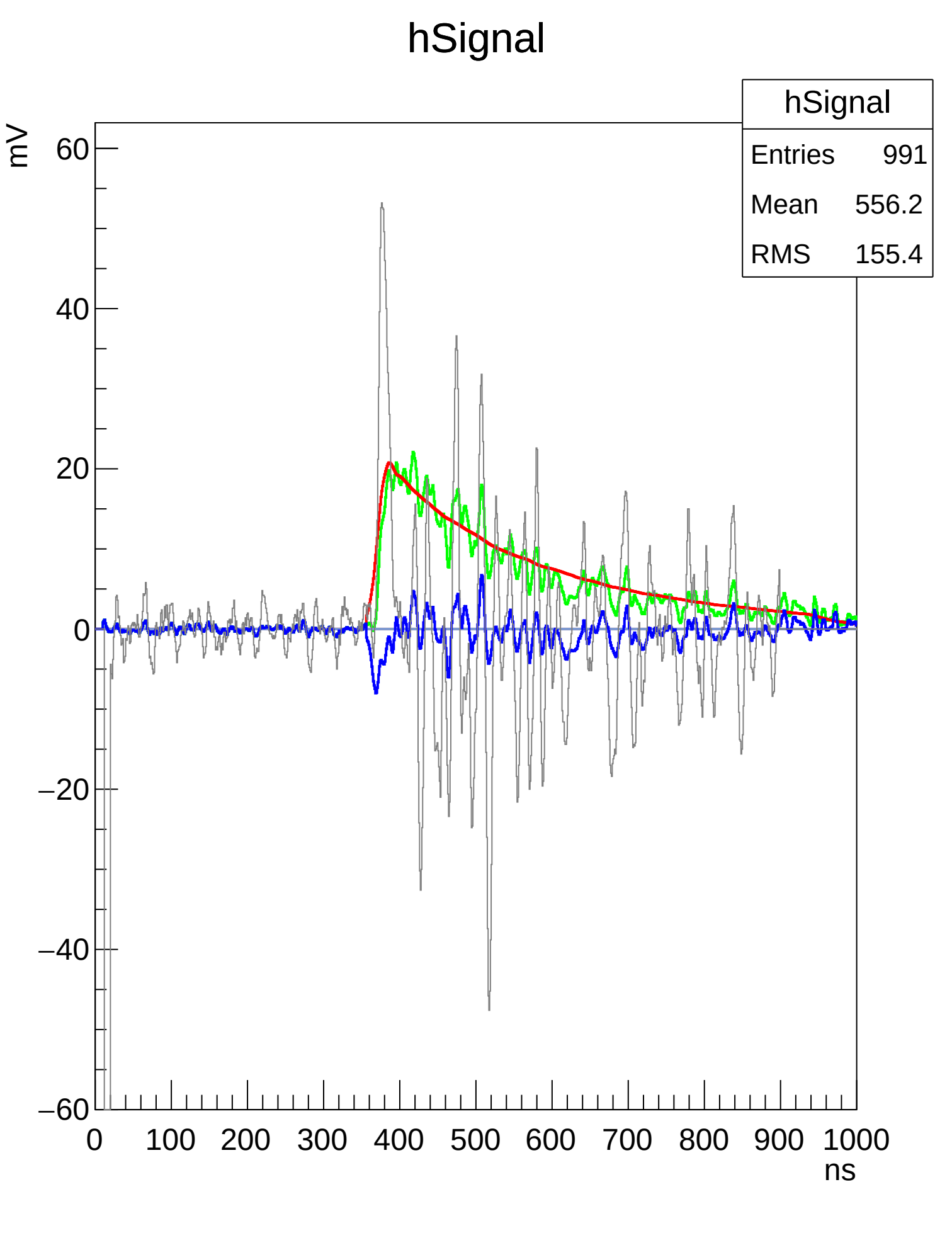
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.2
RMS 155.4
mV
60
40
20
0
−20
−40
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0
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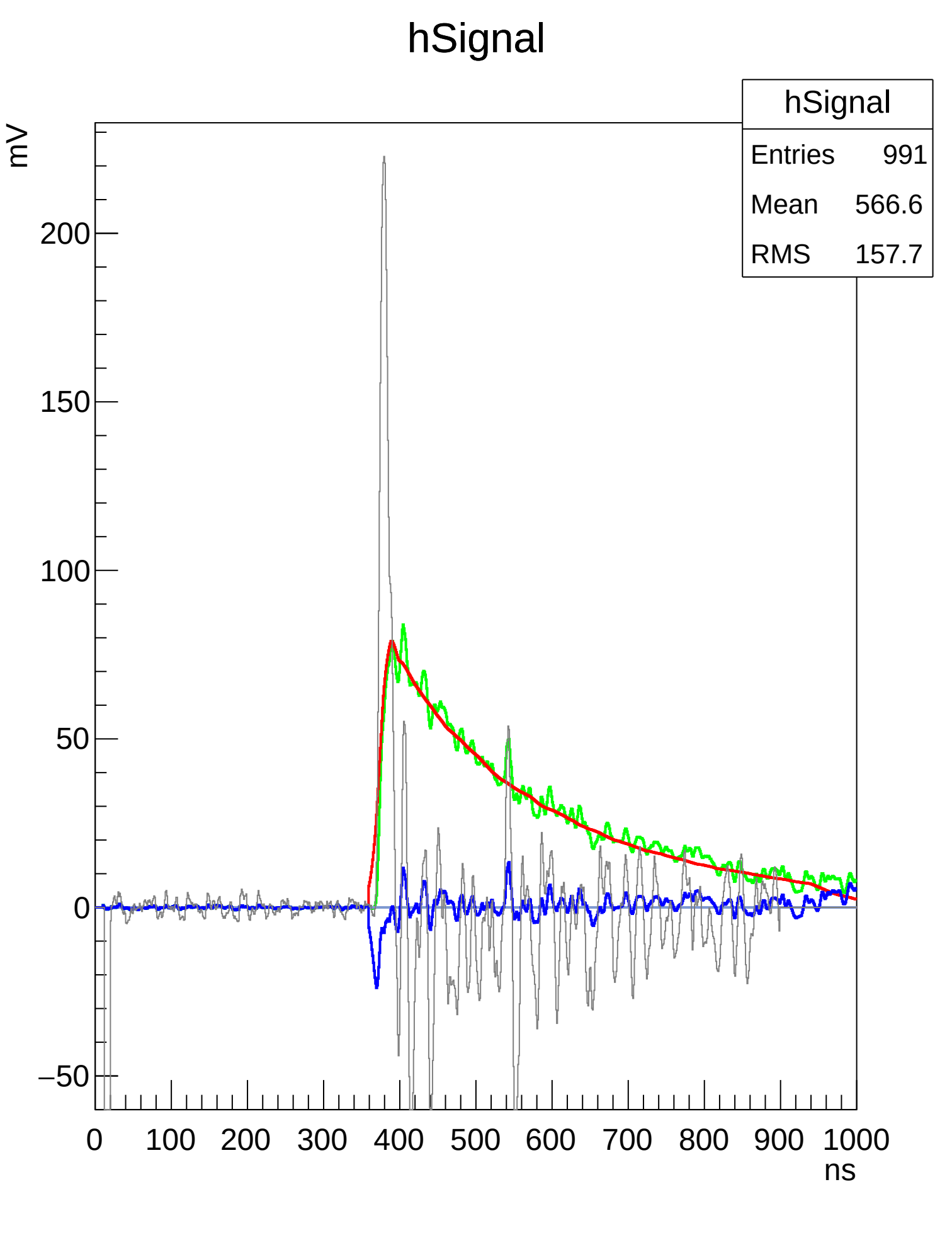
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.6
RMS 157.7
mV
200
150
100
50
0
−50
0
100
200
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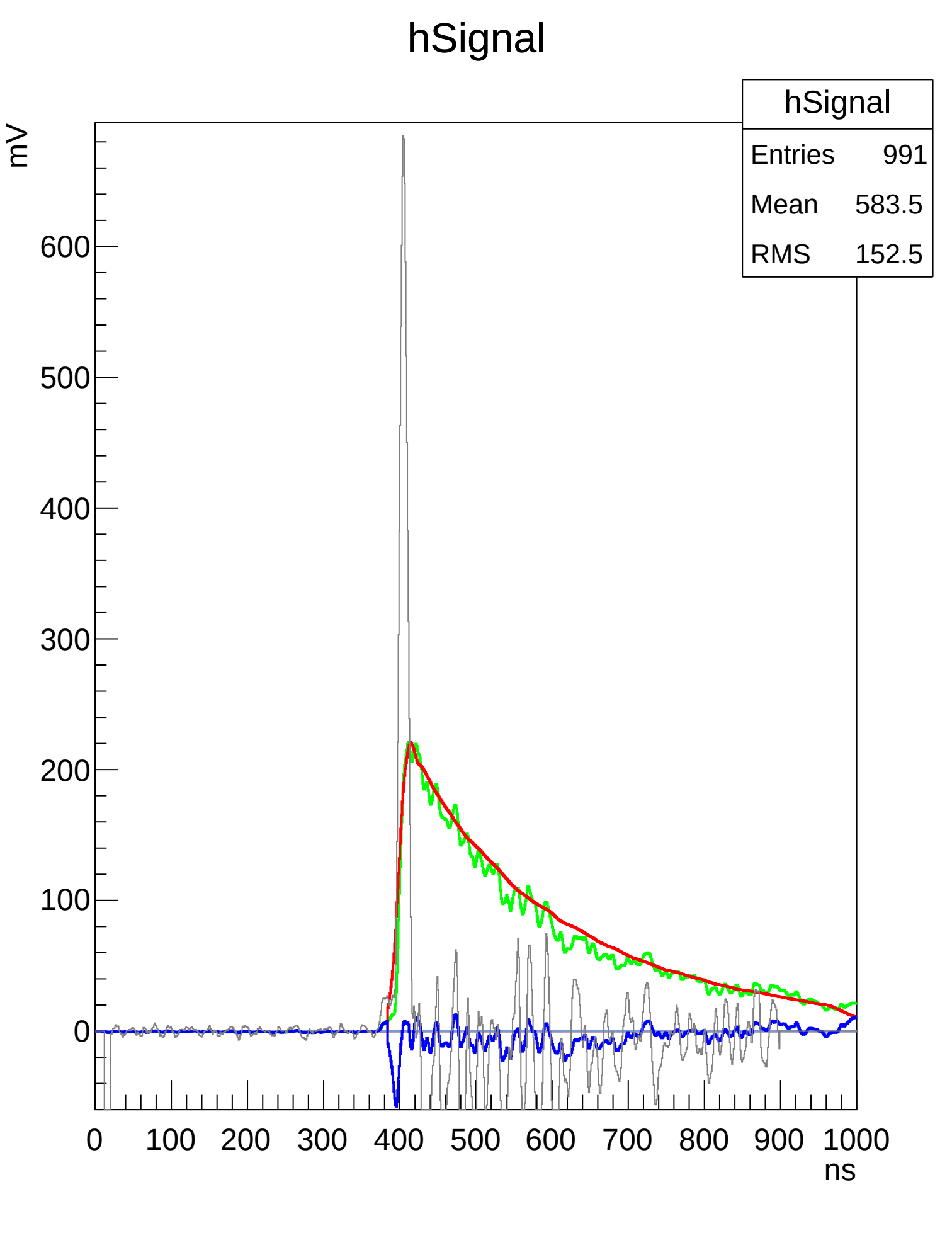
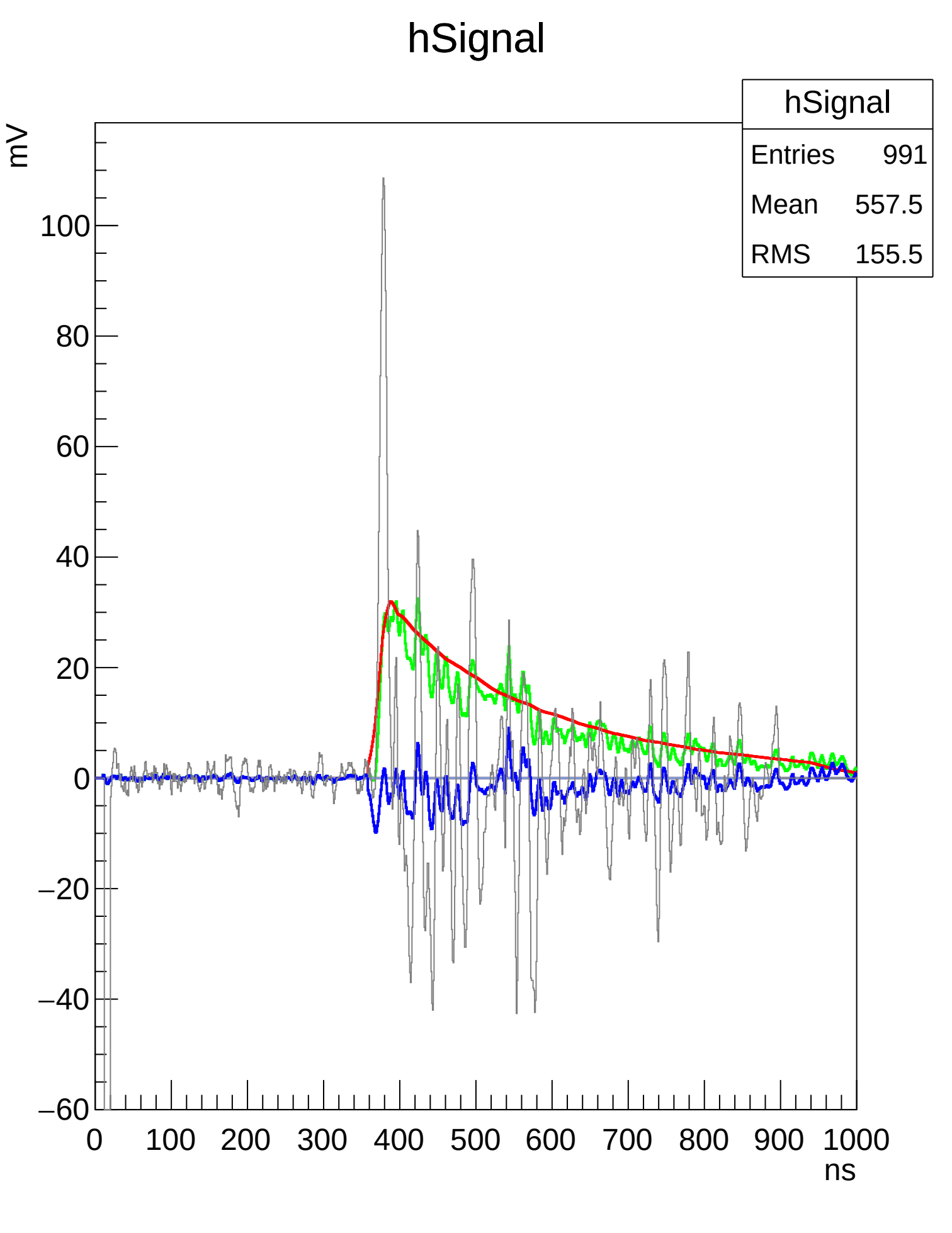
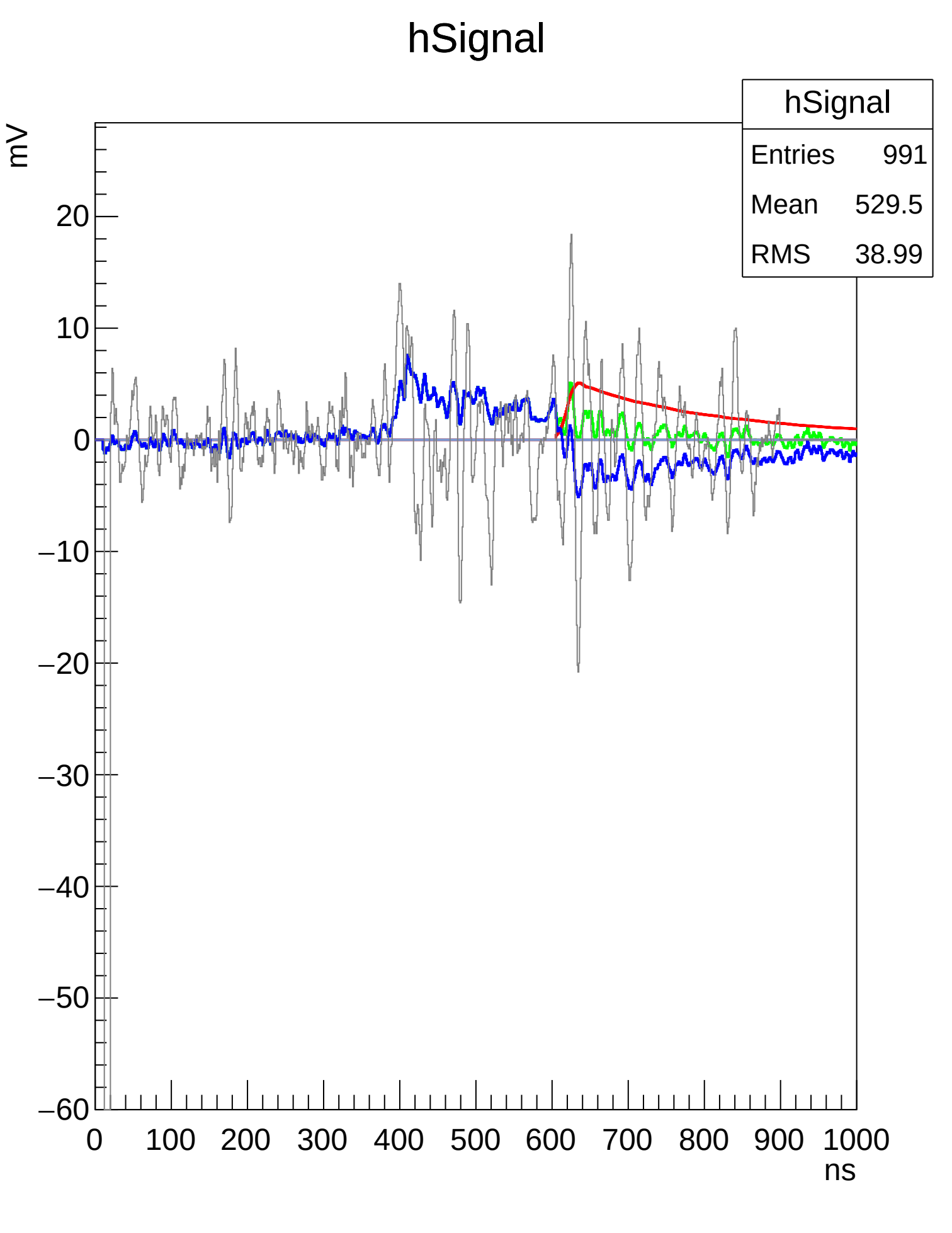
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.5
RMS 152.5
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.5
RMS 155.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.5
RMS 38.99
mV
20
10
0
−10
−20
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−40
−50
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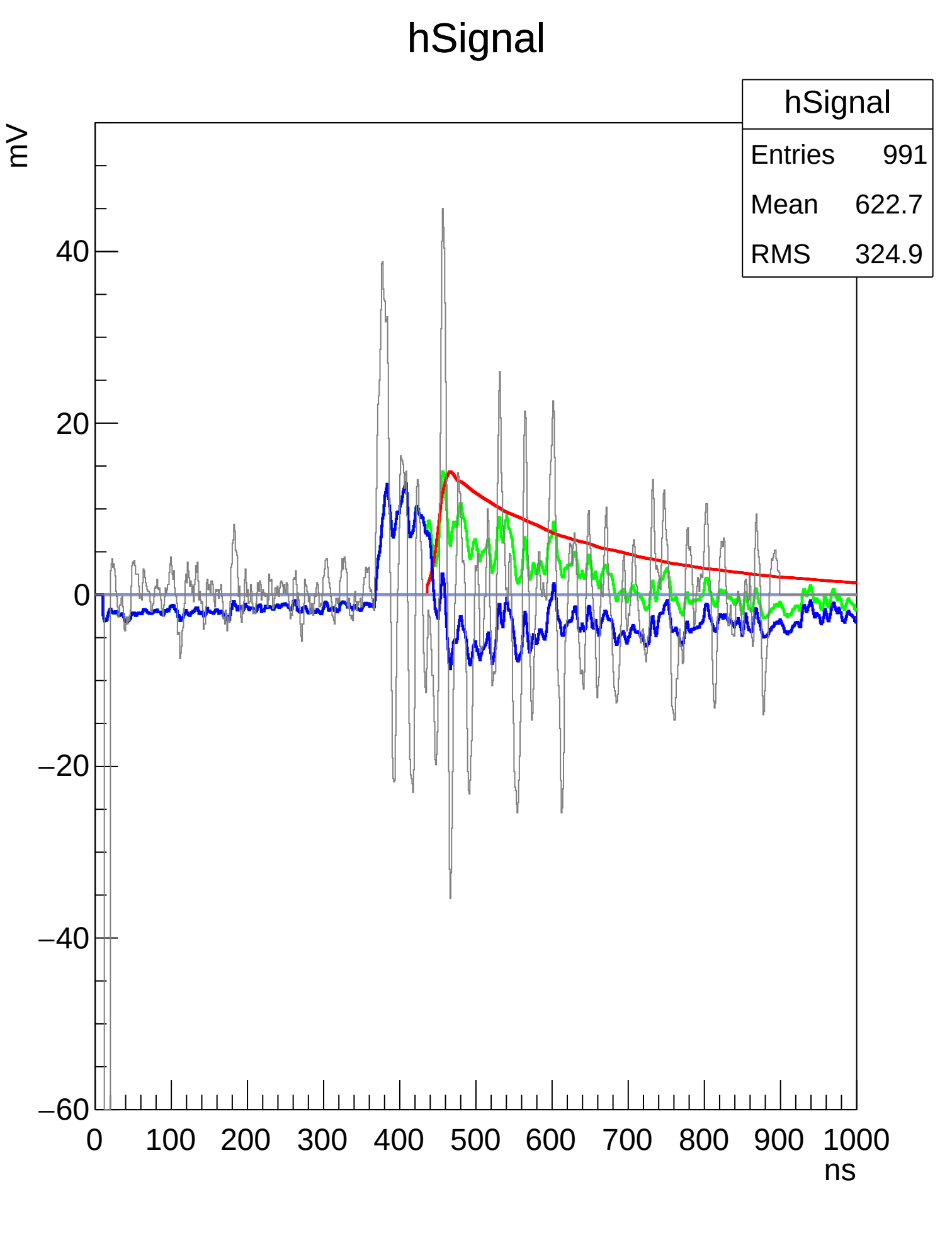
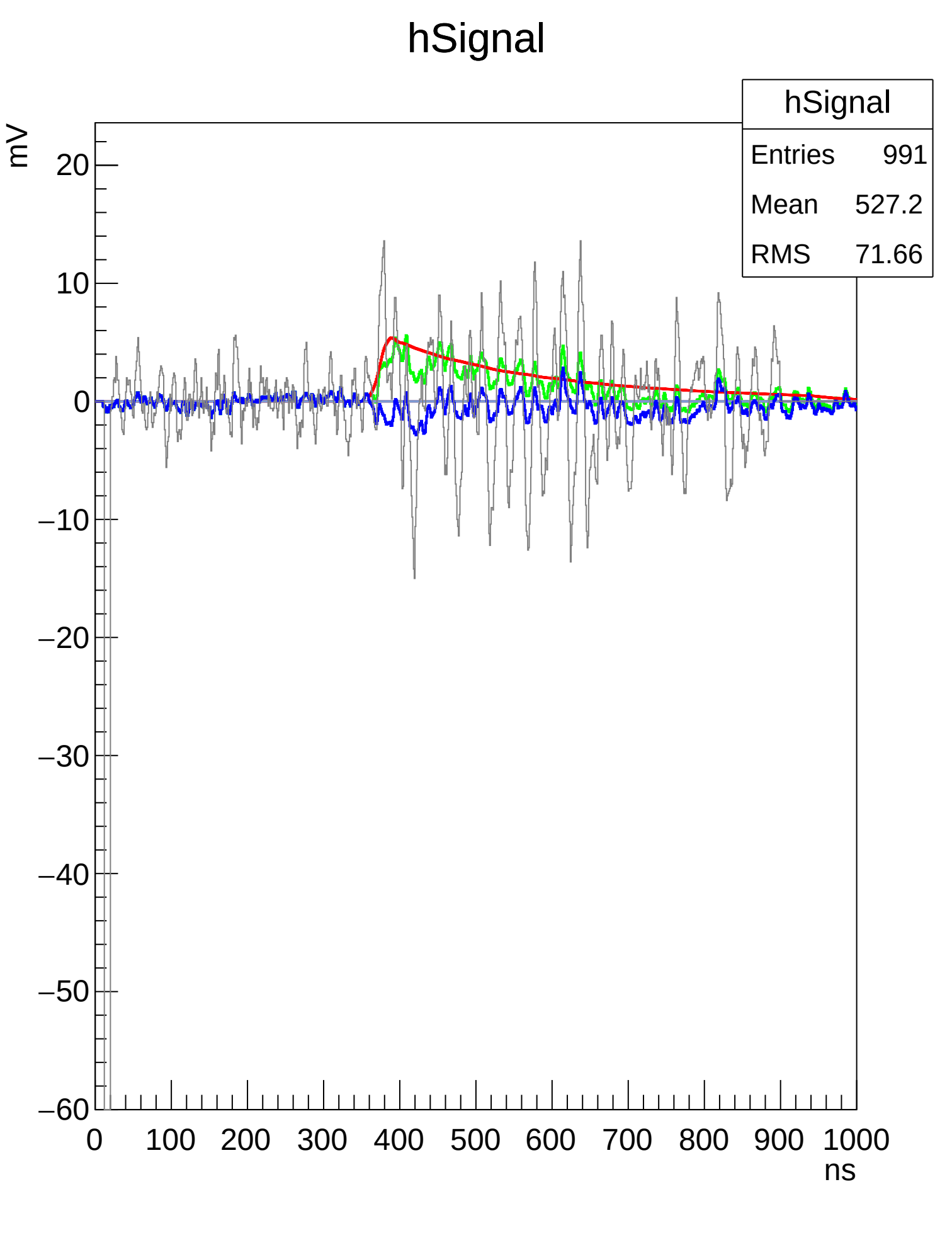
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.7
RMS 324.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.2
RMS 71.66
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
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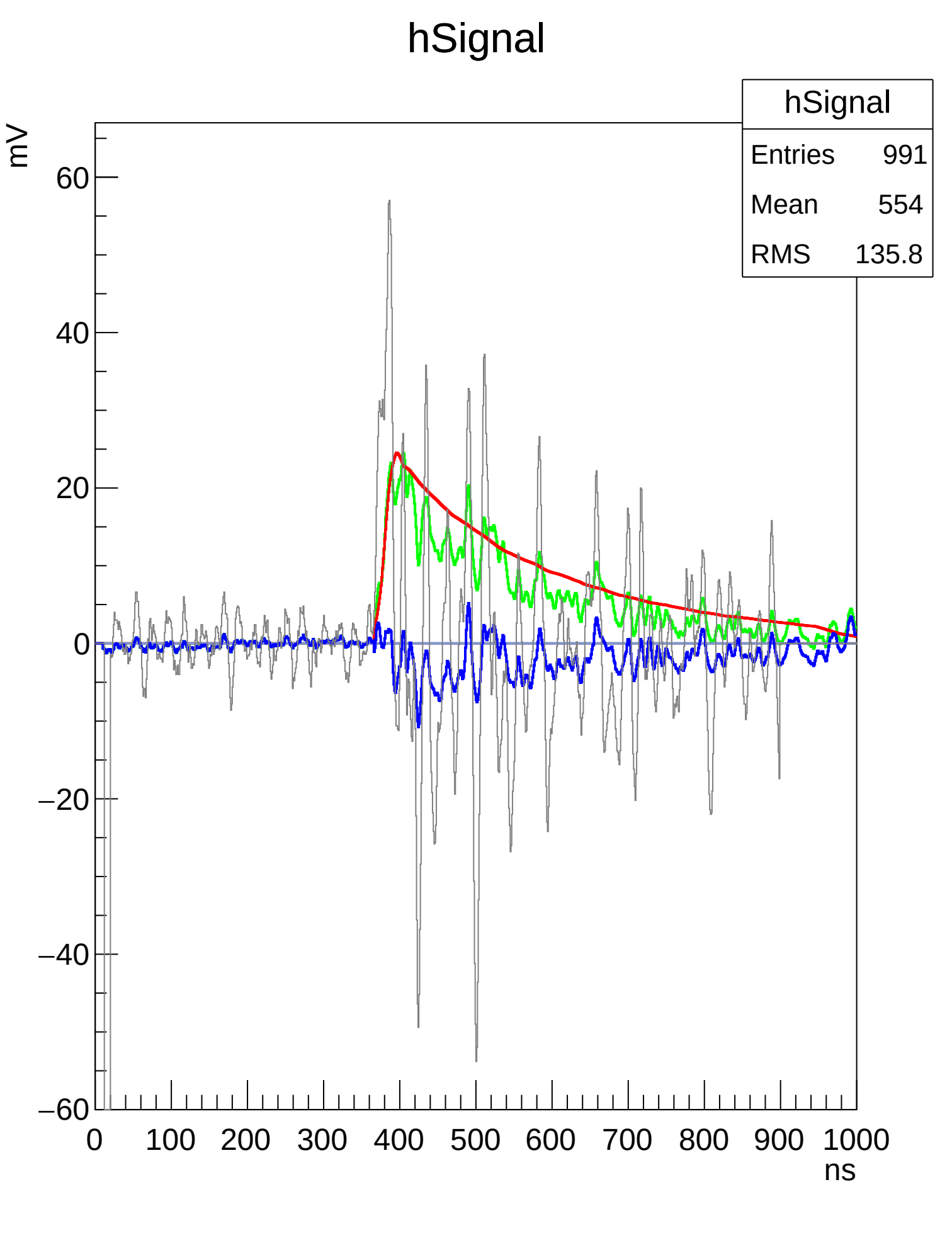
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554
RMS 135.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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600
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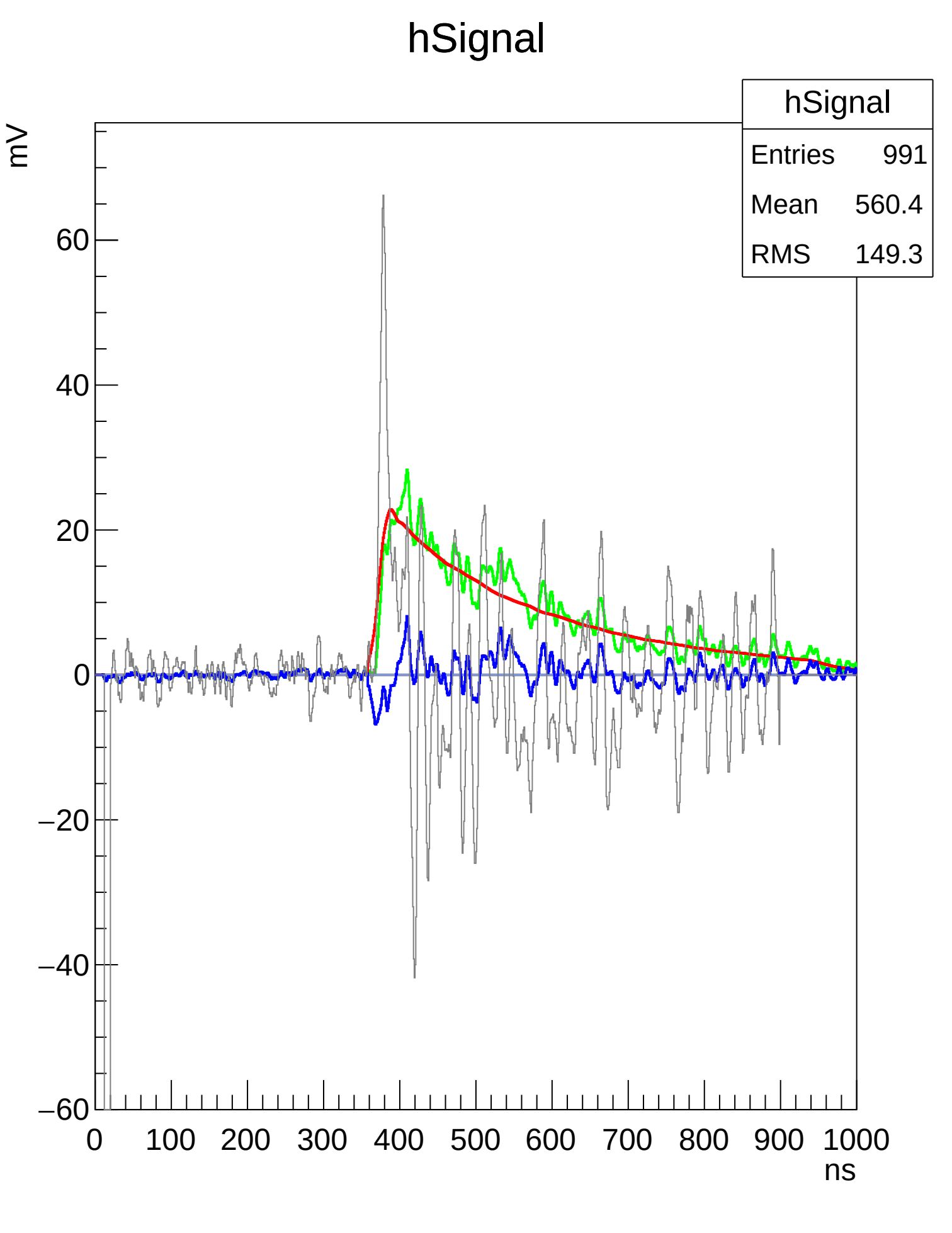
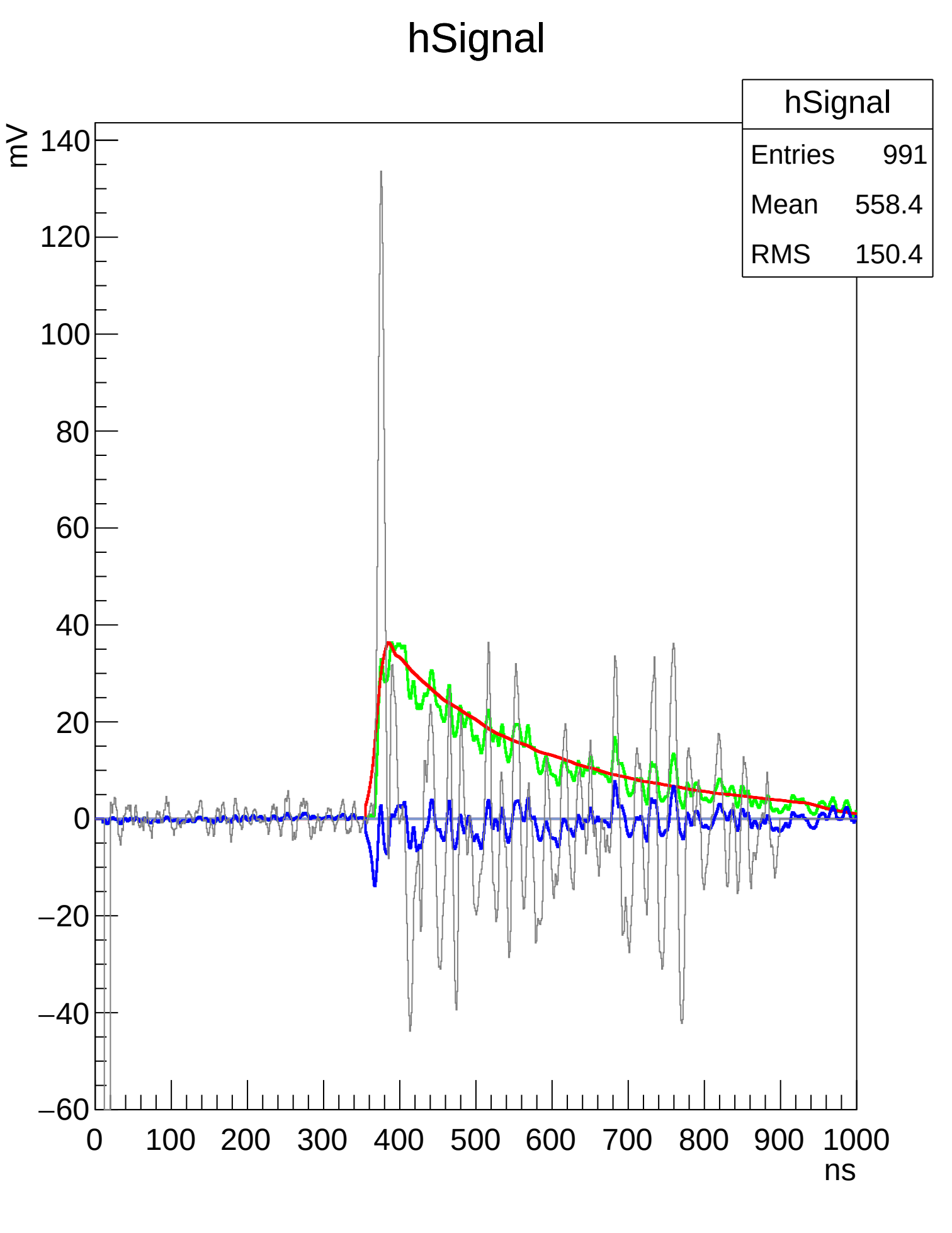
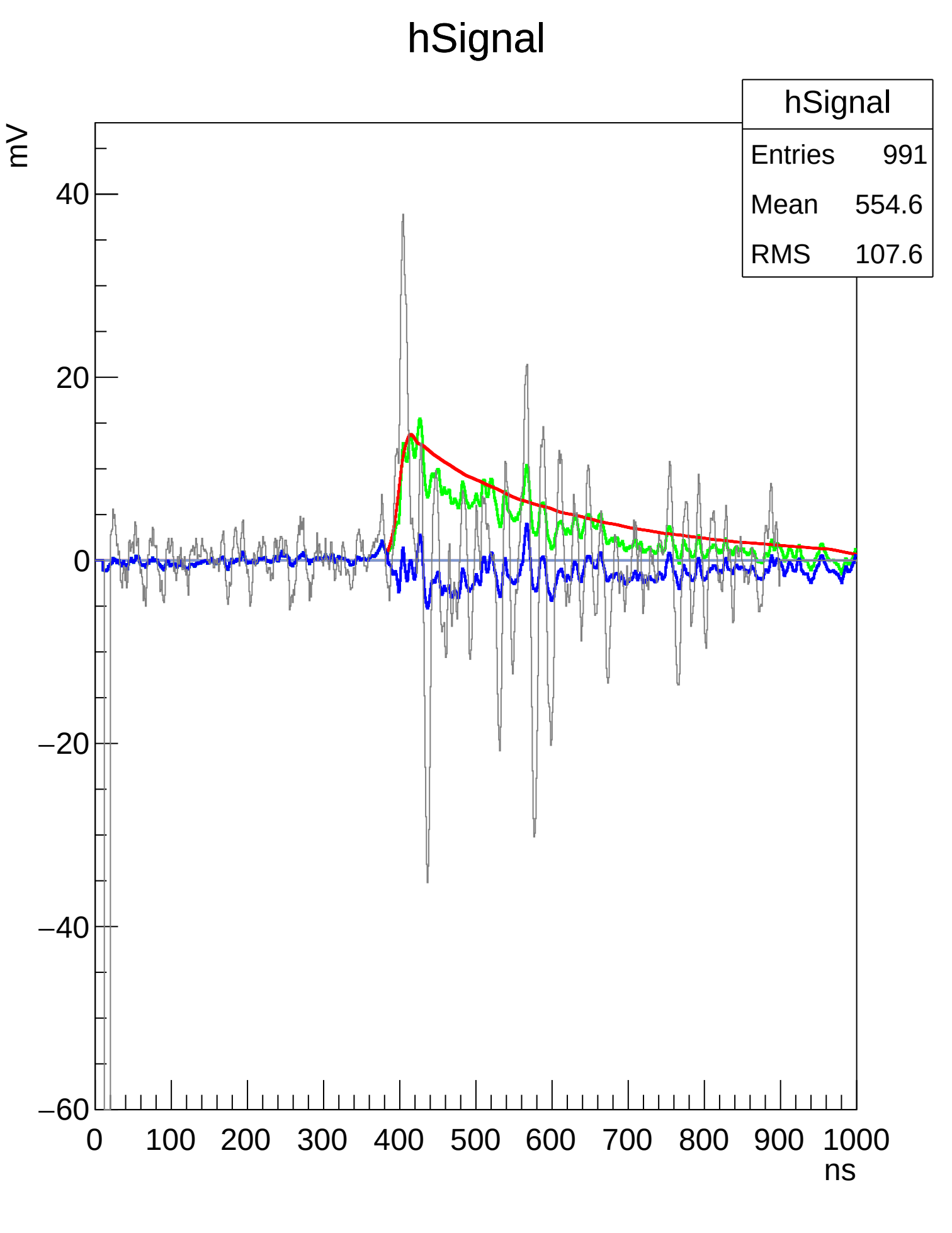
1000
ns


hSignal
hSignal
Entries 991
Mean 560.4
RMS 149.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.4
RMS 150.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 107.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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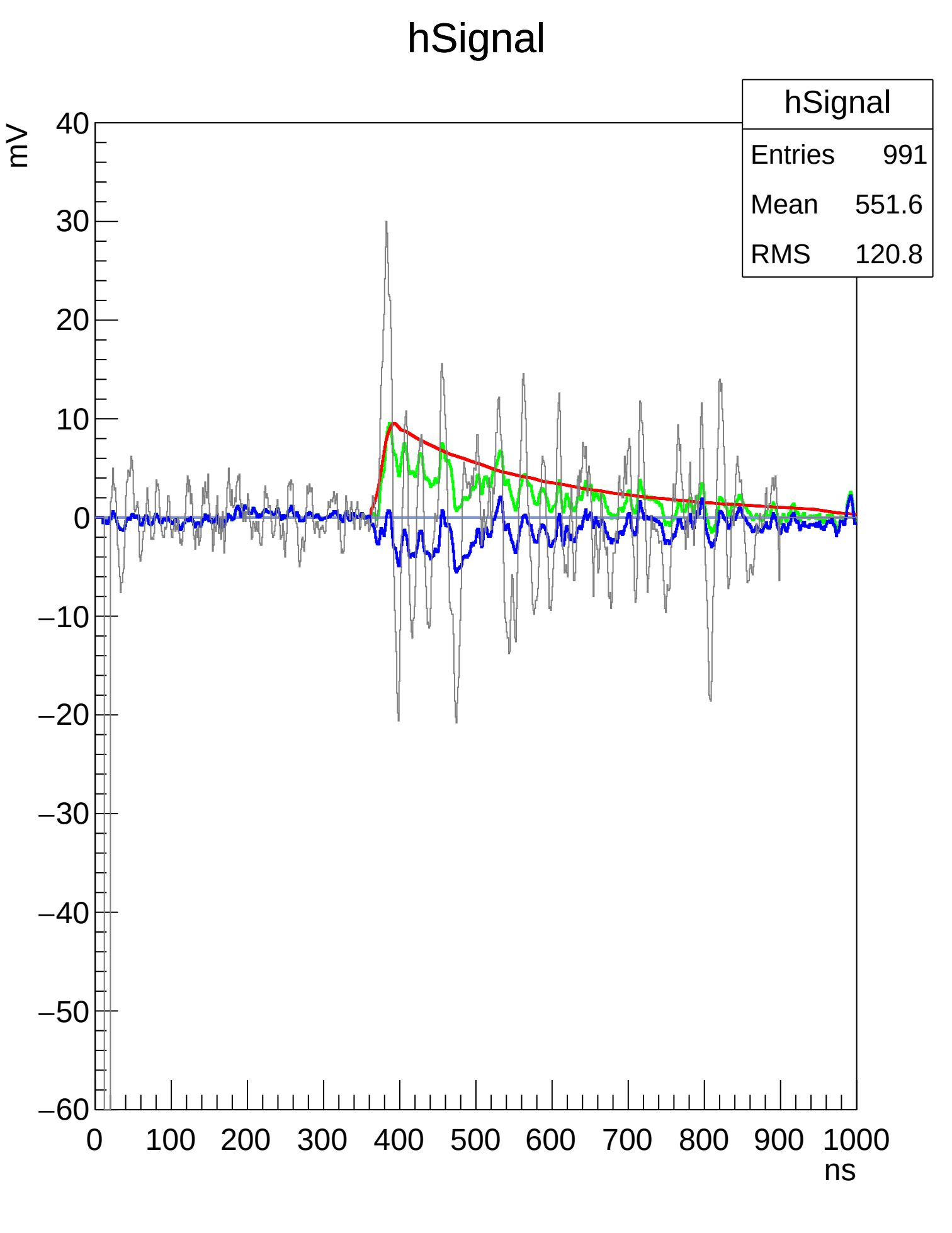
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.6
RMS 120.8
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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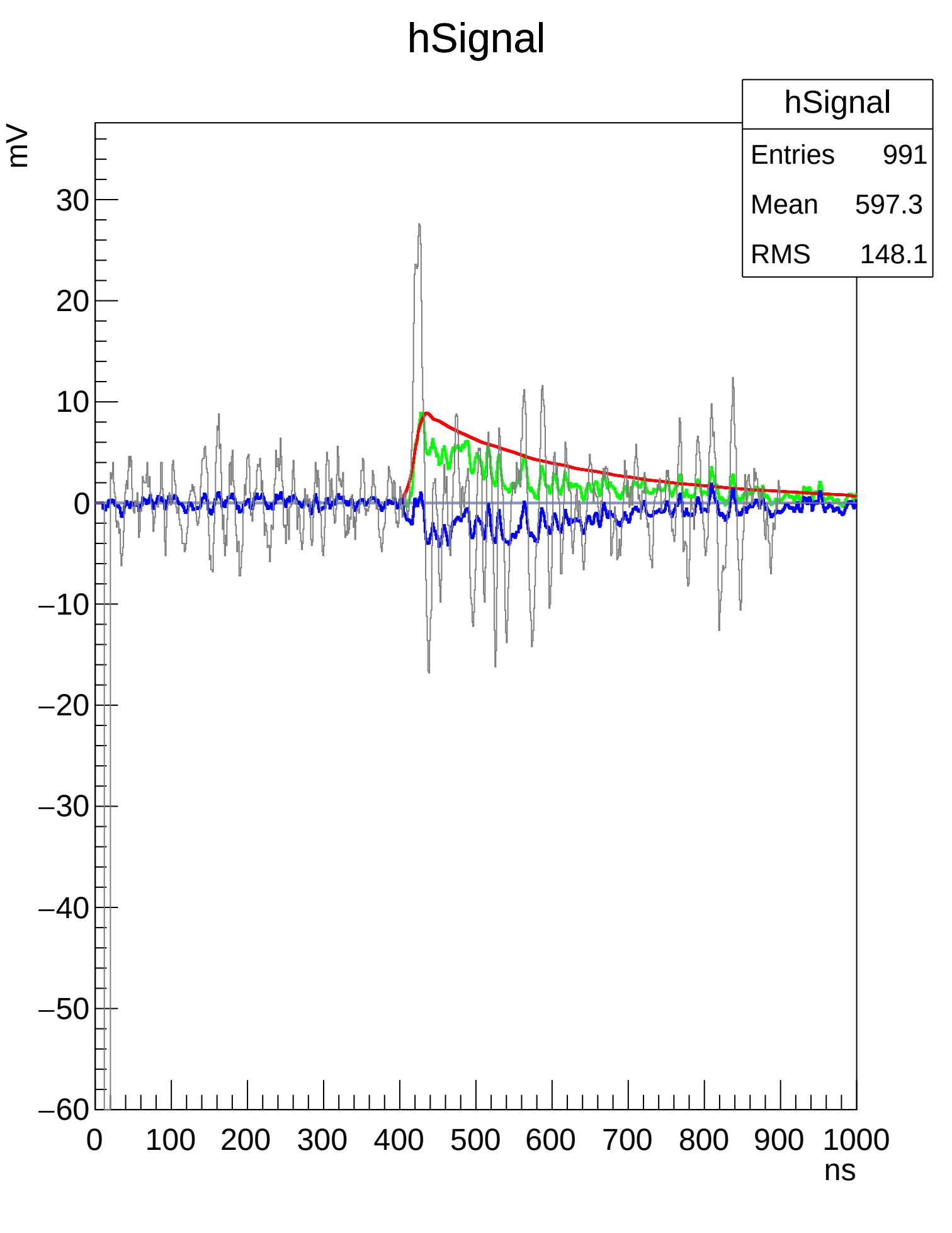
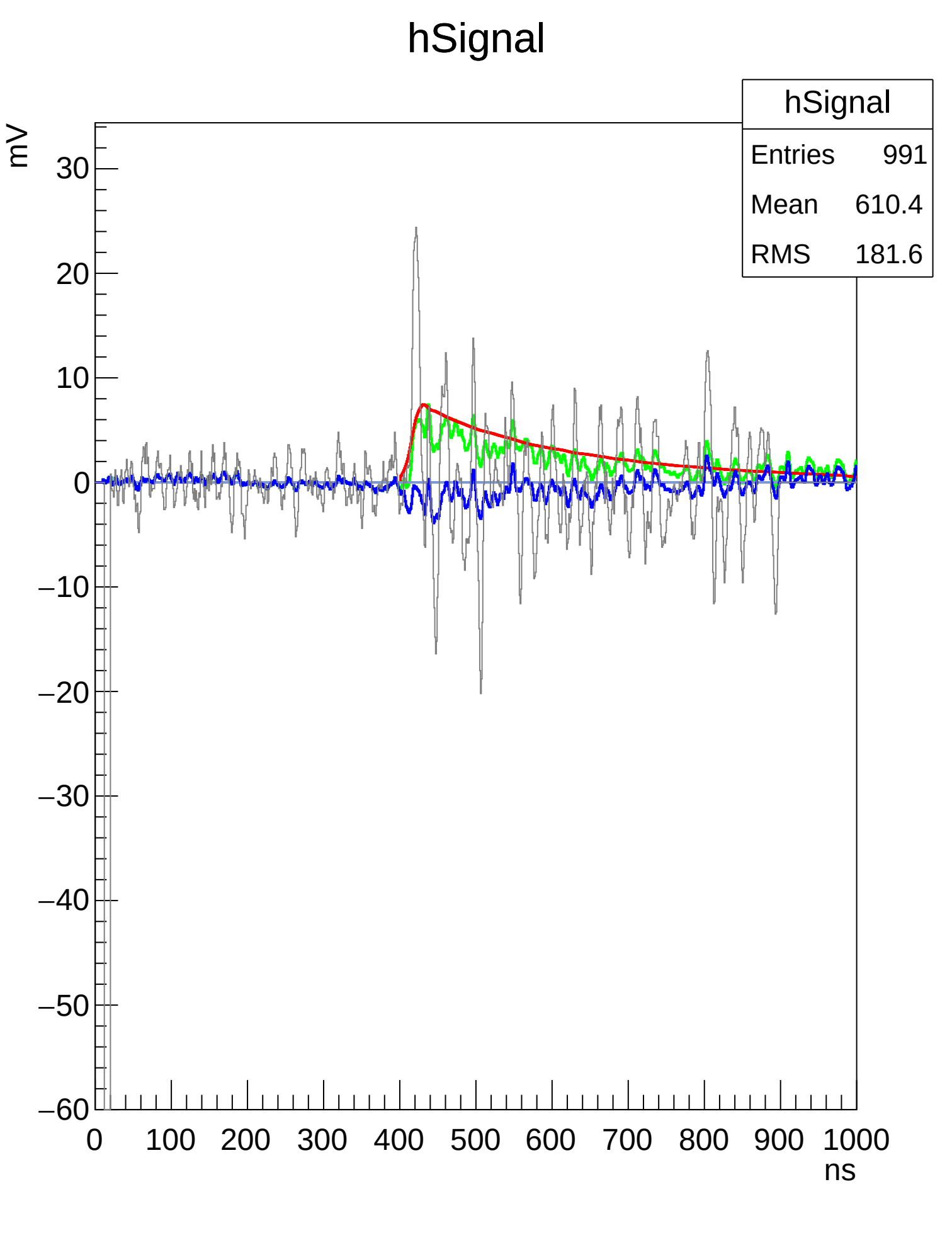
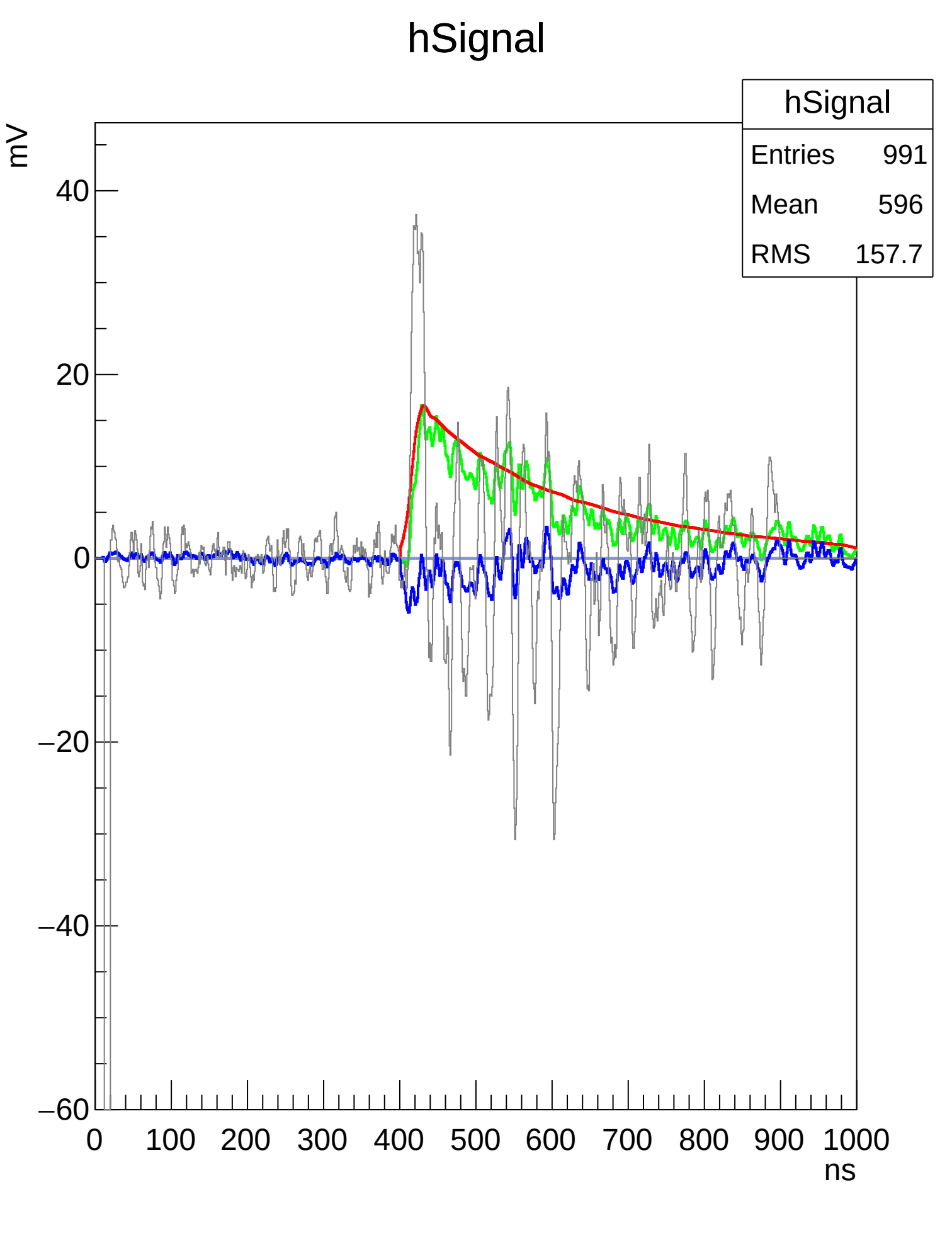
1000
ns


hSignal
hSignal
Entries 991
Mean 597.3
RMS 148.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.4
RMS 181.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596
RMS 157.7
mV
40
20
0
−20
−40
−60
0
100
200
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600
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800
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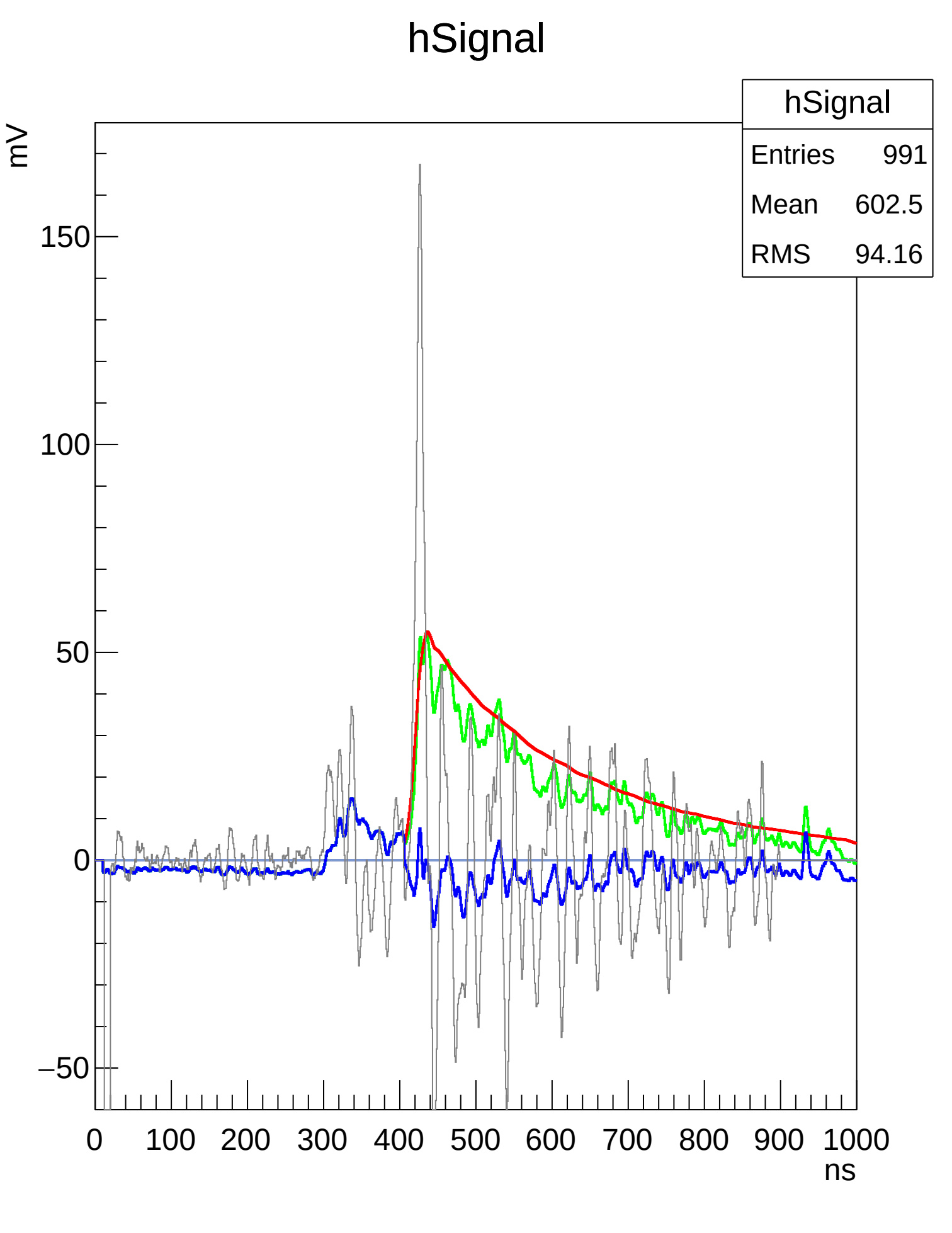
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 94.16
mV
150
100
50
0
−50
0
100
200
300
400
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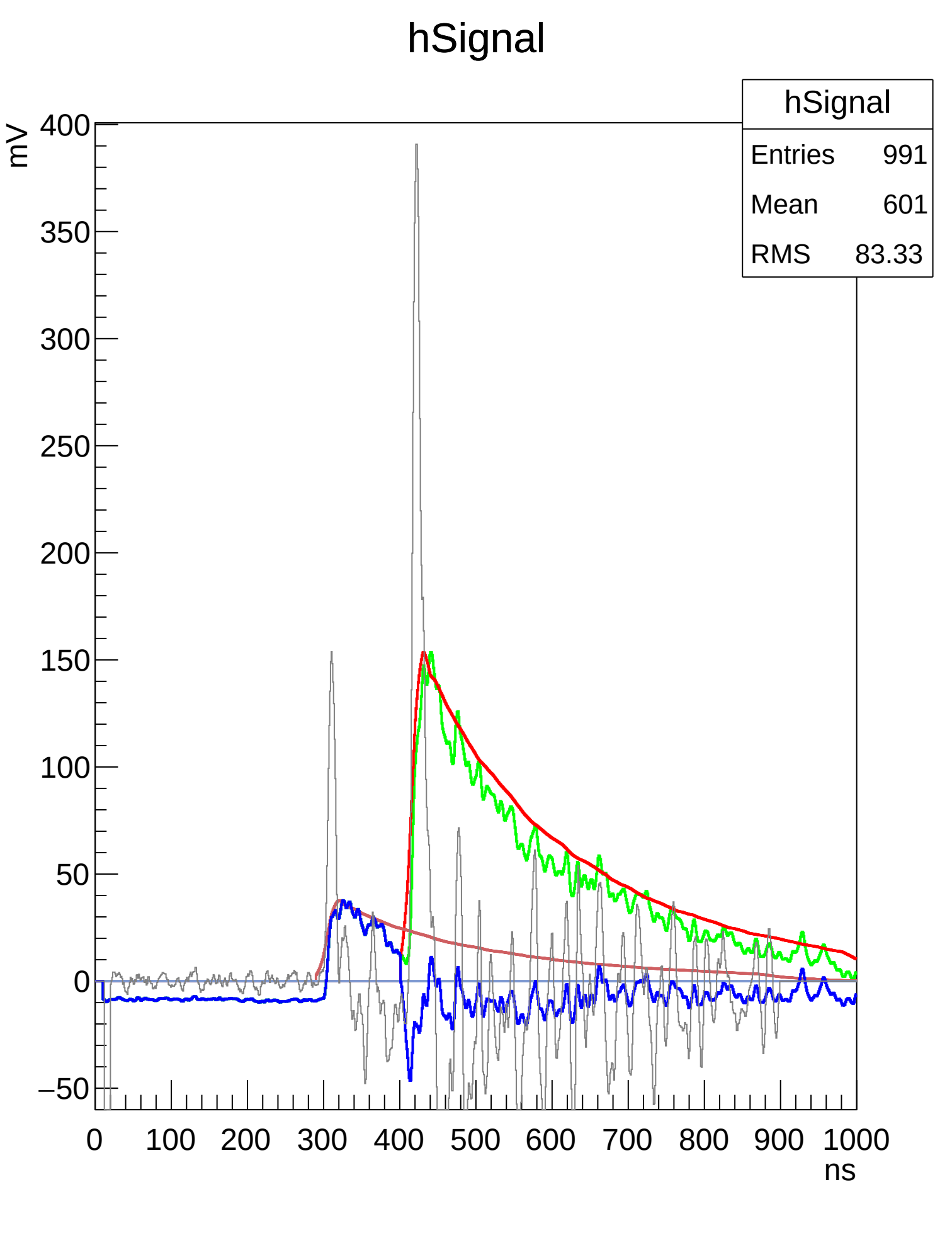
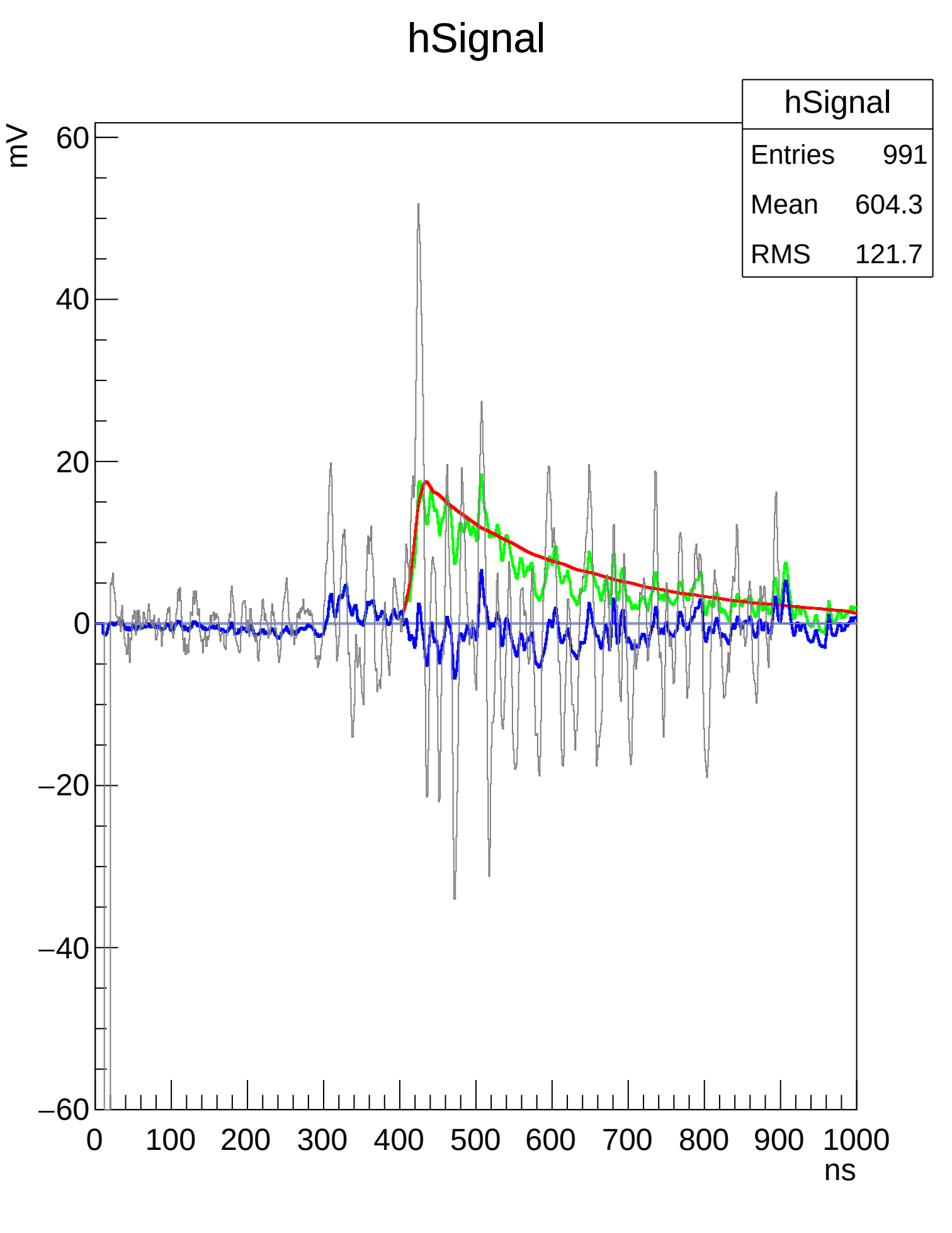
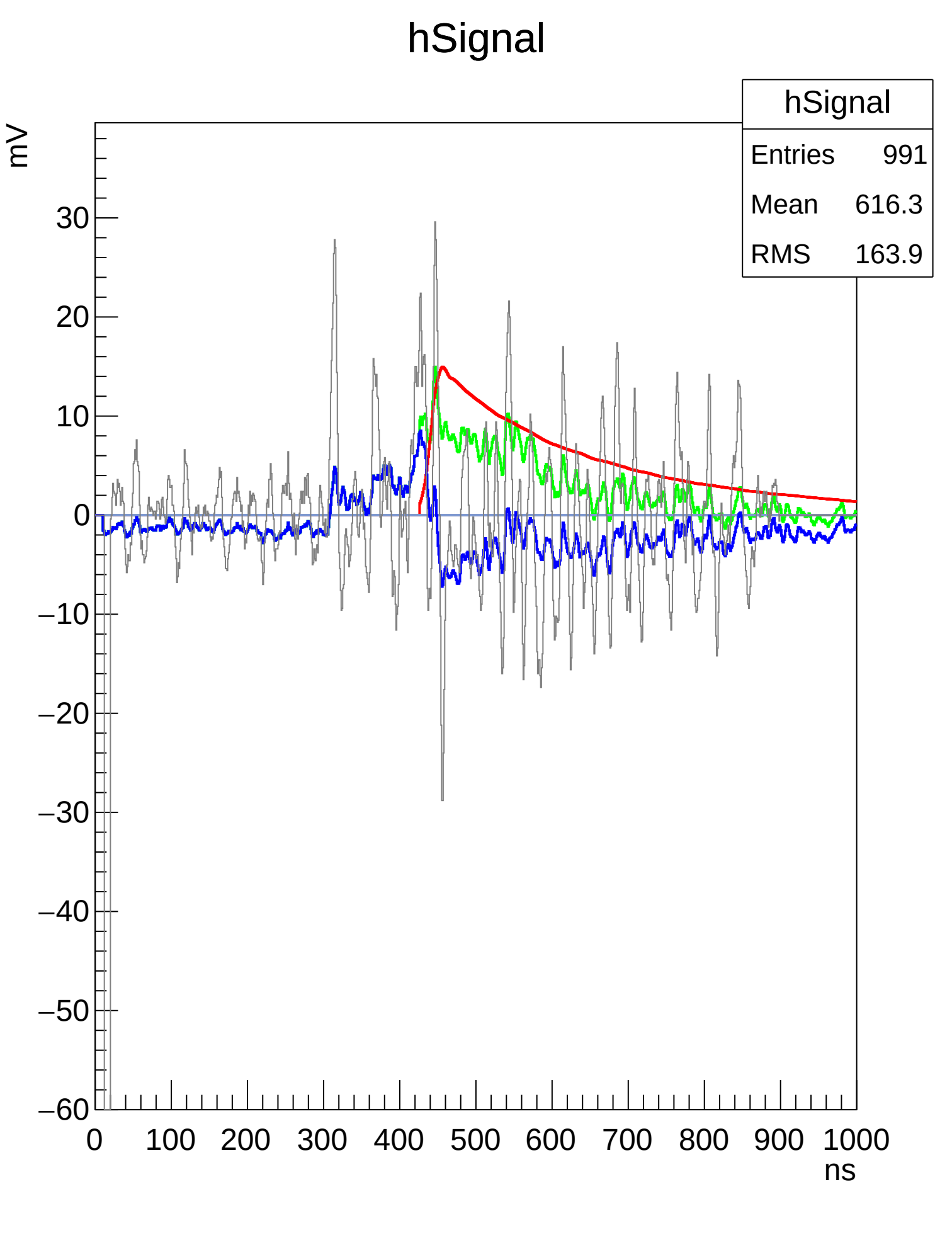
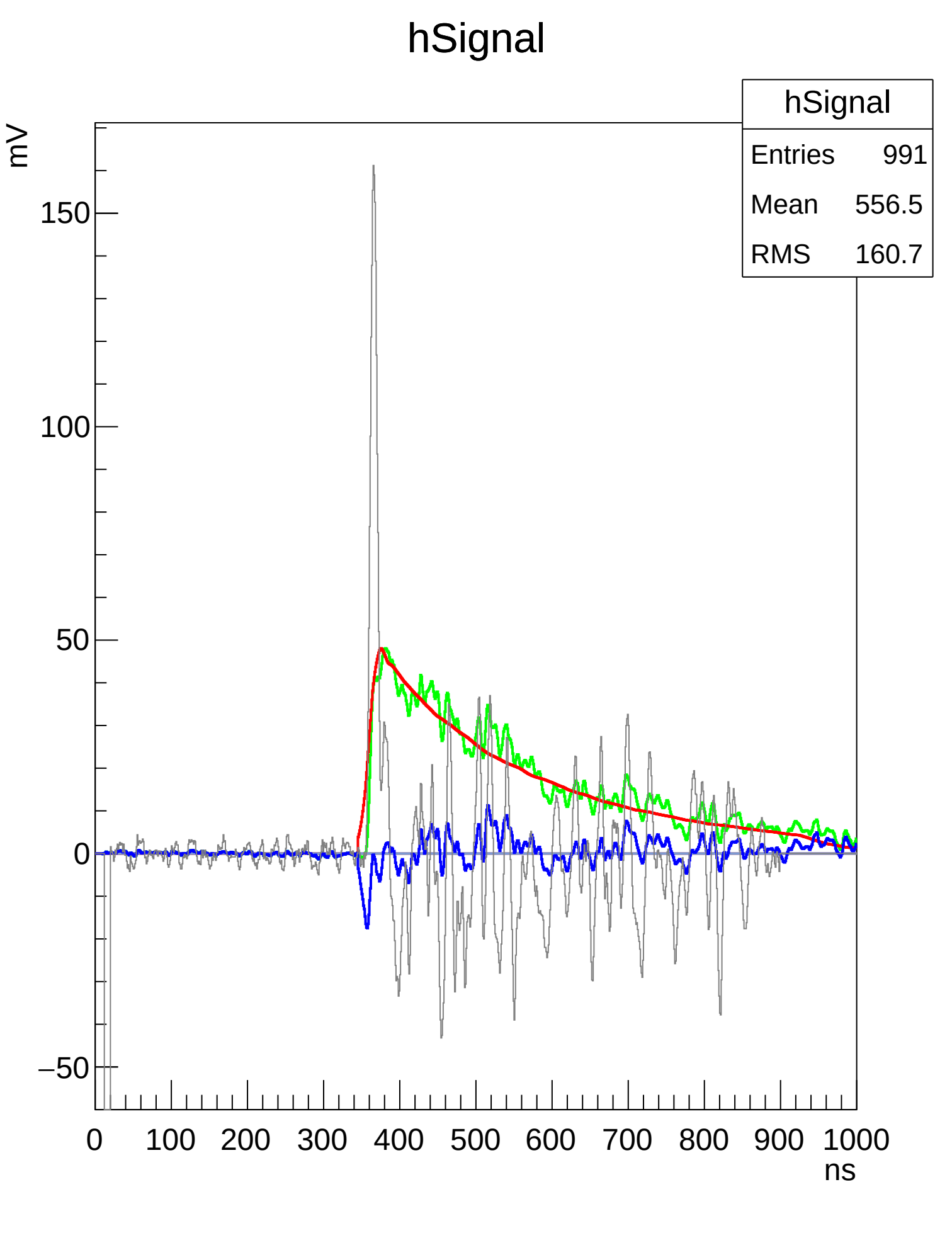
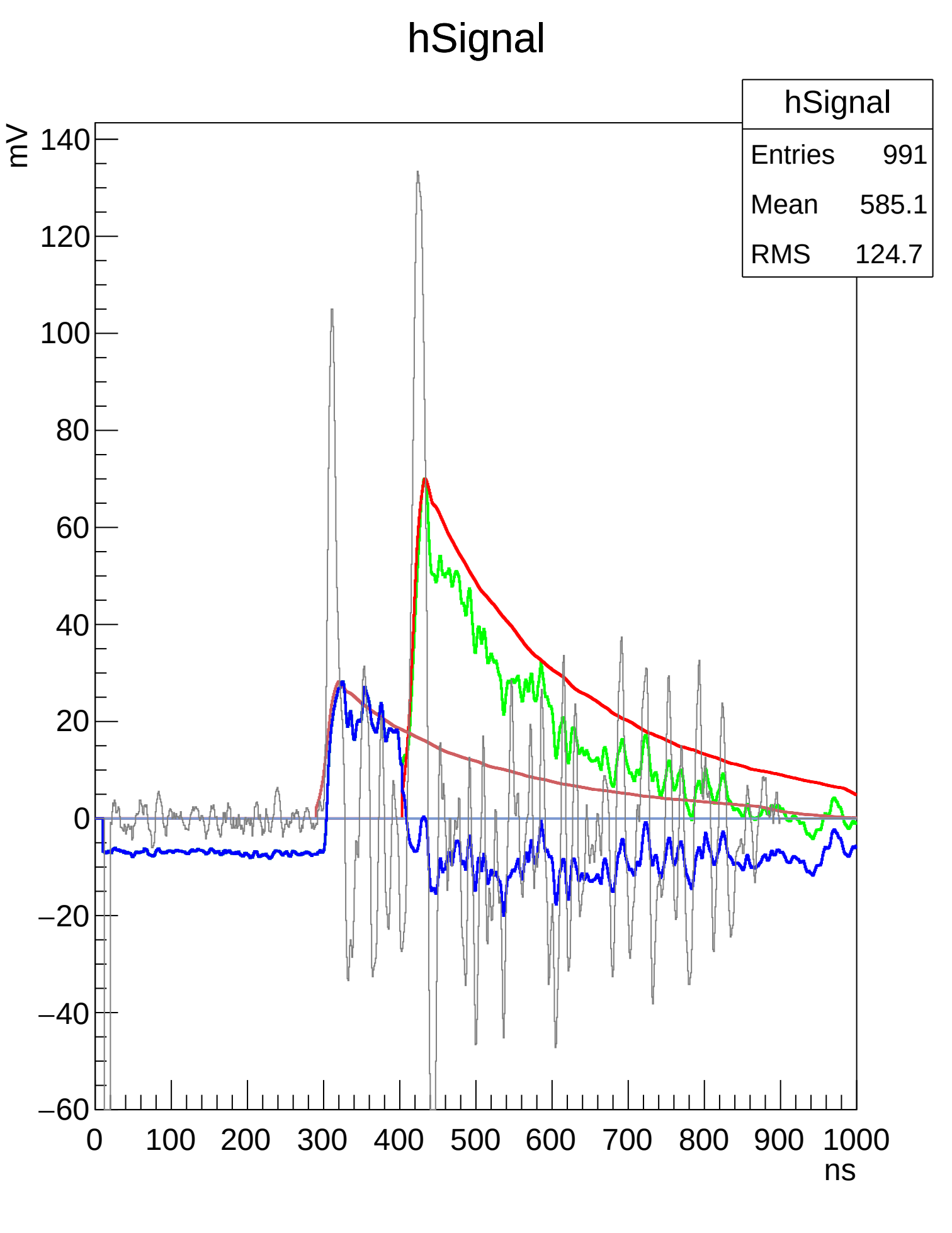
600
700
800
900
1000
ns

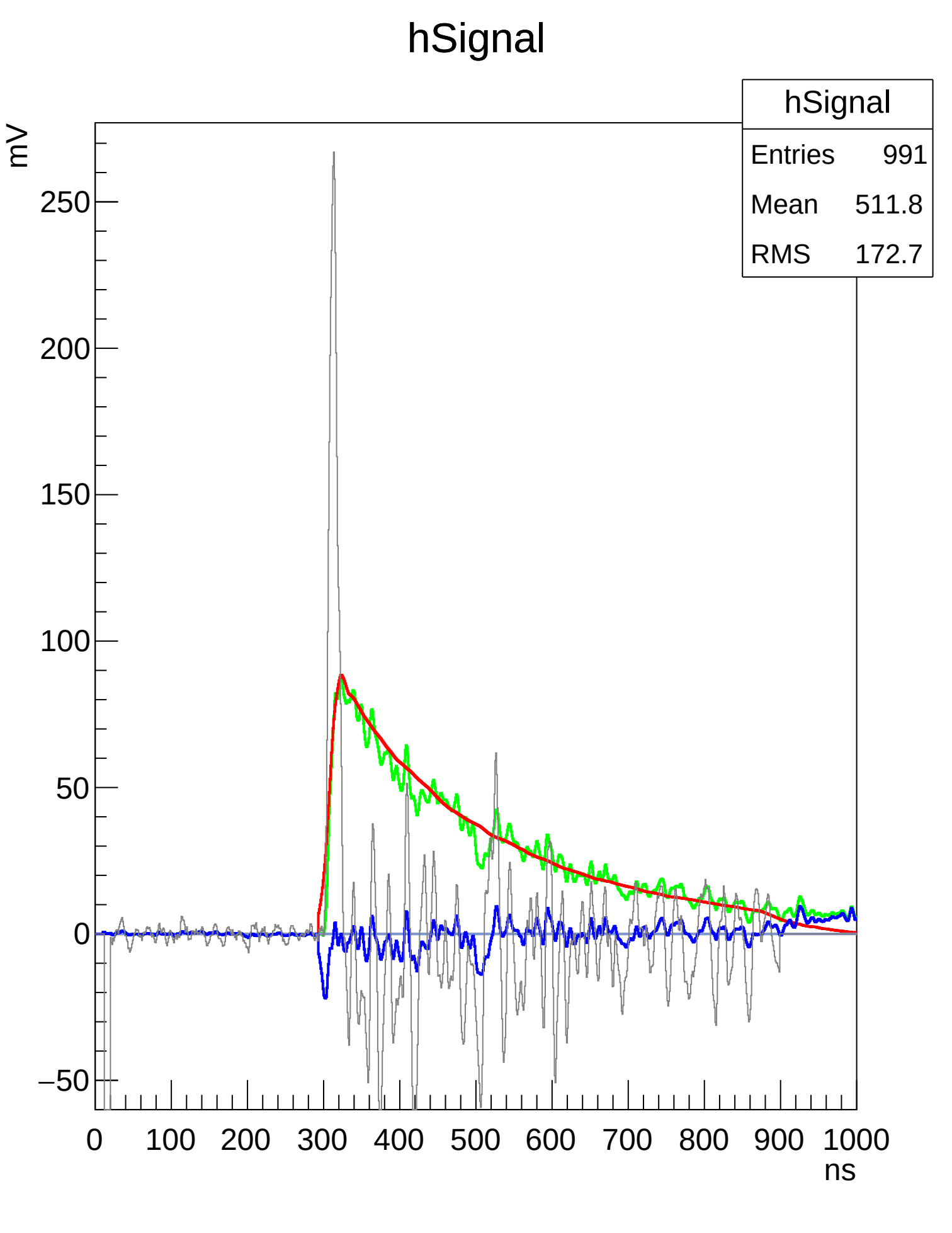

hSignal
hSignal
Entries 991
Mean 601
RMS 83.33
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.3
RMS 121.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.3
RMS 163.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.5
RMS 160.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.1
RMS 124.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.8
RMS 172.7
mV
250
200
150
100
50
0
−50
0
100
200
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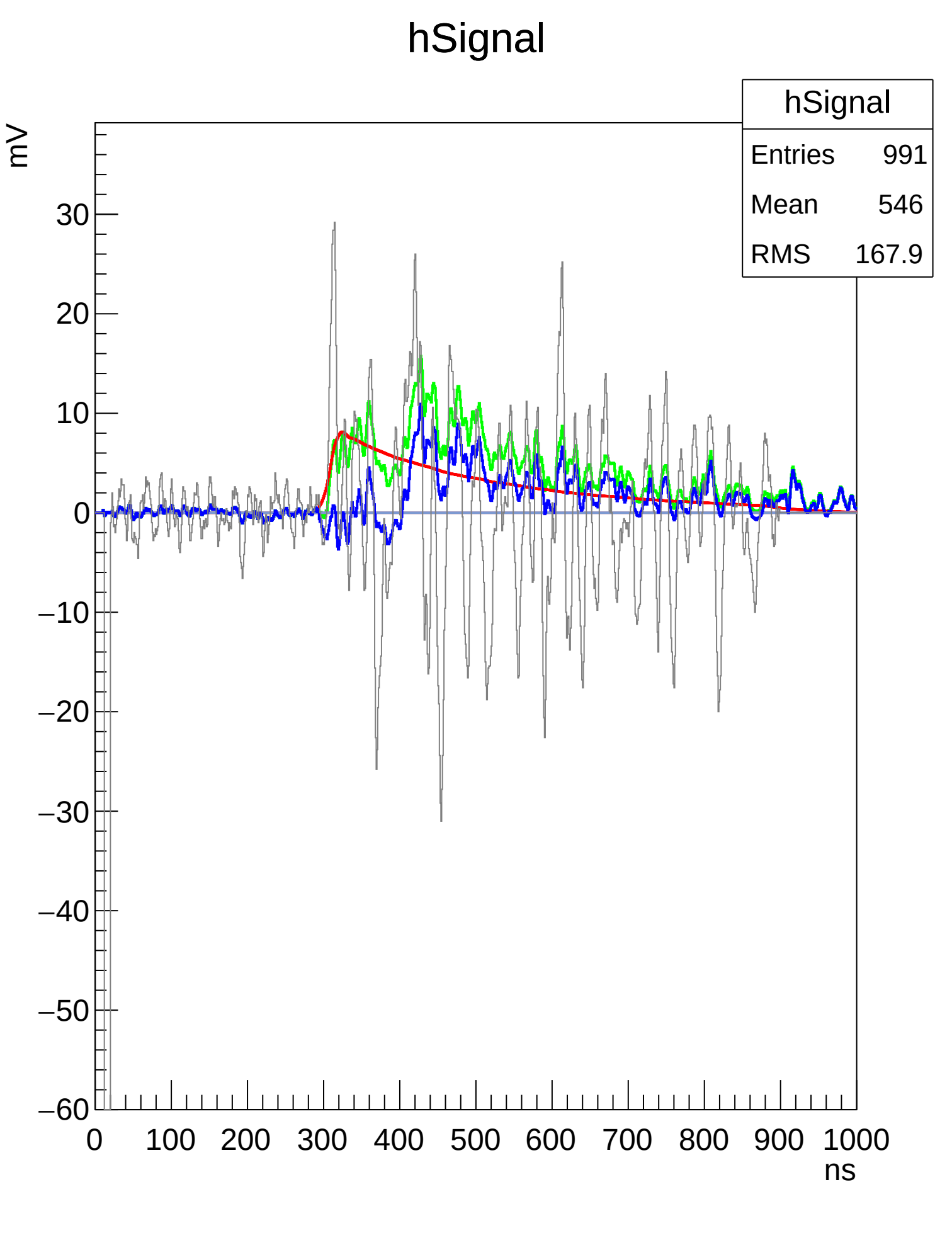
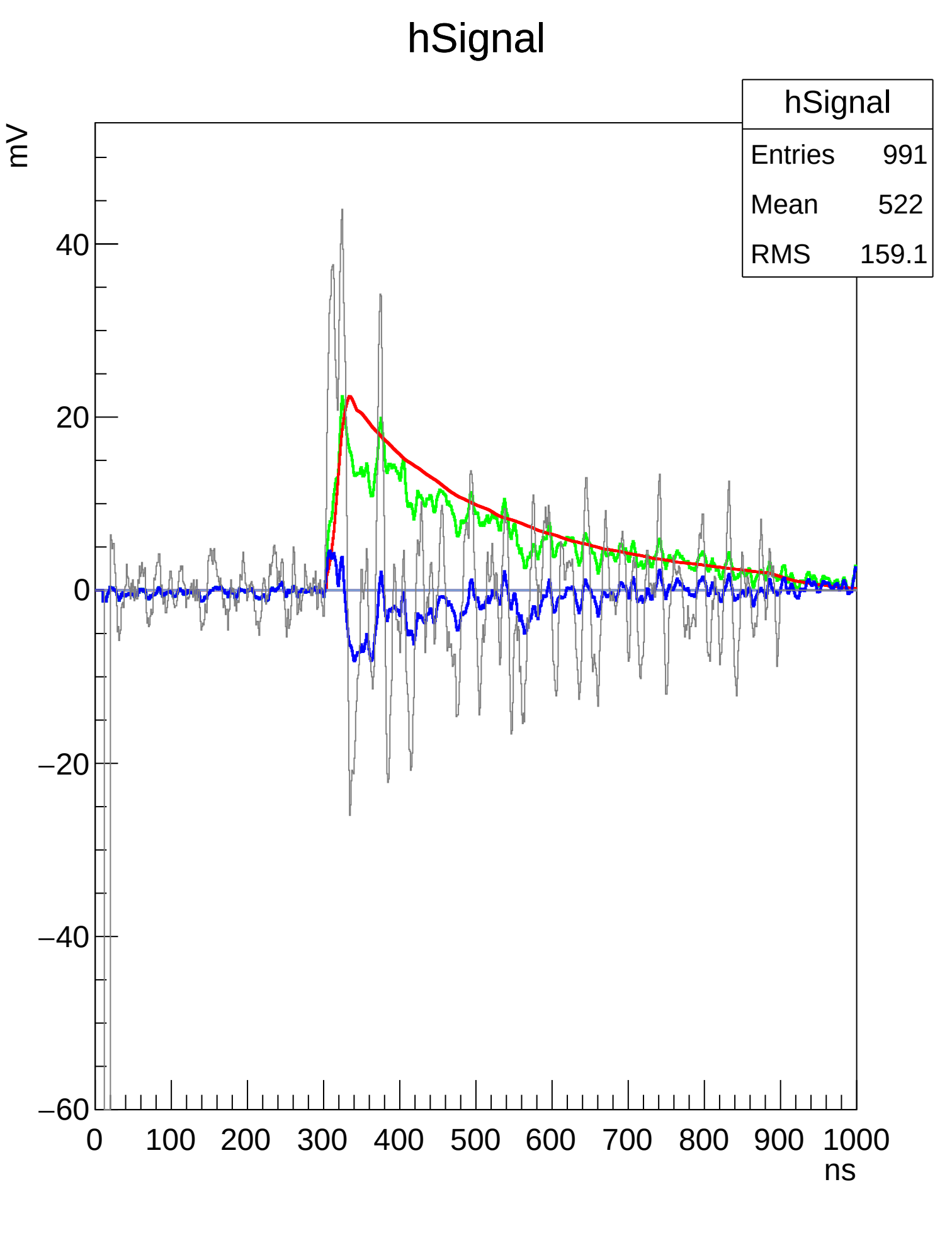
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546
RMS 167.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522
RMS 159.1
mV
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−20
−40
−60
0
100
200
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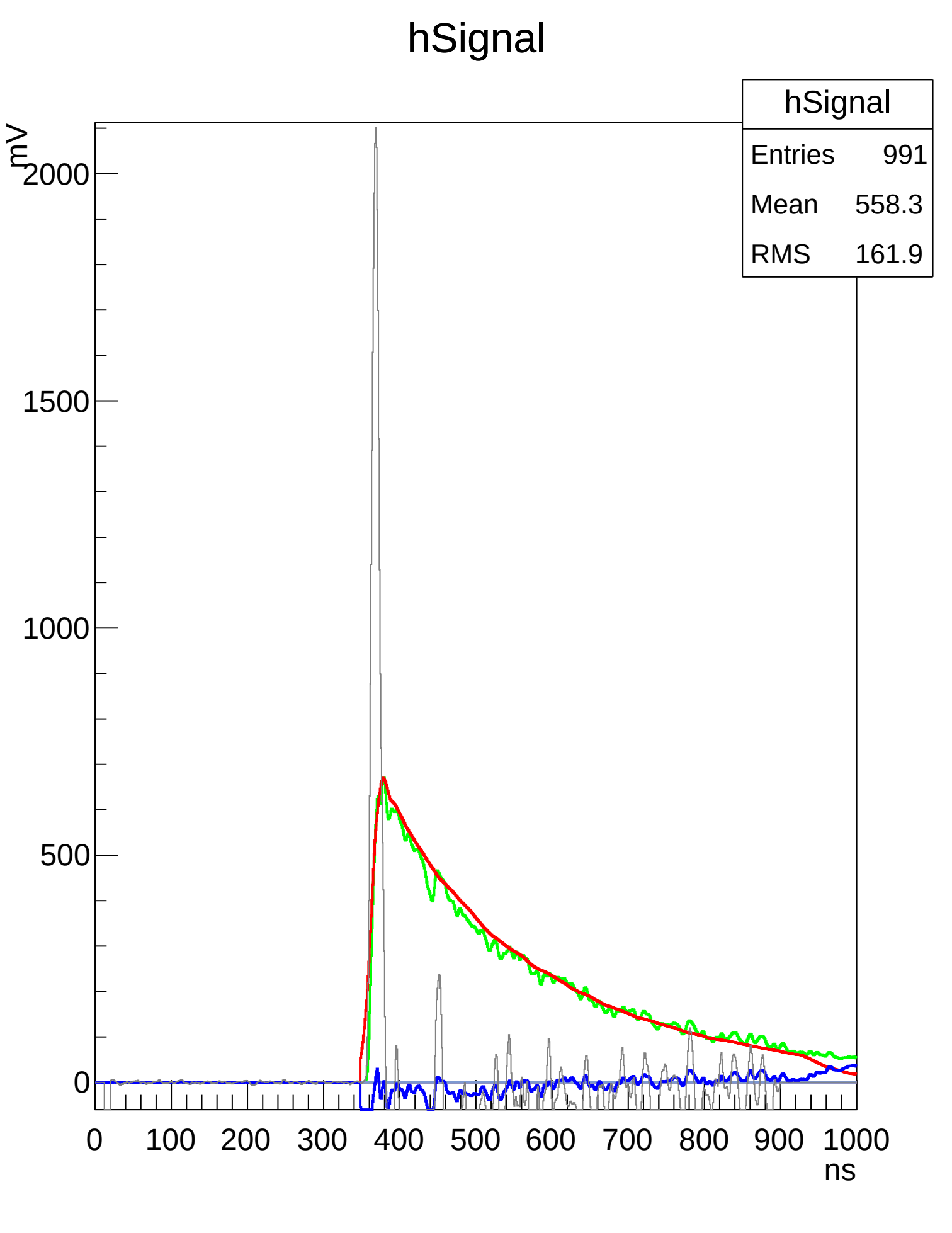
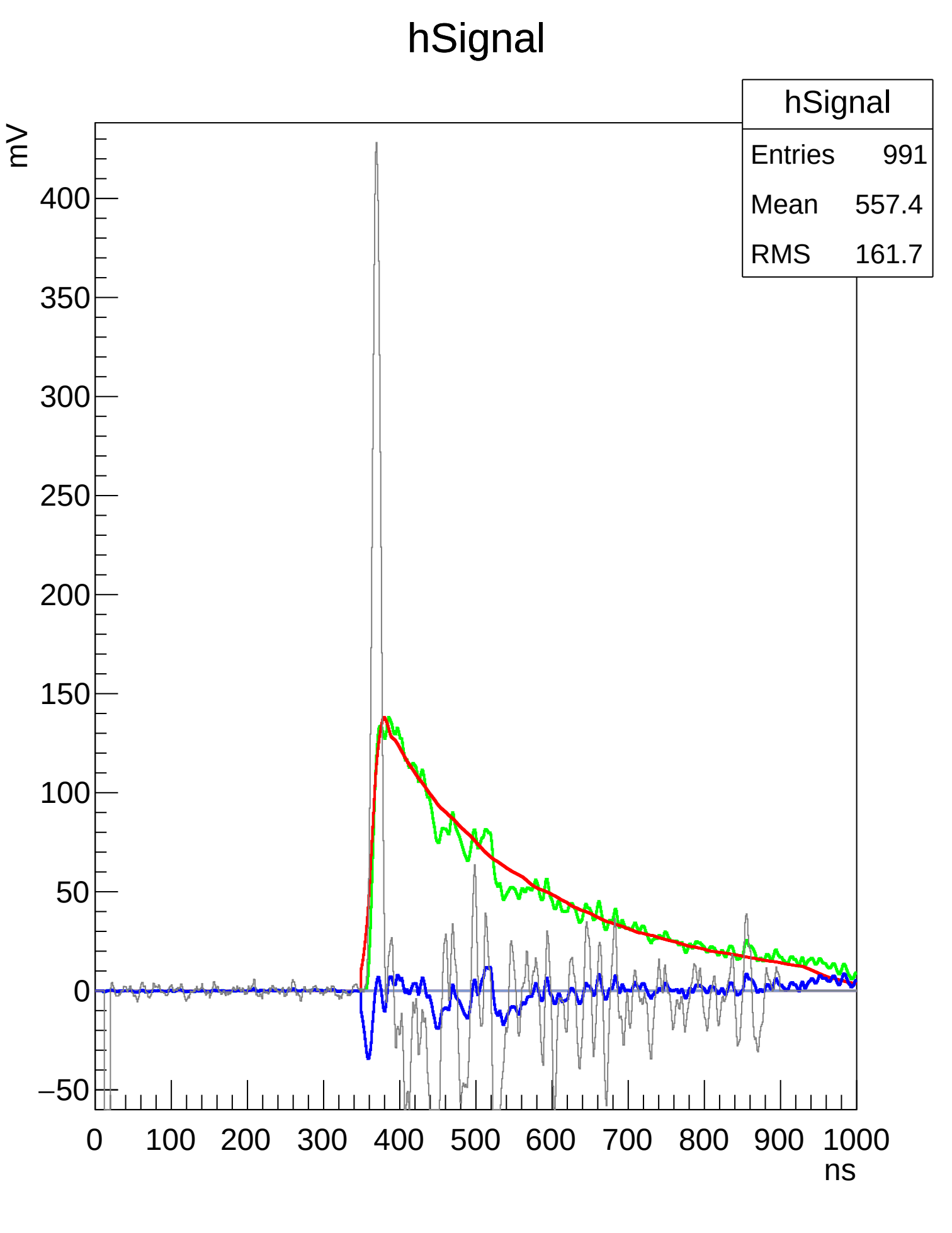
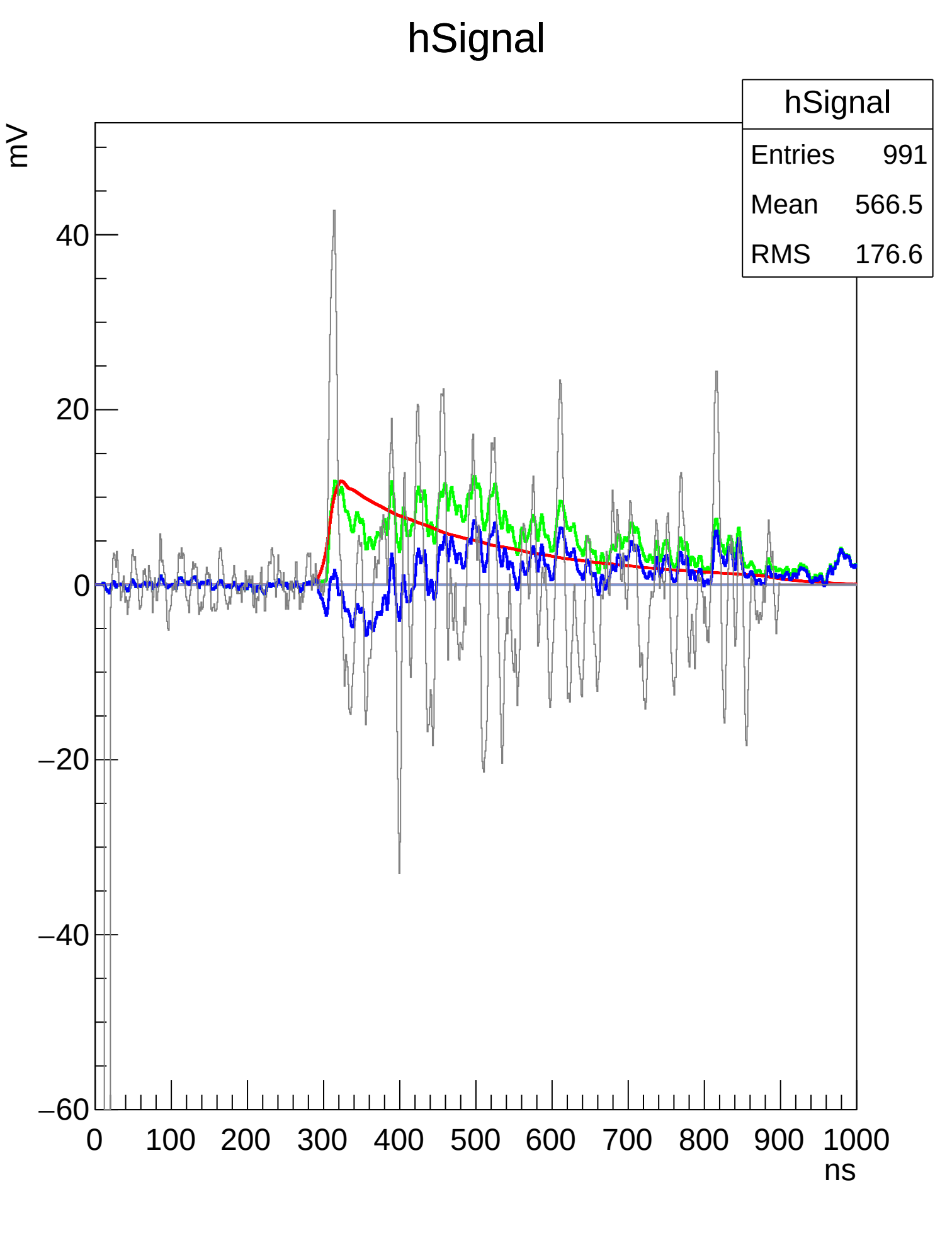
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.3
RMS 161.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.4
RMS 161.7
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.5
RMS 176.6
mV
40
20
0
−20
−40
−60
0
100
200
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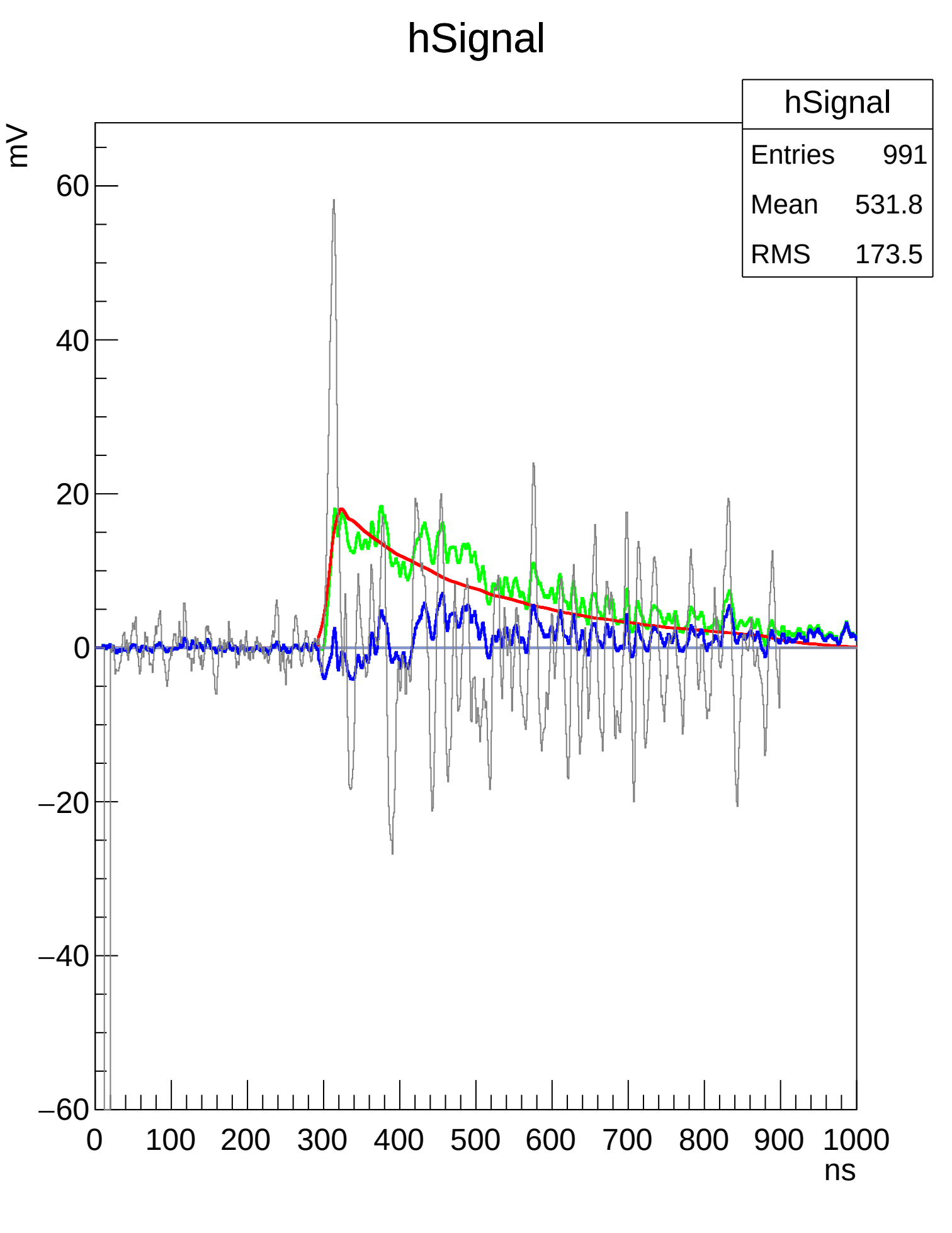
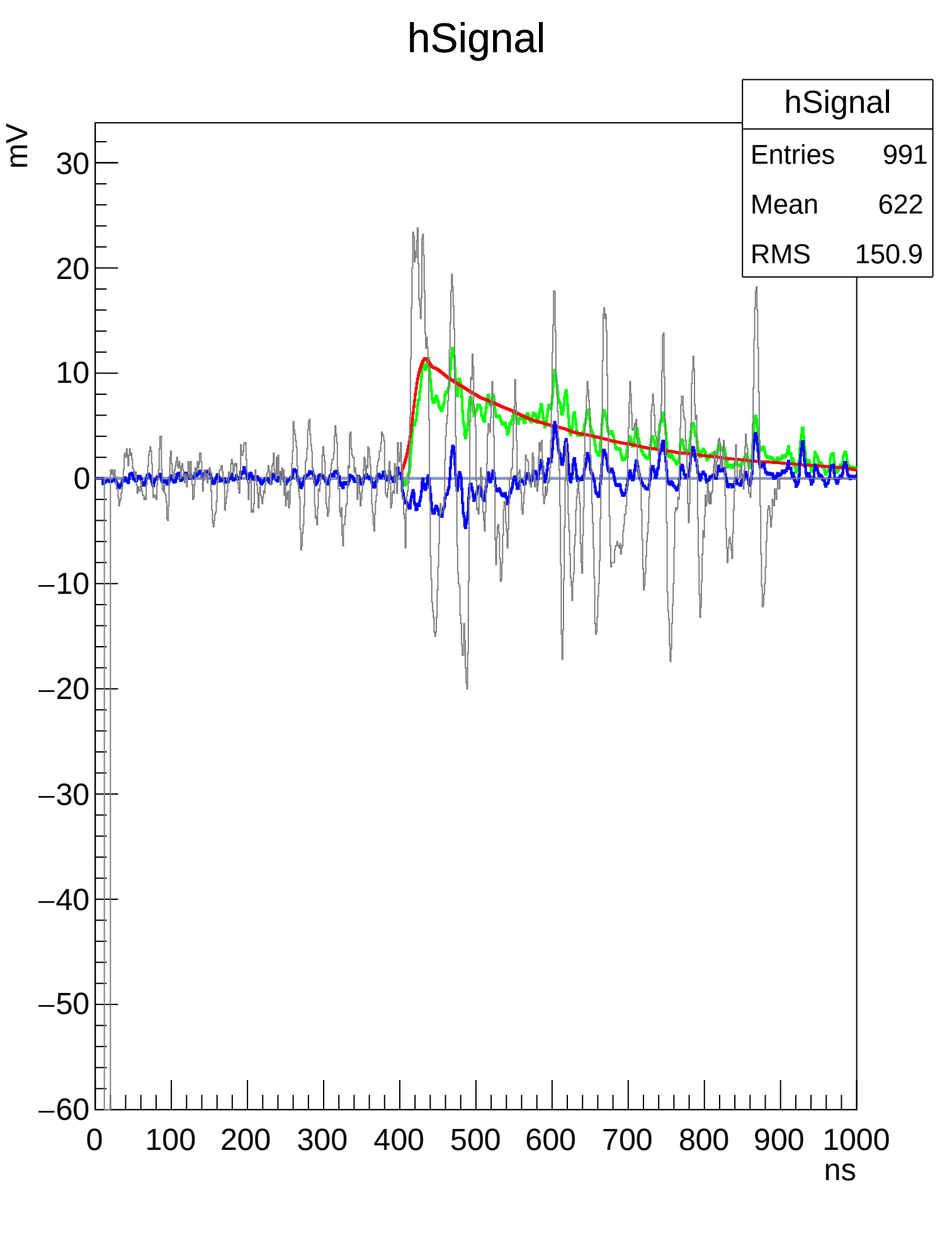
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.8
RMS 173.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622
RMS 150.9
mV
30
20
10
0
−10
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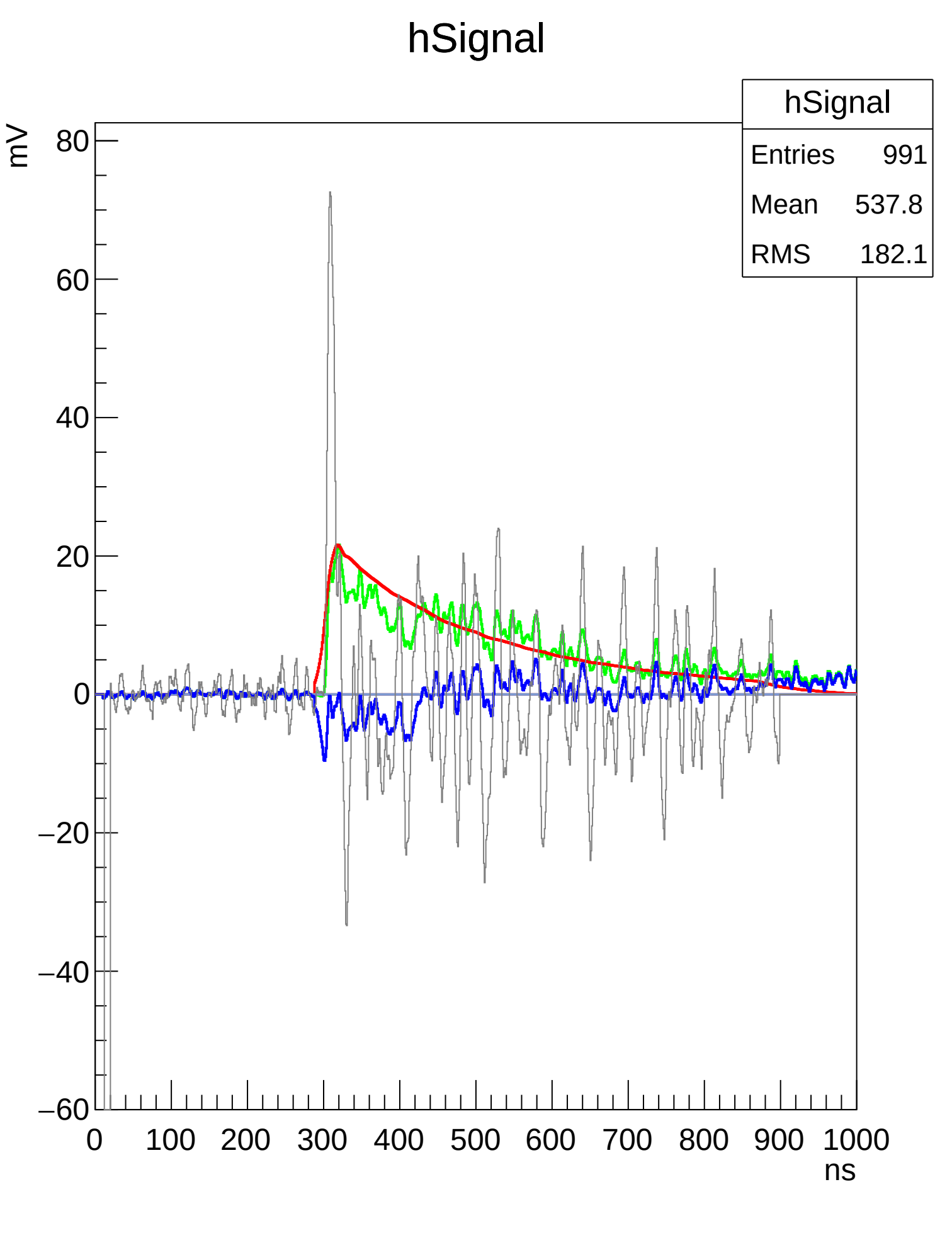
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.8
RMS 182.1
mV
80
60
40
20
0
−20
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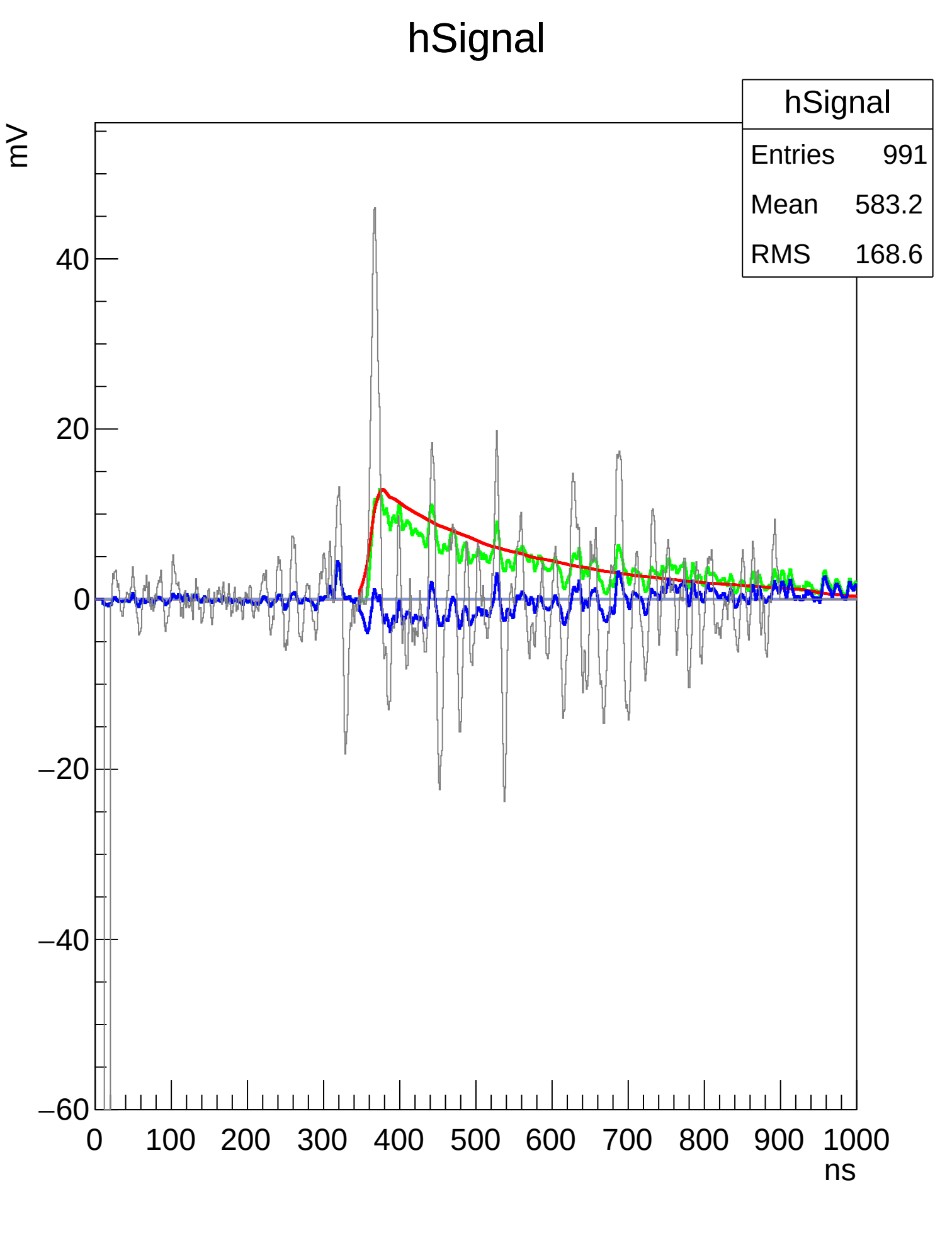
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.2
RMS 168.6
mV
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20
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−20
−40
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0
100
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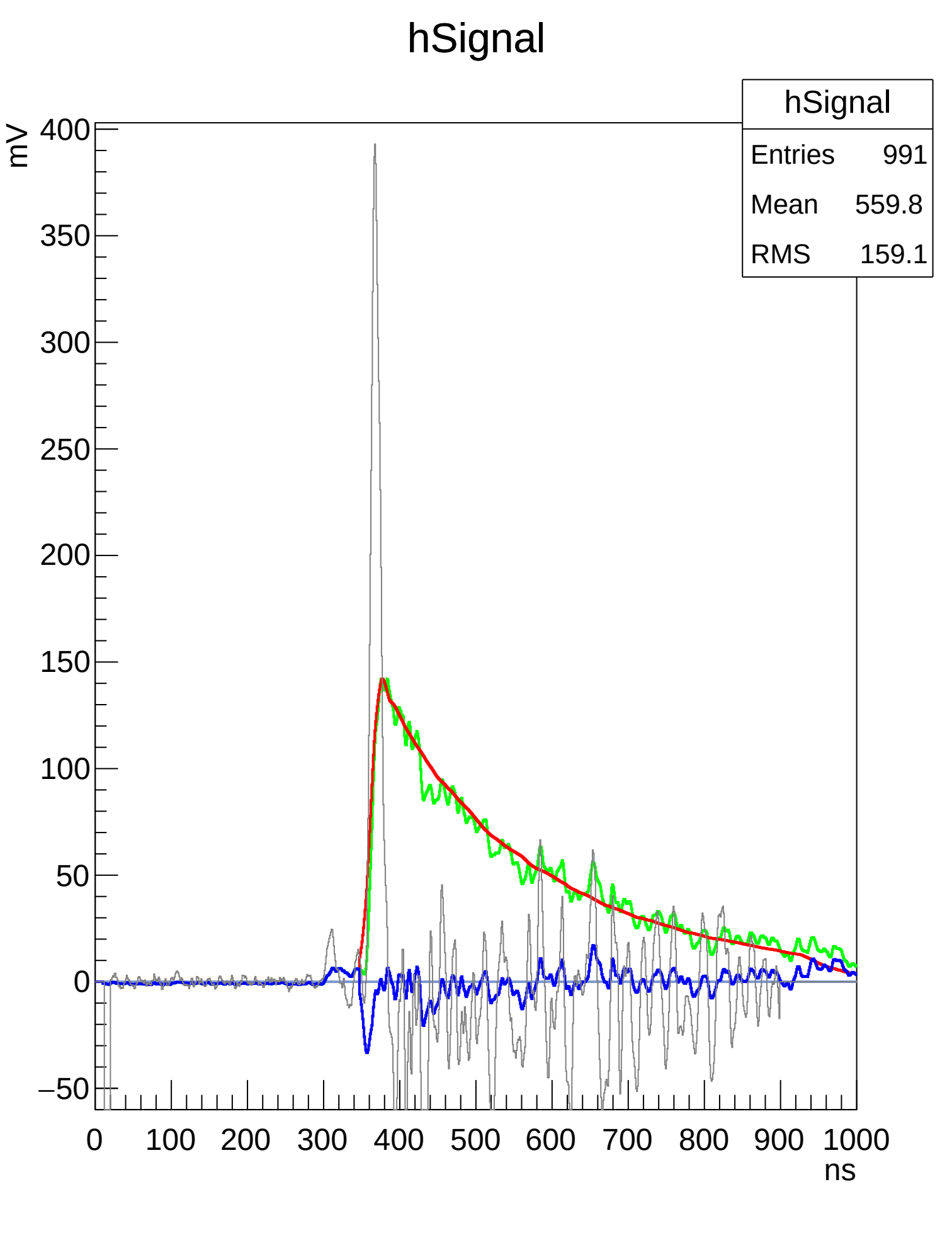
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.8
RMS 159.1
mV
400
350
300
250
200
150
100
50
0
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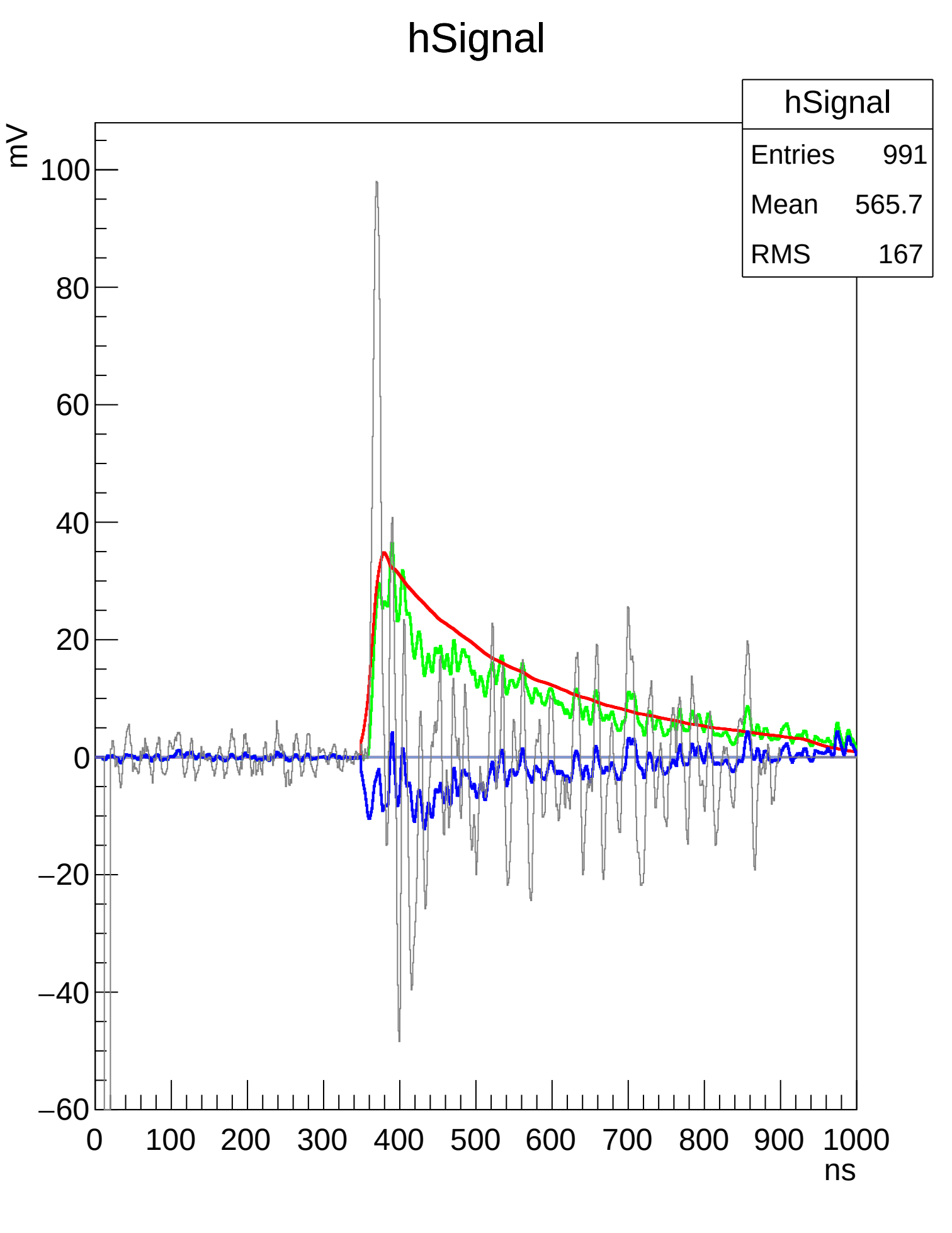
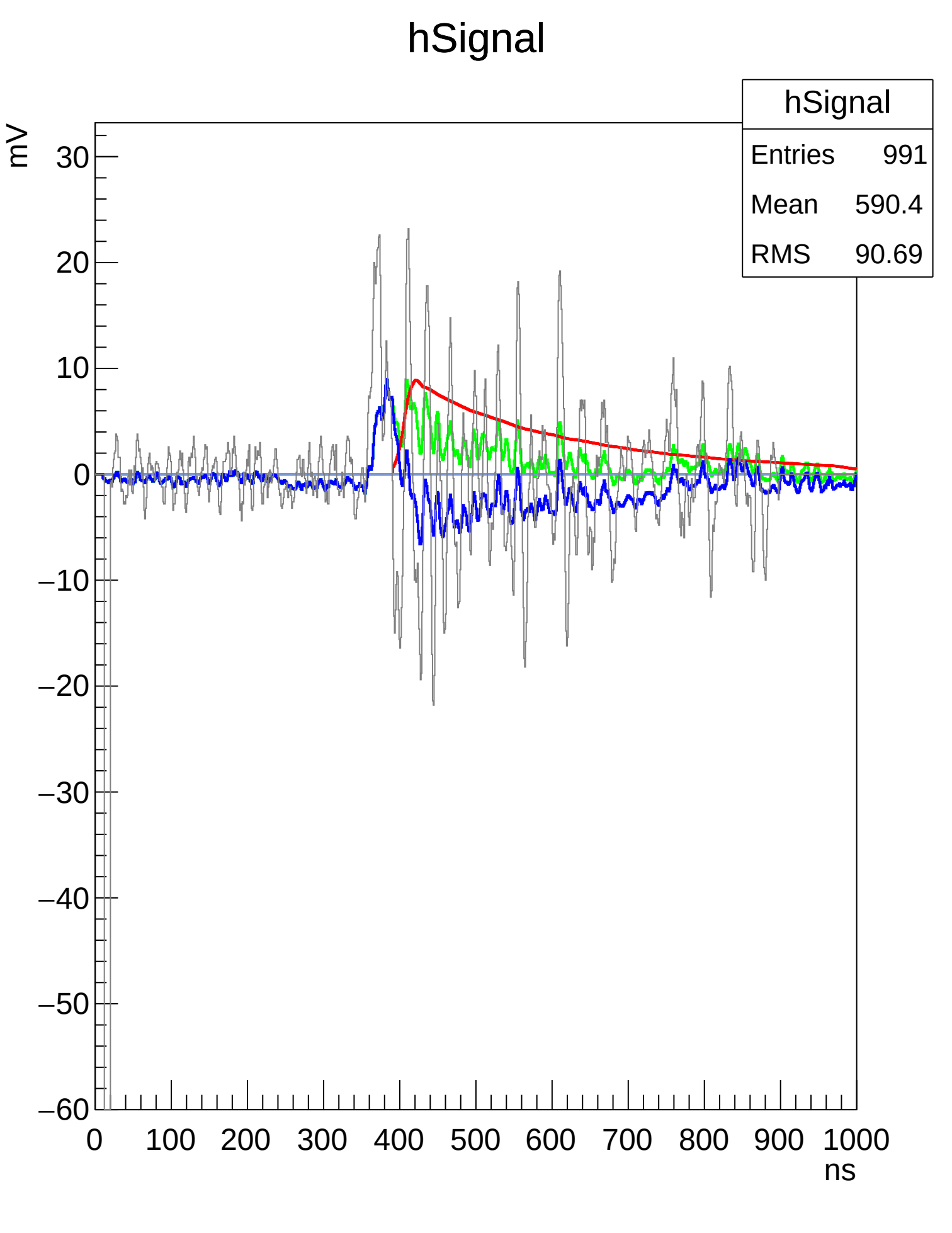
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.7
RMS 167
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.4
RMS 90.69
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
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400
500
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800
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1000
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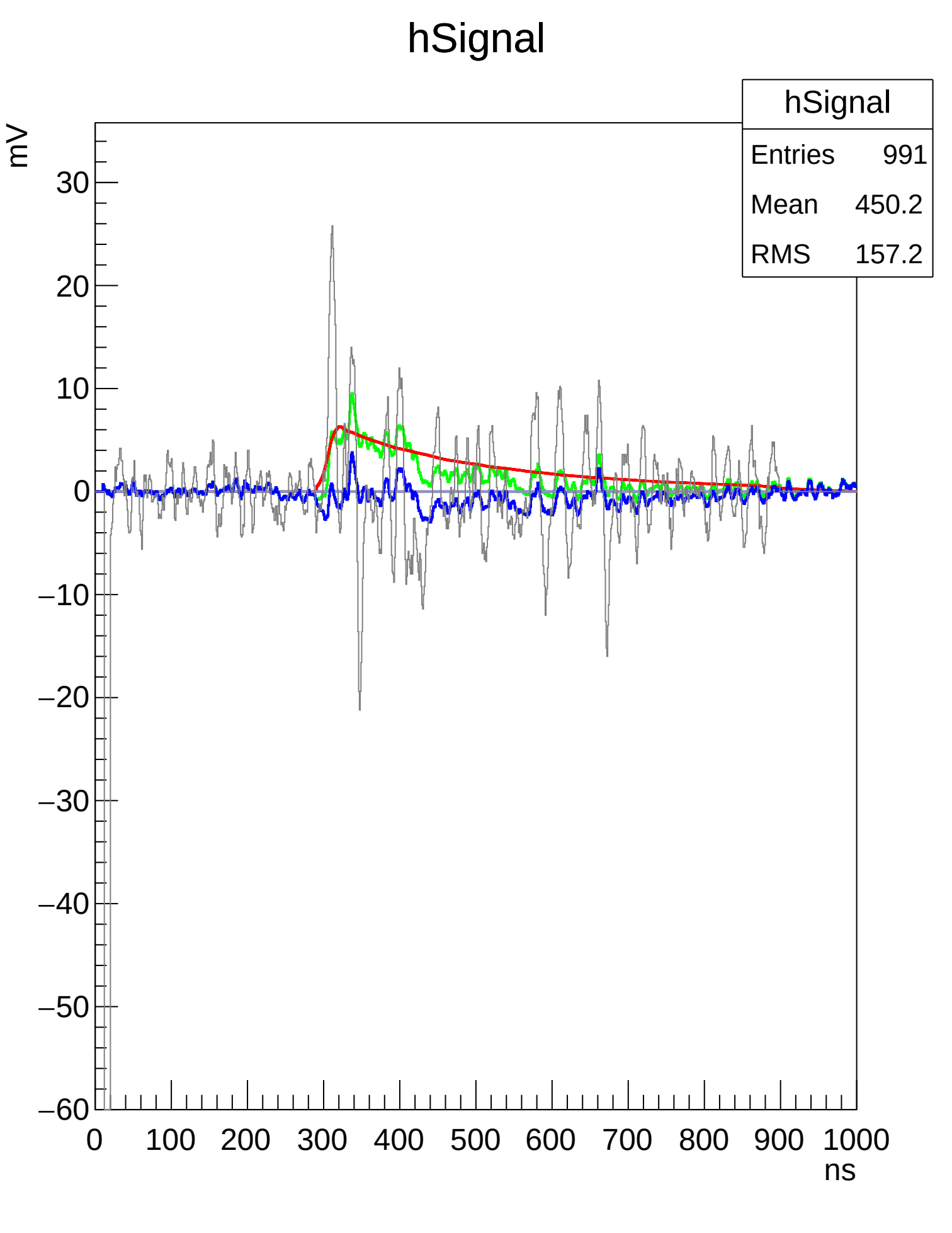
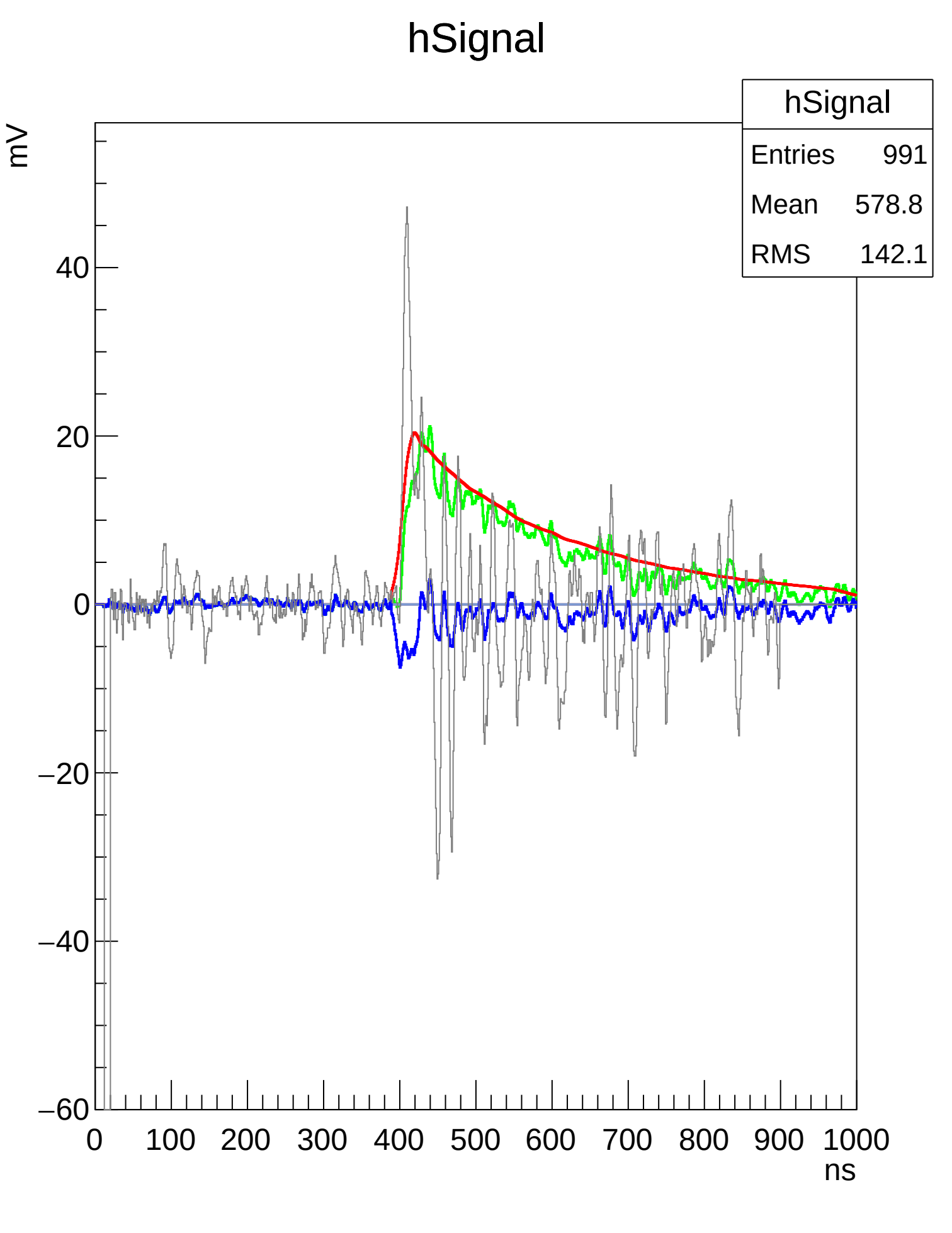

hSignal
hSignal
Entries 991
Mean 450.2
RMS 157.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.8
RMS 142.1
mV
40
20
0
−20
−40
−60
0
100
200
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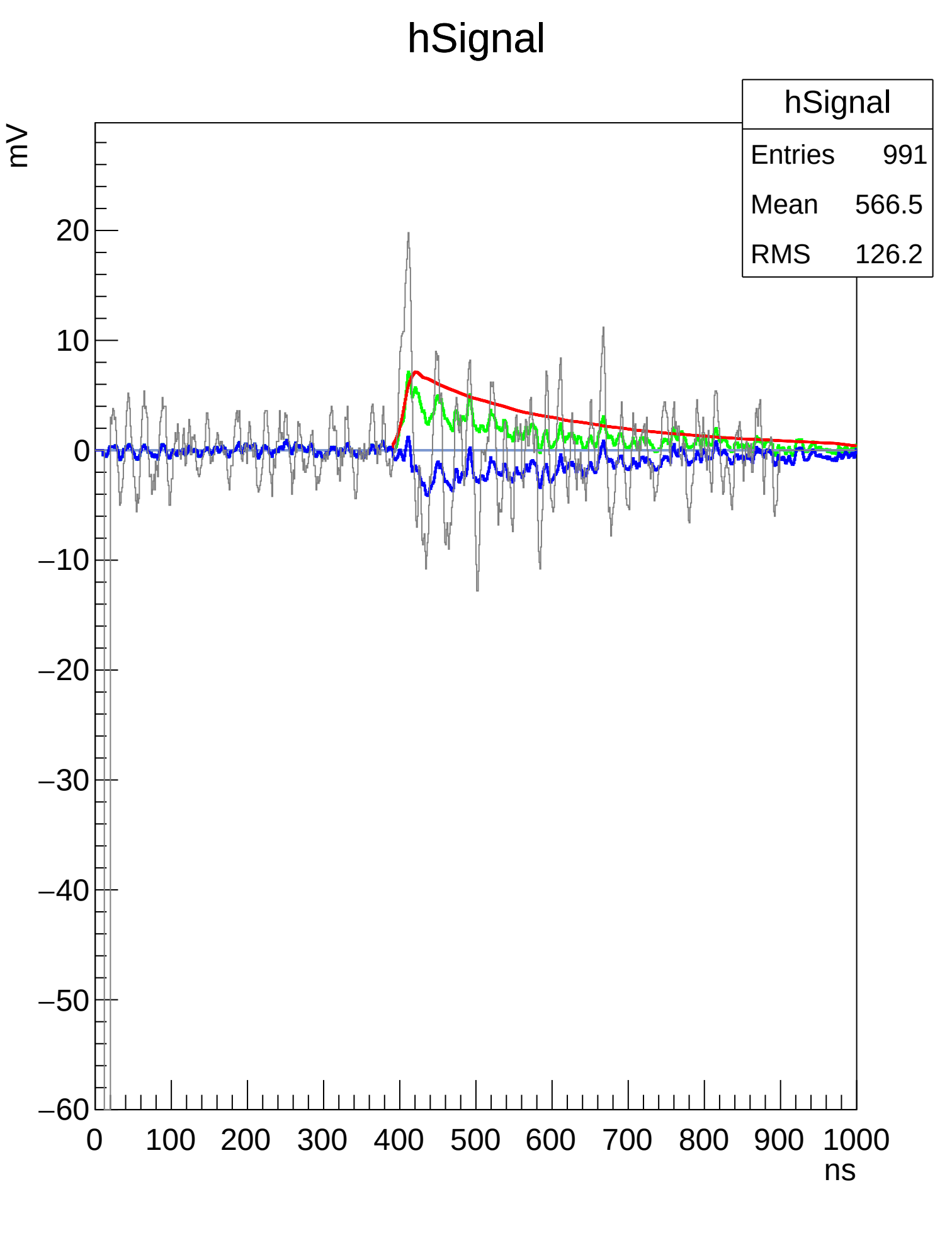
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.5
RMS 126.2
mV
20
10
0
−10
−20
−30
−40
−50
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0
100
200
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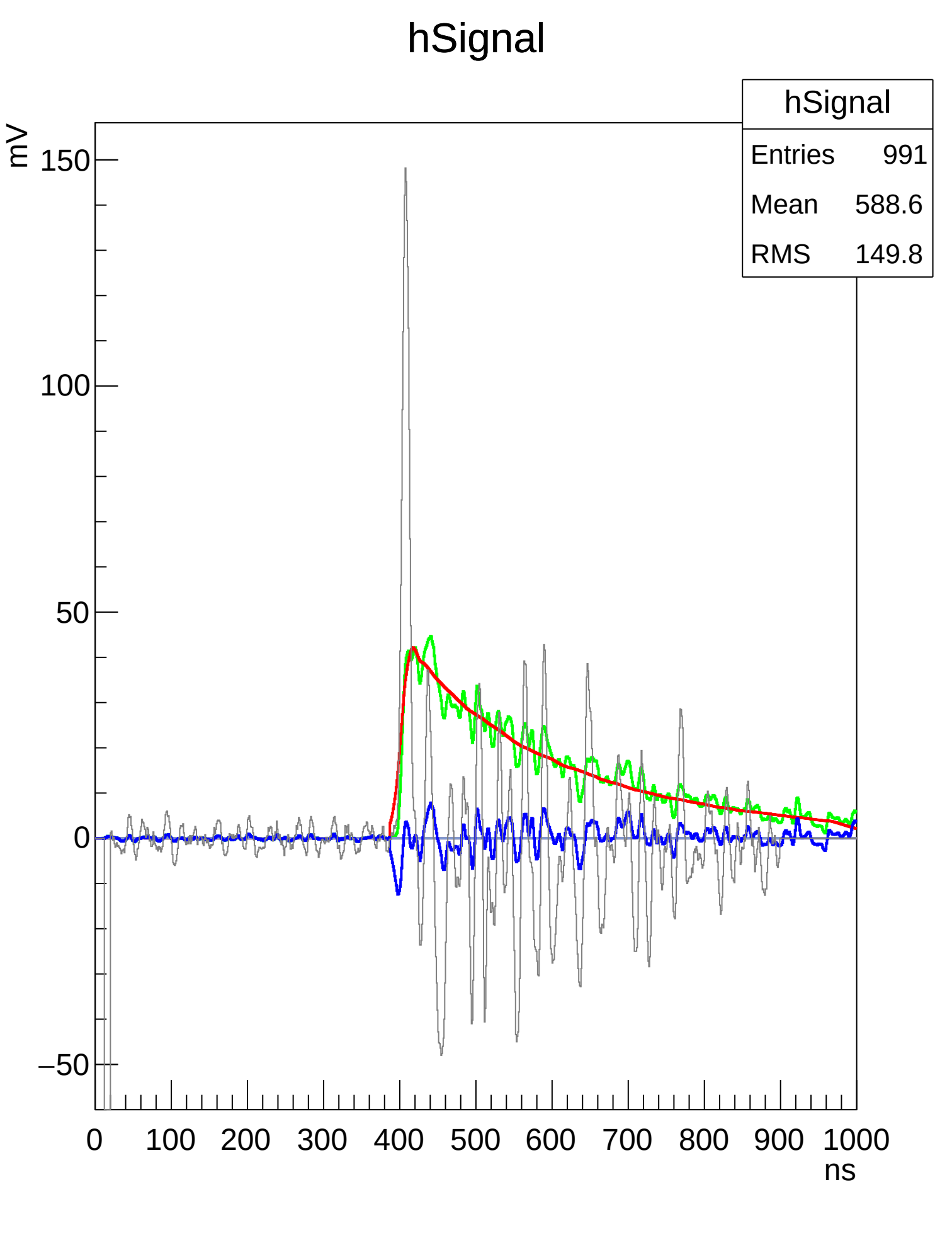
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.6
RMS 149.8
mV
150
100
50
0
−50
0
100
200
300
400
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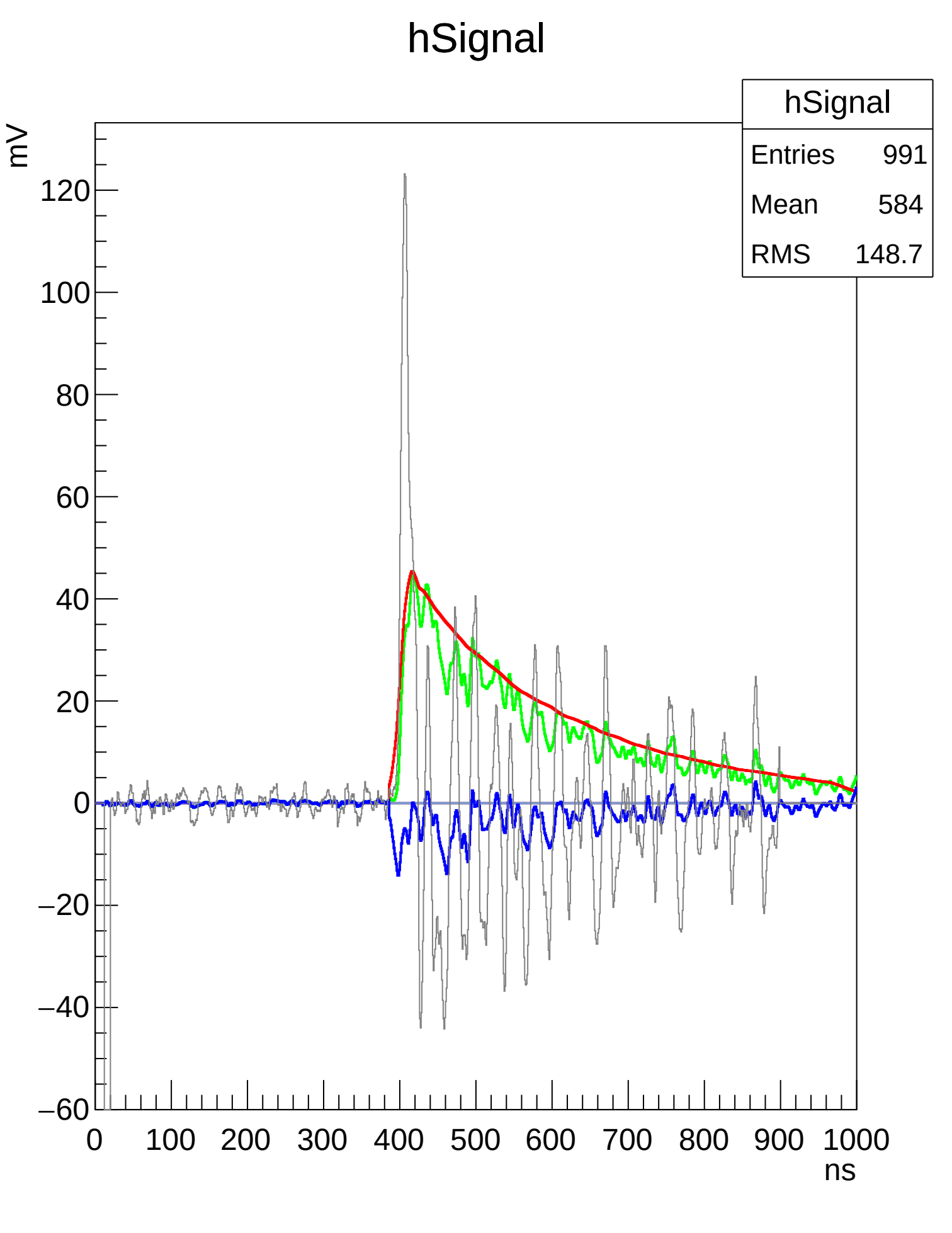
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584
RMS 148.7
mV
120
100
80
60
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−20
−40
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400
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600
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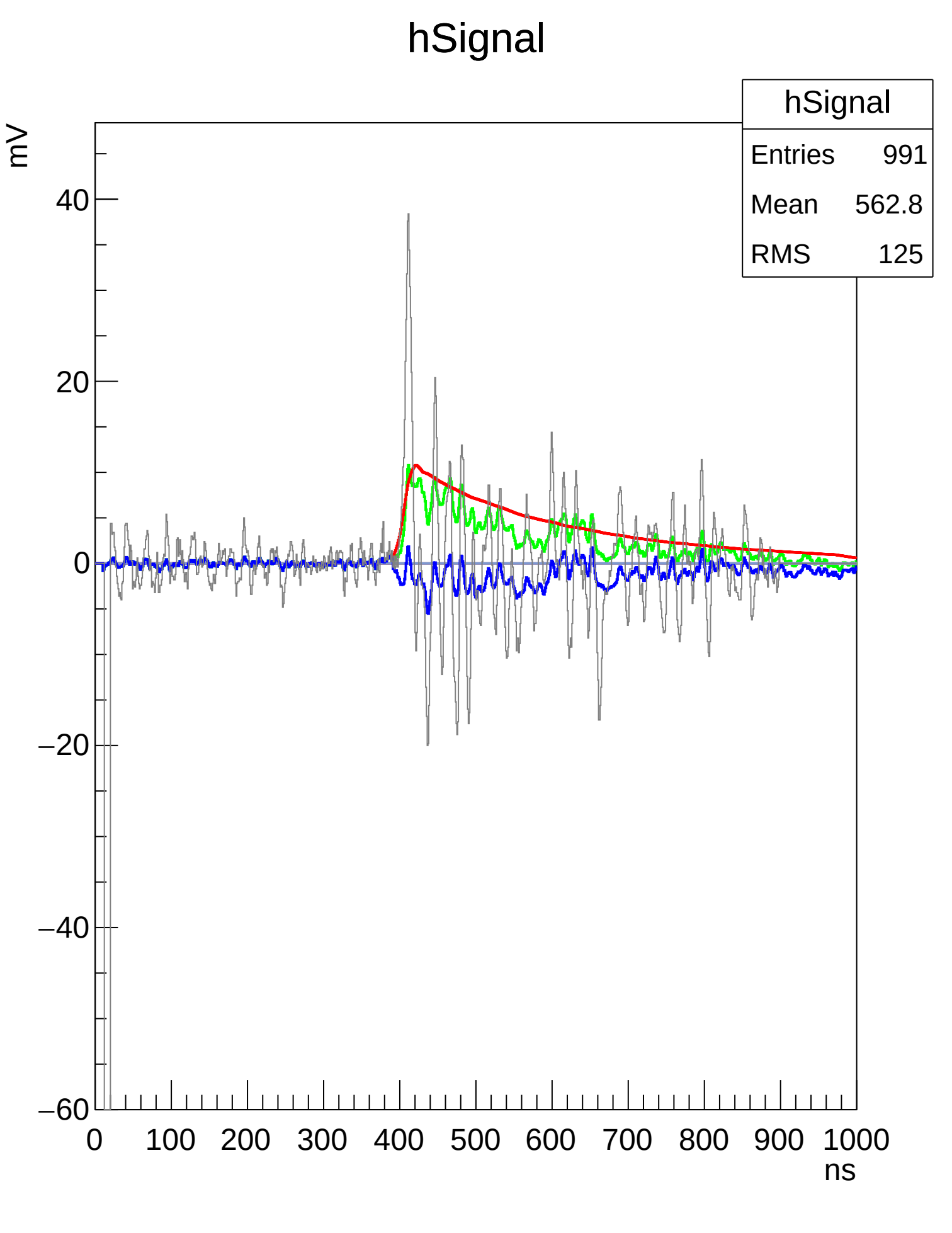
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.8
RMS 125
mV
40
20
0
−20
−40
−60
0
100
200
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400
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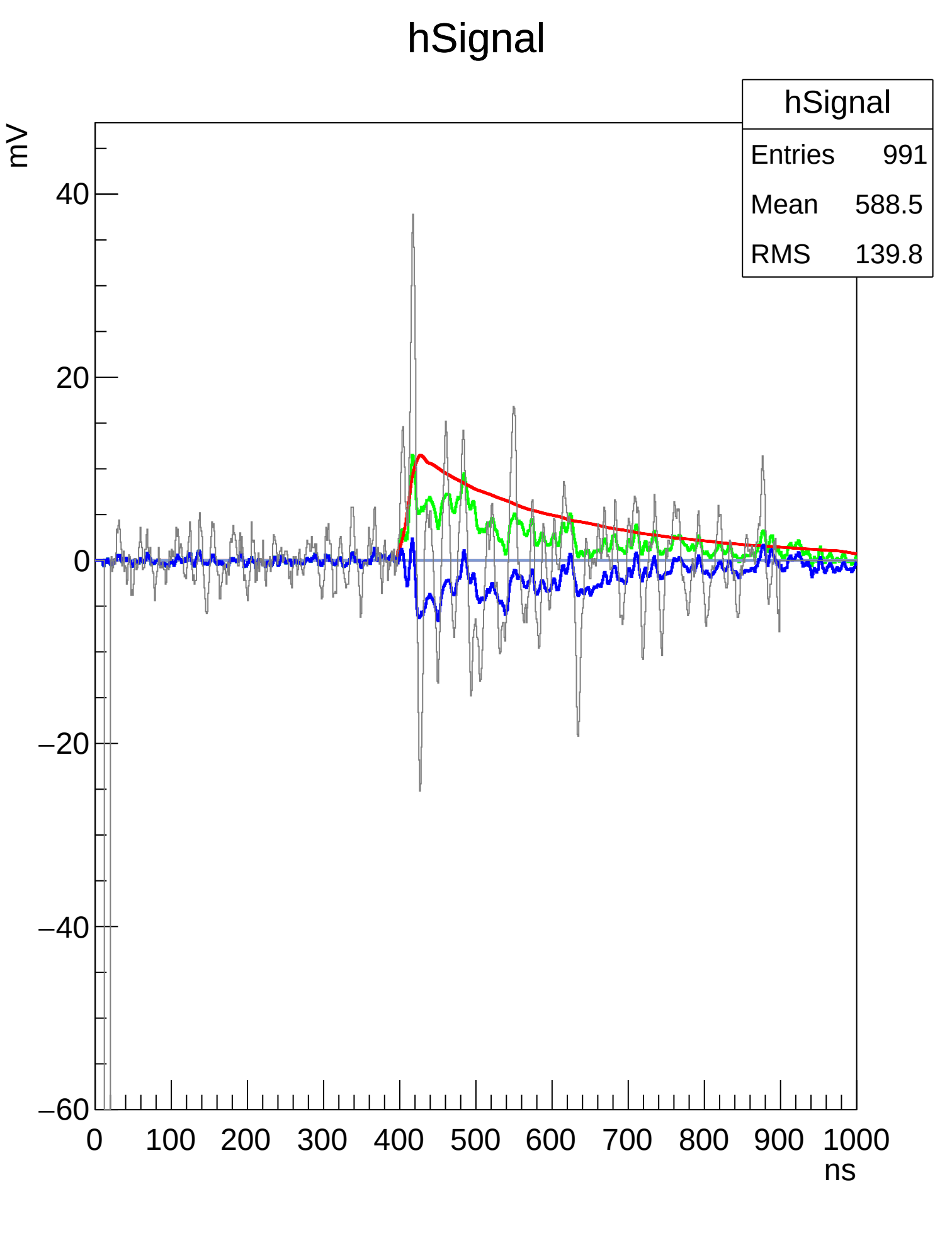
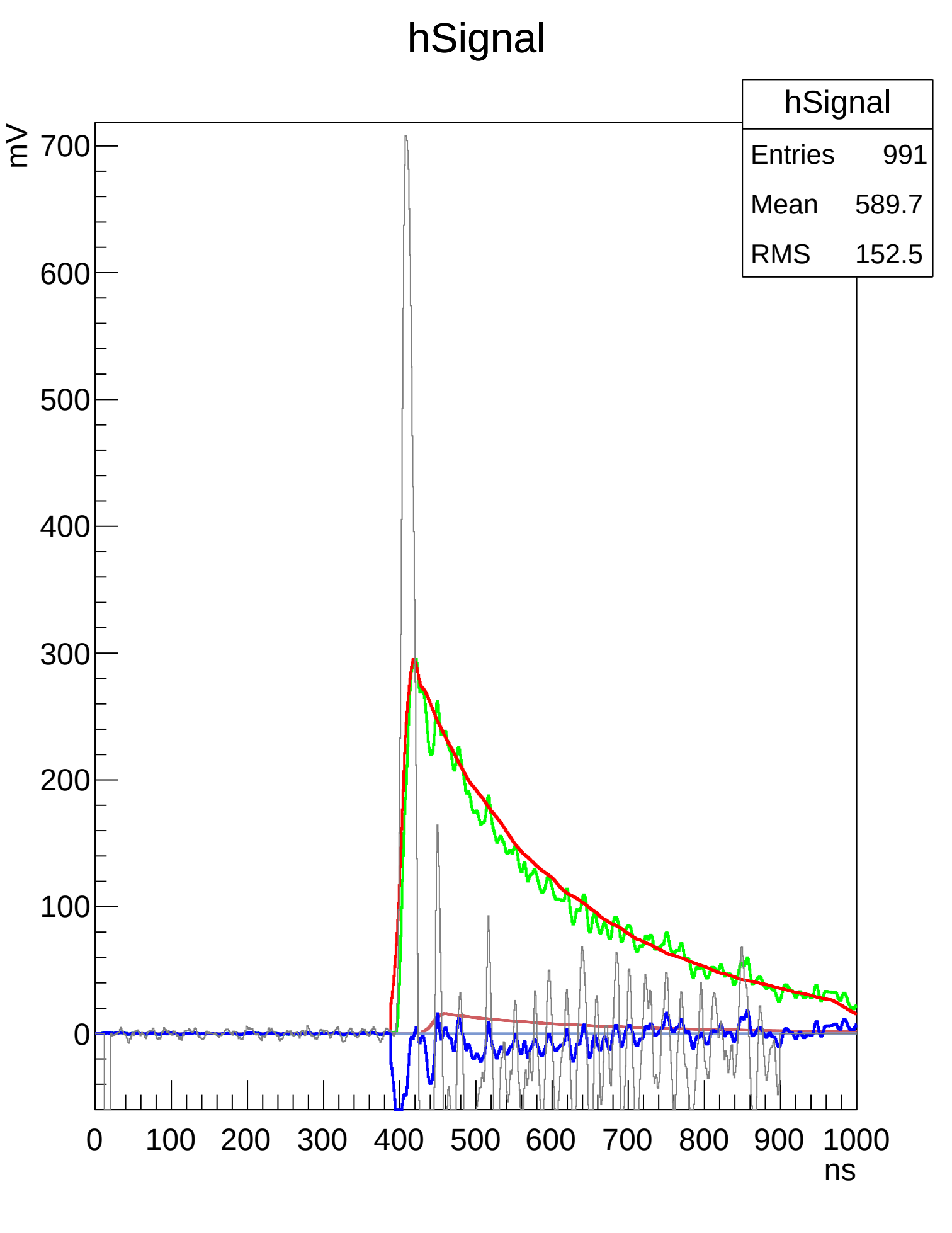
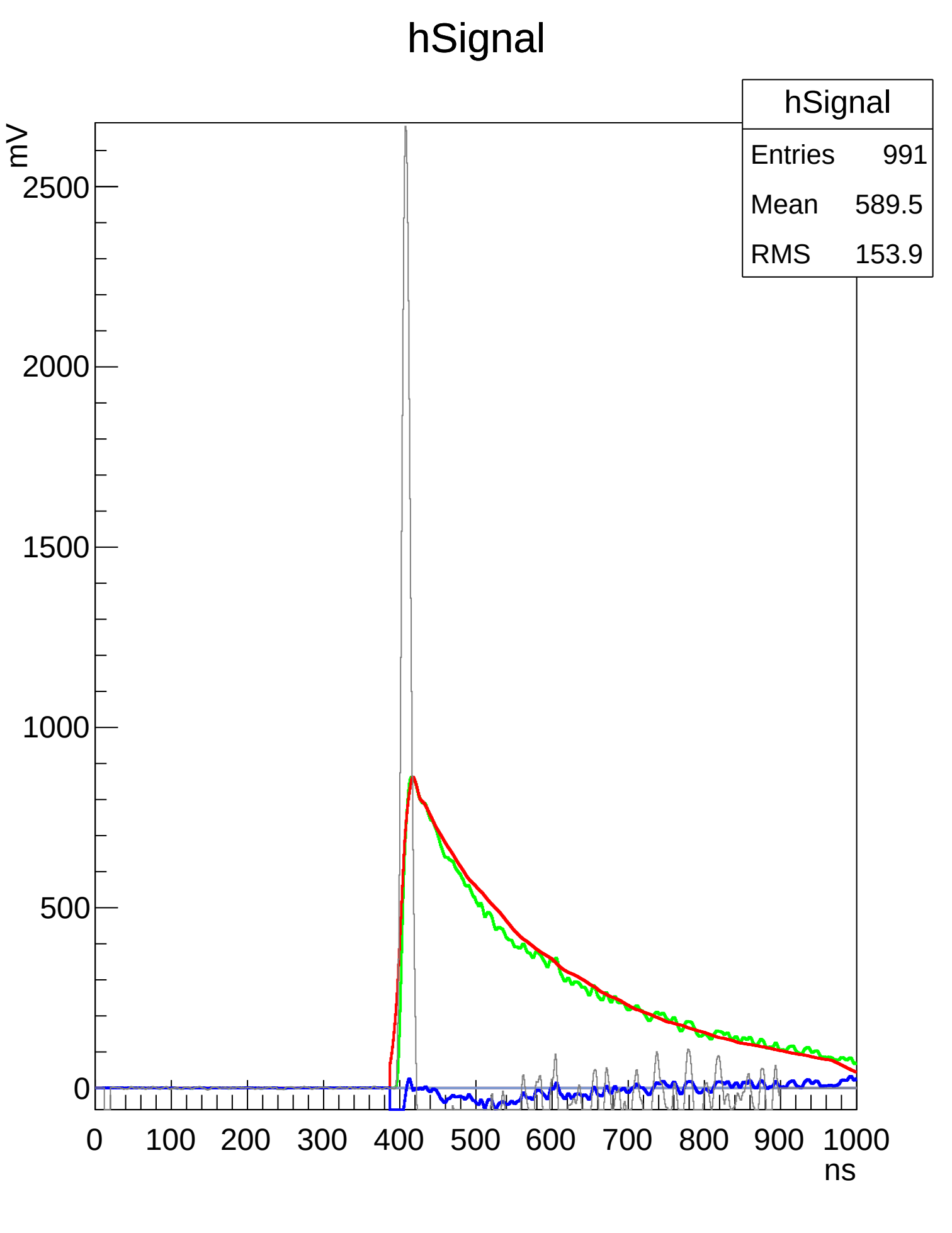
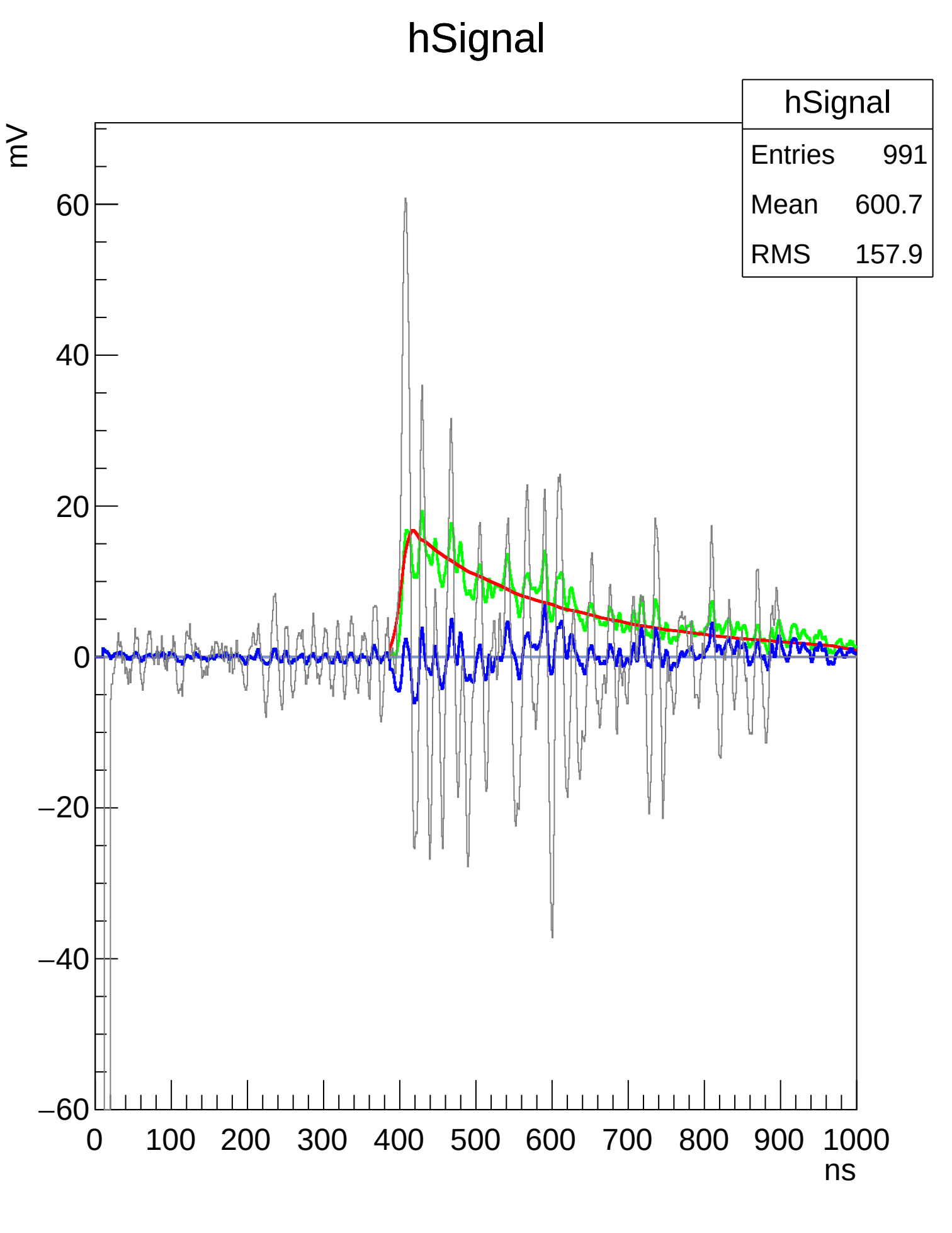
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.5
RMS 139.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.7
RMS 152.5
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.5
RMS 153.9
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 157.9
mV
60
40
20
0
−20
−40
−60
0
100
200
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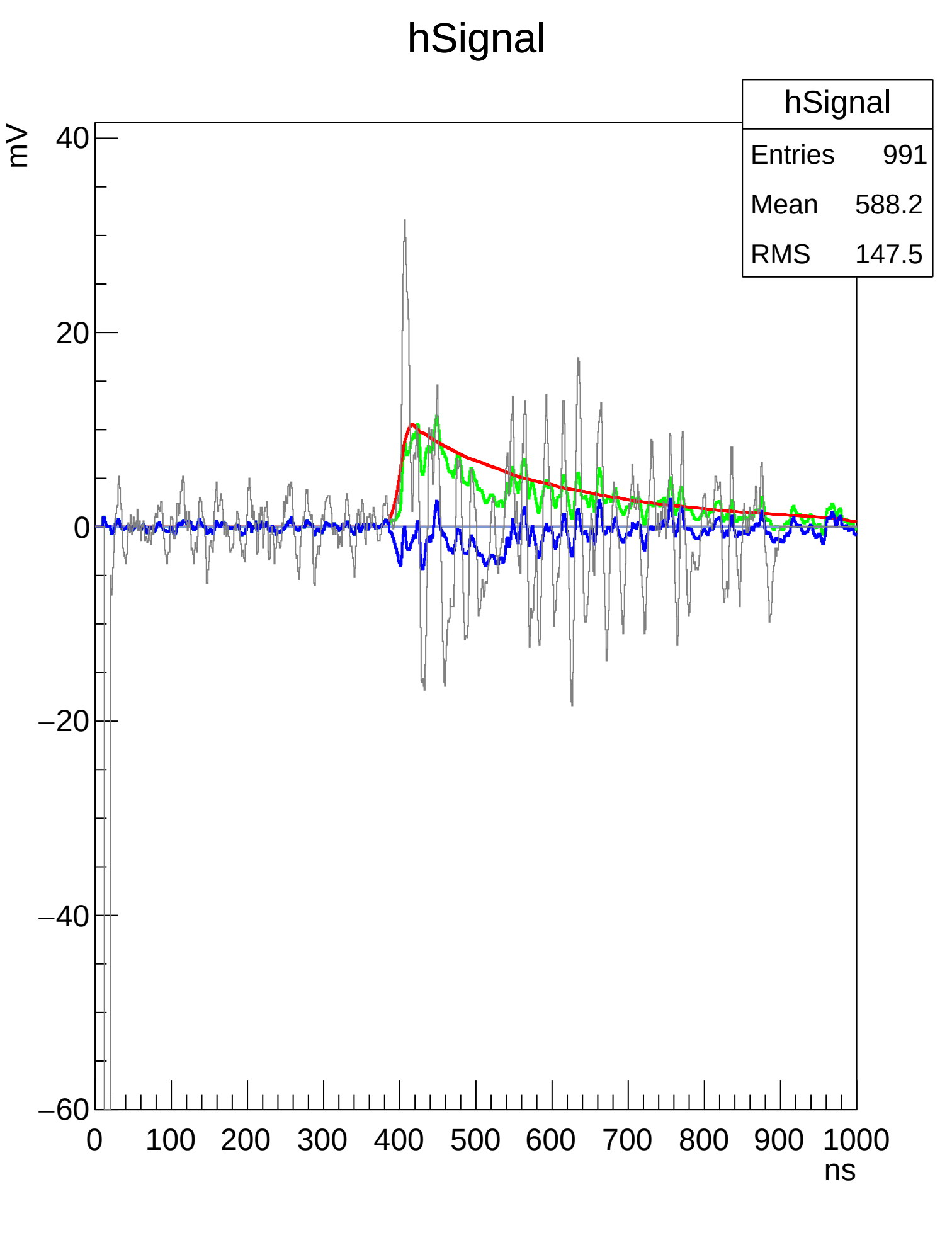
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.2
RMS 147.5
mV
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20
0
−20
−40
−60
0
100
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700
800
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1000
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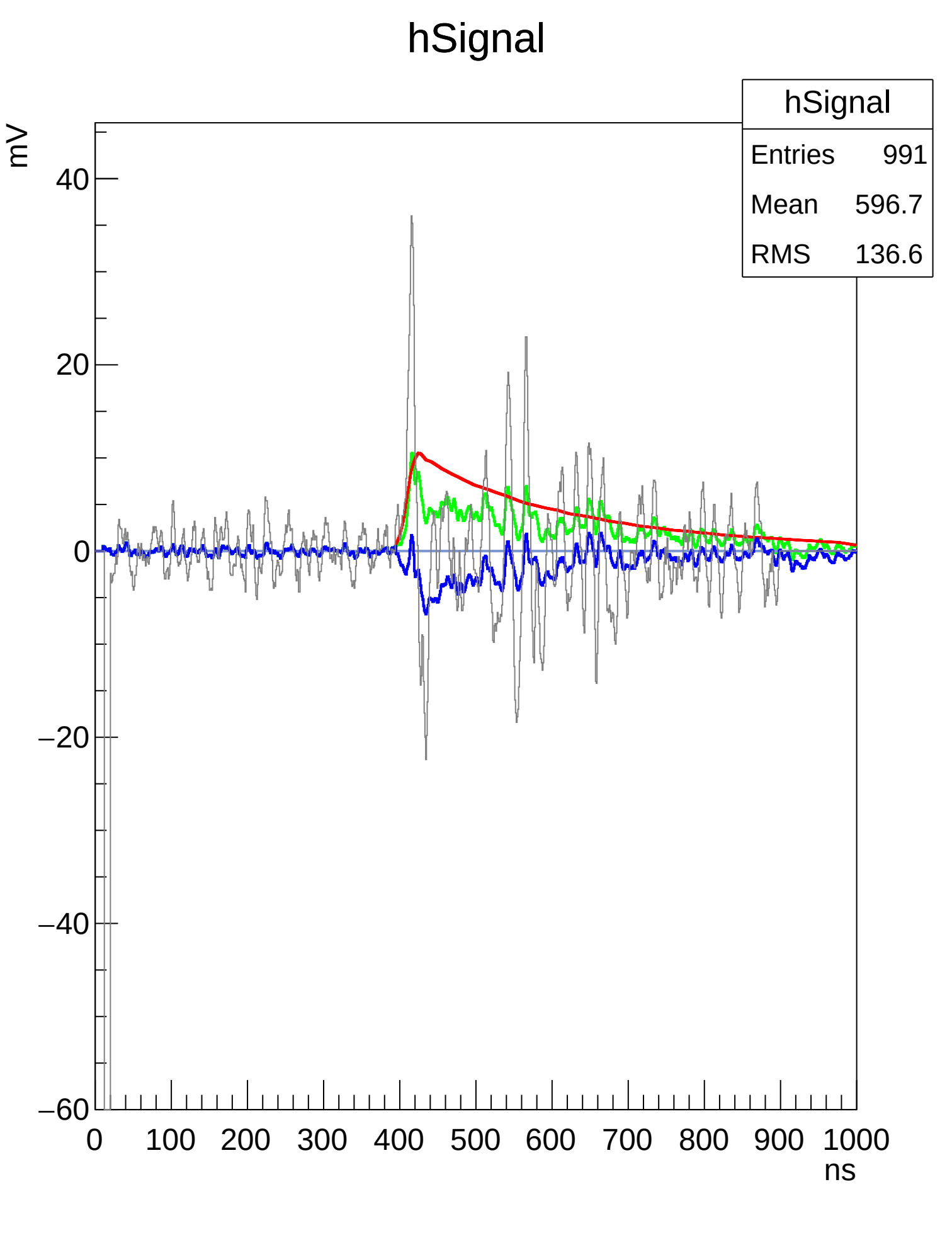
hSignal
hSignal
Entries 991
Mean 596.7
RMS 136.6
mV
40
20
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−20
−40
−60
0
100
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1000
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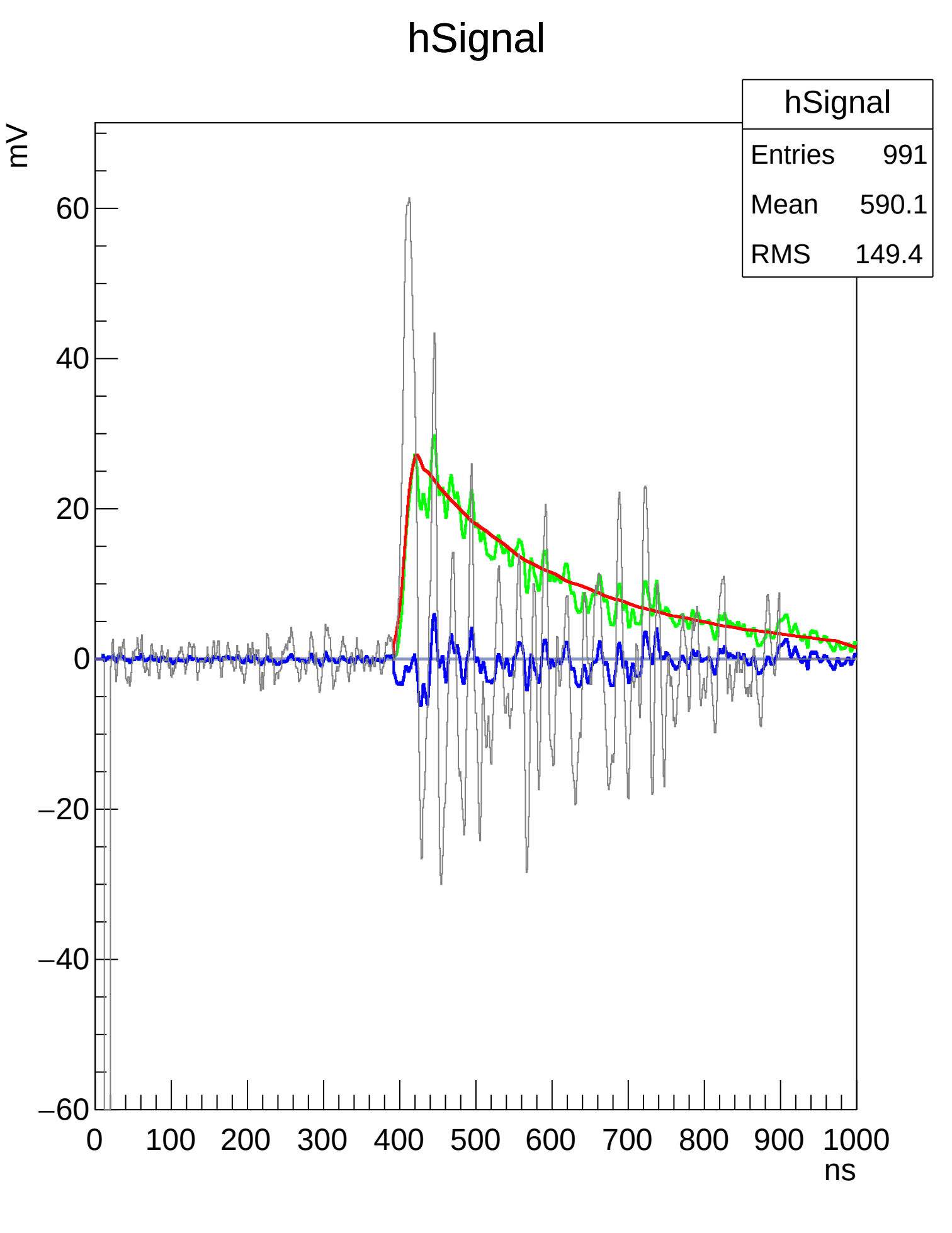
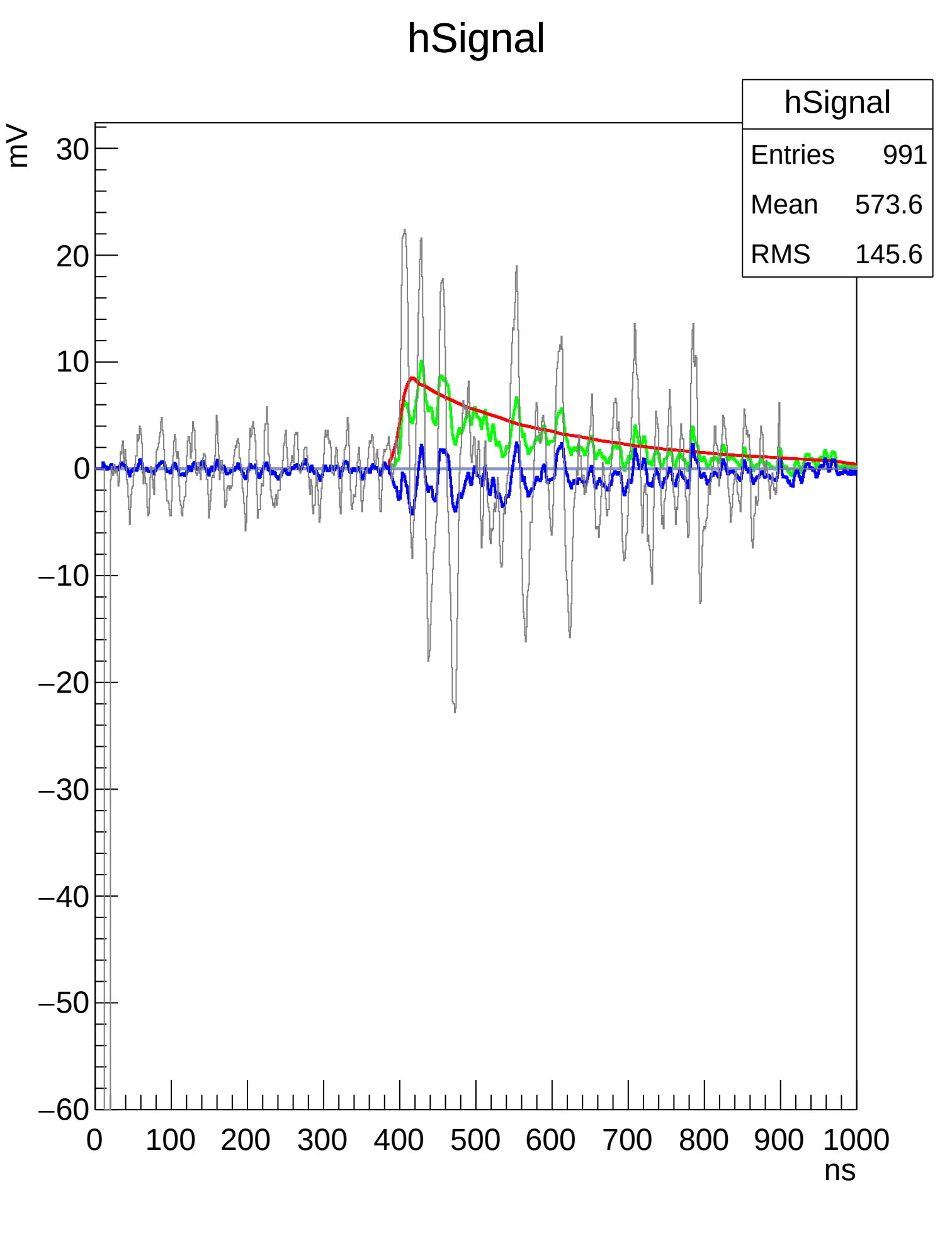

hSignal
hSignal
Entries 991
Mean 590.1
RMS 149.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.6
RMS 145.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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700
800
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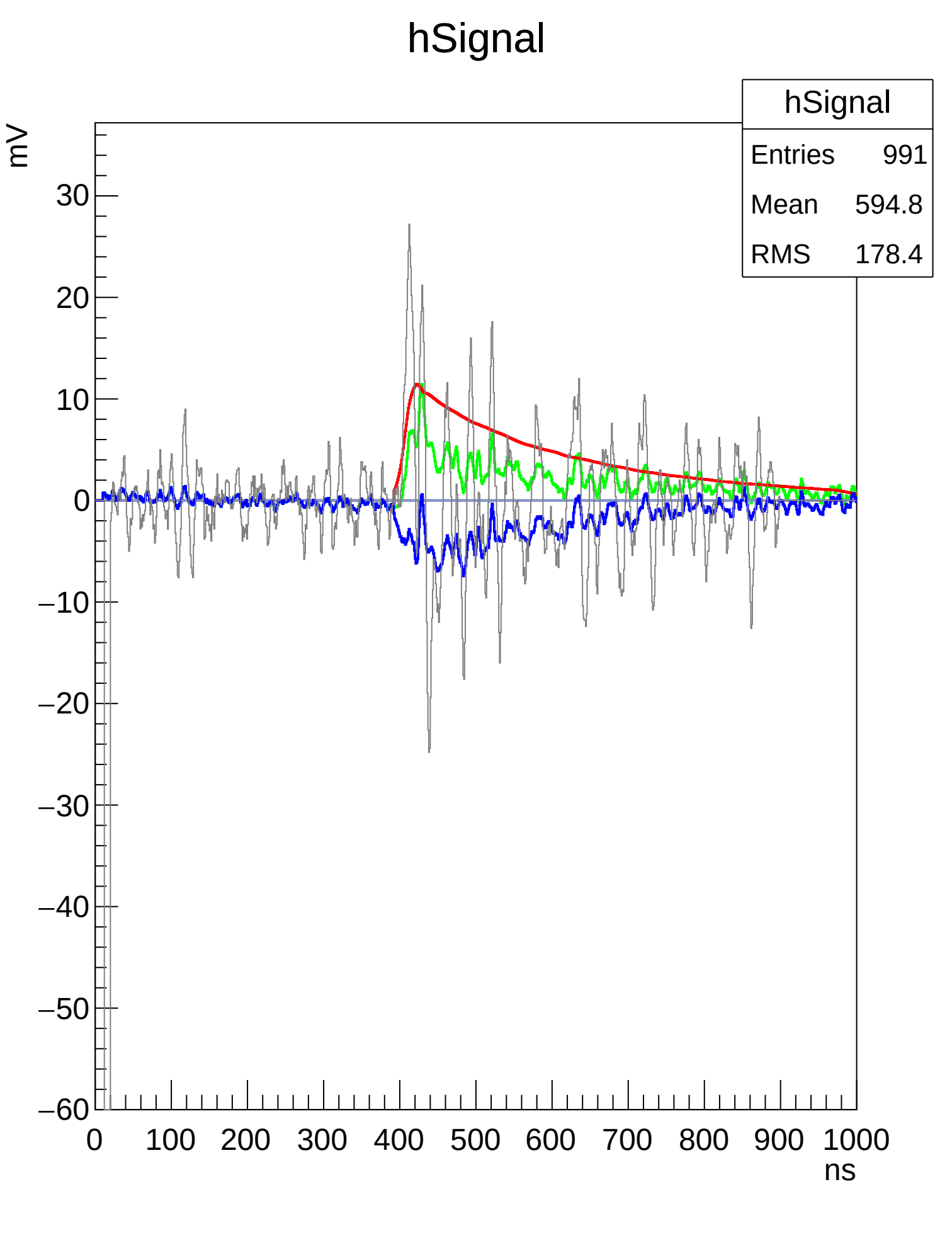
1000
ns


hSignal
hSignal
Entries 991
Mean 594.8
RMS 178.4
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
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800
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1000
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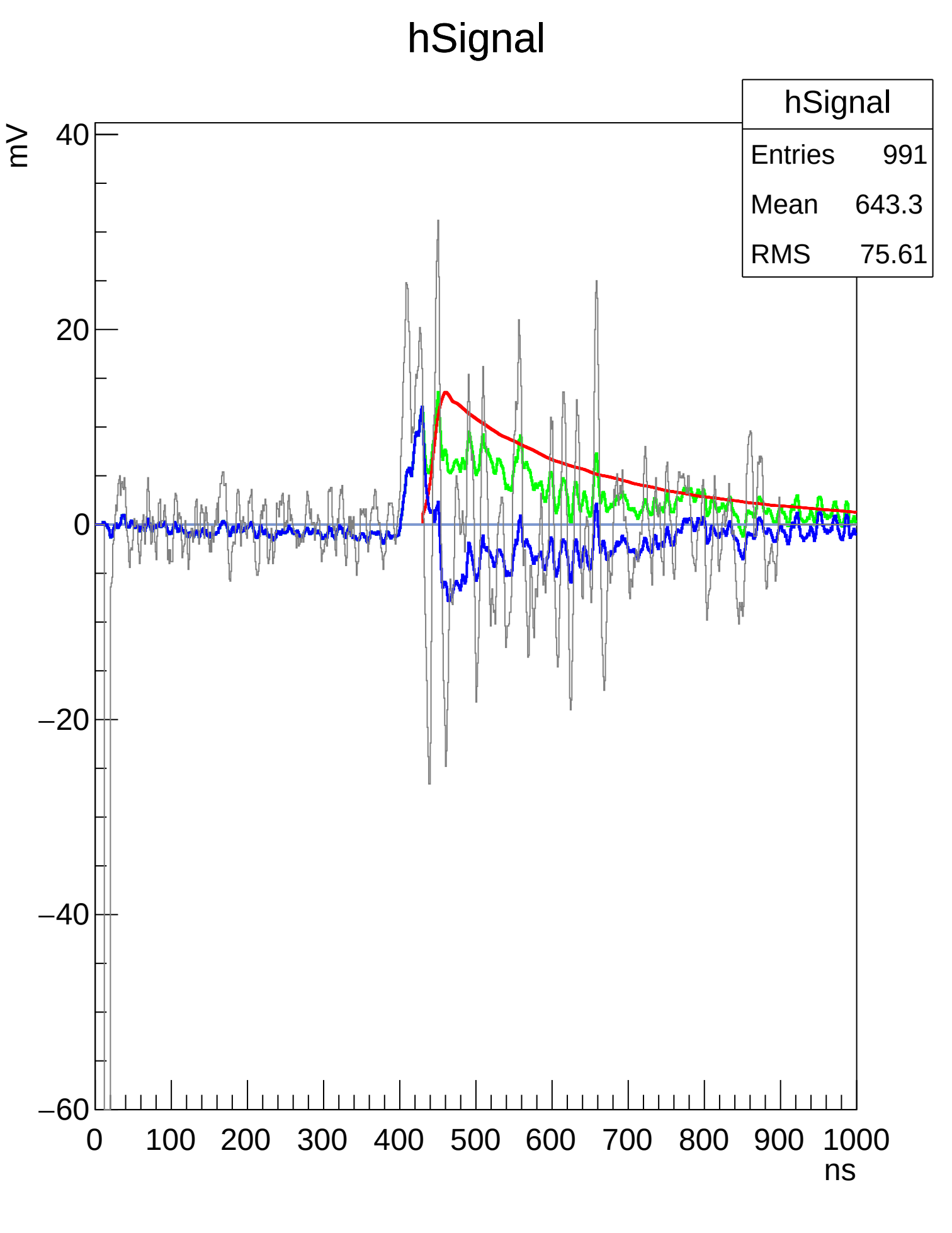
hSignal
hSignal
Entries 991
Mean 643.3
RMS 75.61
mV
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−20
−40
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0
100
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700
800
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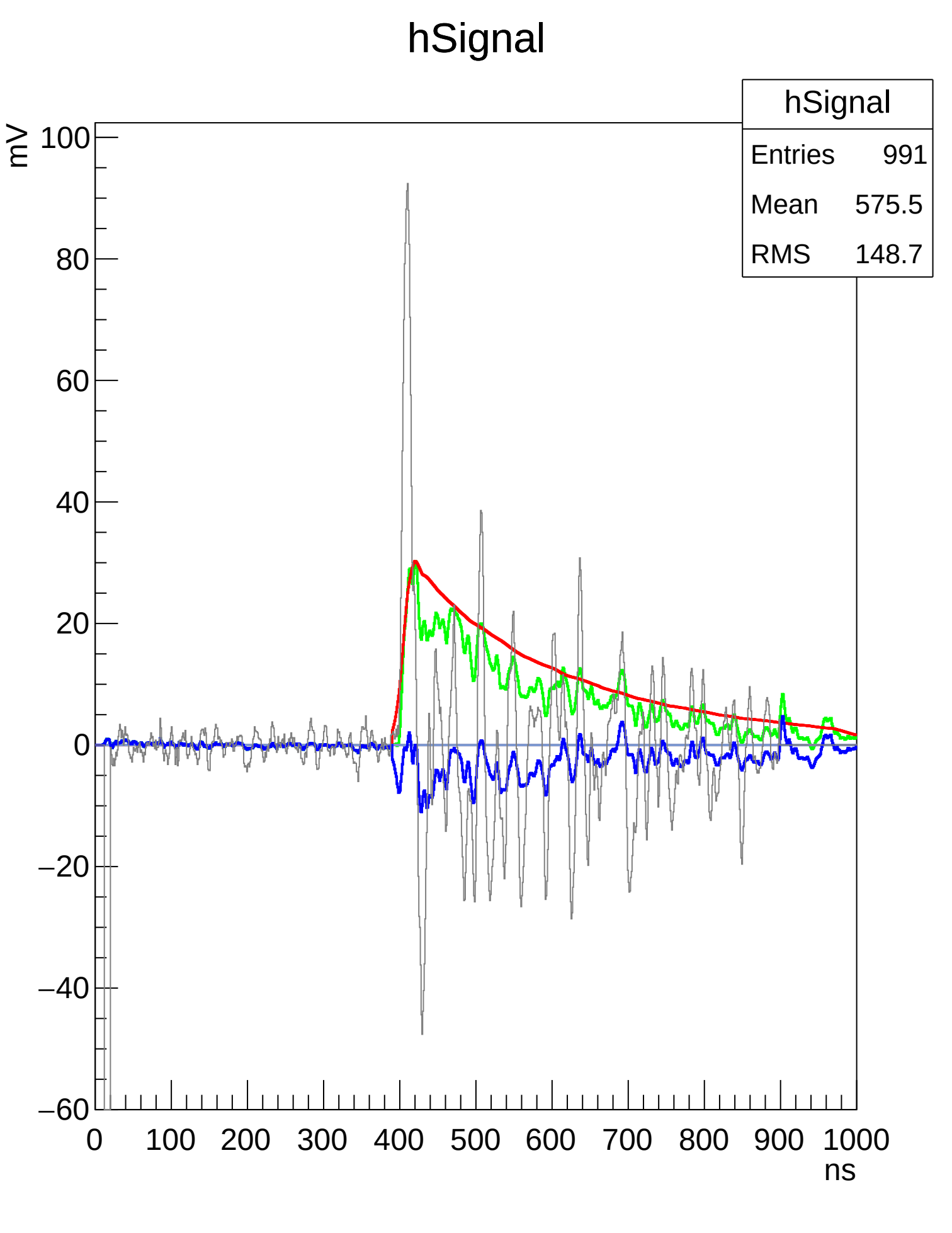
1000
ns


hSignal
hSignal
Entries 991
Mean 575.5
RMS 148.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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800
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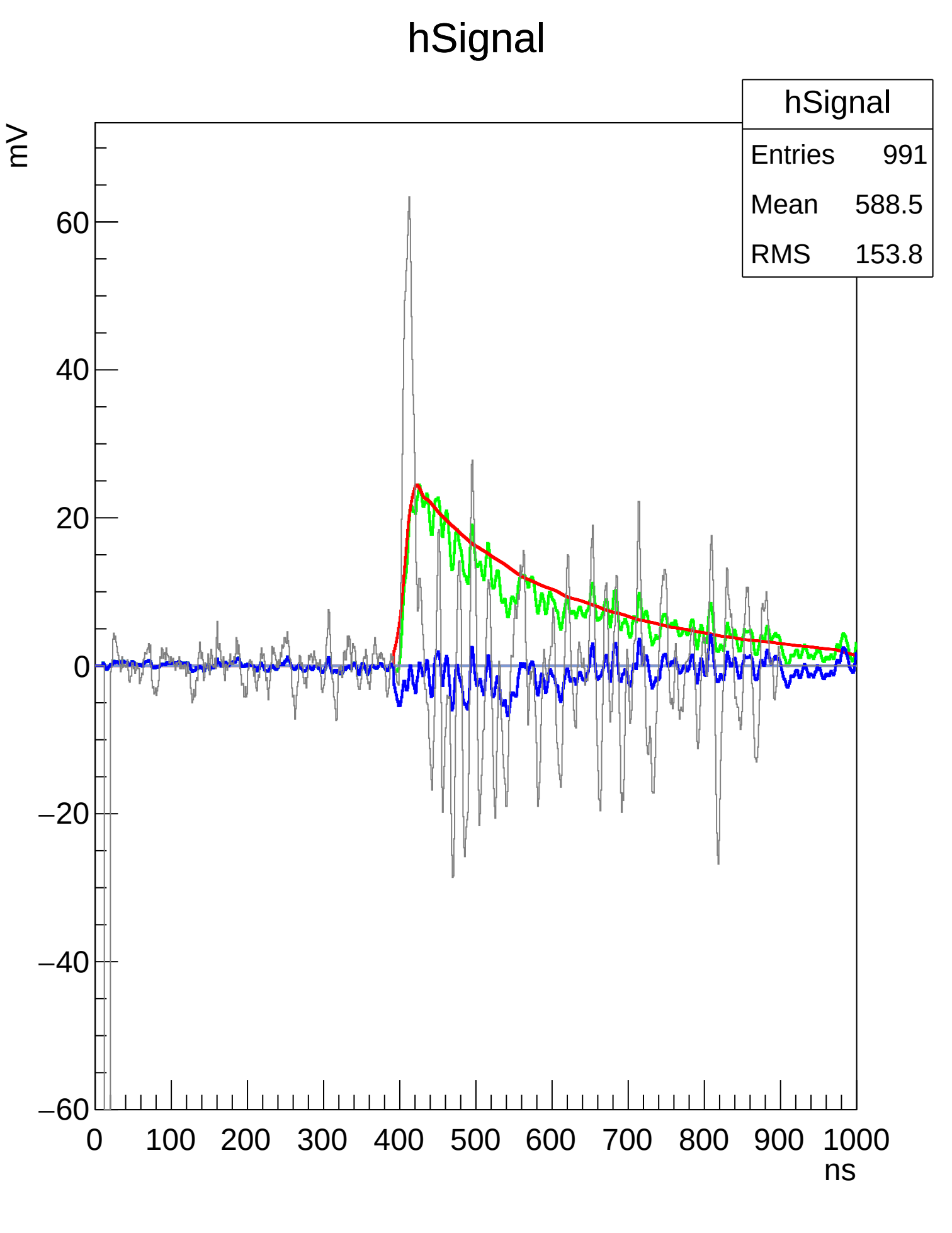
1000
ns


hSignal
hSignal
Entries 991
Mean 588.5
RMS 153.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
500
600
700
800
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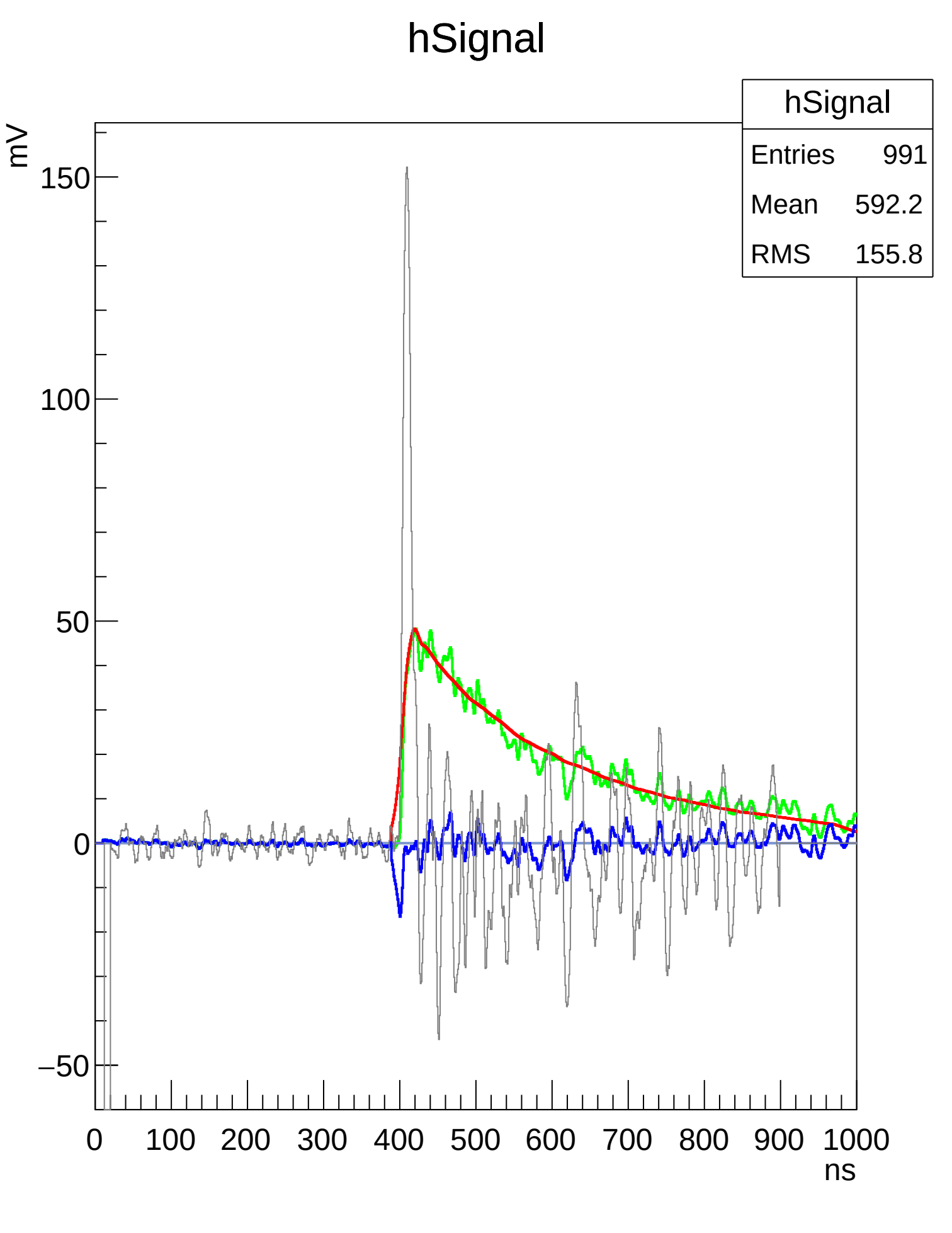
1000
ns


hSignal
hSignal
Entries 991
Mean 592.2
RMS 155.8
mV
150
100
50
0
−50
0
100
200
300
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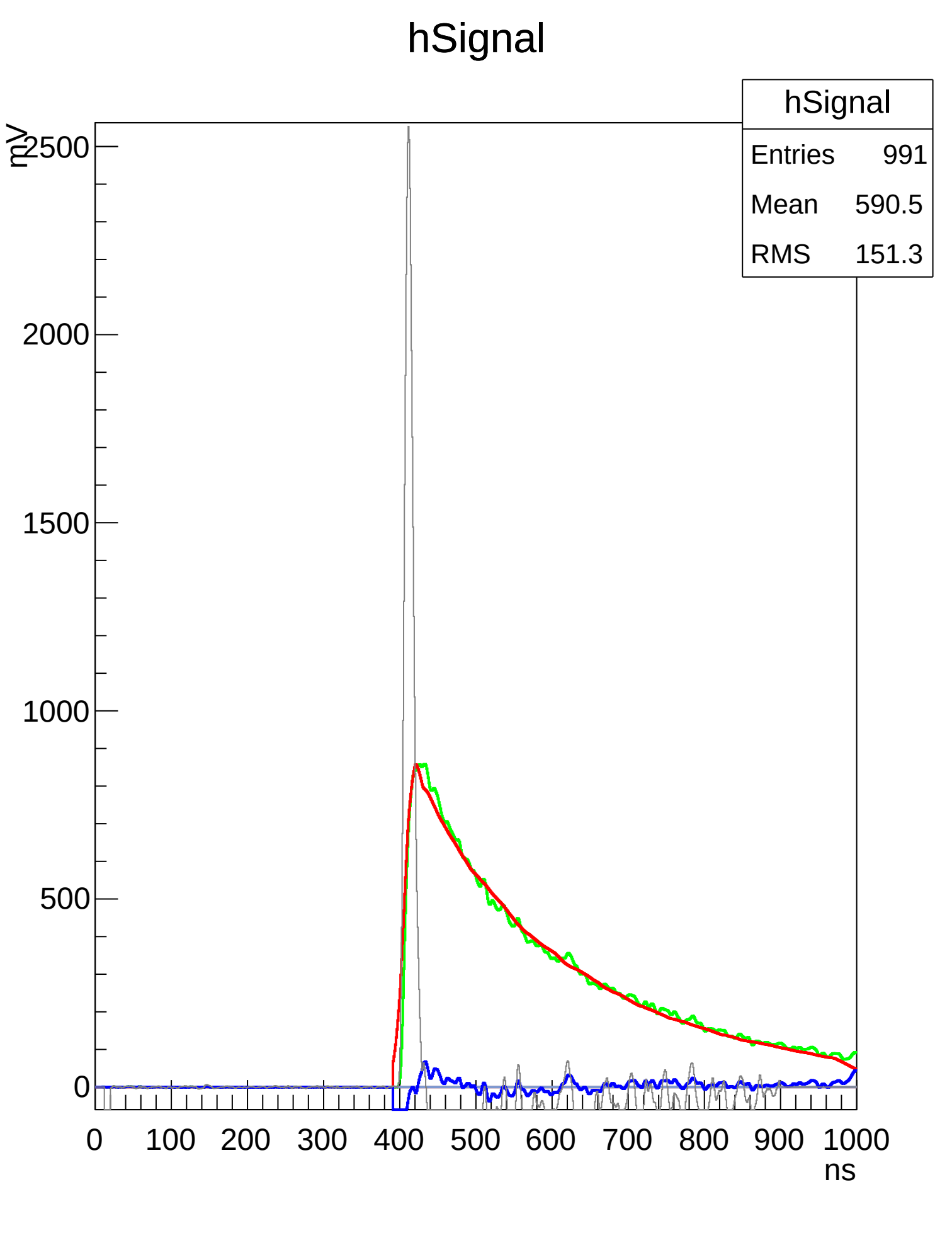
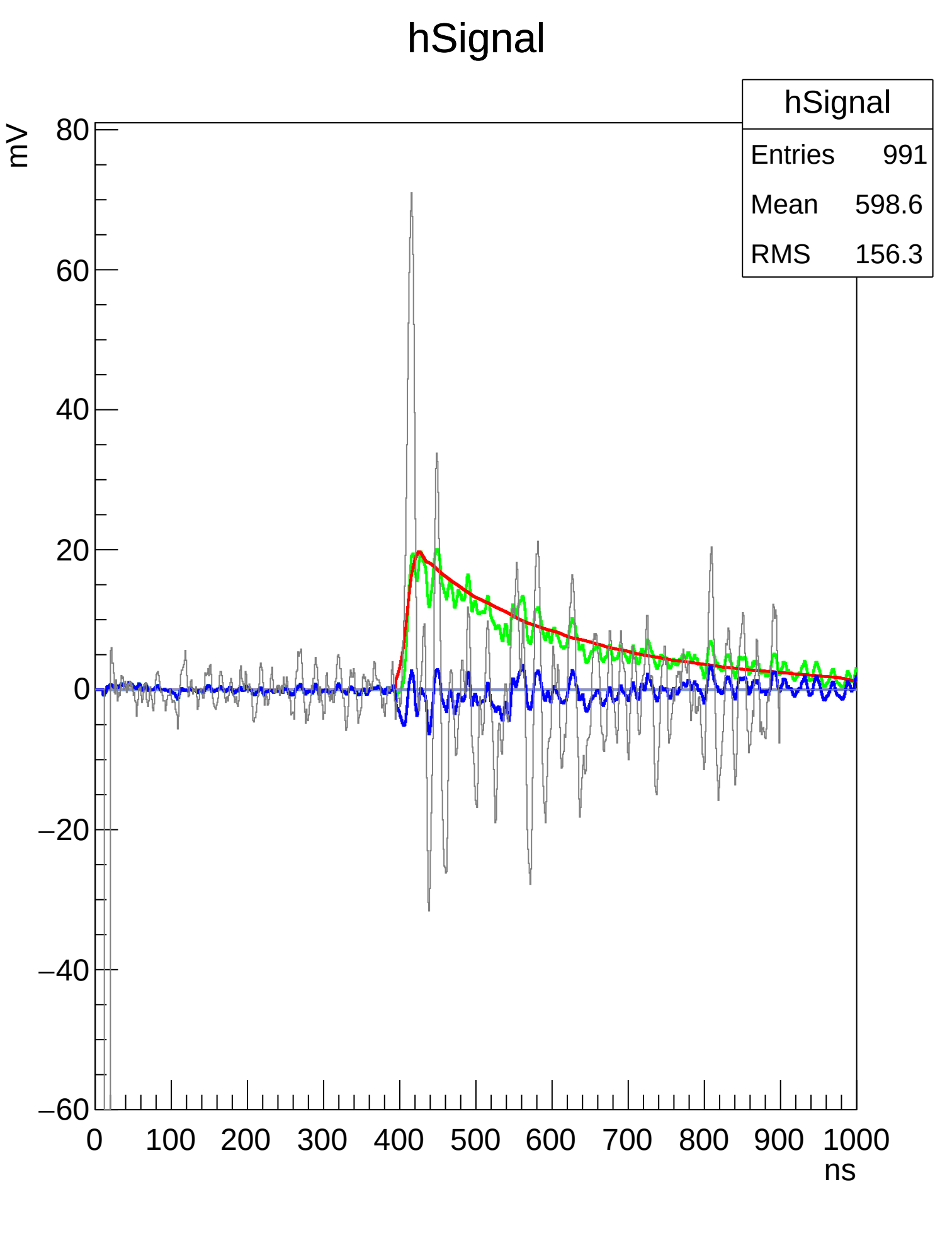
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 151.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.6
RMS 156.3
mV
80
60
40
20
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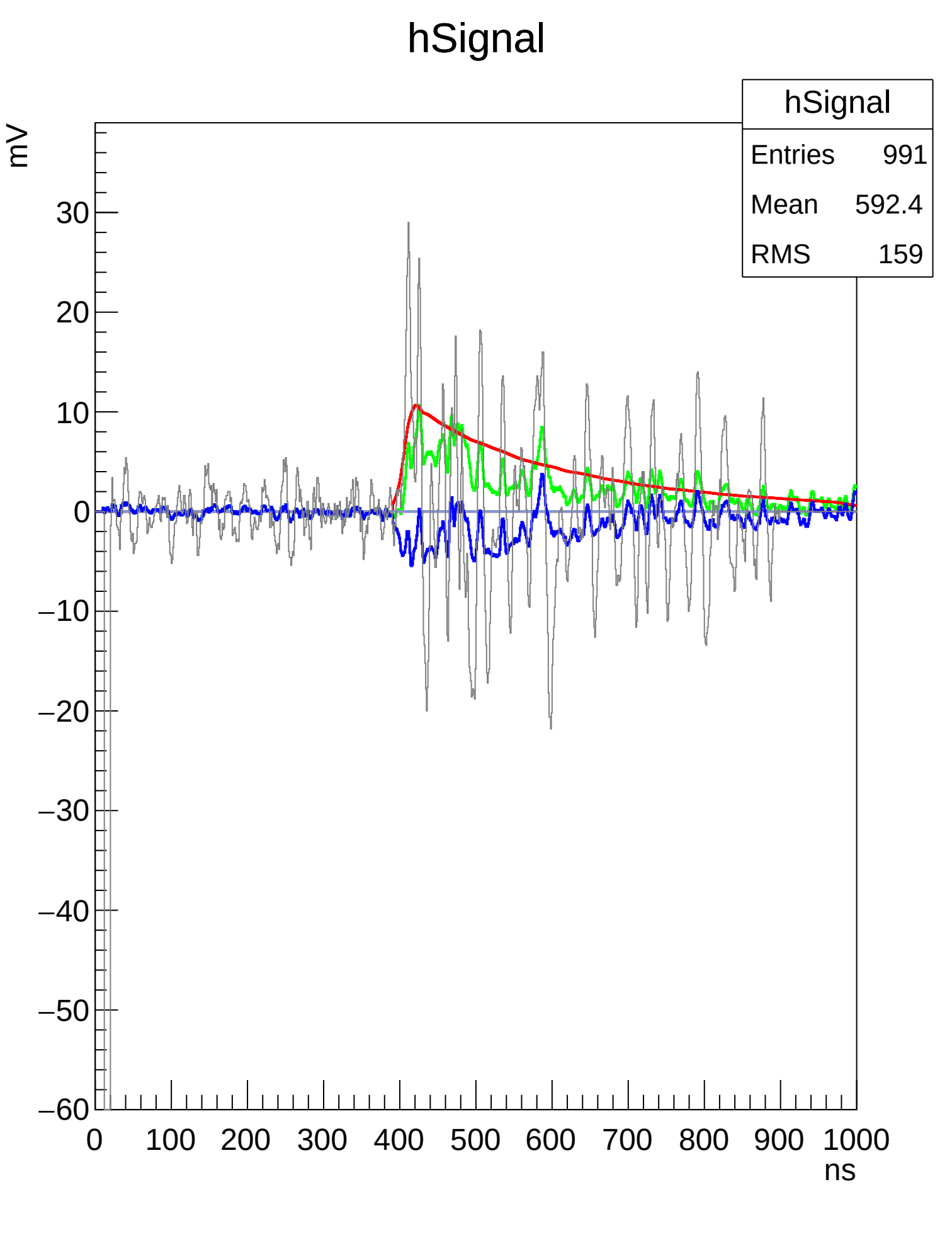
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.4
RMS 159
mV
30
20
10
0
−10
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−40
−50
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0
100
200
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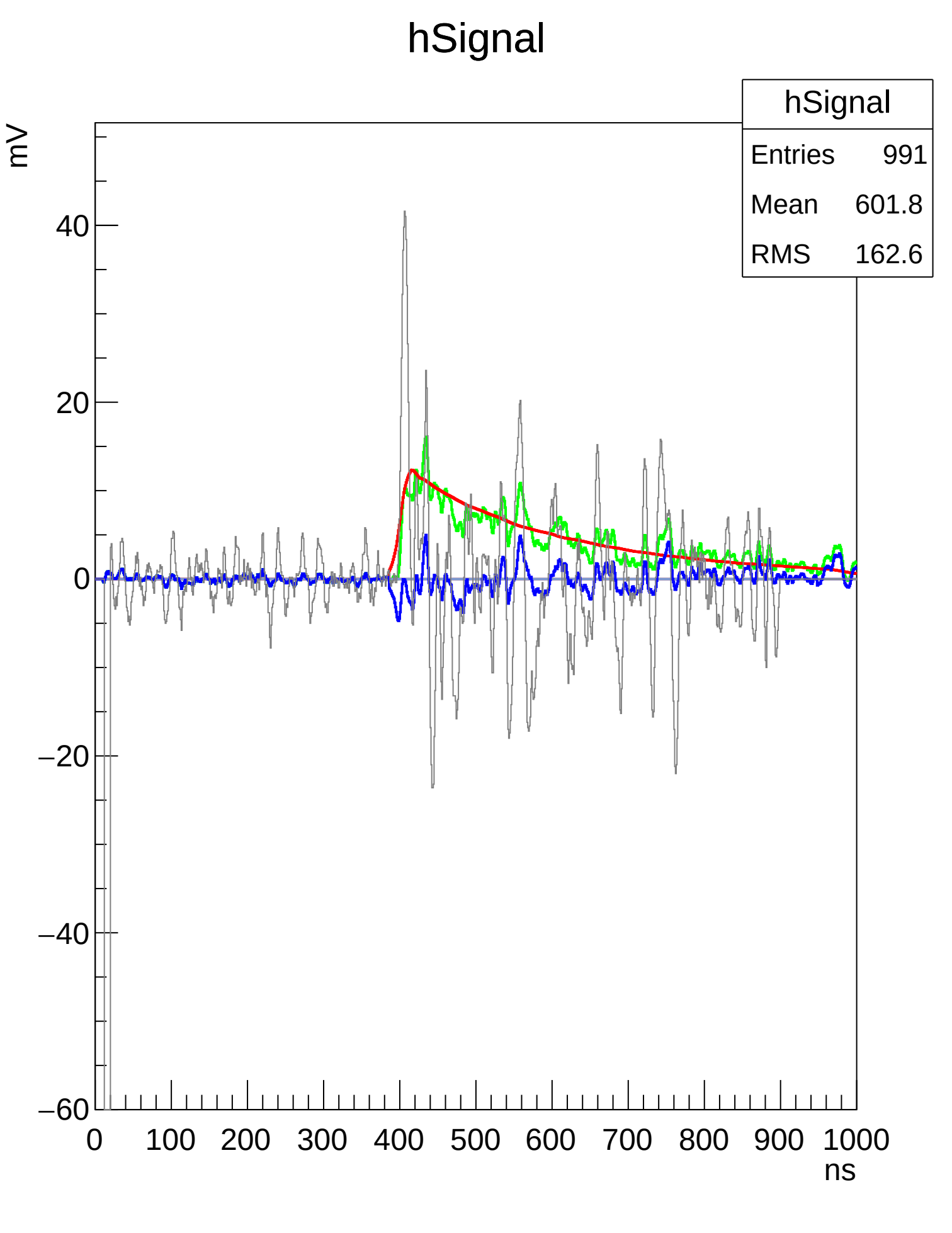
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.8
RMS 162.6
mV
40
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−20
−40
−60
0
100
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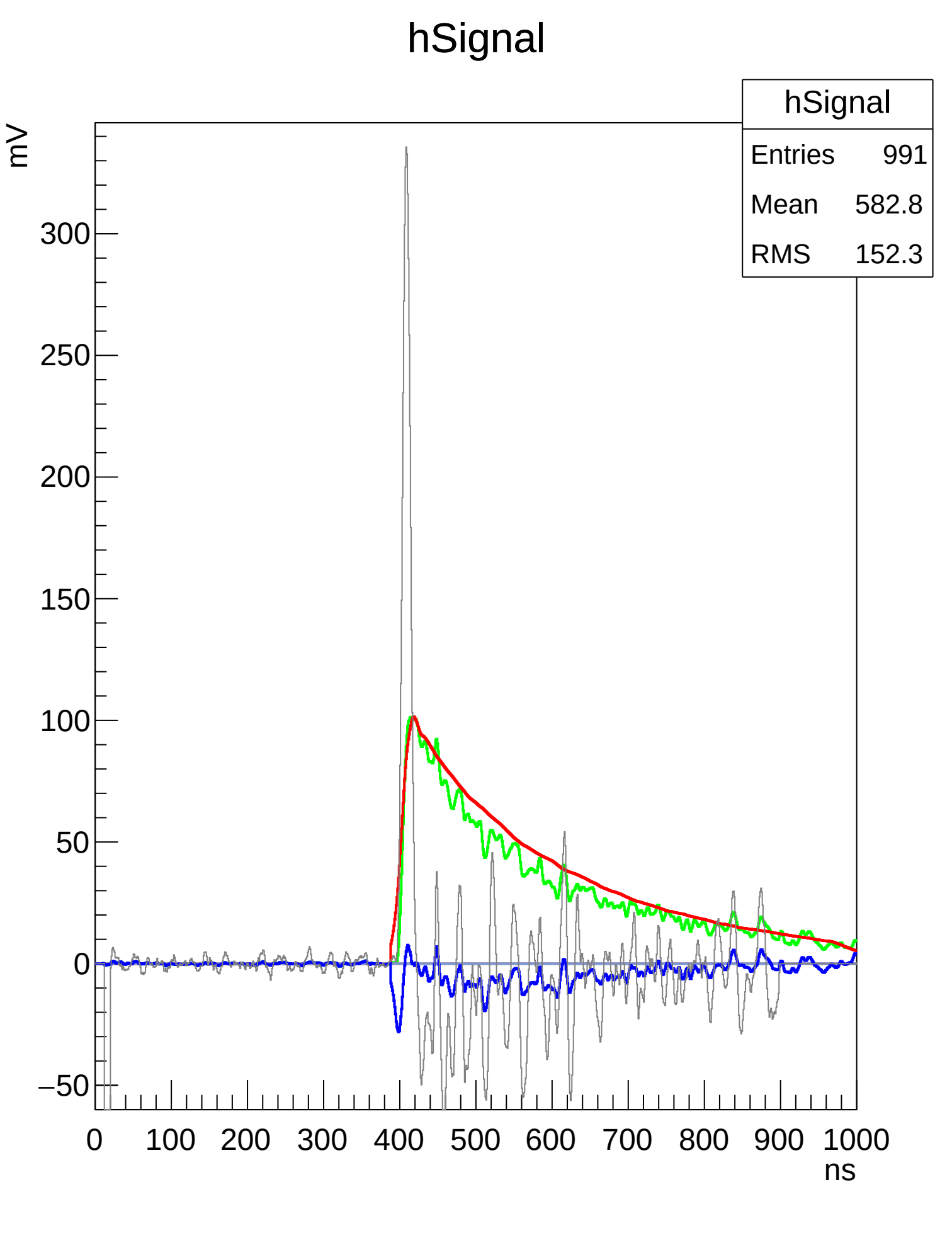
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.8
RMS 152.3
mV
300
250
200
150
100
50
0
−50
0
100
200
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400
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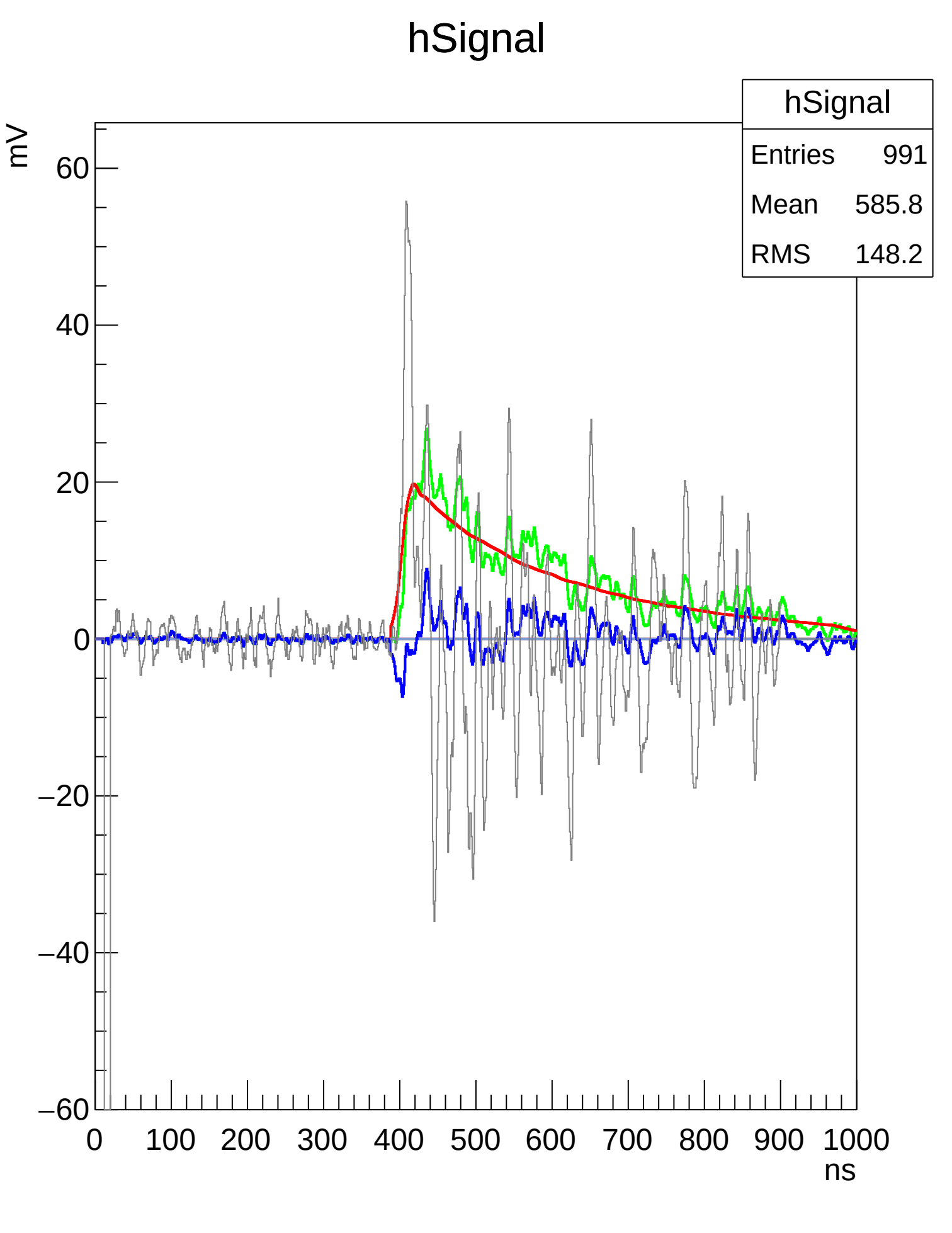
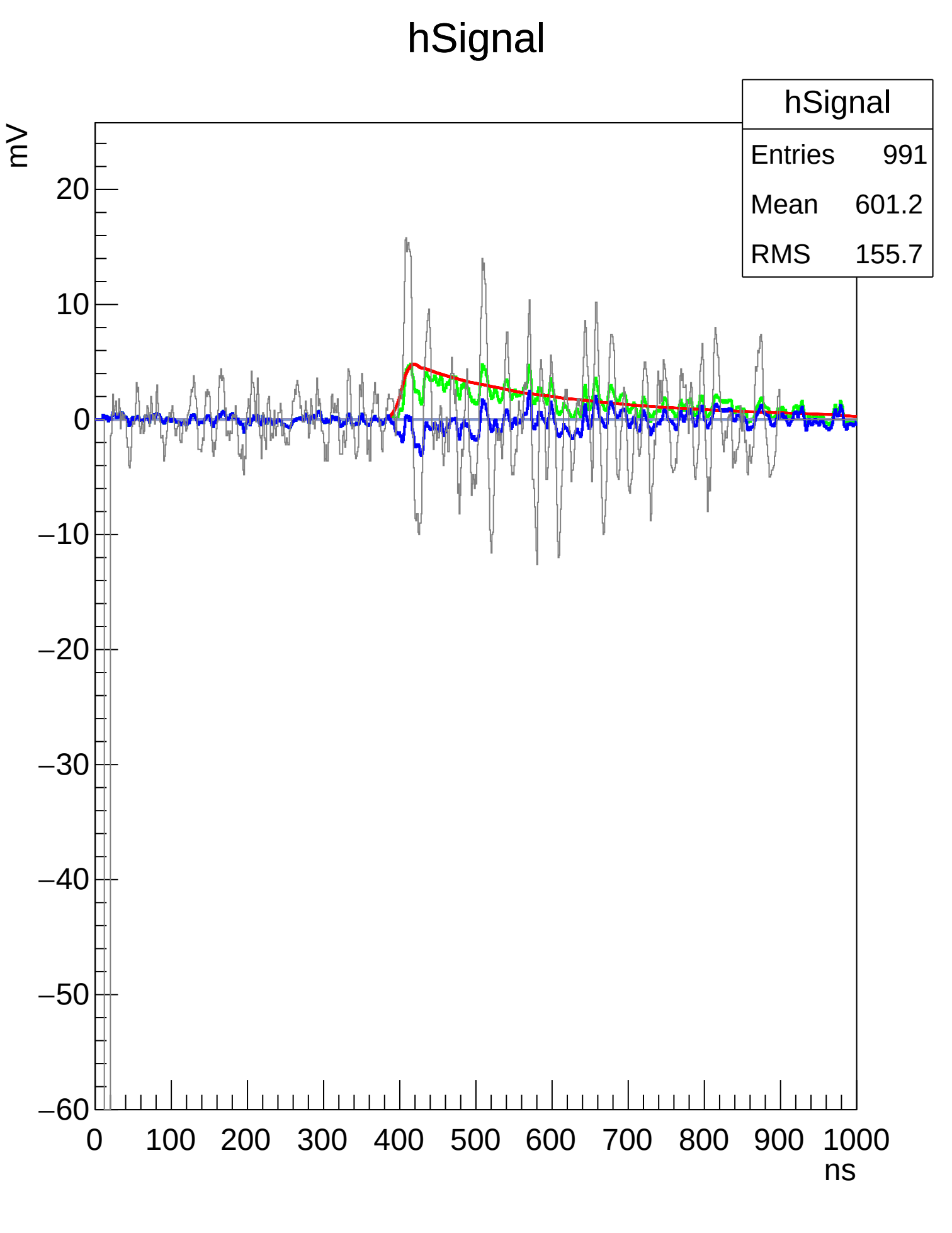
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.8
RMS 148.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 155.7
mV
20
10
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1000
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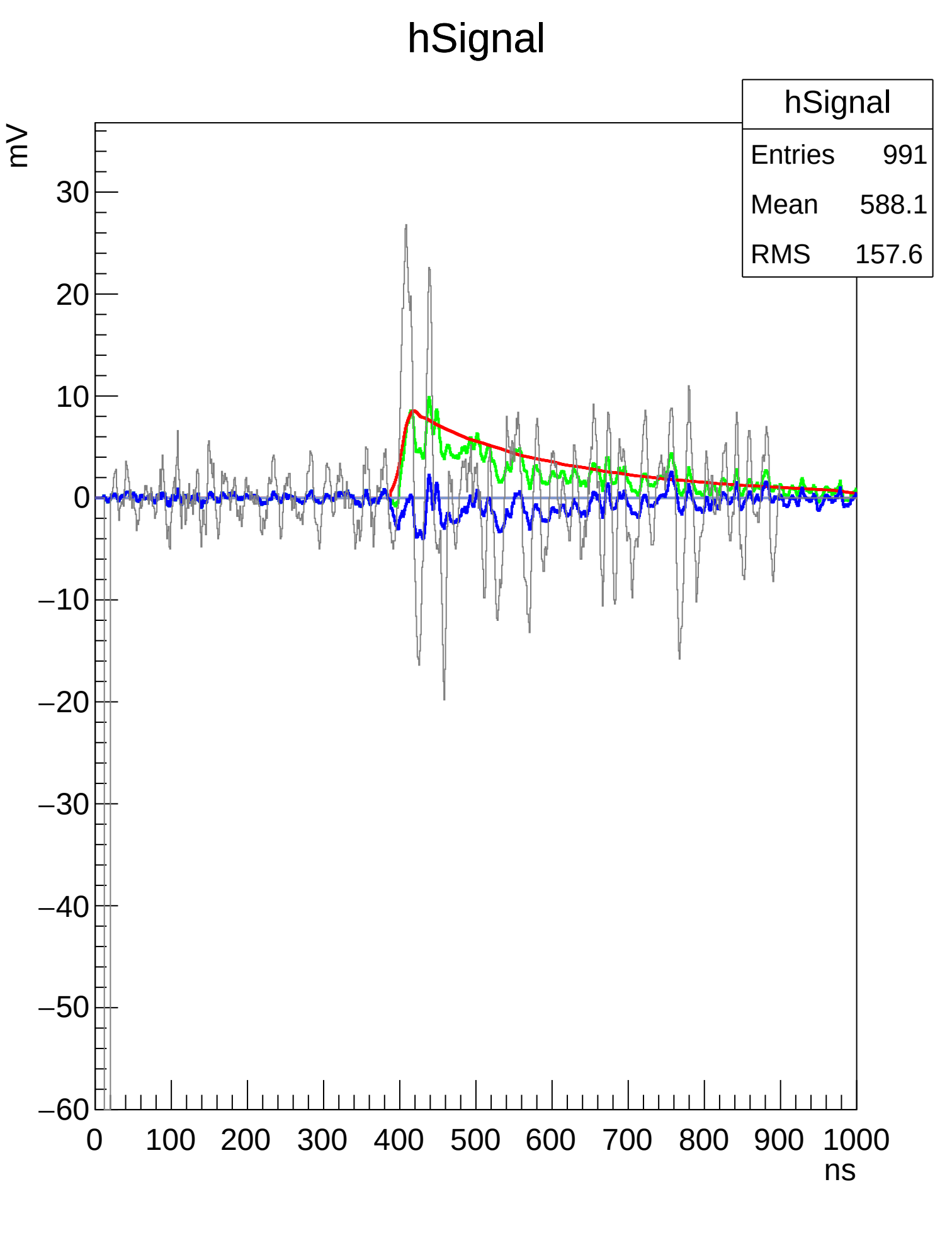
hSignal
hSignal
Entries 991
Mean 588.1
RMS 157.6
mV
30
20
10
0
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−40
−50
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0
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200
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400
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600
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800
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1000
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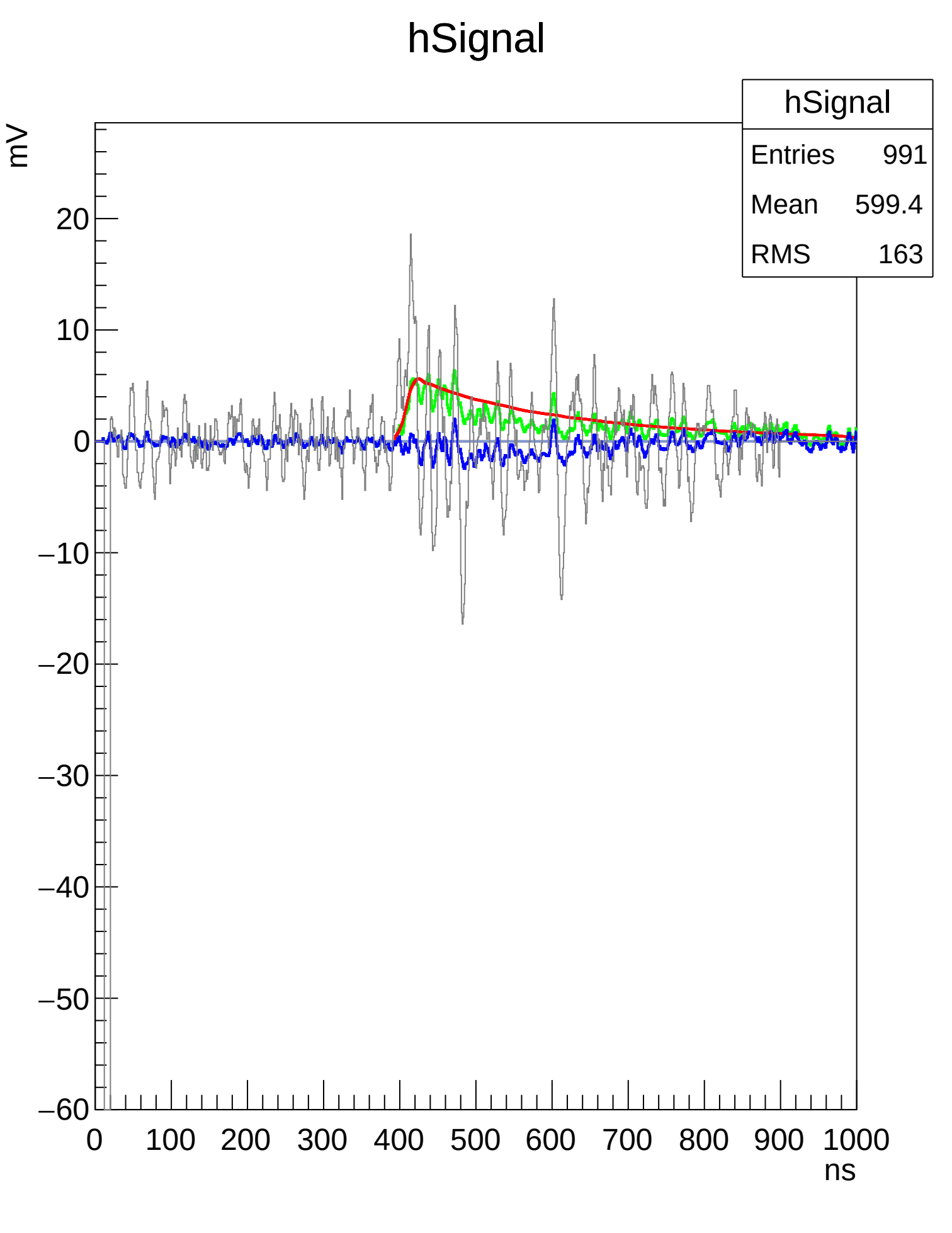
hSignal
hSignal
Entries 991
Mean 599.4
RMS 163
mV
20
10
0
−10
−20
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−40
−50
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0
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200
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400
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600
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800
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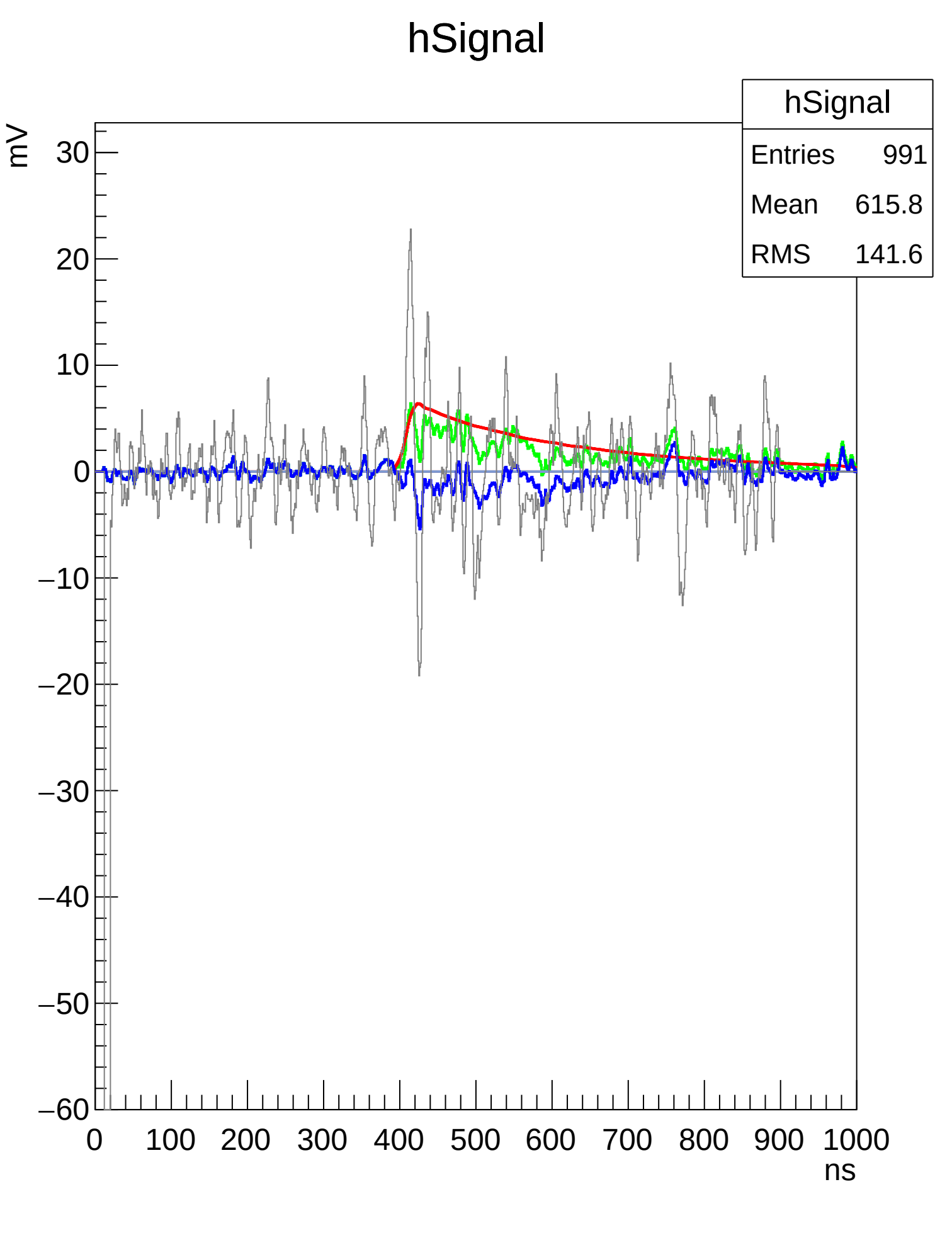
1000
ns


hSignal
hSignal
Entries 991
Mean 615.8
RMS 141.6
mV
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20
10
0
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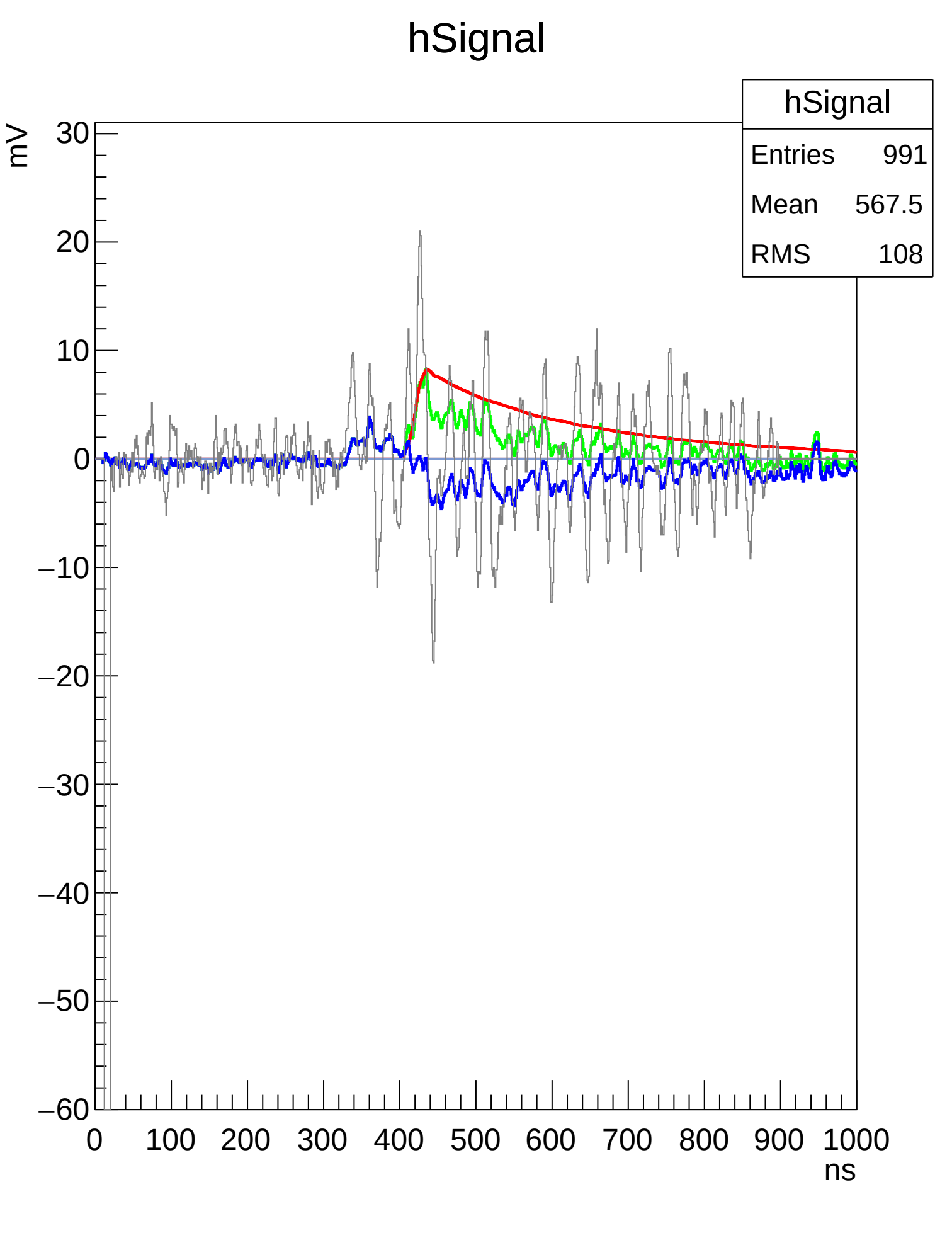
hSignal
hSignal
Entries 991
Mean 567.5
RMS 108
mV
30
20
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0
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200
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400
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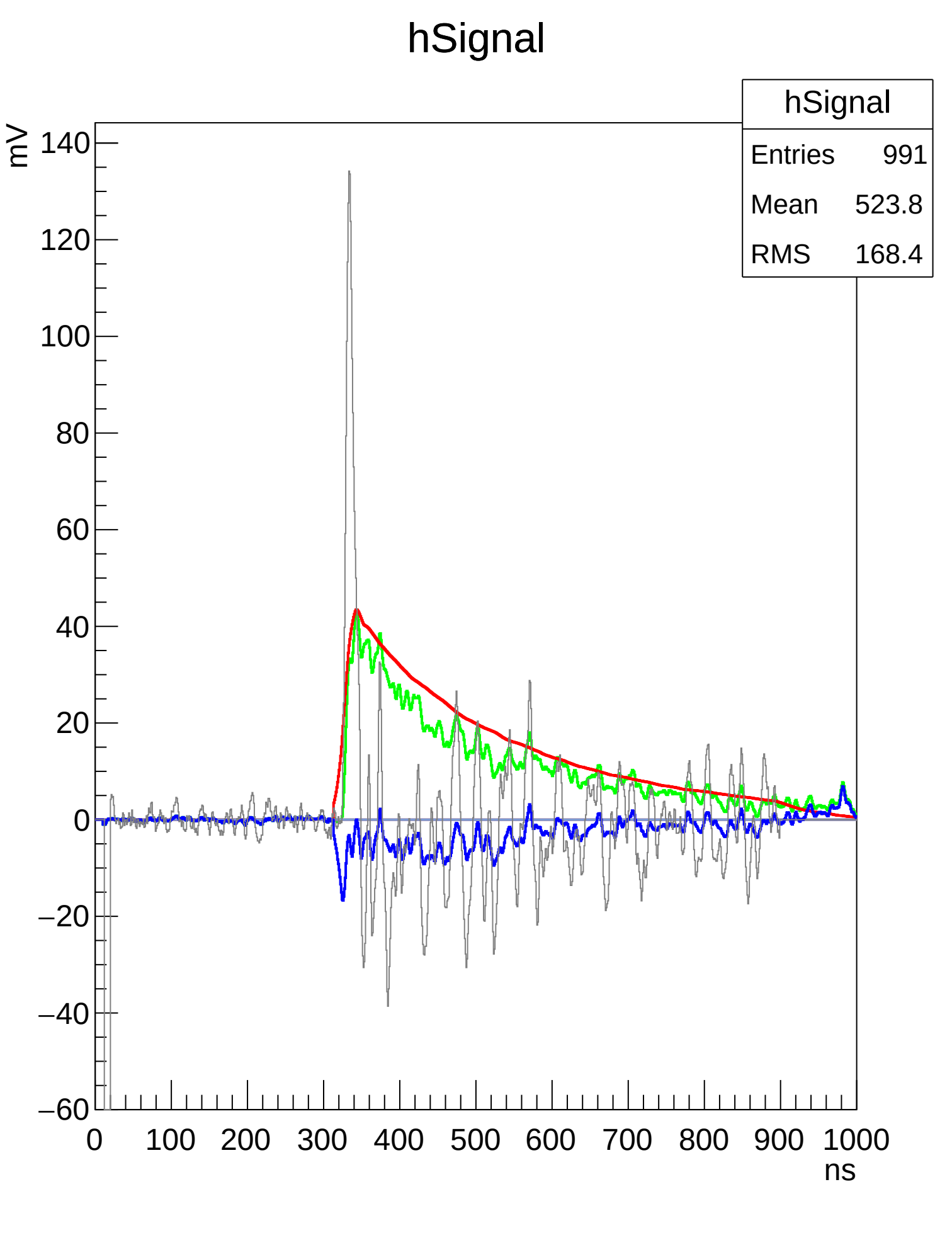
1000
ns


hSignal
hSignal
Entries 991
Mean 523.8
RMS 168.4
mV
140
120
100
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0
100
200
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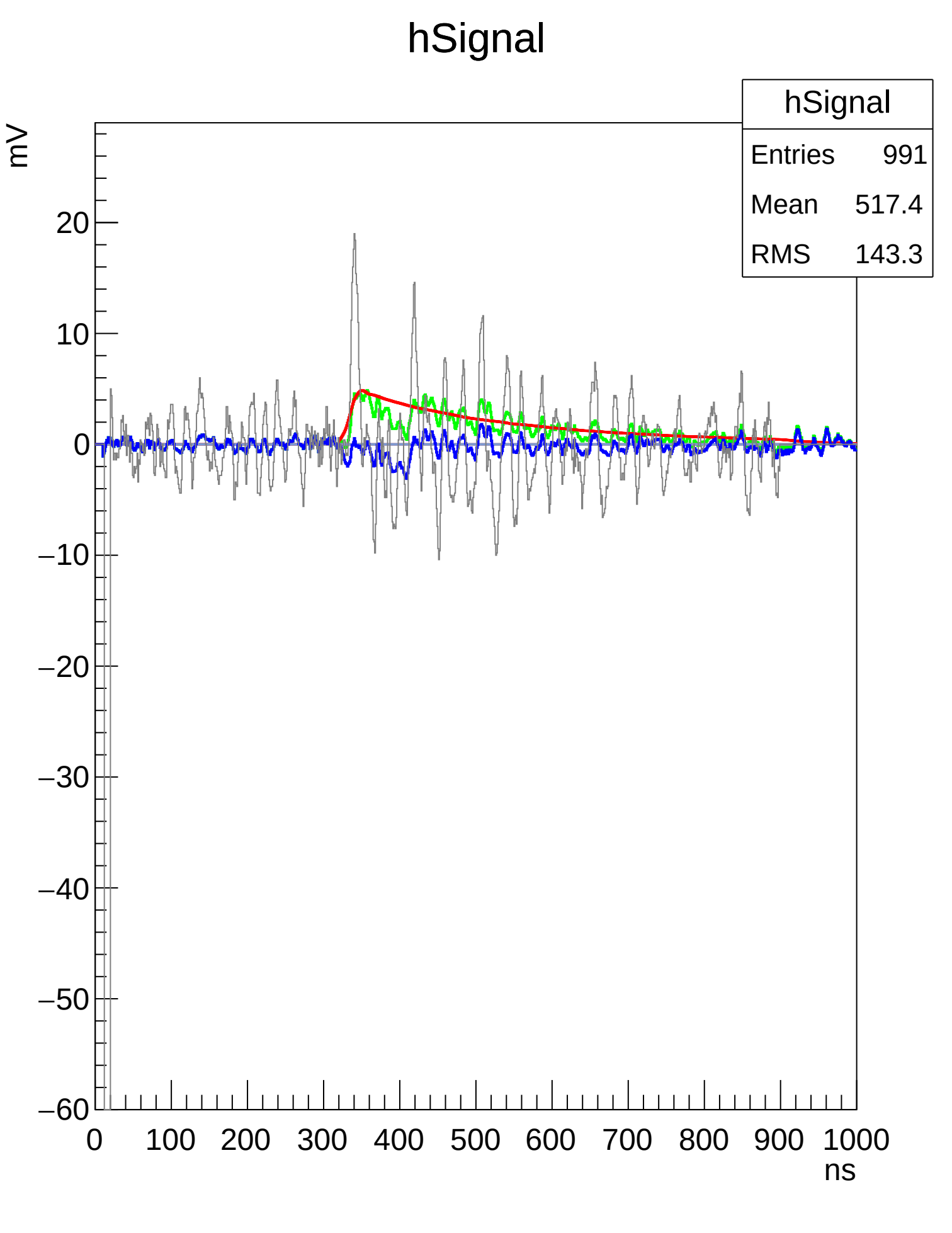
hSignal
hSignal
Entries 991
Mean 517.4
RMS 143.3
mV
20
10
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0
100
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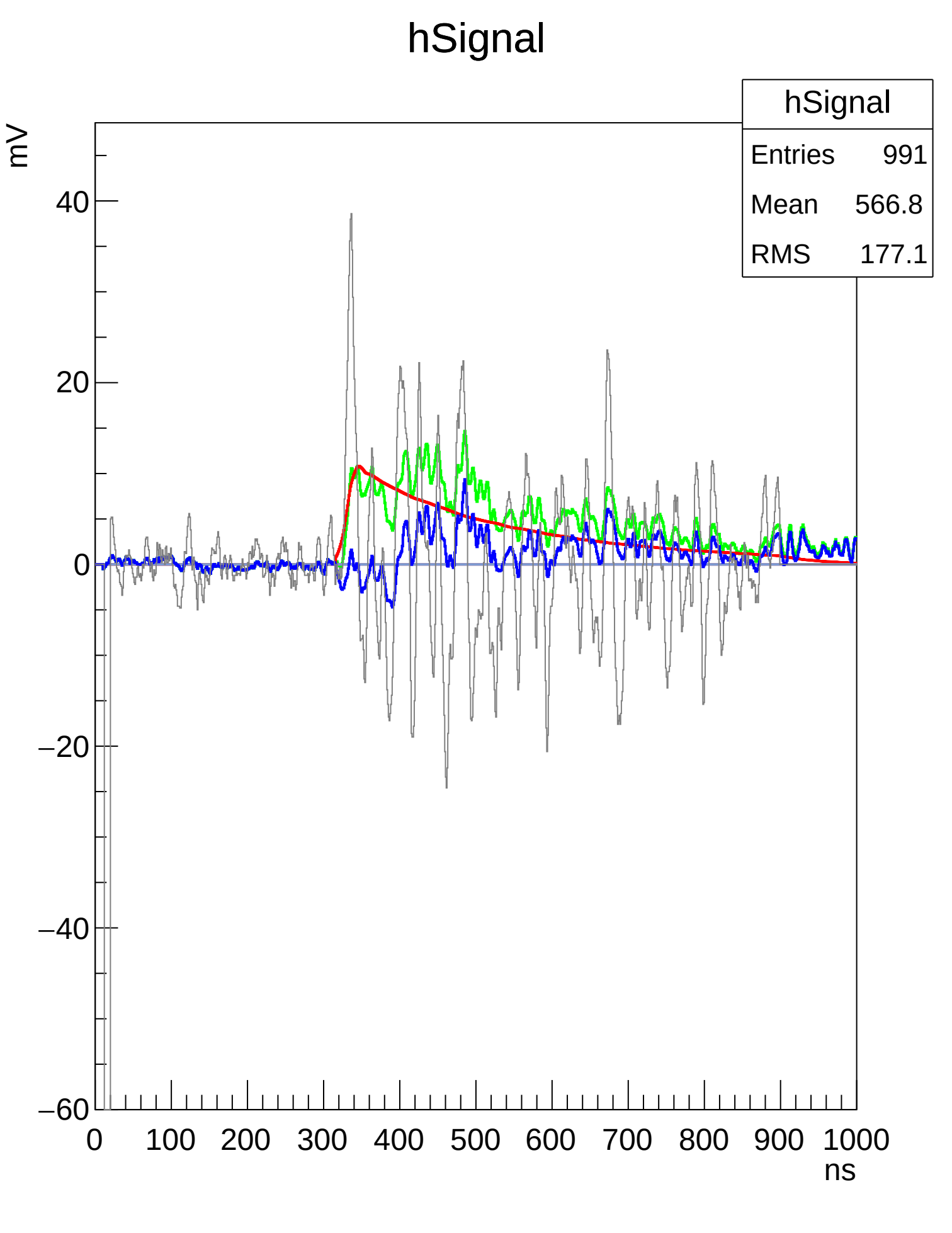
hSignal
hSignal
Entries 991
Mean 566.8
RMS 177.1
mV
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−40
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0
100
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600
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800
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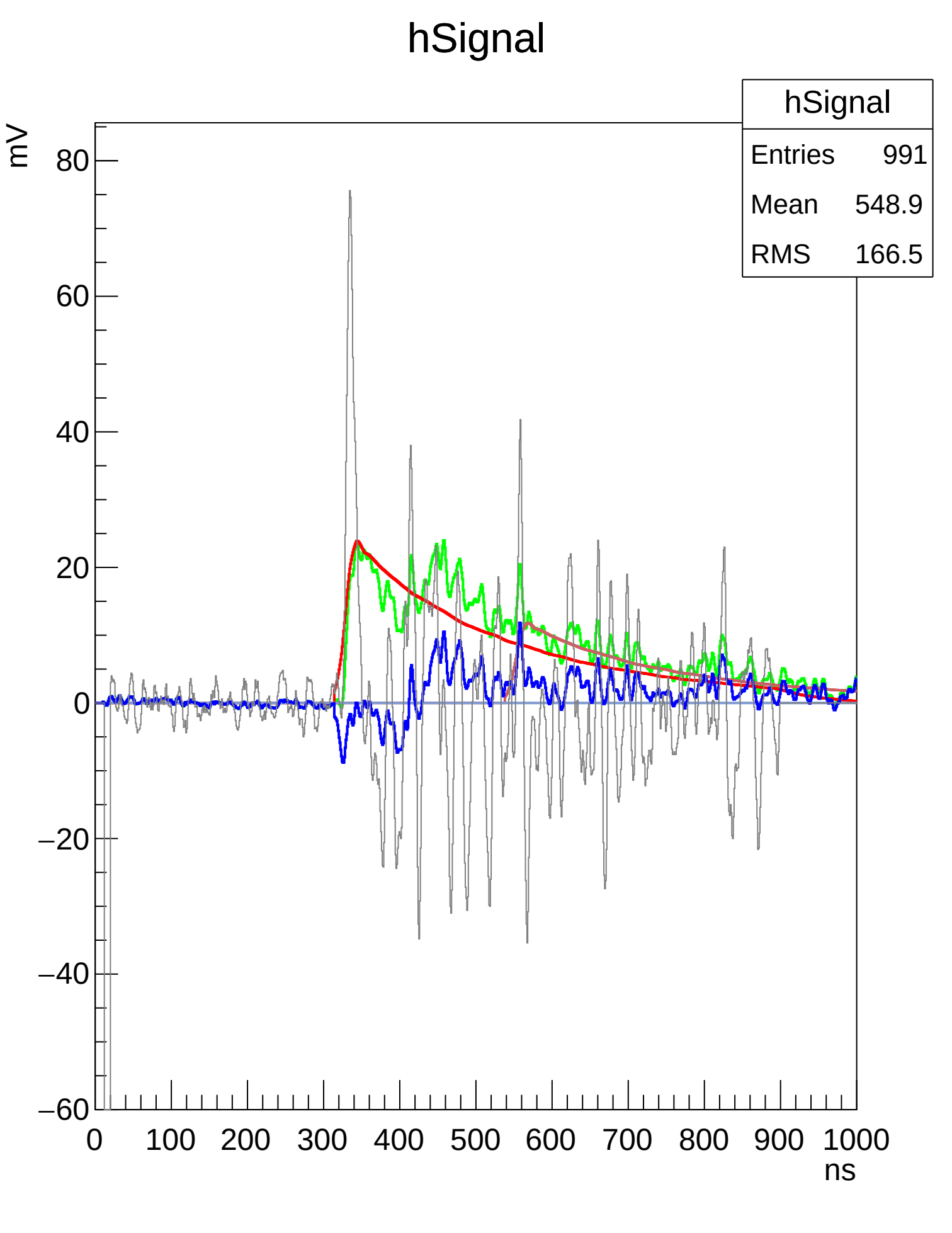
1000
ns


hSignal
hSignal
Entries 991
Mean 548.9
RMS 166.5
mV
80
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40
20
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−20
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0
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400
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1000
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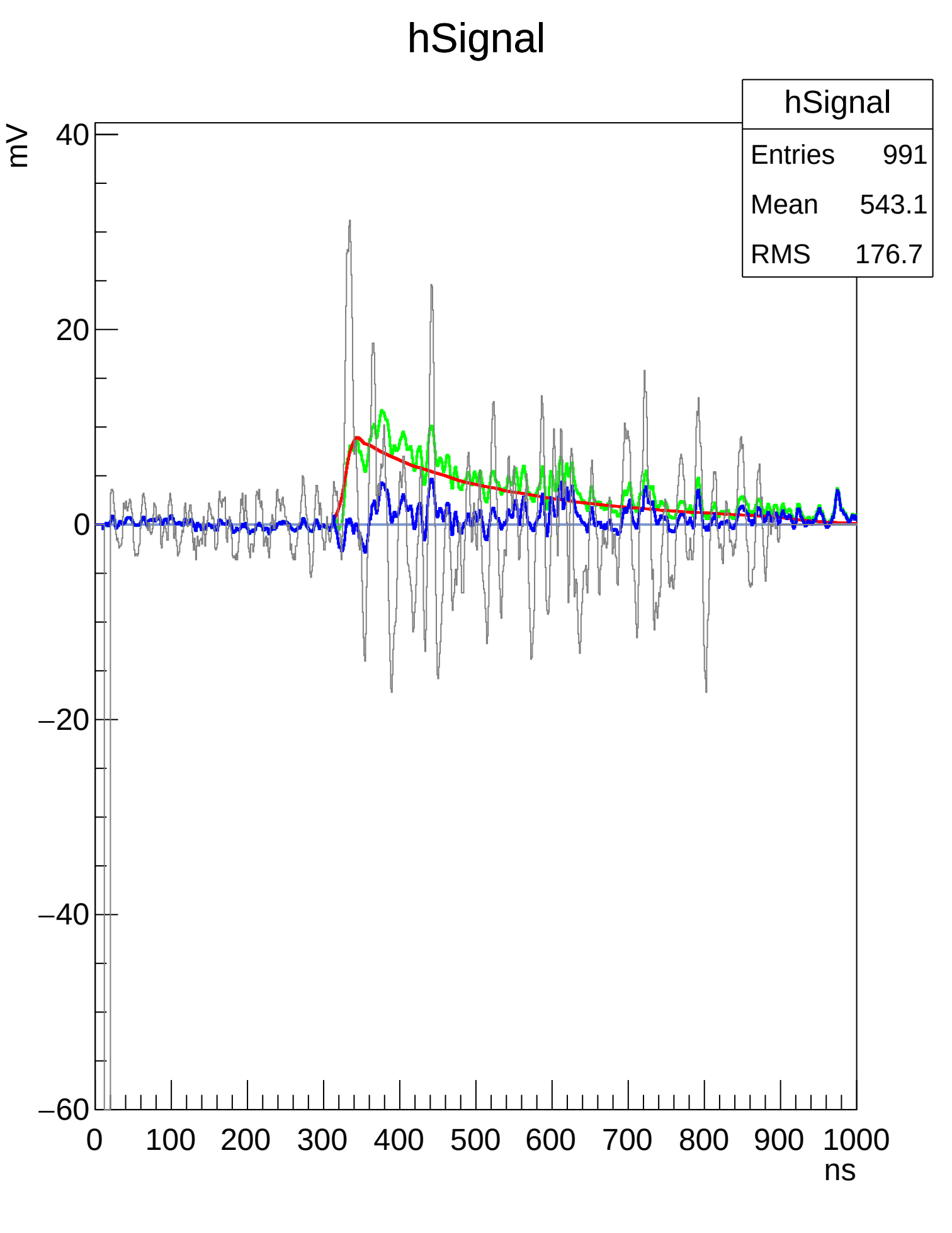
hSignal
hSignal
Entries 991
Mean 543.1
RMS 176.7
mV
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−20
−40
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0
100
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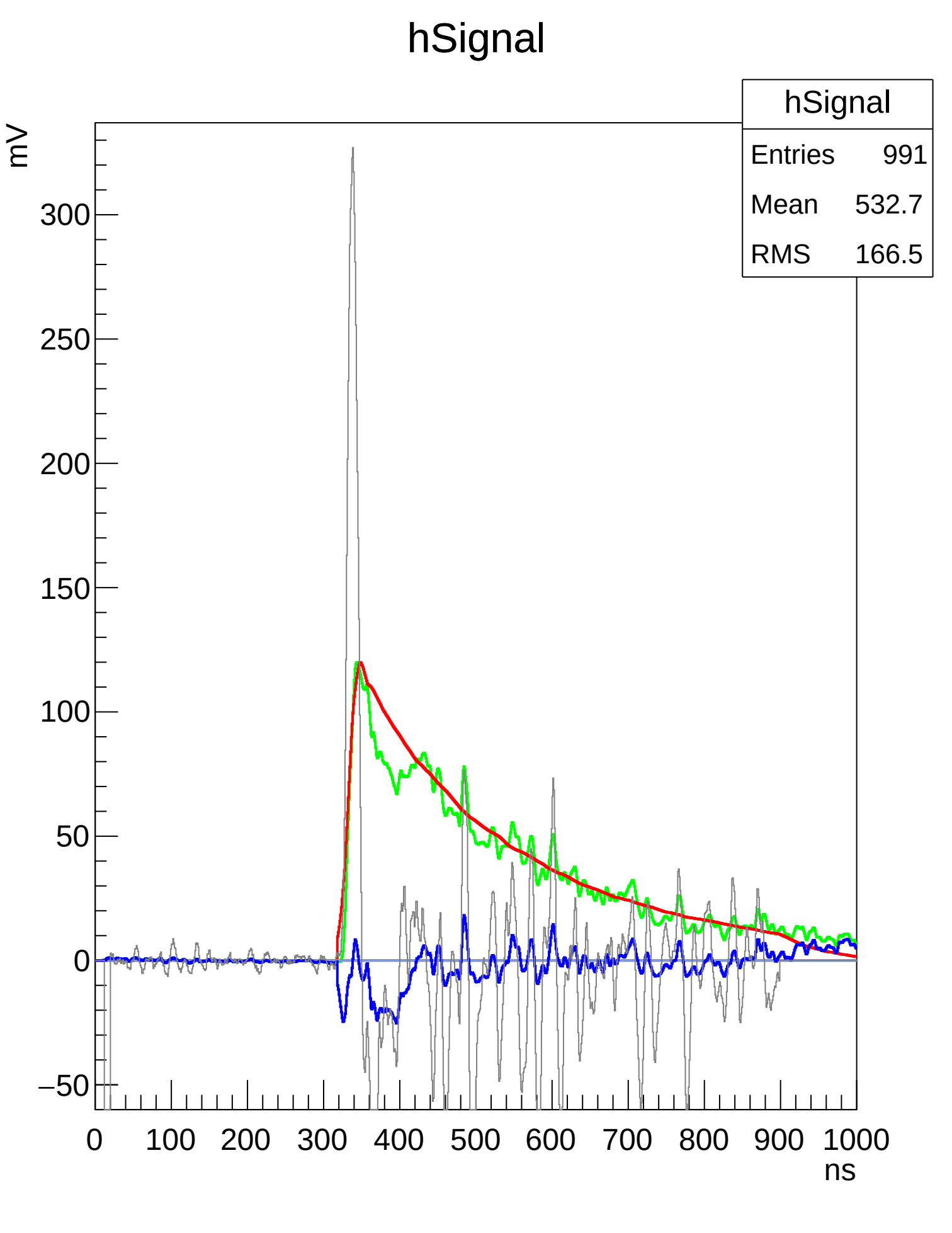
1000
ns


hSignal
hSignal
Entries 991
Mean 532.7
RMS 166.5
mV
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100
50
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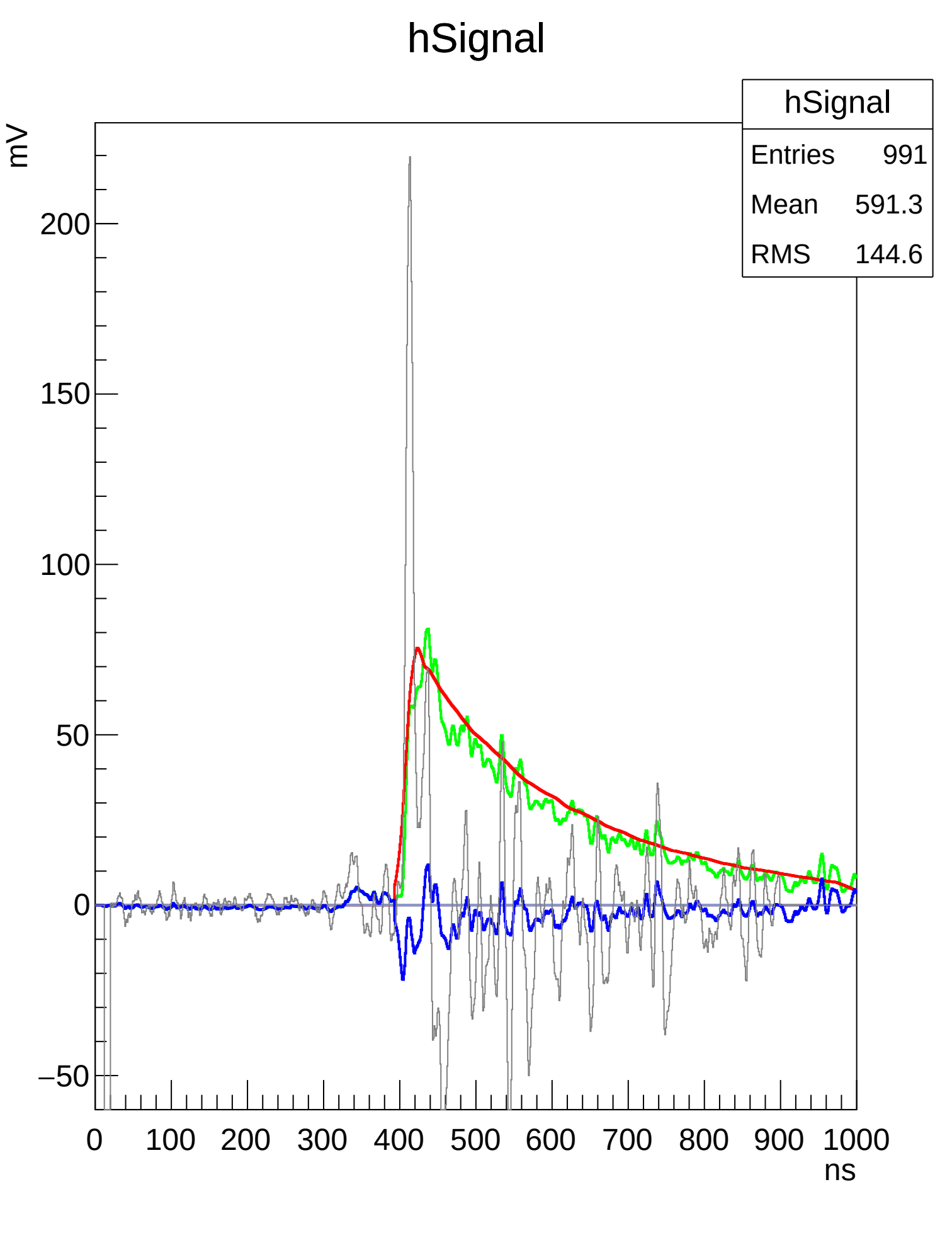
hSignal
hSignal
Entries 991
Mean 591.3
RMS 144.6
mV
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100
50
0
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200
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800
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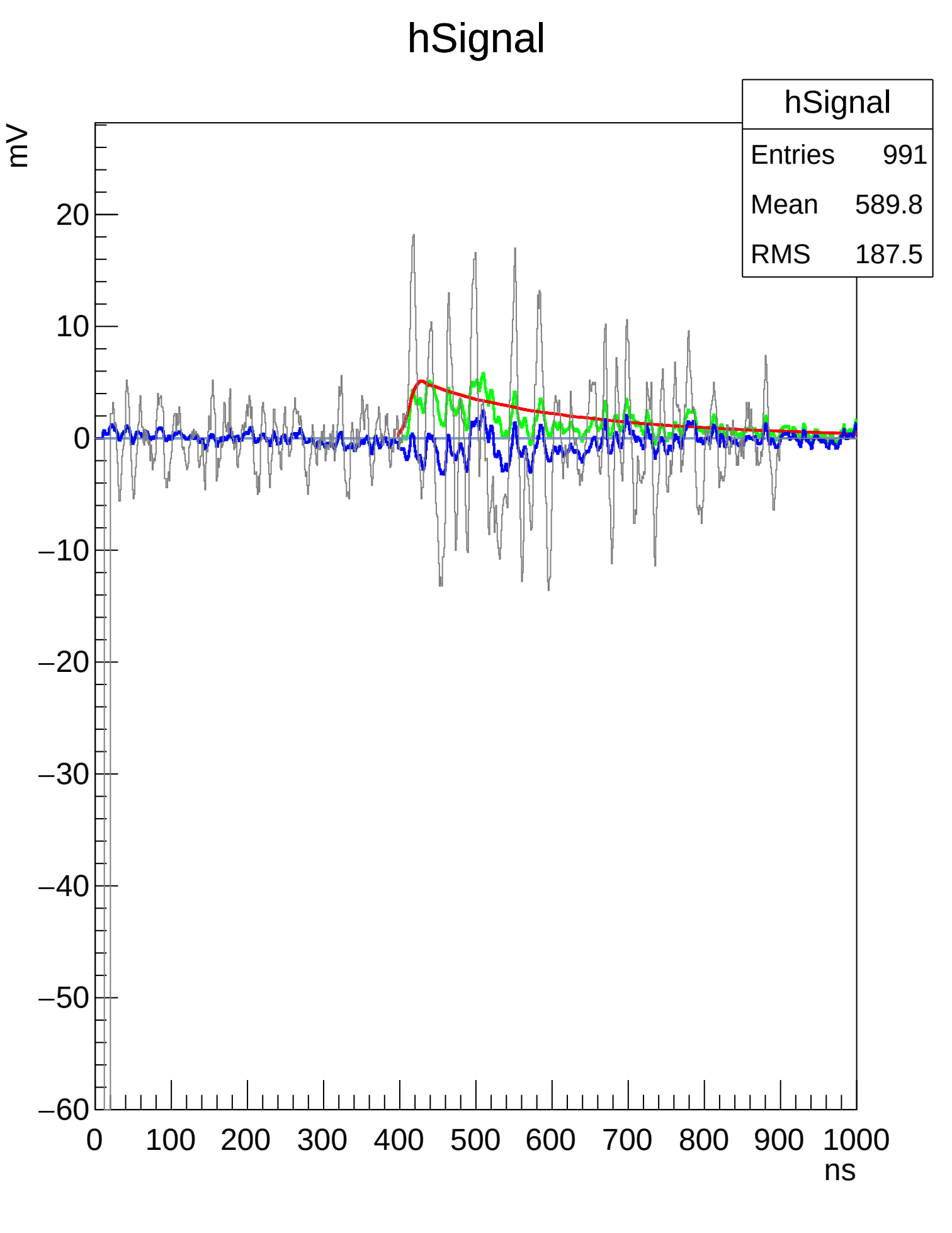
1000
ns


hSignal
hSignal
Entries 991
Mean 589.8
RMS 187.5
mV
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0
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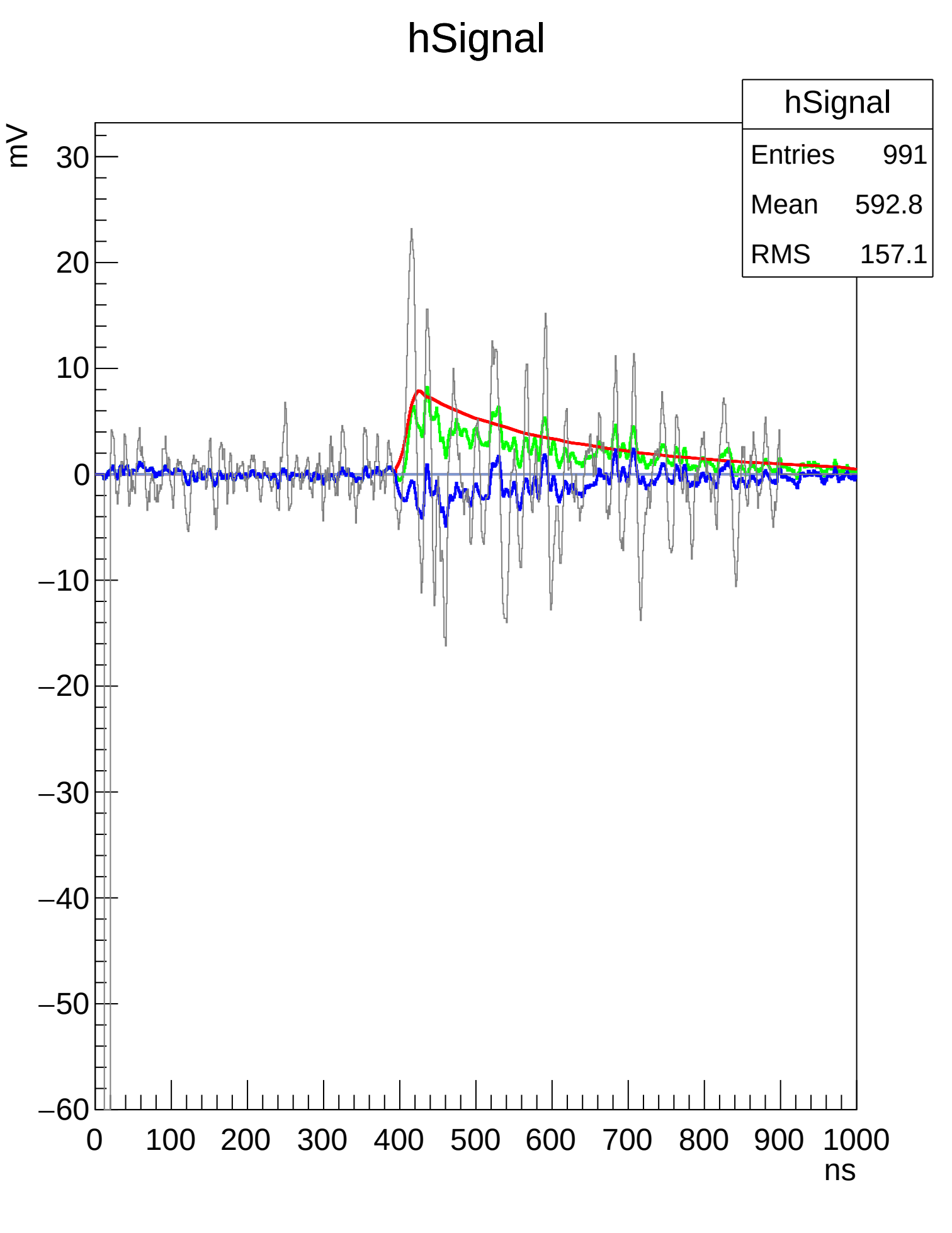
1000
ns


hSignal
hSignal
Entries 991
Mean 592.8
RMS 157.1
mV
30
20
10
0
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−40
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0
100
200
300
400
500
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800
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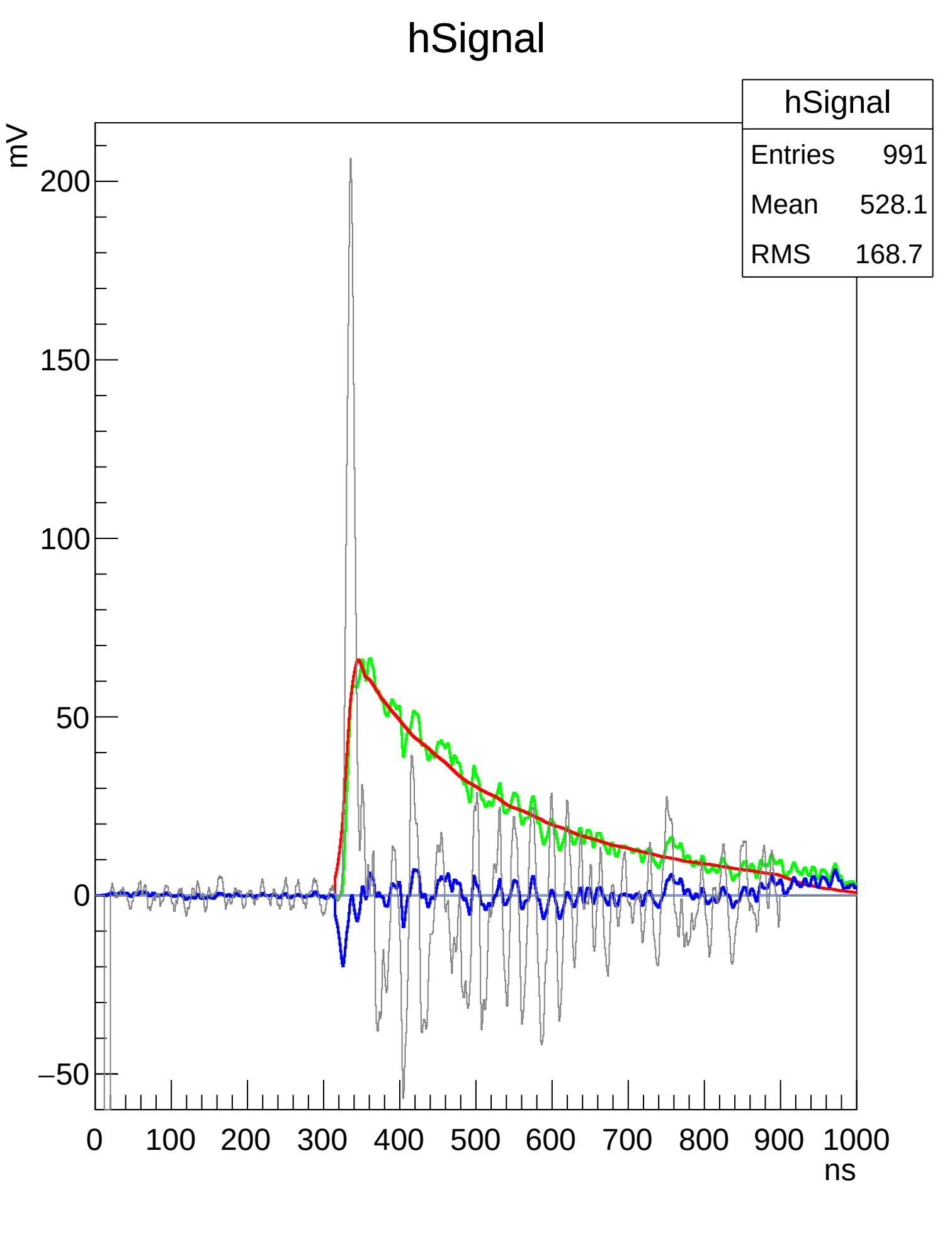
1000
ns


hSignal
hSignal
Entries 991
Mean 528.1
RMS 168.7
mV
200
150
100
50
0
−50
0
100
200
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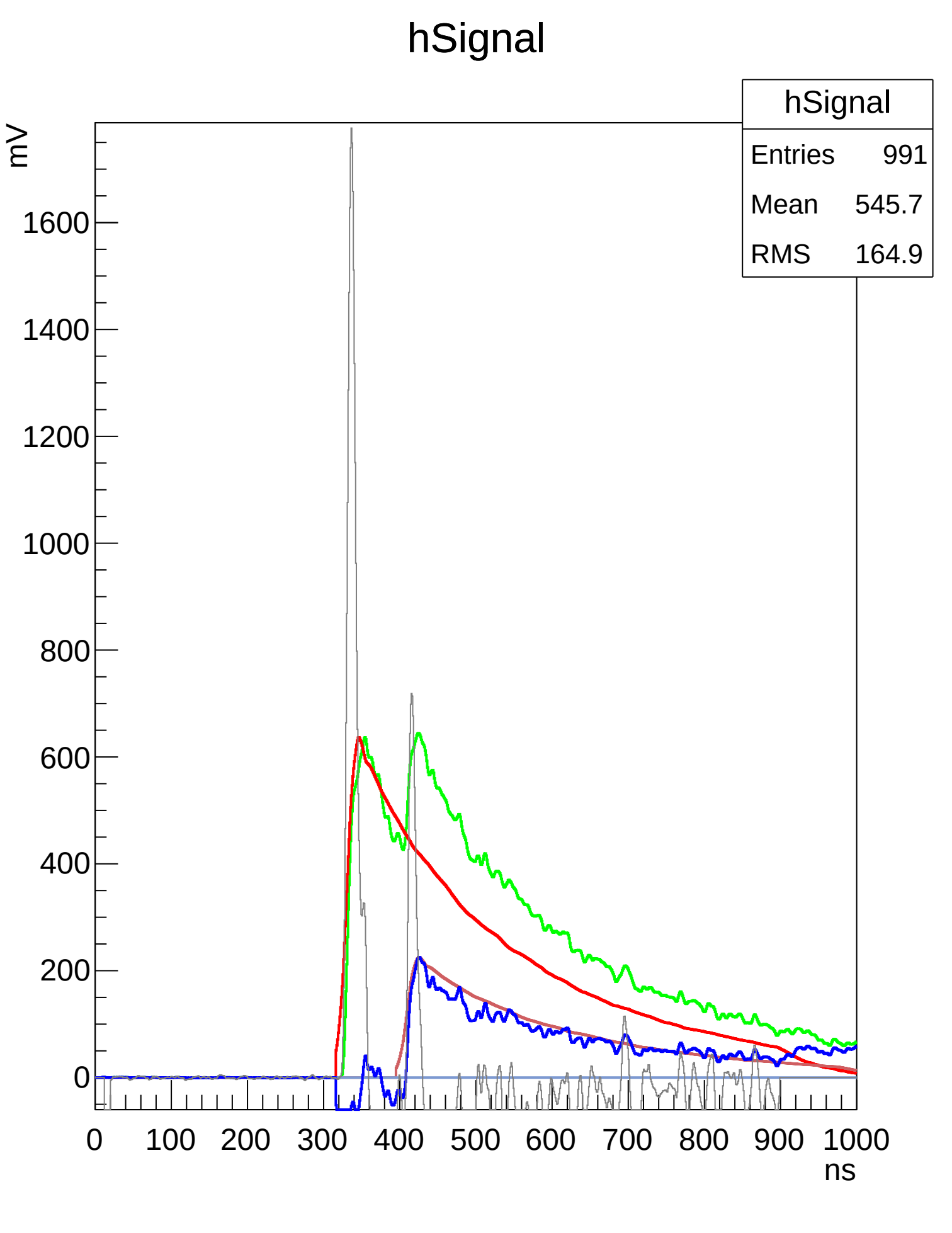
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.7
RMS 164.9
mV
1600
1400
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400
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800
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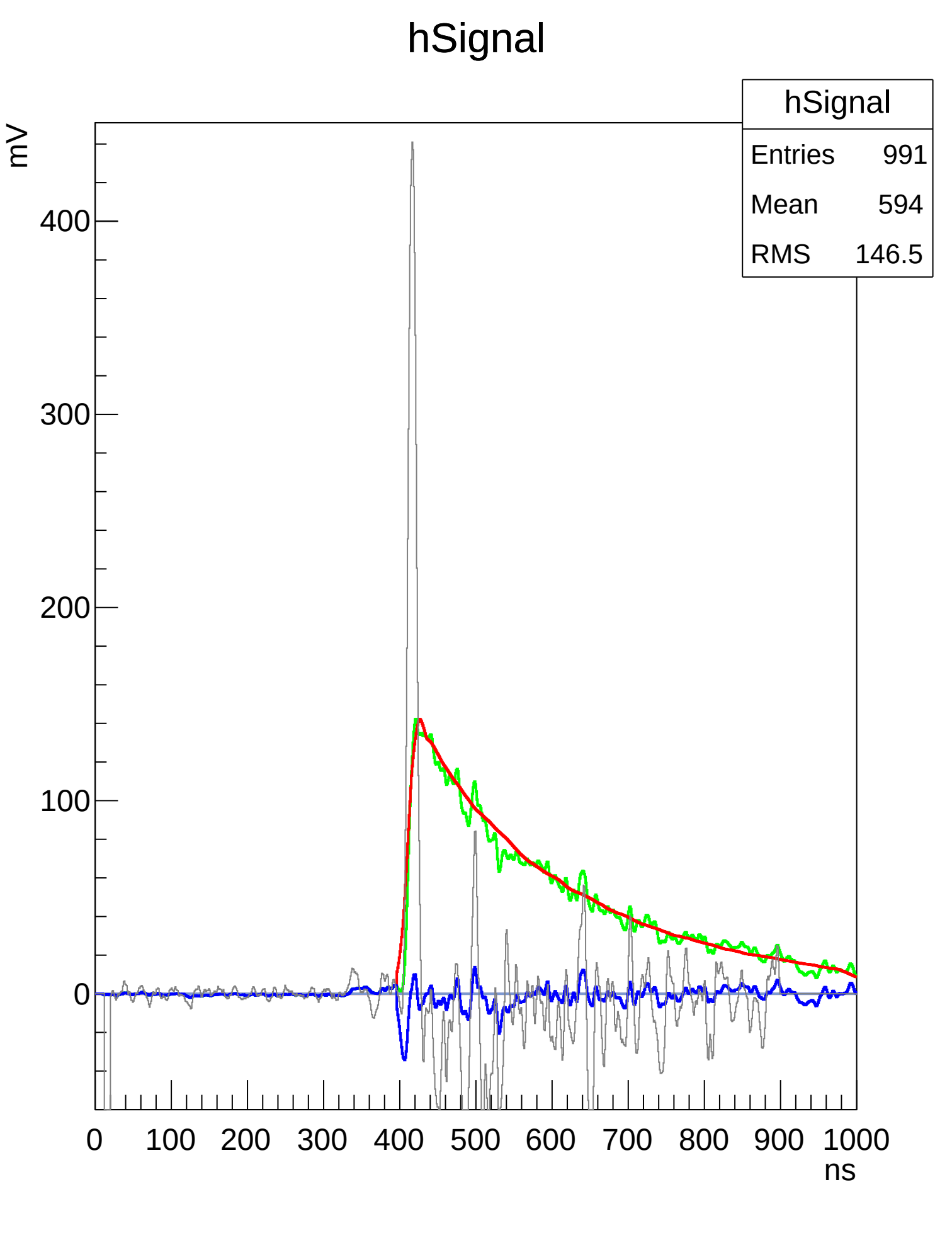
1000
ns


hSignal
hSignal
Entries 991
Mean 594
RMS 146.5
mV
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300
200
100
0
0
100
200
300
400
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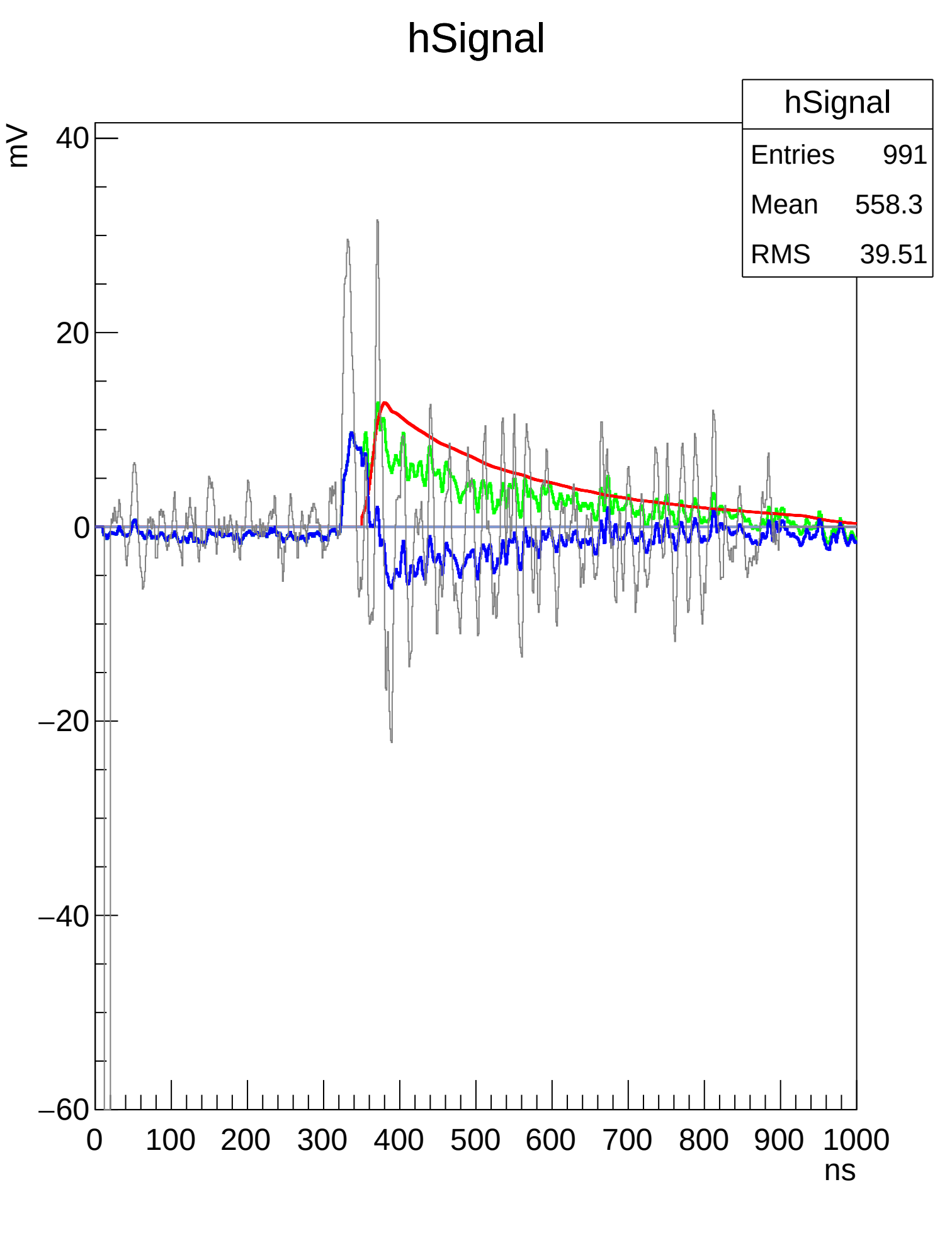
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.3
RMS 39.51
mV
40
20
0
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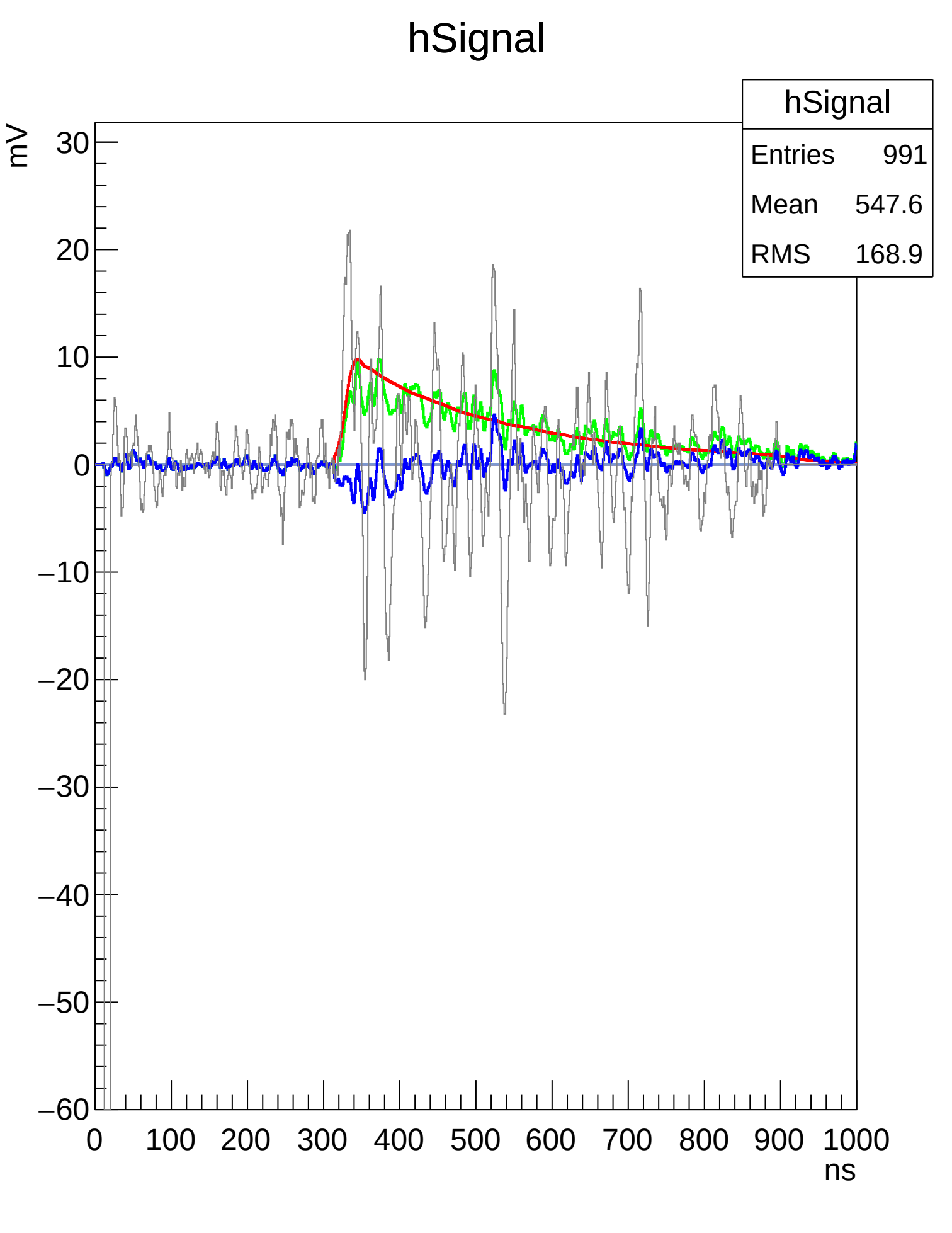
hSignal
hSignal
Entries 991
Mean 547.6
RMS 168.9
mV
30
20
10
0
−10
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−40
−50
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400
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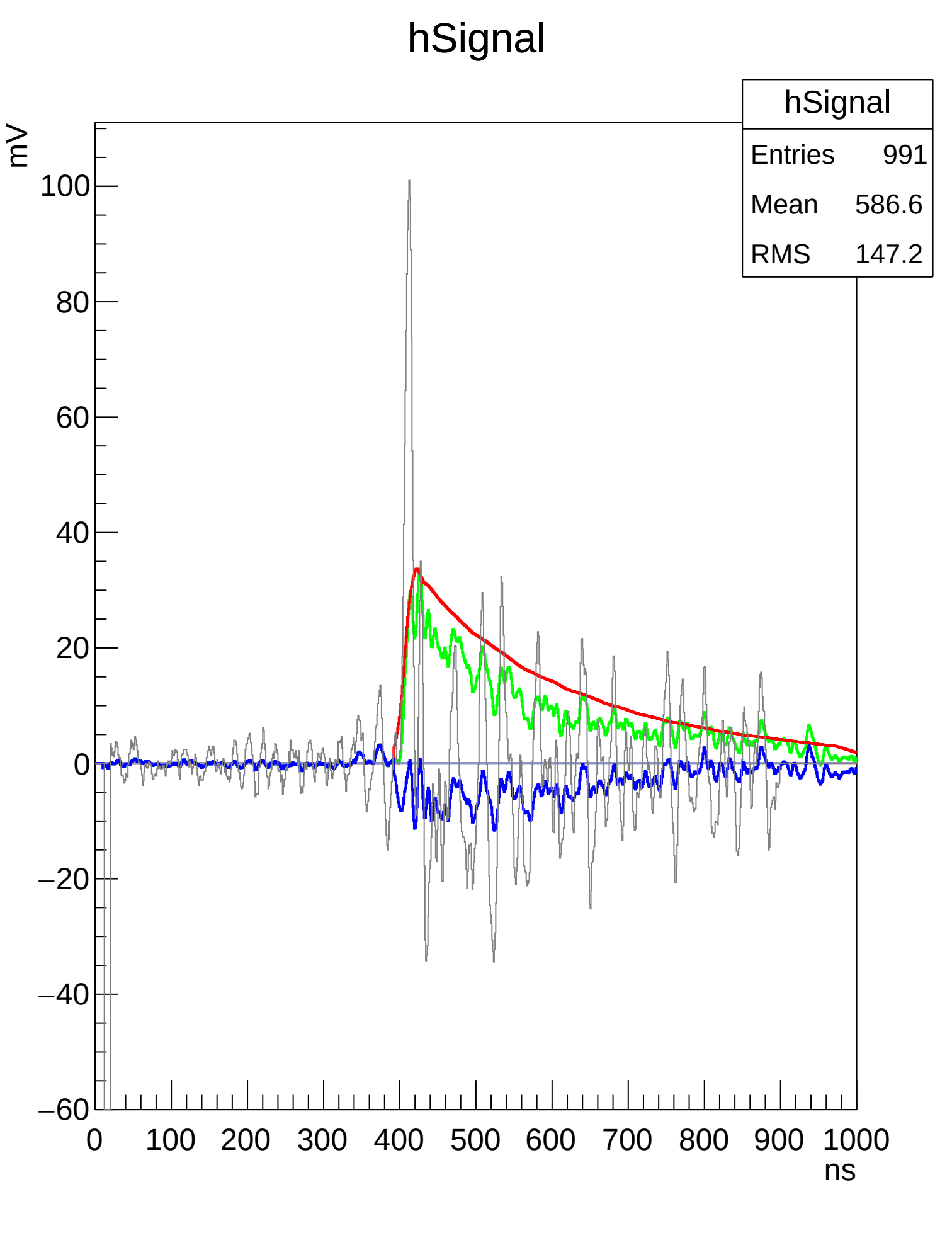
hSignal
hSignal
Entries 991
Mean 586.6
RMS 147.2
mV
100
80
60
40
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−20
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0
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400
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800
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1000
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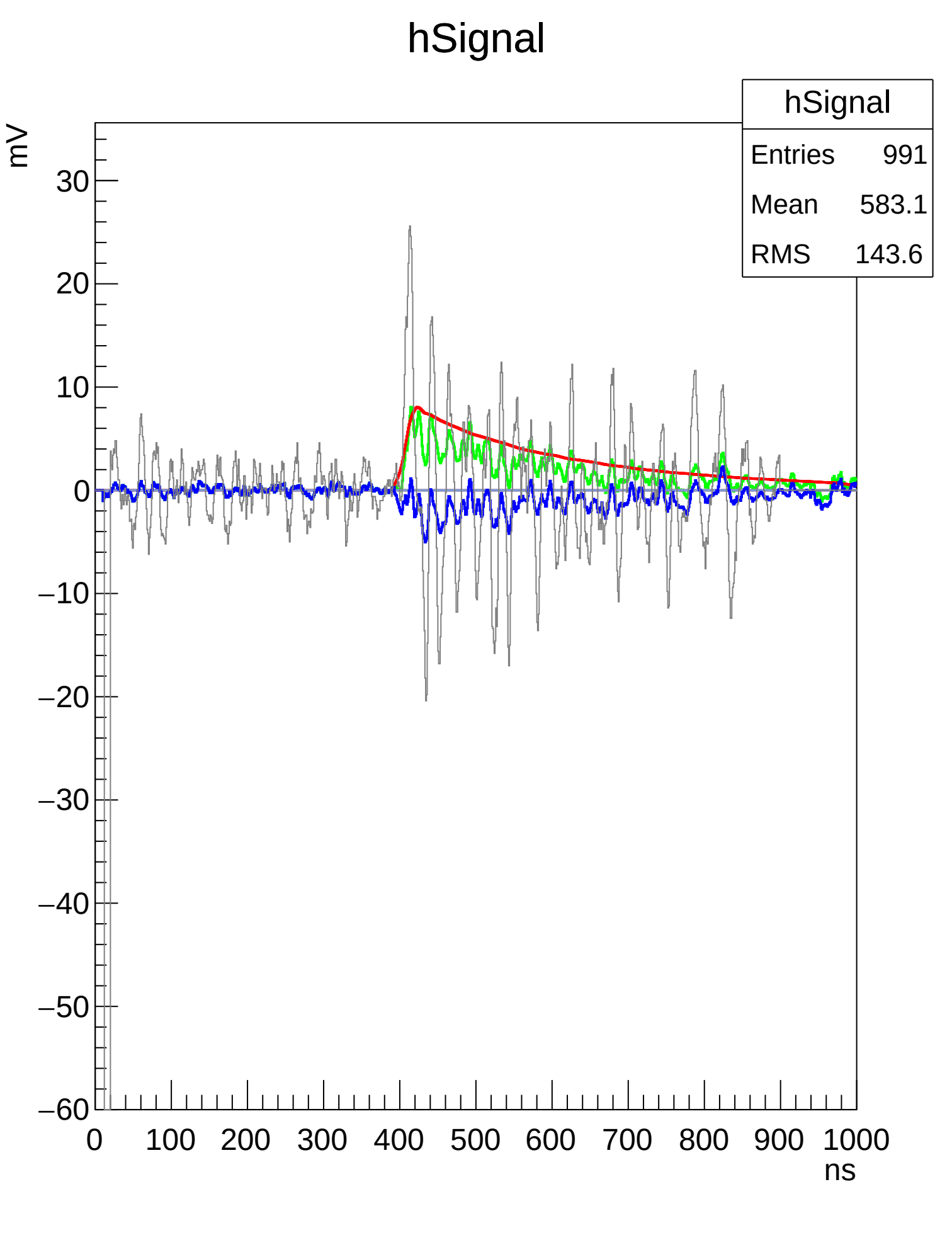
hSignal
hSignal
Entries 991
Mean 583.1
RMS 143.6
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
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800
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1000
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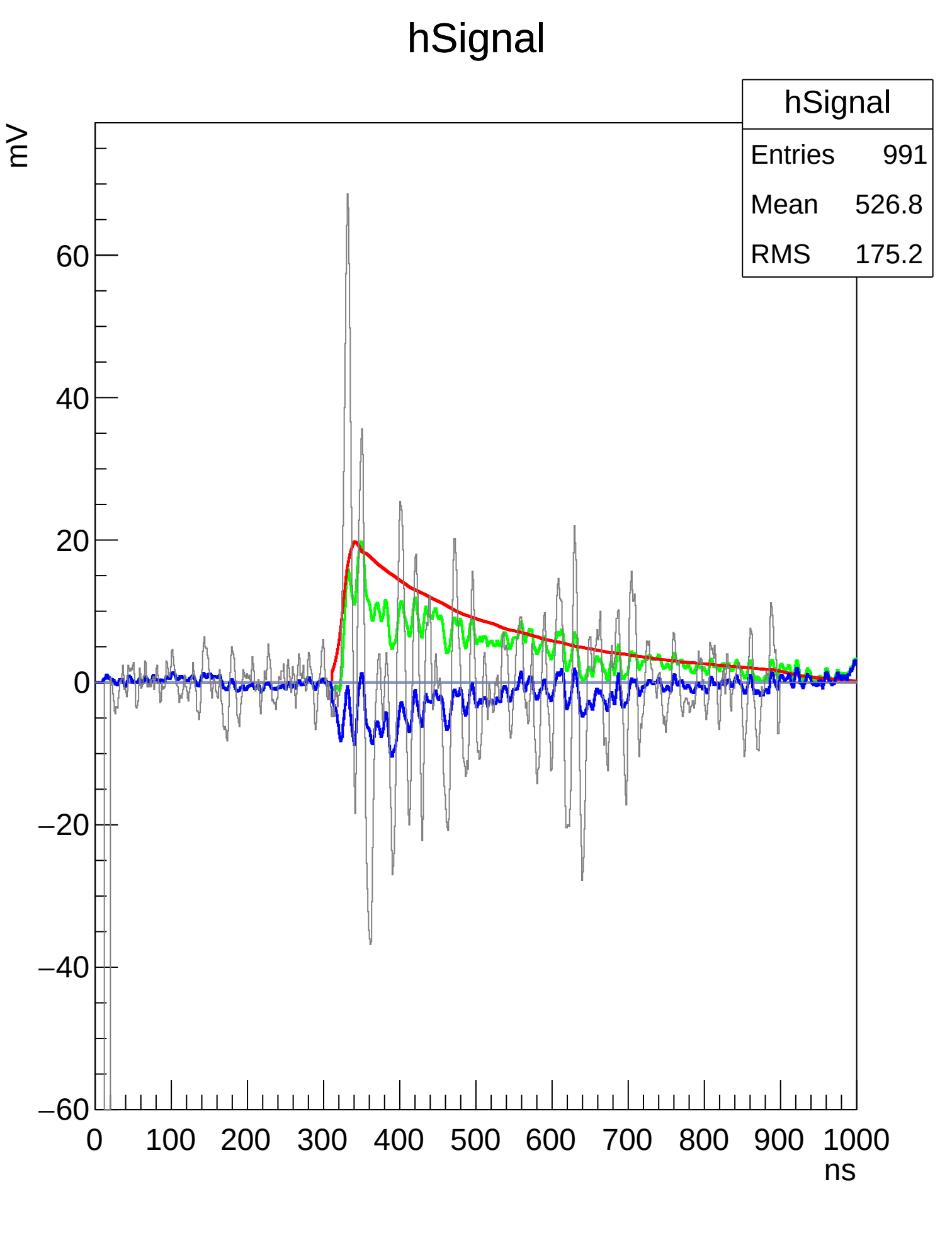
hSignal
hSignal
Entries 991
Mean 526.8
RMS 175.2
mV
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−20
−40
−60
0
100
200
300
400
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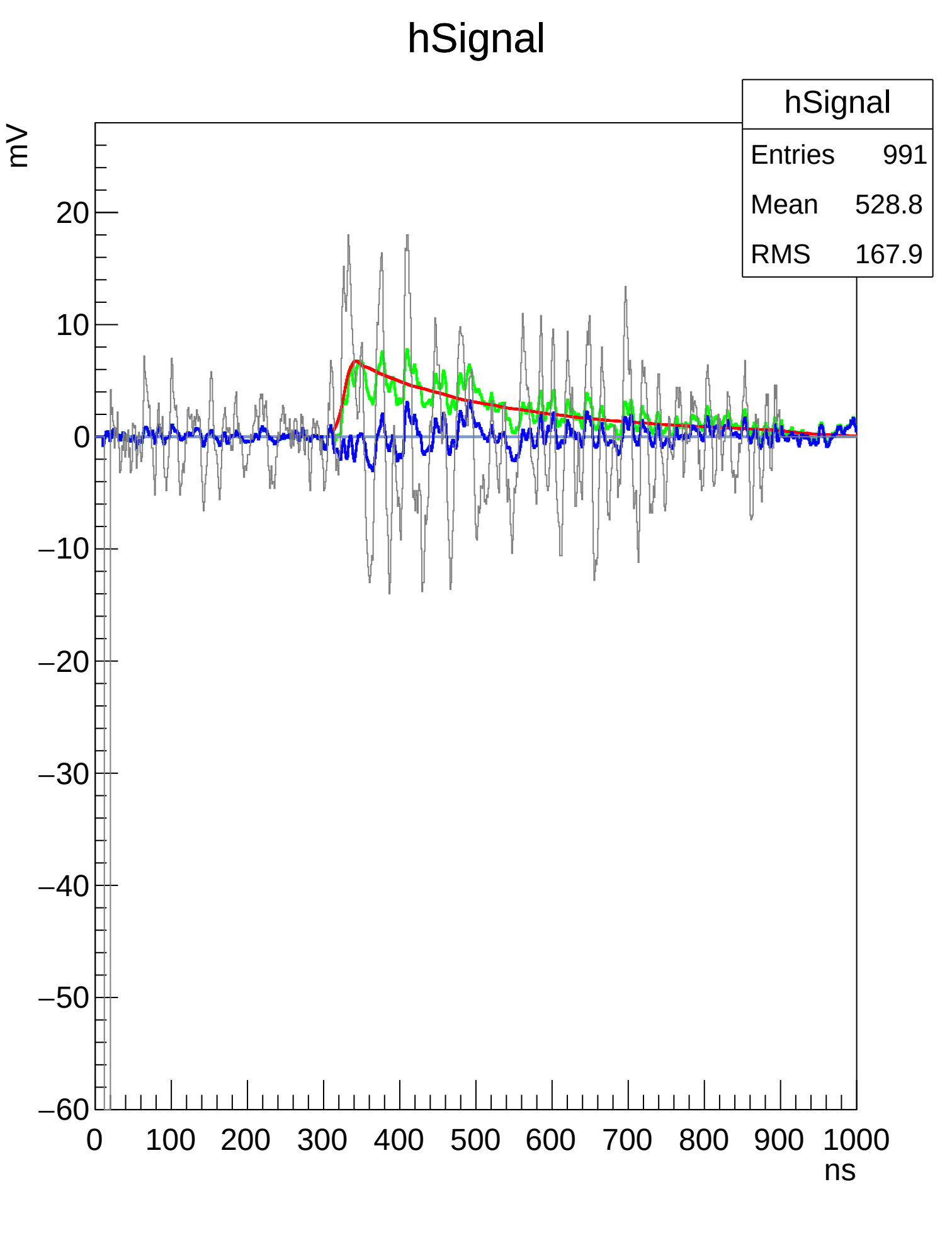
1000
ns


hSignal
hSignal
Entries 991
Mean 528.8
RMS 167.9
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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800
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1000
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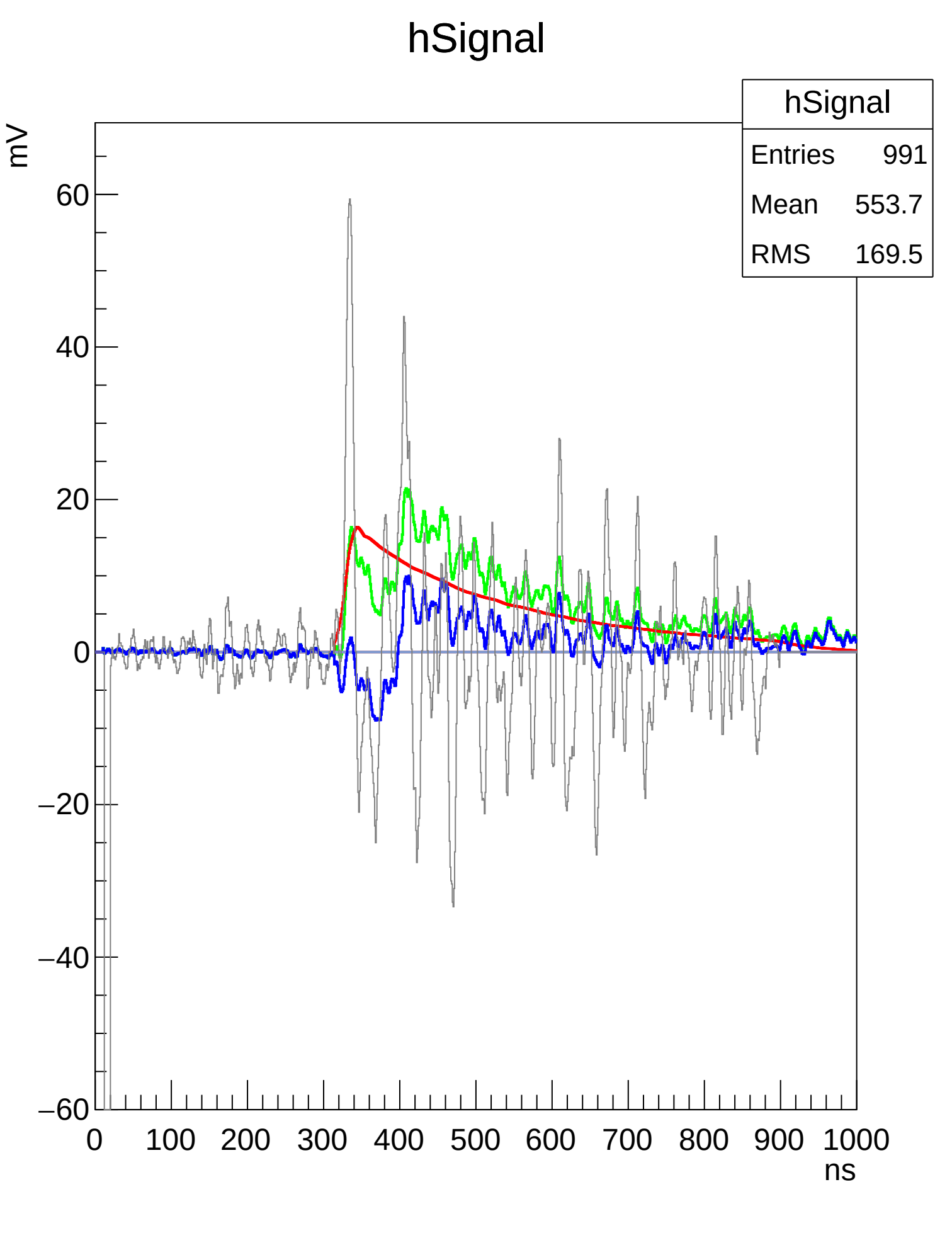
hSignal
hSignal
Entries 991
Mean 553.7
RMS 169.5
mV
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0
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1000
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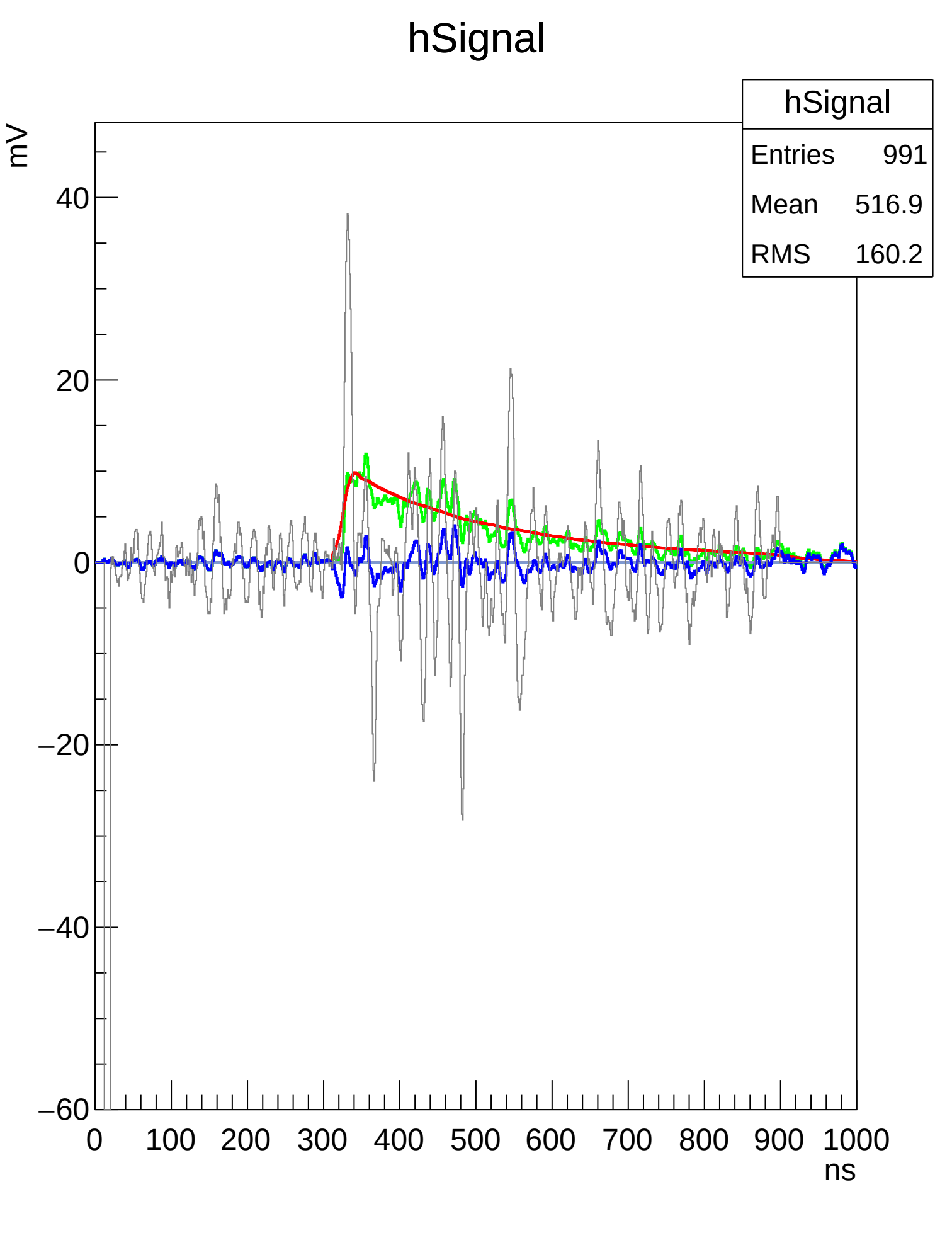
hSignal
hSignal
Entries 991
Mean 516.9
RMS 160.2
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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1000
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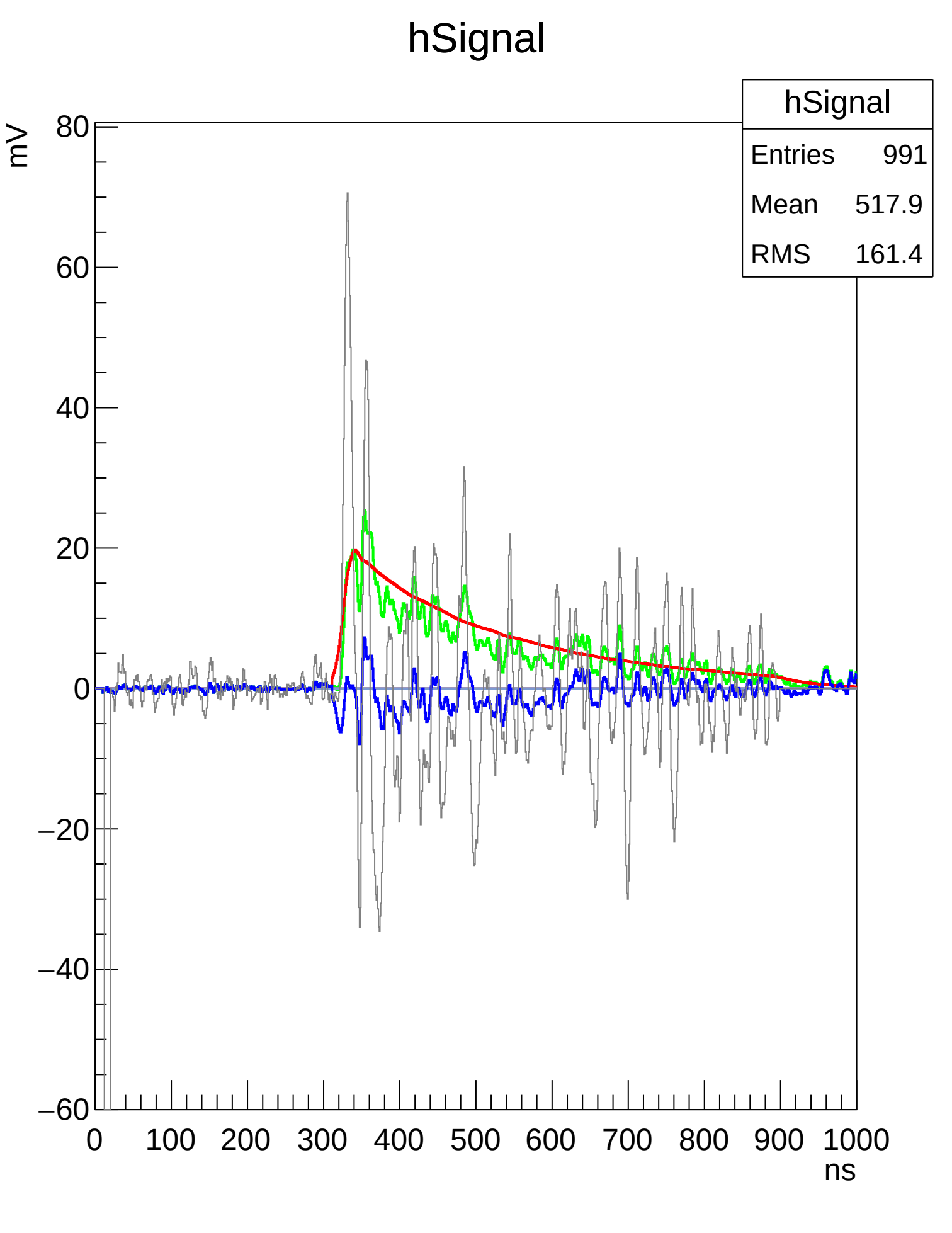
hSignal
hSignal
Entries 991
Mean 517.9
RMS 161.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
500
600
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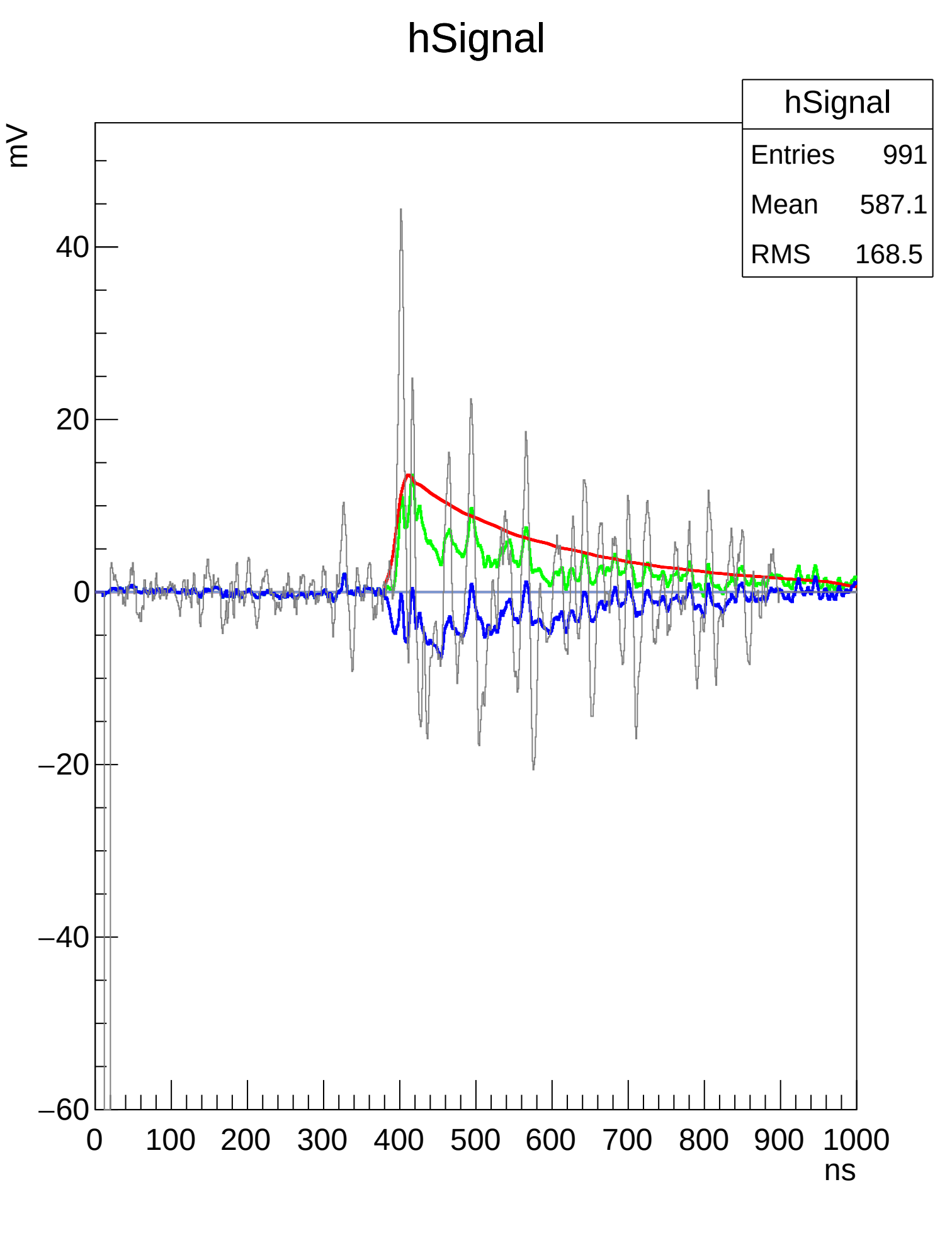
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.1
RMS 168.5
mV
40
20
0
−20
−40
−60
0
100
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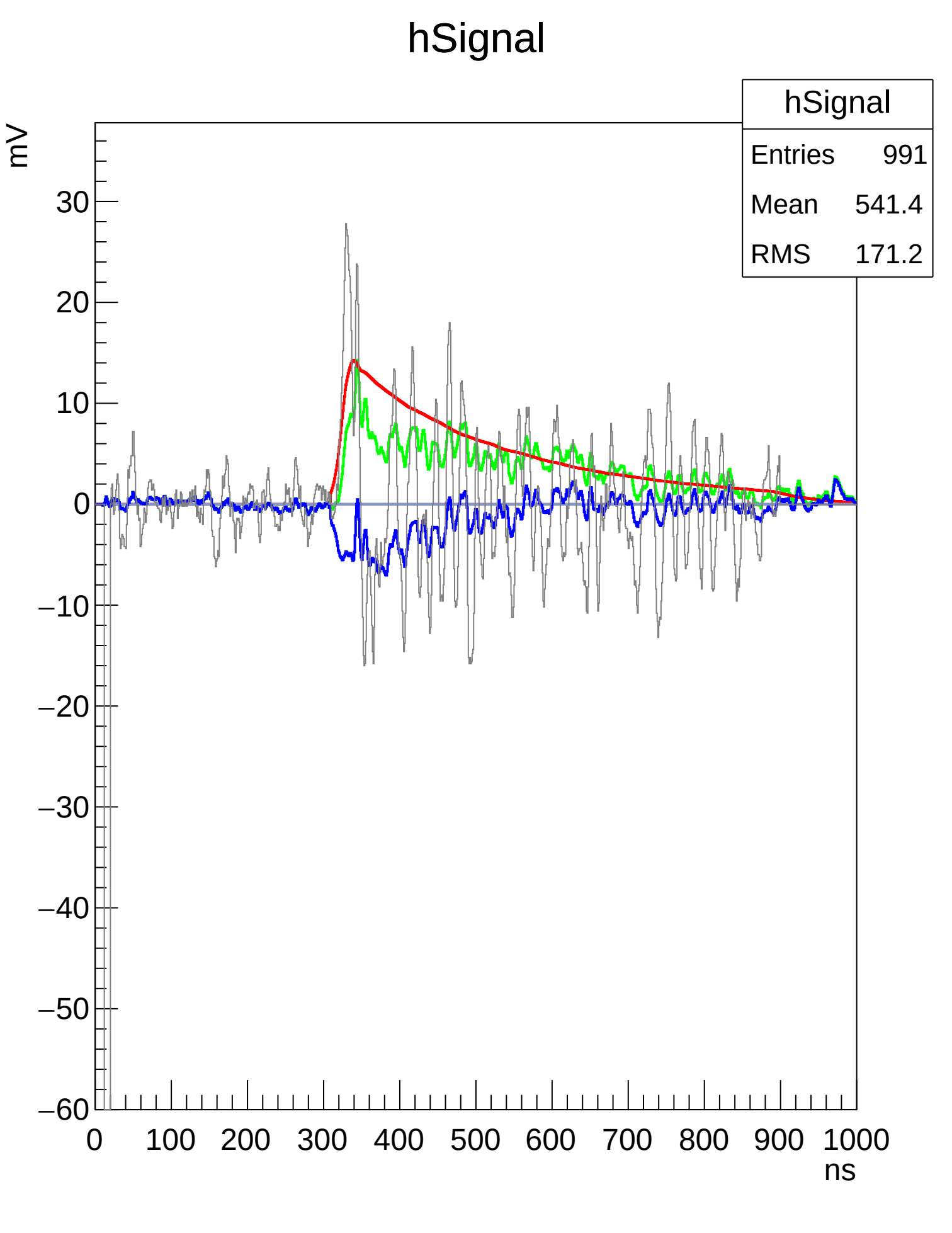
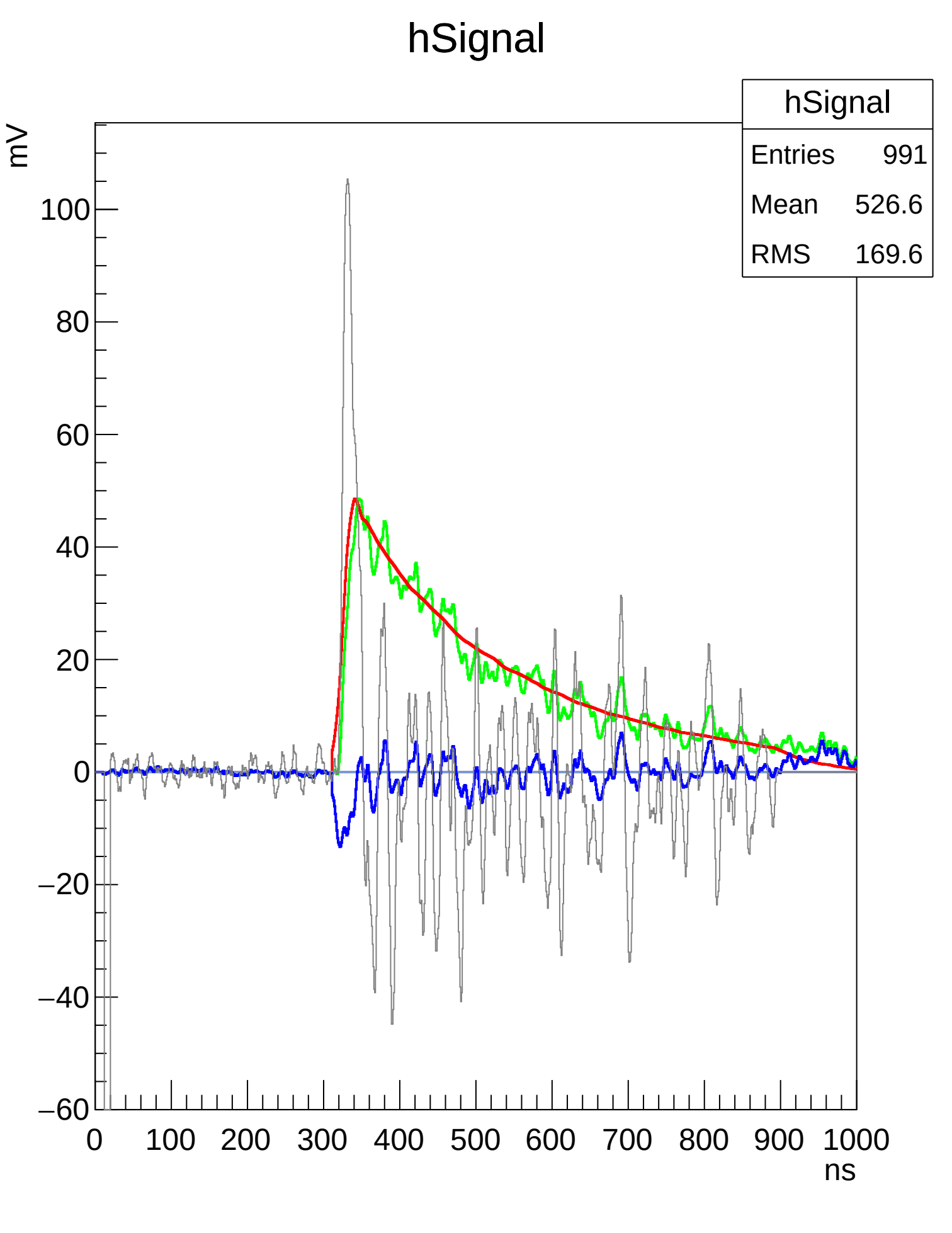
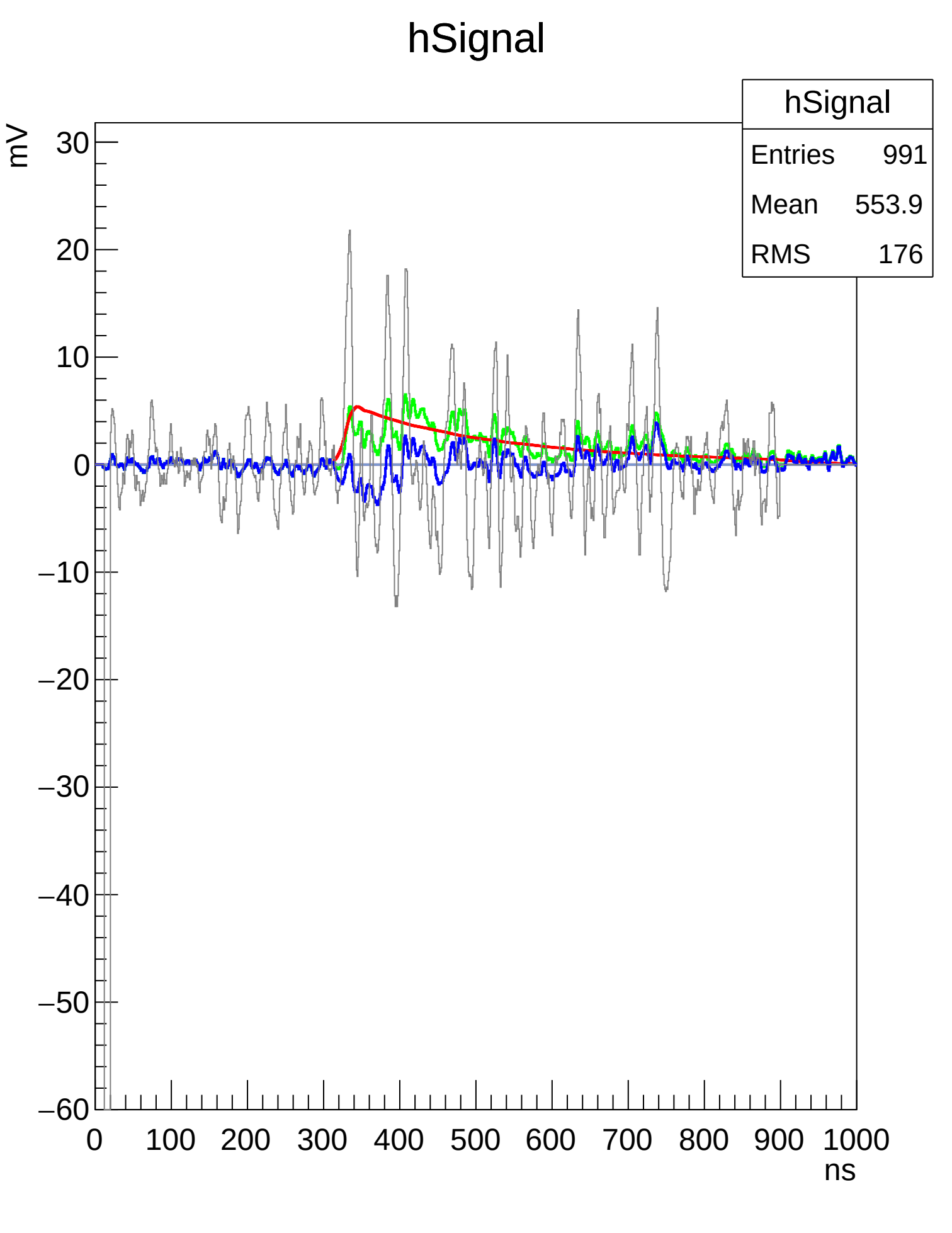
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.4
RMS 171.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.6
RMS 169.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.9
RMS 176
mV
30
20
10
0
−10
−20
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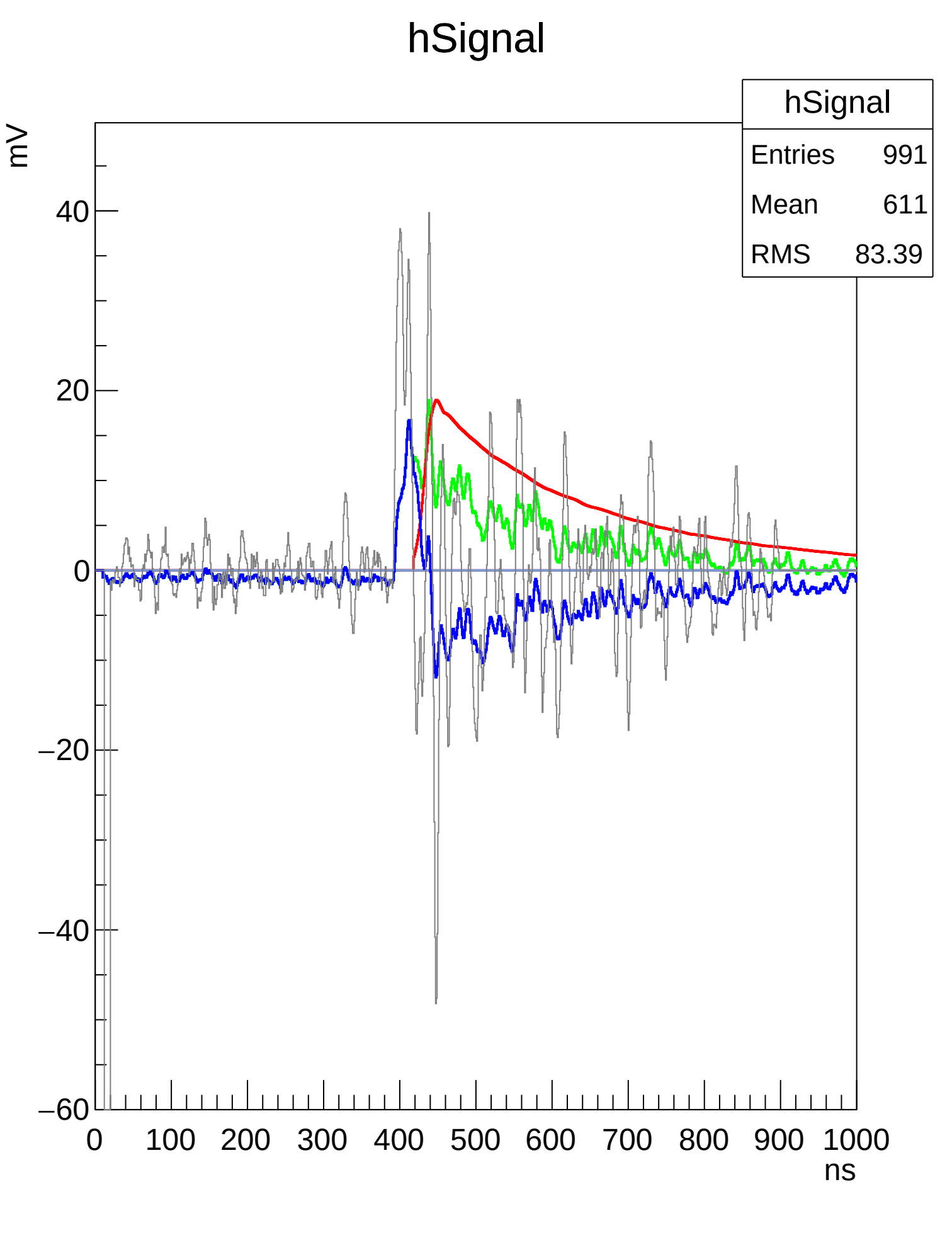
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611
RMS 83.39
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−20
−40
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0
100
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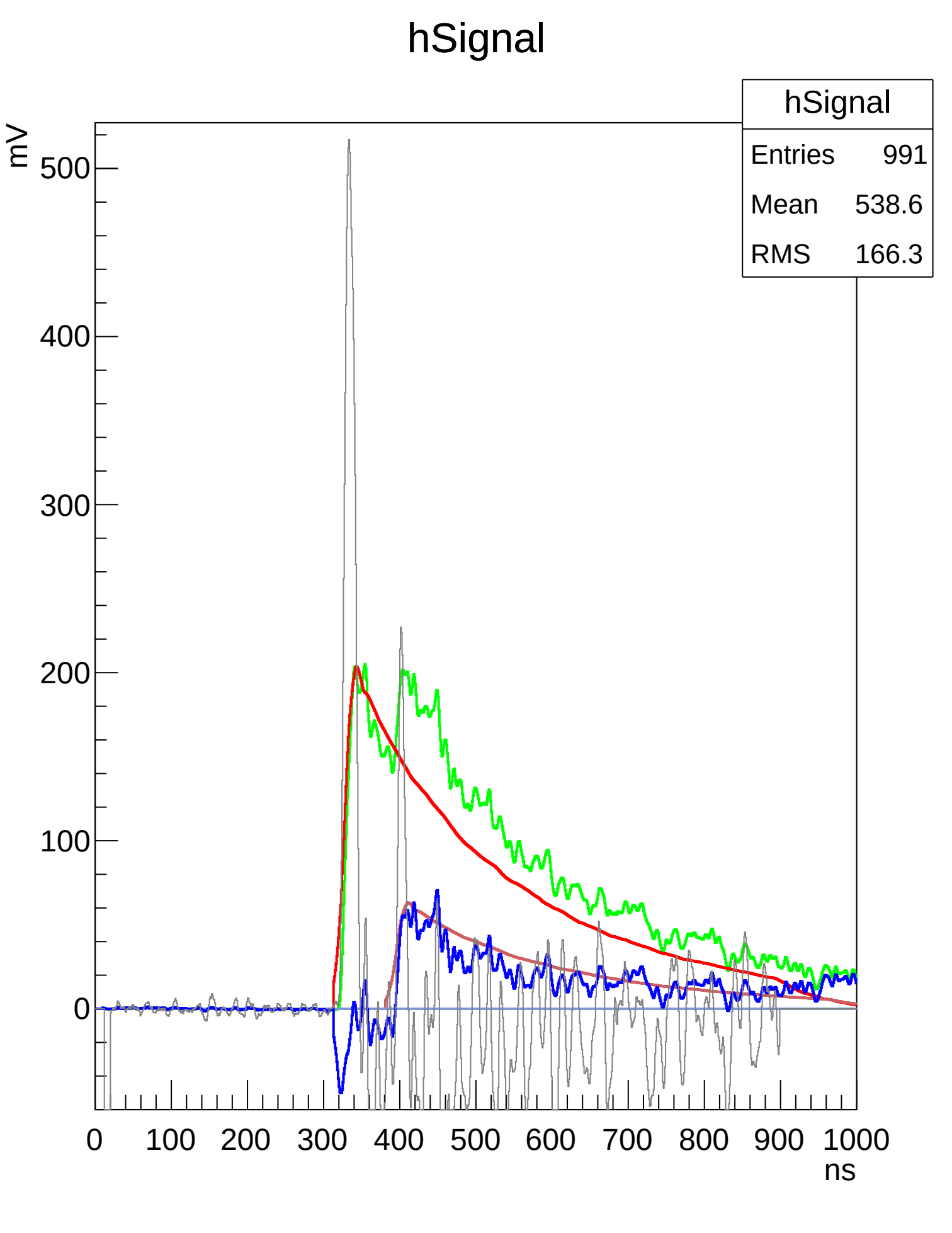
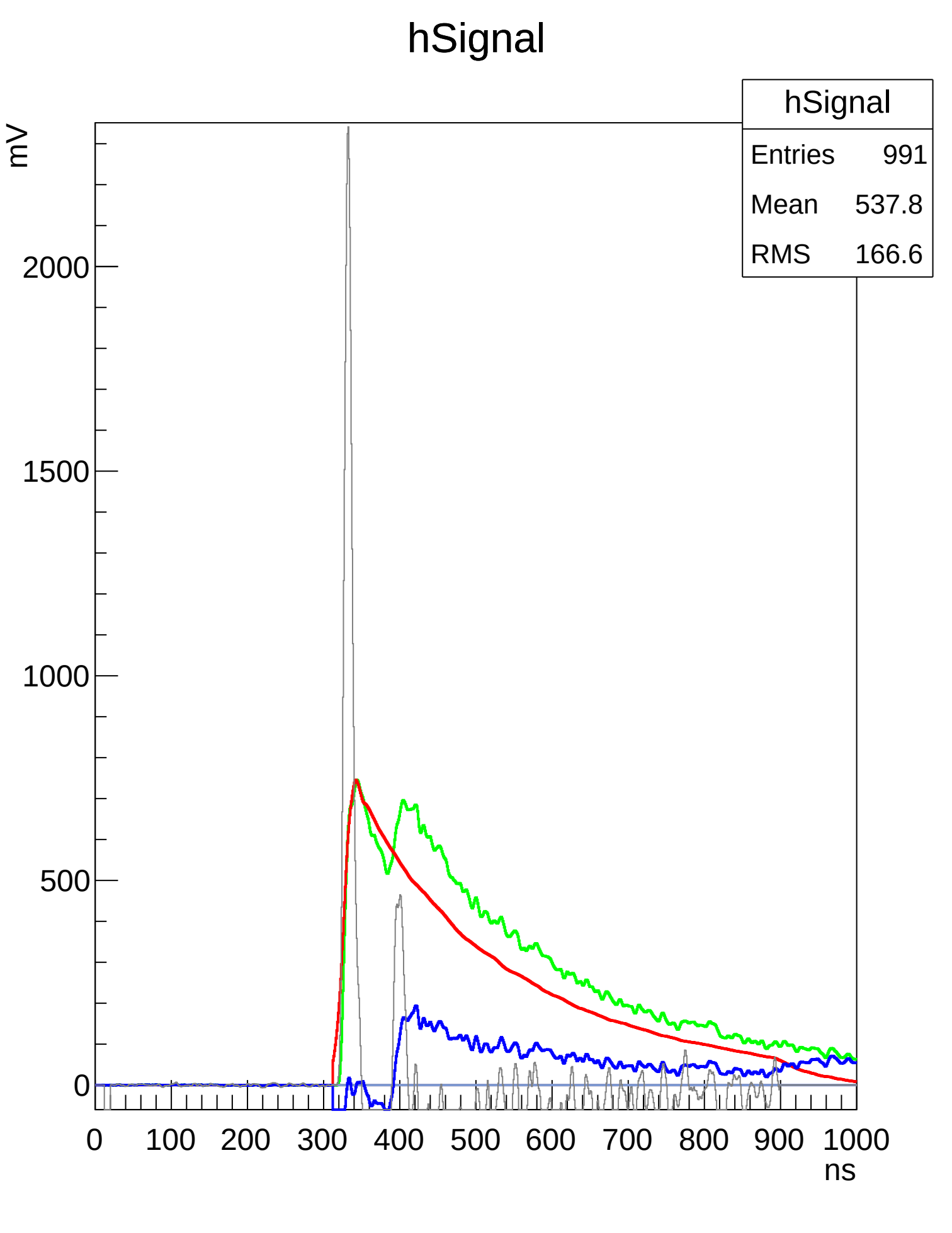
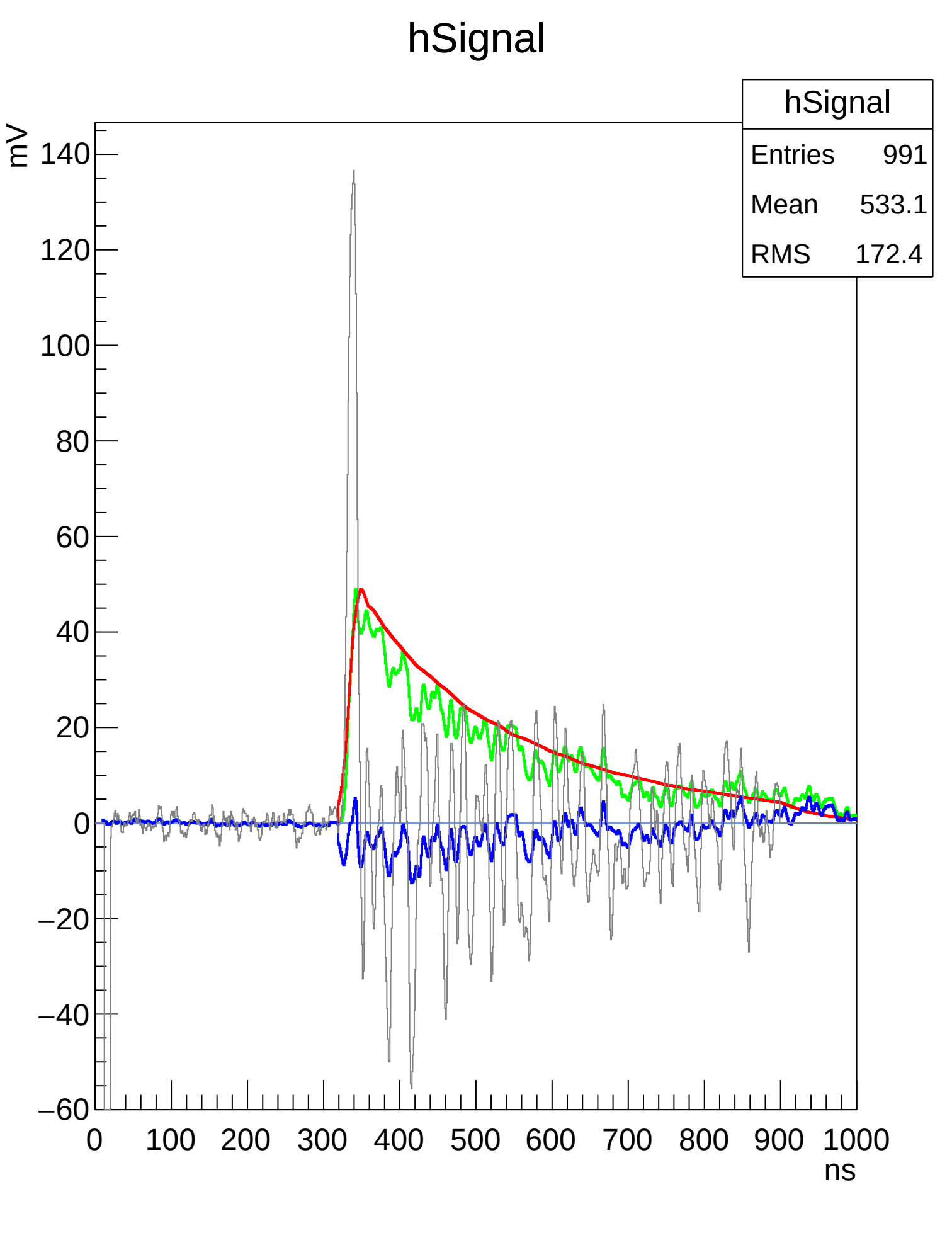
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.6
RMS 166.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.8
RMS 166.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.1
RMS 172.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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800
900
1000
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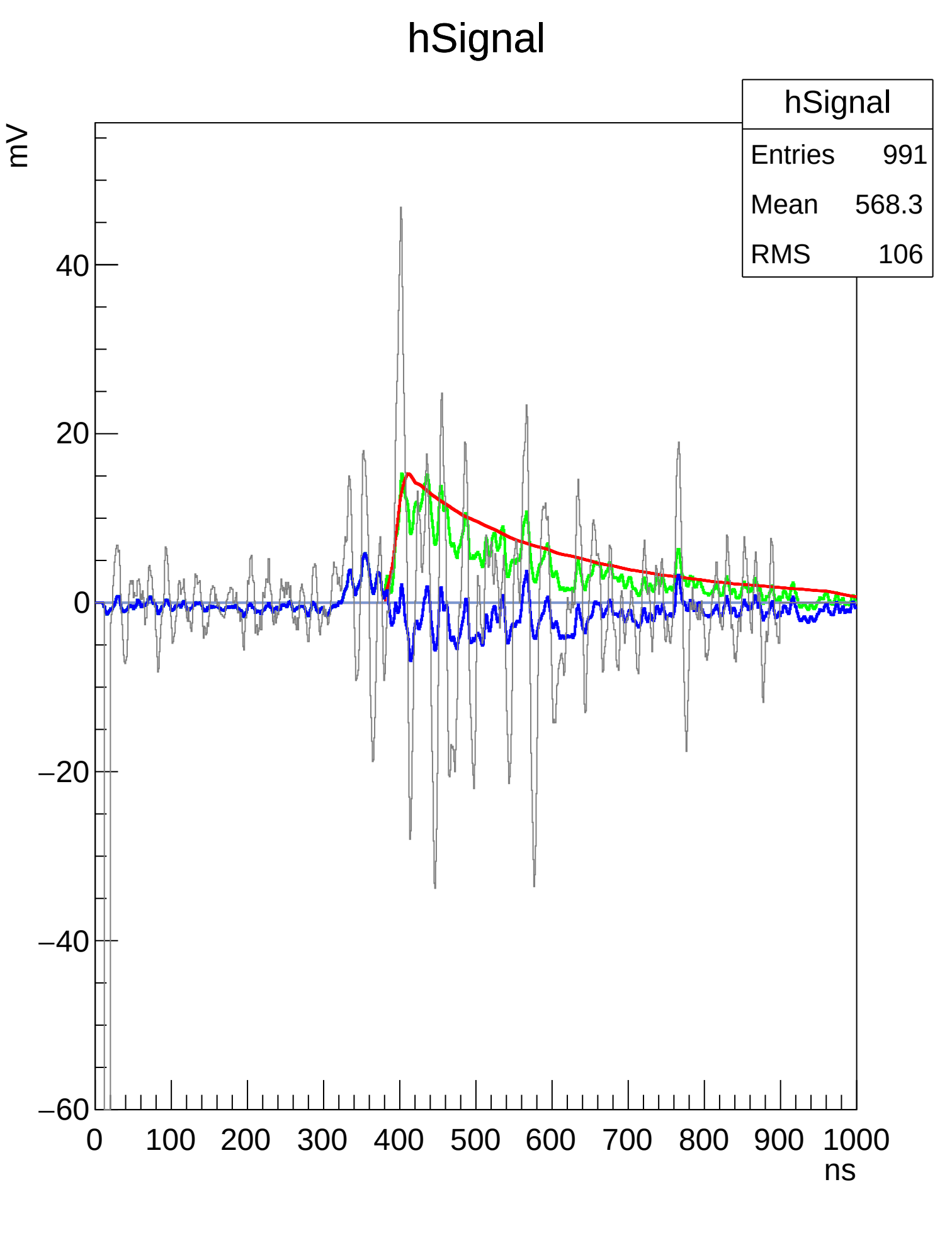
hSignal
hSignal
Entries 991
Mean 568.3
RMS 106
mV
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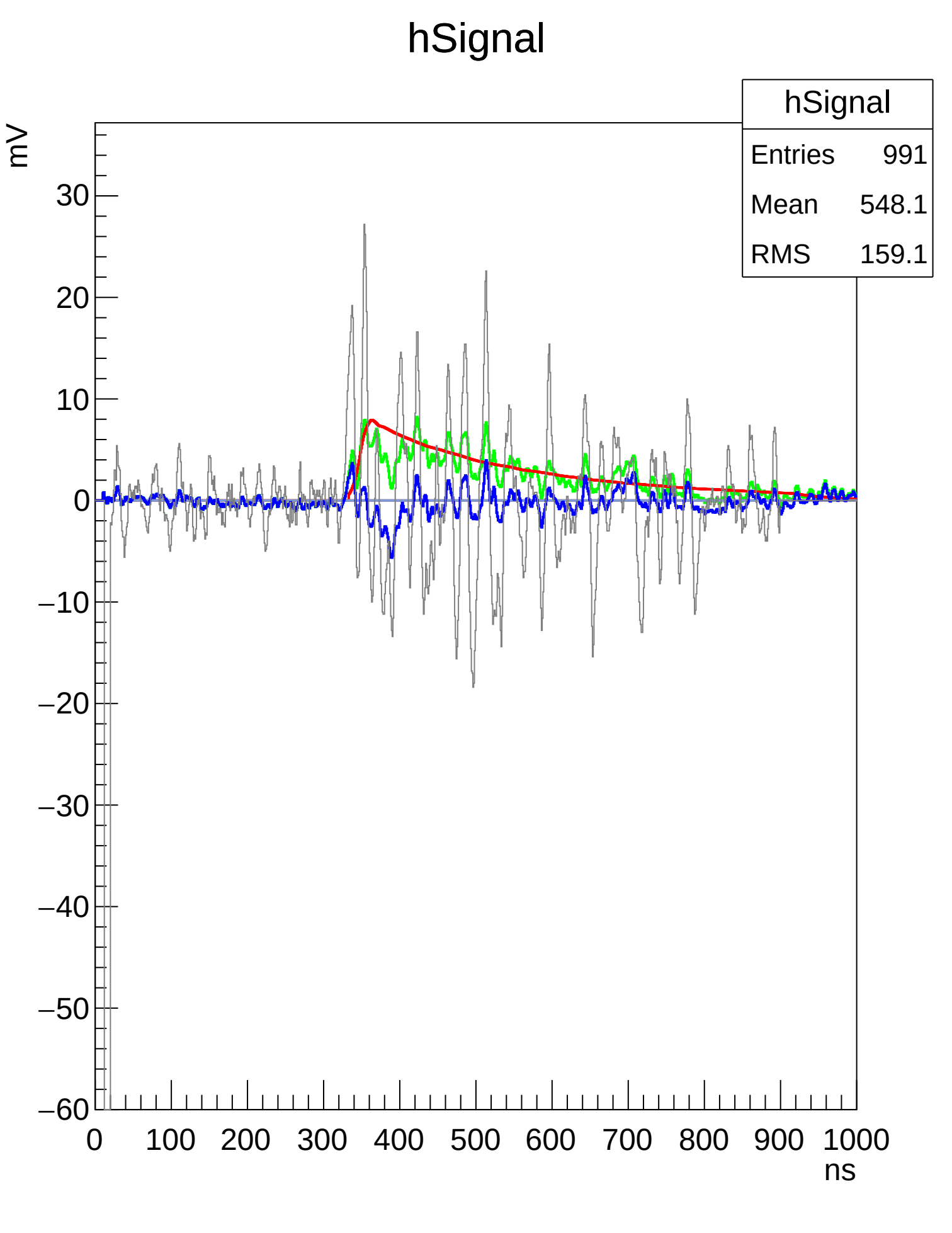
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.1
RMS 159.1
mV
30
20
10
0
−10
−20
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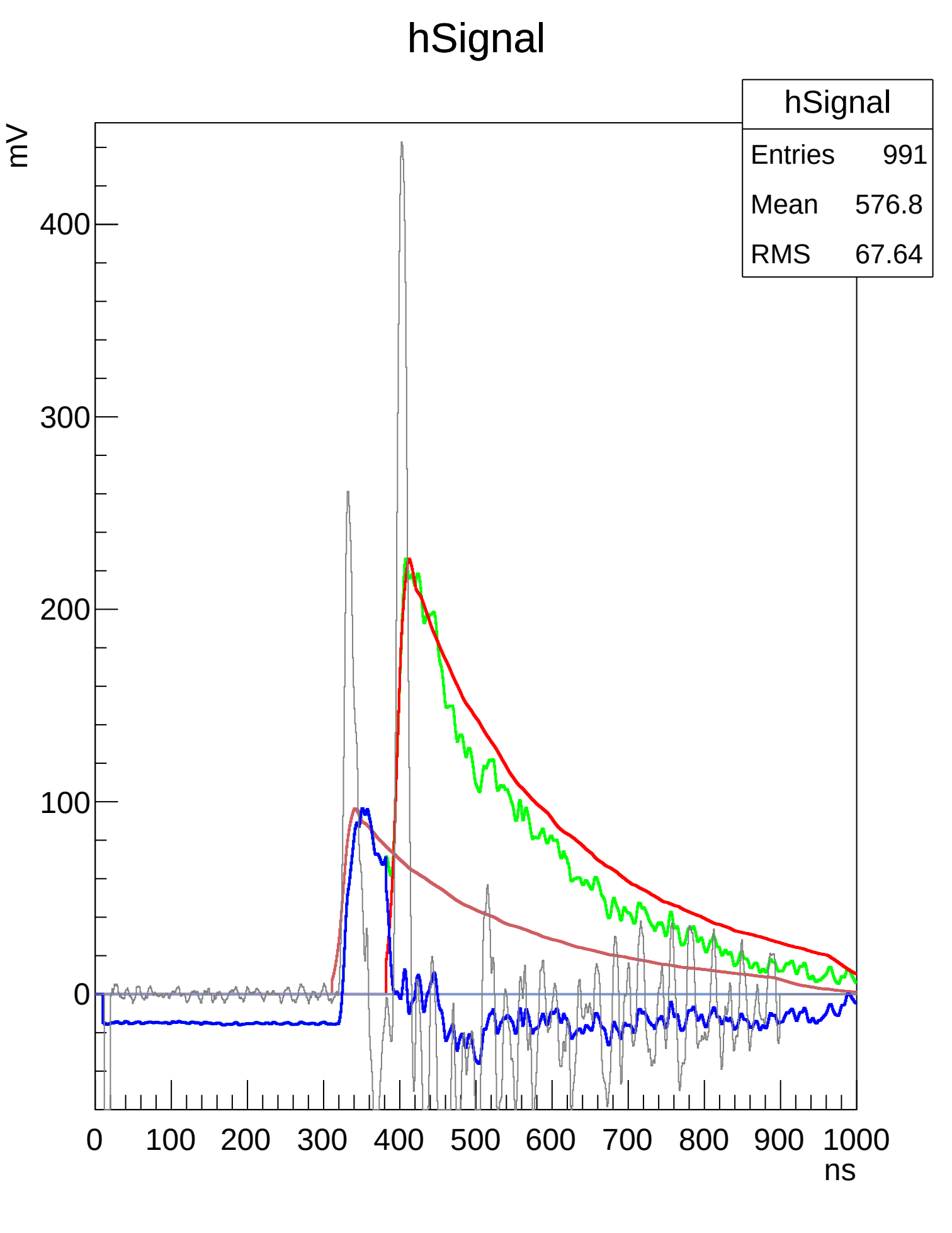
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.8
RMS 67.64
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100
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0
100
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800
900
1000
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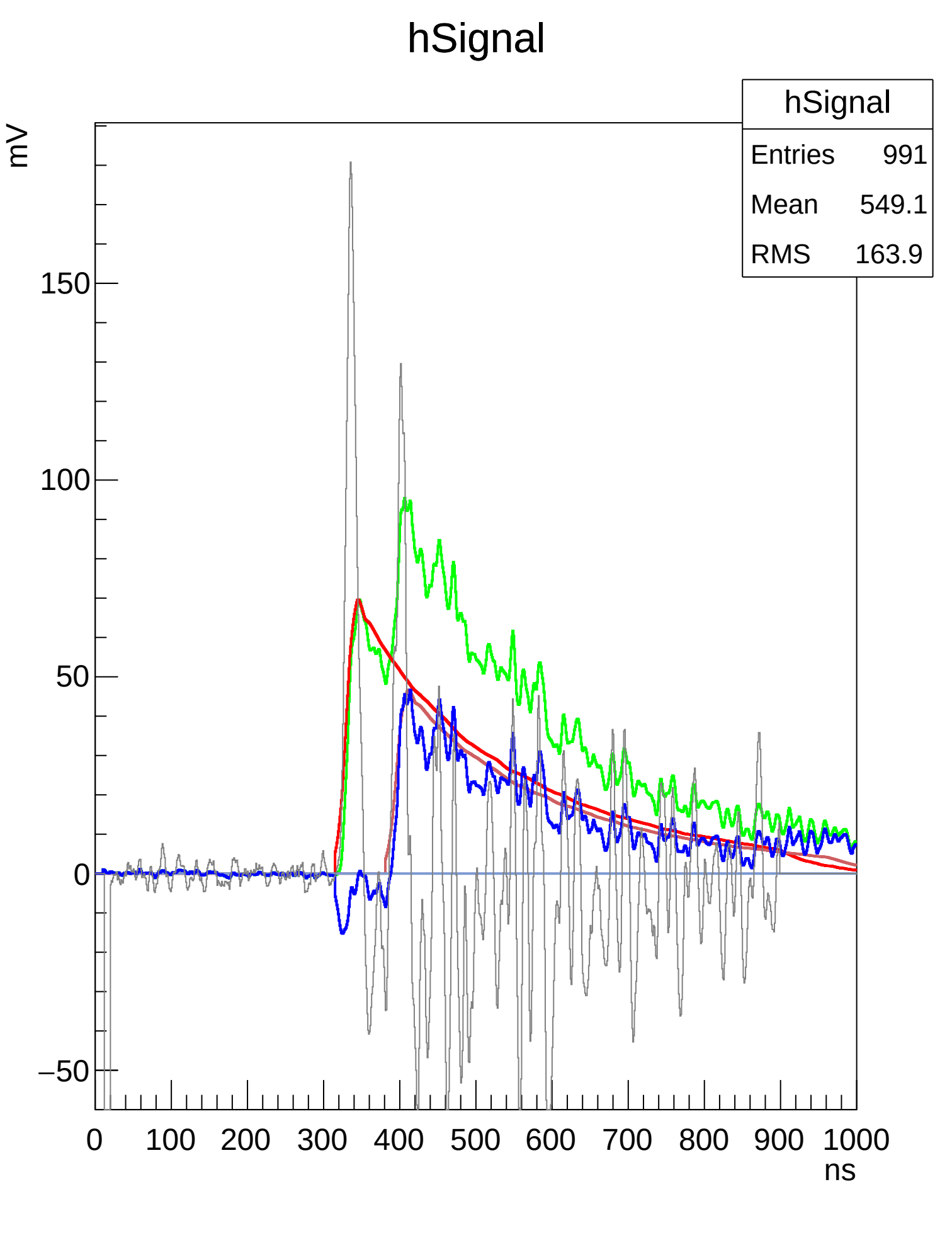
hSignal
hSignal
Entries 991
Mean 549.1
RMS 163.9
mV
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100
50
0
−50
0
100
200
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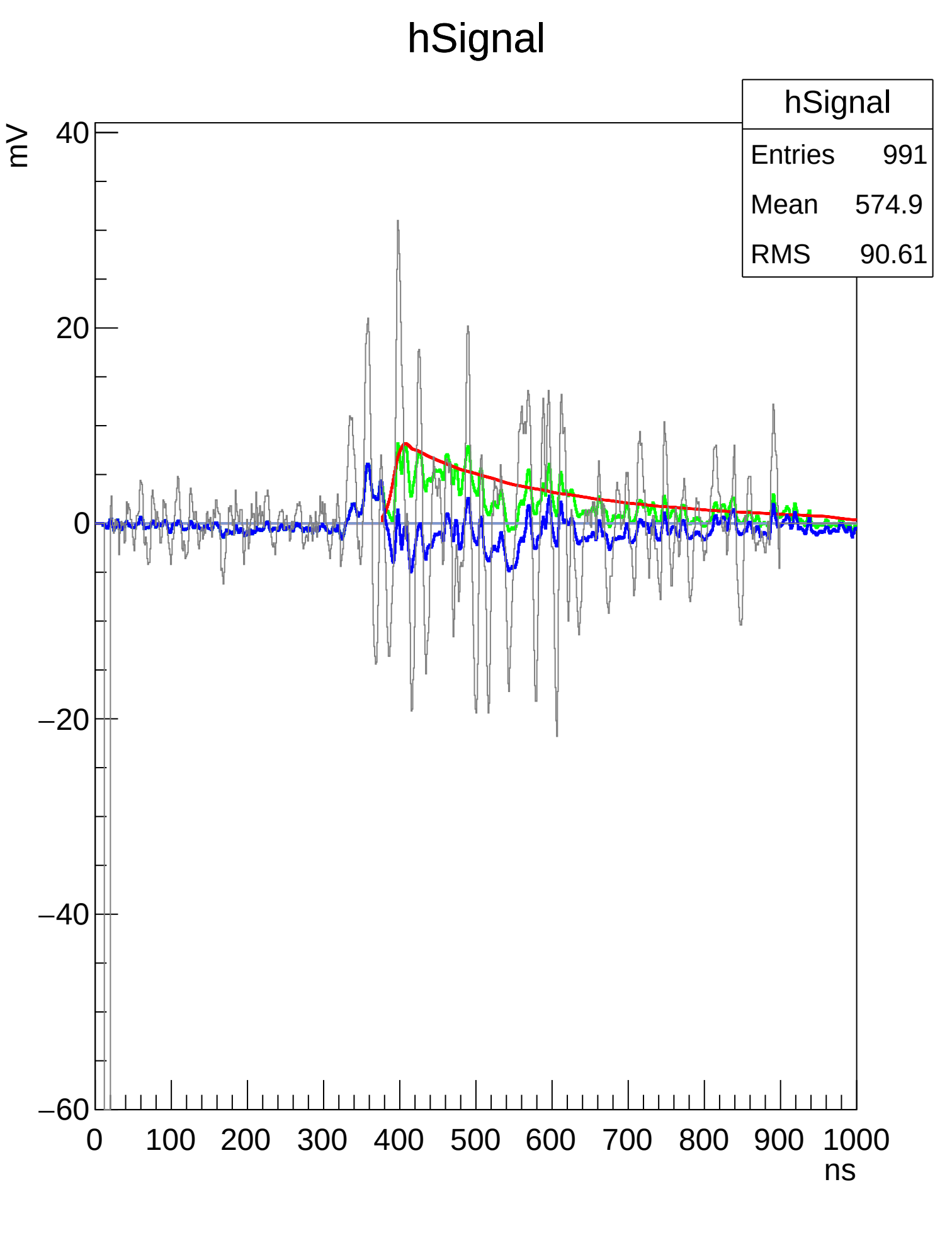
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.9
RMS 90.61
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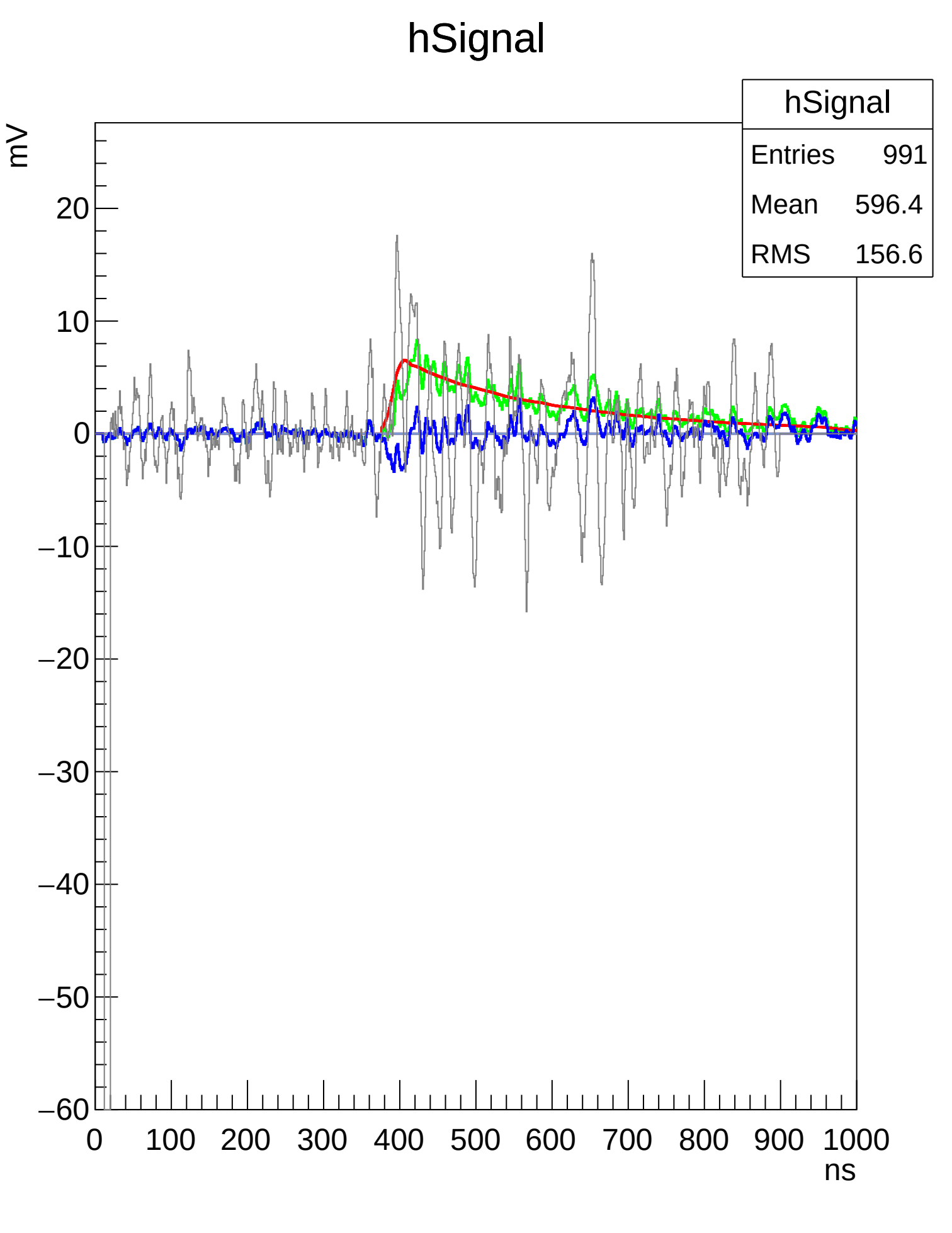
hSignal
hSignal
Entries 991
Mean 596.4
RMS 156.6
mV
20
10
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0
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400
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800
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1000
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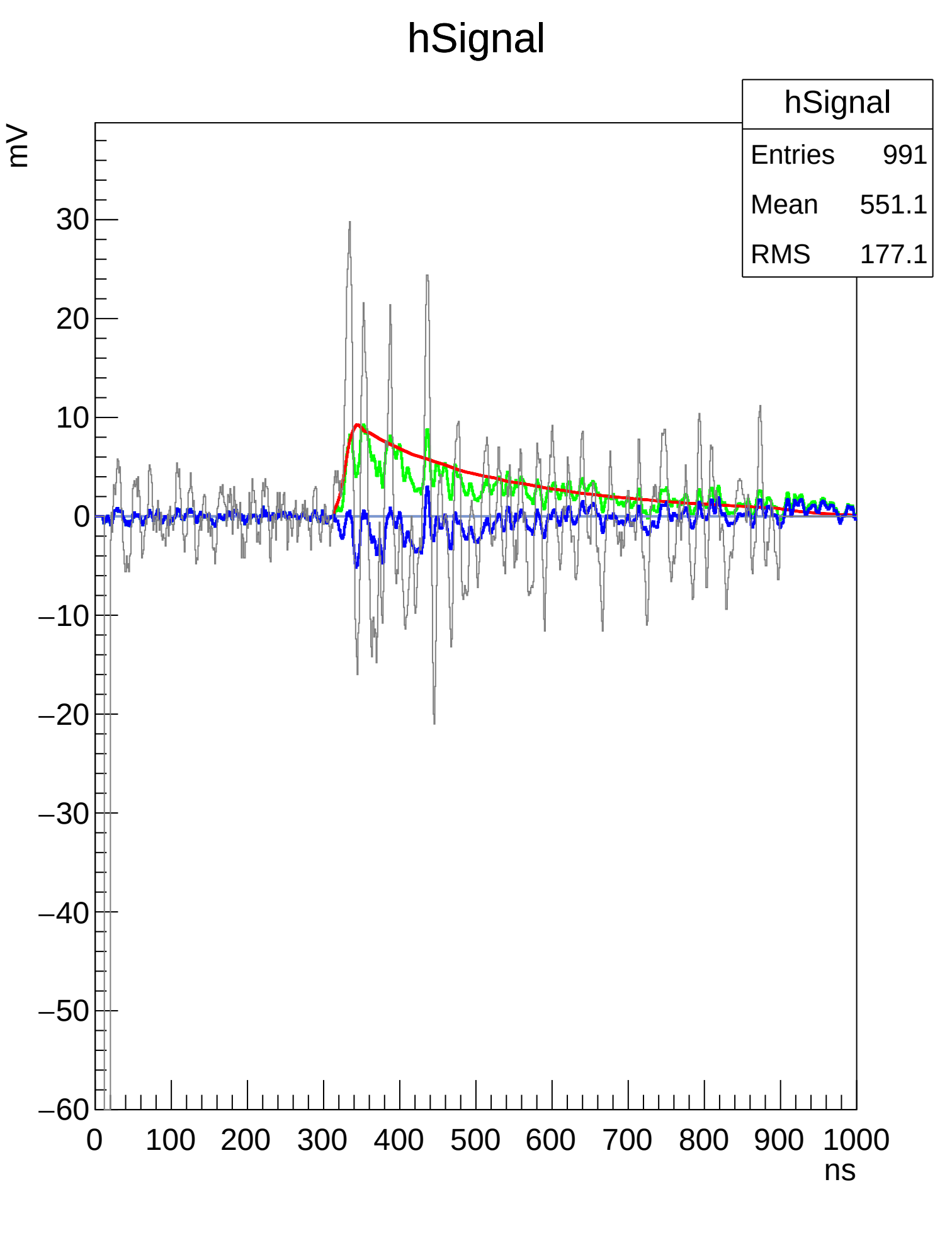
hSignal
hSignal
Entries 991
Mean 551.1
RMS 177.1
mV
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20
10
0
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−20
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−50
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0
100
200
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400
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600
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800
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1000
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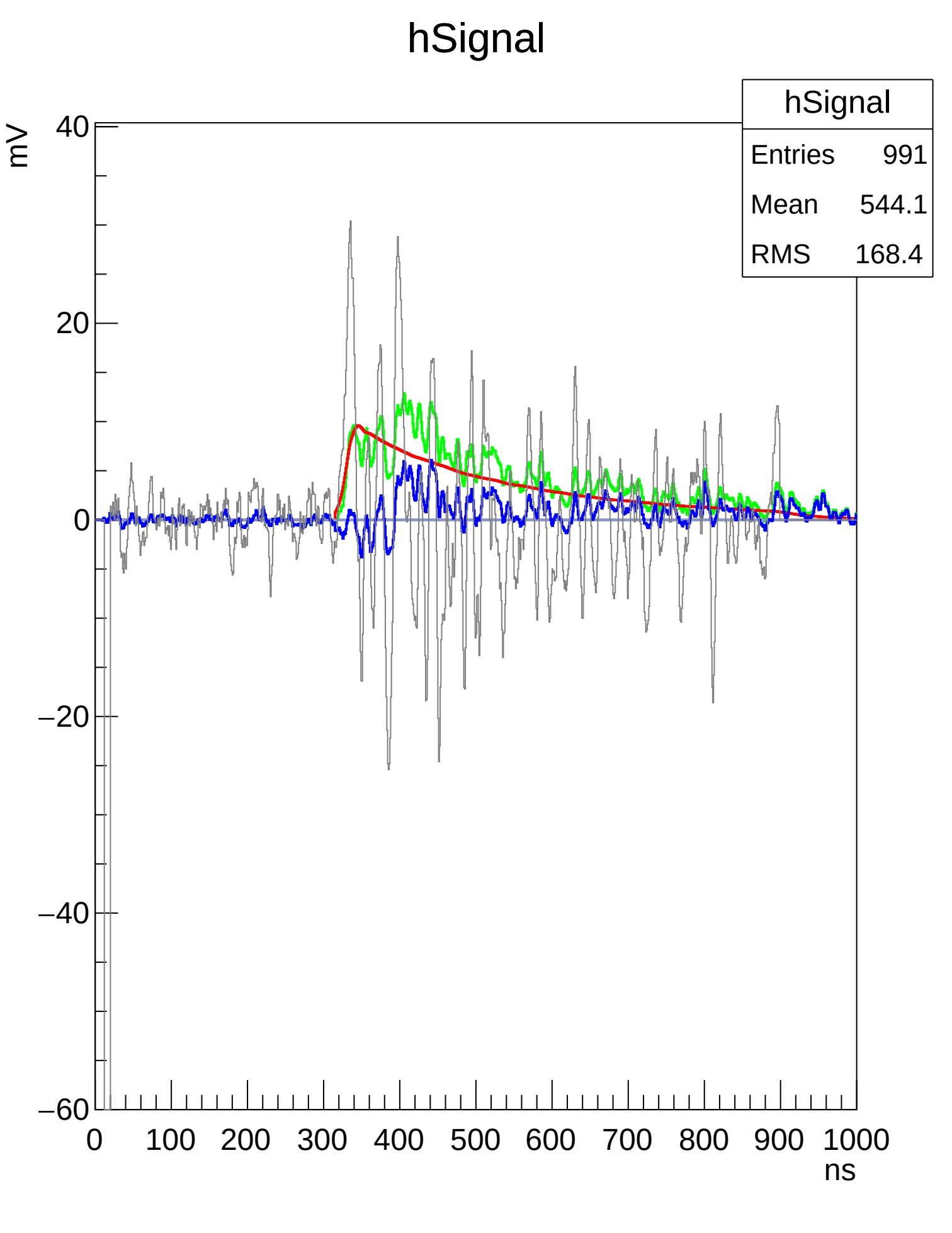
hSignal
hSignal
Entries 991
Mean 544.1
RMS 168.4
mV
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−40
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0
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400
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600
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800
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1000
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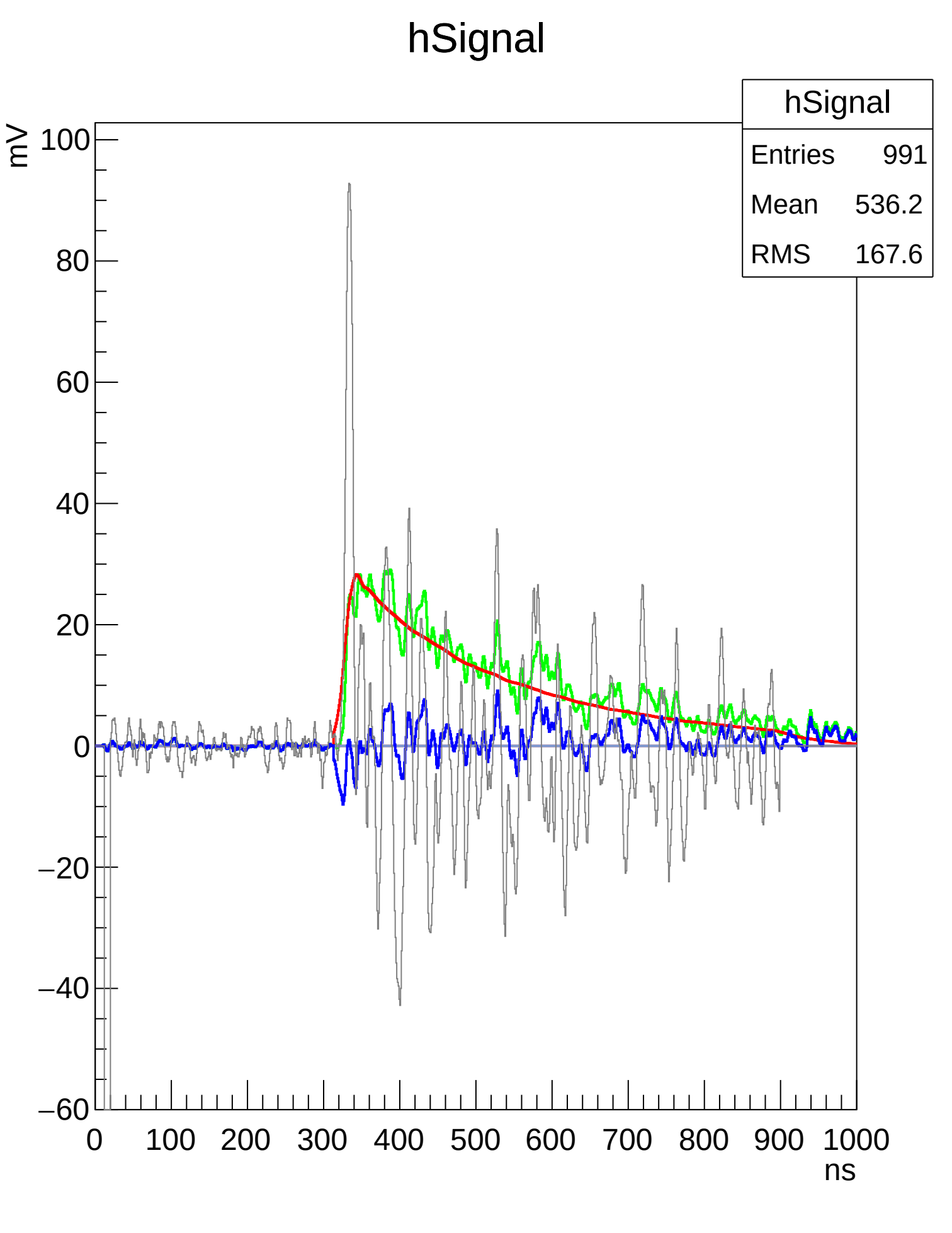
hSignal
hSignal
Entries 991
Mean 536.2
RMS 167.6
mV
100
80
60
40
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−40
−60
0
100
200
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400
500
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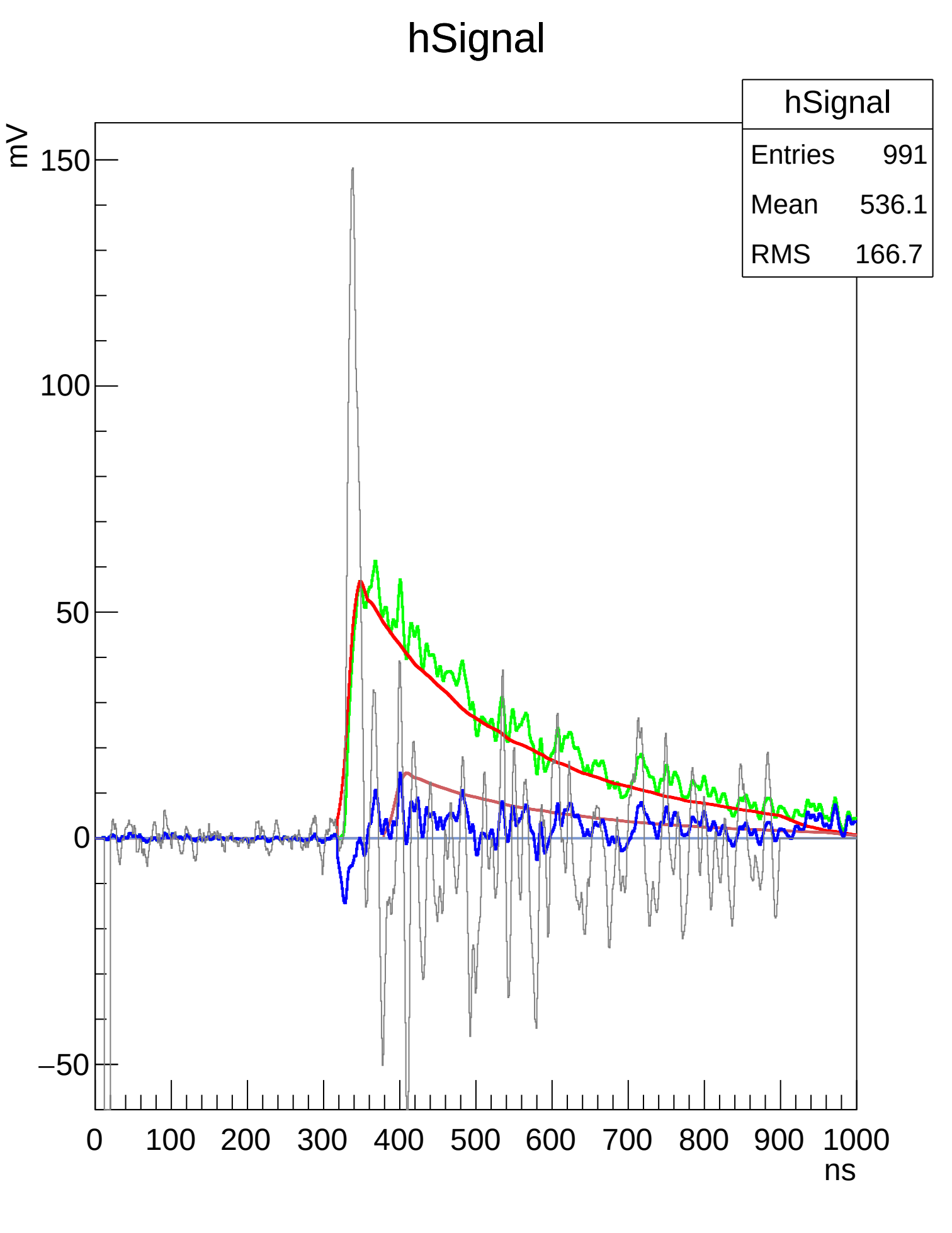
1000
ns


hSignal
hSignal
Entries 991
Mean 536.1
RMS 166.7
mV
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100
50
0
−50
0
100
200
300
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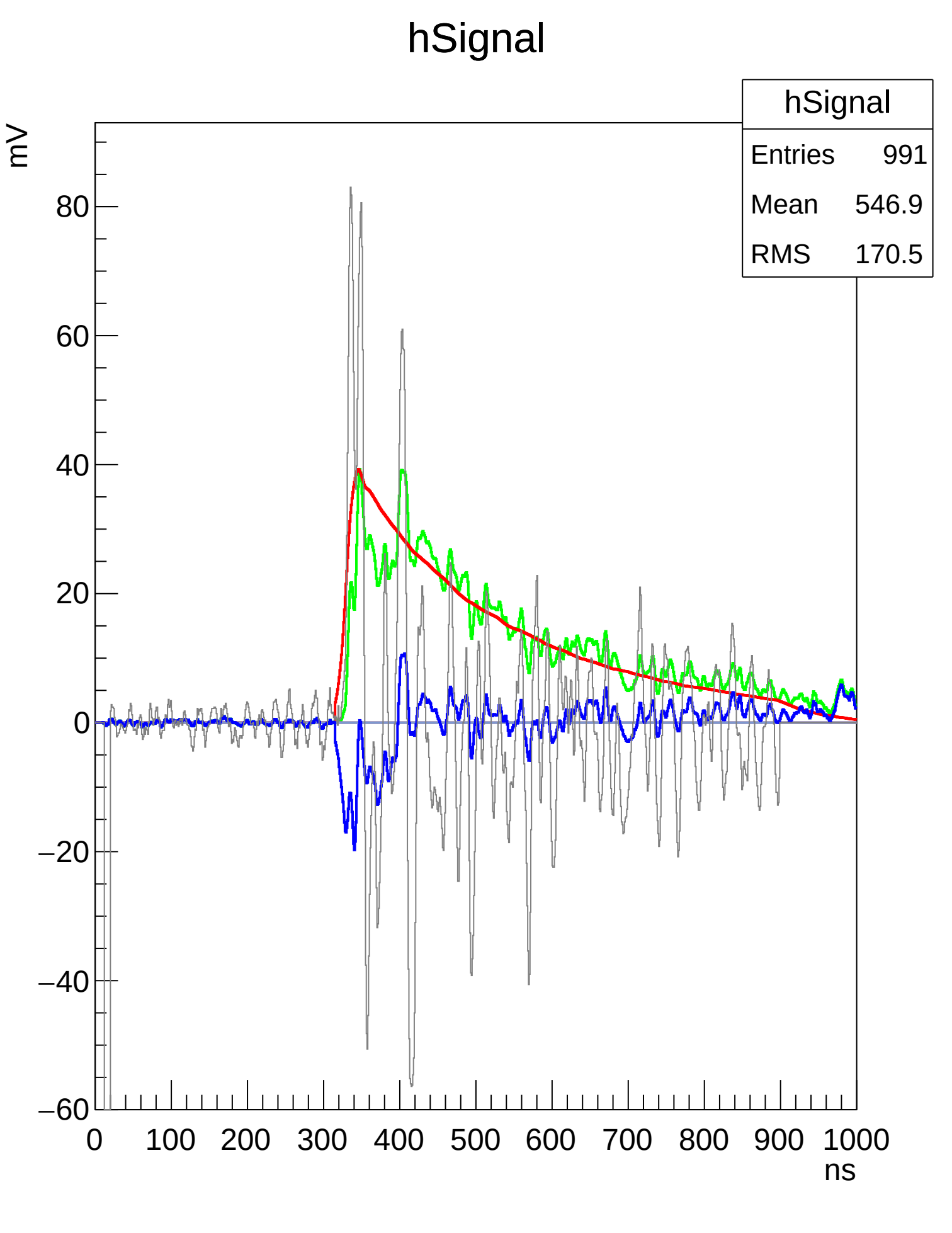
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 170.5
mV
80
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40
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−20
−40
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600
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800
900
1000
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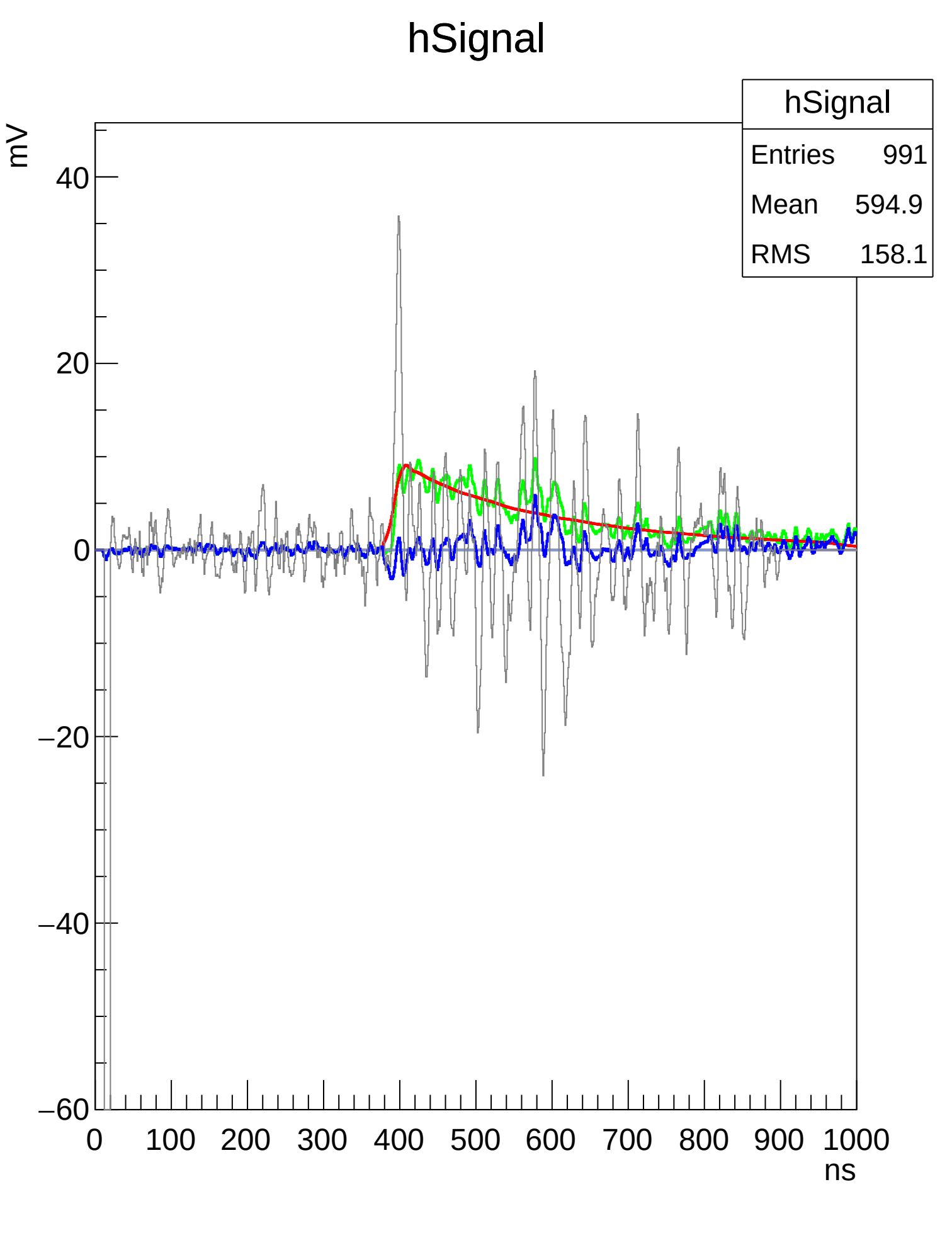
hSignal
hSignal
Entries 991
Mean 594.9
RMS 158.1
mV
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−20
−40
−60
0
100
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400
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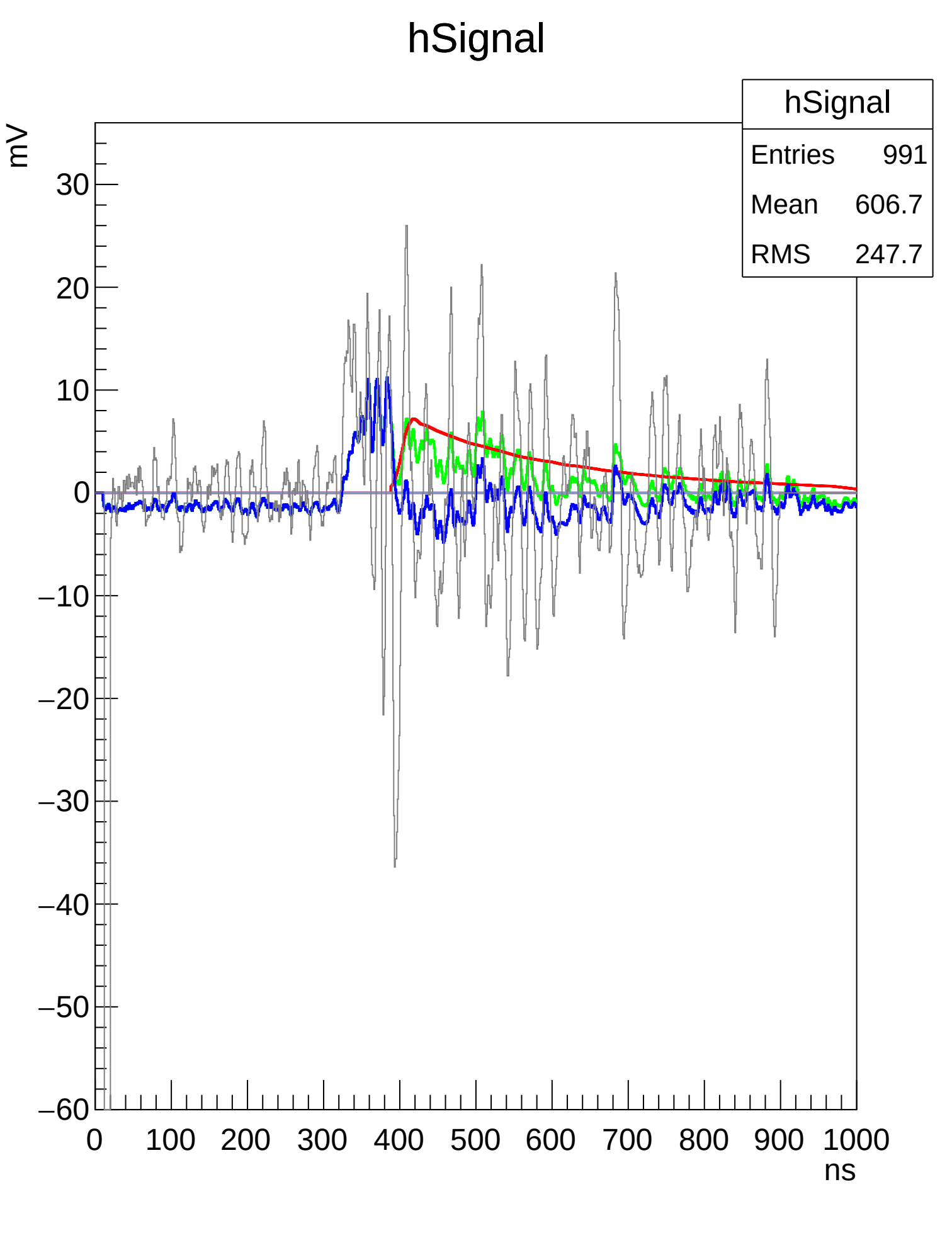
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.7
RMS 247.7
mV
30
20
10
0
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−50
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0
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200
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400
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800
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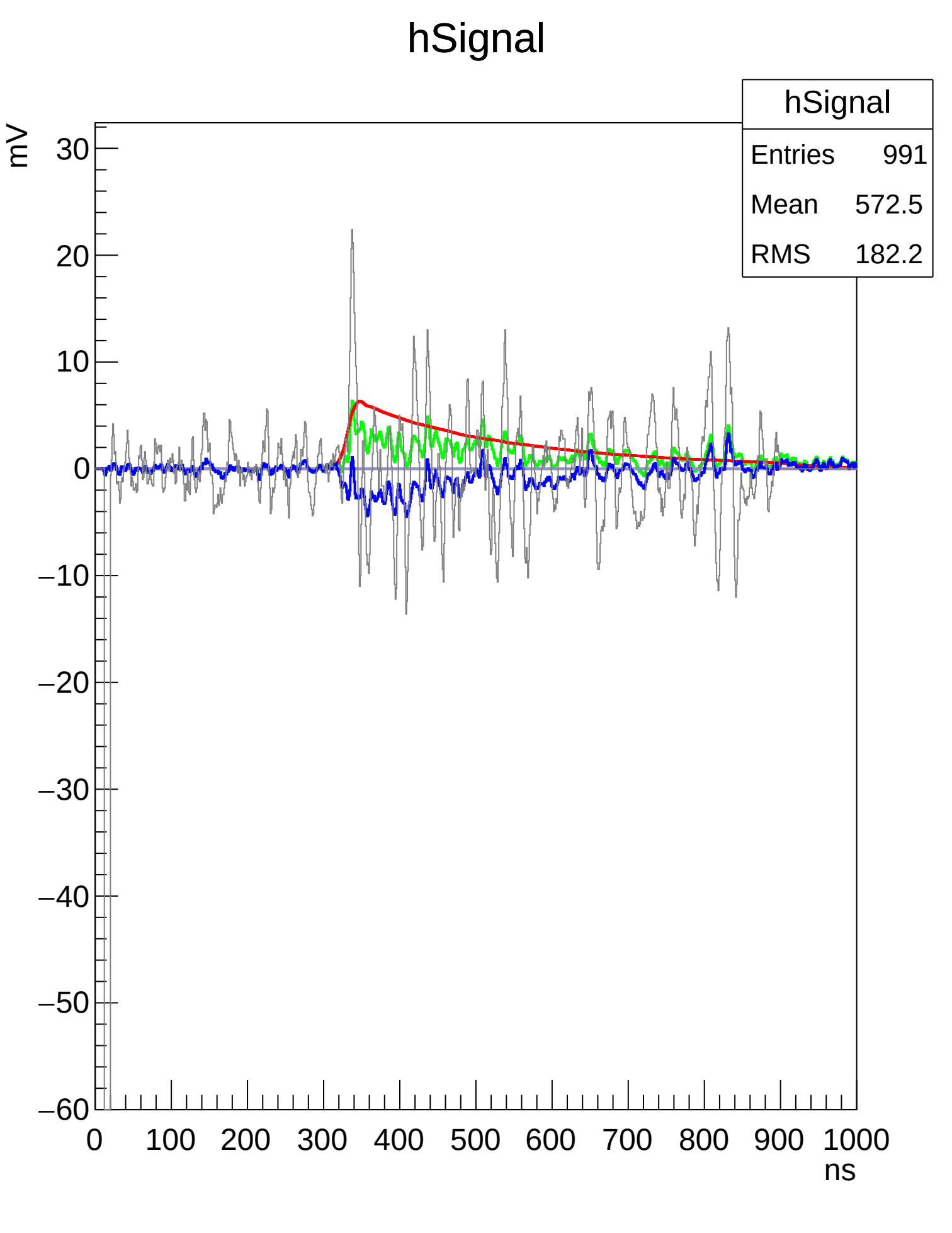
1000
ns


hSignal
hSignal
Entries 991
Mean 572.5
RMS 182.2
mV
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20
10
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−60
0
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200
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400
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800
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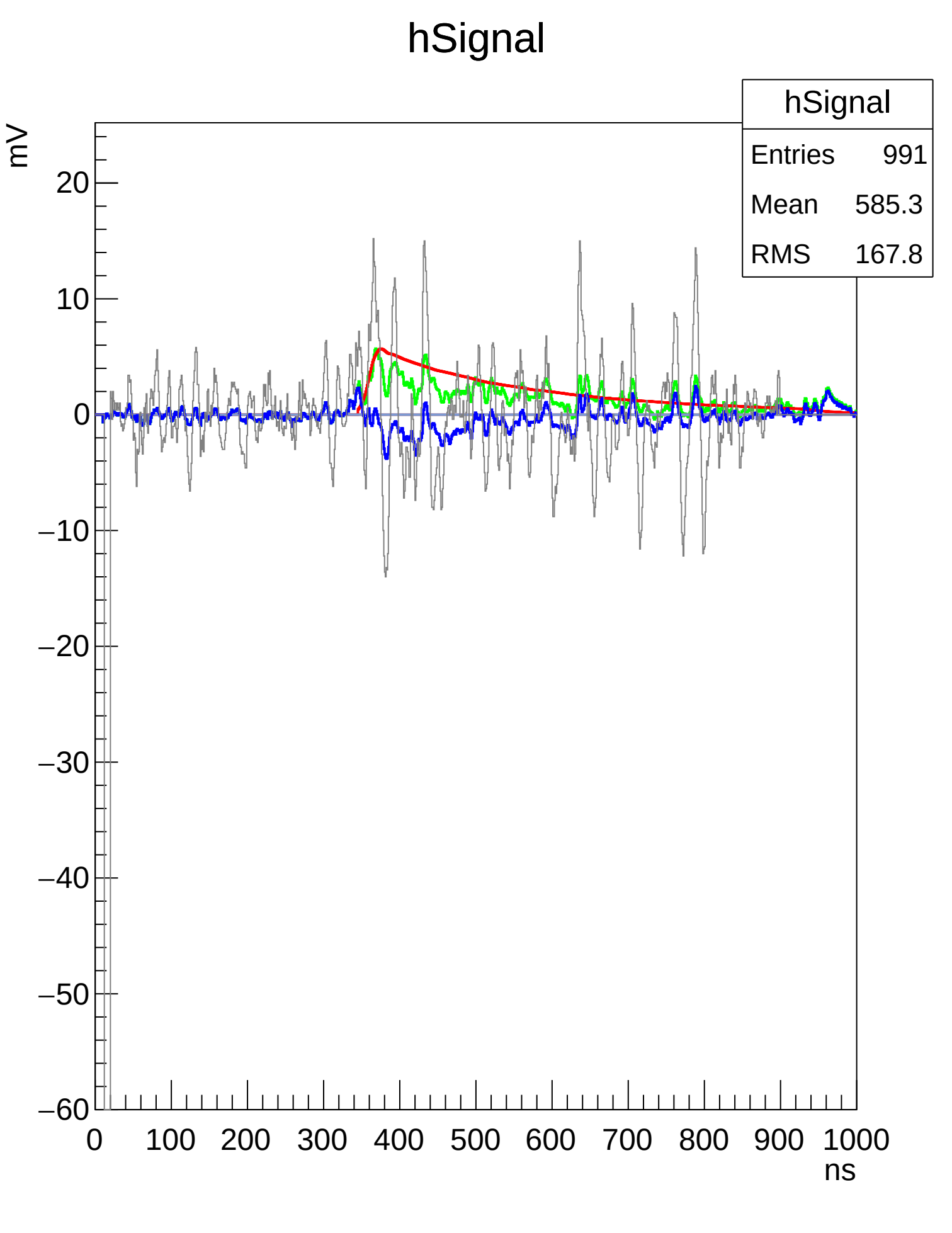
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 167.8
mV
20
10
0
−10
−20
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−40
−50
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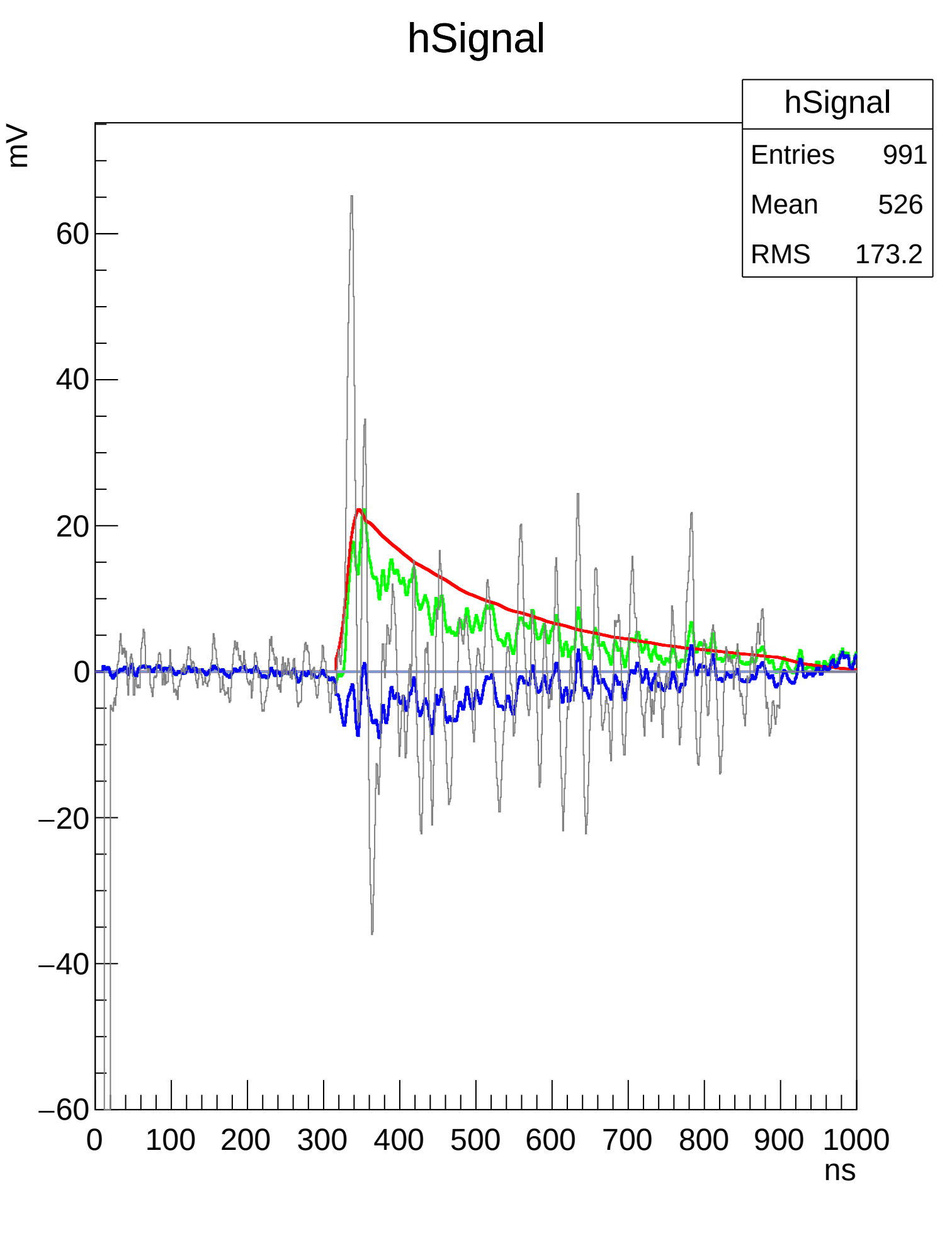
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526
RMS 173.2
mV
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−20
−40
−60
0
100
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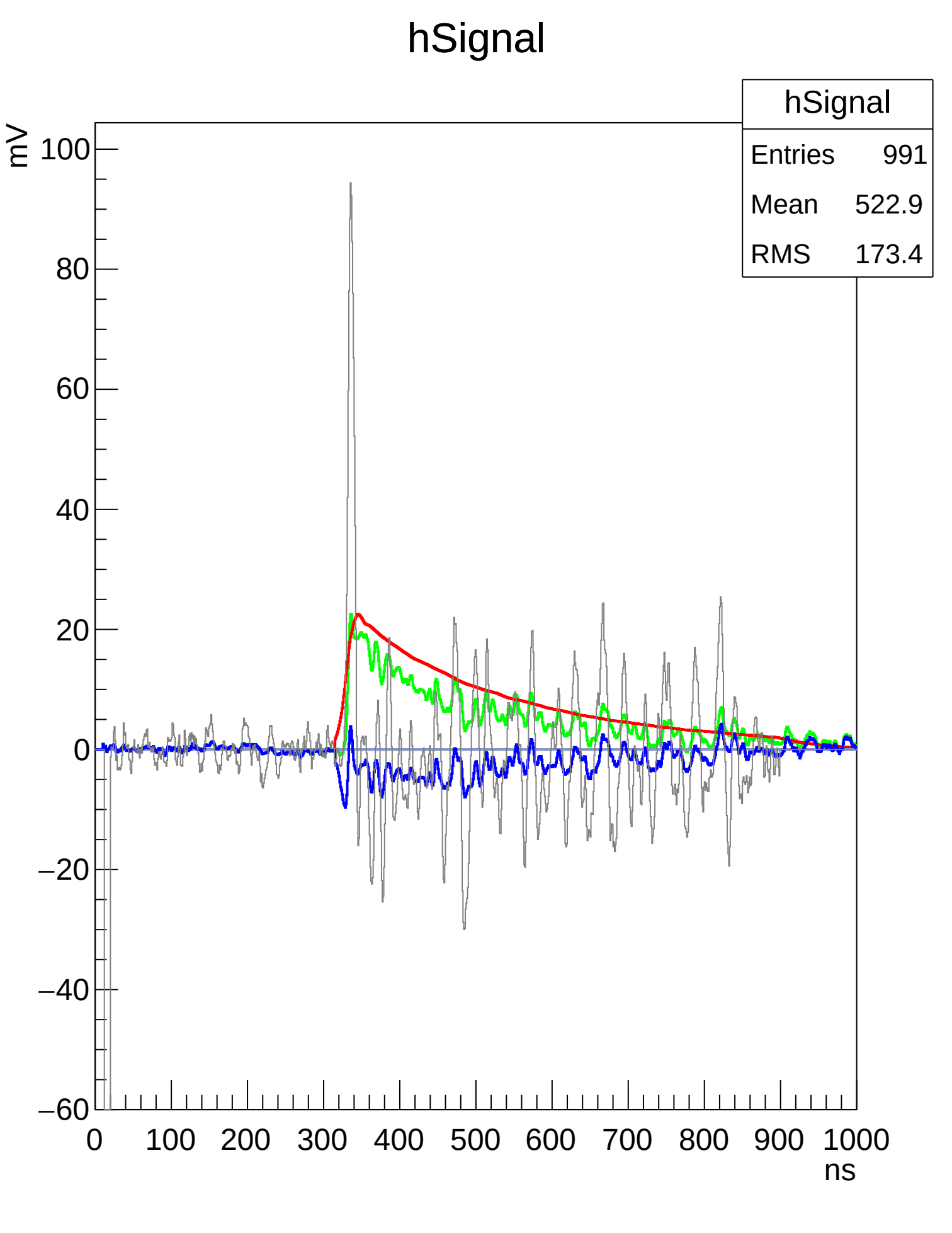
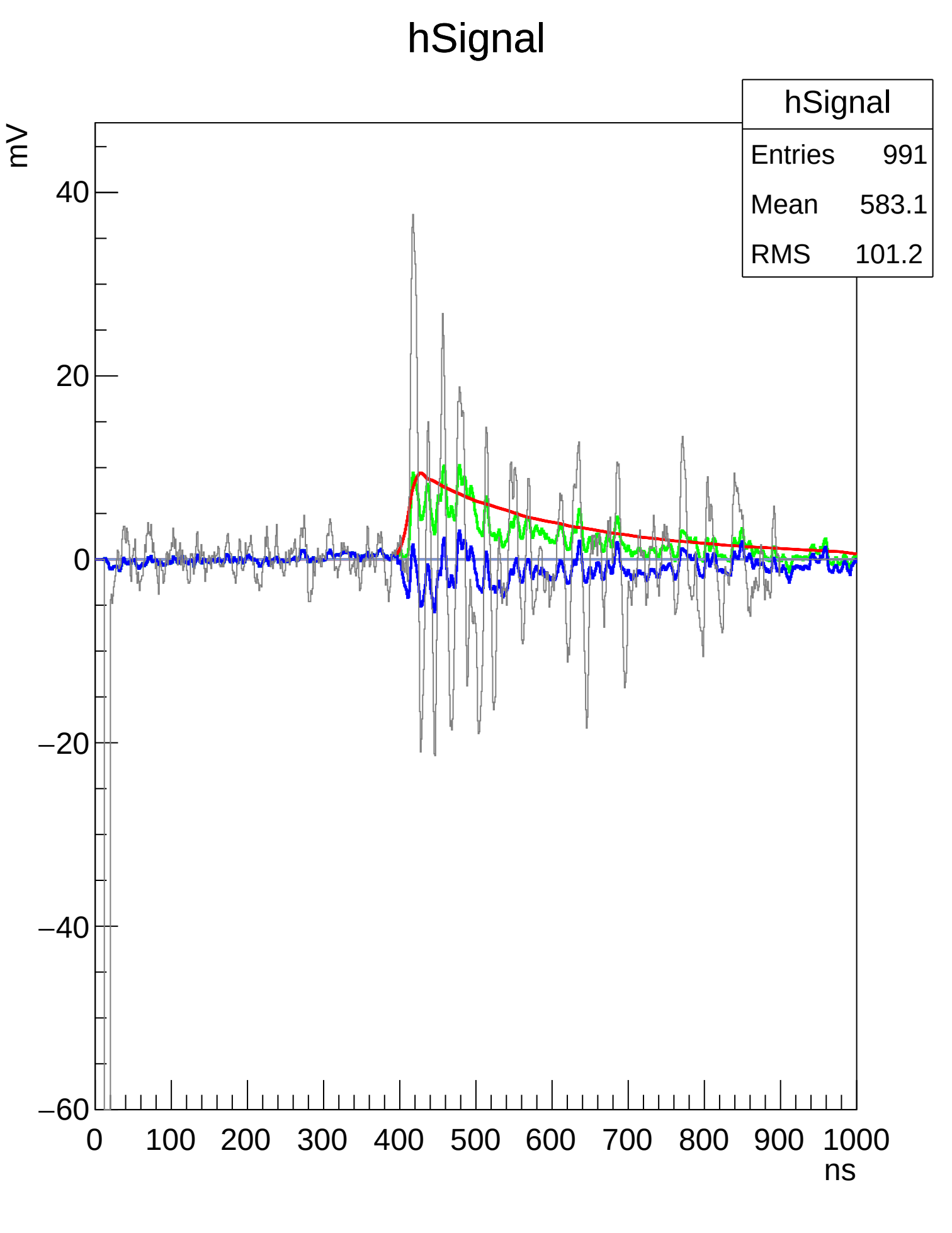
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.9
RMS 173.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.1
RMS 101.2
mV
40
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−20
−40
−60
0
100
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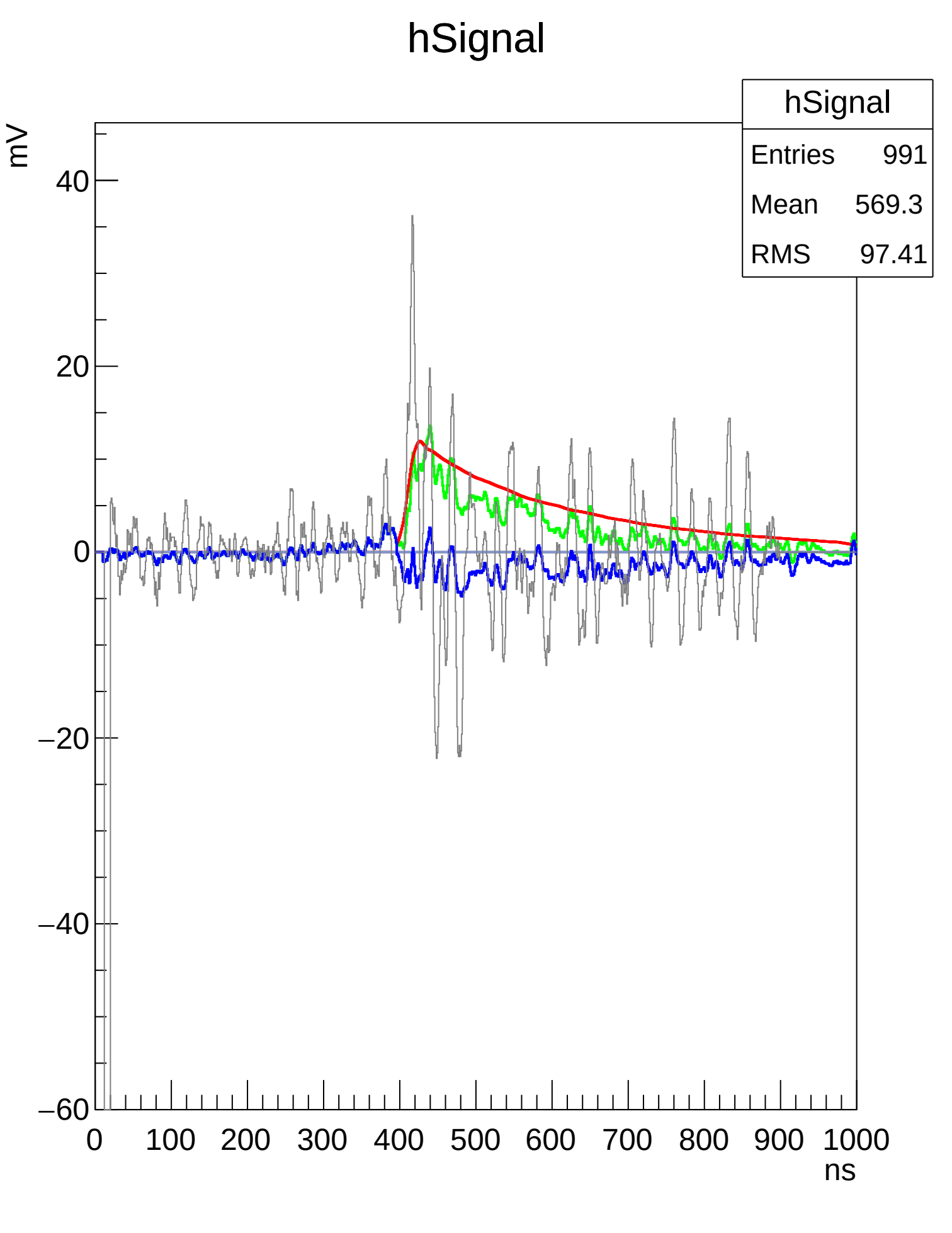
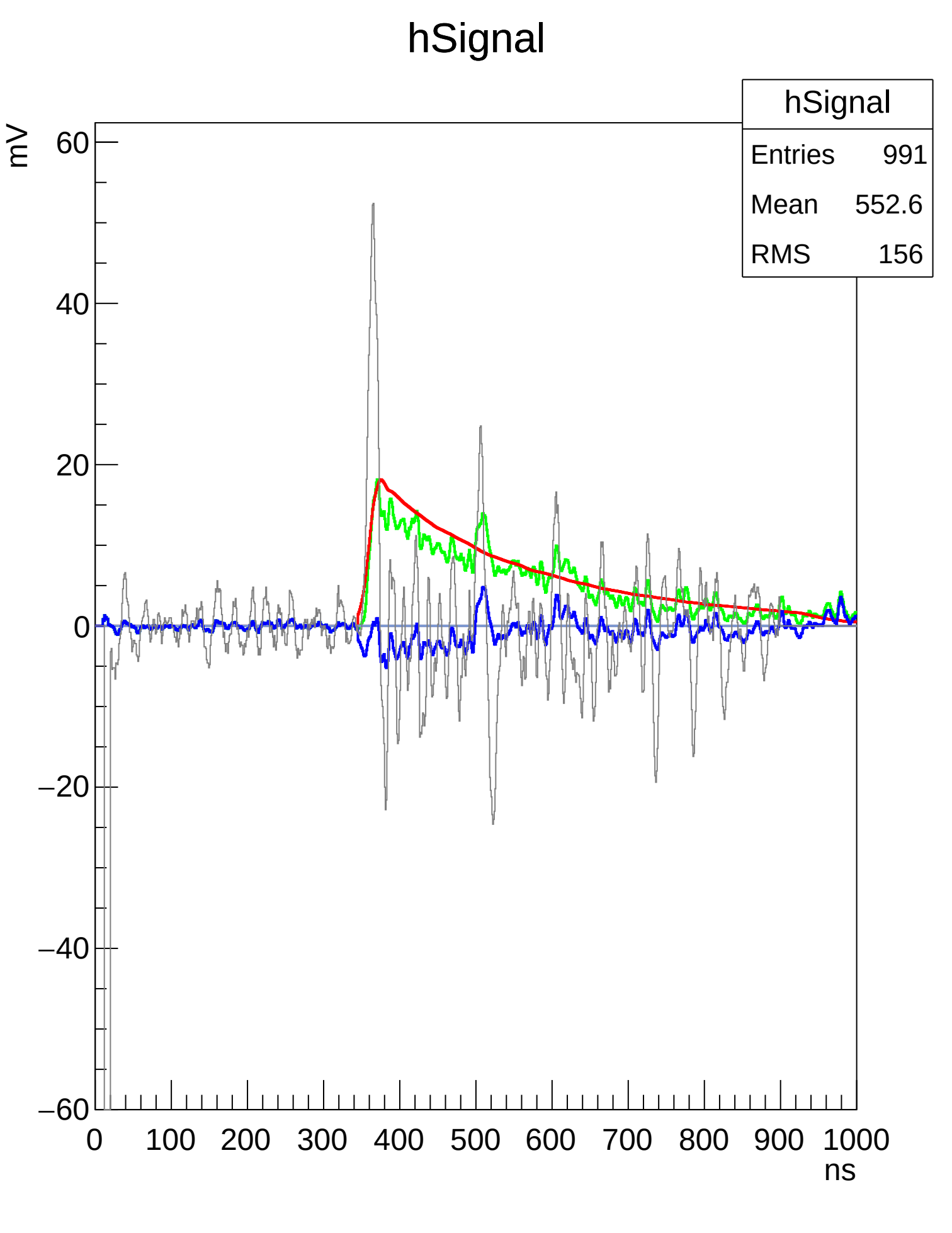
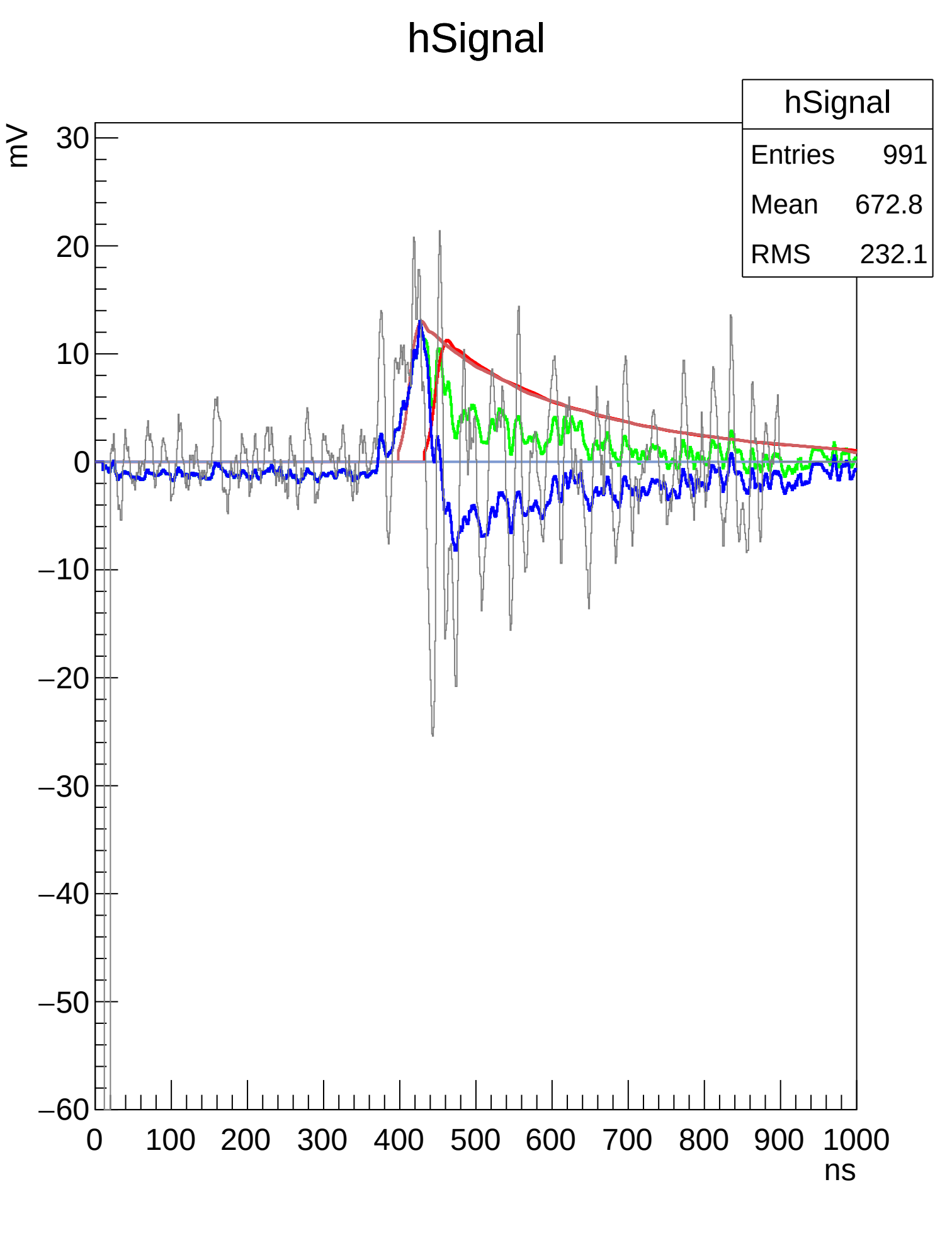
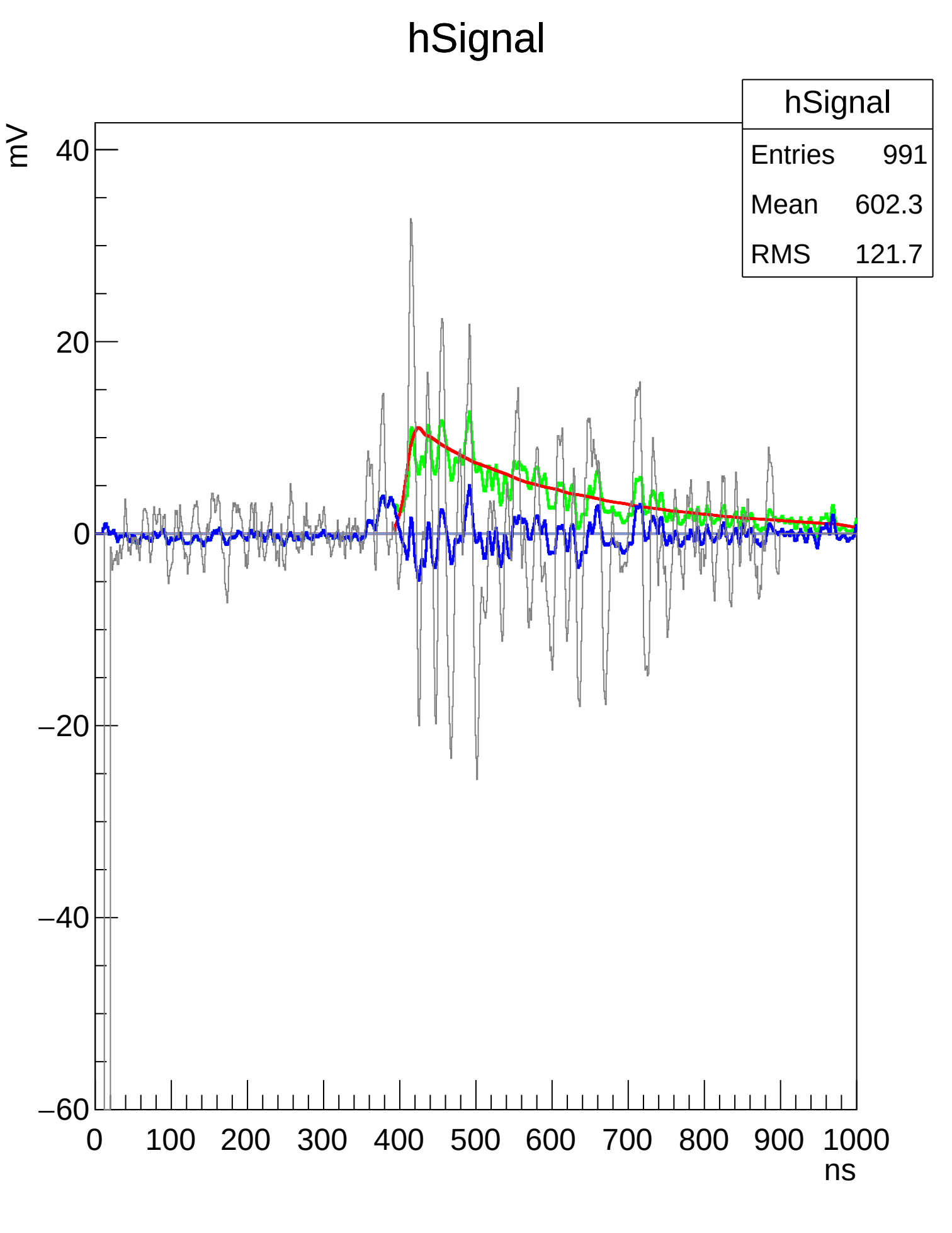
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.3
RMS 97.41
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.6
RMS 156
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 672.8
RMS 232.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.3
RMS 121.7
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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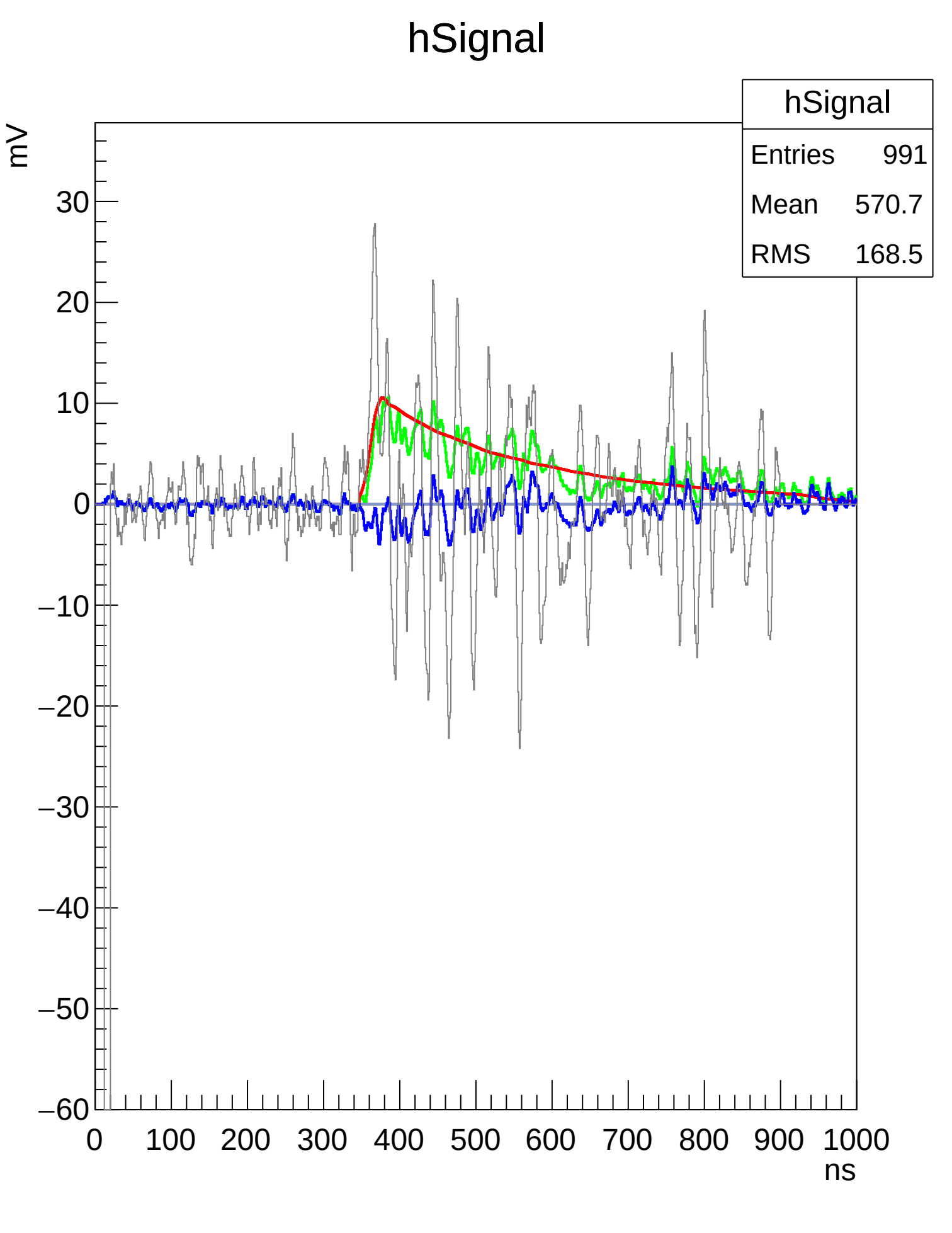
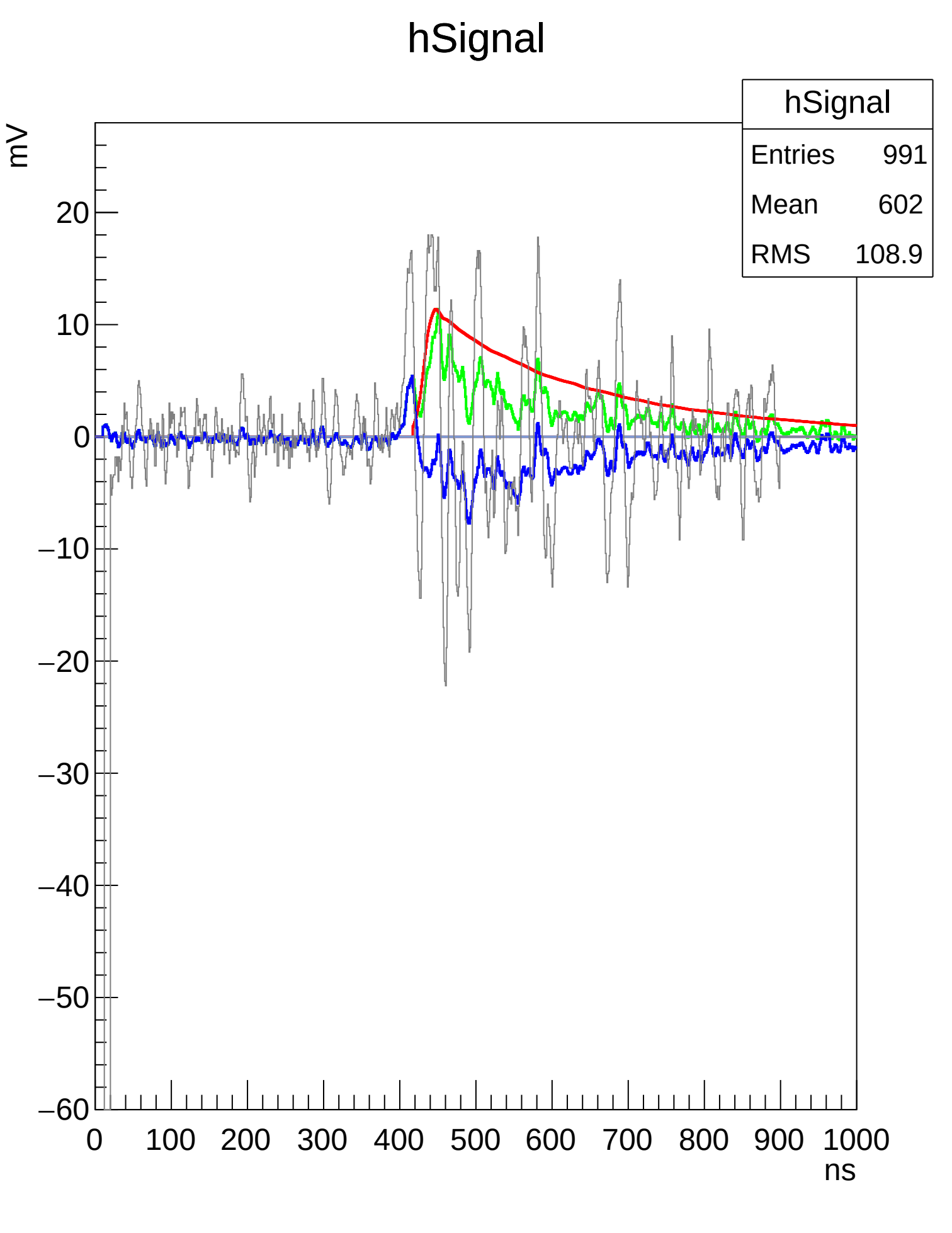
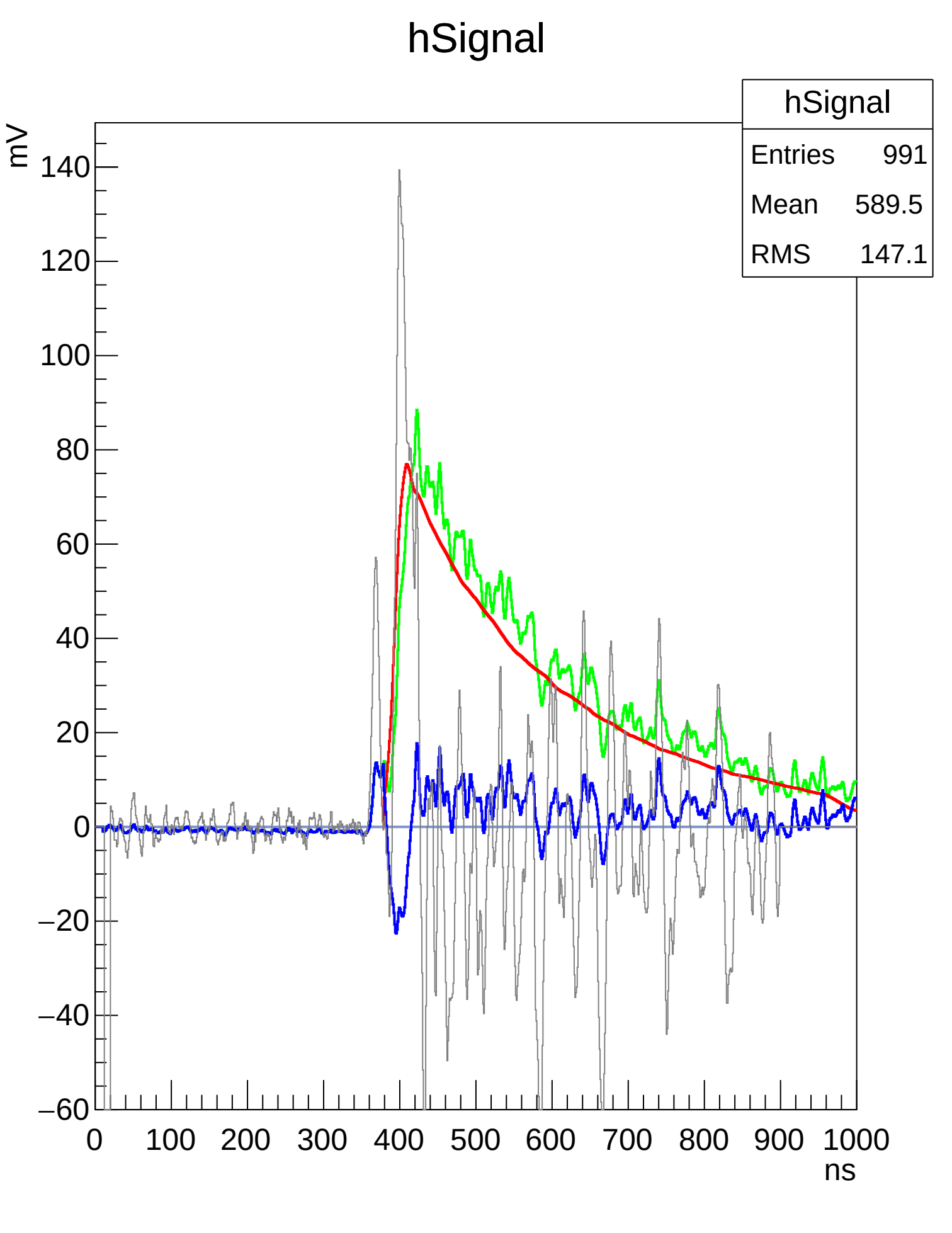
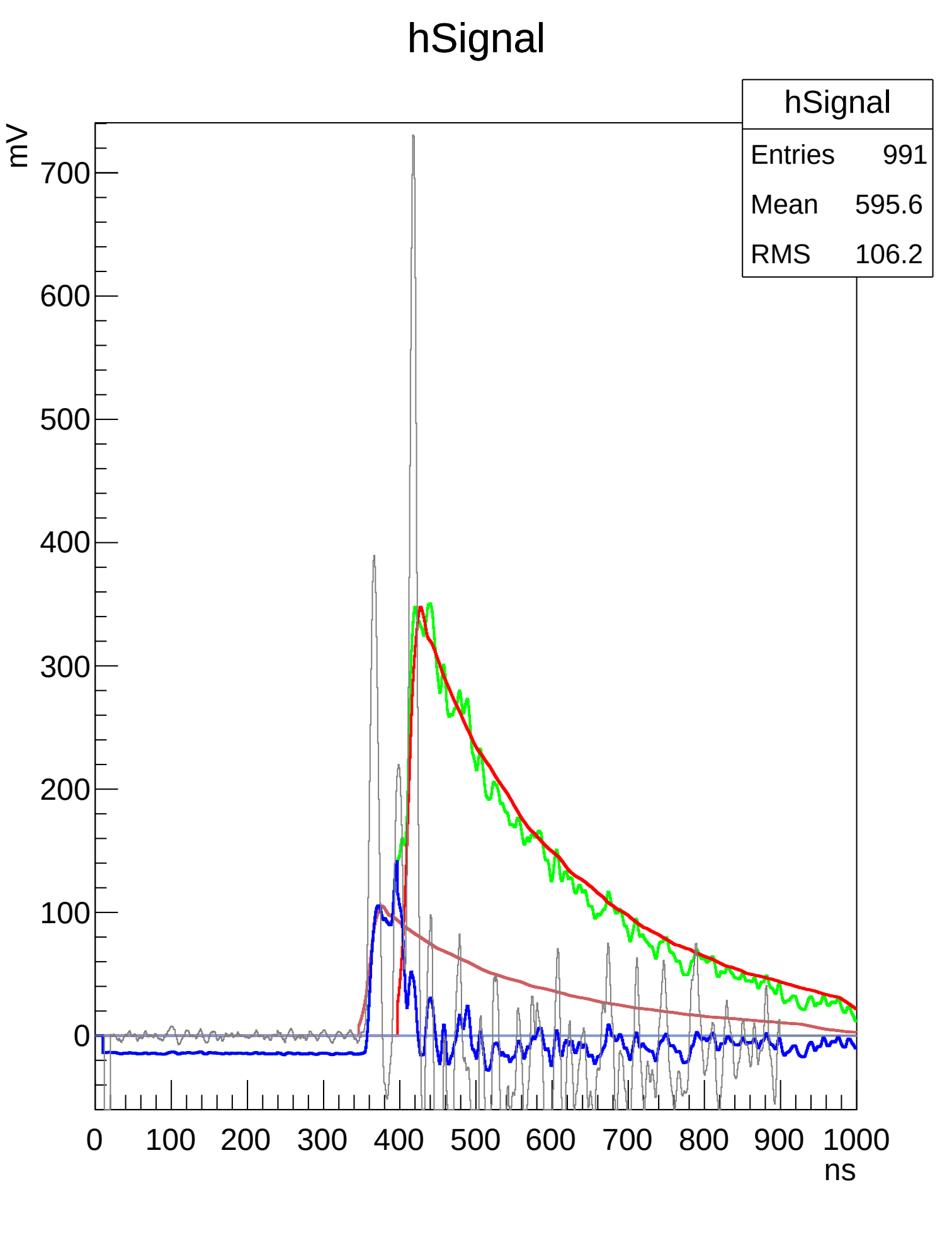
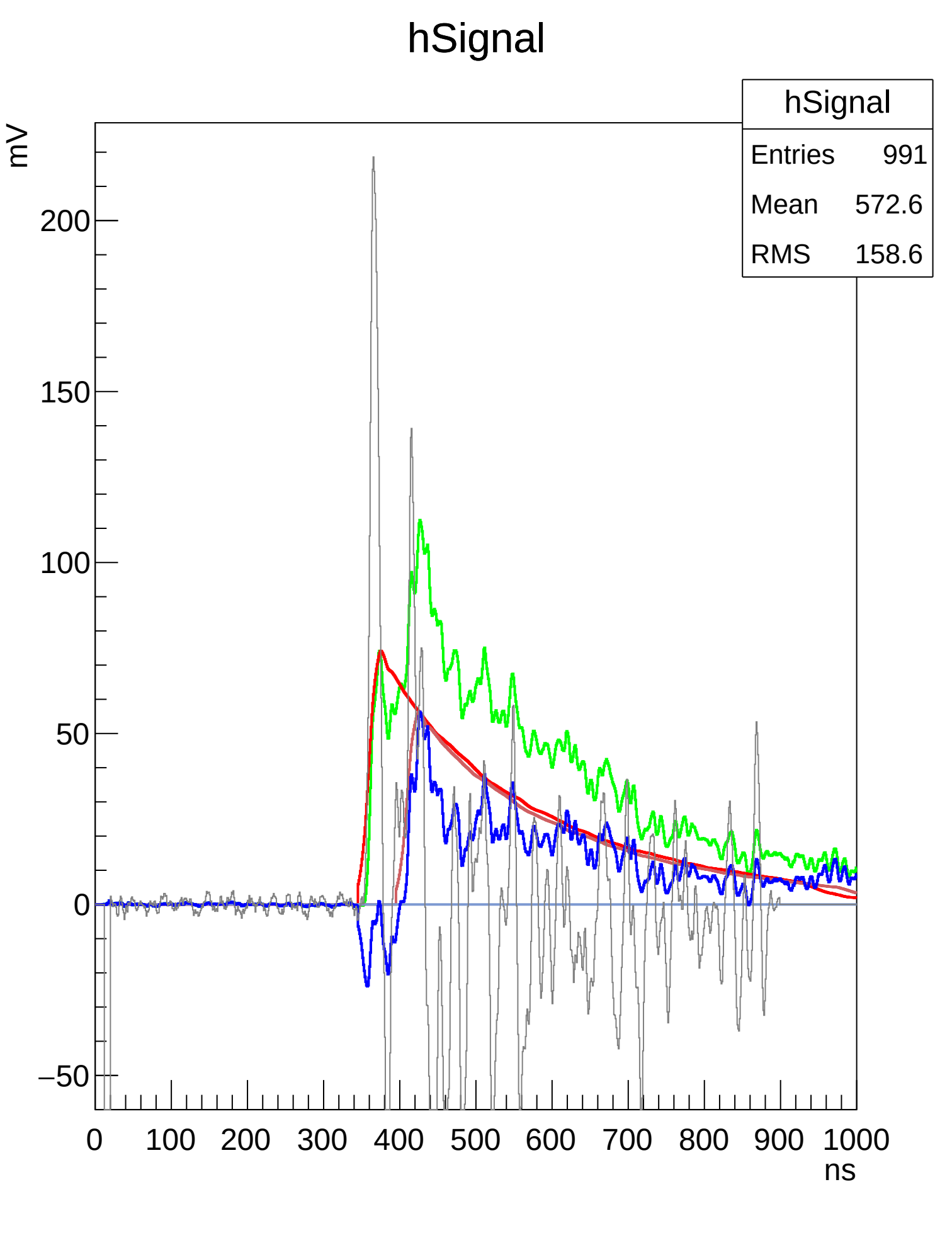
1000
ns

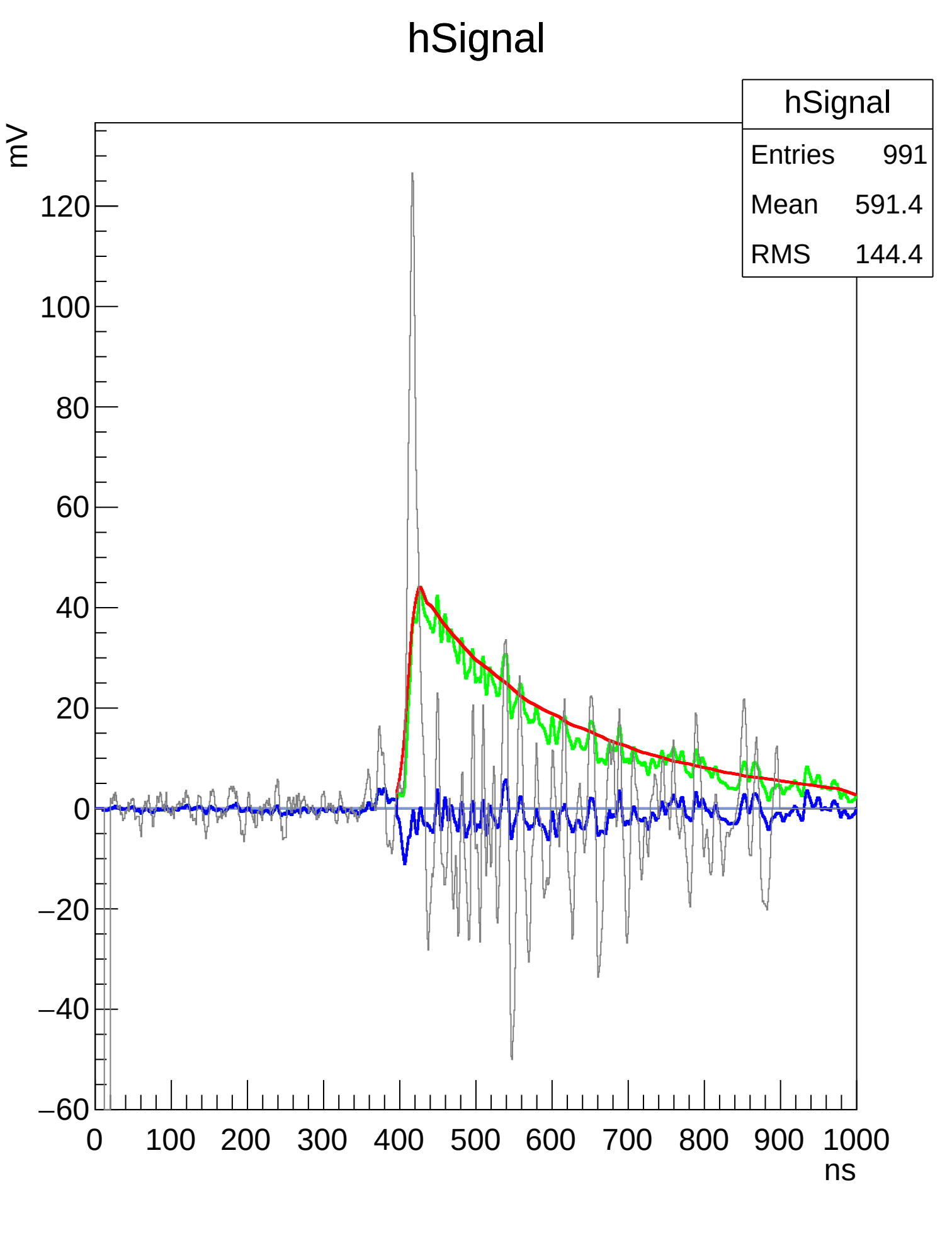

hSignal
hSignal
Entries 991
Mean 570.7
RMS 168.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

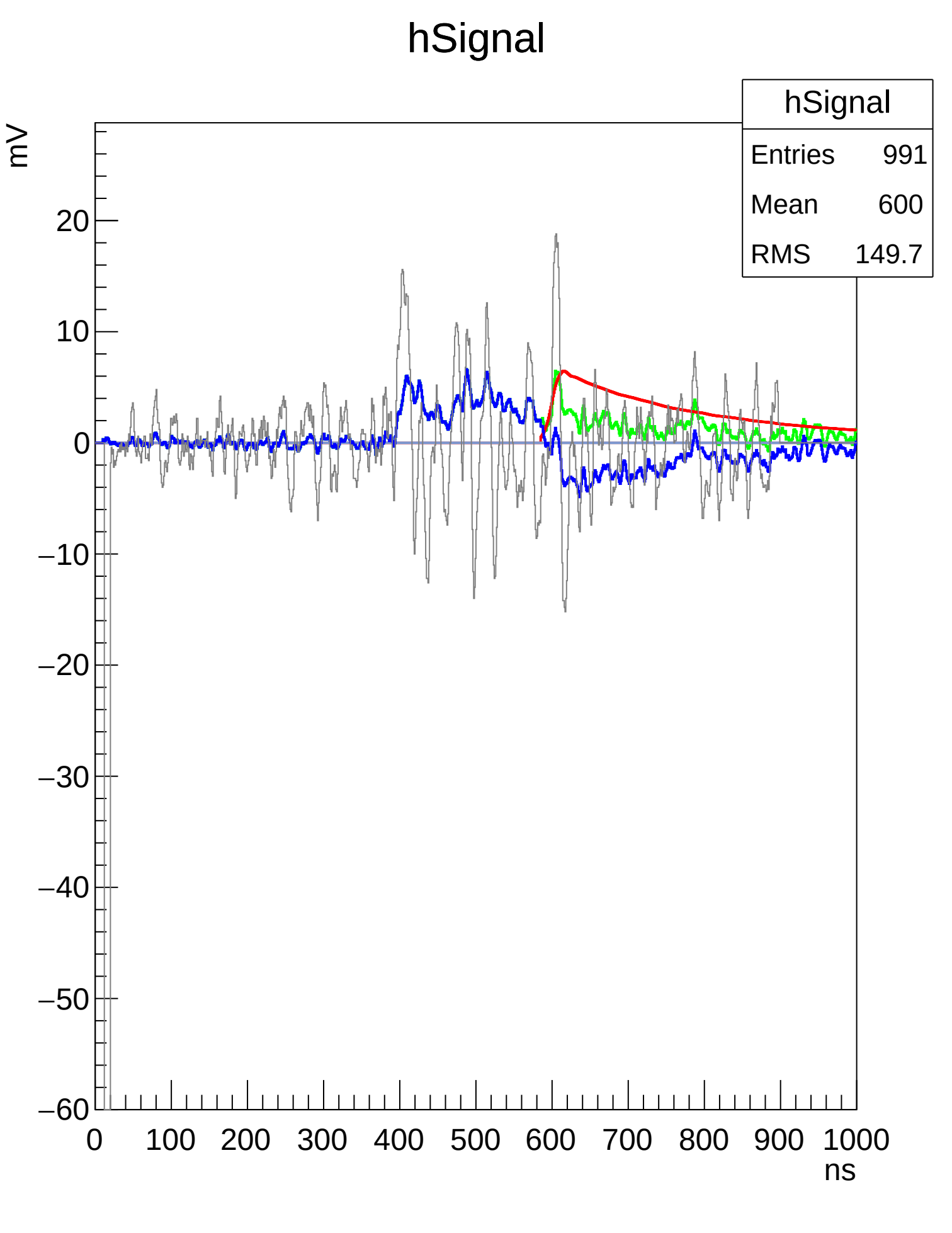

hSignal
hSignal
Entries 991
Mean 602
RMS 108.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

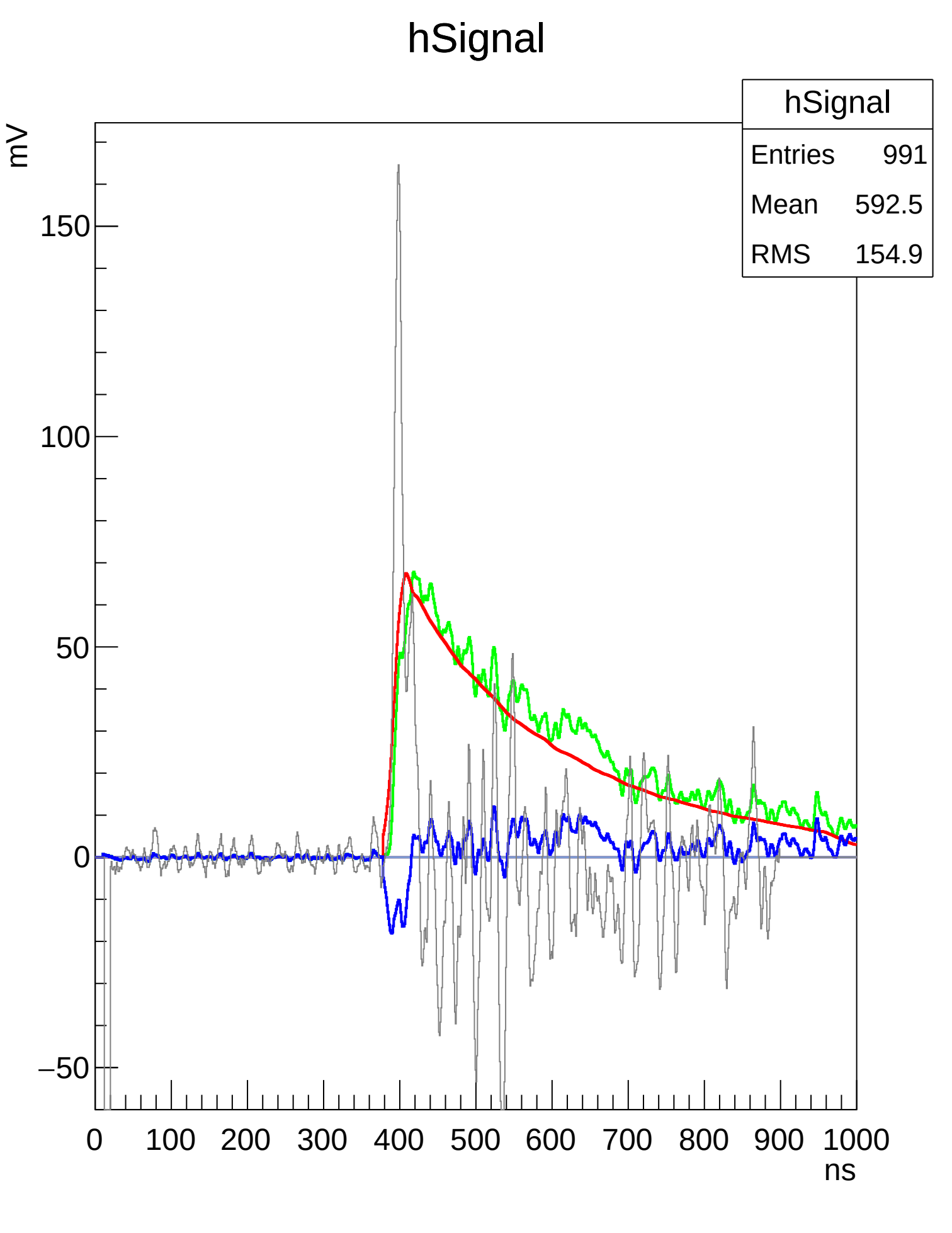

hSignal
hSignal
Entries 991
Mean 589.5
RMS 147.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.6
RMS 106.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.6
RMS 158.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.4
RMS 144.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600
RMS 149.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.5
RMS 154.9
mV
150
100
50
0
−50
0
100
200
300
400
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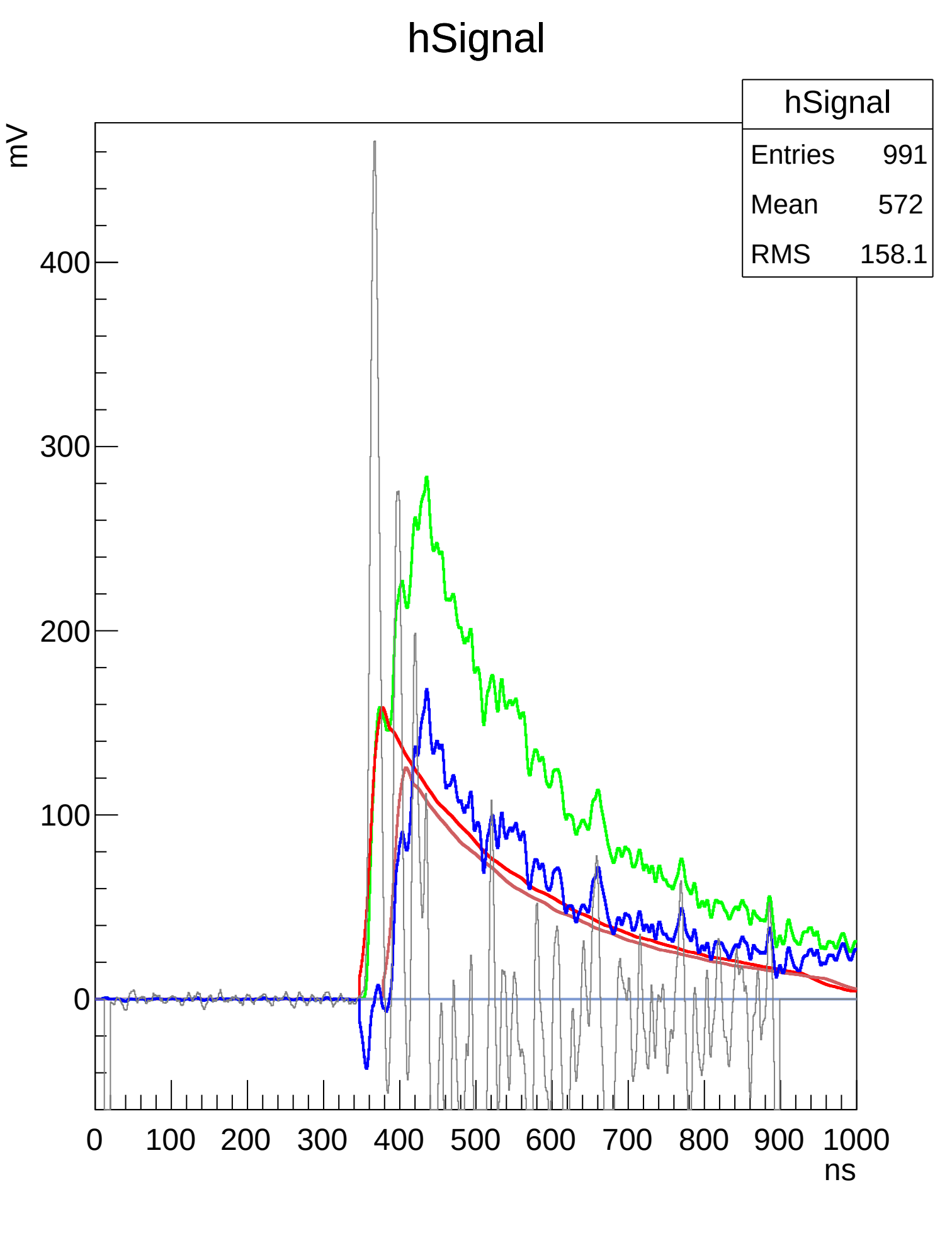
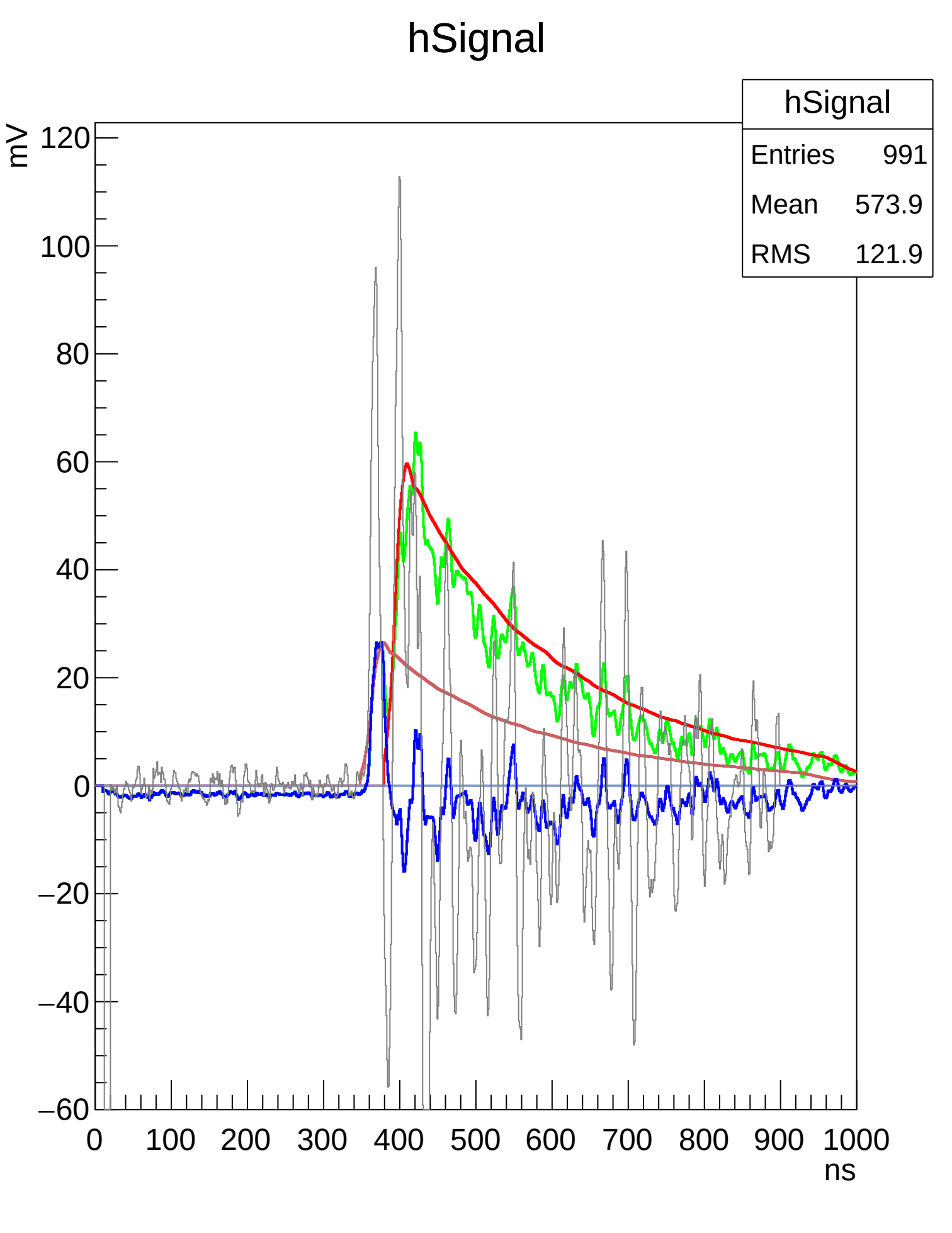
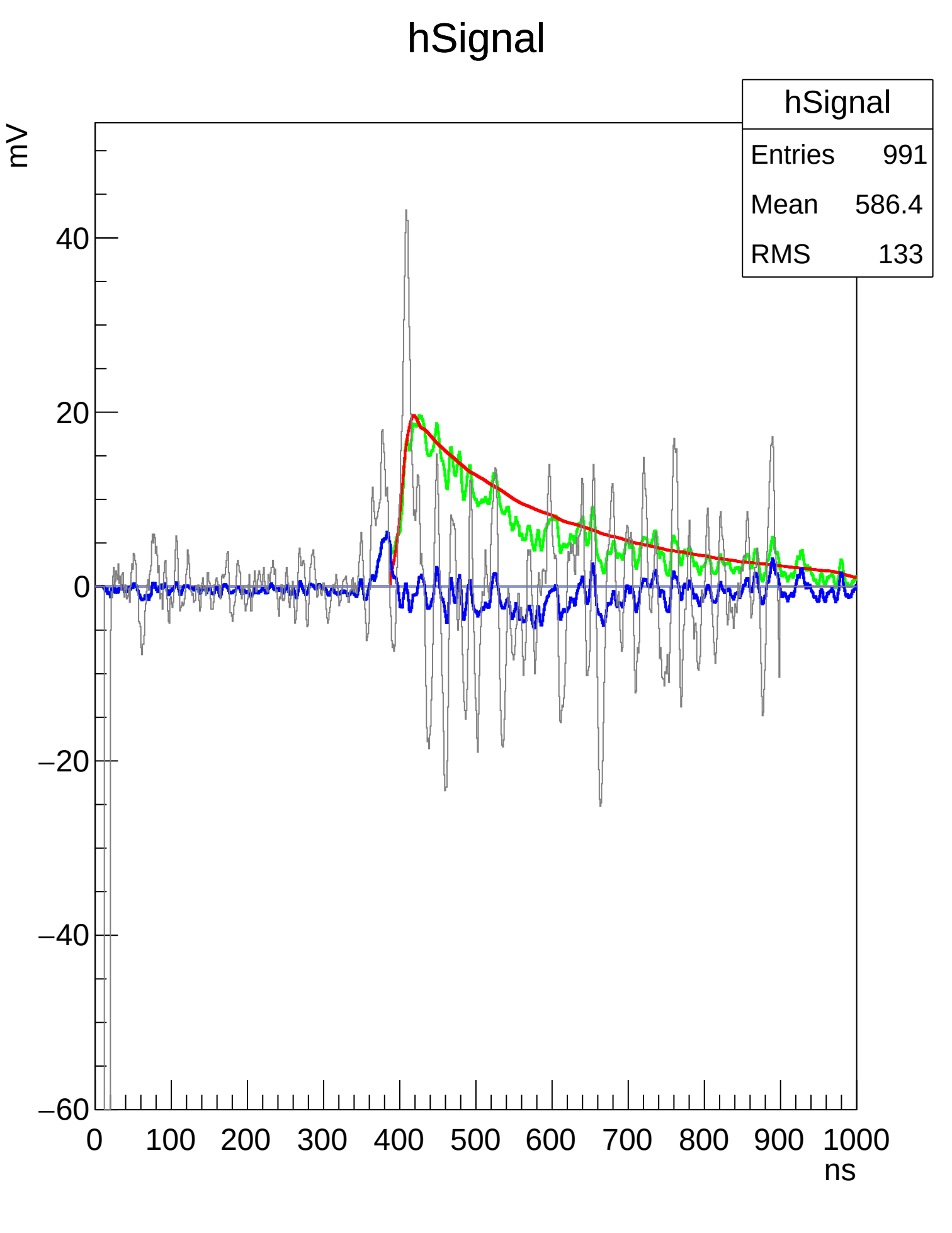
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572
RMS 158.1
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 573.9
RMS 121.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.4
RMS 133
mV
40
20
0
−20
−40
−60
0
100
200
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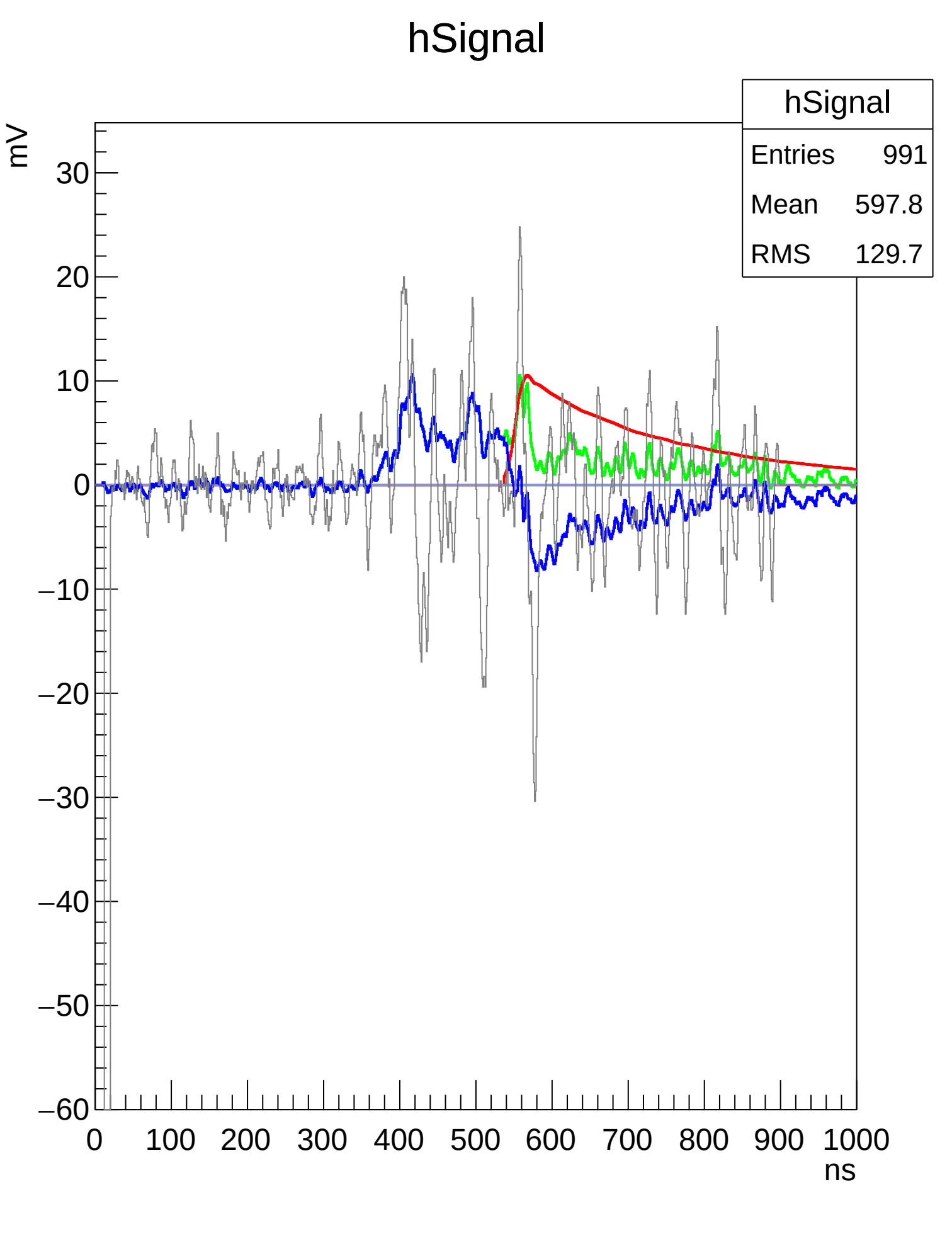
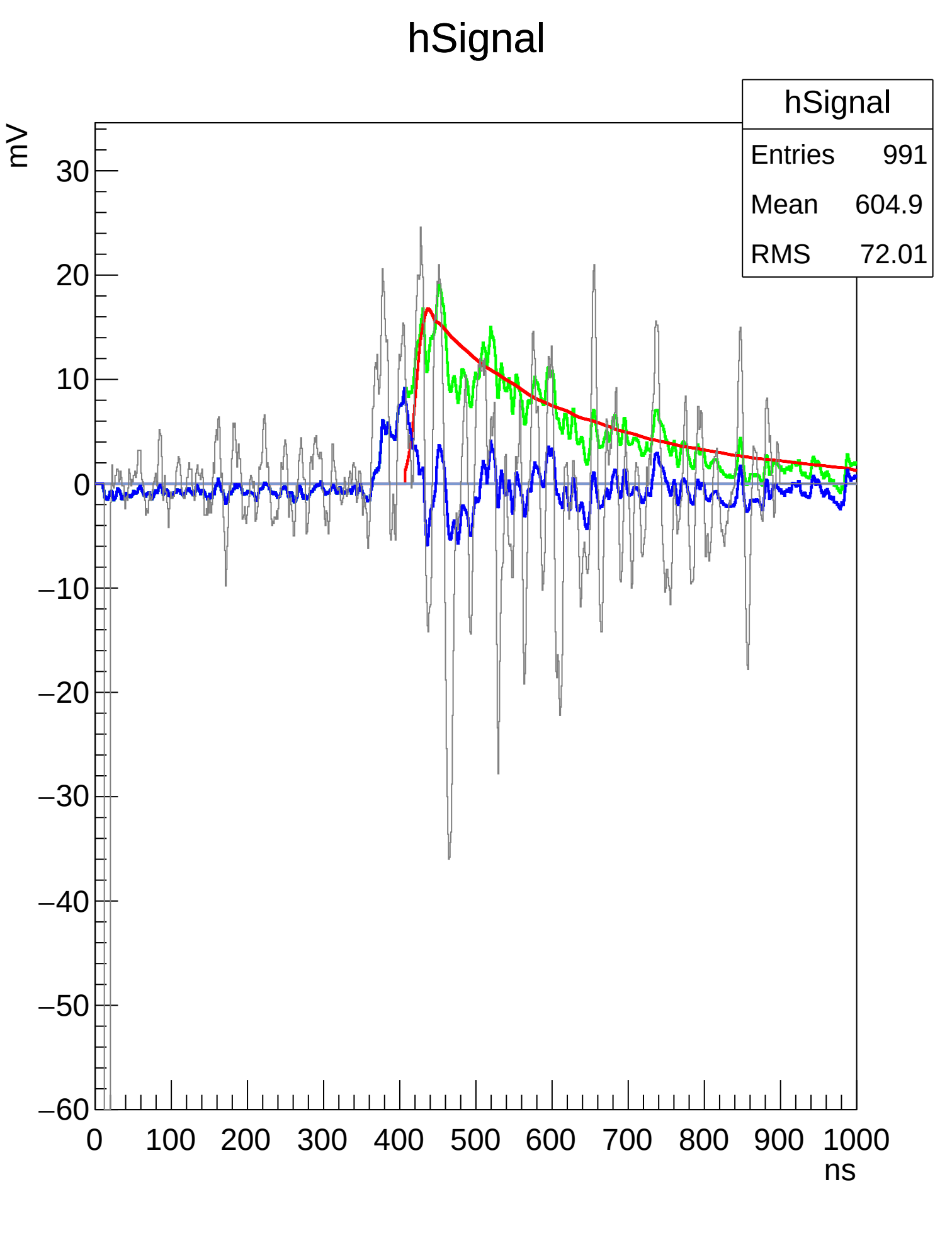
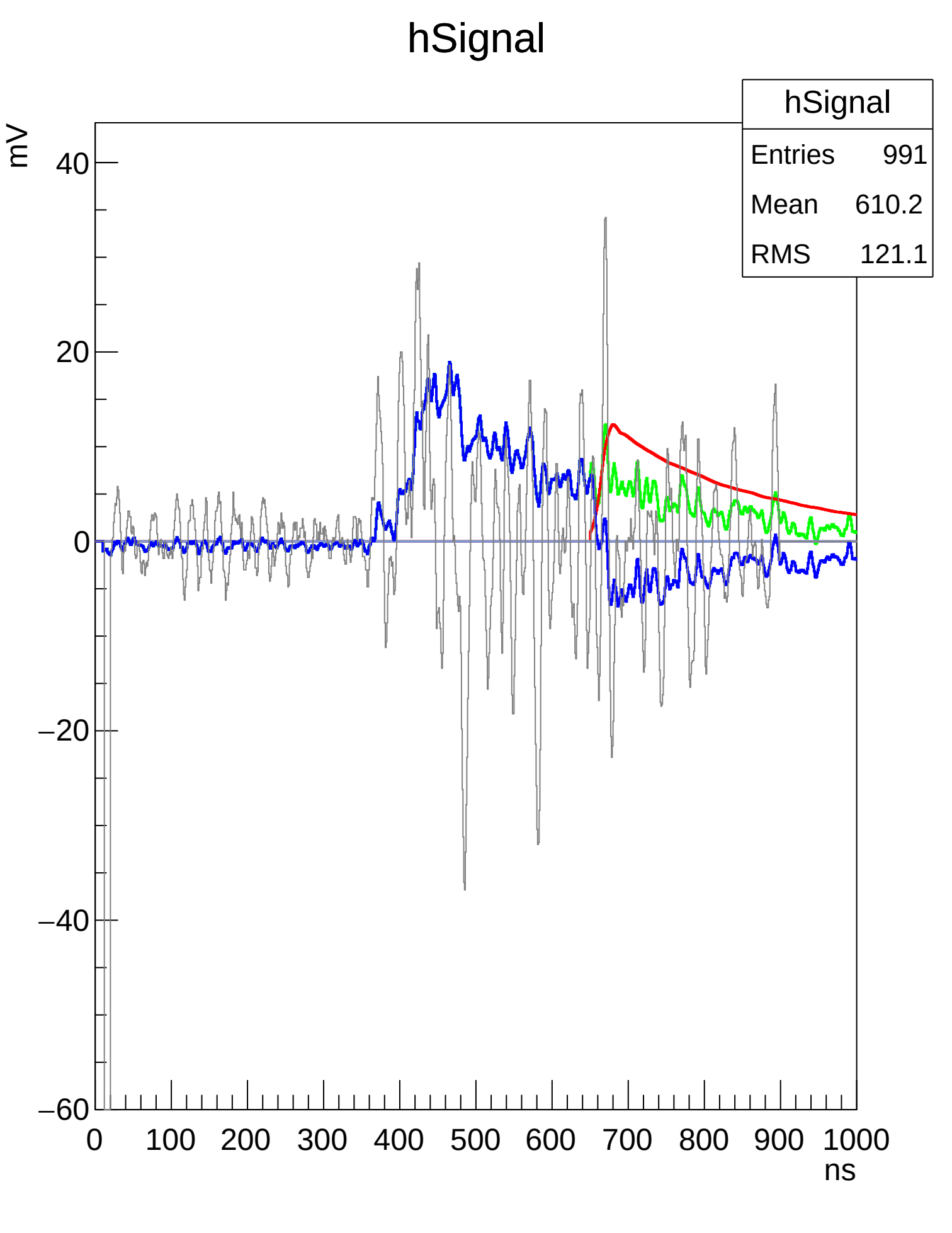
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.8
RMS 129.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.9
RMS 72.01
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.2
RMS 121.1
mV
40
20
0
−20
−40
−60
0
100
200
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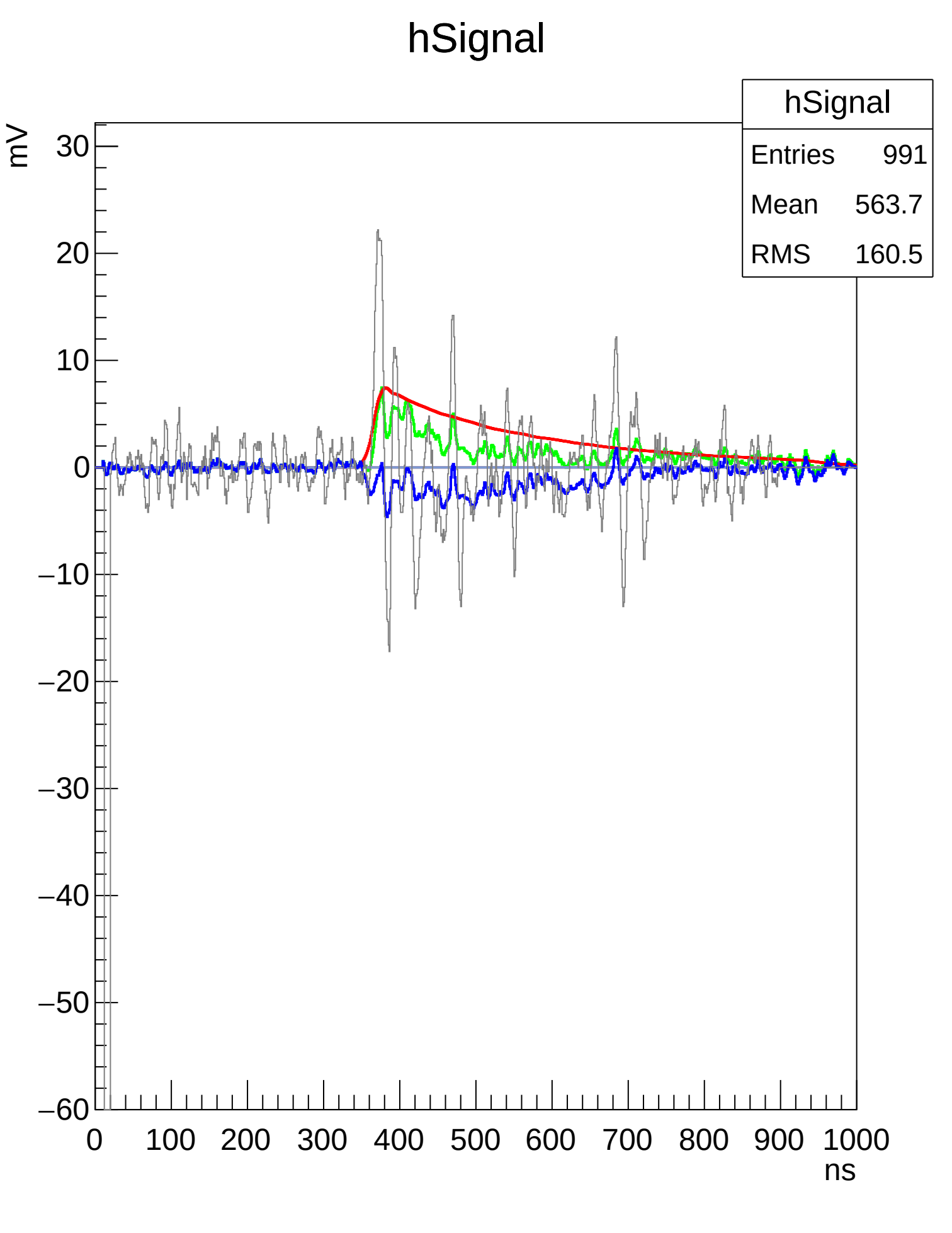
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.7
RMS 160.5
mV
30
20
10
0
−10
−20
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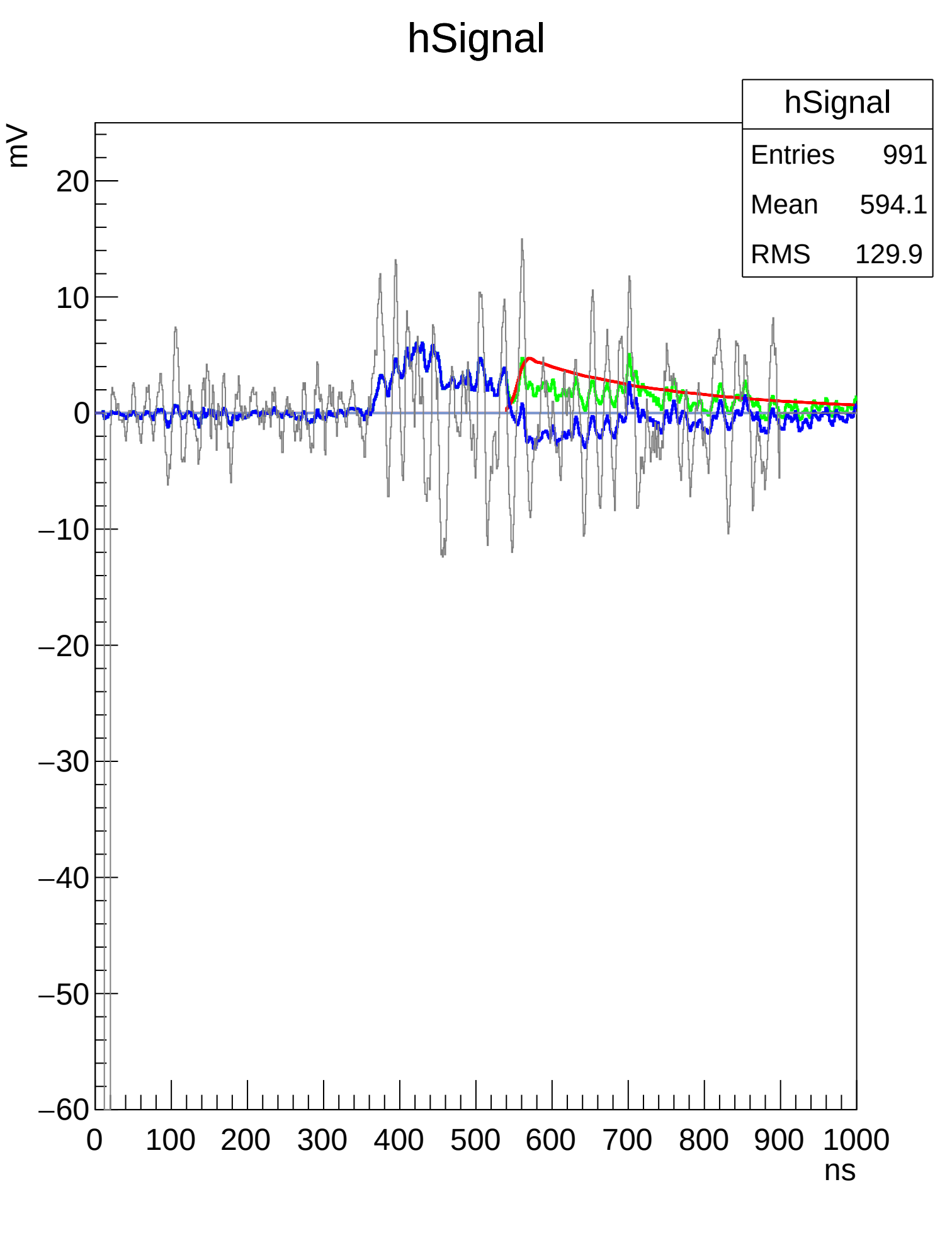
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.1
RMS 129.9
mV
20
10
0
−10
−20
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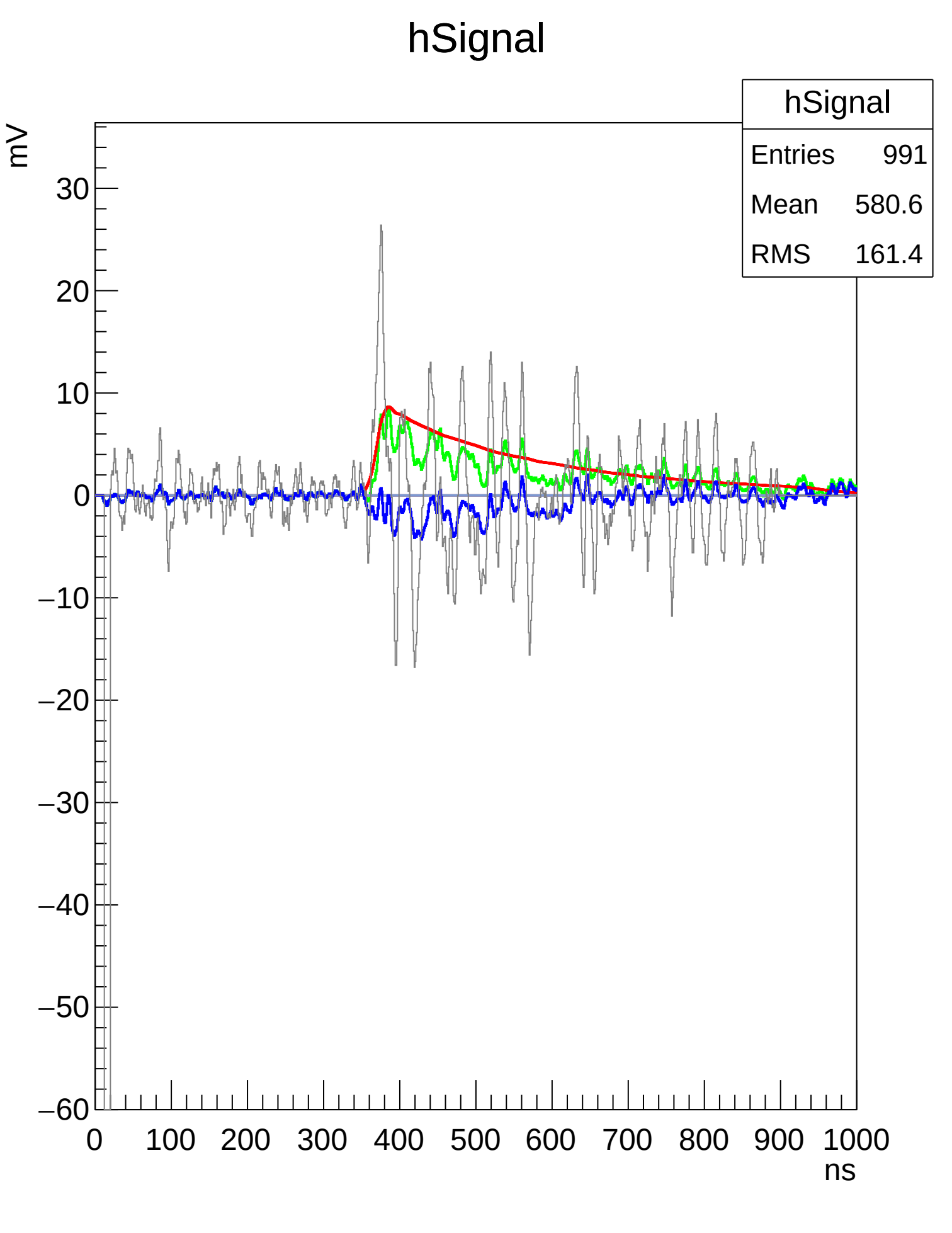
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.6
RMS 161.4
mV
30
20
10
0
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−40
−50
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0
100
200
300
400
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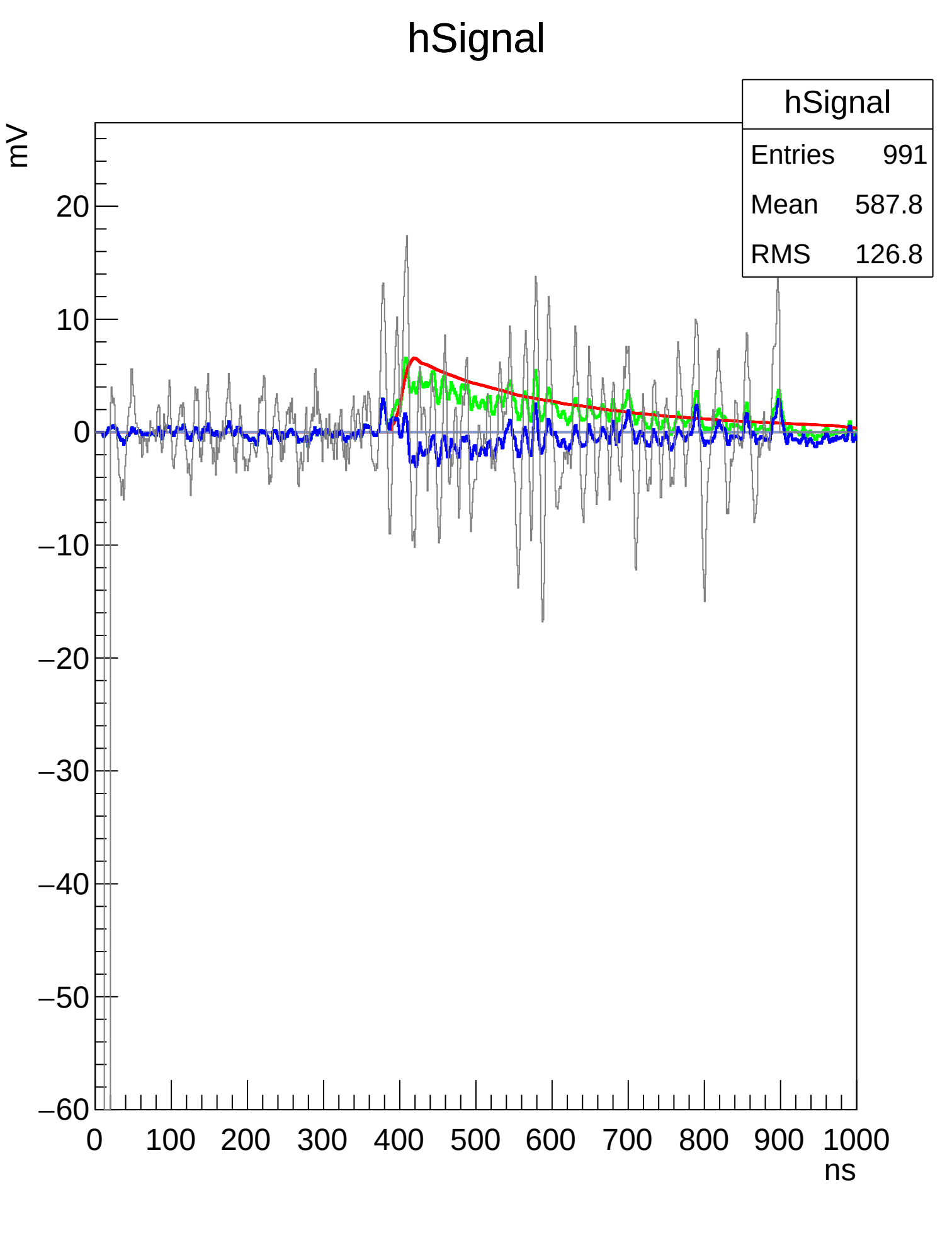
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 126.8
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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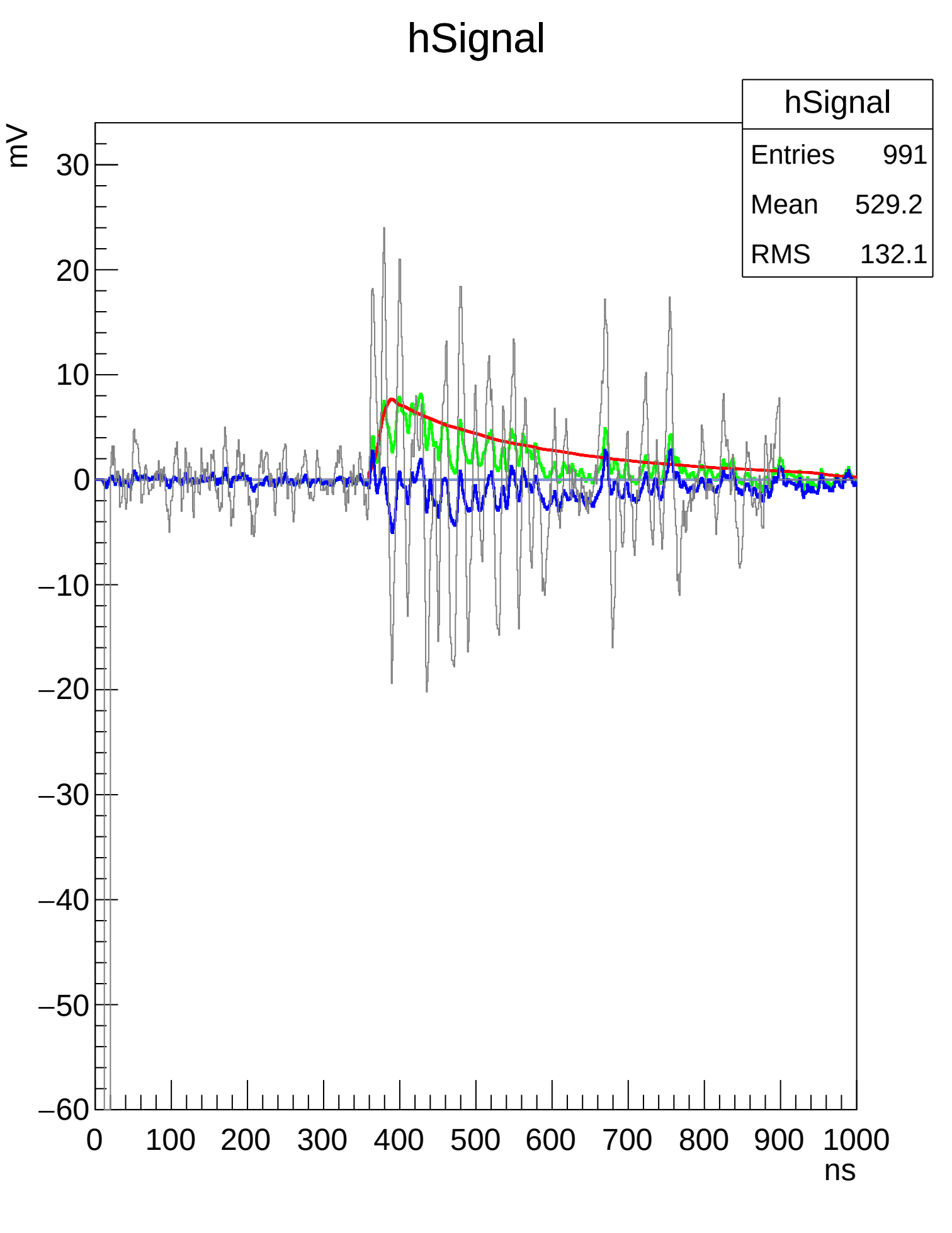
1000
ns


hSignal
hSignal
Entries 991
Mean 529.2
RMS 132.1
mV
30
20
10
0
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−50
−60
0
100
200
300
400
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800
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1000
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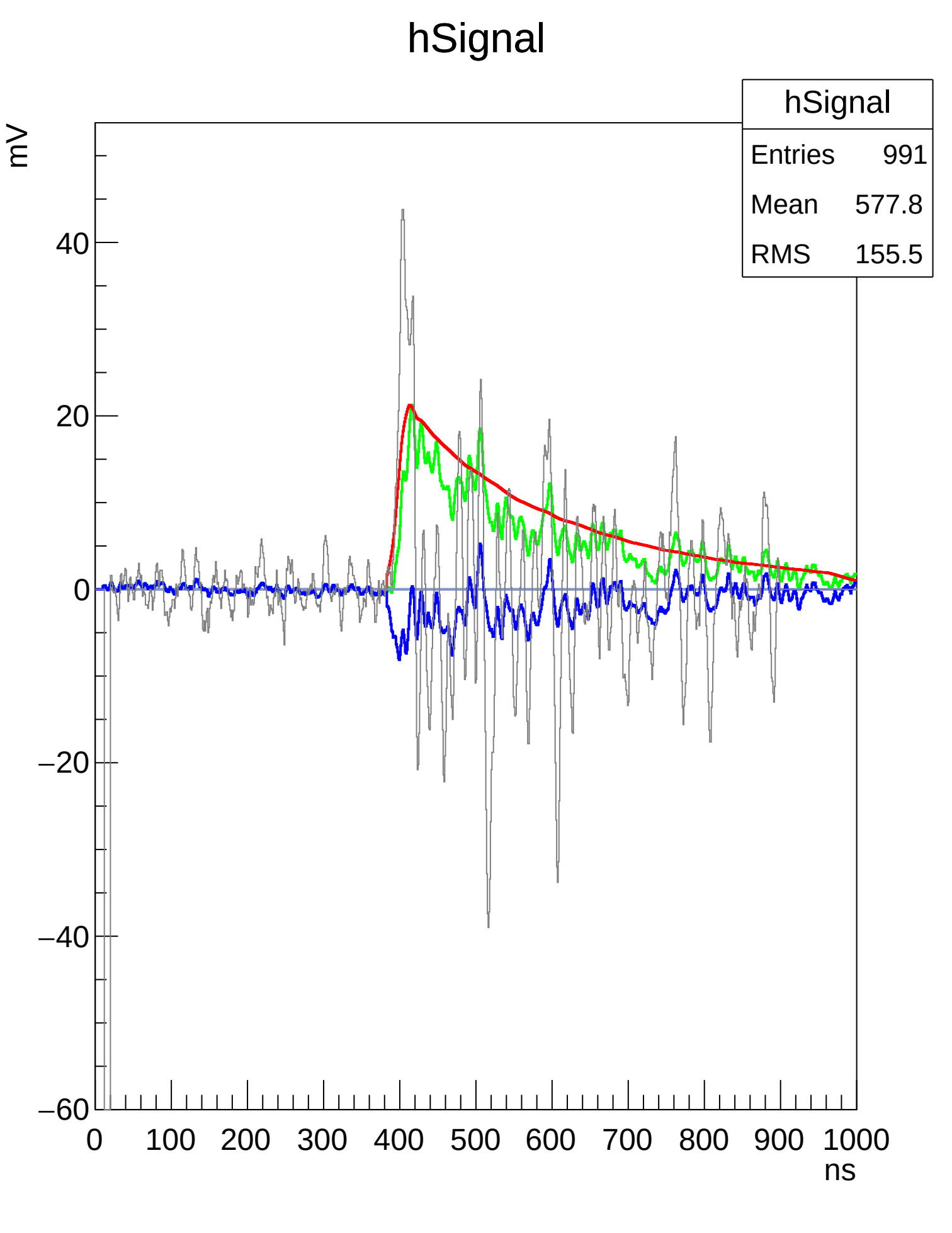
hSignal
hSignal
Entries 991
Mean 577.8
RMS 155.5
mV
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−40
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0
100
200
300
400
500
600
700
800
900
1000
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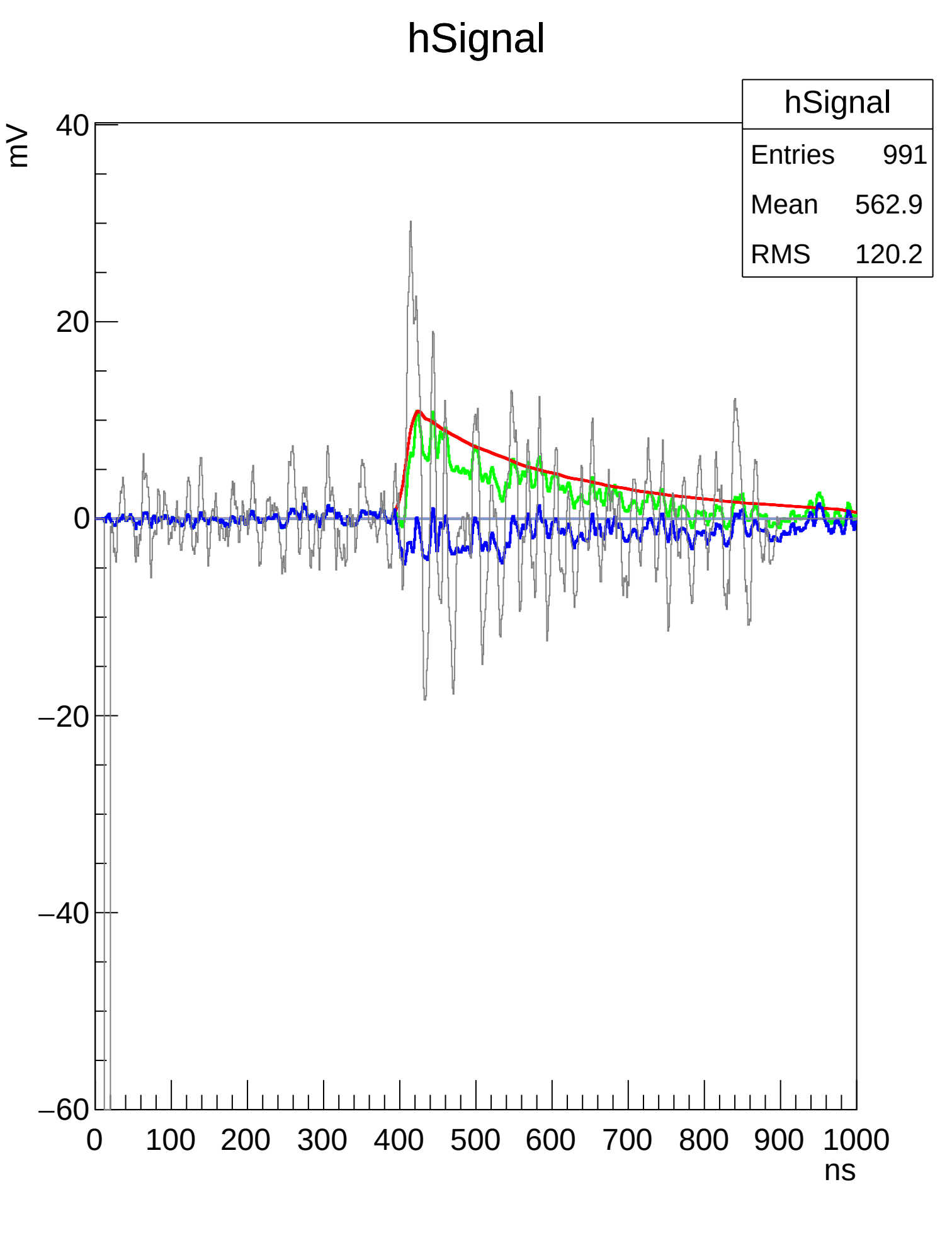
hSignal
hSignal
Entries 991
Mean 562.9
RMS 120.2
mV
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−20
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0
100
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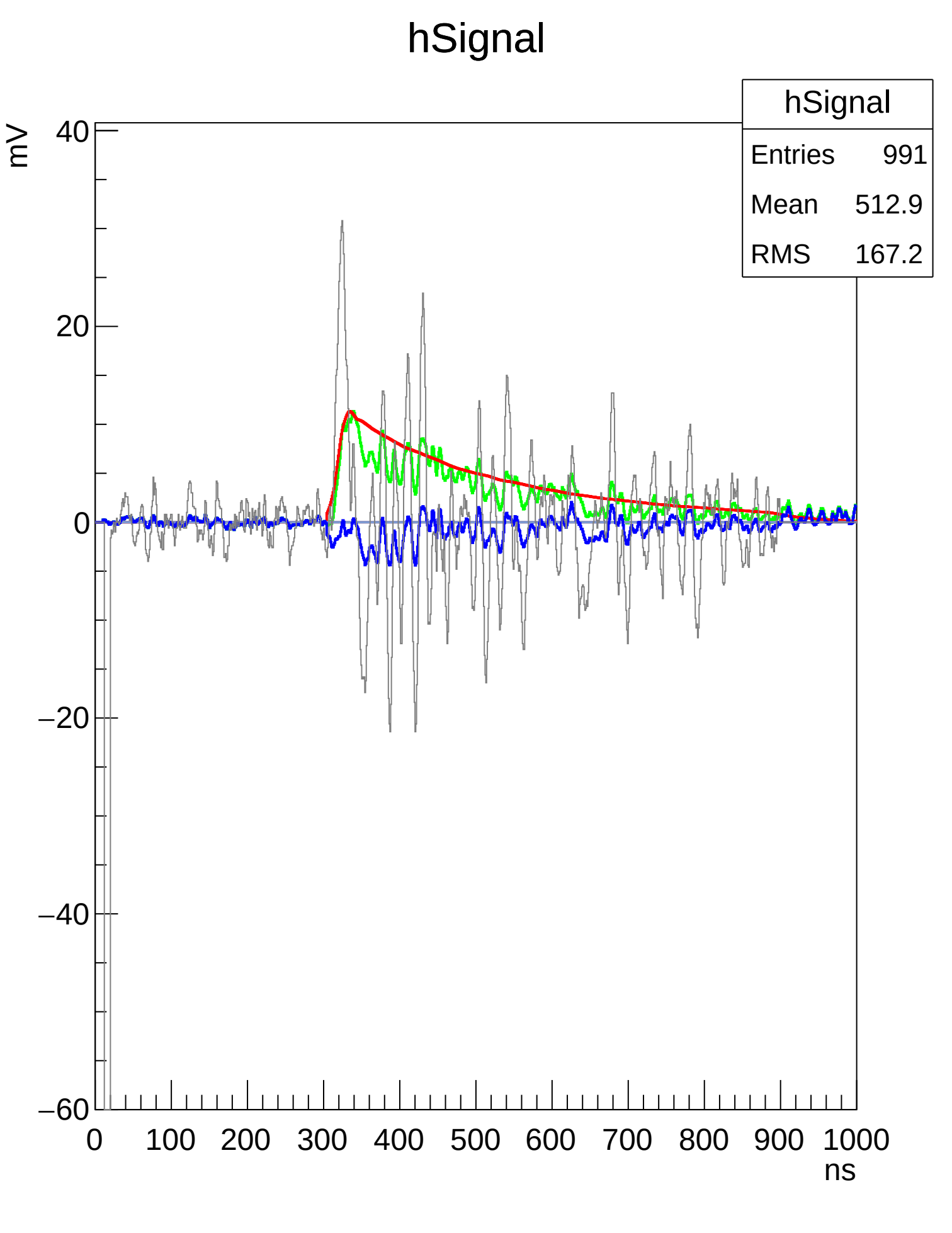
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.9
RMS 167.2
mV
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−20
−40
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0
100
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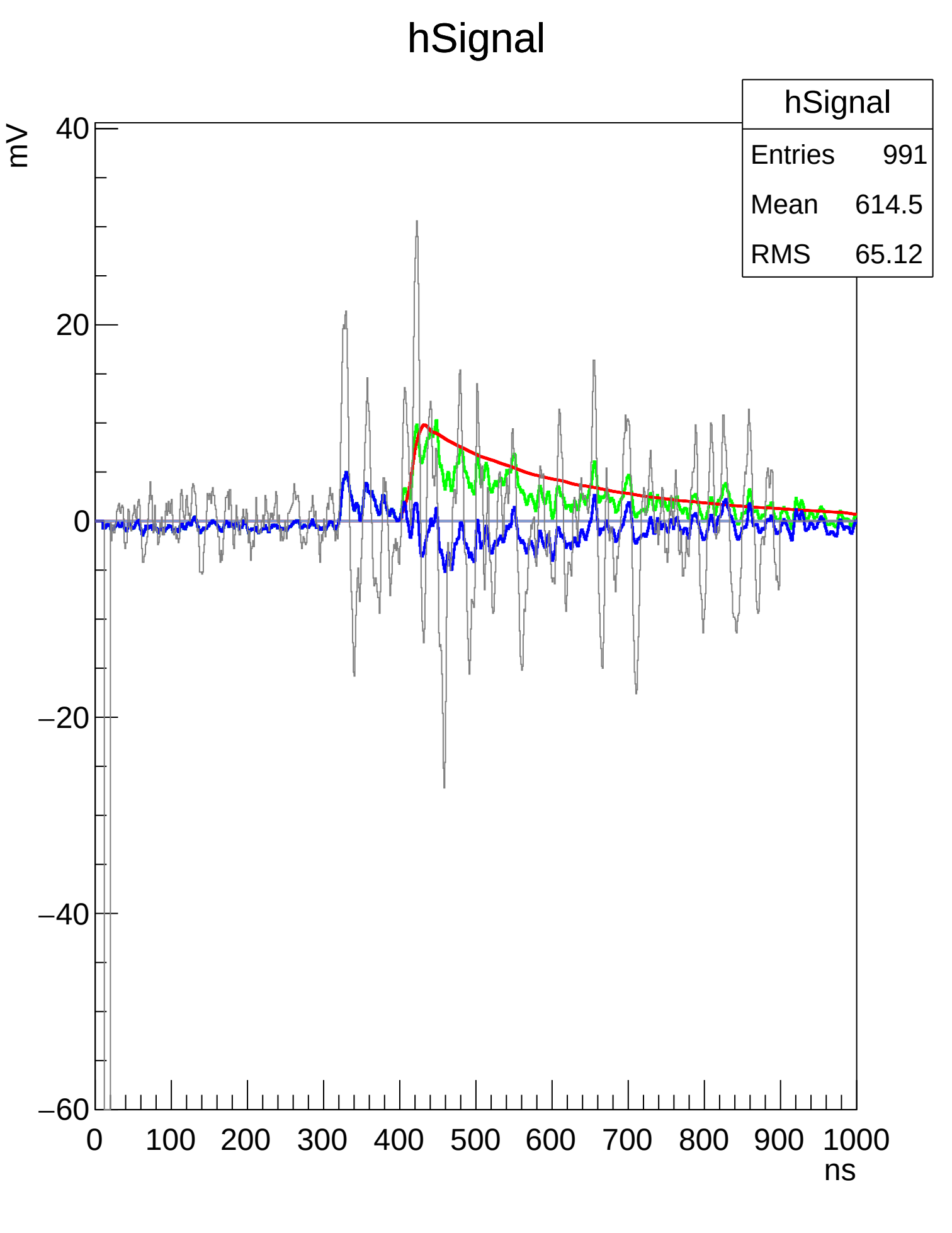
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.5
RMS 65.12
mV
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0
100
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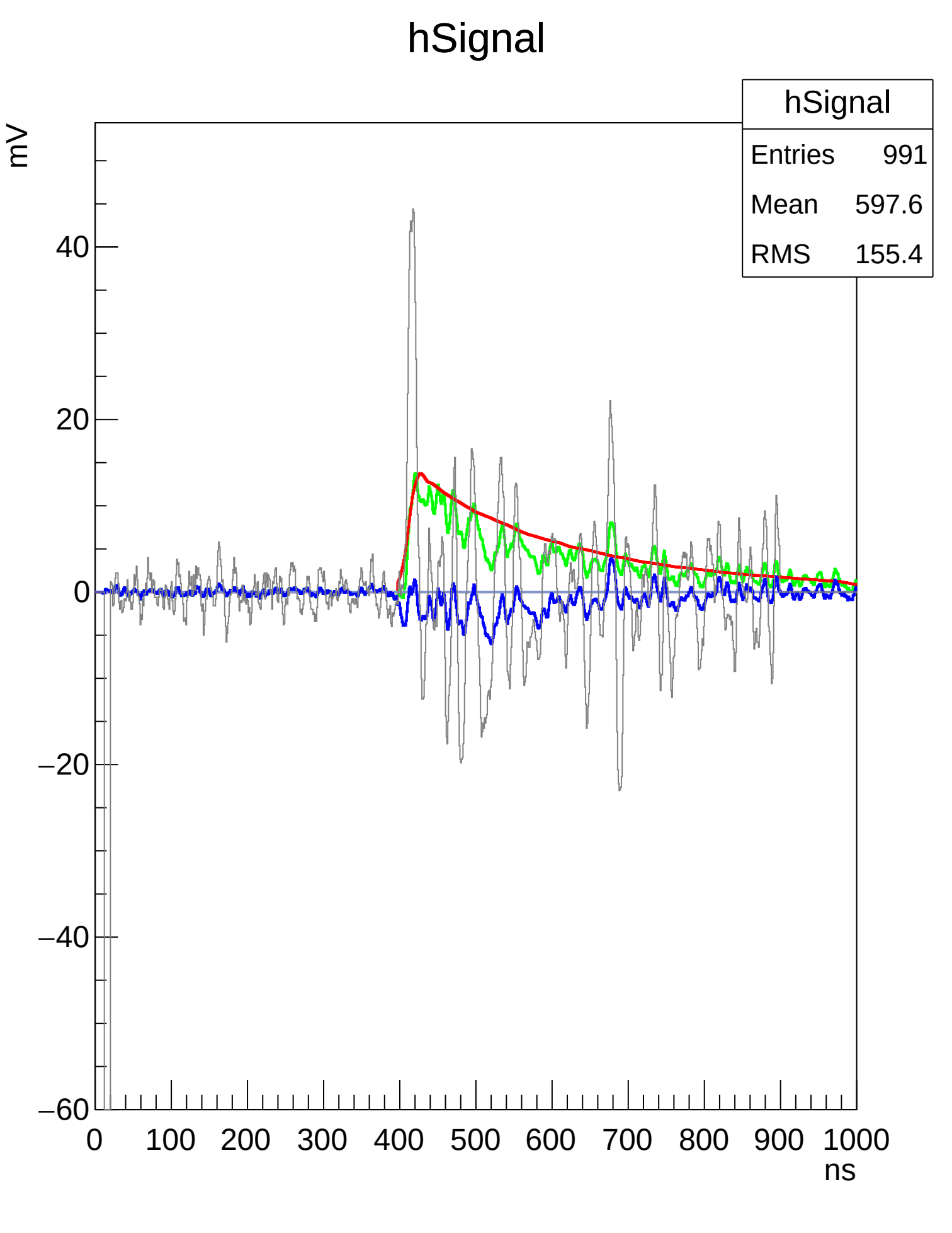
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.6
RMS 155.4
mV
40
20
0
−20
−40
−60
0
100
200
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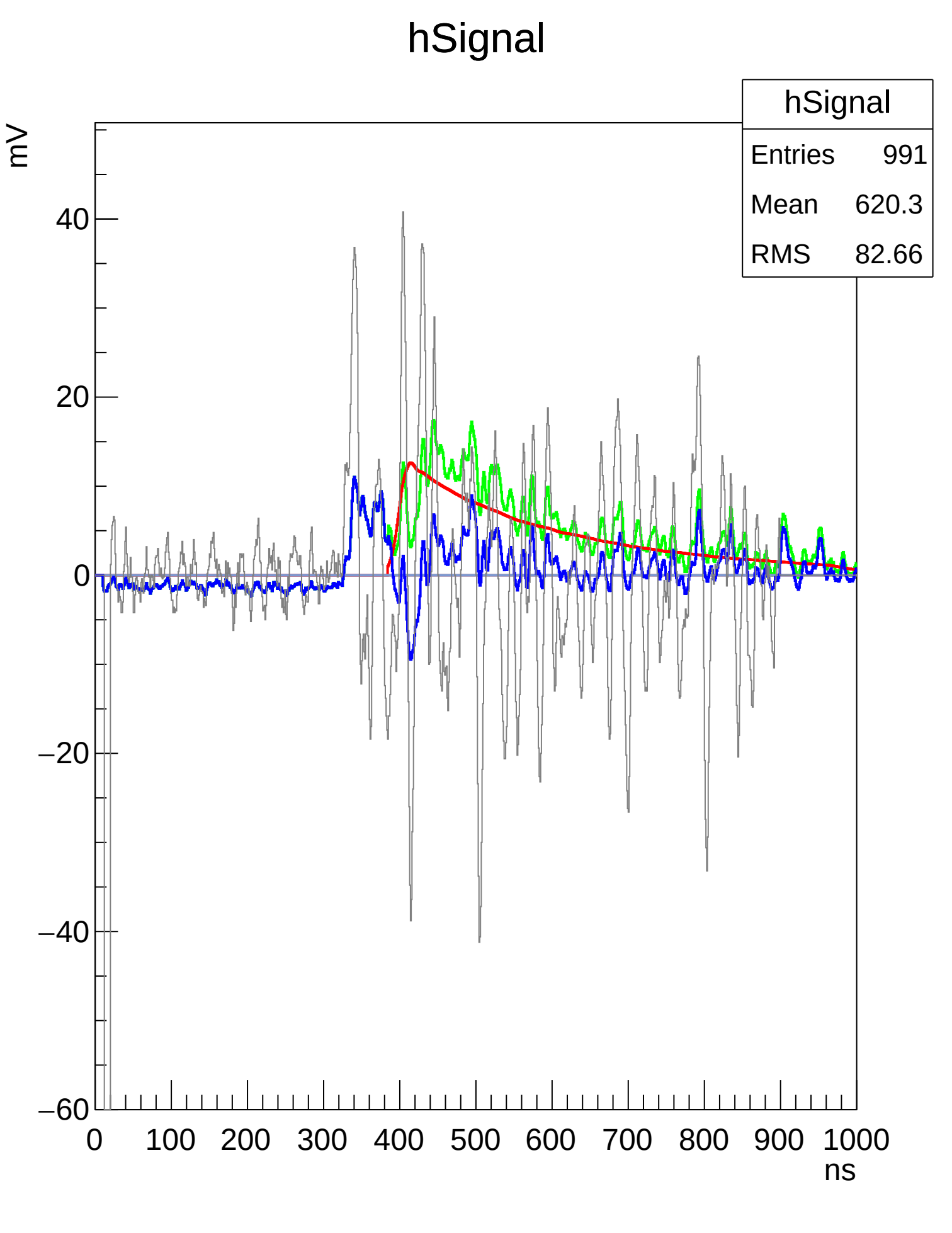
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.3
RMS 82.66
mV
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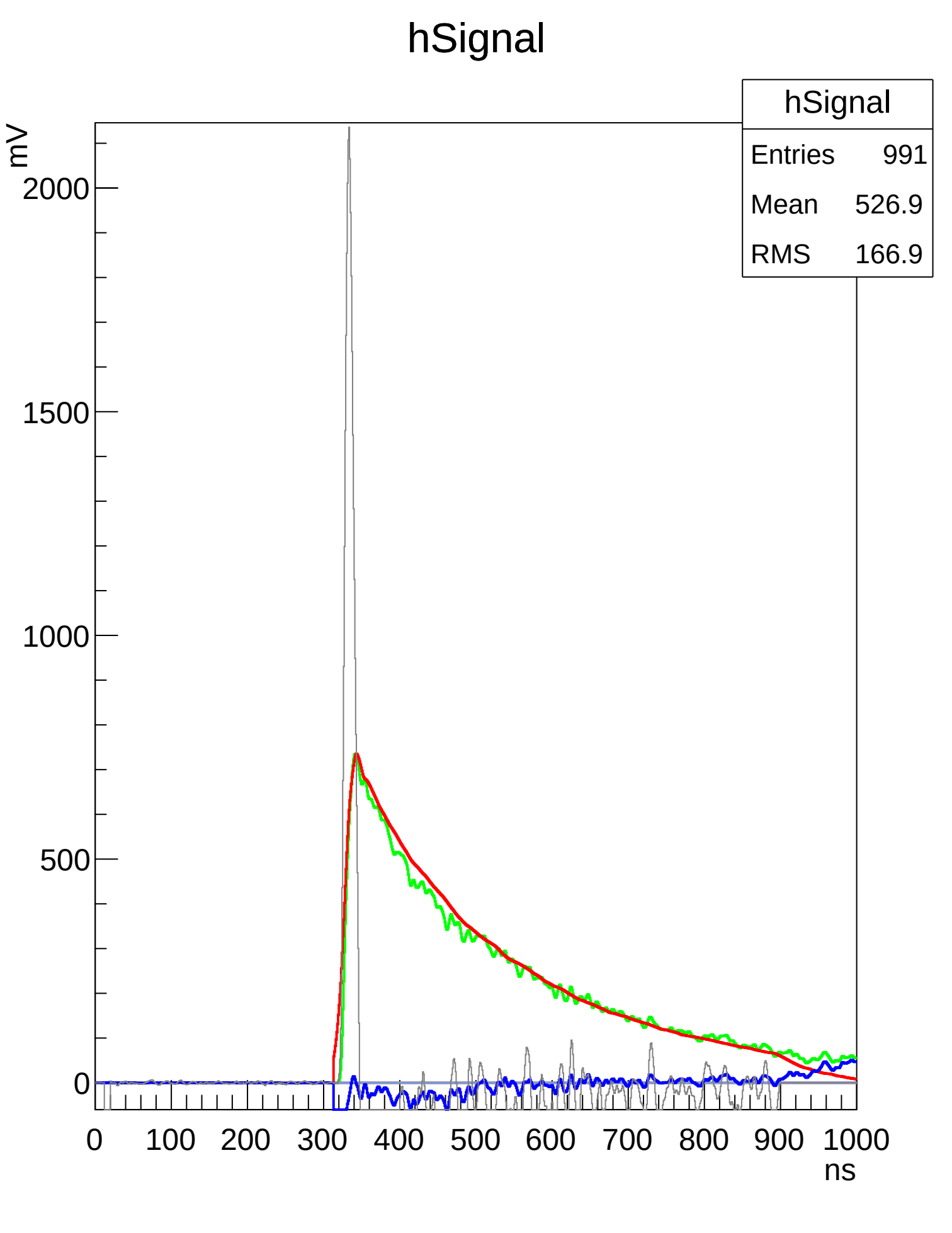
ns


hSignal
hSignal
Entries 991
Mean 526.9
RMS 166.9
mV
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1500
1000
500
0
0
100
200
300
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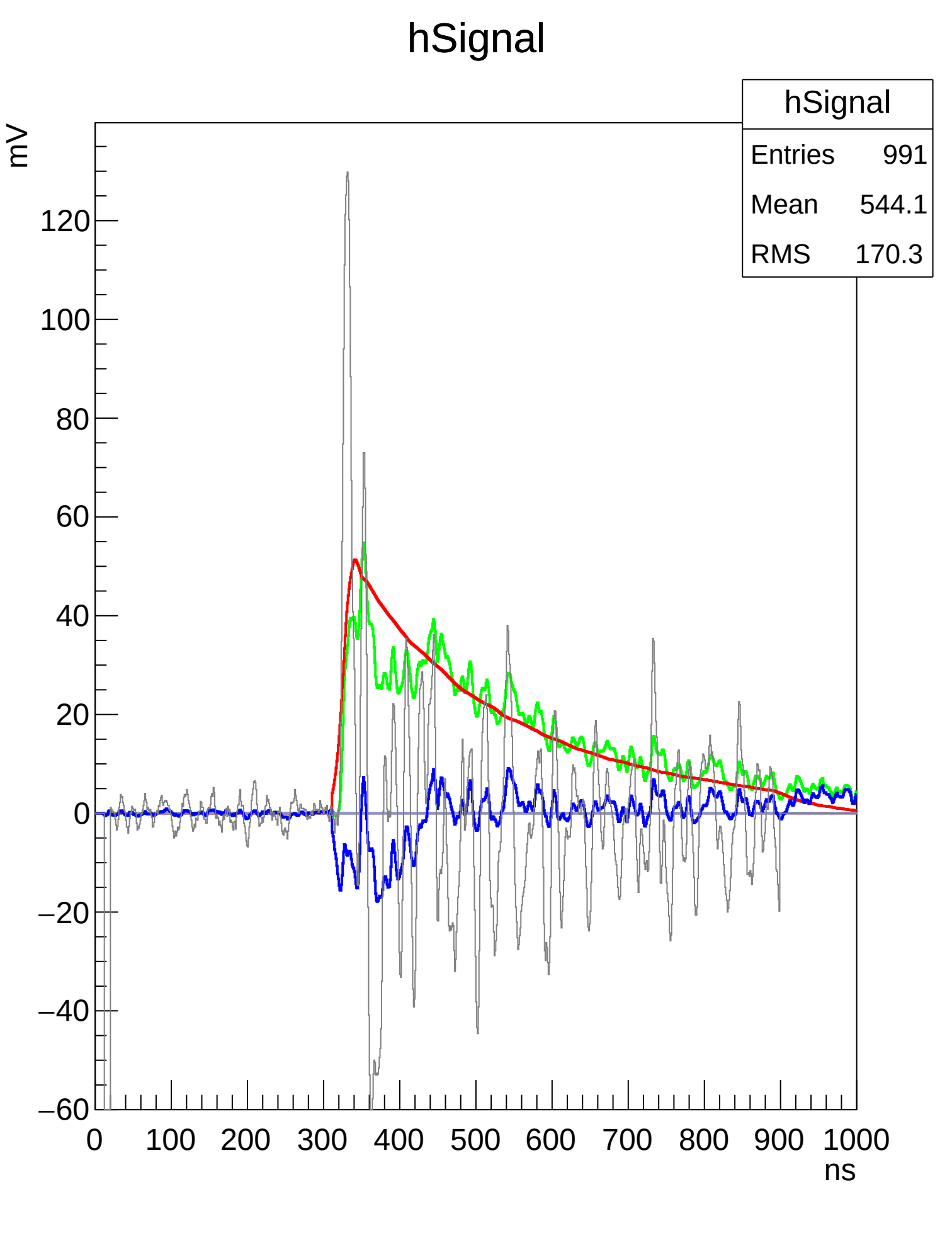
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.1
RMS 170.3
mV
120
100
80
60
40
20
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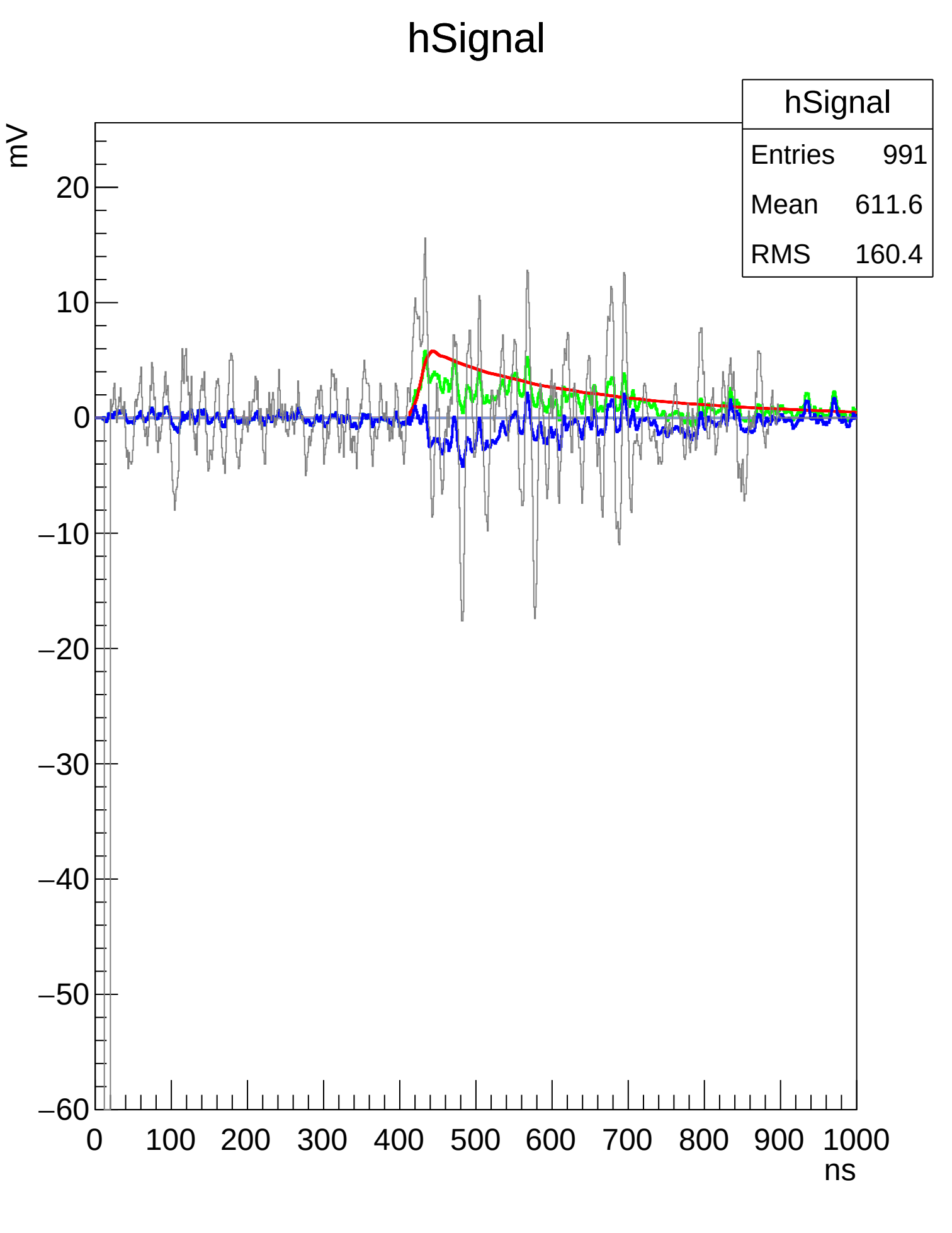
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.6
RMS 160.4
mV
20
10
0
−10
−20
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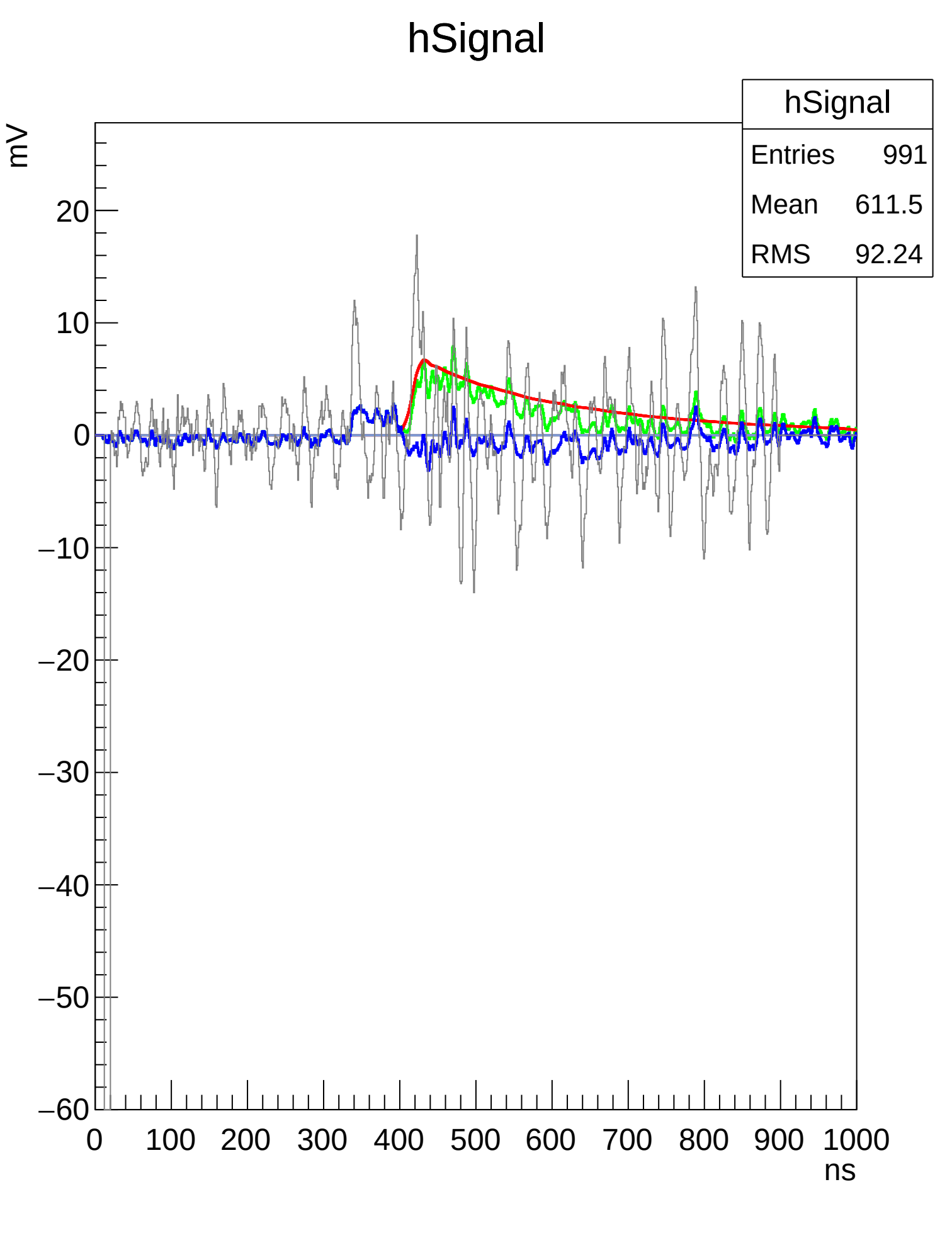
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.5
RMS 92.24
mV
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10
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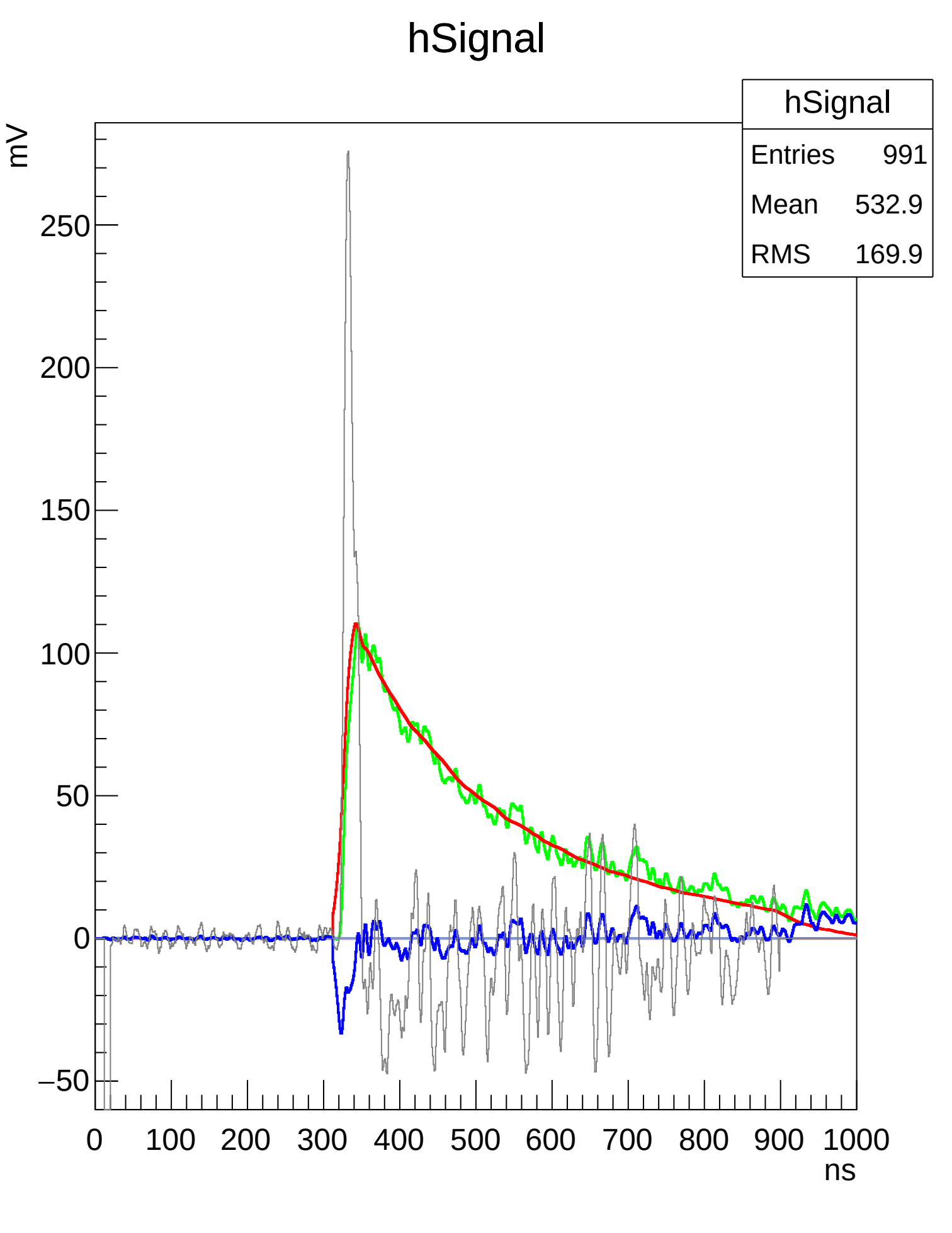
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.9
RMS 169.9
mV
250
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100
50
0
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0
100
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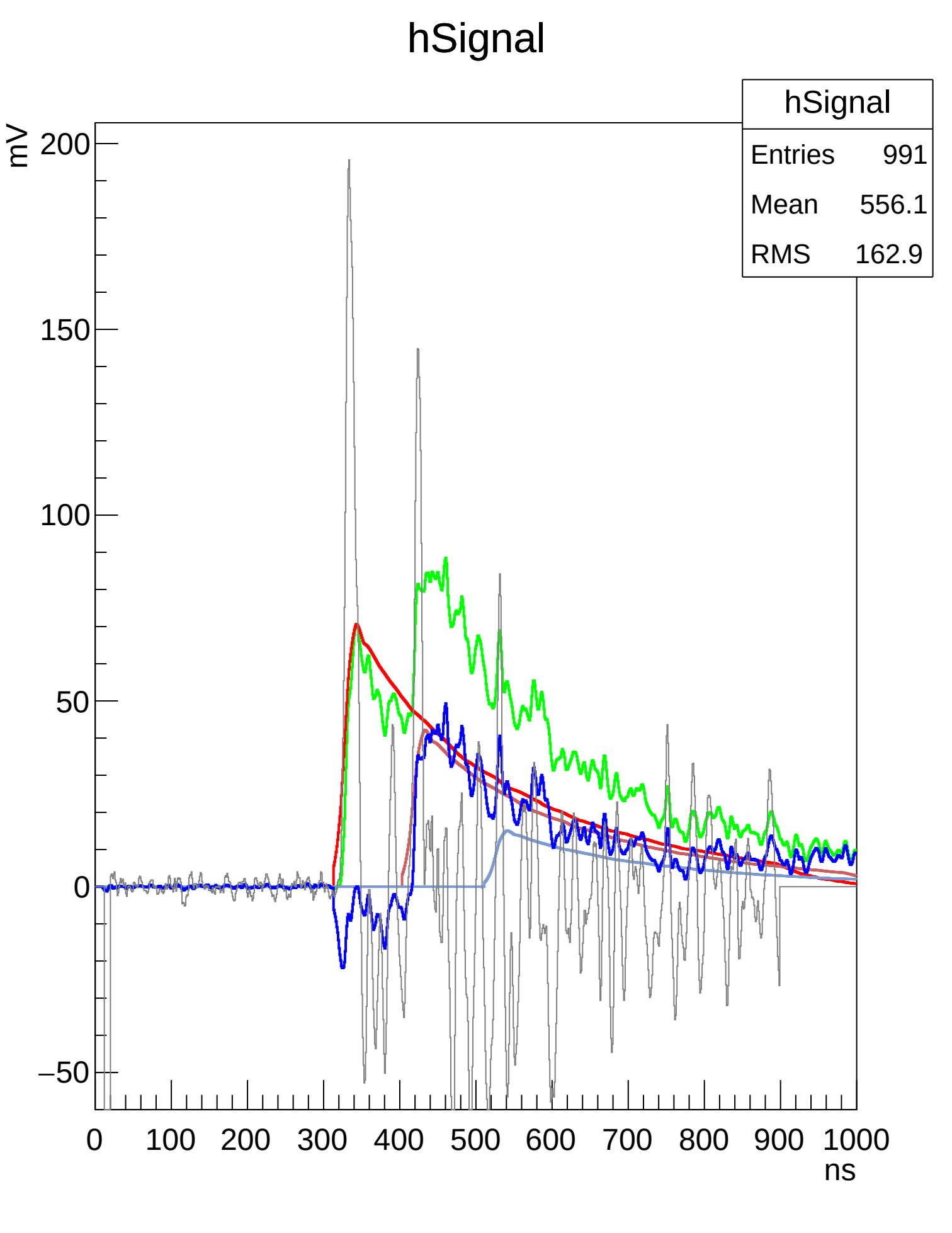
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.1
RMS 162.9
mV
200
150
100
50
0
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0
100
200
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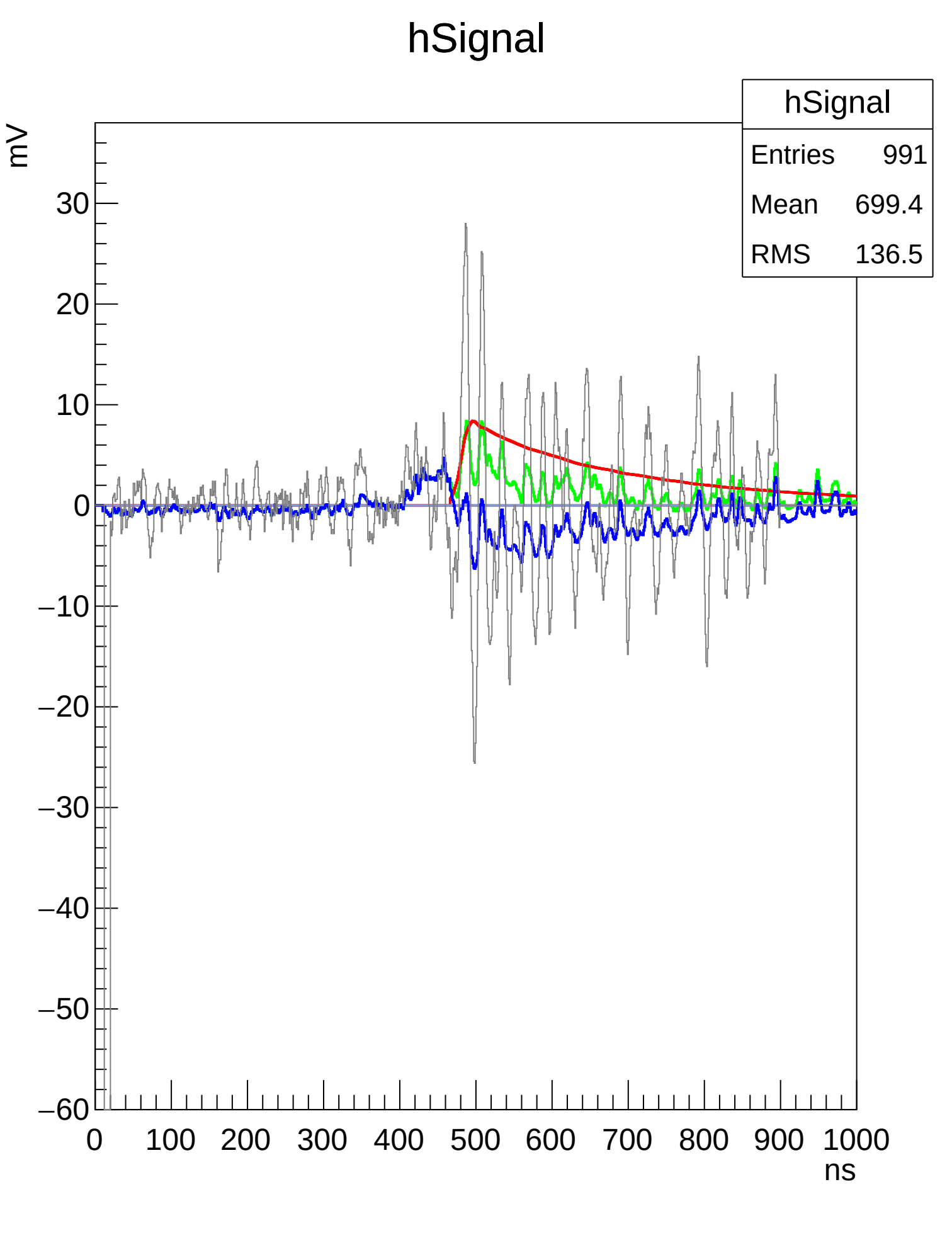
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 699.4
RMS 136.5
mV
30
20
10
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800
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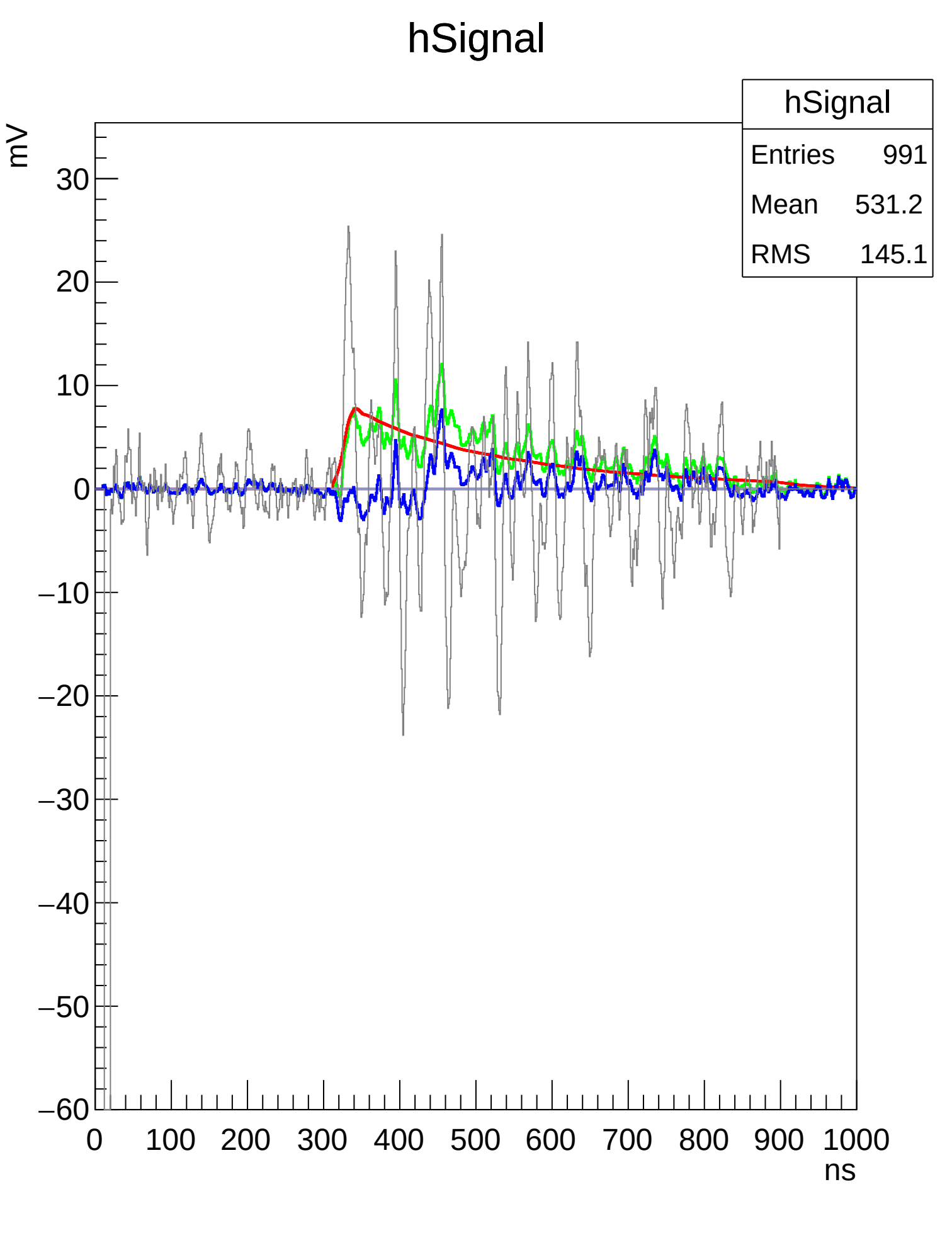
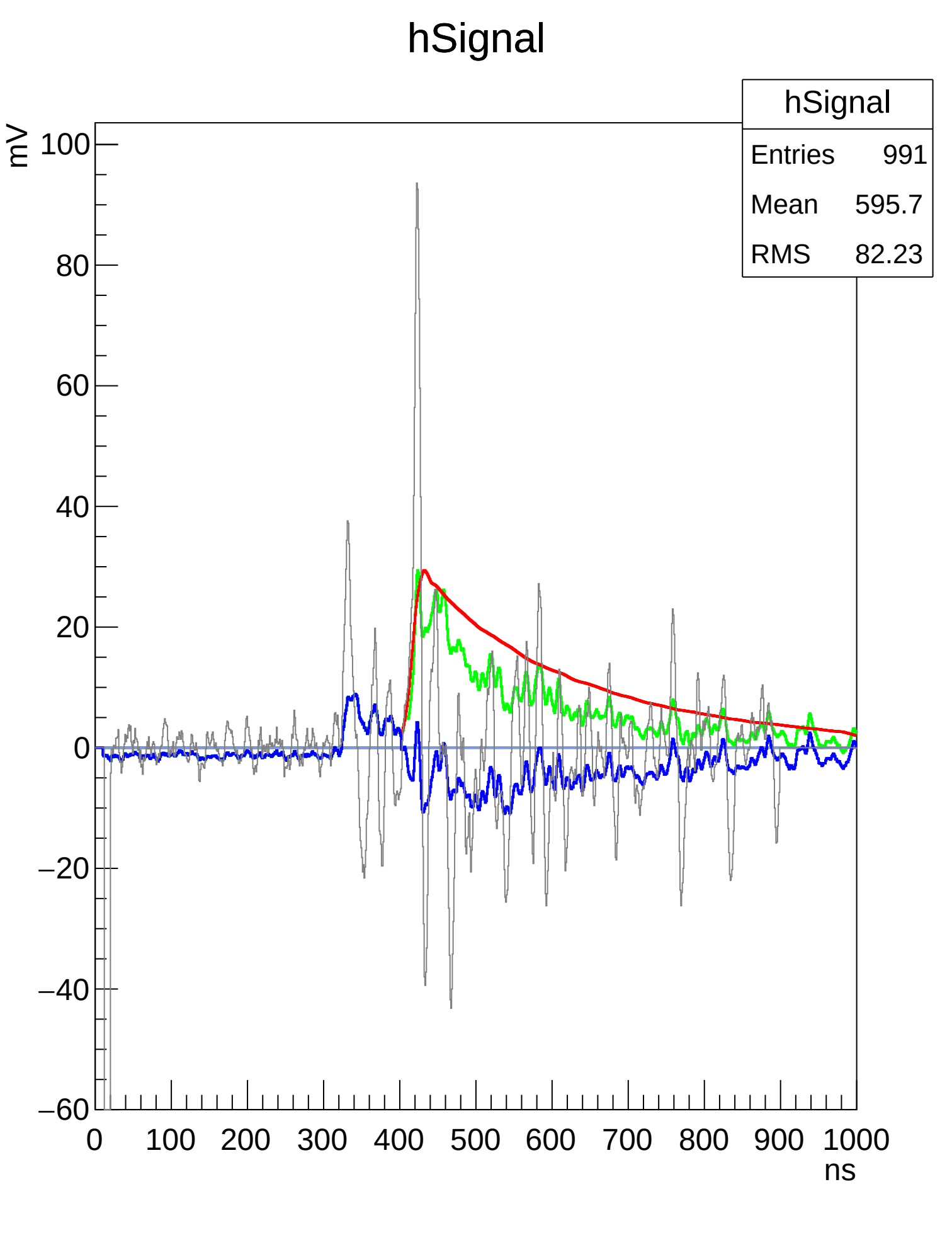
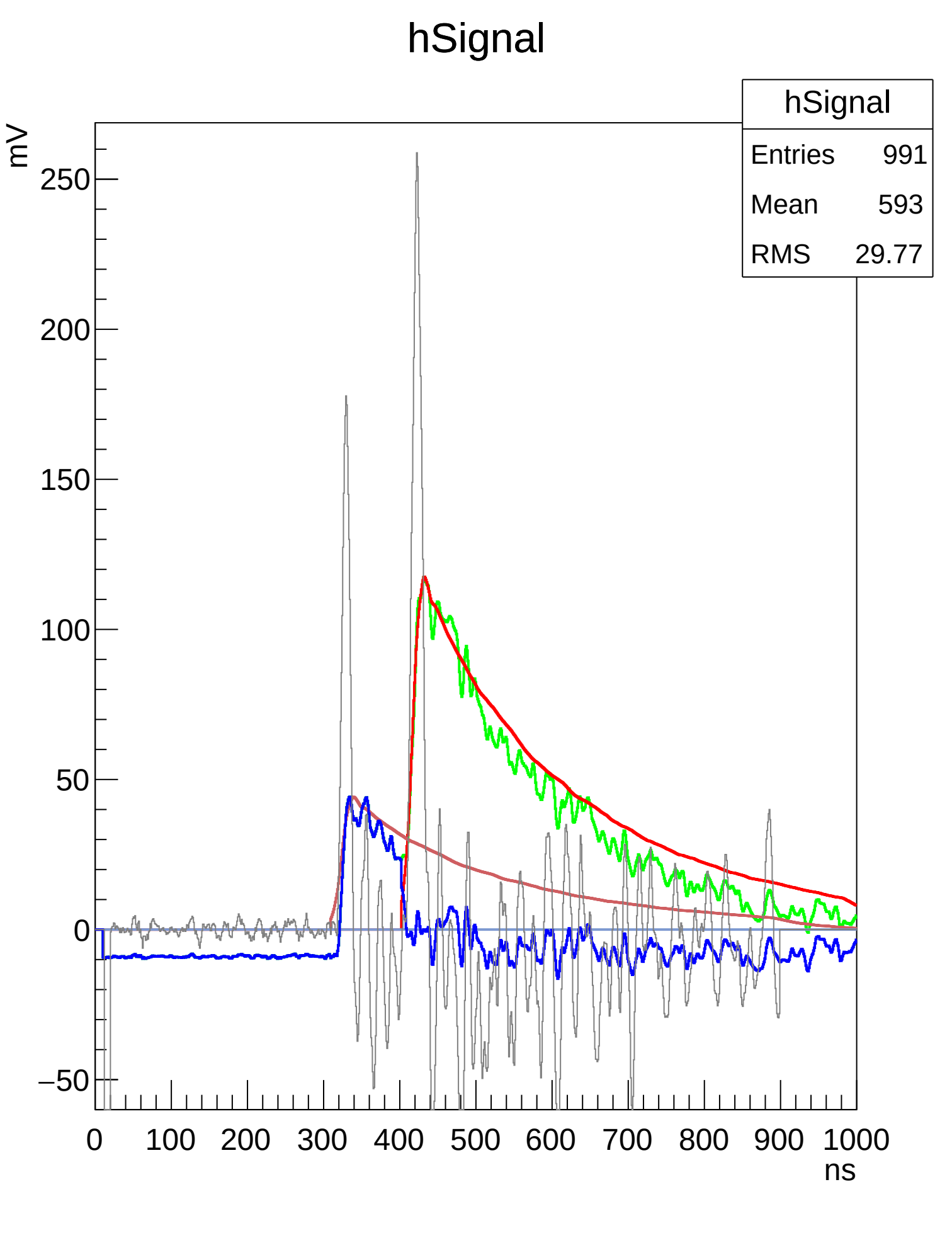
1000
ns


hSignal
hSignal
Entries 991
Mean 531.2
RMS 145.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.7
RMS 82.23
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593
RMS 29.77
mV
250
200
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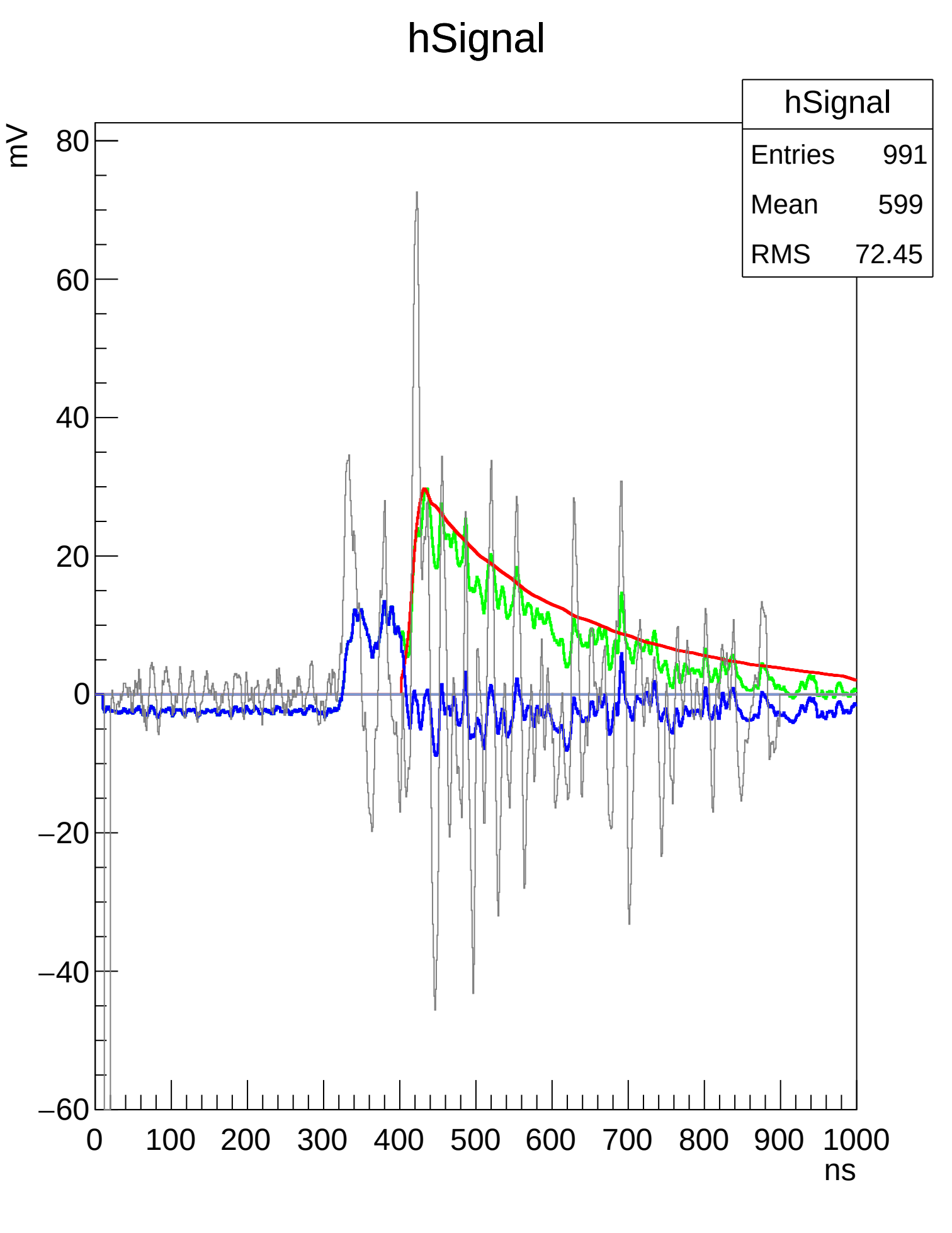
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599
RMS 72.45
mV
80
60
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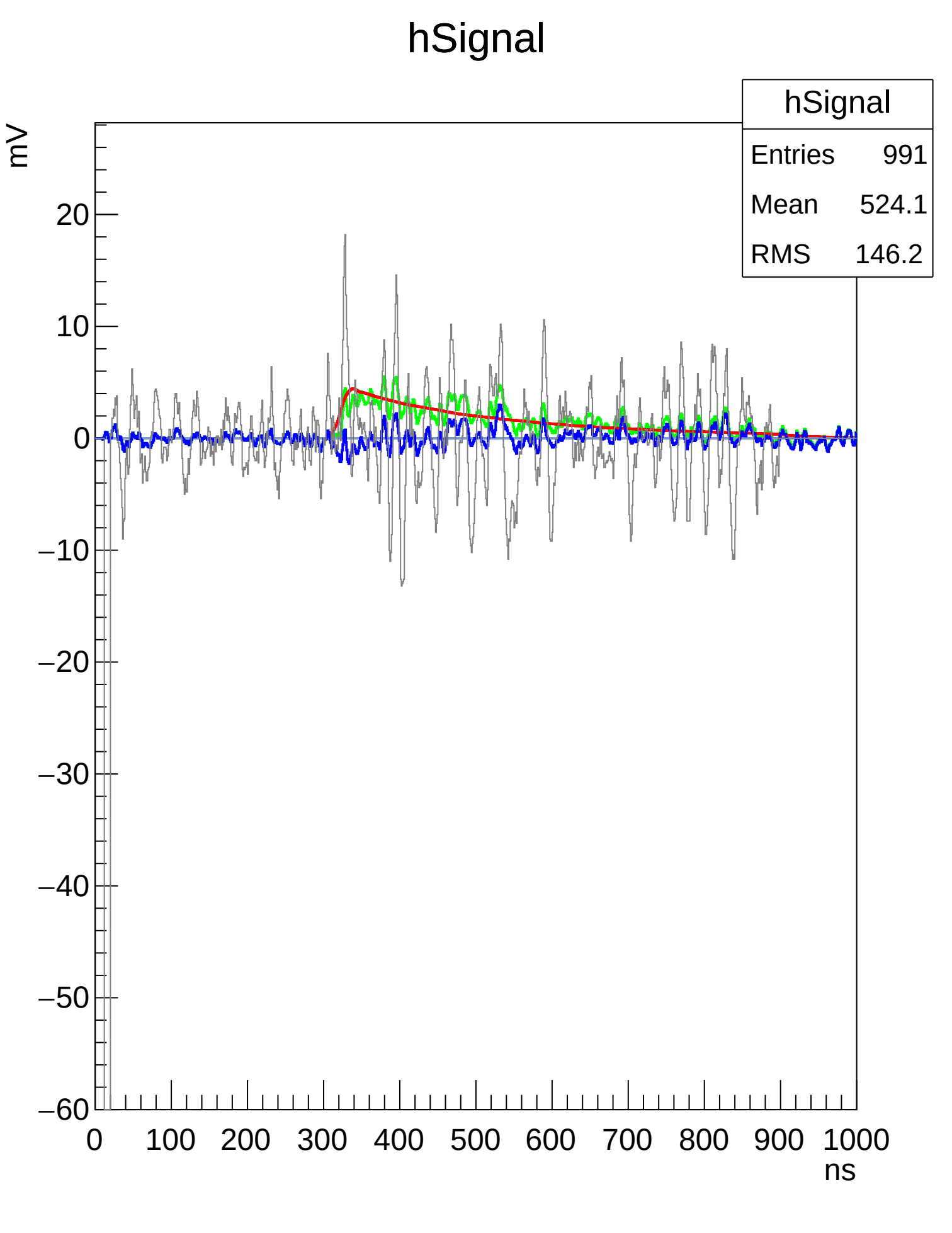
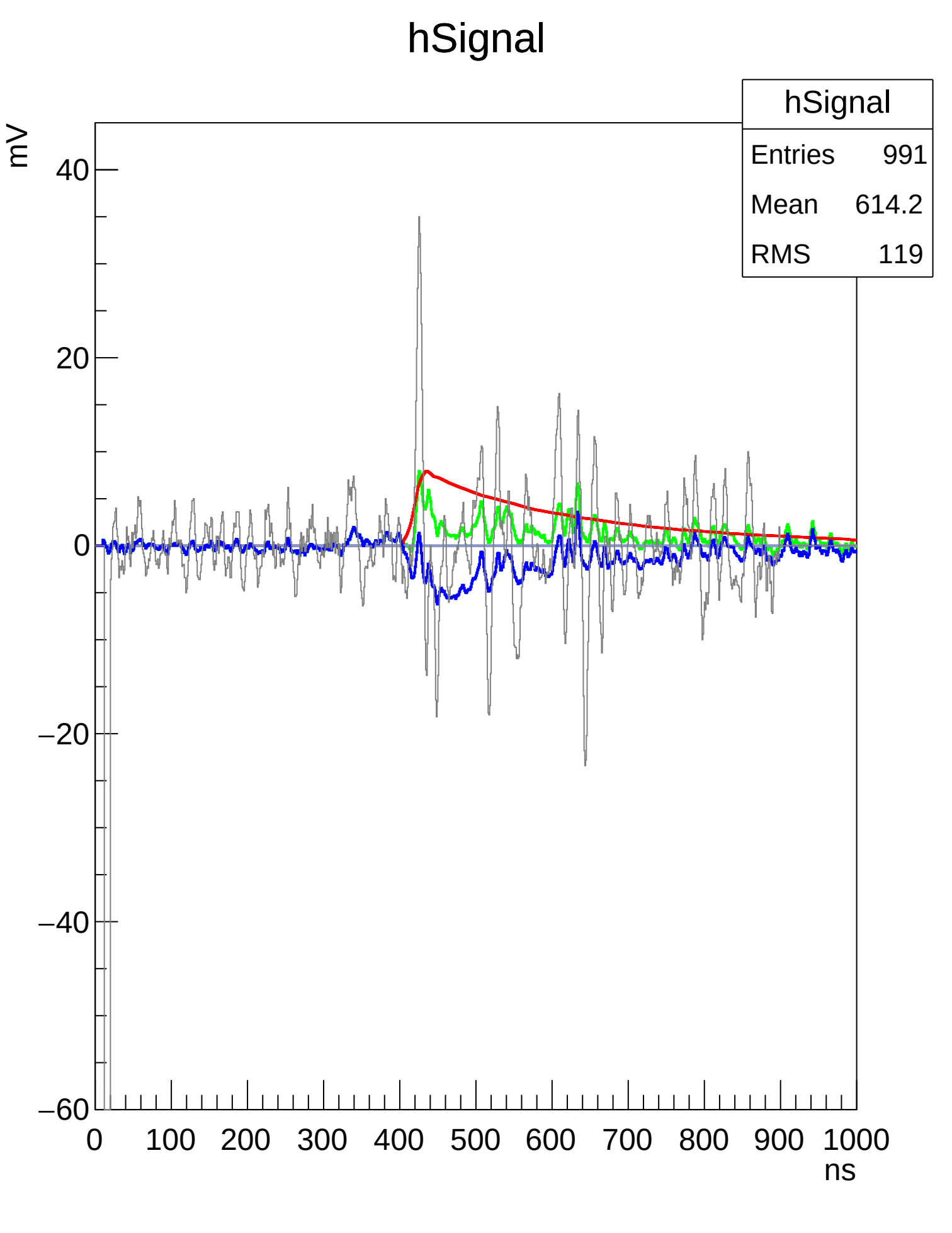
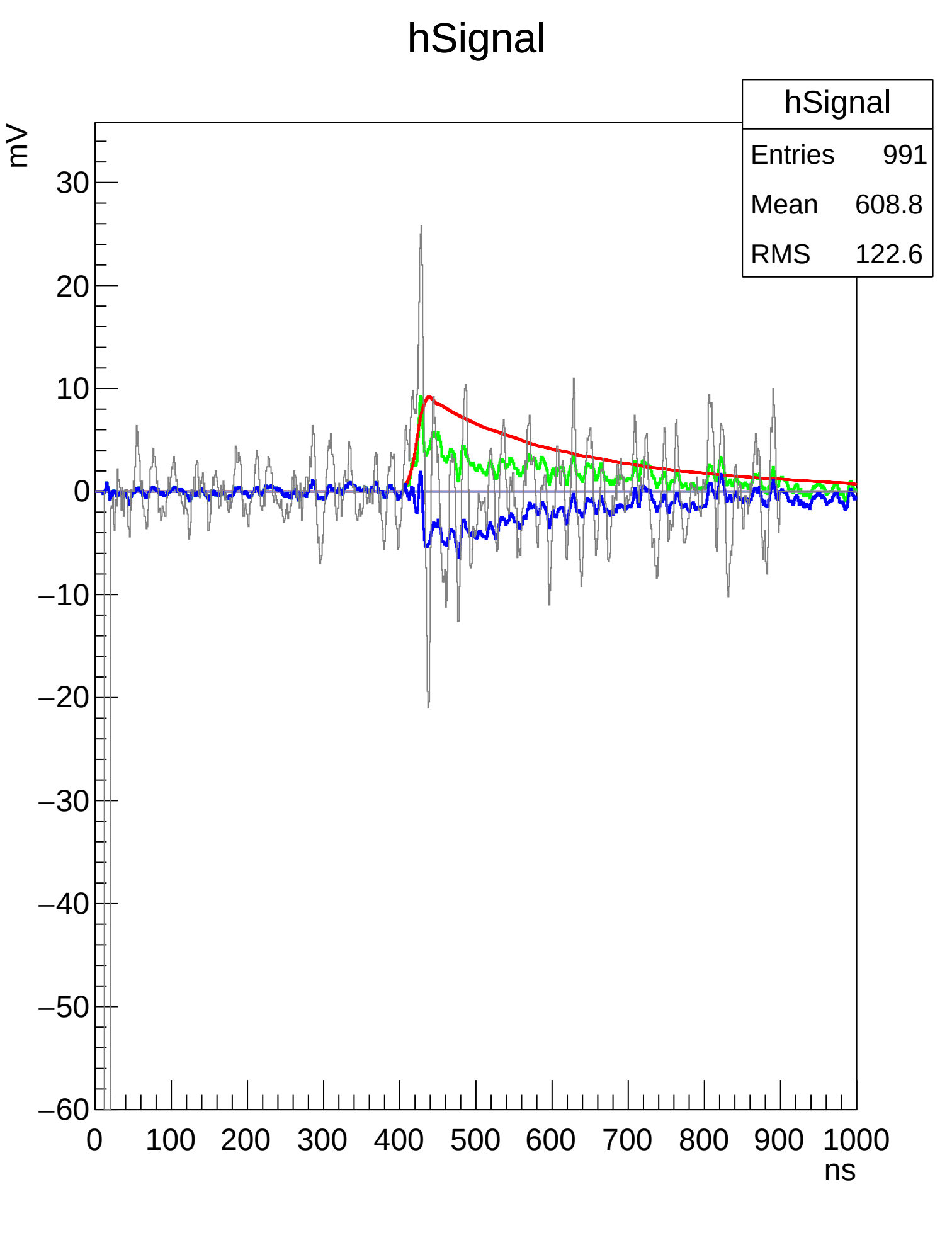
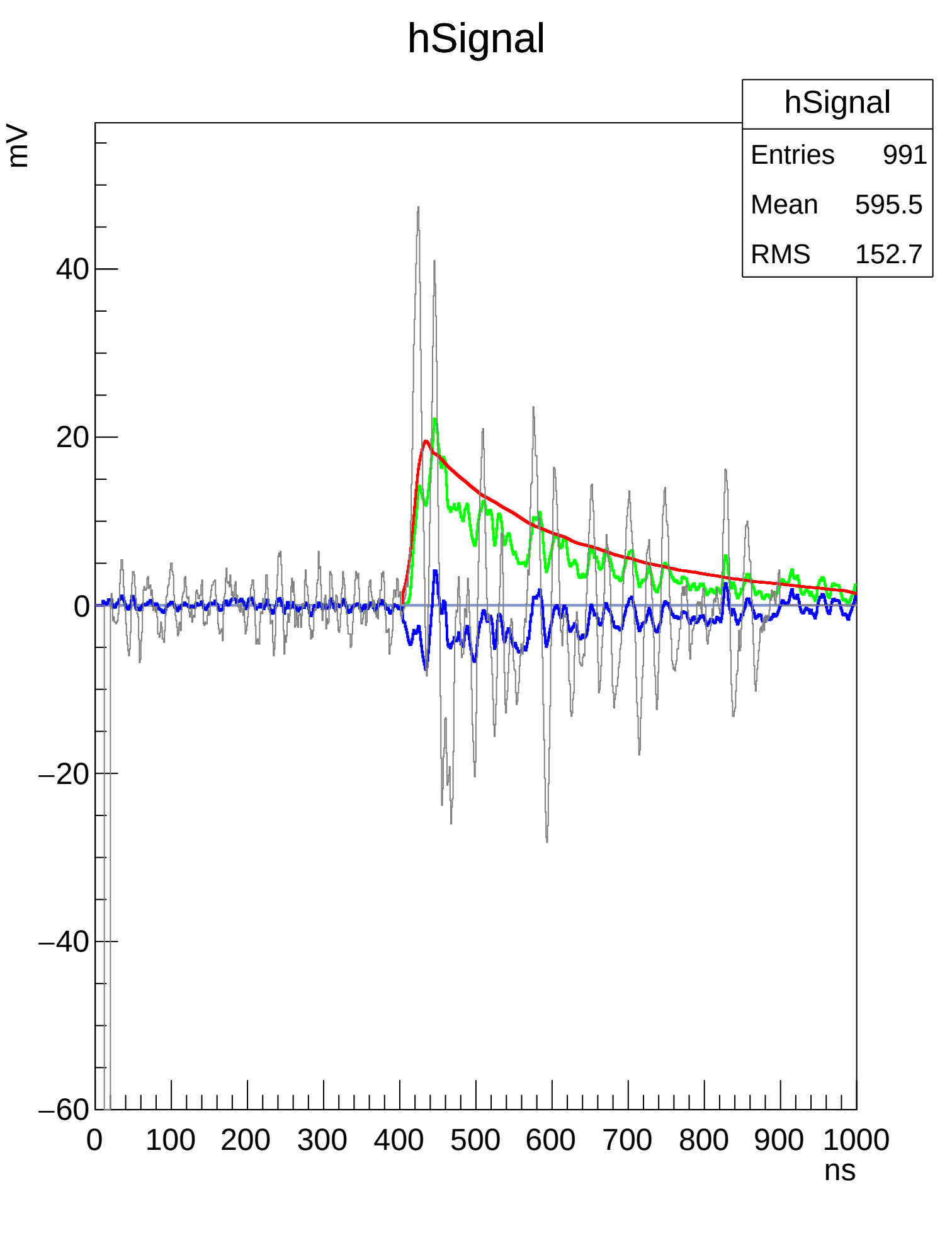
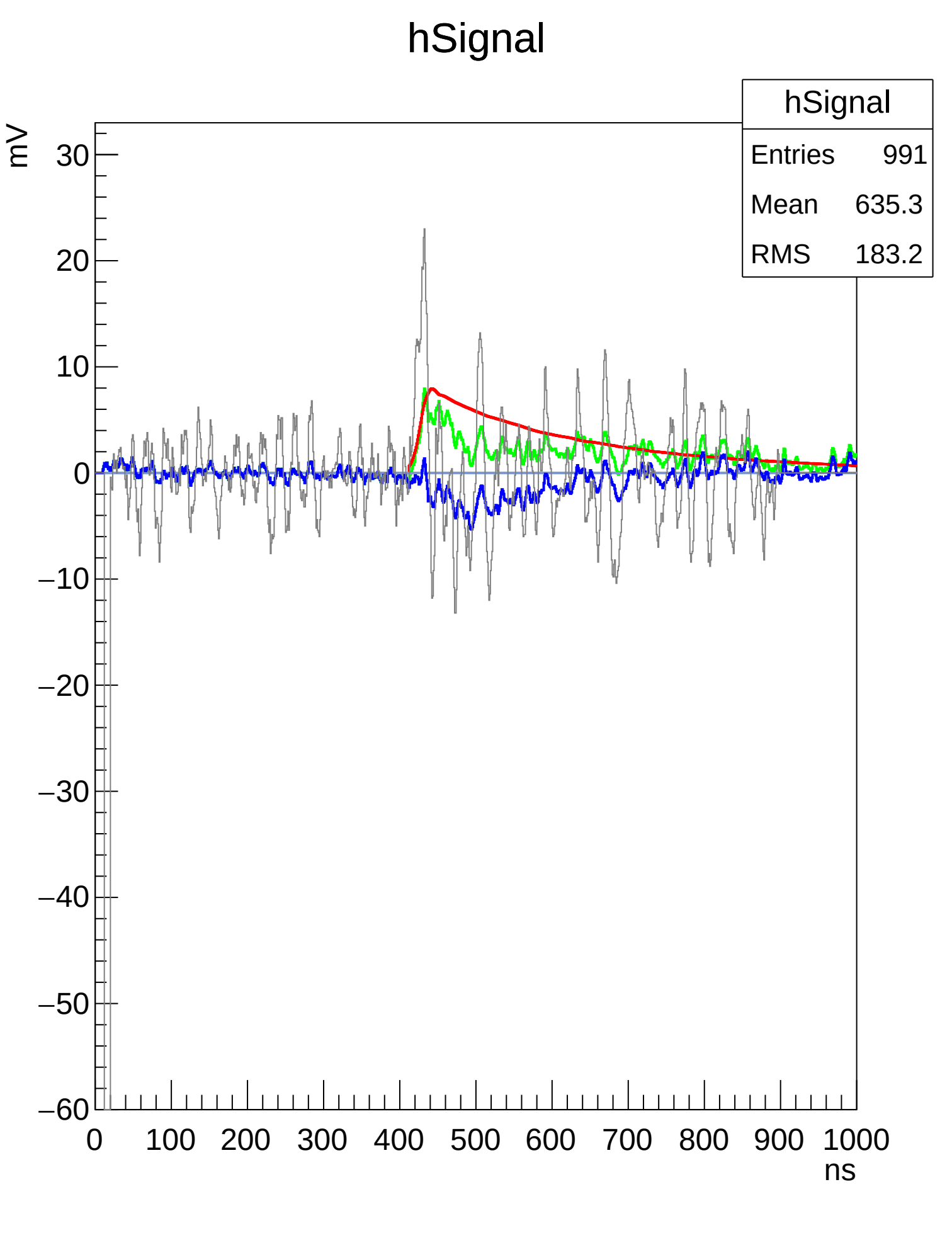
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

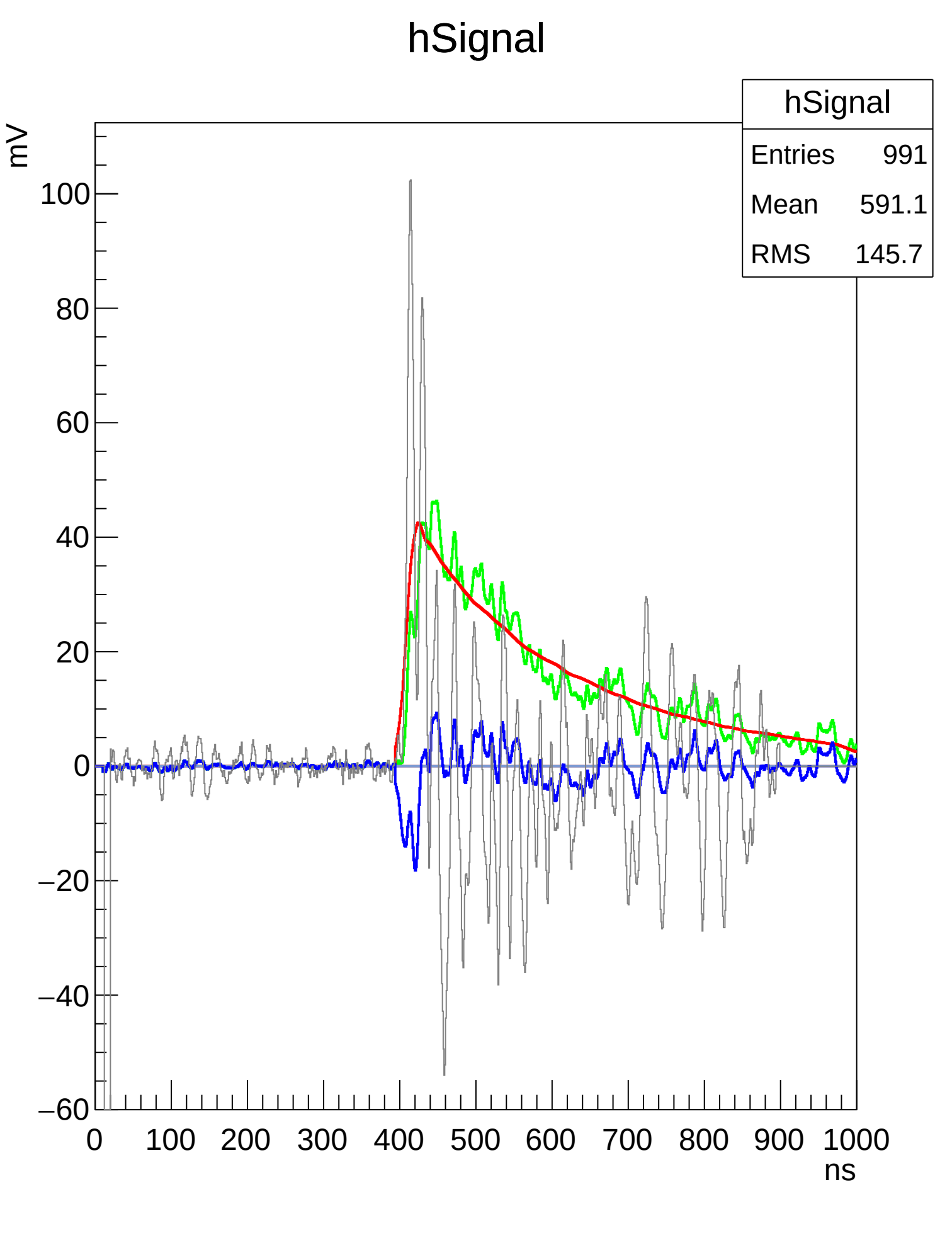

hSignal
hSignal
Entries 991
Mean 524.1
RMS 146.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

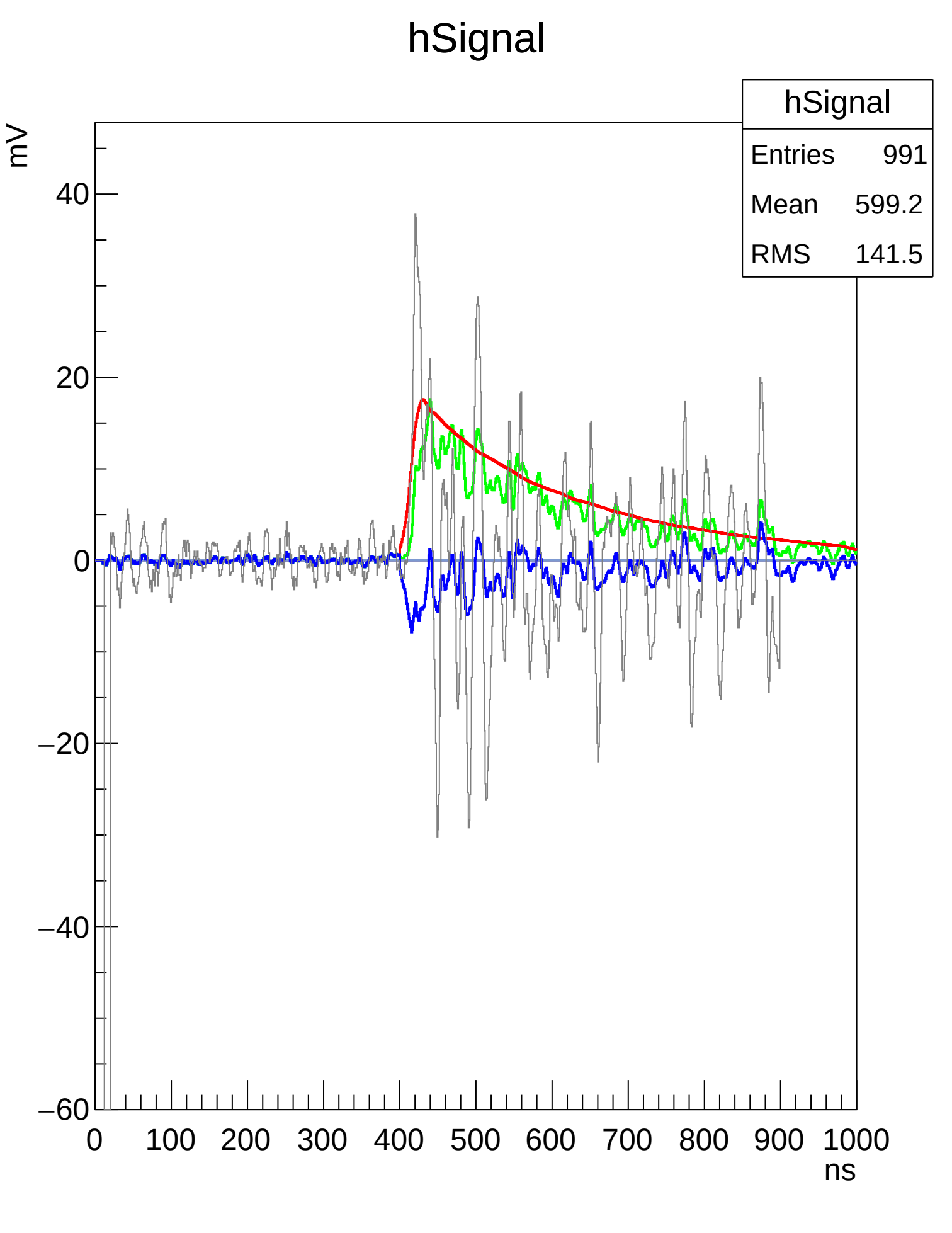

hSignal
hSignal
Entries 991
Mean 614.2
RMS 119
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.8
RMS 122.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.5
RMS 152.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 635.3
RMS 183.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.1
RMS 145.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.2
RMS 141.5
mV
40
20
0
−20
−40
−60
0
100
200
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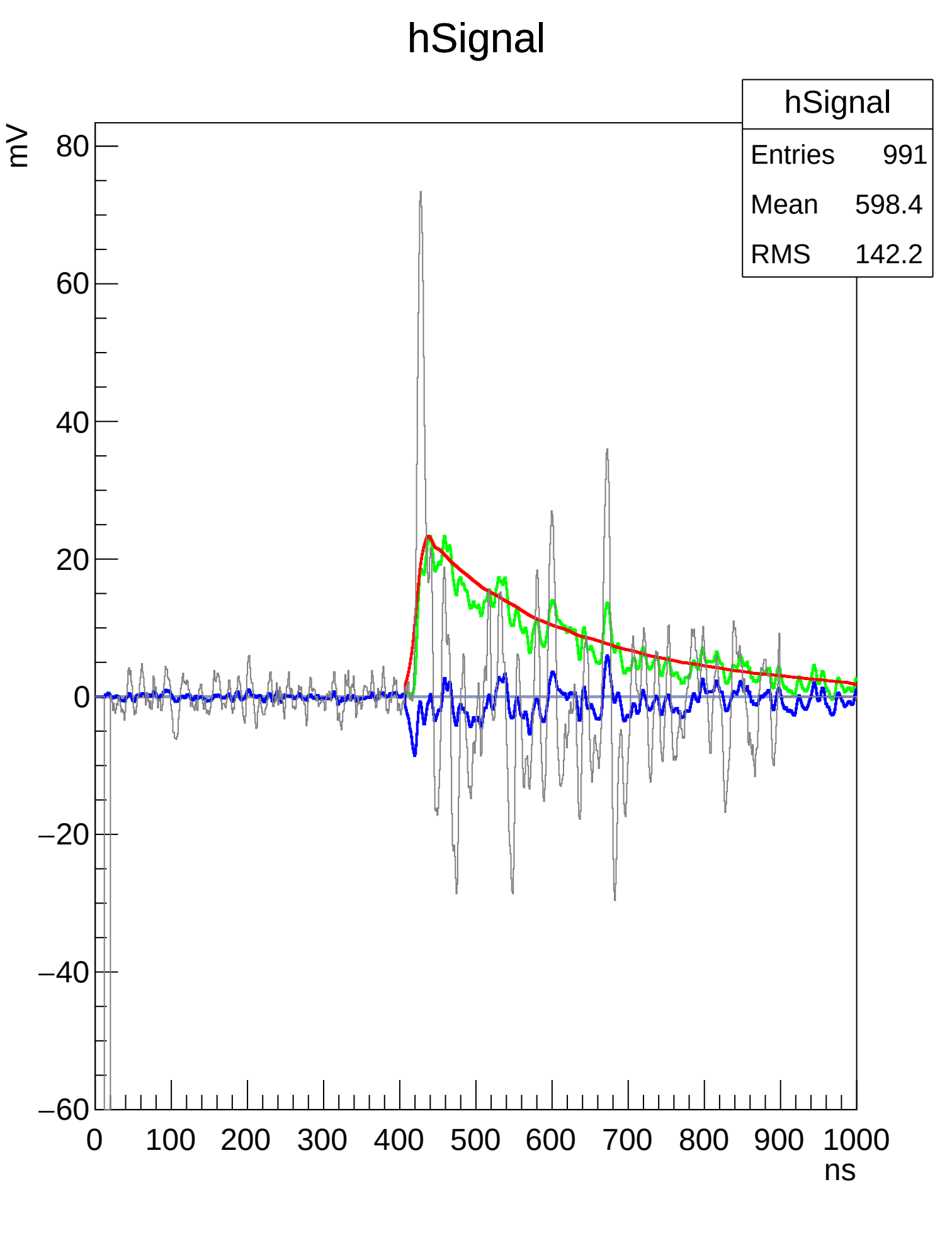
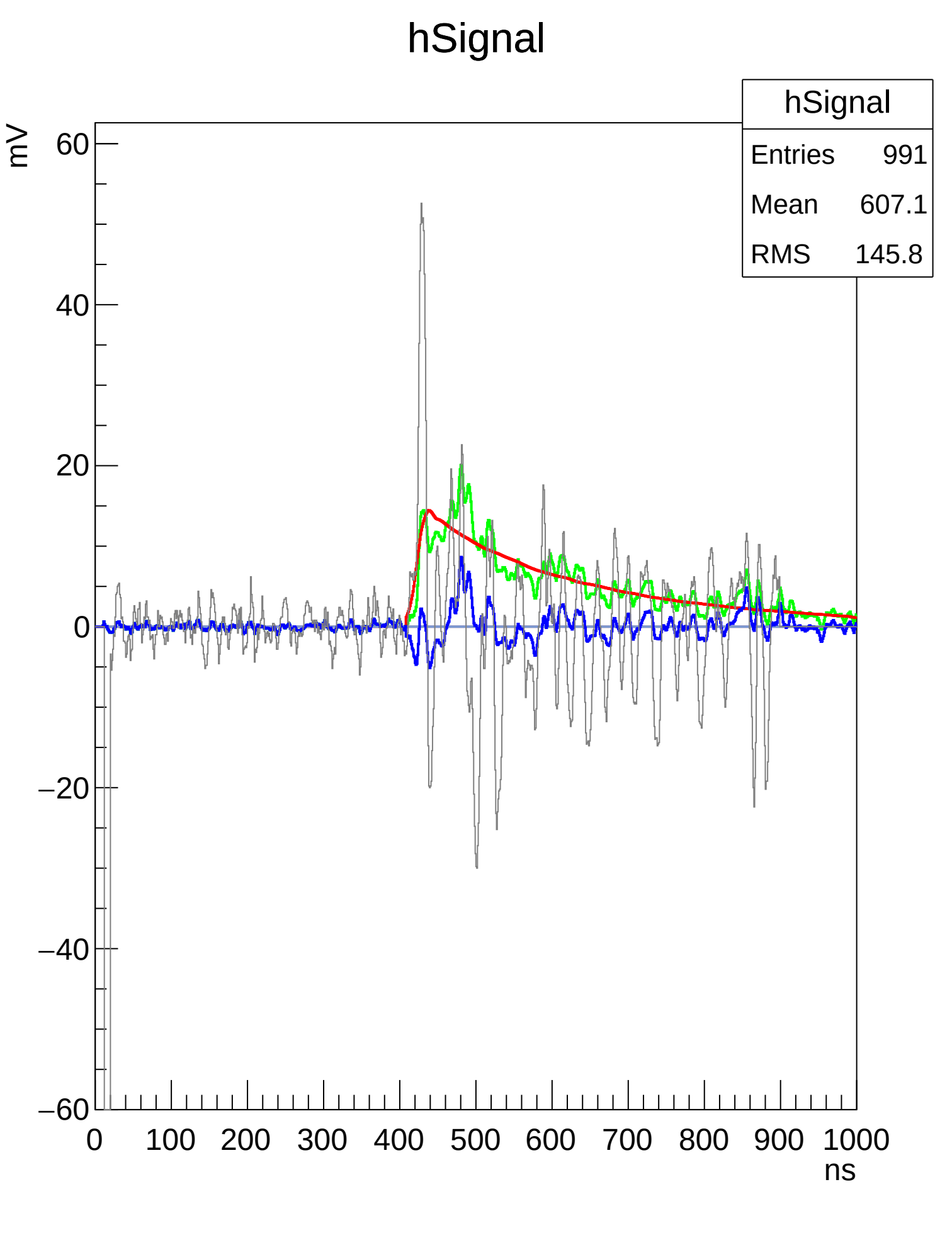
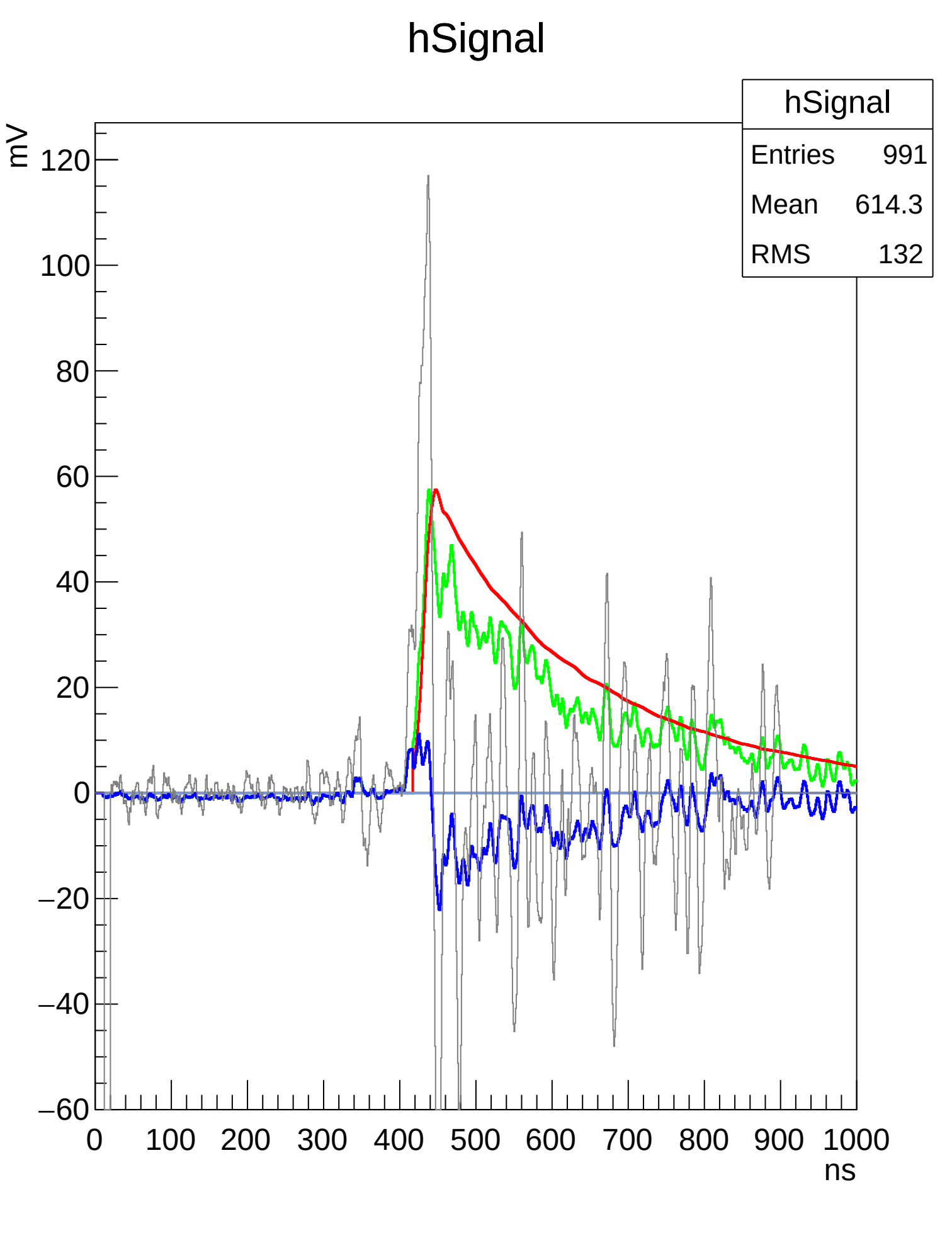
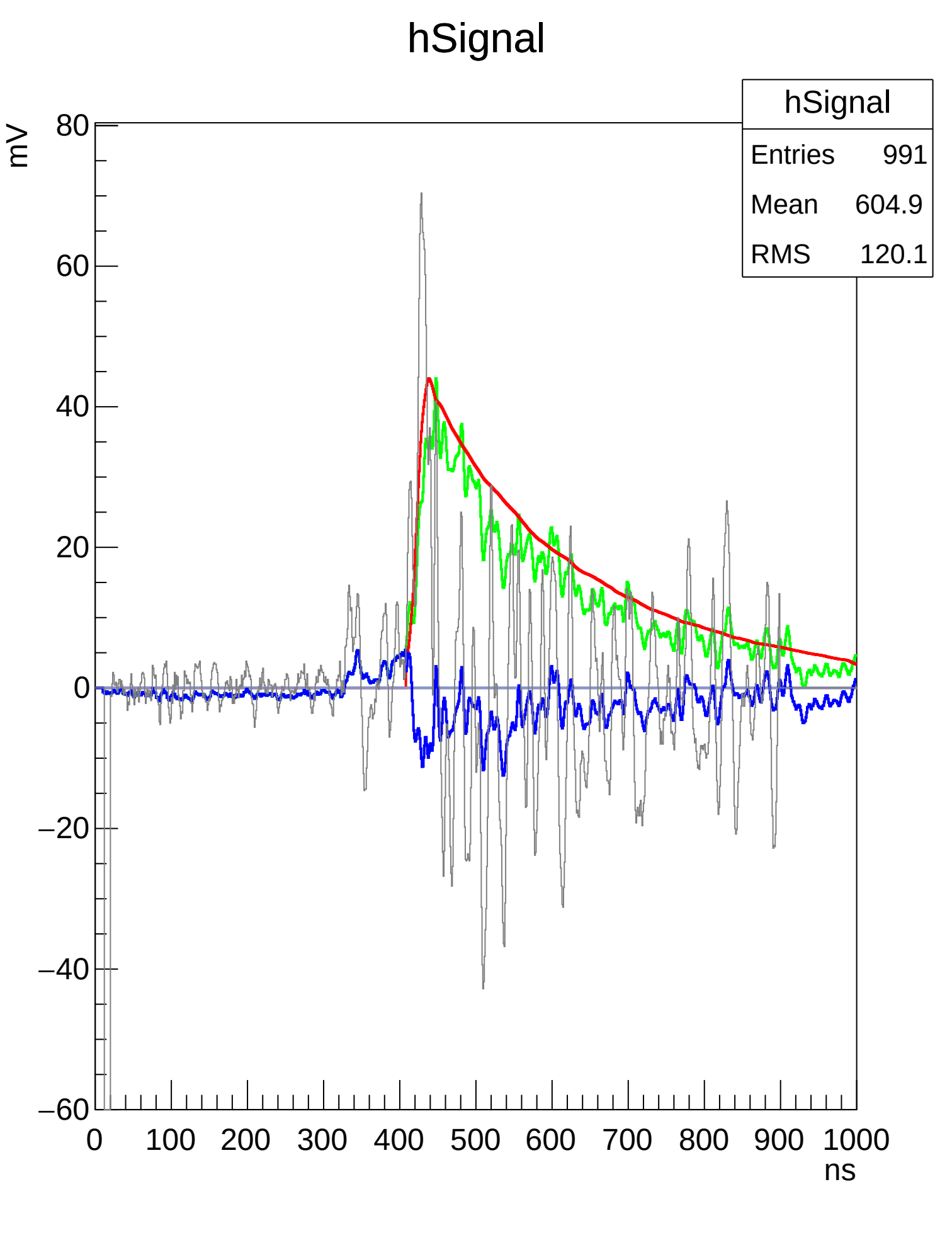
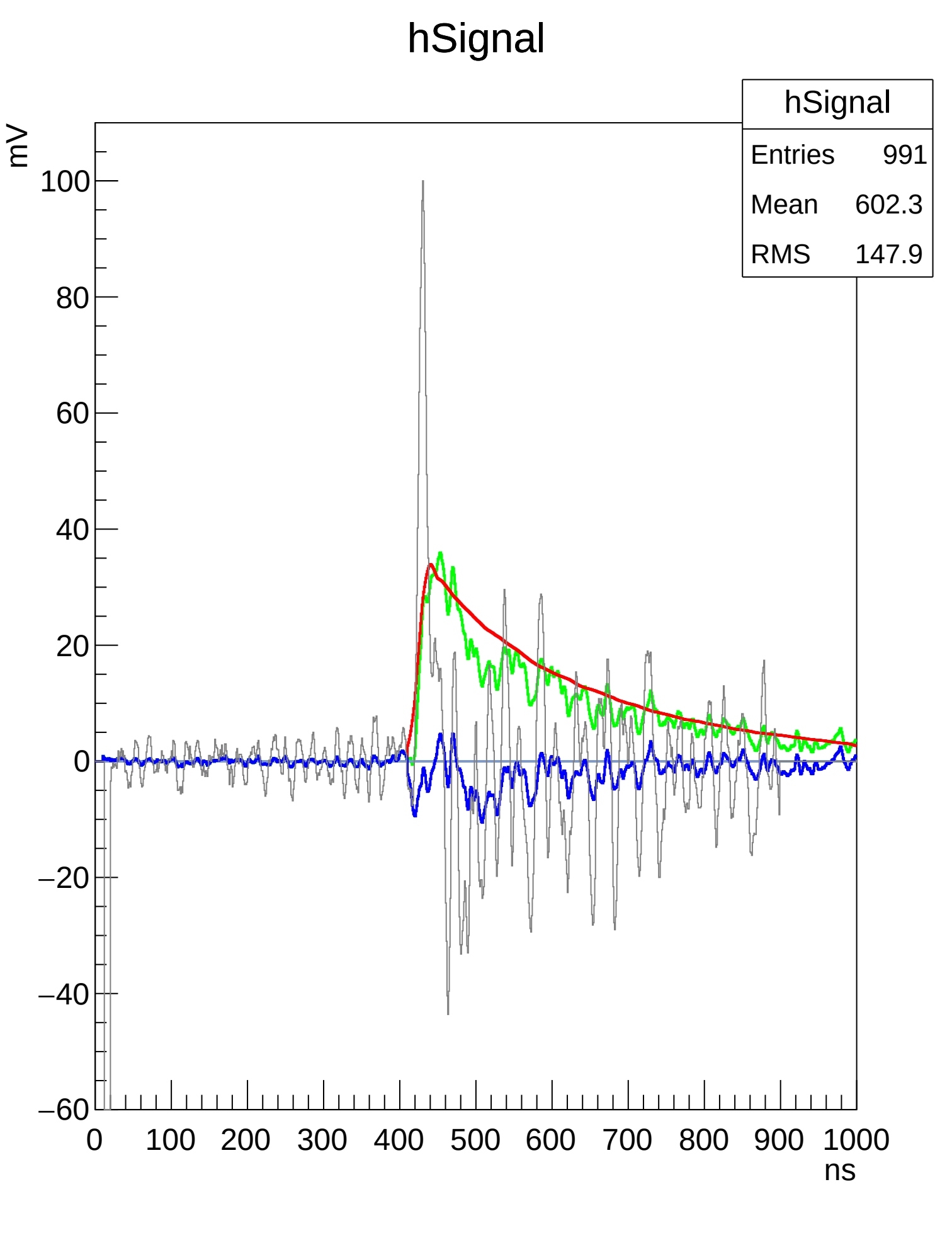
400
500
600
700
800
900
1000
ns

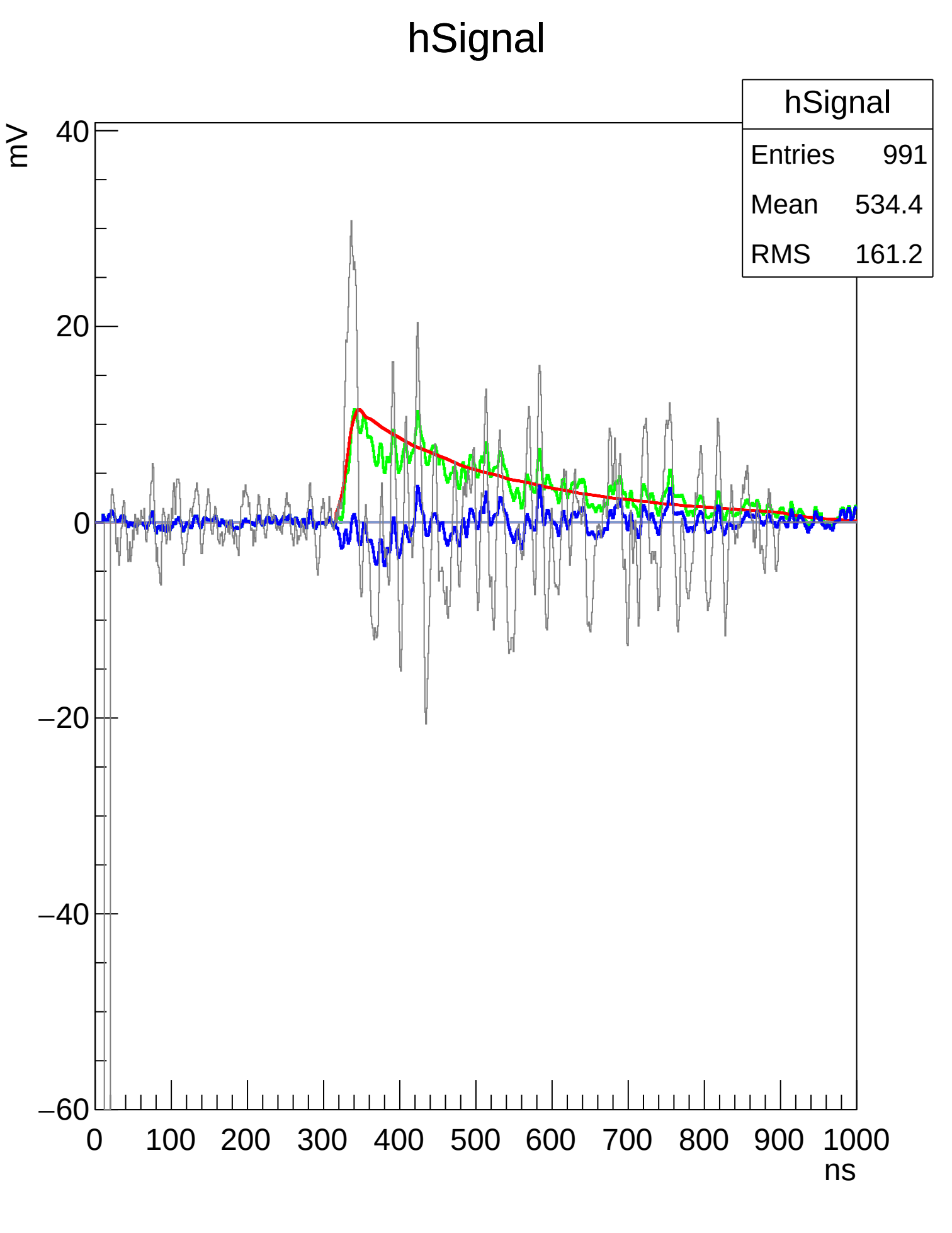

hSignal
hSignal
Entries 991
Mean 598.4
RMS 142.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

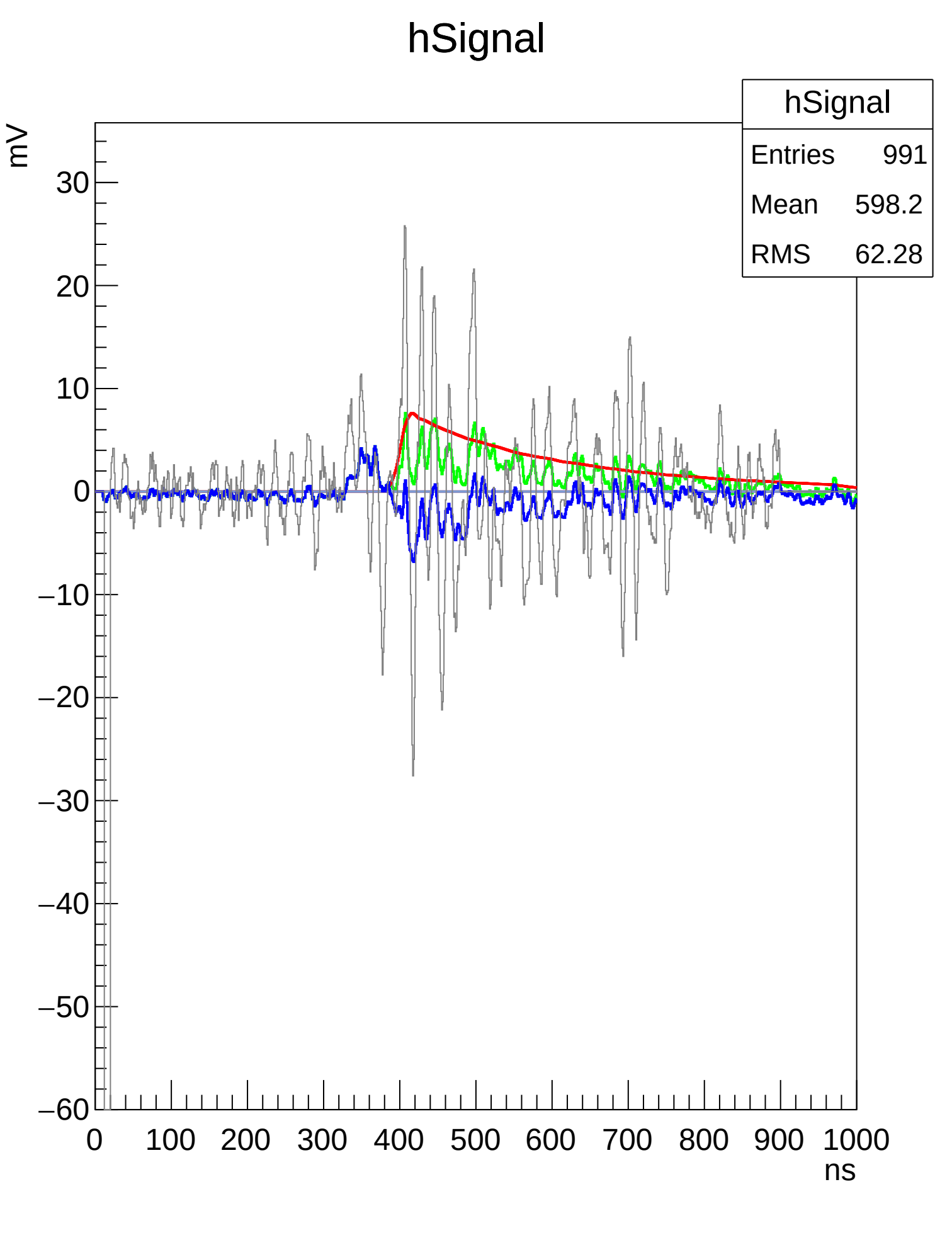

hSignal
hSignal
Entries 991
Mean 607.1
RMS 145.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

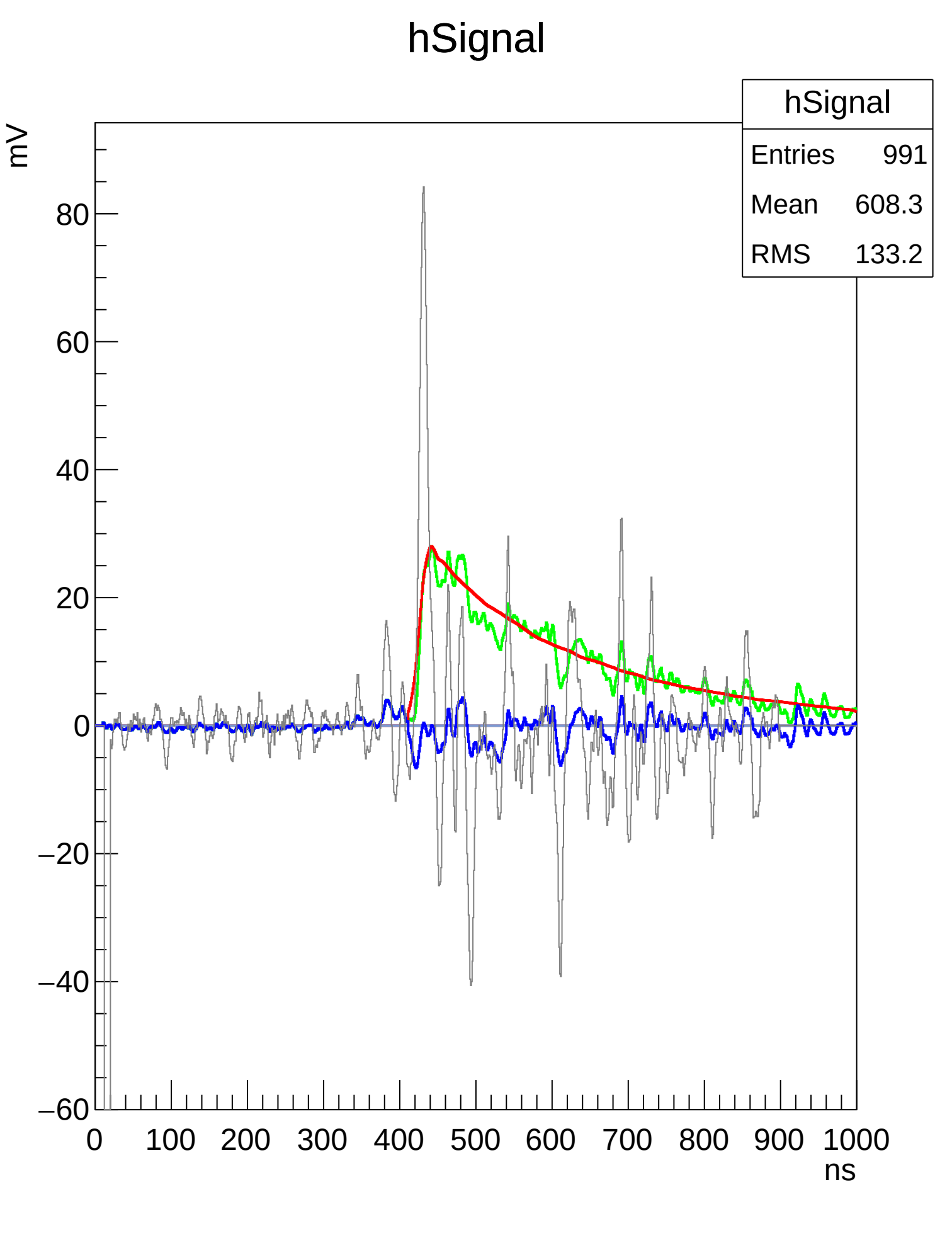

hSignal
hSignal
Entries 991
Mean 614.3
RMS 132
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

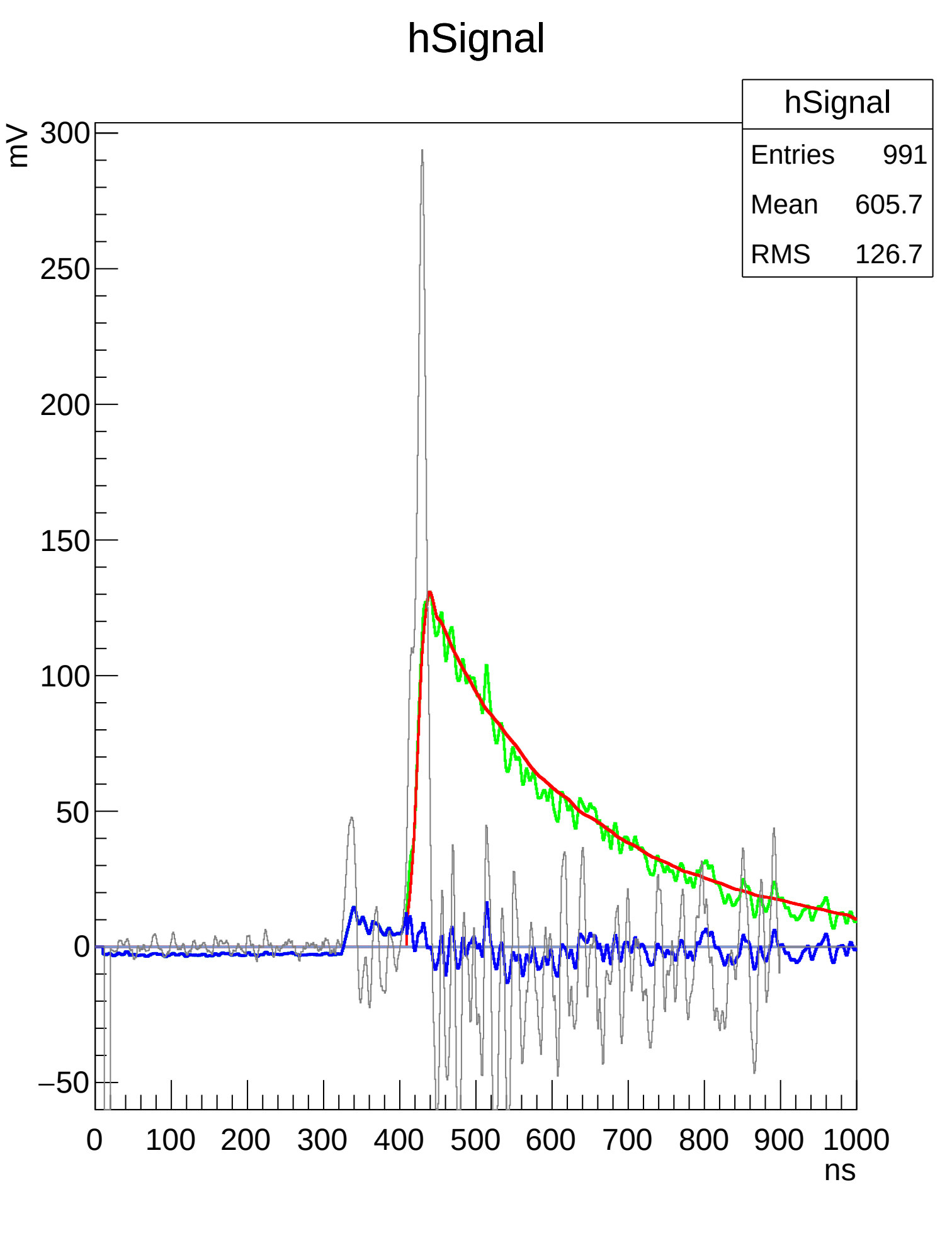

hSignal
hSignal
Entries 991
Mean 604.9
RMS 120.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

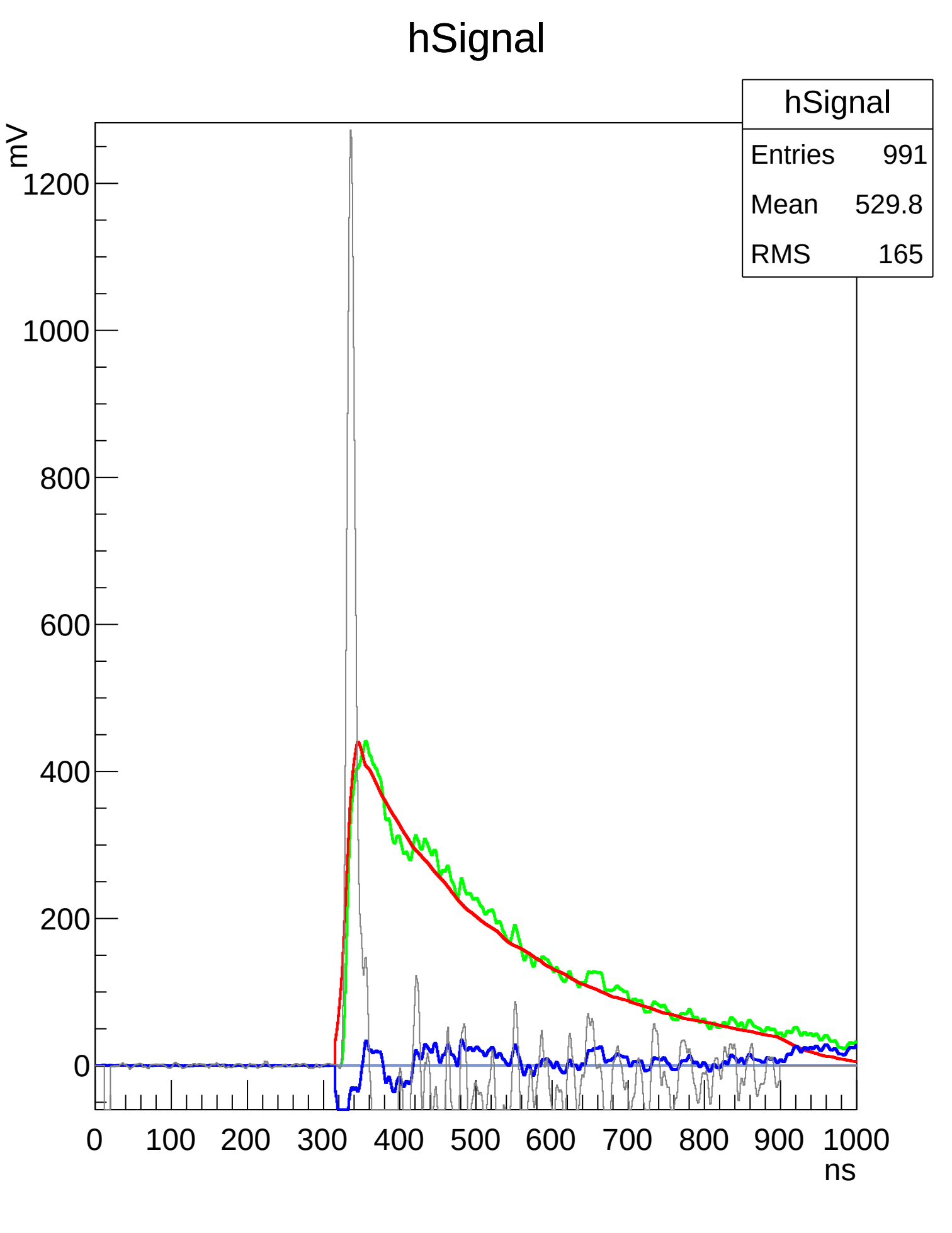

hSignal
hSignal
Entries 991
Mean 602.3
RMS 147.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

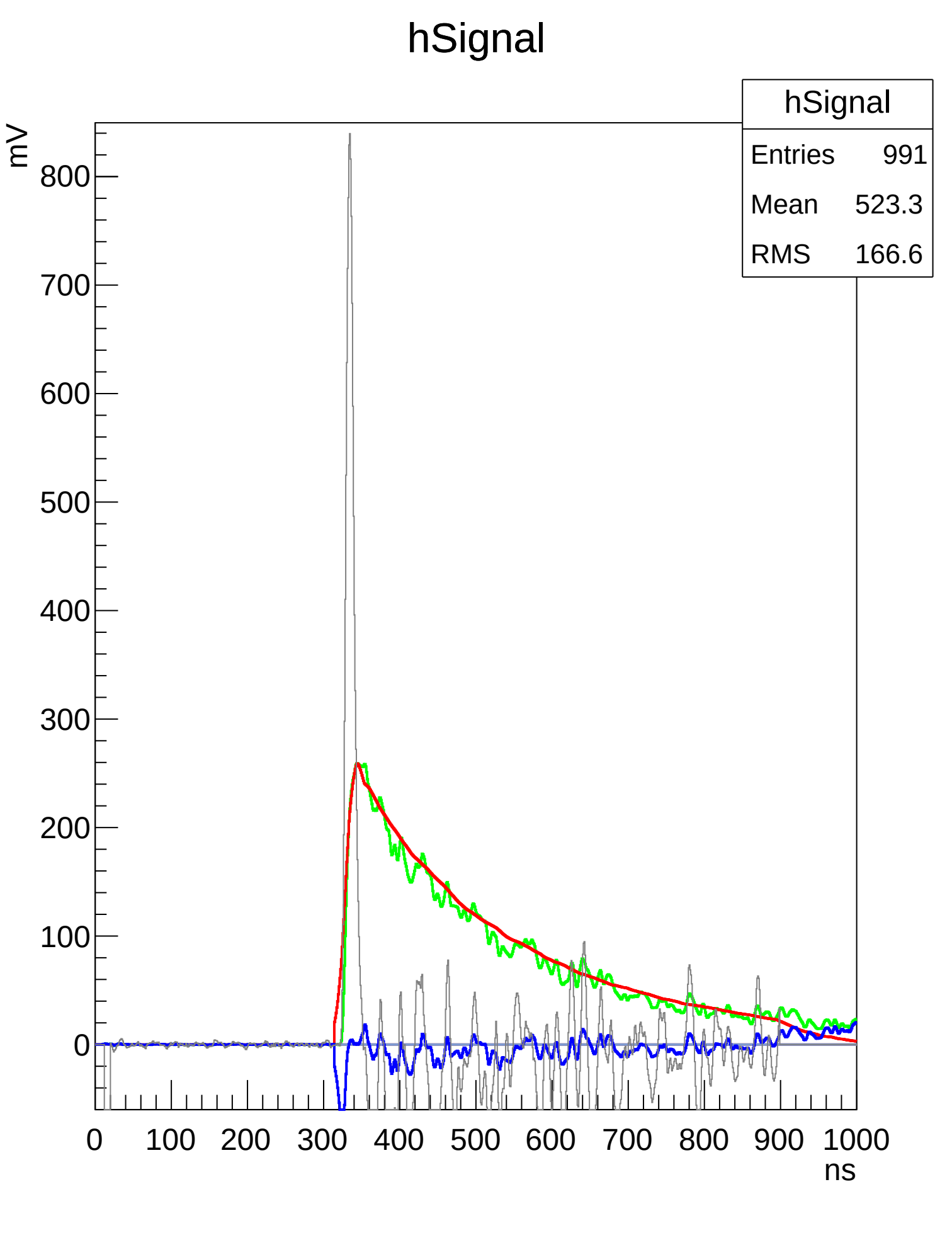

hSignal
hSignal
Entries 991
Mean 534.4
RMS 161.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

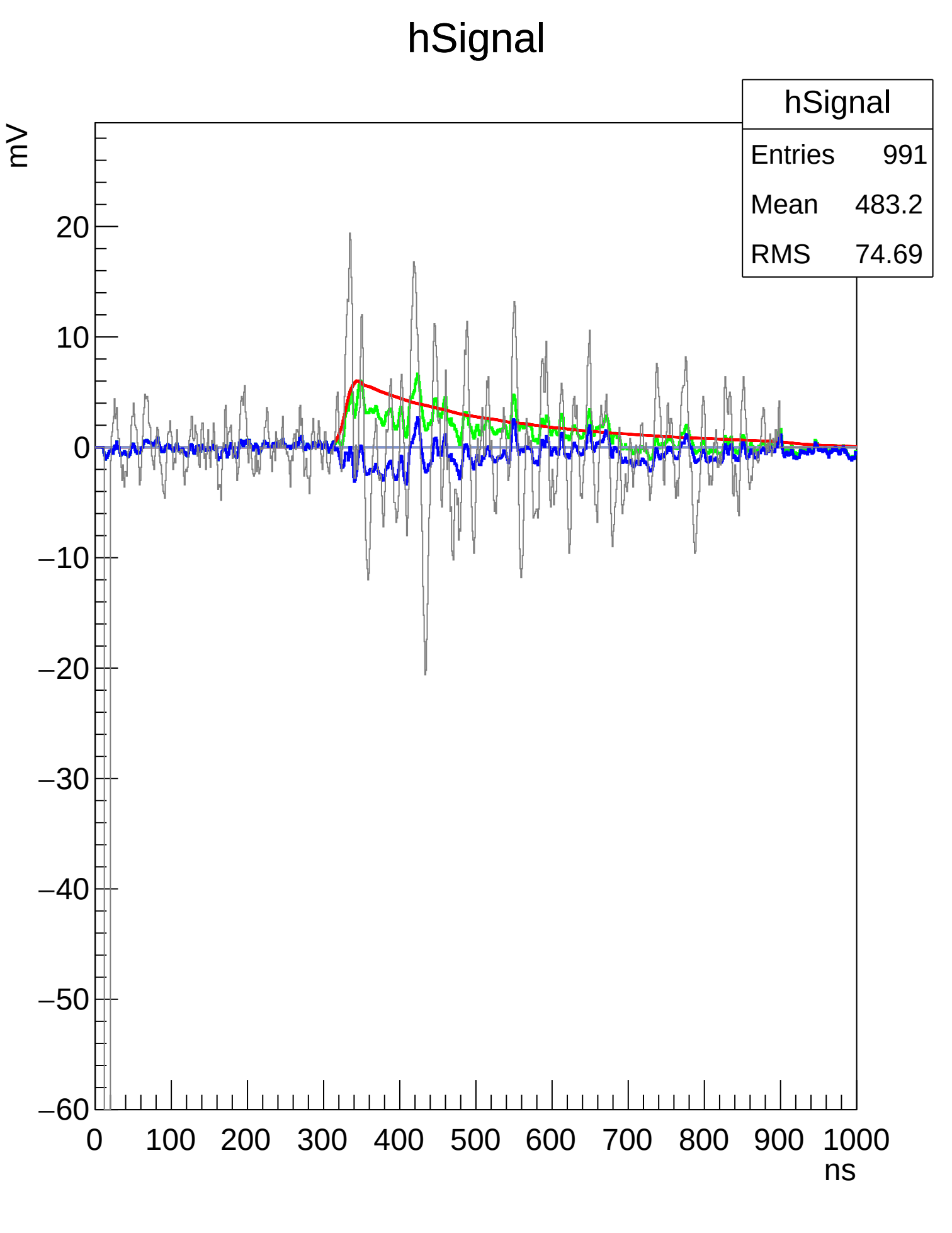

hSignal
hSignal
Entries 991
Mean 598.2
RMS 62.28
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

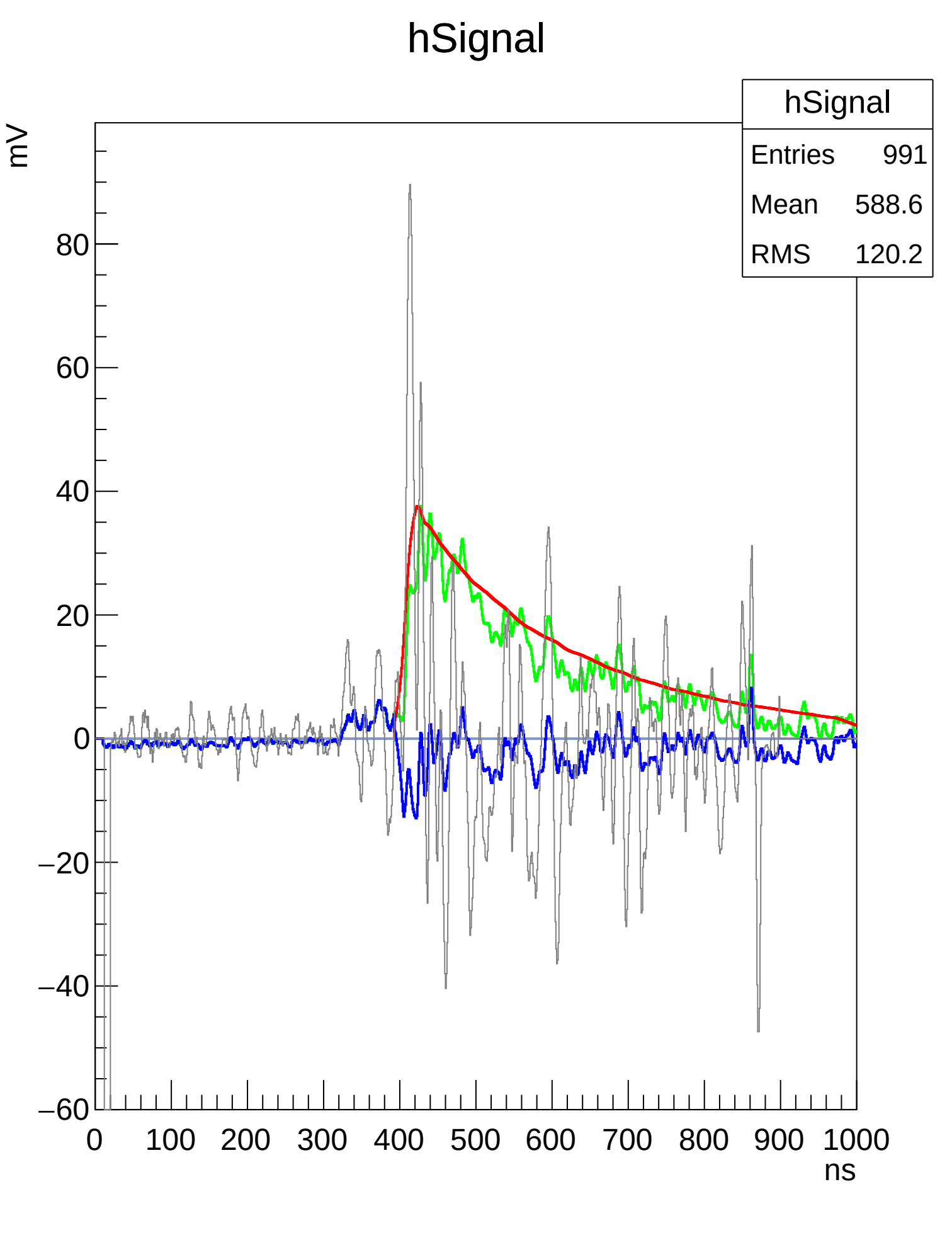

hSignal
hSignal
Entries 991
Mean 608.3
RMS 133.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

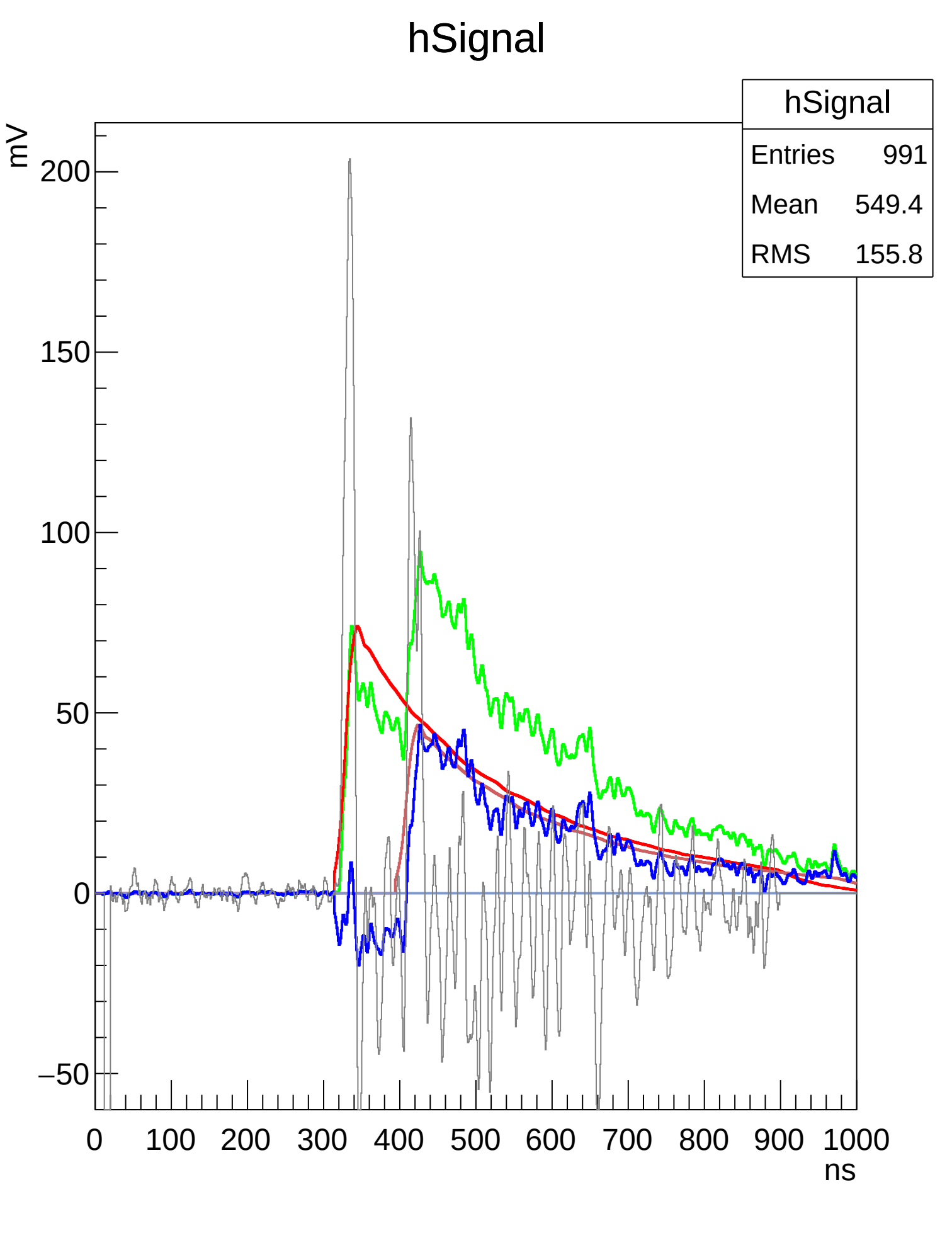

hSignal
hSignal
Entries 991
Mean 605.7
RMS 126.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.8
RMS 165
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.3
RMS 166.6
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 483.2
RMS 74.69
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.6
RMS 120.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.4
RMS 155.8
mV
200
150
100
50
0
−50
0
100
200
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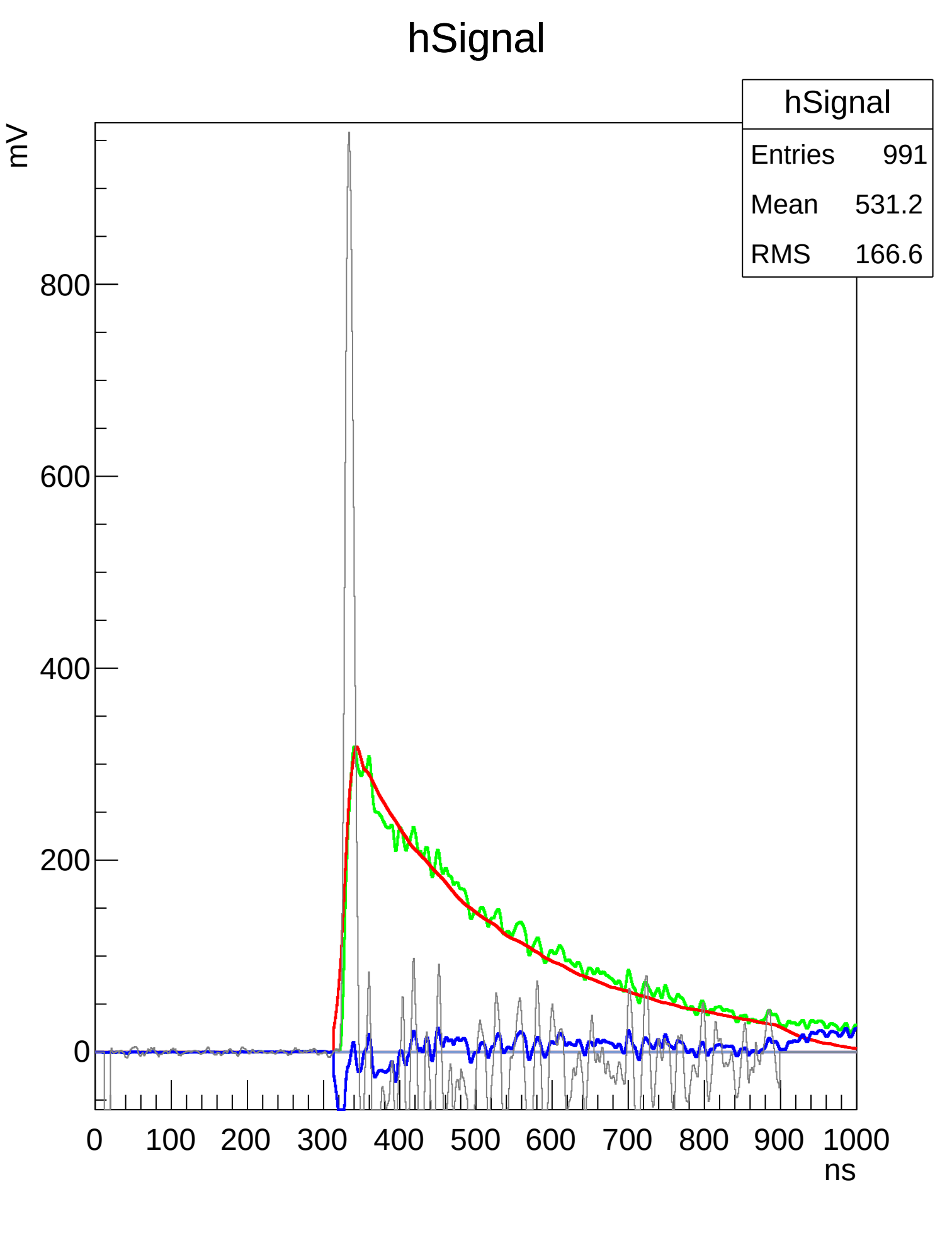
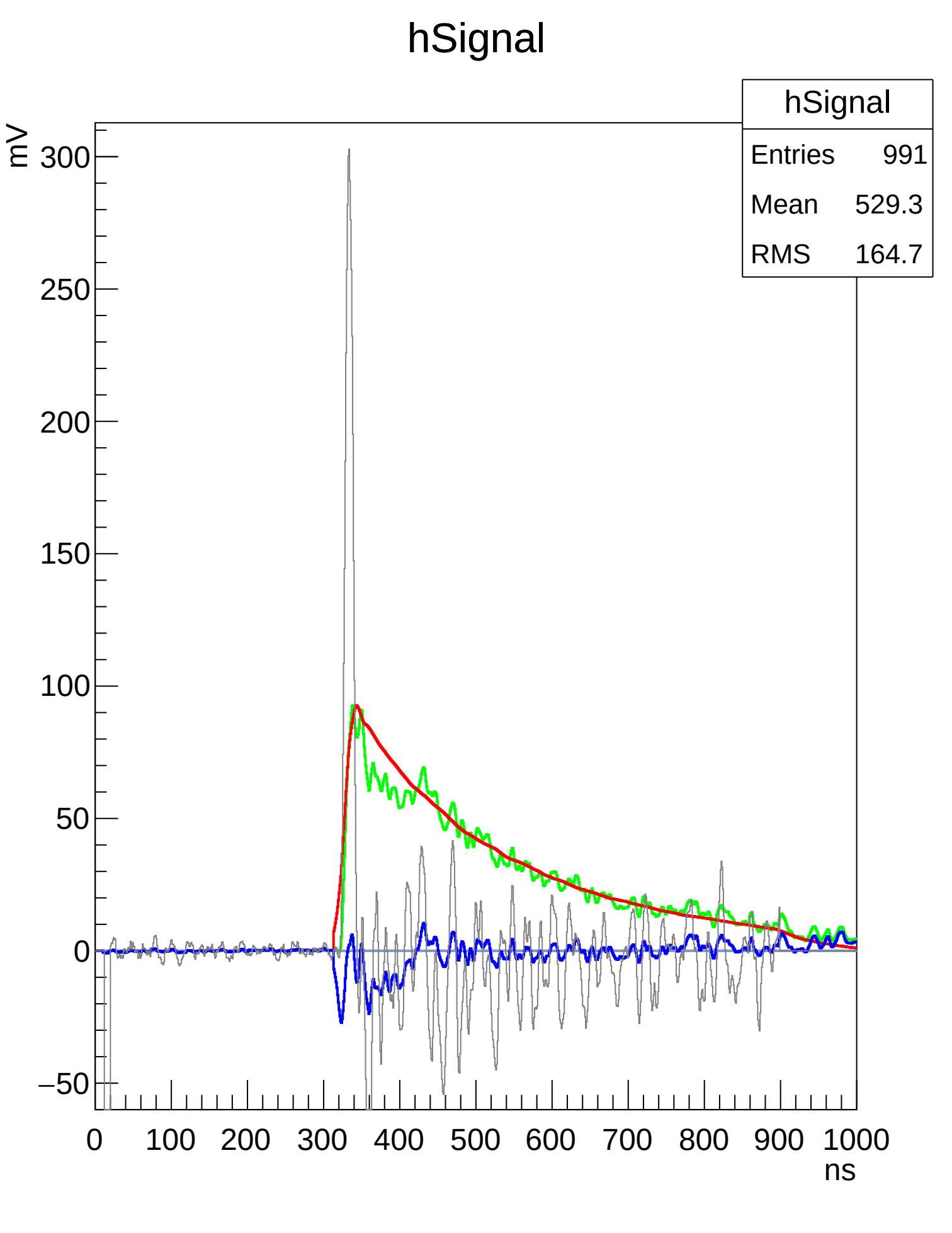
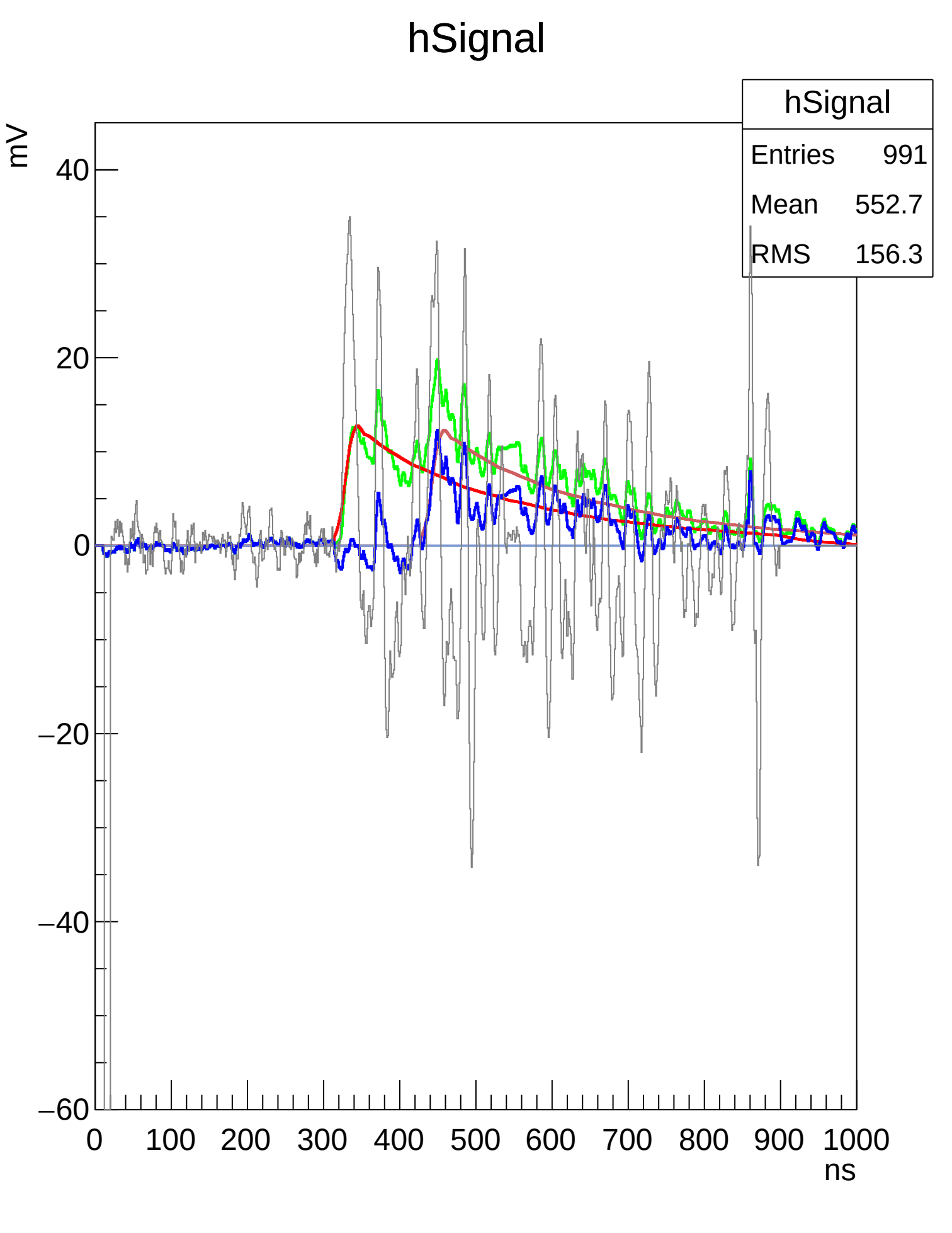
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.2
RMS 166.6
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 529.3
RMS 164.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.7
RMS 156.3
mV
40
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0
−20
−40
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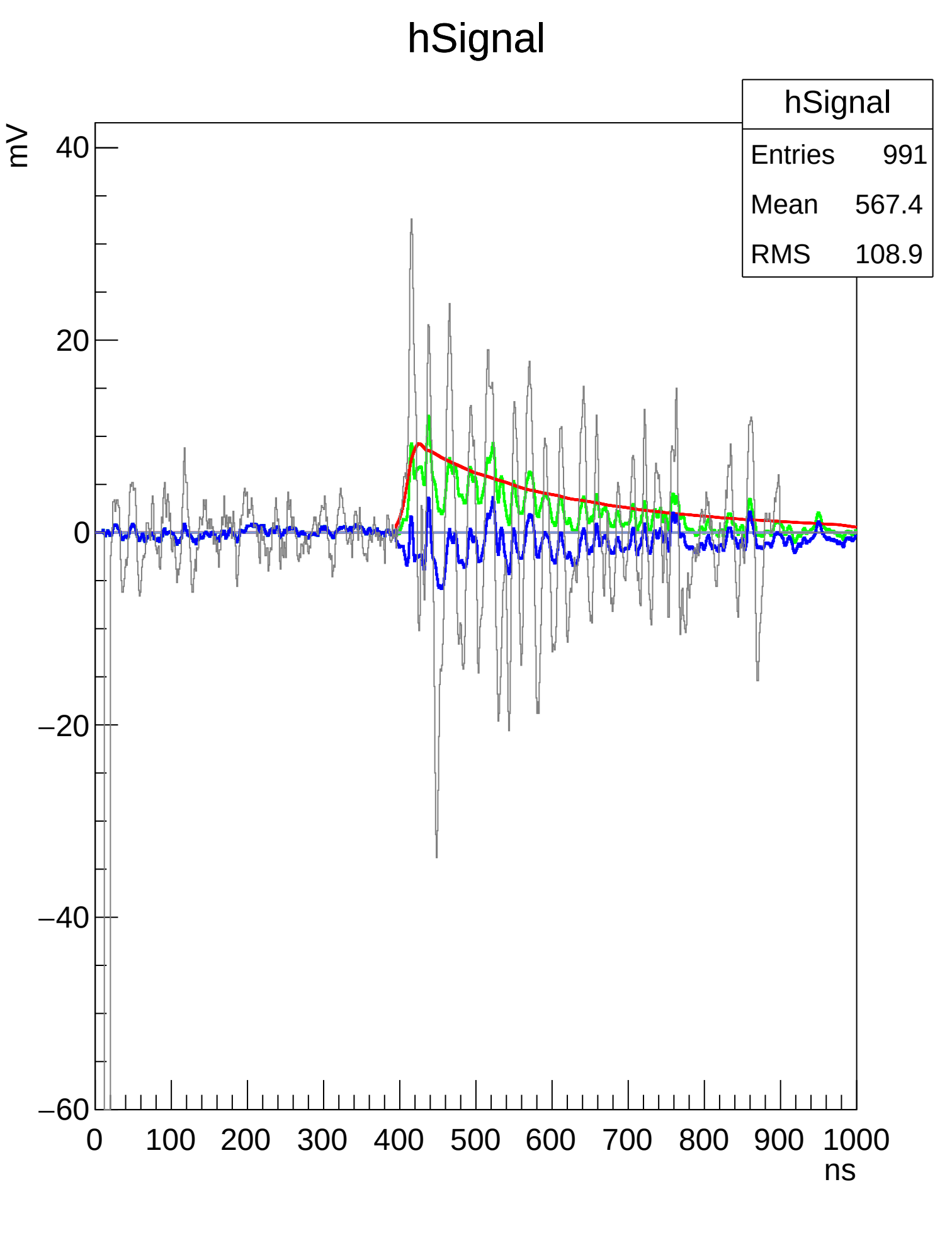
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.4
RMS 108.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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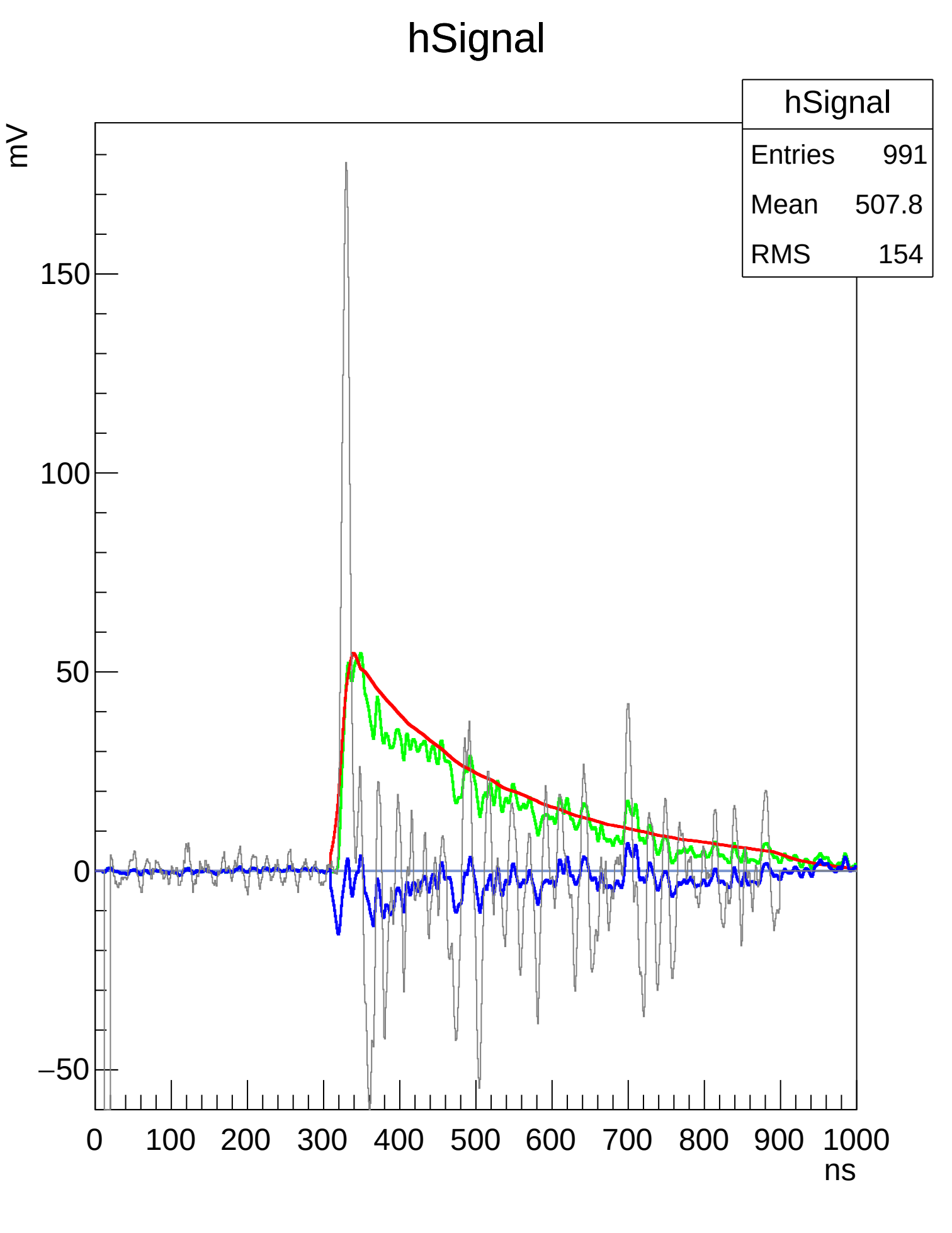
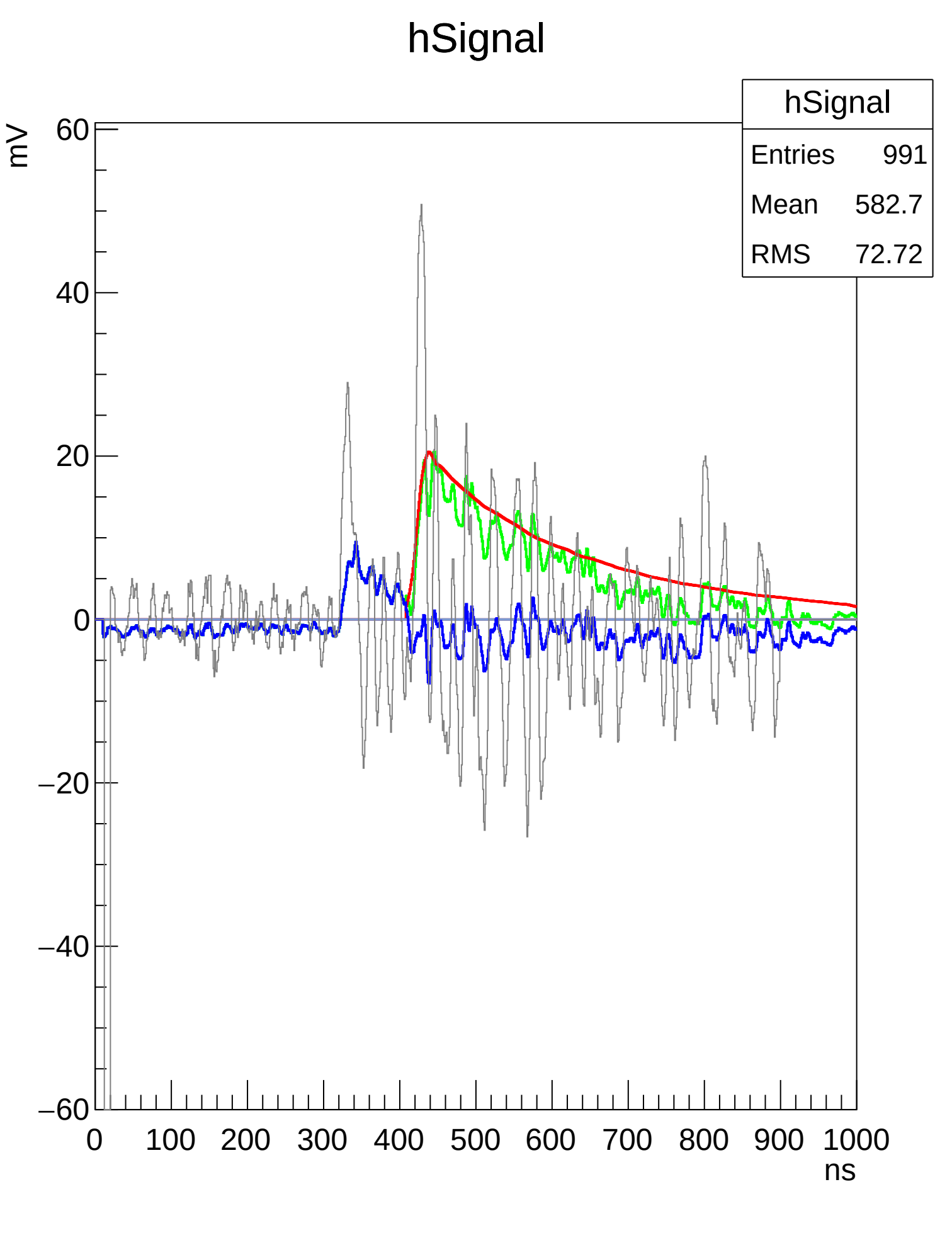
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.8
RMS 154
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.7
RMS 72.72
mV
60
40
20
0
−20
−40
−60
0
100
200
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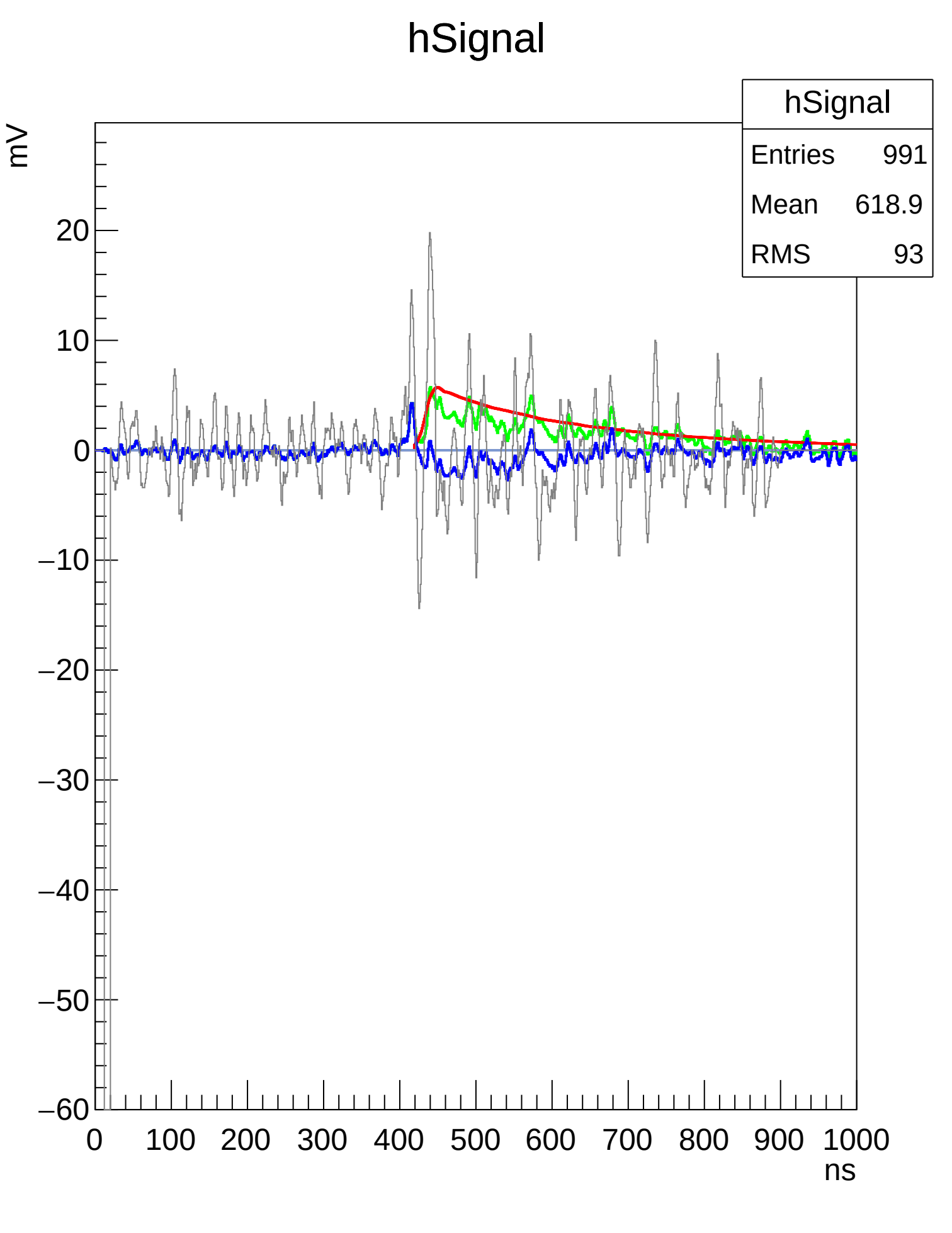
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.9
RMS 93
mV
20
10
0
−10
−20
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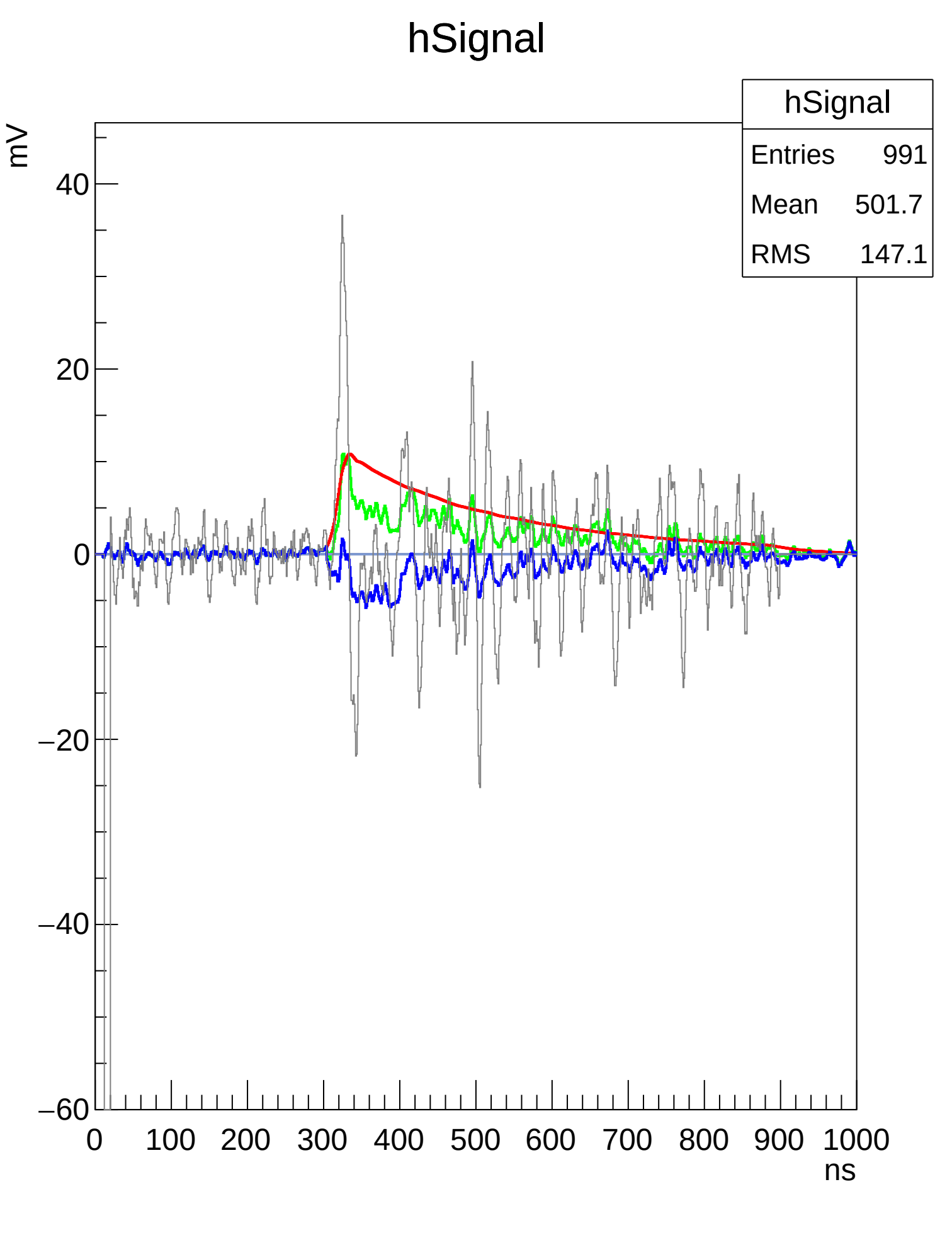
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.7
RMS 147.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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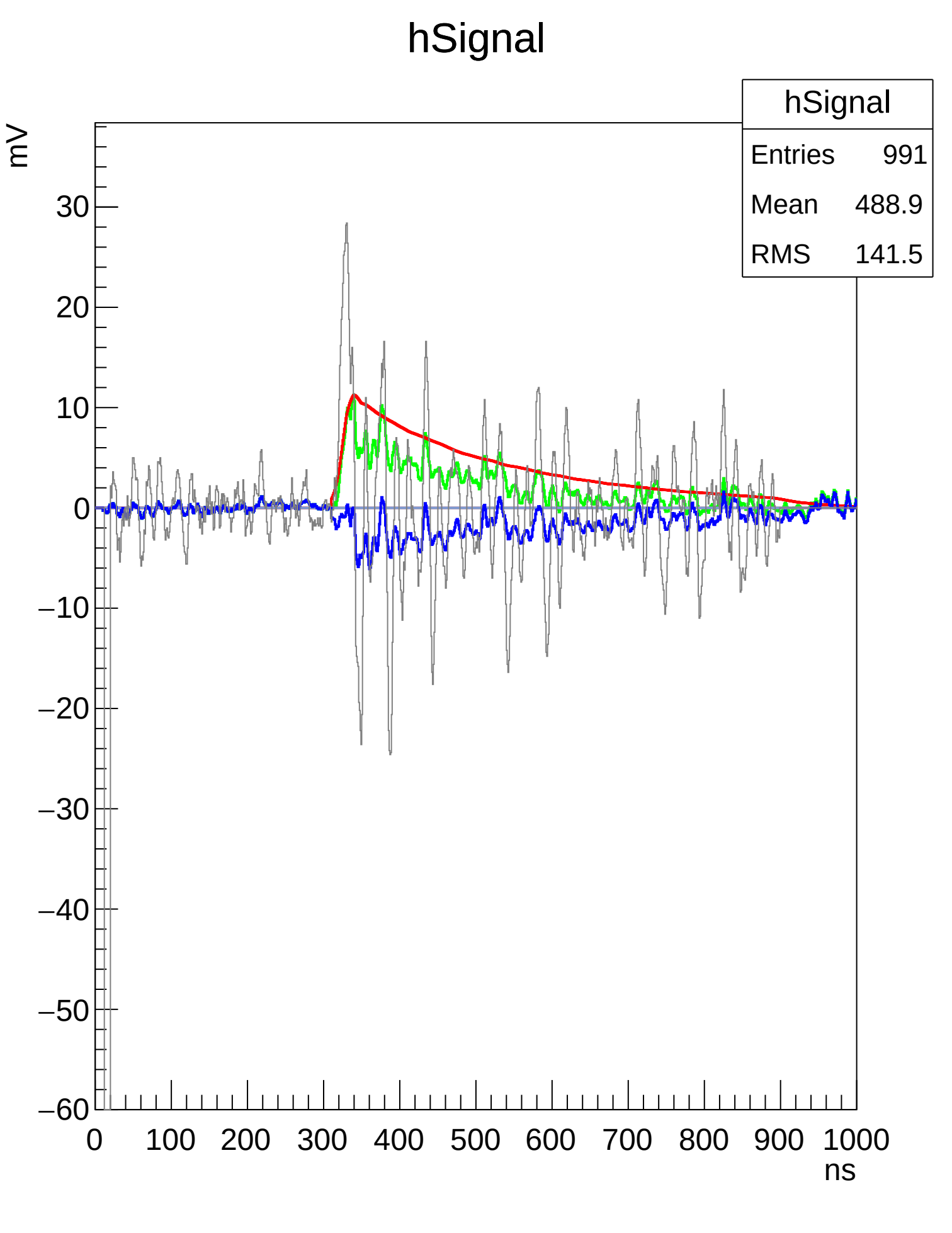
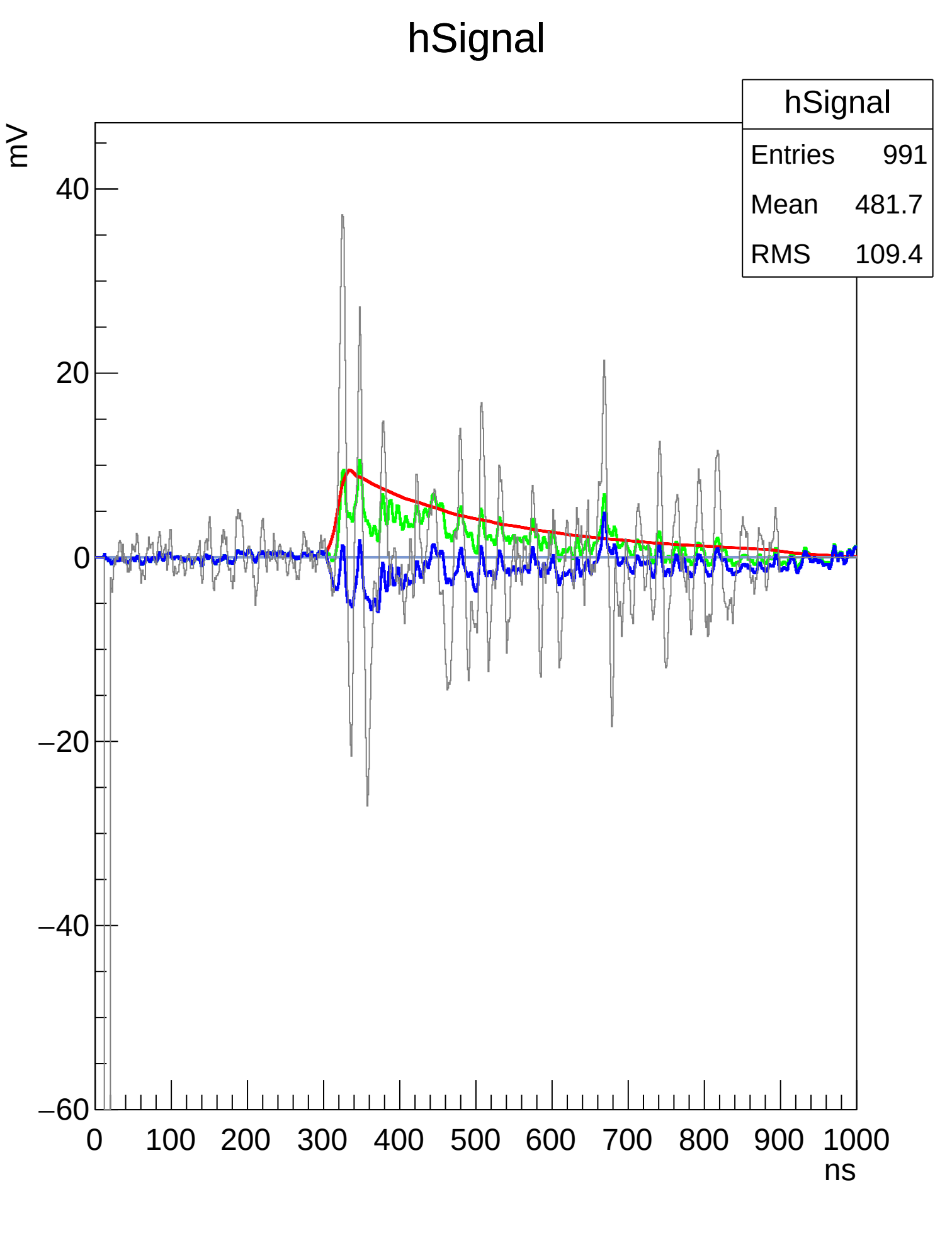
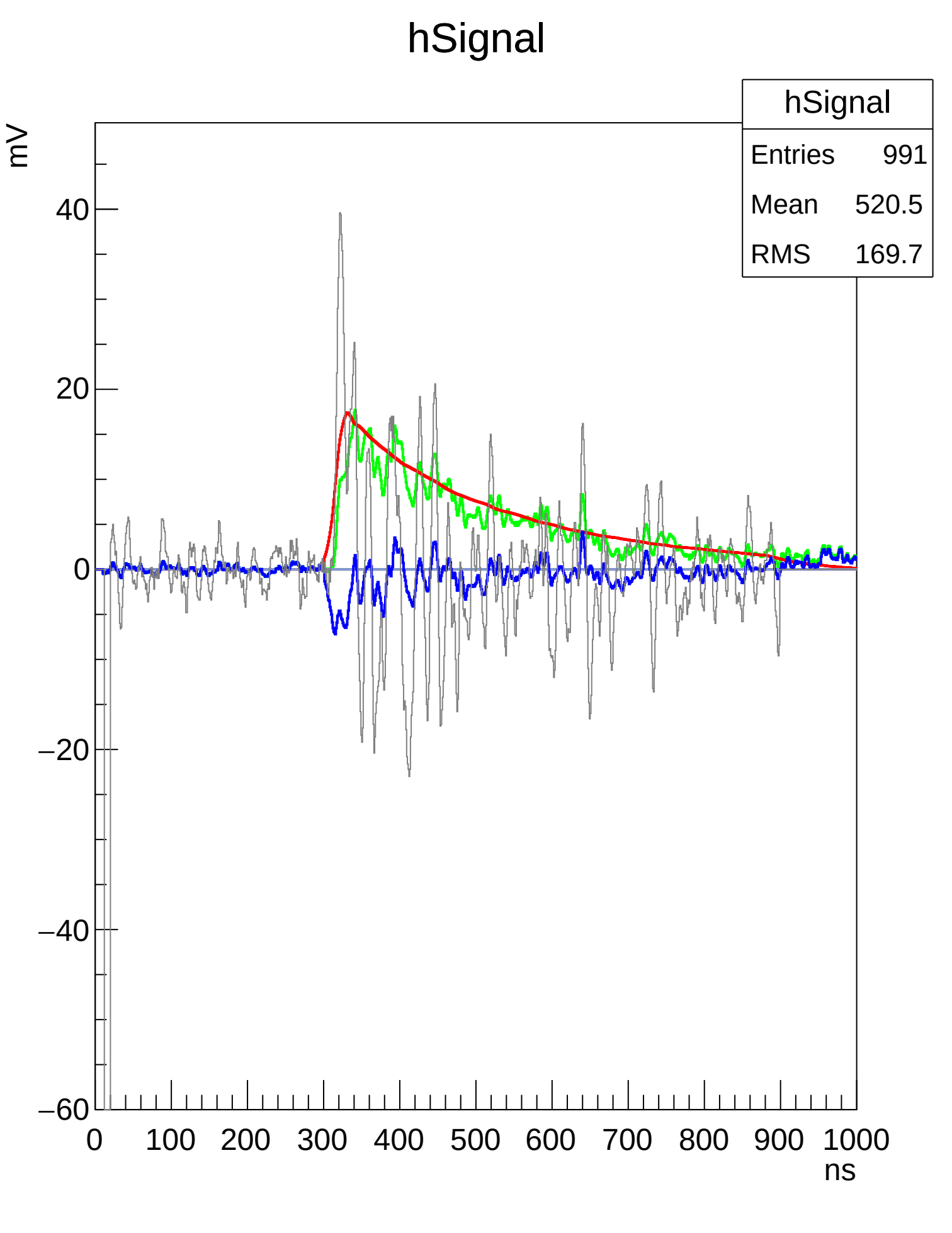
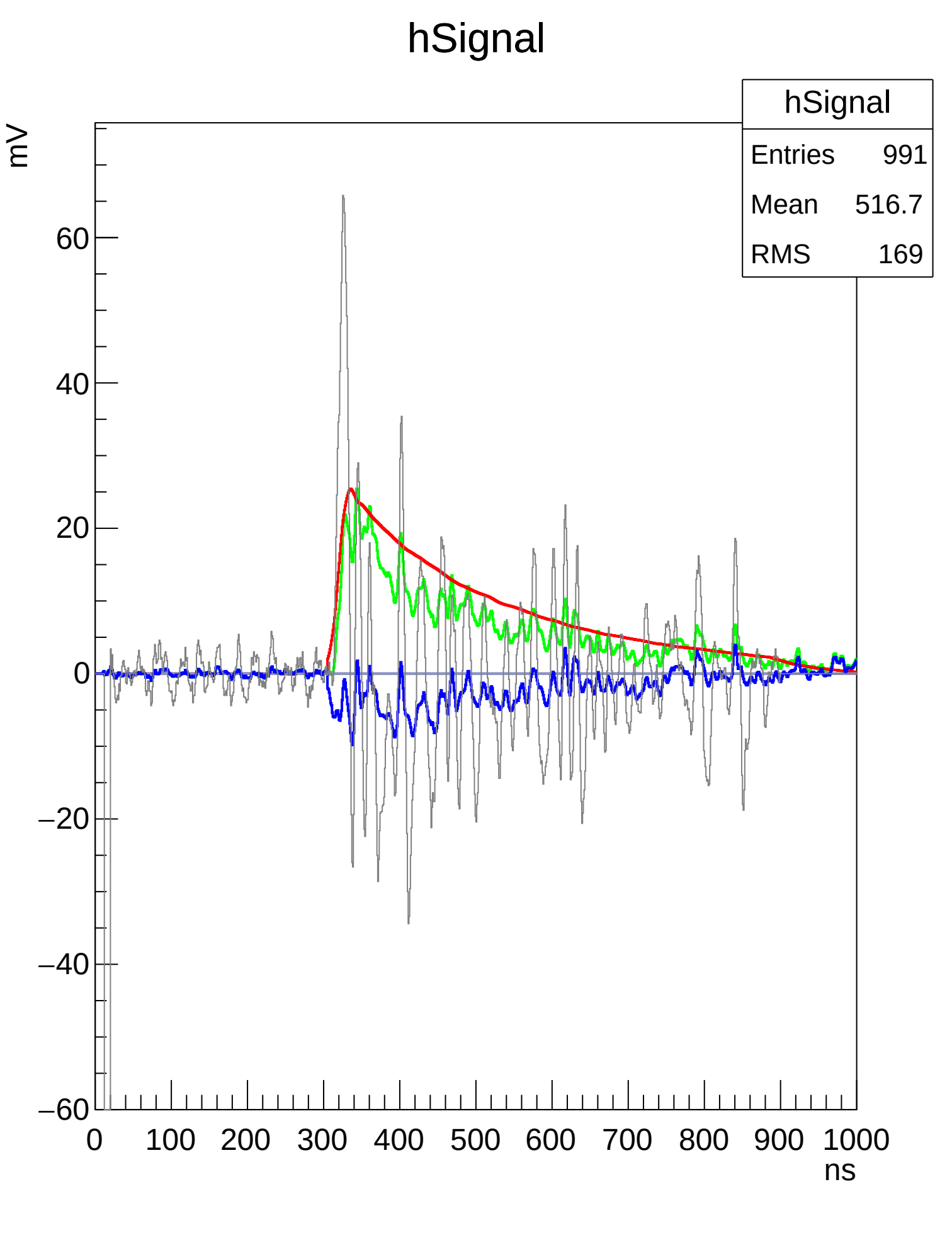
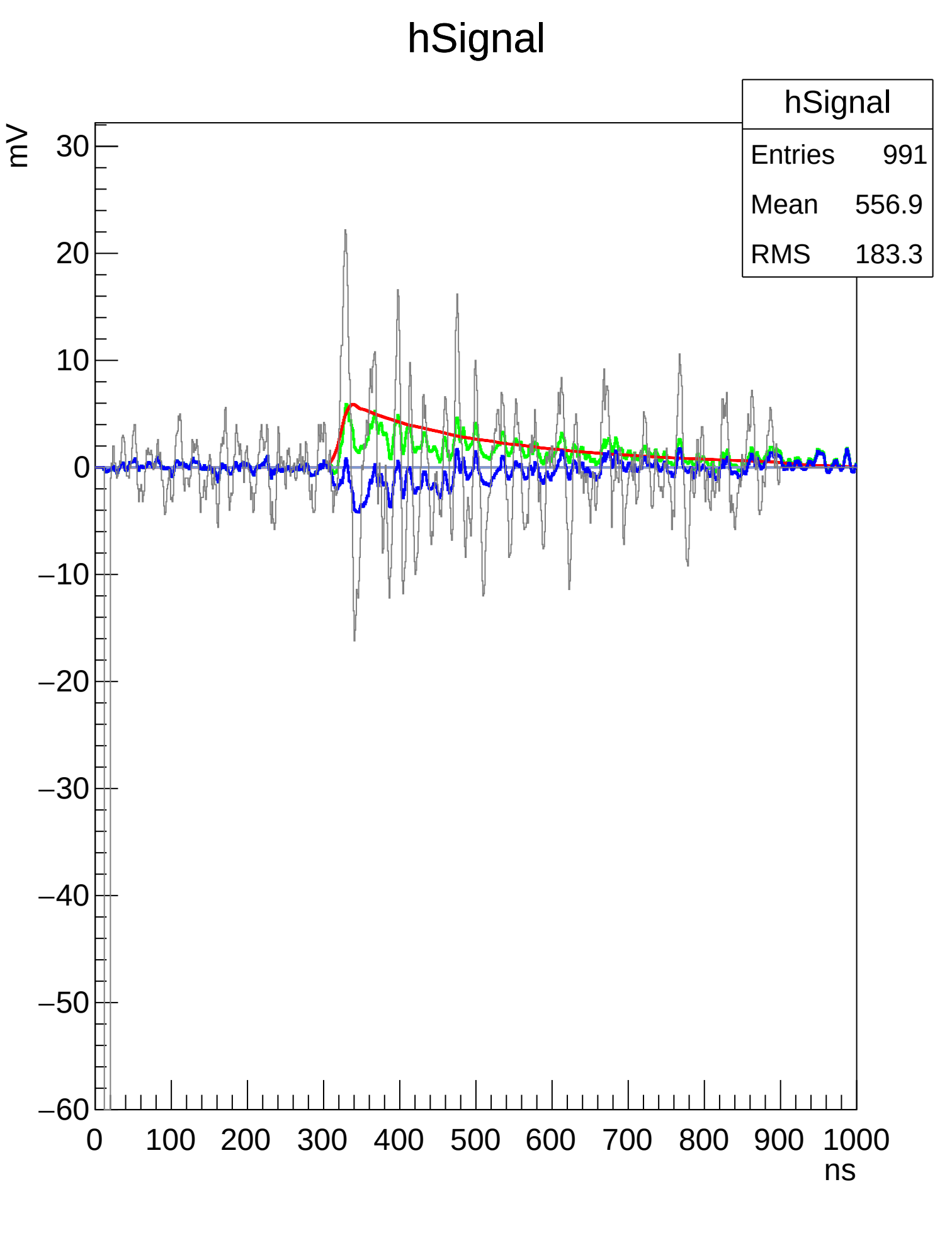
600
700
800
900
1000
ns

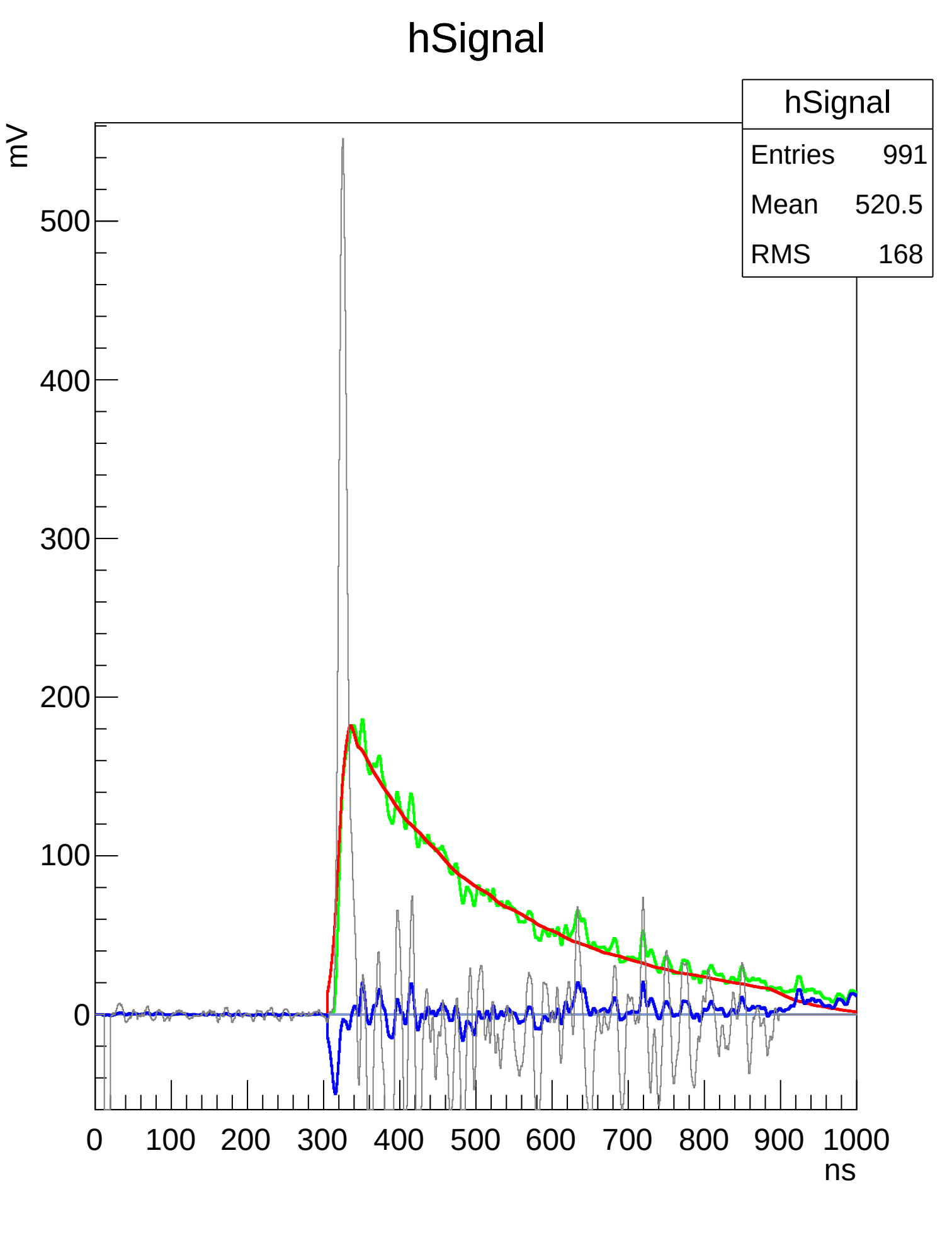

hSignal
hSignal
Entries 991
Mean 488.9
RMS 141.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

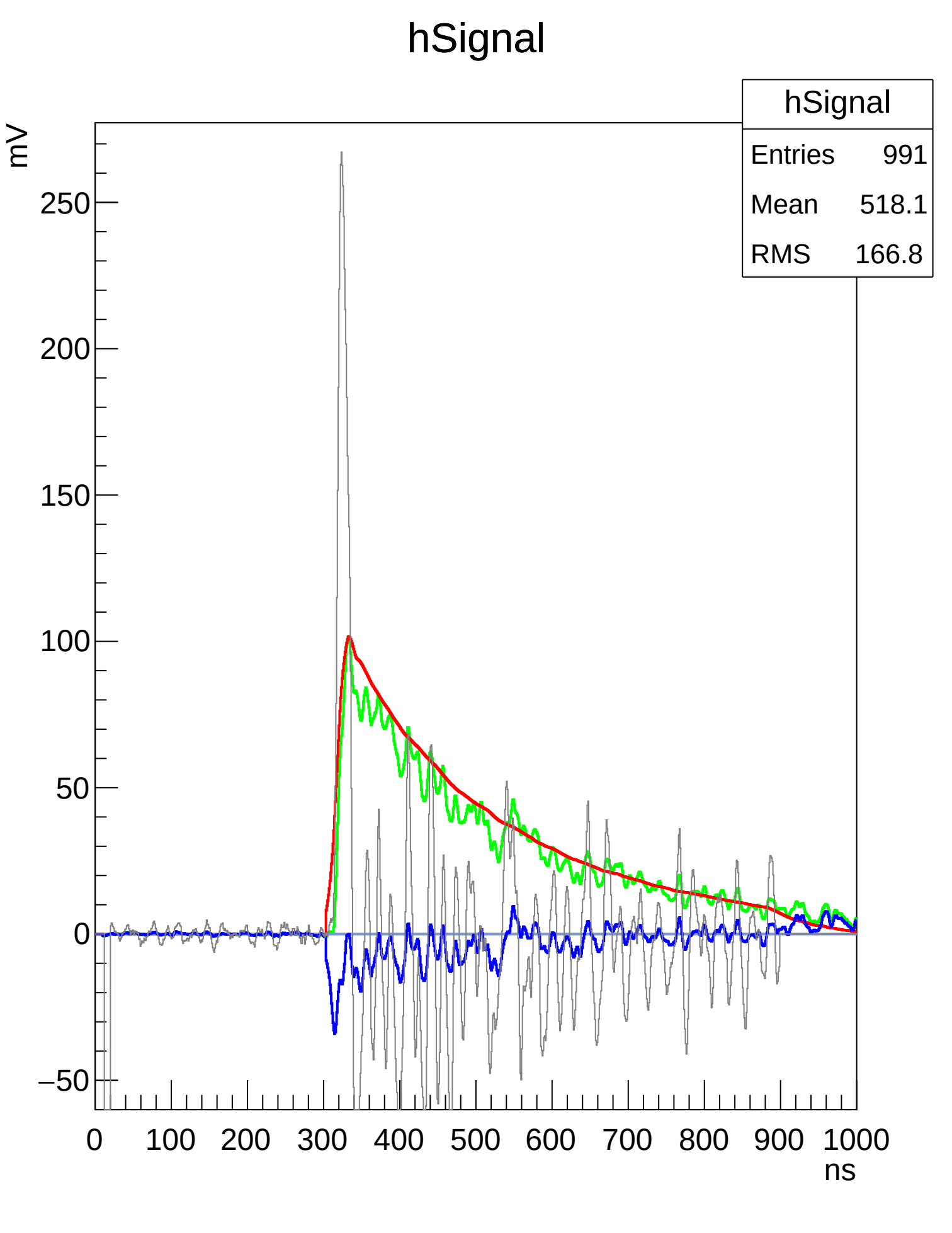

hSignal
hSignal
Entries 991
Mean 481.7
RMS 109.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.5
RMS 169.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.7
RMS 169
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.9
RMS 183.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.5
RMS 168
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 518.1
RMS 166.8
mV
250
200
150
100
50
0
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0
100
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400
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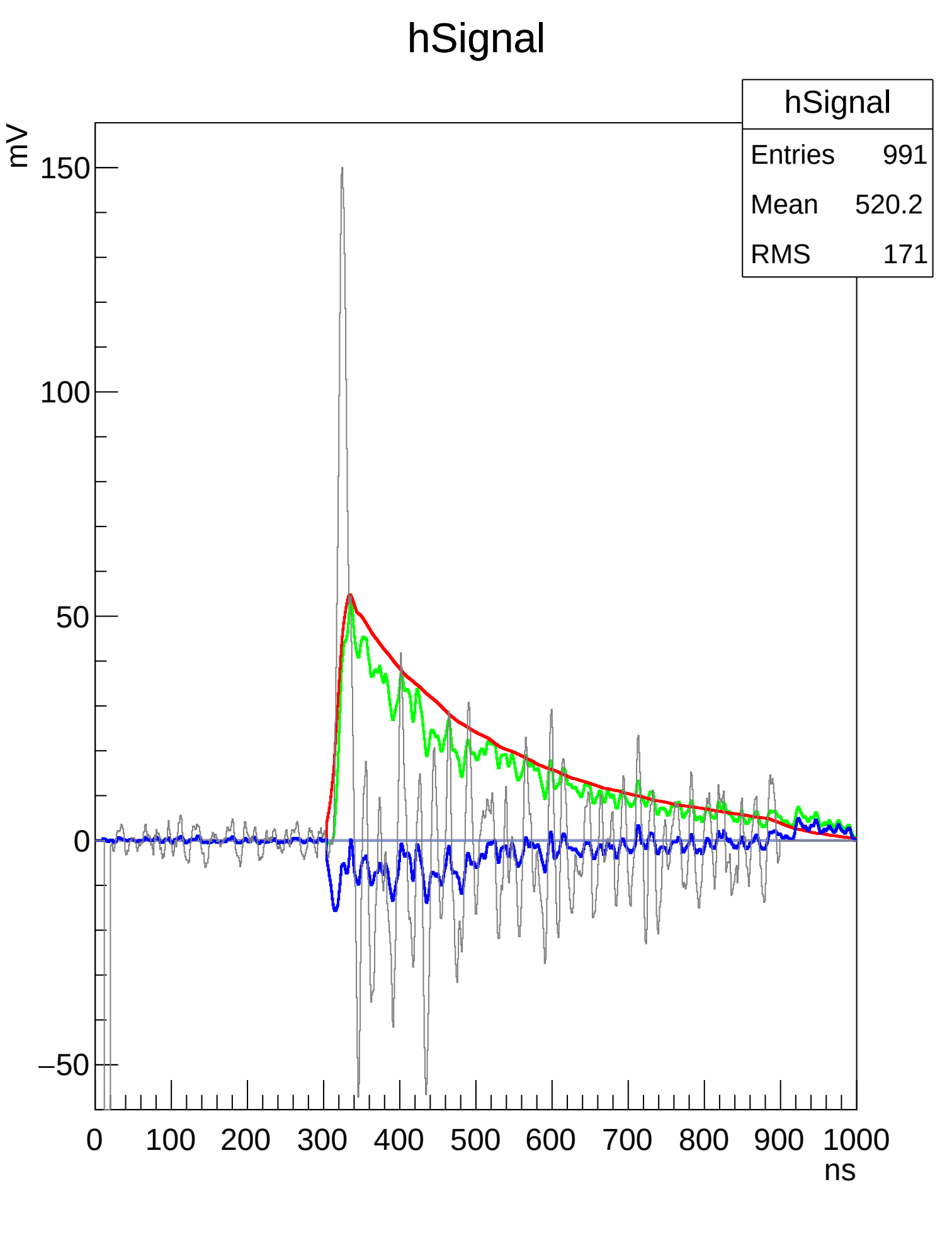
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.2
RMS 171
mV
150
100
50
0
−50
0
100
200
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400
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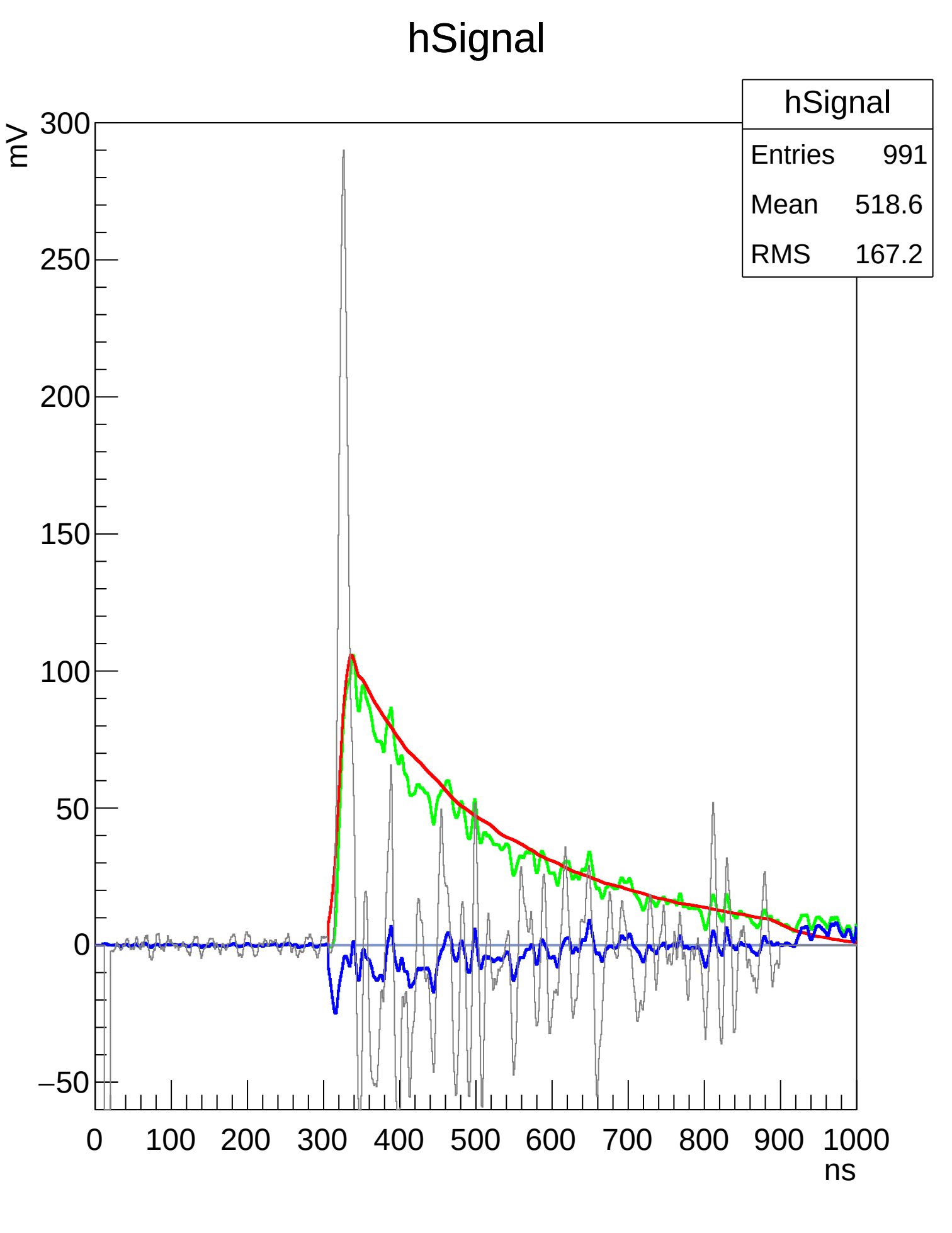
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.6
RMS 167.2
mV
300
250
200
150
100
50
0
−50
0
100
200
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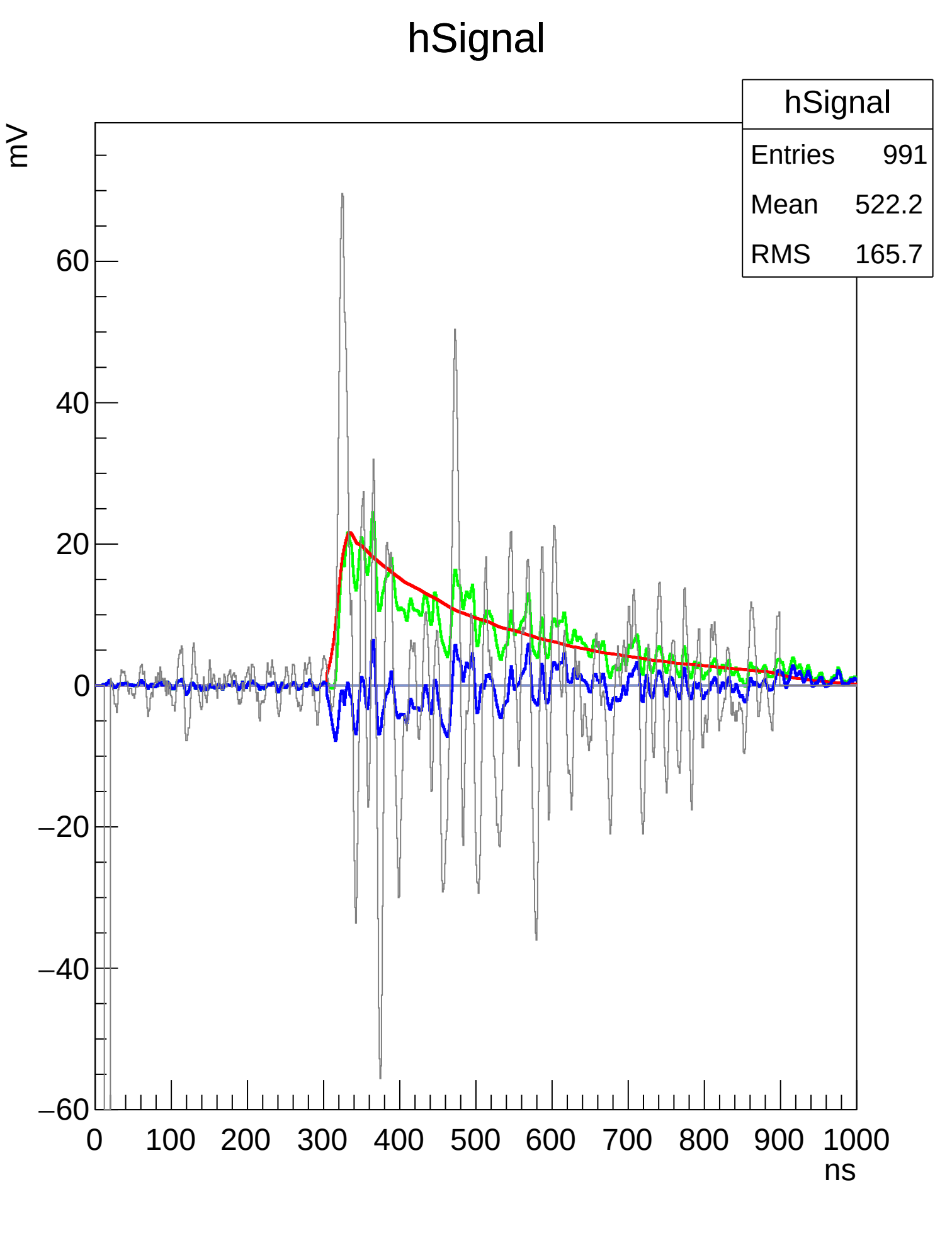
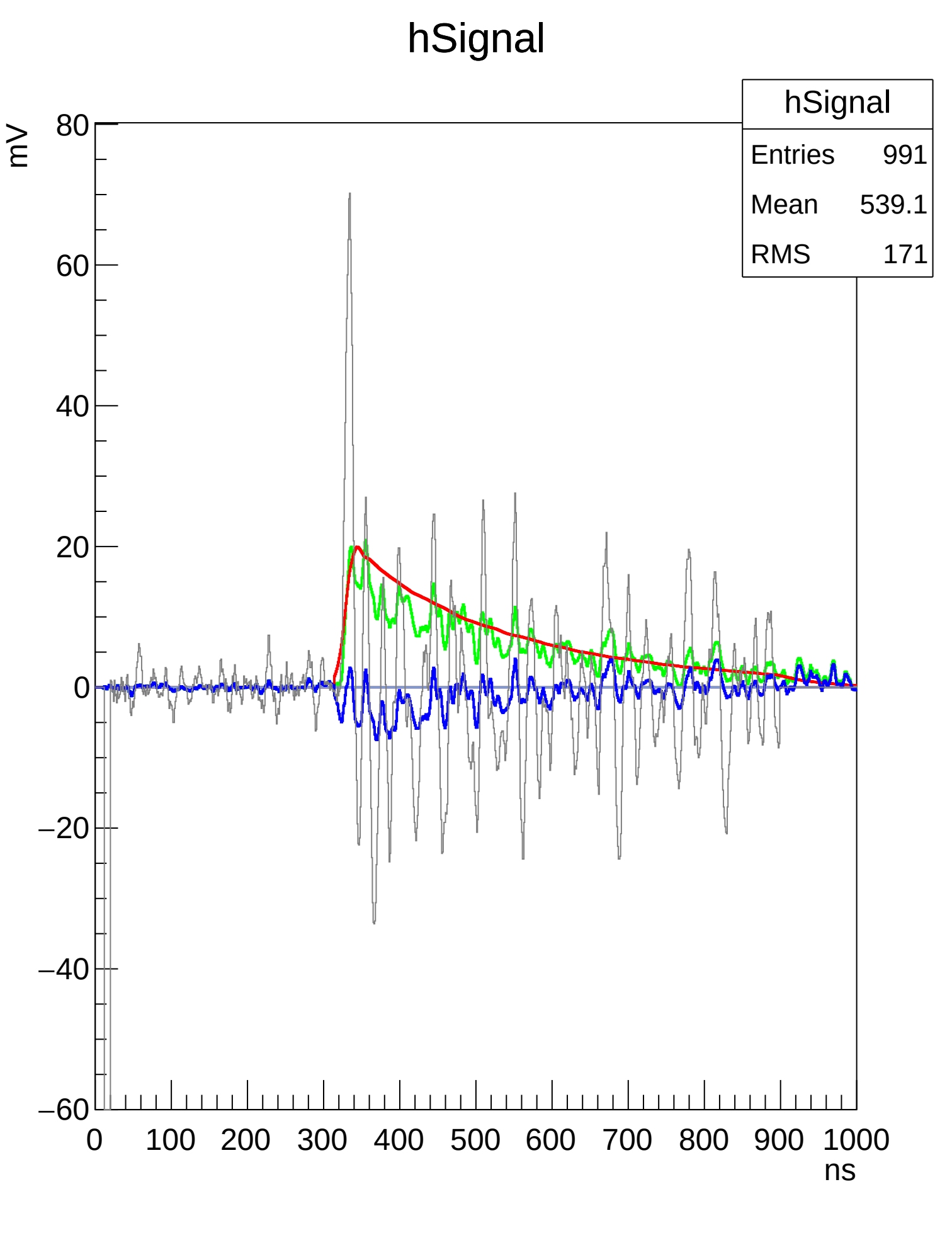
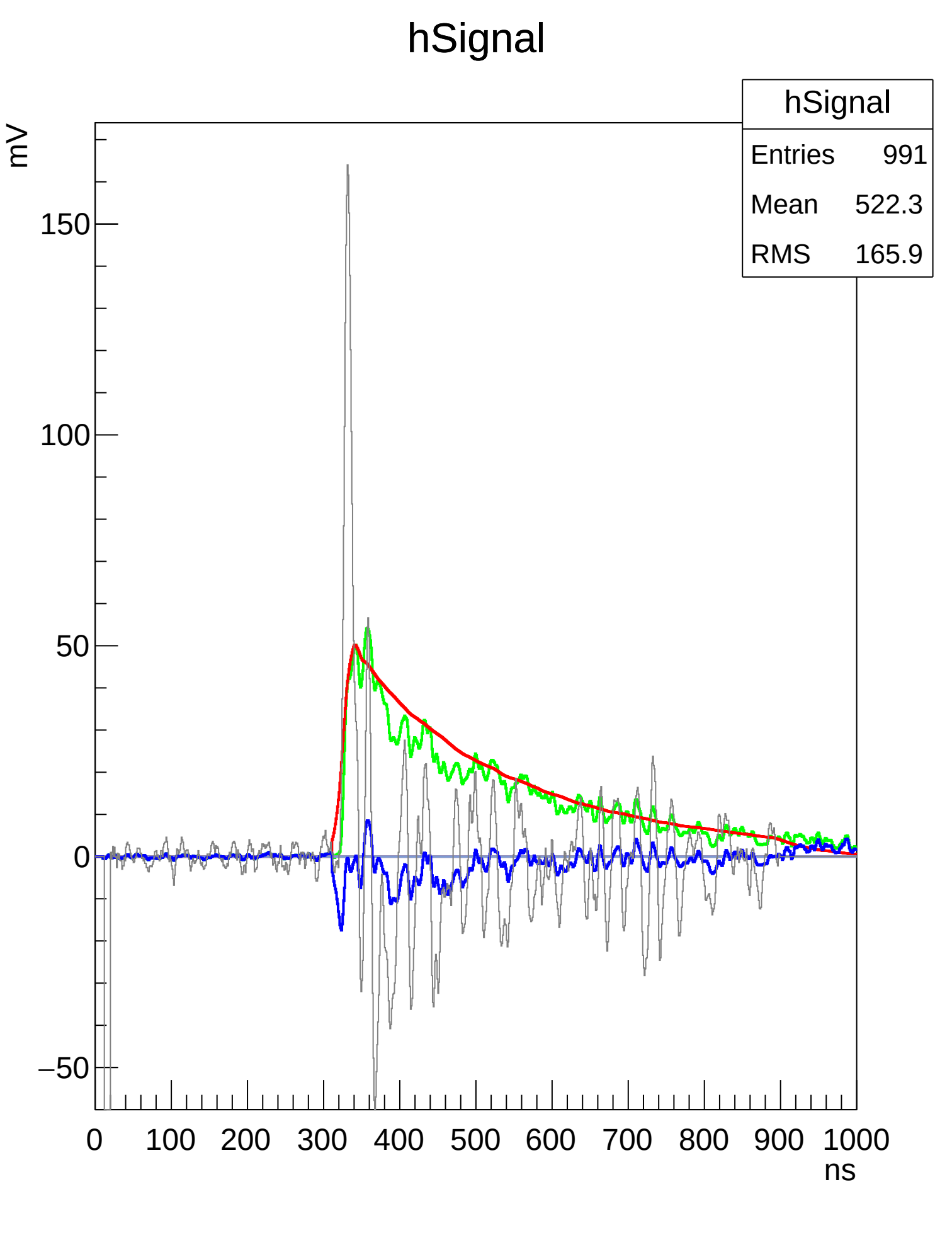
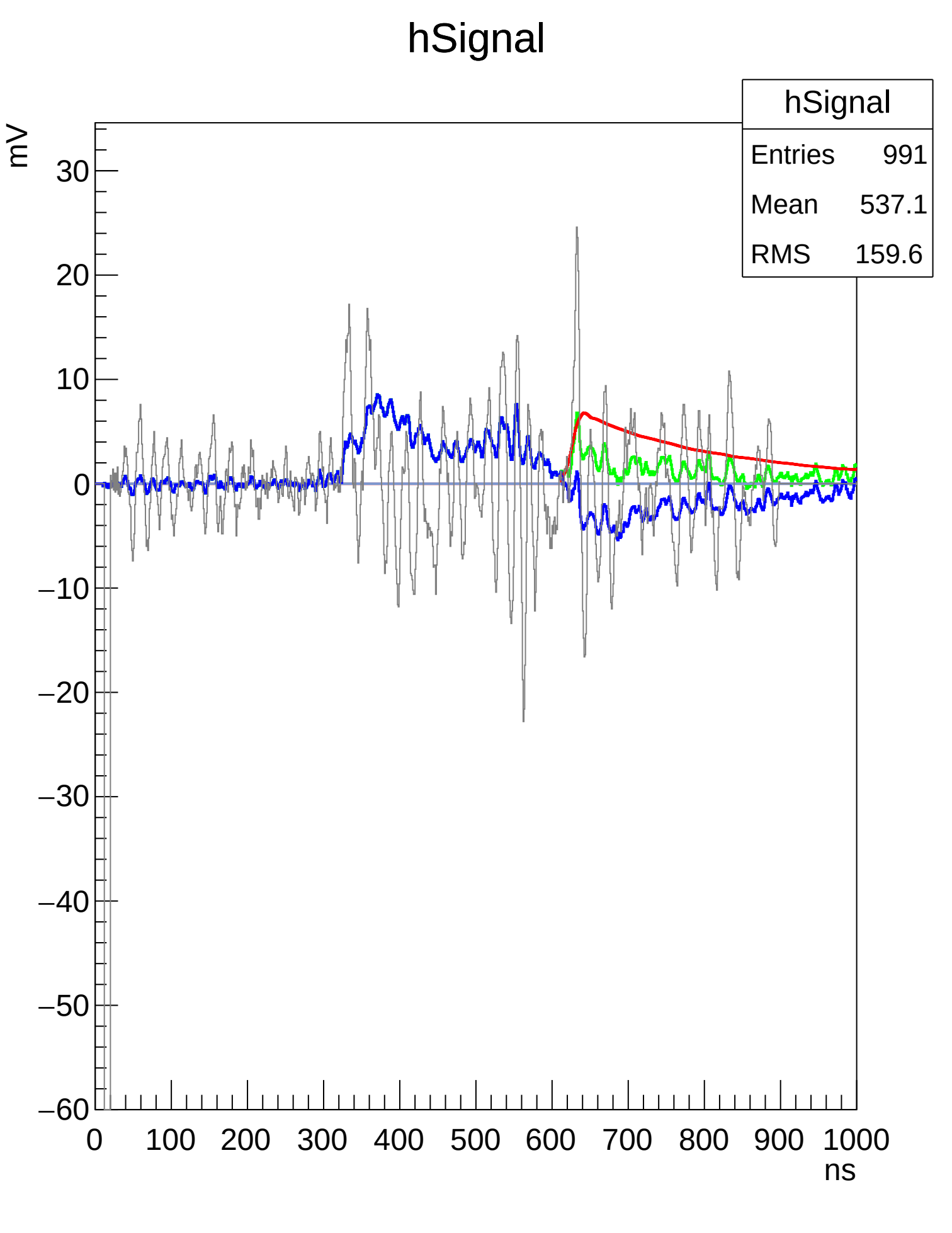
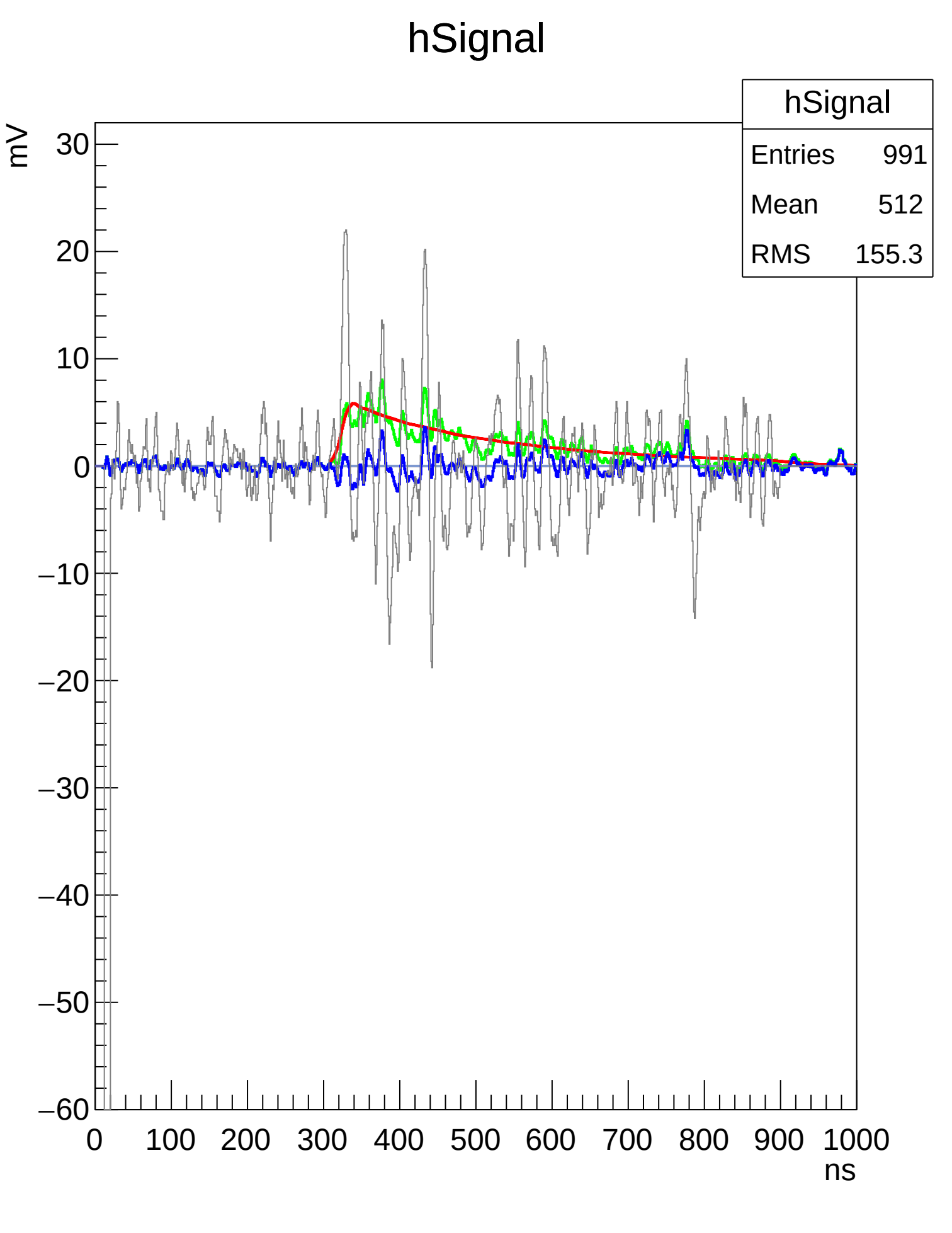
400
500
600
700
800
900
1000
ns

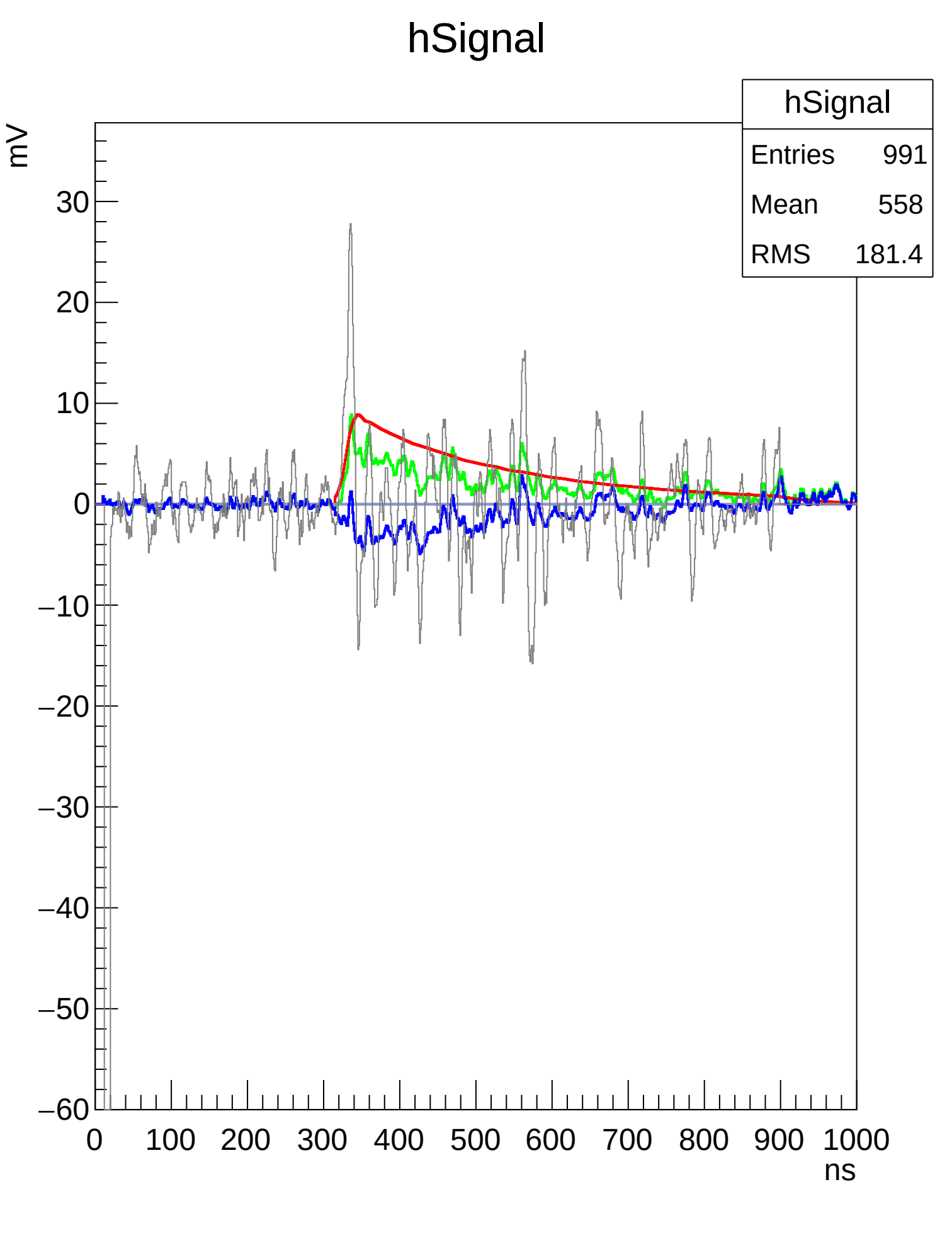

hSignal
hSignal
Entries 991
Mean 522.2
RMS 165.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.1
RMS 171
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.3
RMS 165.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.1
RMS 159.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512
RMS 155.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 181.4
mV
30
20
10
0
−10
−20
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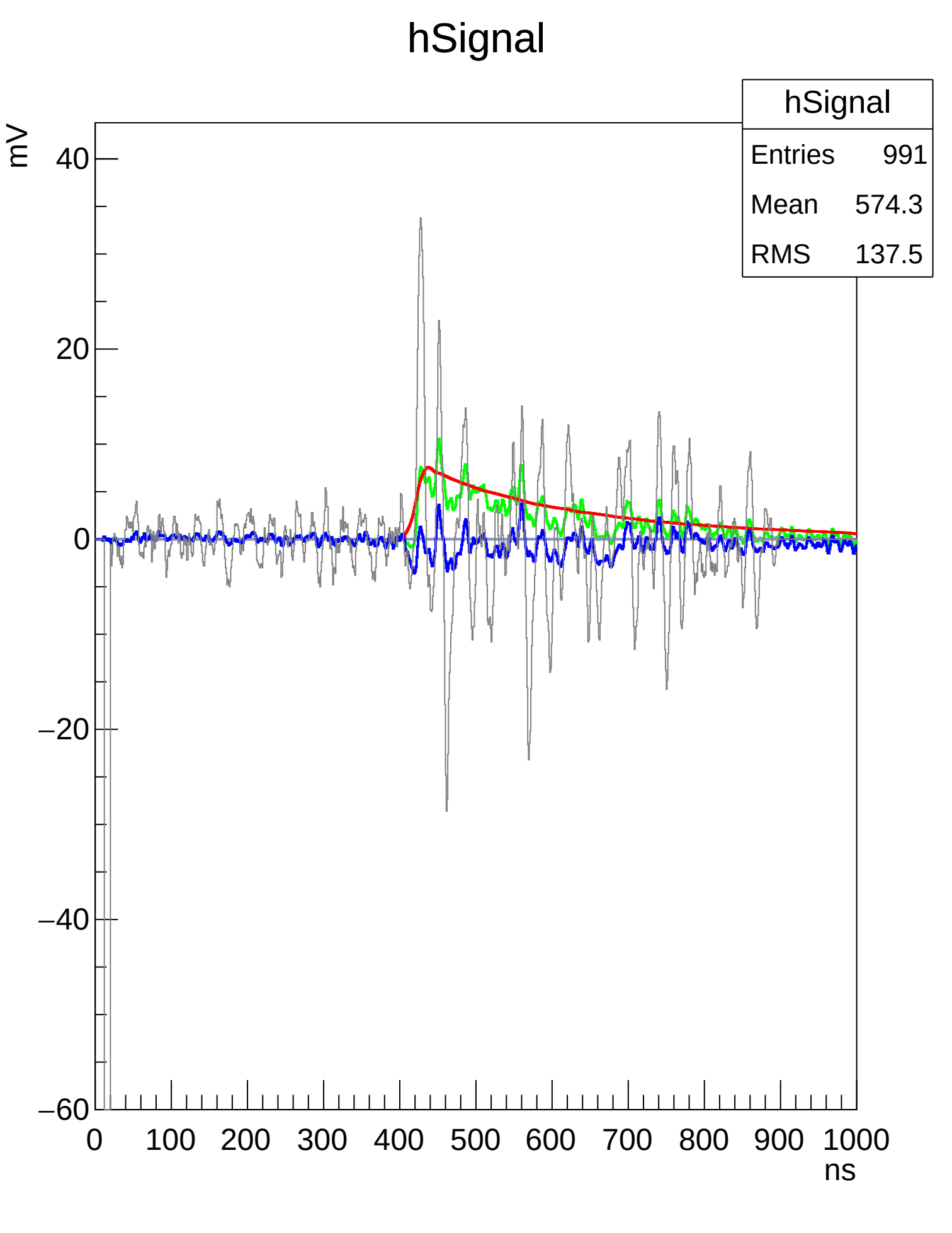
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 137.5
mV
40
20
0
−20
−40
−60
0
100
200
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400
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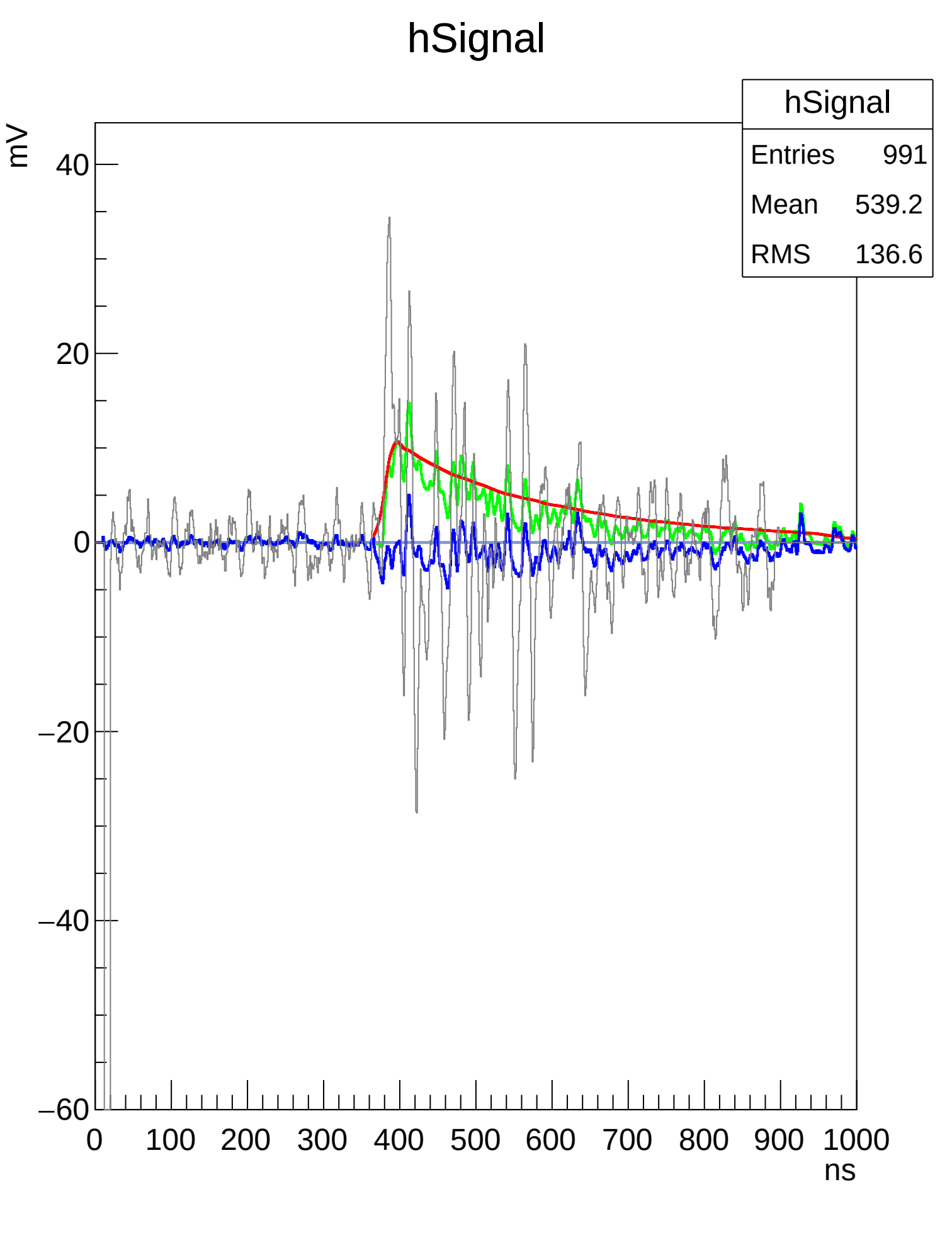
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.2
RMS 136.6
mV
40
20
0
−20
−40
−60
0
100
200
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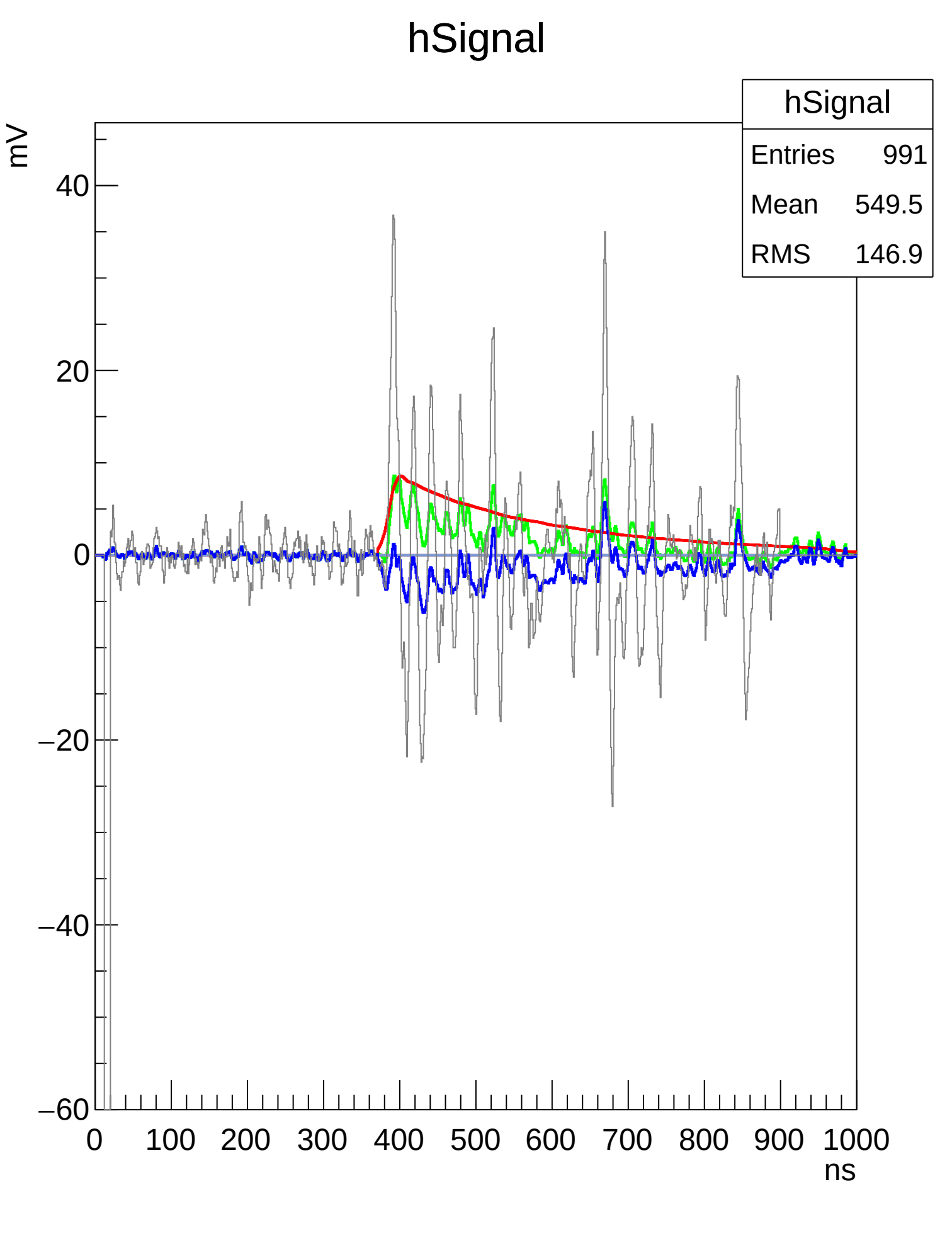
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.5
RMS 146.9
mV
40
20
0
−20
−40
−60
0
100
200
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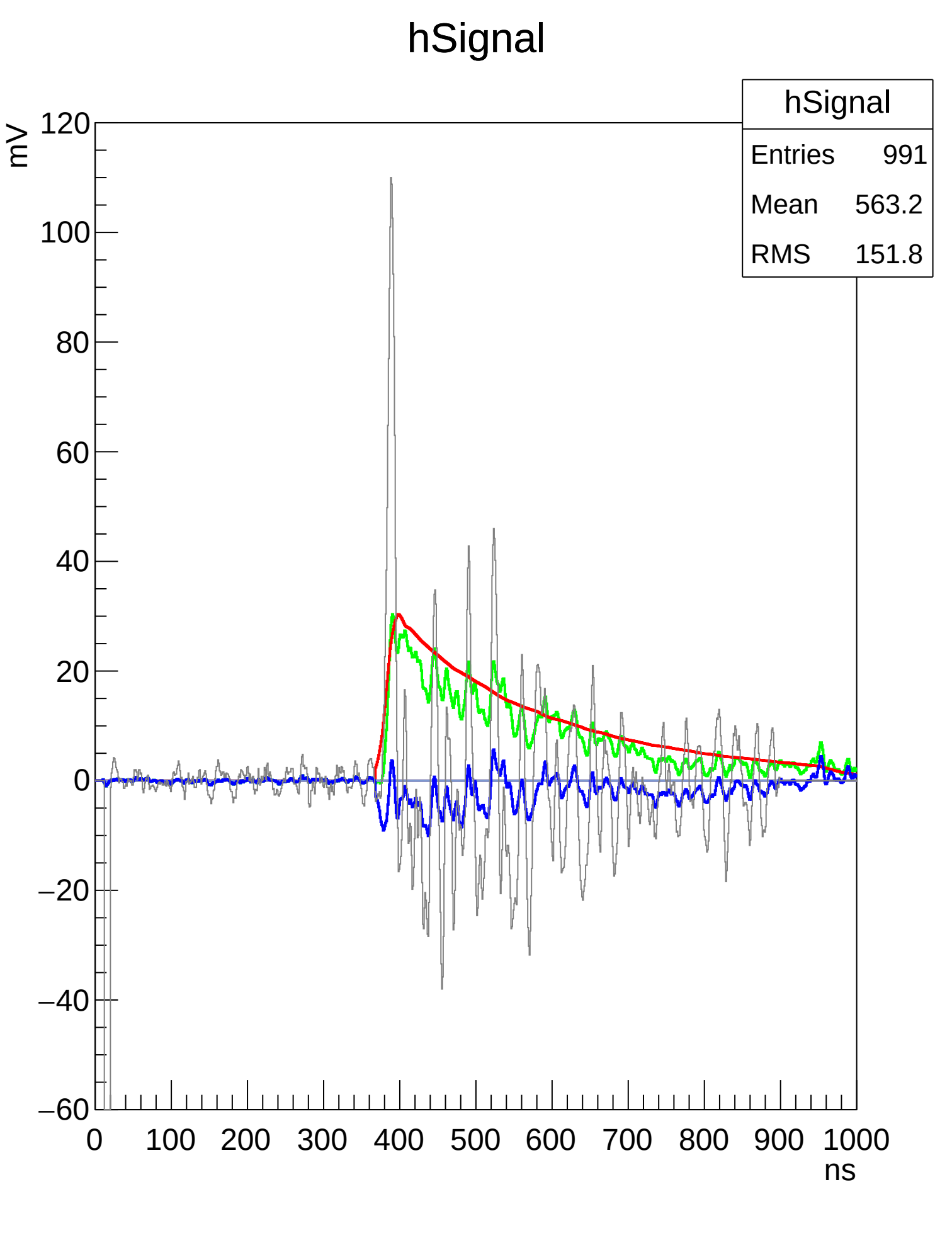
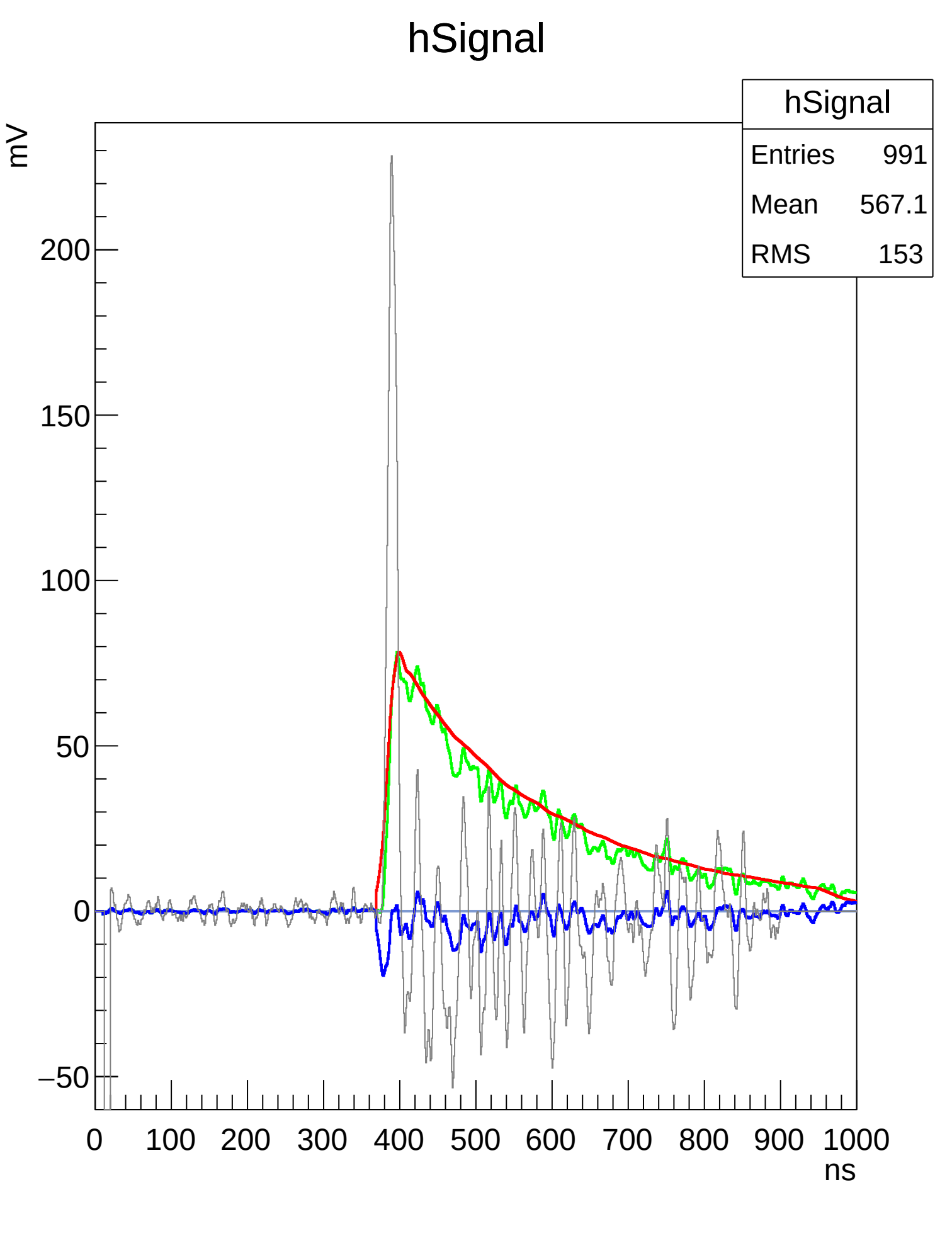
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.2
RMS 151.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.1
RMS 153
mV
200
150
100
50
0
−50
0
100
200
300
400
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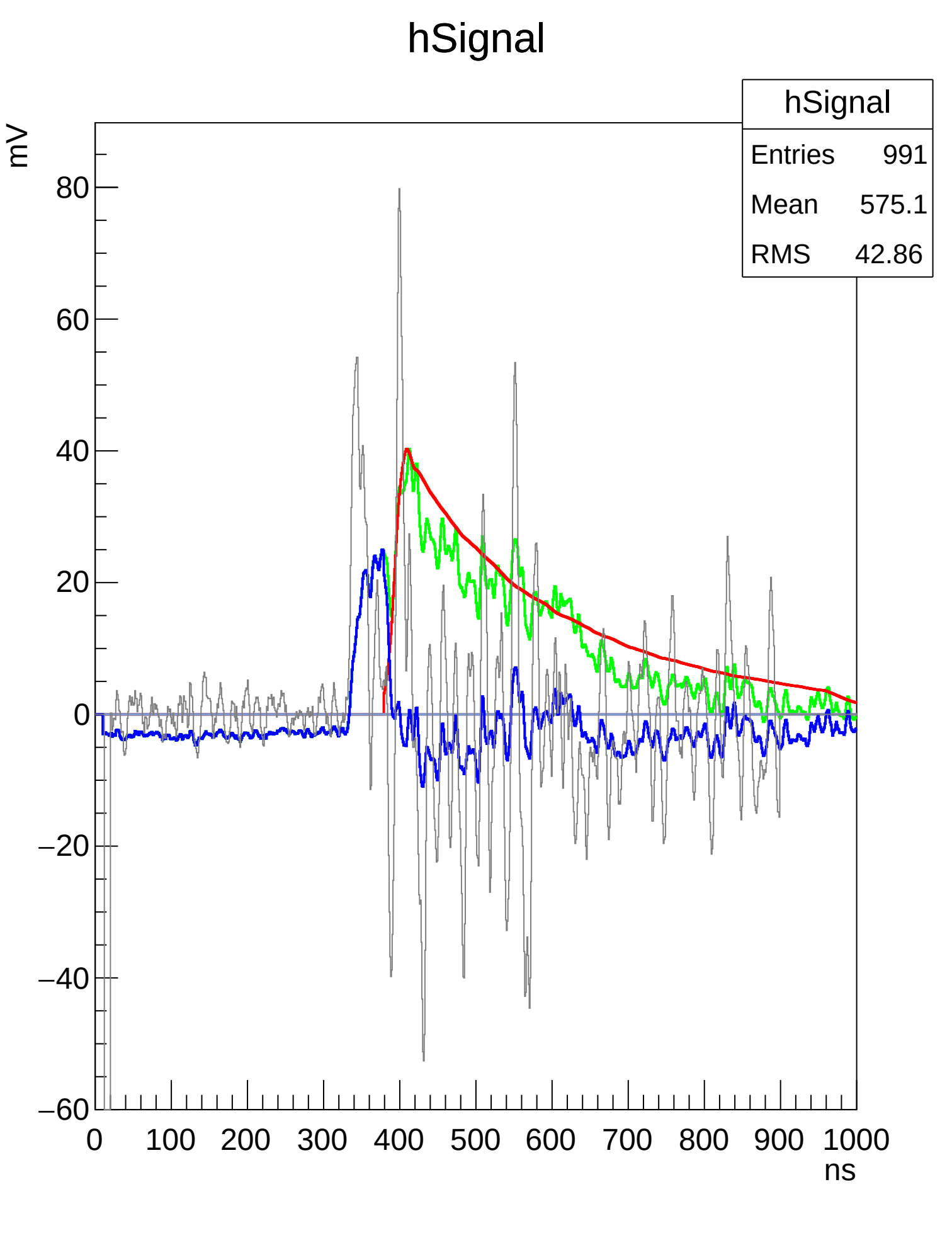
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.1
RMS 42.86
mV
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20
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−20
−40
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0
100
200
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400
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800
900
1000
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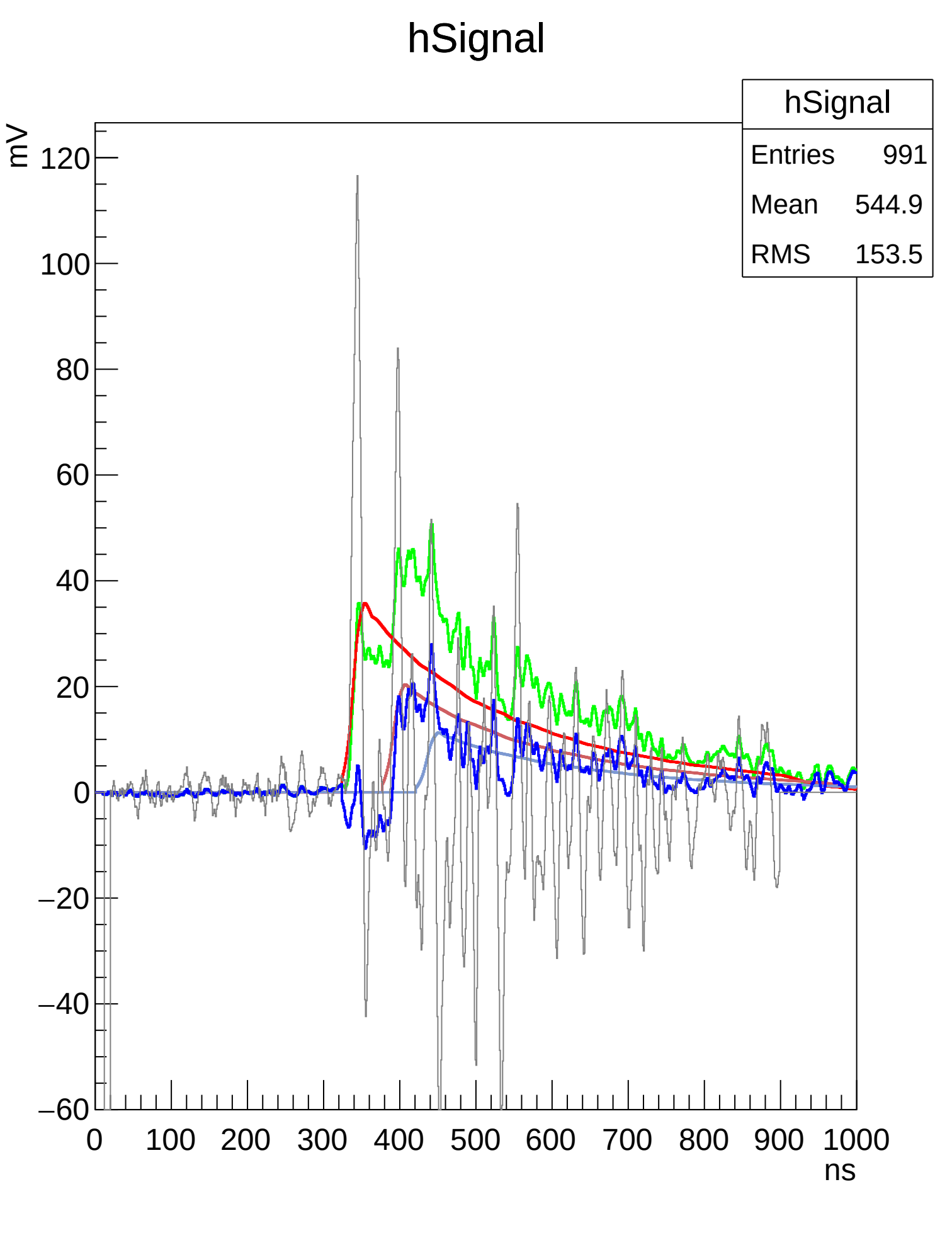
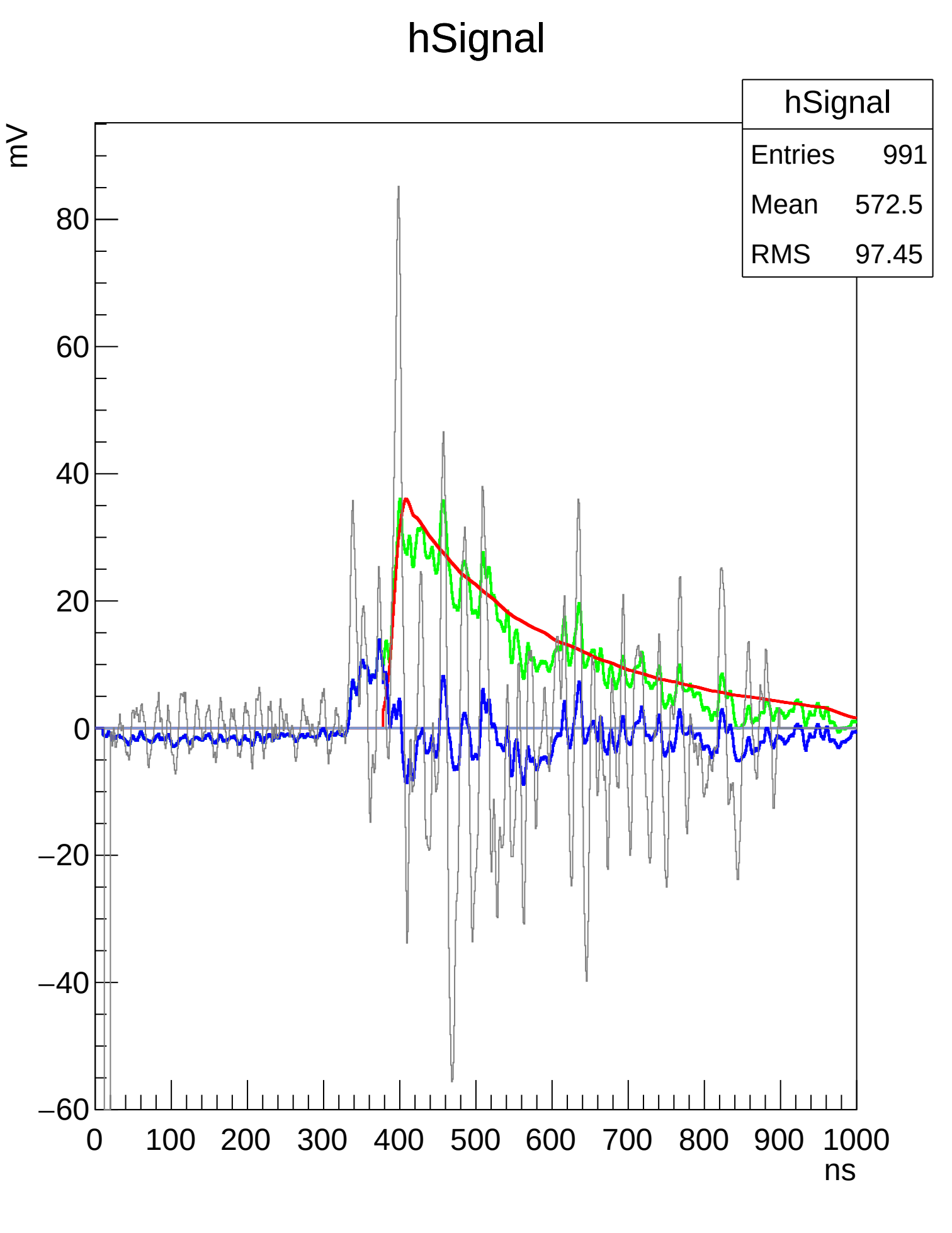
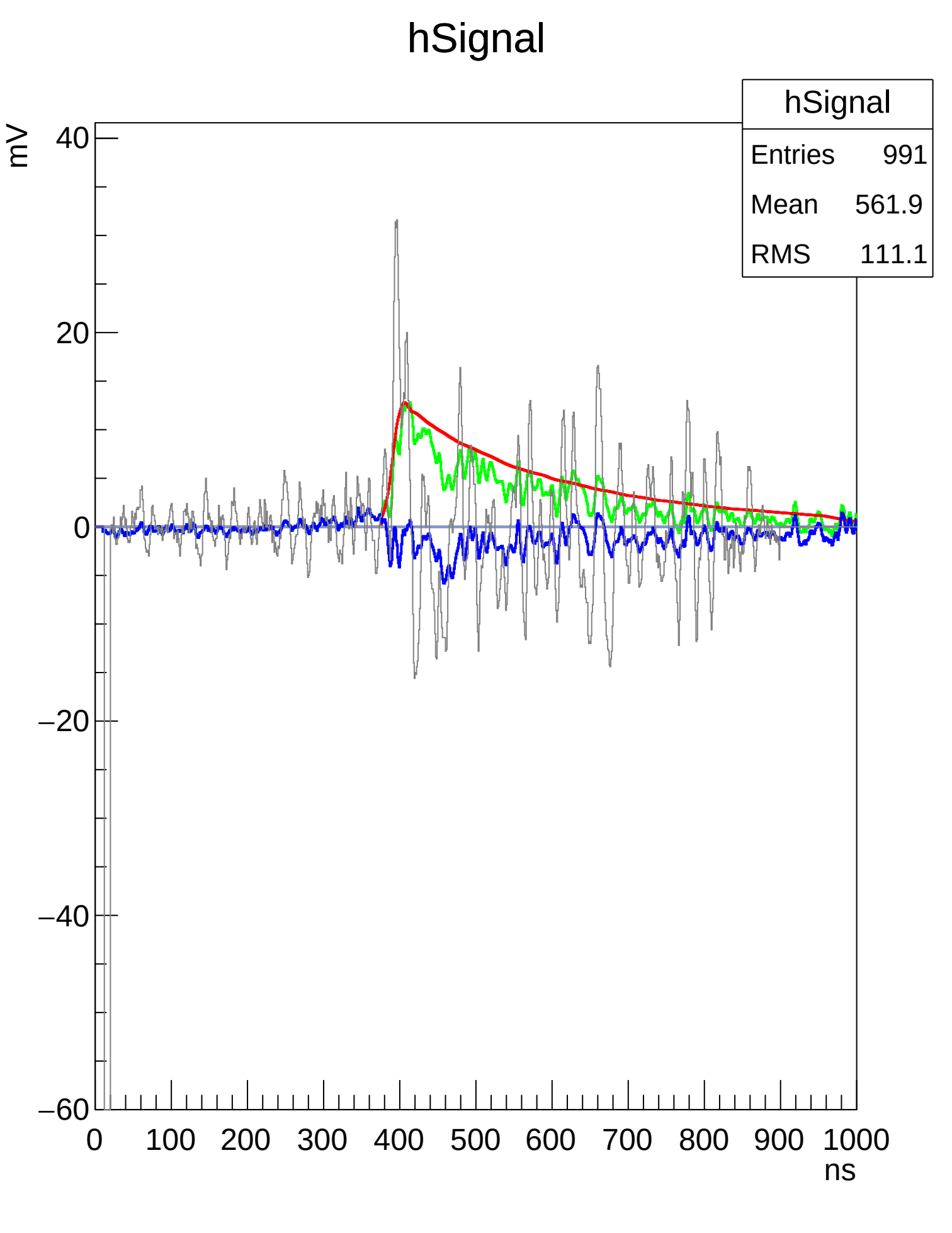
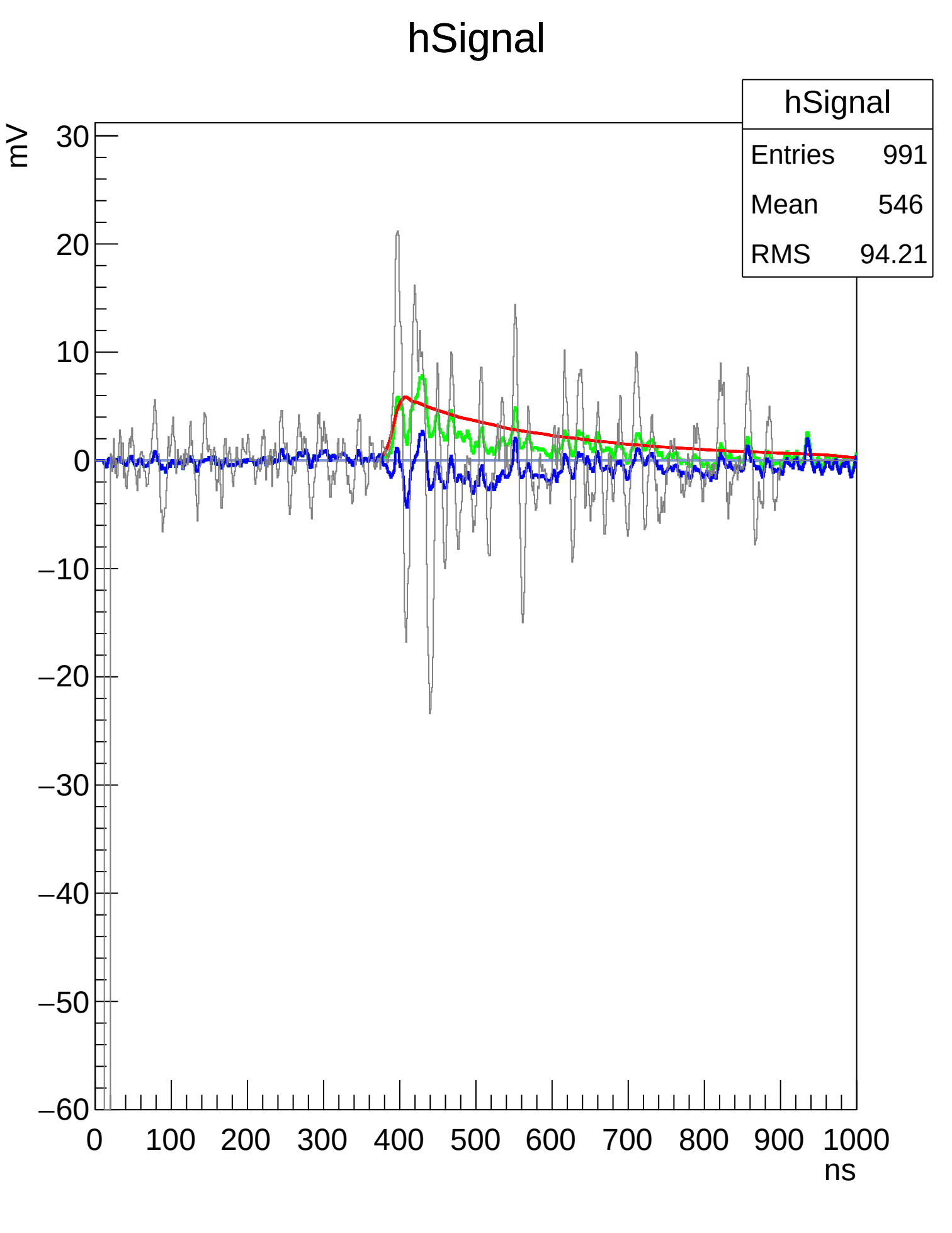

hSignal
hSignal
Entries 991
Mean 544.9
RMS 153.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.5
RMS 97.45
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.9
RMS 111.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546
RMS 94.21
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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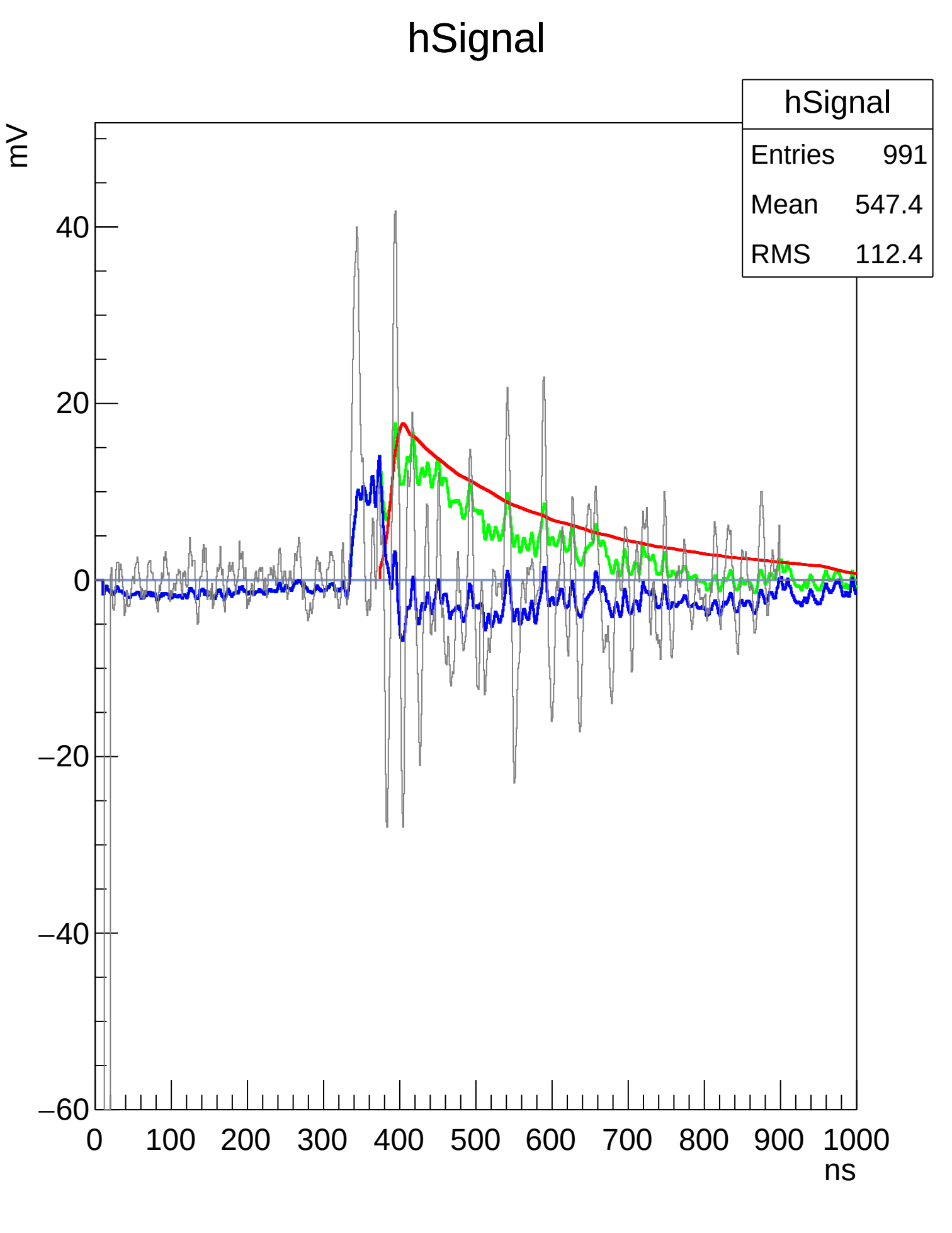
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.4
RMS 112.4
mV
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−20
−40
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0
100
200
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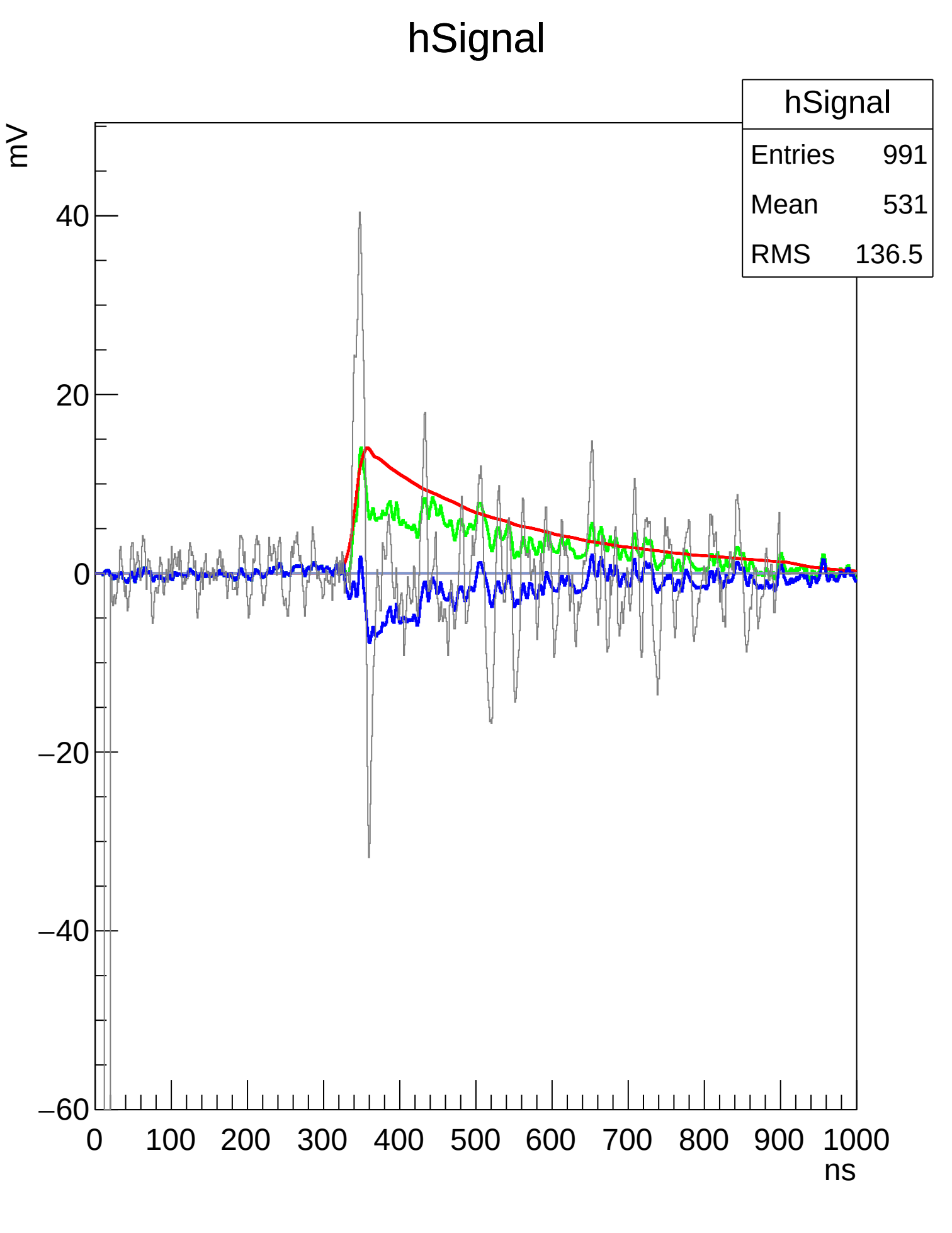
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531
RMS 136.5
mV
40
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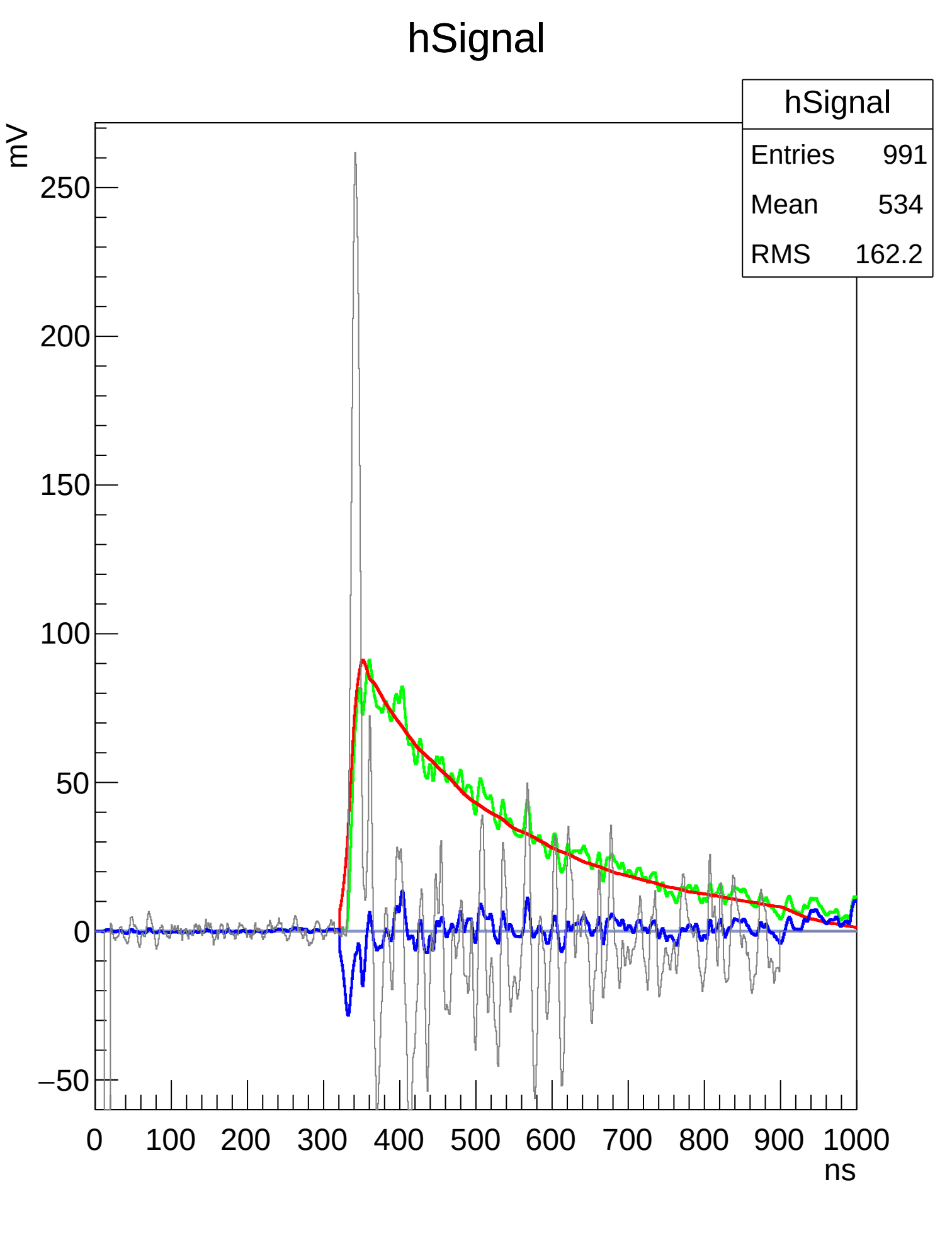
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534
RMS 162.2
mV
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200
150
100
50
0
−50
0
100
200
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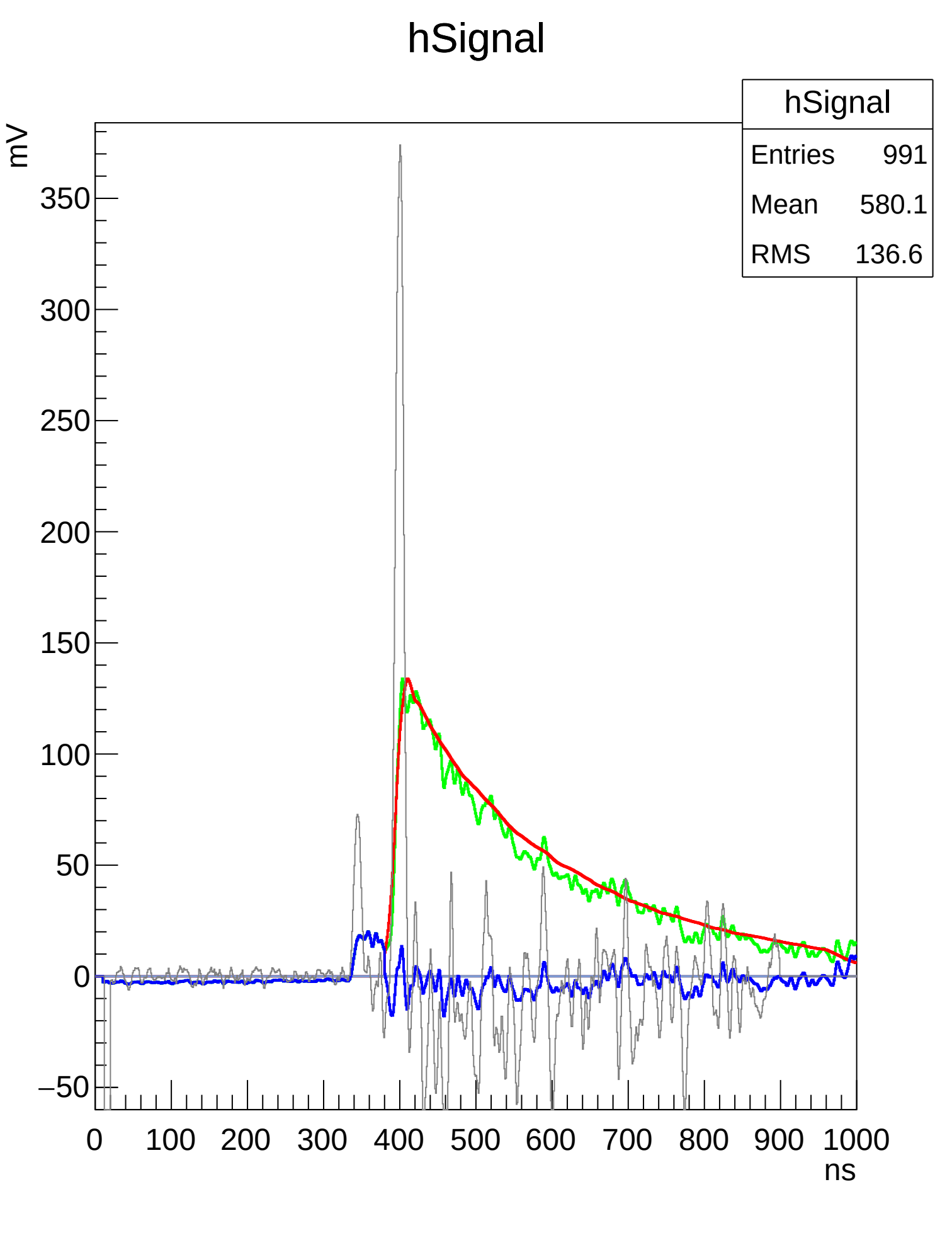
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.1
RMS 136.6
mV
350
300
250
200
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100
50
0
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200
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400
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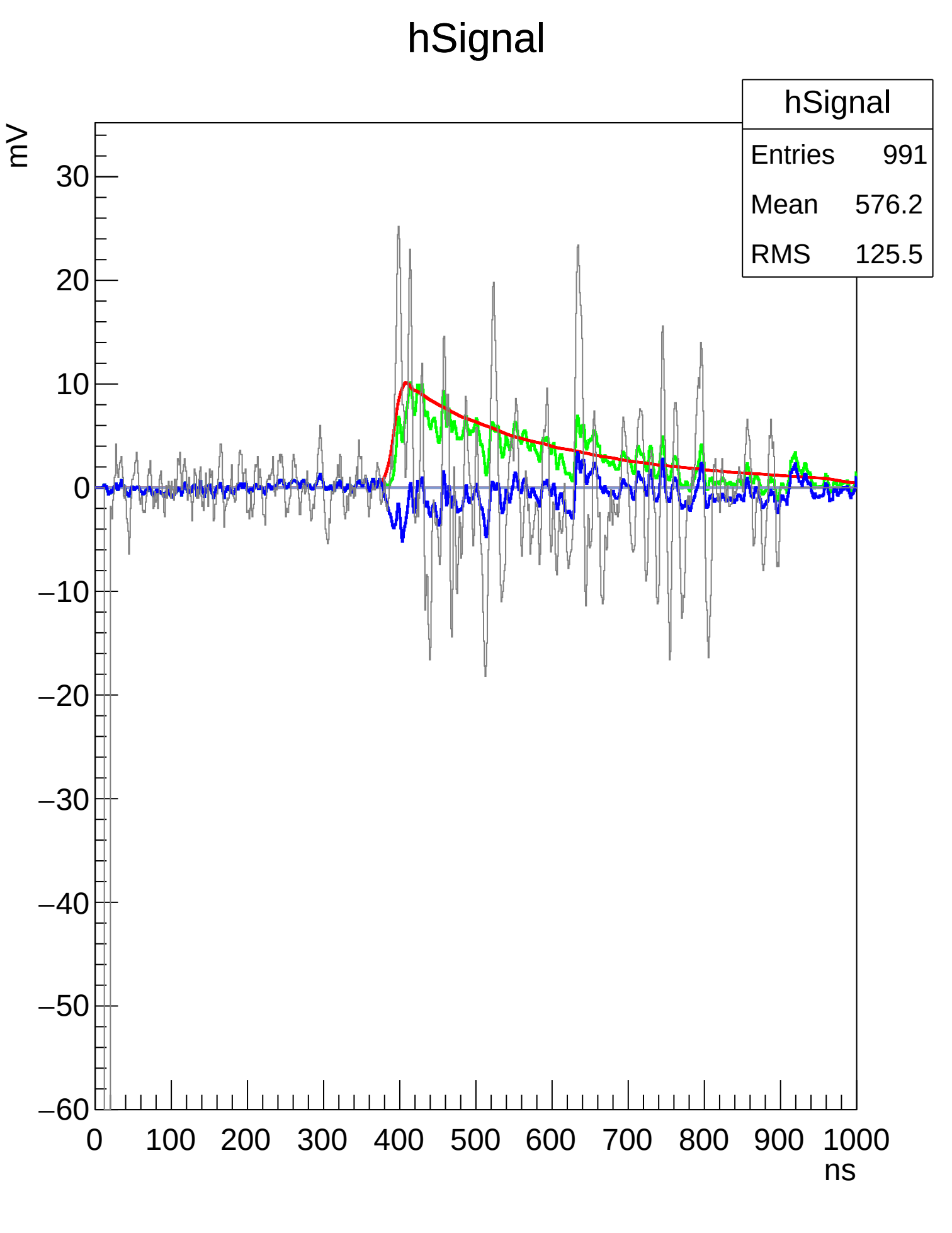
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.2
RMS 125.5
mV
30
20
10
0
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−40
−50
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0
100
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400
500
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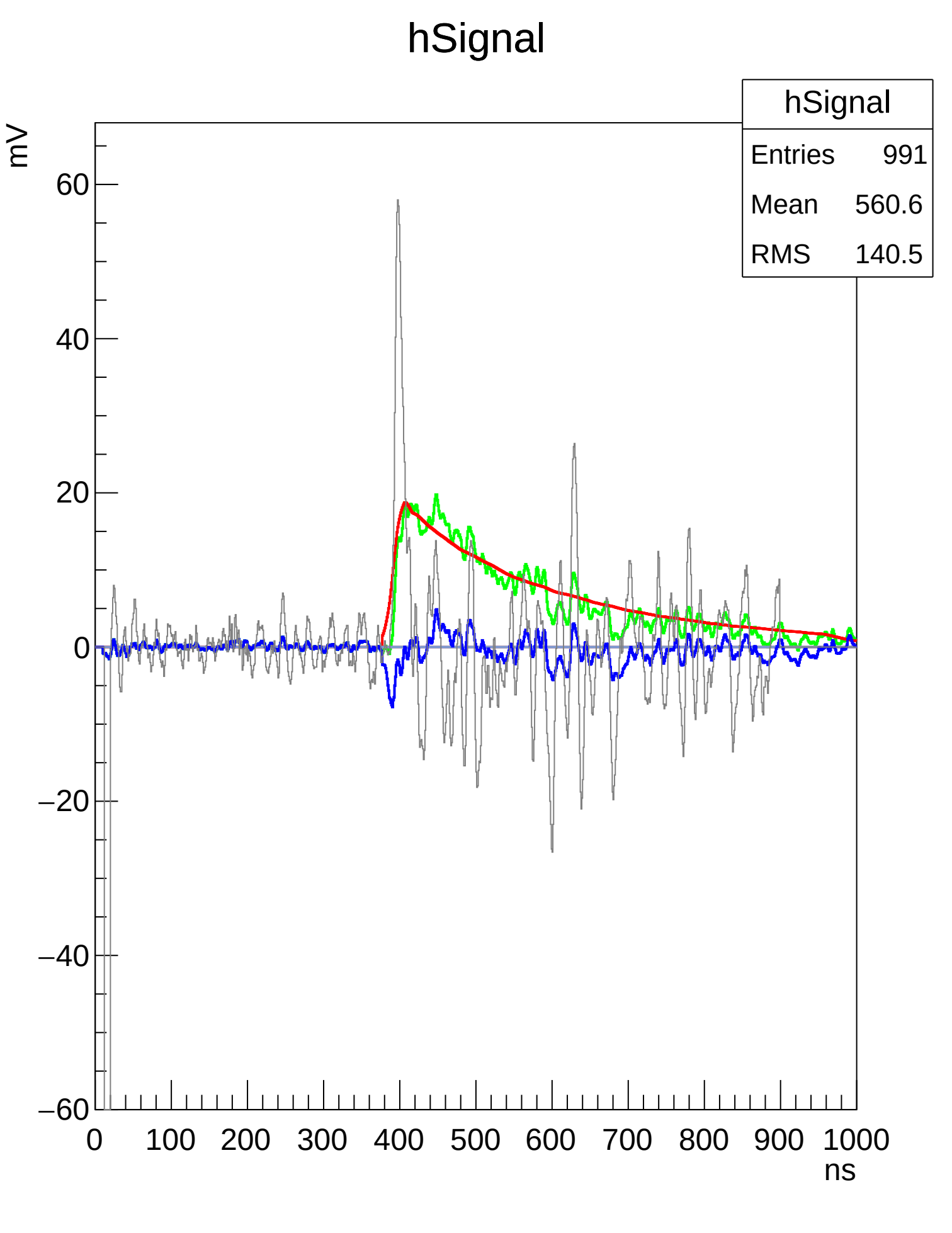
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.6
RMS 140.5
mV
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−20
−40
−60
0
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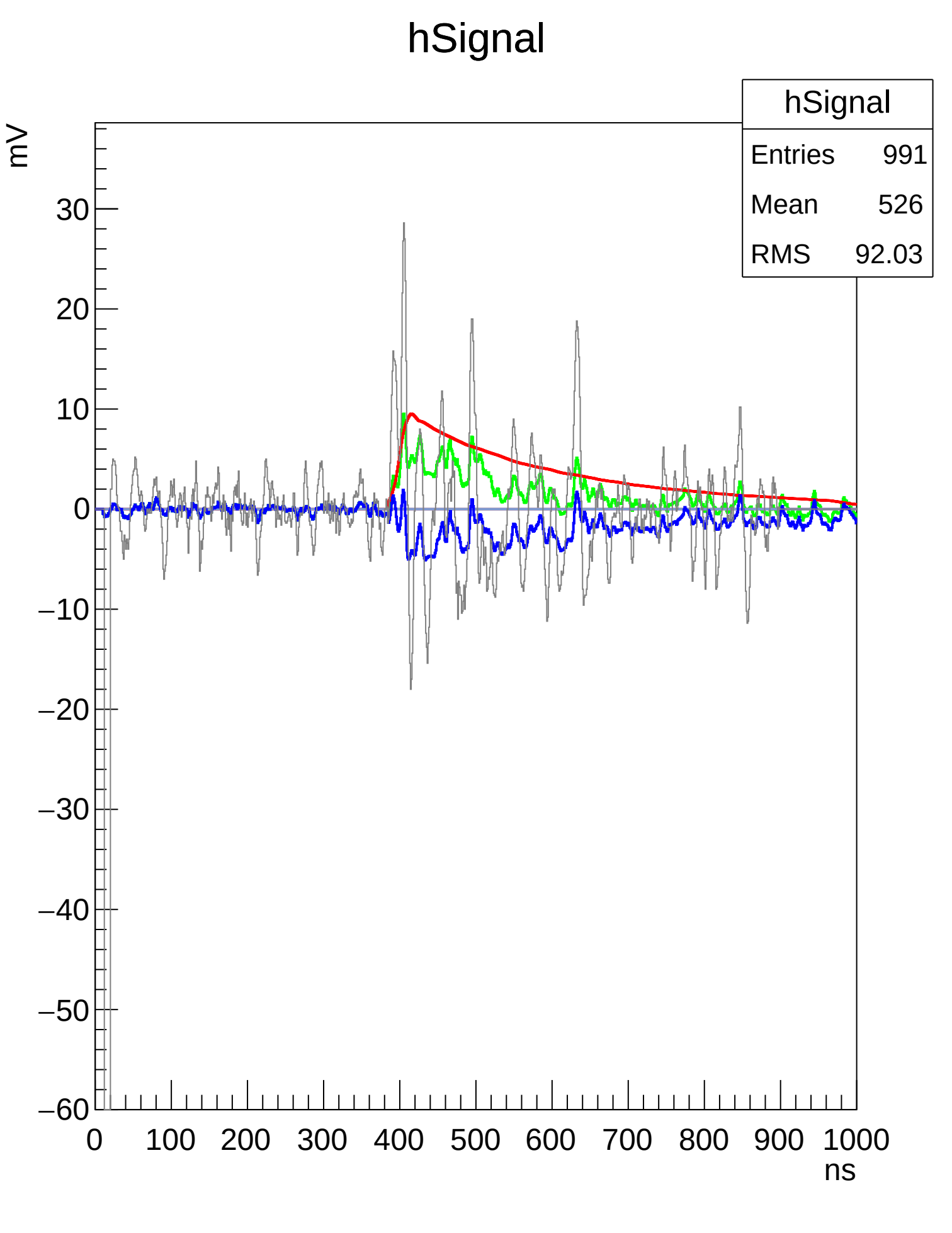
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526
RMS 92.03
mV
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10
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−40
−50
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0
100
200
300
400
500
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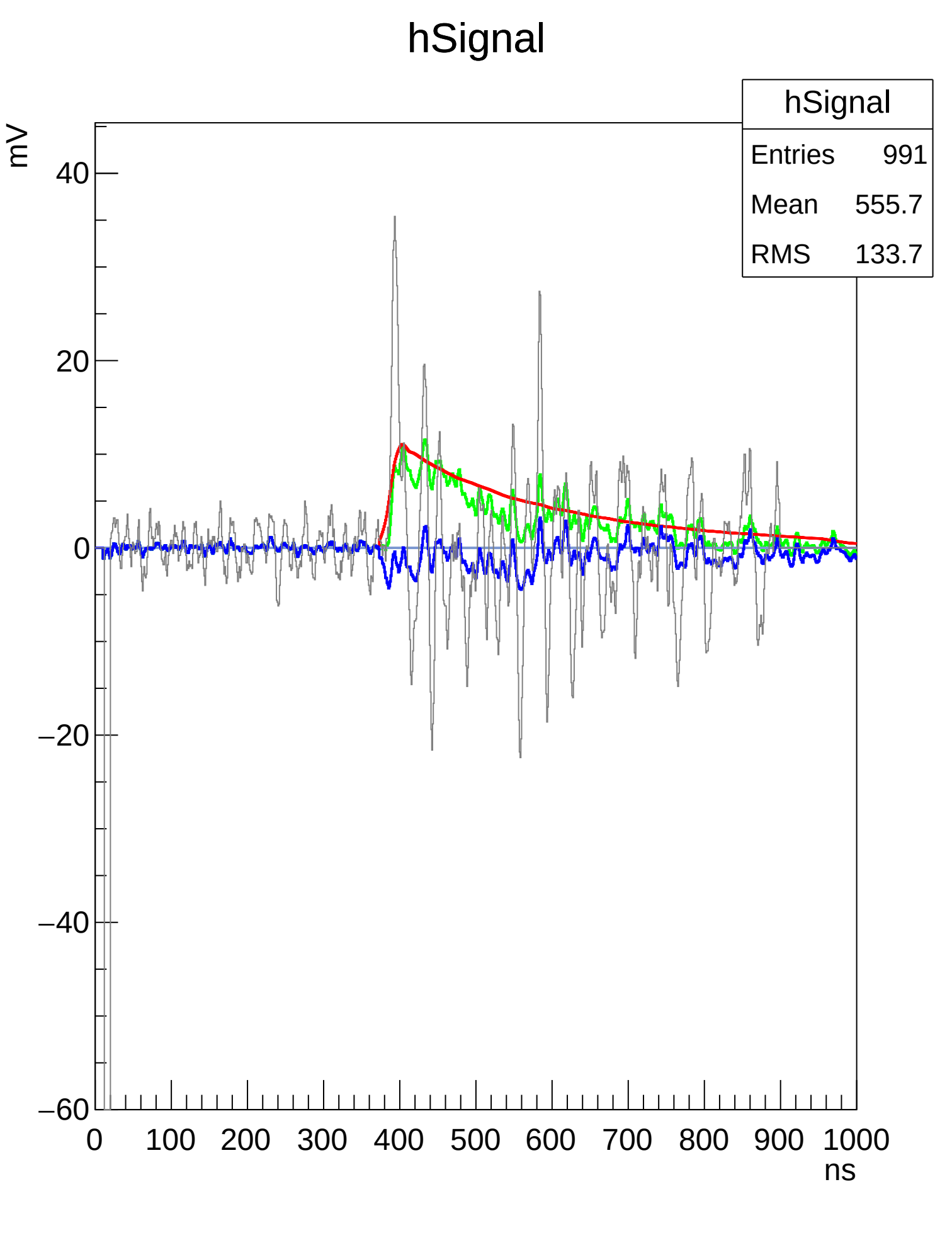
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.7
RMS 133.7
mV
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−20
−40
−60
0
100
200
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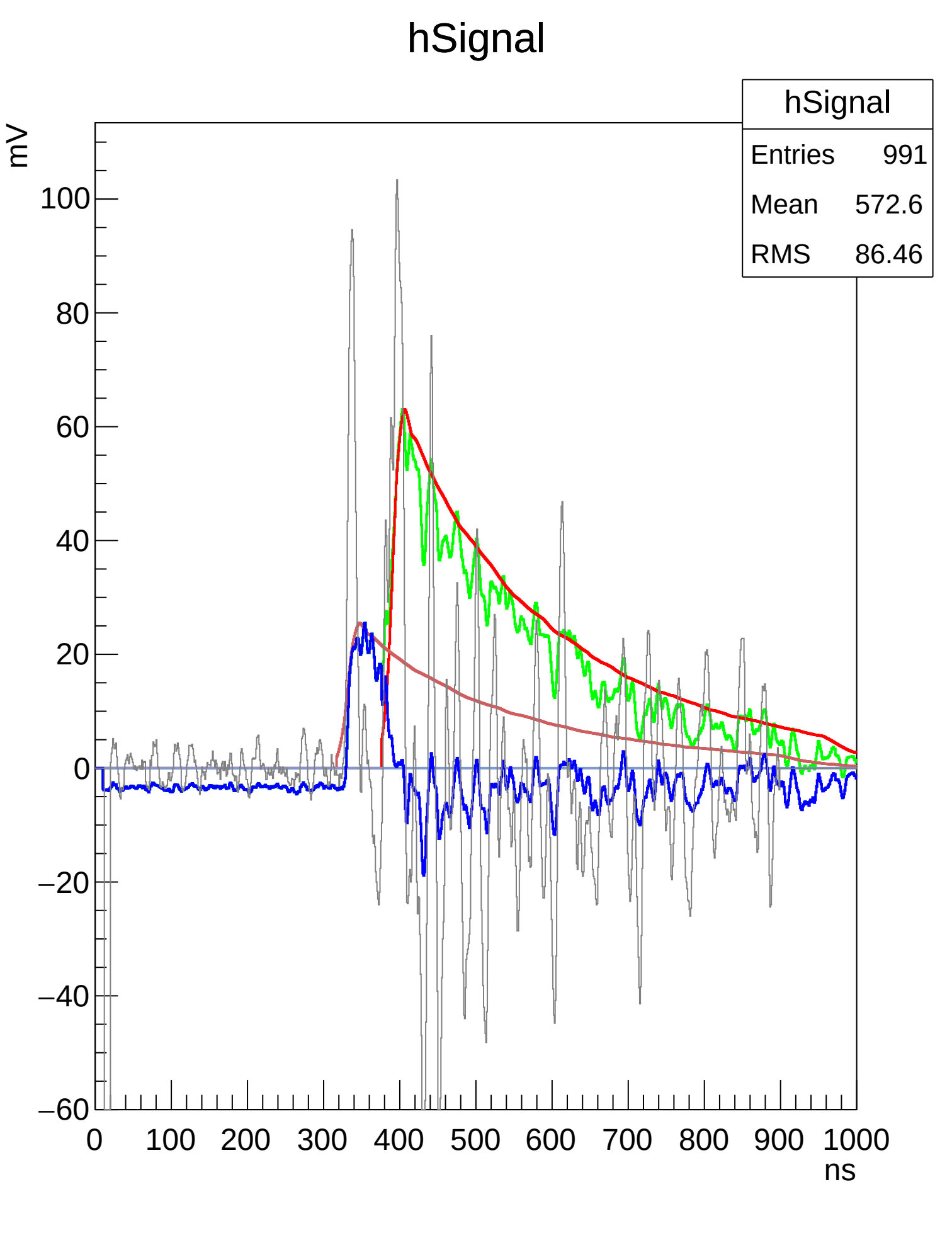
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.6
RMS 86.46
mV
100
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0
100
200
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400
500
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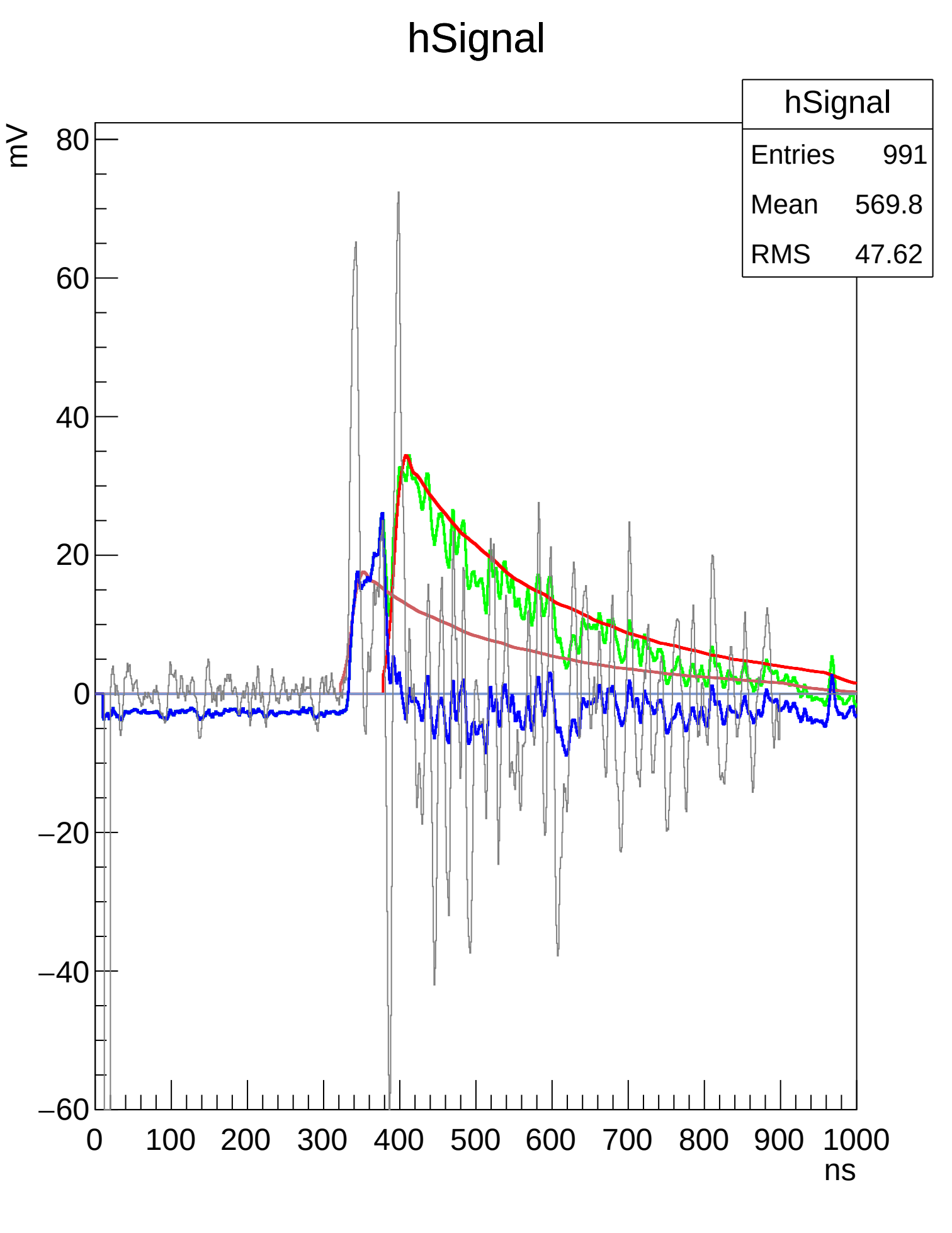
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.8
RMS 47.62
mV
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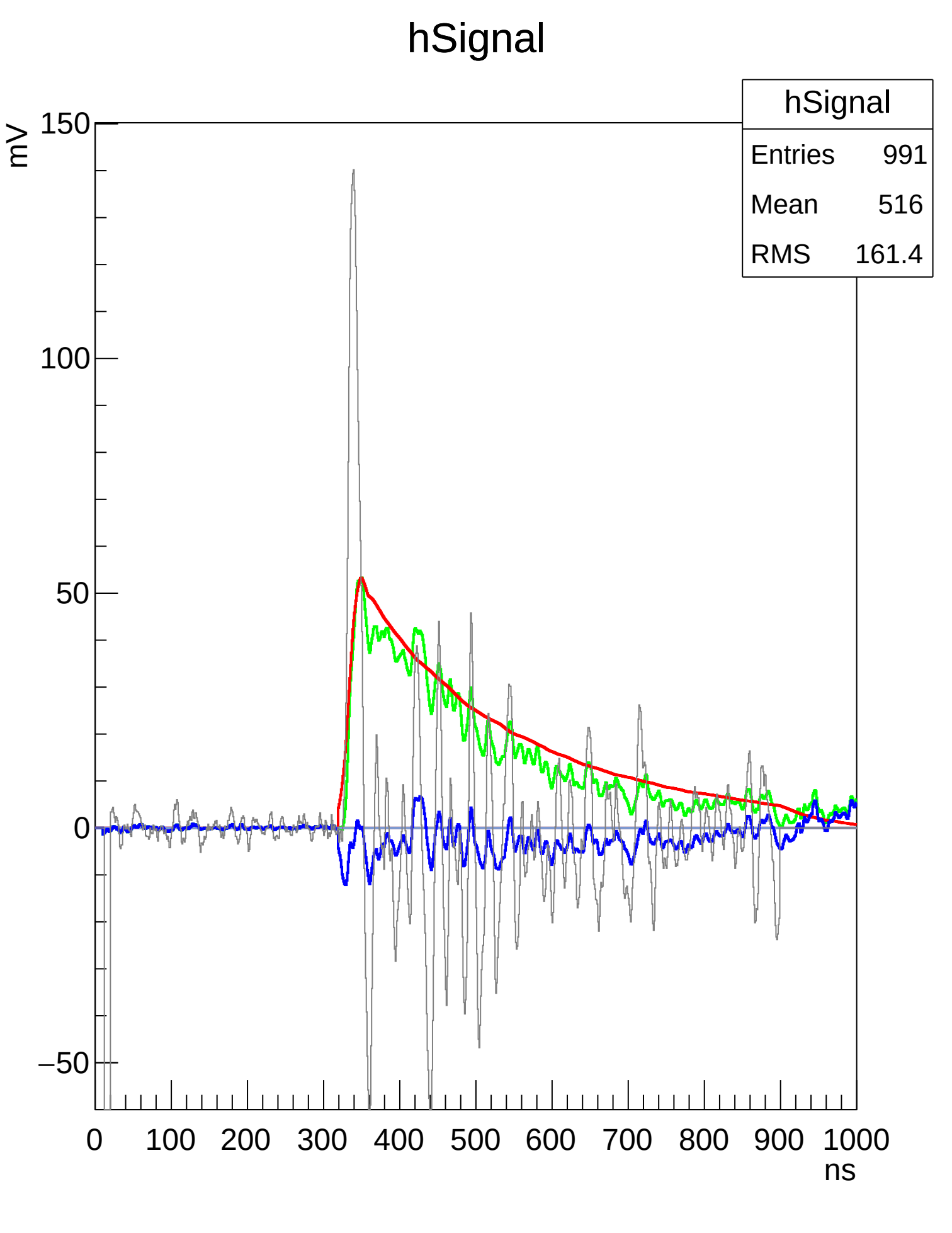
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516
RMS 161.4
mV
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100
50
0
−50
0
100
200
300
400
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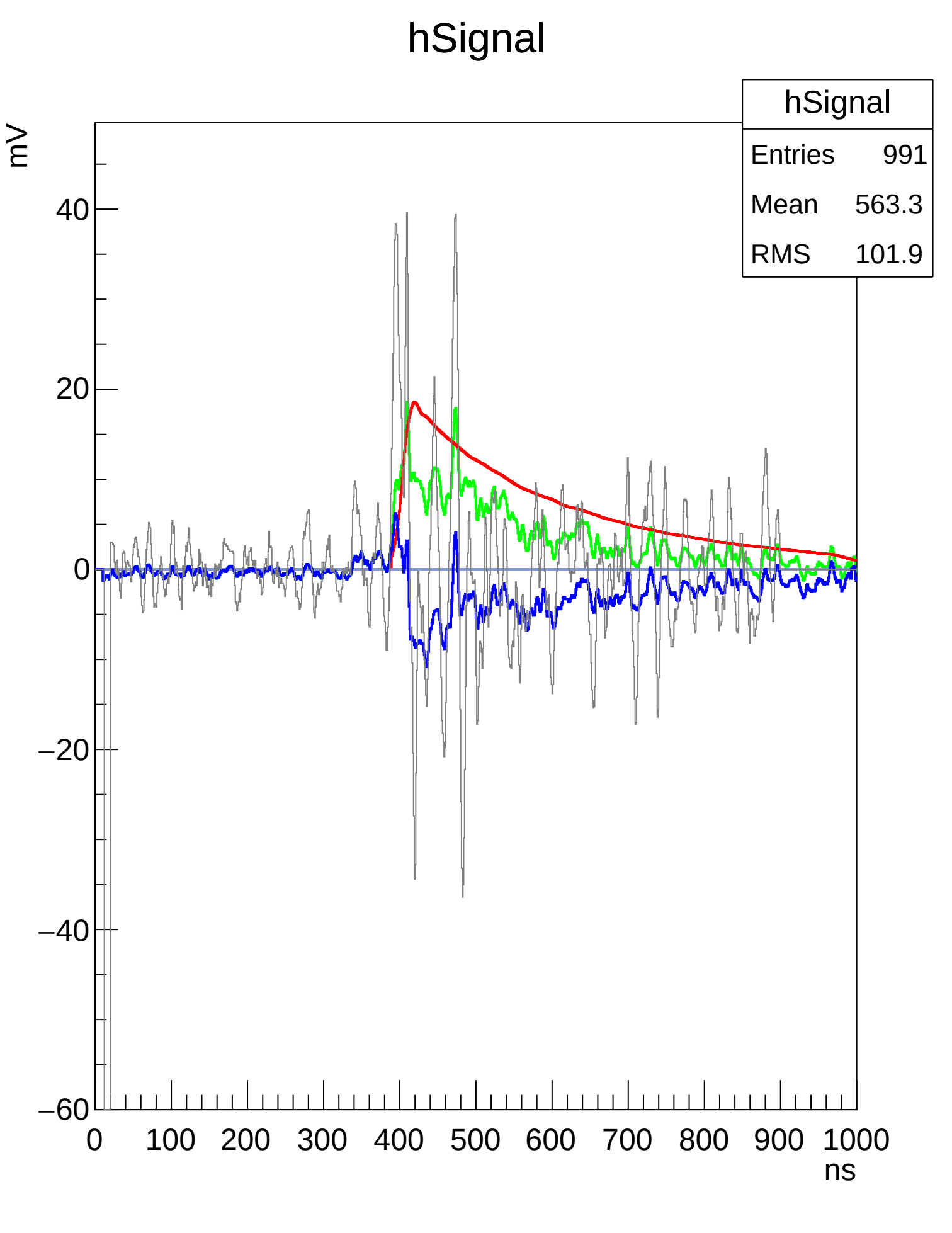
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.3
RMS 101.9
mV
40
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0
−20
−40
−60
0
100
200
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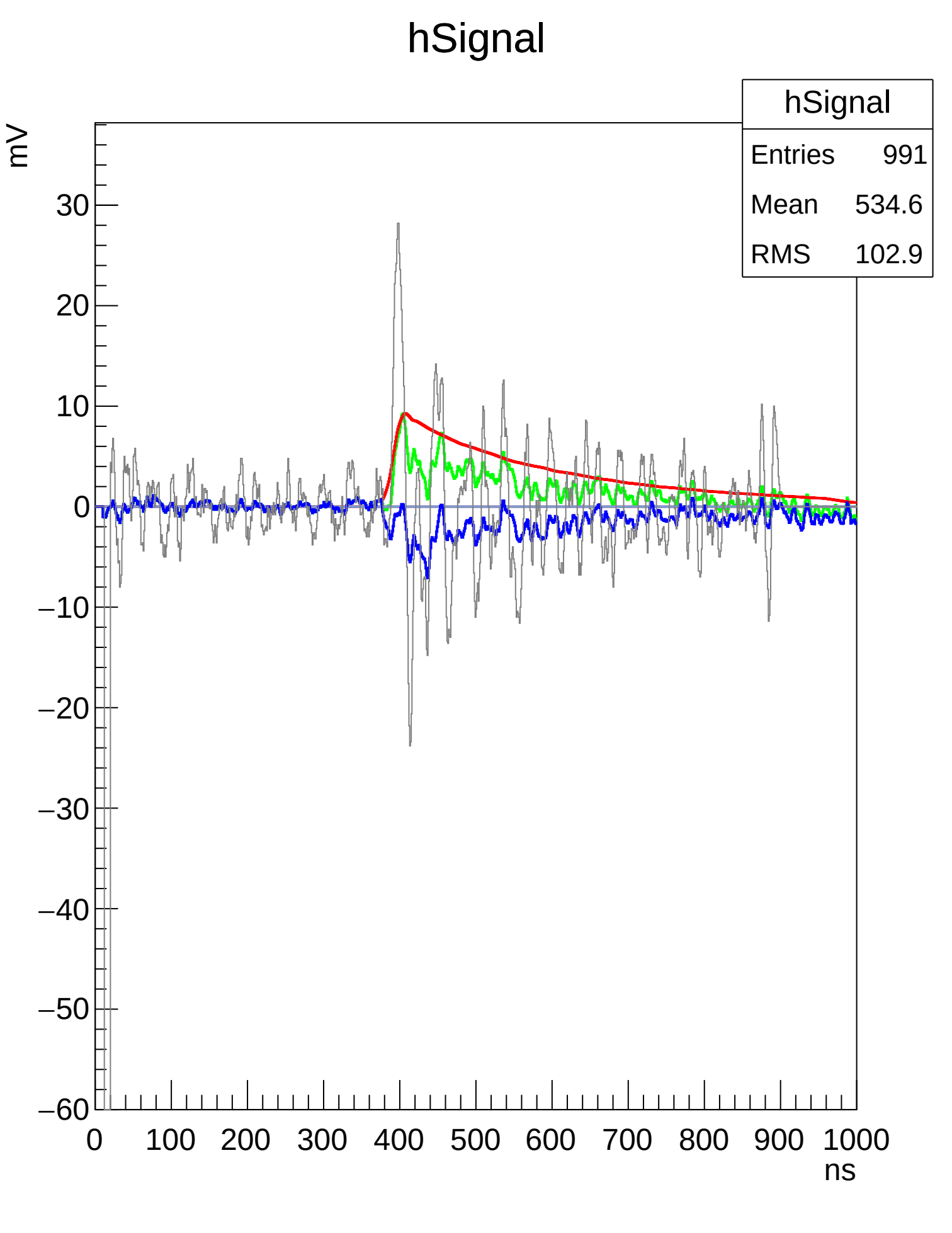
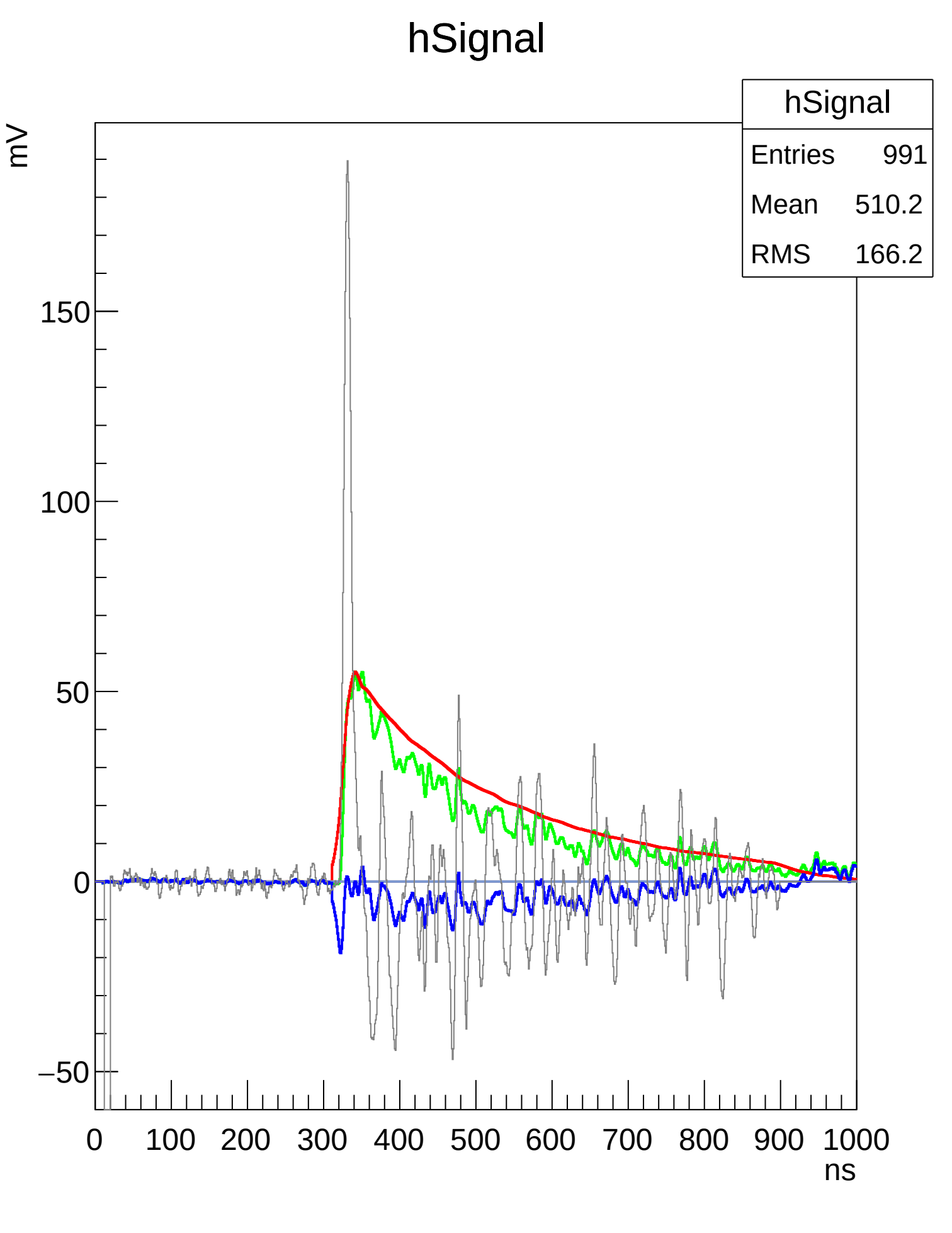
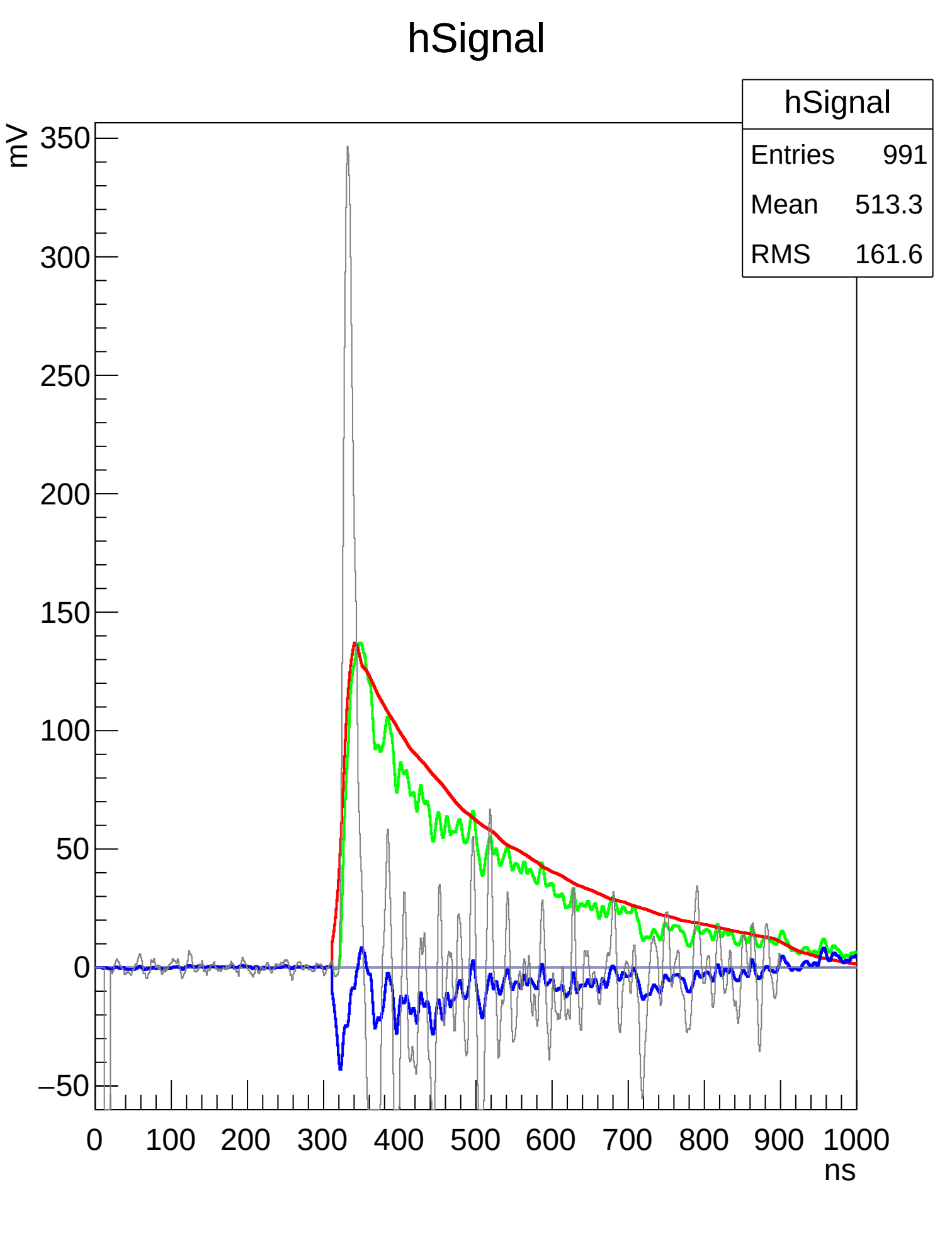
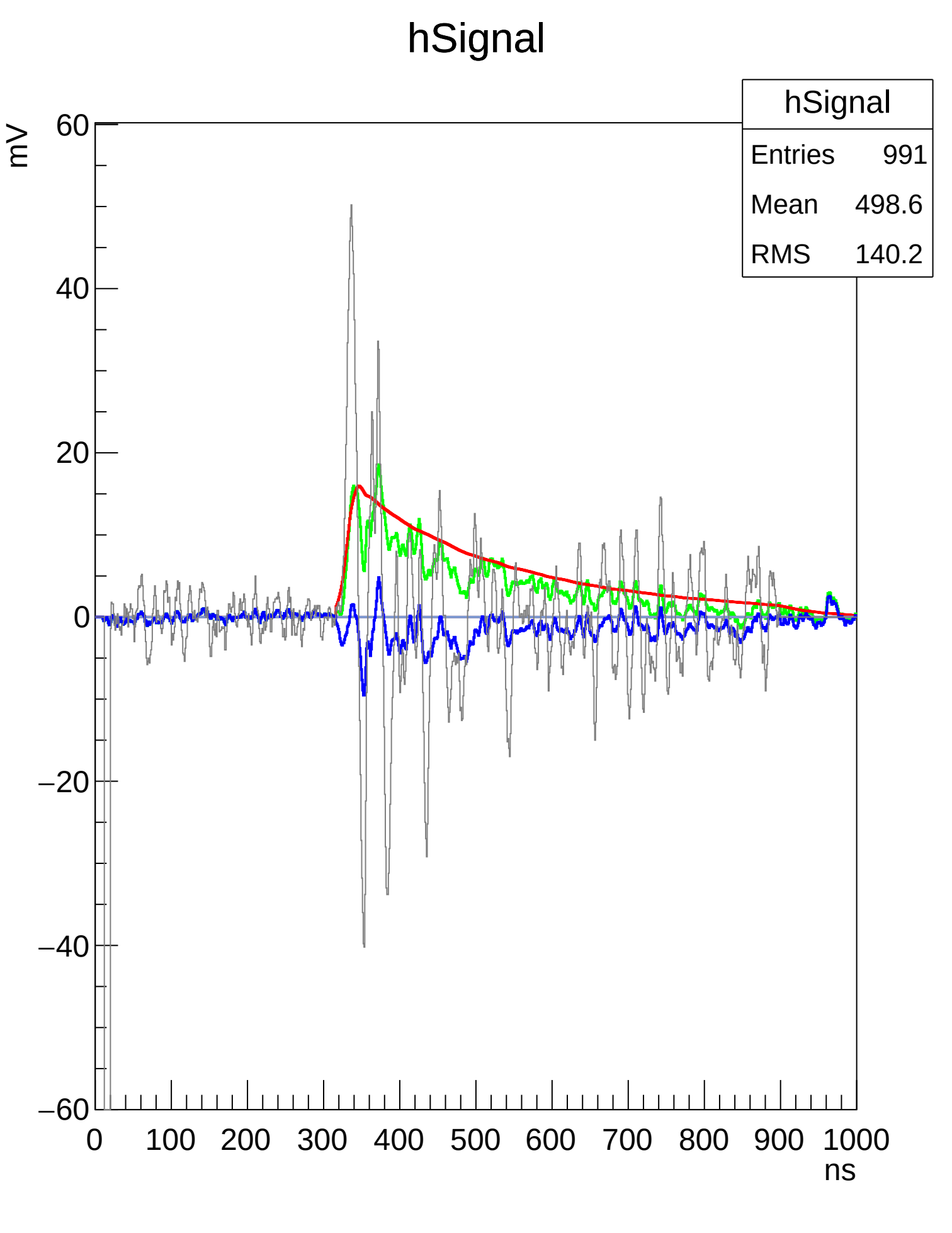
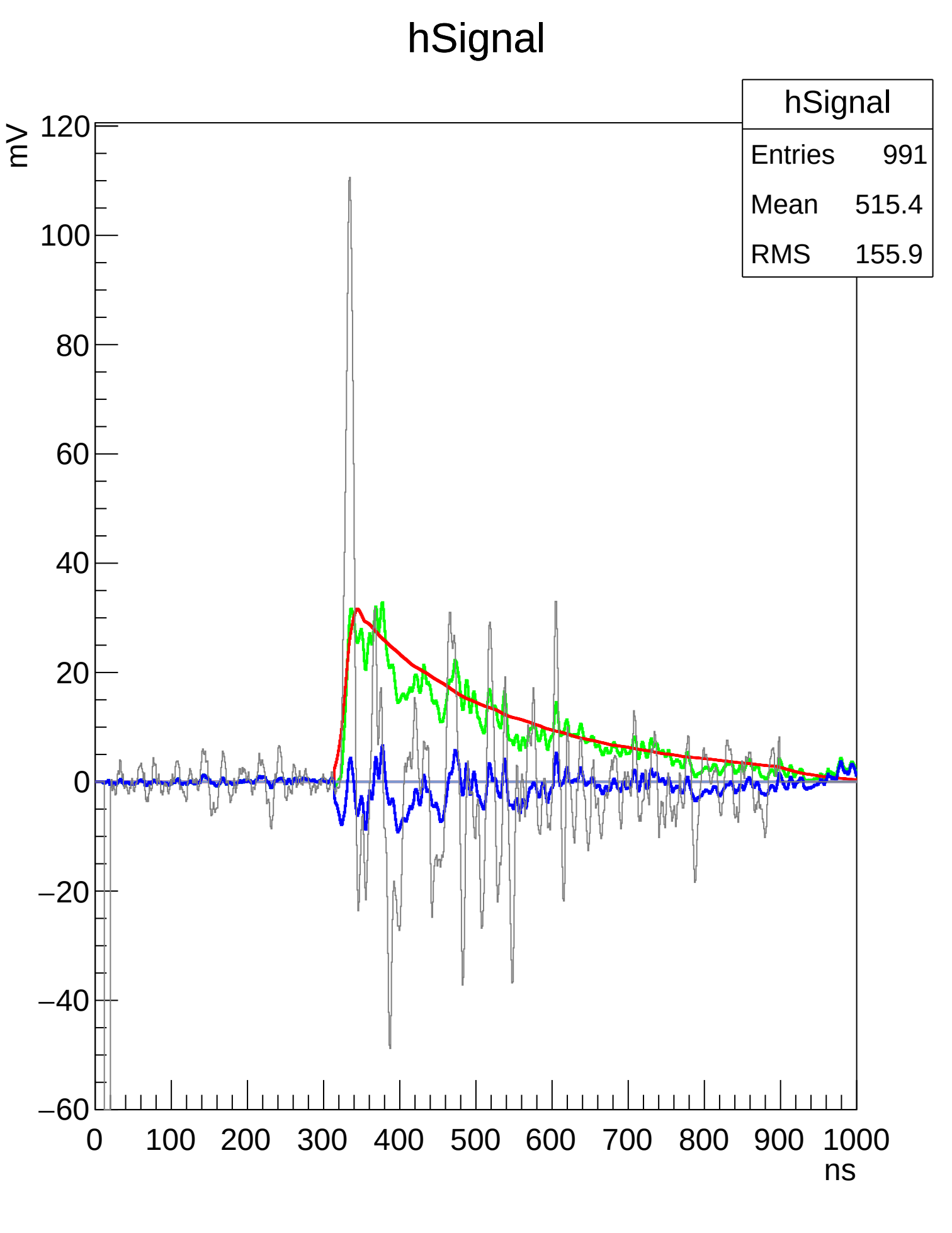
600
700
800
900
1000
ns

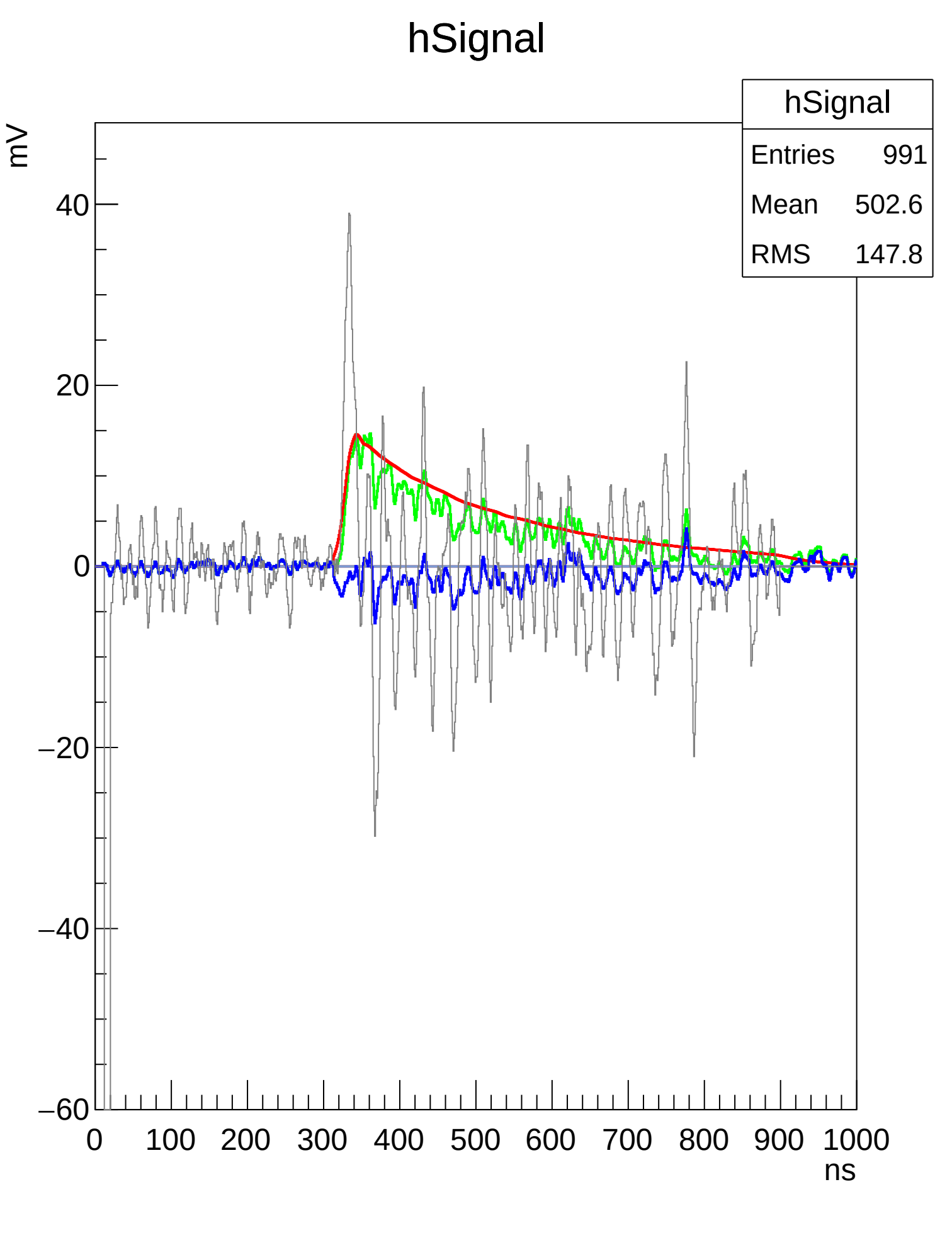

hSignal
hSignal
Entries 991
Mean 534.6
RMS 102.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.2
RMS 166.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.3
RMS 161.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.6
RMS 140.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.4
RMS 155.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.6
RMS 147.8
mV
40
20
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−20
−40
−60
0
100
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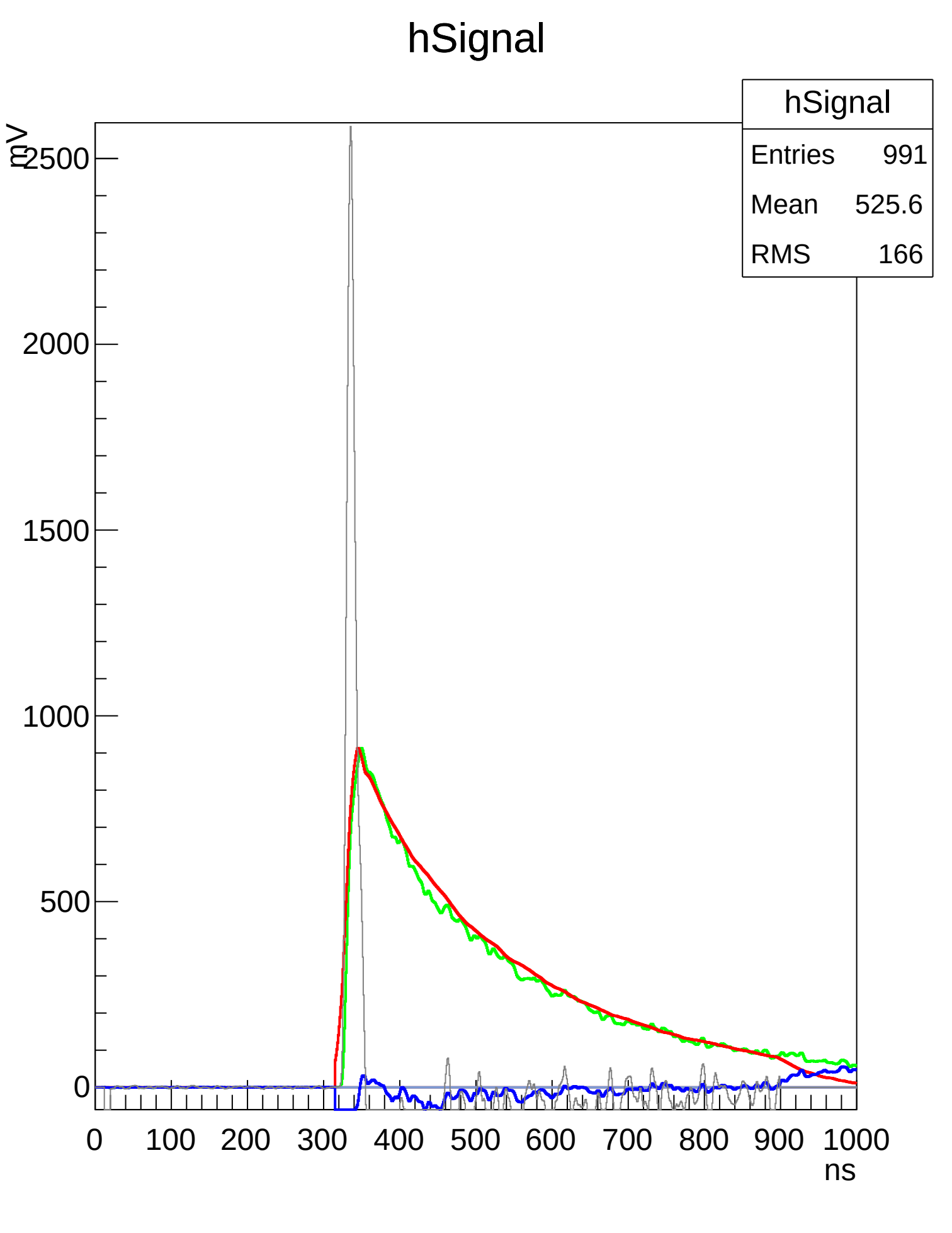
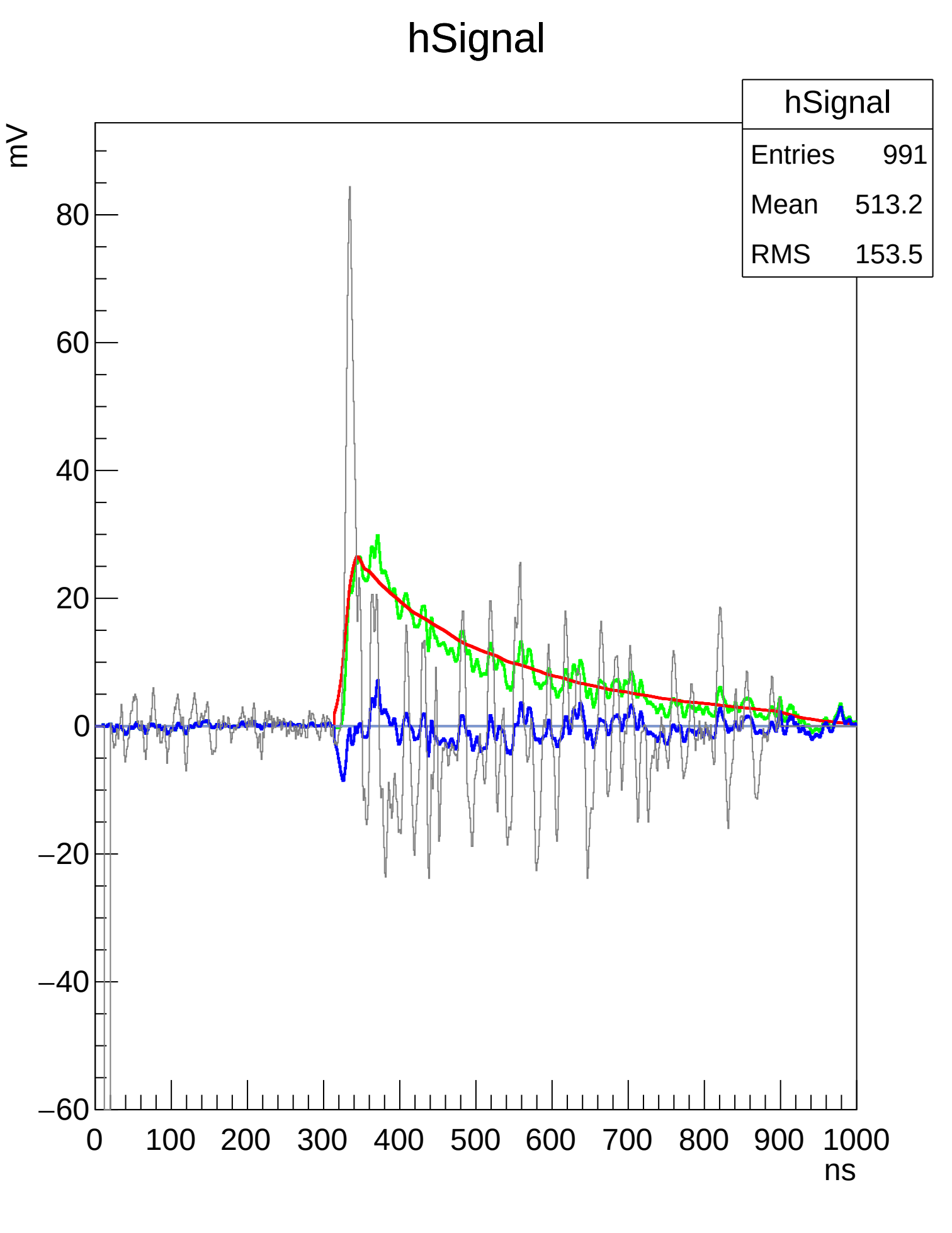
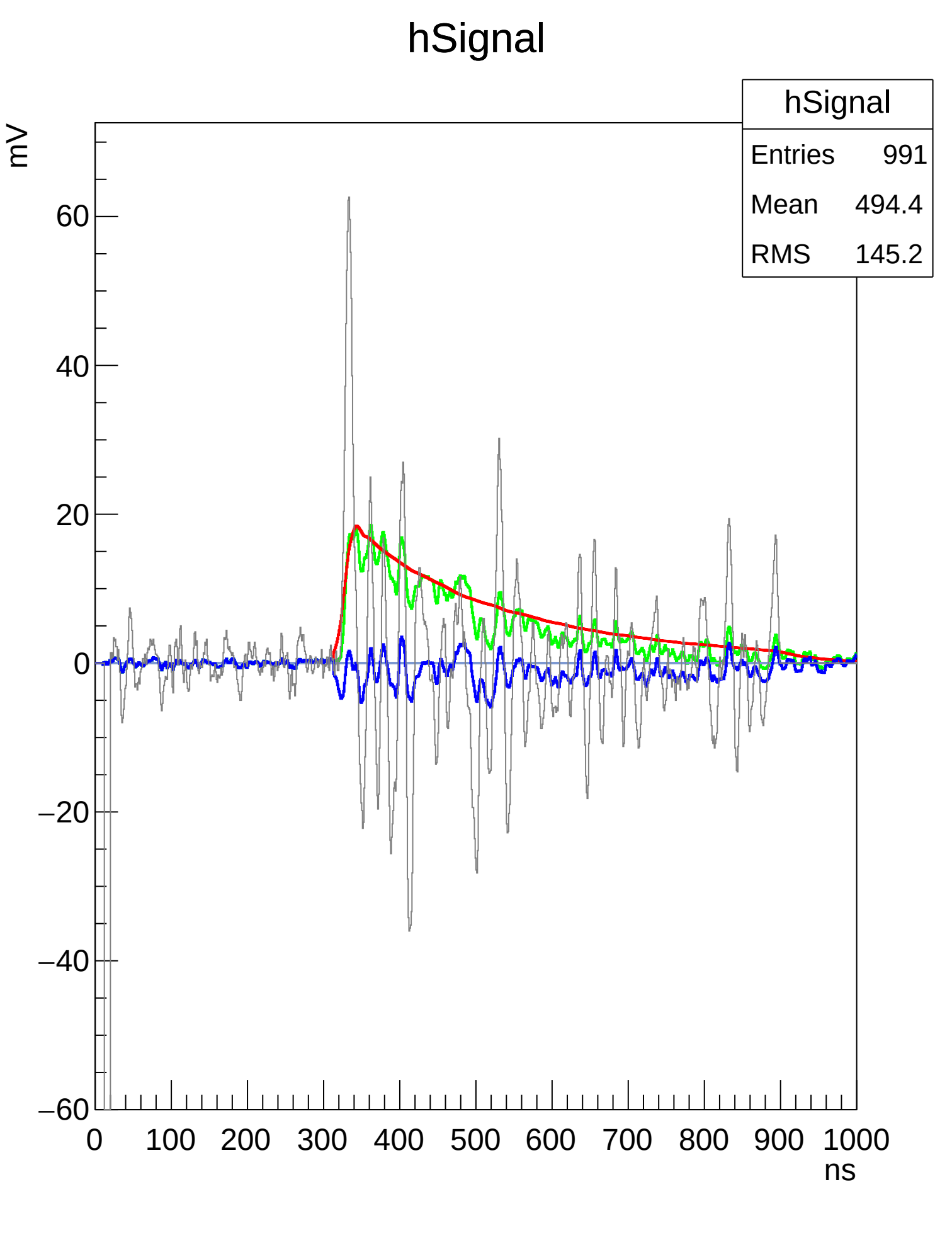
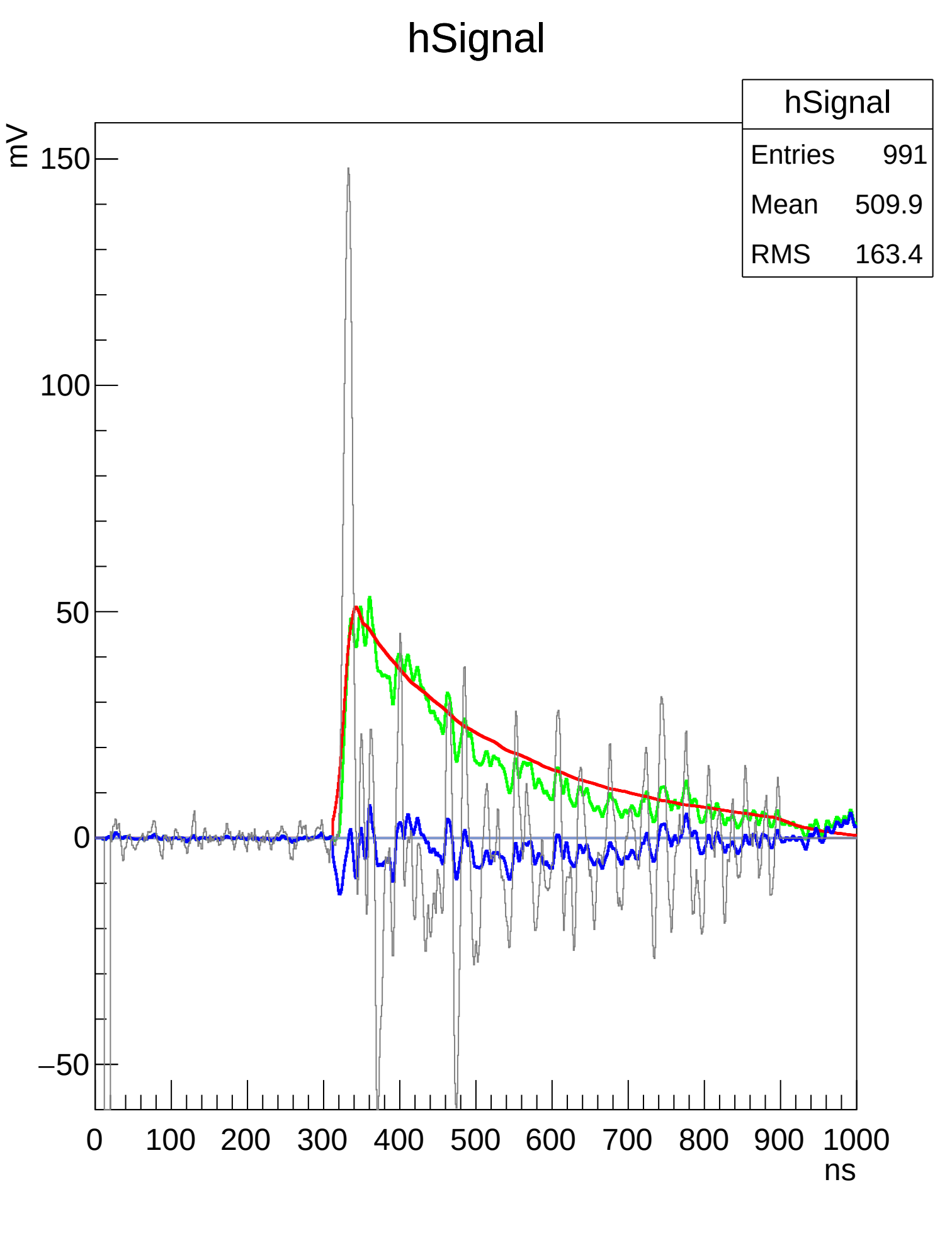
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.6
RMS 166
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.2
RMS 153.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.4
RMS 145.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.9
RMS 163.4
mV
150
100
50
0
−50
0
100
200
300
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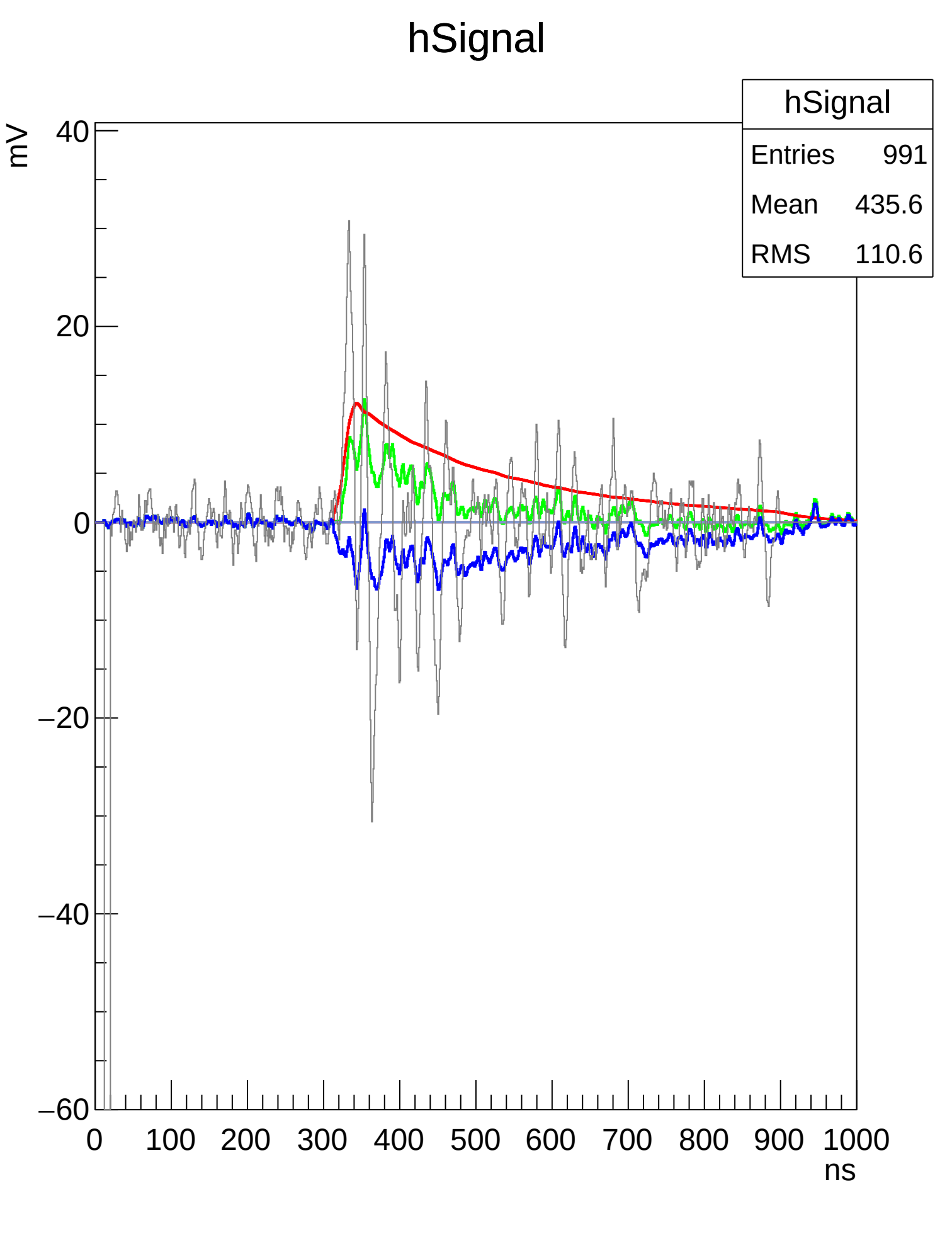
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 435.6
RMS 110.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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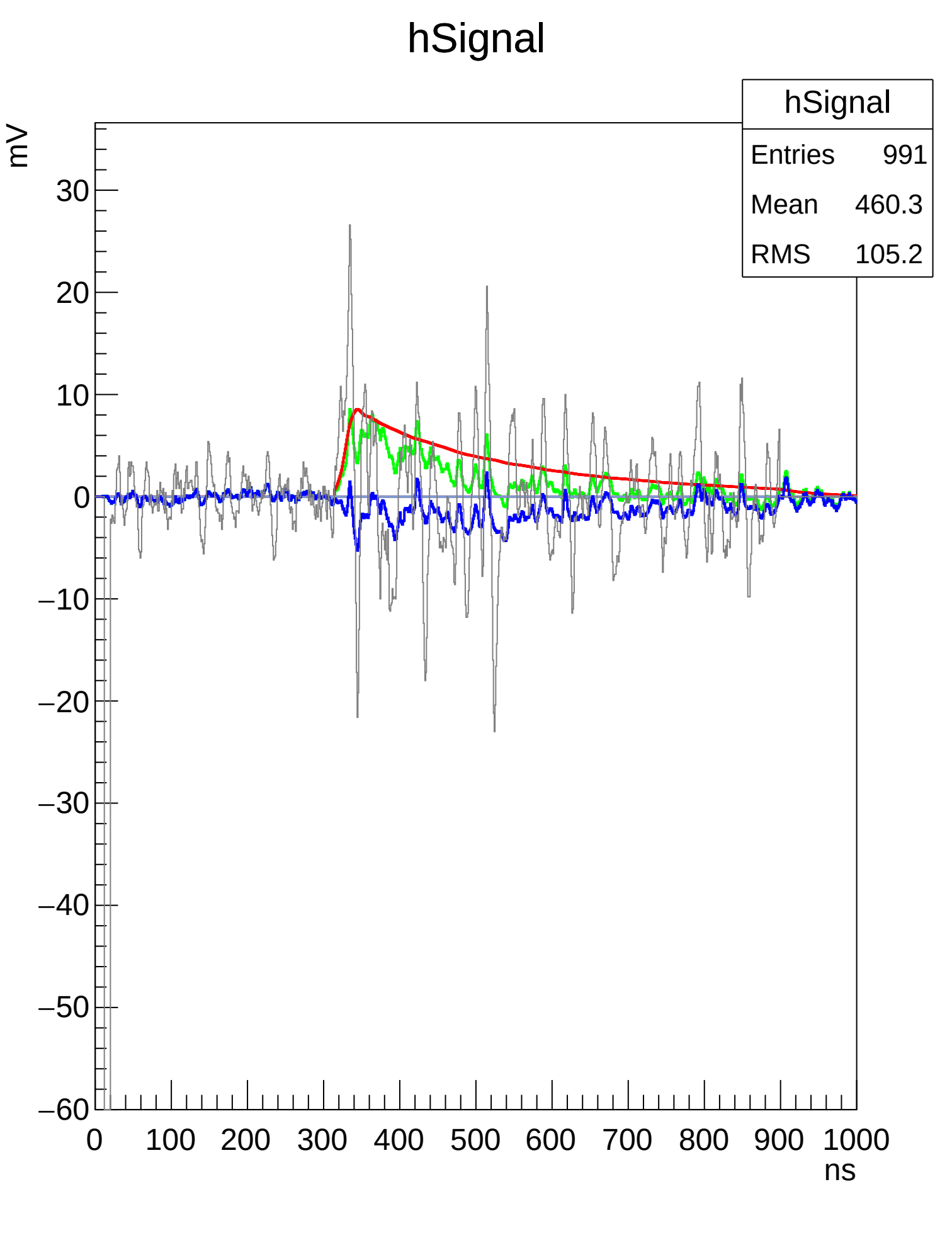
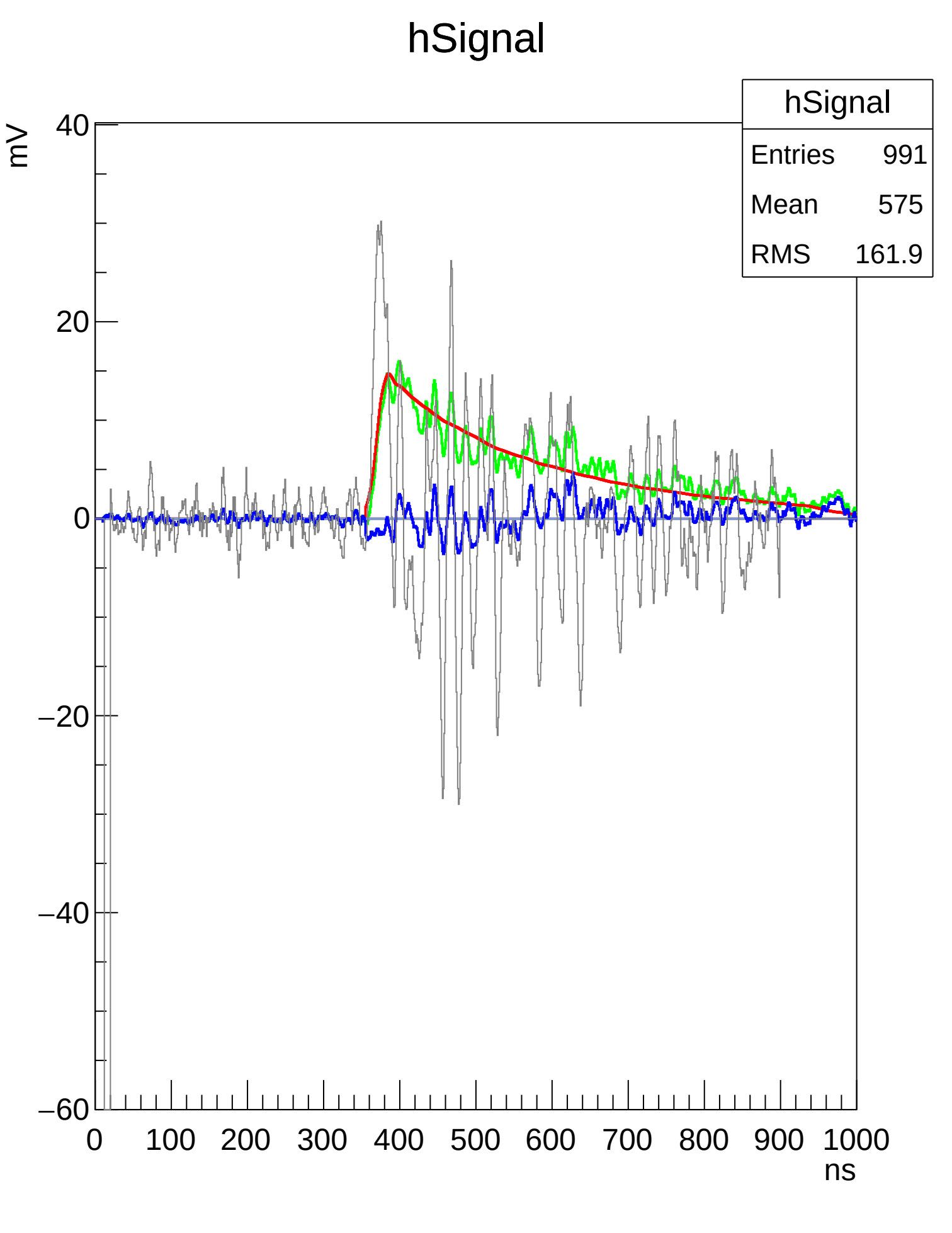
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 460.3
RMS 105.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575
RMS 161.9
mV
40
20
0
−20
−40
−60
0
100
200
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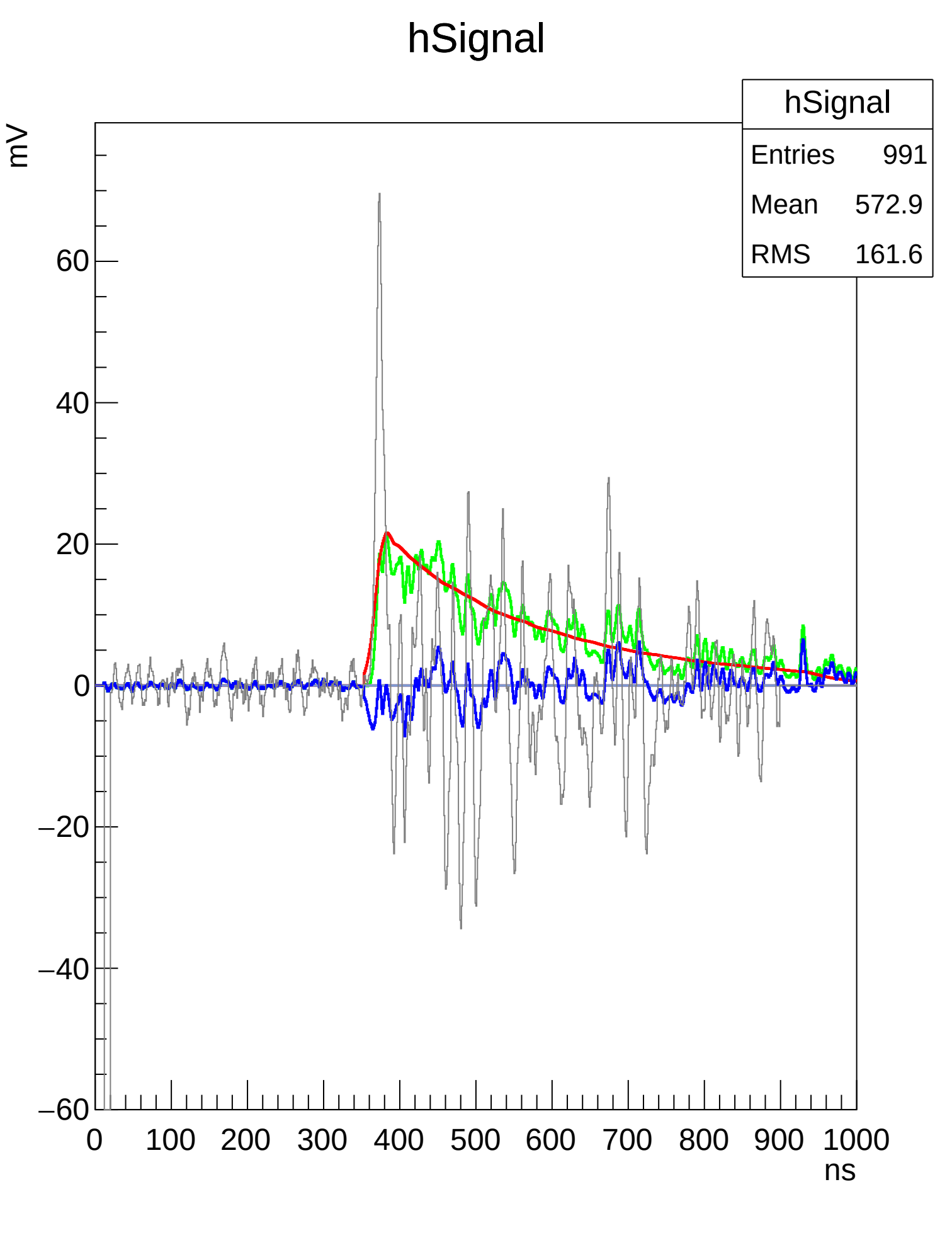
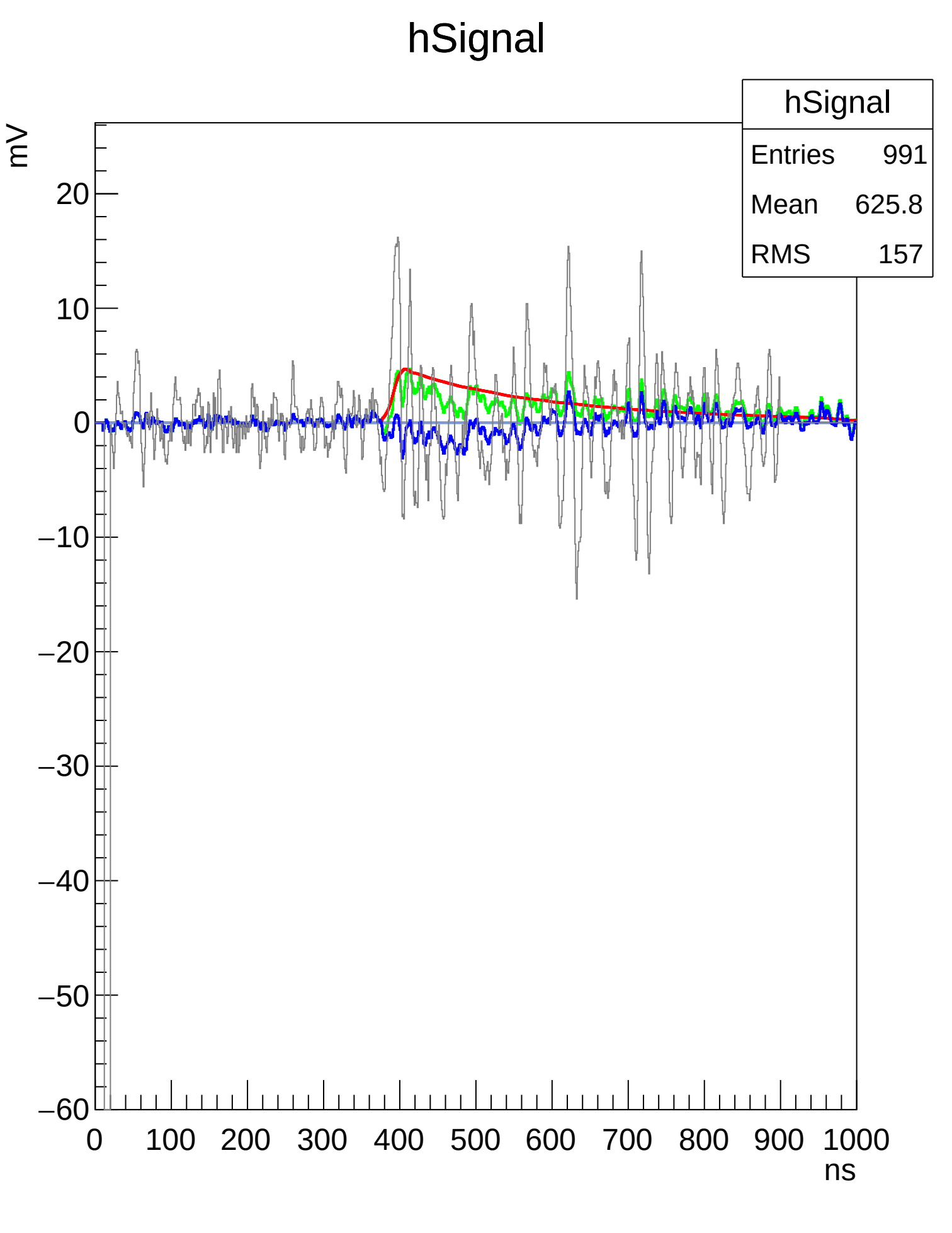
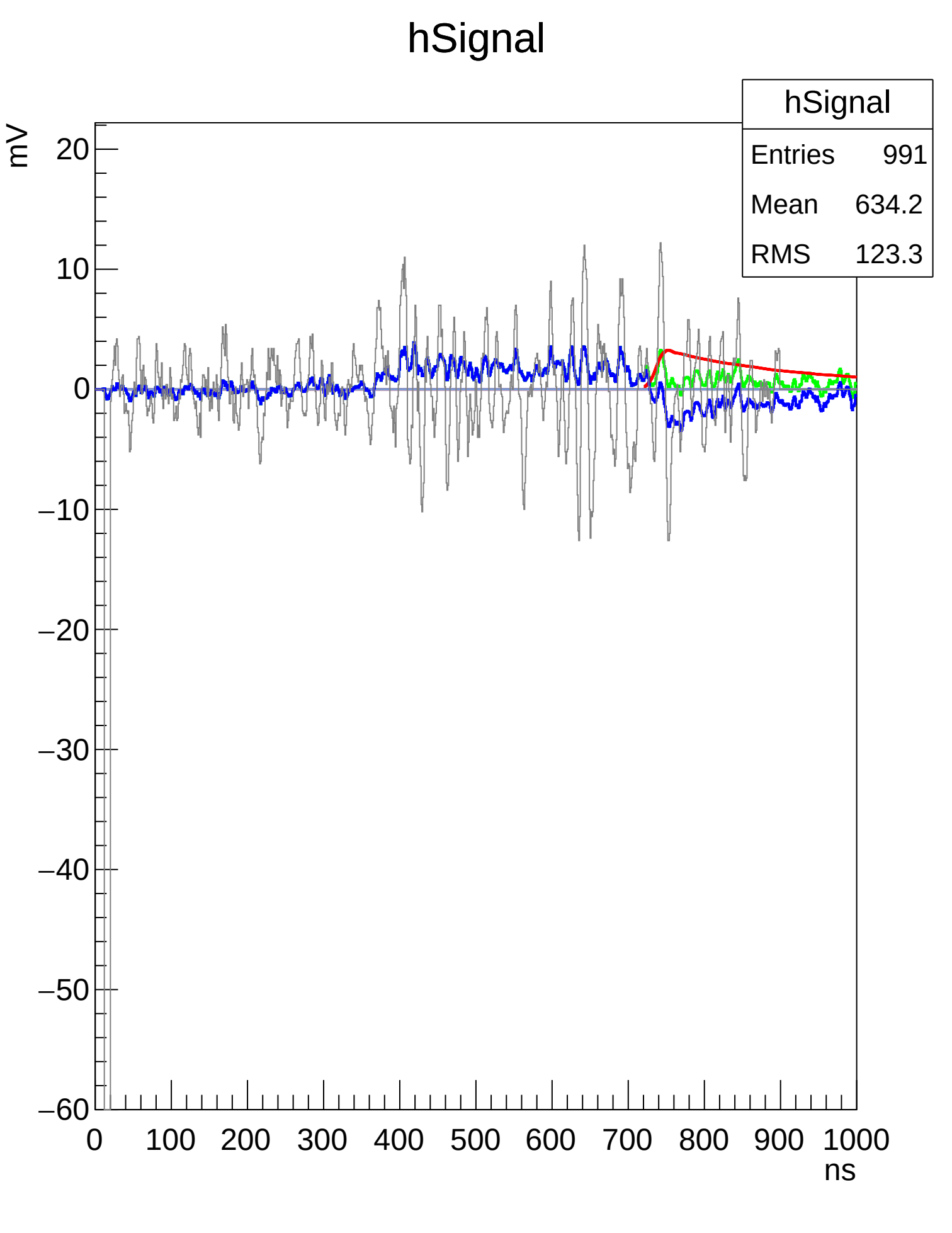
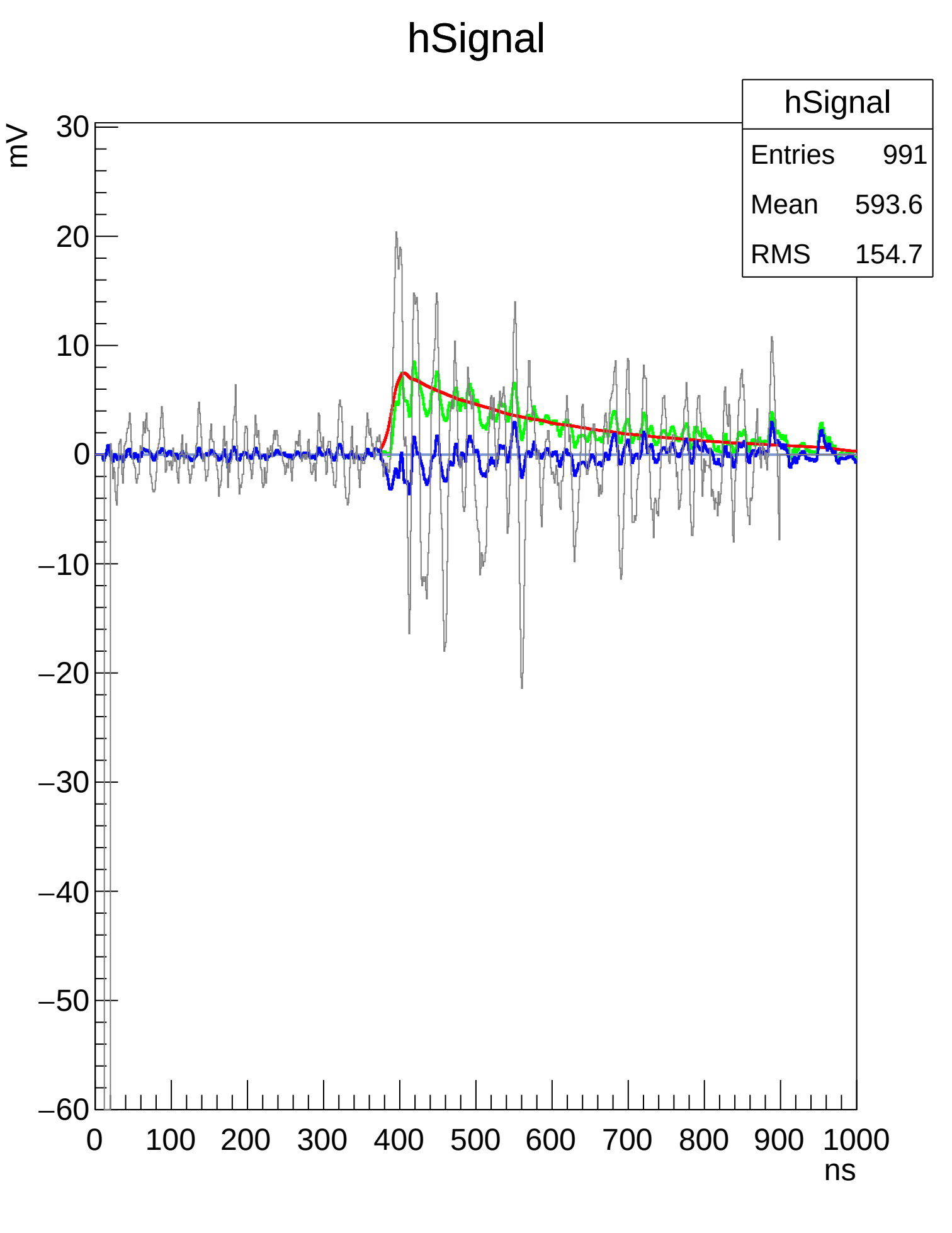
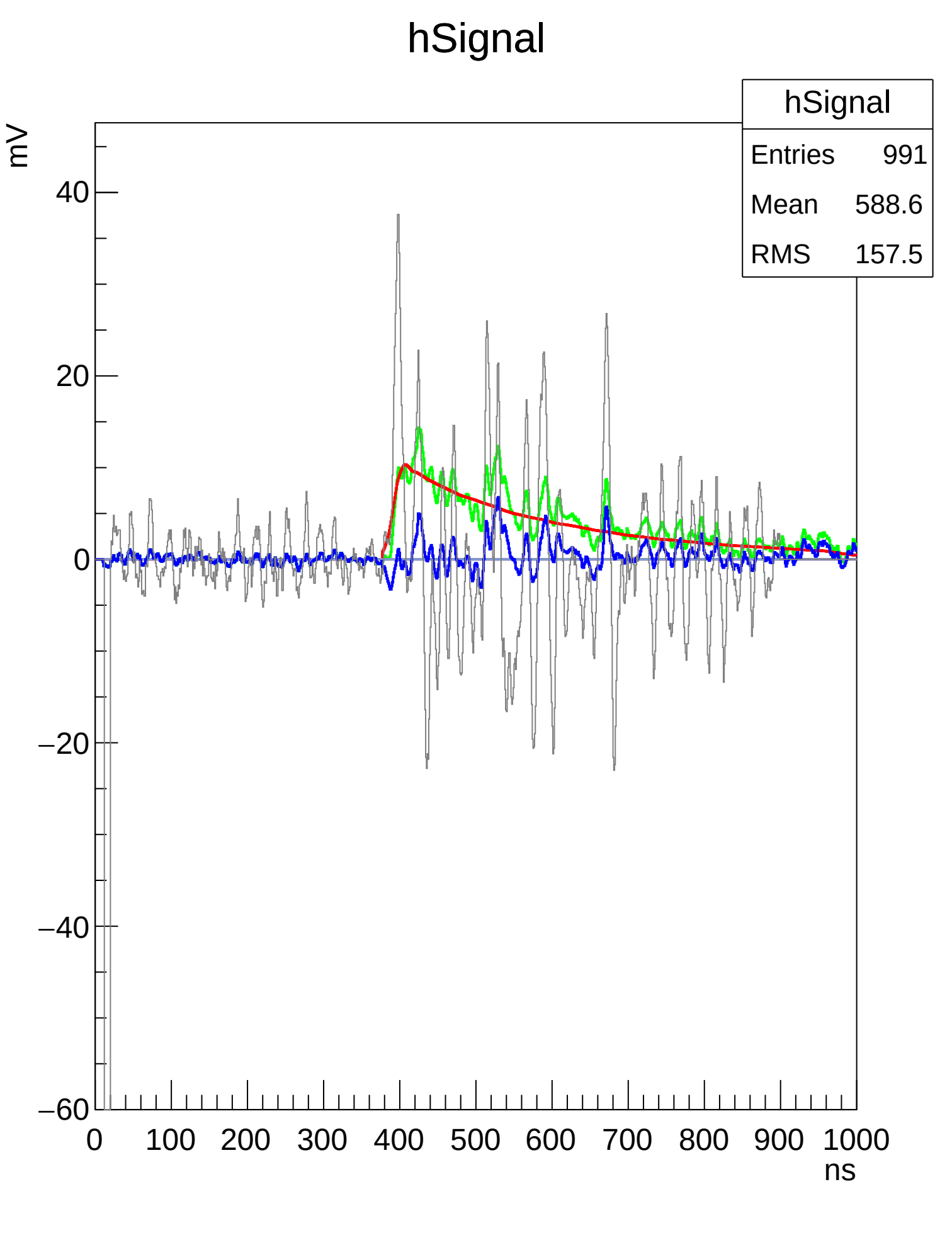
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.9
RMS 161.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.8
RMS 157
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 634.2
RMS 123.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 154.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.6
RMS 157.5
mV
40
20
0
−20
−40
−60
0
100
200
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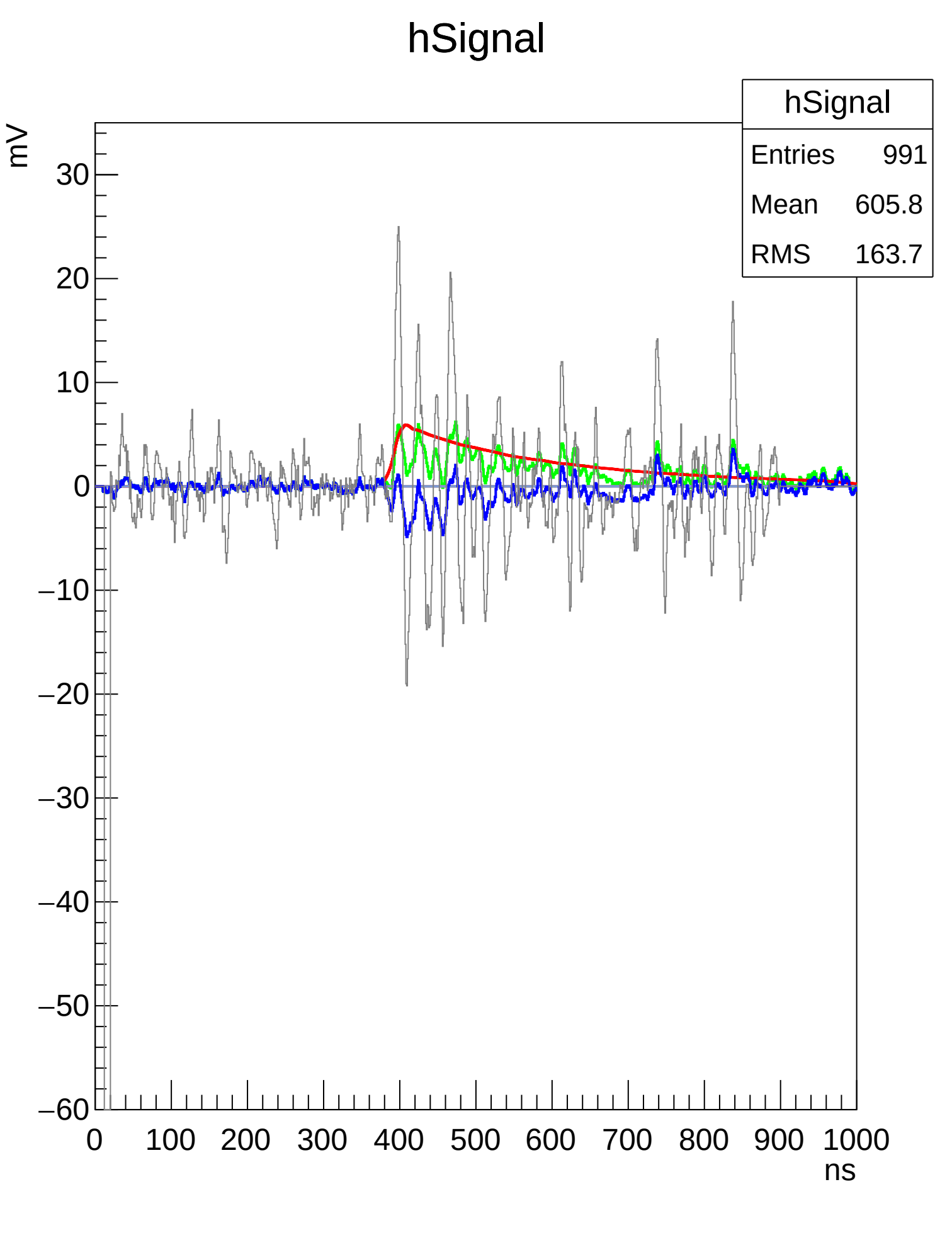
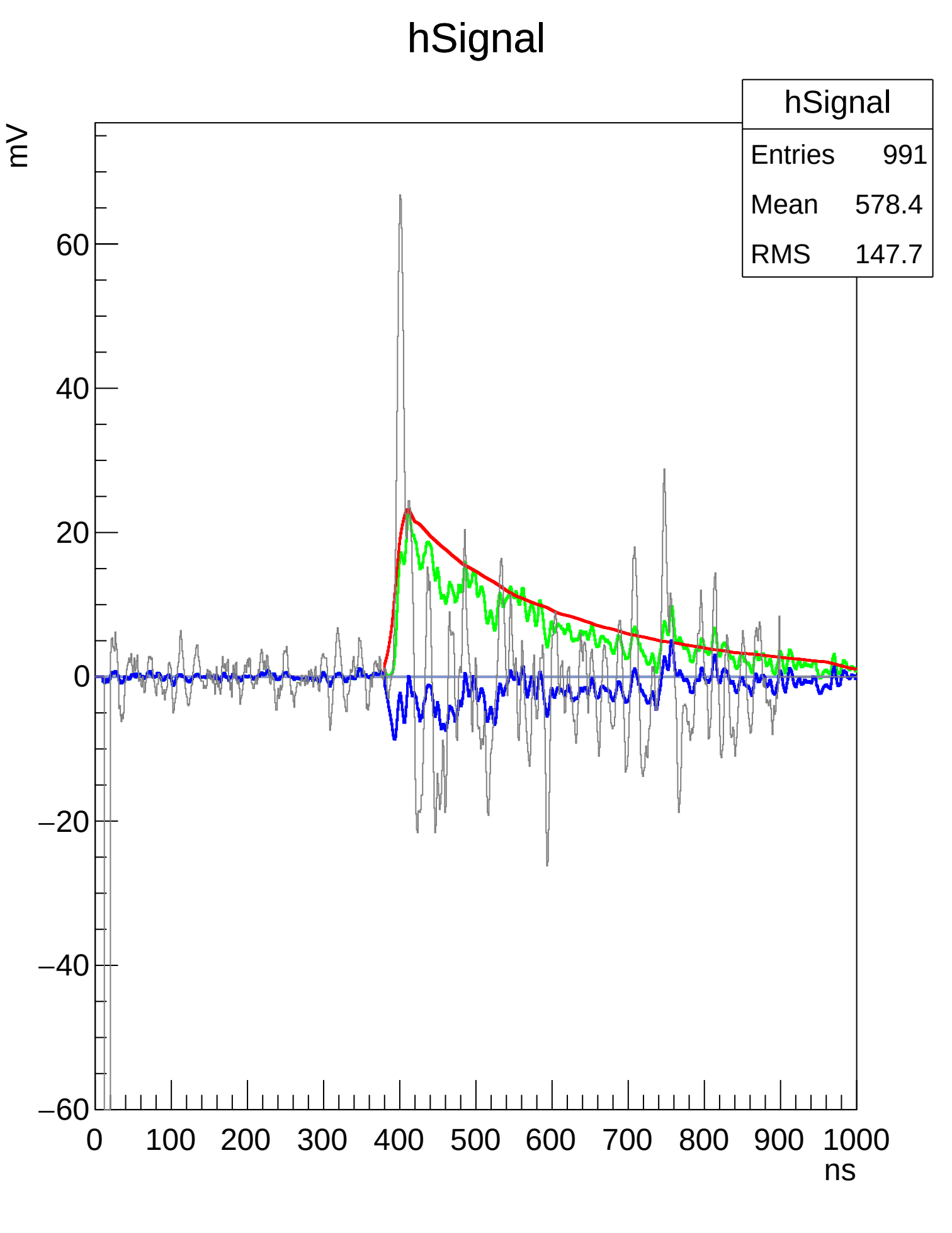
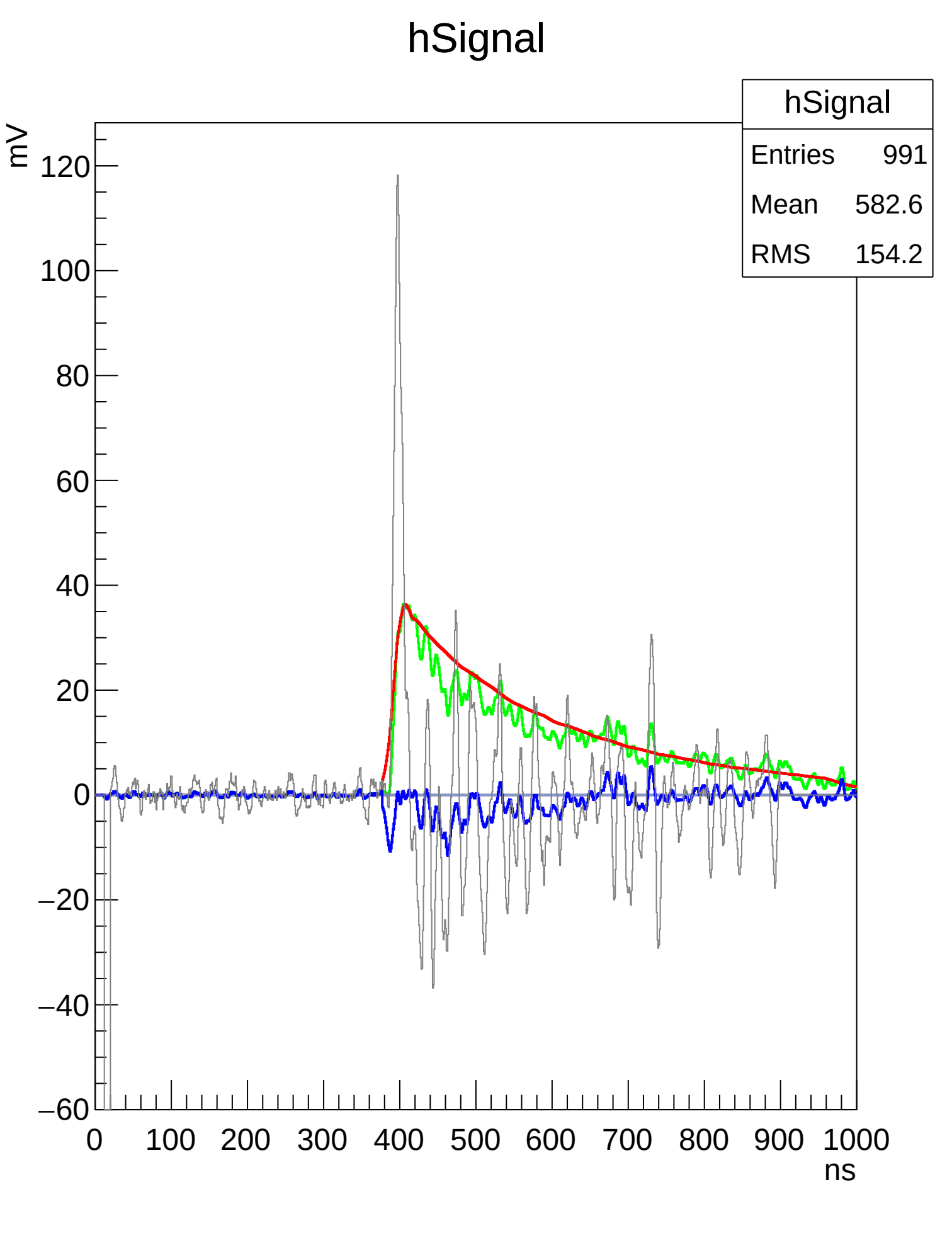
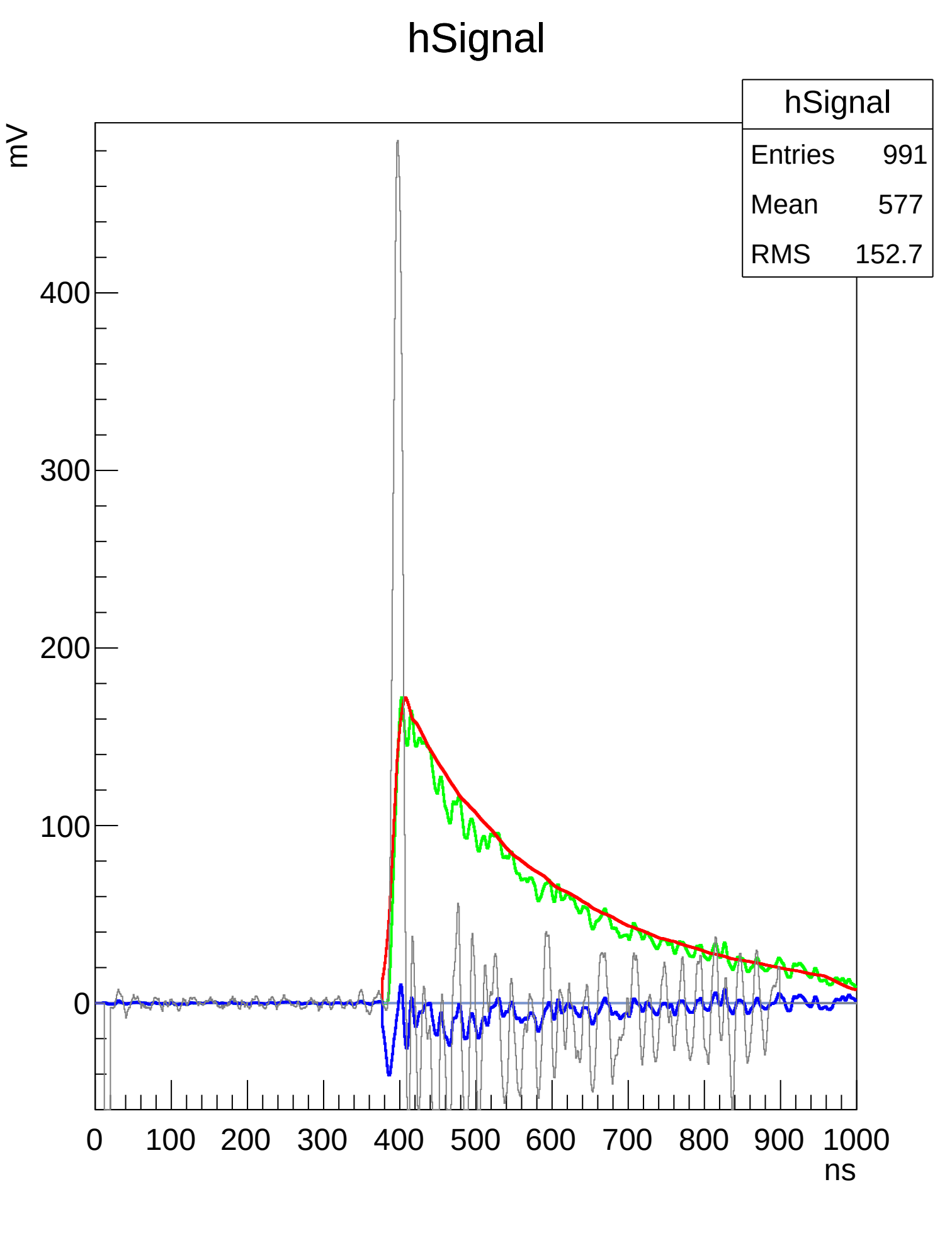
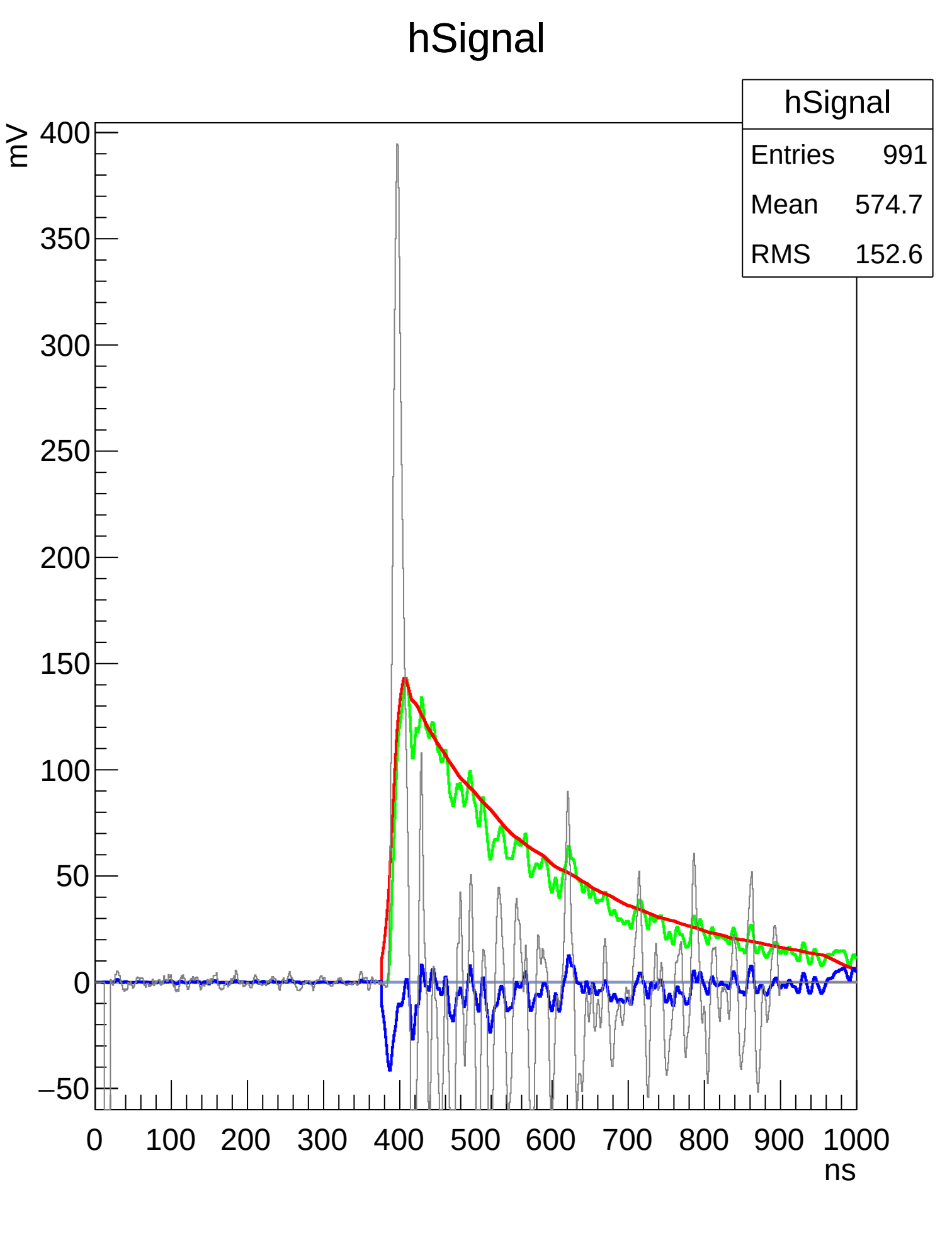
400
500
600
700
800
900
1000
ns

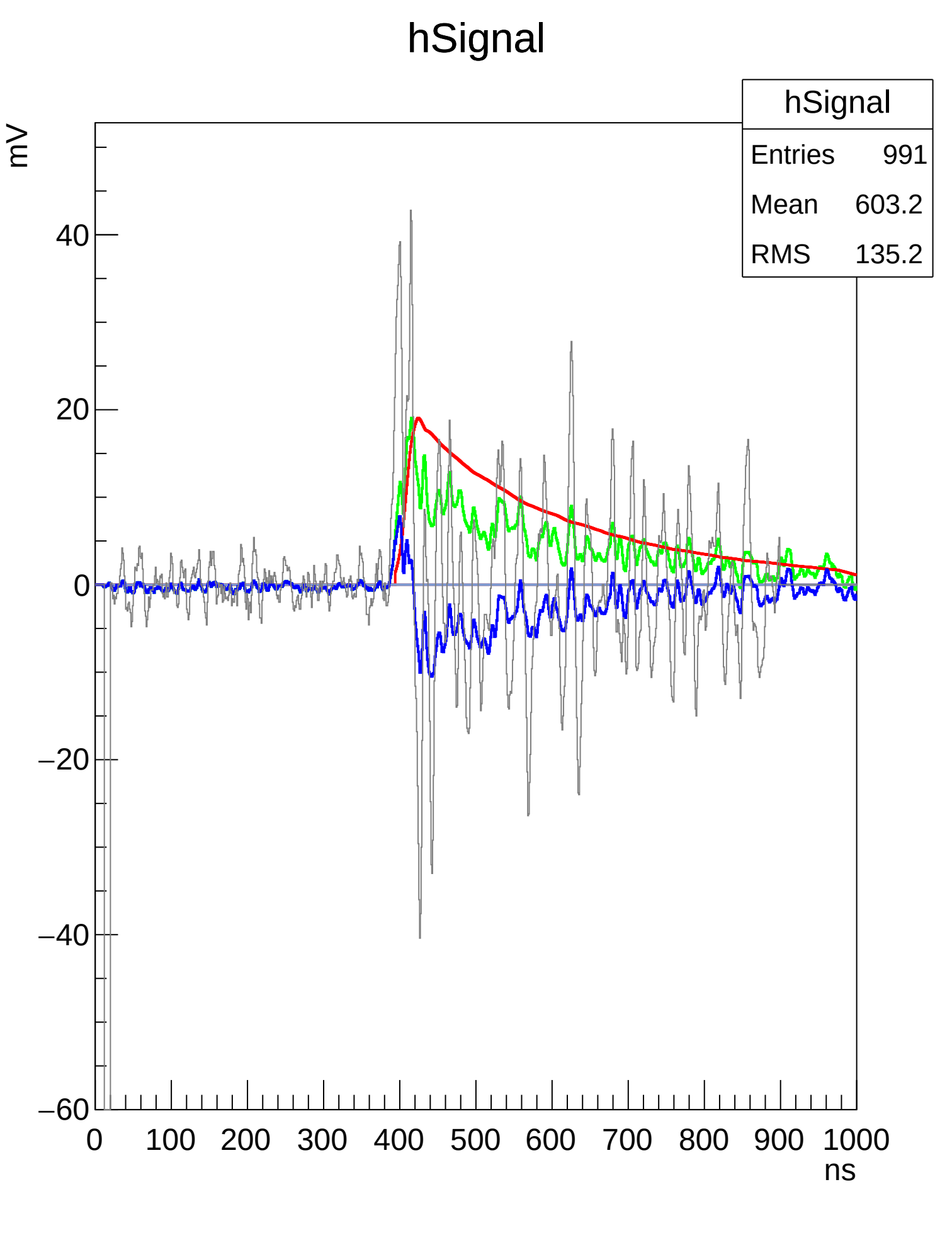

hSignal
hSignal
Entries 991
Mean 605.8
RMS 163.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.4
RMS 147.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.6
RMS 154.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 152.7
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 574.7
RMS 152.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.2
RMS 135.2
mV
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0
−20
−40
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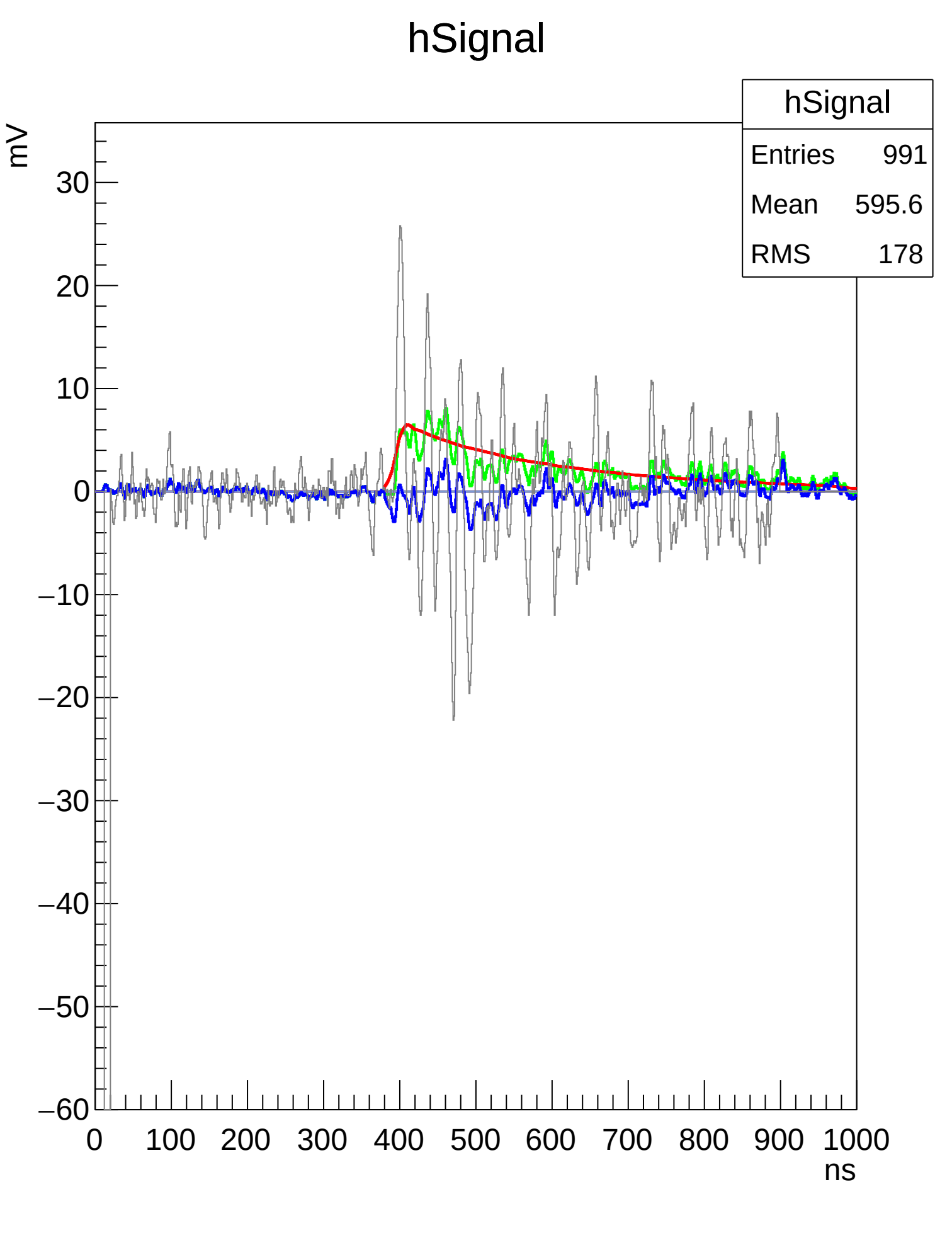
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.6
RMS 178
mV
30
20
10
0
−10
−20
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−40
−50
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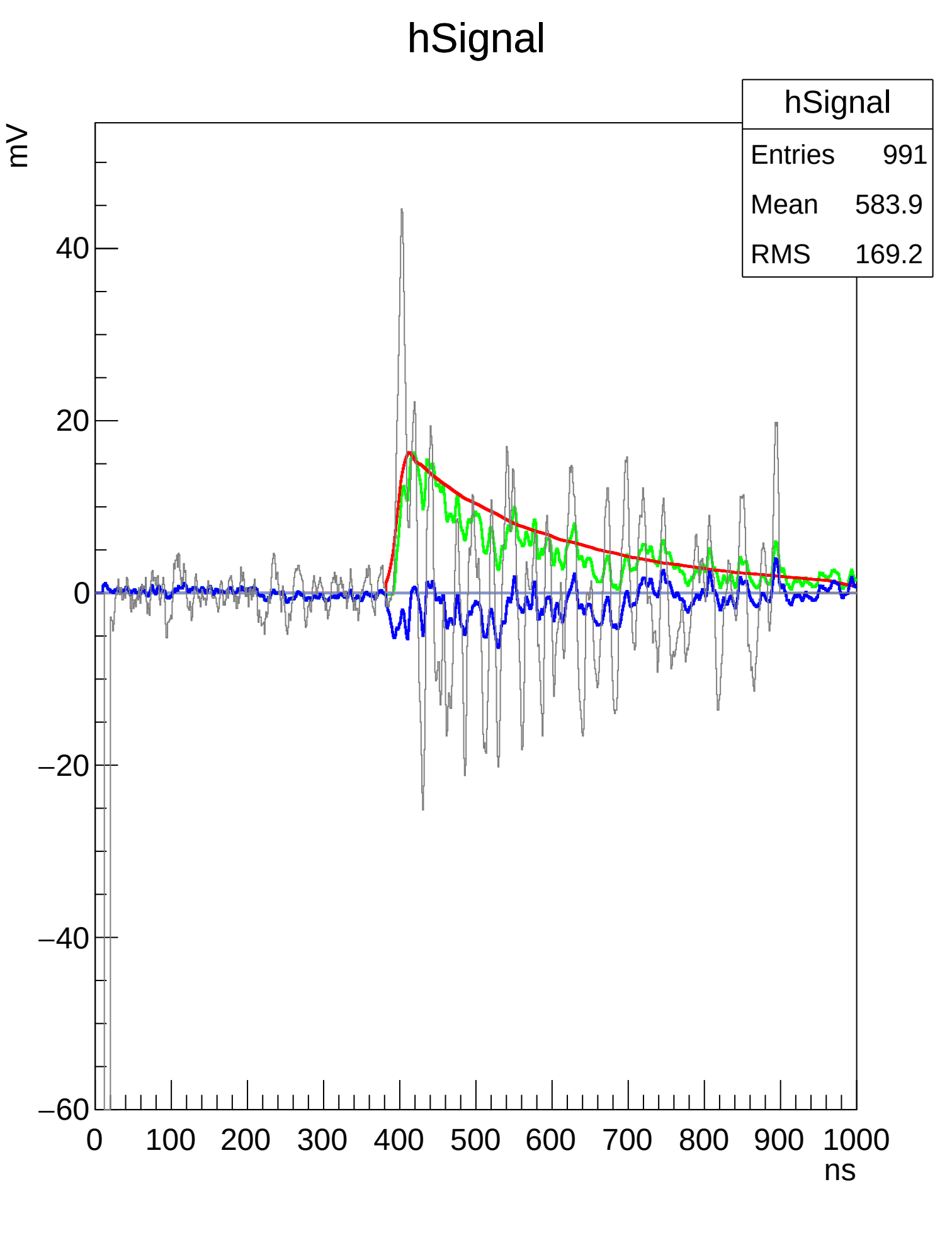
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.9
RMS 169.2
mV
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20
0
−20
−40
−60
0
100
200
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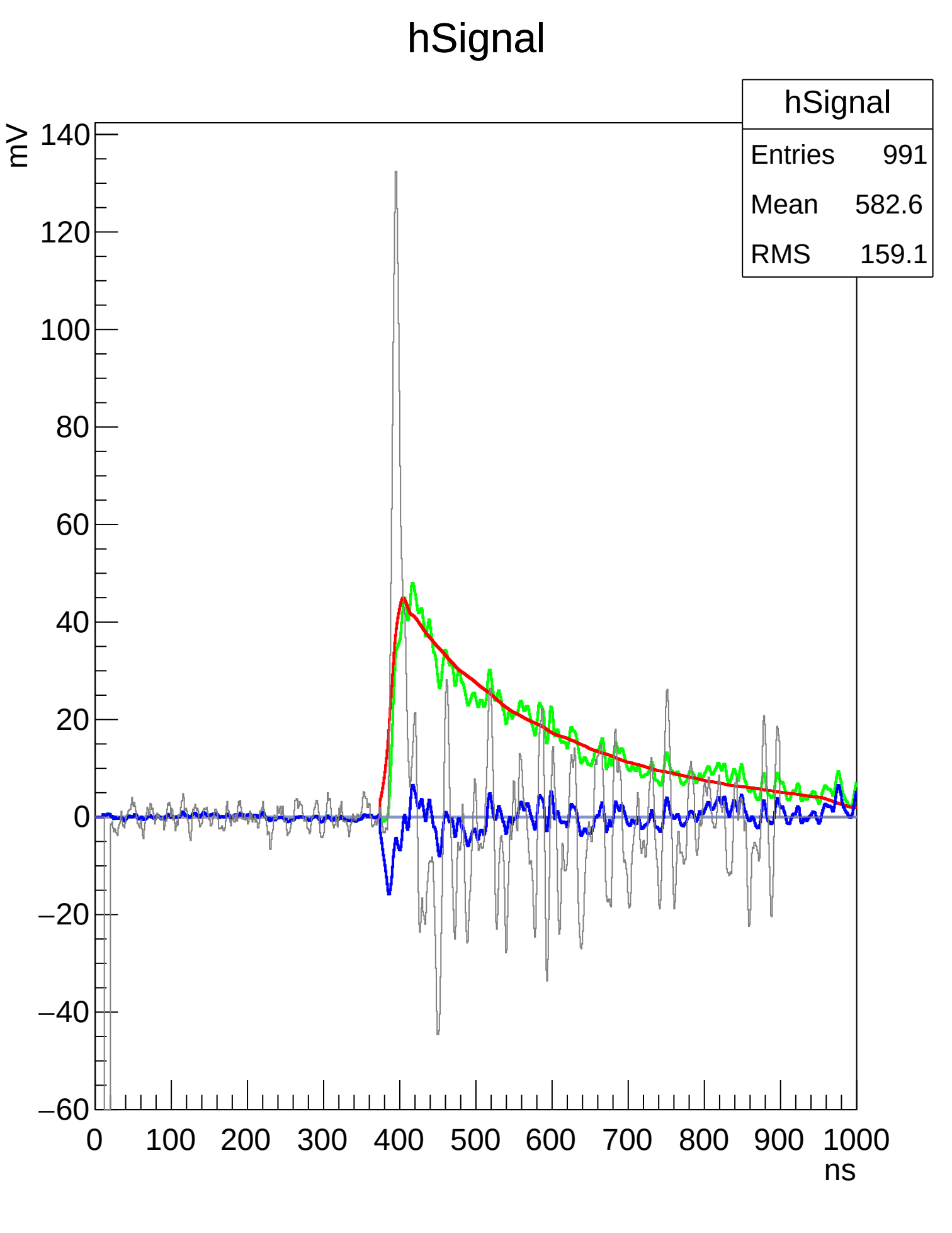
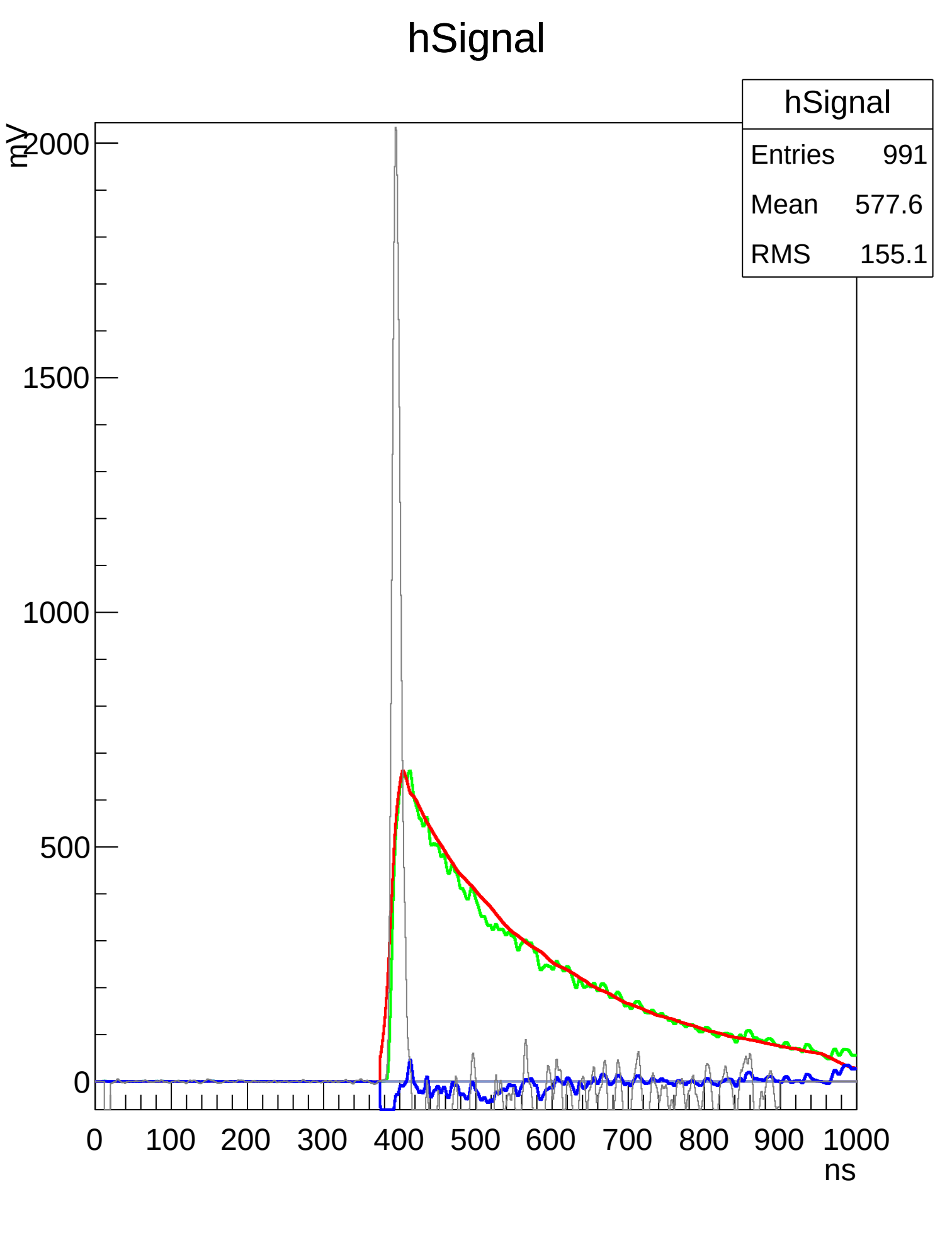
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.6
RMS 159.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.6
RMS 155.1
mV
2000
1500
1000
500
0
0
100
200
300
400
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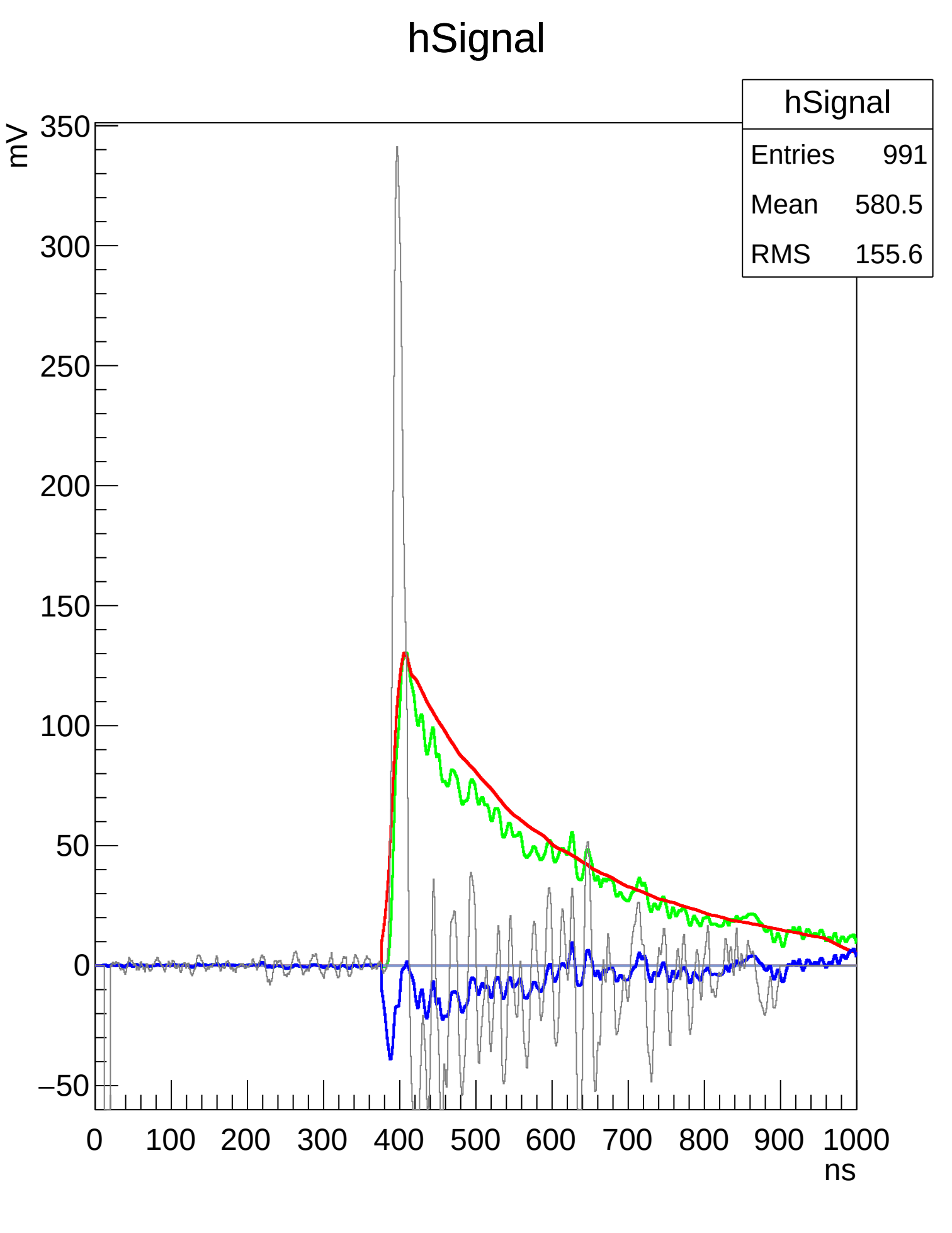
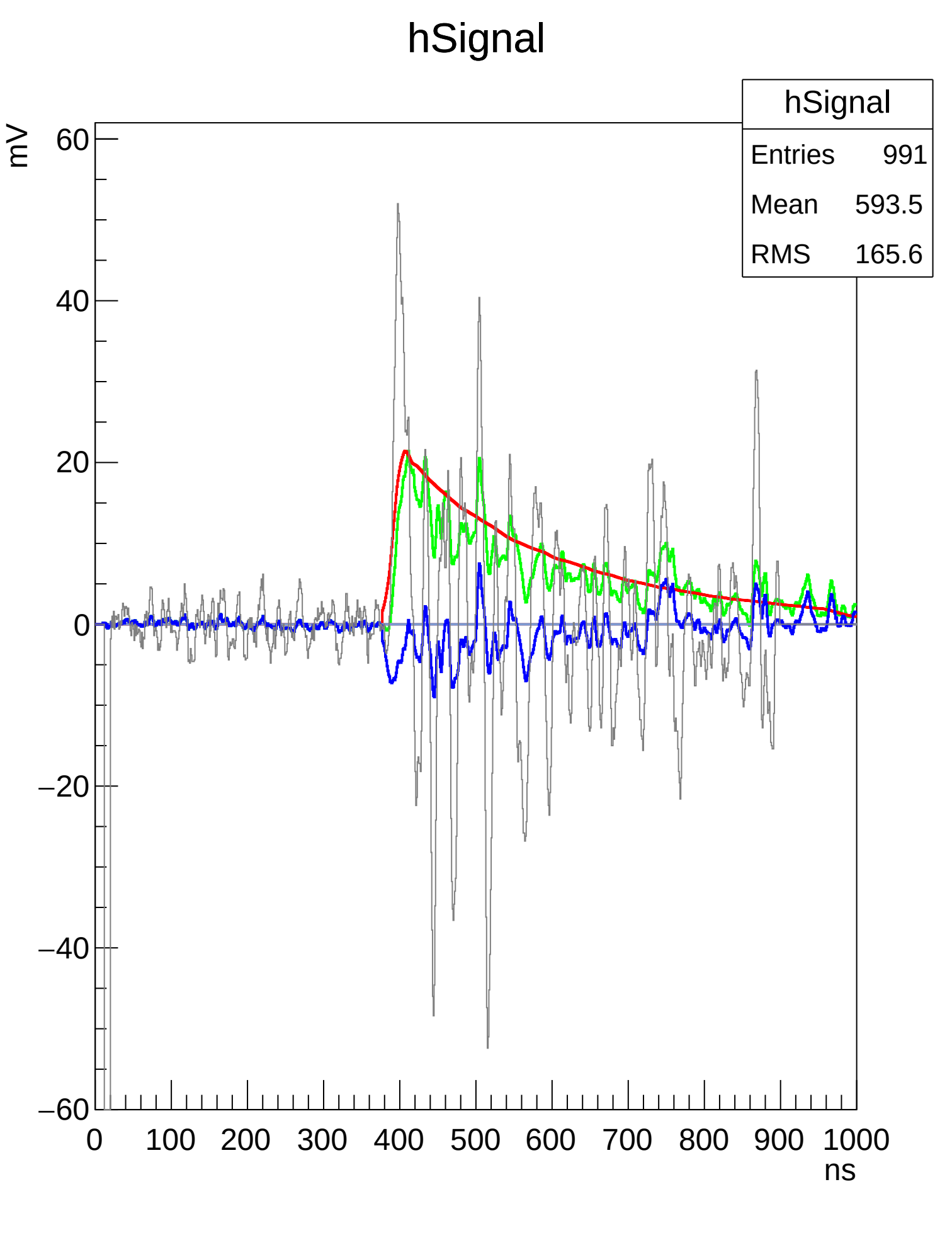
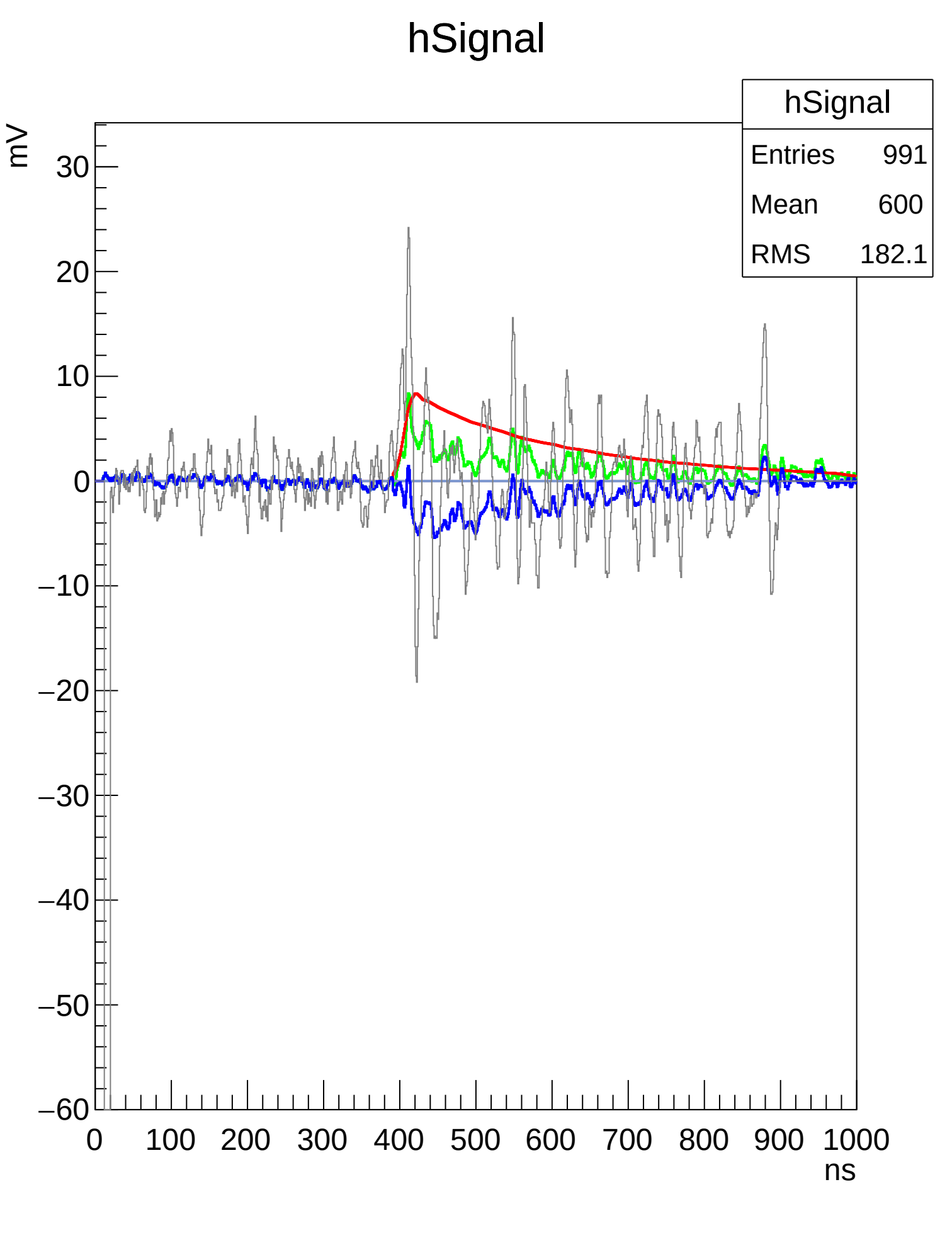
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.5
RMS 155.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.5
RMS 165.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600
RMS 182.1
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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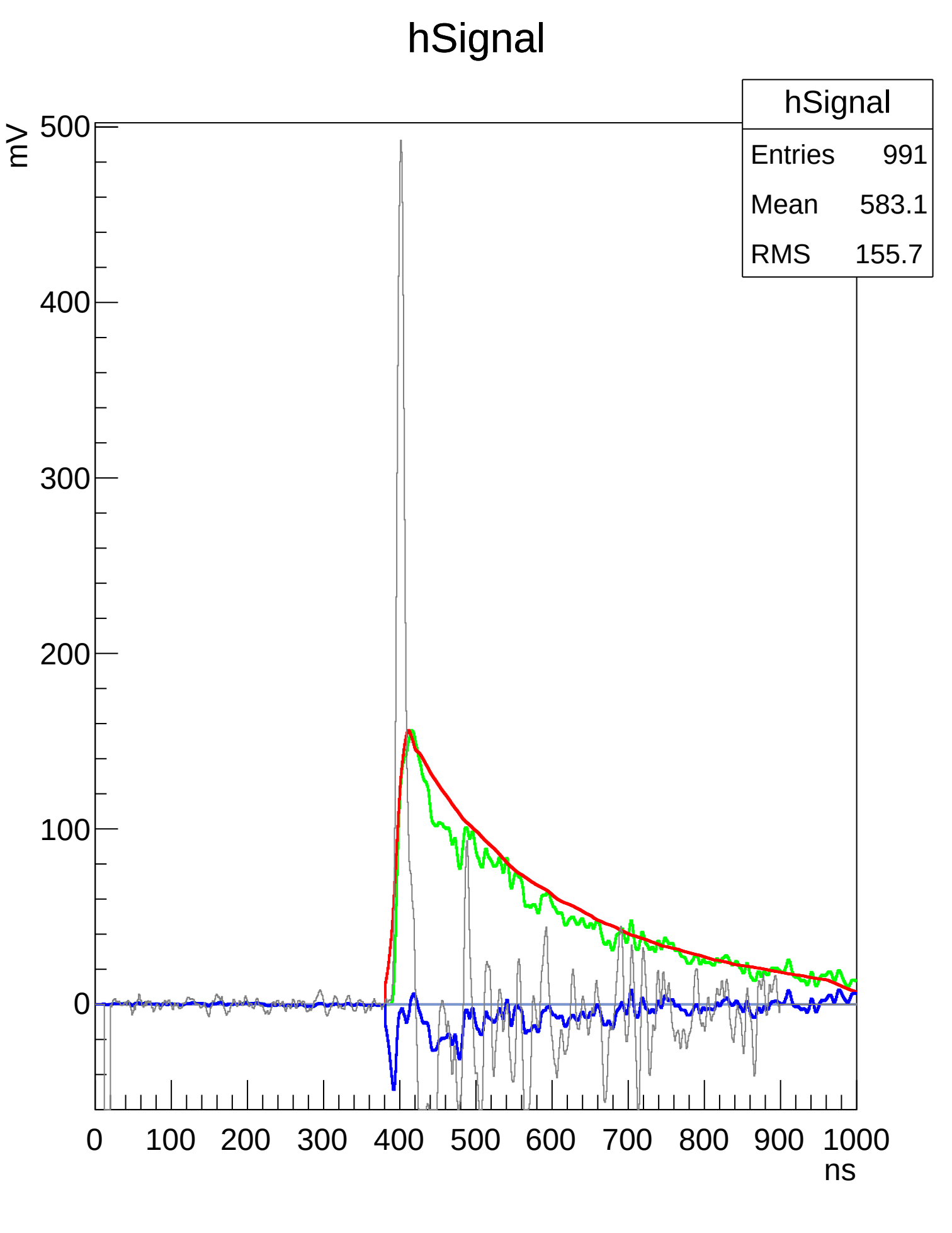
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.1
RMS 155.7
mV
500
400
300
200
100
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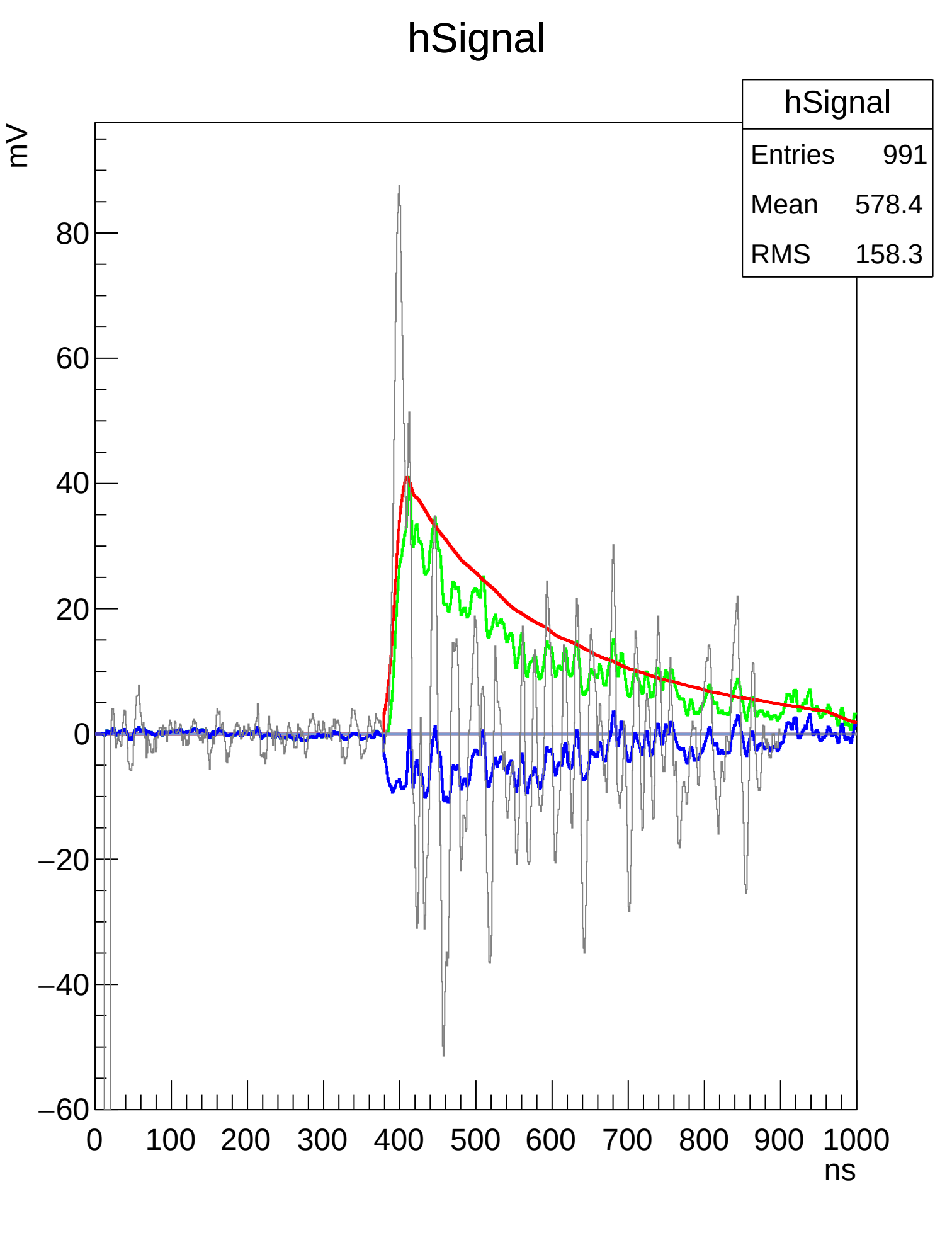
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.4
RMS 158.3
mV
80
60
40
20
0
−20
−40
−60
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200
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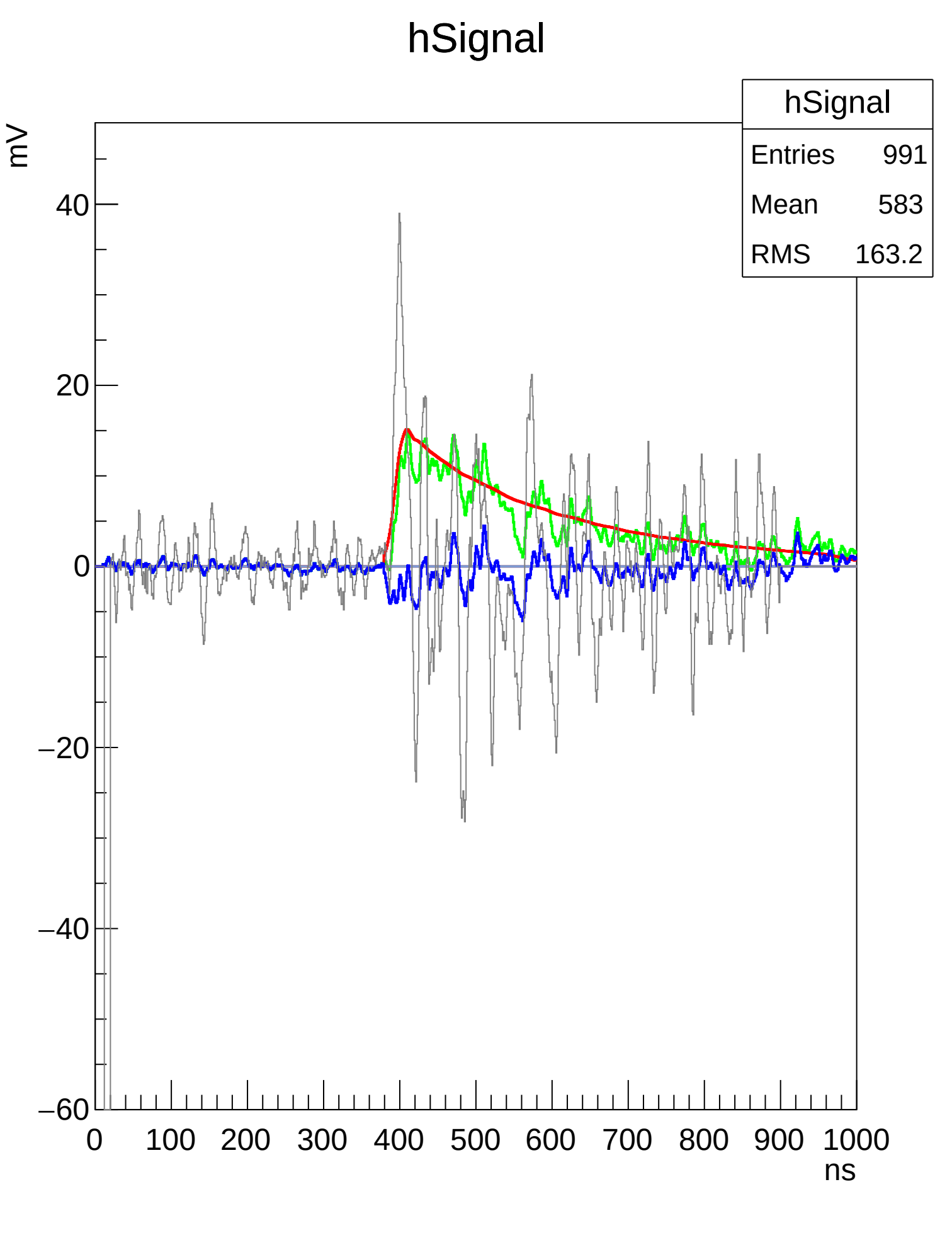
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583
RMS 163.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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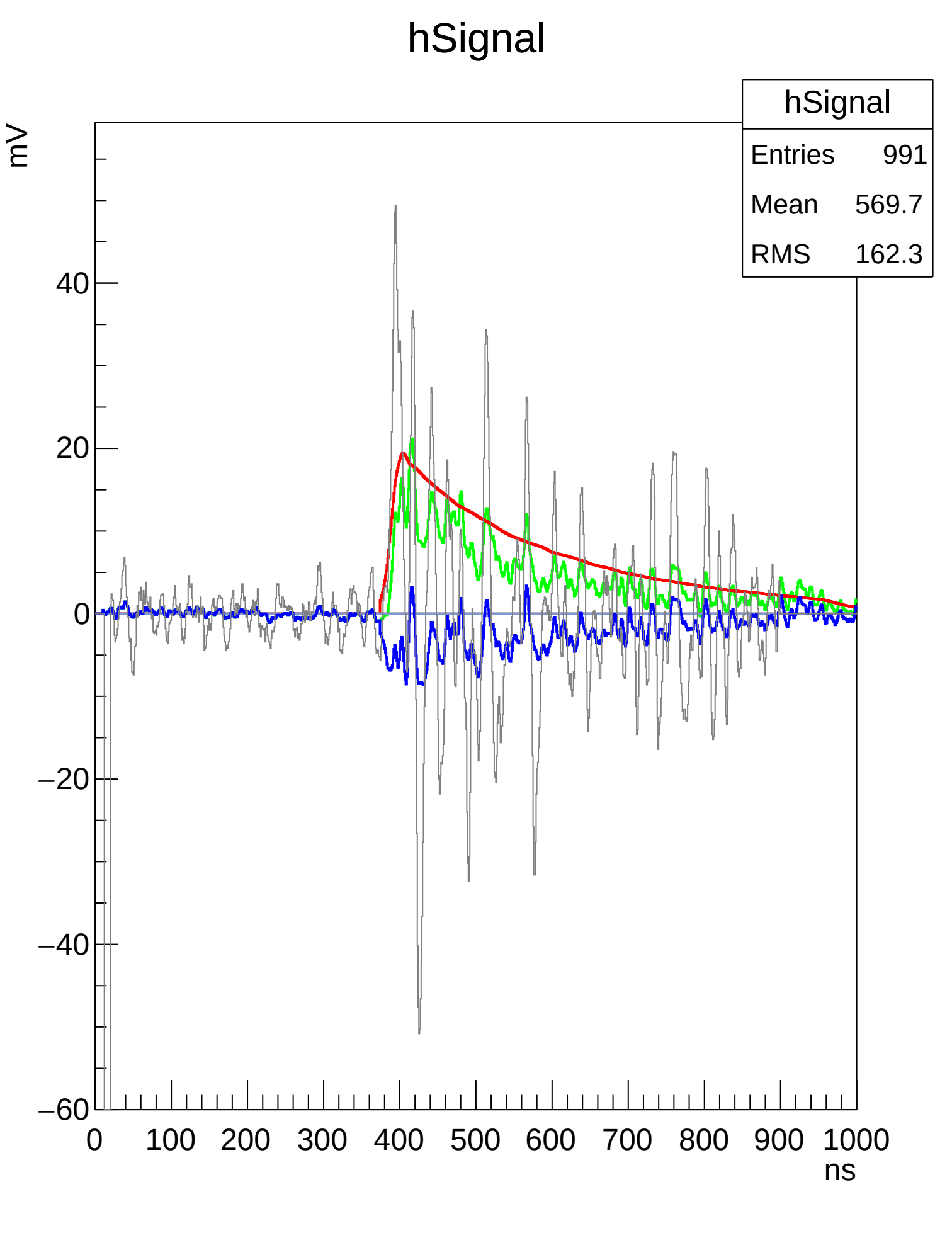
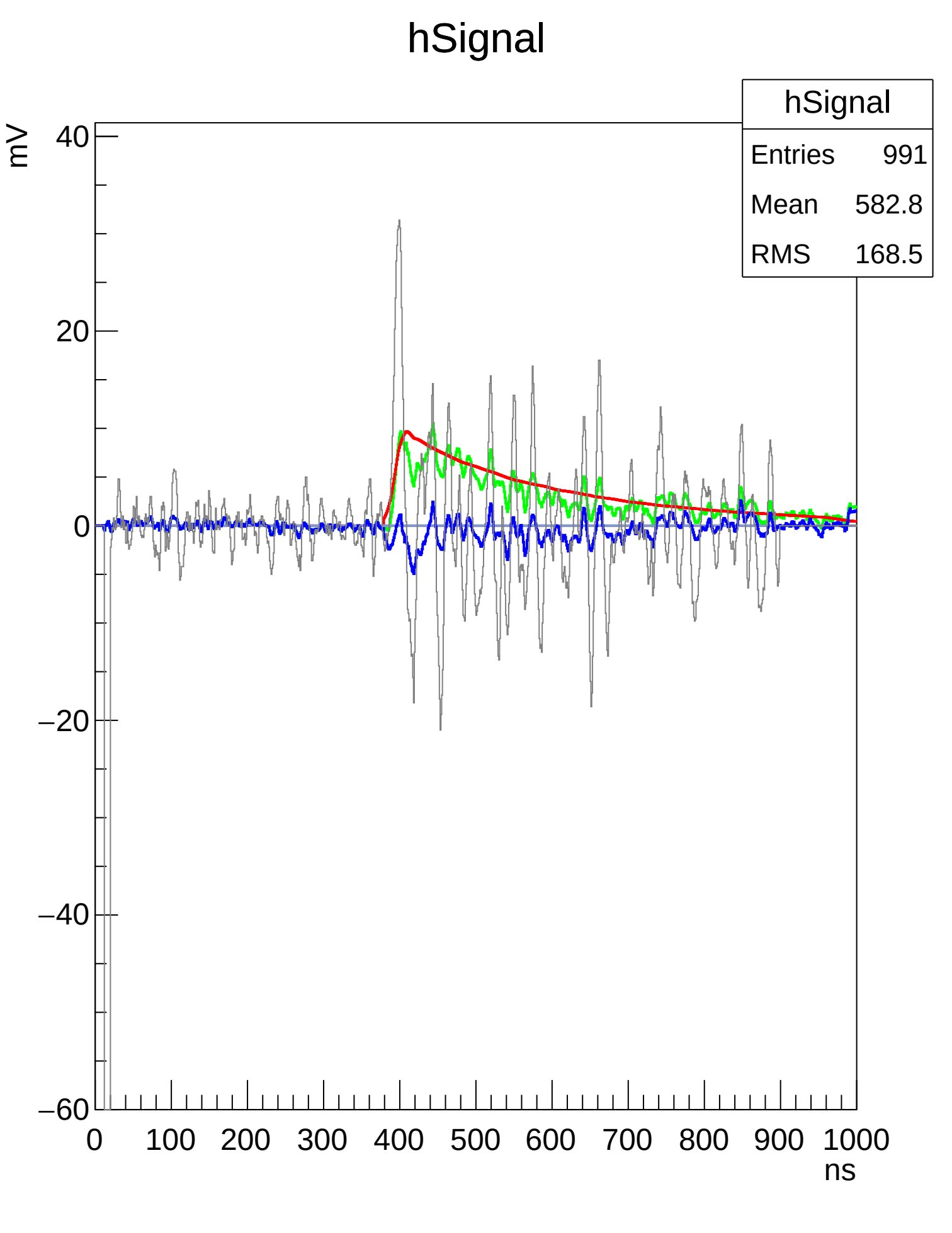
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.7
RMS 162.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.8
RMS 168.5
mV
40
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−20
−40
−60
0
100
200
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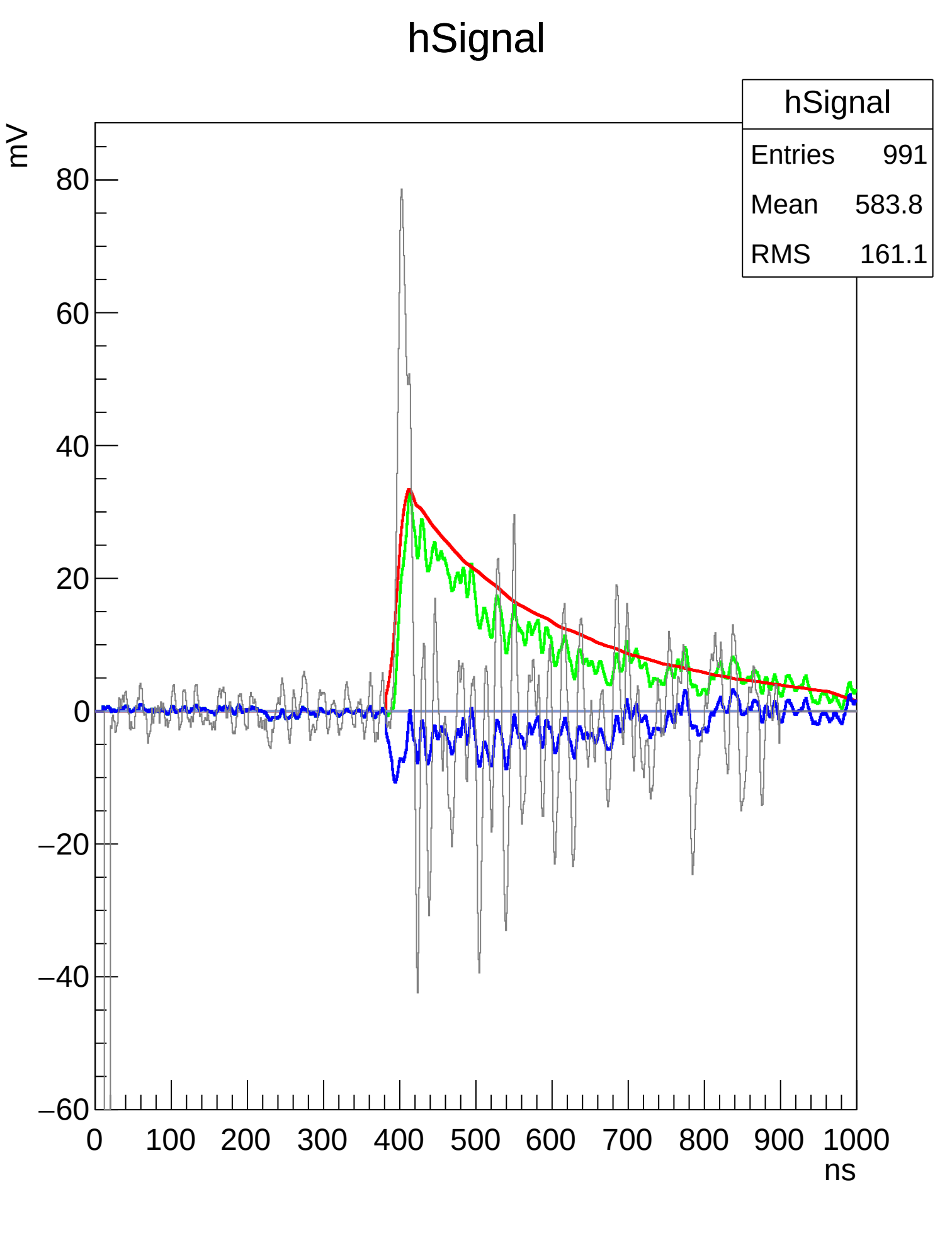
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.8
RMS 161.1
mV
80
60
40
20
0
−20
−40
−60
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200
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400
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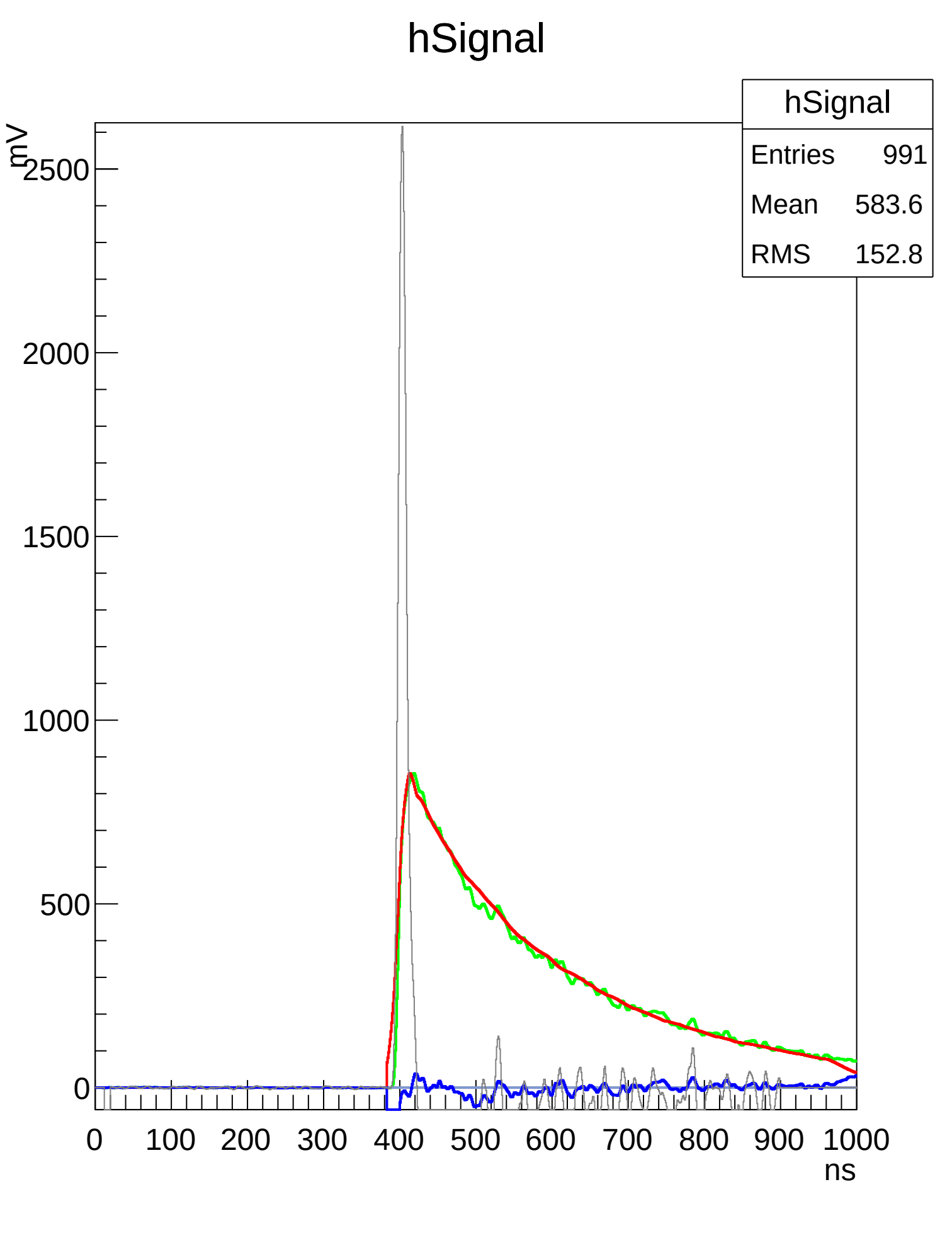
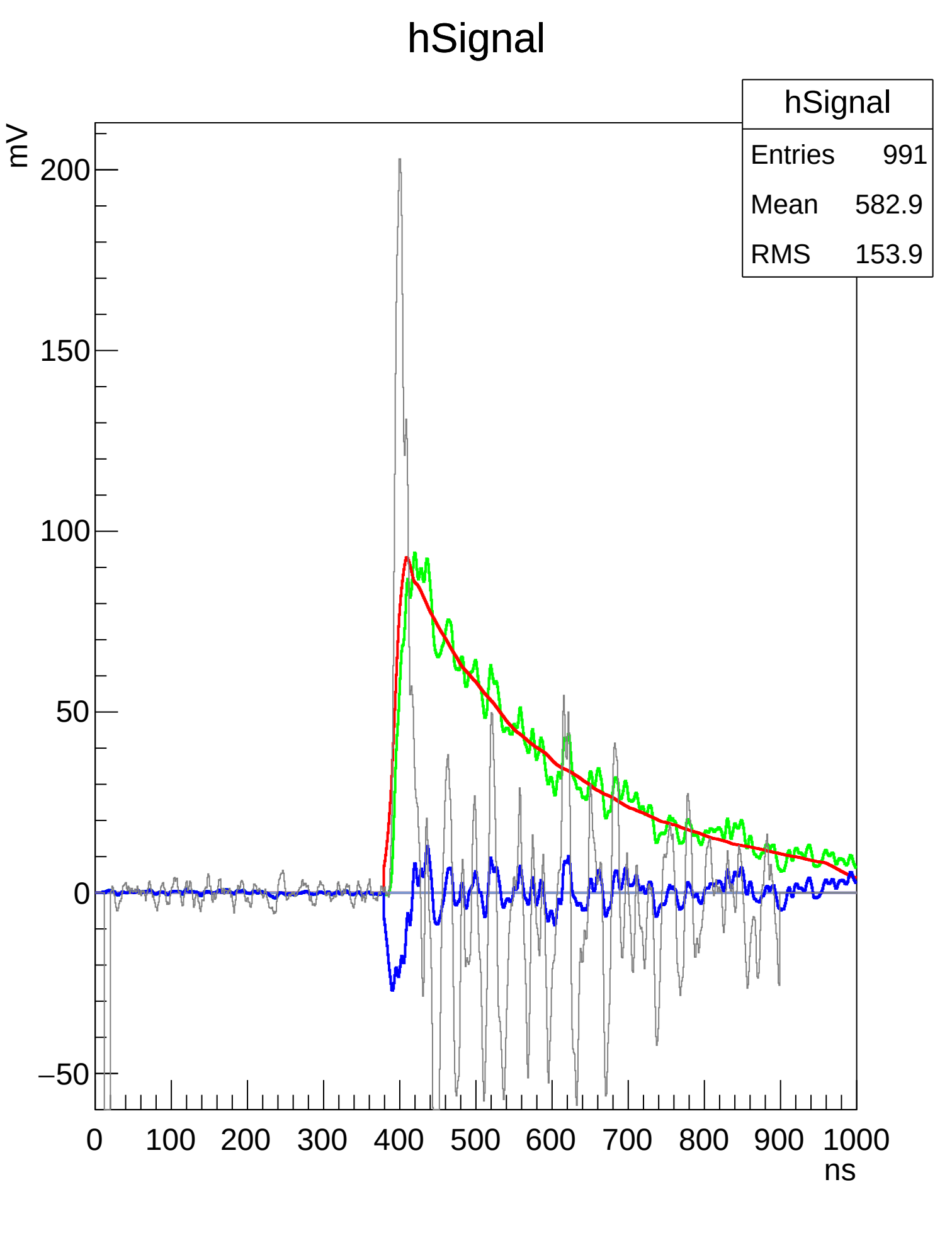
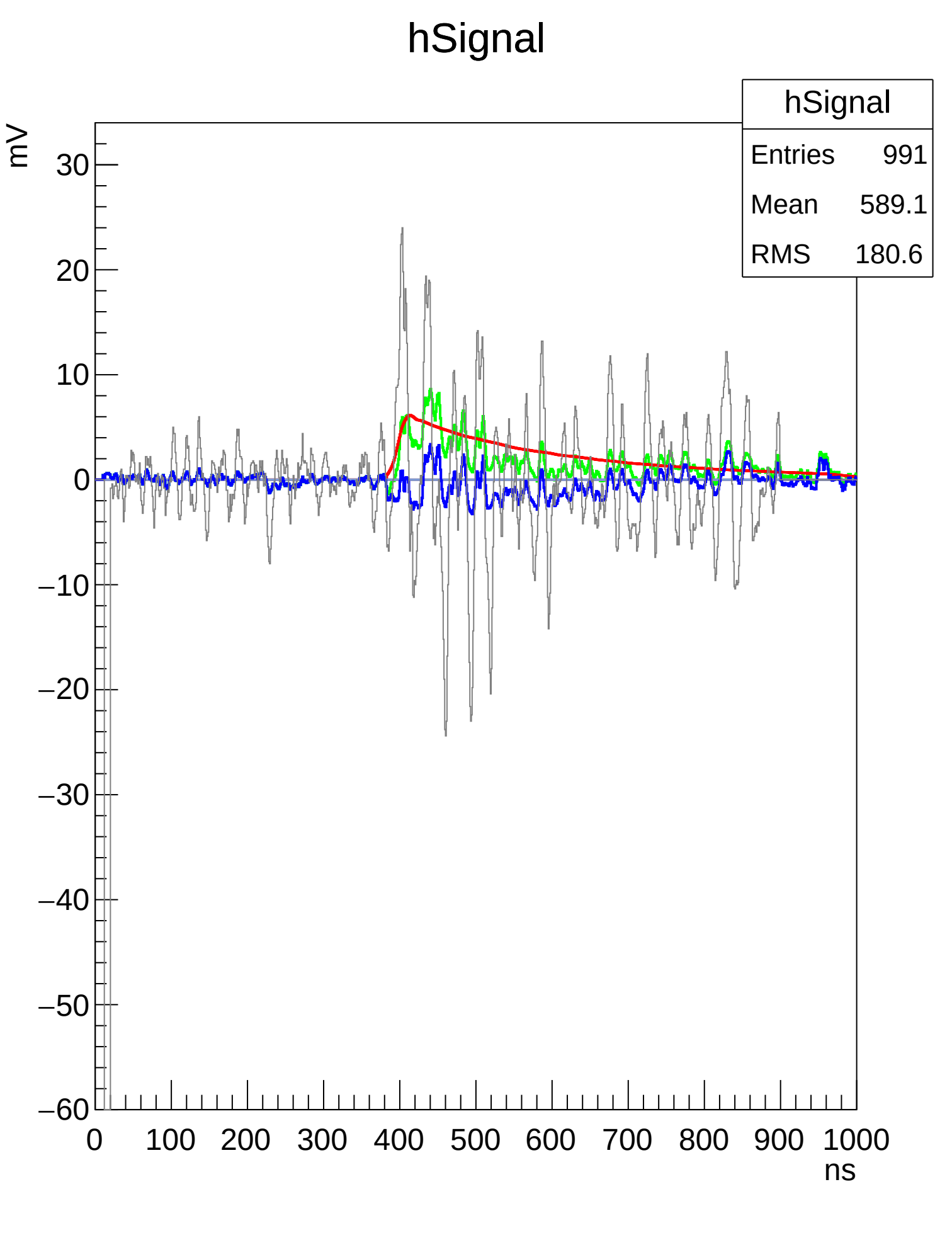
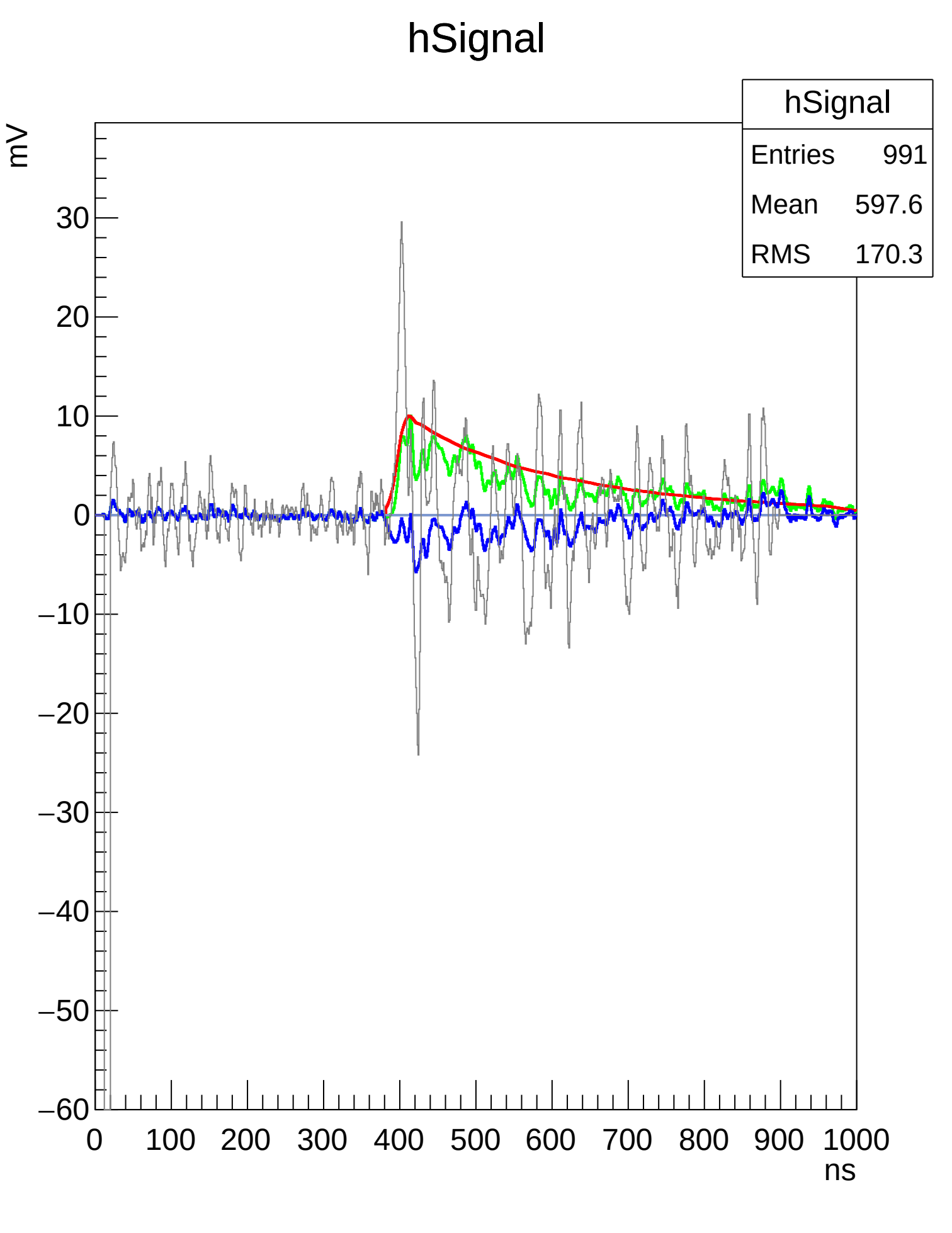
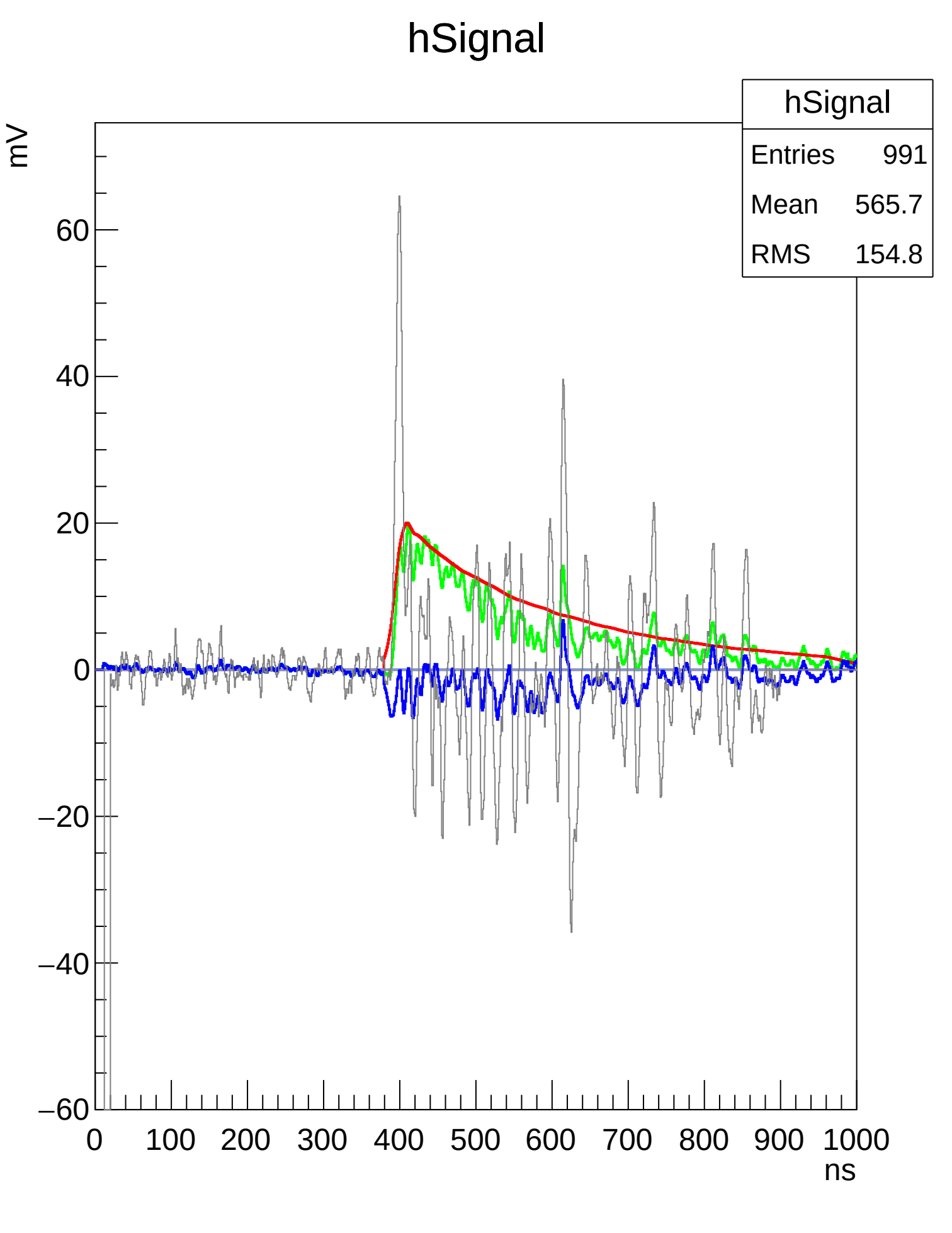
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 152.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 582.9
RMS 153.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.1
RMS 180.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.6
RMS 170.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.7
RMS 154.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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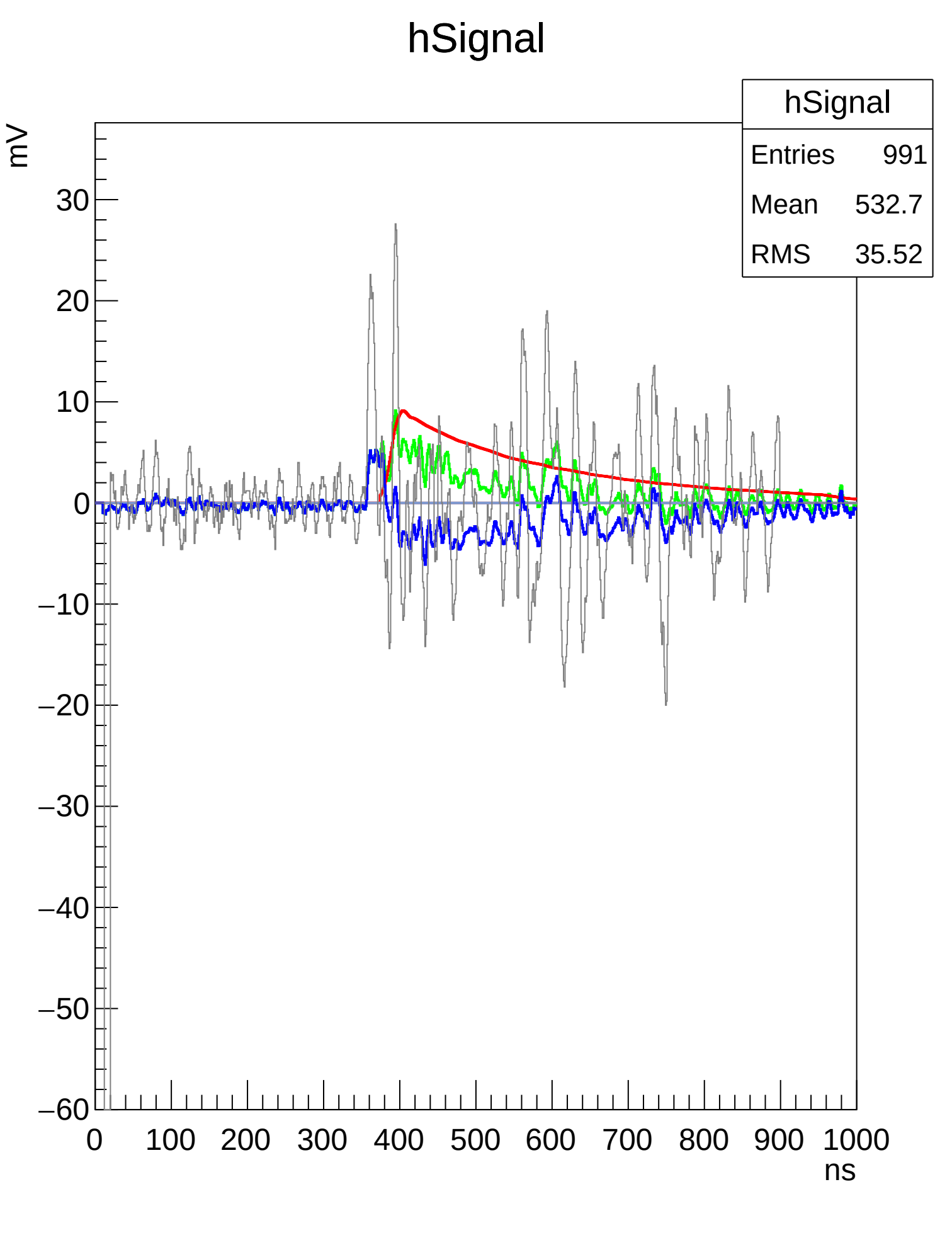
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.7
RMS 35.52
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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800
900
1000
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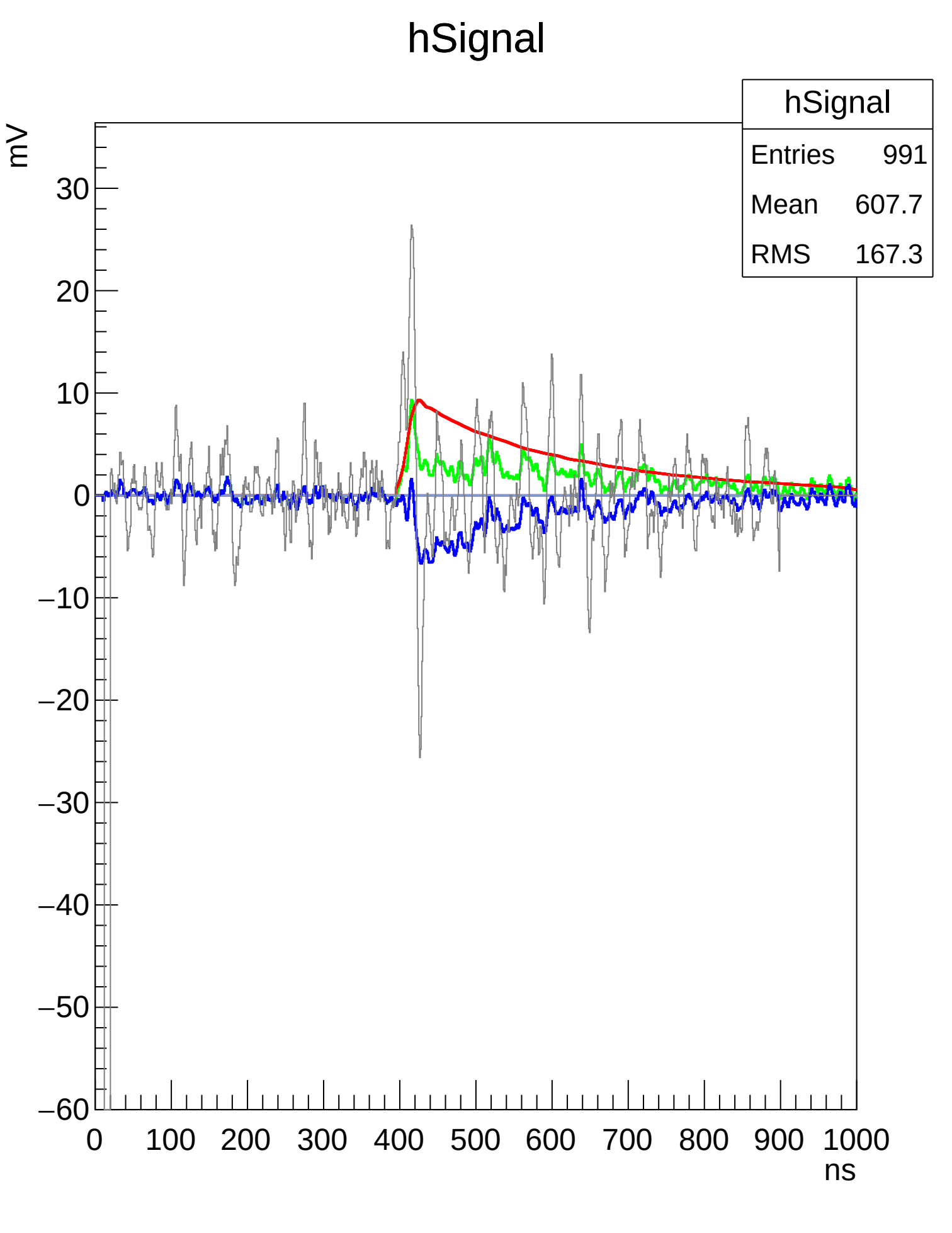
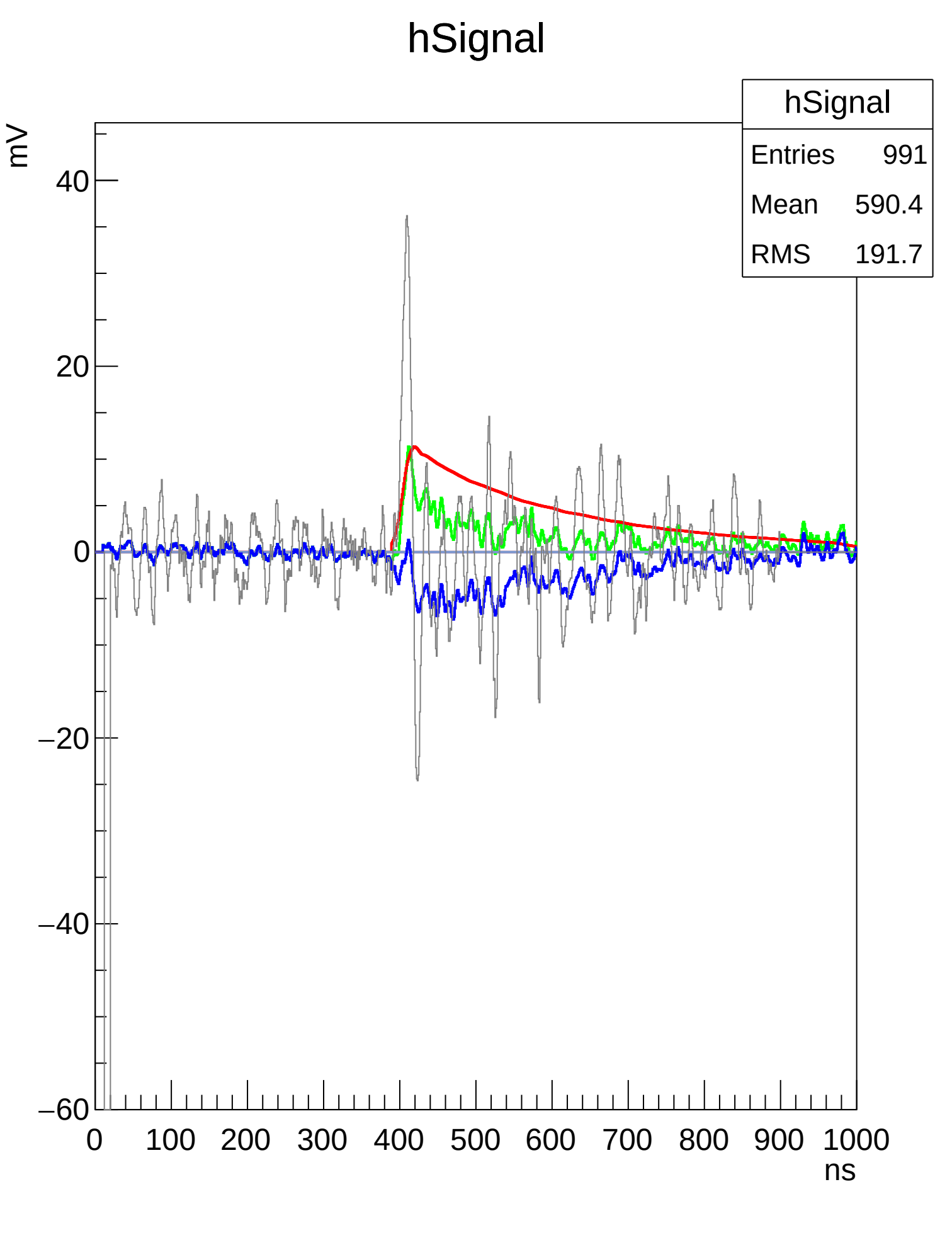

hSignal
hSignal
Entries 991
Mean 607.7
RMS 167.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.4
RMS 191.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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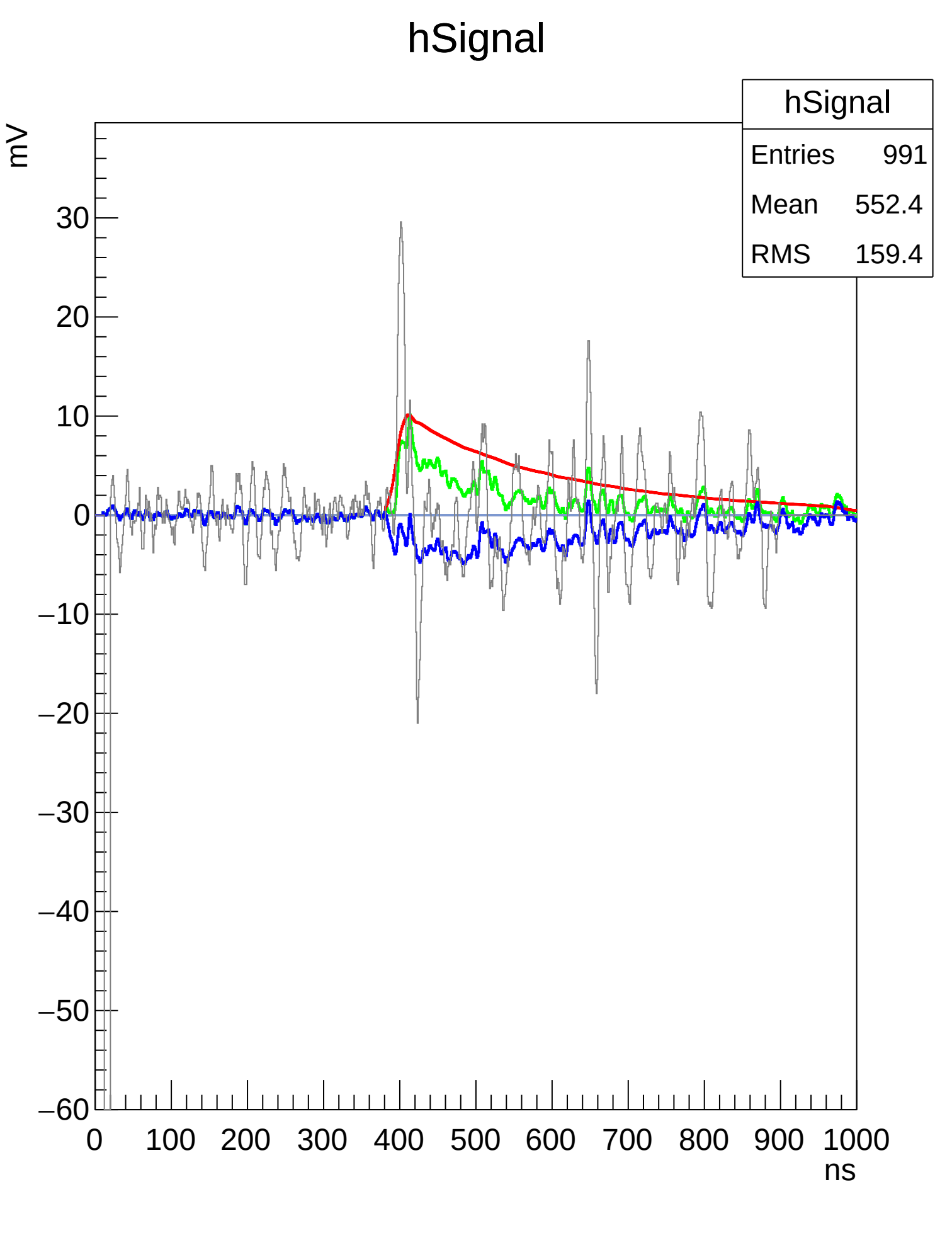
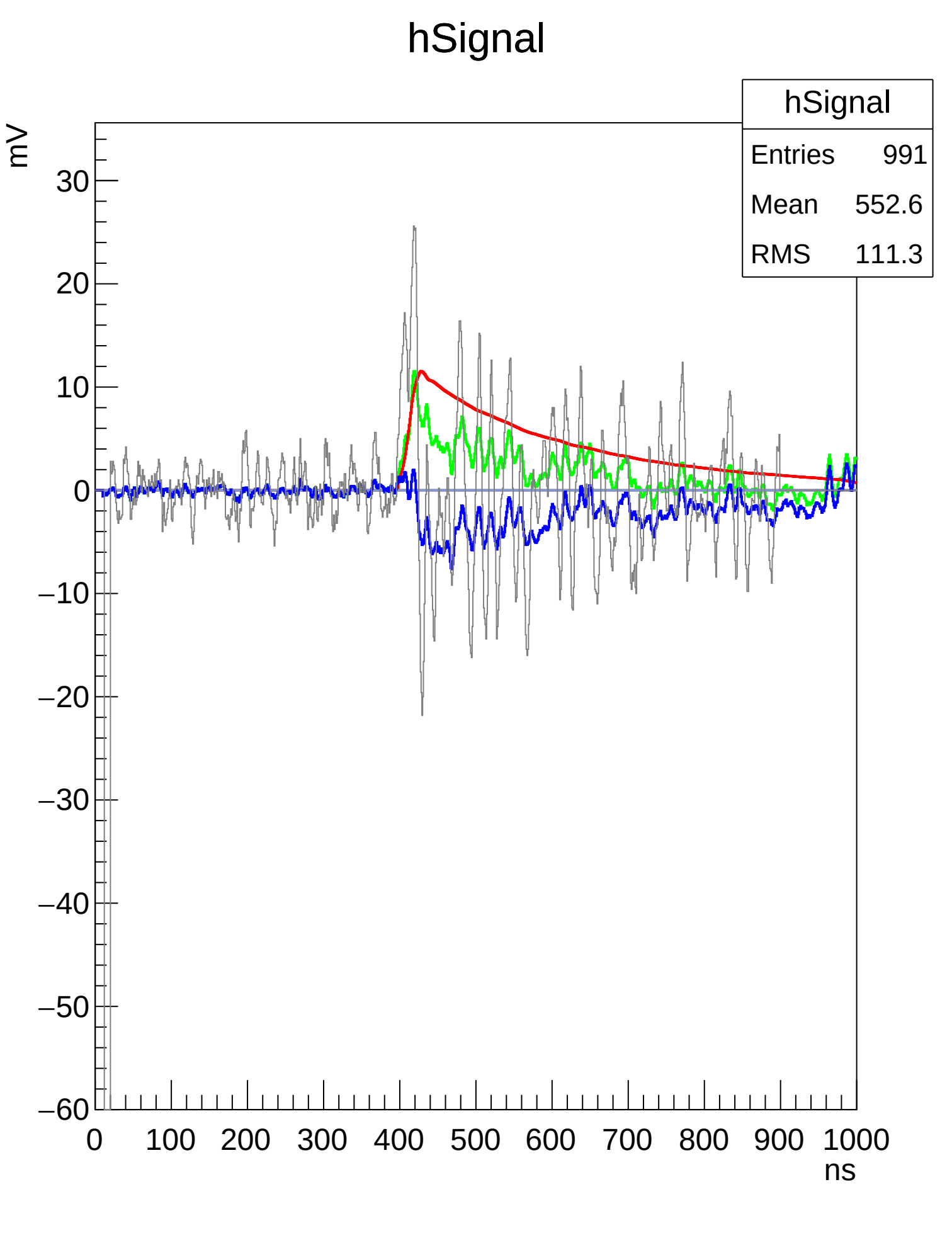
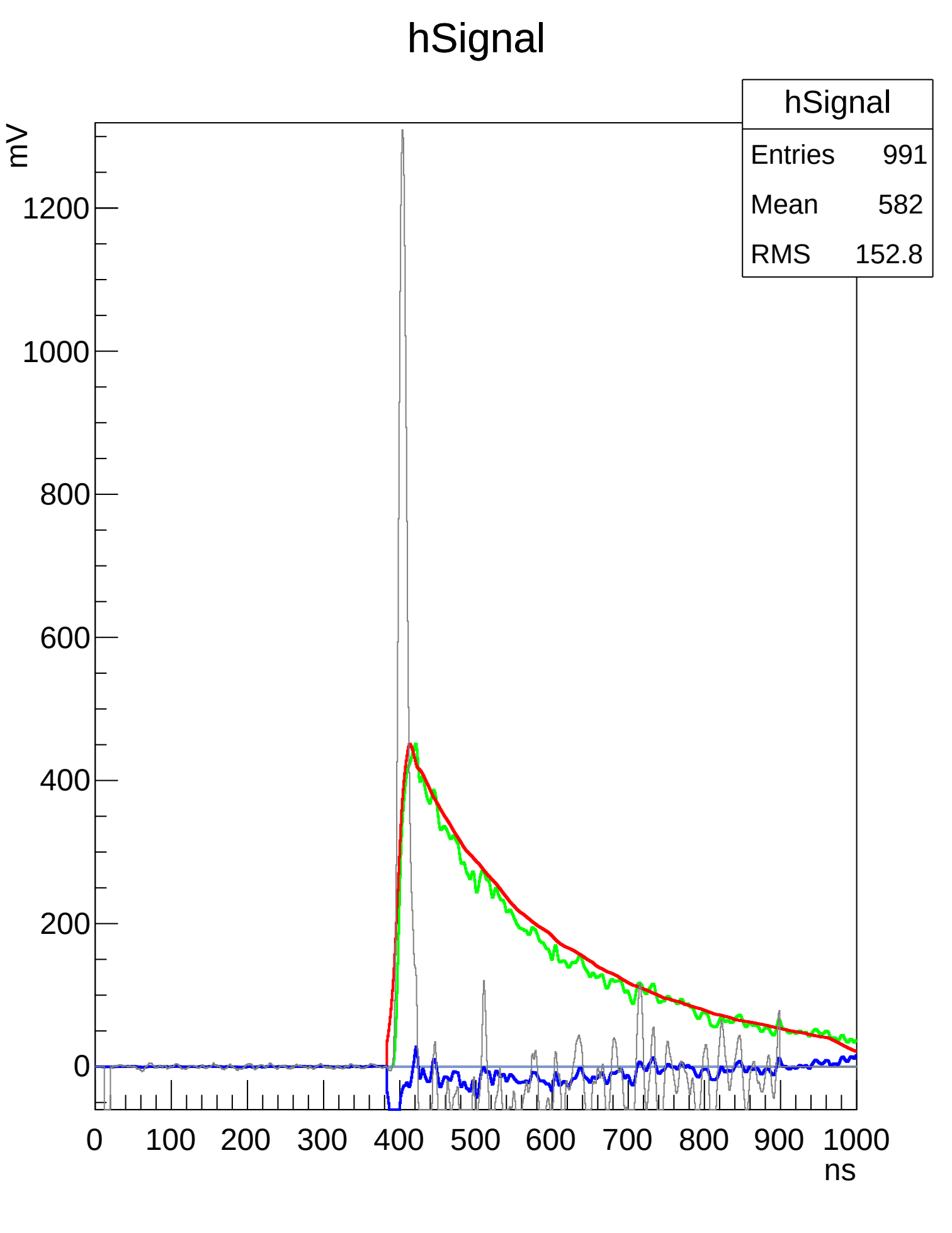
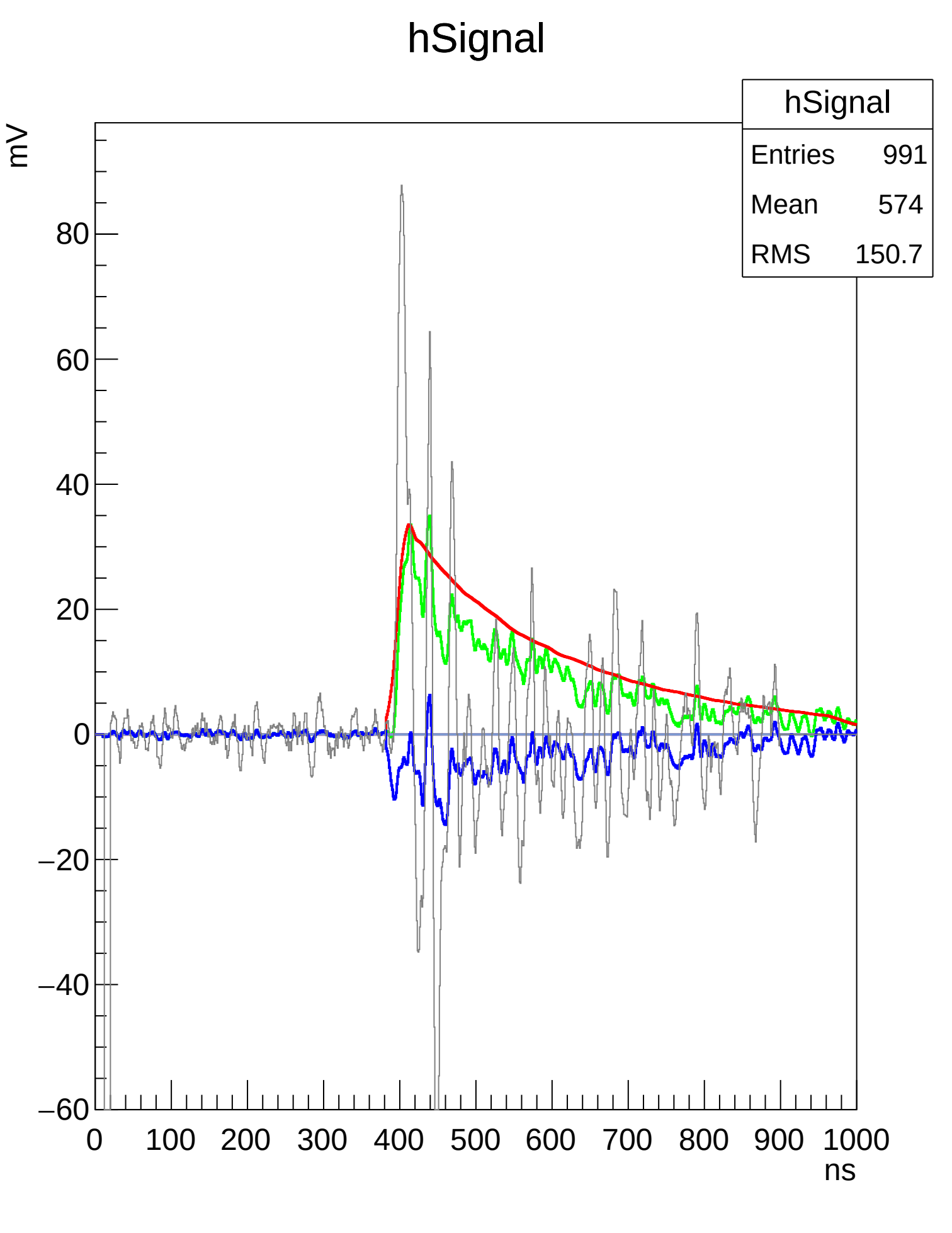
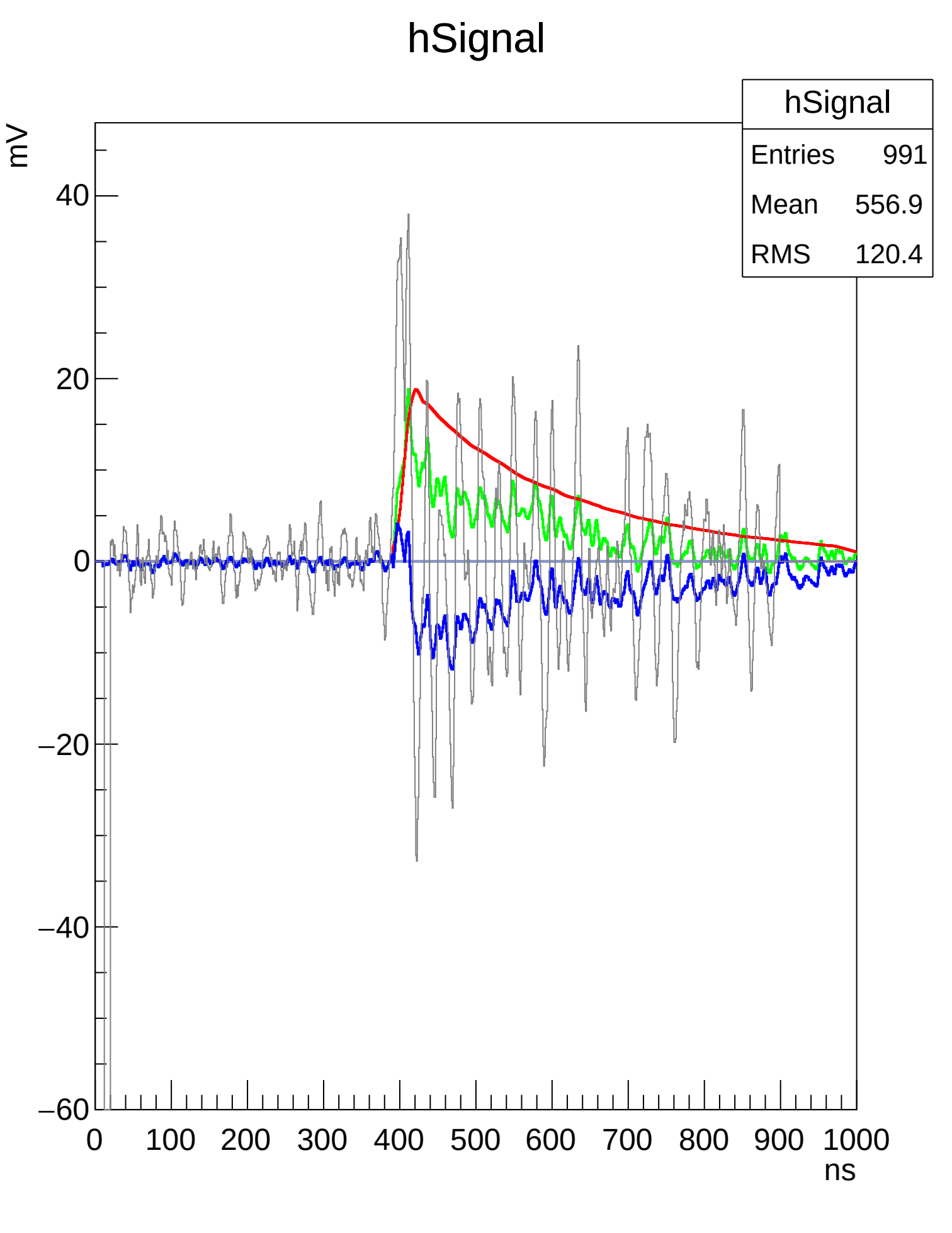
600
700
800
900
1000
ns

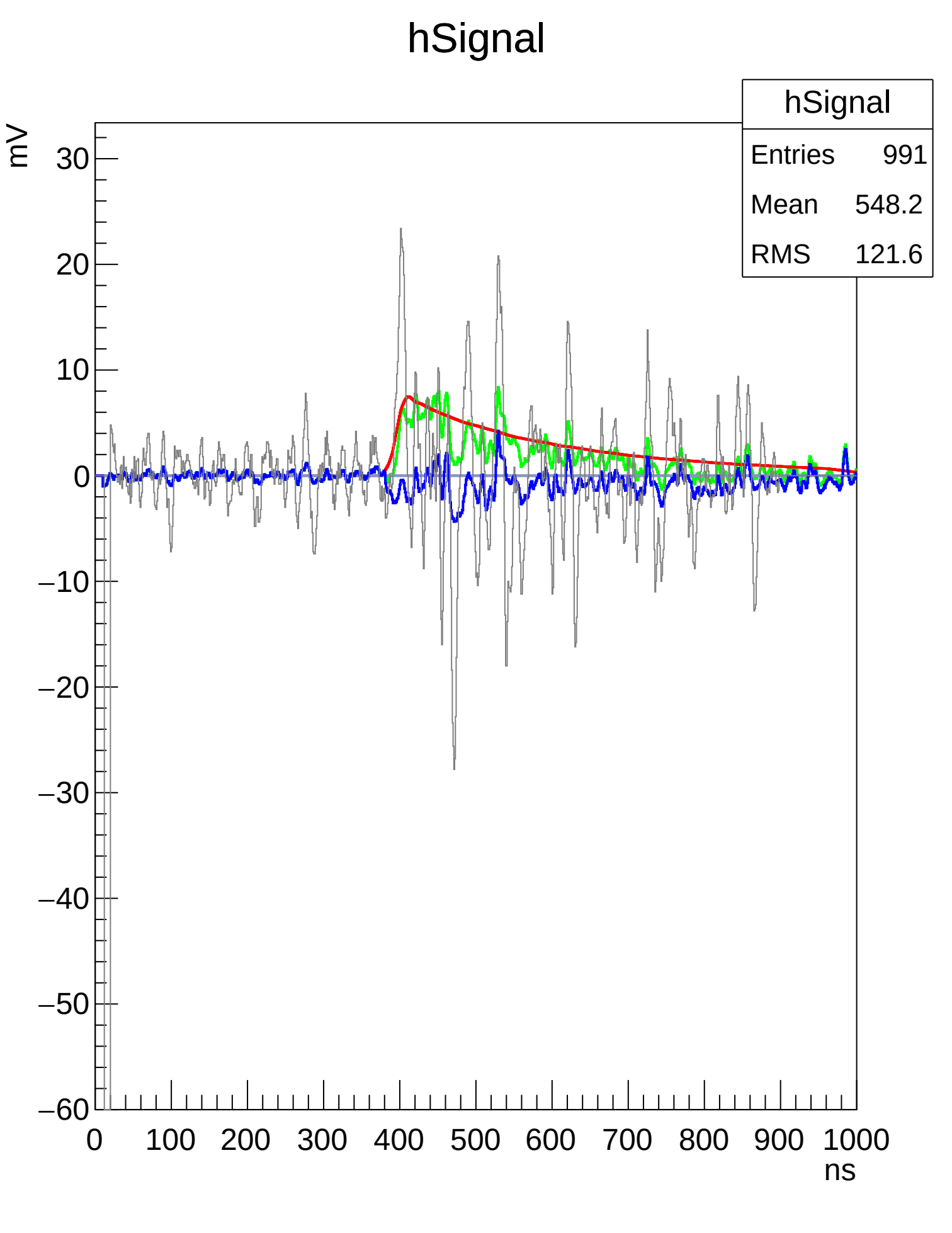

hSignal
hSignal
Entries 991
Mean 552.4
RMS 159.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

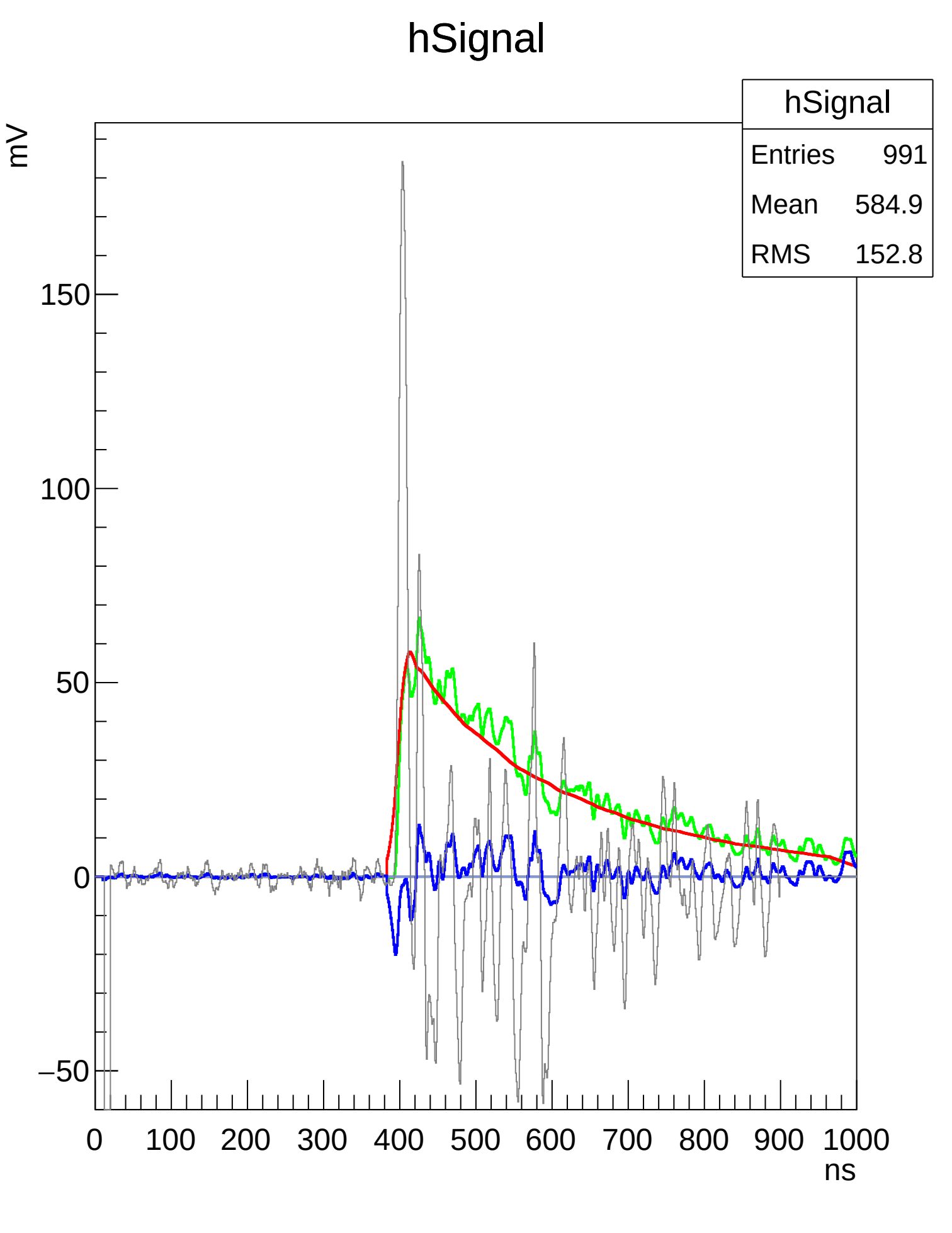

hSignal
hSignal
Entries 991
Mean 552.6
RMS 111.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

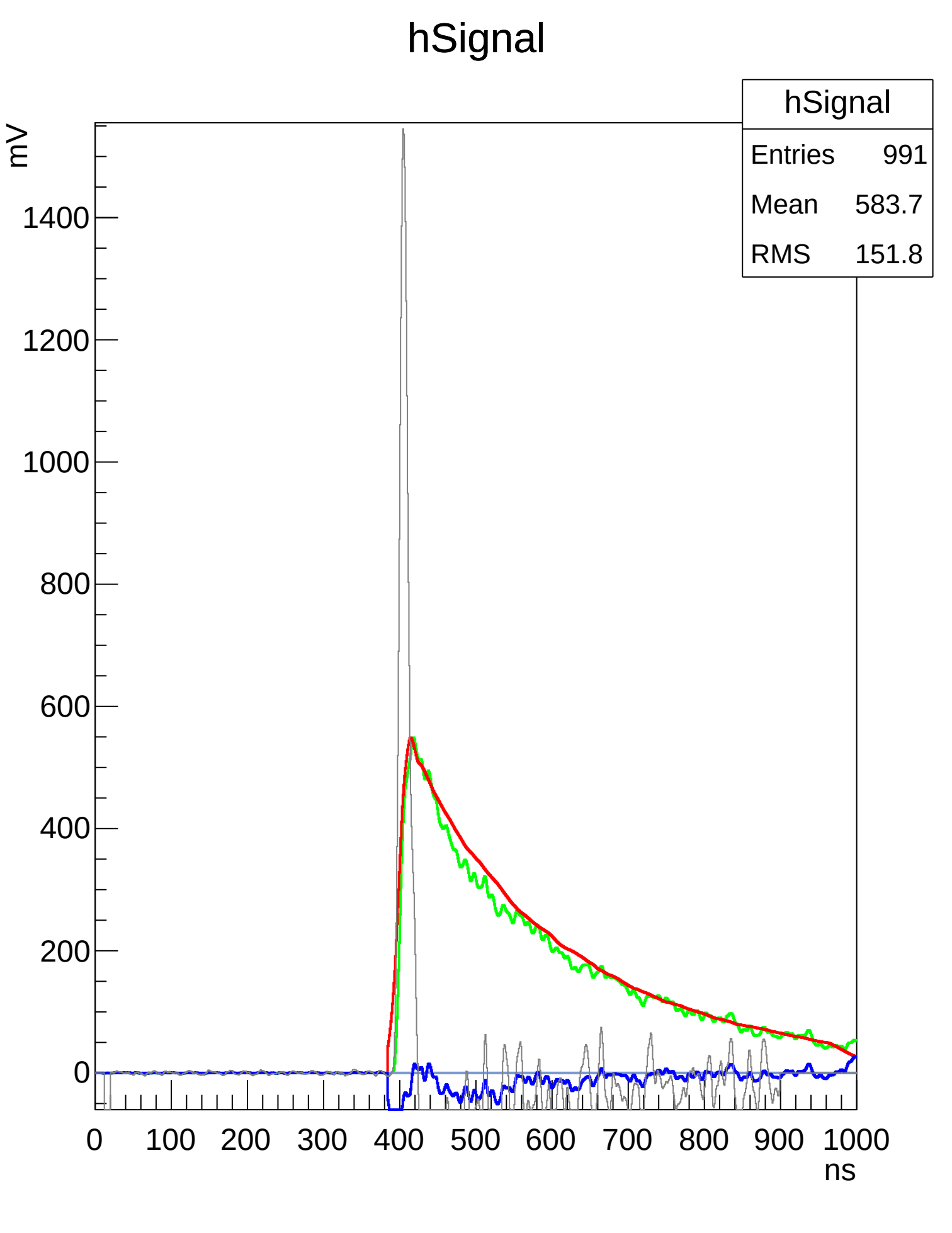

hSignal
hSignal
Entries 991
Mean 582
RMS 152.8
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

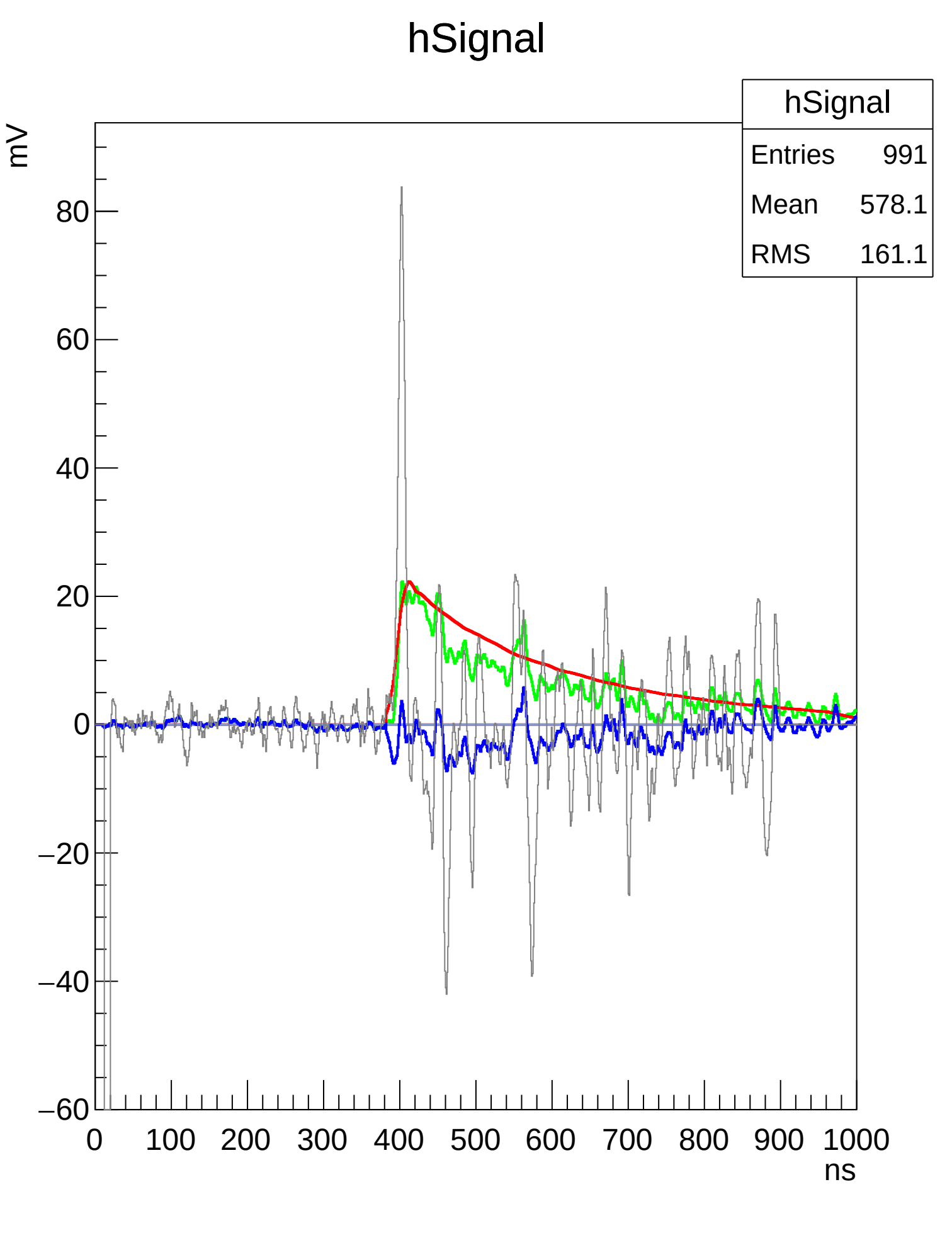

hSignal
hSignal
Entries 991
Mean 574
RMS 150.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

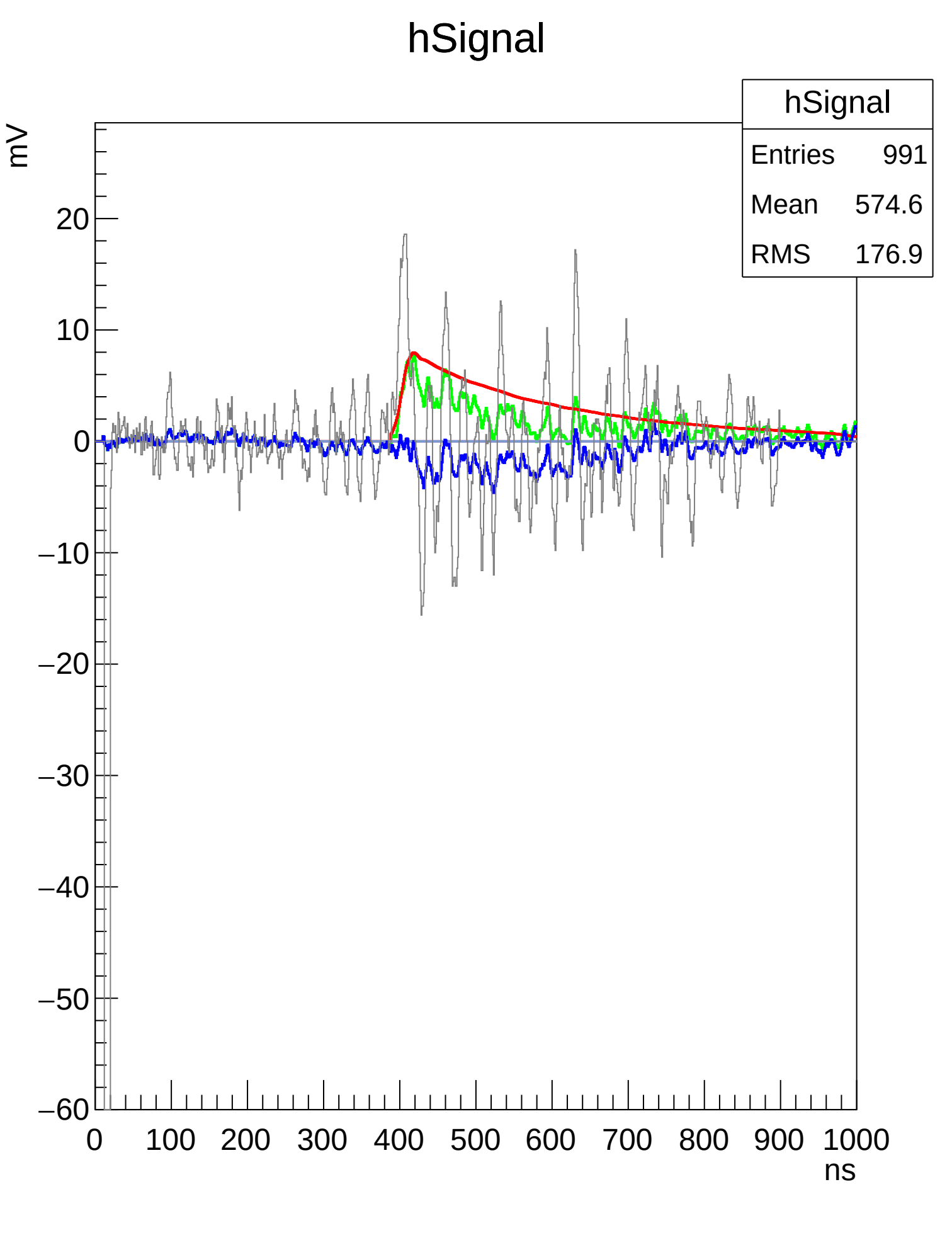

hSignal
hSignal
Entries 991
Mean 556.9
RMS 120.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

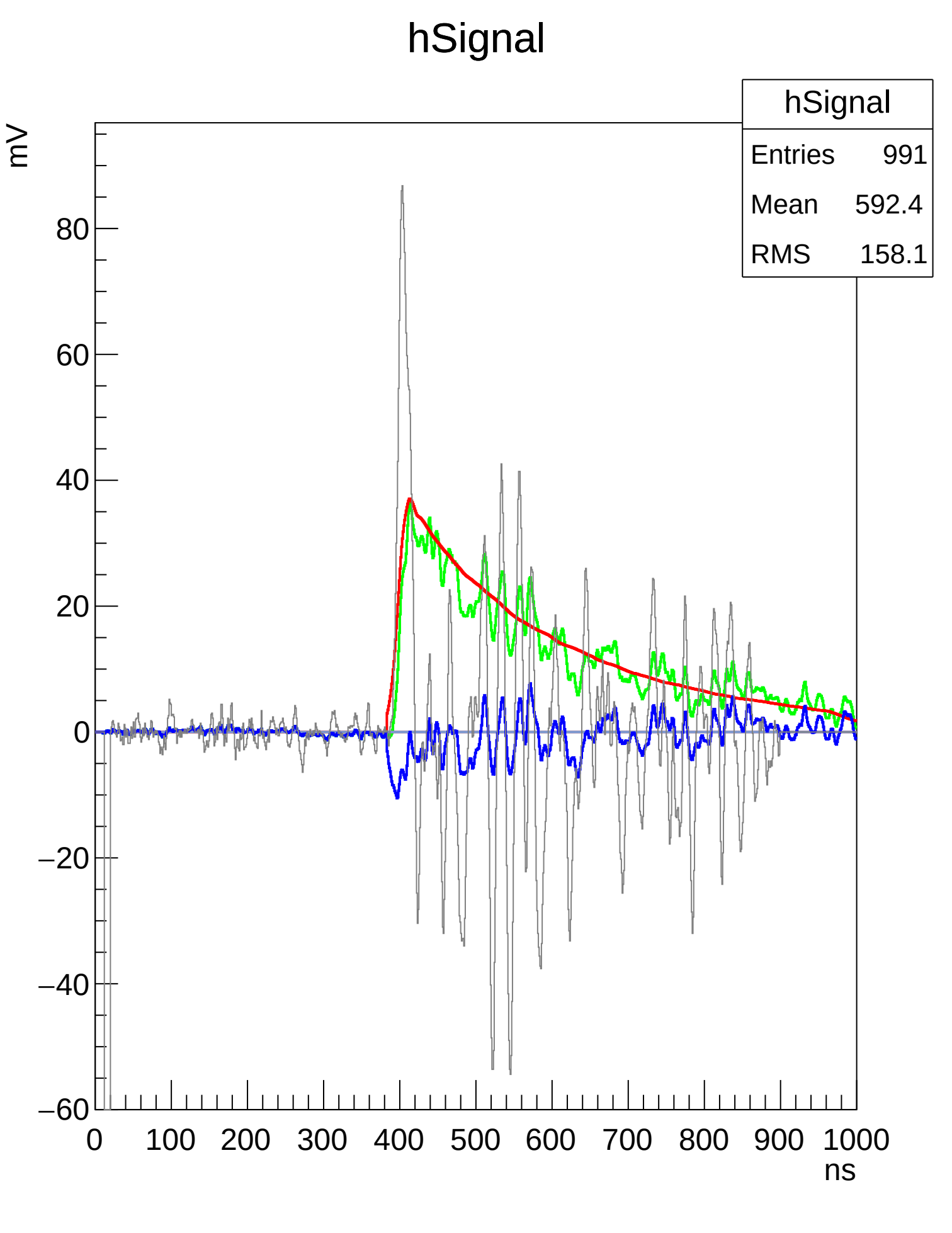

hSignal
hSignal
Entries 991
Mean 548.2
RMS 121.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.9
RMS 152.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.7
RMS 151.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.1
RMS 161.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.6
RMS 176.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.4
RMS 158.1
mV
80
60
40
20
0
−20
−40
−60
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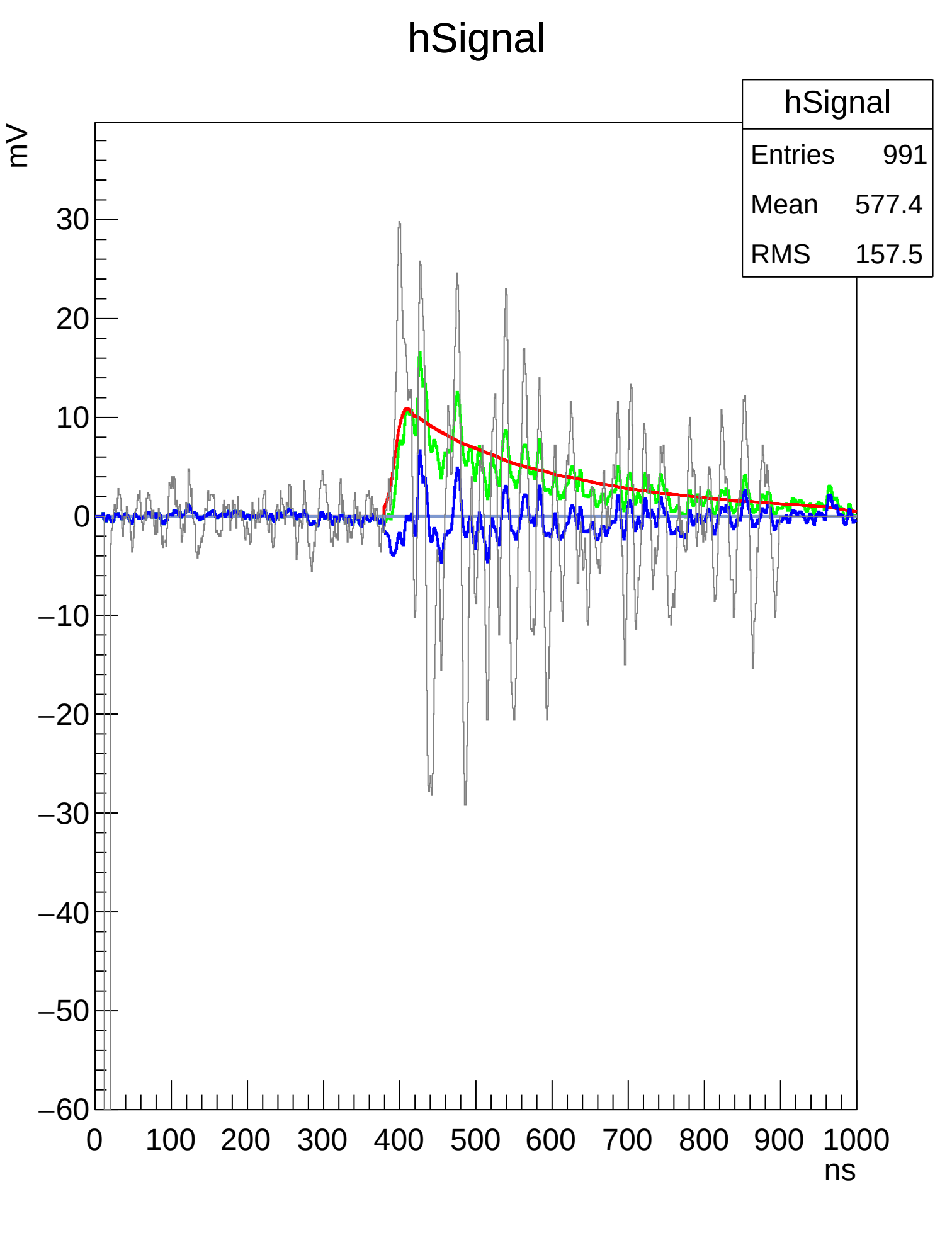
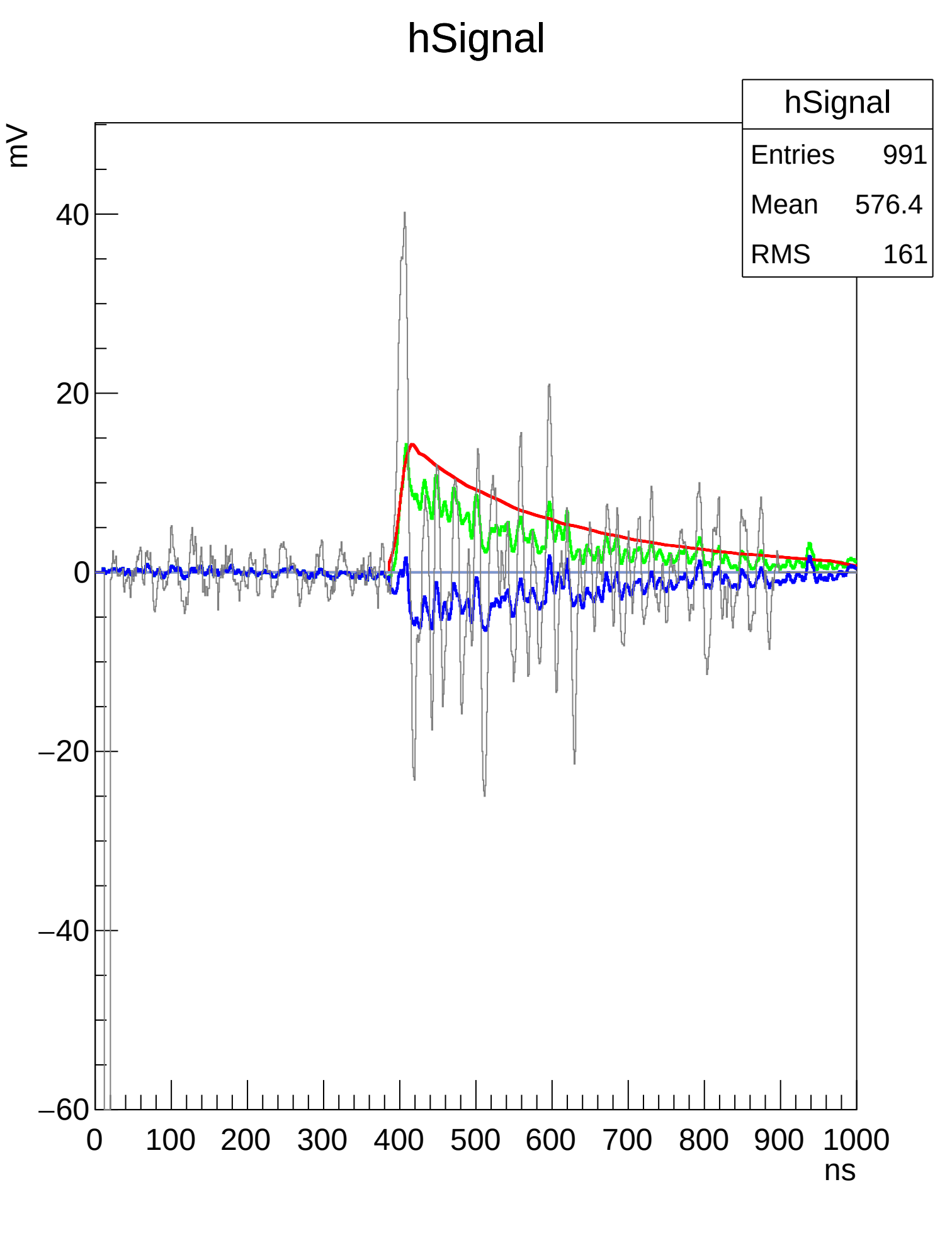
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.4
RMS 157.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.4
RMS 161
mV
40
20
0
−20
−40
−60
0
100
200
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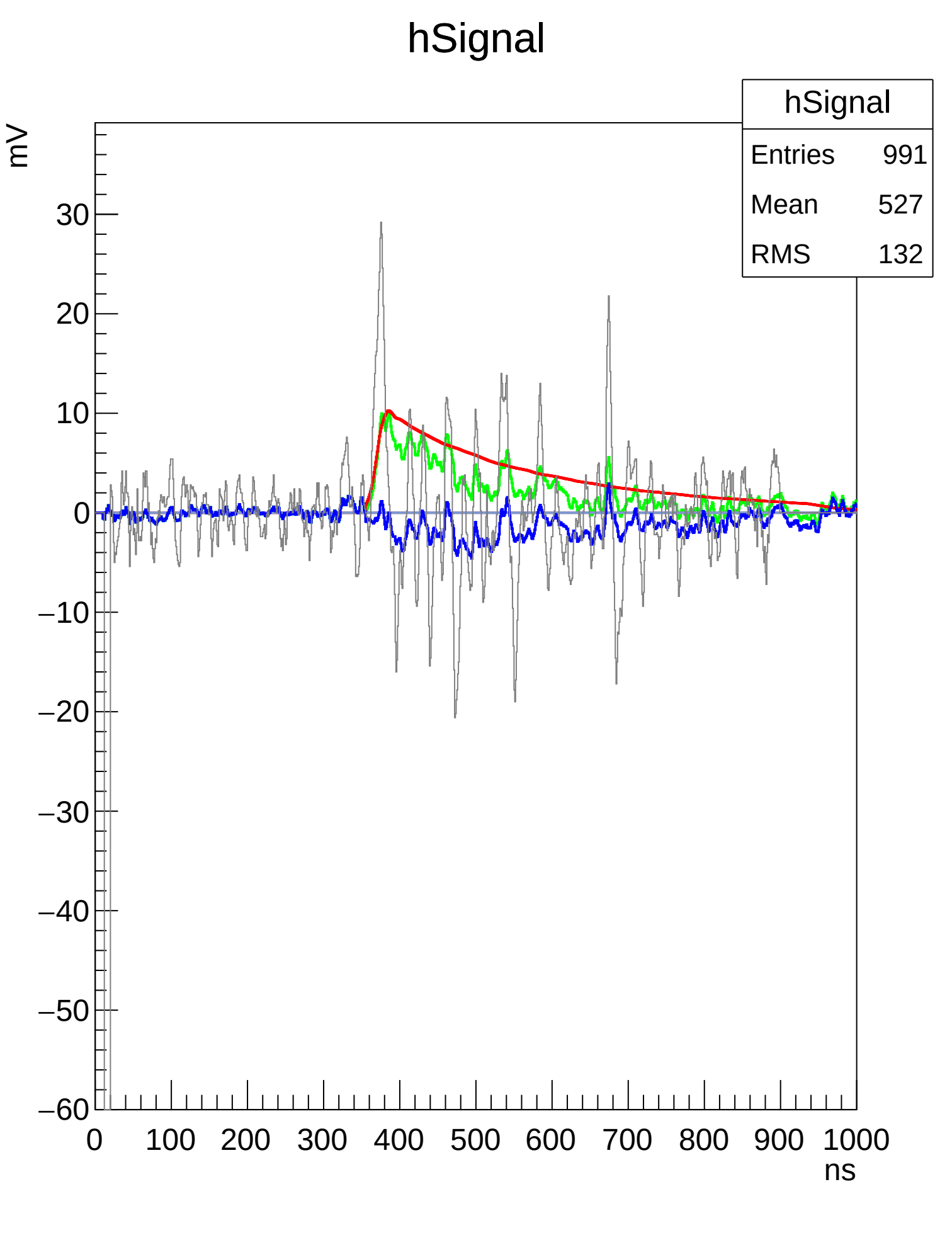
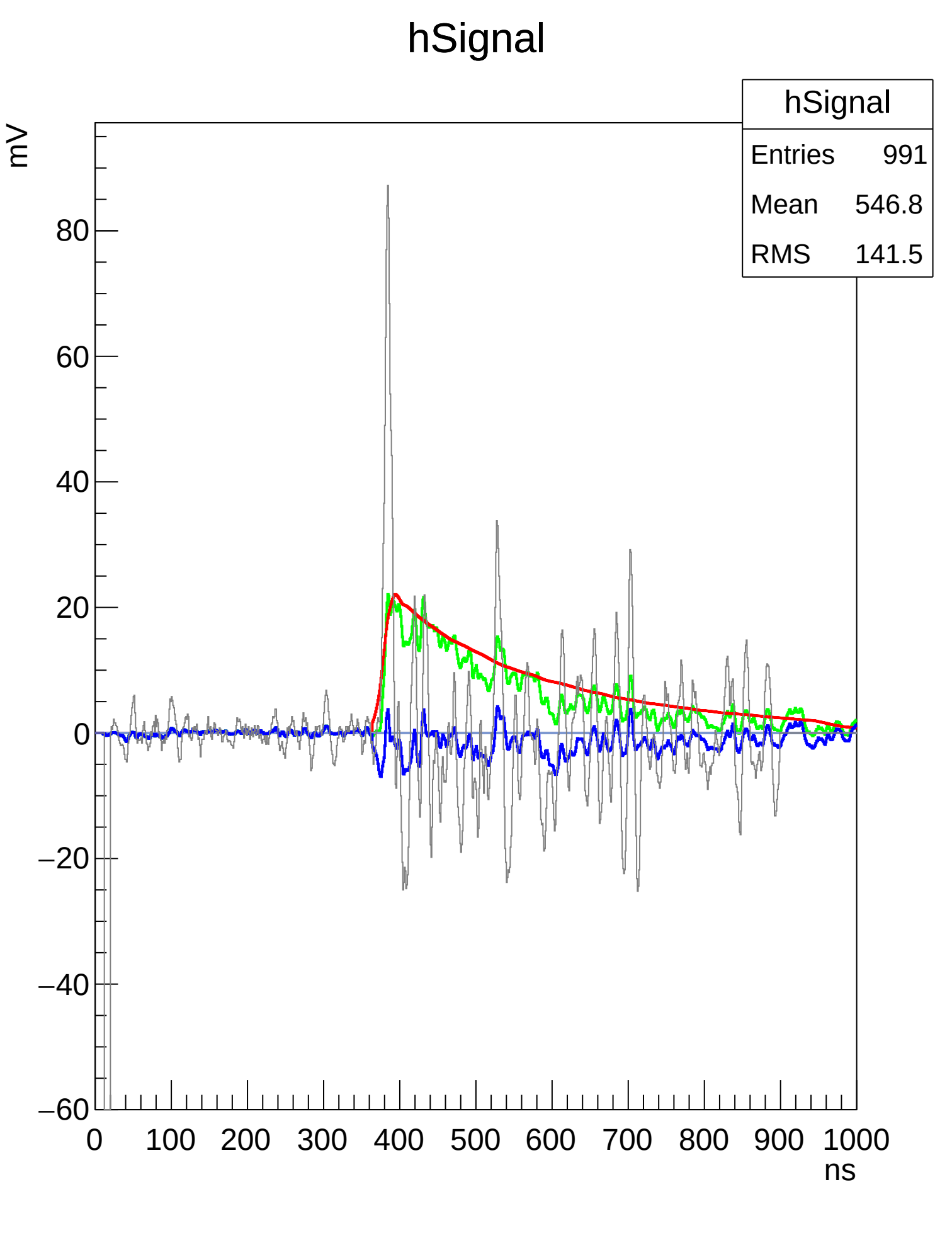
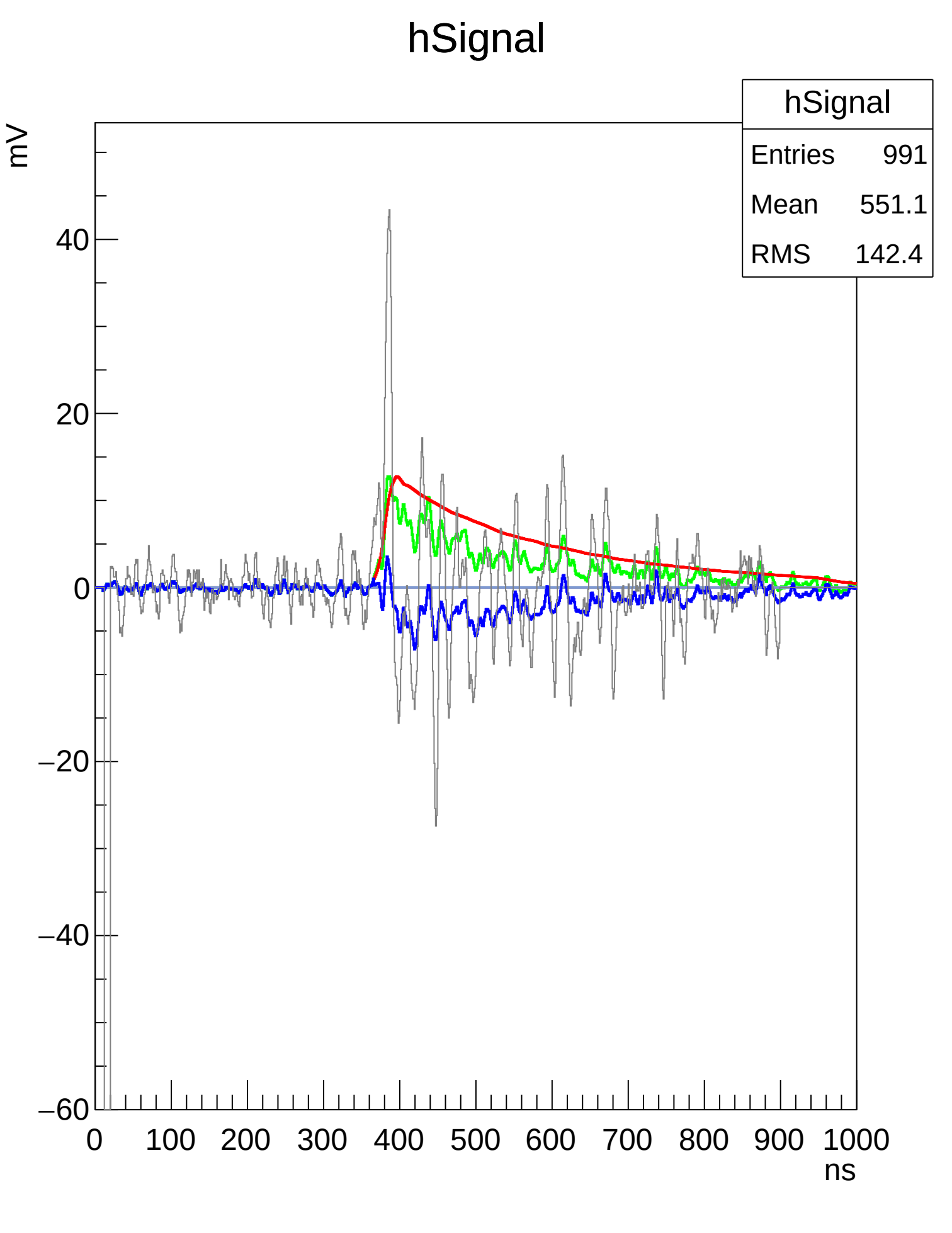
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527
RMS 132
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.8
RMS 141.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.1
RMS 142.4
mV
40
20
0
−20
−40
−60
0
100
200
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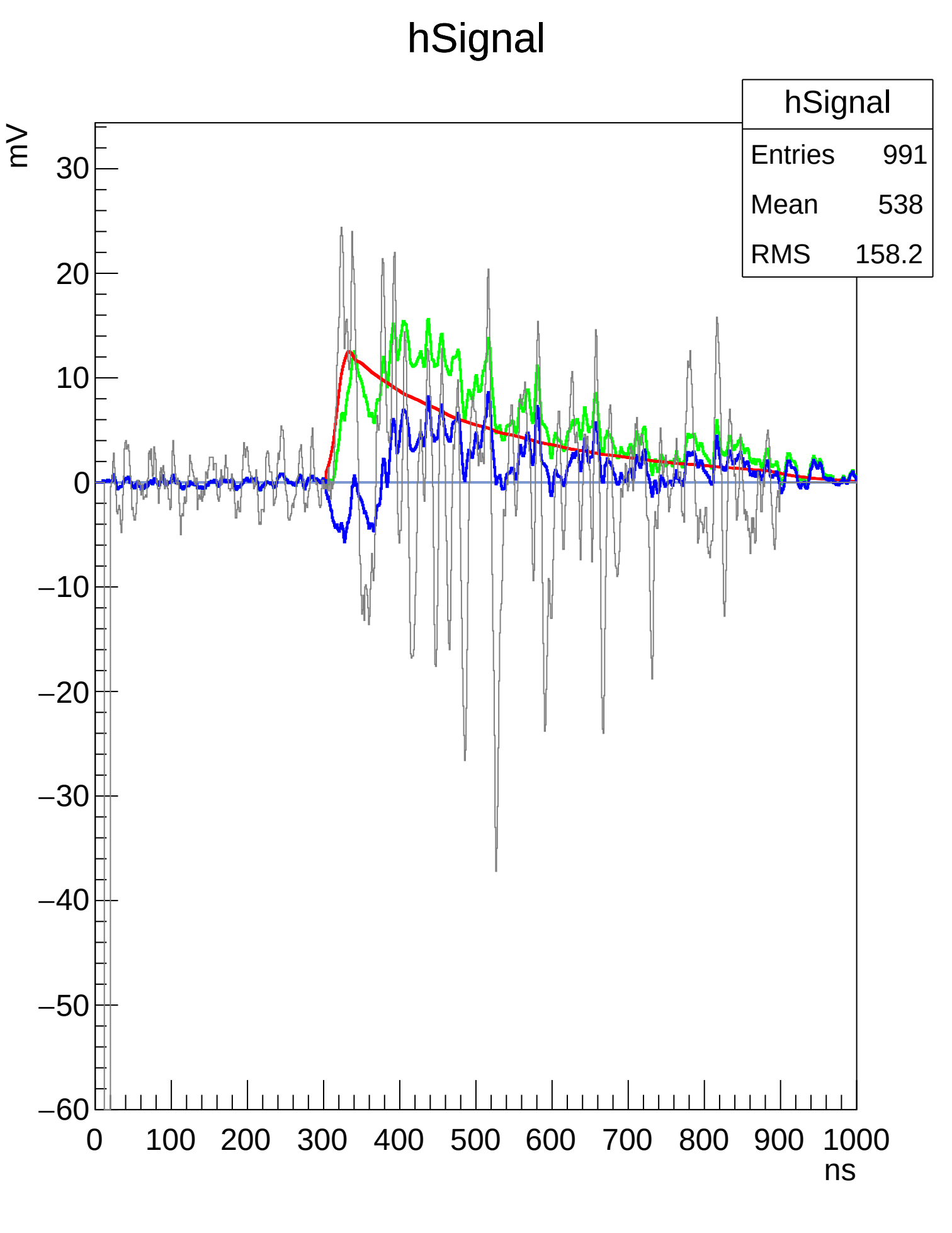
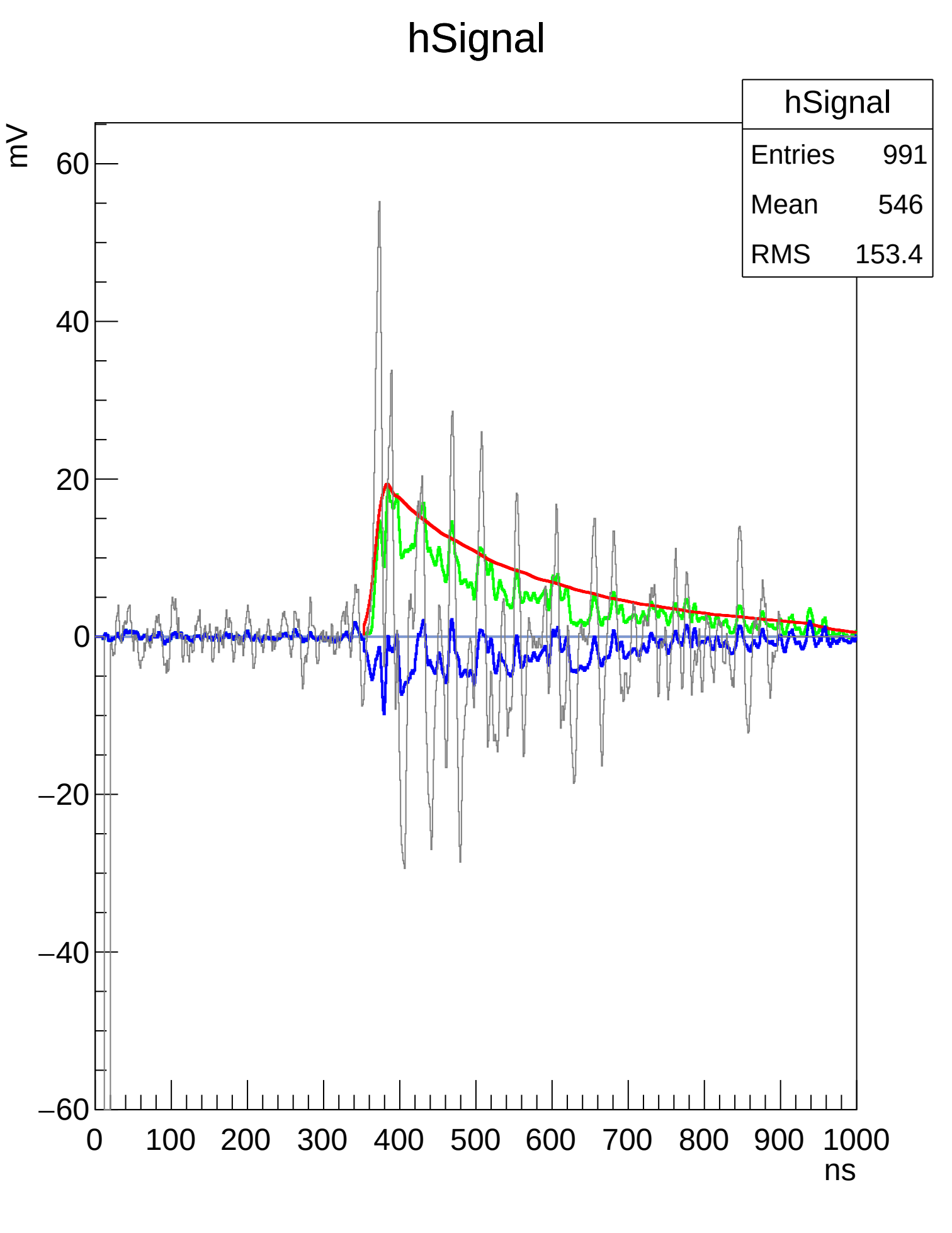
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538
RMS 158.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546
RMS 153.4
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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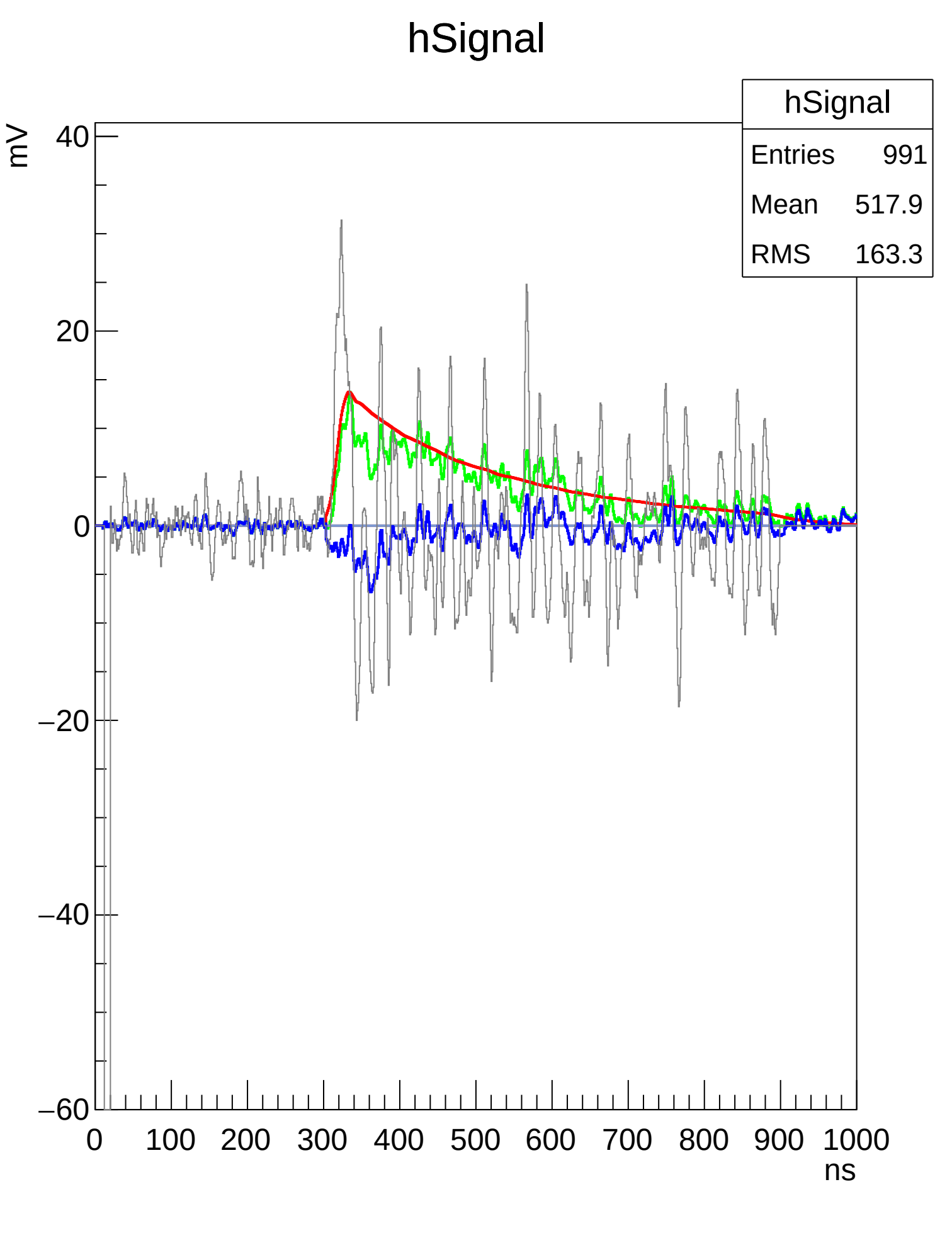
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.9
RMS 163.3
mV
40
20
0
−20
−40
−60
0
100
200
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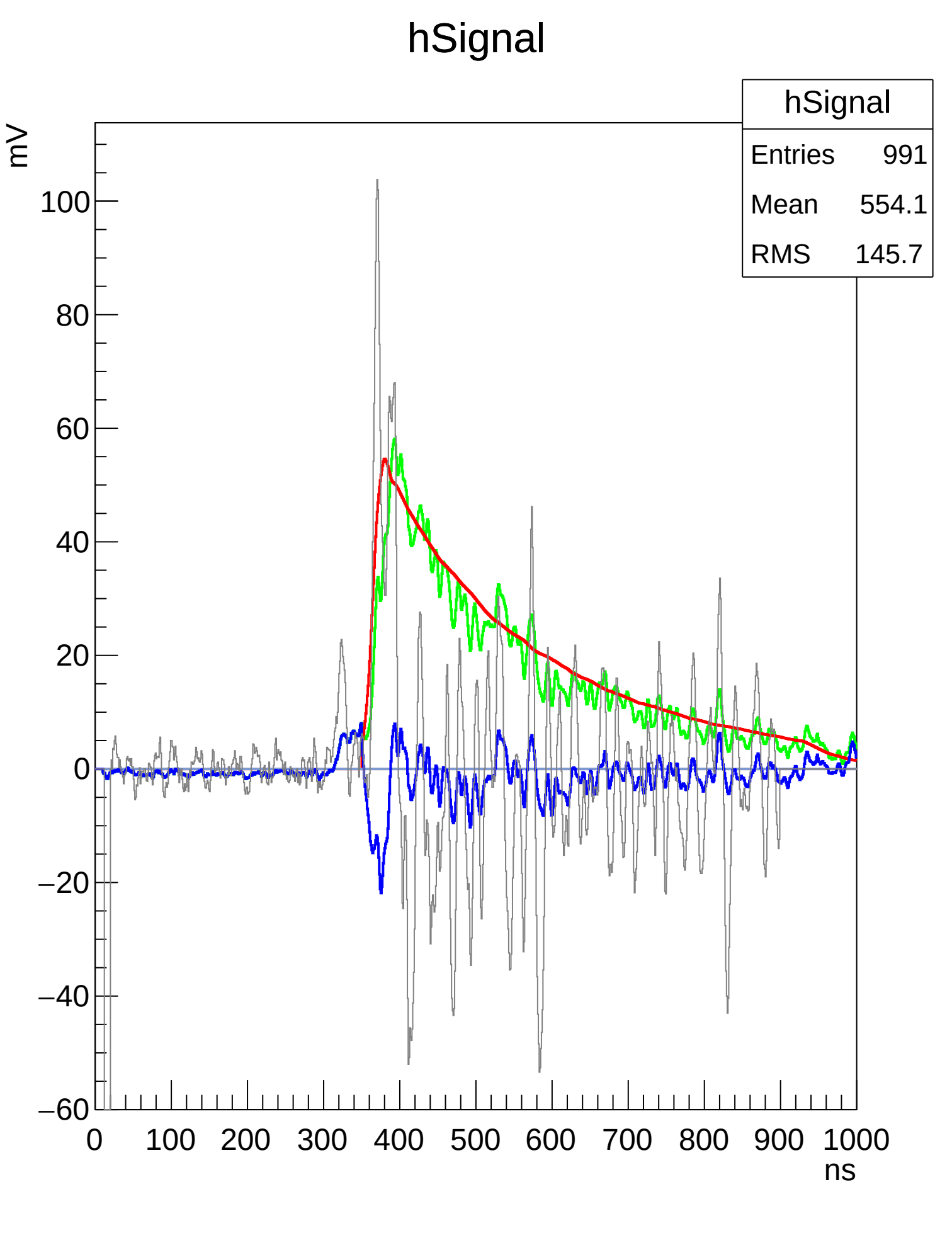
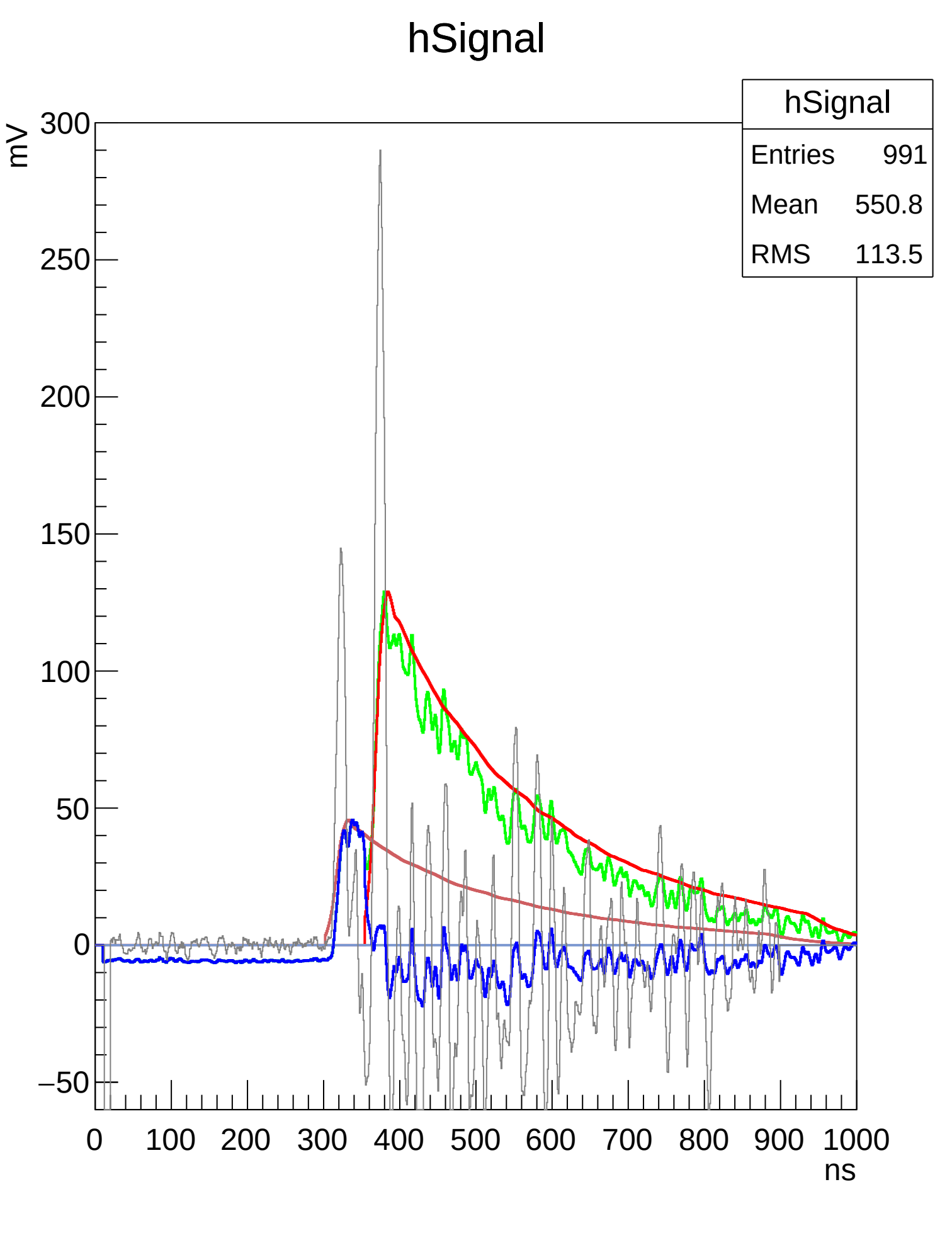
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.1
RMS 145.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.8
RMS 113.5
mV
300
250
200
150
100
50
0
−50
0
100
200
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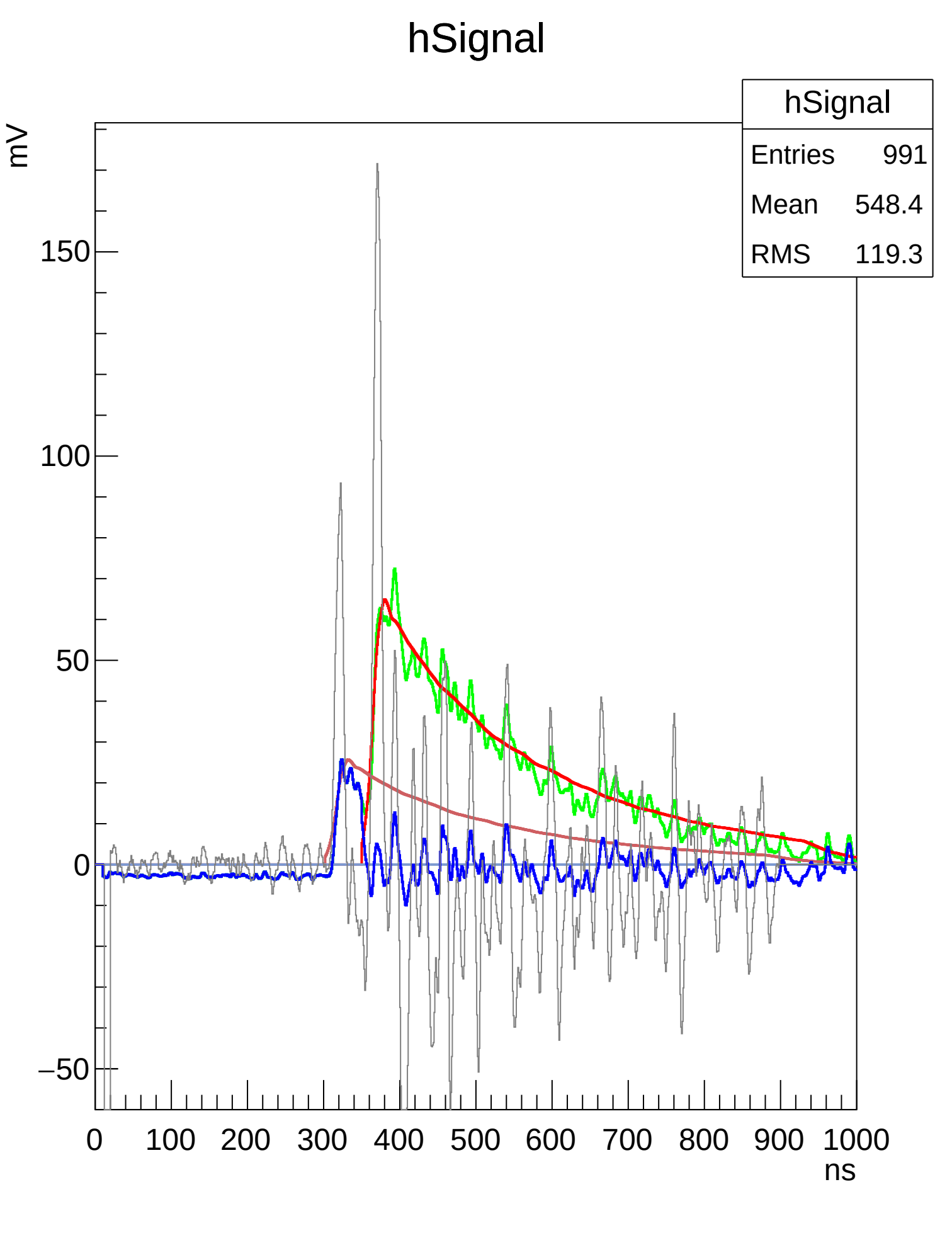
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.4
RMS 119.3
mV
150
100
50
0
−50
0
100
200
300
400
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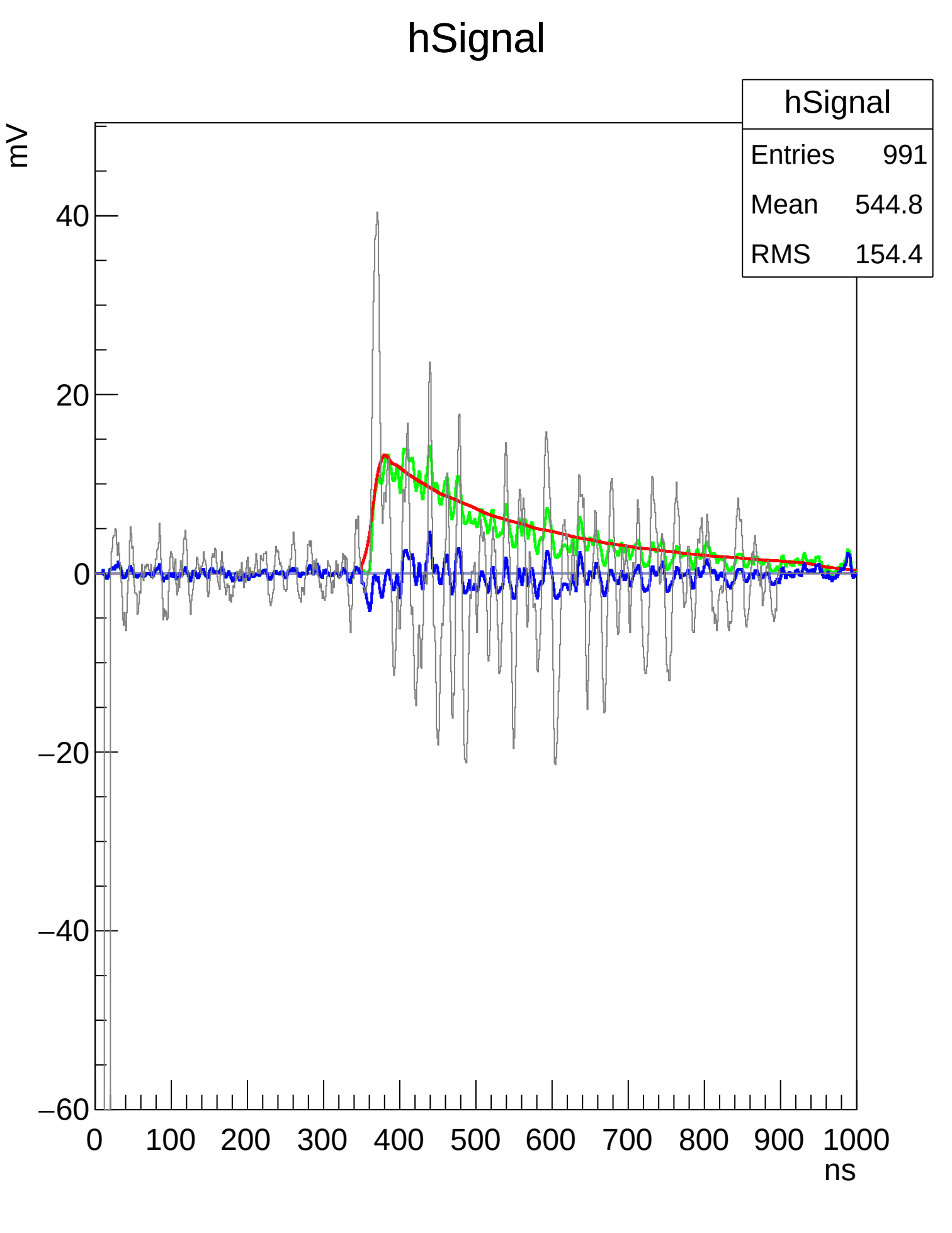
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.8
RMS 154.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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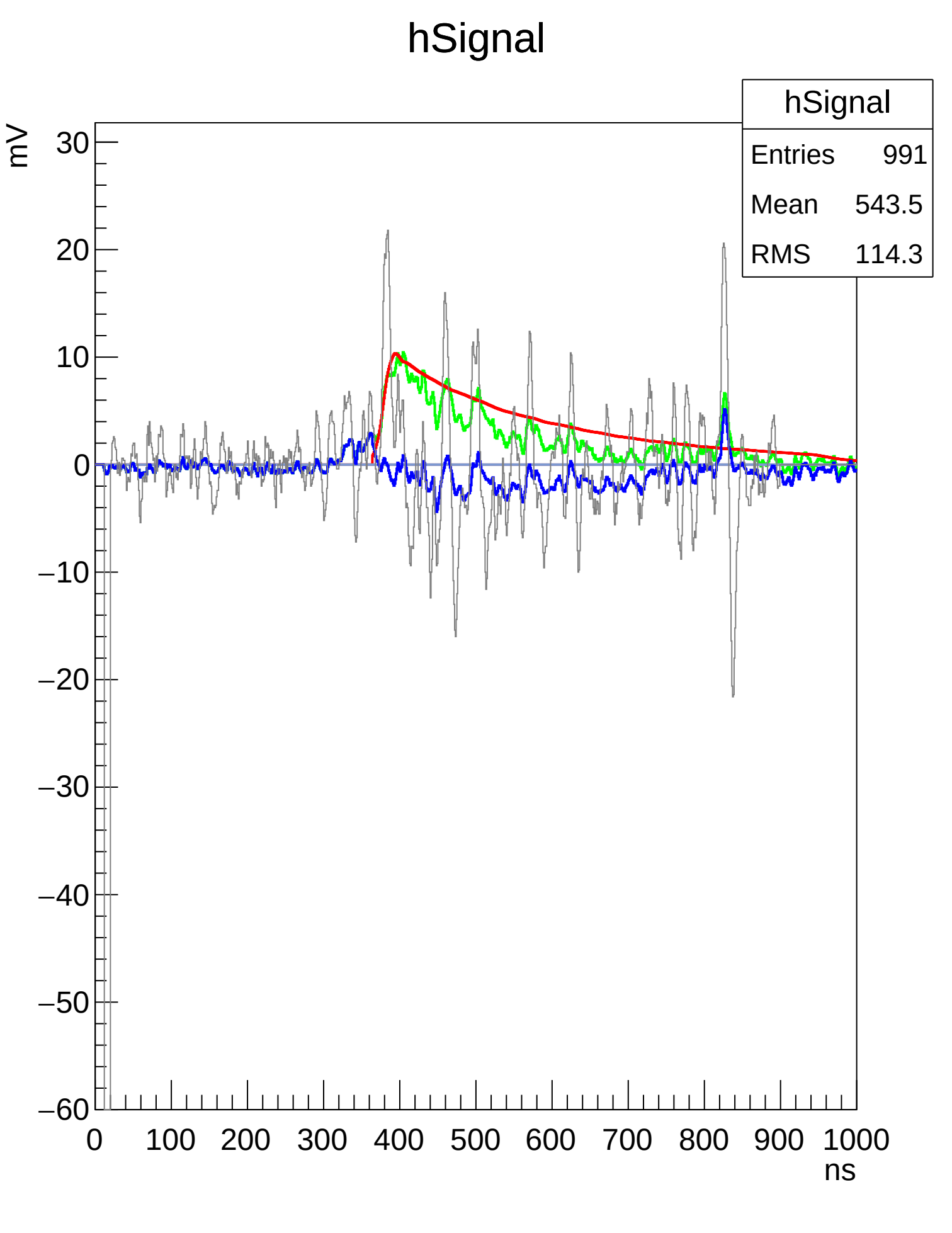
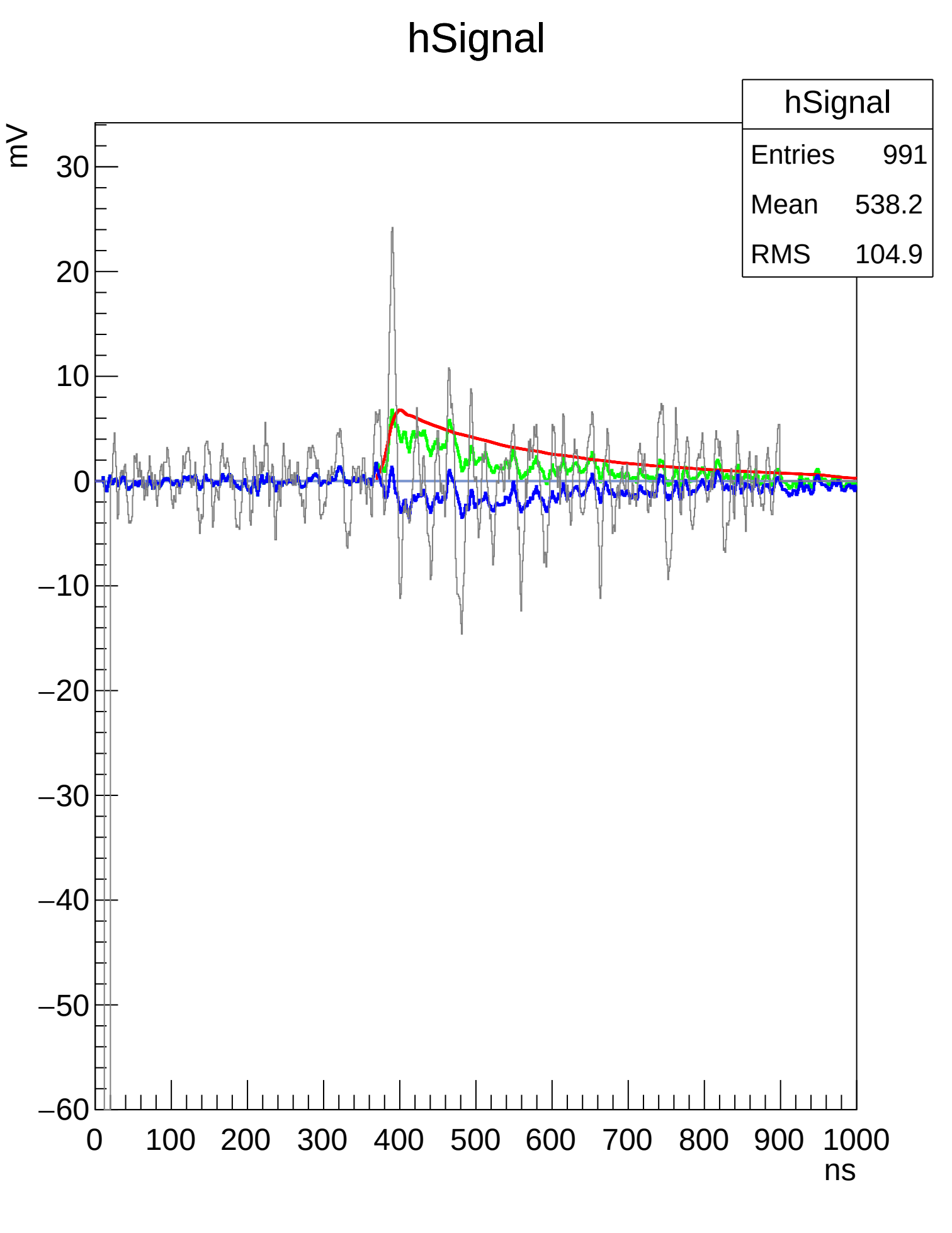
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.5
RMS 114.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.2
RMS 104.9
mV
30
20
10
0
−10
−20
−30
−40
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200
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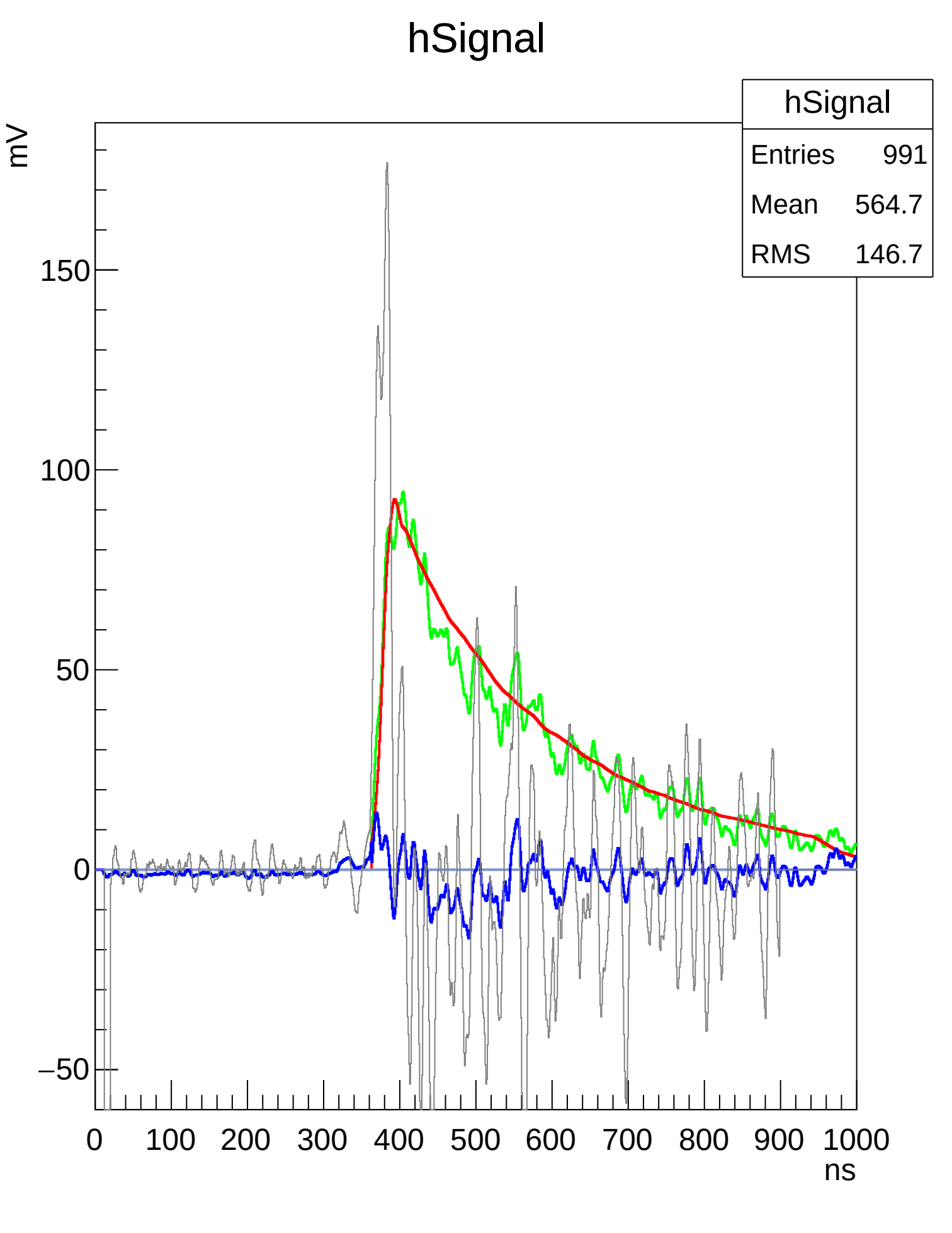
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.7
RMS 146.7
mV
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100
50
0
−50
0
100
200
300
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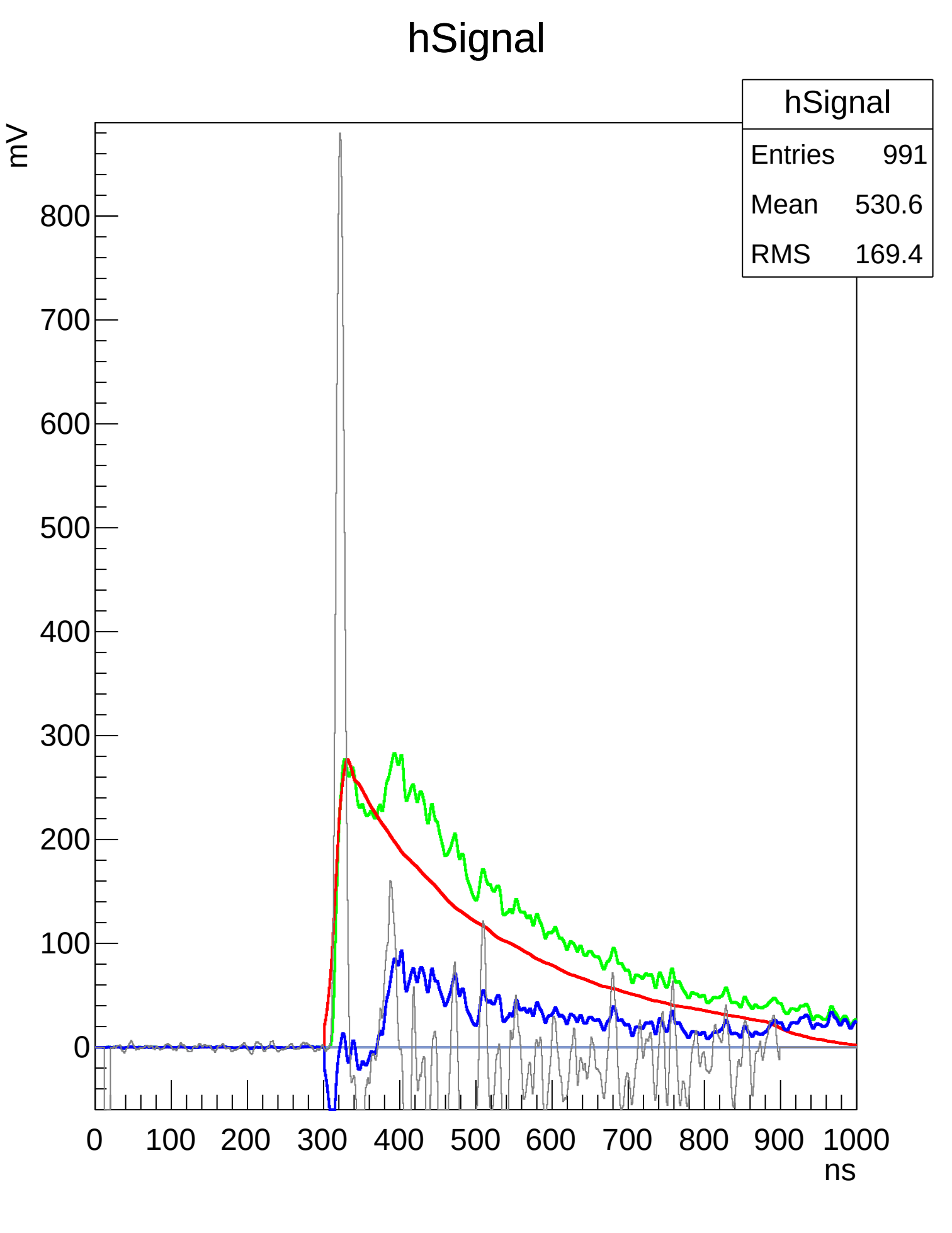
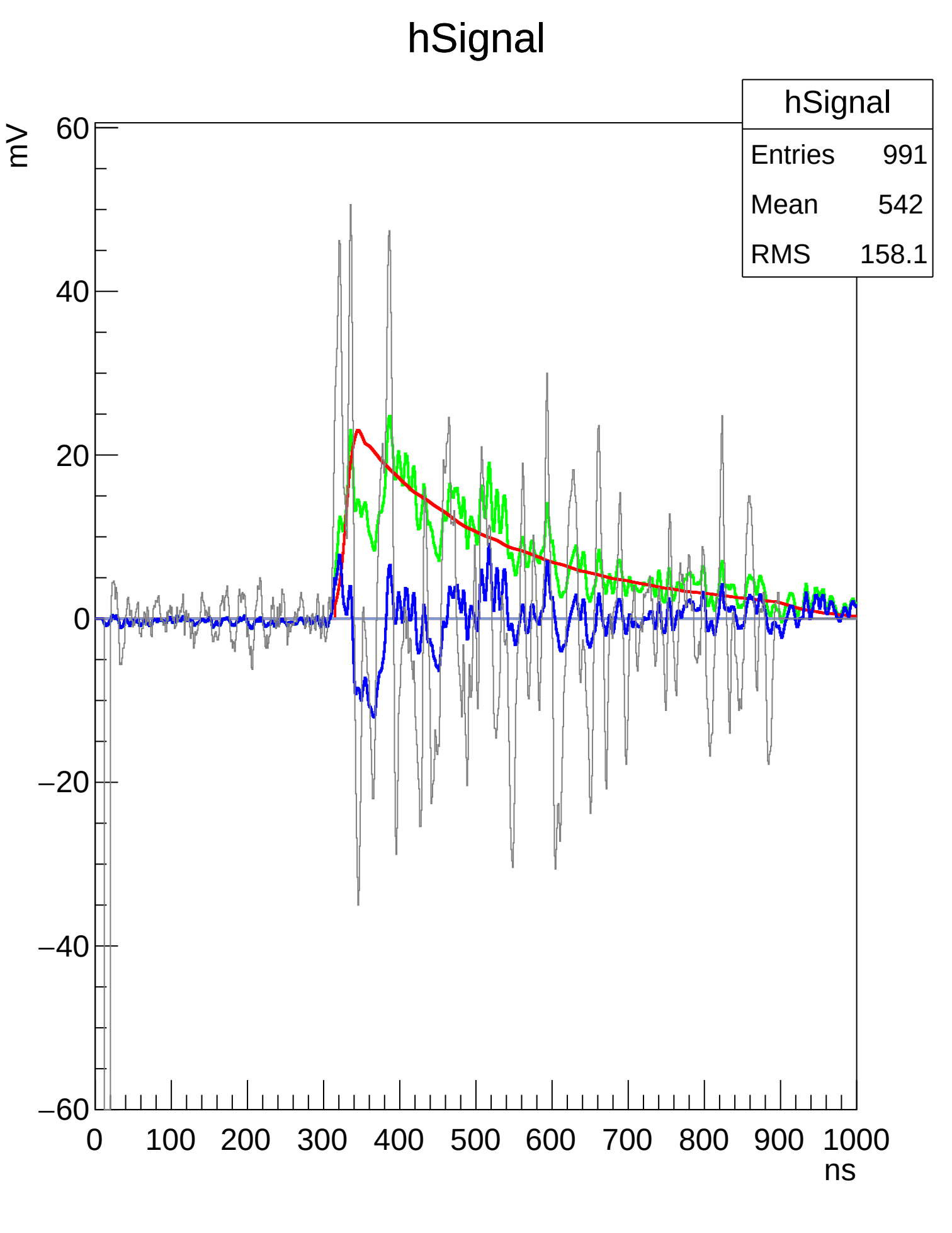
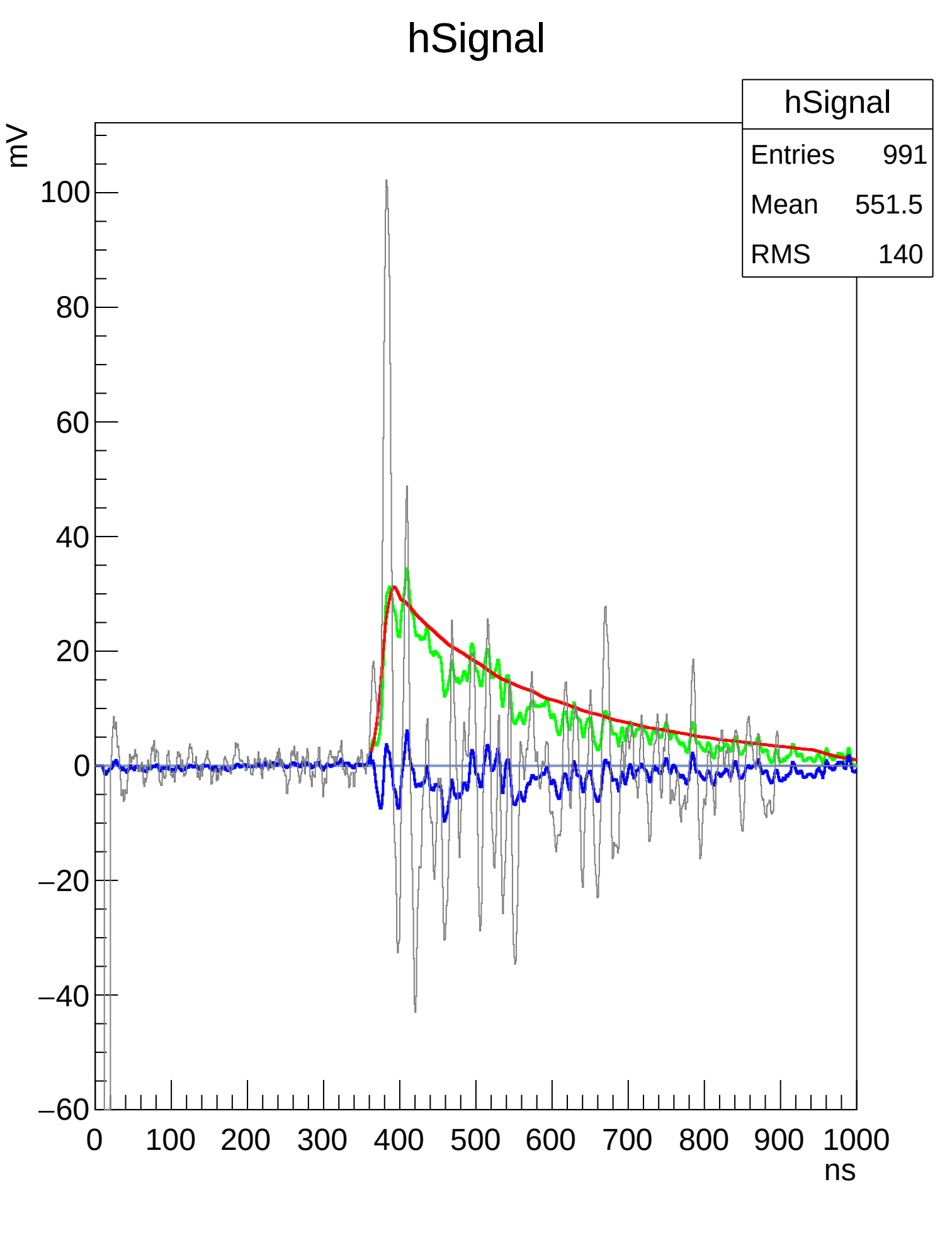
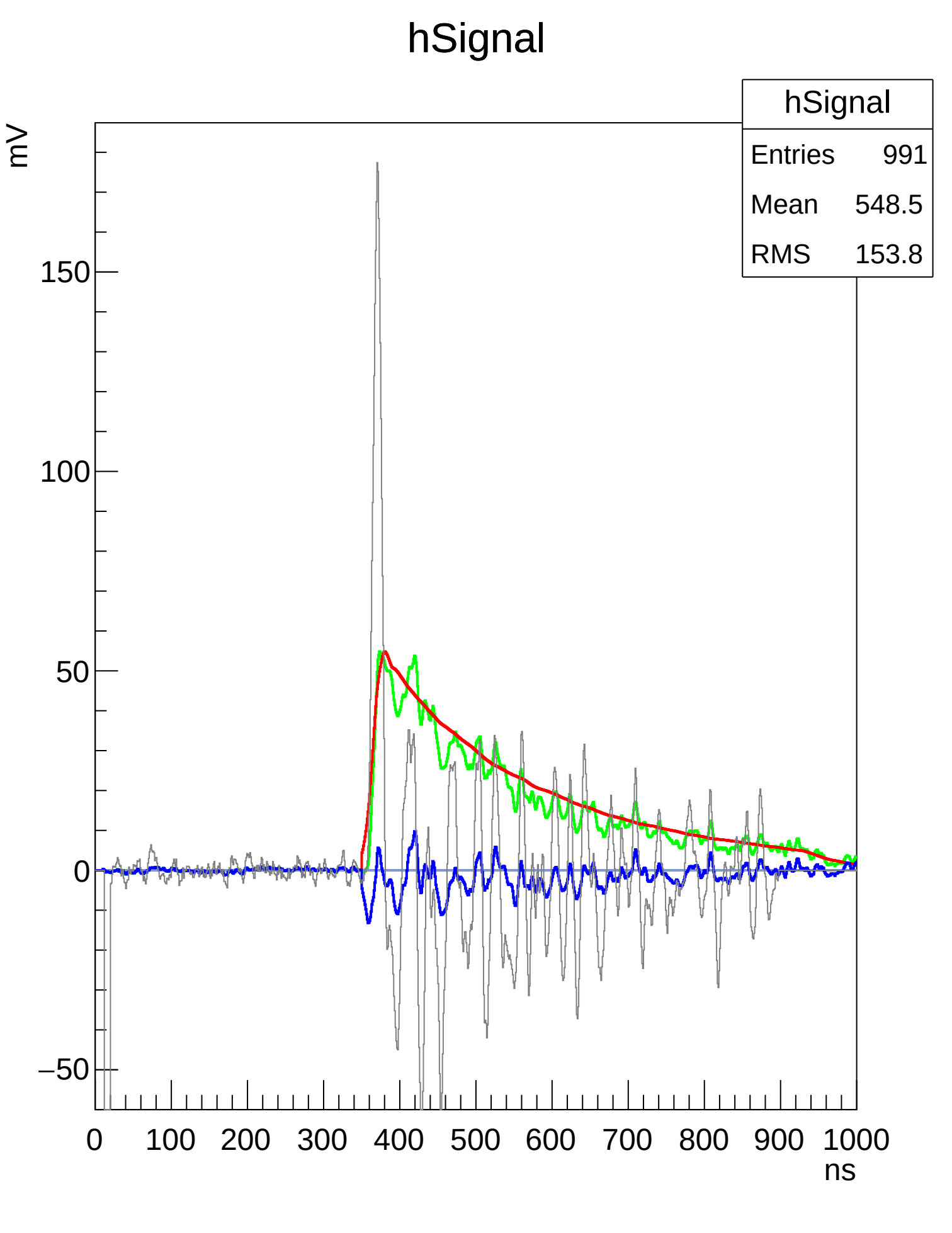
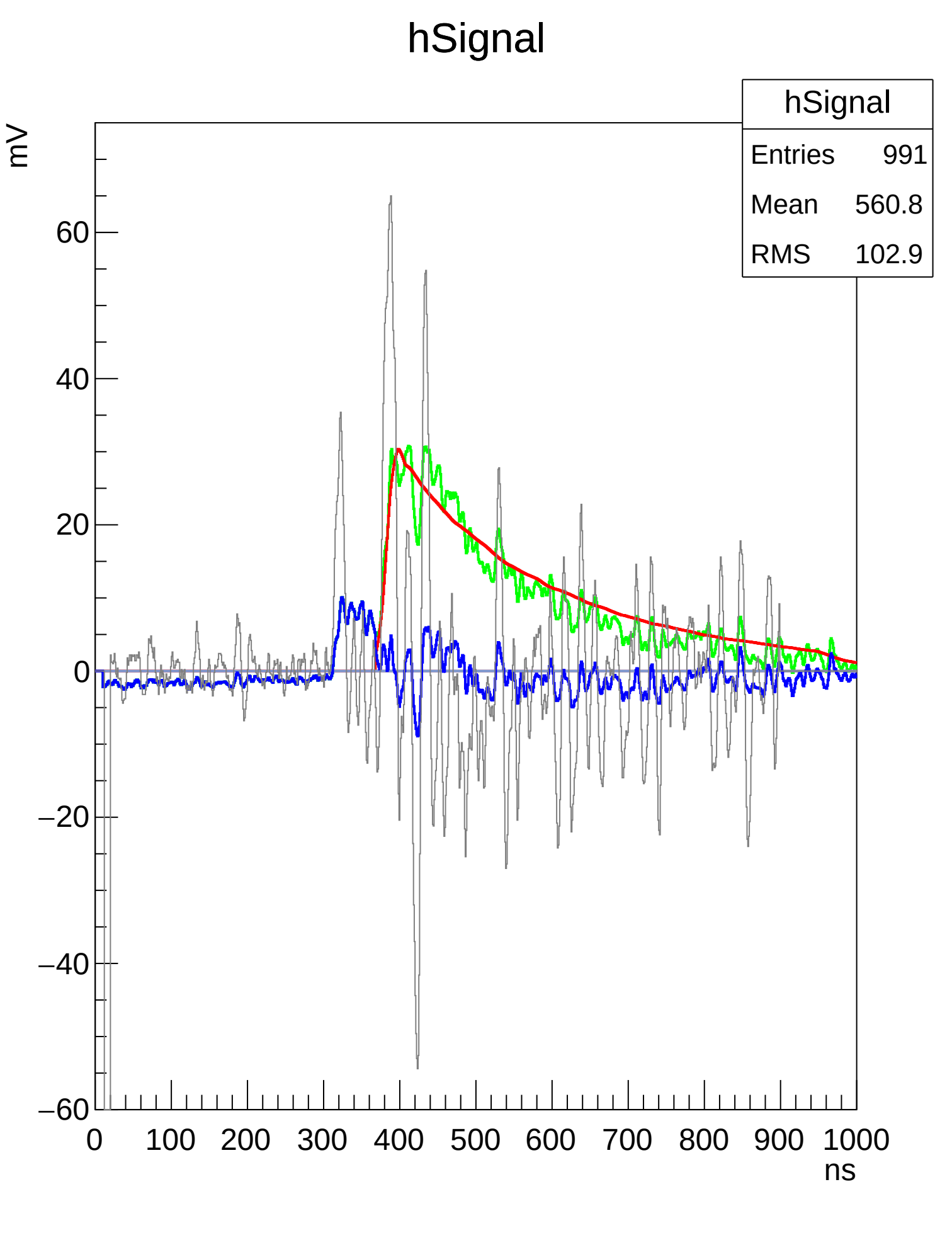
600
700
800
900
1000
ns

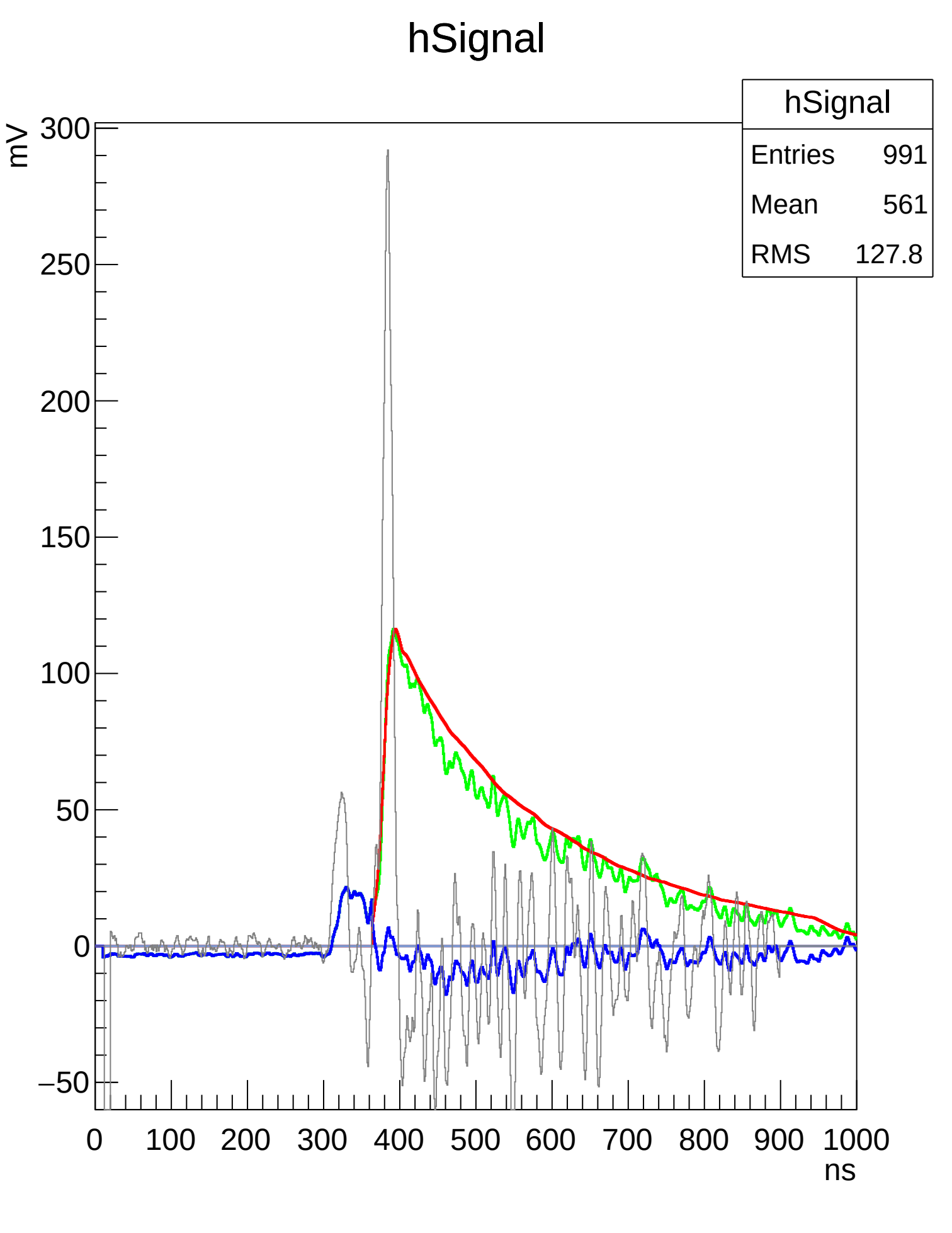

hSignal
hSignal
Entries 991
Mean 530.6
RMS 169.4
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

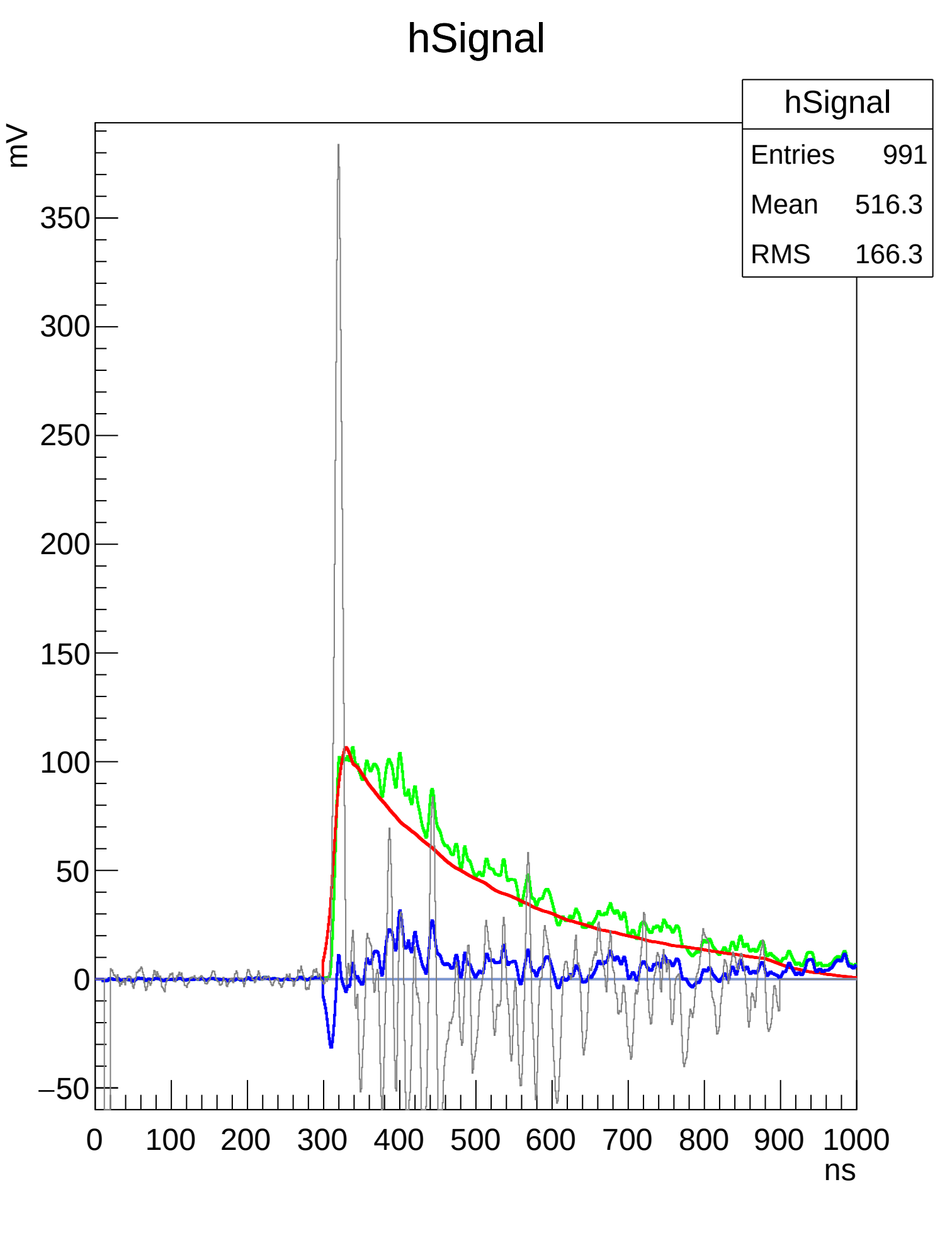

hSignal
hSignal
Entries 991
Mean 542
RMS 158.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

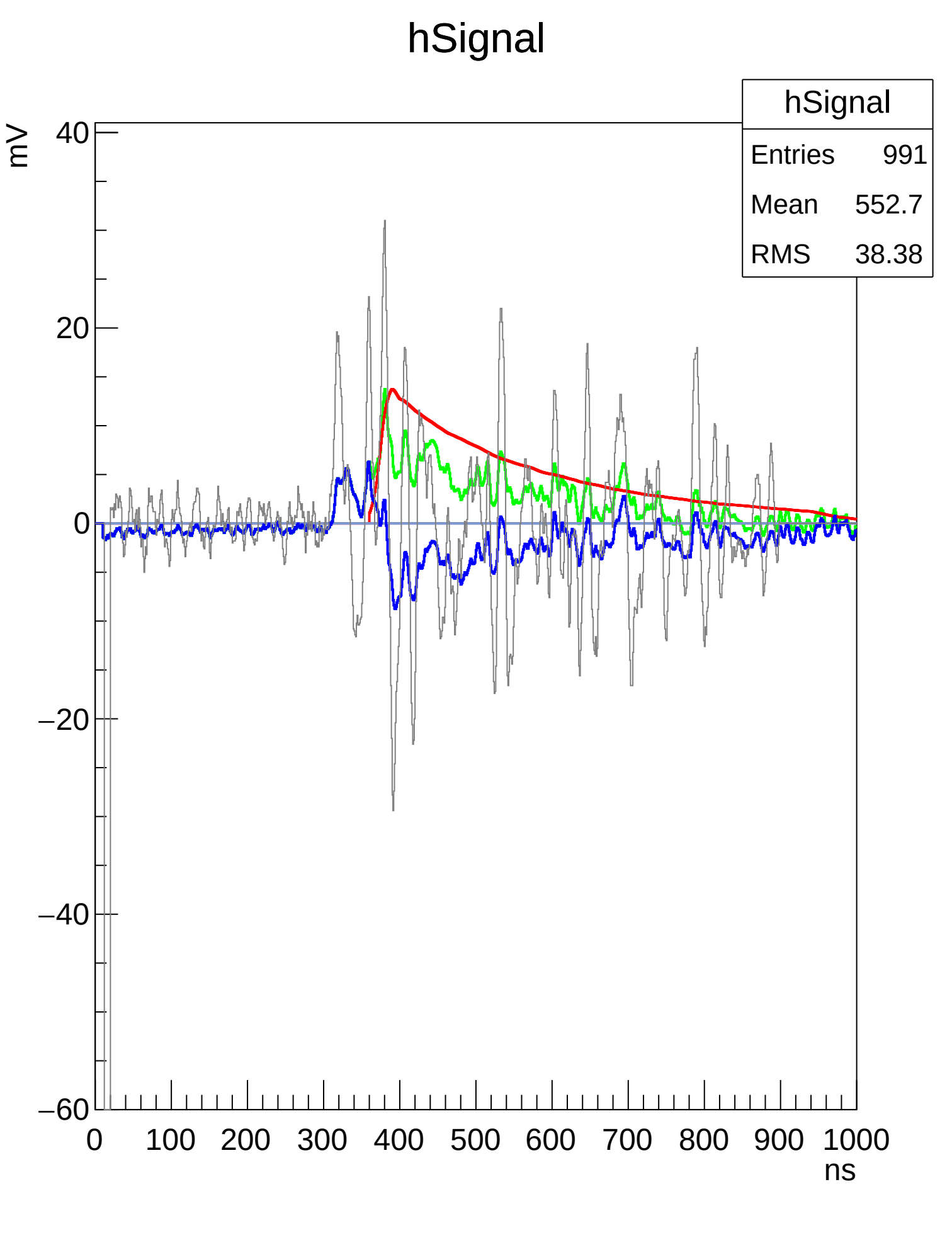

hSignal
hSignal
Entries 991
Mean 551.5
RMS 140
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.5
RMS 153.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.8
RMS 102.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561
RMS 127.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.3
RMS 166.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.7
RMS 38.38
mV
40
20
0
−20
−40
−60
0
100
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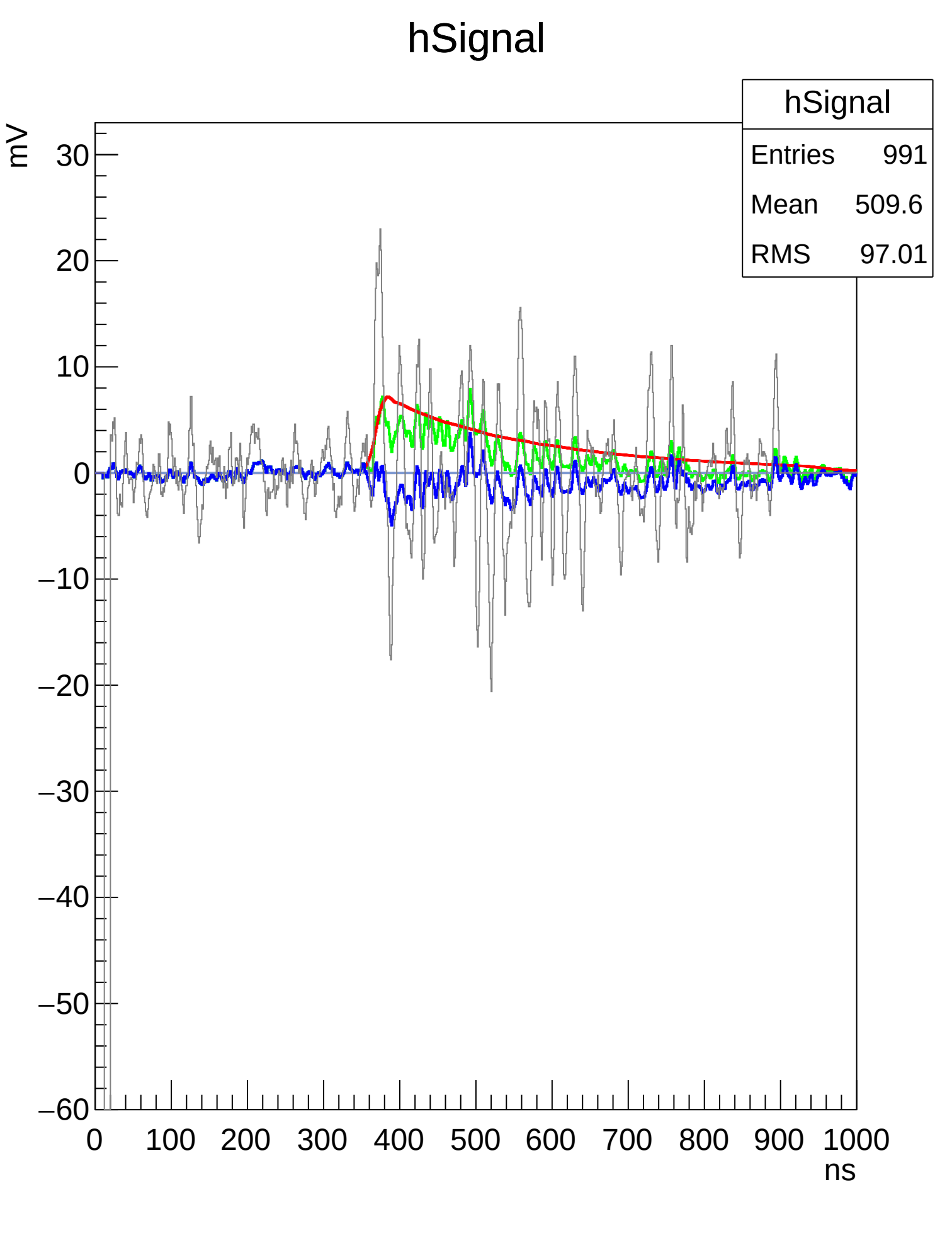
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.6
RMS 97.01
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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800
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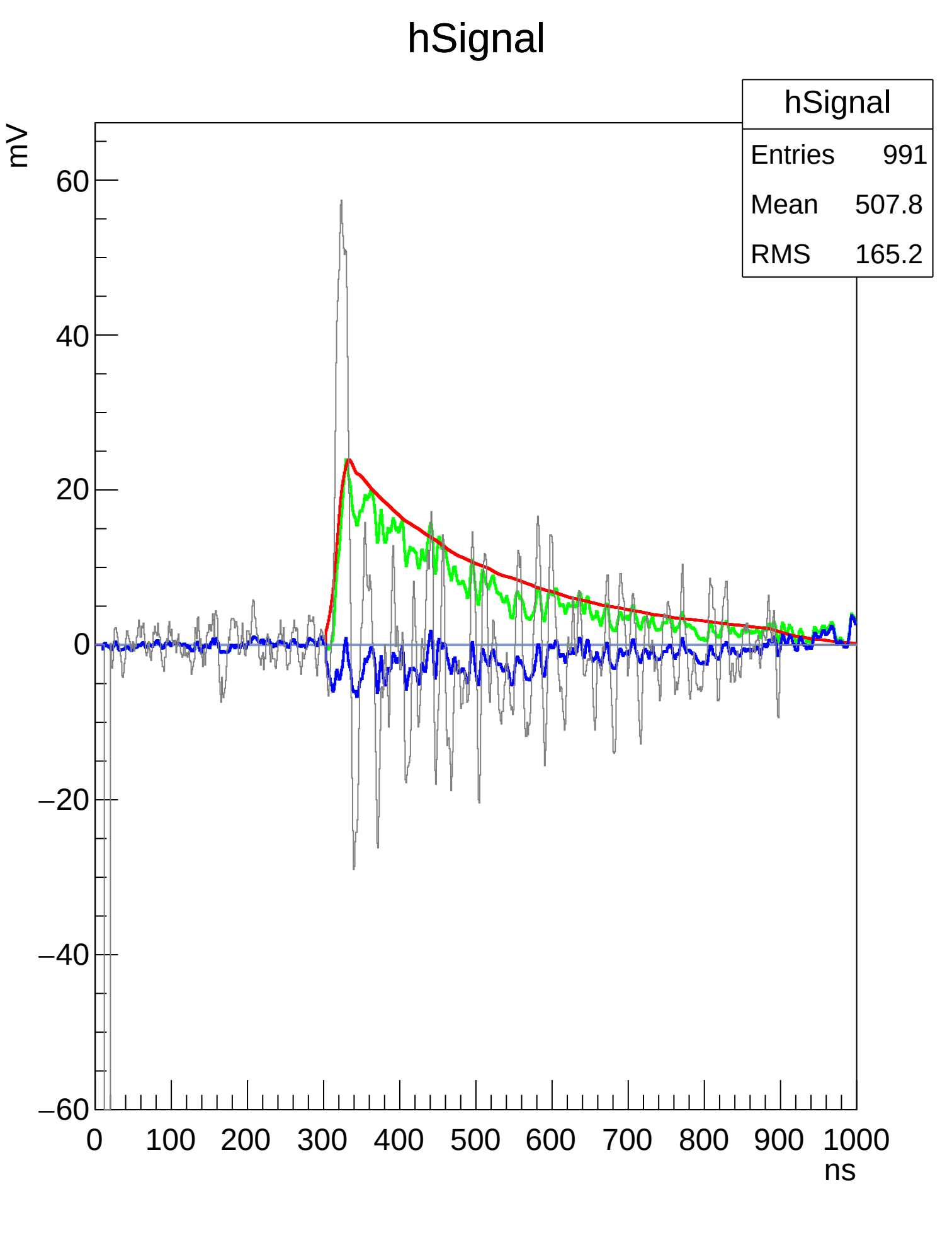
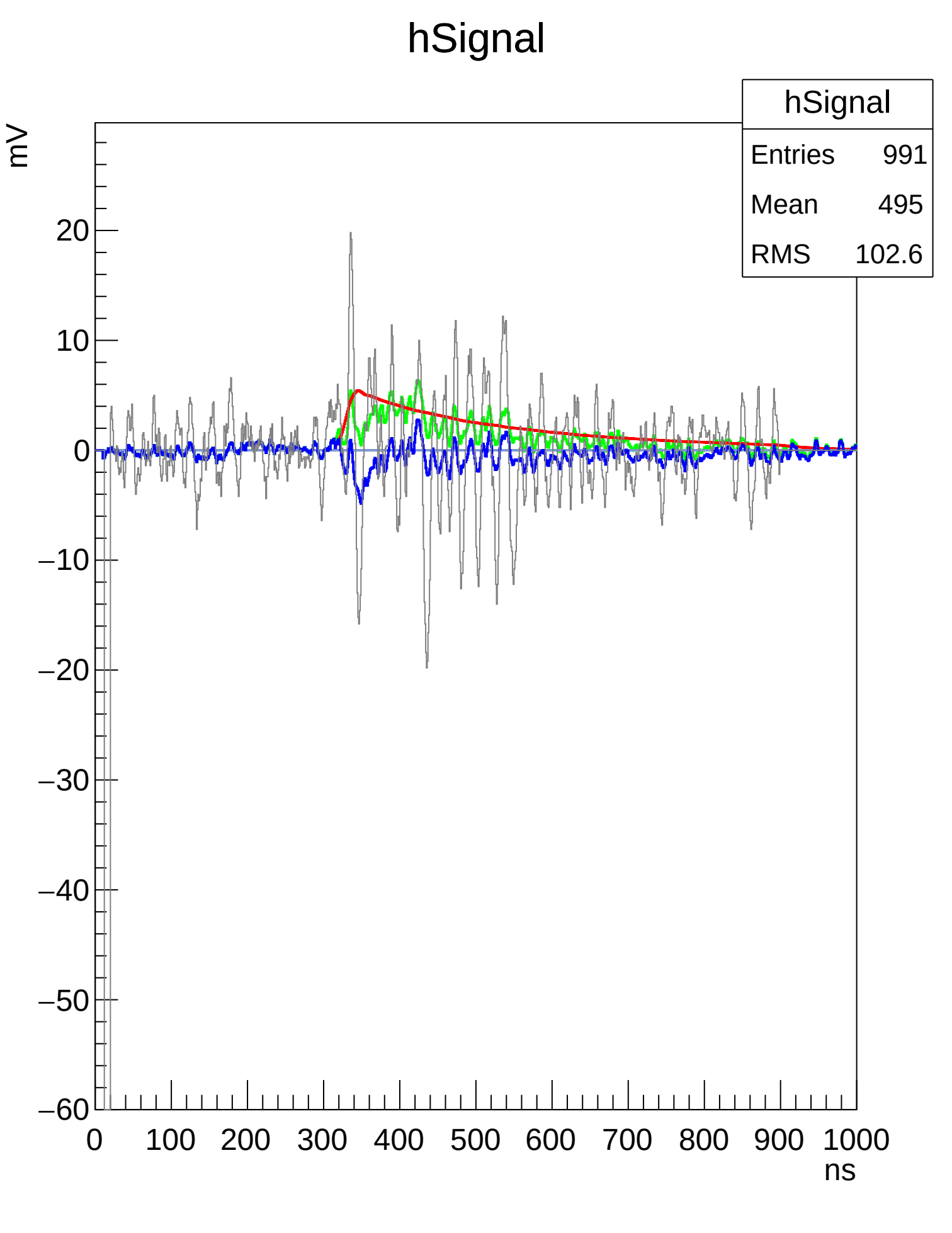
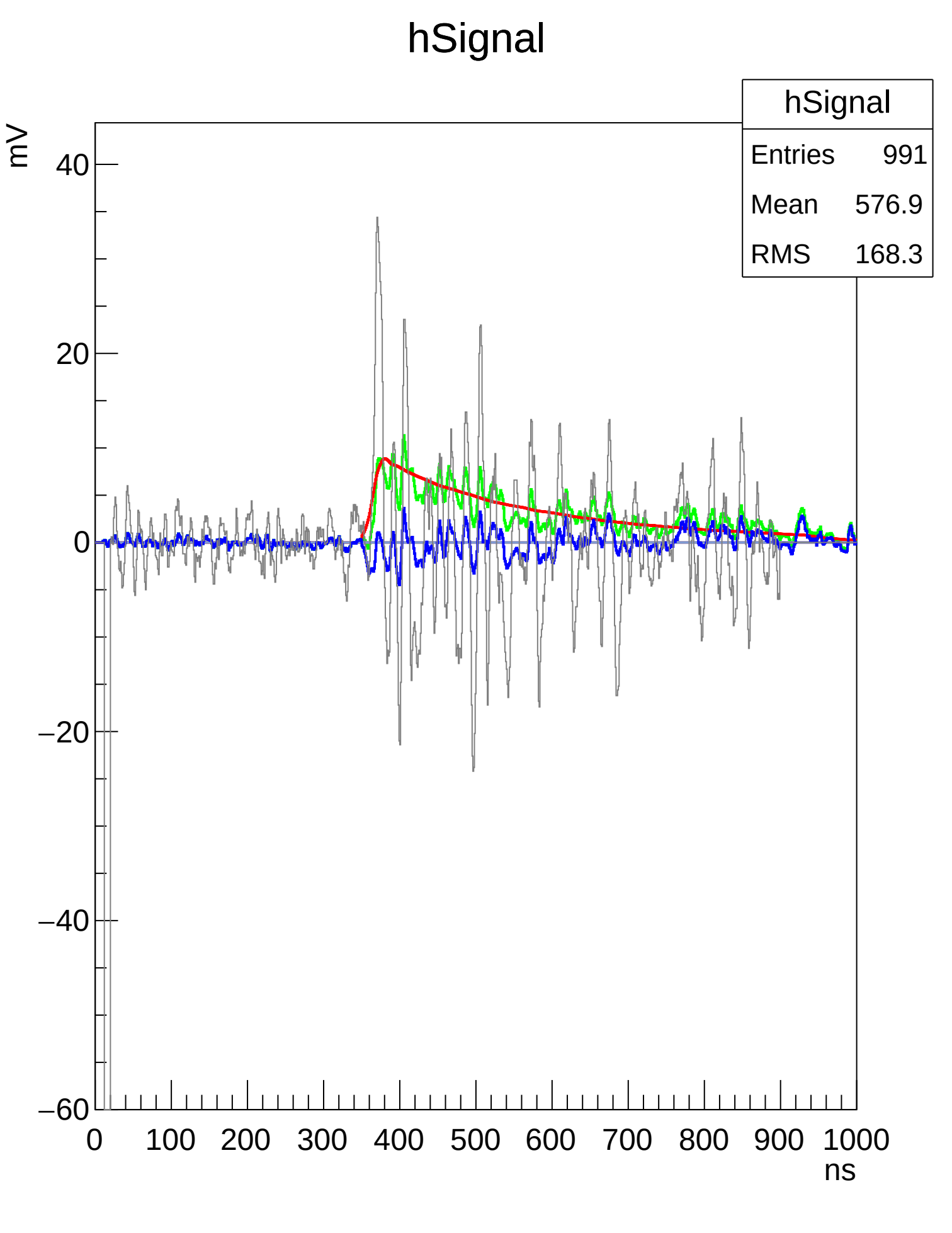
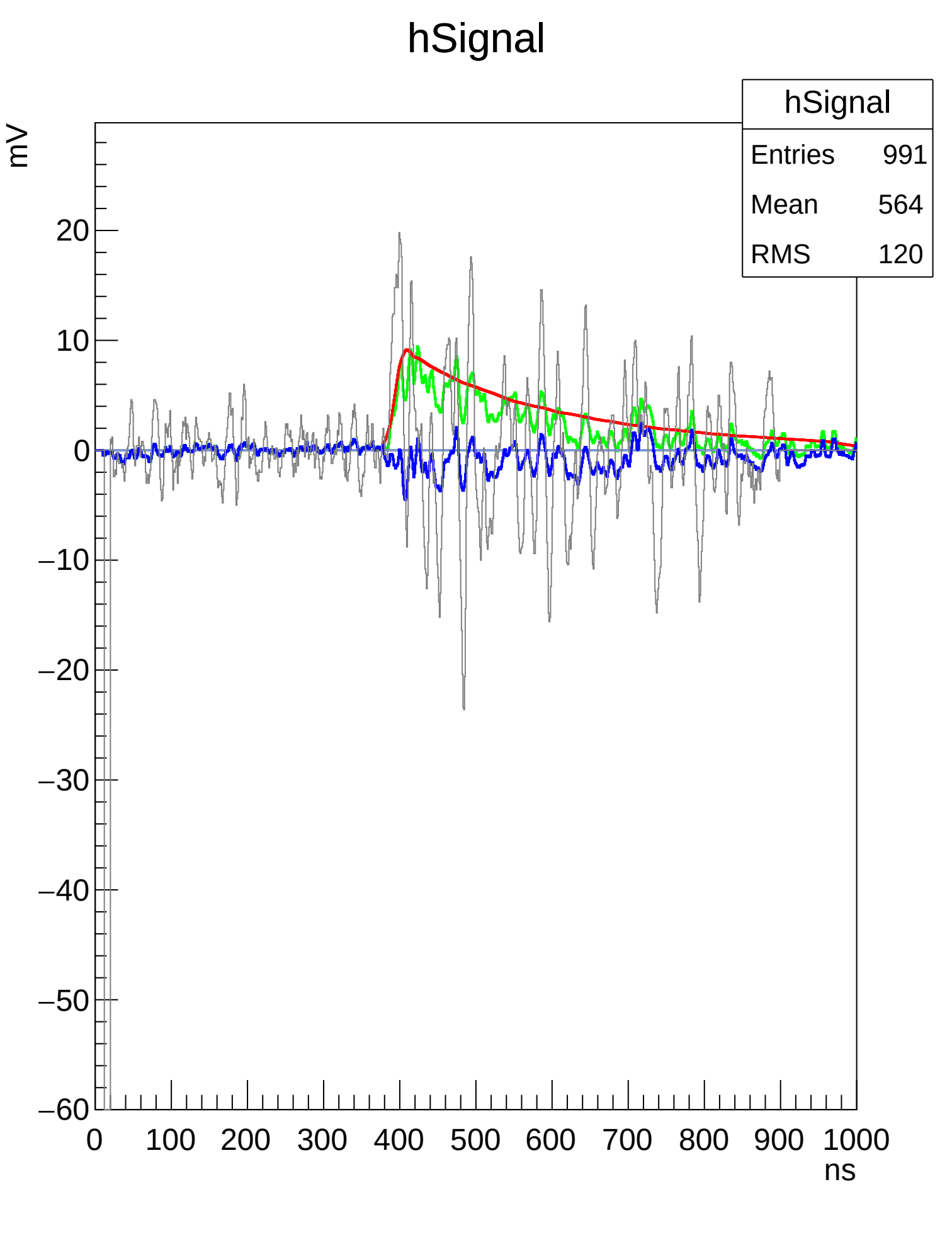
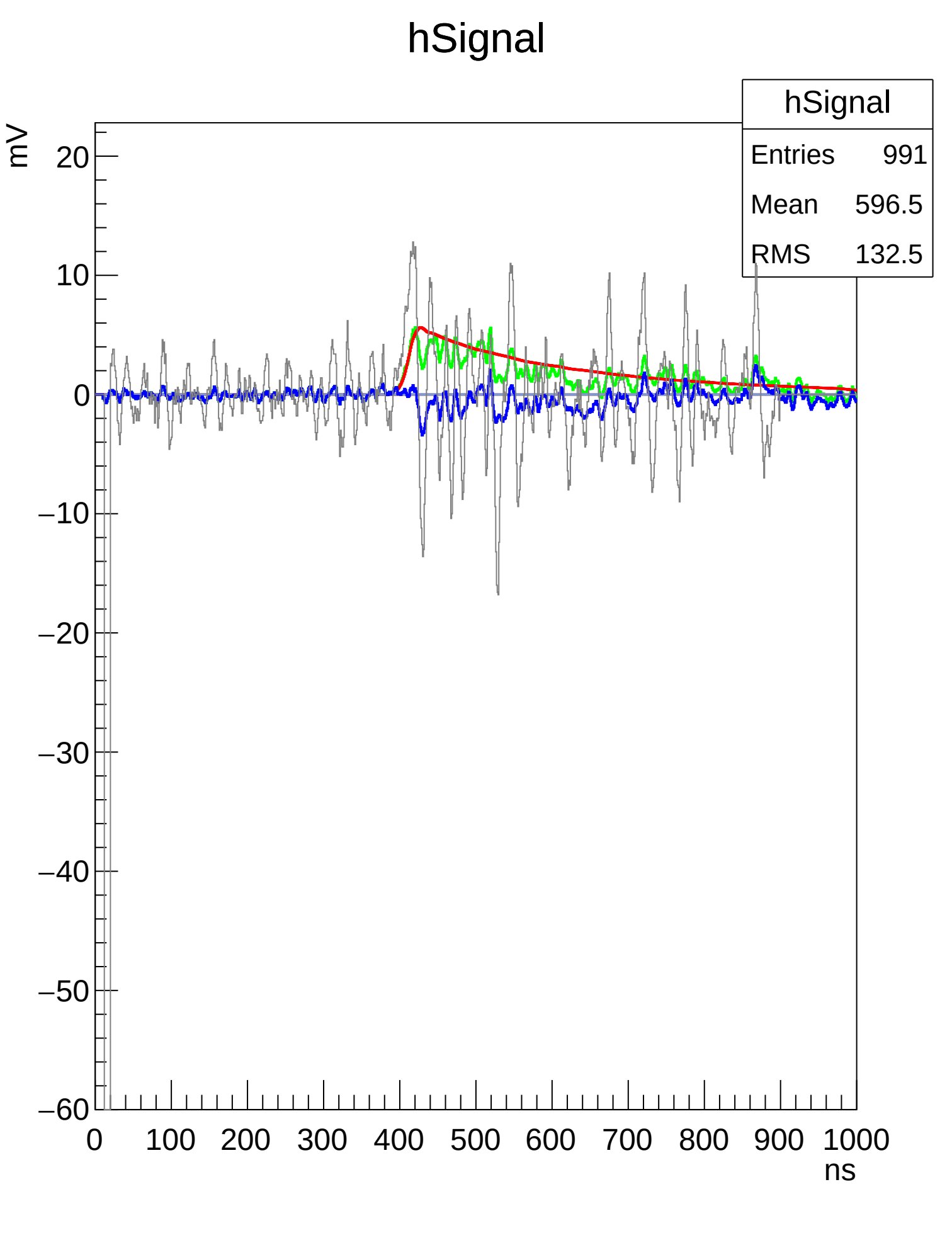
1000
ns

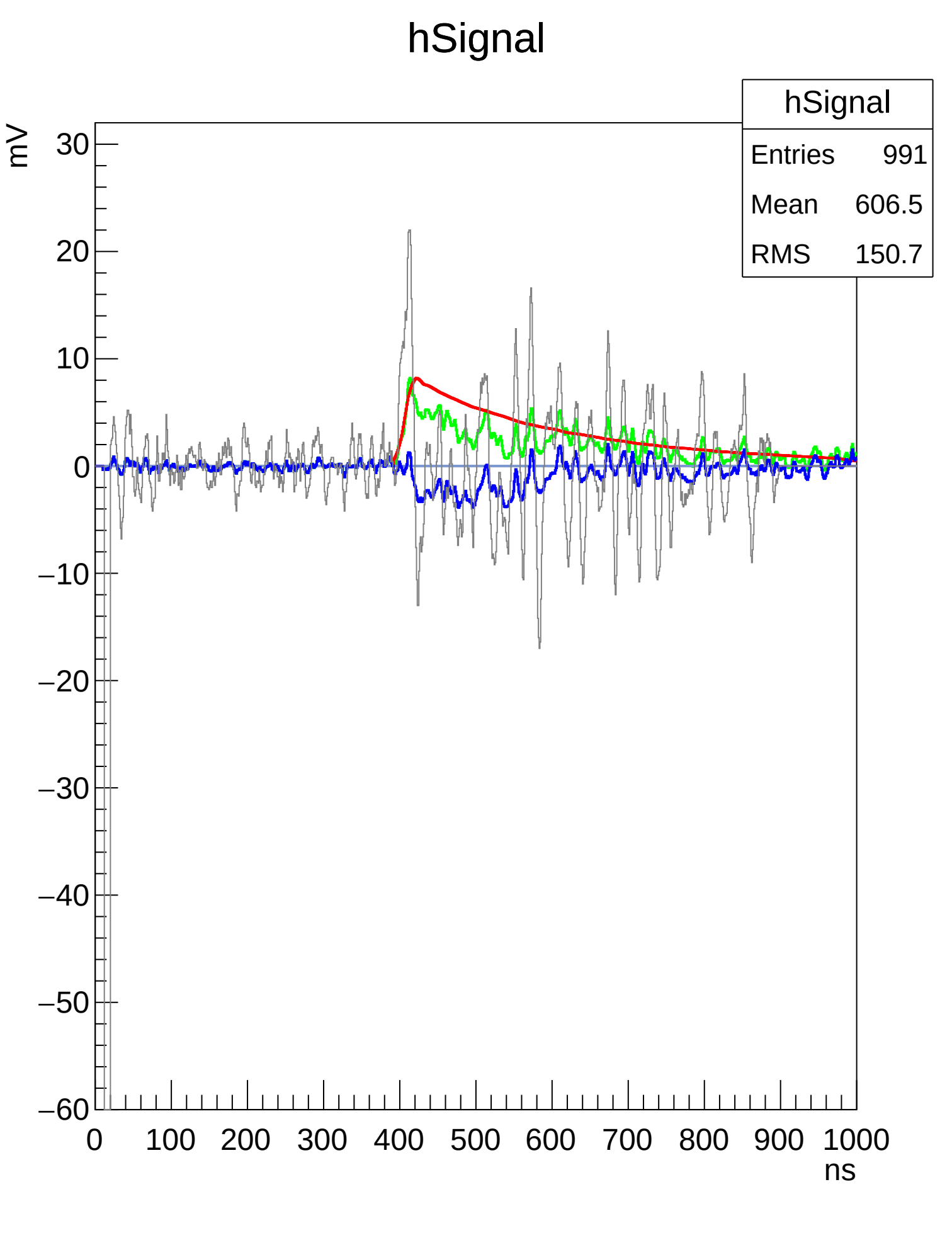

hSignal
hSignal
Entries 991
Mean 507.8
RMS 165.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495
RMS 102.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.9
RMS 168.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564
RMS 120
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.5
RMS 132.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.5
RMS 150.7
mV
30
20
10
0
−10
−20
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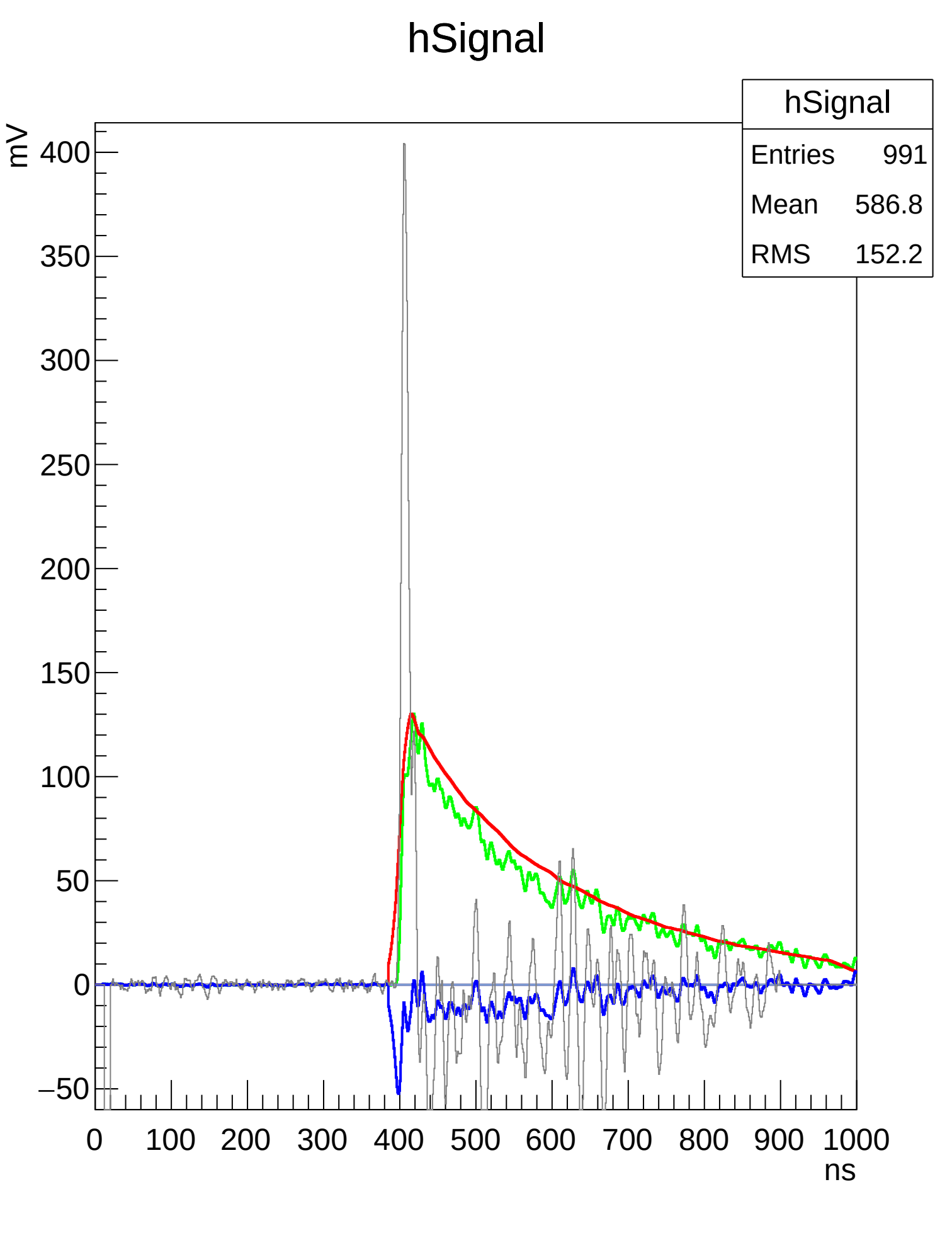
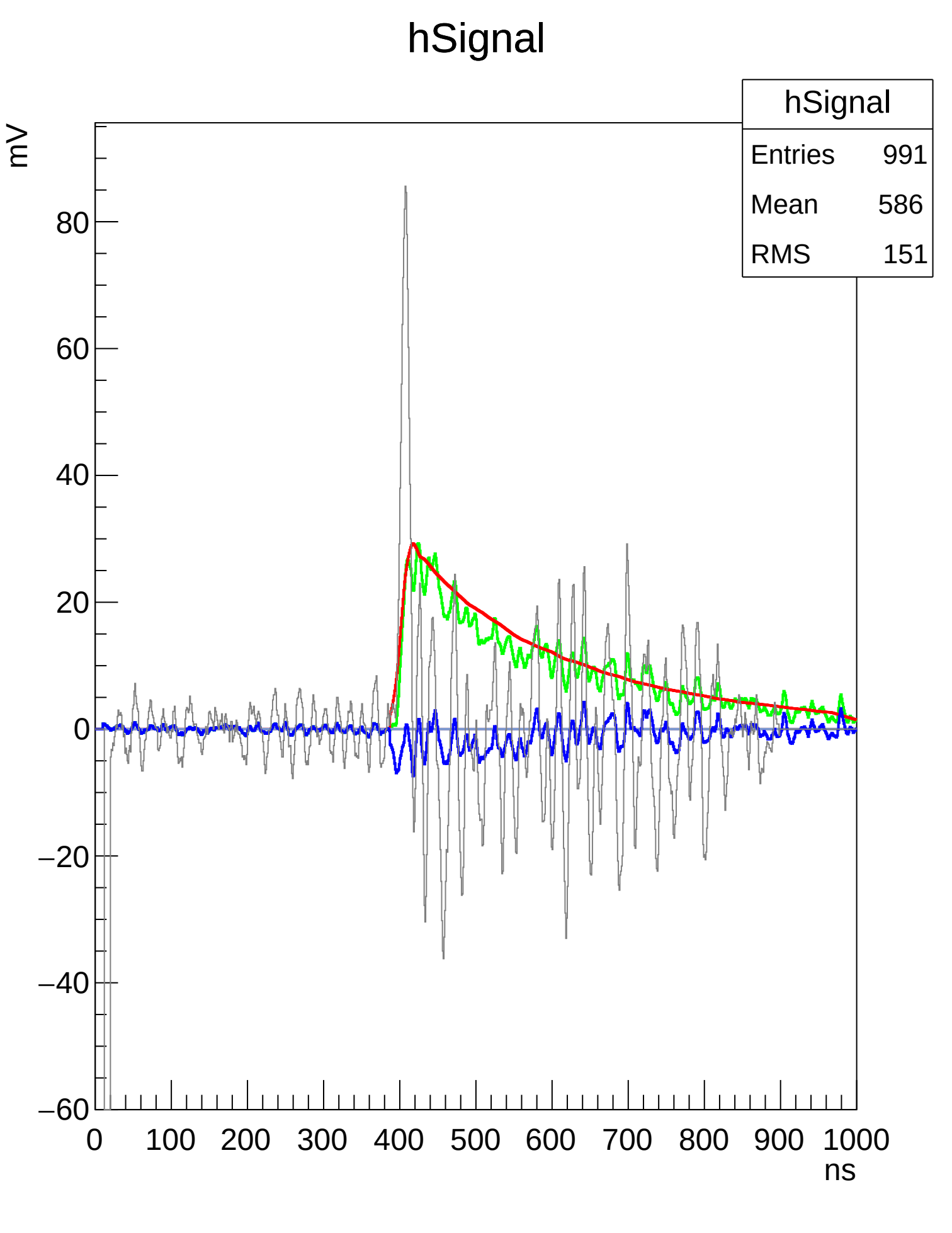
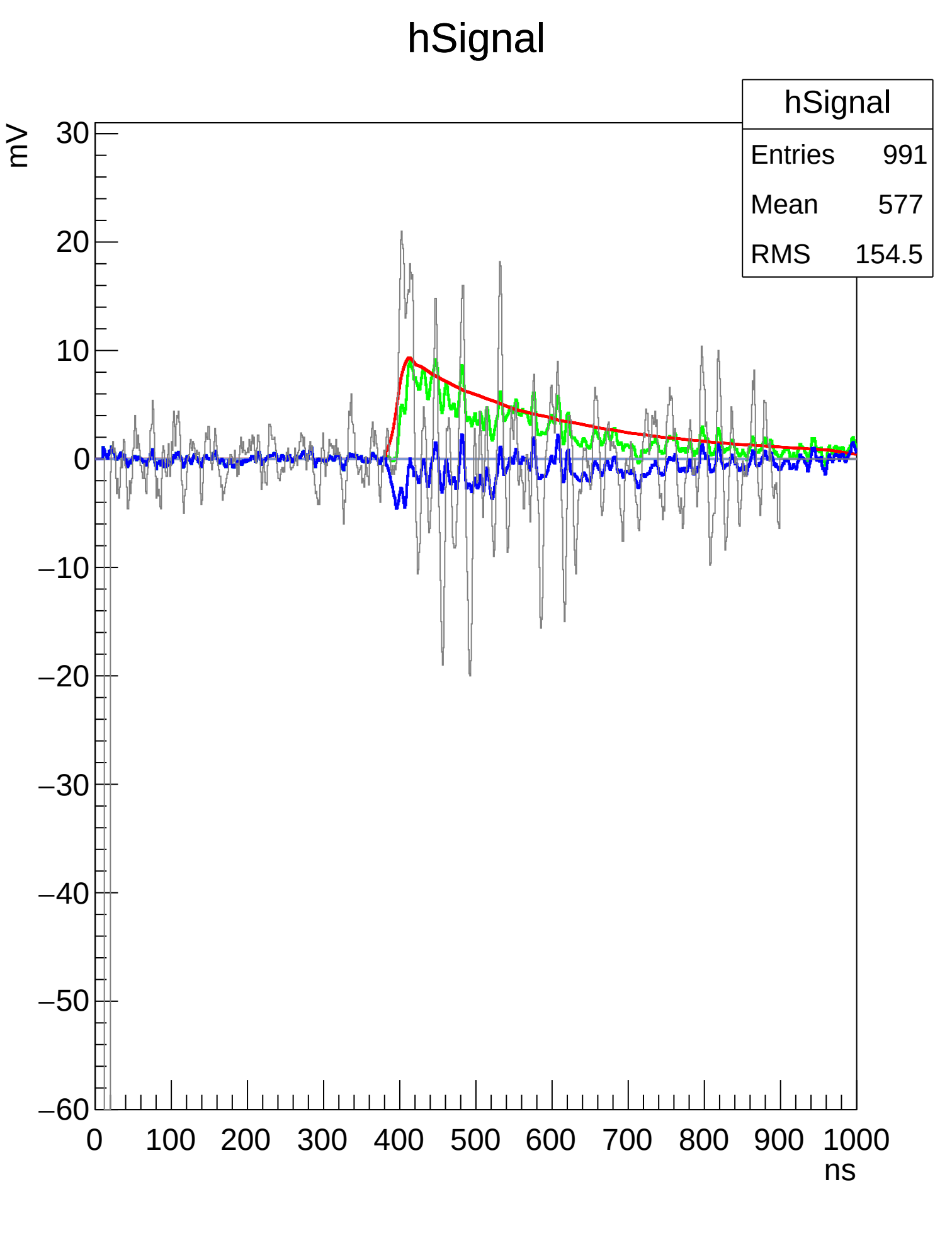
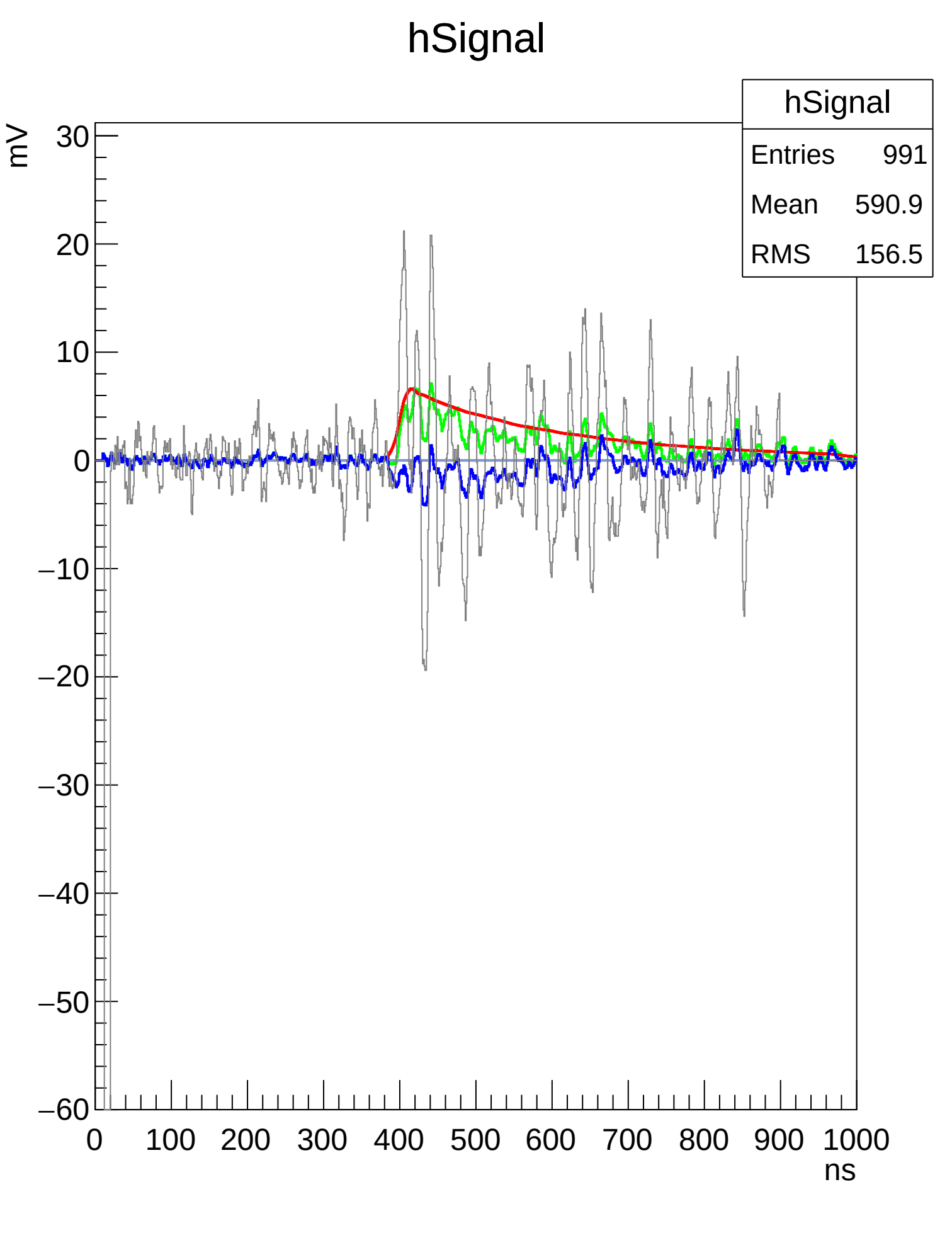
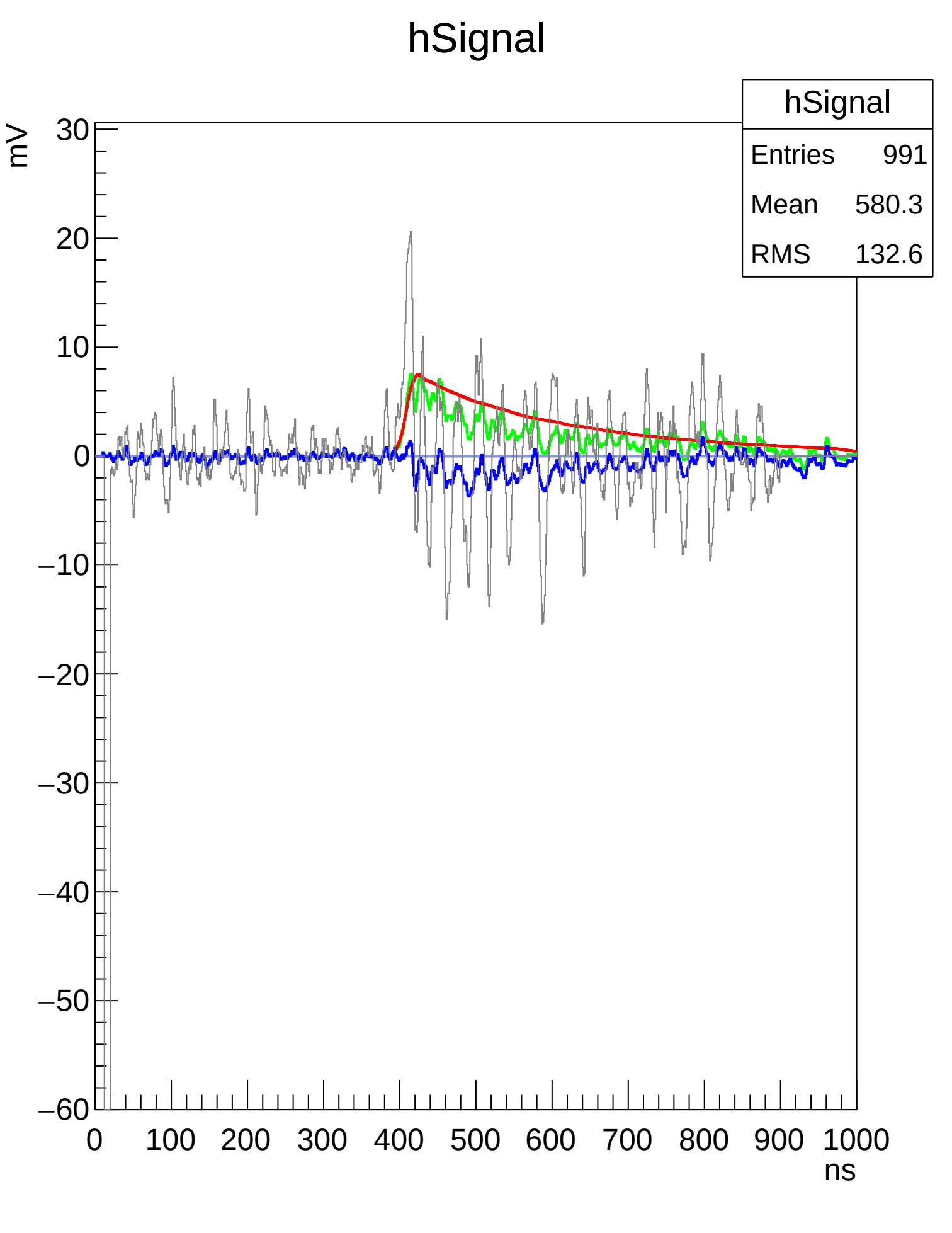
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.8
RMS 152.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586
RMS 151
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 154.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.9
RMS 156.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.3
RMS 132.6
mV
30
20
10
0
−10
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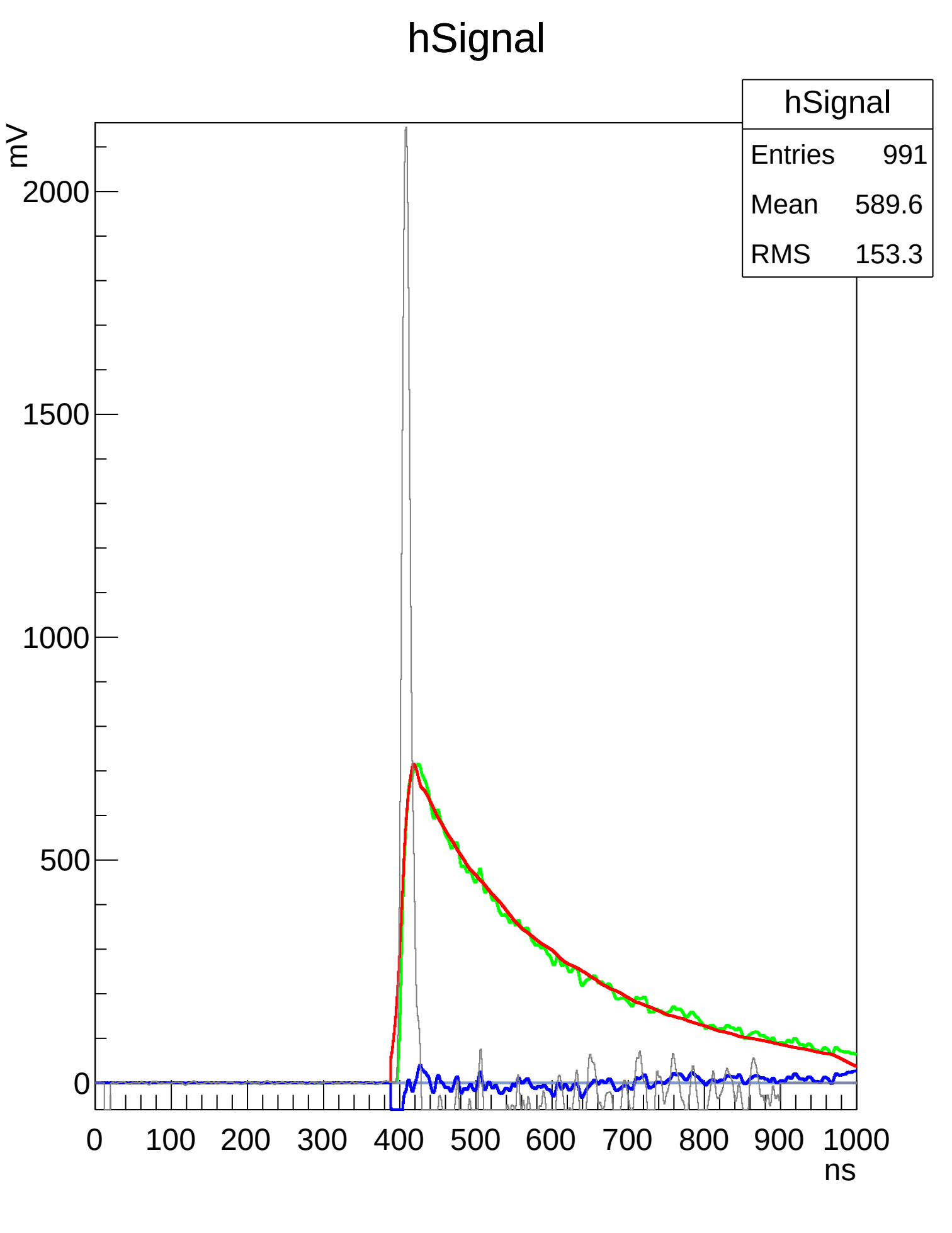
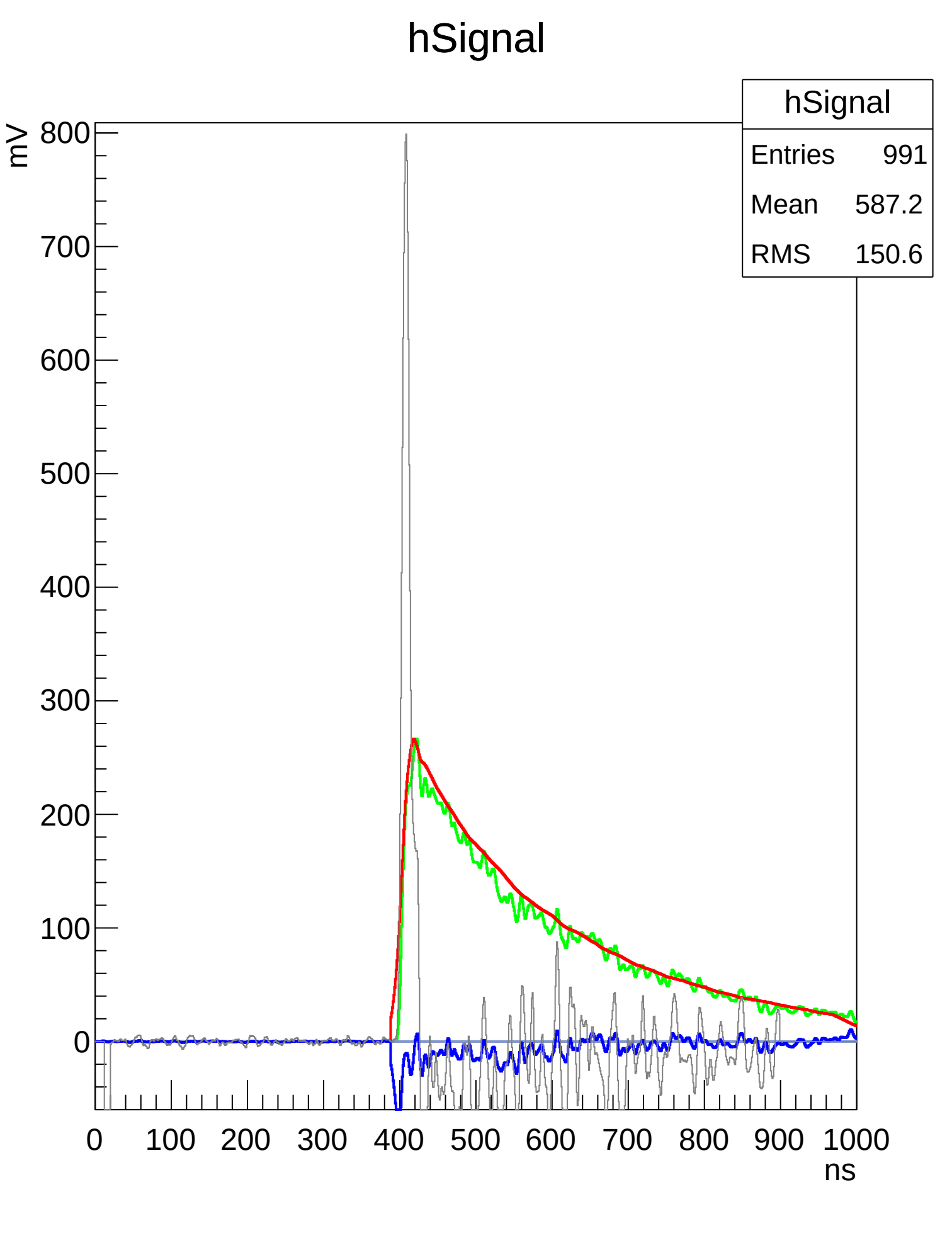
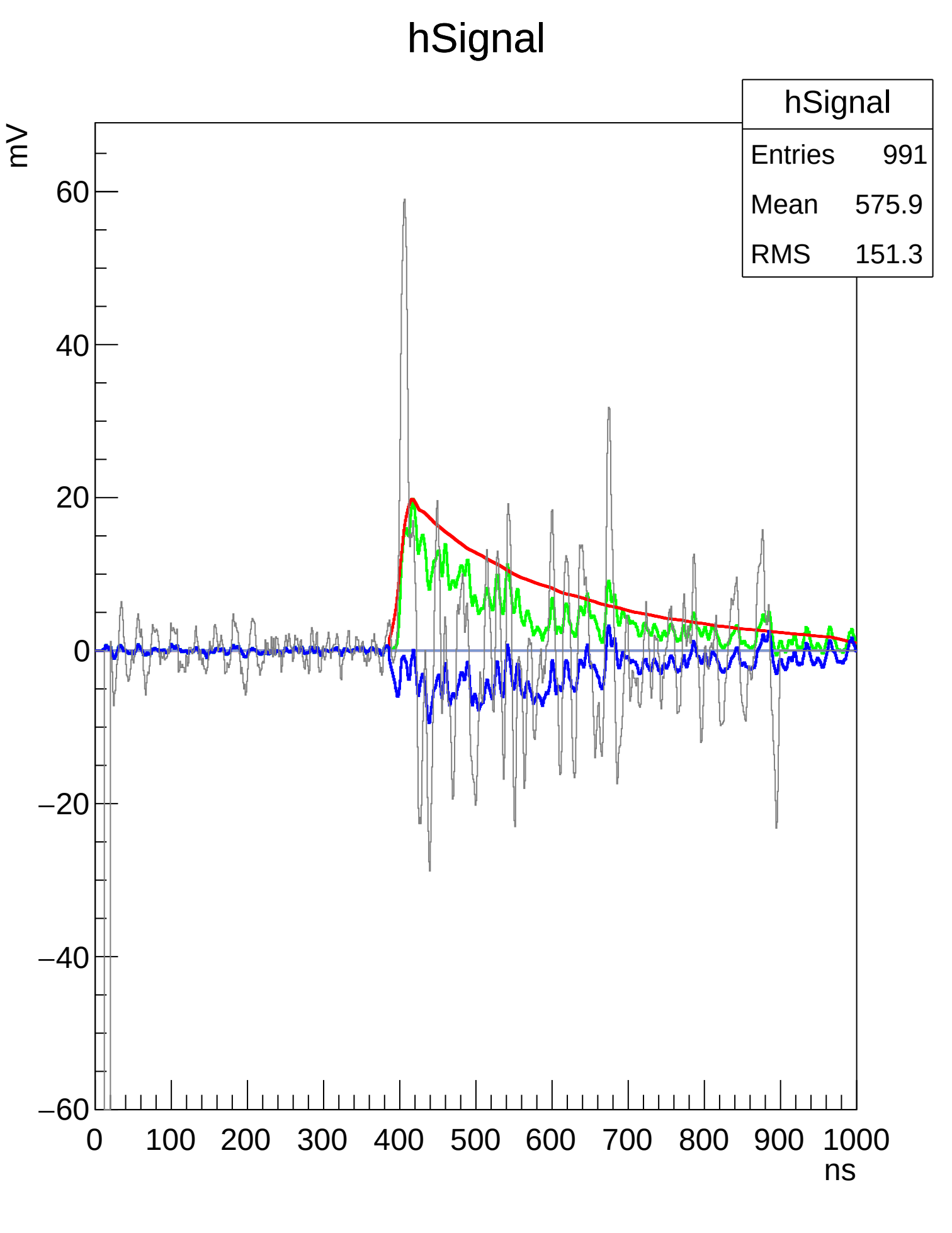
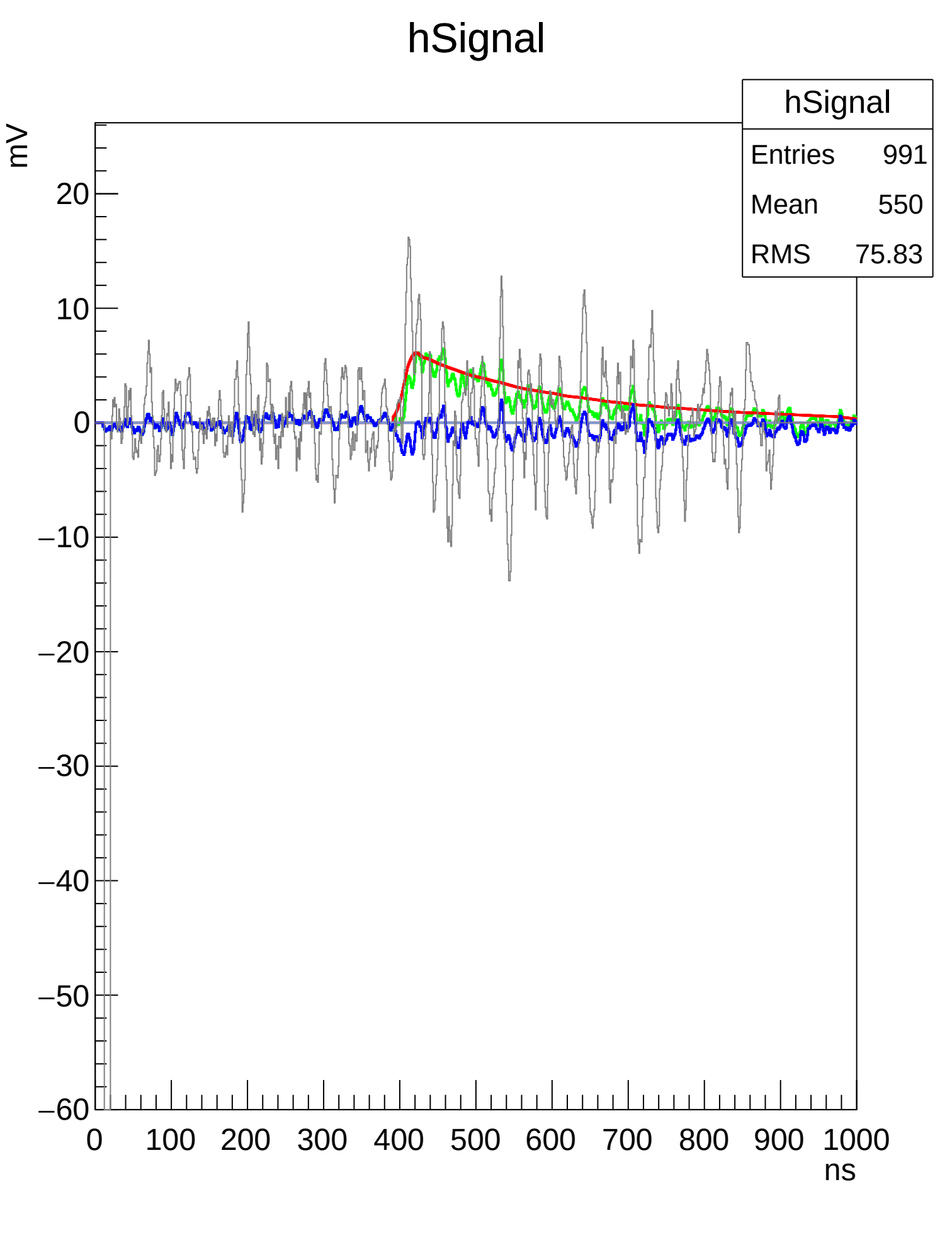
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.6
RMS 153.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 587.2
RMS 150.6
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 151.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550
RMS 75.83
mV
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10
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−20
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−40
−50
−60
0
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200
300
400
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600
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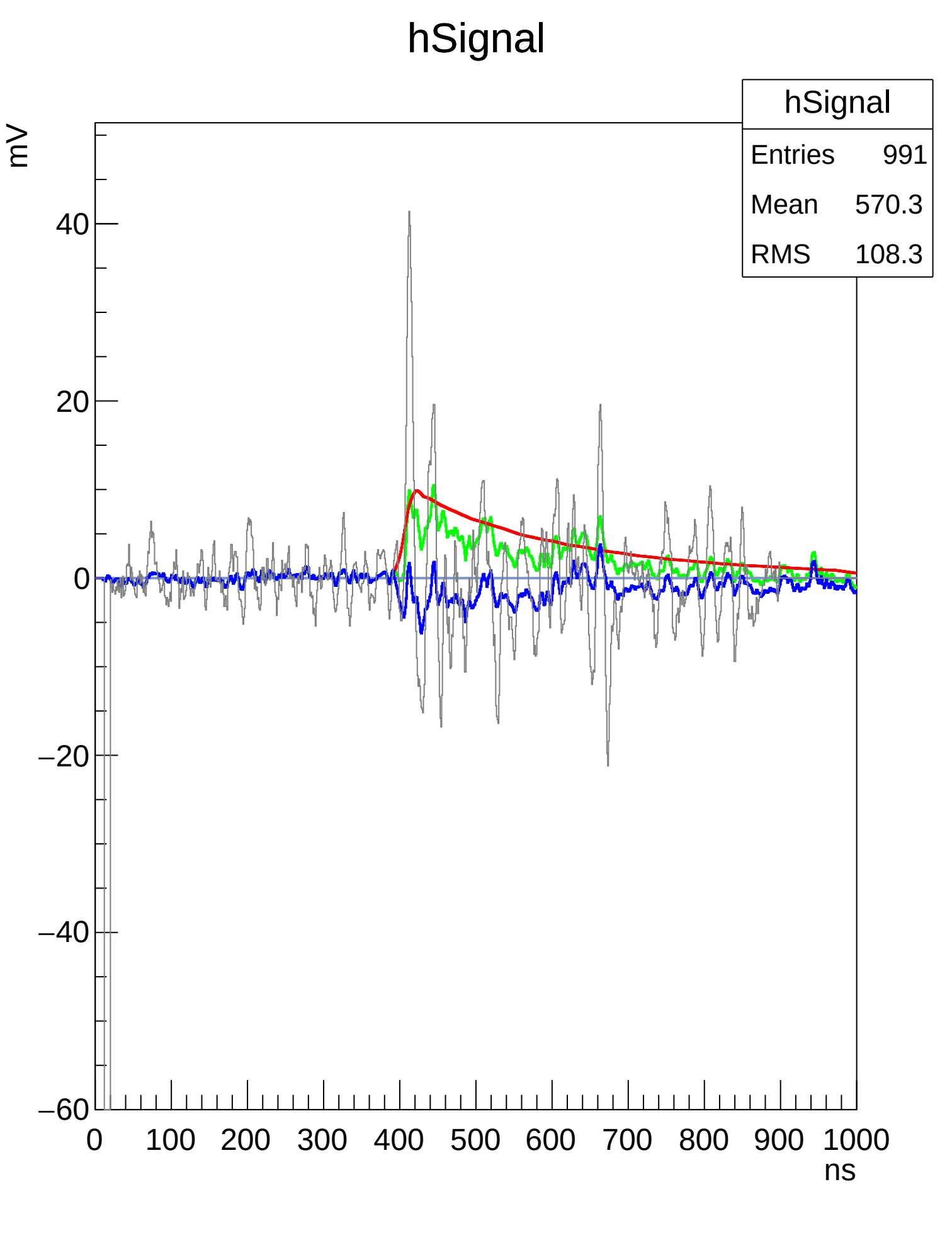
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.3
RMS 108.3
mV
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0
−20
−40
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0
100
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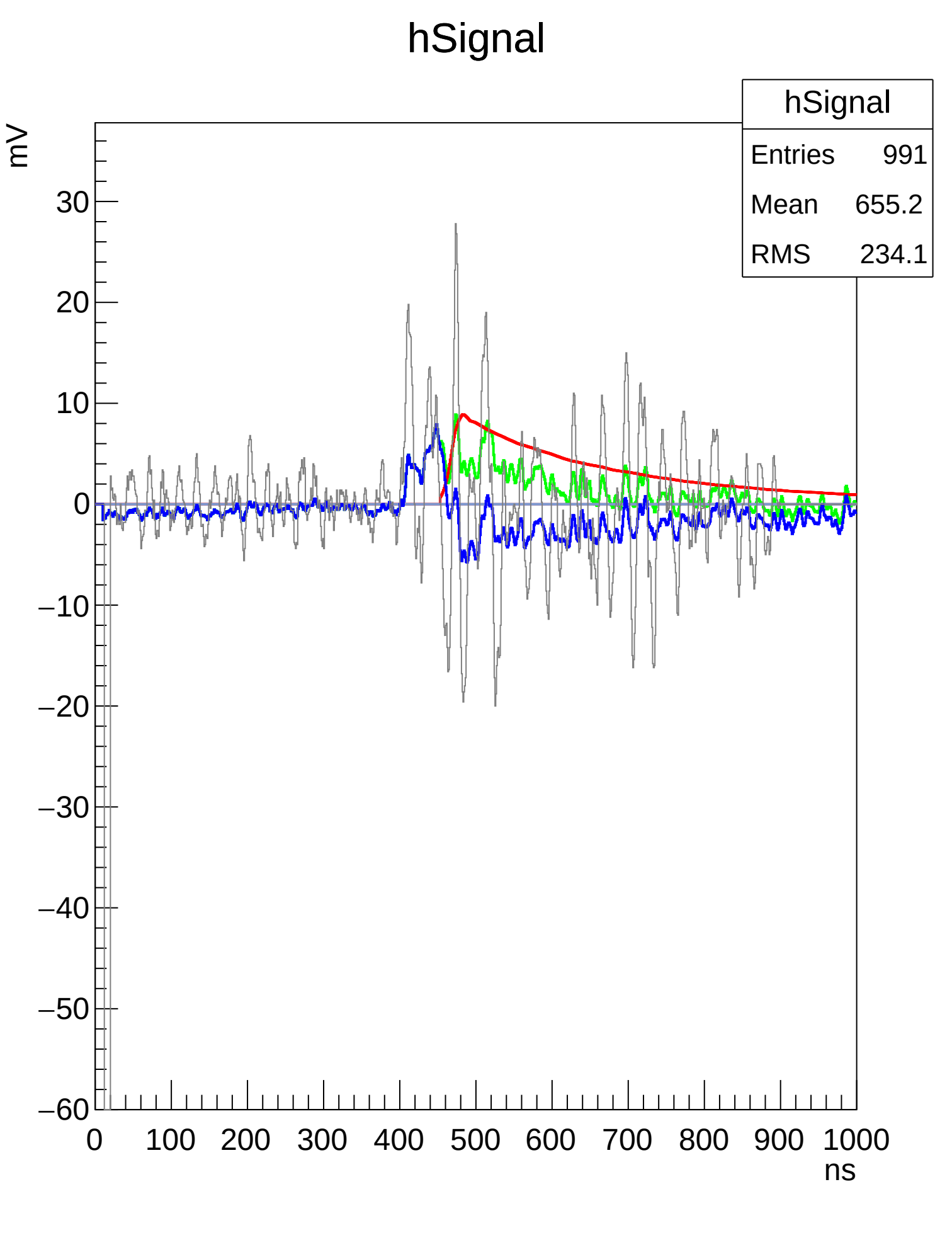
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 655.2
RMS 234.1
mV
30
20
10
0
−10
−20
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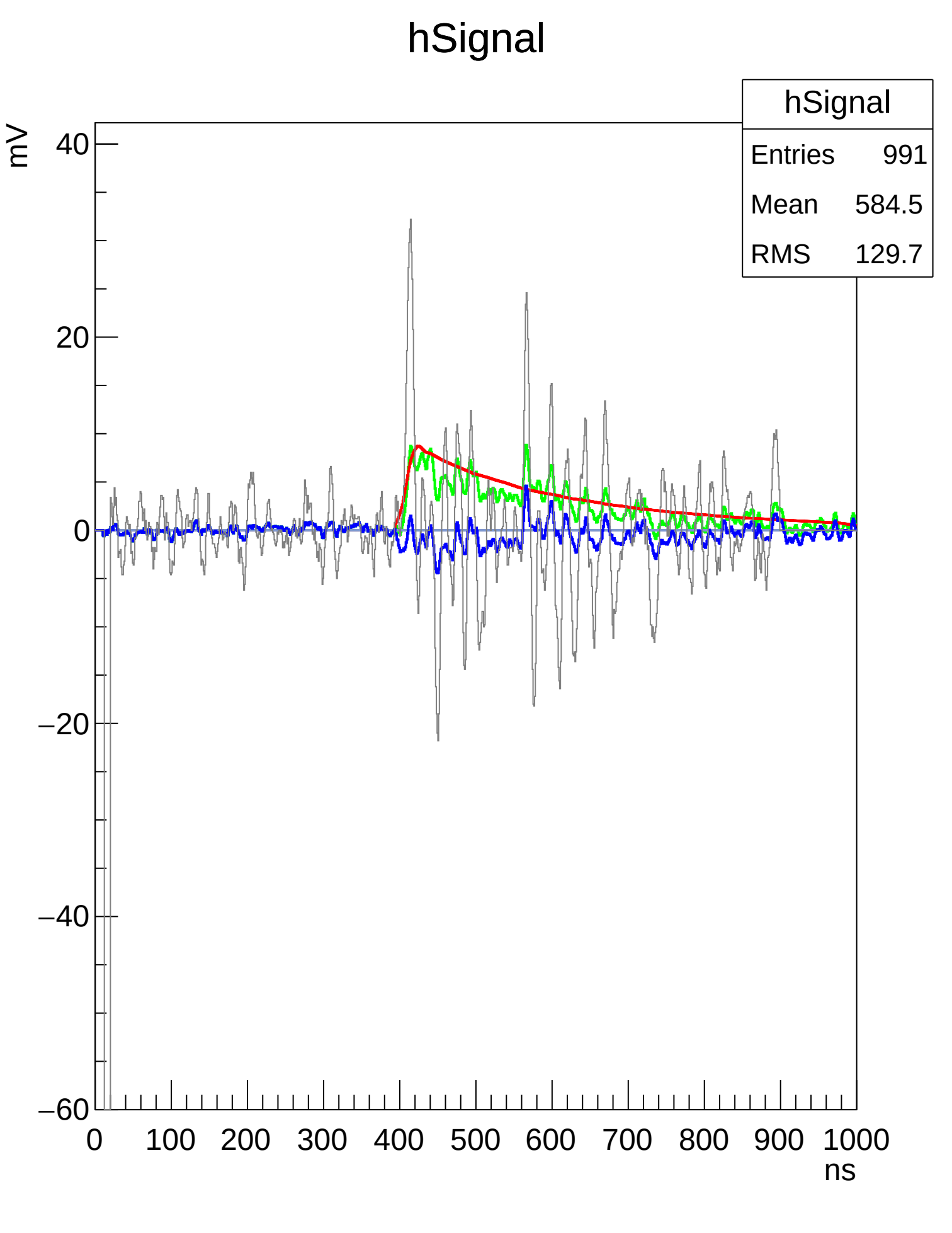
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.5
RMS 129.7
mV
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0
−20
−40
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0
100
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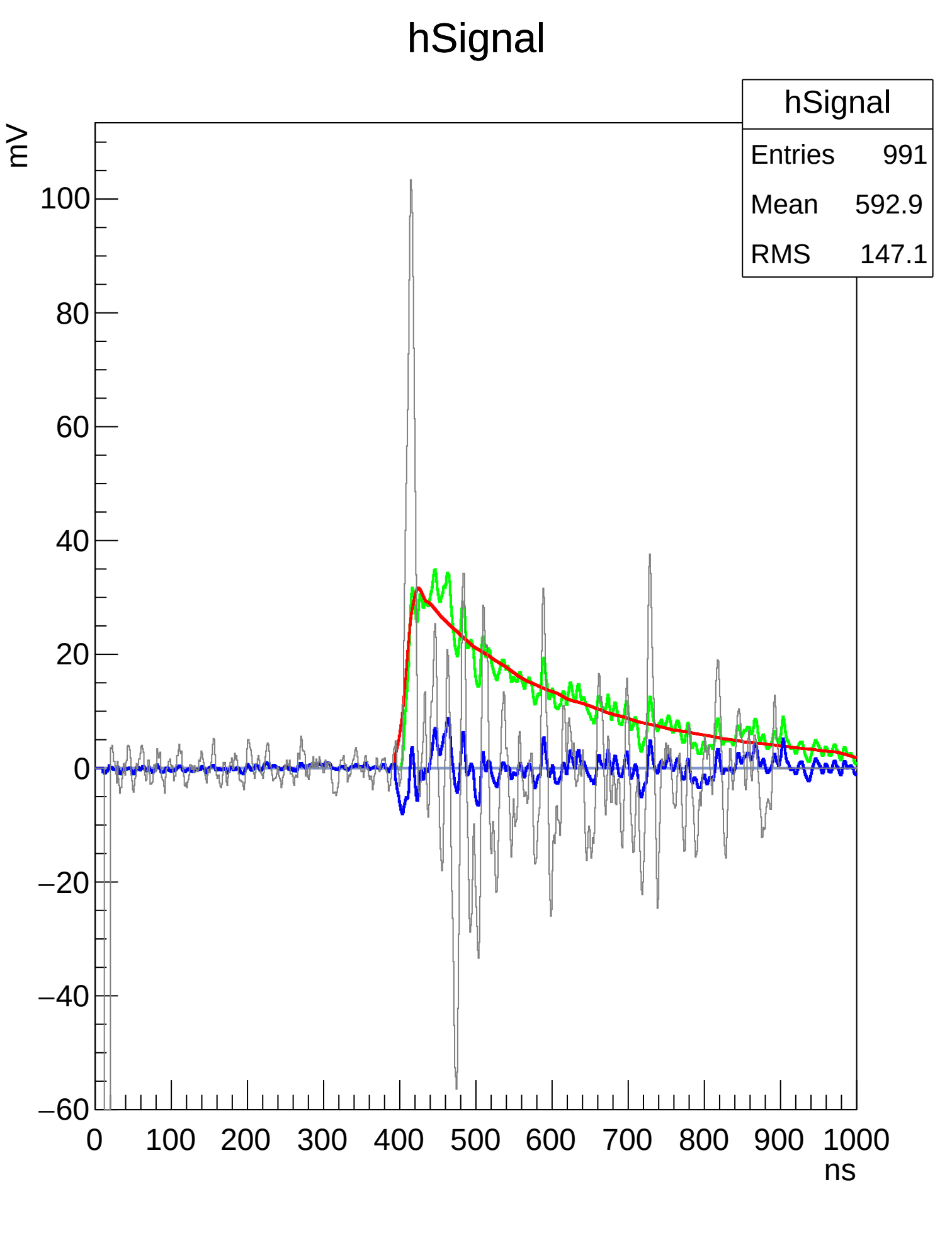
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.9
RMS 147.1
mV
100
80
60
40
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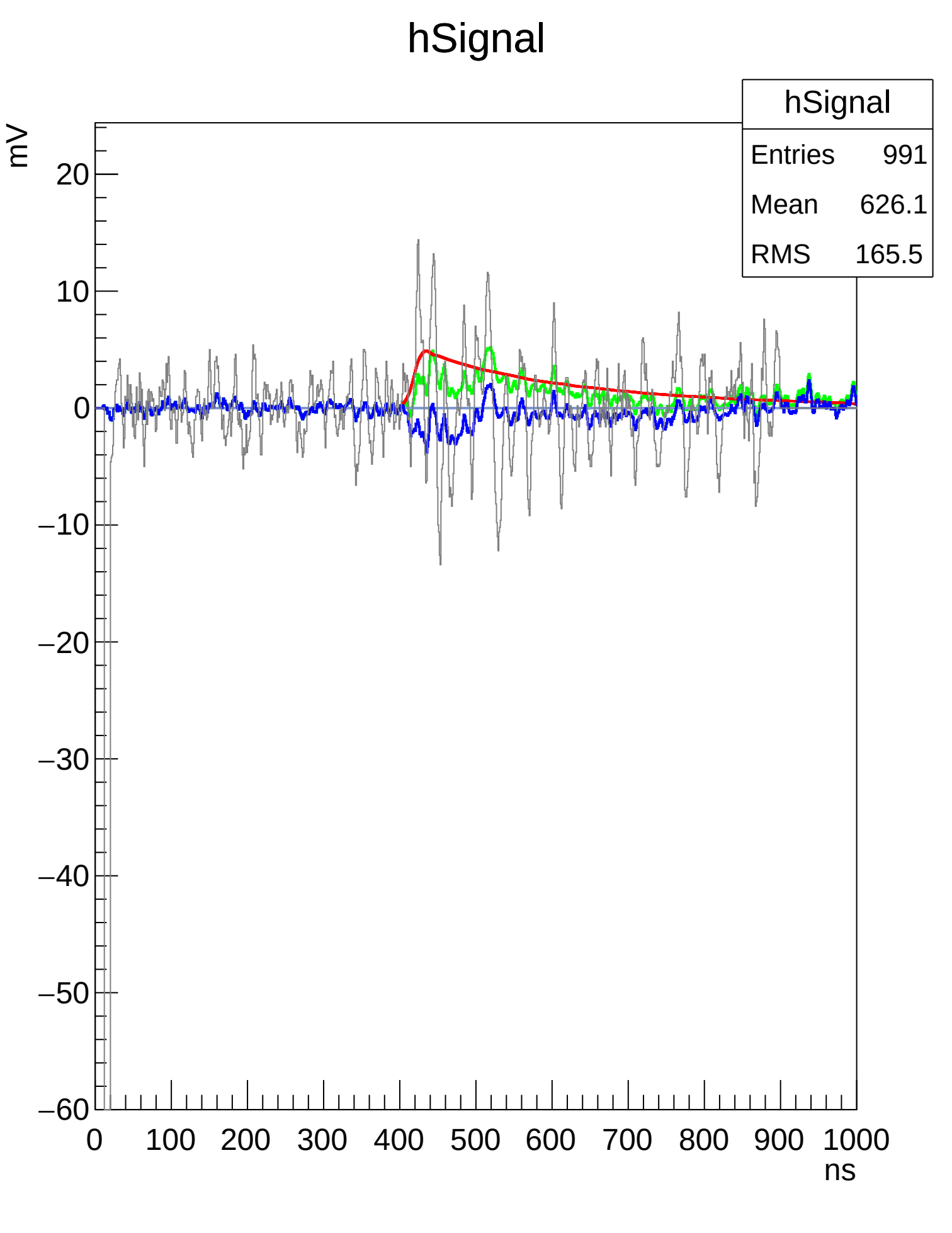
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 626.1
RMS 165.5
mV
20
10
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0
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400
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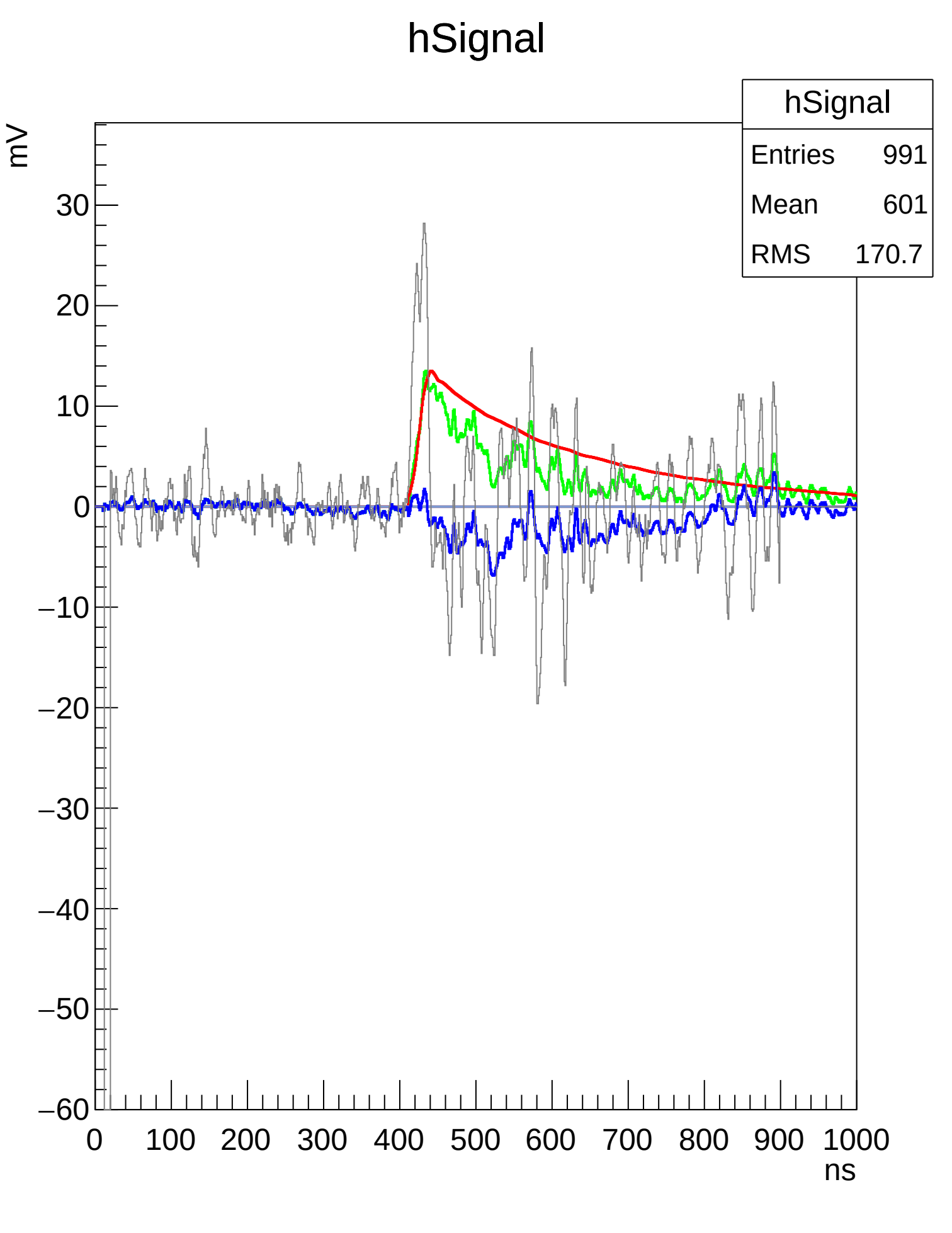
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601
RMS 170.7
mV
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20
10
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−50
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600
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800
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1000
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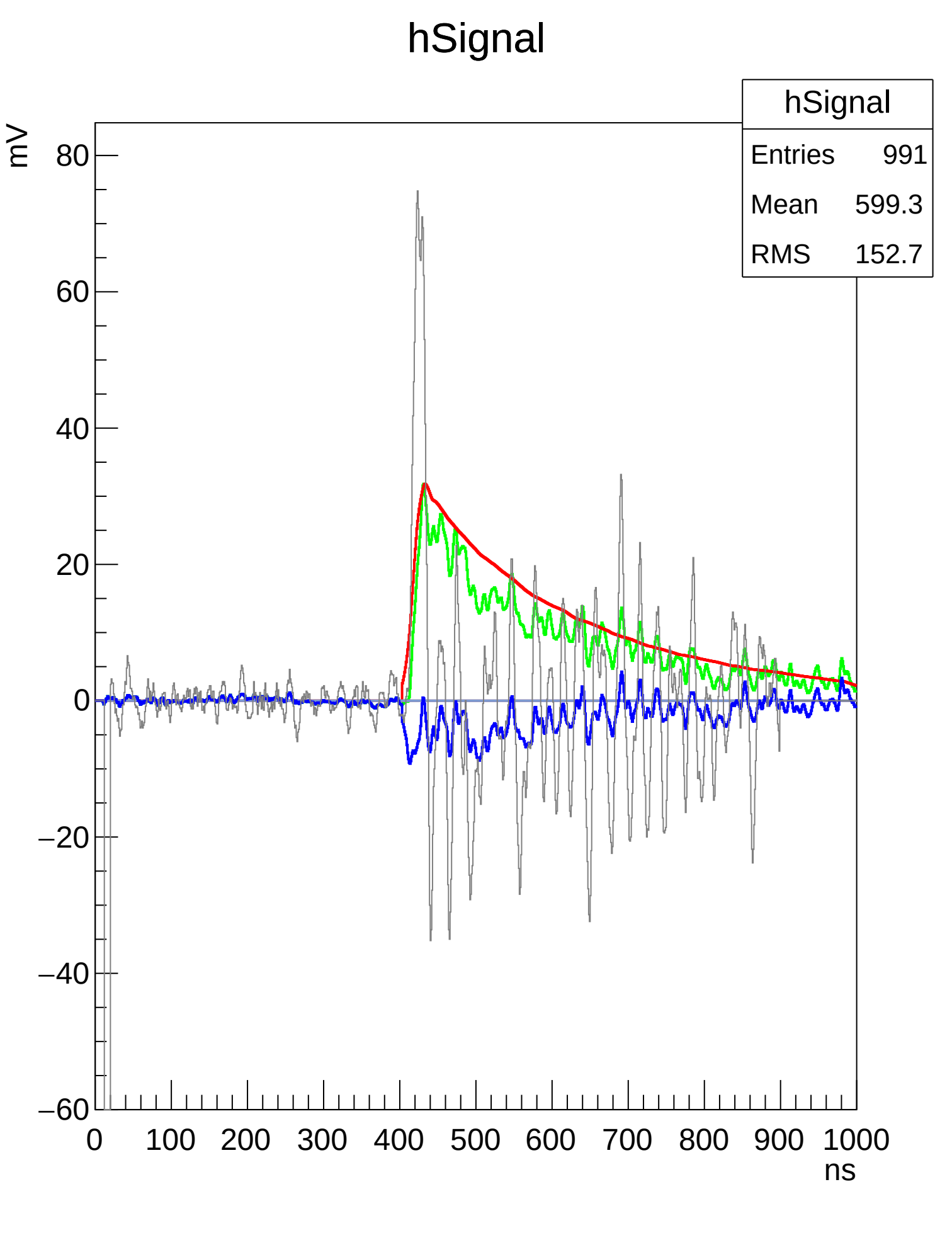
hSignal
hSignal
Entries 991
Mean 599.3
RMS 152.7
mV
80
60
40
20
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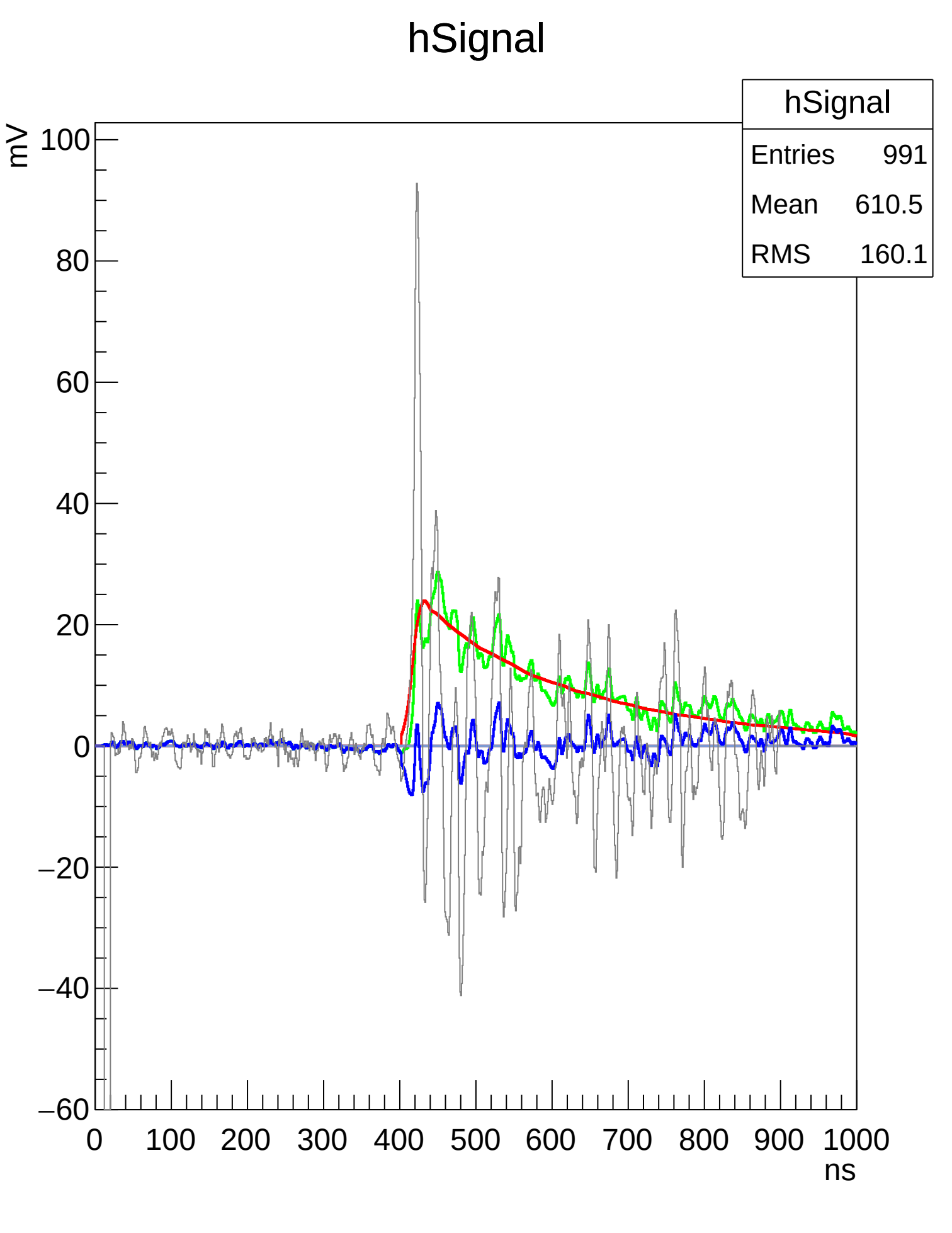
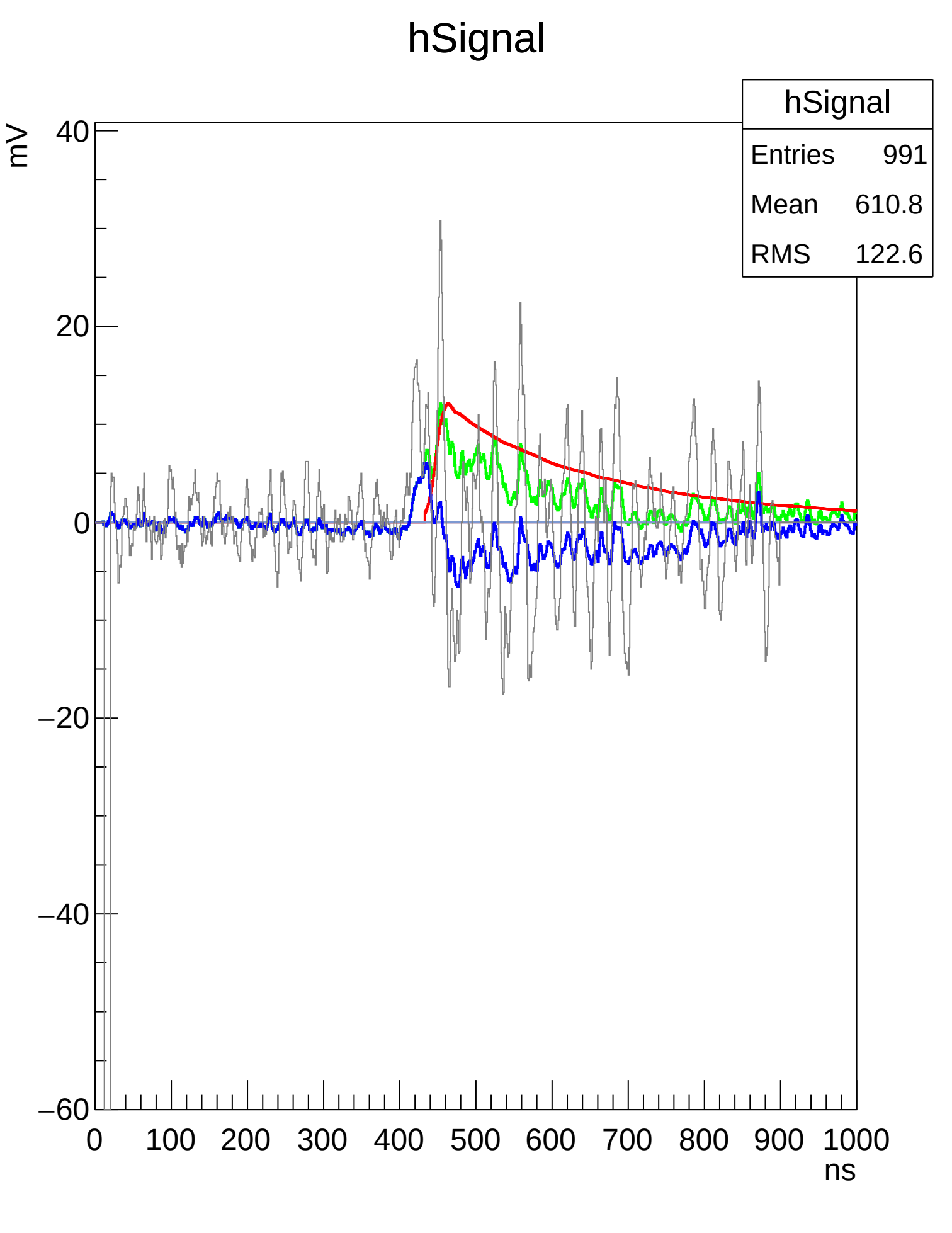
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.5
RMS 160.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.8
RMS 122.6
mV
40
20
0
−20
−40
−60
0
100
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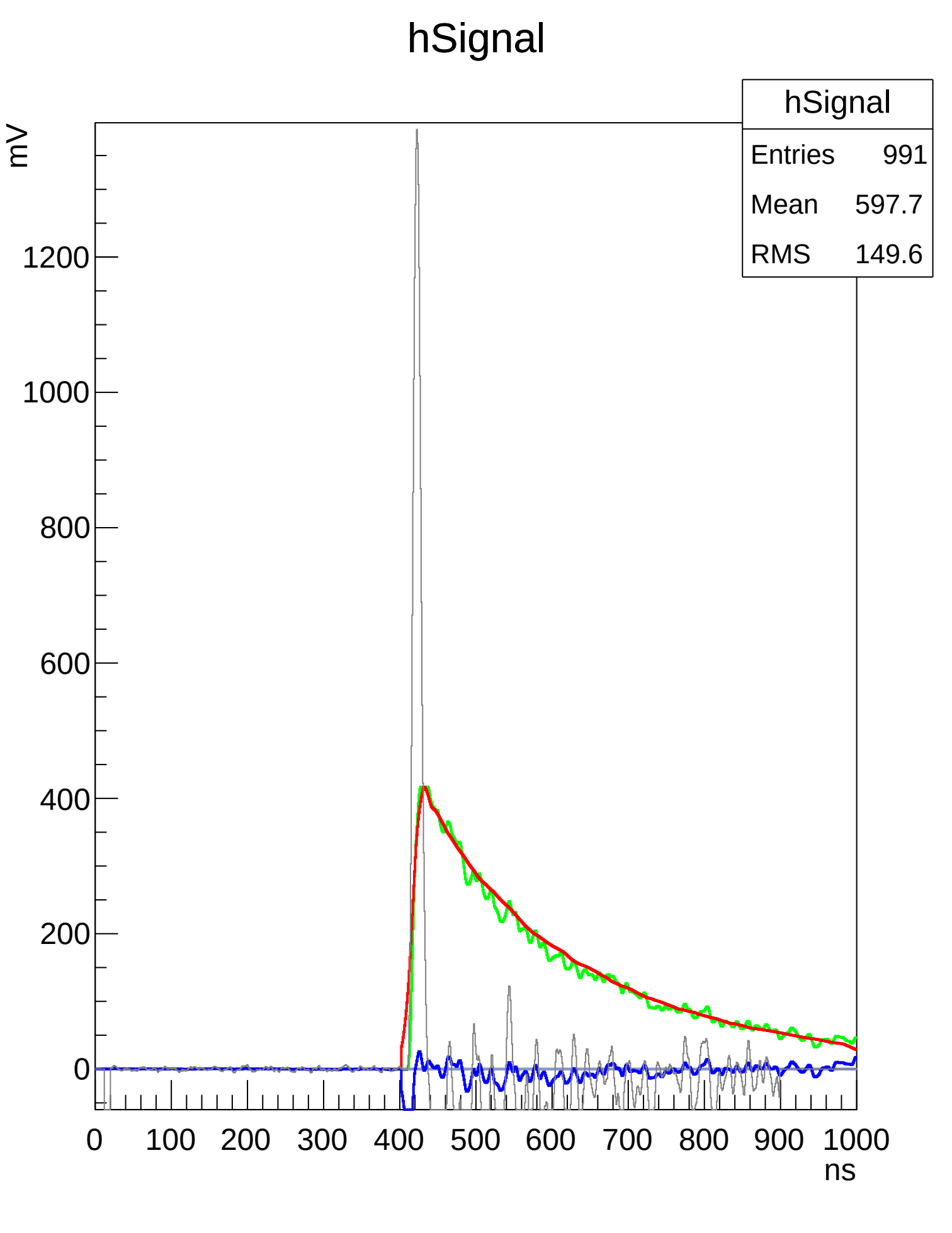
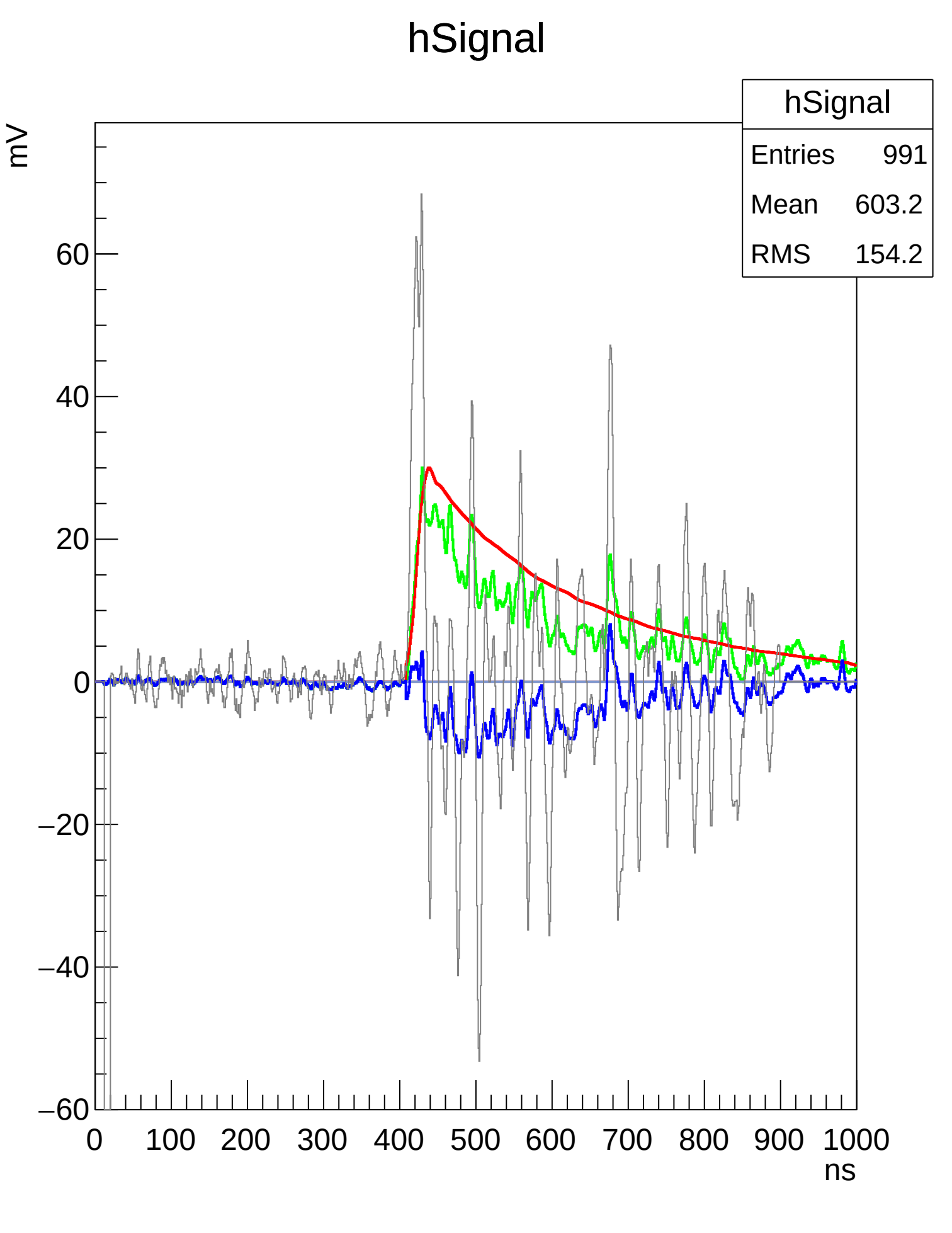
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 149.6
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.2
RMS 154.2
mV
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20
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−40
−60
0
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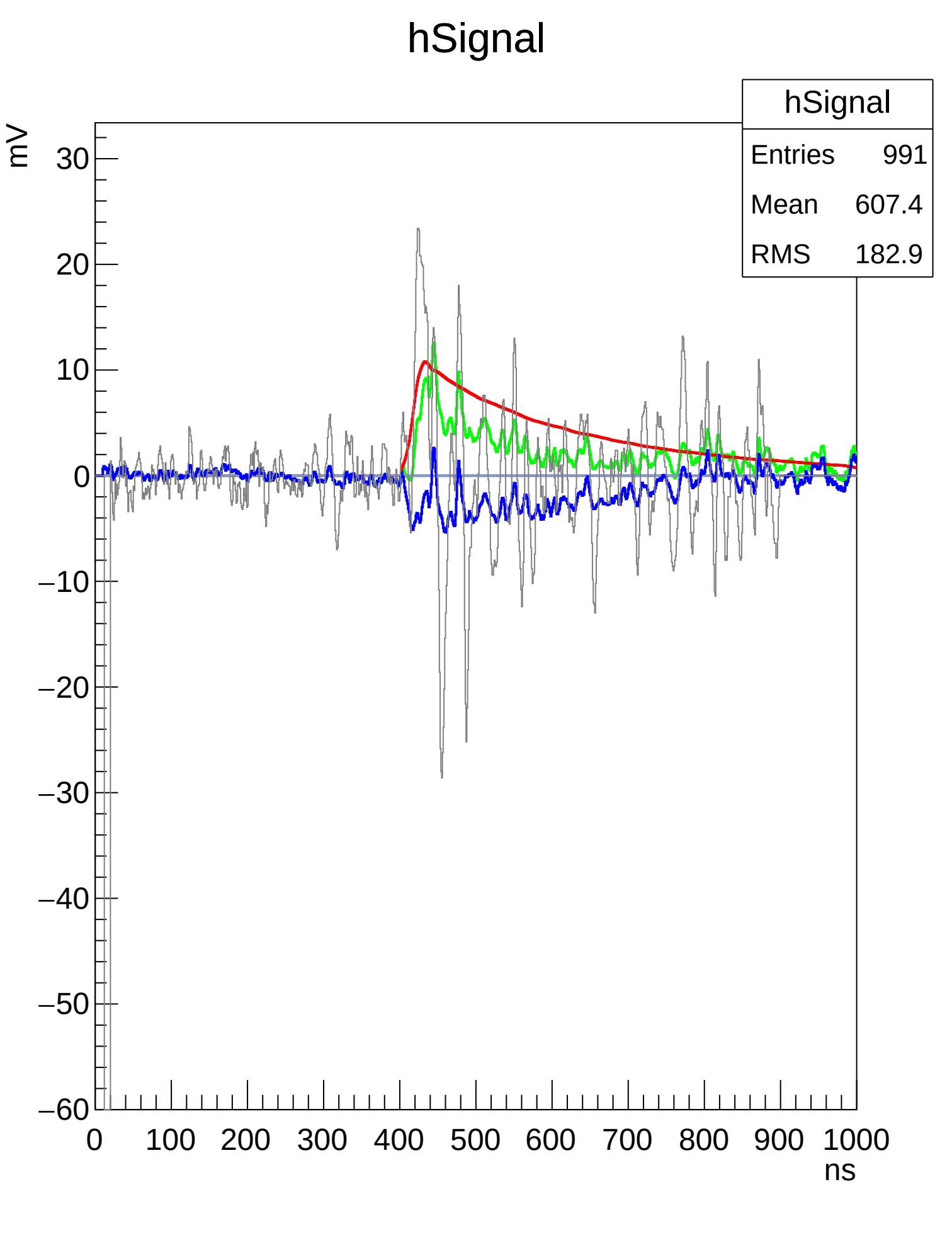
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.4
RMS 182.9
mV
30
20
10
0
−10
−20
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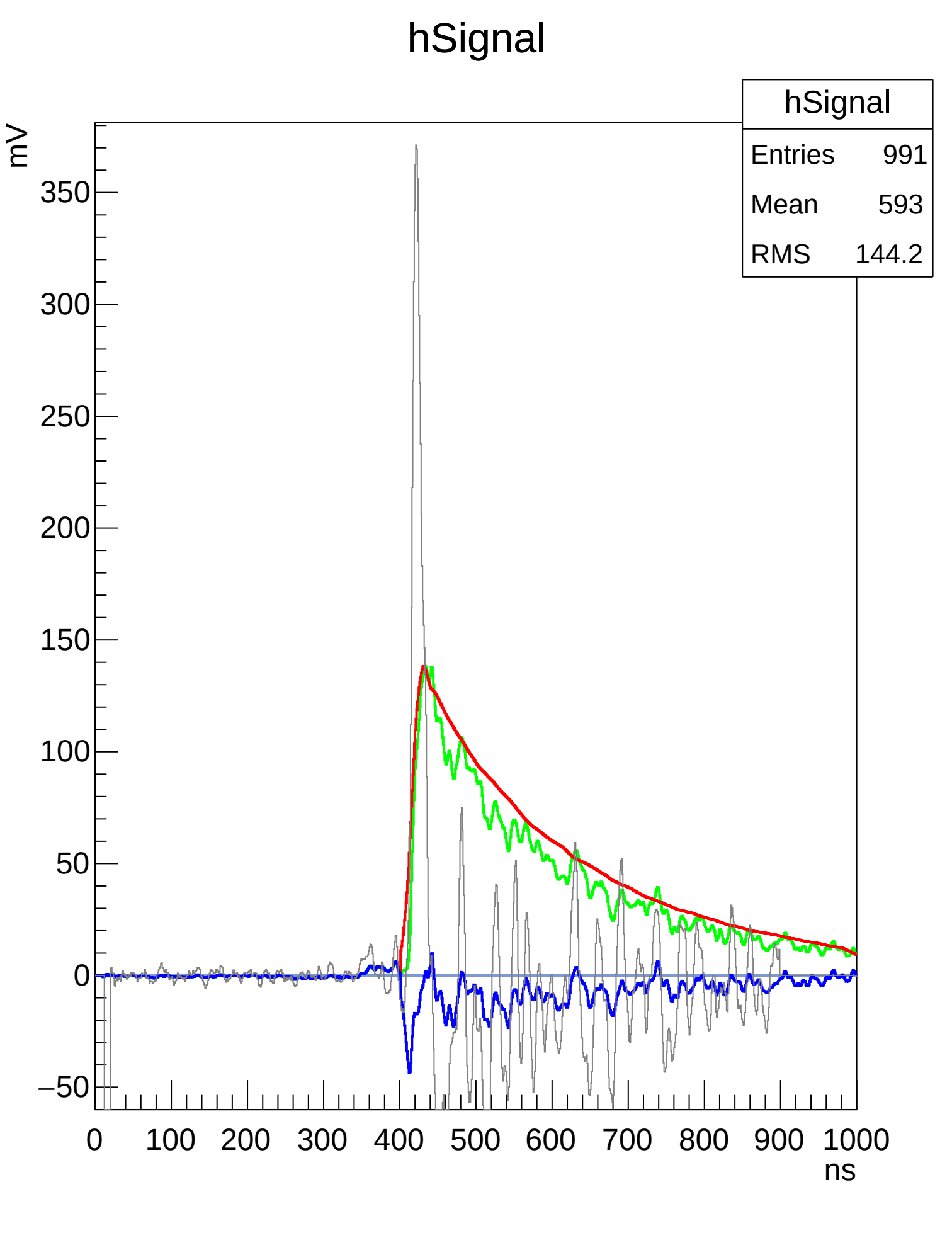
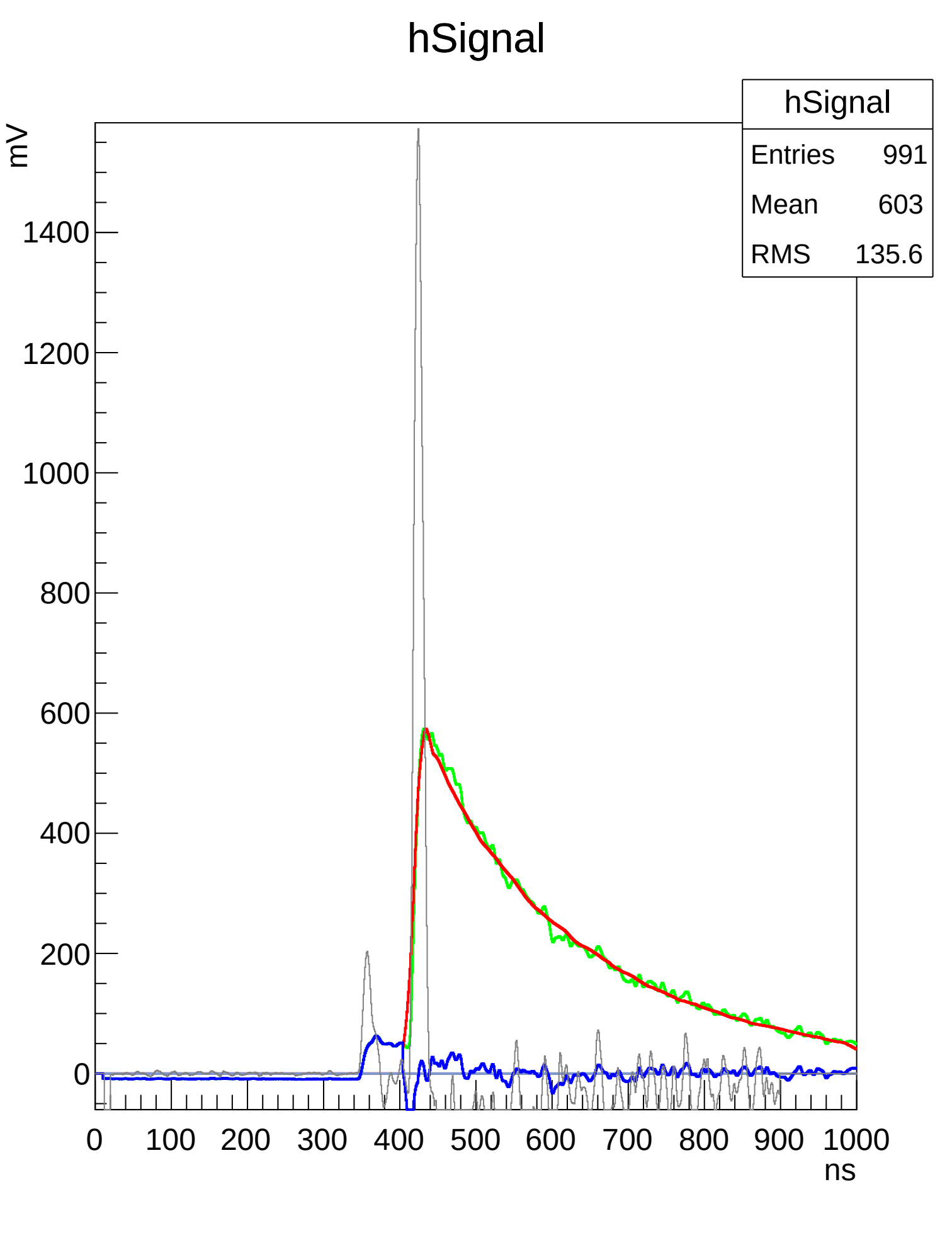
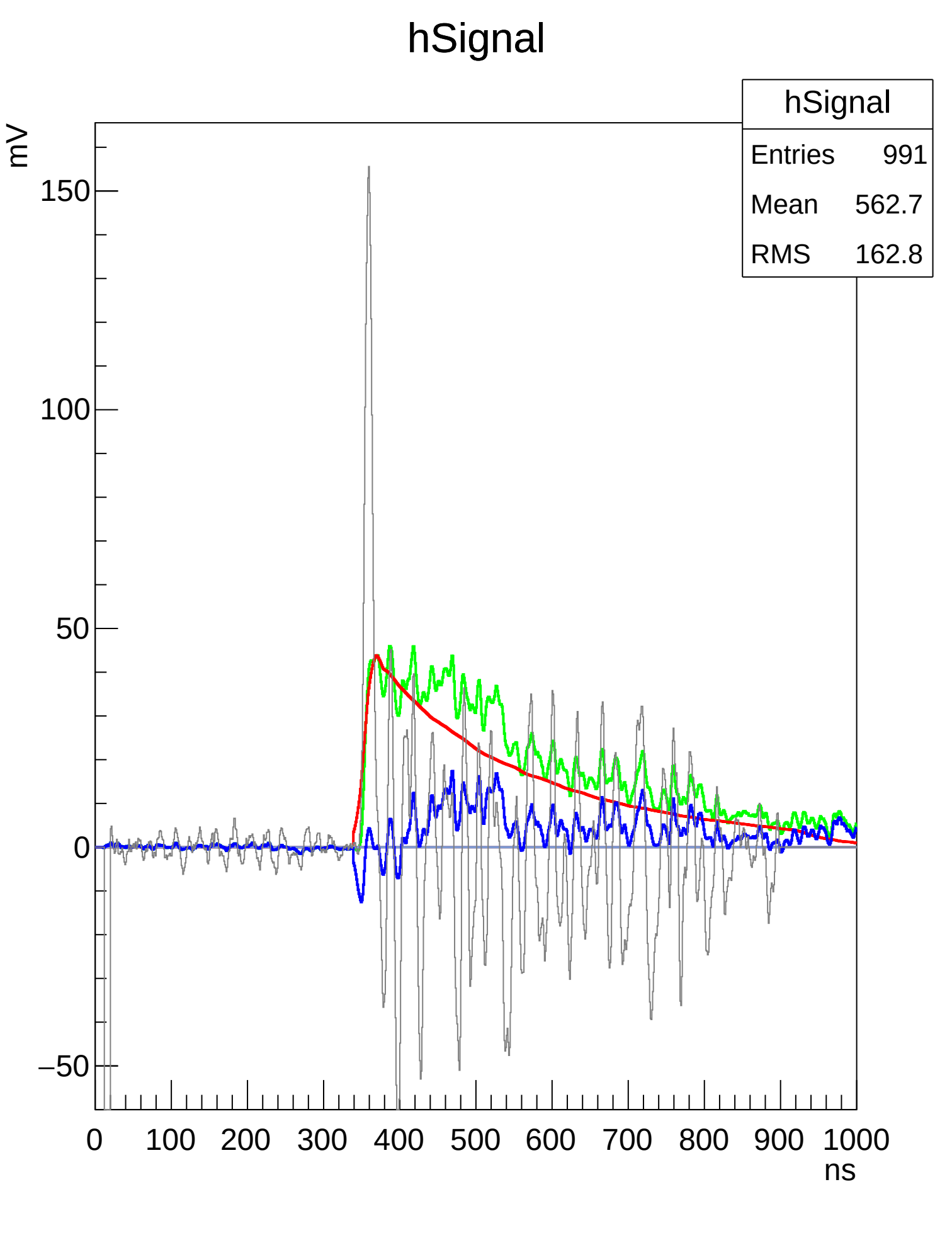
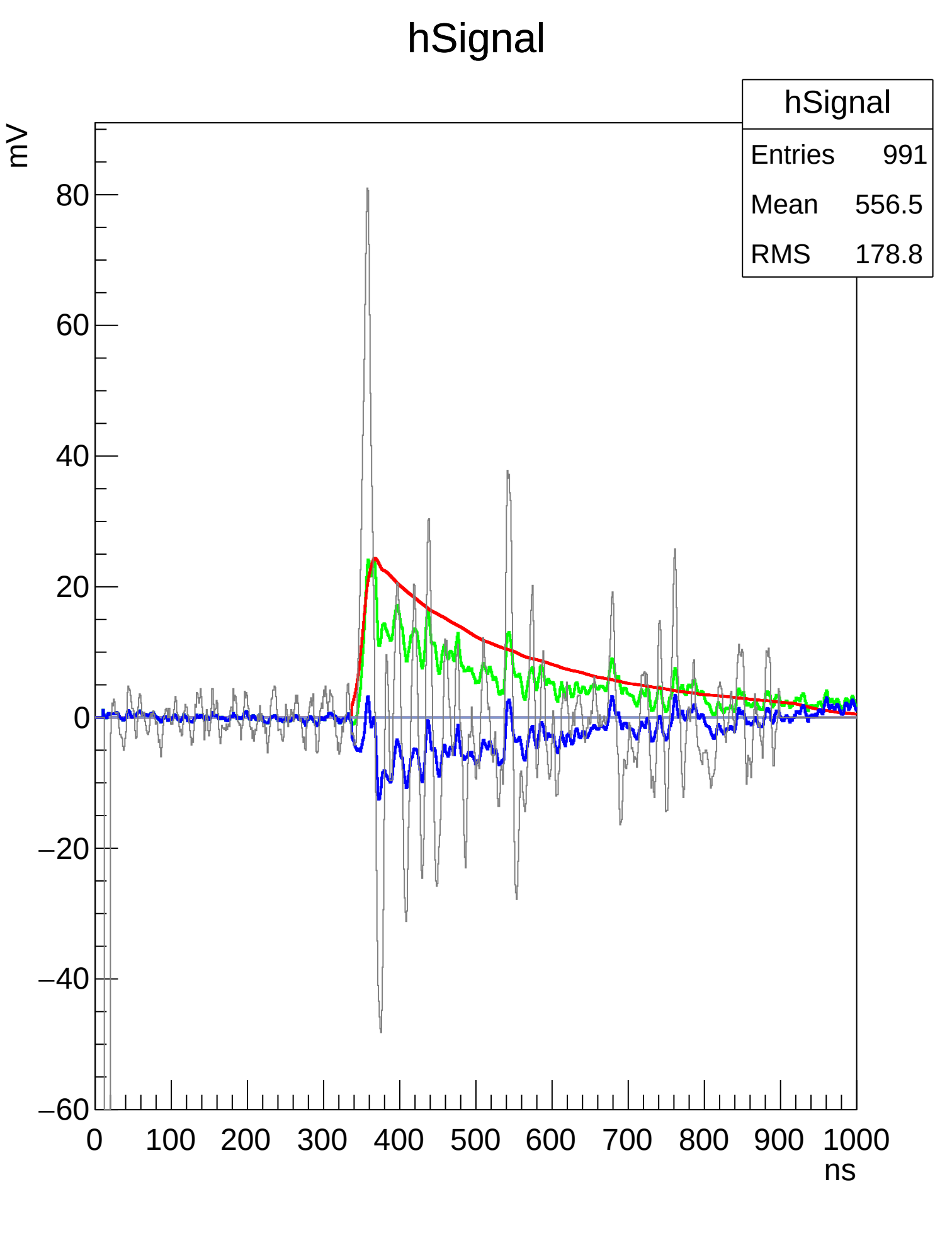
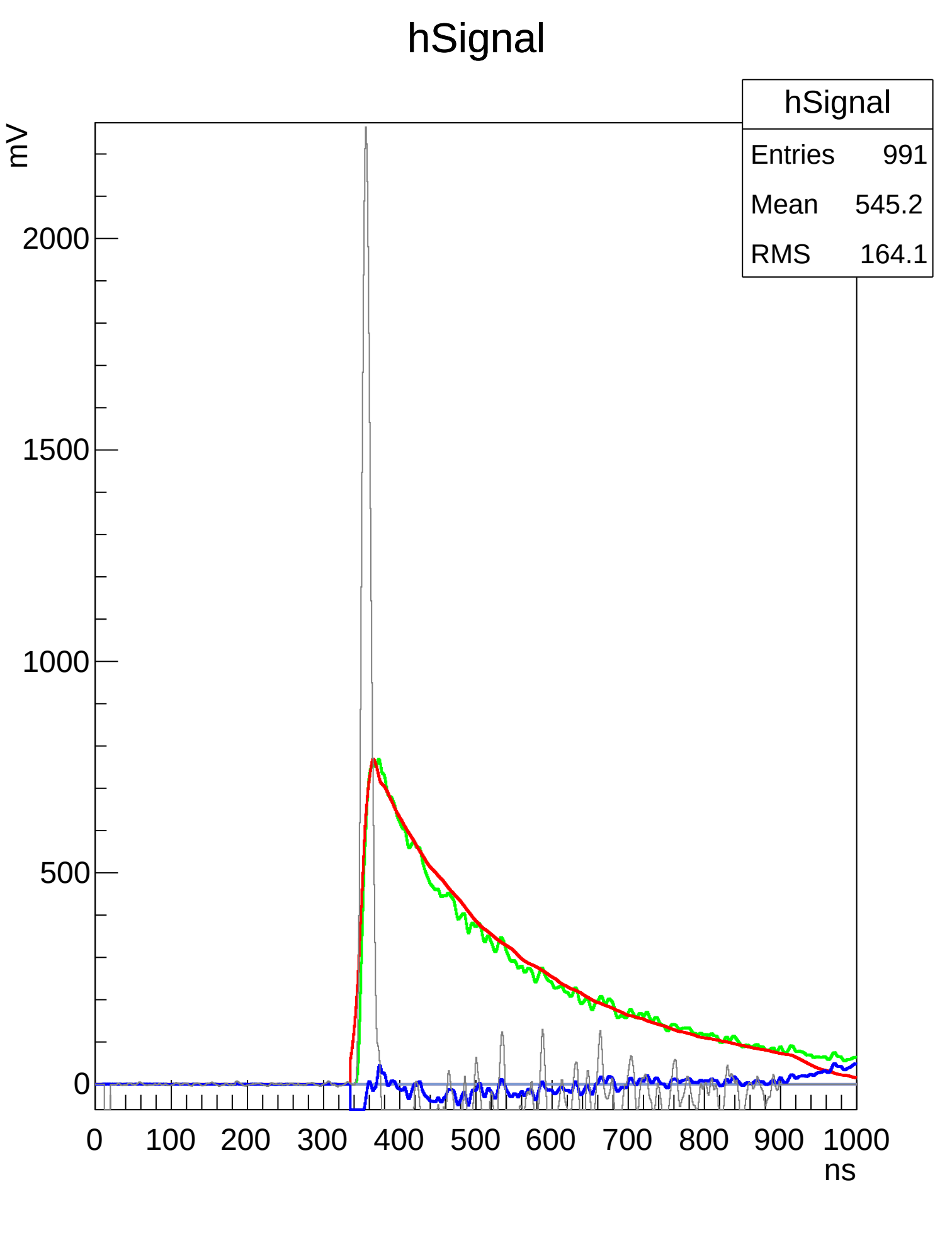
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593
RMS 144.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603
RMS 135.6
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 562.7
RMS 162.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.5
RMS 178.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.2
RMS 164.1
mV
2000
1500
1000
500
0
0
100
200
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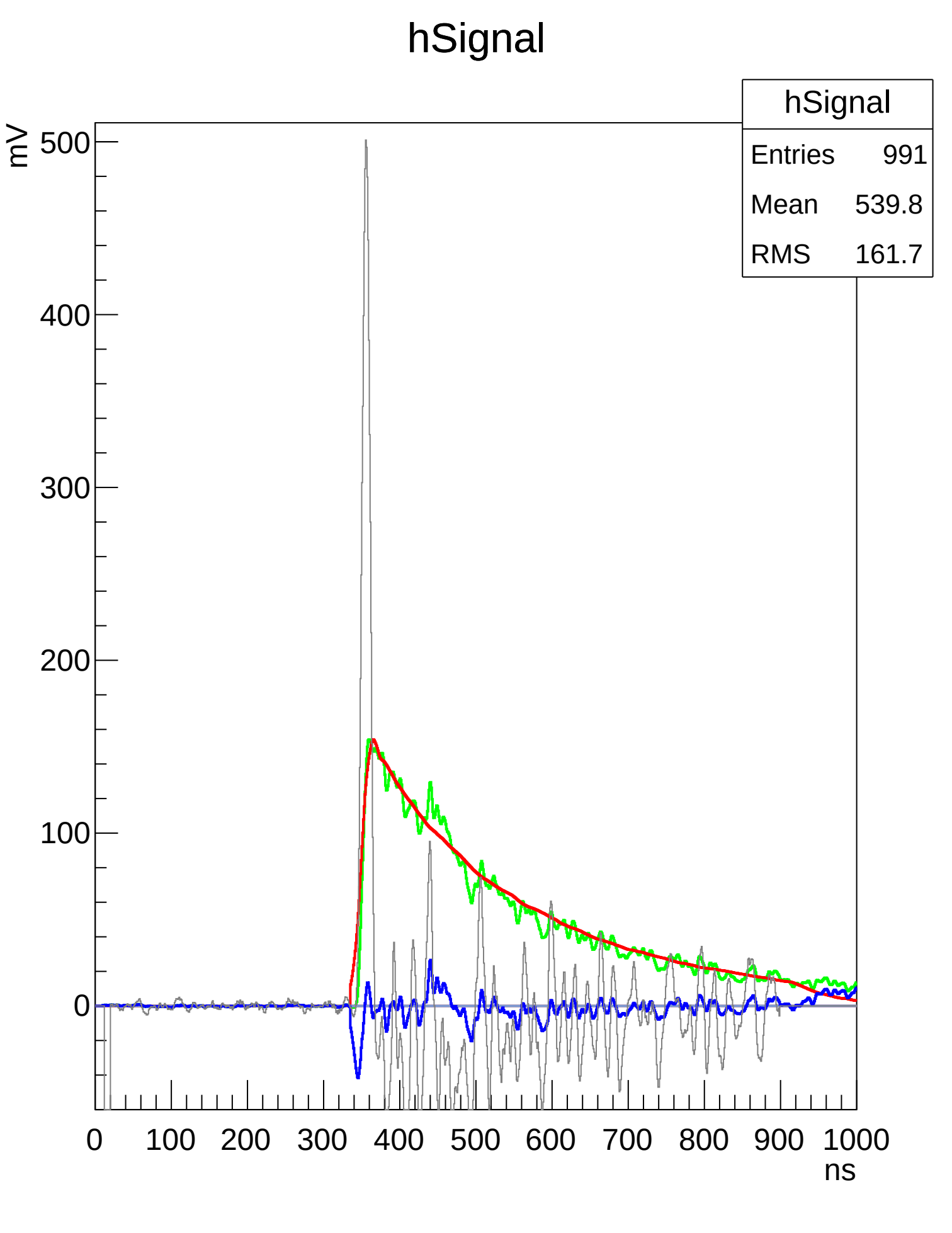
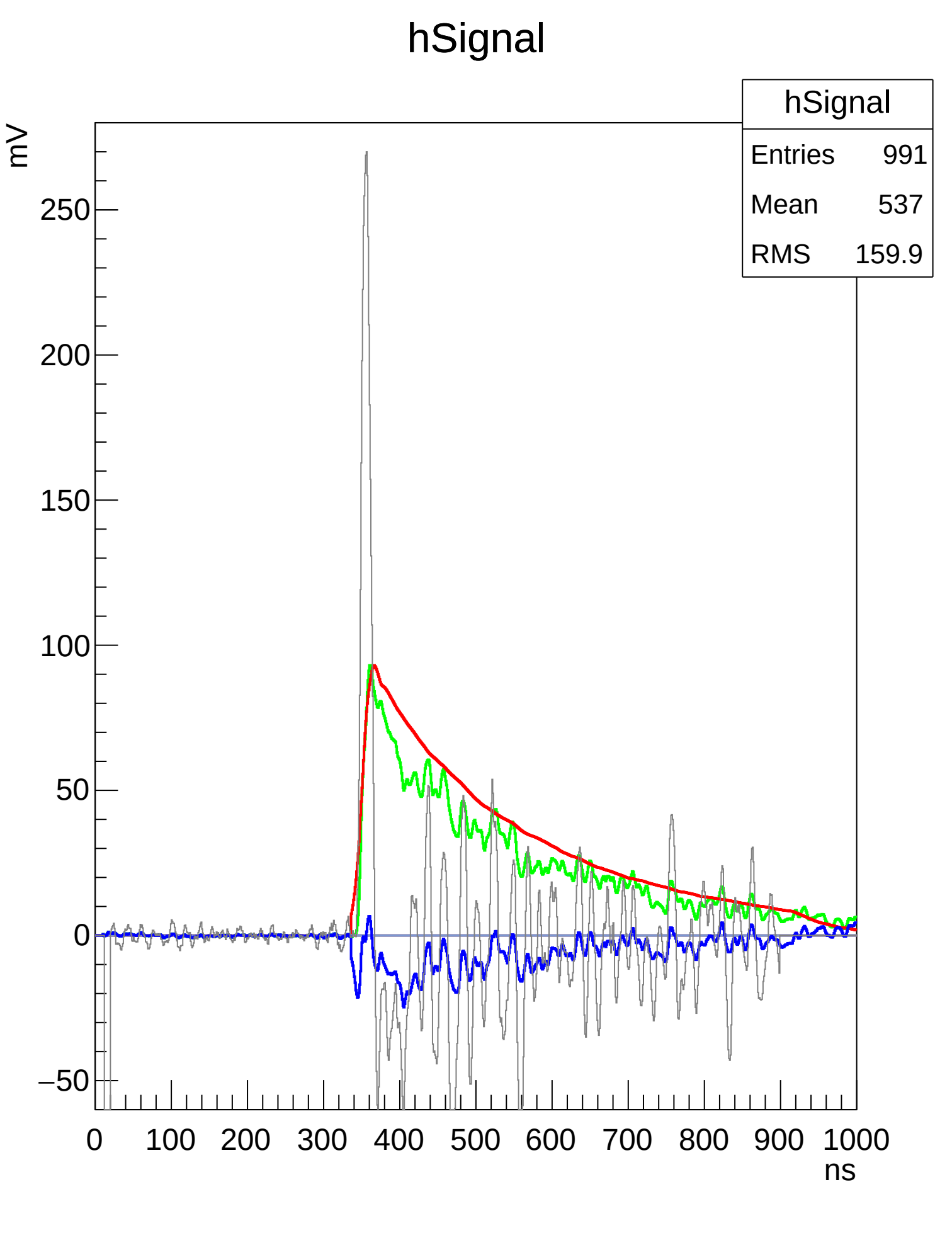
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.8
RMS 161.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537
RMS 159.9
mV
250
200
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100
50
0
−50
0
100
200
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400
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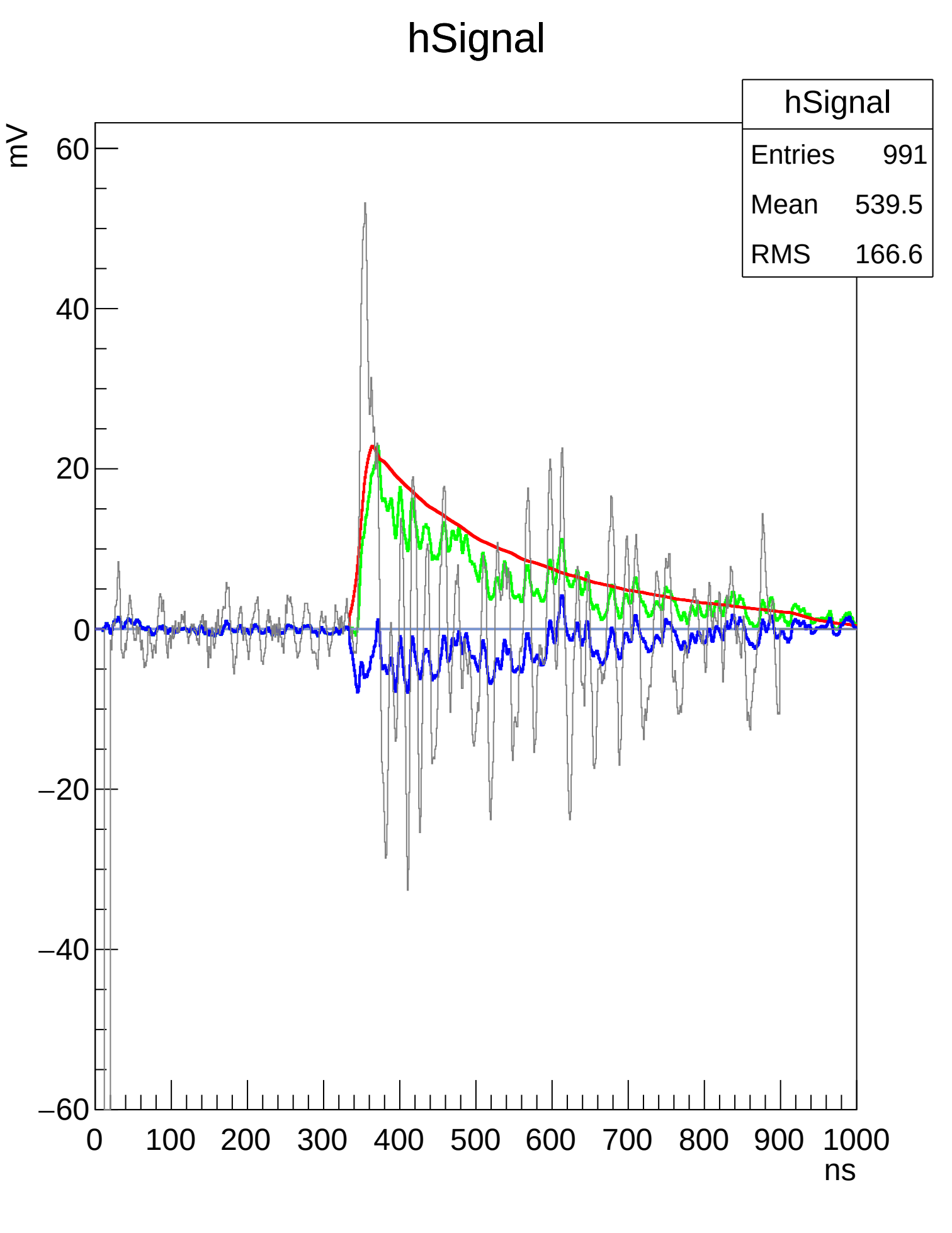
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.5
RMS 166.6
mV
60
40
20
0
−20
−40
−60
0
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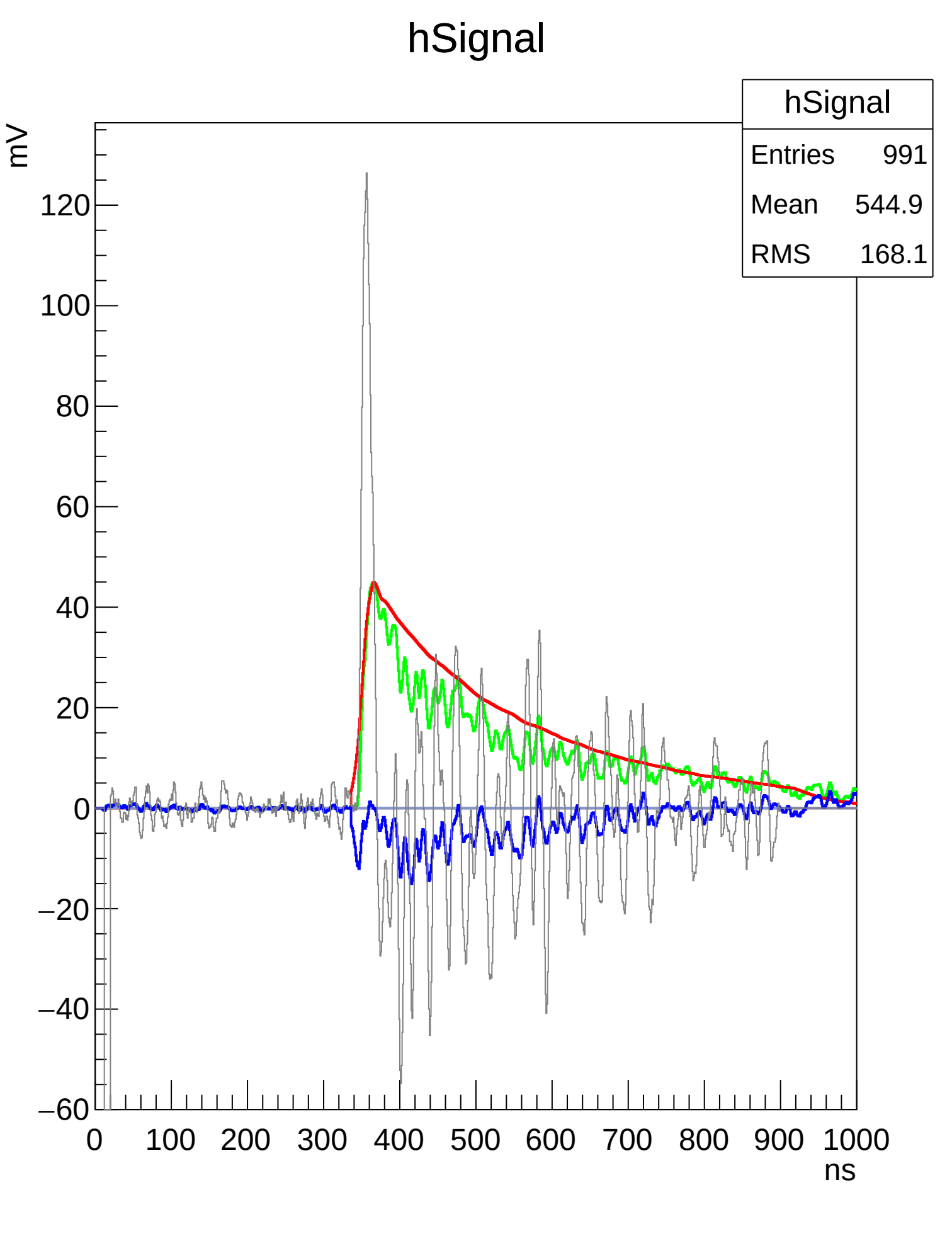
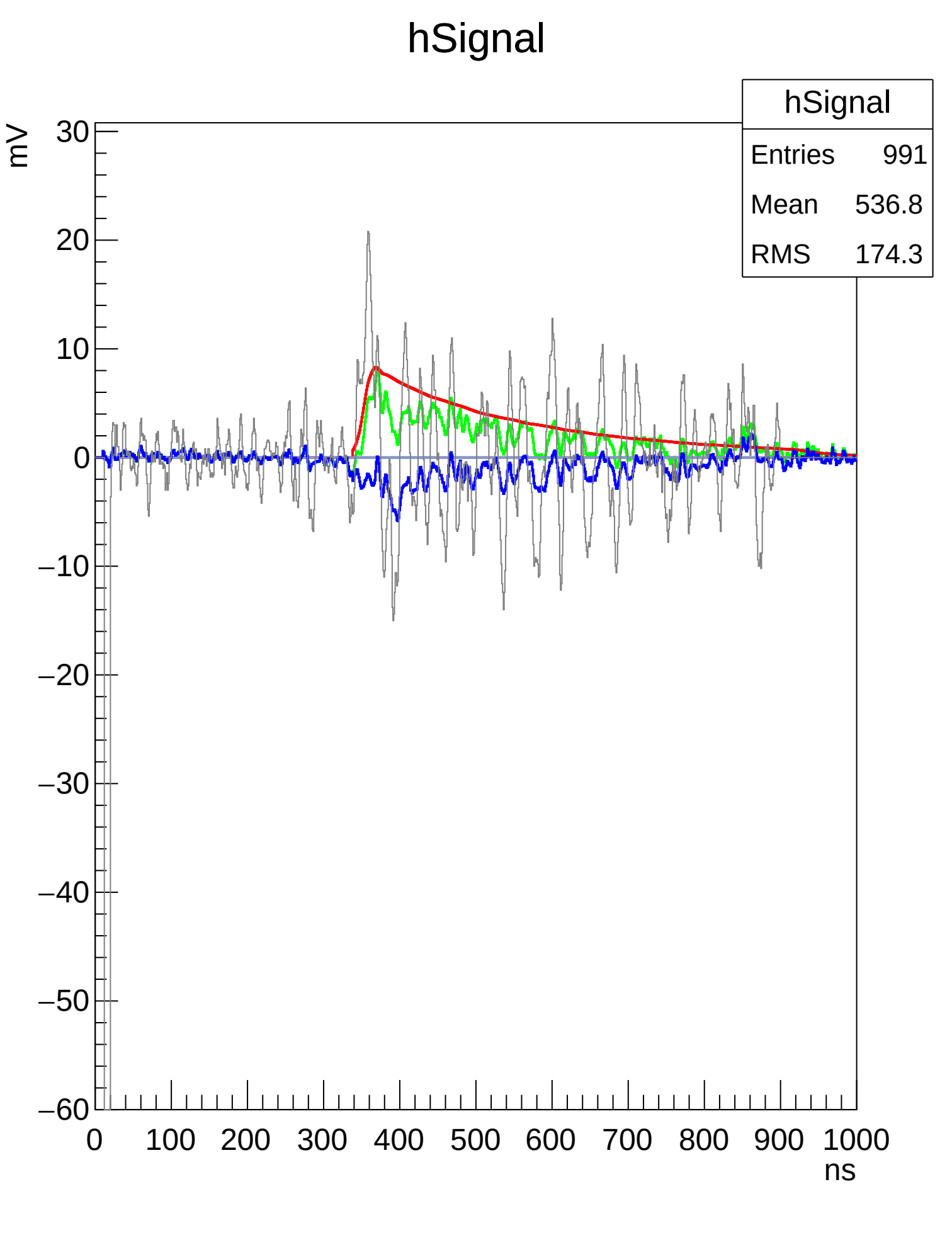
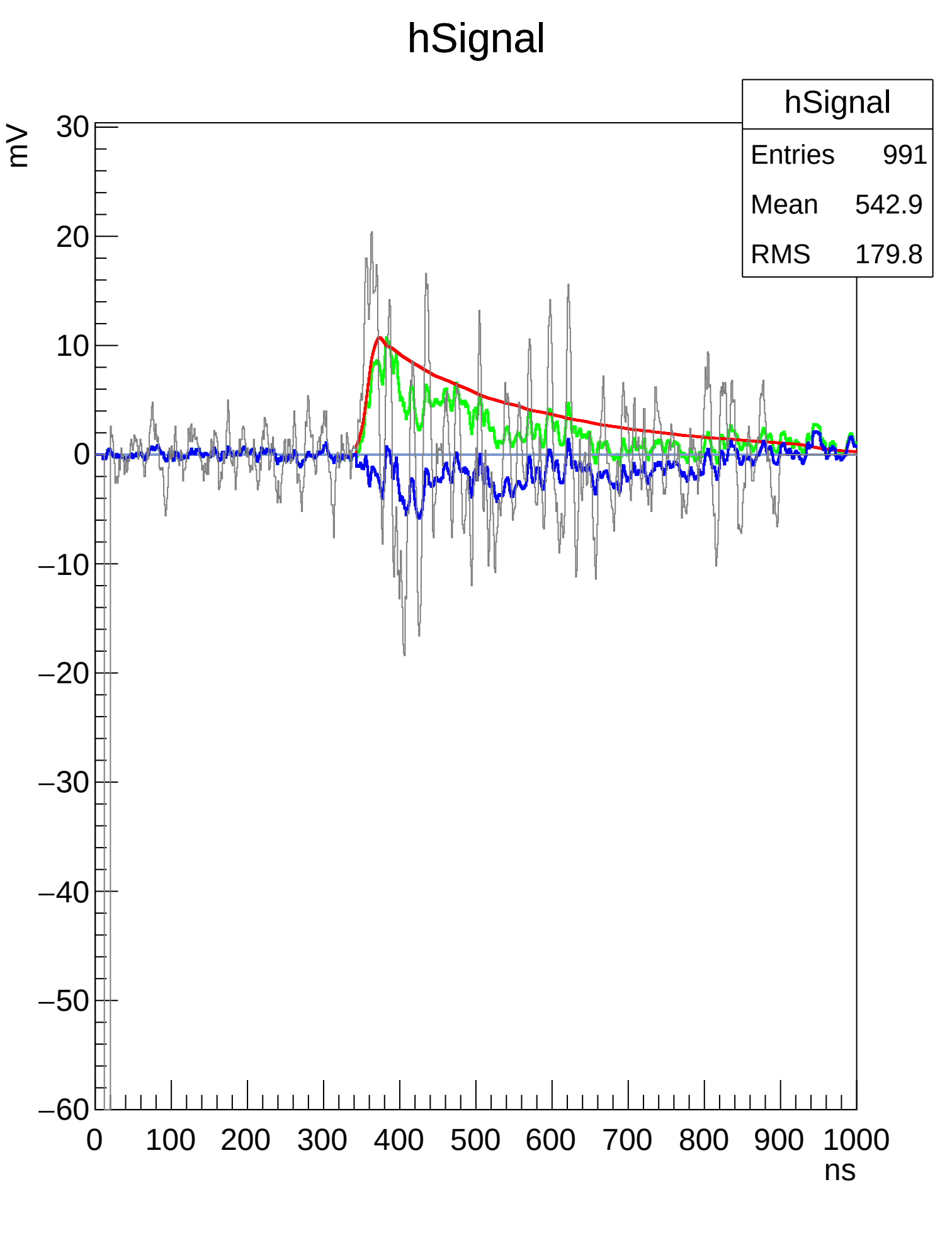
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.9
RMS 168.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.8
RMS 174.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.9
RMS 179.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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800
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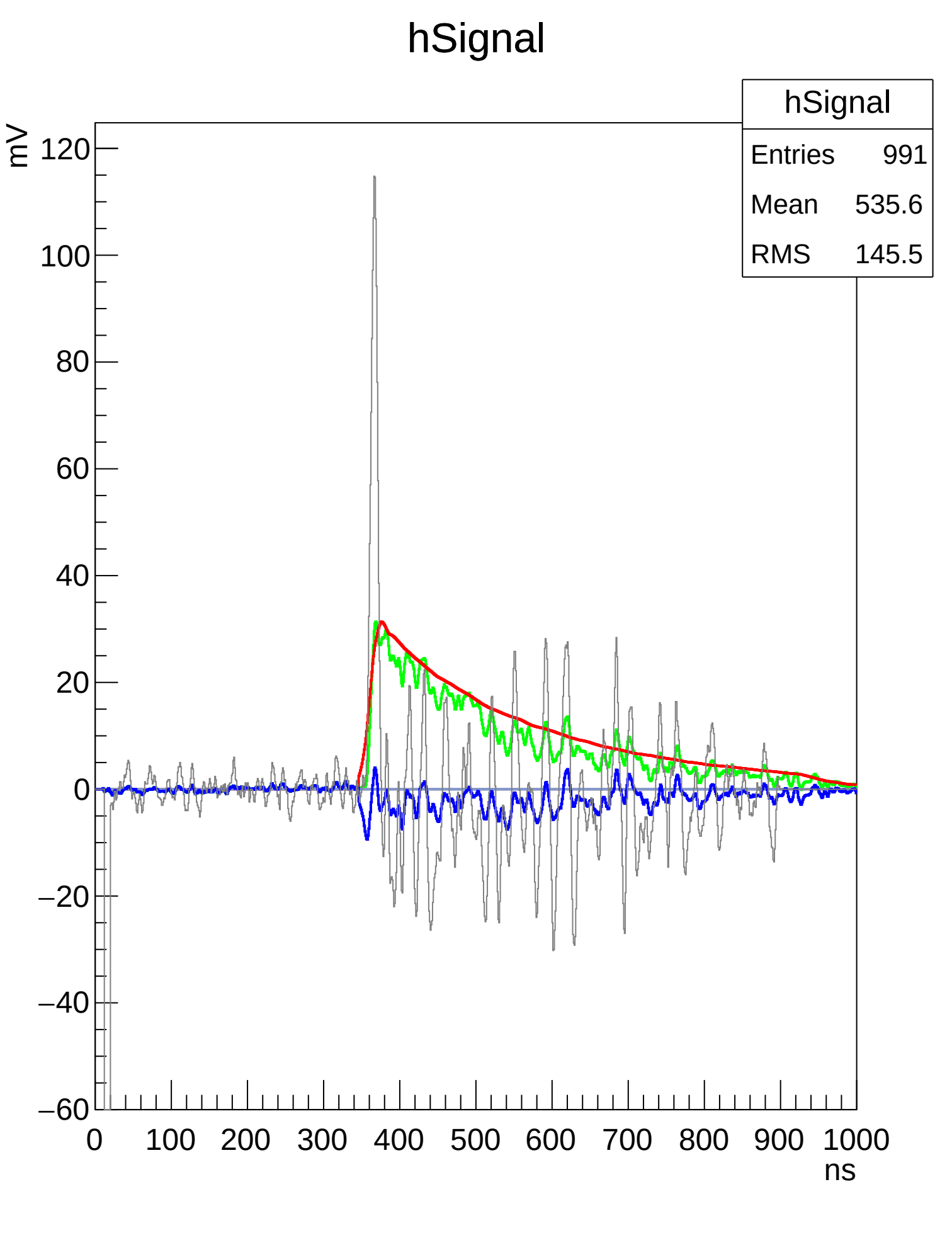
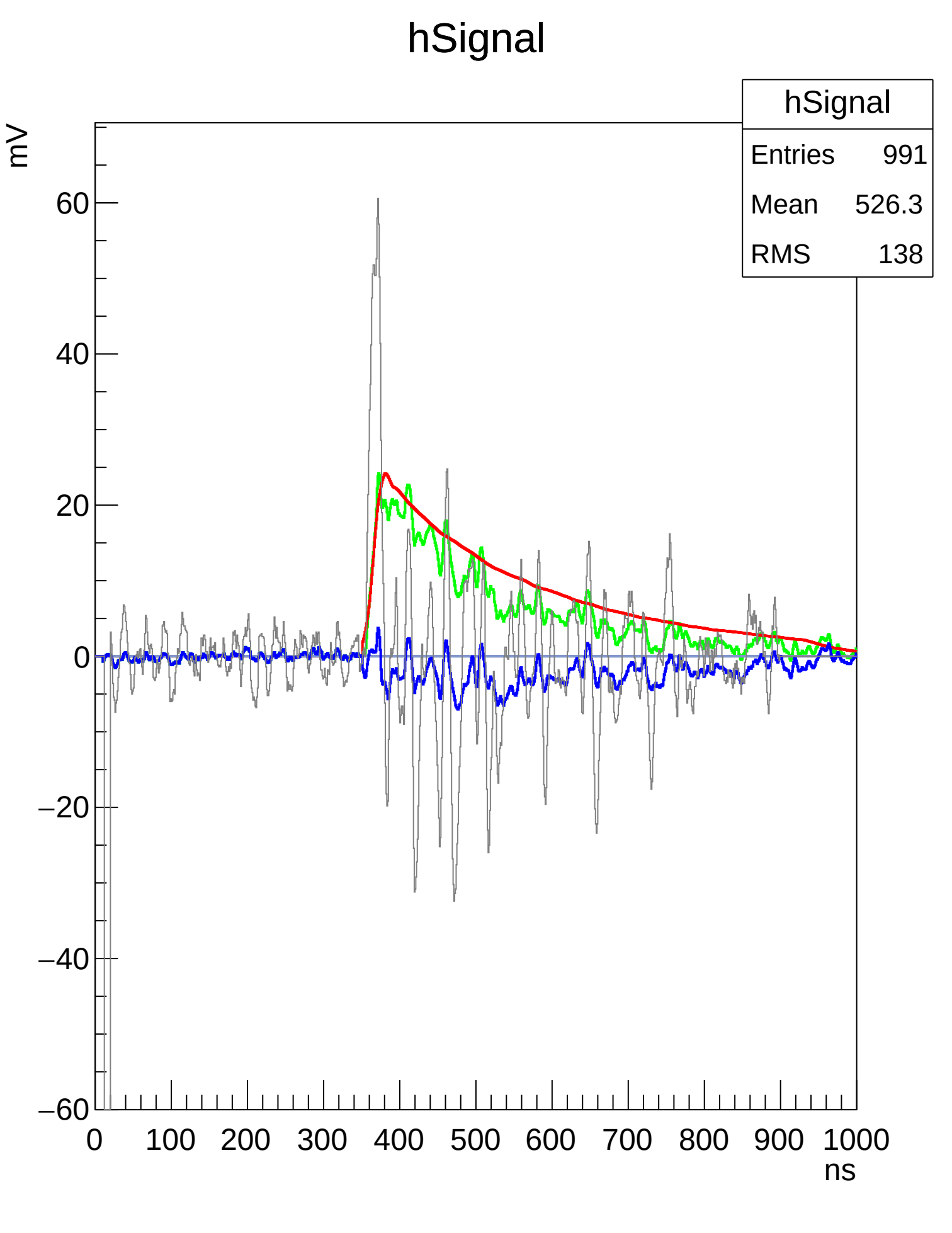
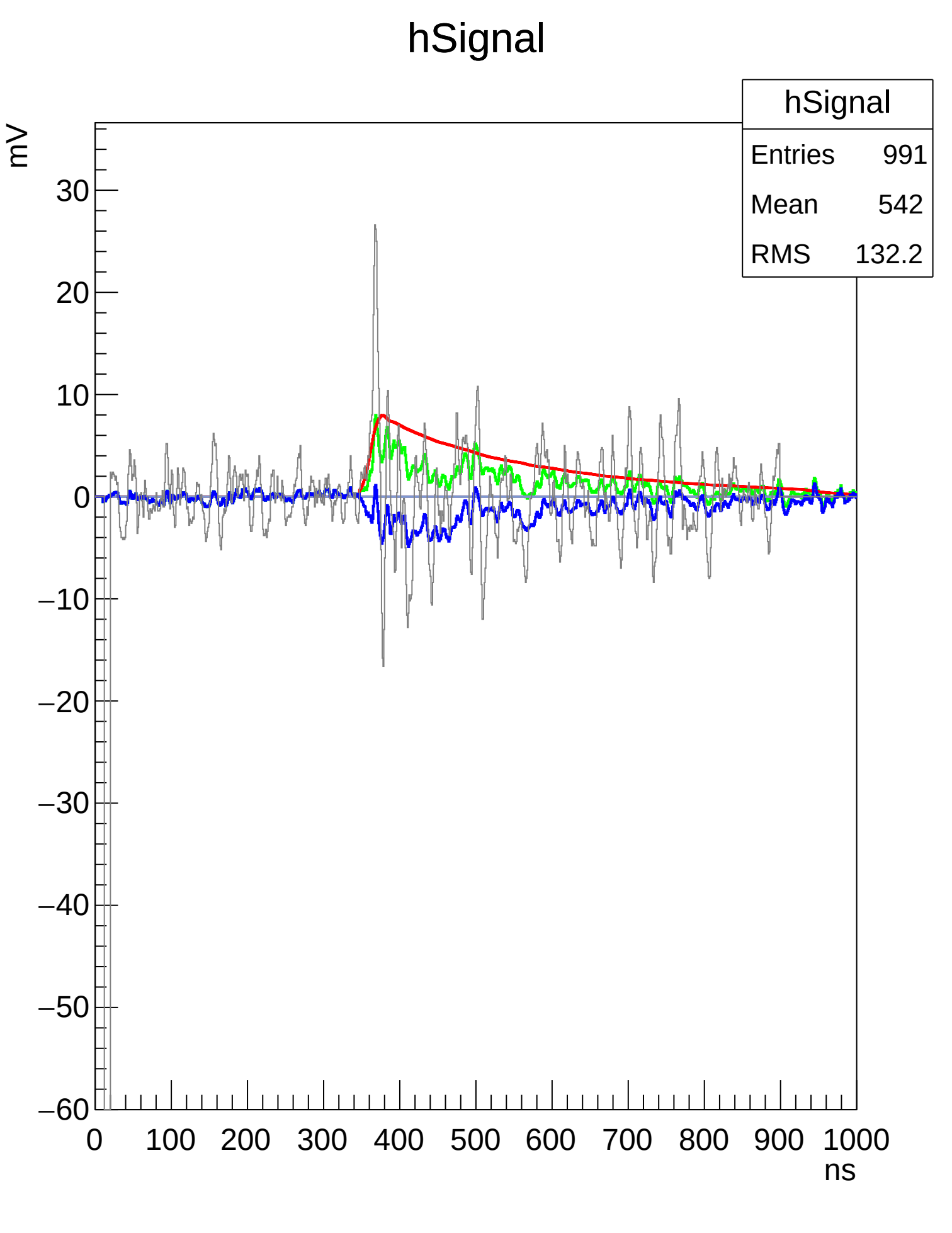
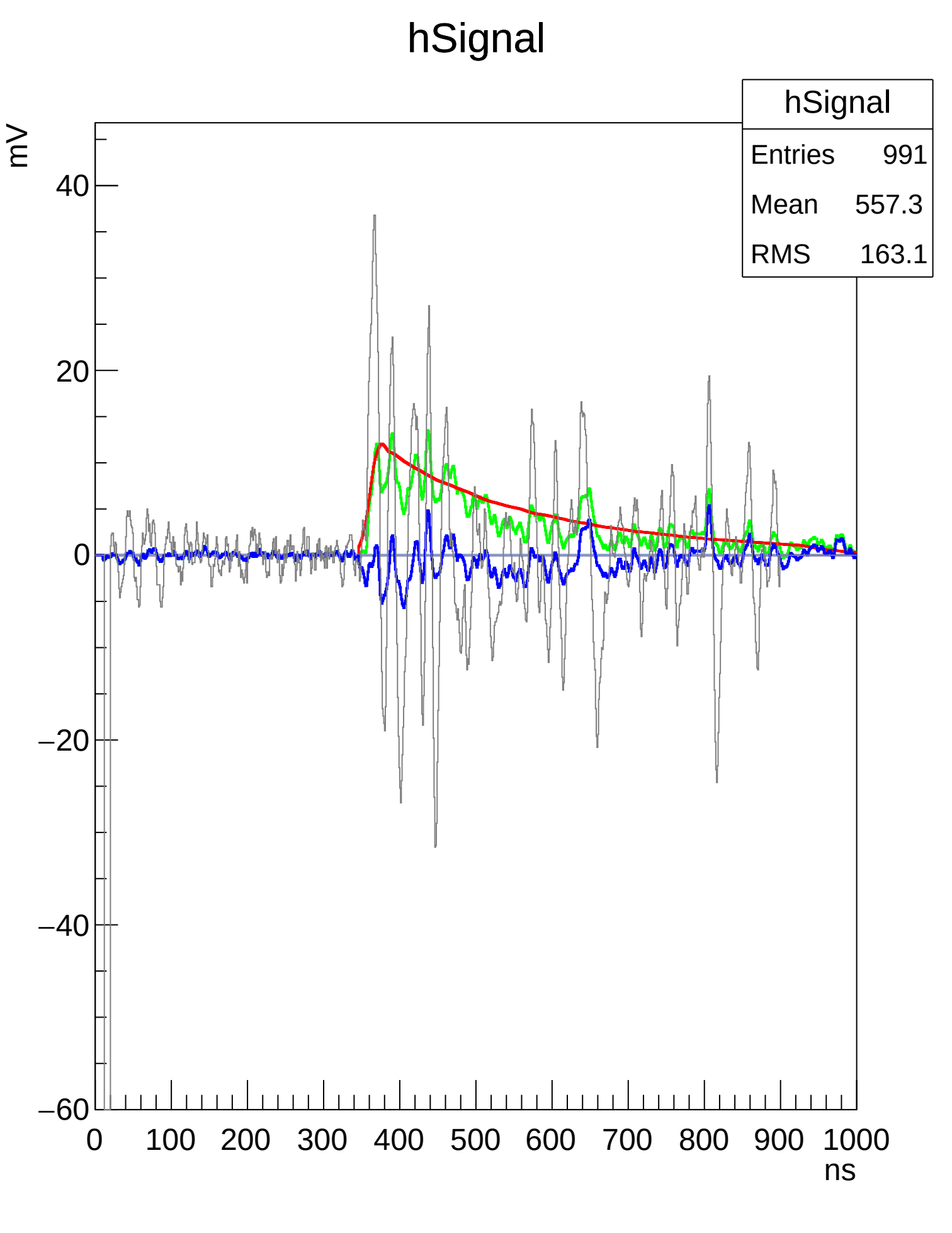
1000
ns


hSignal
hSignal
Entries 991
Mean 535.6
RMS 145.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.3
RMS 138
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542
RMS 132.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.3
RMS 163.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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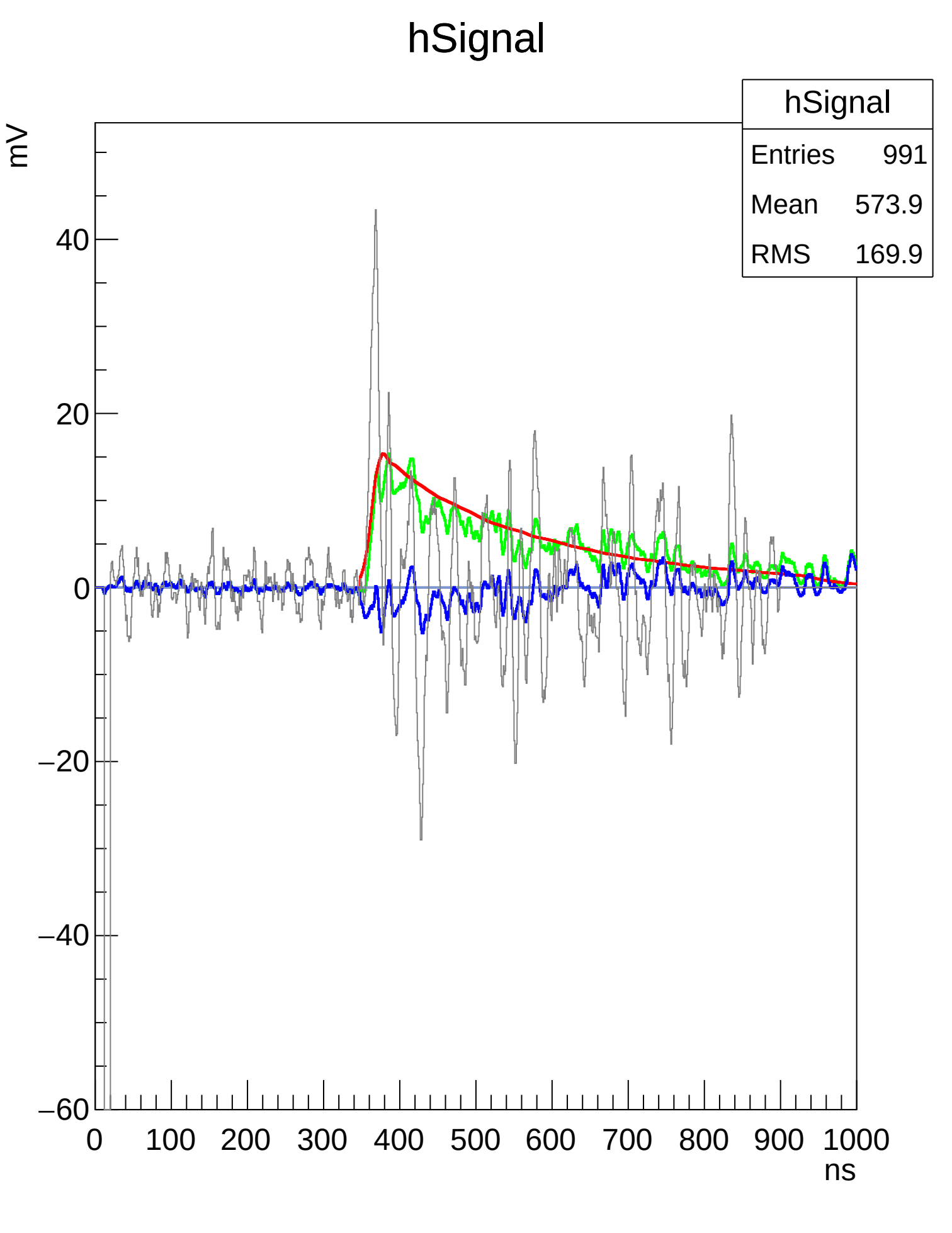
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.9
RMS 169.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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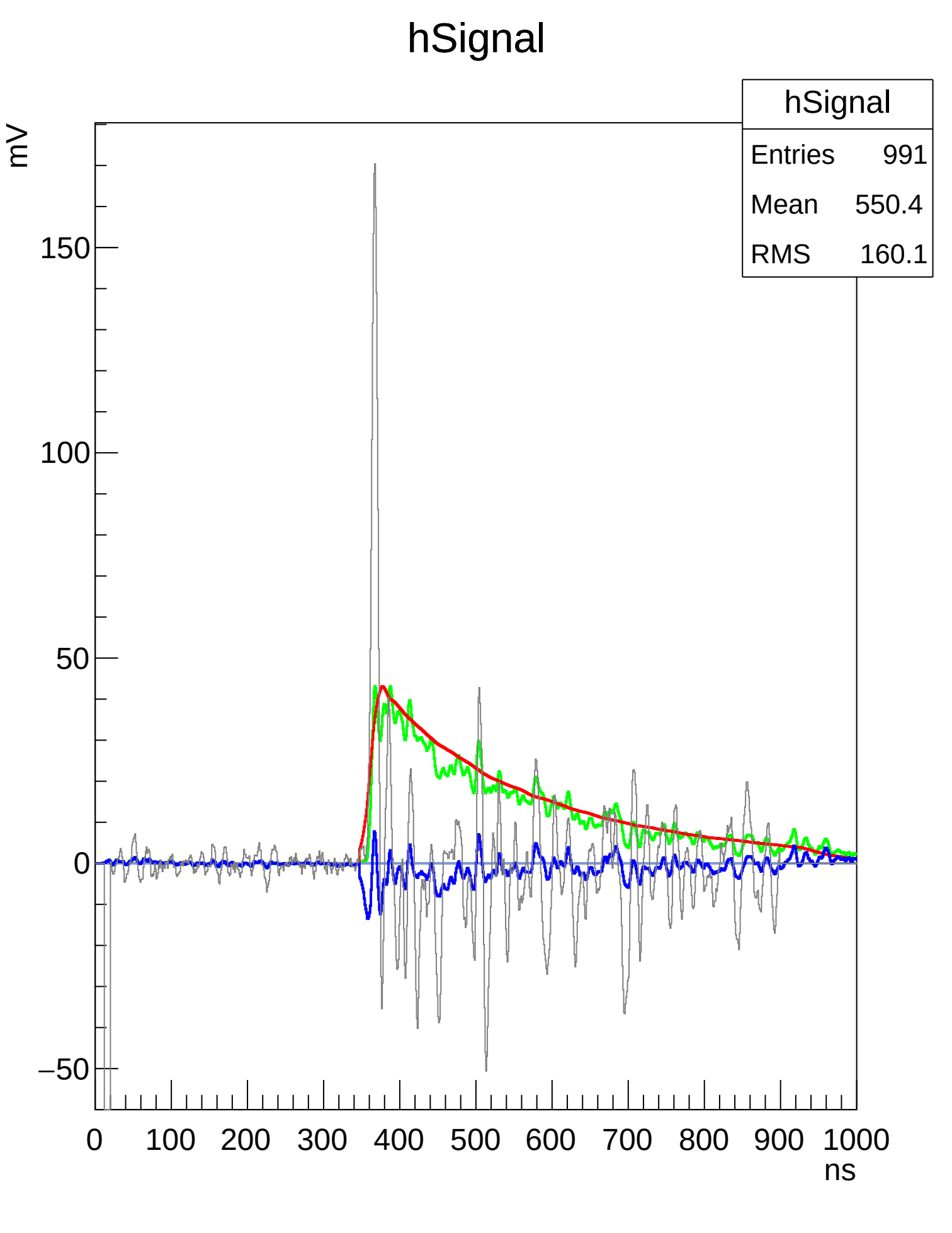
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.4
RMS 160.1
mV
150
100
50
0
−50
0
100
200
300
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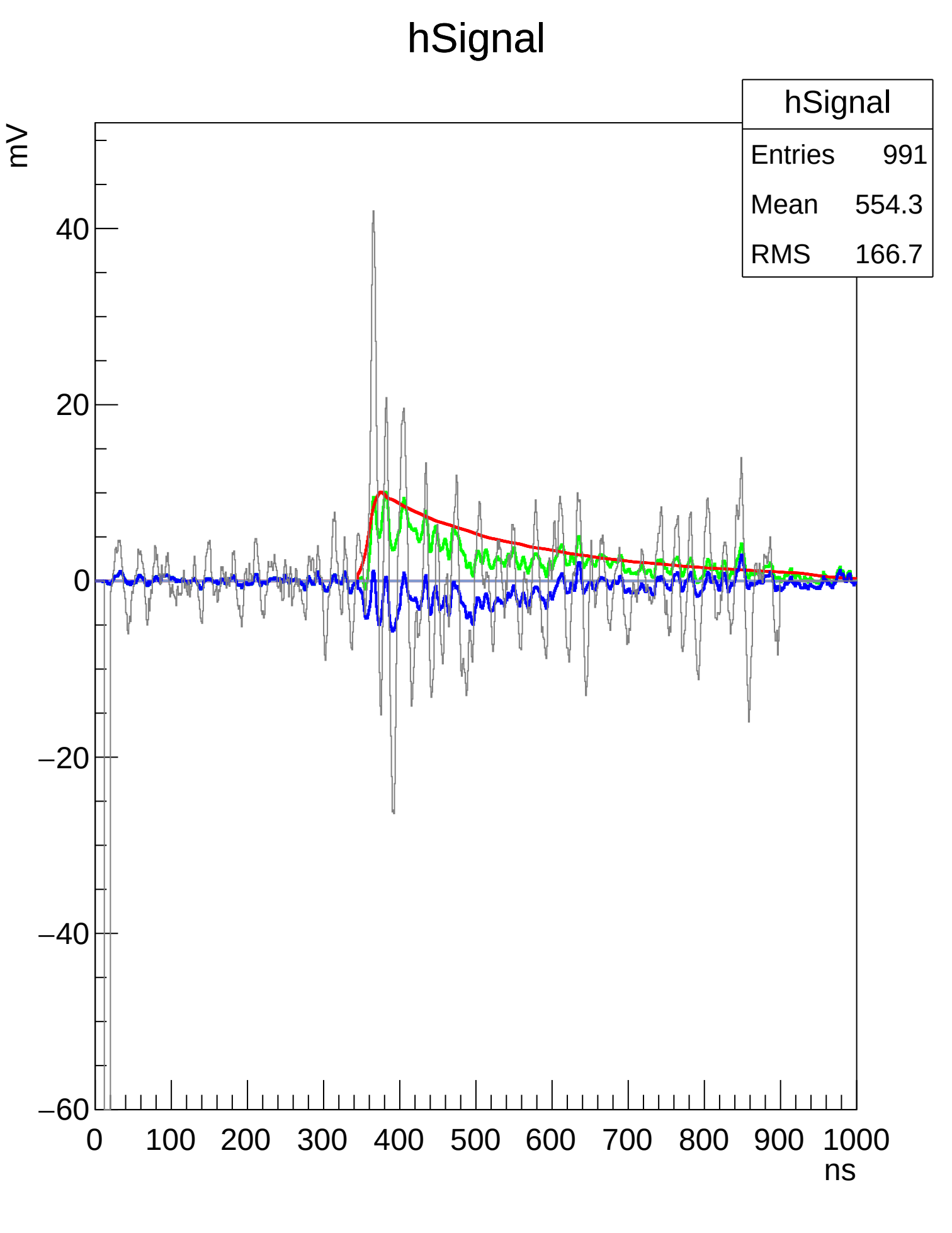
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.3
RMS 166.7
mV
40
20
0
−20
−40
−60
0
100
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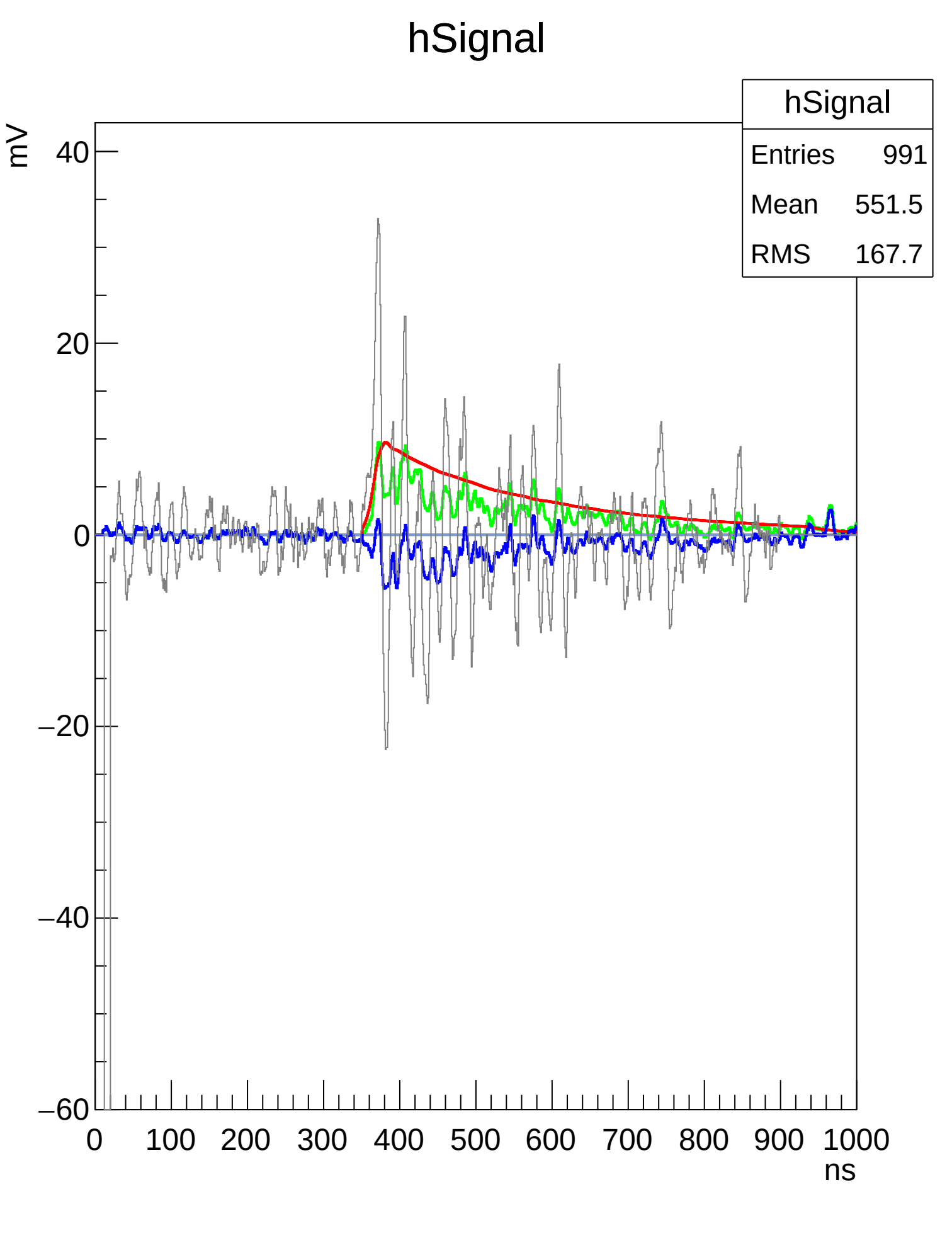
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.5
RMS 167.7
mV
40
20
0
−20
−40
−60
0
100
200
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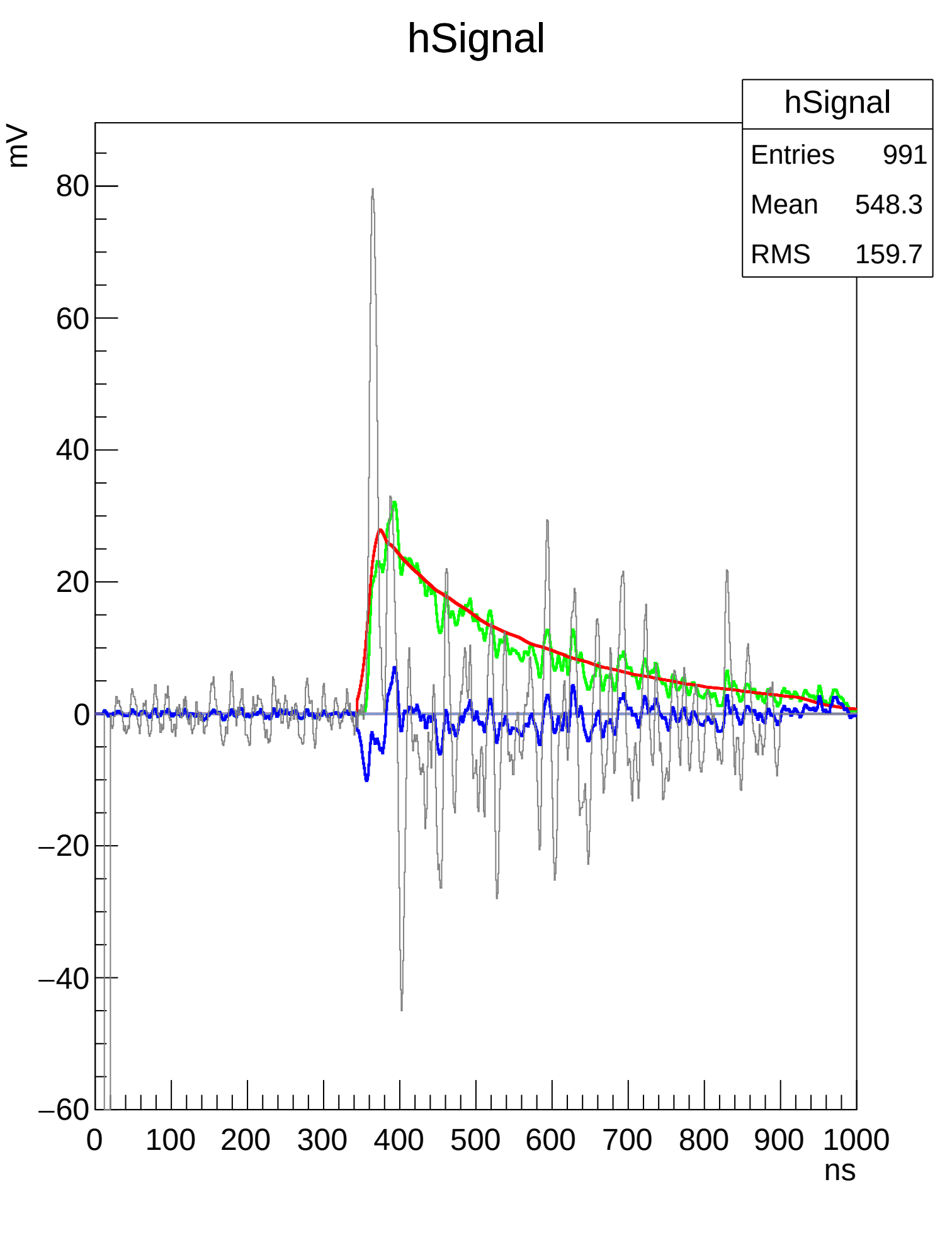
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.3
RMS 159.7
mV
80
60
40
20
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−20
−40
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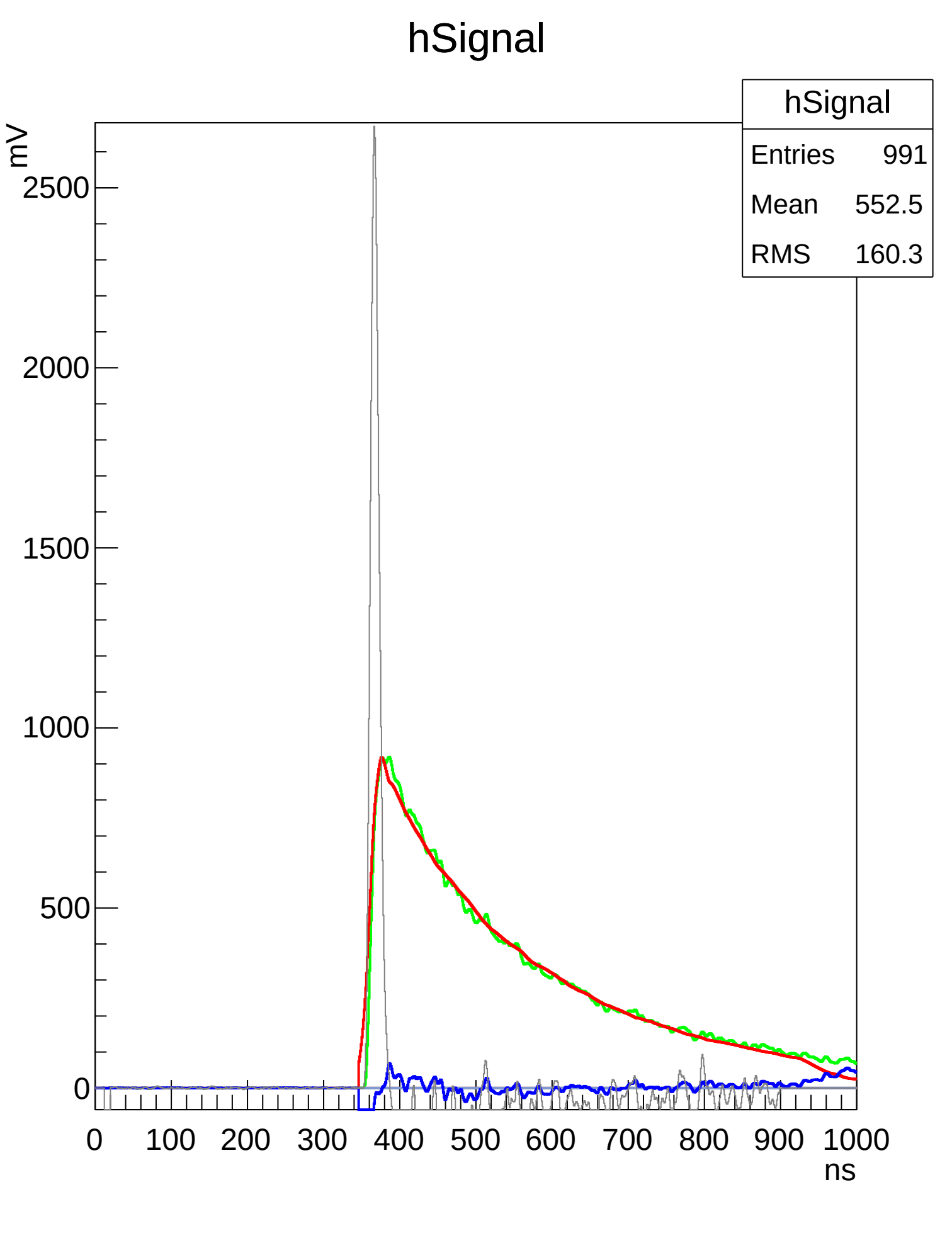
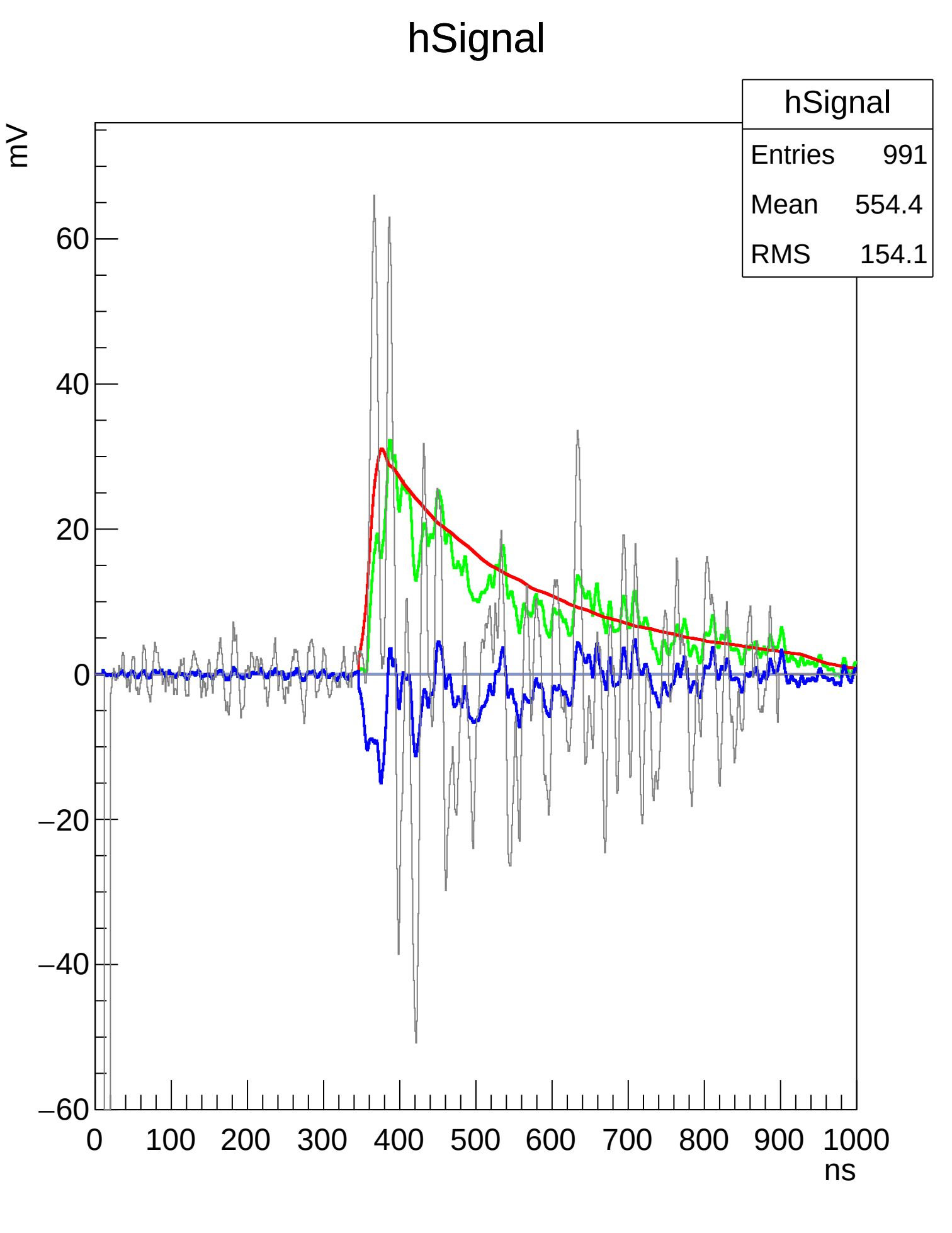
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.5
RMS 160.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 554.4
RMS 154.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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1000
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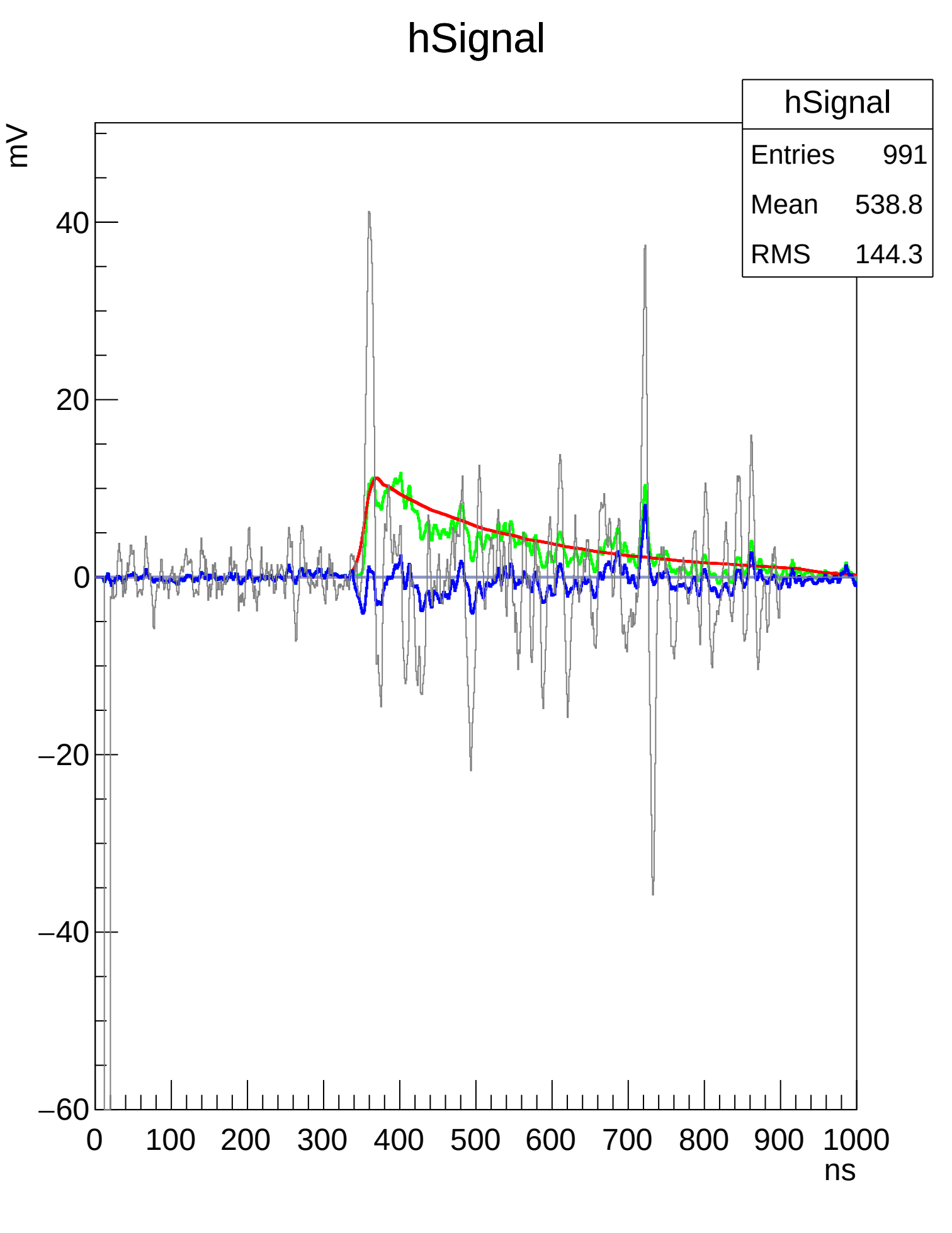
hSignal
hSignal
Entries 991
Mean 538.8
RMS 144.3
mV
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−20
−40
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0
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400
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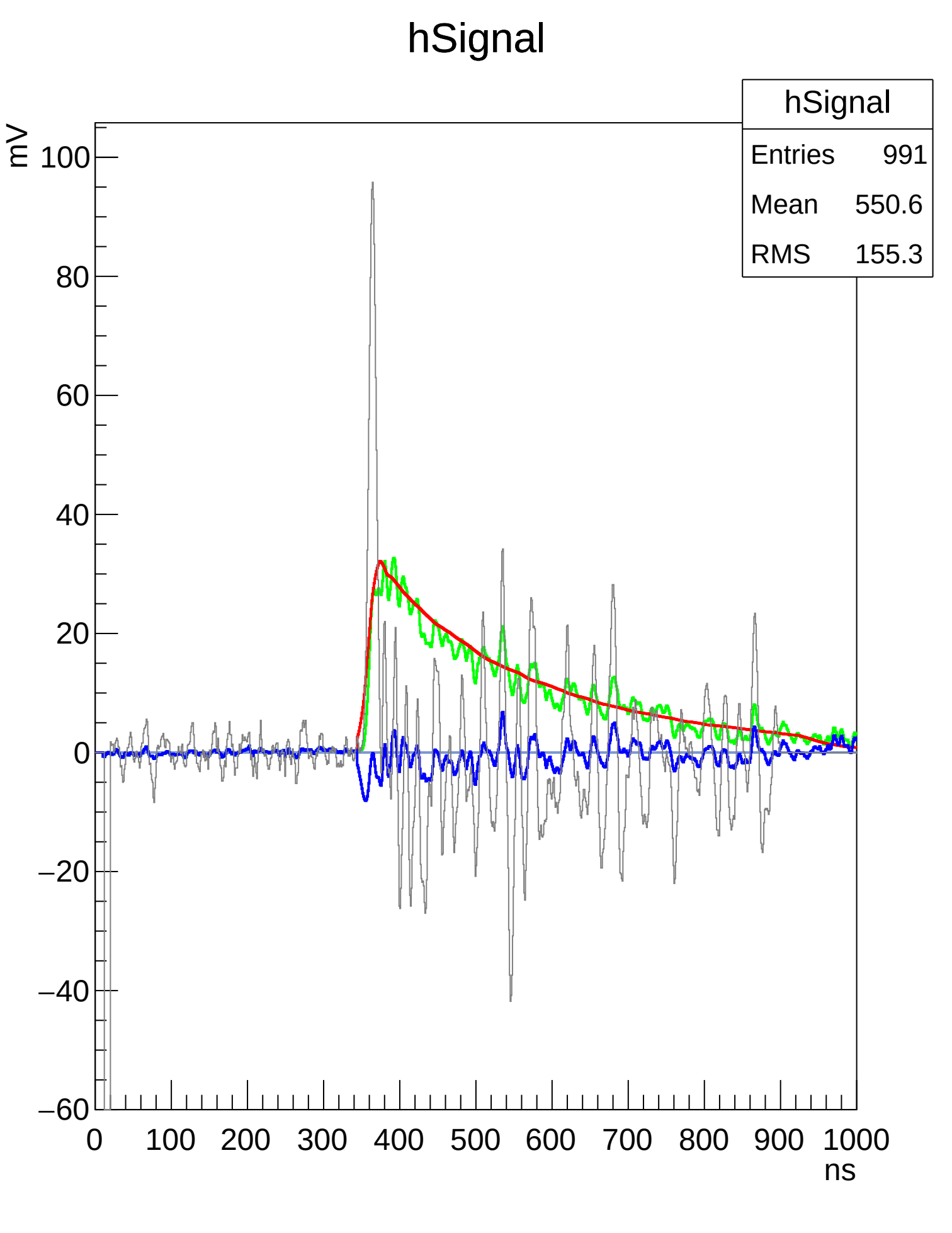
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hSignal
Entries 991
Mean 550.6
RMS 155.3
mV
100
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40
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400
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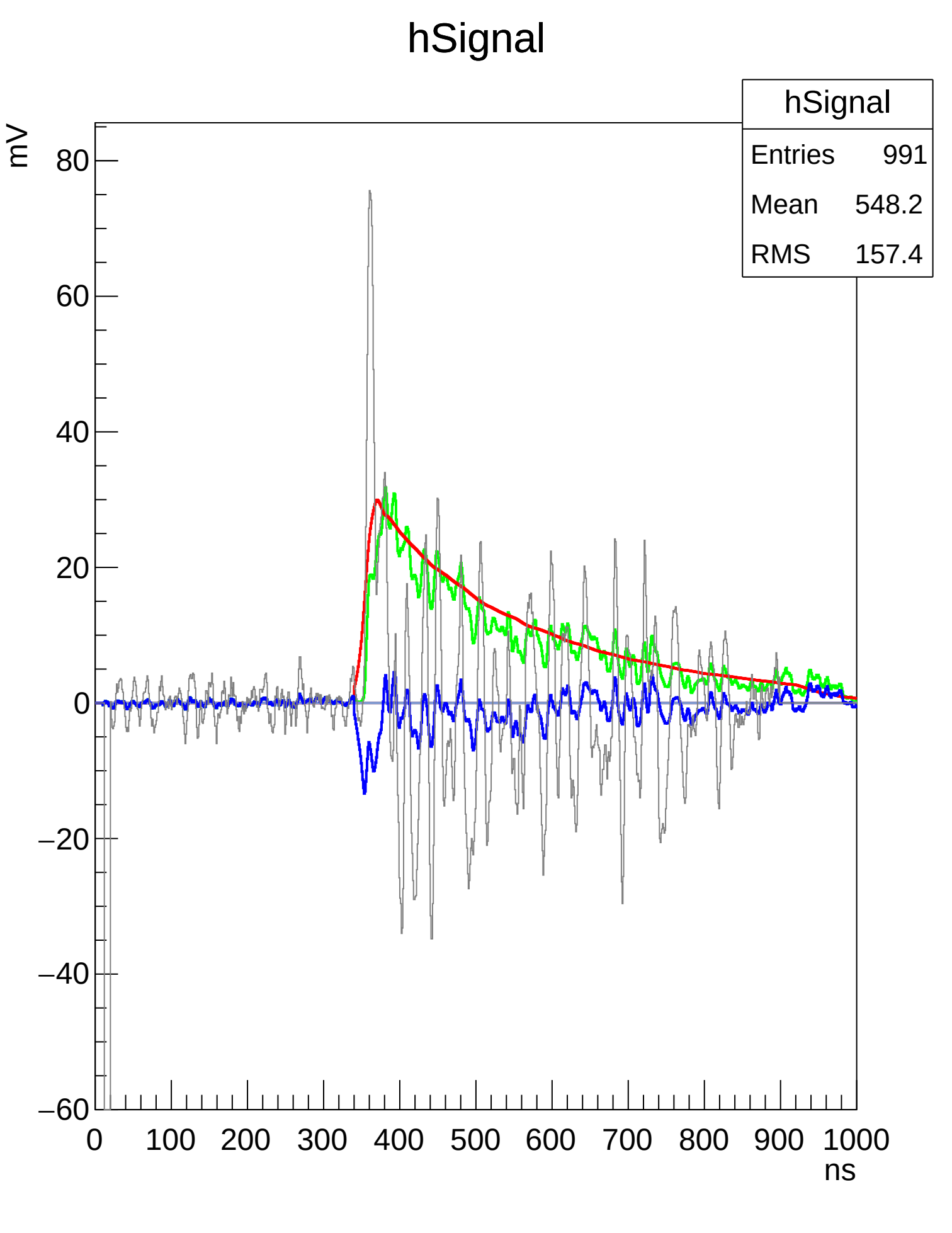
hSignal
hSignal
Entries 991
Mean 548.2
RMS 157.4
mV
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60
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−40
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0
100
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400
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1000
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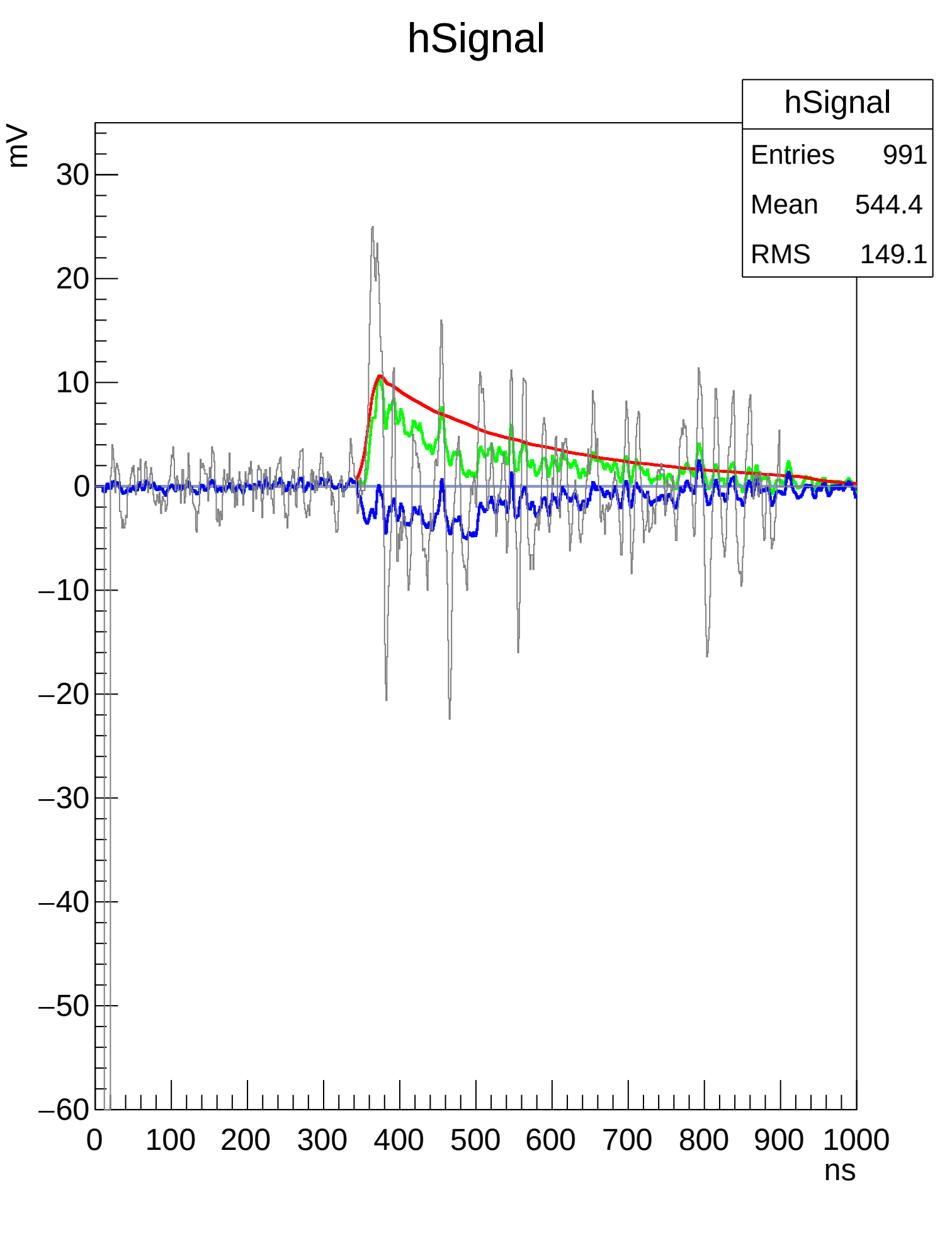
hSignal
hSignal
Entries 991
Mean 544.4
RMS 149.1
mV
30
20
10
0
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−40
−50
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0
100
200
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400
500
600
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800
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1000
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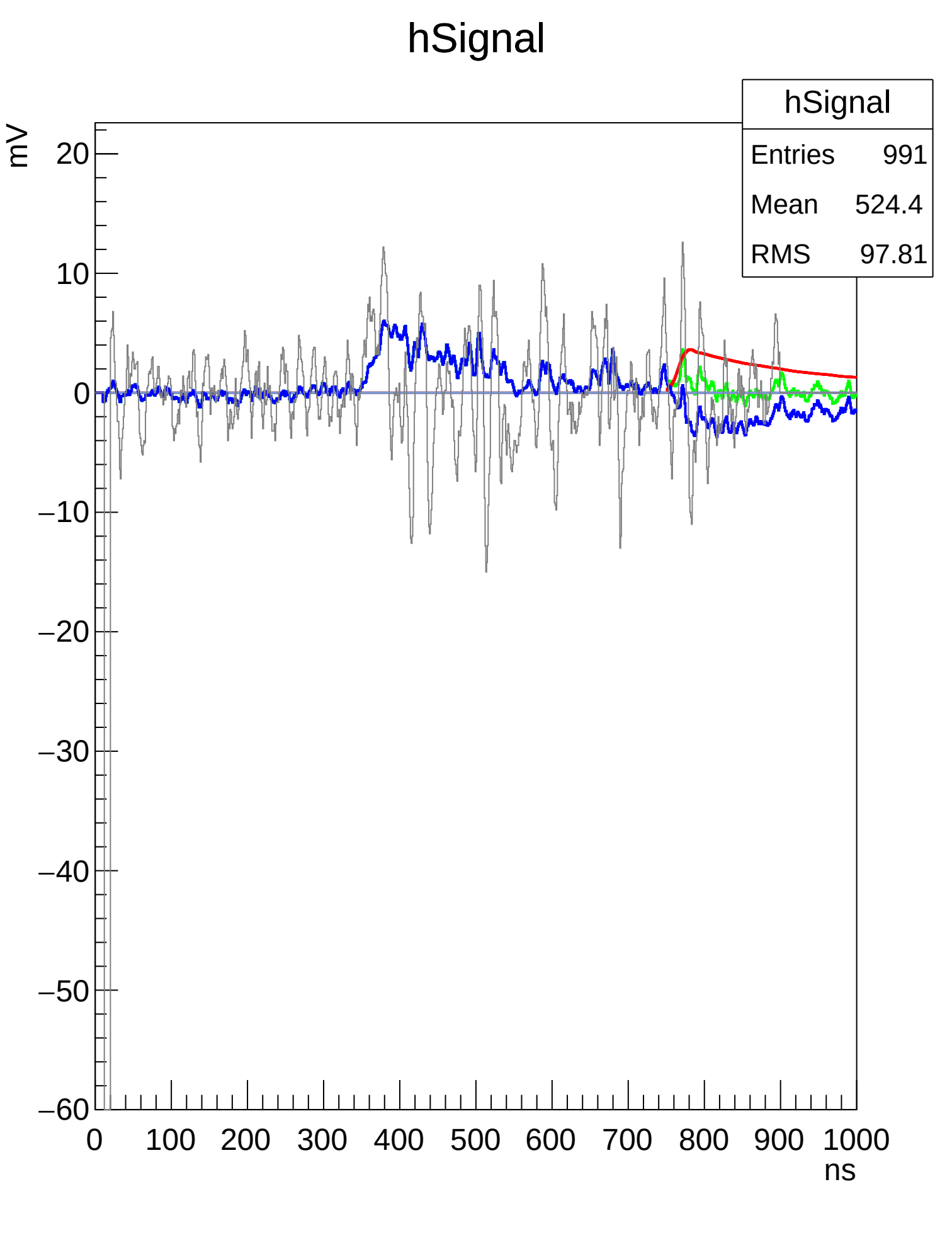
hSignal
hSignal
Entries 991
Mean 524.4
RMS 97.81
mV
20
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0
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200
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400
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800
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1000
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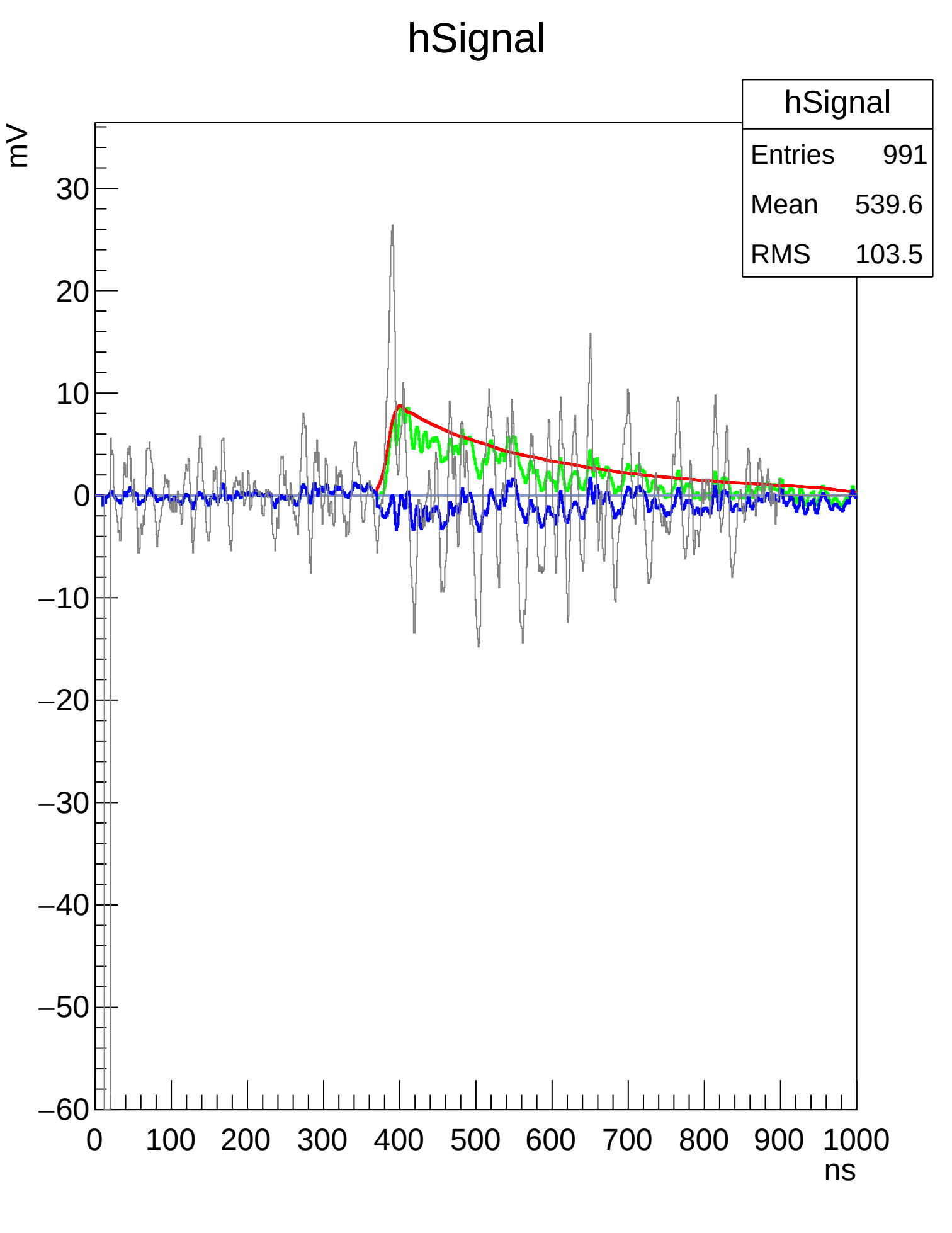
hSignal
hSignal
Entries 991
Mean 539.6
RMS 103.5
mV
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10
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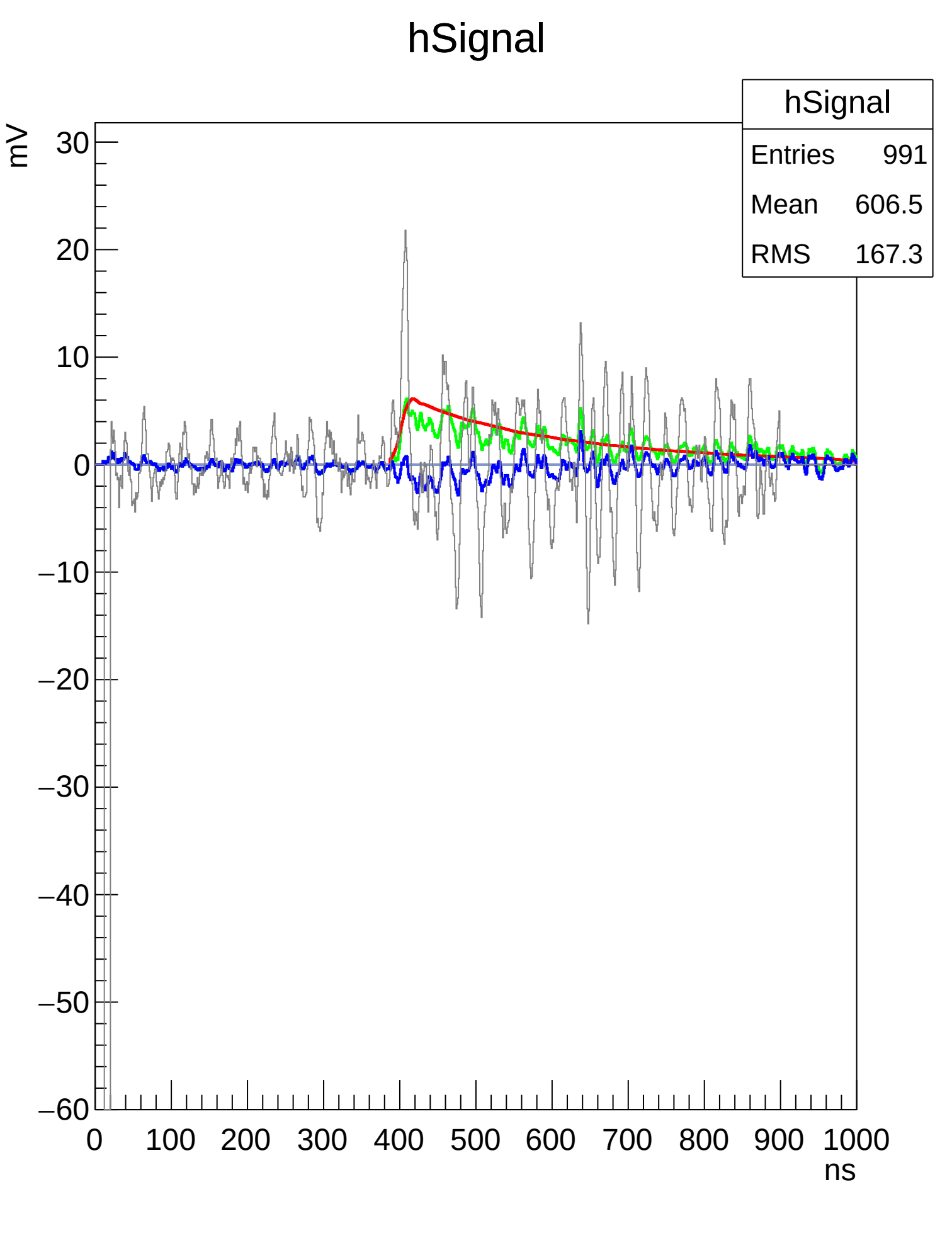
hSignal
hSignal
Entries 991
Mean 606.5
RMS 167.3
mV
30
20
10
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0
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400
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800
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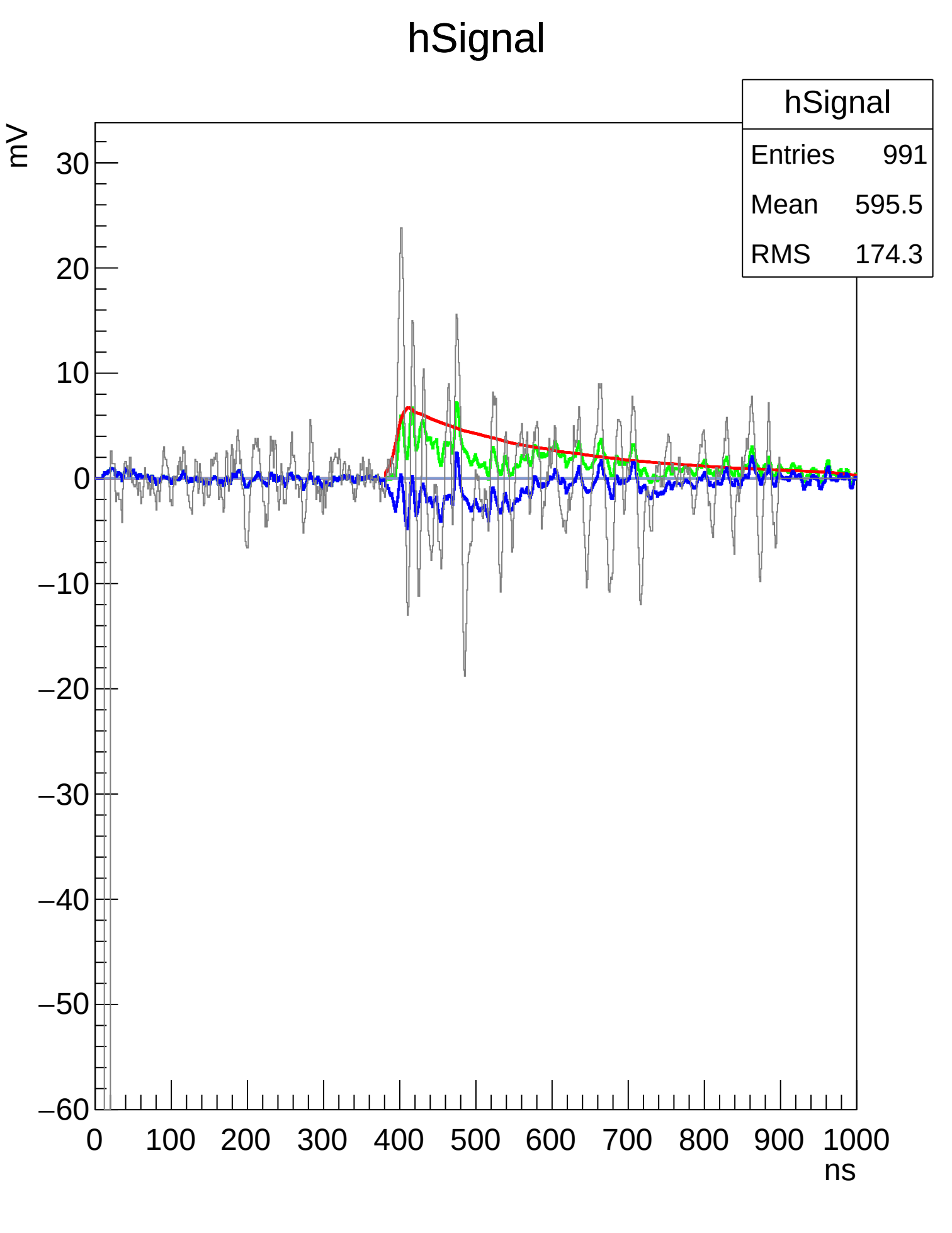
1000
ns


hSignal
hSignal
Entries 991
Mean 595.5
RMS 174.3
mV
30
20
10
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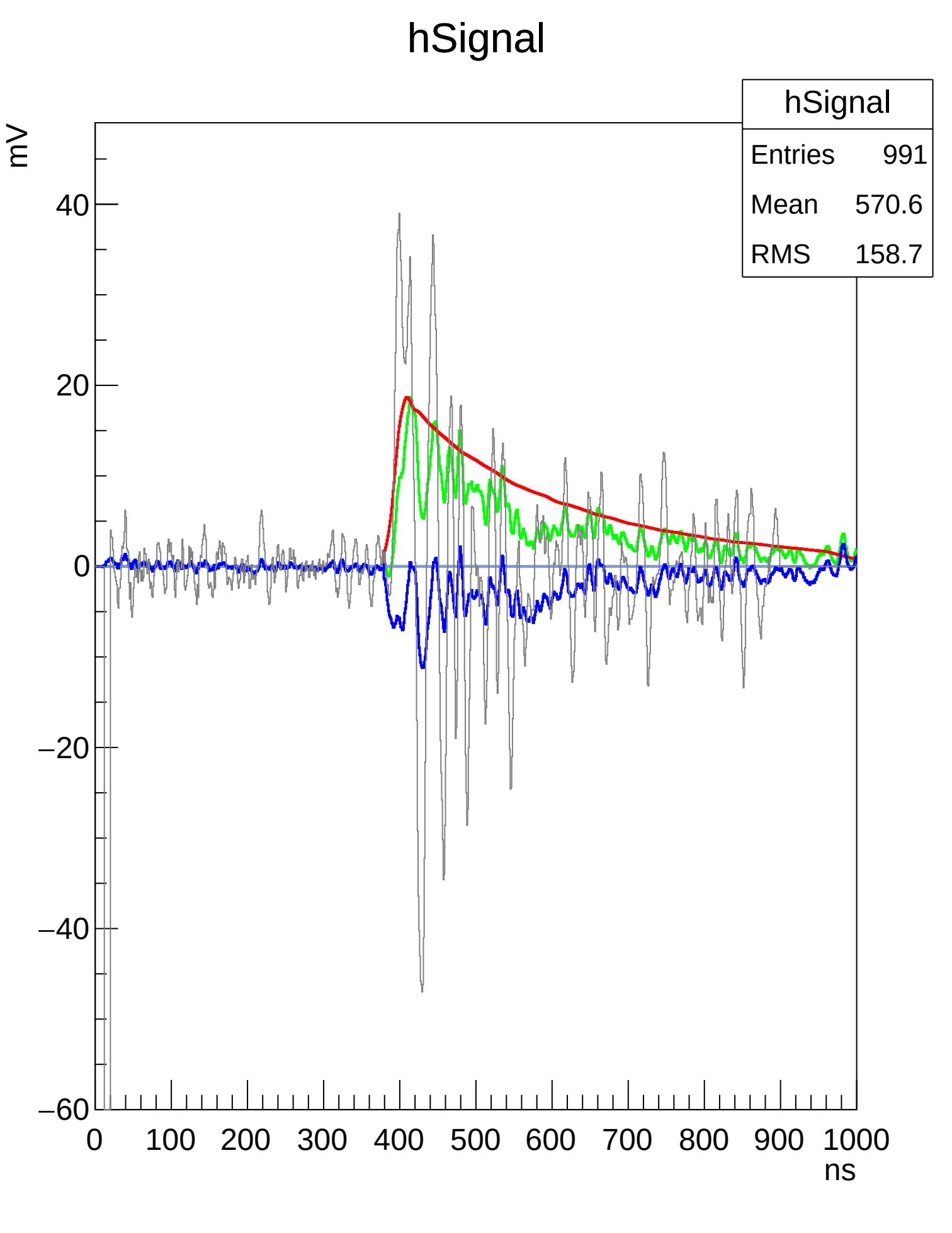
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 158.7
mV
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−20
−40
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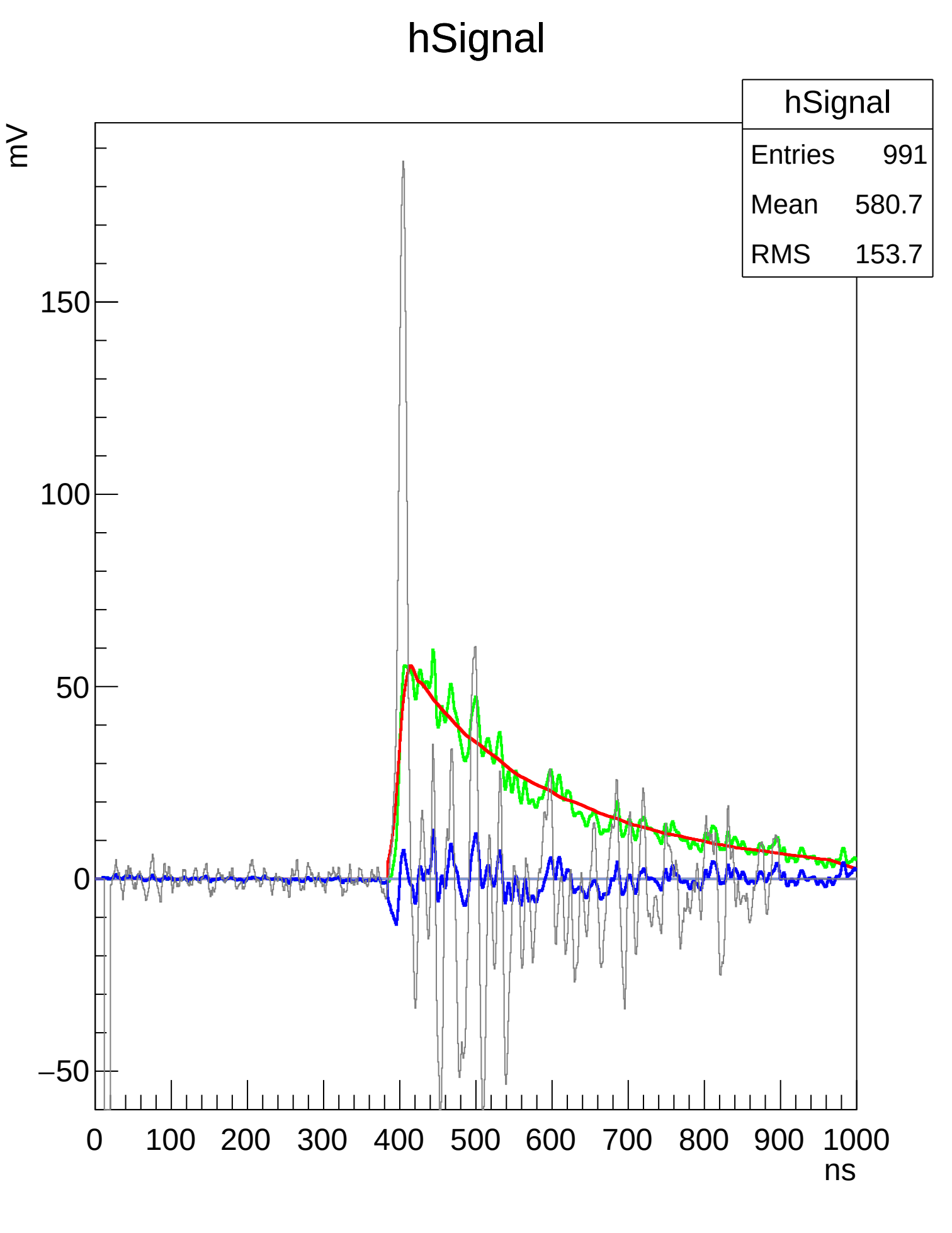
1000
ns


hSignal
hSignal
Entries 991
Mean 580.7
RMS 153.7
mV
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100
50
0
−50
0
100
200
300
400
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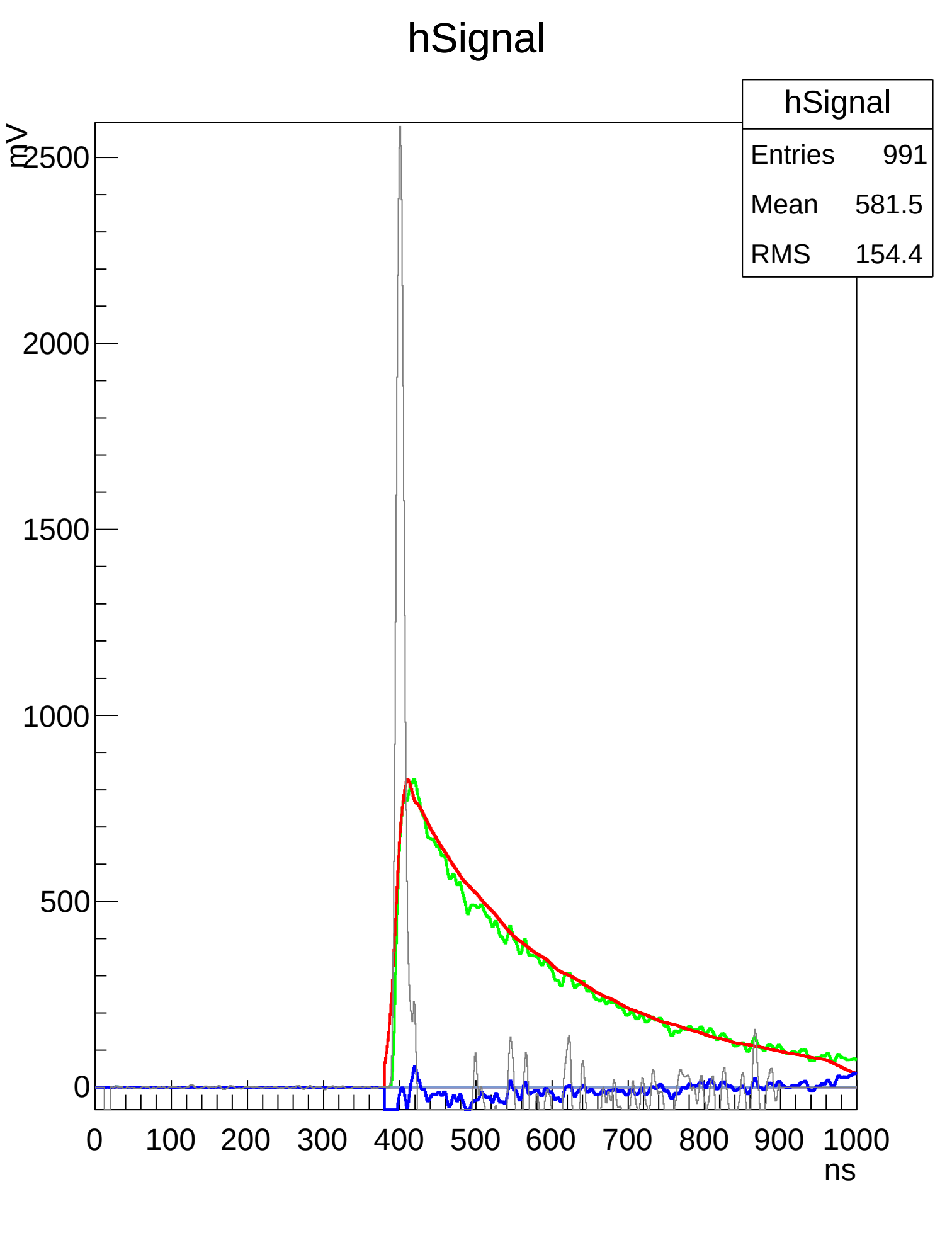
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.5
RMS 154.4
mV
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1500
1000
500
0
0
100
200
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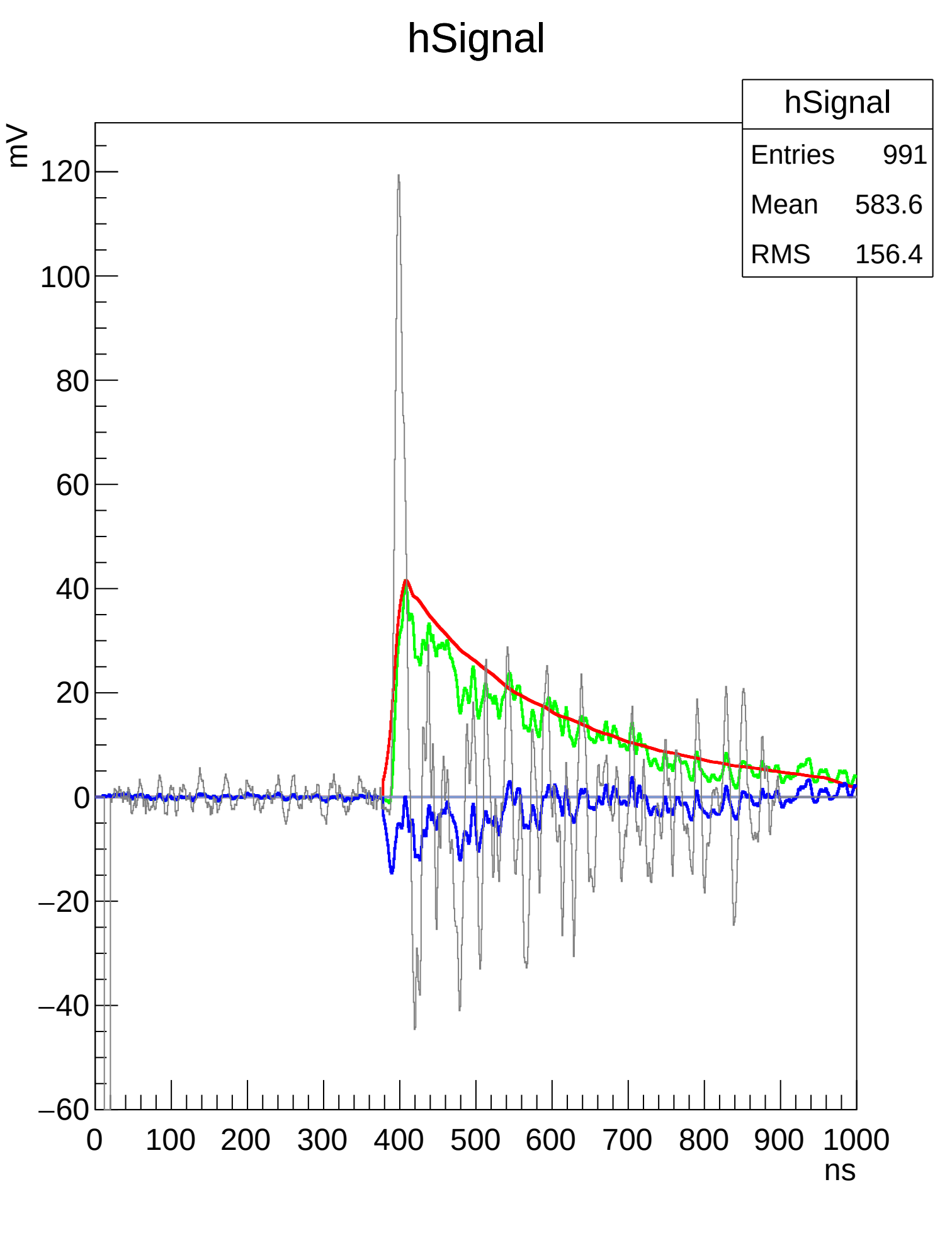
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 156.4
mV
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100
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−20
−40
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0
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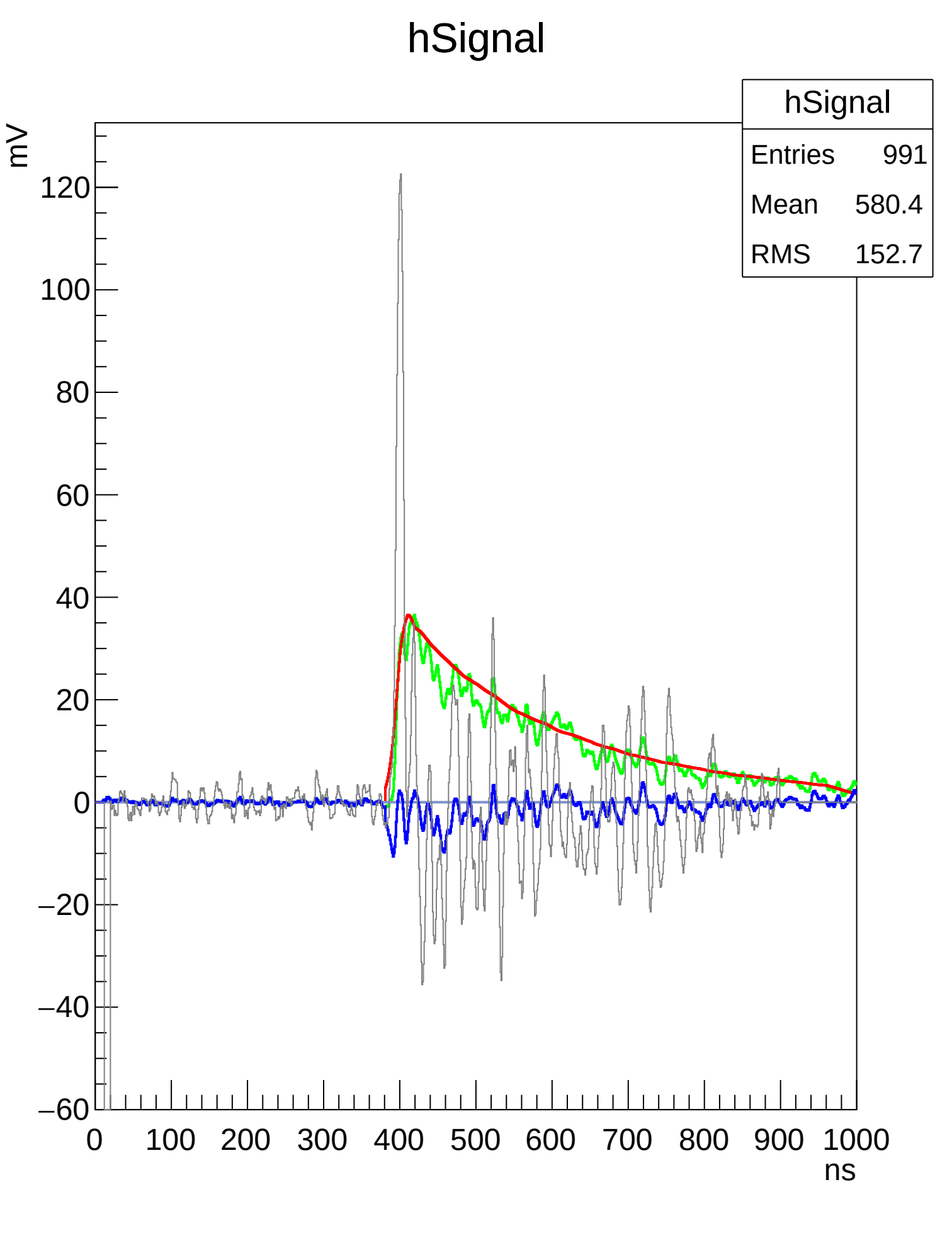
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.4
RMS 152.7
mV
120
100
80
60
40
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−20
−40
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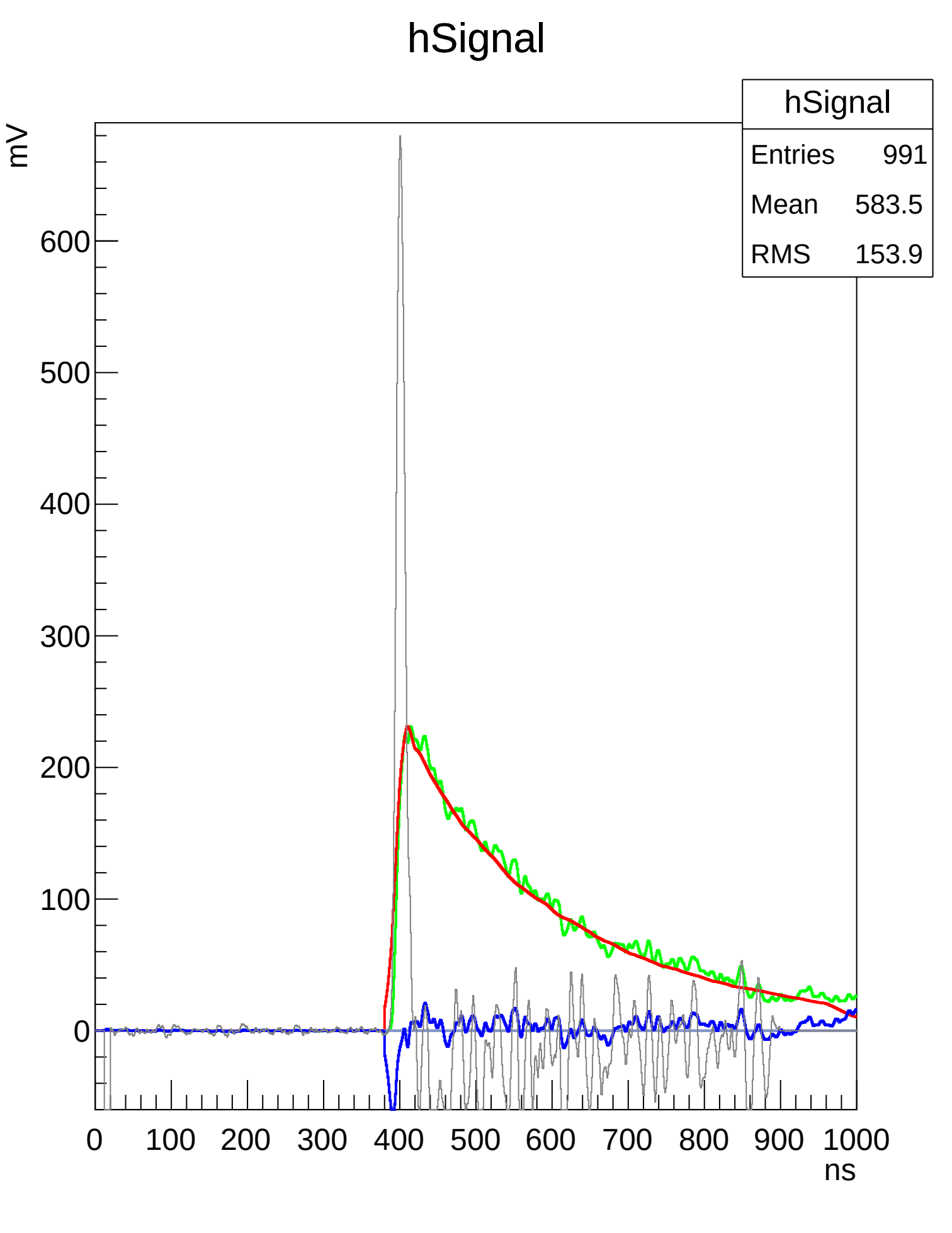
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.5
RMS 153.9
mV
600
500
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300
200
100
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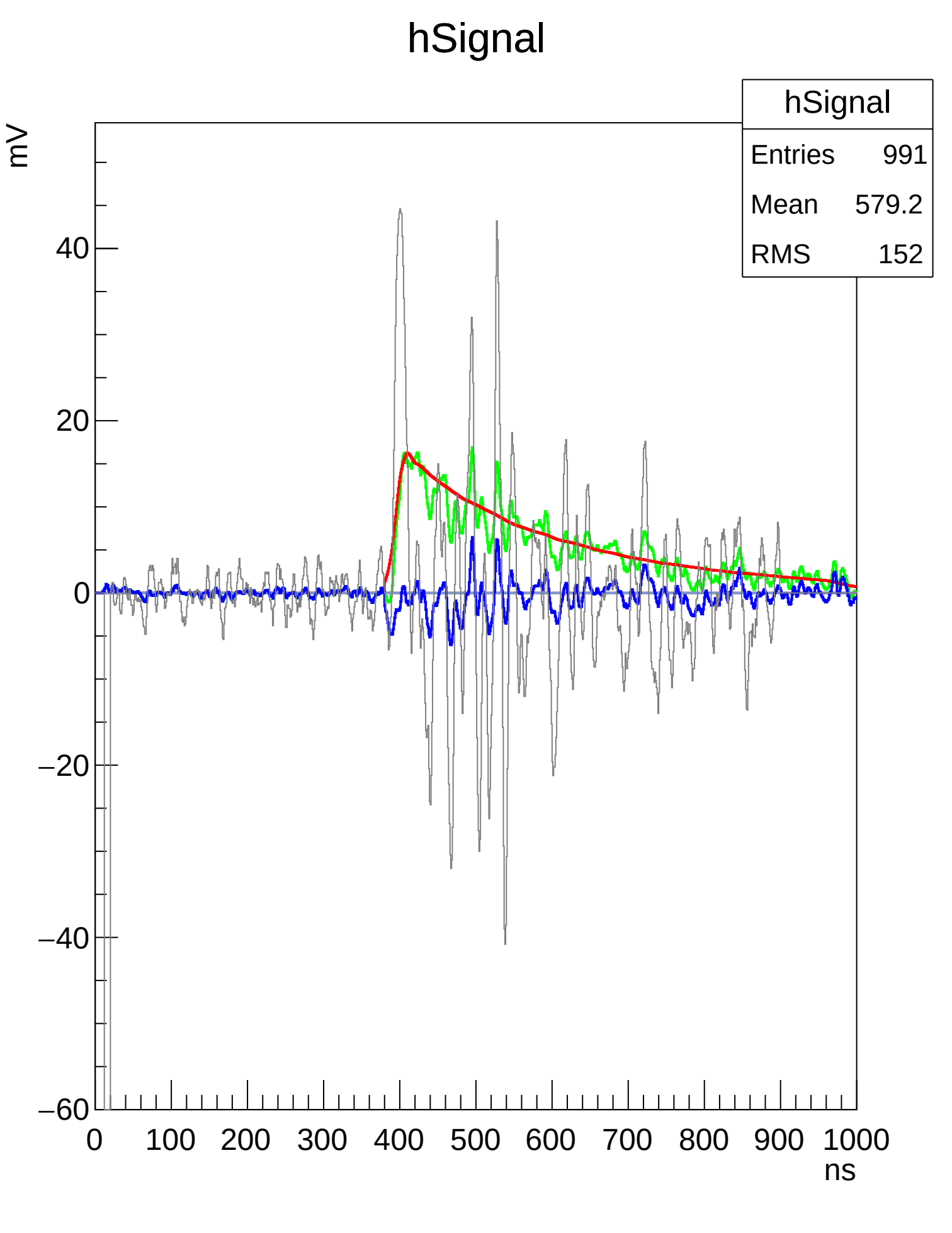
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 152
mV
40
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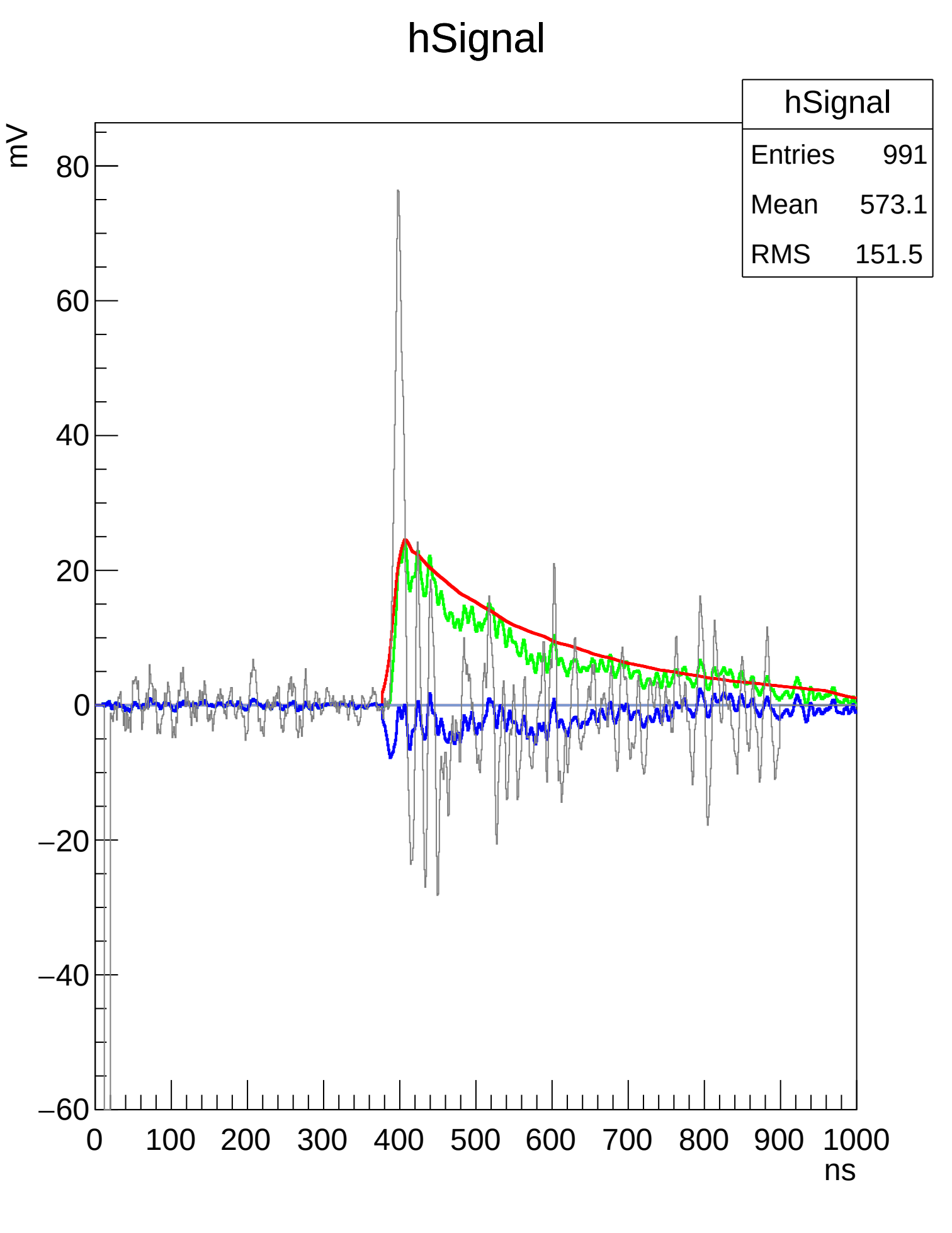
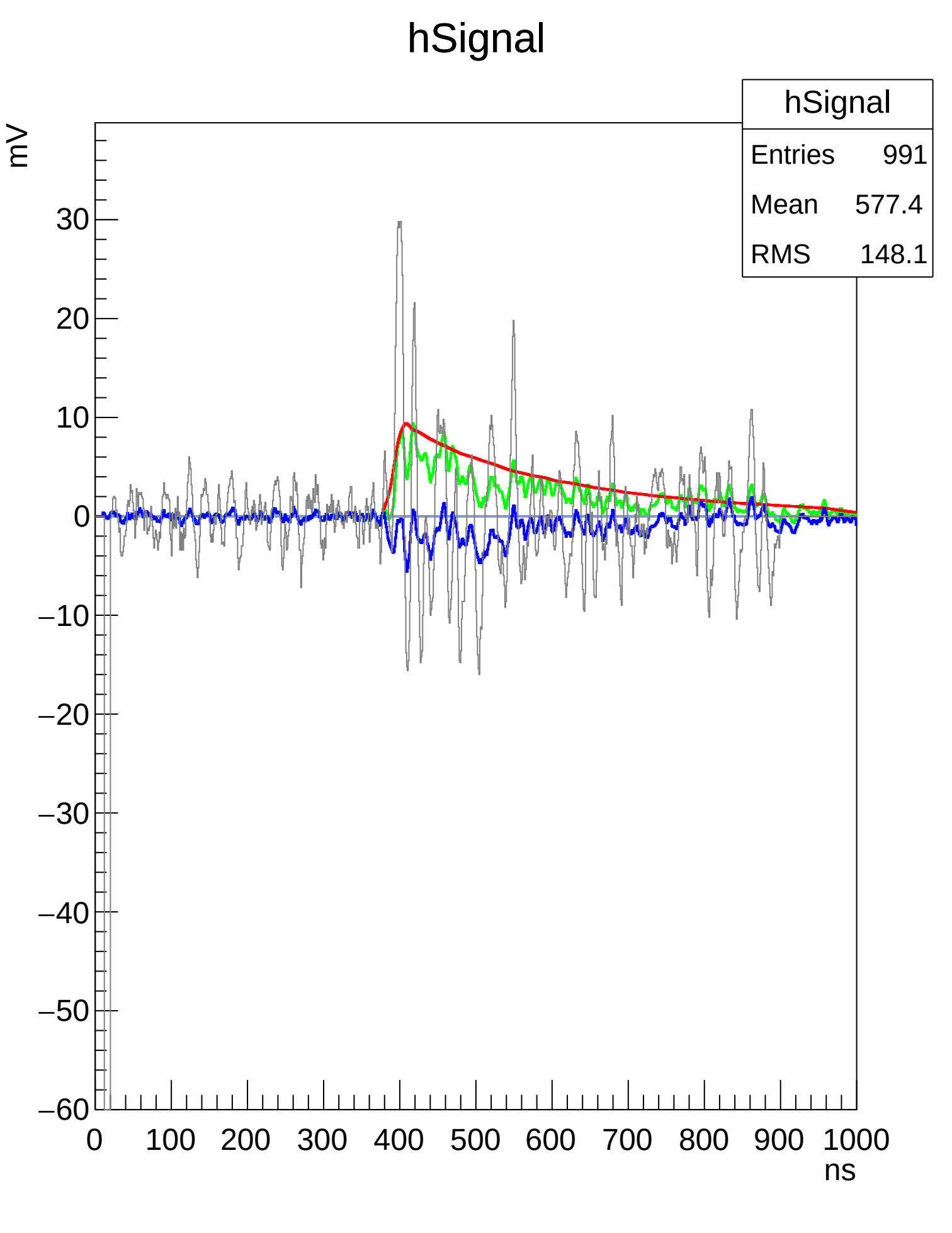
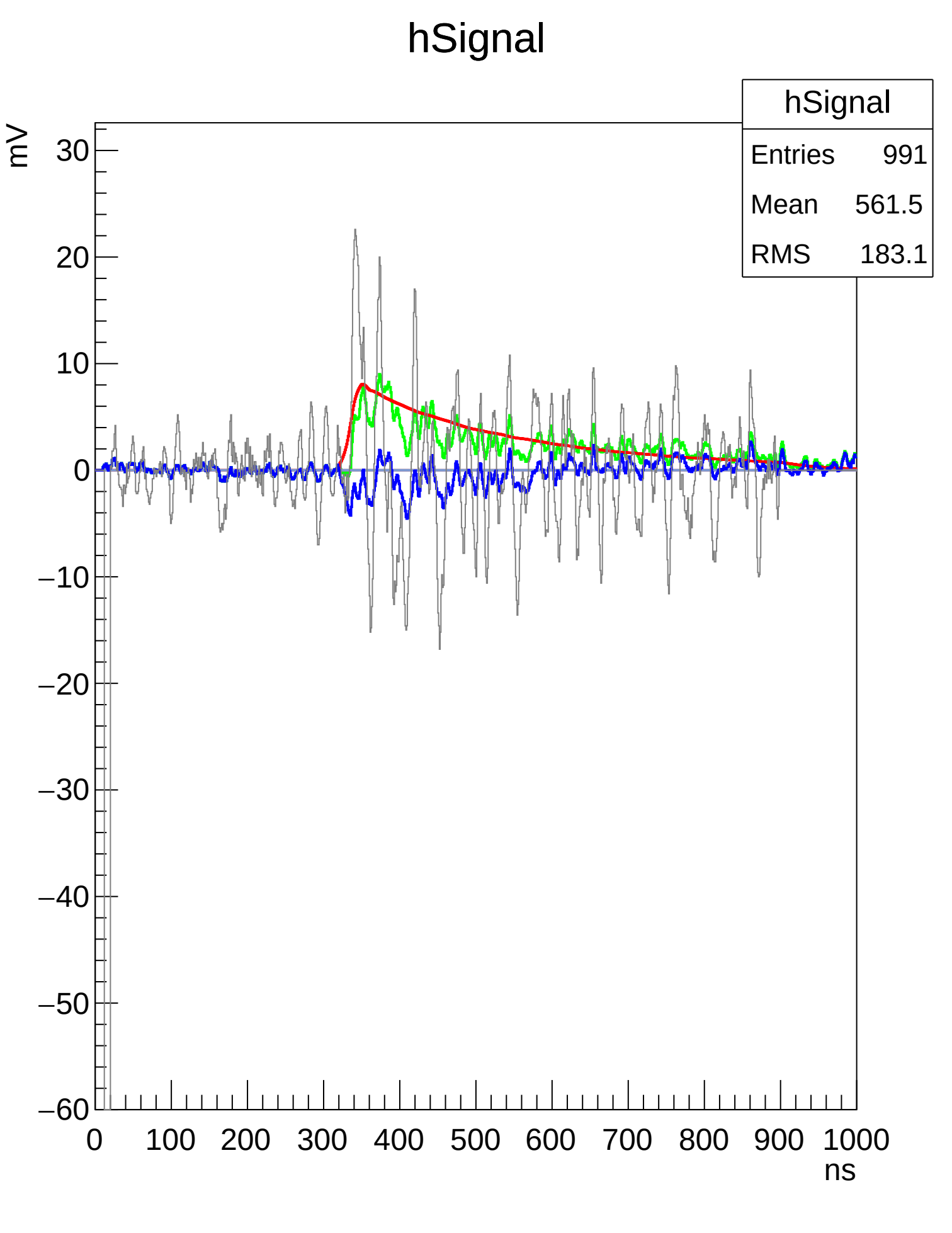
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.1
RMS 151.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.4
RMS 148.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.5
RMS 183.1
mV
30
20
10
0
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−50
−60
0
100
200
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400
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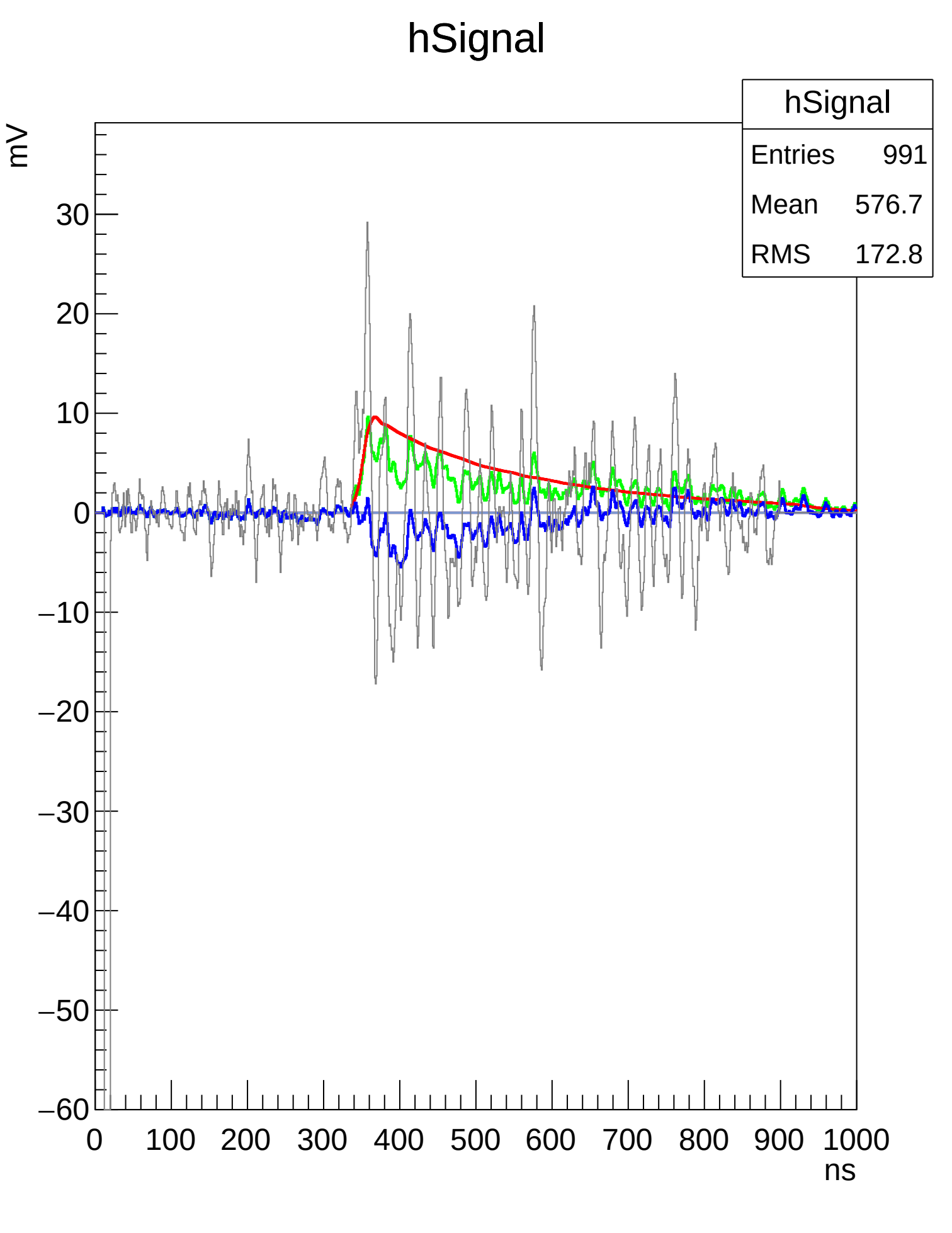
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.7
RMS 172.8
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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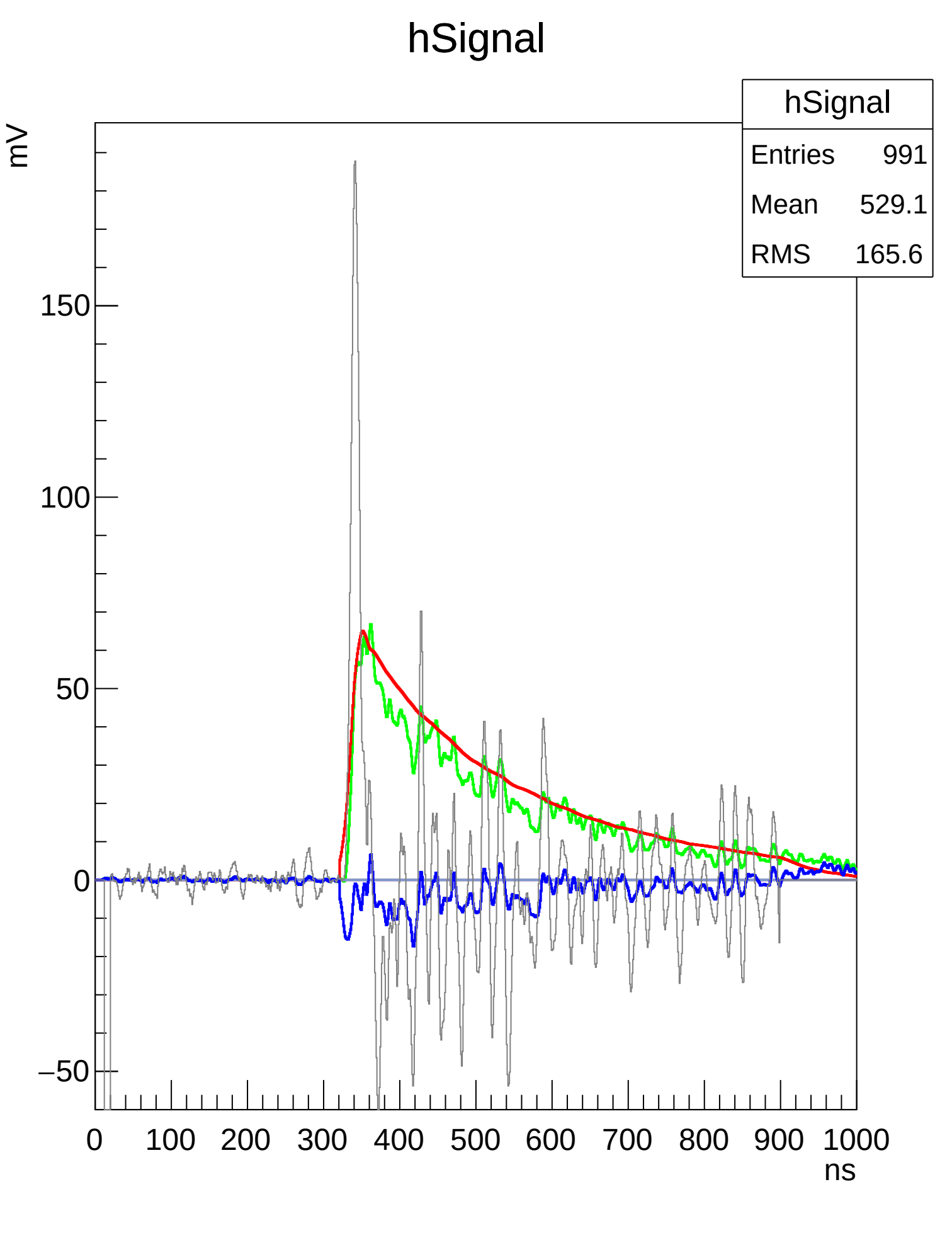
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.1
RMS 165.6
mV
150
100
50
0
−50
0
100
200
300
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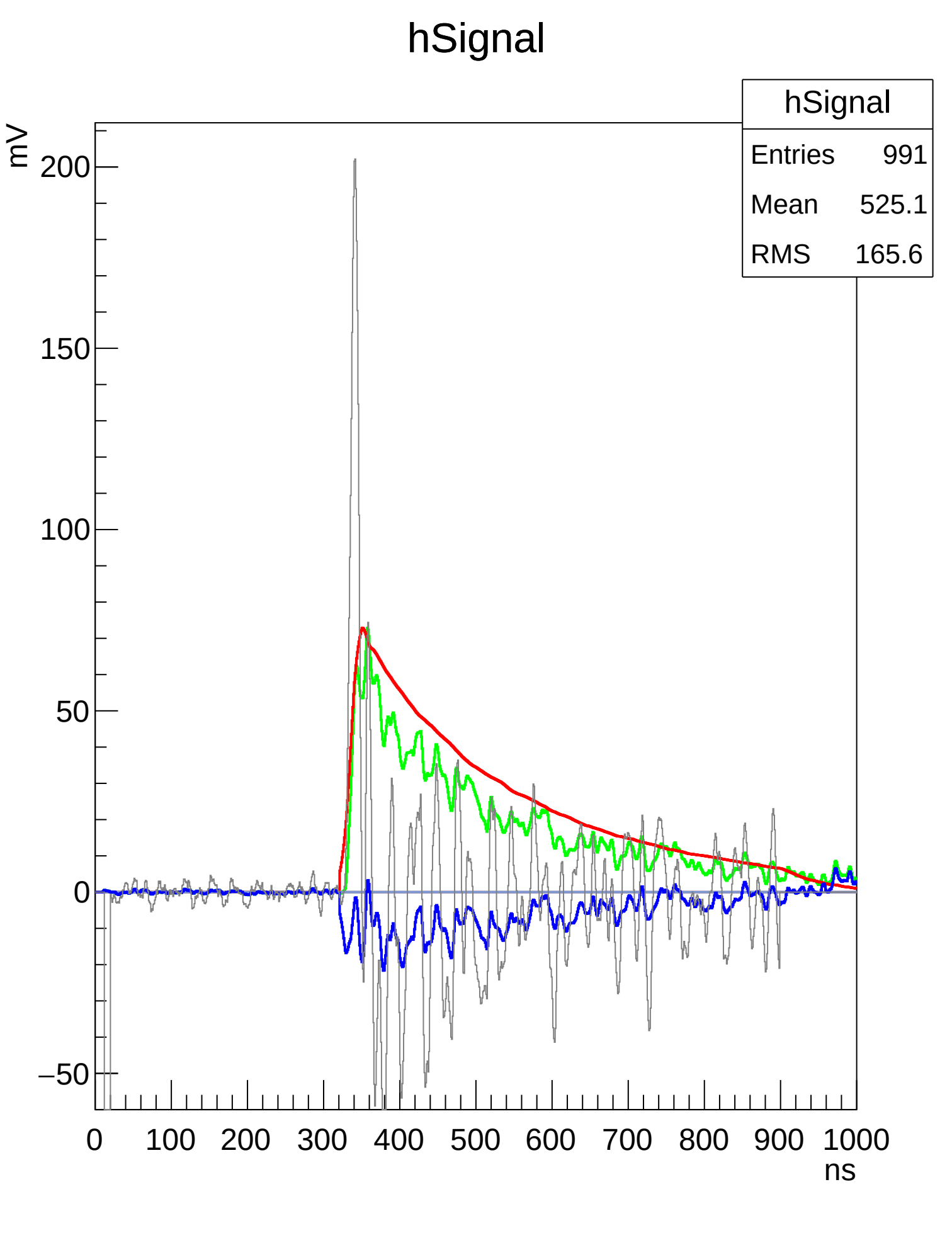
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.1
RMS 165.6
mV
200
150
100
50
0
−50
0
100
200
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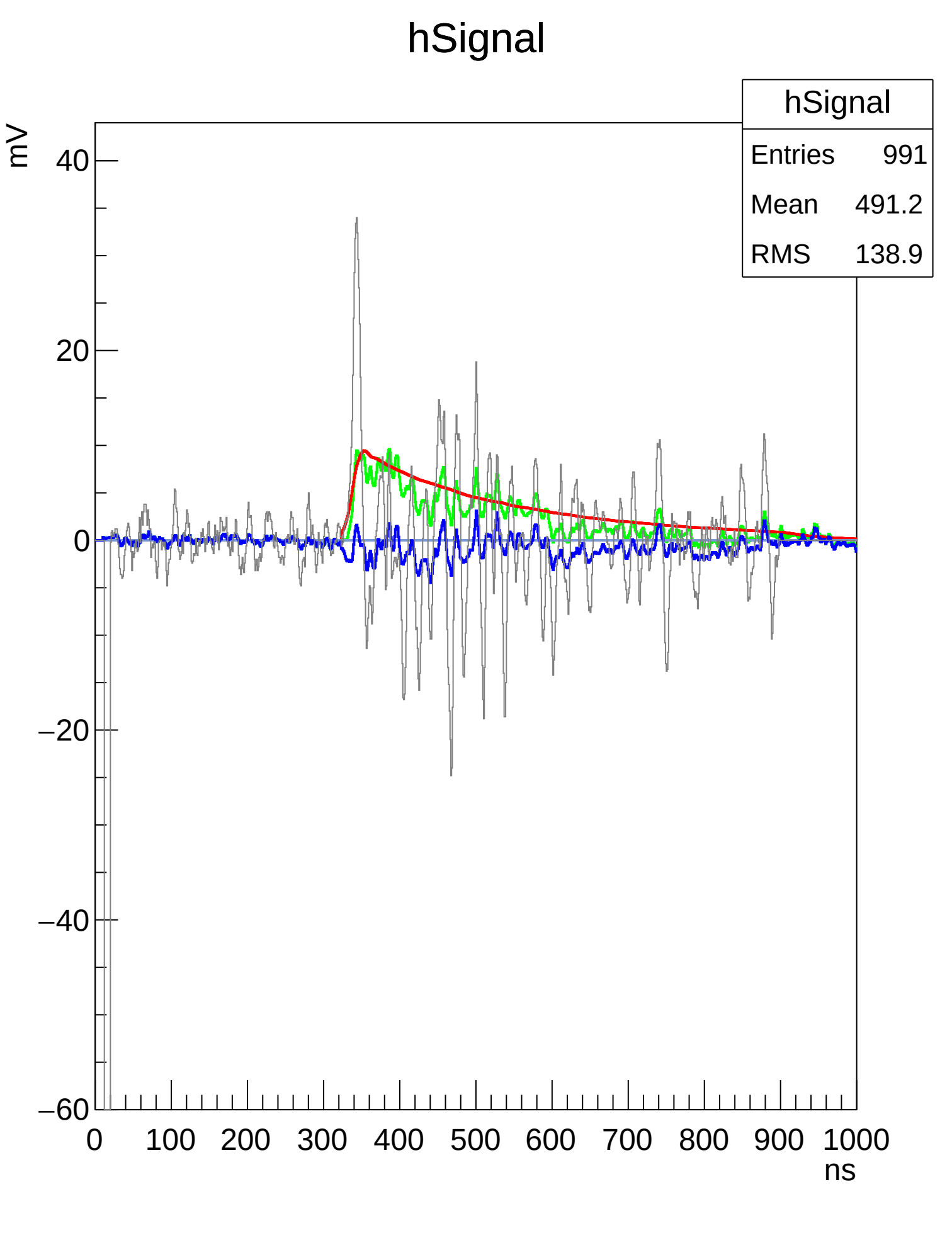
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.2
RMS 138.9
mV
40
20
0
−20
−40
−60
0
100
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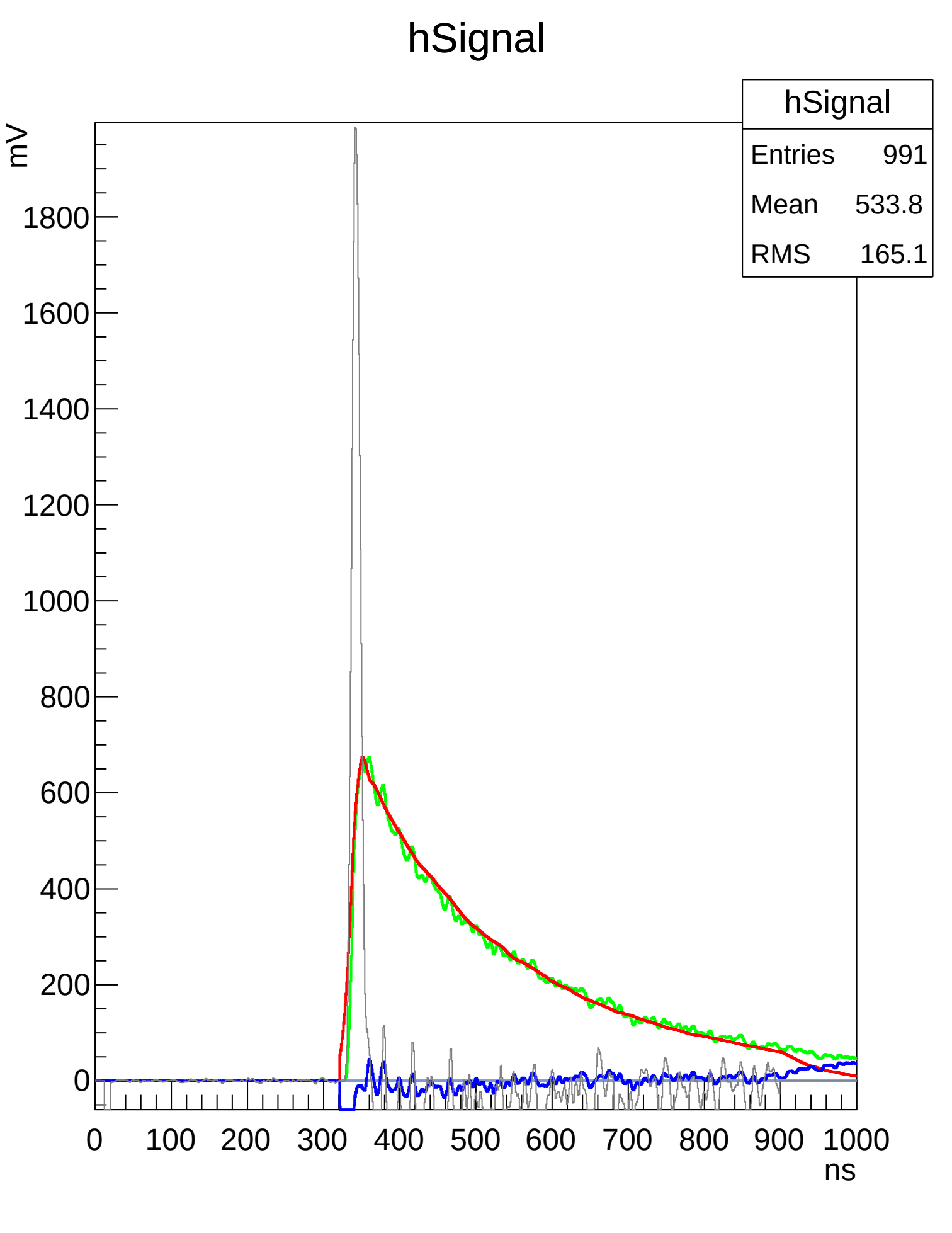
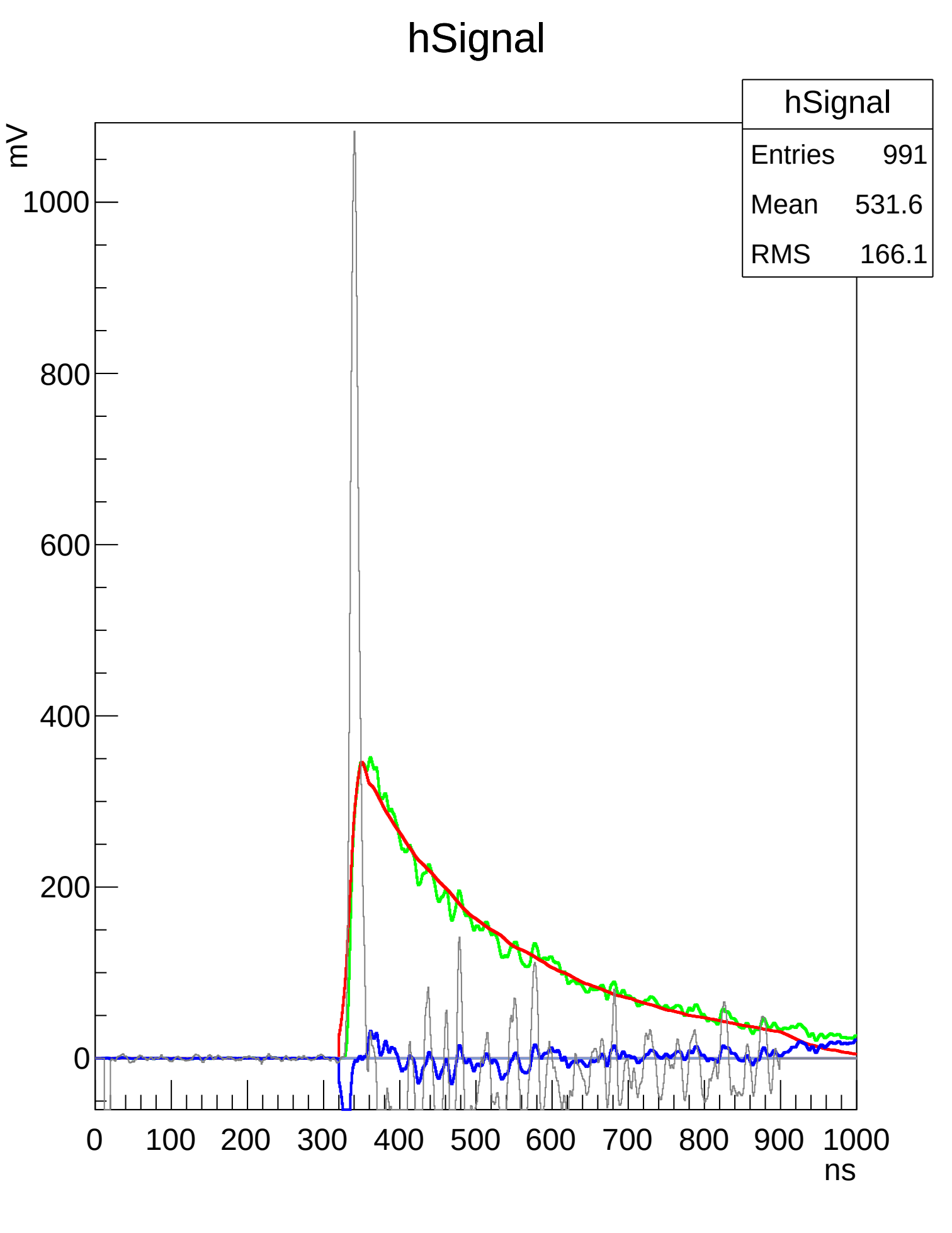
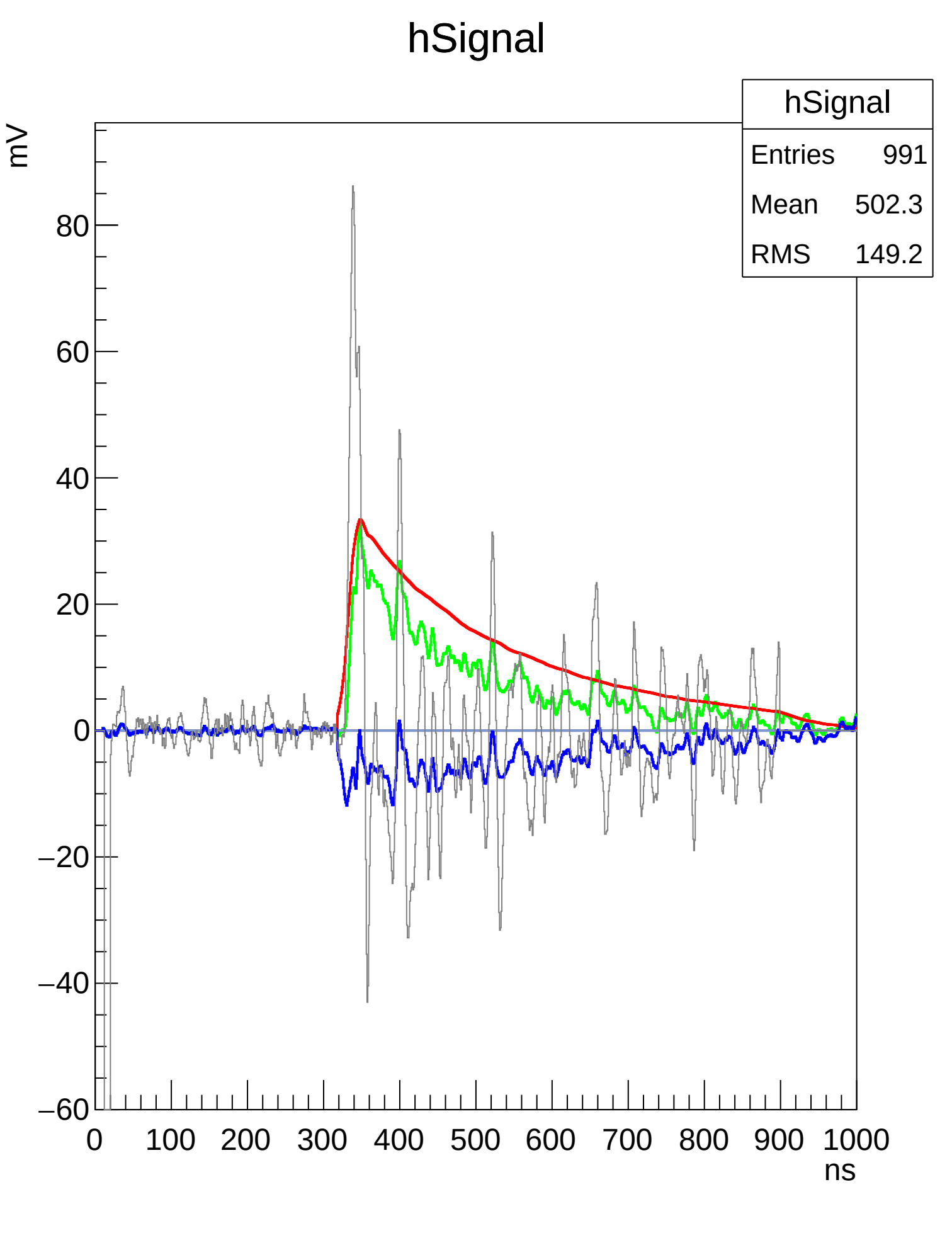
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.8
RMS 165.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.6
RMS 166.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.3
RMS 149.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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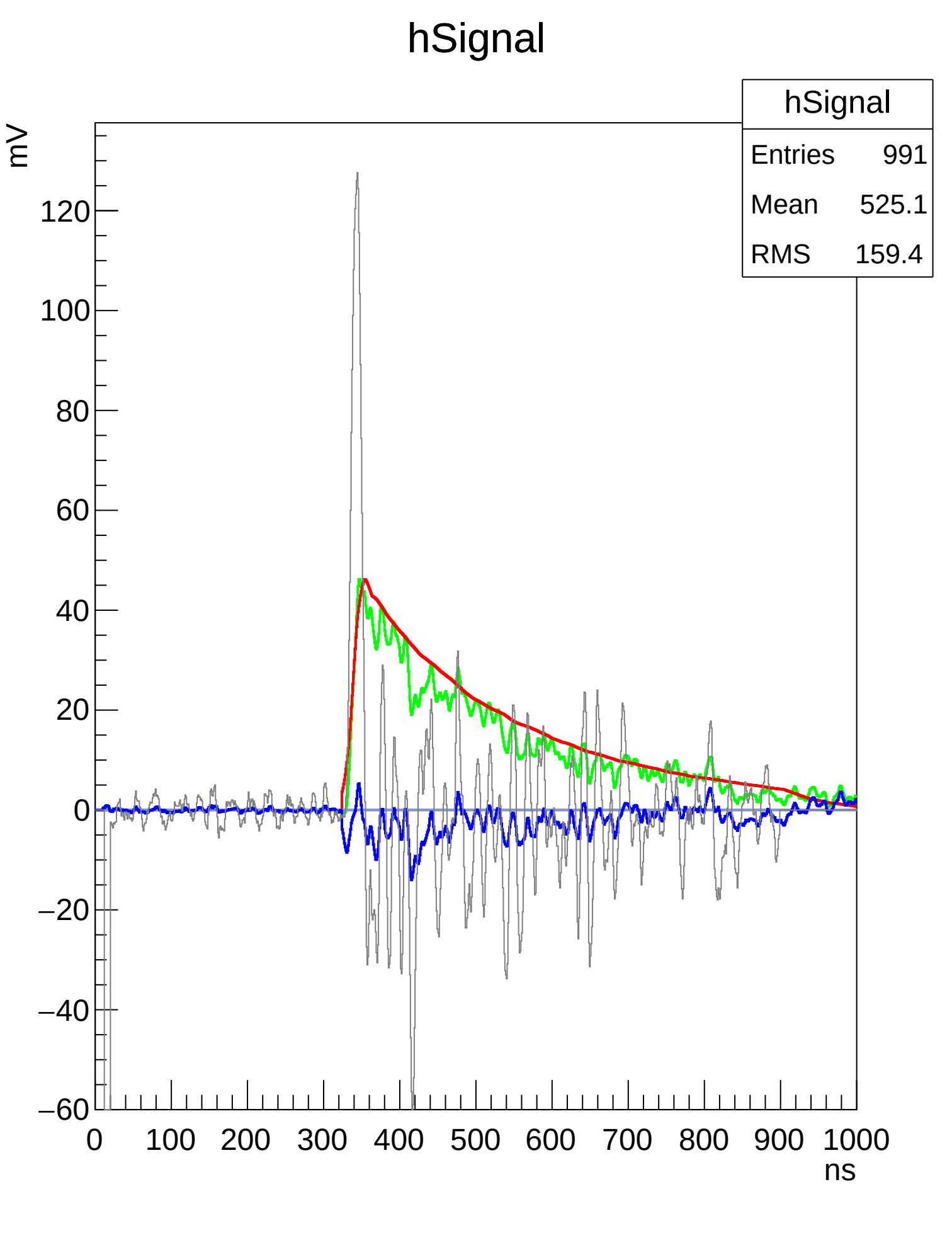
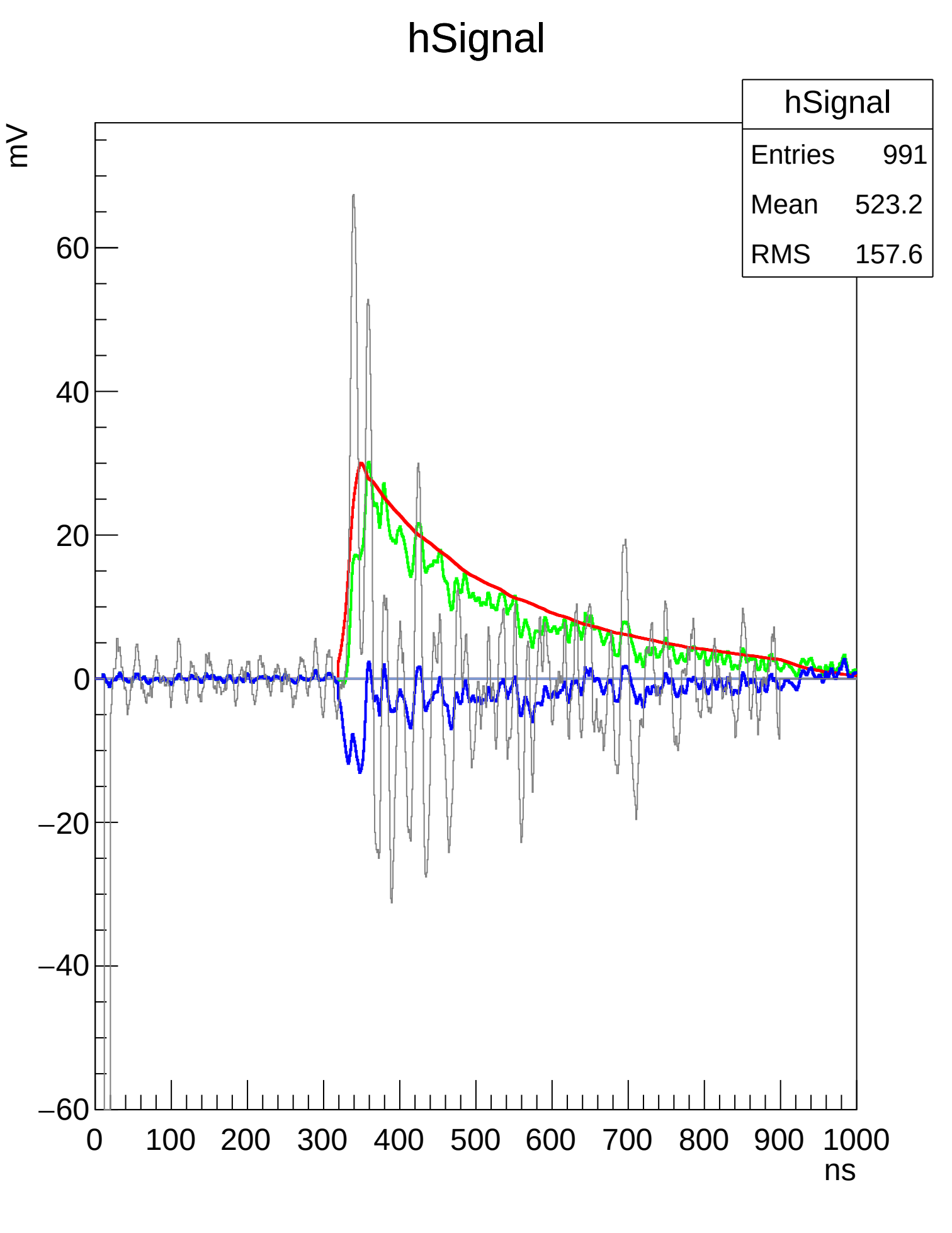
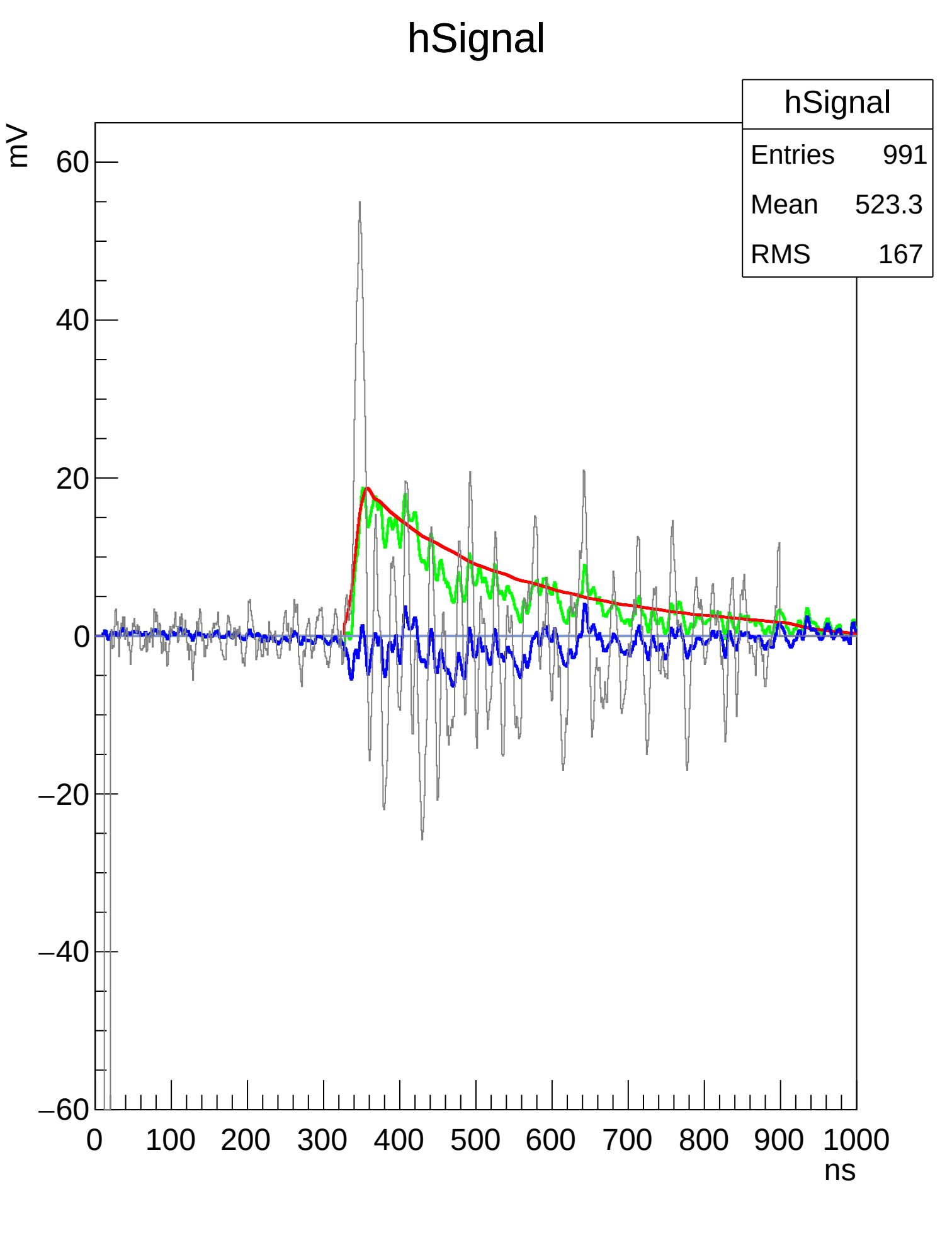
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.1
RMS 159.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.2
RMS 157.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.3
RMS 167
mV
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40
20
0
−20
−40
−60
0
100
200
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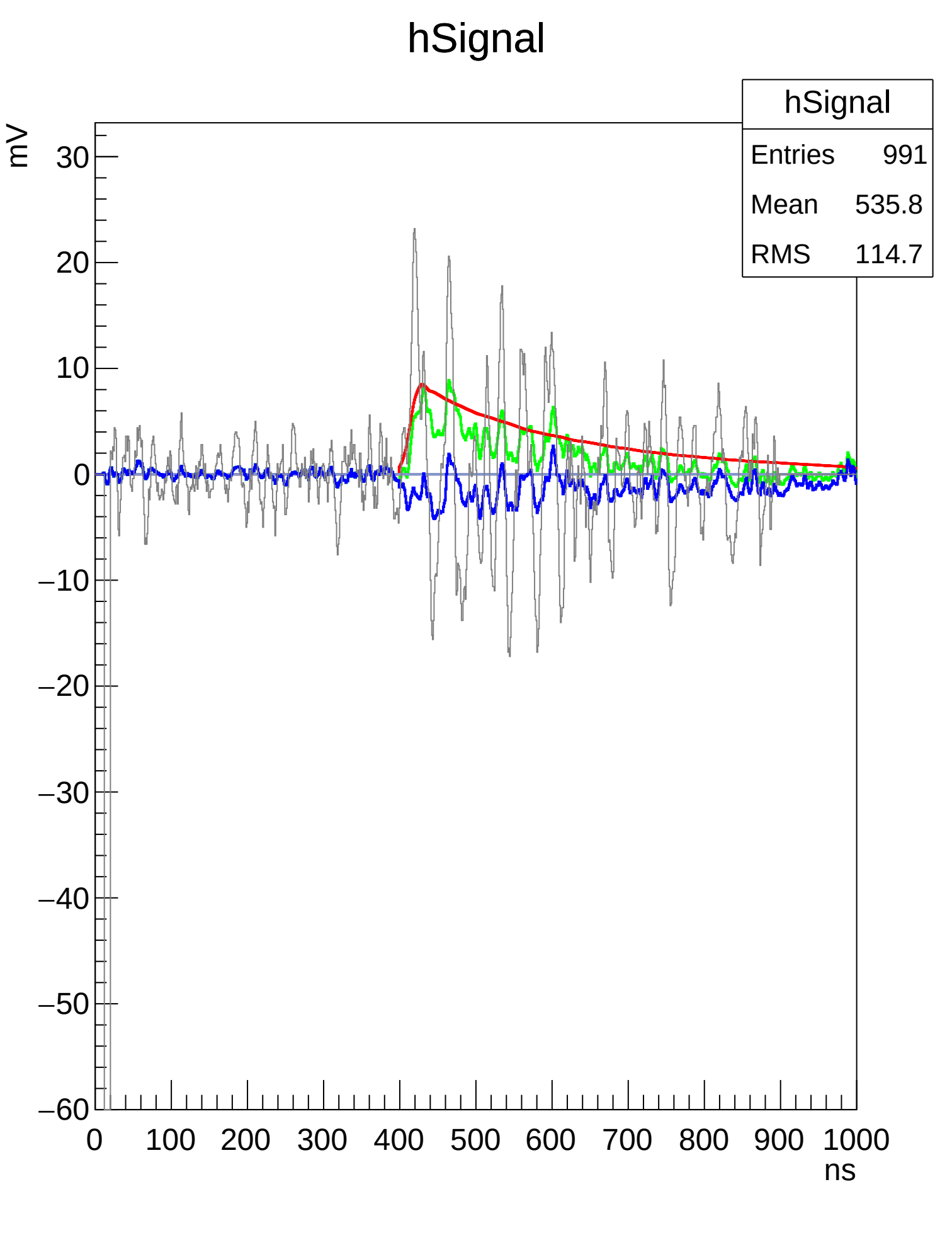
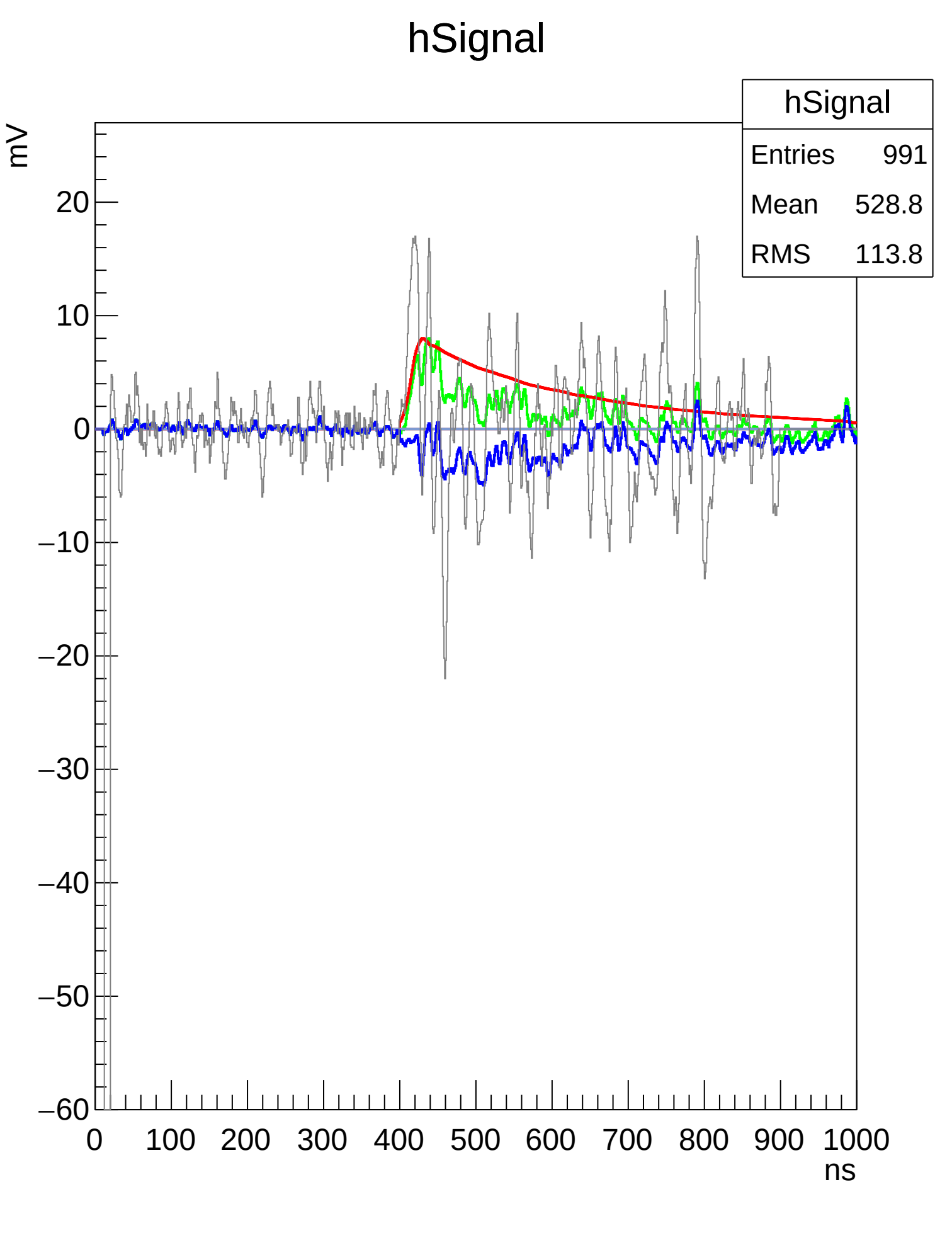
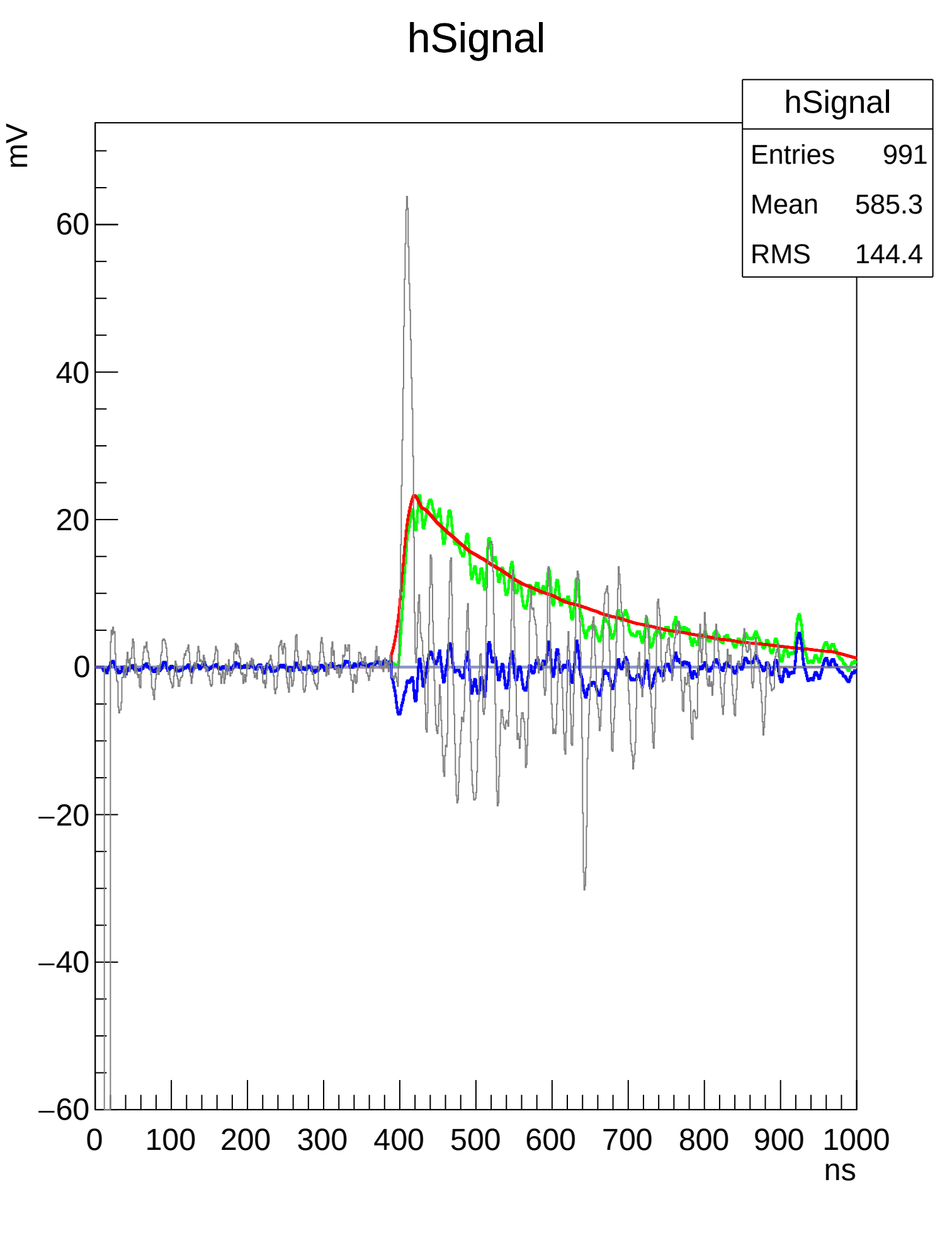
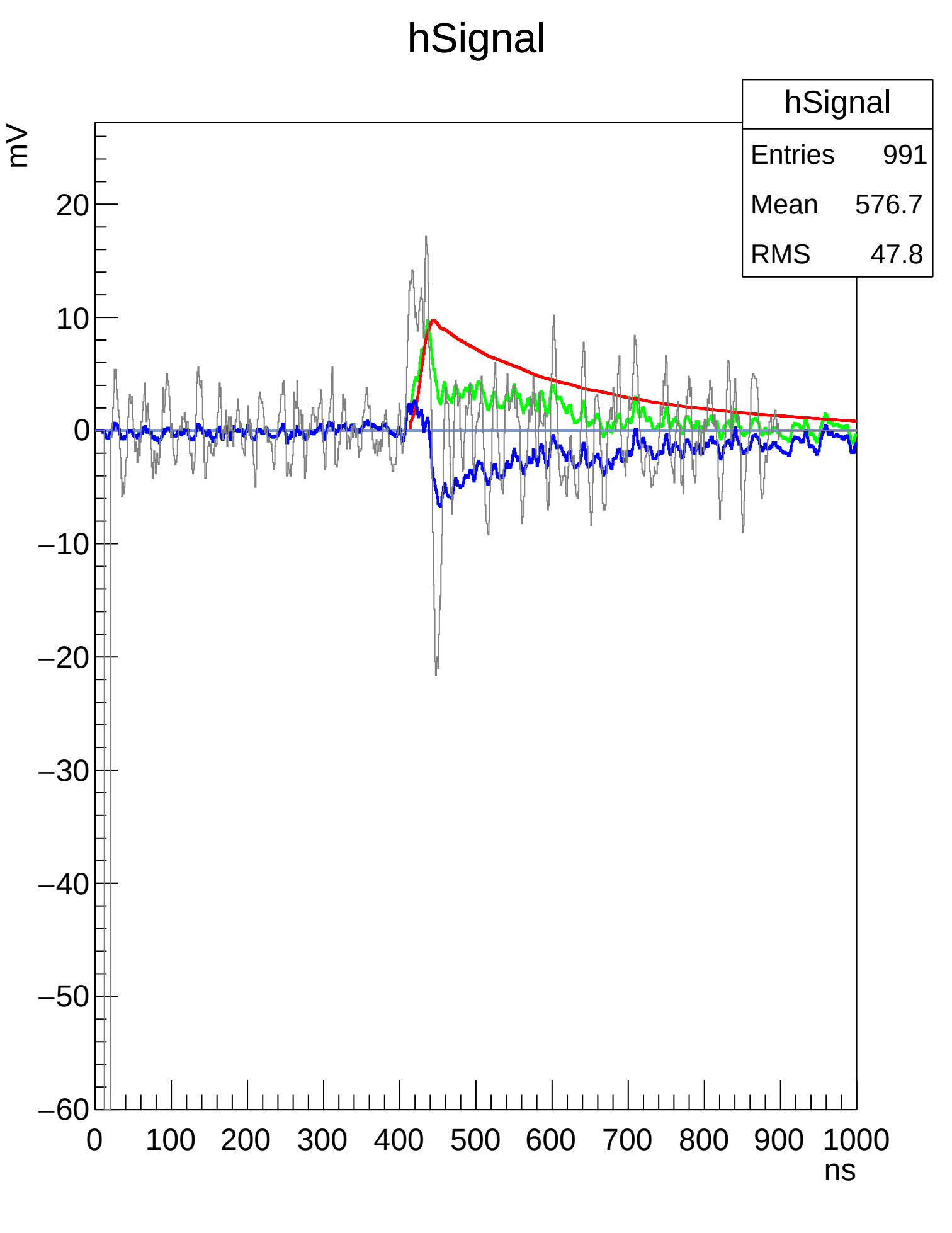
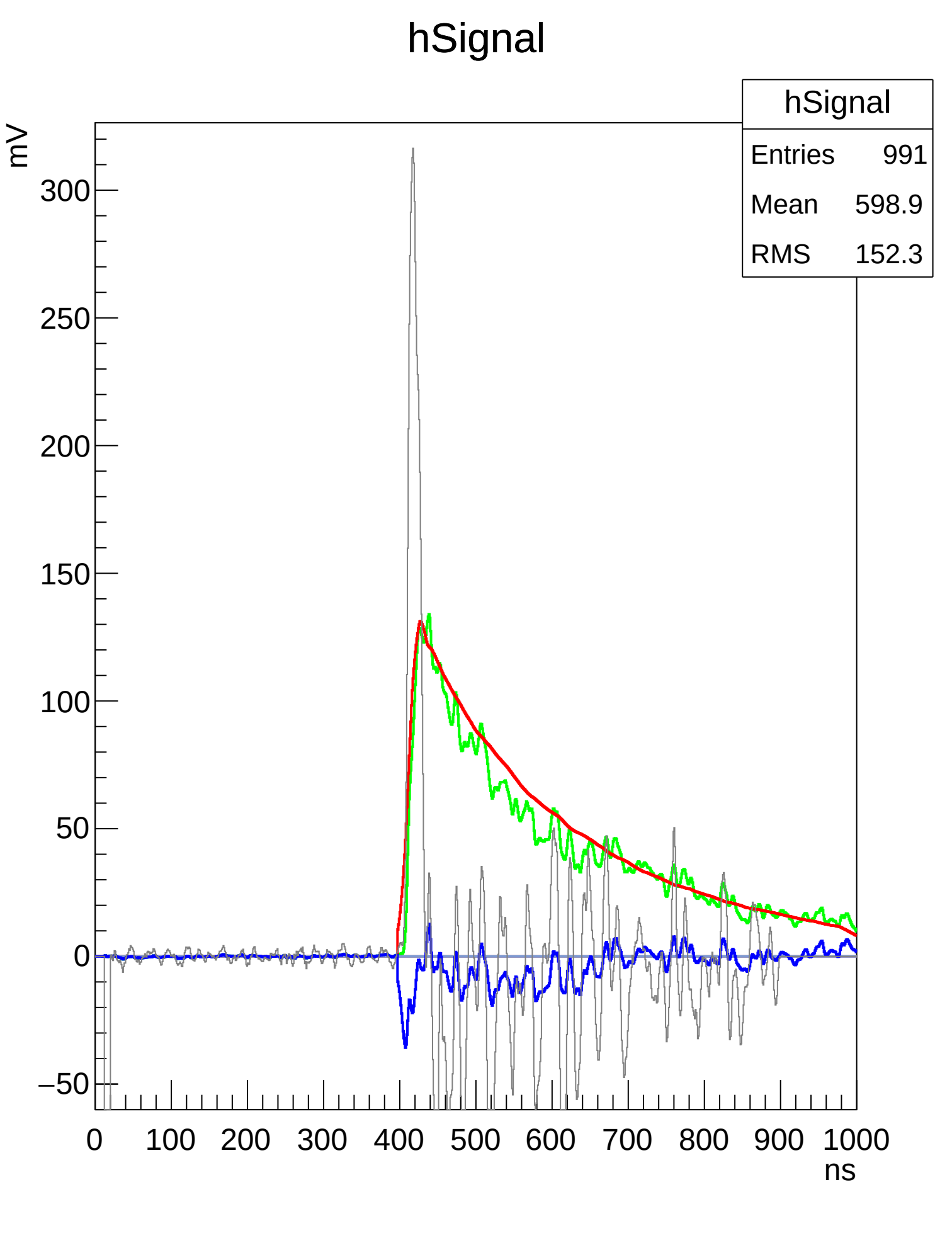
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.8
RMS 114.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.8
RMS 113.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 144.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.7
RMS 47.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.9
RMS 152.3
mV
300
250
200
150
100
50
0
−50
0
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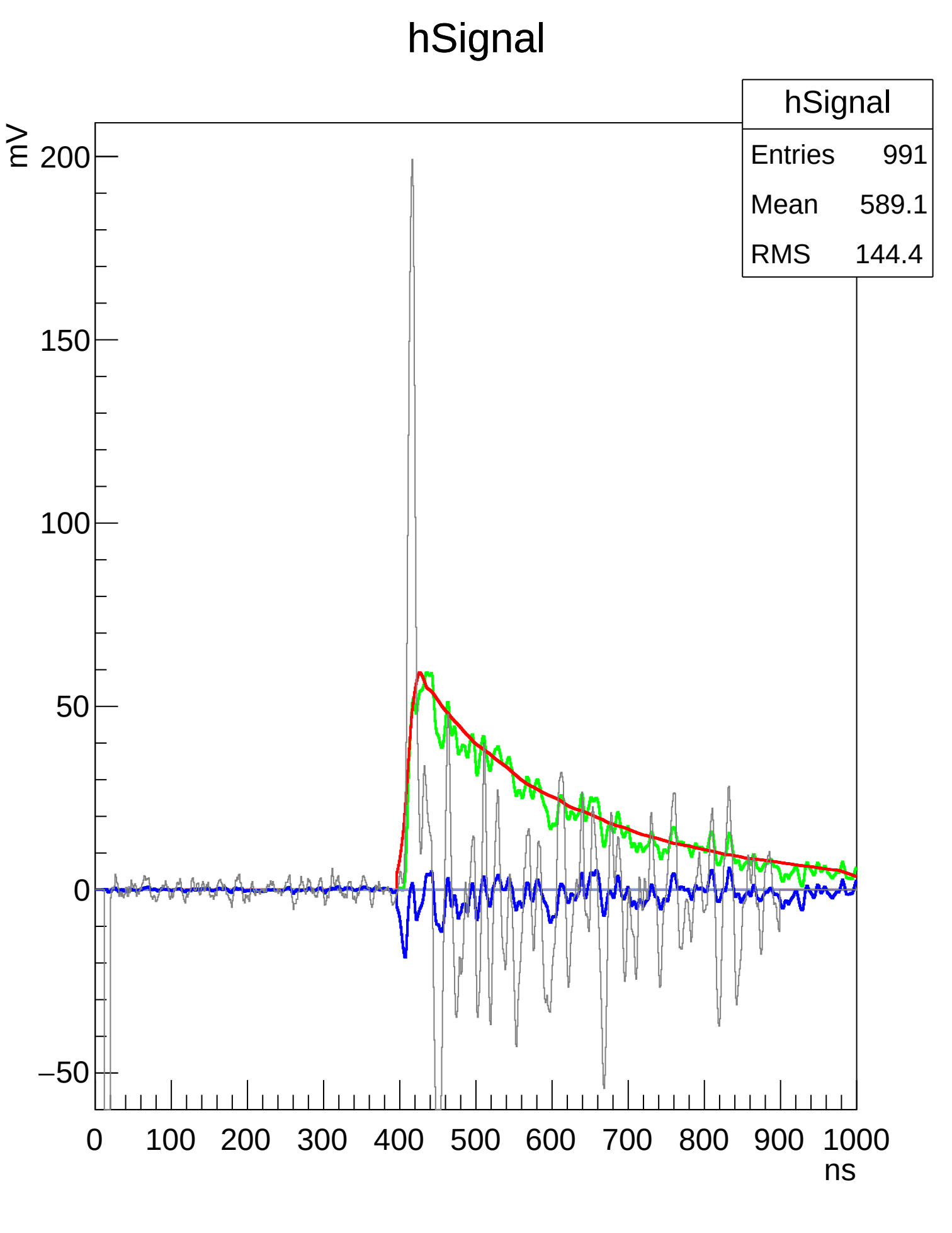
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.1
RMS 144.4
mV
200
150
100
50
0
−50
0
100
200
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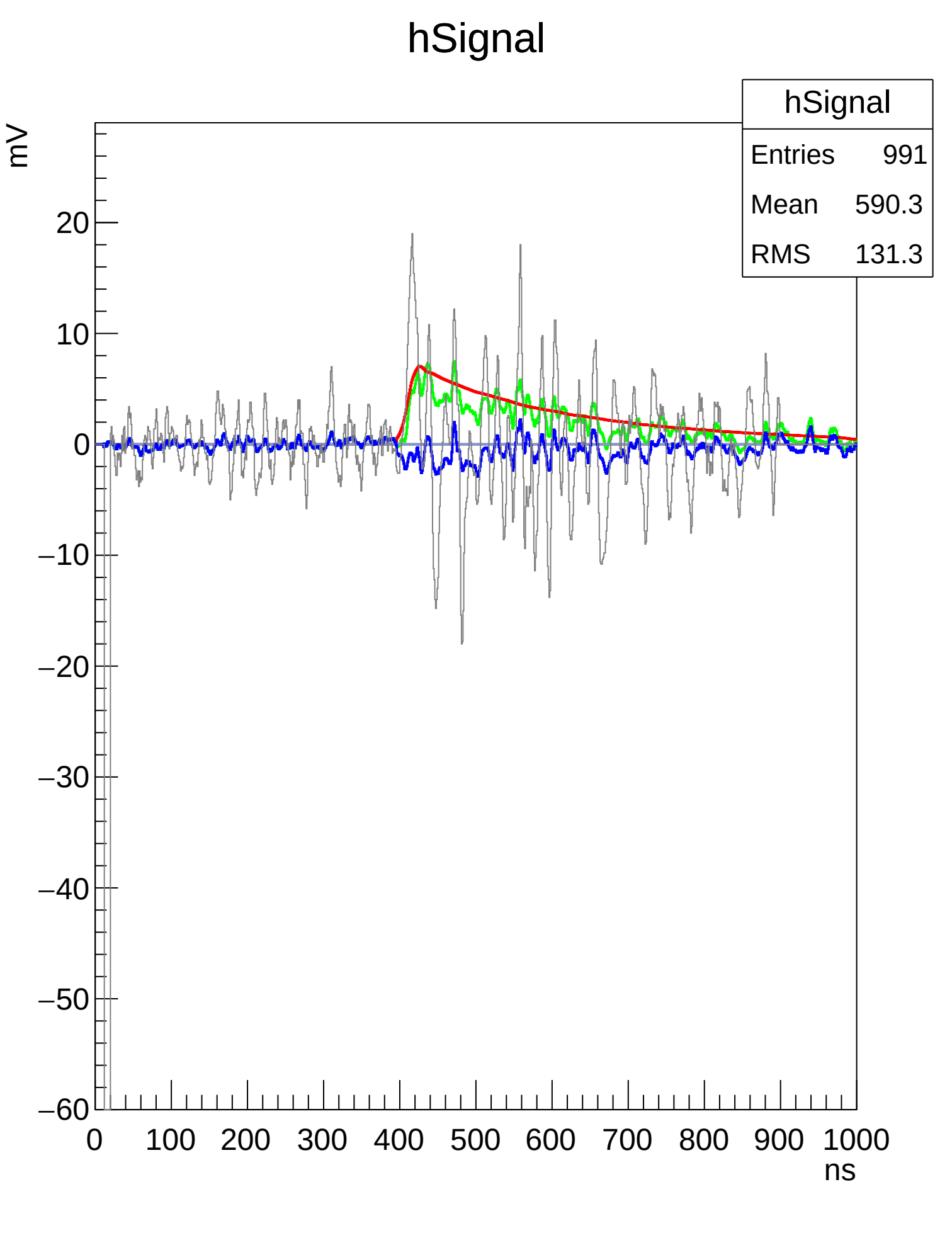
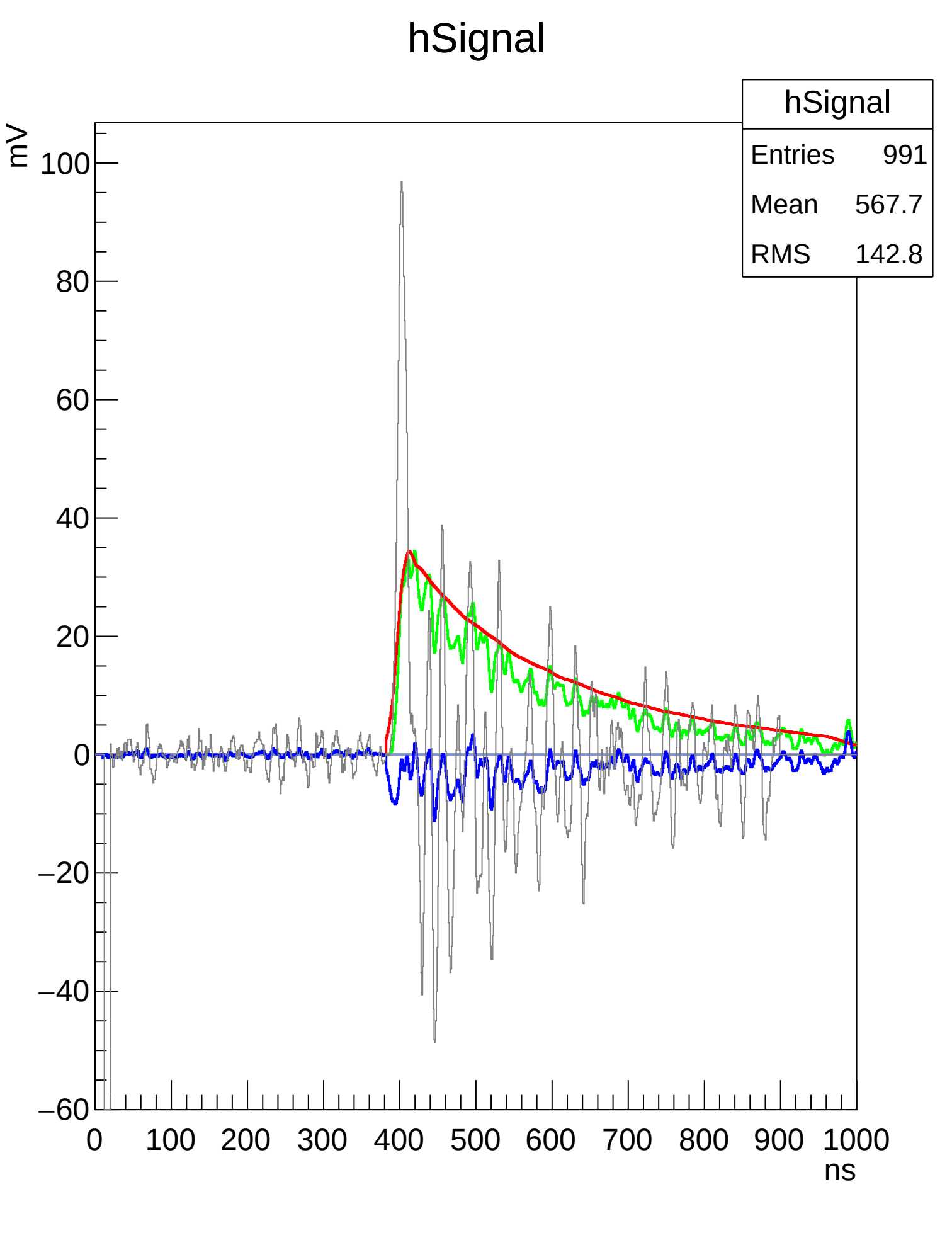
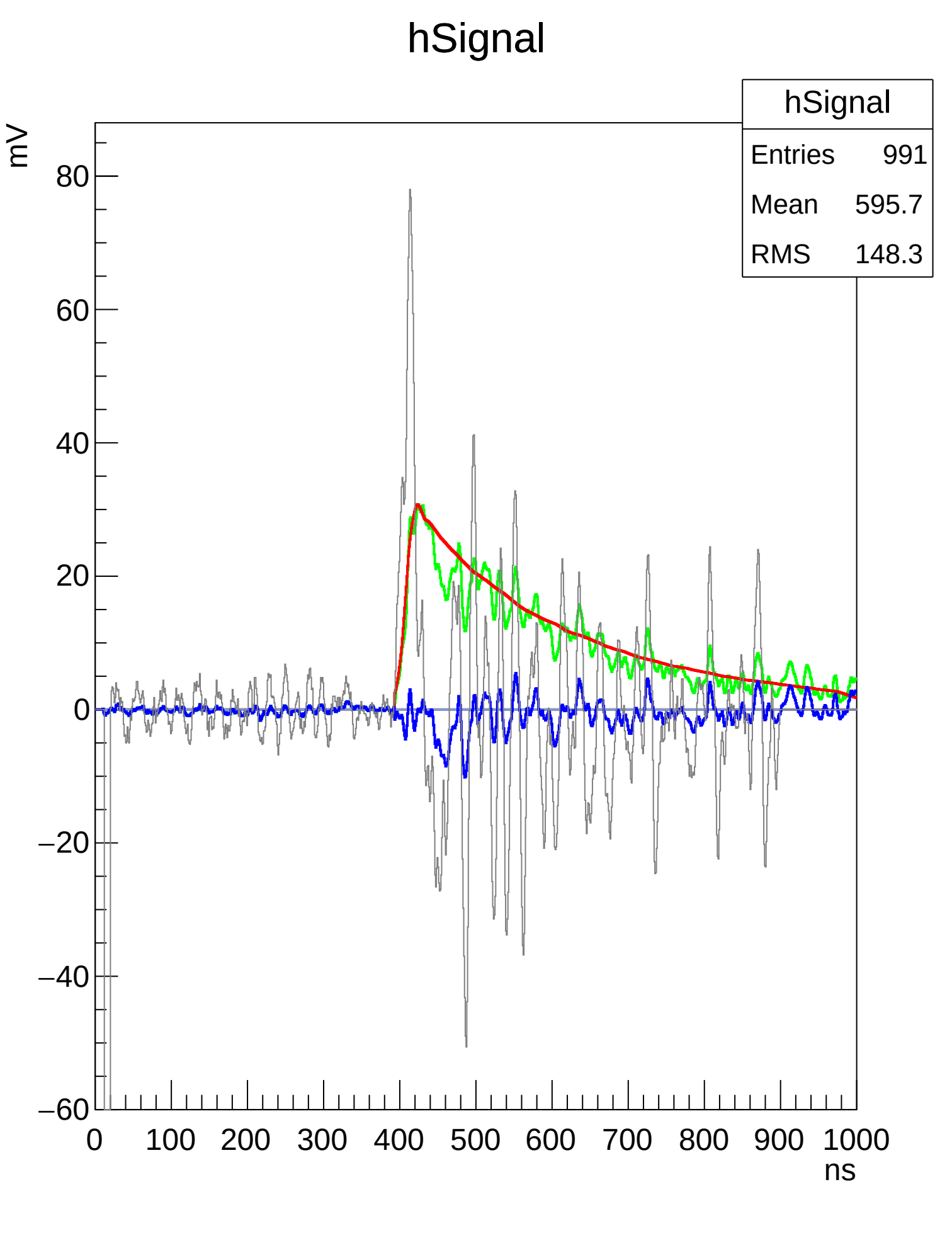
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.3
RMS 131.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.7
RMS 142.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.7
RMS 148.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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1000
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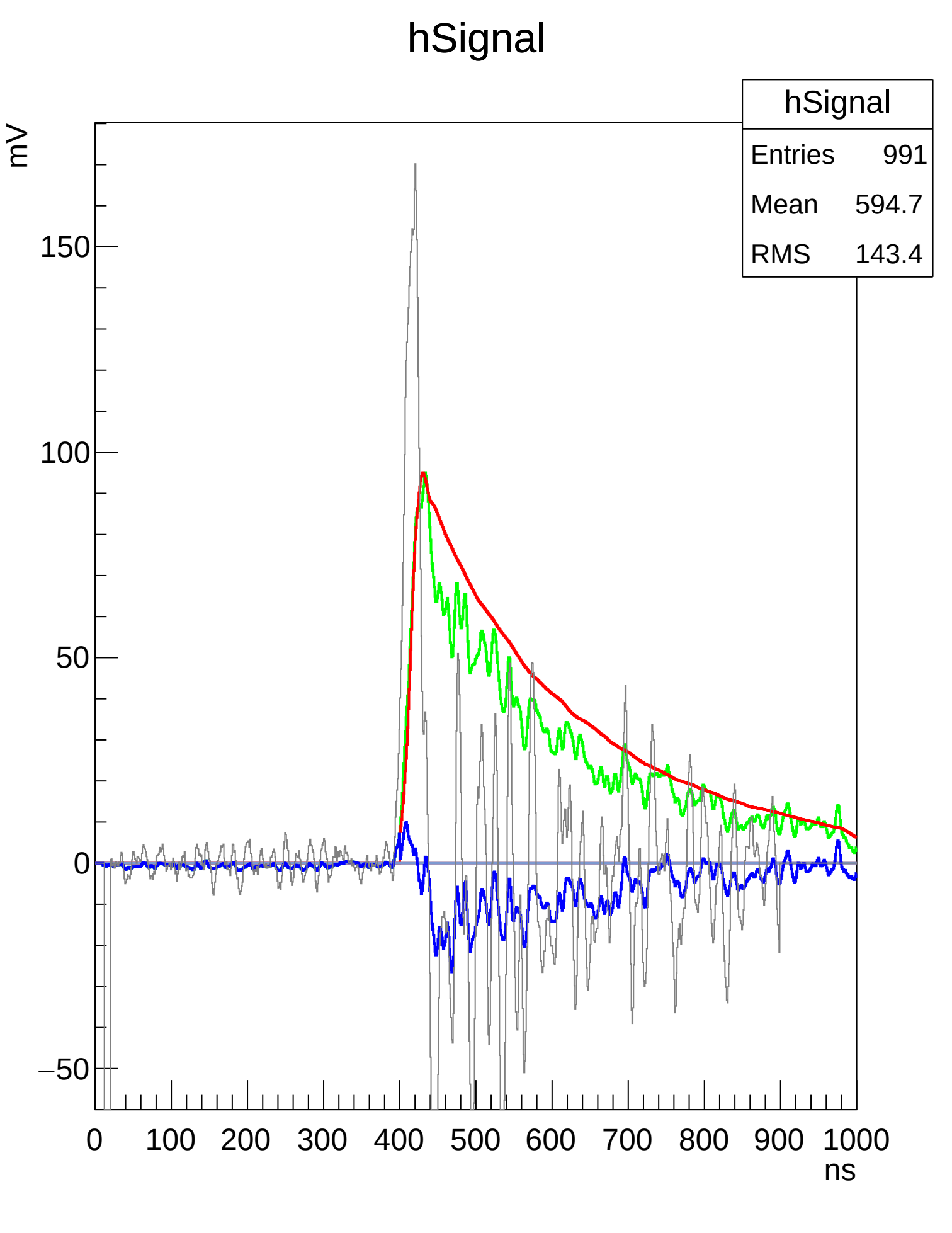
hSignal
hSignal
Entries 991
Mean 594.7
RMS 143.4
mV
150
100
50
0
−50
0
100
200
300
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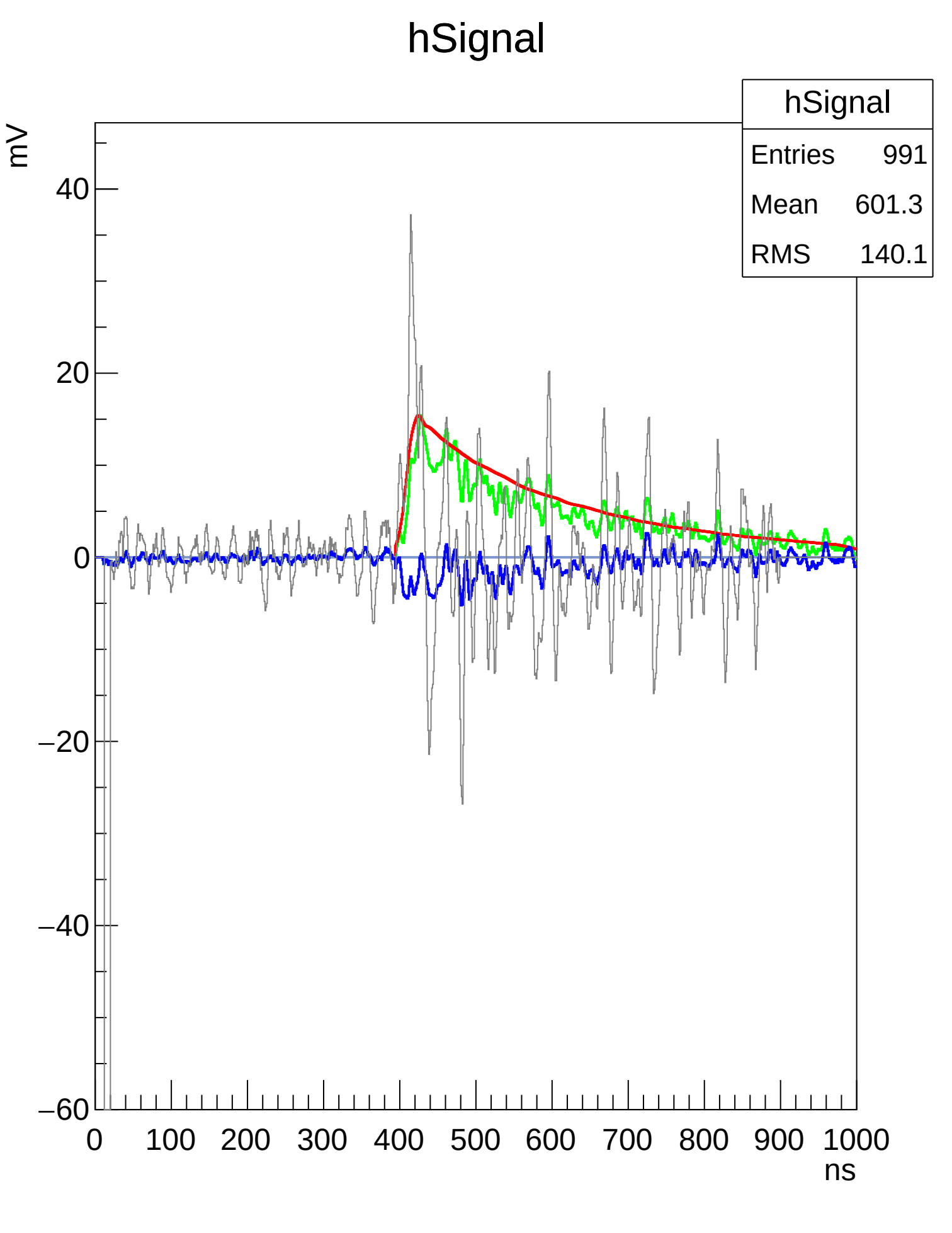
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.3
RMS 140.1
mV
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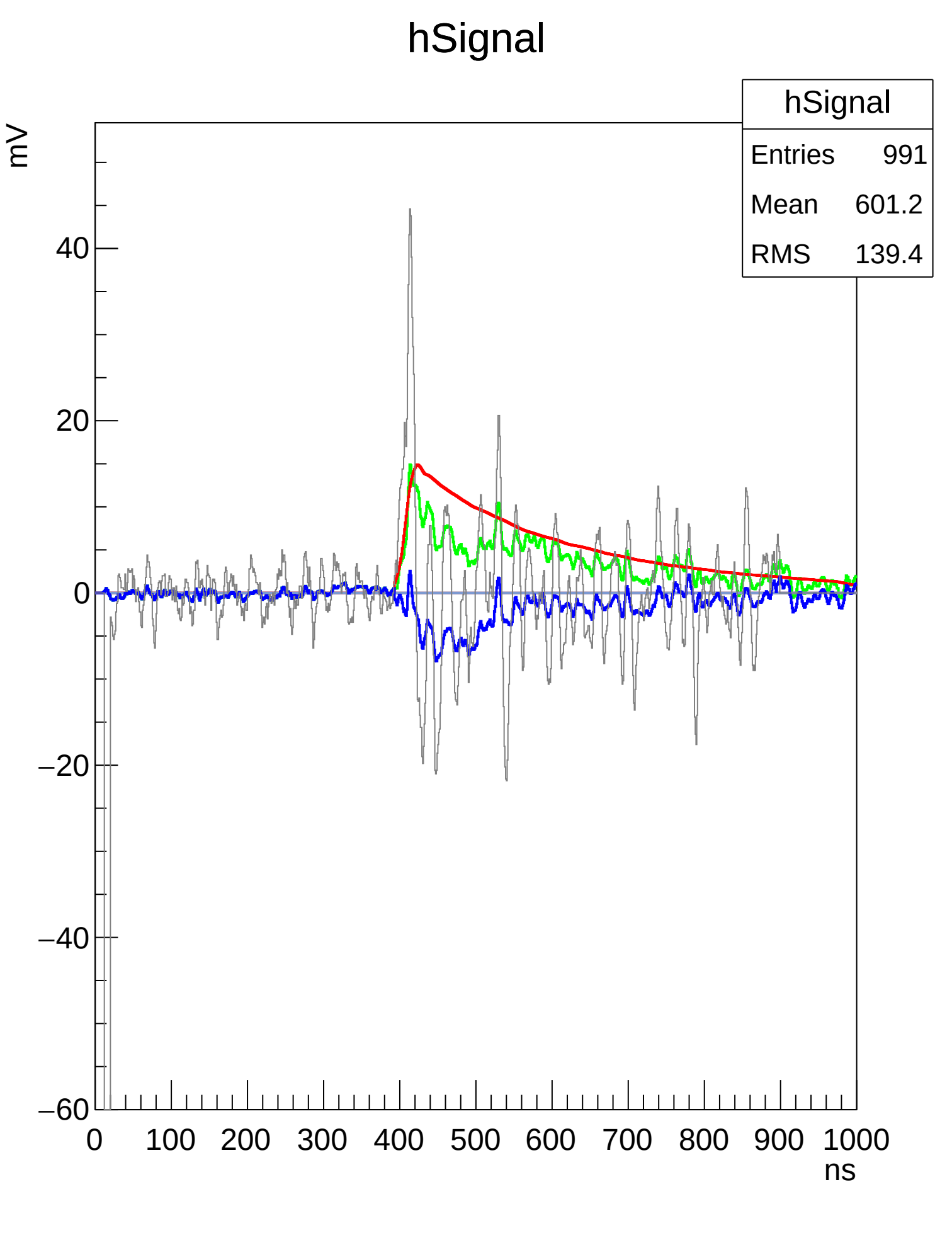
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 139.4
mV
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−20
−40
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0
100
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400
500
600
700
800
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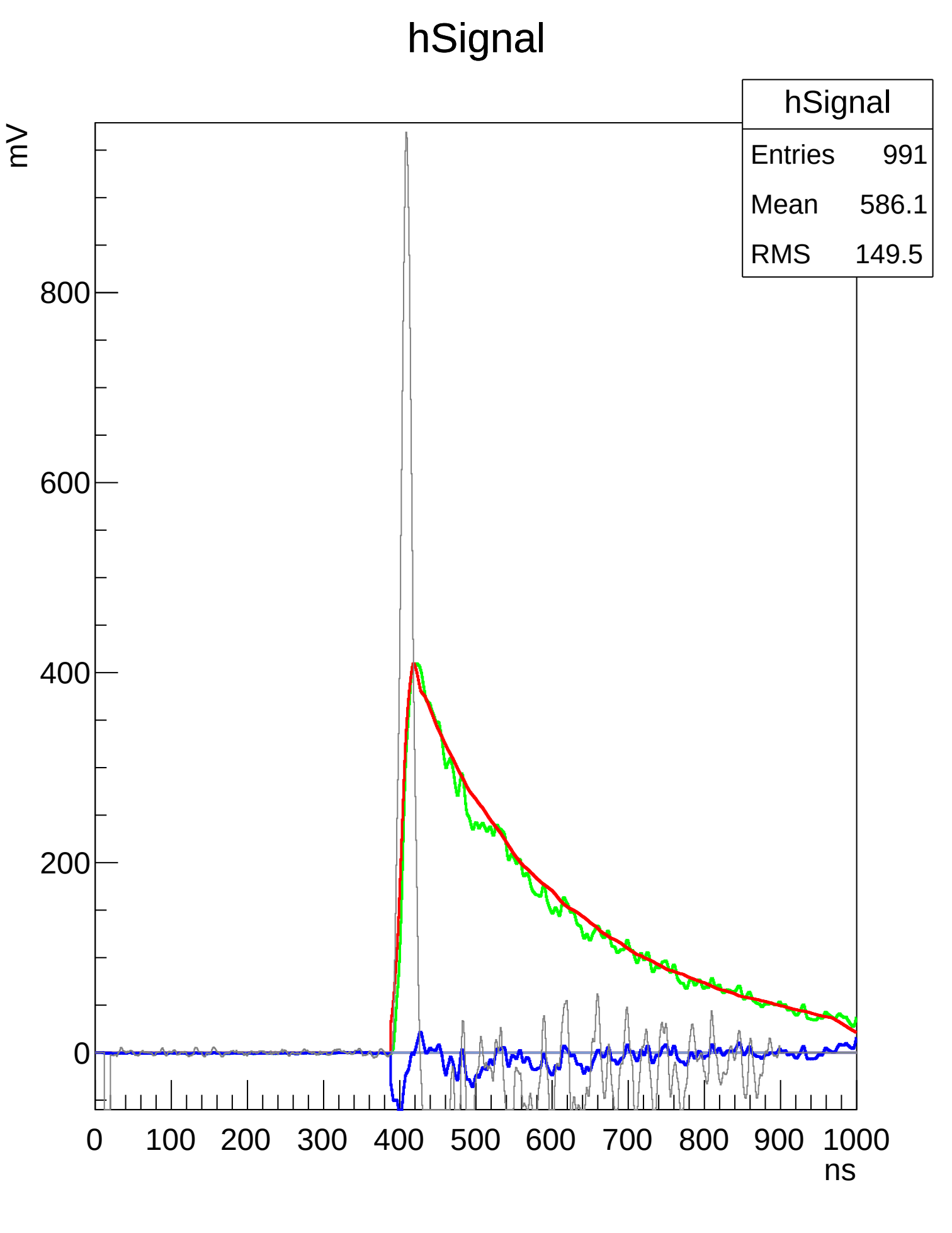
1000
ns


hSignal
hSignal
Entries 991
Mean 586.1
RMS 149.5
mV
800
600
400
200
0
0
100
200
300
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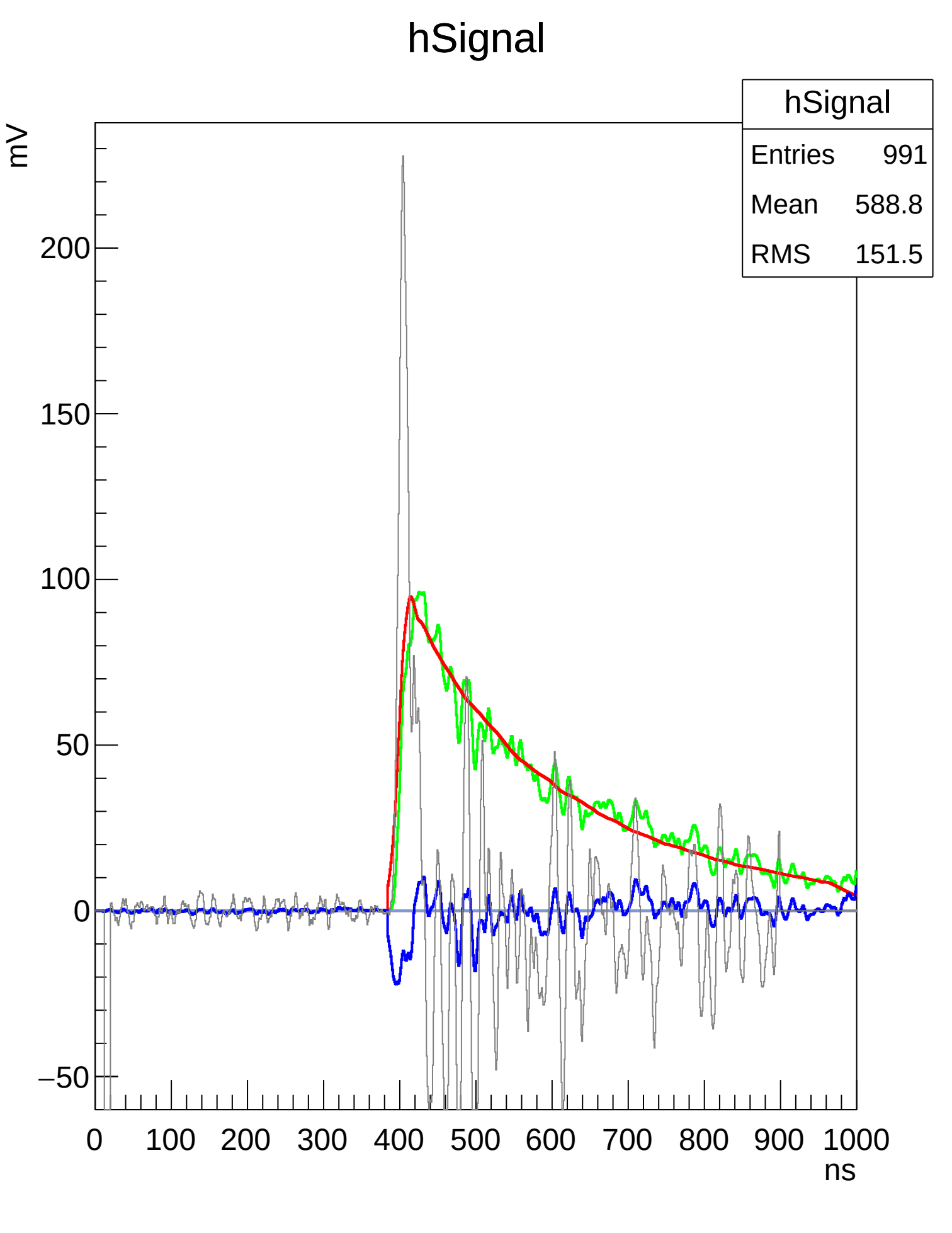
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.8
RMS 151.5
mV
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100
50
0
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0
100
200
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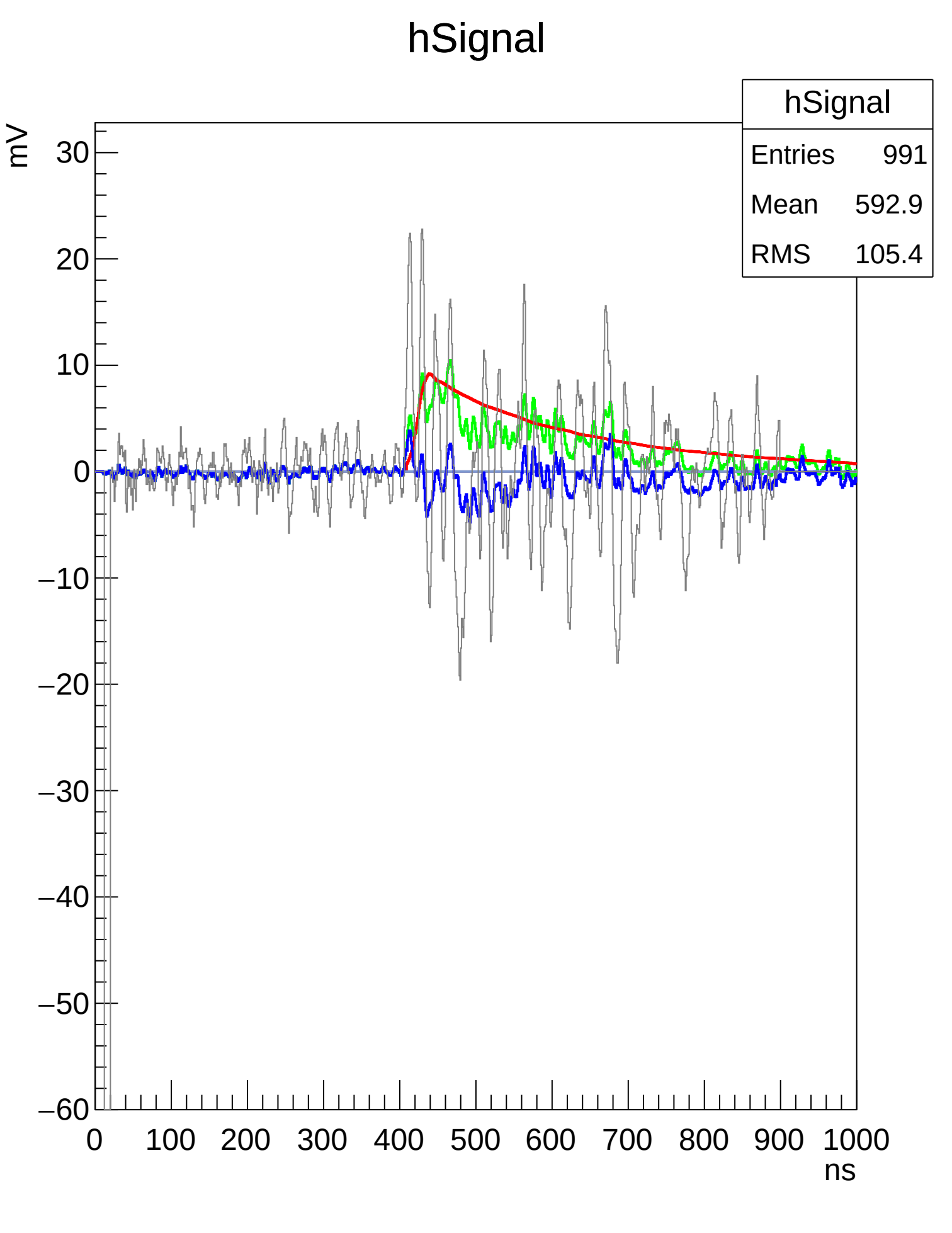
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.9
RMS 105.4
mV
30
20
10
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−40
−50
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0
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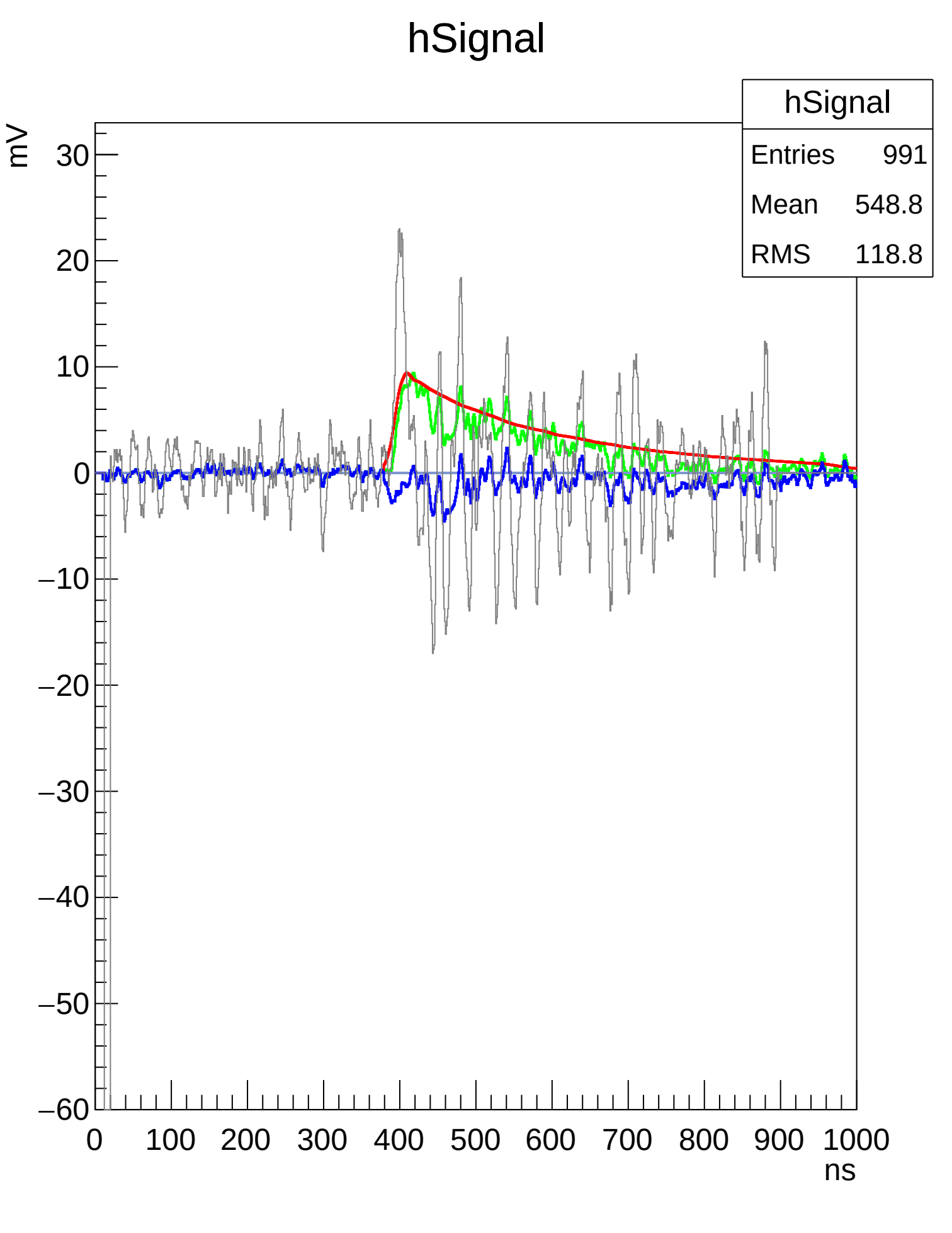
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.8
RMS 118.8
mV
30
20
10
0
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−40
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600
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800
900
1000
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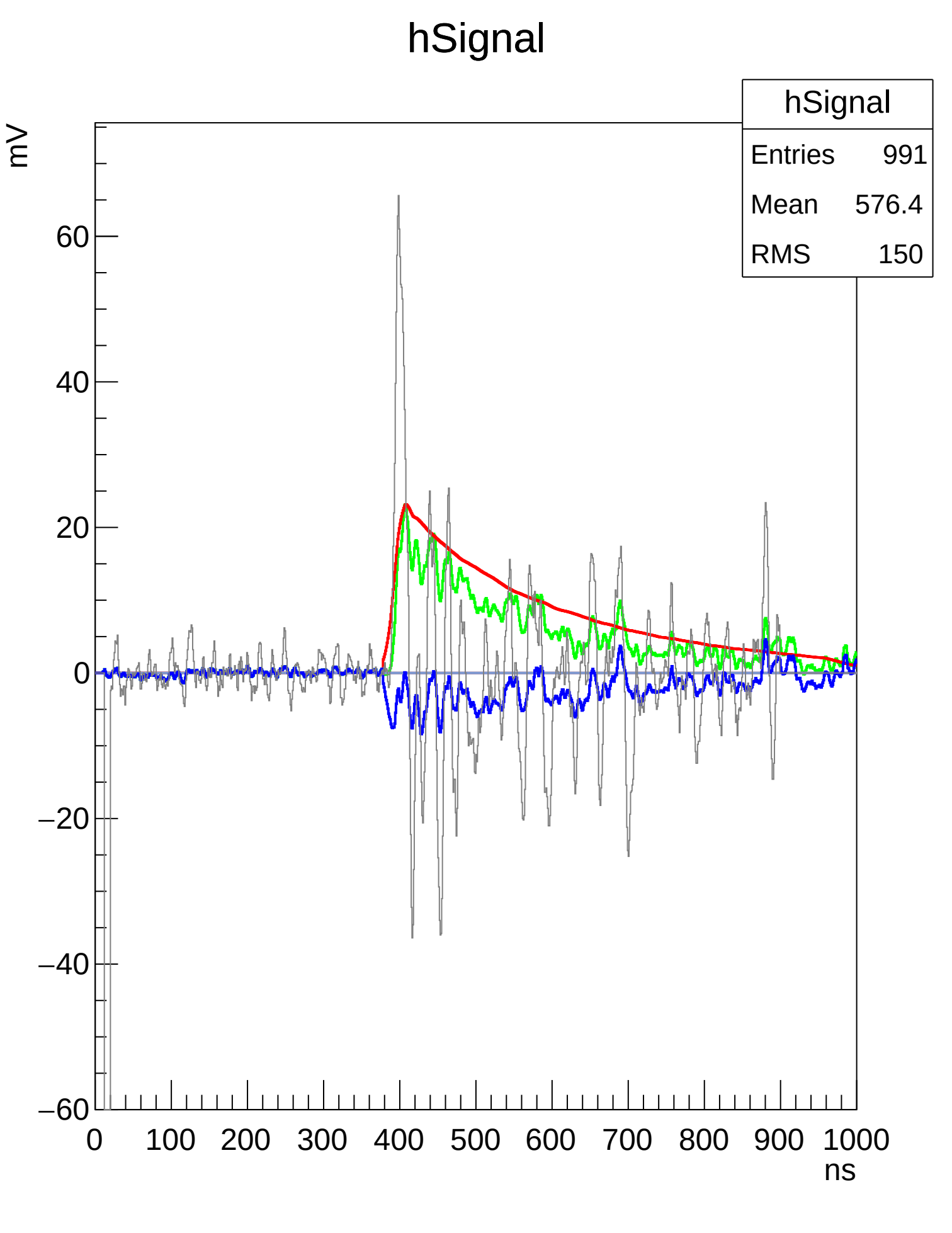
hSignal
hSignal
Entries 991
Mean 576.4
RMS 150
mV
60
40
20
0
−20
−40
−60
0
100
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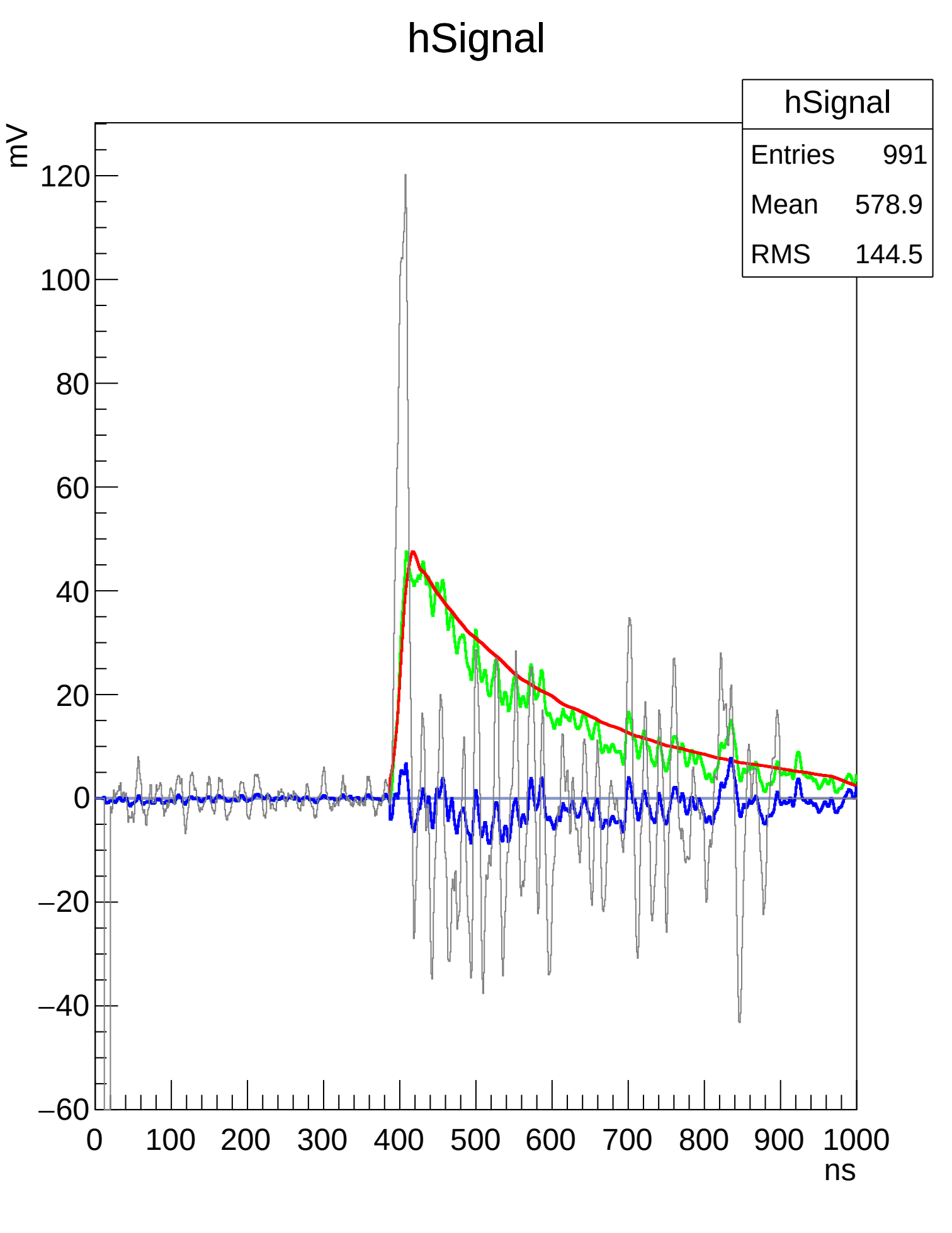
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 144.5
mV
120
100
80
60
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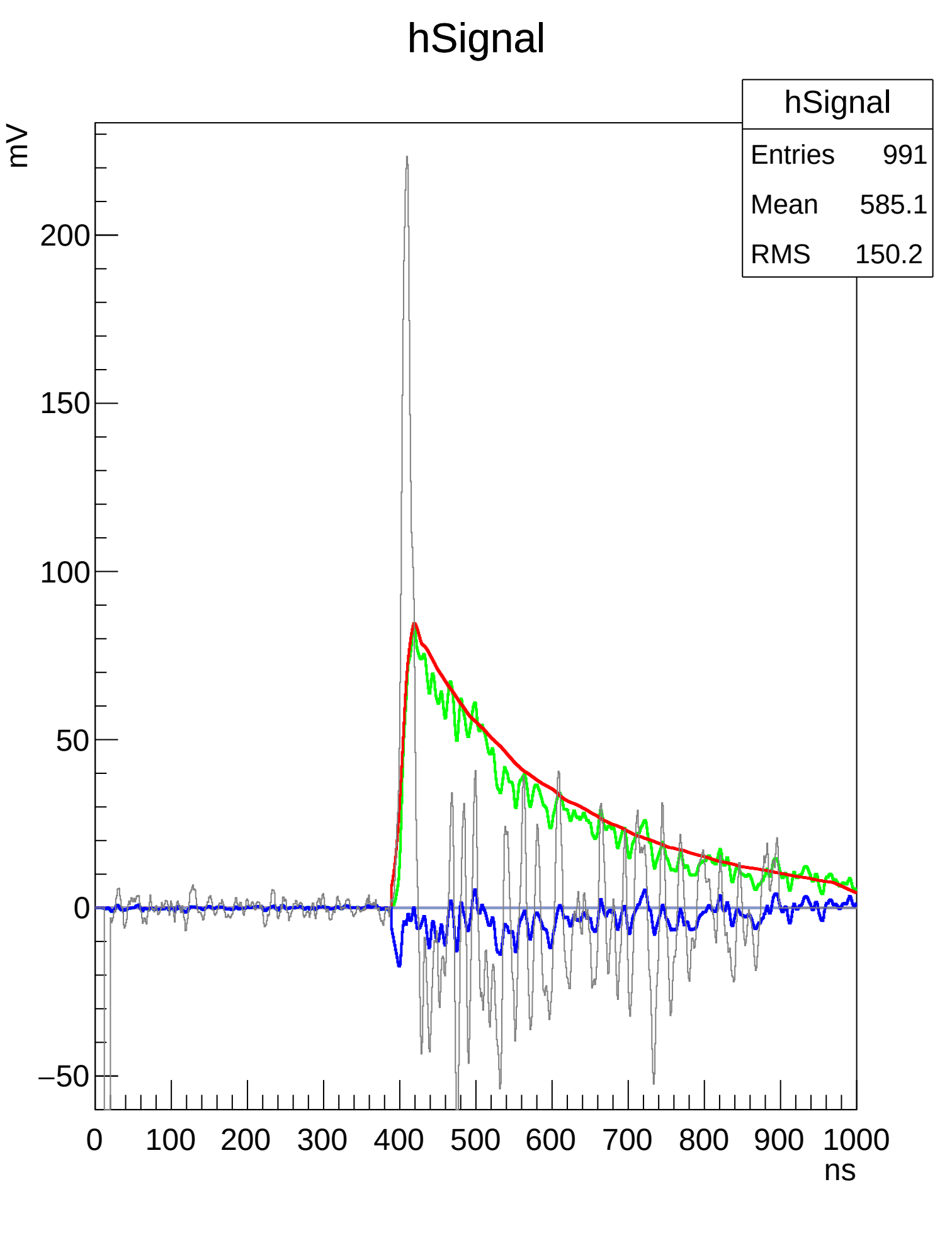
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.1
RMS 150.2
mV
200
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100
50
0
−50
0
100
200
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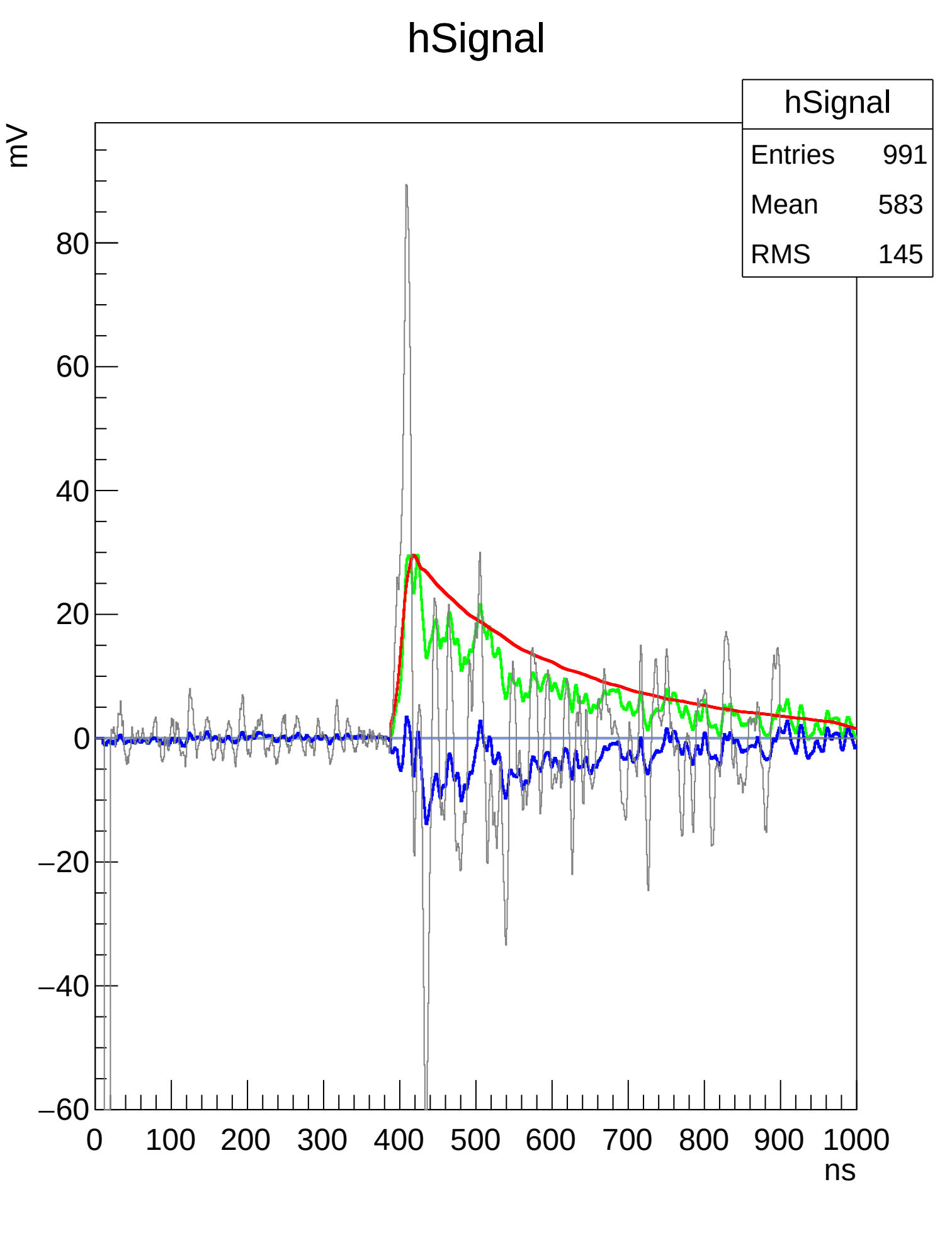
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583
RMS 145
mV
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−20
−40
−60
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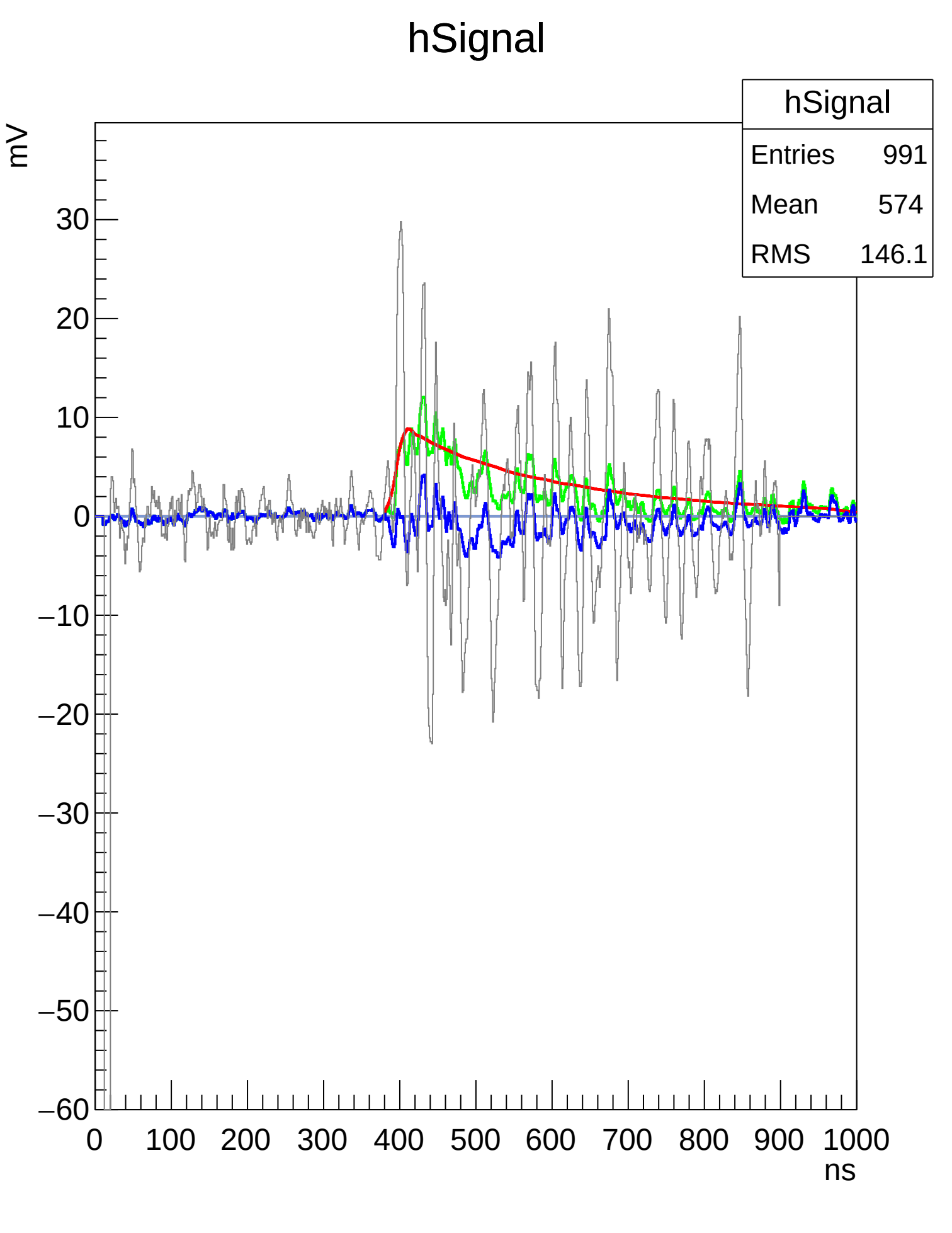
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574
RMS 146.1
mV
30
20
10
0
−10
−20
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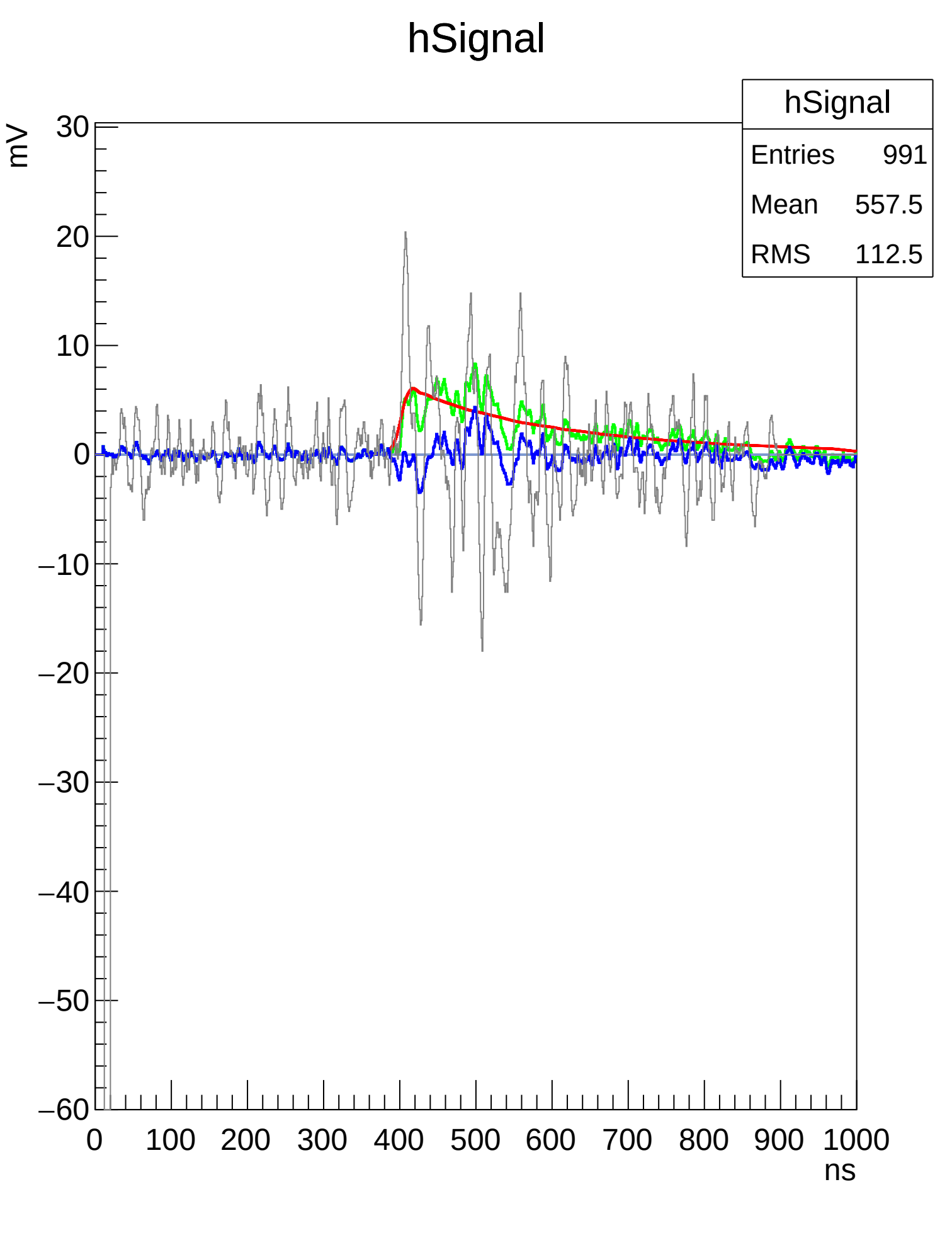
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.5
RMS 112.5
mV
30
20
10
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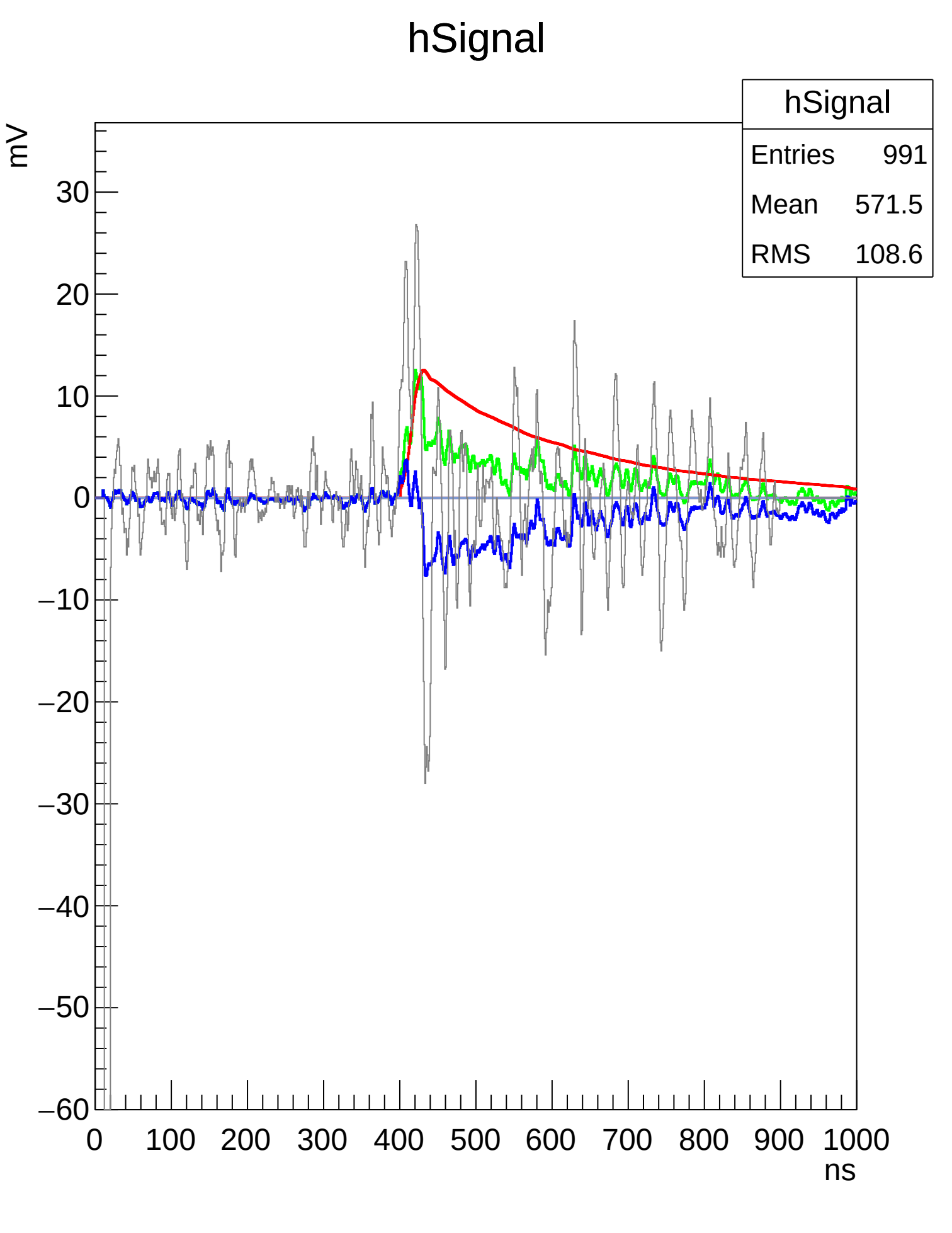
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 108.6
mV
30
20
10
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−40
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0
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200
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800
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1000
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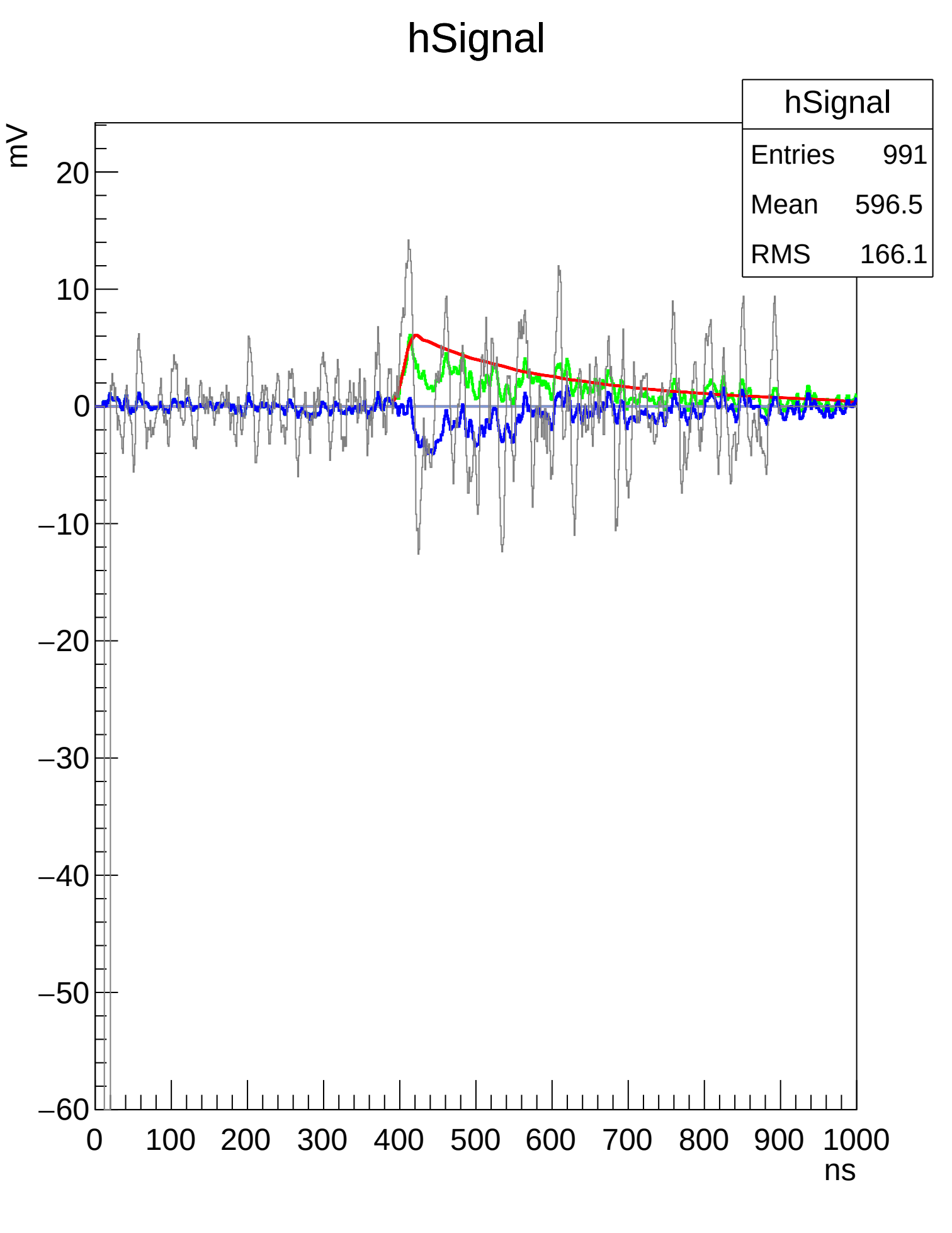
hSignal
hSignal
Entries 991
Mean 596.5
RMS 166.1
mV
20
10
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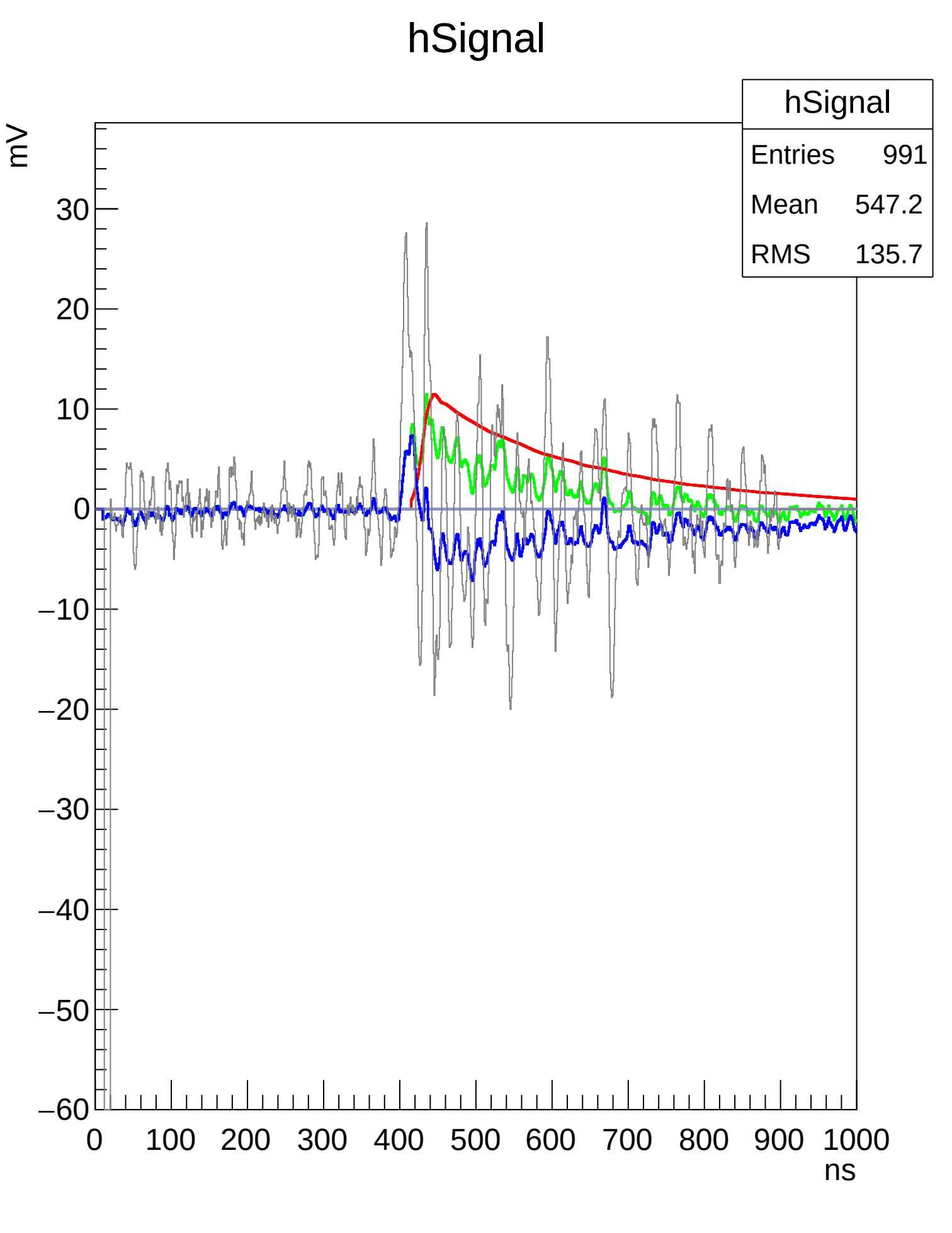
hSignal
hSignal
Entries 991
Mean 547.2
RMS 135.7
mV
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20
10
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1000
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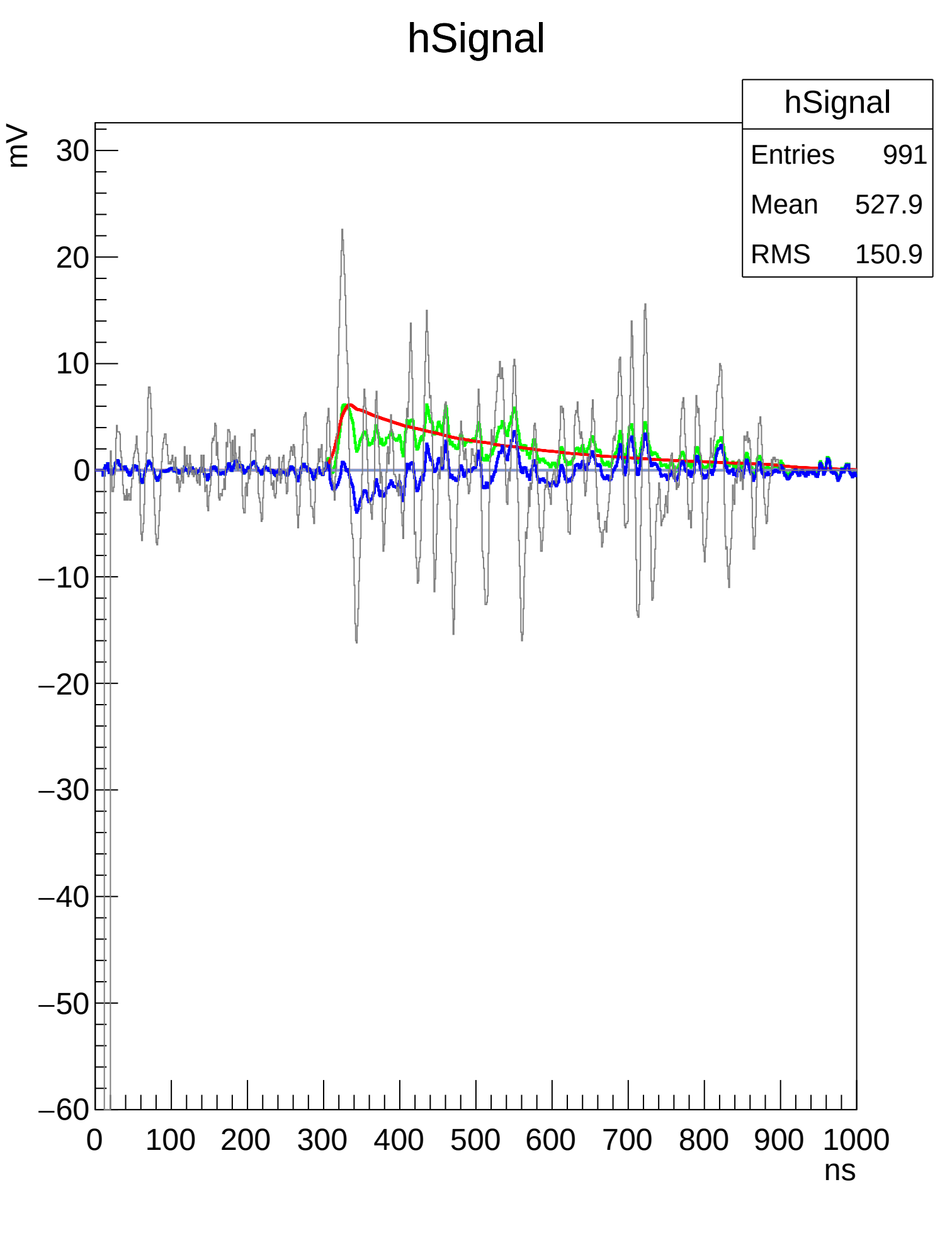
hSignal
hSignal
Entries 991
Mean 527.9
RMS 150.9
mV
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10
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800
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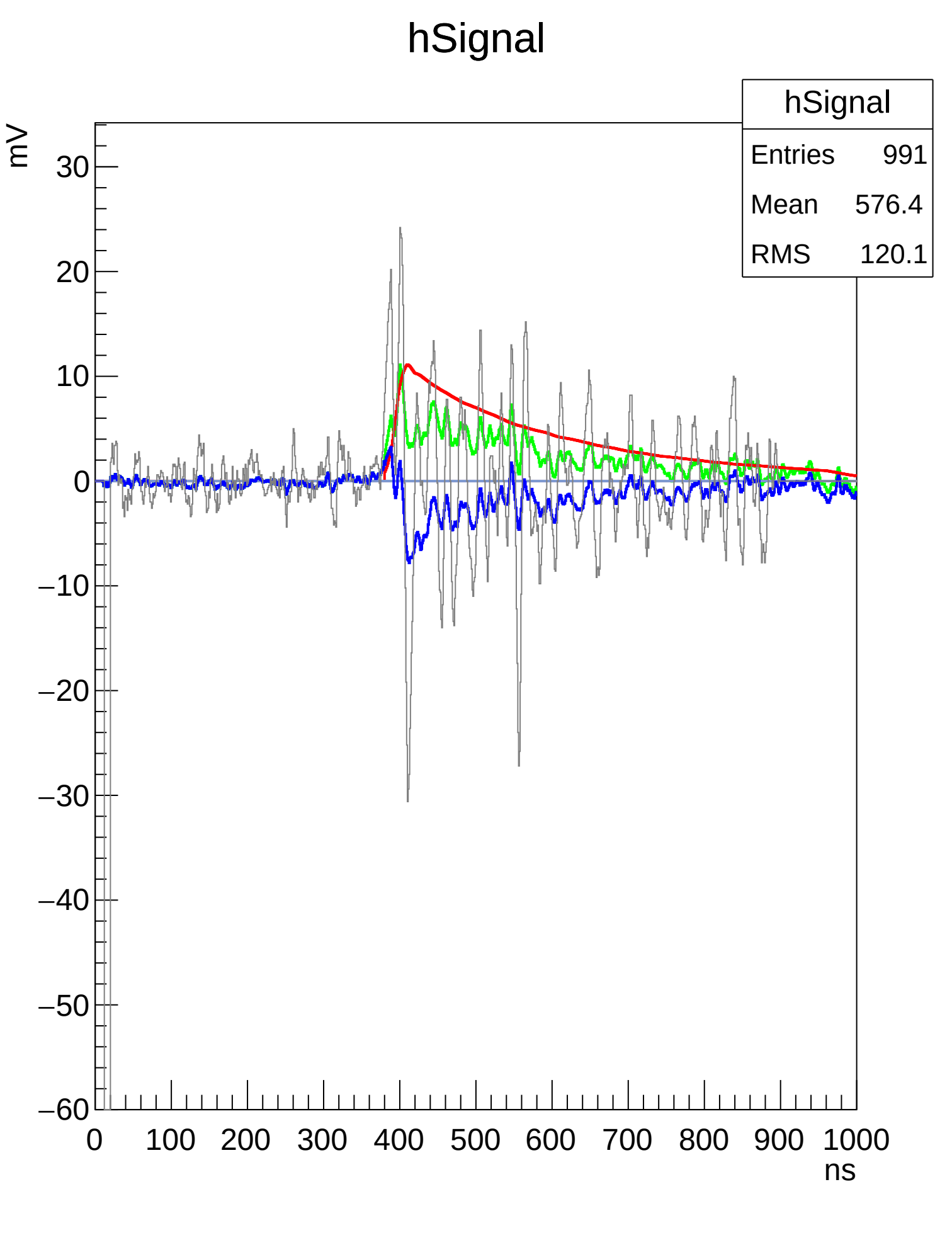
1000
ns


hSignal
hSignal
Entries 991
Mean 576.4
RMS 120.1
mV
30
20
10
0
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−40
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0
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1000
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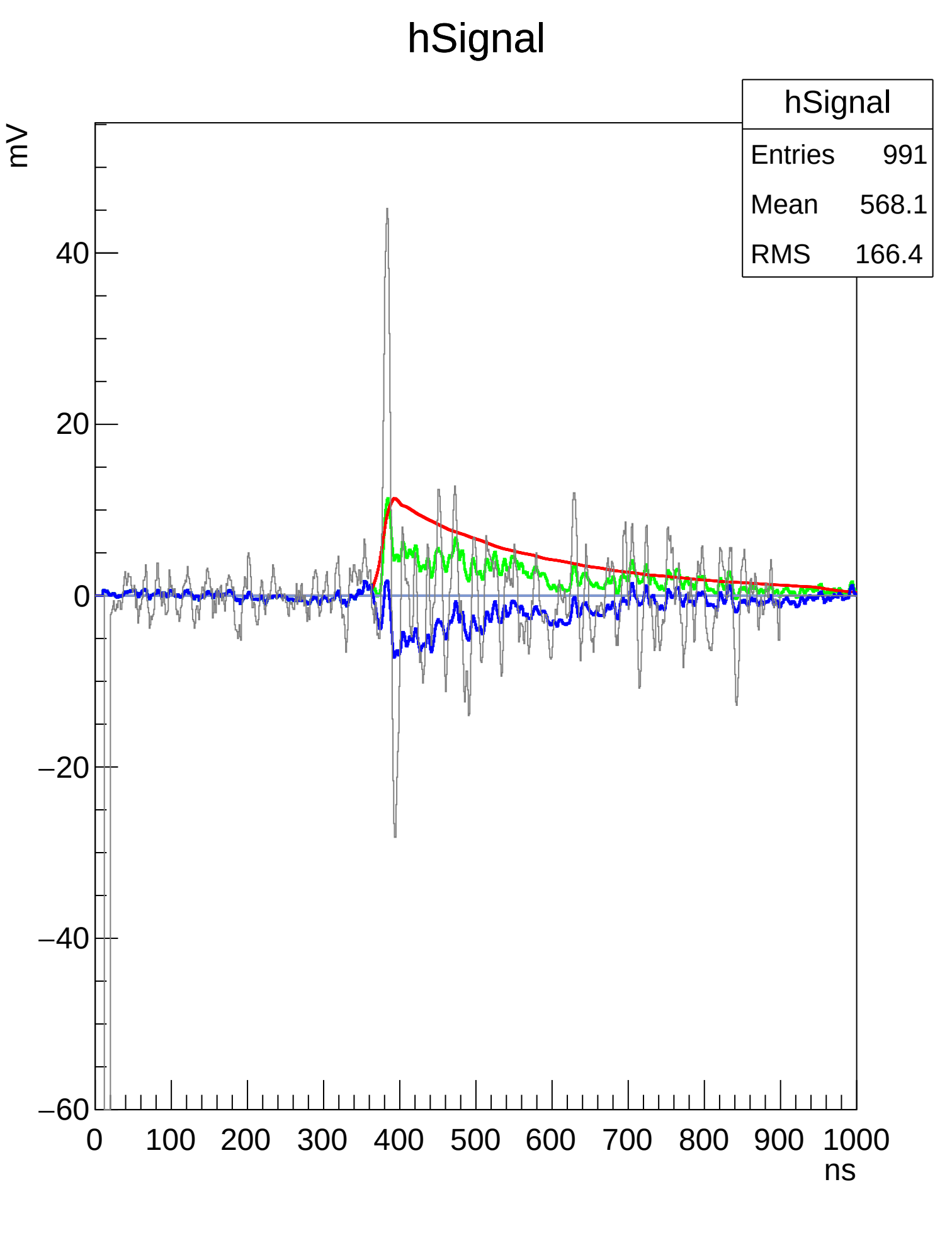
hSignal
hSignal
Entries 991
Mean 568.1
RMS 166.4
mV
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−20
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0
100
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1000
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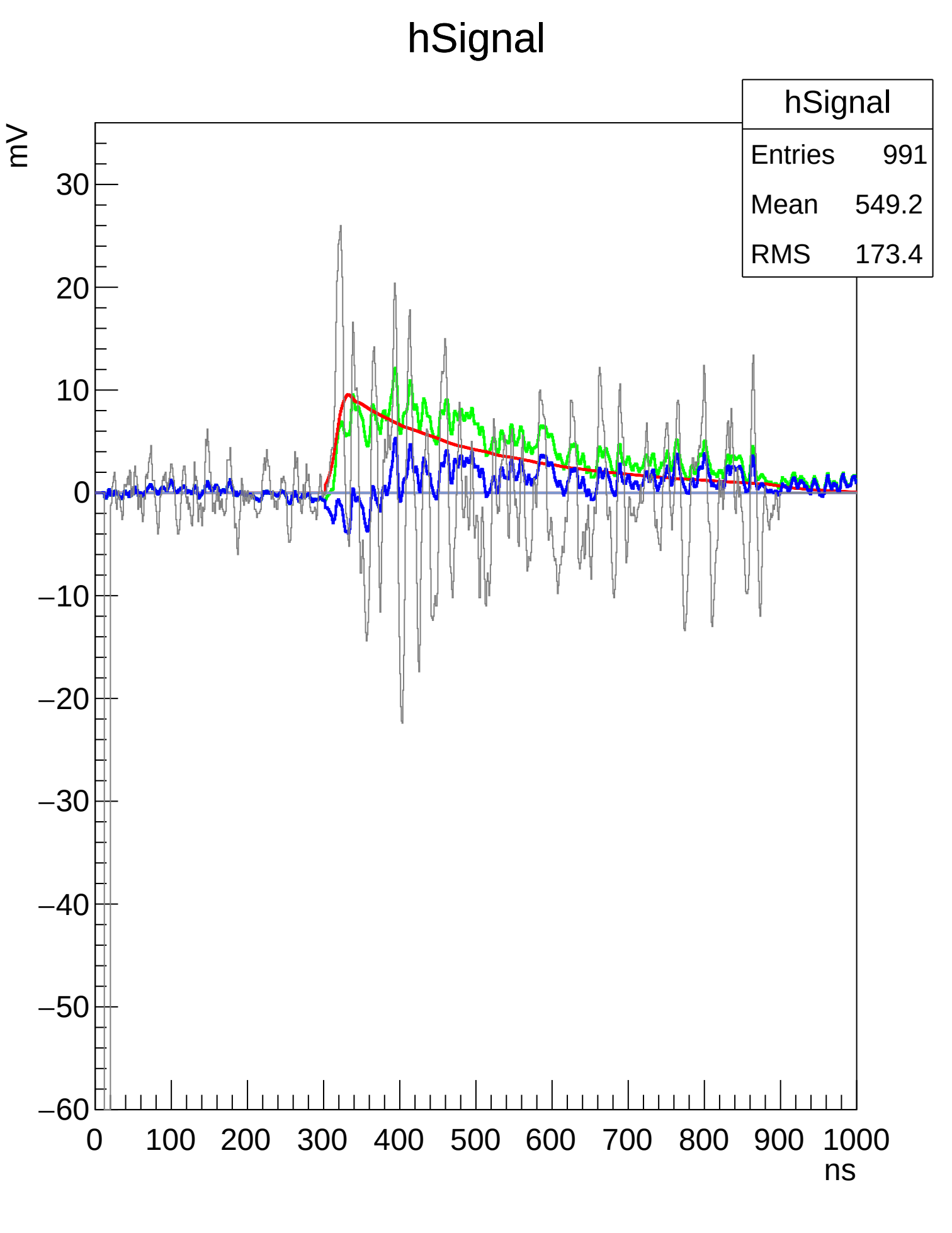
hSignal
hSignal
Entries 991
Mean 549.2
RMS 173.4
mV
30
20
10
0
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−50
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0
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400
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800
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1000
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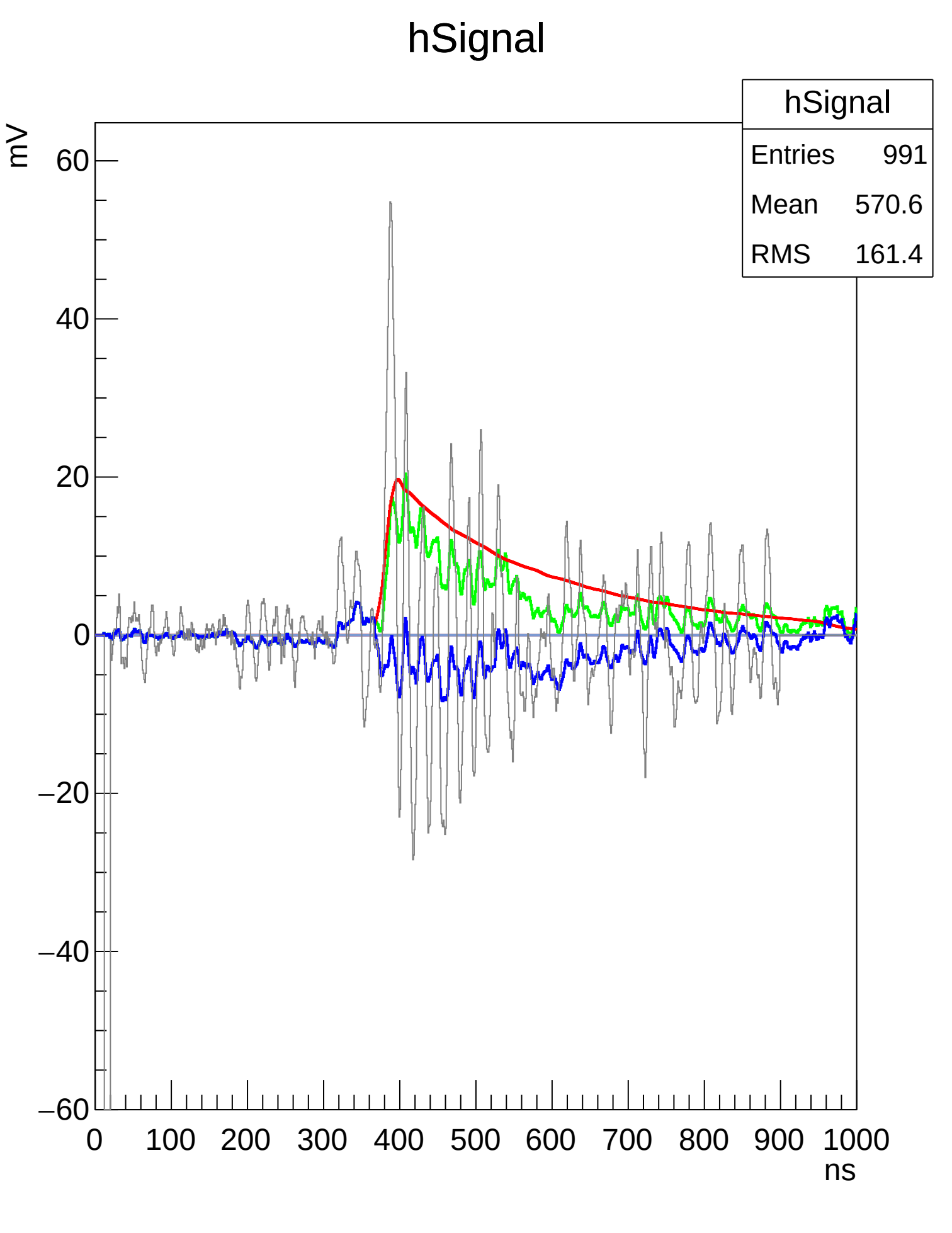
hSignal
hSignal
Entries 991
Mean 570.6
RMS 161.4
mV
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0
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400
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800
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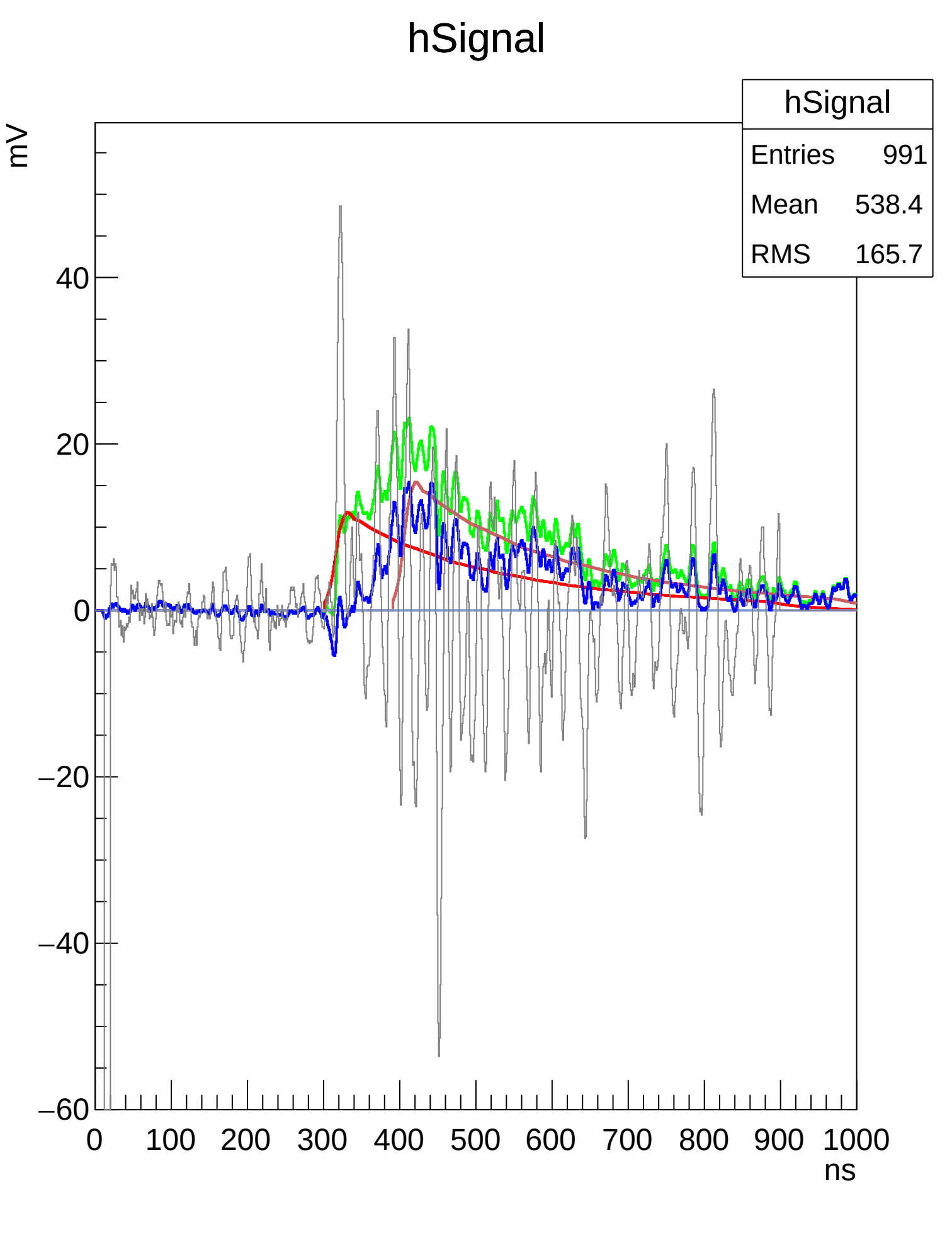
hSignal
hSignal
Entries 991
Mean 538.4
RMS 165.7
mV
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−20
−40
−60
0
100
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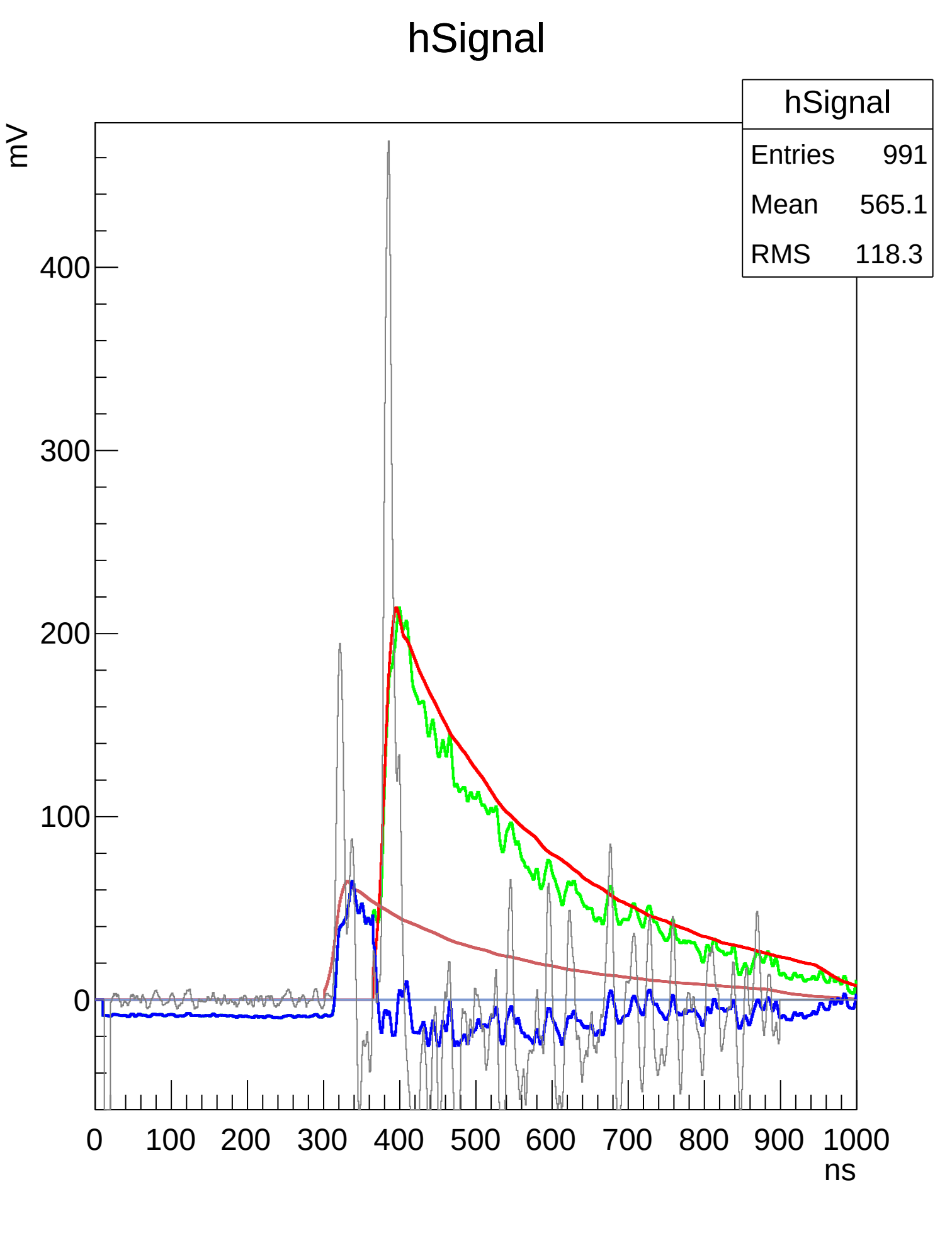
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.1
RMS 118.3
mV
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300
200
100
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0
100
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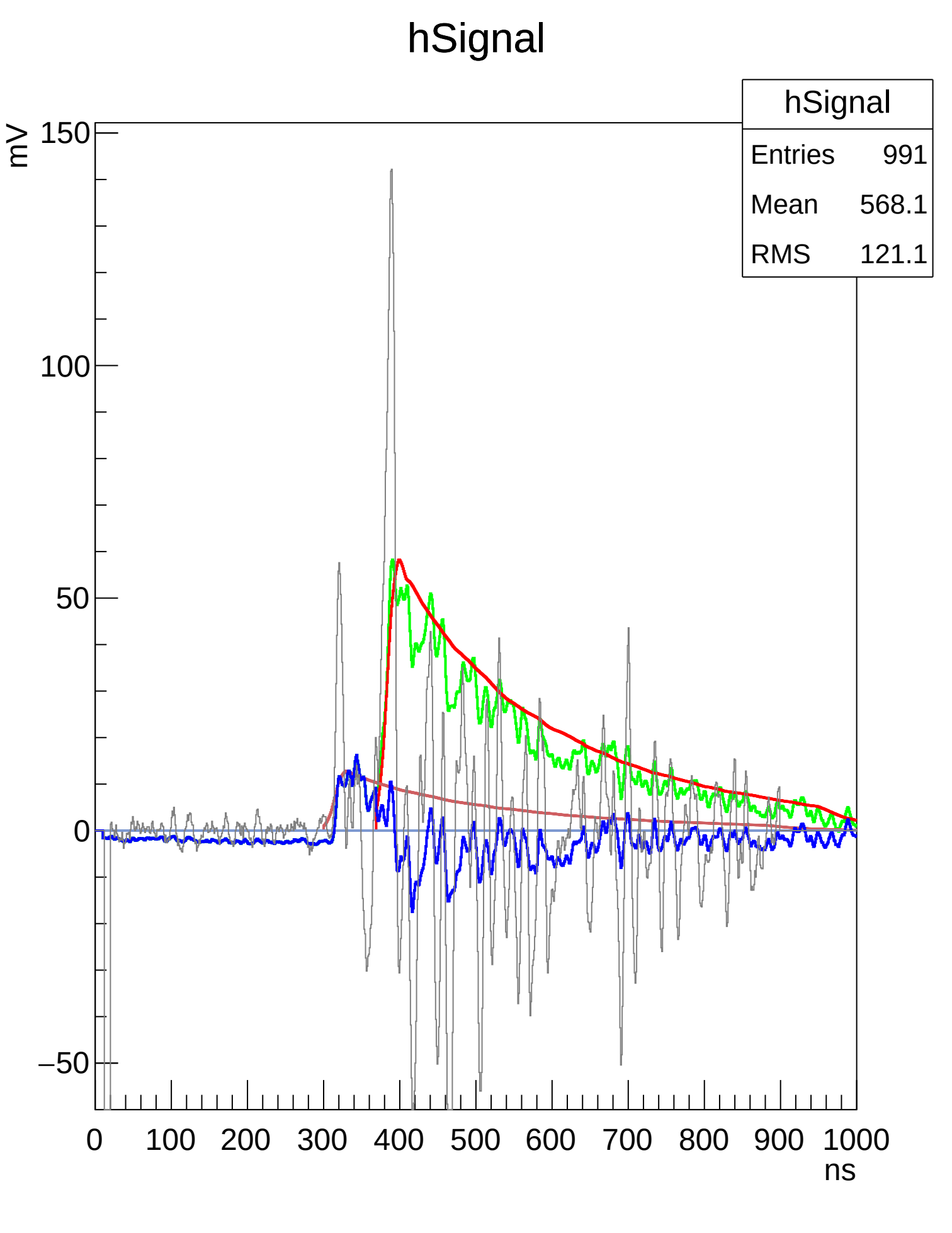
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.1
RMS 121.1
mV
150
100
50
0
−50
0
100
200
300
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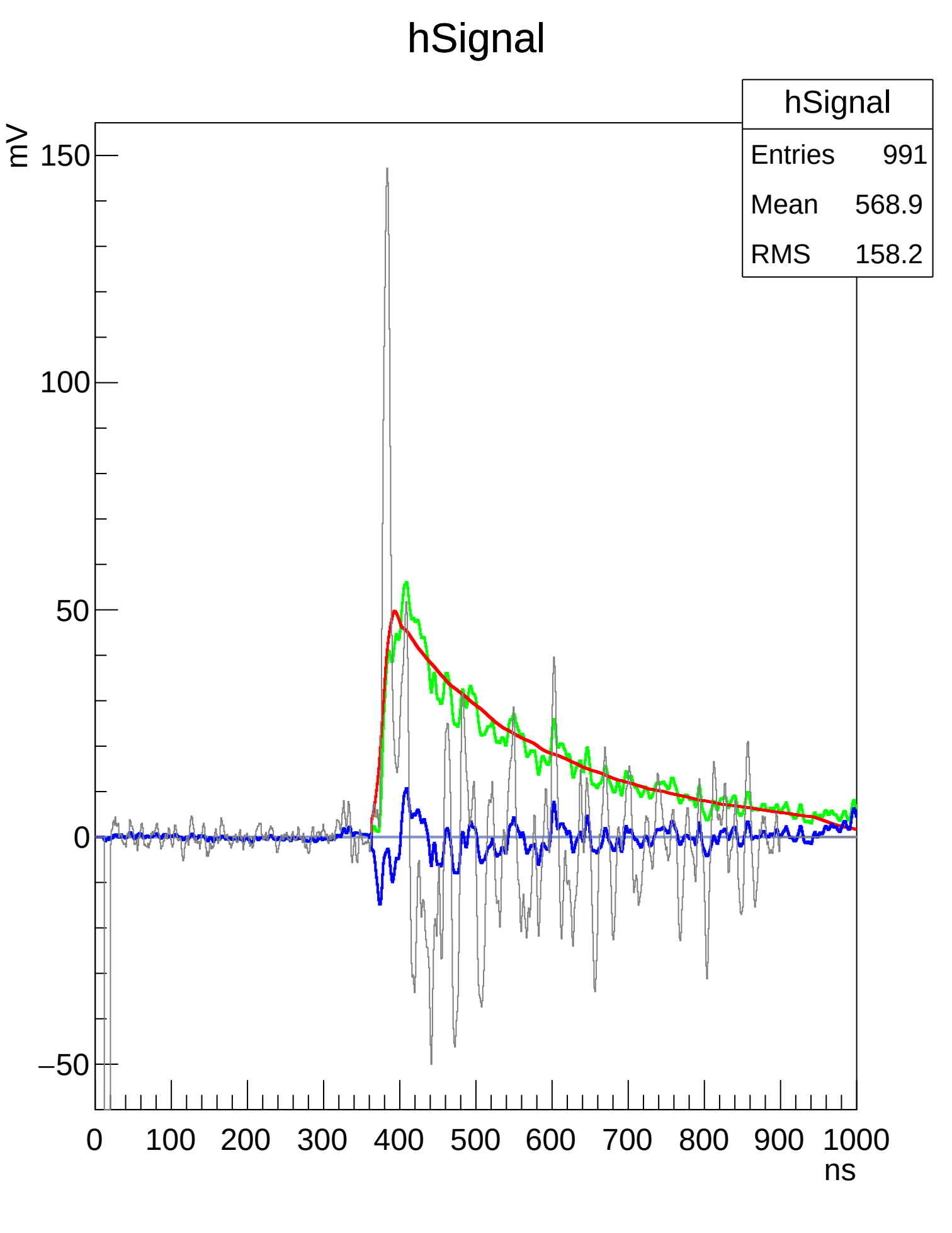
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.9
RMS 158.2
mV
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50
0
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0
100
200
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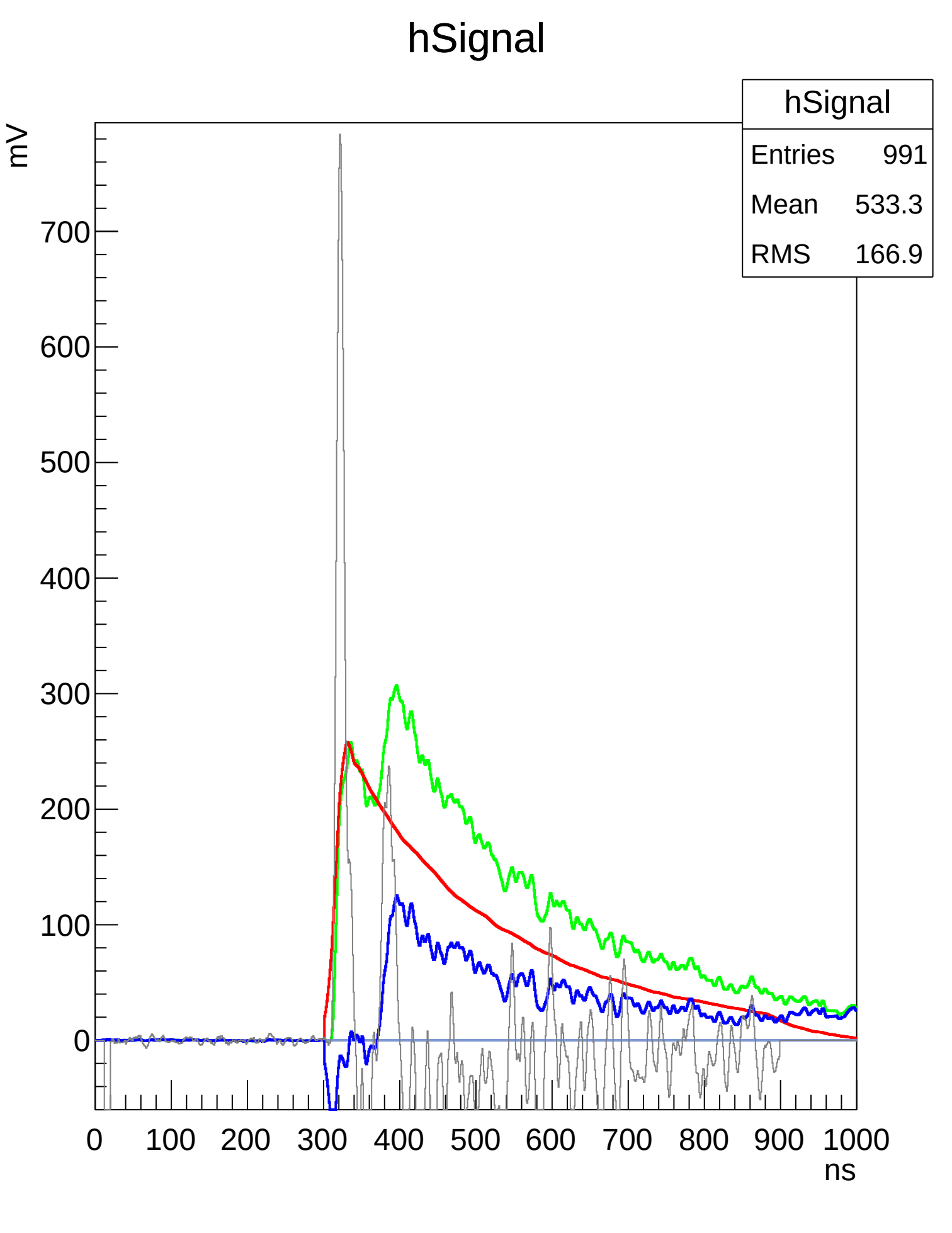
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.3
RMS 166.9
mV
700
600
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300
200
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400
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800
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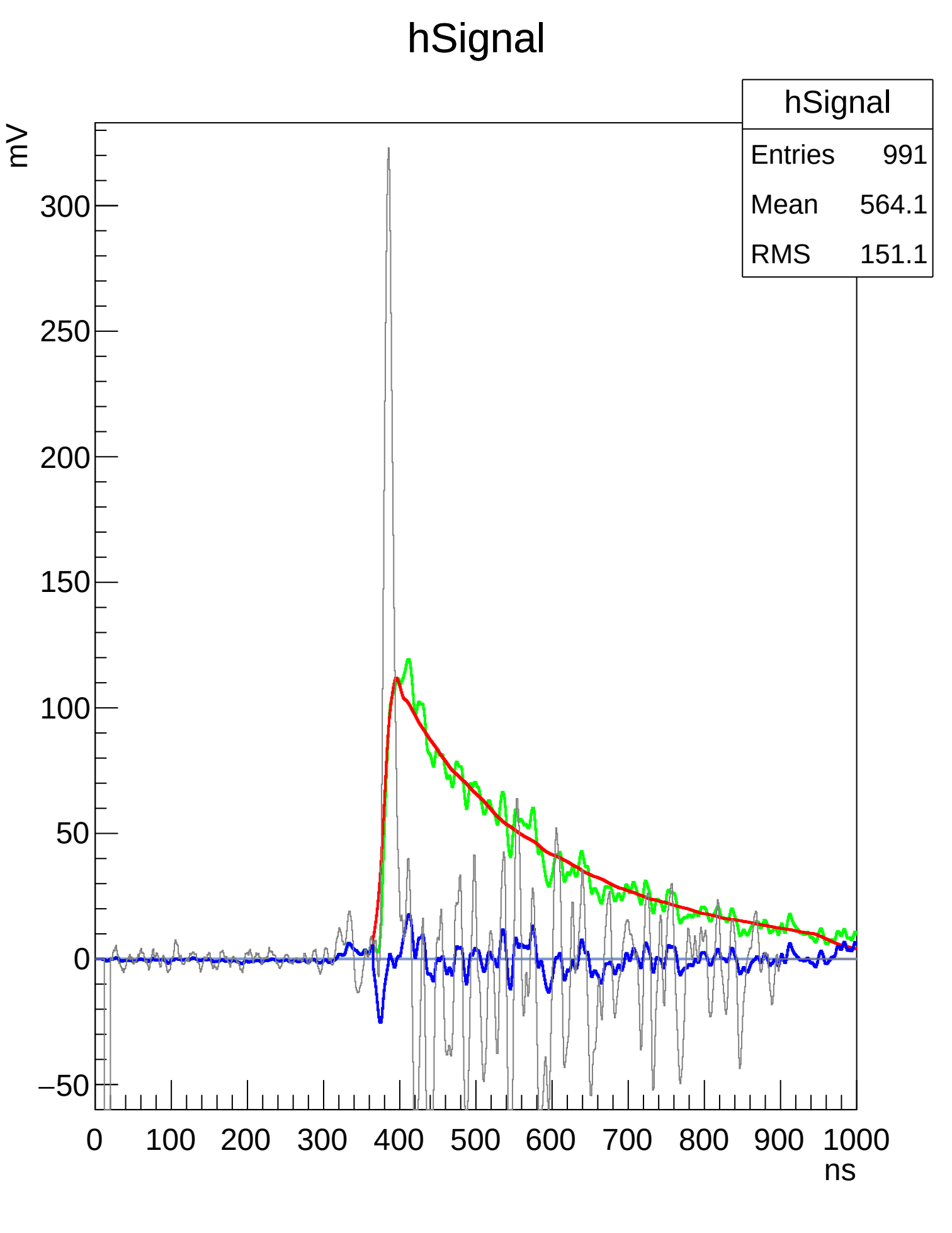
1000
ns


hSignal
hSignal
Entries 991
Mean 564.1
RMS 151.1
mV
300
250
200
150
100
50
0
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0
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400
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600
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800
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1000
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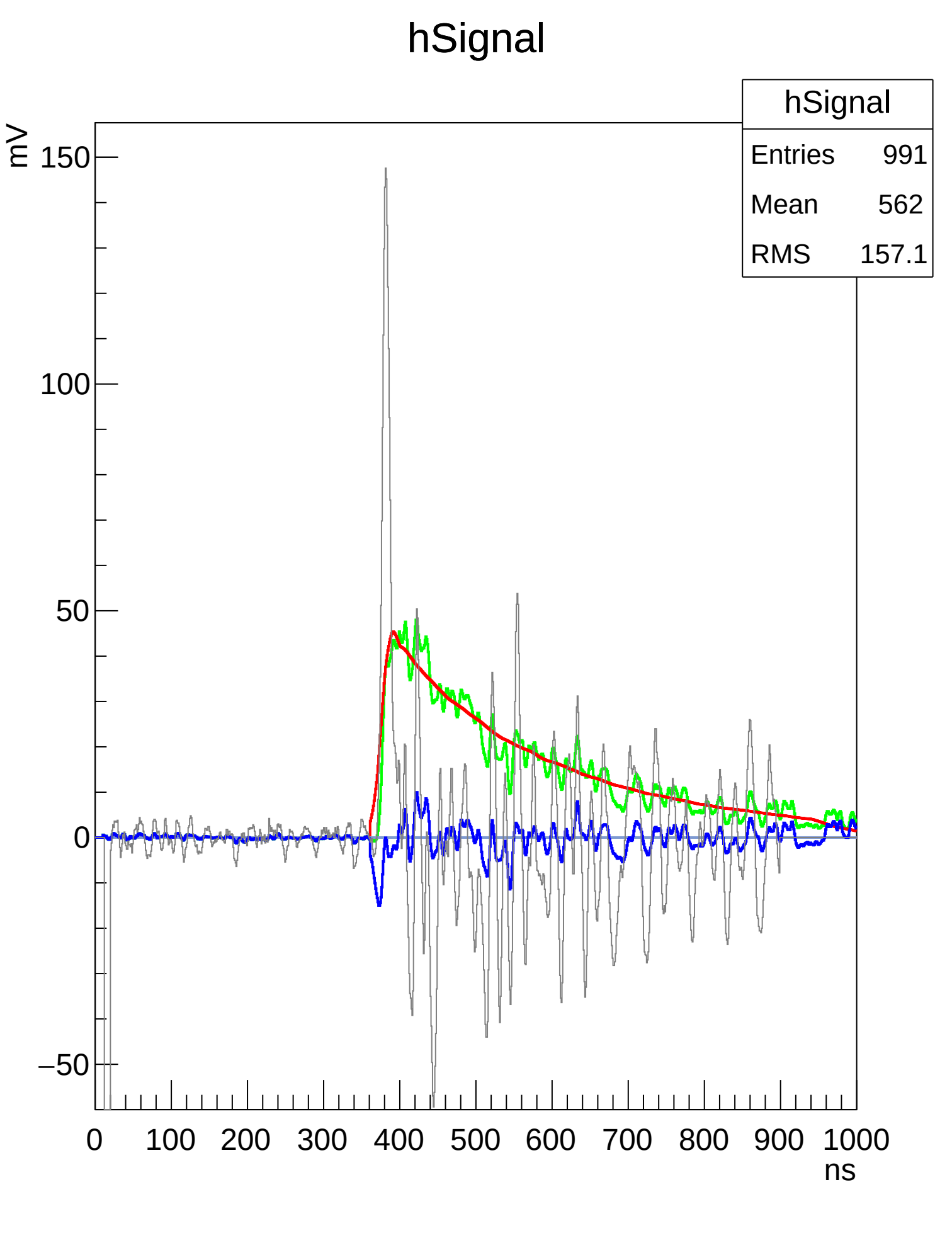
hSignal
hSignal
Entries 991
Mean 562
RMS 157.1
mV
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100
50
0
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0
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400
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1000
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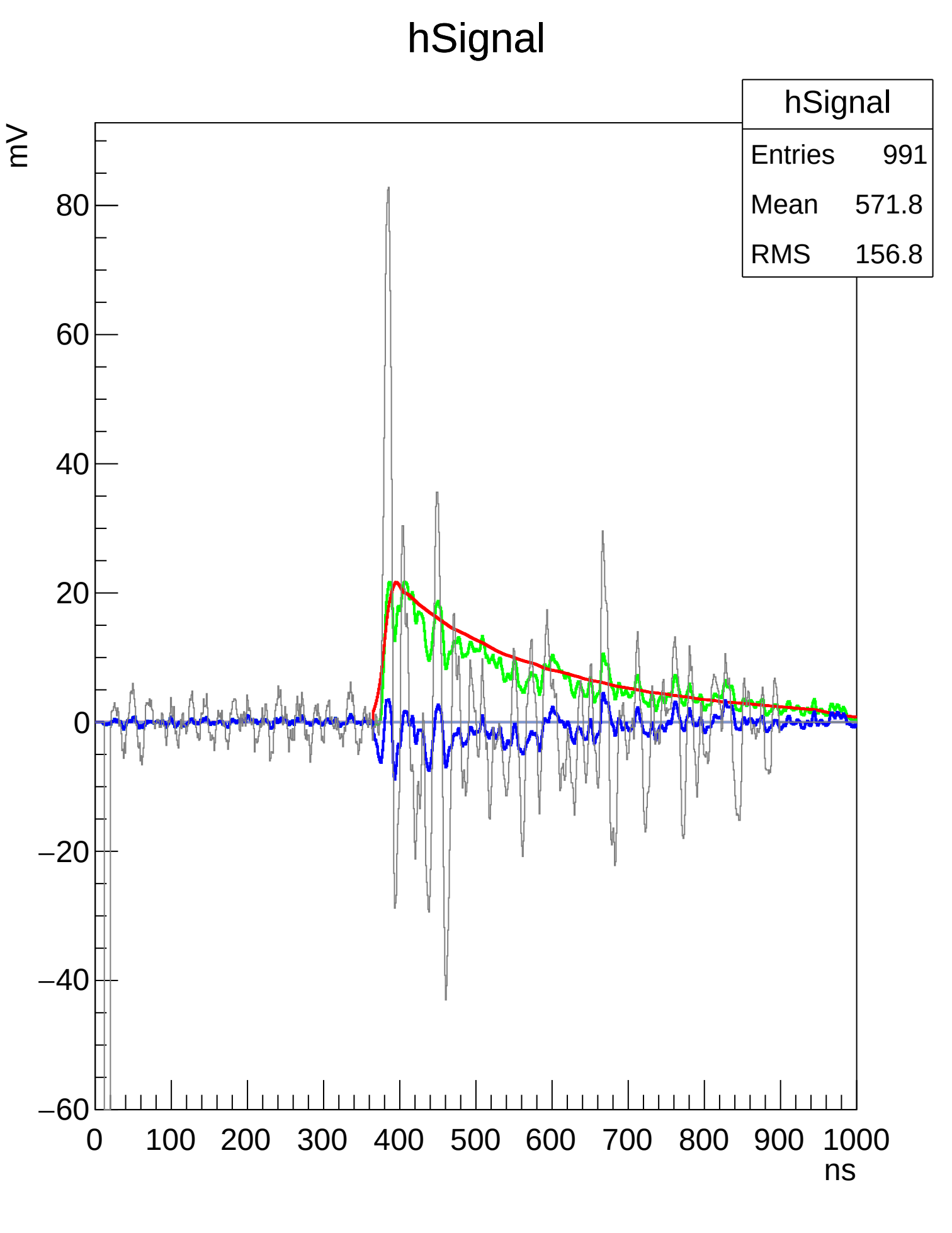
hSignal
hSignal
Entries 991
Mean 571.8
RMS 156.8
mV
80
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40
20
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−20
−40
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0
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200
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400
500
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800
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1000
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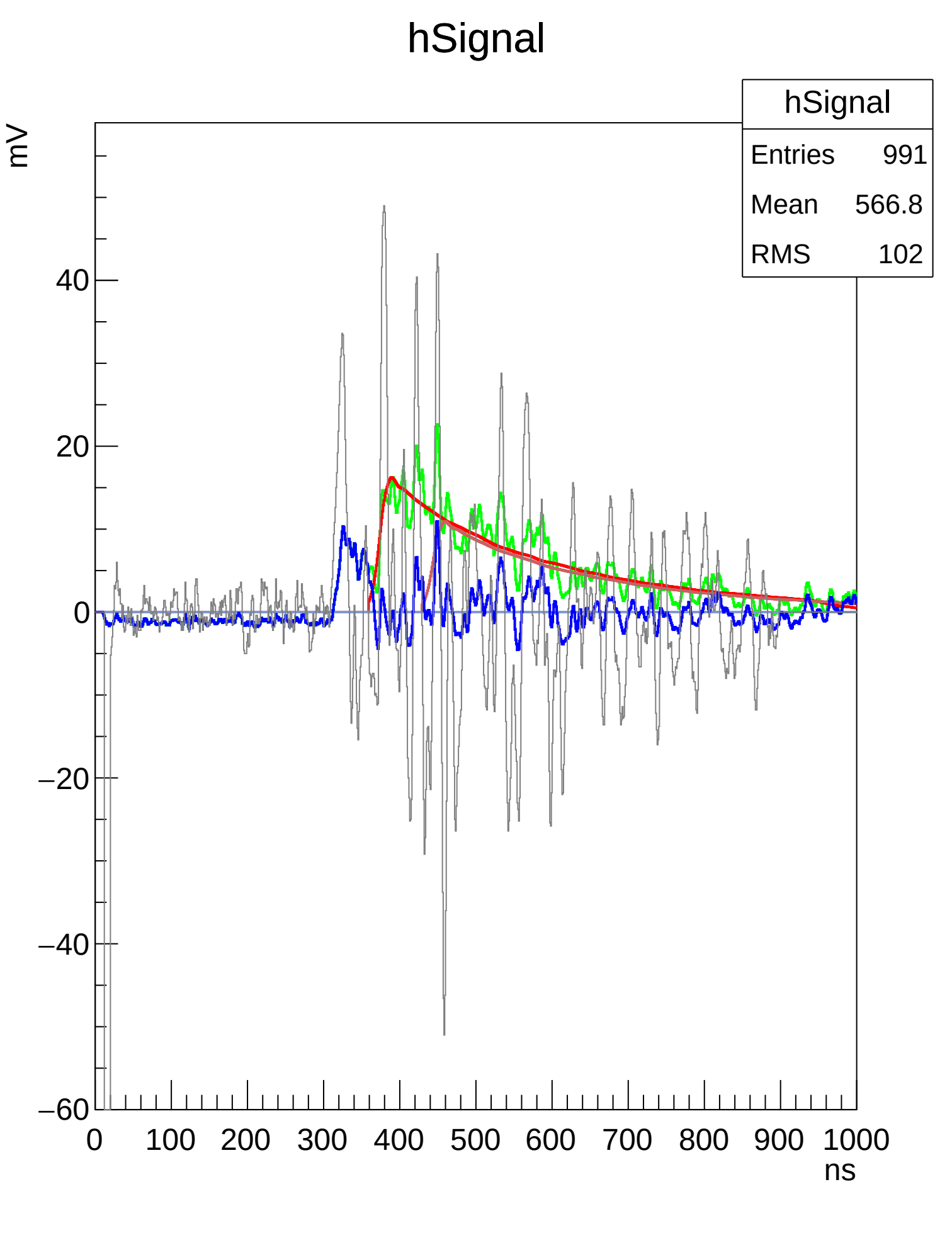
hSignal
hSignal
Entries 991
Mean 566.8
RMS 102
mV
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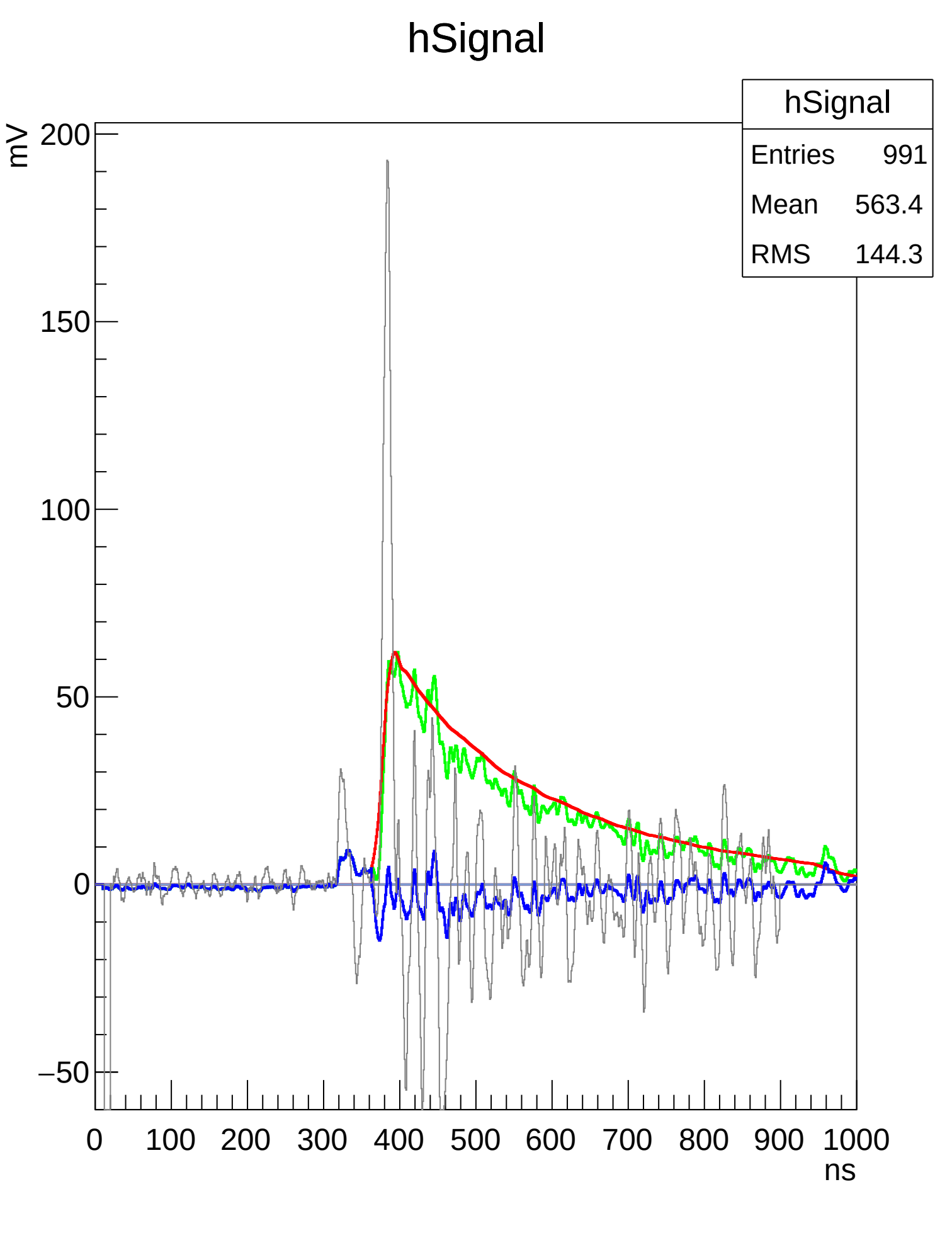
hSignal
hSignal
Entries 991
Mean 563.4
RMS 144.3
mV
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100
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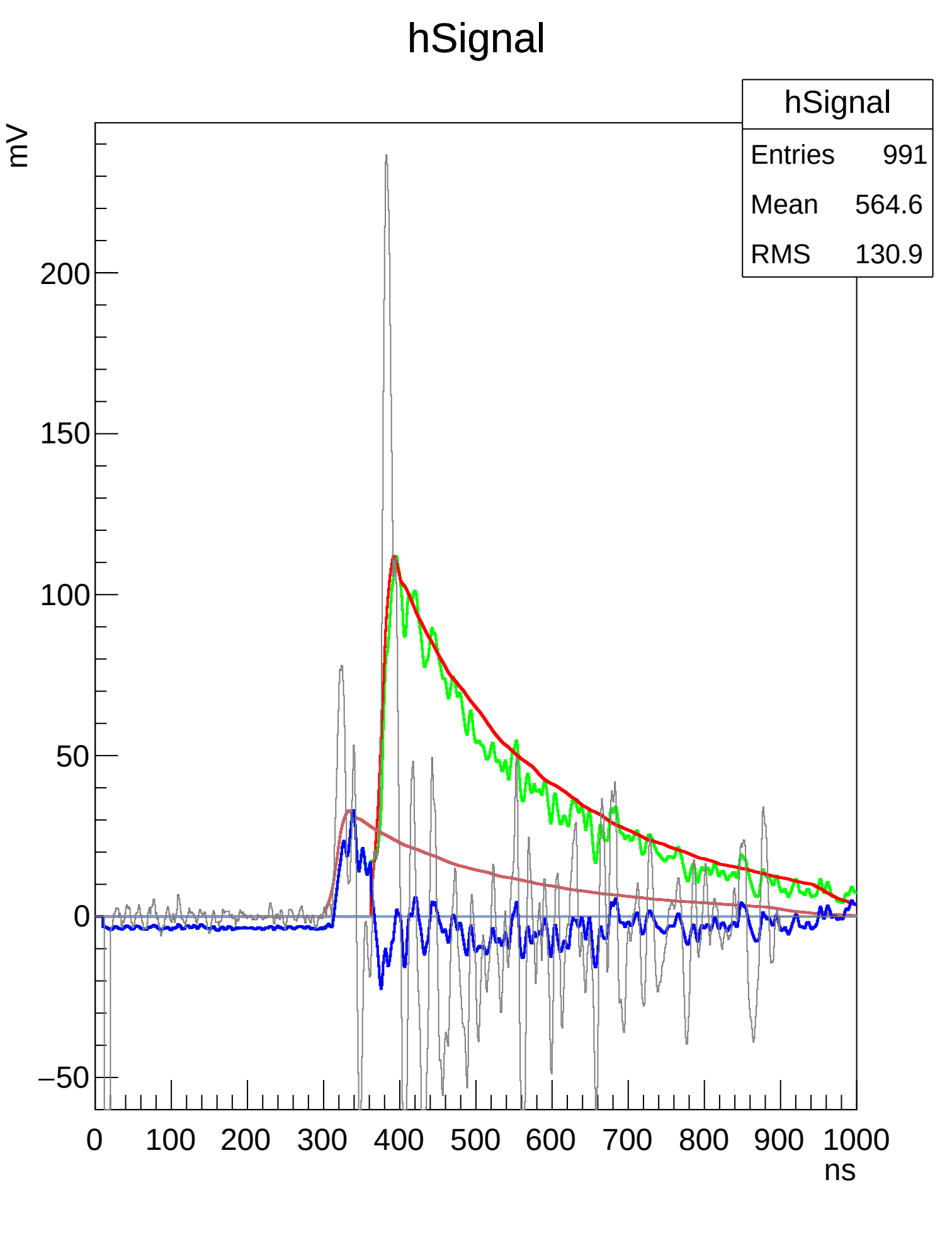
hSignal
hSignal
Entries 991
Mean 564.6
RMS 130.9
mV
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100
50
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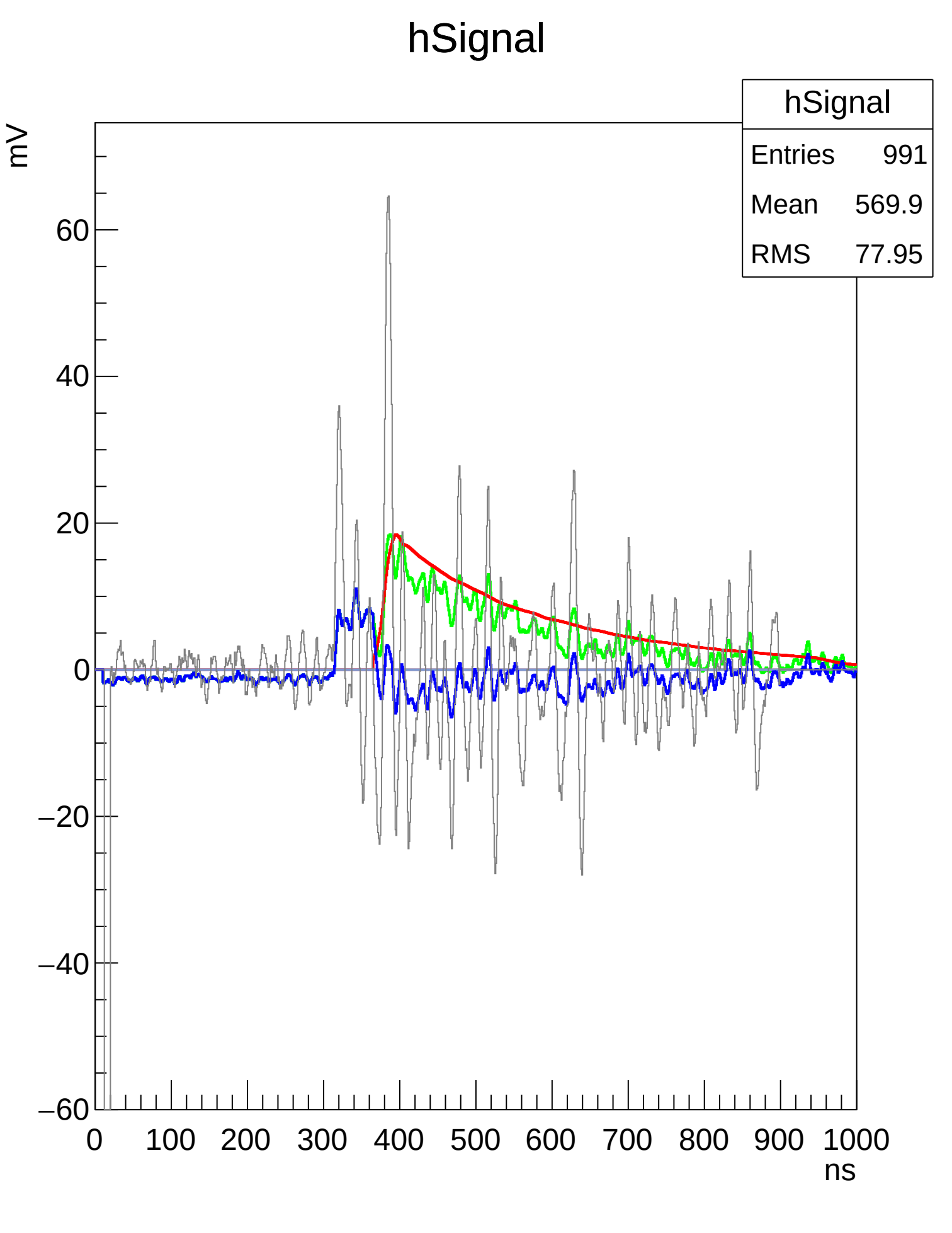
hSignal
hSignal
Entries 991
Mean 569.9
RMS 77.95
mV
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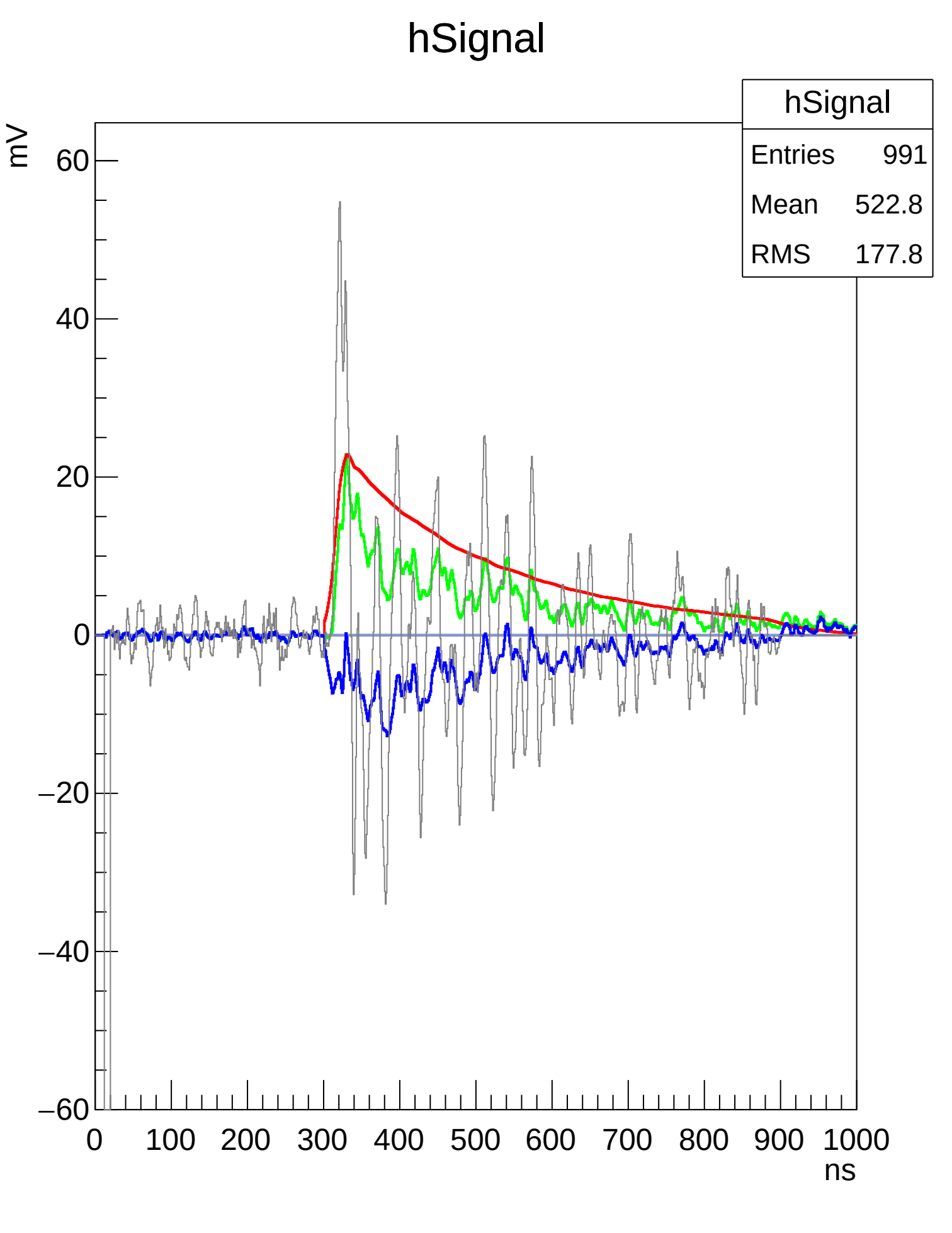
hSignal
hSignal
Entries 991
Mean 522.8
RMS 177.8
mV
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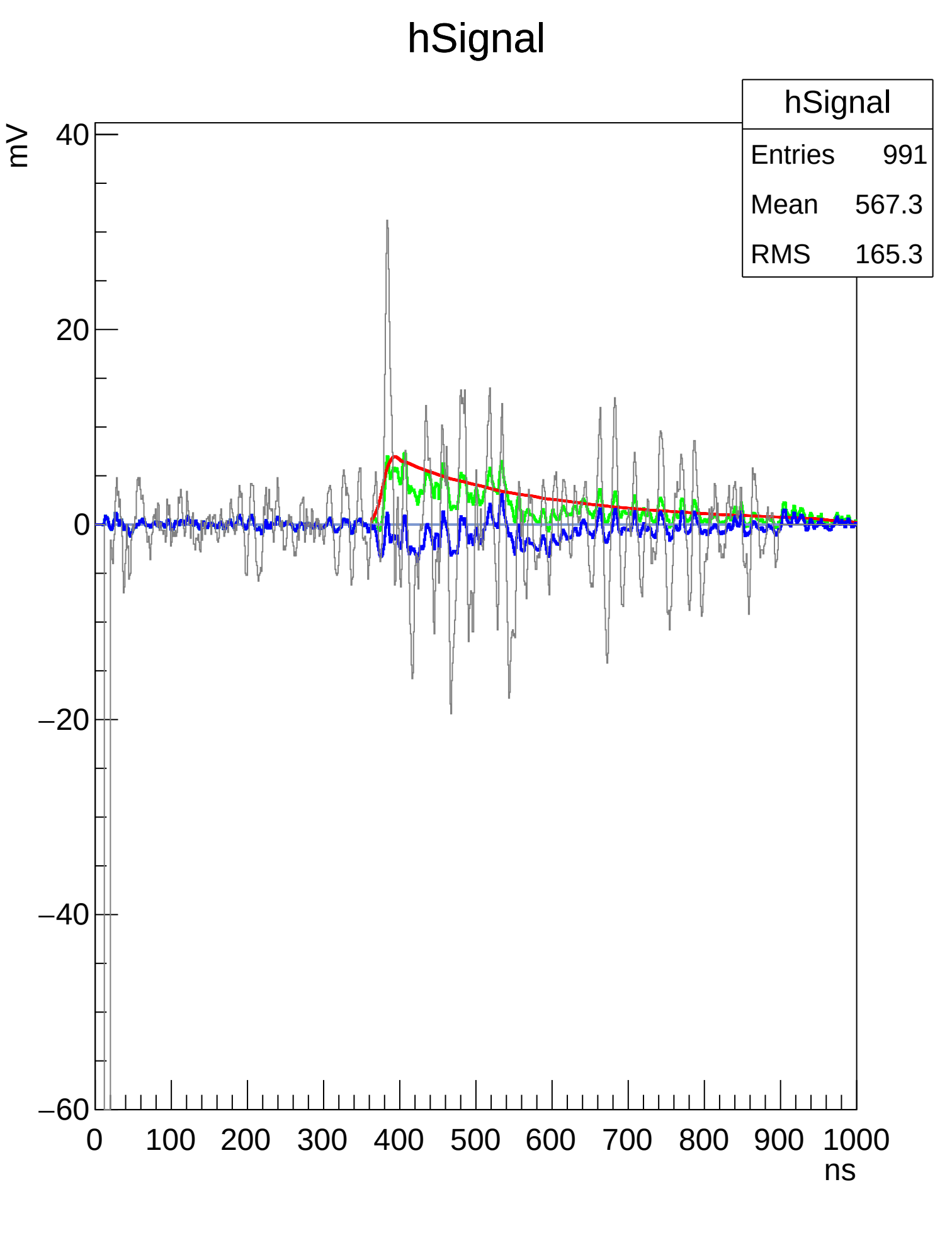
hSignal
hSignal
Entries 991
Mean 567.3
RMS 165.3
mV
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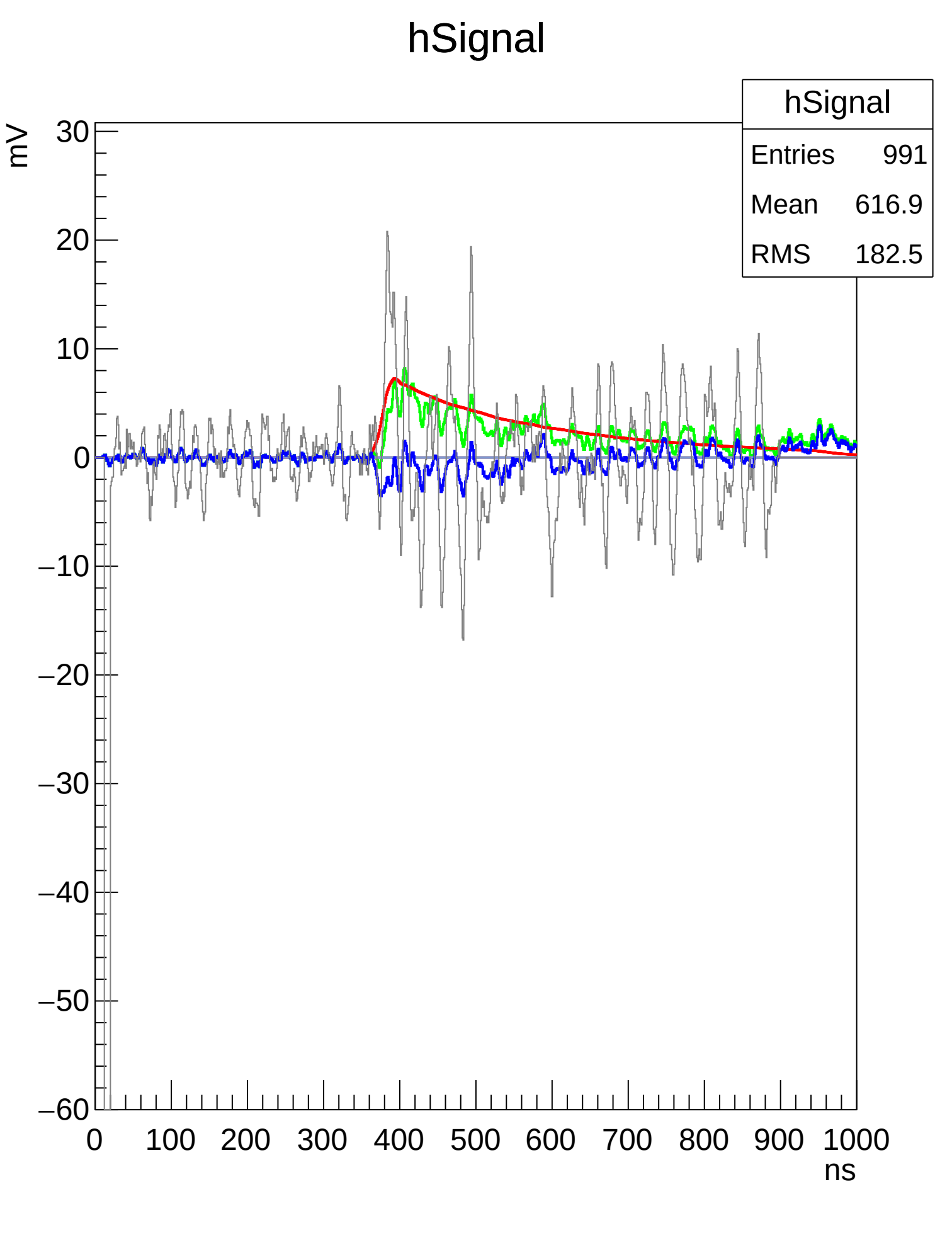
hSignal
hSignal
Entries 991
Mean 616.9
RMS 182.5
mV
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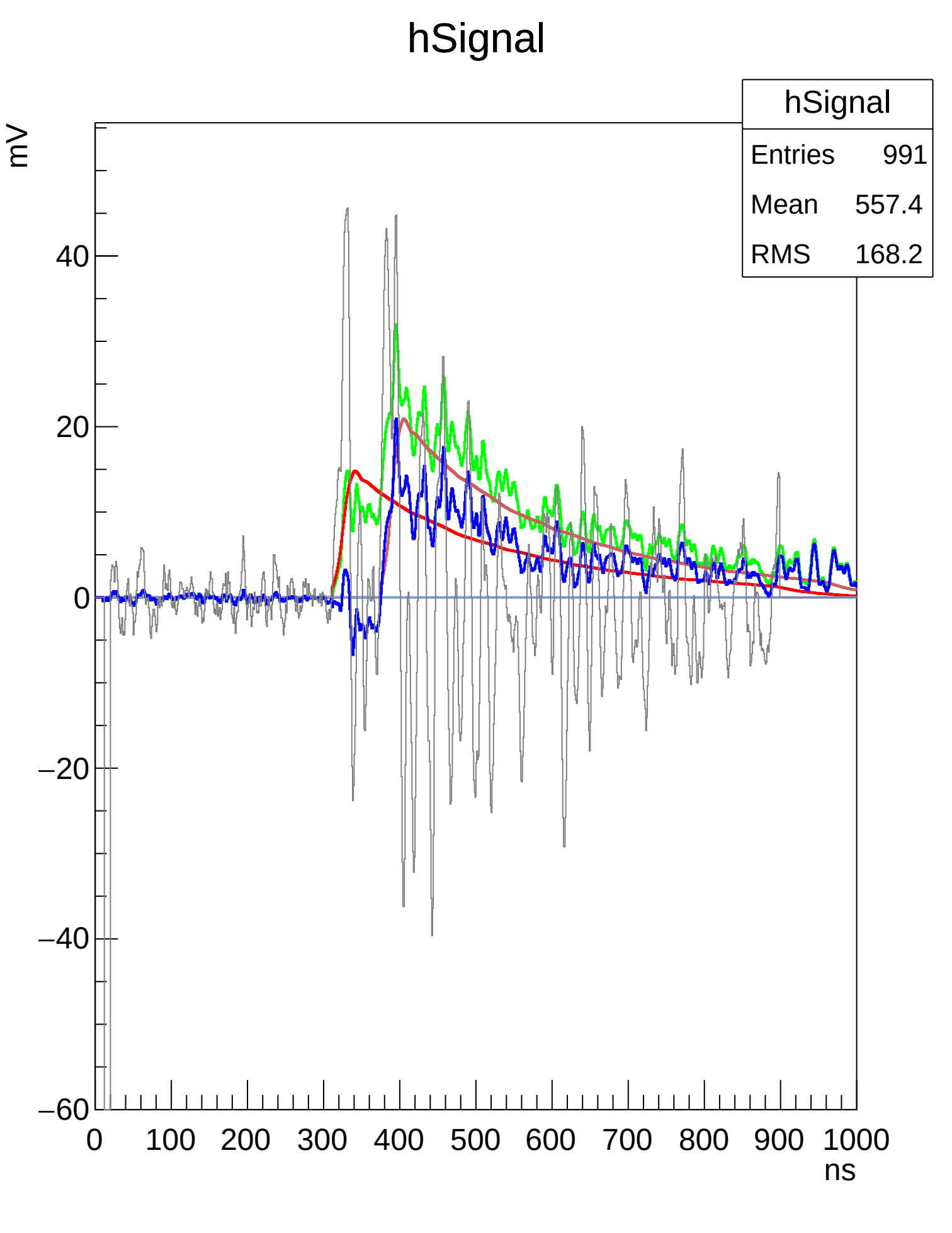
hSignal
hSignal
Entries 991
Mean 557.4
RMS 168.2
mV
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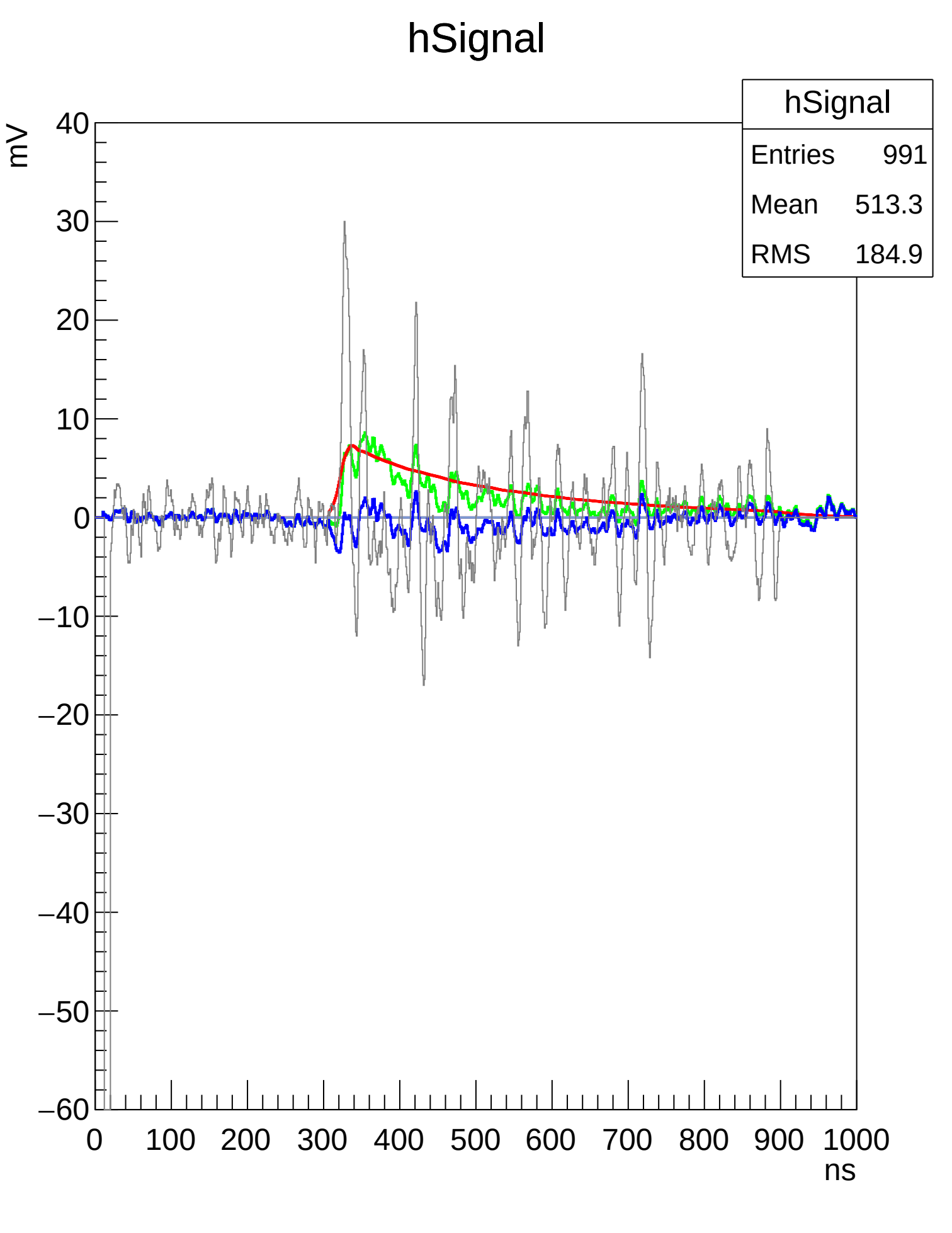
hSignal
hSignal
Entries 991
Mean 513.3
RMS 184.9
mV
40
30
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10
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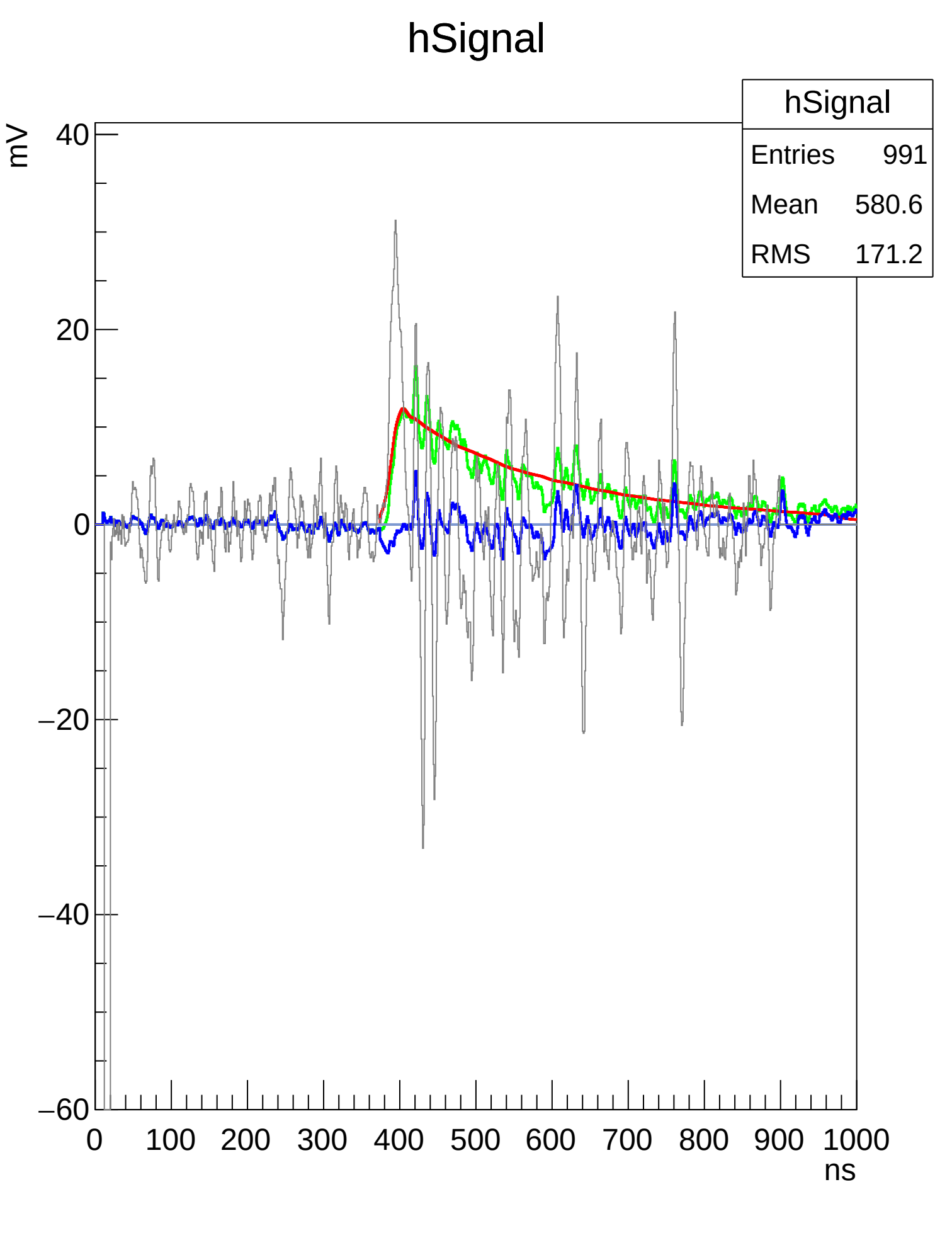
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hSignal
Entries 991
Mean 580.6
RMS 171.2
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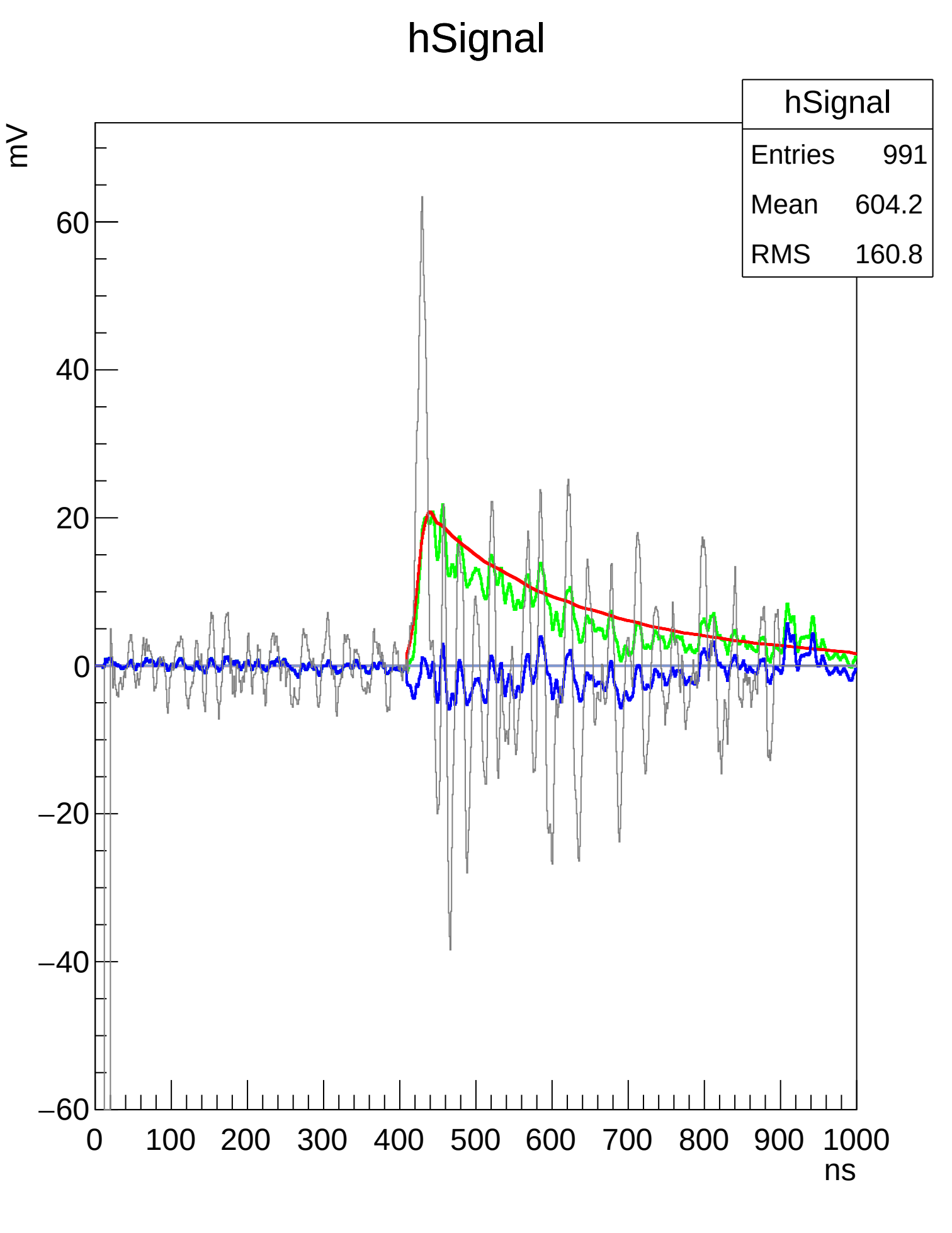
hSignal
hSignal
Entries 991
Mean 604.2
RMS 160.8
mV
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1000
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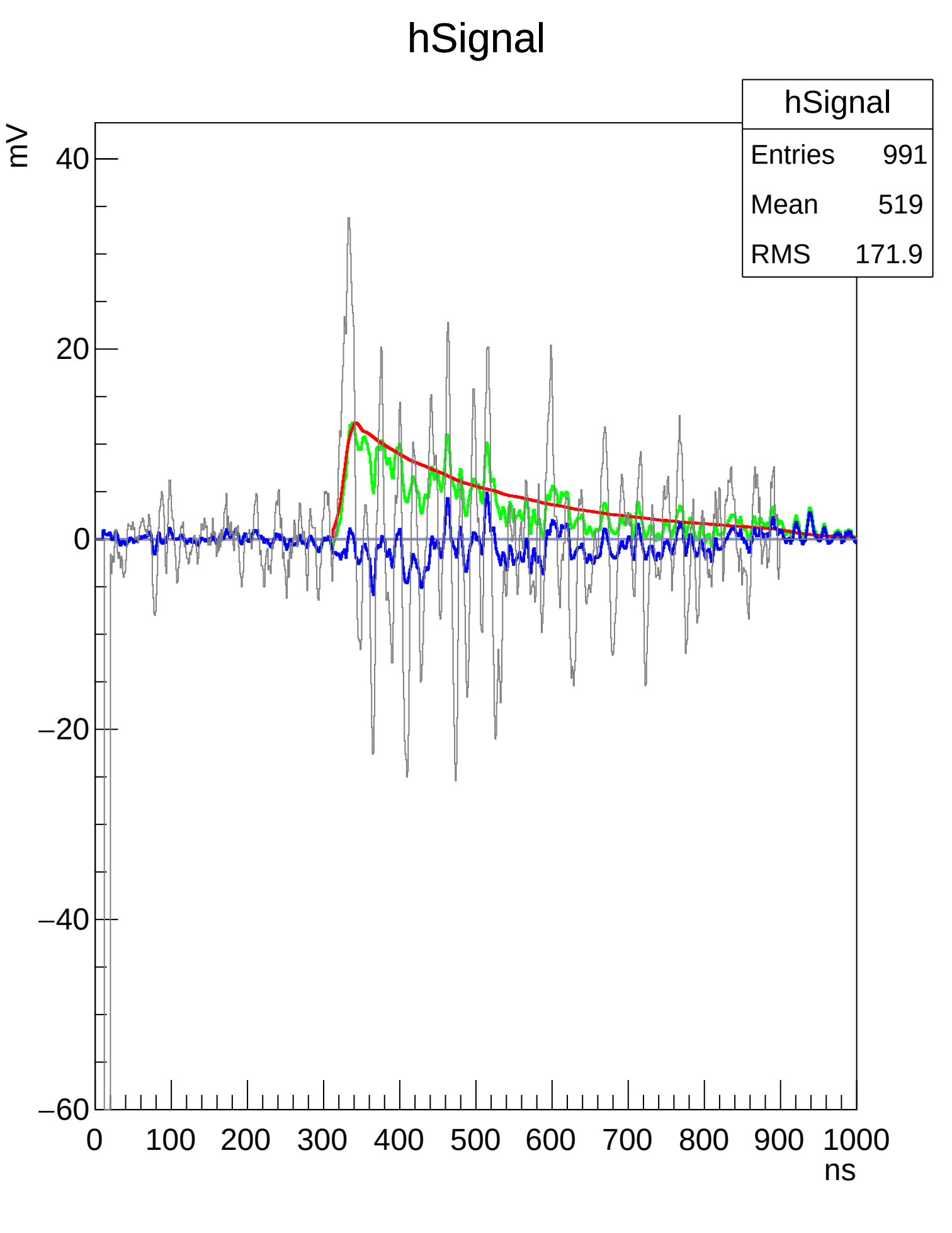
hSignal
hSignal
Entries 991
Mean 519
RMS 171.9
mV
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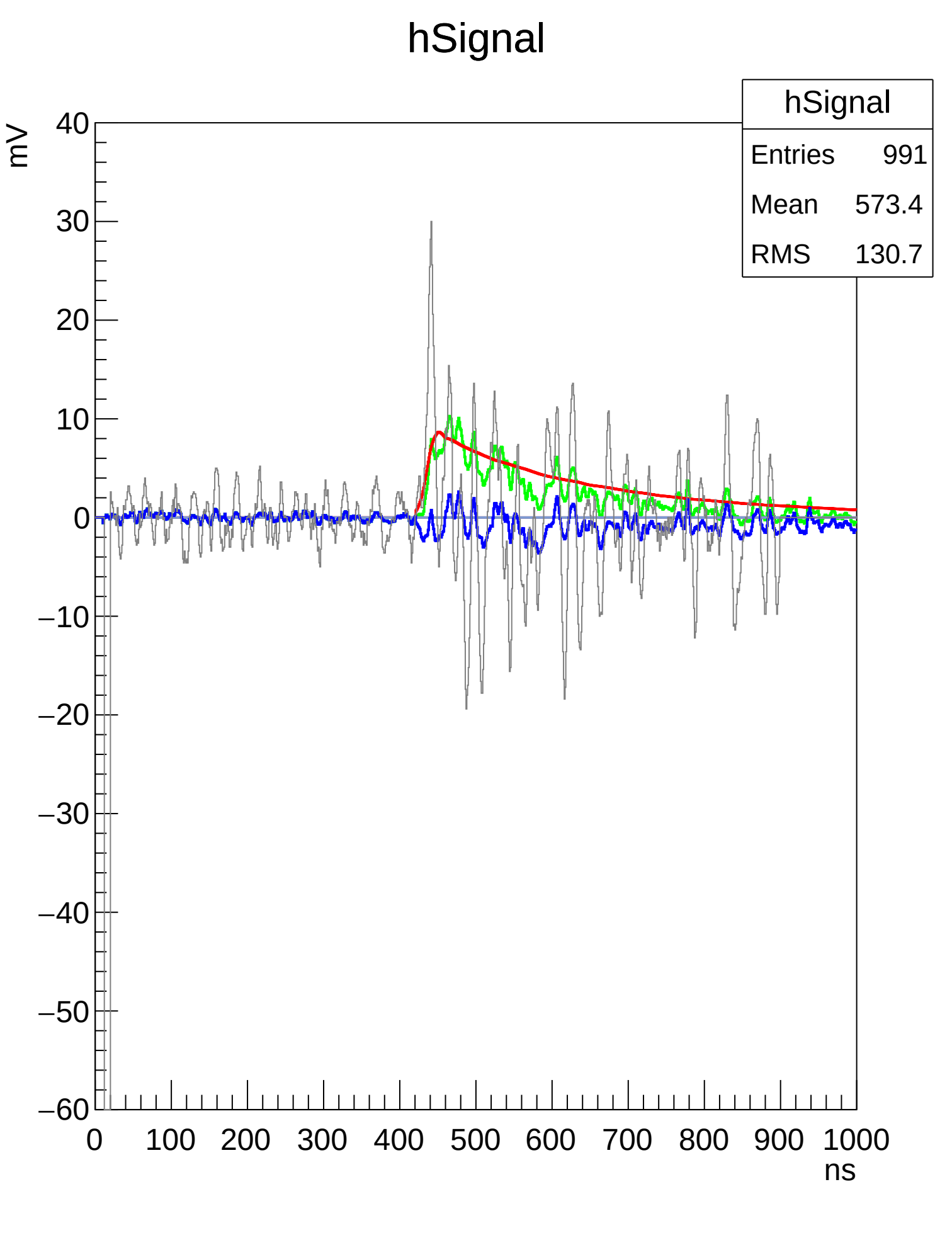
hSignal
hSignal
Entries 991
Mean 573.4
RMS 130.7
mV
40
30
20
10
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100
200
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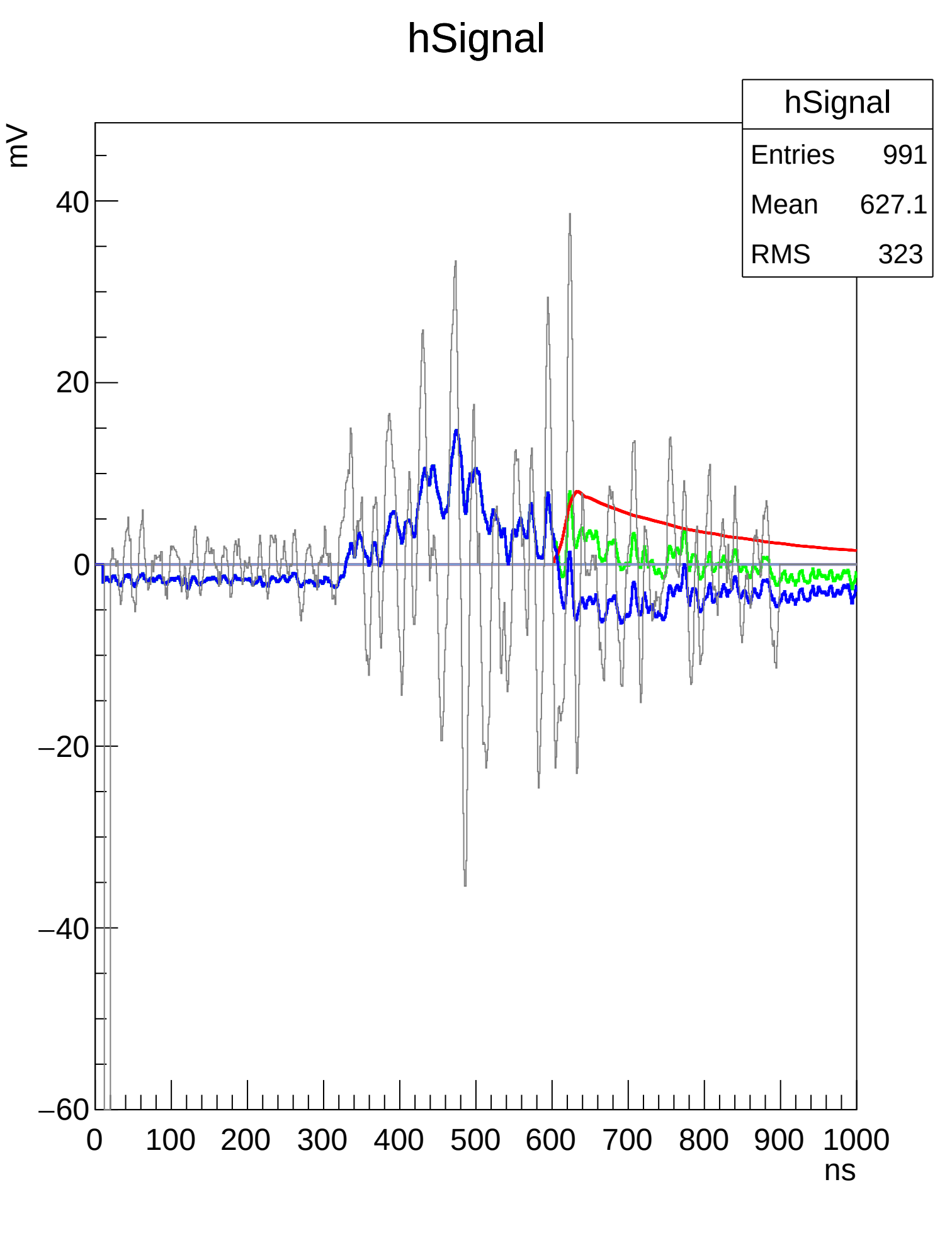
hSignal
hSignal
Entries 991
Mean 627.1
RMS 323
mV
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1000
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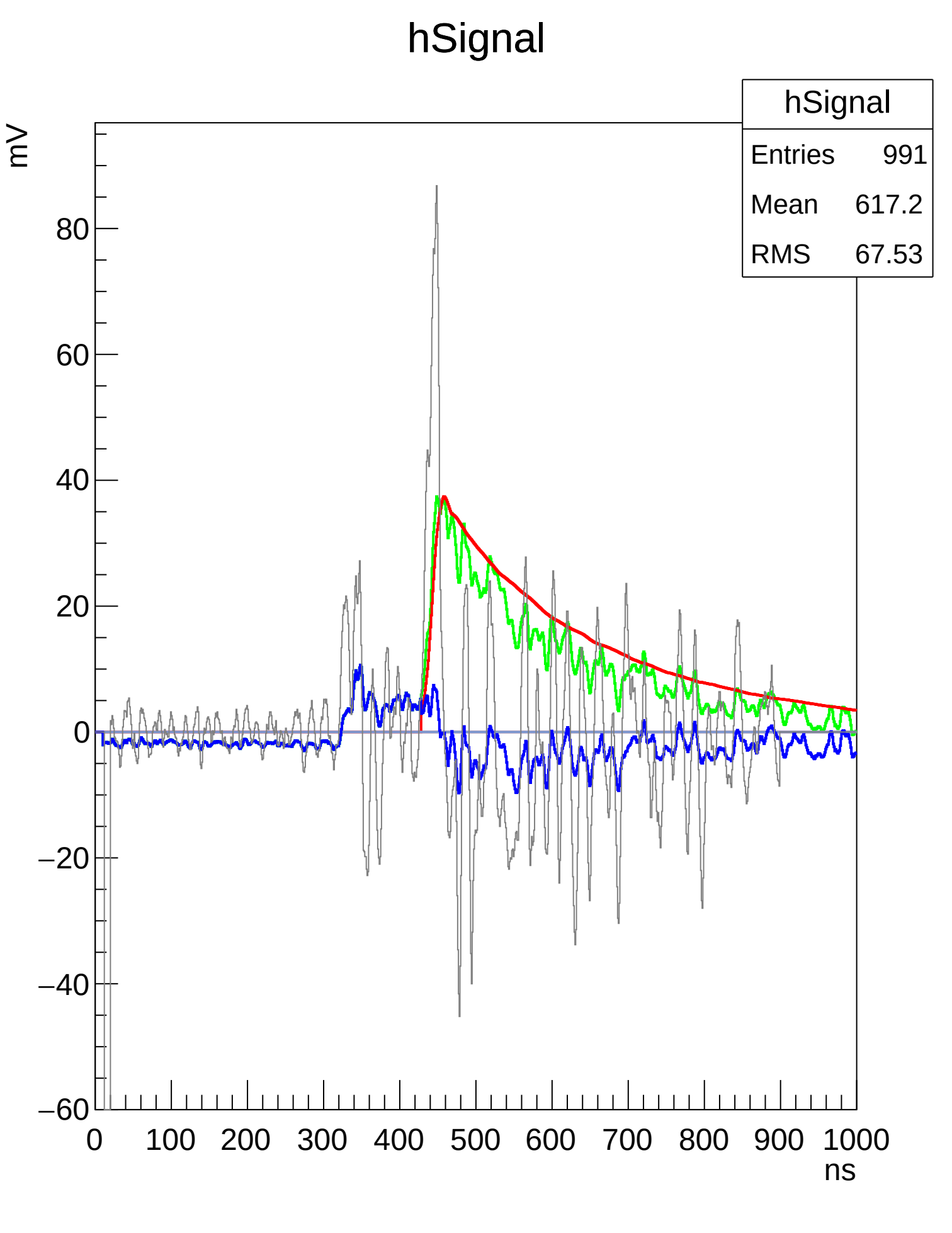
hSignal
hSignal
Entries 991
Mean 617.2
RMS 67.53
mV
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600
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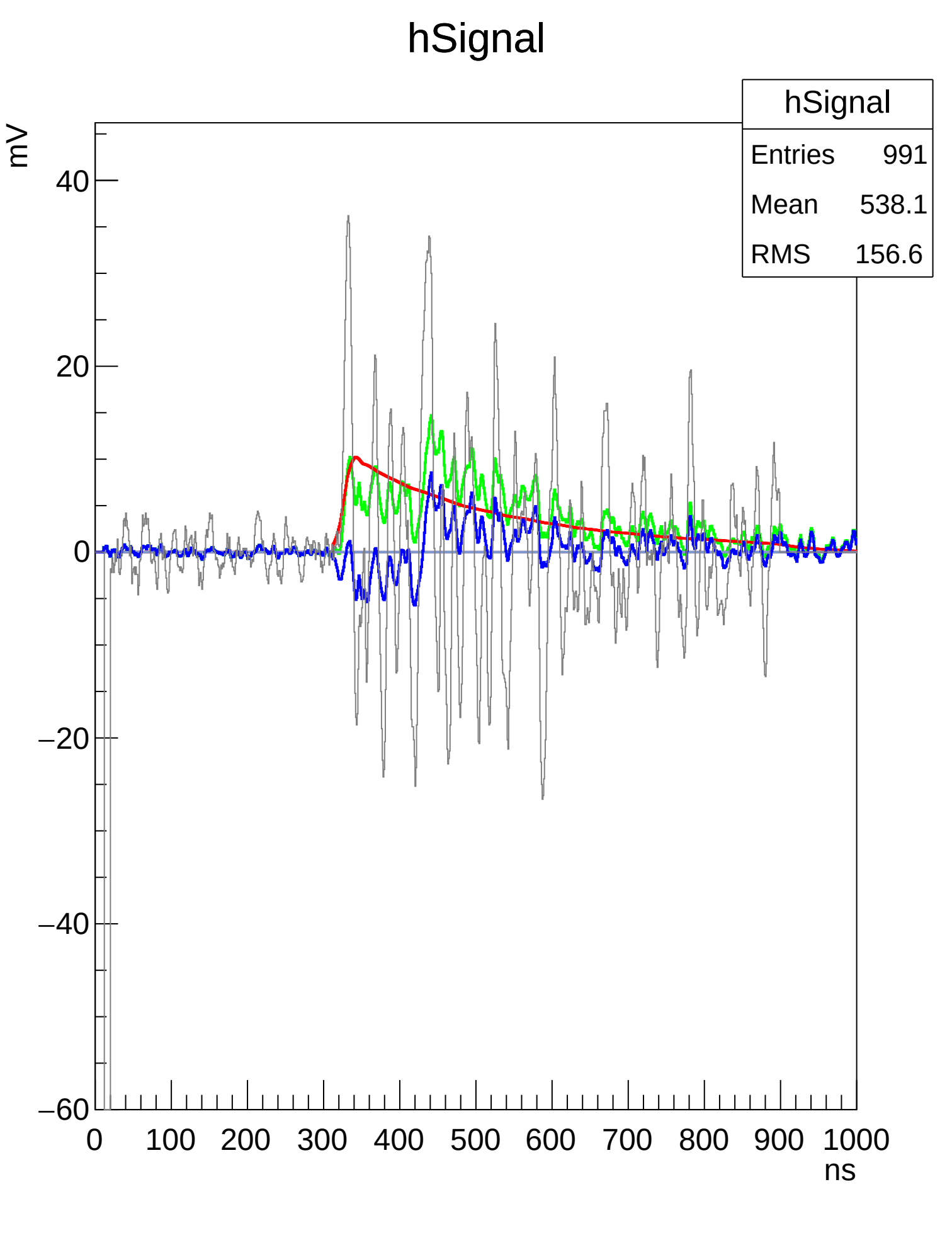
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 156.6
mV
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−20
−40
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600
700
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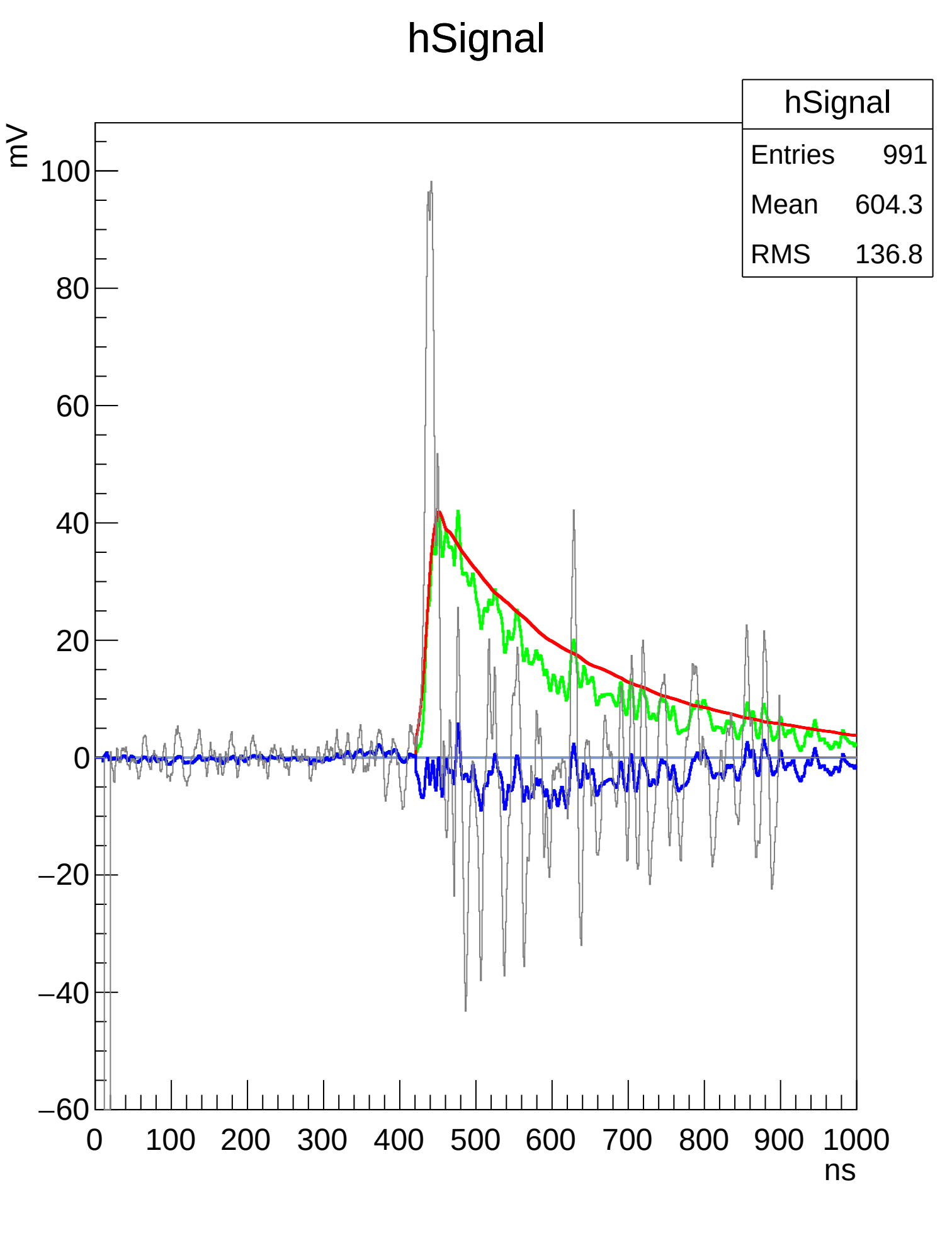
1000
ns


hSignal
hSignal
Entries 991
Mean 604.3
RMS 136.8
mV
100
80
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−40
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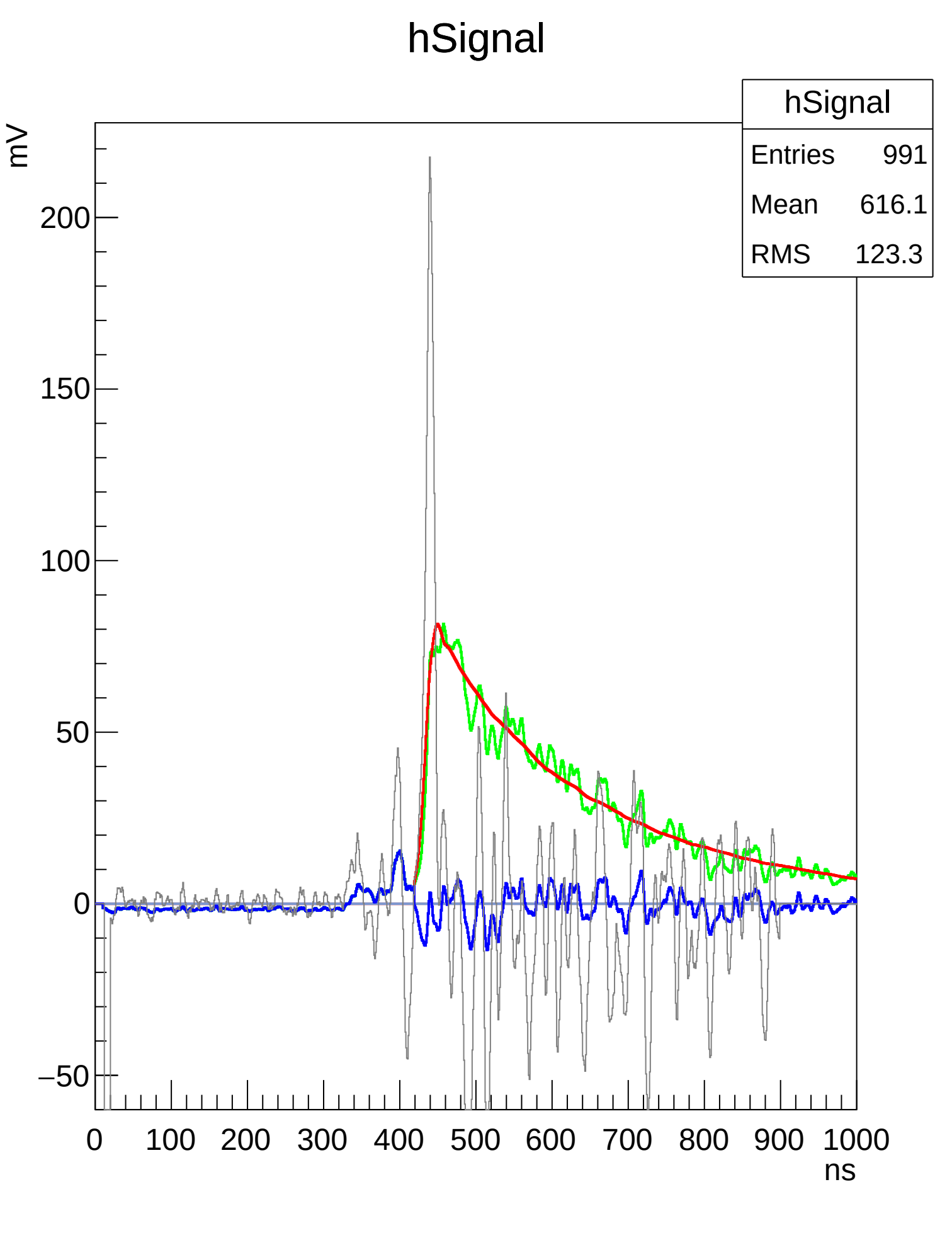
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.1
RMS 123.3
mV
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100
50
0
−50
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100
200
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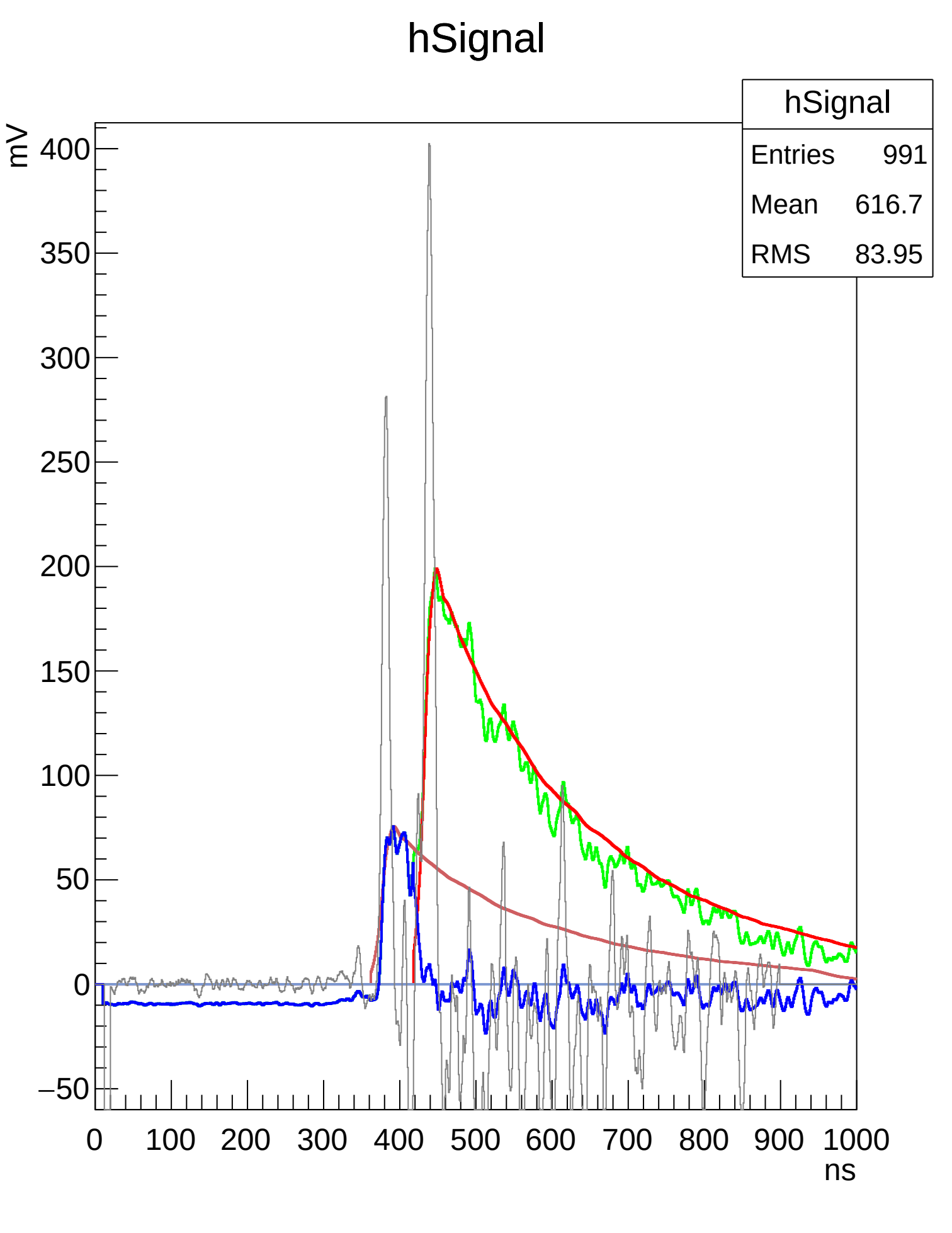
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.7
RMS 83.95
mV
400
350
300
250
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100
50
0
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700
800
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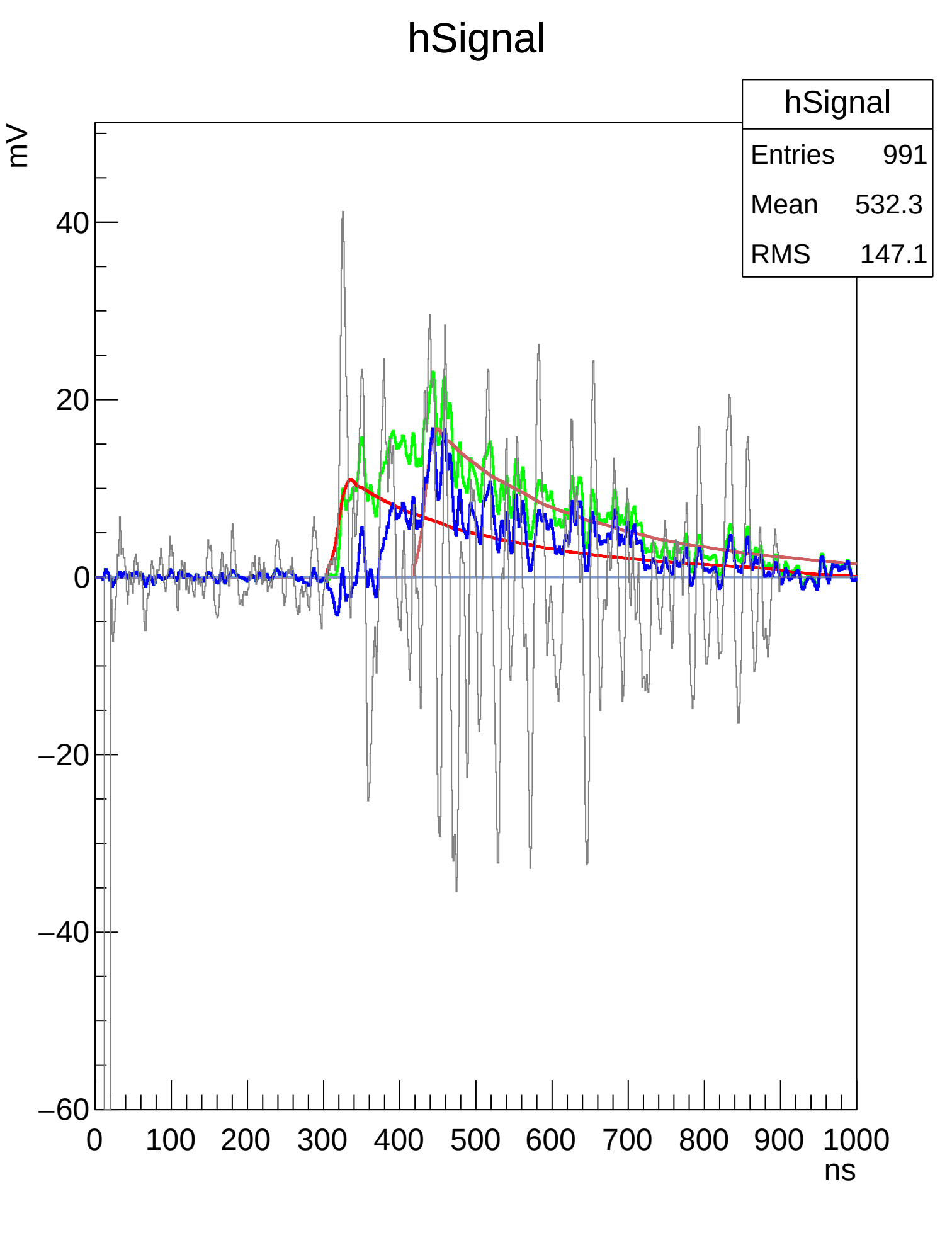
1000
ns


hSignal
hSignal
Entries 991
Mean 532.3
RMS 147.1
mV
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0
−20
−40
−60
0
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200
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900
1000
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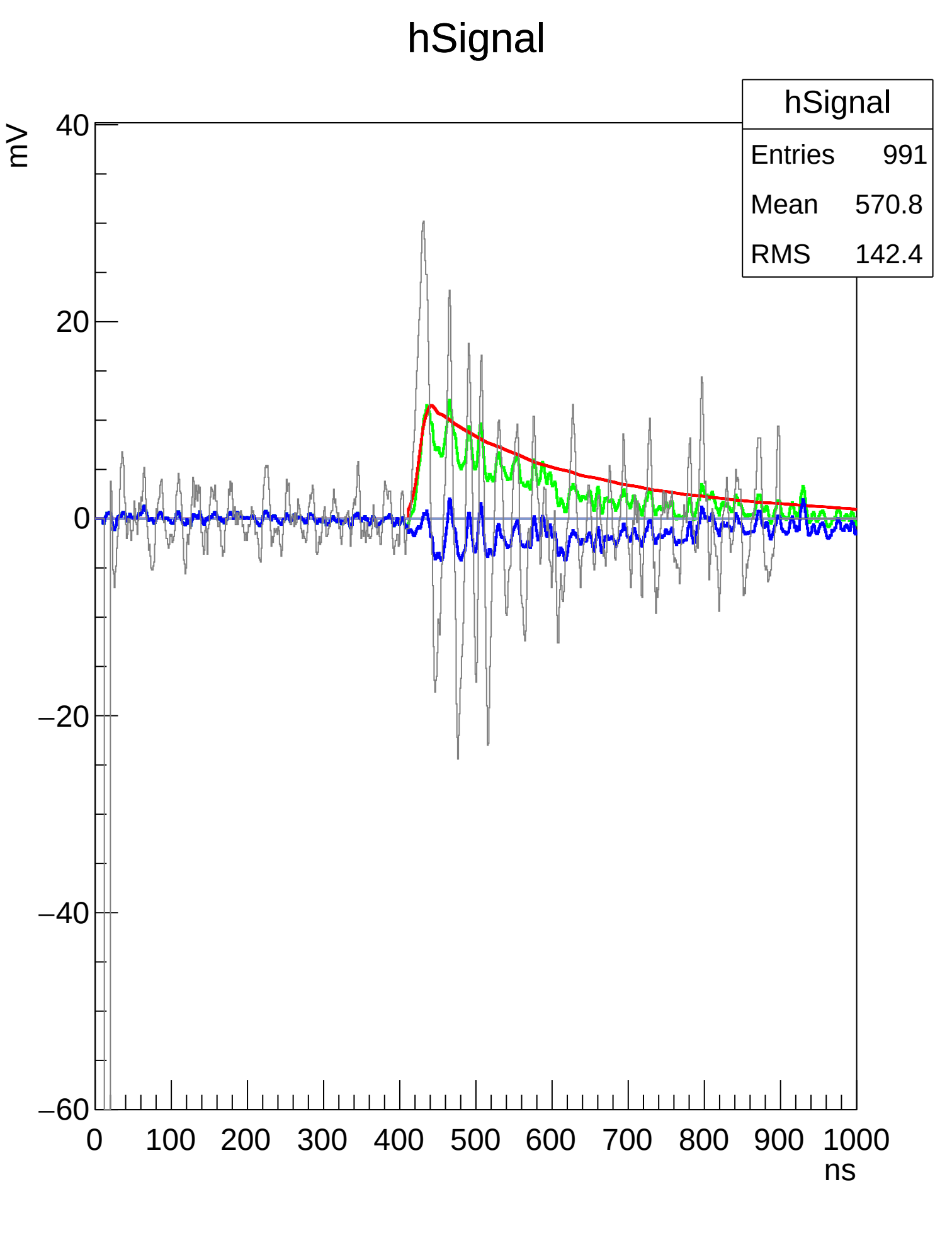
hSignal
hSignal
Entries 991
Mean 570.8
RMS 142.4
mV
40
20
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−20
−40
−60
0
100
200
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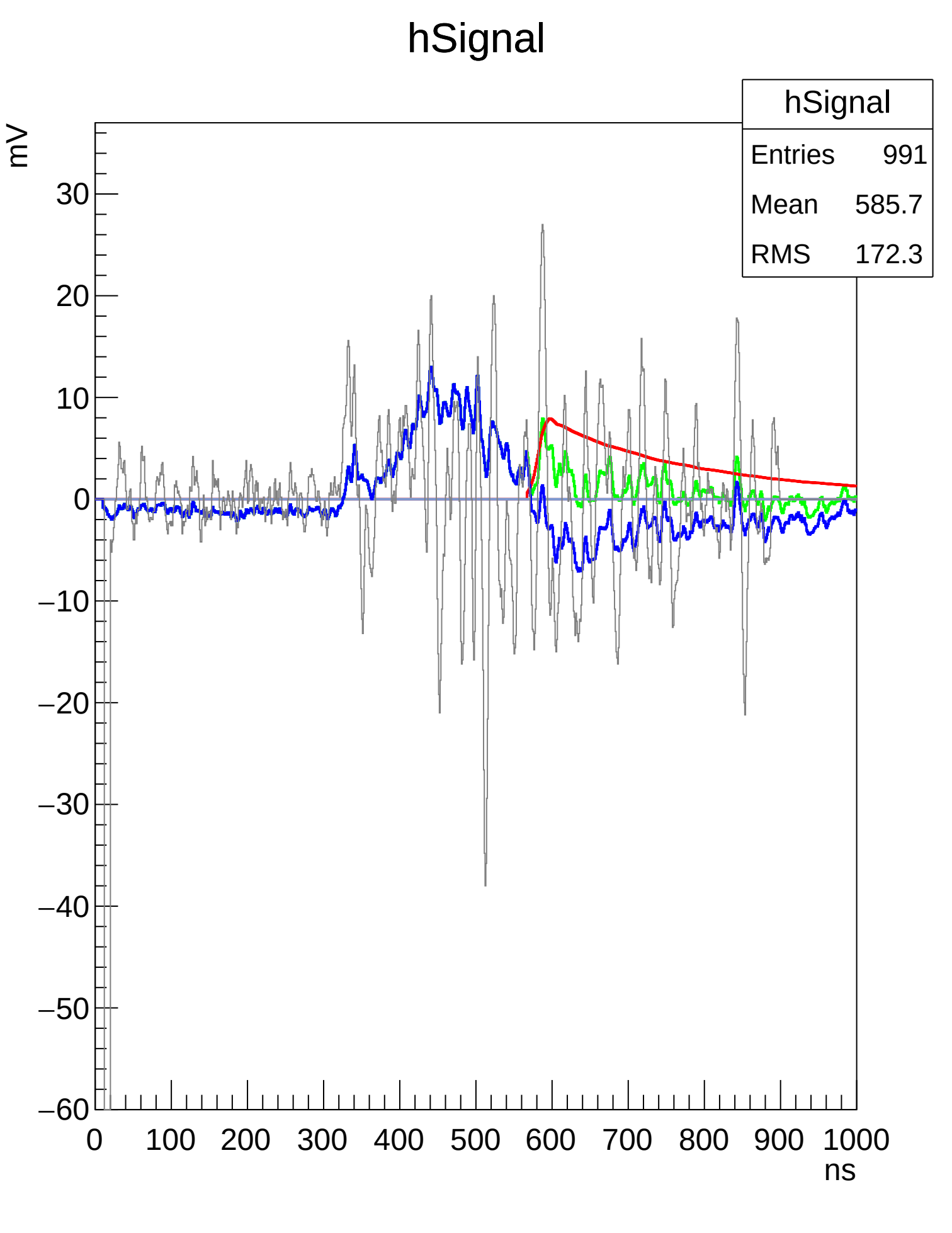
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.7
RMS 172.3
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
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200
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400
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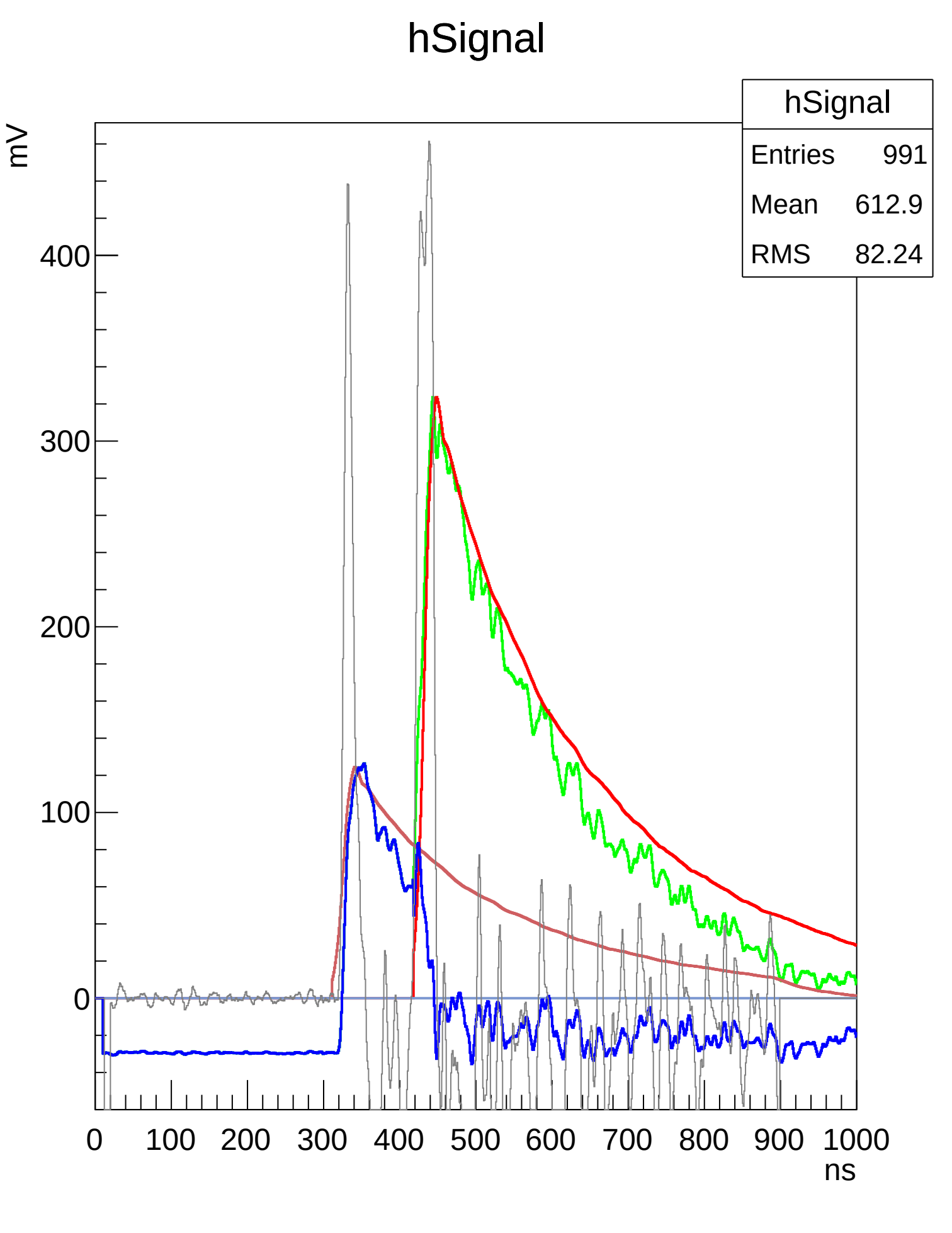
1000
ns


hSignal
hSignal
Entries 991
Mean 612.9
RMS 82.24
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300
200
100
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0
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200
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400
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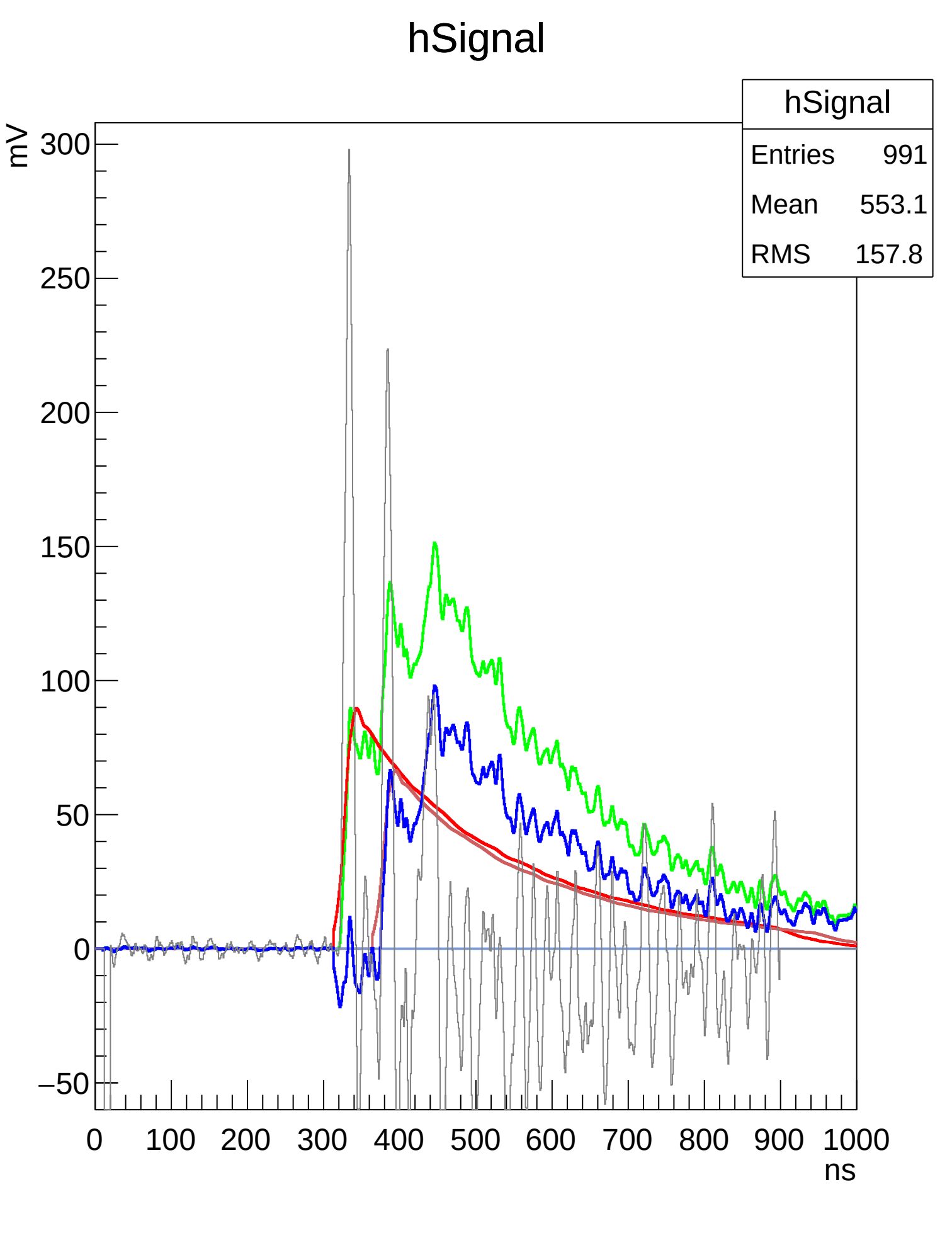
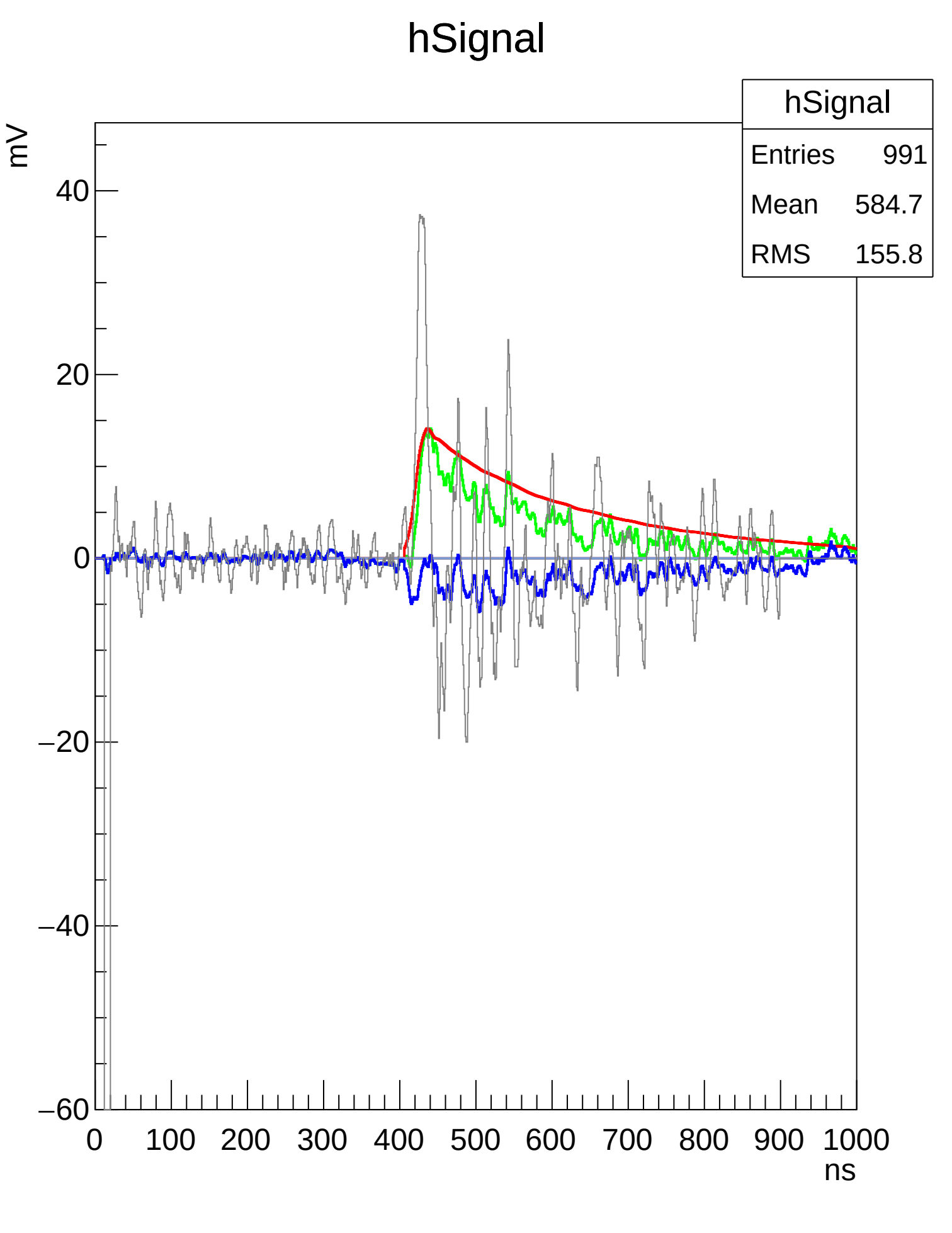
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.1
RMS 157.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.7
RMS 155.8
mV
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−20
−40
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0
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1000
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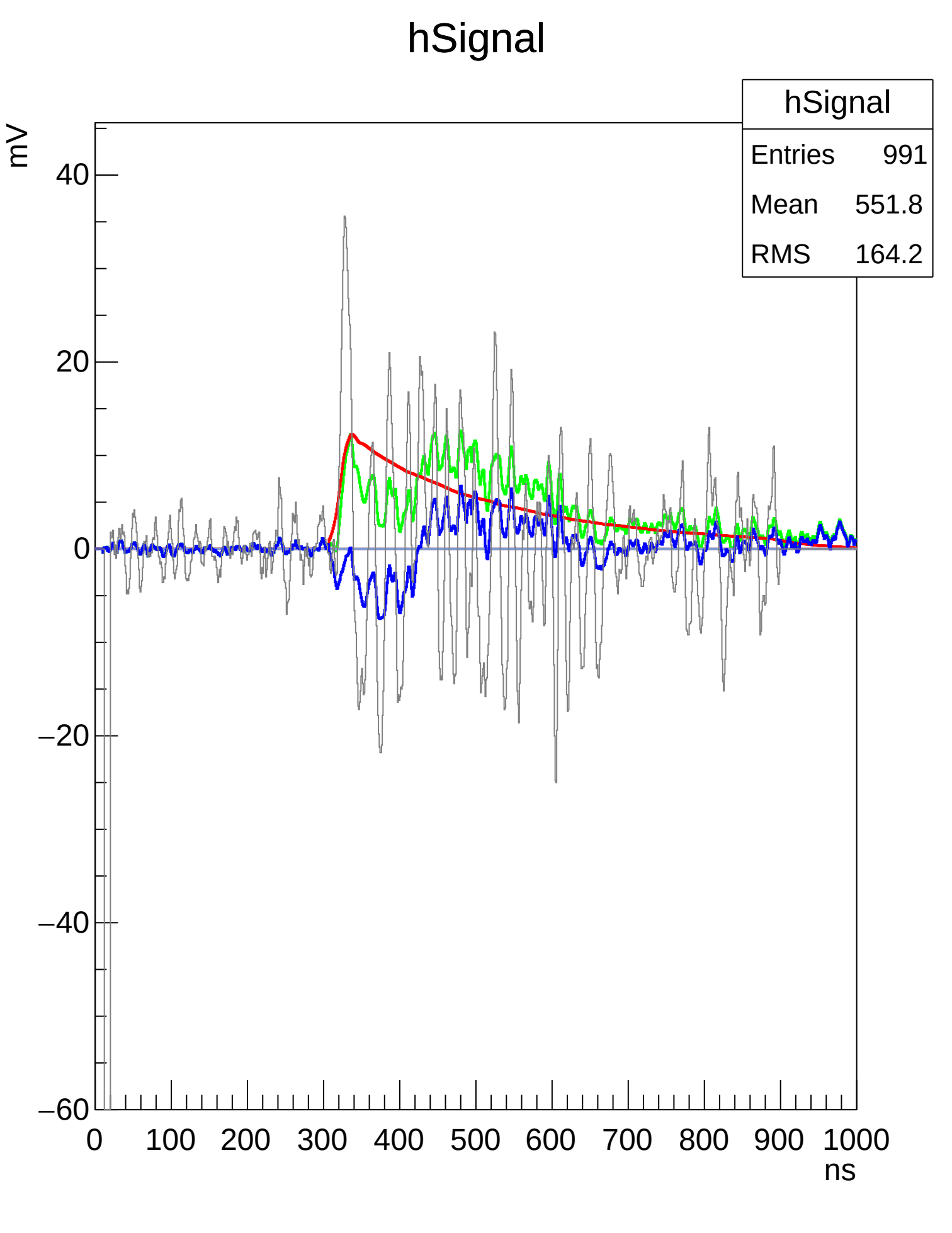
hSignal
hSignal
Entries 991
Mean 551.8
RMS 164.2
mV
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−20
−40
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0
100
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800
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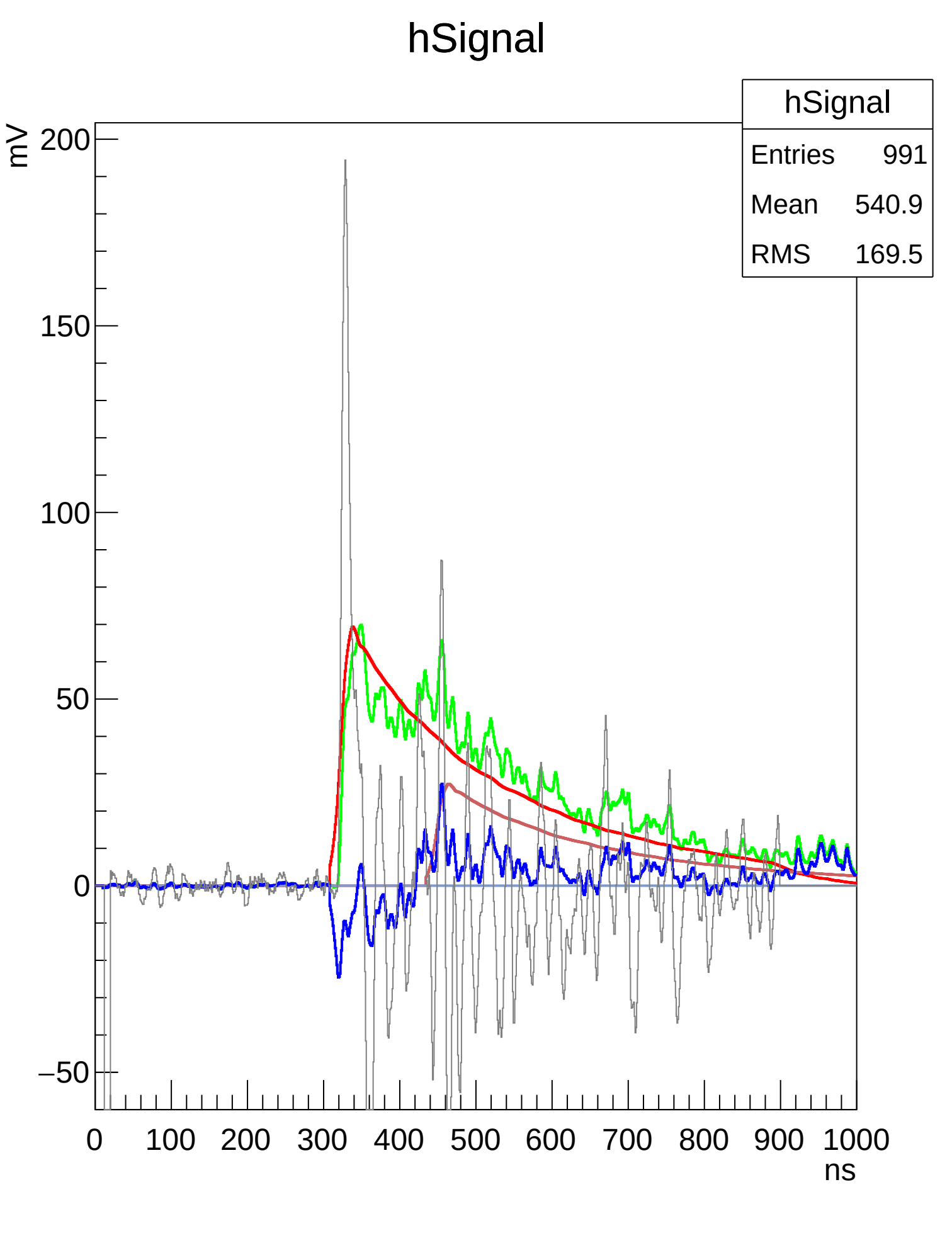
1000
ns


hSignal
hSignal
Entries 991
Mean 540.9
RMS 169.5
mV
200
150
100
50
0
−50
0
100
200
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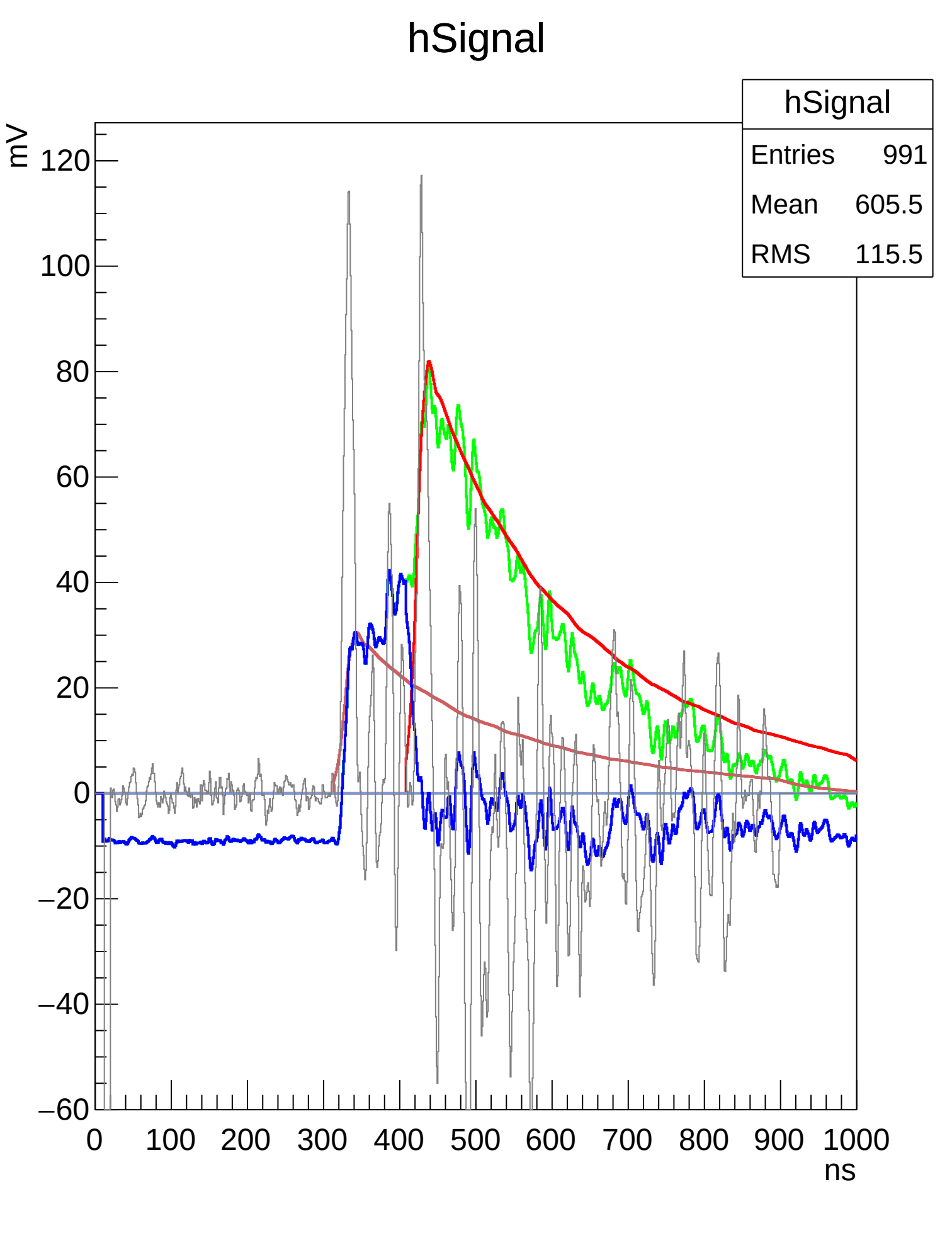
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.5
RMS 115.5
mV
120
100
80
60
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−20
−40
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0
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200
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400
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800
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1000
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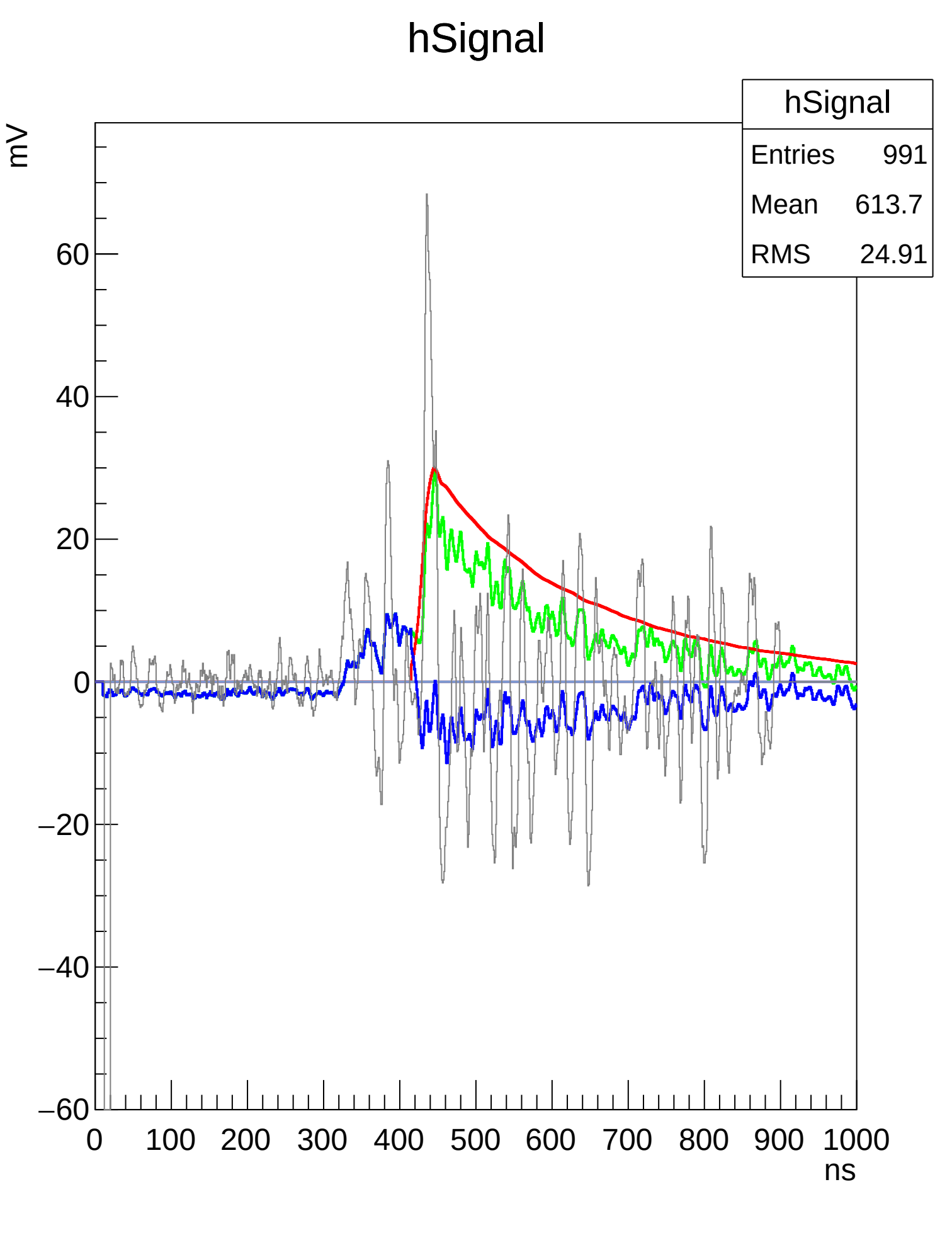
hSignal
hSignal
Entries 991
Mean 613.7
RMS 24.91
mV
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−20
−40
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400
500
600
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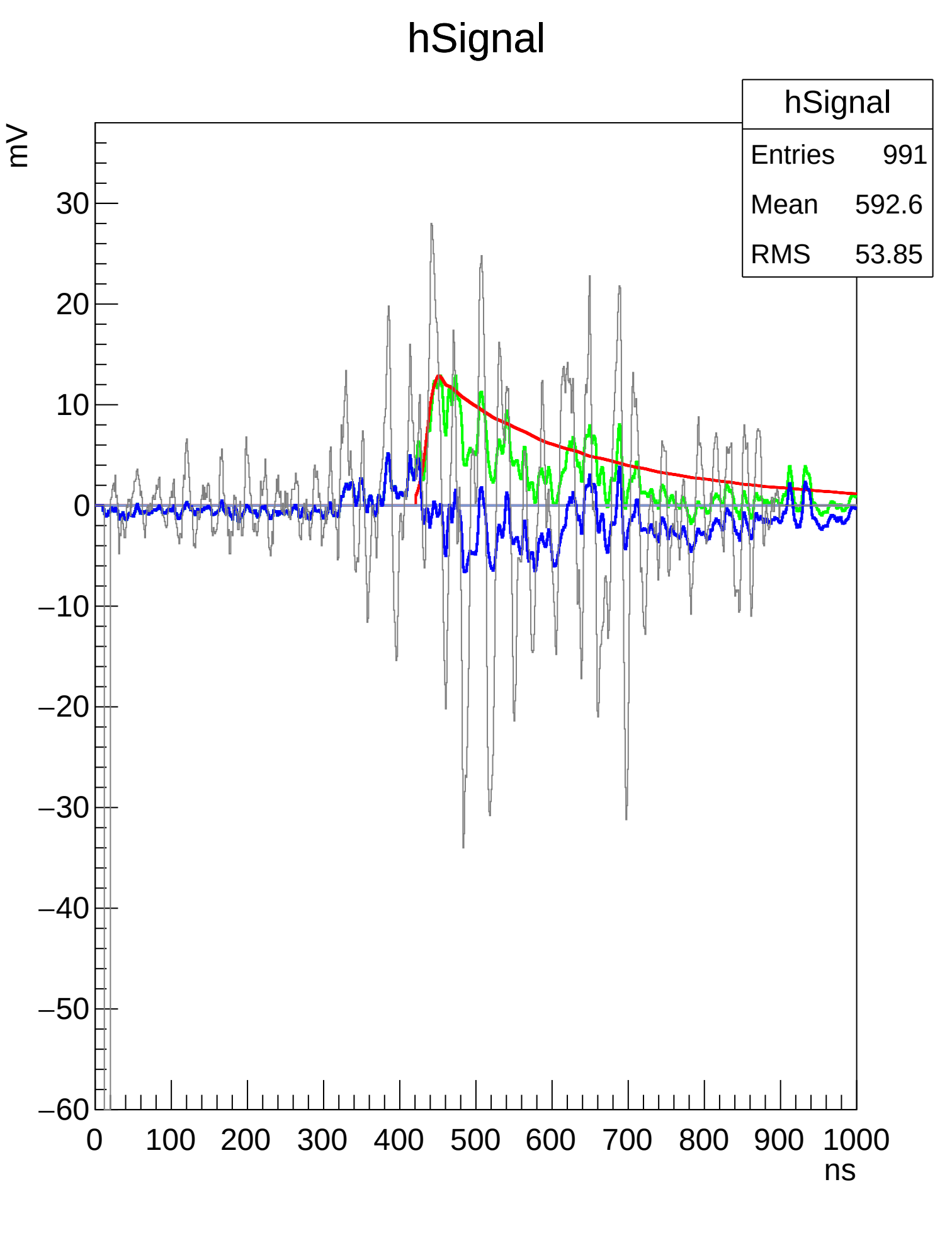
hSignal
hSignal
Entries 991
Mean 592.6
RMS 53.85
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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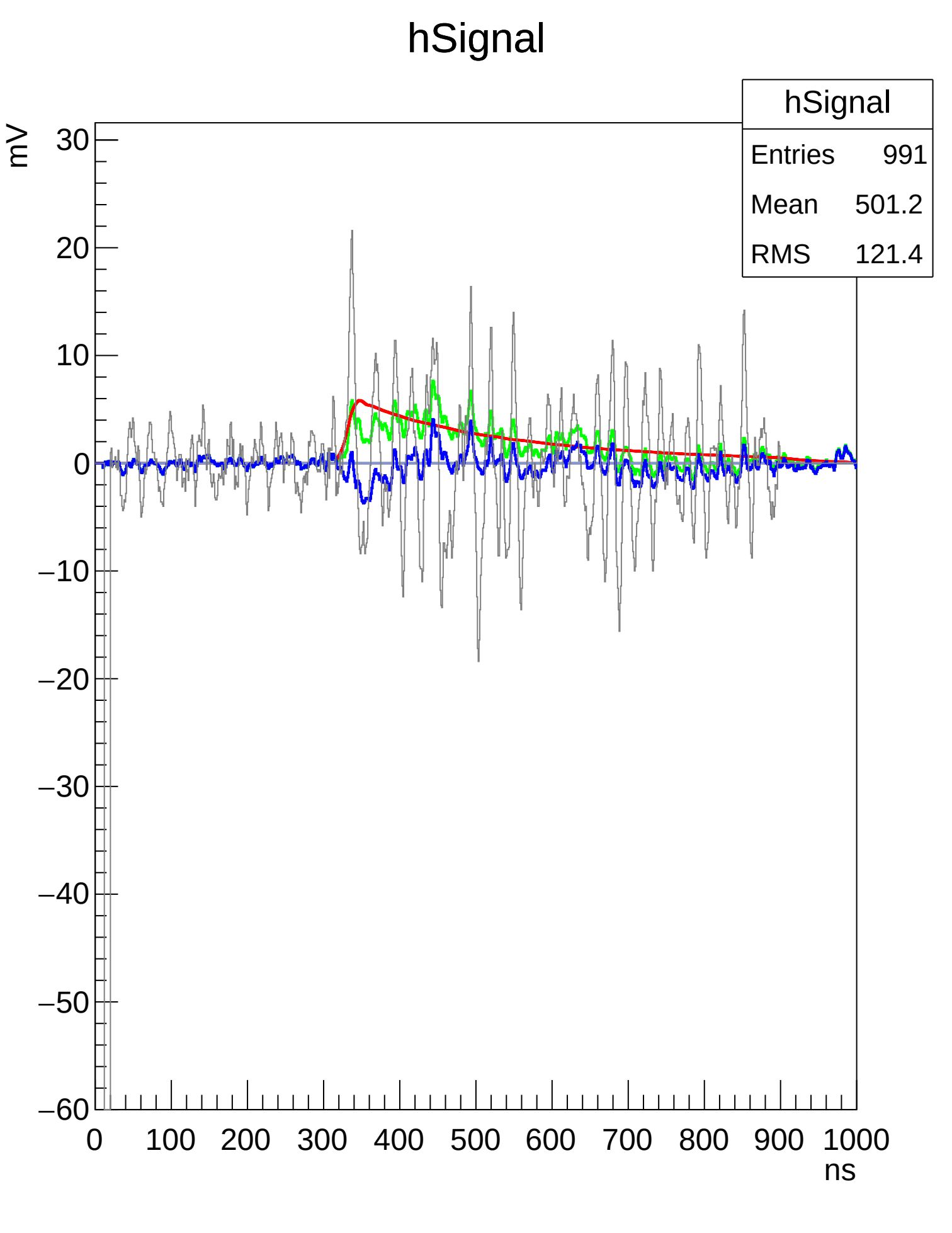
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.2
RMS 121.4
mV
30
20
10
0
−10
−20
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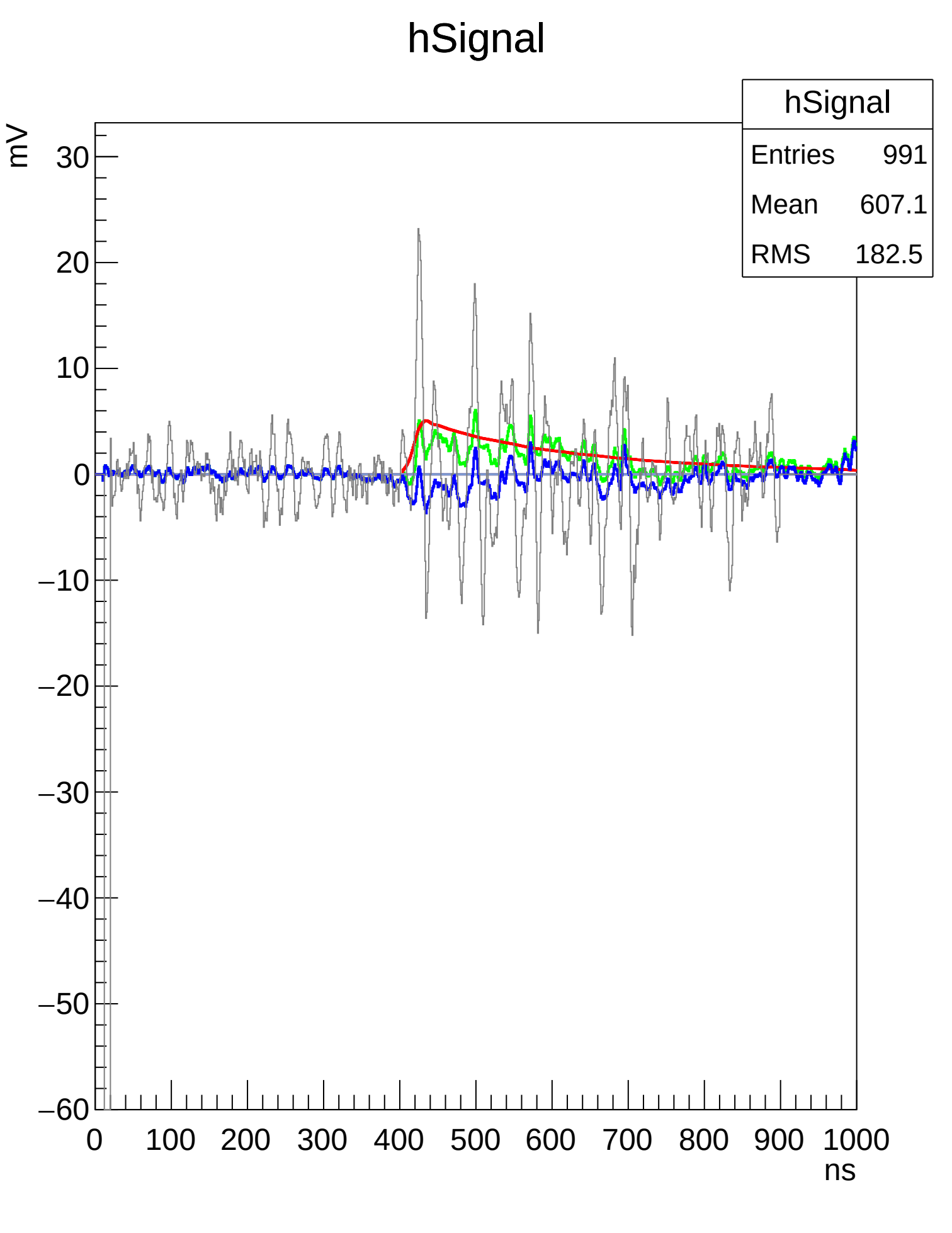
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.1
RMS 182.5
mV
30
20
10
0
−10
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−40
−50
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0
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200
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400
500
600
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800
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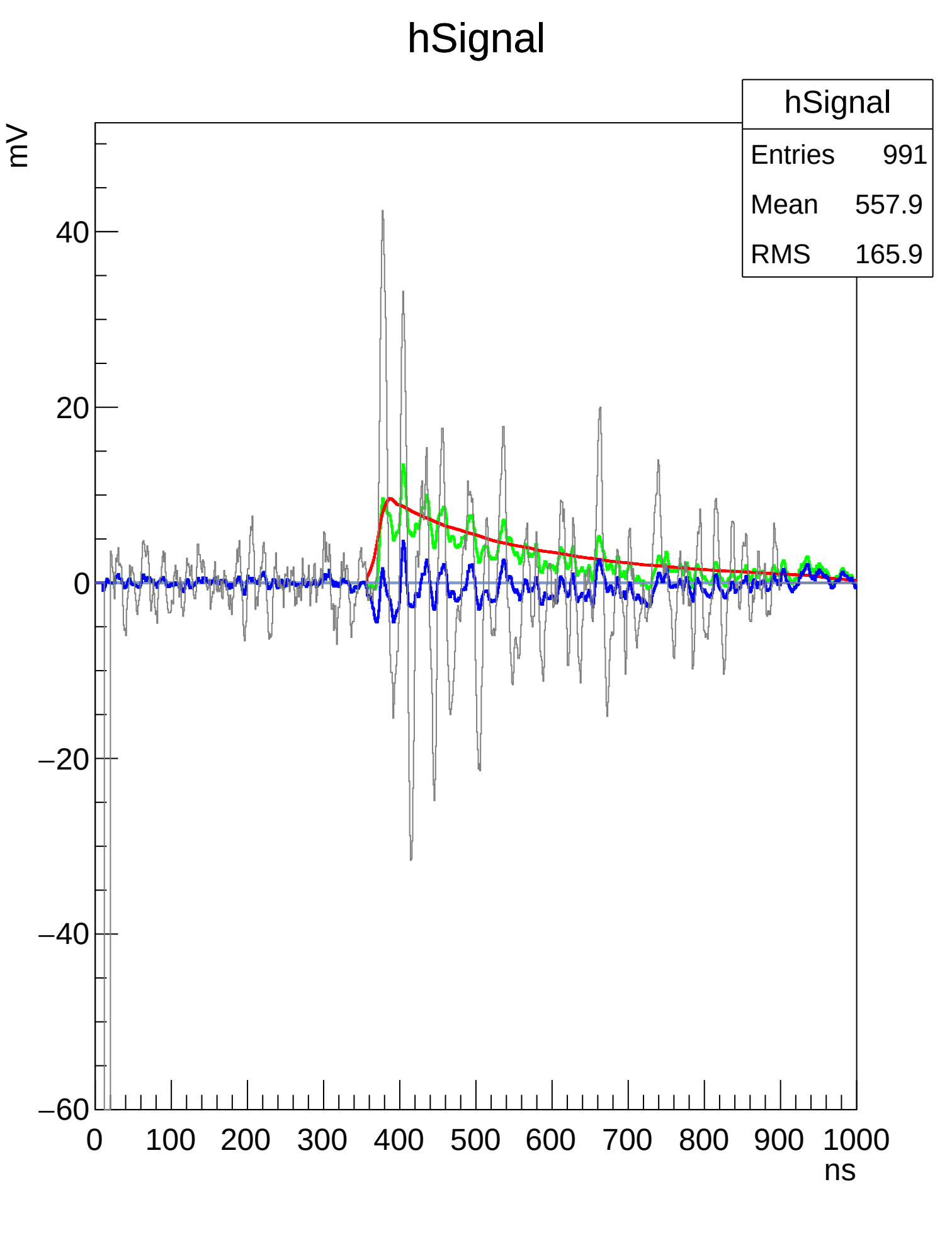
1000
ns


hSignal
hSignal
Entries 991
Mean 557.9
RMS 165.9
mV
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−20
−40
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0
100
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600
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800
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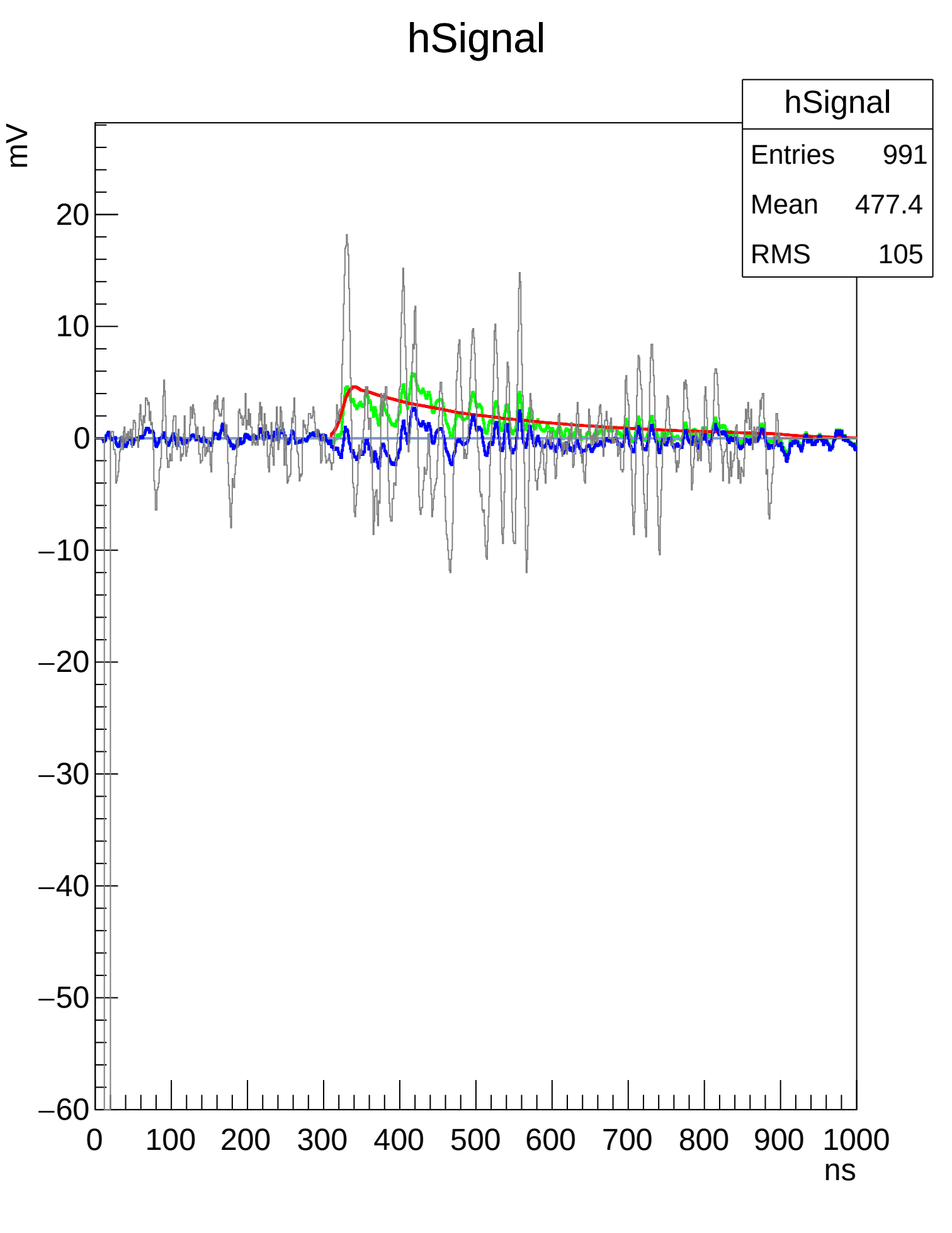
1000
ns


hSignal
hSignal
Entries 991
Mean 477.4
RMS 105
mV
20
10
0
−10
−20
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−40
−50
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0
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400
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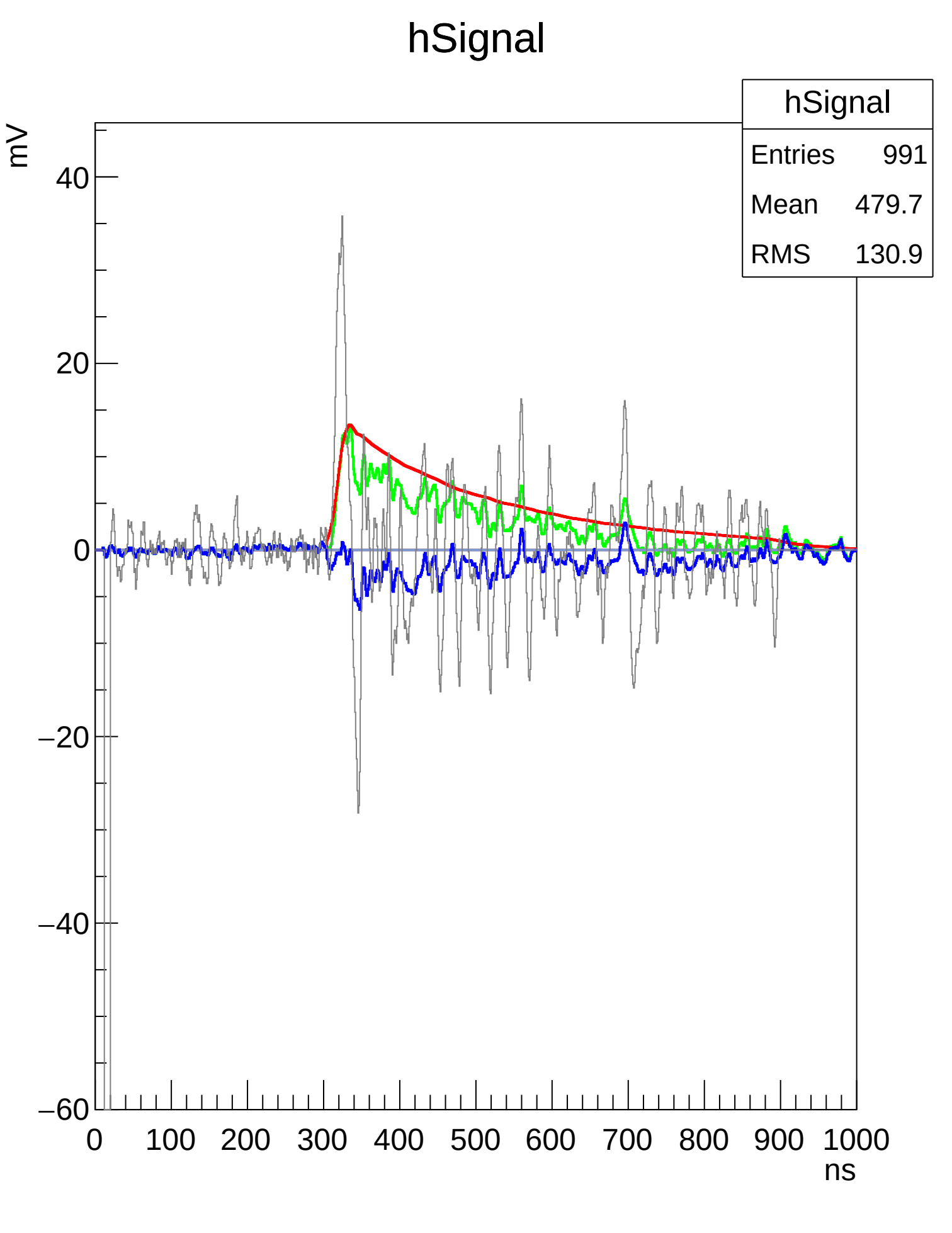
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.7
RMS 130.9
mV
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−20
−40
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0
100
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1000
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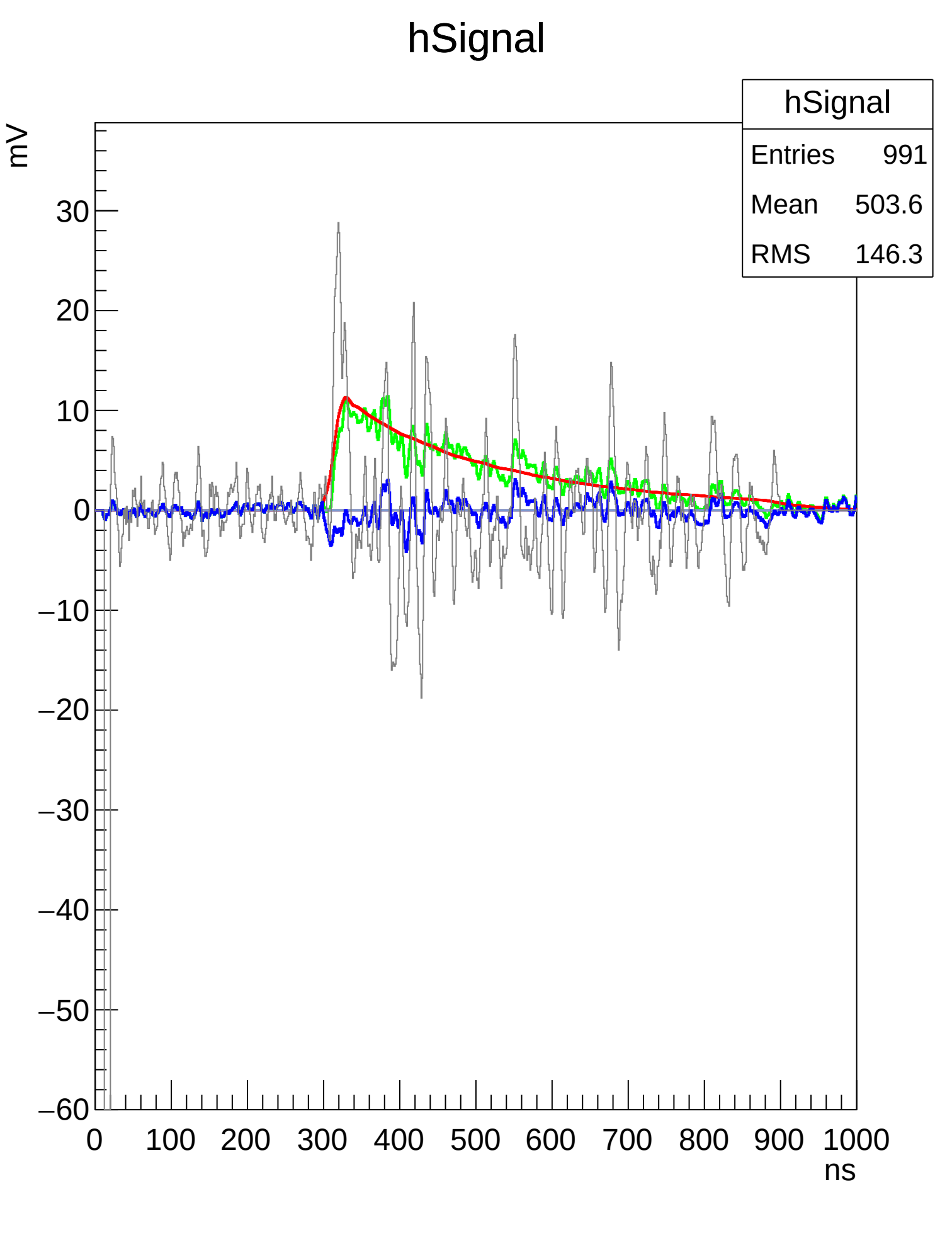
hSignal
hSignal
Entries 991
Mean 503.6
RMS 146.3
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
500
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800
900
1000
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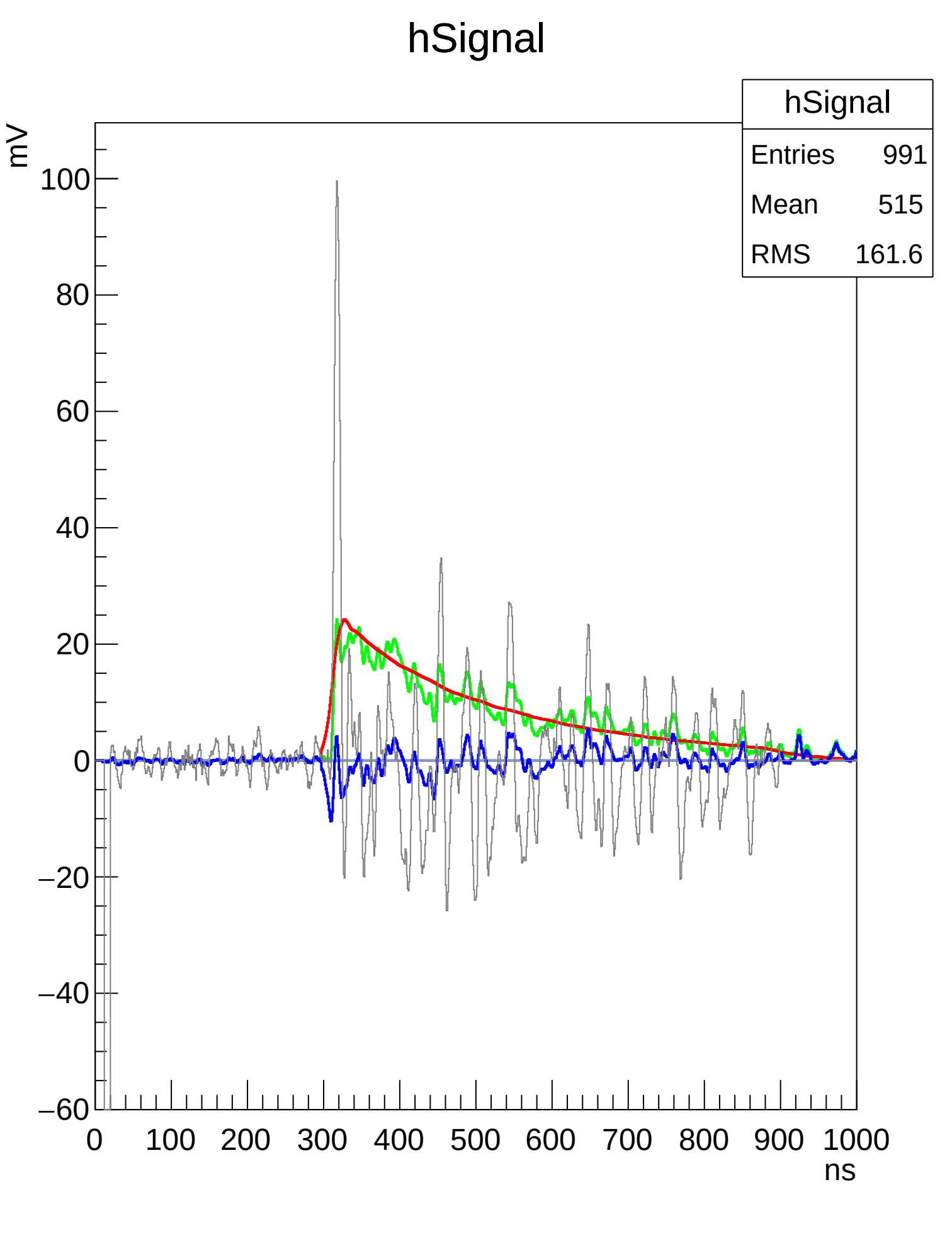
hSignal
hSignal
Entries 991
Mean 515
RMS 161.6
mV
100
80
60
40
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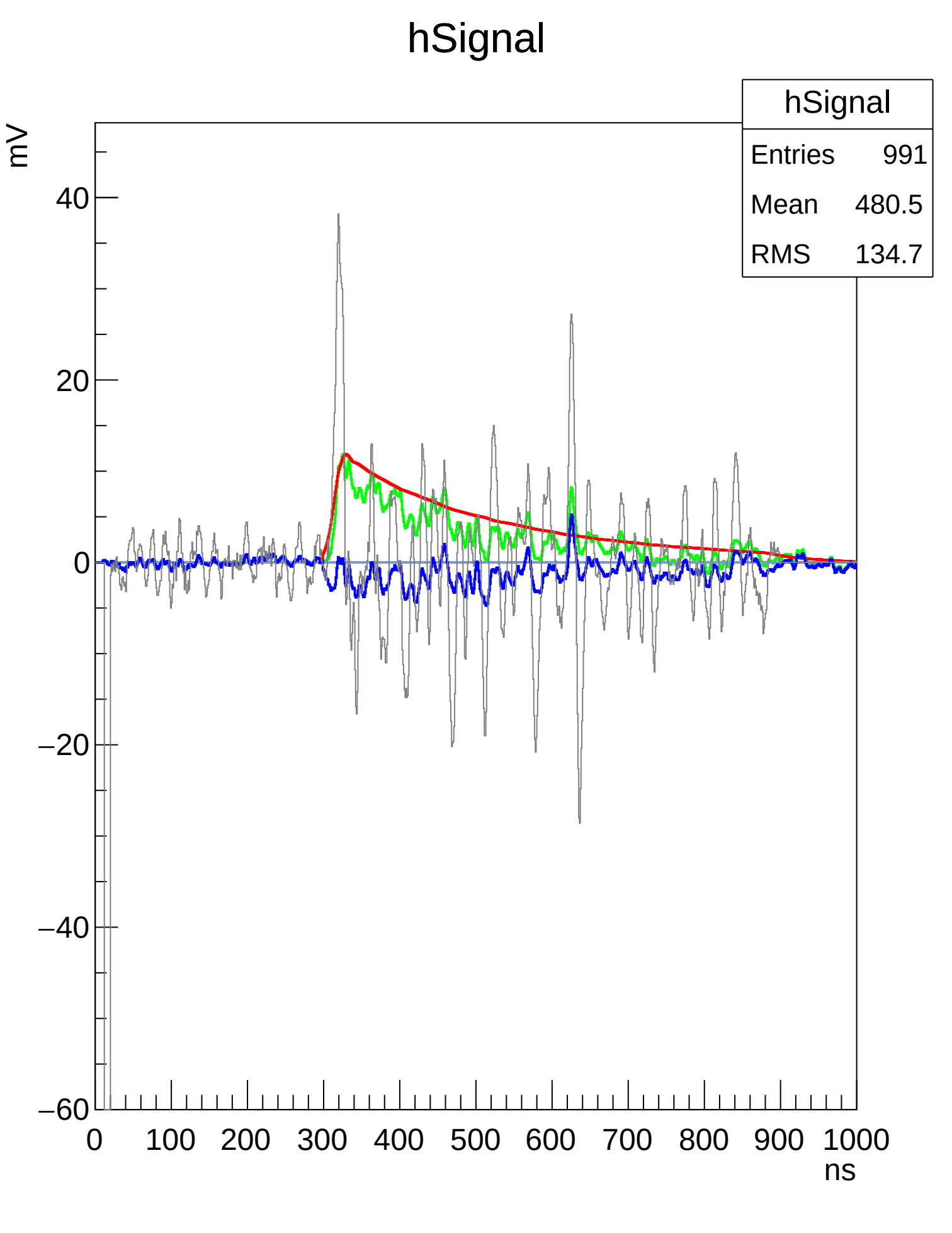
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.5
RMS 134.7
mV
40
20
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−20
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0
100
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600
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800
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1000
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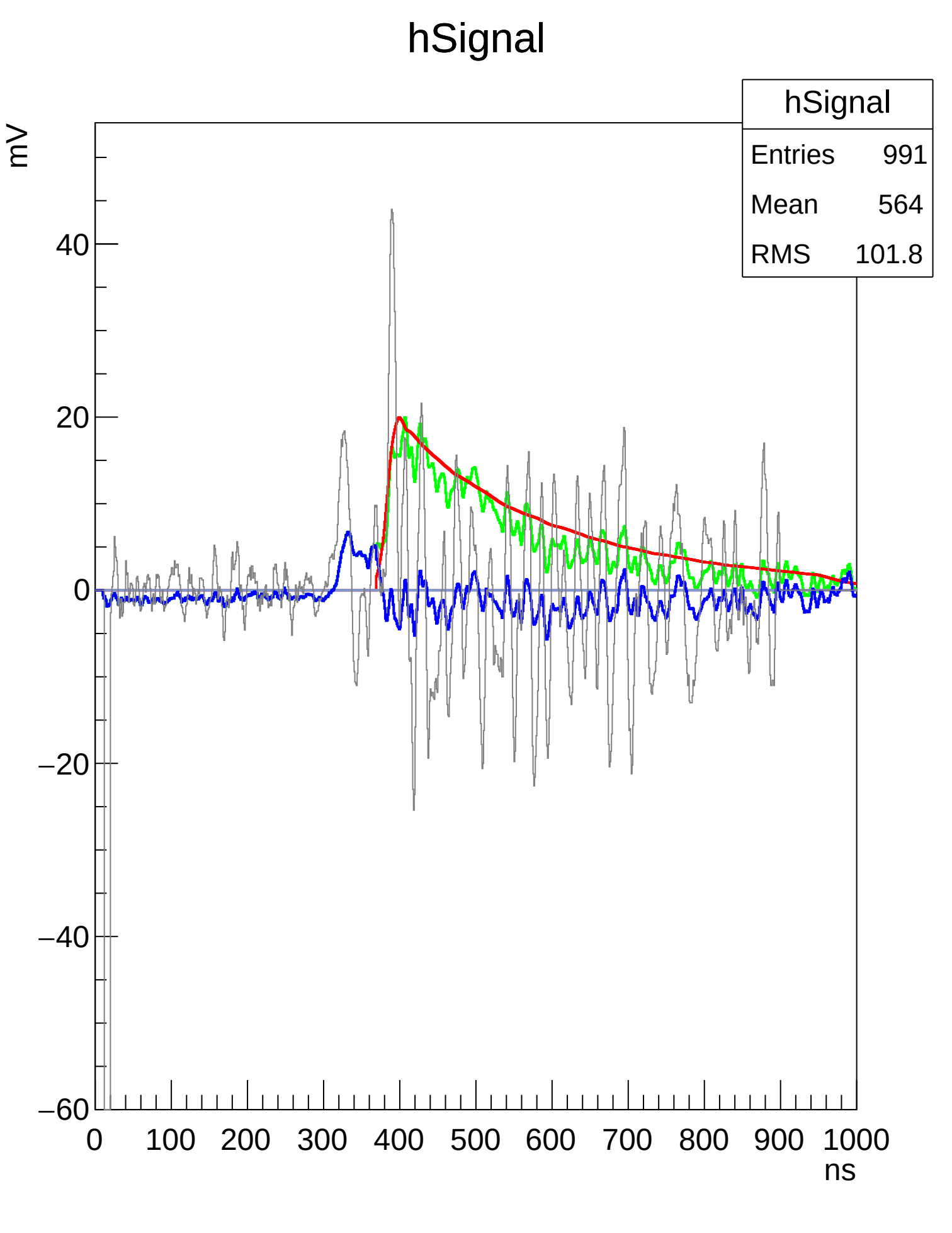
hSignal
hSignal
Entries 991
Mean 564
RMS 101.8
mV
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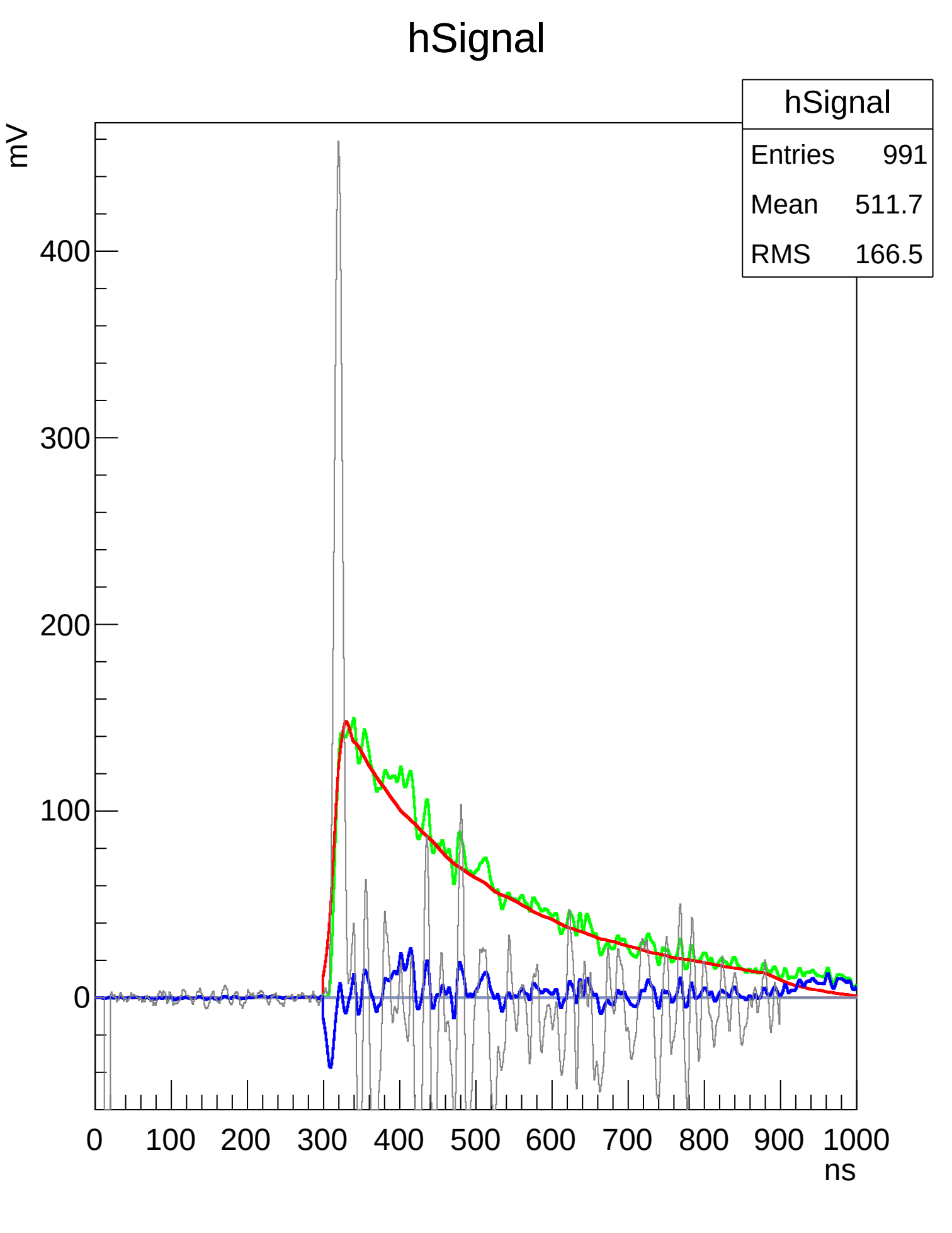
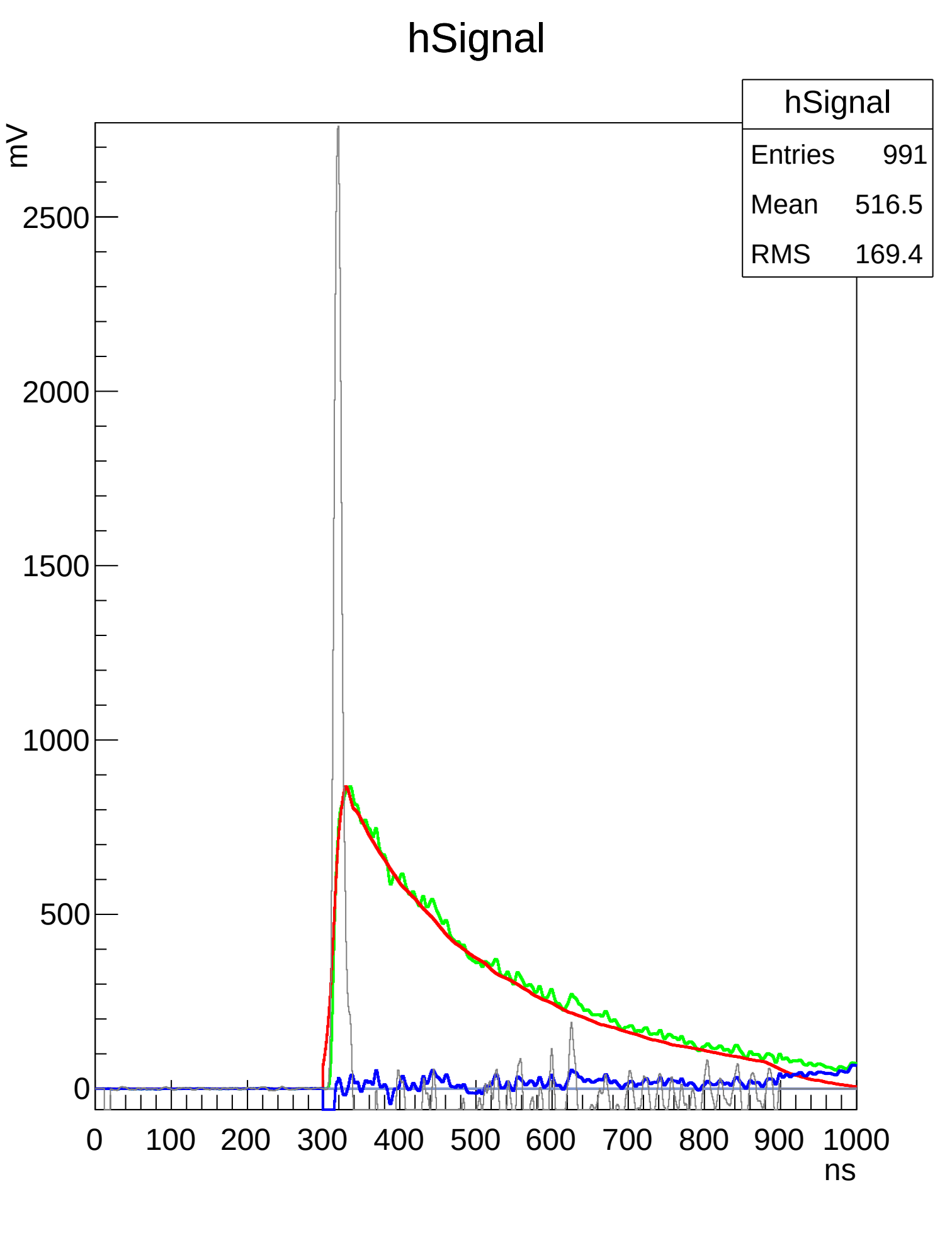

hSignal
hSignal
Entries 991
Mean 511.7
RMS 166.5
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 516.5
RMS 169.4
mV
2500
2000
1500
1000
500
0
0
100
200
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400
500
600
700
800
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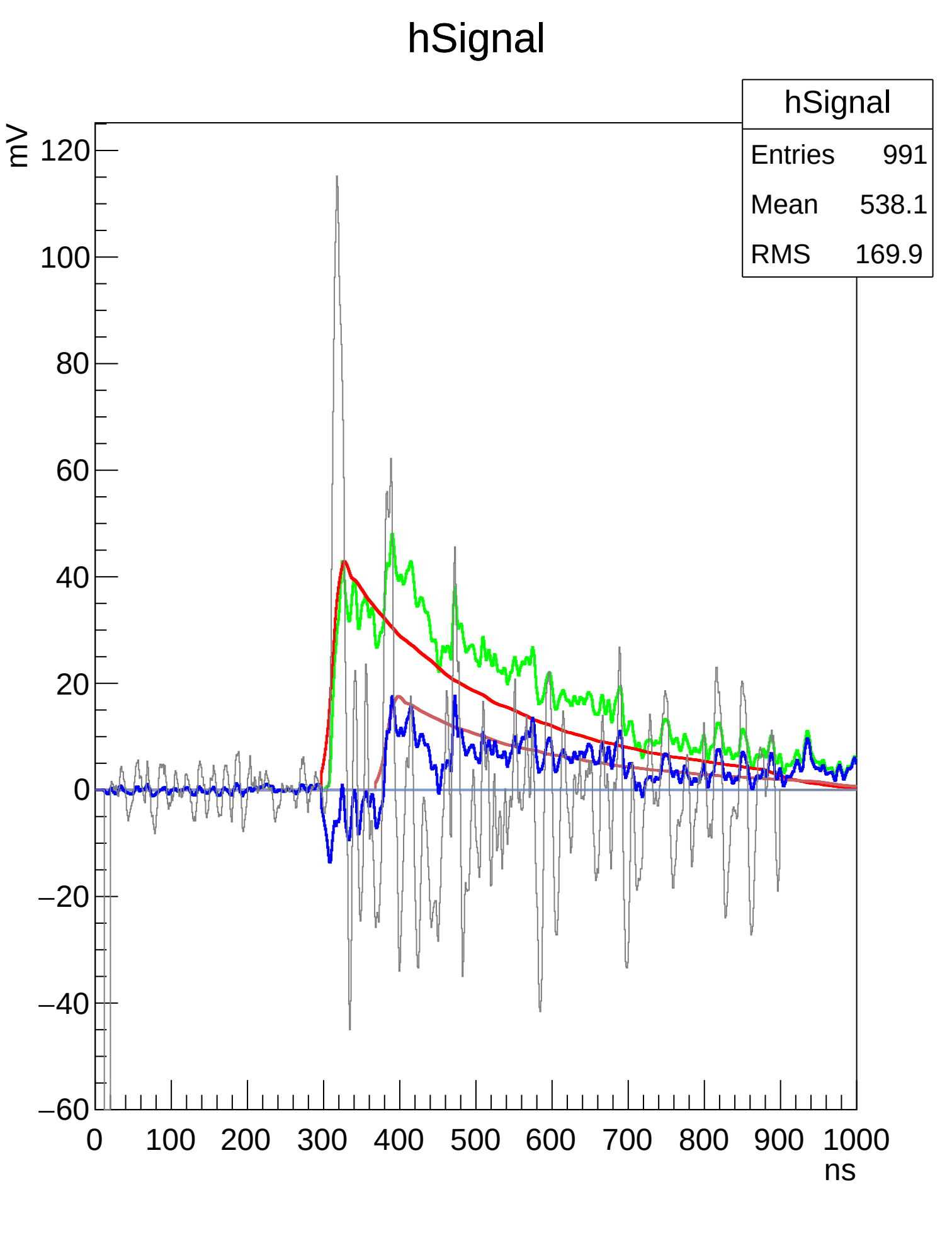
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 169.9
mV
120
100
80
60
40
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−20
−40
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0
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200
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400
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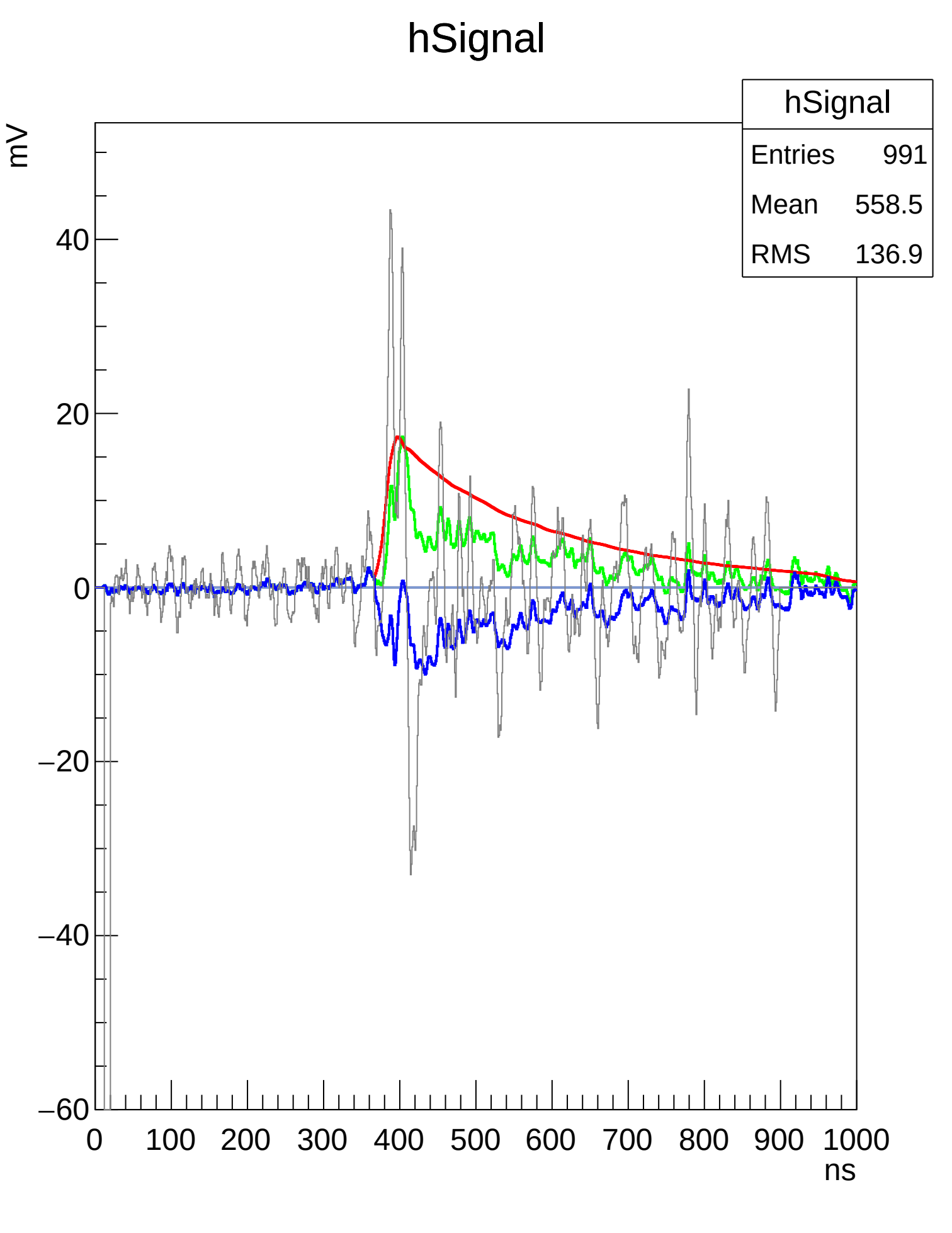
hSignal
hSignal
Entries 991
Mean 558.5
RMS 136.9
mV
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−20
−40
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100
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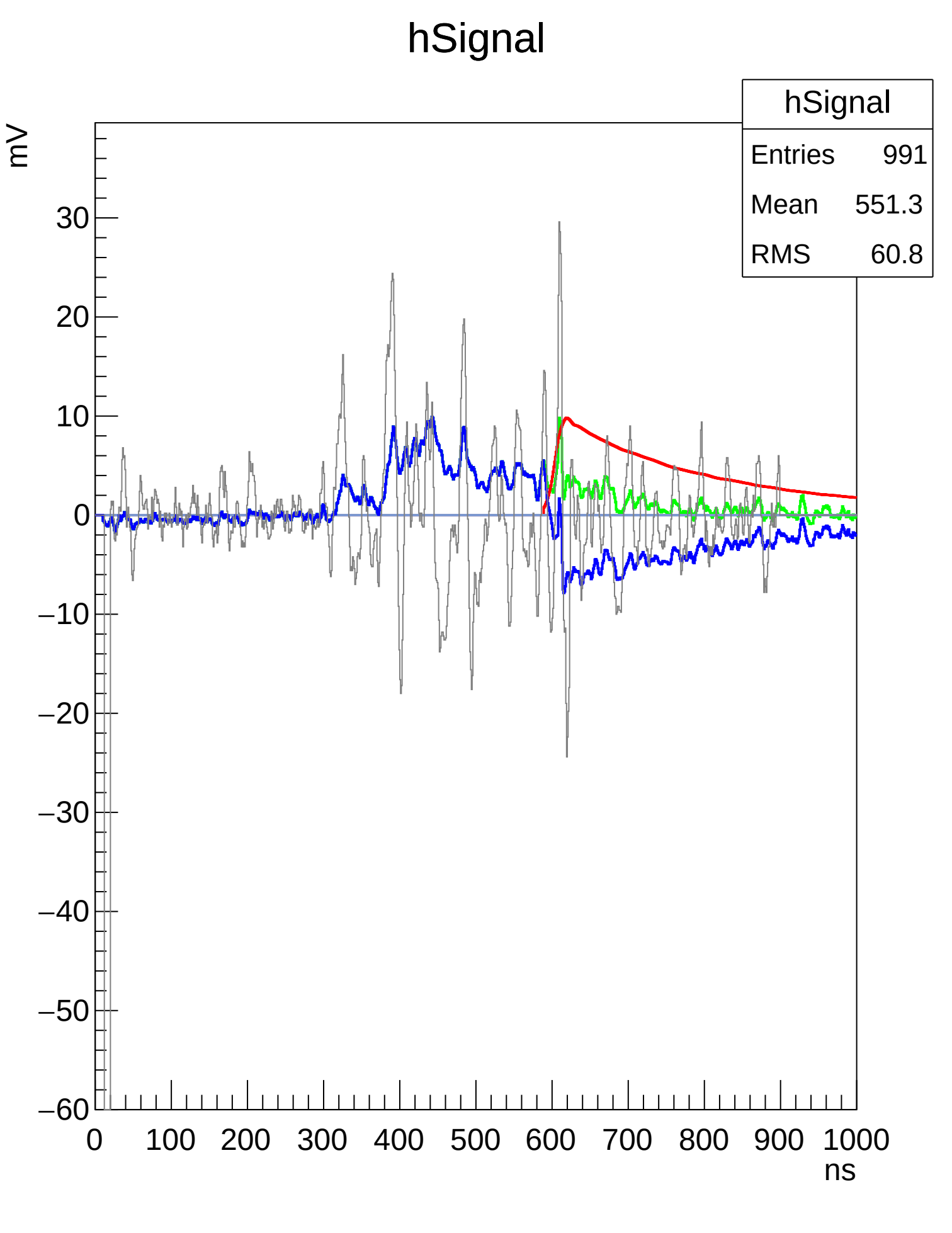
hSignal
hSignal
Entries 991
Mean 551.3
RMS 60.8
mV
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20
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−50
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0
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1000
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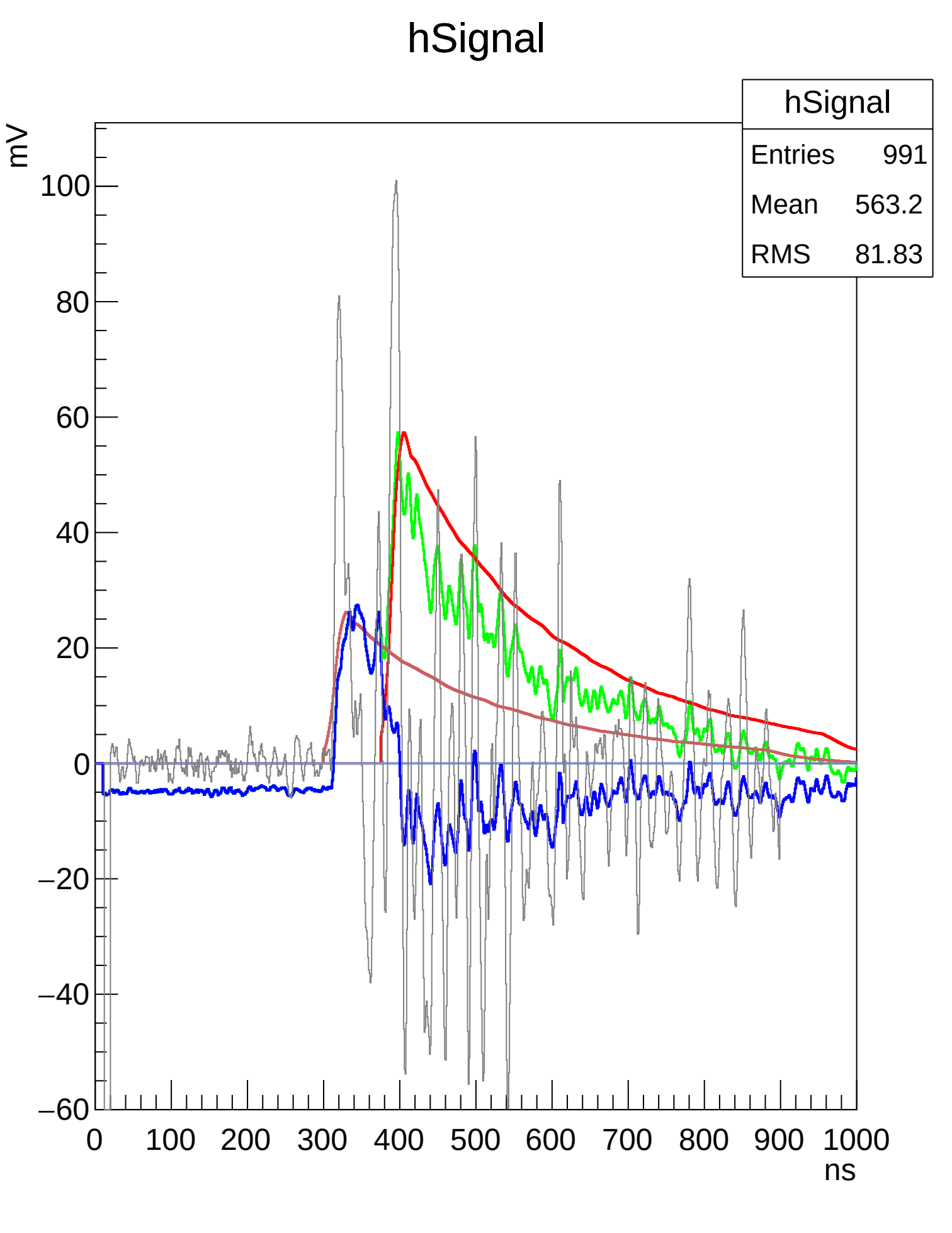
hSignal
hSignal
Entries 991
Mean 563.2
RMS 81.83
mV
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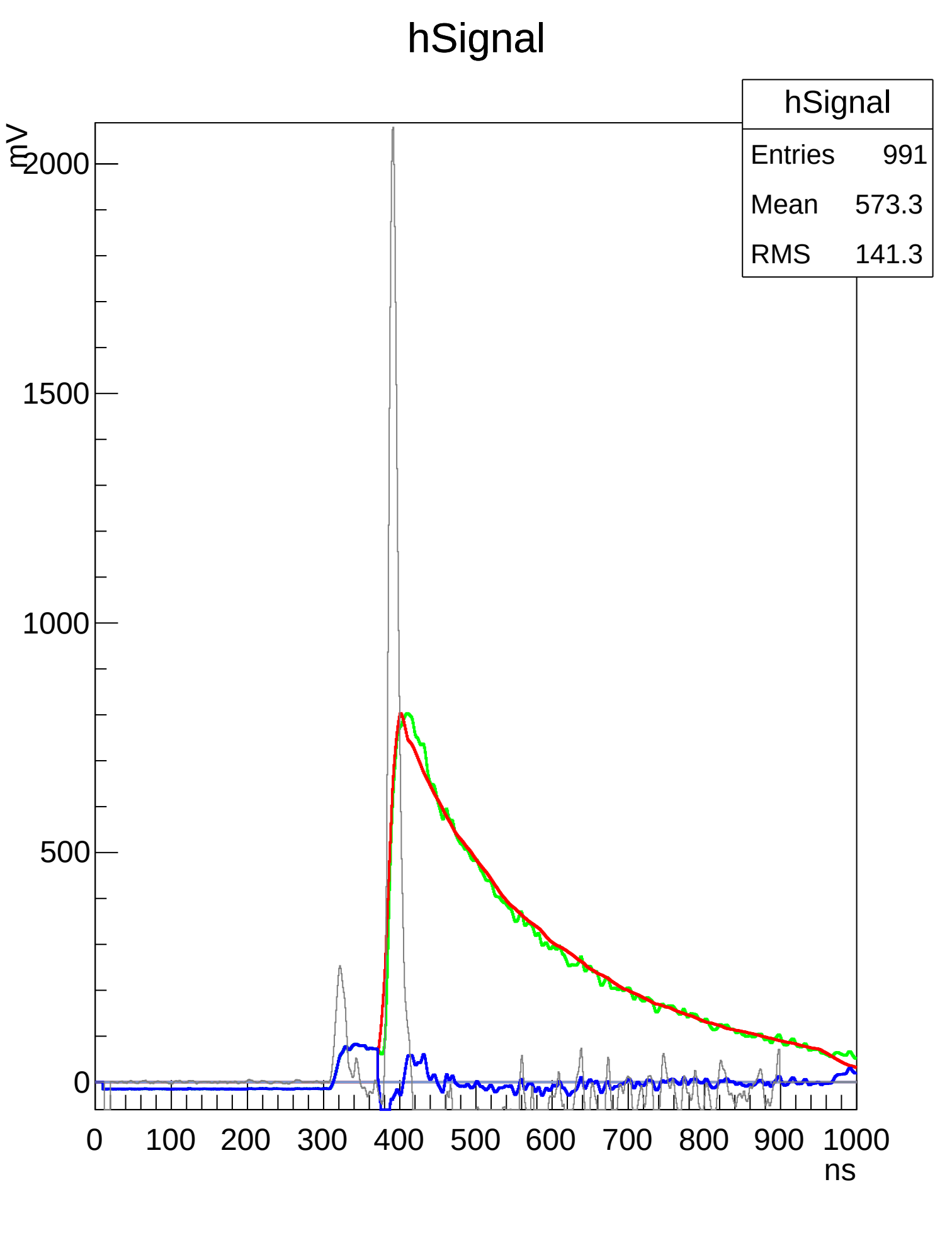
1000
ns


hSignal
hSignal
Entries 991
Mean 573.3
RMS 141.3
mV
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1500
1000
500
0
0
100
200
300
400
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600
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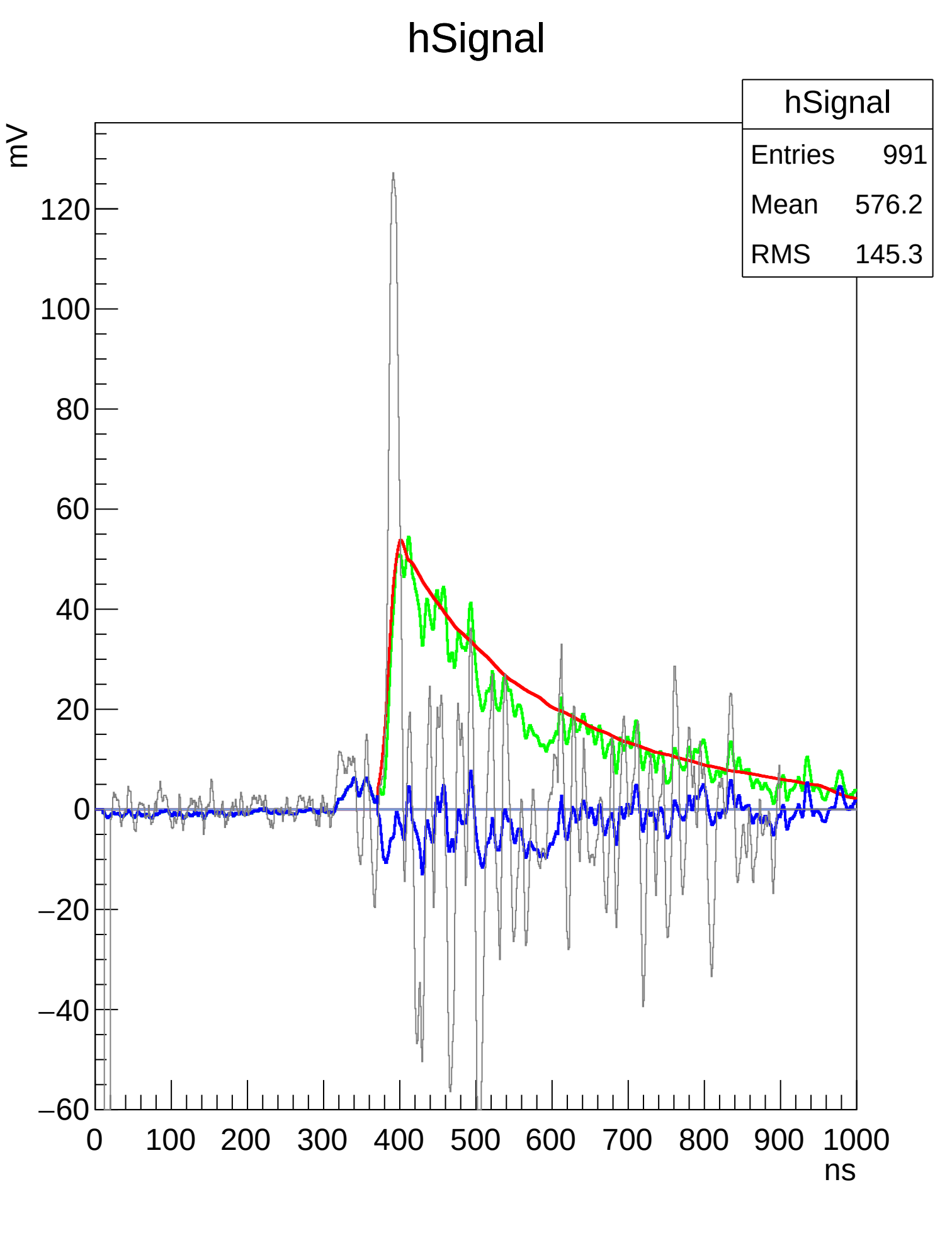
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.2
RMS 145.3
mV
120
100
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1000
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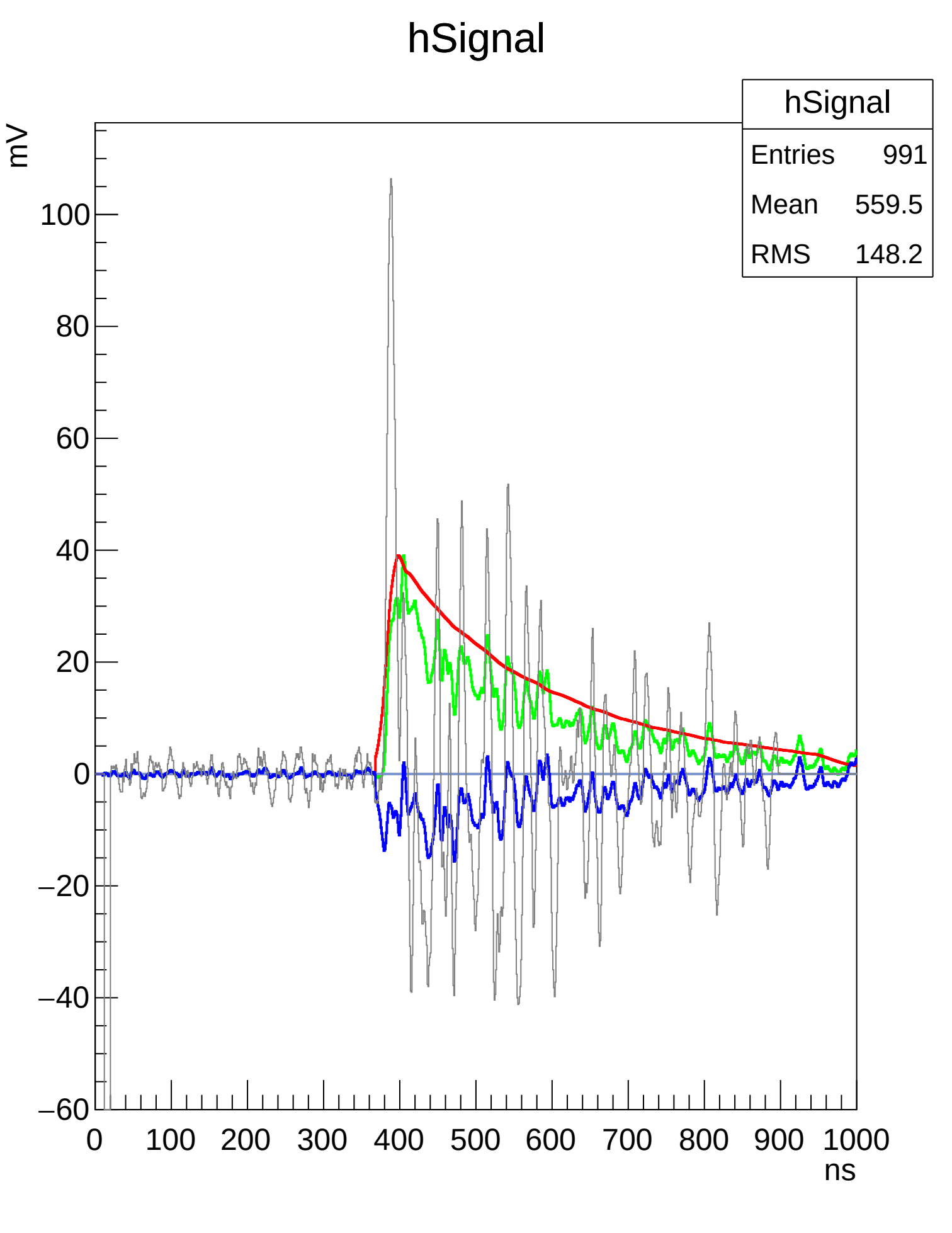
hSignal
hSignal
Entries 991
Mean 559.5
RMS 148.2
mV
100
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1000
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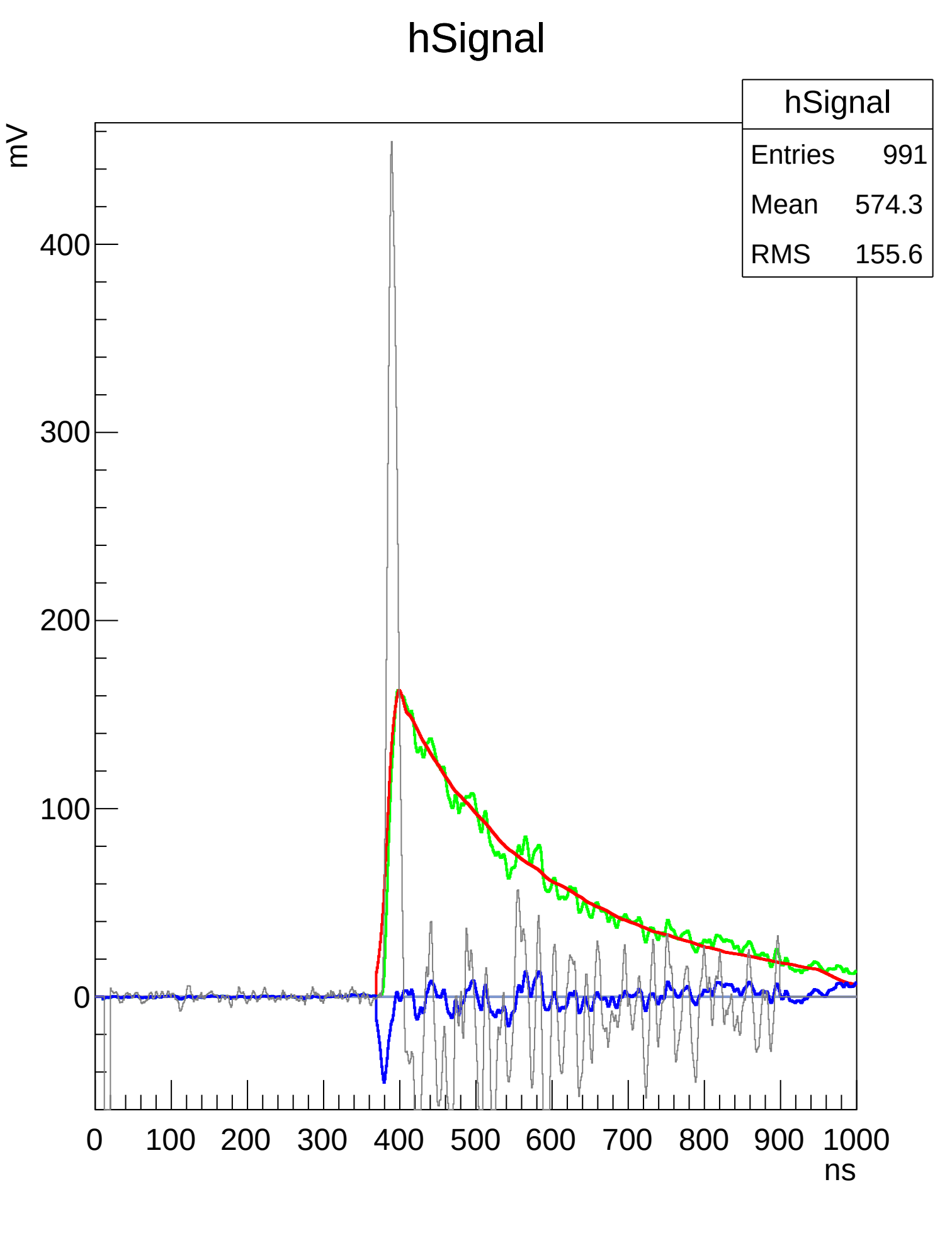
hSignal
hSignal
Entries 991
Mean 574.3
RMS 155.6
mV
400
300
200
100
0
0
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800
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1000
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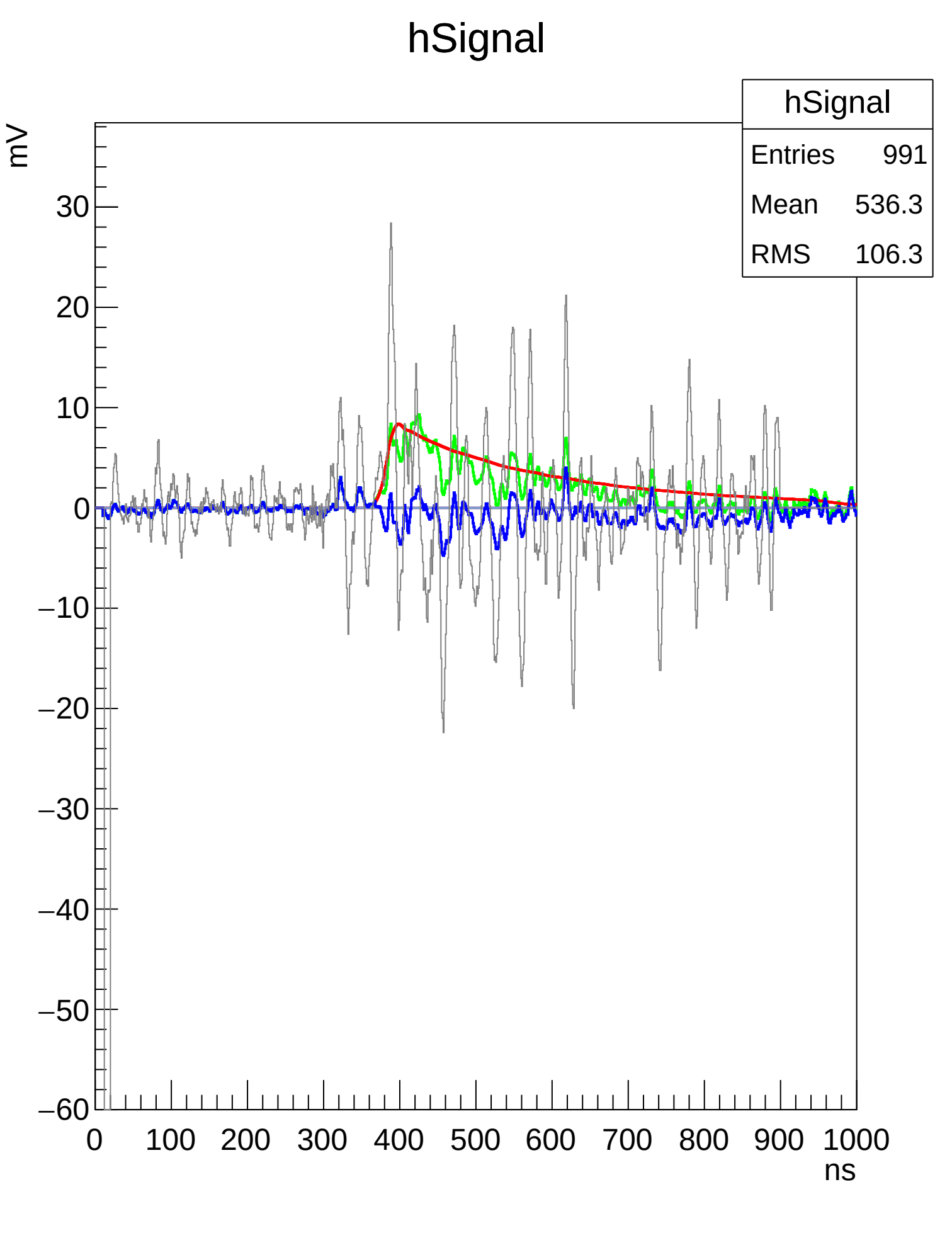
hSignal
hSignal
Entries 991
Mean 536.3
RMS 106.3
mV
30
20
10
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200
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400
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800
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1000
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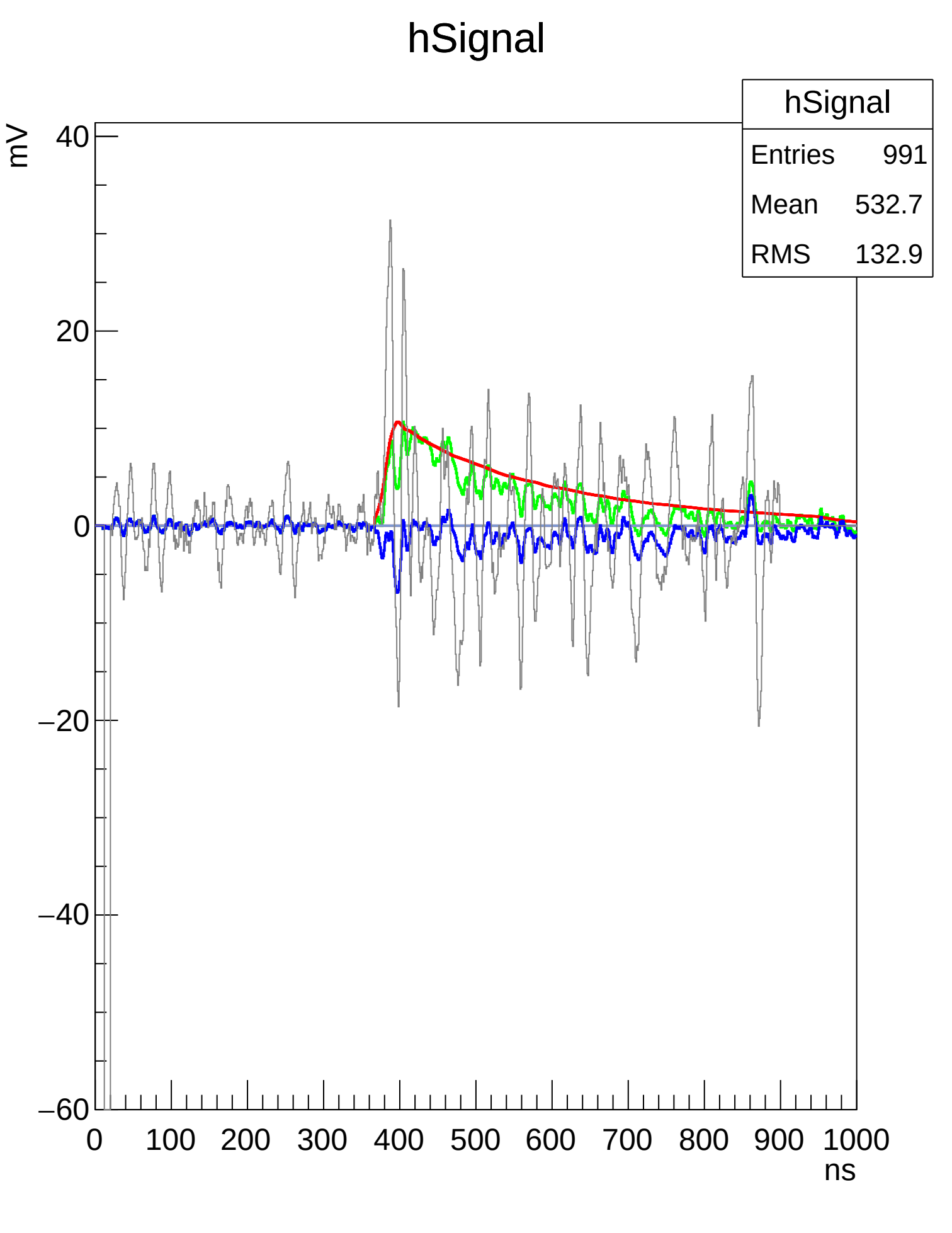
hSignal
hSignal
Entries 991
Mean 532.7
RMS 132.9
mV
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−20
−40
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0
100
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600
700
800
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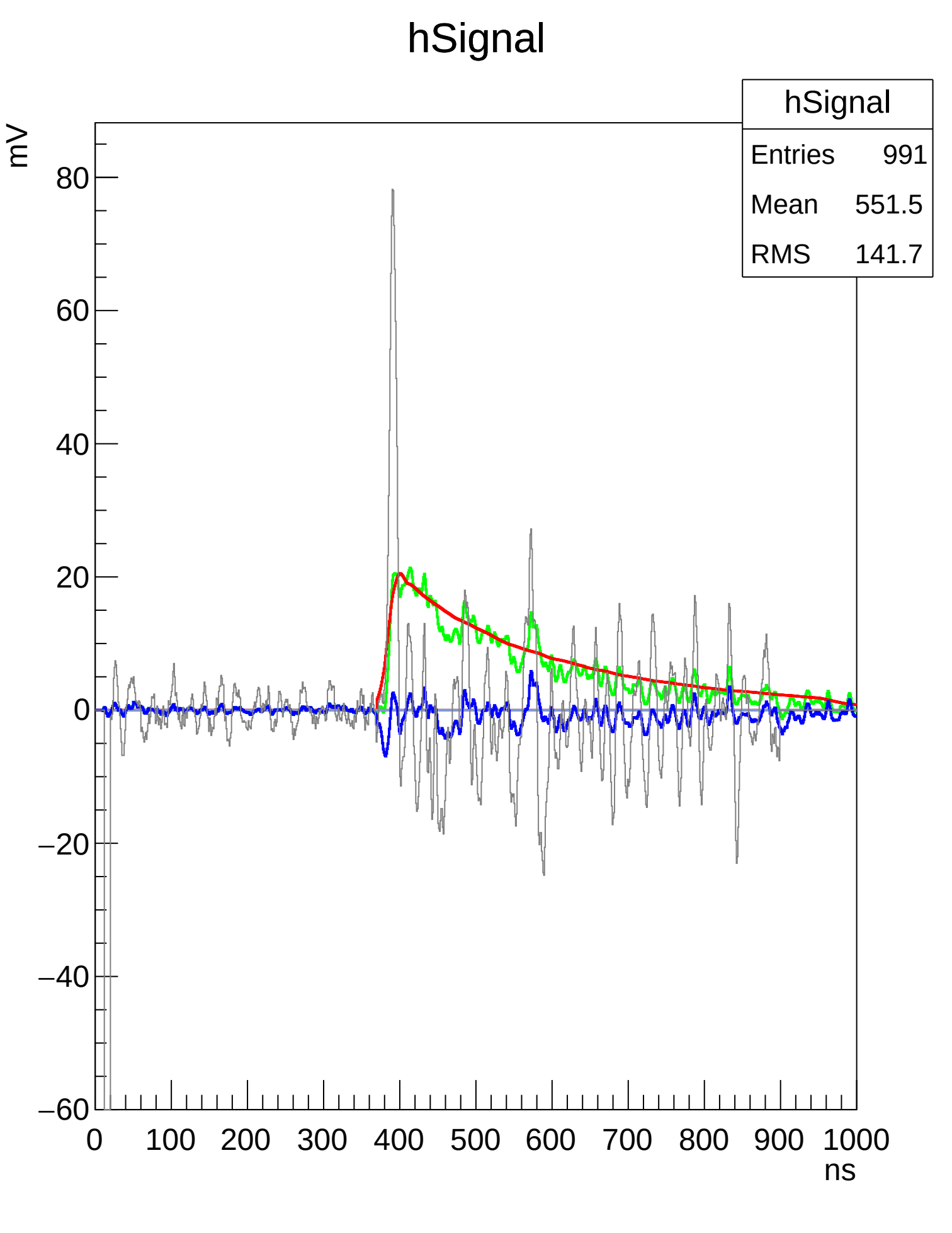
1000
ns


hSignal
hSignal
Entries 991
Mean 551.5
RMS 141.7
mV
80
60
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0
−20
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600
700
800
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1000
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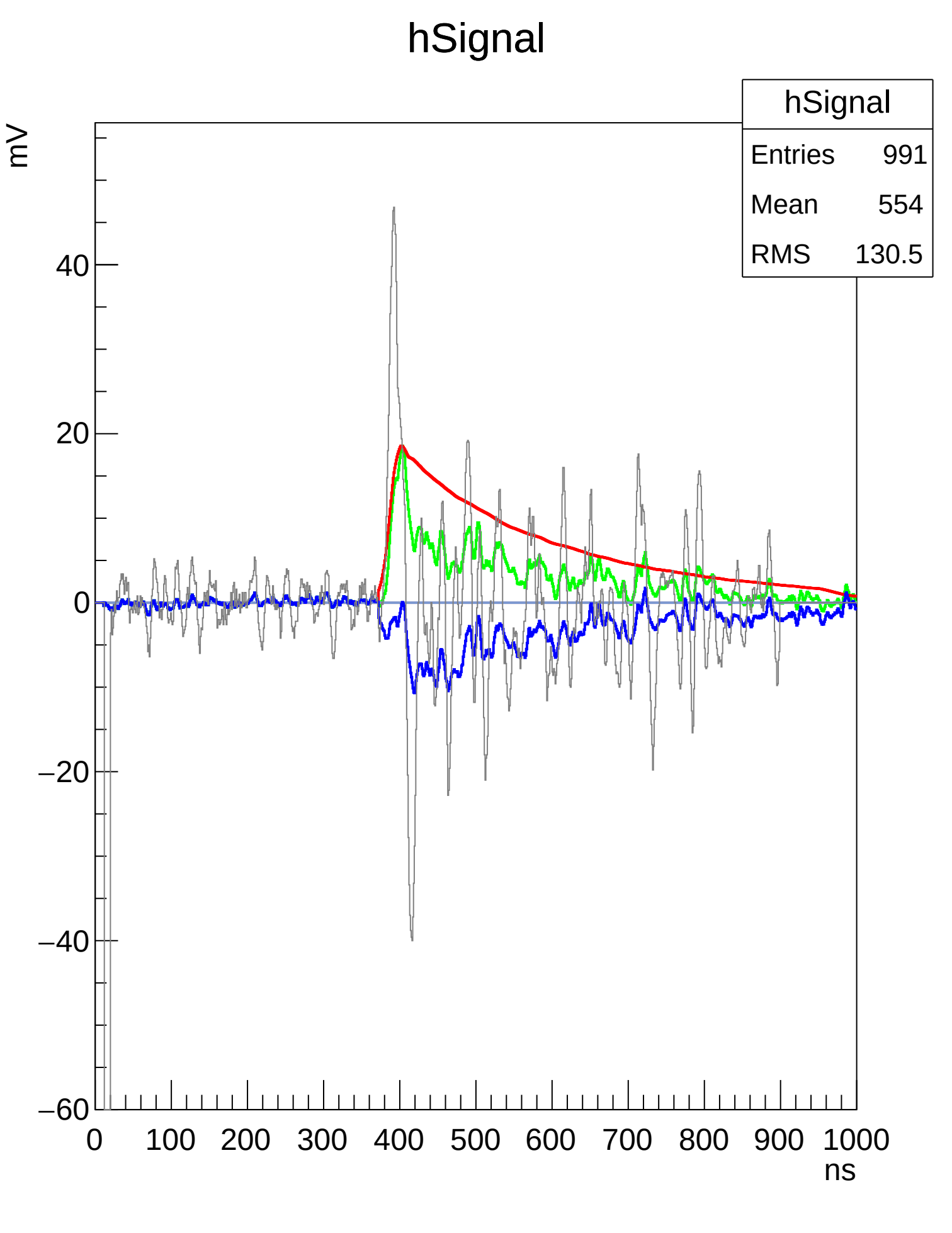
hSignal
hSignal
Entries 991
Mean 554
RMS 130.5
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−20
−40
−60
0
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200
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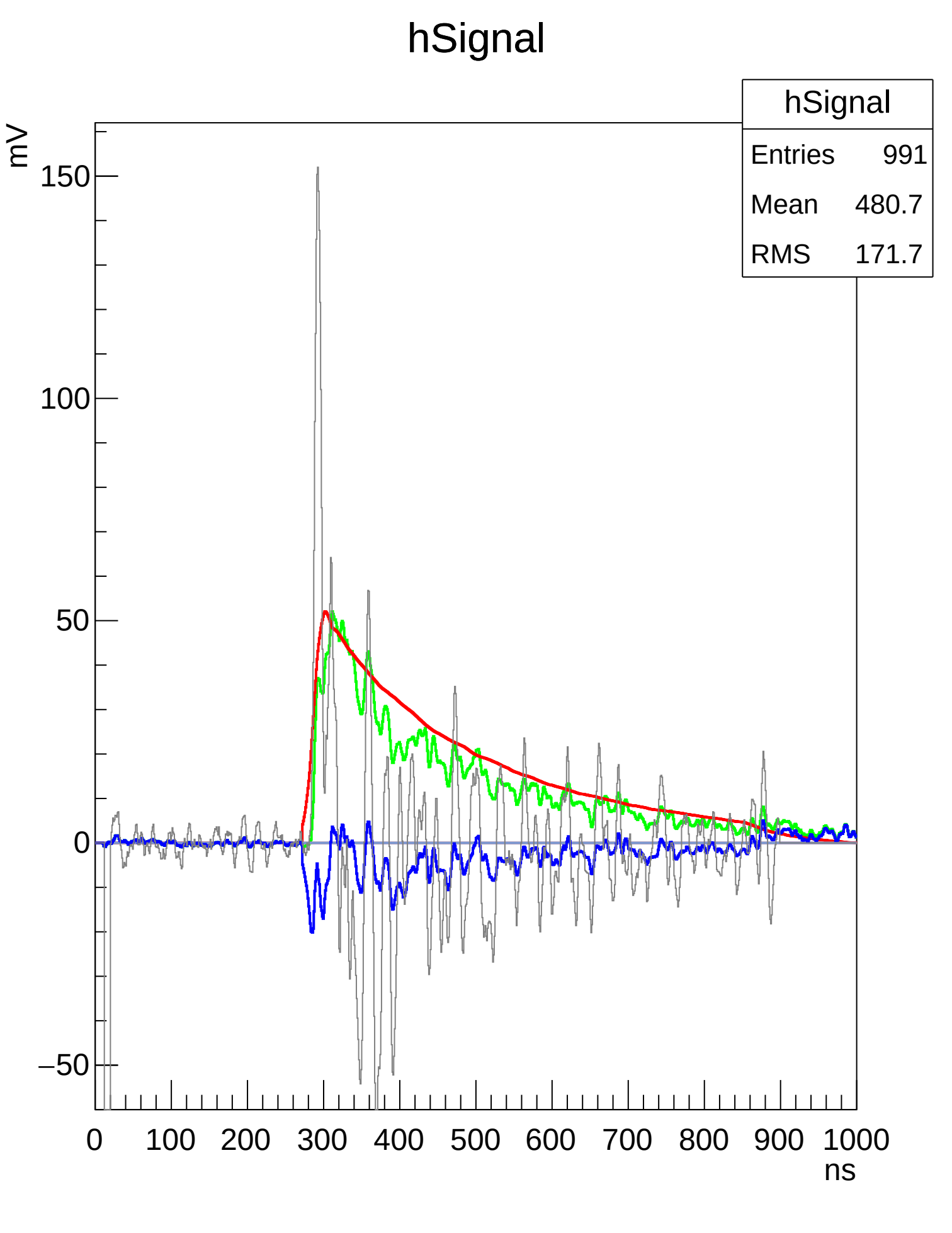
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.7
RMS 171.7
mV
150
100
50
0
−50
0
100
200
300
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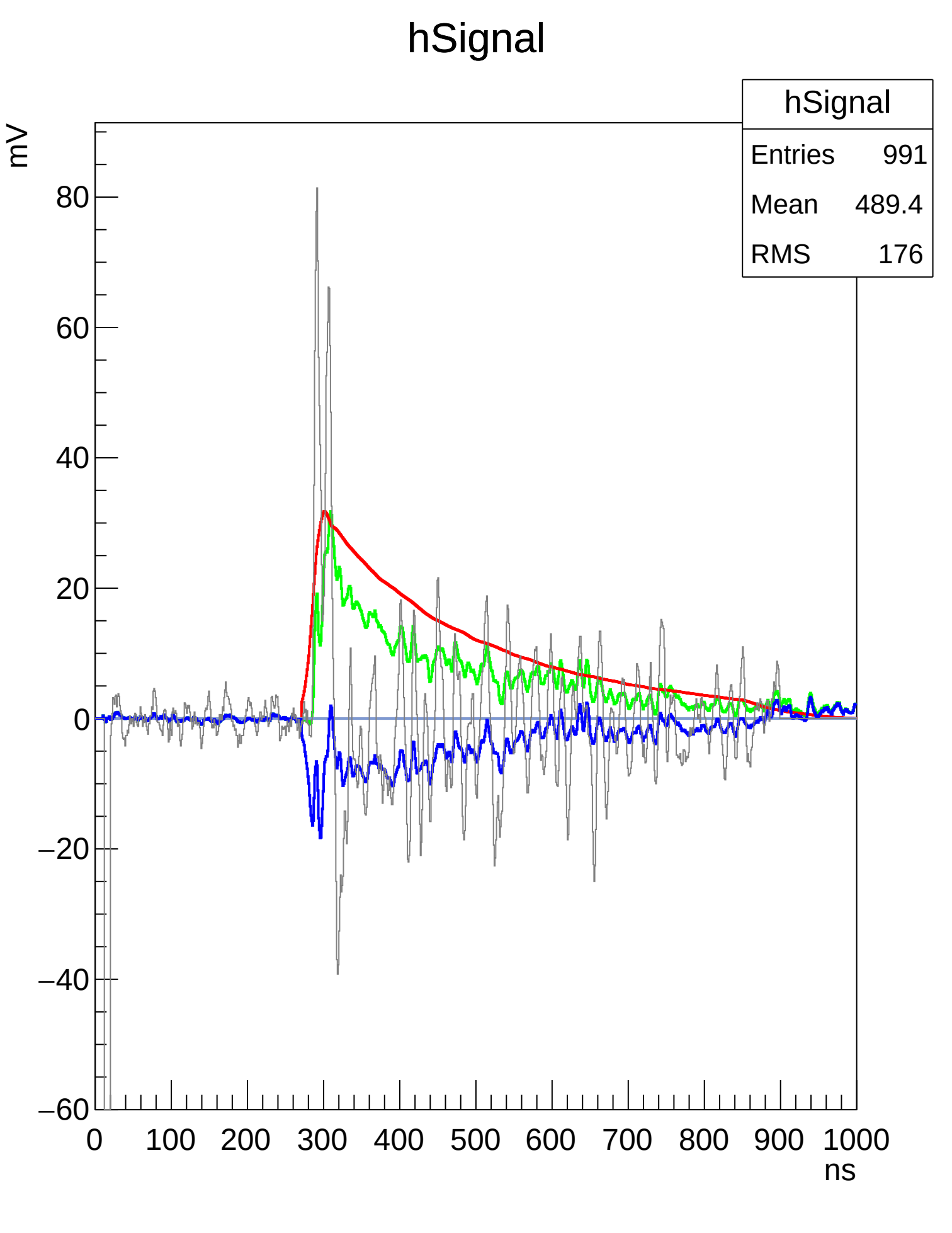
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.4
RMS 176
mV
80
60
40
20
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−20
−40
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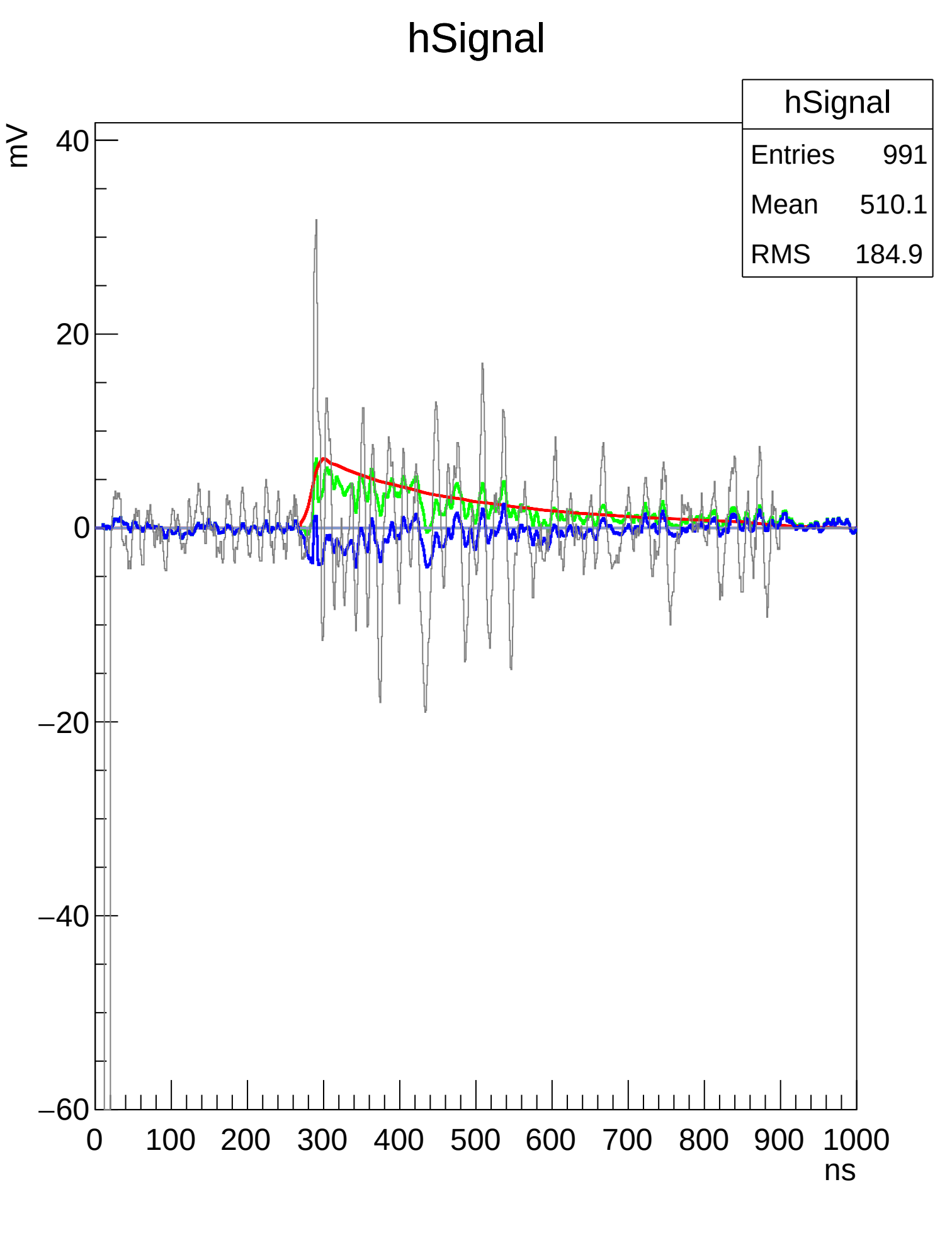
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.1
RMS 184.9
mV
40
20
0
−20
−40
−60
0
100
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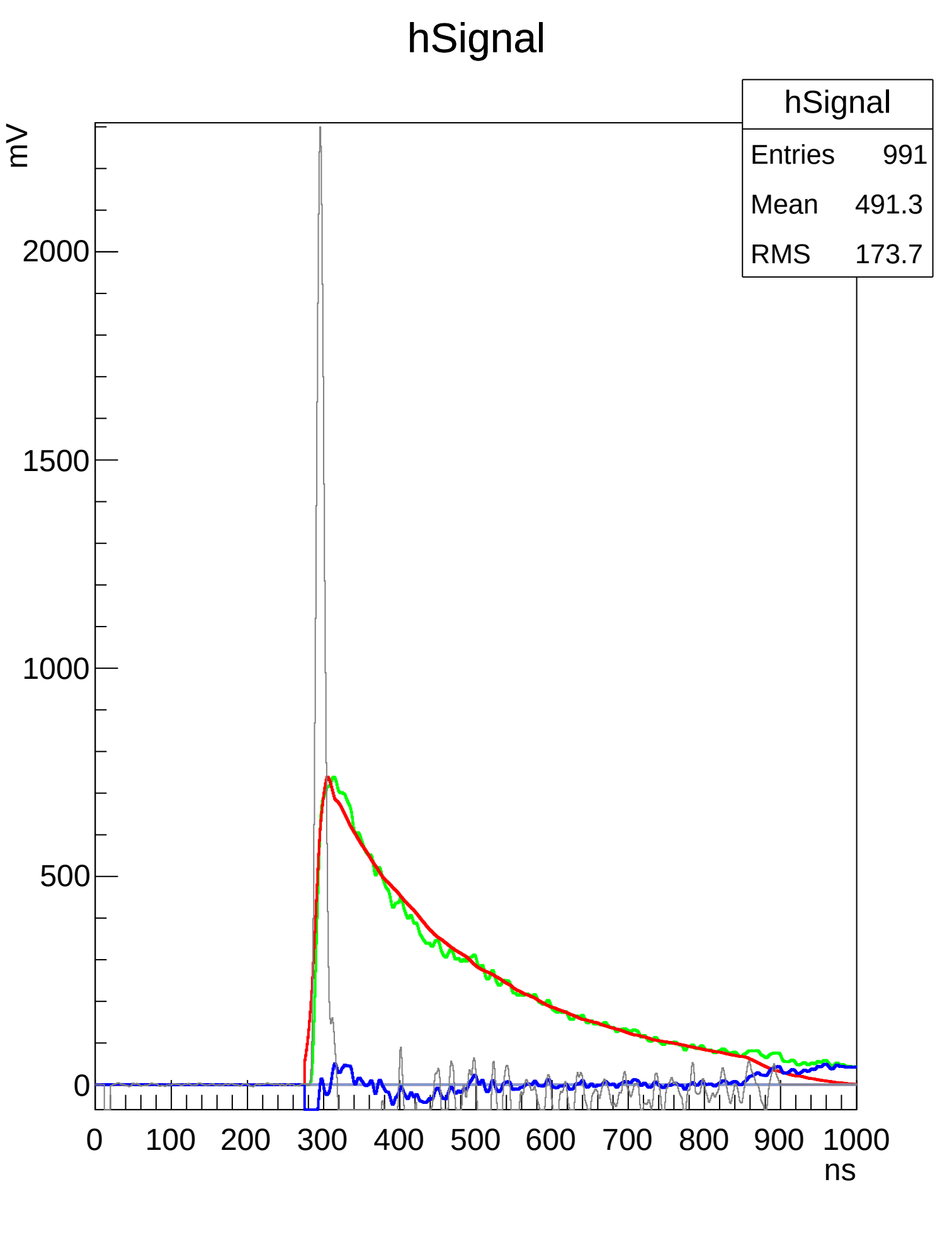
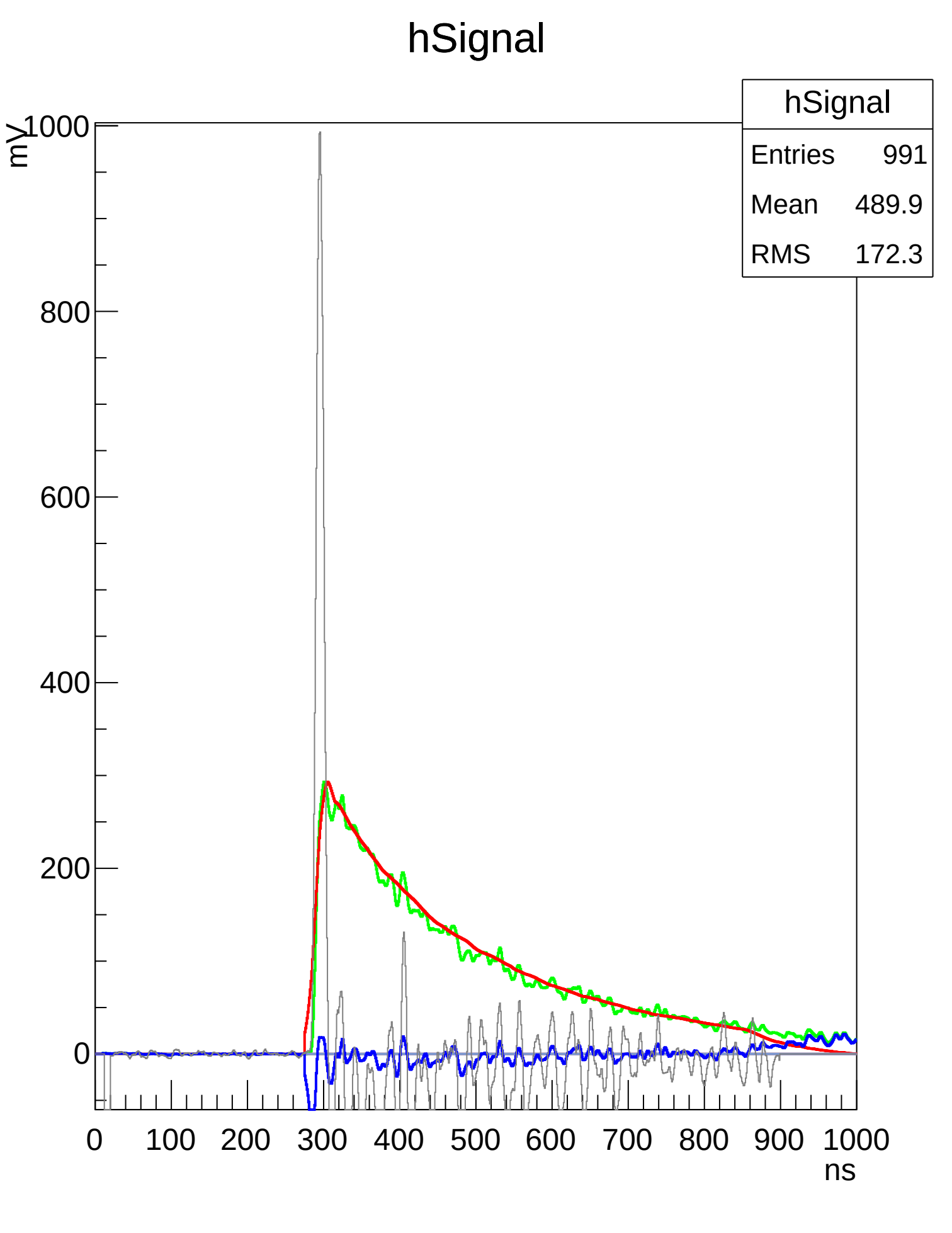
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.3
RMS 173.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.9
RMS 172.3
mV
1000
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600
400
200
0
0
100
200
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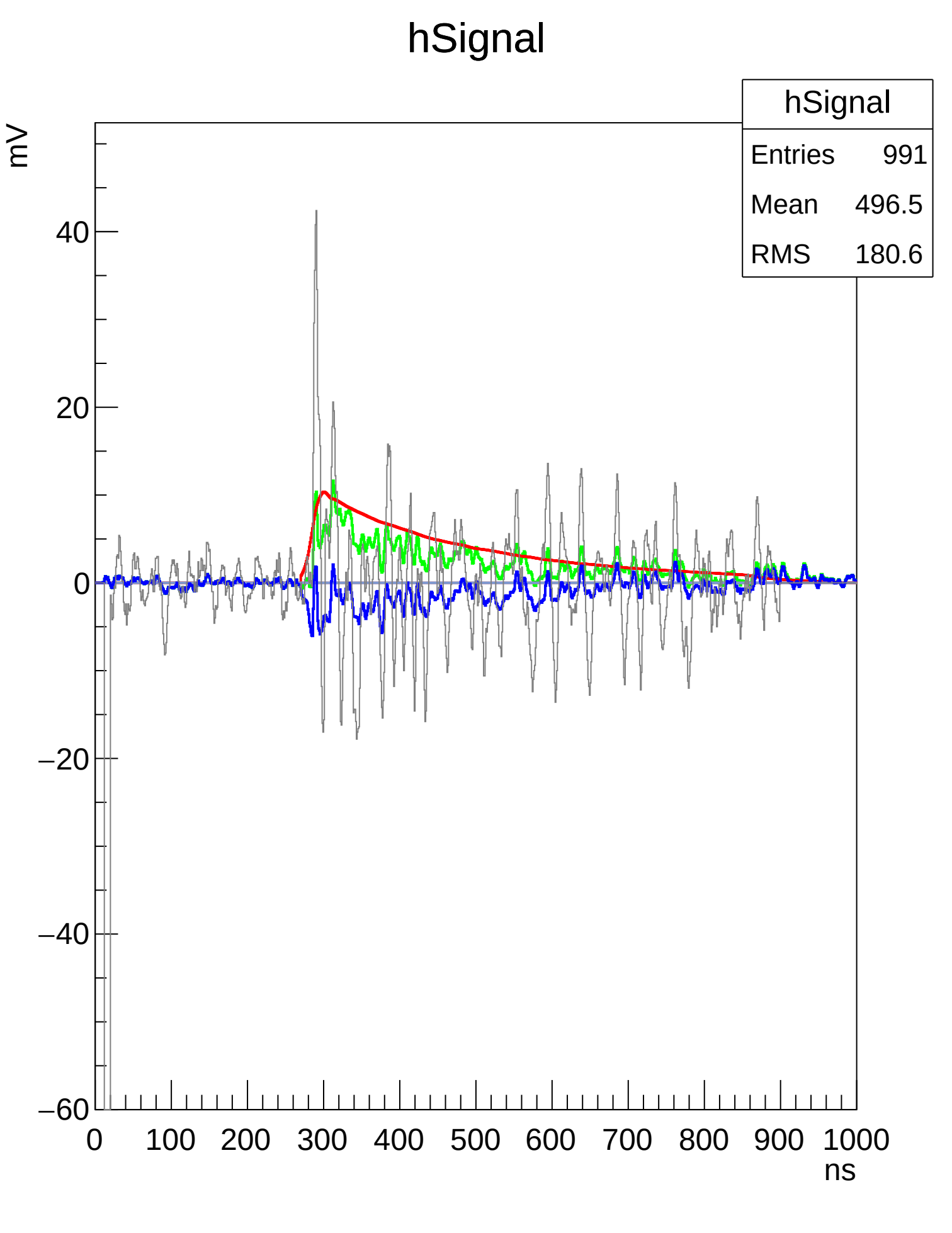
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496.5
RMS 180.6
mV
40
20
0
−20
−40
−60
0
100
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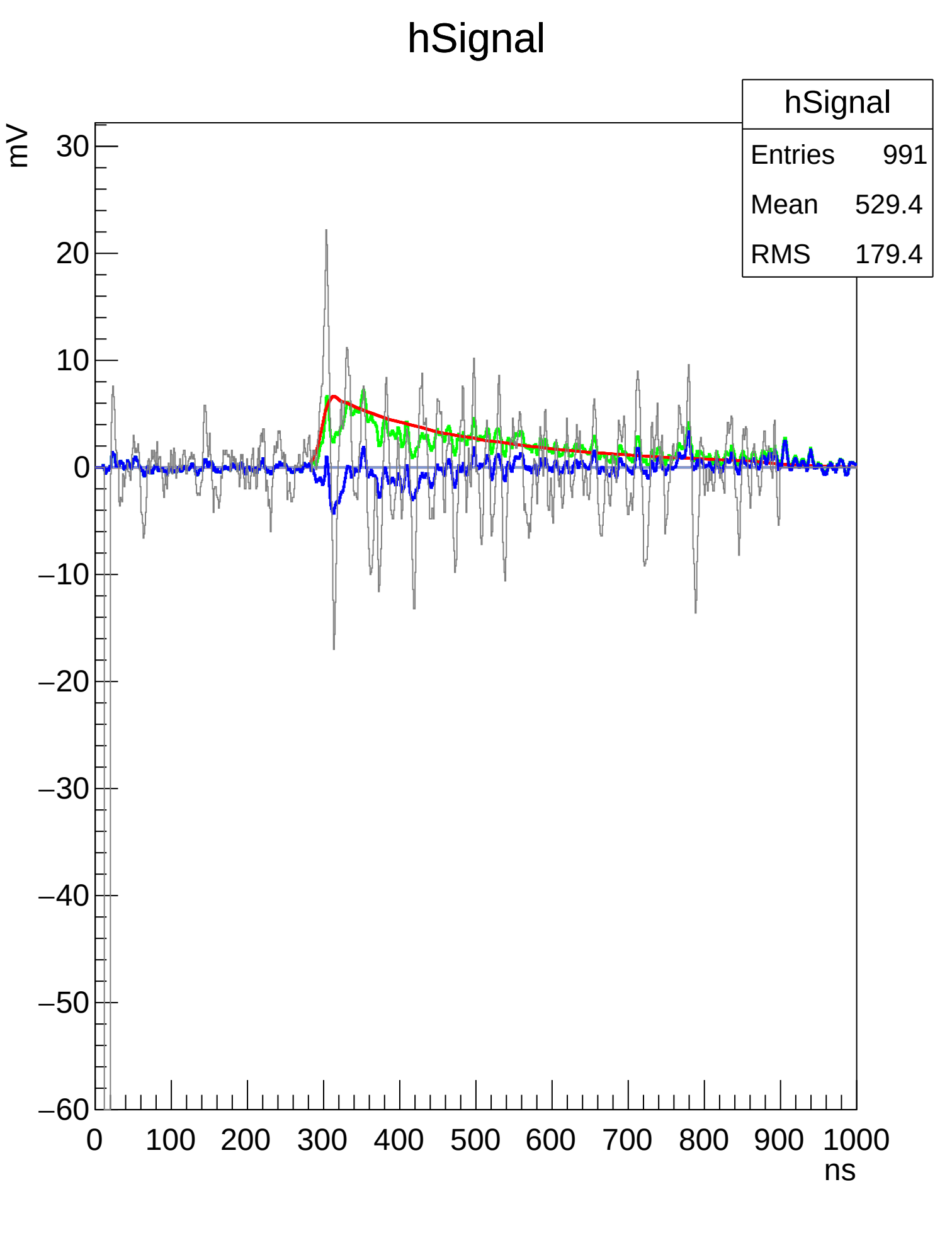
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.4
RMS 179.4
mV
30
20
10
0
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−50
−60
0
100
200
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400
500
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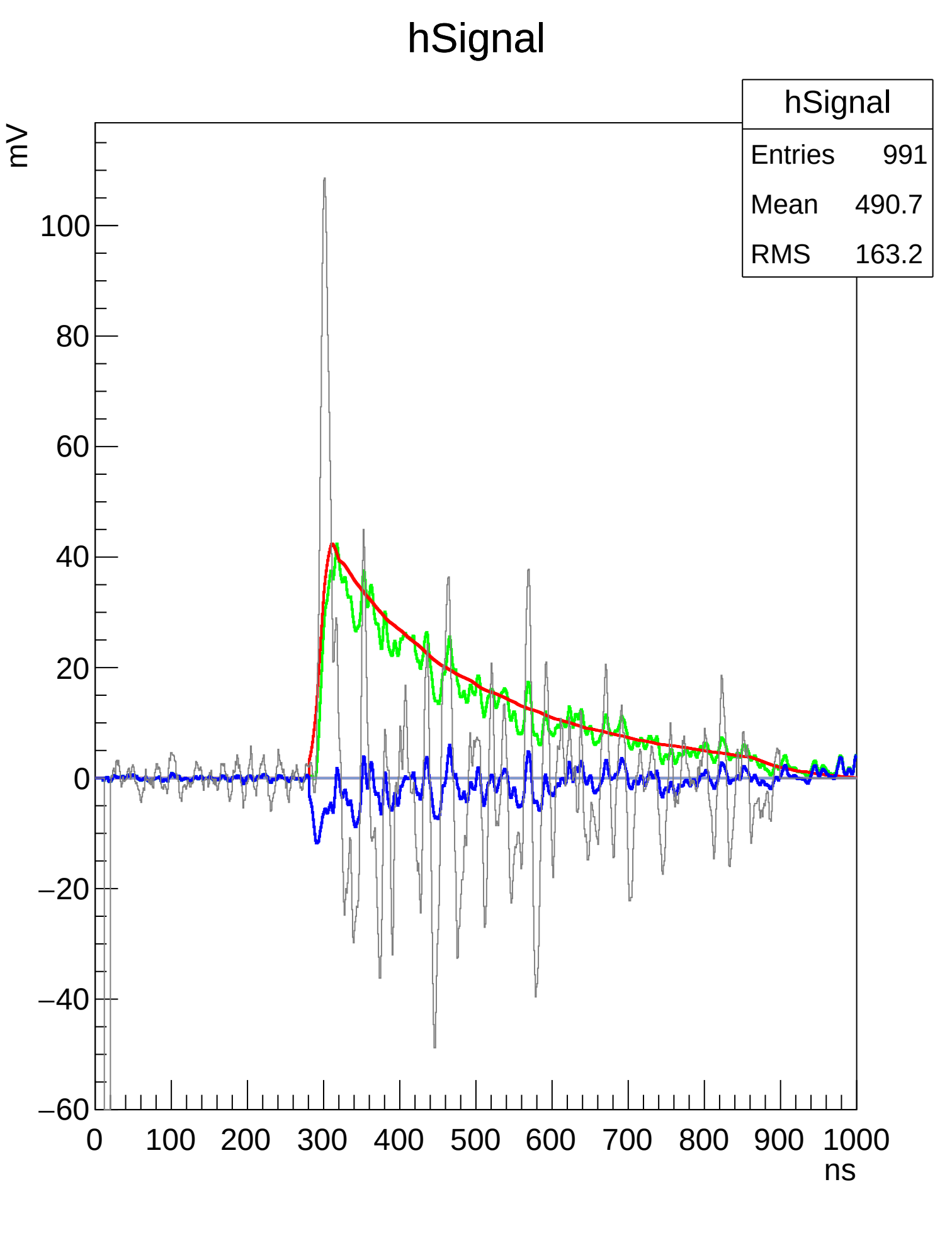
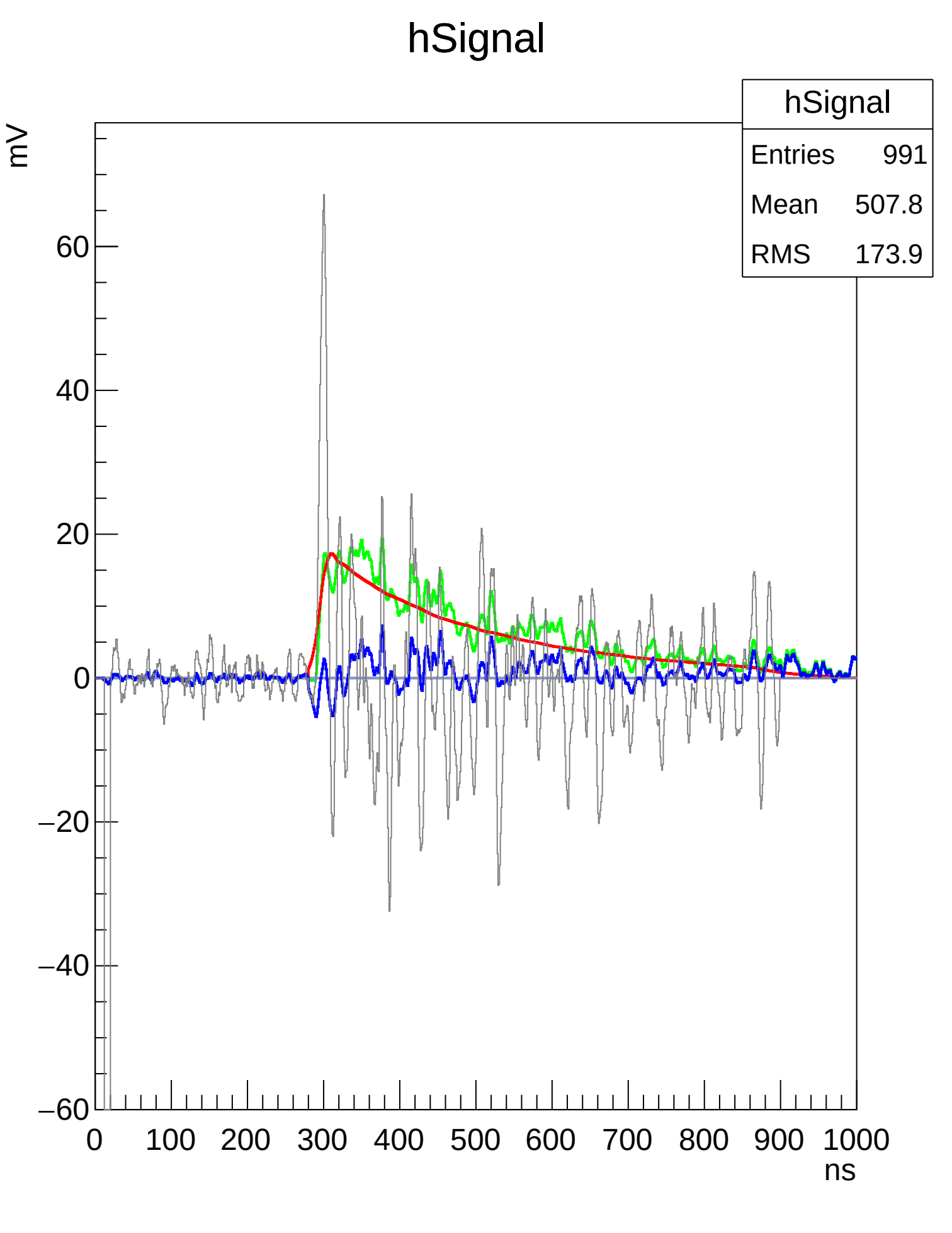
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.7
RMS 163.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.8
RMS 173.9
mV
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40
20
0
−20
−40
−60
0
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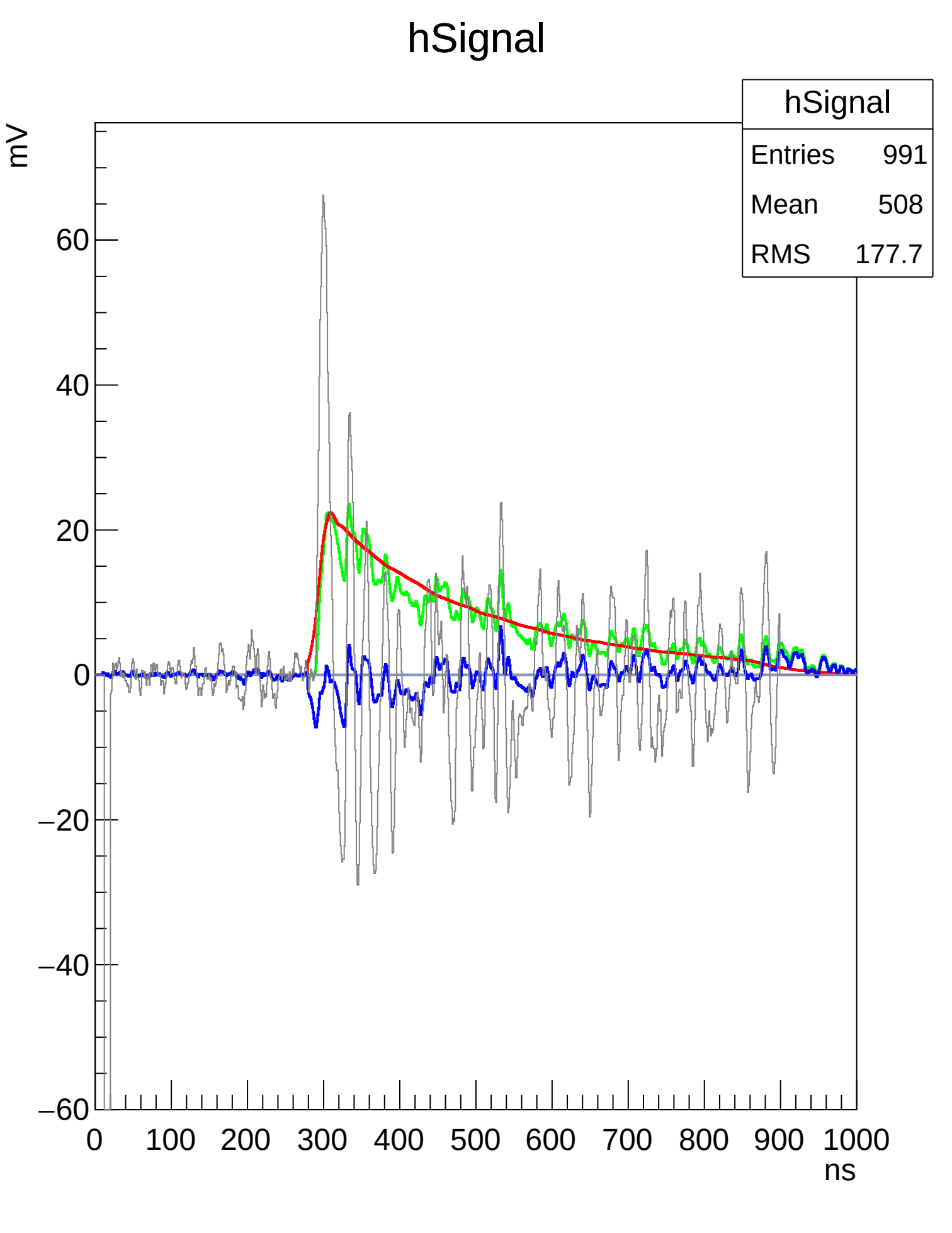
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508
RMS 177.7
mV
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40
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400
500
600
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800
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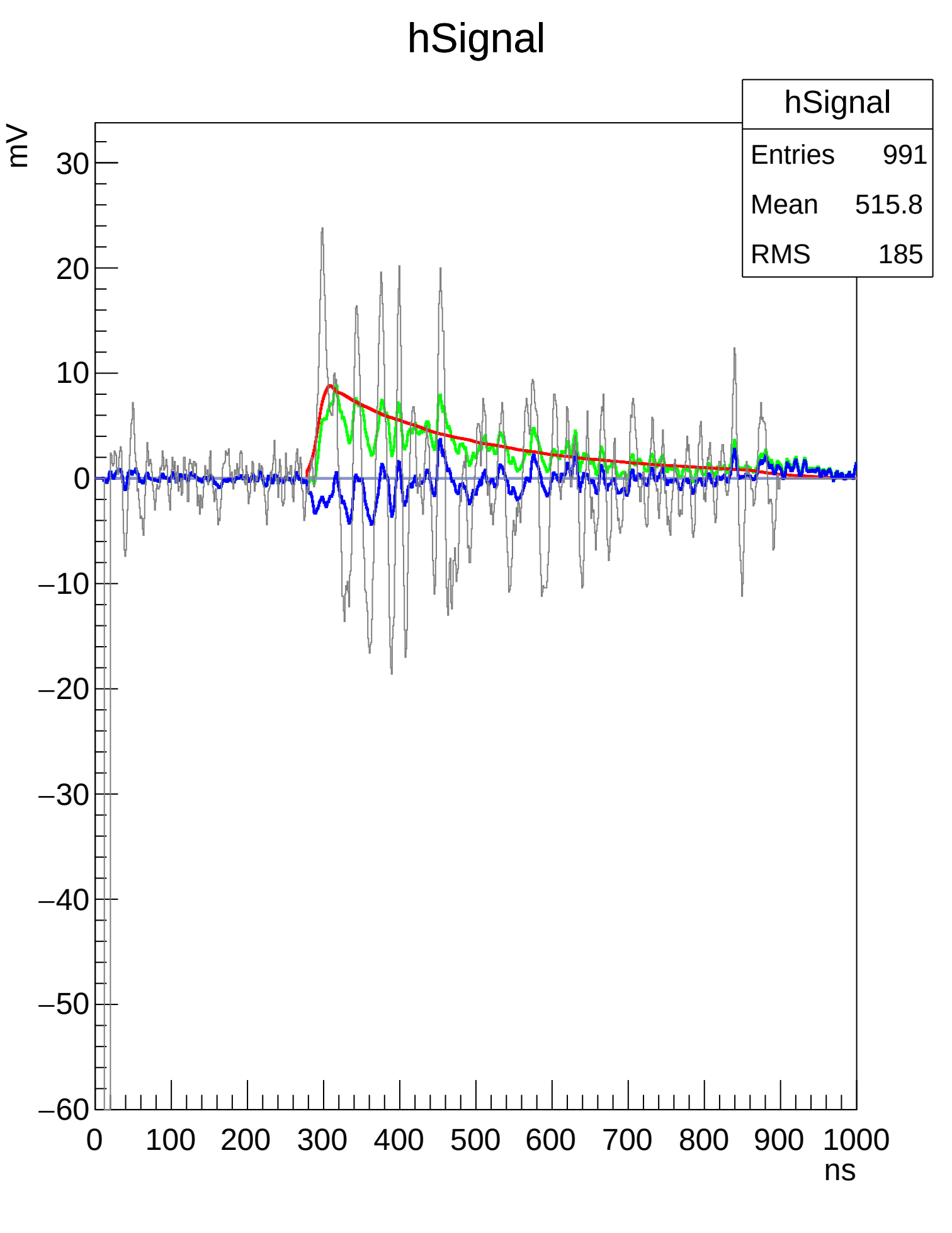
1000
ns


hSignal
hSignal
Entries 991
Mean 515.8
RMS 185
mV
30
20
10
0
−10
−20
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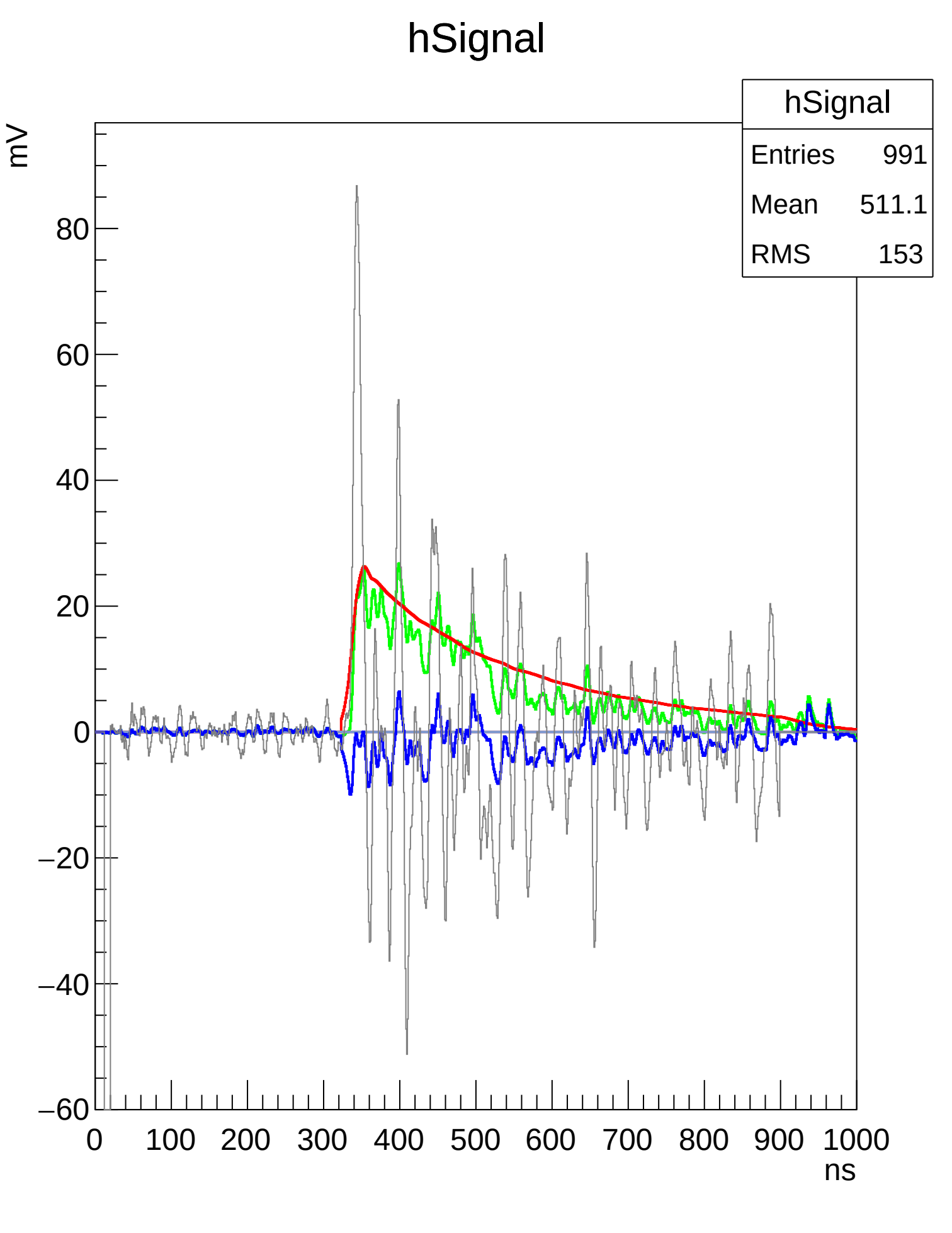
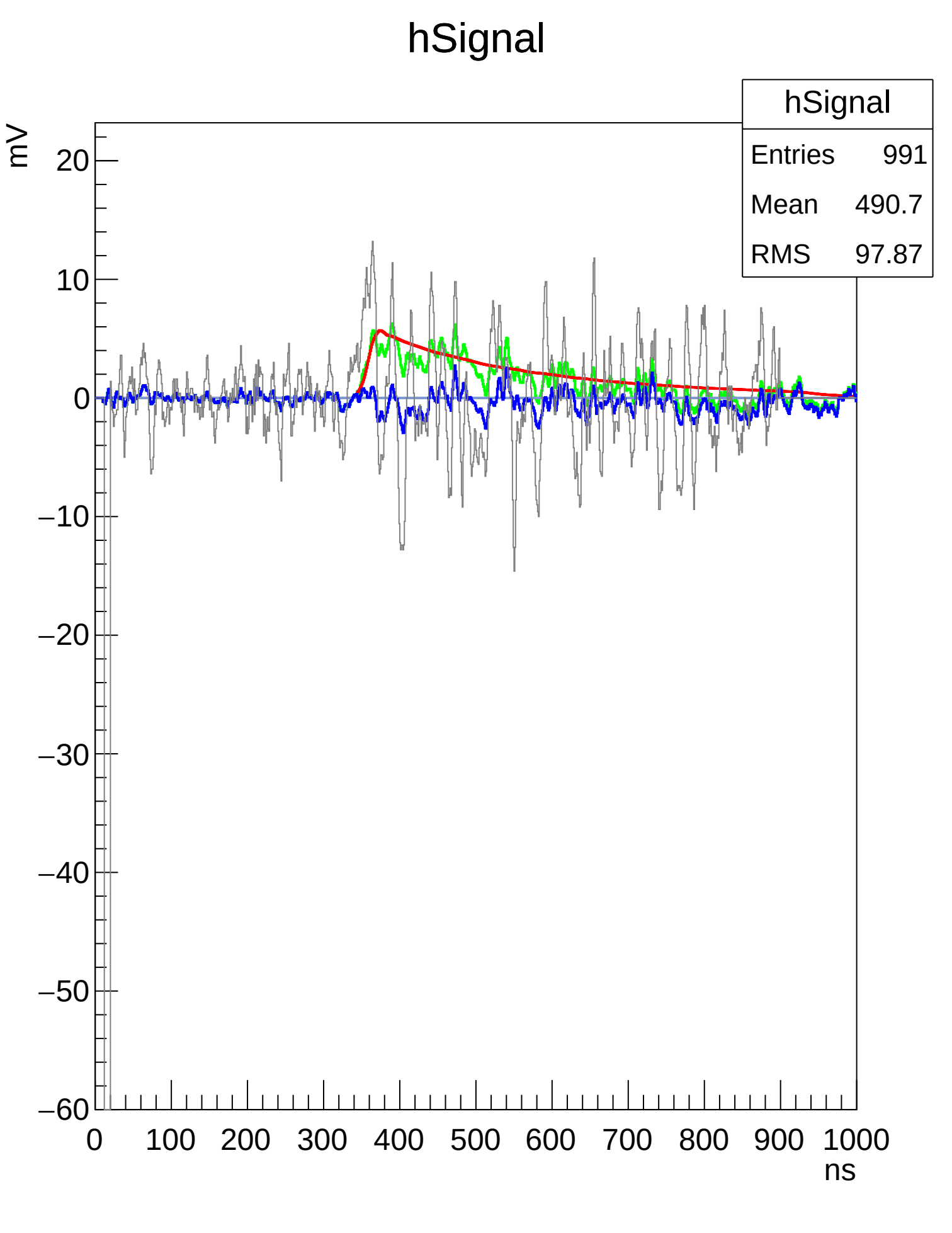
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.1
RMS 153
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.7
RMS 97.87
mV
20
10
0
−10
−20
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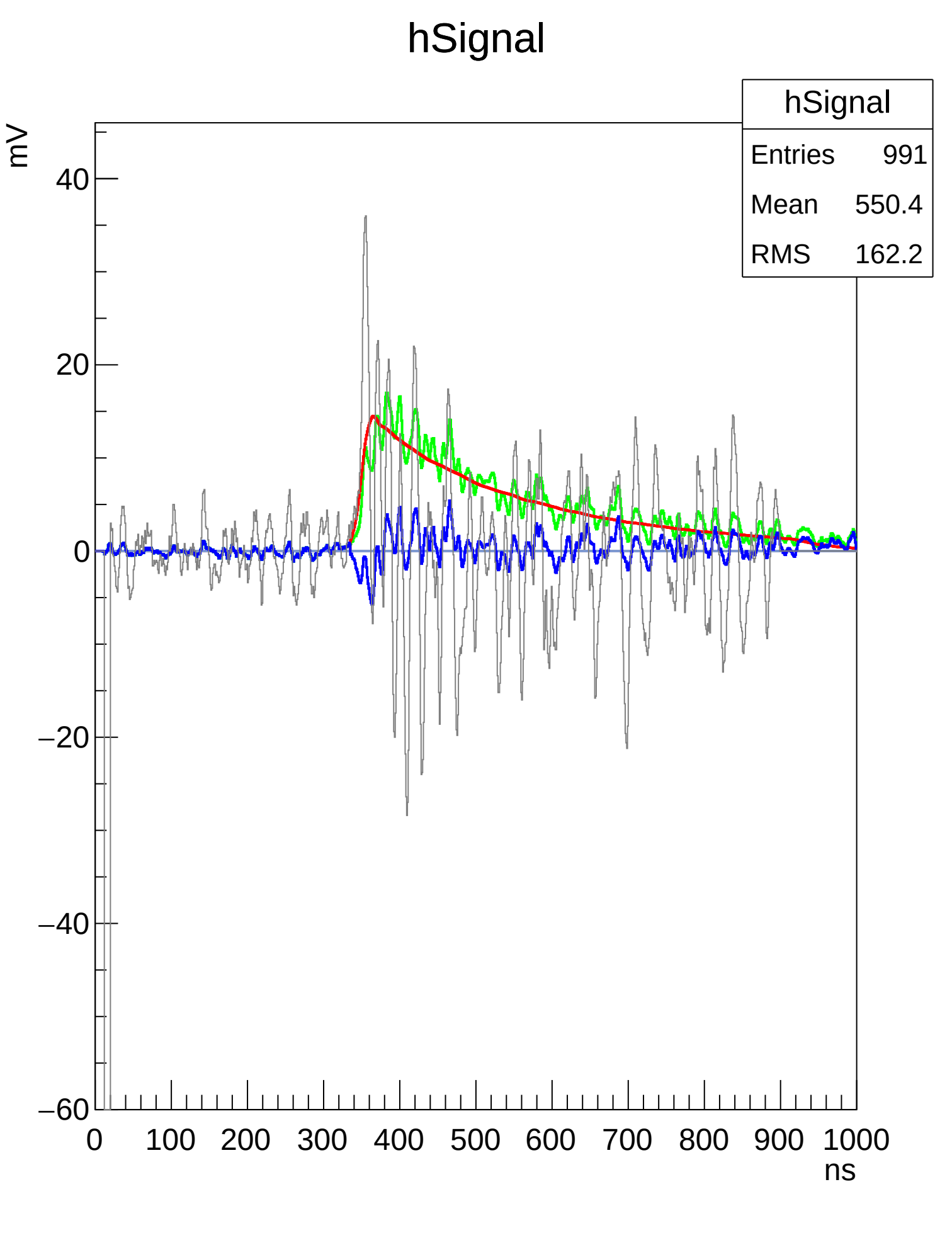
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.4
RMS 162.2
mV
40
20
0
−20
−40
−60
0
100
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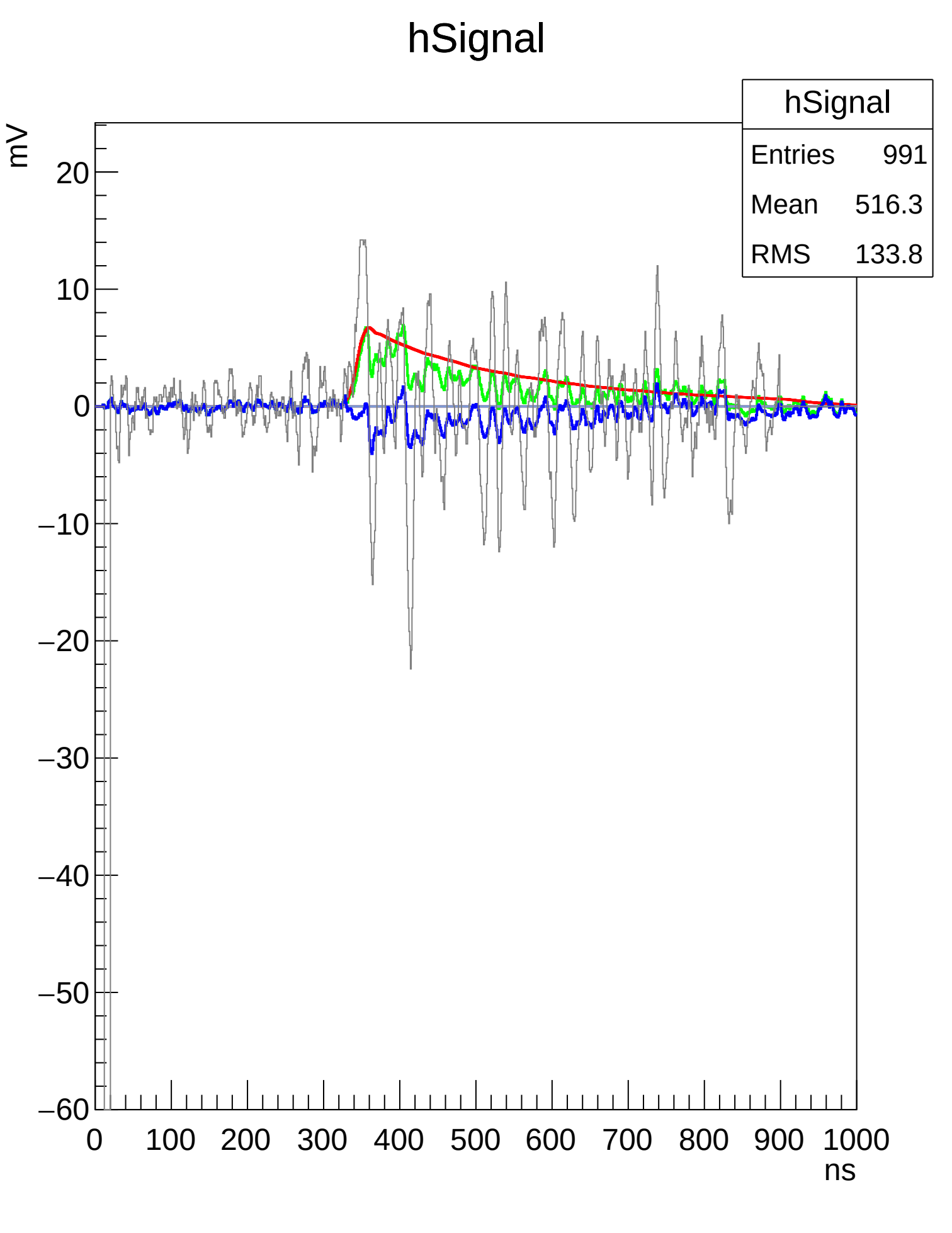
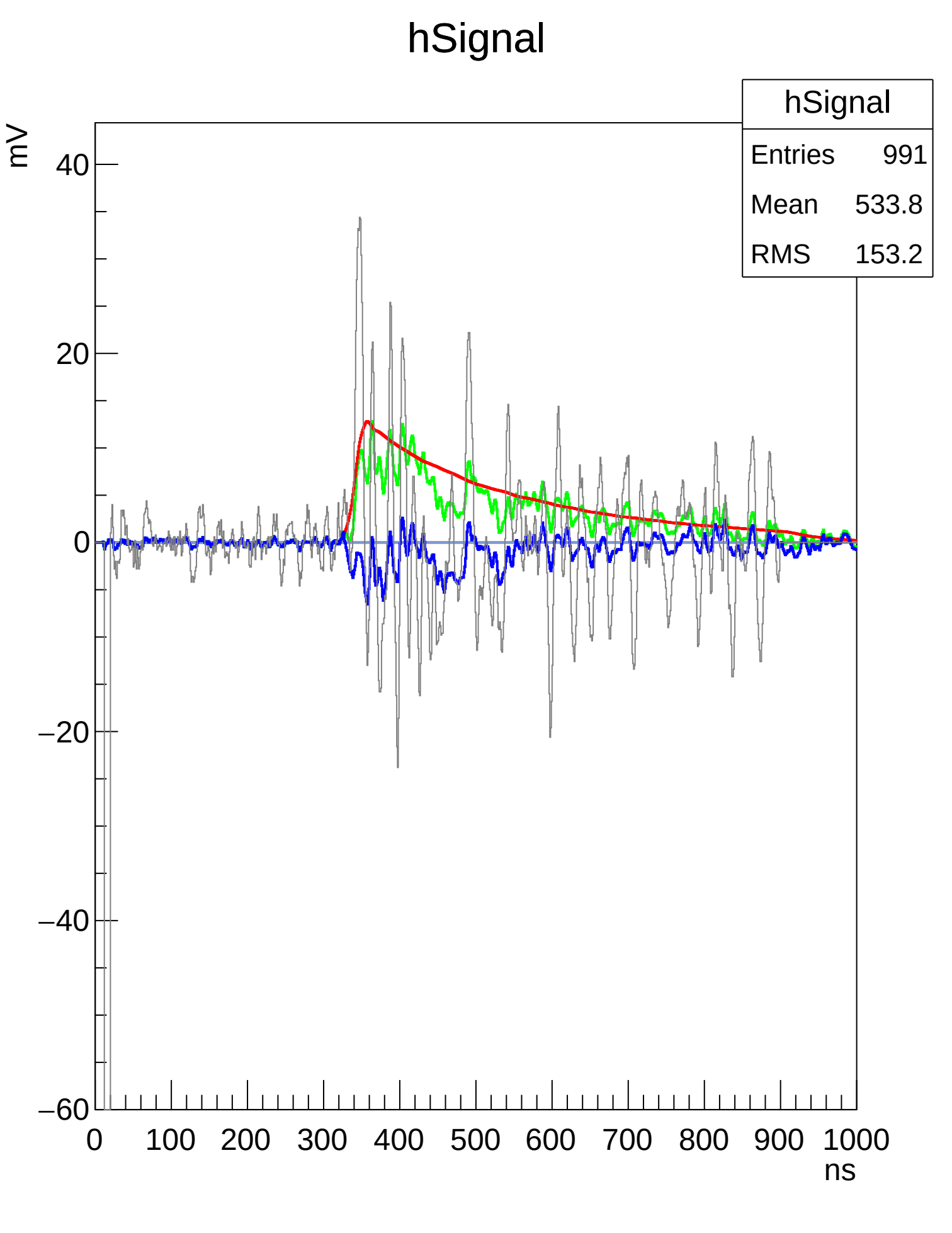
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.3
RMS 133.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.8
RMS 153.2
mV
40
20
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−20
−40
−60
0
100
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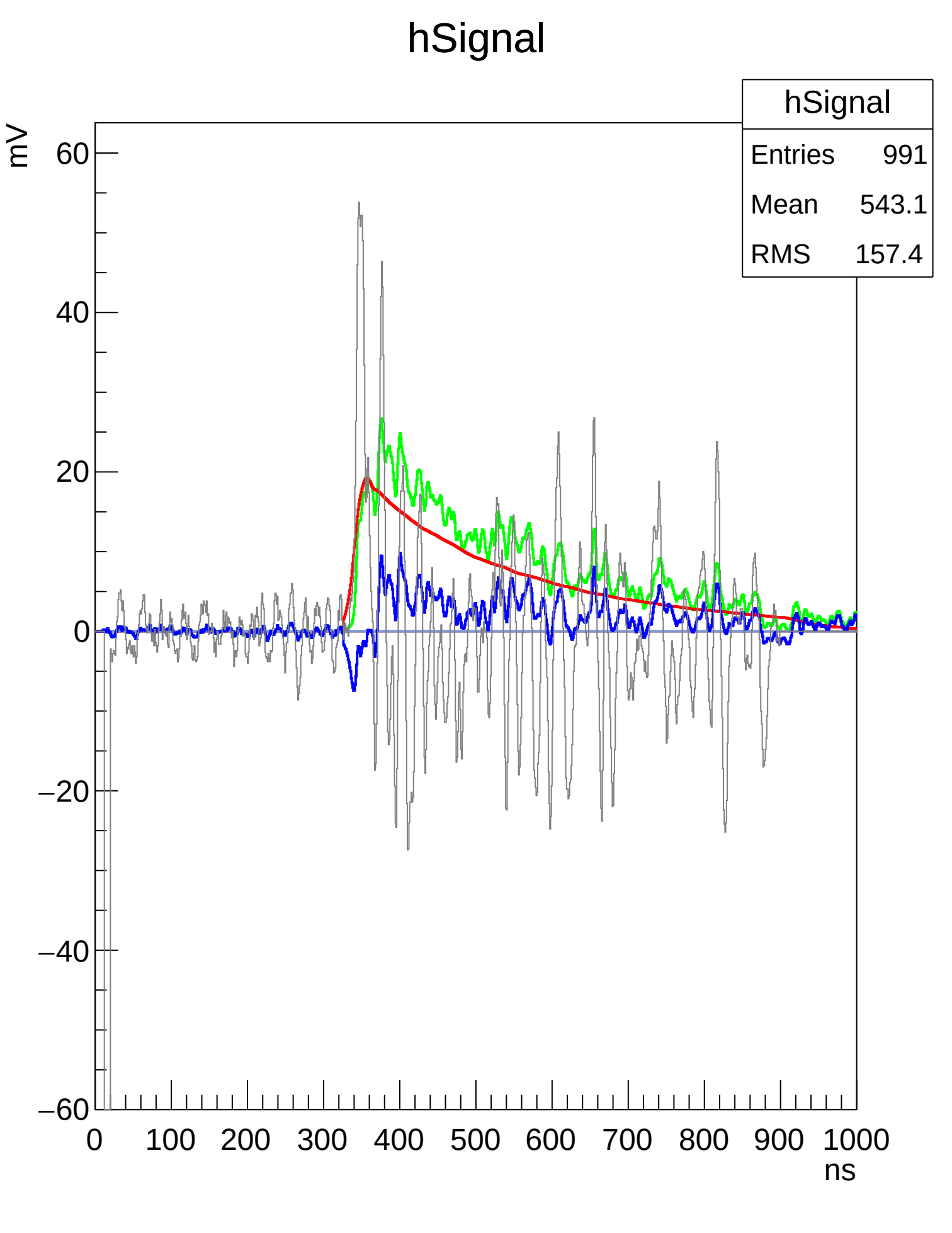
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.1
RMS 157.4
mV
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40
20
0
−20
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−60
0
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200
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400
500
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700
800
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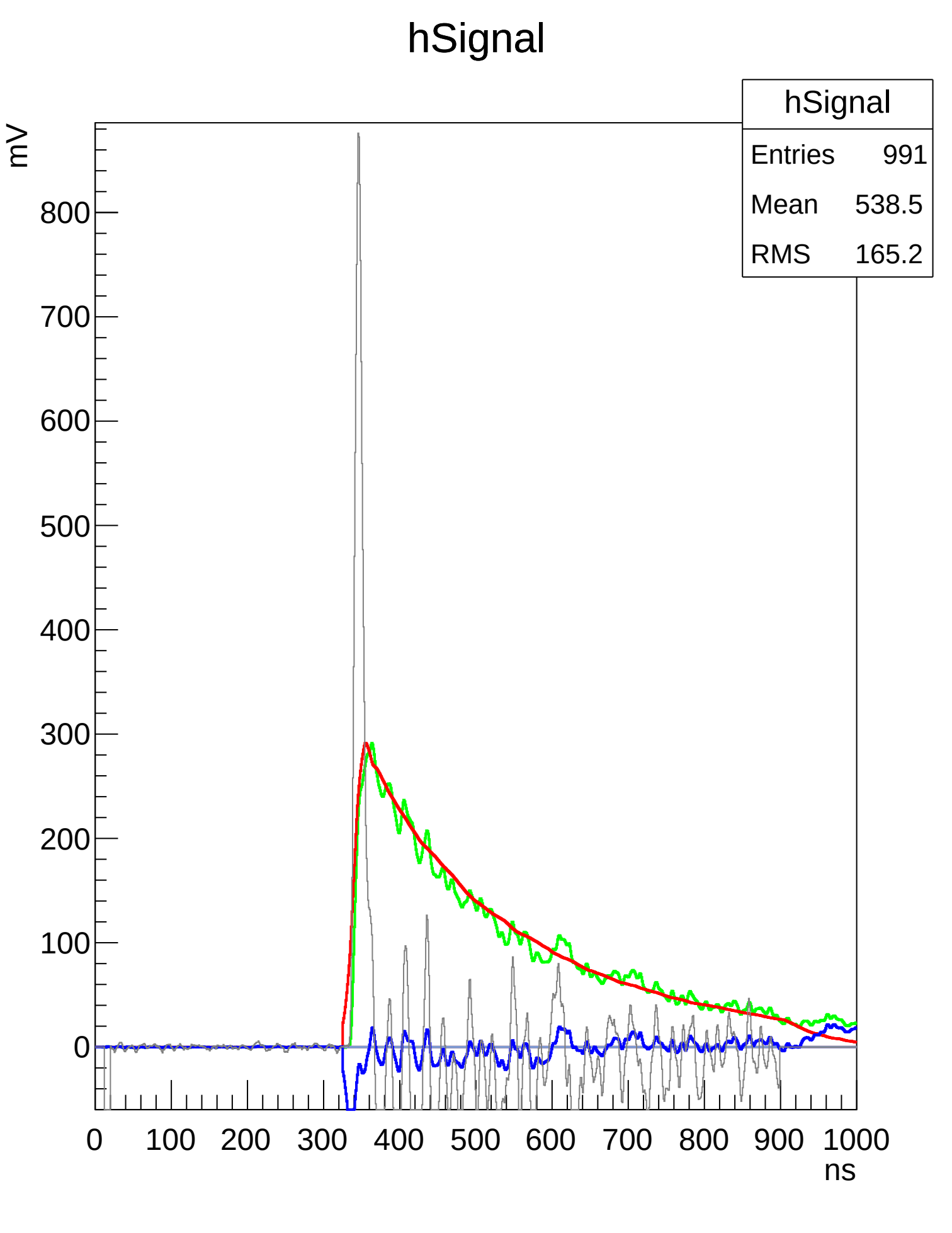
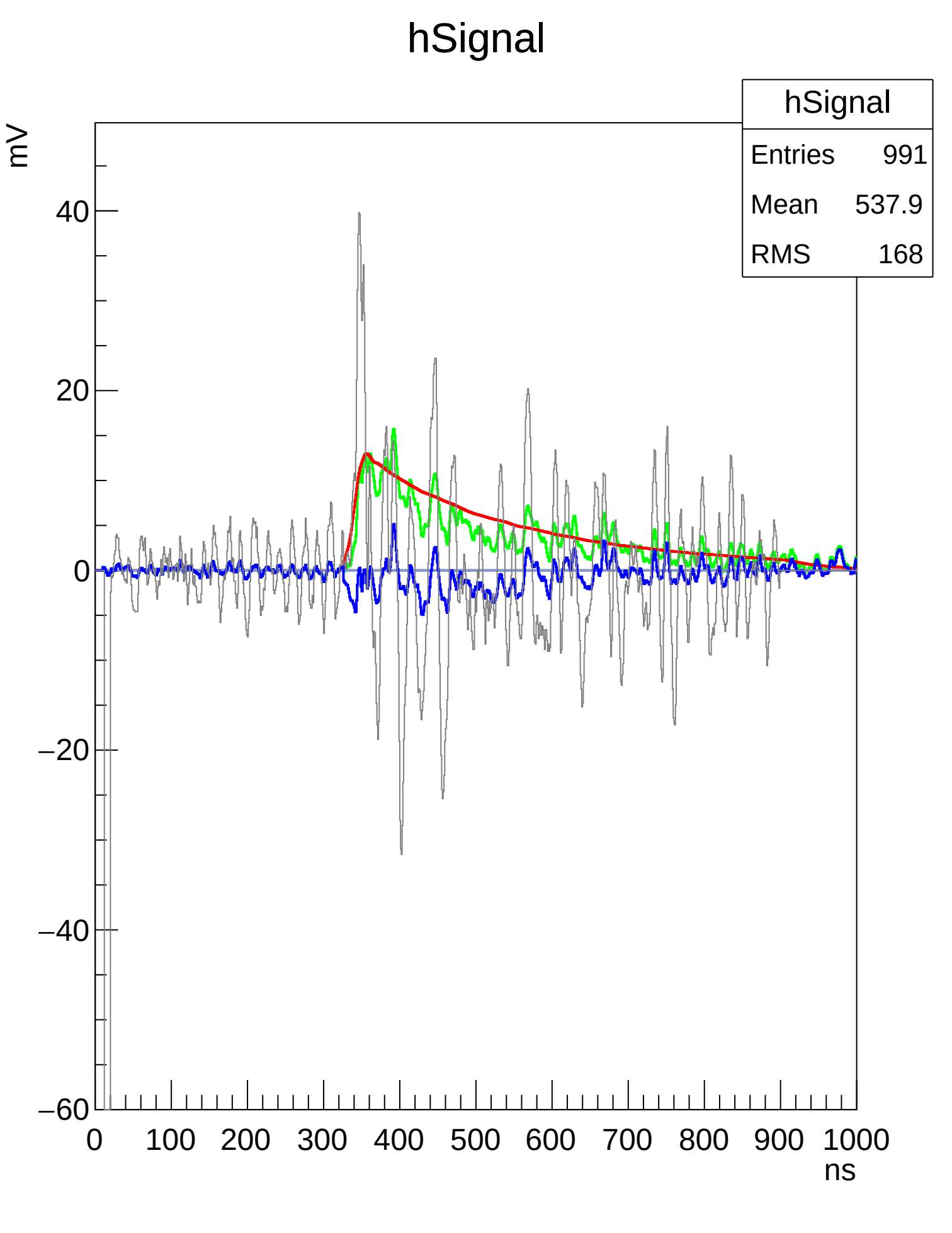
1000
ns


hSignal
hSignal
Entries 991
Mean 538.5
RMS 165.2
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 537.9
RMS 168
mV
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−20
−40
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0
100
200
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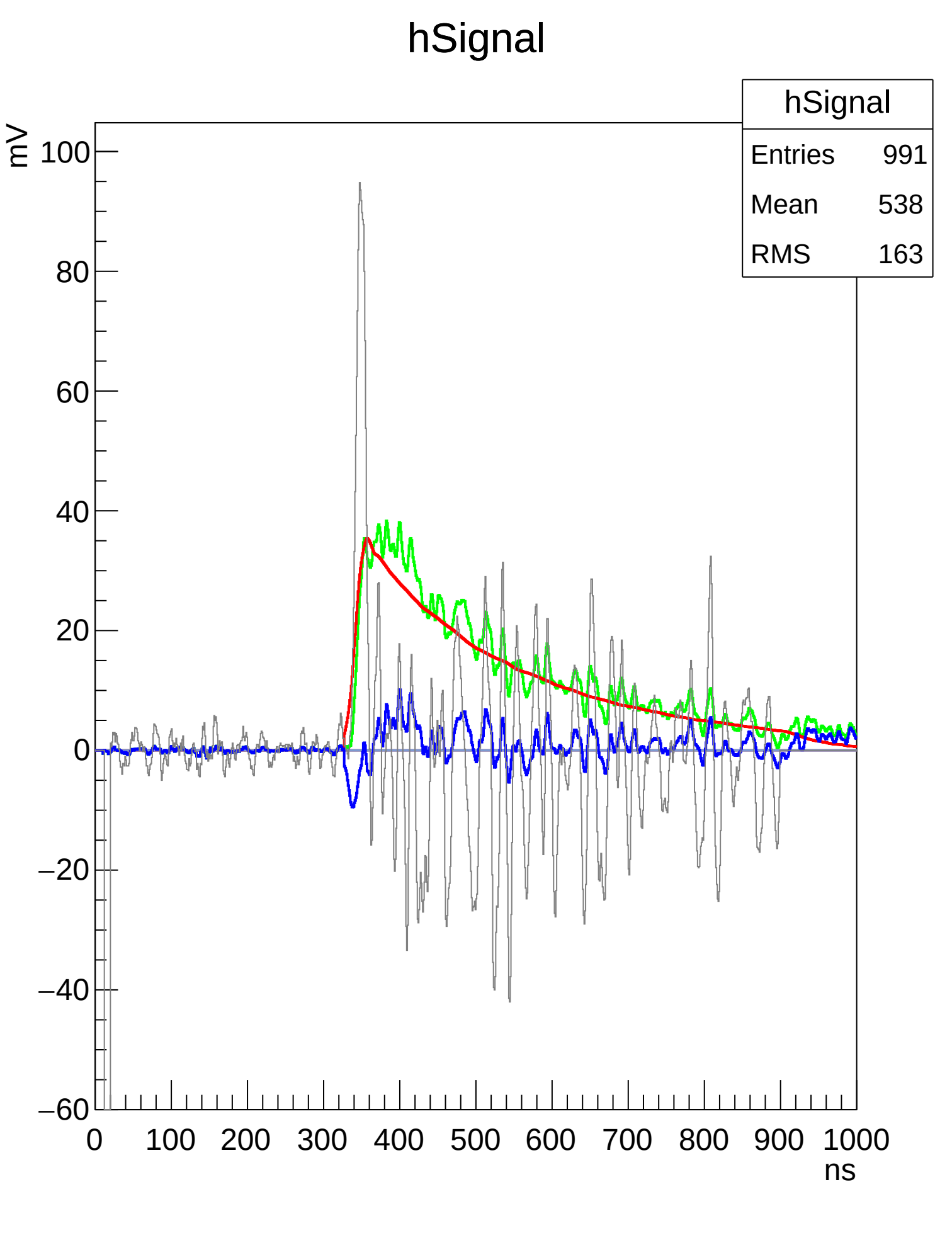
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538
RMS 163
mV
100
80
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40
20
0
−20
−40
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0
100
200
300
400
500
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800
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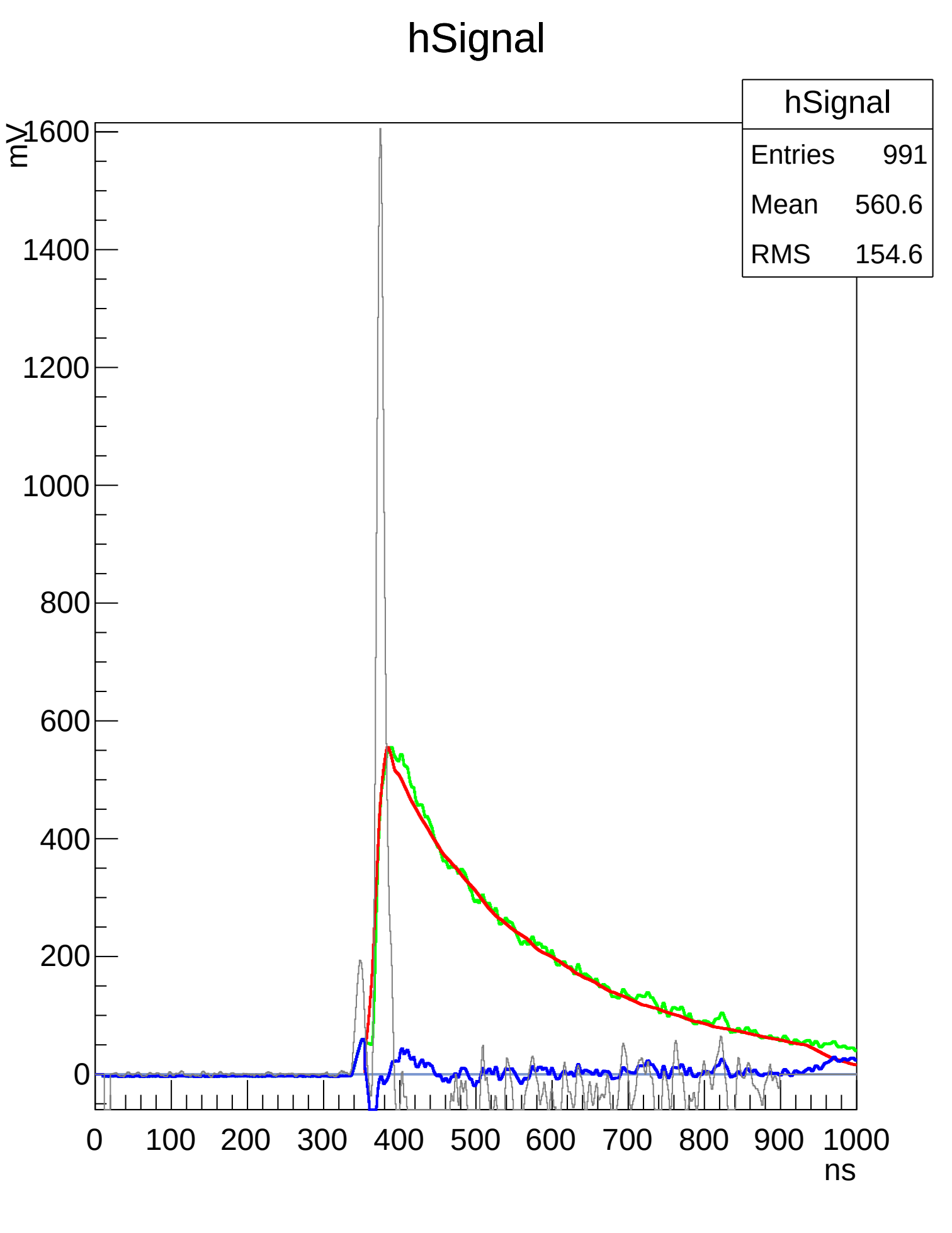
1000
ns


hSignal
hSignal
Entries 991
Mean 560.6
RMS 154.6
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
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400
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800
900
1000
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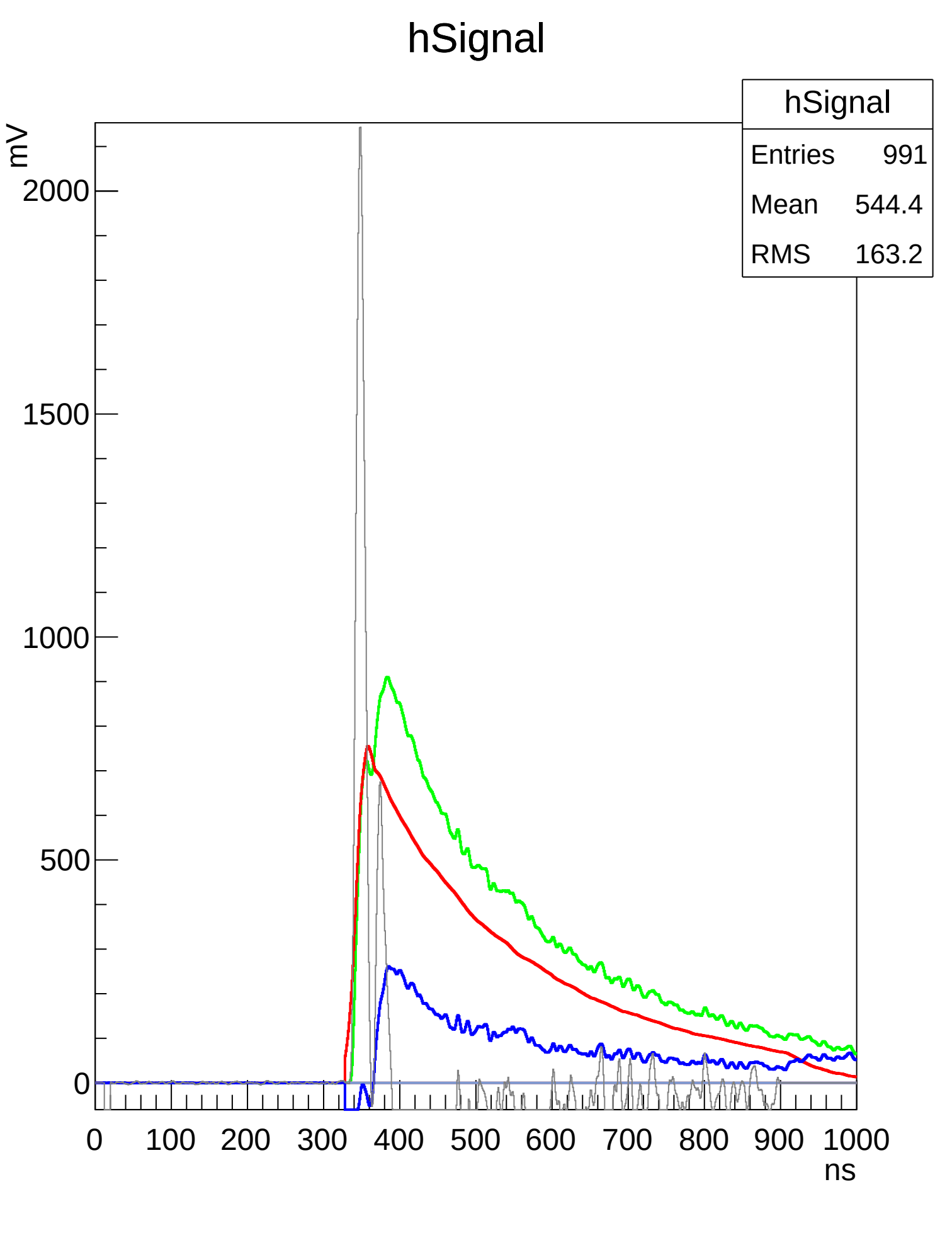
hSignal
hSignal
Entries 991
Mean 544.4
RMS 163.2
mV
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1500
1000
500
0
0
100
200
300
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600
700
800
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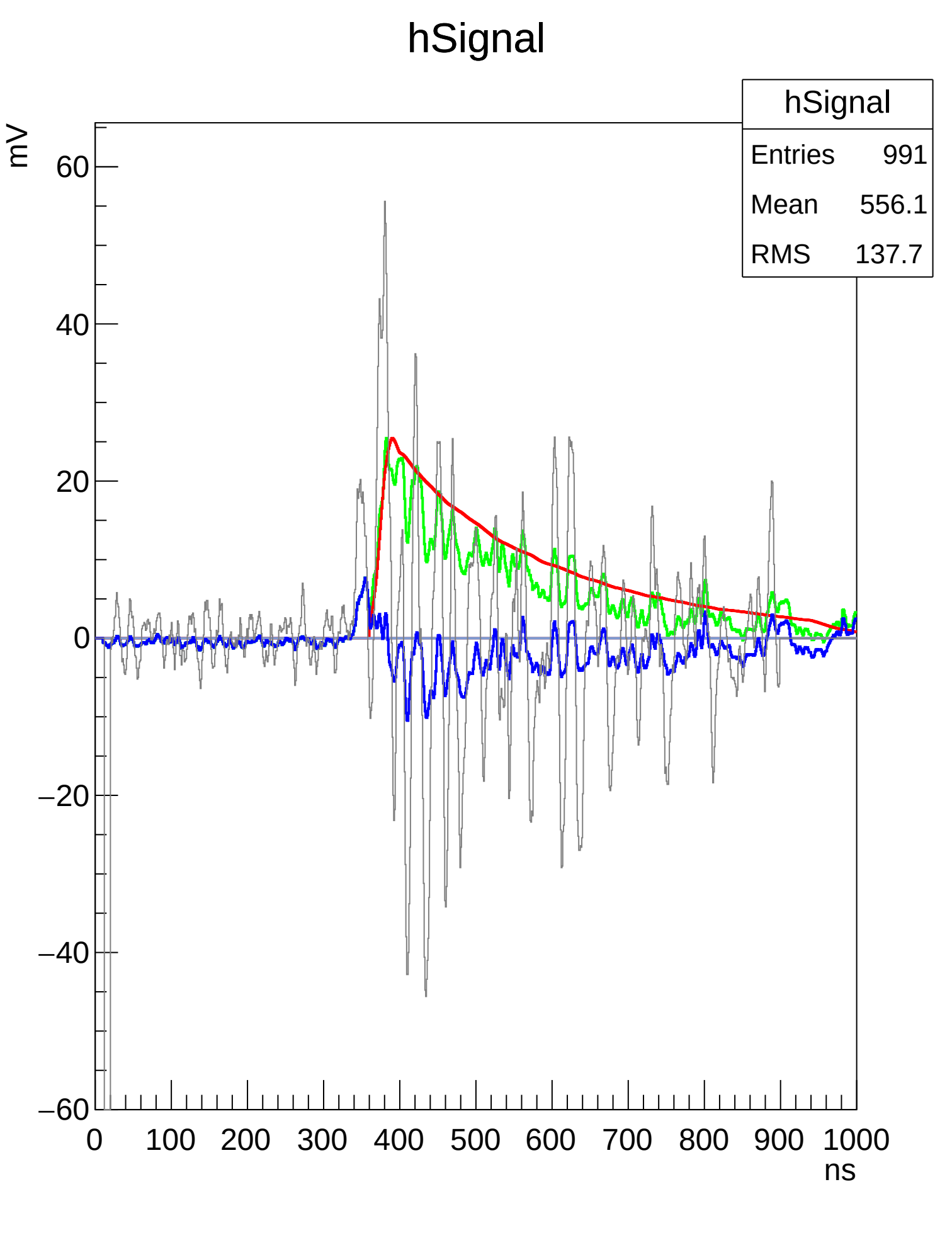
1000
ns


hSignal
hSignal
Entries 991
Mean 556.1
RMS 137.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
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500
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800
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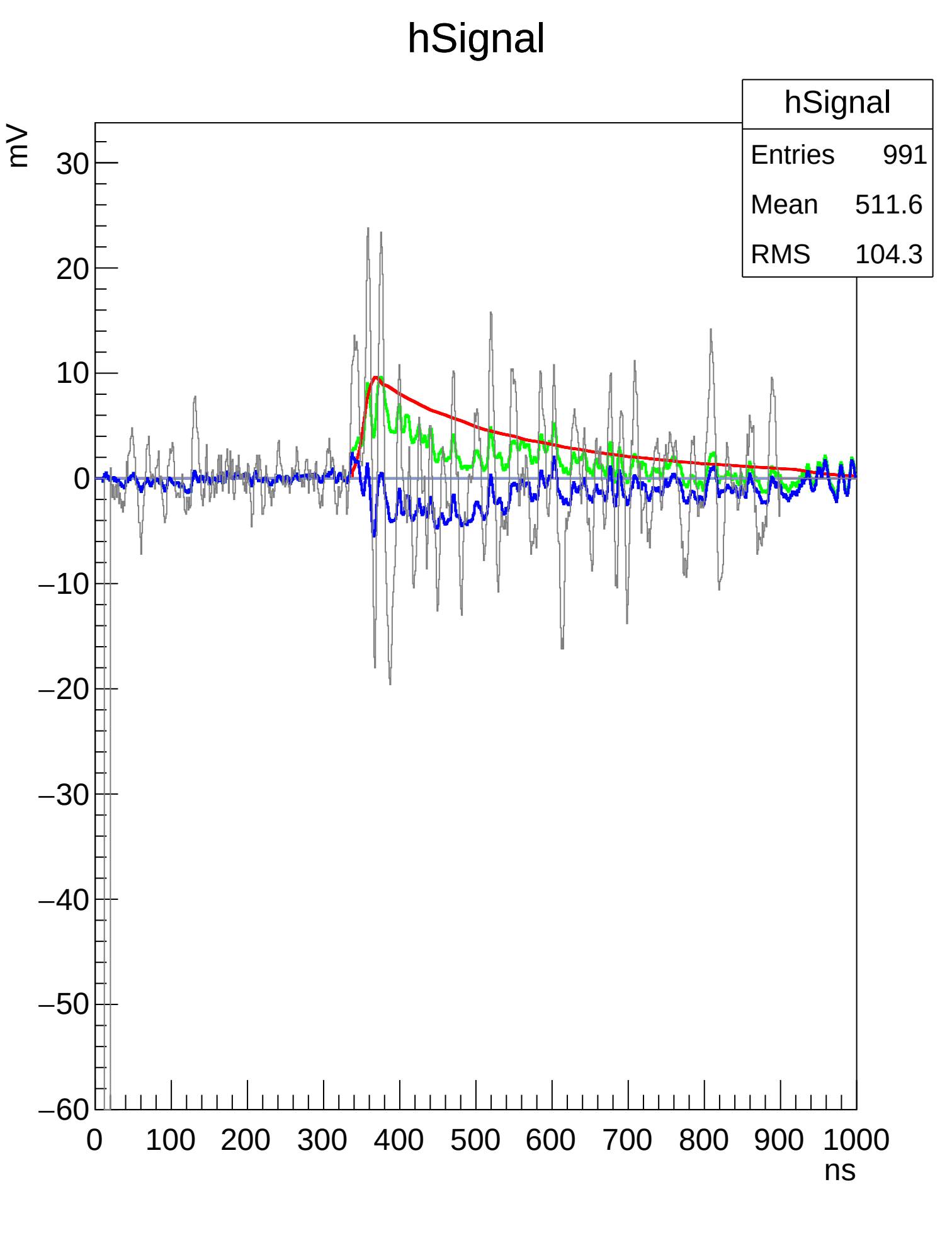
1000
ns


hSignal
hSignal
Entries 991
Mean 511.6
RMS 104.3
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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600
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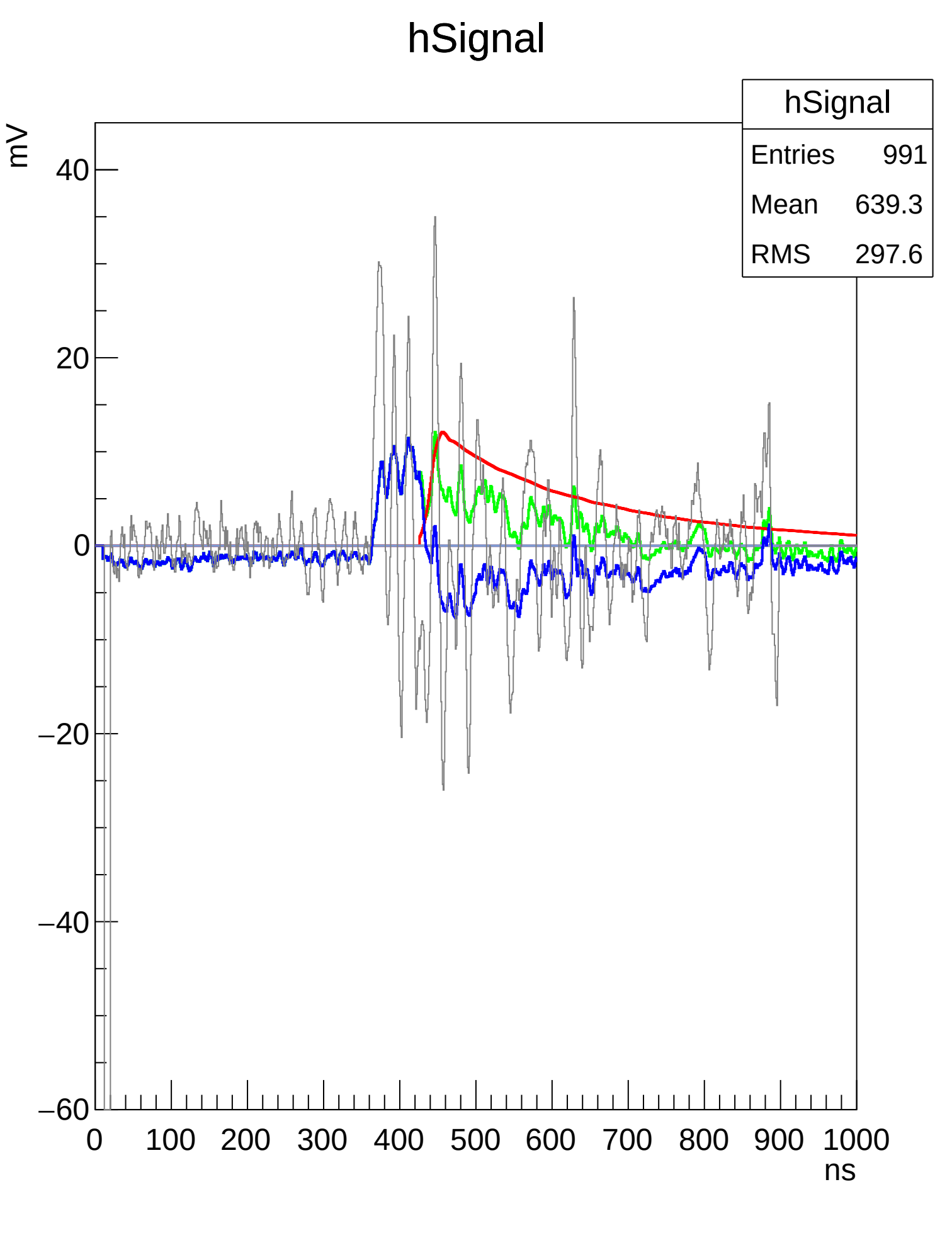
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 639.3
RMS 297.6
mV
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−20
−40
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0
100
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400
500
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800
900
1000
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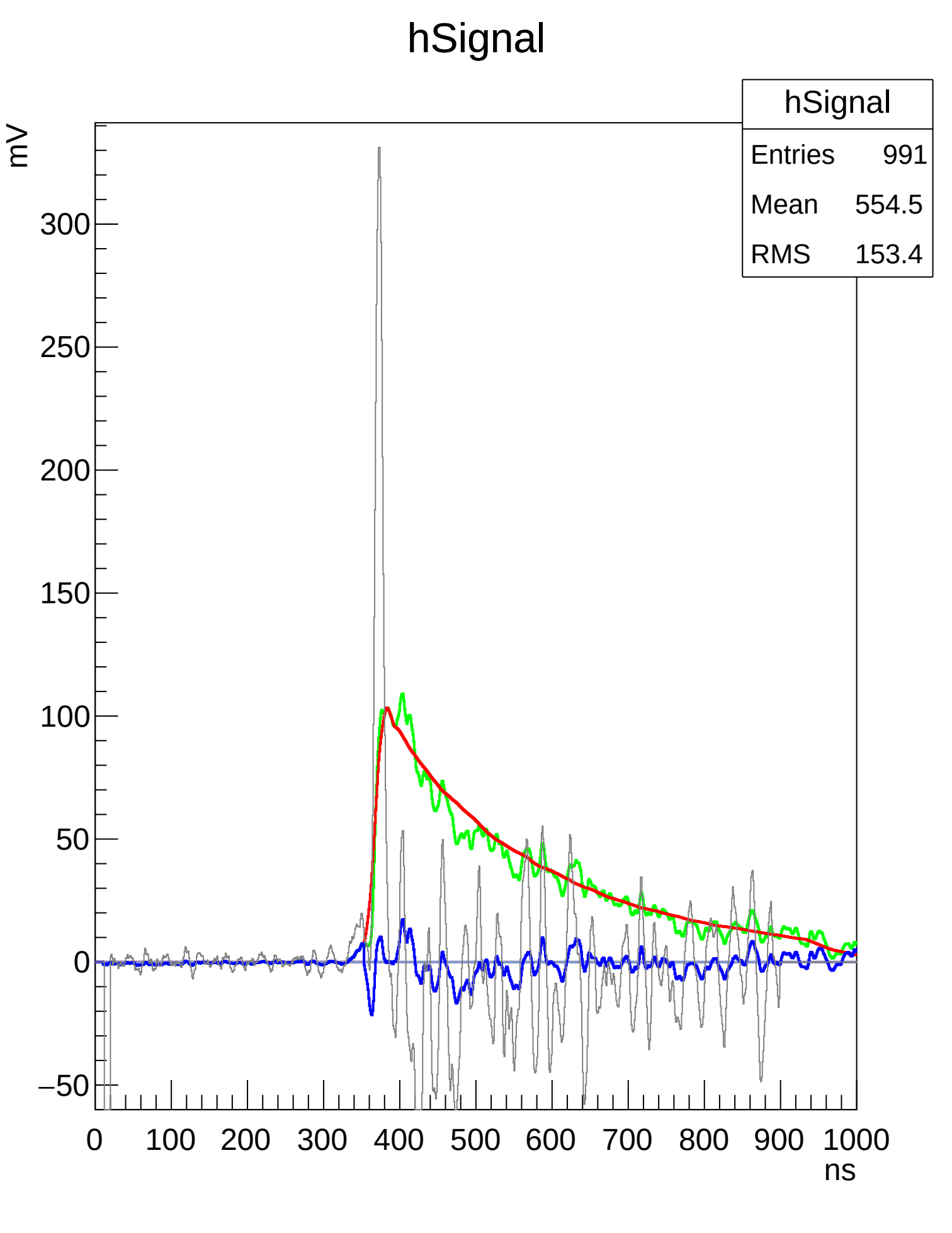
hSignal
hSignal
Entries 991
Mean 554.5
RMS 153.4
mV
300
250
200
150
100
50
0
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0
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200
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400
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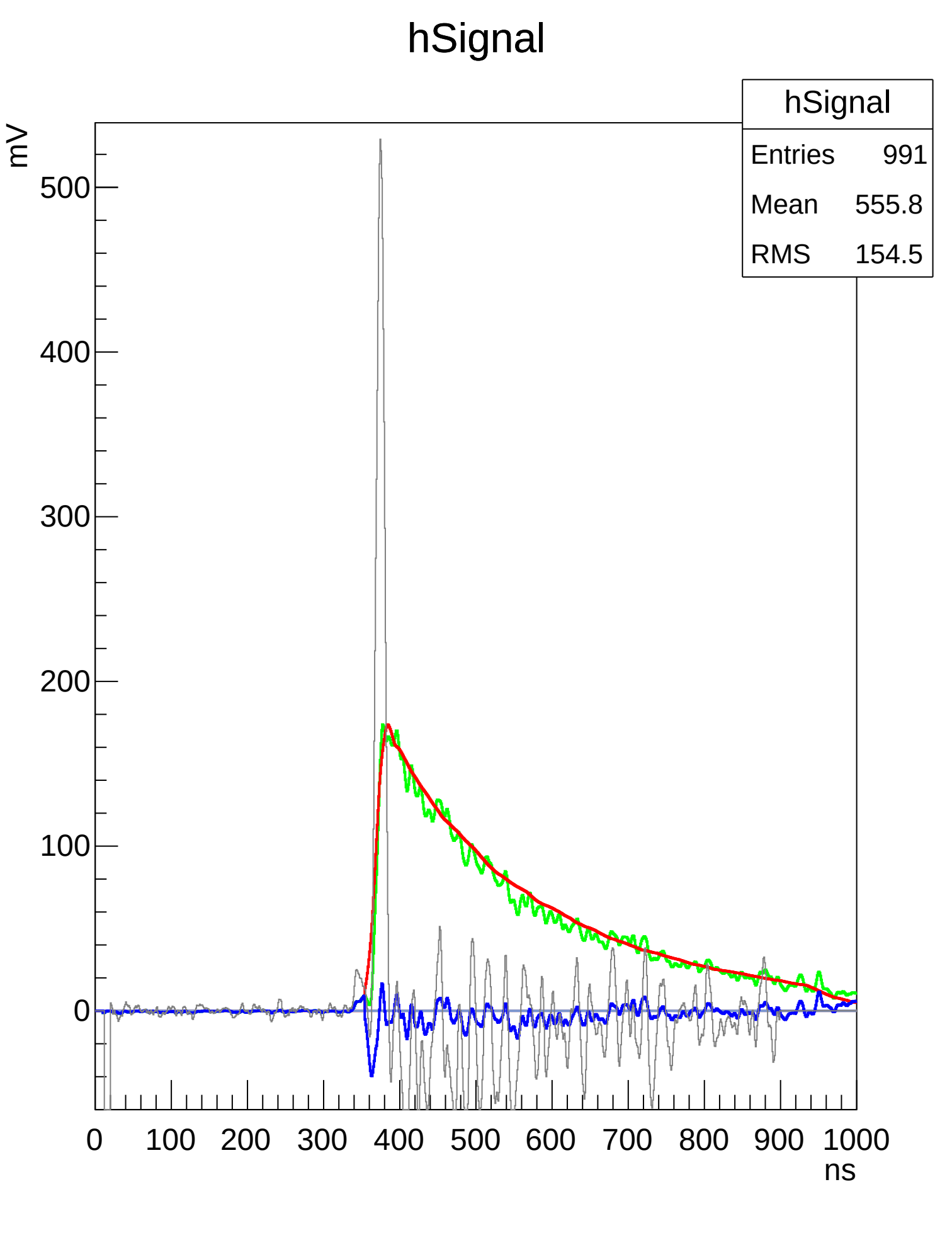
1000
ns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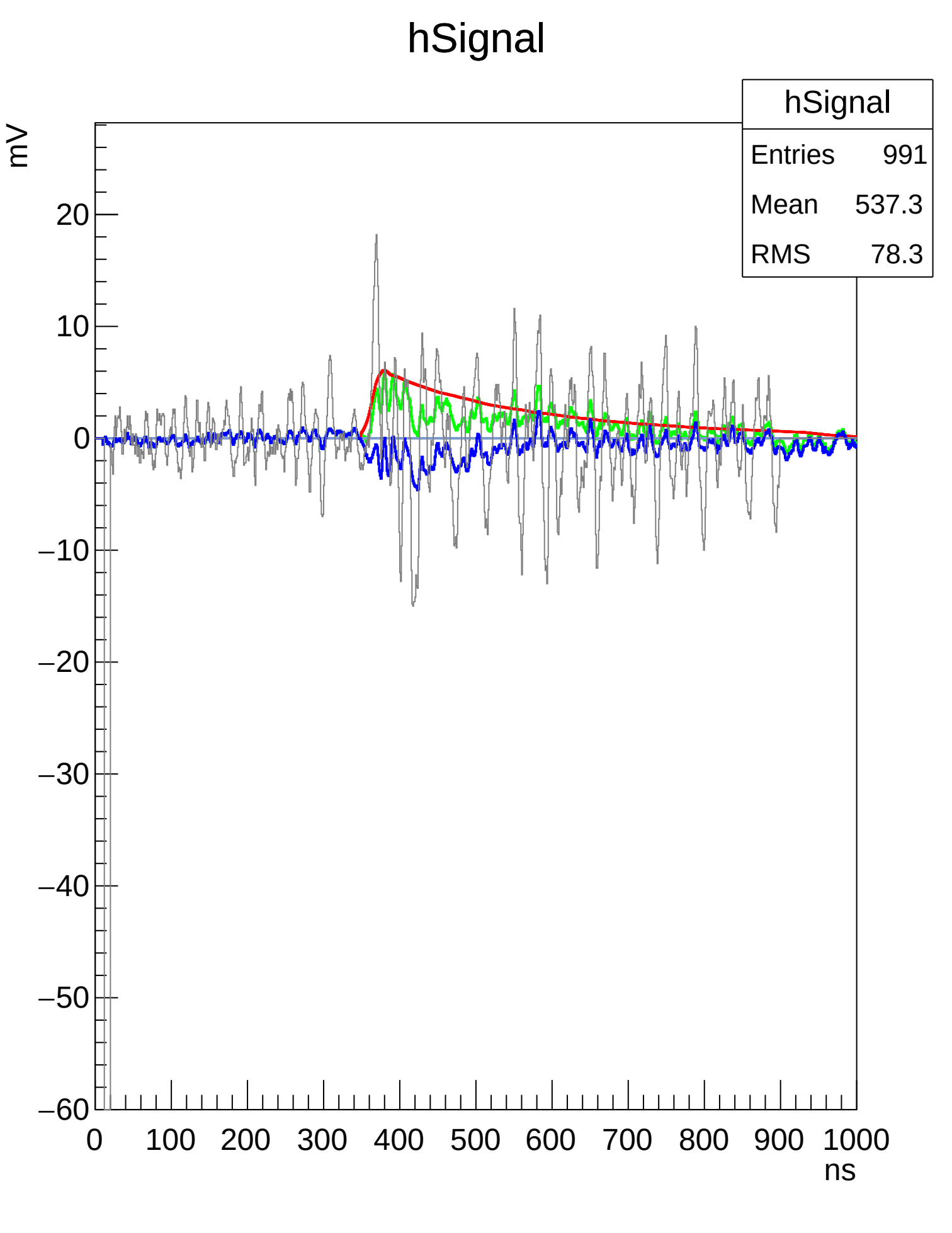
hSignal
Entries 991
Mean 555.8
RMS 154.5
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 78.3
mV
20
10
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−10
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−40
−50
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0
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200
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400
500
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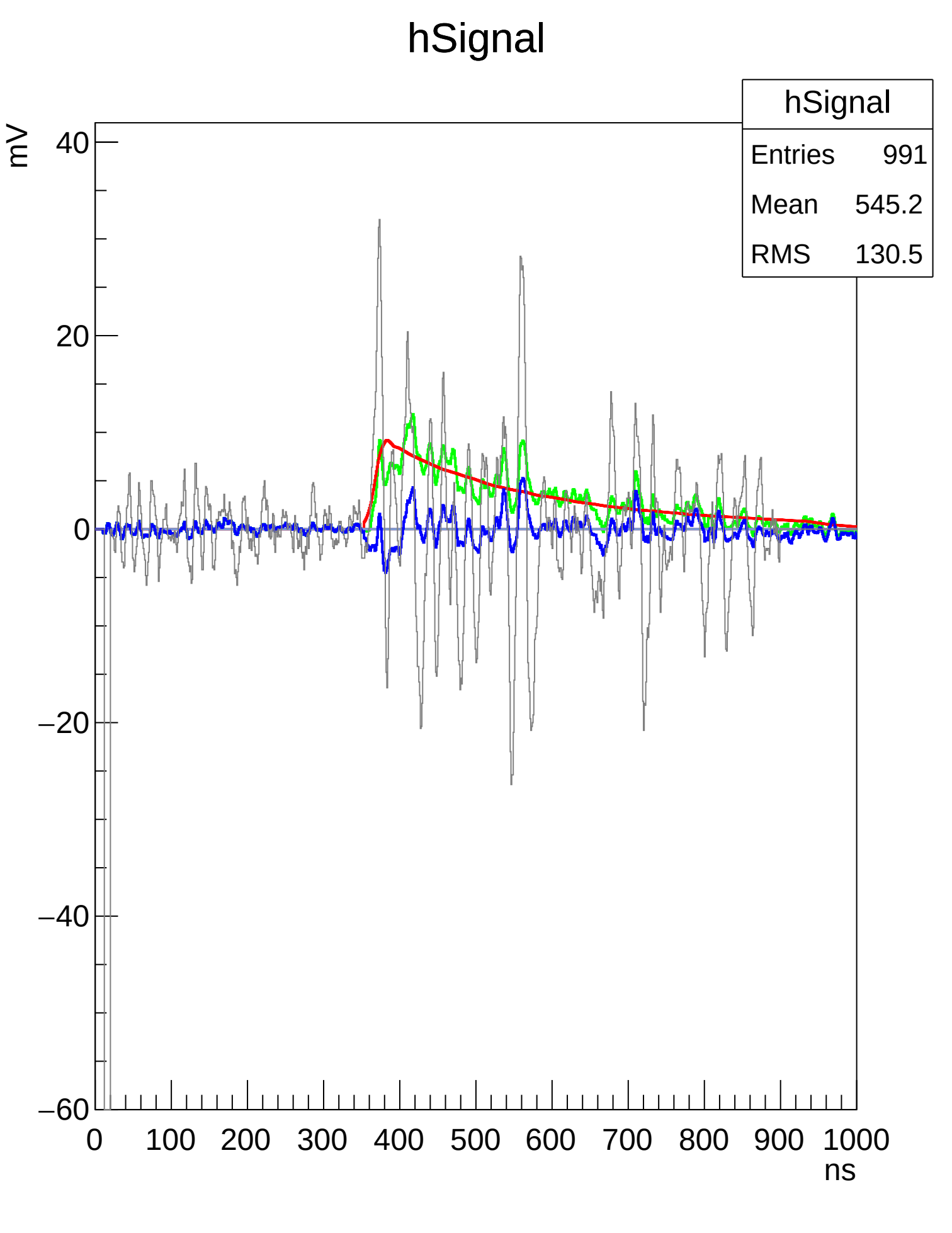
1000
ns


hSignal
hSignal
Entries 991
Mean 545.2
RMS 130.5
mV
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−20
−40
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0
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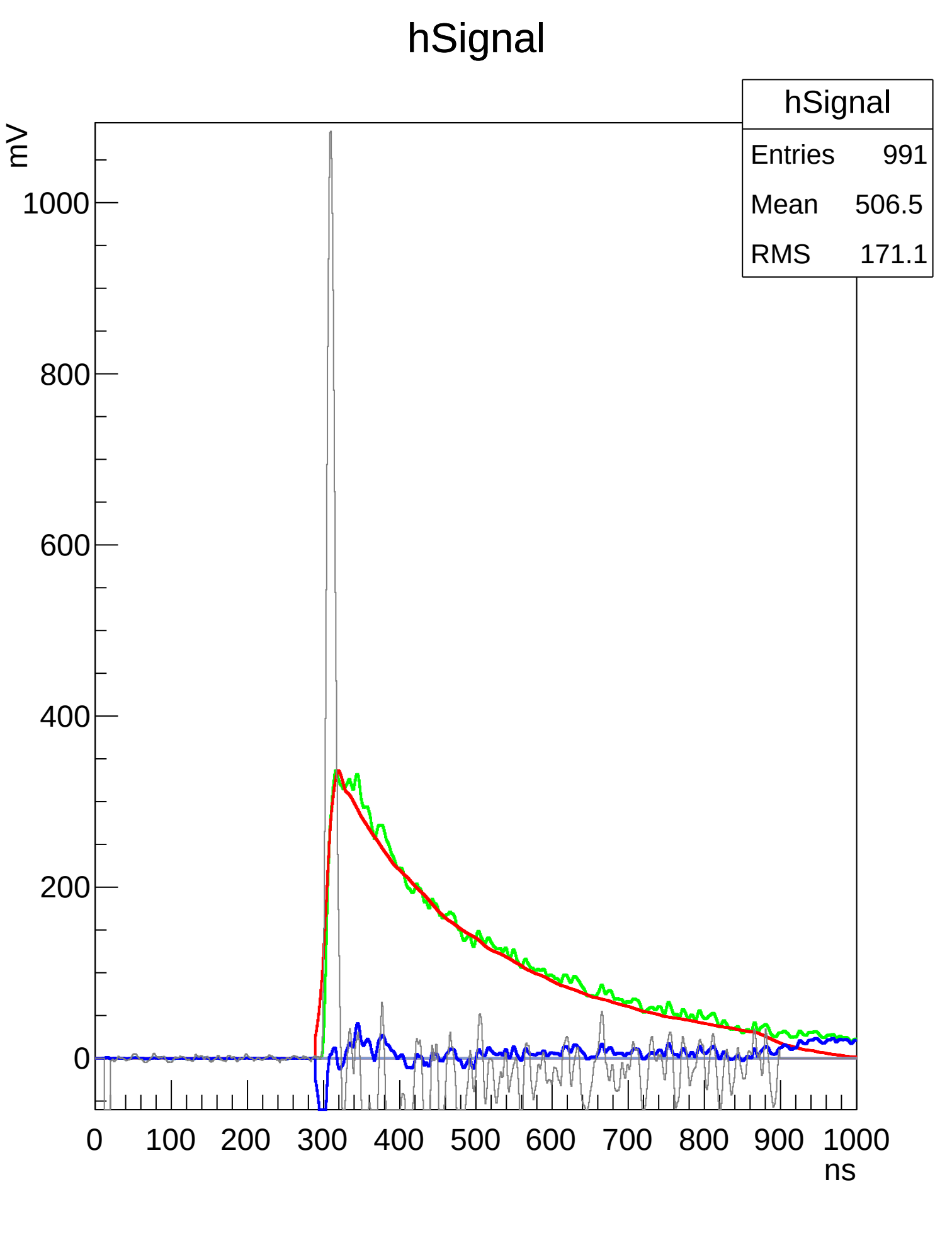
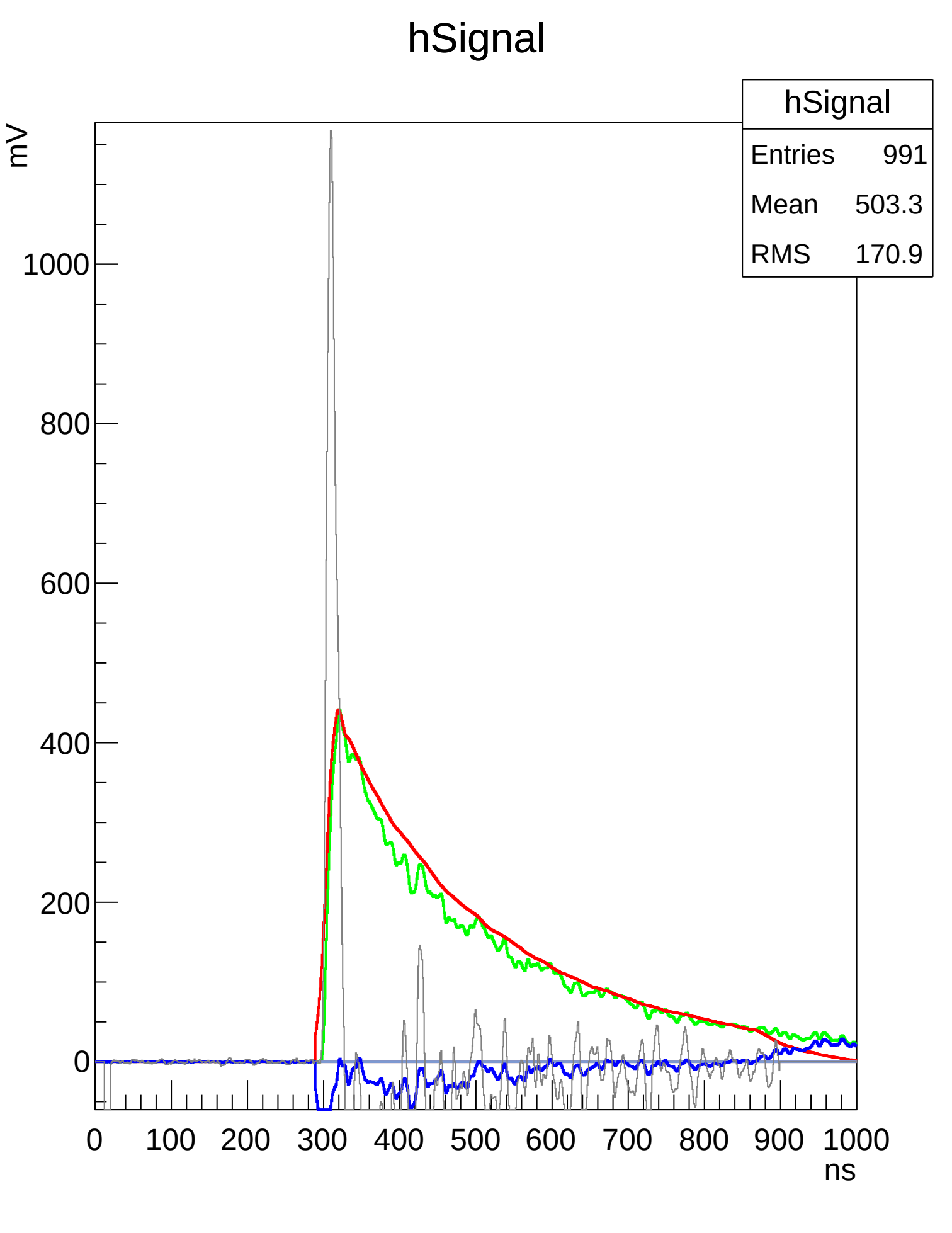
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.5
RMS 171.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.3
RMS 170.9
mV
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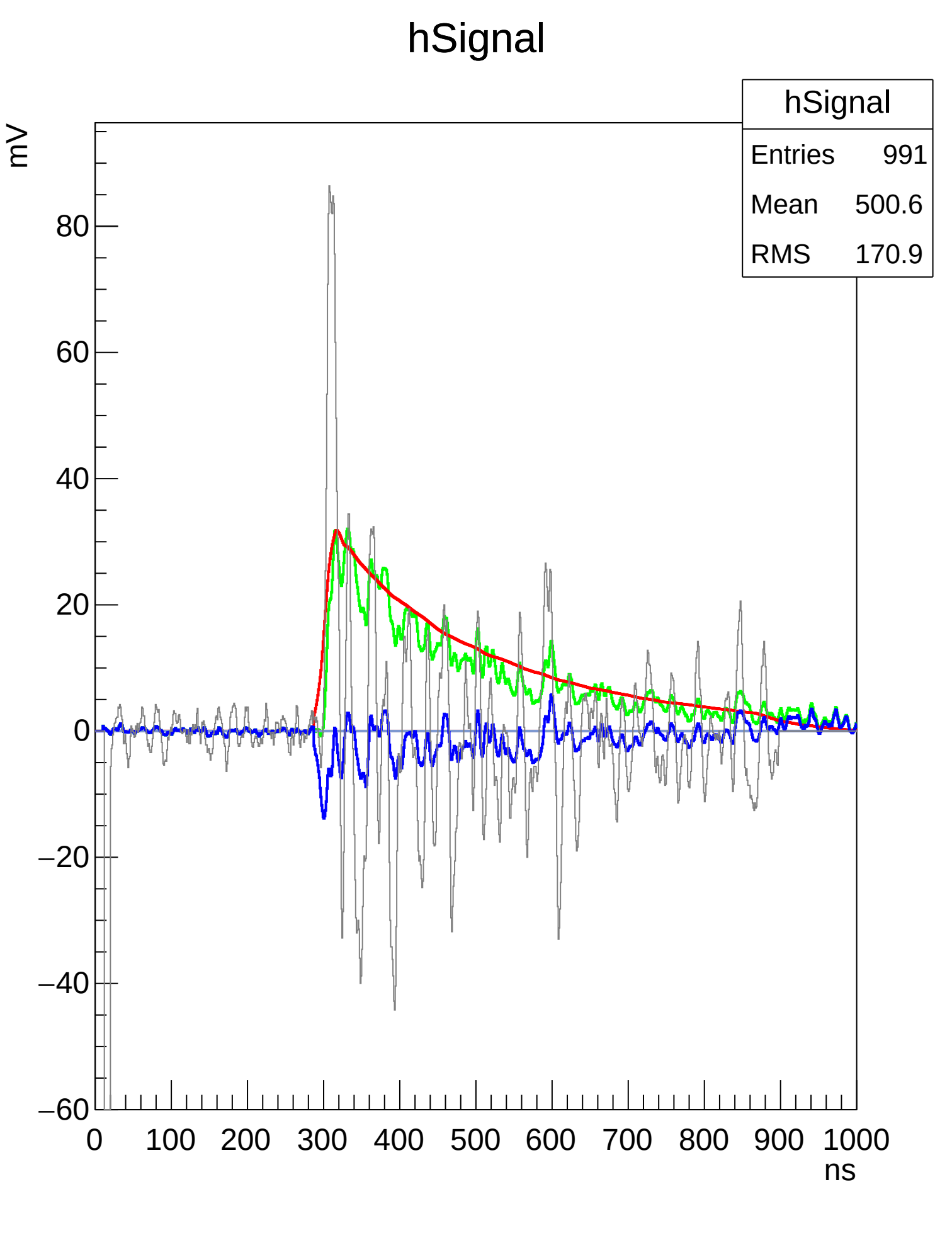
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500.6
RMS 170.9
mV
80
60
40
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−20
−40
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600
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800
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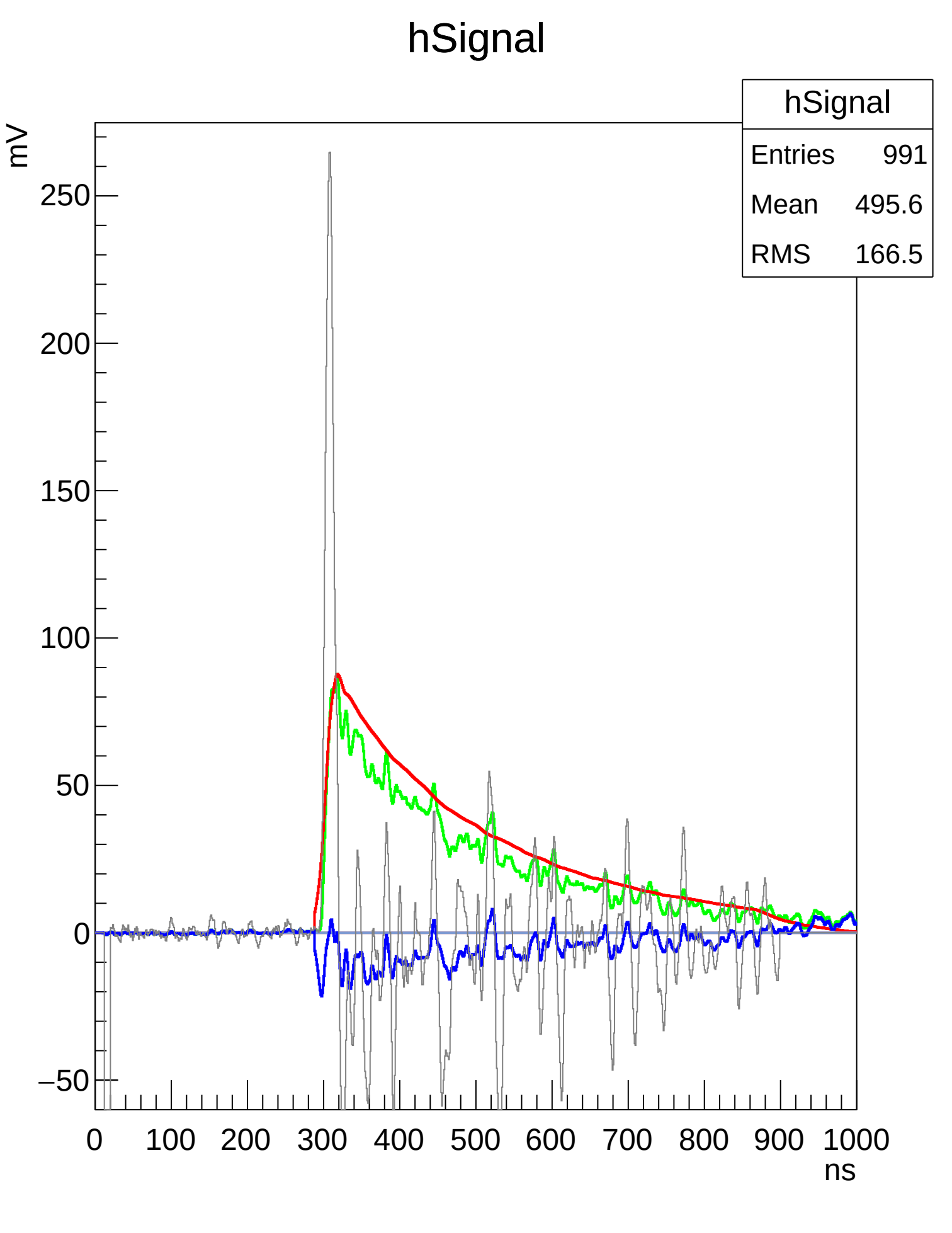
1000
ns


hSignal
hSignal
Entries 991
Mean 495.6
RMS 166.5
mV
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200
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100
50
0
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0
100
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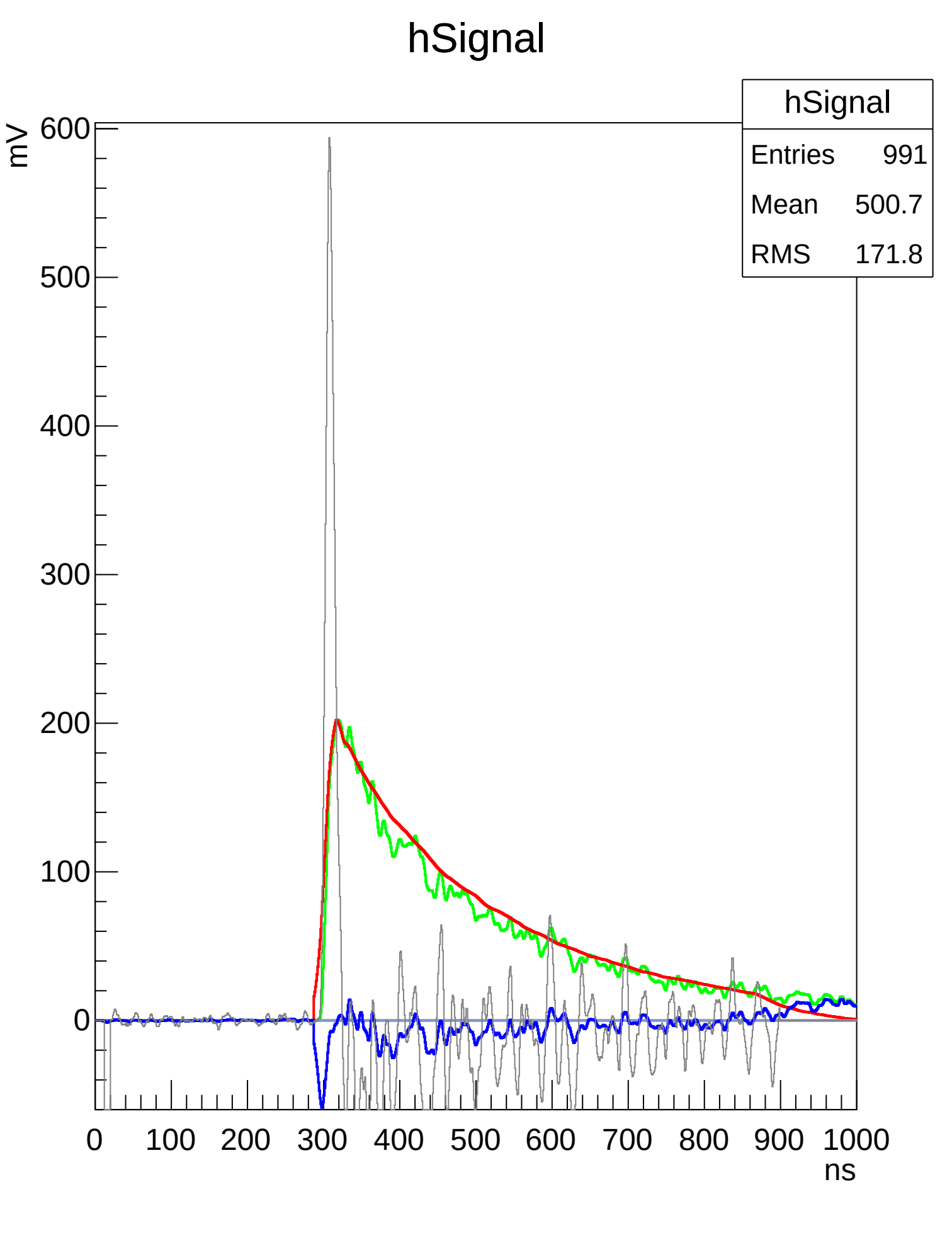
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500.7
RMS 171.8
mV
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500
400
300
200
100
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0
100
200
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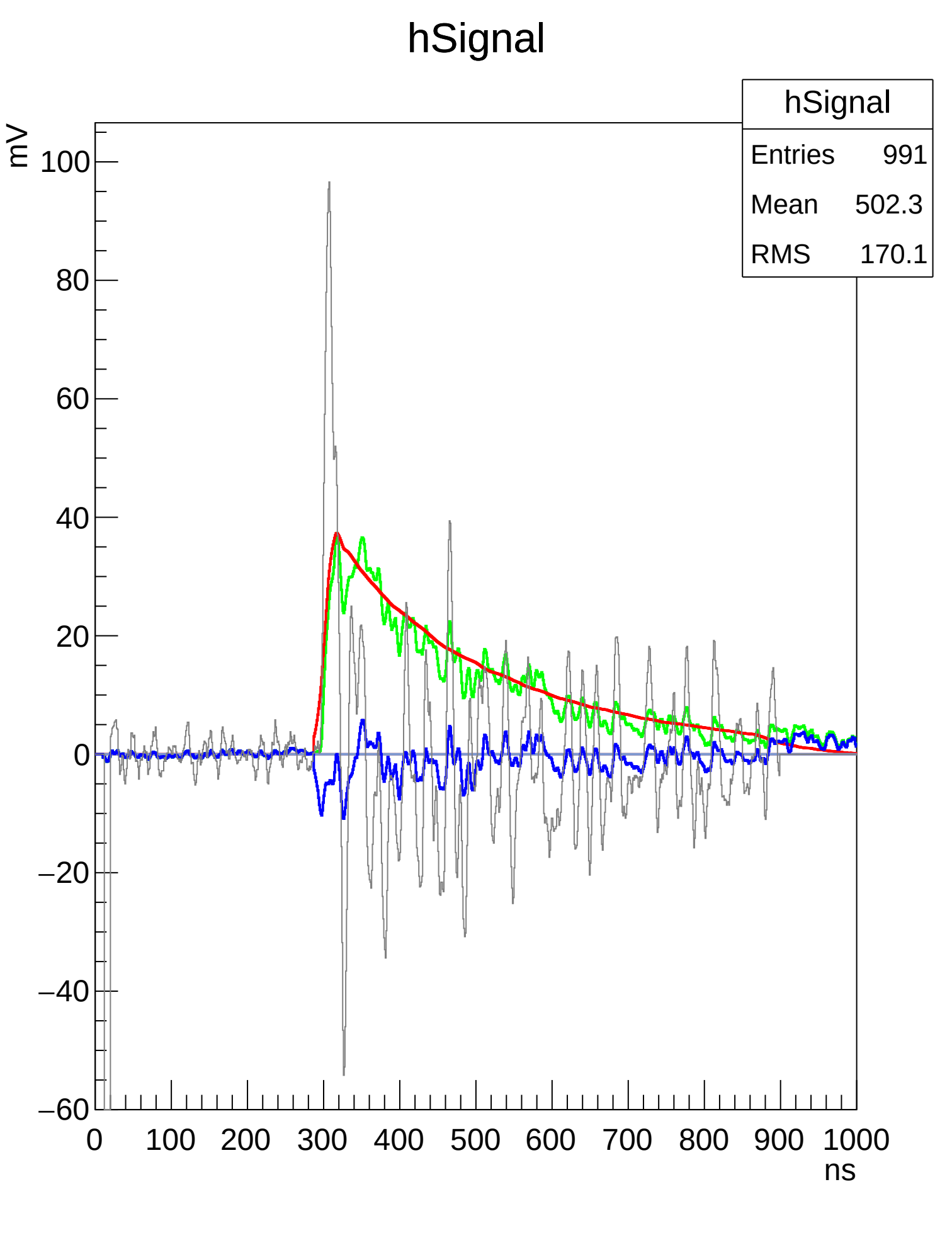
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.3
RMS 170.1
mV
100
80
60
40
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−40
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0
100
200
300
400
500
600
700
800
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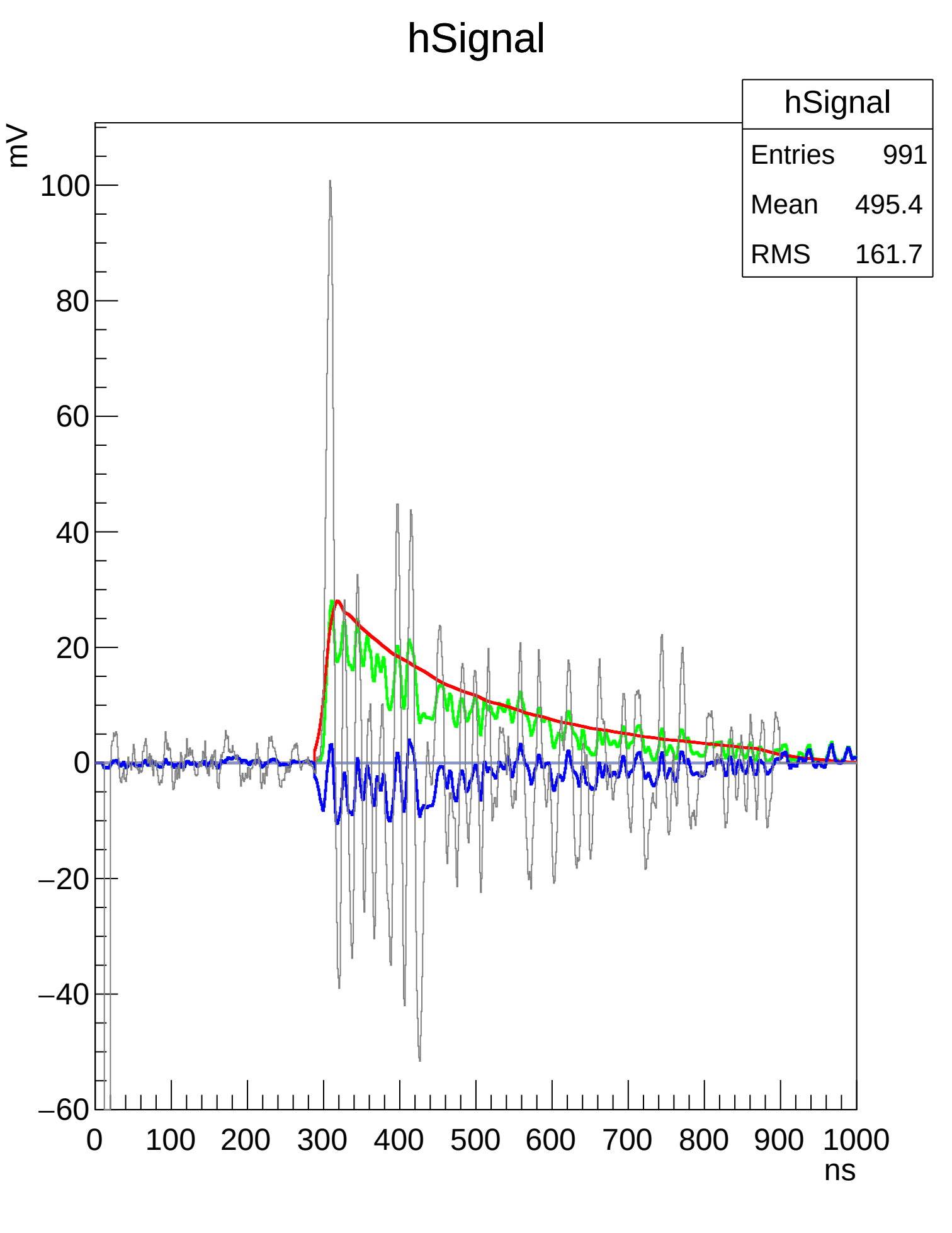
1000
ns


hSignal
hSignal
Entries 991
Mean 495.4
RMS 161.7
mV
100
80
60
40
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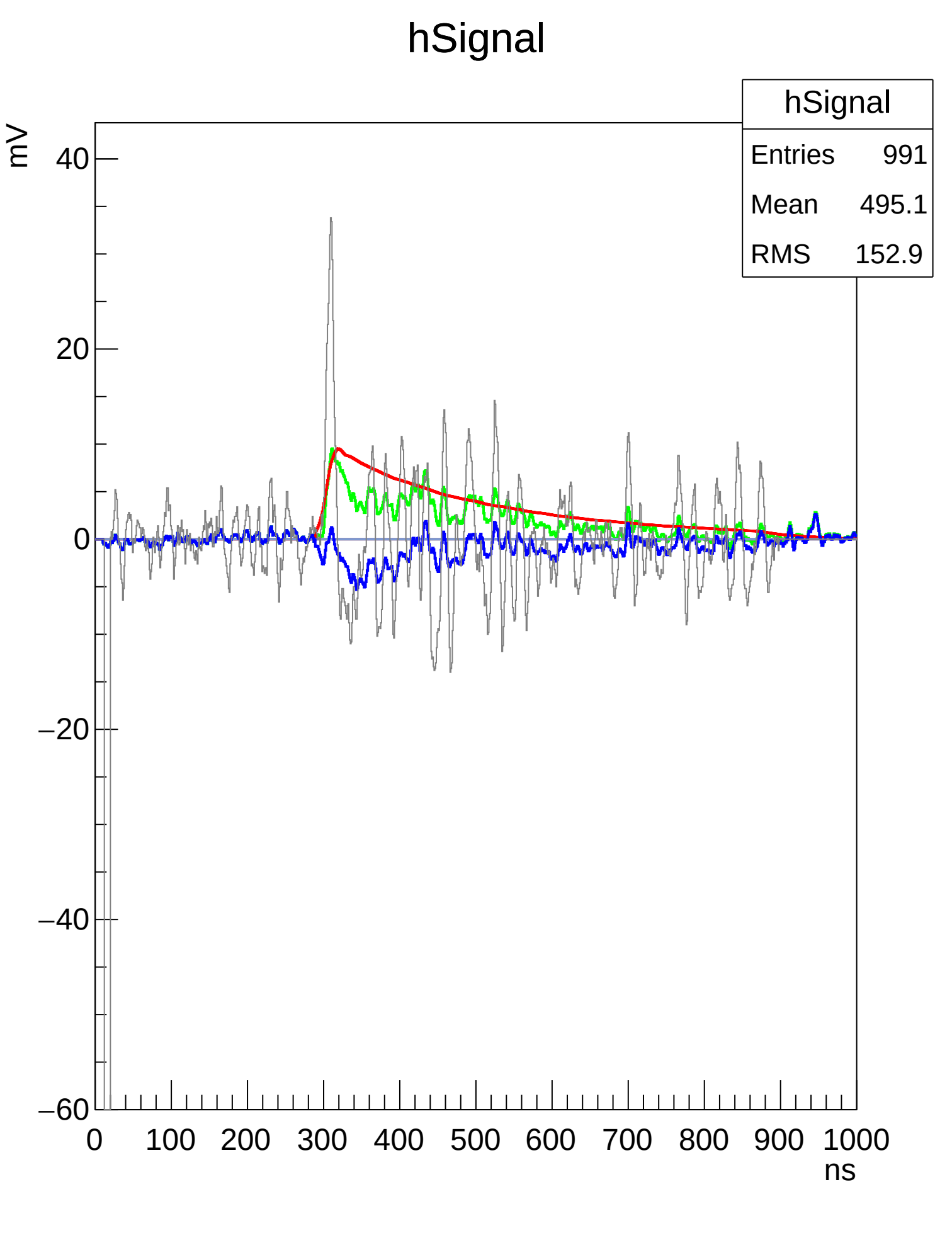
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.1
RMS 152.9
mV
40
20
0
−20
−40
−60
0
100
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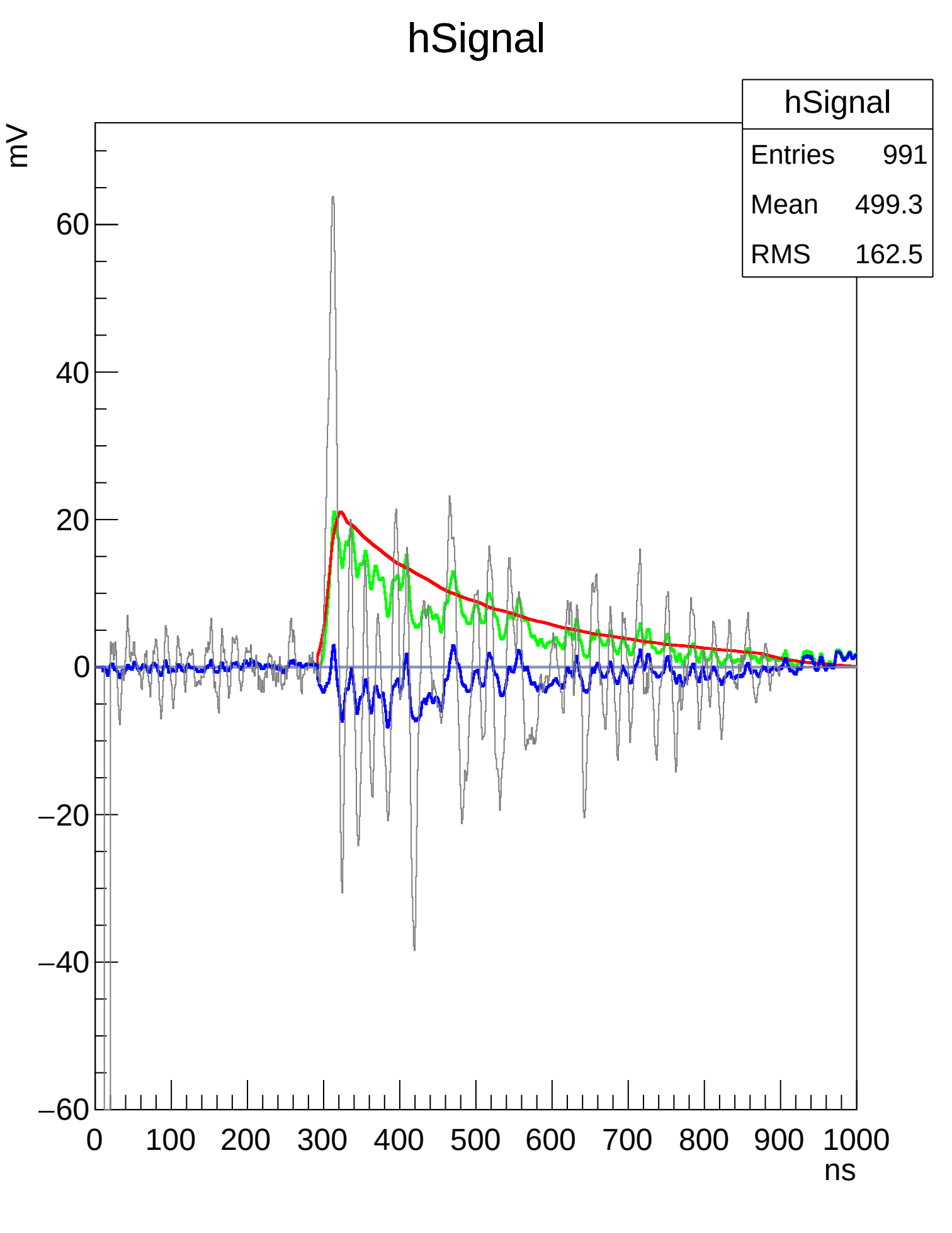
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.3
RMS 162.5
mV
60
40
20
0
−20
−40
−60
0
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200
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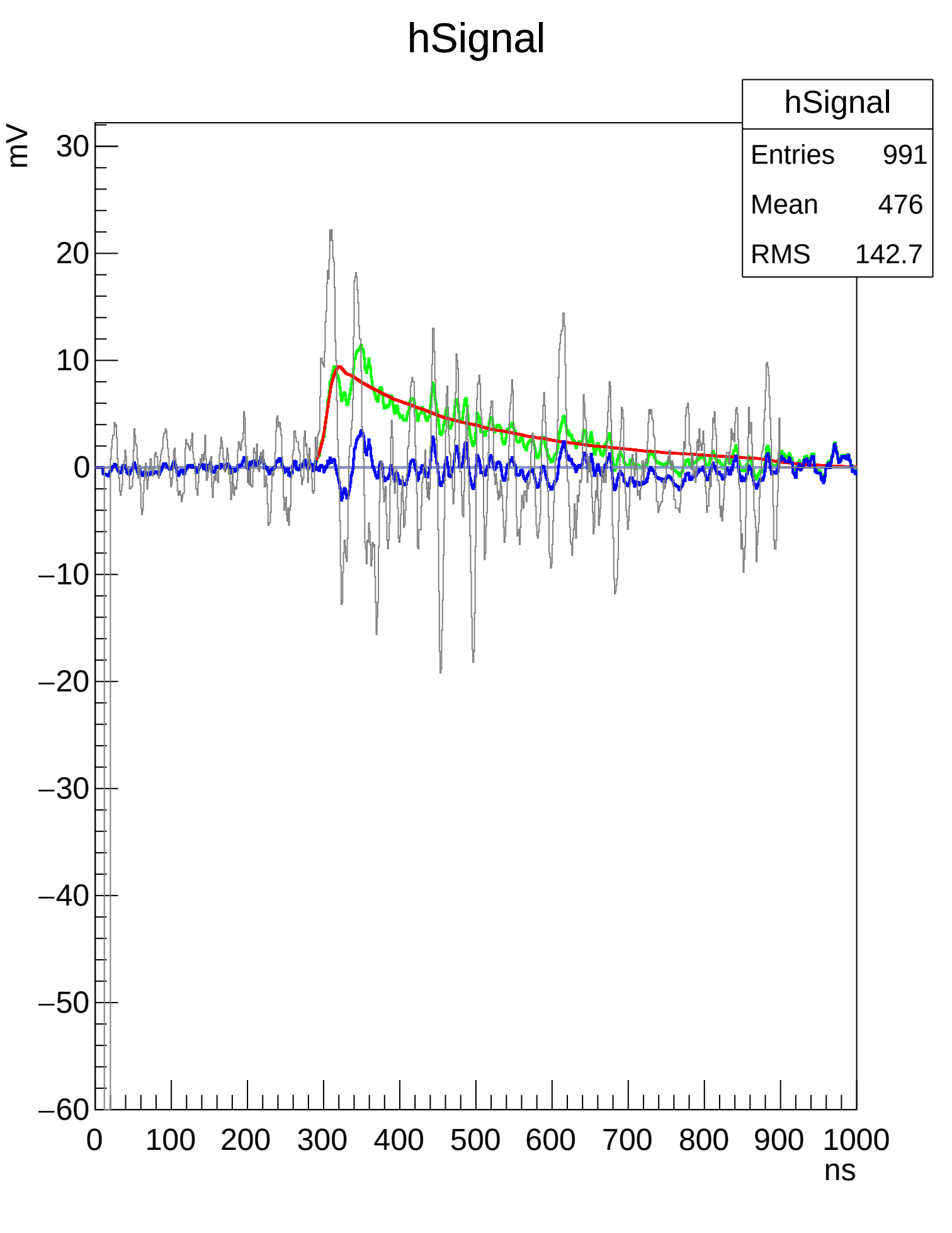
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 476
RMS 142.7
mV
30
20
10
0
−10
−20
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−40
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−60
0
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200
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500
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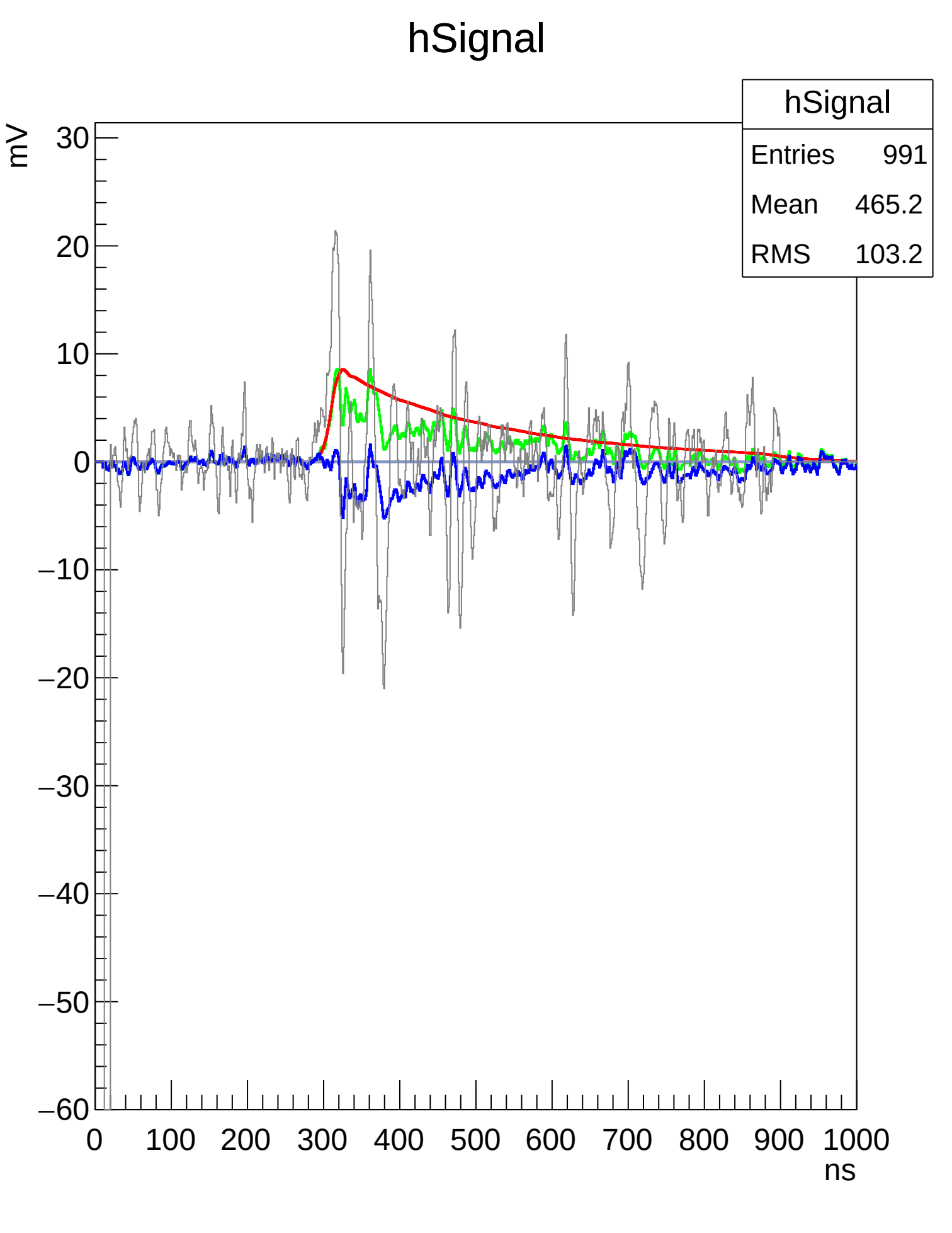
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 465.2
RMS 103.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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600
700
800
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1000
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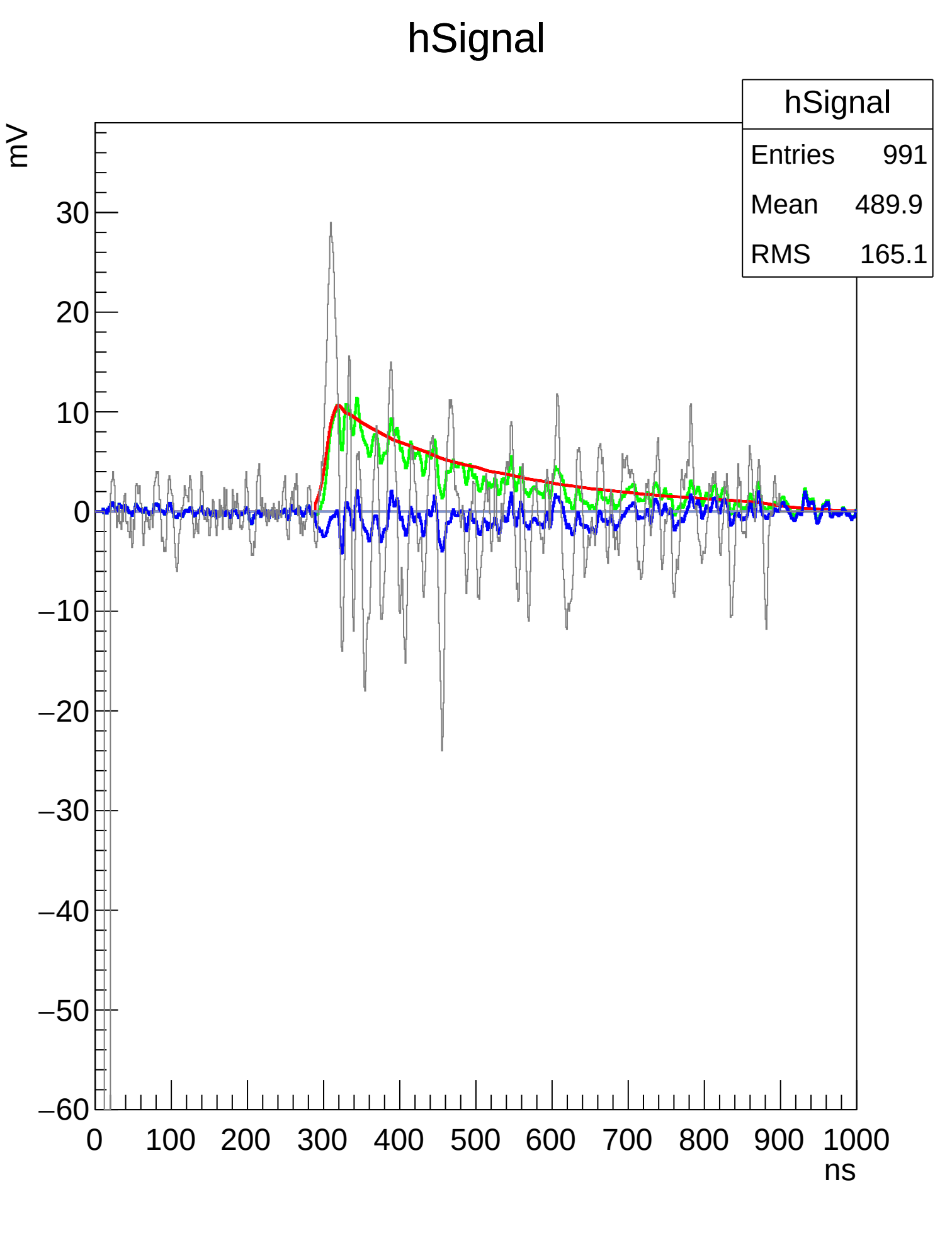
hSignal
hSignal
Entries 991
Mean 489.9
RMS 165.1
mV
30
20
10
0
−10
−20
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−50
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0
100
200
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400
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1000
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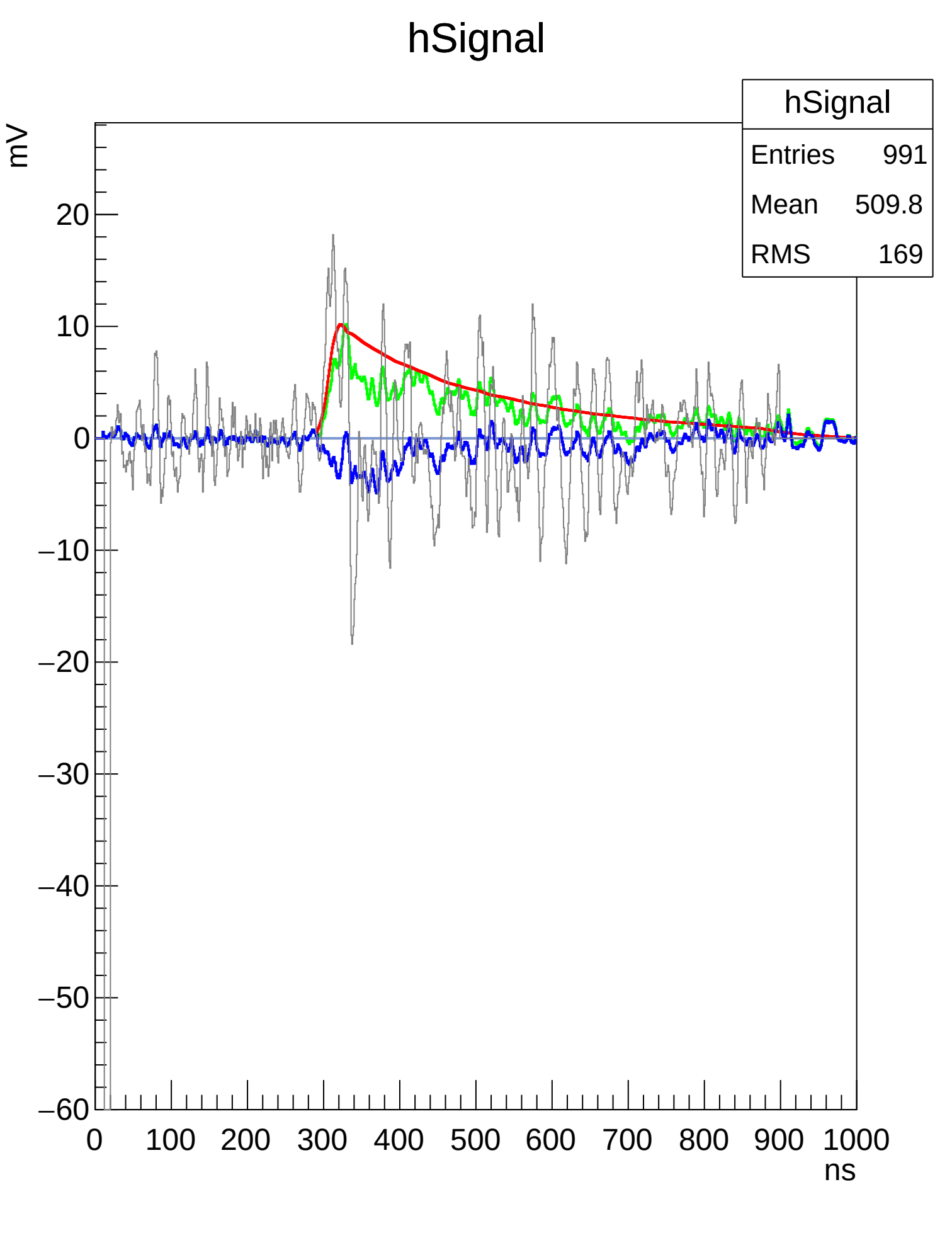
hSignal
hSignal
Entries 991
Mean 509.8
RMS 169
mV
20
10
0
−10
−20
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−40
−50
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0
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200
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400
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800
900
1000
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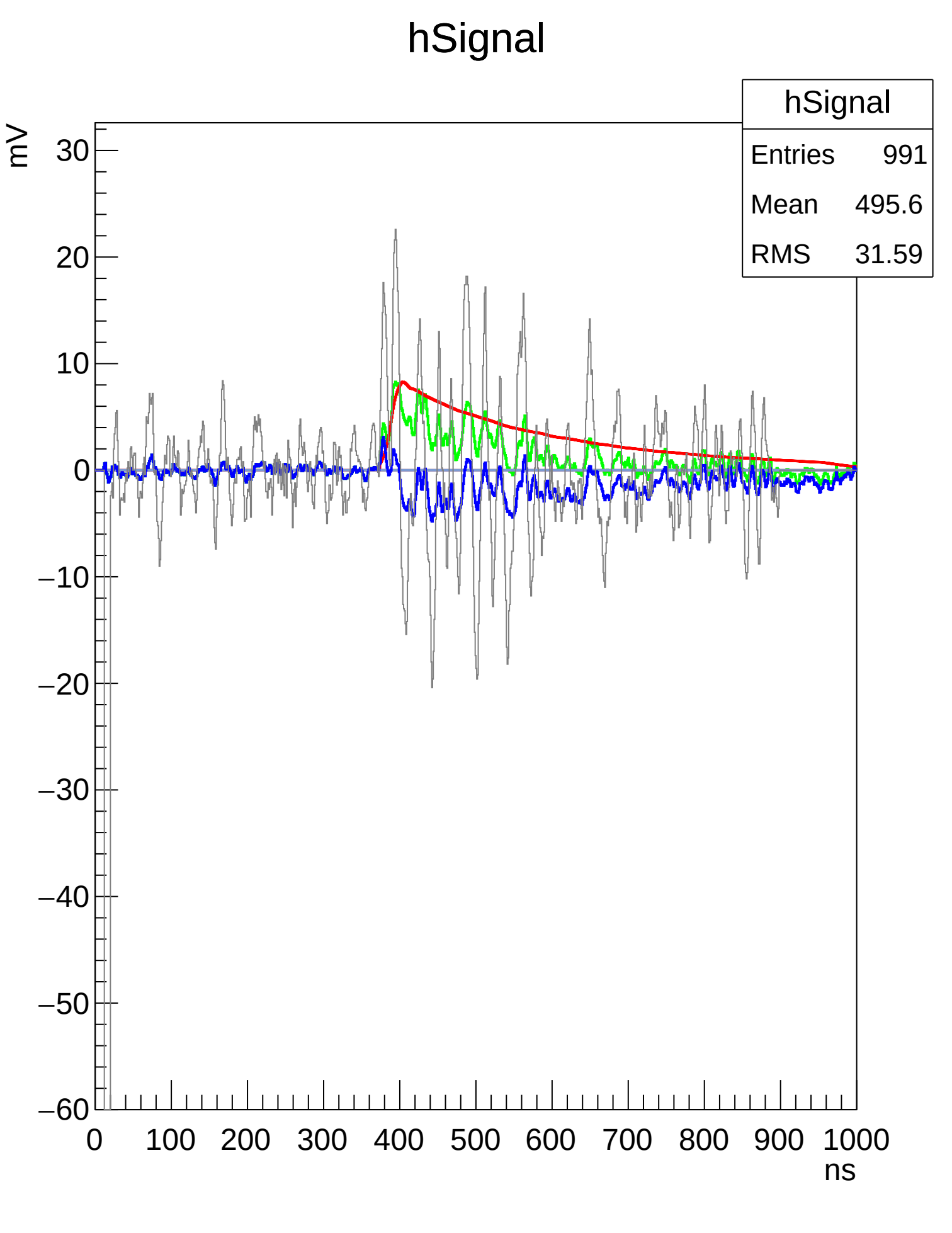
hSignal
hSignal
Entries 991
Mean 495.6
RMS 31.59
mV
30
20
10
0
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−40
−50
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0
100
200
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400
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800
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1000
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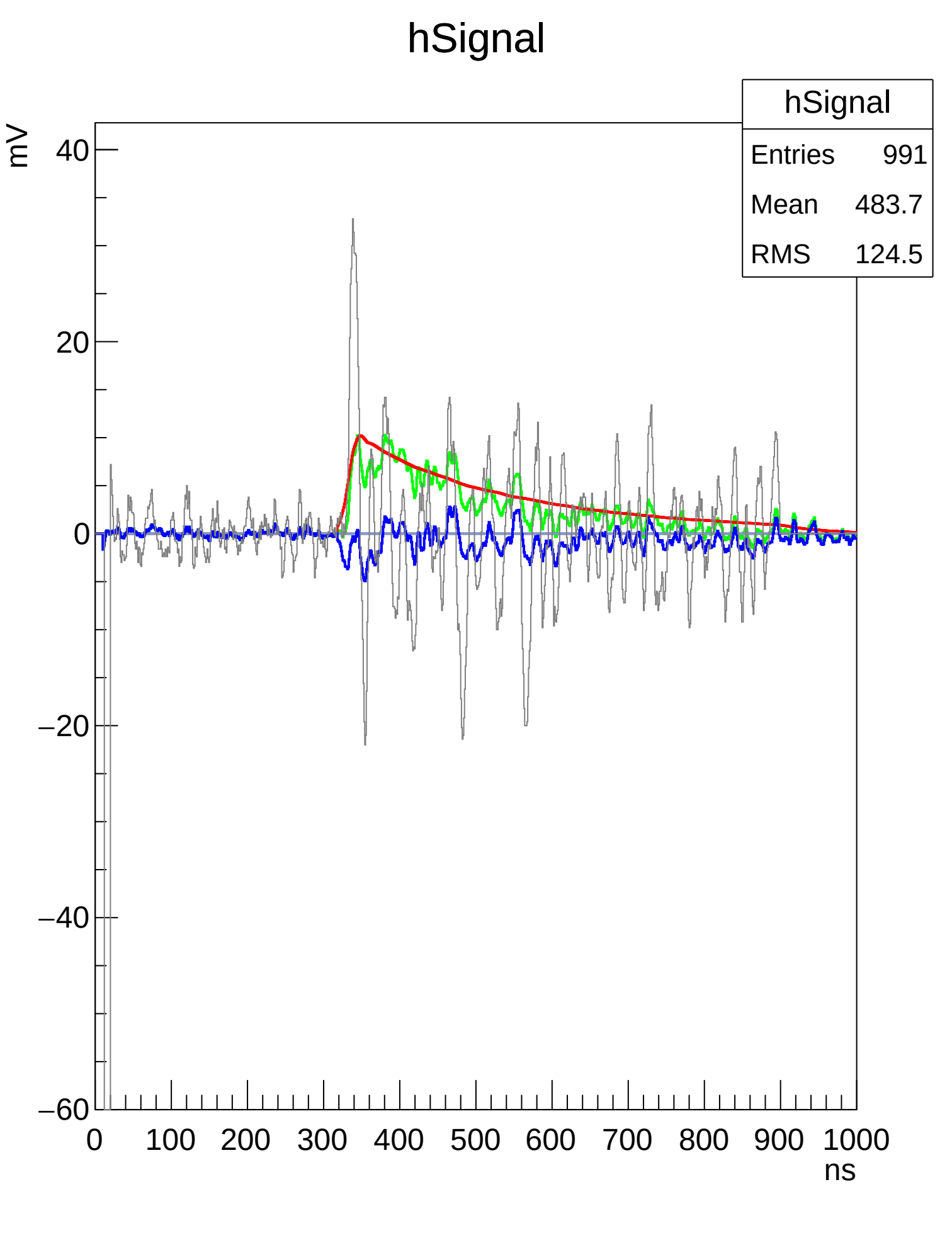
hSignal
hSignal
Entries 991
Mean 483.7
RMS 124.5
mV
40
20
0
−20
−40
−60
0
100
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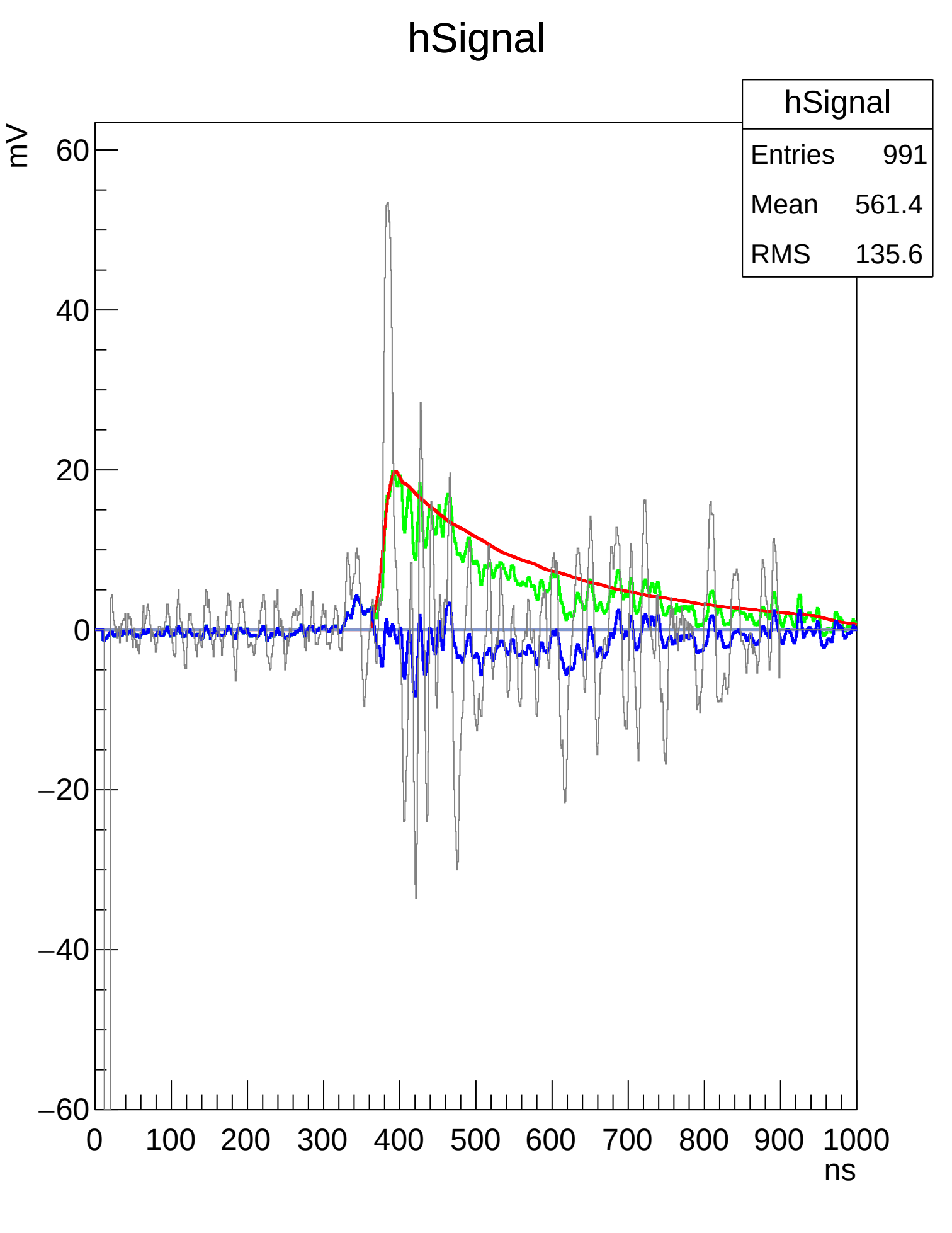
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.4
RMS 135.6
mV
60
40
20
0
−20
−40
−60
0
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600
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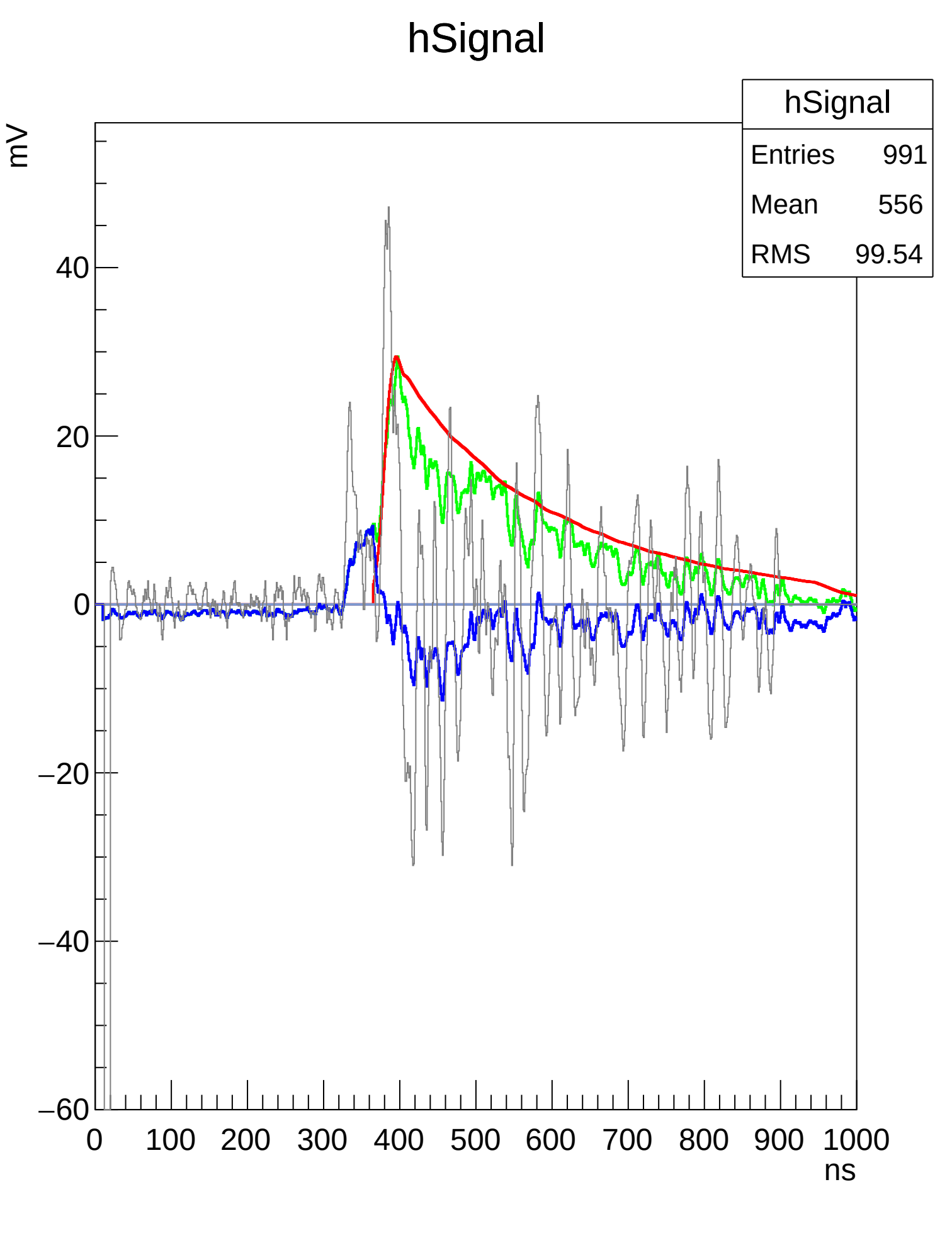
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556
RMS 99.54
mV
40
20
0
−20
−40
−60
0
100
200
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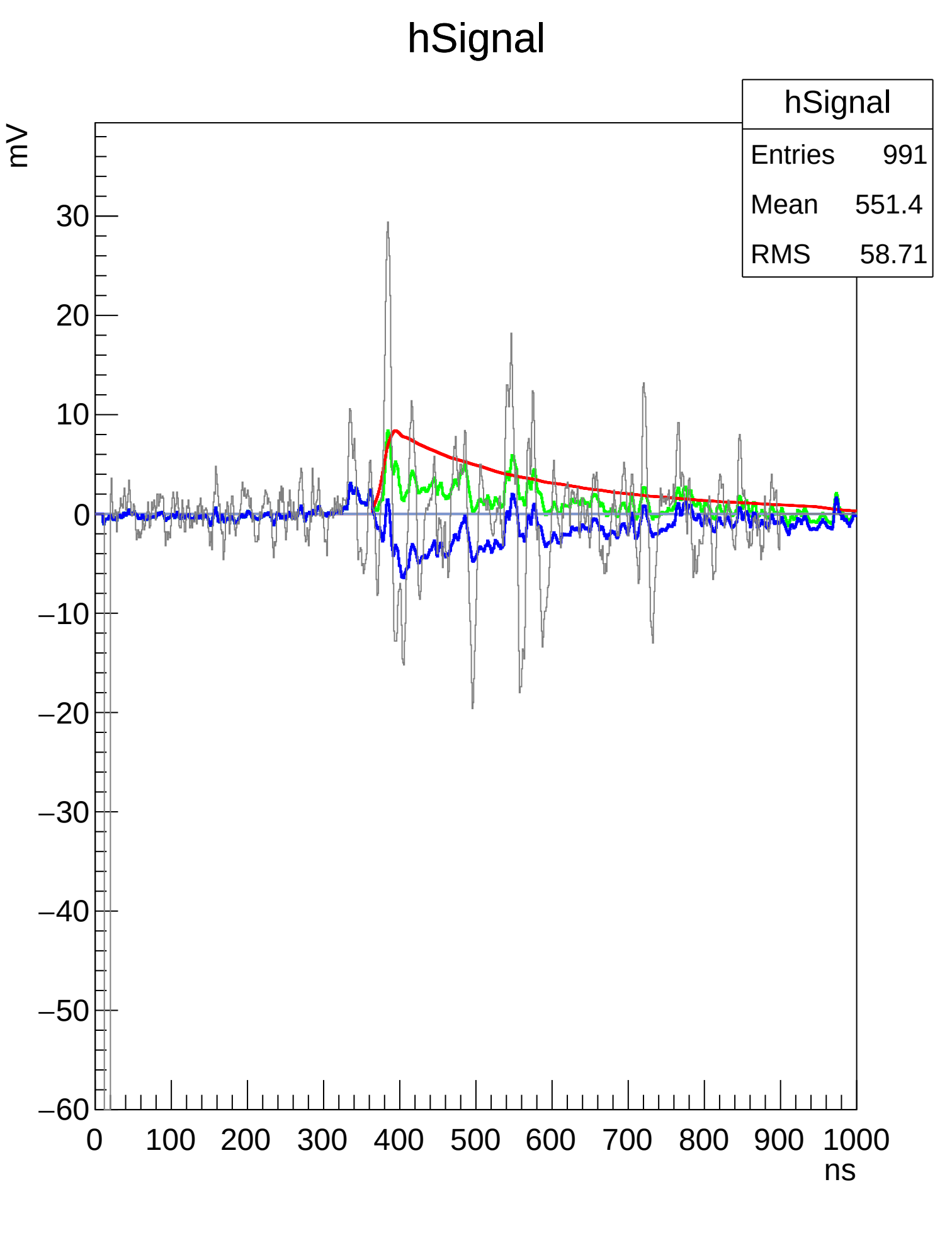
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.4
RMS 58.71
mV
30
20
10
0
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−50
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0
100
200
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400
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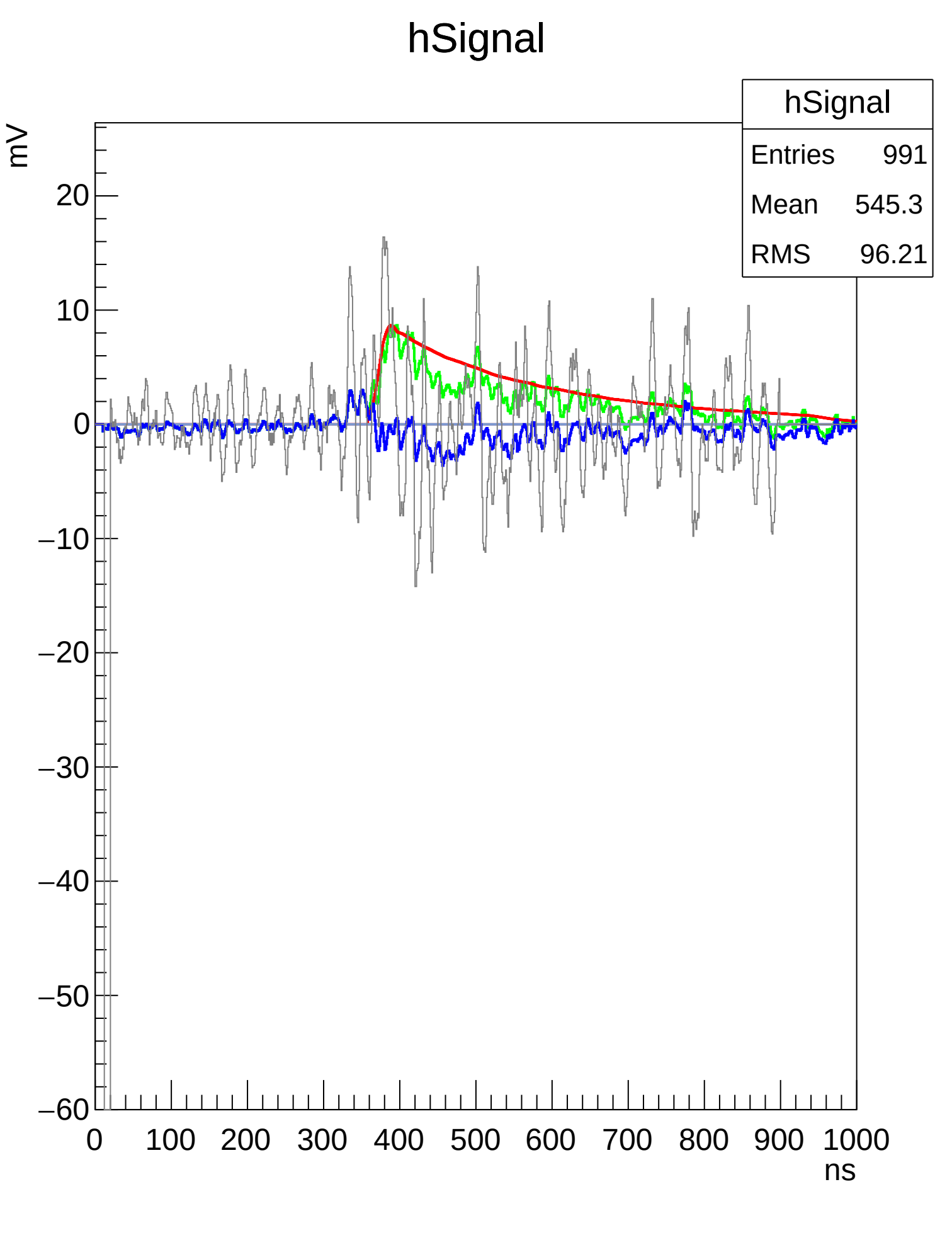
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.3
RMS 96.21
mV
20
10
0
−10
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−40
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0
100
200
300
400
500
600
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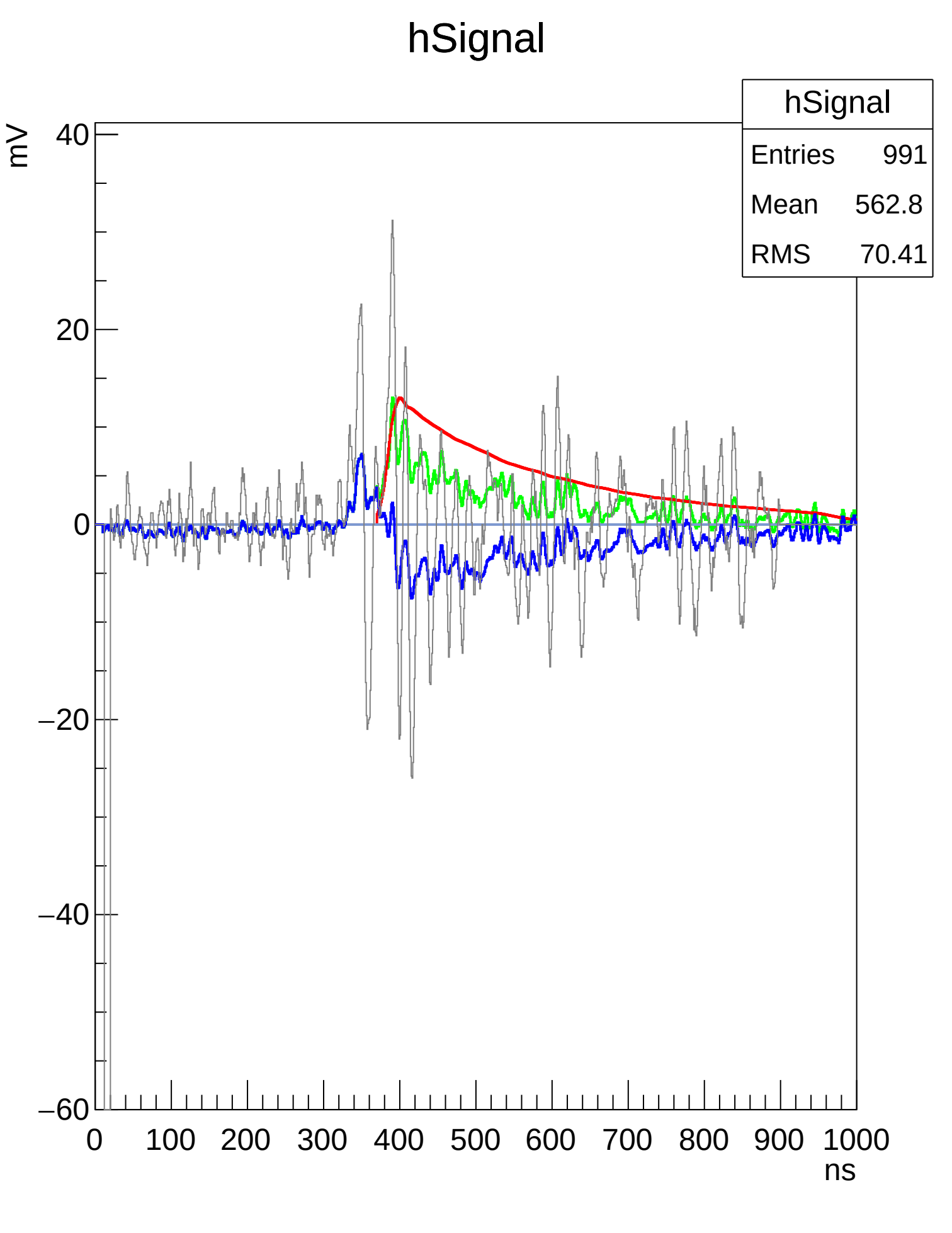
1000
ns


hSignal
hSignal
Entries 991
Mean 562.8
RMS 70.41
mV
40
20
0
−20
−40
−60
0
100
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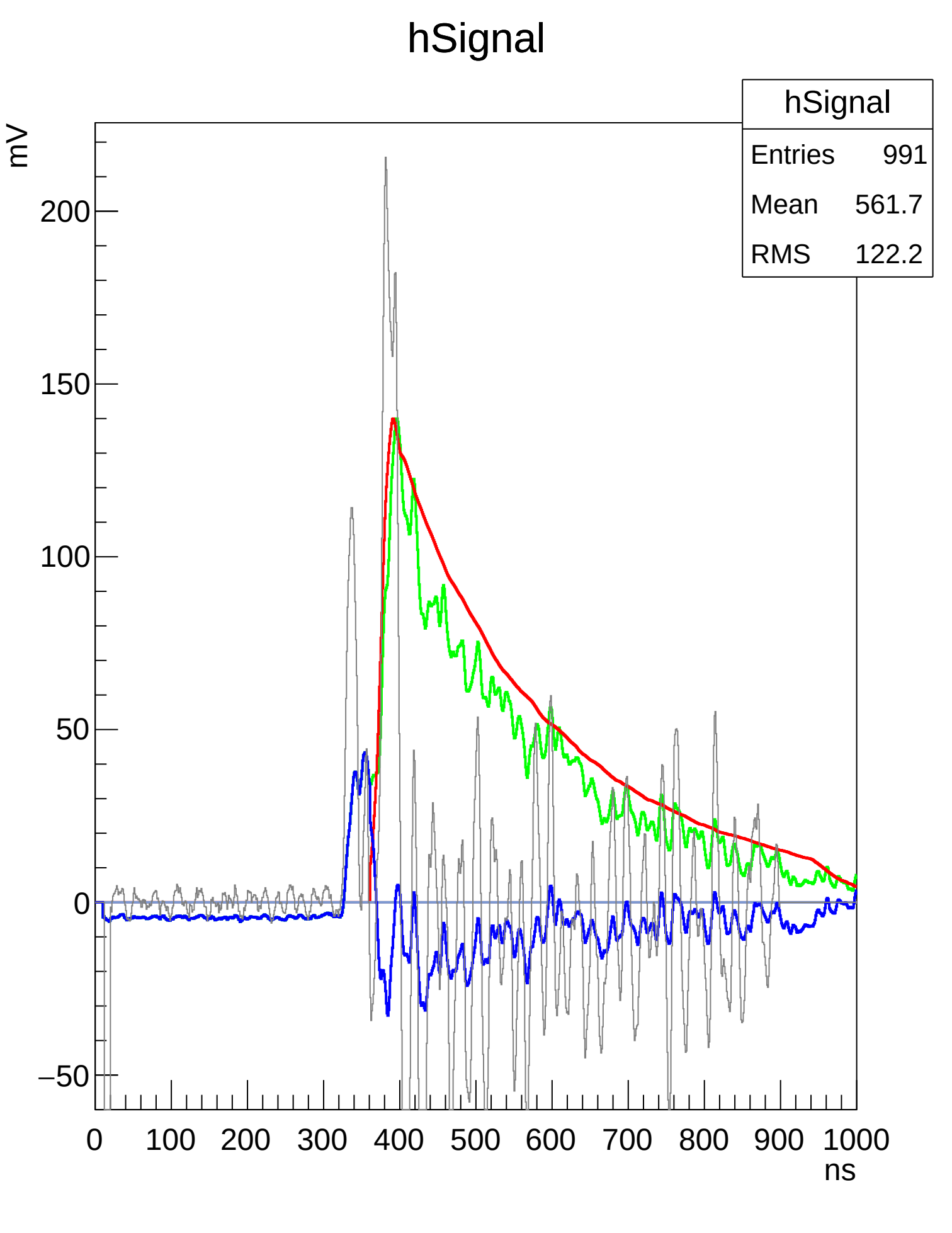
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.7
RMS 122.2
mV
200
150
100
50
0
−50
0
100
200
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400
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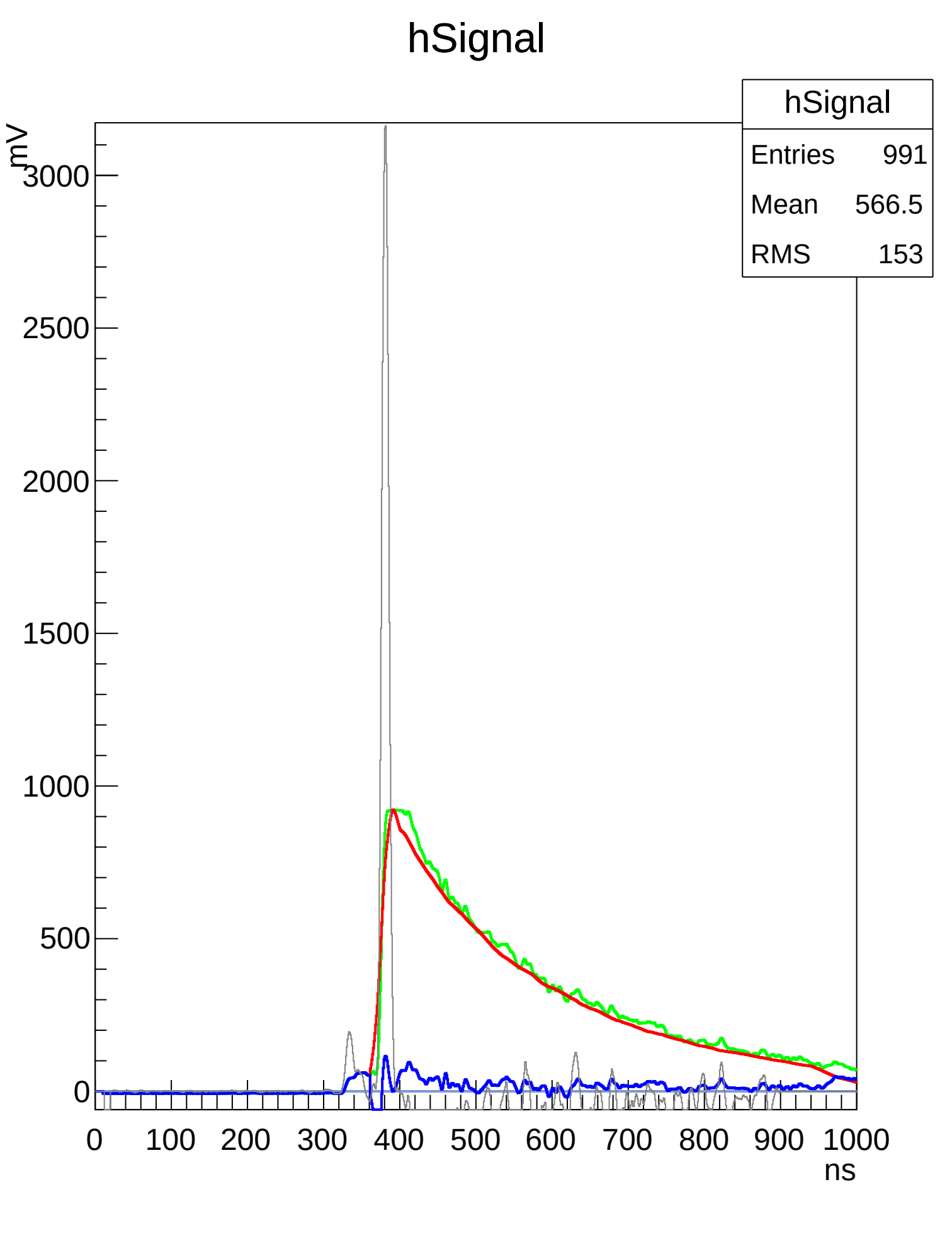
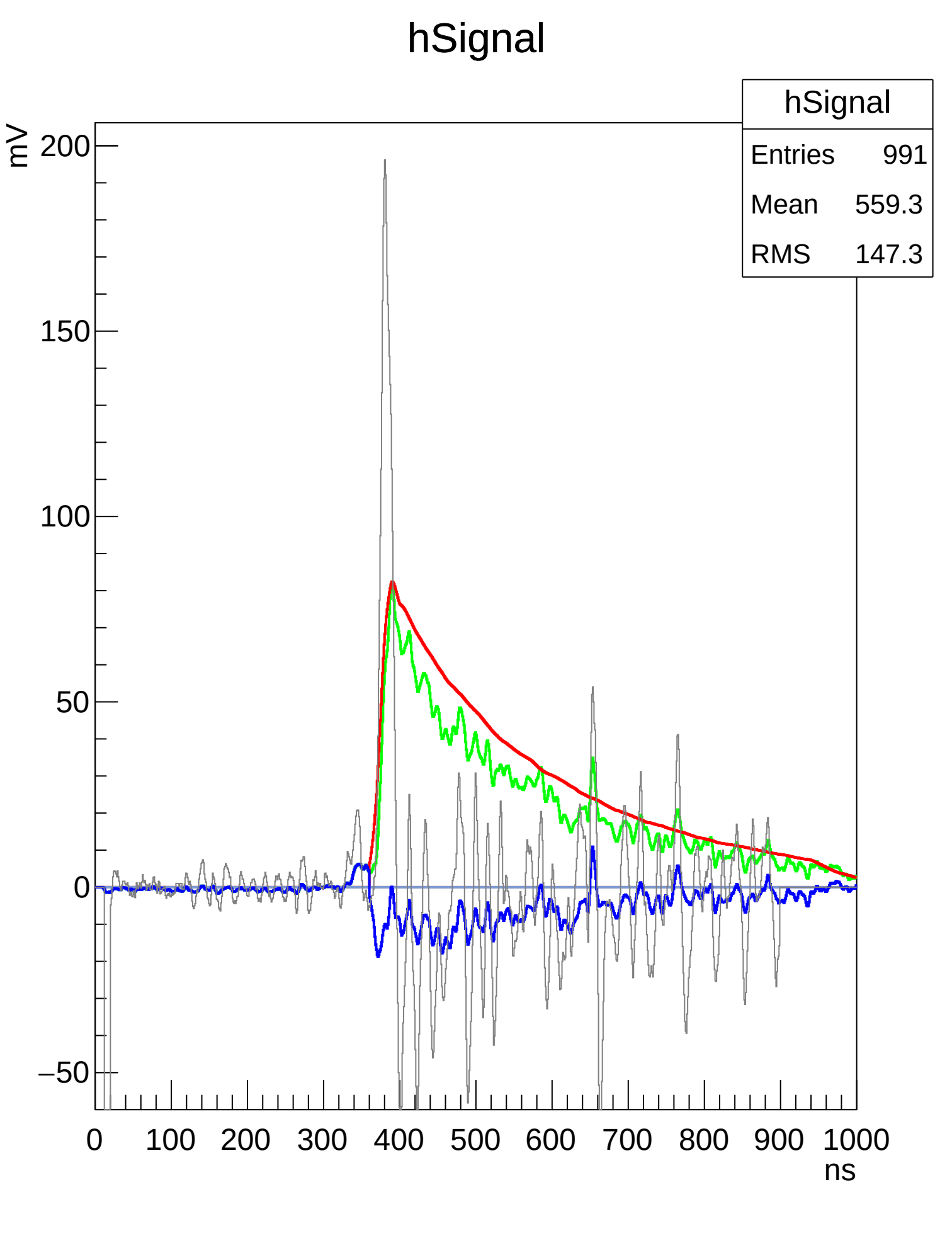
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.5
RMS 153
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 559.3
RMS 147.3
mV
200
150
100
50
0
−50
0
100
200
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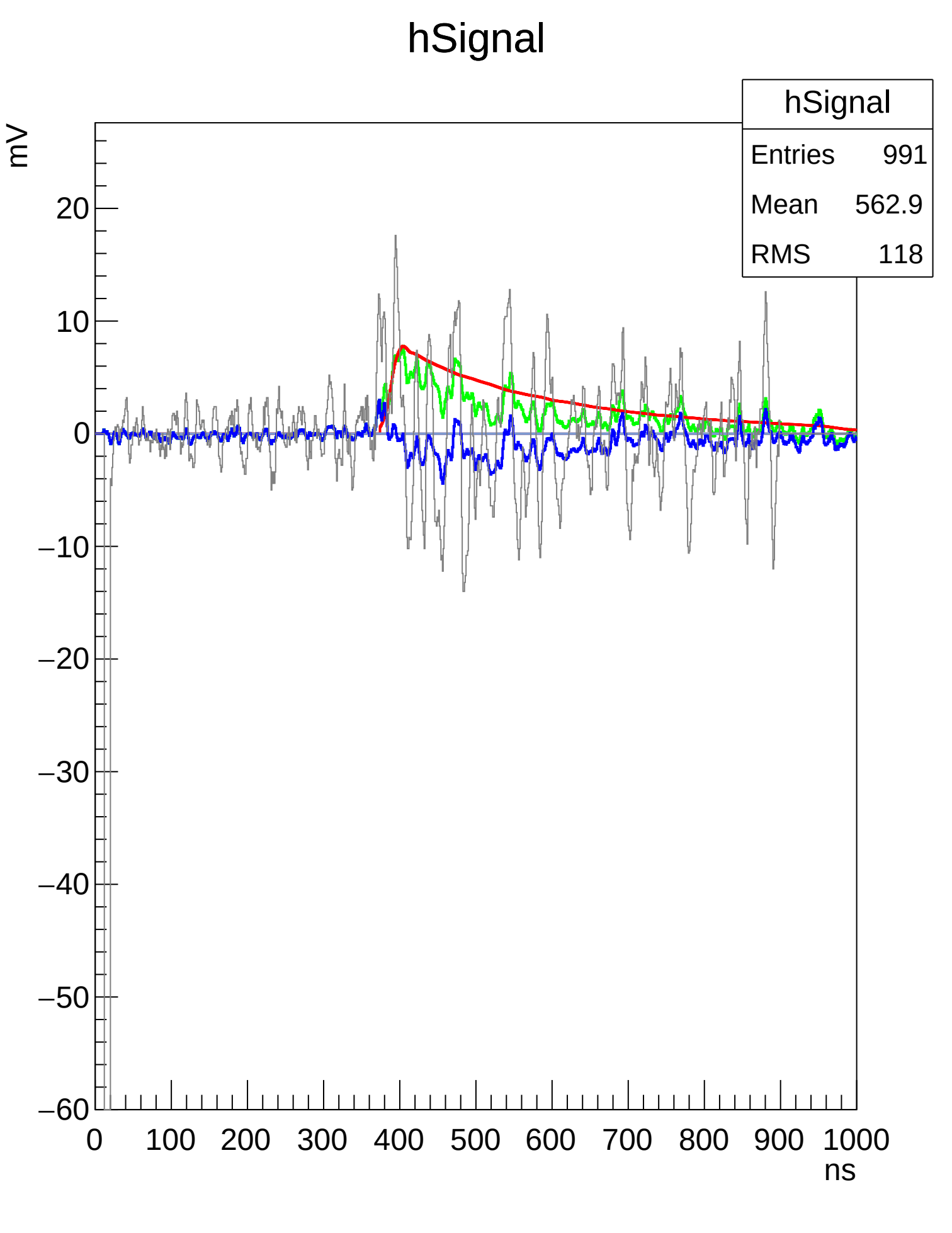
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.9
RMS 118
mV
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
500
600
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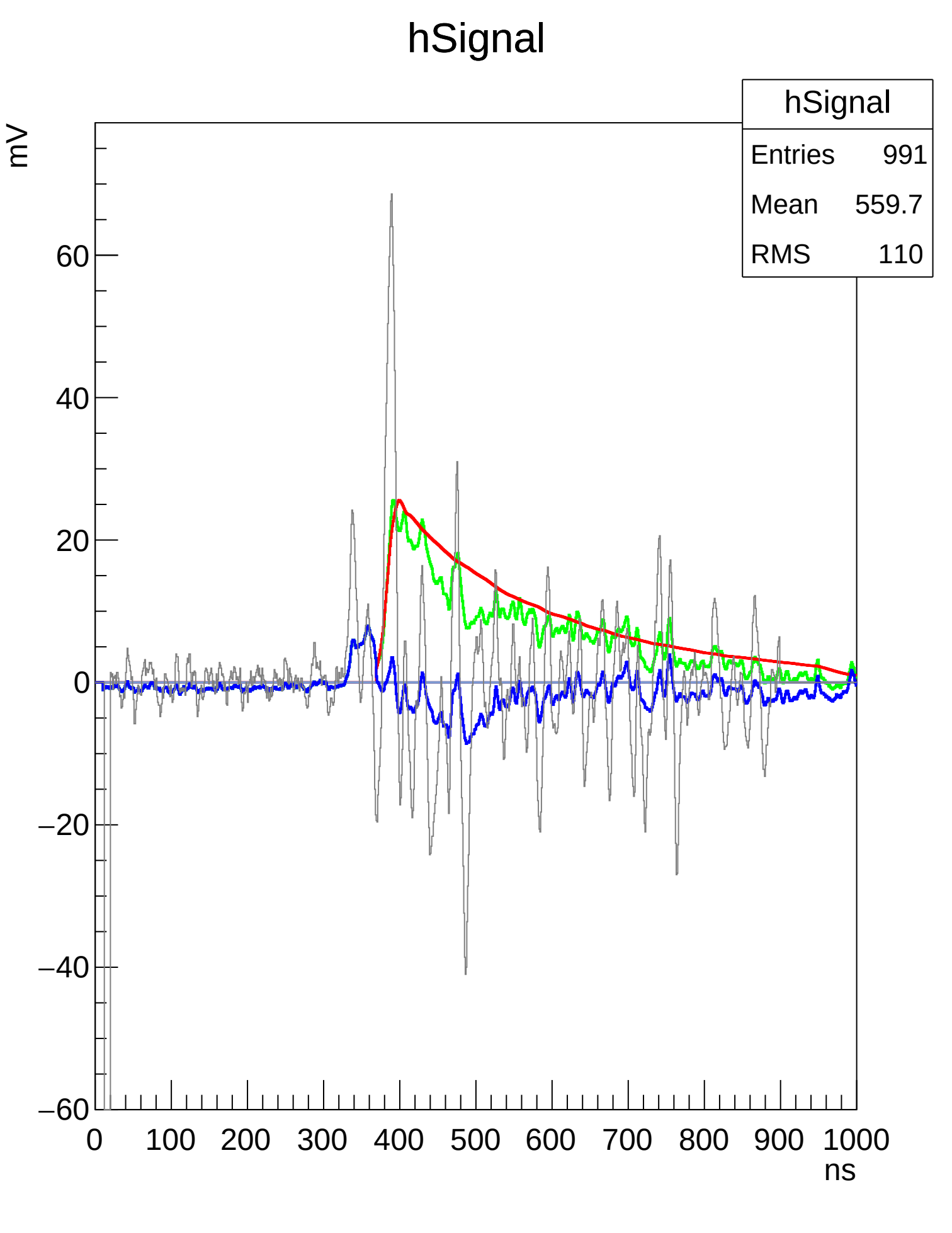
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.7
RMS 110
mV
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0
−20
−40
−60
0
100
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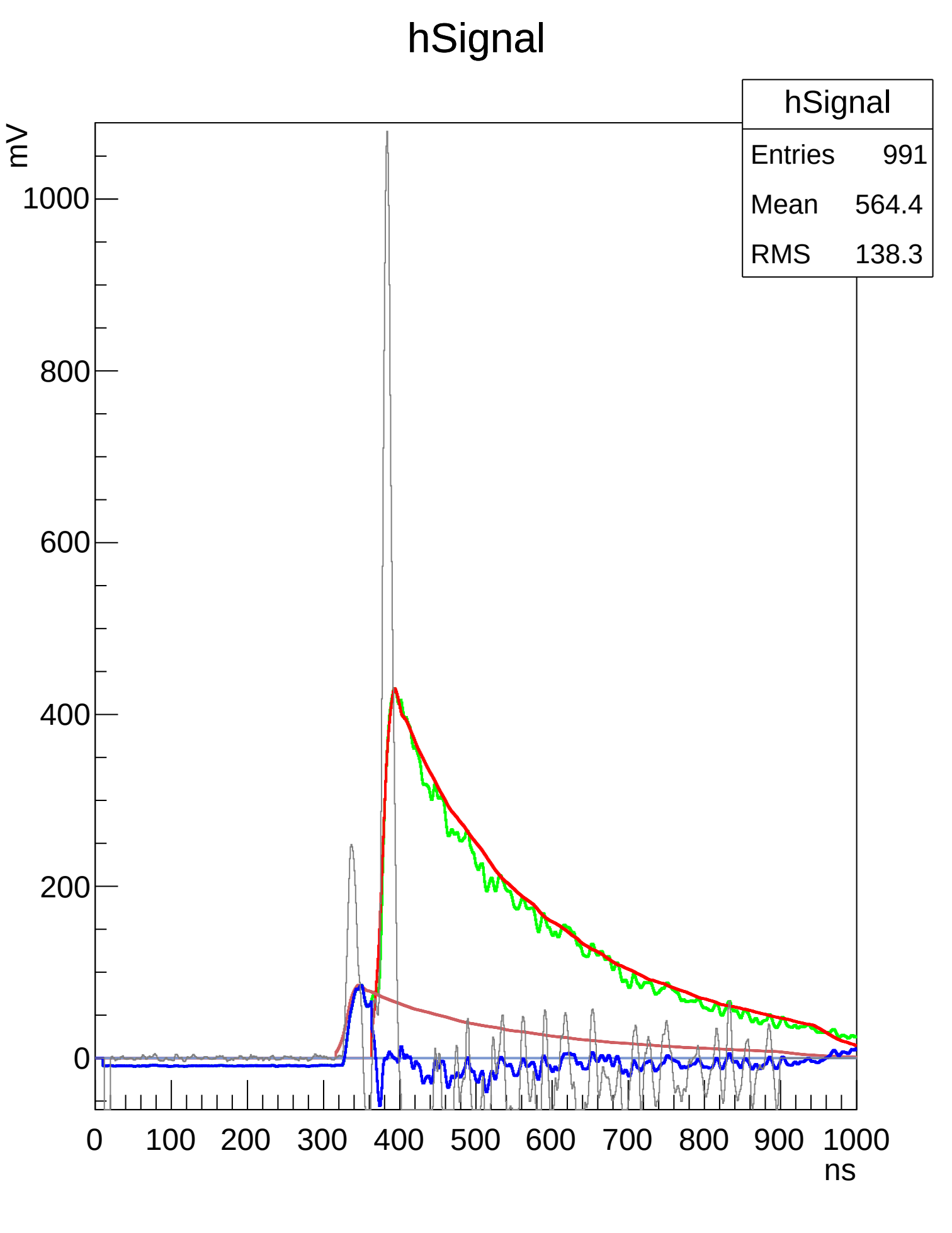
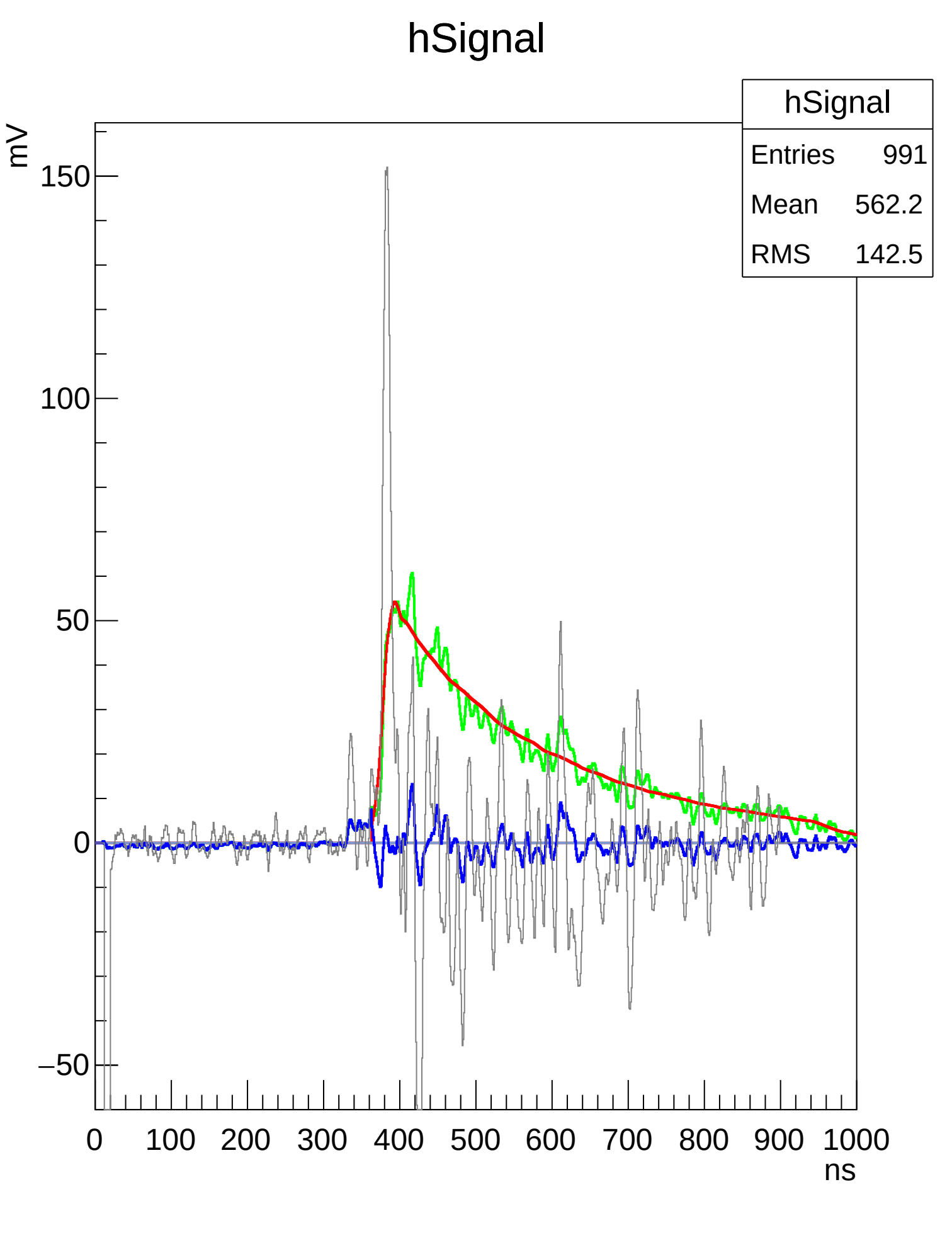
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.4
RMS 138.3
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.2
RMS 142.5
mV
150
100
50
0
−50
0
100
200
300
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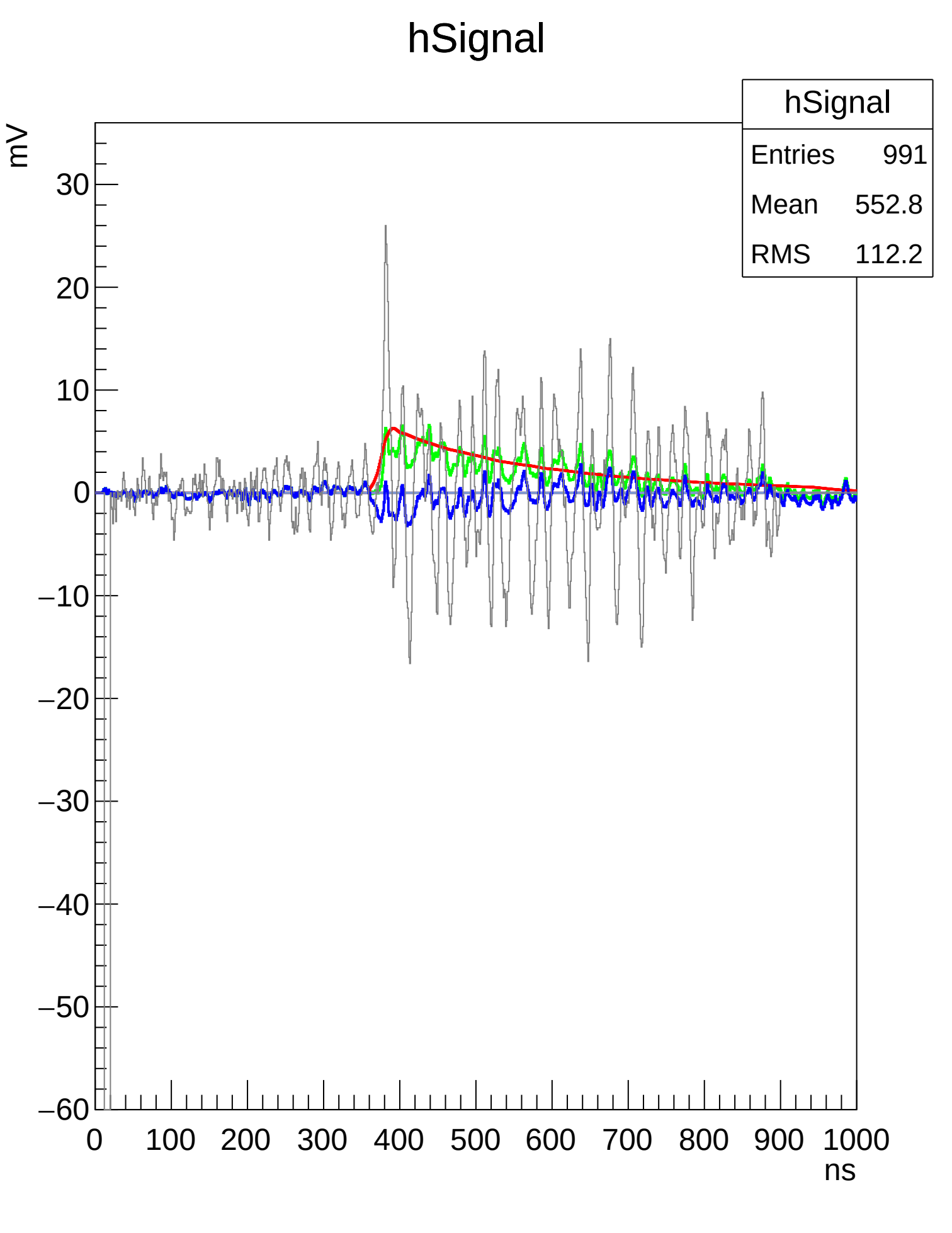
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.8
RMS 112.2
mV
30
20
10
0
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400
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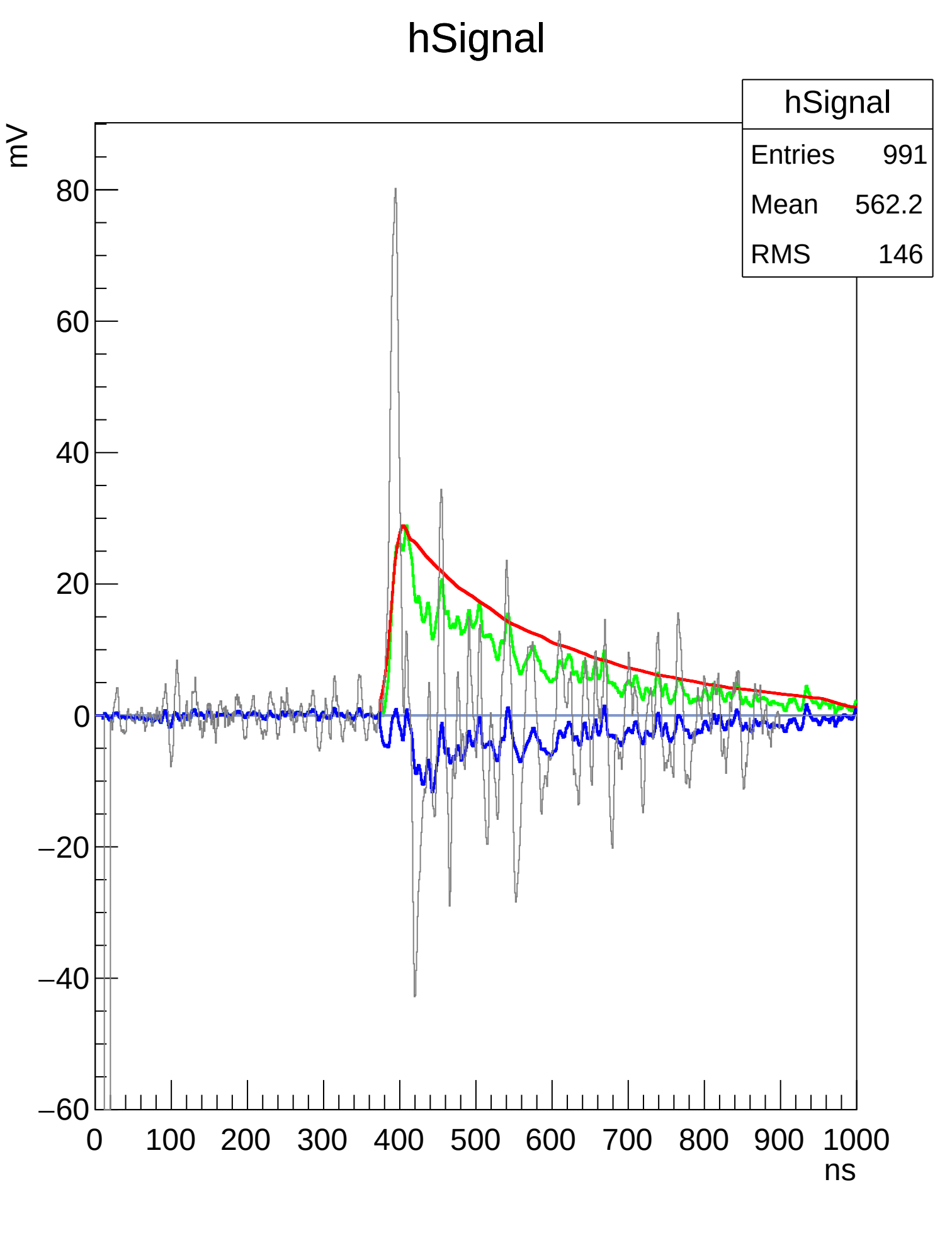
hSignal
hSignal
Entries 991
Mean 562.2
RMS 146
mV
80
60
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20
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−20
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0
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600
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800
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1000
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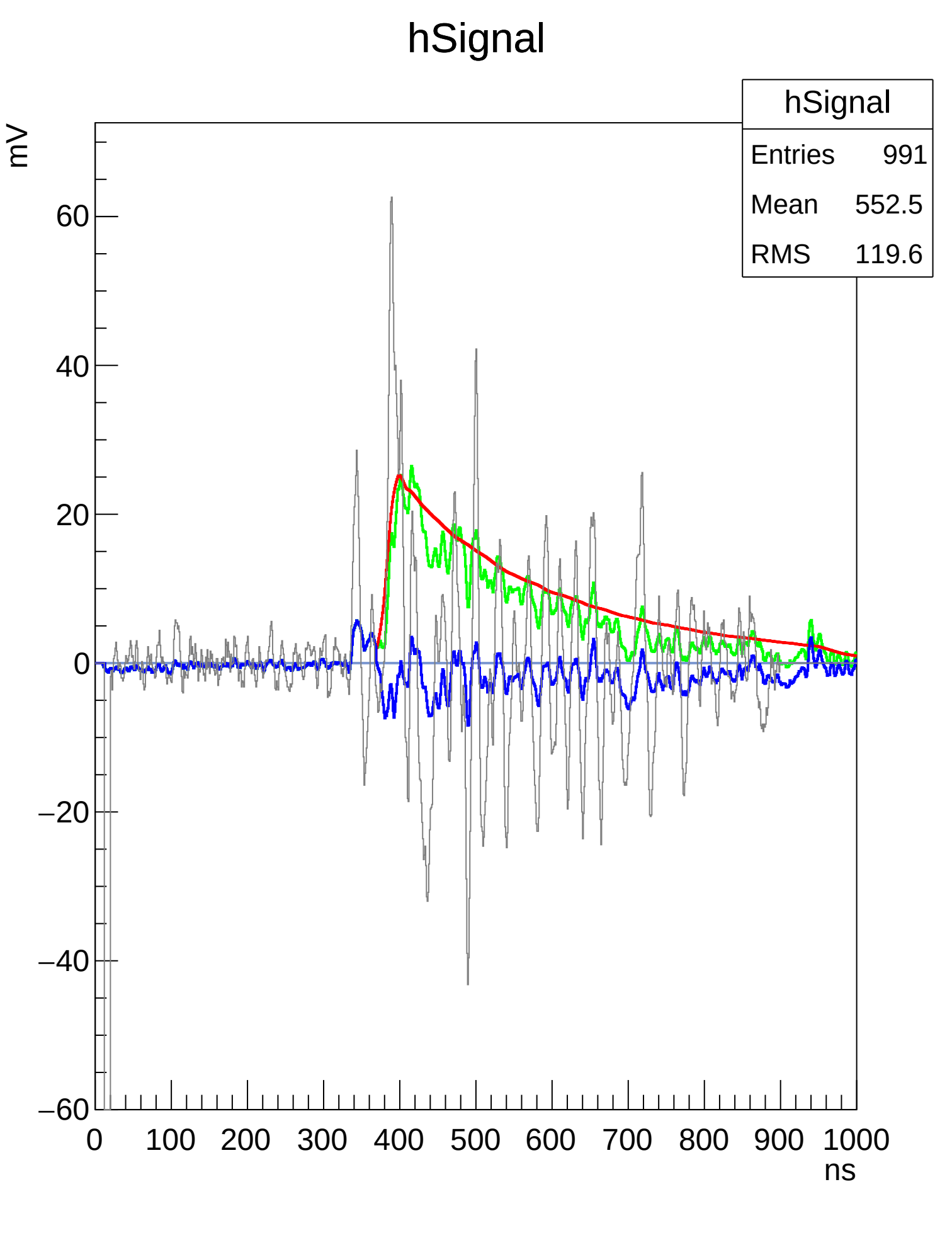
hSignal
hSignal
Entries 991
Mean 552.5
RMS 119.6
mV
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−20
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0
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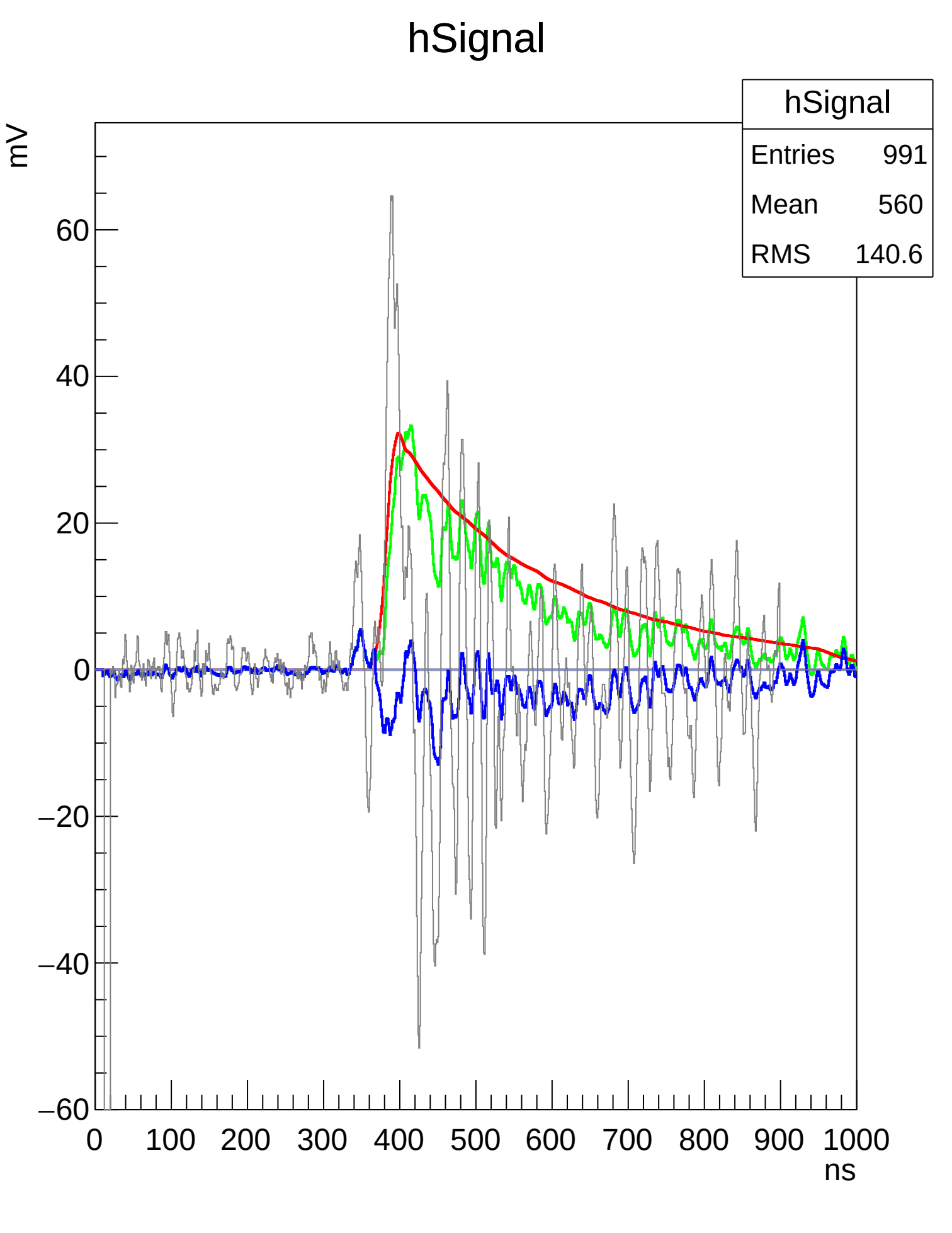
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560
RMS 140.6
mV
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0
−20
−40
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0
100
200
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400
500
600
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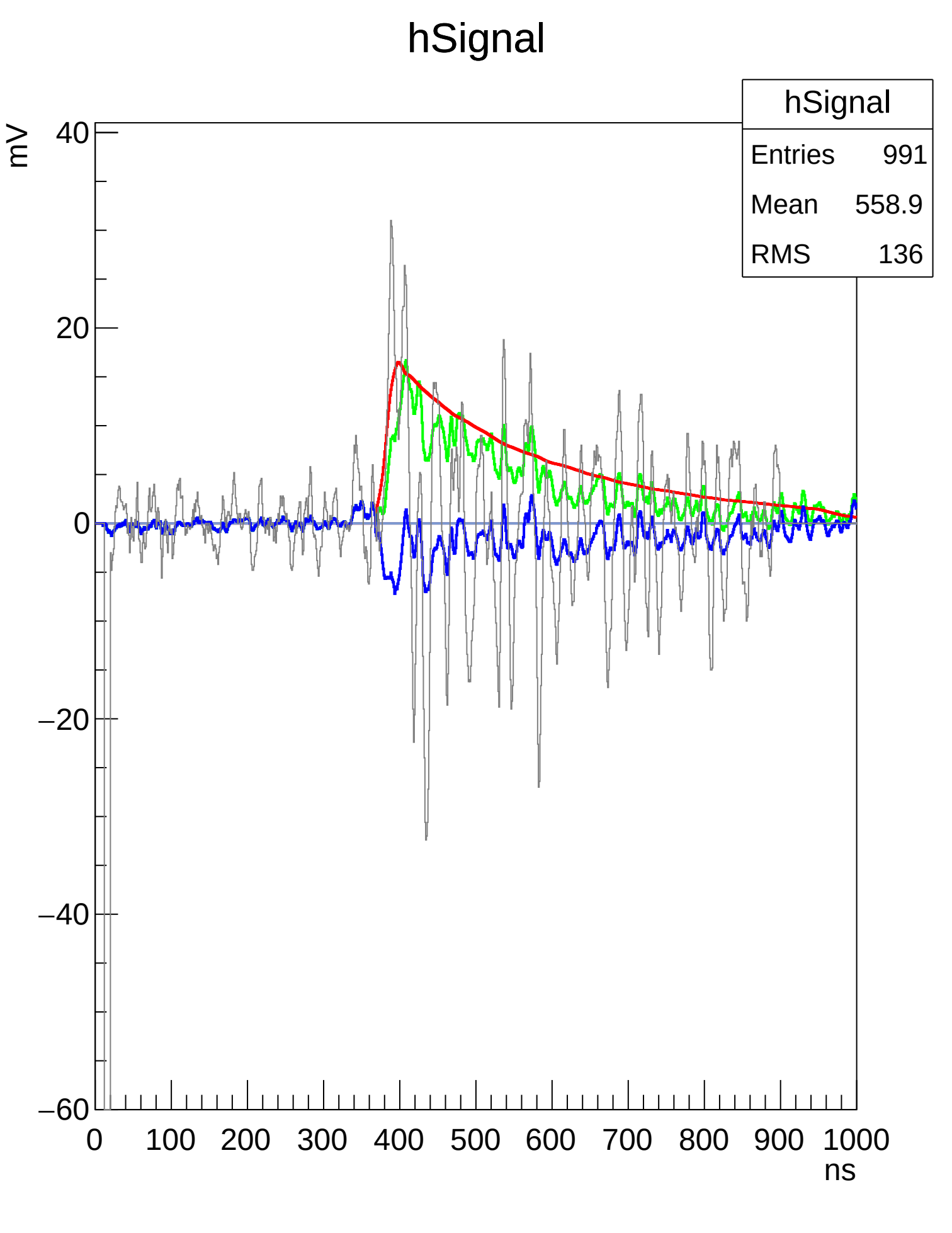
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.9
RMS 136
mV
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1000
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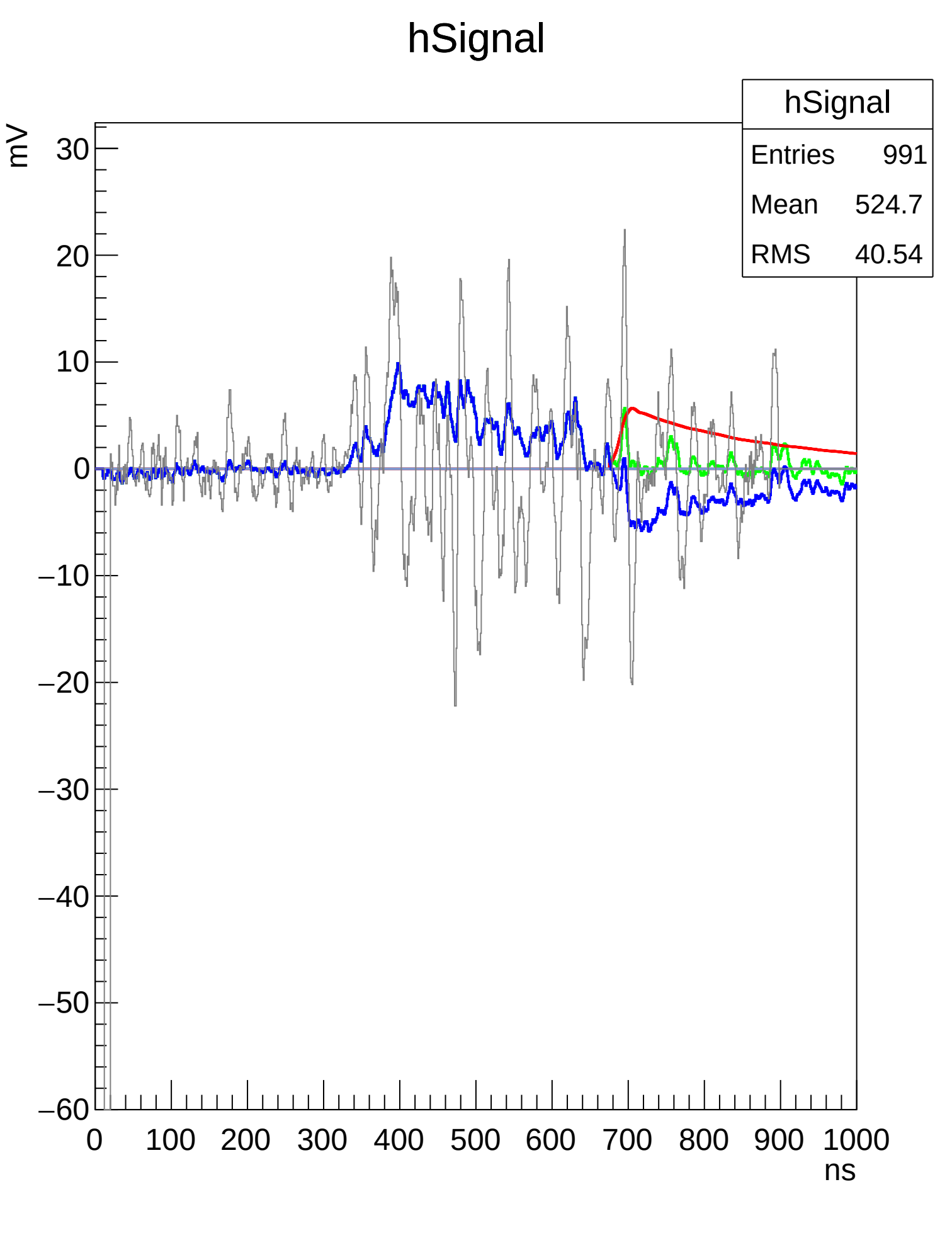
hSignal
hSignal
Entries 991
Mean 524.7
RMS 40.54
mV
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20
10
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1000
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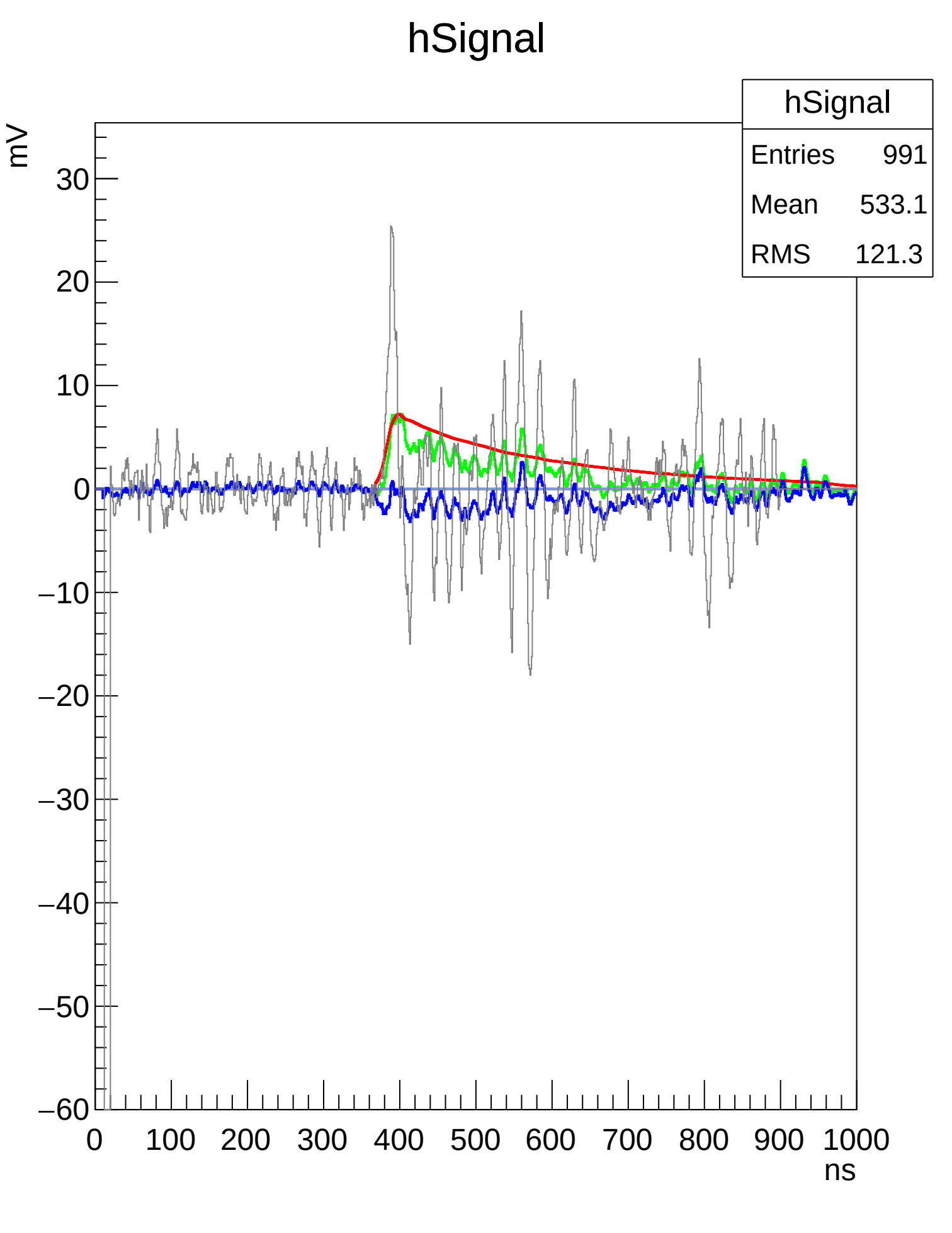
hSignal
hSignal
Entries 991
Mean 533.1
RMS 121.3
mV
30
20
10
0
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0
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200
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400
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800
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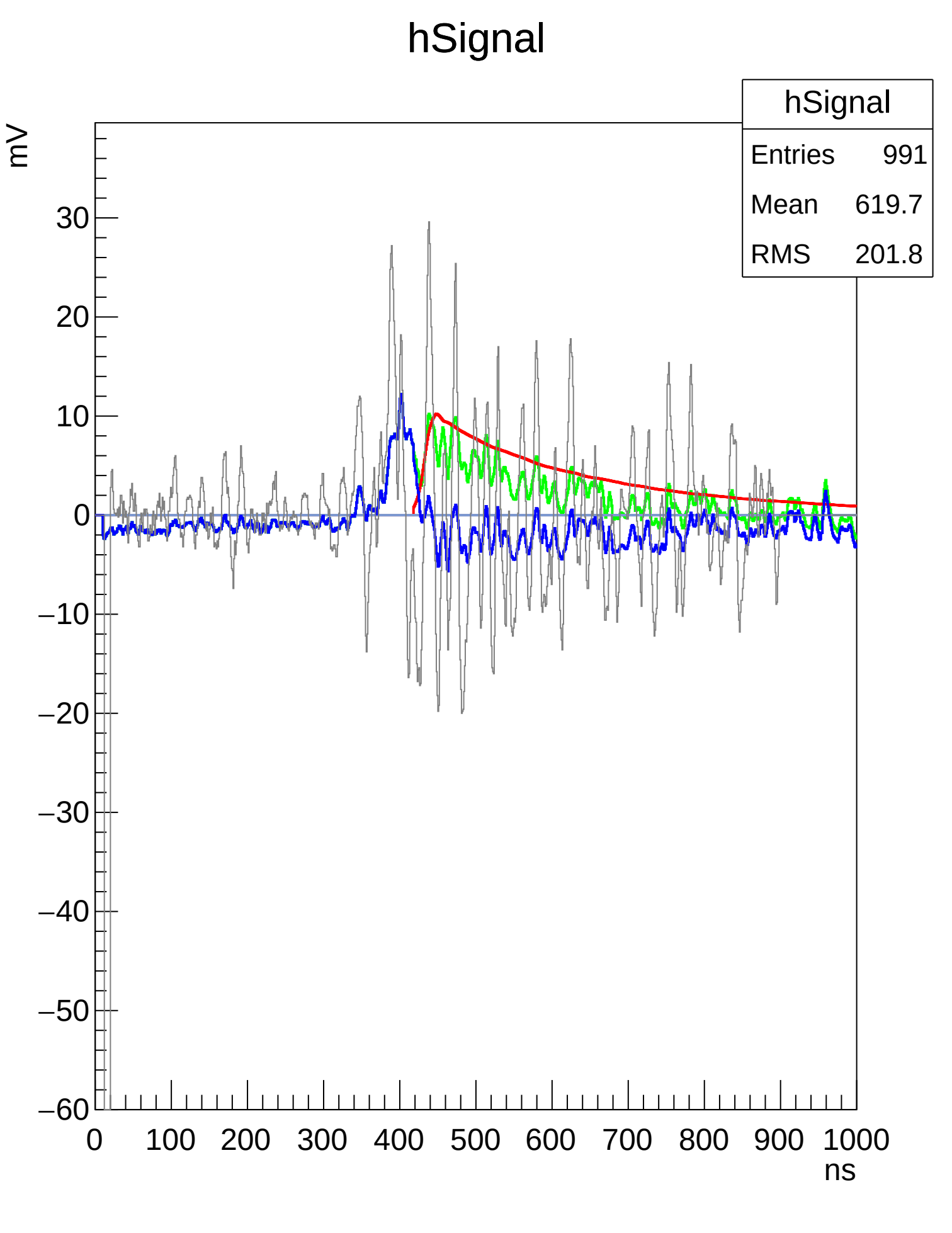
hSignal
hSignal
Entries 991
Mean 619.7
RMS 201.8
mV
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20
10
0
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200
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1000
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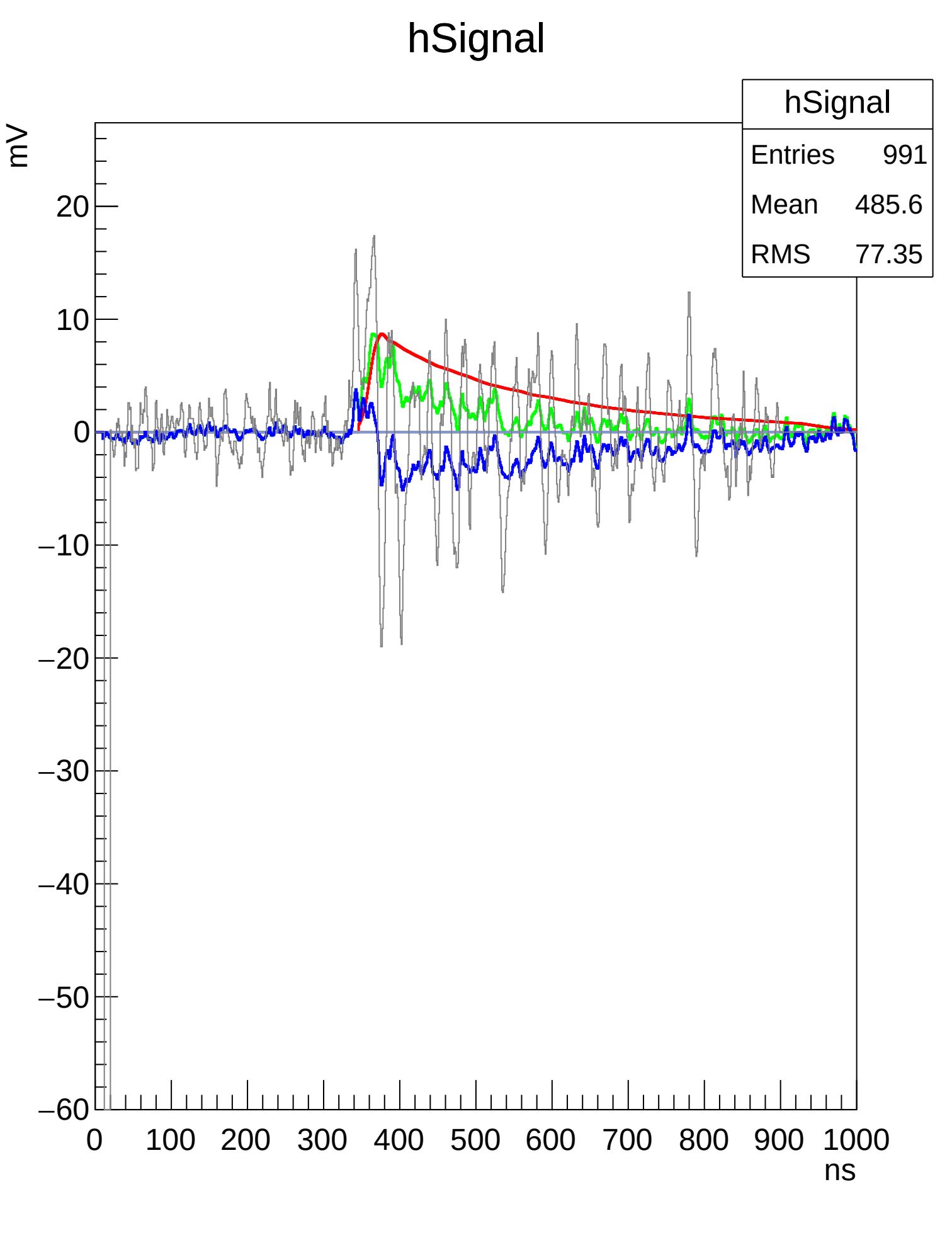
hSignal
hSignal
Entries 991
Mean 485.6
RMS 77.35
mV
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1000
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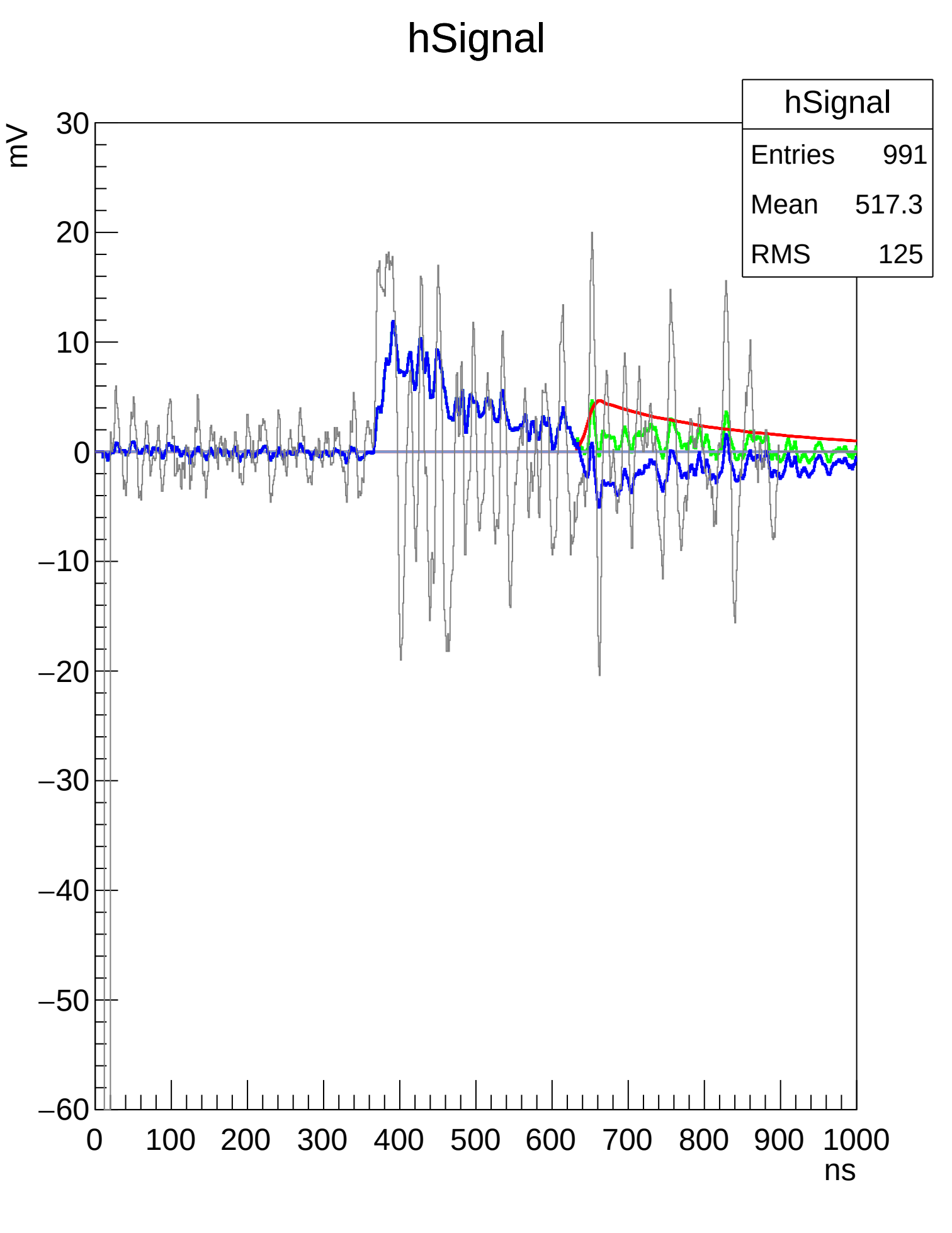
hSignal
hSignal
Entries 991
Mean 517.3
RMS 125
mV
30
20
10
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0
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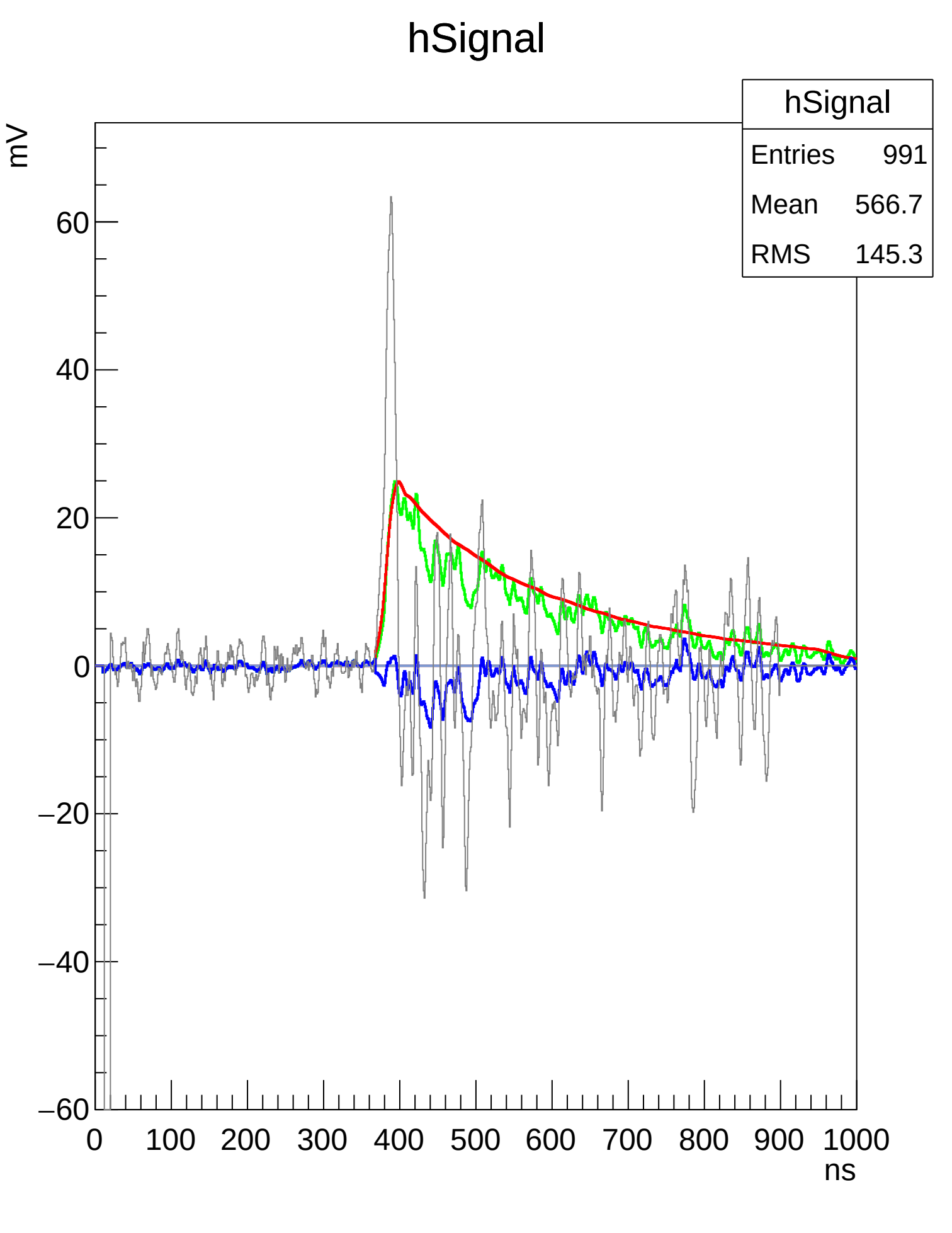
hSignal
hSignal
Entries 991
Mean 566.7
RMS 145.3
mV
60
40
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−20
−40
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0
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600
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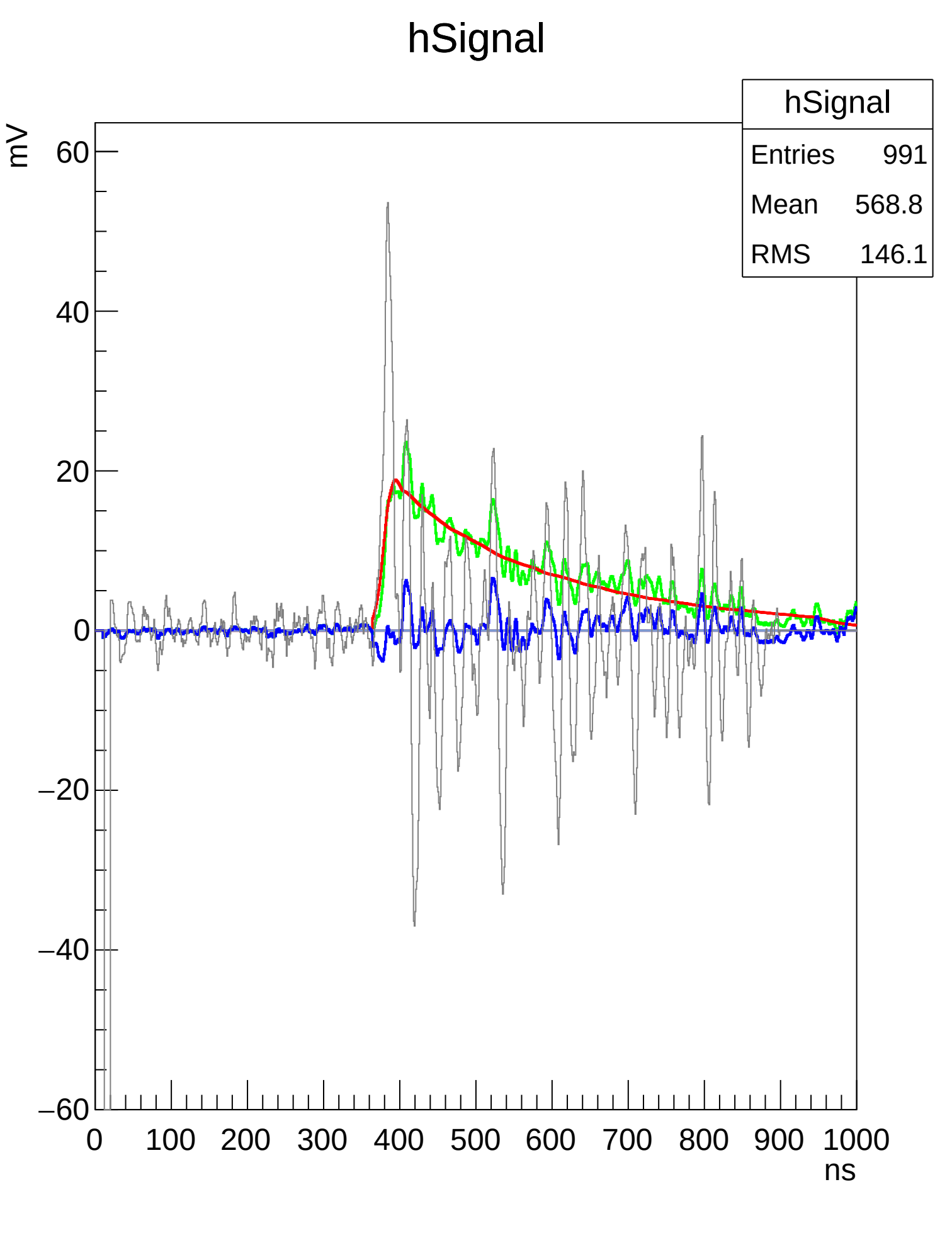
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.8
RMS 146.1
mV
60
40
20
0
−20
−40
−60
0
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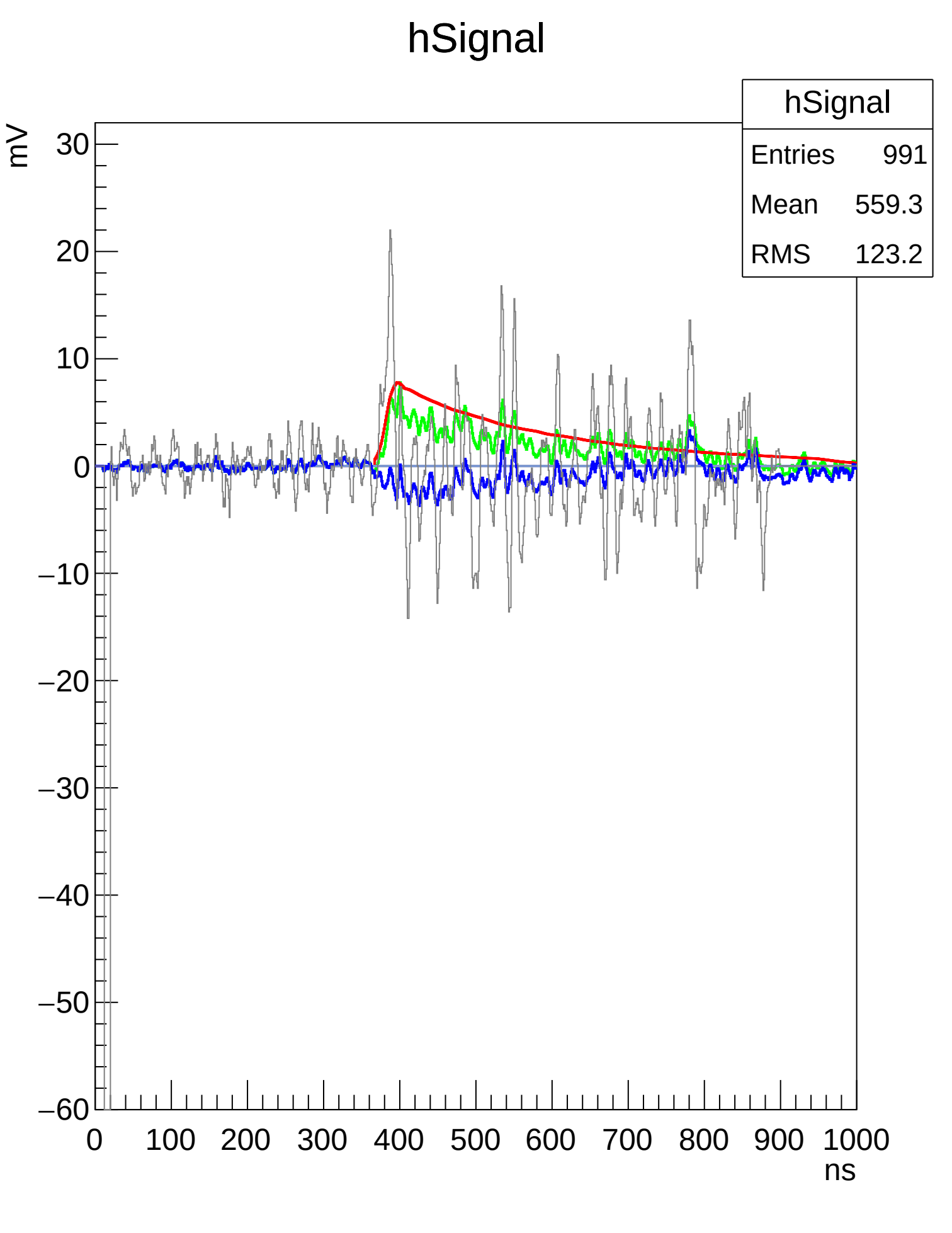
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.3
RMS 123.2
mV
30
20
10
0
−10
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−50
−60
0
100
200
300
400
500
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800
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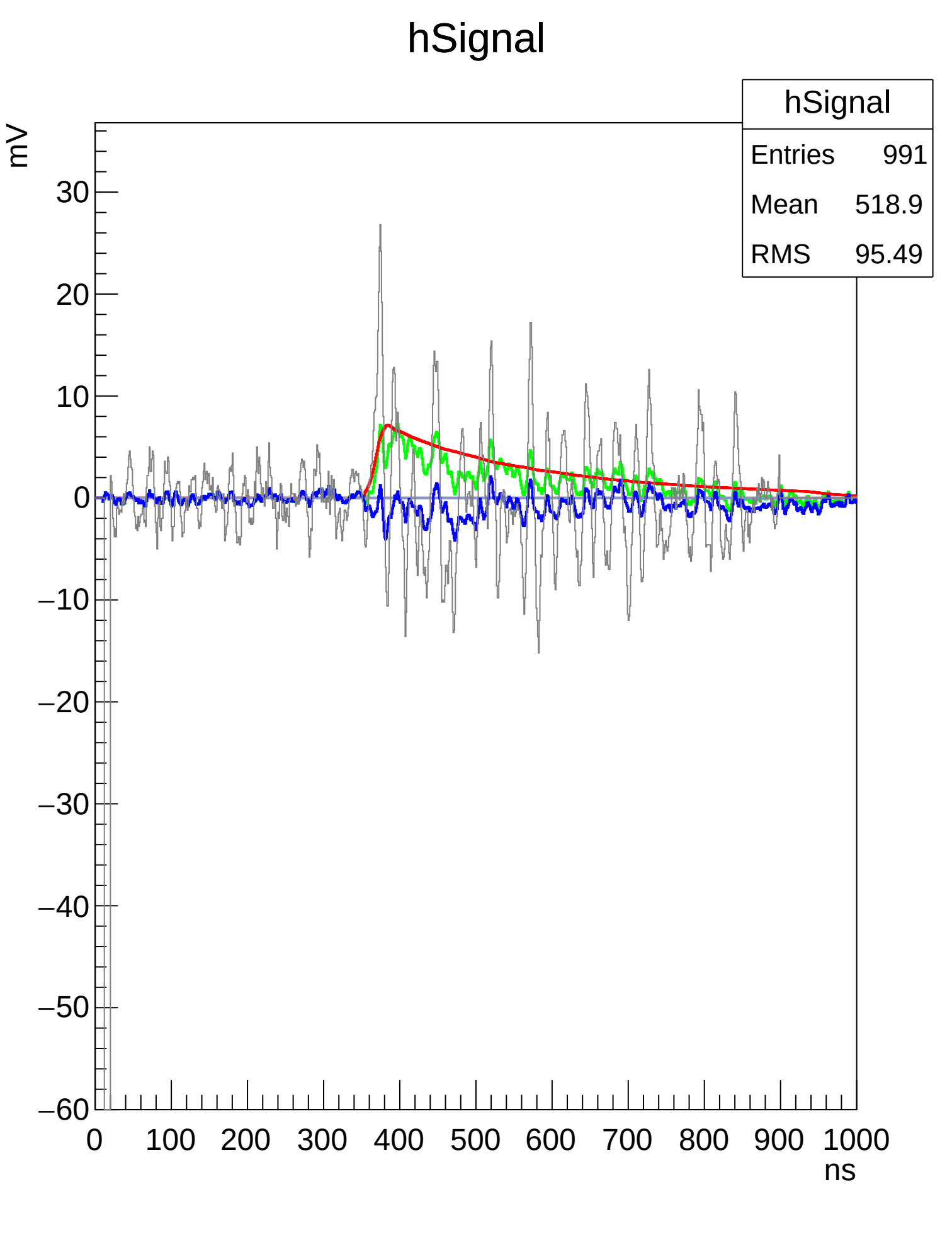
1000
ns


hSignal
hSignal
Entries 991
Mean 518.9
RMS 95.49
mV
30
20
10
0
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−40
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800
900
1000
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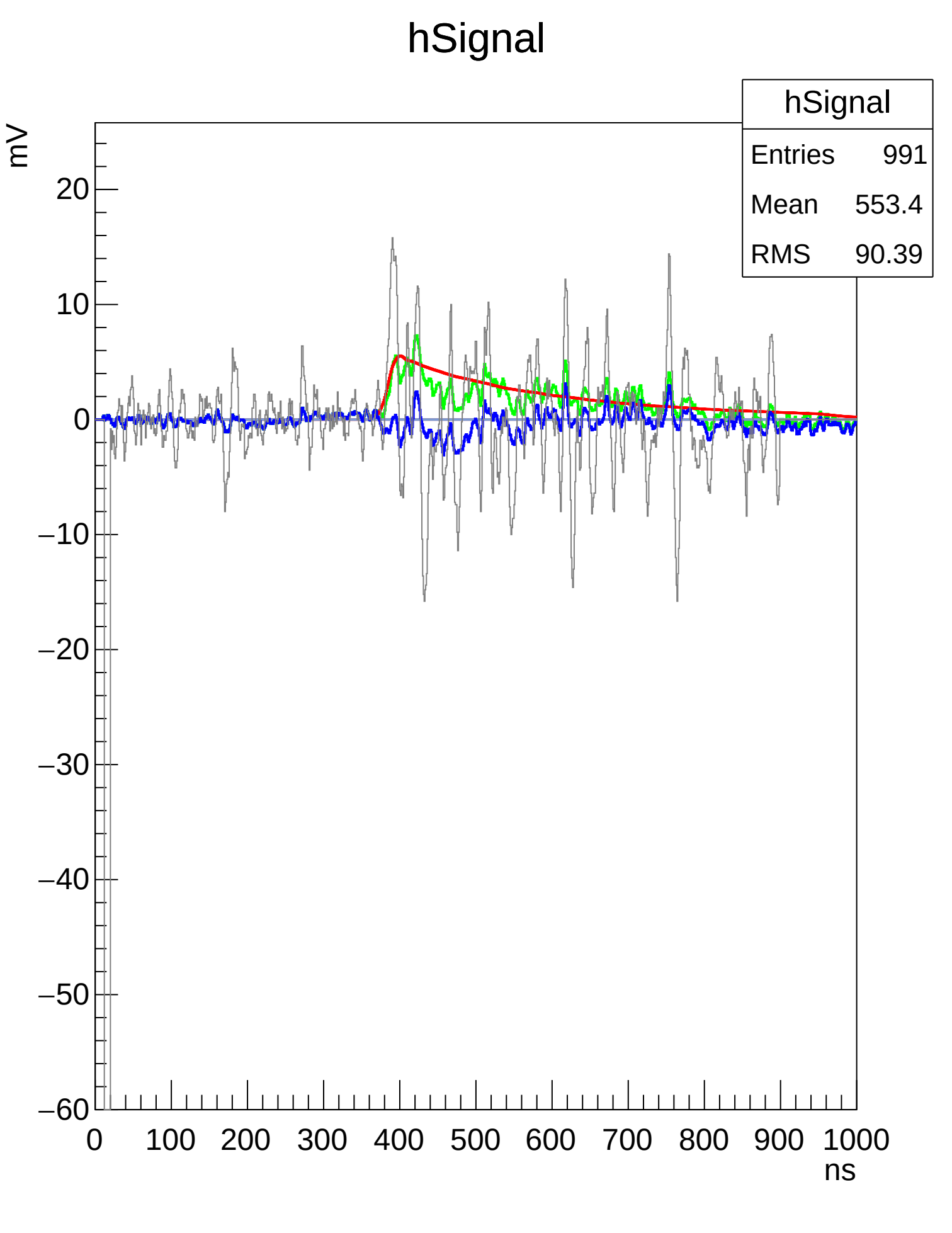
hSignal
hSignal
Entries 991
Mean 553.4
RMS 90.39
mV
20
10
0
−10
−20
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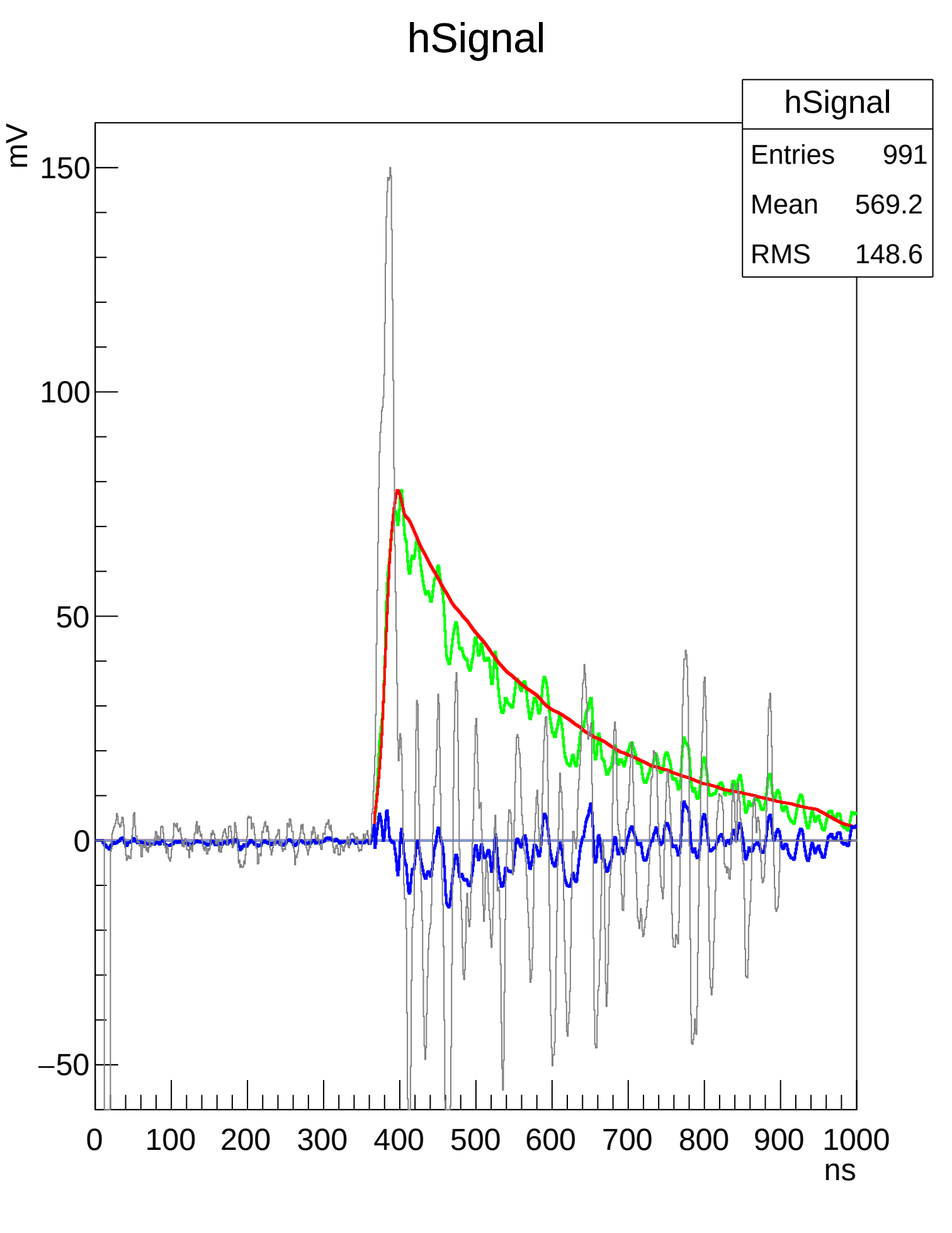
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.2
RMS 148.6
mV
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100
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0
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0
100
200
300
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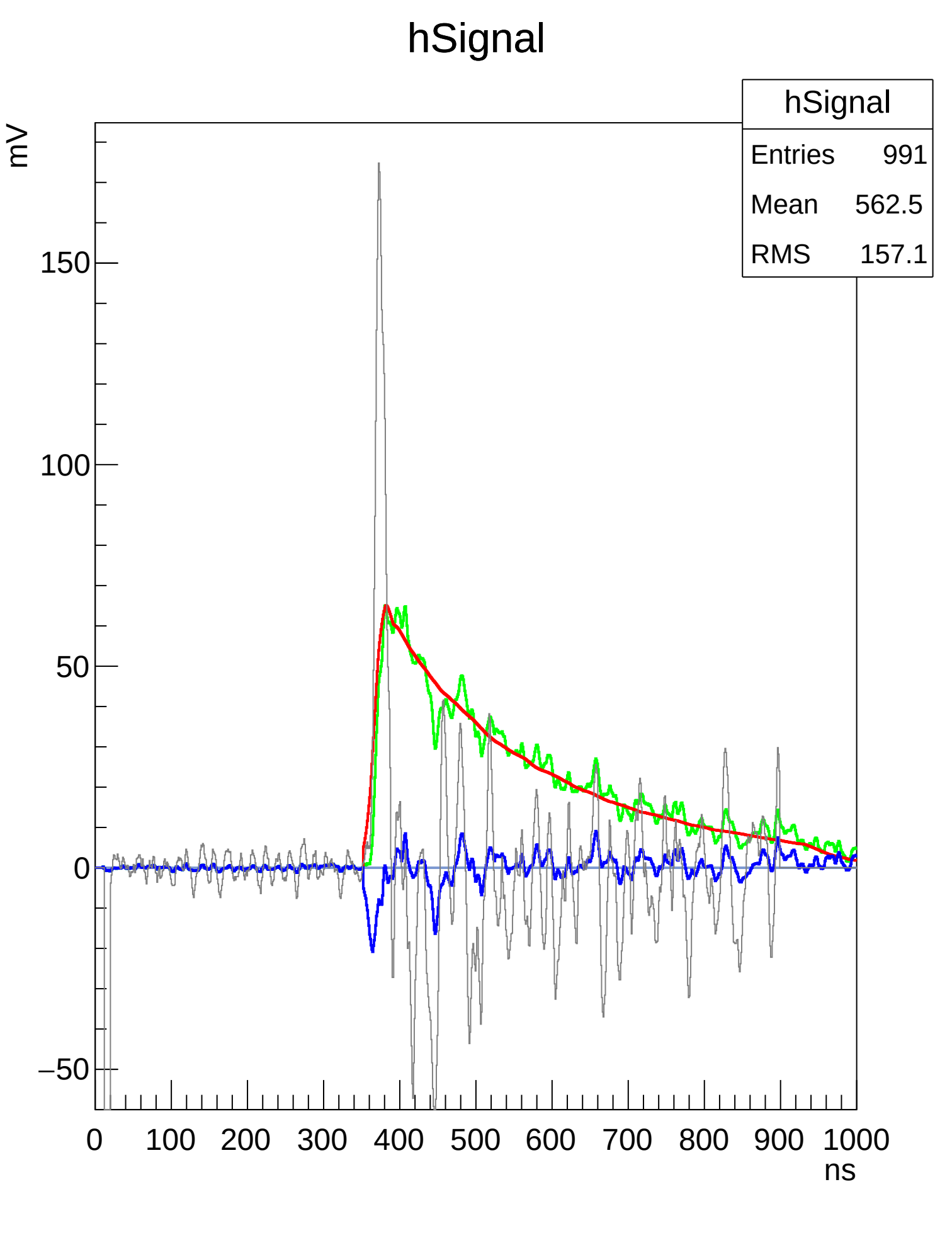
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.5
RMS 157.1
mV
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100
50
0
−50
0
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200
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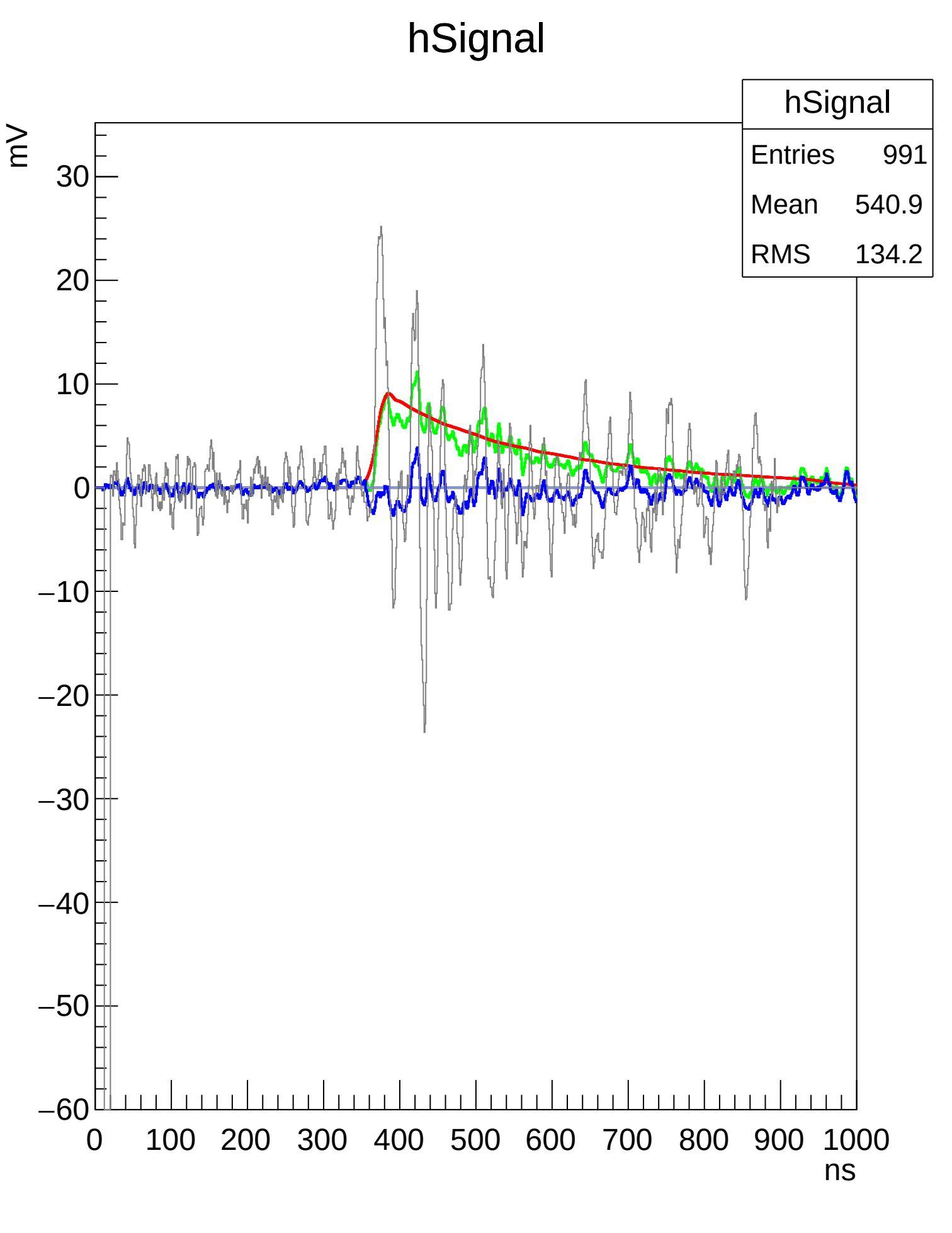
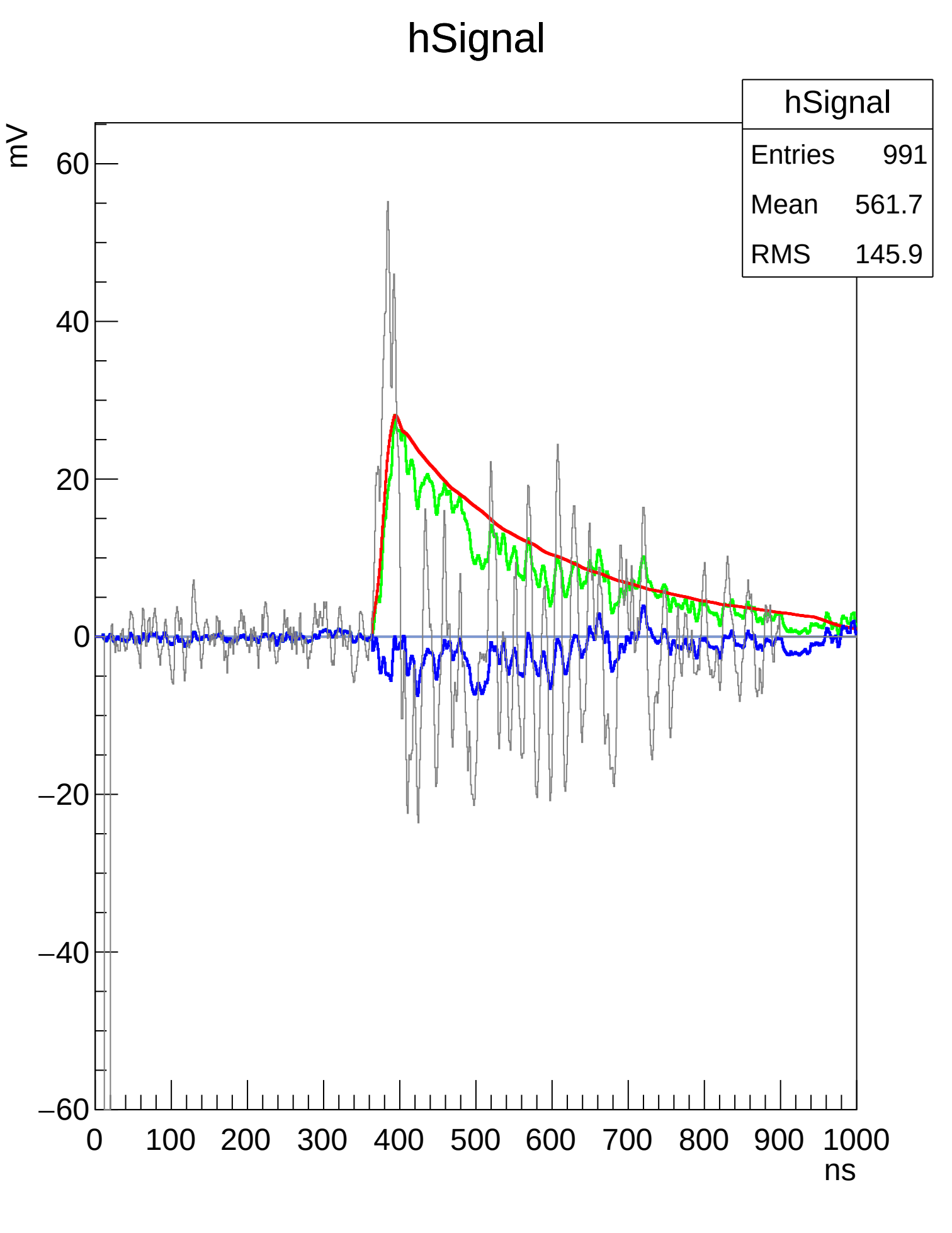
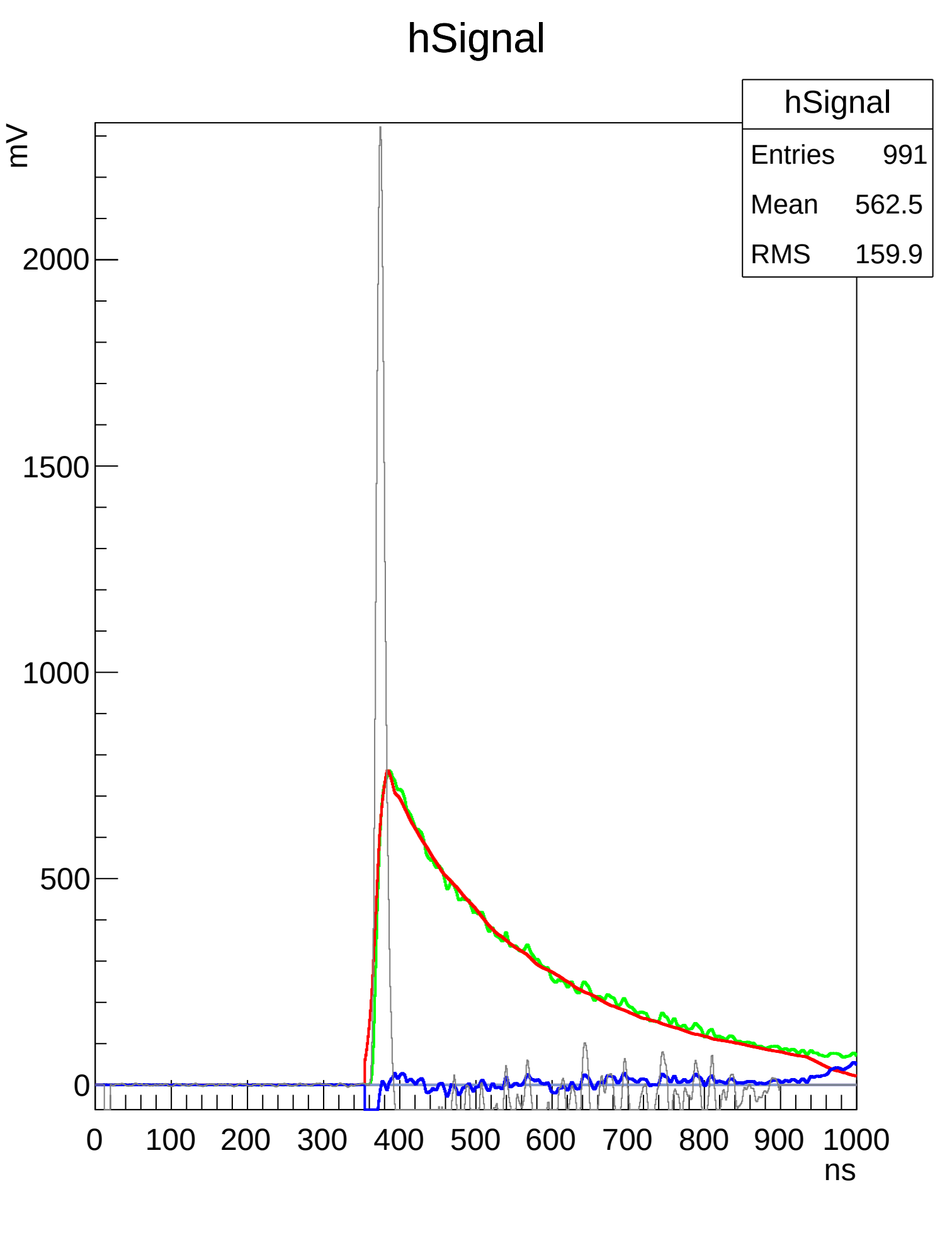
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.9
RMS 134.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.7
RMS 145.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.5
RMS 159.9
mV
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1500
1000
500
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0
100
200
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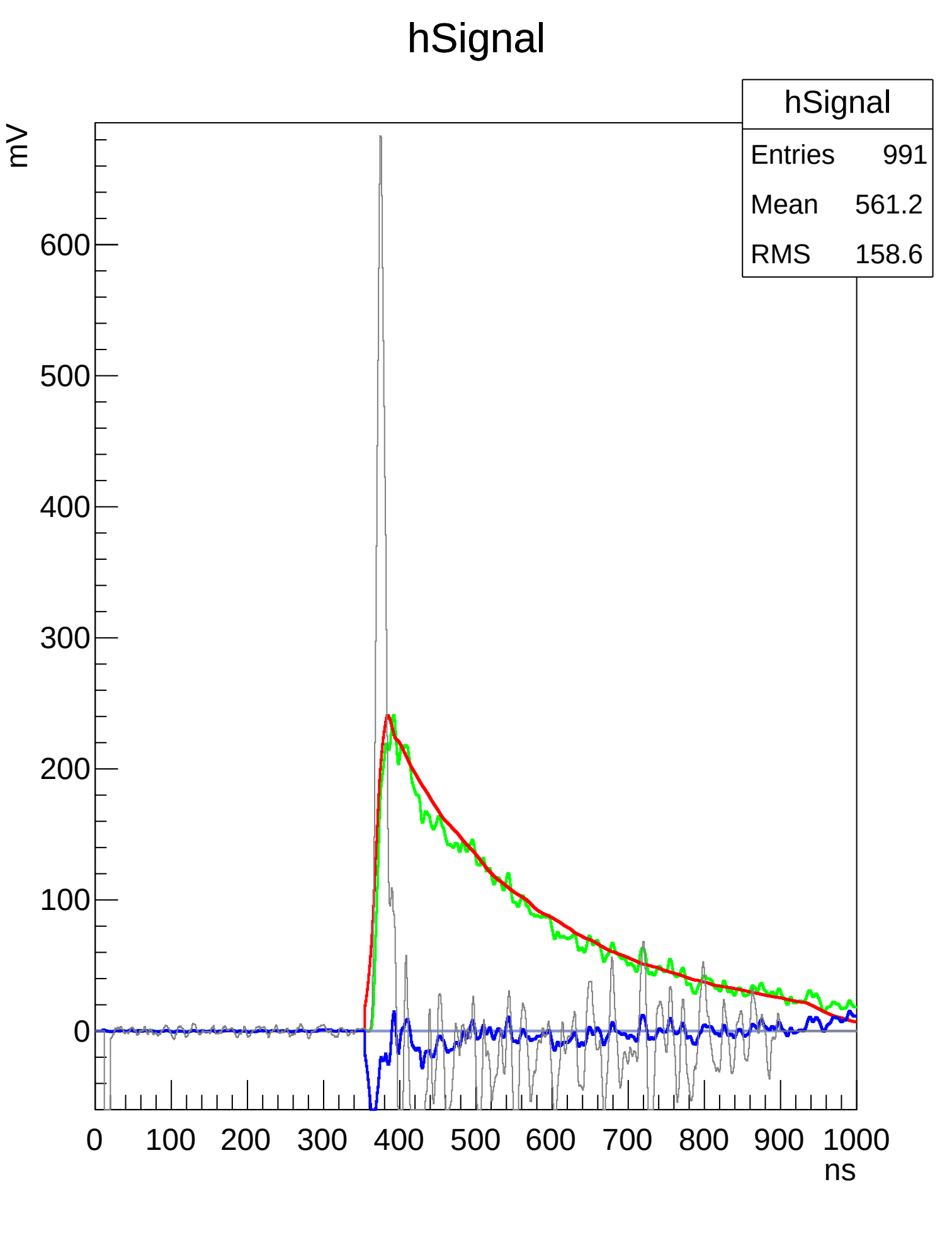
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.2
RMS 158.6
mV
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500
400
300
200
100
0
0
100
200
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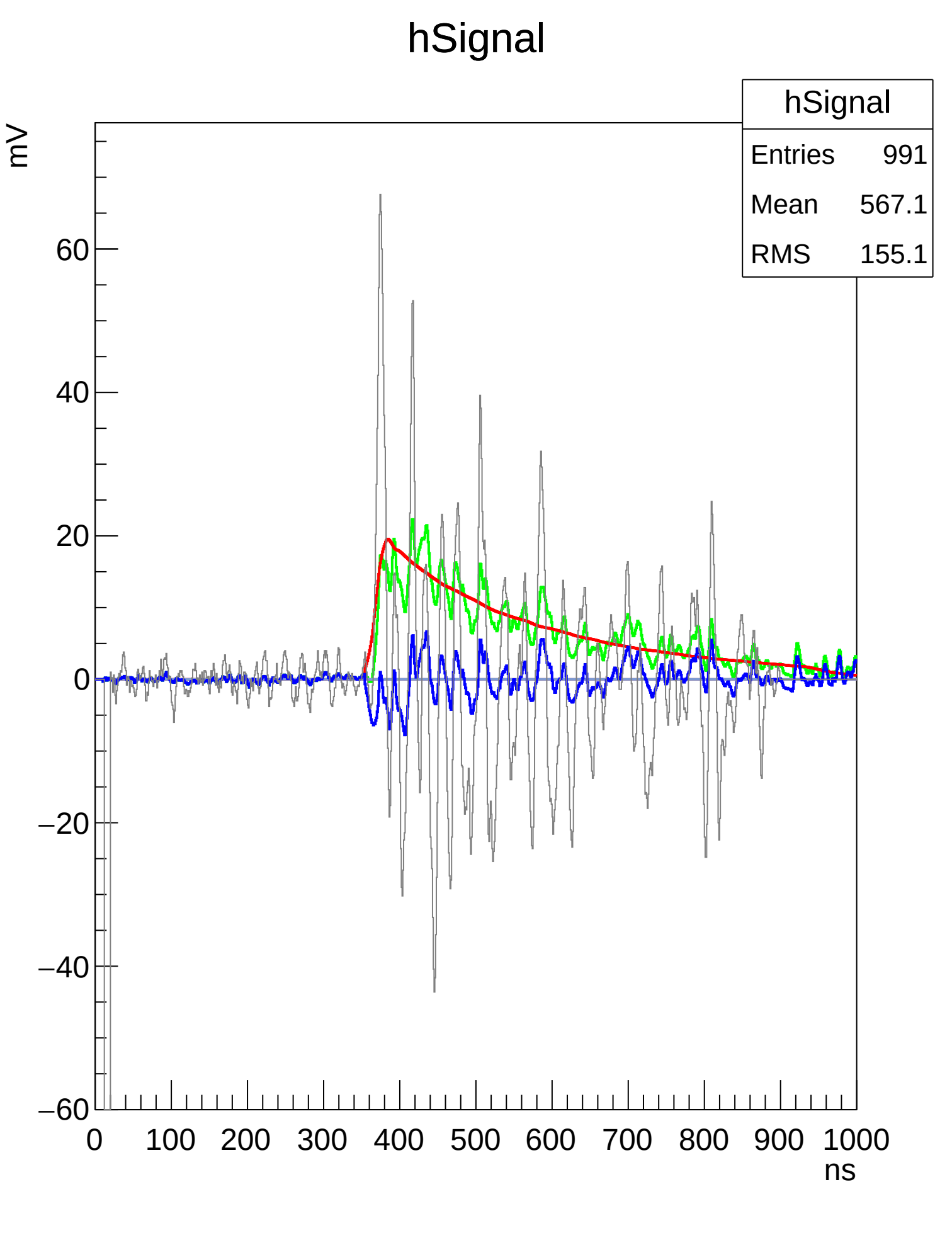
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.1
RMS 155.1
mV
60
40
20
0
−20
−40
−60
0
100
200
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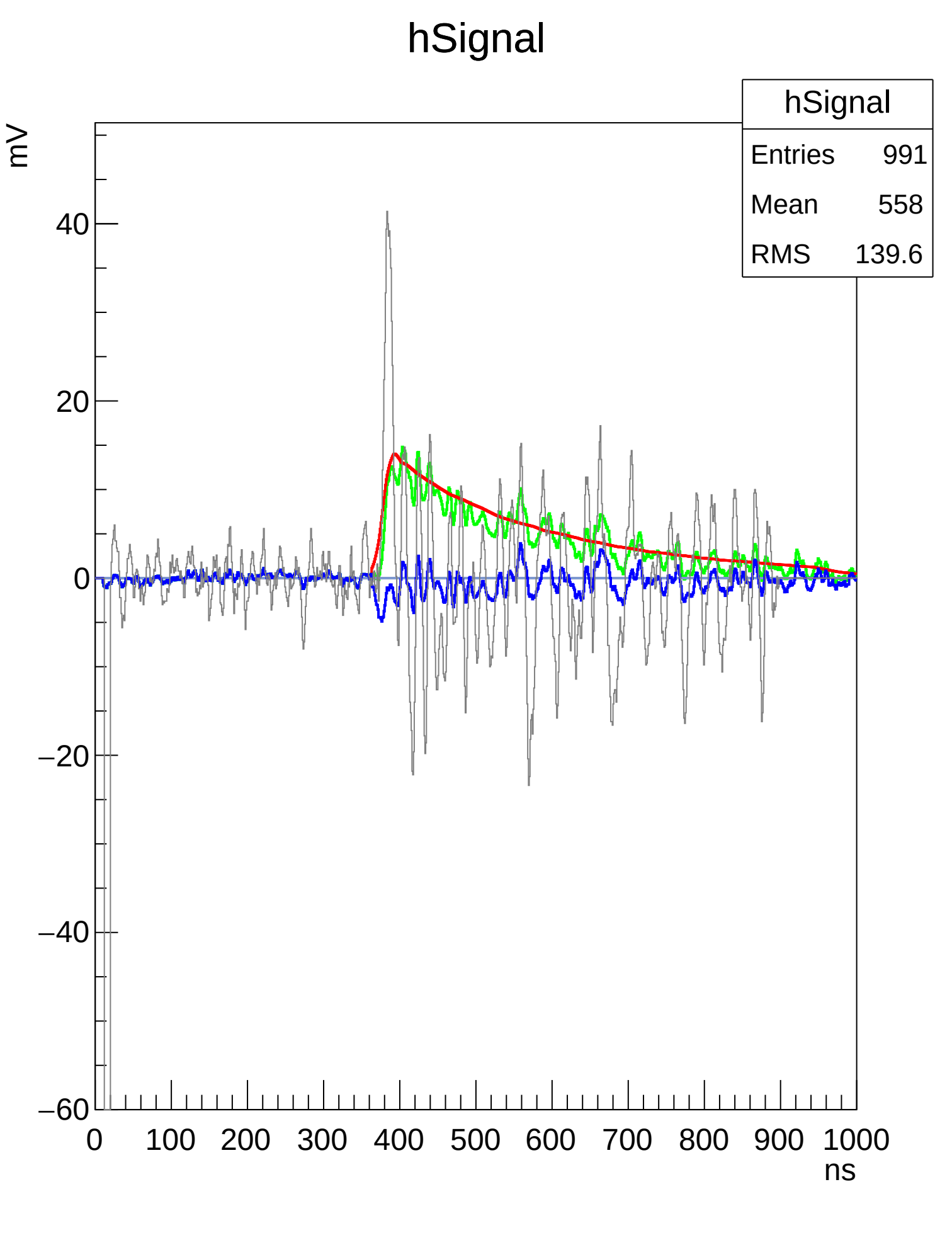
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 139.6
mV
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20
0
−20
−40
−60
0
100
200
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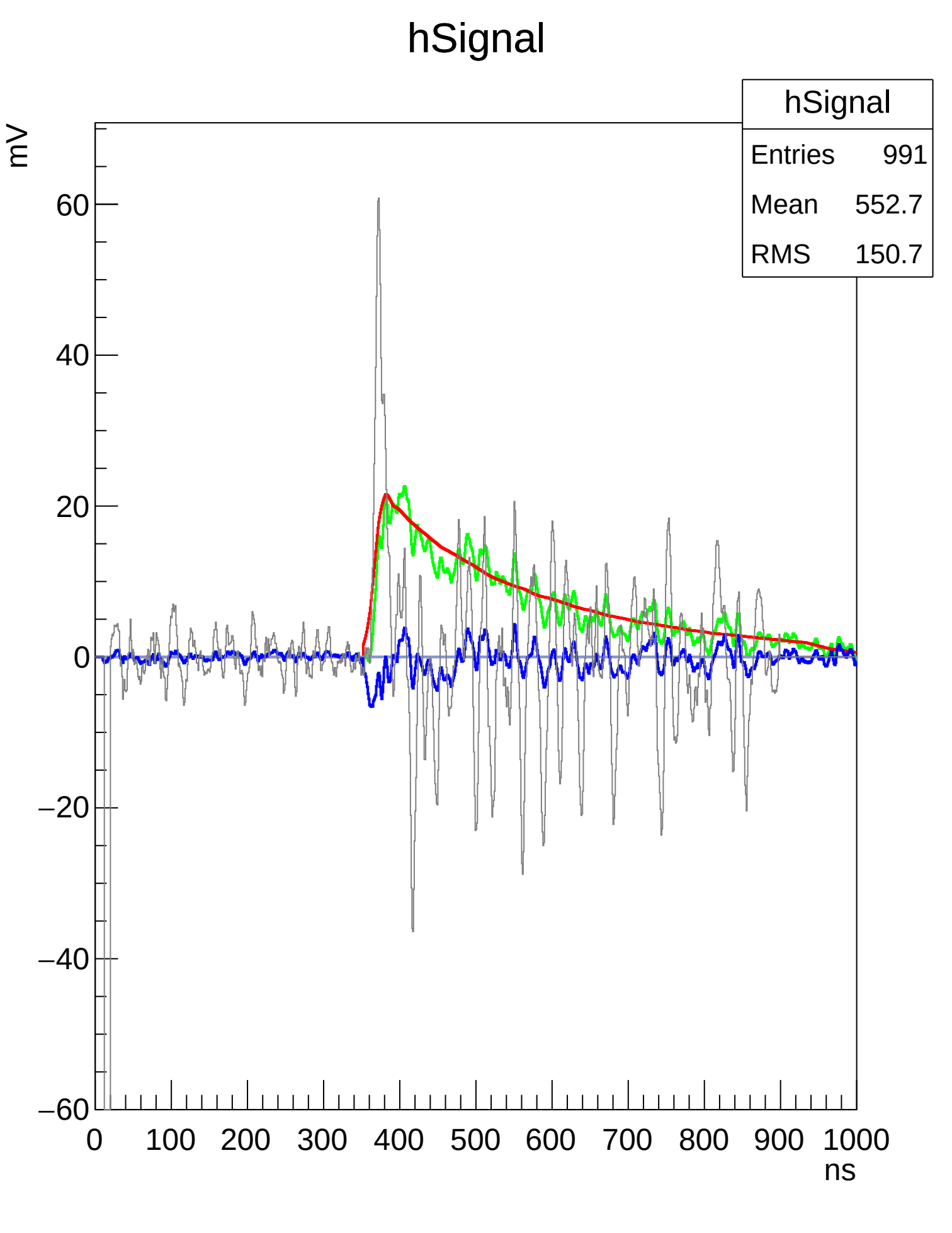
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.7
RMS 150.7
mV
60
40
20
0
−20
−40
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0
100
200
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400
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600
700
800
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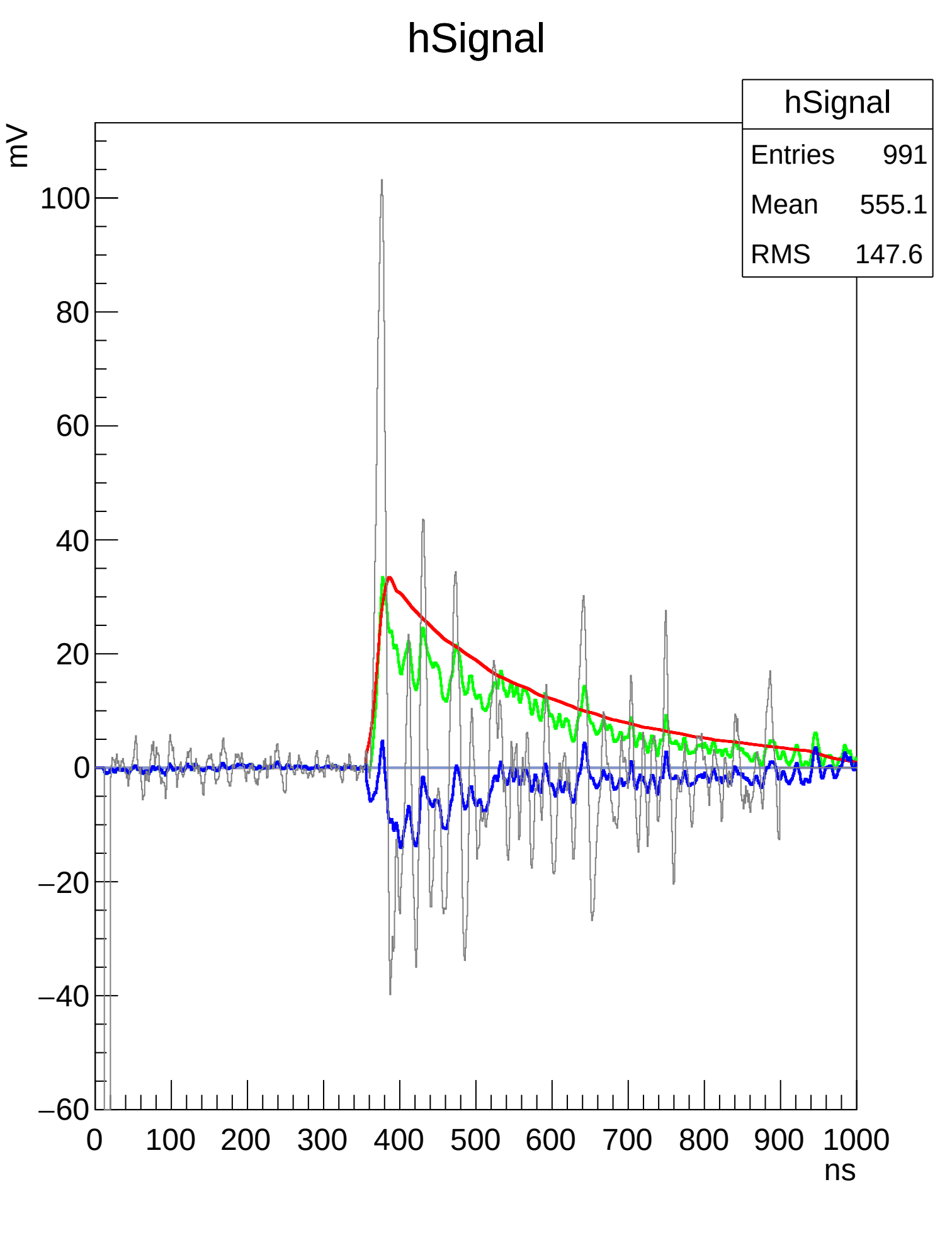
1000
ns


hSignal
hSignal
Entries 991
Mean 555.1
RMS 147.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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700
800
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1000
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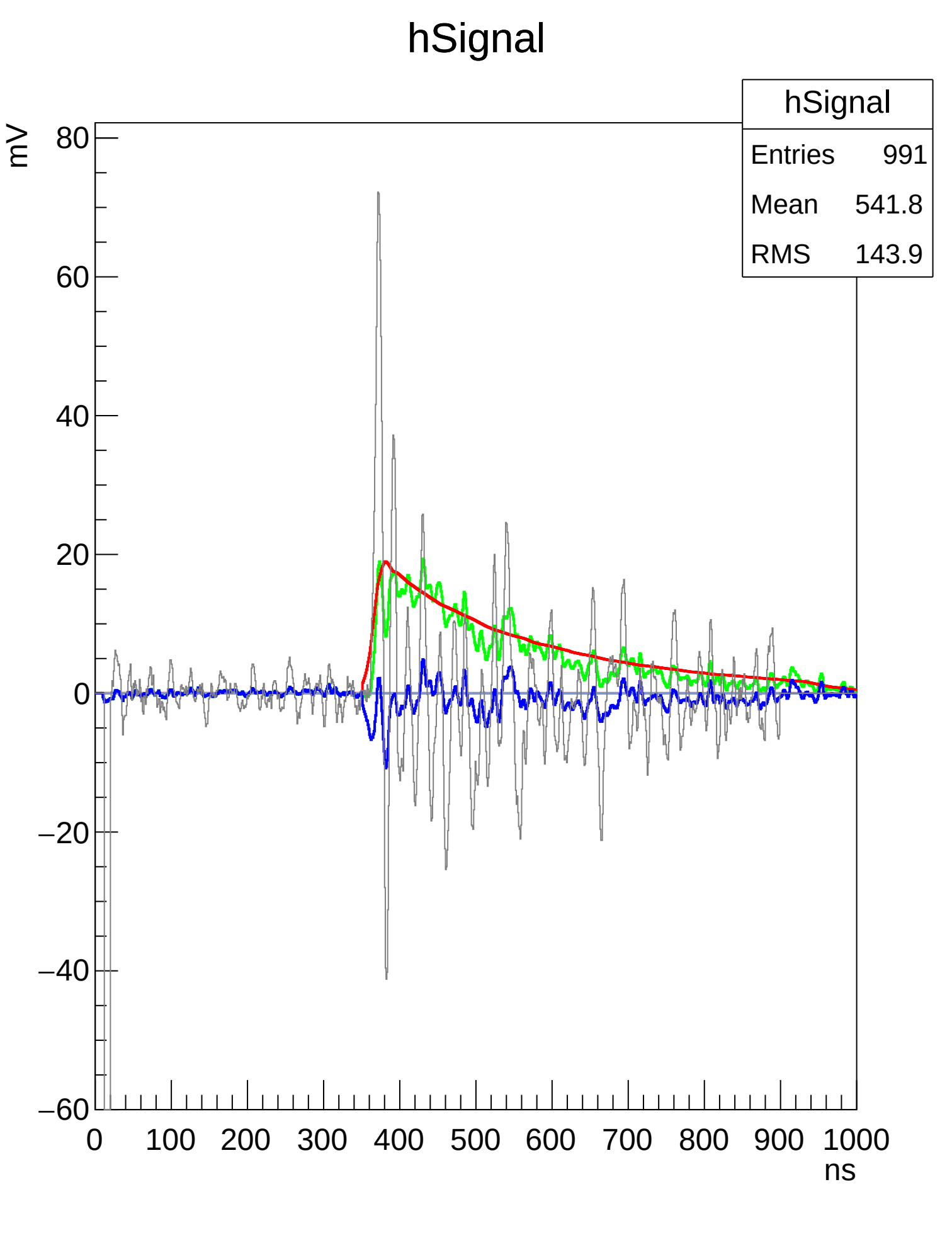
hSignal
hSignal
Entries 991
Mean 541.8
RMS 143.9
mV
80
60
40
20
0
−20
−40
−60
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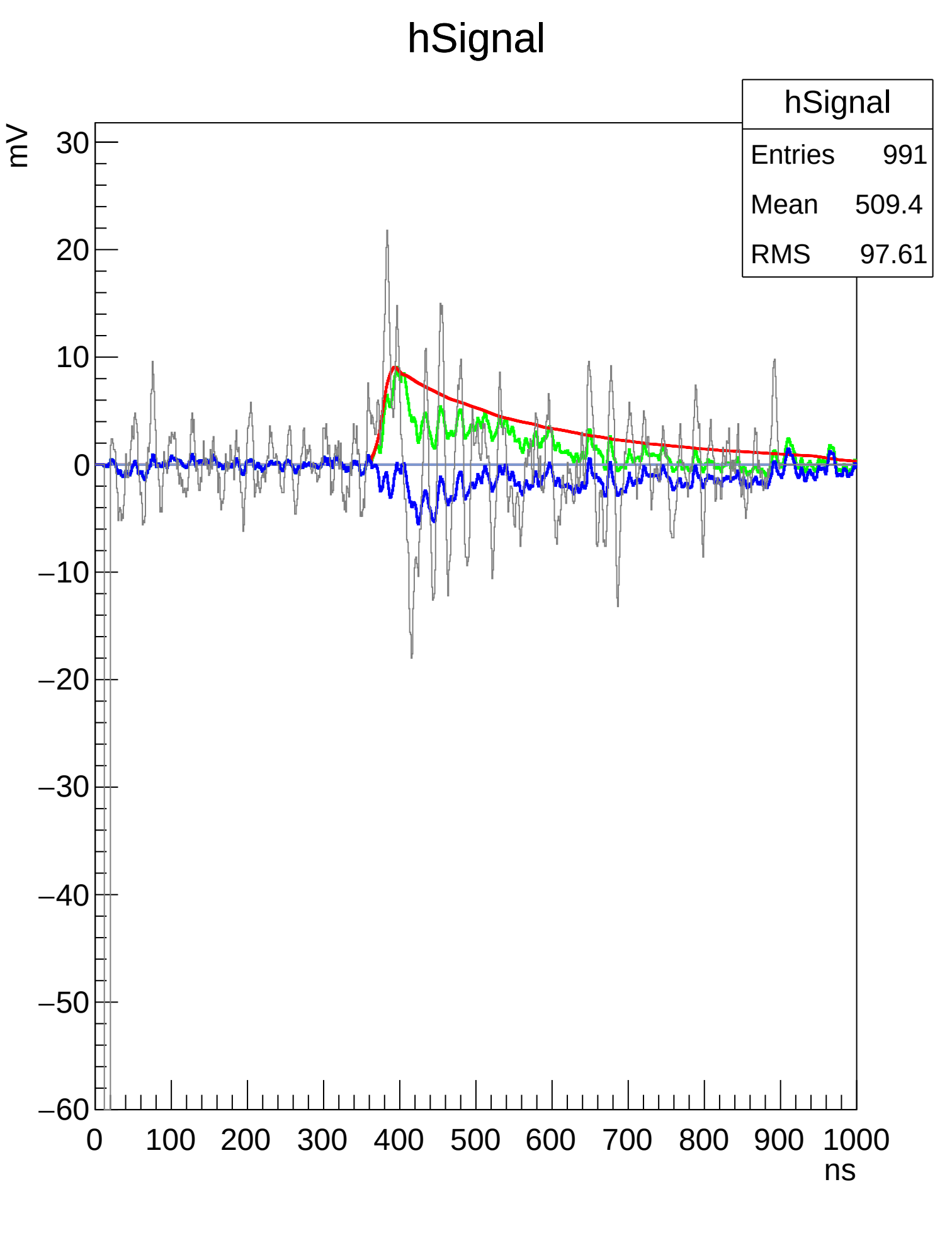
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.4
RMS 97.61
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
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400
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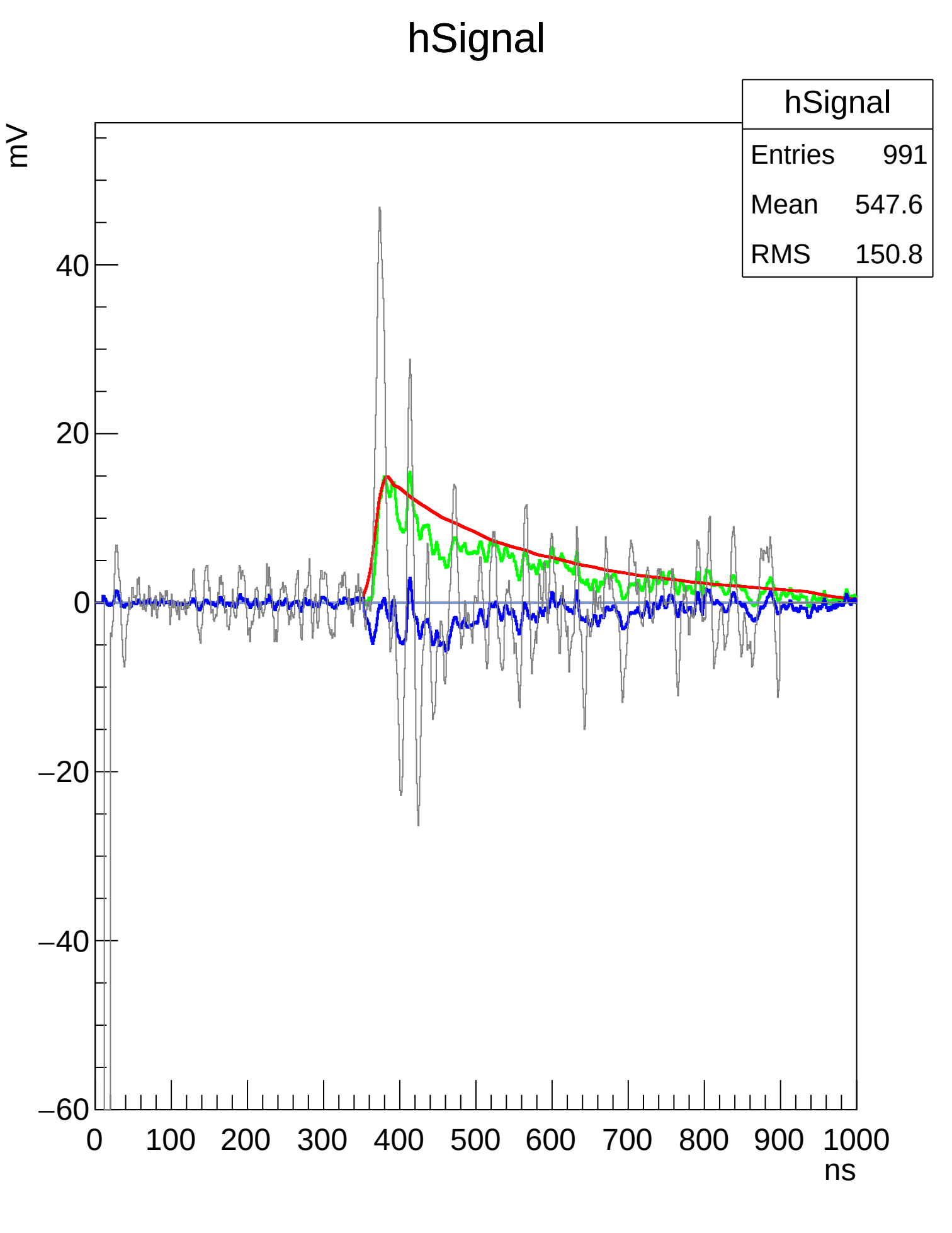
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.6
RMS 150.8
mV
40
20
0
−20
−40
−60
0
100
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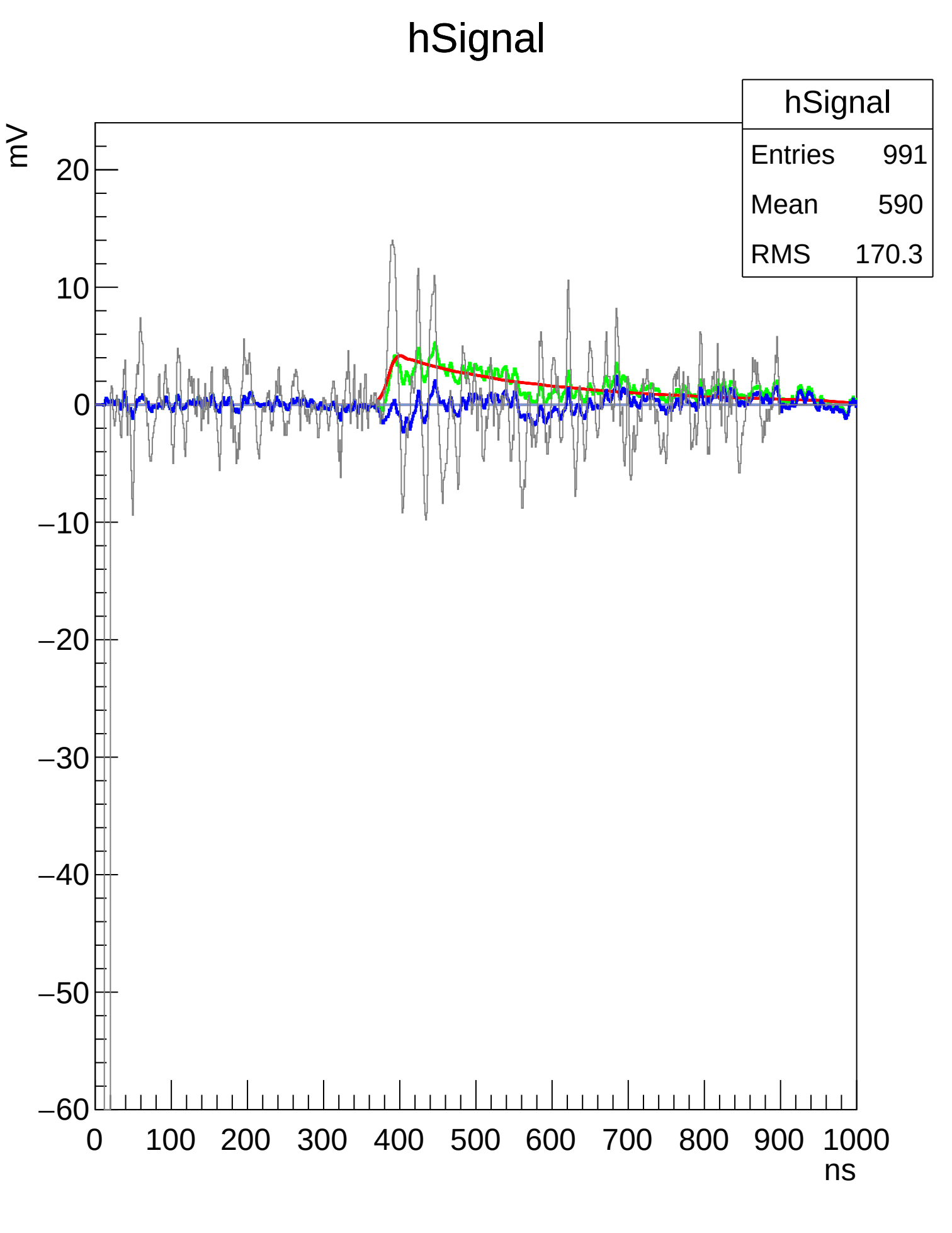
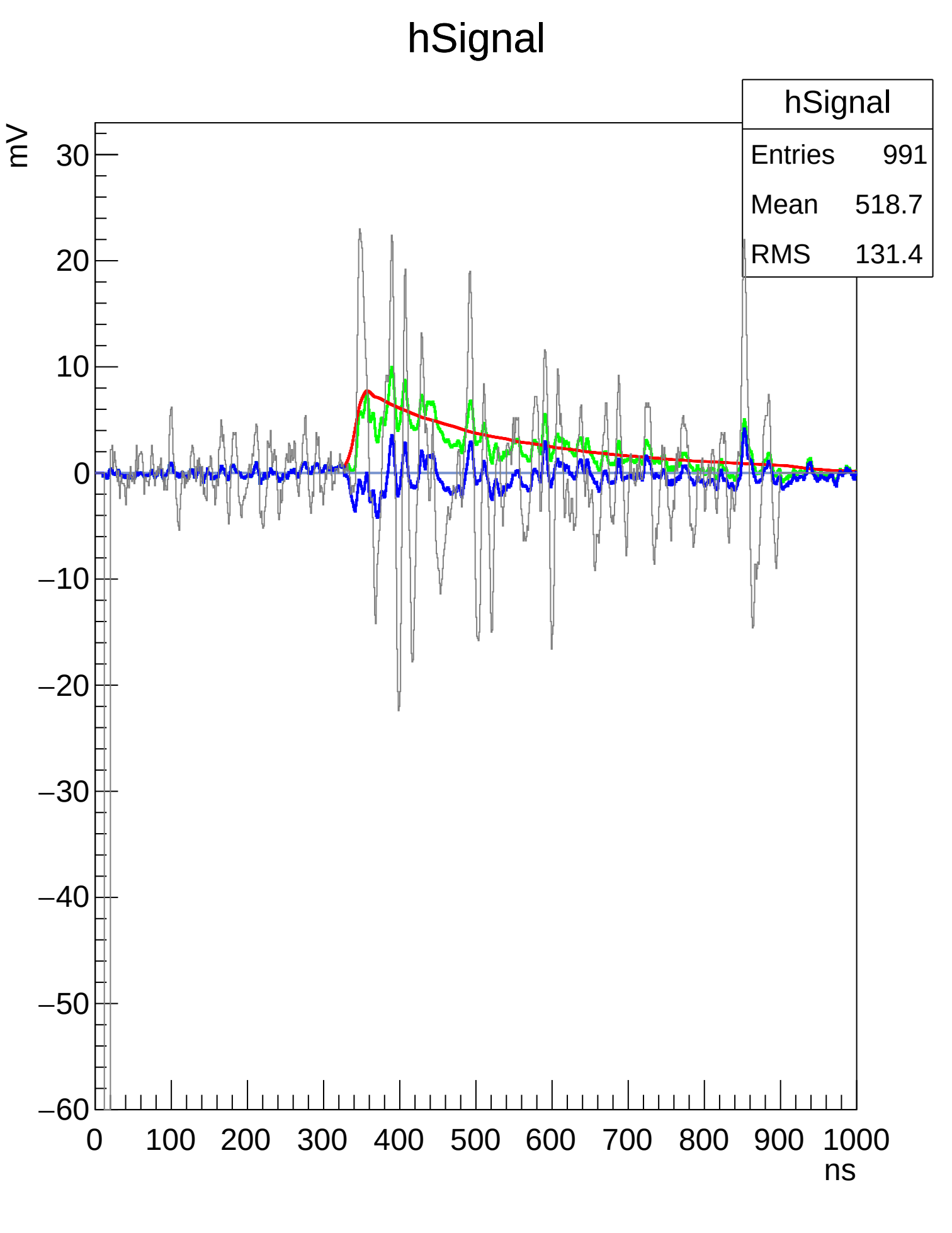
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 170.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.7
RMS 131.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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600
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800
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1000
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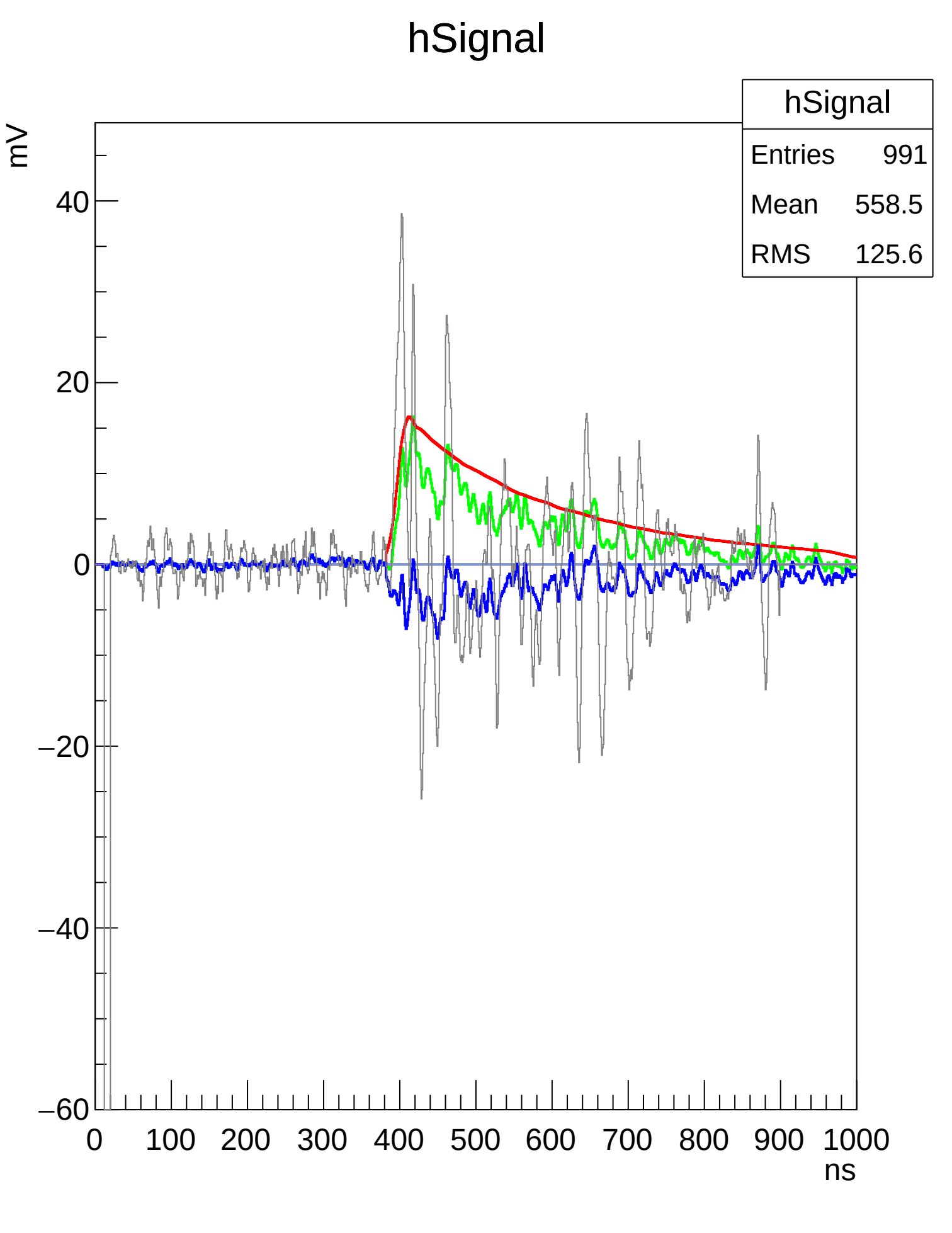
hSignal
hSignal
Entries 991
Mean 558.5
RMS 125.6
mV
40
20
0
−20
−40
−60
0
100
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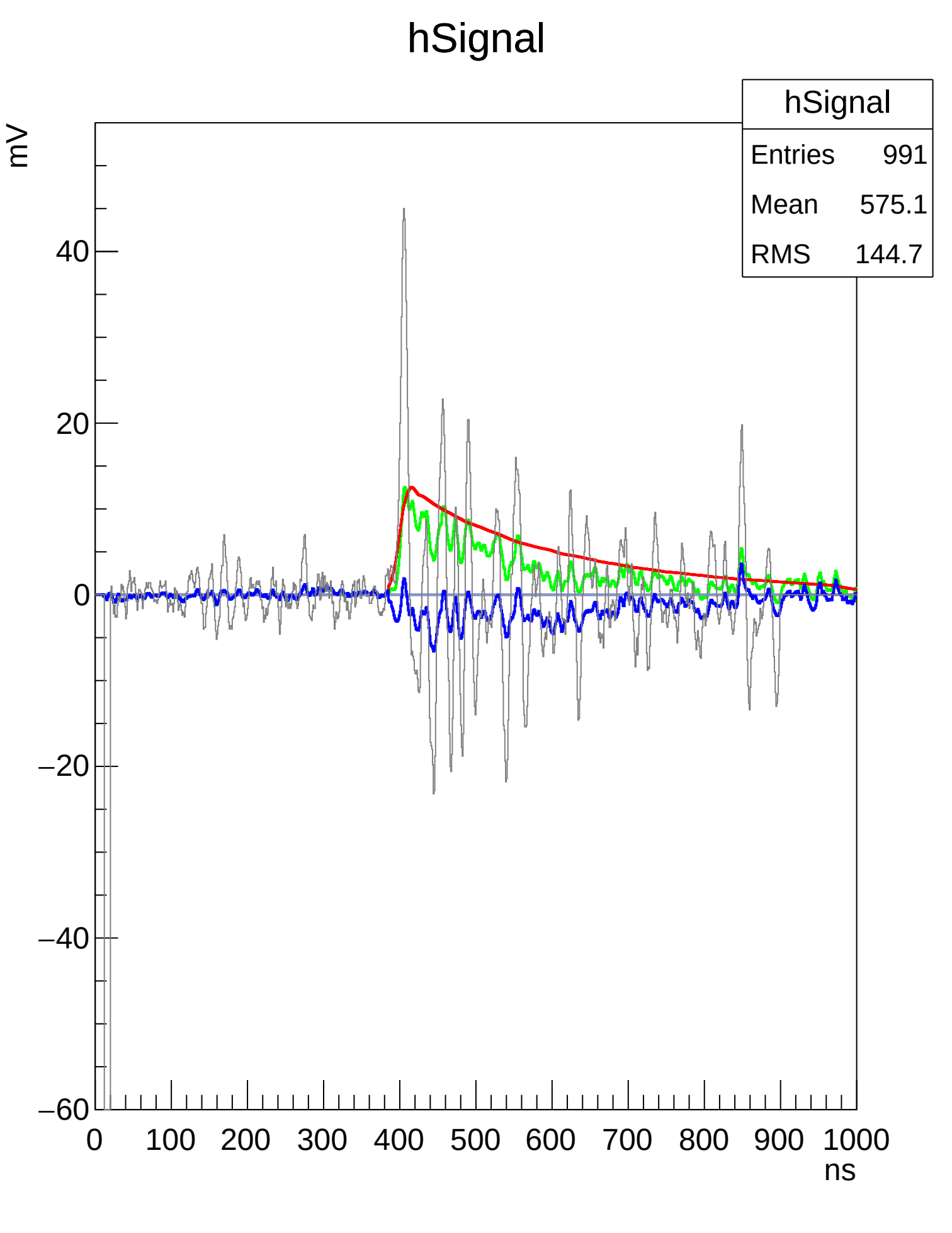
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.1
RMS 144.7
mV
40
20
0
−20
−40
−60
0
100
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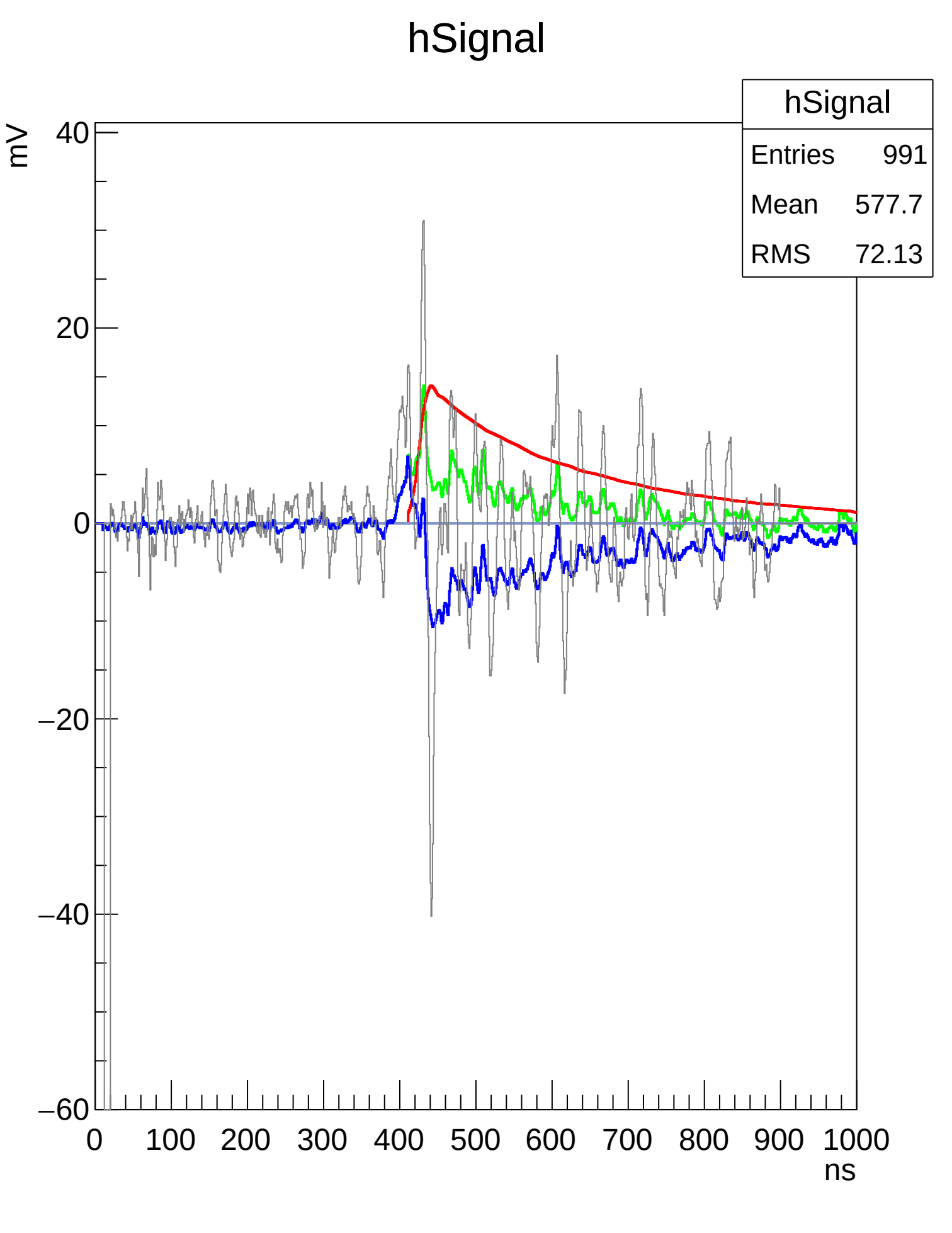
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.7
RMS 72.13
mV
40
20
0
−20
−40
−60
0
100
200
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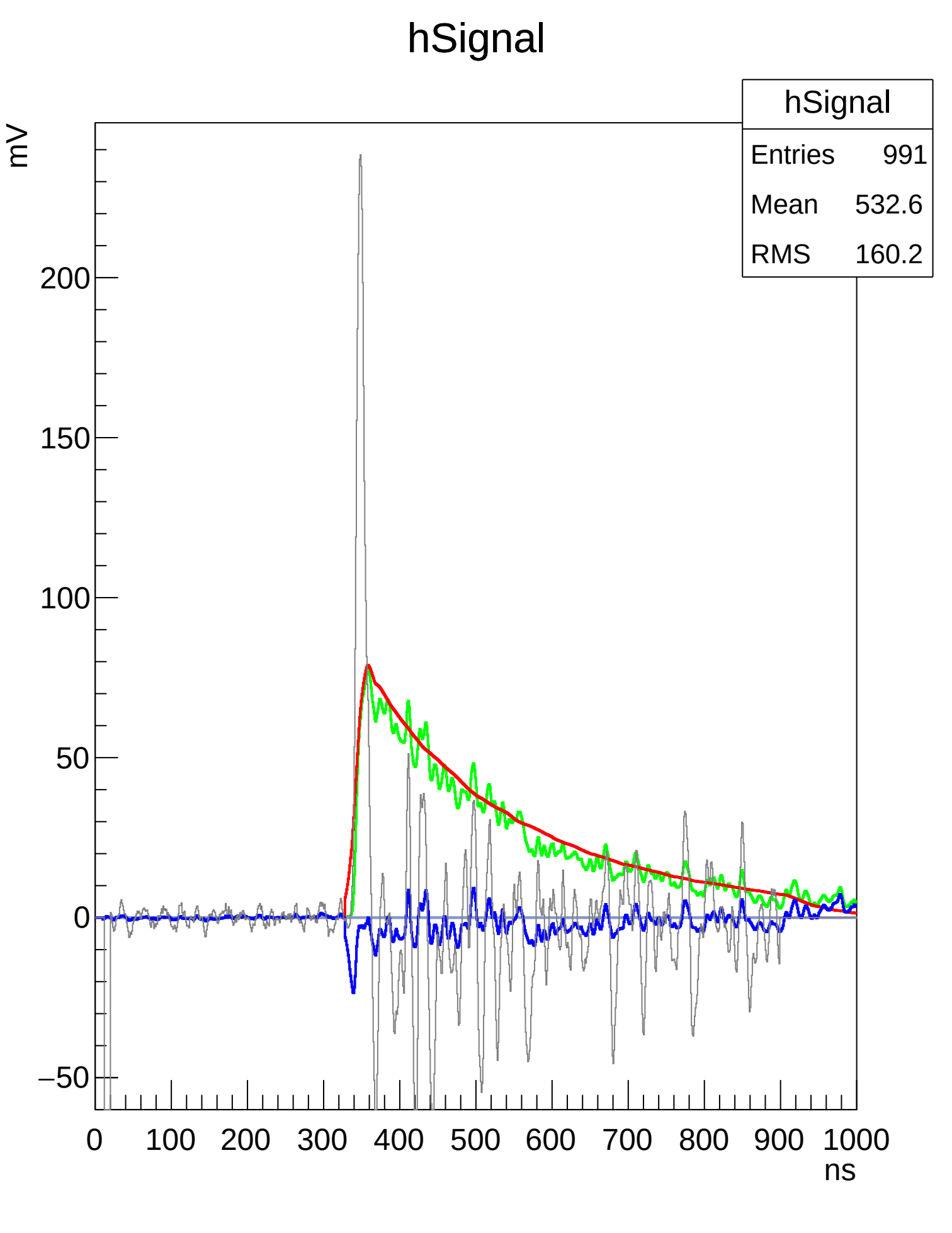
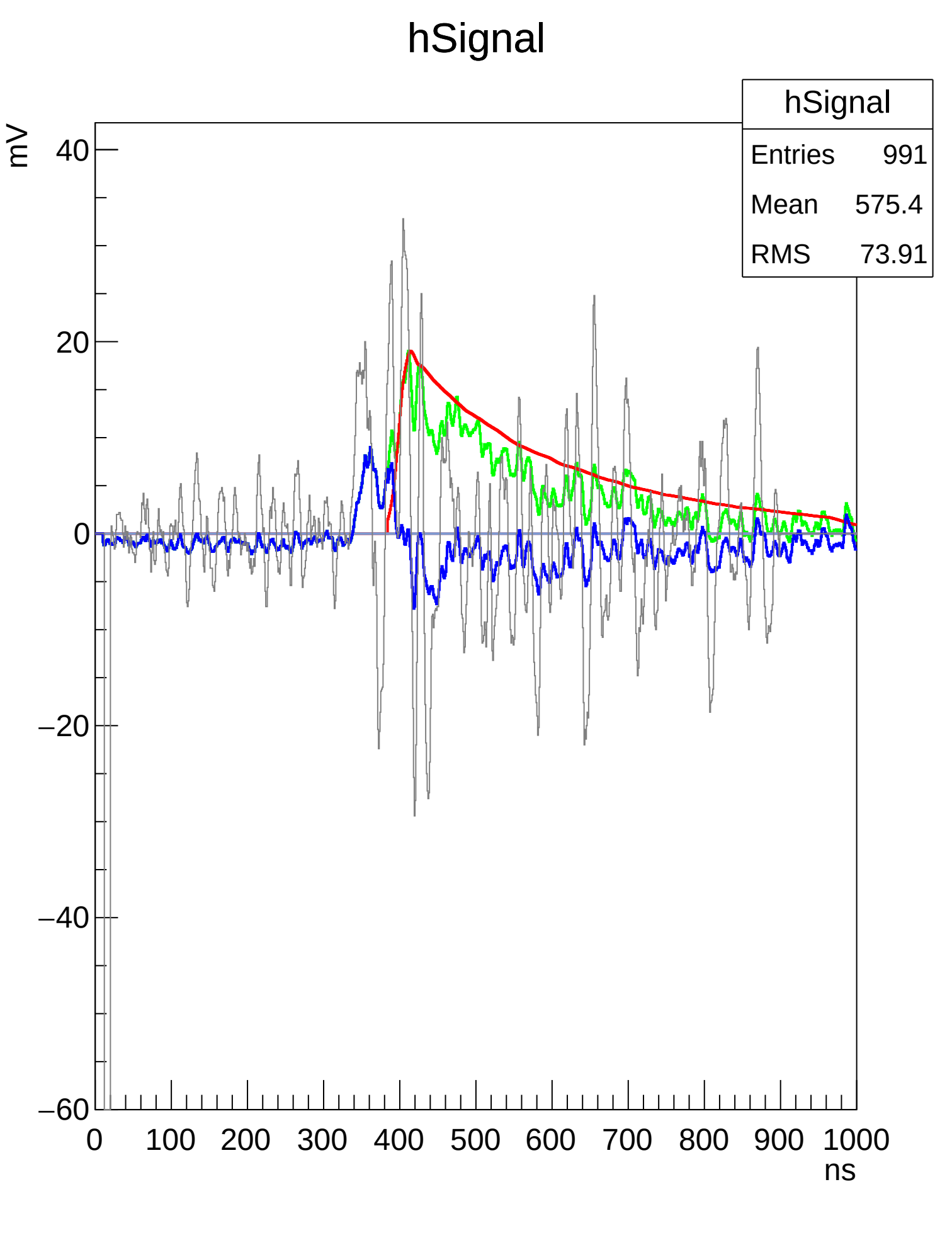
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.6
RMS 160.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.4
RMS 73.91
mV
40
20
0
−20
−40
−60
0
100
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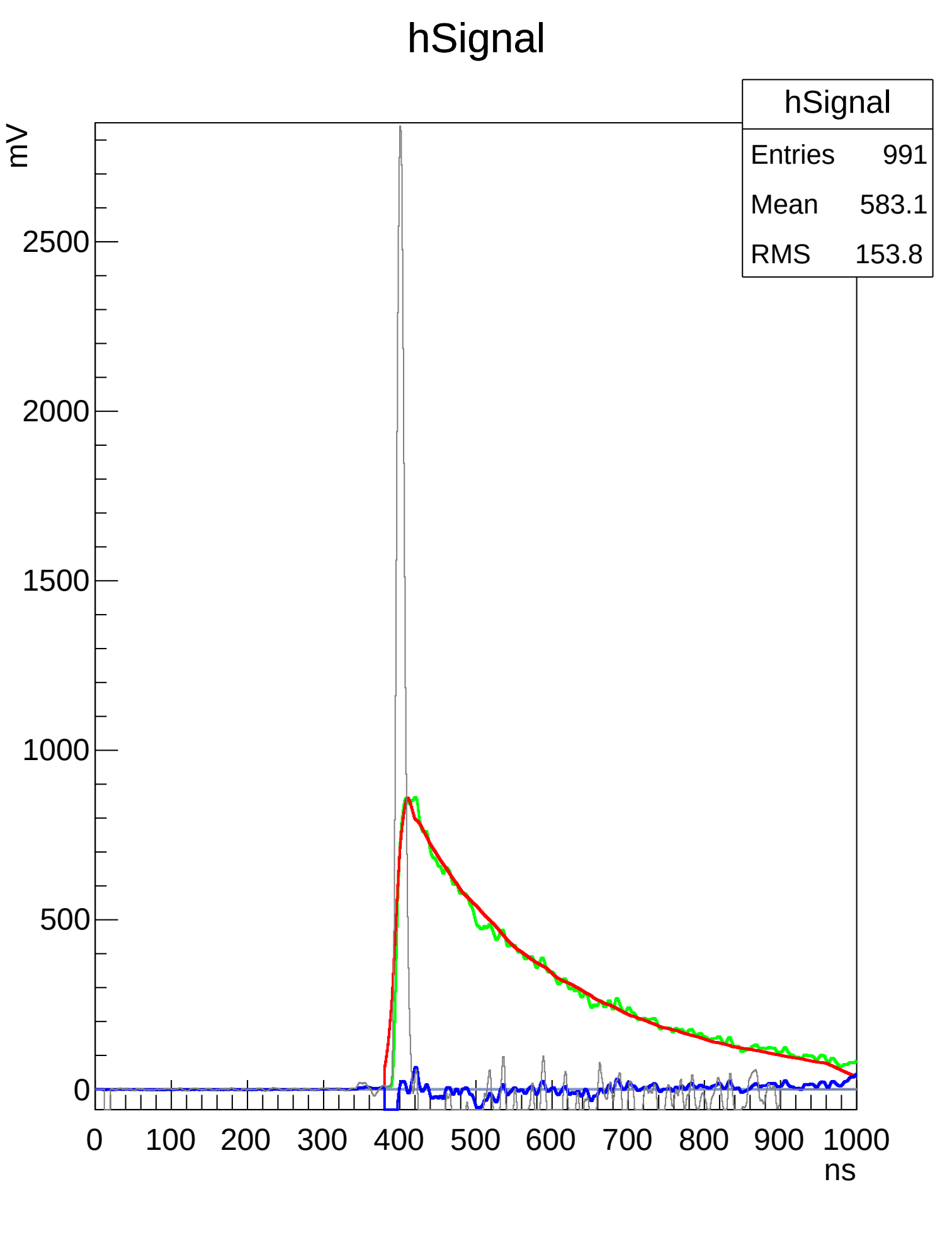
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.1
RMS 153.8
mV
2500
2000
1500
1000
500
0
0
100
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400
500
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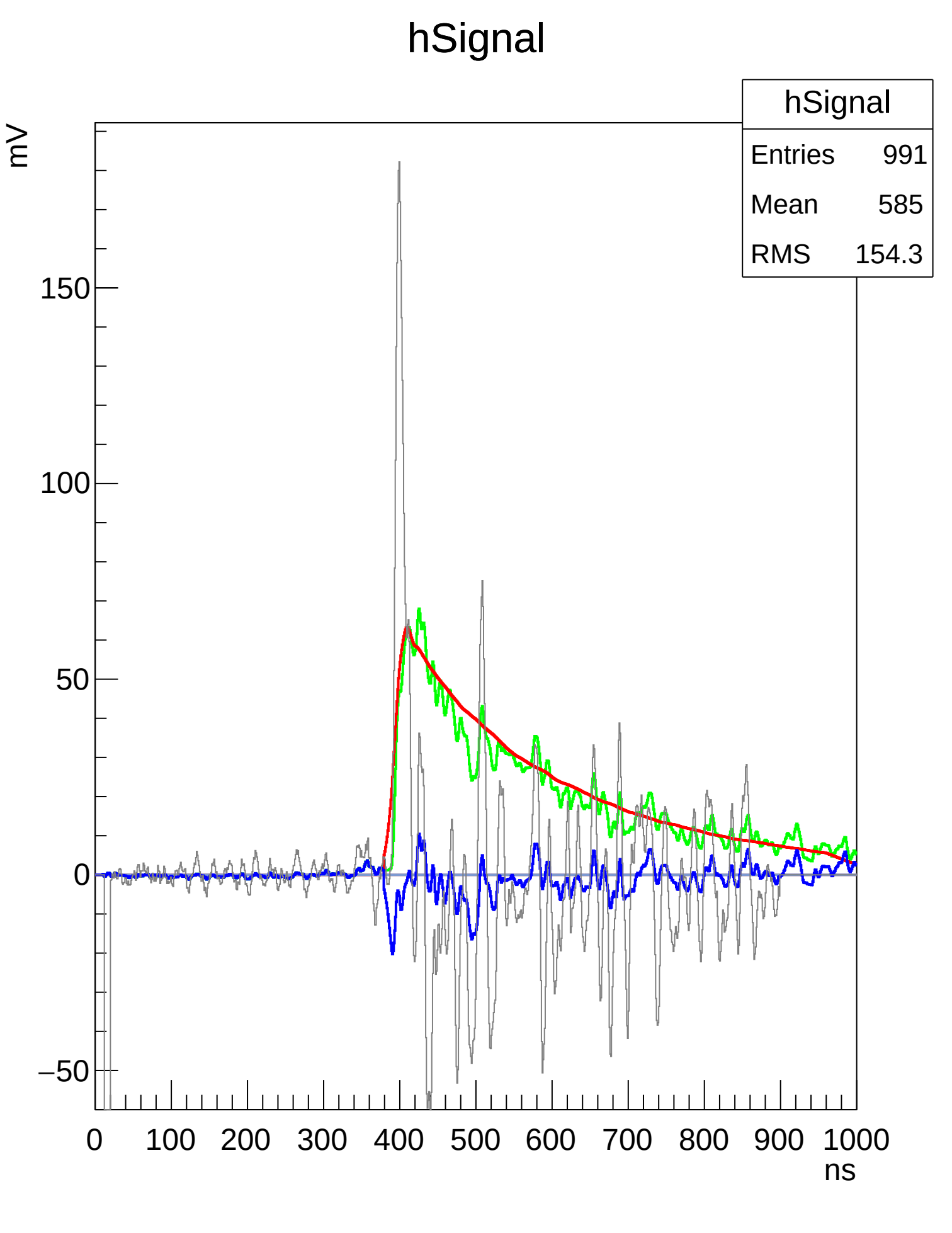
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585
RMS 154.3
mV
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100
50
0
−50
0
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200
300
400
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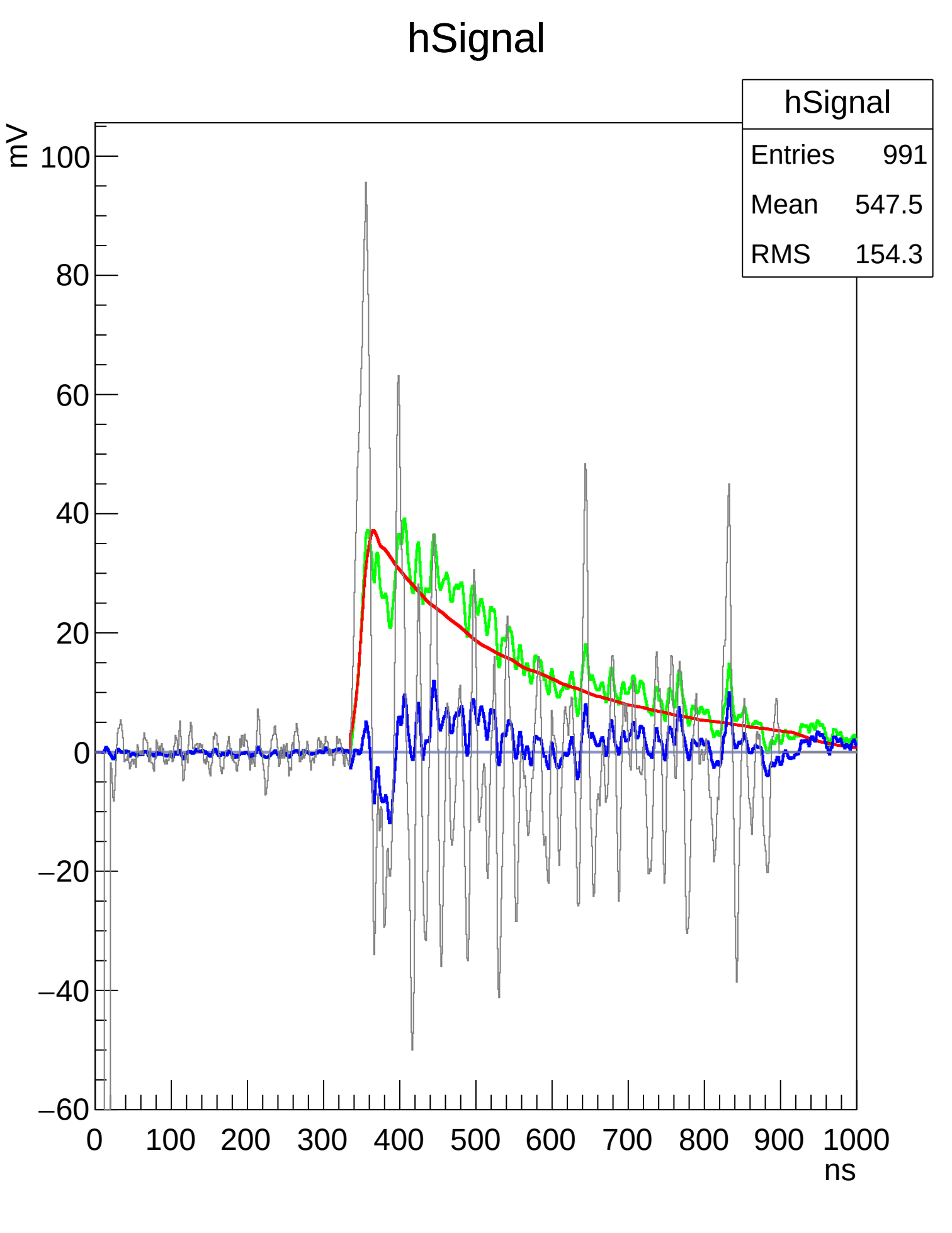
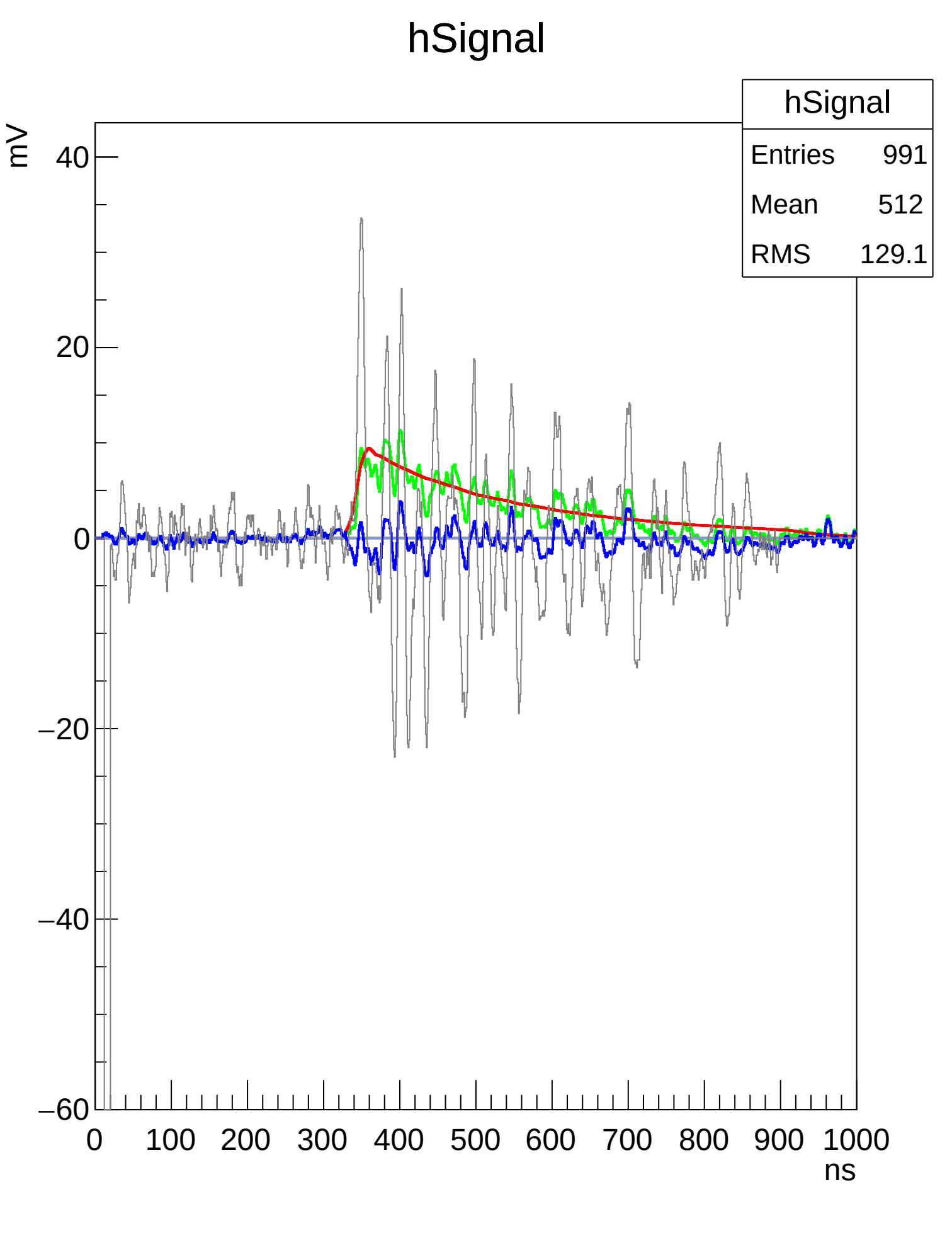
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.5
RMS 154.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512
RMS 129.1
mV
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−20
−40
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0
100
200
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1000
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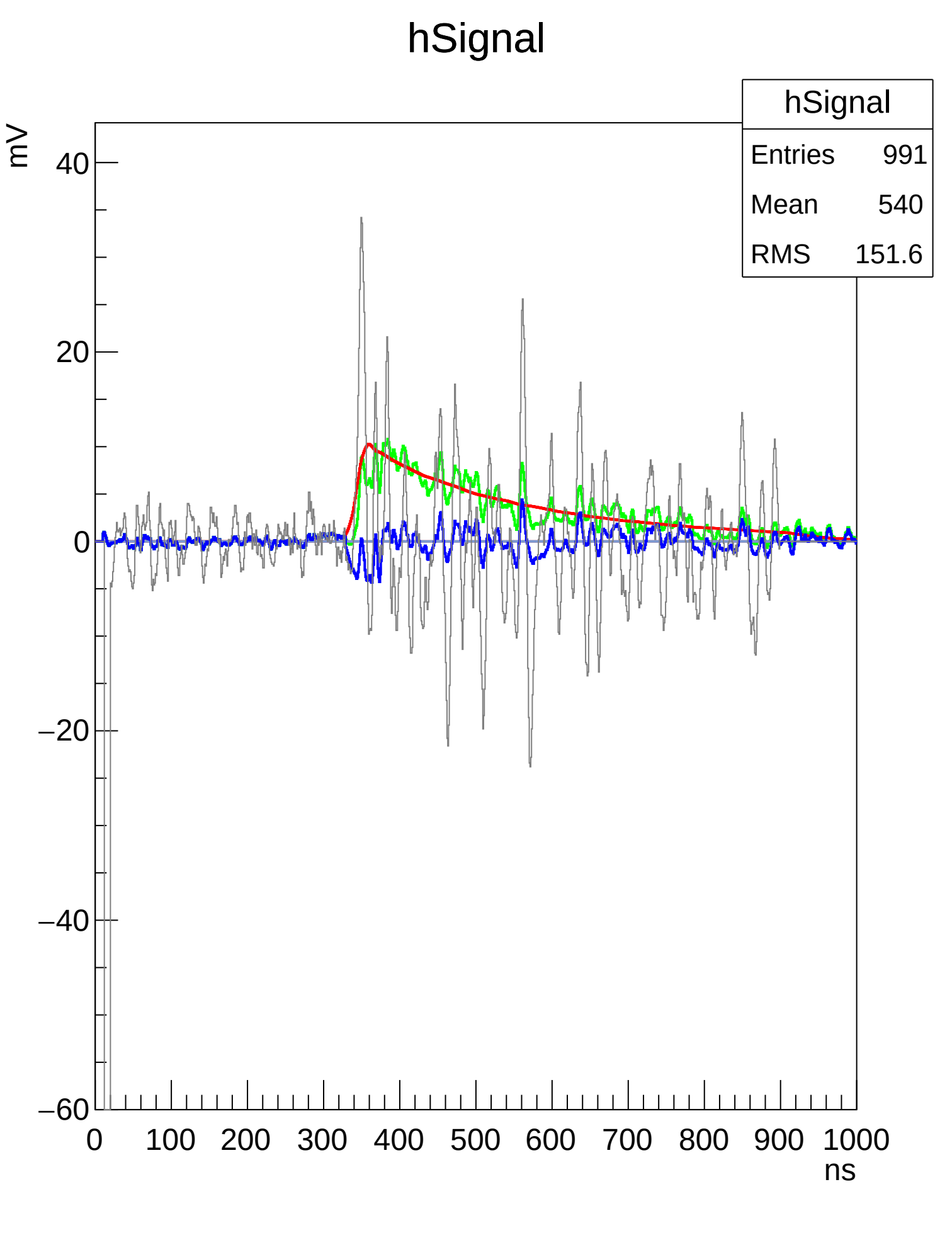
hSignal
hSignal
Entries 991
Mean 540
RMS 151.6
mV
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20
0
−20
−40
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0
100
200
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400
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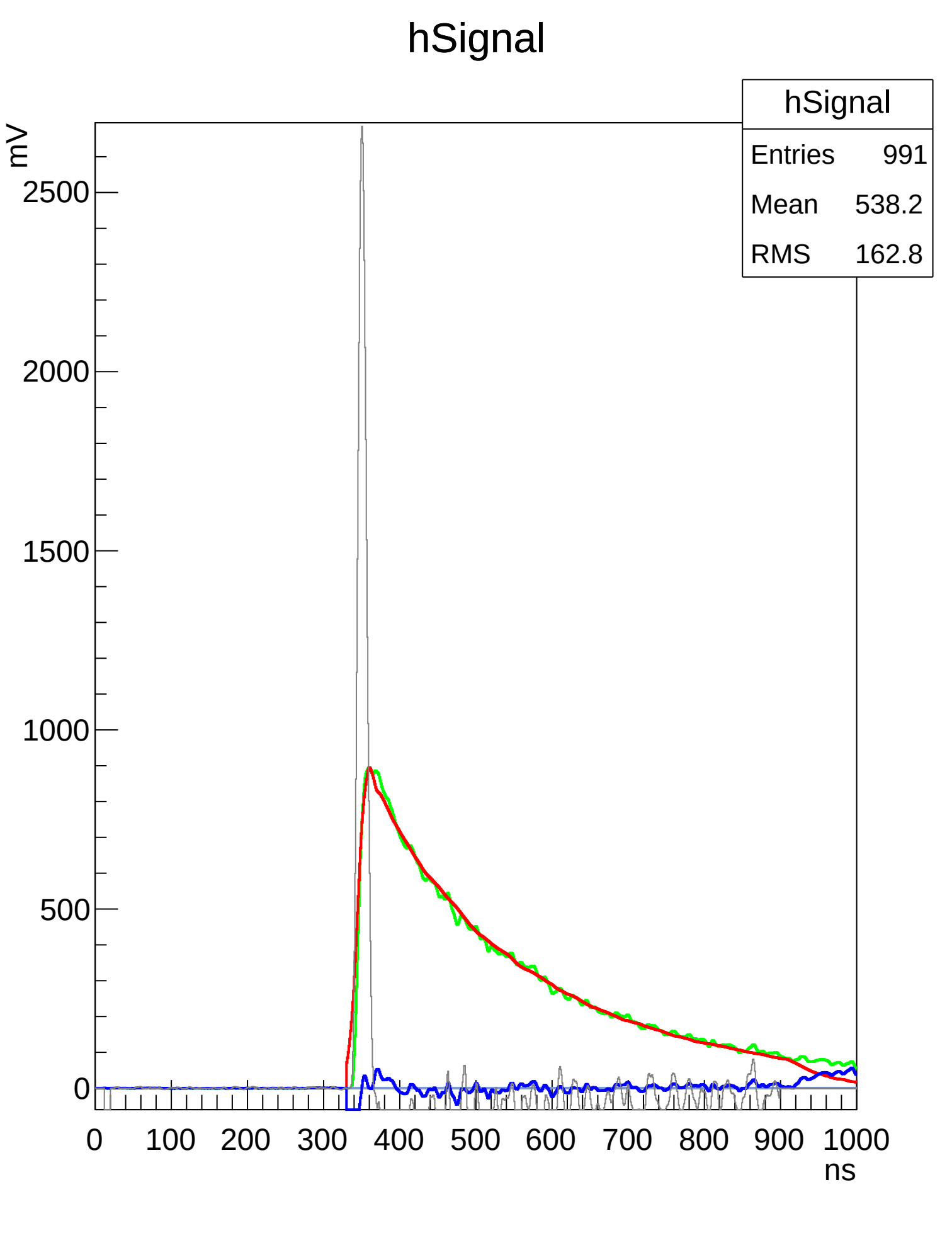
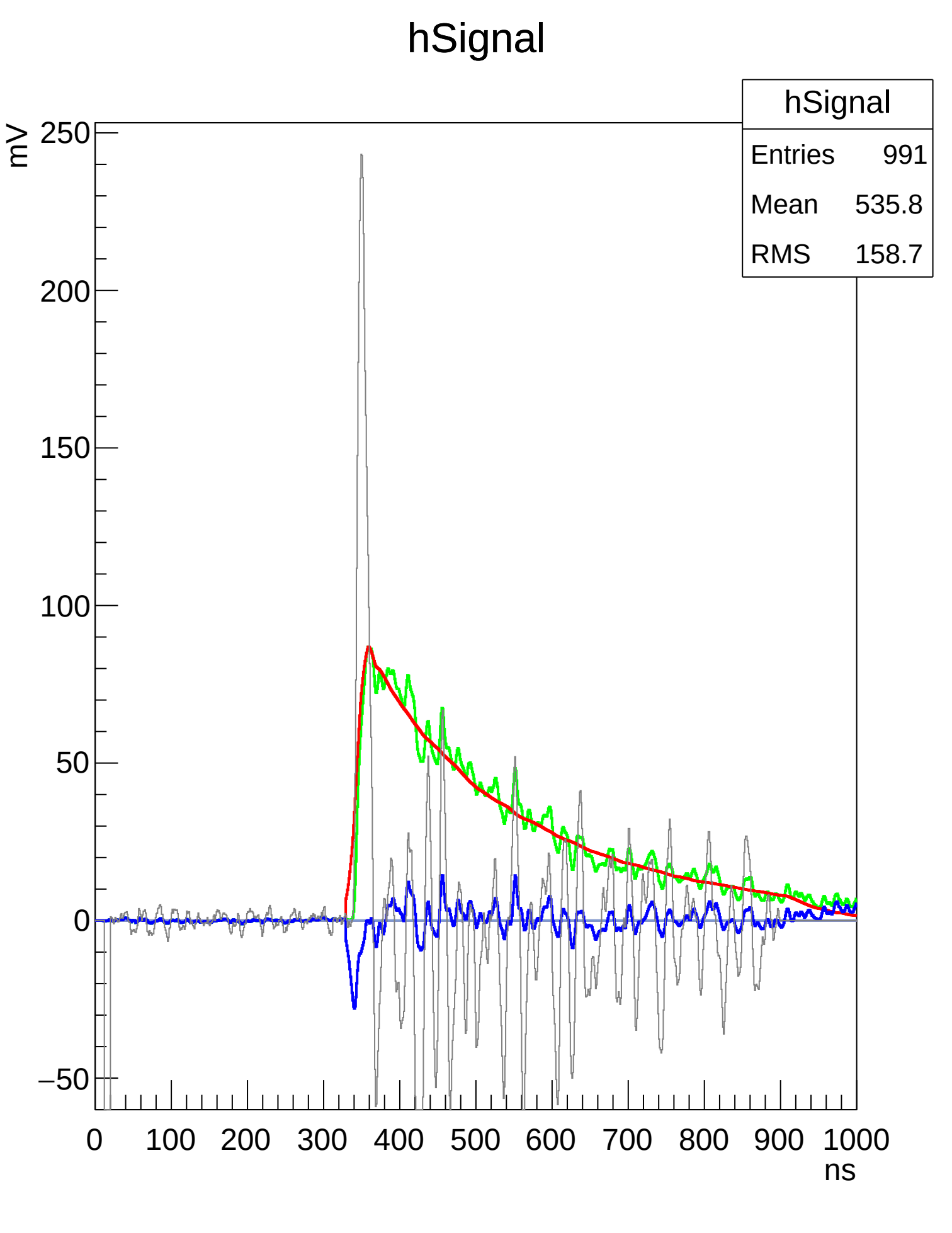
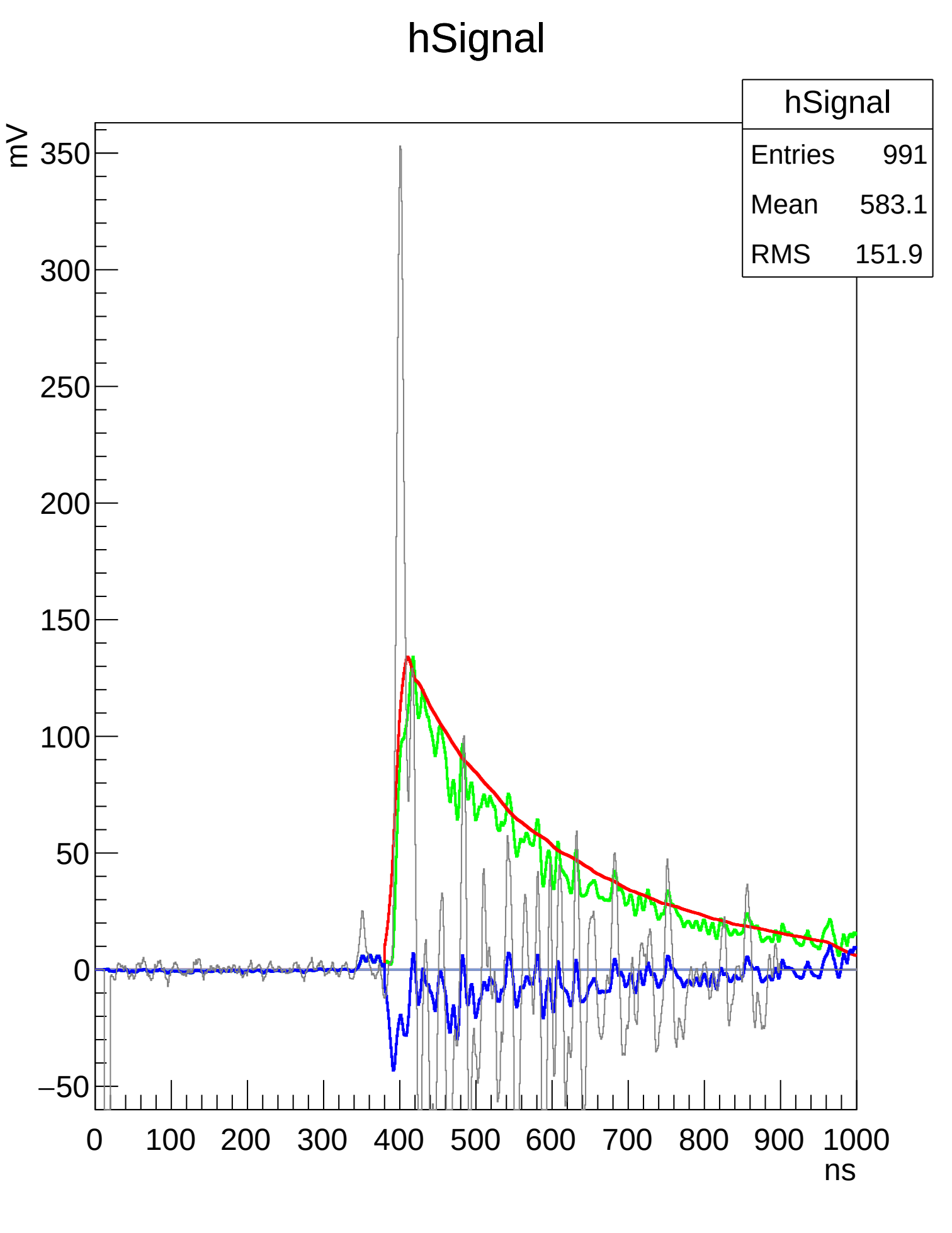

hSignal
hSignal
Entries 991
Mean 538.2
RMS 162.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 535.8
RMS 158.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.1
RMS 151.9
mV
350
300
250
200
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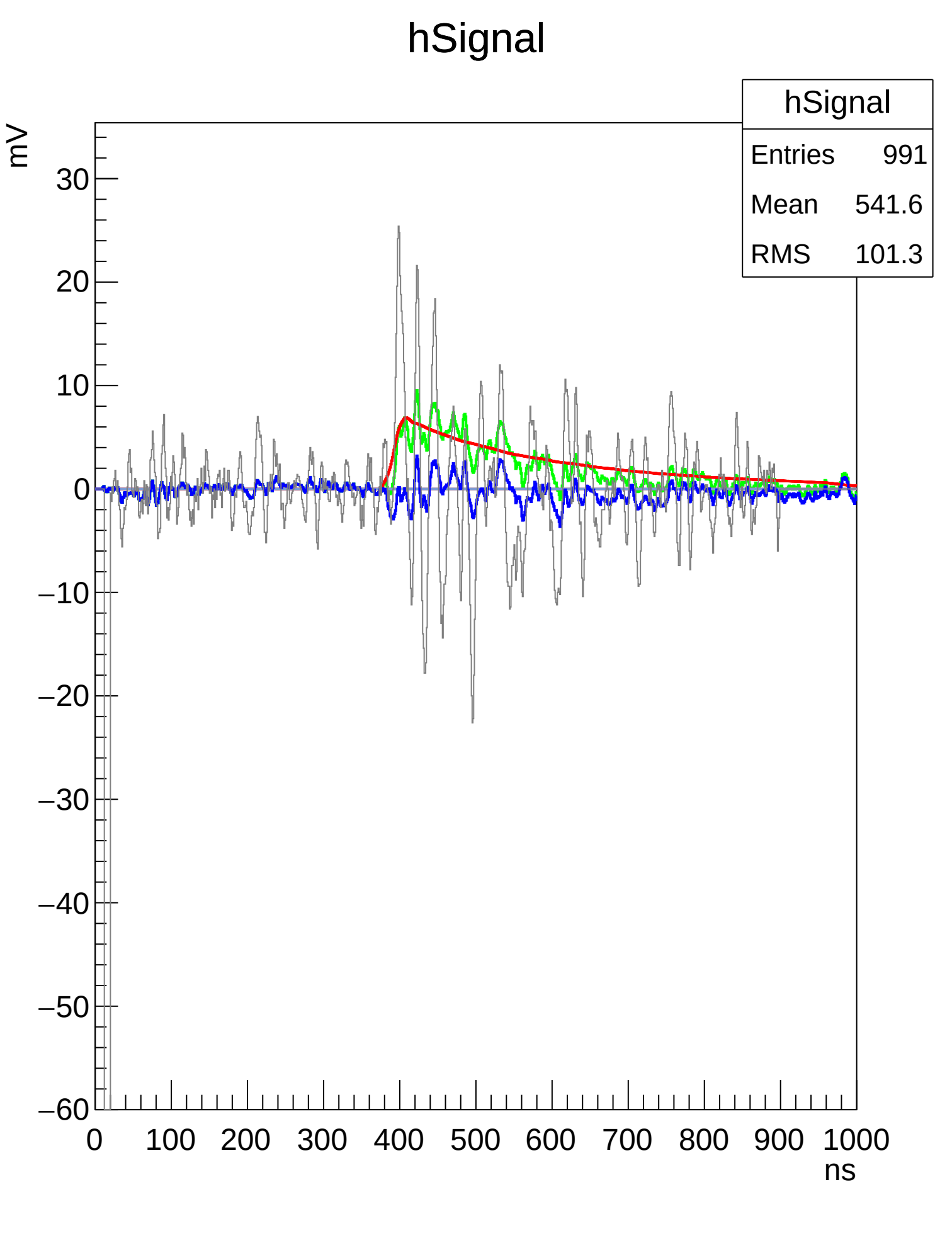
hSignal
hSignal
Entries 991
Mean 541.6
RMS 101.3
mV
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10
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−50
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1000
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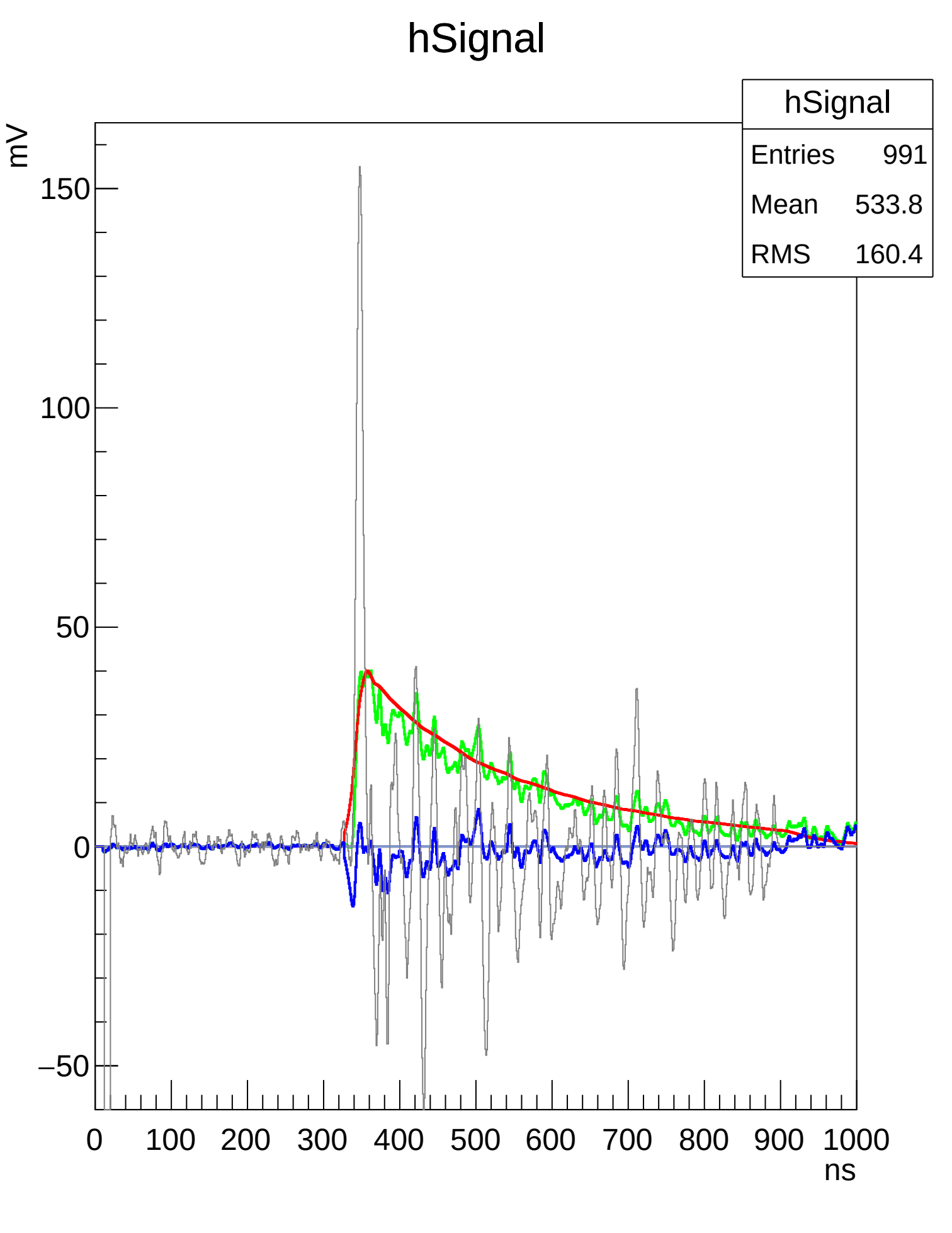
hSignal
hSignal
Entries 991
Mean 533.8
RMS 160.4
mV
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100
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0
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100
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800
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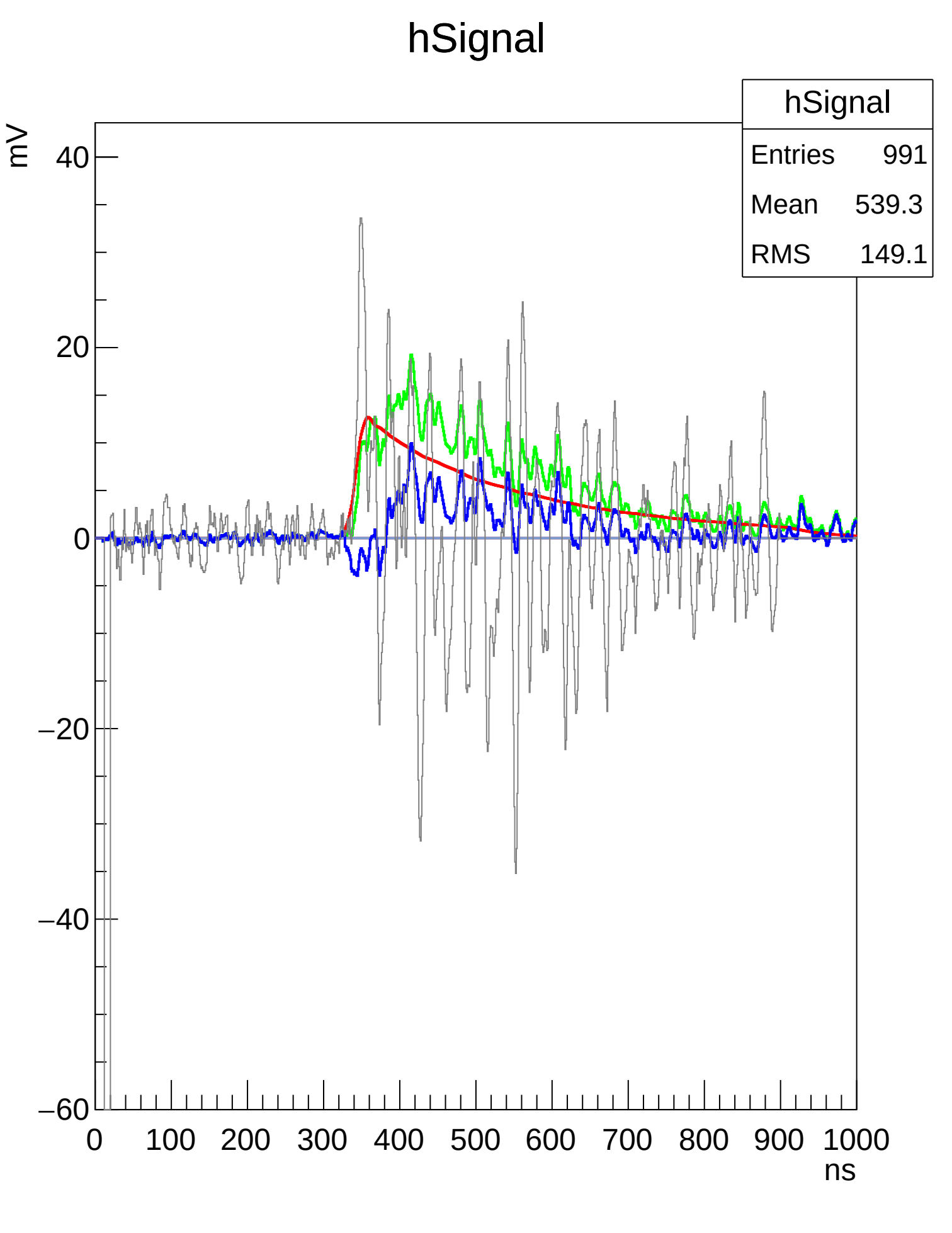
1000
ns


hSignal
hSignal
Entries 991
Mean 539.3
RMS 149.1
mV
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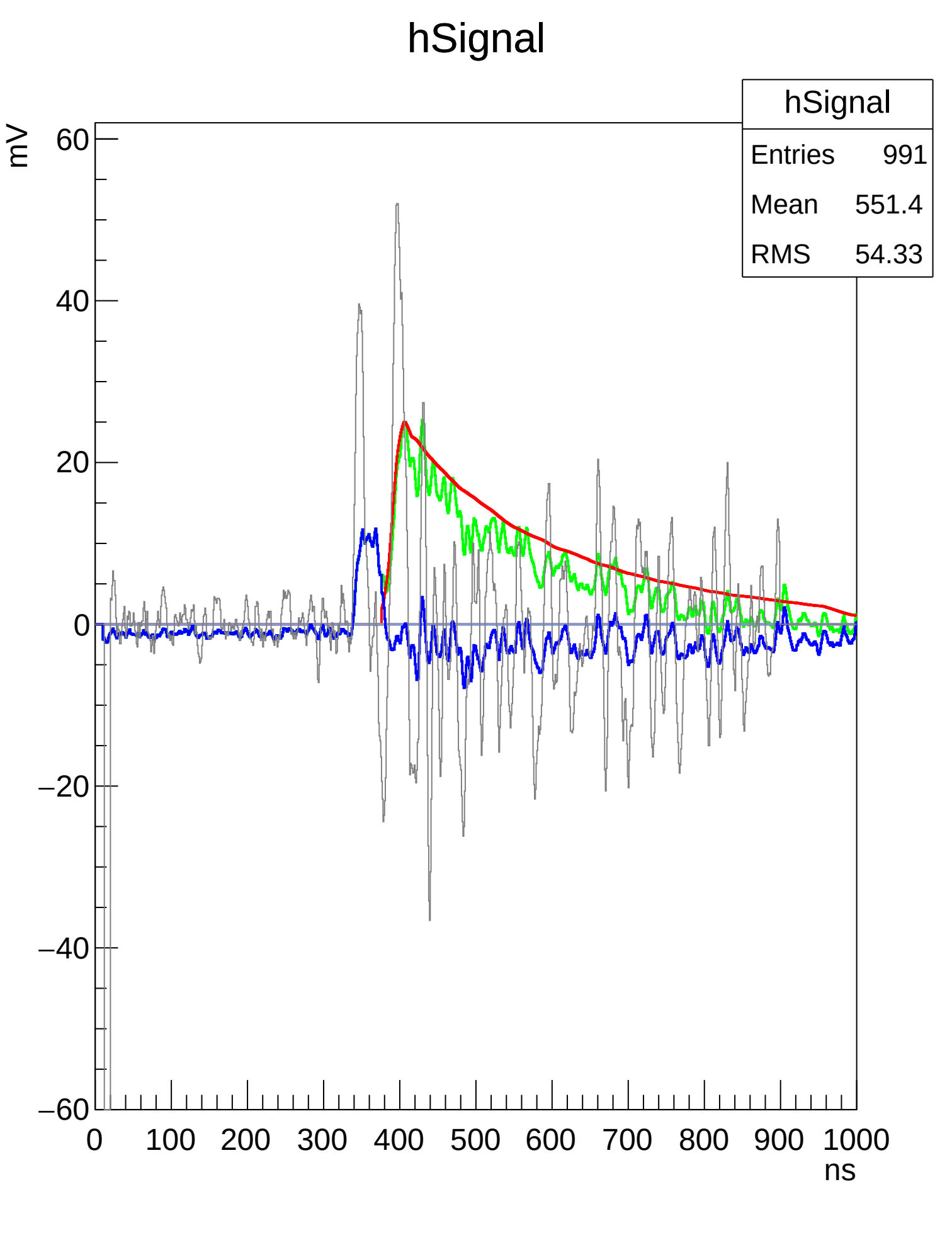
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hSignal
Entries 991
Mean 551.4
RMS 54.33
mV
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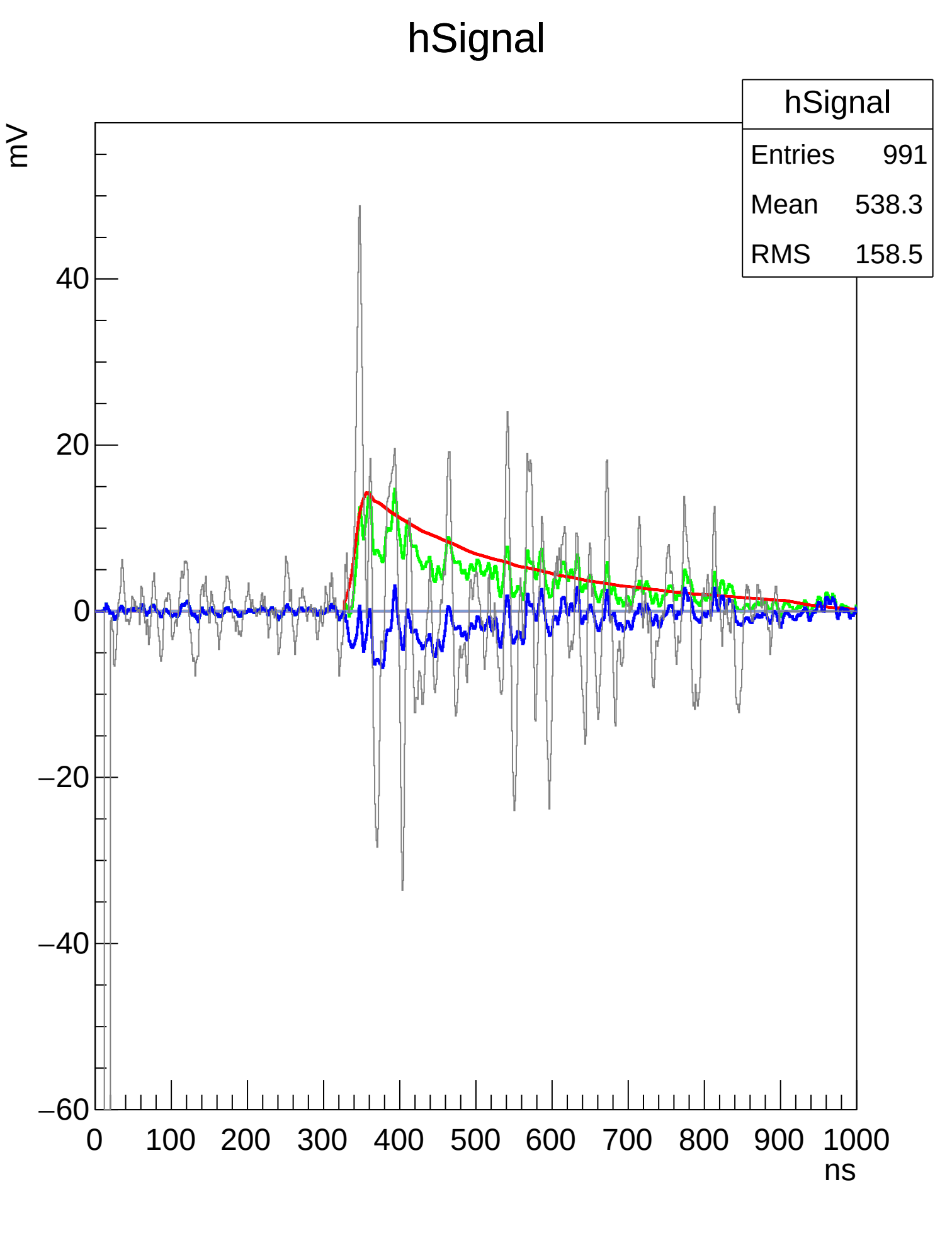
hSignal
hSignal
Entries 991
Mean 538.3
RMS 158.5
mV
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1000
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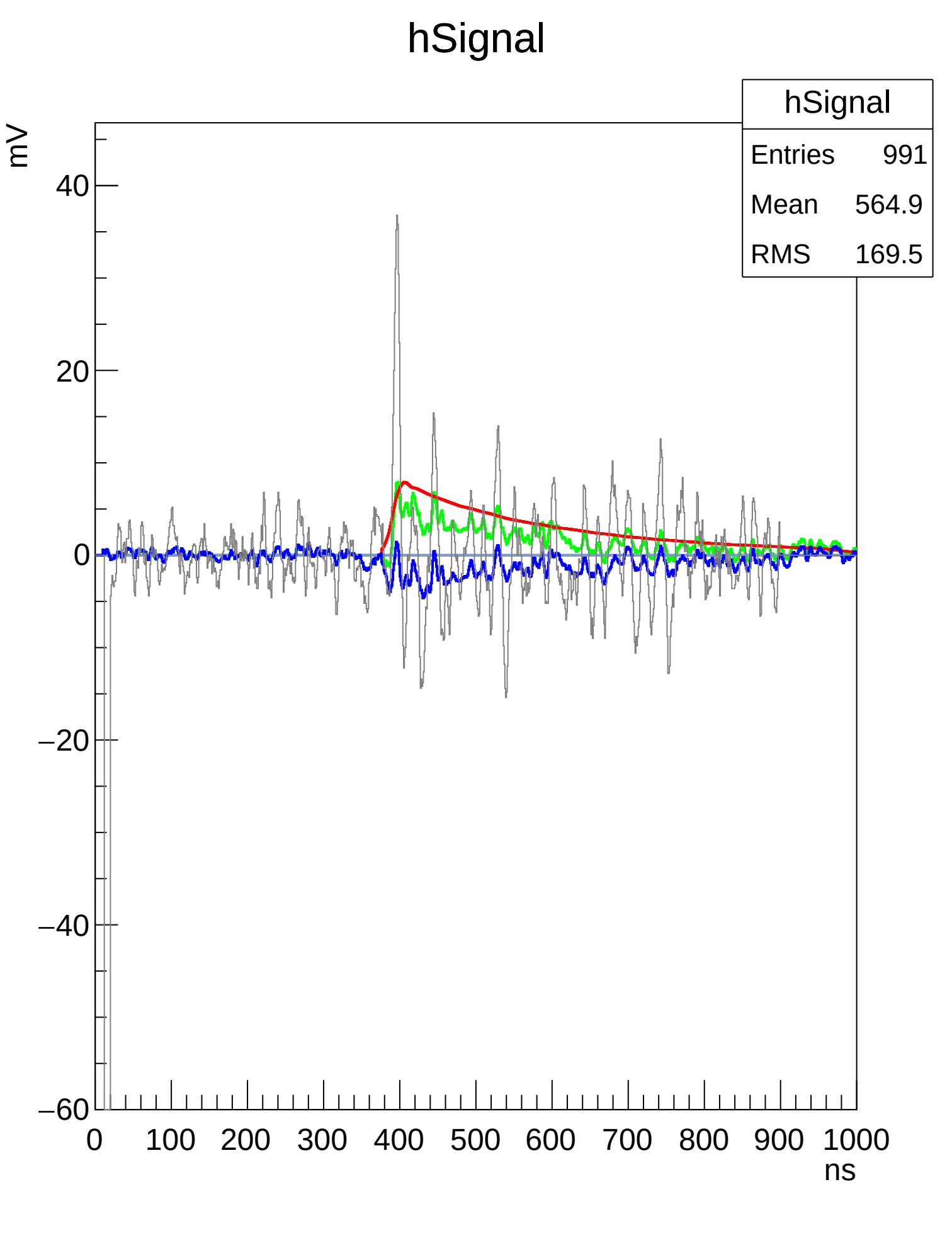
hSignal
hSignal
Entries 991
Mean 564.9
RMS 169.5
mV
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−40
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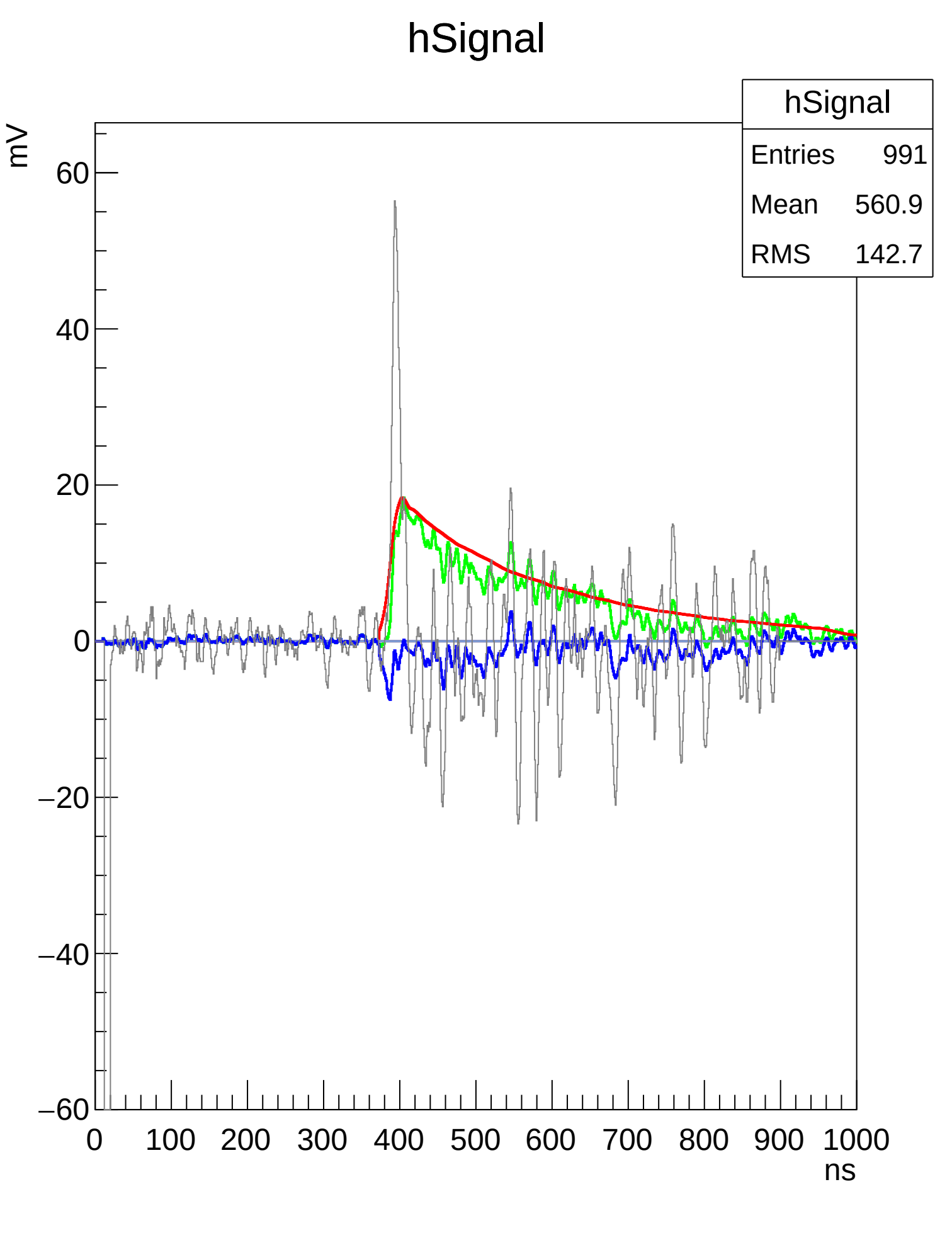
hSignal
hSignal
Entries 991
Mean 560.9
RMS 142.7
mV
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1000
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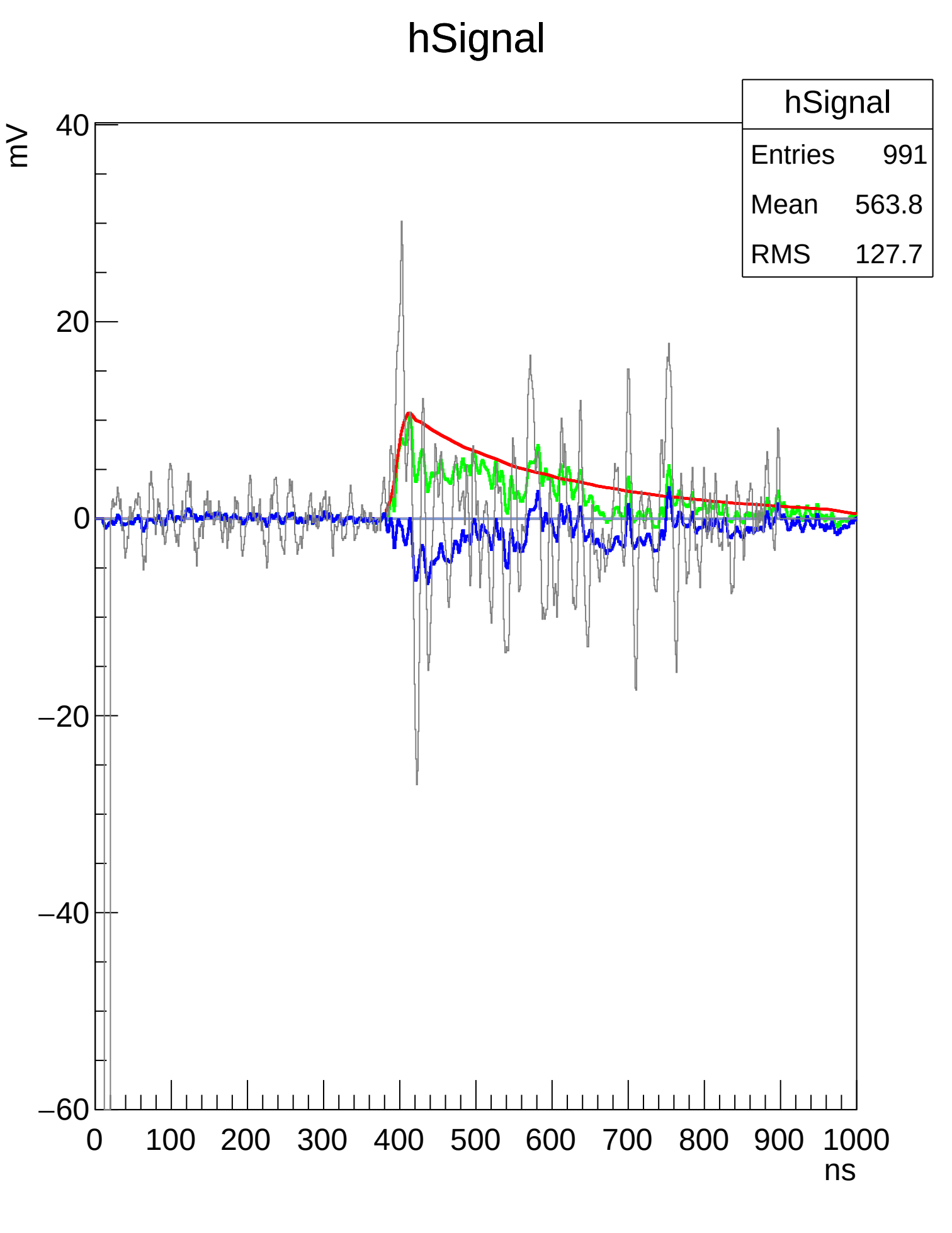
hSignal
hSignal
Entries 991
Mean 563.8
RMS 127.7
mV
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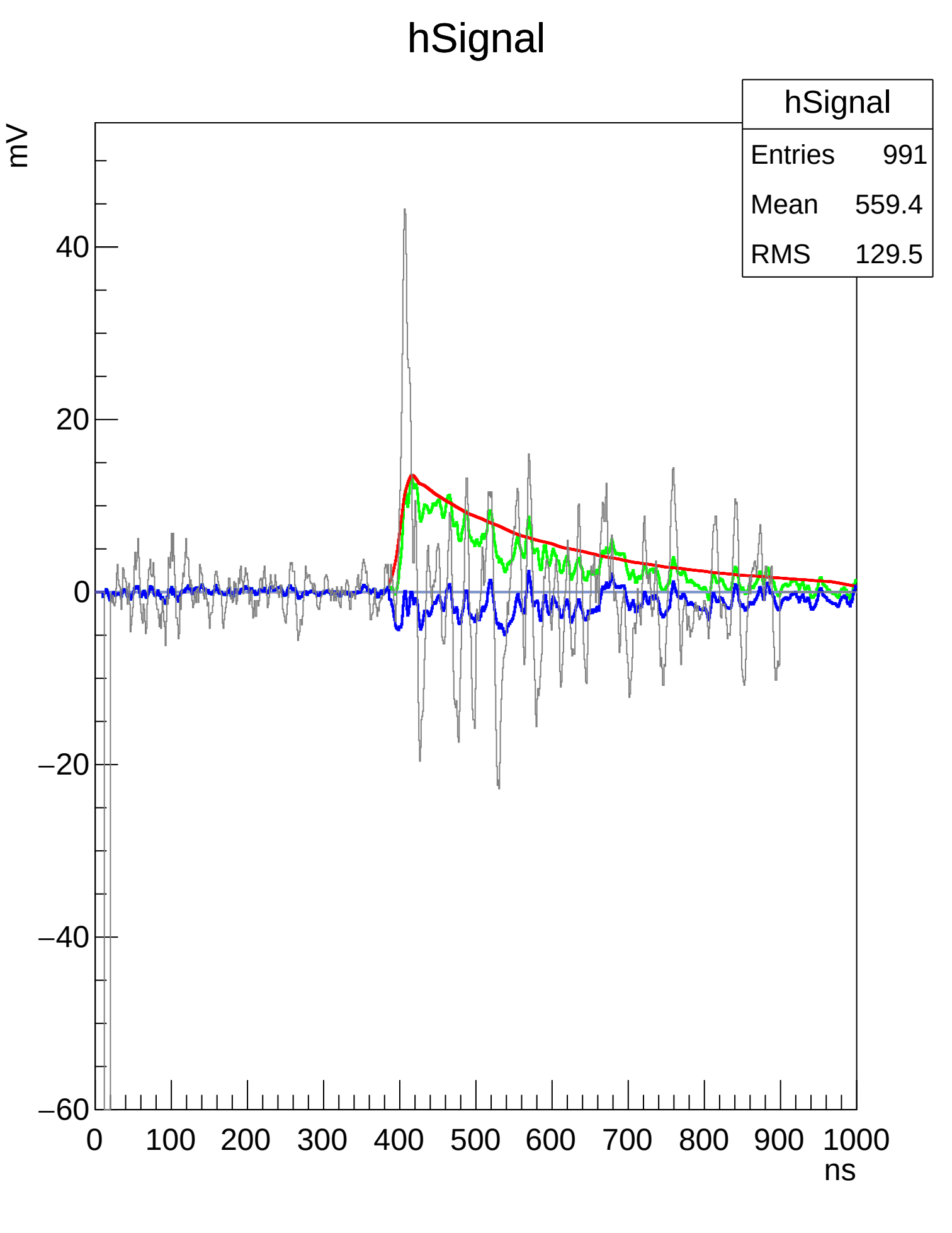
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.4
RMS 129.5
mV
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−20
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800
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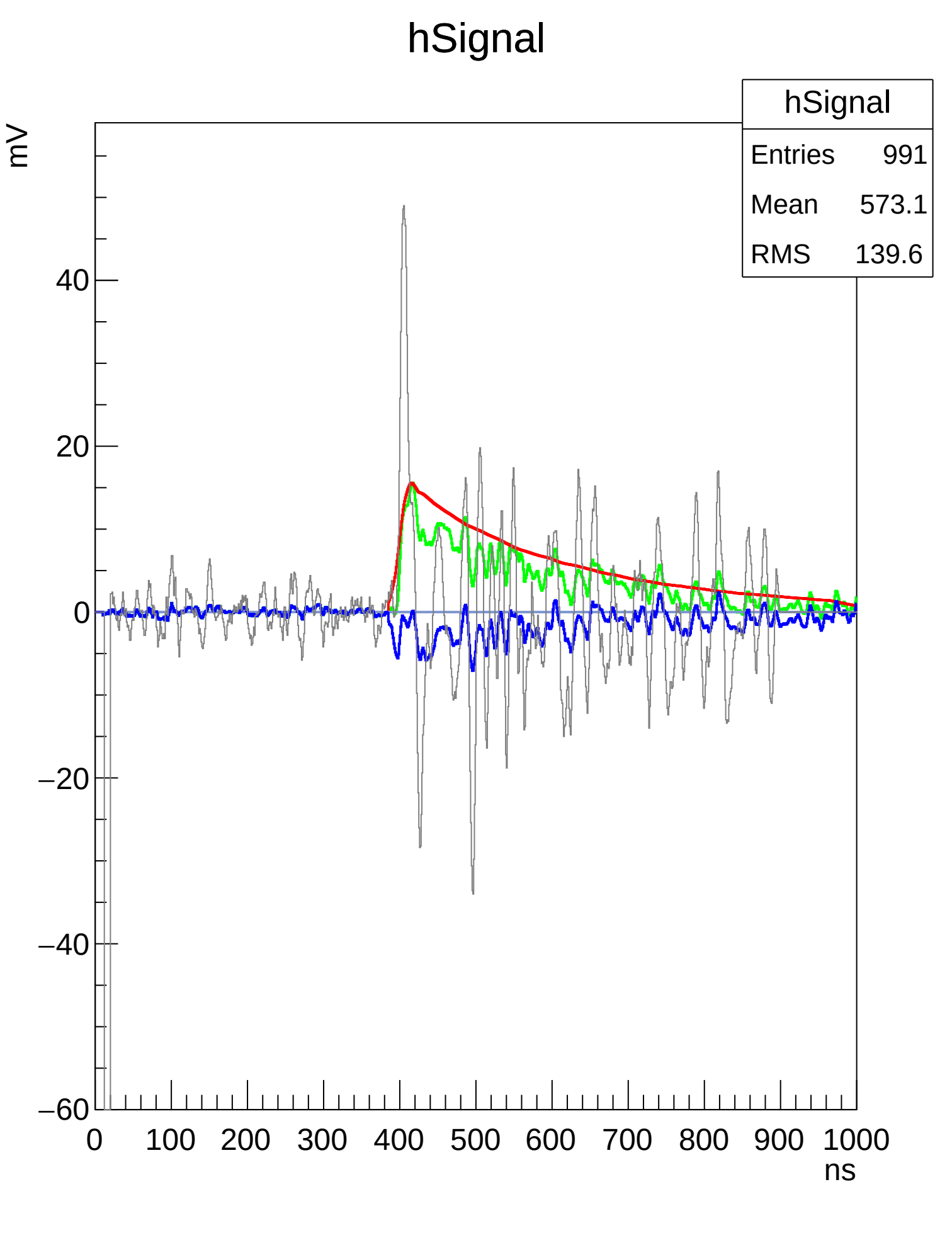
1000
ns


hSignal
hSignal
Entries 991
Mean 573.1
RMS 139.6
mV
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−20
−40
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0
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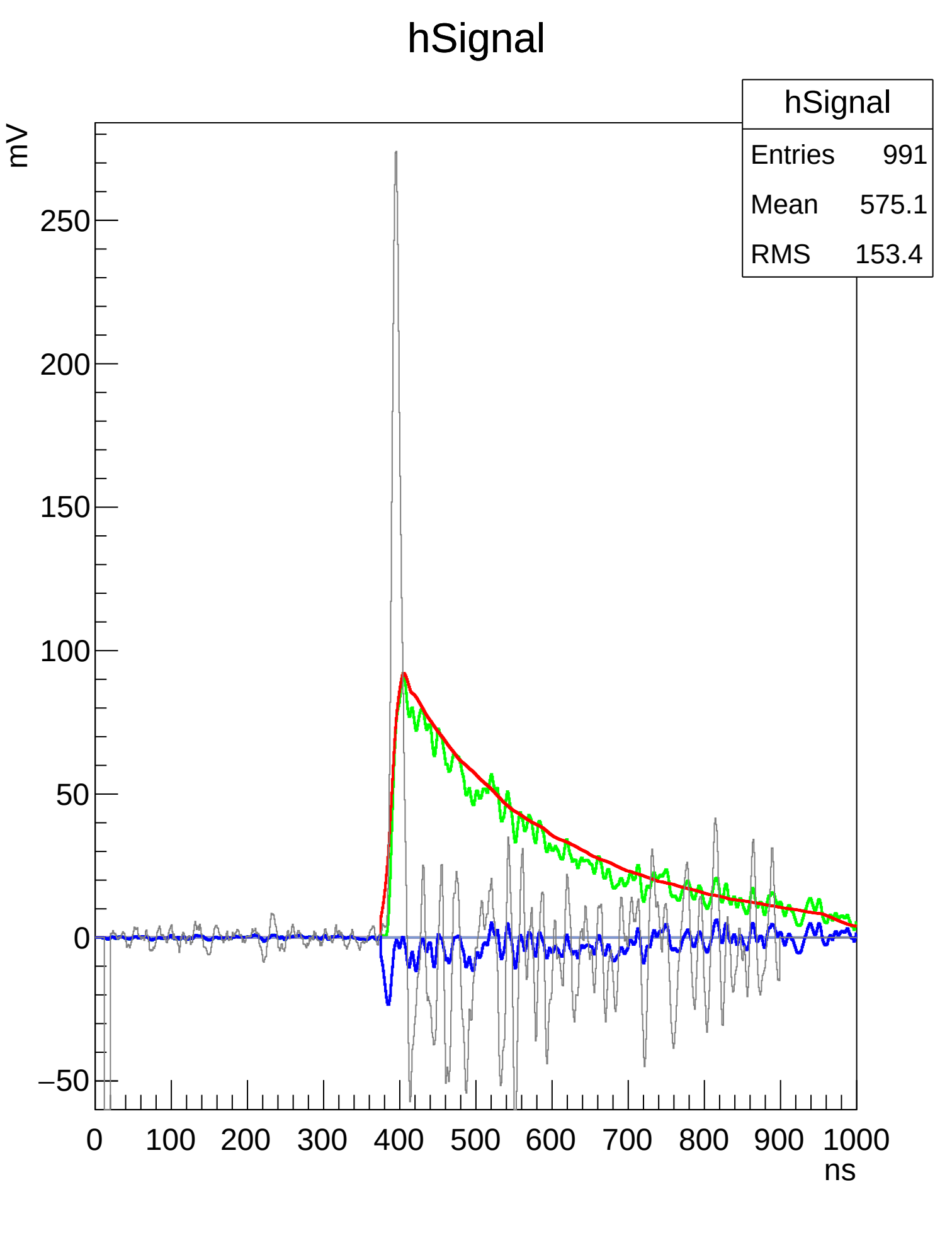
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.1
RMS 153.4
mV
250
200
150
100
50
0
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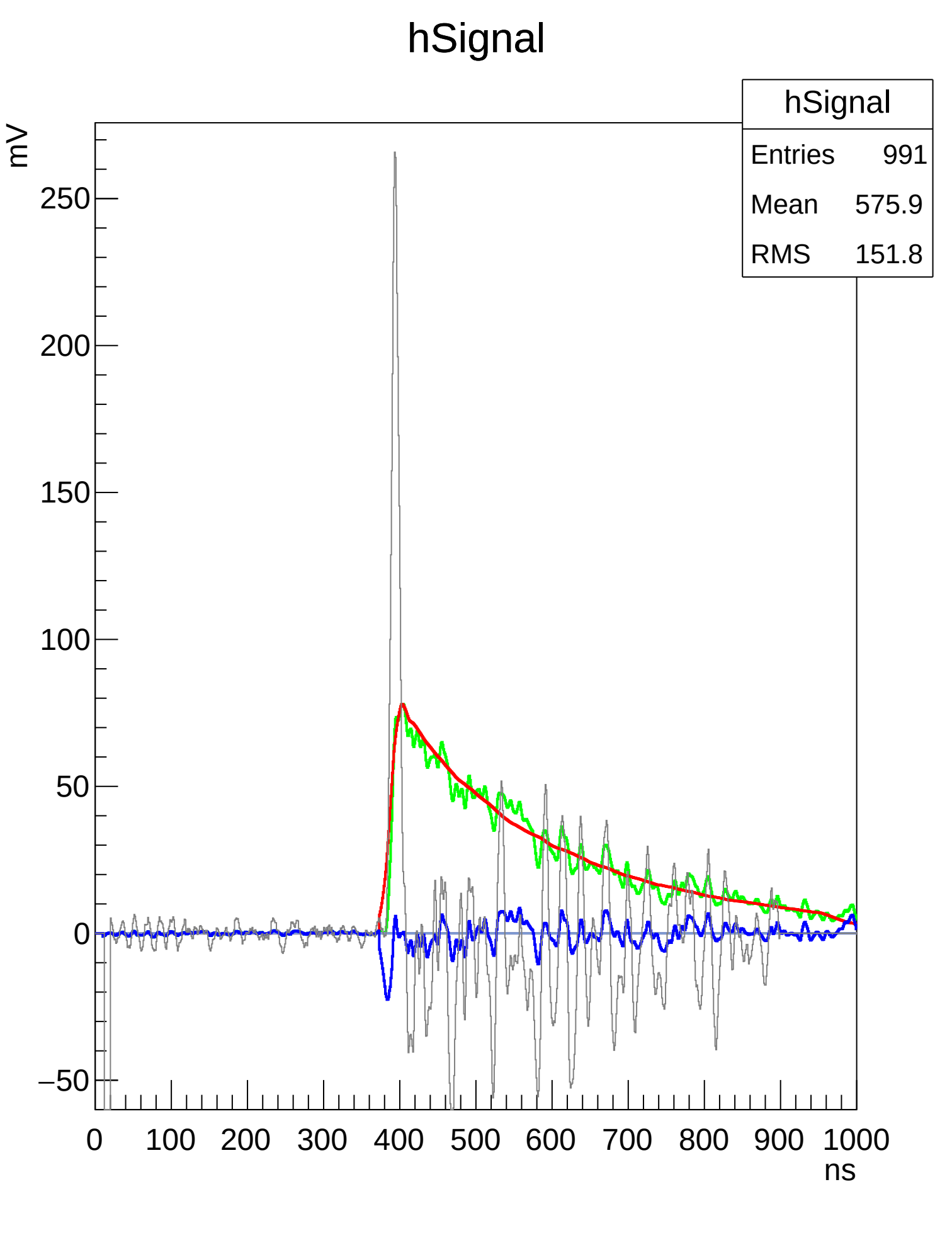
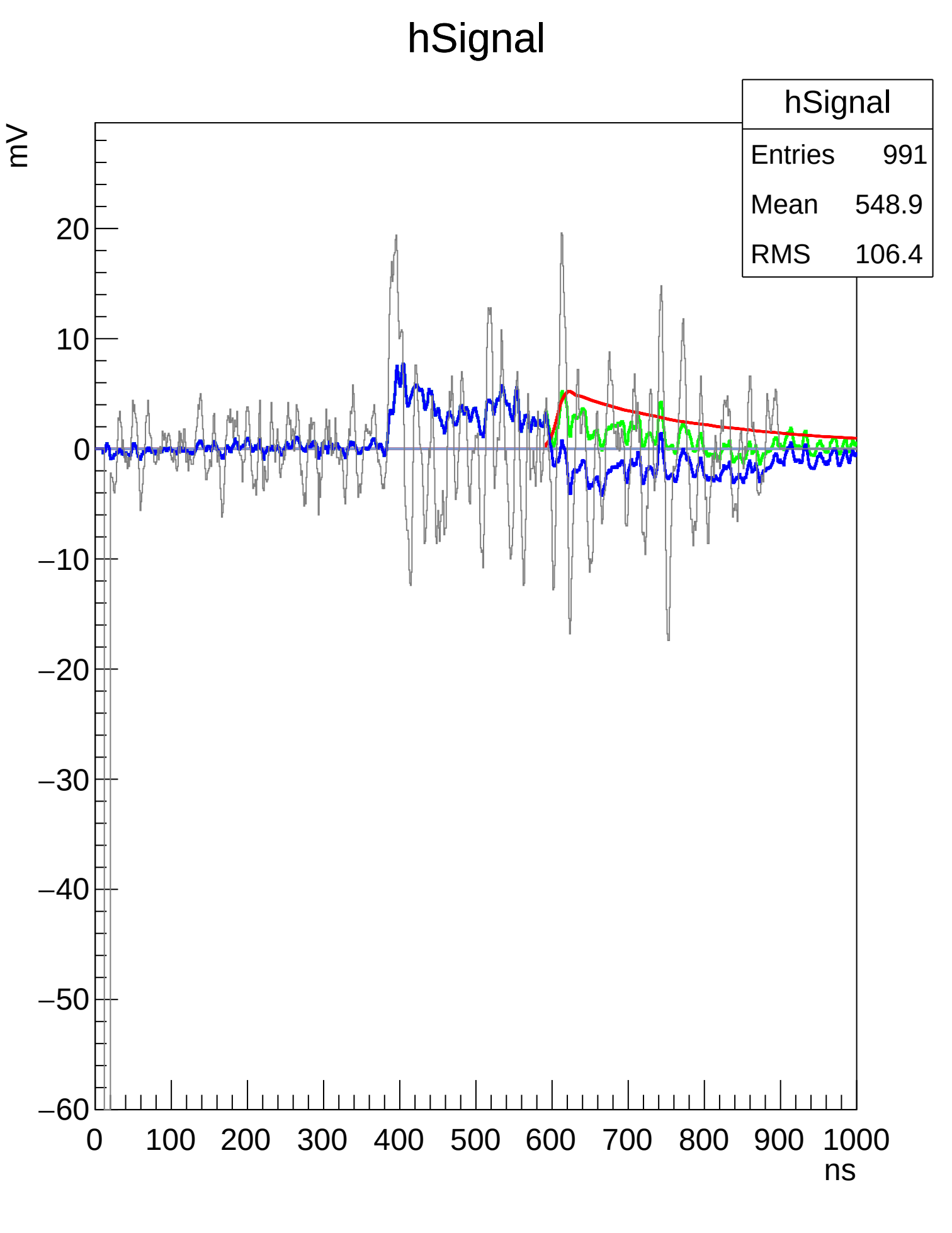
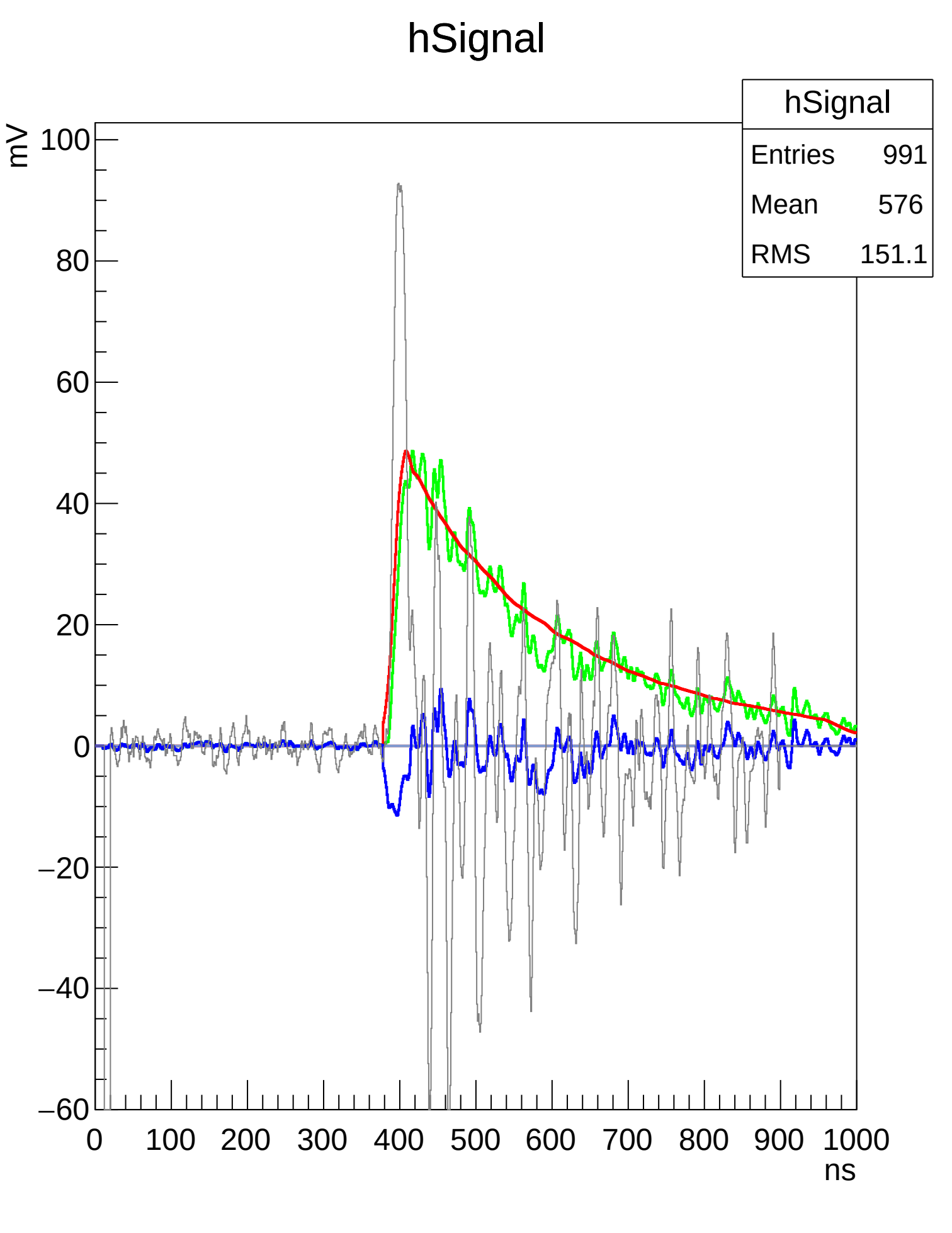
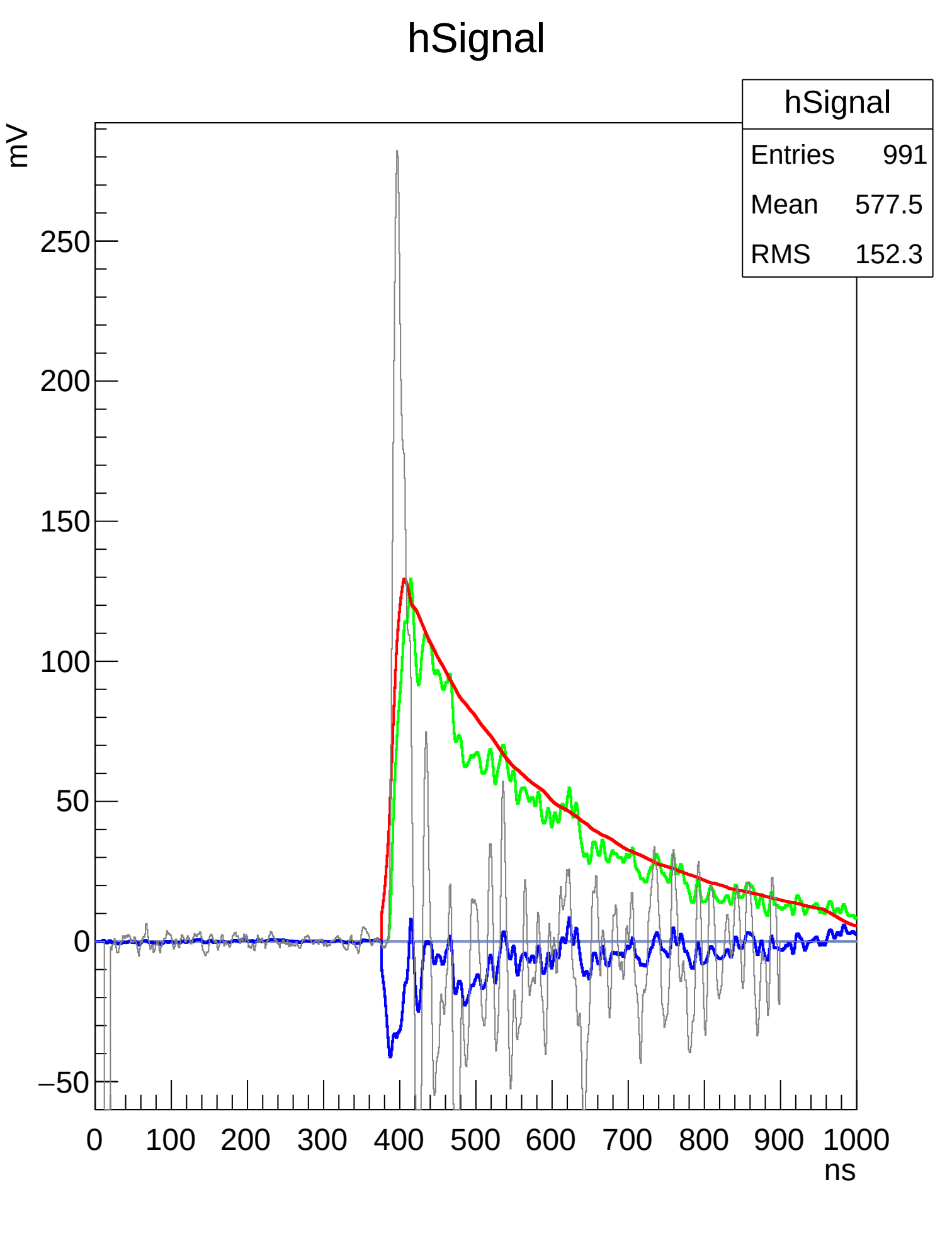
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 151.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.9
RMS 106.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576
RMS 151.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.5
RMS 152.3
mV
250
200
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100
50
0
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0
100
200
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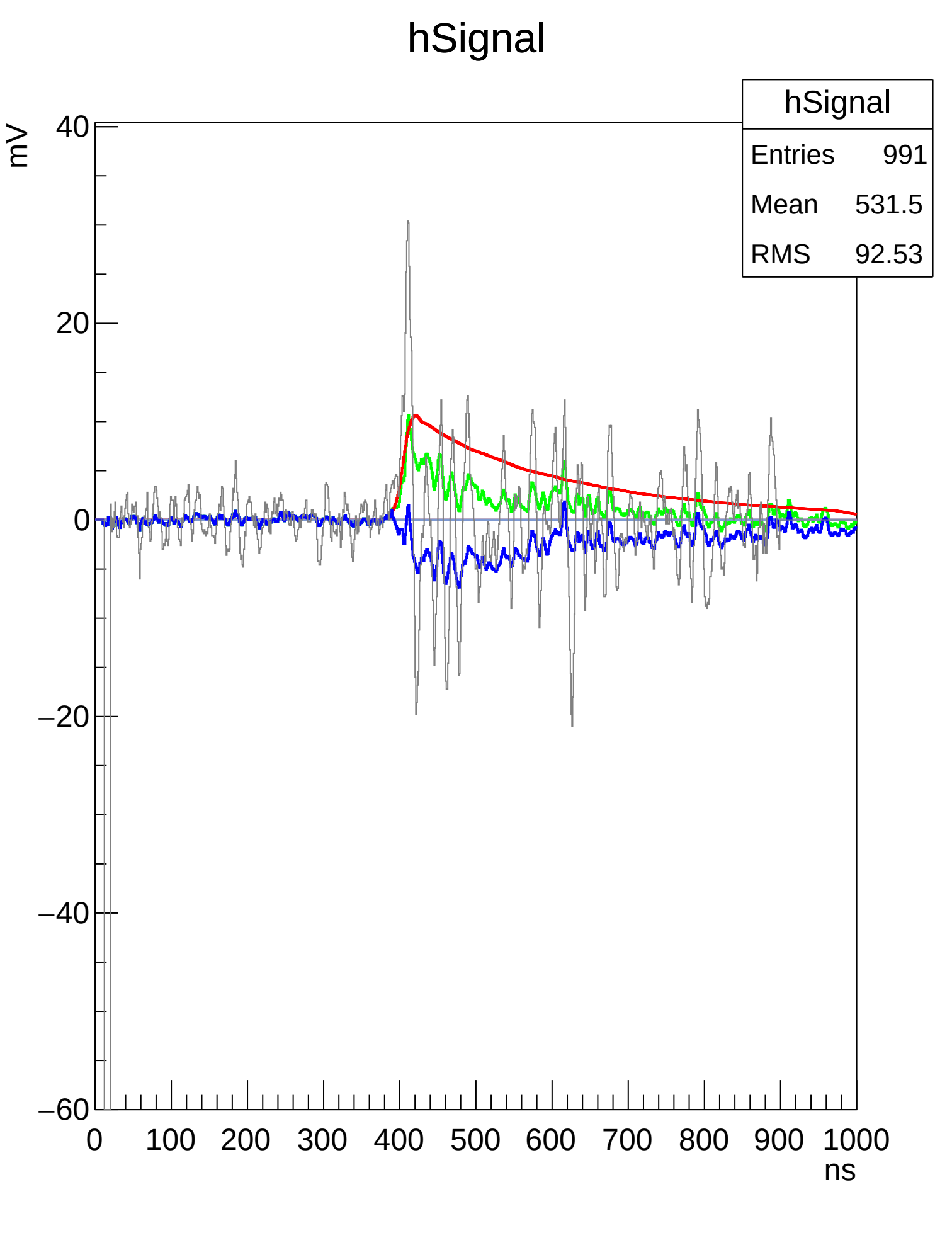
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.5
RMS 92.53
mV
40
20
0
−20
−40
−60
0
100
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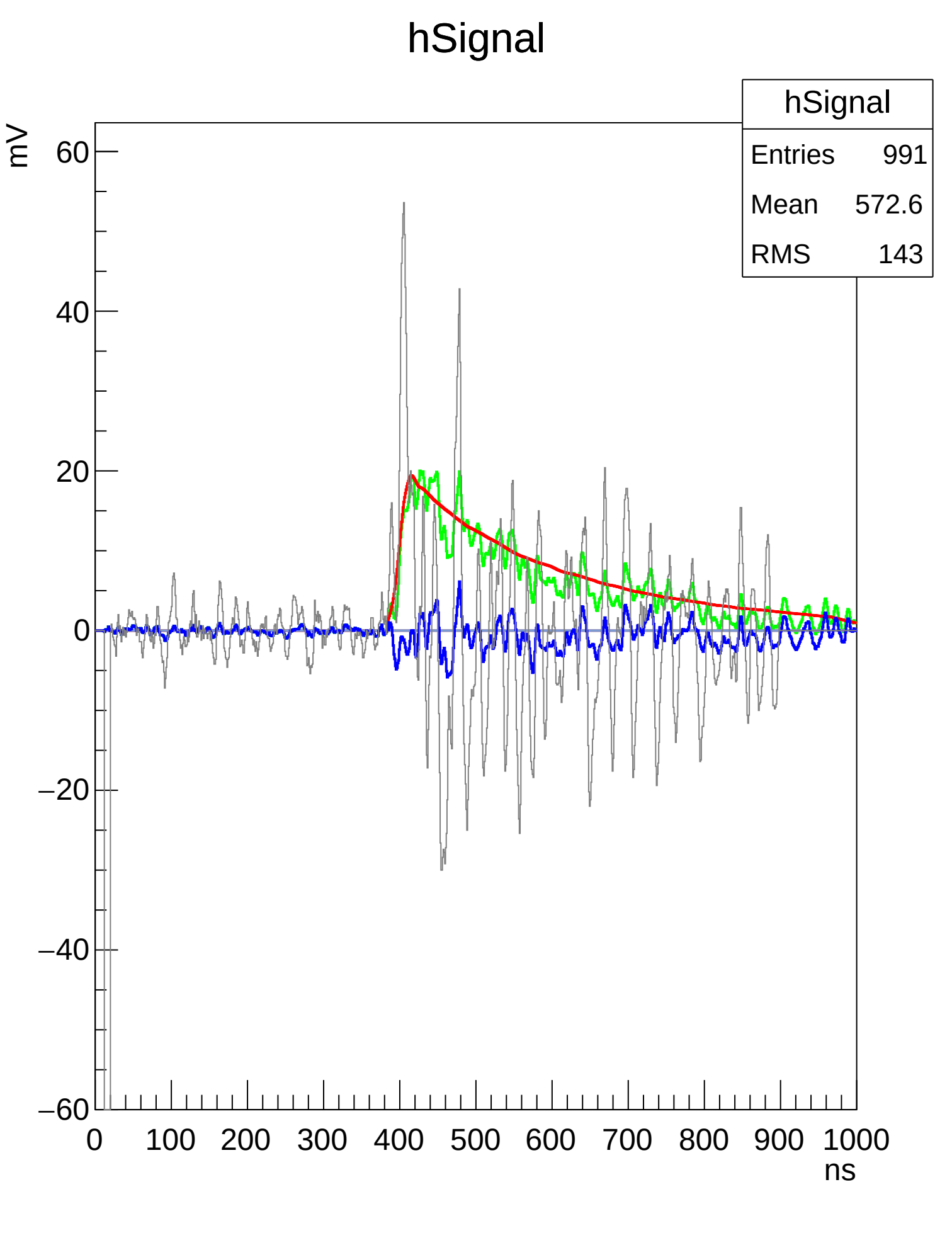
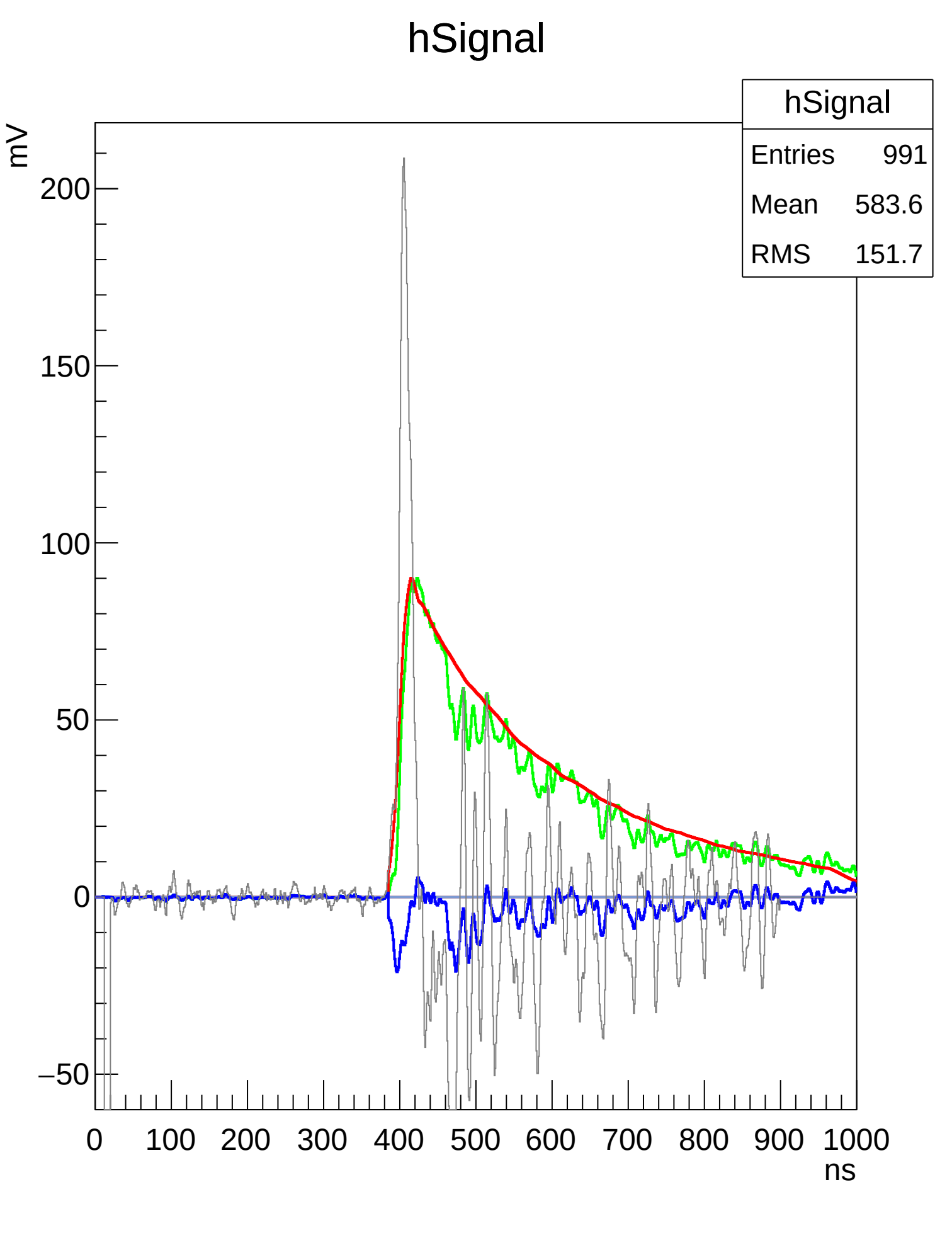
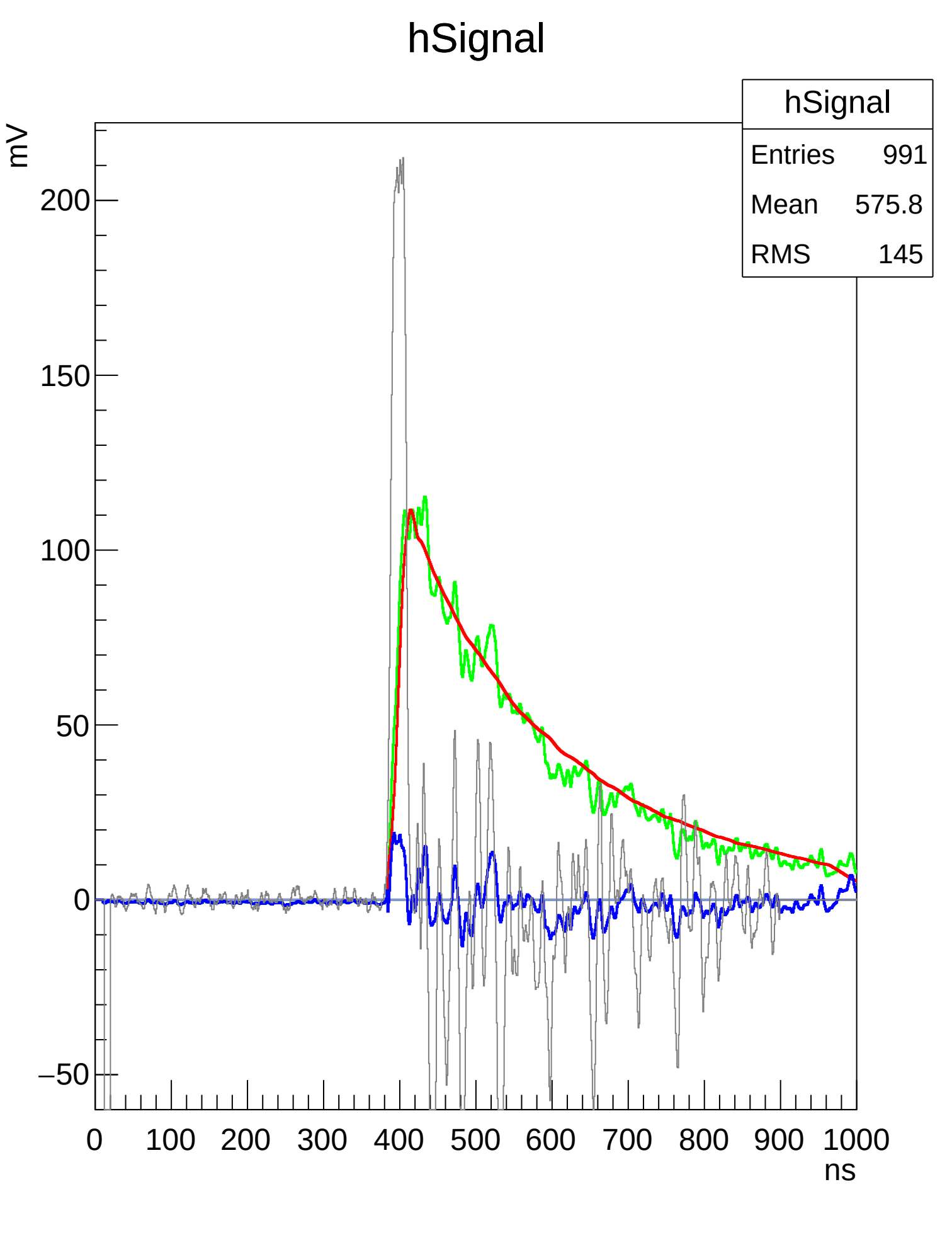
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.6
RMS 143
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 151.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.8
RMS 145
mV
200
150
100
50
0
−50
0
100
200
300
400
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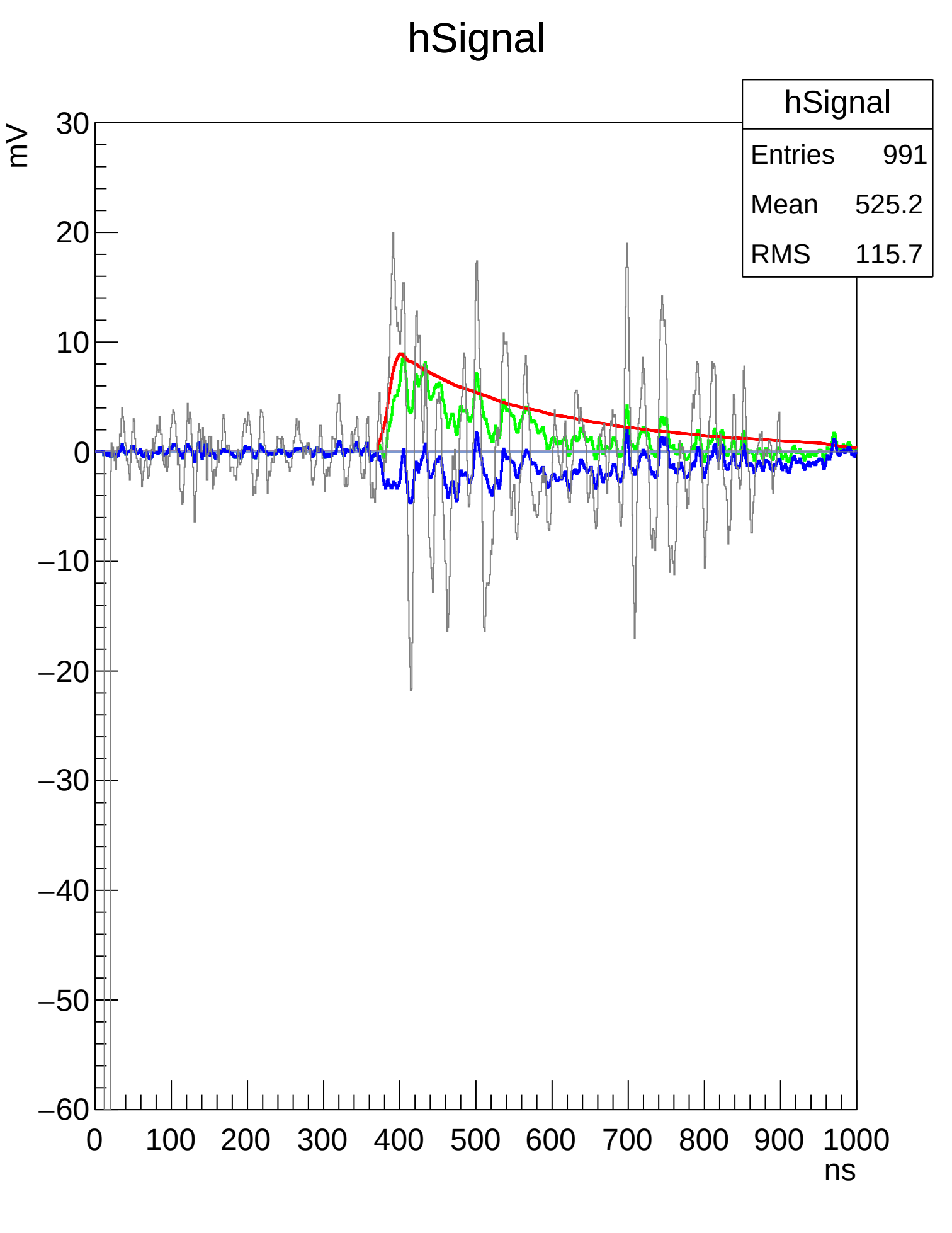
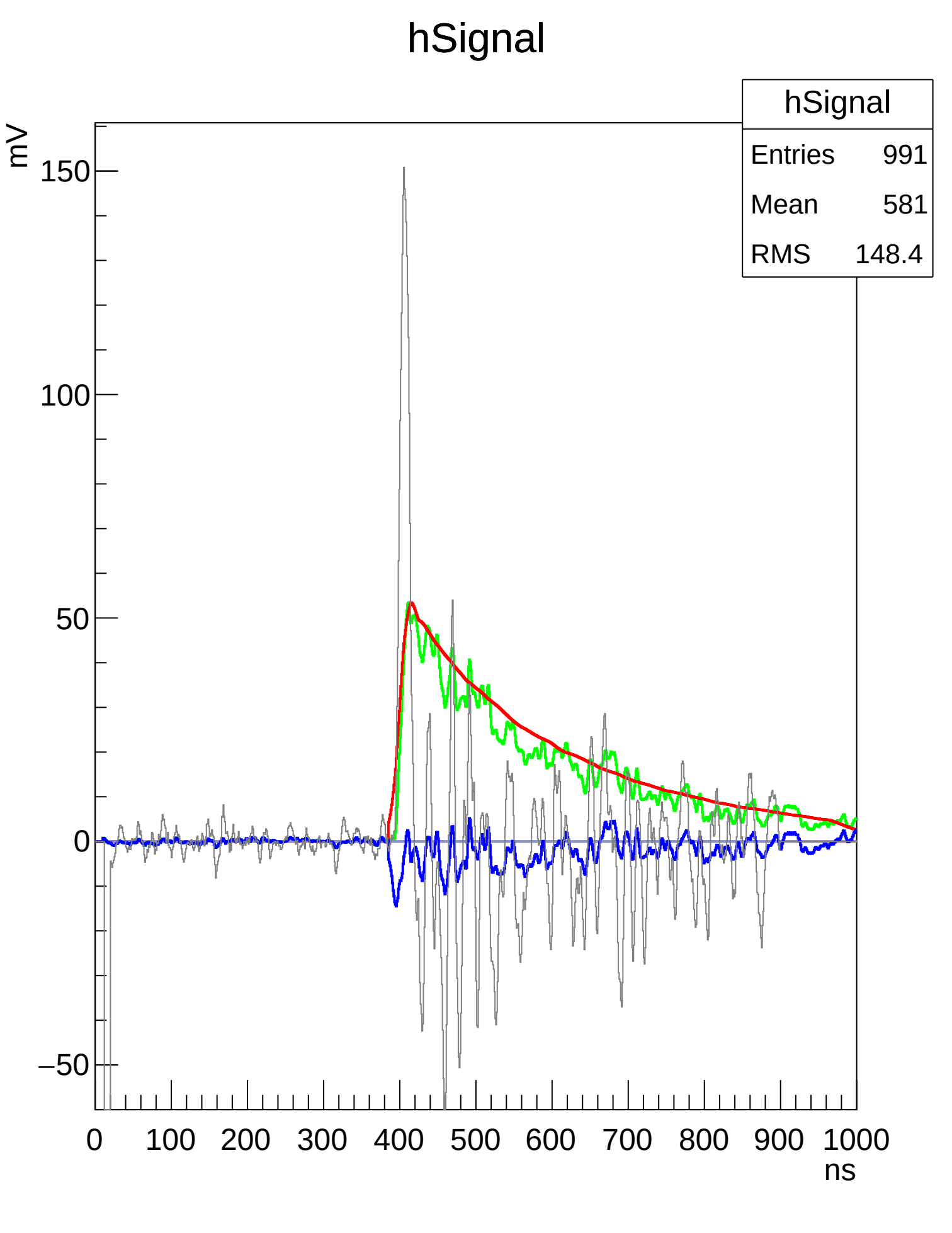
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.2
RMS 115.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 148.4
mV
150
100
50
0
−50
0
100
200
300
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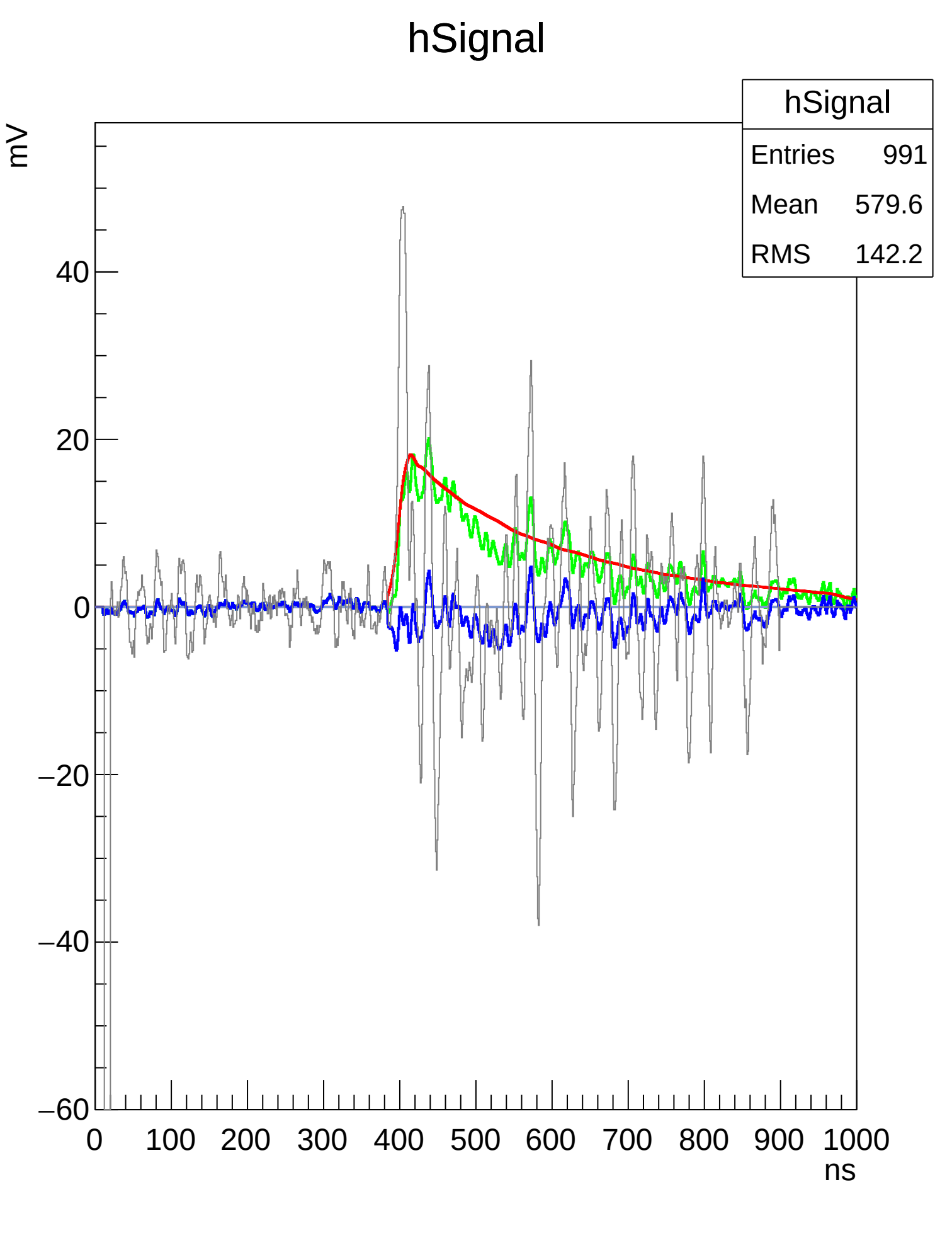
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 142.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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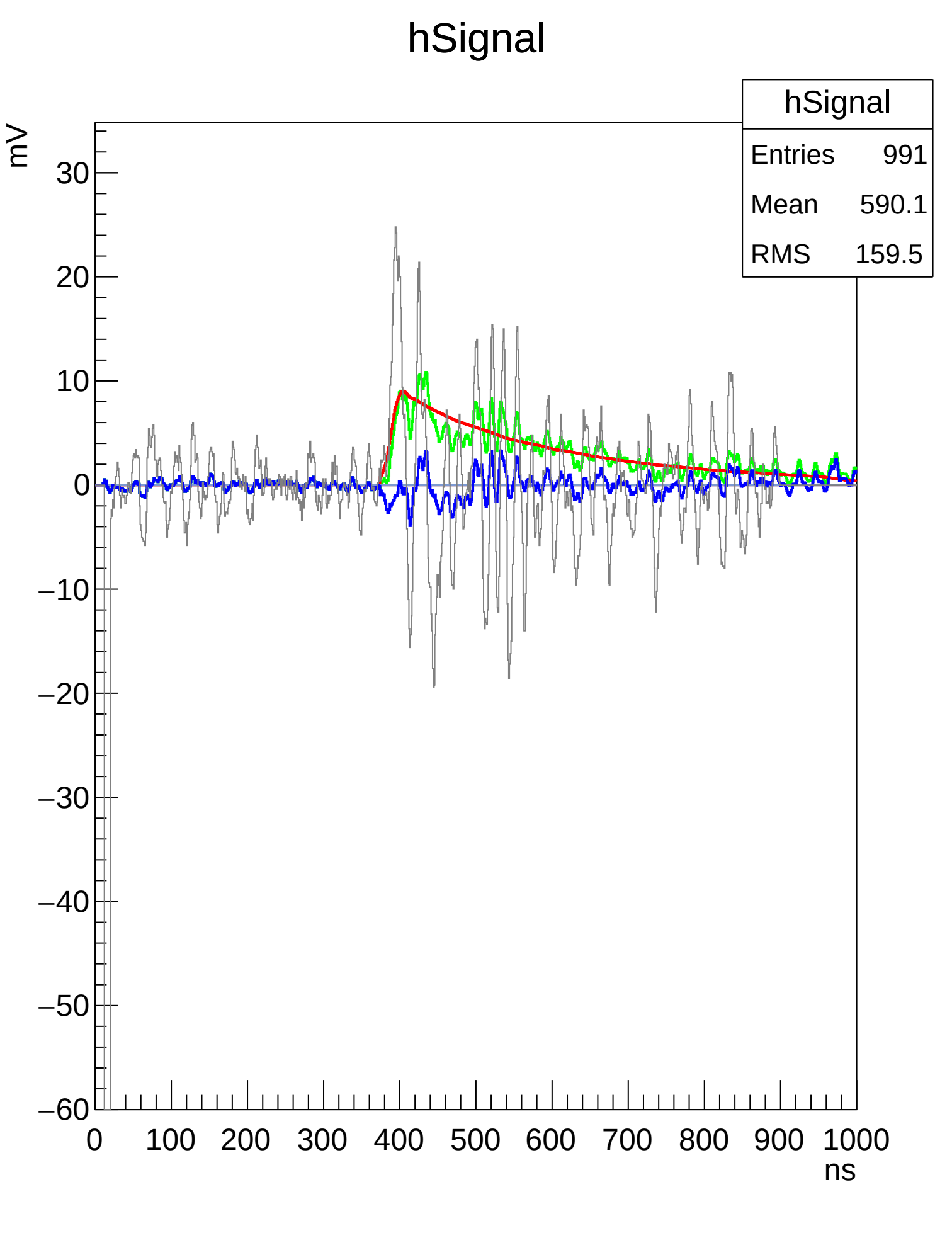
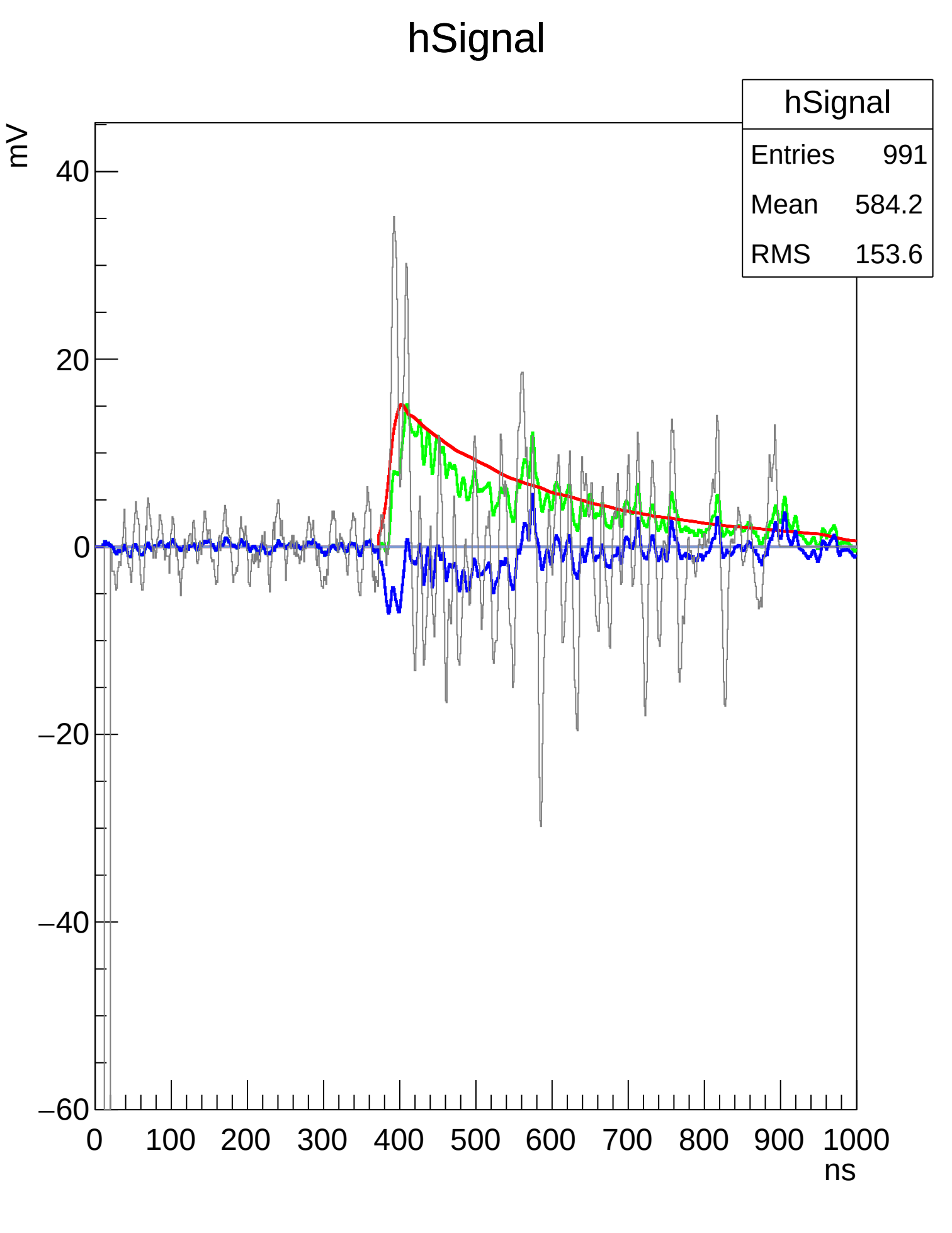
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.1
RMS 159.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.2
RMS 153.6
mV
40
20
0
−20
−40
−60
0
100
200
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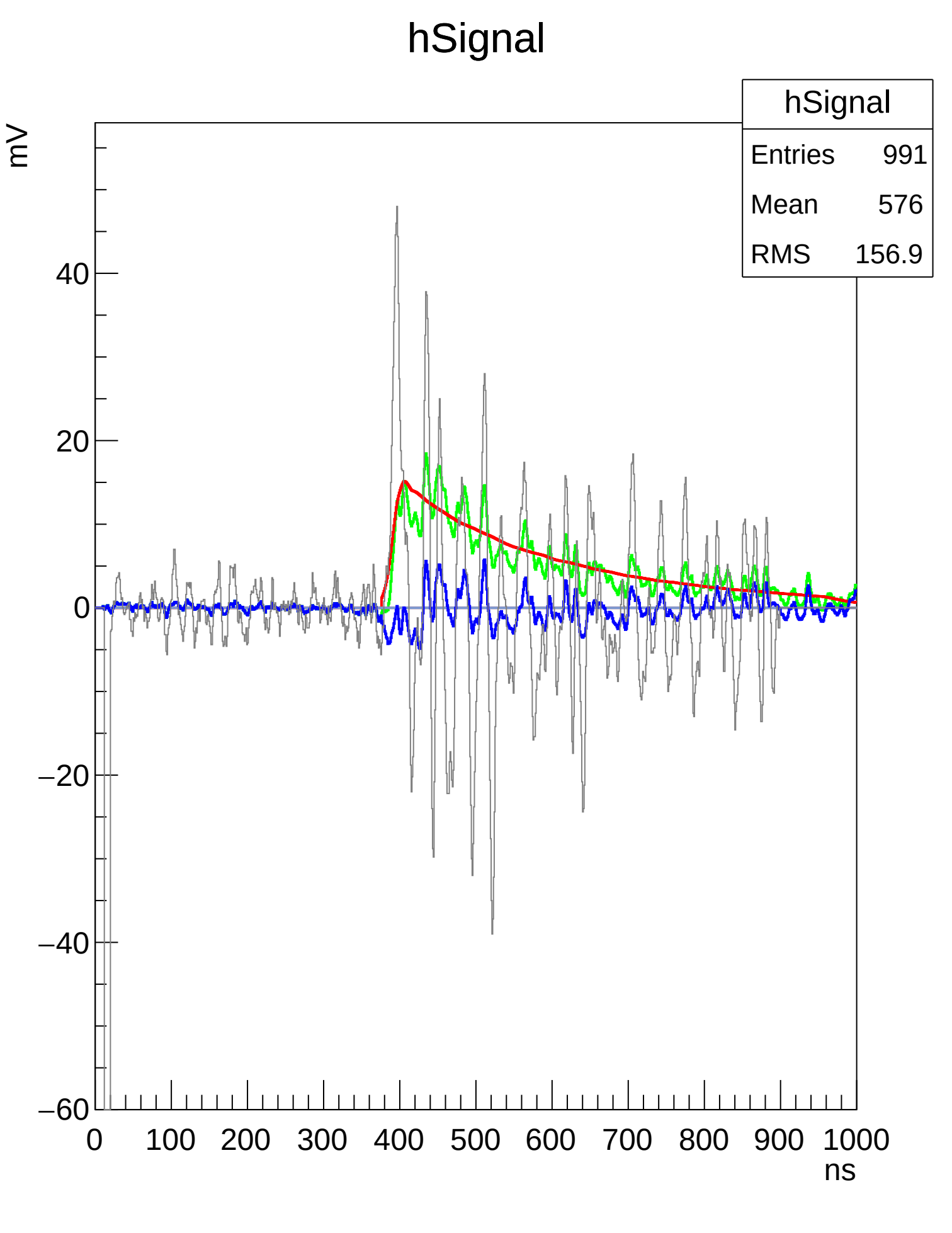
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576
RMS 156.9
mV
40
20
0
−20
−40
−60
0
100
200
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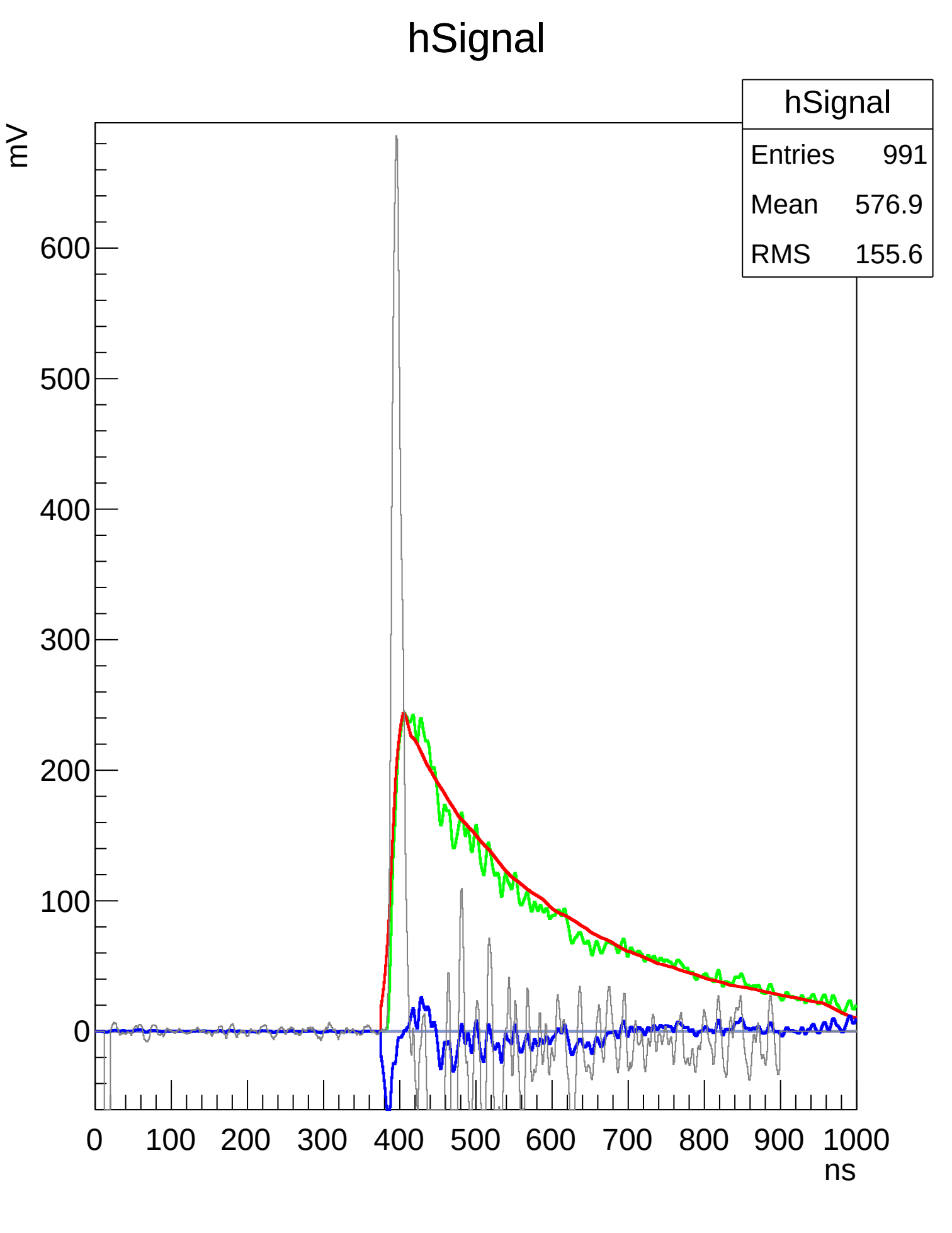
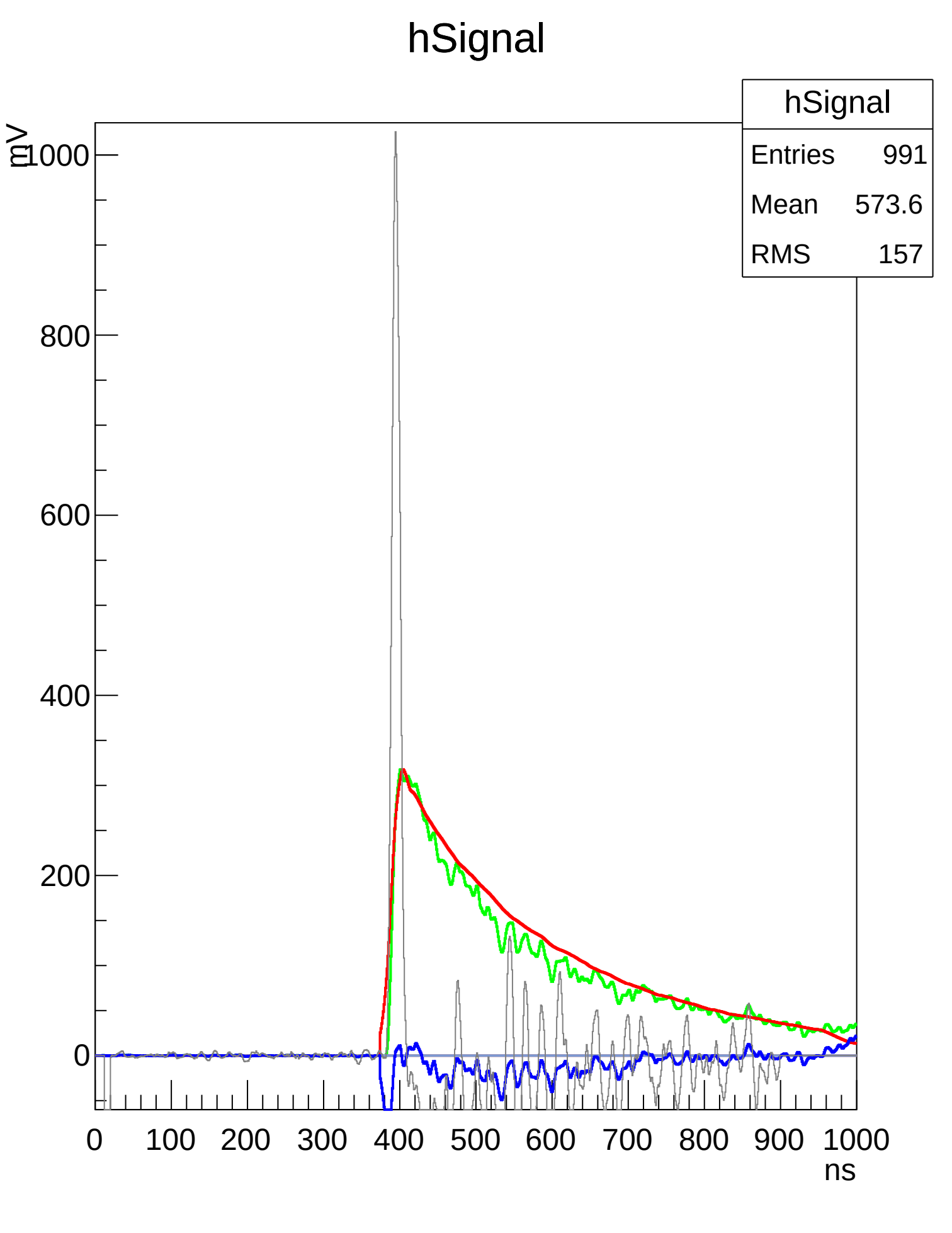
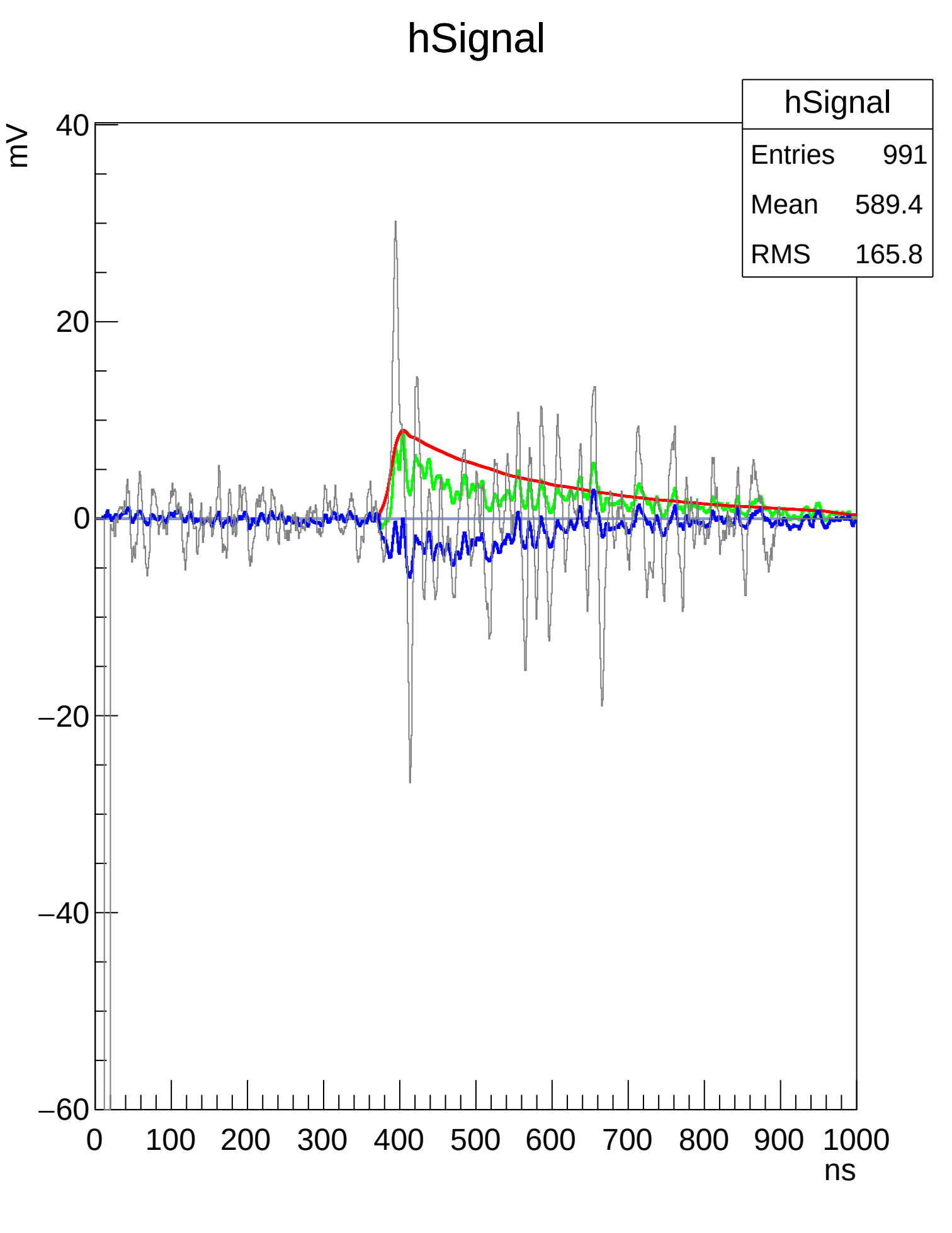
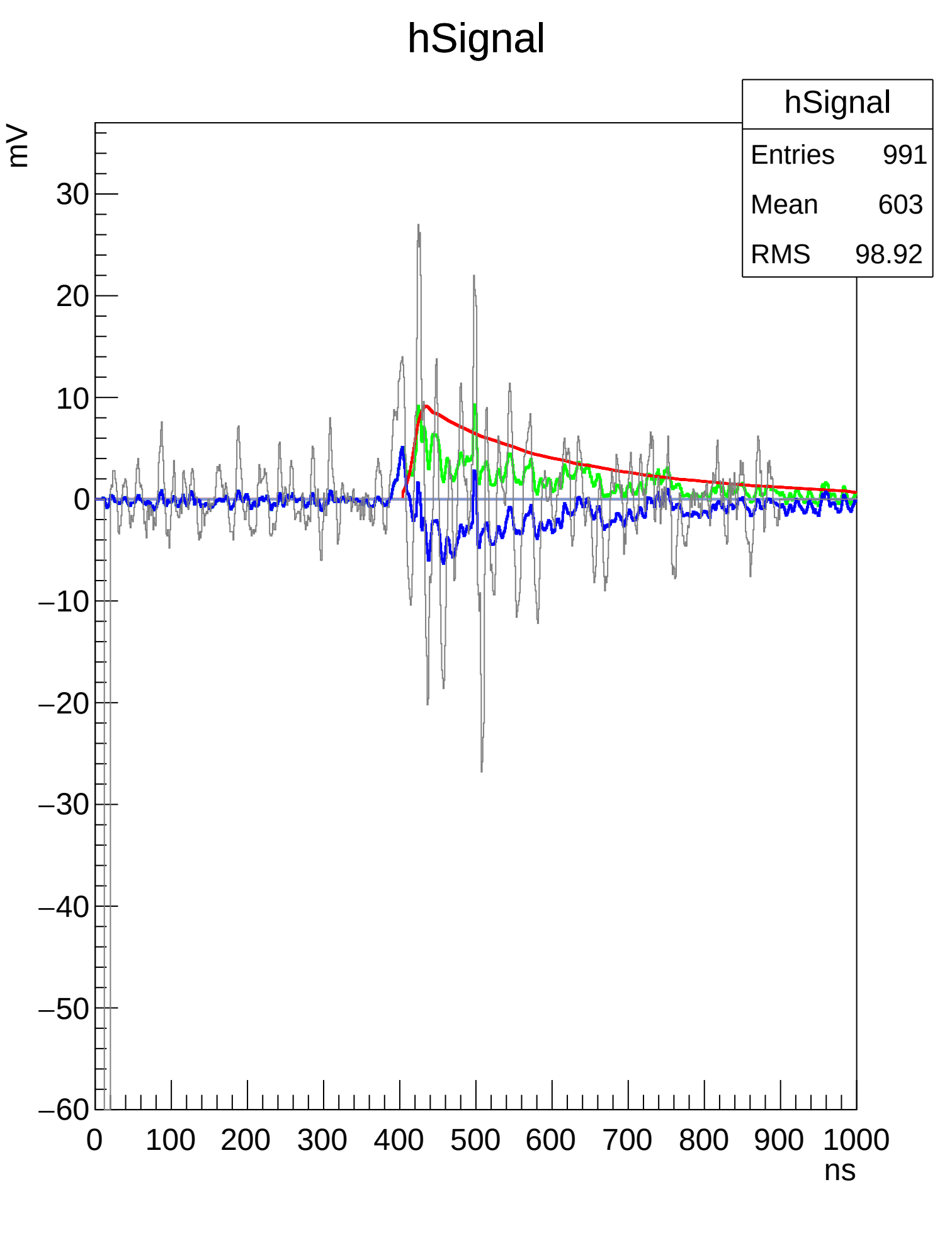
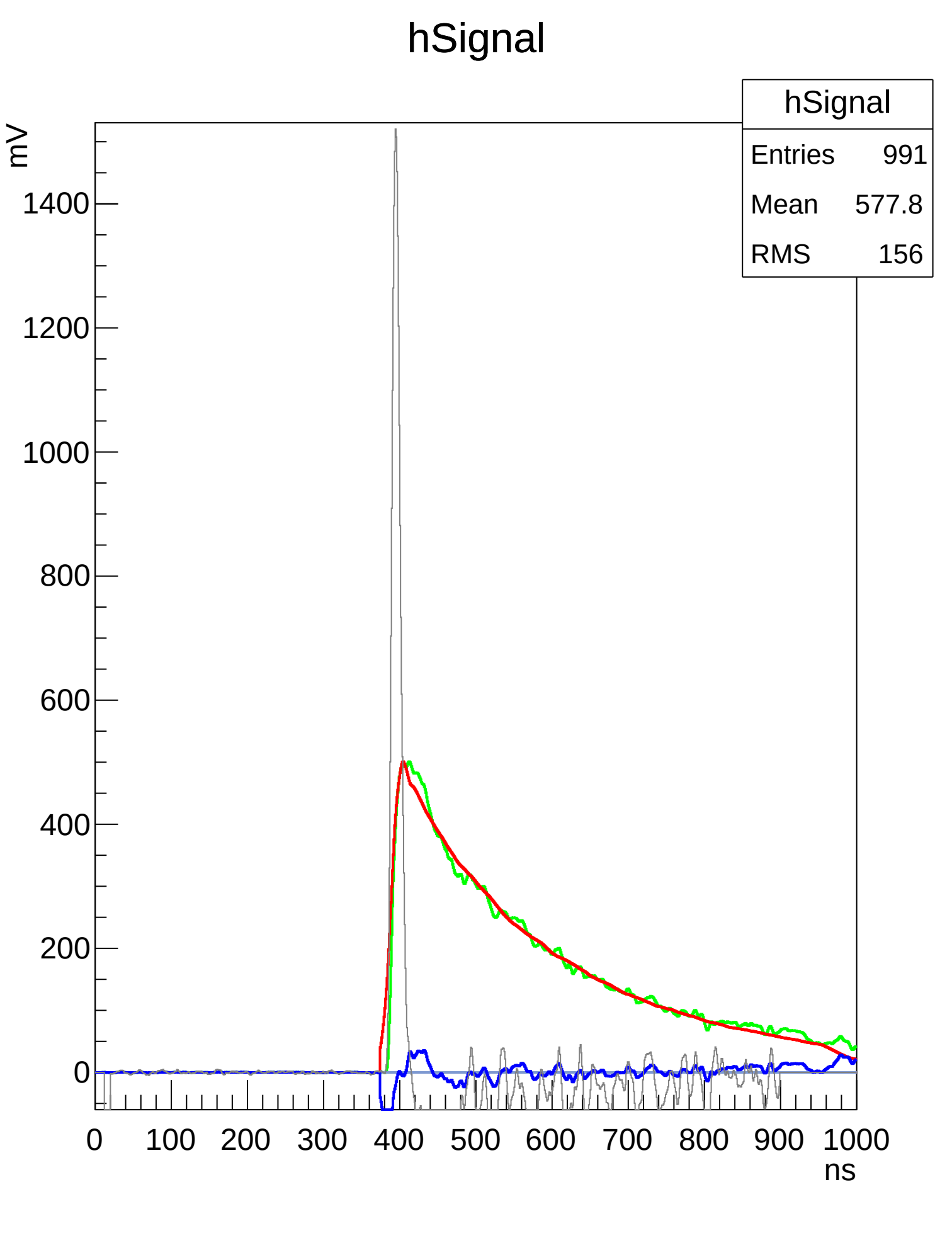
400
500
600
700
800
900
1000
ns

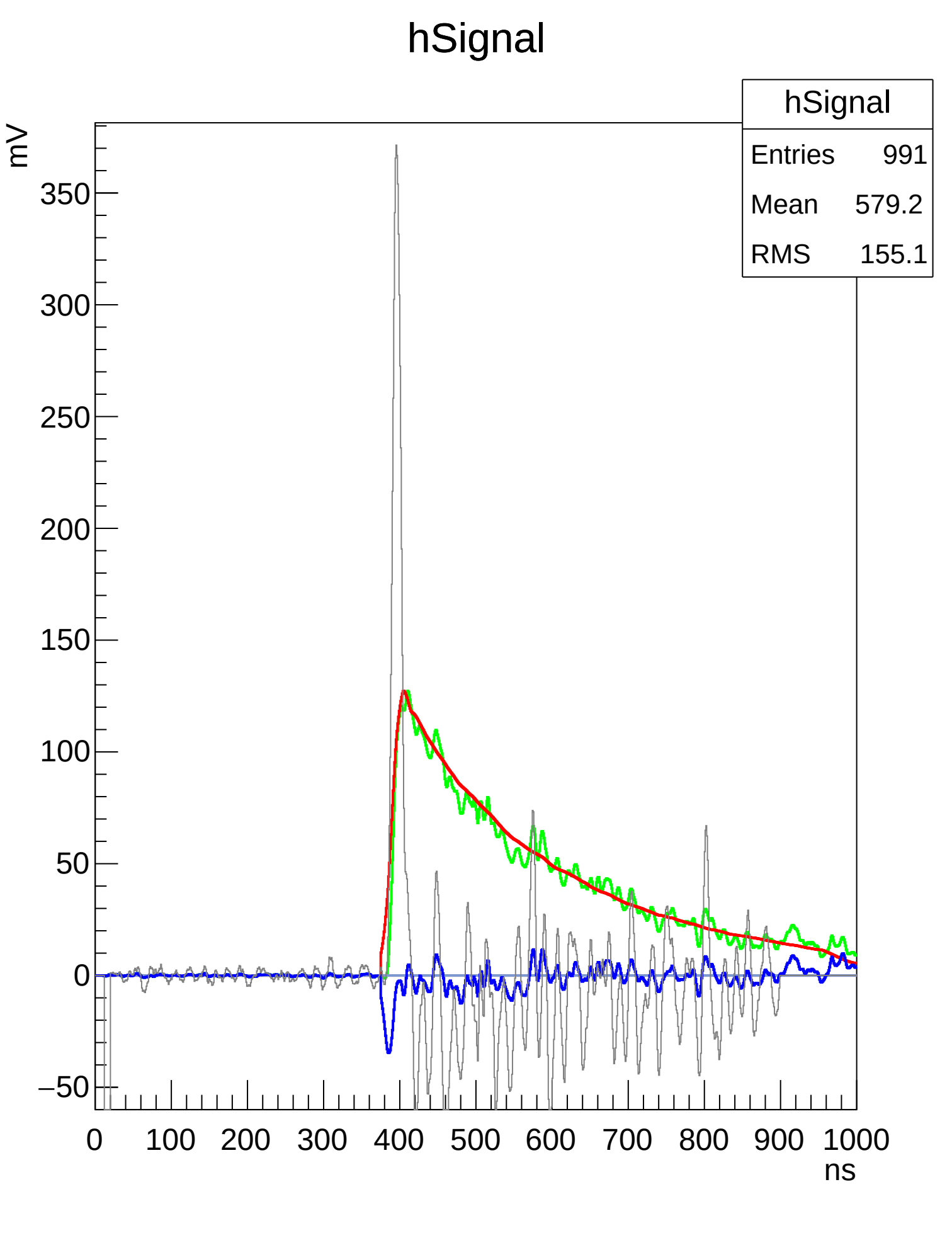

hSignal
hSignal
Entries 991
Mean 576.9
RMS 155.6
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

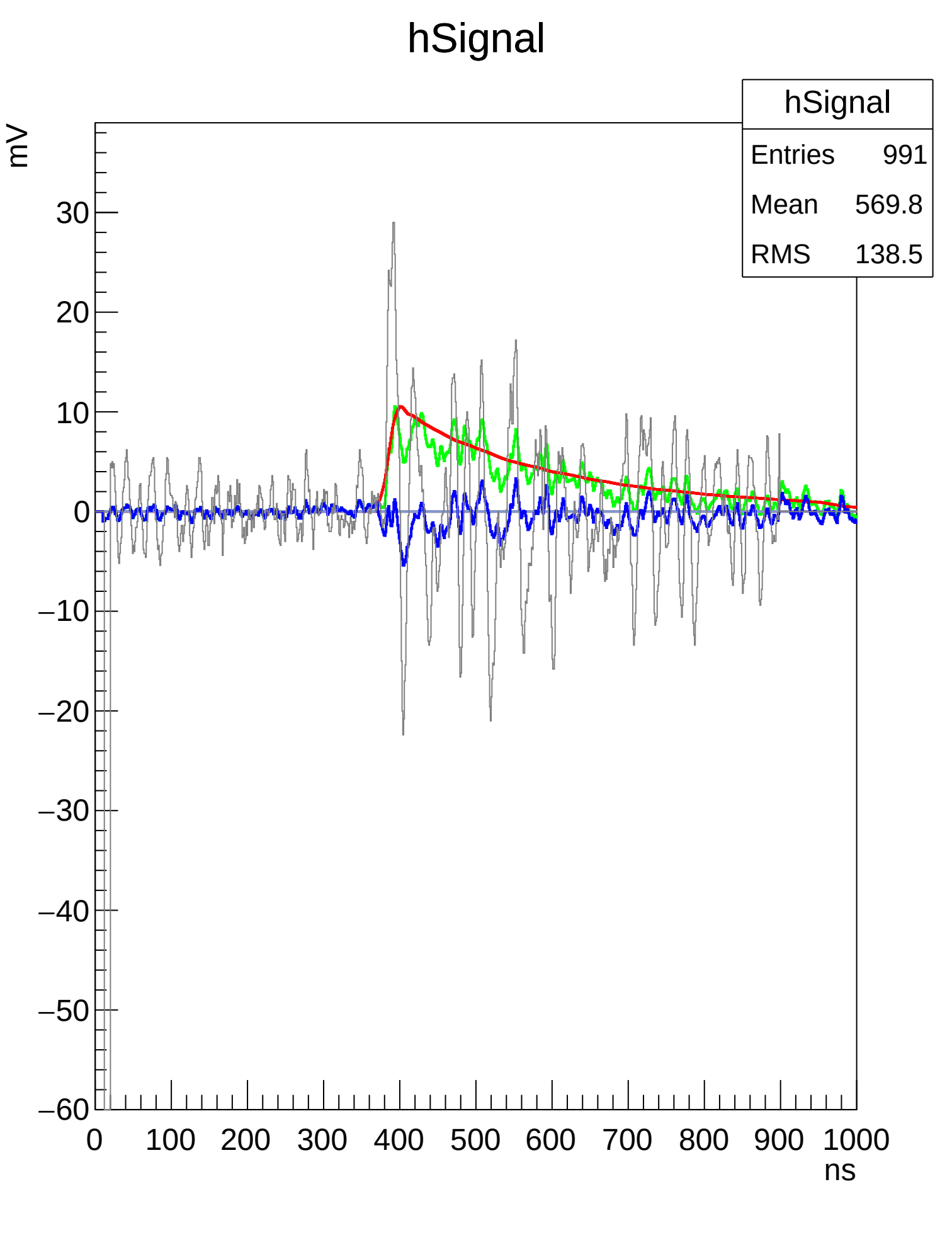

hSignal
hSignal
Entries 991
Mean 573.6
RMS 157
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

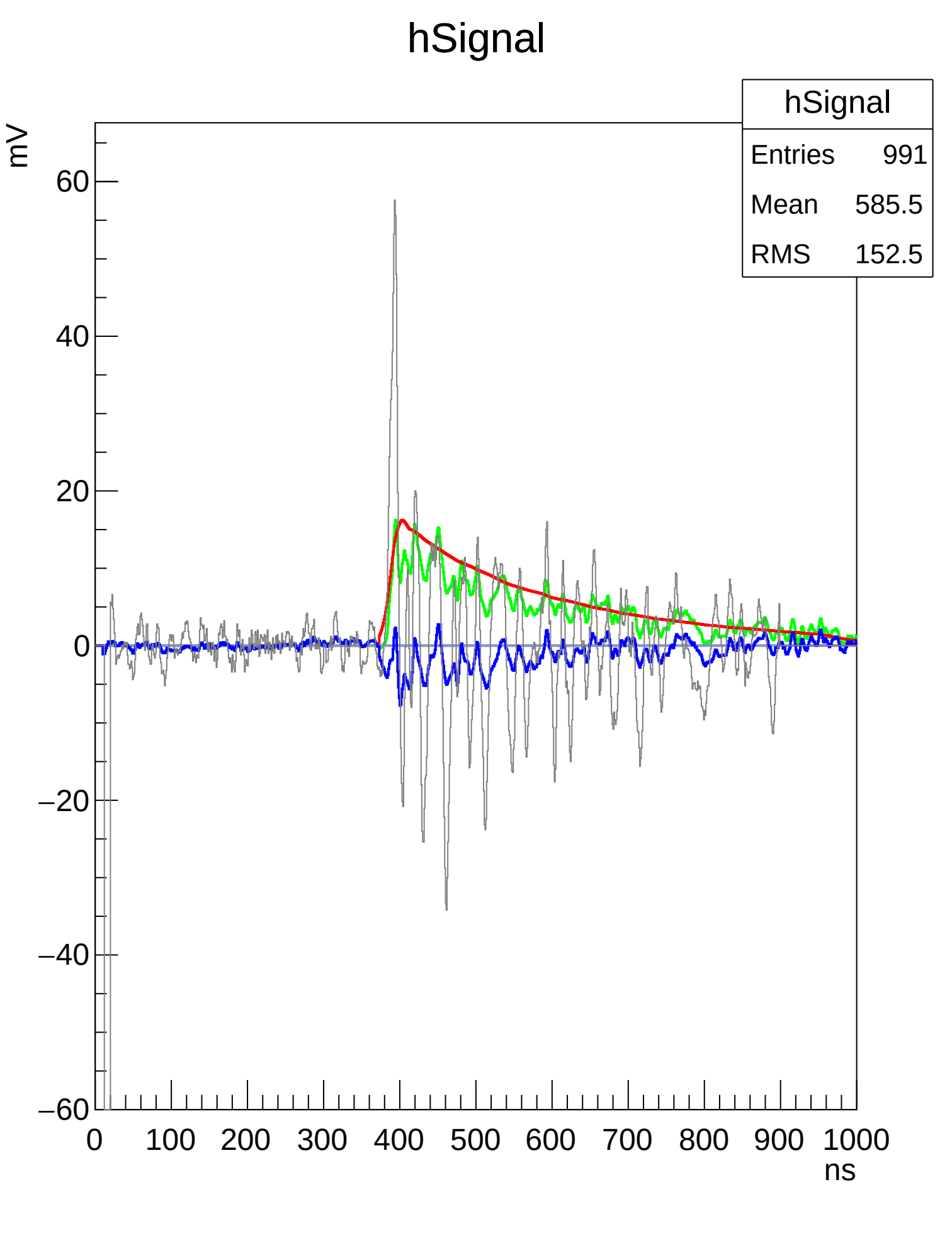

hSignal
hSignal
Entries 991
Mean 589.4
RMS 165.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603
RMS 98.92
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 156
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 155.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.8
RMS 138.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.5
RMS 152.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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600
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800
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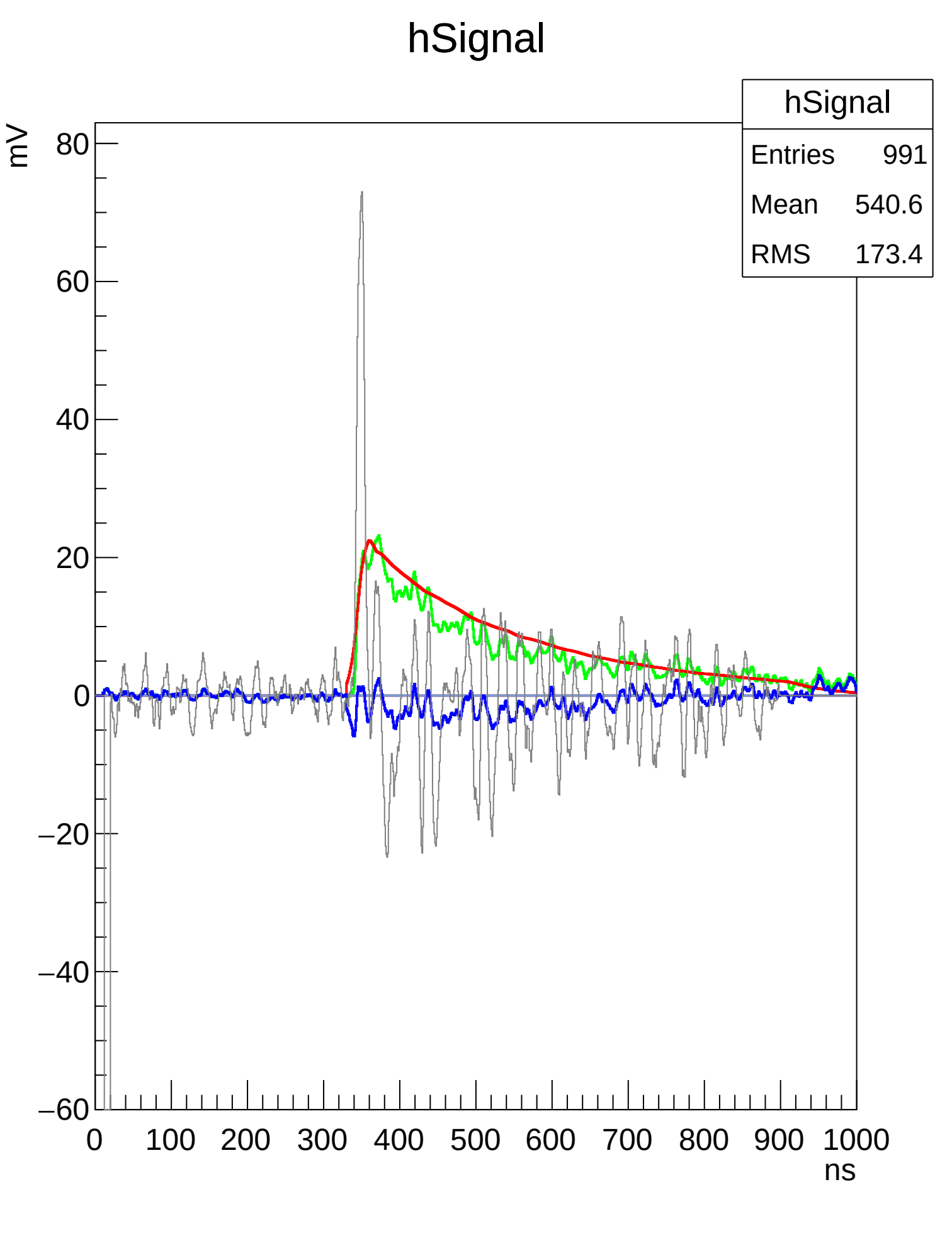
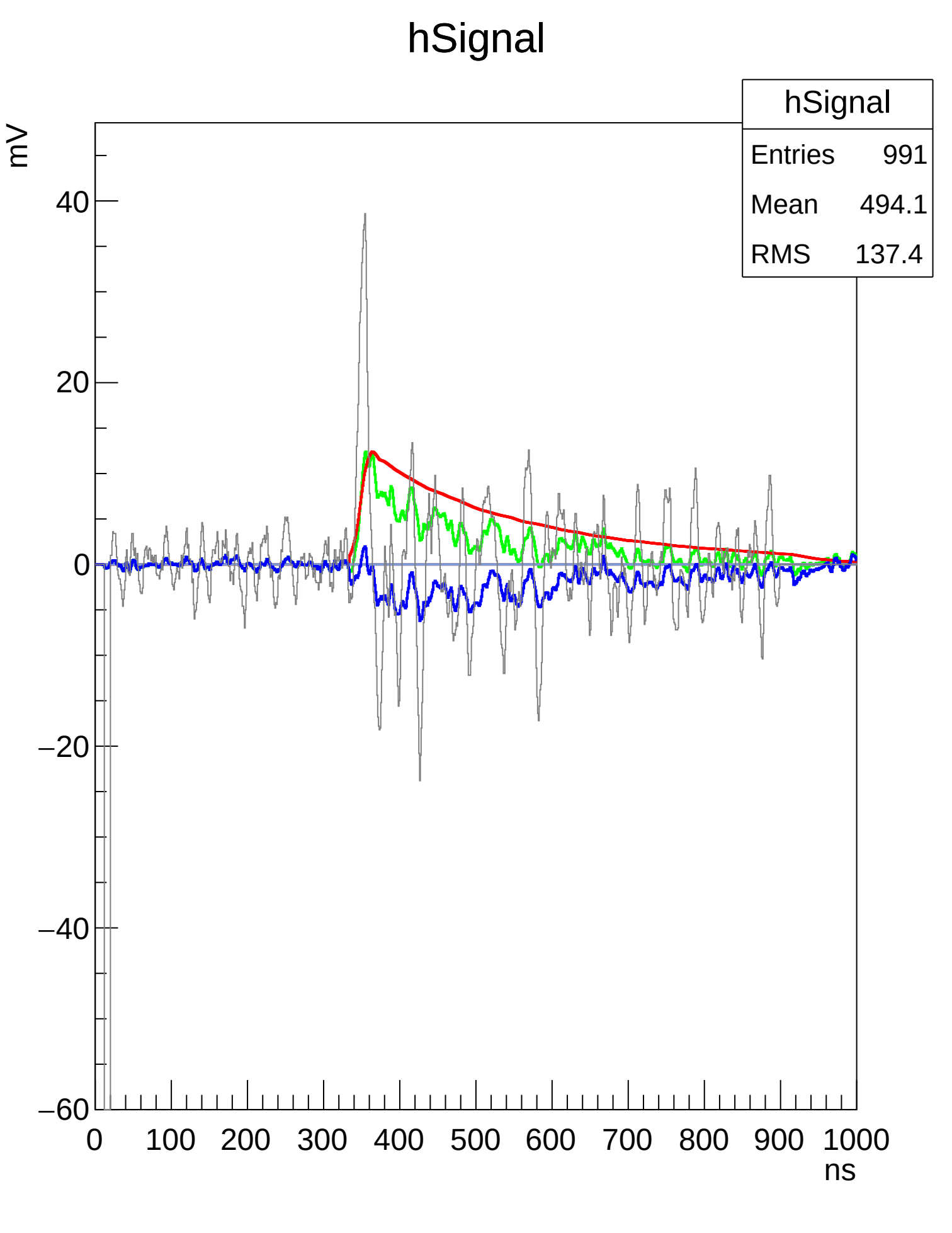
1000
ns


hSignal
hSignal
Entries 991
Mean 540.6
RMS 173.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.1
RMS 137.4
mV
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20
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−20
−40
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0
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400
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600
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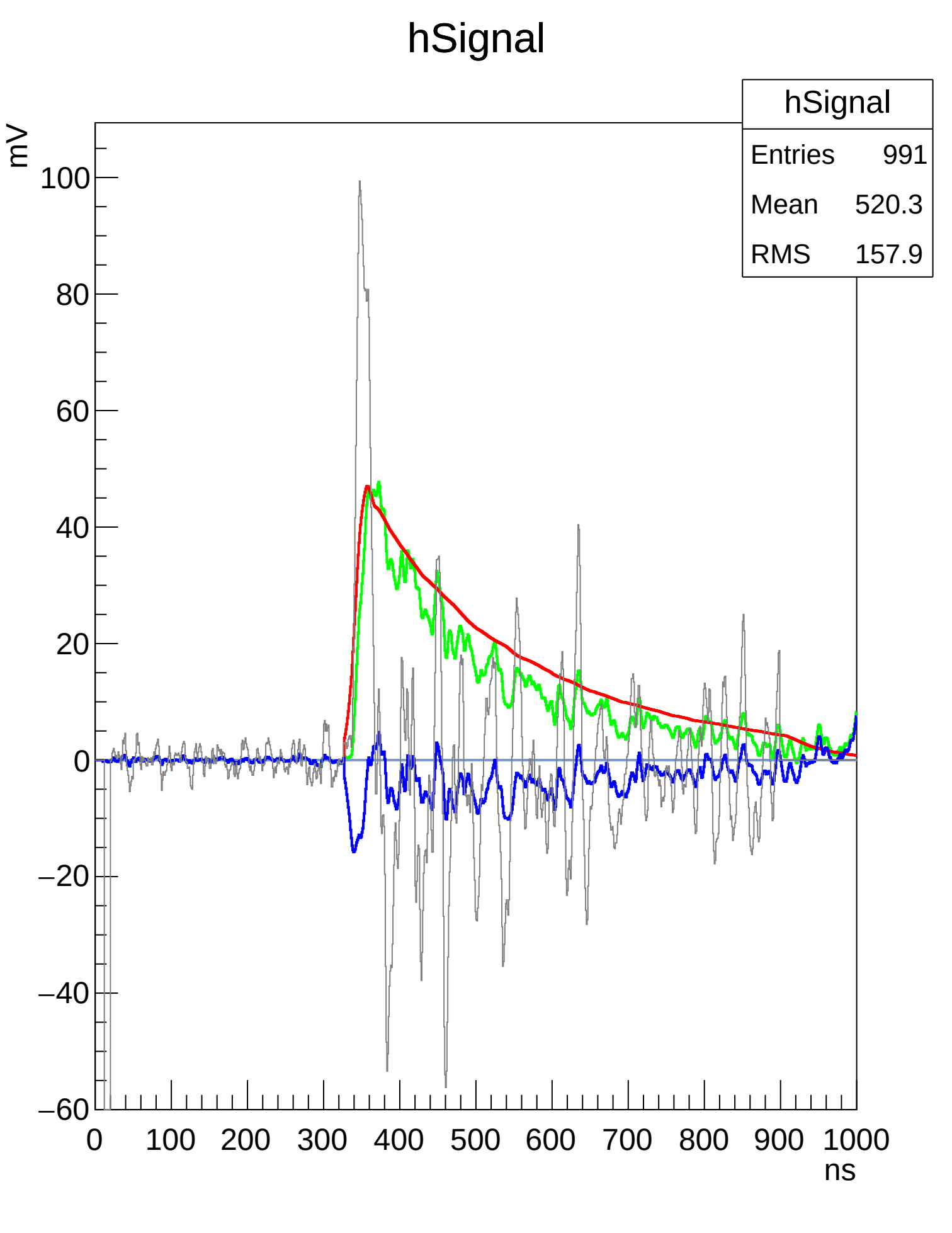
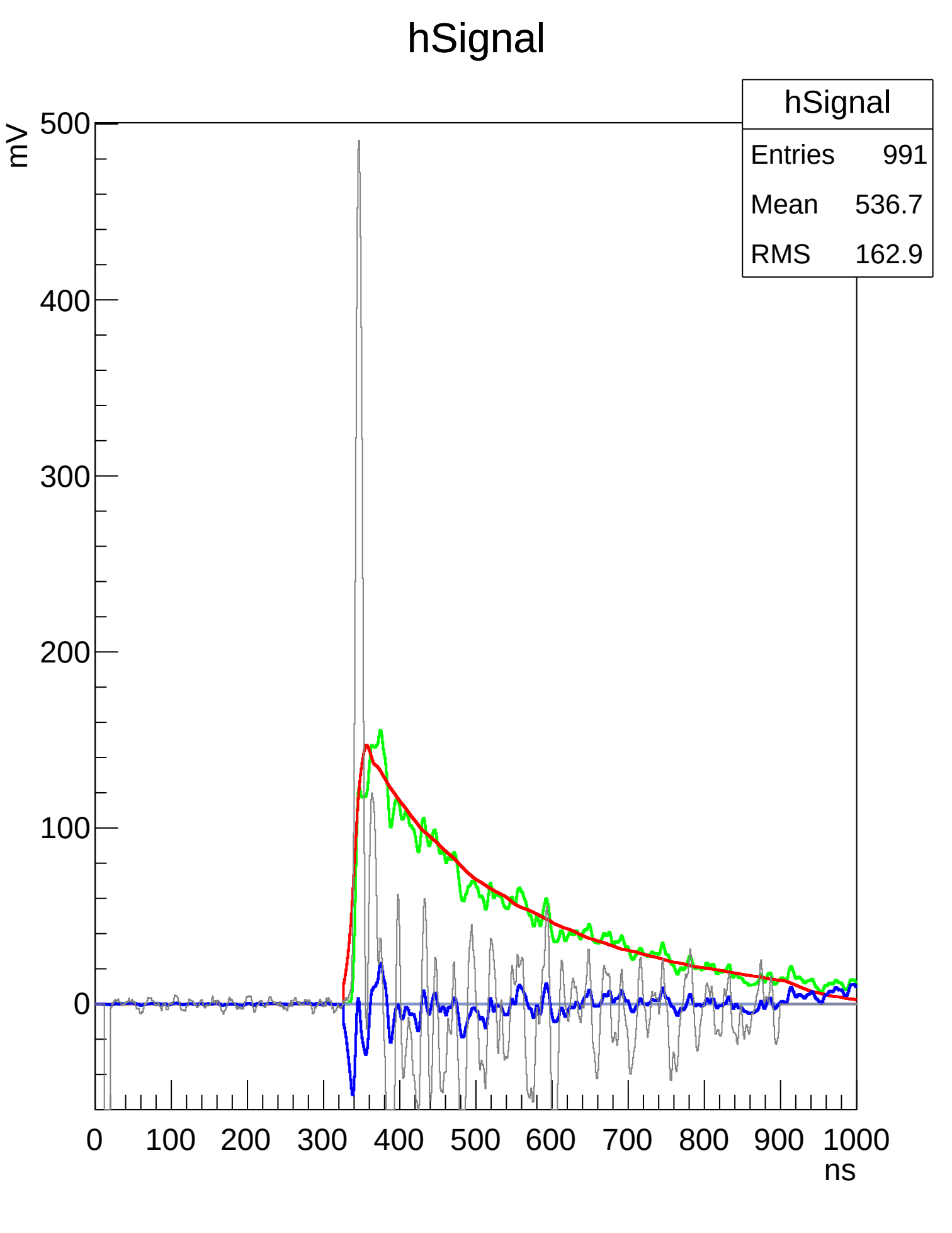
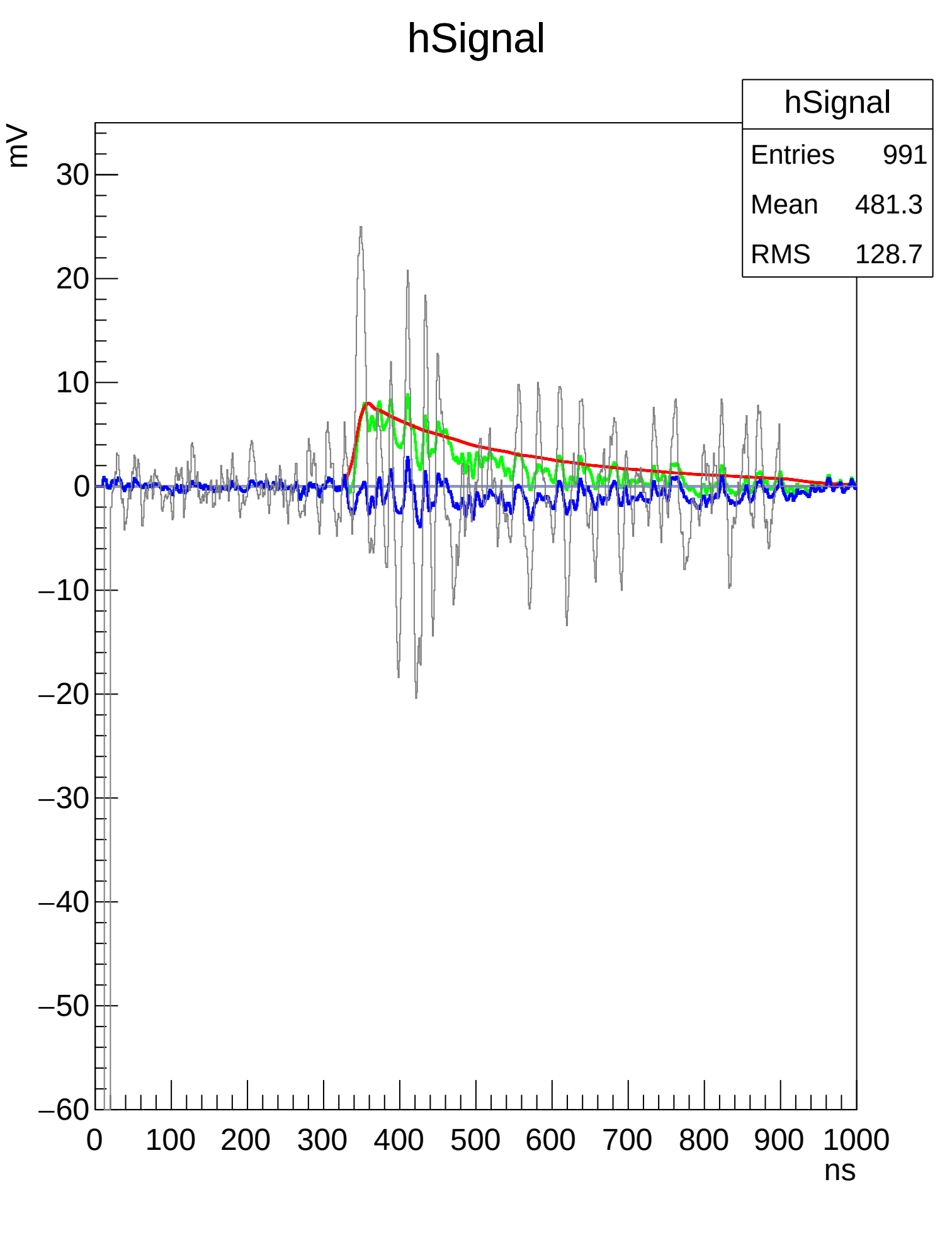
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.3
RMS 157.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.7
RMS 162.9
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 481.3
RMS 128.7
mV
30
20
10
0
−10
−20
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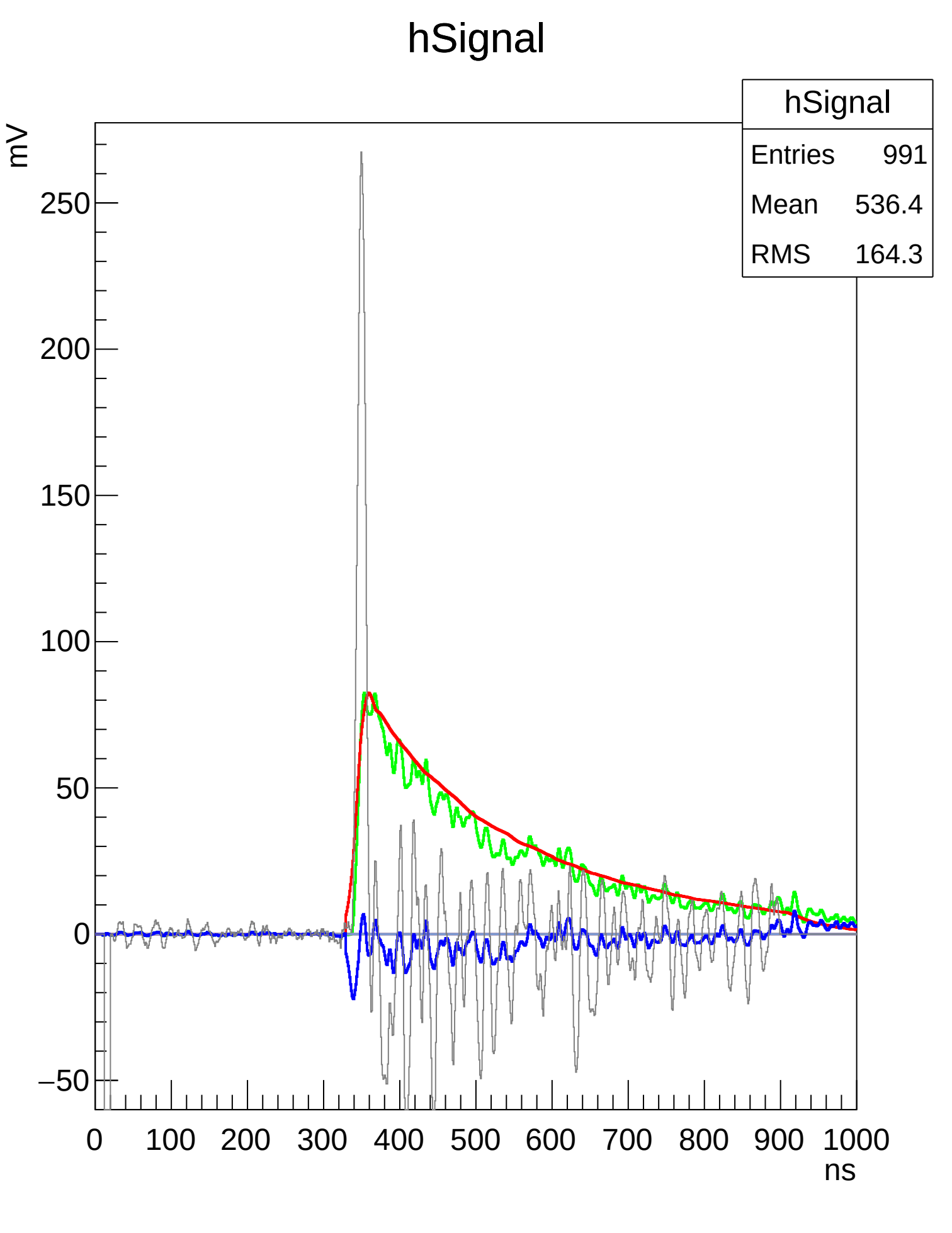
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.4
RMS 164.3
mV
250
200
150
100
50
0
−50
0
100
200
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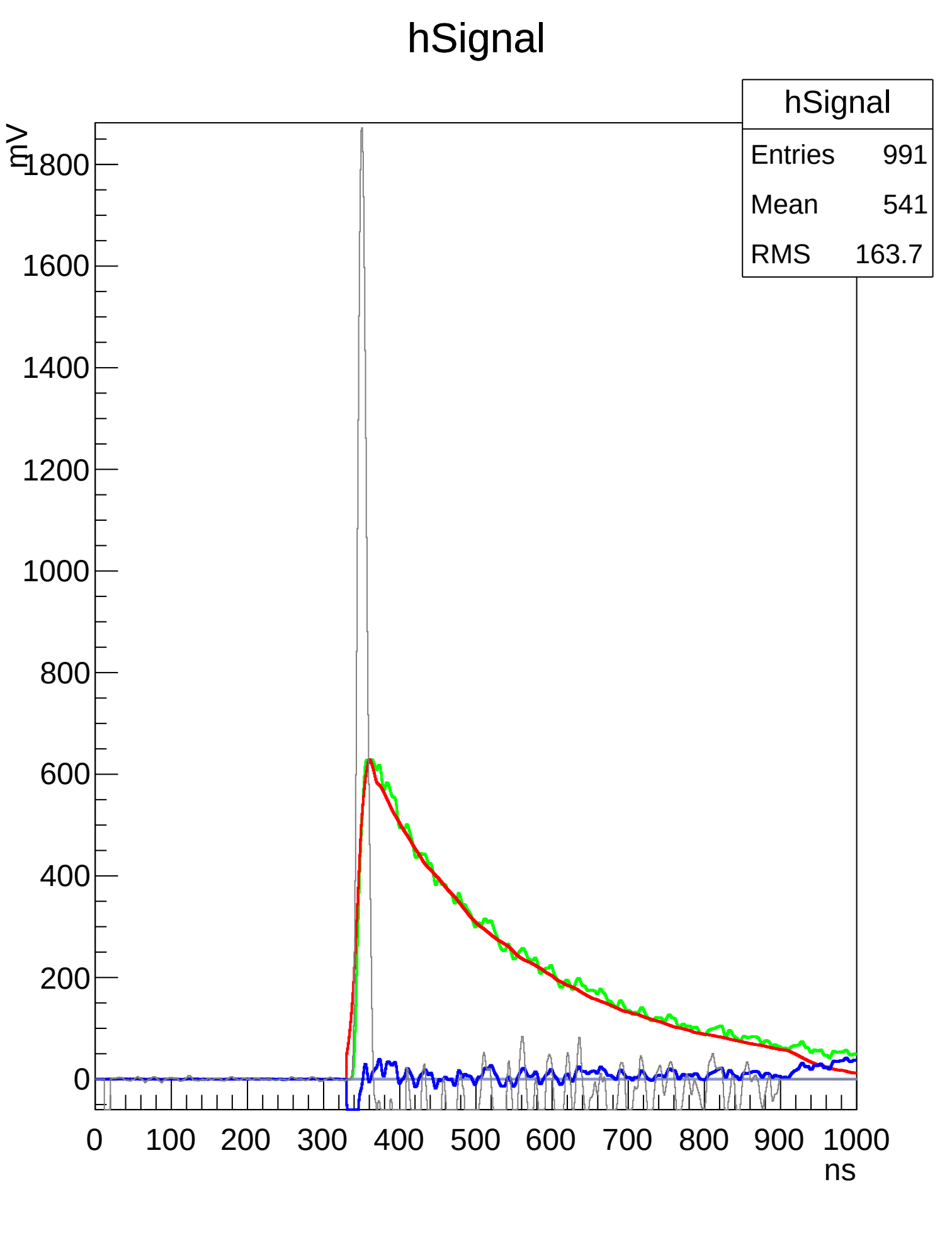
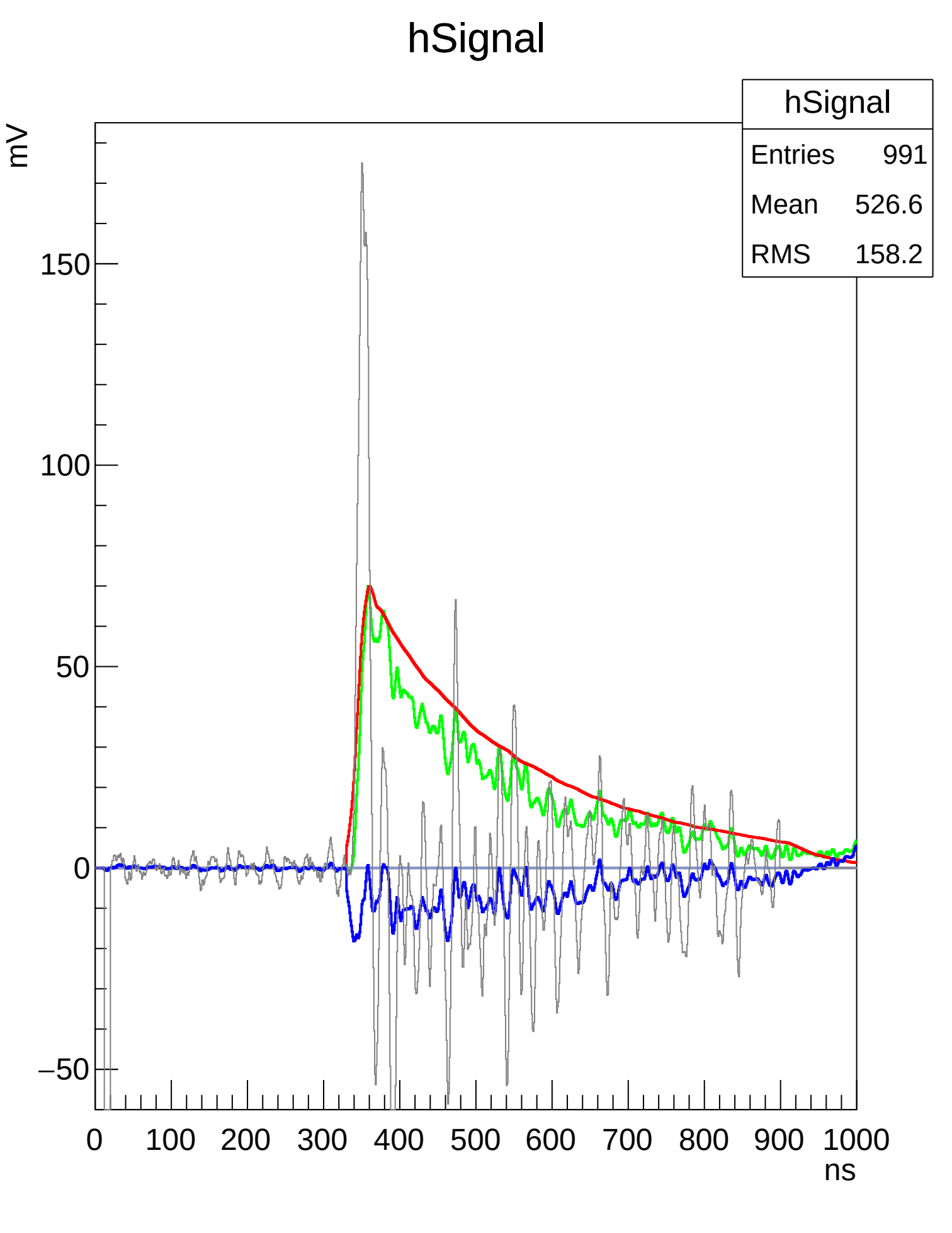
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541
RMS 163.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.6
RMS 158.2
mV
150
100
50
0
−50
0
100
200
300
400
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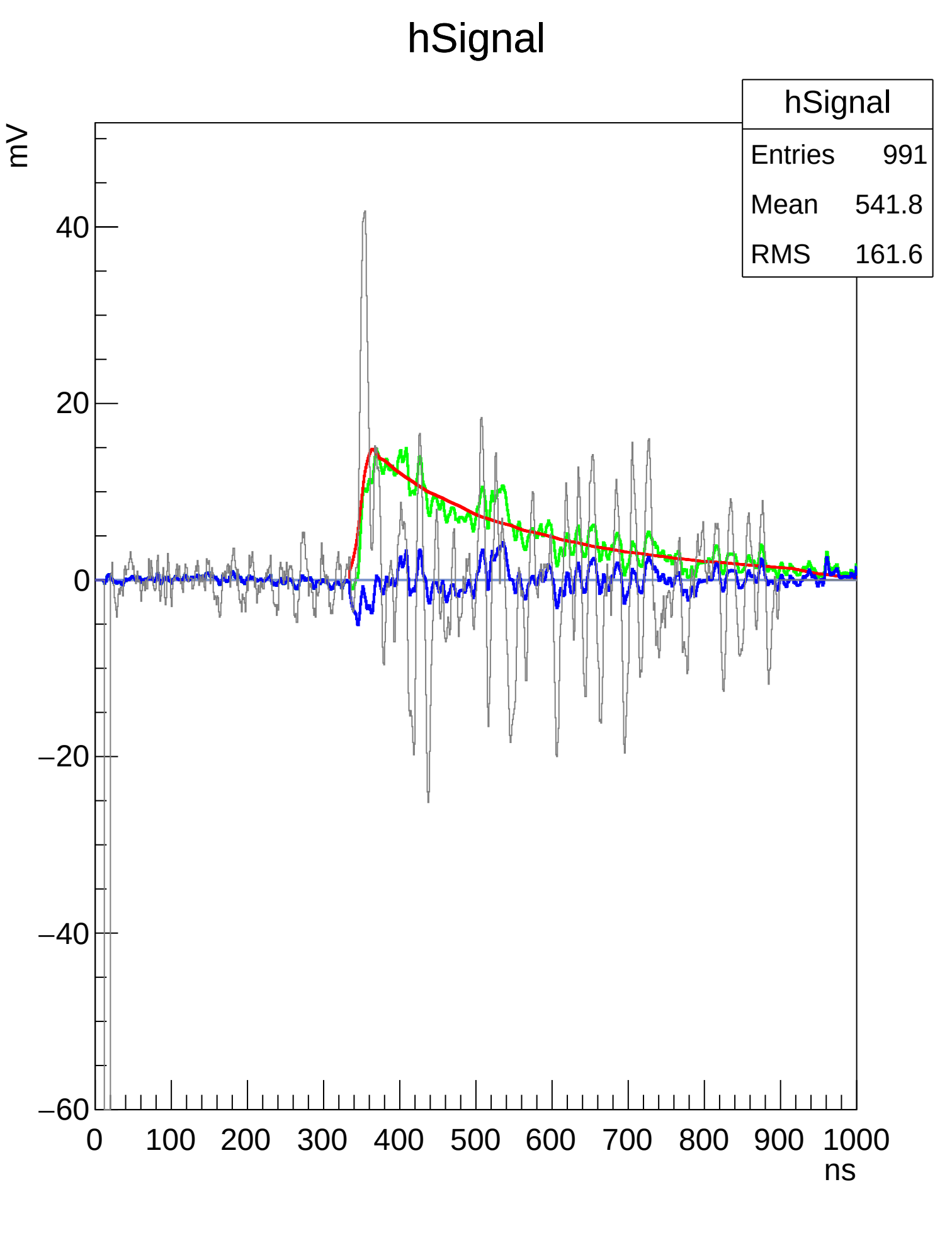
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.8
RMS 161.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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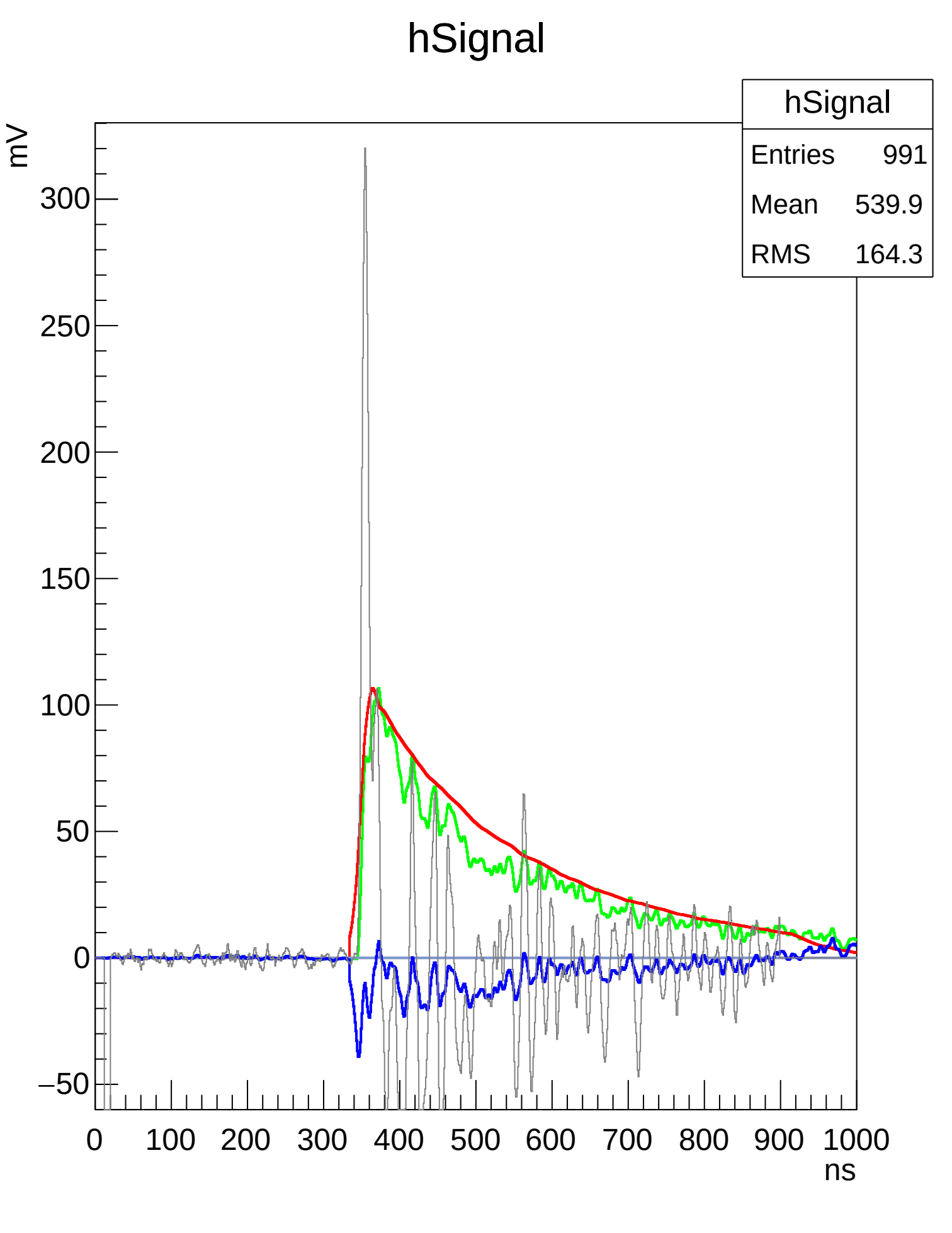
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.9
RMS 164.3
mV
300
250
200
150
100
50
0
−50
0
100
200
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400
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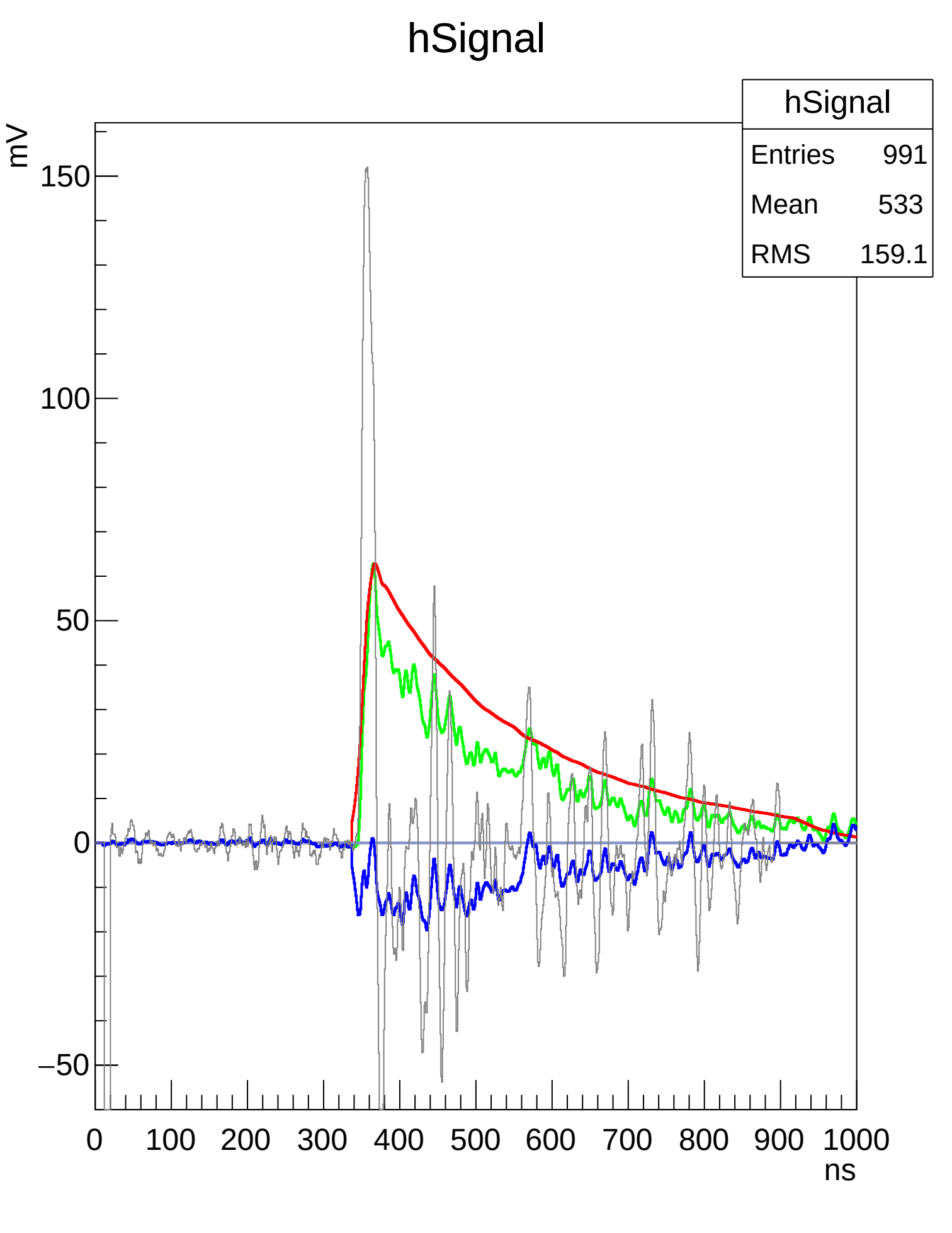
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533
RMS 159.1
mV
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100
50
0
−50
0
100
200
300
400
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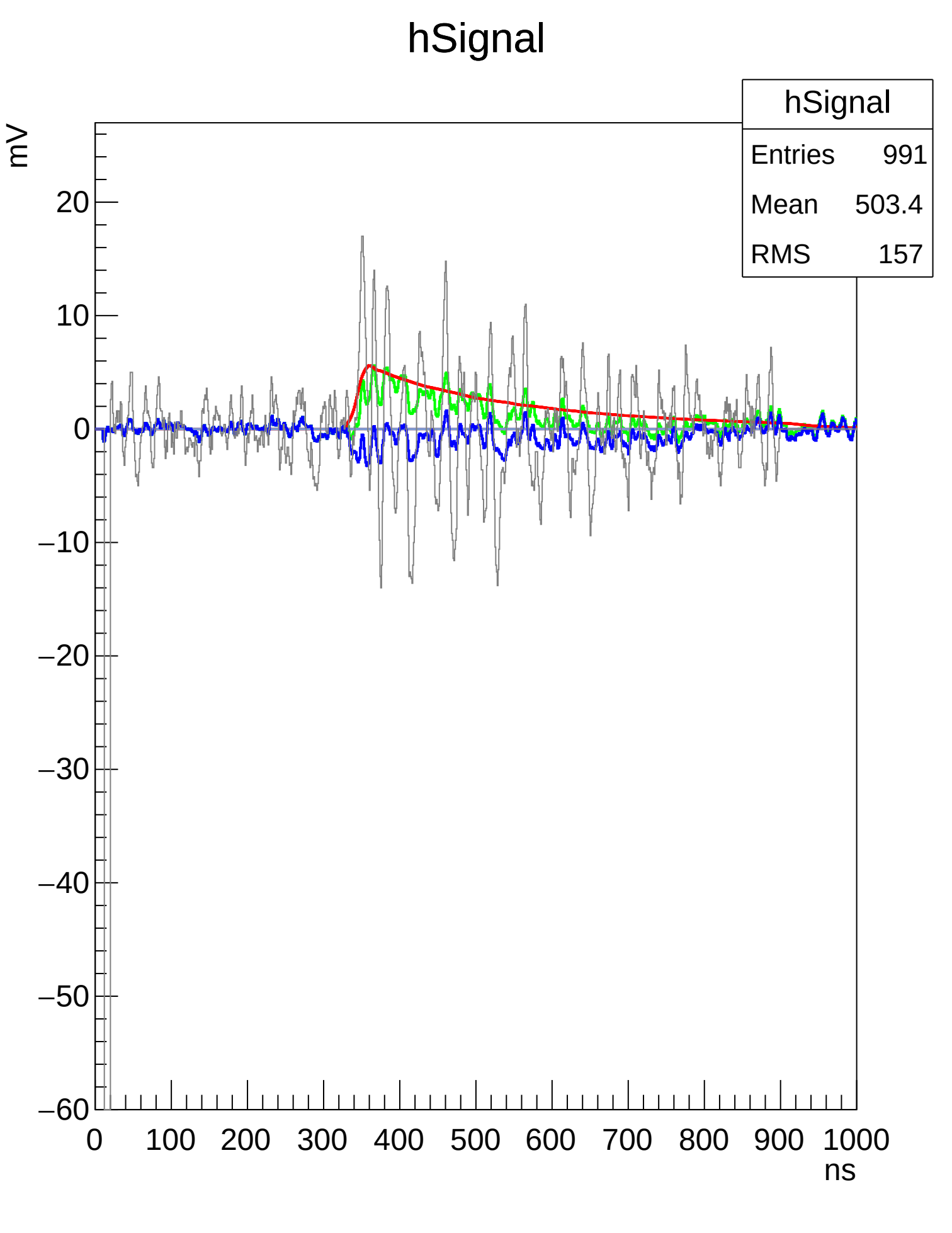
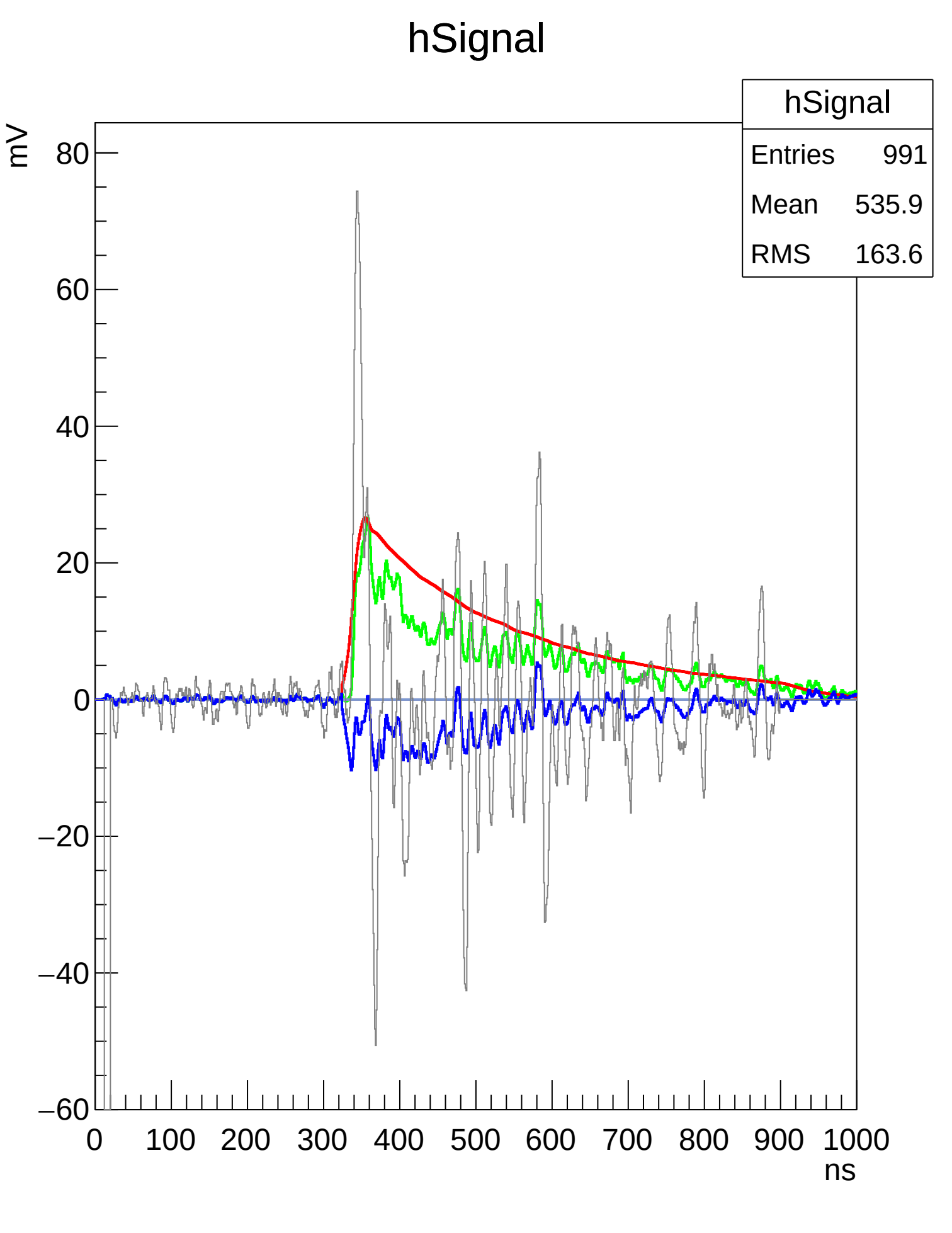
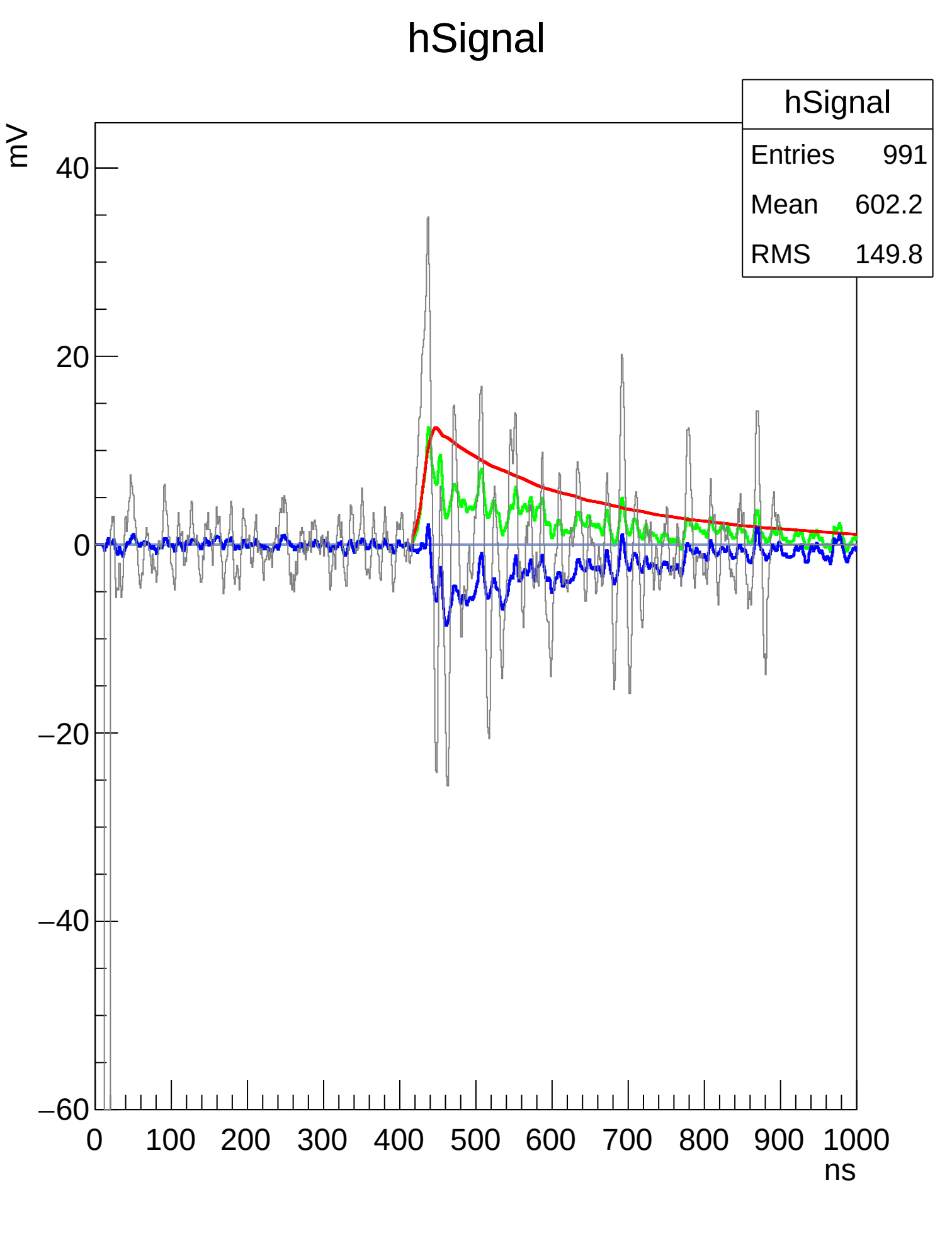
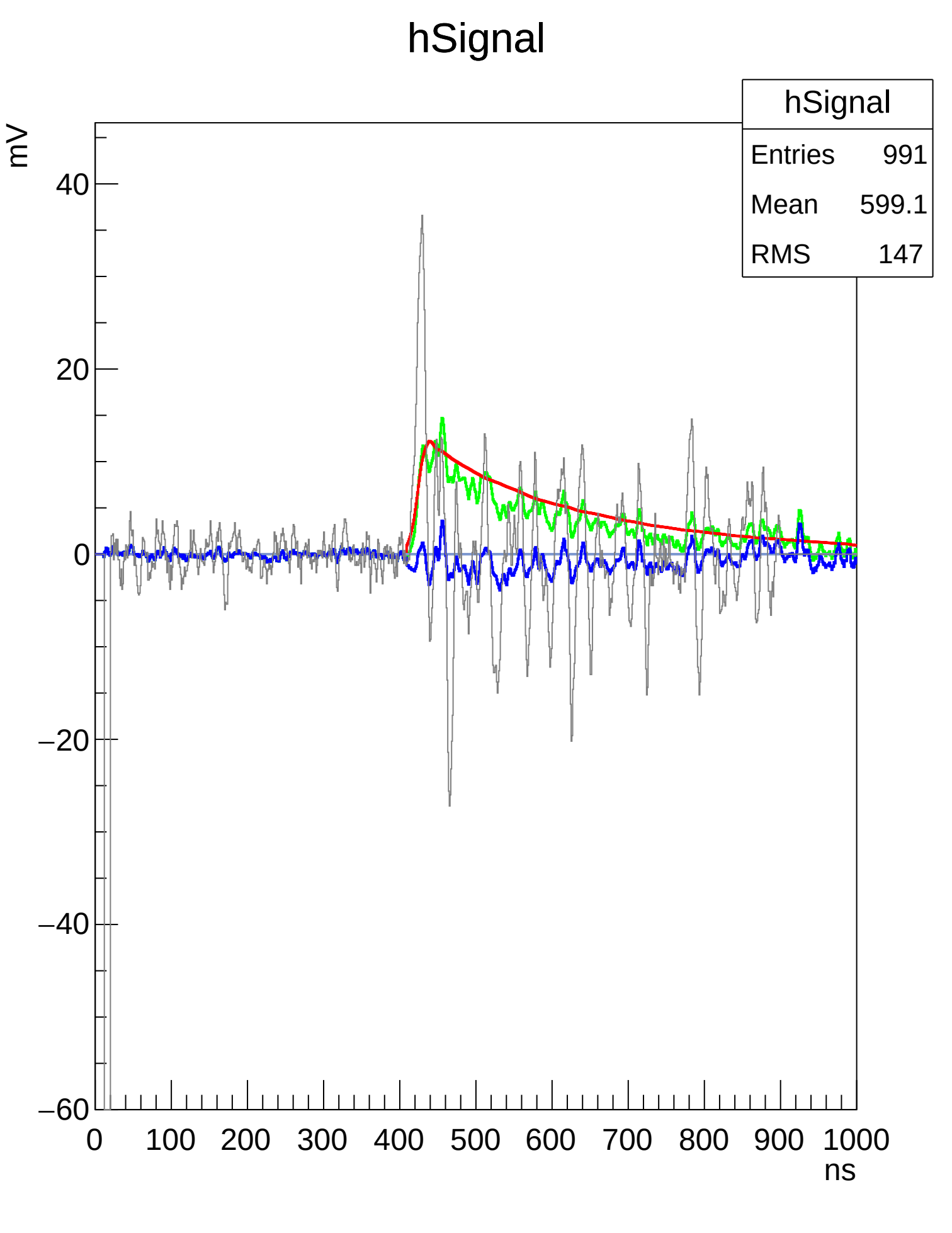
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.4
RMS 157
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.9
RMS 163.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.2
RMS 149.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 147
mV
40
20
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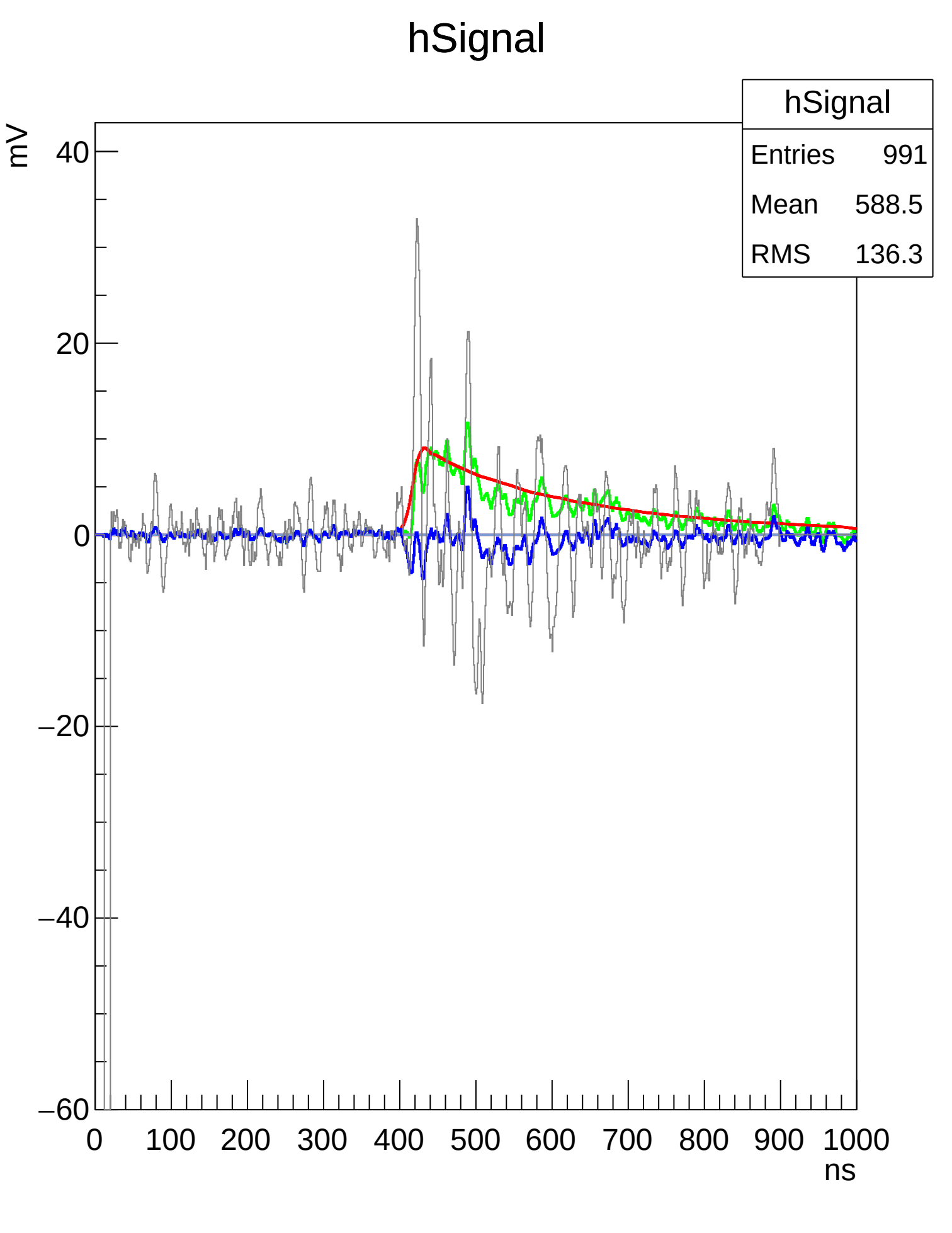
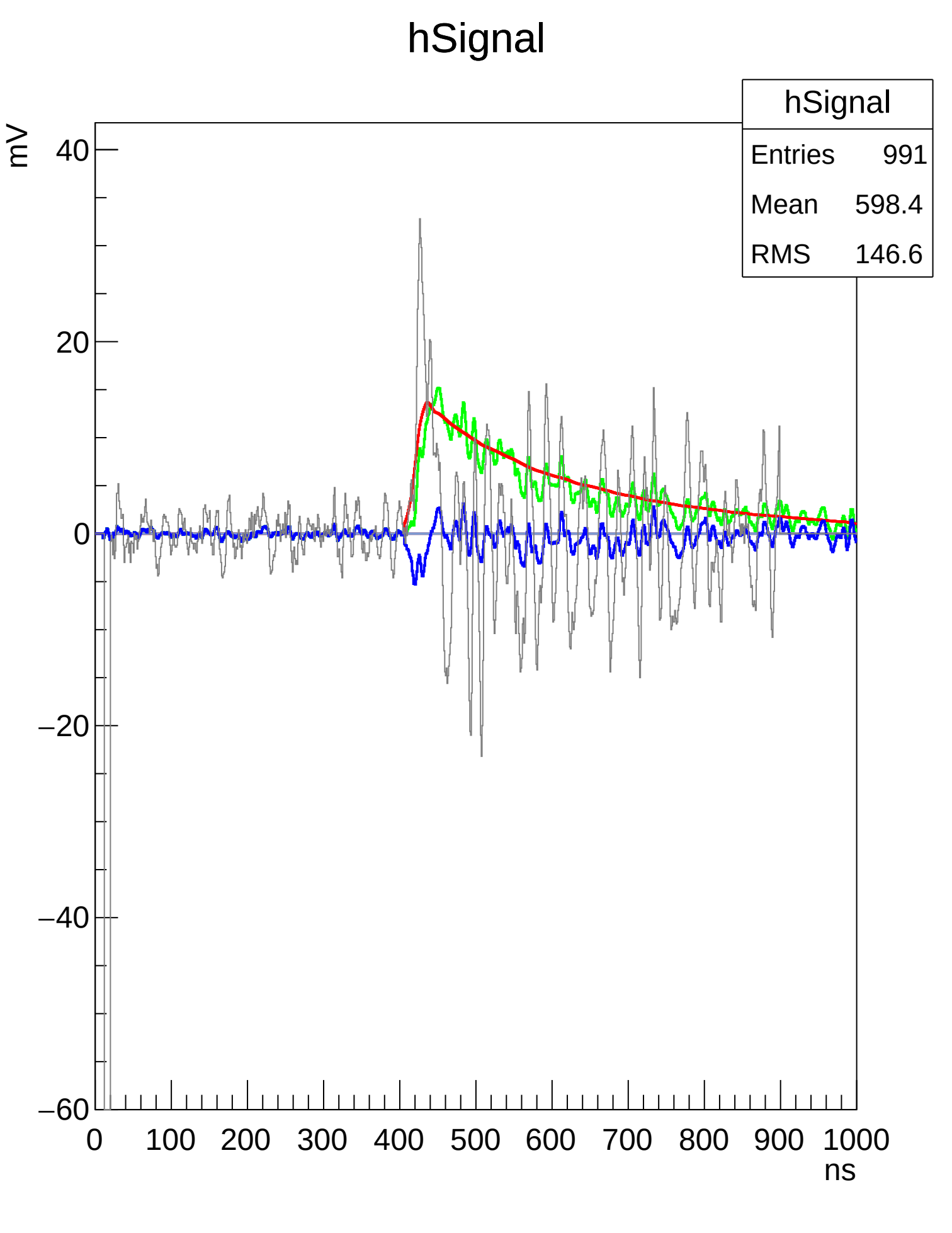
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.5
RMS 136.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.4
RMS 146.6
mV
40
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0
−20
−40
−60
0
100
200
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400
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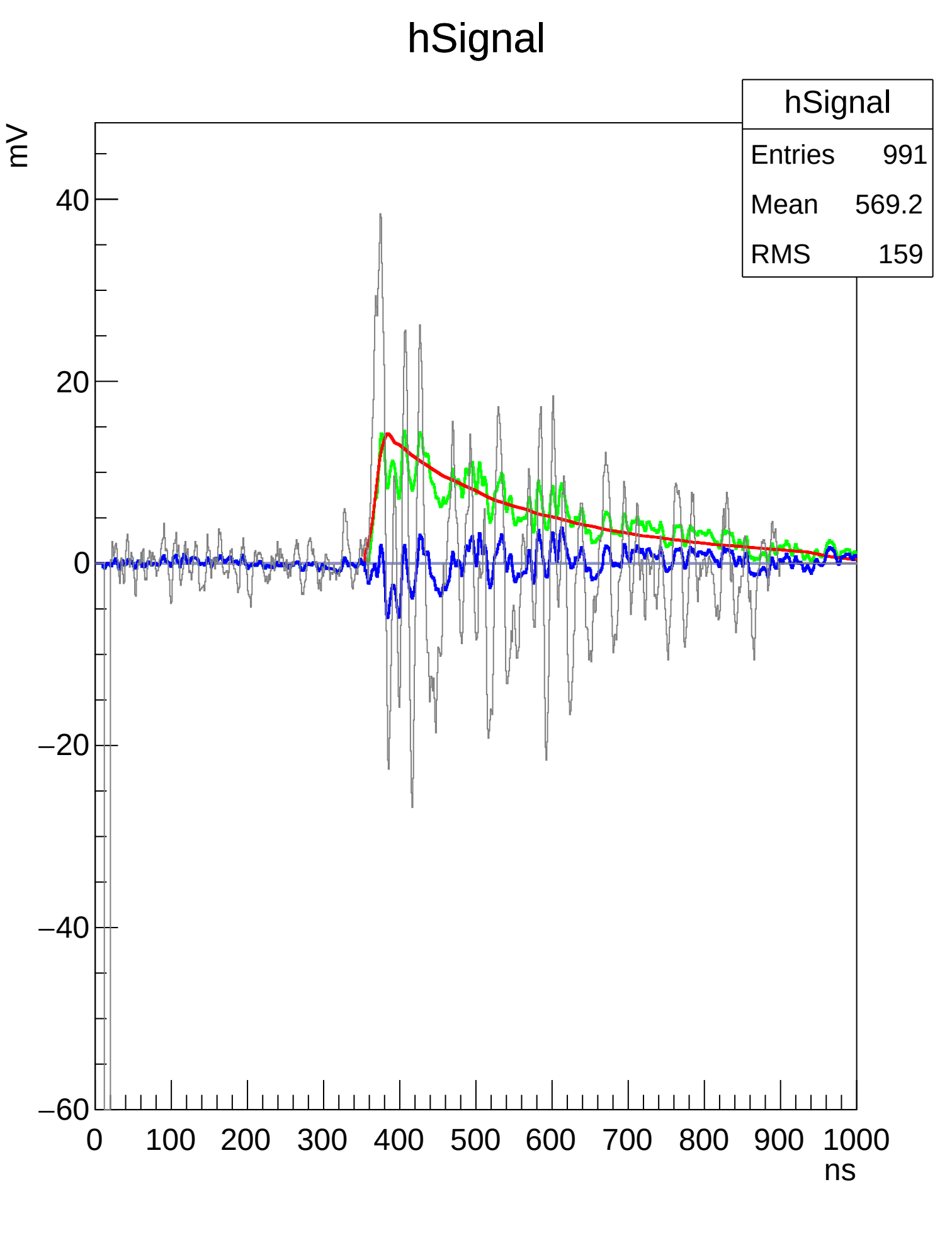
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.2
RMS 159
mV
40
20
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−20
−40
−60
0
100
200
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400
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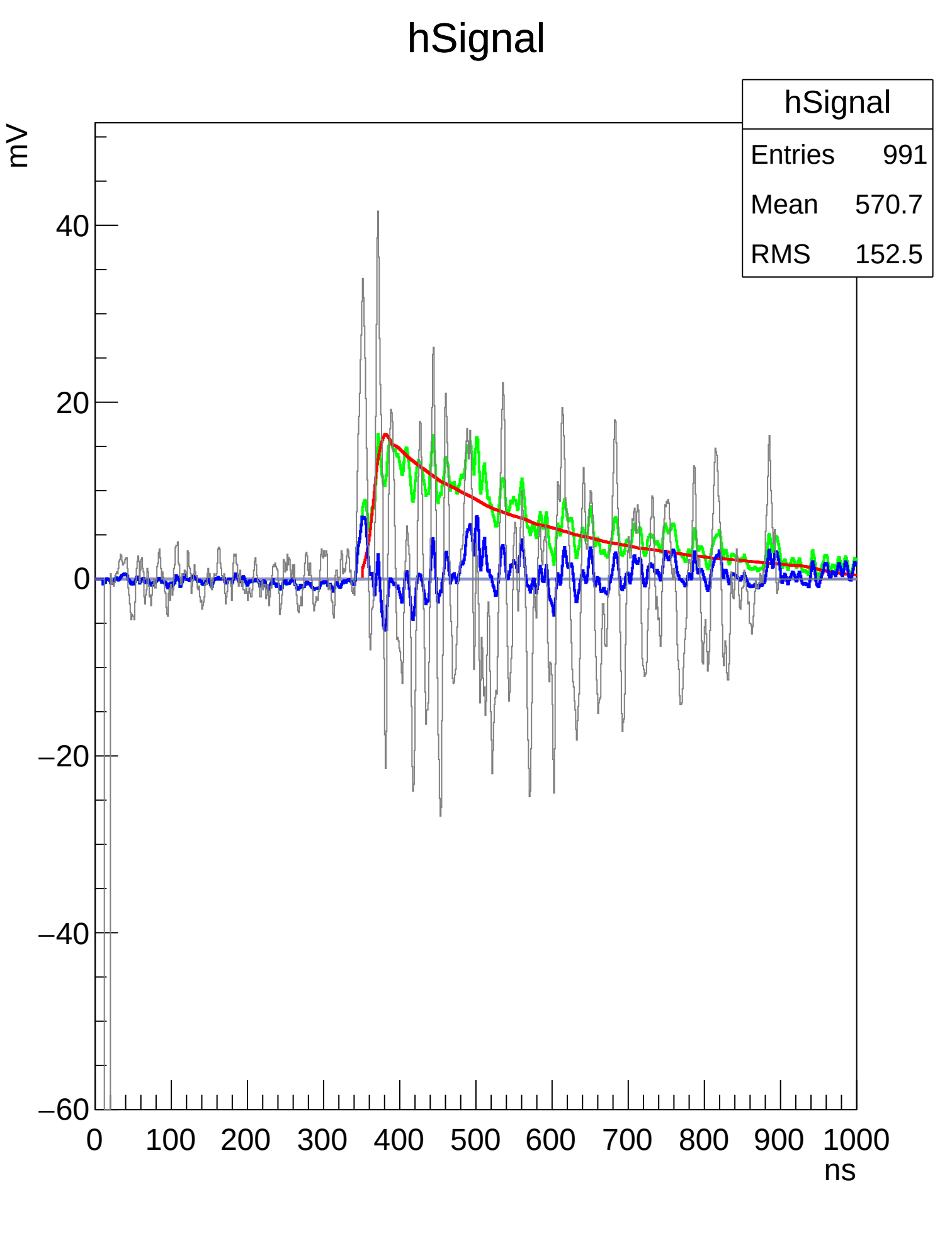
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.7
RMS 152.5
mV
40
20
0
−20
−40
−60
0
100
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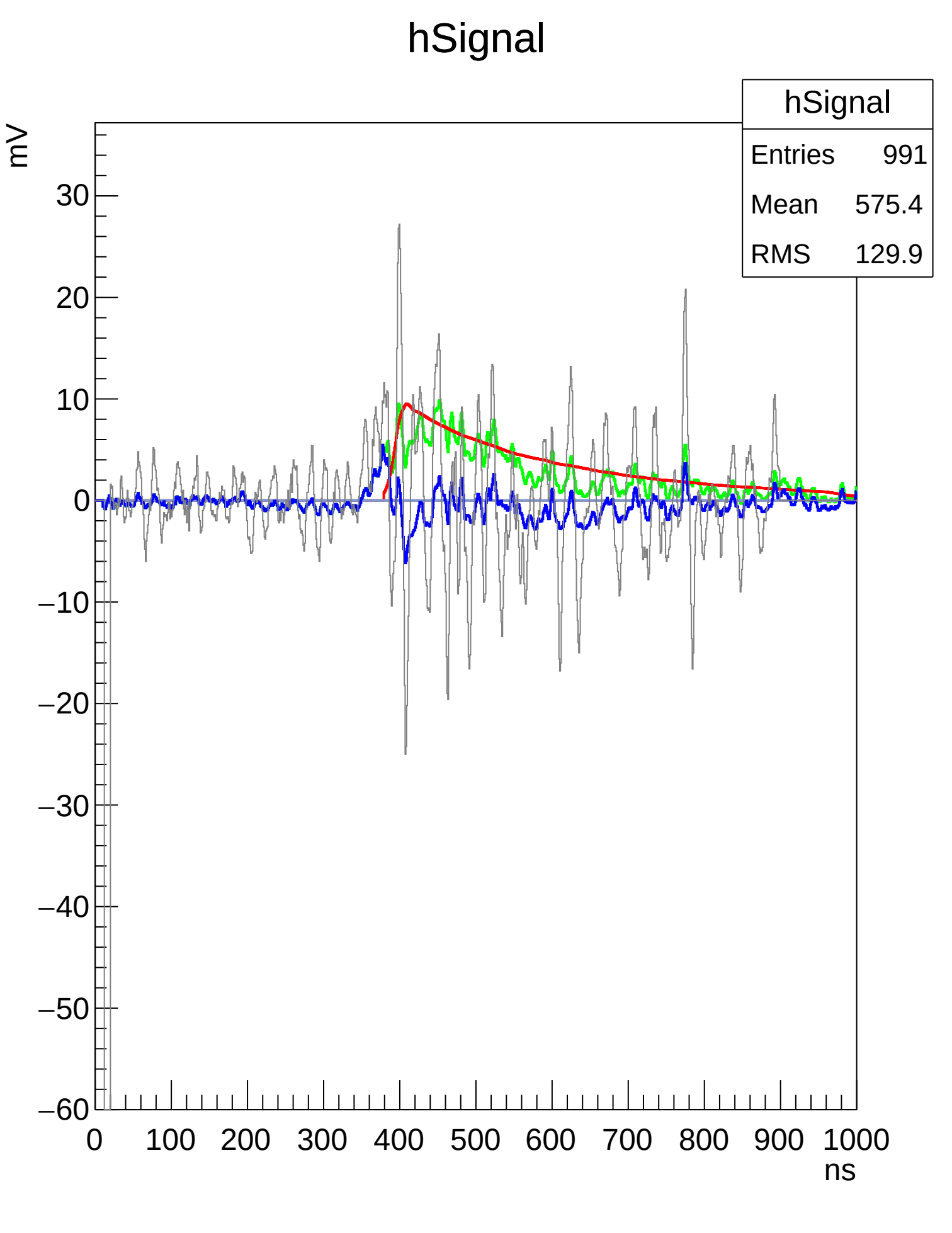
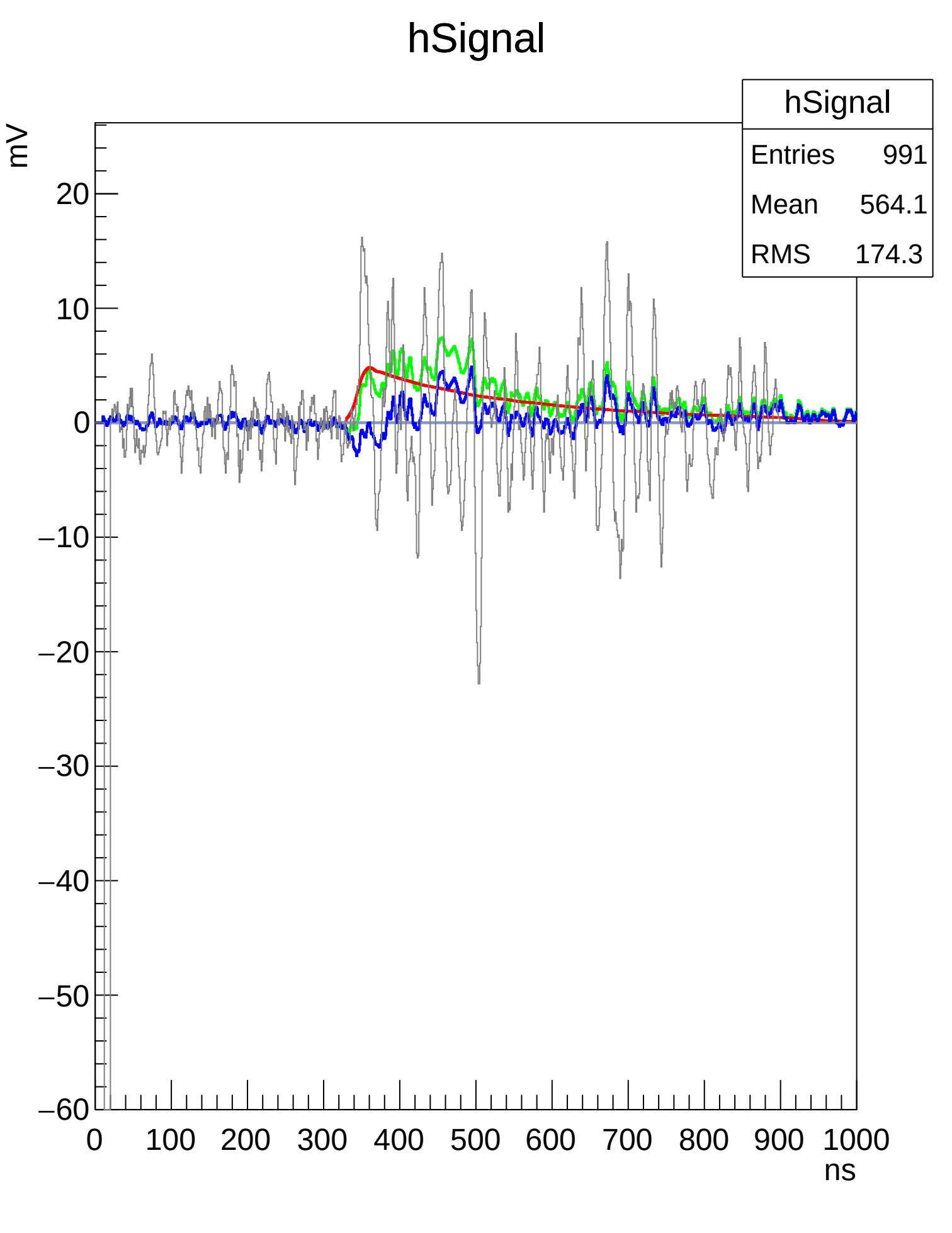
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.4
RMS 129.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.1
RMS 174.3
mV
20
10
0
−10
−20
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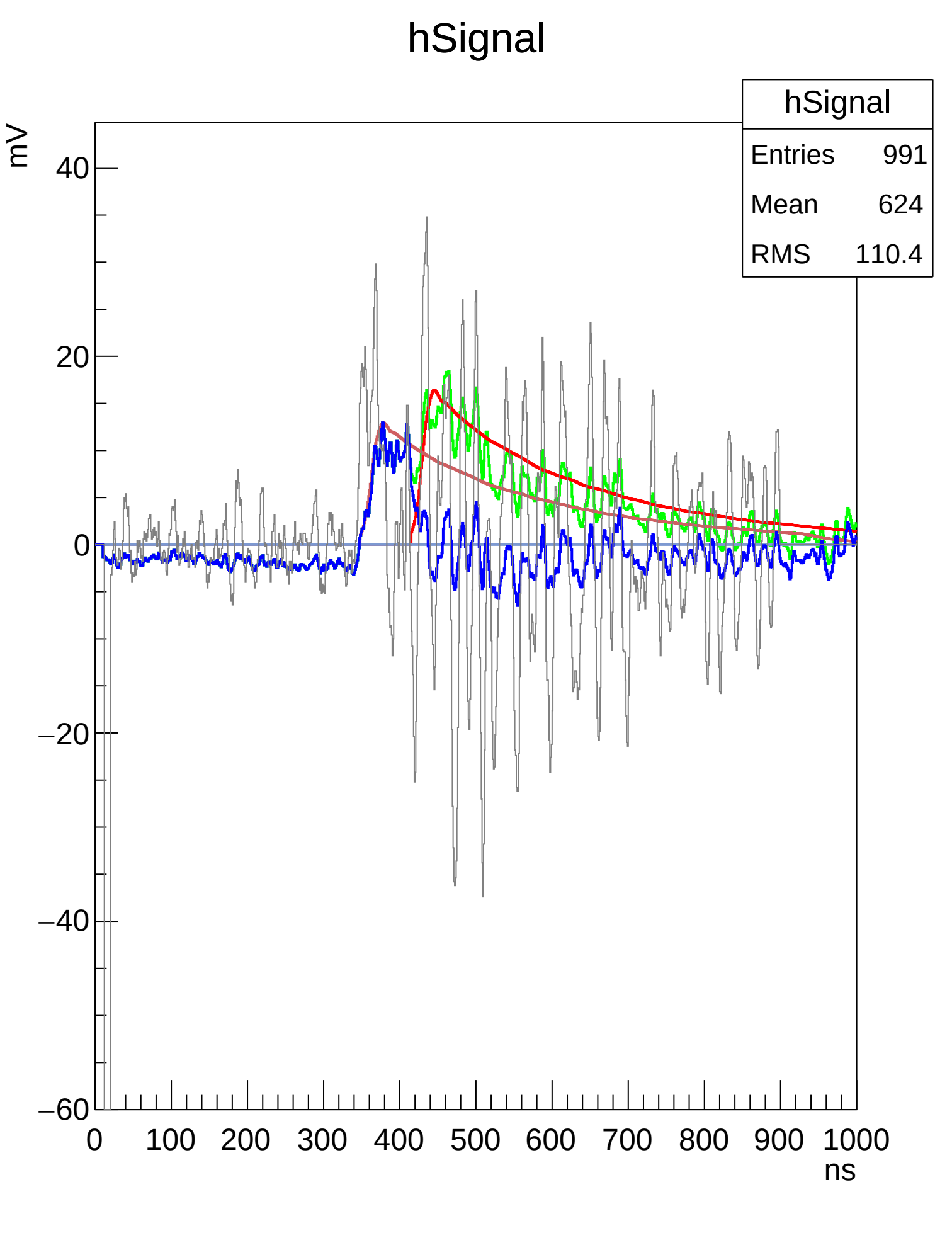
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 624
RMS 110.4
mV
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−20
−40
−60
0
100
200
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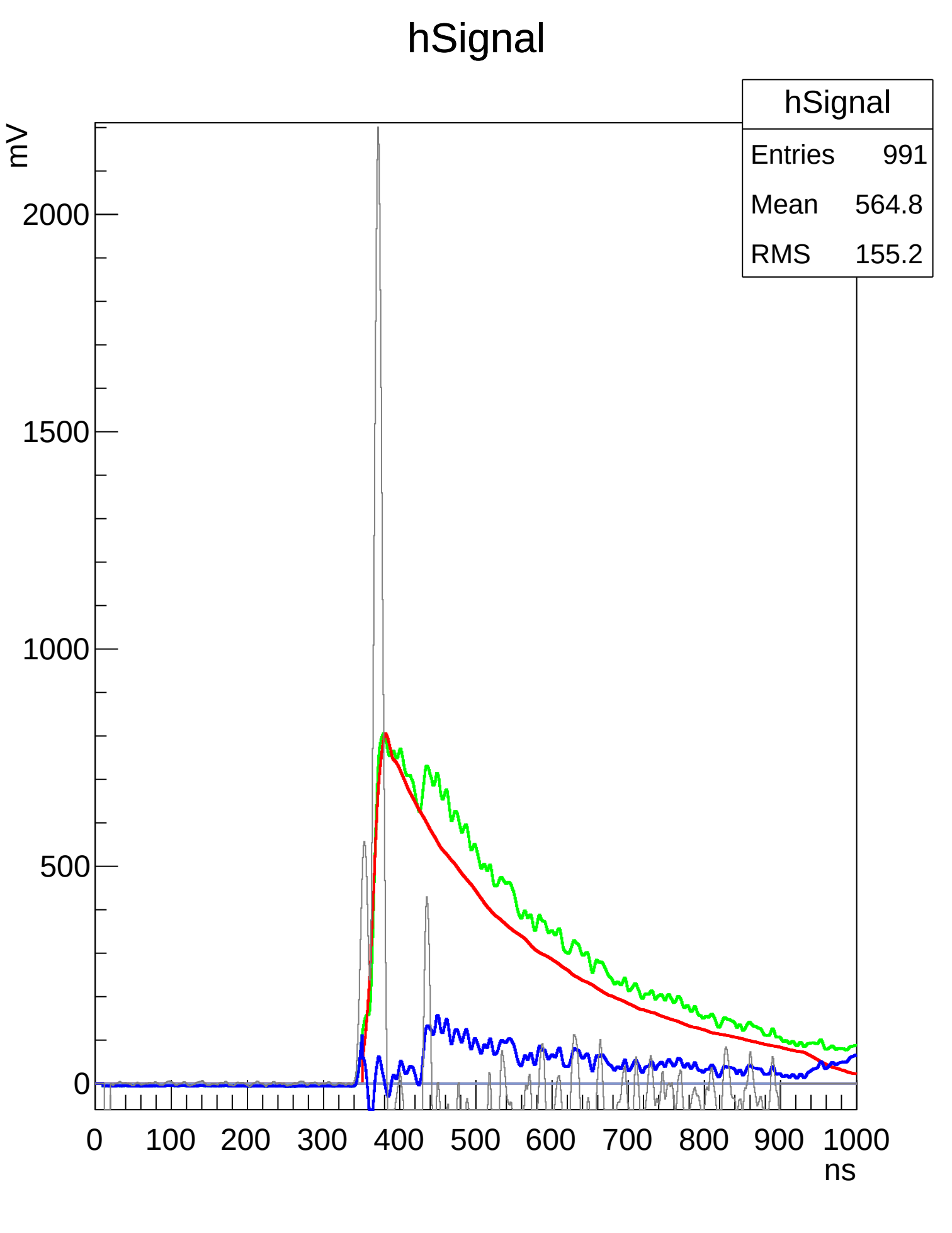
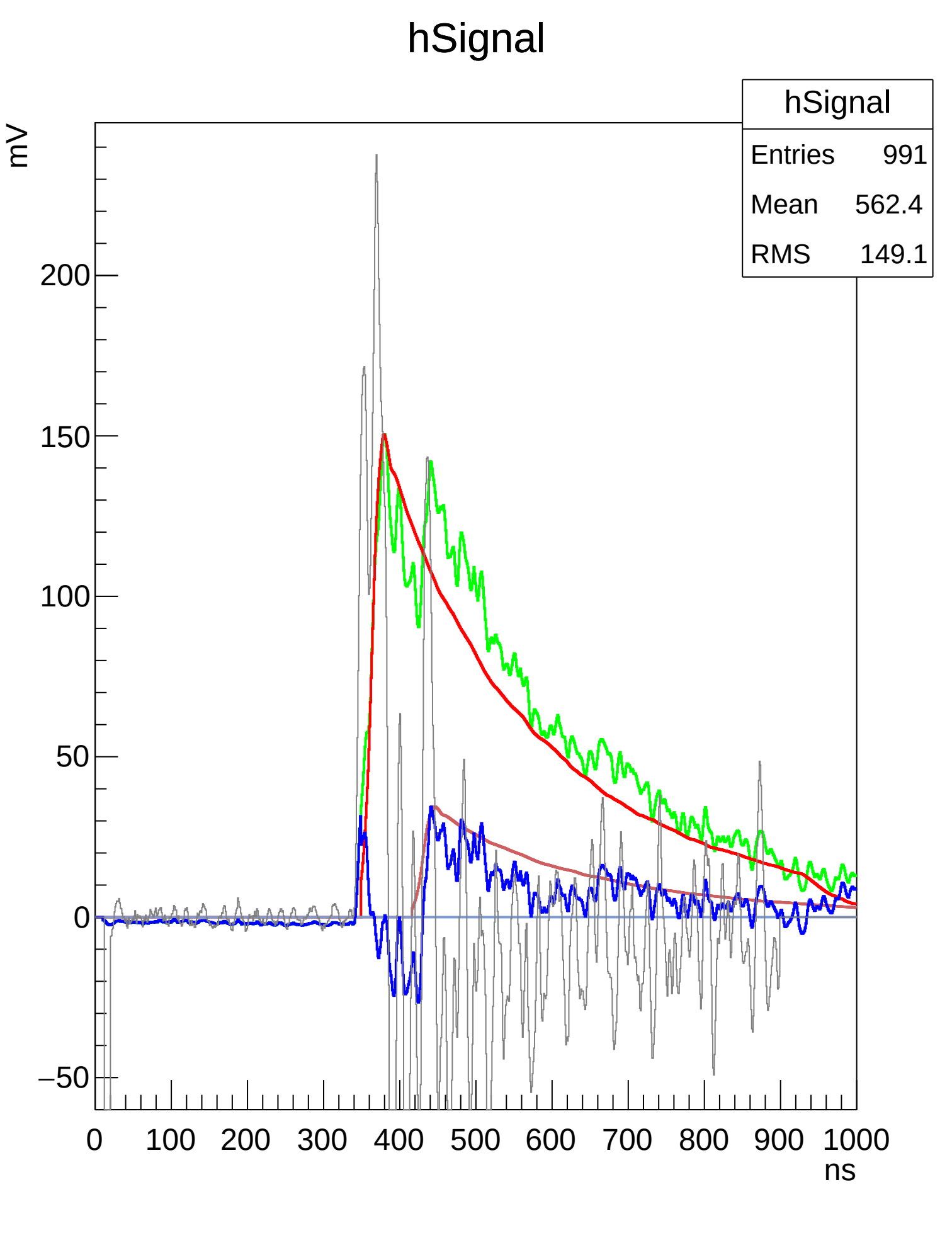
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.8
RMS 155.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 562.4
RMS 149.1
mV
200
150
100
50
0
−50
0
100
200
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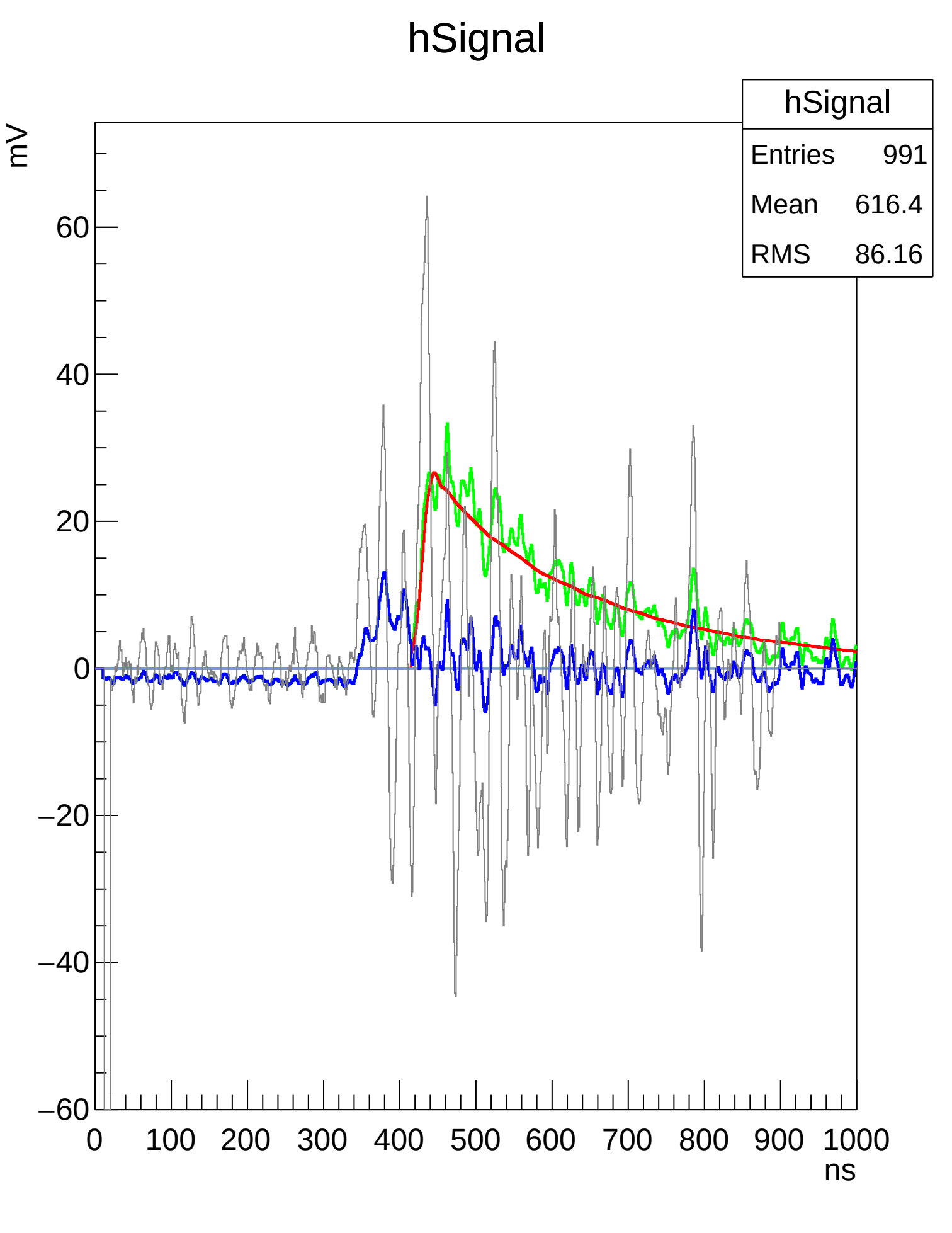
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.4
RMS 86.16
mV
60
40
20
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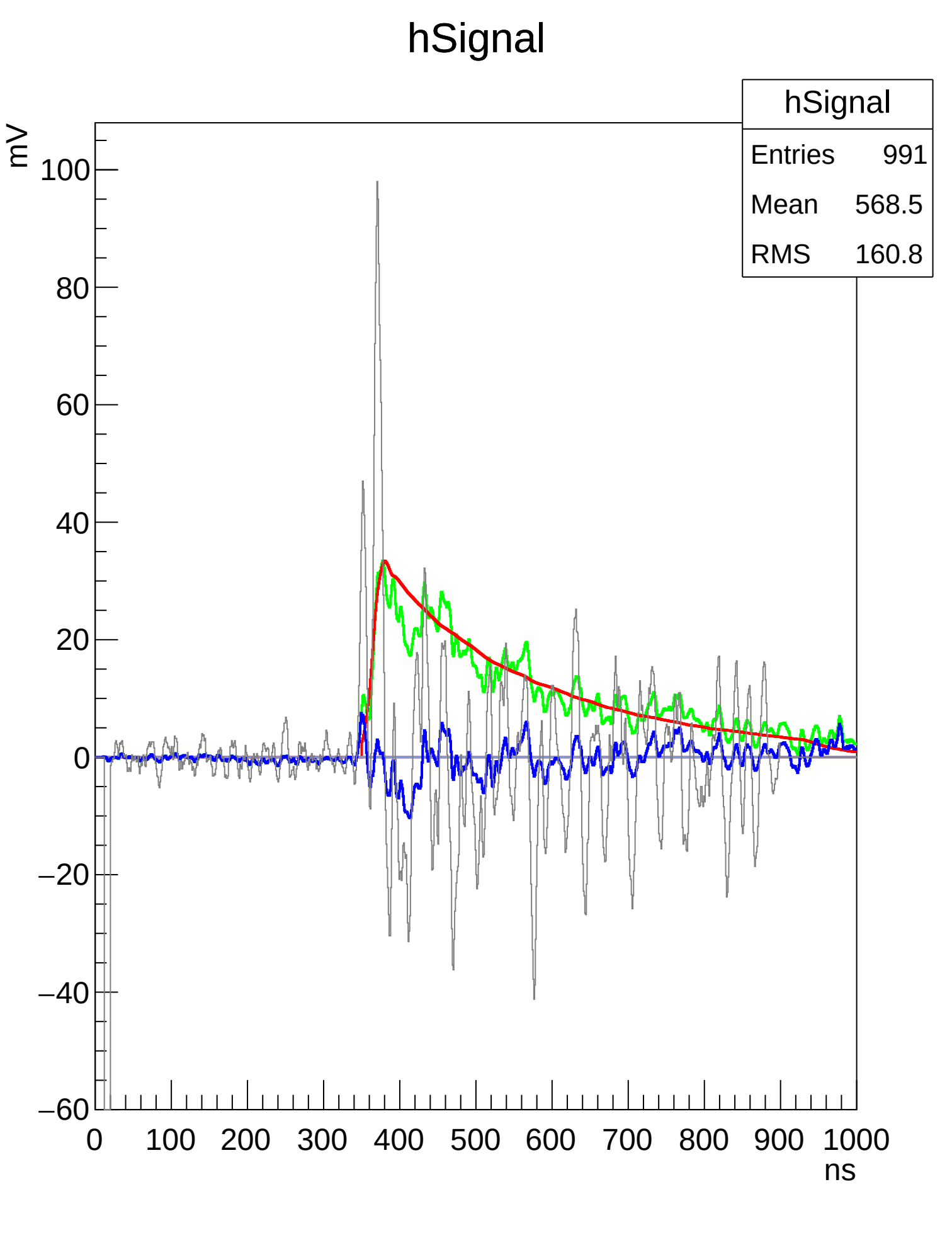
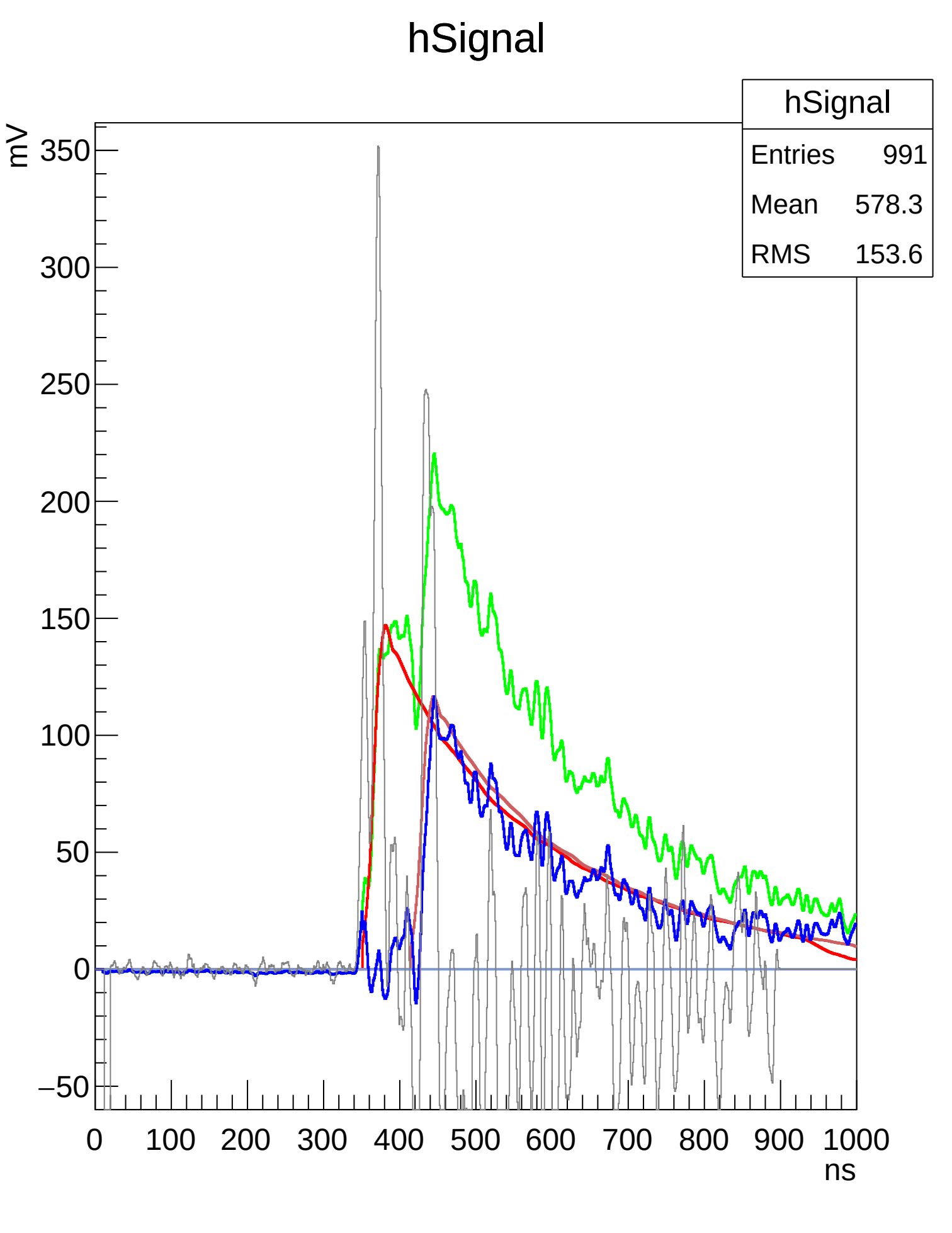
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.5
RMS 160.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 153.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
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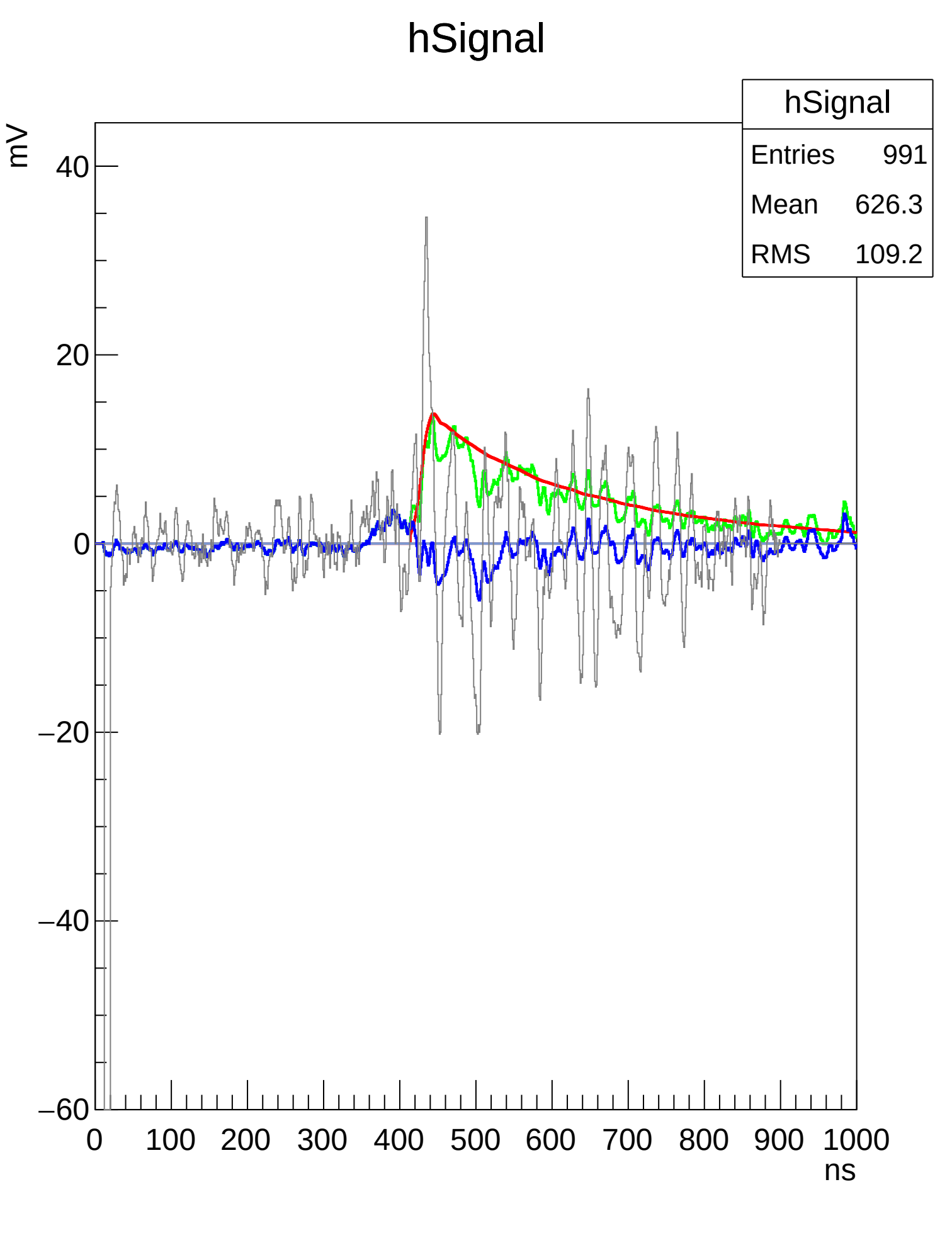
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 626.3
RMS 109.2
mV
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−20
−40
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0
100
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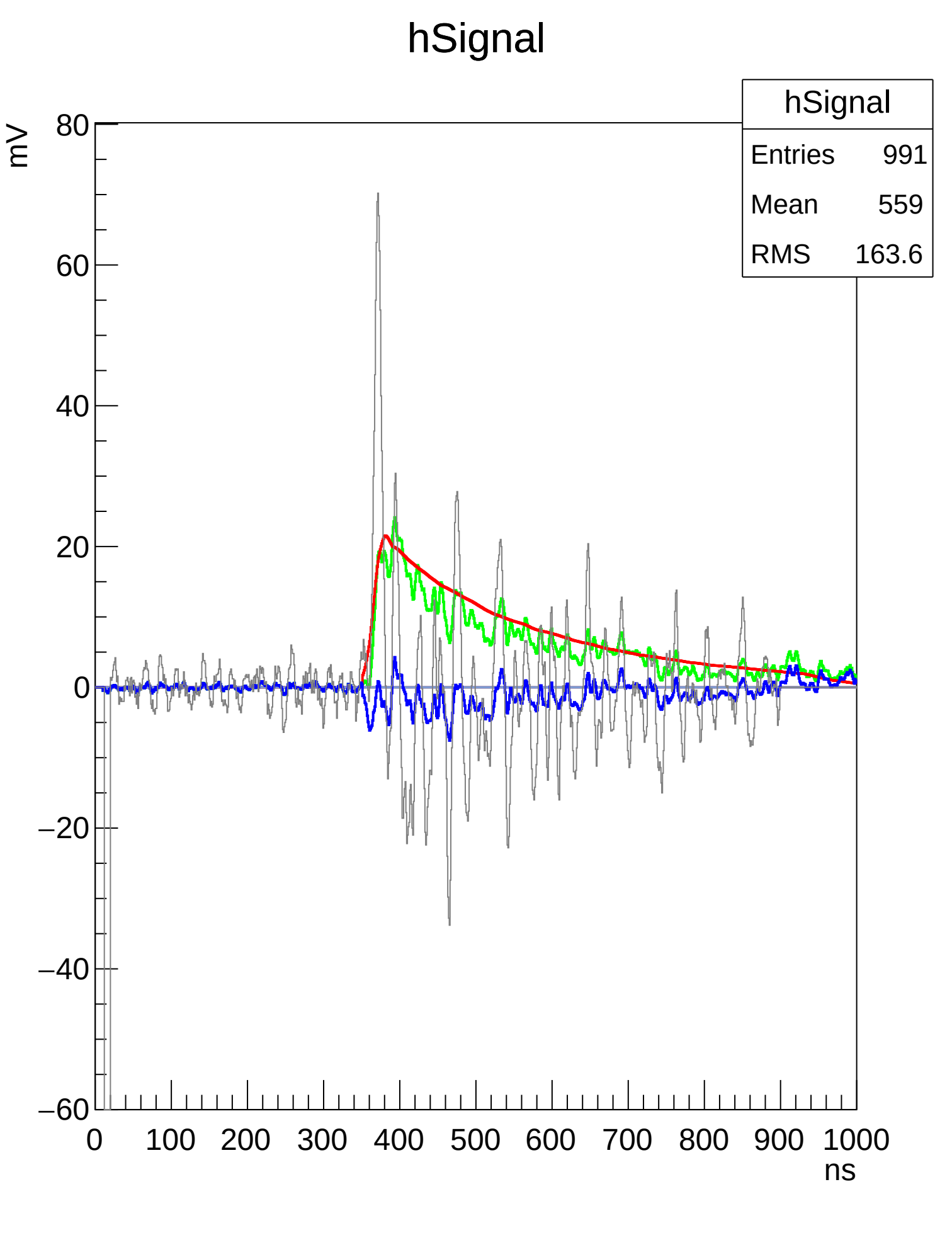
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559
RMS 163.6
mV
80
60
40
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0
−20
−40
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0
100
200
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400
500
600
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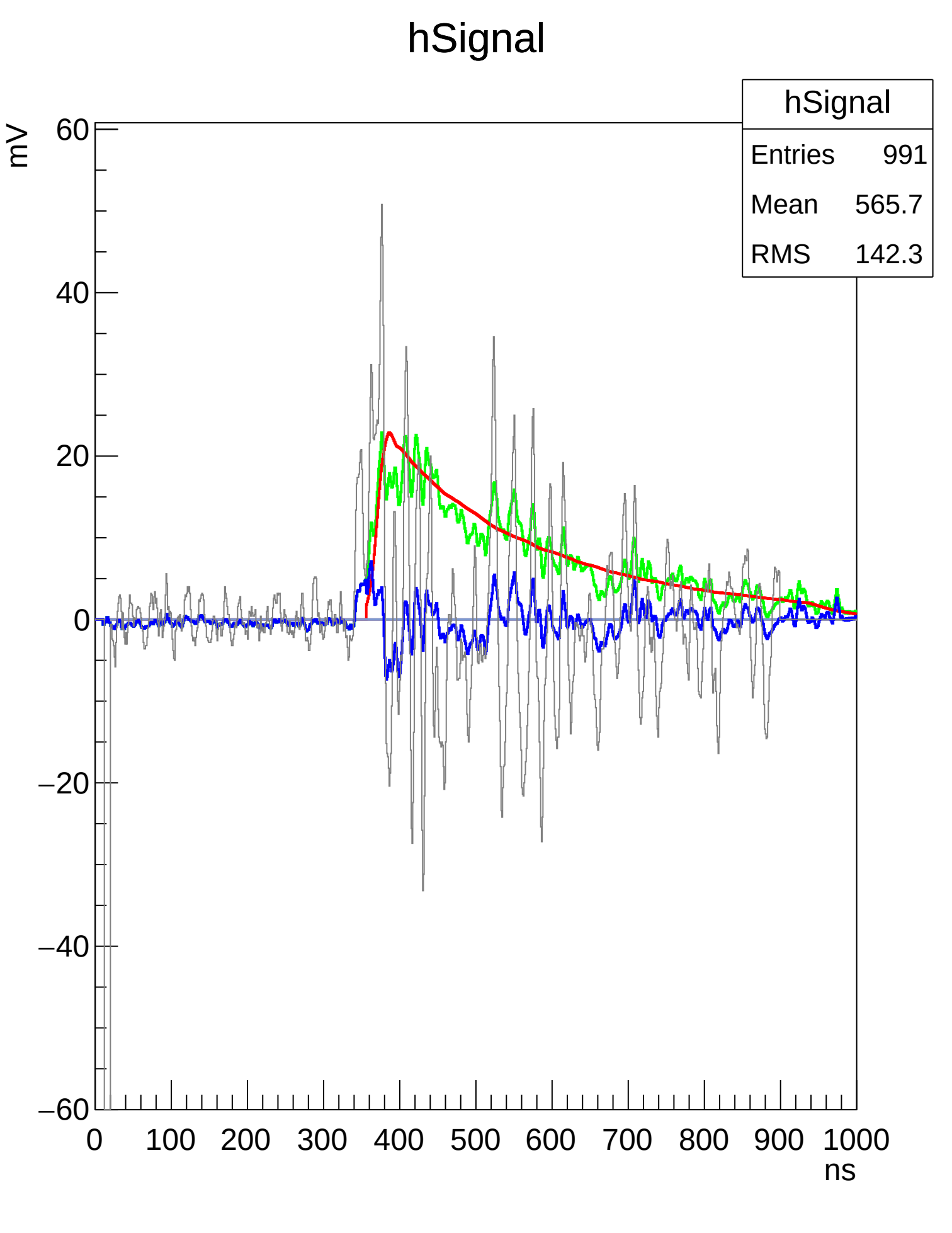
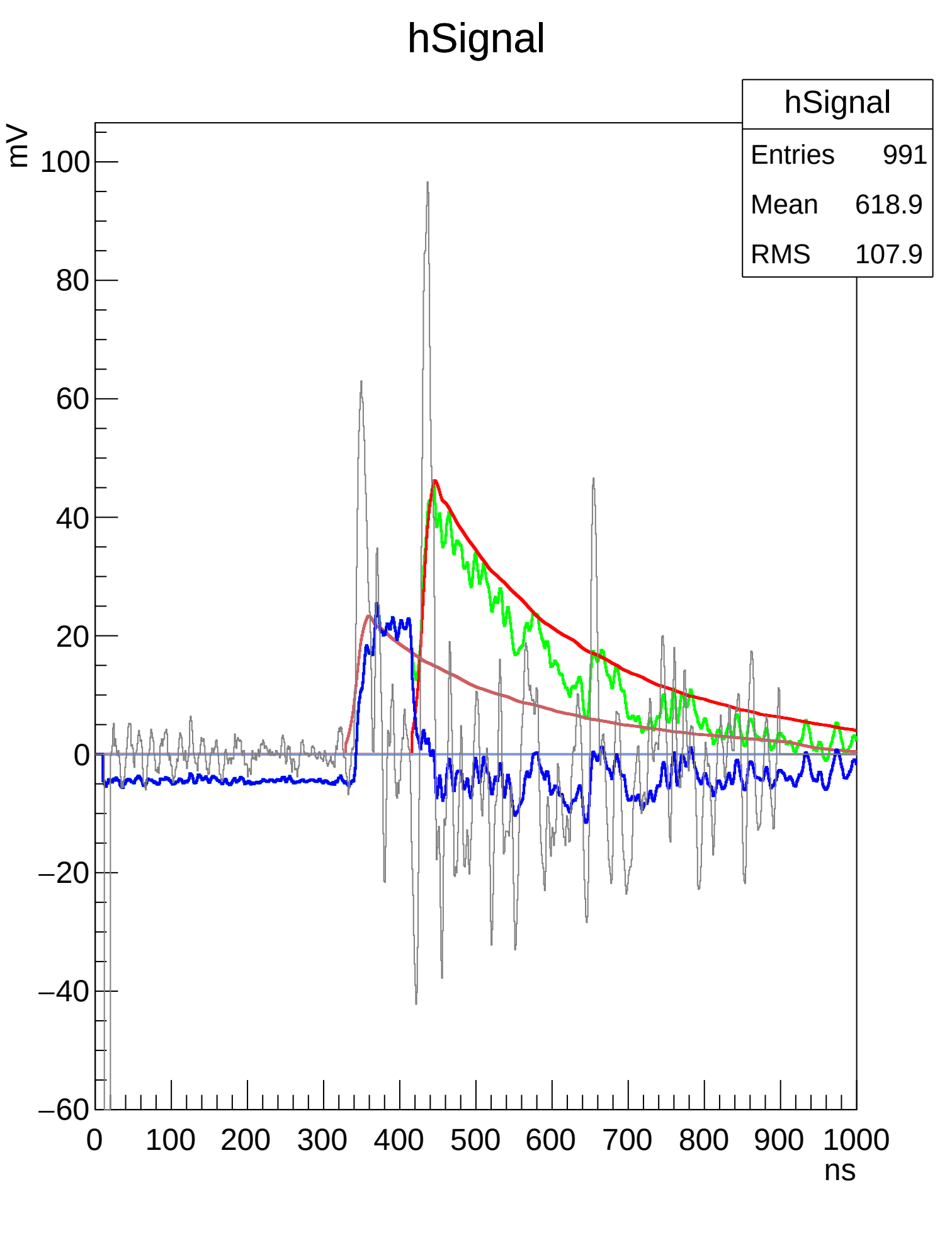
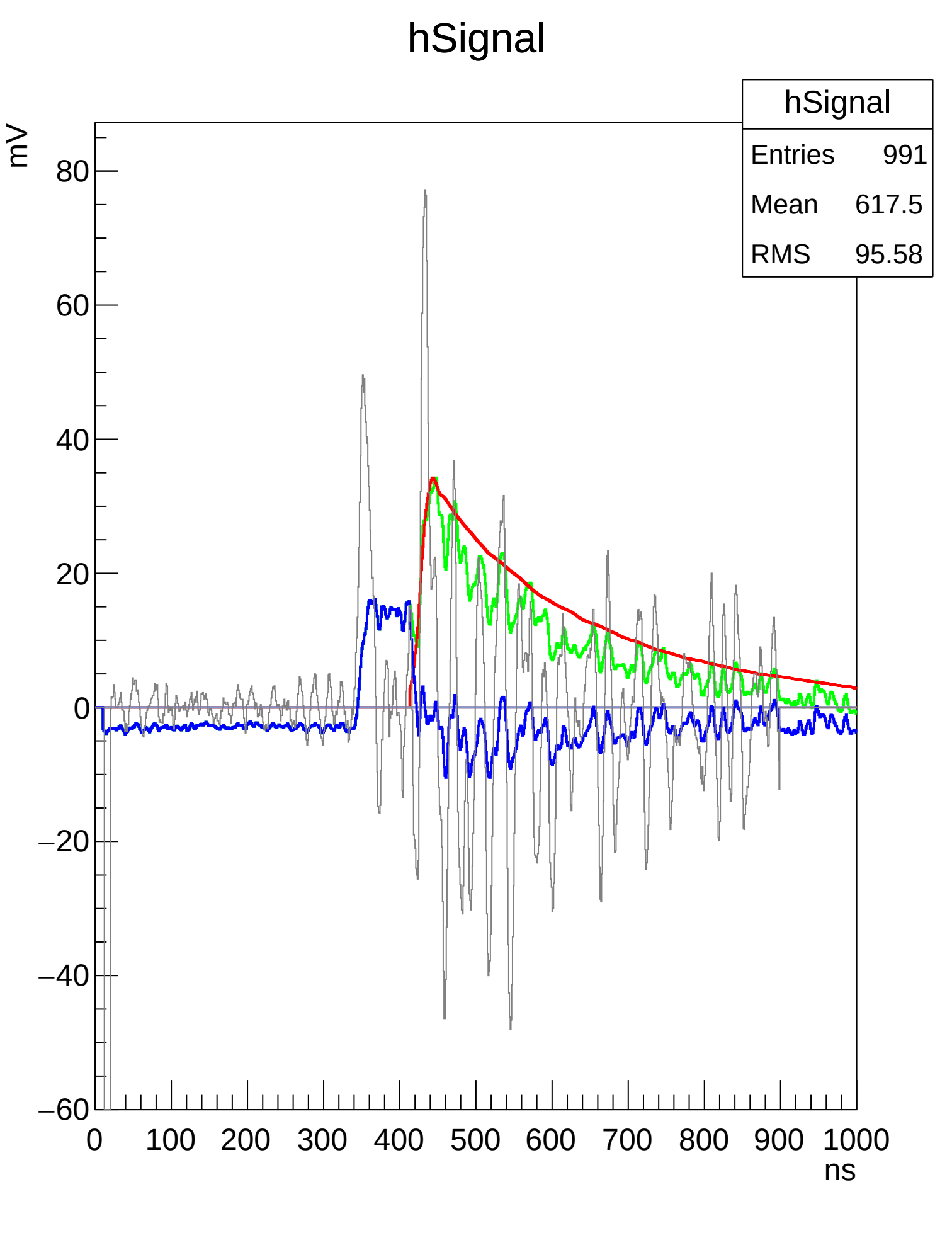
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.7
RMS 142.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.9
RMS 107.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.5
RMS 95.58
mV
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40
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−20
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0
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400
500
600
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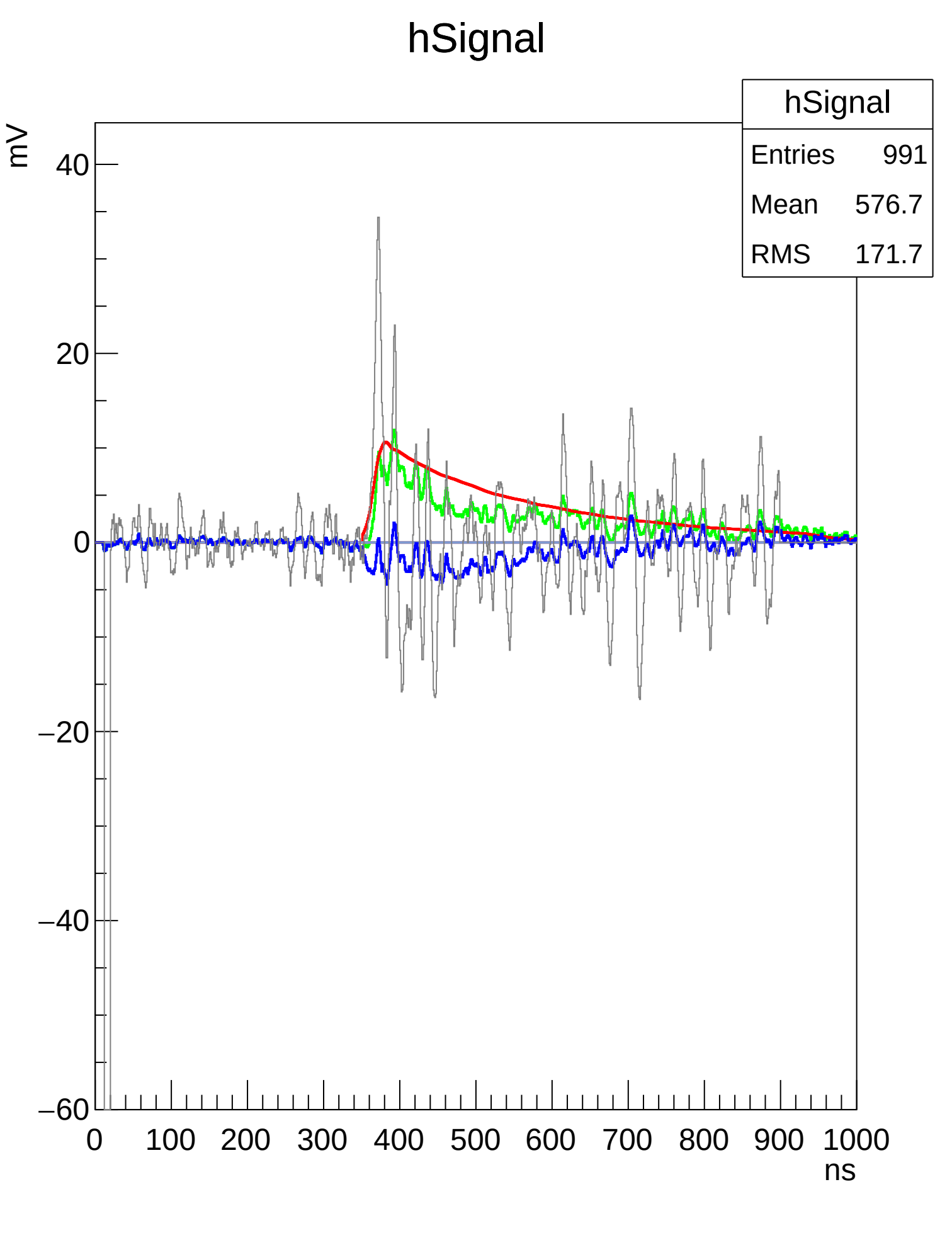
1000
ns


hSignal
hSignal
Entries 991
Mean 576.7
RMS 171.7
mV
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20
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−20
−40
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0
100
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600
700
800
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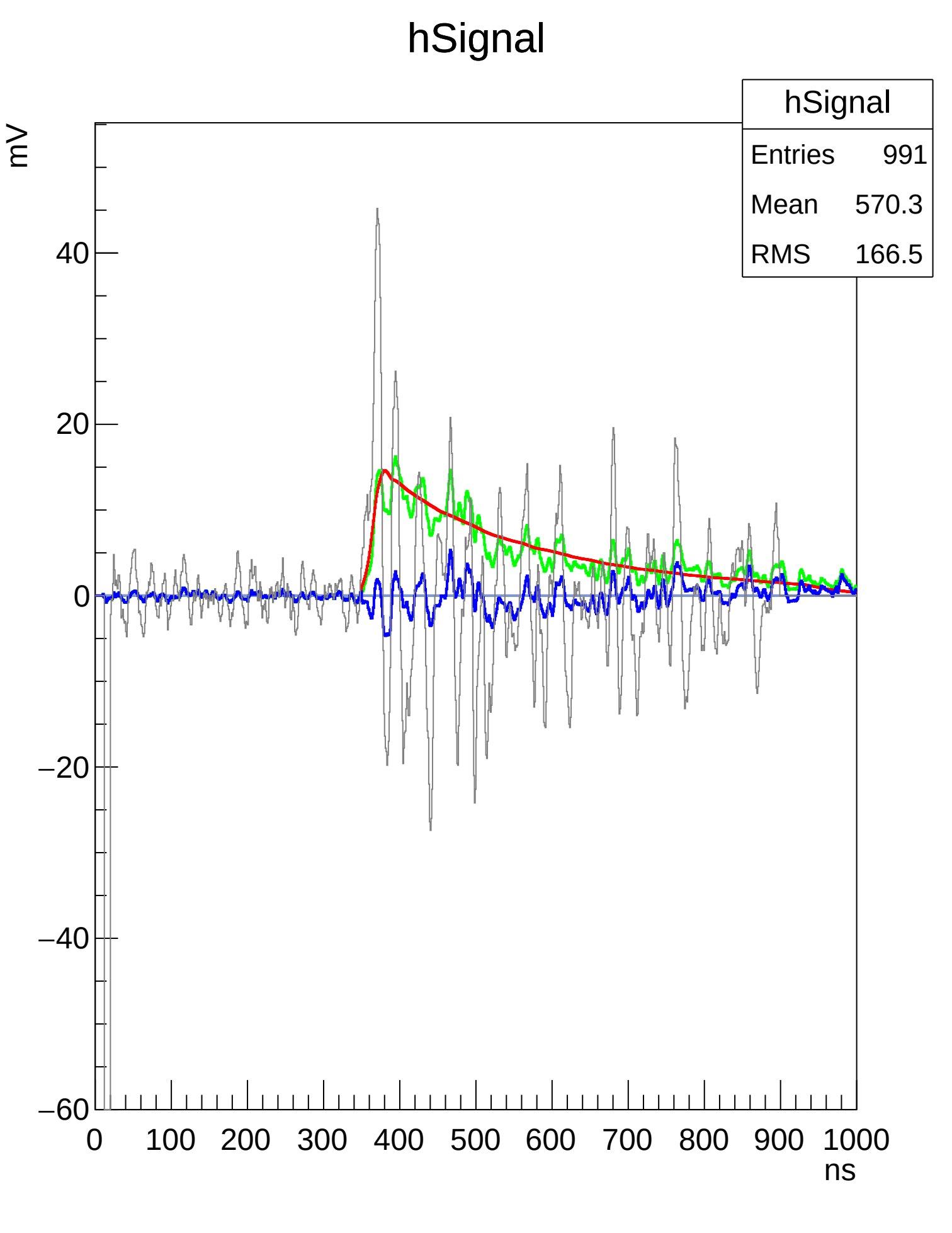
1000
ns


hSignal
hSignal
Entries 991
Mean 570.3
RMS 166.5
mV
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−20
−40
−60
0
100
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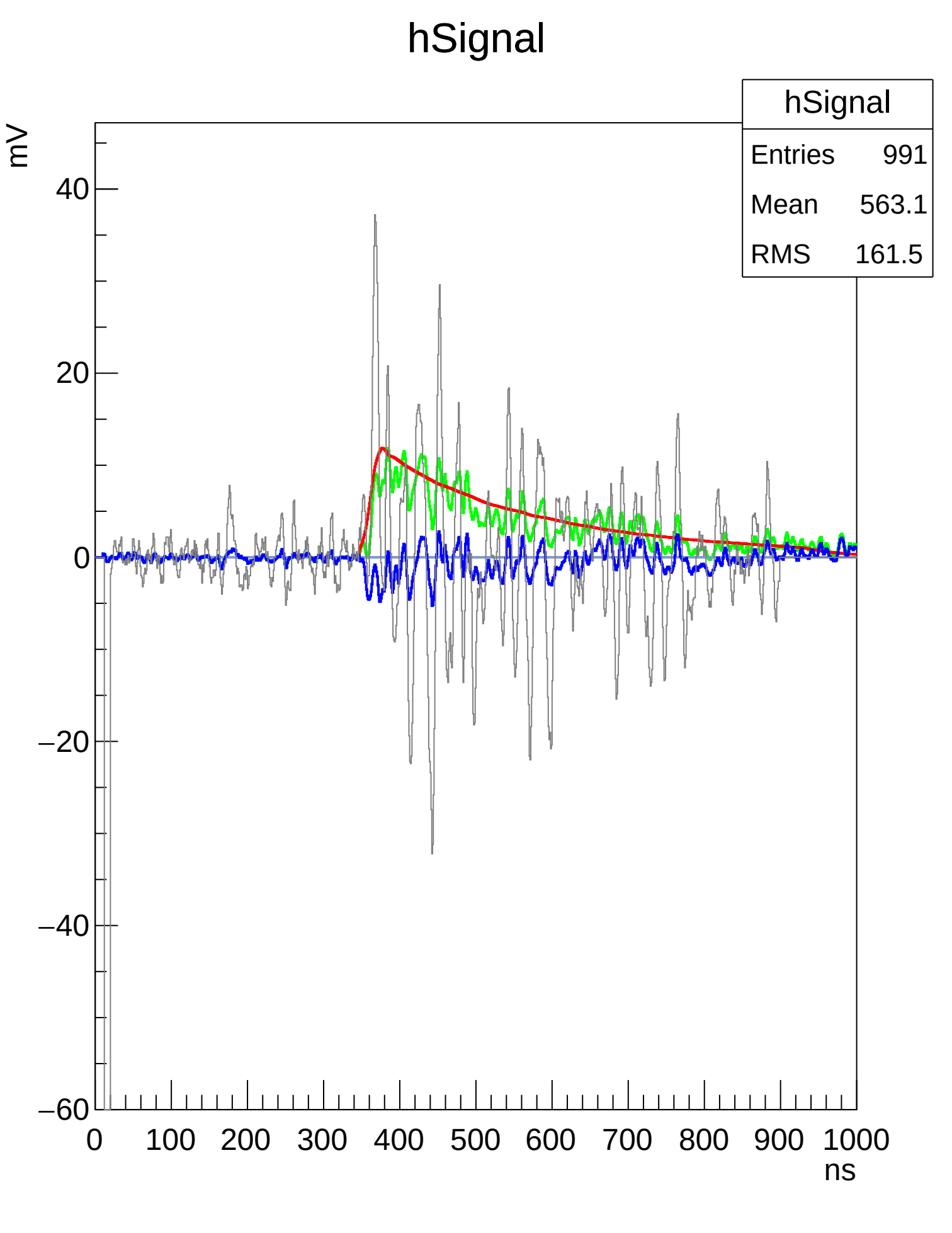
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.1
RMS 161.5
mV
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−20
−40
−60
0
100
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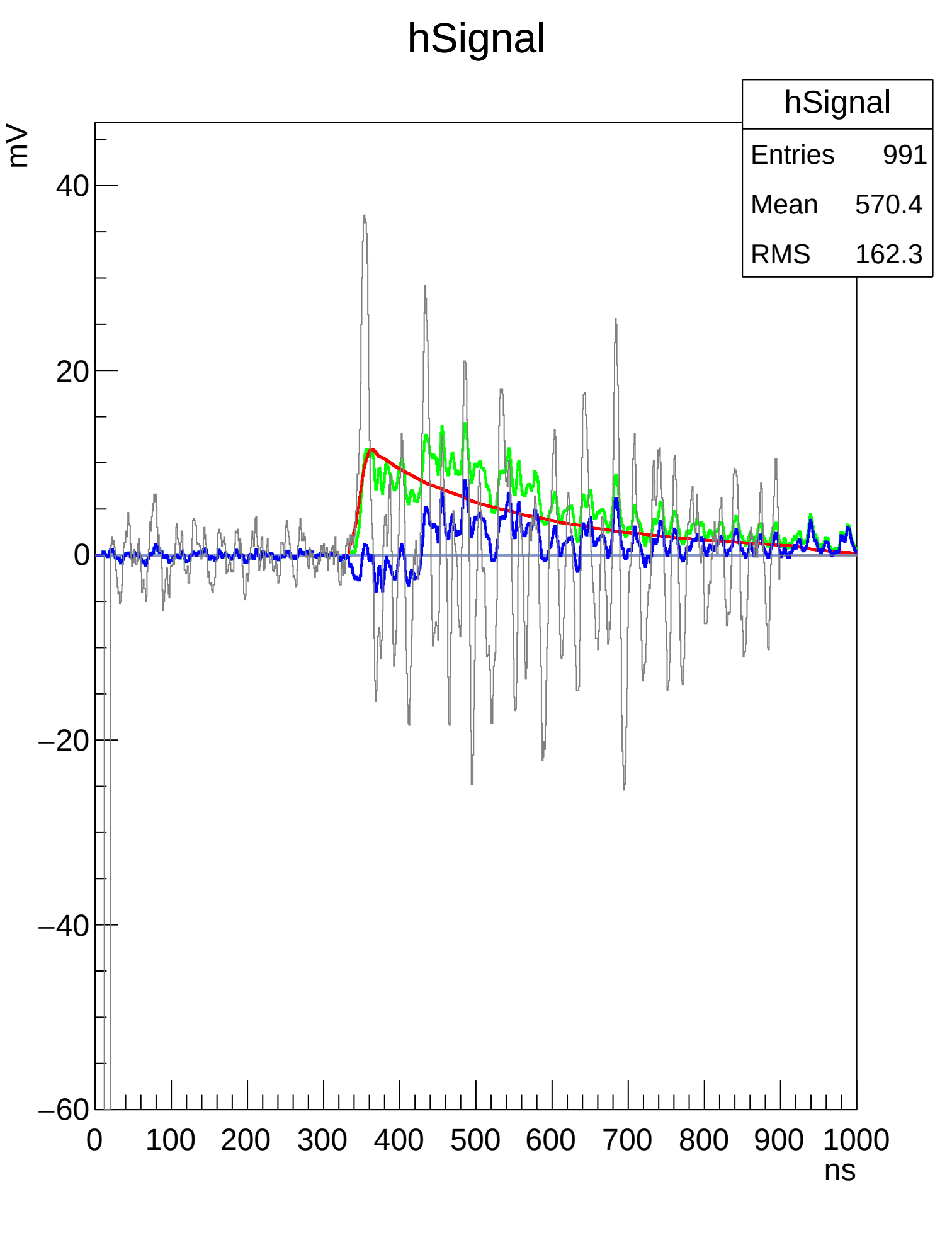
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.4
RMS 162.3
mV
40
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0
−20
−40
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0
100
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400
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600
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1000
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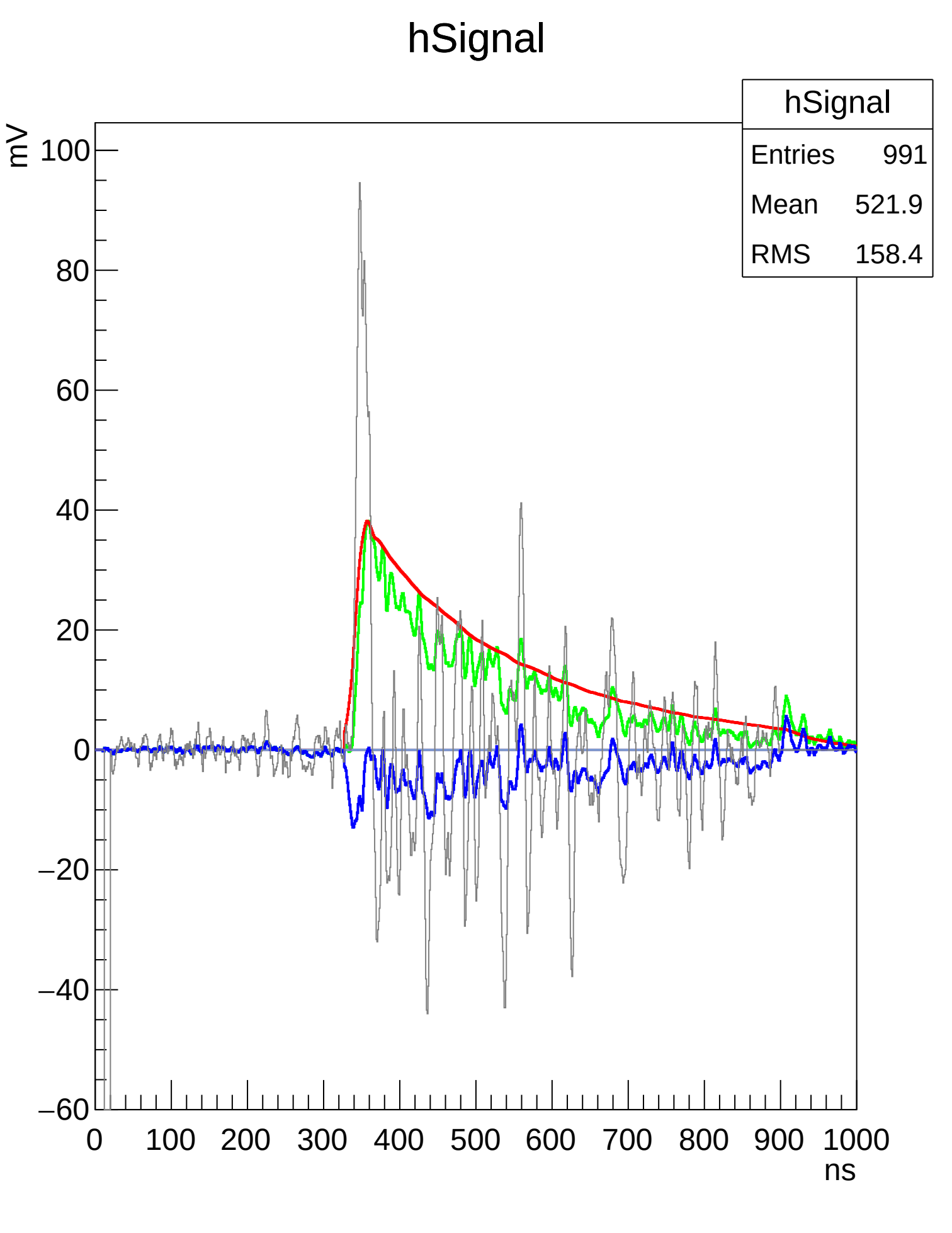
hSignal
hSignal
Entries 991
Mean 521.9
RMS 158.4
mV
100
80
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40
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−40
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0
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400
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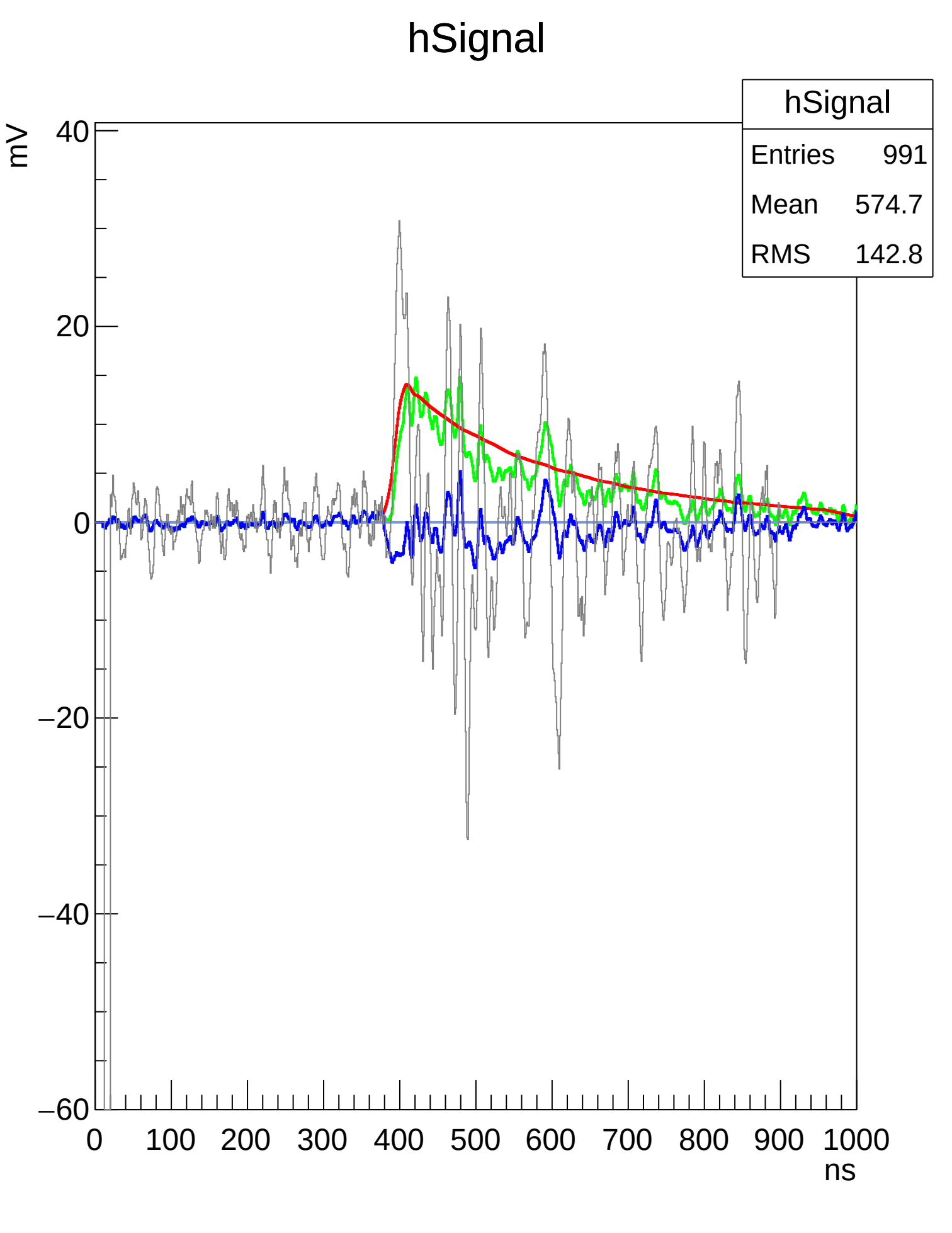
hSignal
hSignal
Entries 991
Mean 574.7
RMS 142.8
mV
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−20
−40
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0
100
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1000
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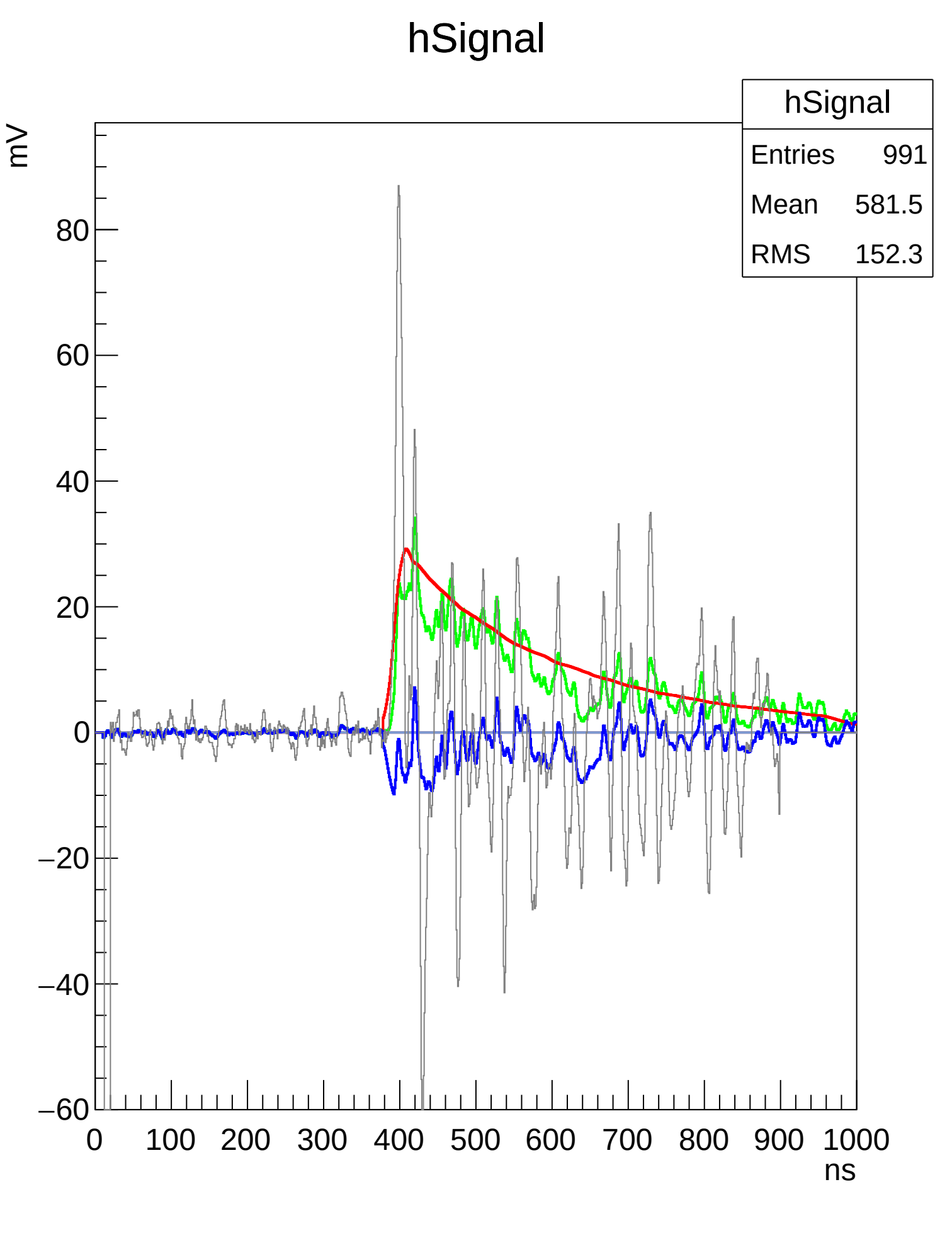
hSignal
hSignal
Entries 991
Mean 581.5
RMS 152.3
mV
80
60
40
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−20
−40
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0
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400
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600
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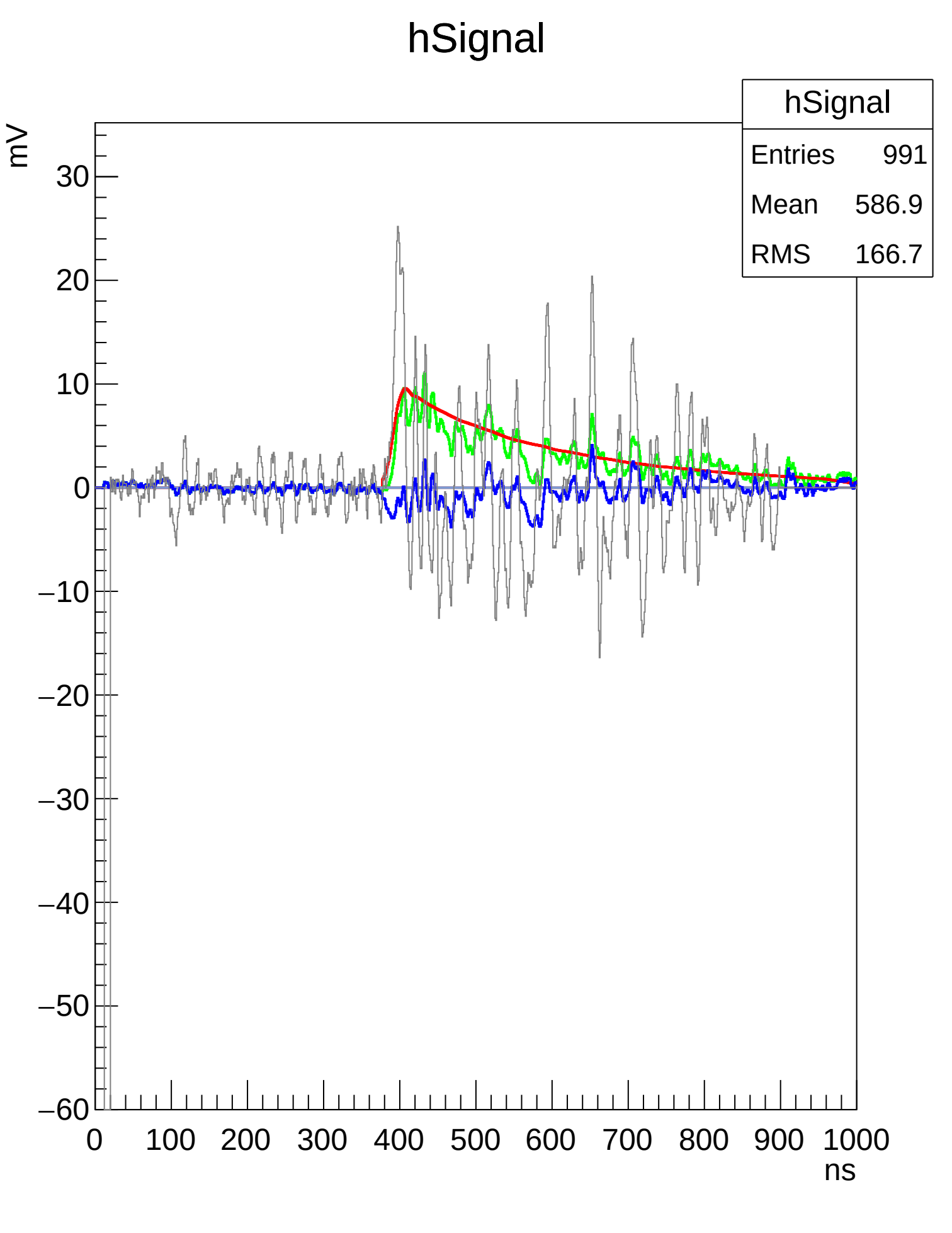
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.9
RMS 166.7
mV
30
20
10
0
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−50
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0
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200
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400
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800
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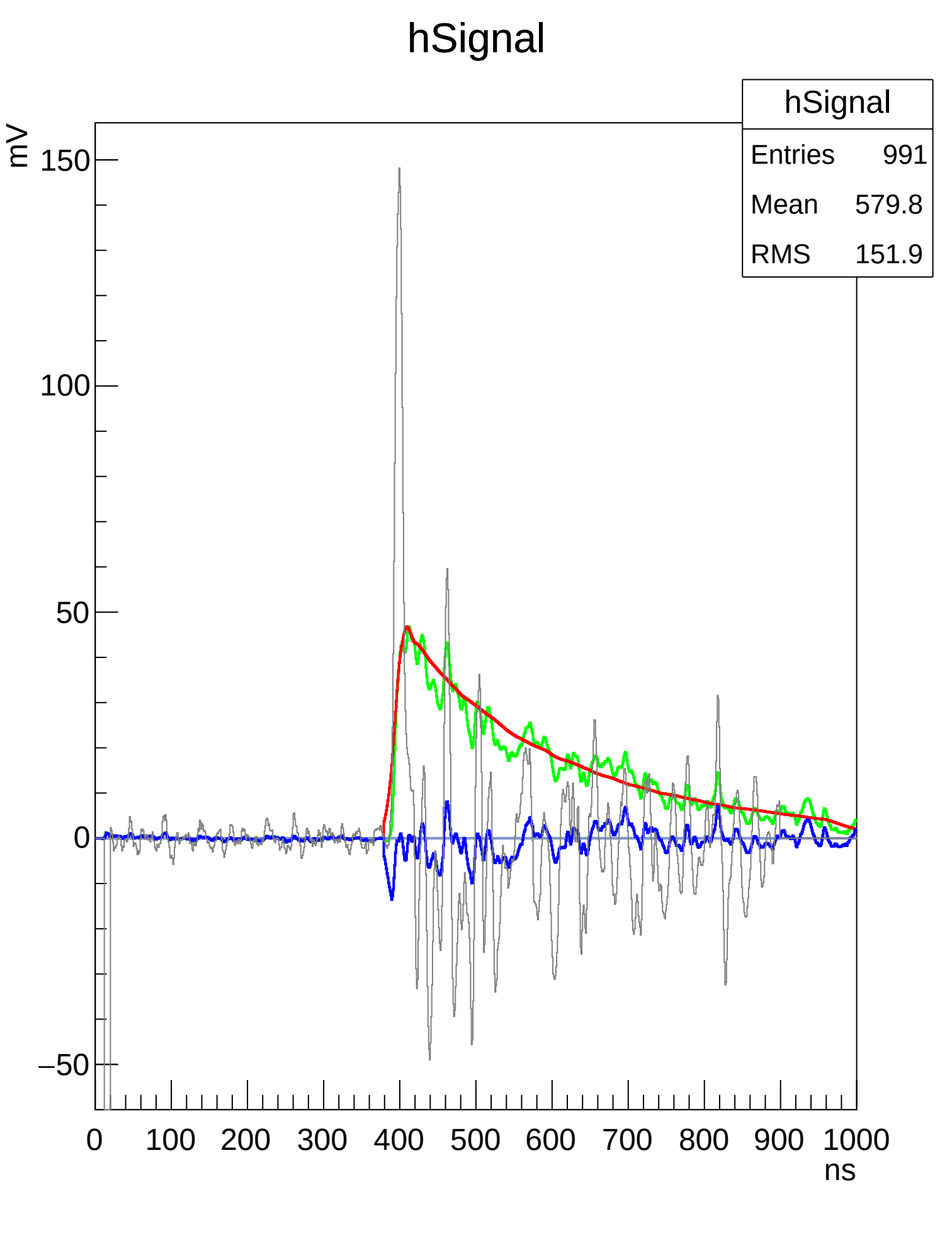
1000
ns


hSignal
hSignal
Entries 991
Mean 579.8
RMS 151.9
mV
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50
0
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0
100
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300
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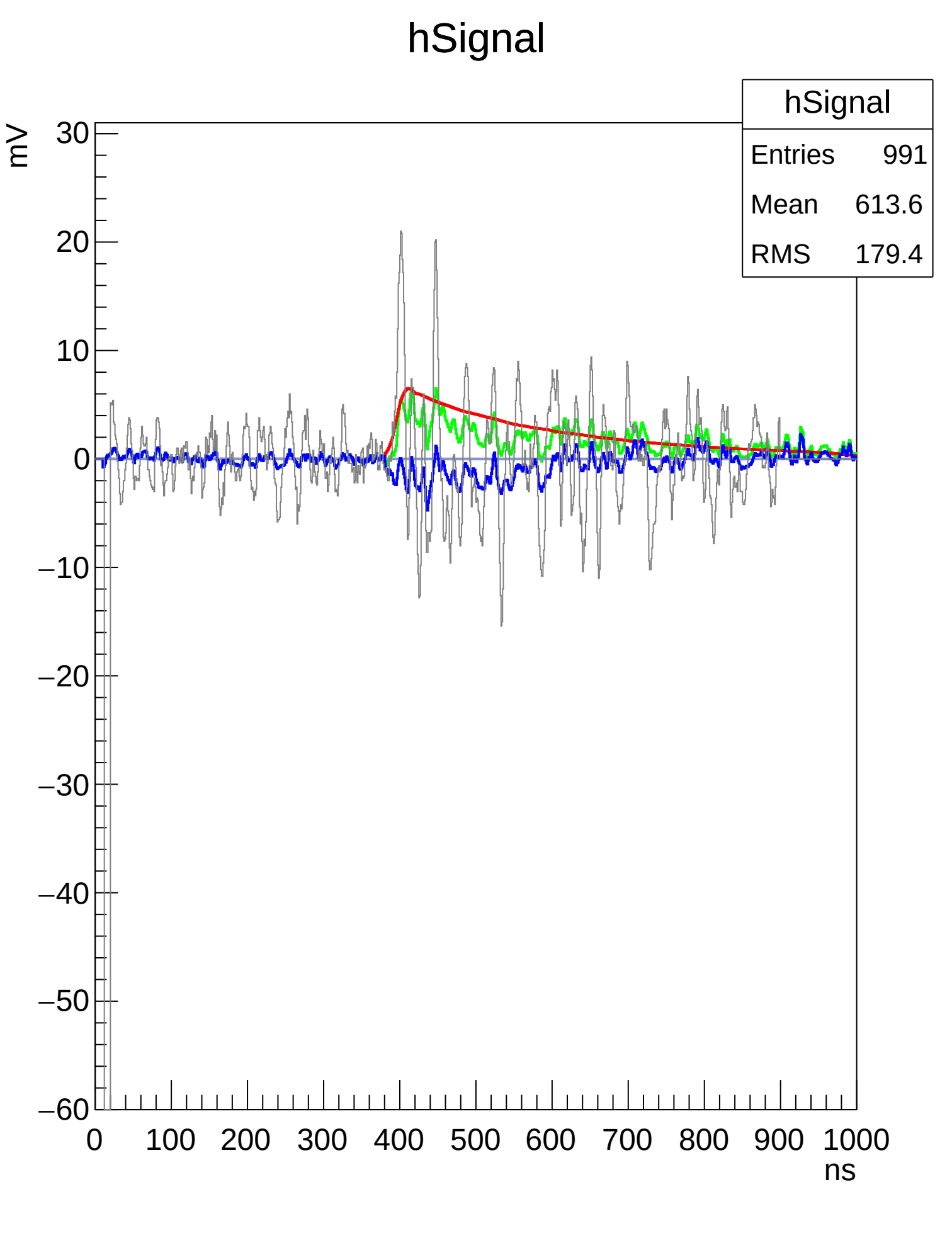
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.6
RMS 179.4
mV
30
20
10
0
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0
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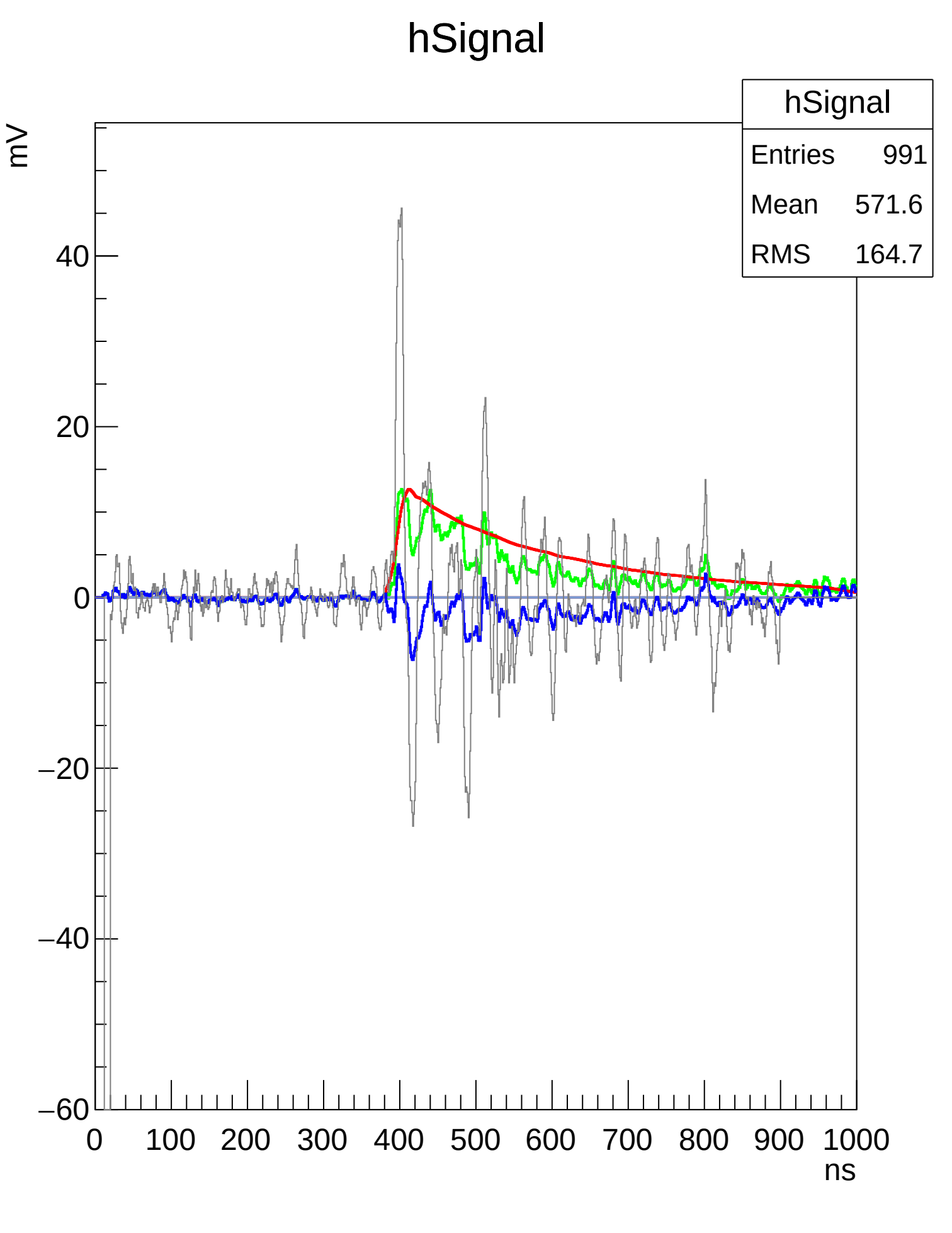
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.6
RMS 164.7
mV
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−20
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0
100
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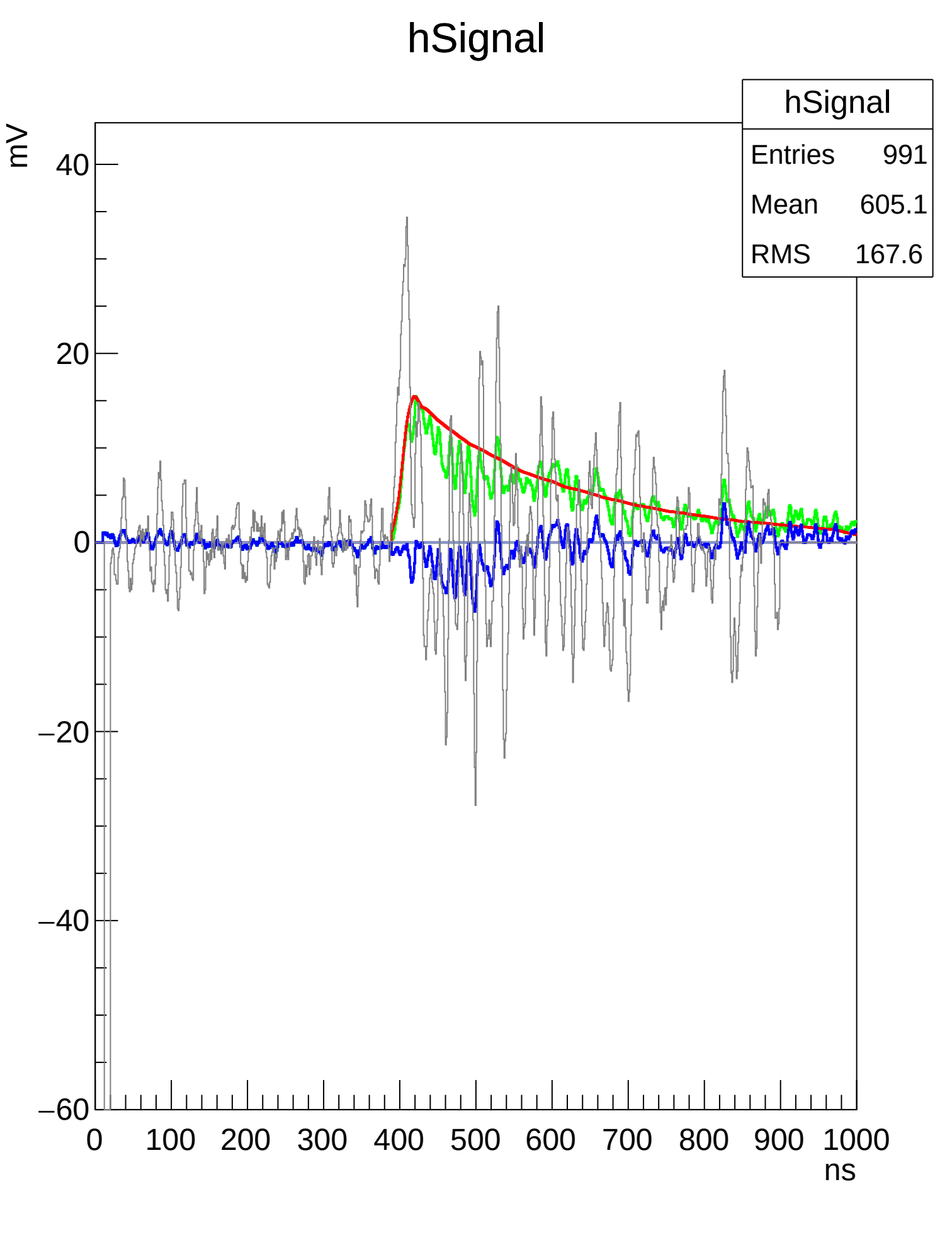
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.1
RMS 167.6
mV
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−20
−40
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0
100
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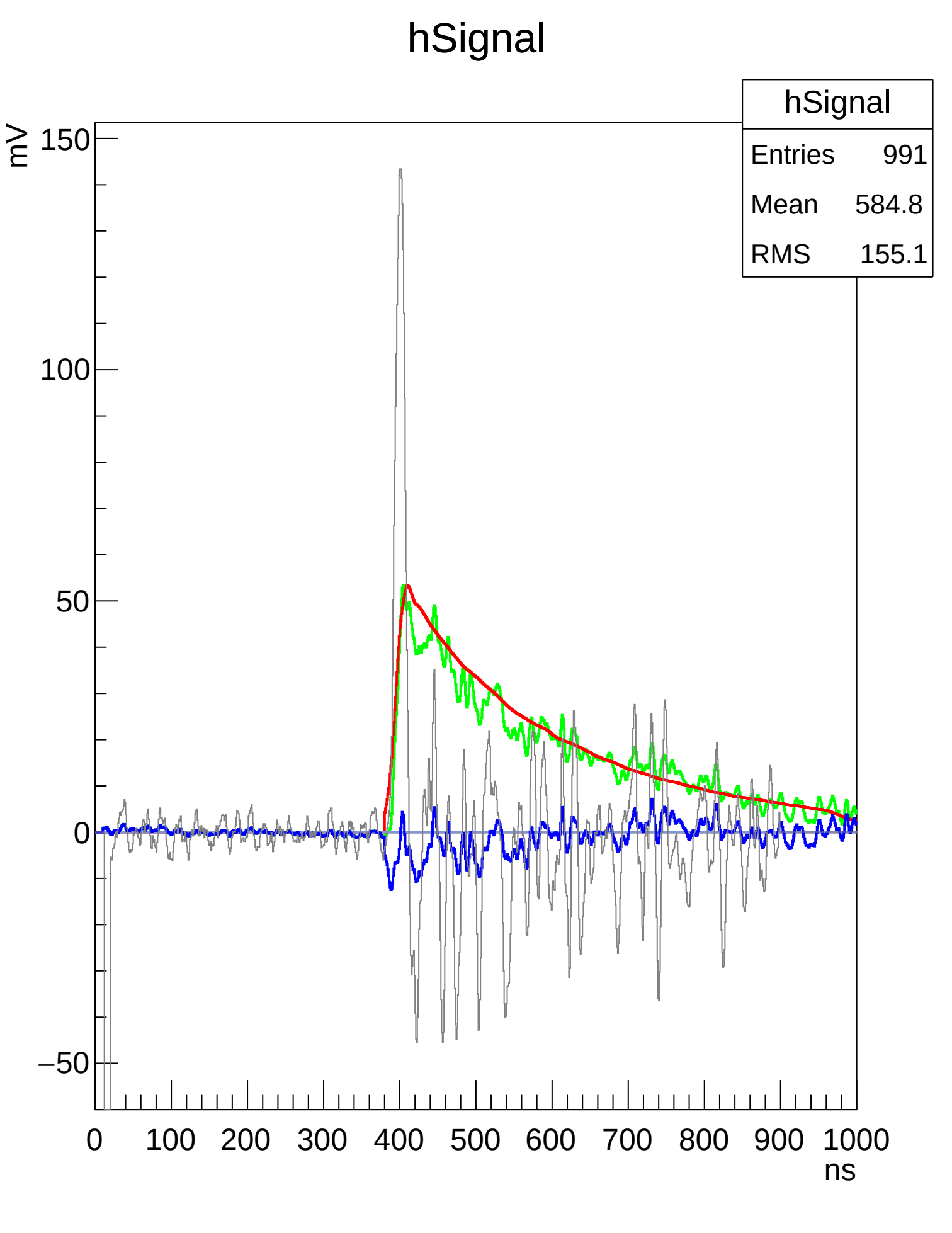
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.8
RMS 155.1
mV
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100
50
0
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0
100
200
300
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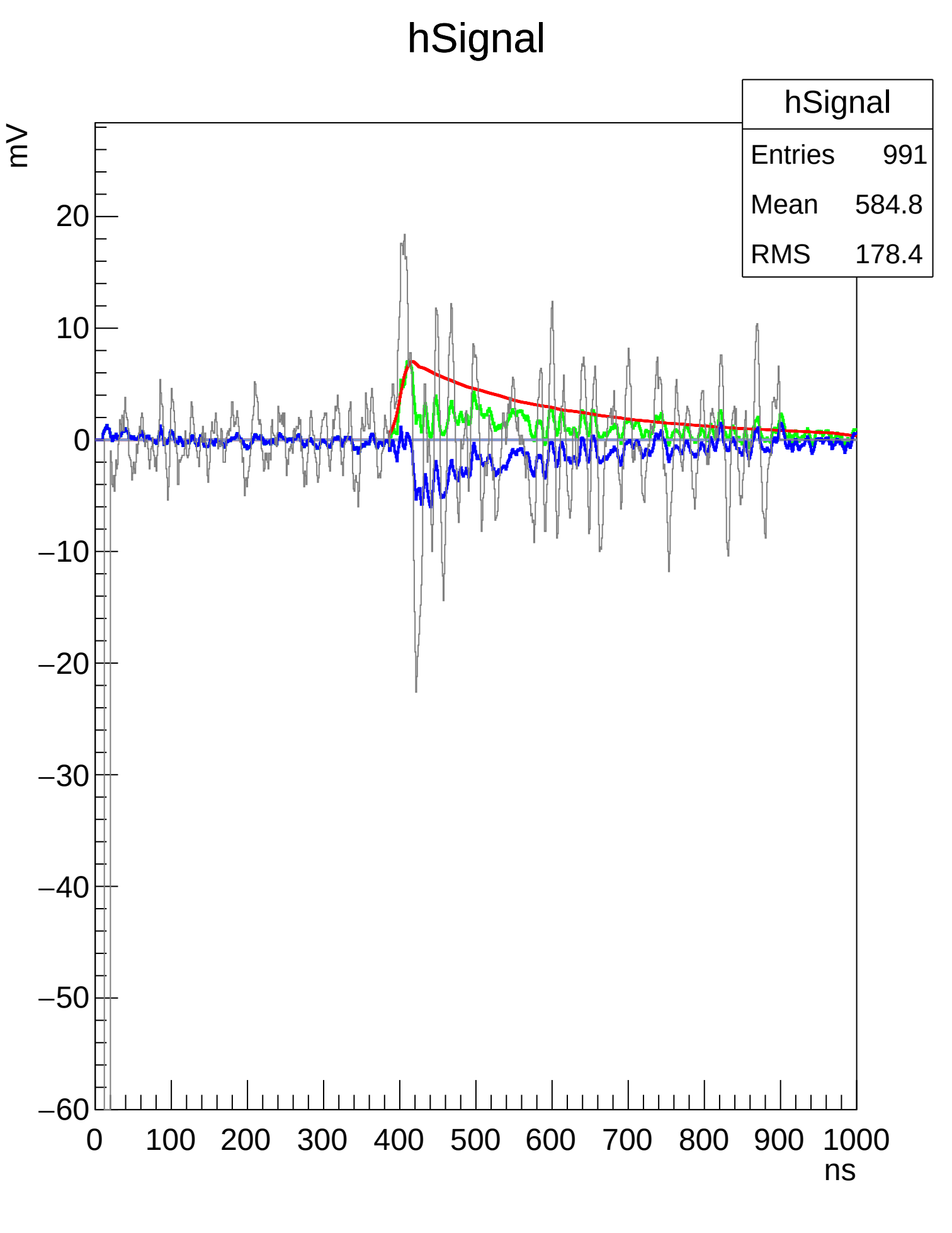
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.8
RMS 178.4
mV
20
10
0
−10
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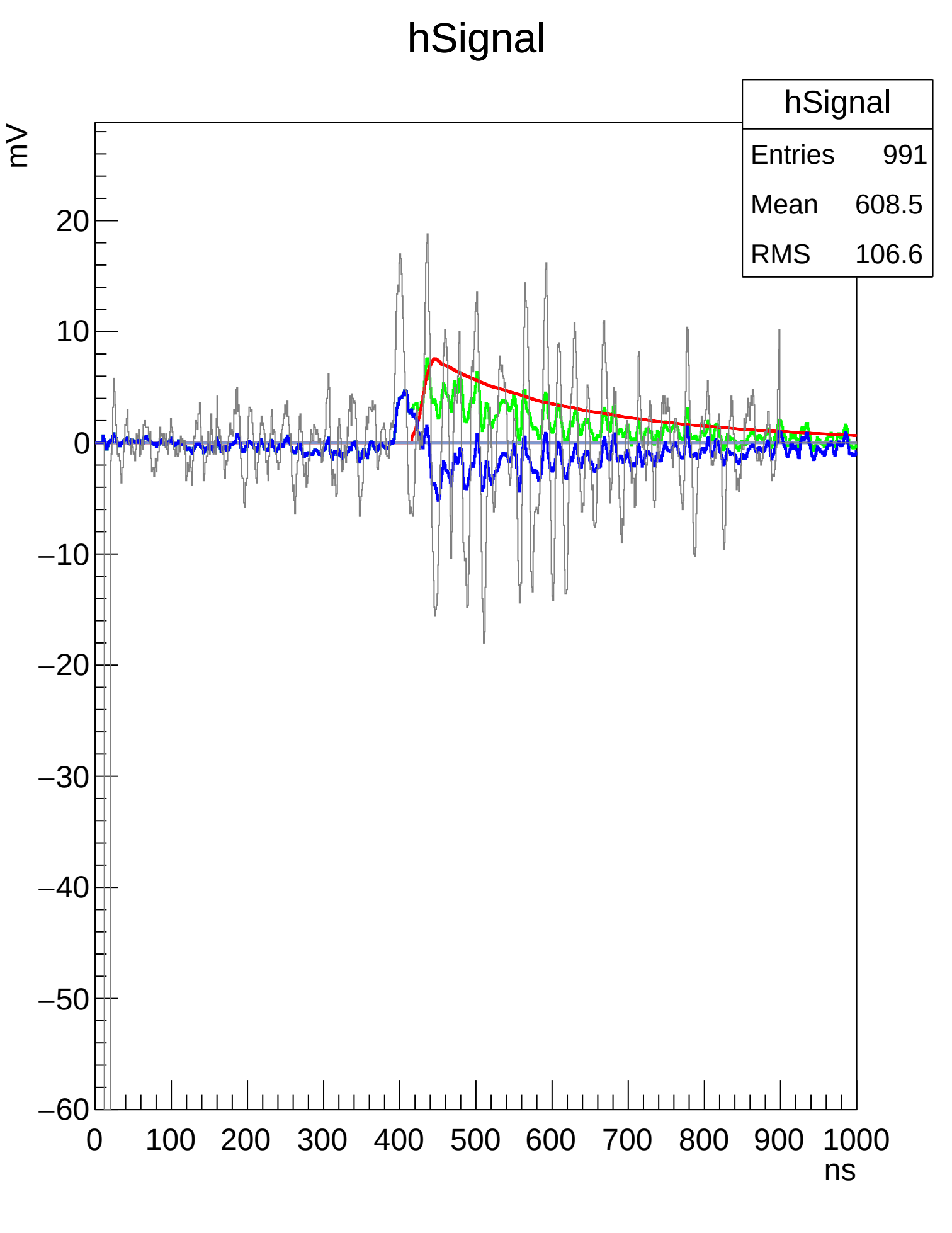
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.5
RMS 106.6
mV
20
10
0
−10
−20
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−40
−50
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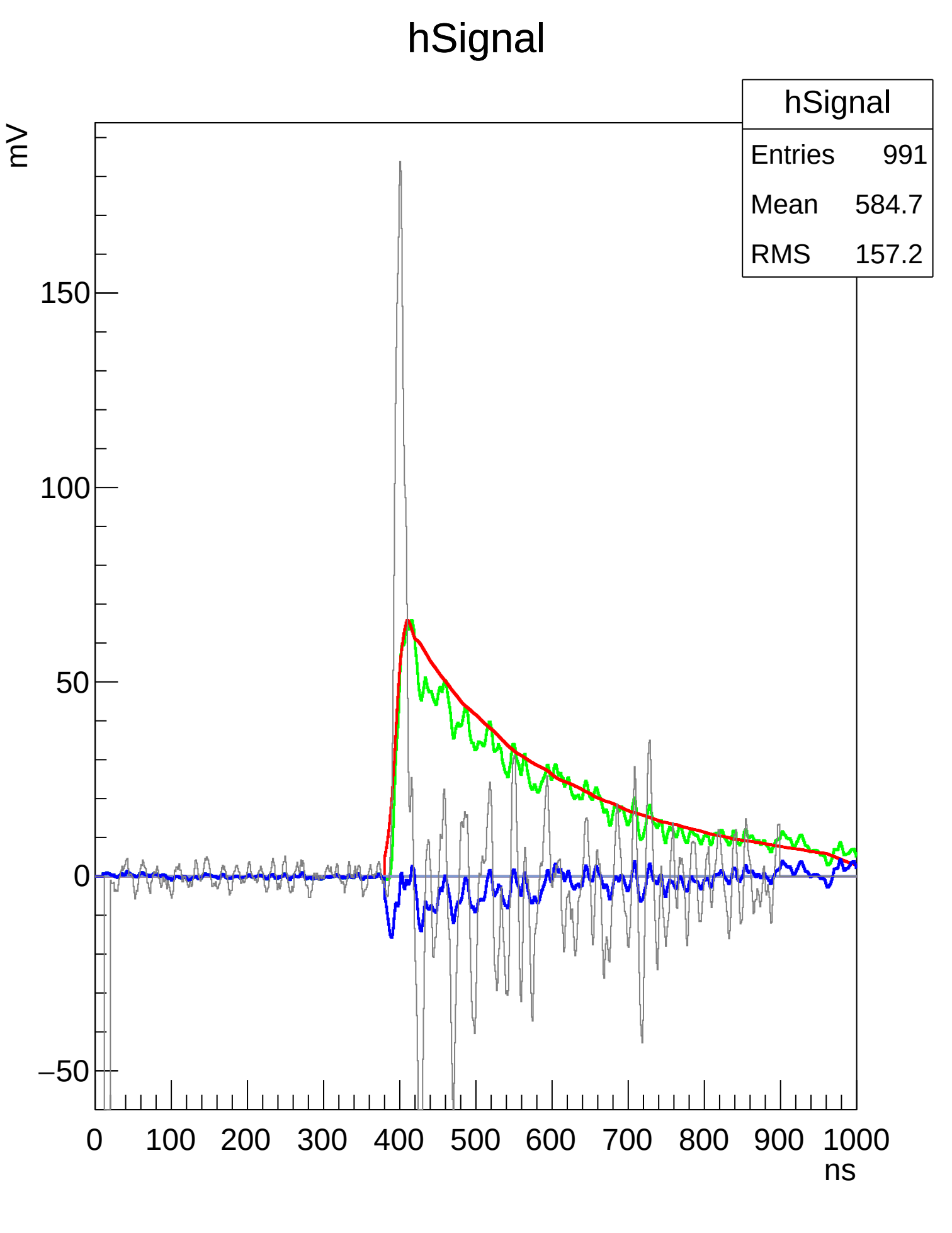
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.7
RMS 157.2
mV
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100
50
0
−50
0
100
200
300
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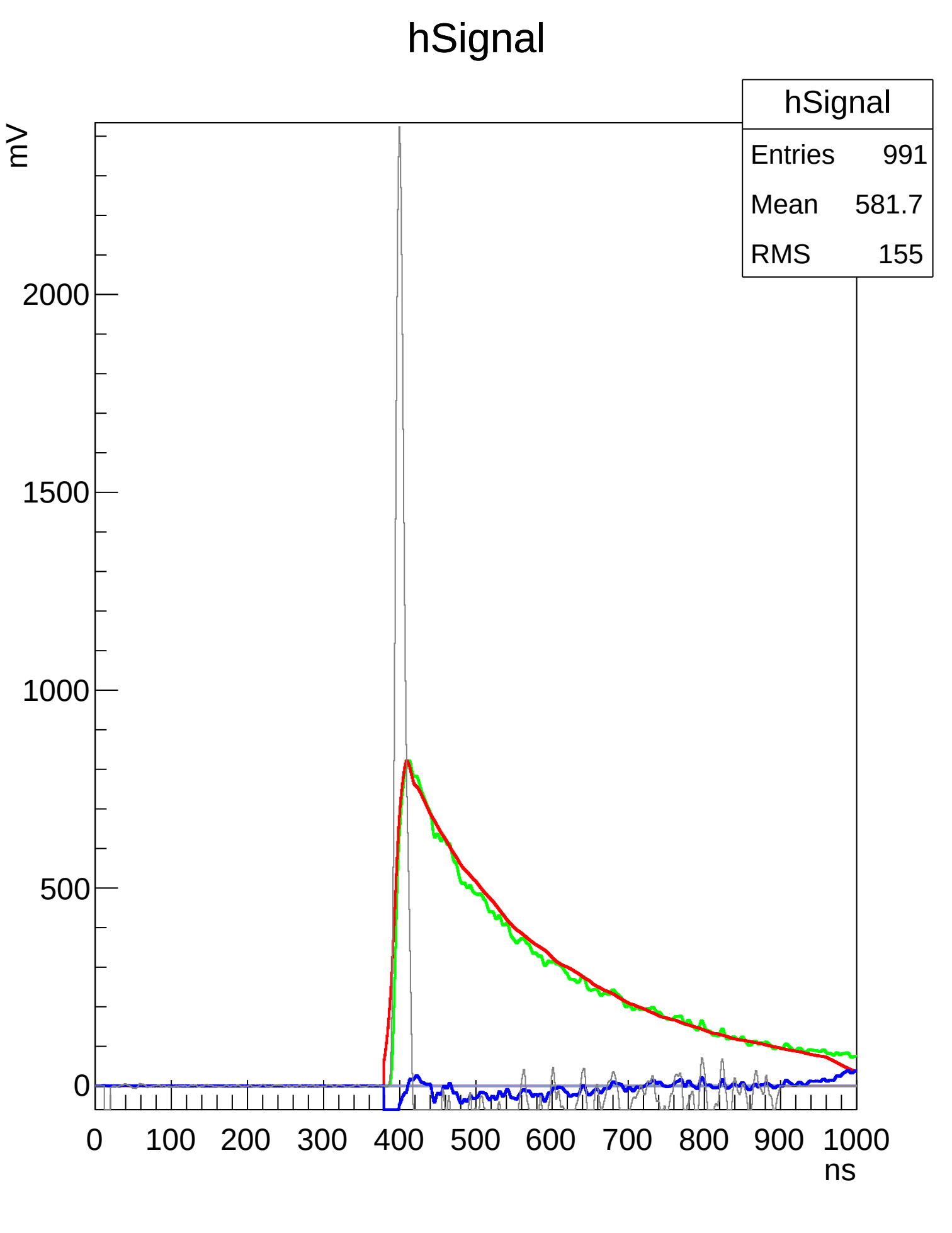
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.7
RMS 155
mV
2000
1500
1000
500
0
0
100
200
300
400
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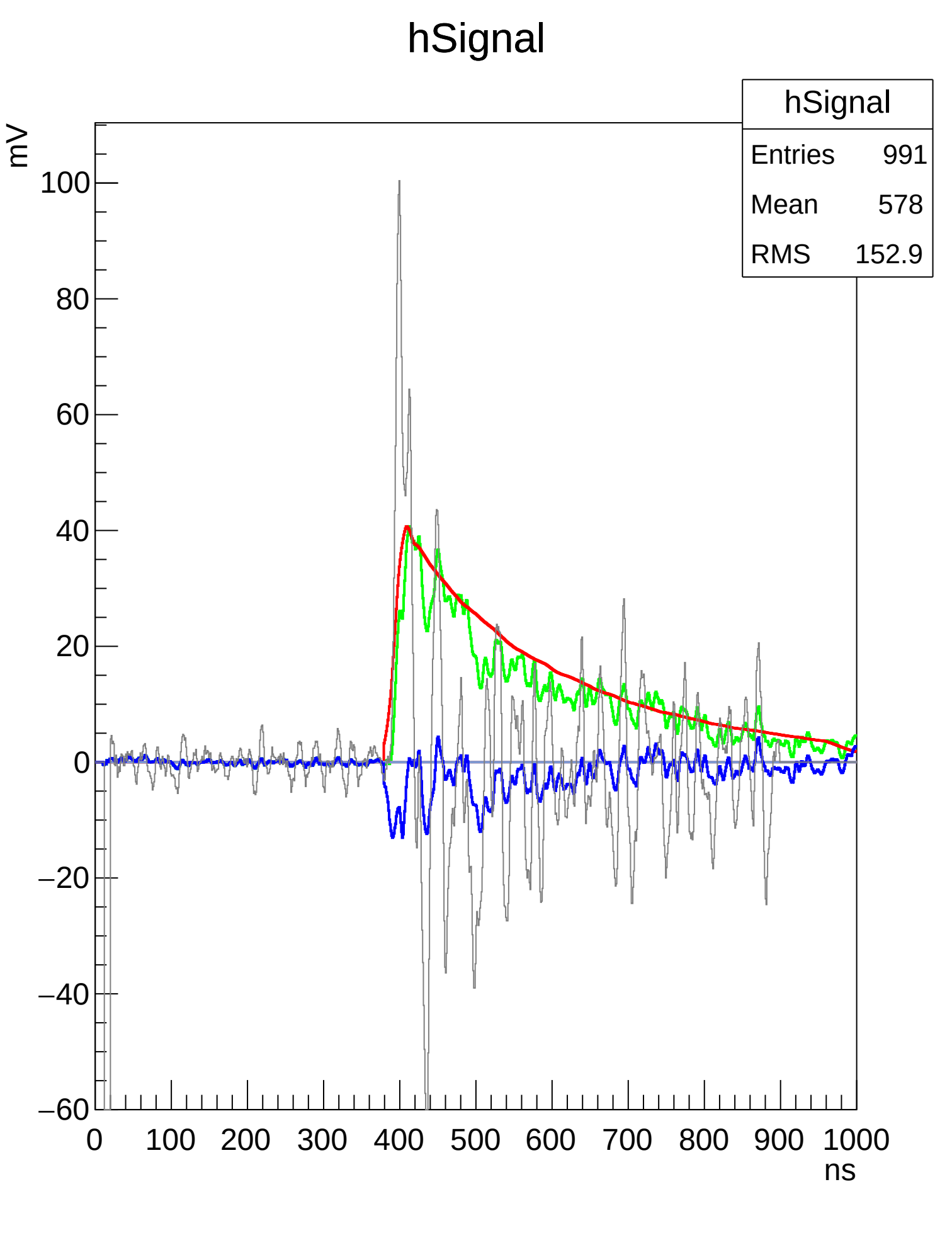
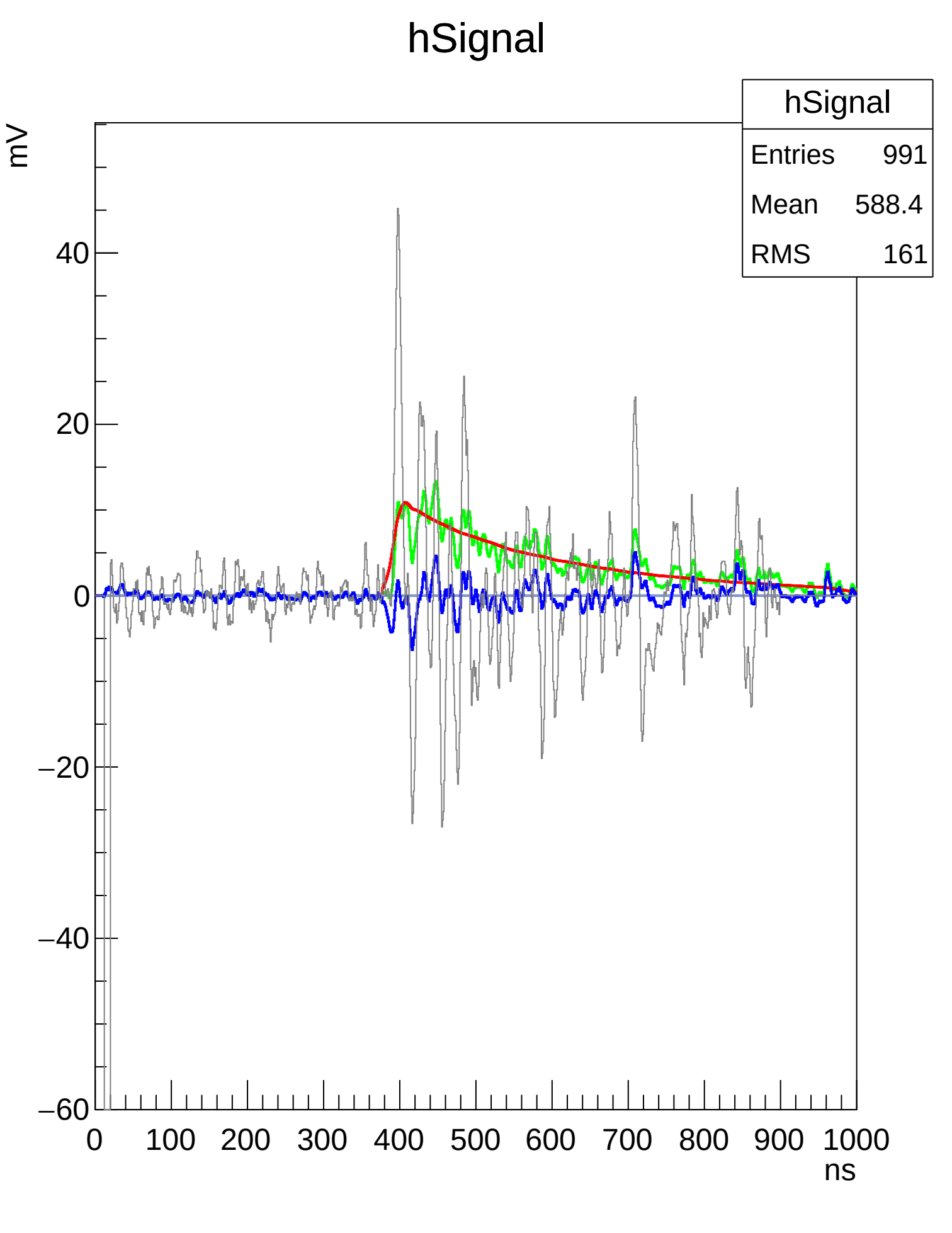
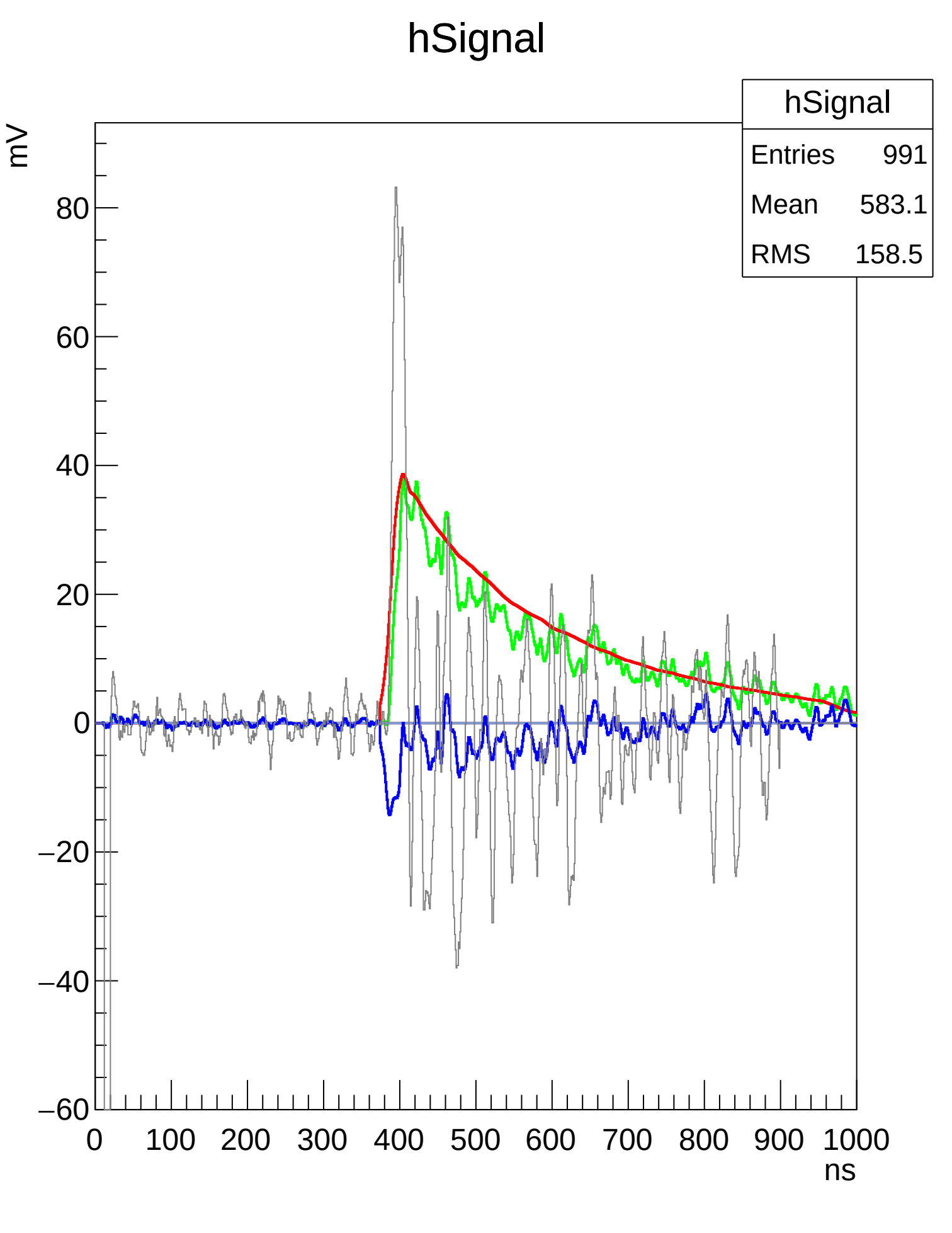
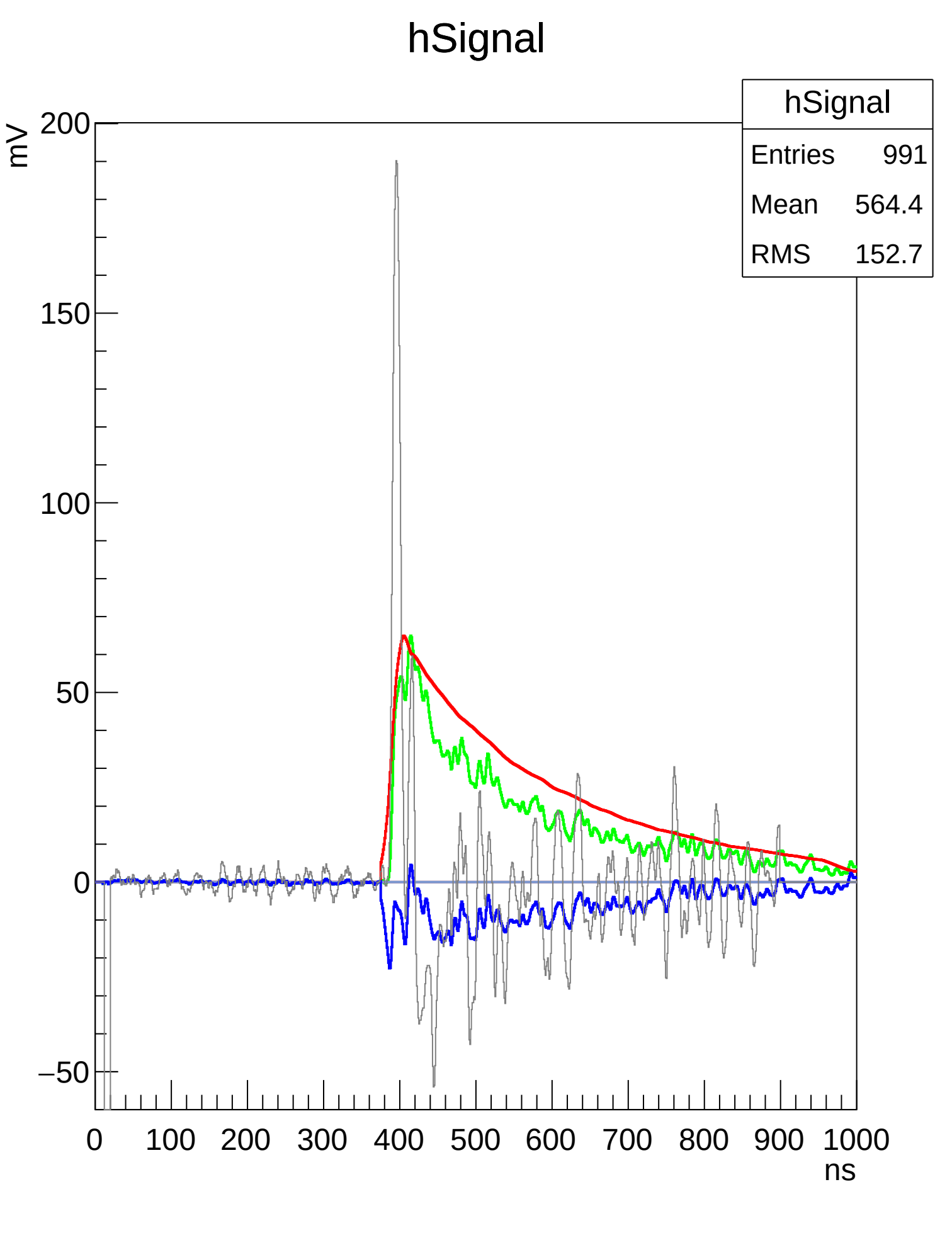
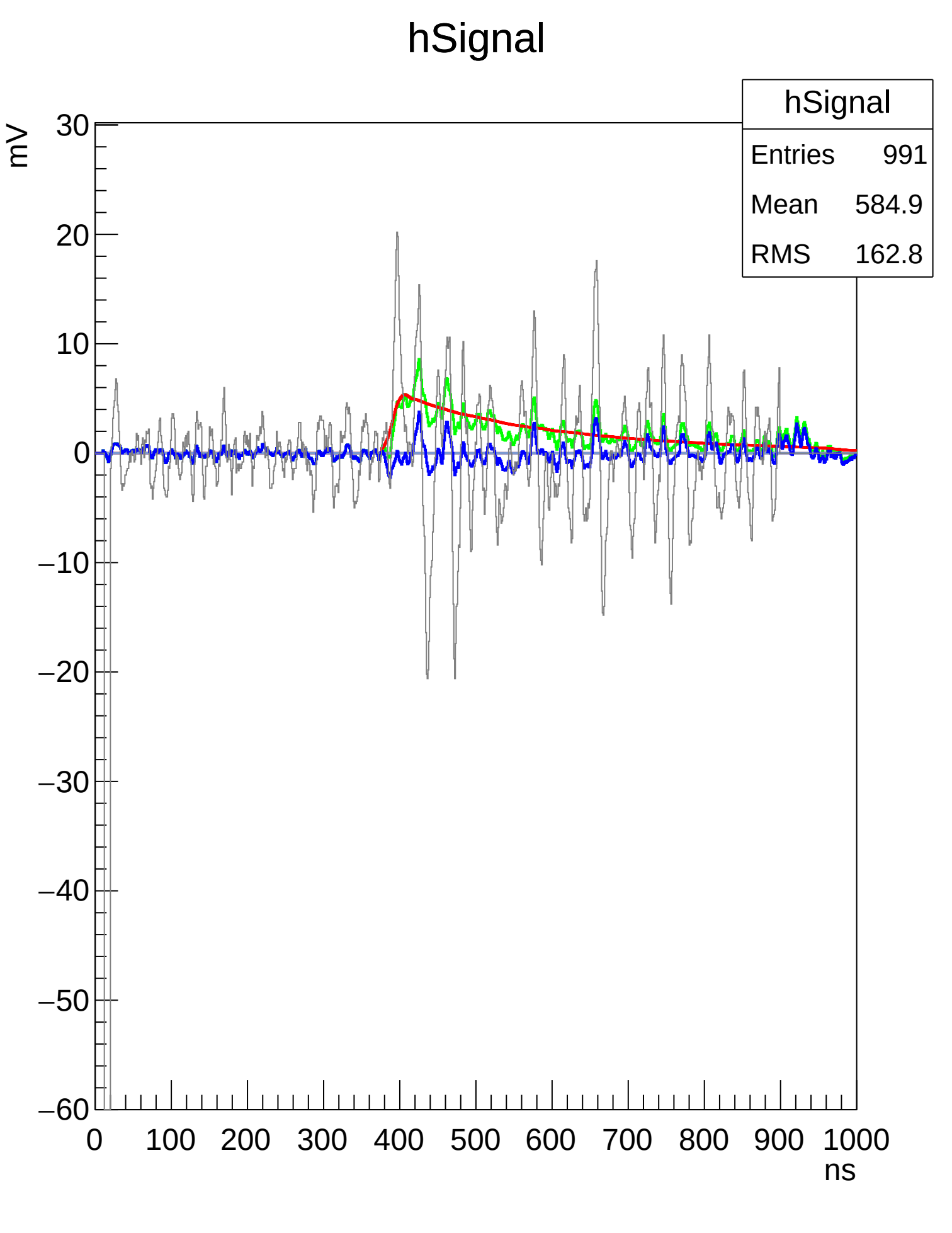
600
700
800
900
1000
ns

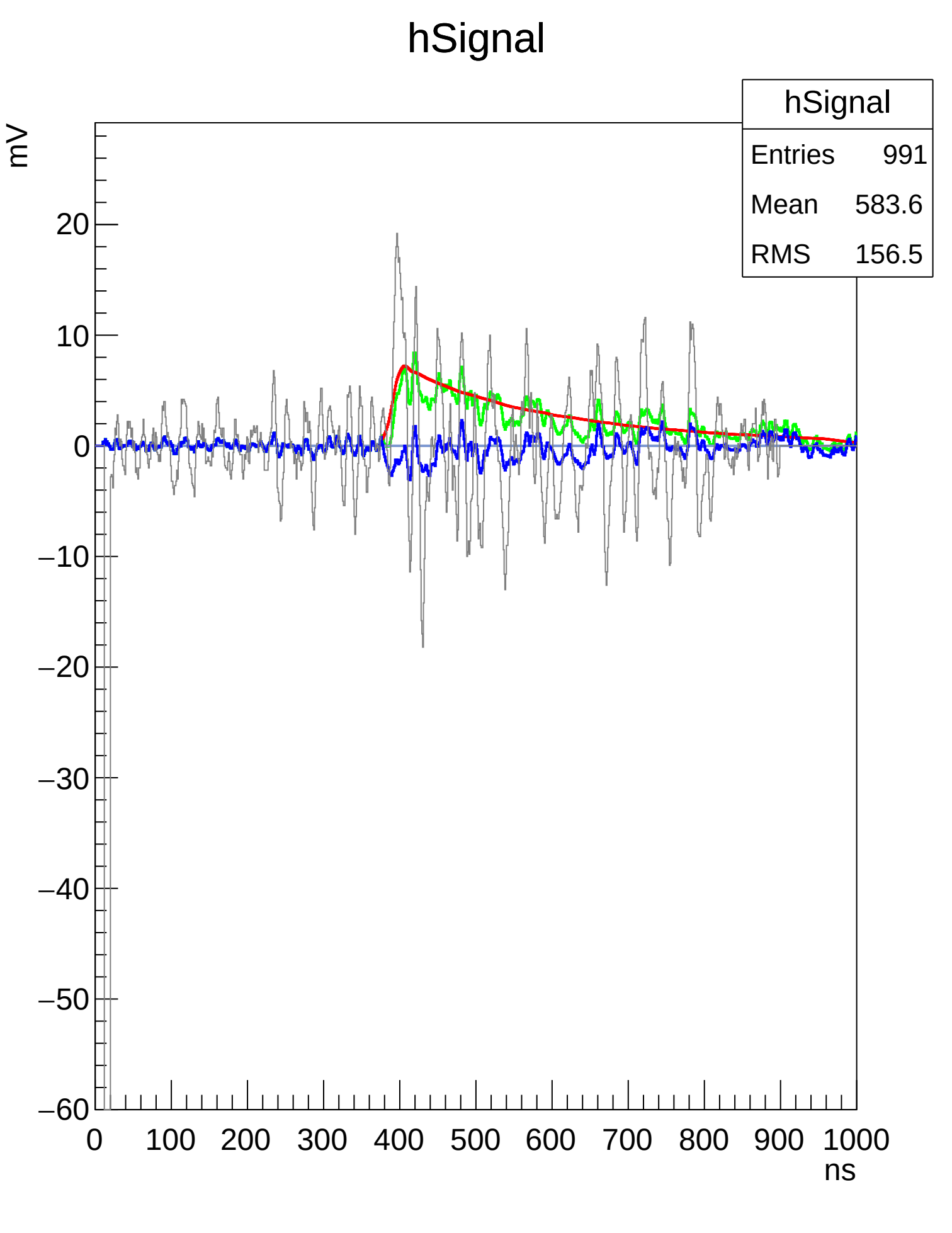

hSignal
hSignal
Entries 991
Mean 578
RMS 152.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

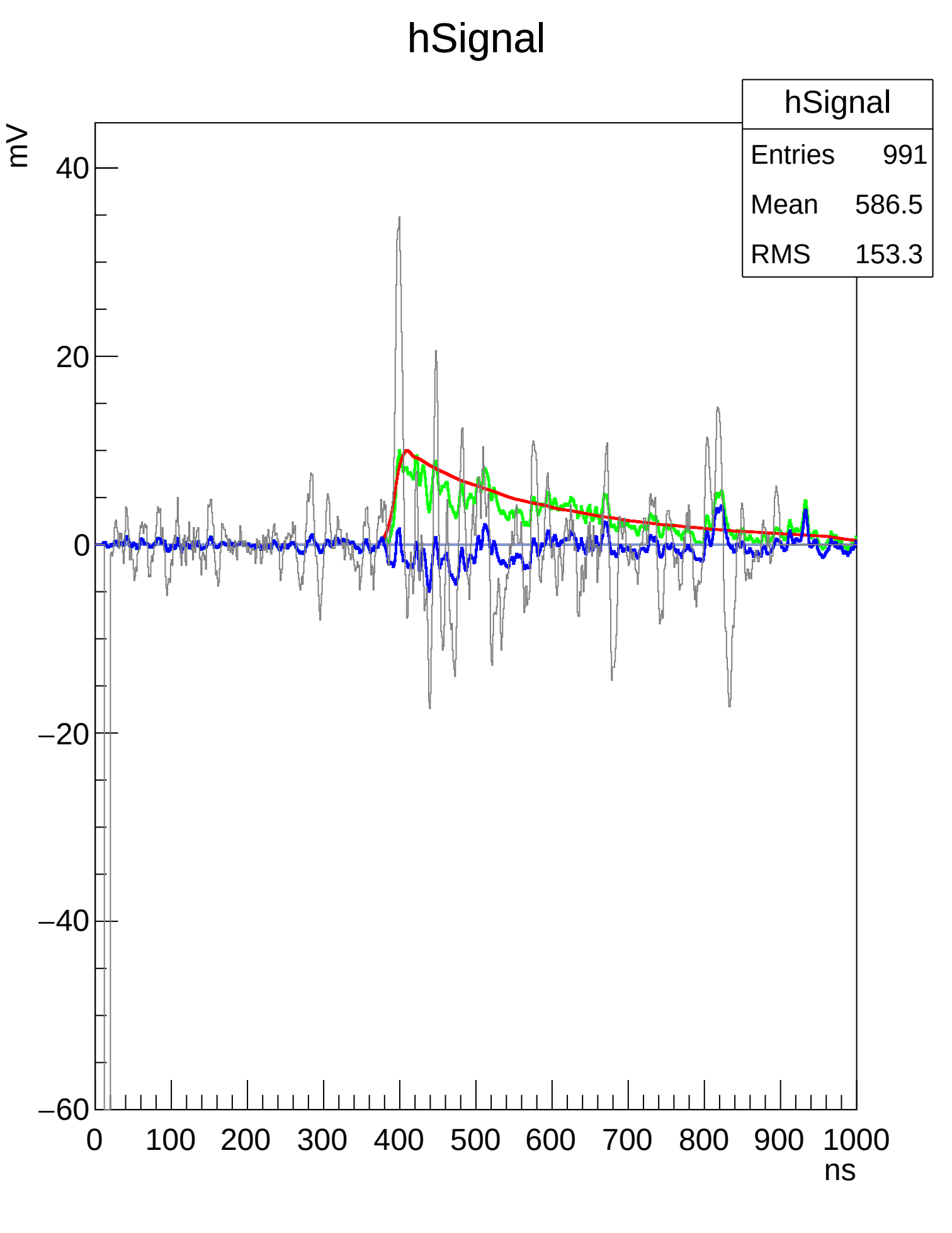

hSignal
hSignal
Entries 991
Mean 588.4
RMS 161
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.1
RMS 158.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.4
RMS 152.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.9
RMS 162.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 156.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.5
RMS 153.3
mV
40
20
0
−20
−40
−60
0
100
200
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400
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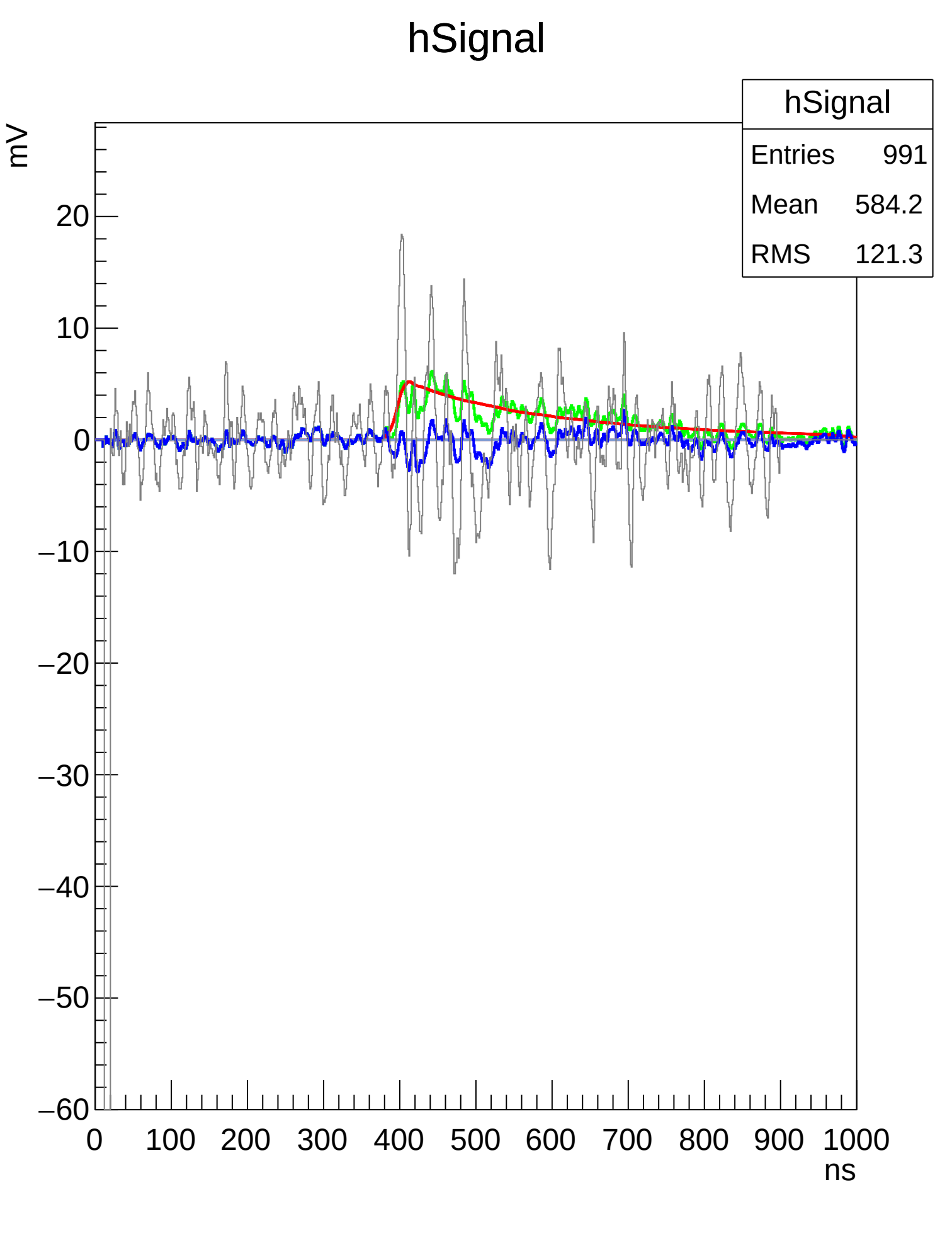
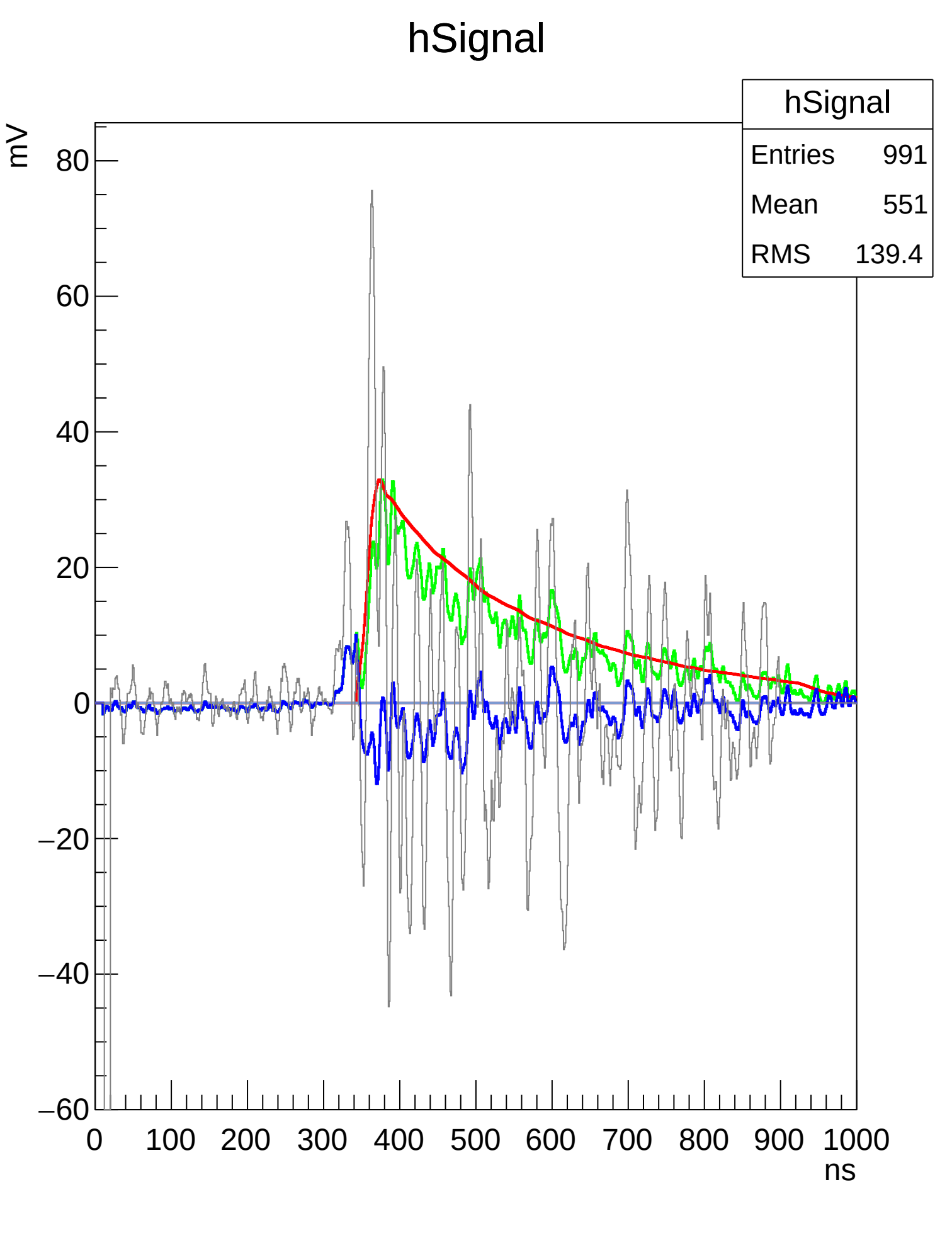
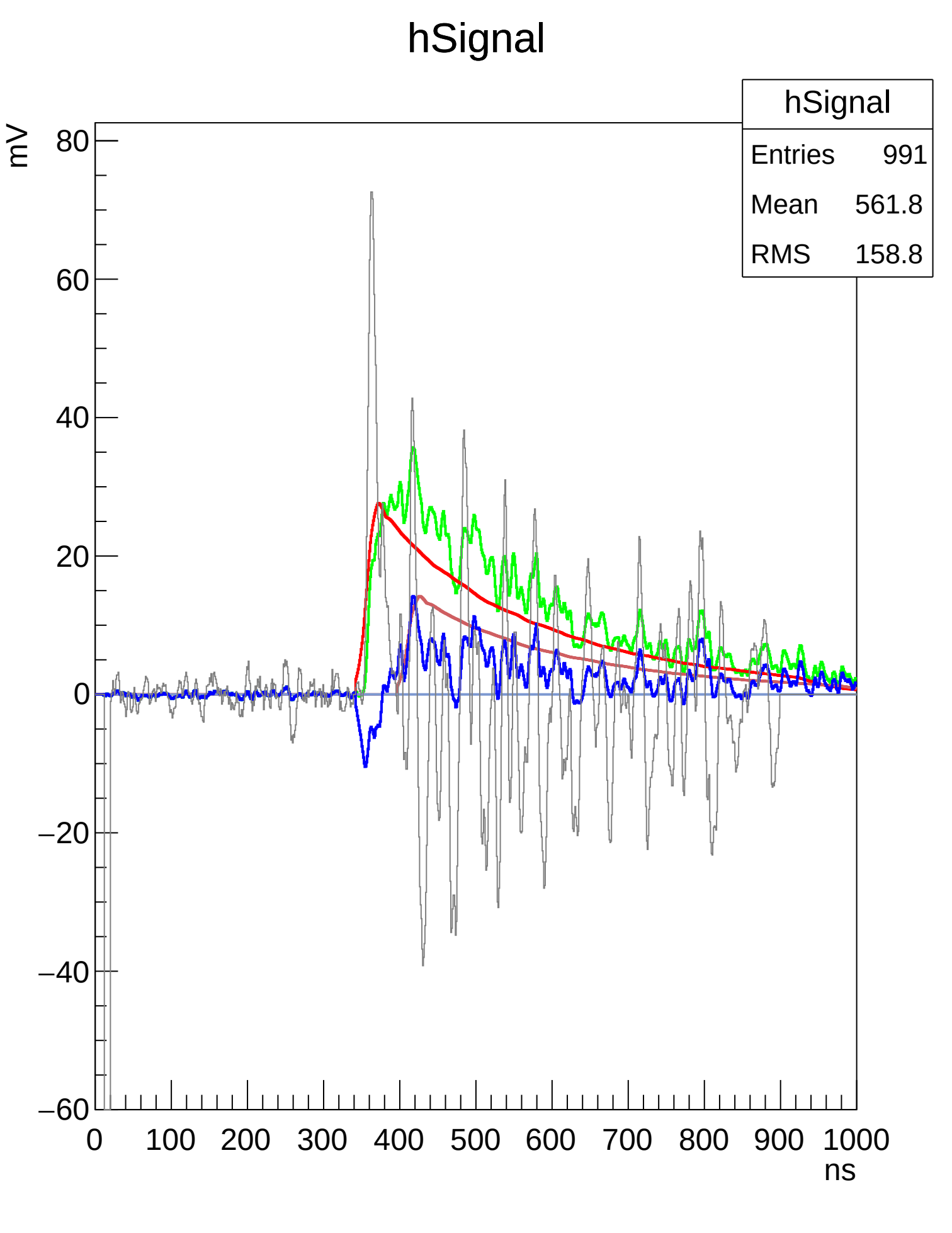
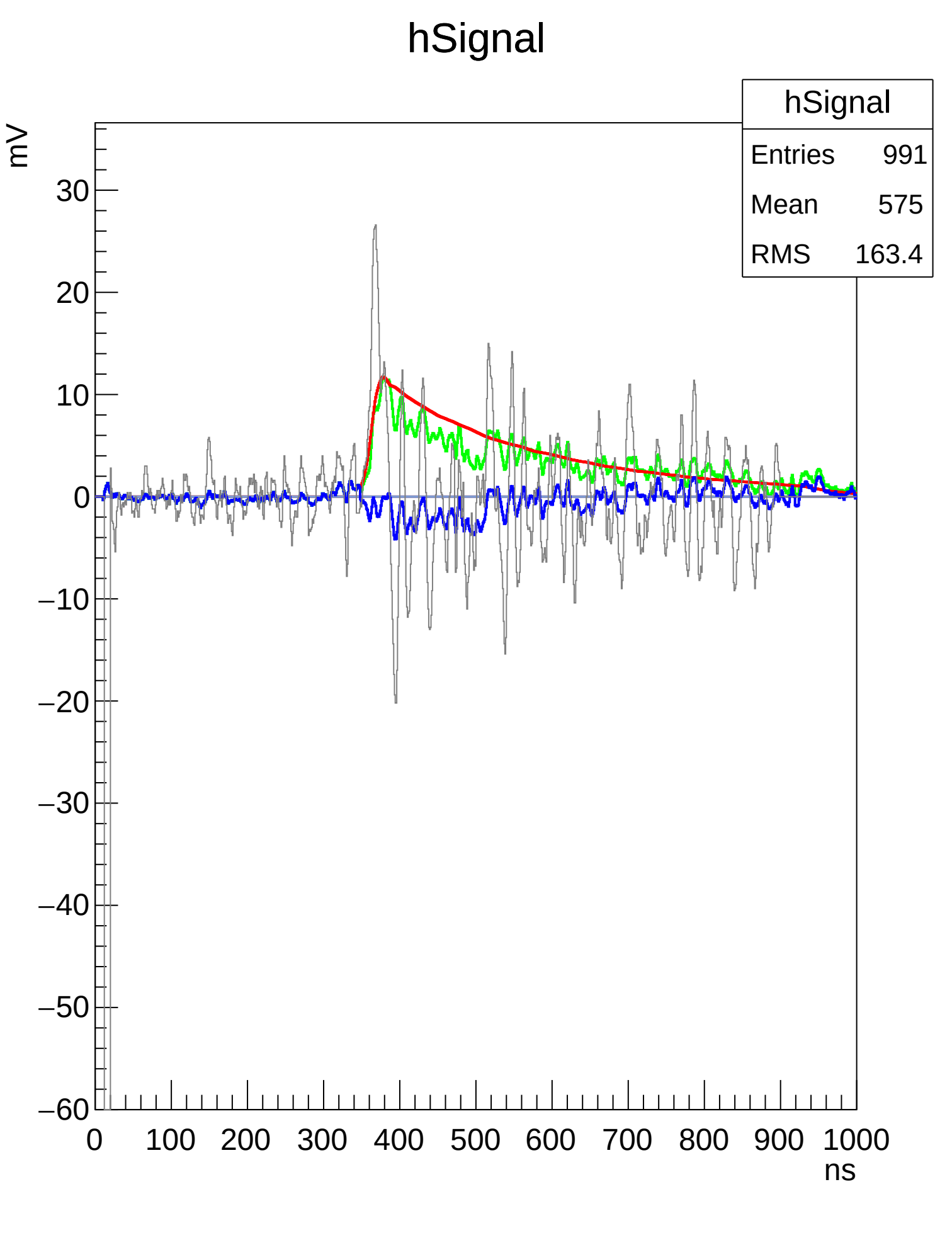
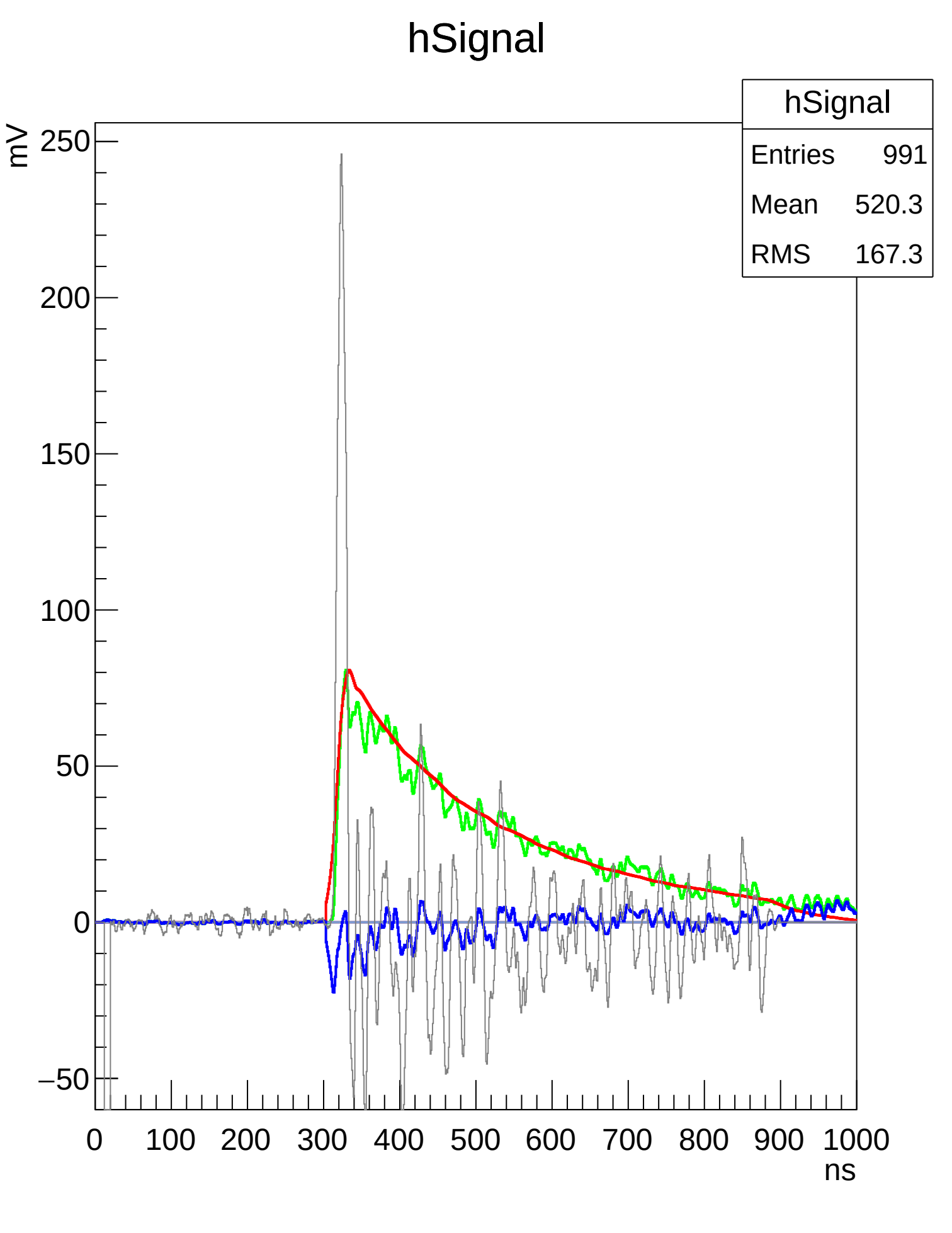
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.2
RMS 121.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551
RMS 139.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.8
RMS 158.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575
RMS 163.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.3
RMS 167.3
mV
250
200
150
100
50
0
−50
0
100
200
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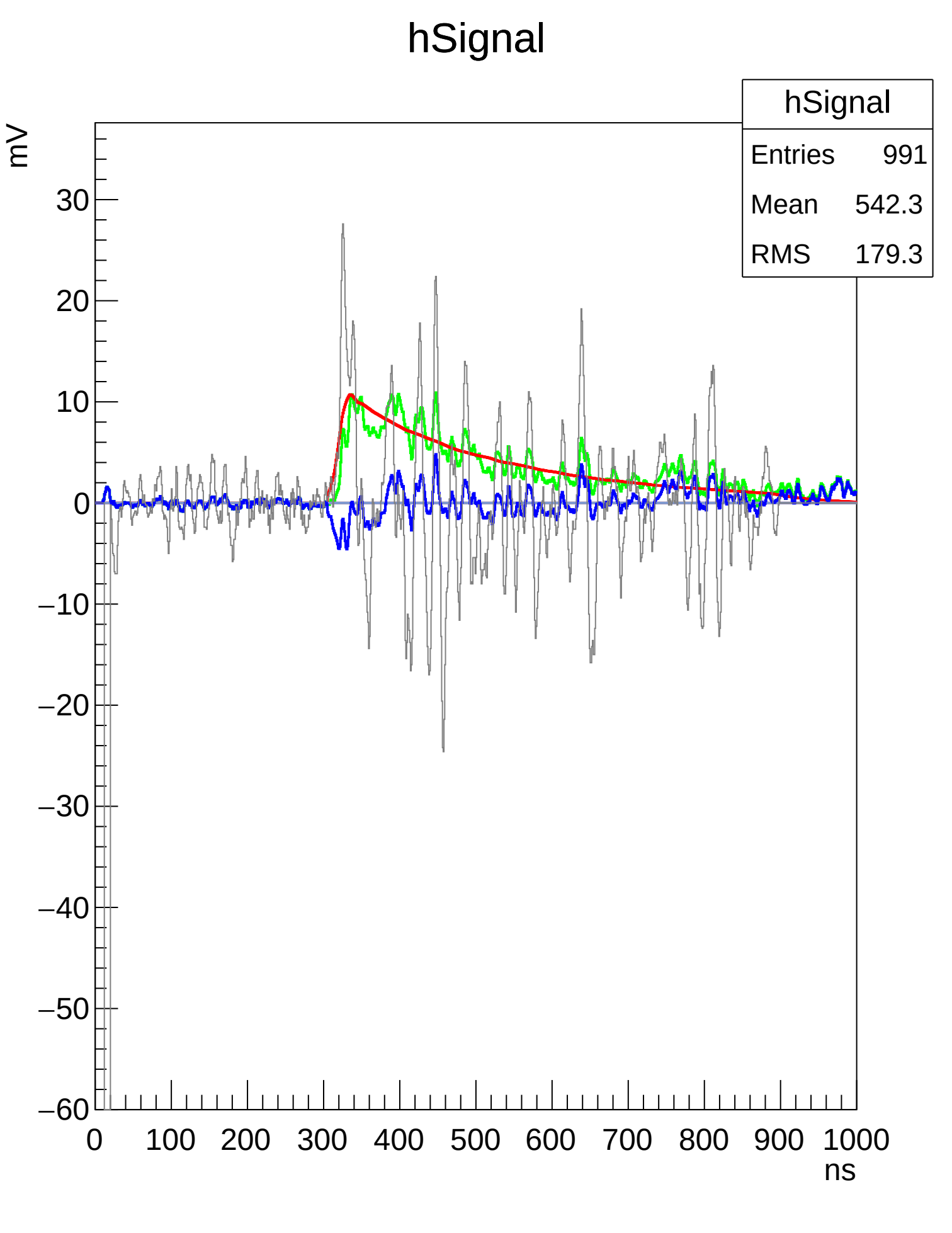
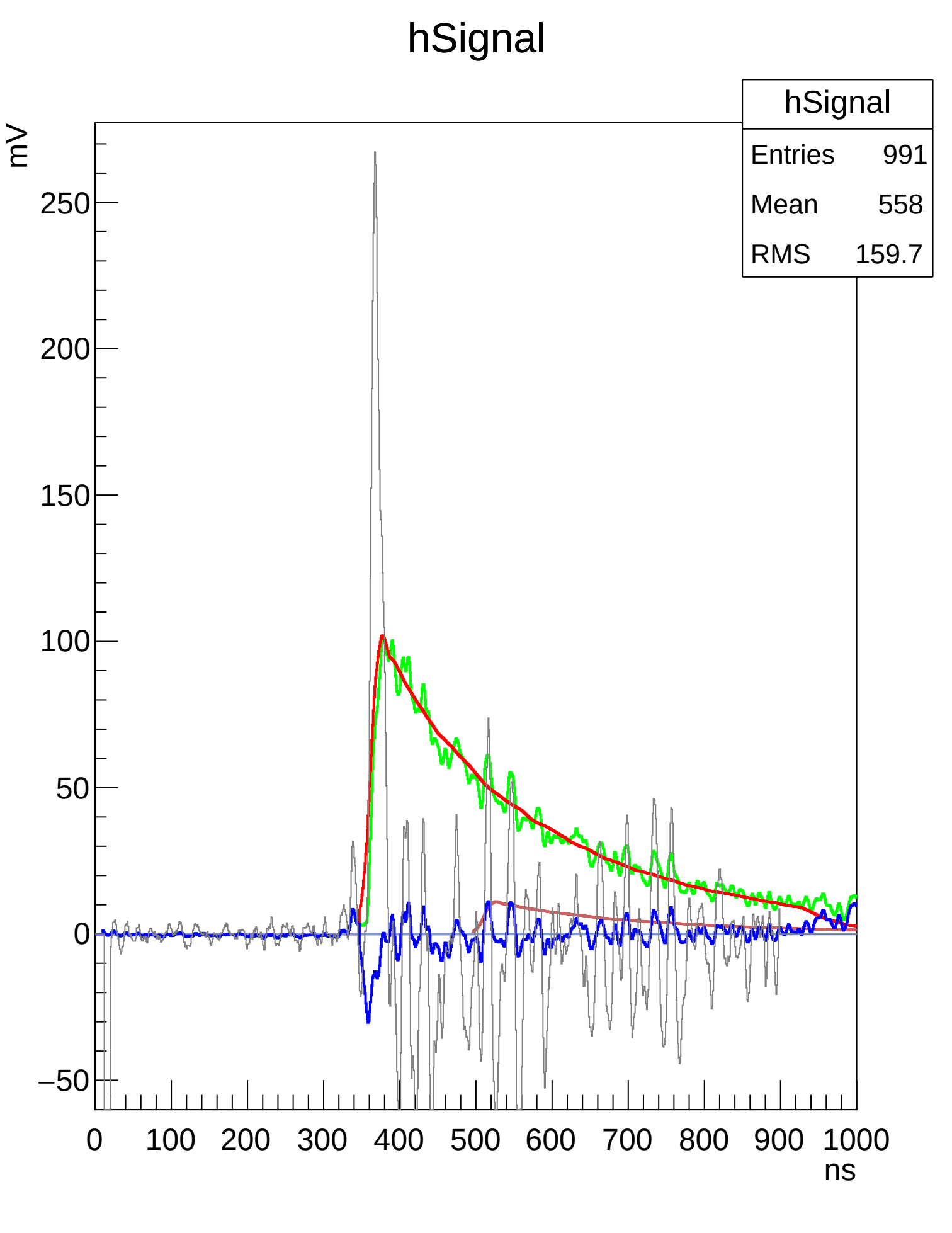
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.3
RMS 179.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 159.7
mV
250
200
150
100
50
0
−50
0
100
200
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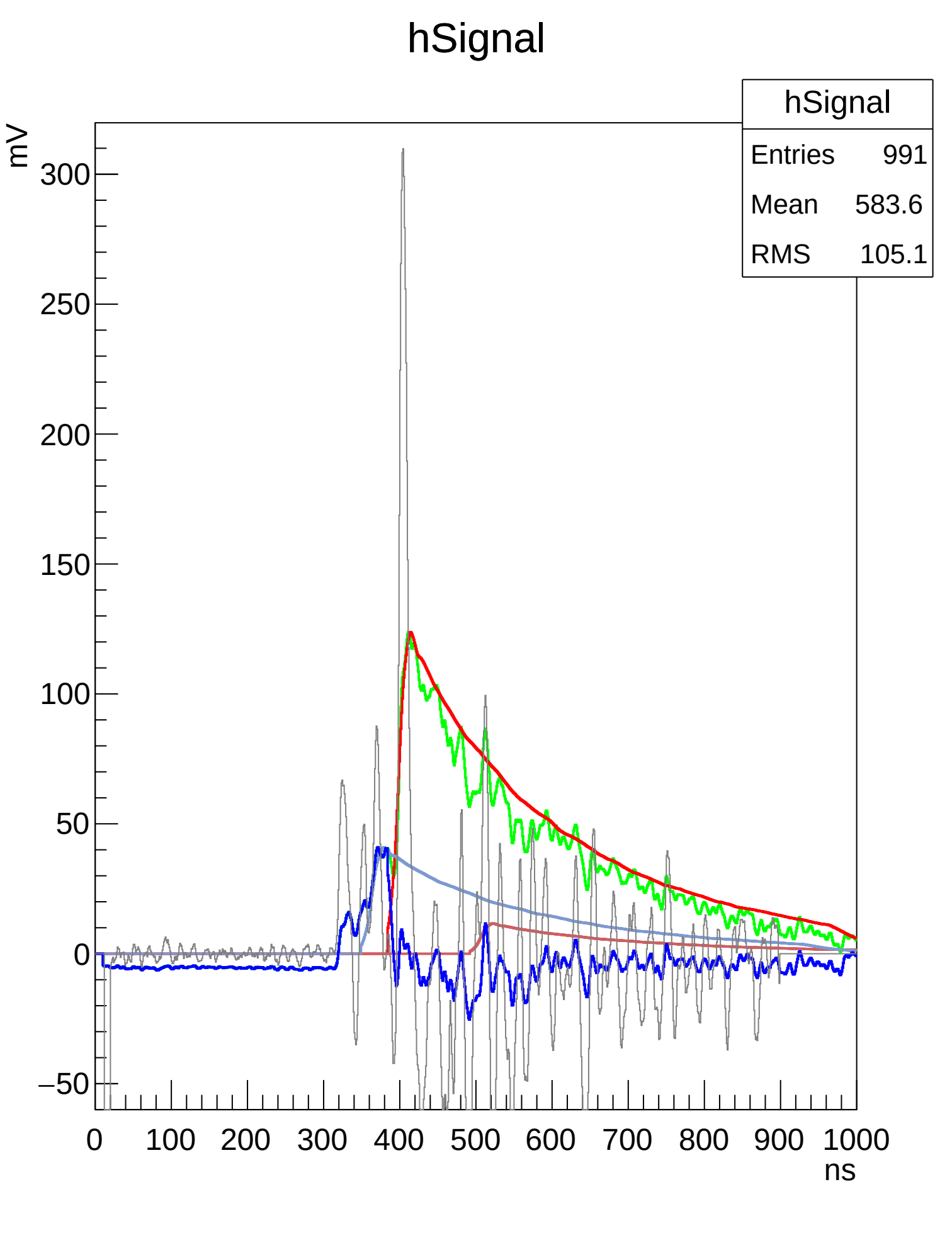
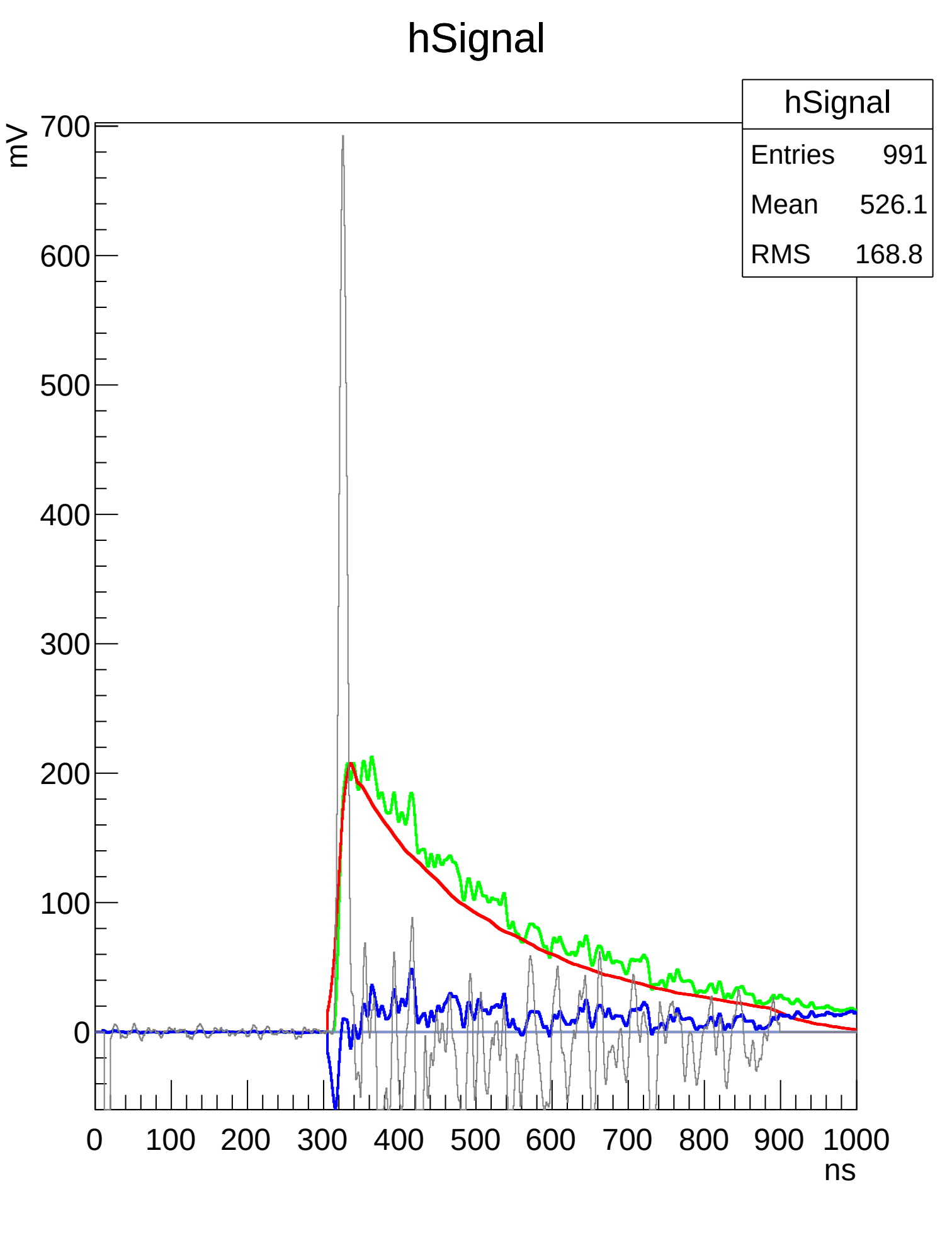
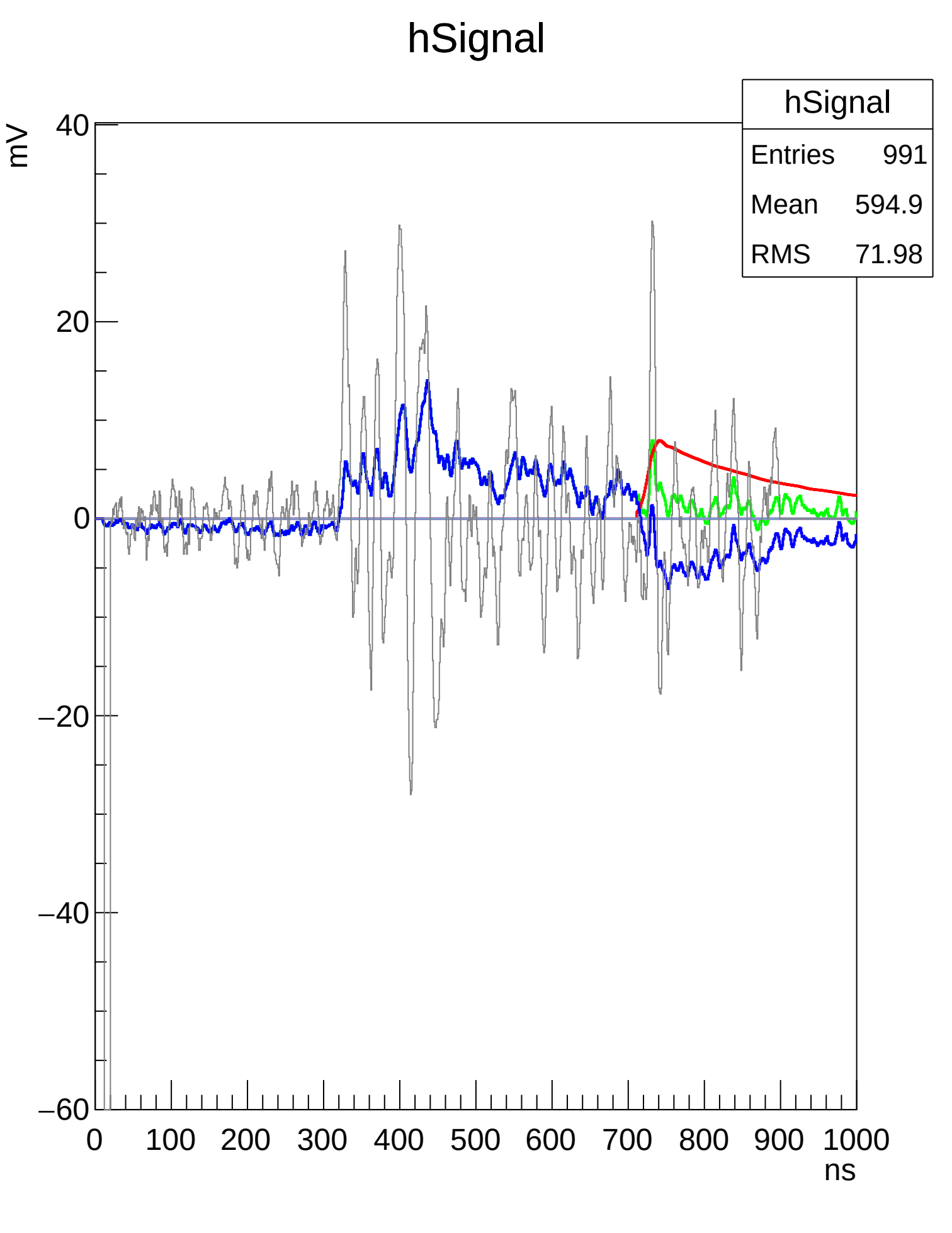
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 105.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.1
RMS 168.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.9
RMS 71.98
mV
40
20
0
−20
−40
−60
0
100
200
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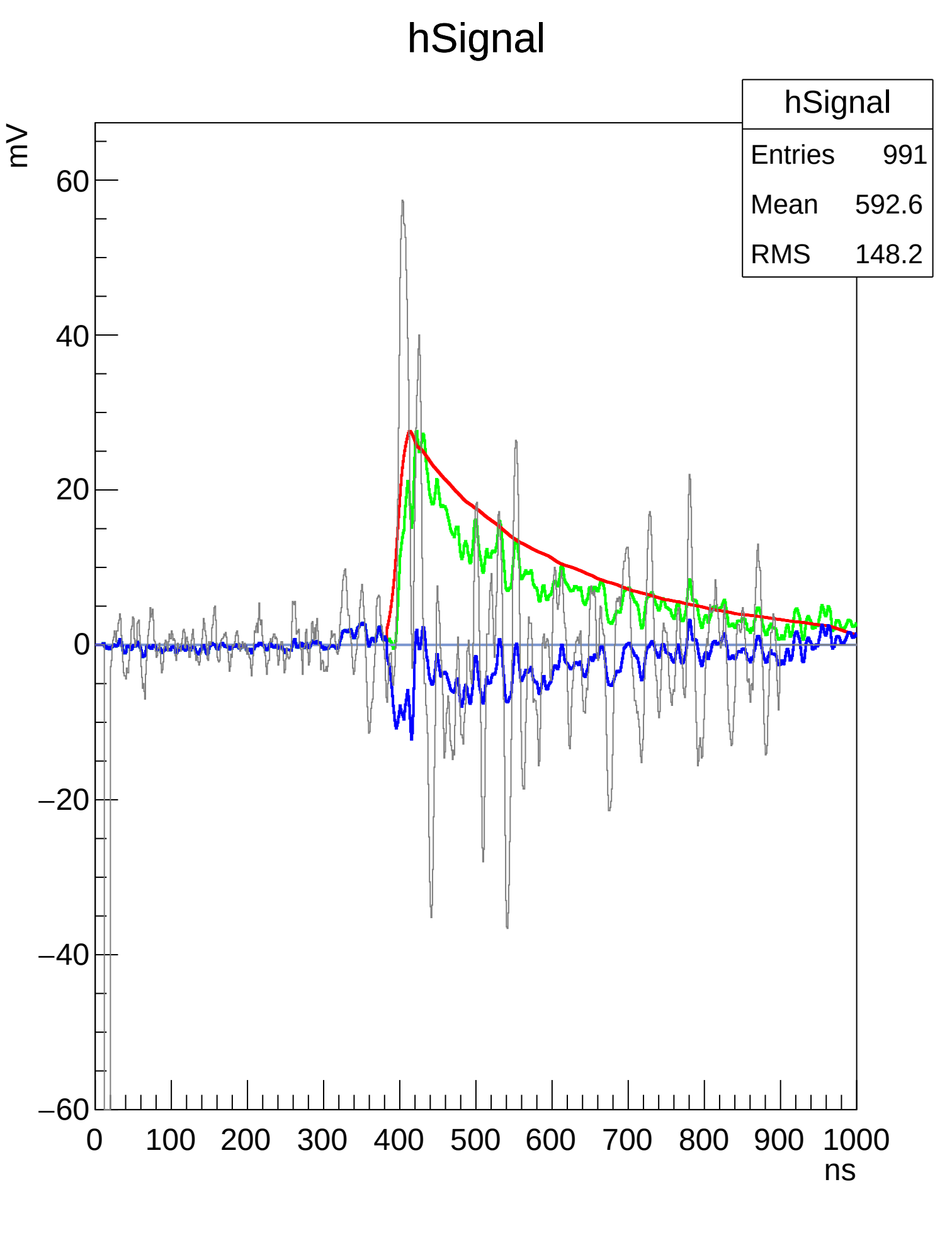
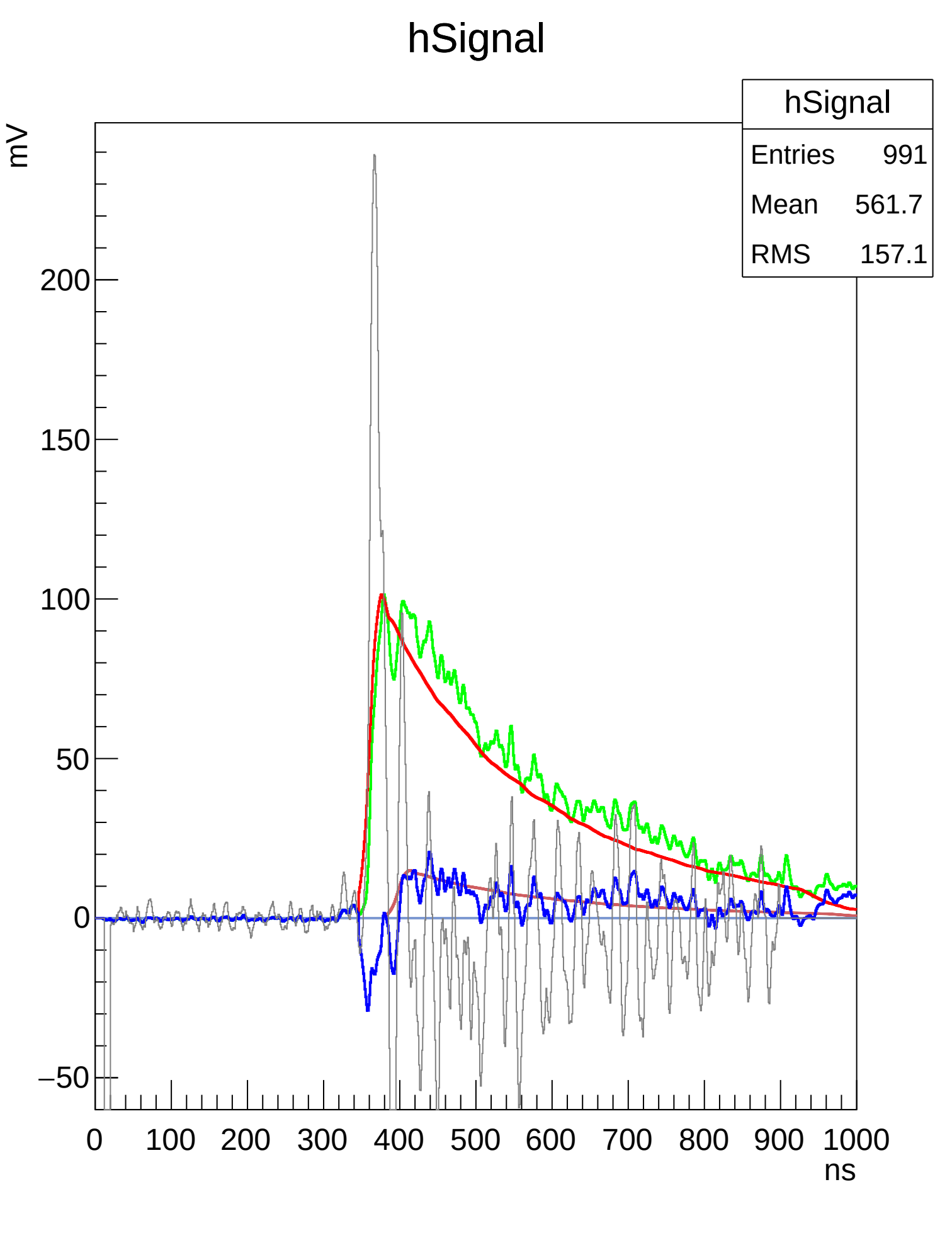
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.6
RMS 148.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.7
RMS 157.1
mV
200
150
100
50
0
−50
0
100
200
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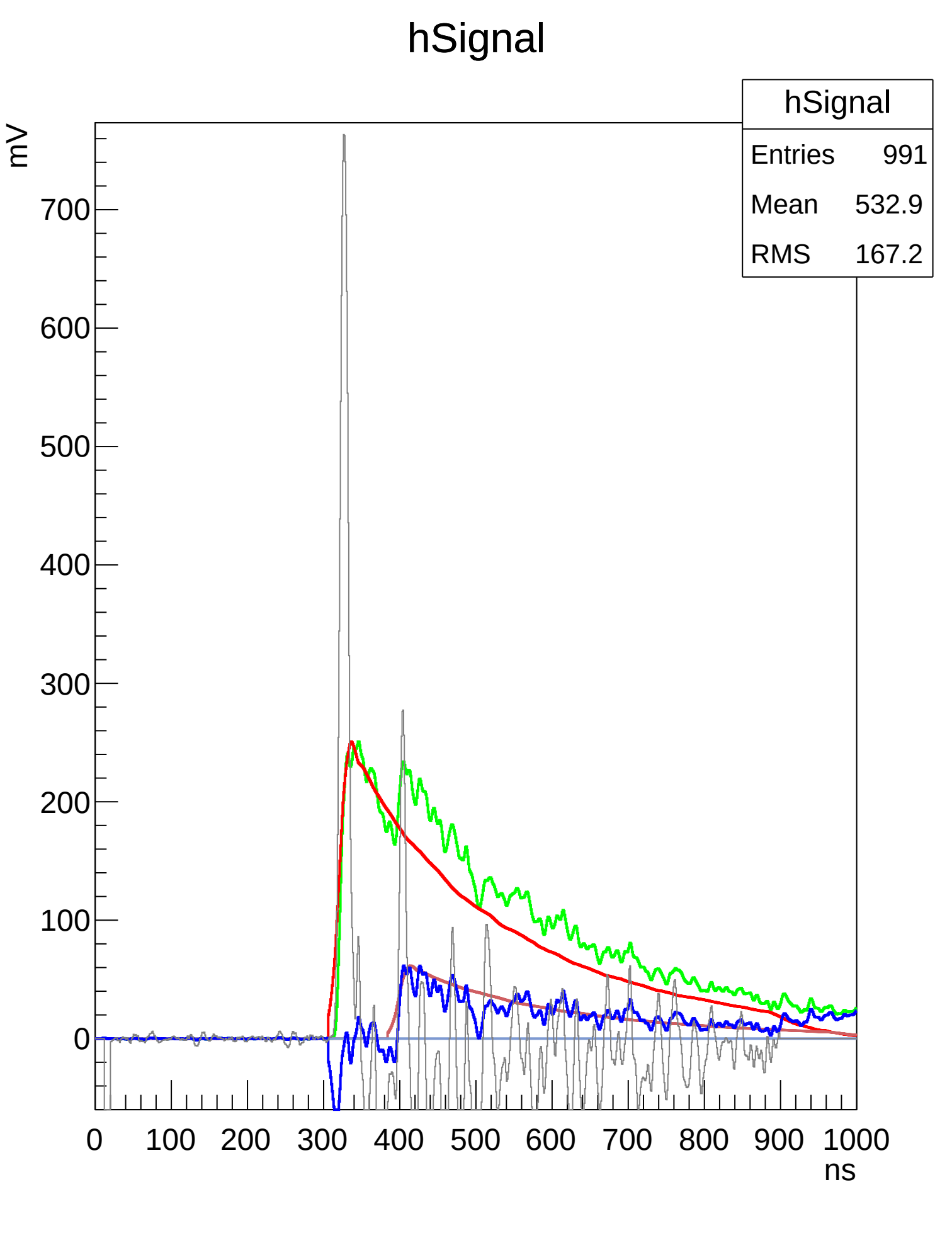
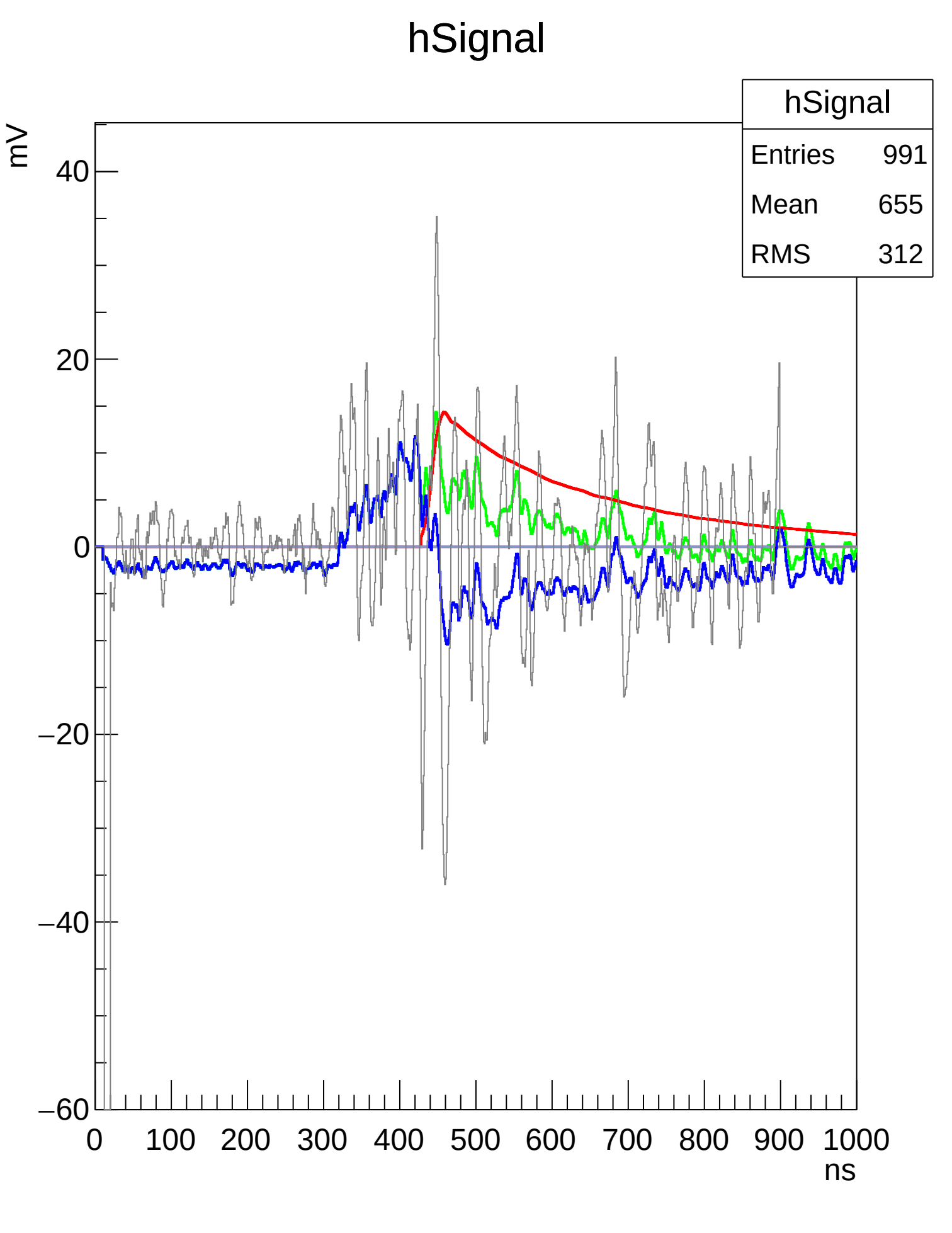
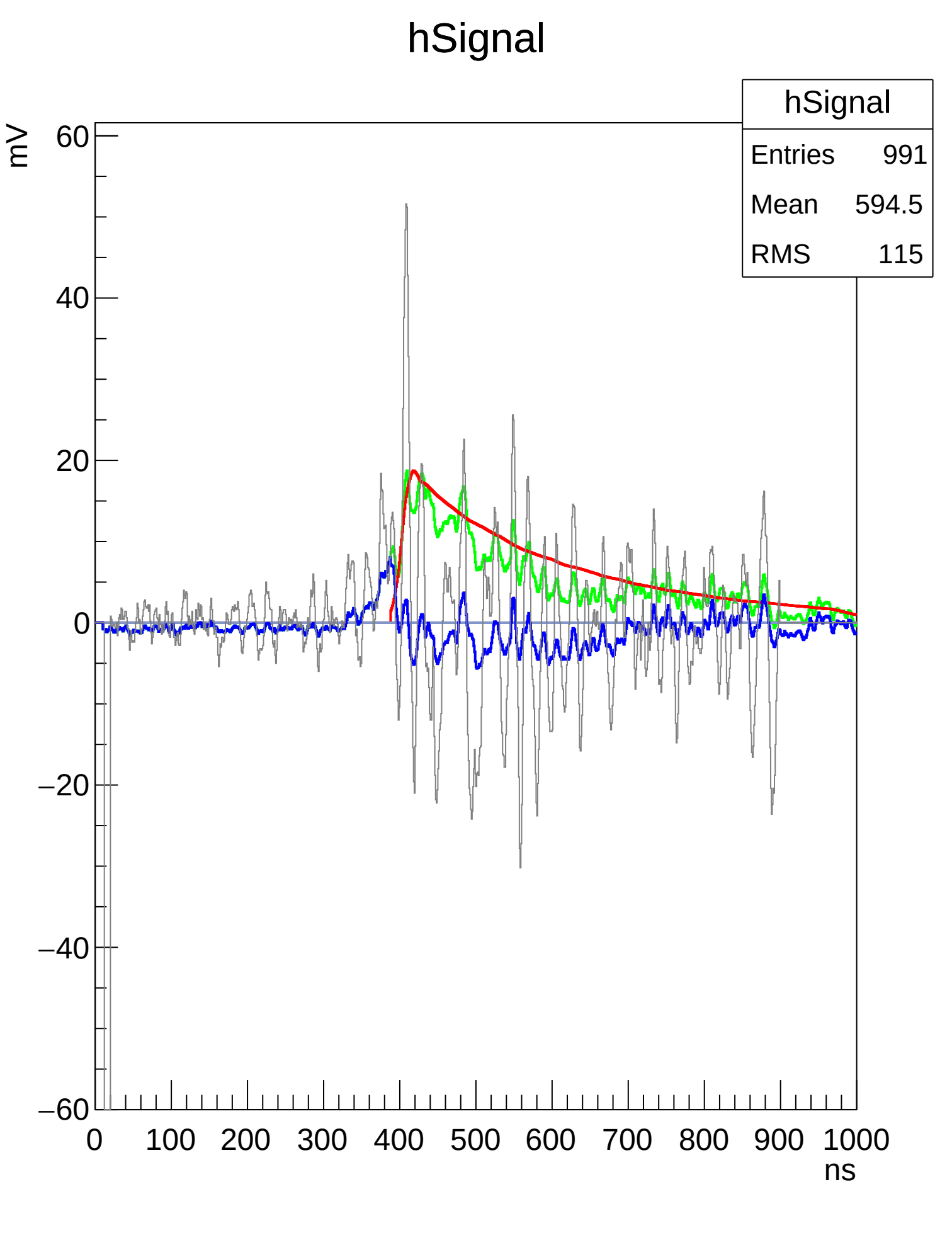
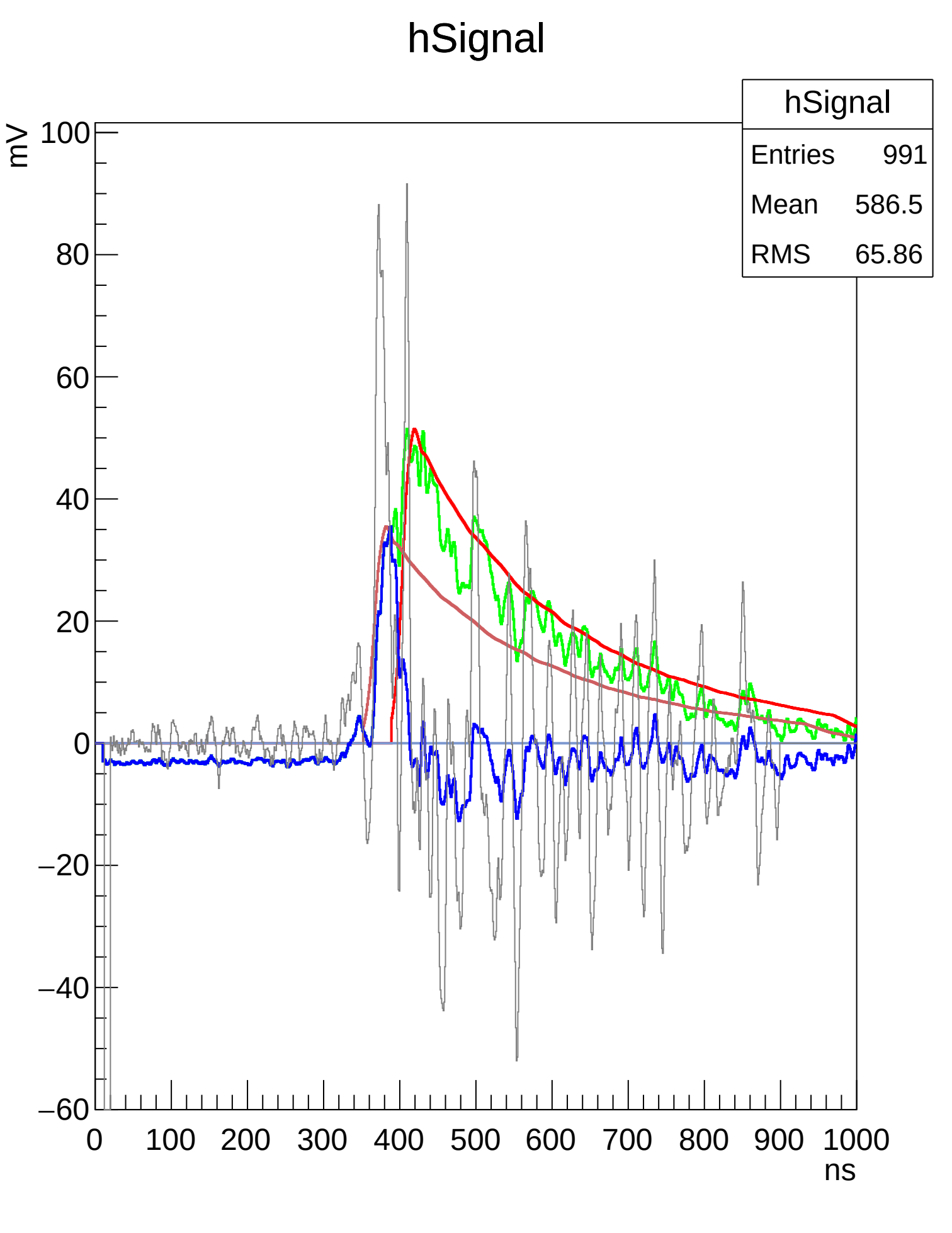
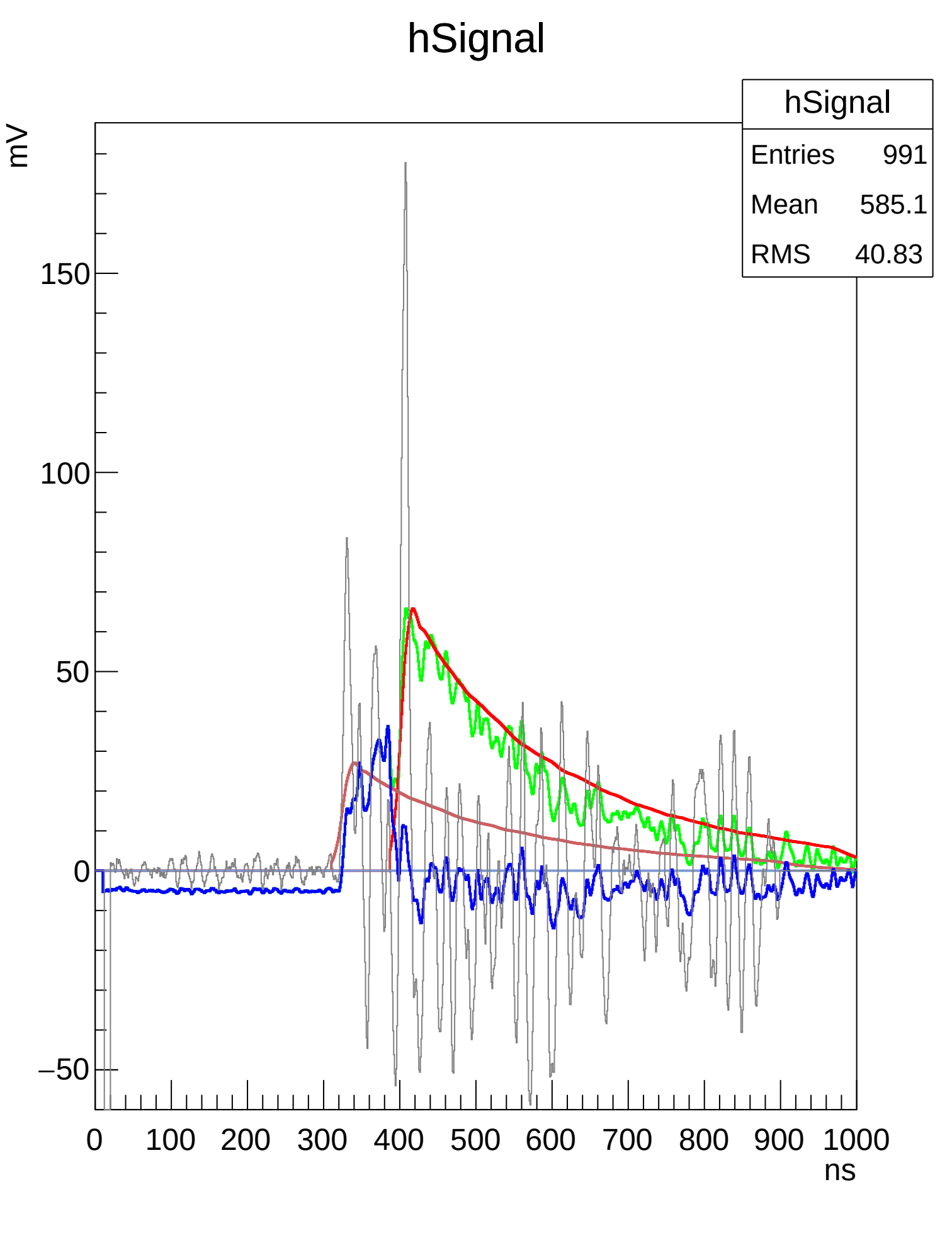
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.9
RMS 167.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 655
RMS 312
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.5
RMS 115
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.5
RMS 65.86
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.1
RMS 40.83
mV
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100
50
0
−50
0
100
200
300
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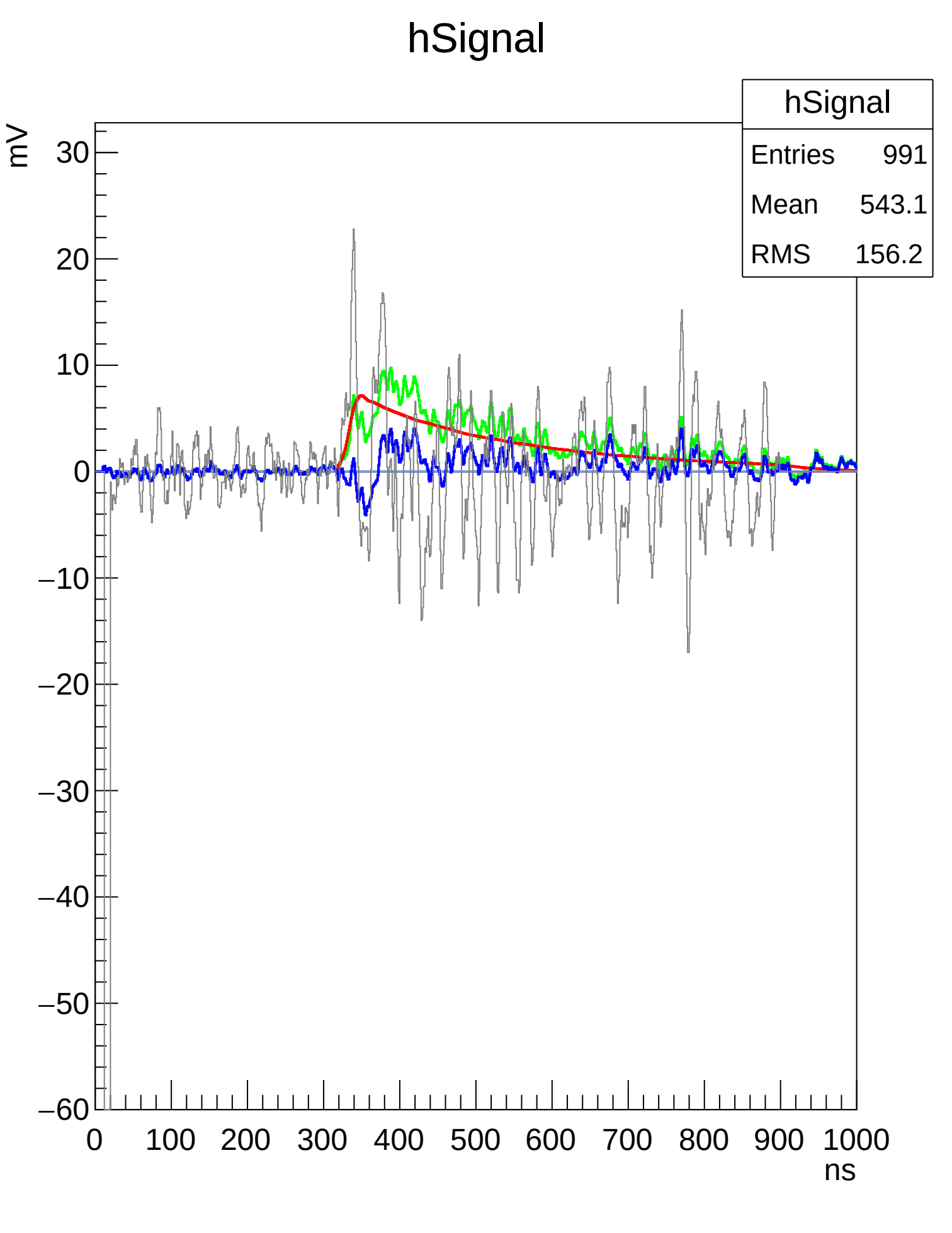
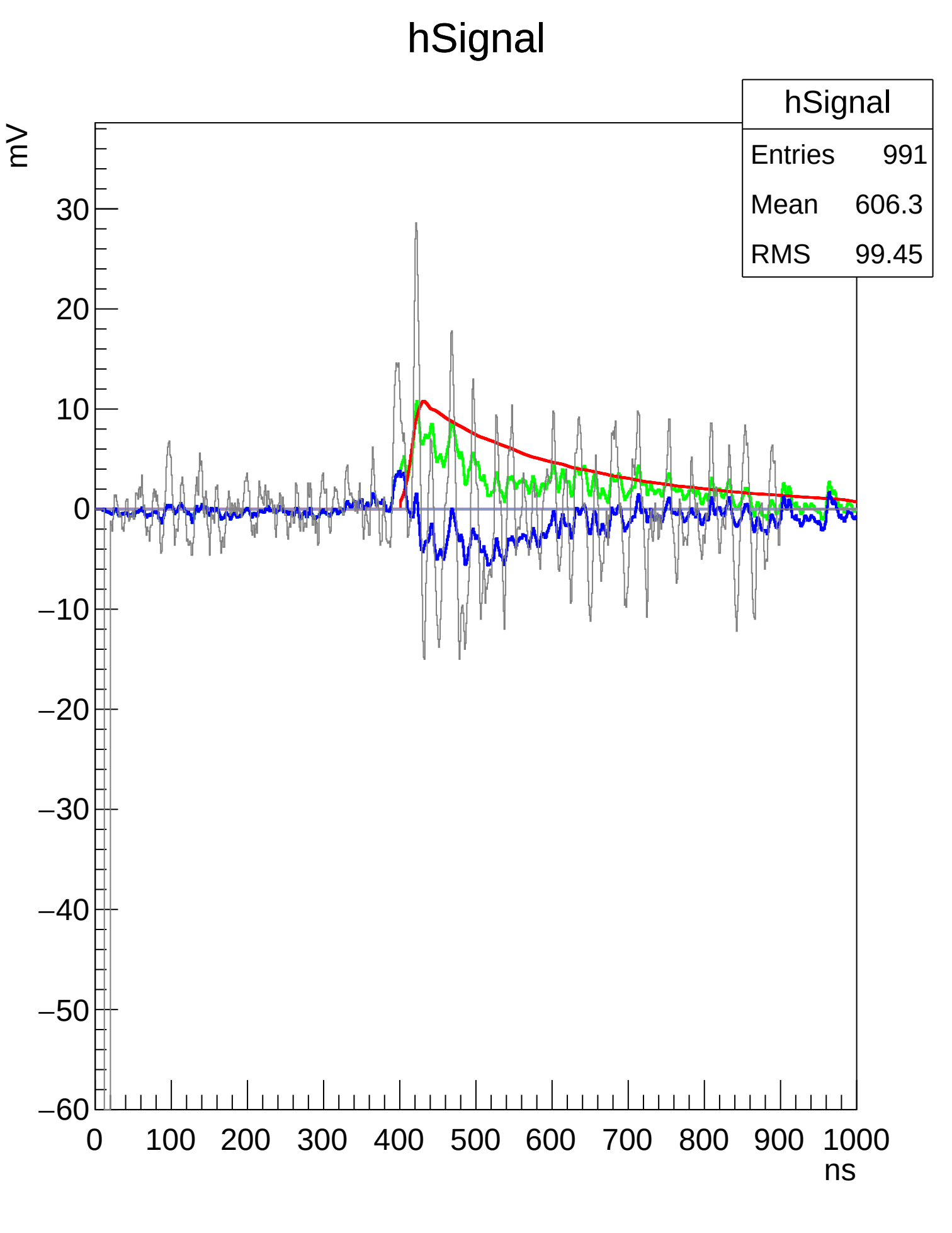
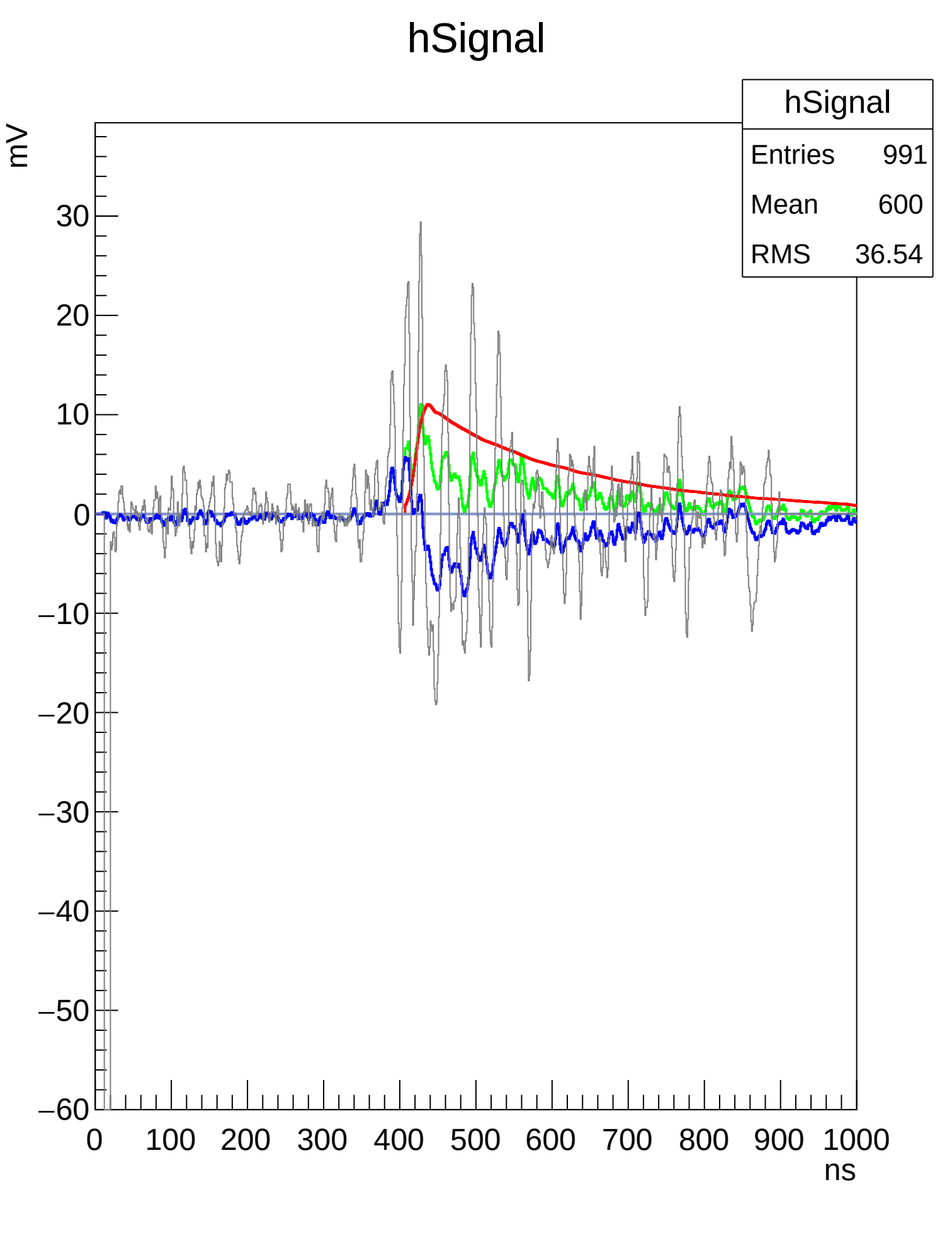
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.1
RMS 156.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.3
RMS 99.45
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600
RMS 36.54
mV
30
20
10
0
−10
−20
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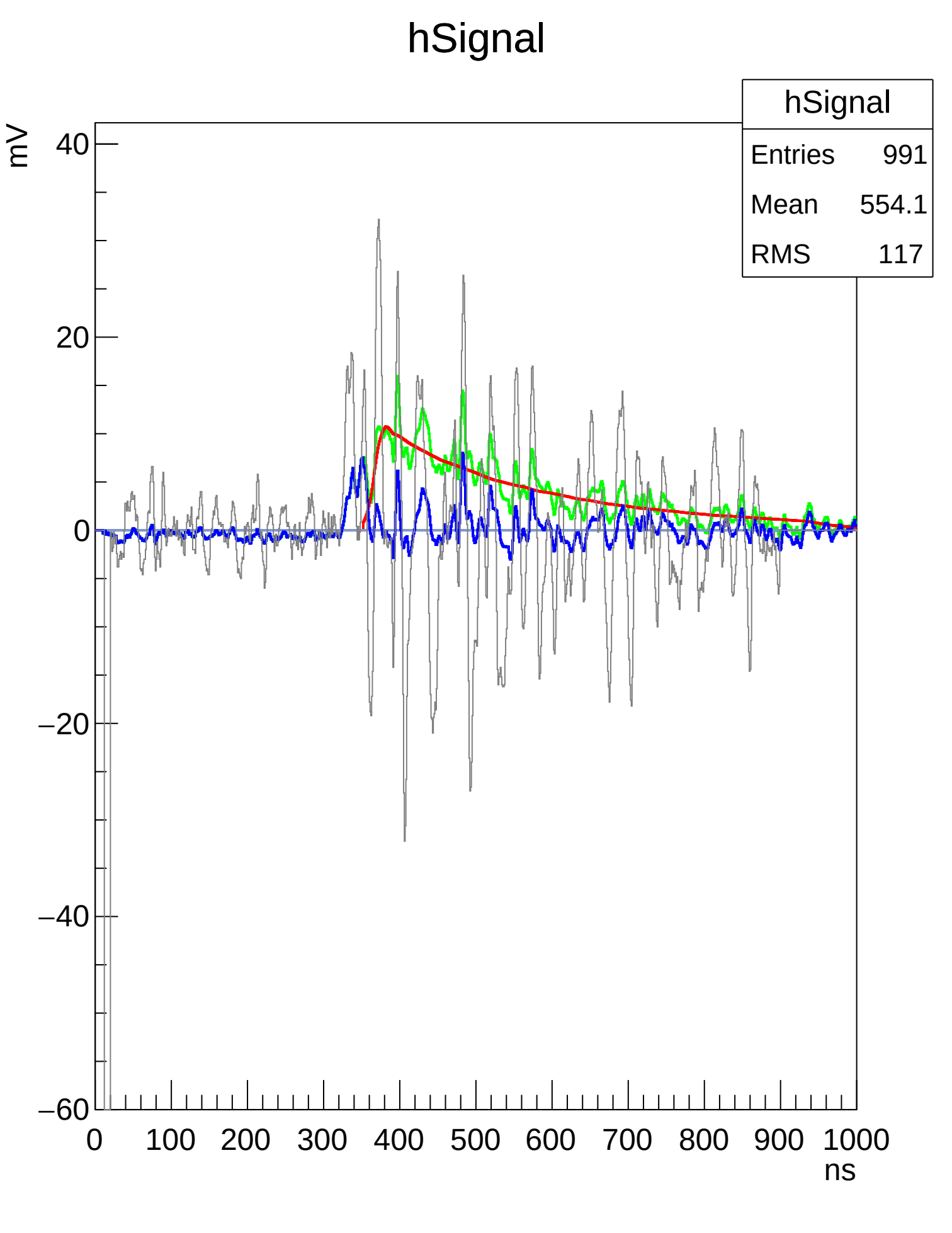
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.1
RMS 117
mV
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20
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−20
−40
−60
0
100
200
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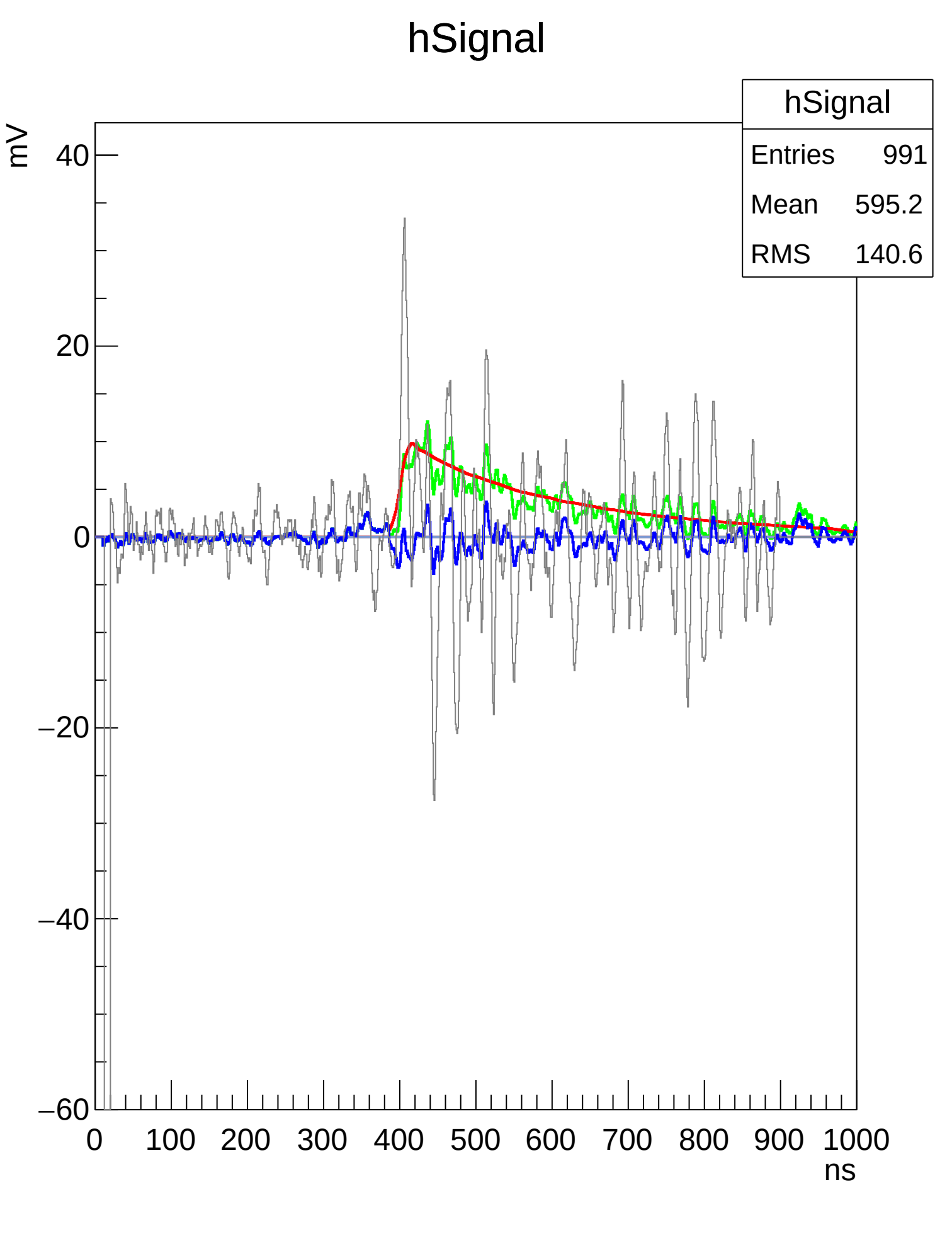
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.2
RMS 140.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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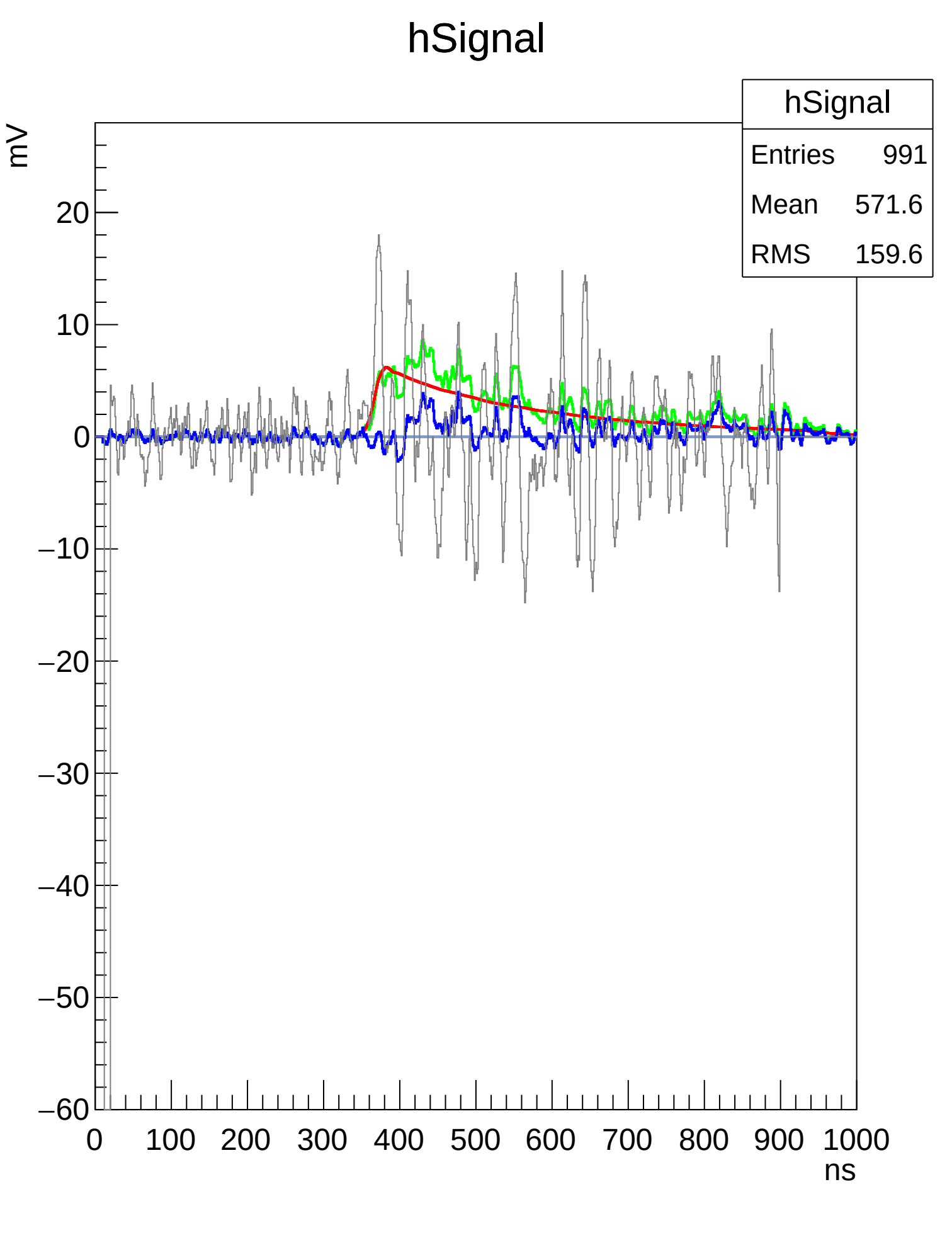
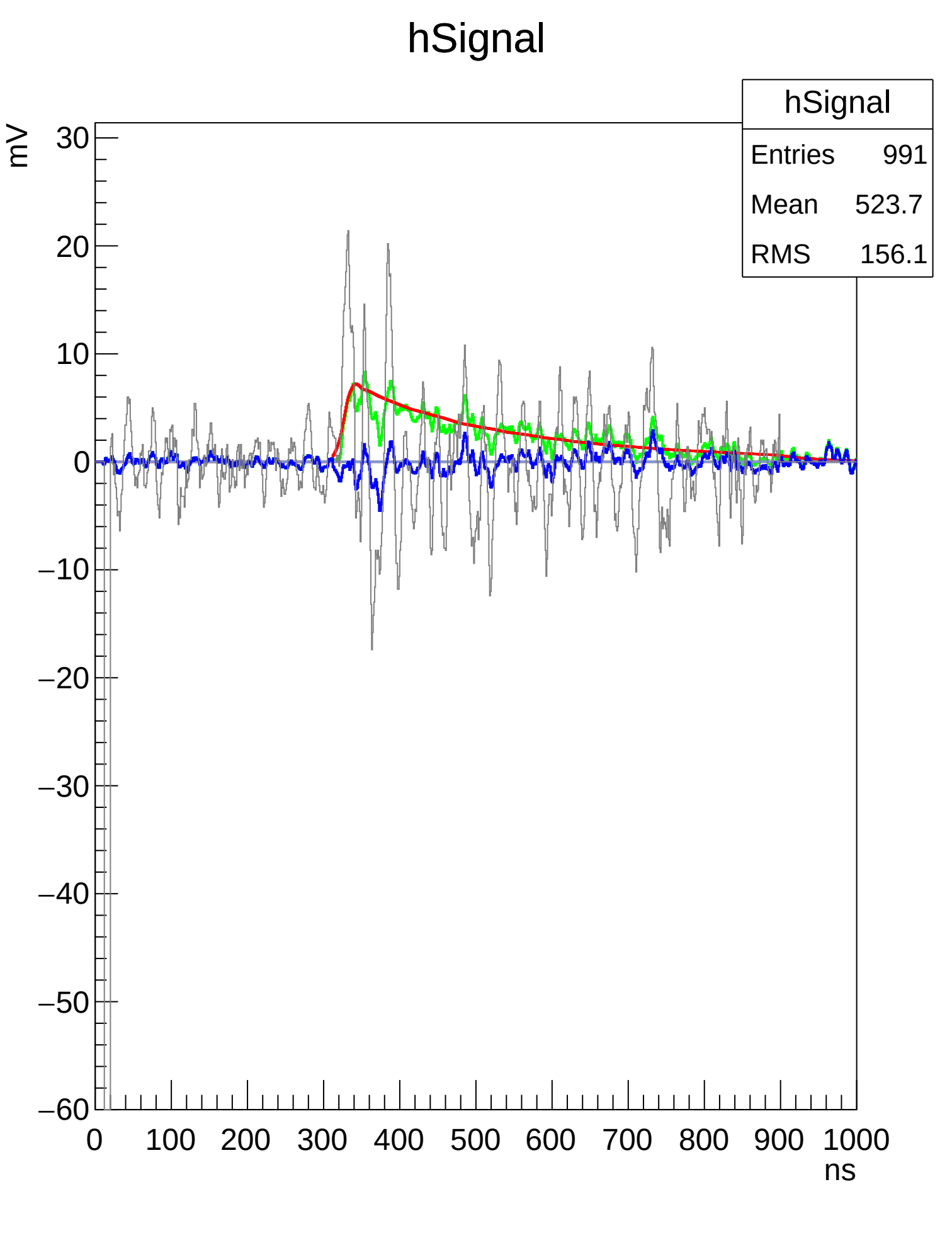
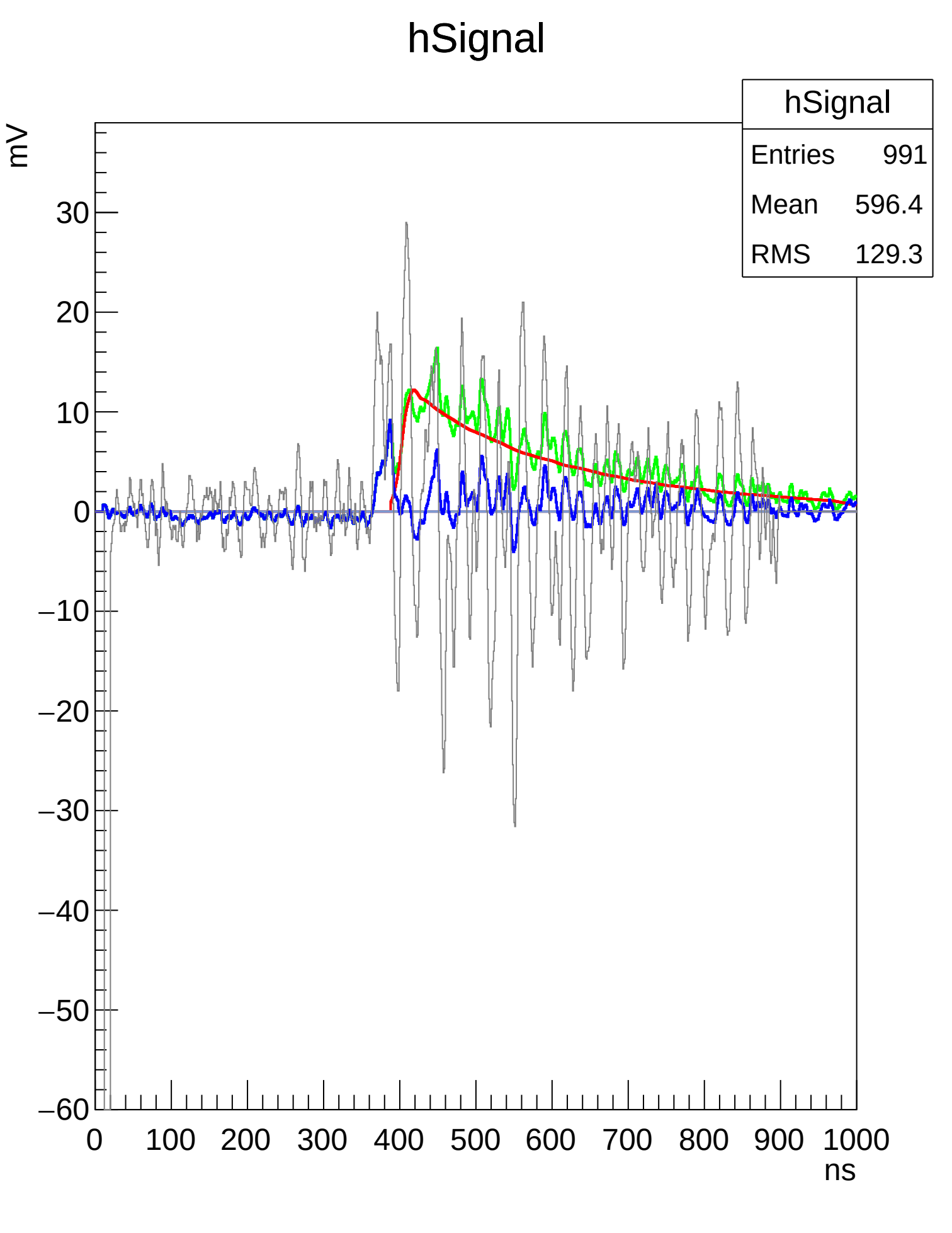
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.6
RMS 159.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.7
RMS 156.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 129.3
mV
30
20
10
0
−10
−20
−30
−40
−50
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100
200
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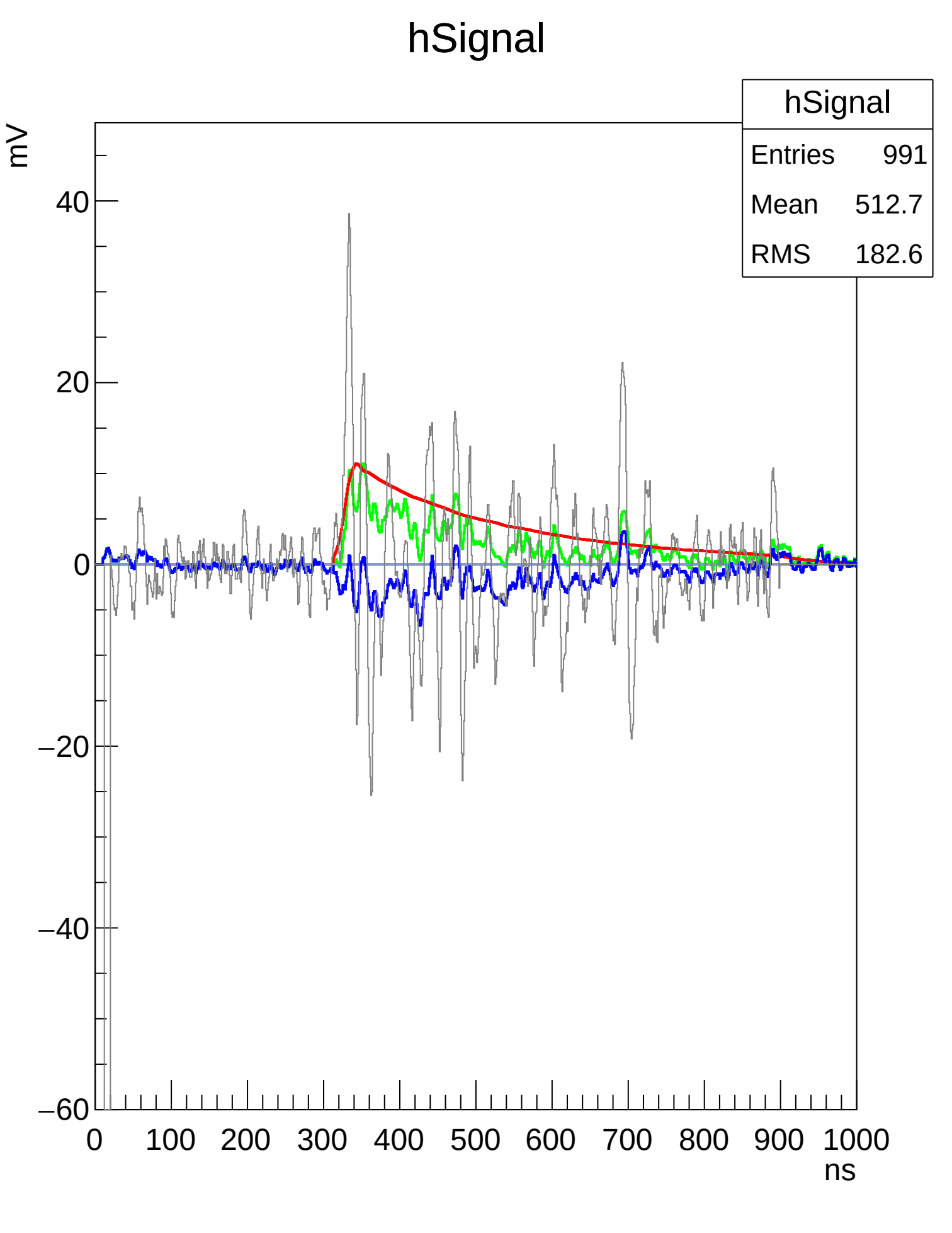
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.7
RMS 182.6
mV
40
20
0
−20
−40
−60
0
100
200
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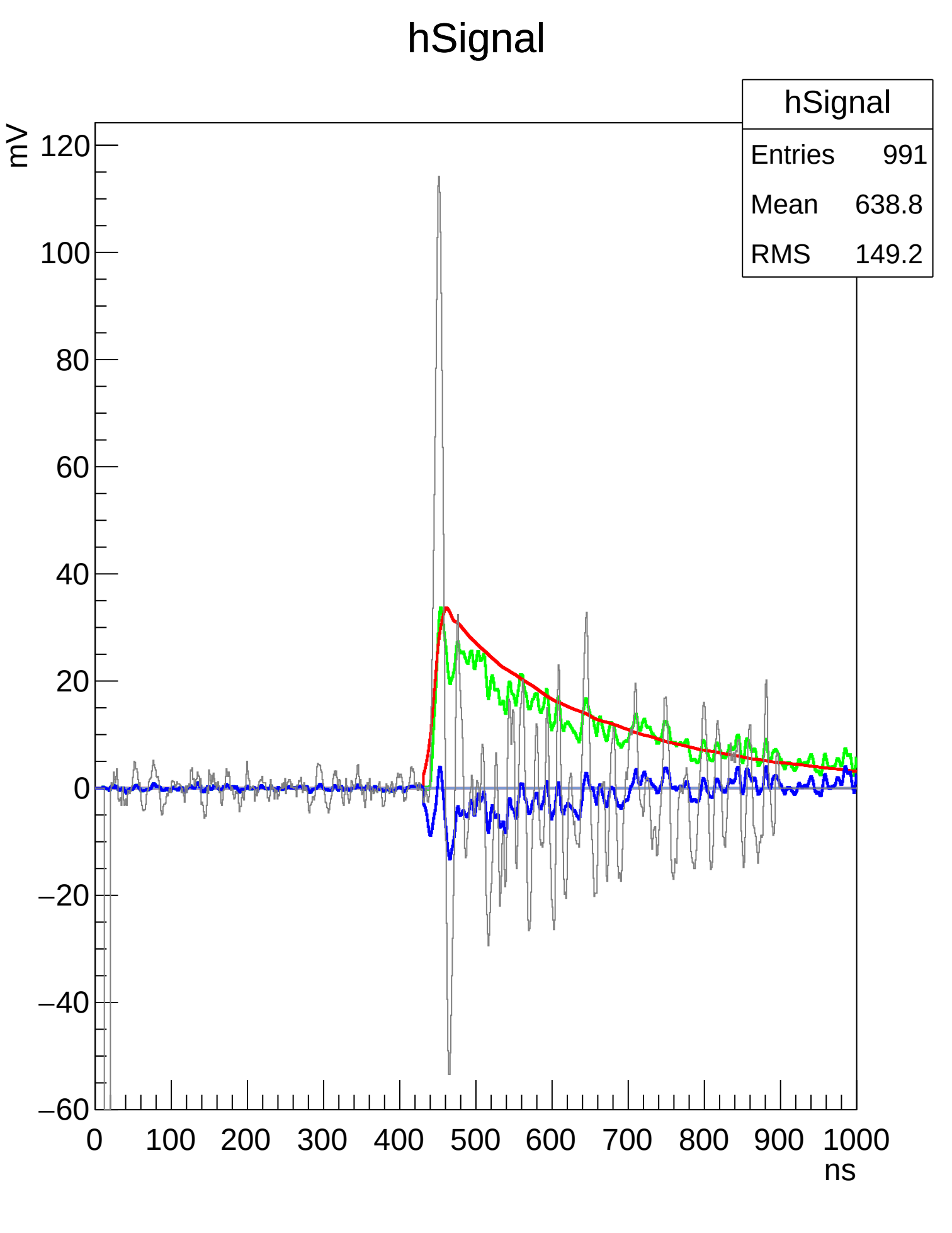
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 638.8
RMS 149.2
mV
120
100
80
60
40
20
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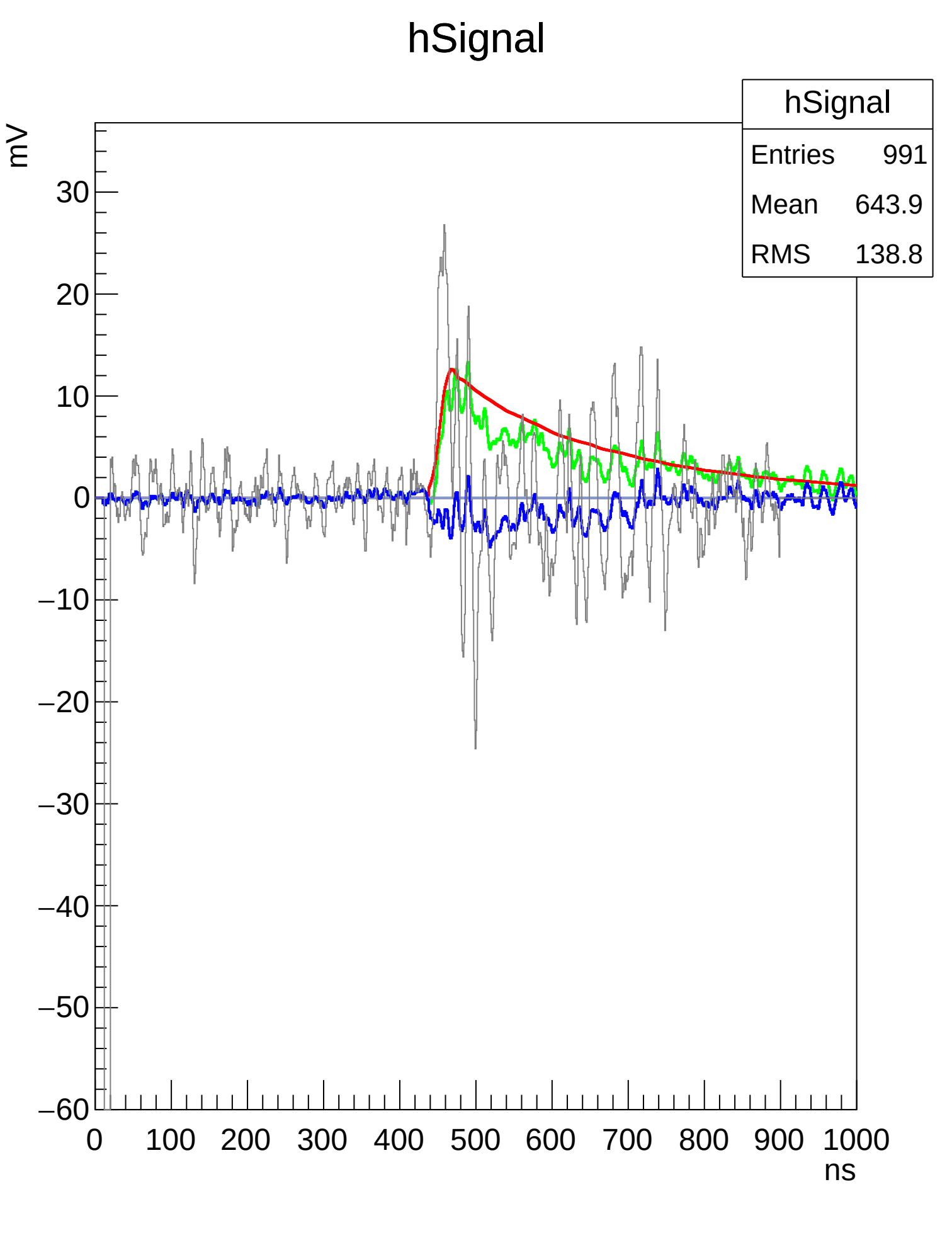
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 643.9
RMS 138.8
mV
30
20
10
0
−10
−20
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−40
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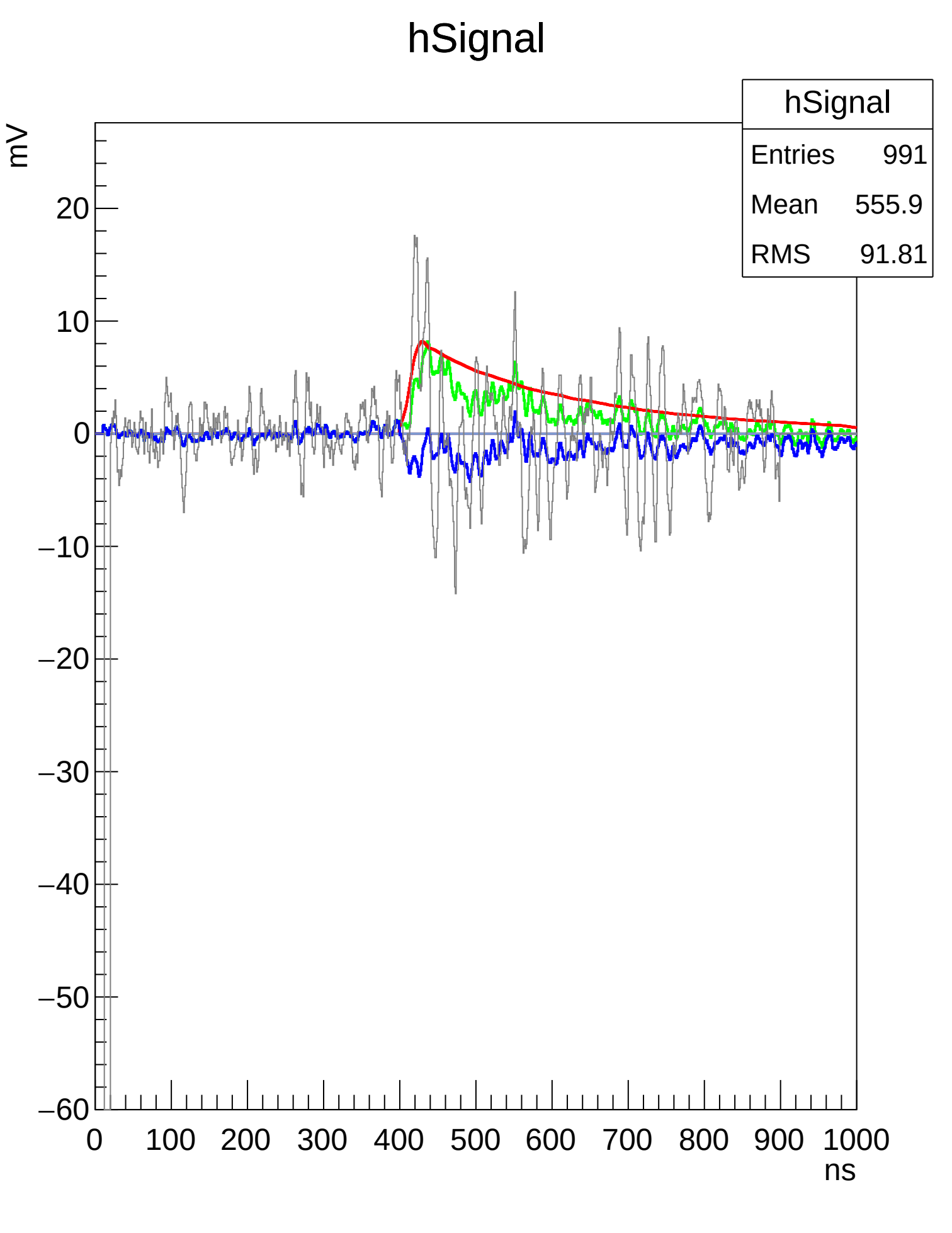
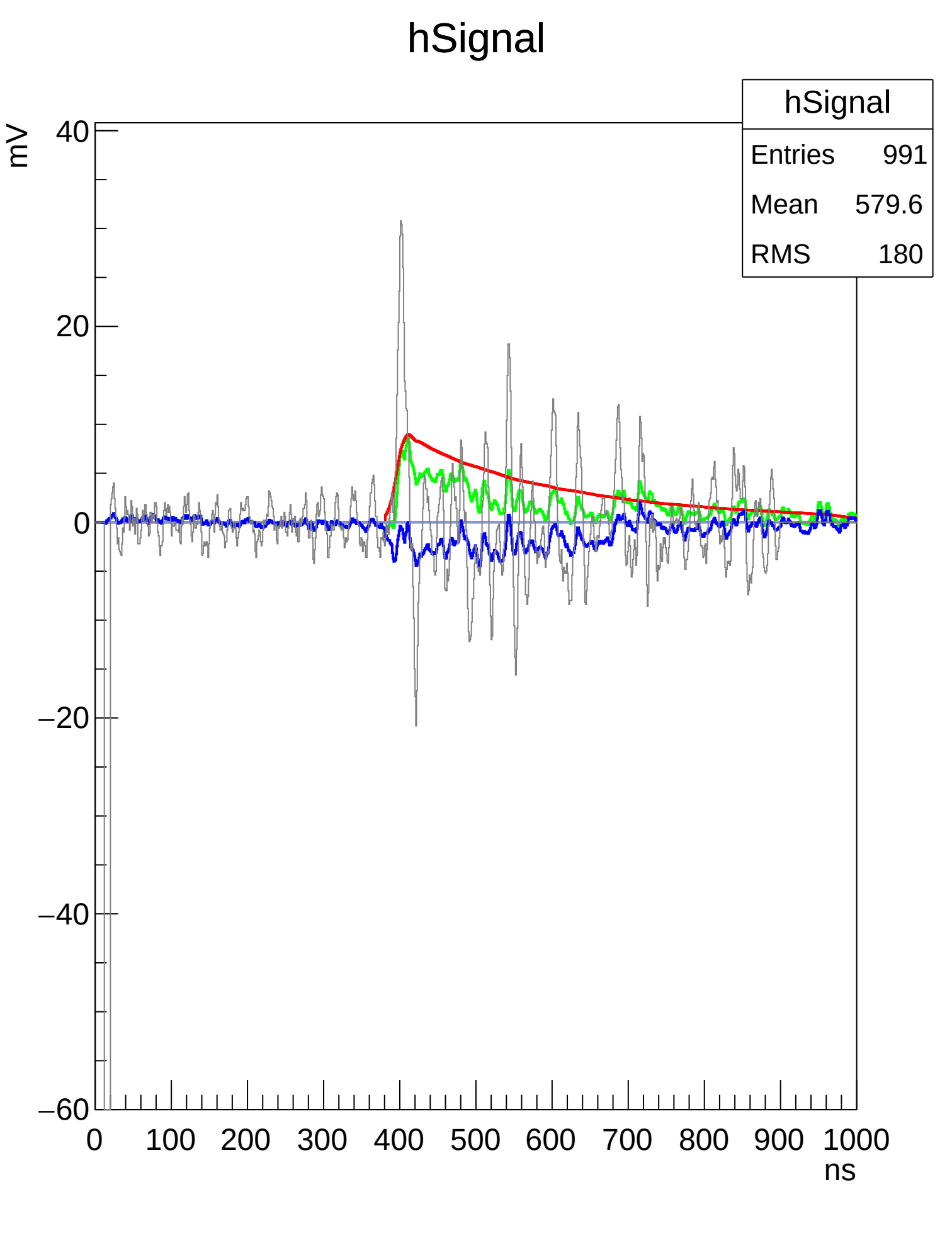
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.9
RMS 91.81
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 180
mV
40
20
0
−20
−40
−60
0
100
200
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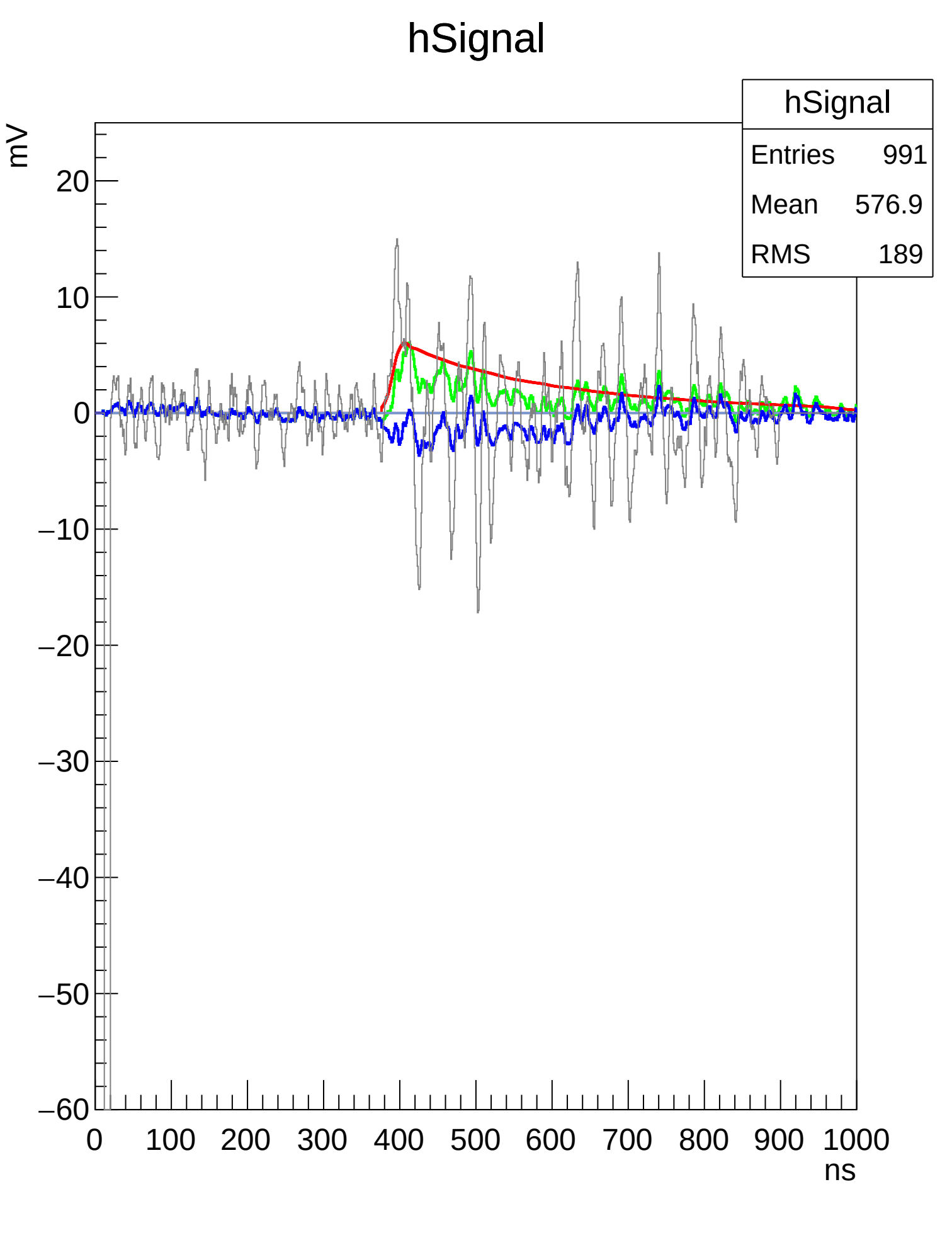
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.9
RMS 189
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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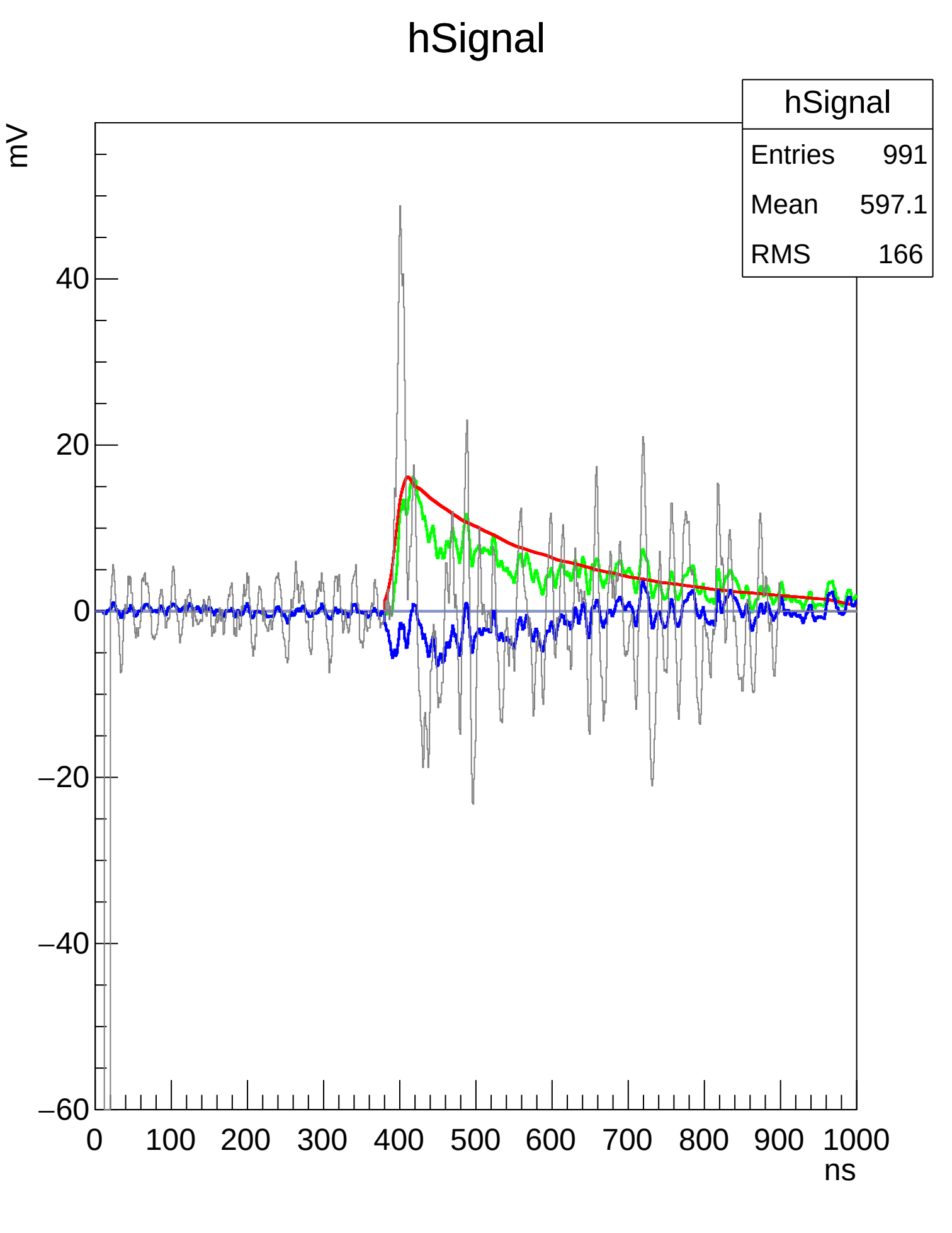
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.1
RMS 166
mV
40
20
0
−20
−40
−60
0
100
200
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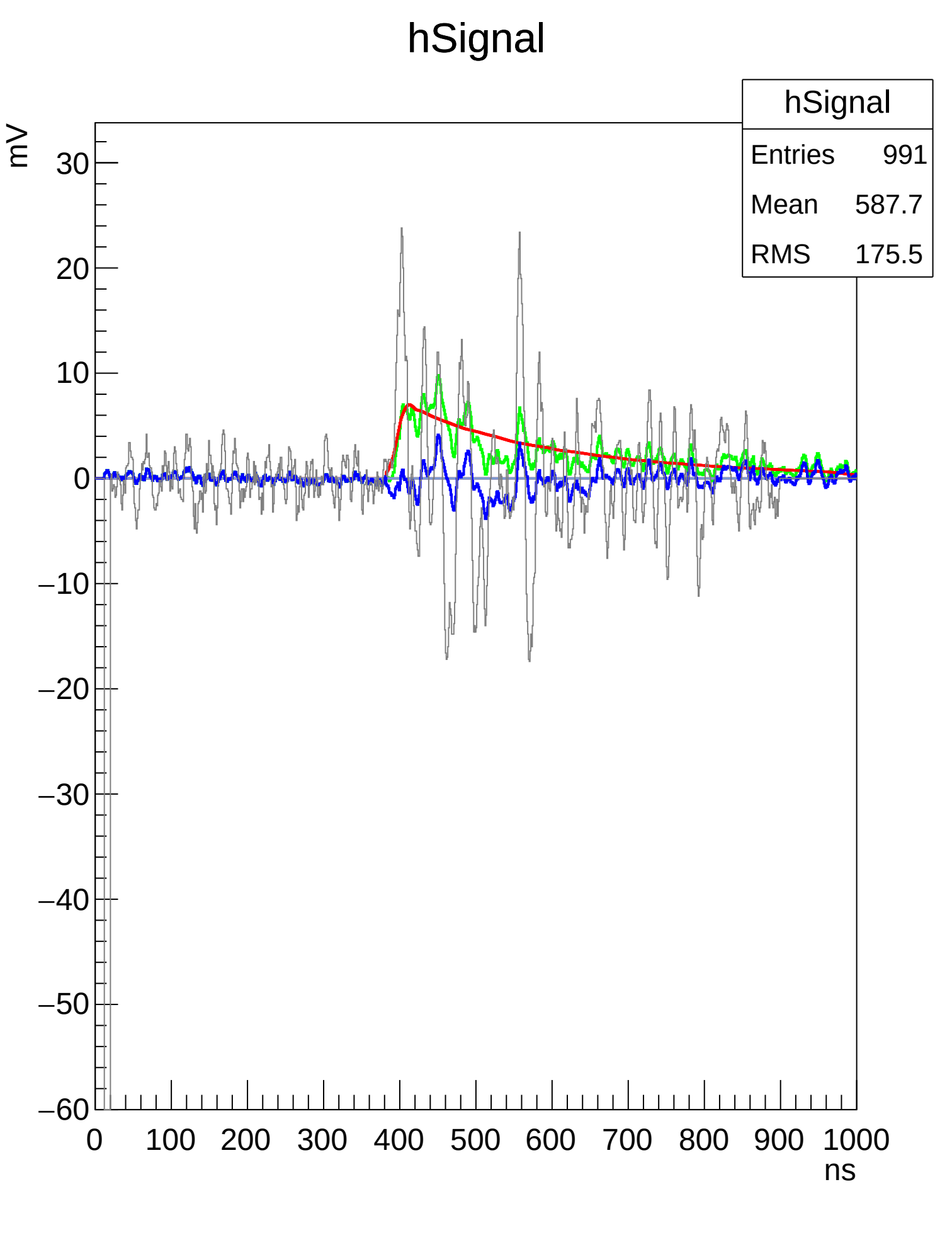
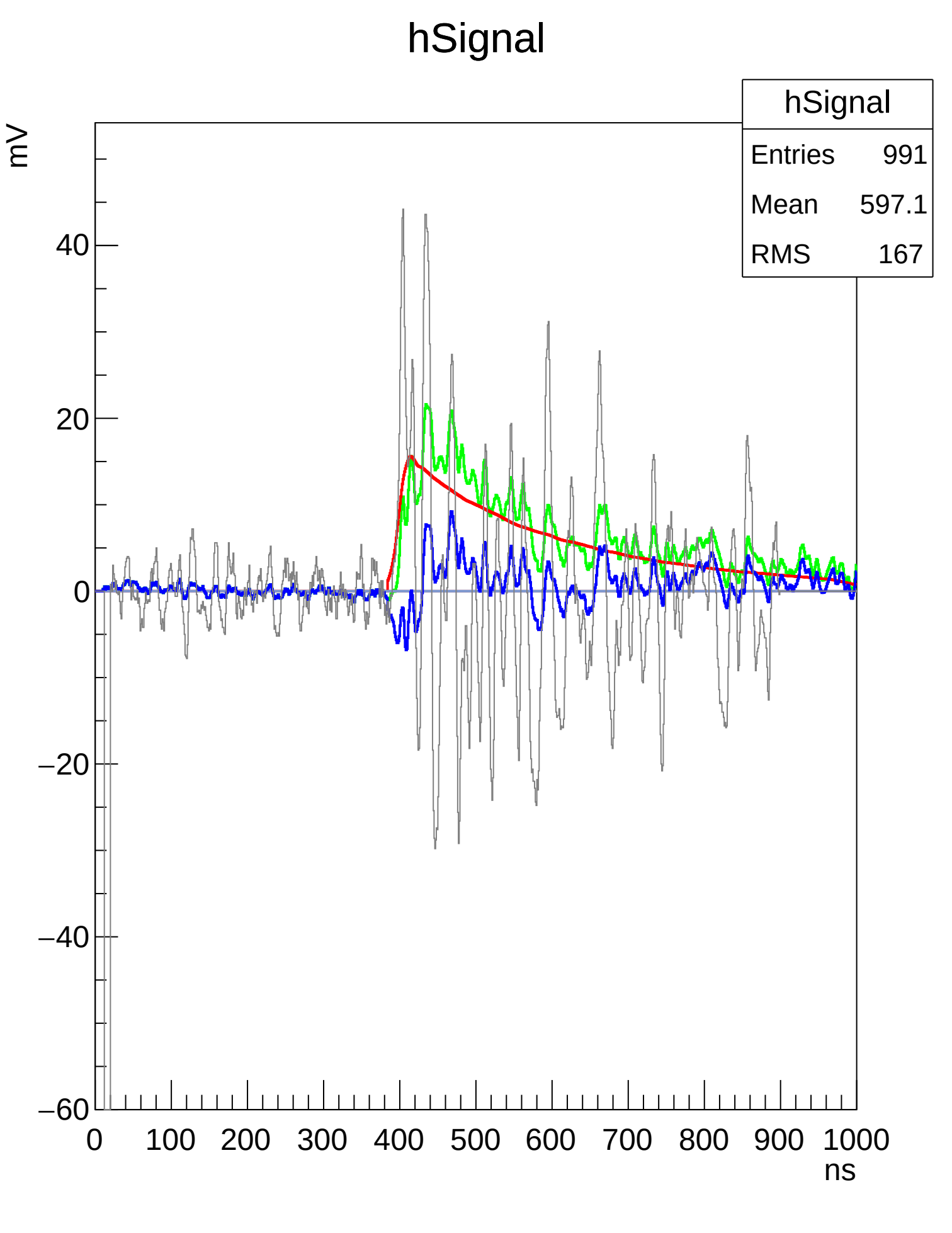
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.7
RMS 175.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.1
RMS 167
mV
40
20
0
−20
−40
−60
0
100
200
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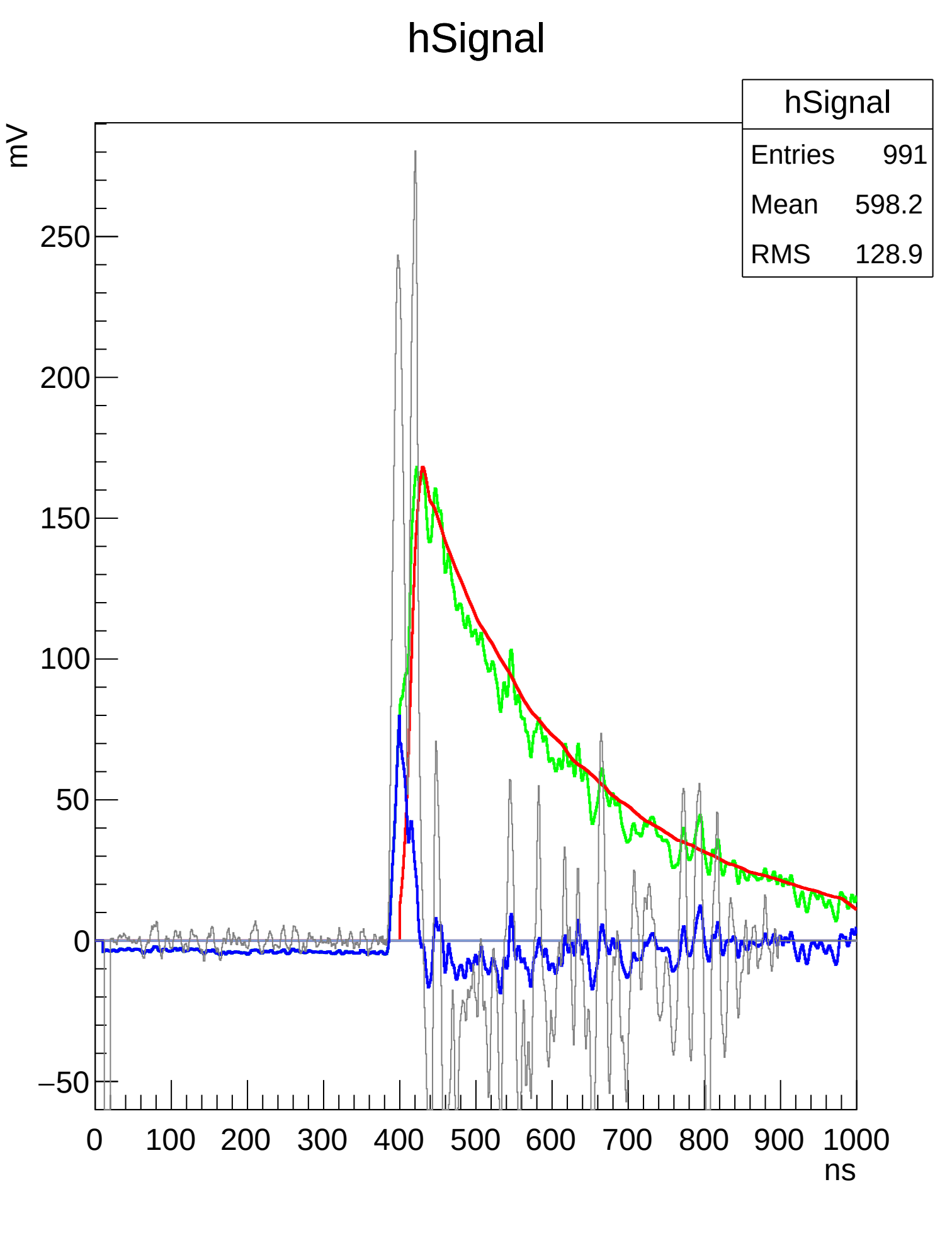
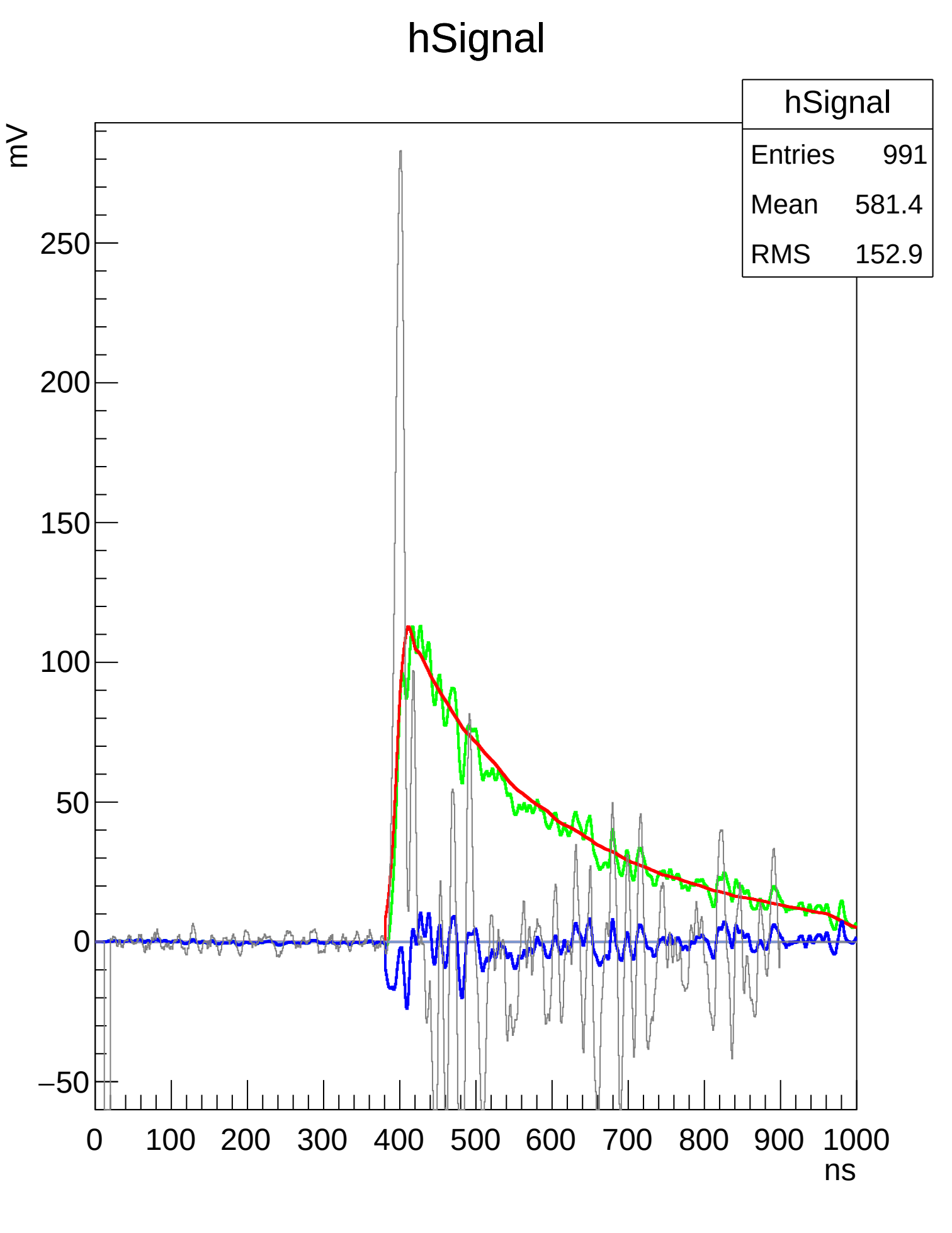
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.2
RMS 128.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.4
RMS 152.9
mV
250
200
150
100
50
0
−50
0
100
200
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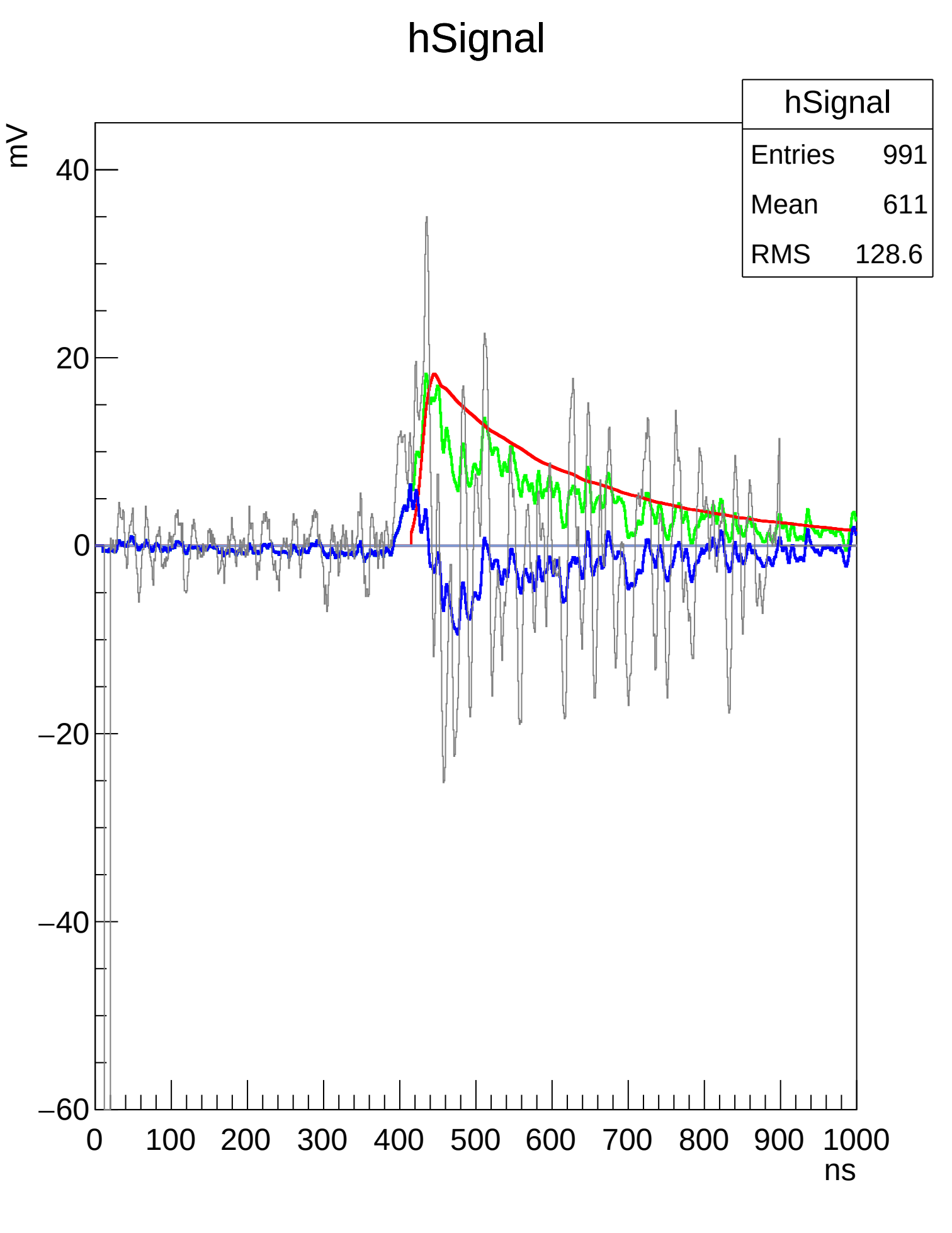
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611
RMS 128.6
mV
40
20
0
−20
−40
−60
0
100
200
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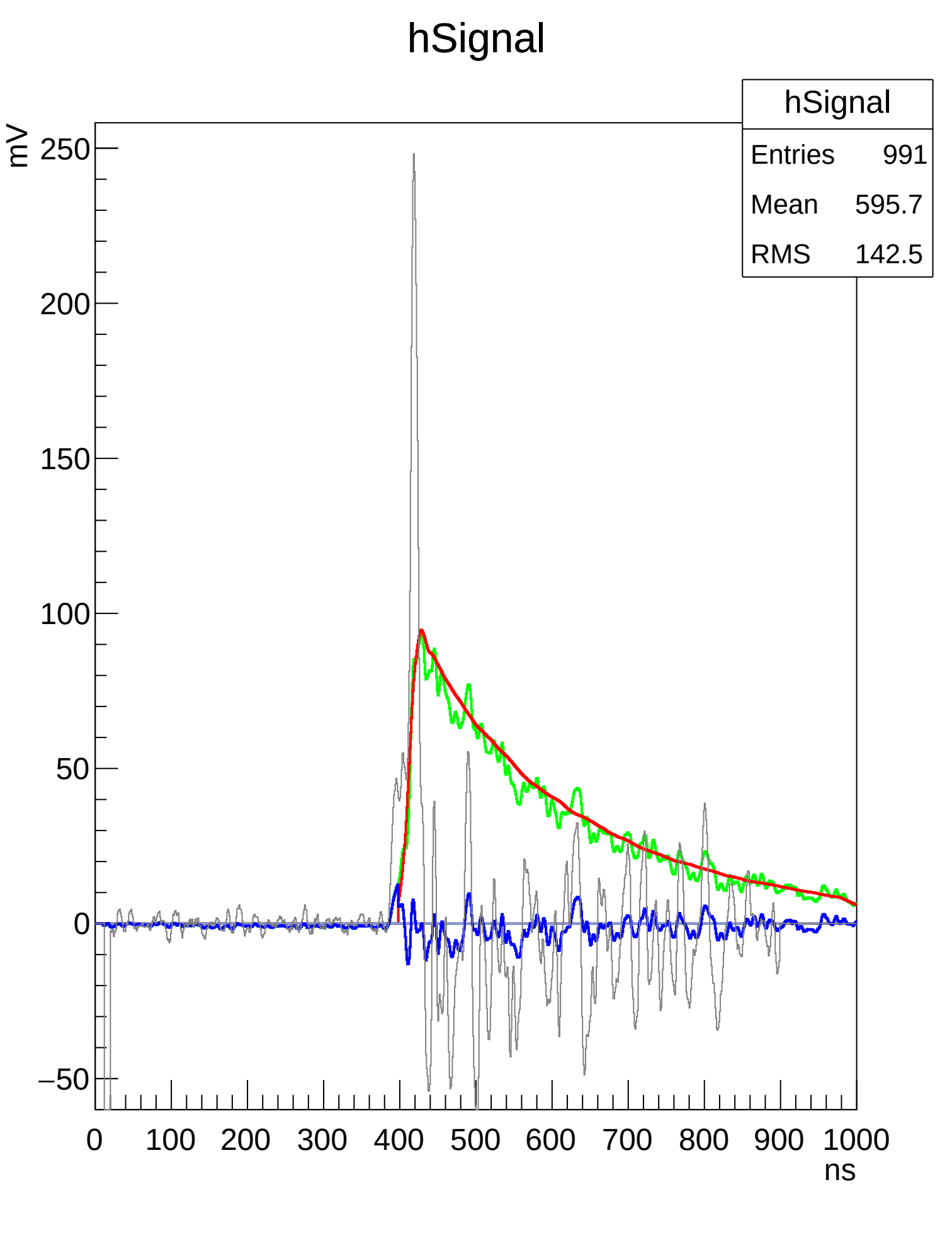
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.7
RMS 142.5
mV
250
200
150
100
50
0
−50
0
100
200
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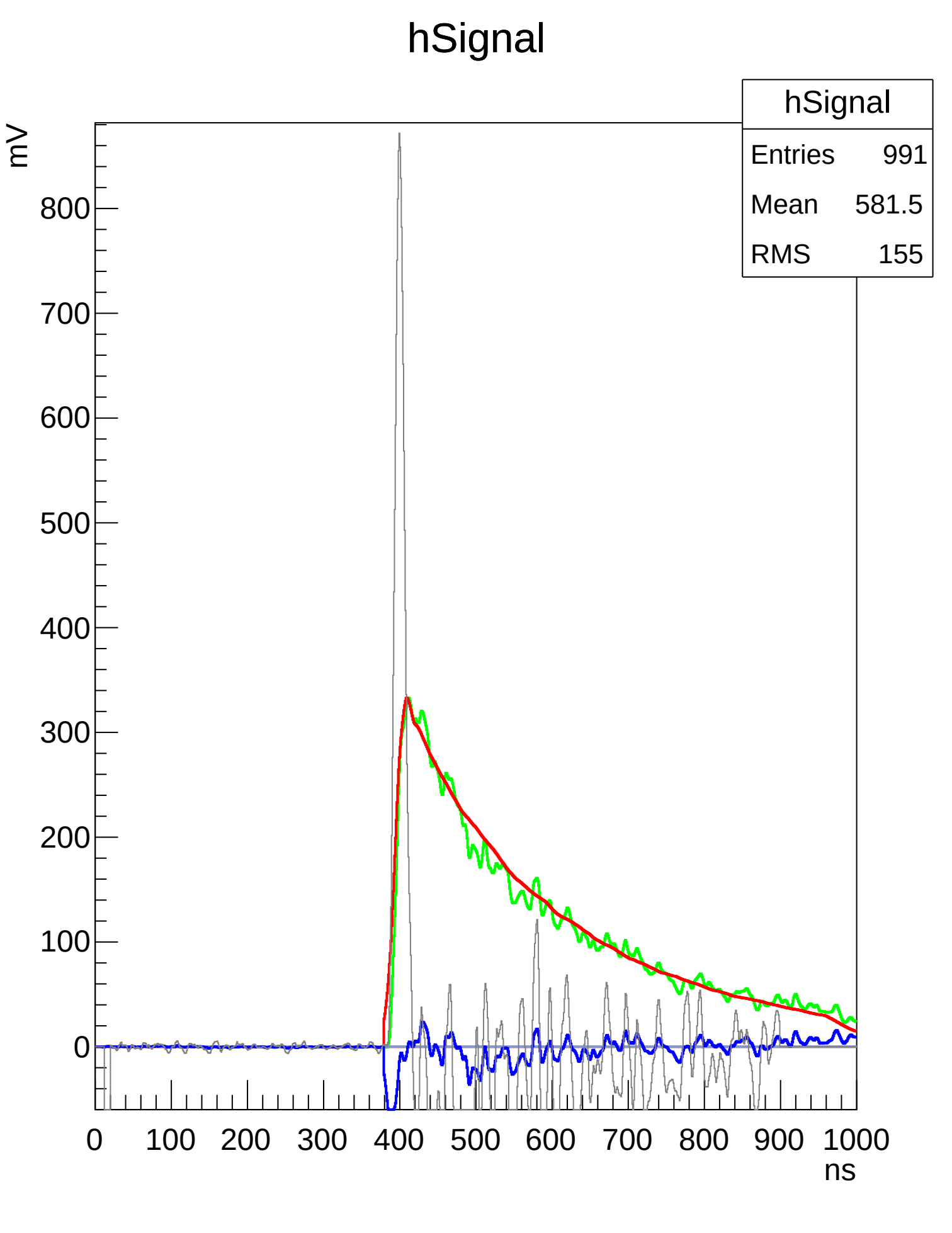
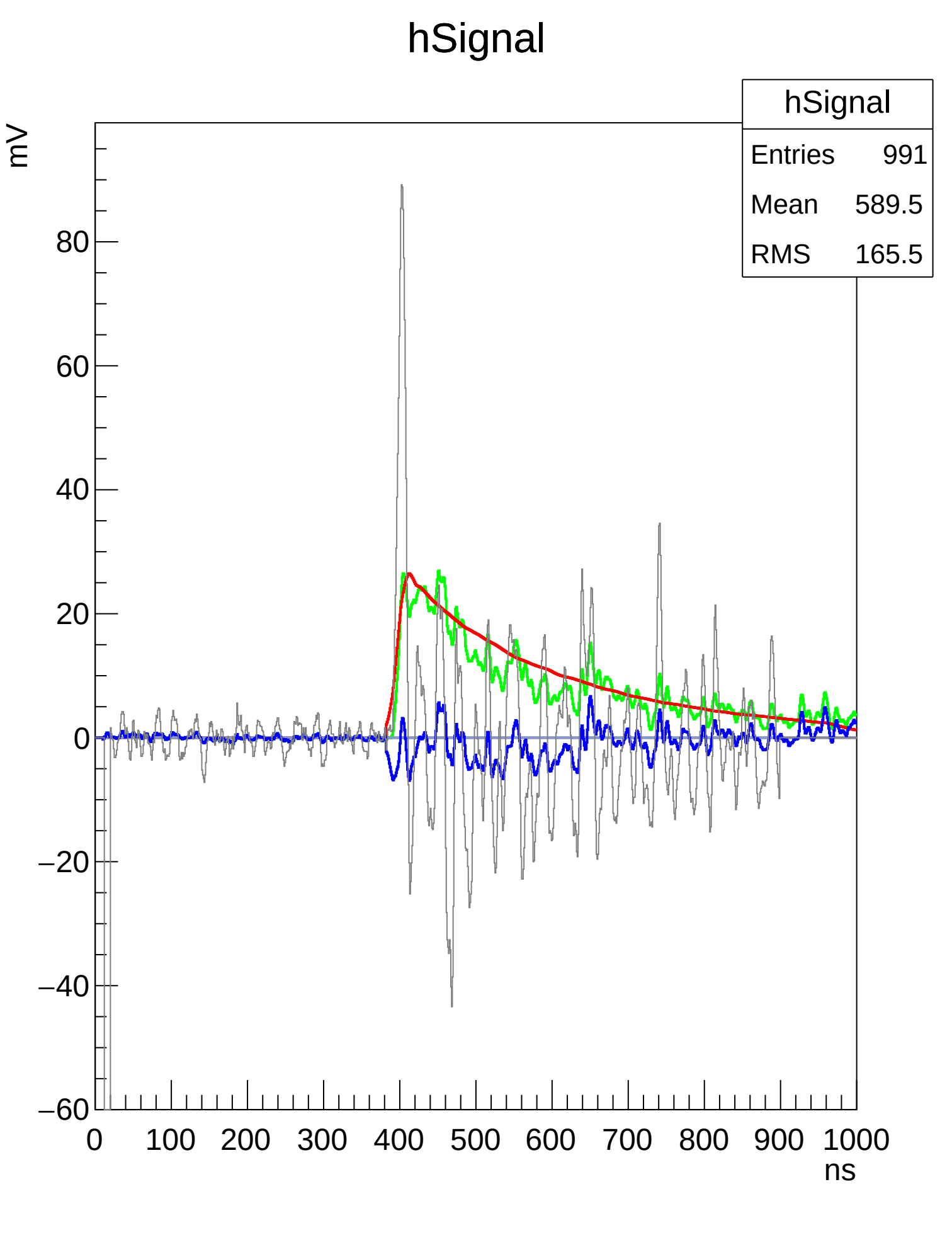
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.5
RMS 155
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.5
RMS 165.5
mV
80
60
40
20
0
−20
−40
−60
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100
200
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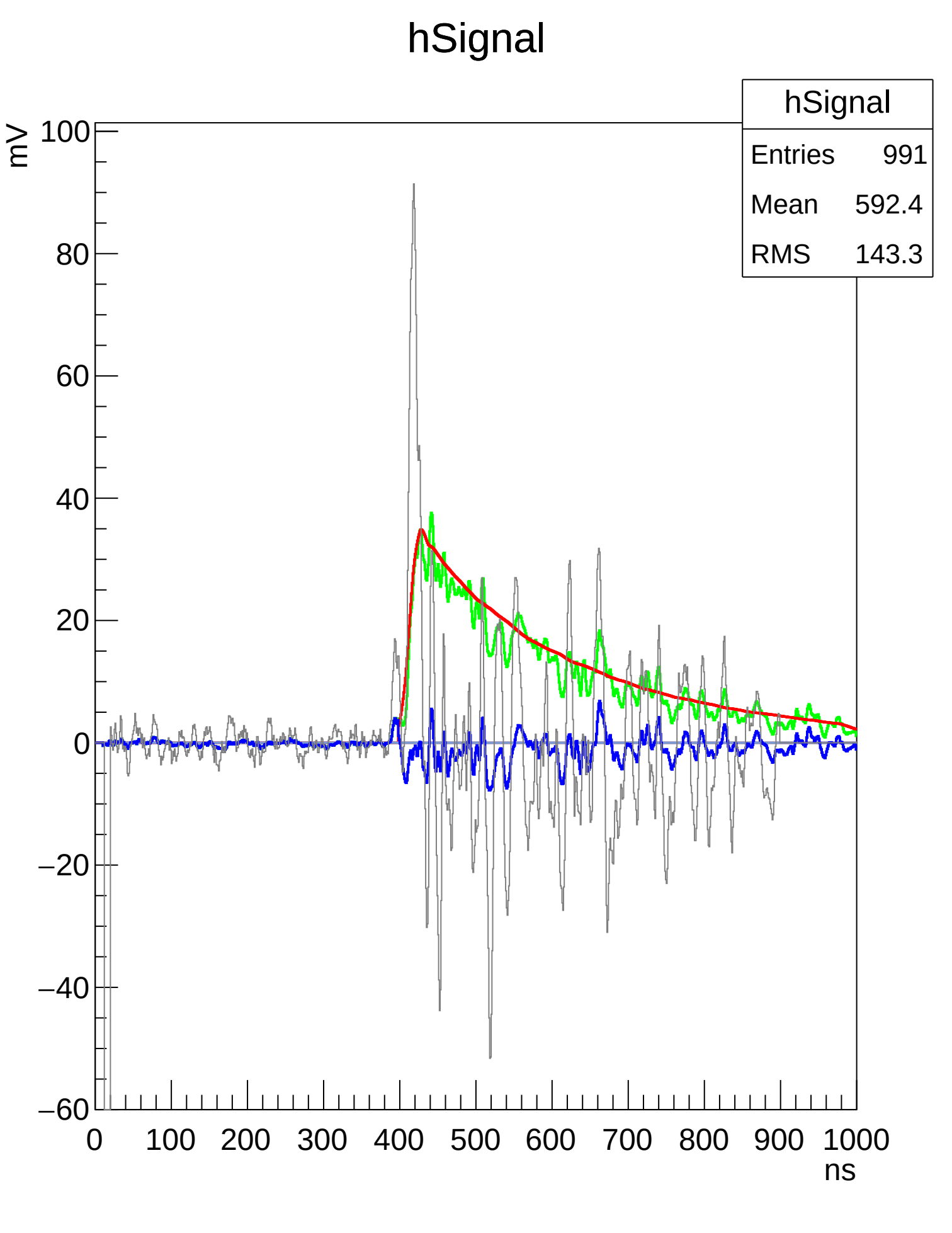
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.4
RMS 143.3
mV
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
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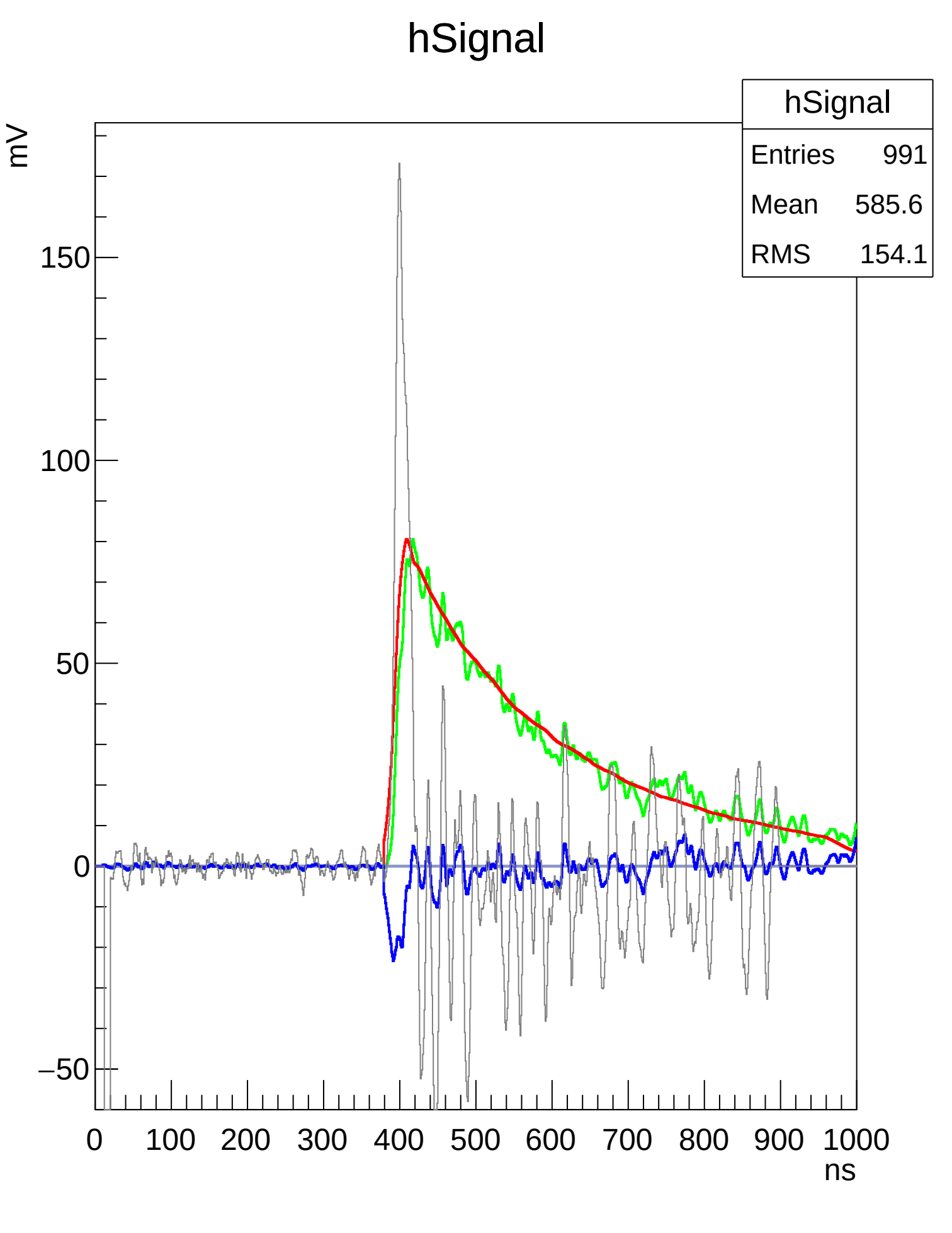
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.6
RMS 154.1
mV
150
100
50
0
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0
100
200
300
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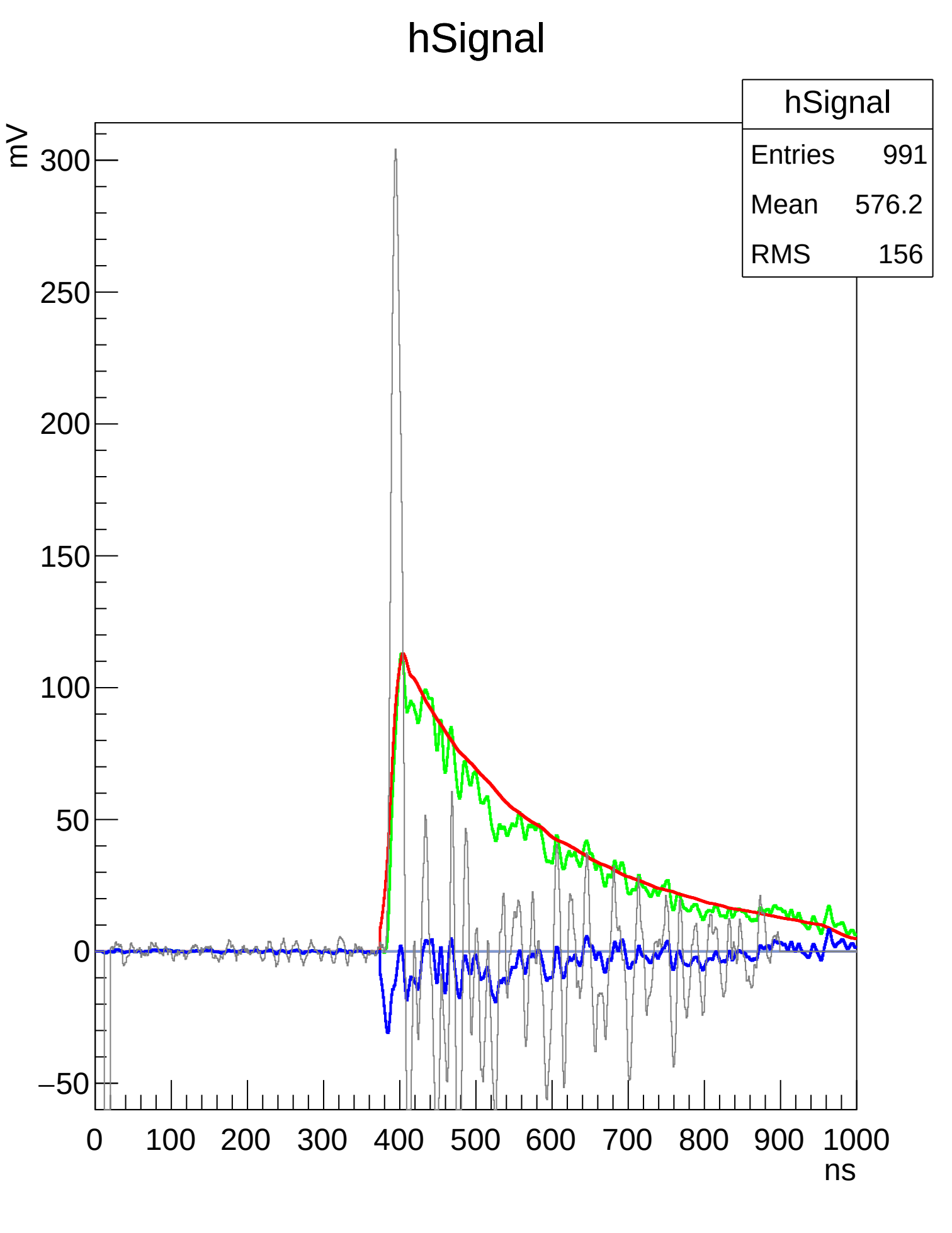
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.2
RMS 156
mV
300
250
200
150
100
50
0
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0
100
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600
700
800
900
1000
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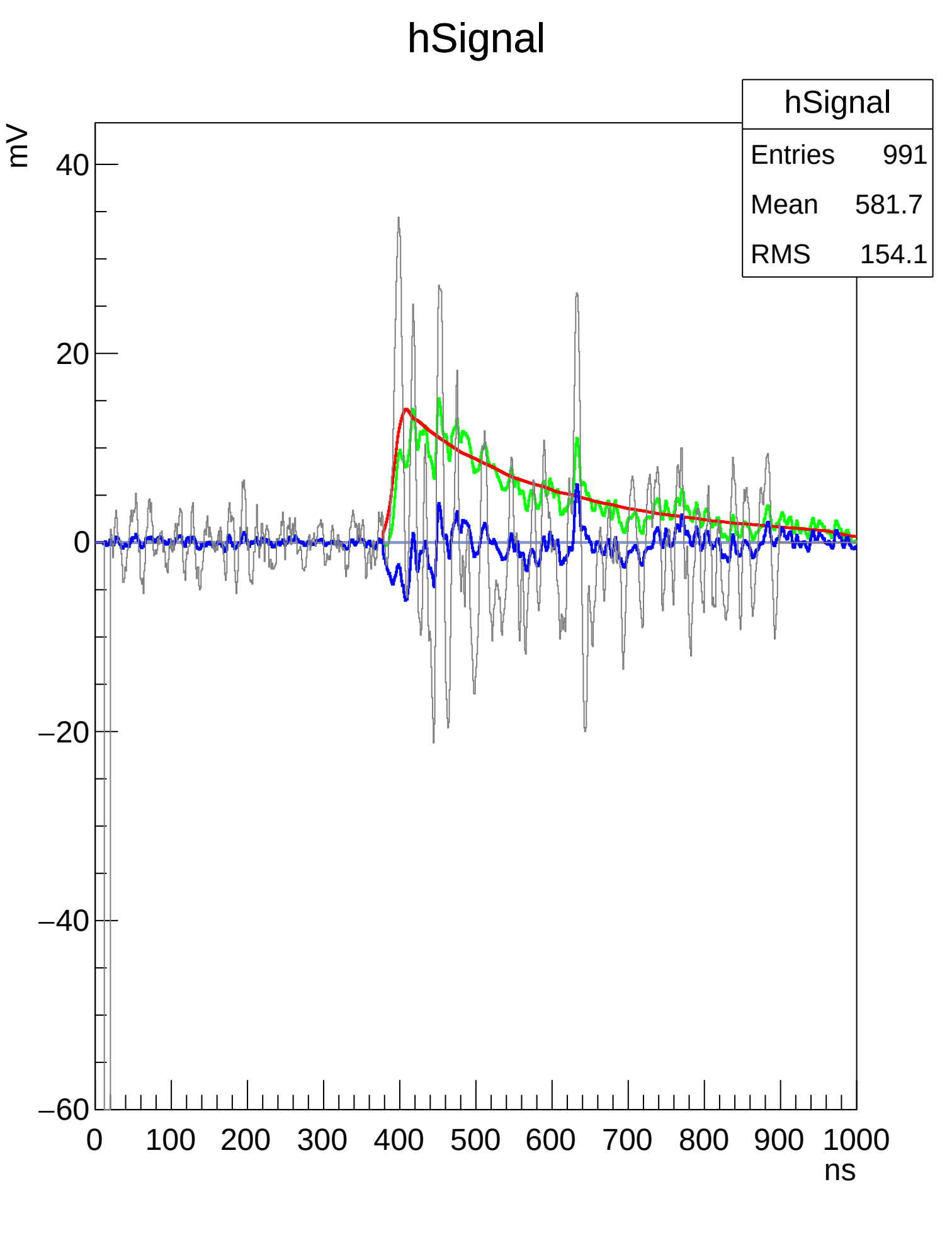
hSignal
hSignal
Entries 991
Mean 581.7
RMS 154.1
mV
40
20
0
−20
−40
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0
100
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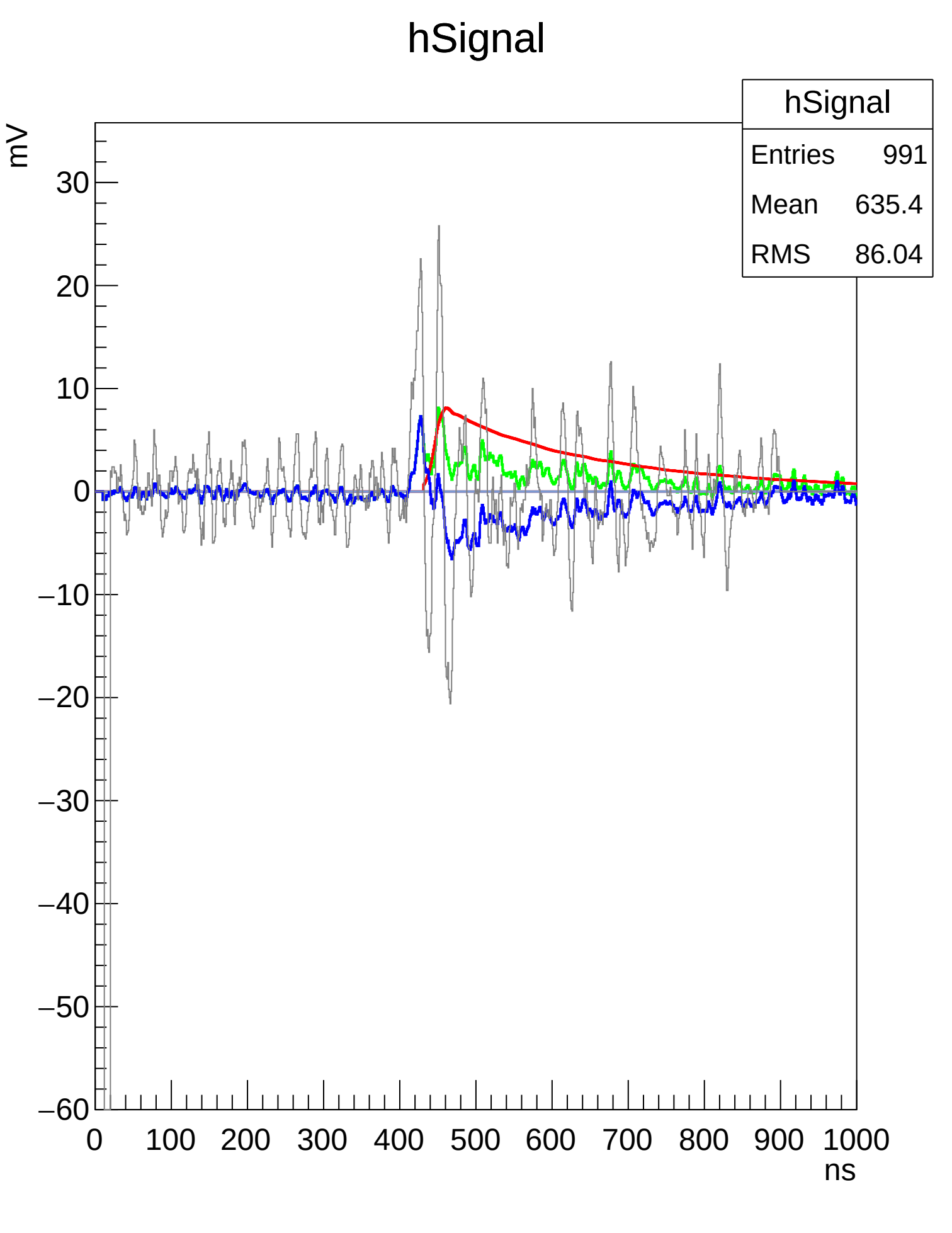
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 635.4
RMS 86.04
mV
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20
10
0
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−40
−50
−60
0
100
200
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400
500
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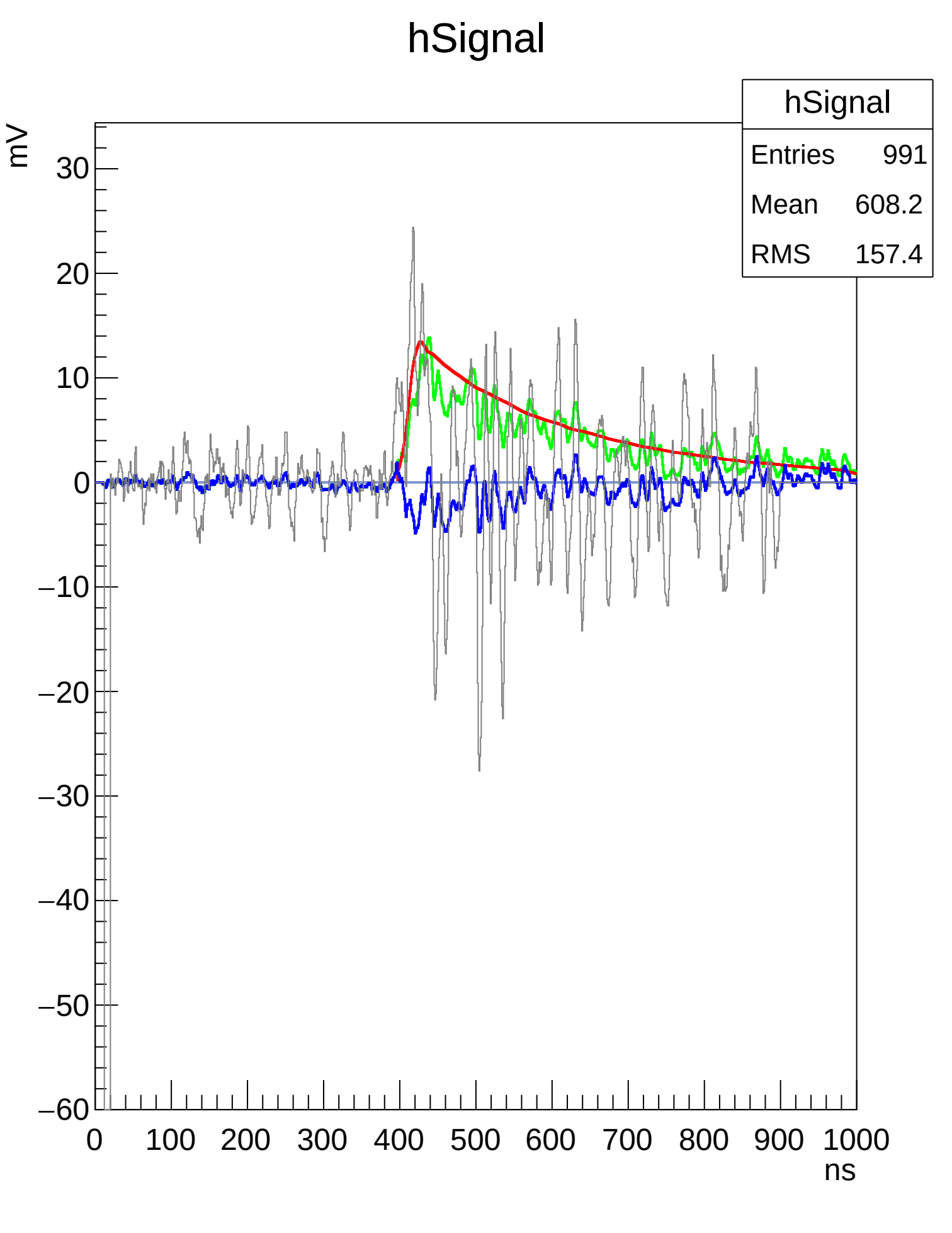
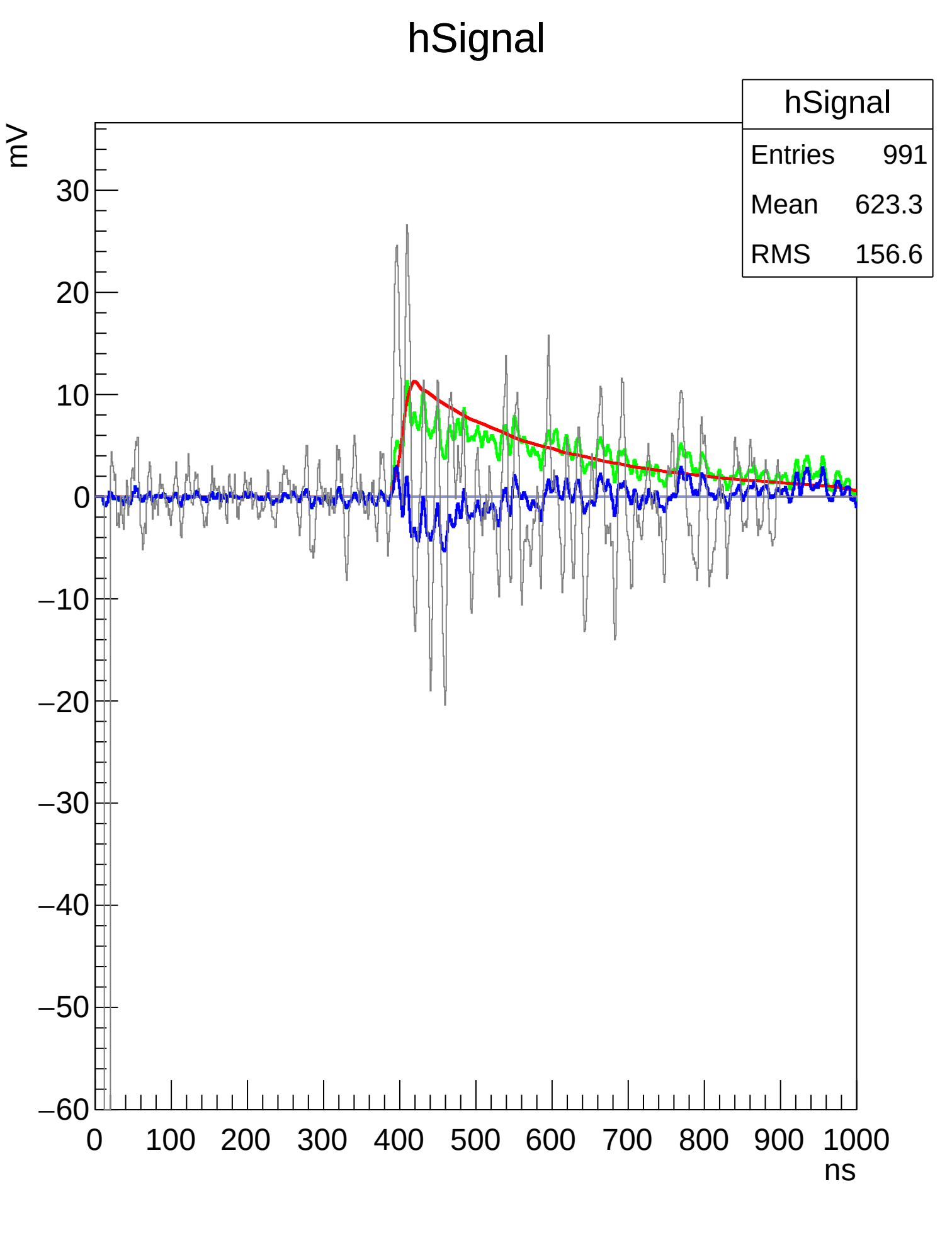
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.2
RMS 157.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.3
RMS 156.6
mV
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10
0
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−50
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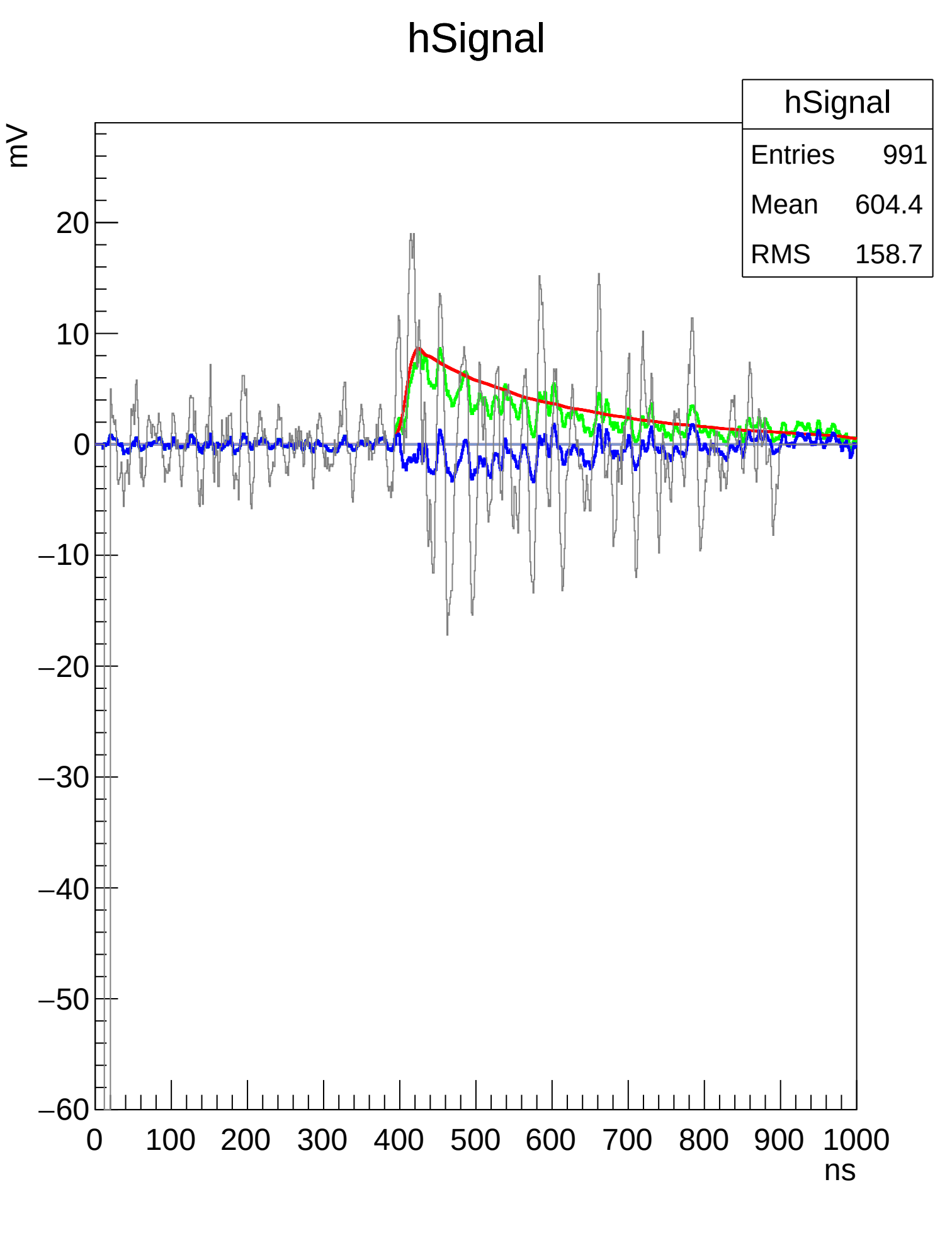
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.4
RMS 158.7
mV
20
10
0
−10
−20
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−40
−50
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0
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200
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400
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600
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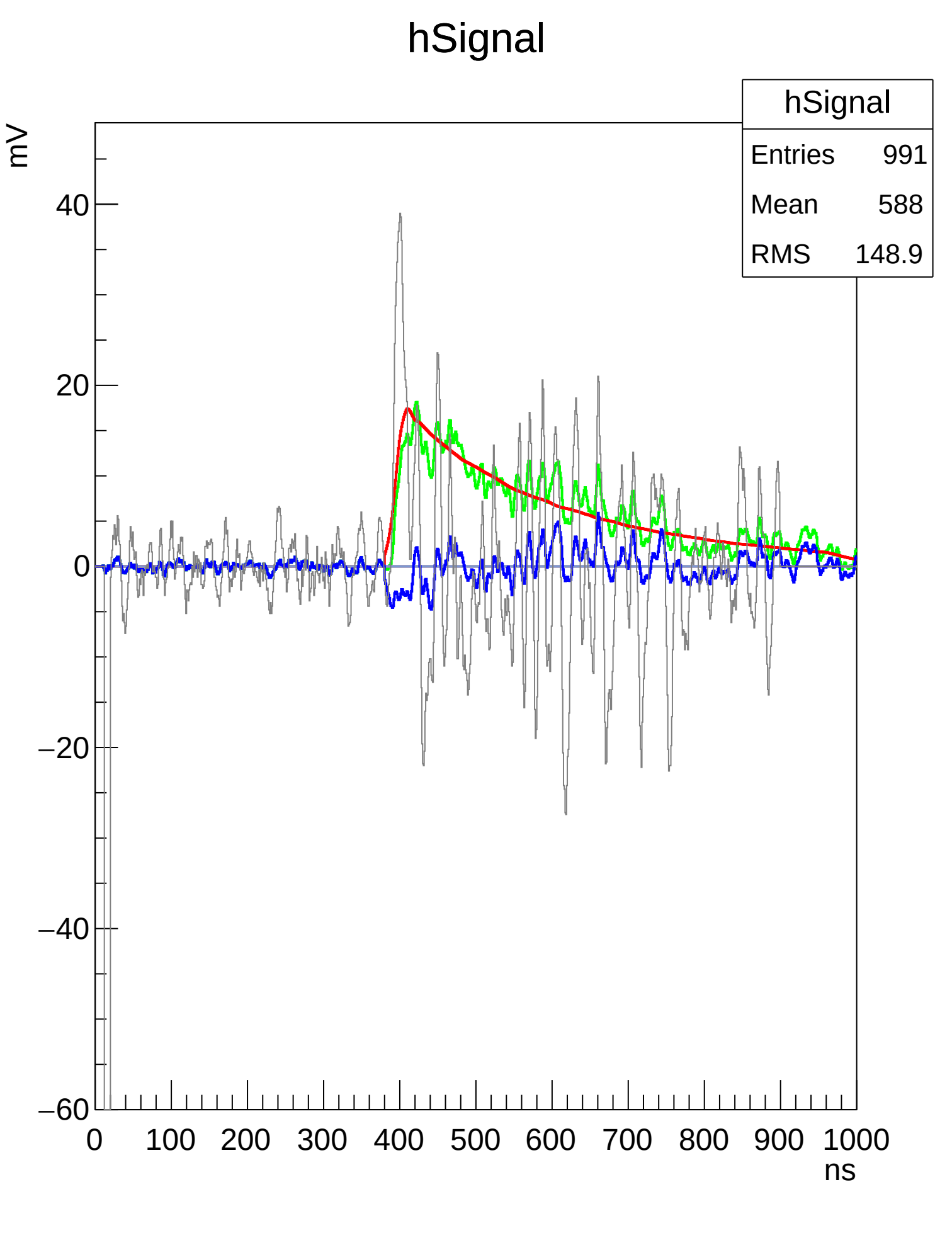
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 148.9
mV
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−20
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0
100
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800
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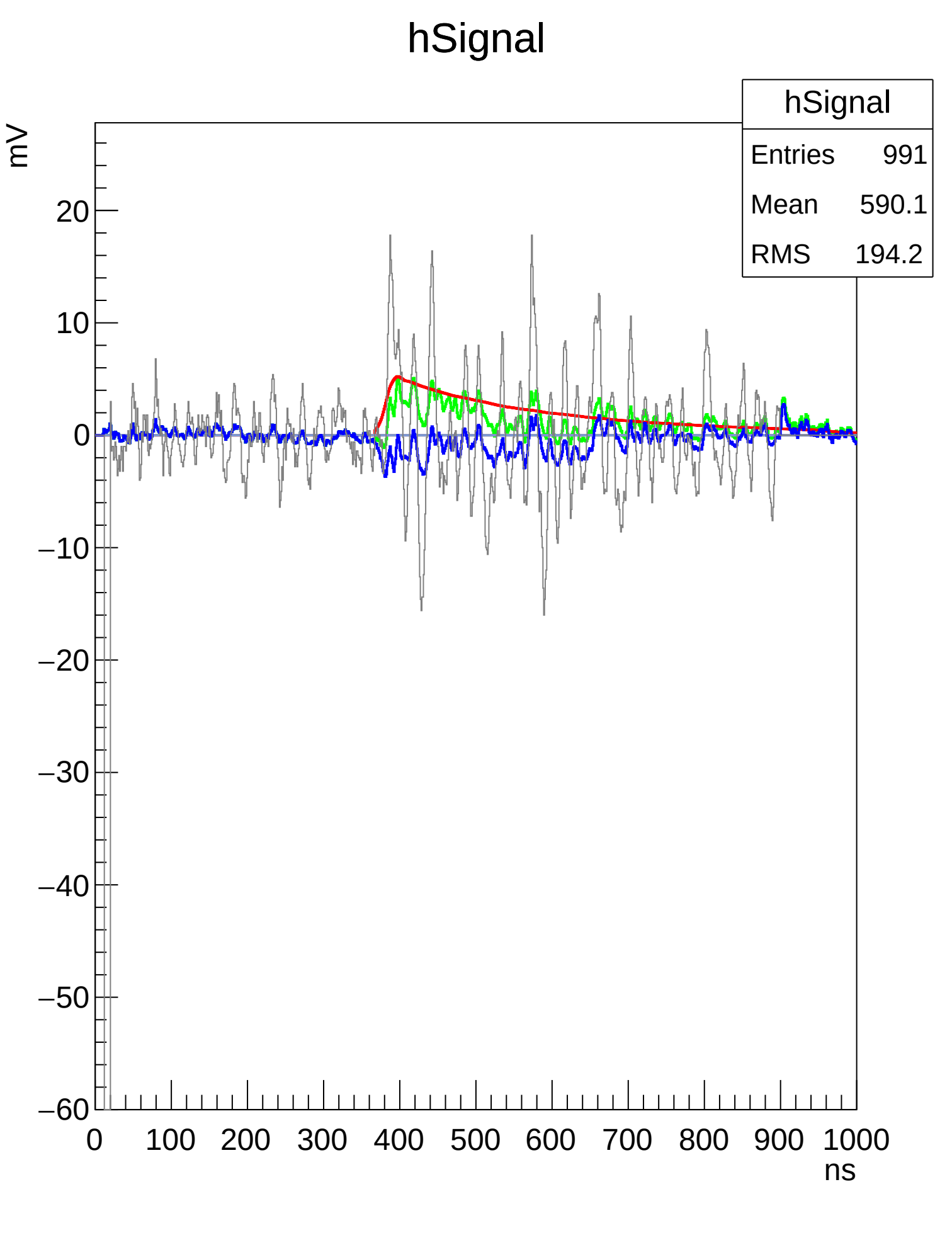
1000
ns


hSignal
hSignal
Entries 991
Mean 590.1
RMS 194.2
mV
20
10
0
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−20
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−40
−50
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0
100
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400
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800
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1000
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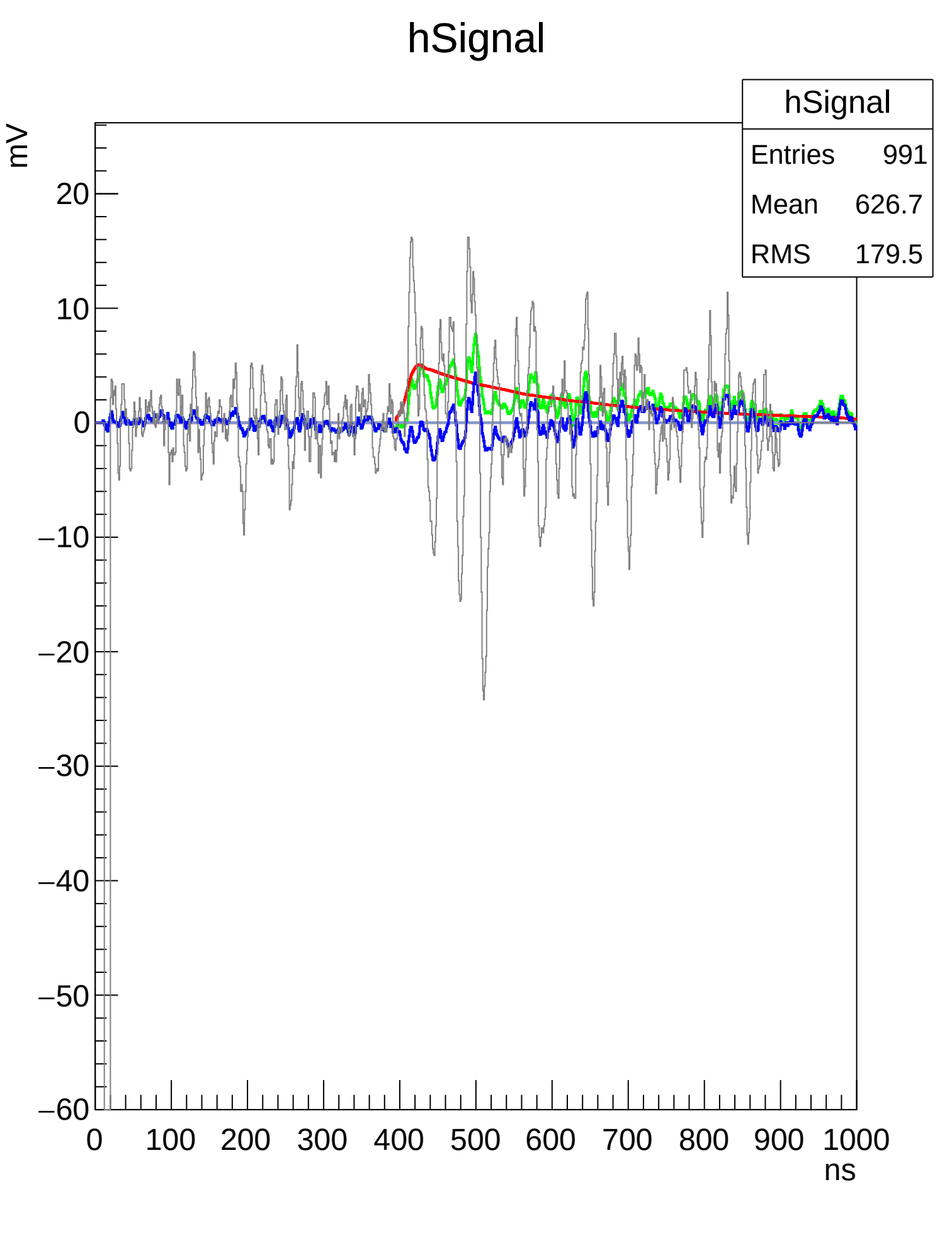
hSignal
hSignal
Entries 991
Mean 626.7
RMS 179.5
mV
20
10
0
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−20
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−50
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1000
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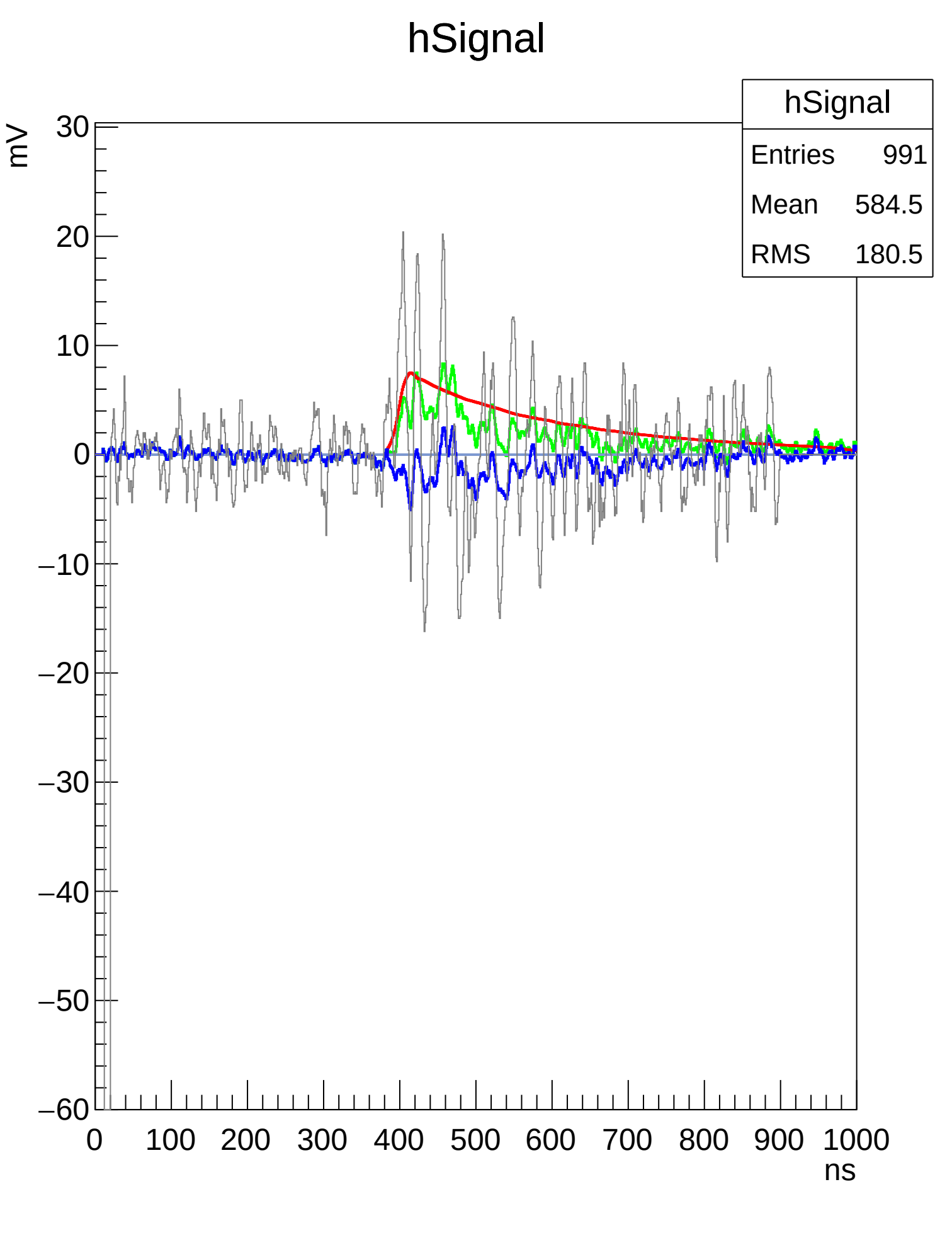
hSignal
hSignal
Entries 991
Mean 584.5
RMS 180.5
mV
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0
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800
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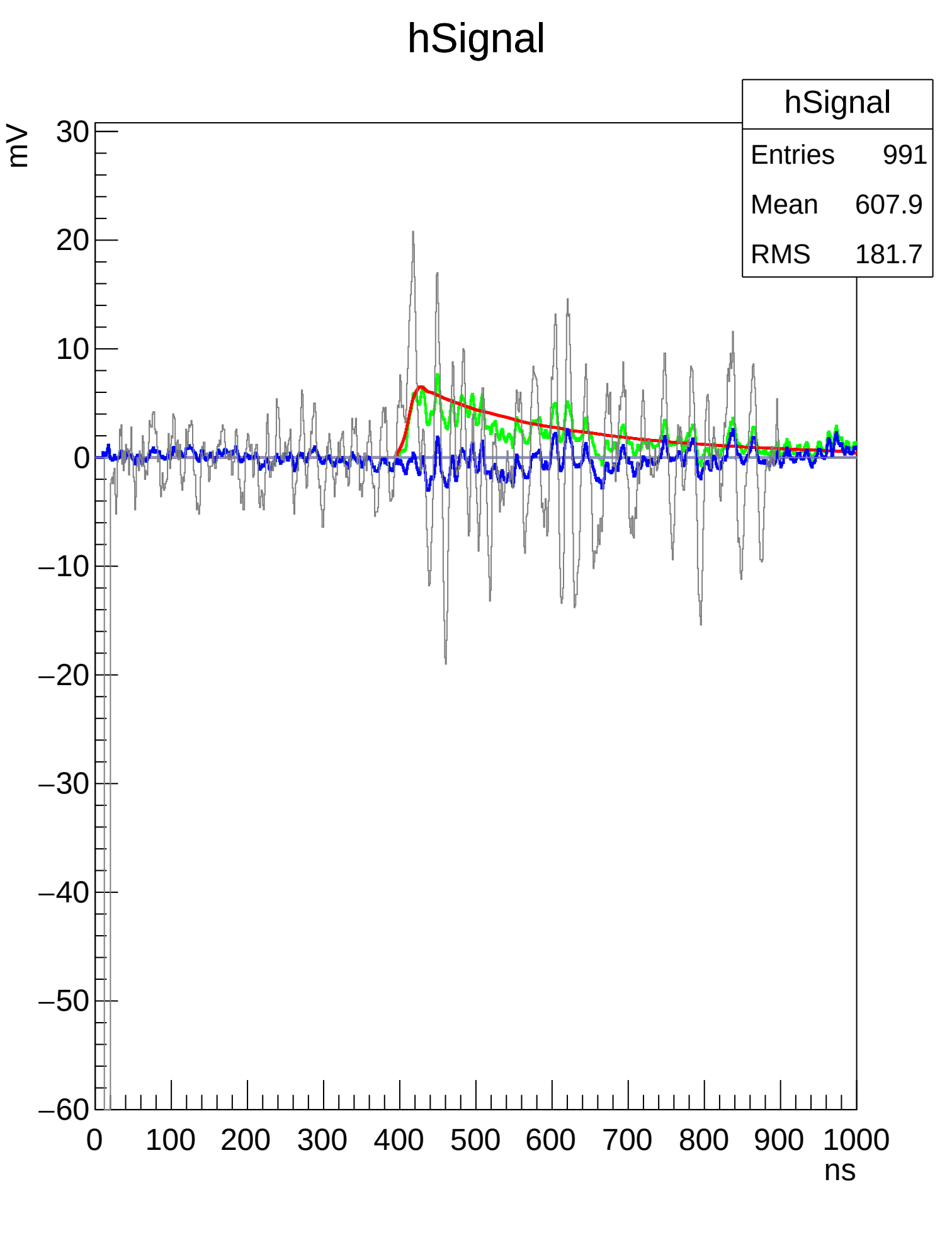
1000
ns


hSignal
hSignal
Entries 991
Mean 607.9
RMS 181.7
mV
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20
10
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0
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800
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1000
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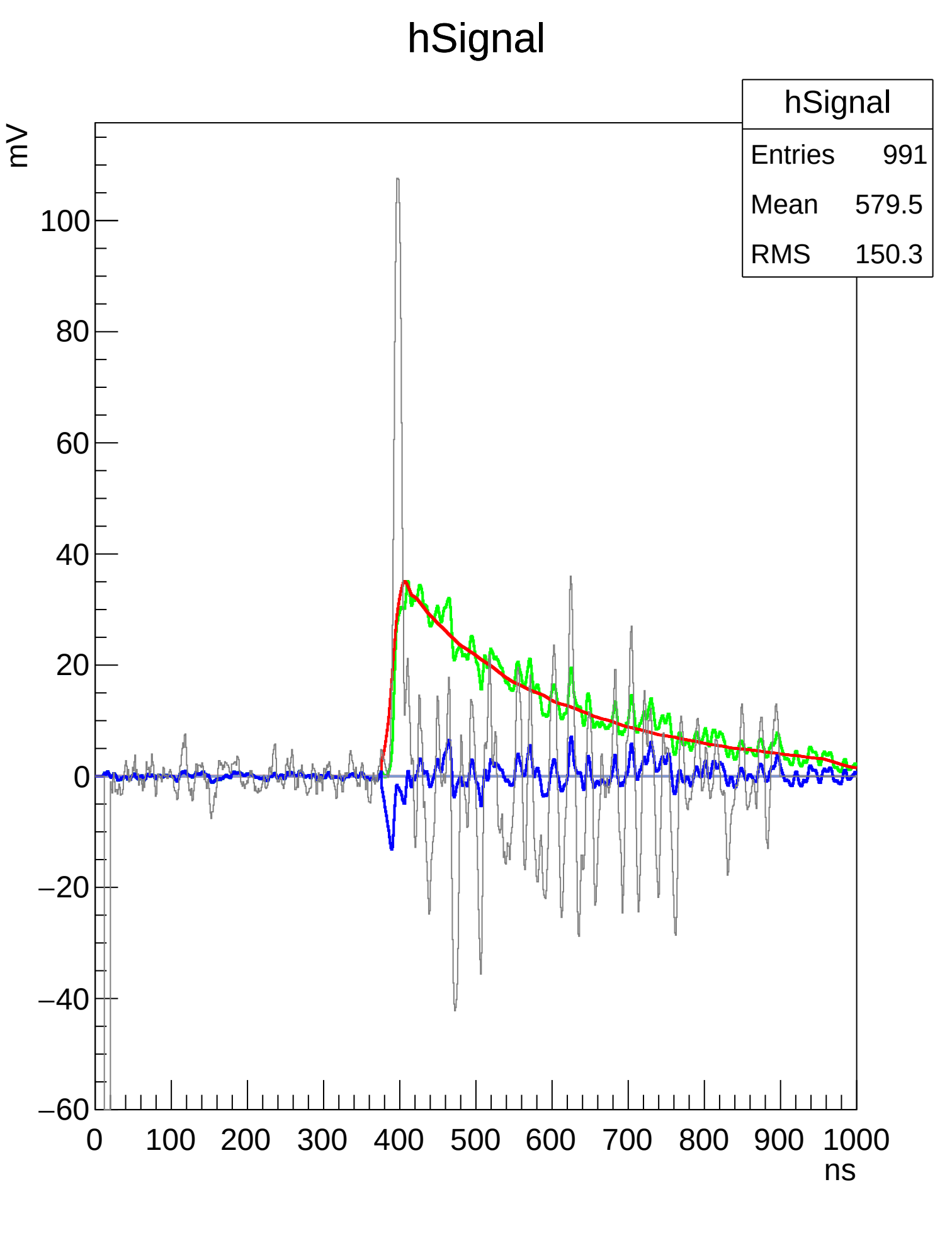
hSignal
hSignal
Entries 991
Mean 579.5
RMS 150.3
mV
100
80
60
40
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−20
−40
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0
100
200
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400
500
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1000
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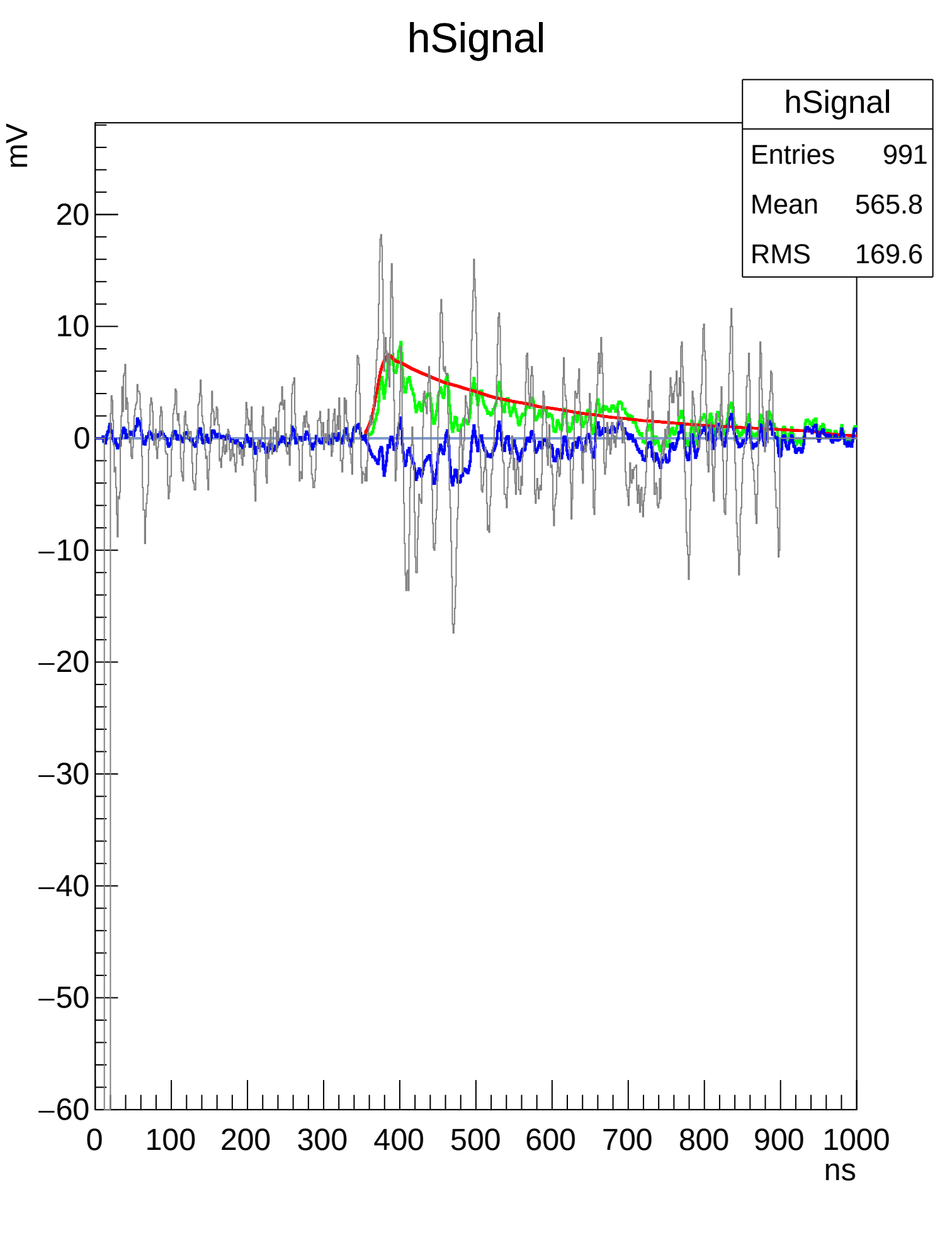
hSignal
hSignal
Entries 991
Mean 565.8
RMS 169.6
mV
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10
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0
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800
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1000
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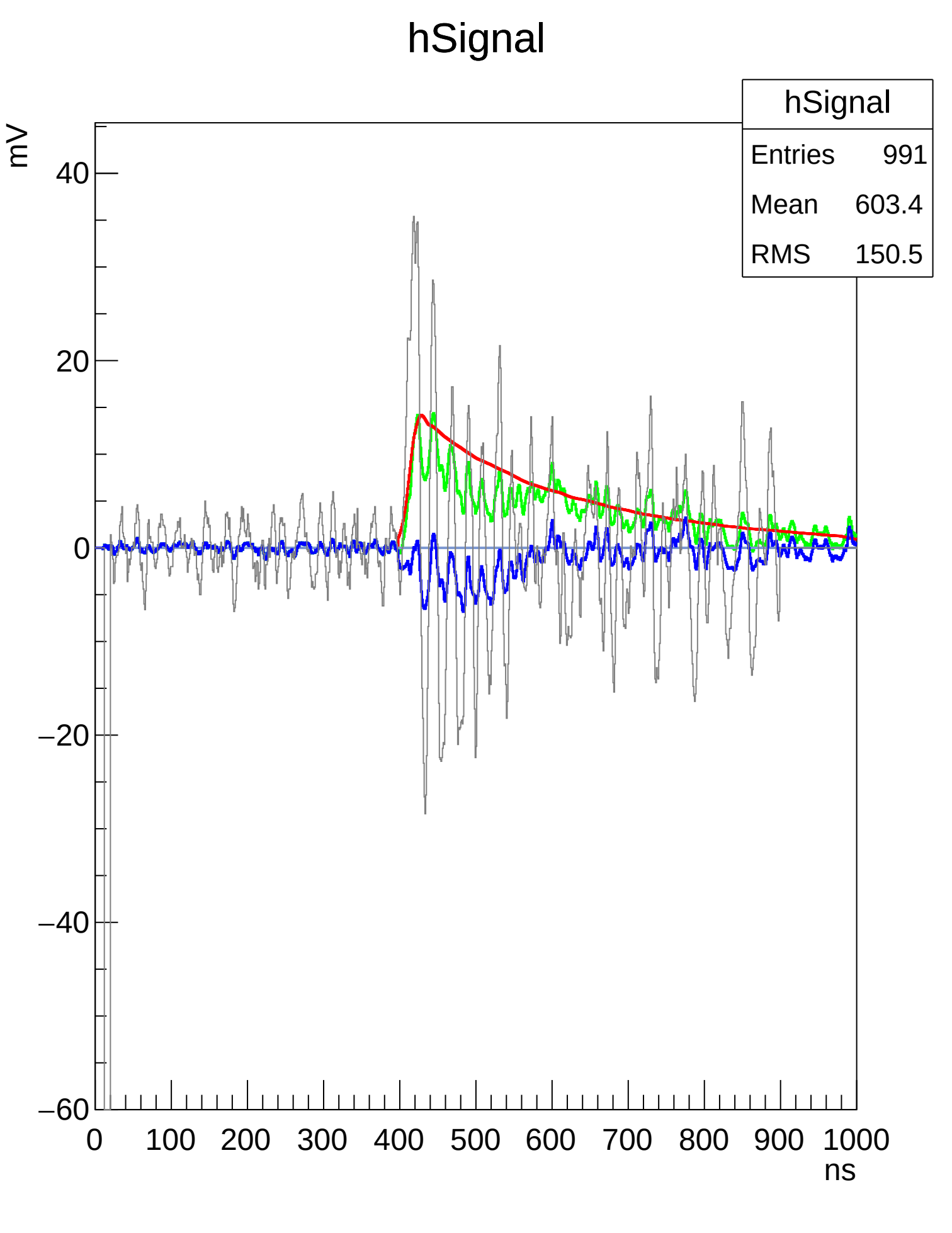
hSignal
hSignal
Entries 991
Mean 603.4
RMS 150.5
mV
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−40
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0
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1000
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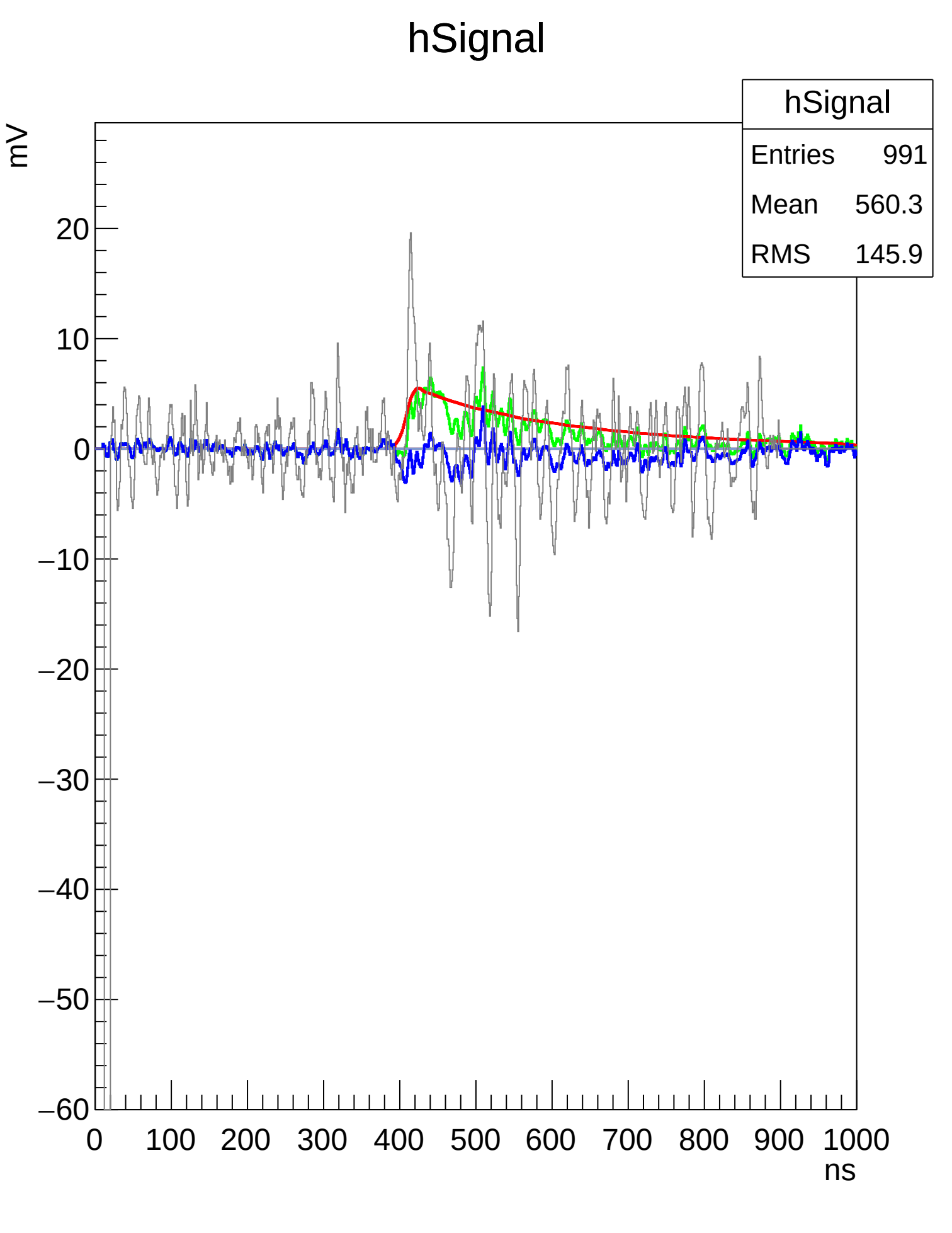
hSignal
hSignal
Entries 991
Mean 560.3
RMS 145.9
mV
20
10
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−50
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0
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300
400
500
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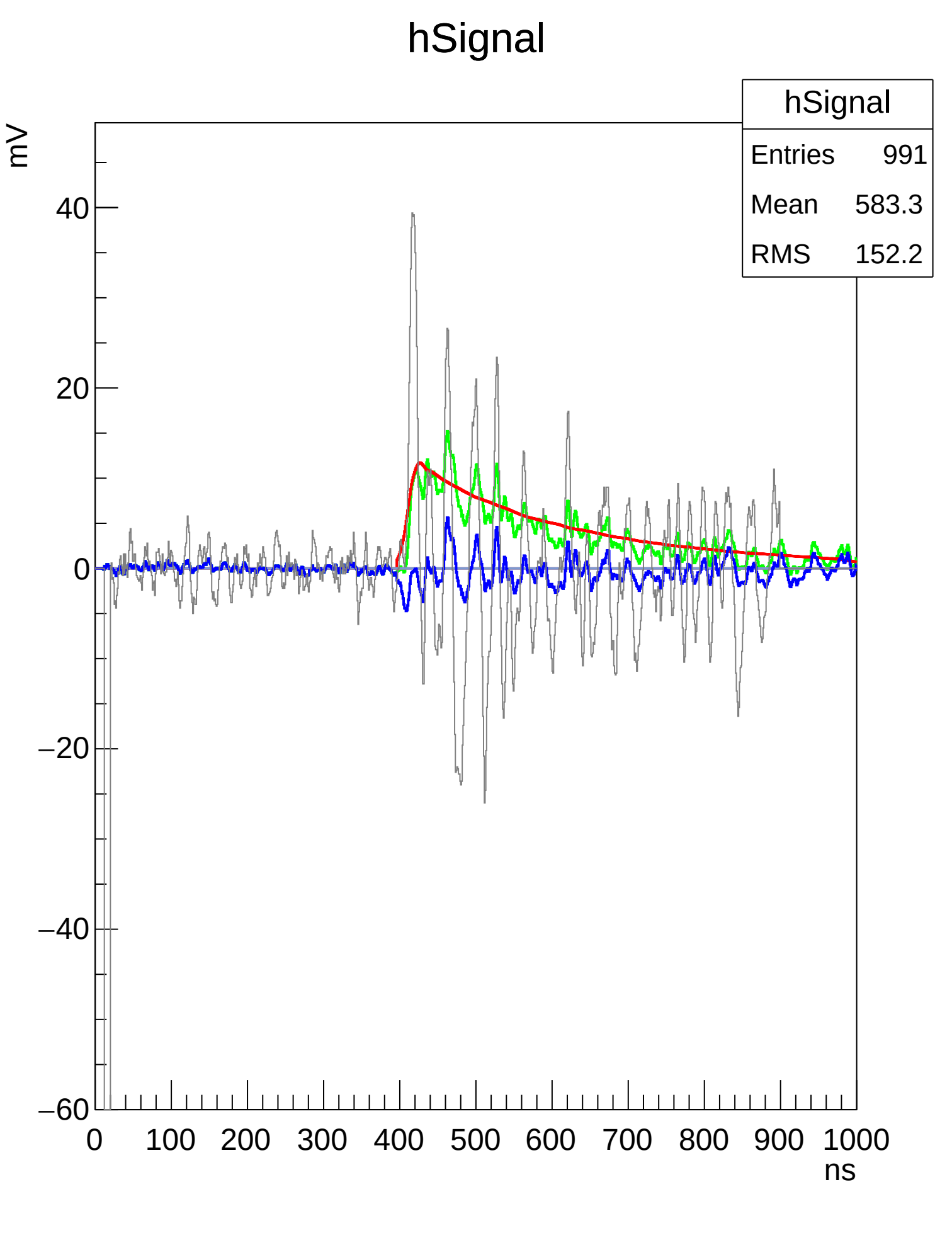
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 152.2
mV
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−20
−40
−60
0
100
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600
700
800
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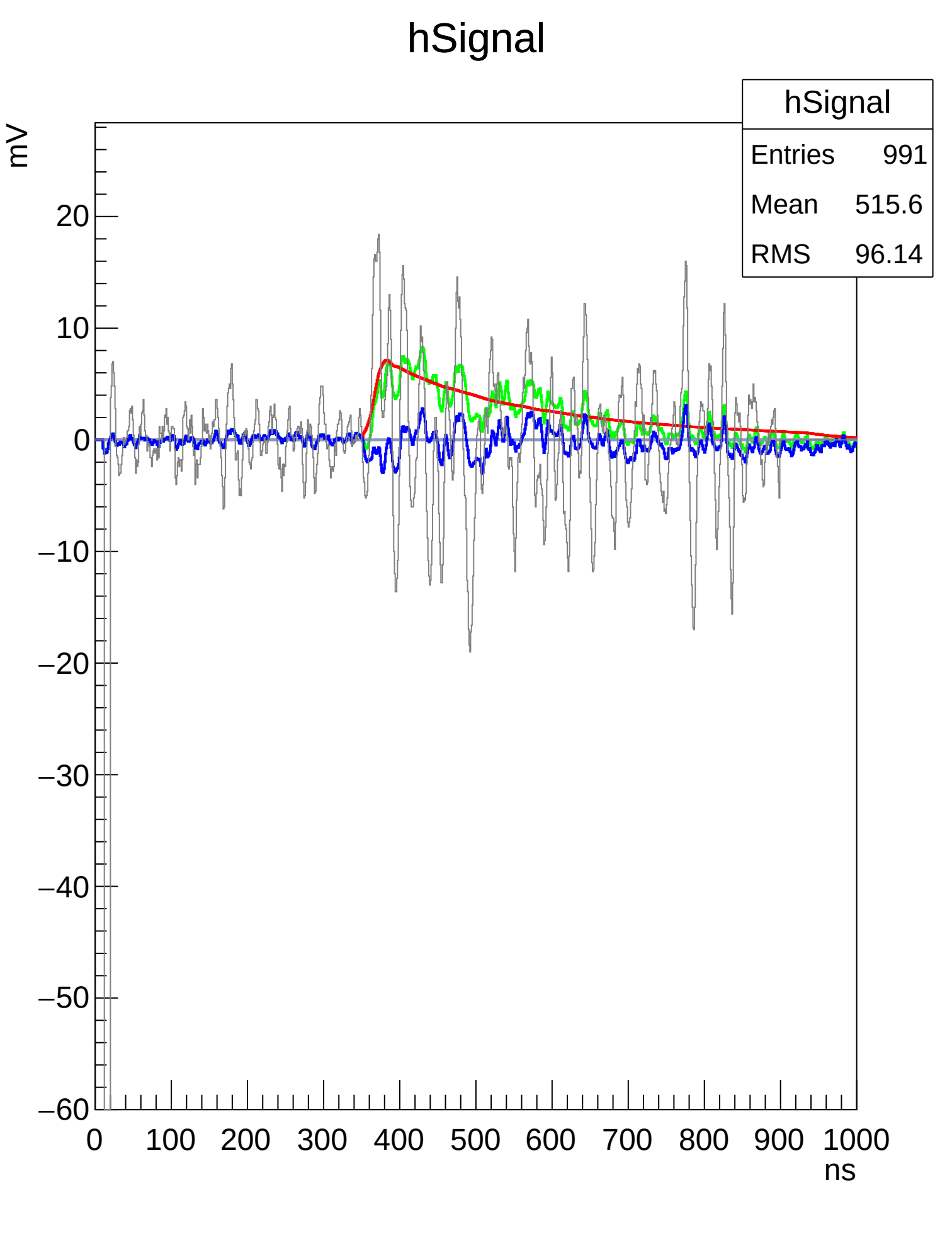
1000
ns


hSignal
hSignal
Entries 991
Mean 515.6
RMS 96.14
mV
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10
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800
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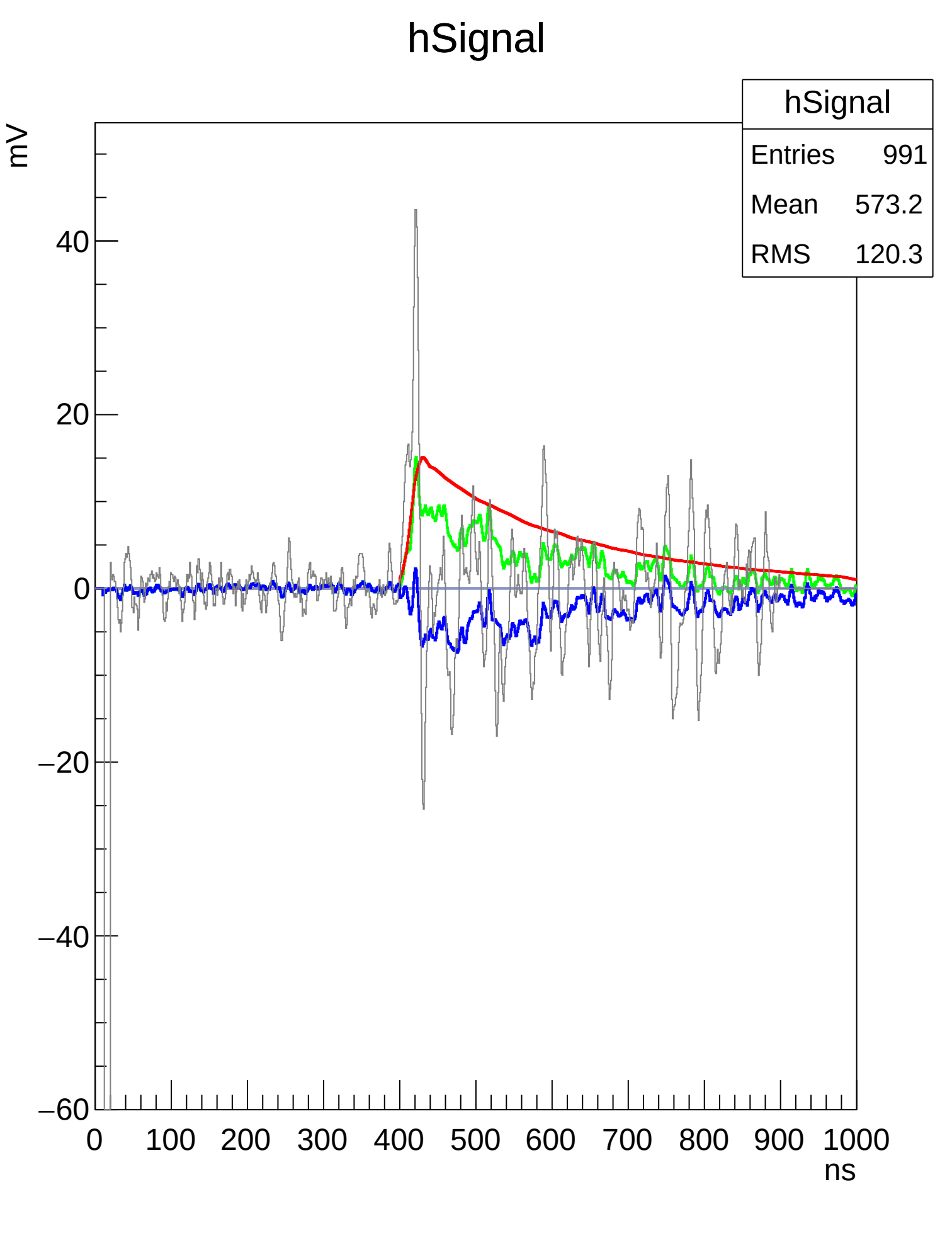
1000
ns


hSignal
hSignal
Entries 991
Mean 573.2
RMS 120.3
mV
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−20
−40
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0
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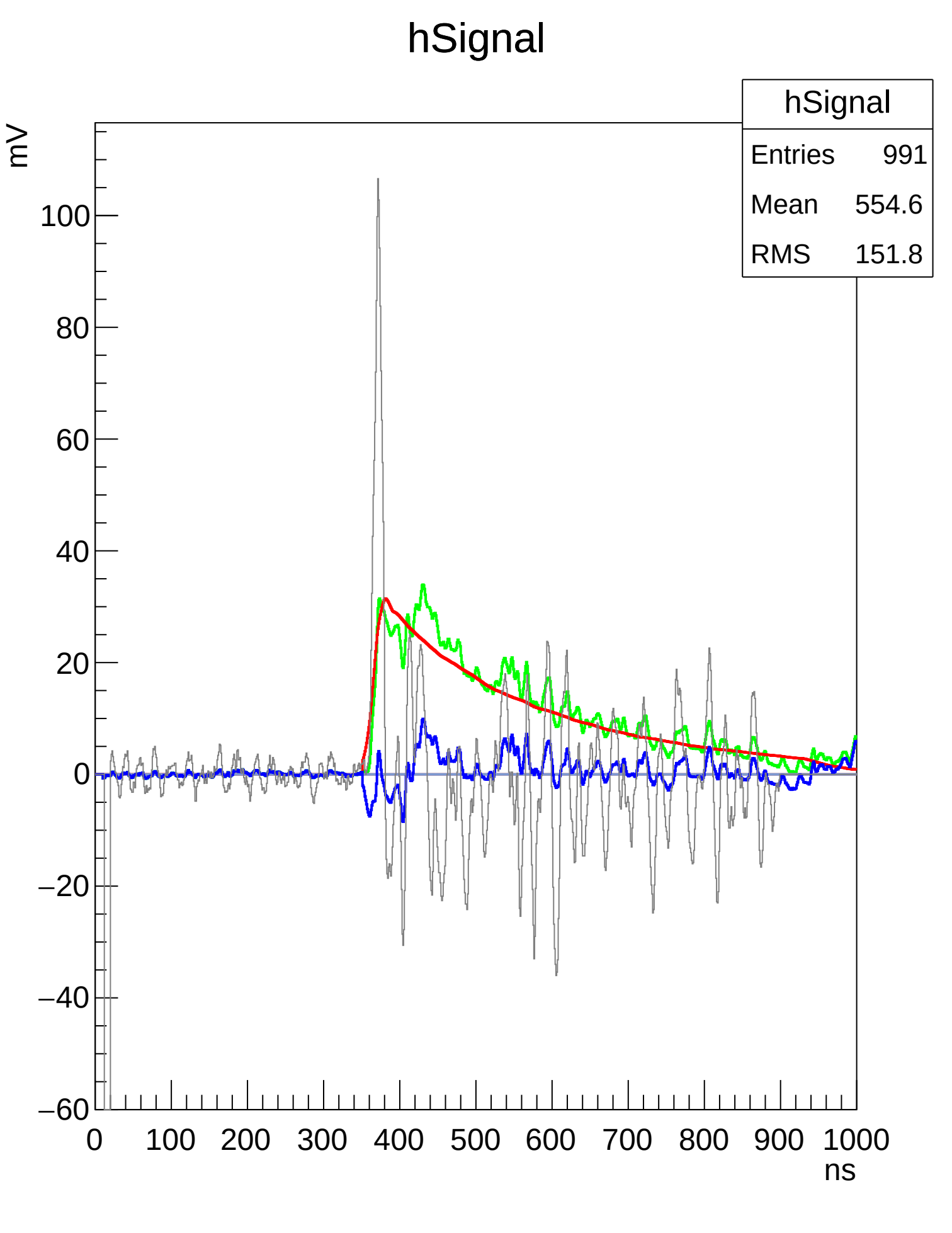
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 151.8
mV
100
80
60
40
20
0
−20
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0
100
200
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400
500
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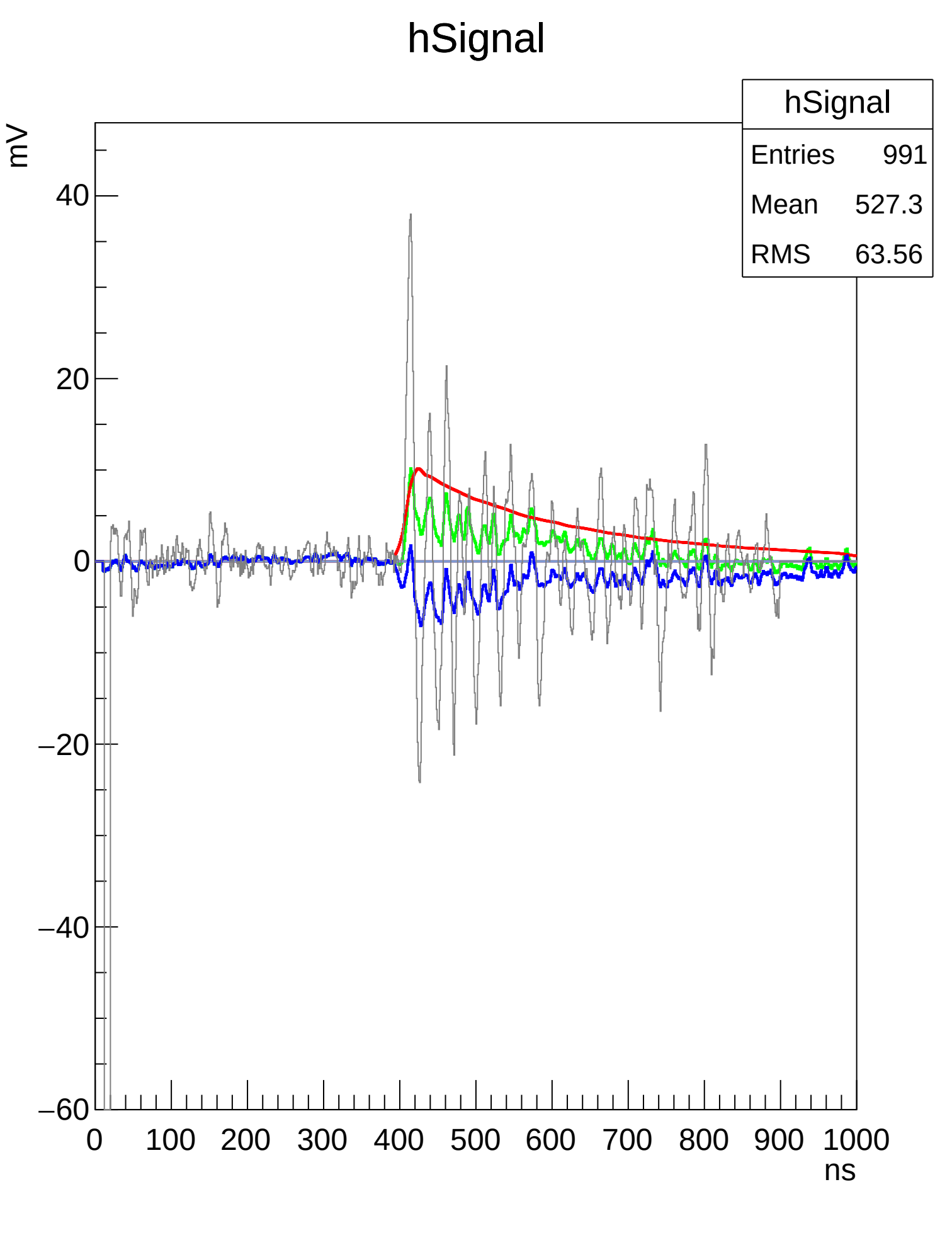
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.3
RMS 63.56
mV
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−20
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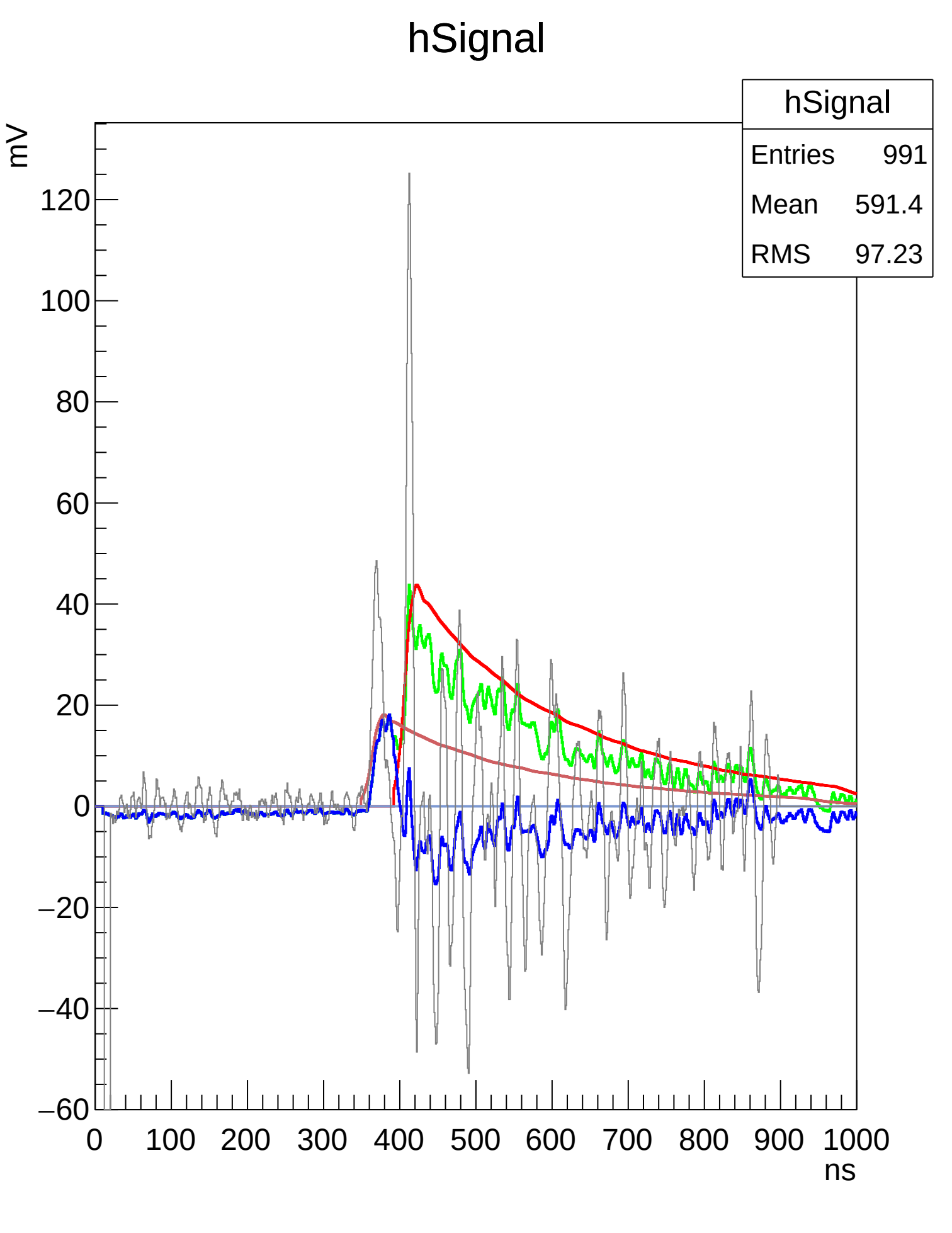
1000
ns


hSignal
hSignal
Entries 991
Mean 591.4
RMS 97.23
mV
120
100
80
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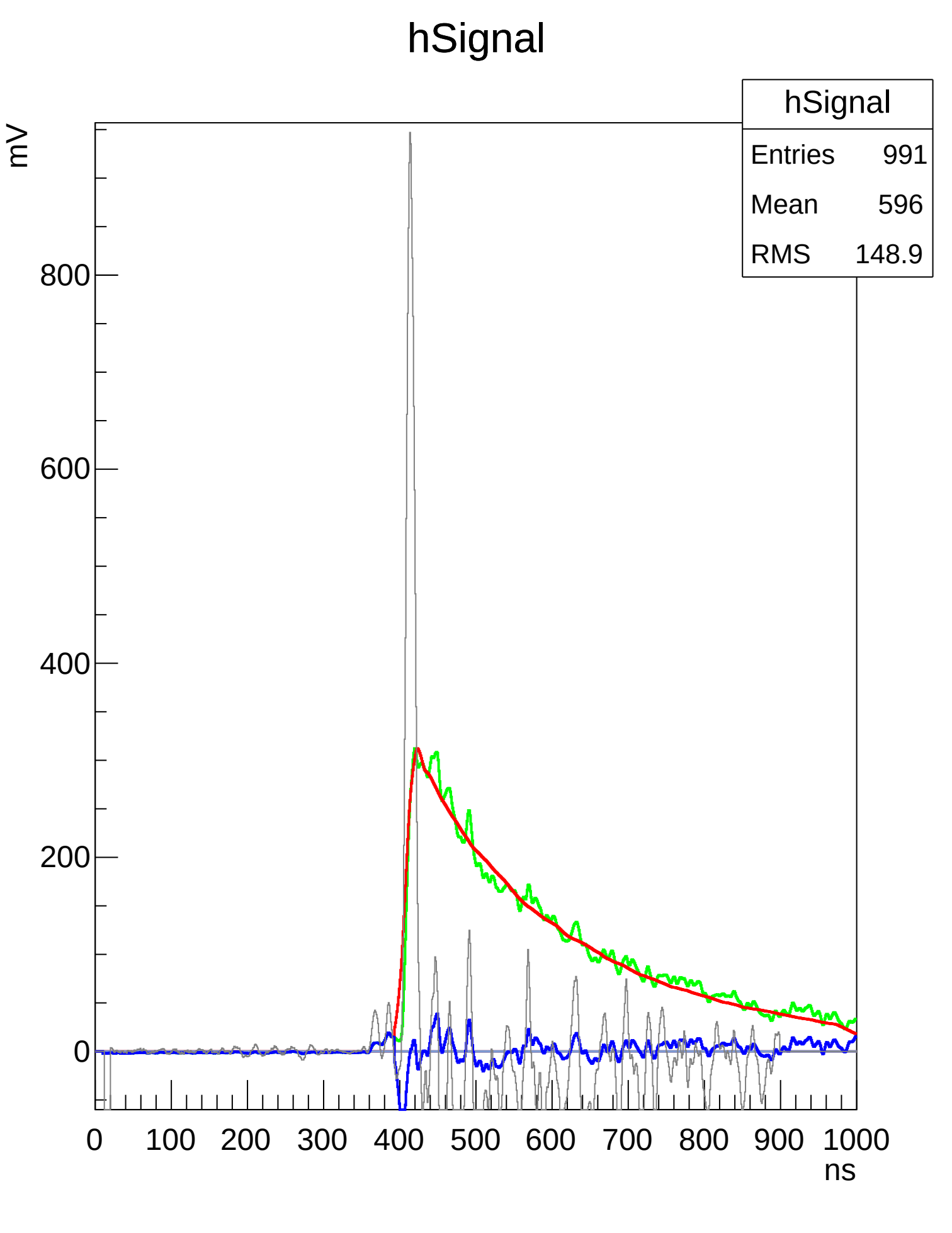
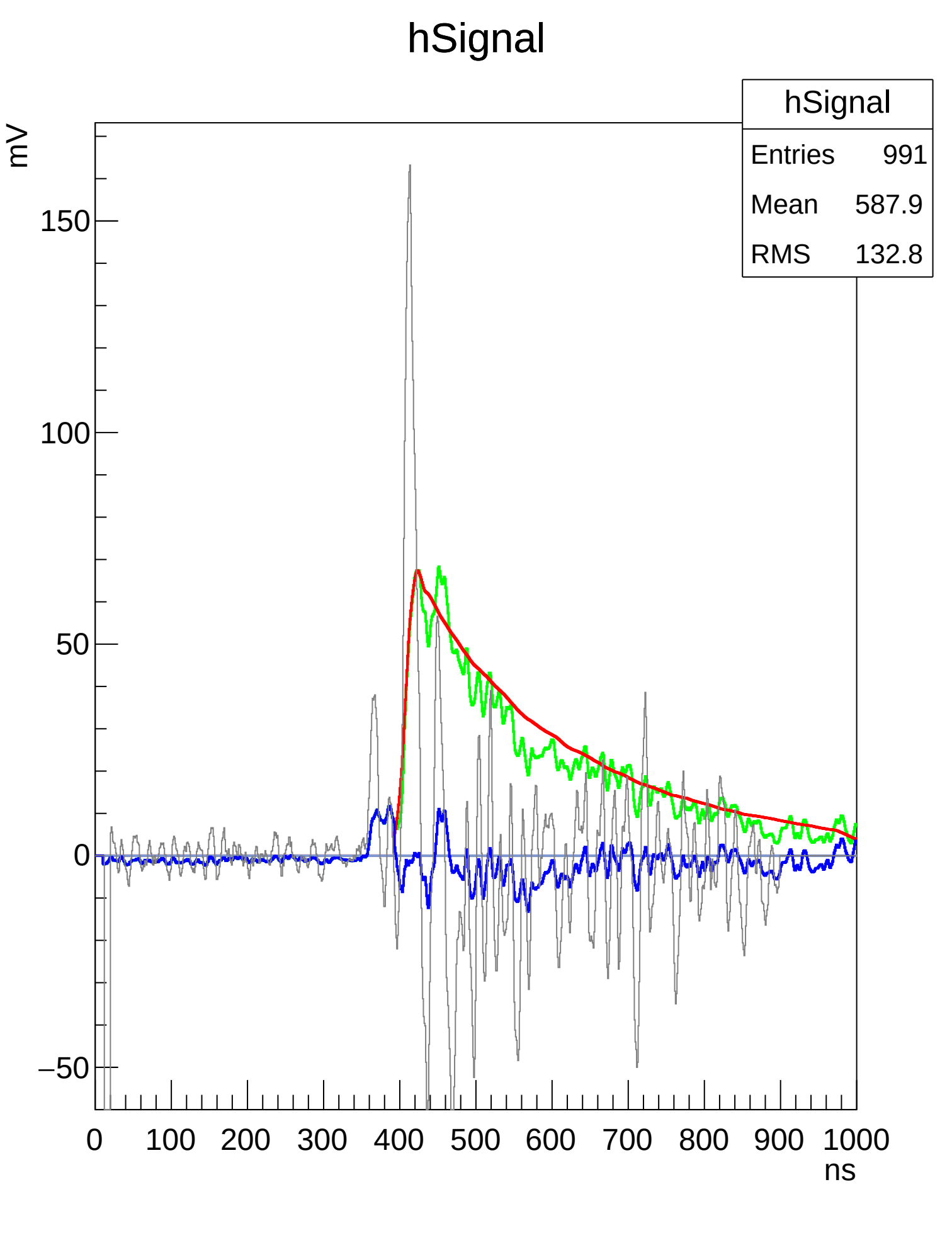
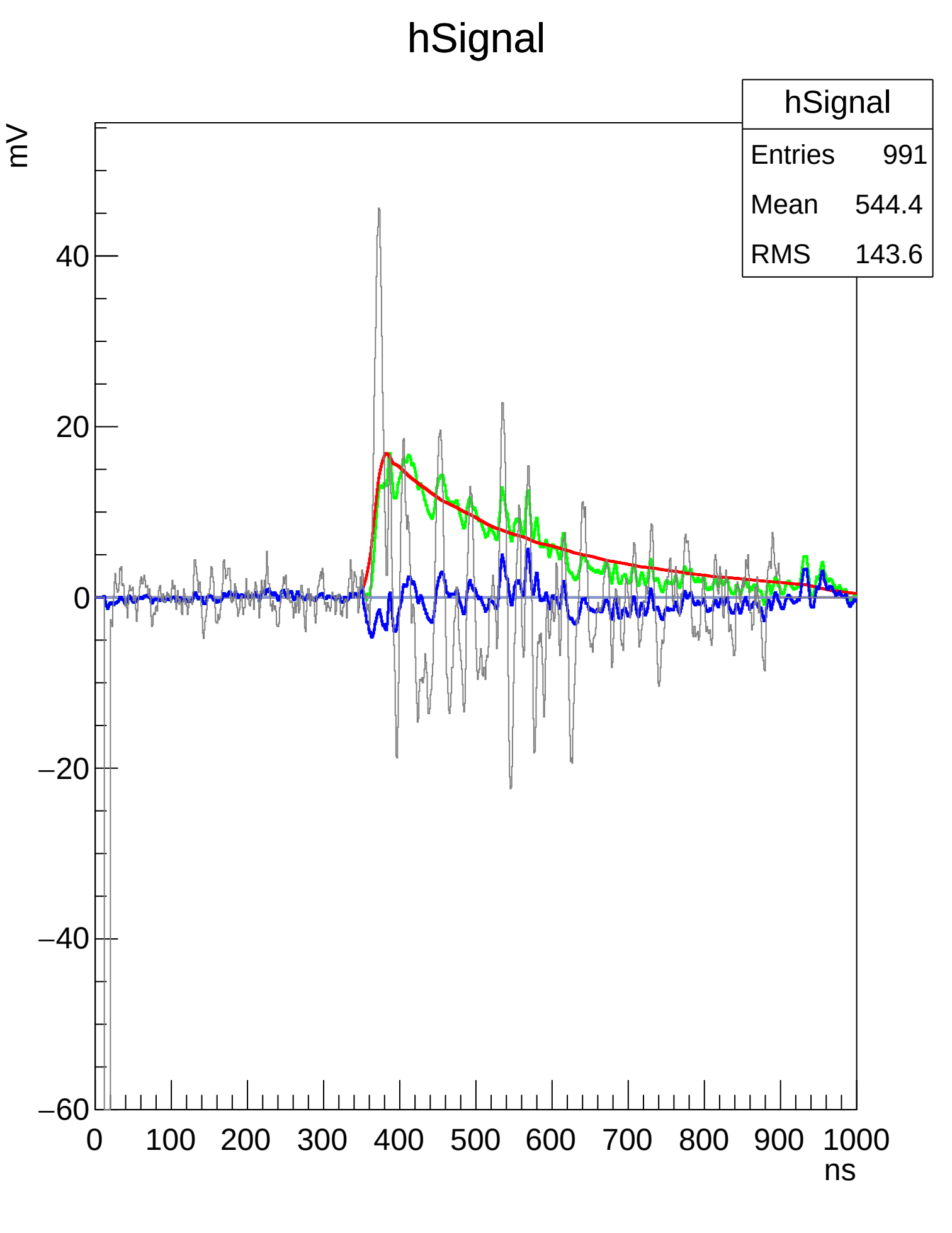
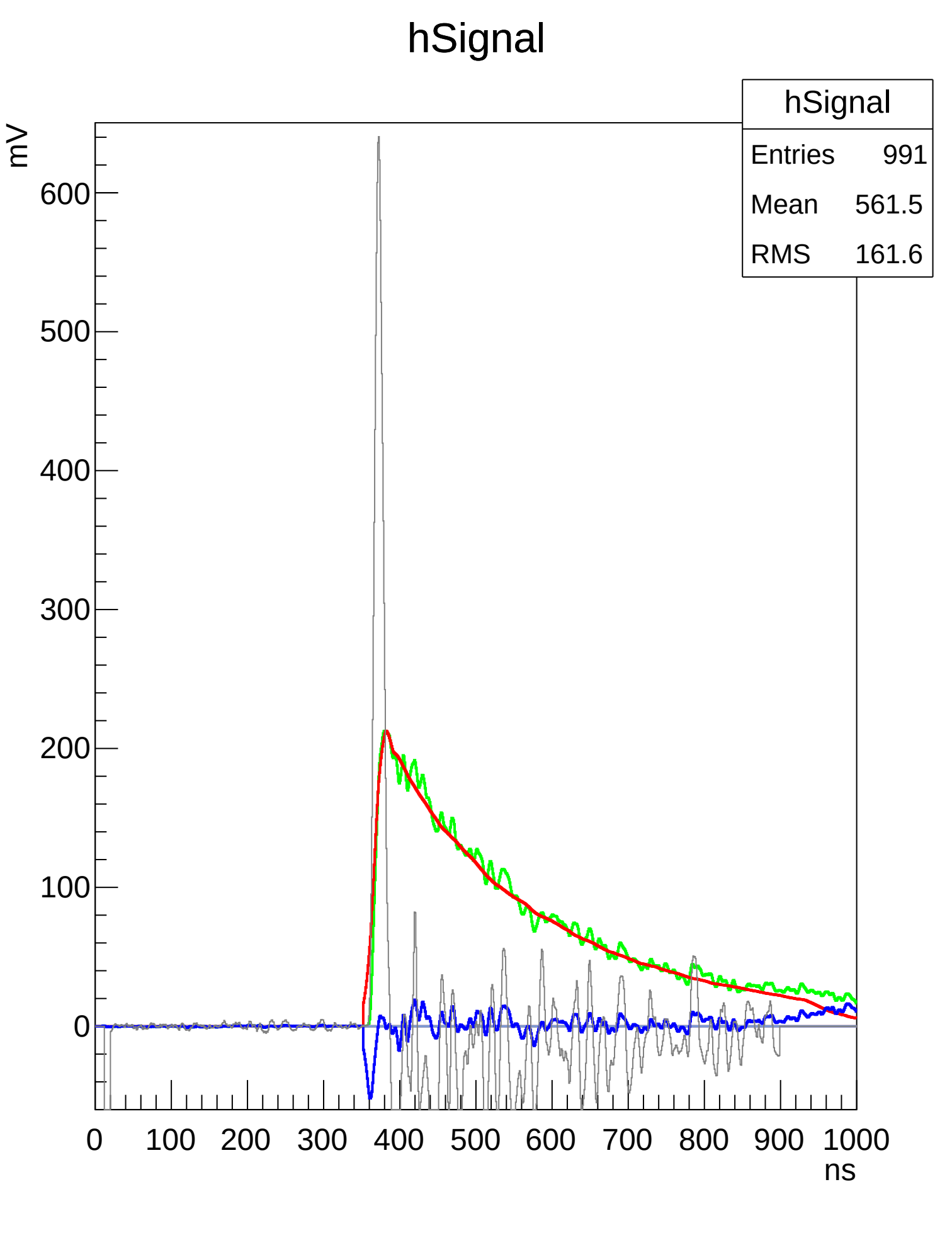
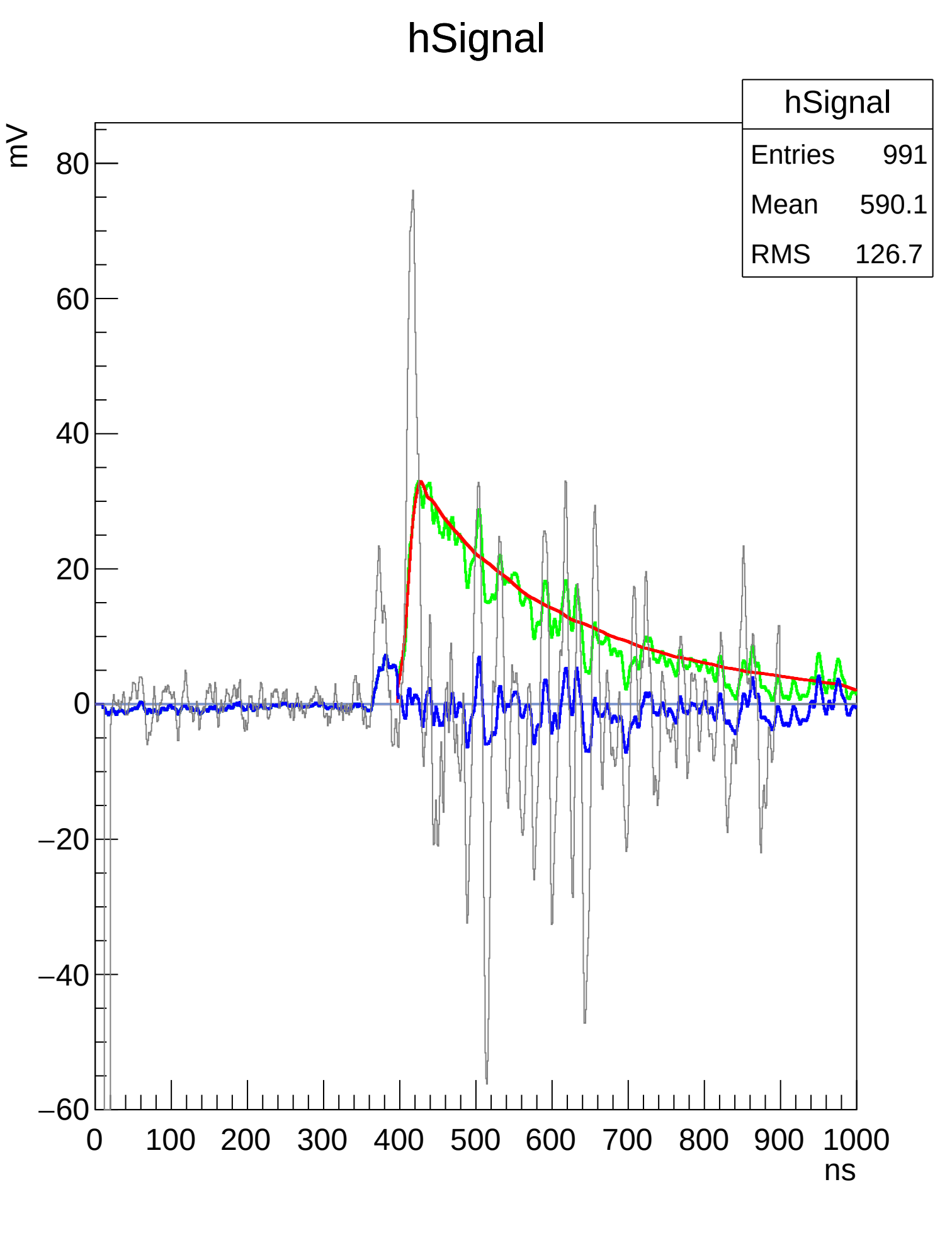
1000
ns

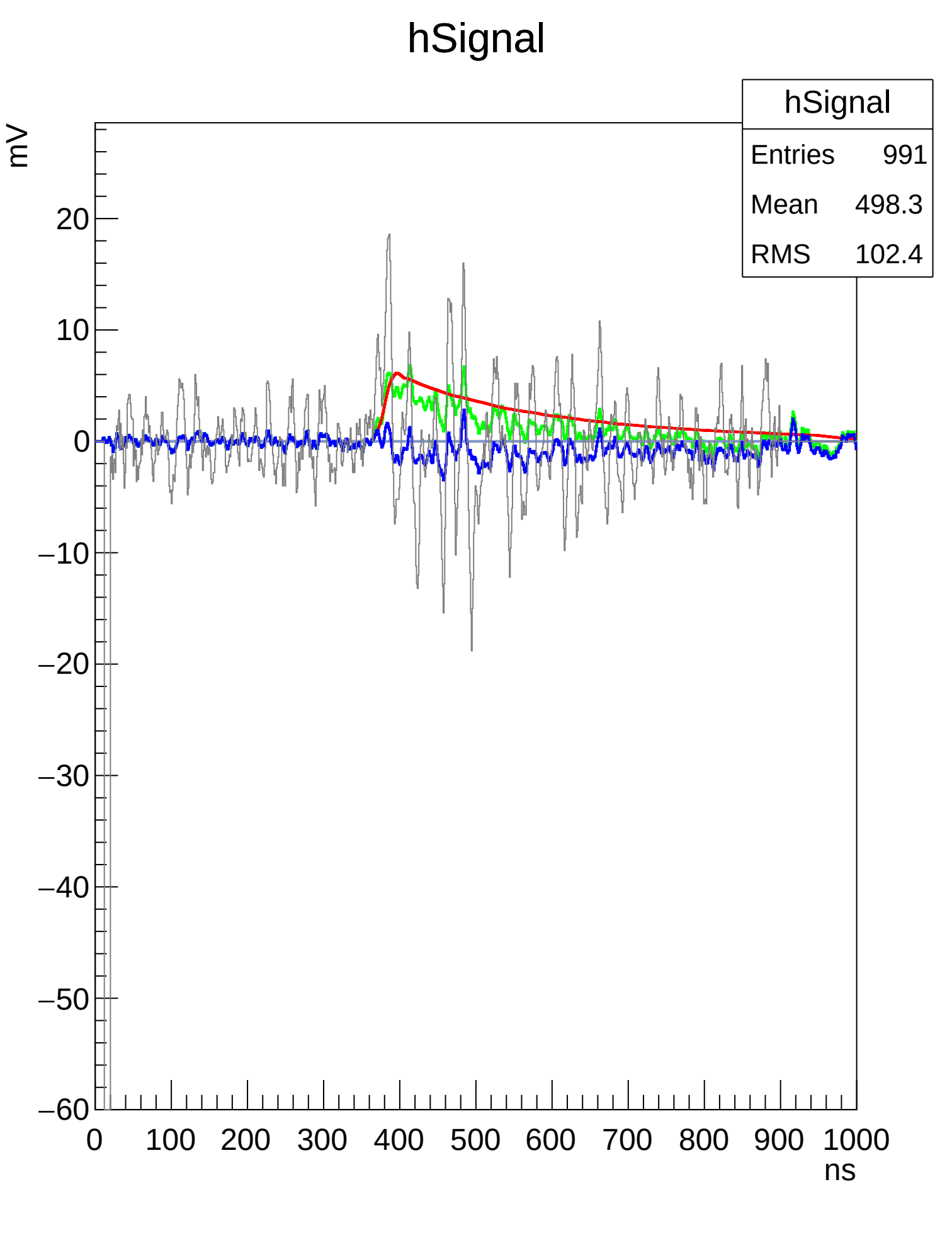

hSignal
hSignal
Entries 991
Mean 596
RMS 148.9
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

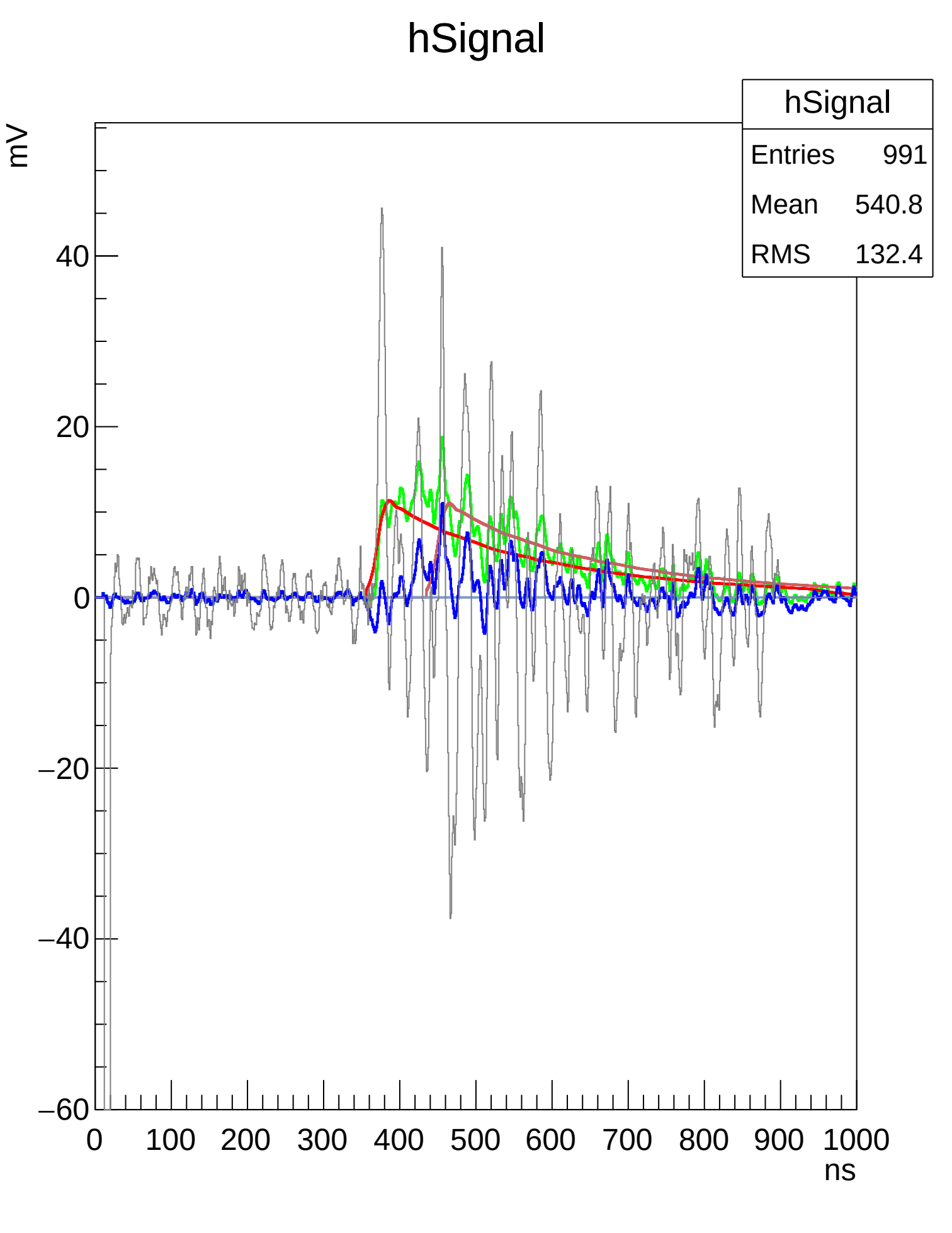

hSignal
hSignal
Entries 991
Mean 587.9
RMS 132.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.4
RMS 143.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.5
RMS 161.6
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 590.1
RMS 126.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.3
RMS 102.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.8
RMS 132.4
mV
40
20
0
−20
−40
−60
0
100
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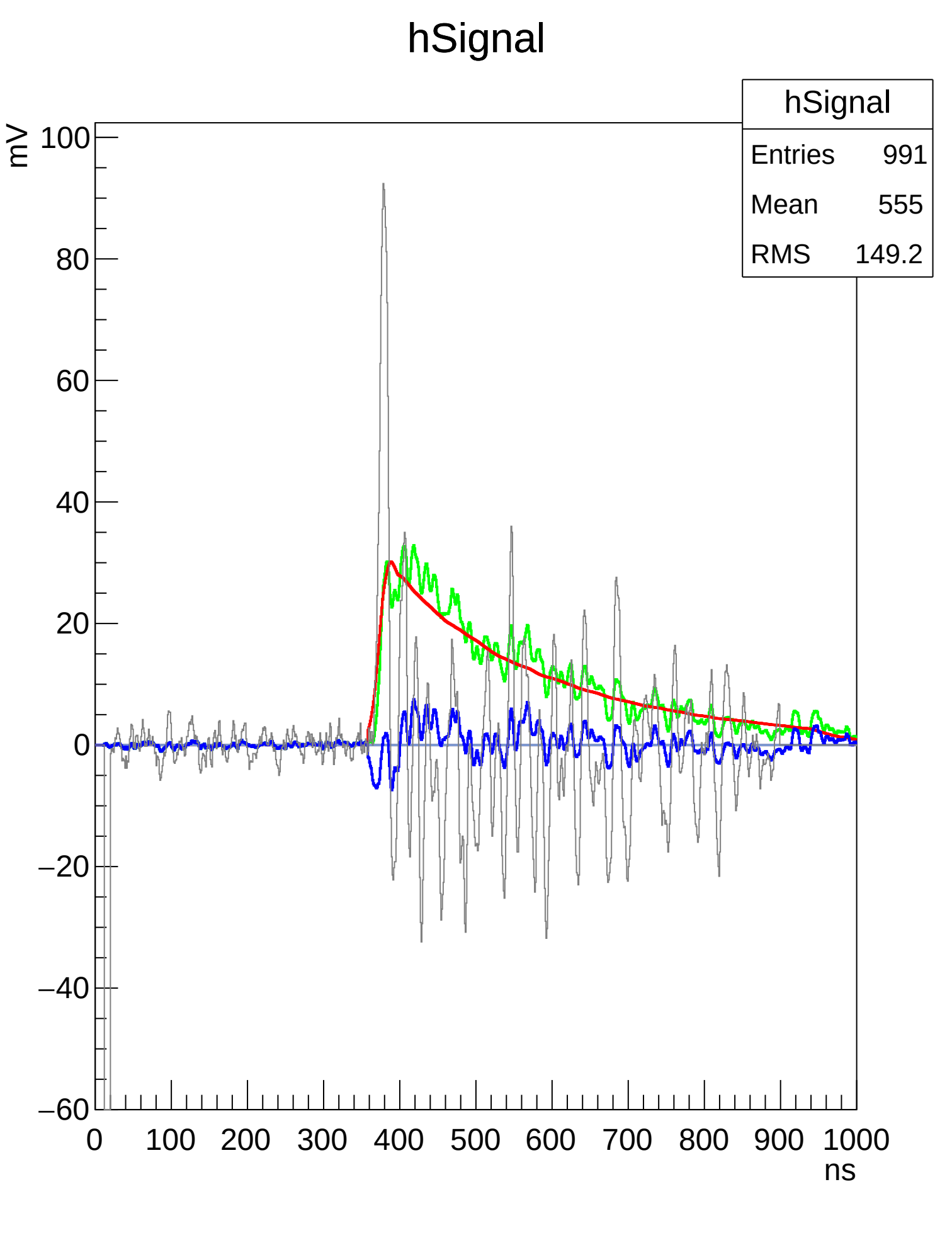
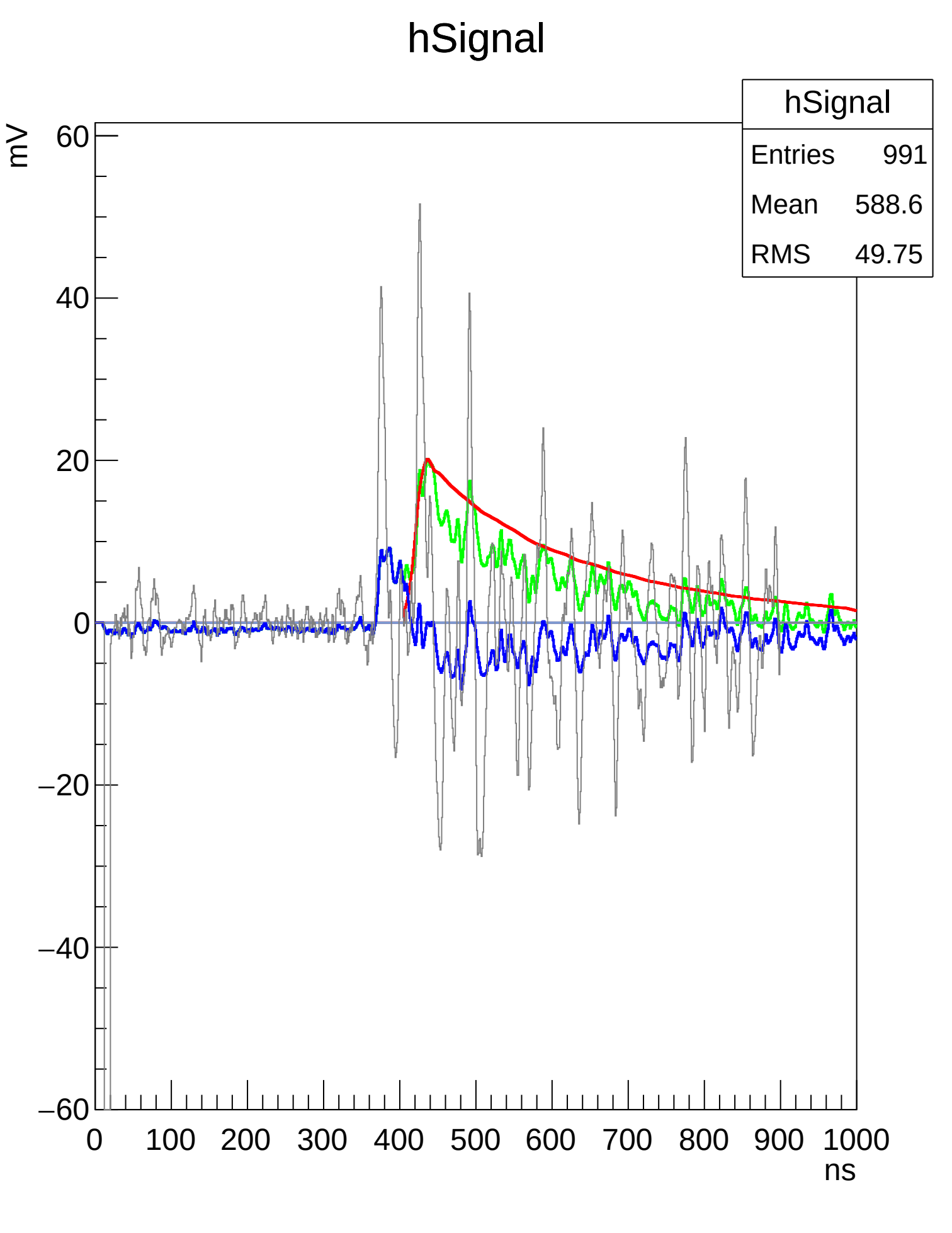
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555
RMS 149.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.6
RMS 49.75
mV
60
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−20
−40
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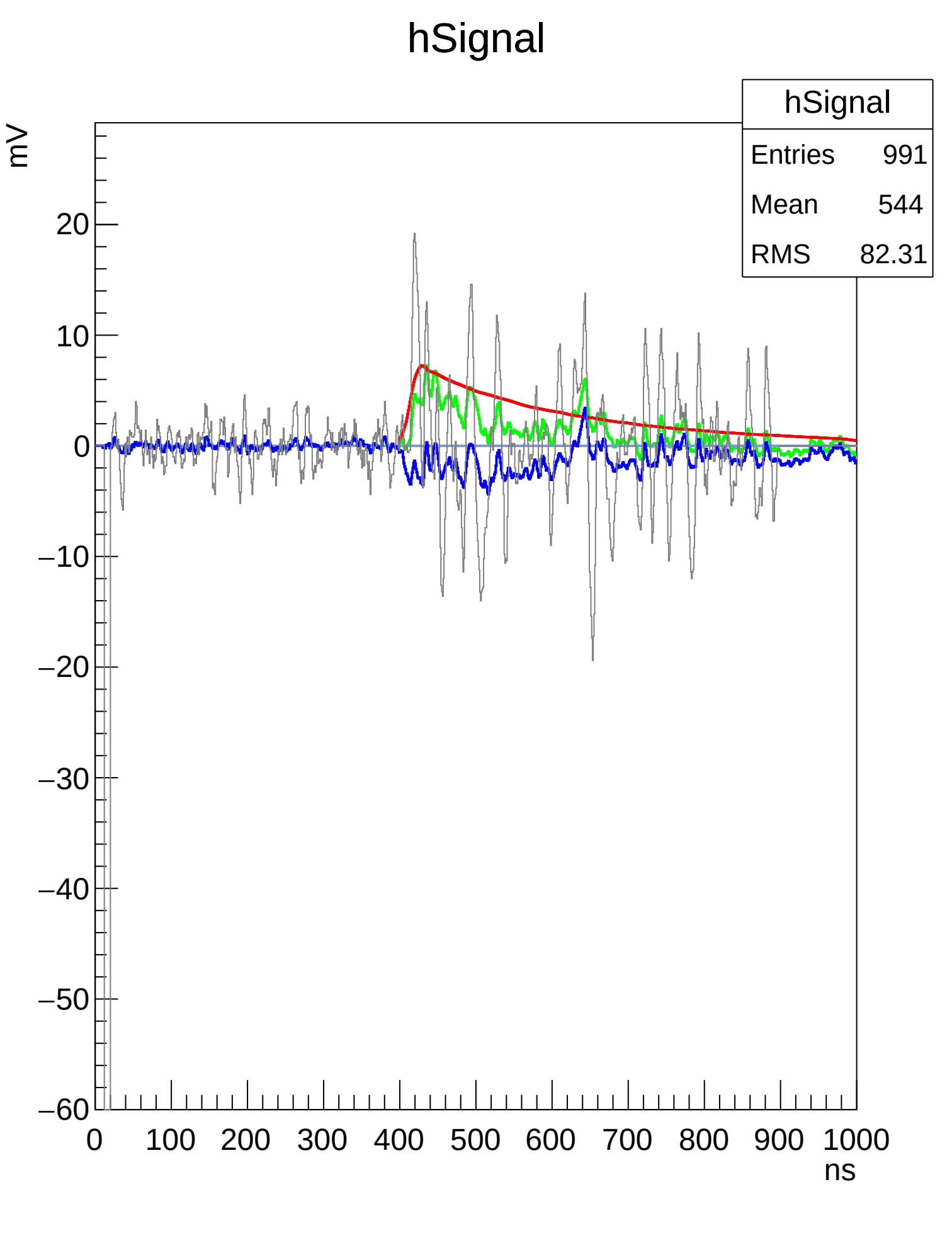
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544
RMS 82.31
mV
20
10
0
−10
−20
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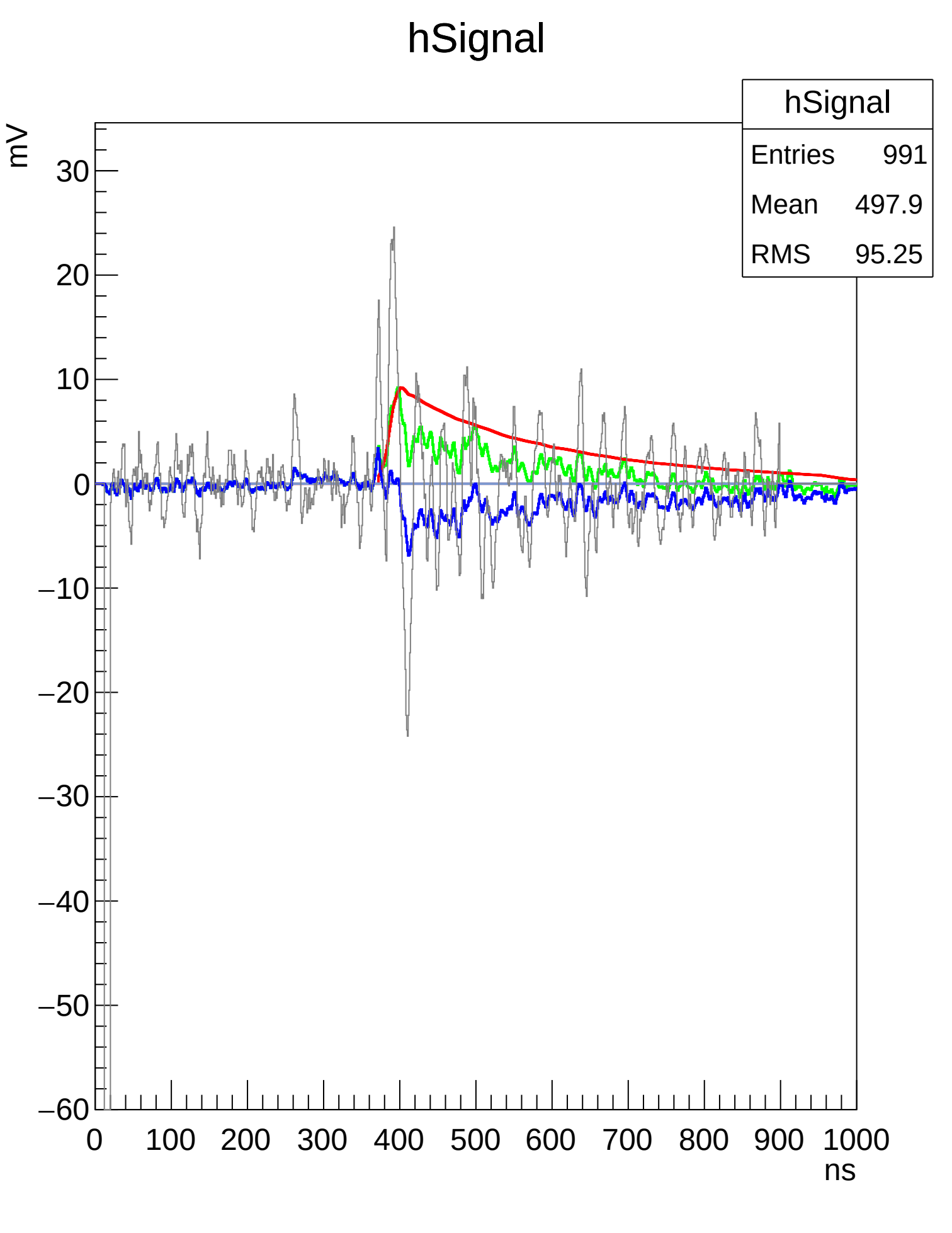
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.9
RMS 95.25
mV
30
20
10
0
−10
−20
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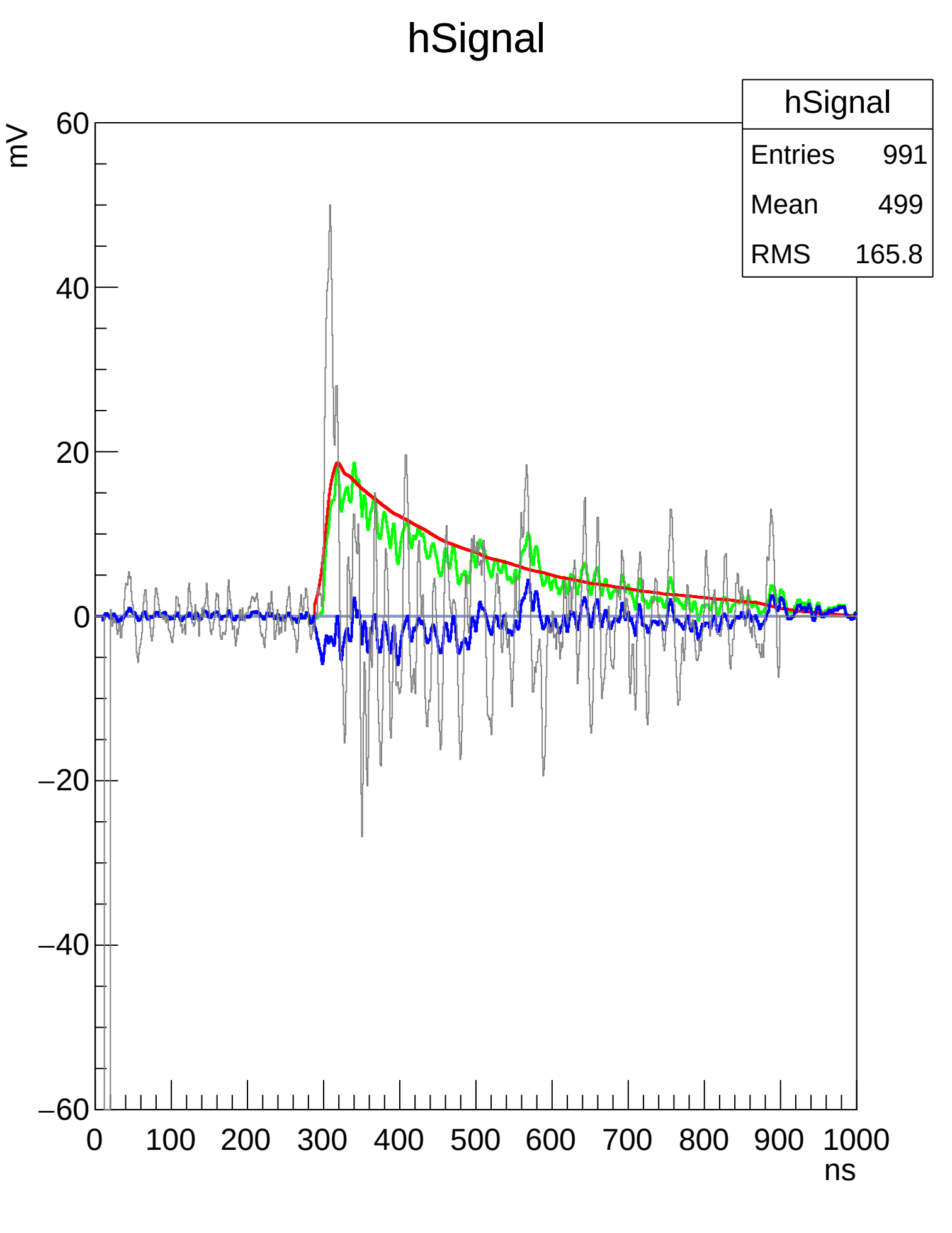
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499
RMS 165.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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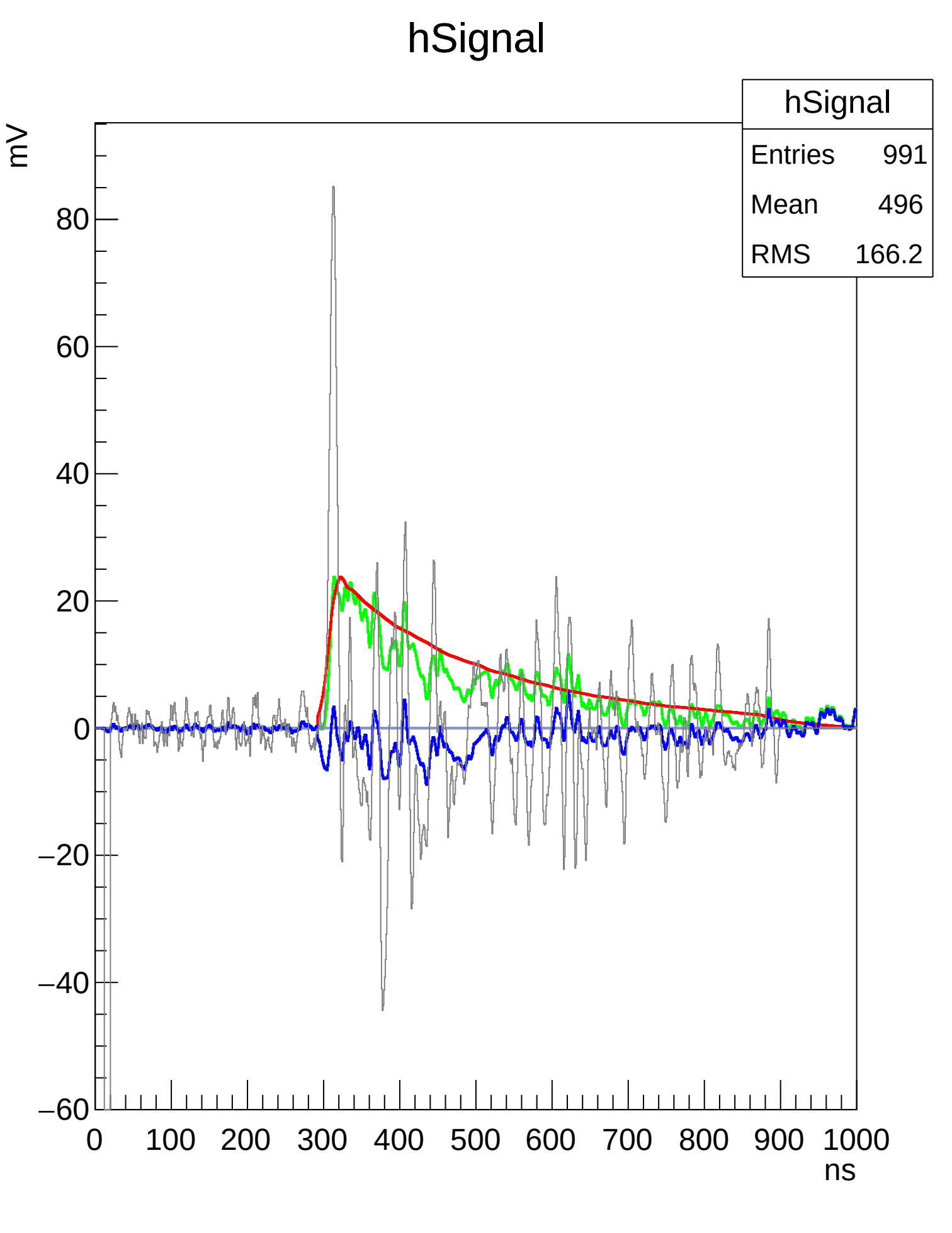
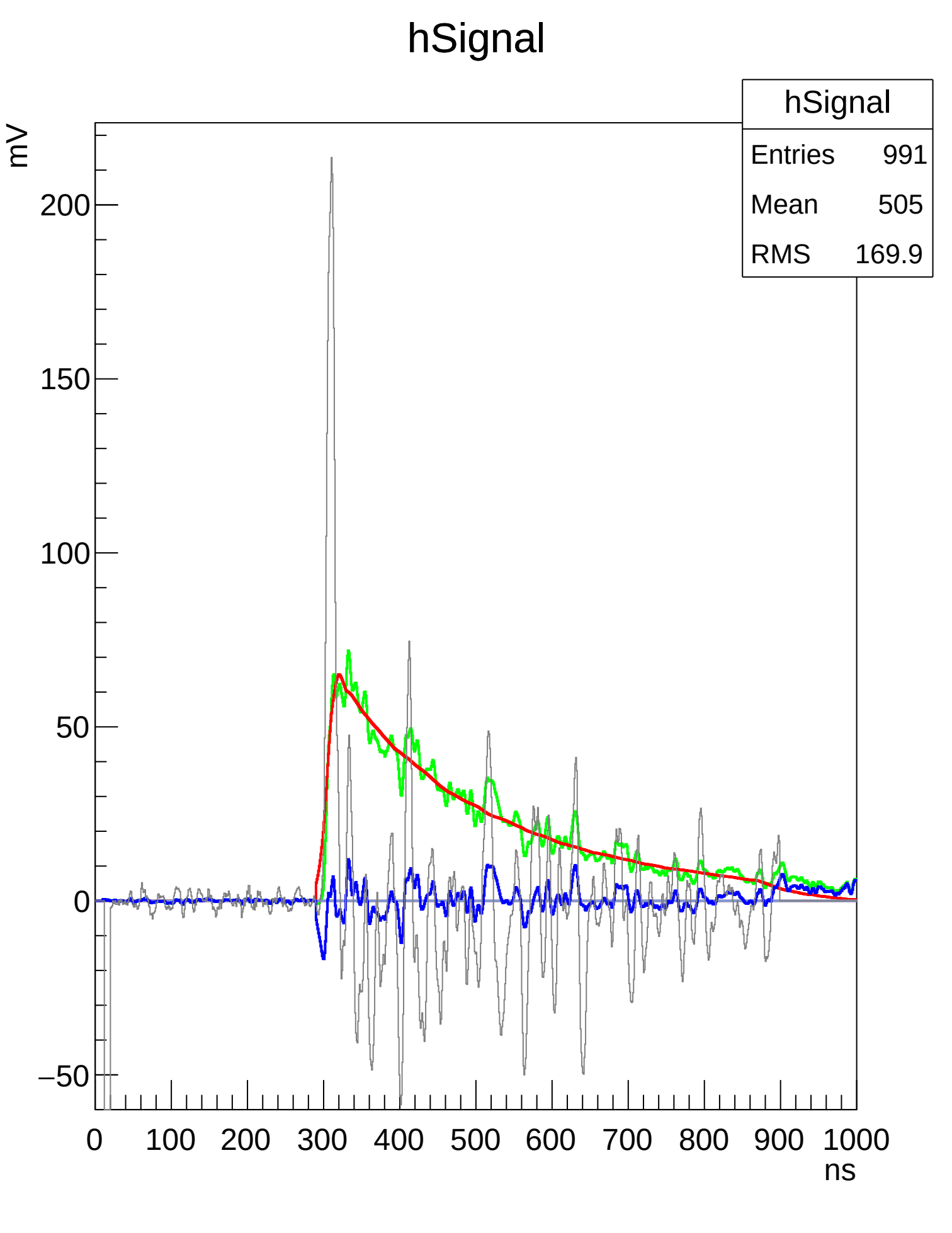
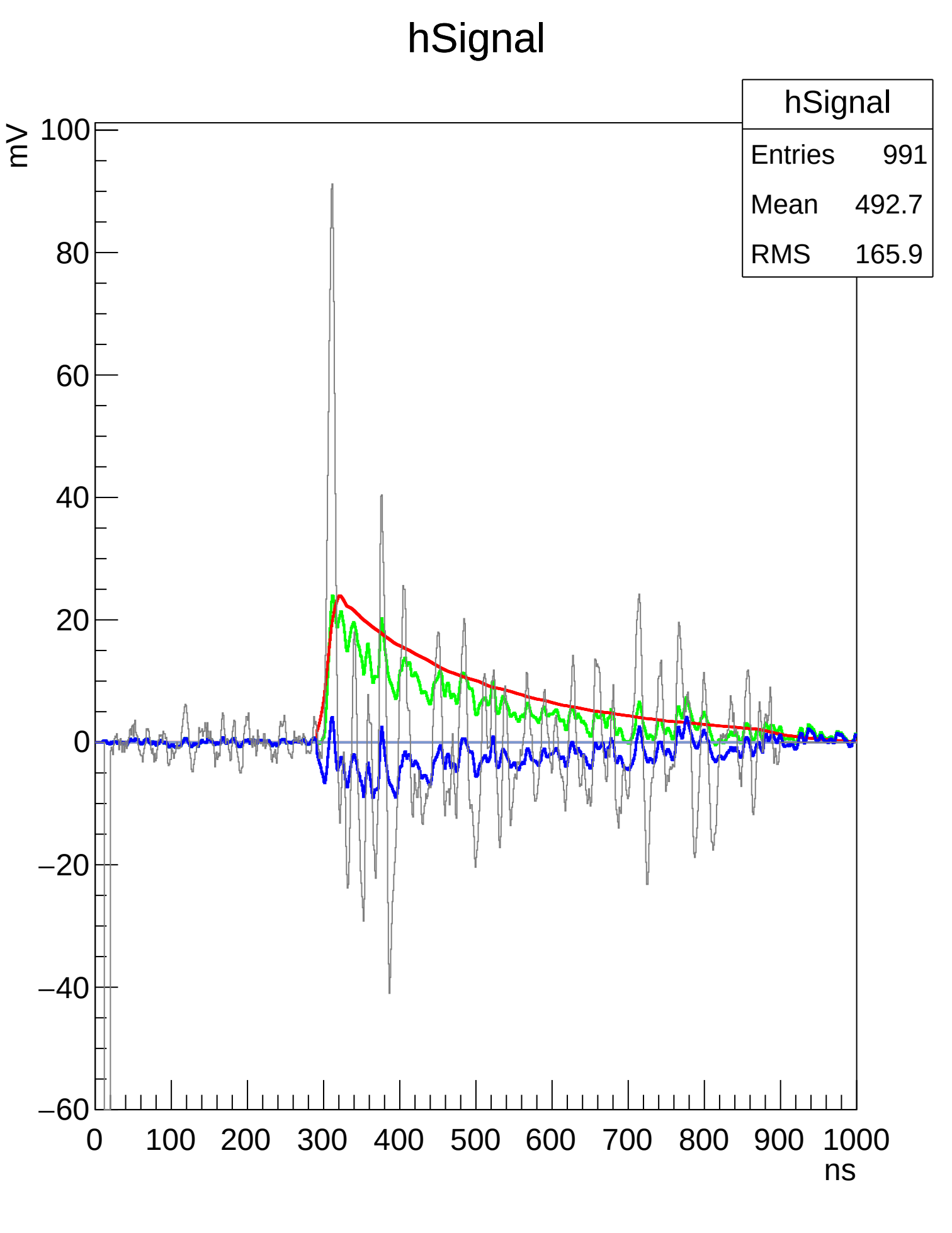
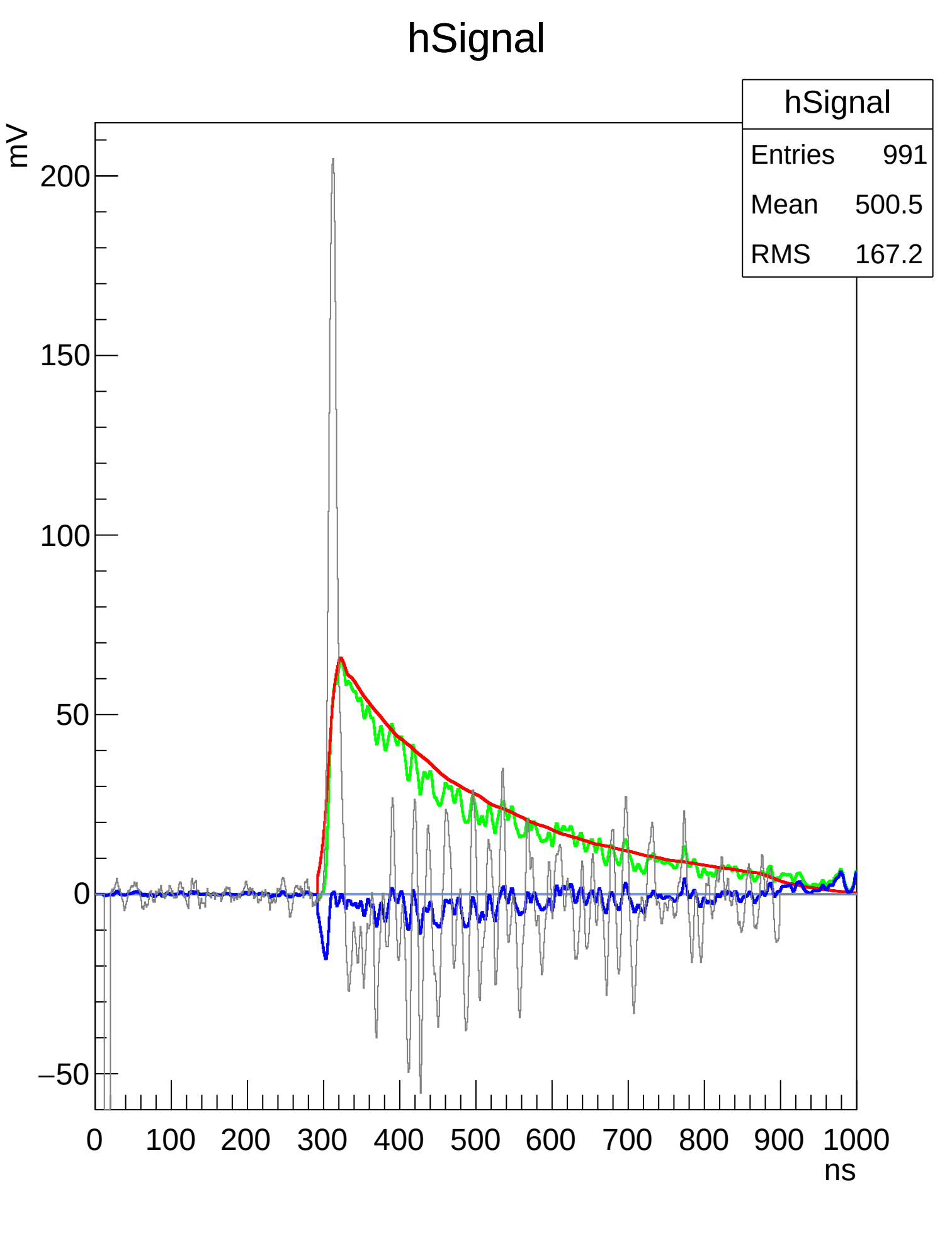
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496
RMS 166.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505
RMS 169.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.7
RMS 165.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500.5
RMS 167.2
mV
200
150
100
50
0
−50
0
100
200
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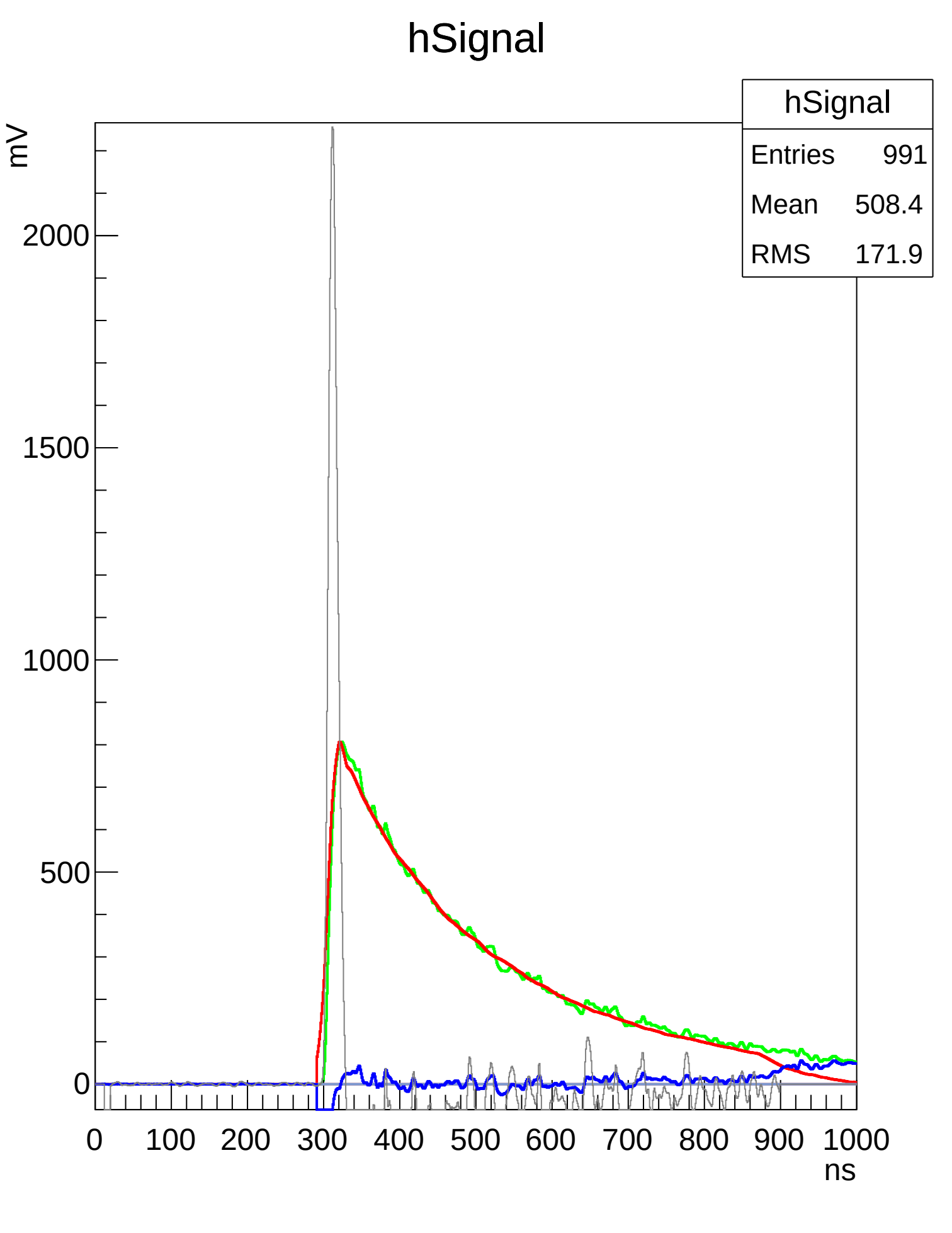
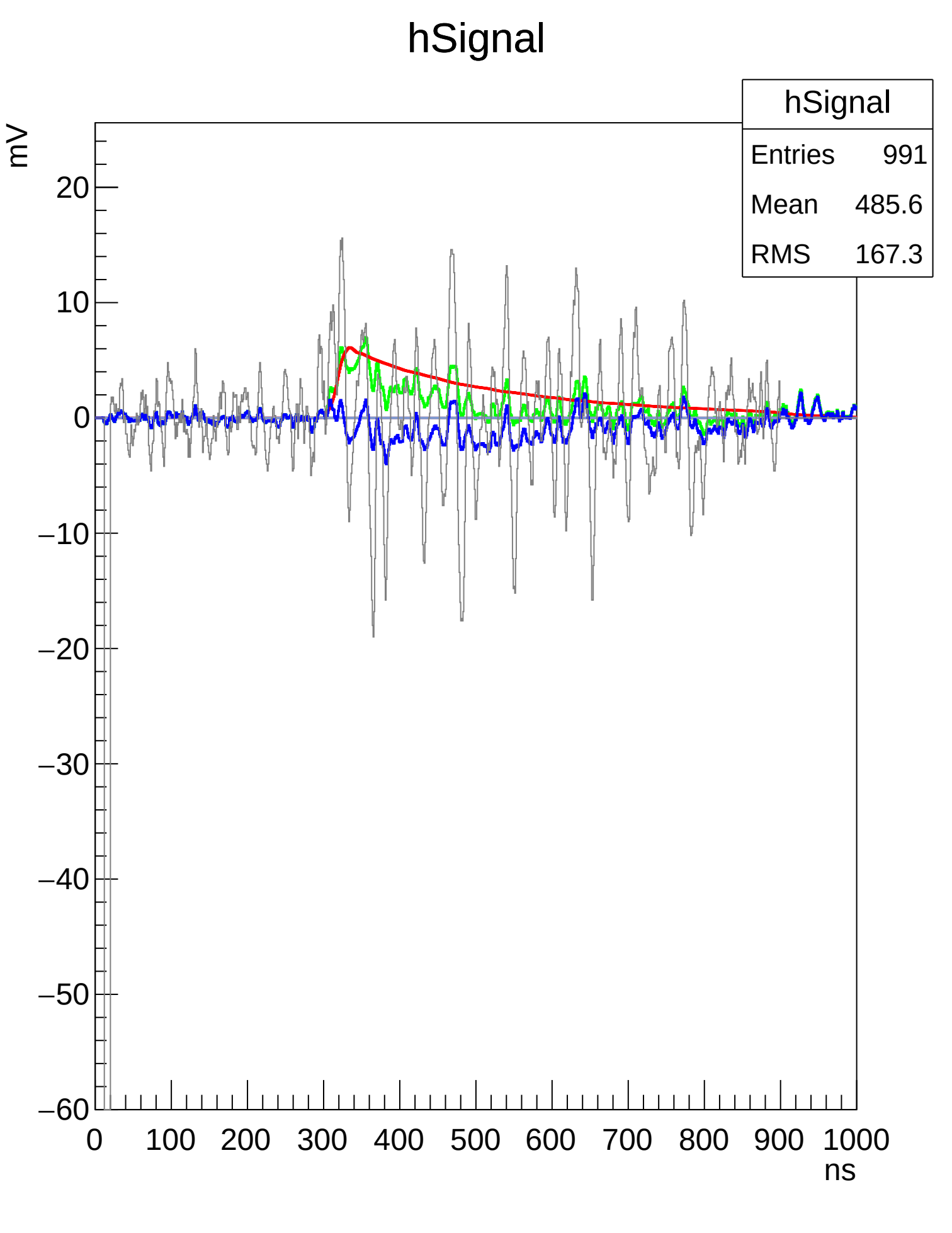
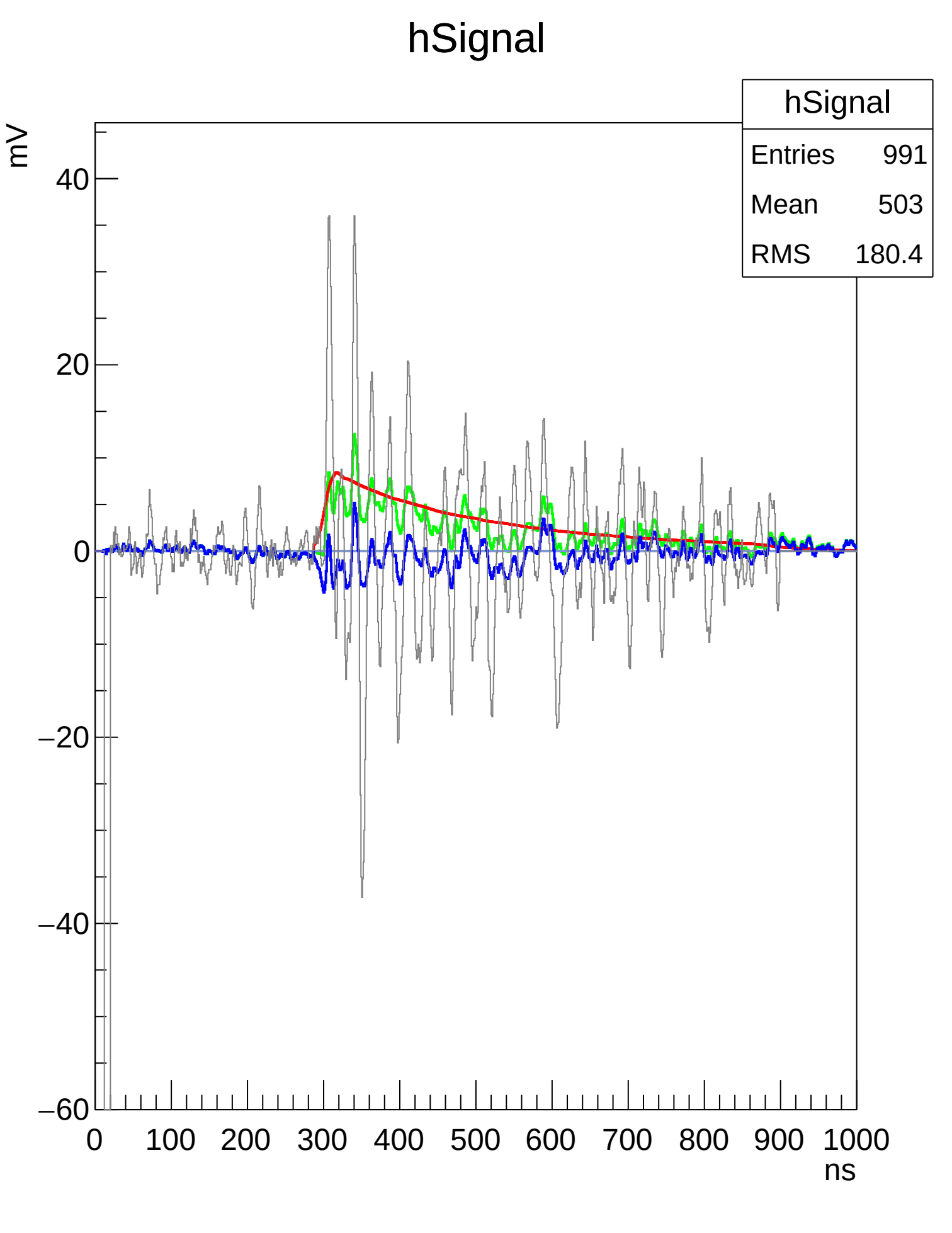
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.4
RMS 171.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485.6
RMS 167.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503
RMS 180.4
mV
40
20
0
−20
−40
−60
0
100
200
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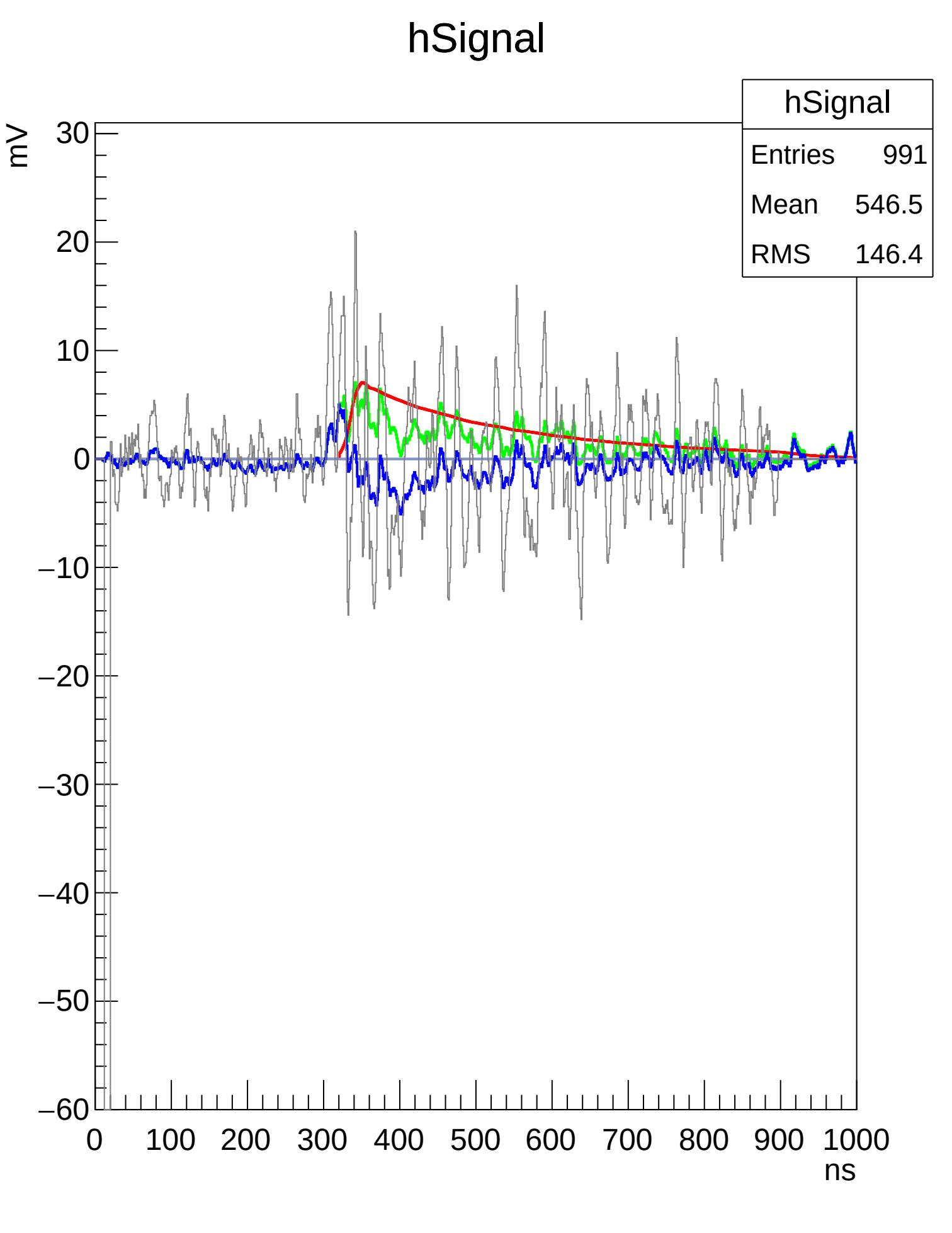
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.5
RMS 146.4
mV
30
20
10
0
−10
−20
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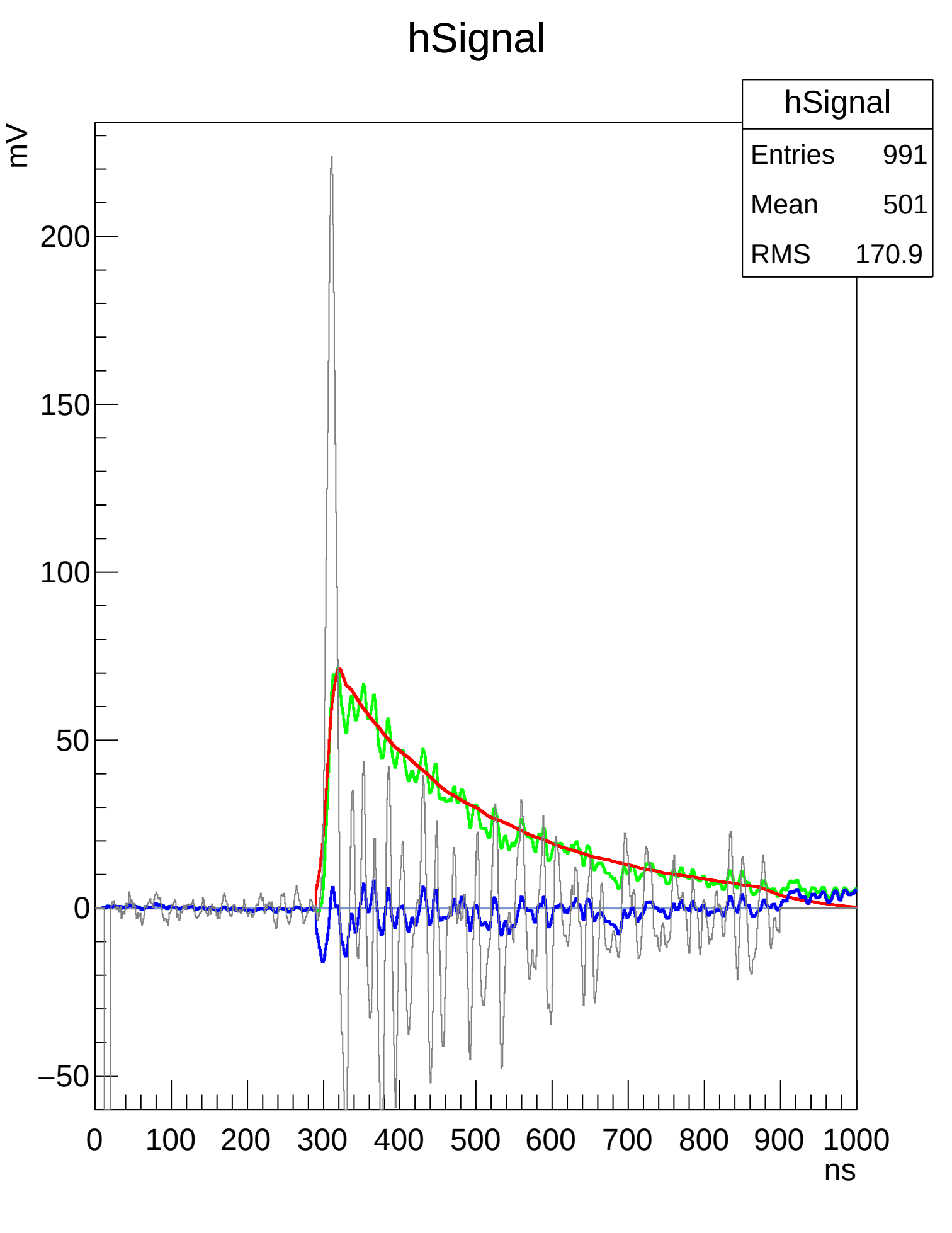
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501
RMS 170.9
mV
200
150
100
50
0
−50
0
100
200
300
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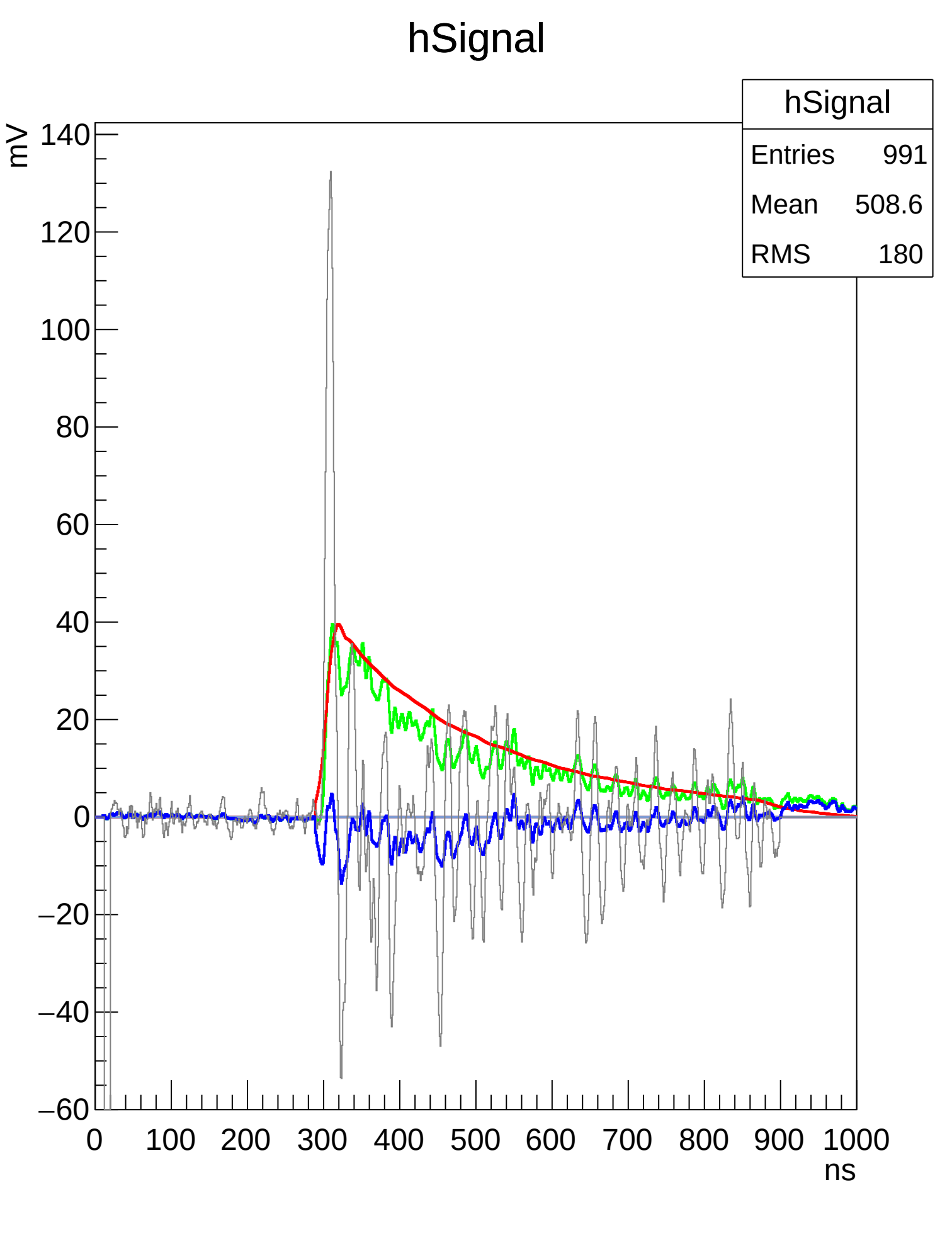
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.6
RMS 180
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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800
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1000
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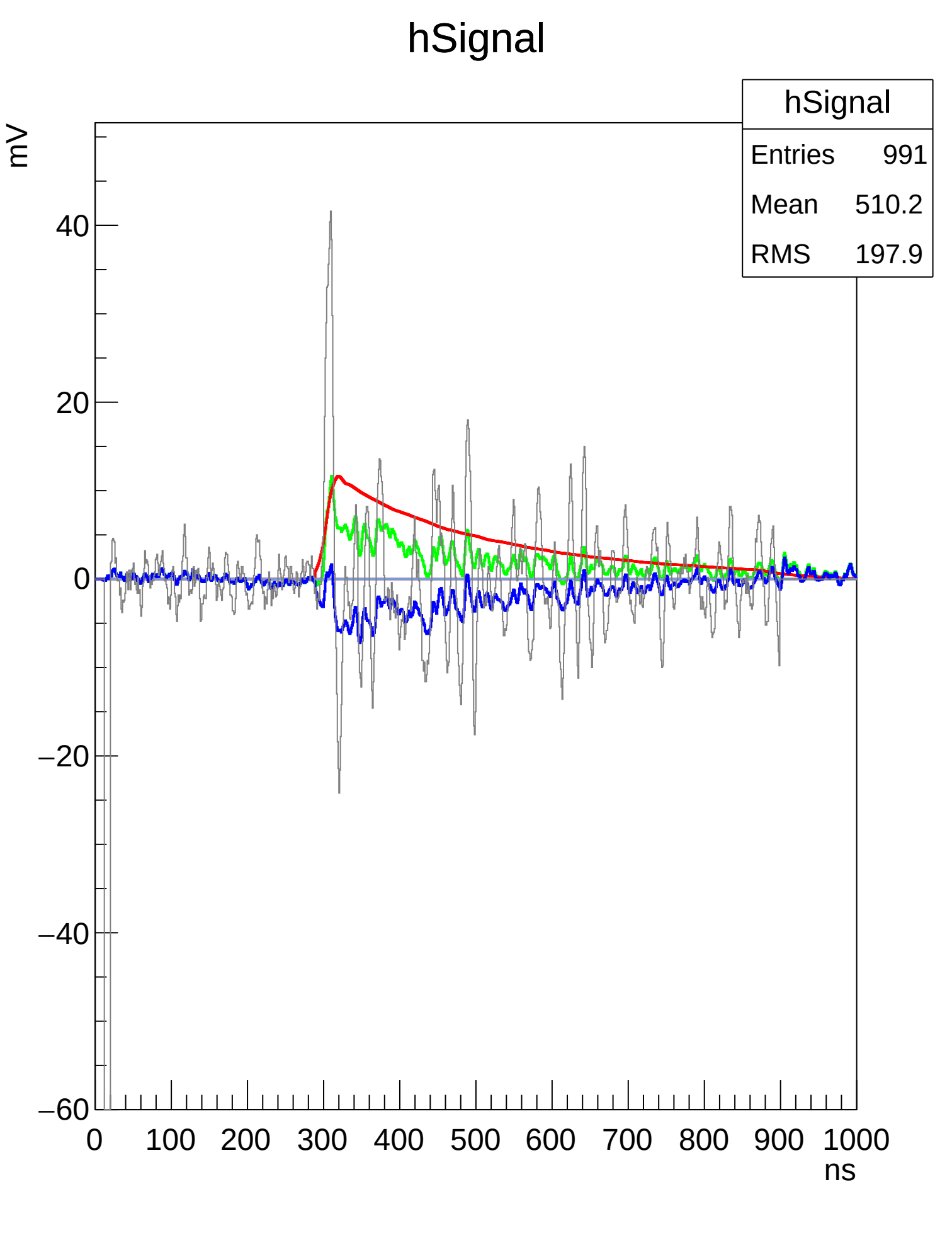
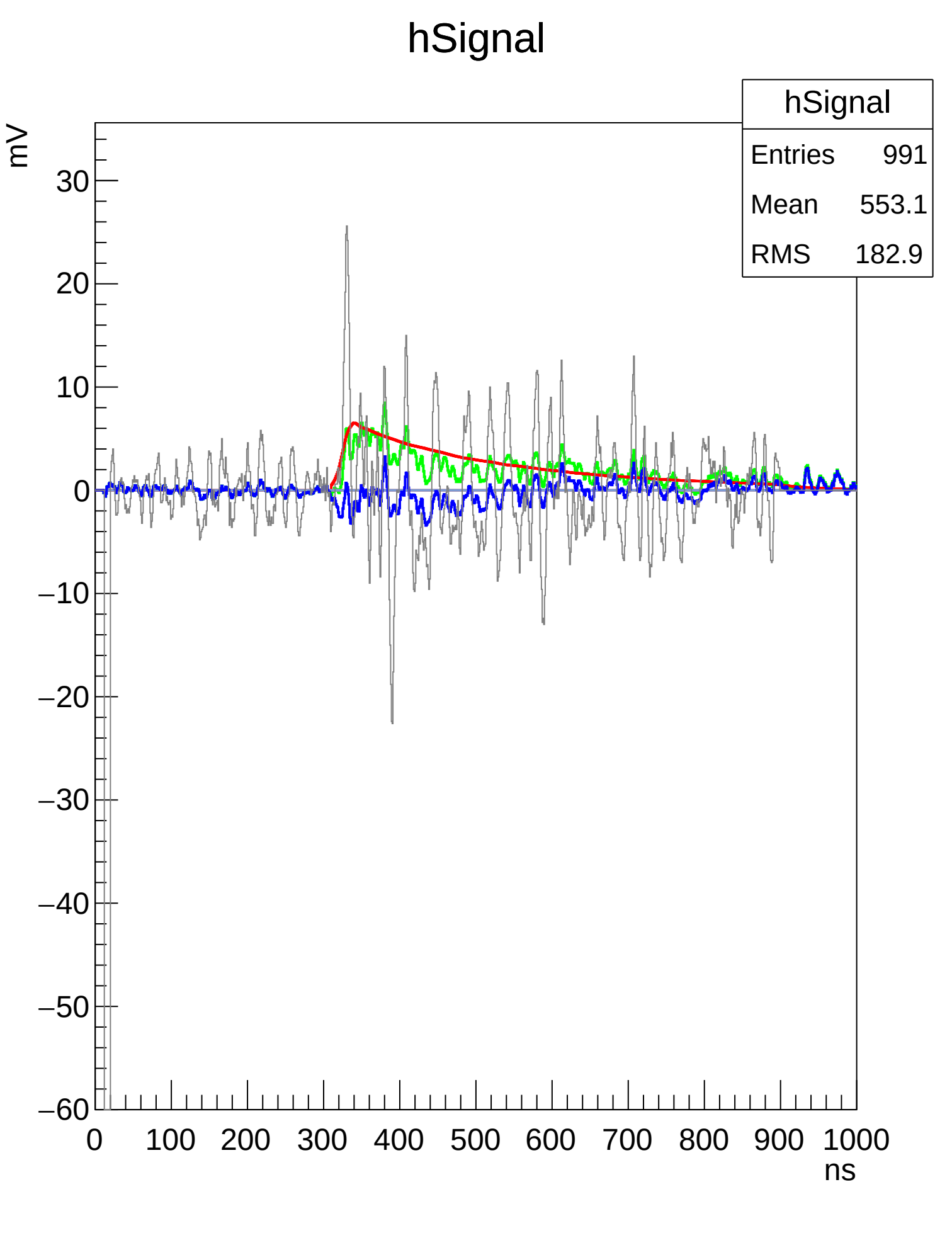
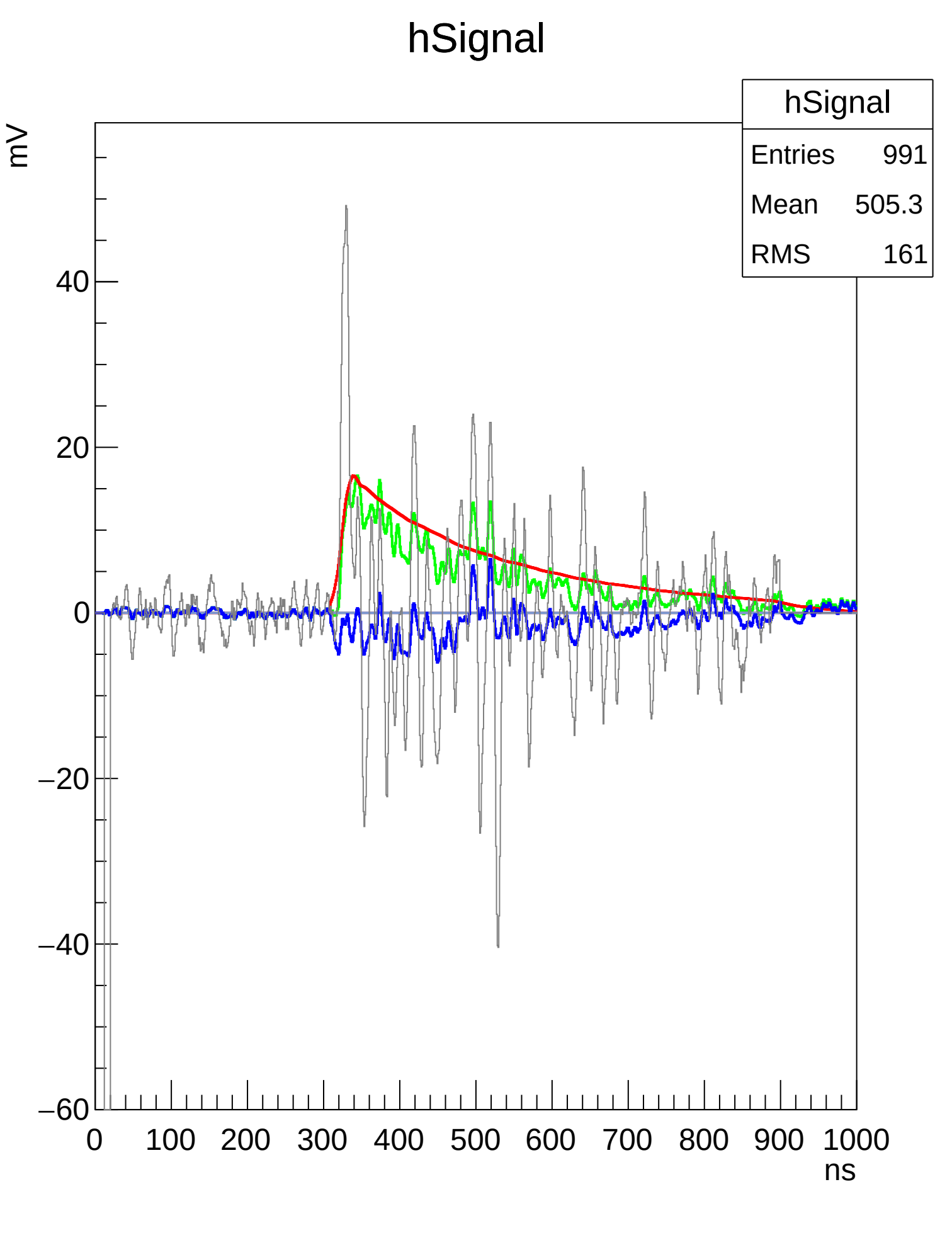

hSignal
hSignal
Entries 991
Mean 510.2
RMS 197.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.1
RMS 182.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.3
RMS 161
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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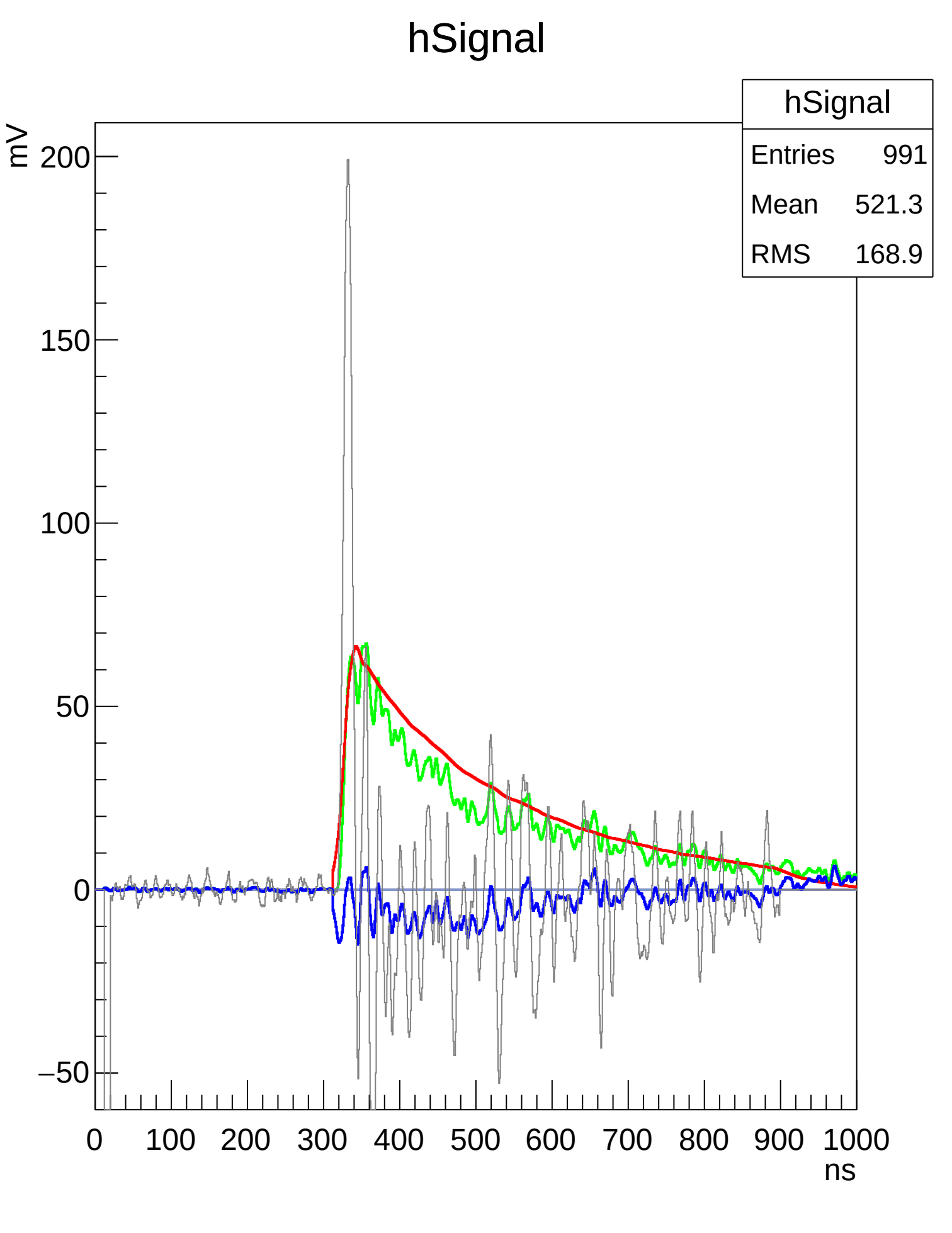
1000
ns


hSignal
hSignal
Entries 991
Mean 521.3
RMS 168.9
mV
200
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100
50
0
−50
0
100
200
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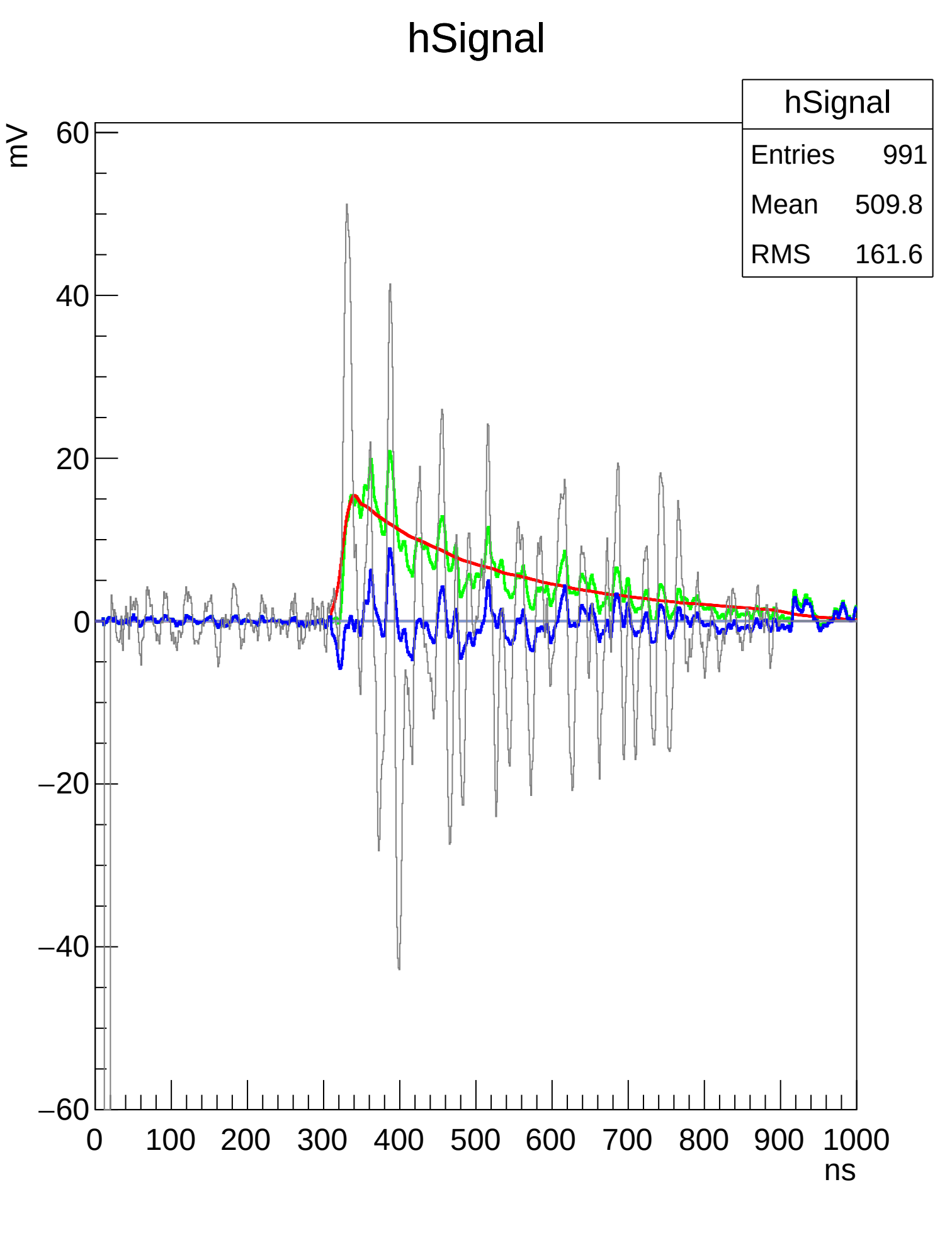
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.8
RMS 161.6
mV
60
40
20
0
−20
−40
−60
0
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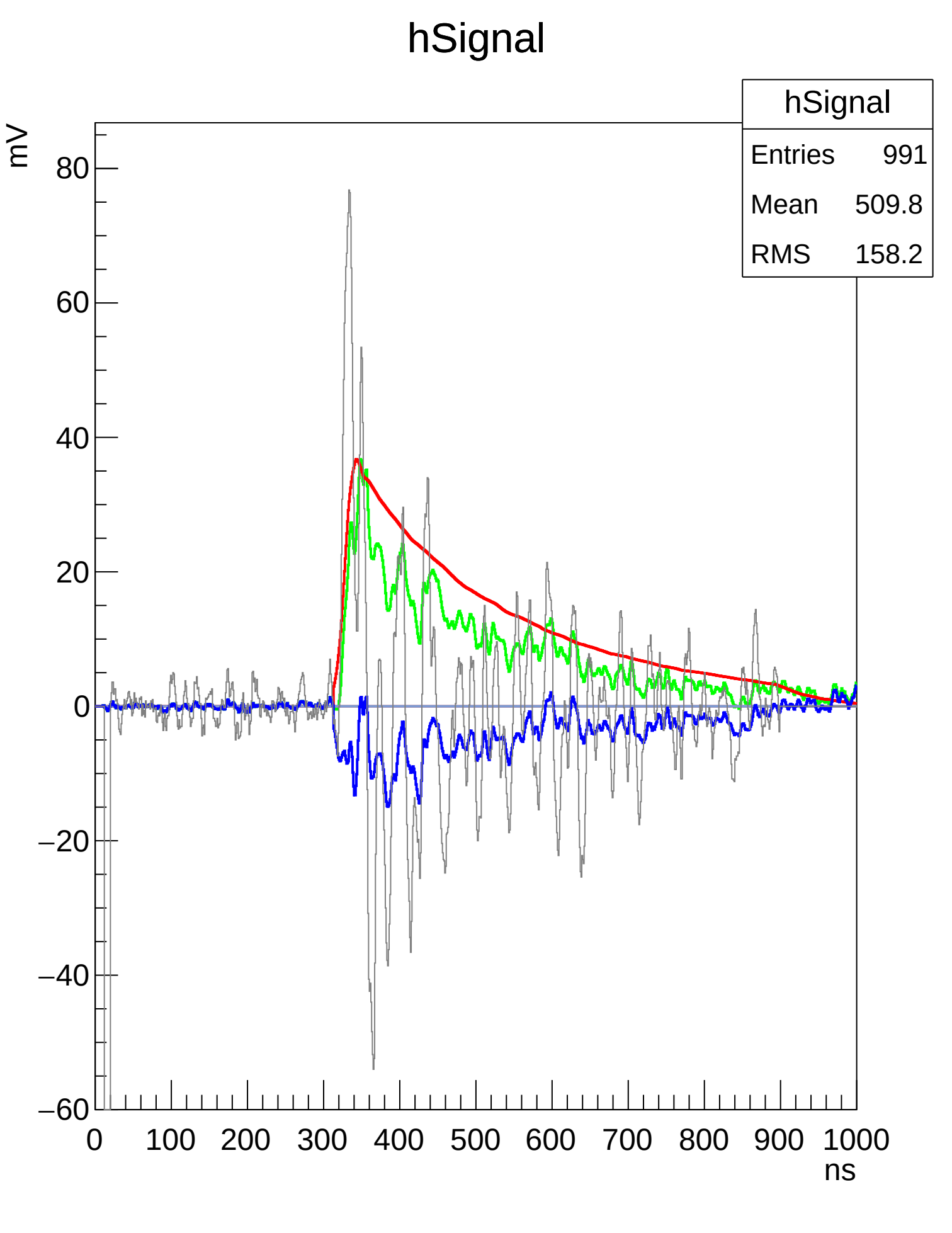
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.8
RMS 158.2
mV
80
60
40
20
0
−20
−40
−60
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100
200
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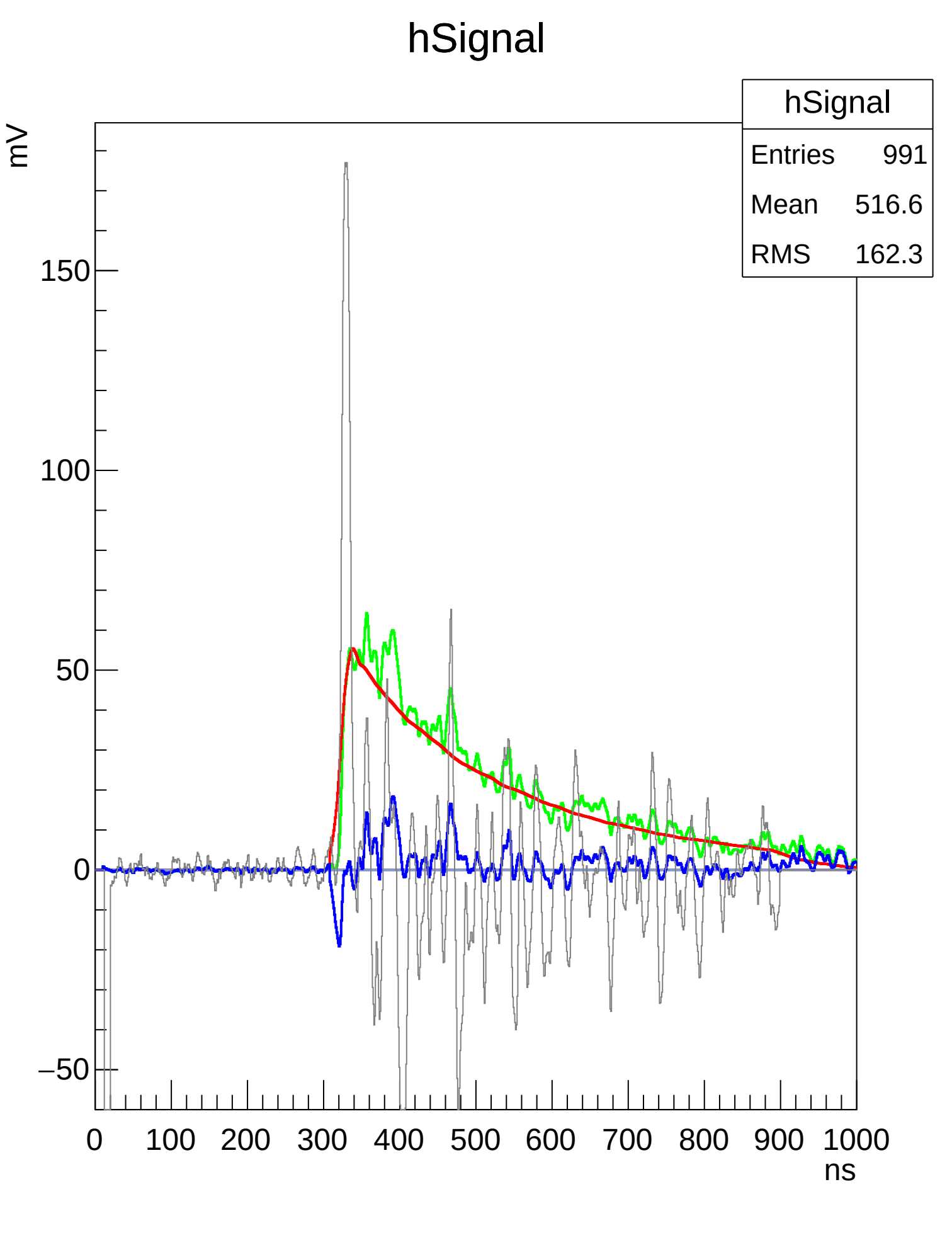
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.6
RMS 162.3
mV
150
100
50
0
−50
0
100
200
300
400
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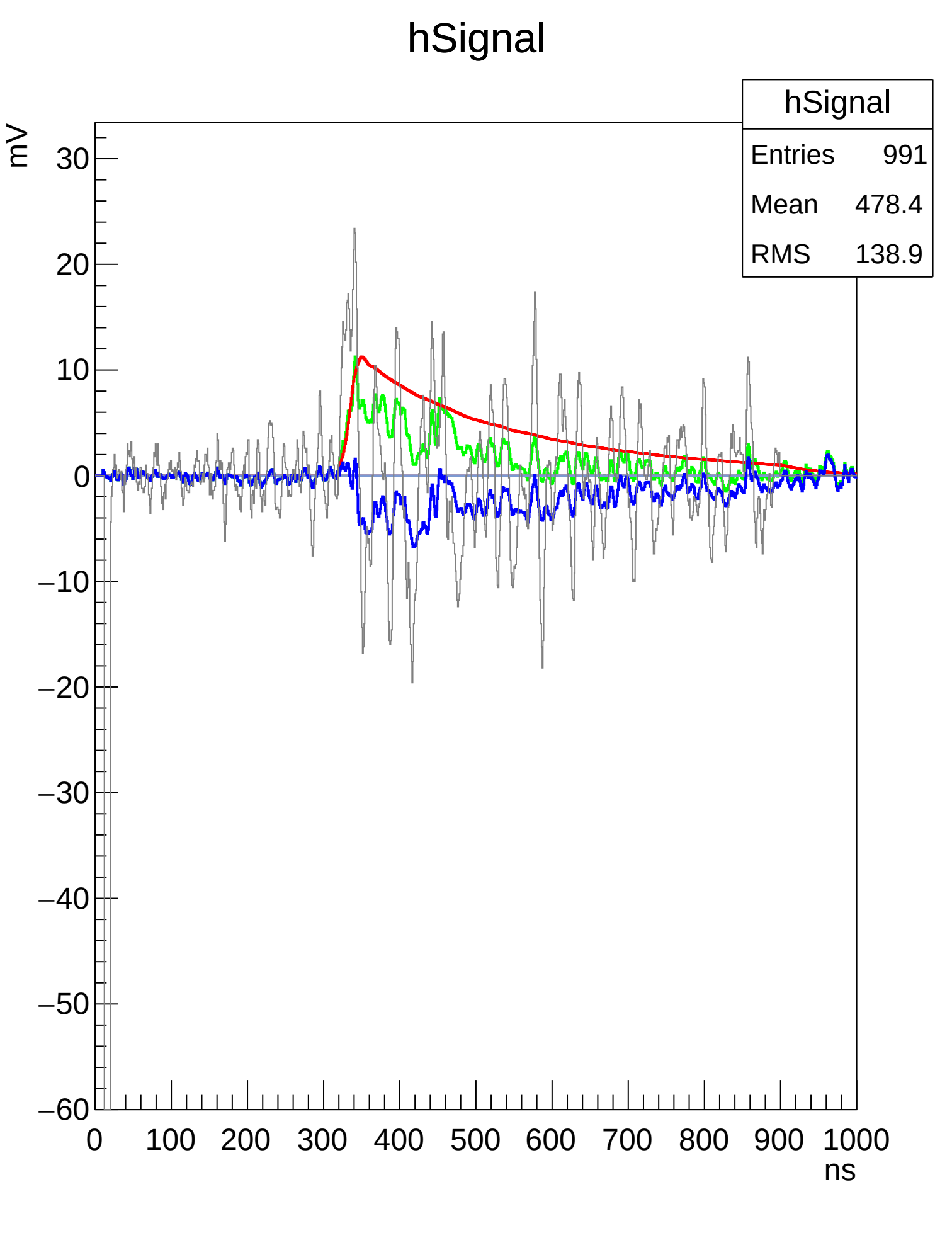
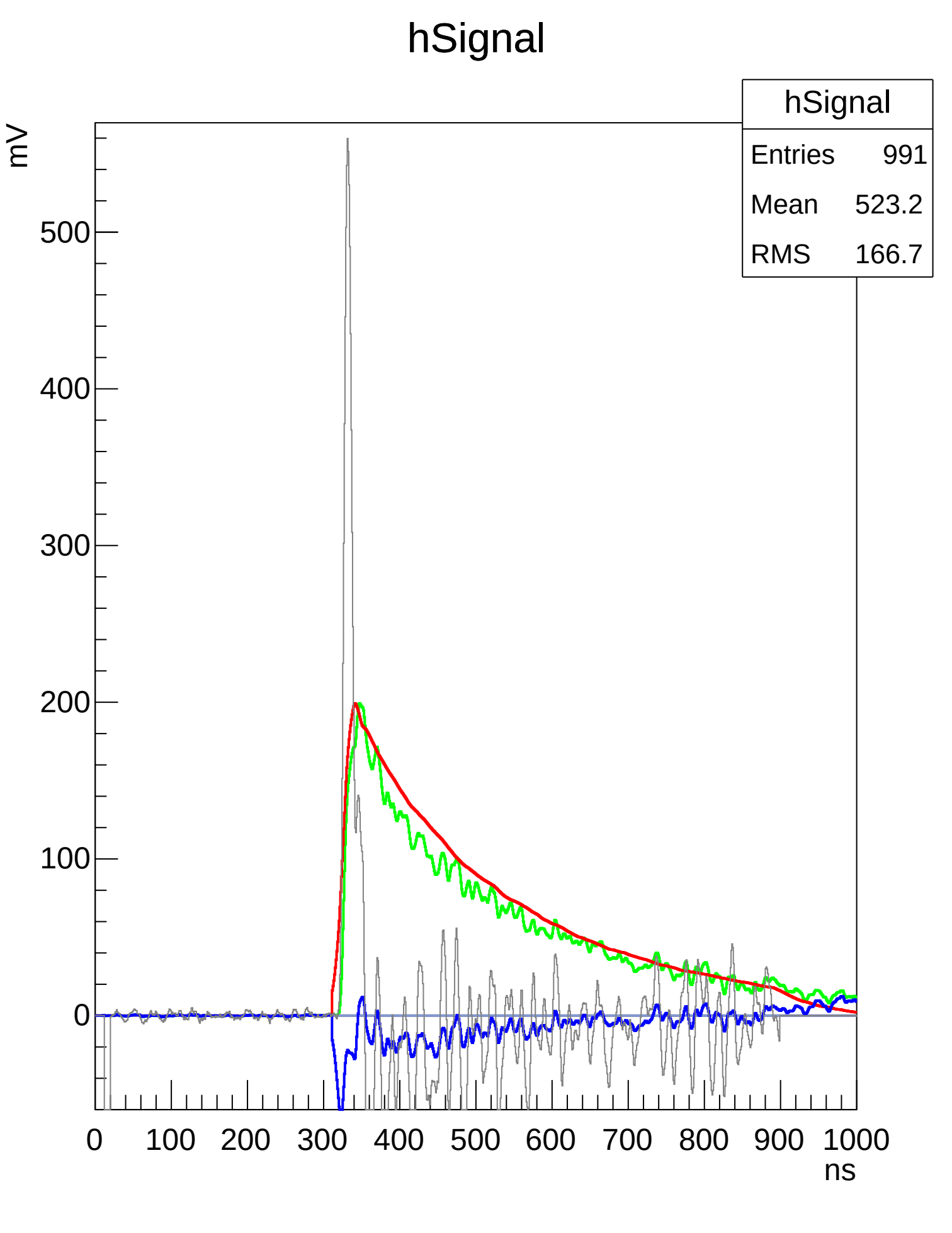
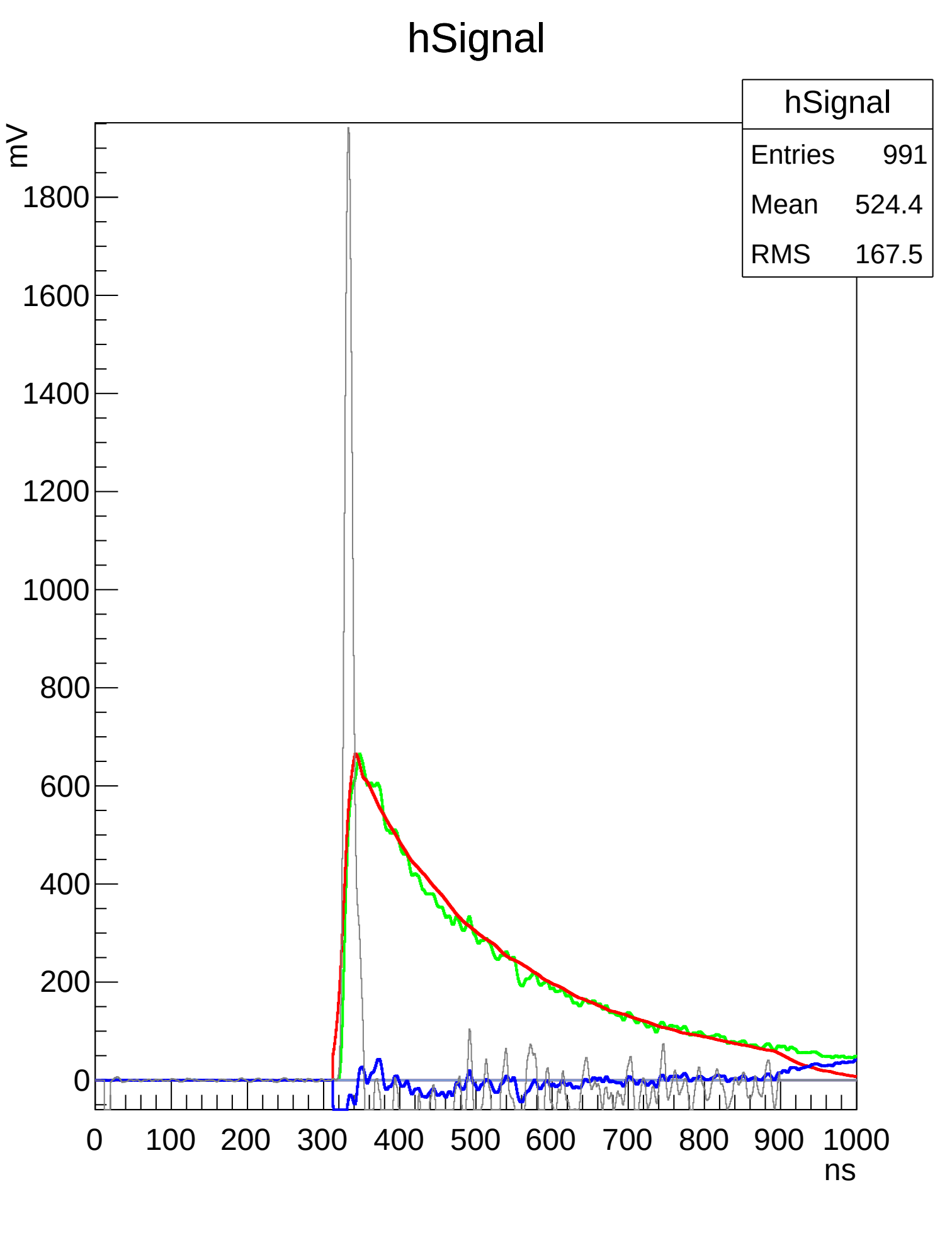
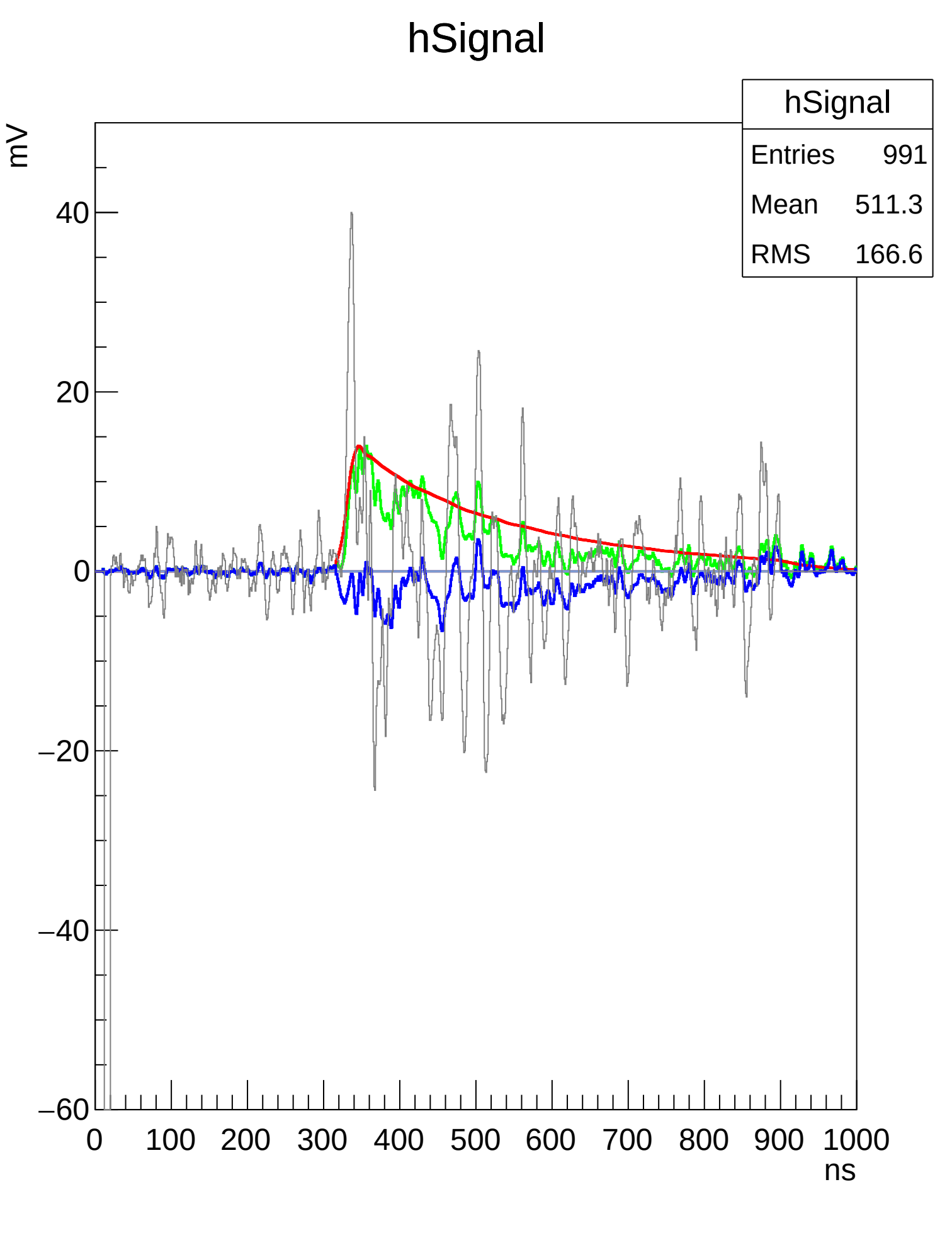
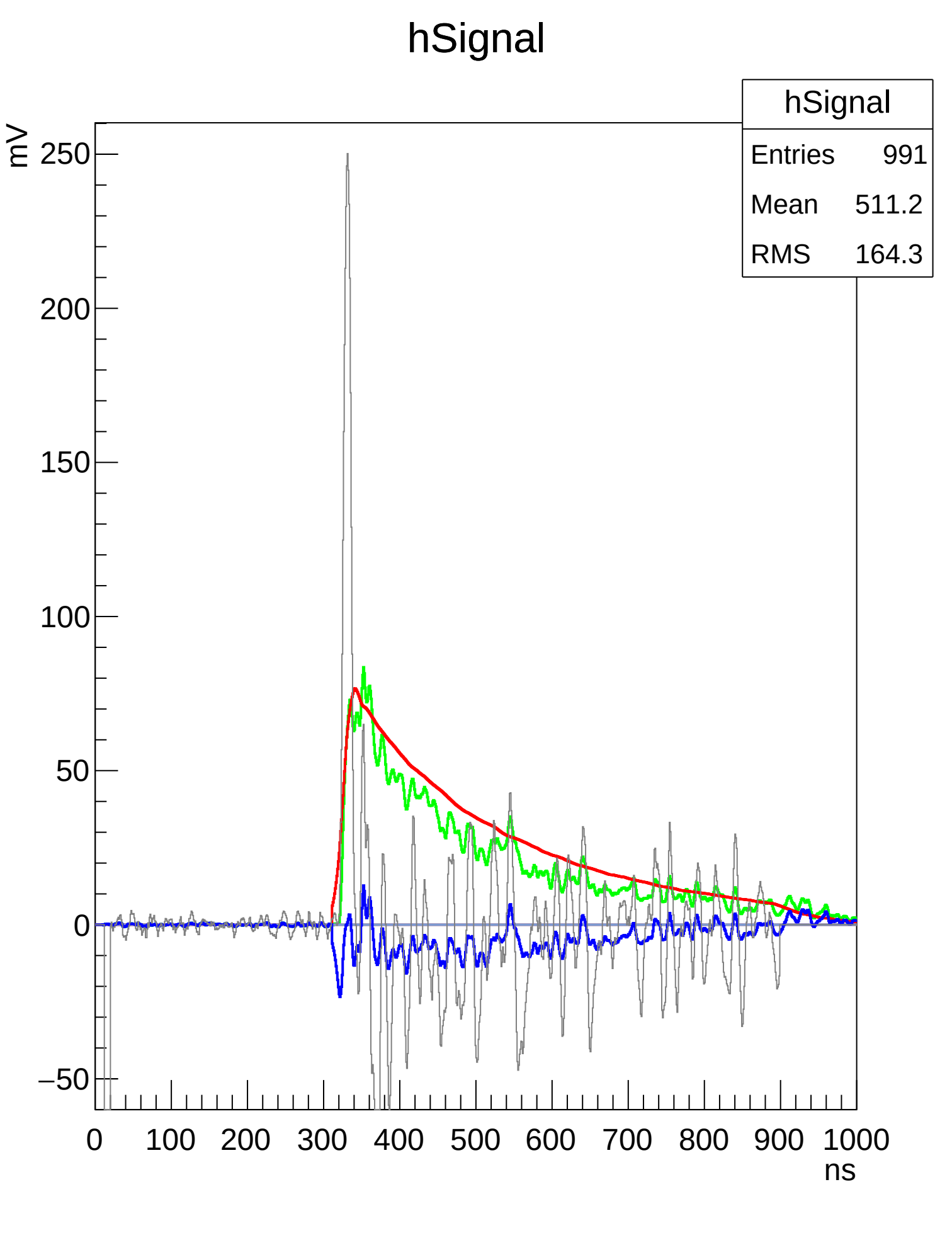
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 478.4
RMS 138.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.2
RMS 166.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.4
RMS 167.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 511.3
RMS 166.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.2
RMS 164.3
mV
250
200
150
100
50
0
−50
0
100
200
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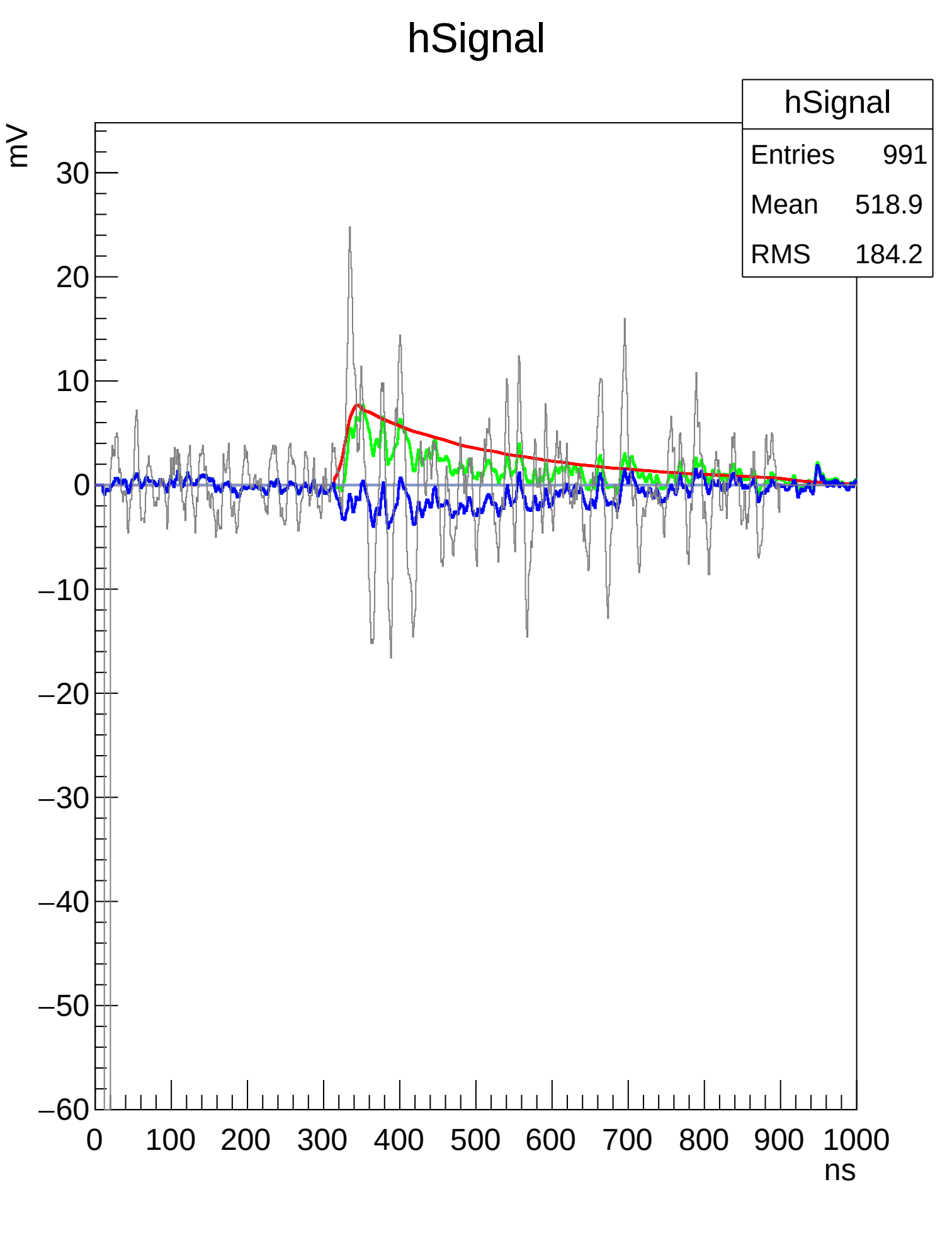
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.9
RMS 184.2
mV
30
20
10
0
−10
−20
−30
−40
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100
200
300
400
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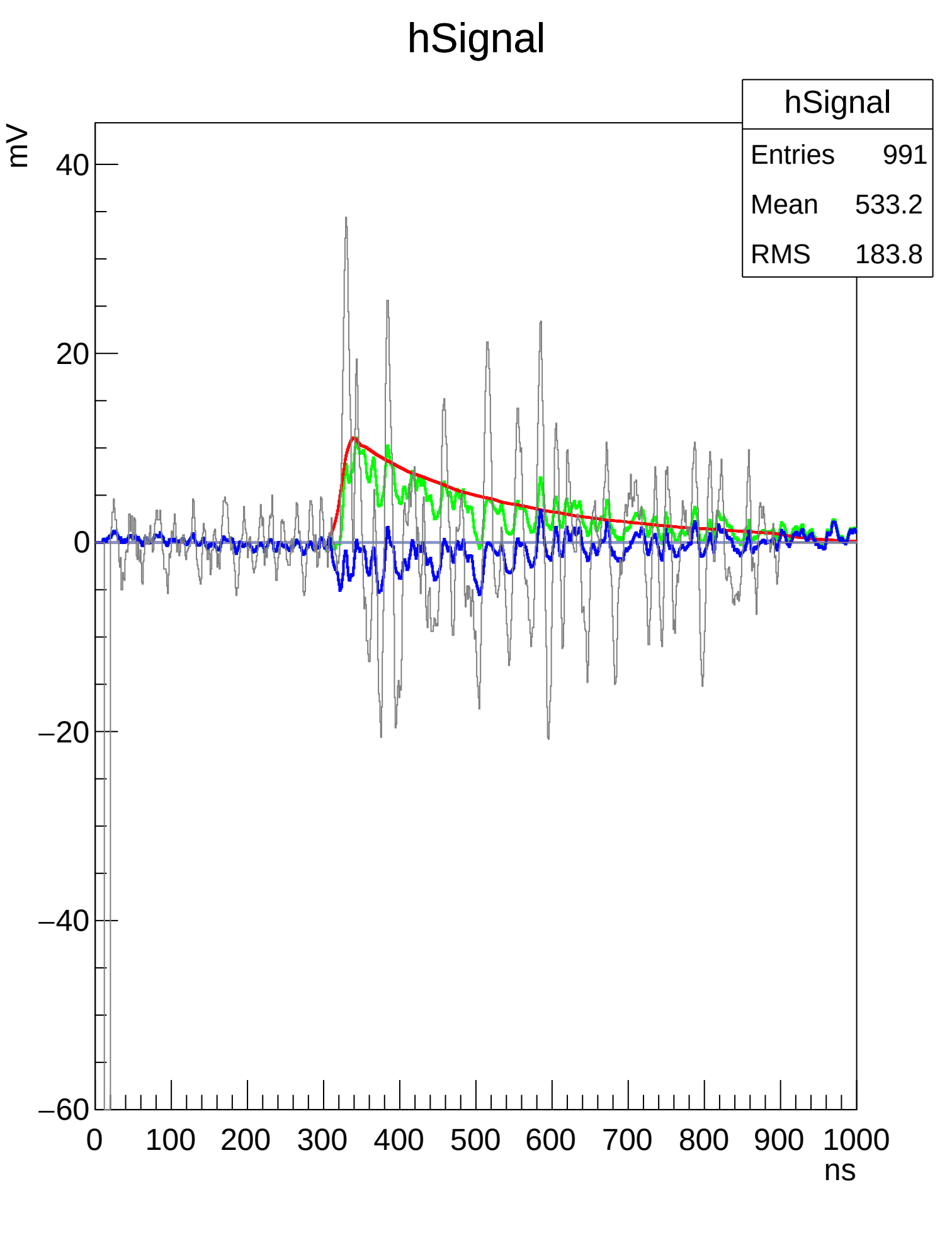
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.2
RMS 183.8
mV
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0
−20
−40
−60
0
100
200
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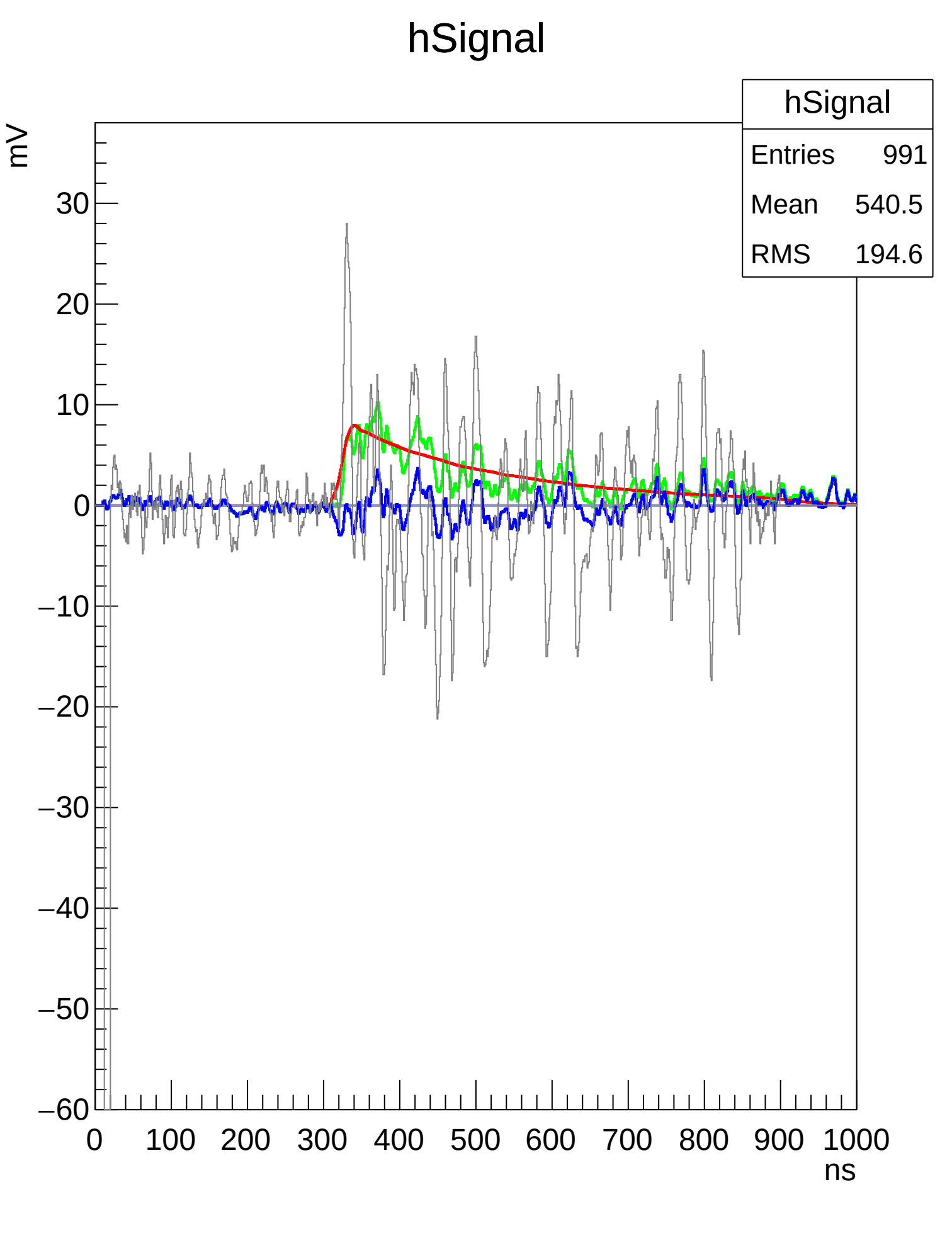
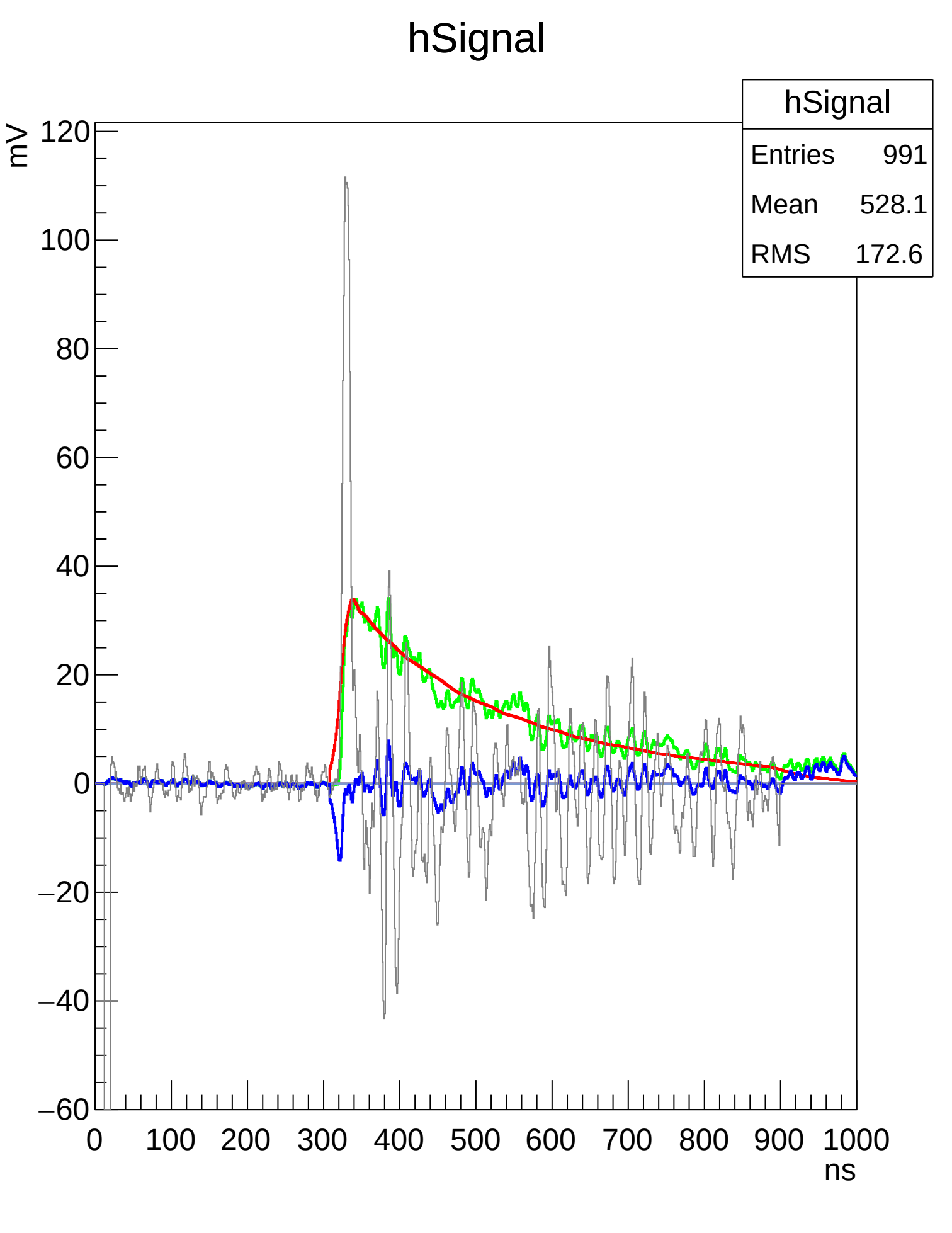
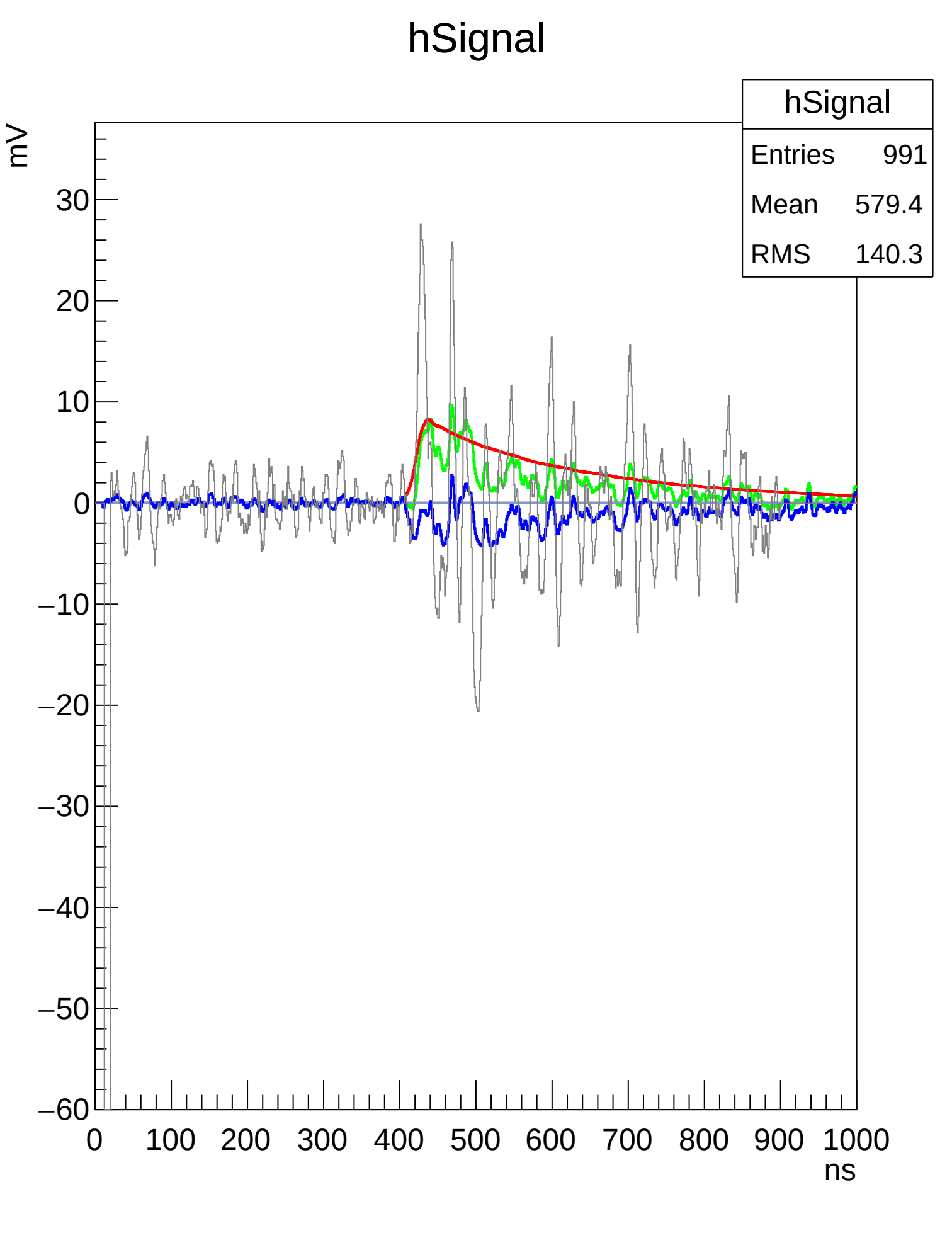
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.5
RMS 194.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.1
RMS 172.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.4
RMS 140.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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800
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1000
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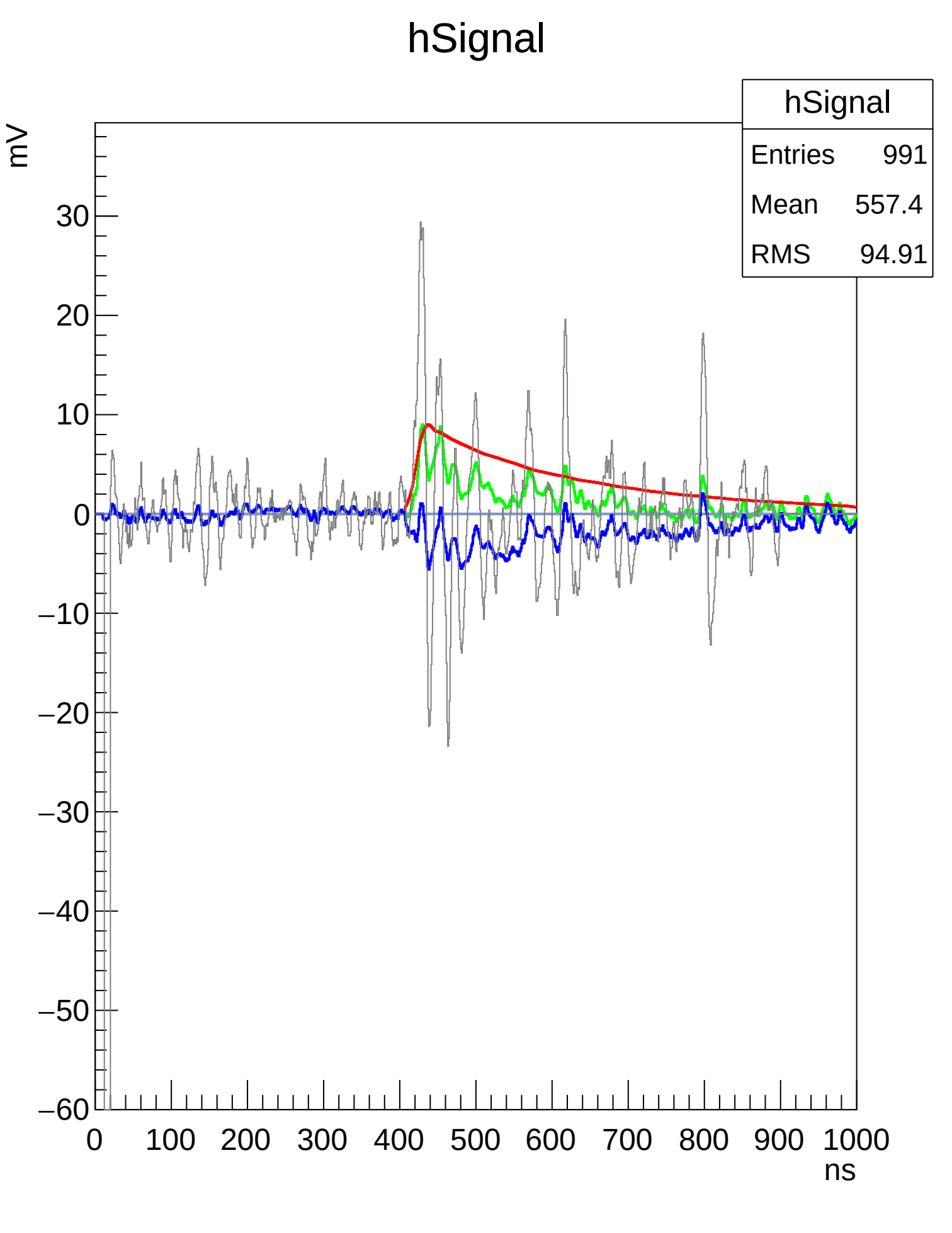
hSignal
hSignal
Entries 991
Mean 557.4
RMS 94.91
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
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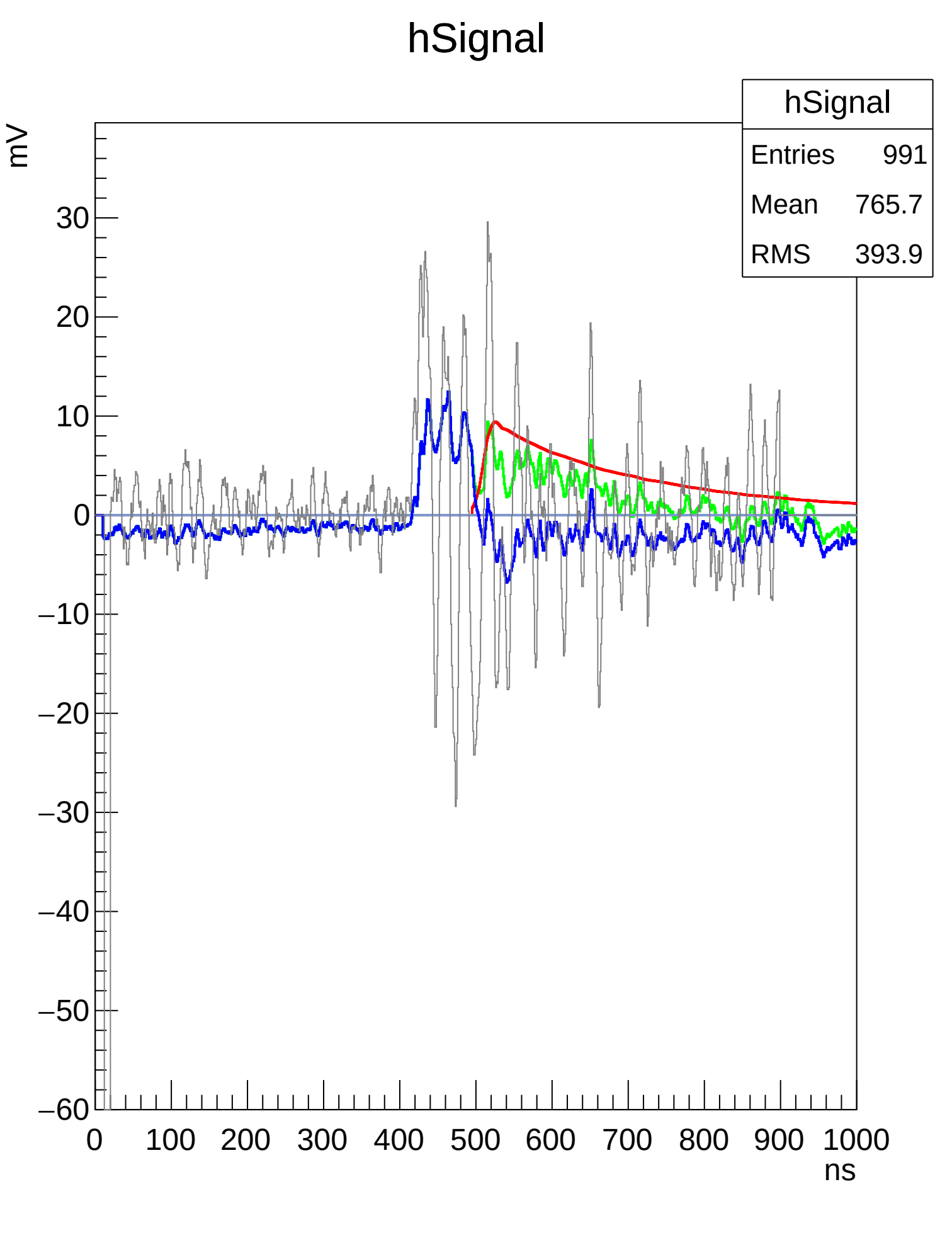
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 765.7
RMS 393.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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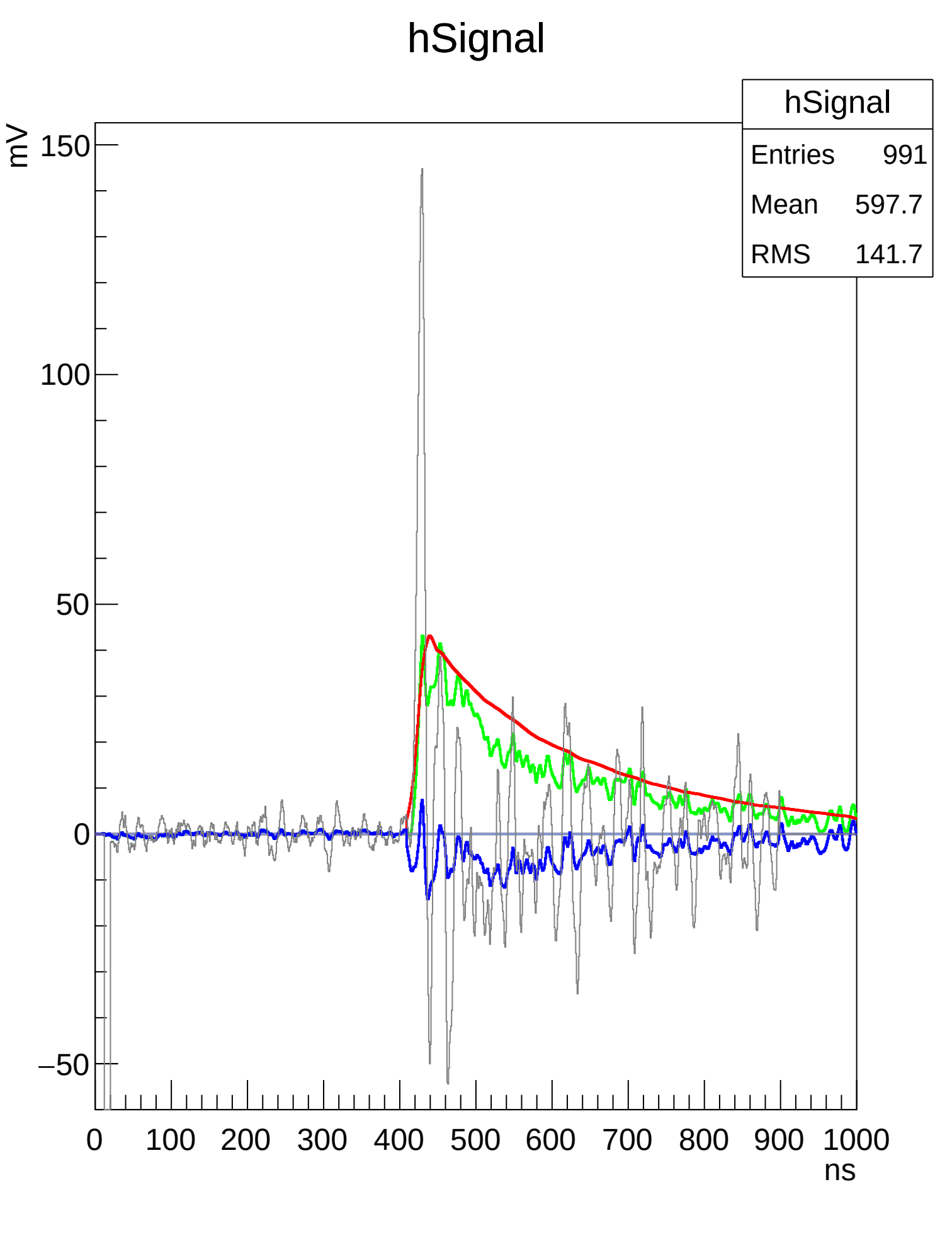
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 141.7
mV
150
100
50
0
−50
0
100
200
300
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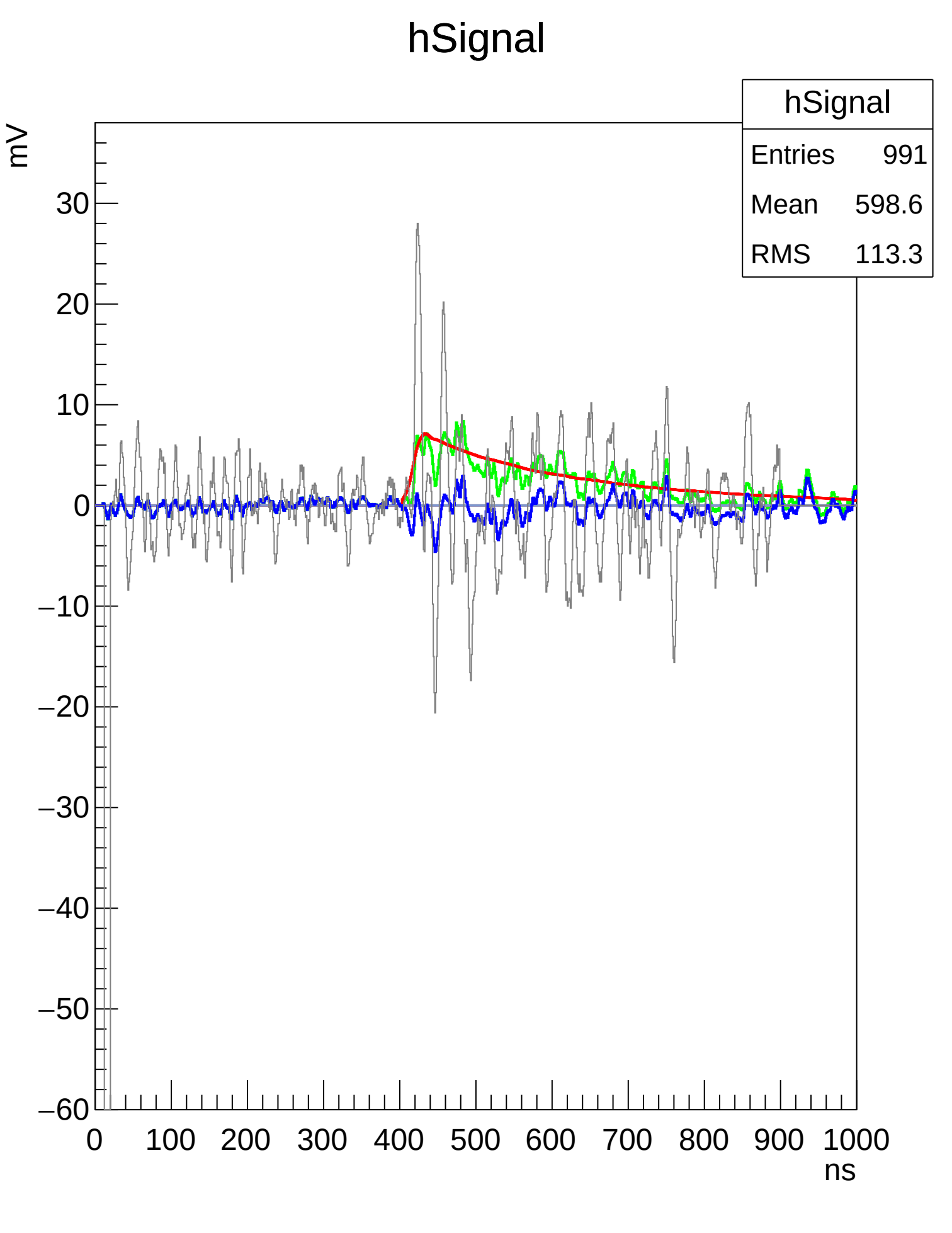
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.6
RMS 113.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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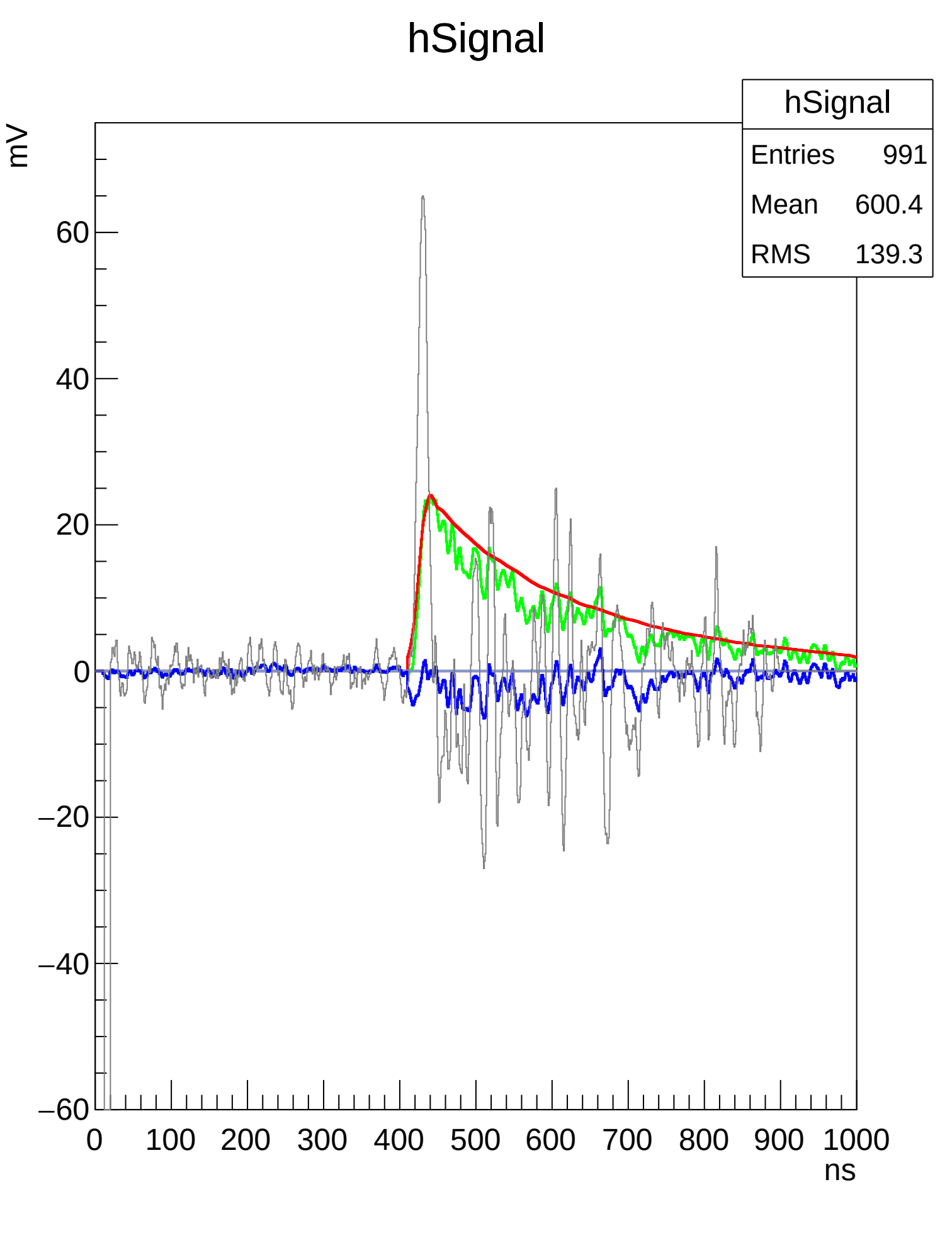
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.4
RMS 139.3
mV
60
40
20
0
−20
−40
−60
0
100
200
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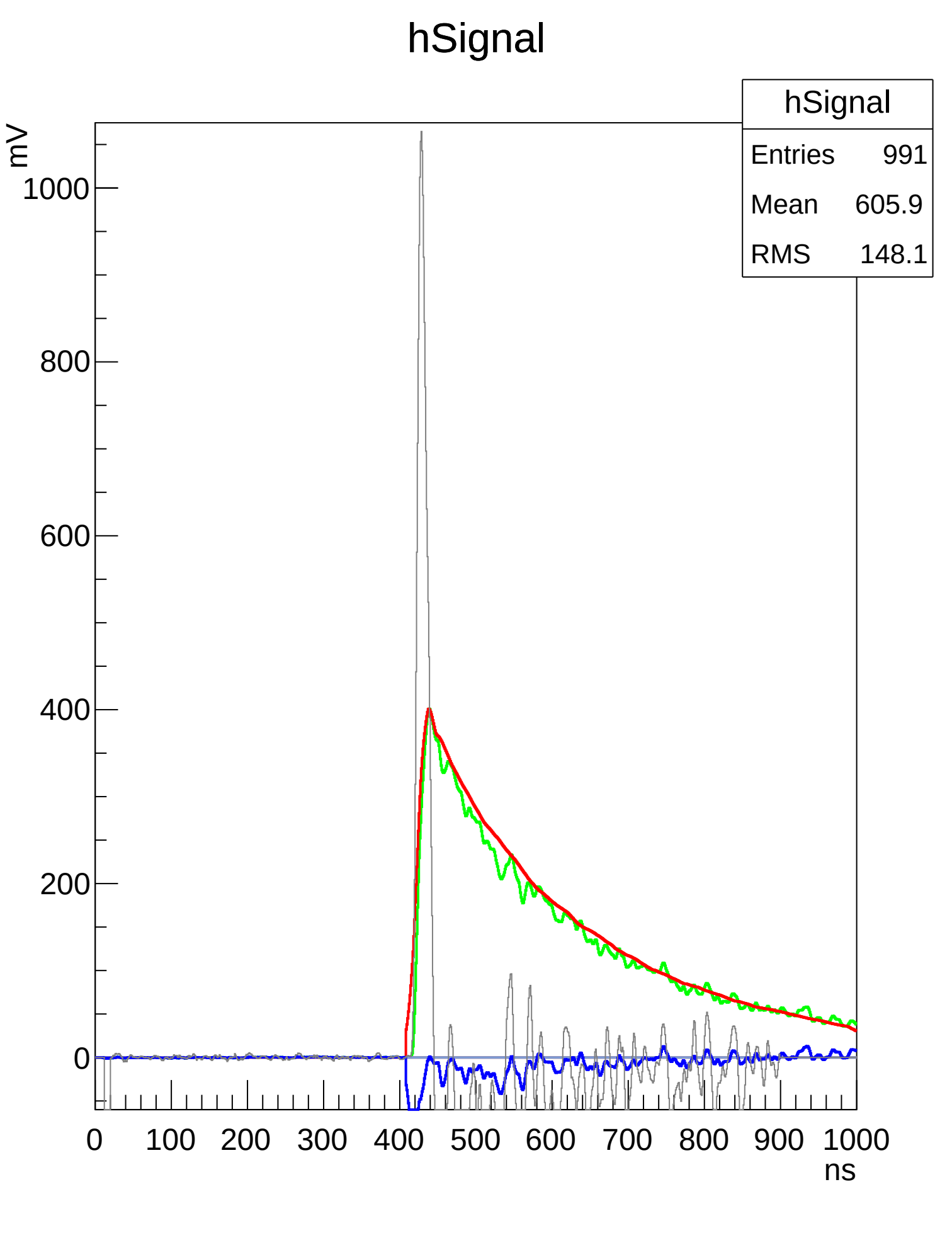
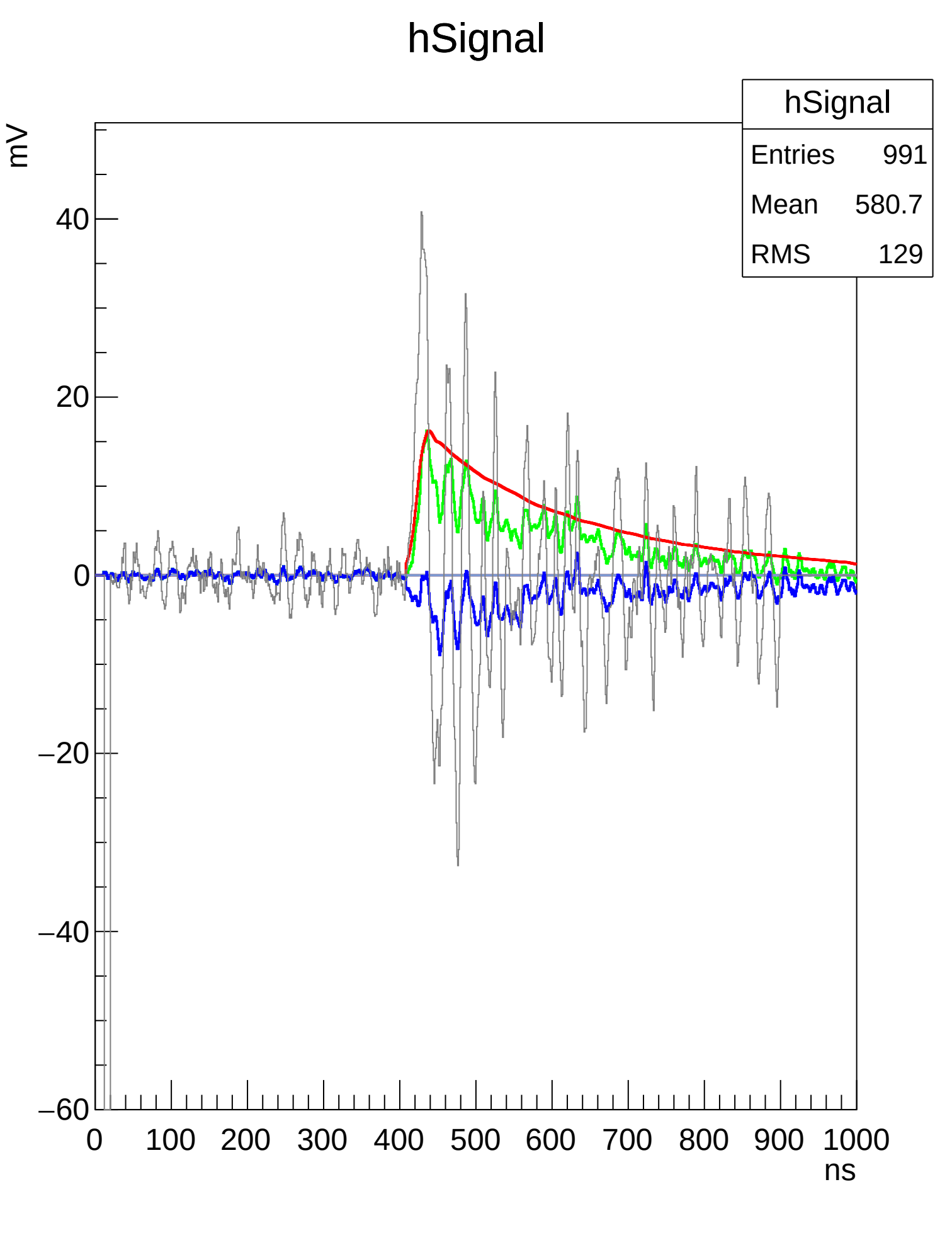
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 148.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.7
RMS 129
mV
40
20
0
−20
−40
−60
0
100
200
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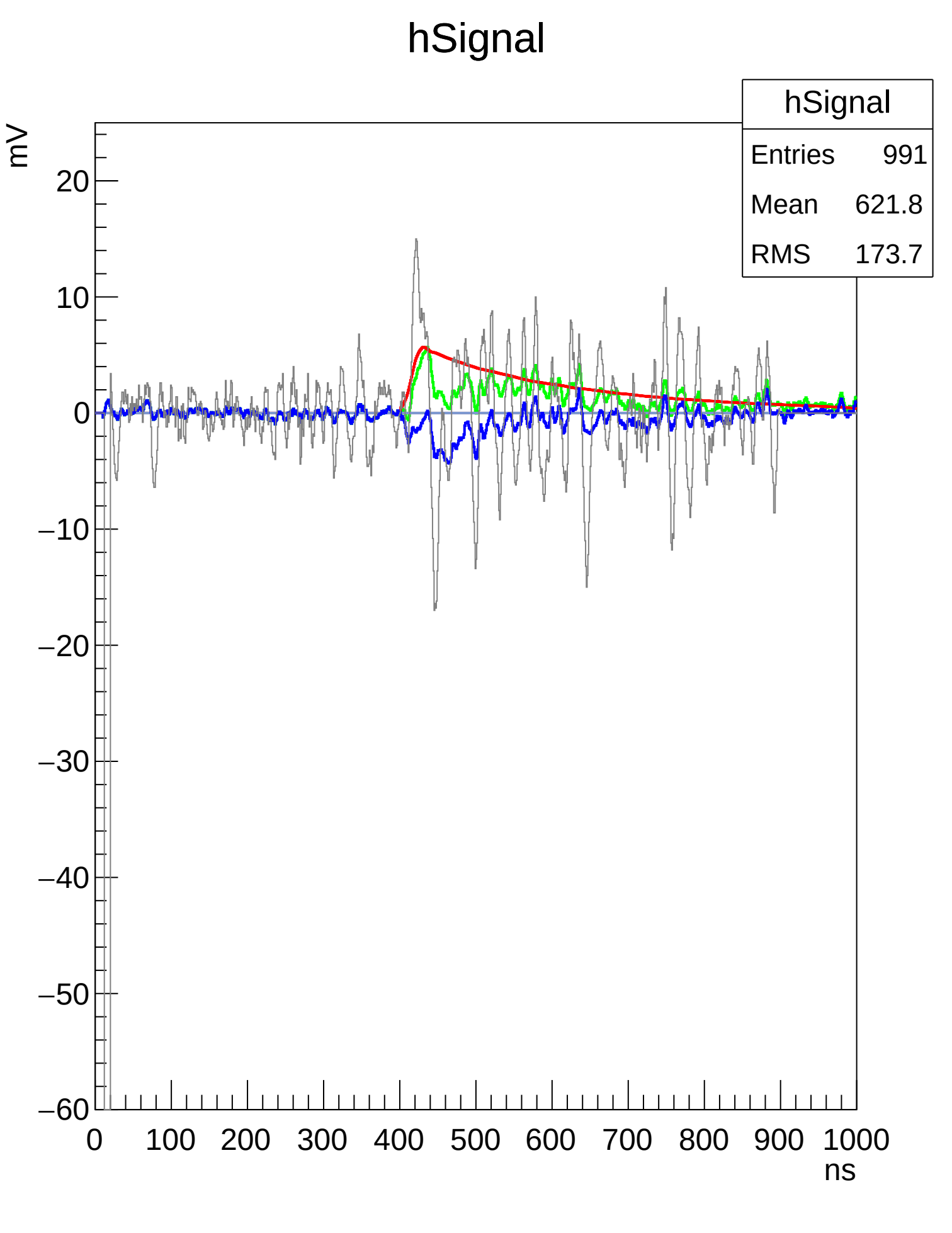
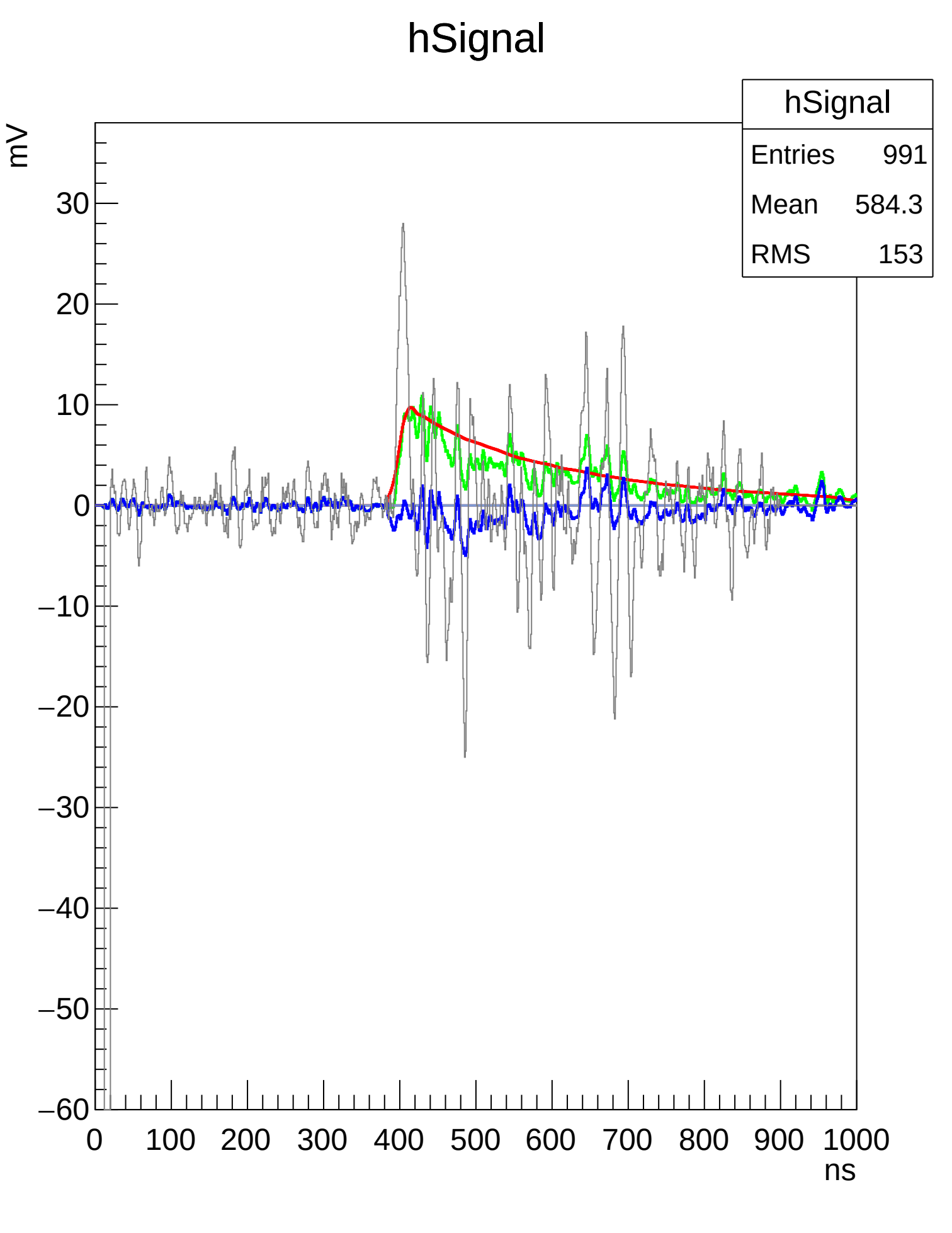
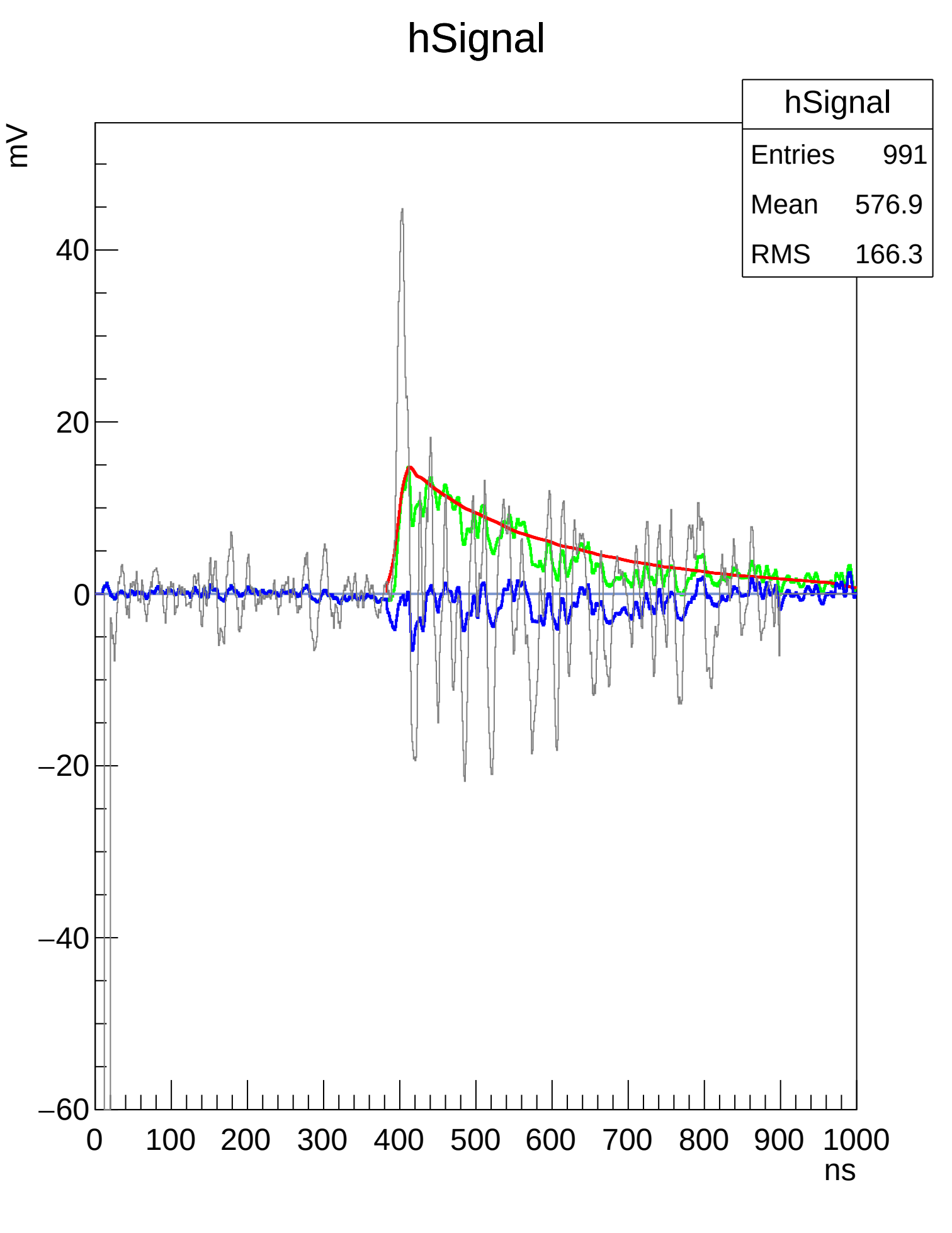
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.8
RMS 173.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.3
RMS 153
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.9
RMS 166.3
mV
40
20
0
−20
−40
−60
0
100
200
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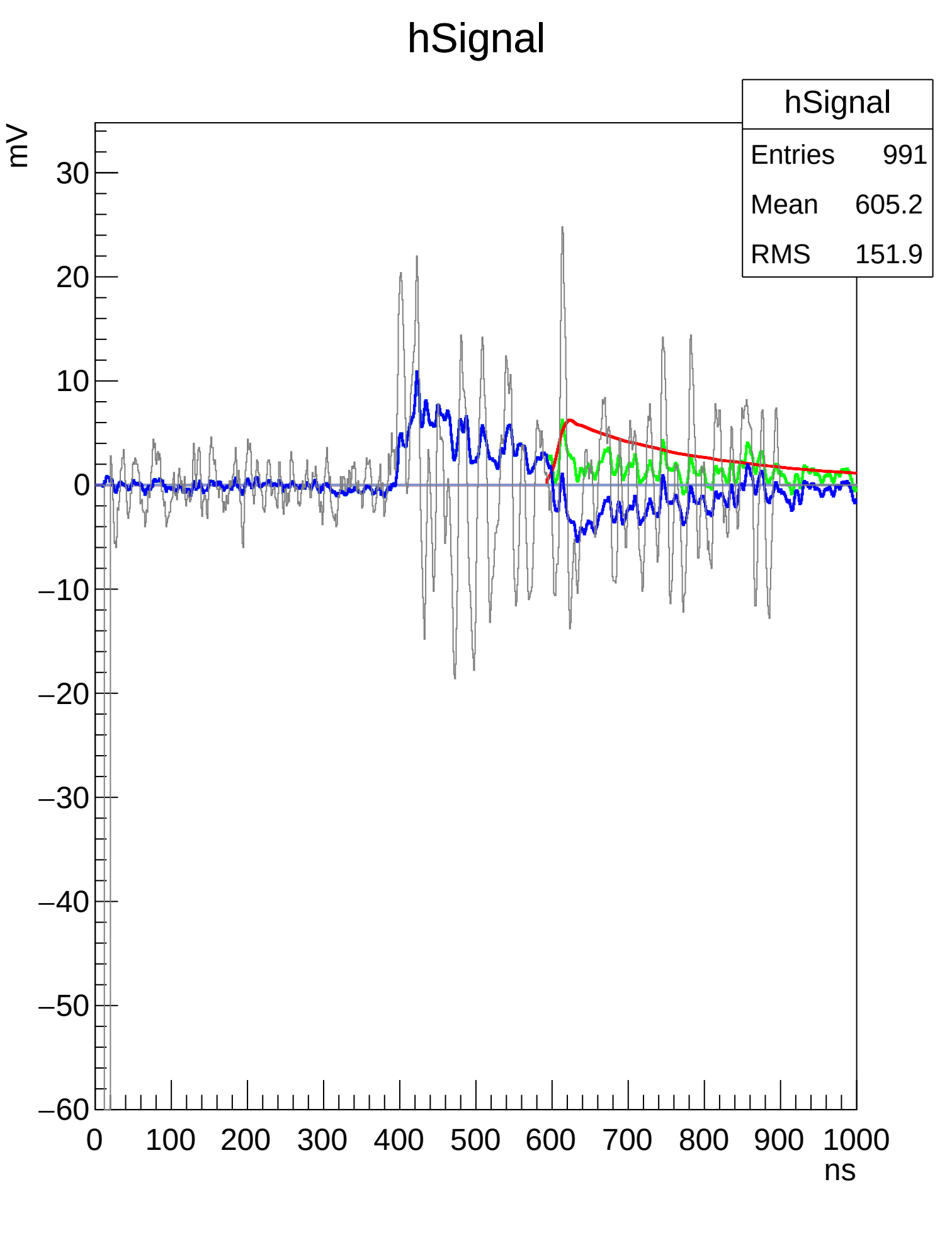
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.2
RMS 151.9
mV
30
20
10
0
−10
−20
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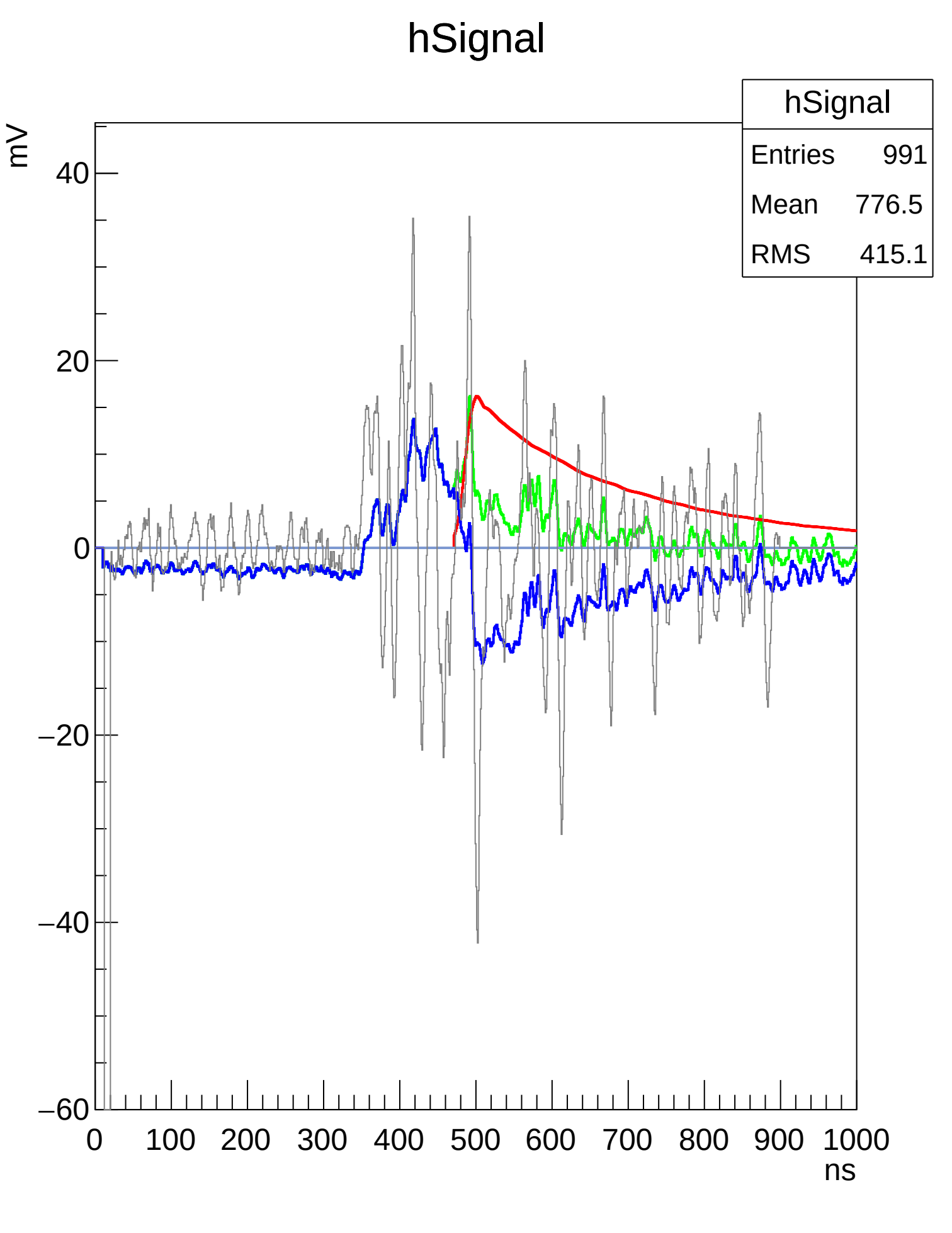
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 776.5
RMS 415.1
mV
40
20
0
−20
−40
−60
0
100
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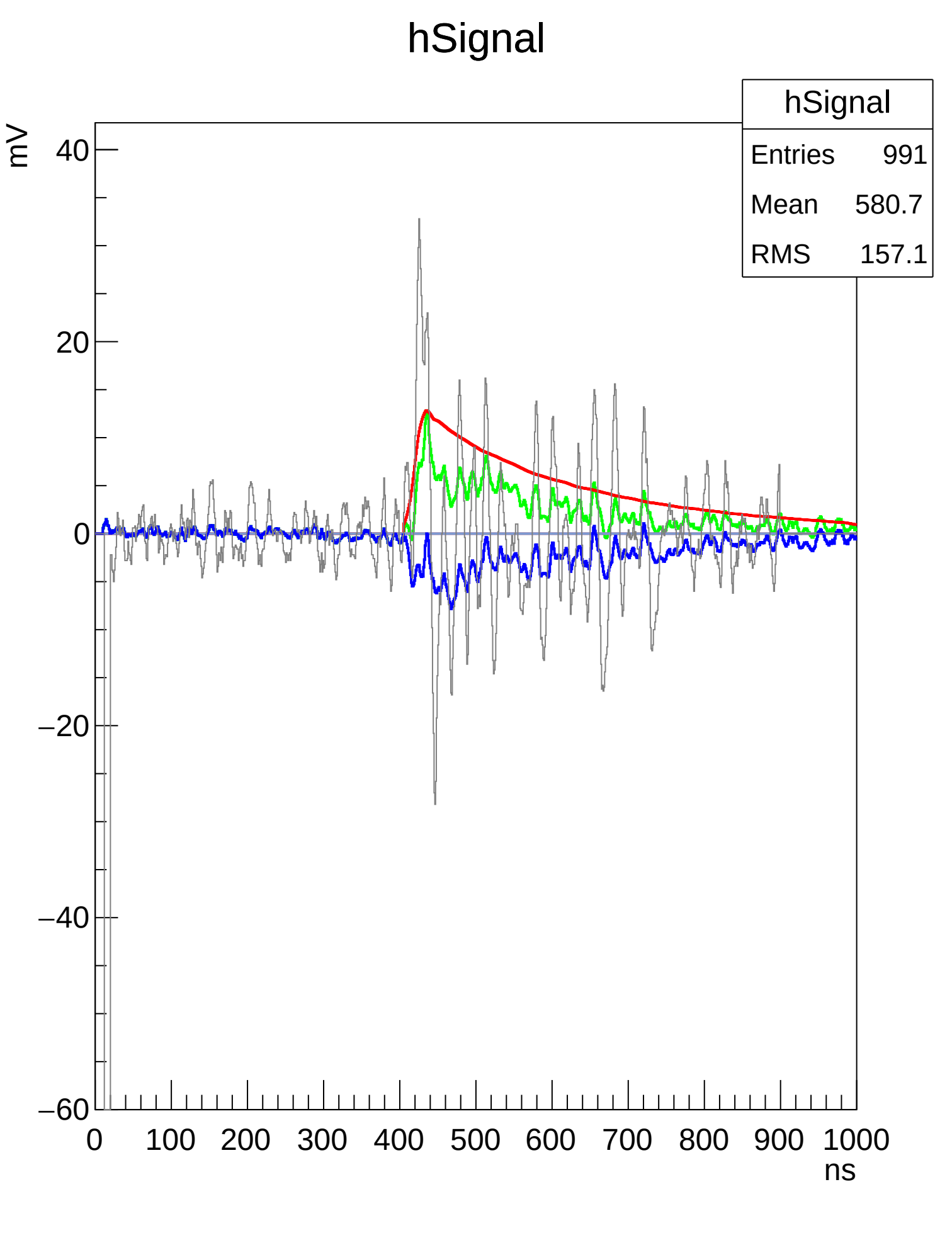
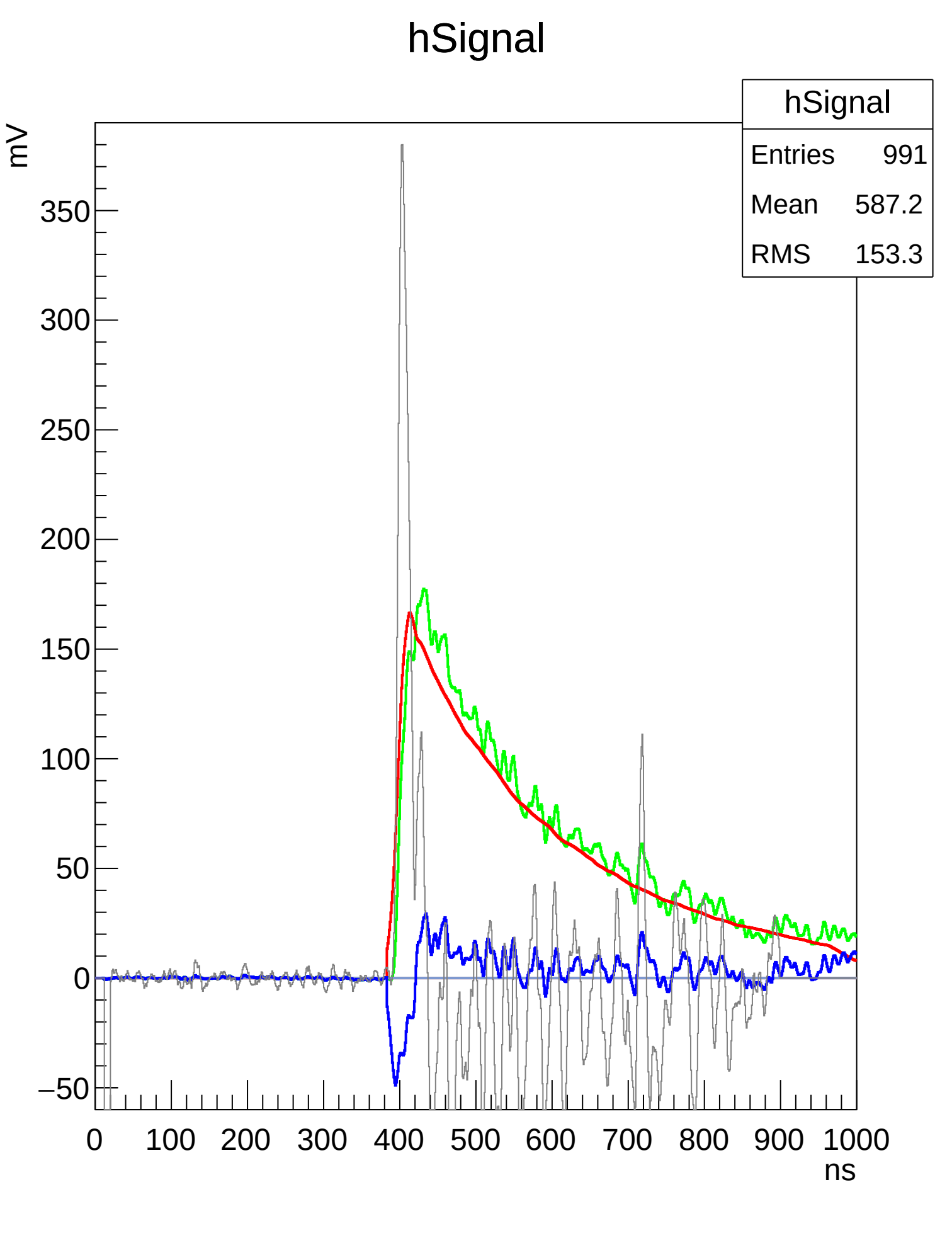
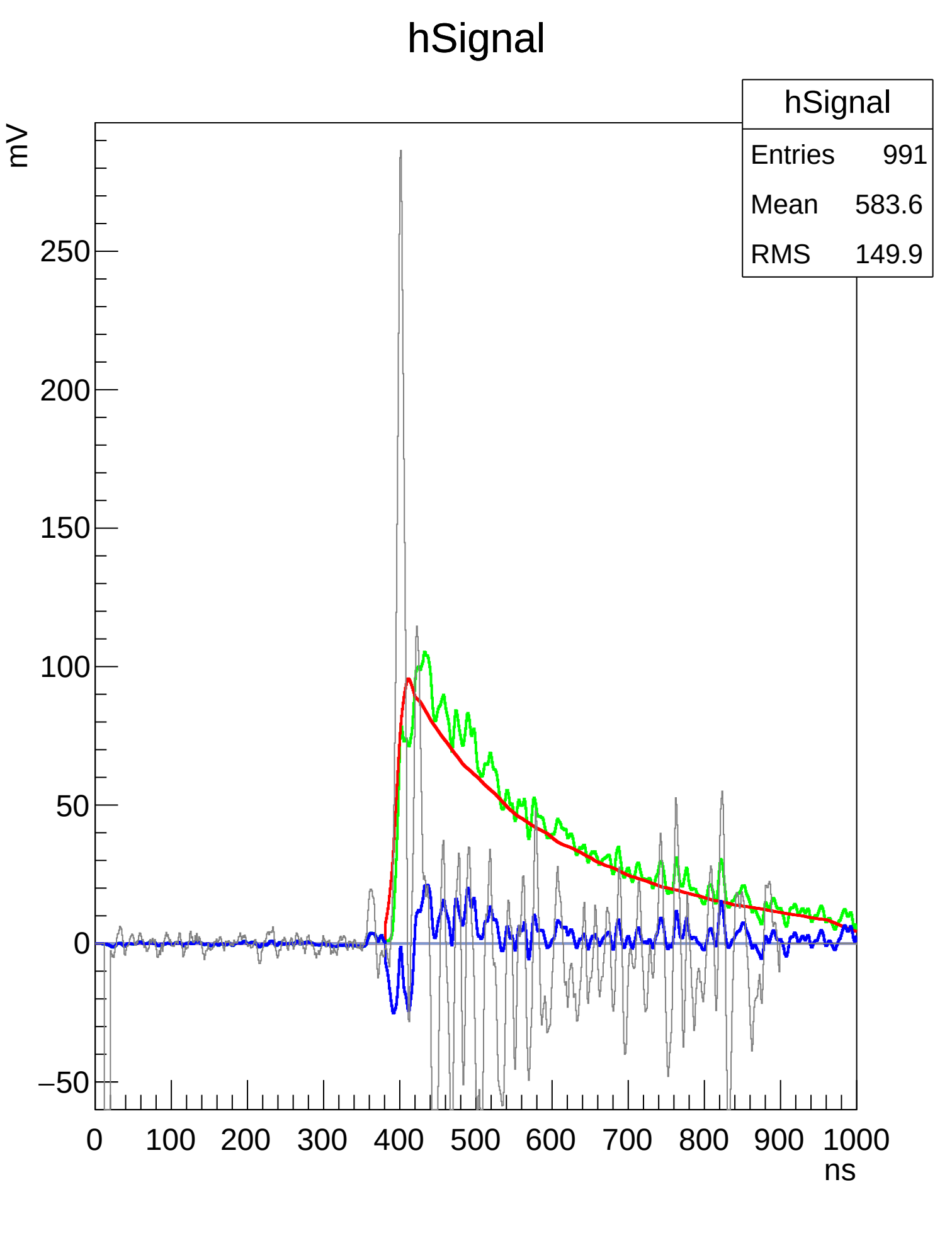
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.7
RMS 157.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.2
RMS 153.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 149.9
mV
250
200
150
100
50
0
−50
0
100
200
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400
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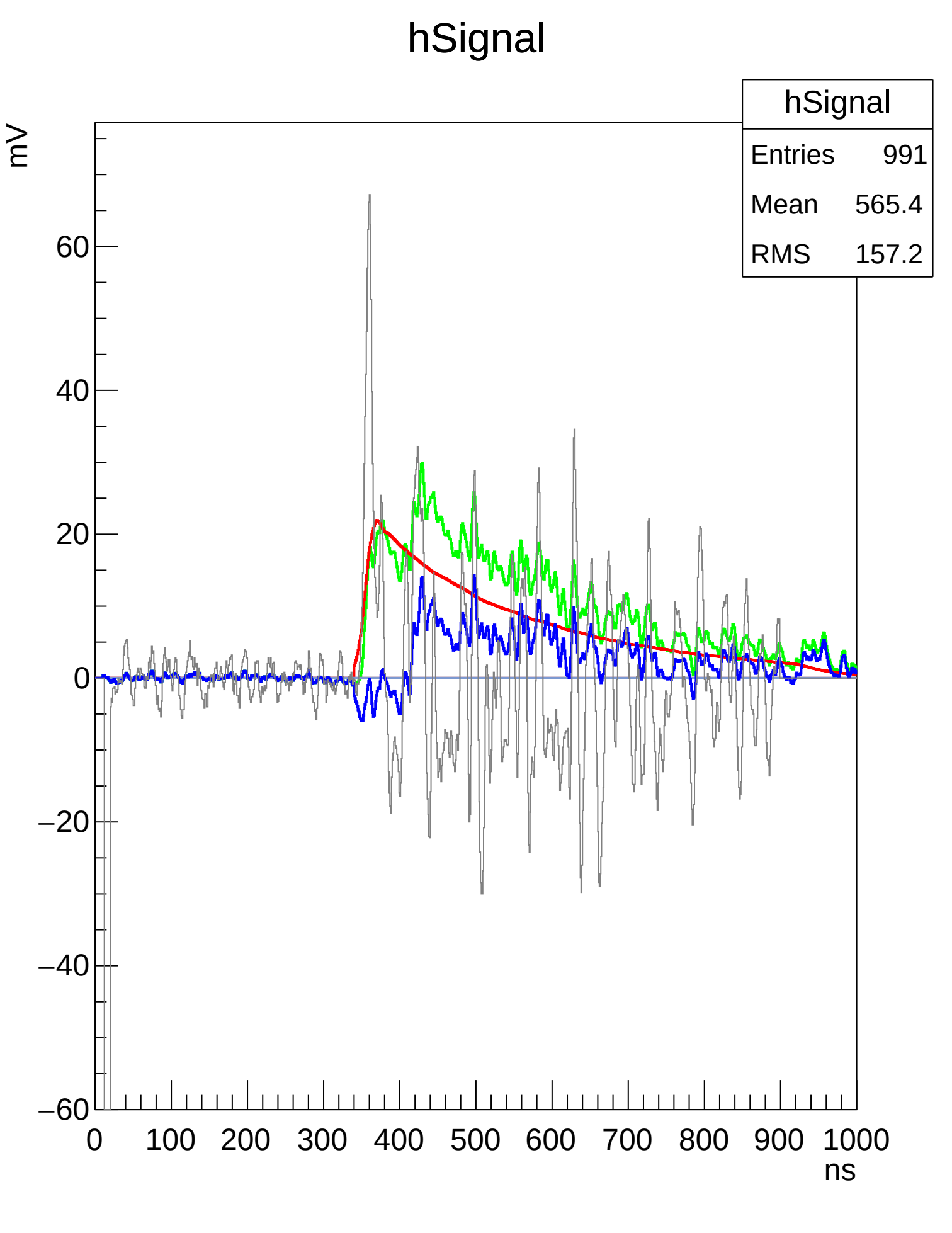
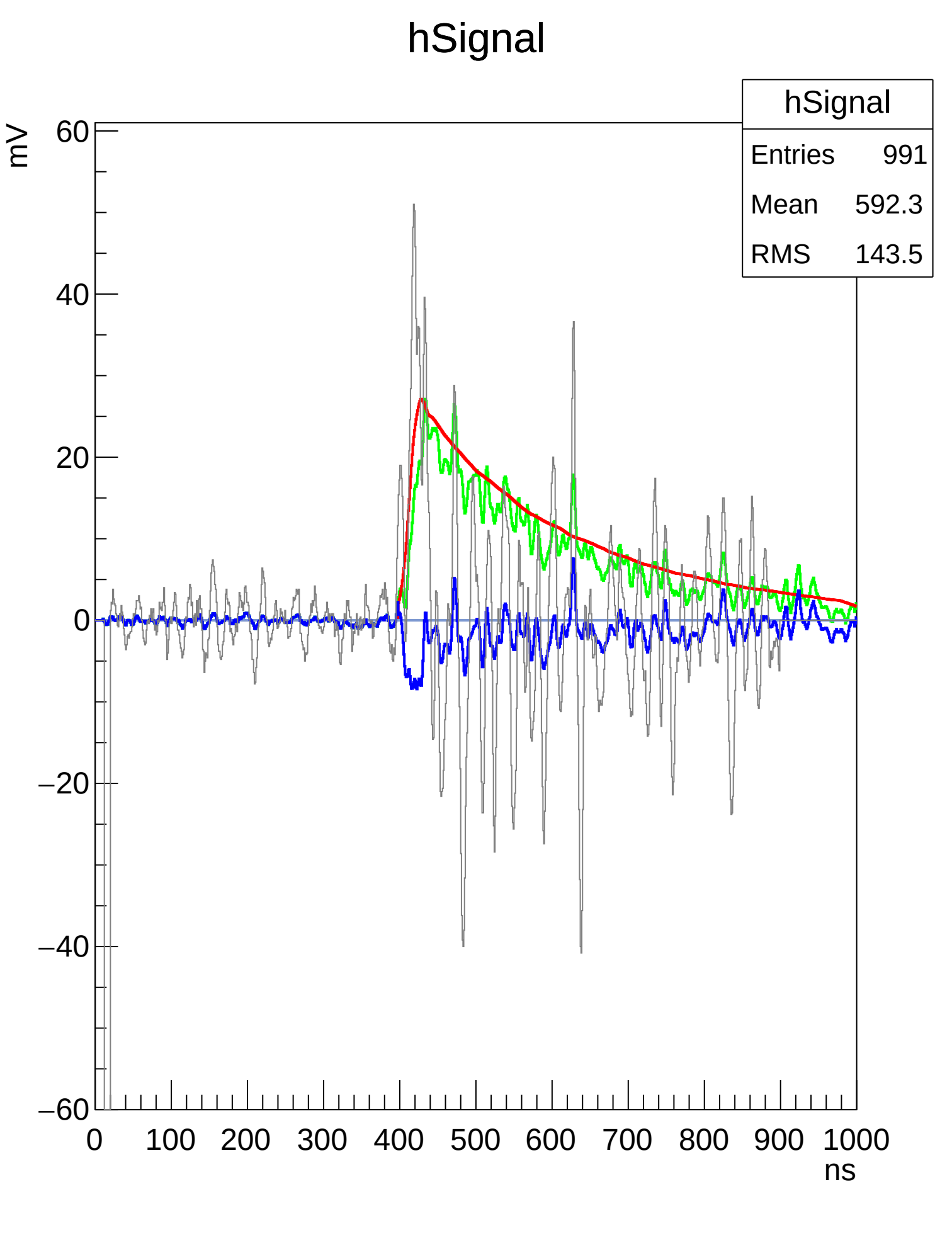
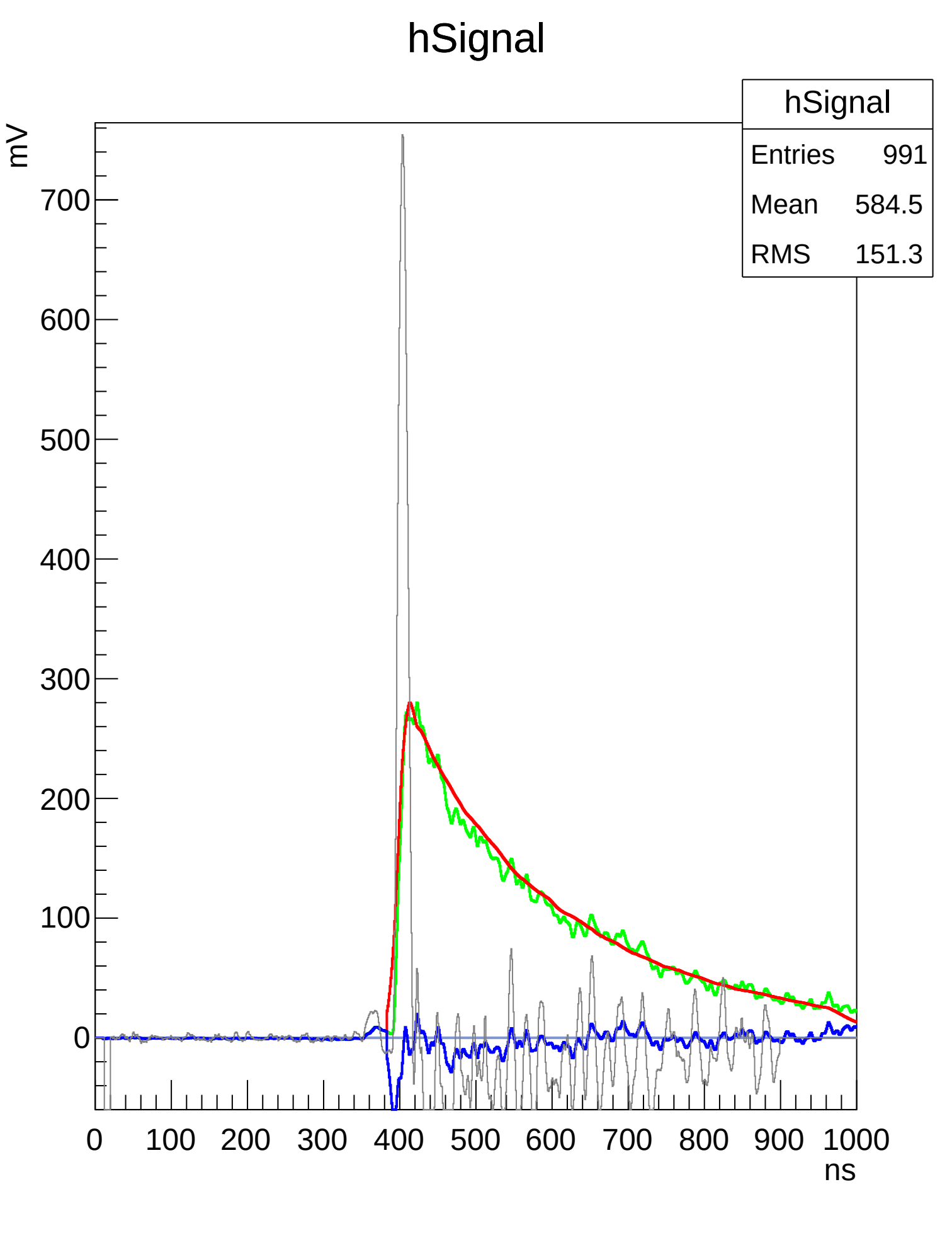
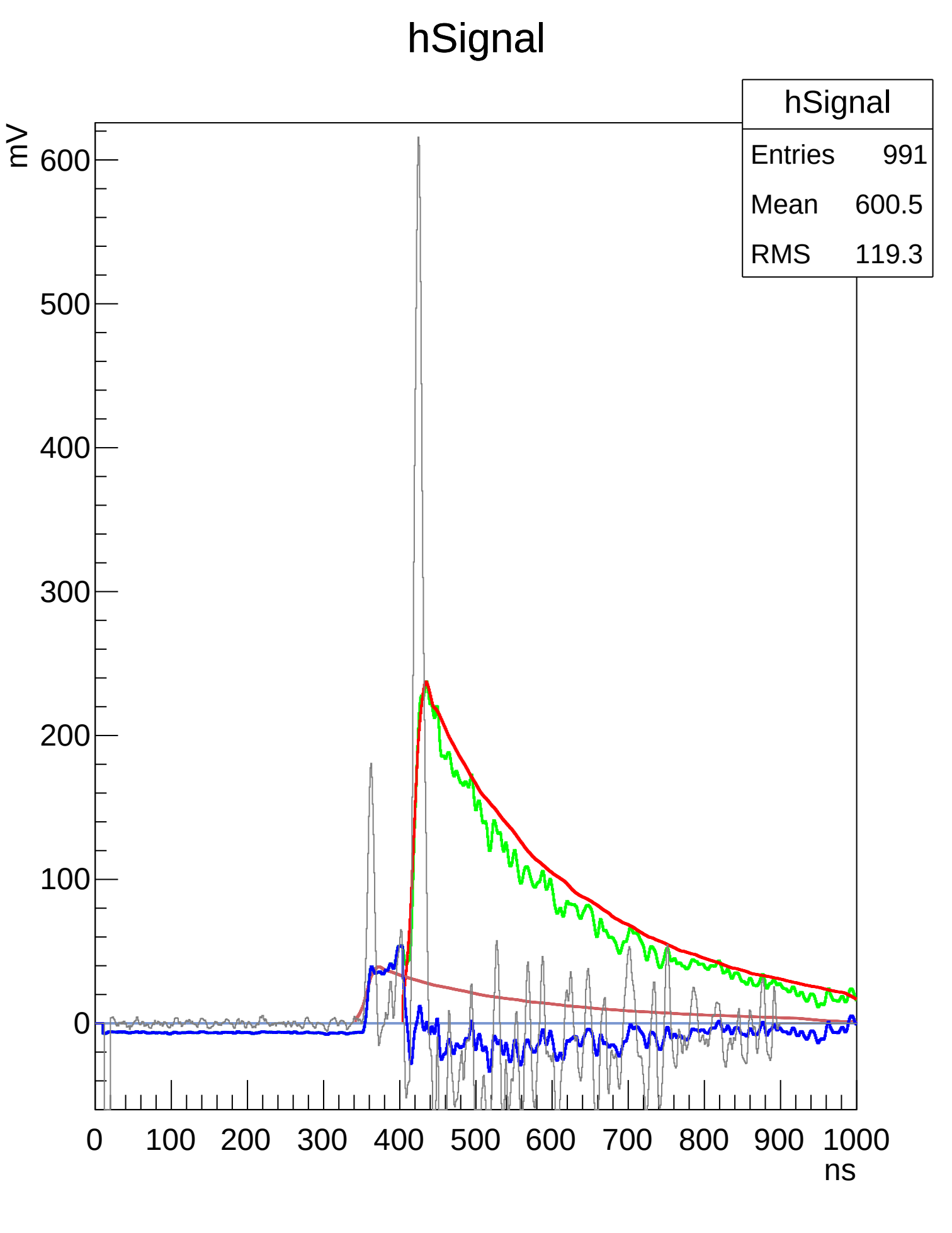
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.4
RMS 157.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.3
RMS 143.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.5
RMS 151.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.5
RMS 119.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
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600
700
800
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1000
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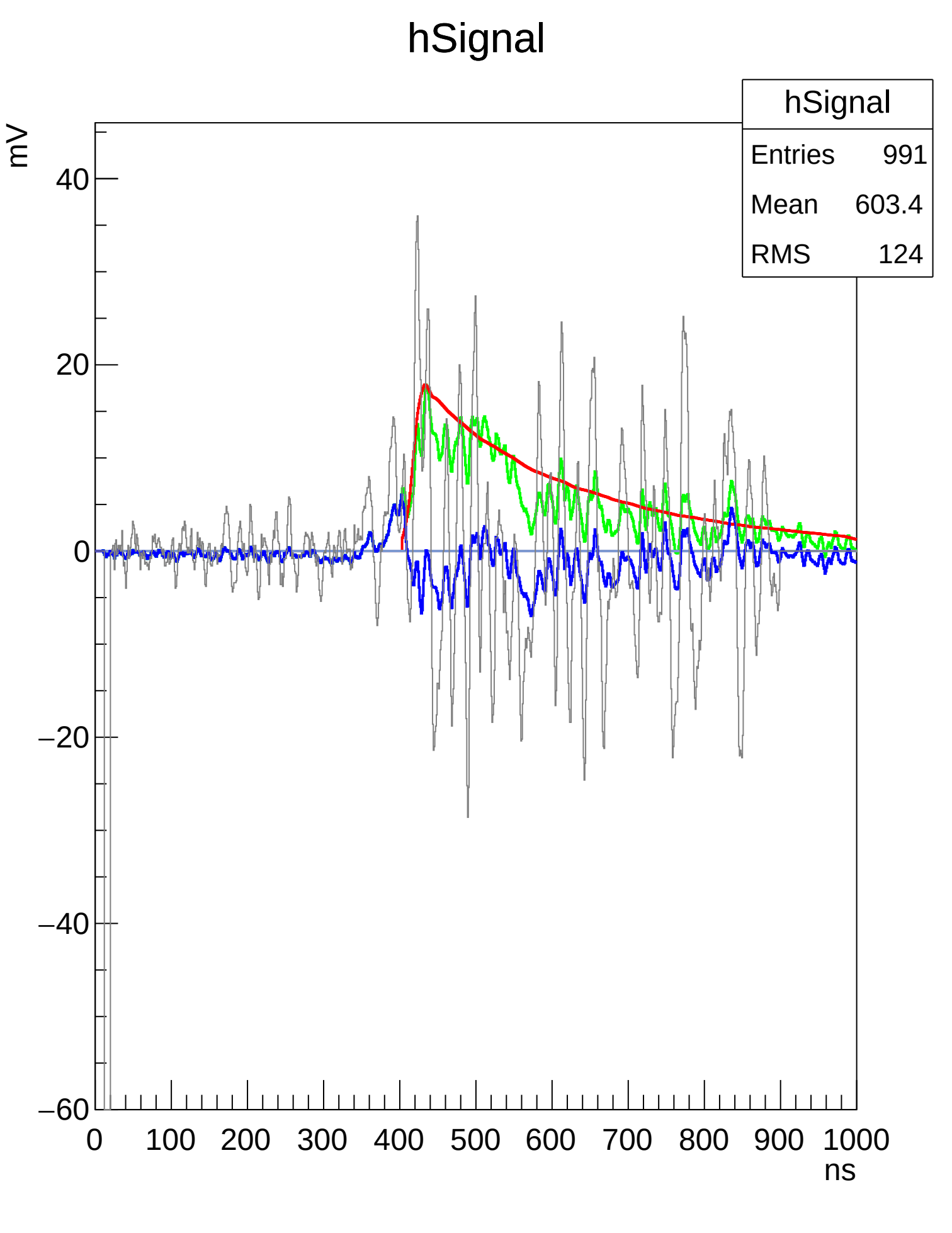
hSignal
hSignal
Entries 991
Mean 603.4
RMS 124
mV
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−20
−40
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0
100
200
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400
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1000
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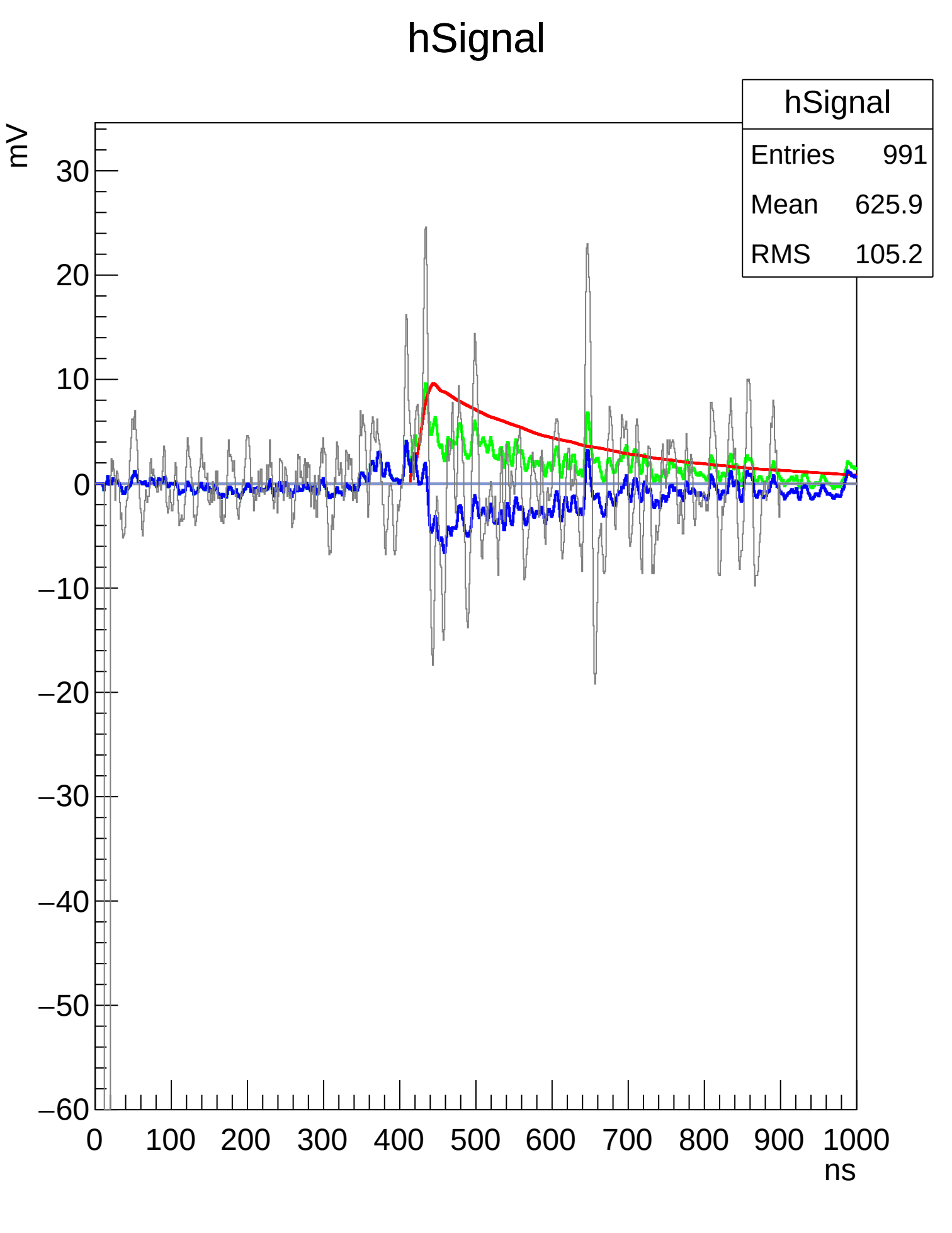
hSignal
hSignal
Entries 991
Mean 625.9
RMS 105.2
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
300
400
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600
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800
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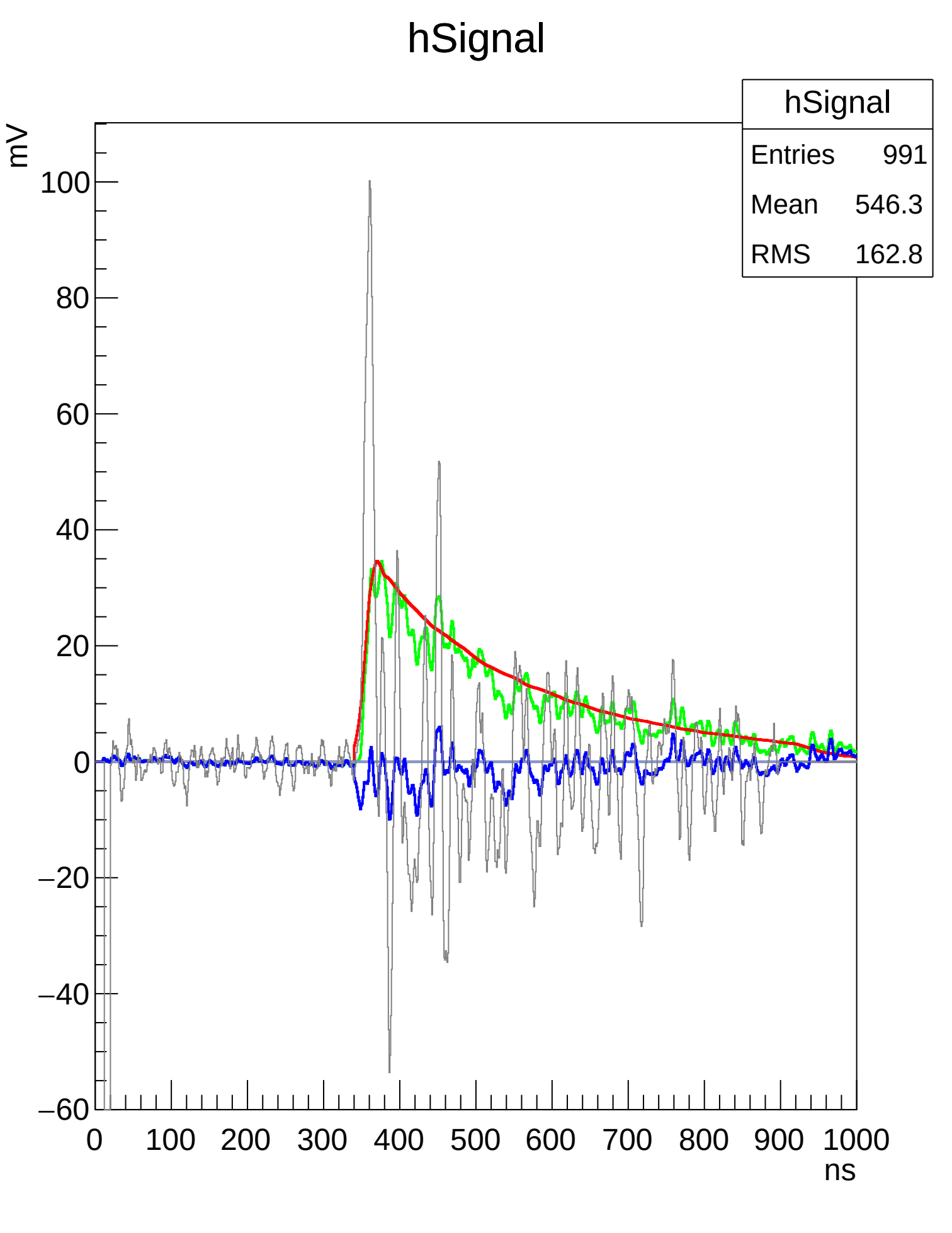
1000
ns


hSignal
hSignal
Entries 991
Mean 546.3
RMS 162.8
mV
100
80
60
40
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−40
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0
100
200
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400
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800
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1000
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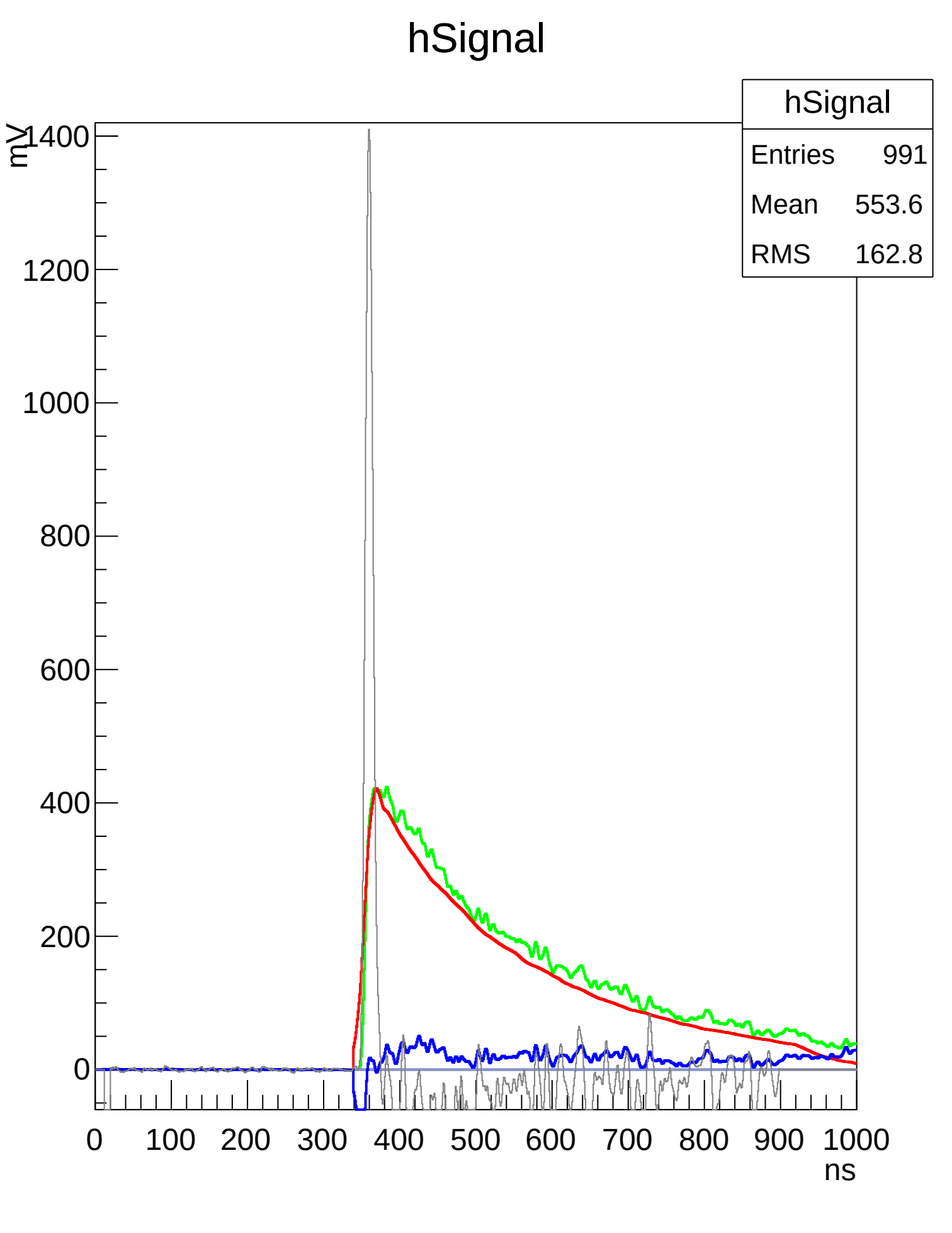
hSignal
hSignal
Entries 991
Mean 553.6
RMS 162.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
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400
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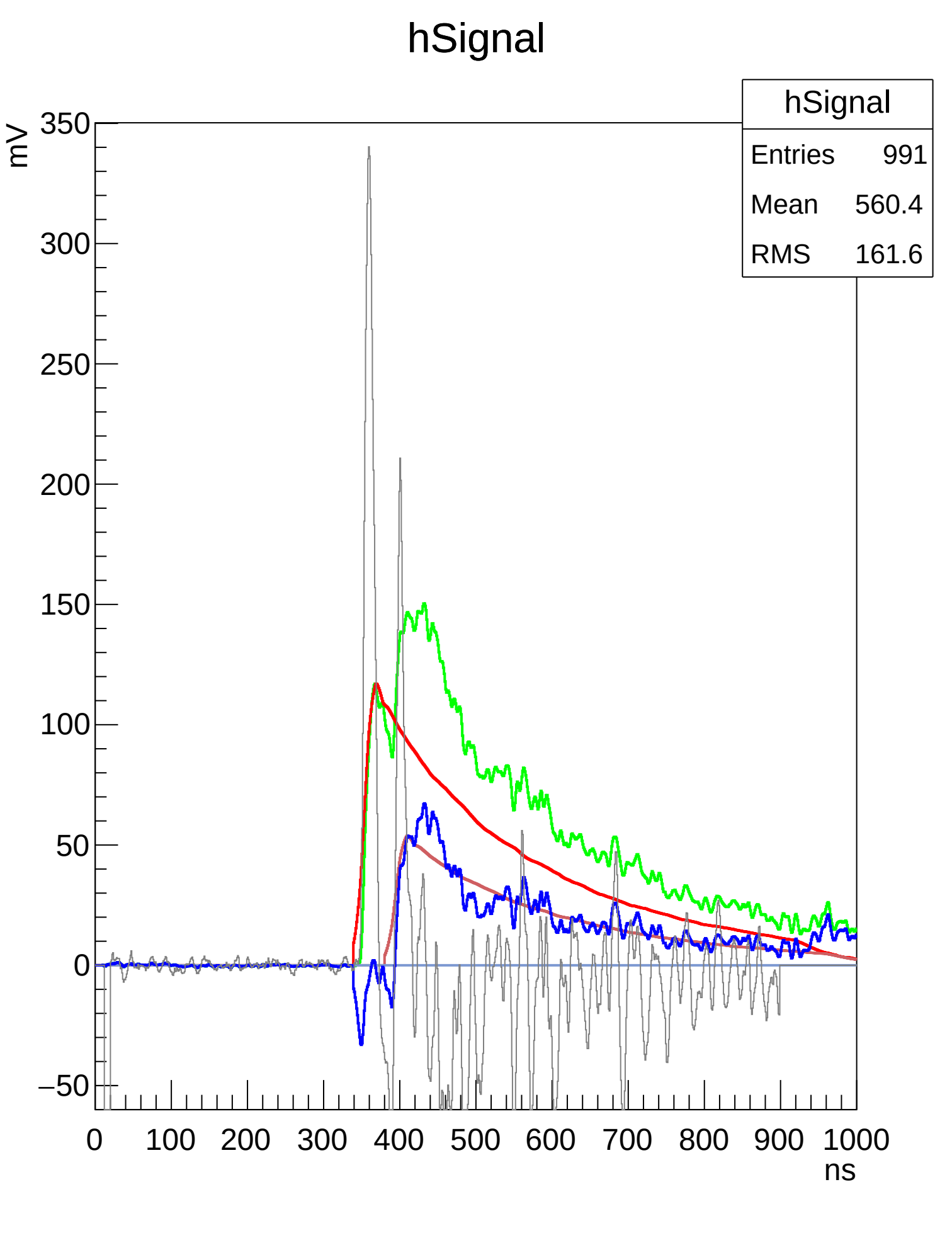
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.4
RMS 161.6
mV
350
300
250
200
150
100
50
0
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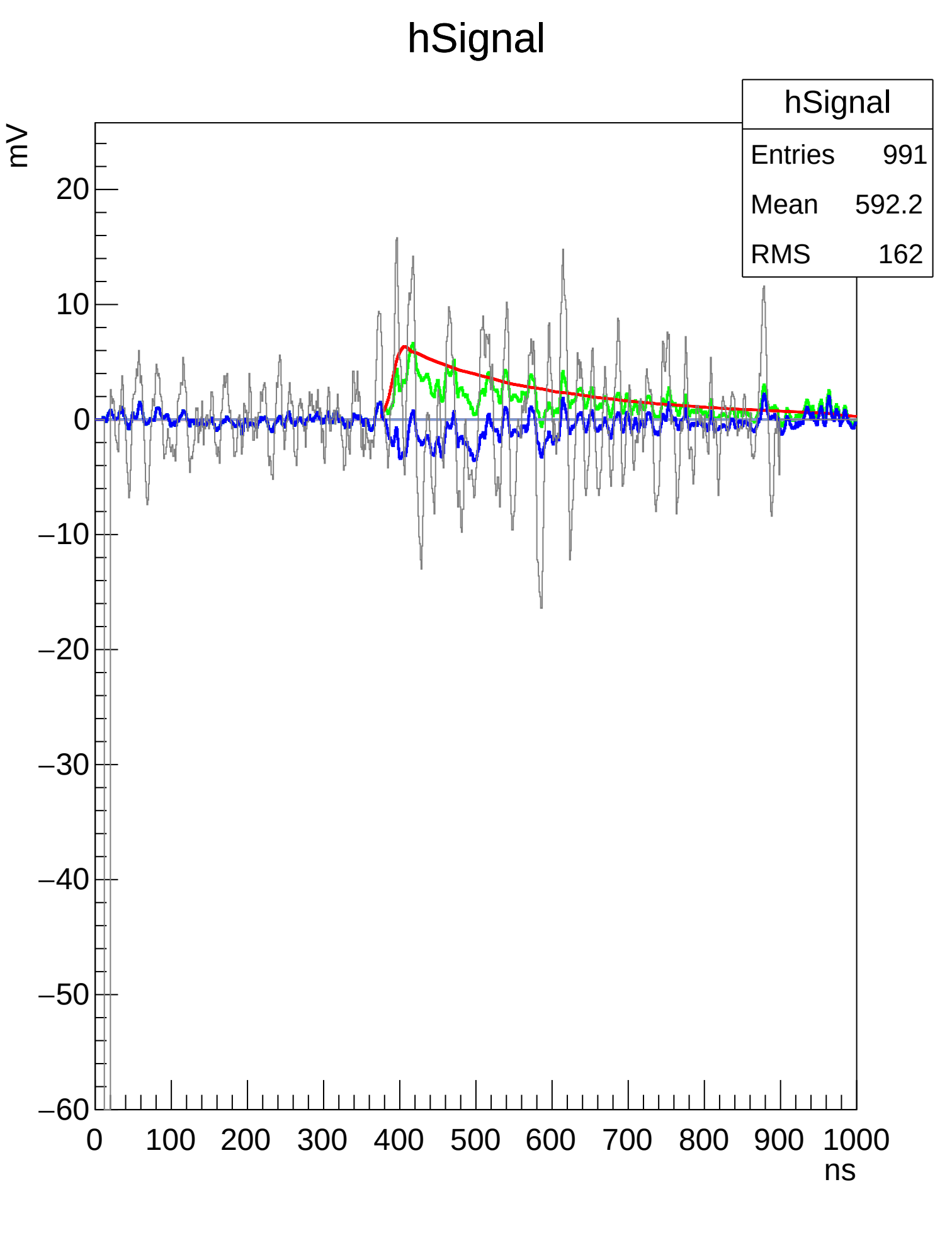
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.2
RMS 162
mV
20
10
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−10
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−40
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0
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400
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800
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1000
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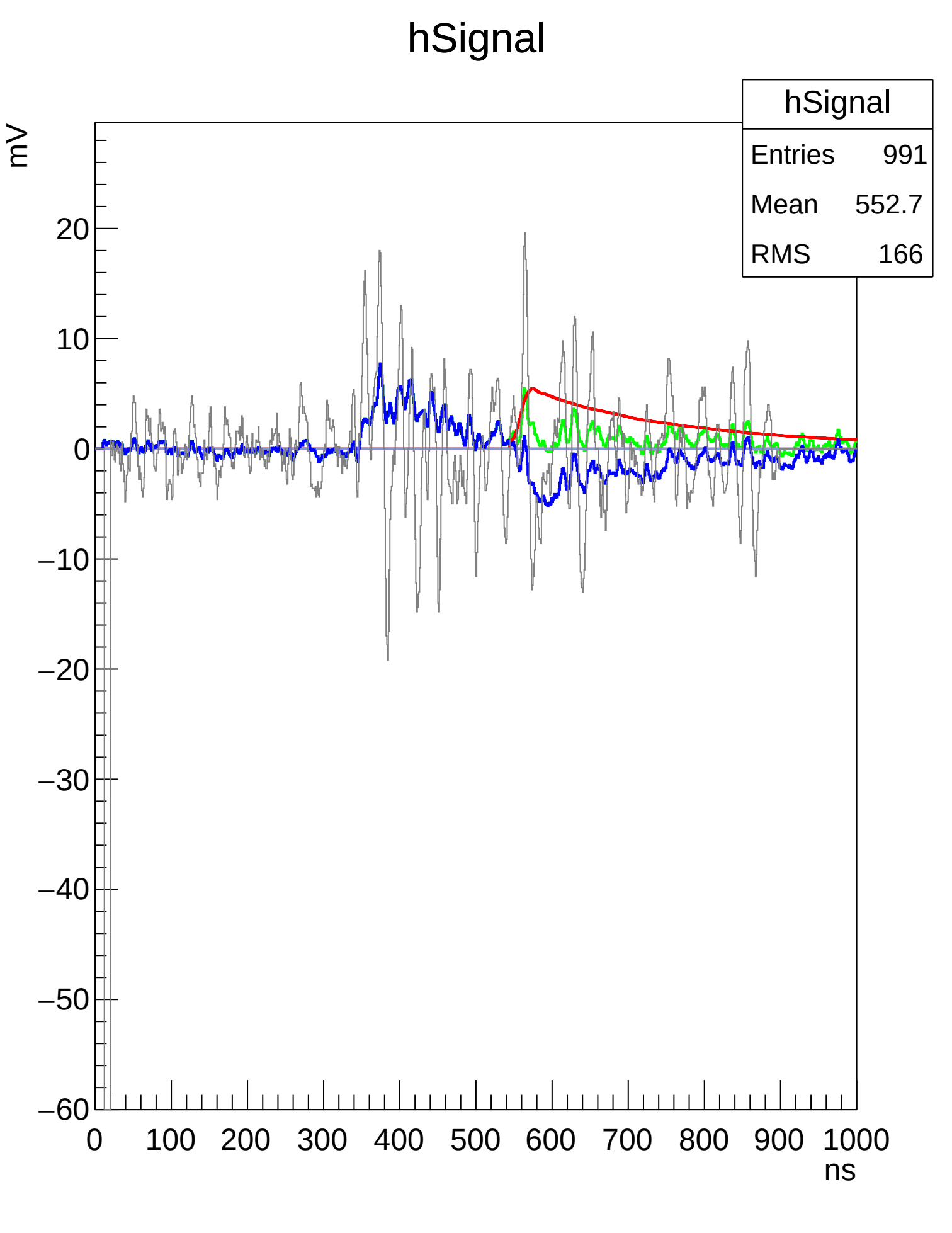
hSignal
hSignal
Entries 991
Mean 552.7
RMS 166
mV
20
10
0
−10
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0
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300
400
500
600
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800
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1000
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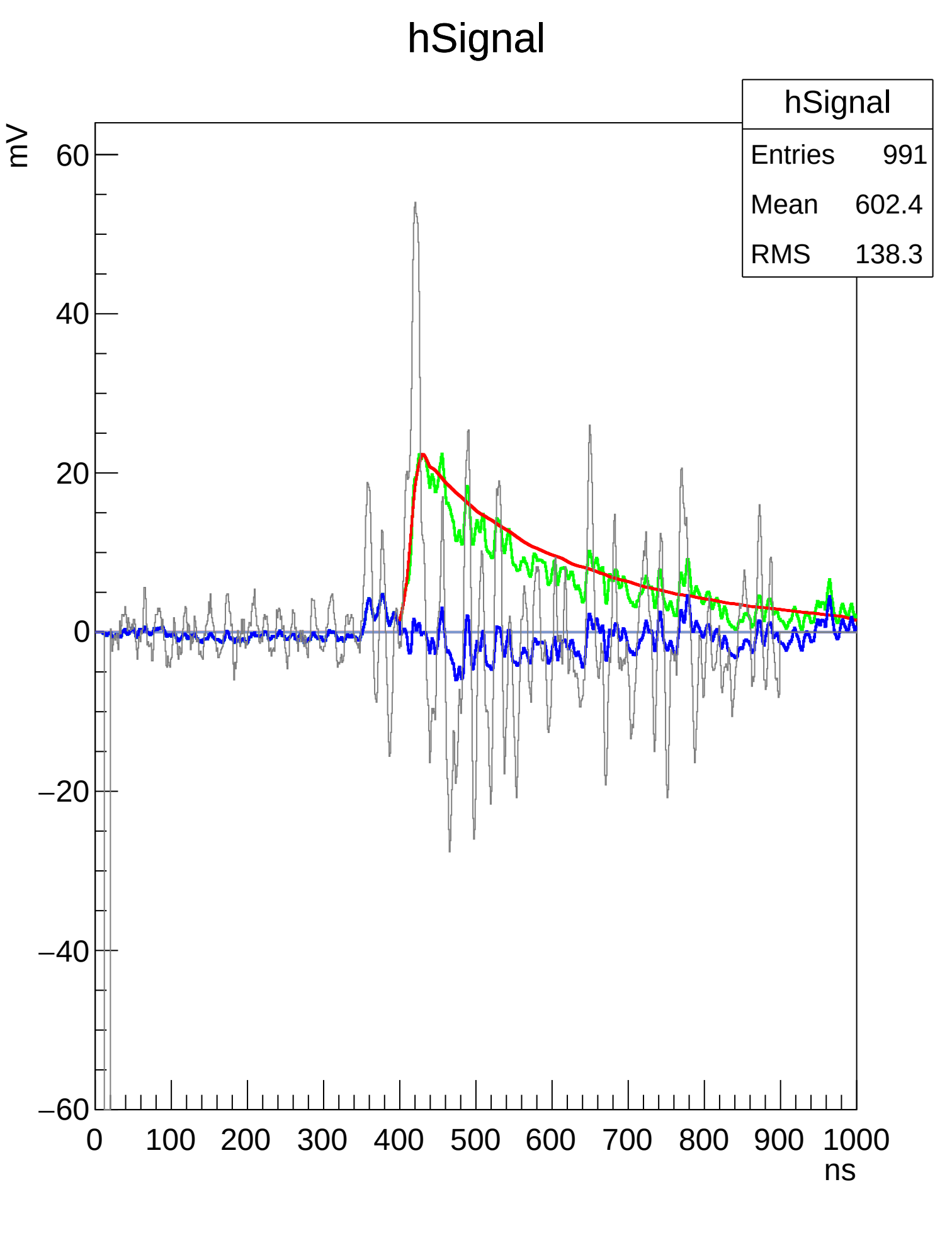
hSignal
hSignal
Entries 991
Mean 602.4
RMS 138.3
mV
60
40
20
0
−20
−40
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0
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600
700
800
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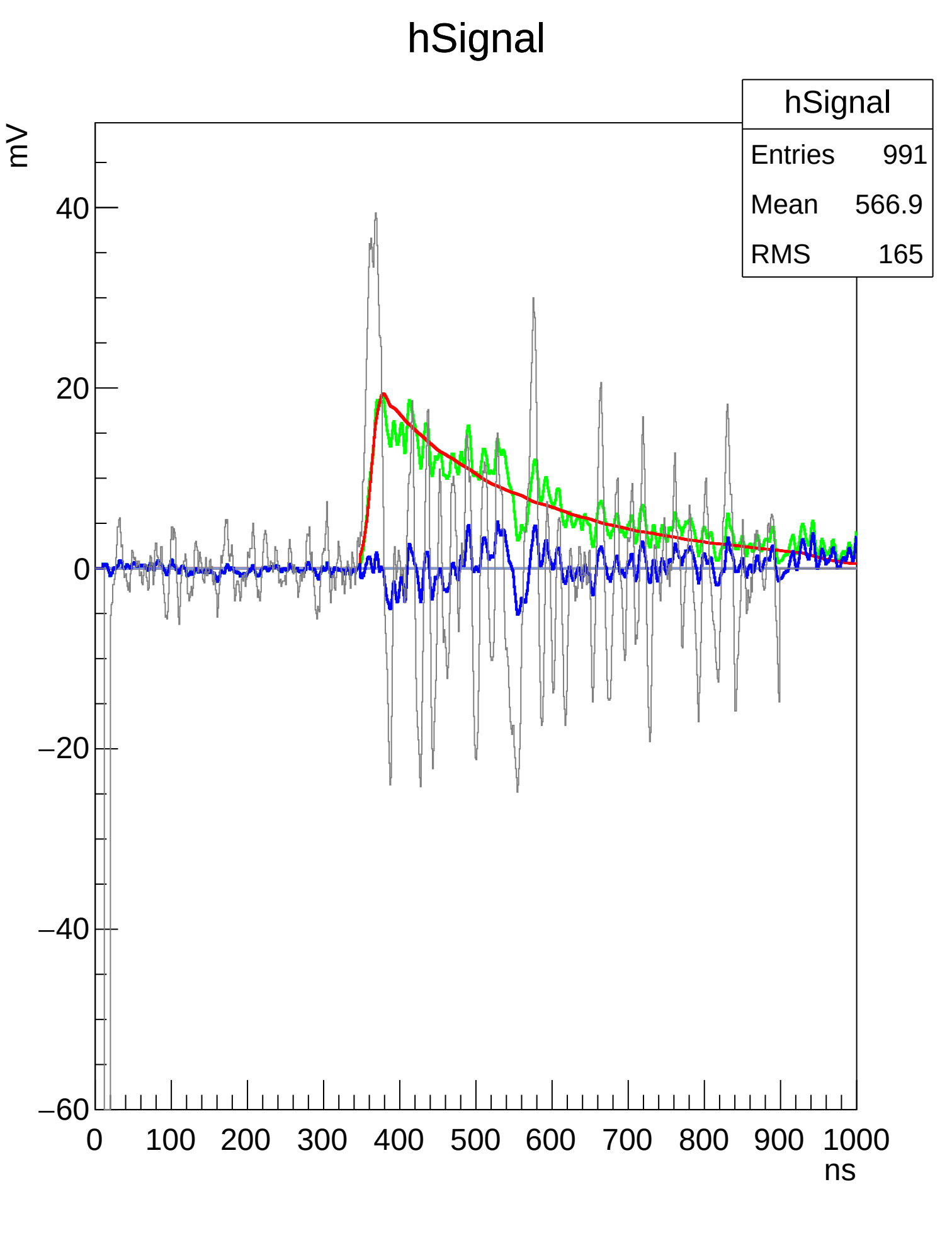
1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 165
mV
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−20
−40
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0
100
200
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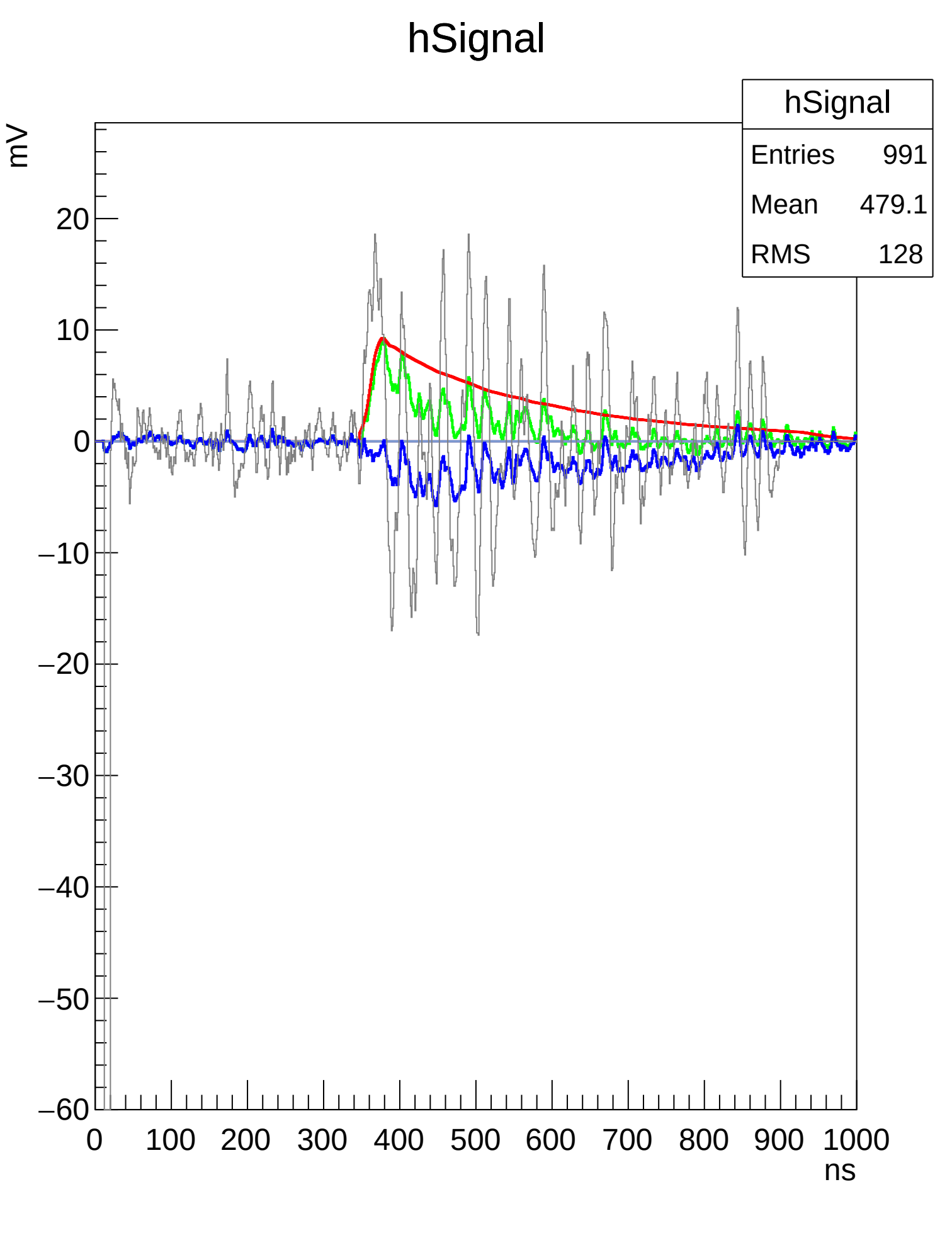
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.1
RMS 128
mV
20
10
0
−10
−20
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−40
−50
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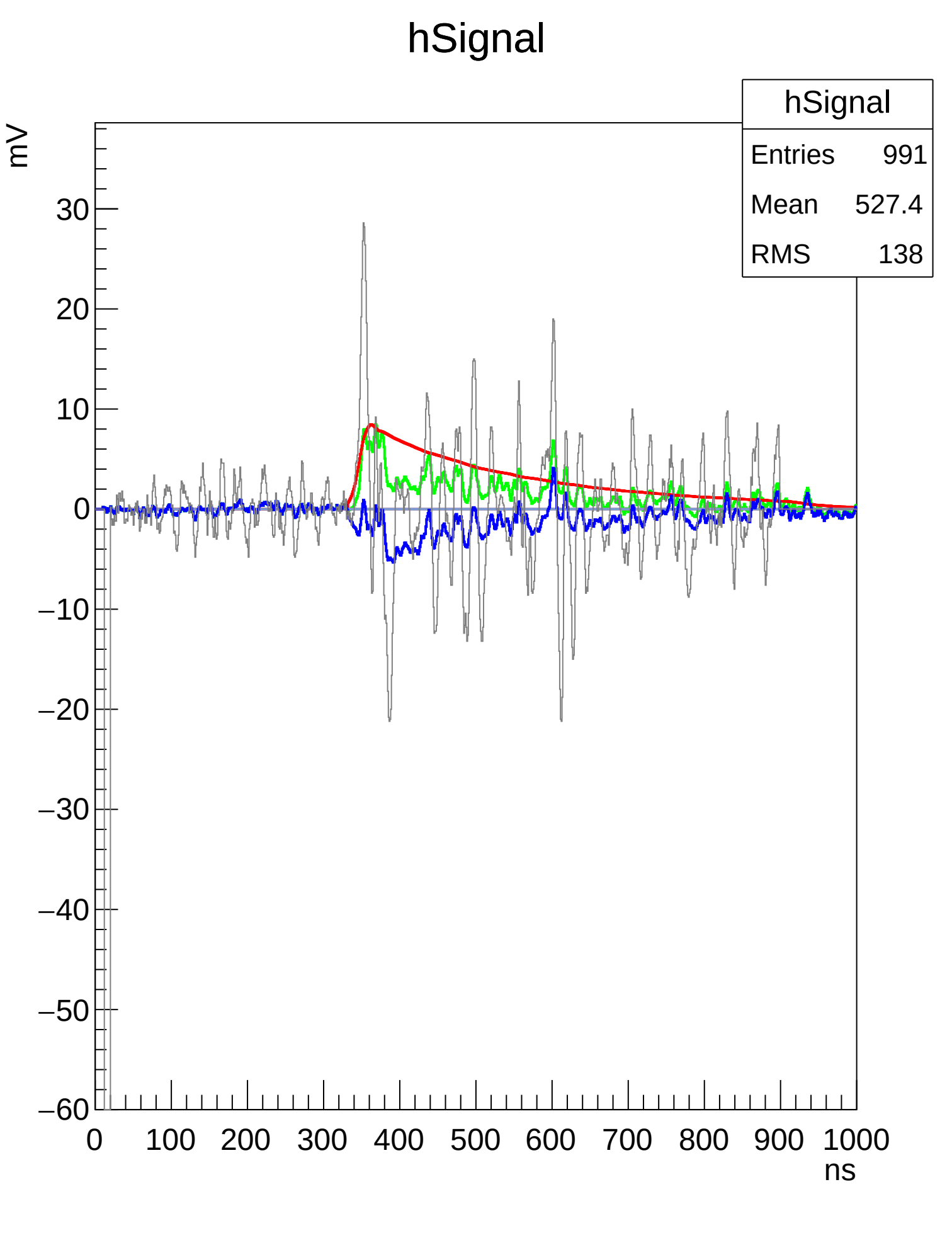
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.4
RMS 138
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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800
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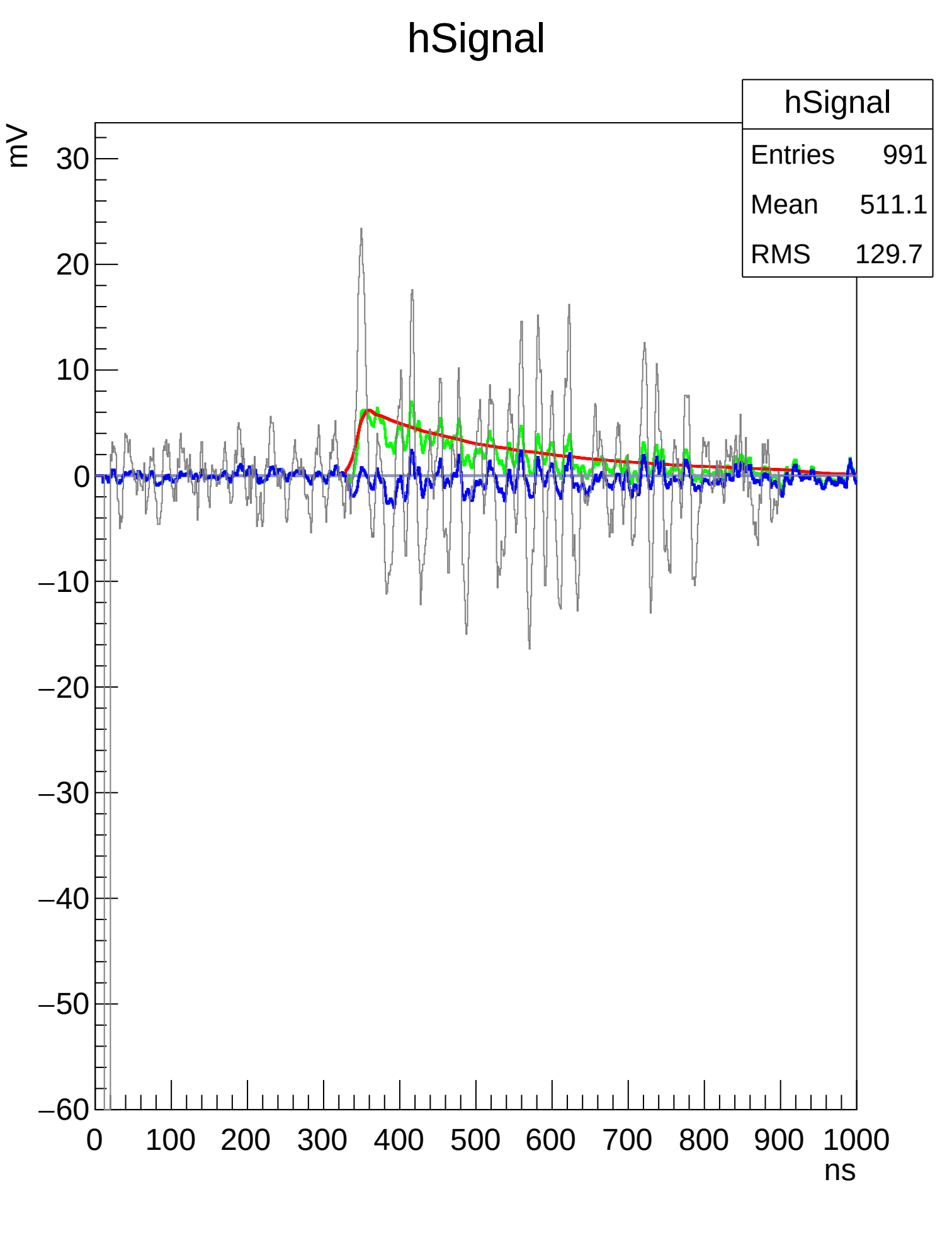
1000
ns


hSignal
hSignal
Entries 991
Mean 511.1
RMS 129.7
mV
30
20
10
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1000
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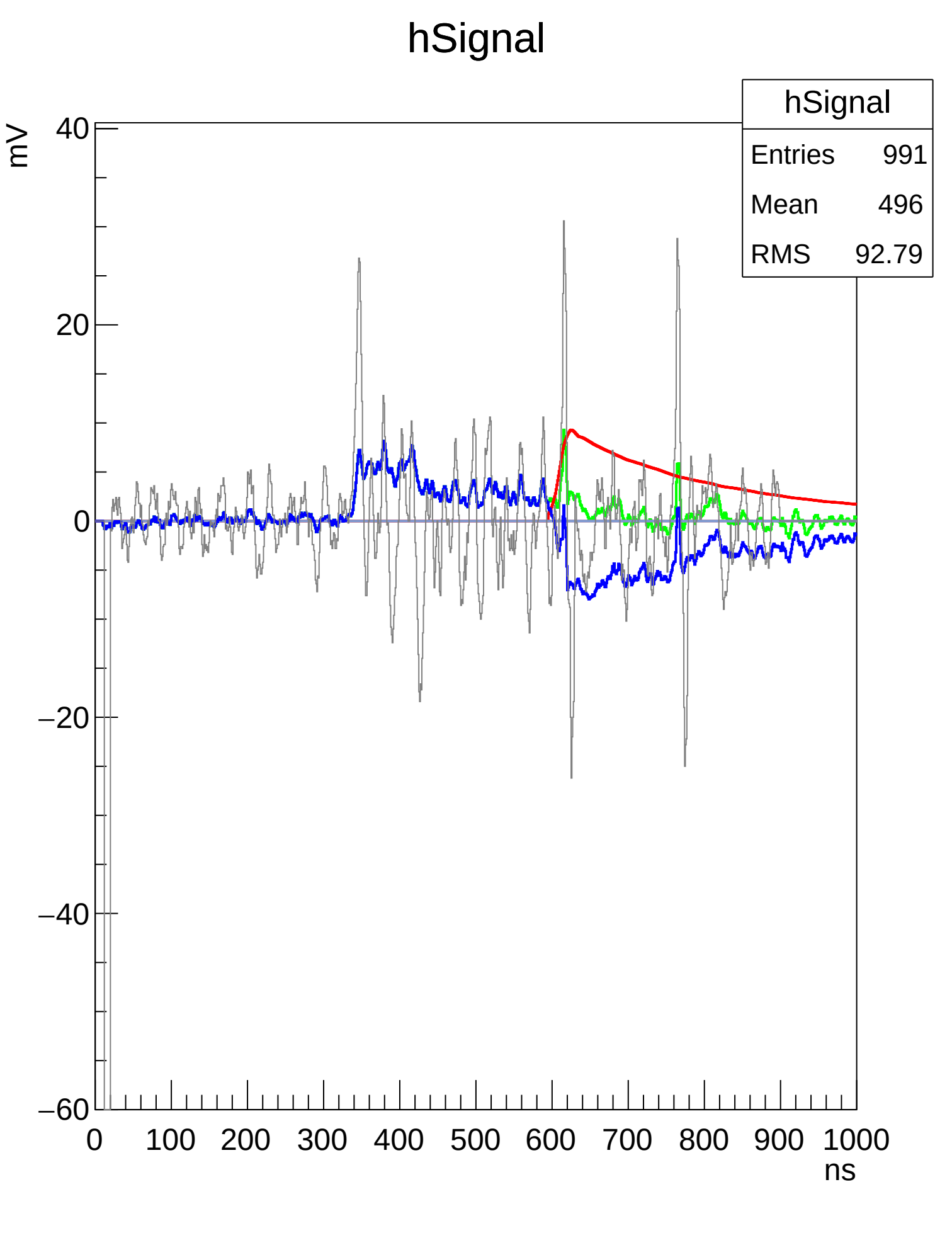
hSignal
hSignal
Entries 991
Mean 496
RMS 92.79
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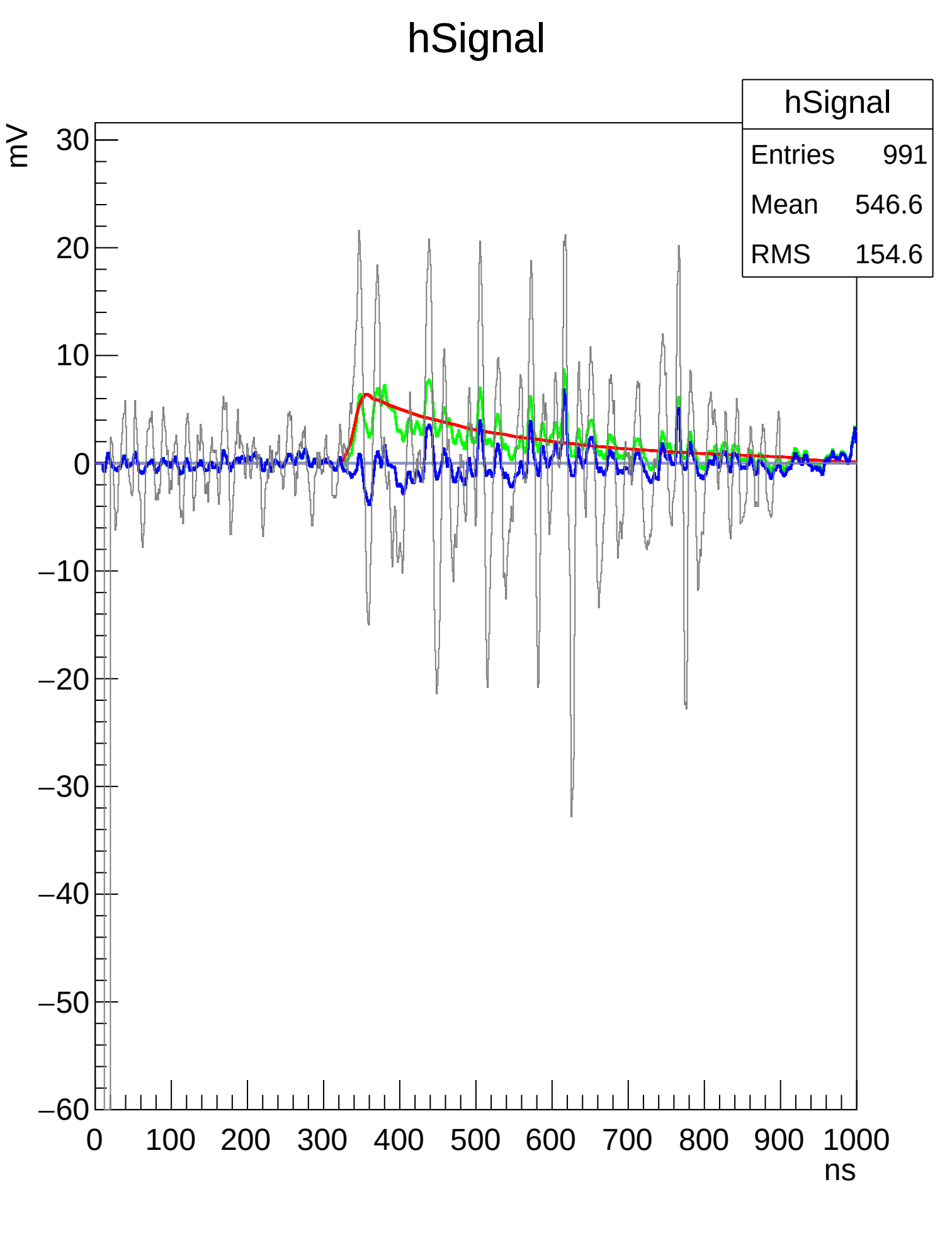
1000
ns


hSignal
hSignal
Entries 991
Mean 546.6
RMS 154.6
mV
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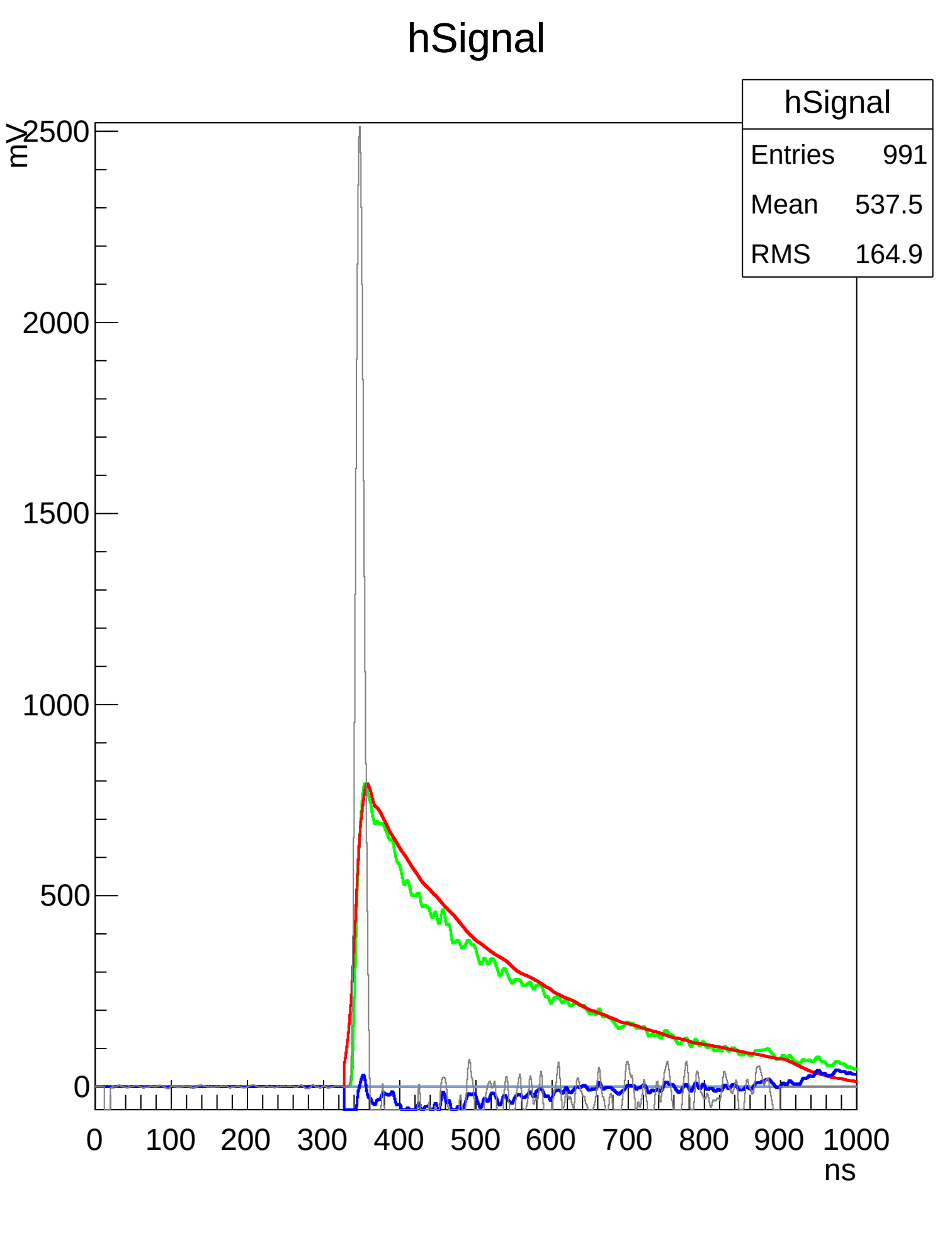
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.5
RMS 164.9
mV
2500
2000
1500
1000
500
0
0
100
200
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400
500
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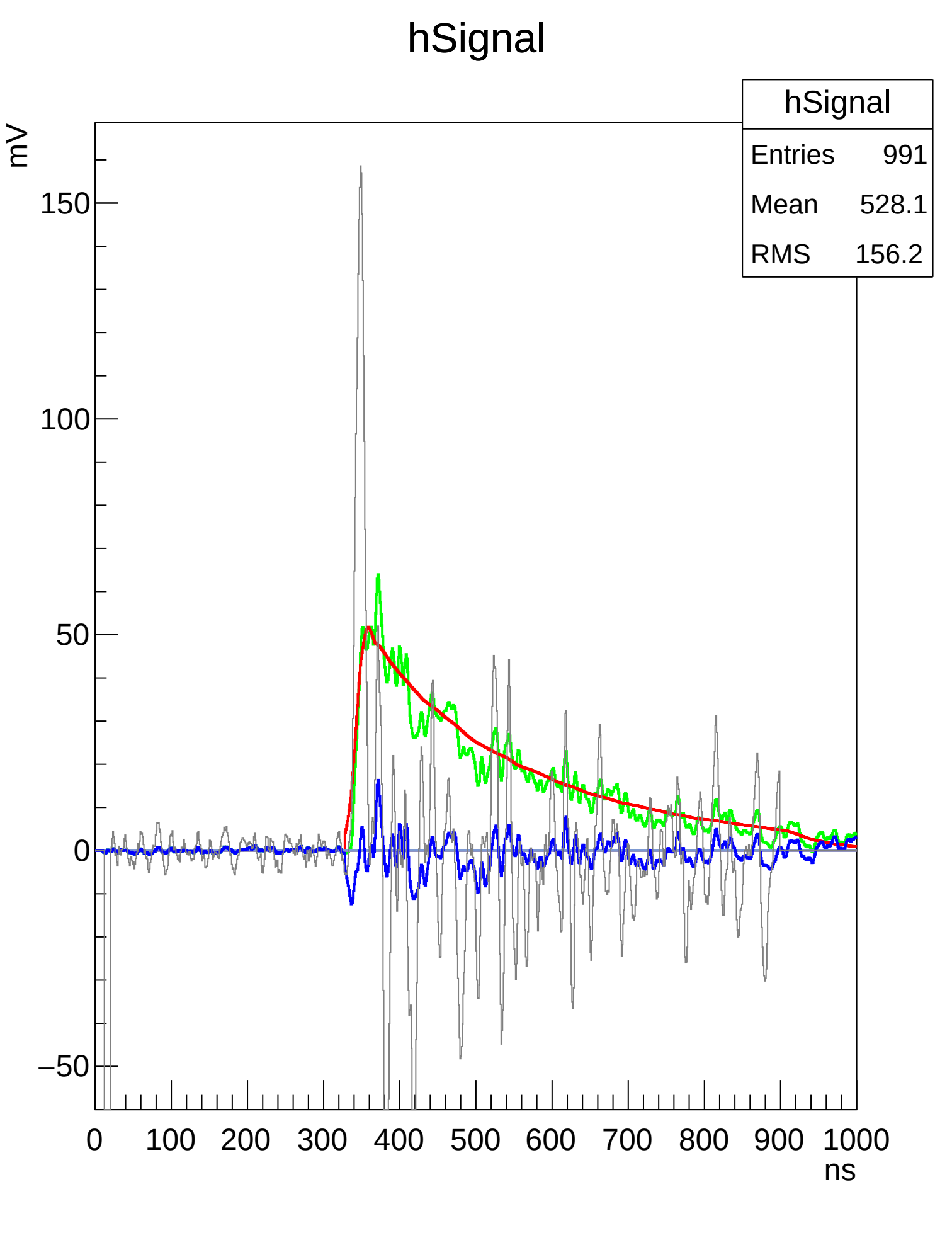
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.1
RMS 156.2
mV
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100
50
0
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0
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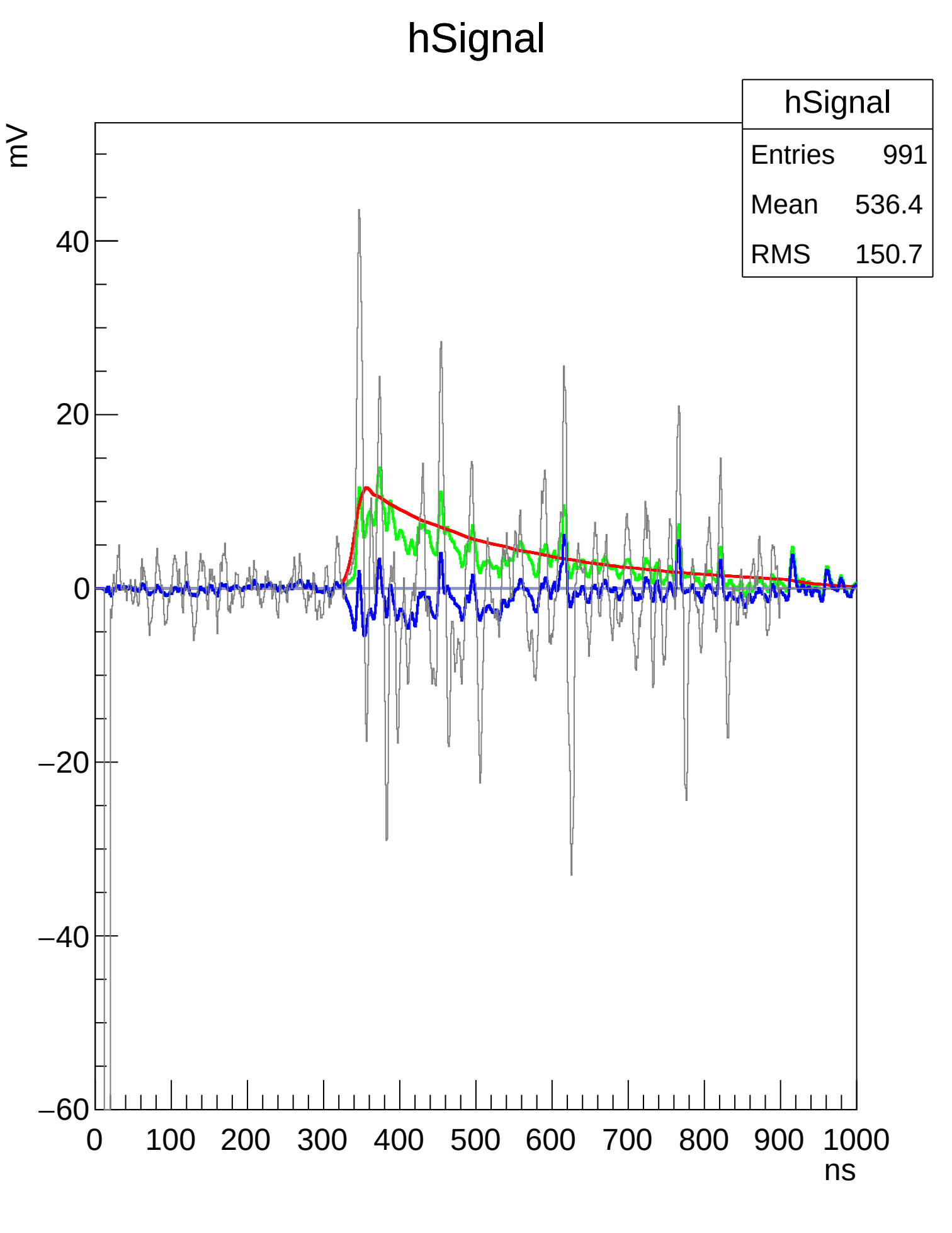
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.4
RMS 150.7
mV
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−20
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0
100
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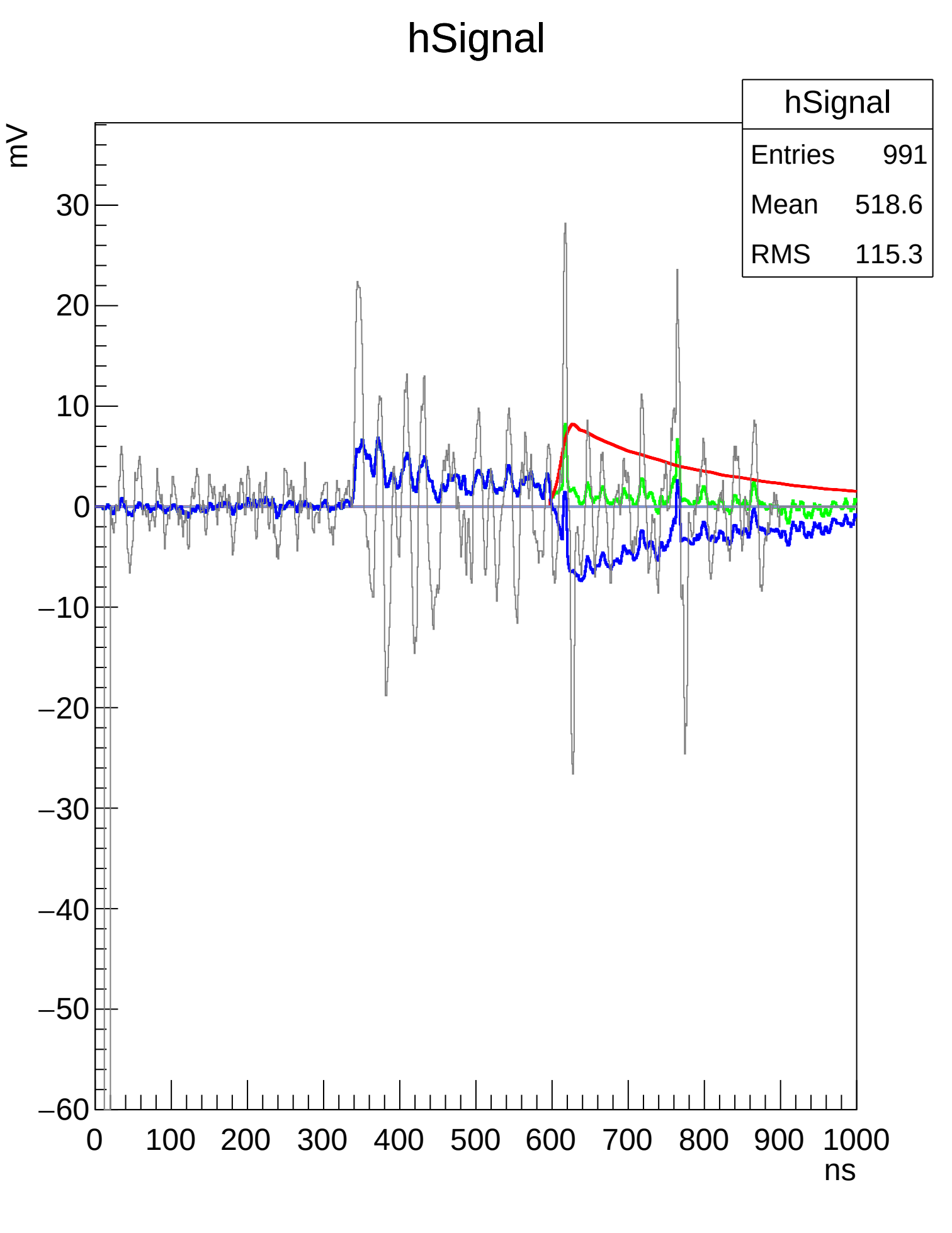
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.6
RMS 115.3
mV
30
20
10
0
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−50
−60
0
100
200
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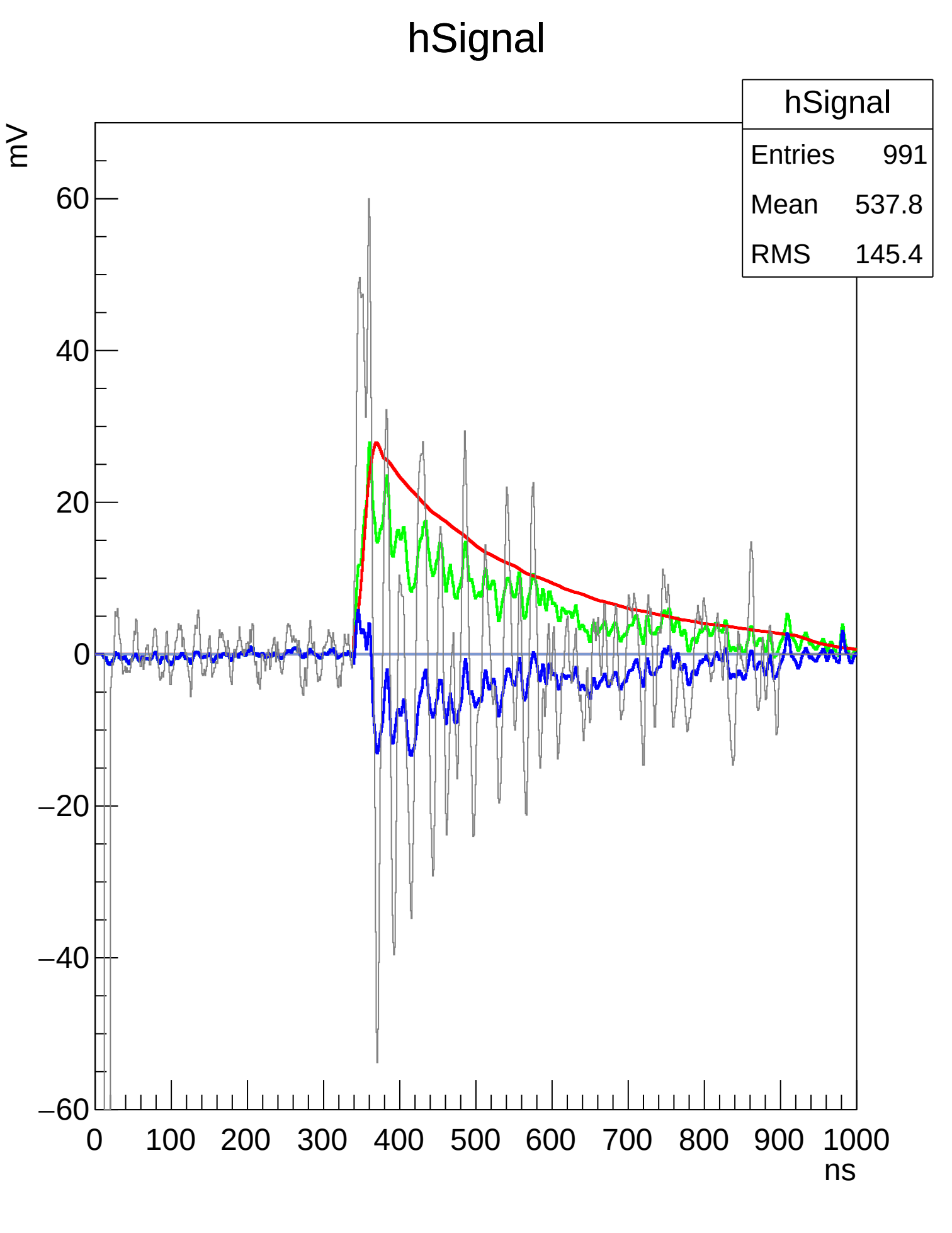
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.8
RMS 145.4
mV
60
40
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−20
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0
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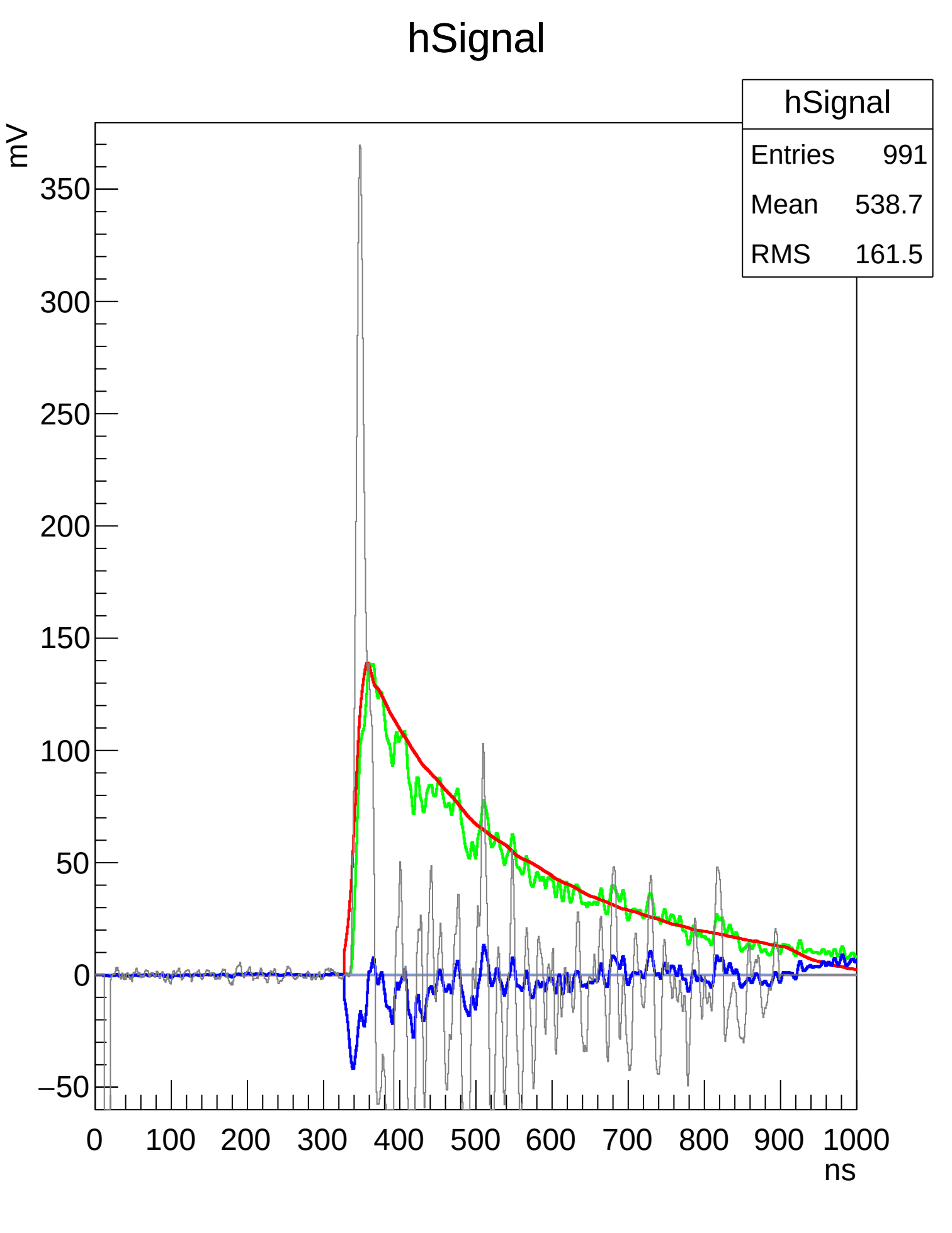
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.7
RMS 161.5
mV
350
300
250
200
150
100
50
0
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200
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400
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700
800
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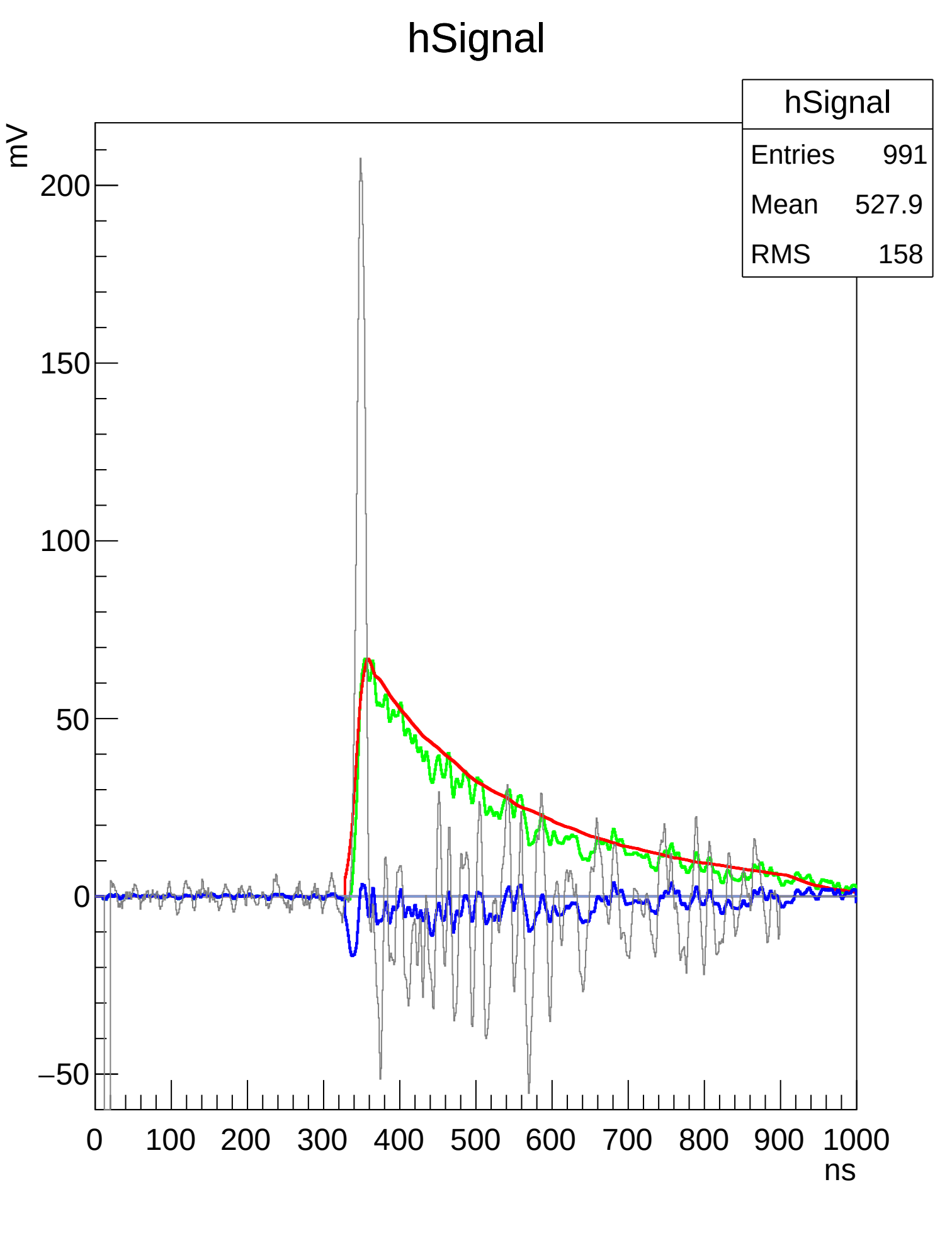
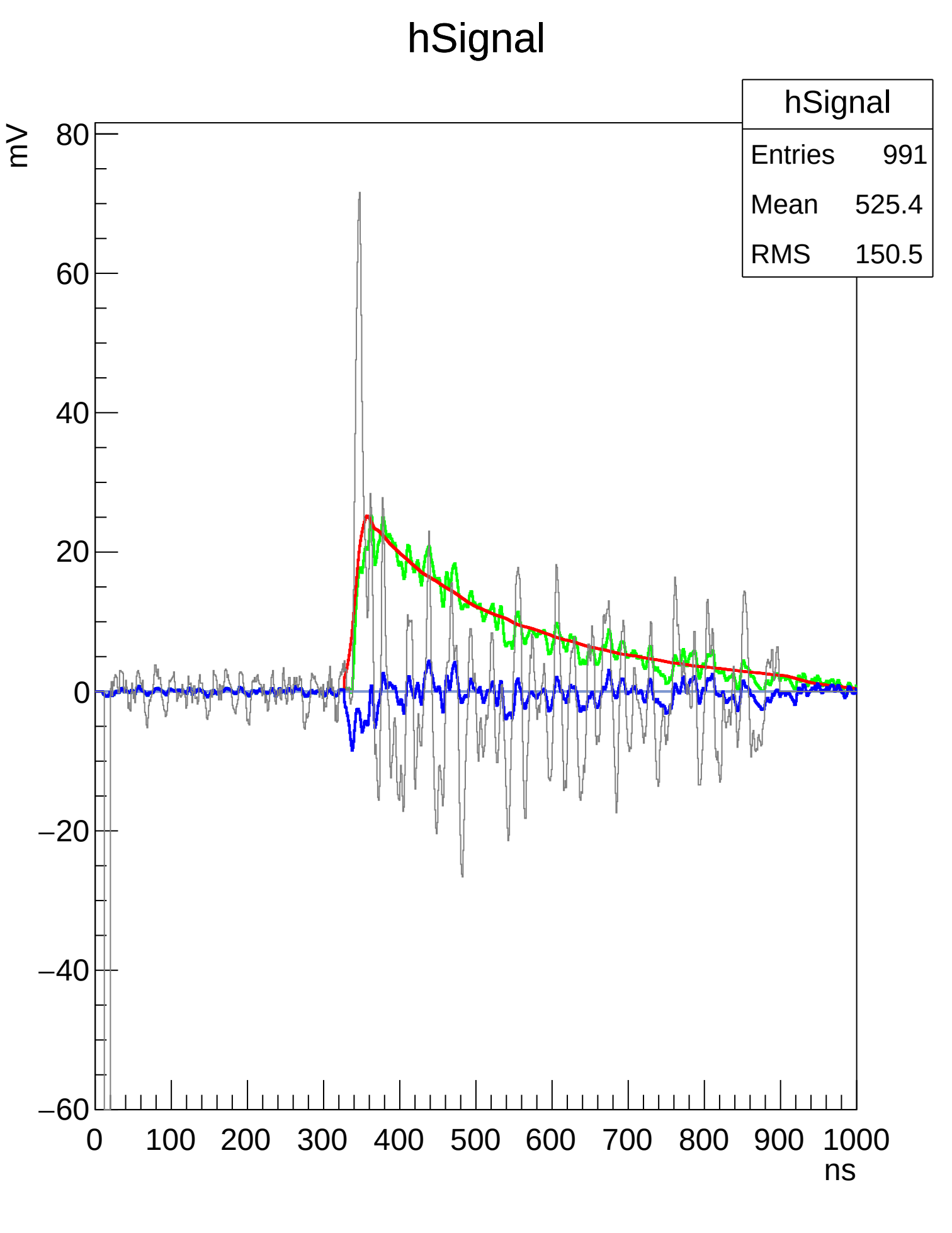
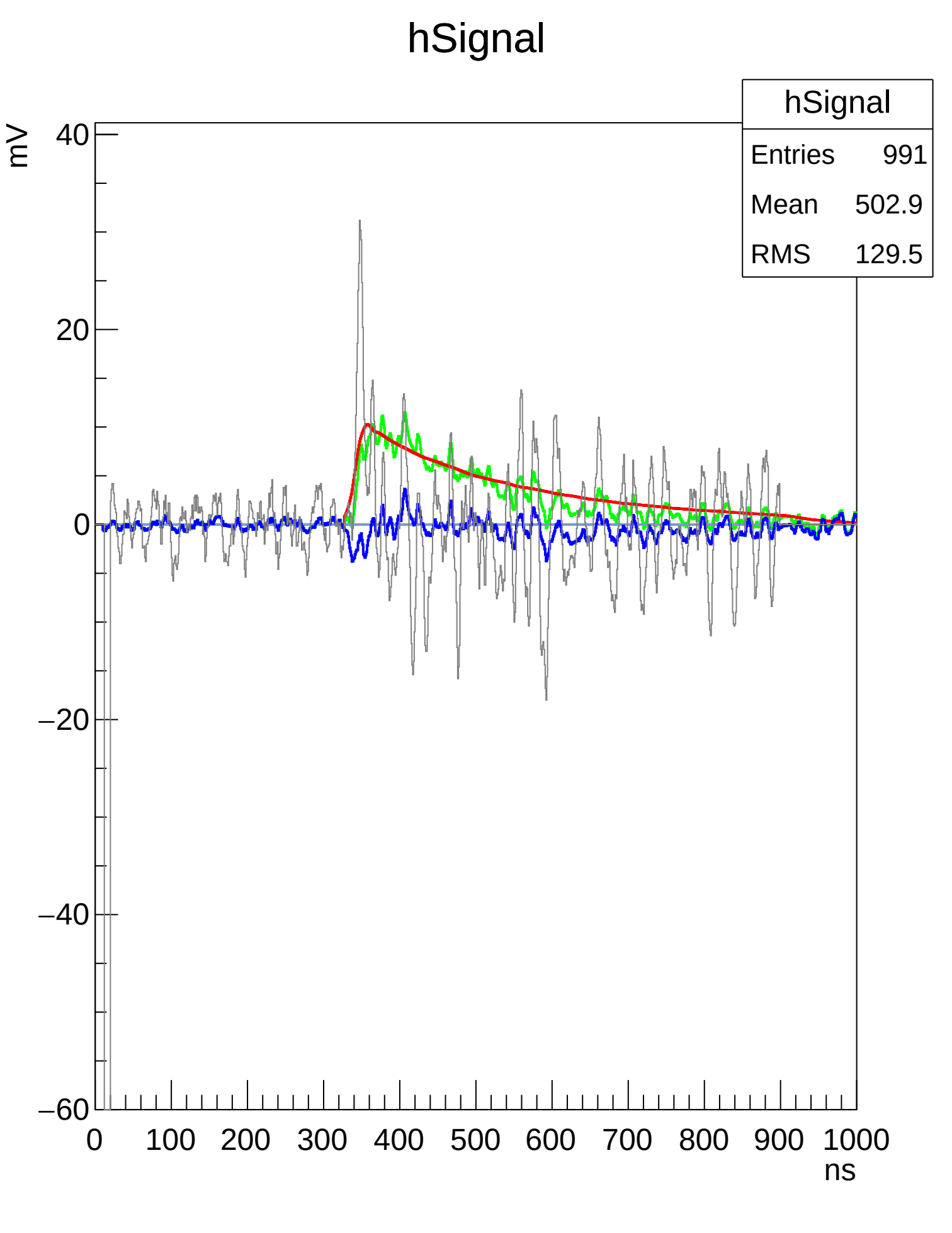
1000
ns


hSignal
hSignal
Entries 991
Mean 527.9
RMS 158
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.4
RMS 150.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.9
RMS 129.5
mV
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−20
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100
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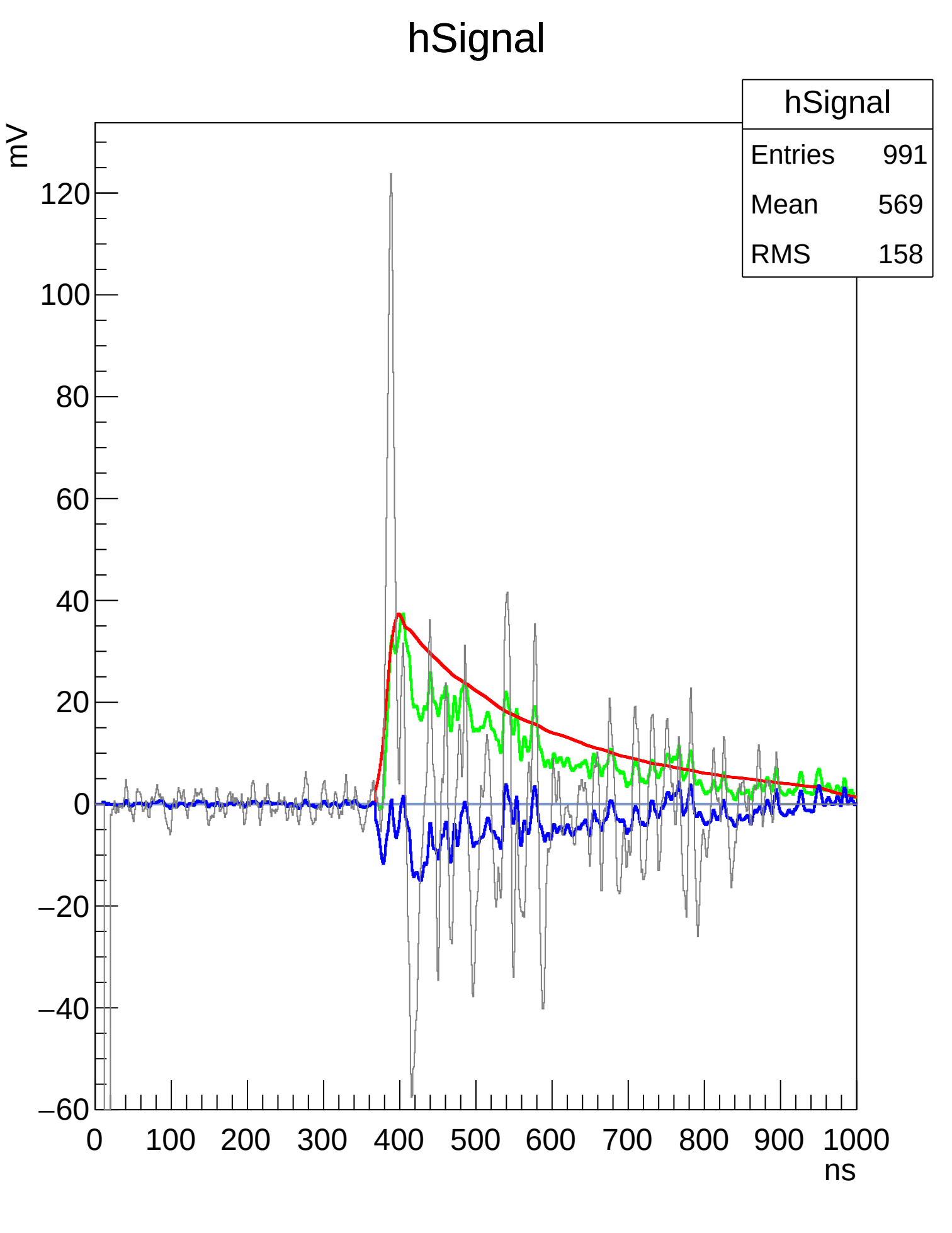
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569
RMS 158
mV
120
100
80
60
40
20
0
−20
−40
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0
100
200
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400
500
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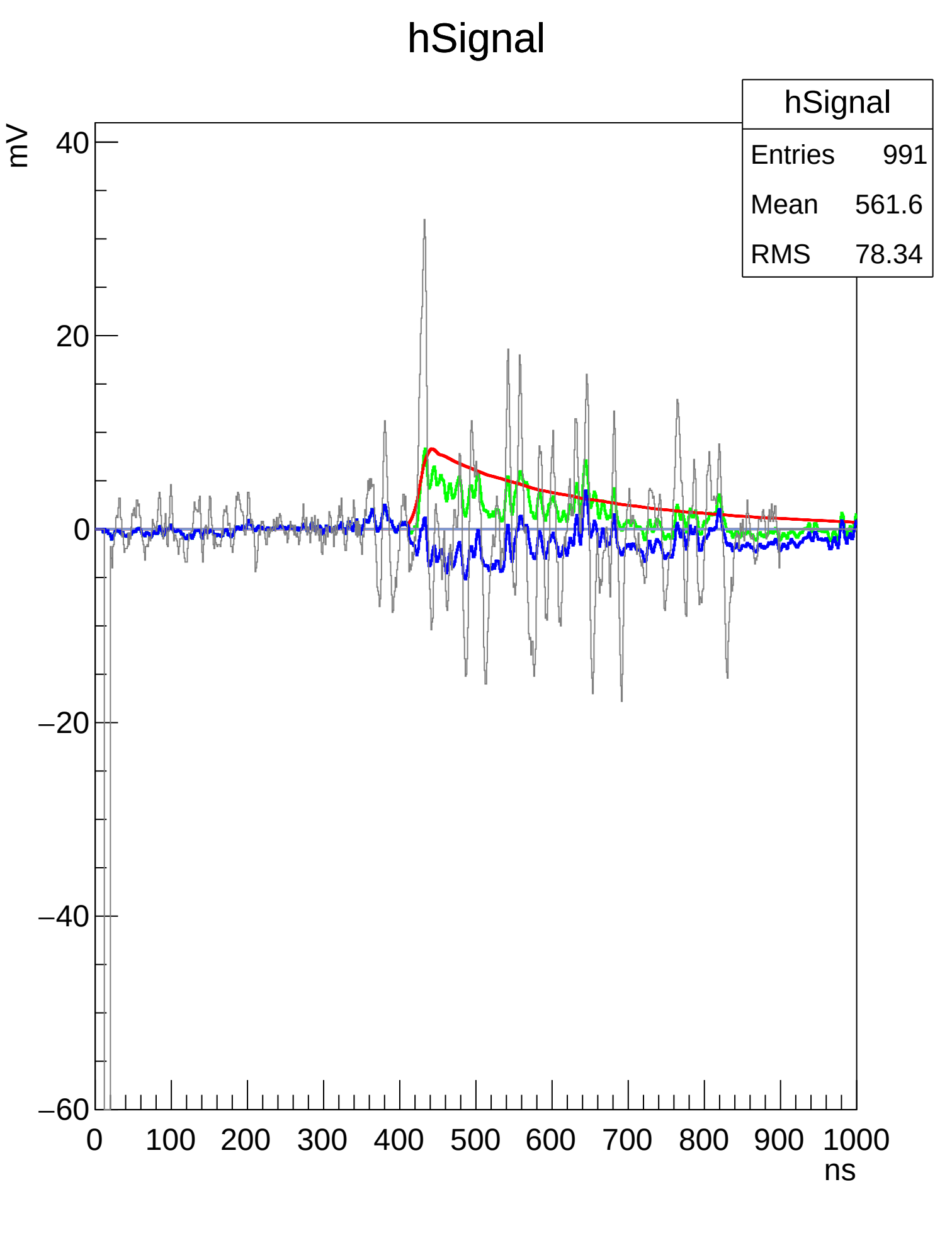
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.6
RMS 78.34
mV
40
20
0
−20
−40
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0
100
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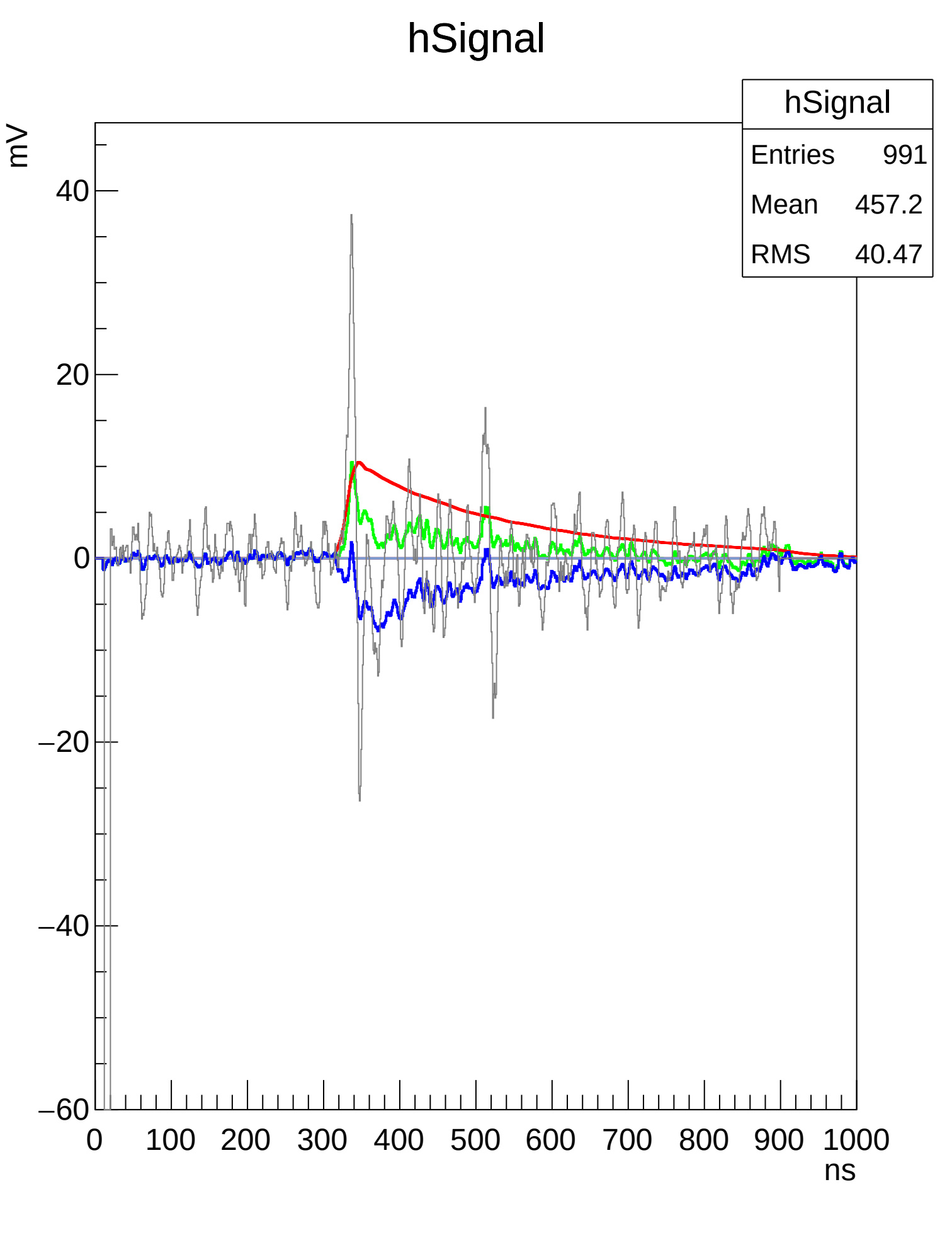
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 457.2
RMS 40.47
mV
40
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−20
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0
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600
700
800
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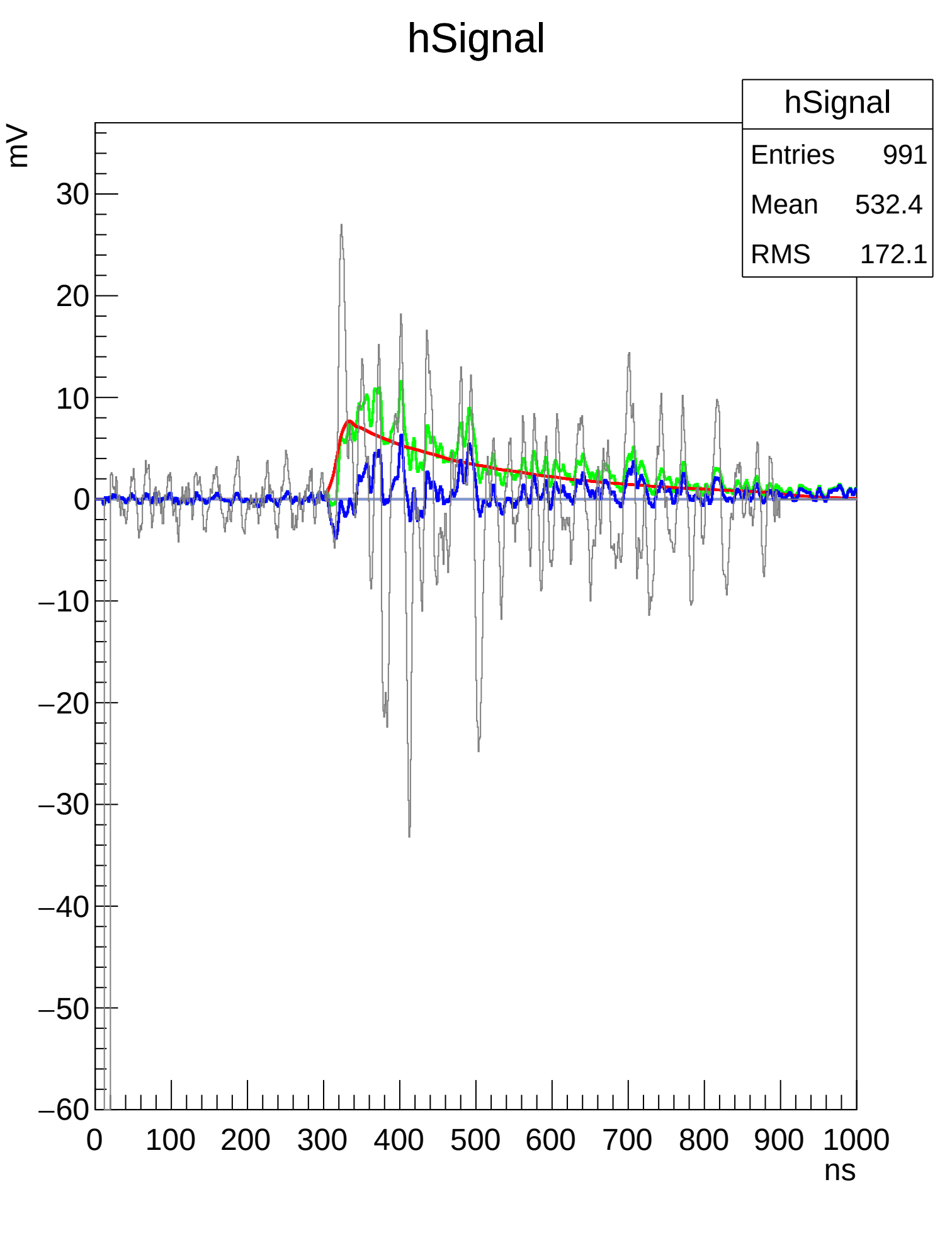
1000
ns


hSignal
hSignal
Entries 991
Mean 532.4
RMS 172.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
500
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800
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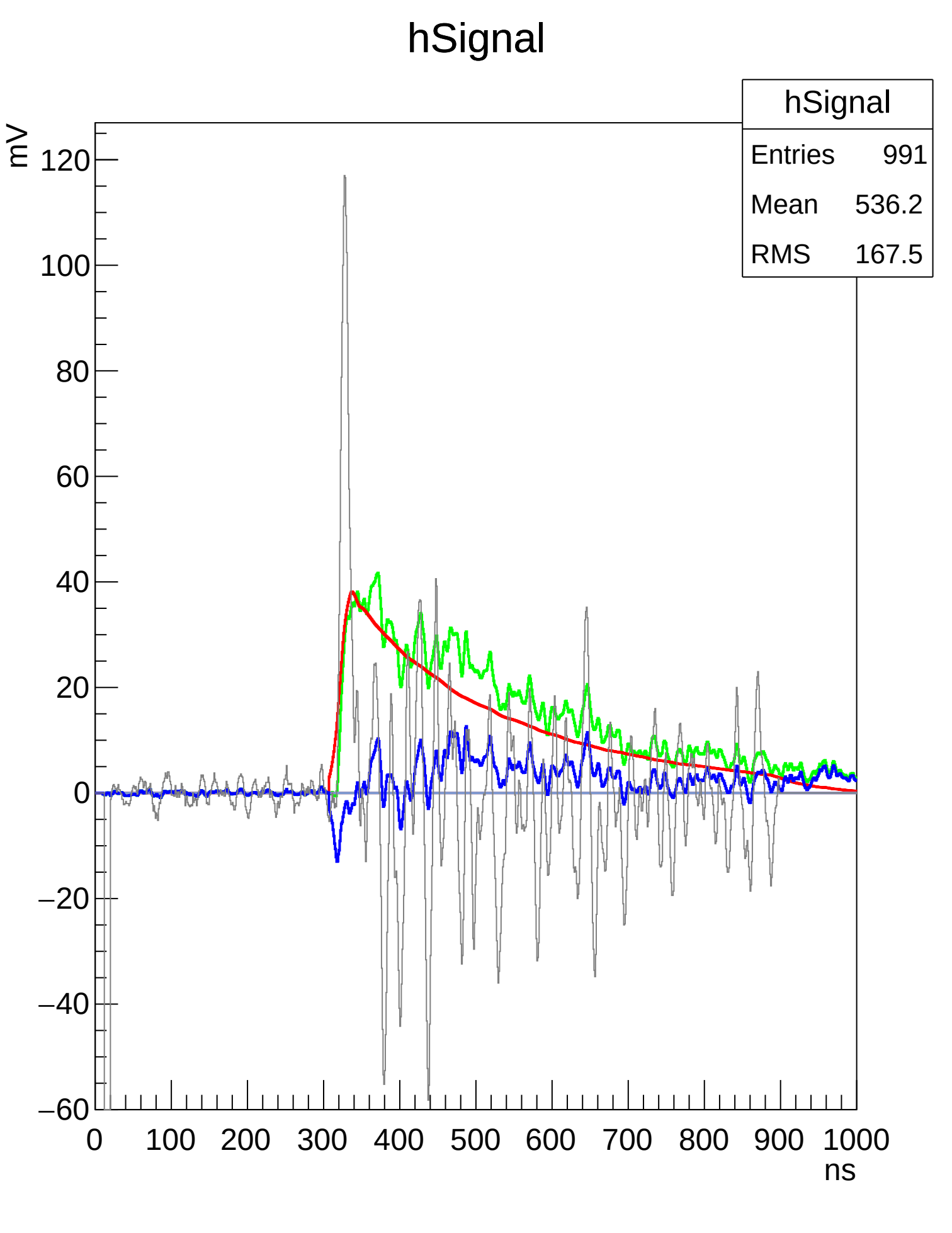
1000
ns


hSignal
hSignal
Entries 991
Mean 536.2
RMS 167.5
mV
120
100
80
60
40
20
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−20
−40
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0
100
200
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400
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600
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800
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1000
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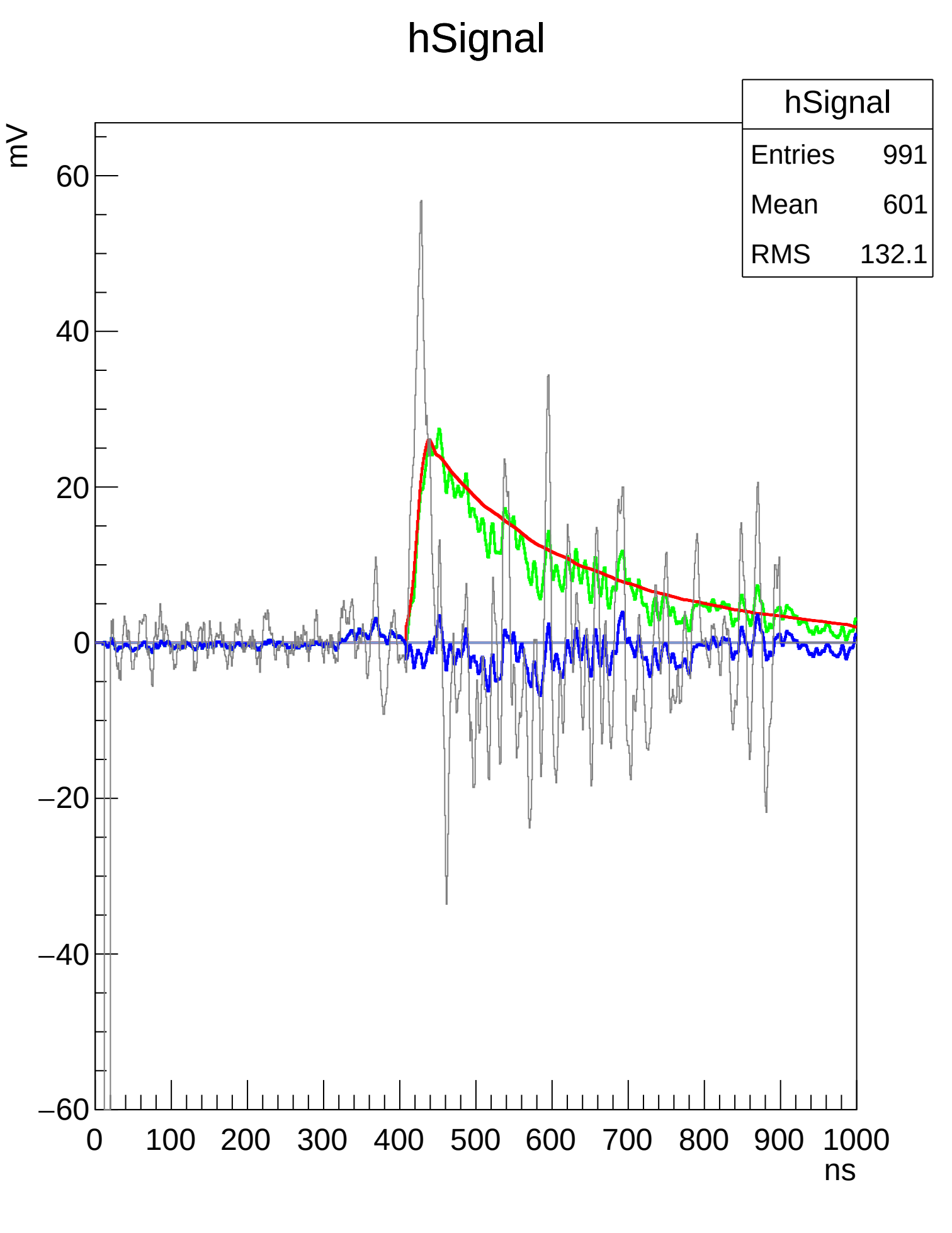
hSignal
hSignal
Entries 991
Mean 601
RMS 132.1
mV
60
40
20
0
−20
−40
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0
100
200
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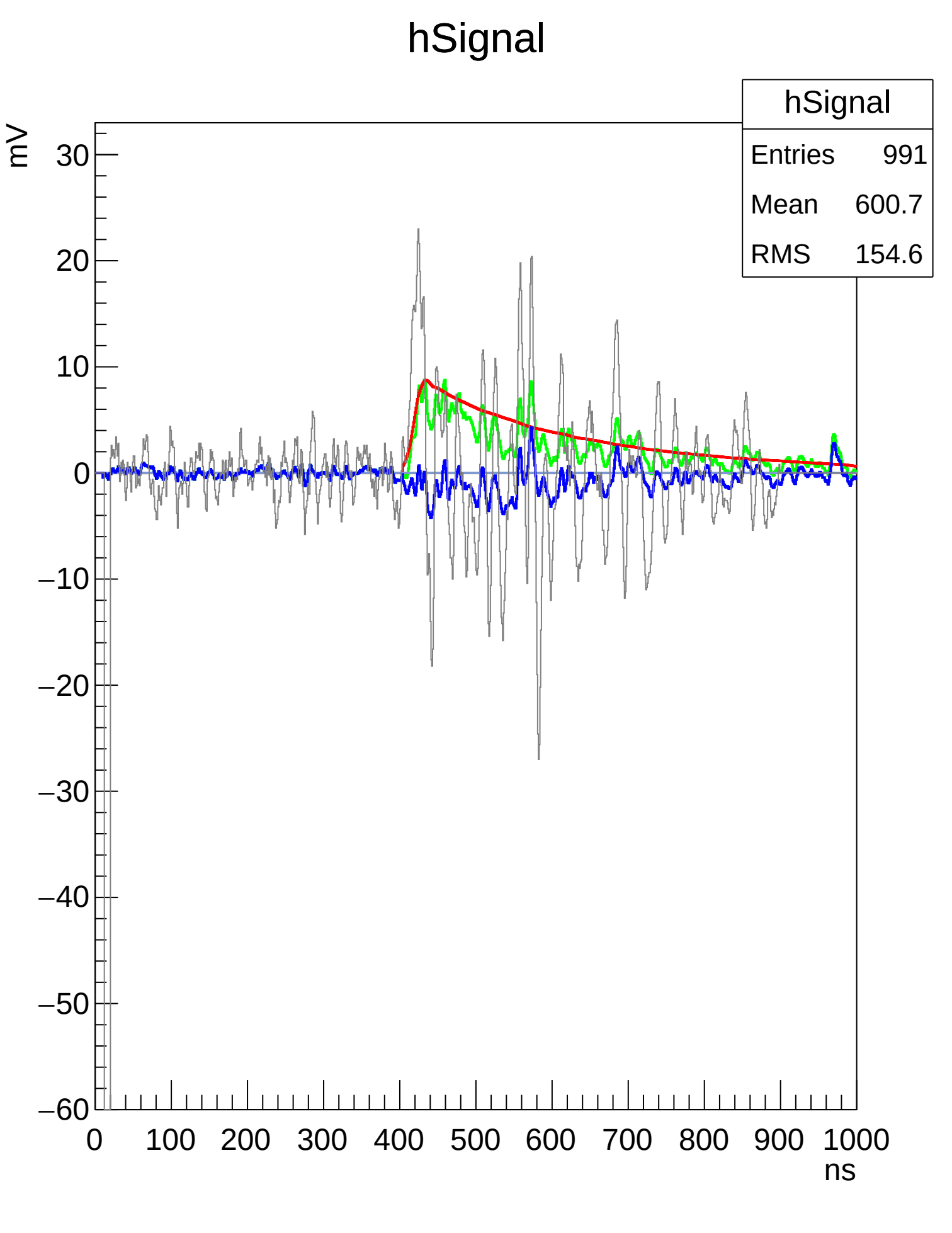
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 154.6
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
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400
500
600
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800
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1000
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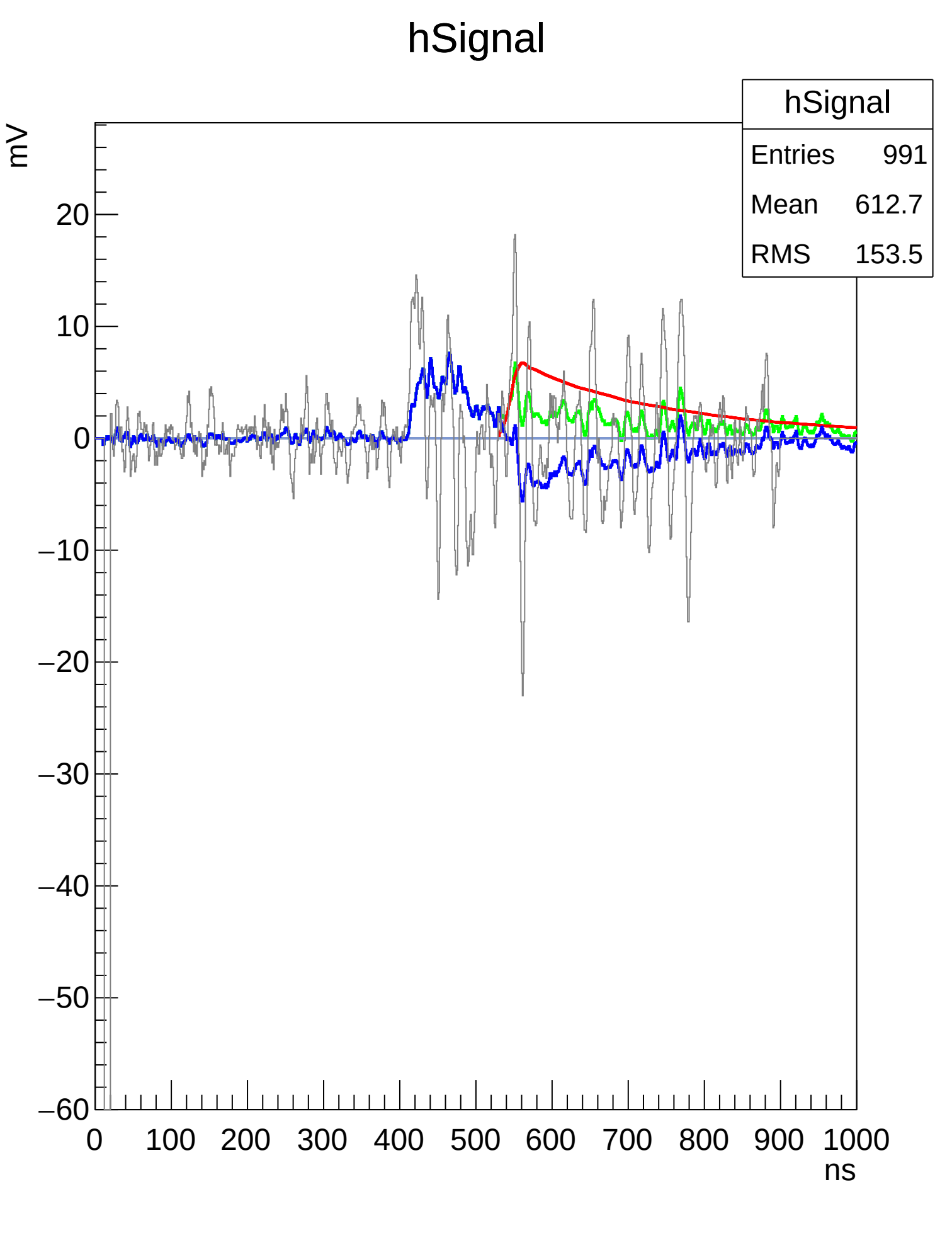
hSignal
hSignal
Entries 991
Mean 612.7
RMS 153.5
mV
20
10
0
−10
−20
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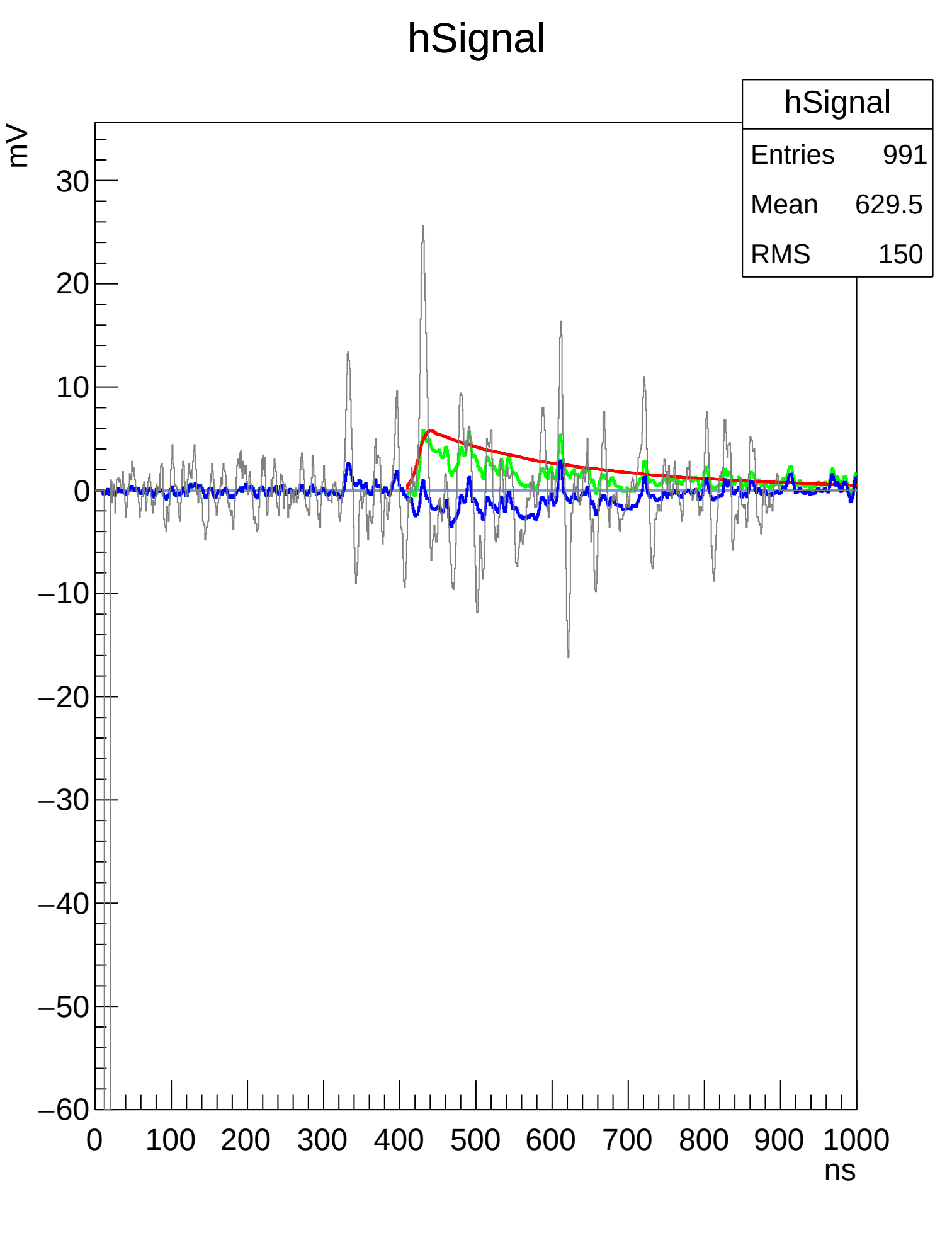
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 629.5
RMS 150
mV
30
20
10
0
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−40
−50
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0
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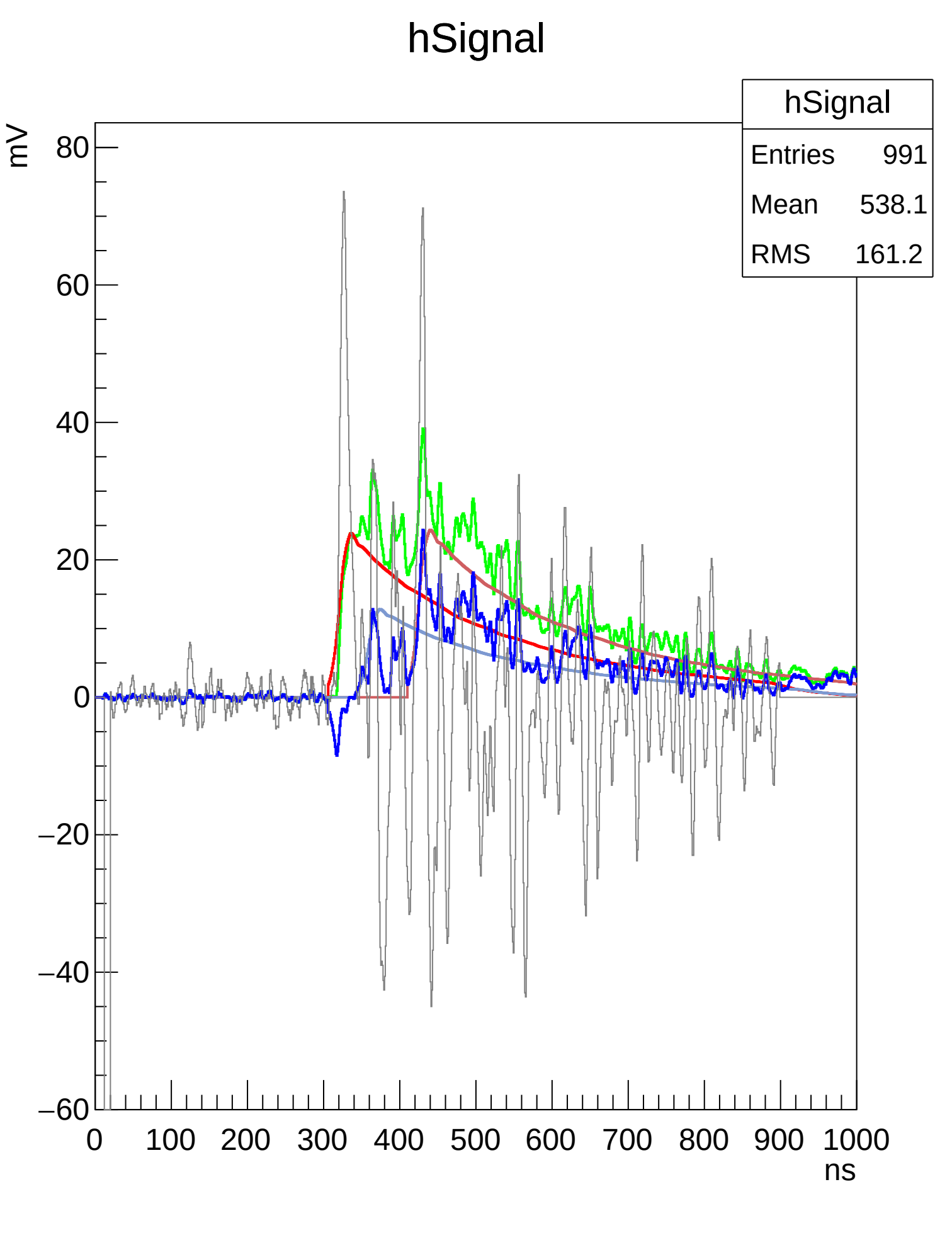
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 161.2
mV
80
60
40
20
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−20
−40
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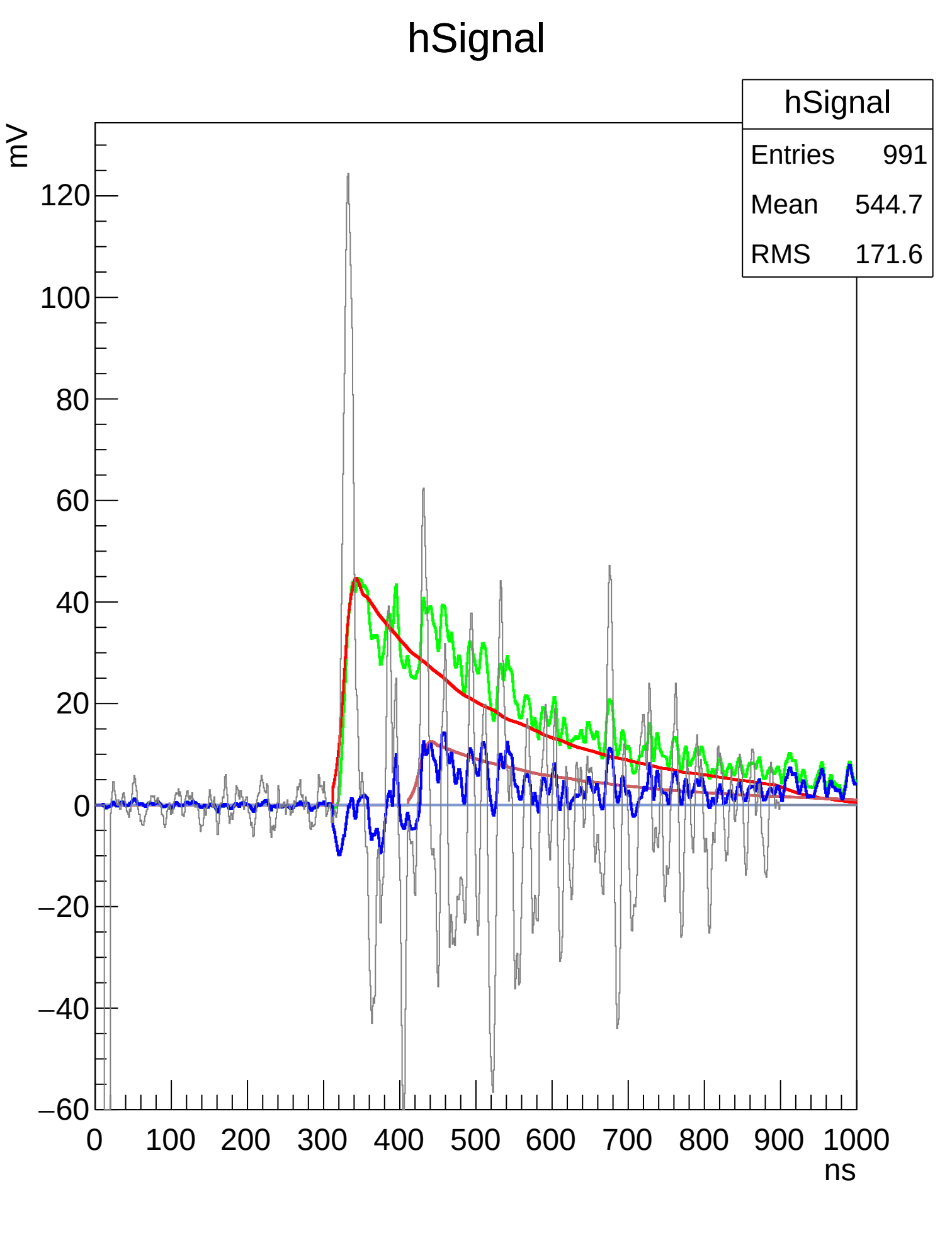
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.7
RMS 171.6
mV
120
100
80
60
40
20
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−20
−40
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0
100
200
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400
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800
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1000
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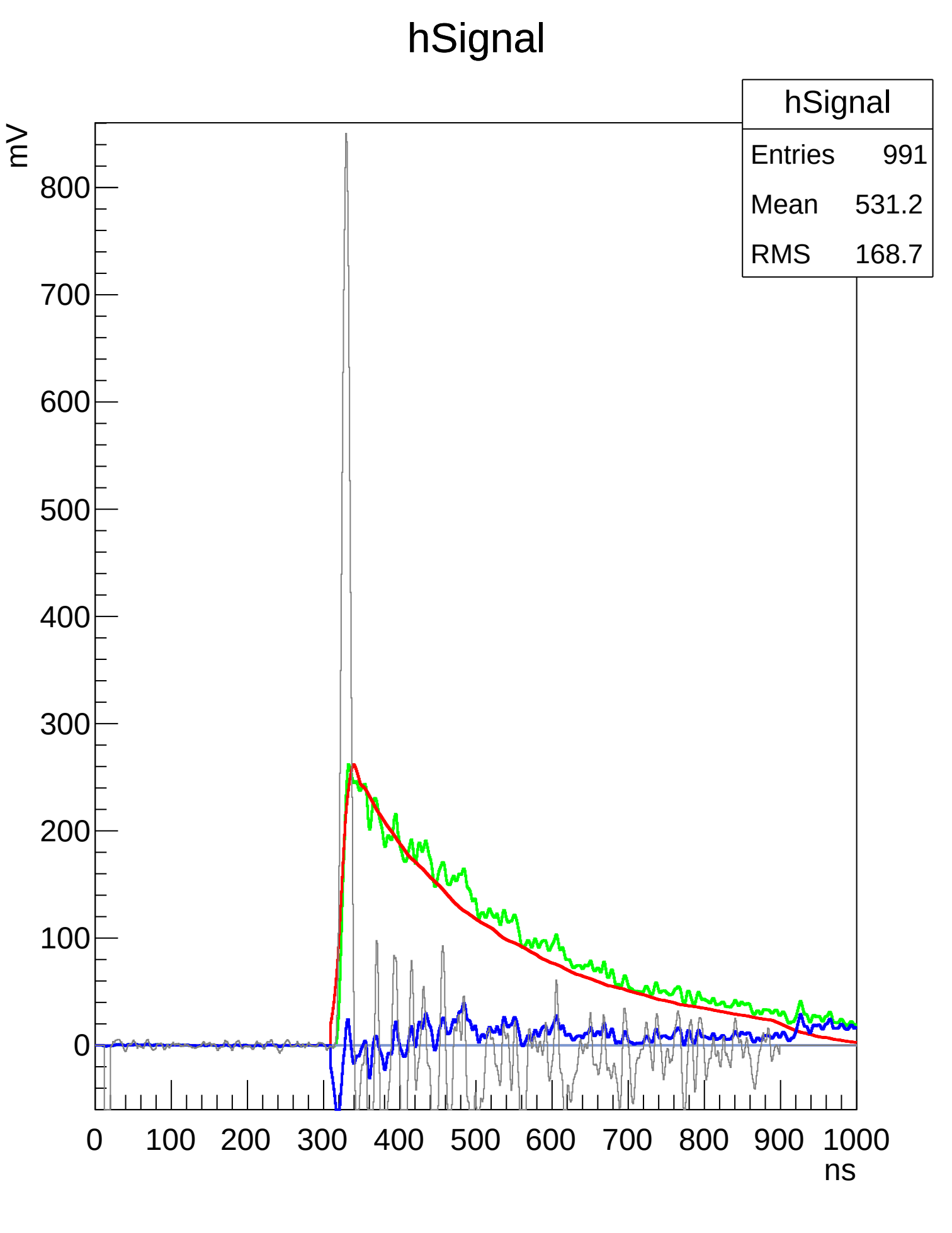
hSignal
hSignal
Entries 991
Mean 531.2
RMS 168.7
mV
800
700
600
500
400
300
200
100
0
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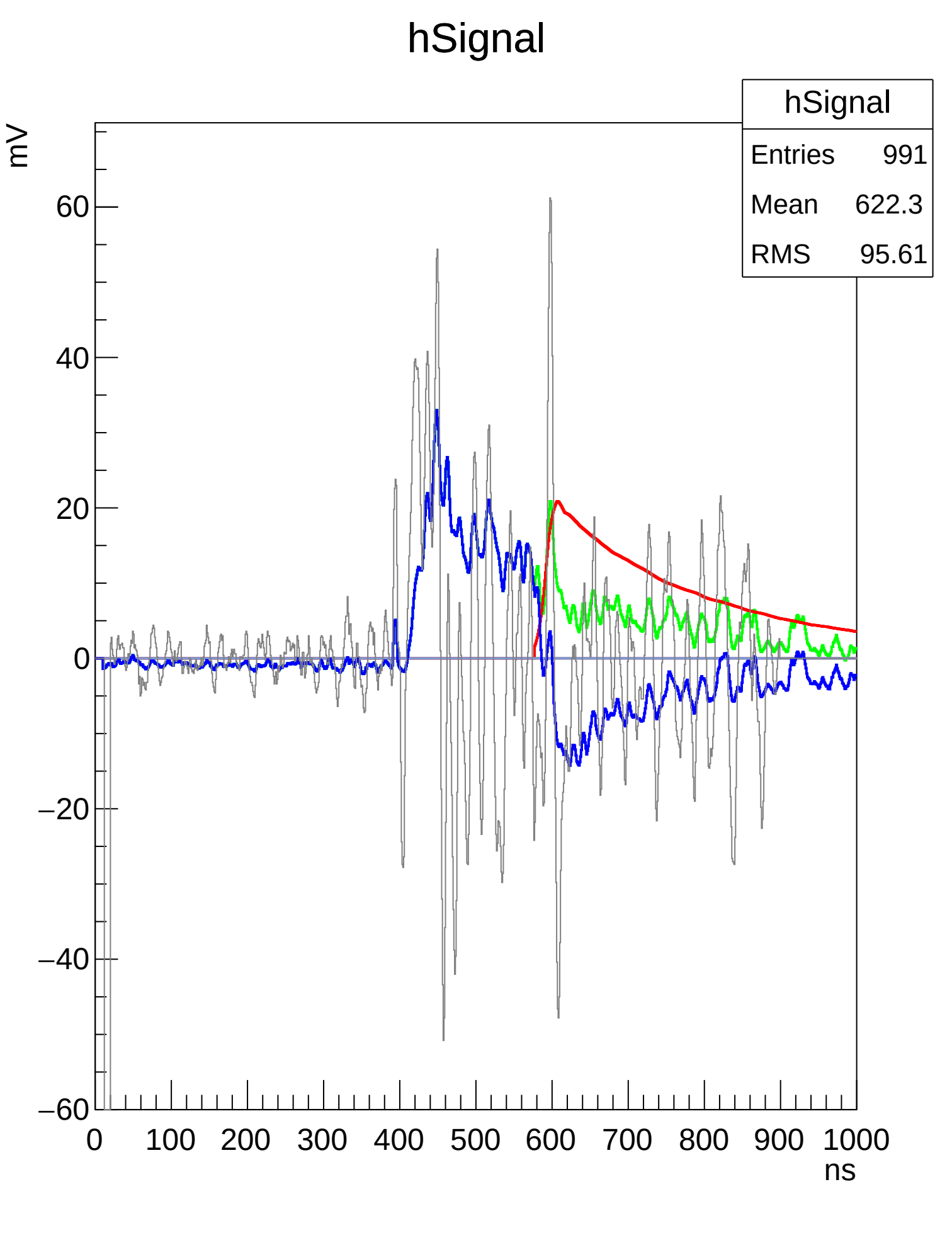
ns


hSignal
hSignal
Entries 991
Mean 622.3
RMS 95.61
mV
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0
100
200
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400
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800
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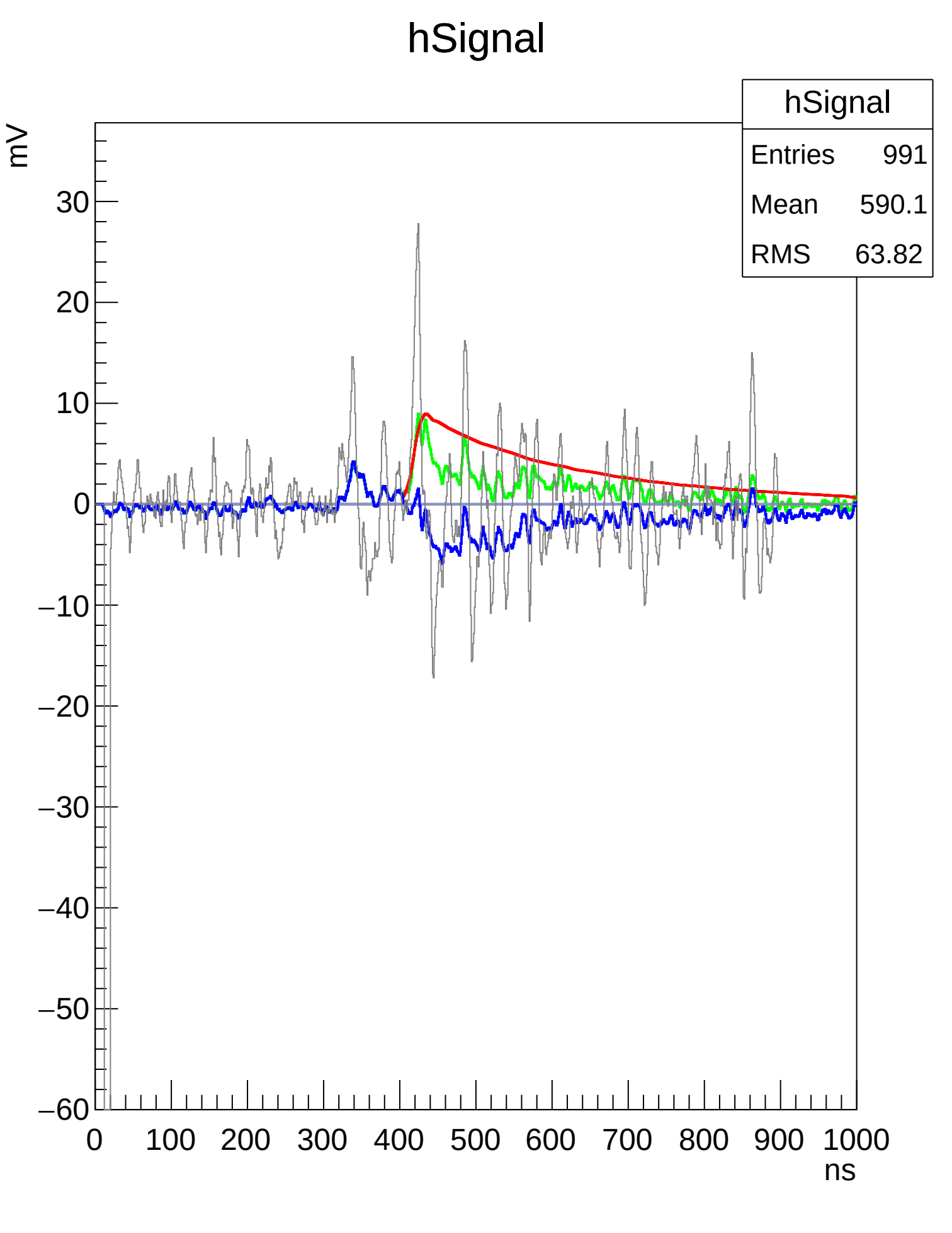
1000
ns


hSignal
hSignal
Entries 991
Mean 590.1
RMS 63.82
mV
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10
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0
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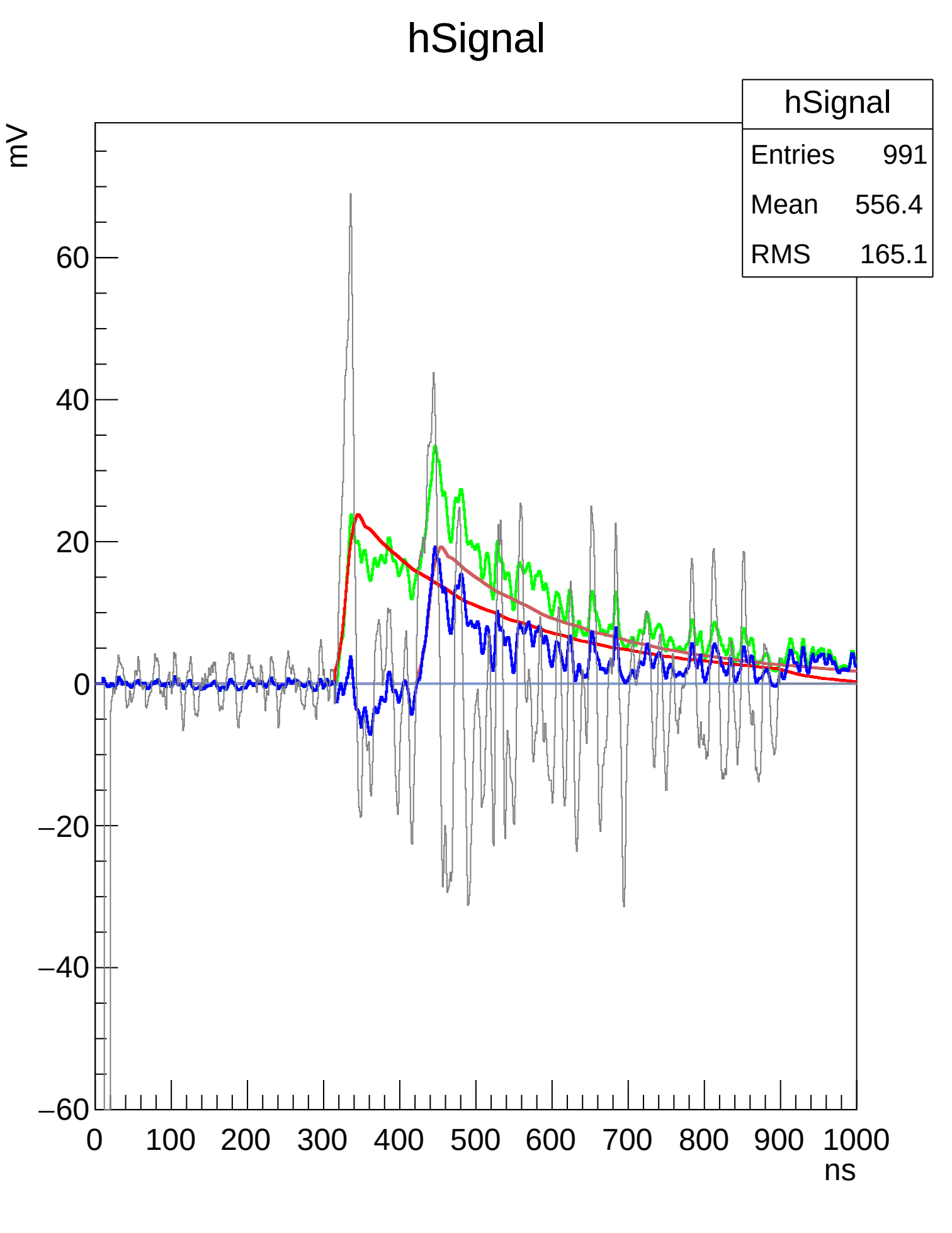
ns


hSignal
hSignal
Entries 991
Mean 556.4
RMS 165.1
mV
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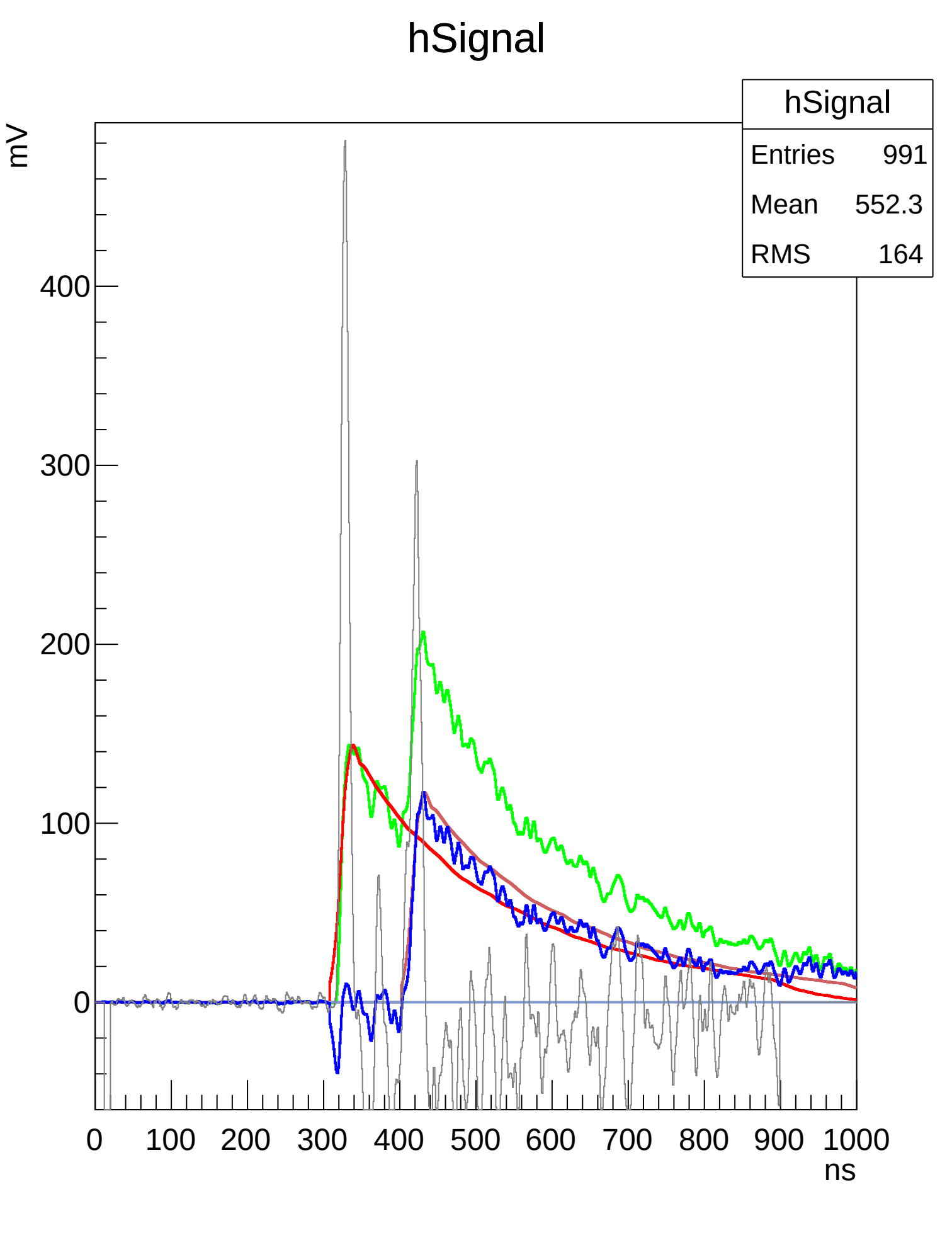
1000
ns


hSignal
hSignal
Entries 991
Mean 552.3
RMS 164
mV
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300
200
100
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800
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1000
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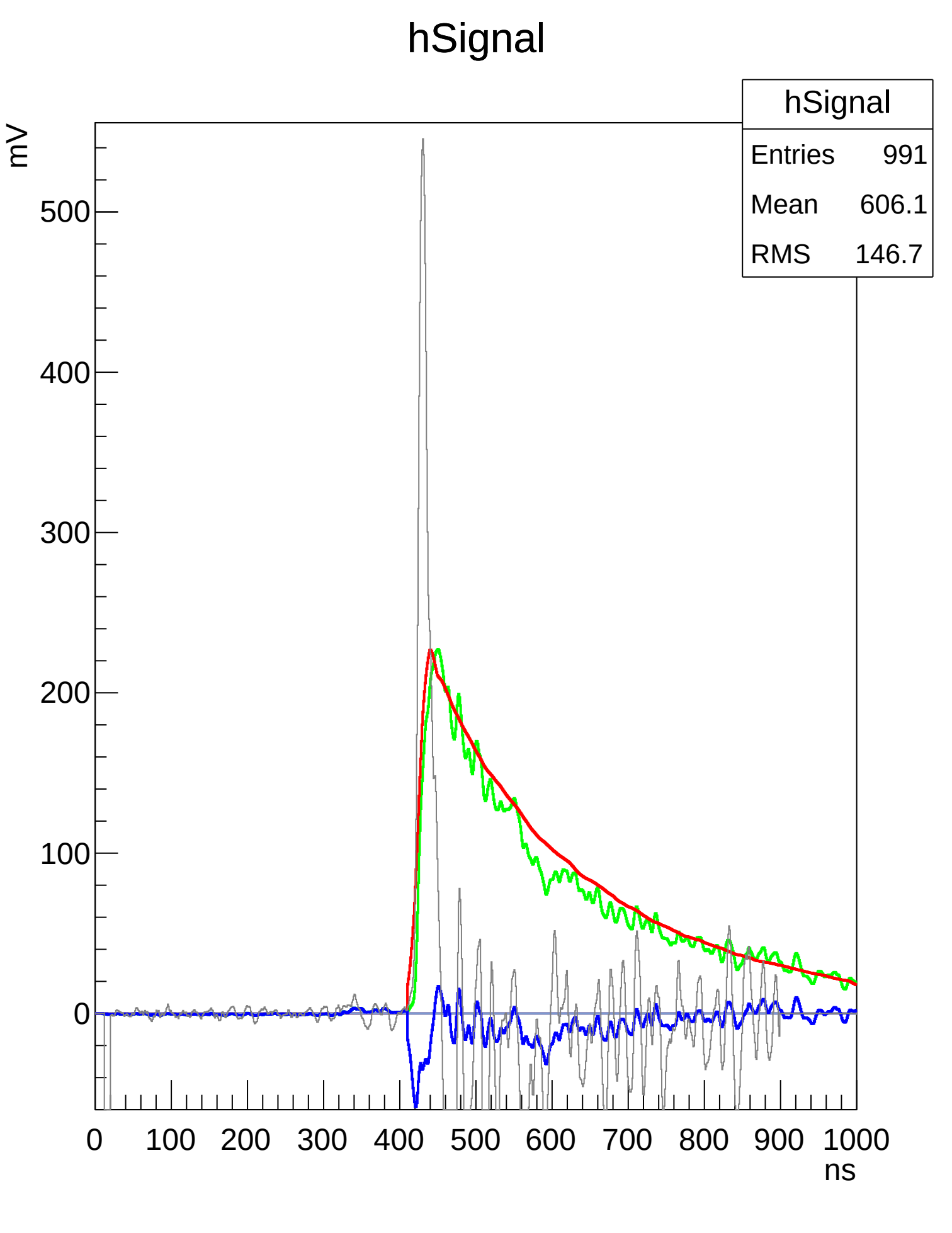
hSignal
hSignal
Entries 991
Mean 606.1
RMS 146.7
mV
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400
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200
100
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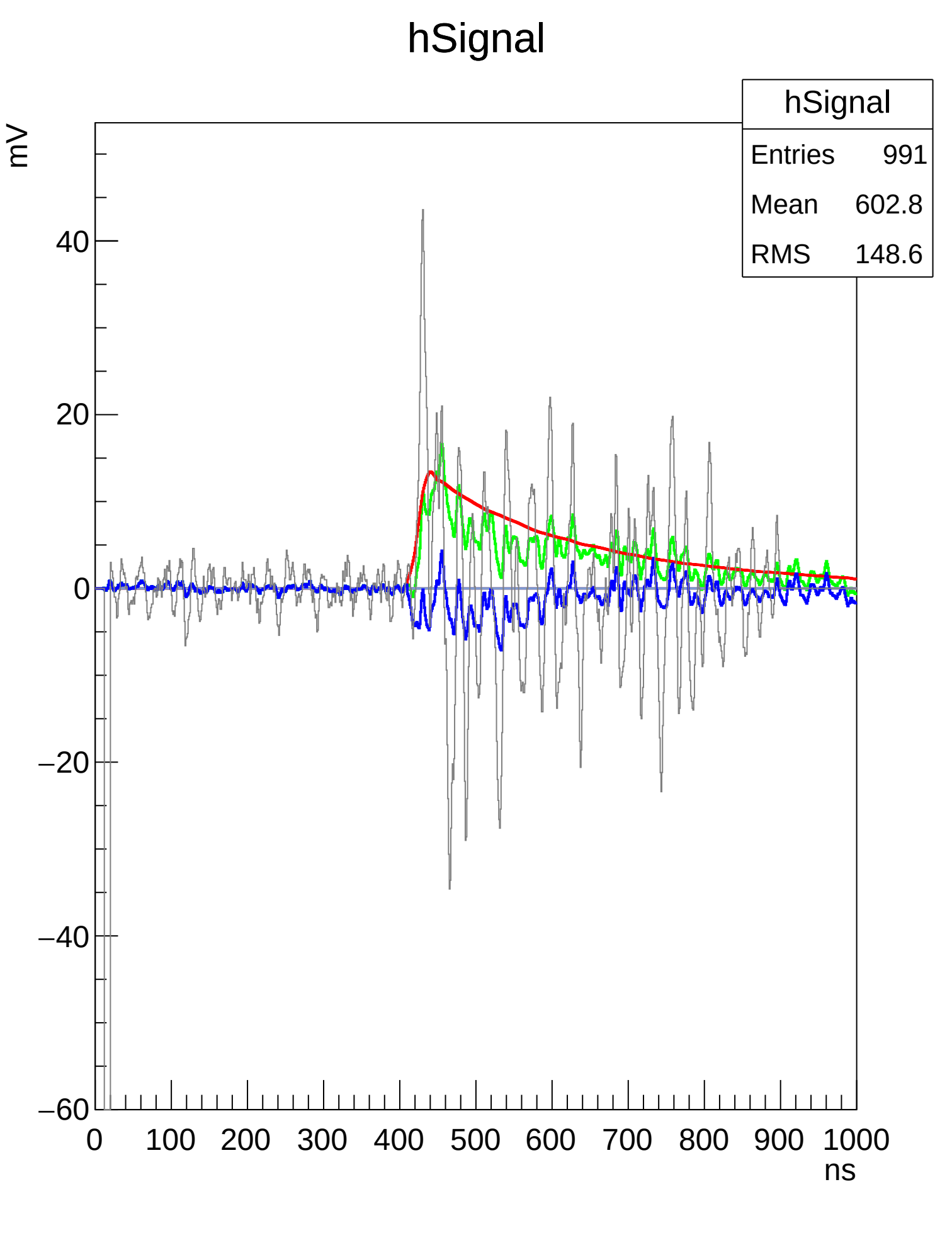
ns


hSignal
hSignal
Entries 991
Mean 602.8
RMS 148.6
mV
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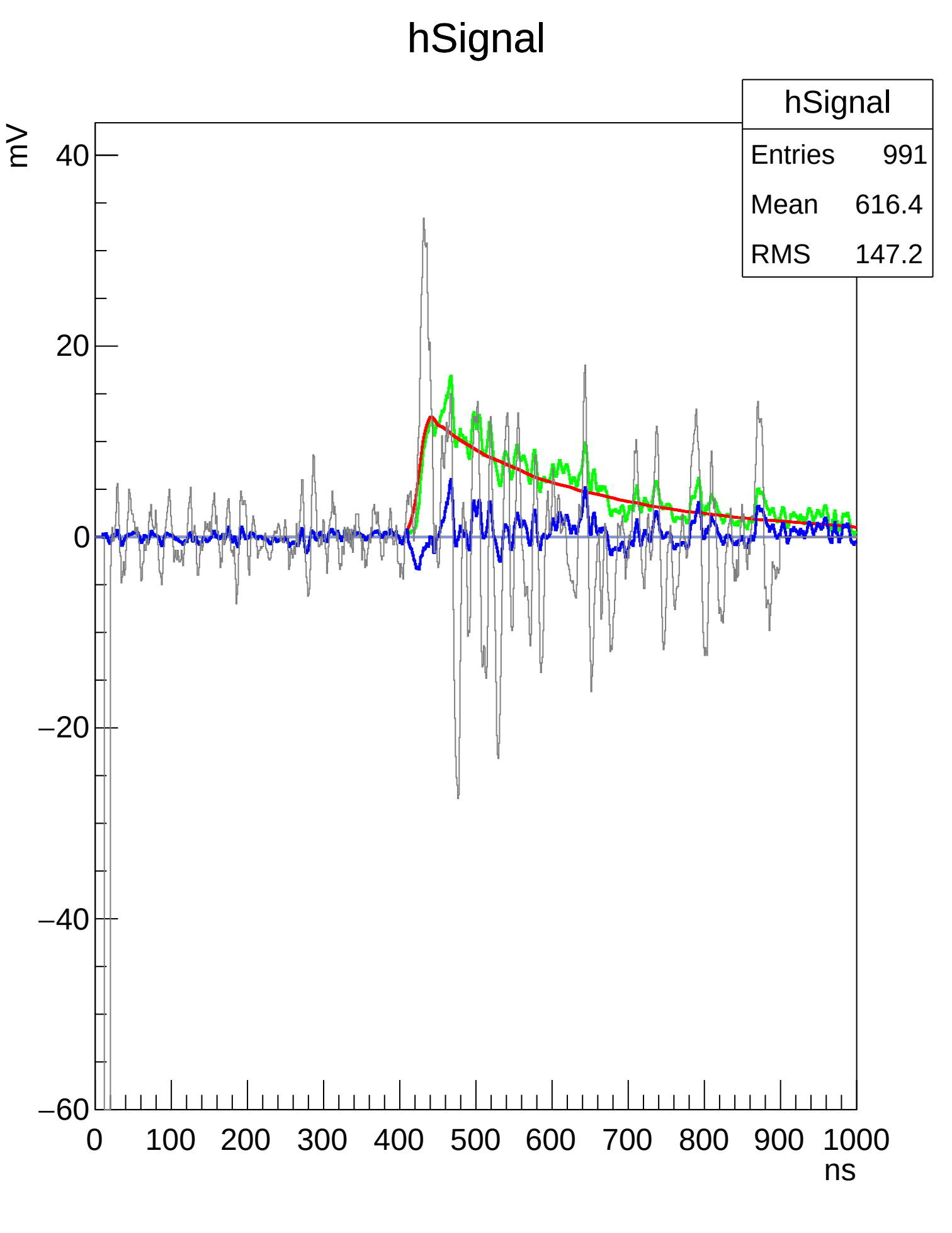
hSignal
hSignal
Entries 991
Mean 616.4
RMS 147.2
mV
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0
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1000
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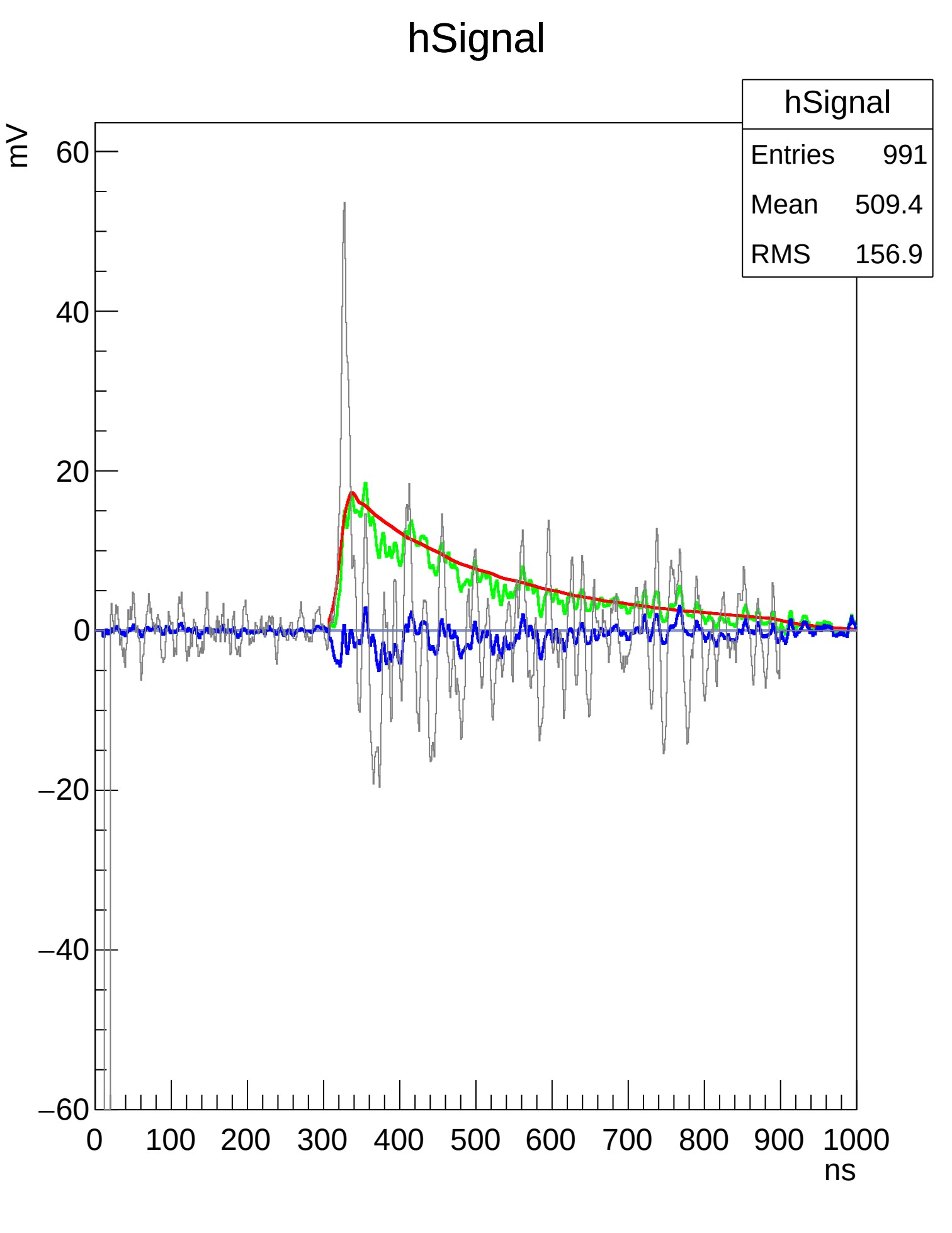
hSignal
hSignal
Entries 991
Mean 509.4
RMS 156.9
mV
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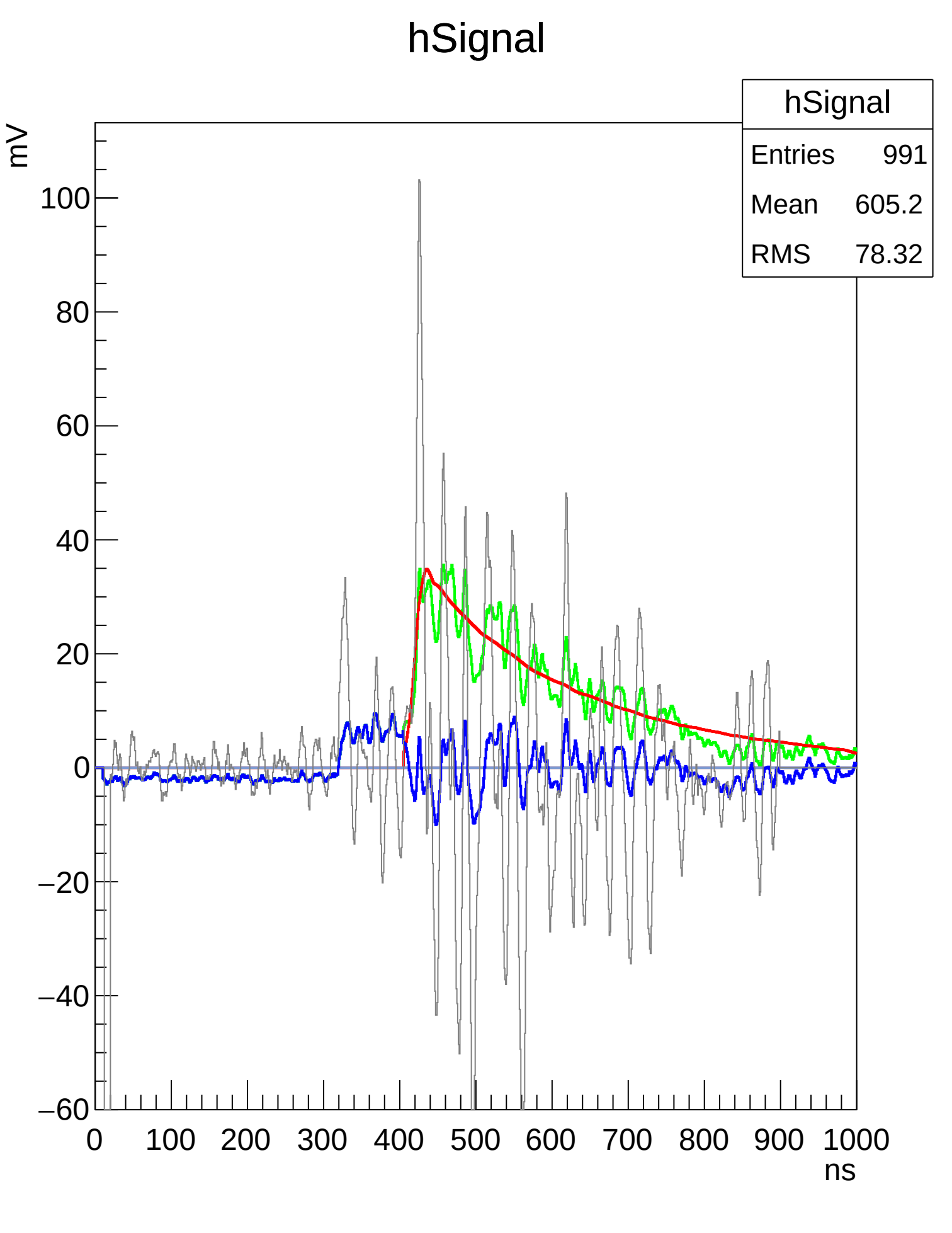
hSignal
hSignal
Entries 991
Mean 605.2
RMS 78.32
mV
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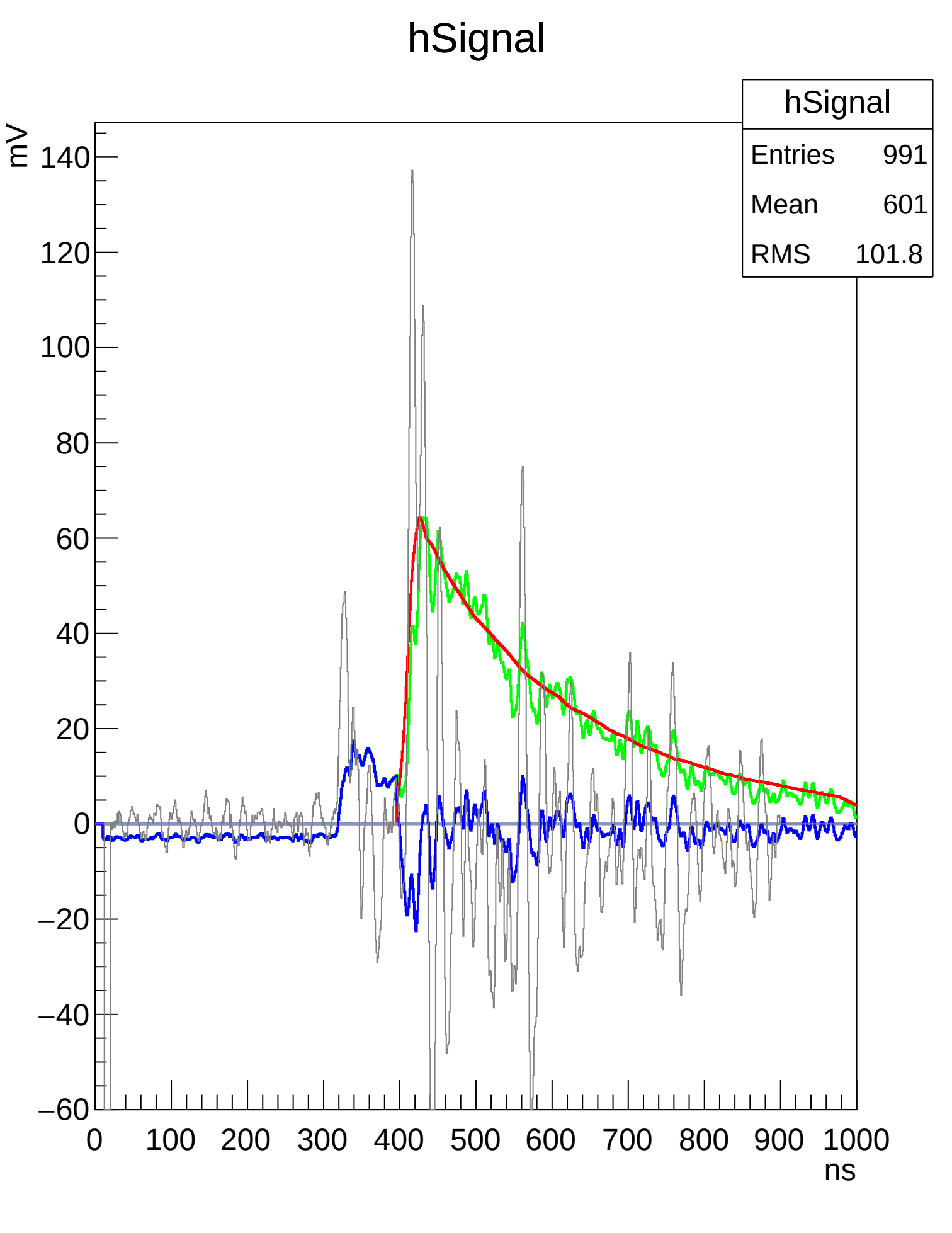
1000
ns


hSignal
hSignal
Entries 991
Mean 601
RMS 101.8
mV
140
120
100
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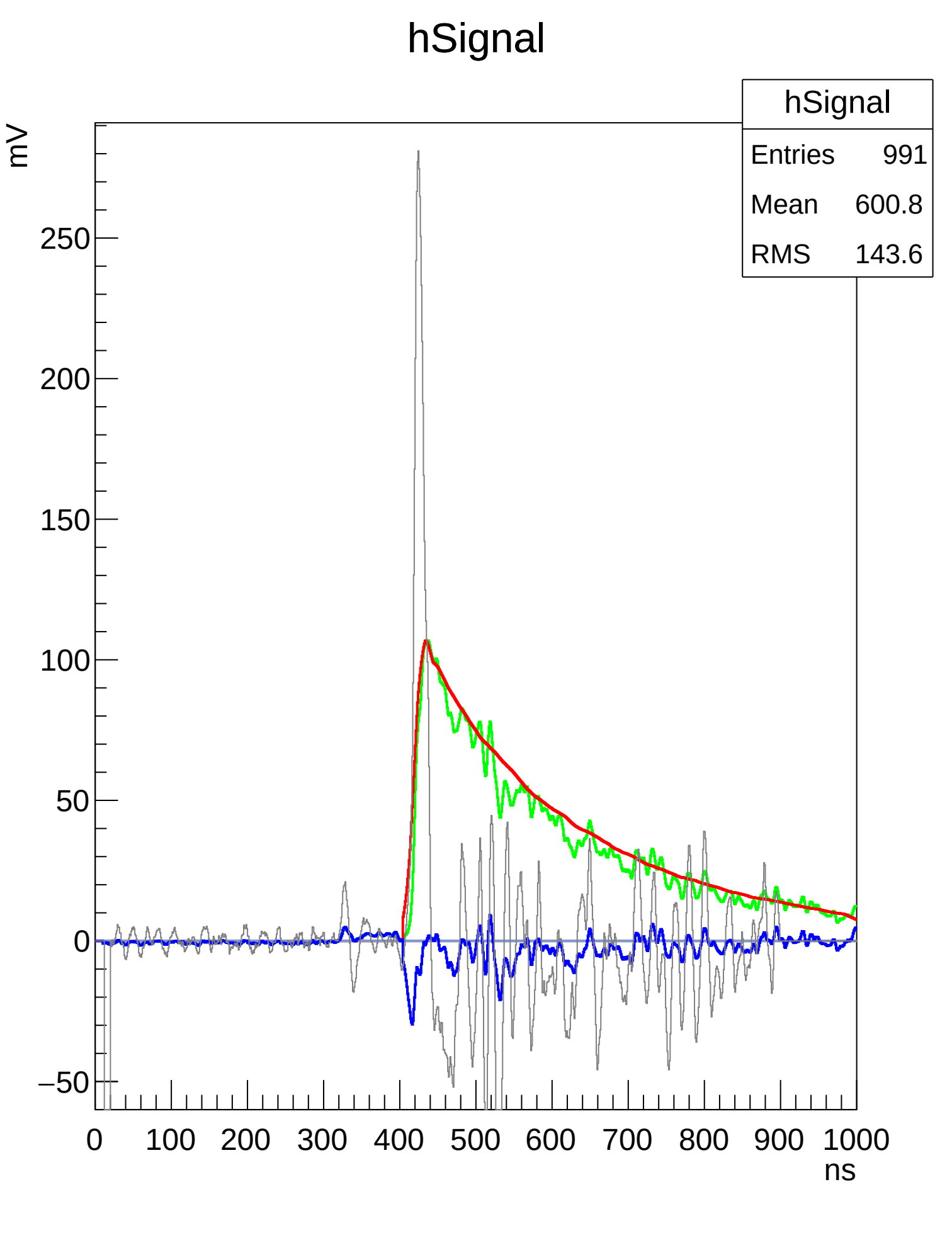
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.8
RMS 143.6
mV
250
200
150
100
50
0
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100
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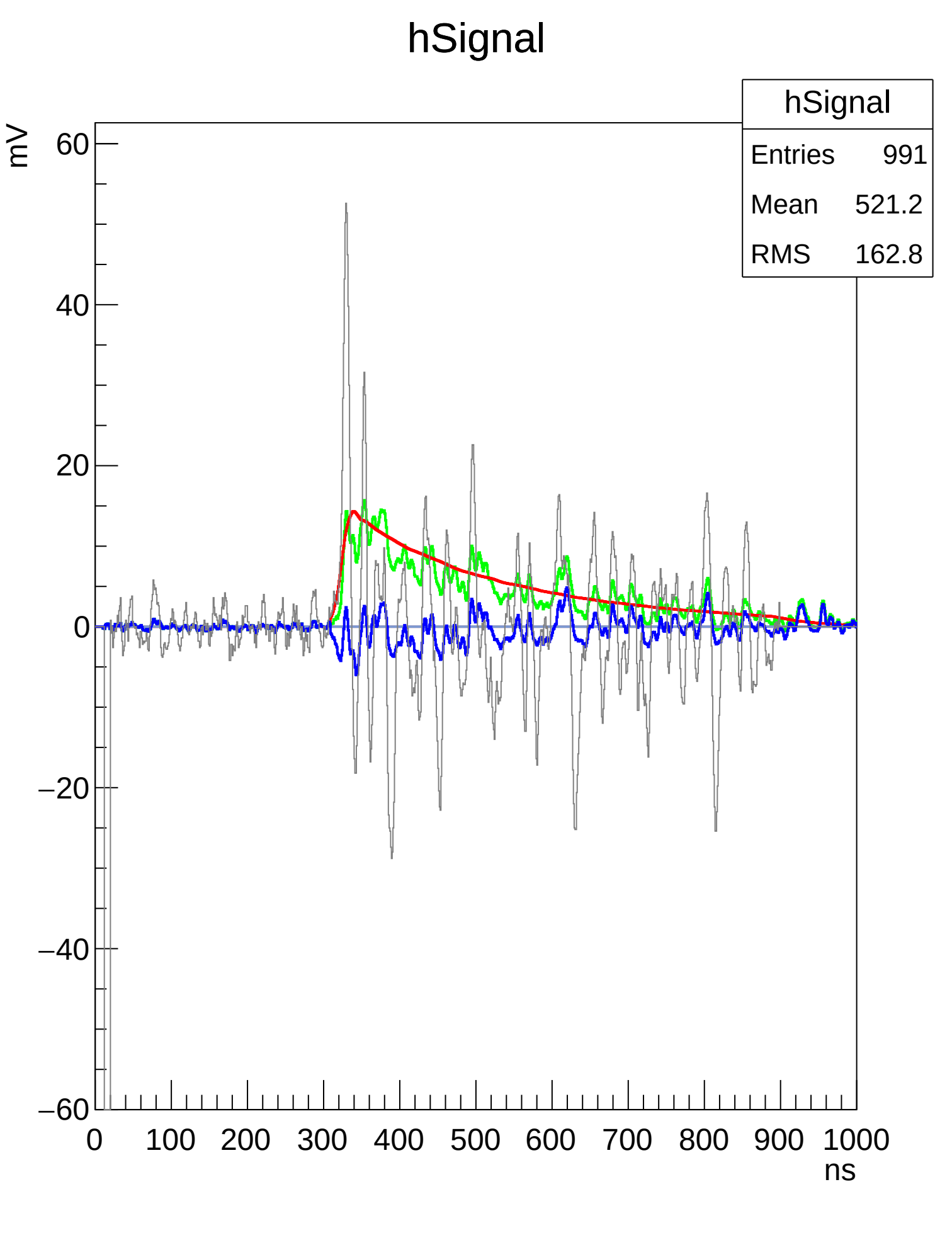
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.2
RMS 162.8
mV
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0
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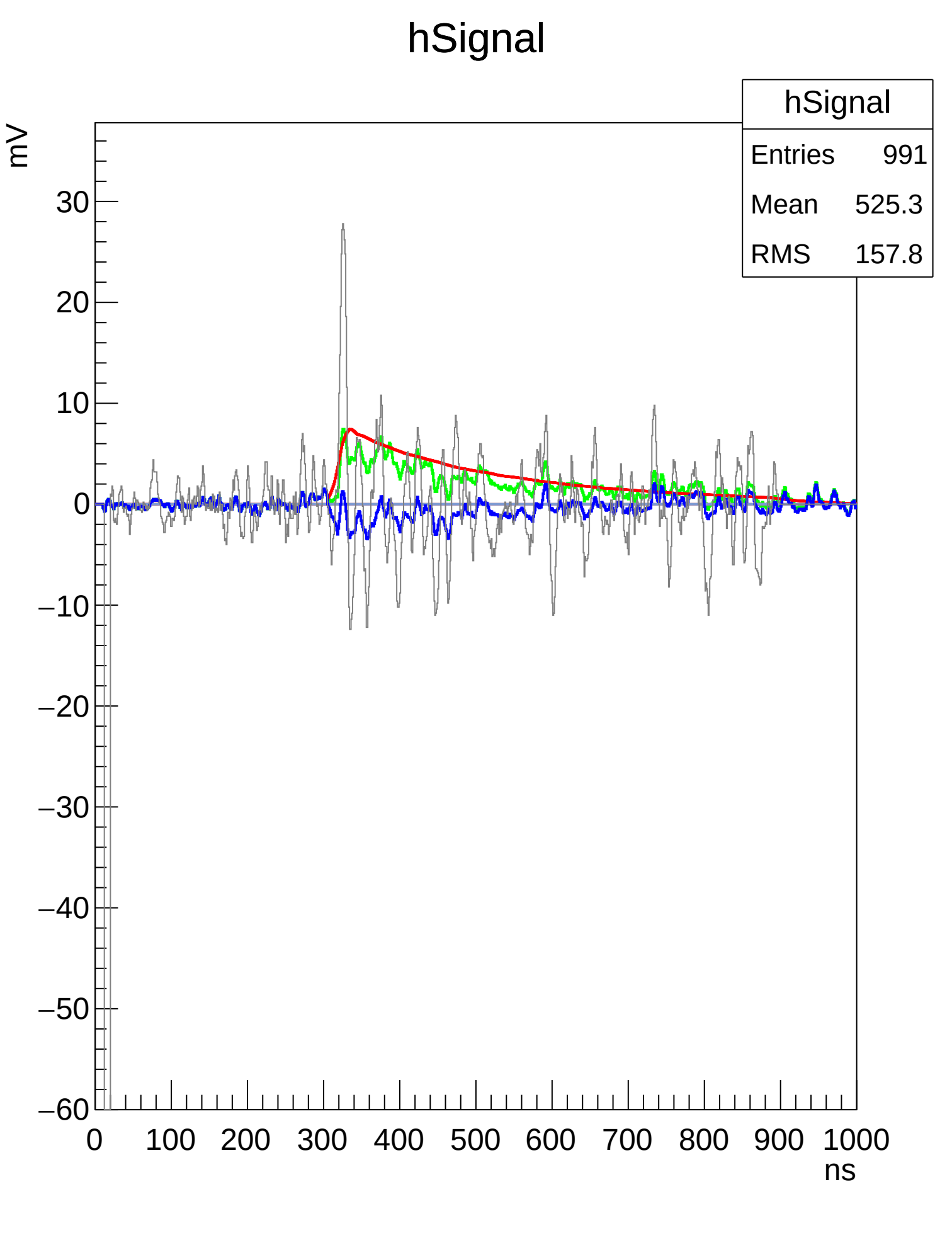
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.3
RMS 157.8
mV
30
20
10
0
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0
100
200
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400
500
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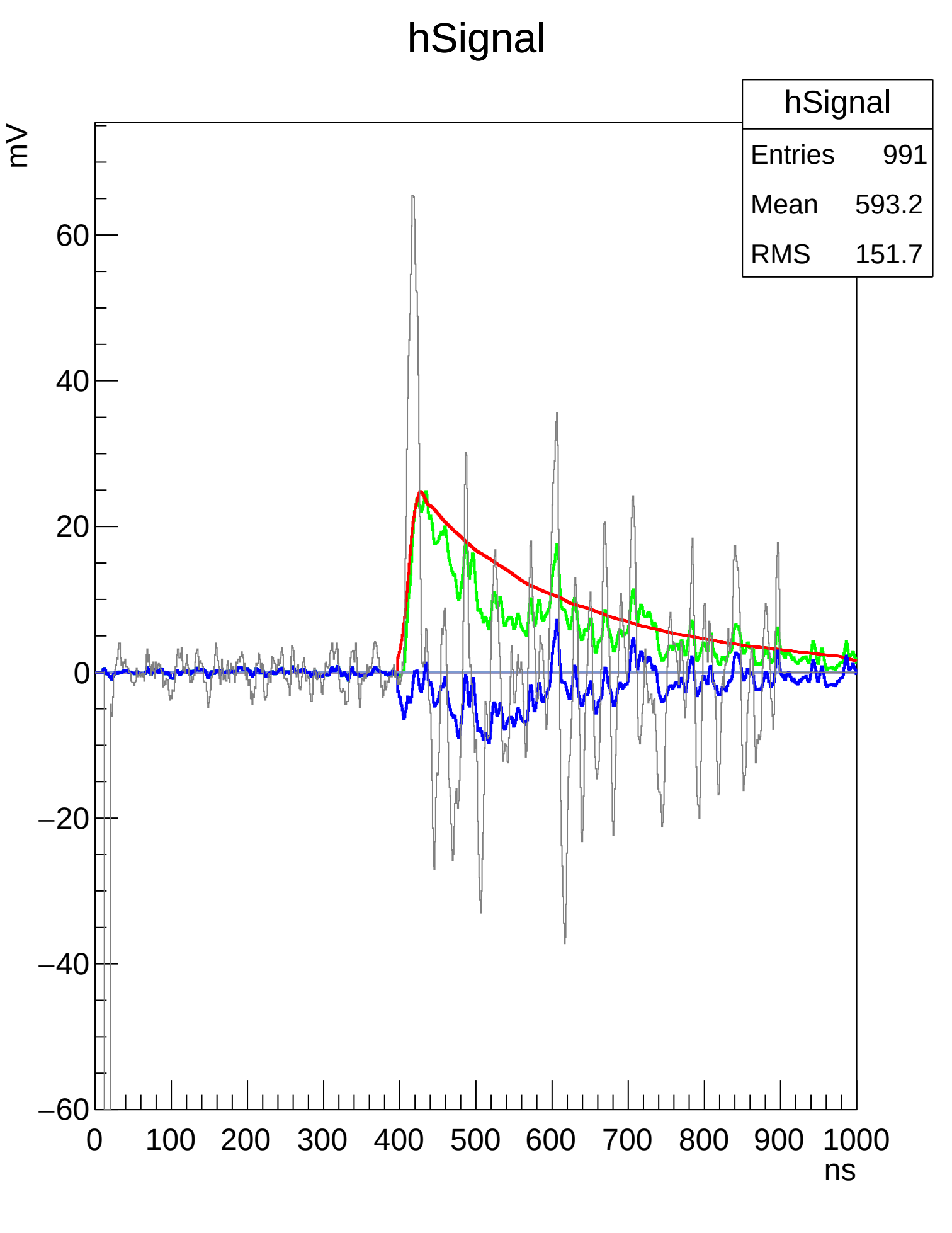
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.2
RMS 151.7
mV
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−40
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0
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400
500
600
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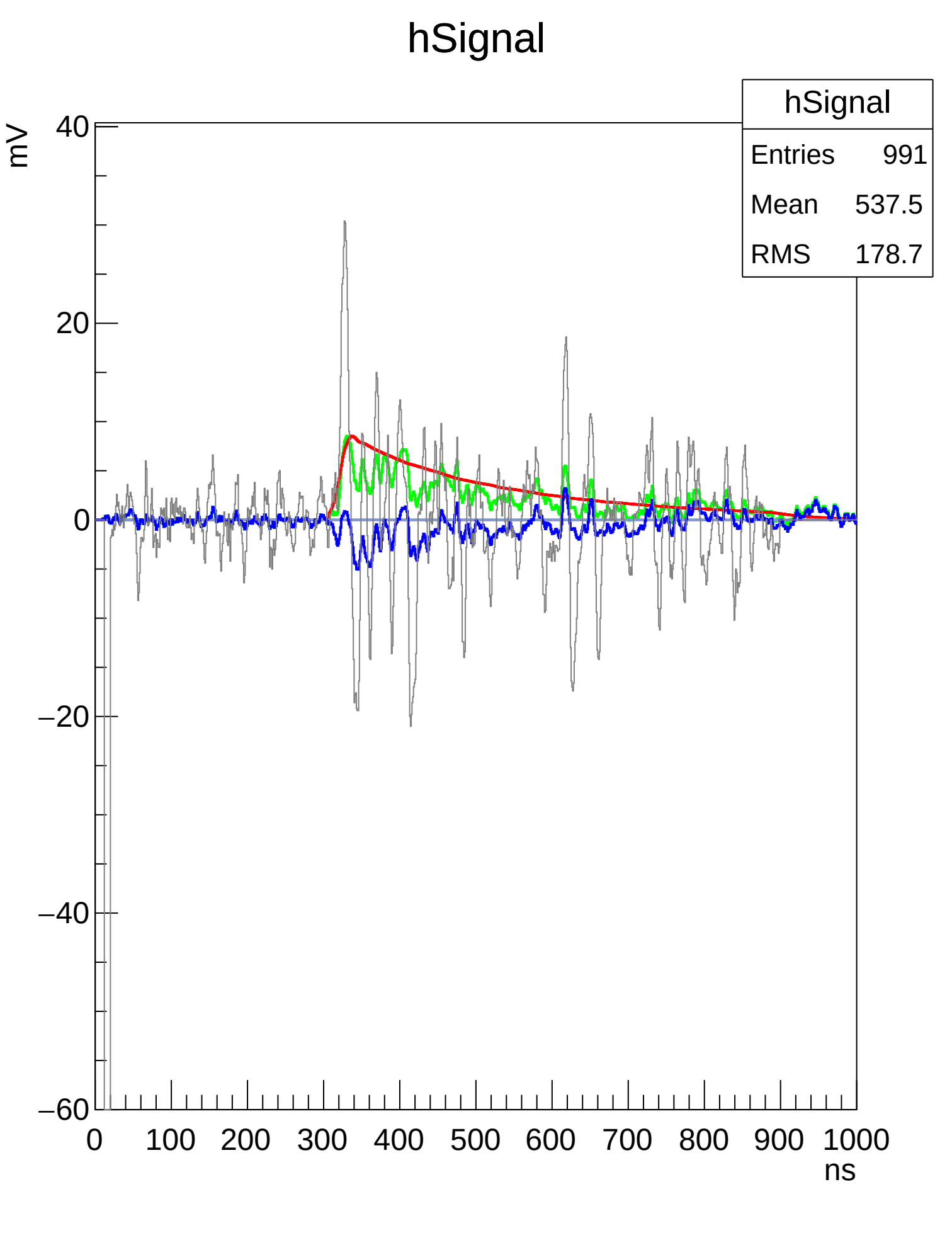
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.5
RMS 178.7
mV
40
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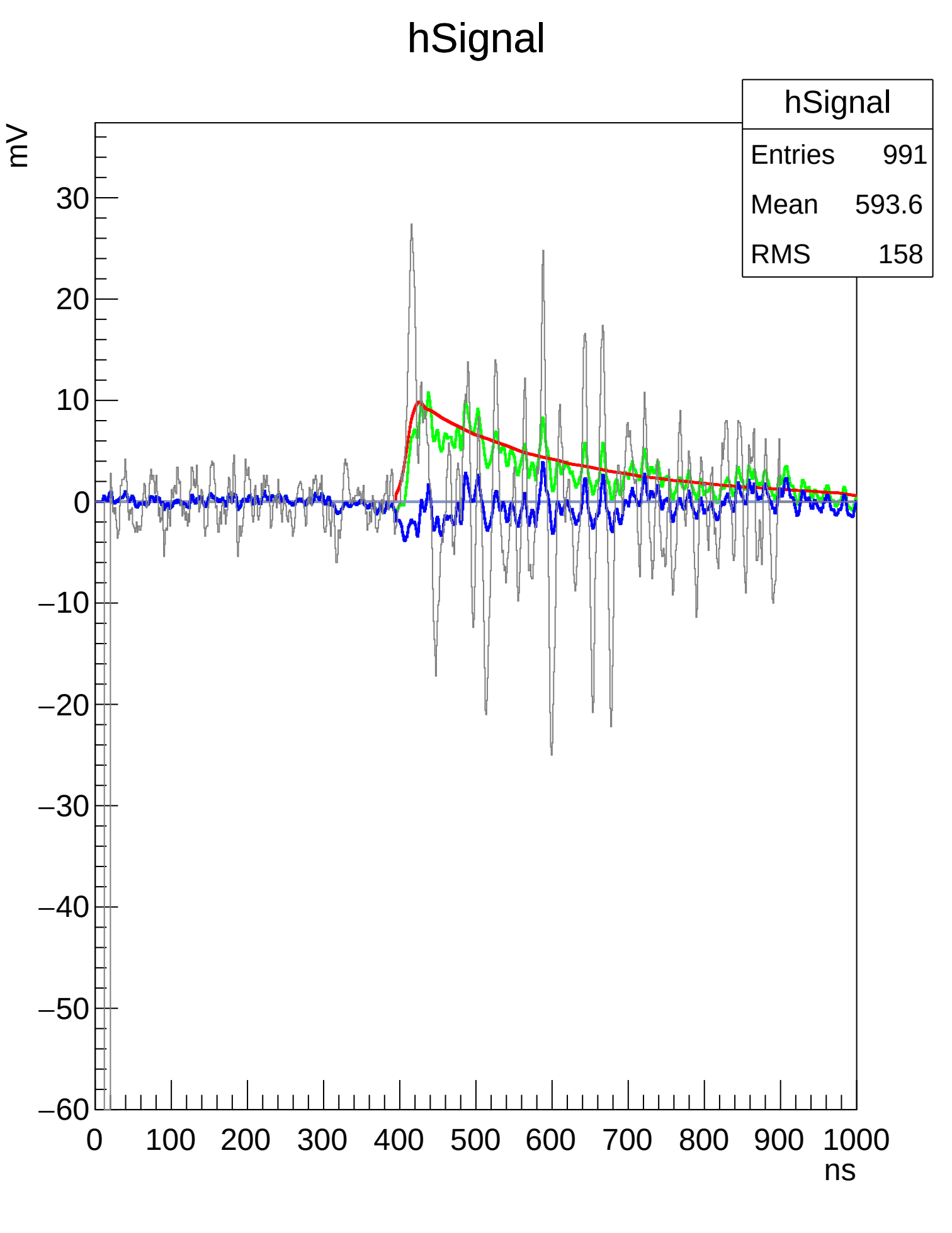
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 158
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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700
800
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1000
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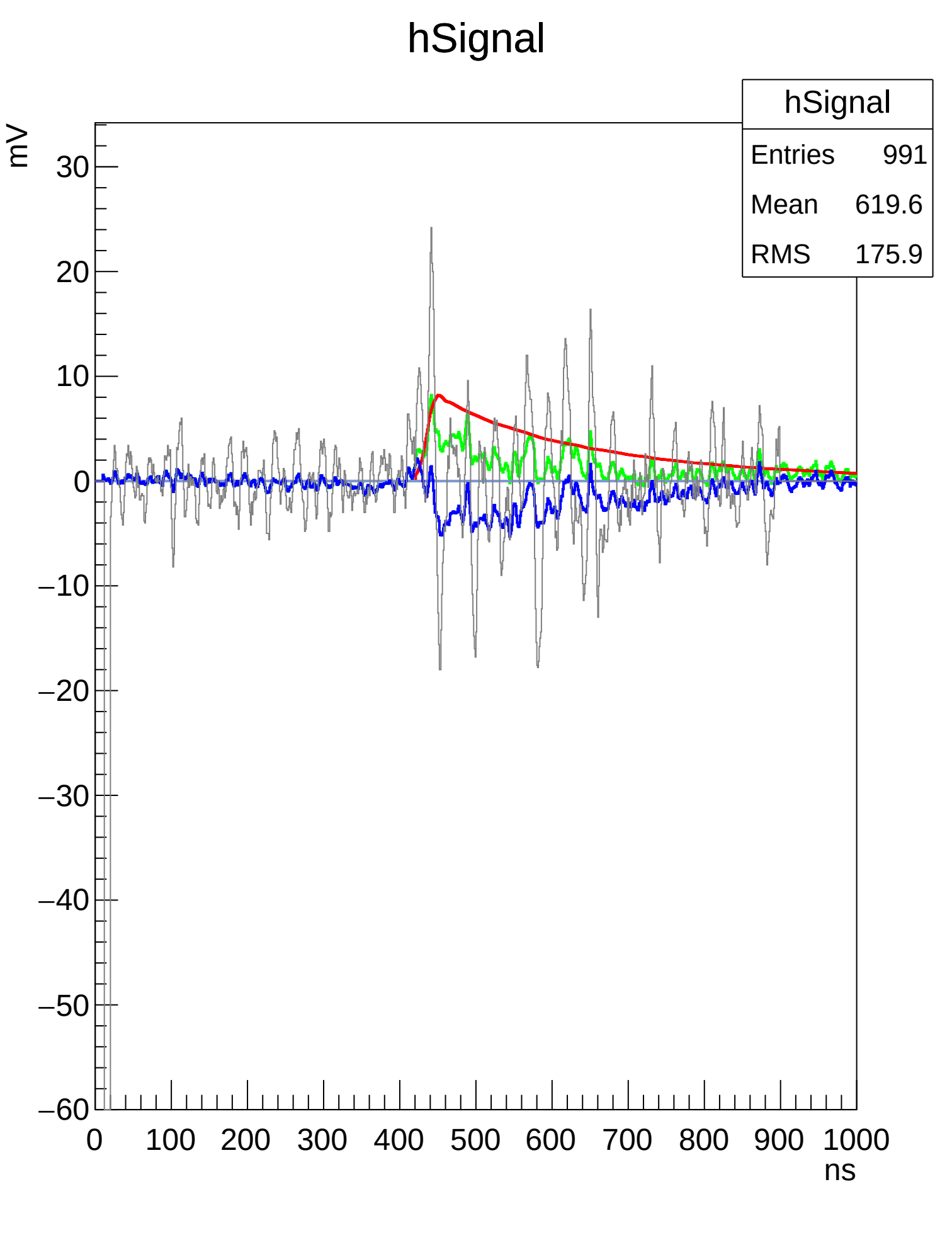
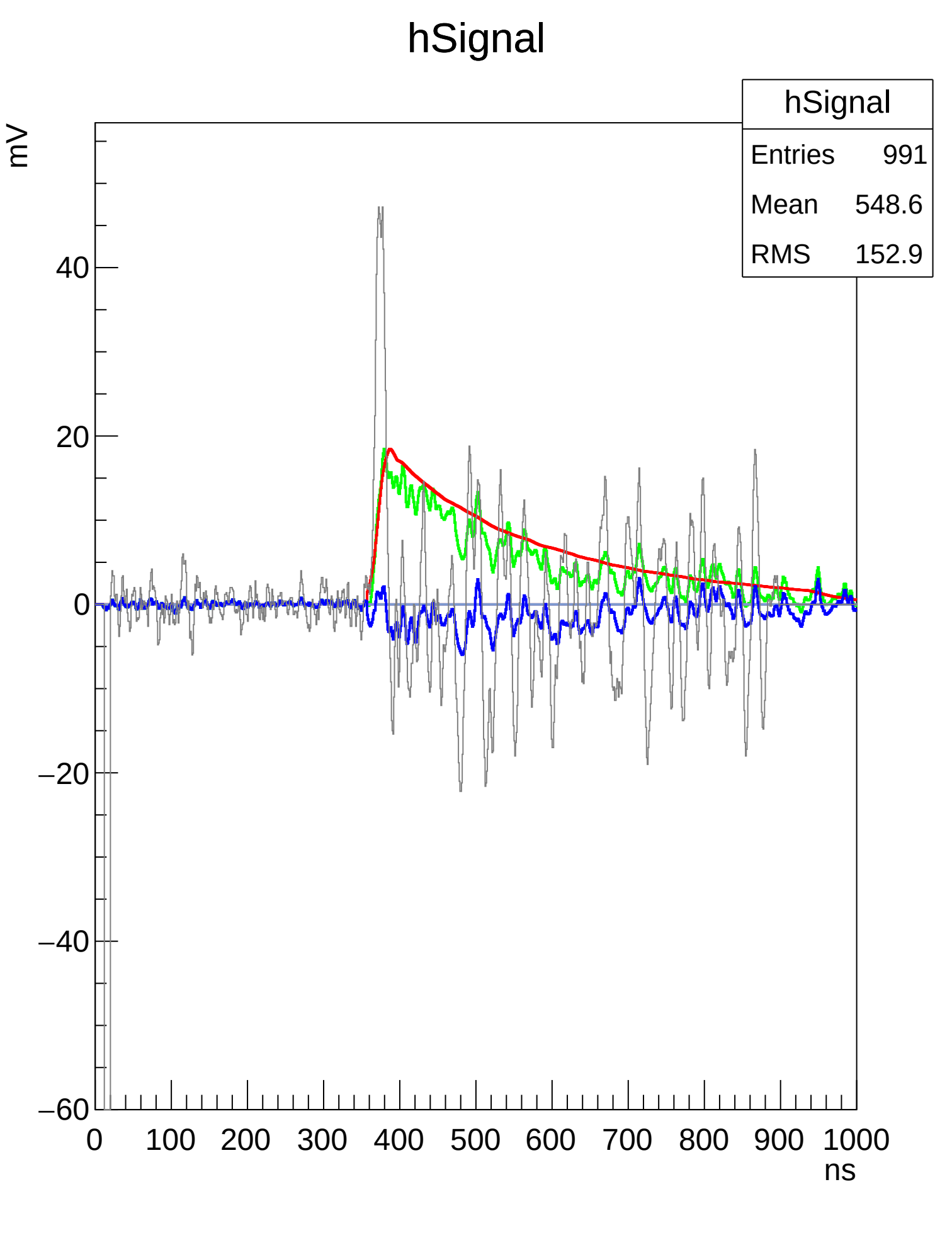

hSignal
hSignal
Entries 991
Mean 619.6
RMS 175.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.6
RMS 152.9
mV
40
20
0
−20
−40
−60
0
100
200
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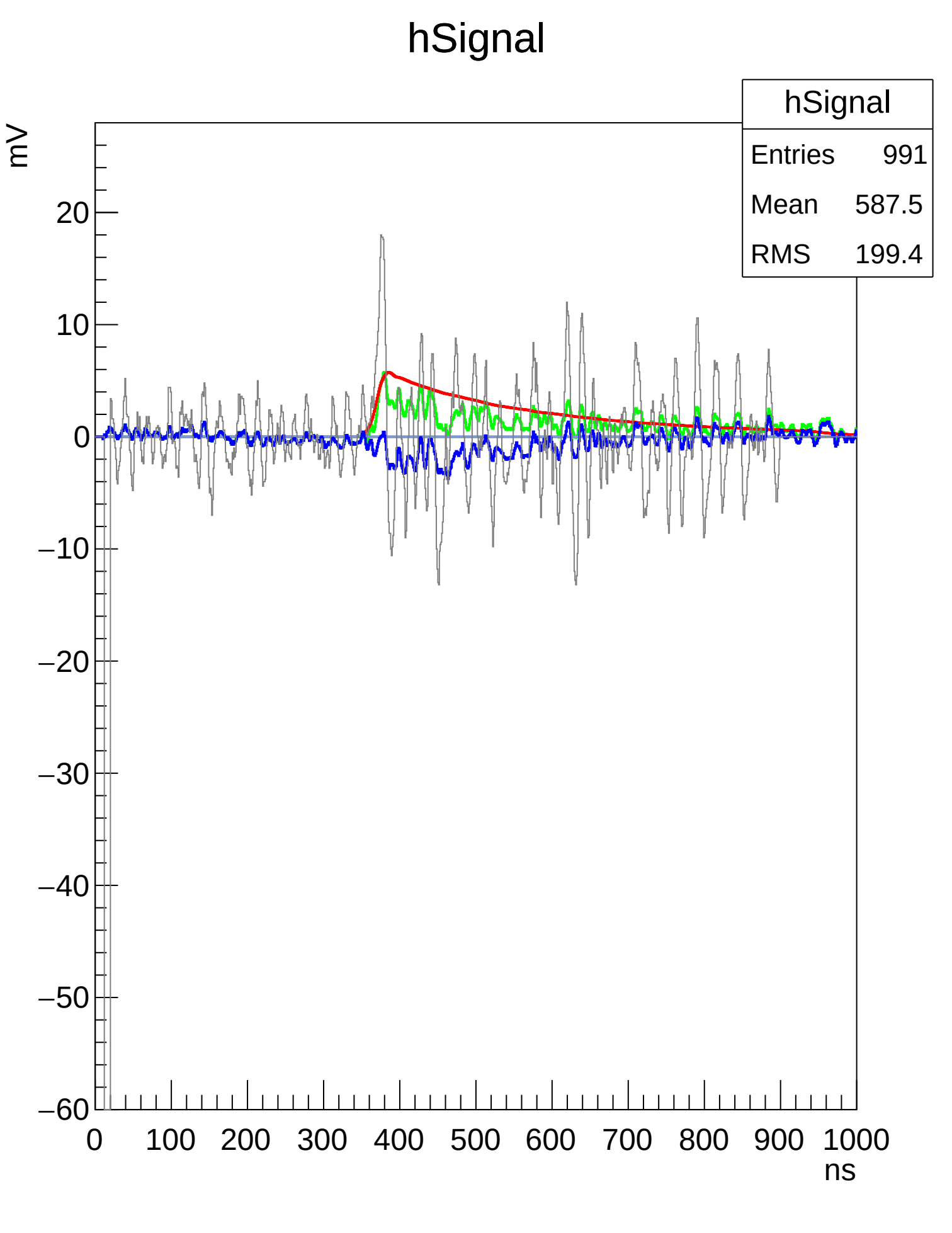
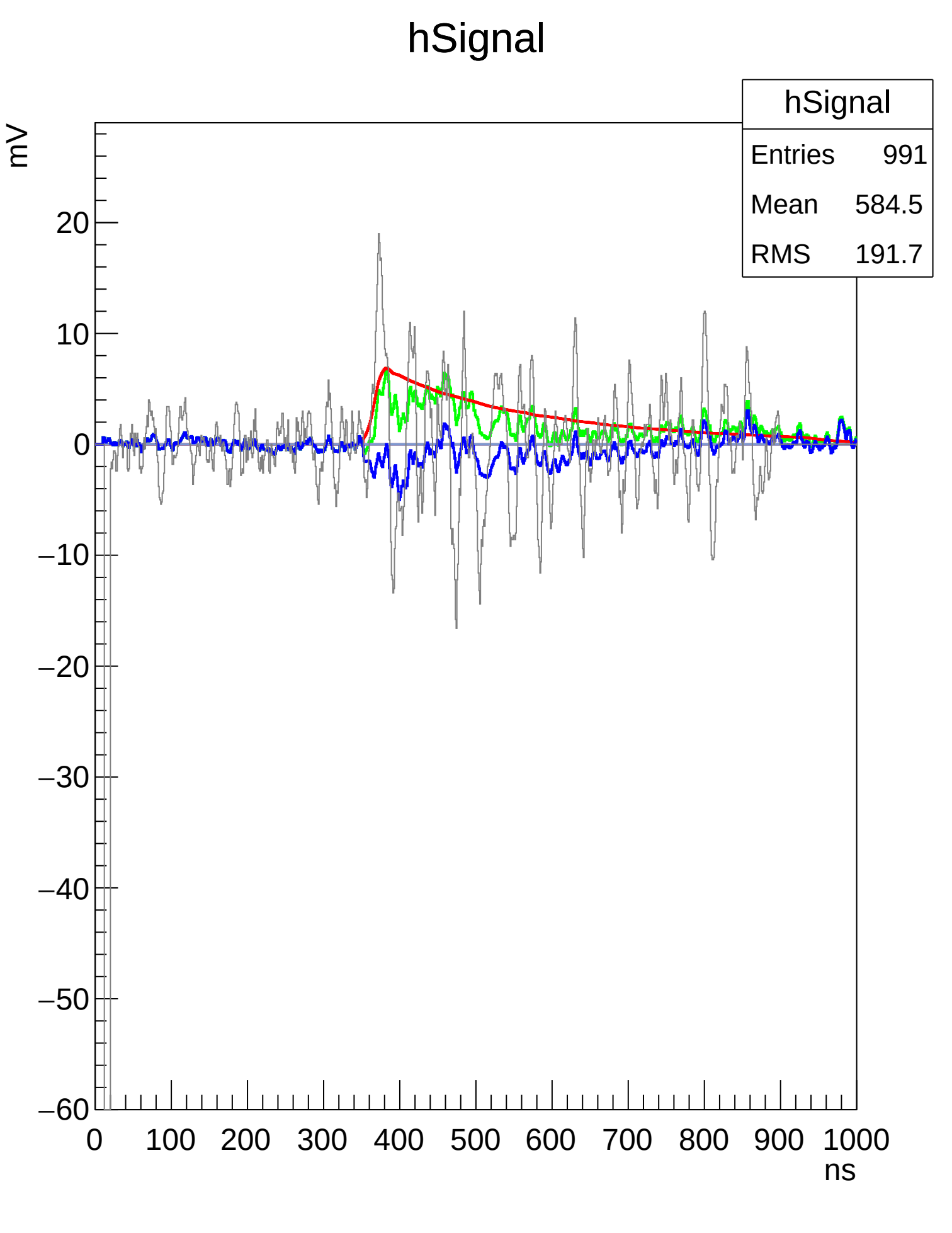
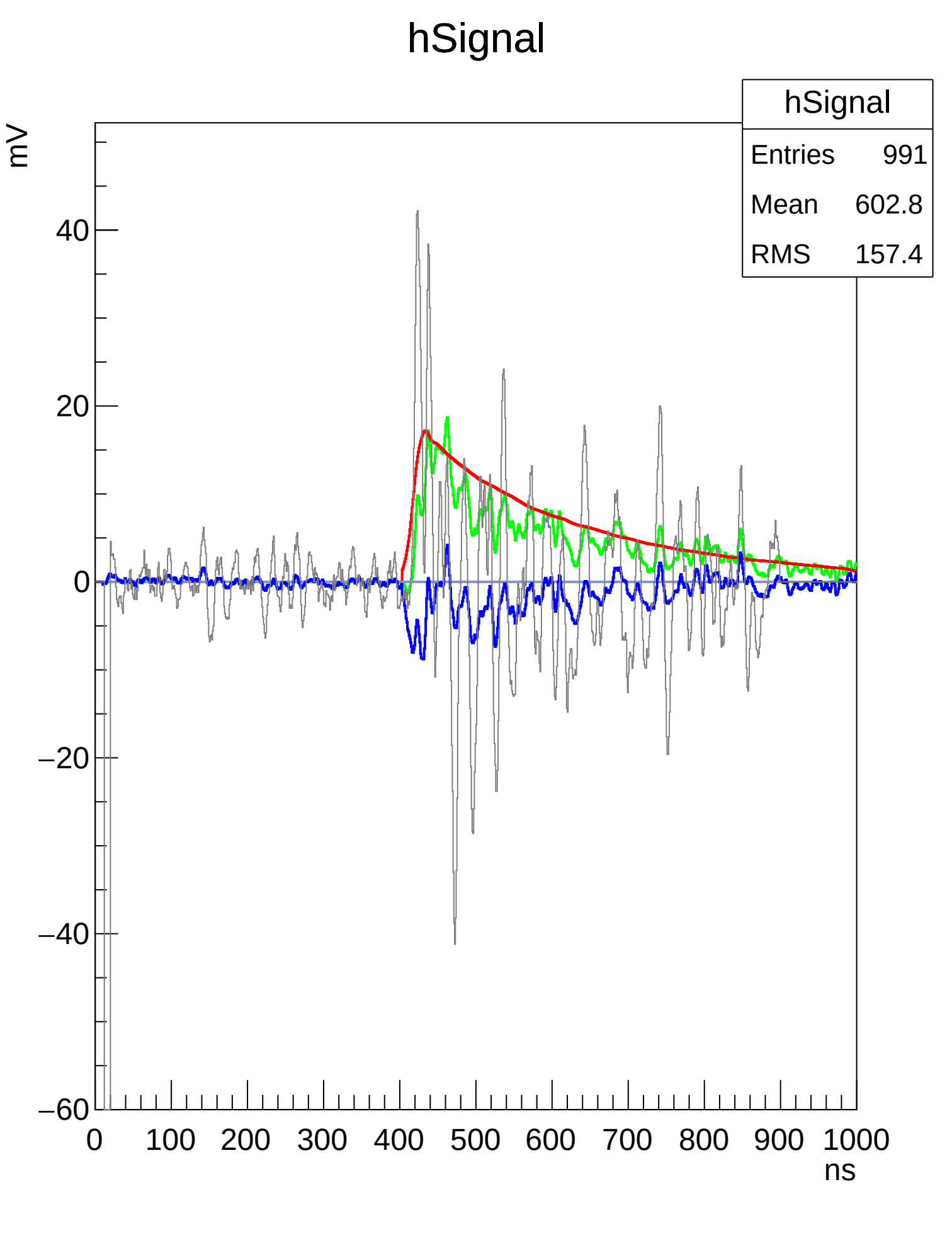
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 199.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.5
RMS 191.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.8
RMS 157.4
mV
40
20
0
−20
−40
−60
0
100
200
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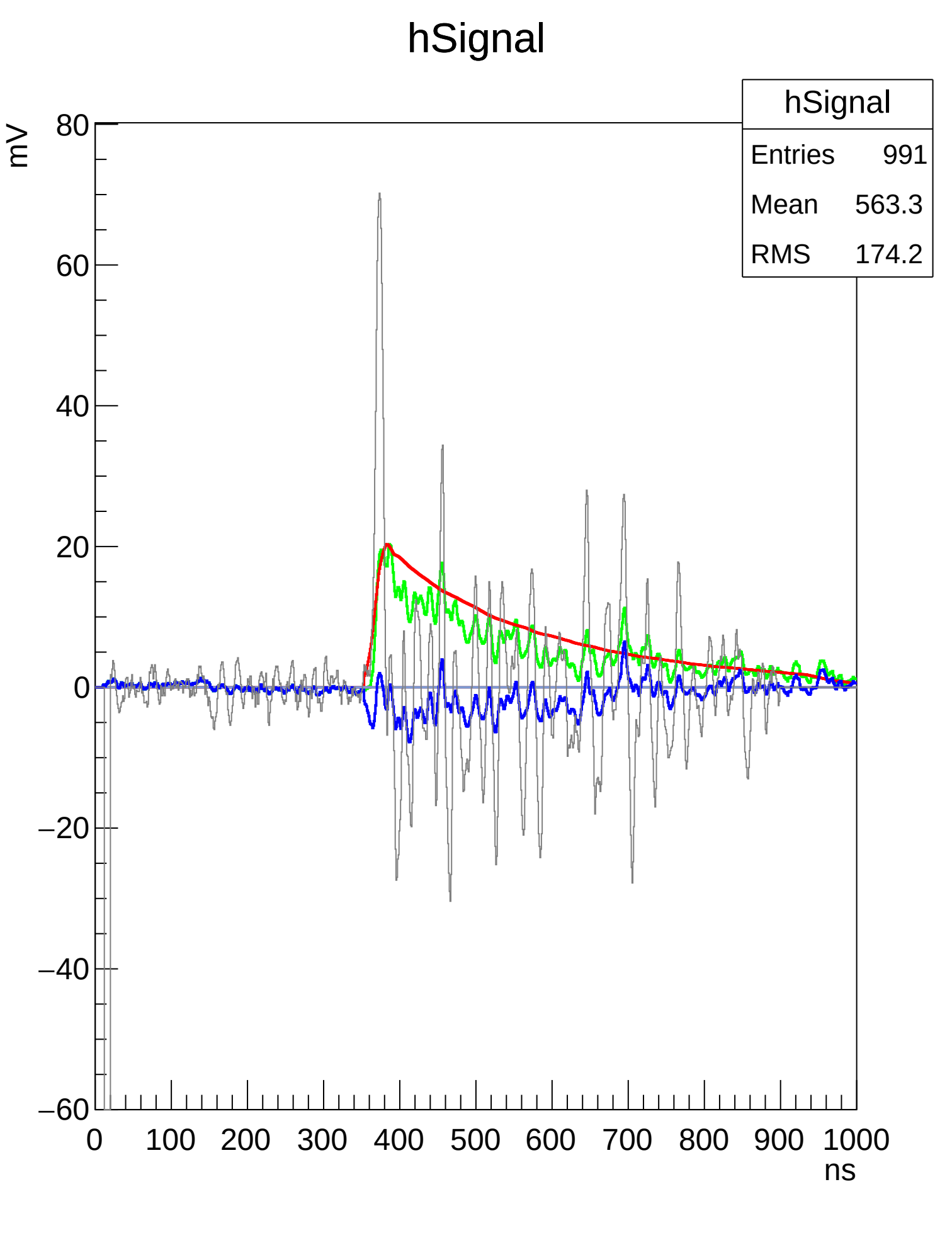
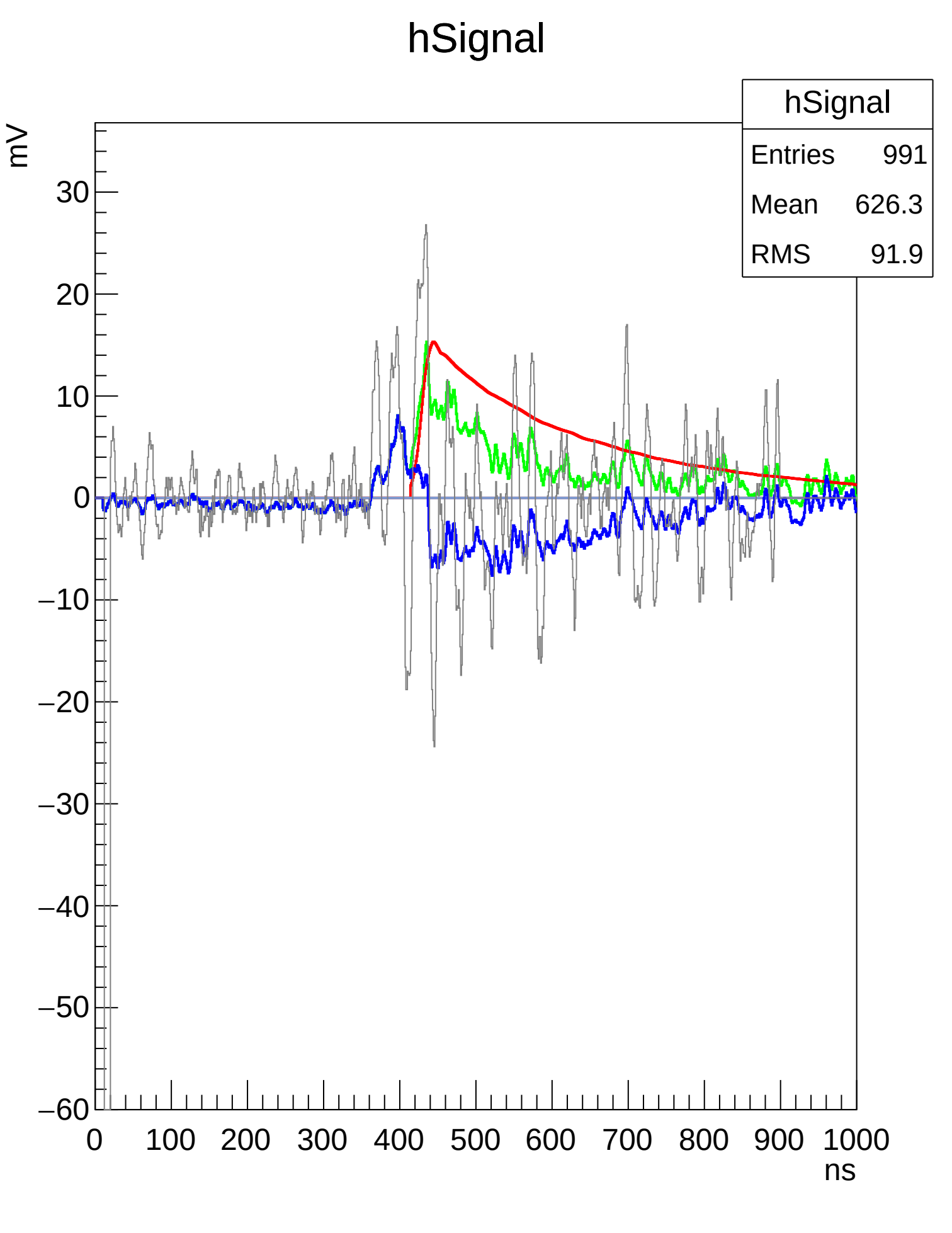
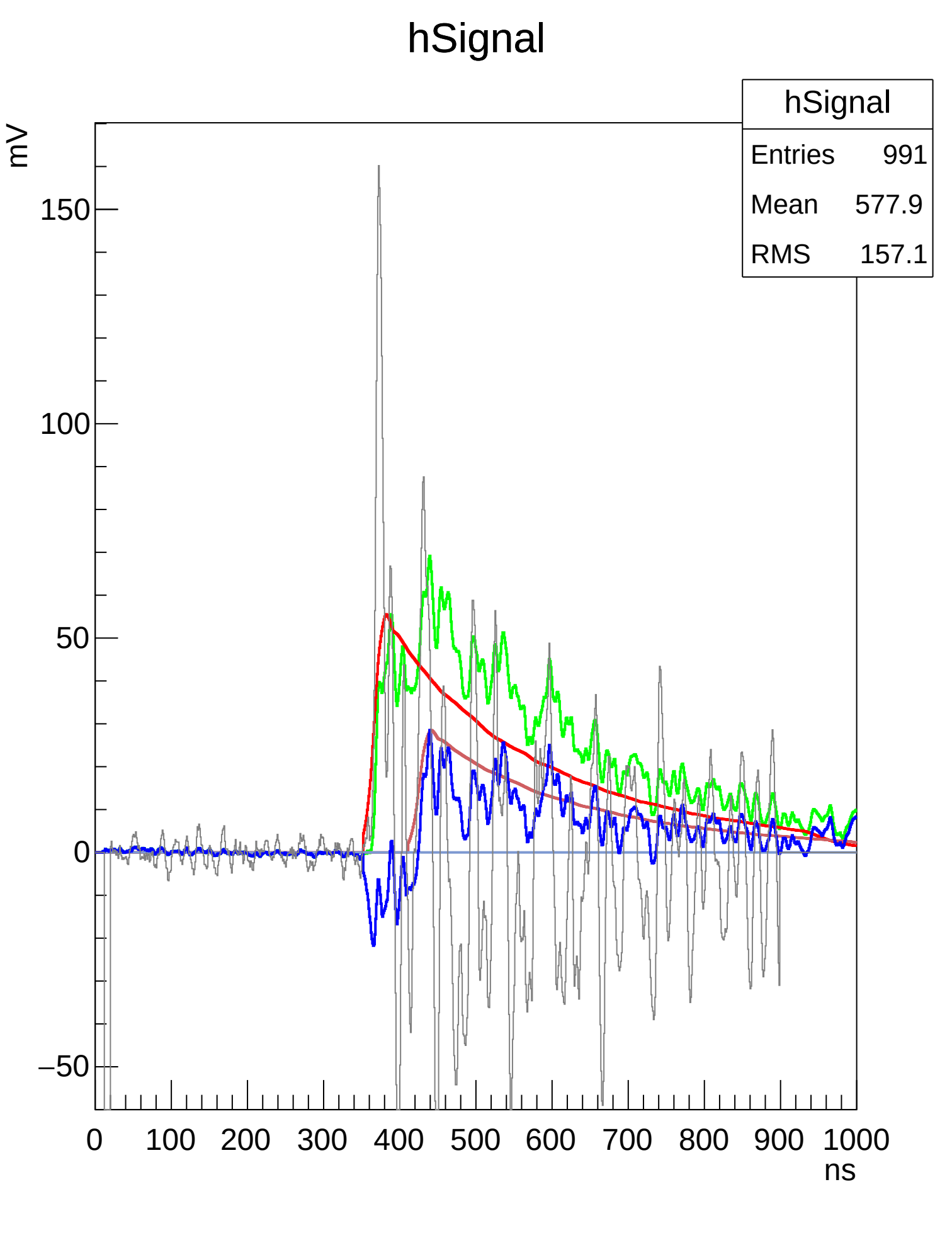
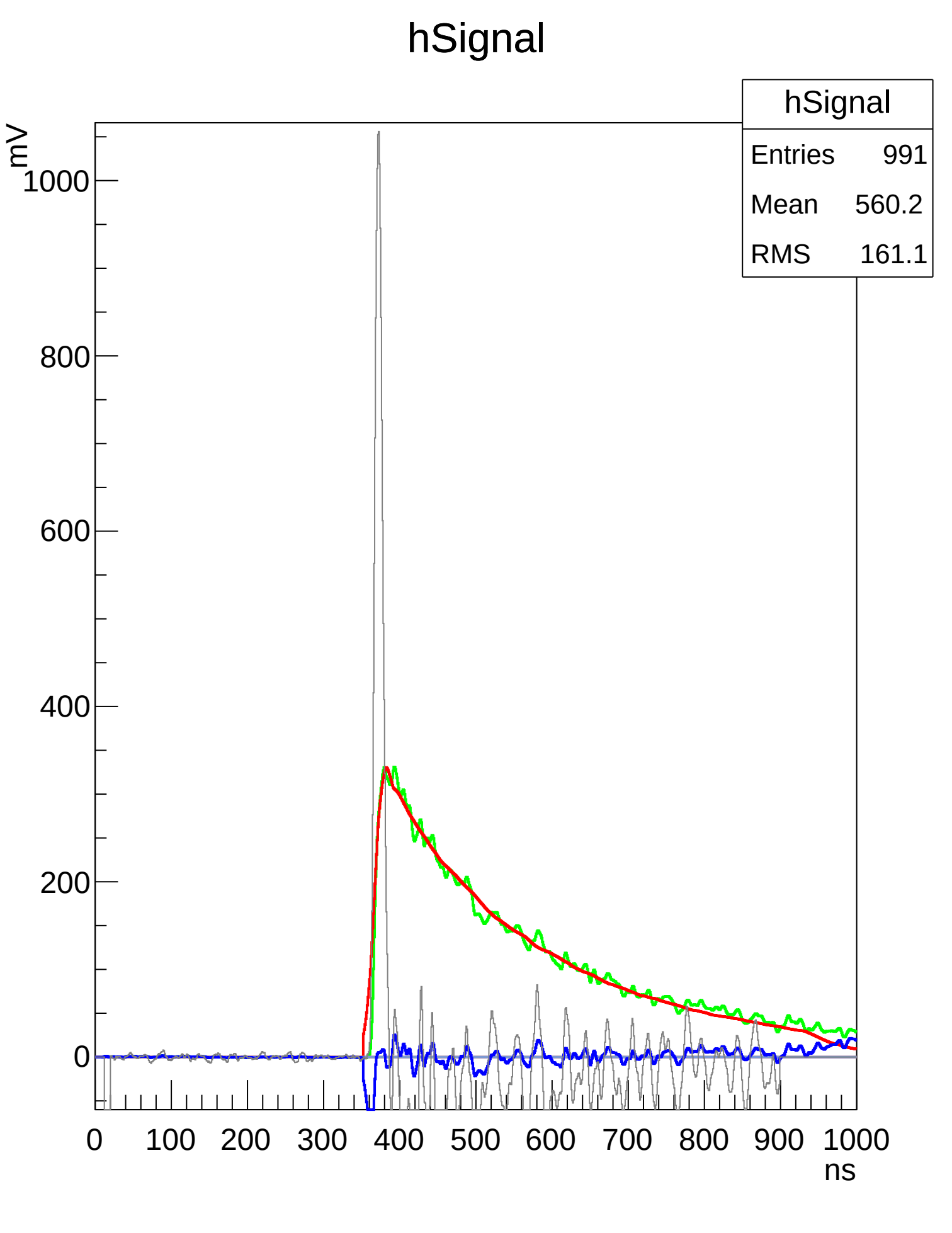
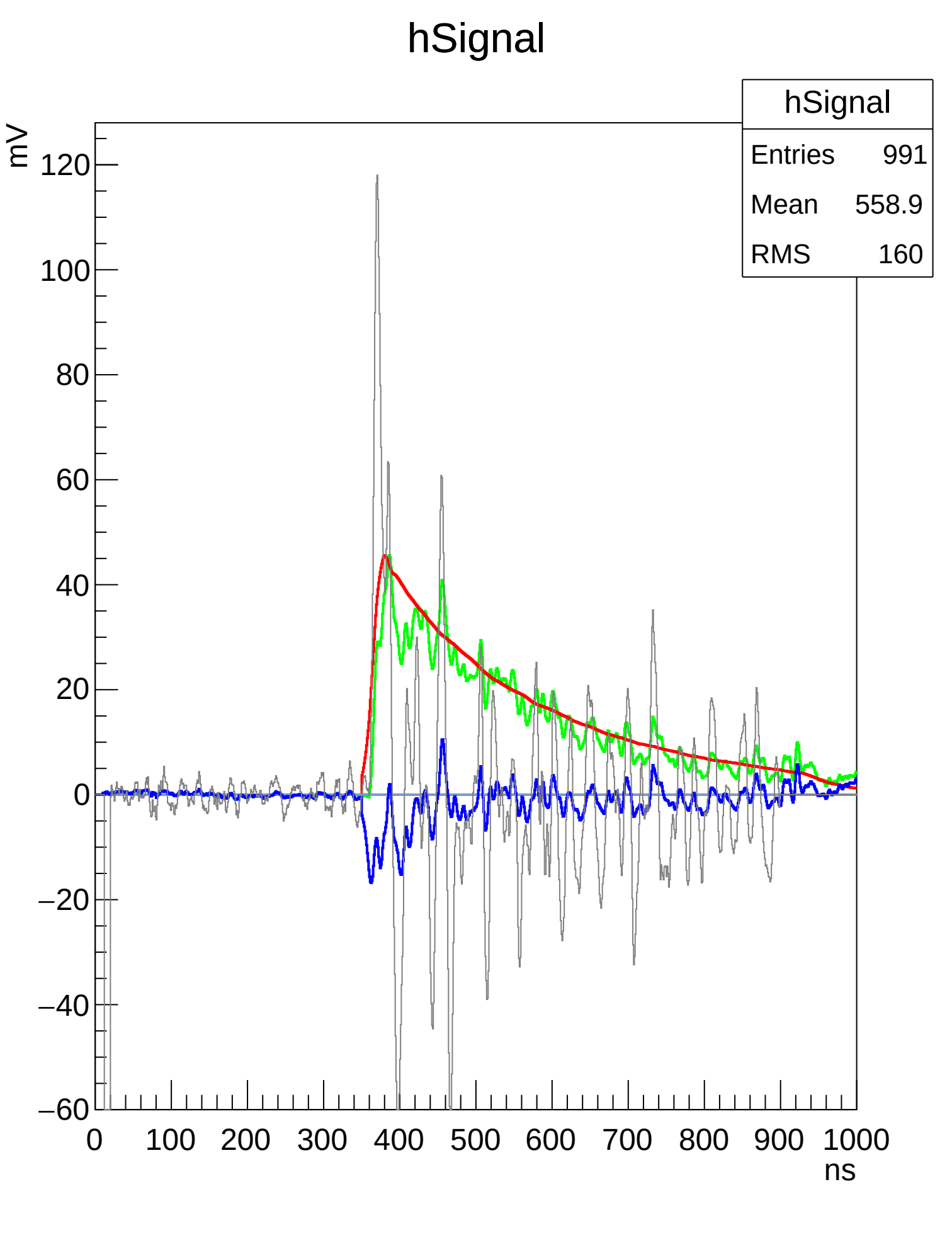
600
700
800
900
1000
ns

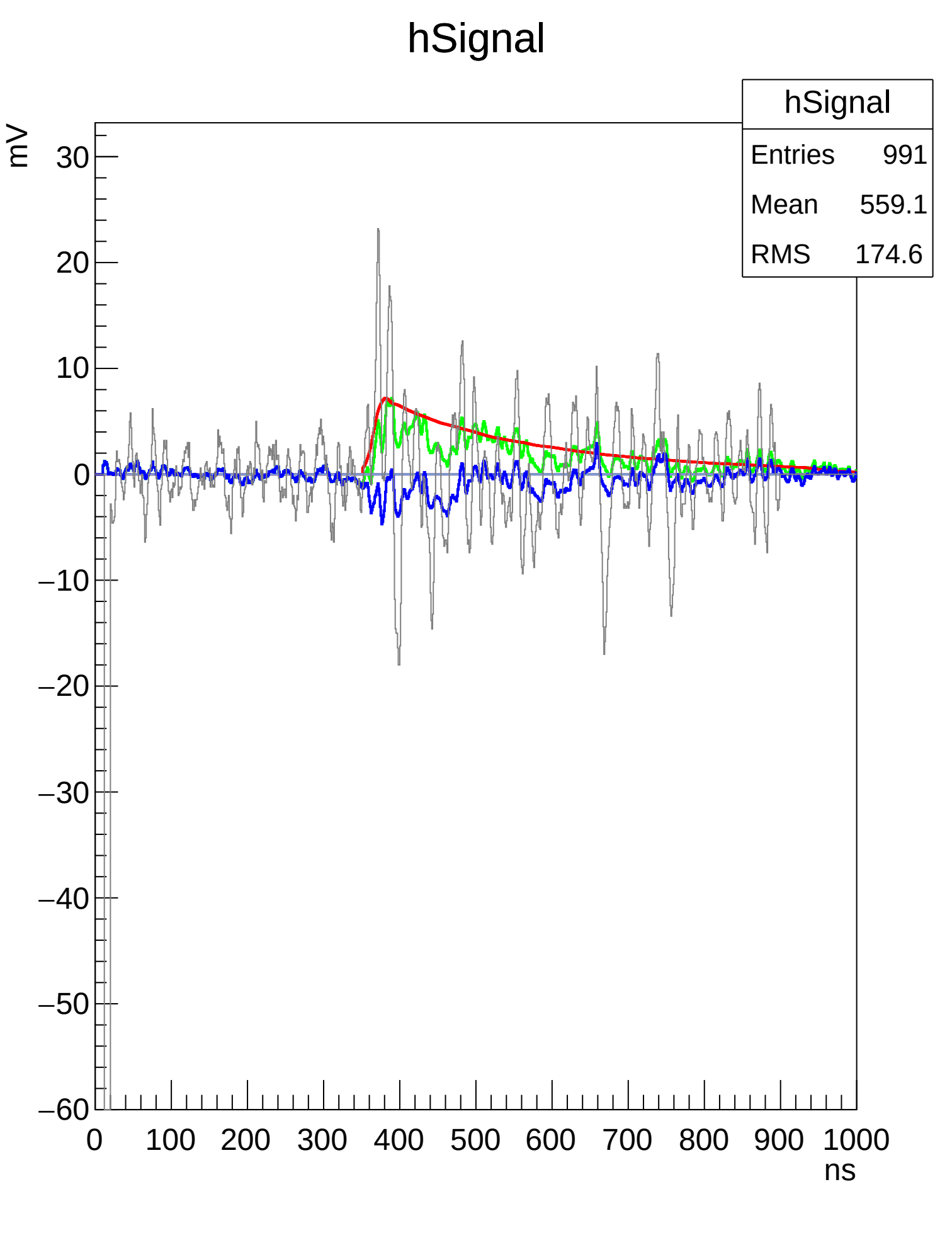

hSignal
hSignal
Entries 991
Mean 563.3
RMS 174.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

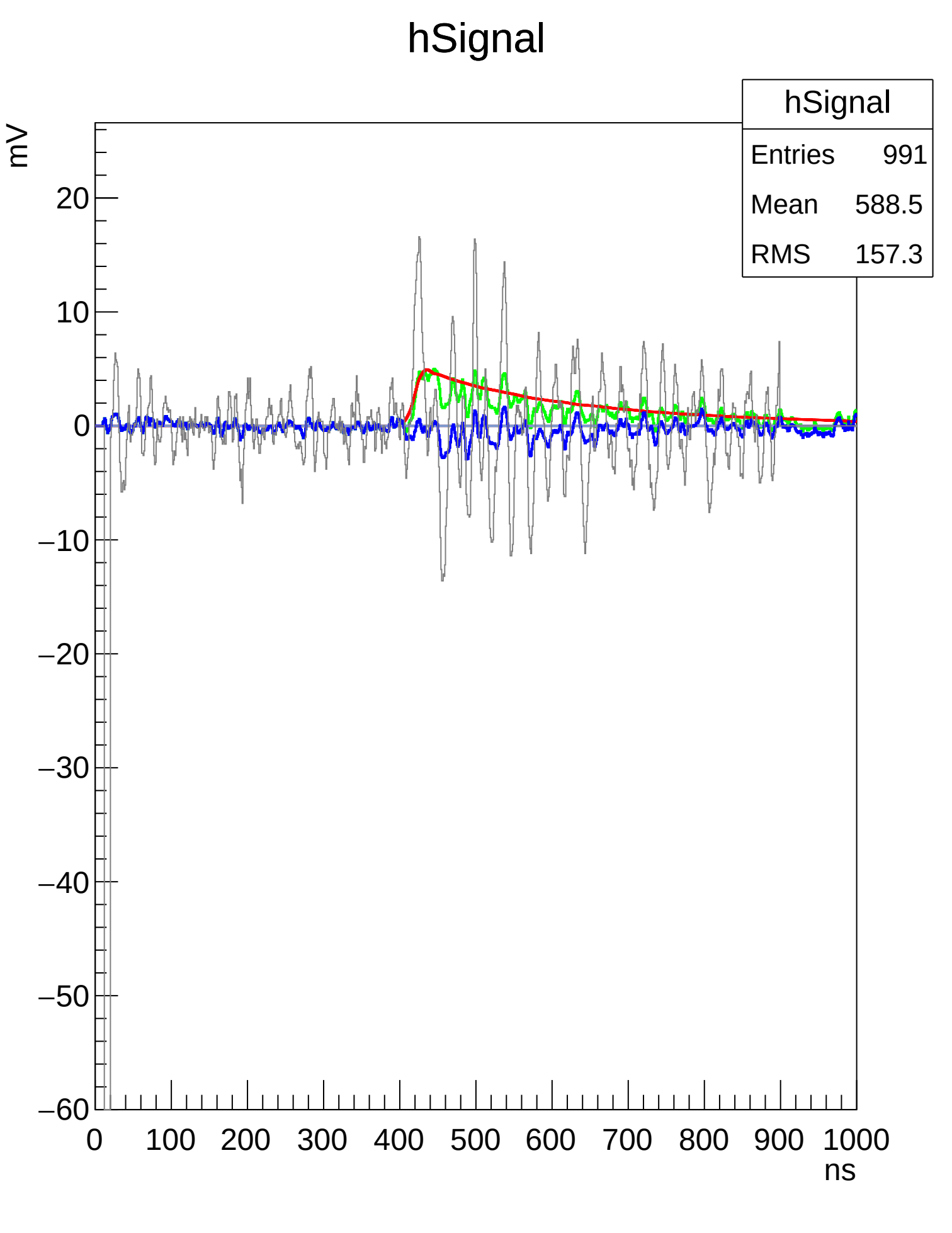

hSignal
hSignal
Entries 991
Mean 626.3
RMS 91.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

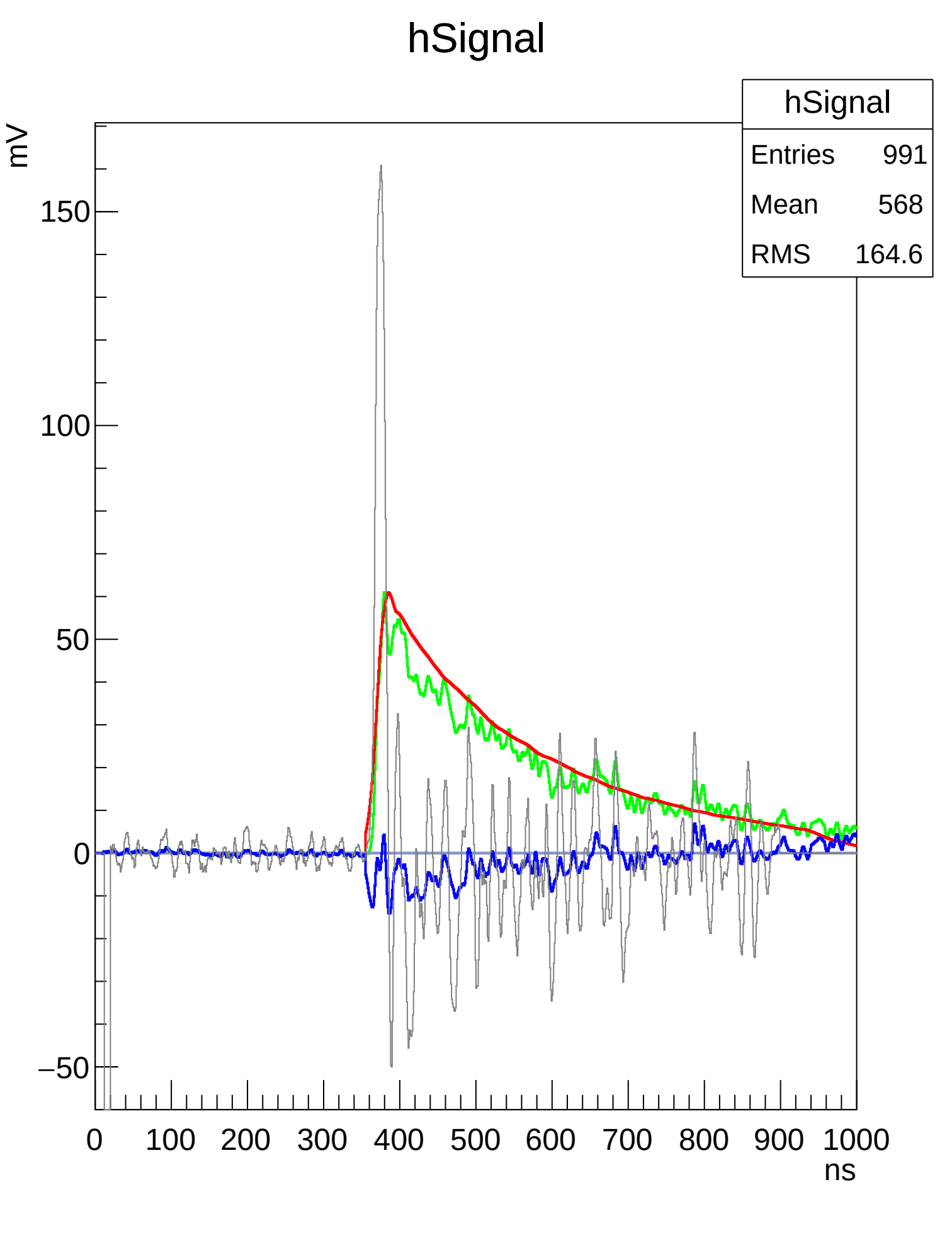

hSignal
hSignal
Entries 991
Mean 577.9
RMS 157.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

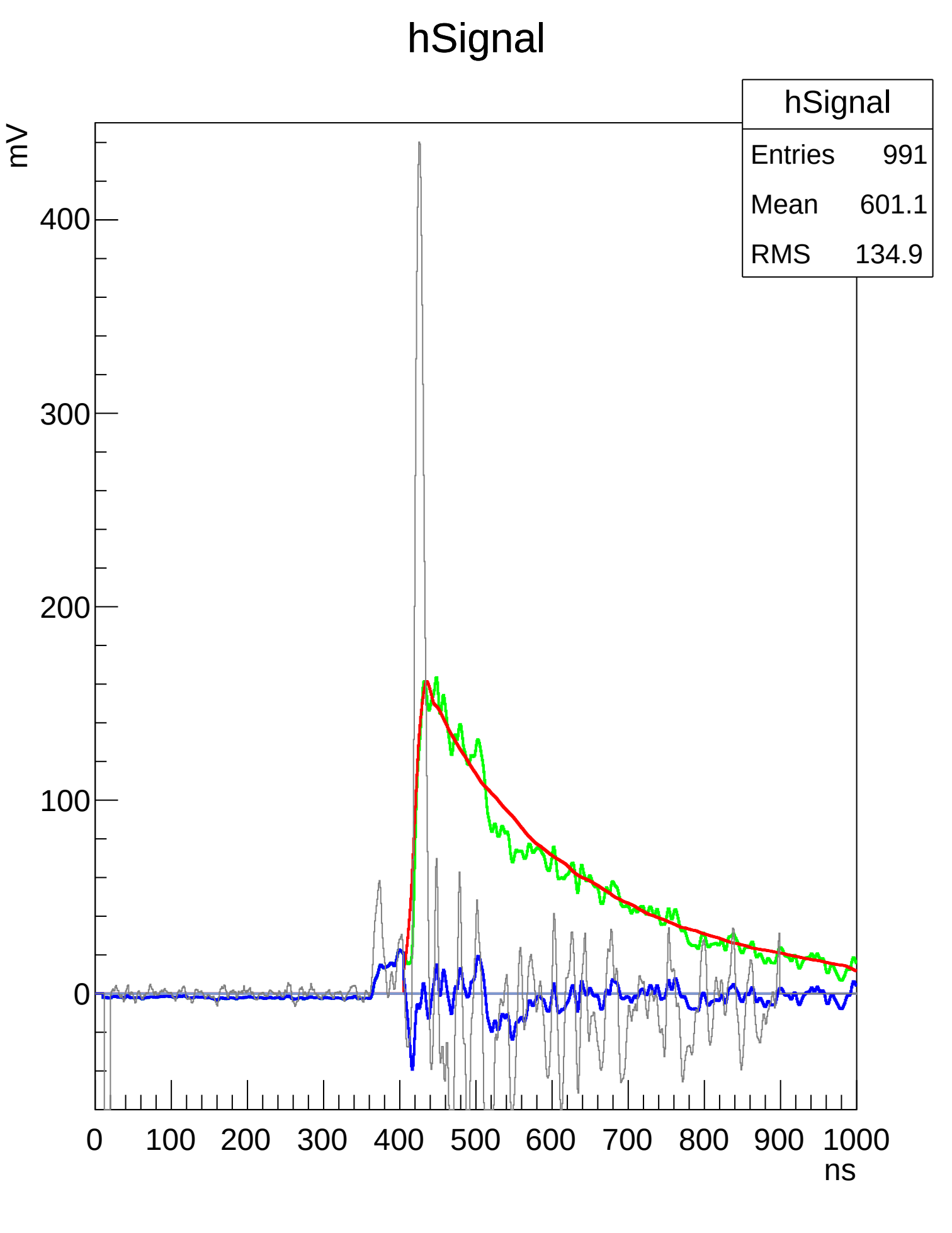

hSignal
hSignal
Entries 991
Mean 560.2
RMS 161.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

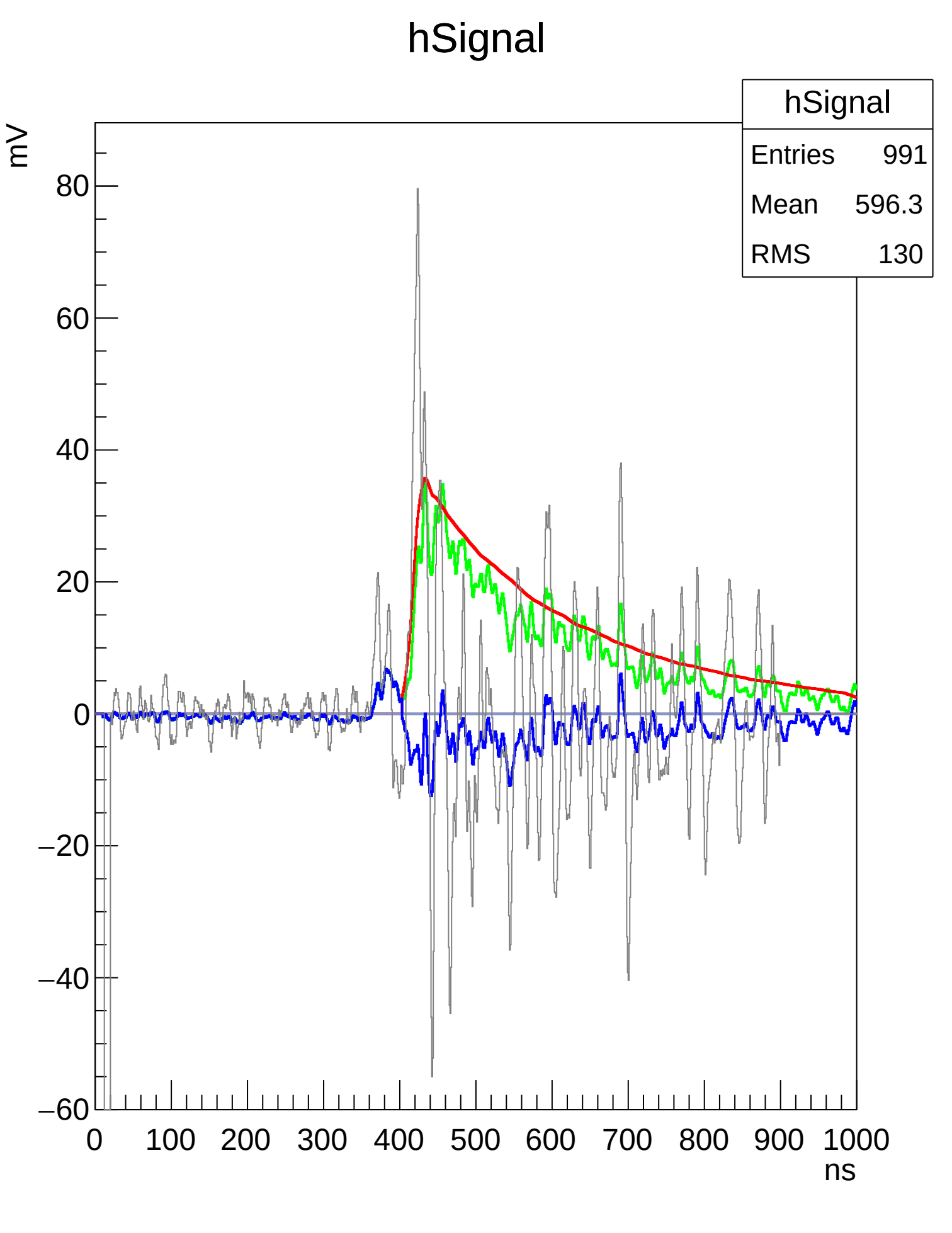

hSignal
hSignal
Entries 991
Mean 558.9
RMS 160
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

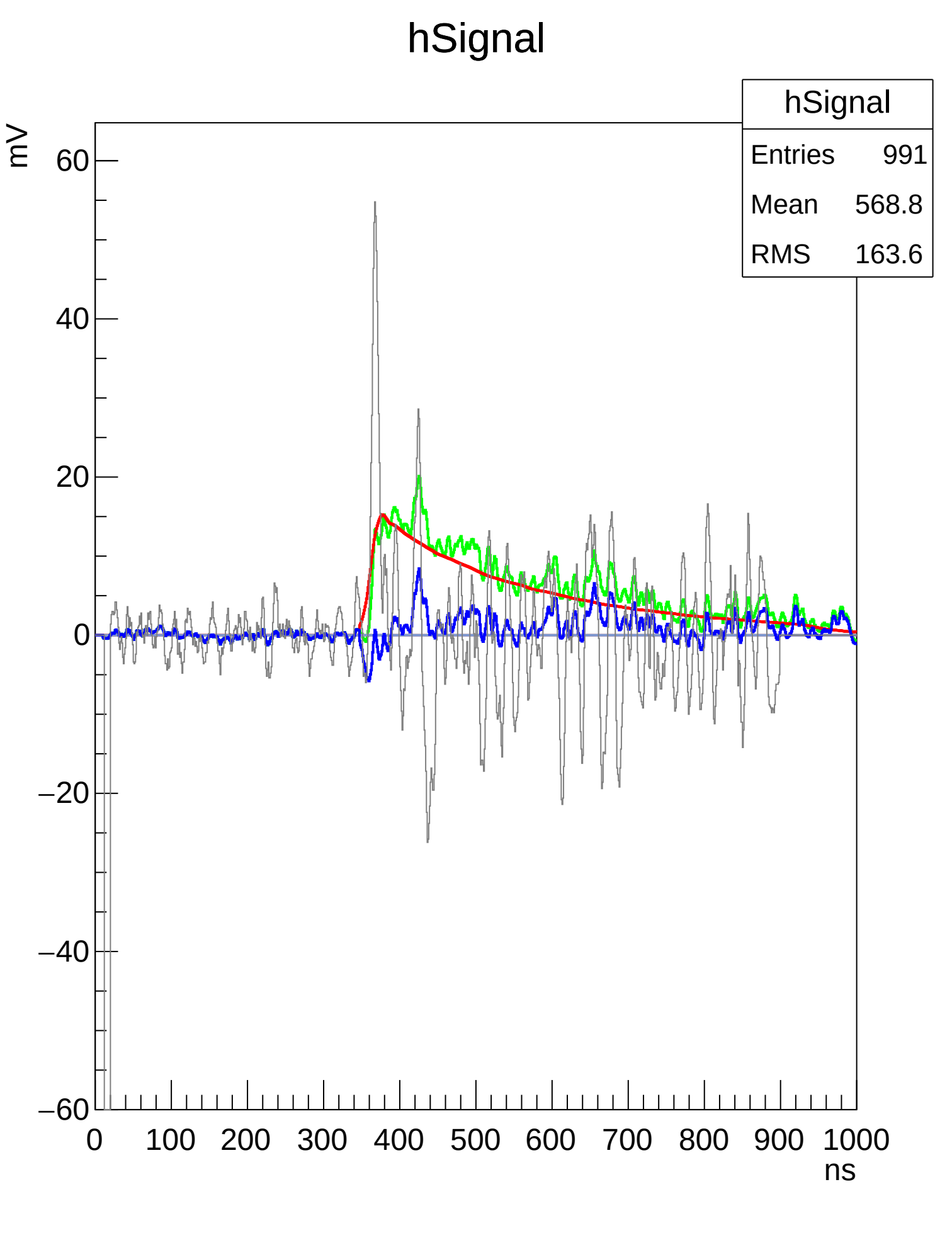

hSignal
hSignal
Entries 991
Mean 559.1
RMS 174.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.5
RMS 157.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568
RMS 164.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.1
RMS 134.9
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.3
RMS 130
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.8
RMS 163.6
mV
60
40
20
0
−20
−40
−60
0
100
200
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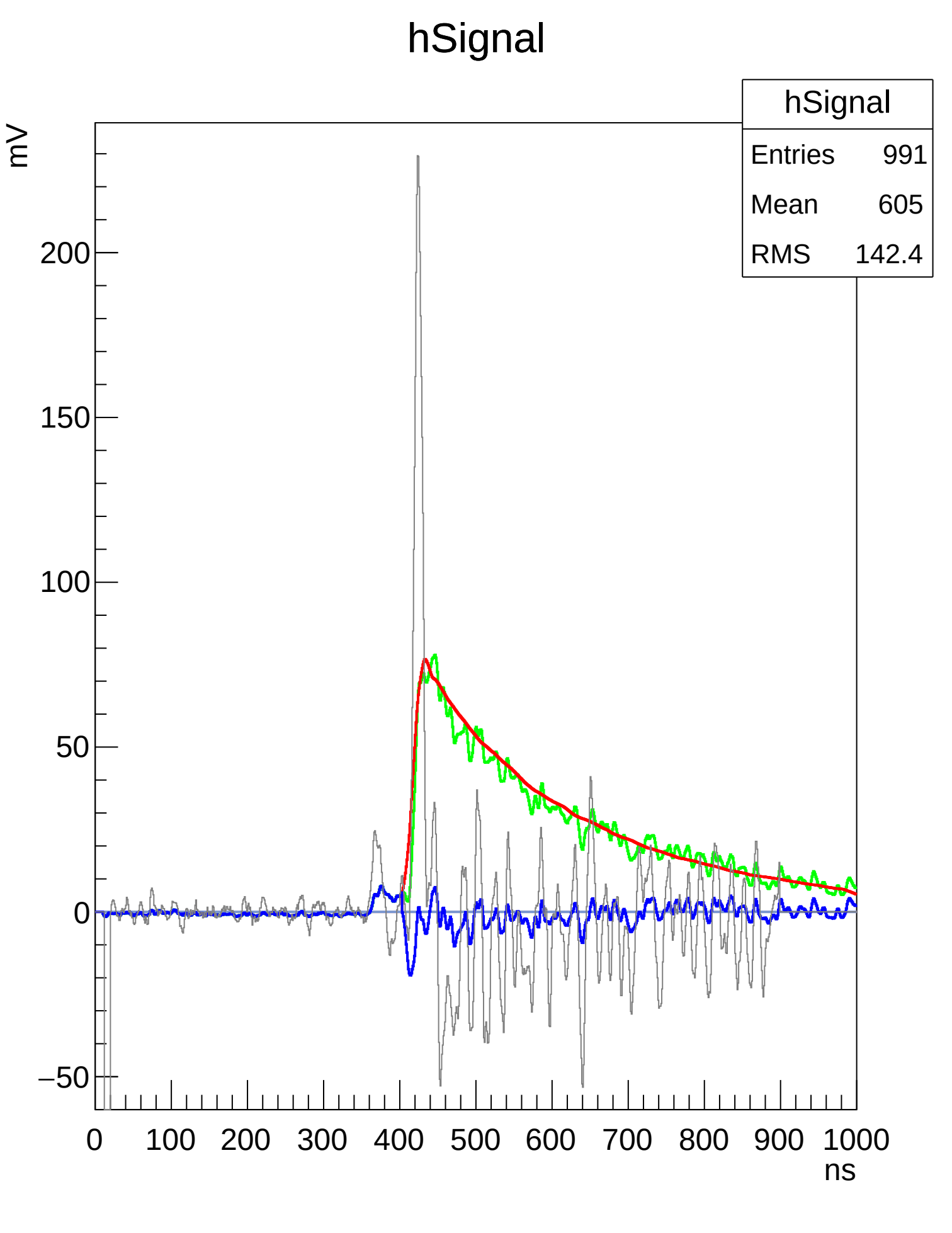
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605
RMS 142.4
mV
200
150
100
50
0
−50
0
100
200
300
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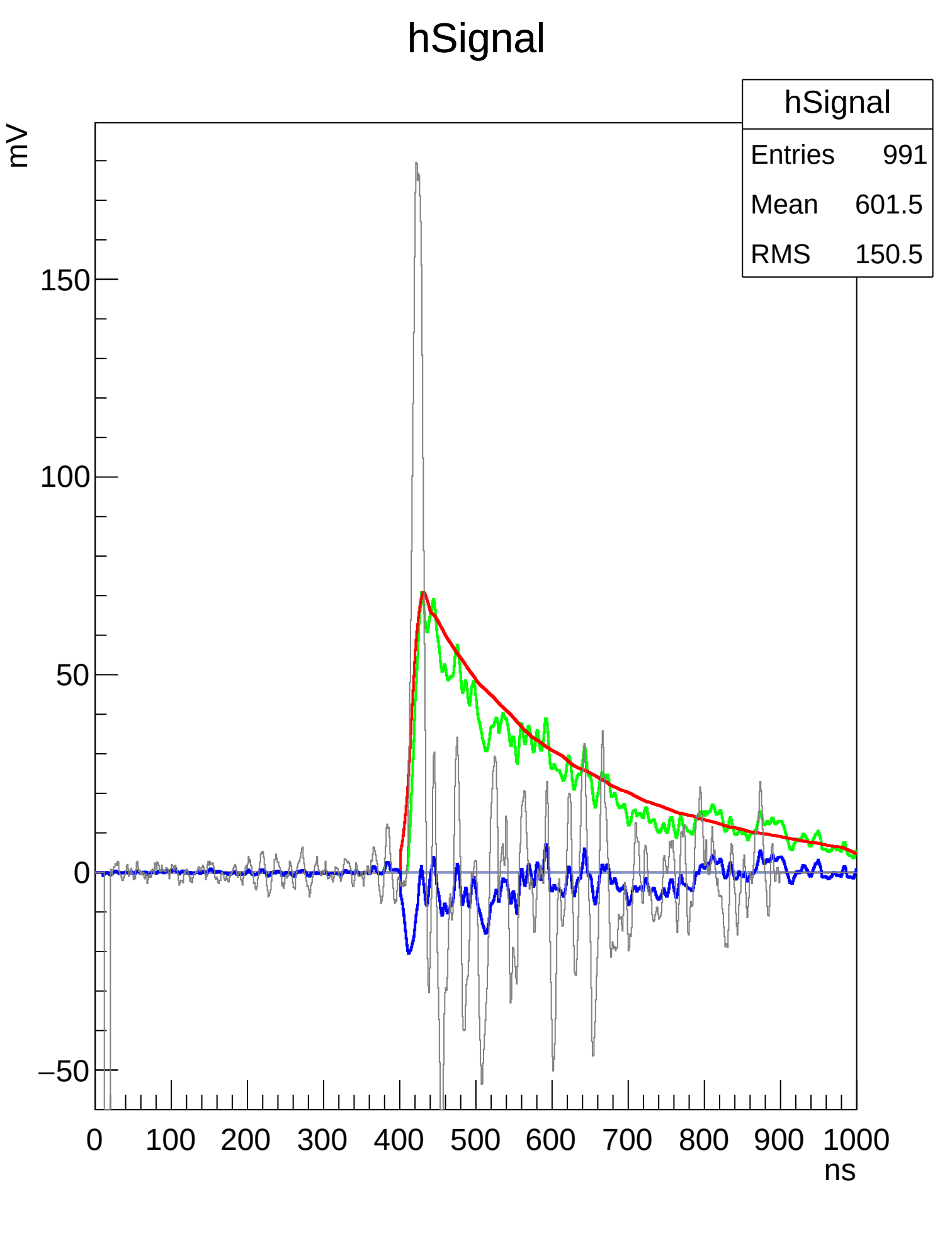
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.5
RMS 150.5
mV
150
100
50
0
−50
0
100
200
300
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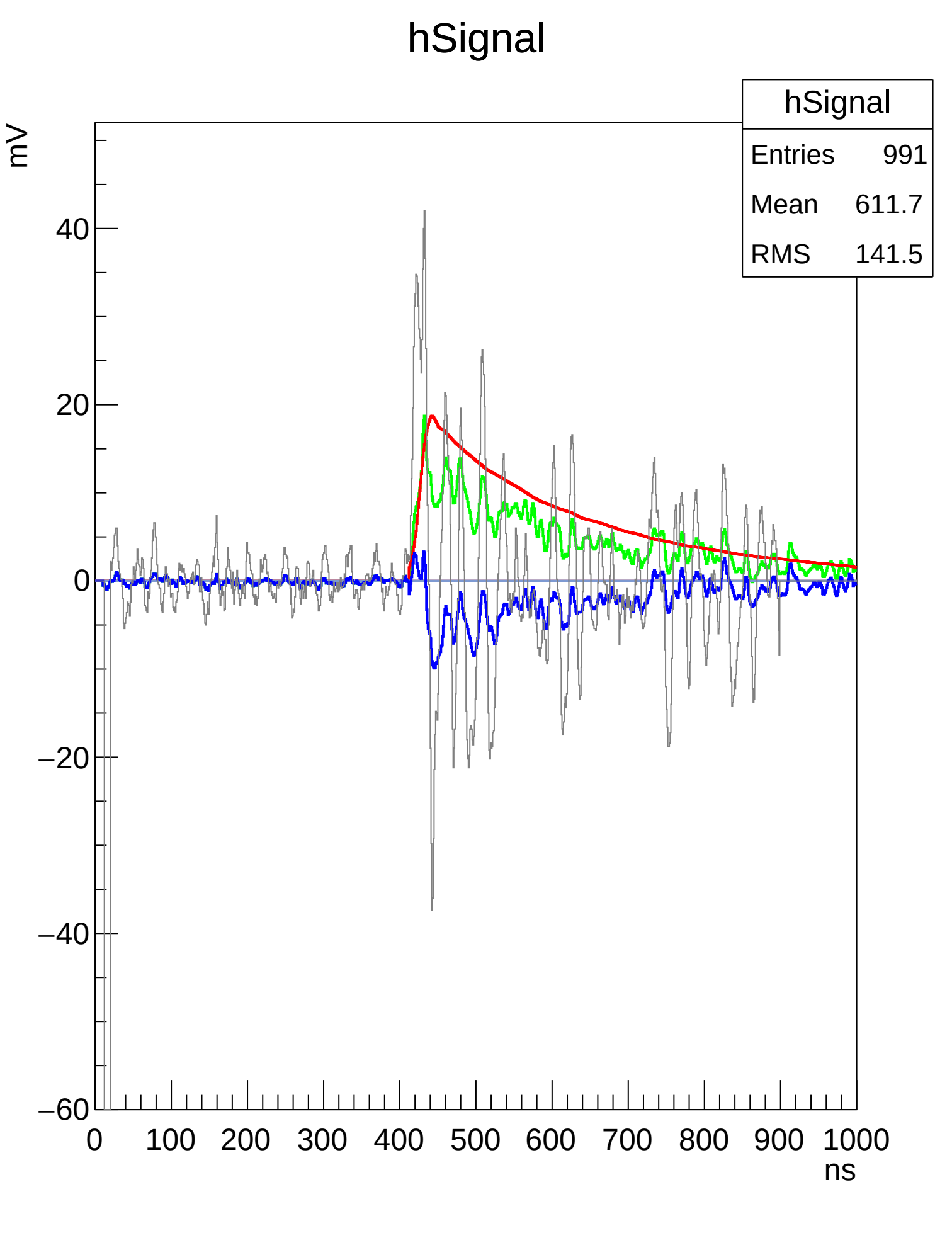
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.7
RMS 141.5
mV
40
20
0
−20
−40
−60
0
100
200
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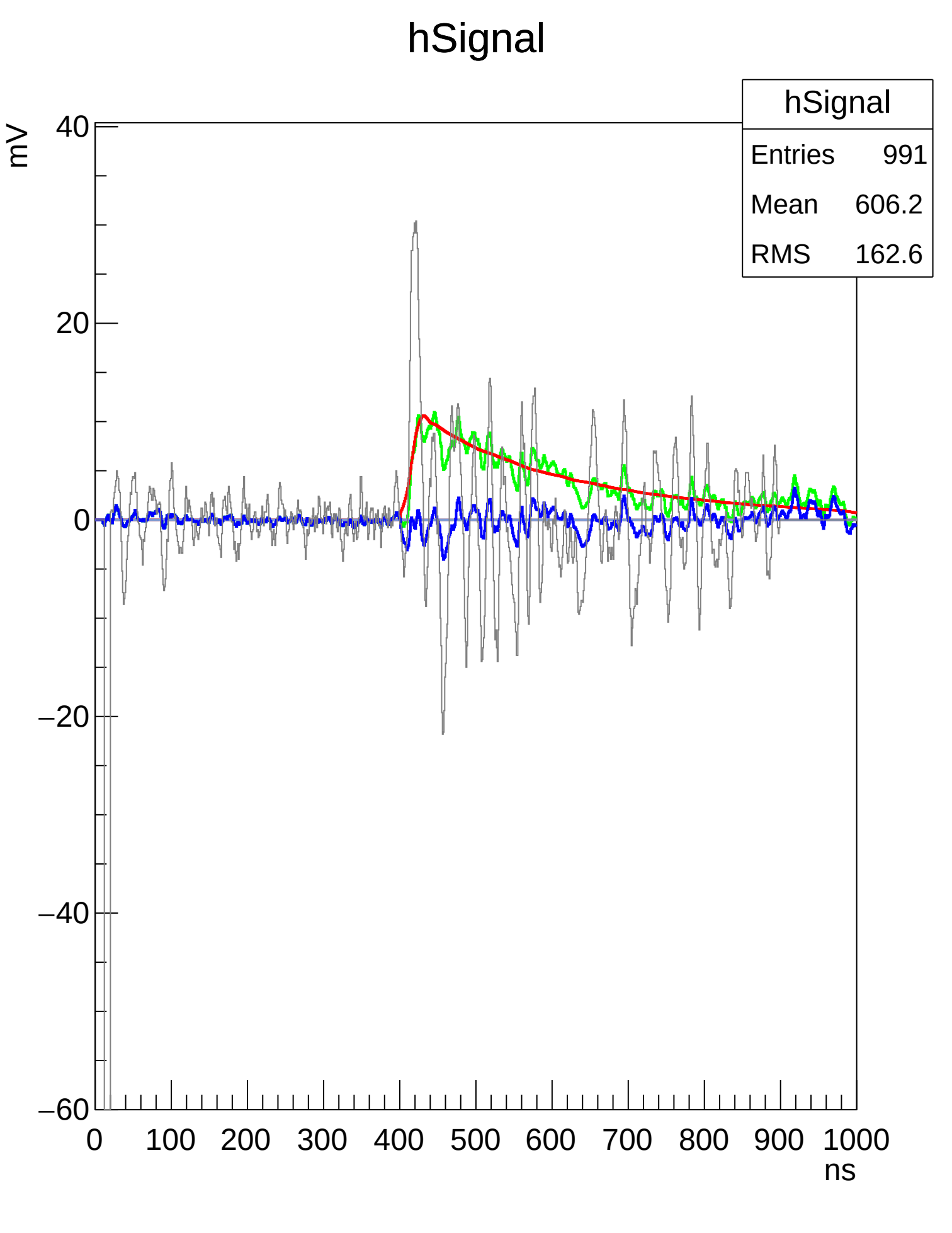
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.2
RMS 162.6
mV
40
20
0
−20
−40
−60
0
100
200
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600
700
800
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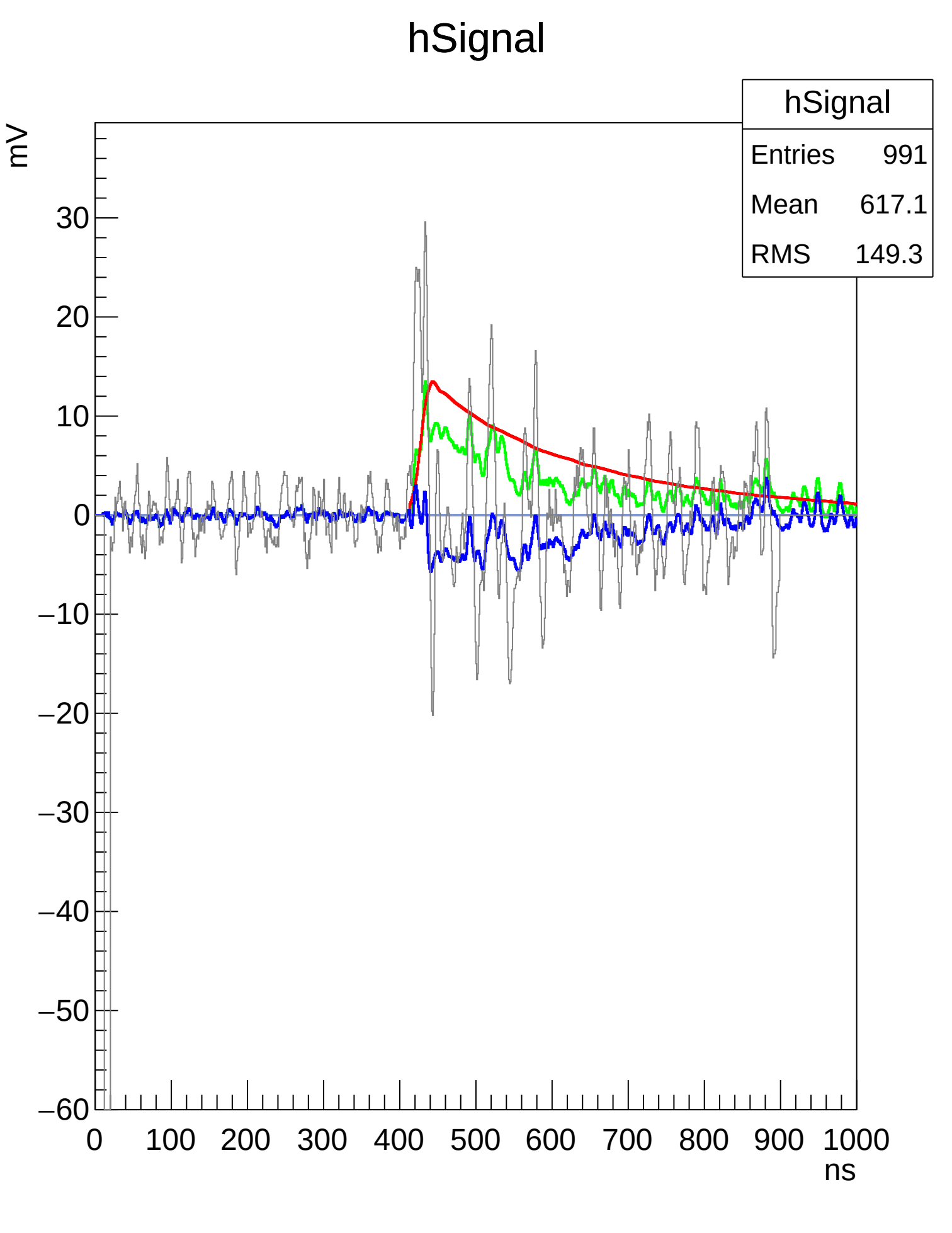
1000
ns


hSignal
hSignal
Entries 991
Mean 617.1
RMS 149.3
mV
30
20
10
0
−10
−20
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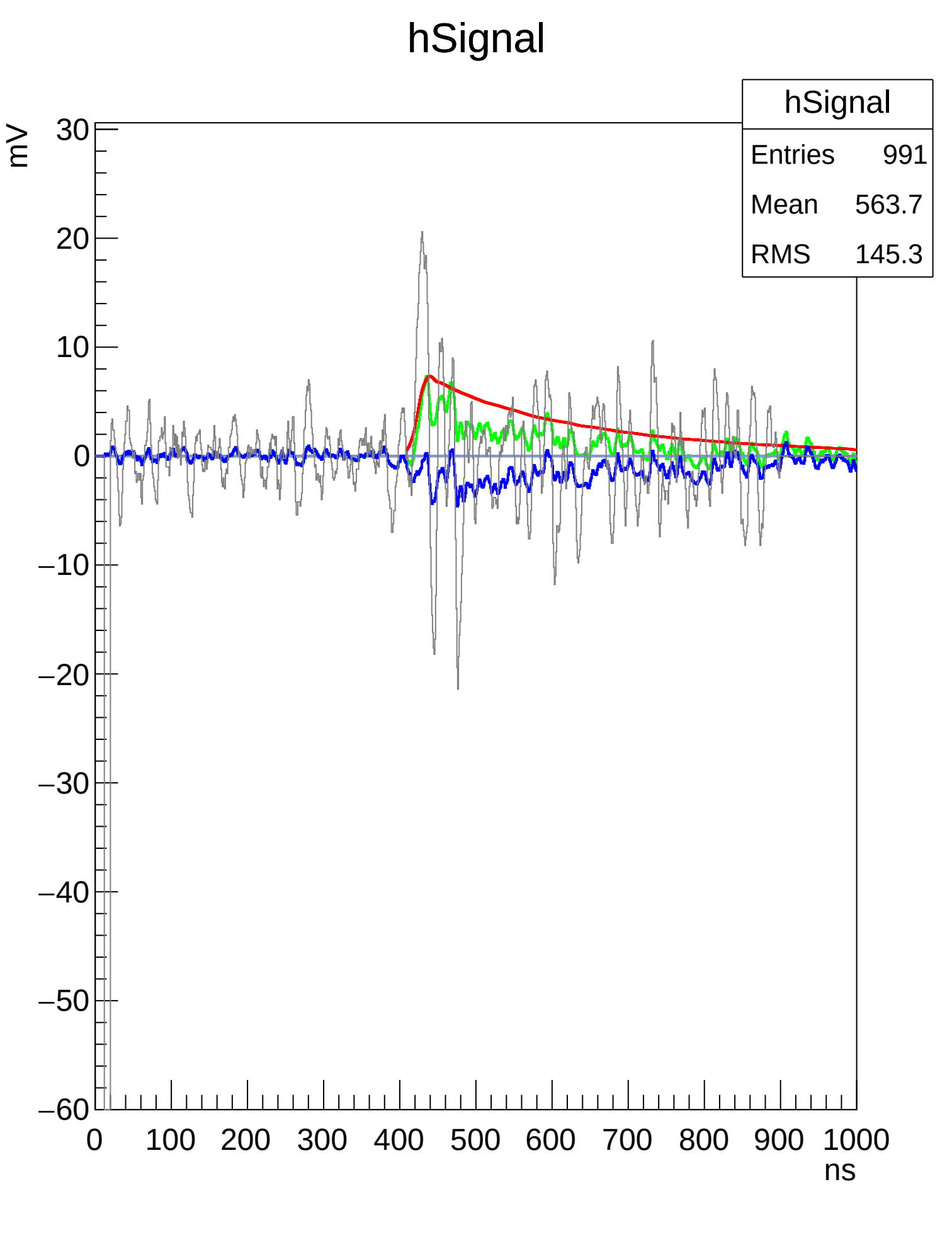
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.7
RMS 145.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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800
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1000
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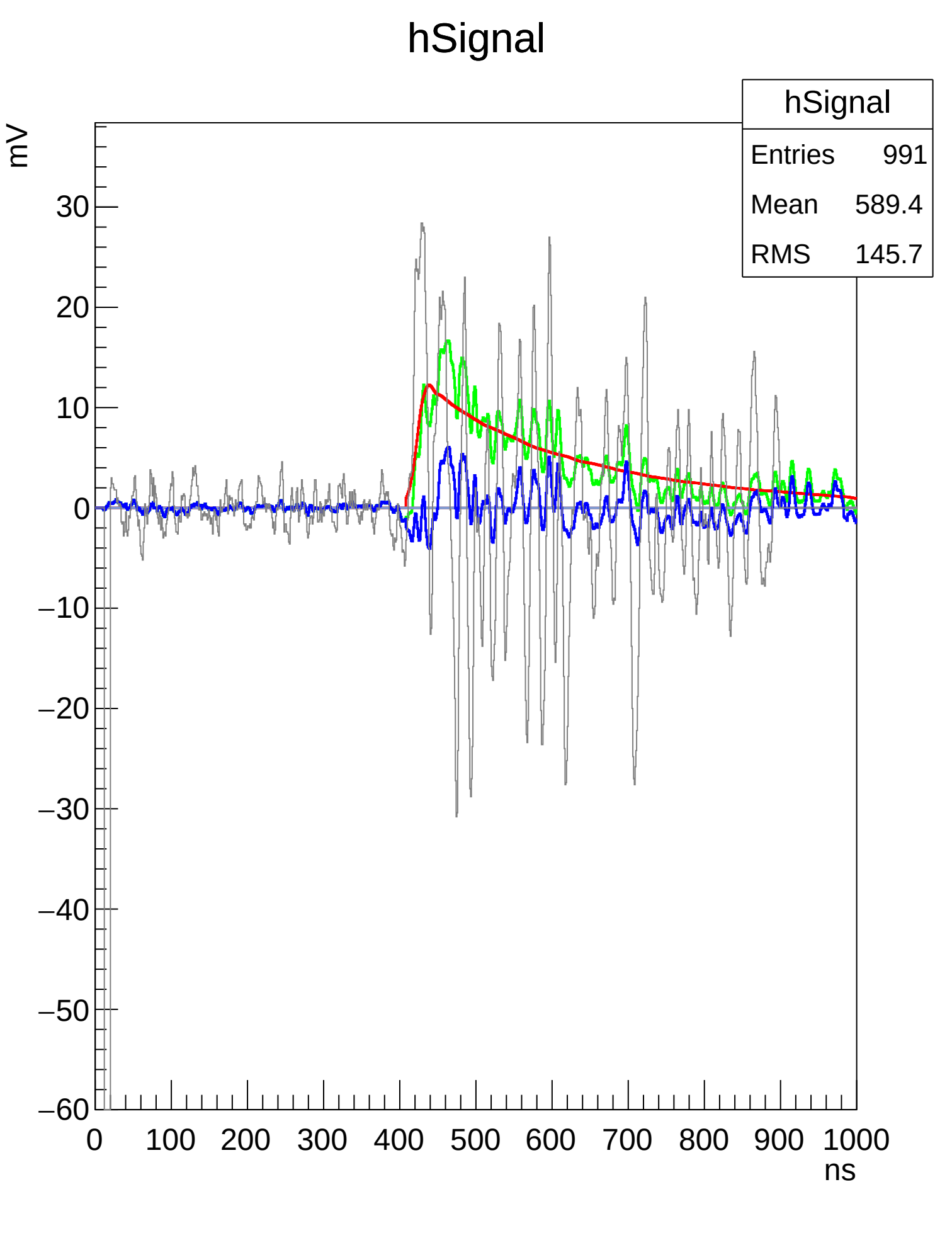
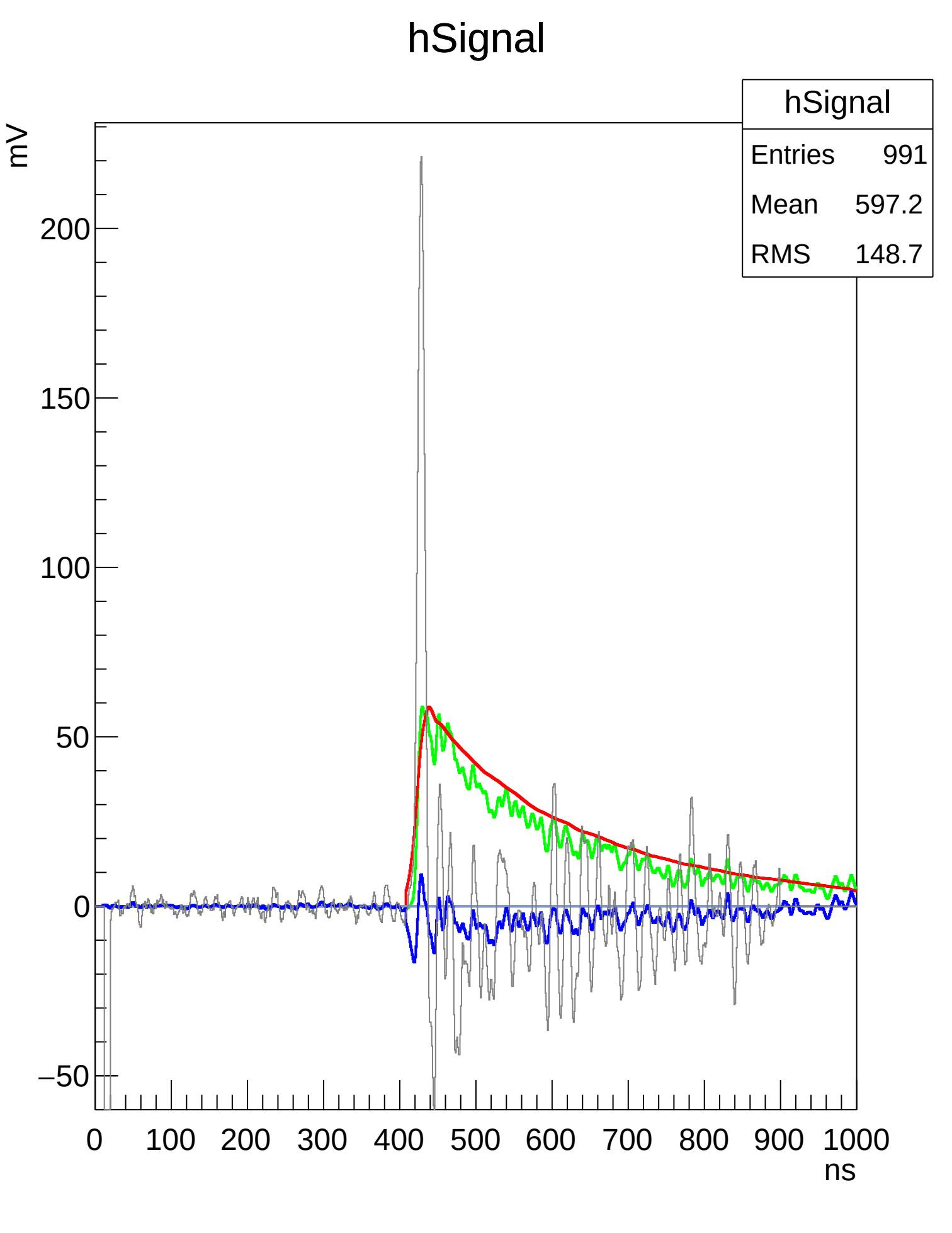

hSignal
hSignal
Entries 991
Mean 589.4
RMS 145.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.2
RMS 148.7
mV
200
150
100
50
0
−50
0
100
200
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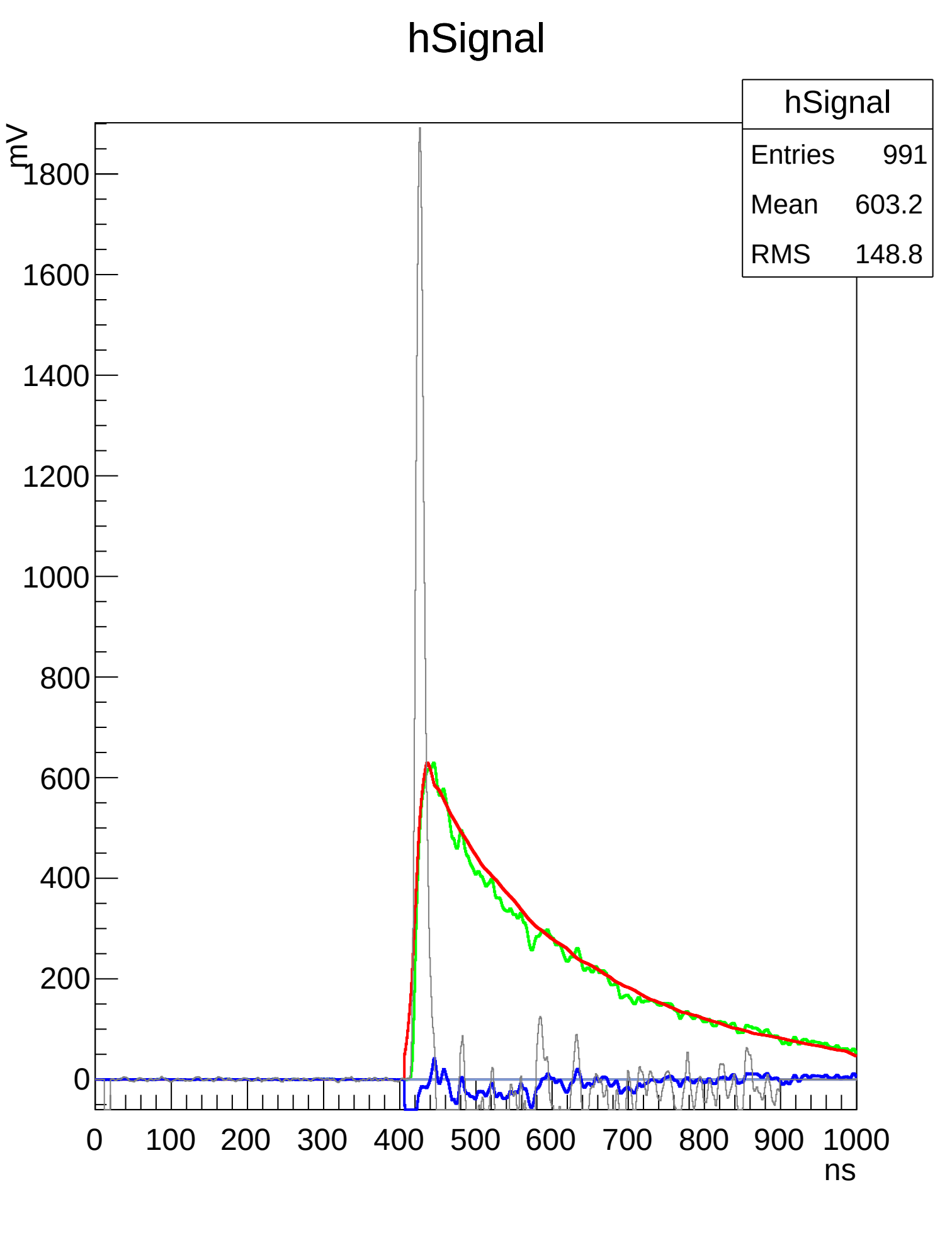
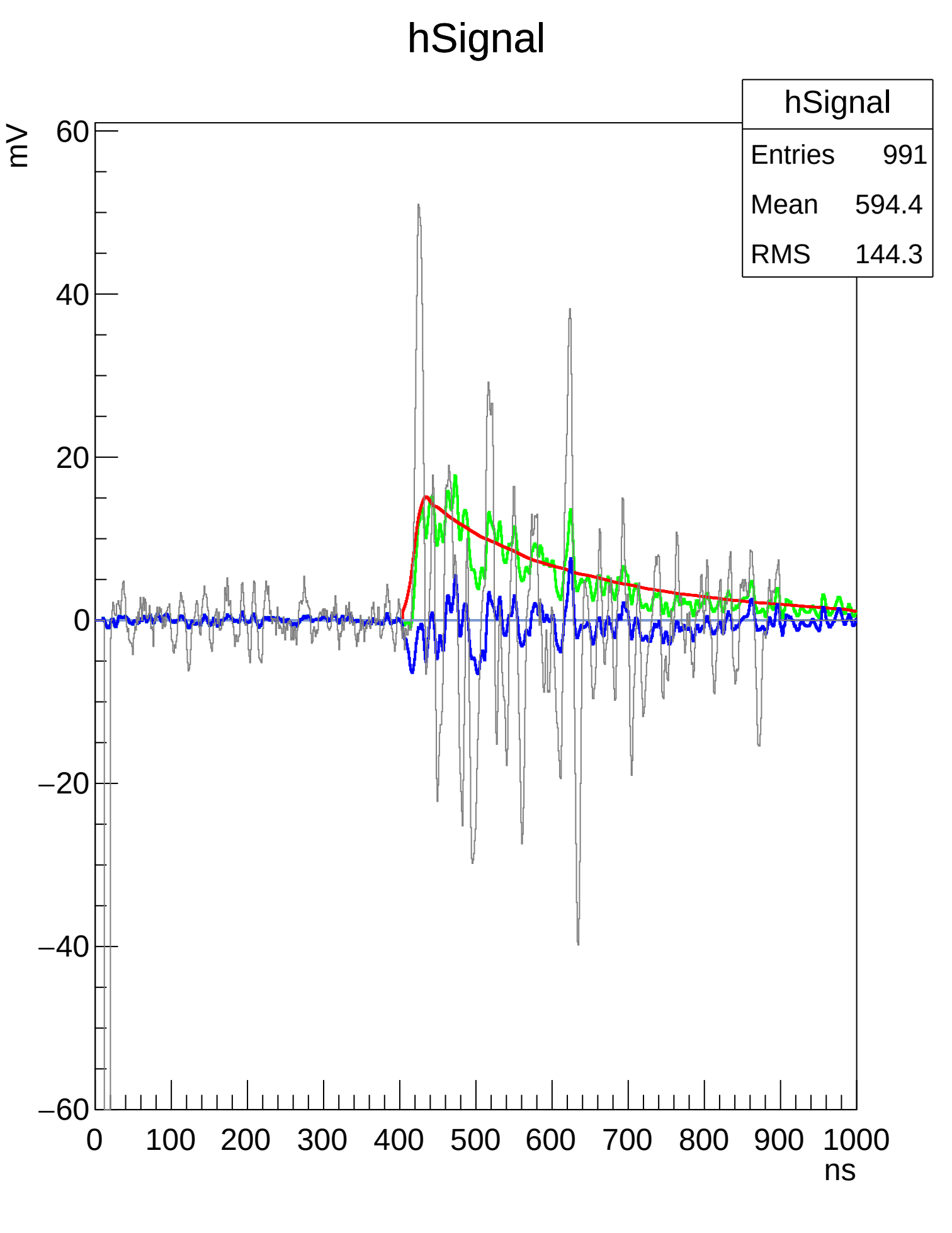
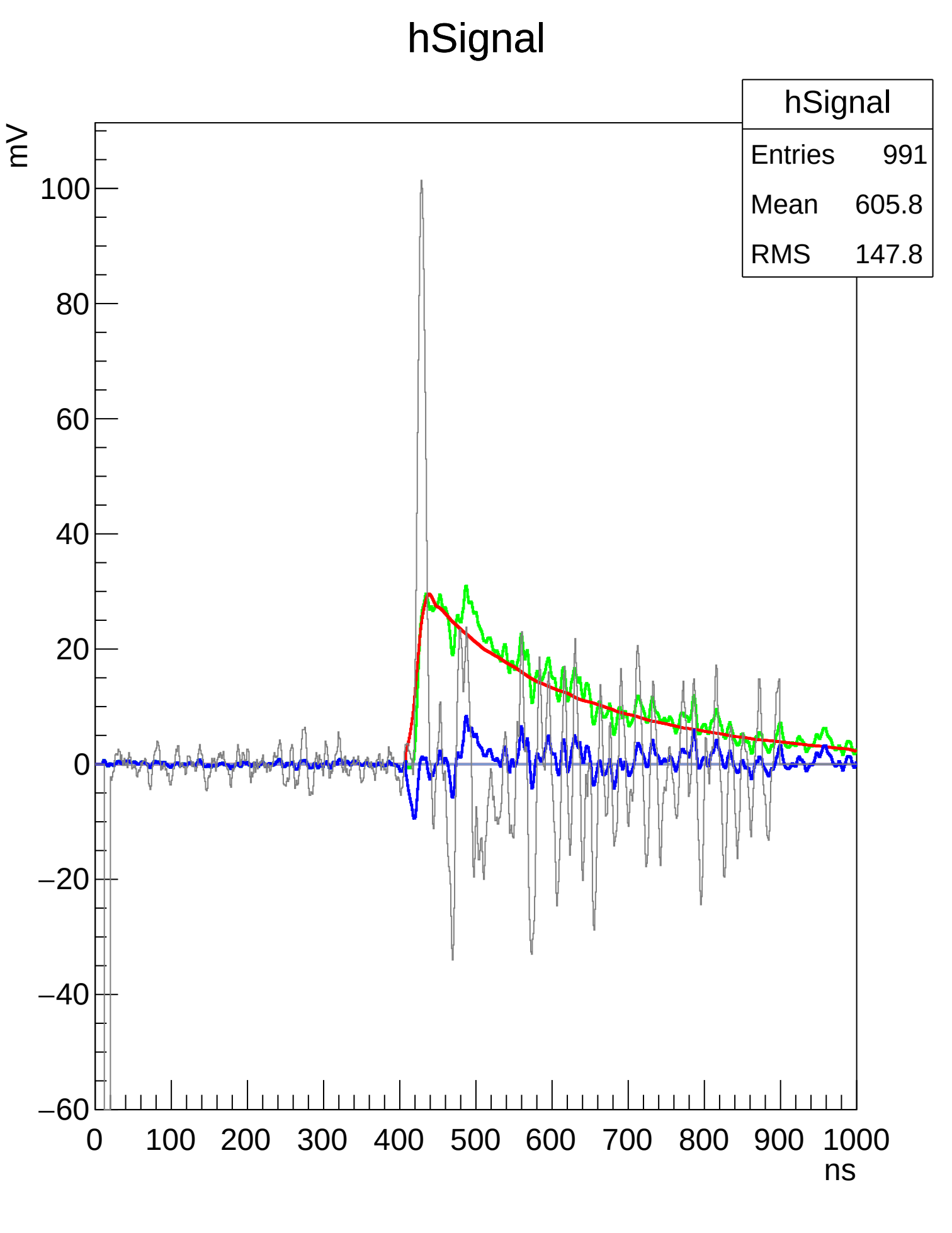
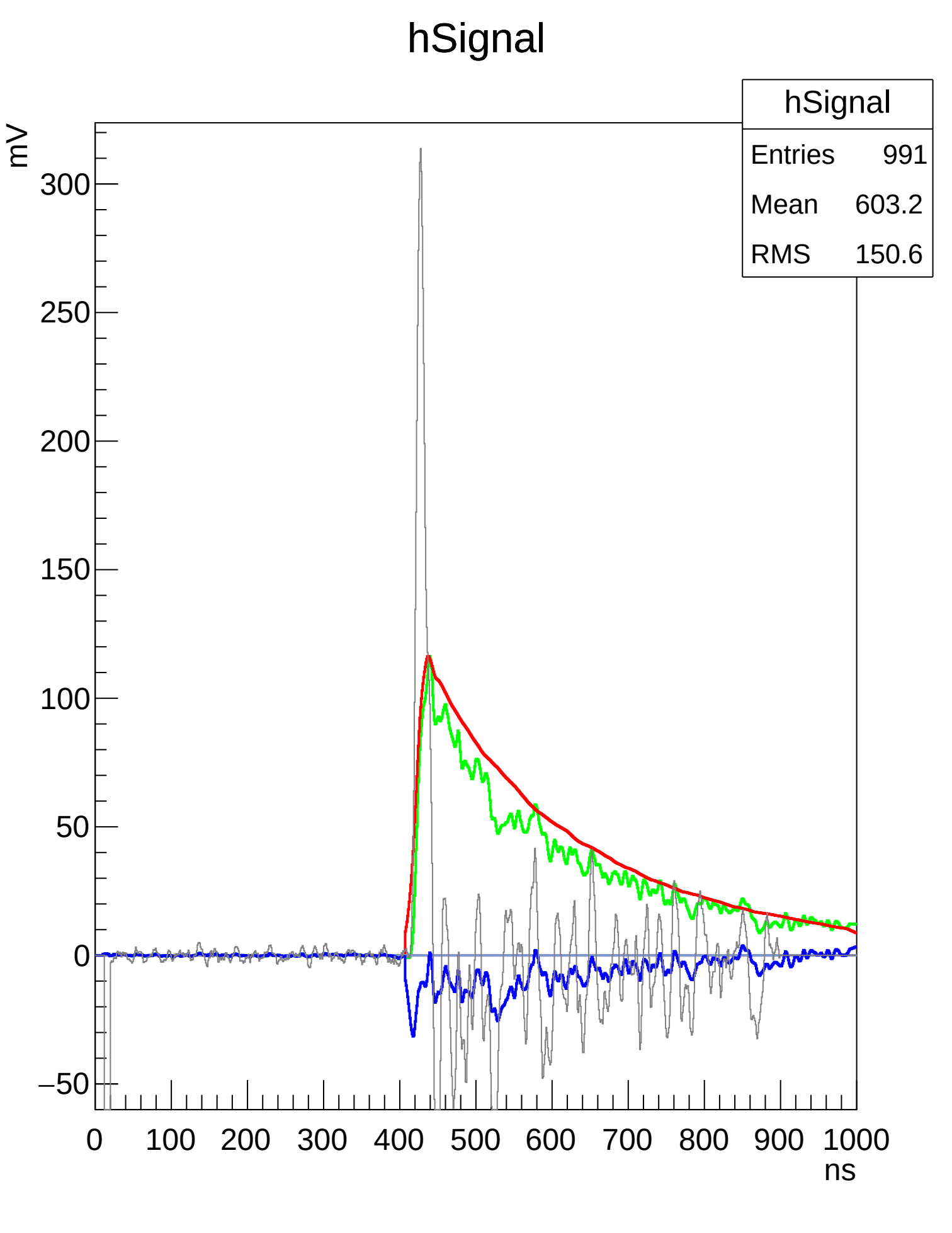
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.2
RMS 148.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.4
RMS 144.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.8
RMS 147.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.2
RMS 150.6
mV
300
250
200
150
100
50
0
−50
0
100
200
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400
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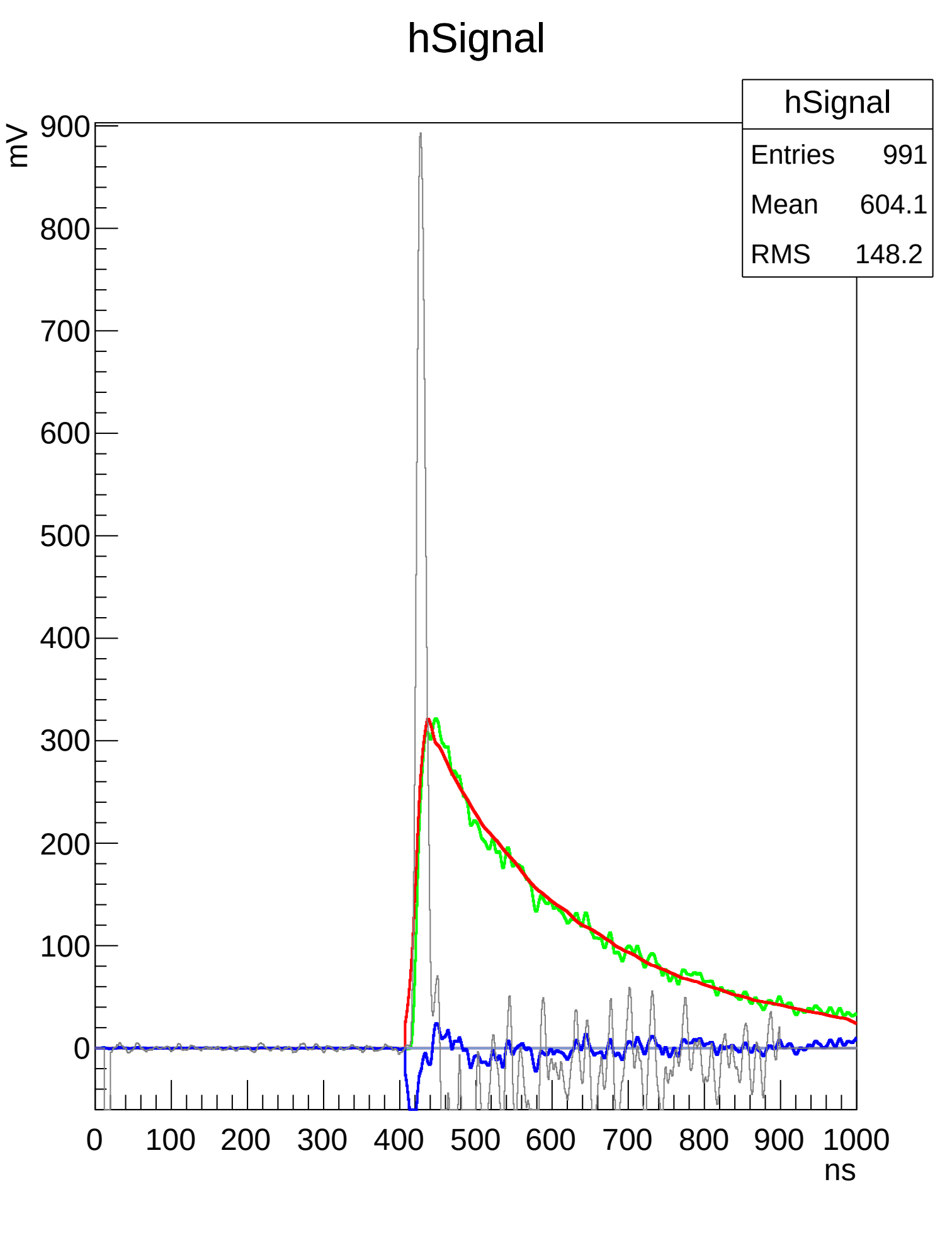
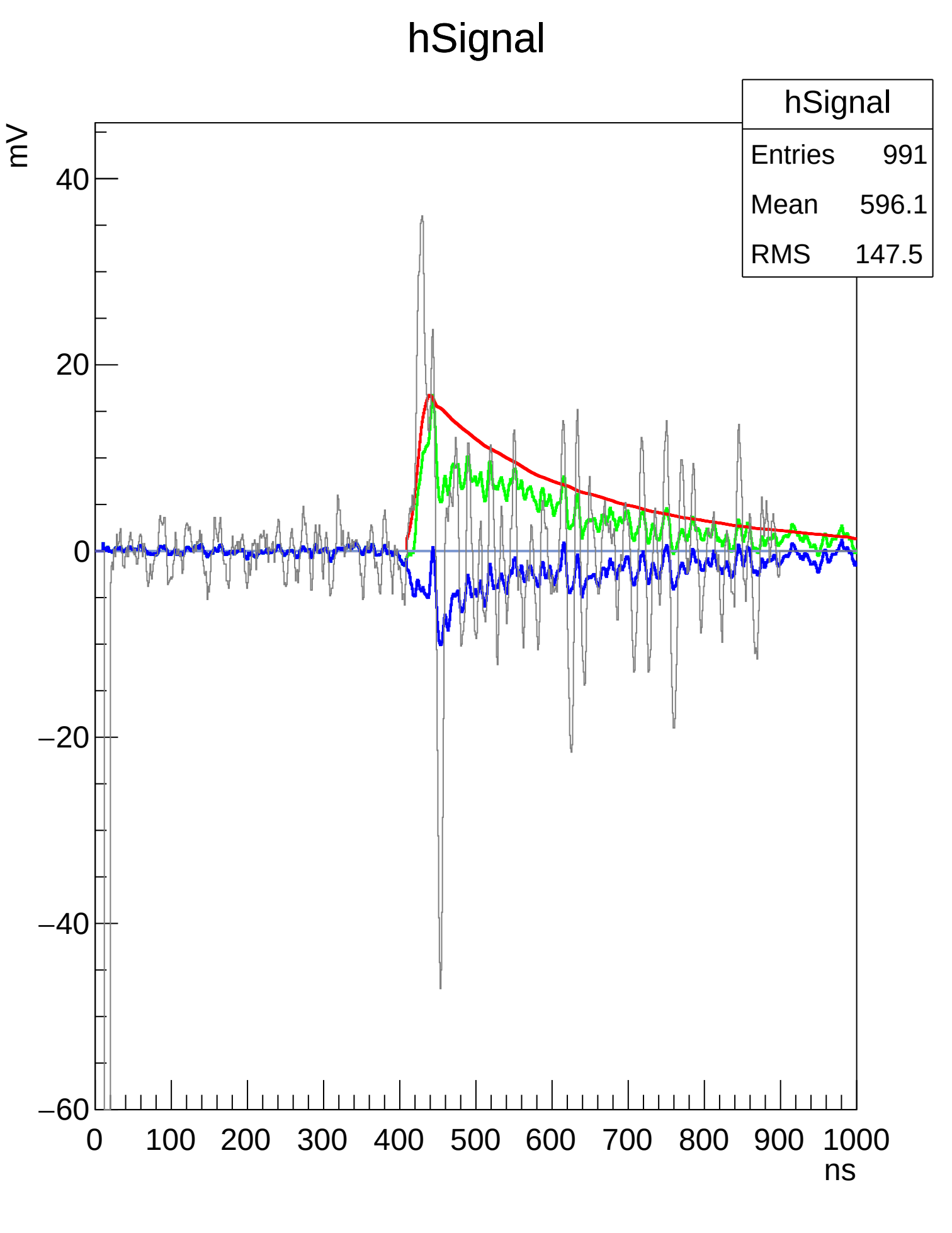
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.1
RMS 148.2
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.1
RMS 147.5
mV
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20
0
−20
−40
−60
0
100
200
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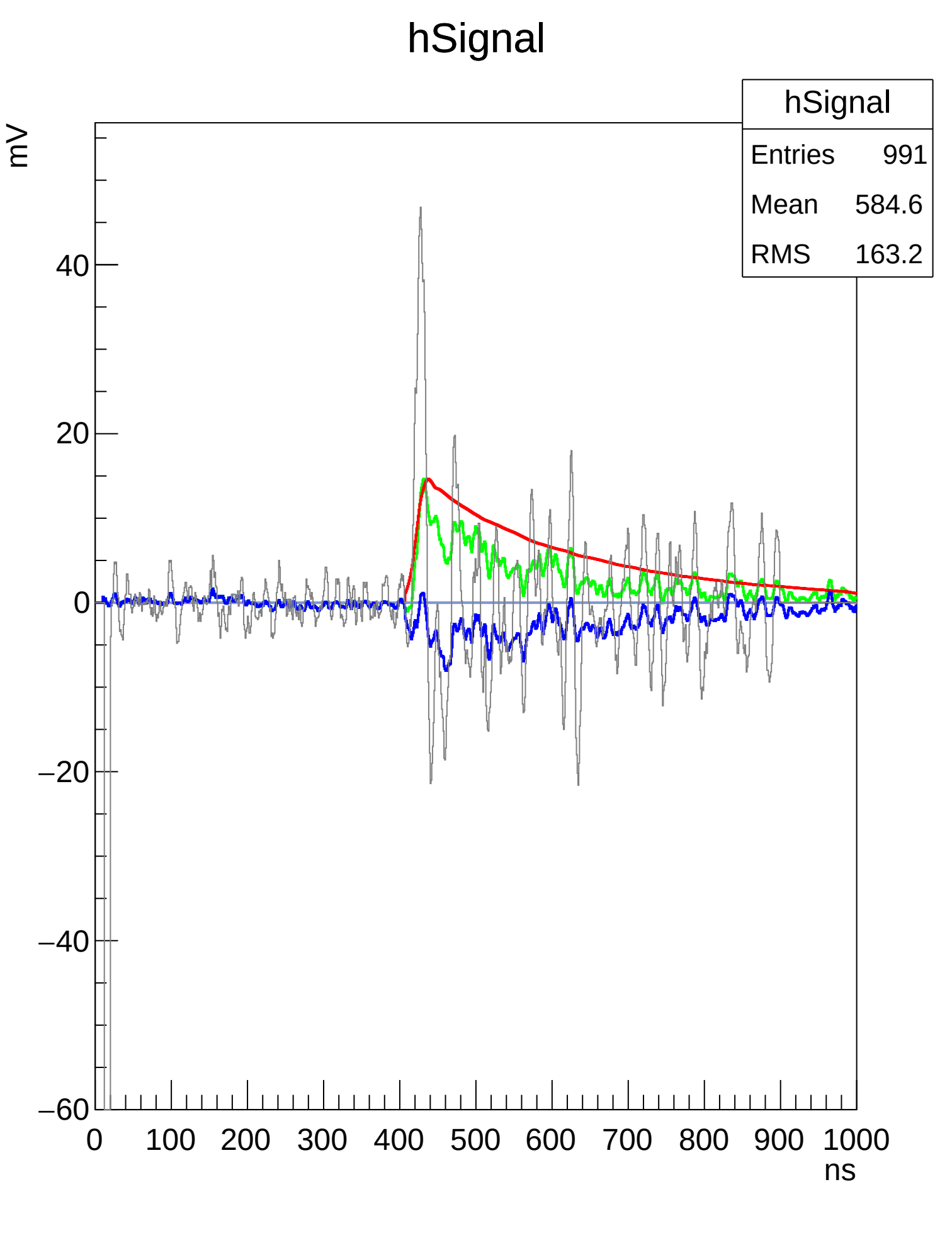
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.6
RMS 163.2
mV
40
20
0
−20
−40
−60
0
100
200
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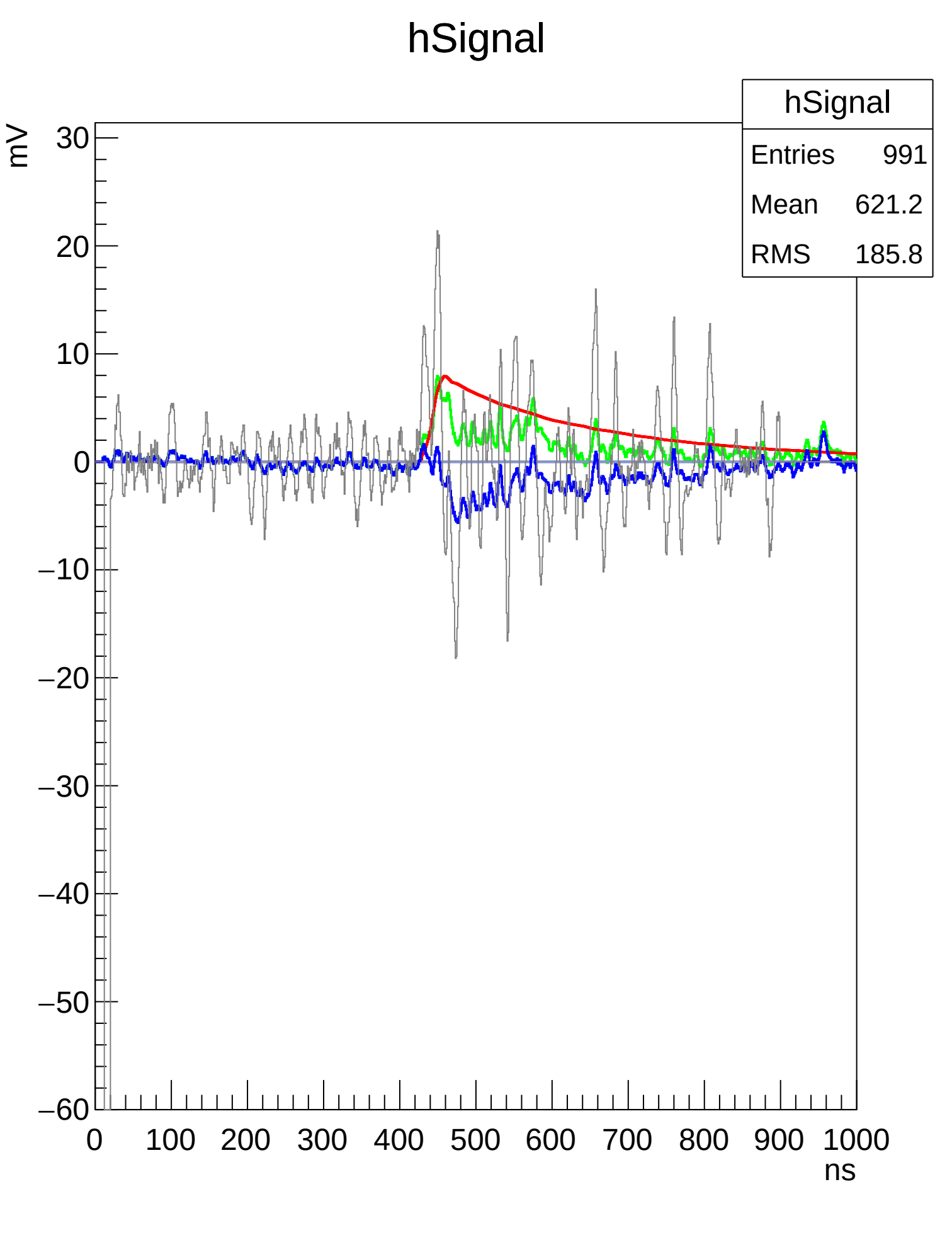
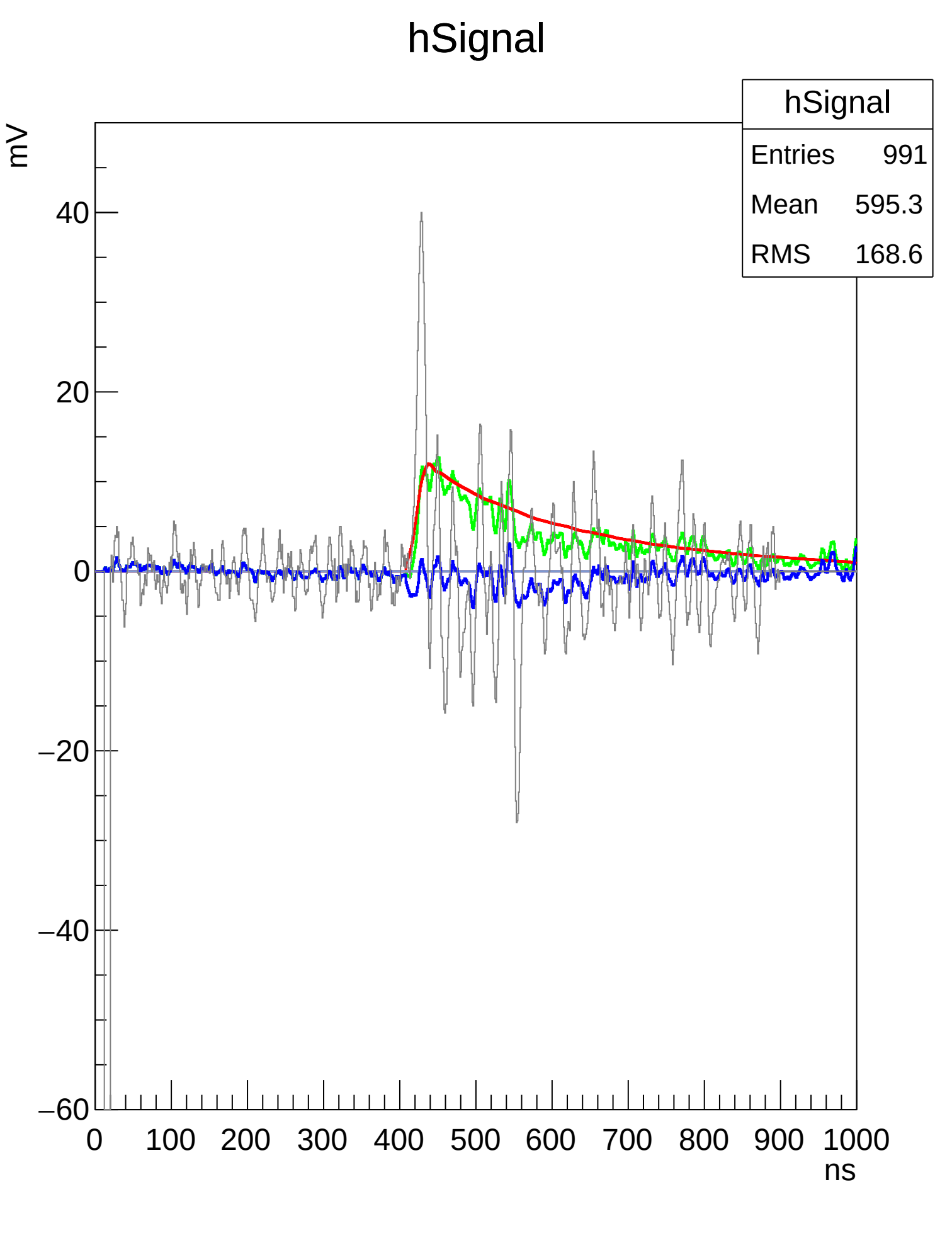
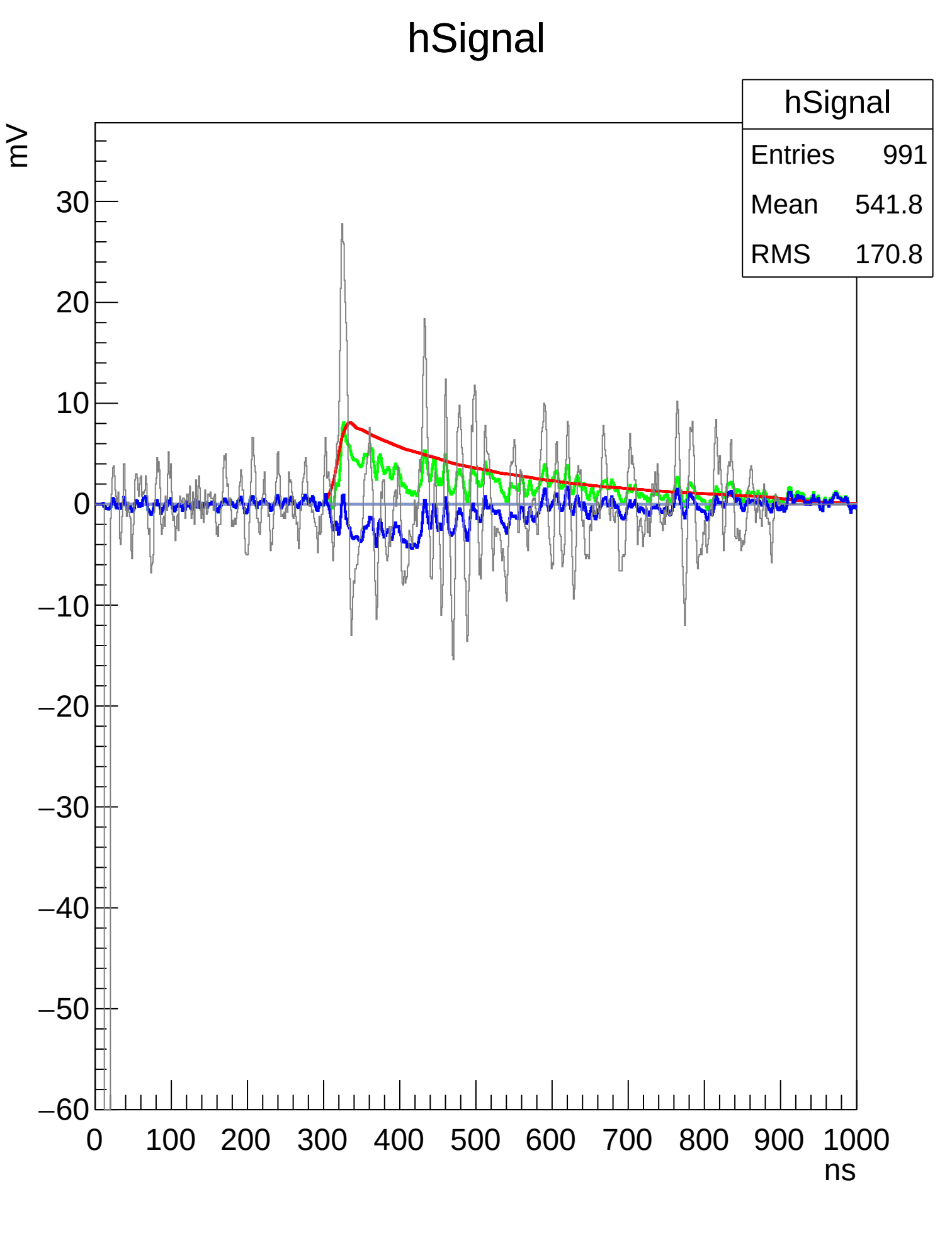
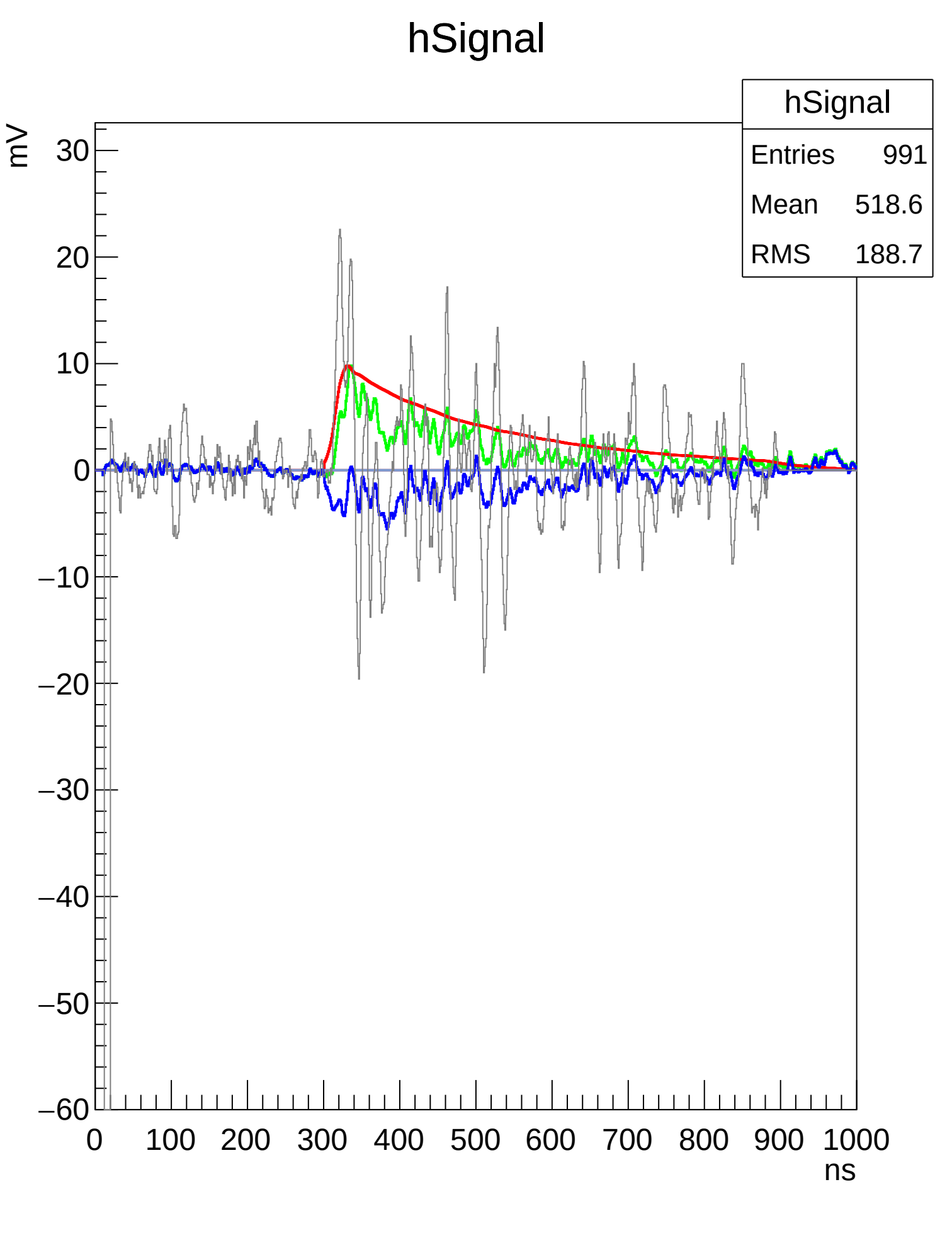
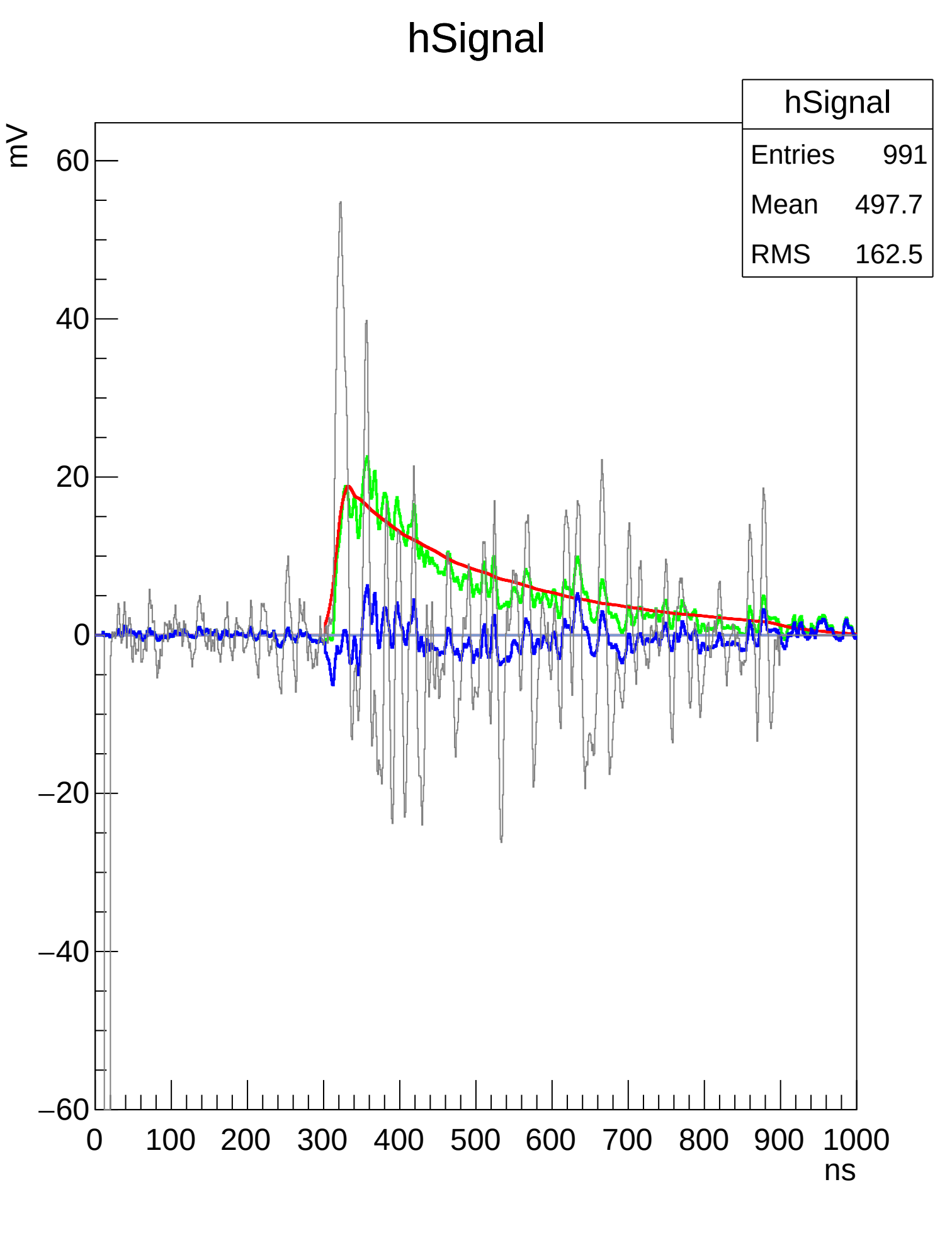
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.2
RMS 185.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.3
RMS 168.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.8
RMS 170.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.6
RMS 188.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.7
RMS 162.5
mV
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−20
−40
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0
100
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400
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700
800
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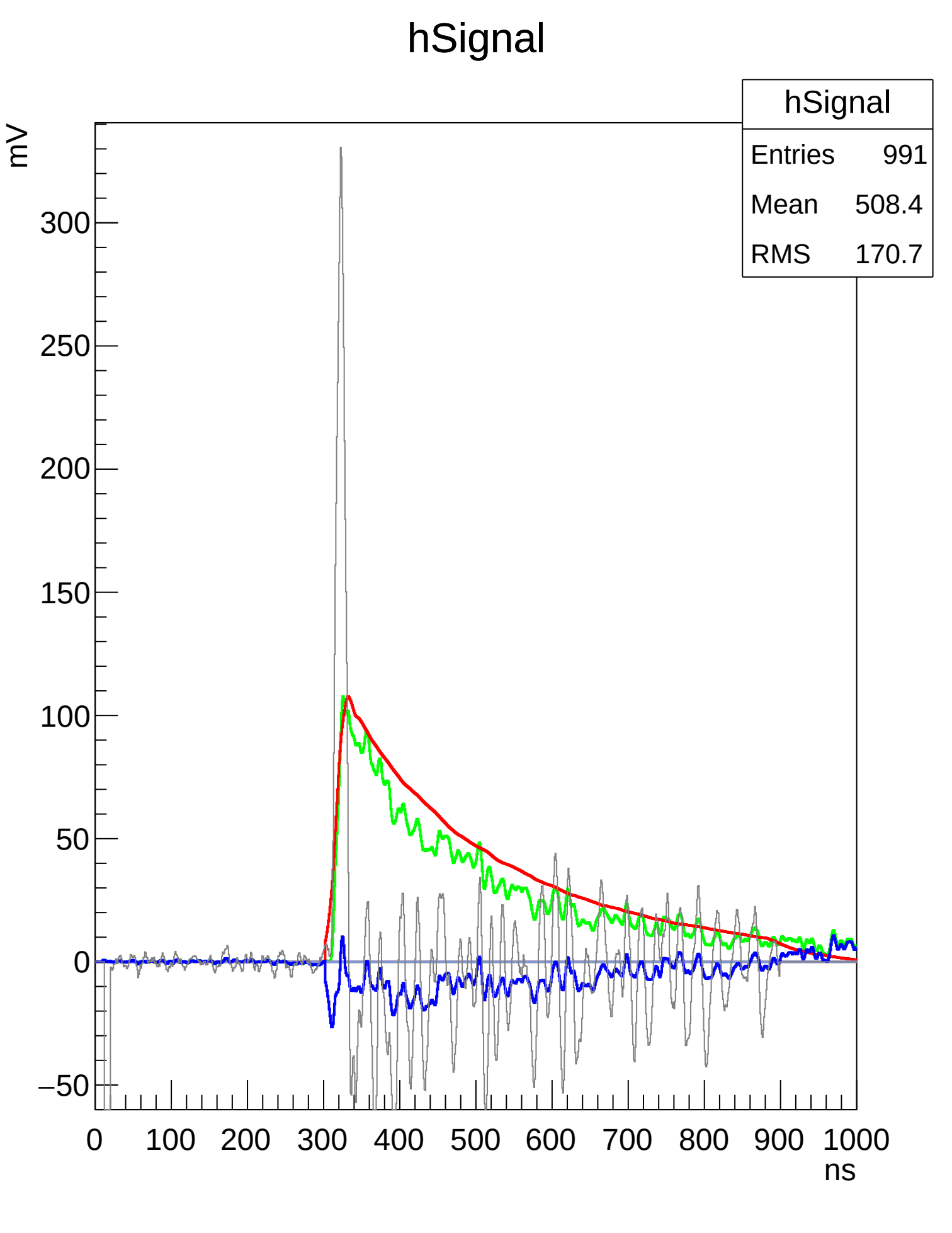
1000
ns


hSignal
hSignal
Entries 991
Mean 508.4
RMS 170.7
mV
300
250
200
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100
50
0
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0
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200
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400
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600
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800
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1000
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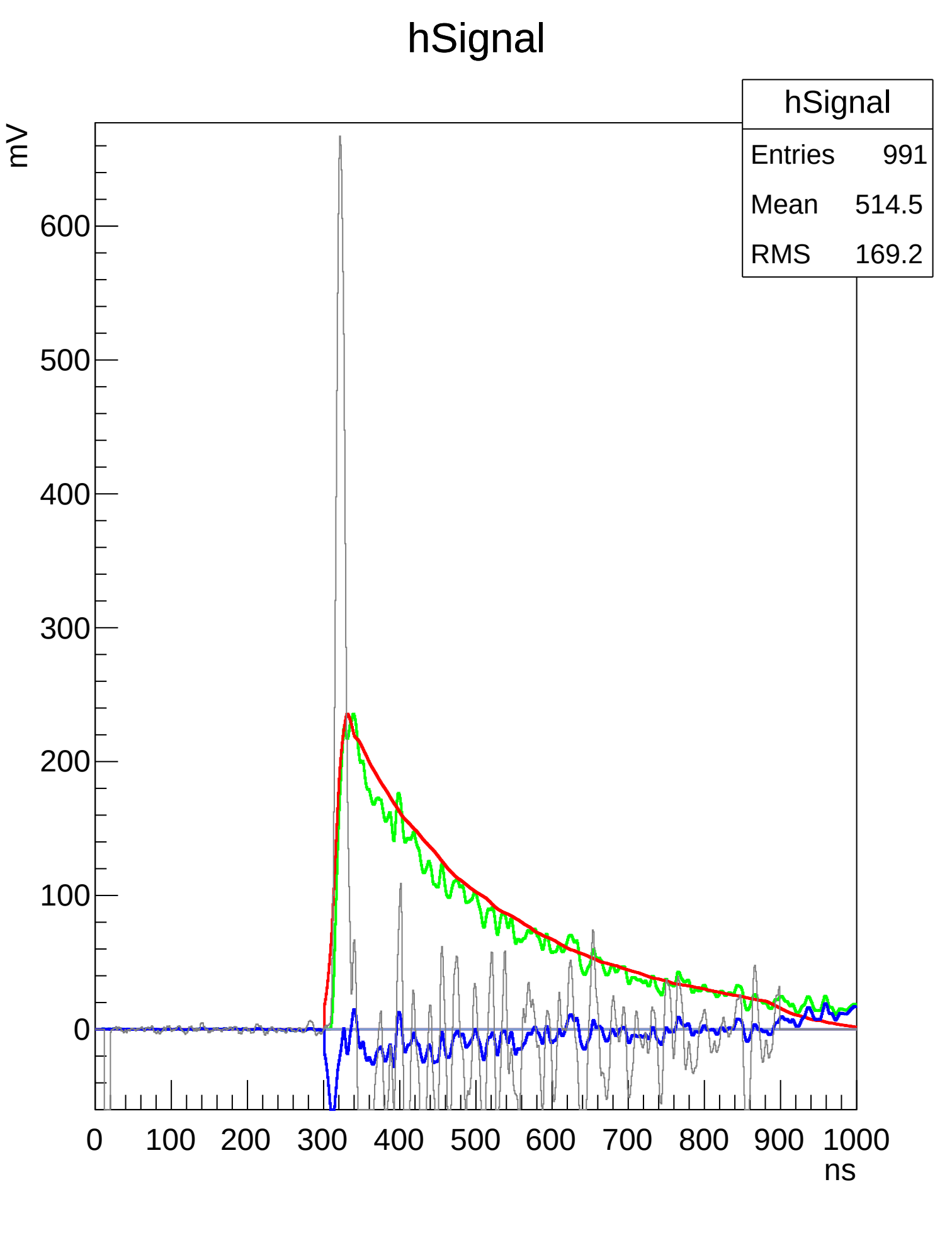
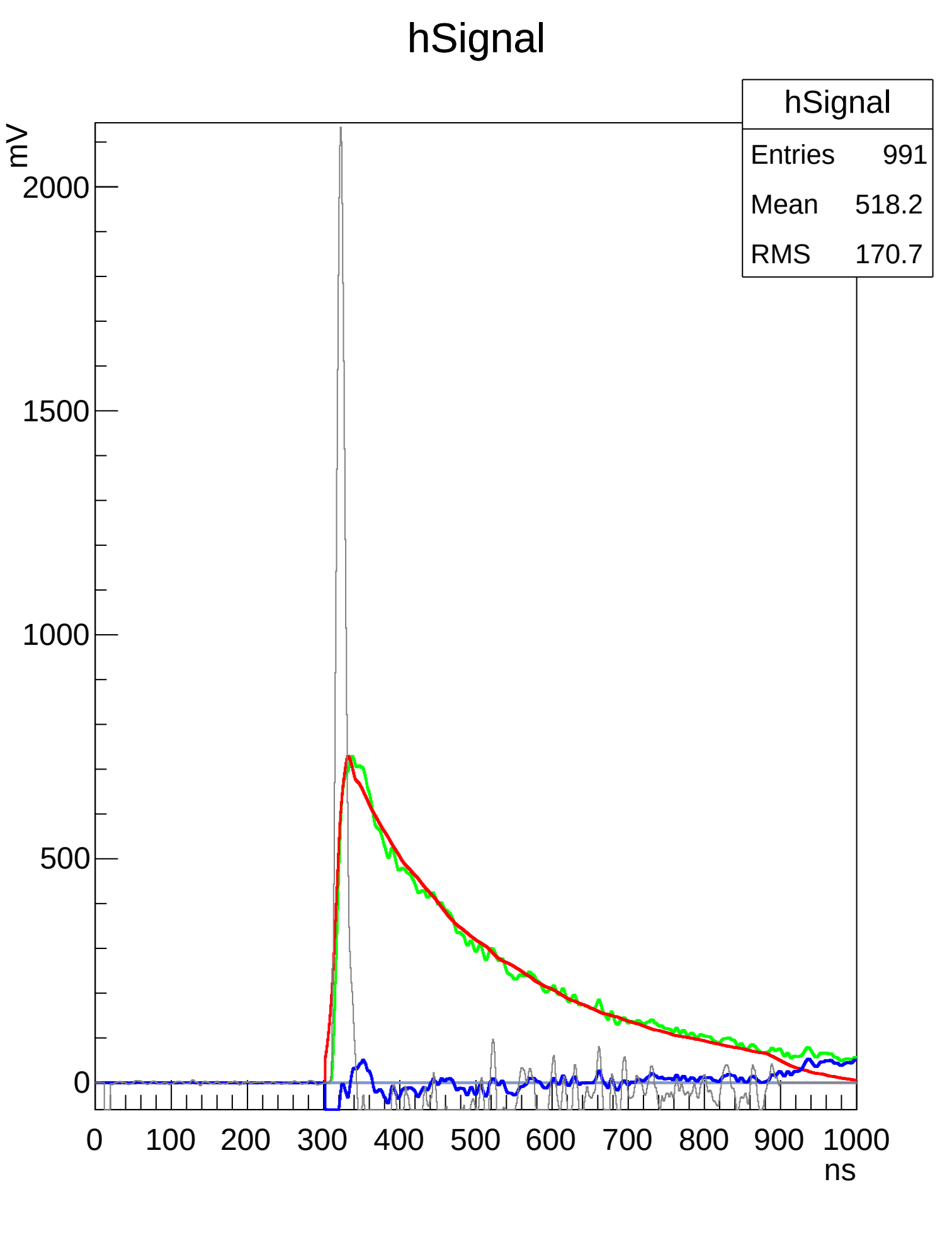
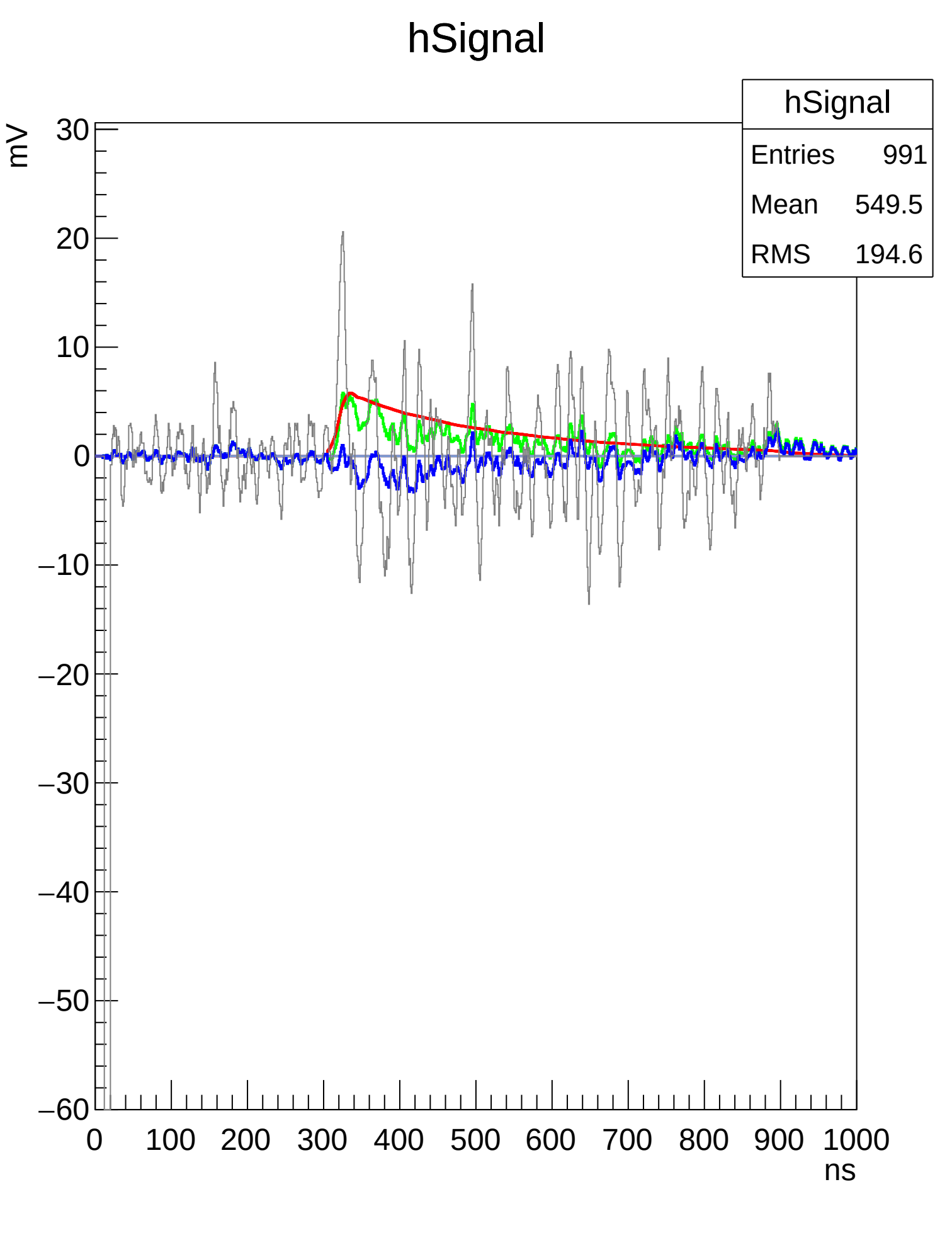

hSignal
hSignal
Entries 991
Mean 514.5
RMS 169.2
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 518.2
RMS 170.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.5
RMS 194.6
mV
30
20
10
0
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−40
−50
−60
0
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200
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400
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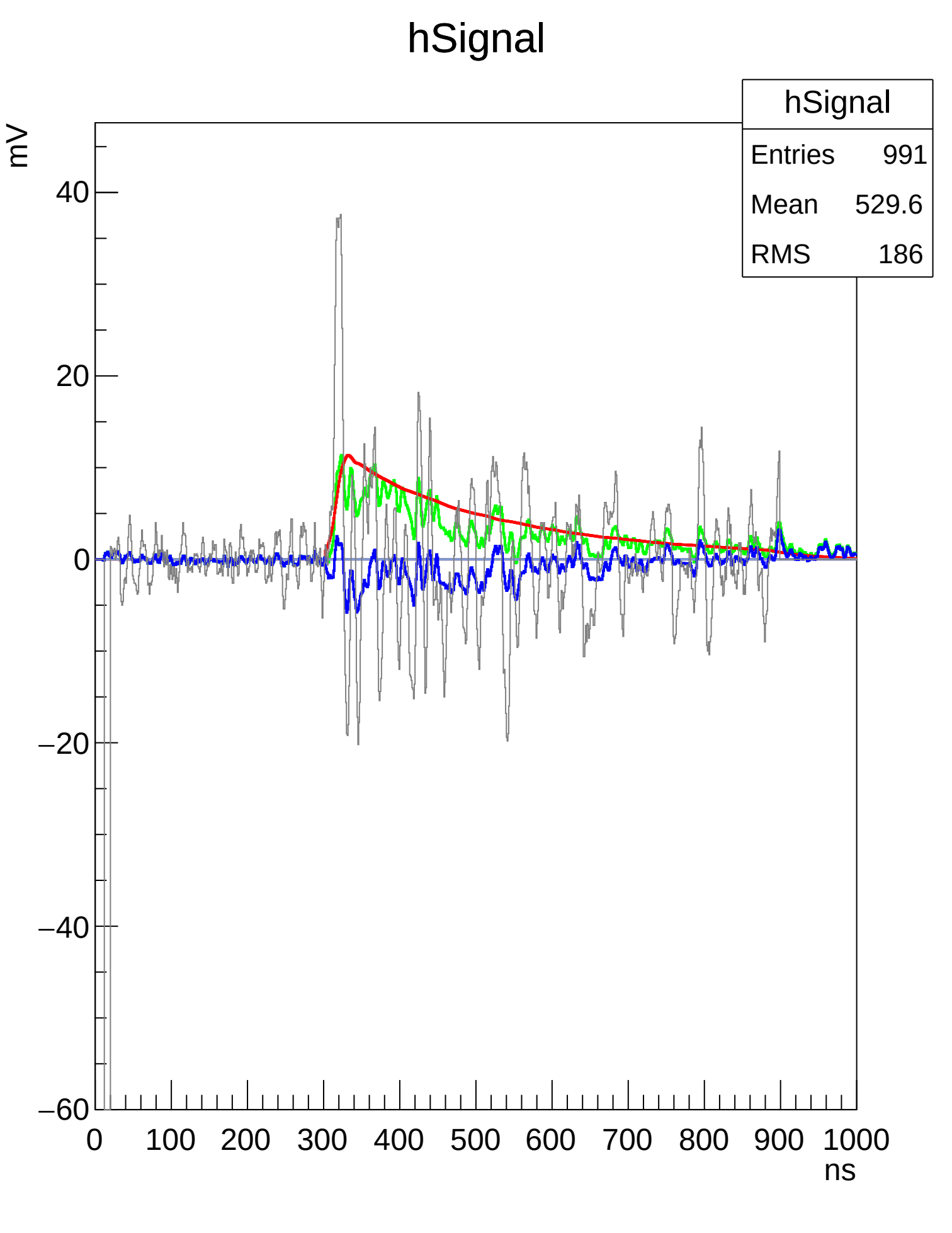
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.6
RMS 186
mV
40
20
0
−20
−40
−60
0
100
200
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400
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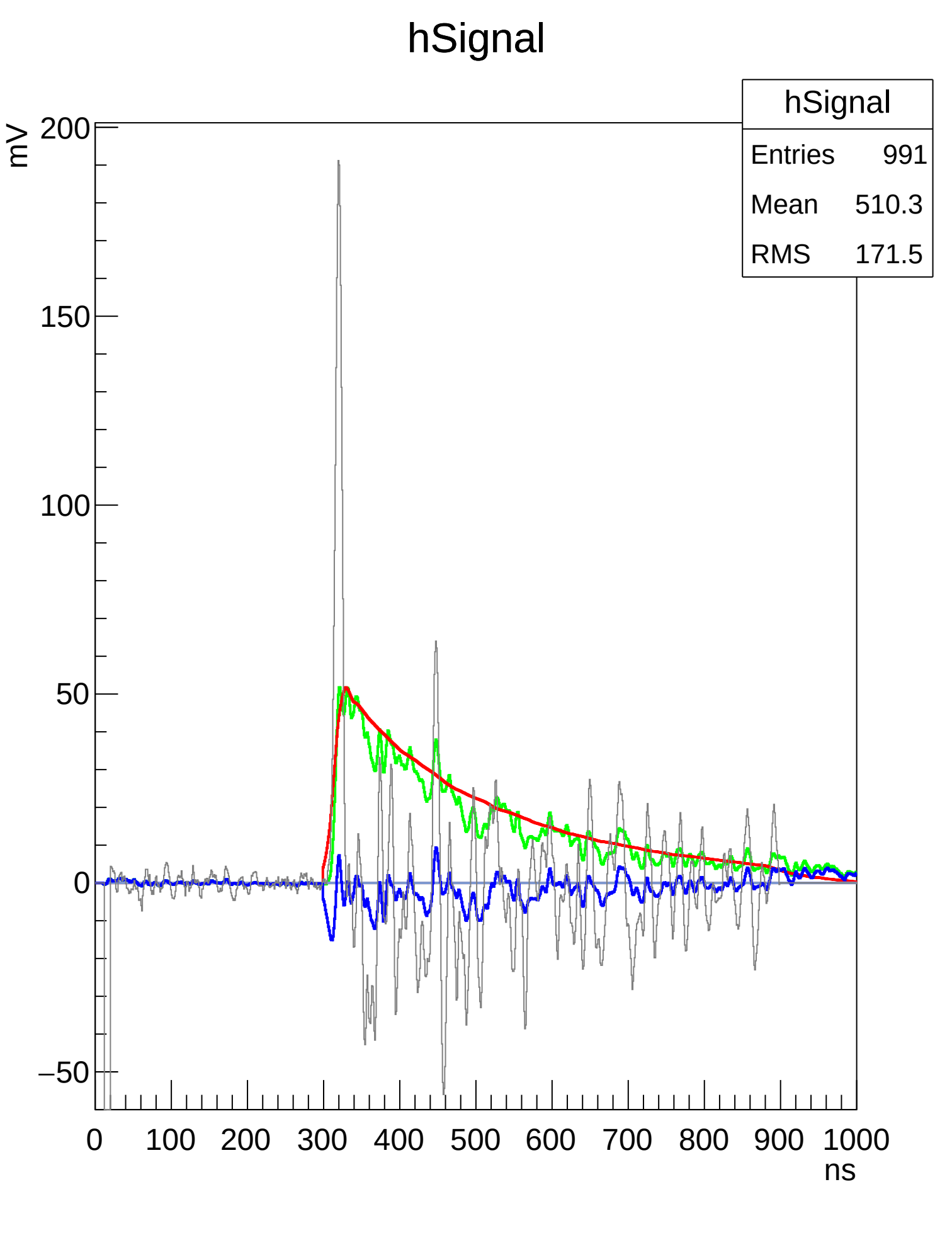
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.3
RMS 171.5
mV
200
150
100
50
0
−50
0
100
200
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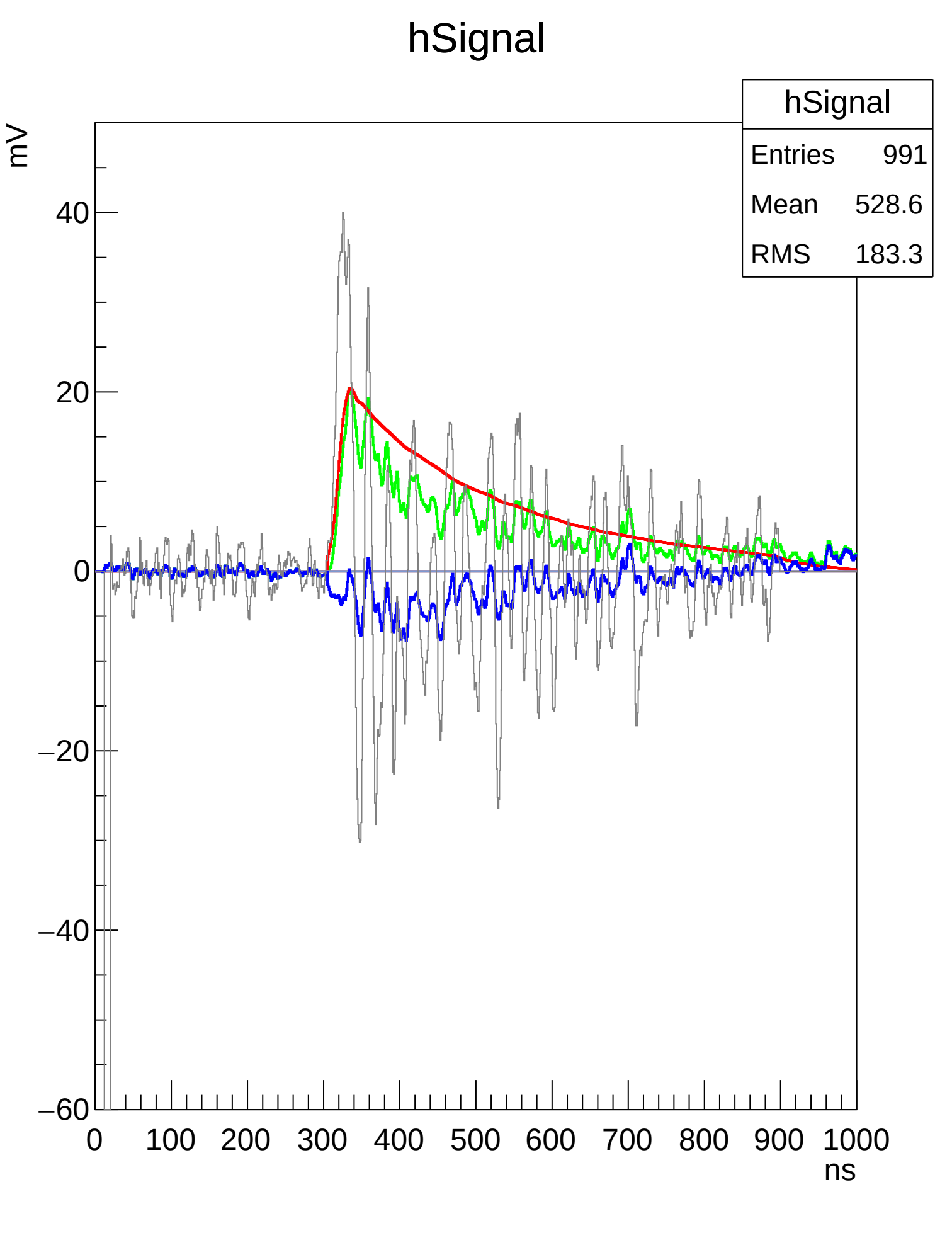
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.6
RMS 183.3
mV
40
20
0
−20
−40
−60
0
100
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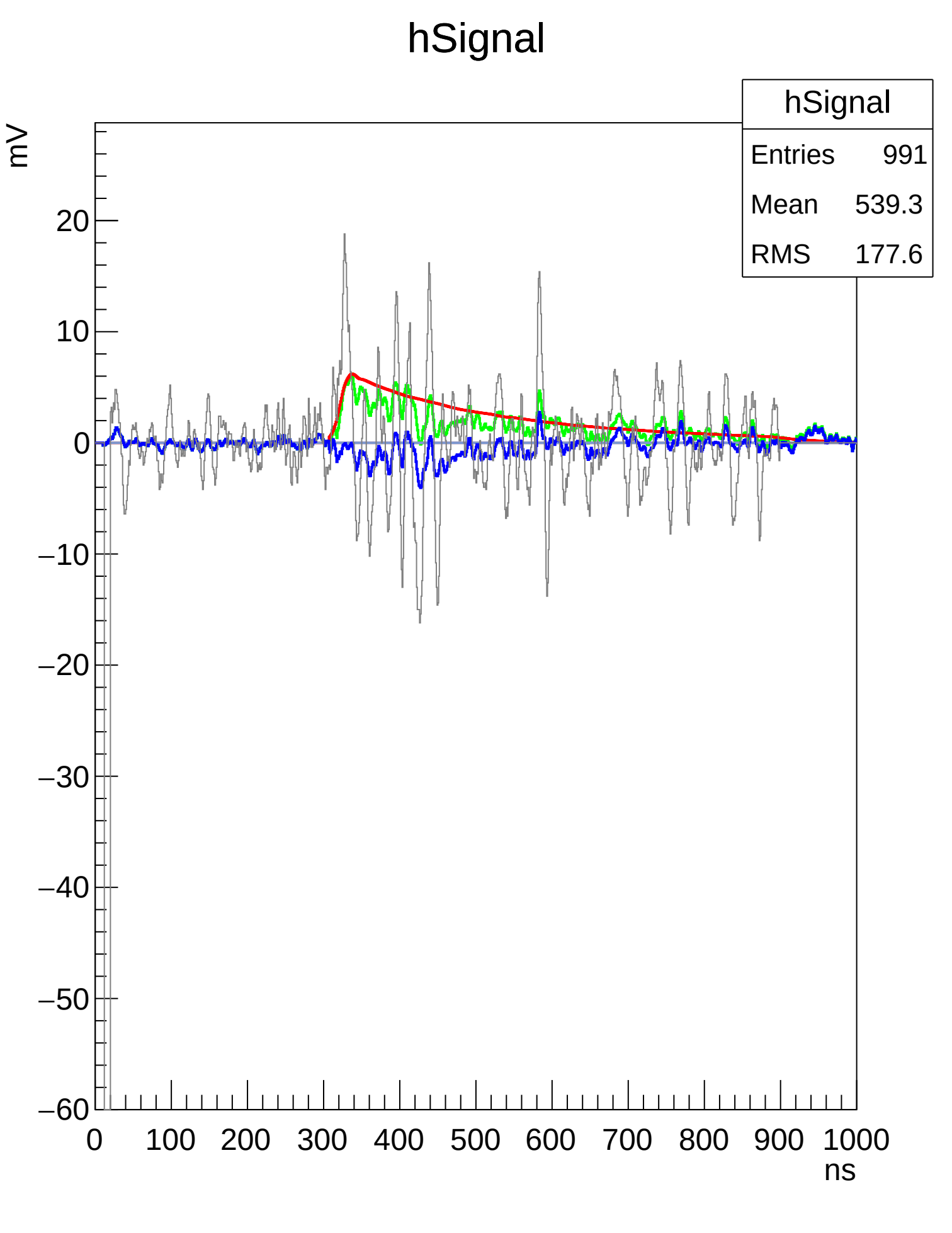
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.3
RMS 177.6
mV
20
10
0
−10
−20
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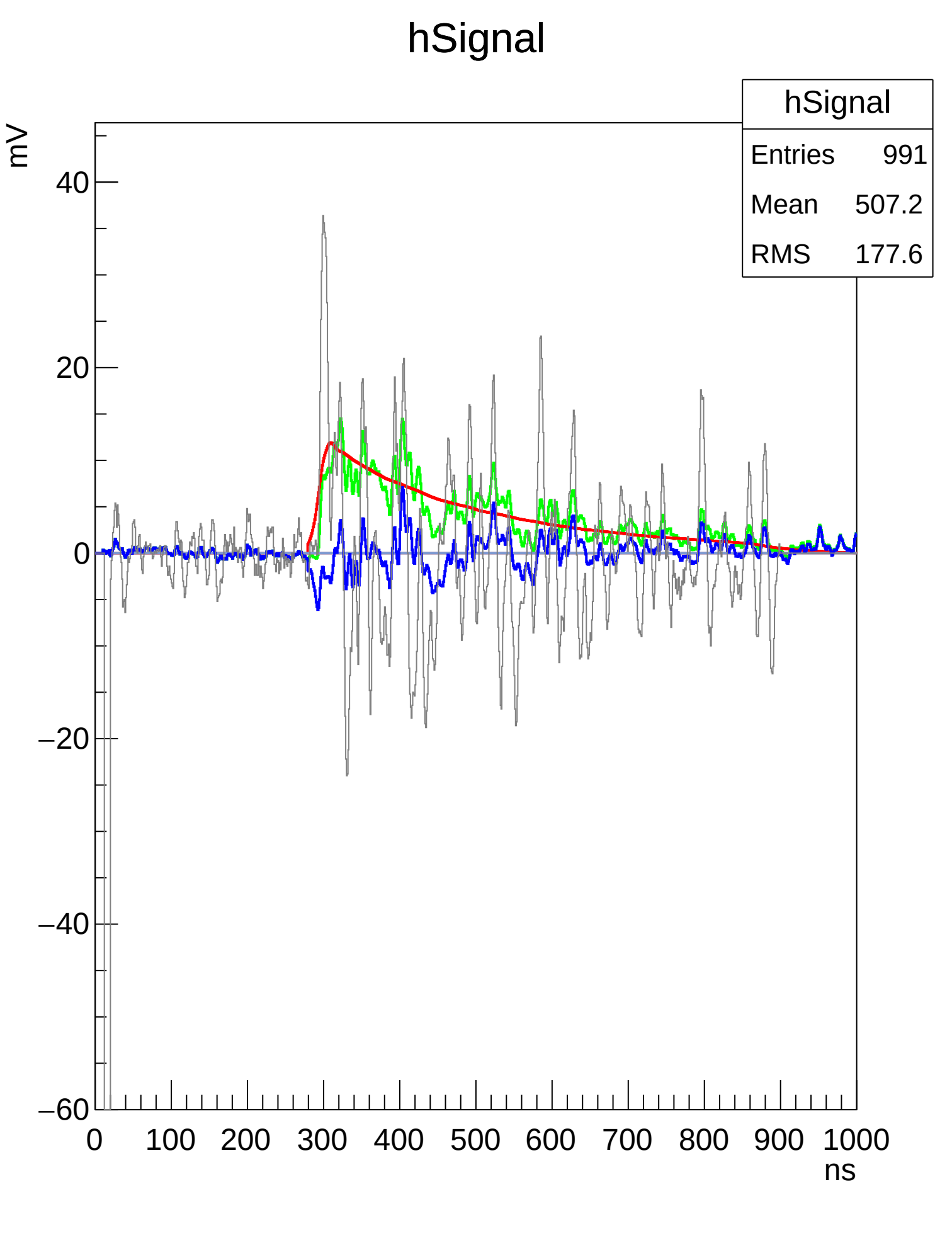
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.2
RMS 177.6
mV
40
20
0
−20
−40
−60
0
100
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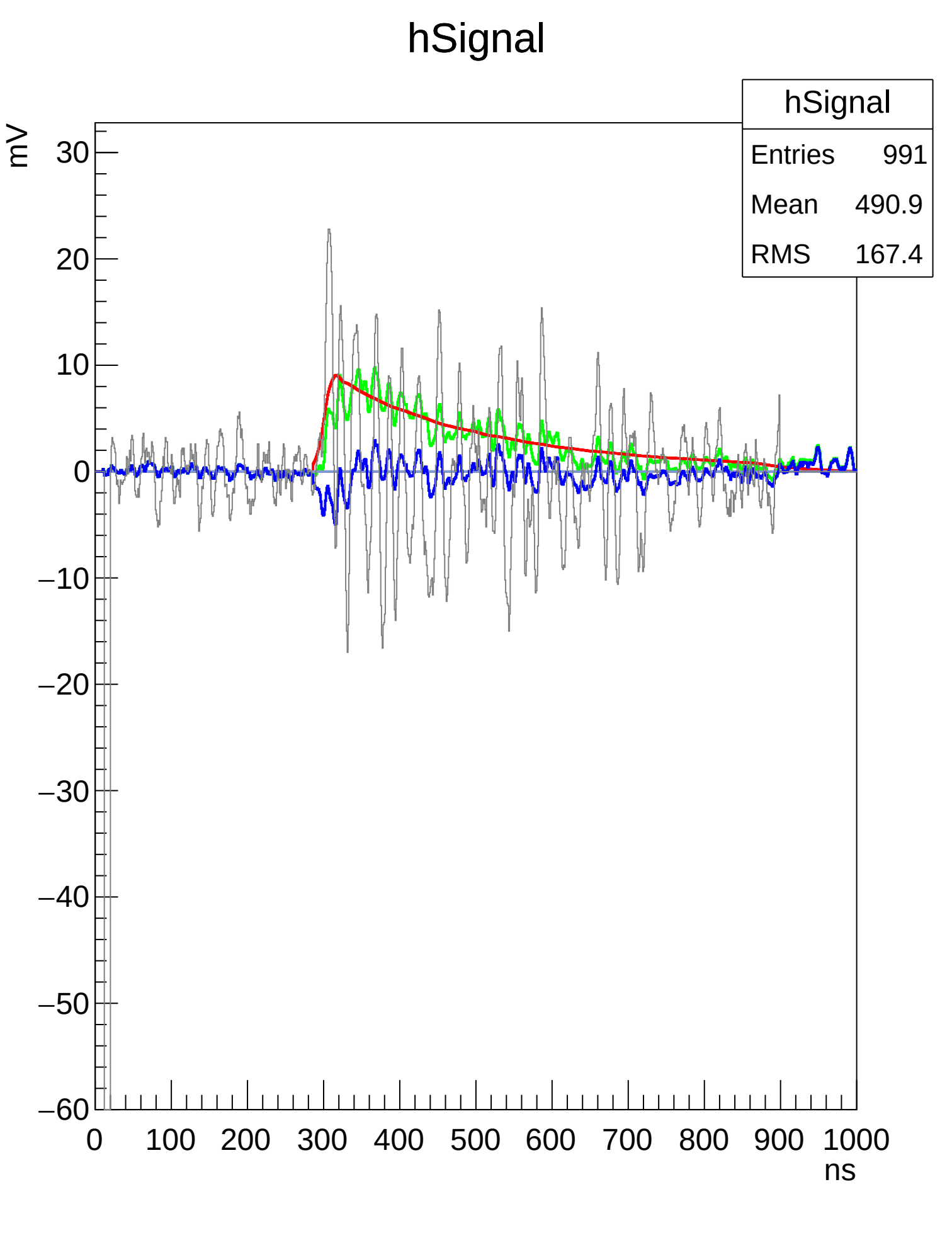
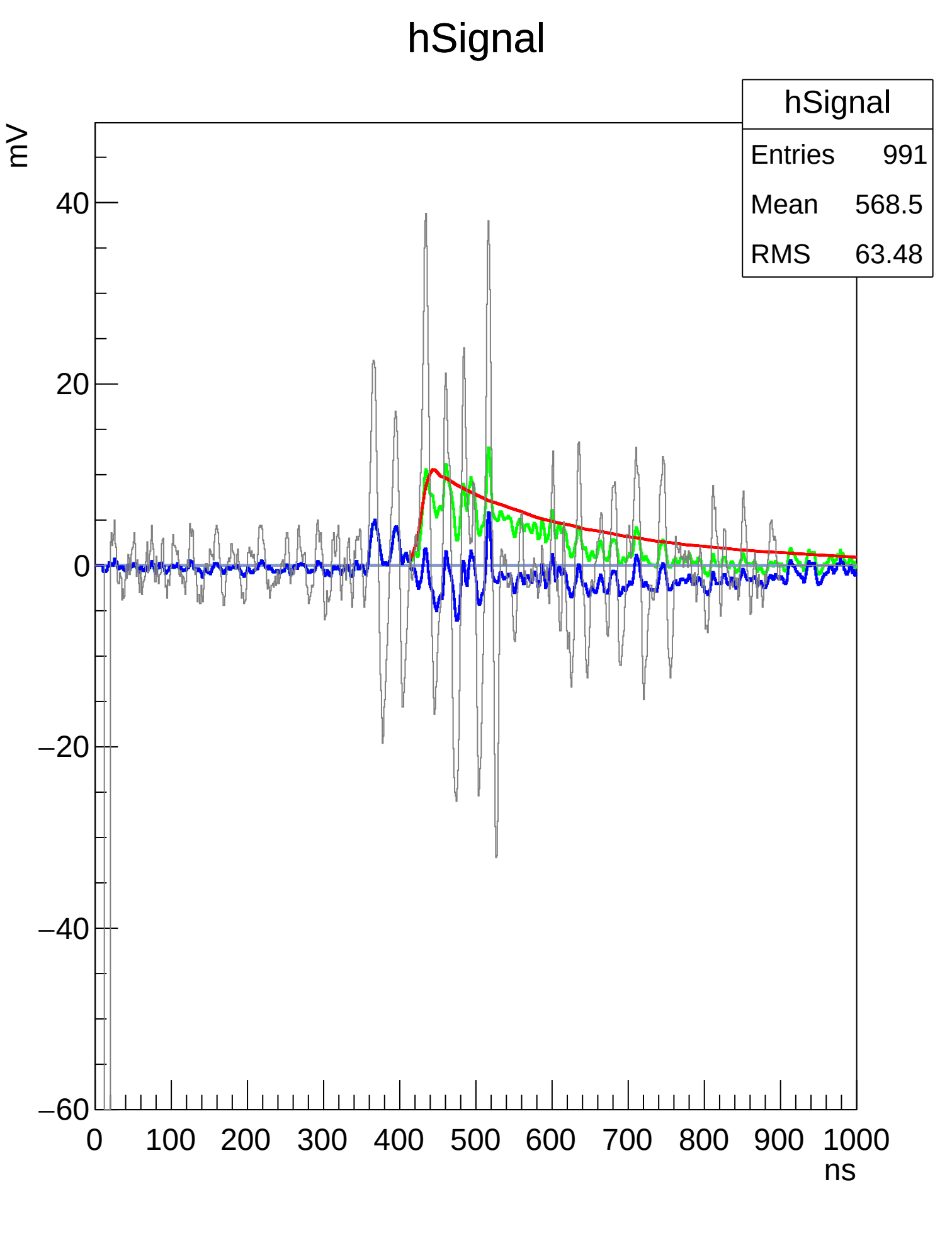
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.9
RMS 167.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.5
RMS 63.48
mV
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−20
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0
100
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600
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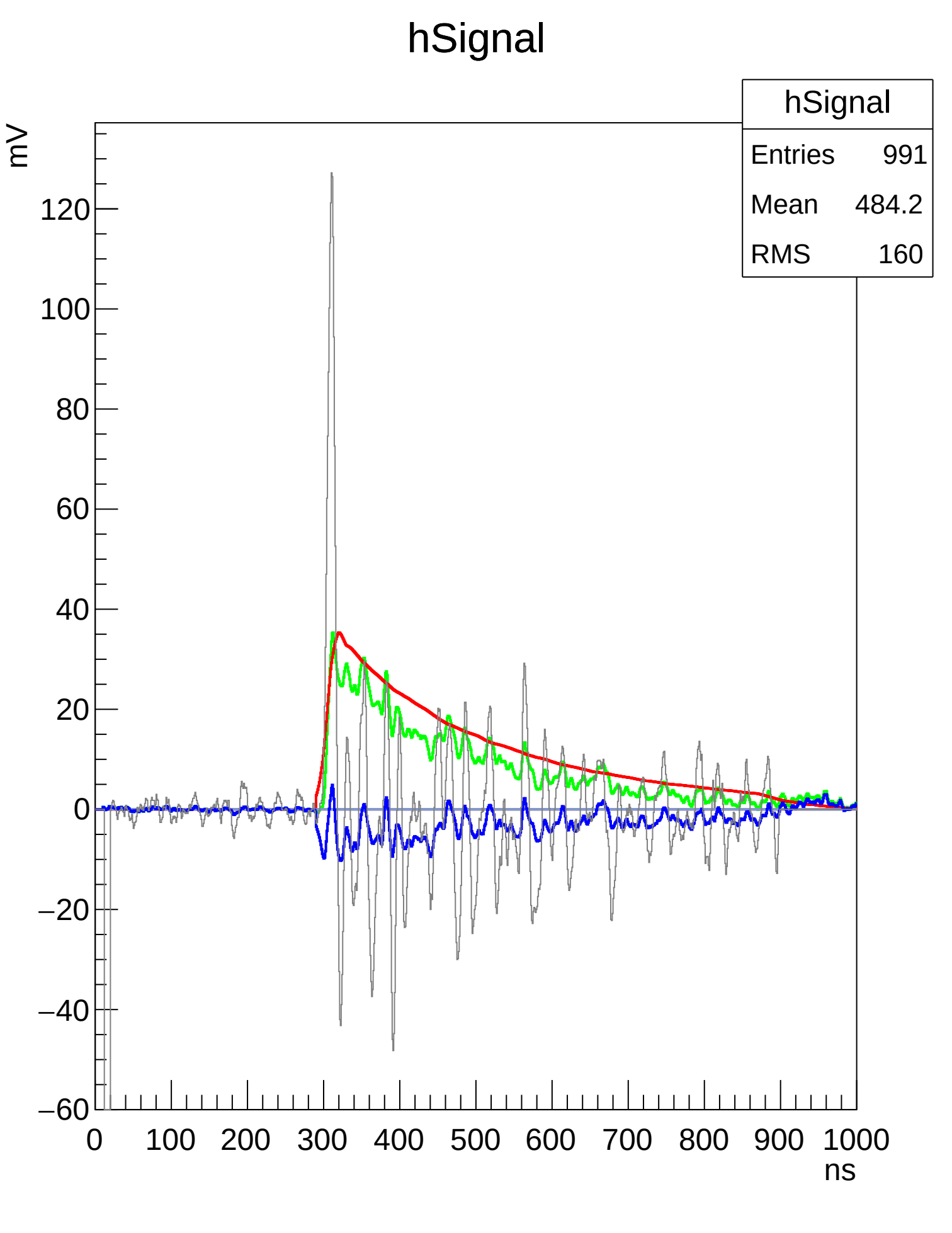
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 484.2
RMS 160
mV
120
100
80
60
40
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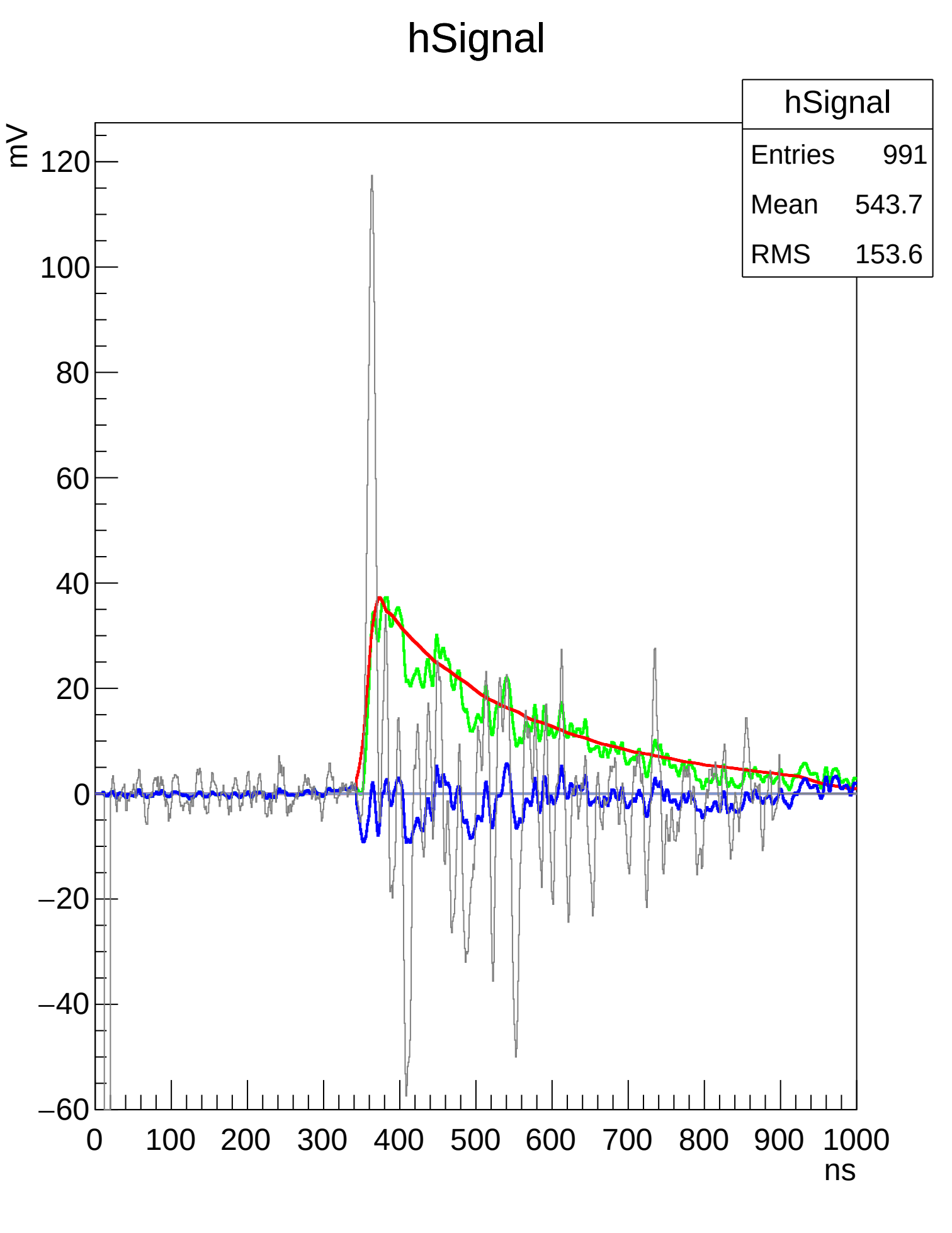
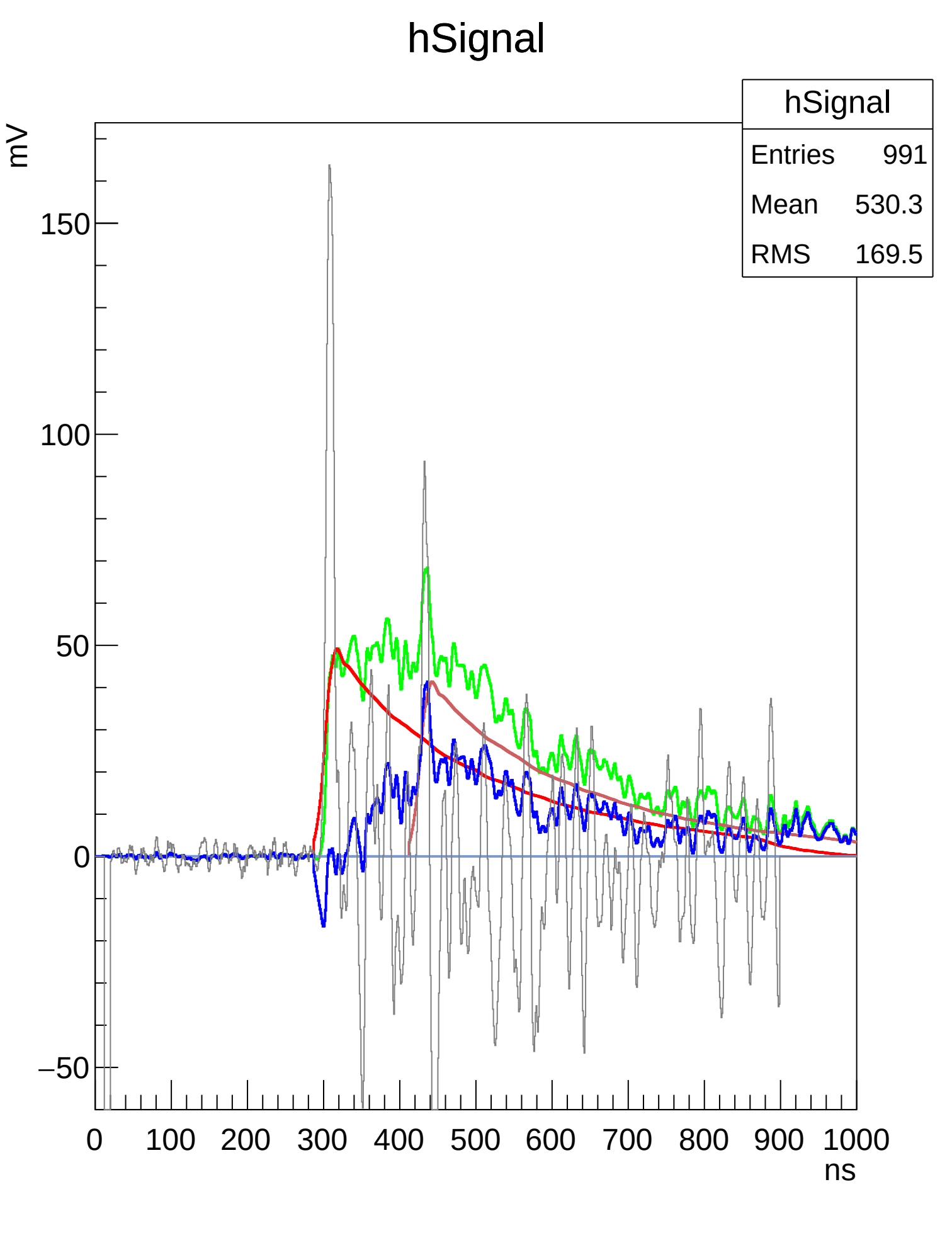
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 153.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.3
RMS 169.5
mV
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100
50
0
−50
0
100
200
300
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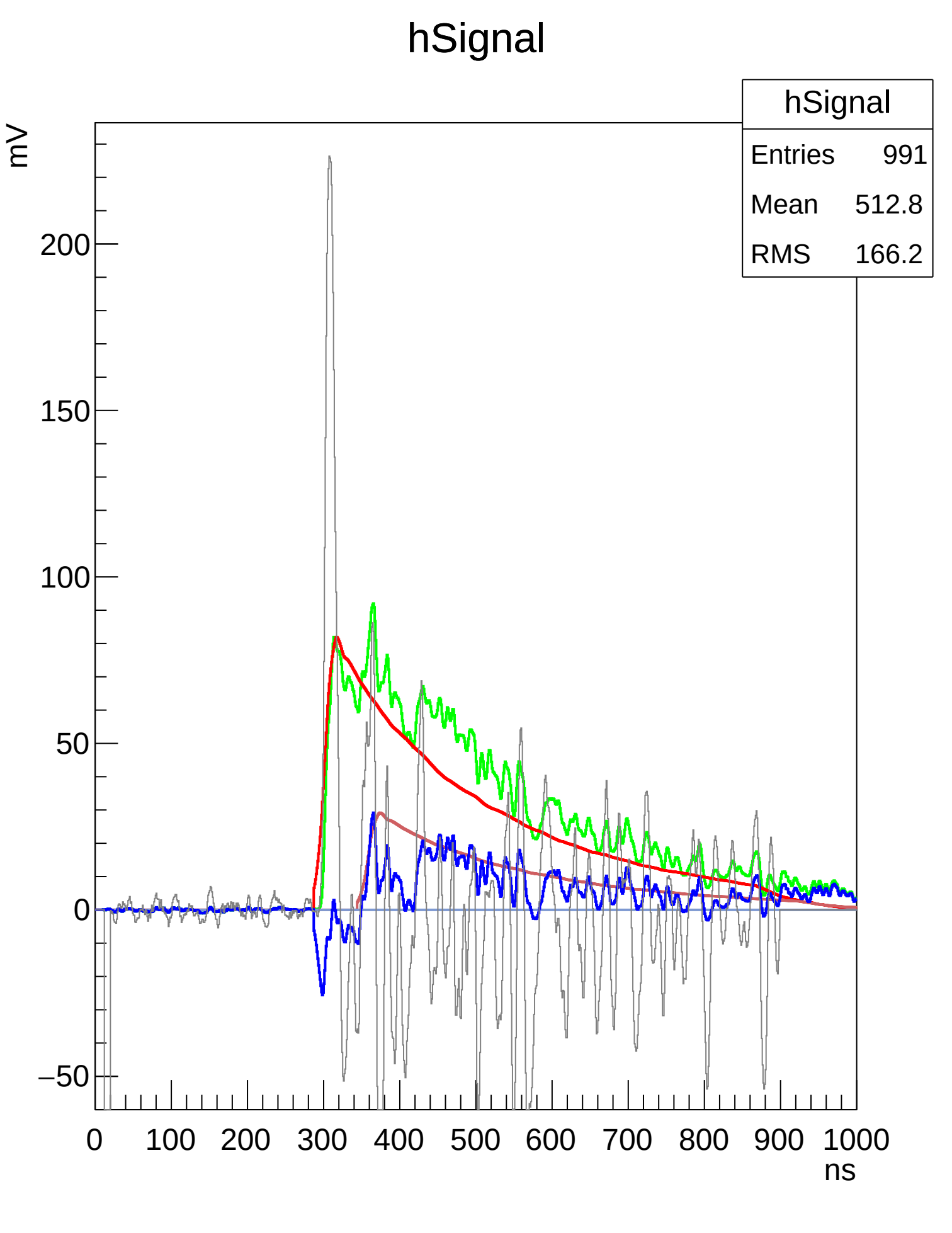
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.8
RMS 166.2
mV
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100
50
0
−50
0
100
200
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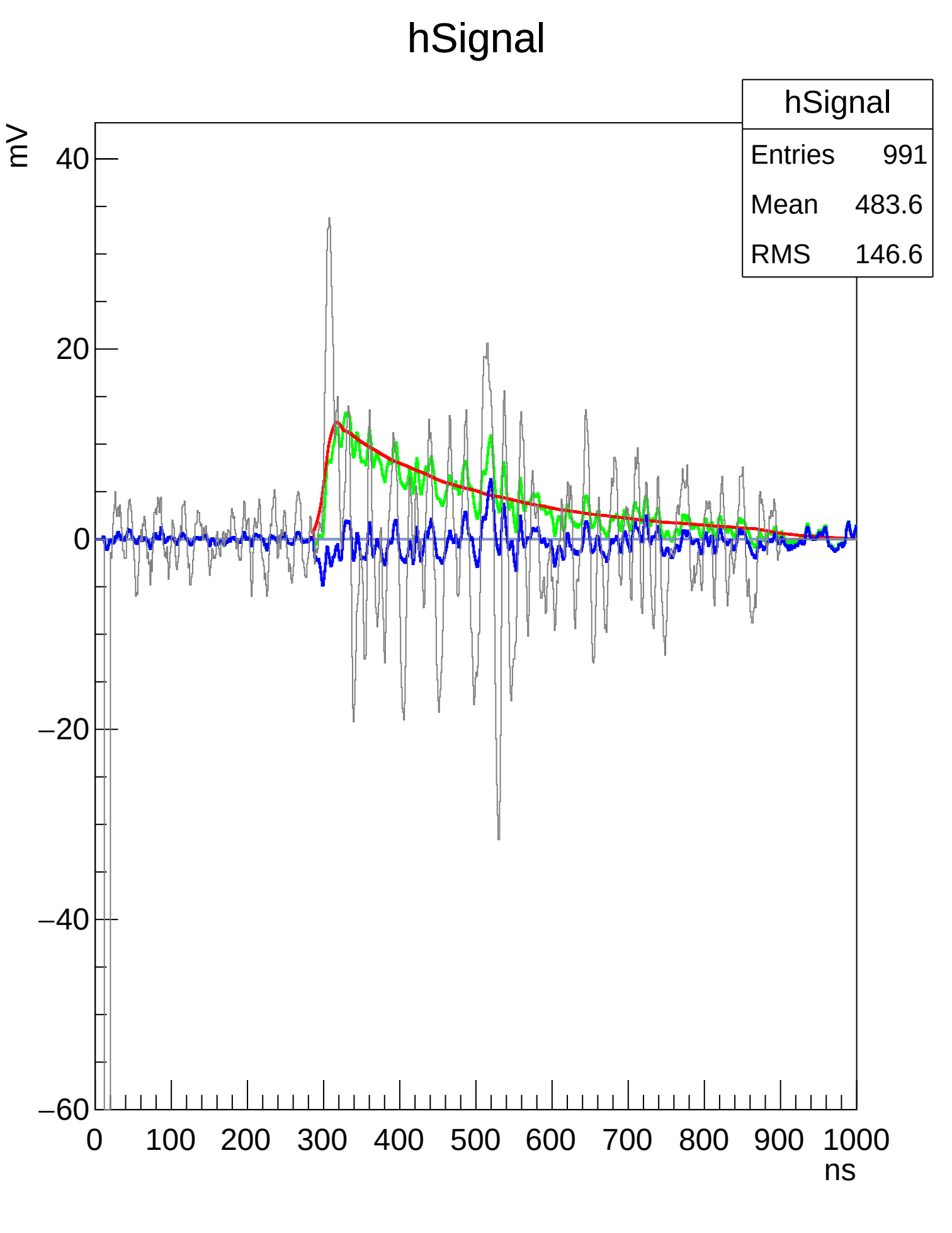
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.6
RMS 146.6
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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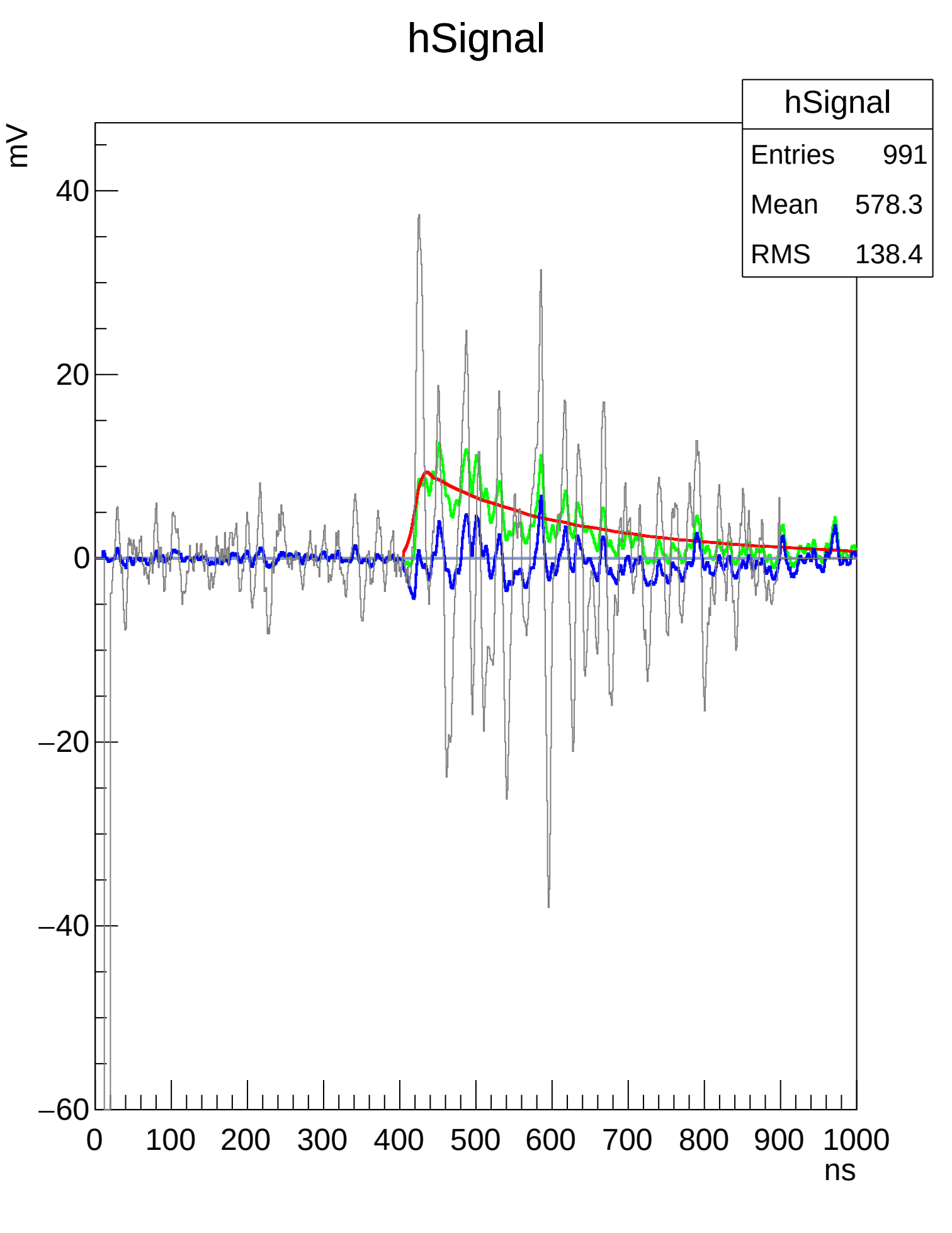
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 138.4
mV
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−20
−40
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0
100
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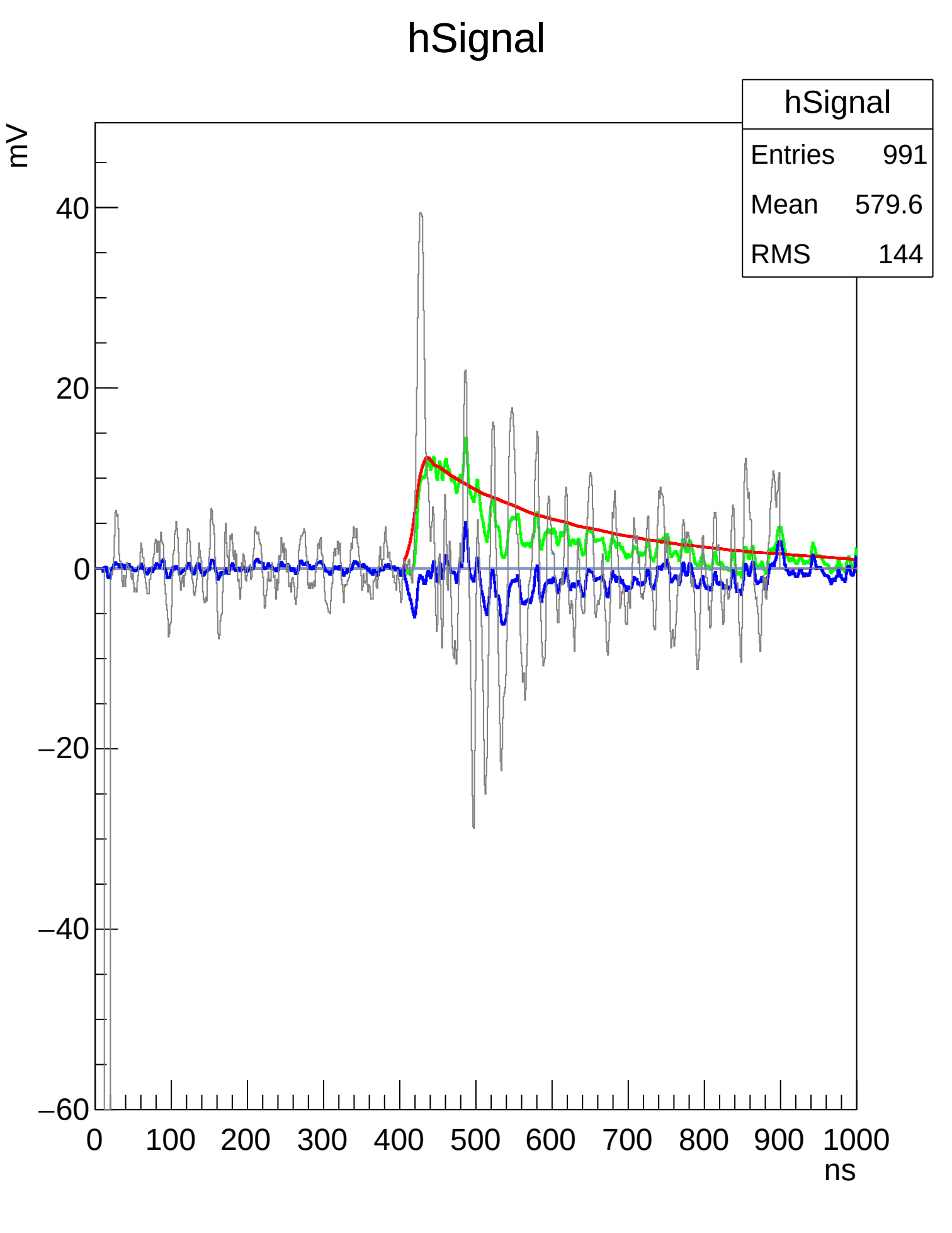
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 144
mV
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−20
−40
−60
0
100
200
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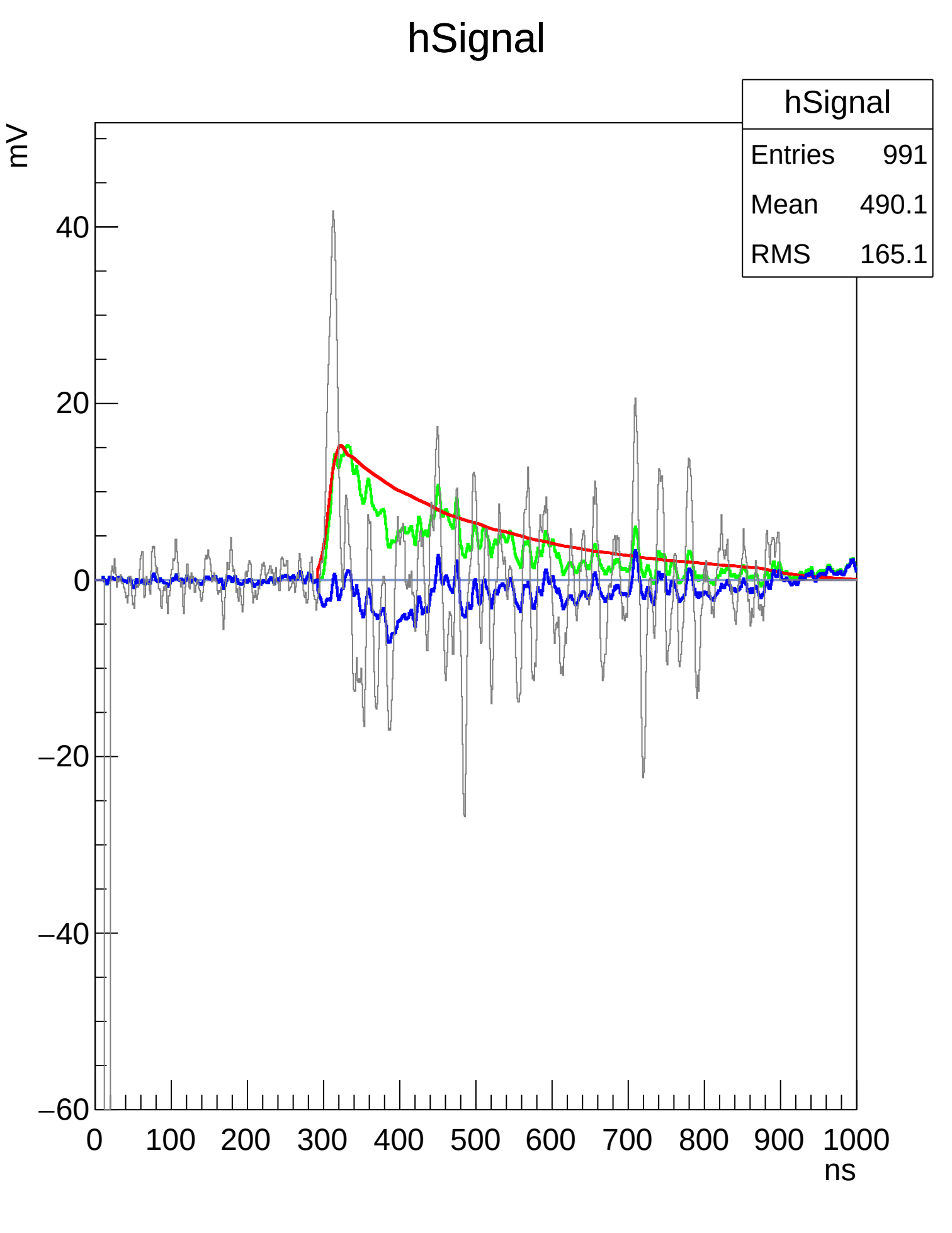
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.1
RMS 165.1
mV
40
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0
−20
−40
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0
100
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400
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1000
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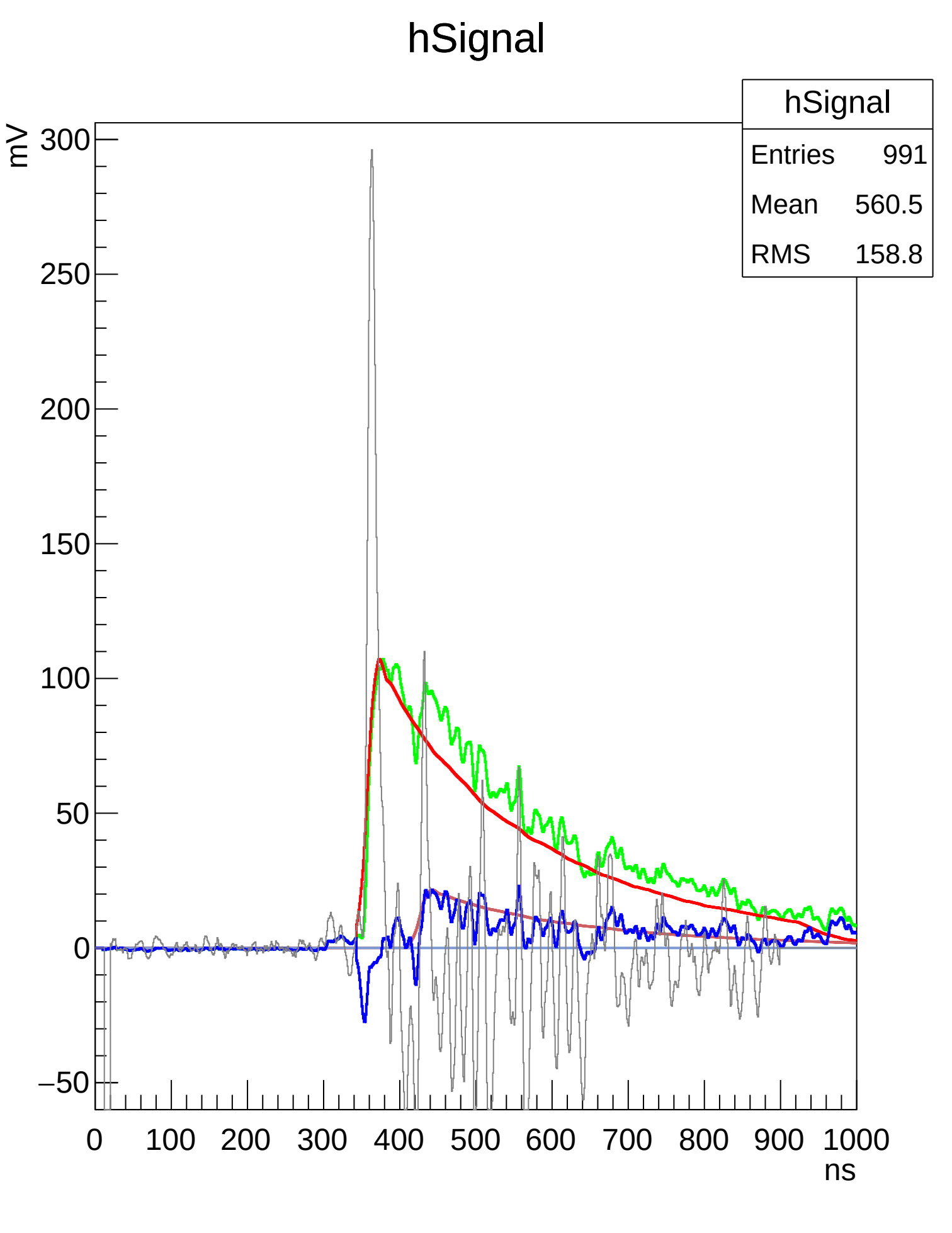
hSignal
hSignal
Entries 991
Mean 560.5
RMS 158.8
mV
300
250
200
150
100
50
0
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0
100
200
300
400
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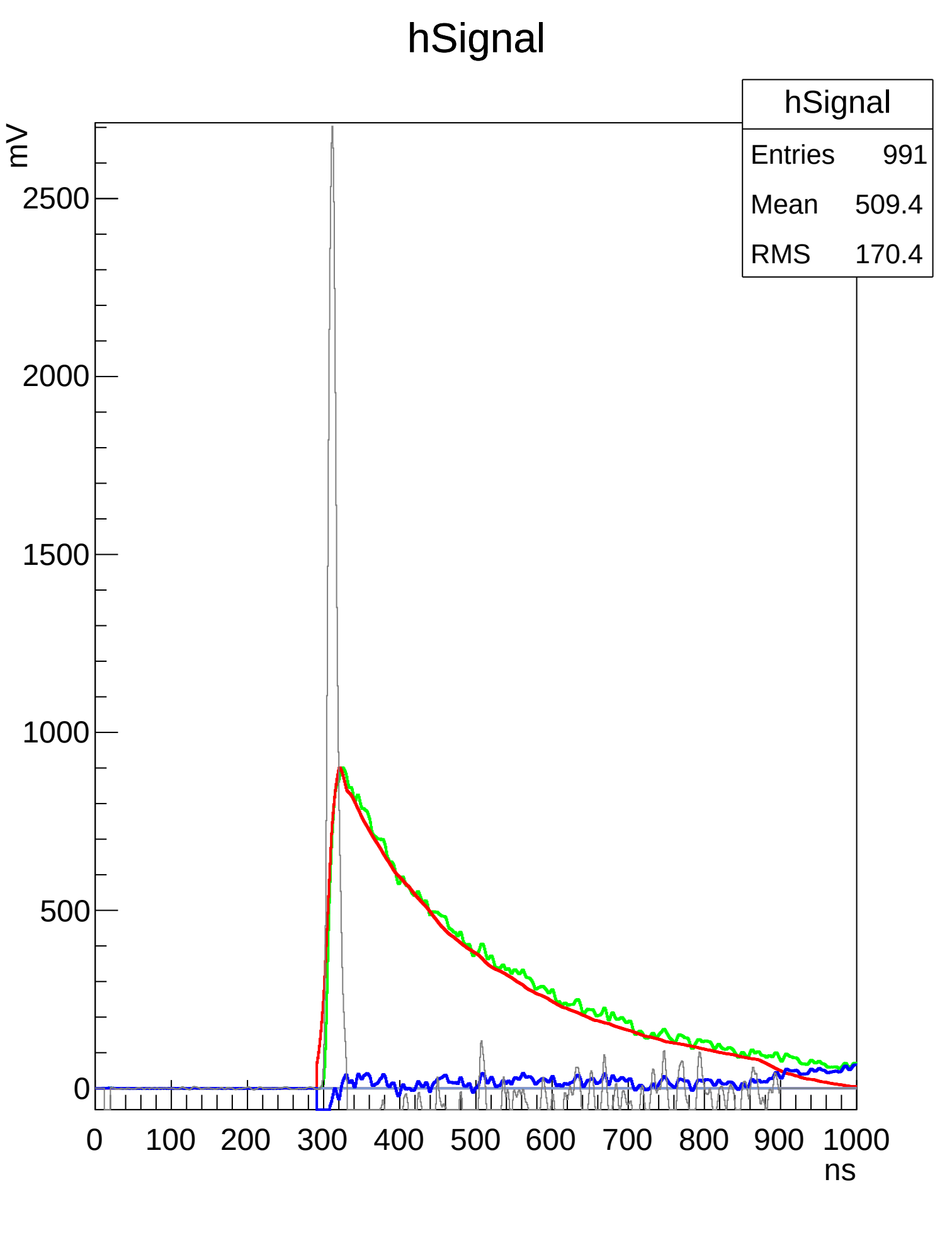
1000
ns


hSignal
hSignal
Entries 991
Mean 509.4
RMS 170.4
mV
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1500
1000
500
0
0
100
200
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400
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800
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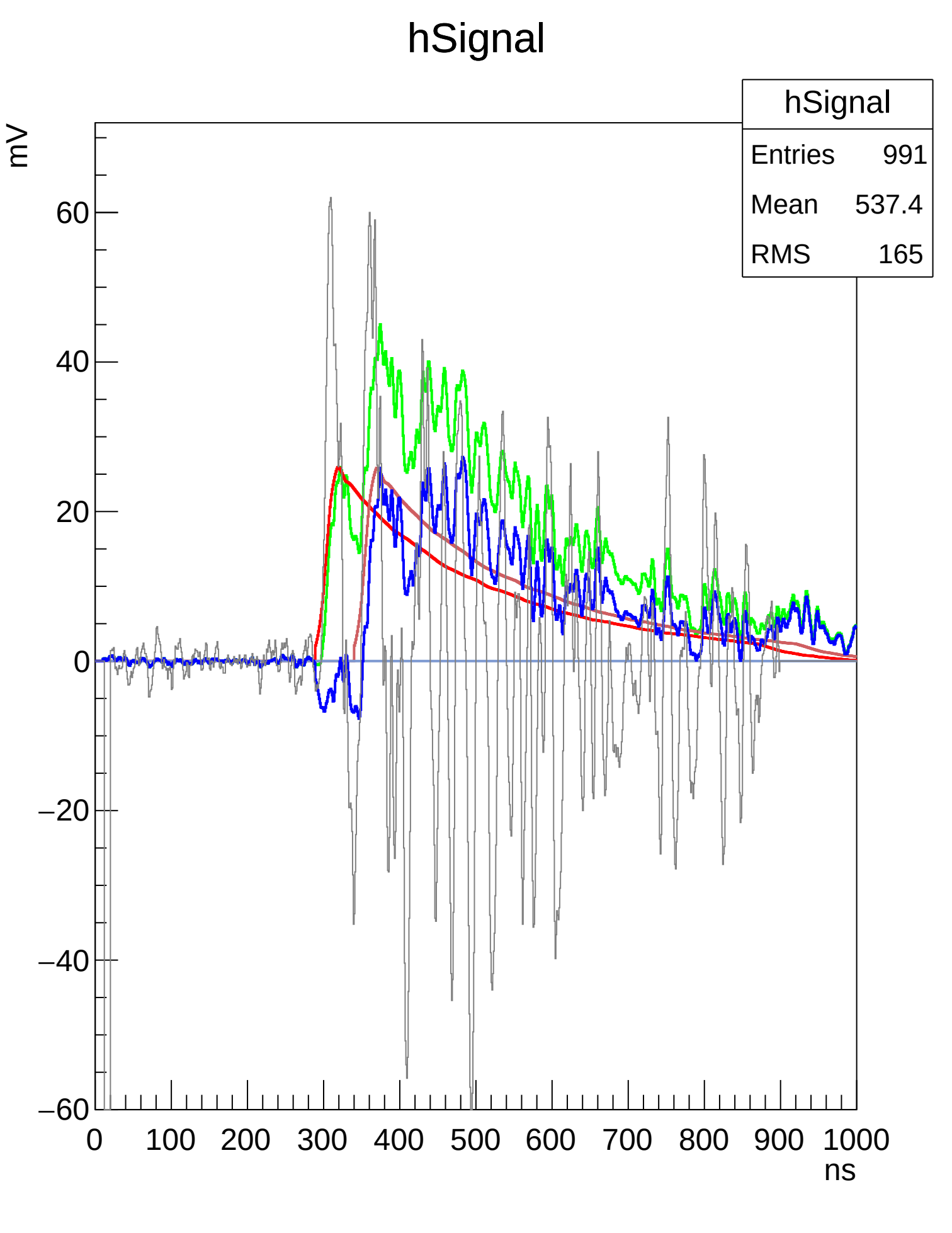
hSignal
hSignal
Entries 991
Mean 537.4
RMS 165
mV
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−20
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0
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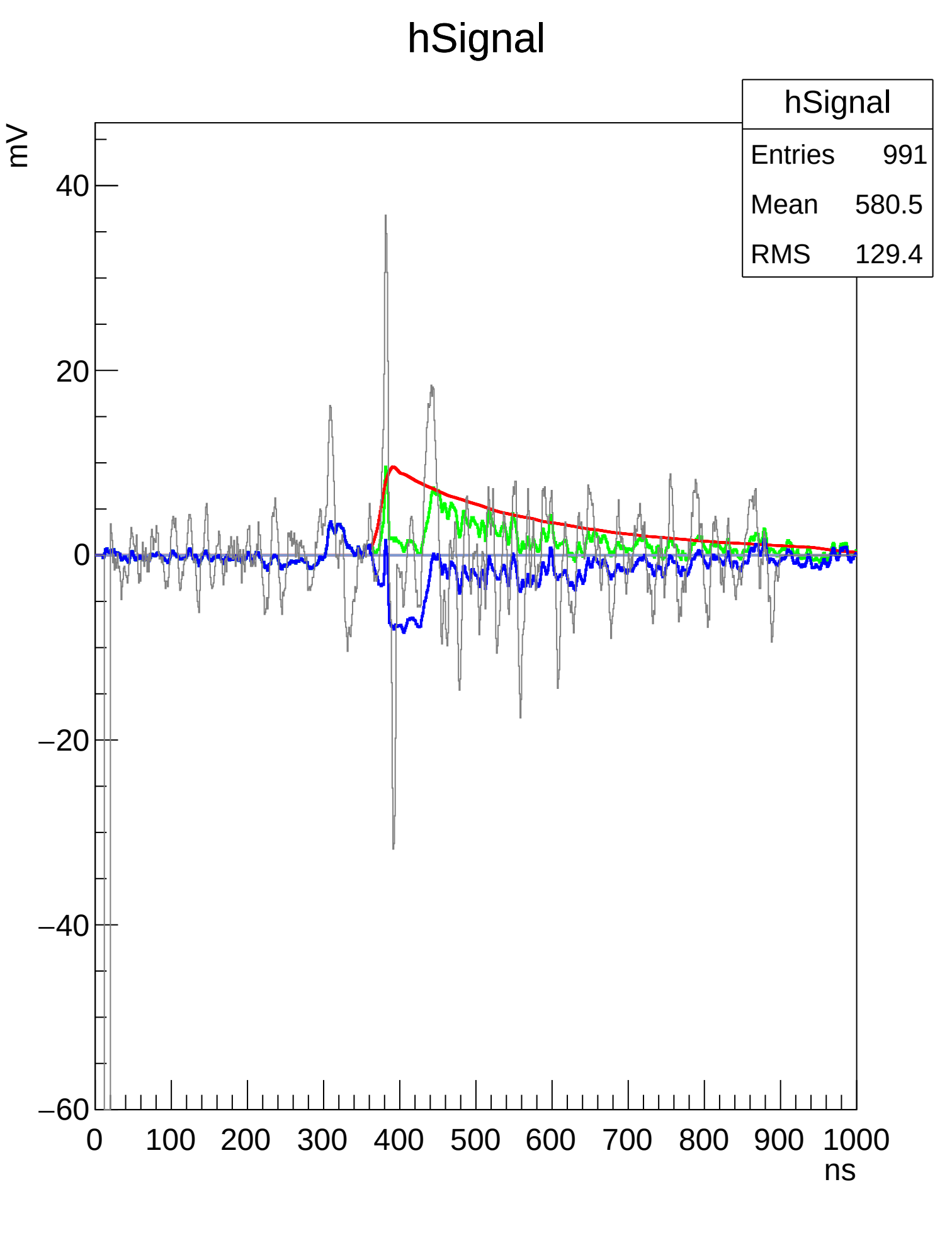
hSignal
hSignal
Entries 991
Mean 580.5
RMS 129.4
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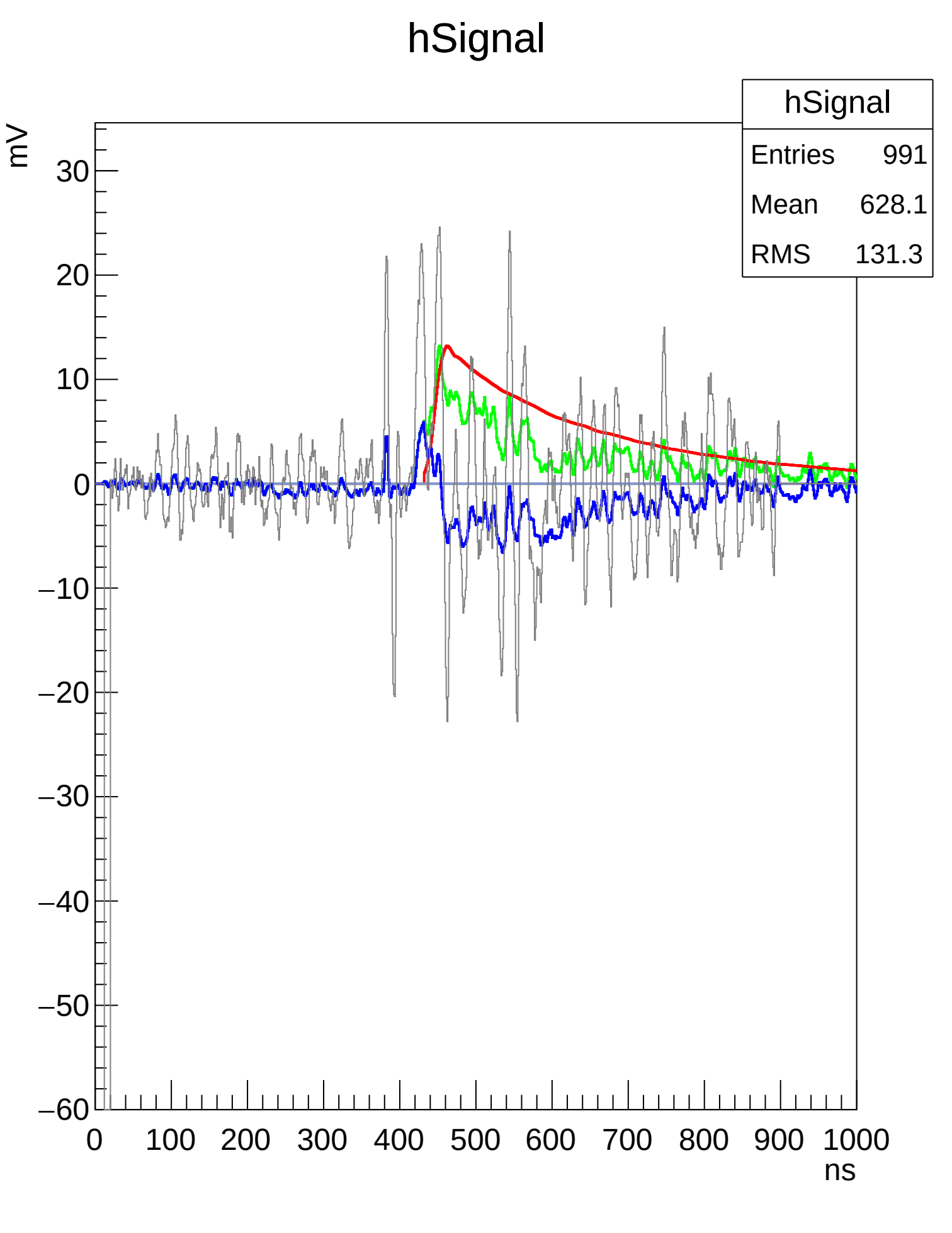
hSignal
hSignal
Entries 991
Mean 628.1
RMS 131.3
mV
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600
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800
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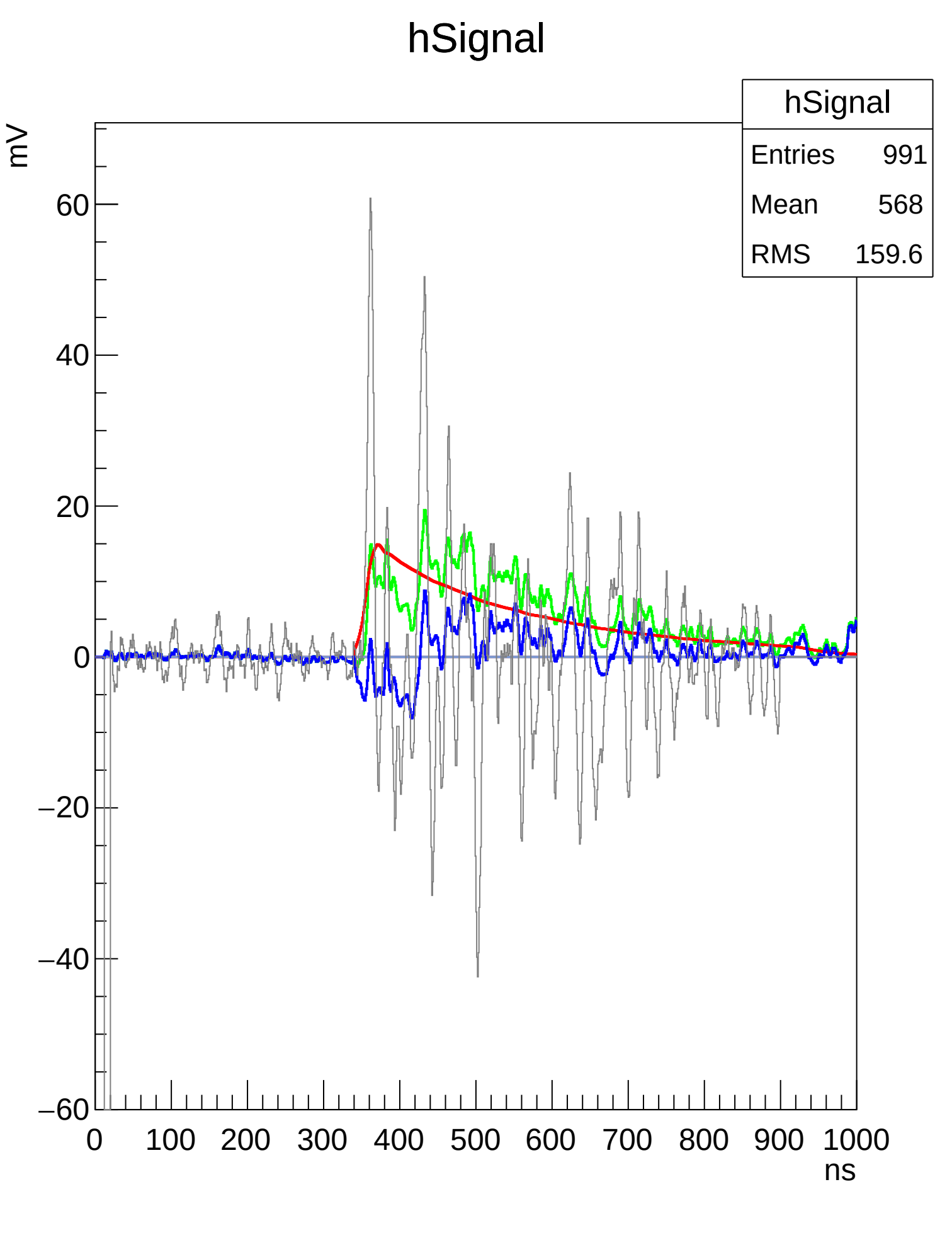
1000
ns


hSignal
hSignal
Entries 991
Mean 568
RMS 159.6
mV
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−20
−40
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0
100
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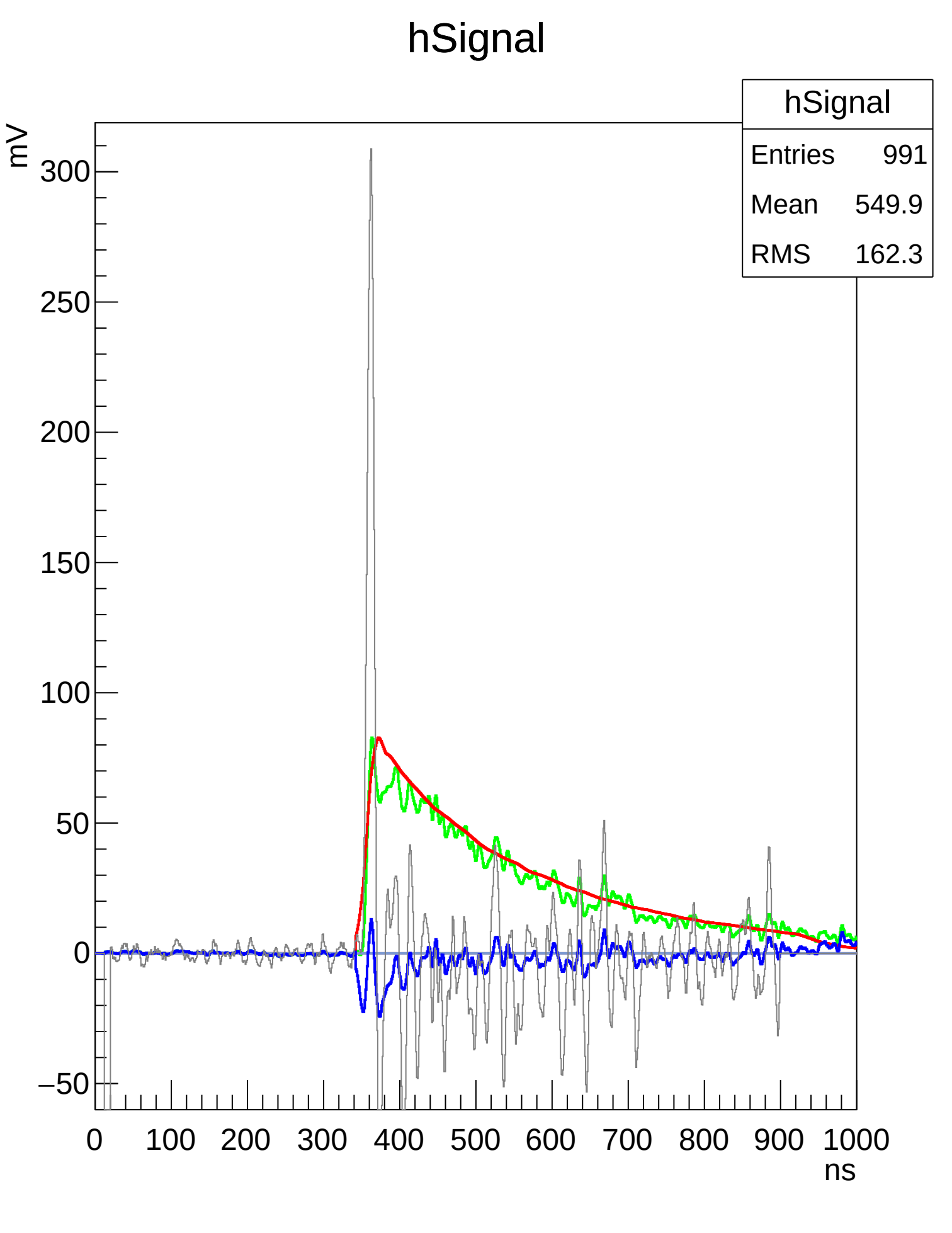
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.9
RMS 162.3
mV
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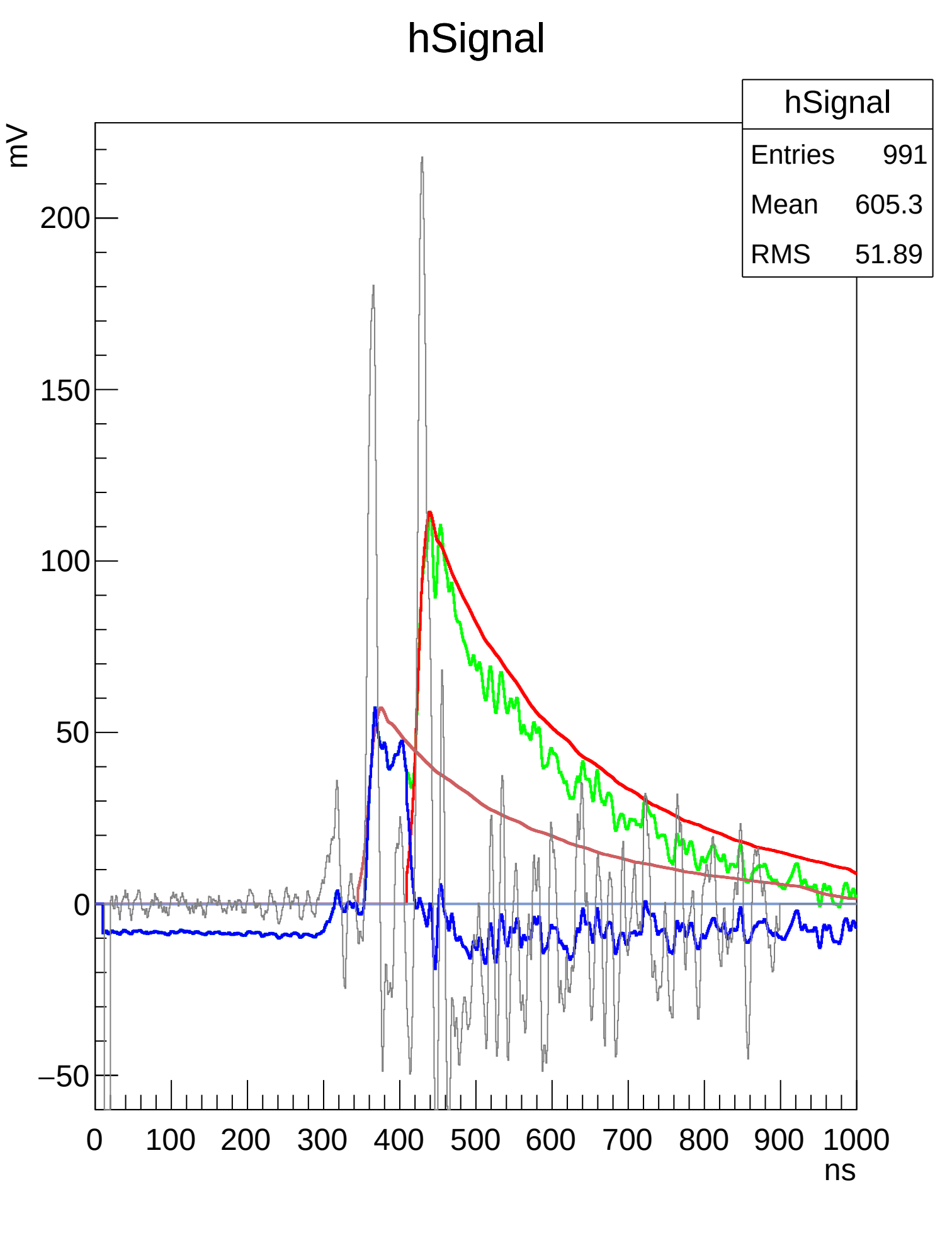
1000
ns


hSignal
hSignal
Entries 991
Mean 605.3
RMS 51.89
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1000
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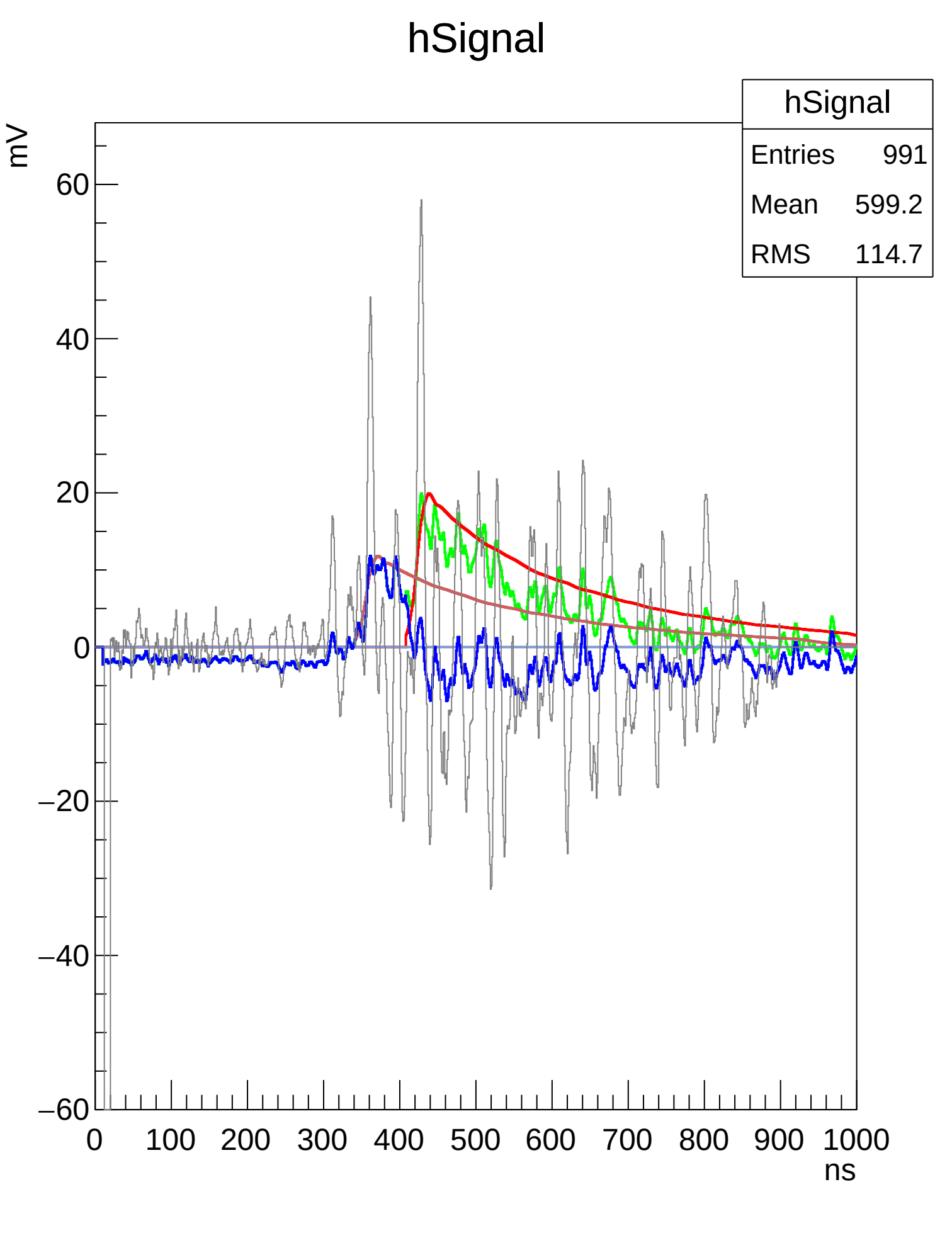
hSignal
hSignal
Entries 991
Mean 599.2
RMS 114.7
mV
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600
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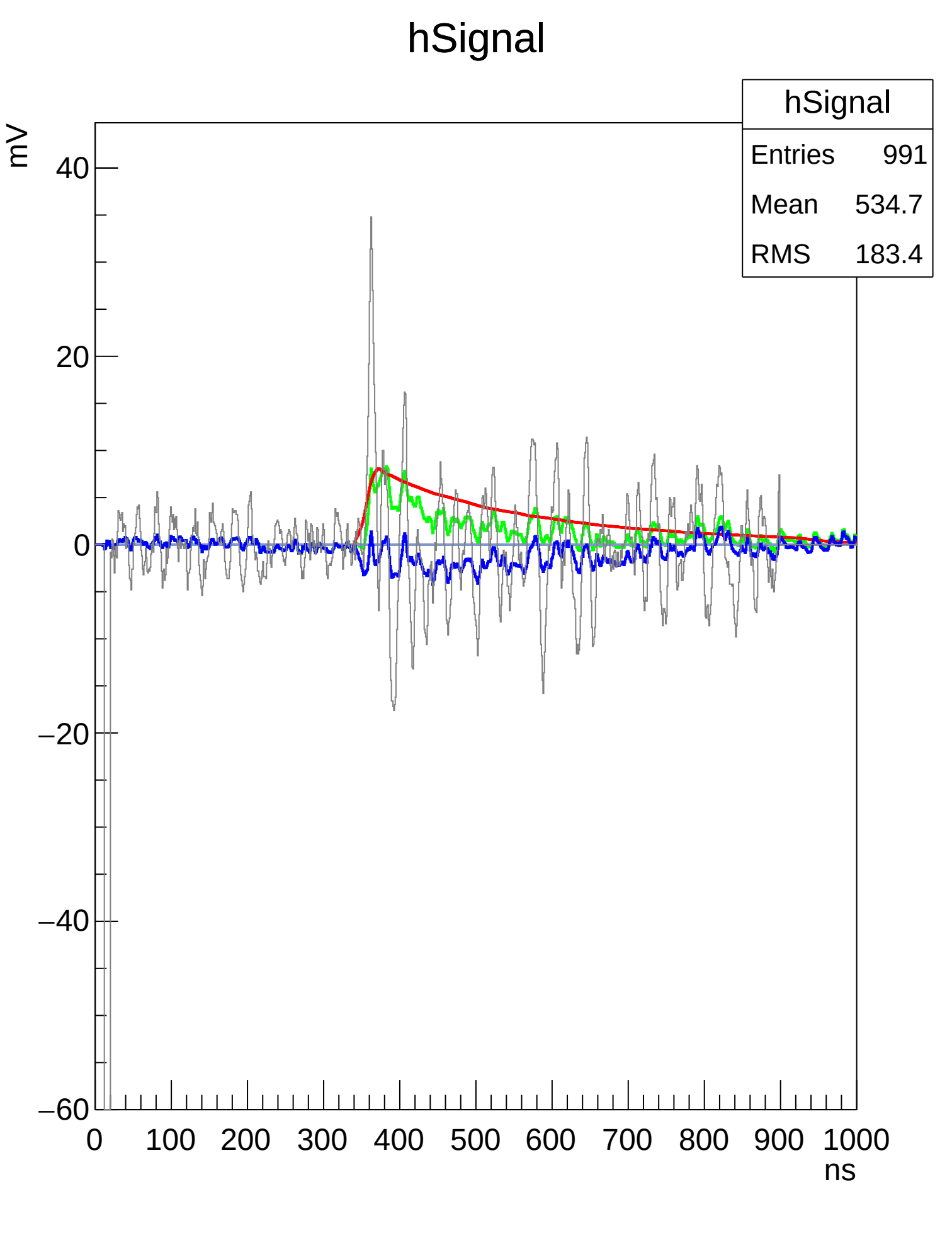
1000
ns


hSignal
hSignal
Entries 991
Mean 534.7
RMS 183.4
mV
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−20
−40
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100
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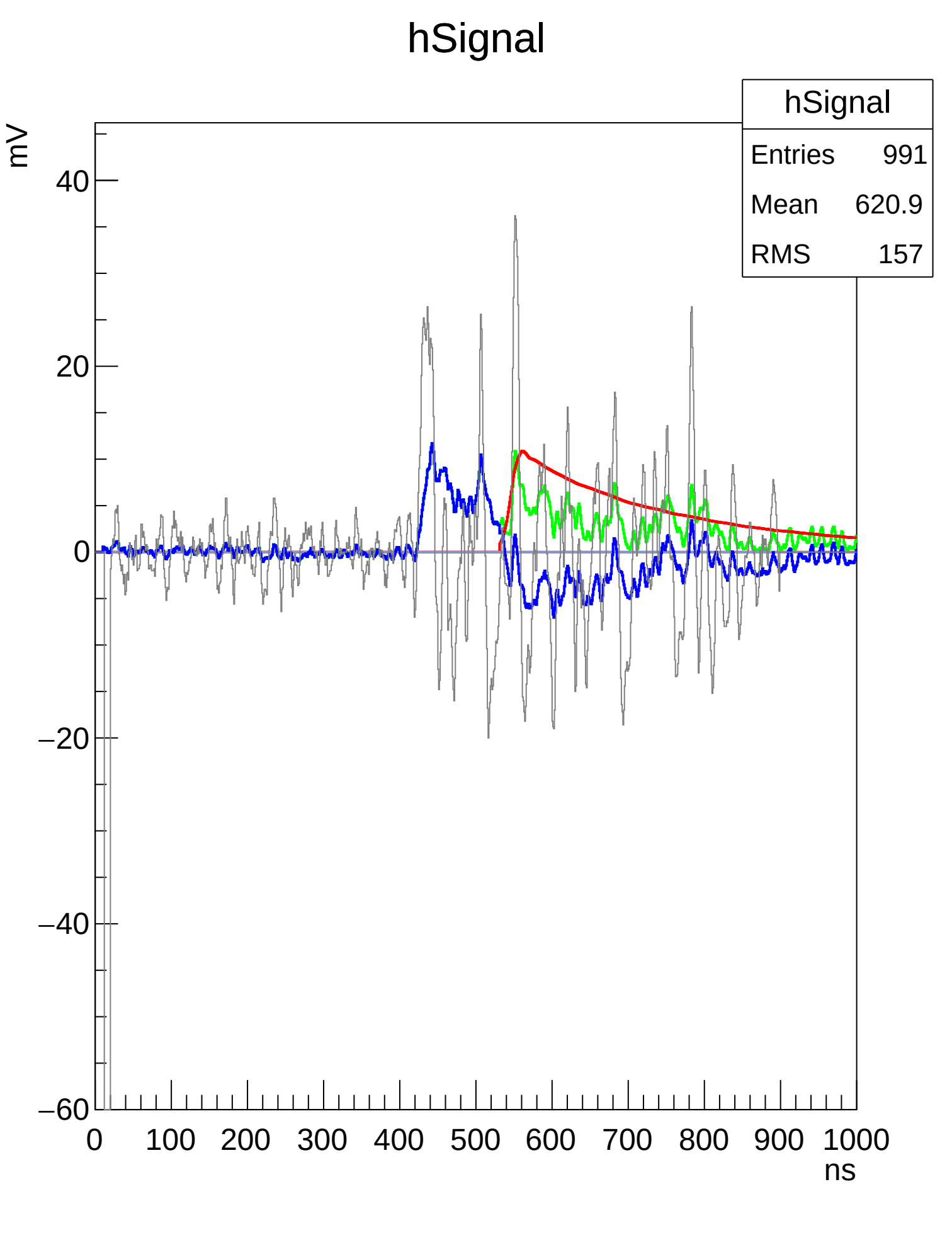
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.9
RMS 157
mV
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−20
−40
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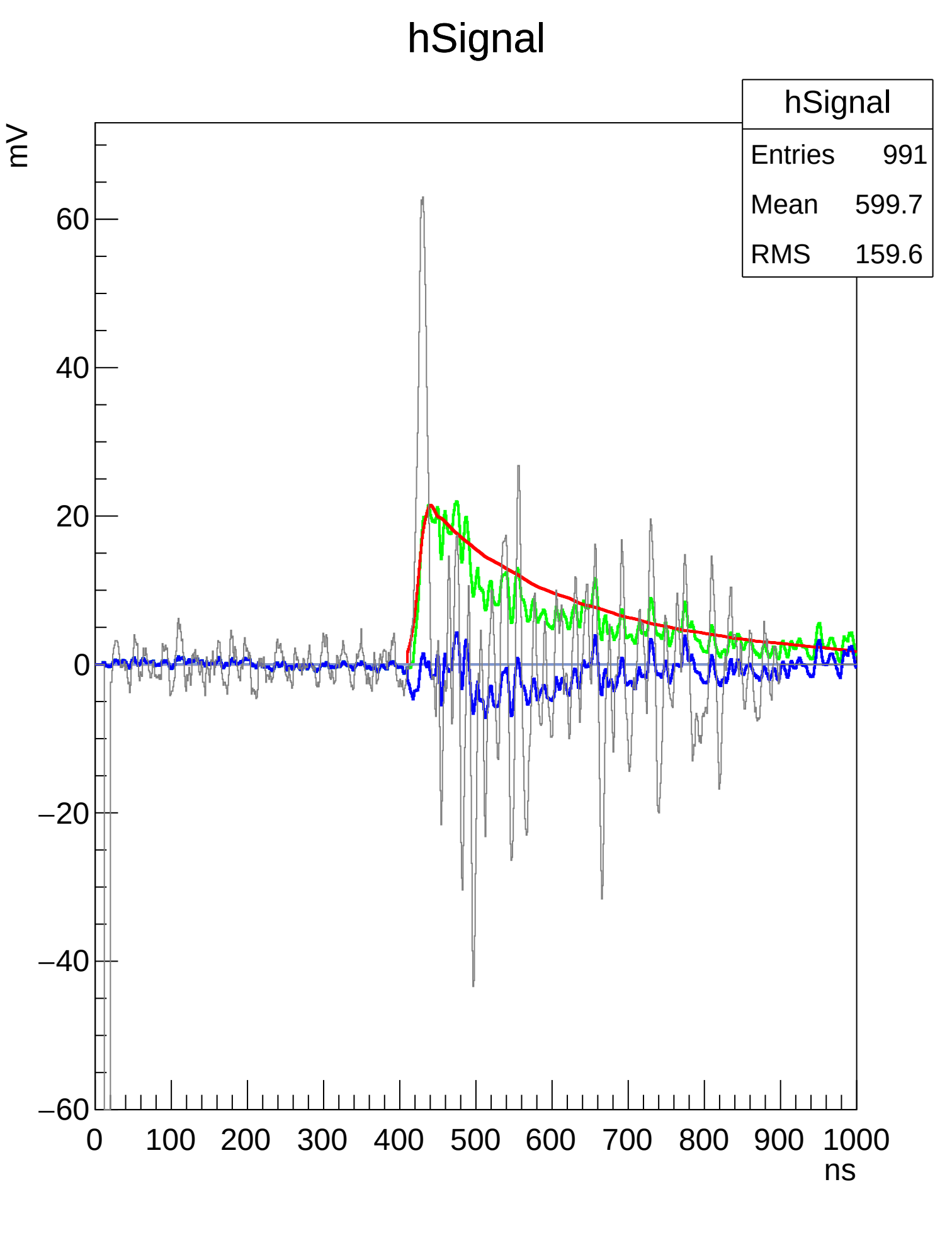
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.7
RMS 159.6
mV
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−20
−40
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0
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600
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800
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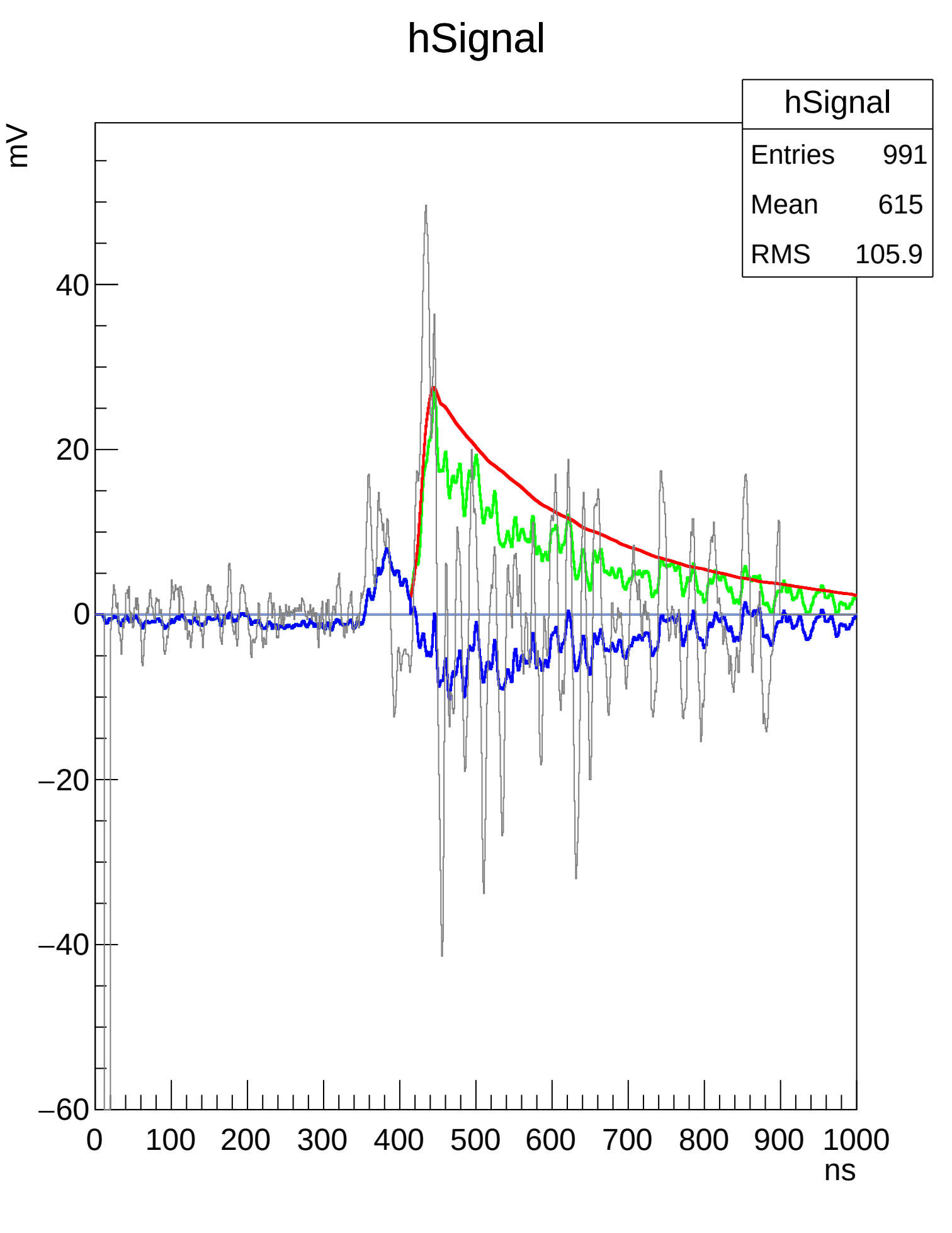
1000
ns


hSignal
hSignal
Entries 991
Mean 615
RMS 105.9
mV
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−20
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700
800
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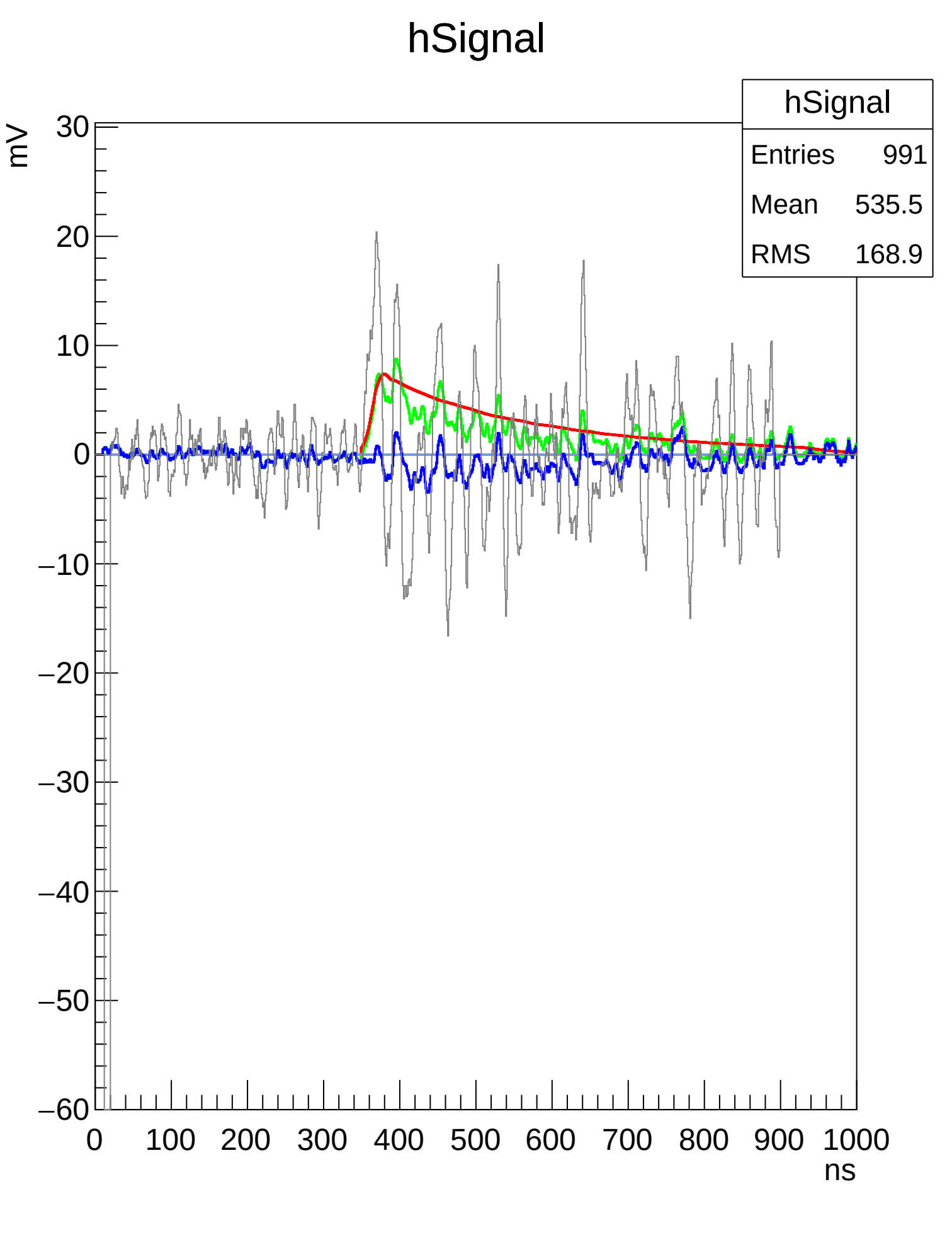
1000
ns


hSignal
hSignal
Entries 991
Mean 535.5
RMS 168.9
mV
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20
10
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0
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200
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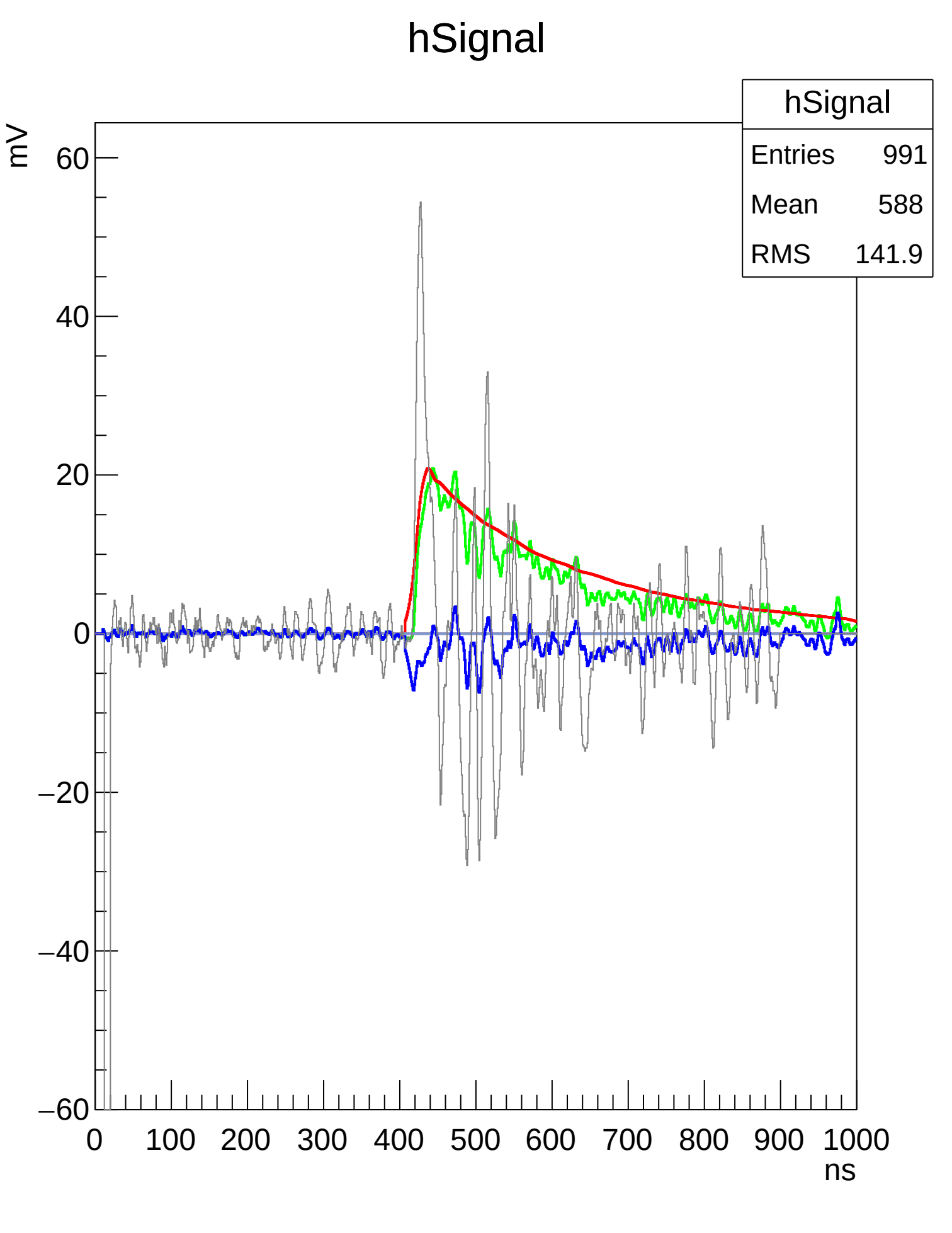
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 141.9
mV
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40
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0
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−40
−60
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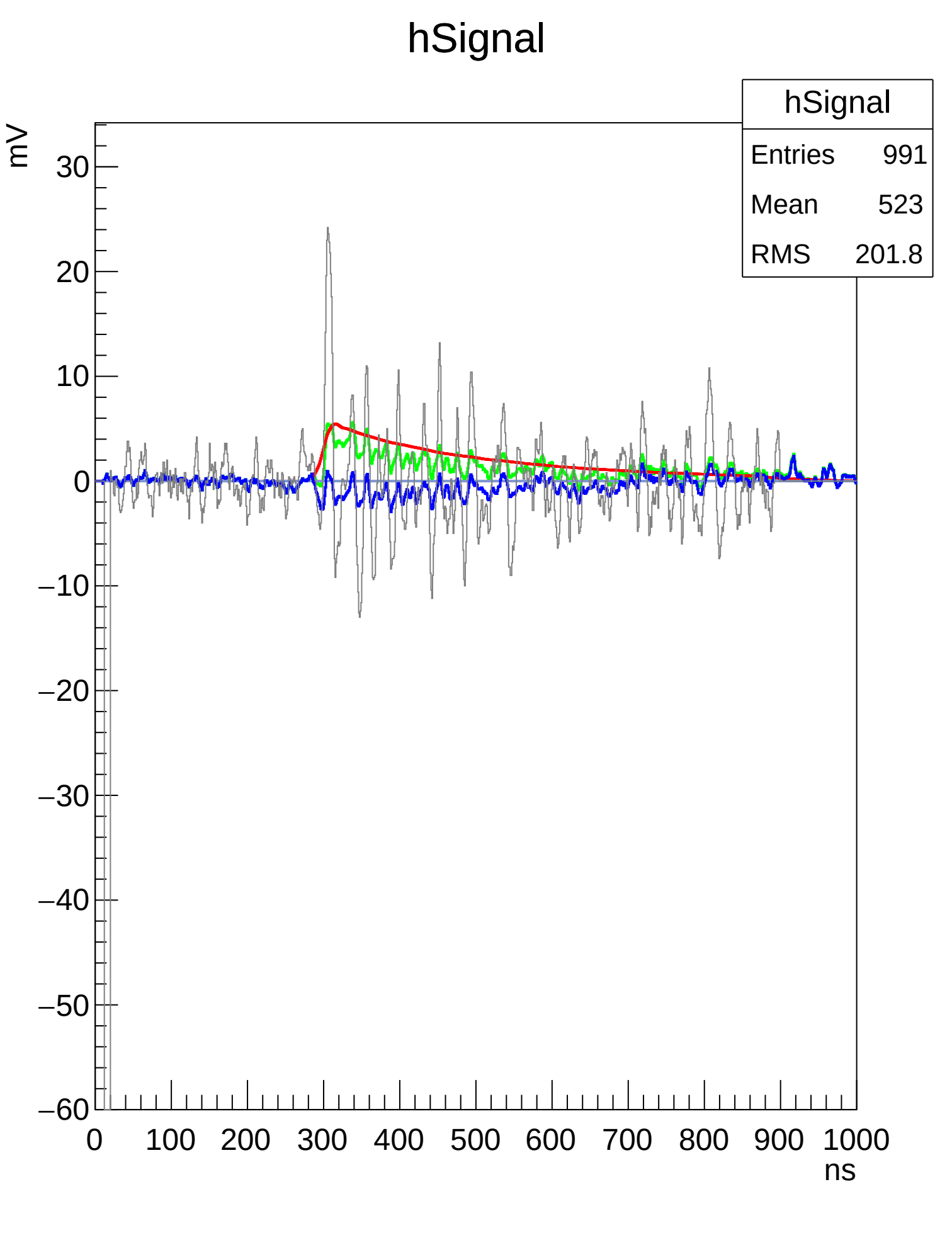
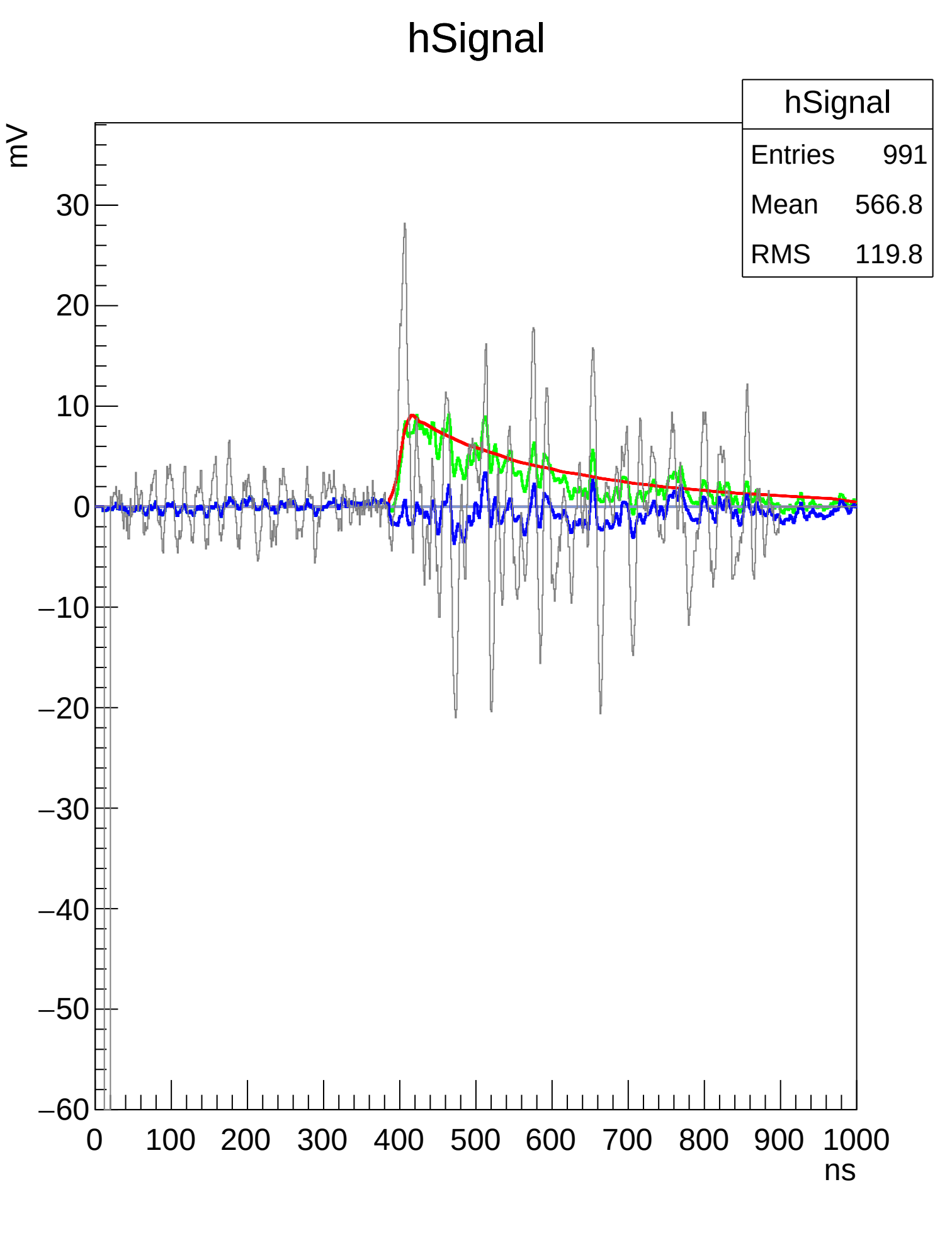
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523
RMS 201.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.8
RMS 119.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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600
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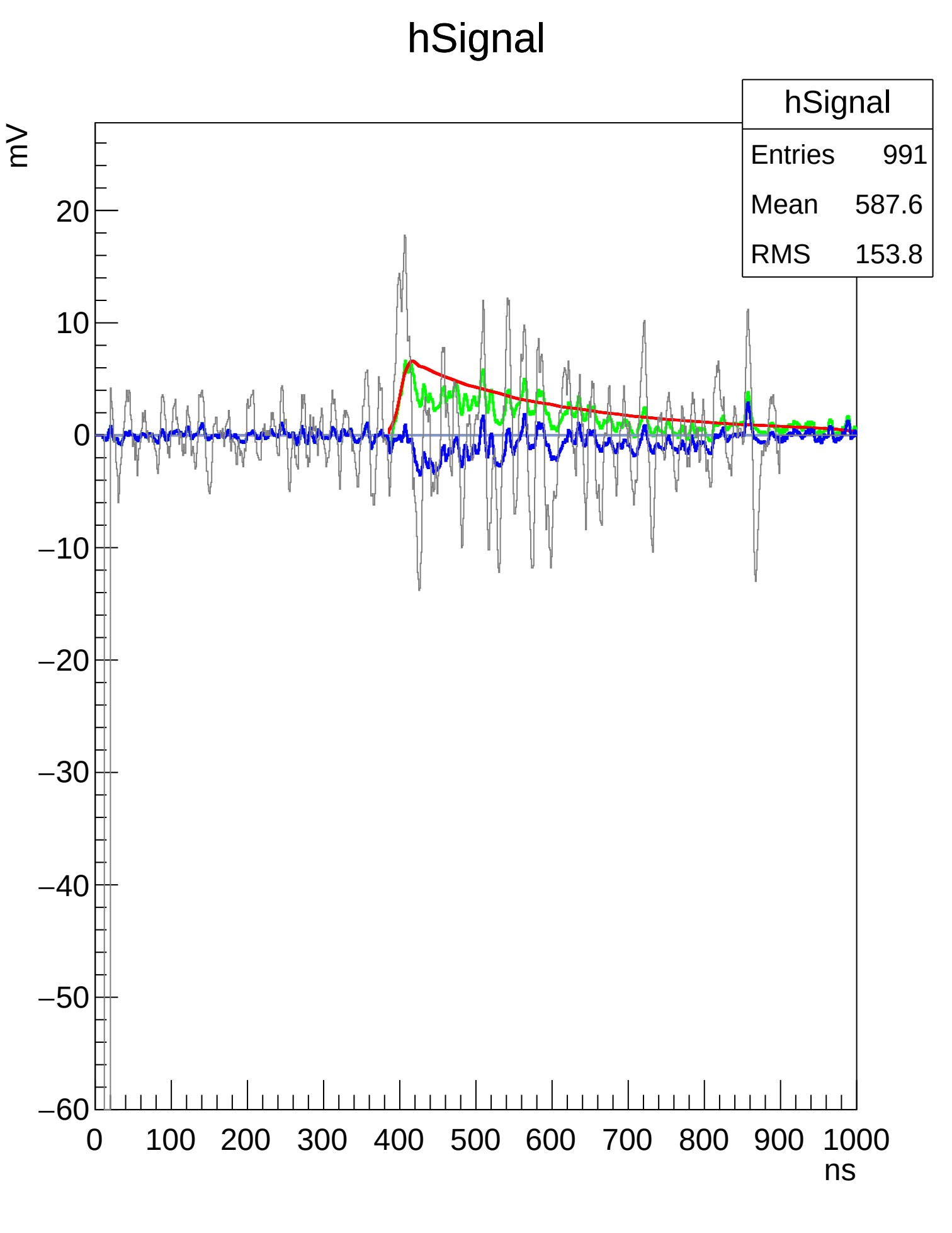
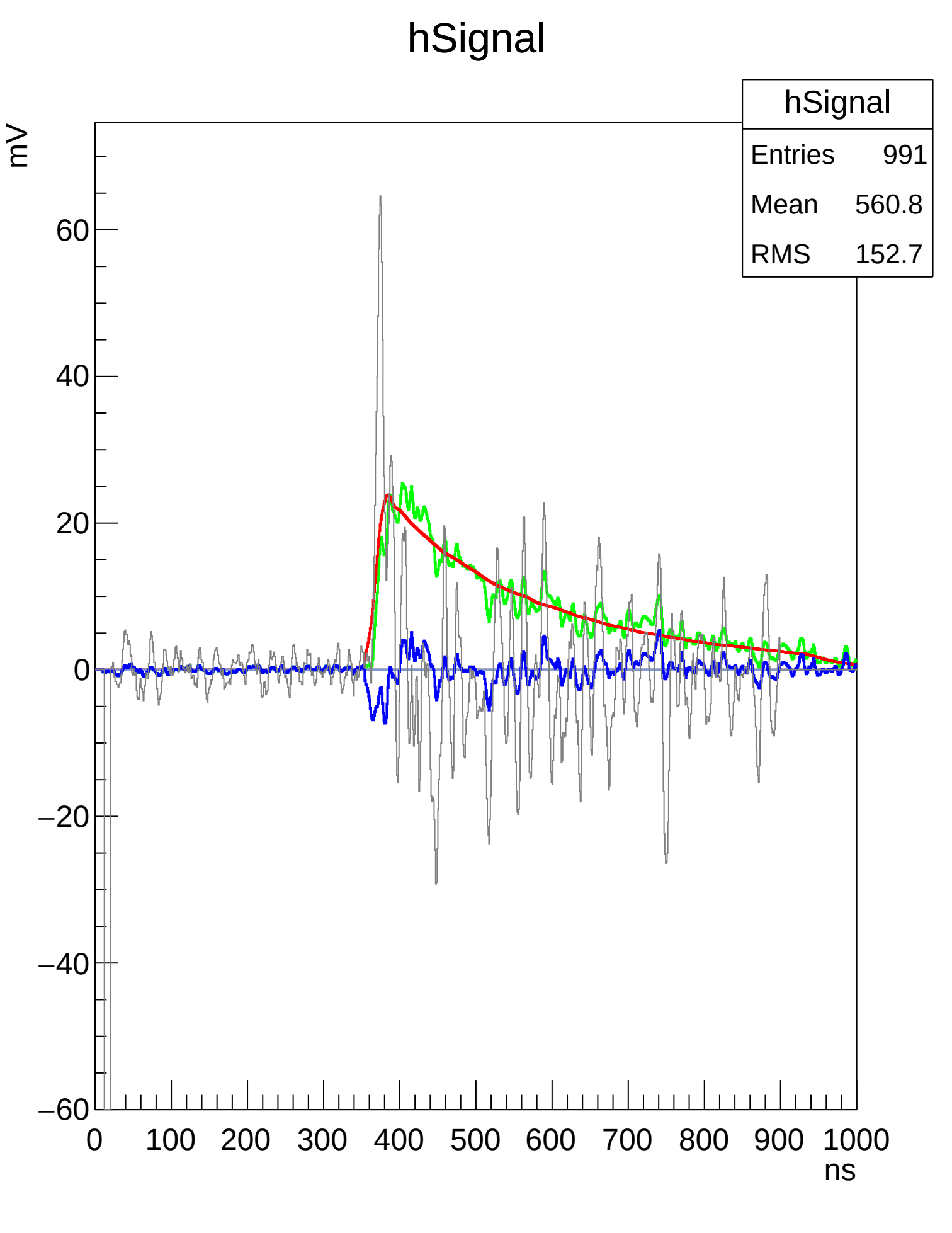
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.6
RMS 153.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.8
RMS 152.7
mV
60
40
20
0
−20
−40
−60
0
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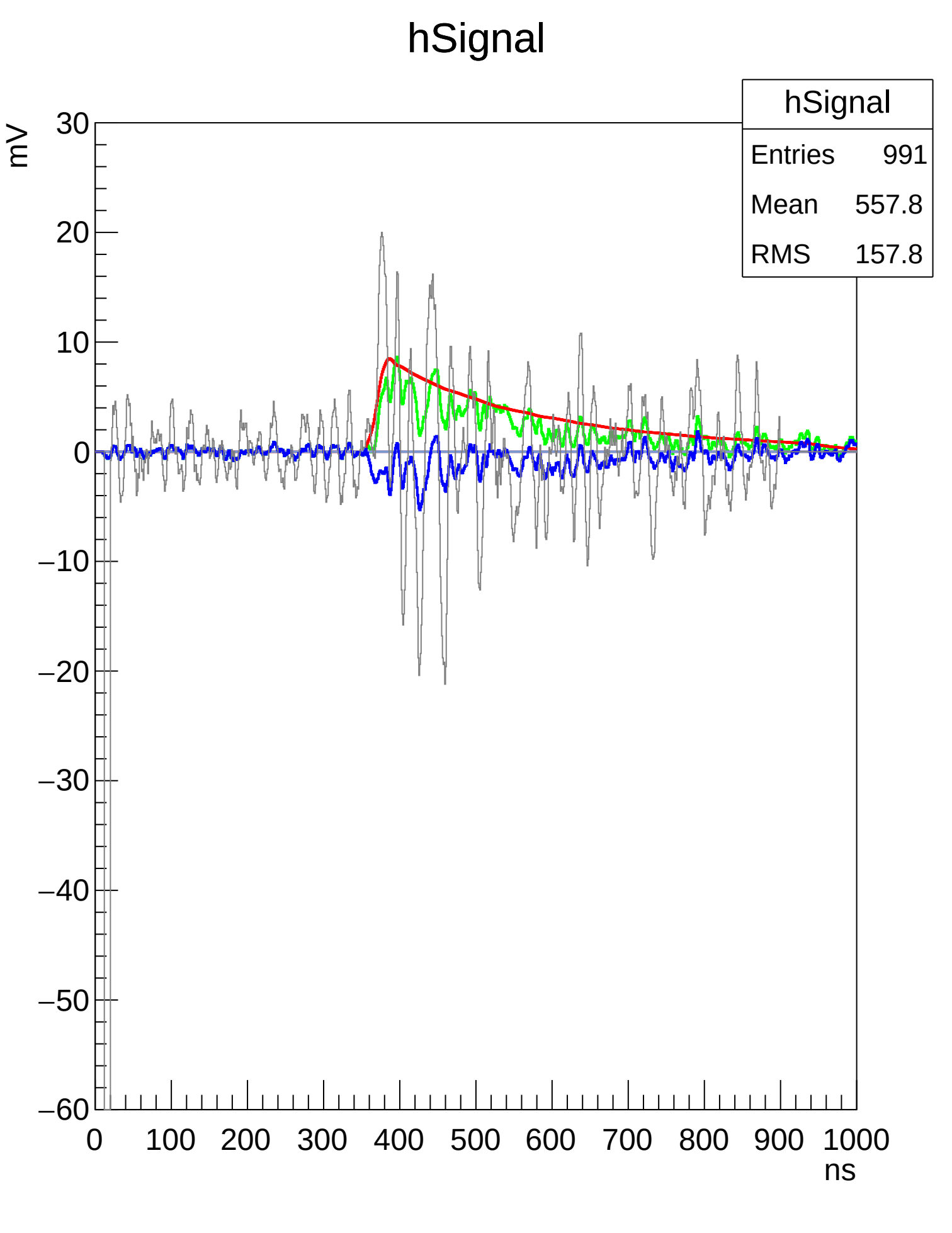
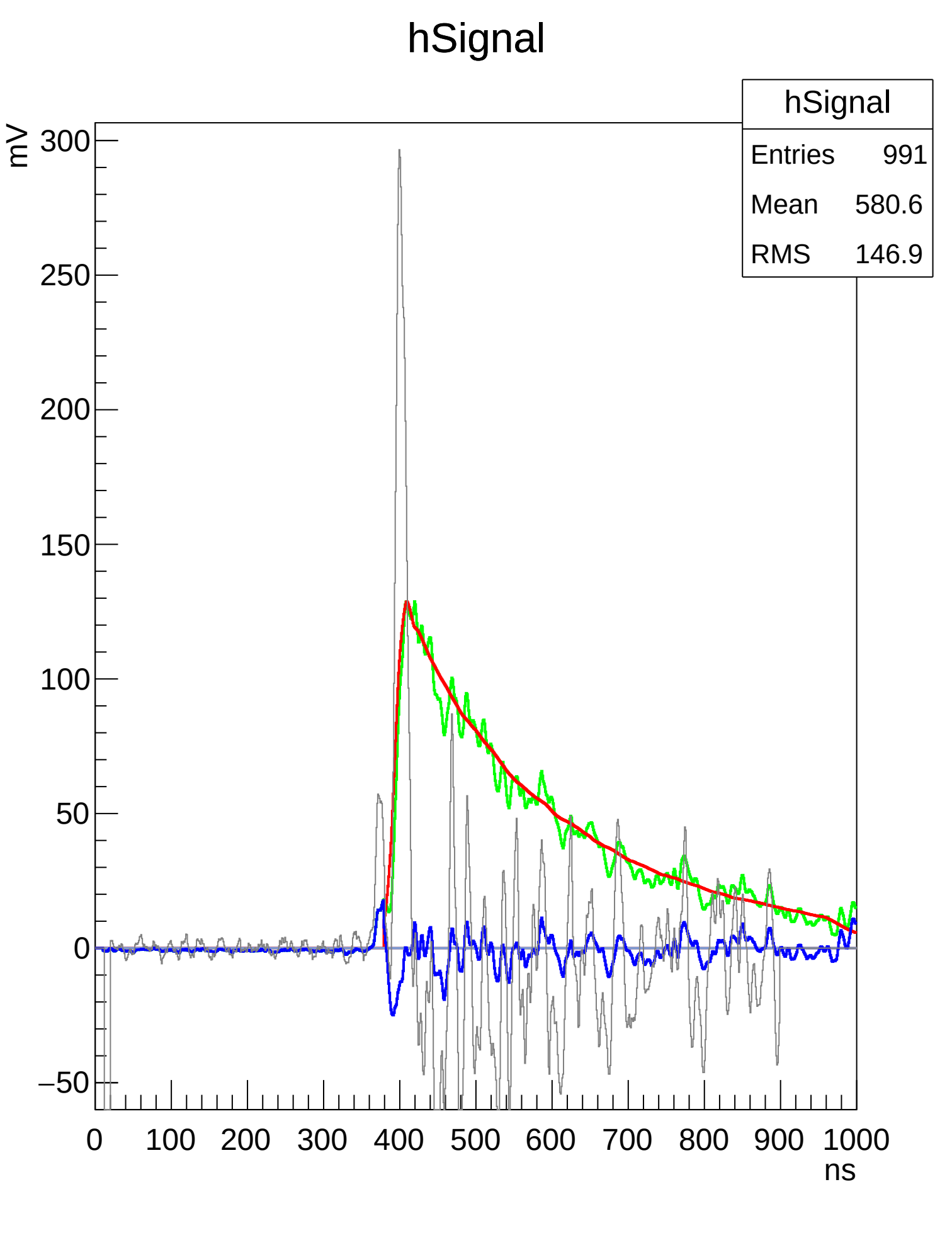
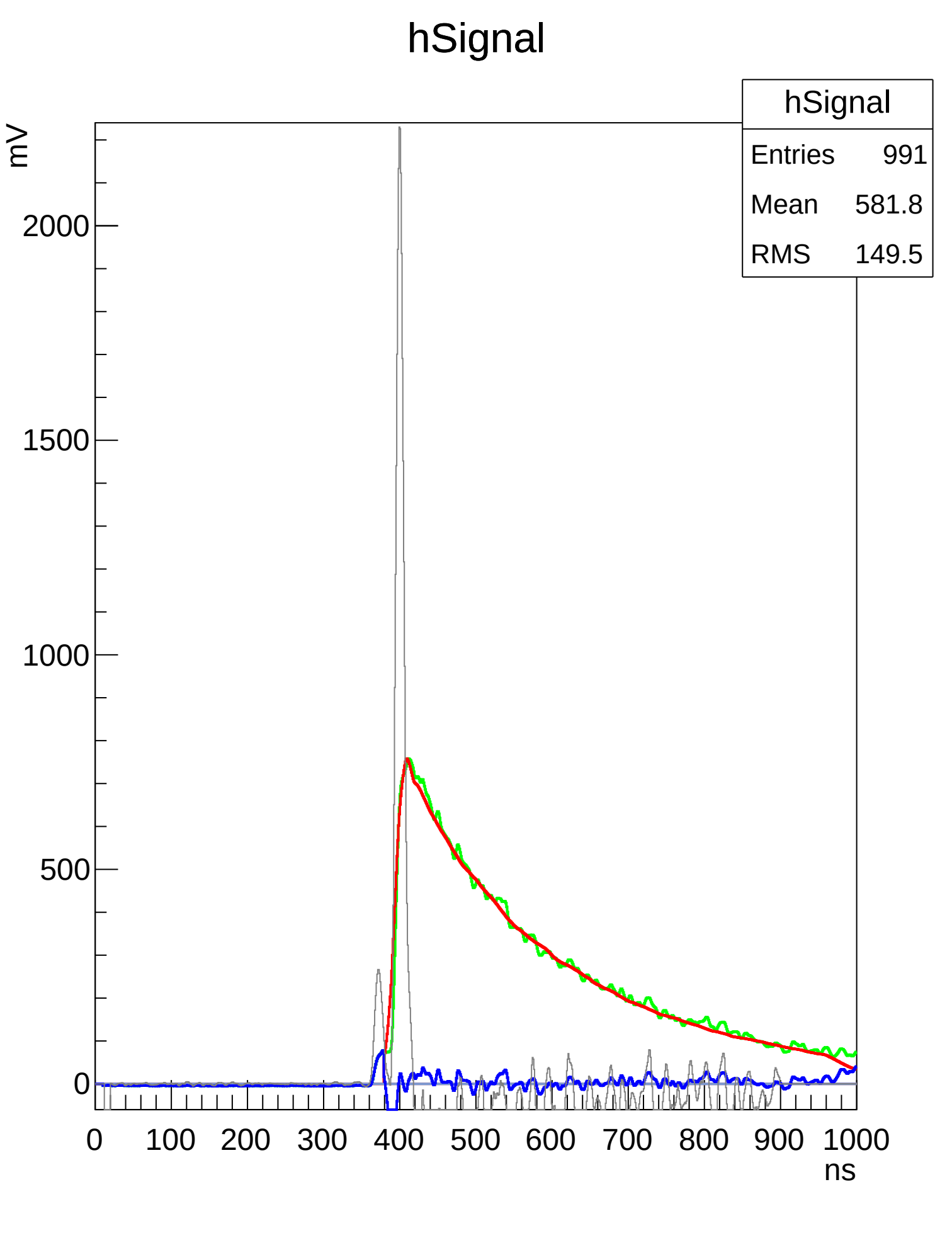
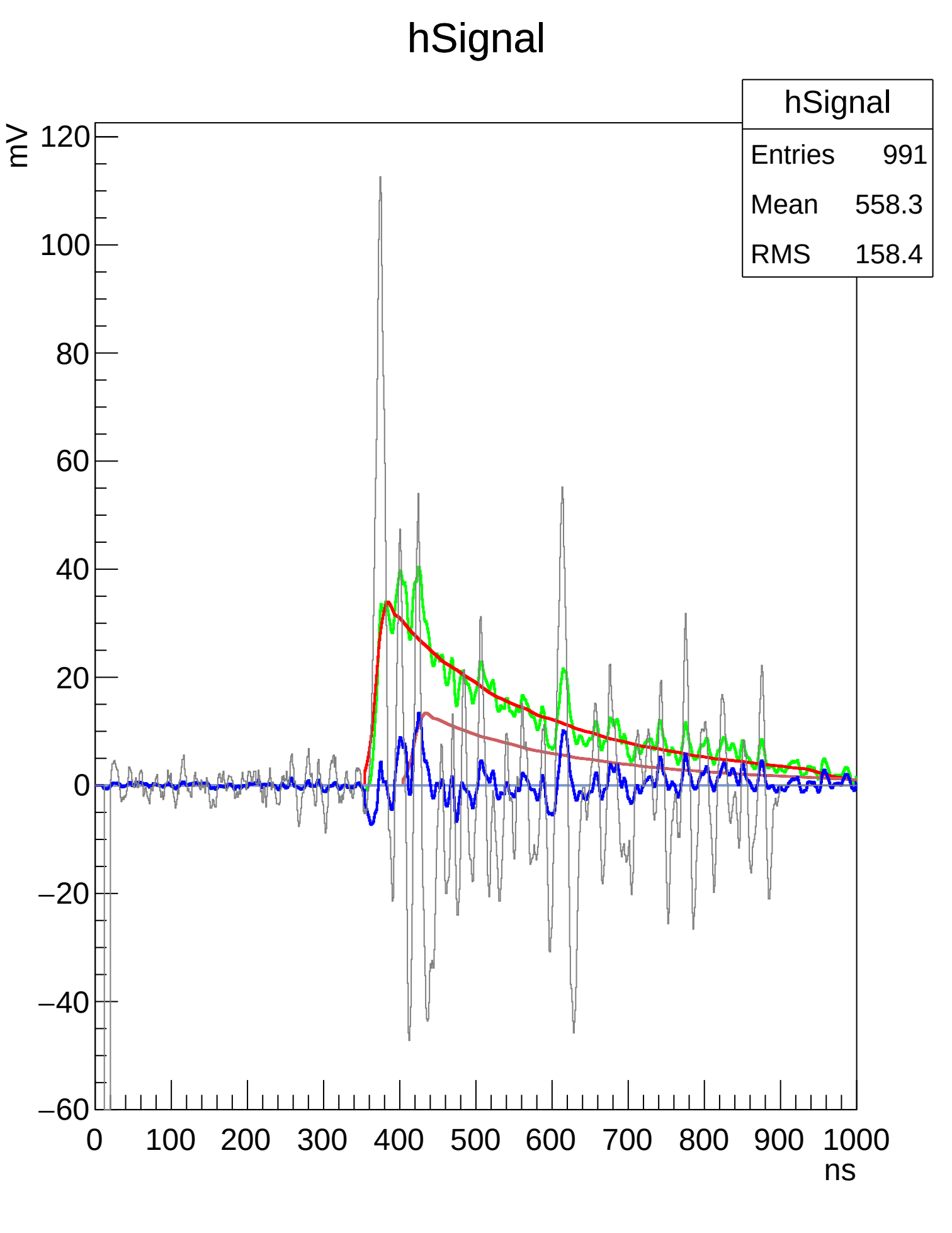
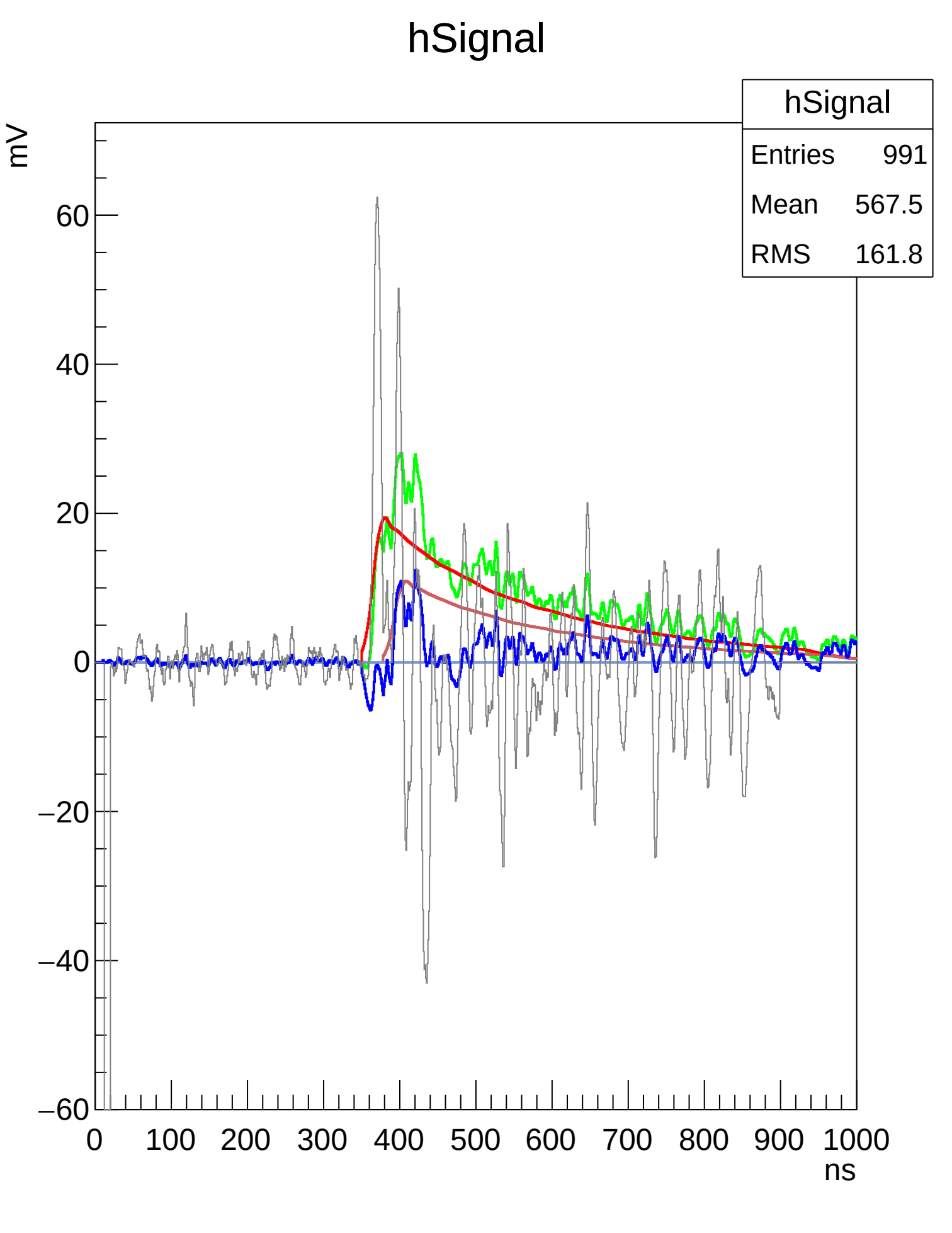
600
700
800
900
1000
ns

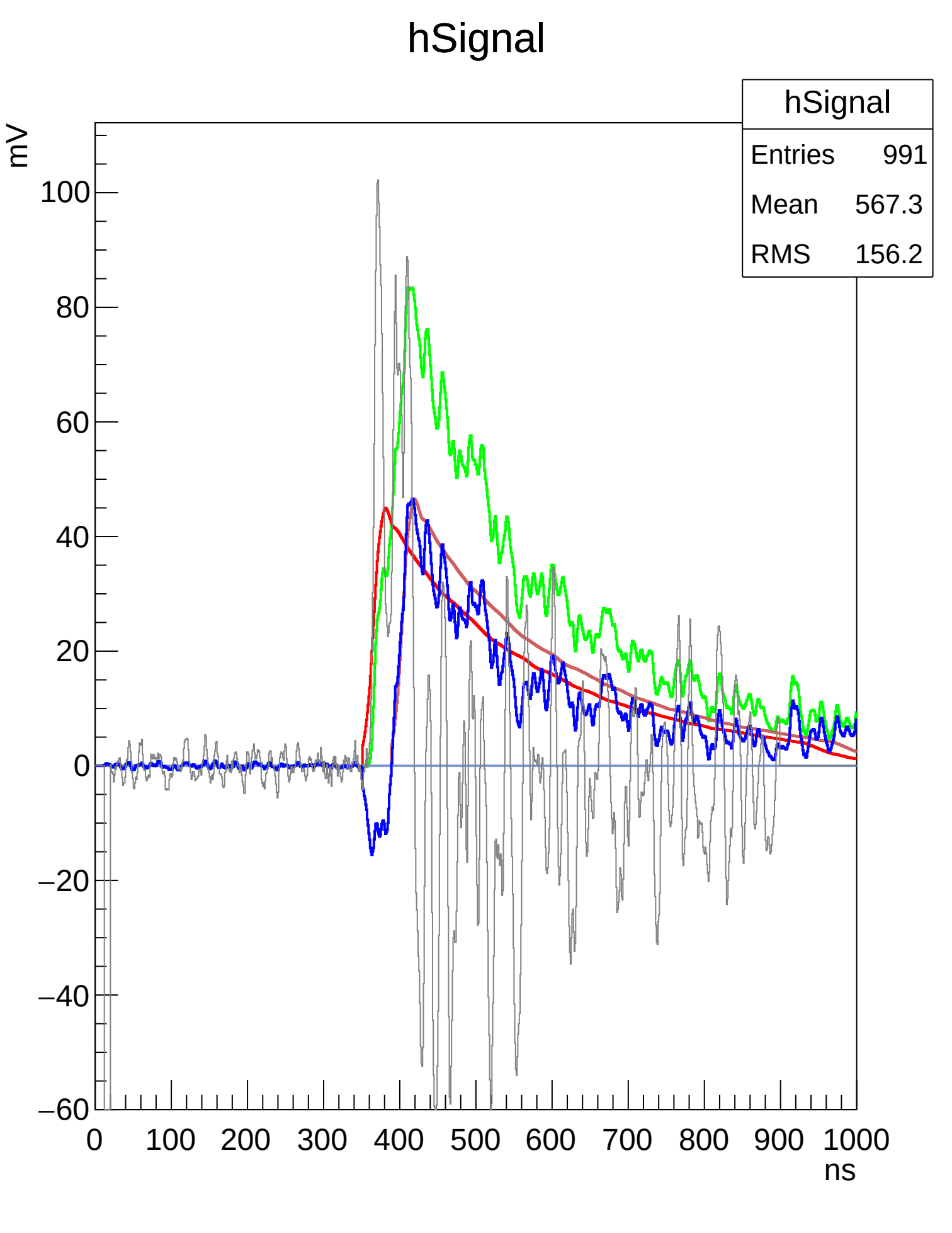

hSignal
hSignal
Entries 991
Mean 557.8
RMS 157.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

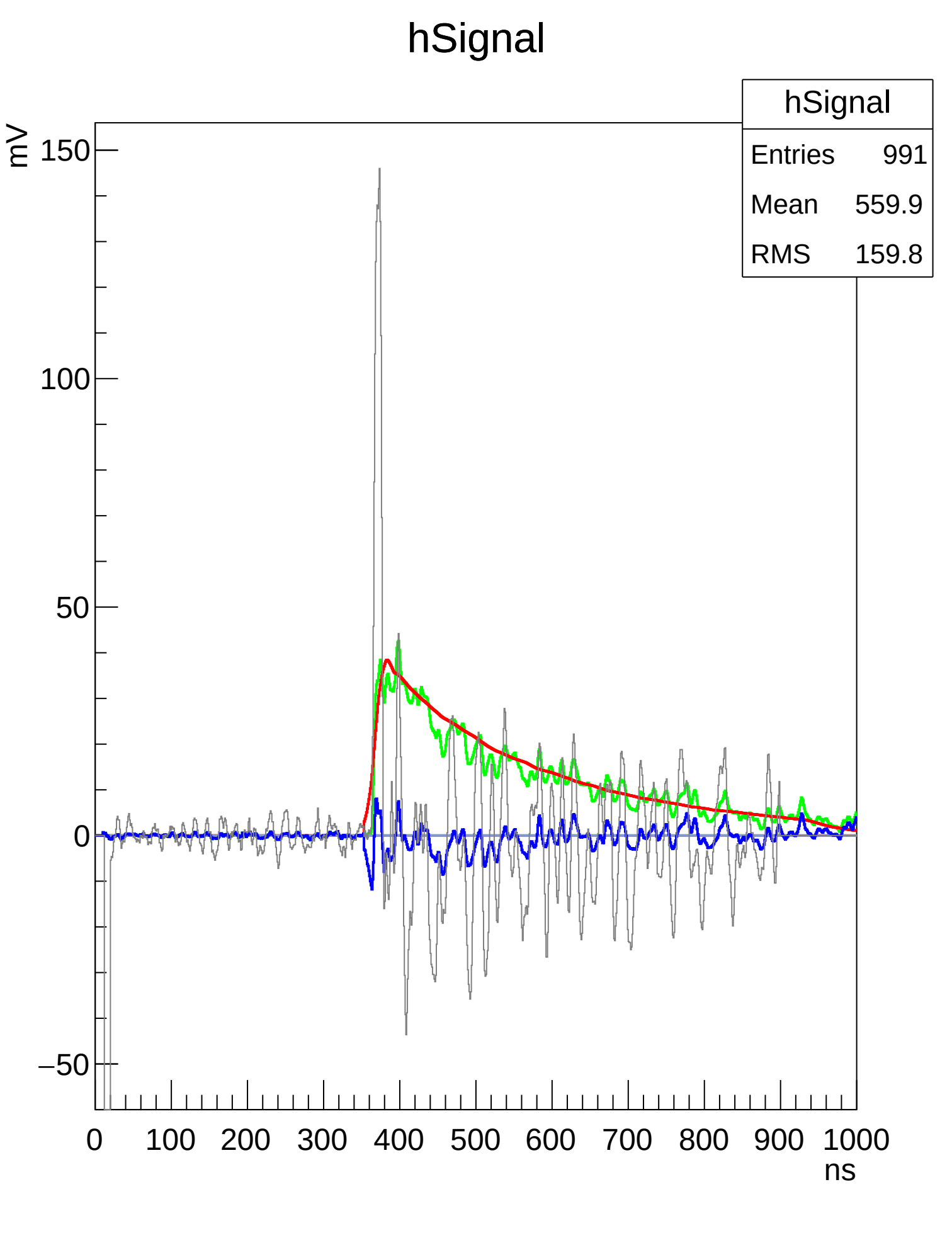

hSignal
hSignal
Entries 991
Mean 580.6
RMS 146.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.8
RMS 149.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 558.3
RMS 158.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.5
RMS 161.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.3
RMS 156.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.9
RMS 159.8
mV
150
100
50
0
−50
0
100
200
300
400
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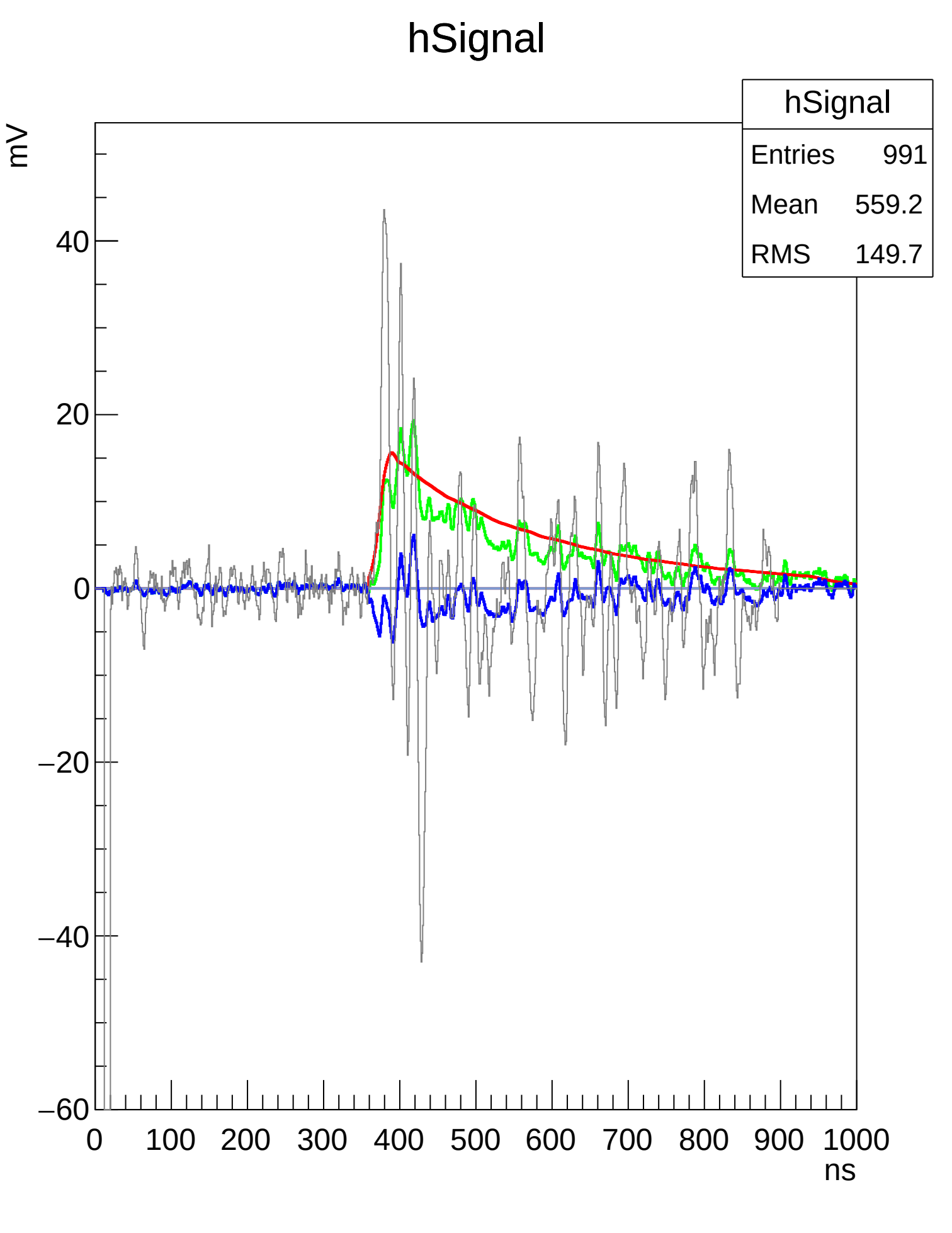
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.2
RMS 149.7
mV
40
20
0
−20
−40
−60
0
100
200
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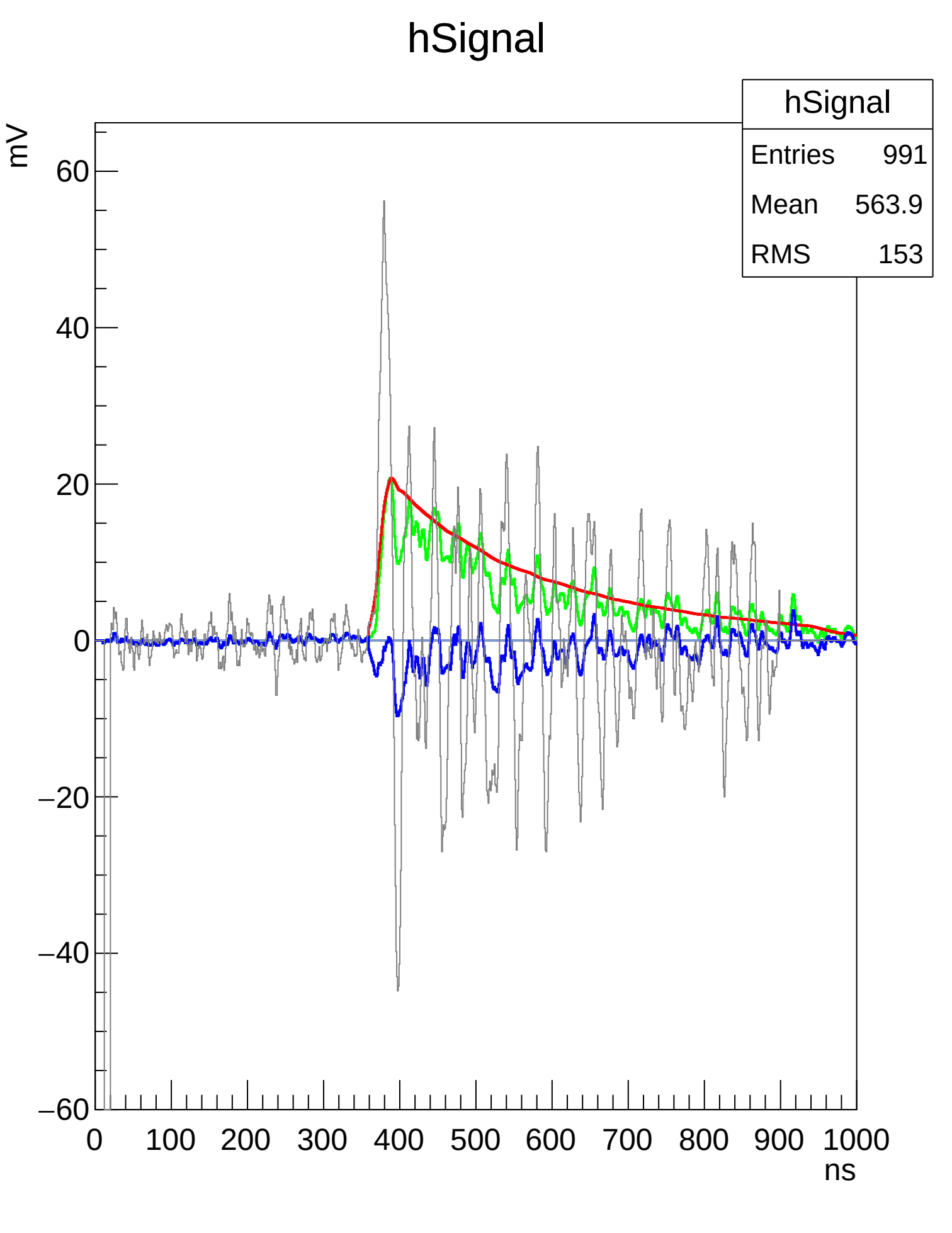
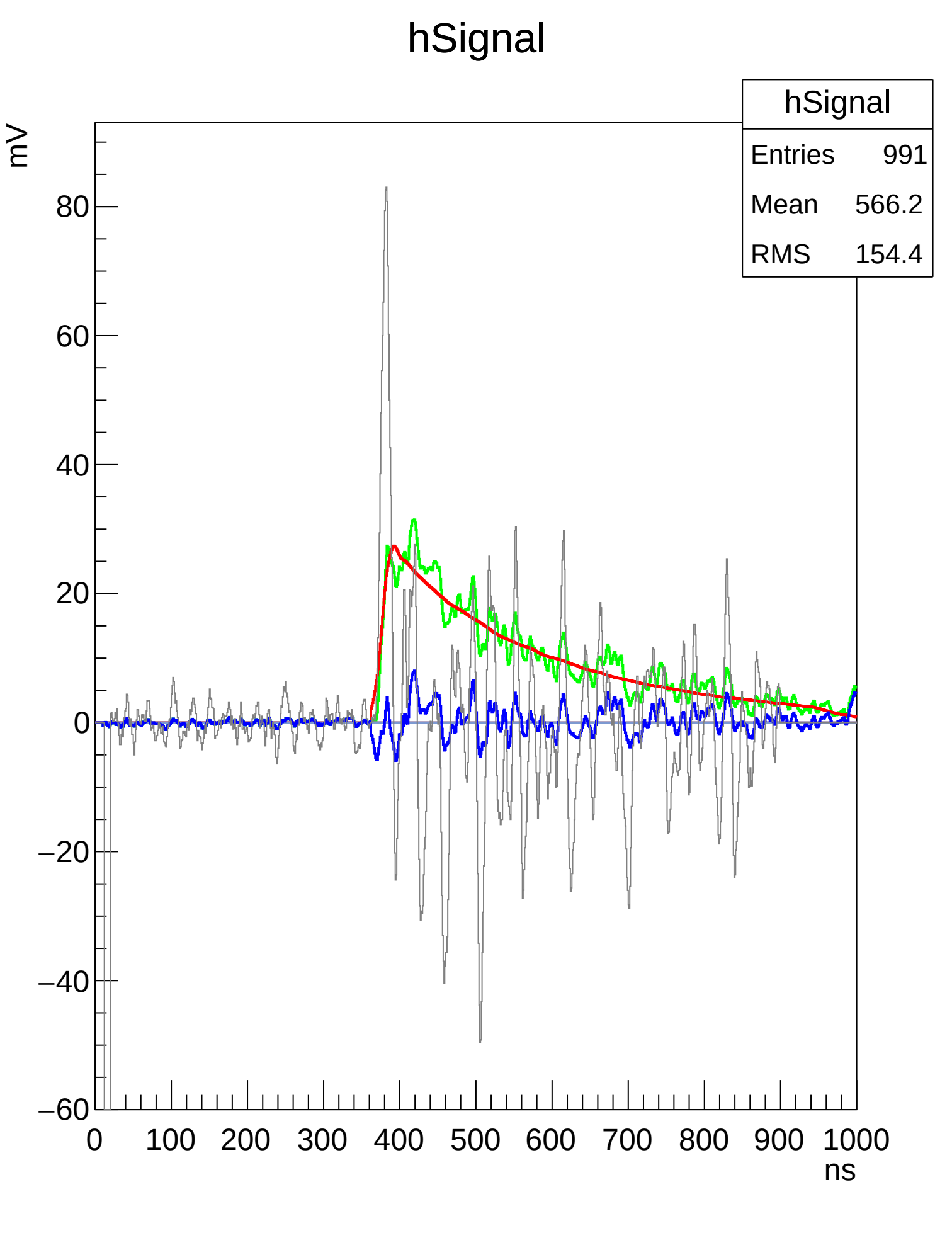
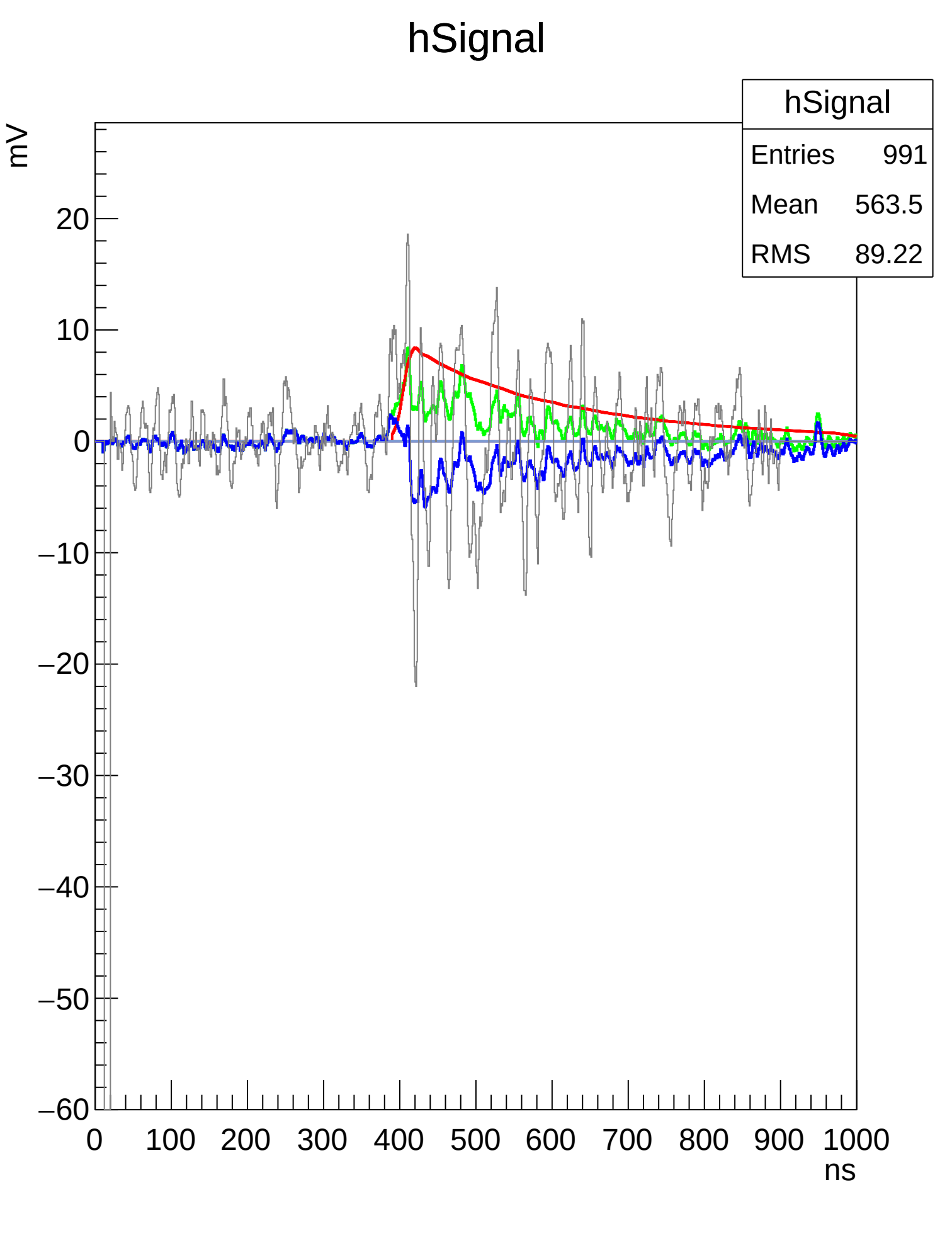
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.9
RMS 153
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.2
RMS 154.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.5
RMS 89.22
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
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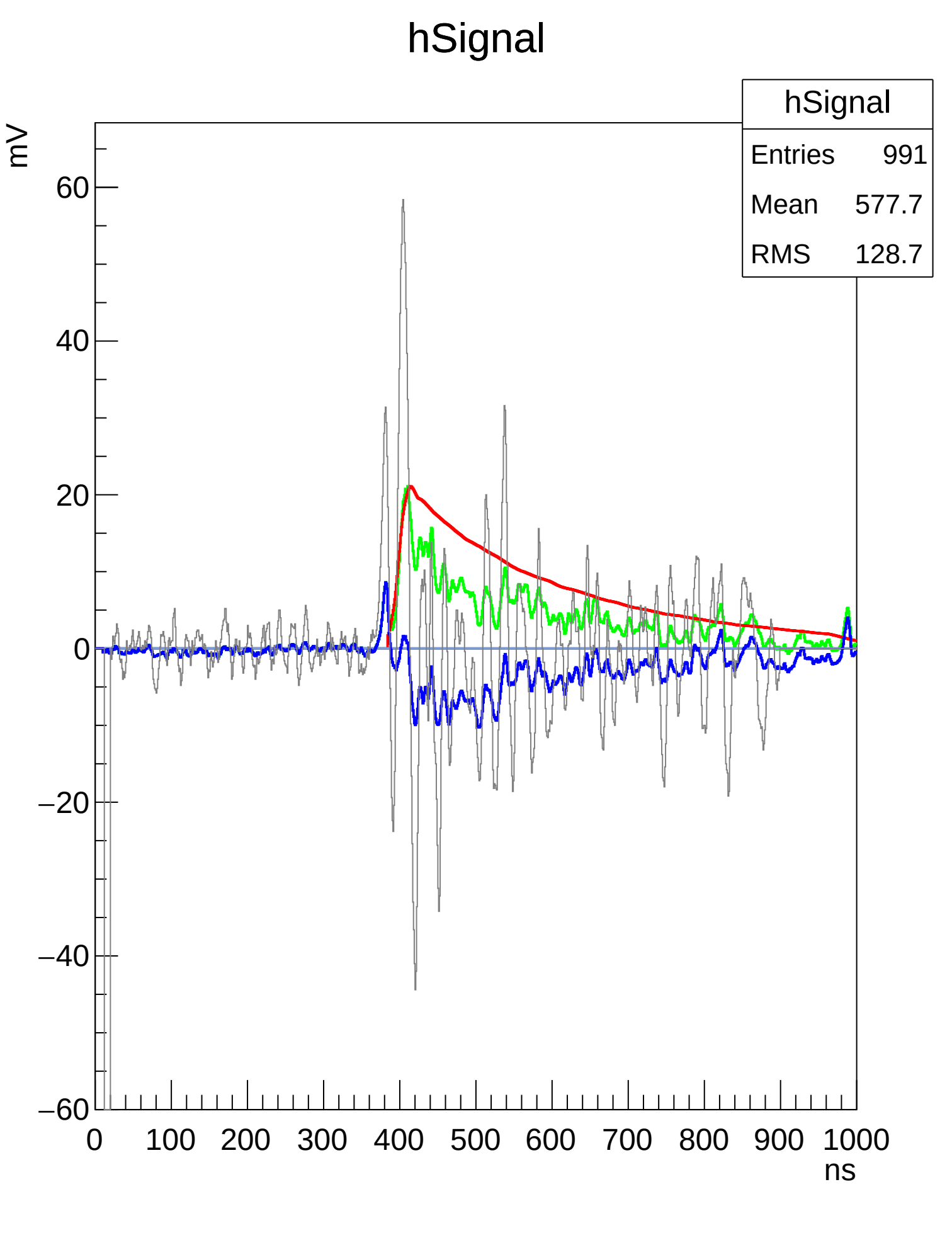
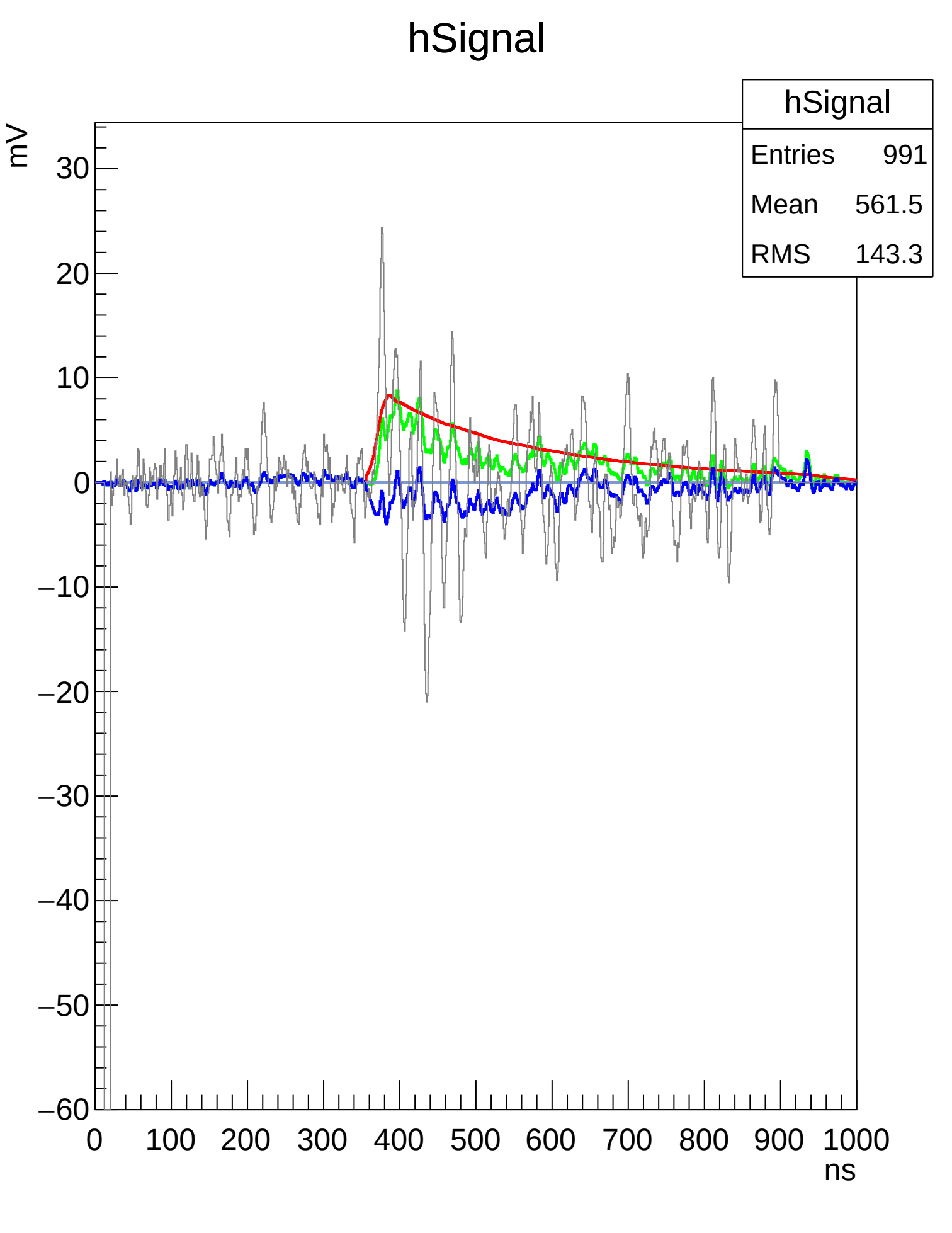
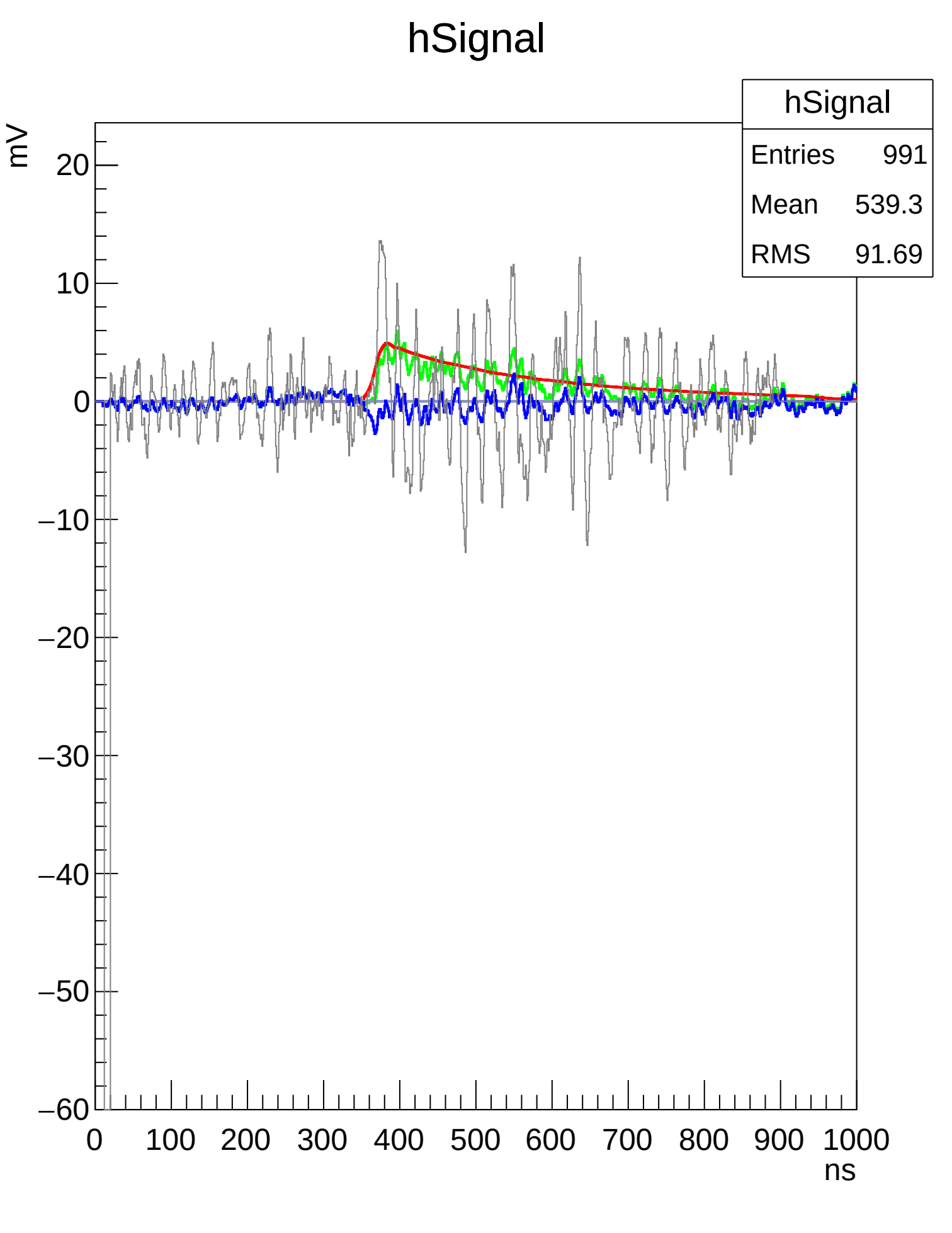
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.7
RMS 128.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.5
RMS 143.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.3
RMS 91.69
mV
20
10
0
−10
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−40
−50
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0
100
200
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400
500
600
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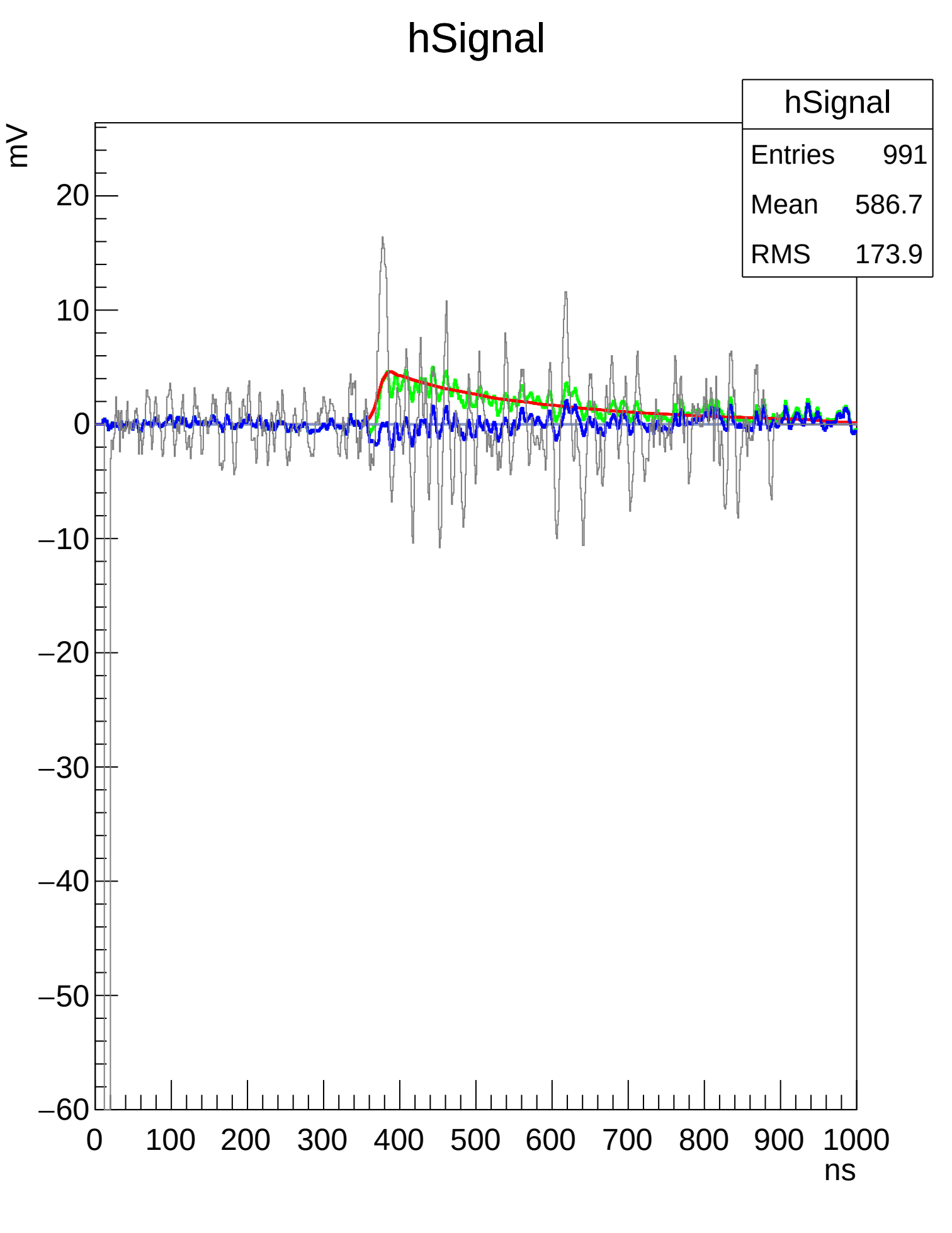
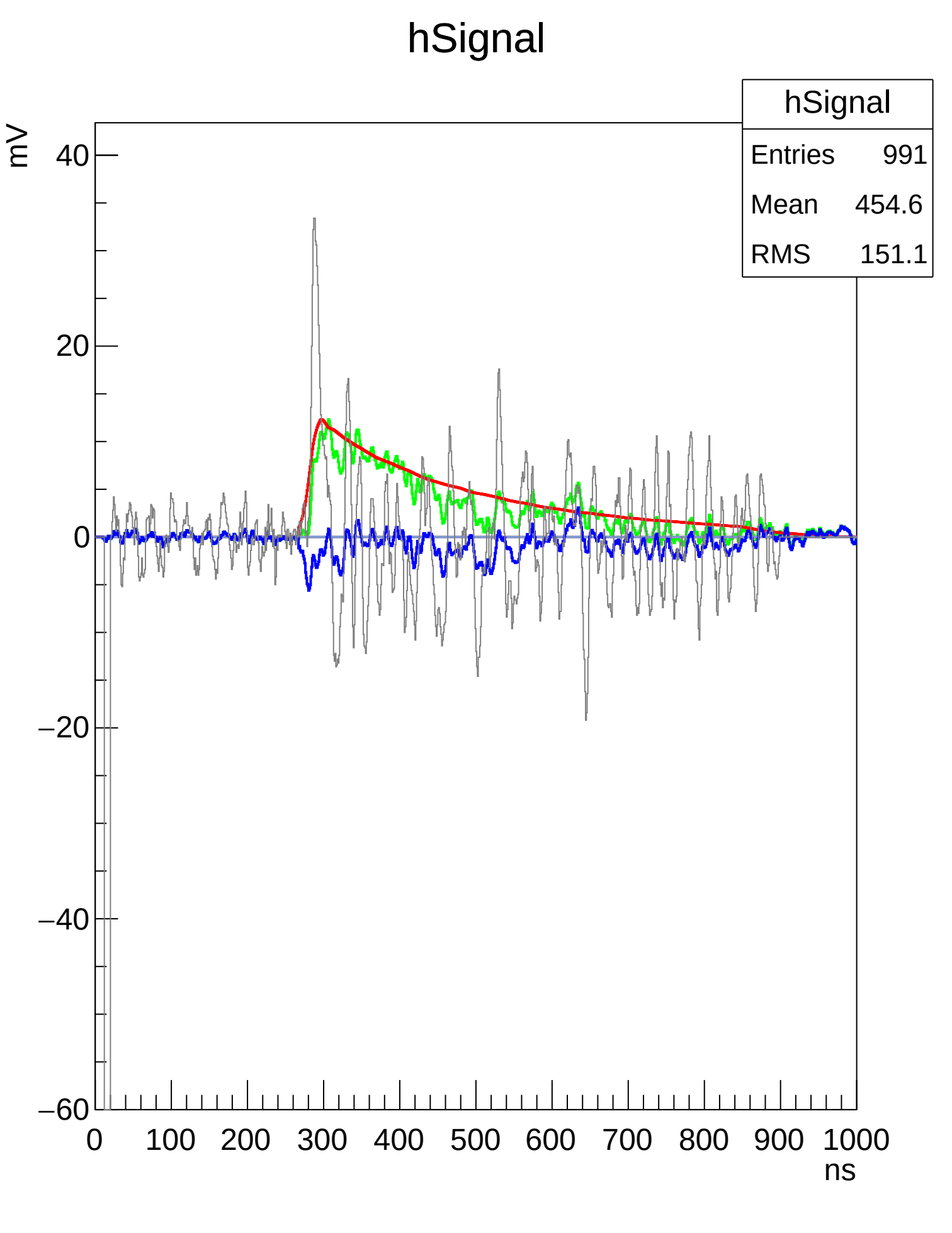
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.7
RMS 173.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 454.6
RMS 151.1
mV
40
20
0
−20
−40
−60
0
100
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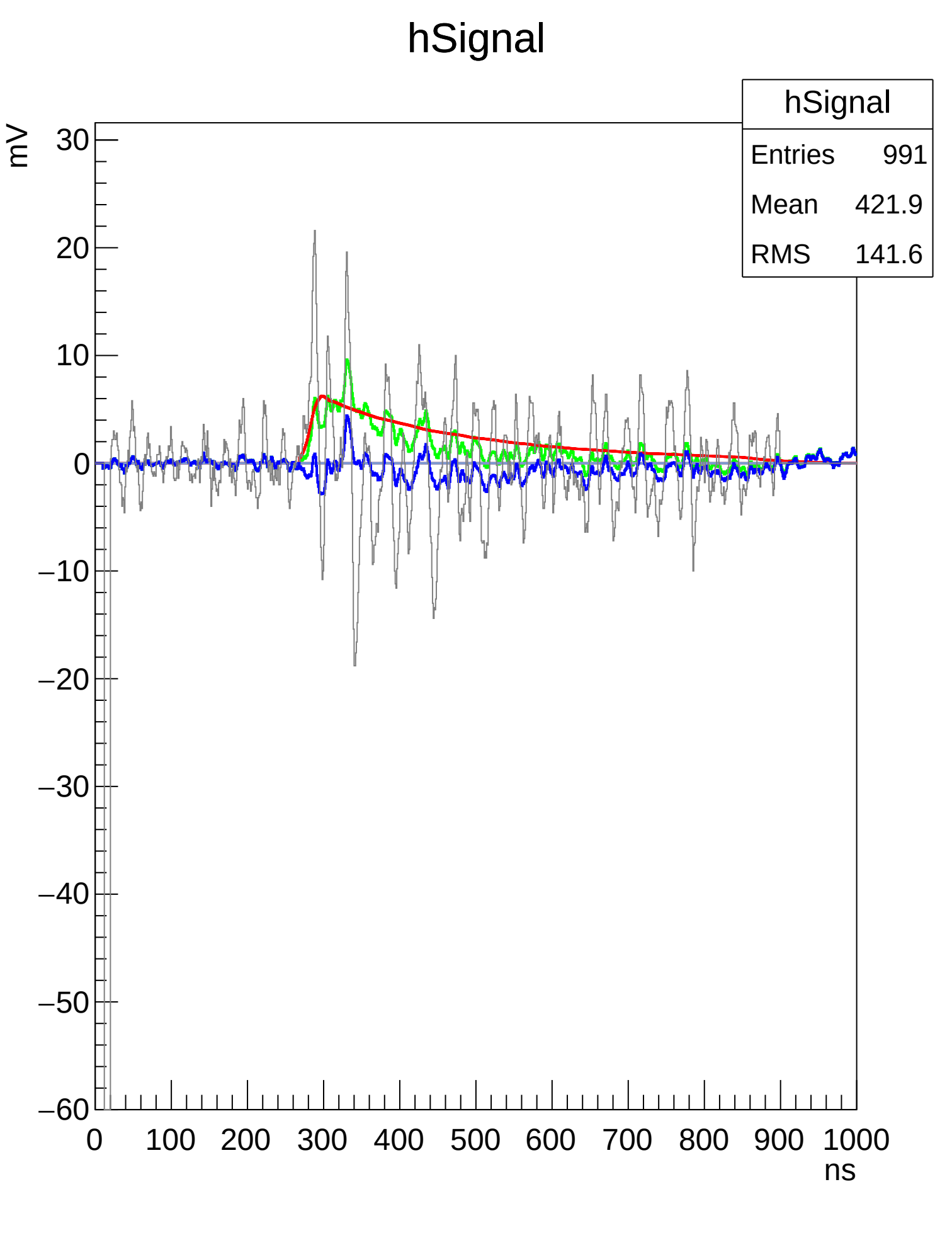
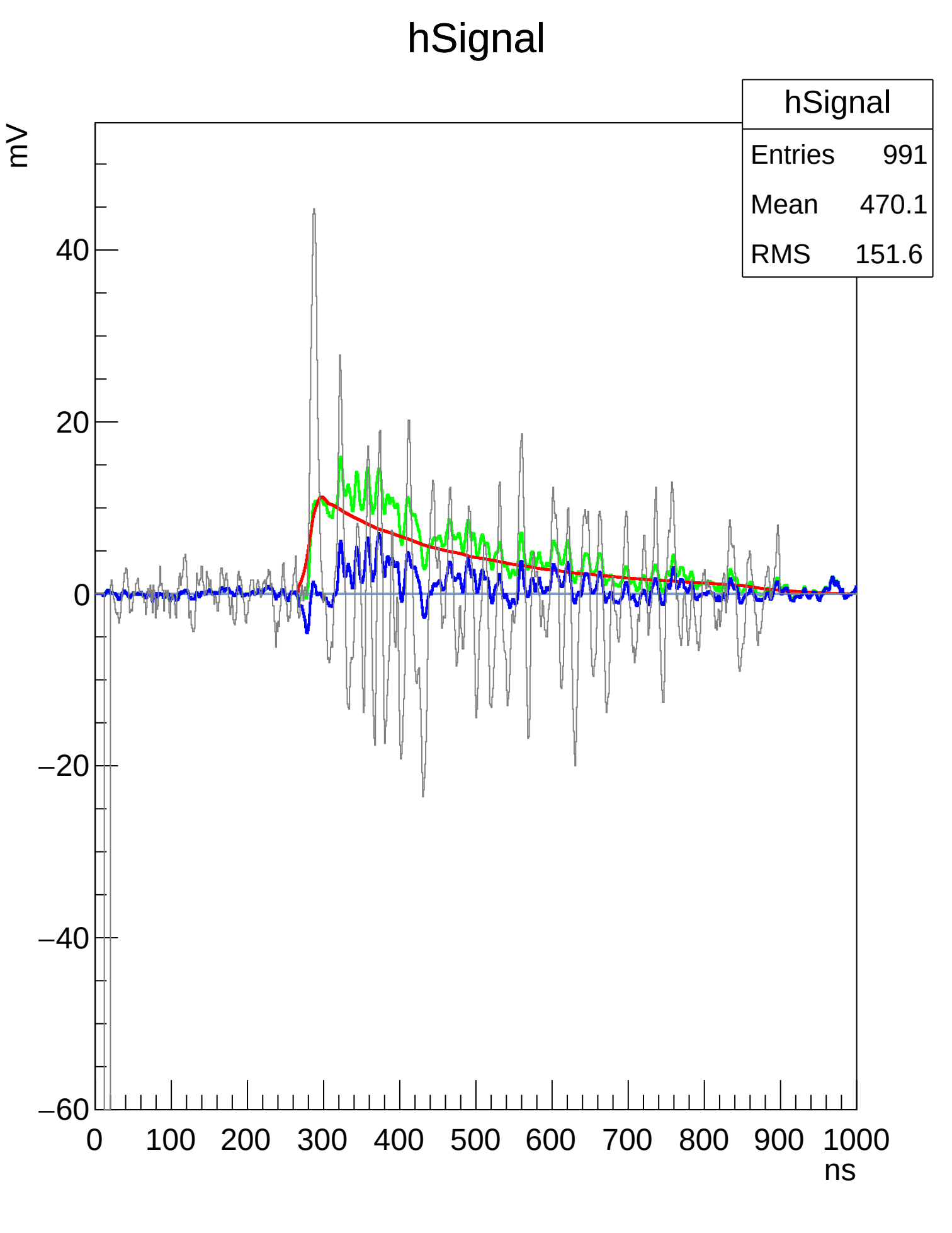
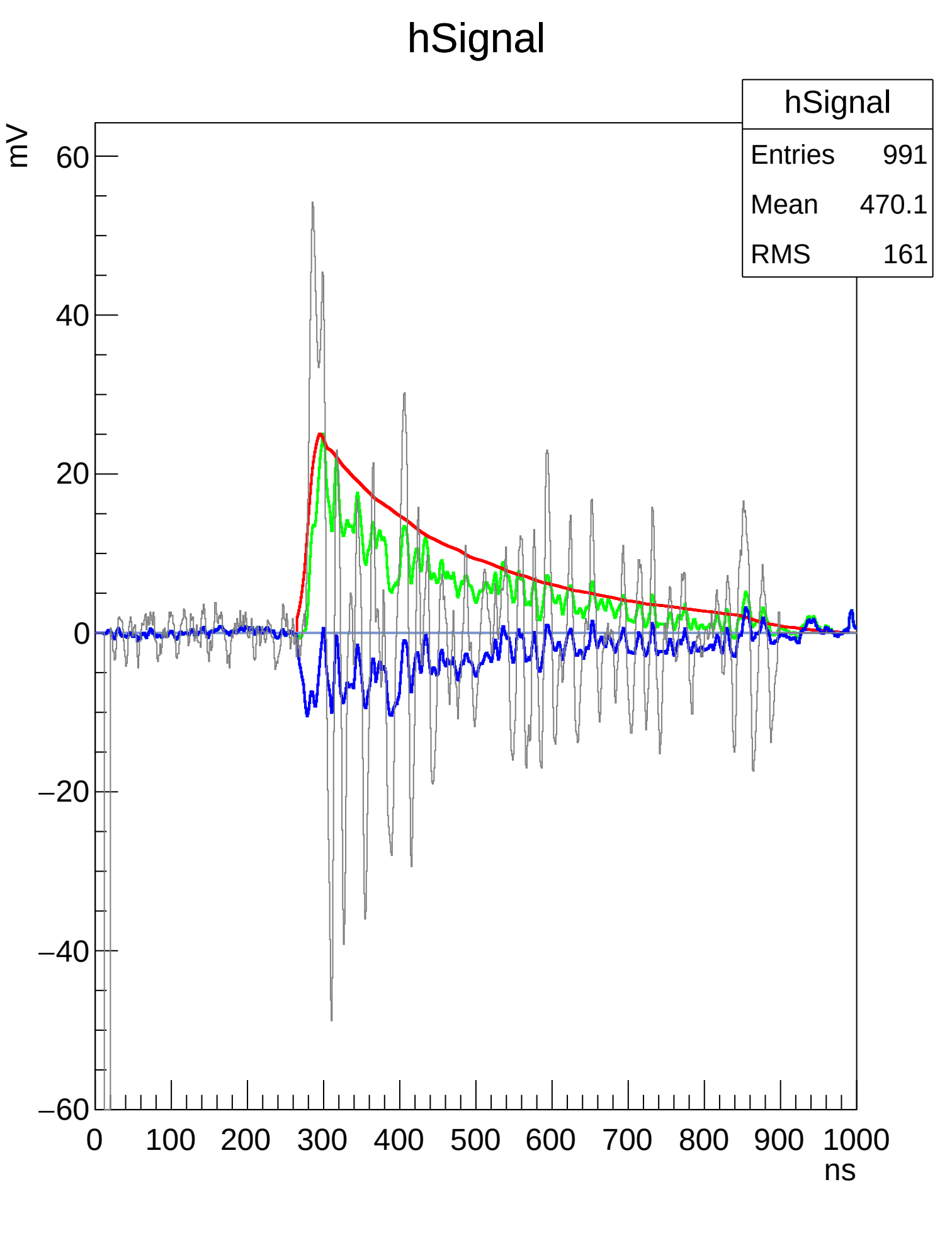
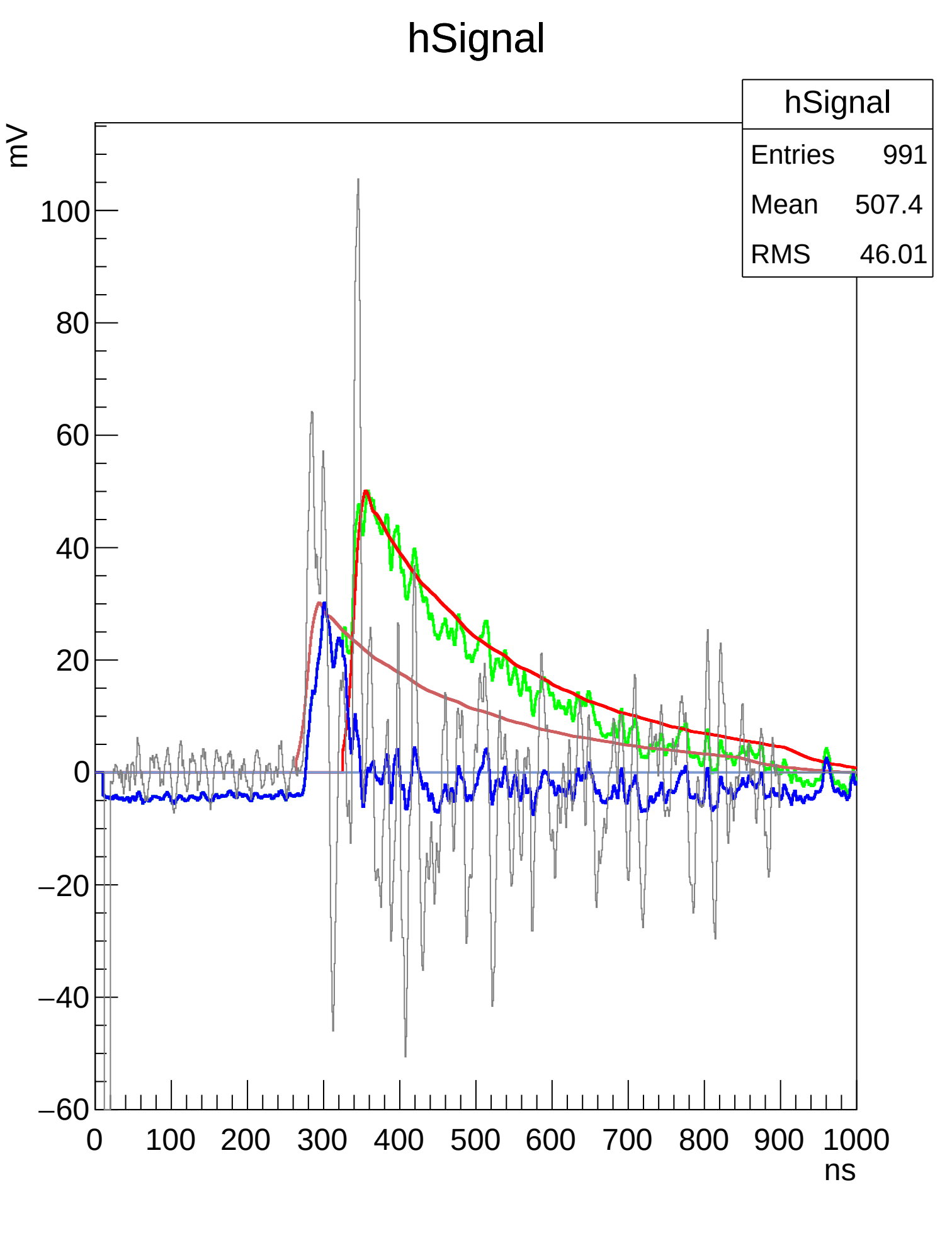
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 421.9
RMS 141.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470.1
RMS 151.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470.1
RMS 161
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.4
RMS 46.01
mV
100
80
60
40
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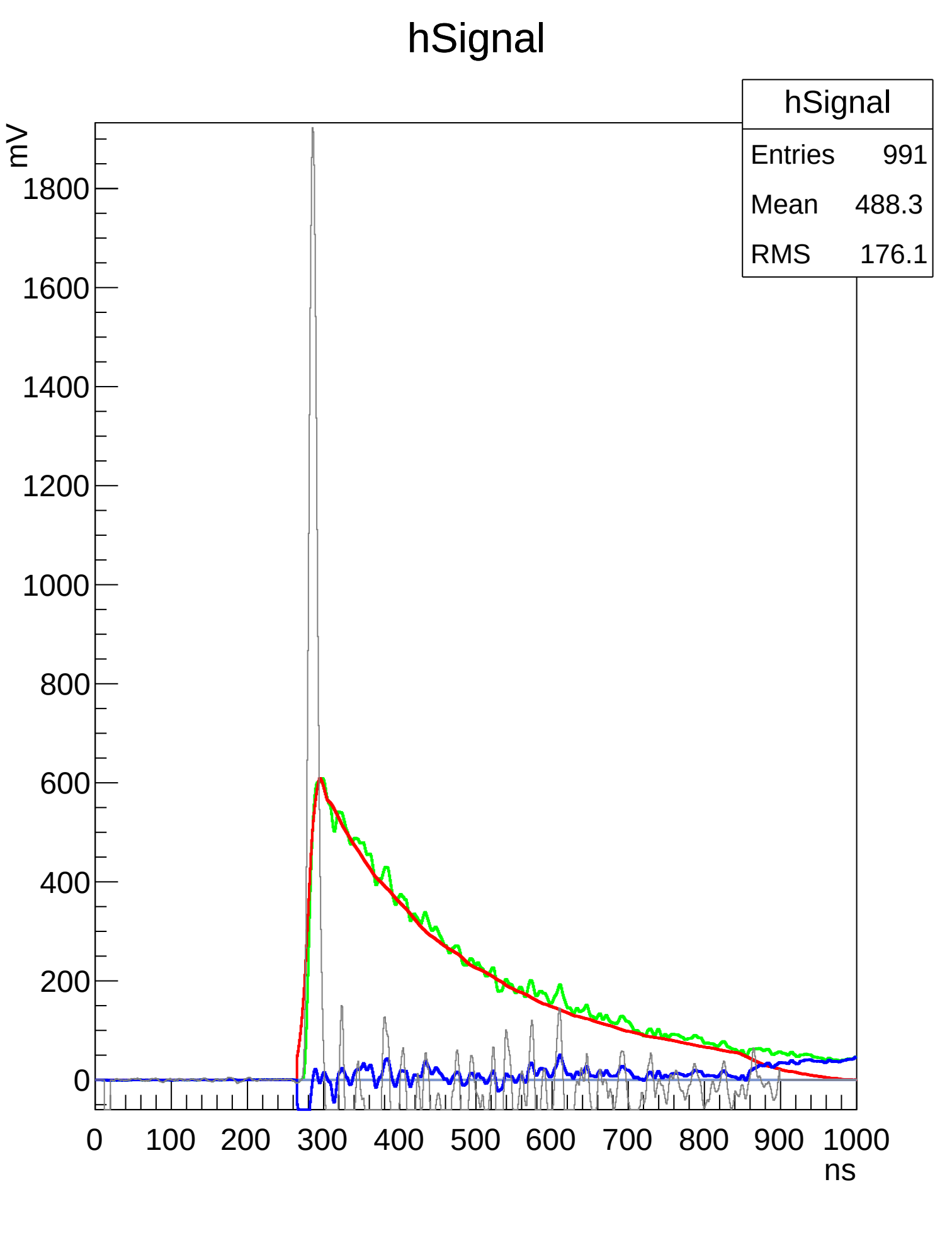
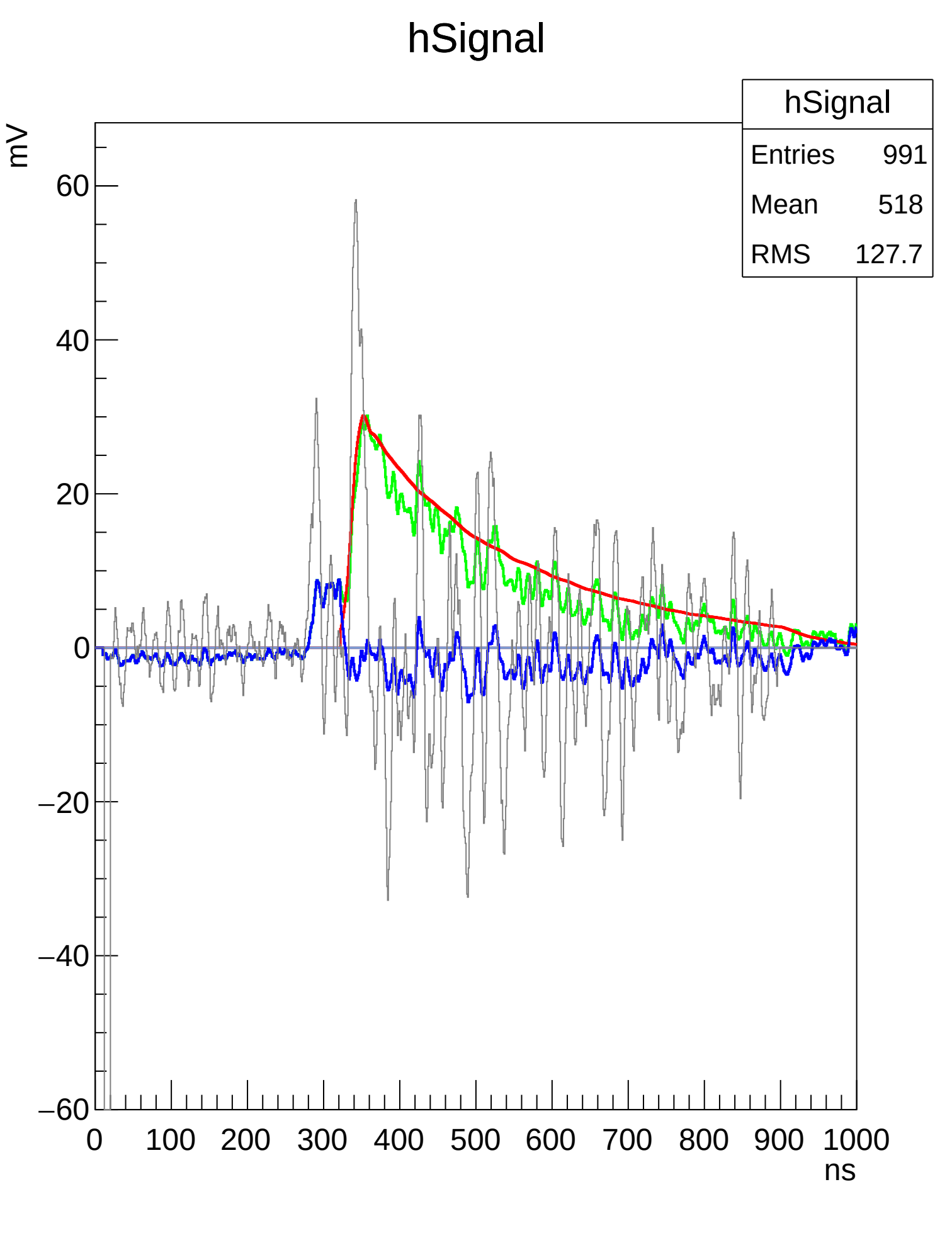
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.3
RMS 176.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518
RMS 127.7
mV
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−20
−40
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0
100
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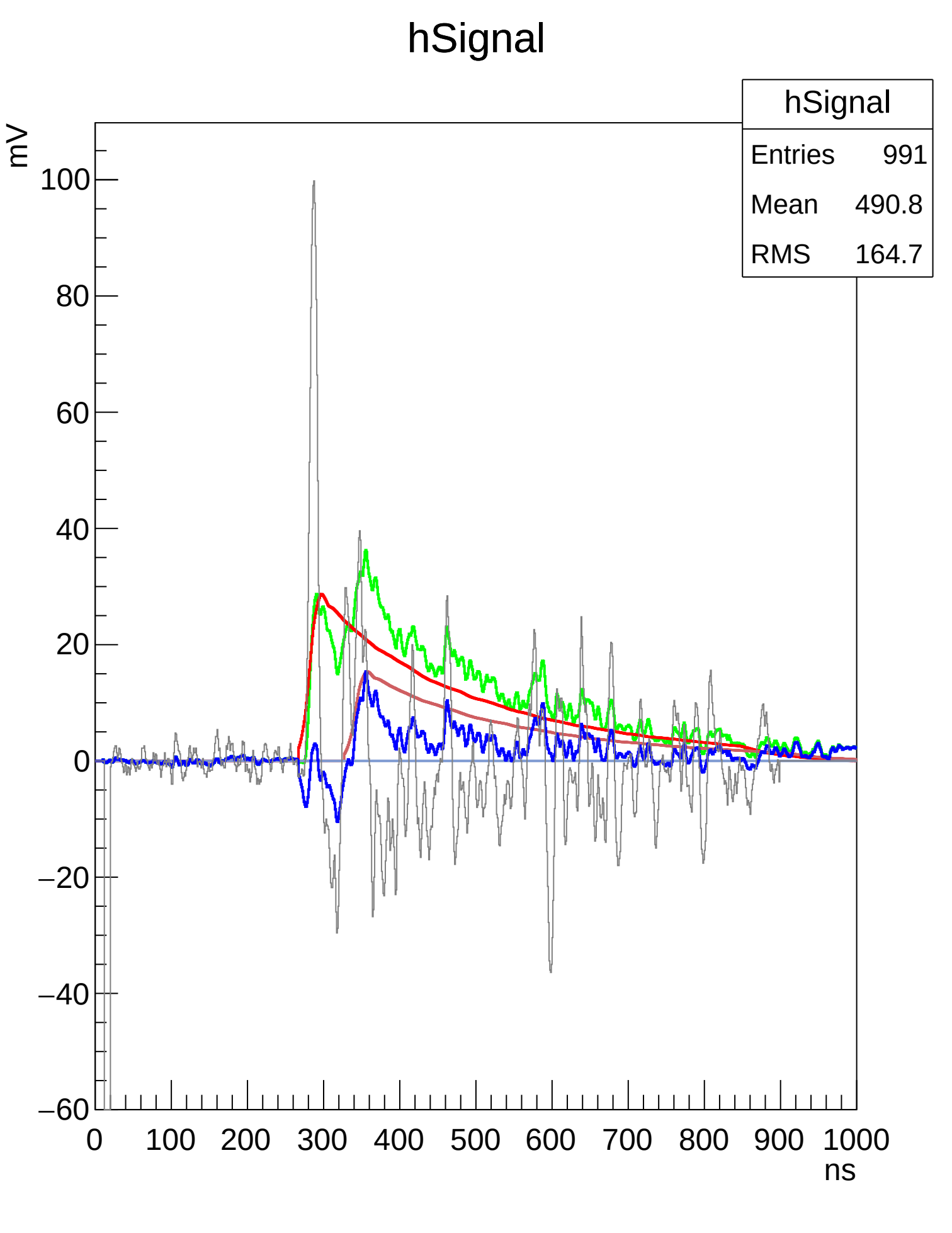
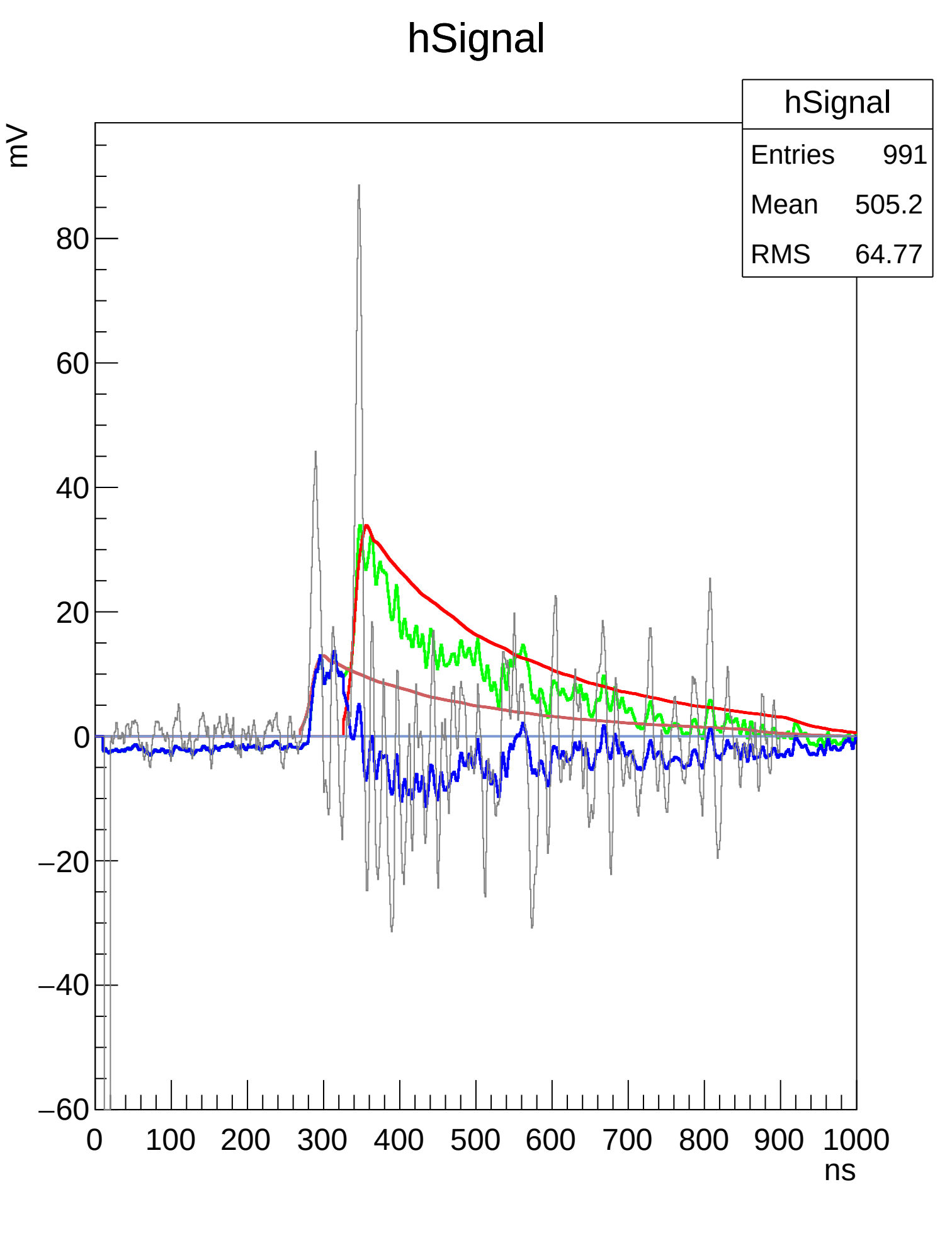
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.8
RMS 164.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.2
RMS 64.77
mV
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−40
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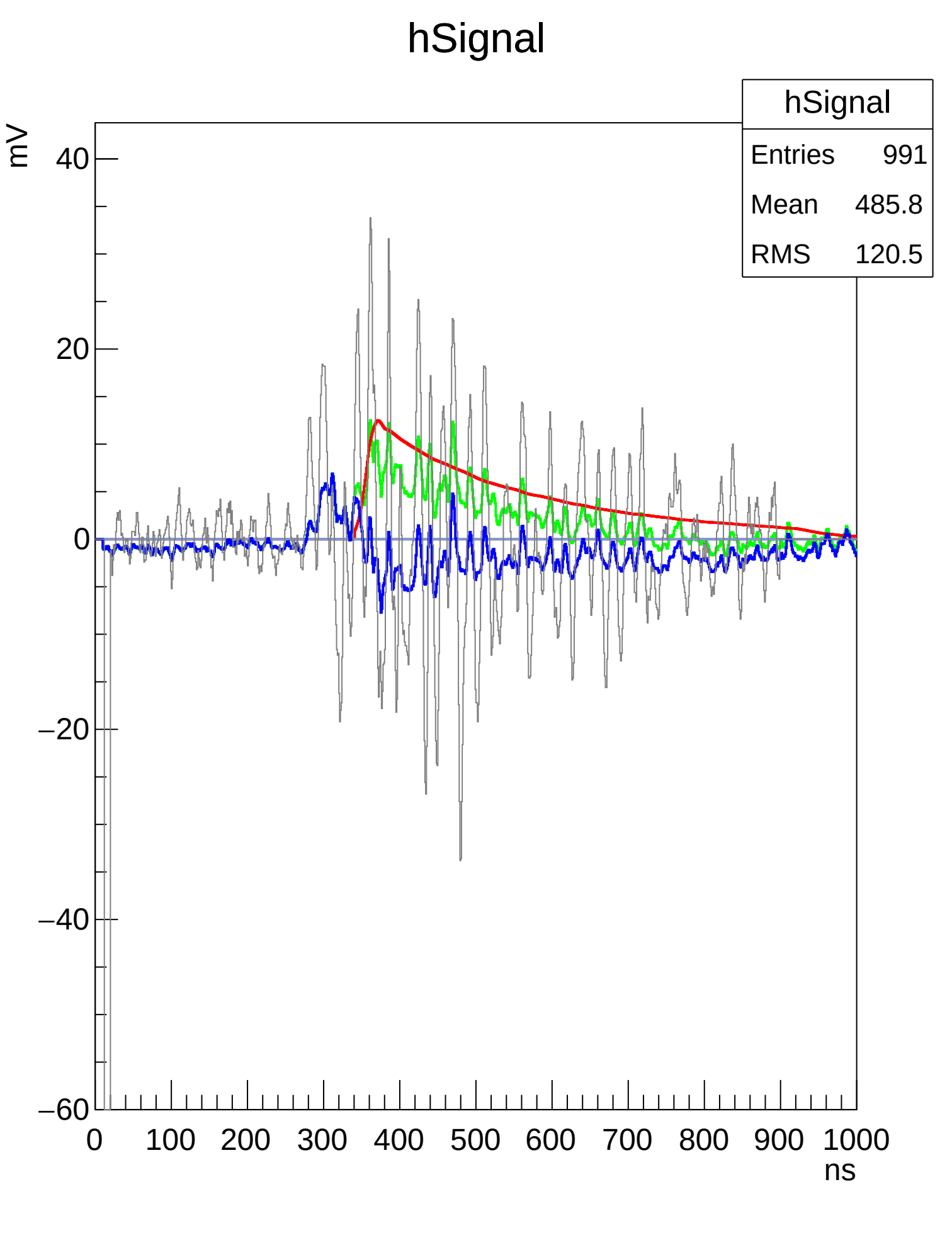
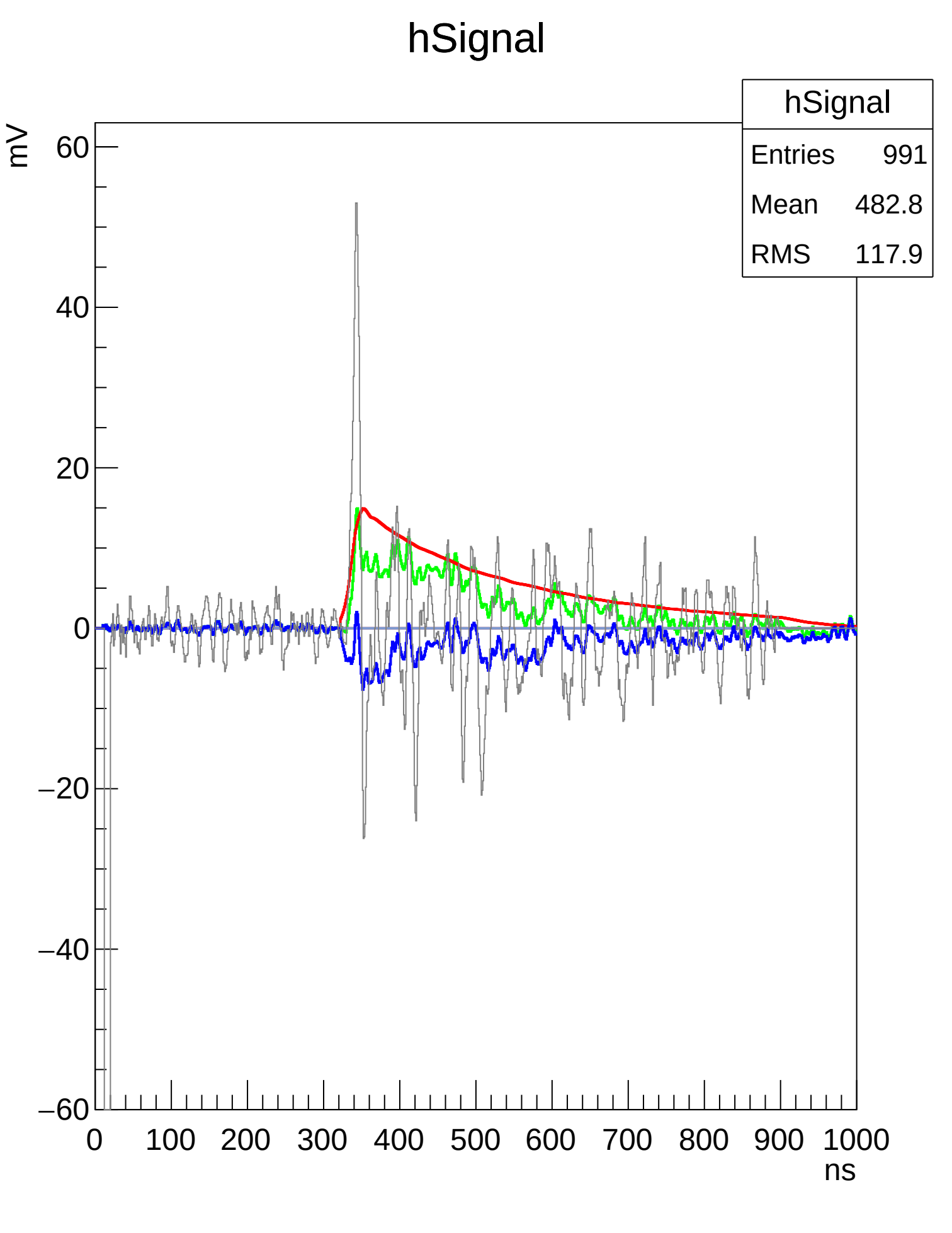
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485.8
RMS 120.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 482.8
RMS 117.9
mV
60
40
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−20
−40
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0
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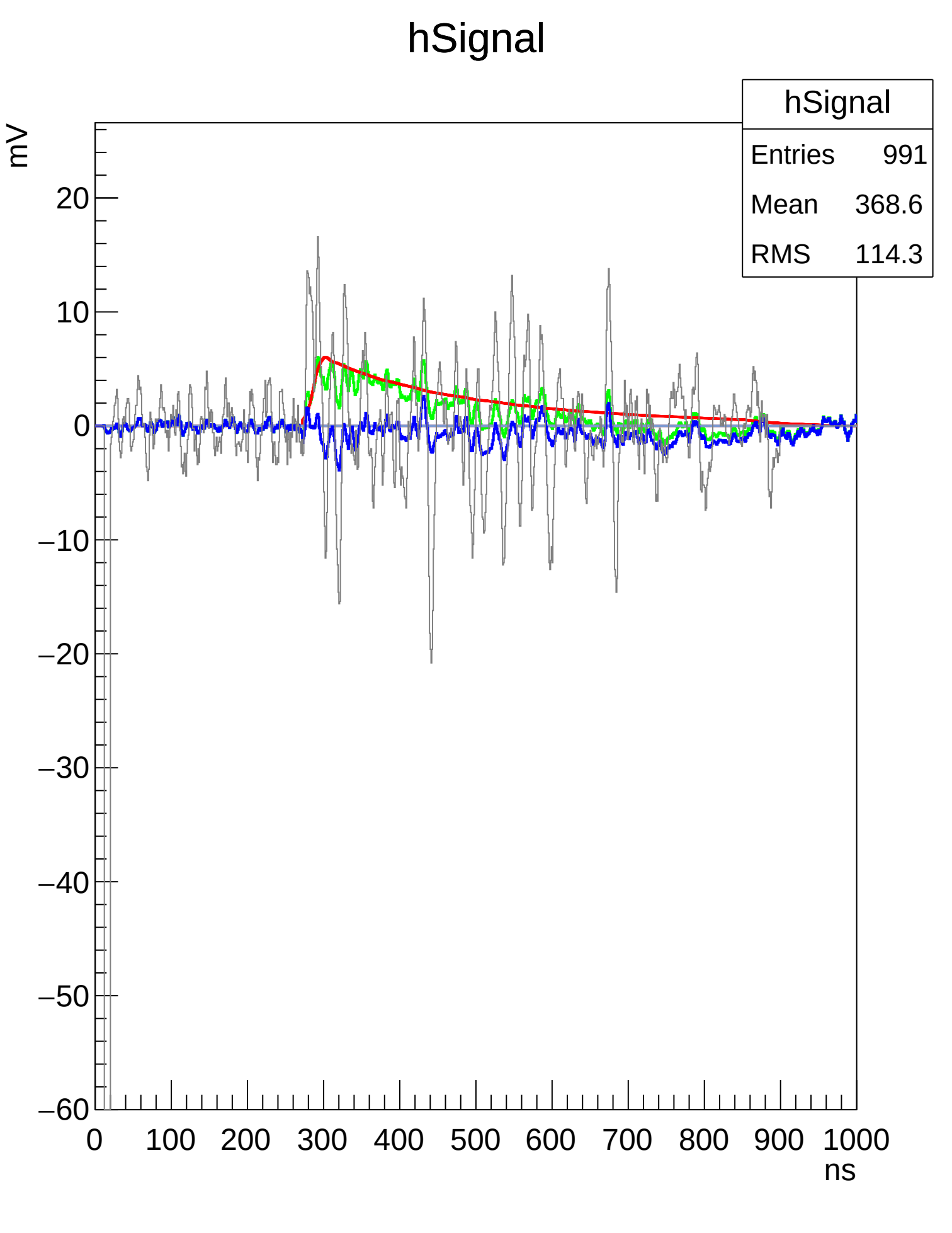
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 368.6
RMS 114.3
mV
20
10
0
−10
−20
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−40
−50
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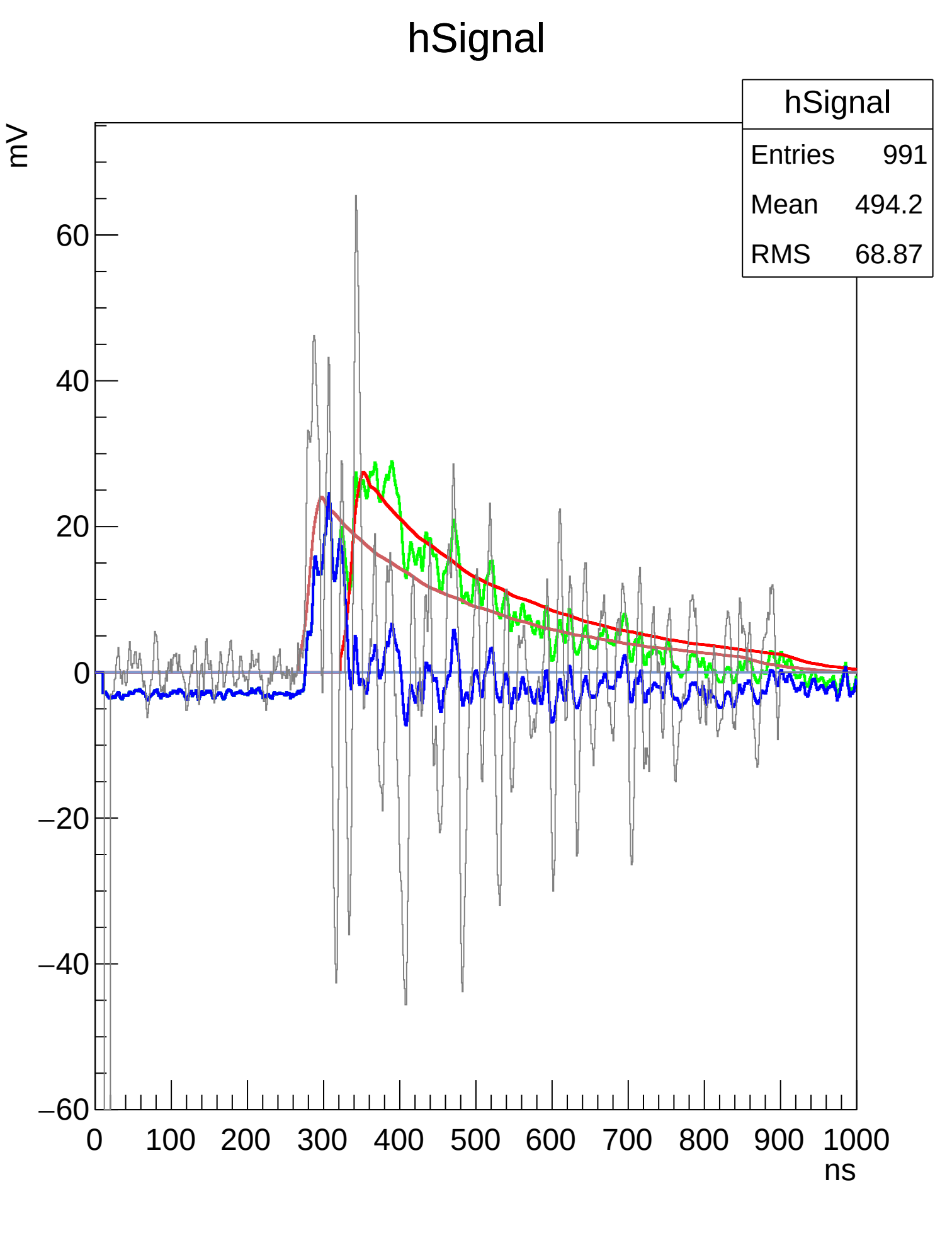
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.2
RMS 68.87
mV
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−20
−40
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0
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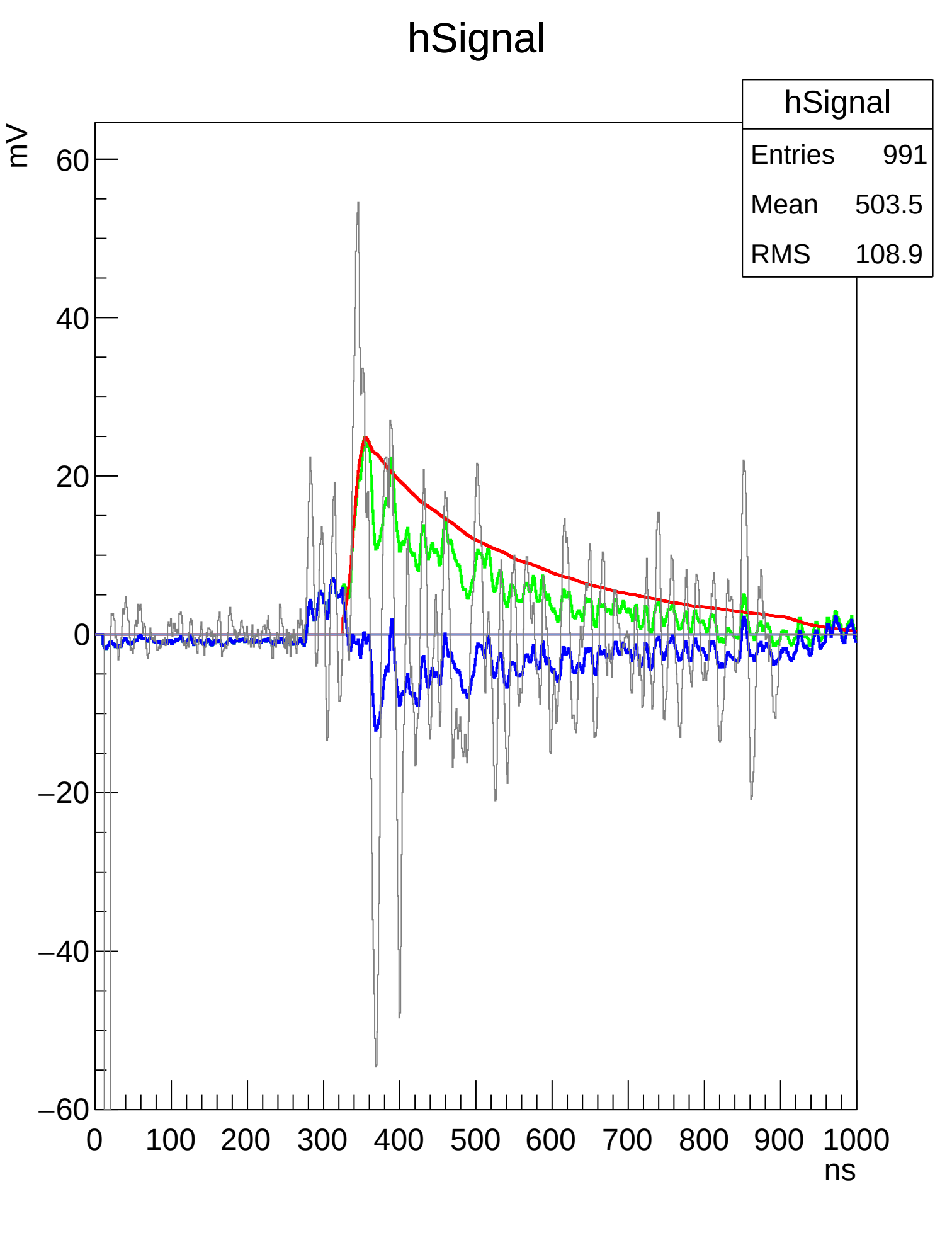
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.5
RMS 108.9
mV
60
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0
−20
−40
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0
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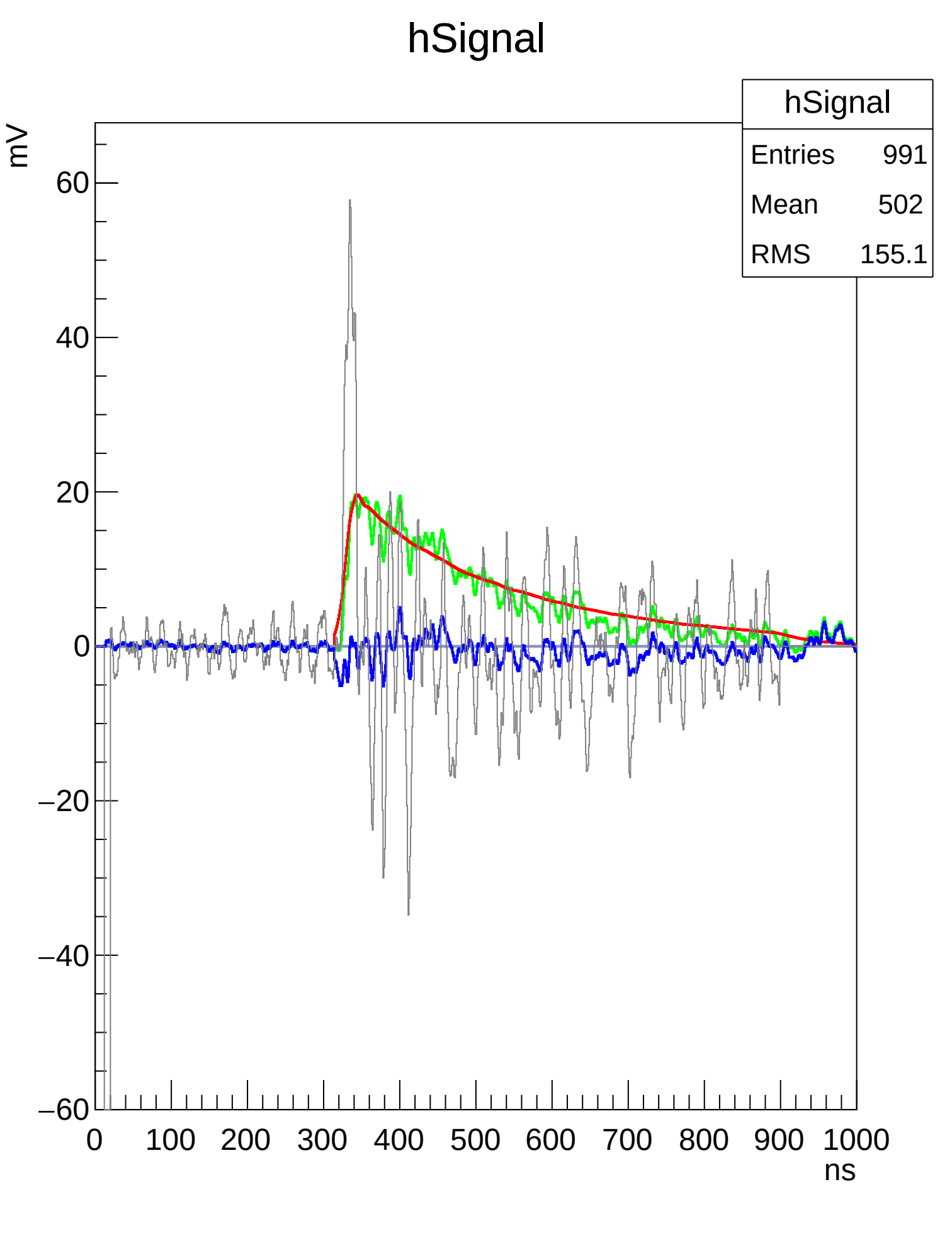
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502
RMS 155.1
mV
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−20
−40
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0
100
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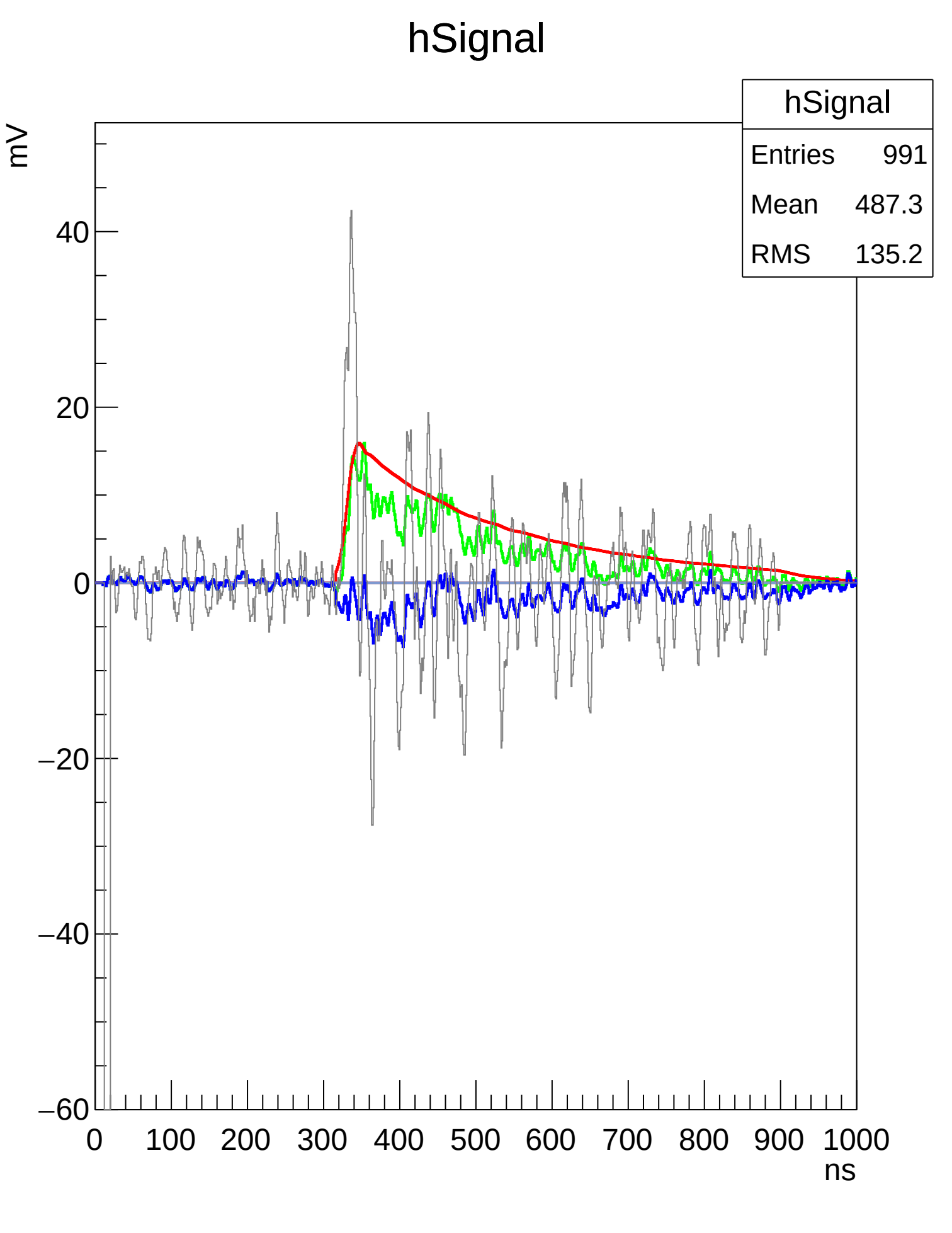
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 487.3
RMS 135.2
mV
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−20
−40
−60
0
100
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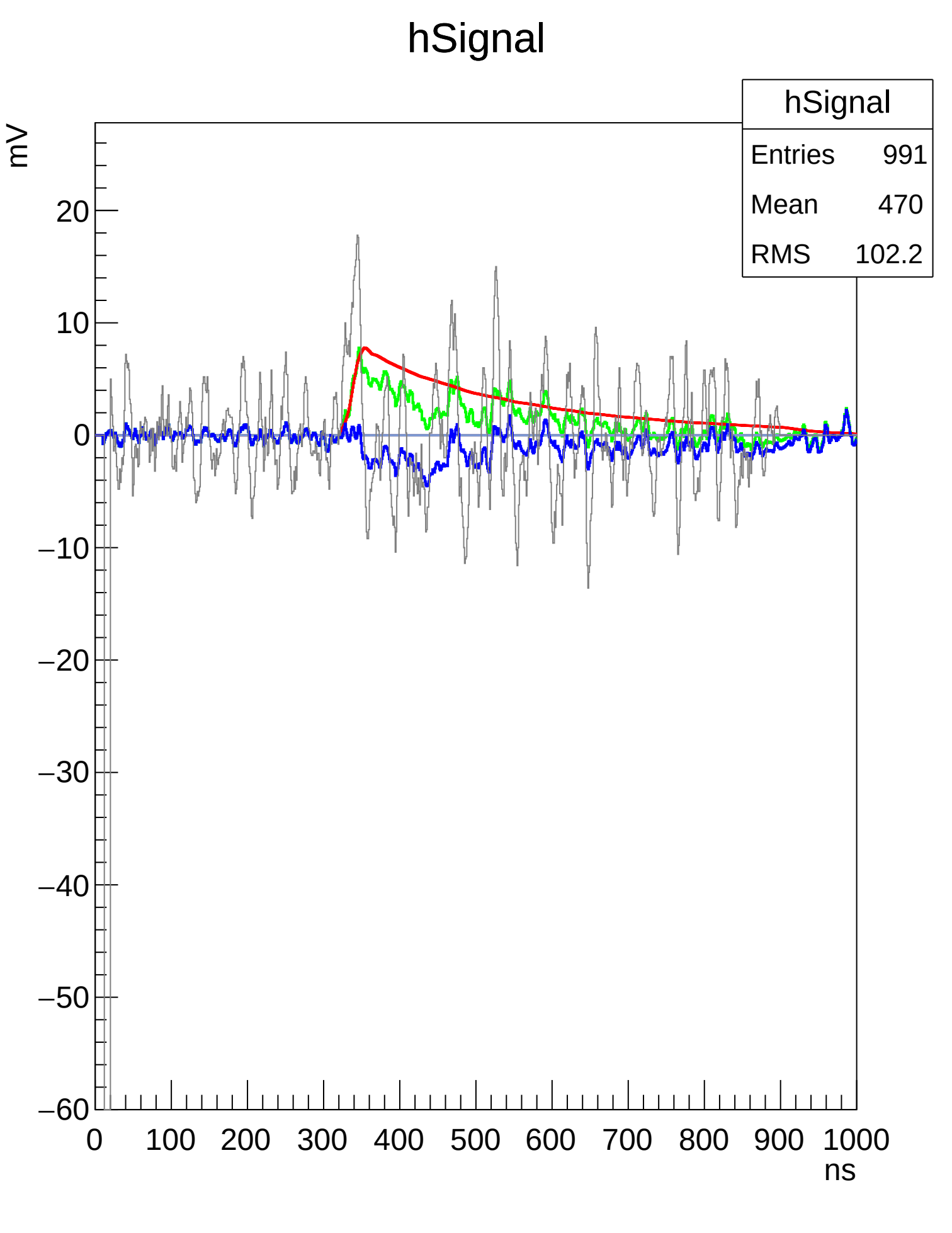
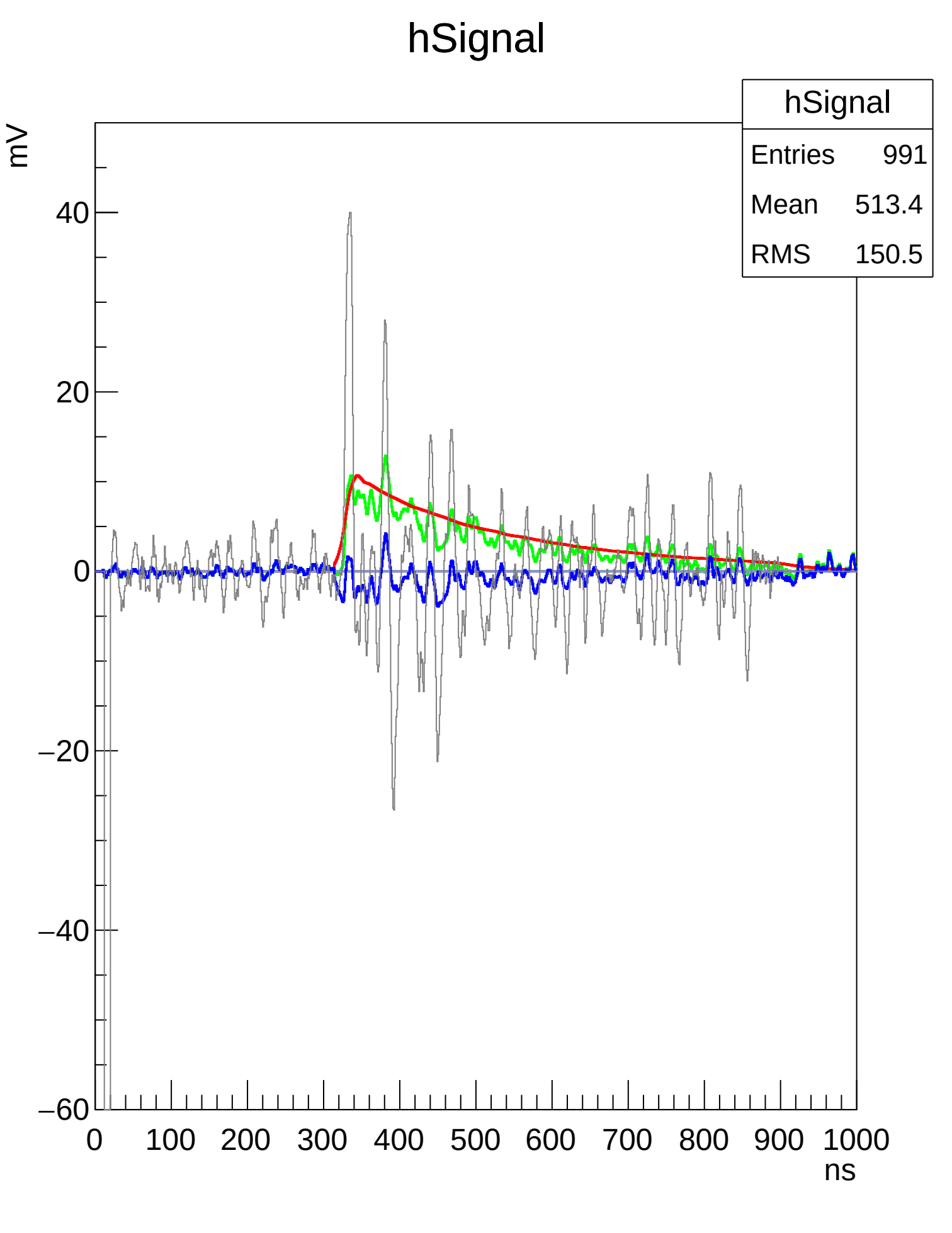
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470
RMS 102.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.4
RMS 150.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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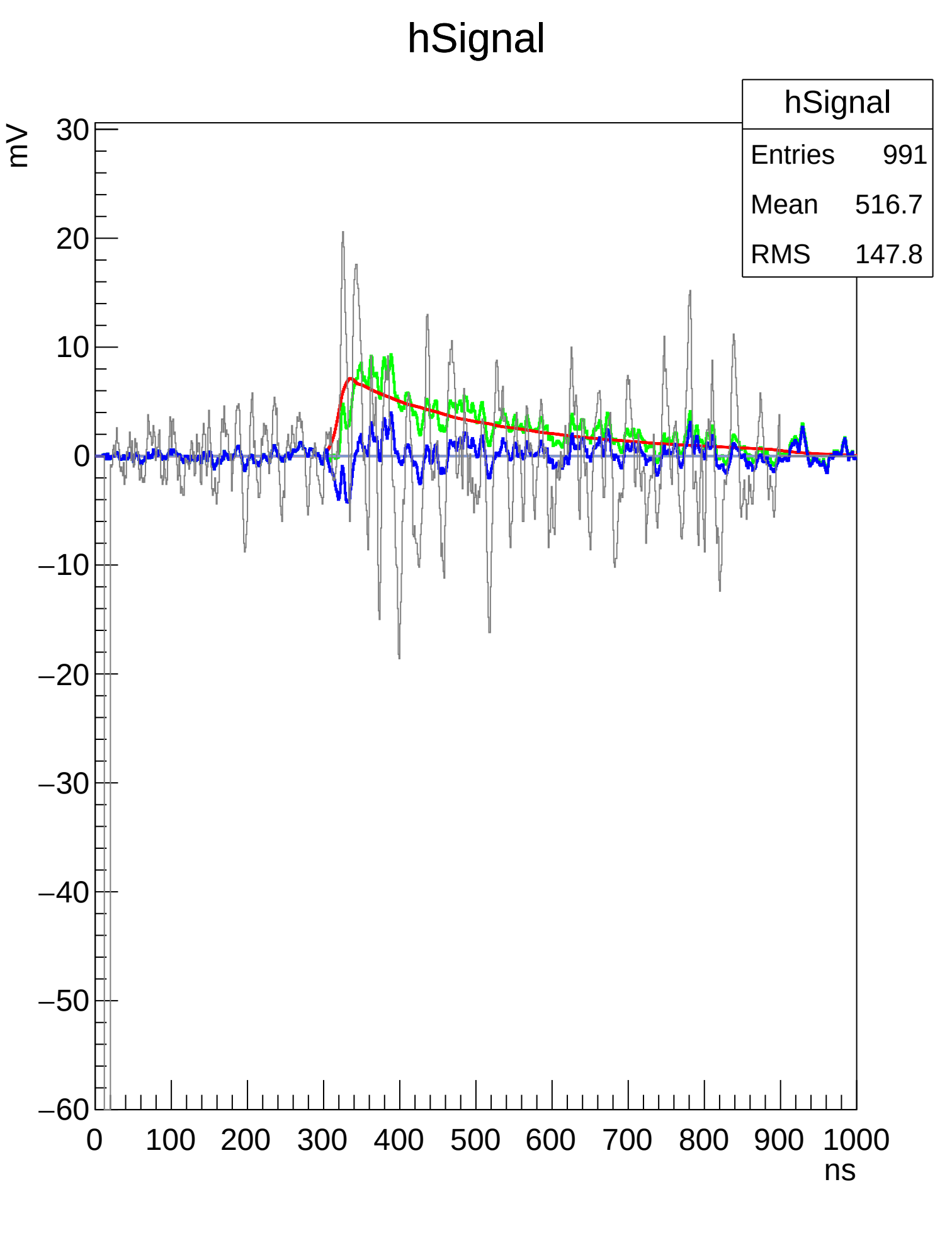
1000
ns


hSignal
hSignal
Entries 991
Mean 516.7
RMS 147.8
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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800
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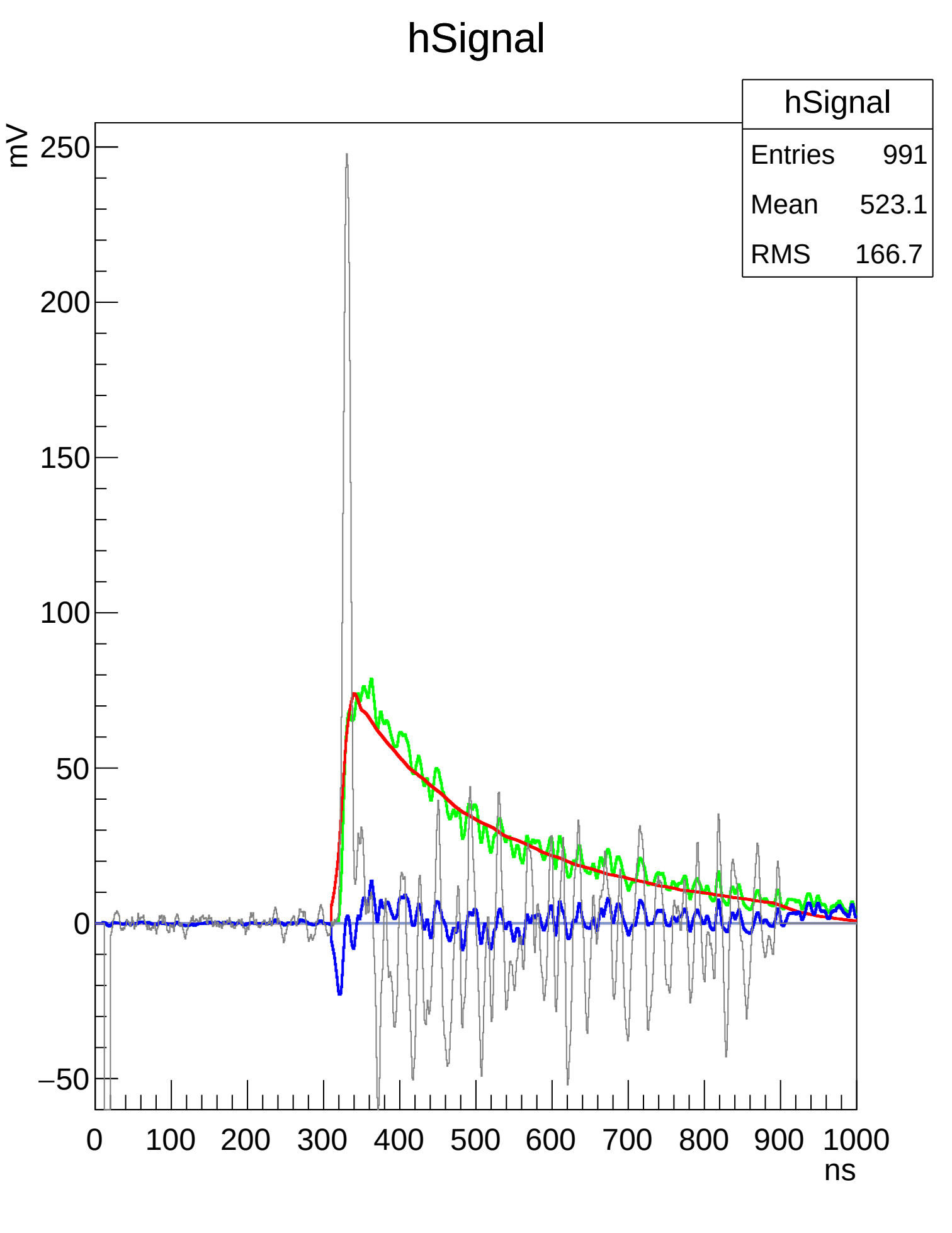
1000
ns


hSignal
hSignal
Entries 991
Mean 523.1
RMS 166.7
mV
250
200
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100
50
0
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0
100
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400
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800
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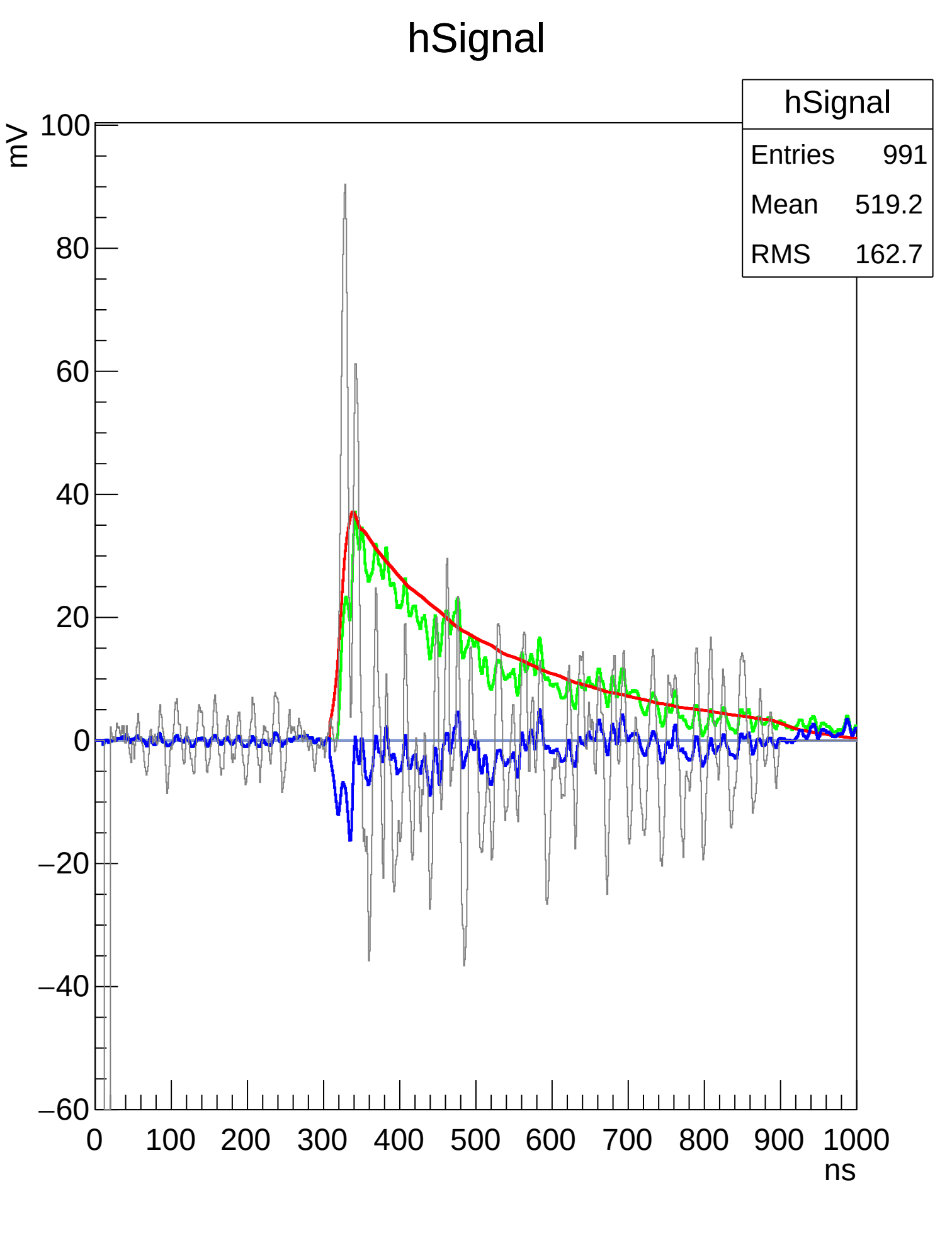
1000
ns


hSignal
hSignal
Entries 991
Mean 519.2
RMS 162.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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700
800
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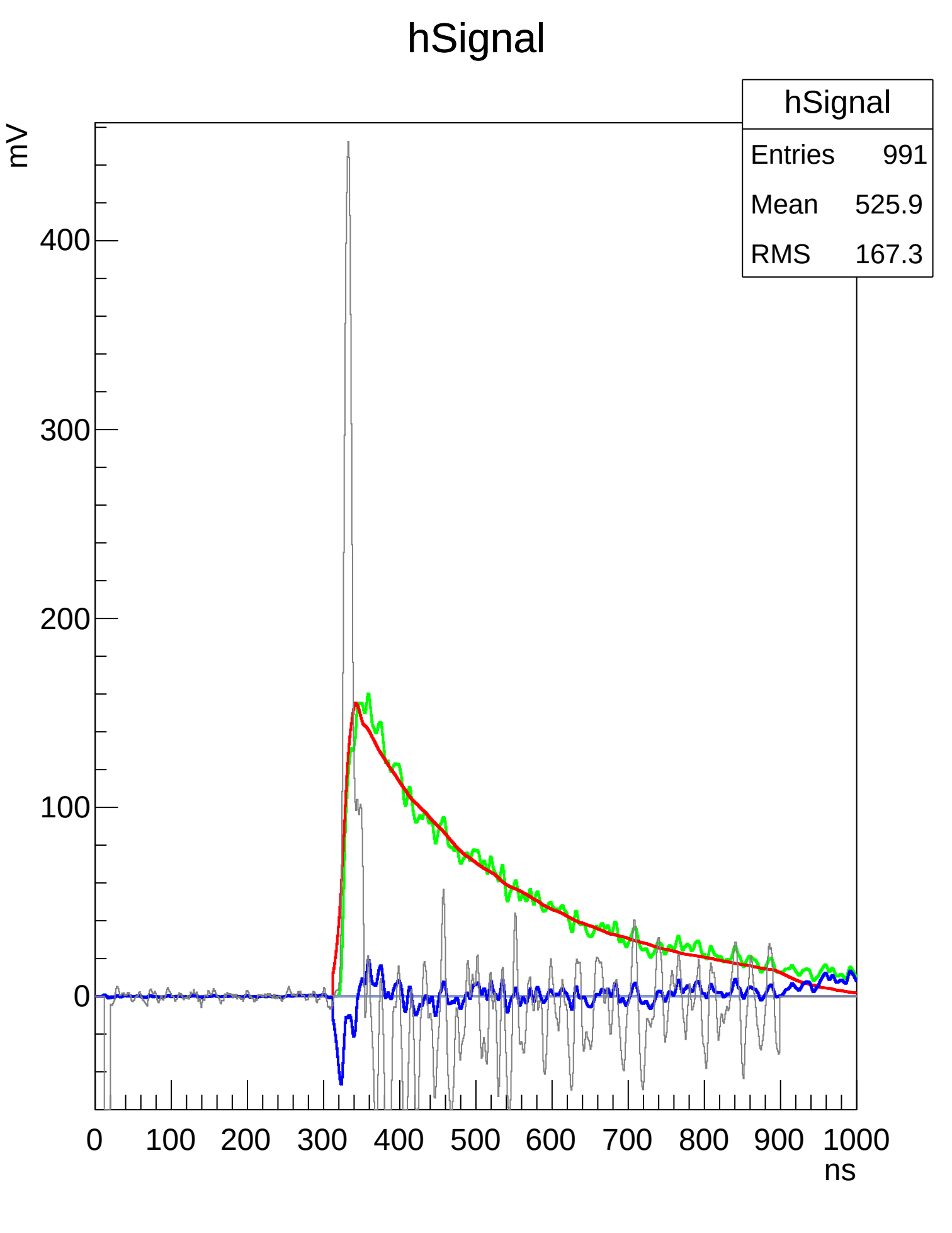
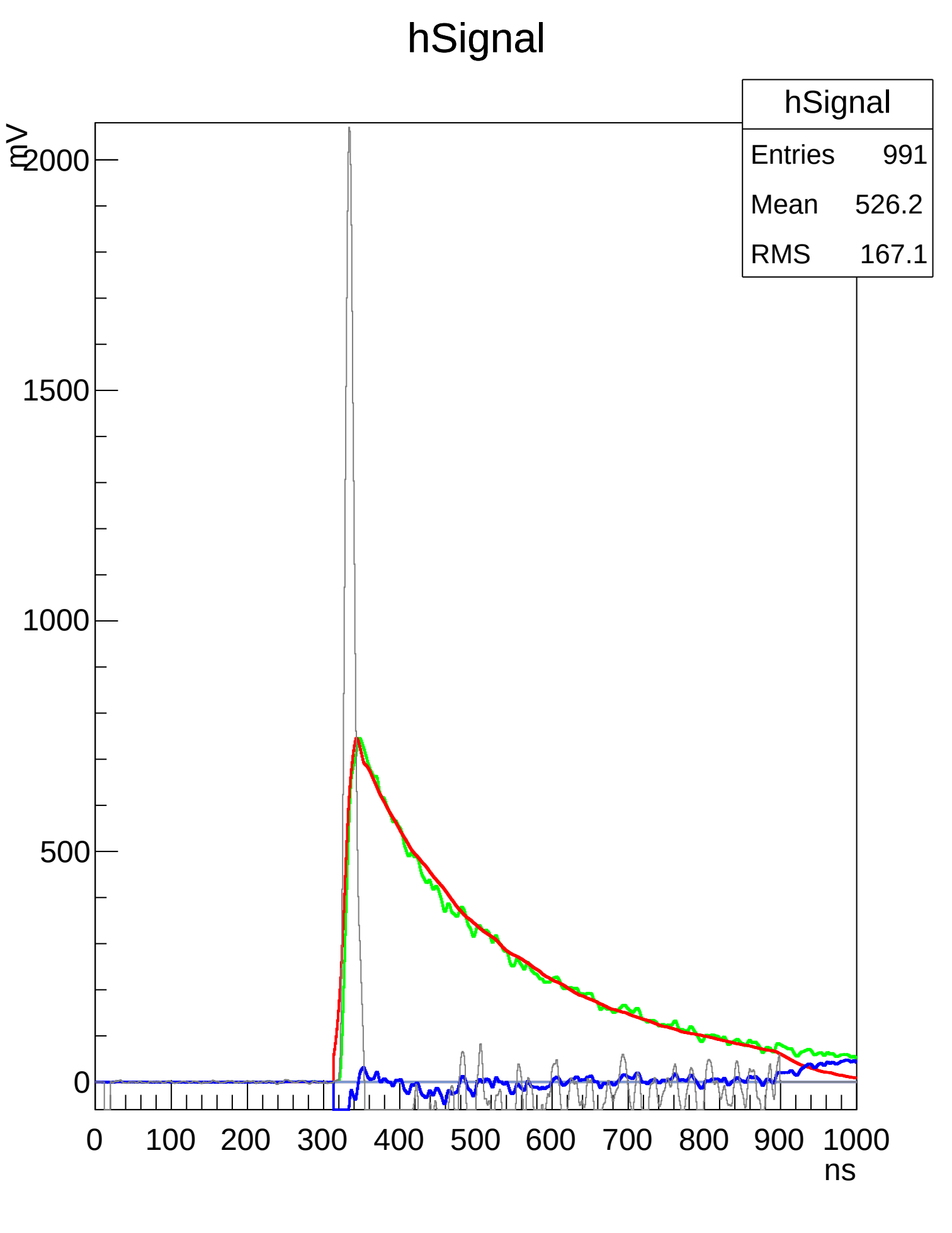
1000
ns


hSignal
hSignal
Entries 991
Mean 525.9
RMS 167.3
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.2
RMS 167.1
mV
2000
1500
1000
500
0
0
100
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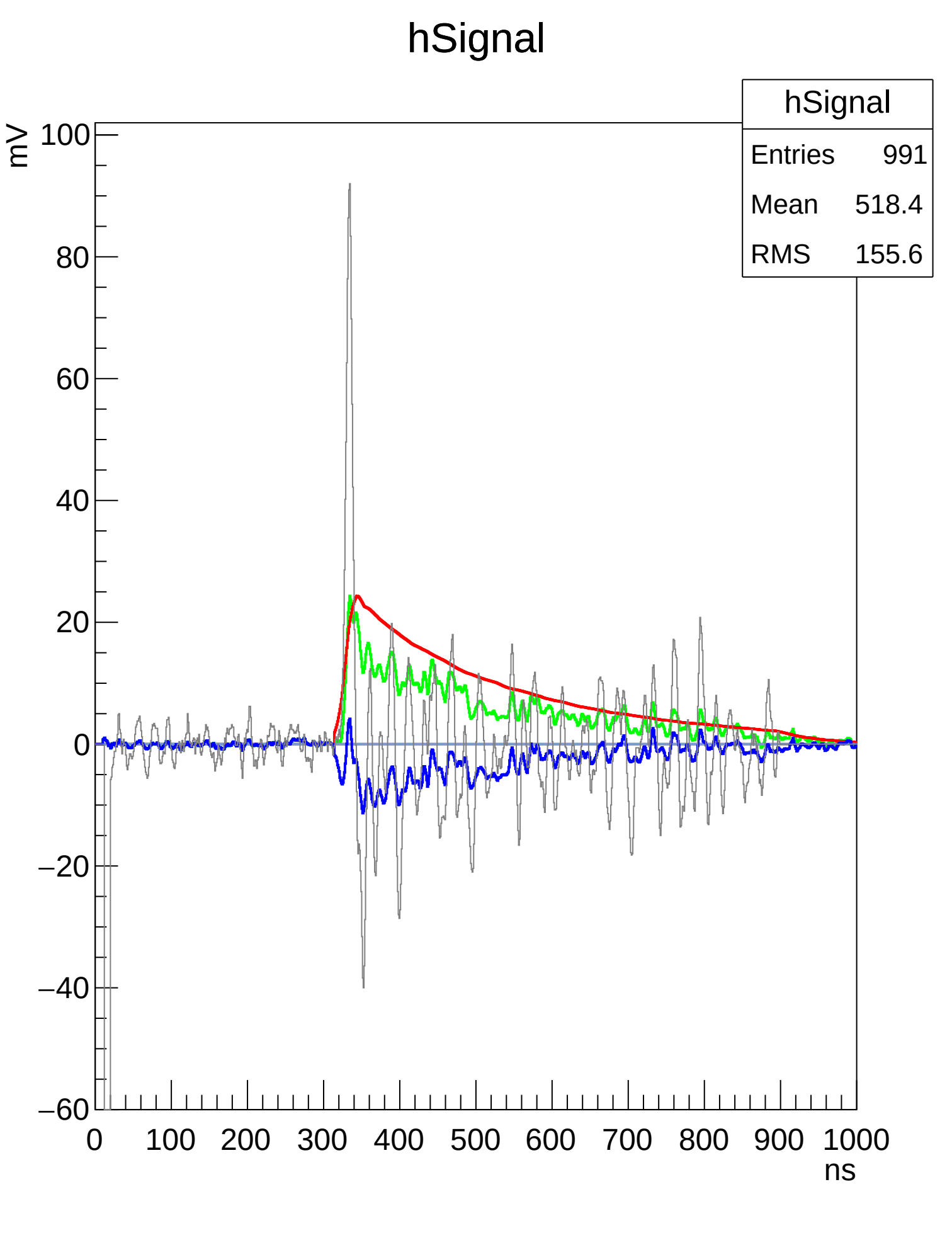
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.4
RMS 155.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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800
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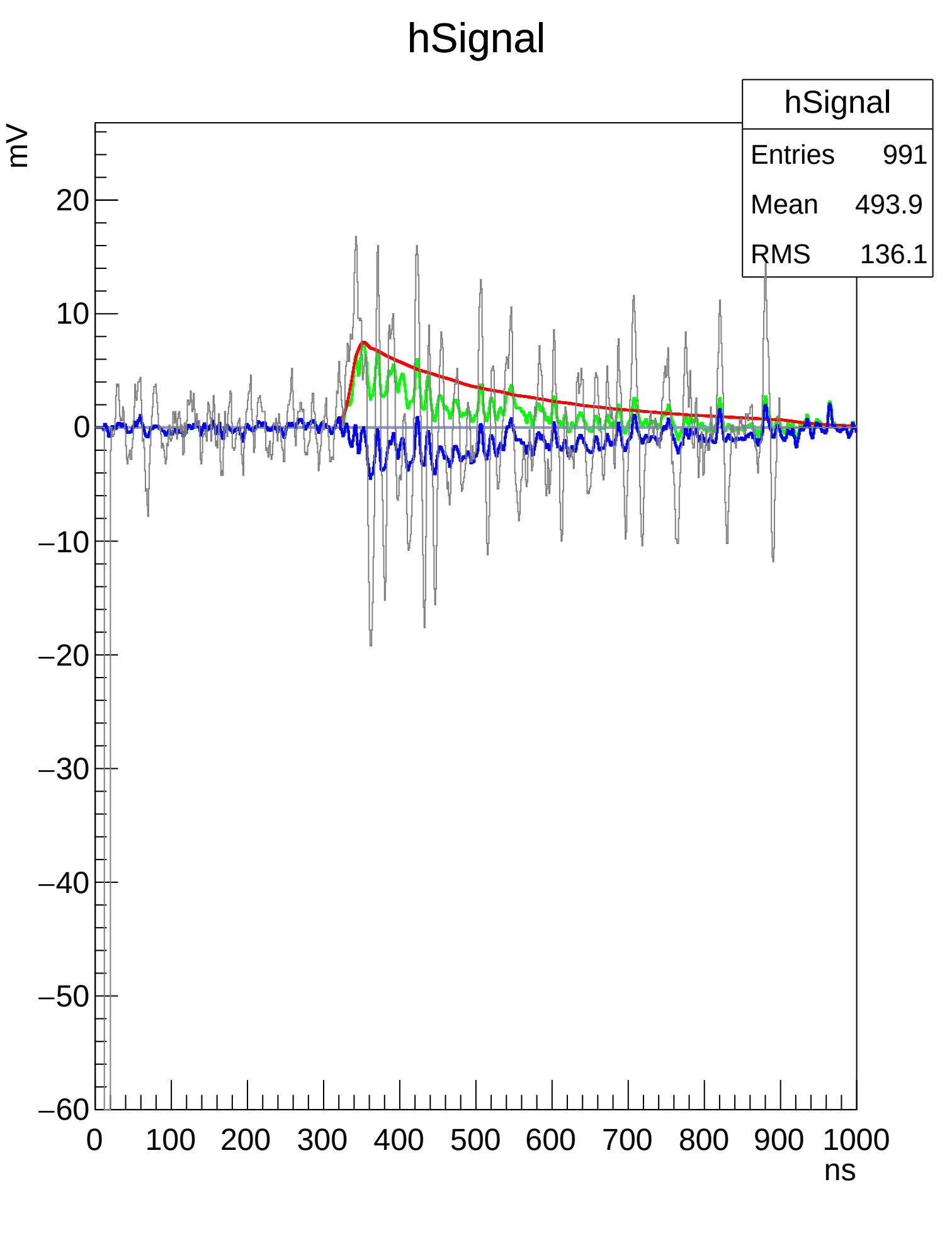
1000
ns


hSignal
hSignal
Entries 991
Mean 493.9
RMS 136.1
mV
20
10
0
−10
−20
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−40
−50
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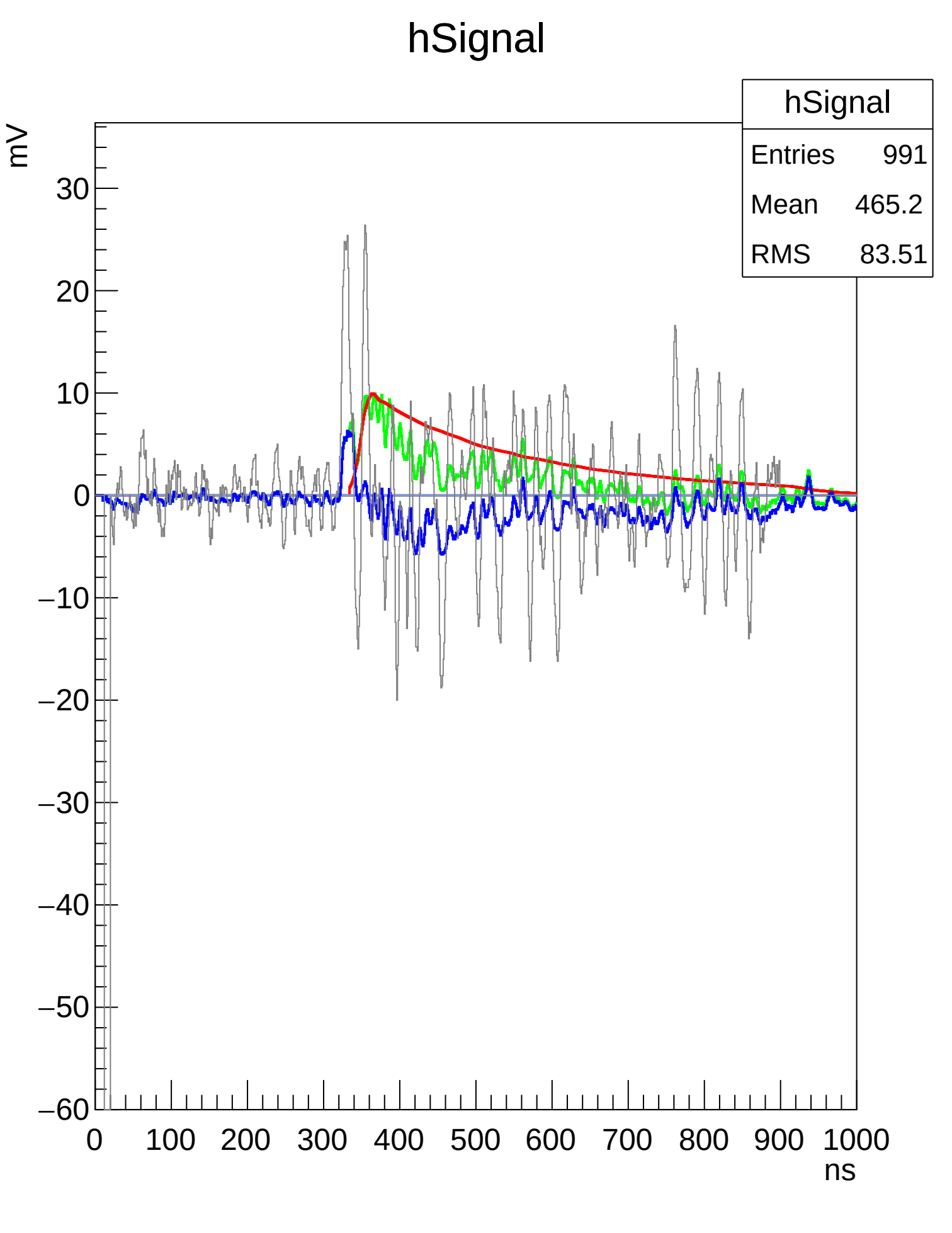
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 465.2
RMS 83.51
mV
30
20
10
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0
100
200
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400
500
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800
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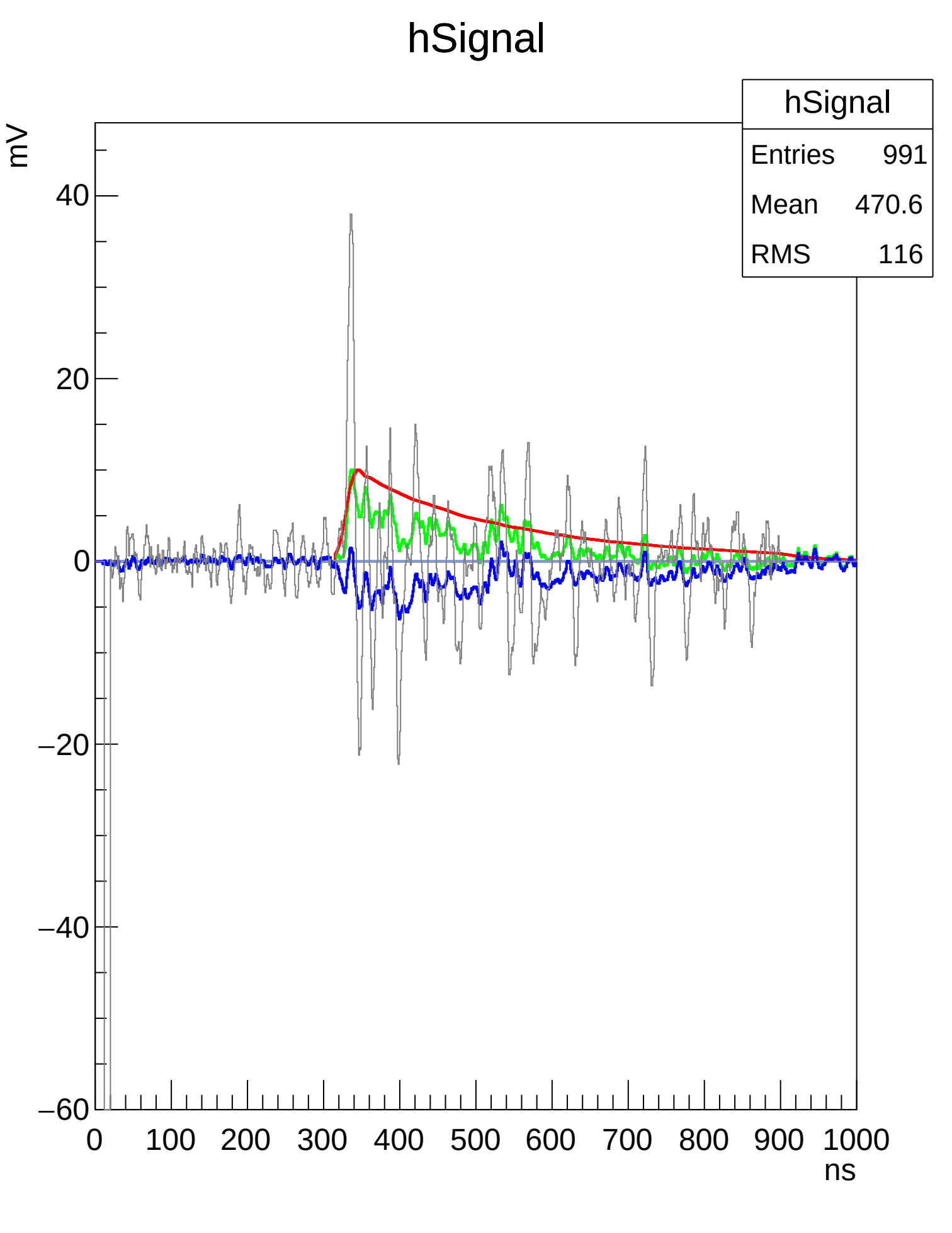
1000
ns


hSignal
hSignal
Entries 991
Mean 470.6
RMS 116
mV
40
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0
−20
−40
−60
0
100
200
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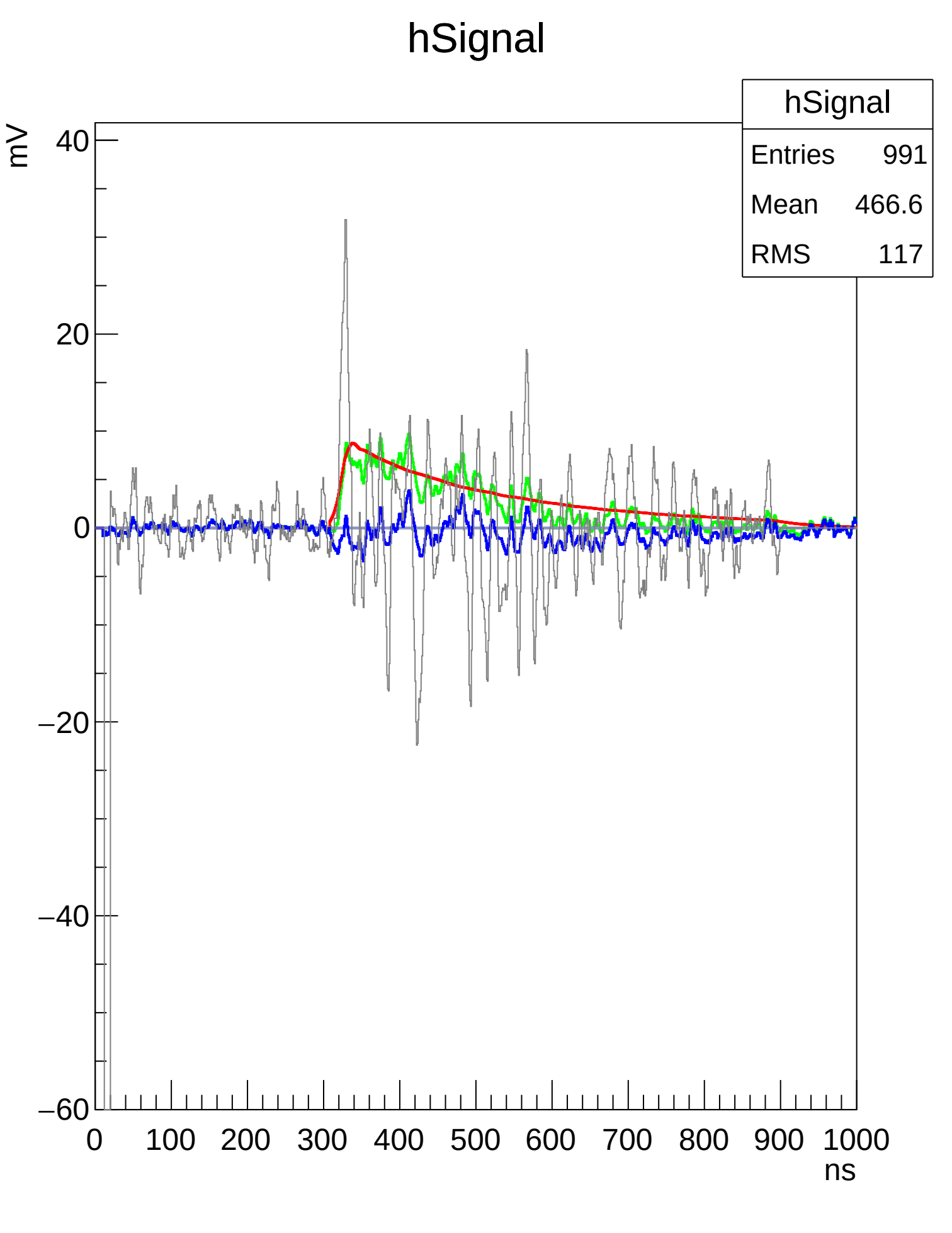
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 466.6
RMS 117
mV
40
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−20
−40
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0
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600
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800
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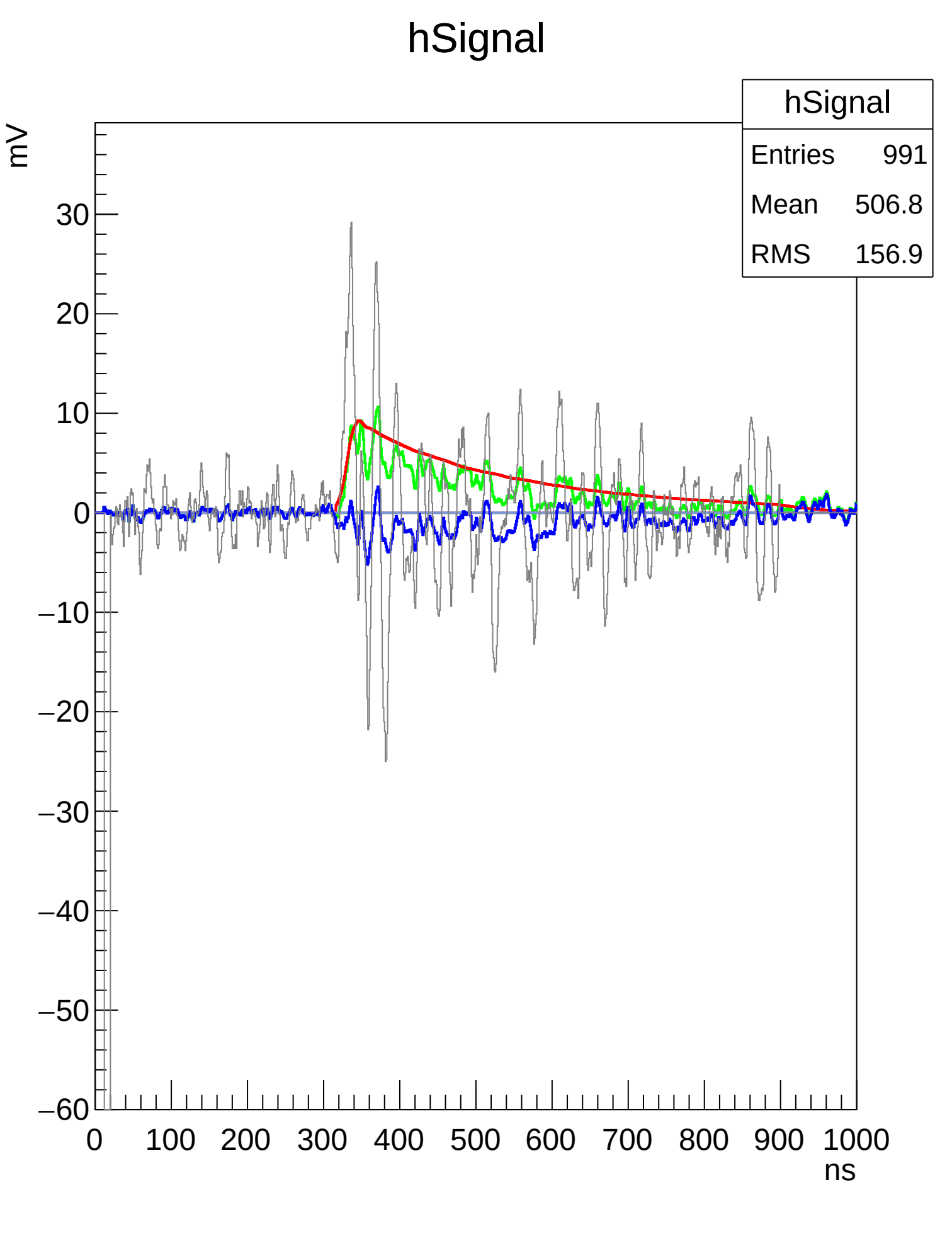
1000
ns


hSignal
hSignal
Entries 991
Mean 506.8
RMS 156.9
mV
30
20
10
0
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−40
−50
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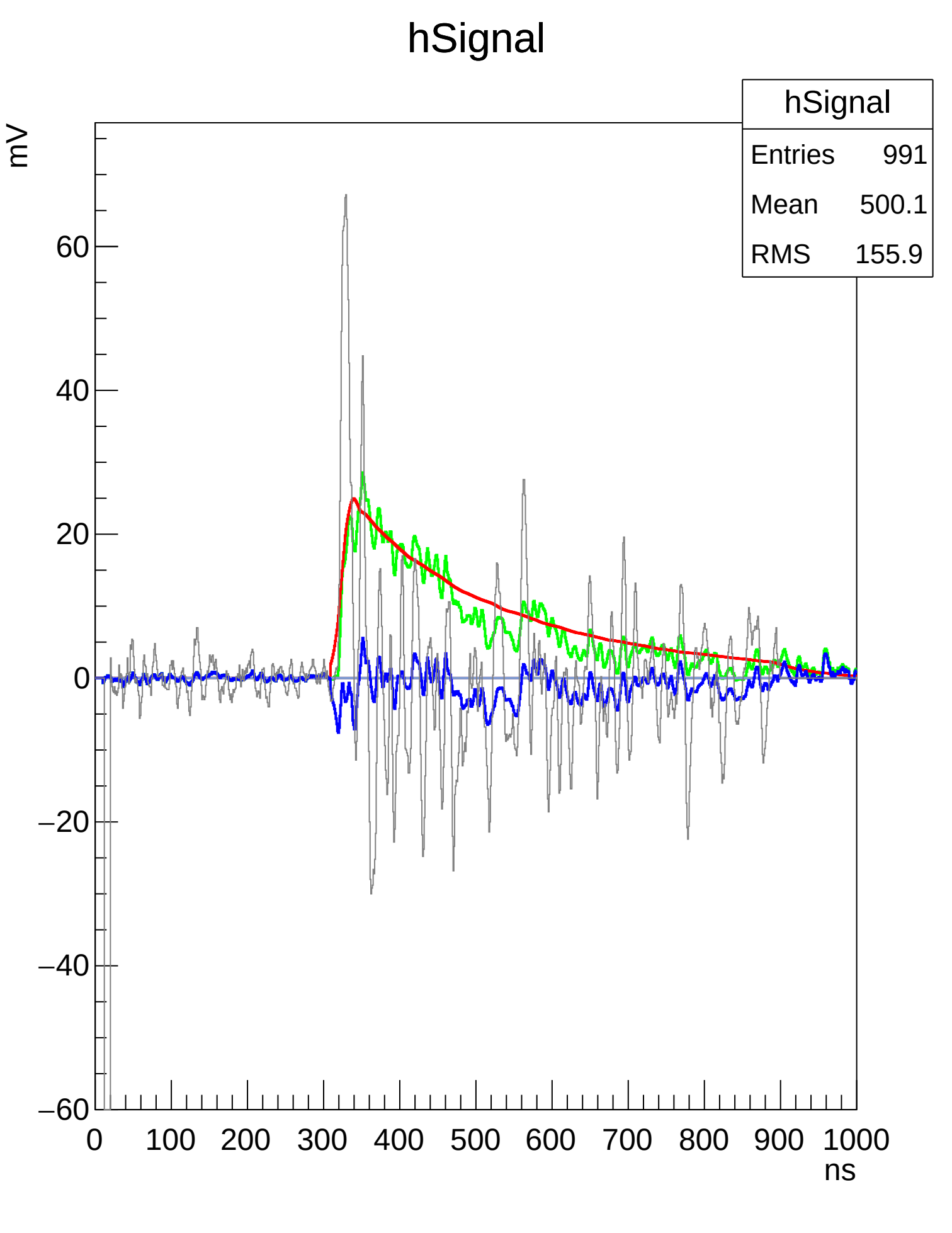
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500.1
RMS 155.9
mV
60
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0
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400
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600
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800
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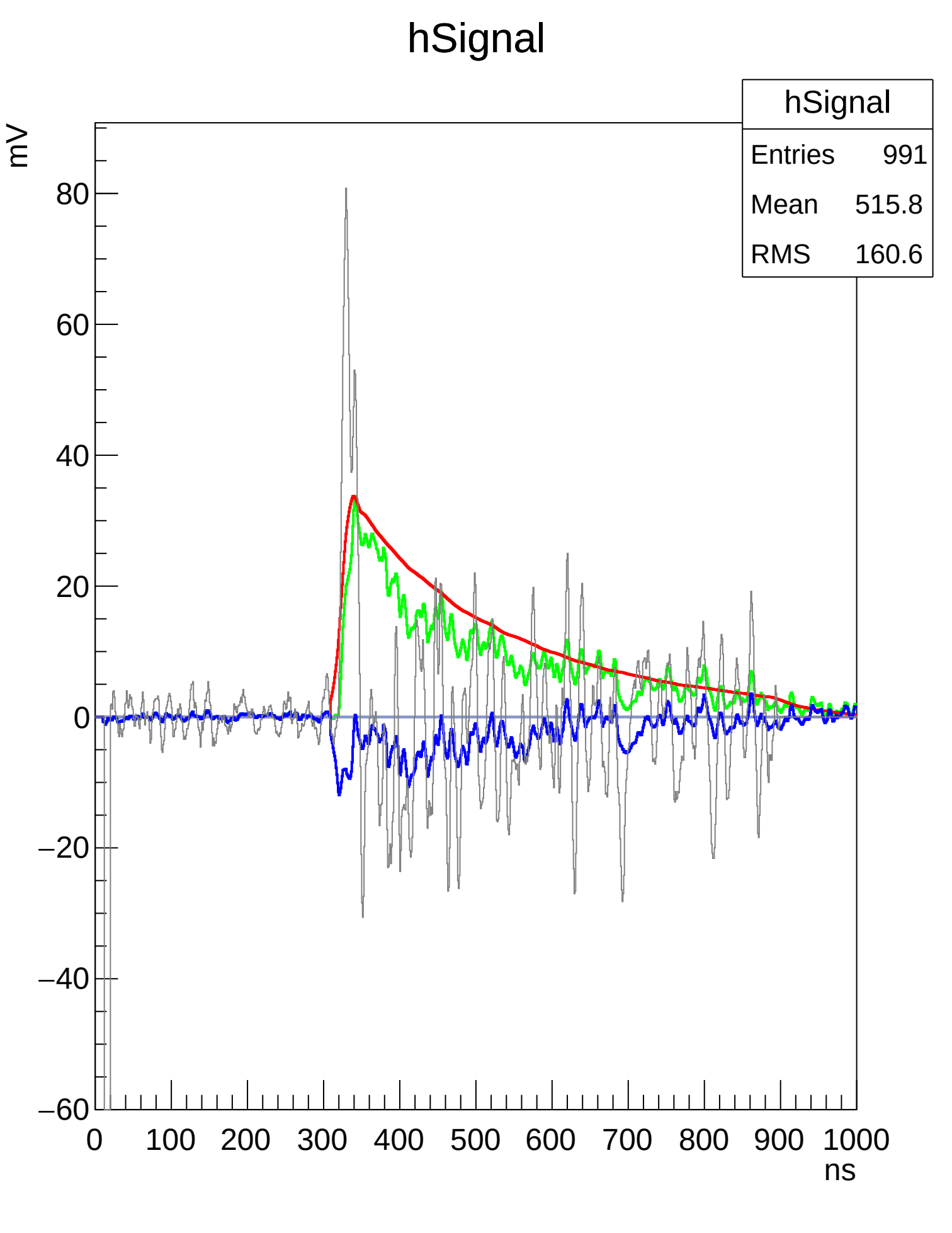
1000
ns


hSignal
hSignal
Entries 991
Mean 515.8
RMS 160.6
mV
80
60
40
20
0
−20
−40
−60
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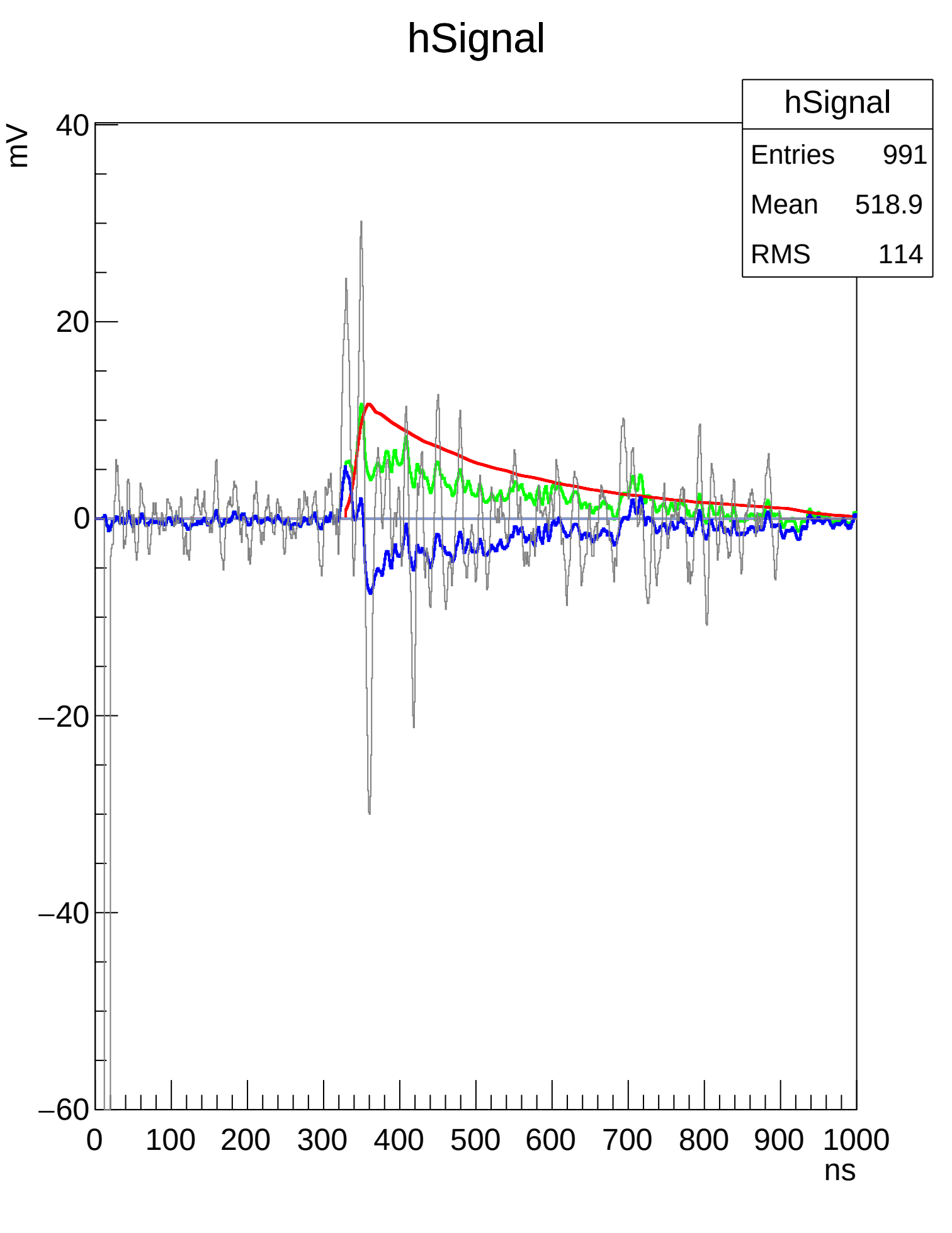
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.9
RMS 114
mV
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−20
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0
100
200
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600
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800
900
1000
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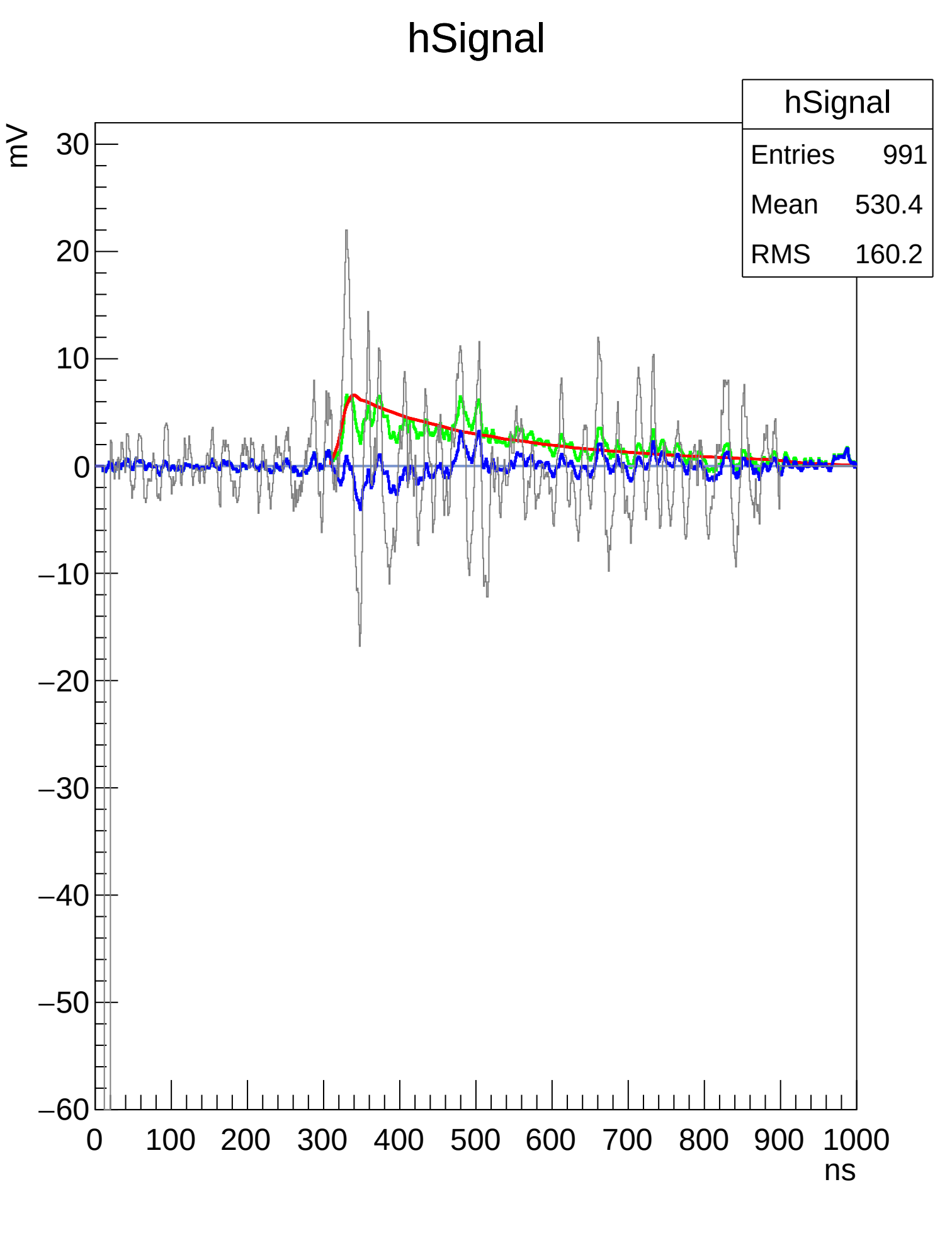
hSignal
hSignal
Entries 991
Mean 530.4
RMS 160.2
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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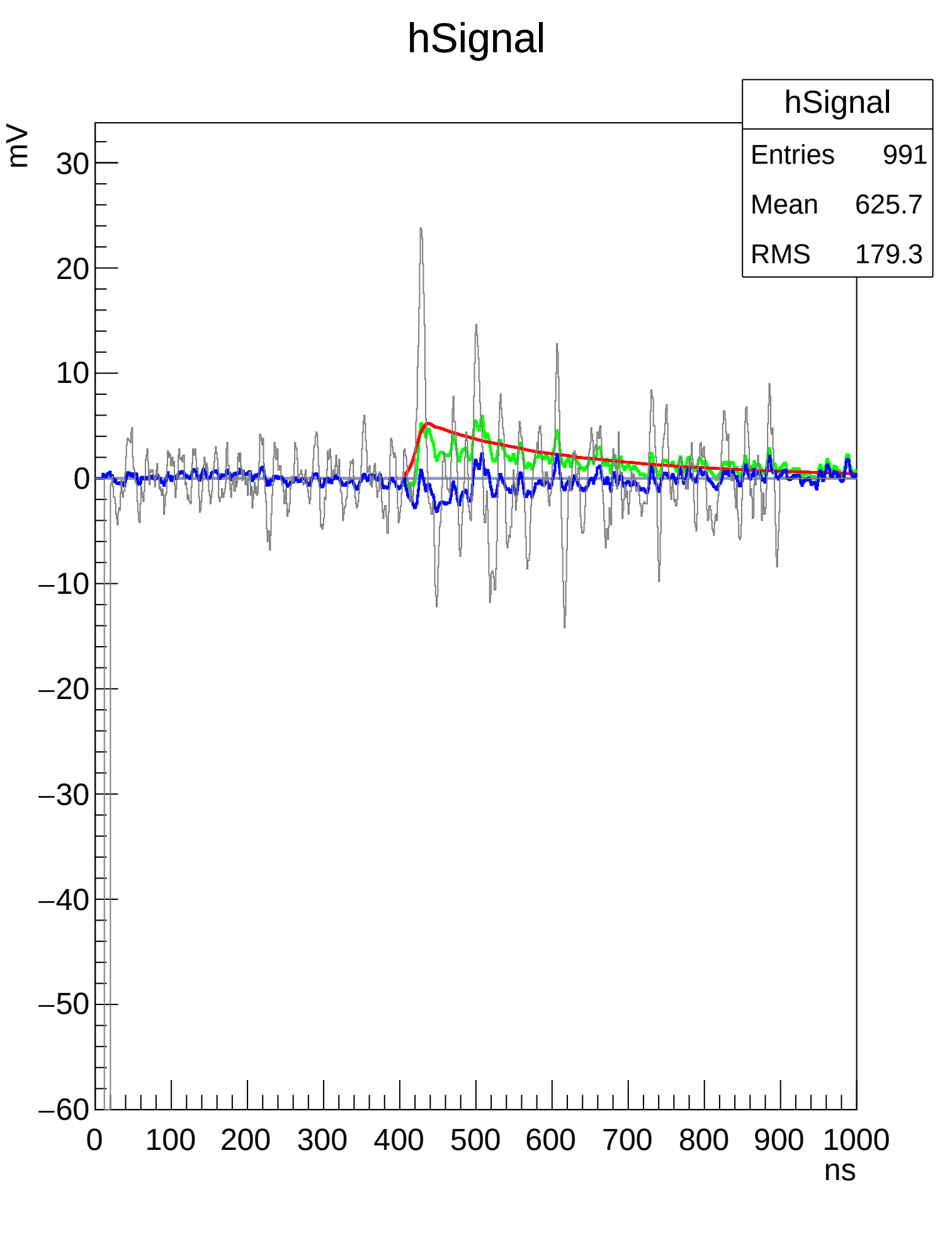
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.7
RMS 179.3
mV
30
20
10
0
−10
−20
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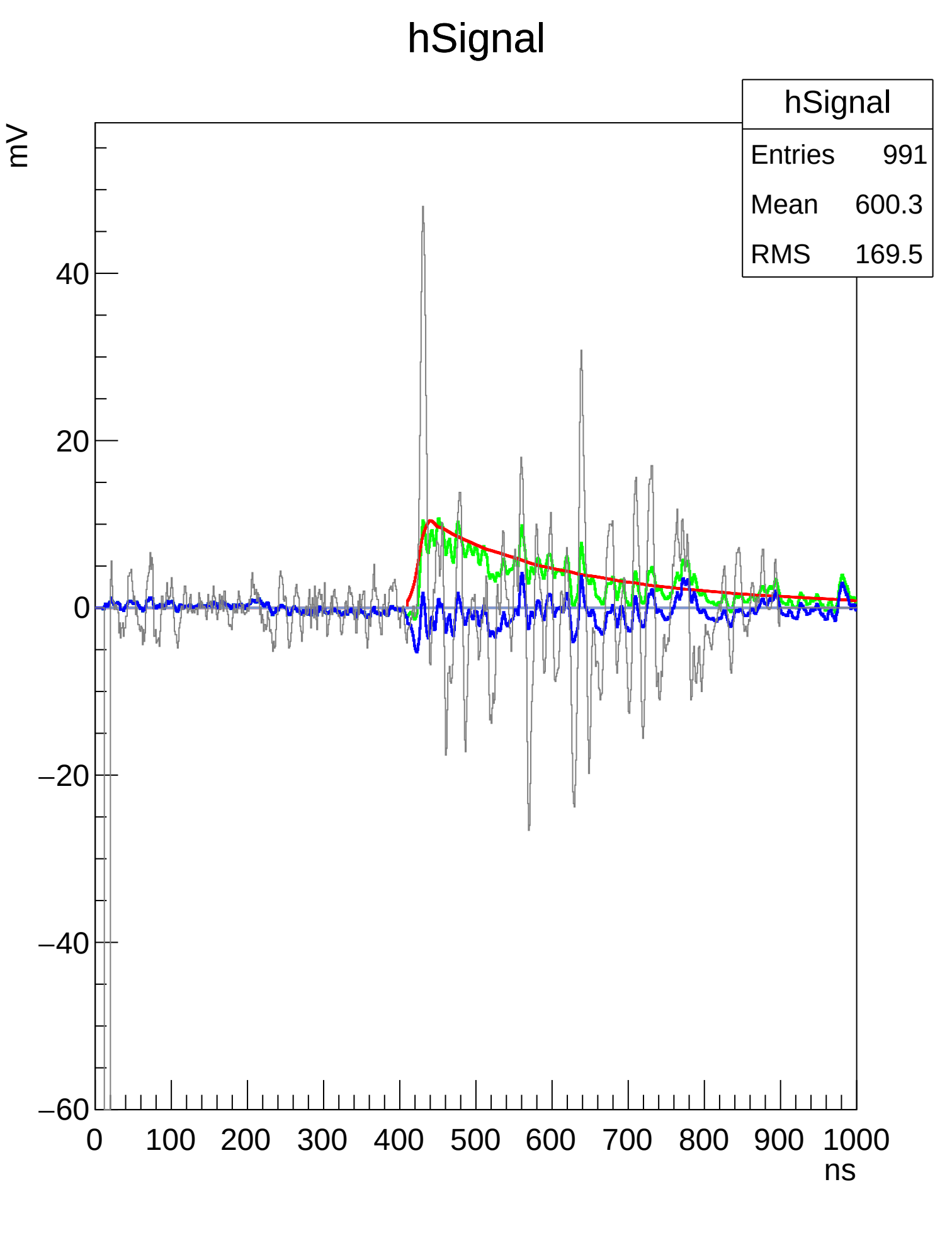
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.3
RMS 169.5
mV
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400
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1000
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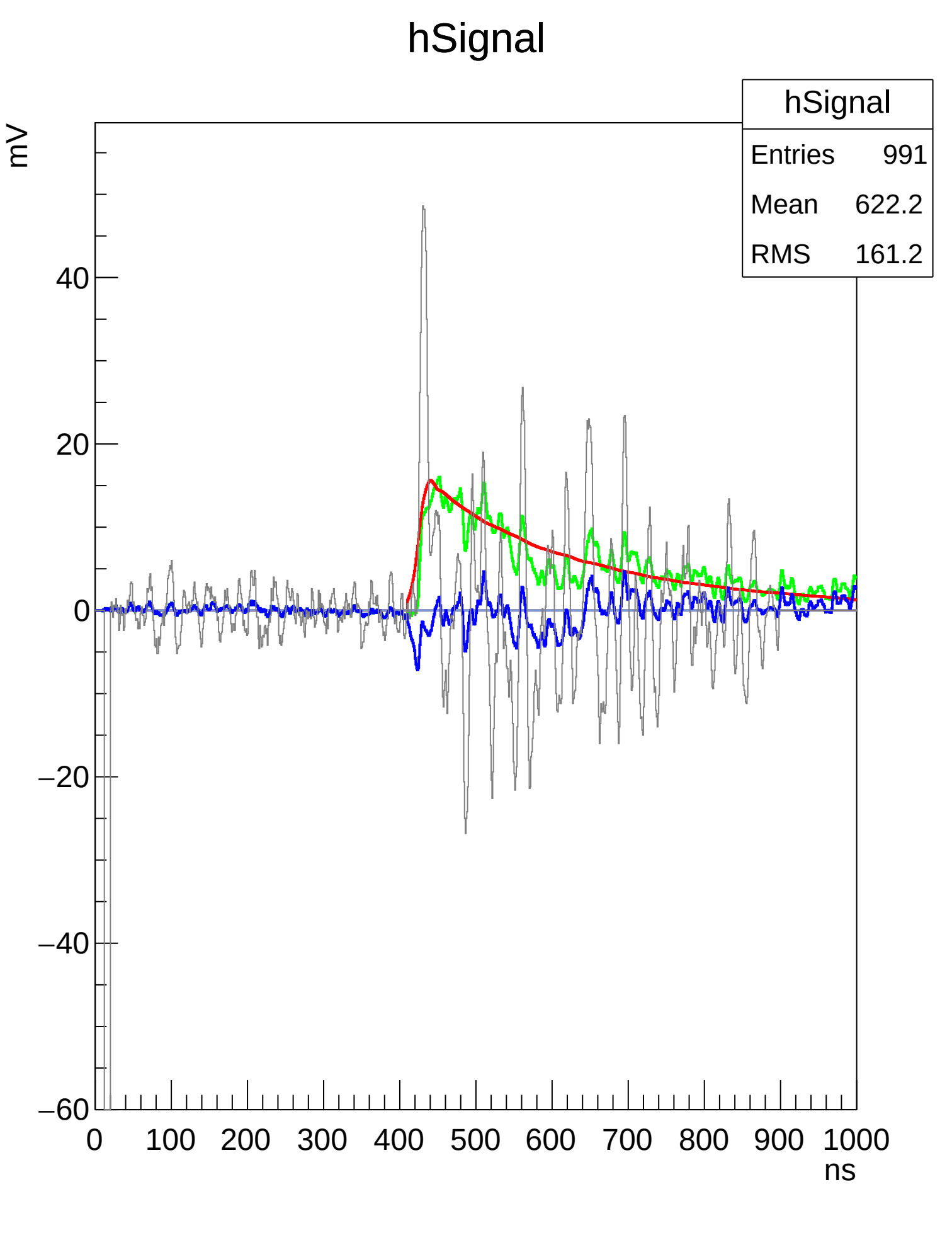
hSignal
hSignal
Entries 991
Mean 622.2
RMS 161.2
mV
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−20
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0
100
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600
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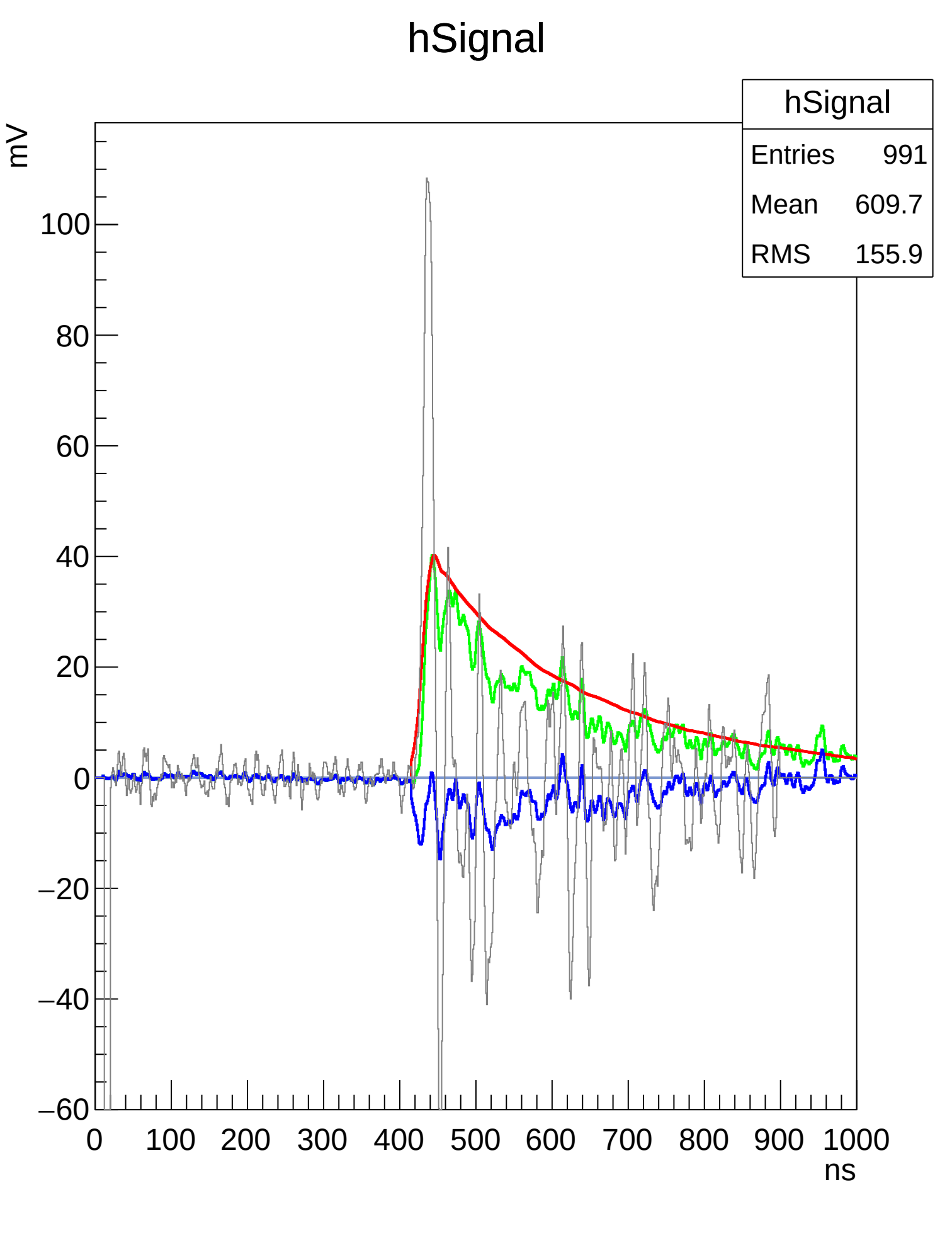
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.7
RMS 155.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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800
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1000
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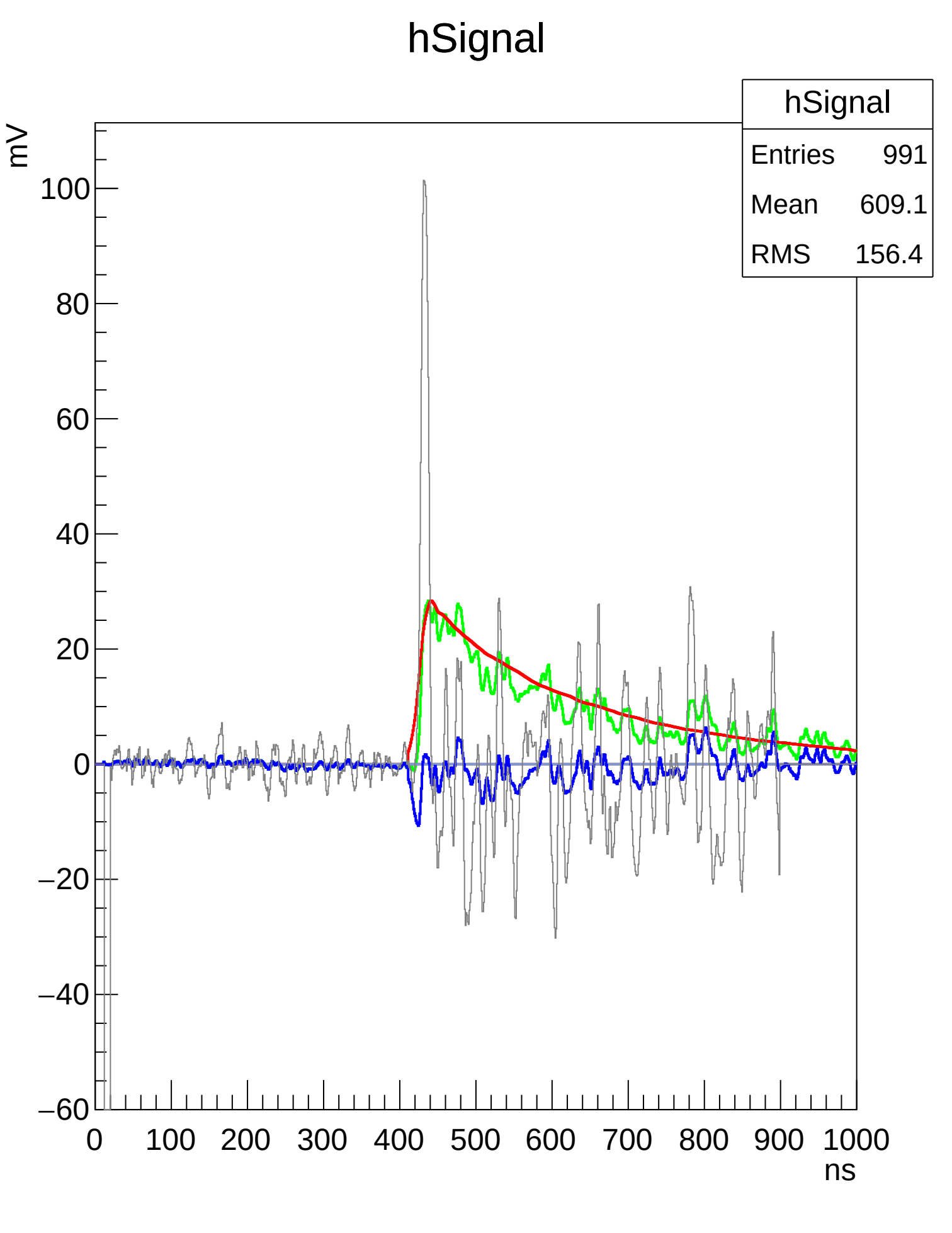
hSignal
hSignal
Entries 991
Mean 609.1
RMS 156.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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600
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800
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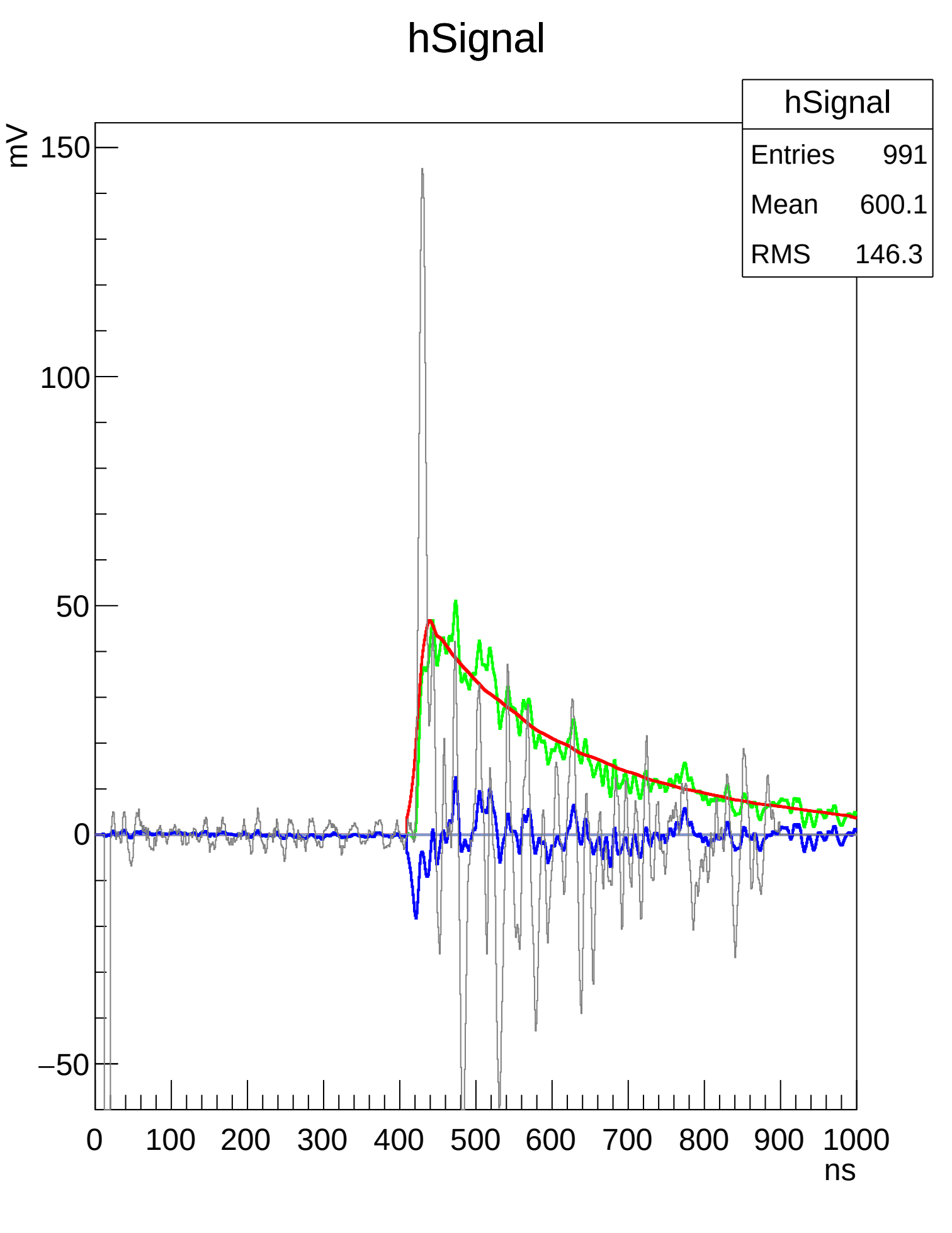
1000
ns


hSignal
hSignal
Entries 991
Mean 600.1
RMS 146.3
mV
150
100
50
0
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0
100
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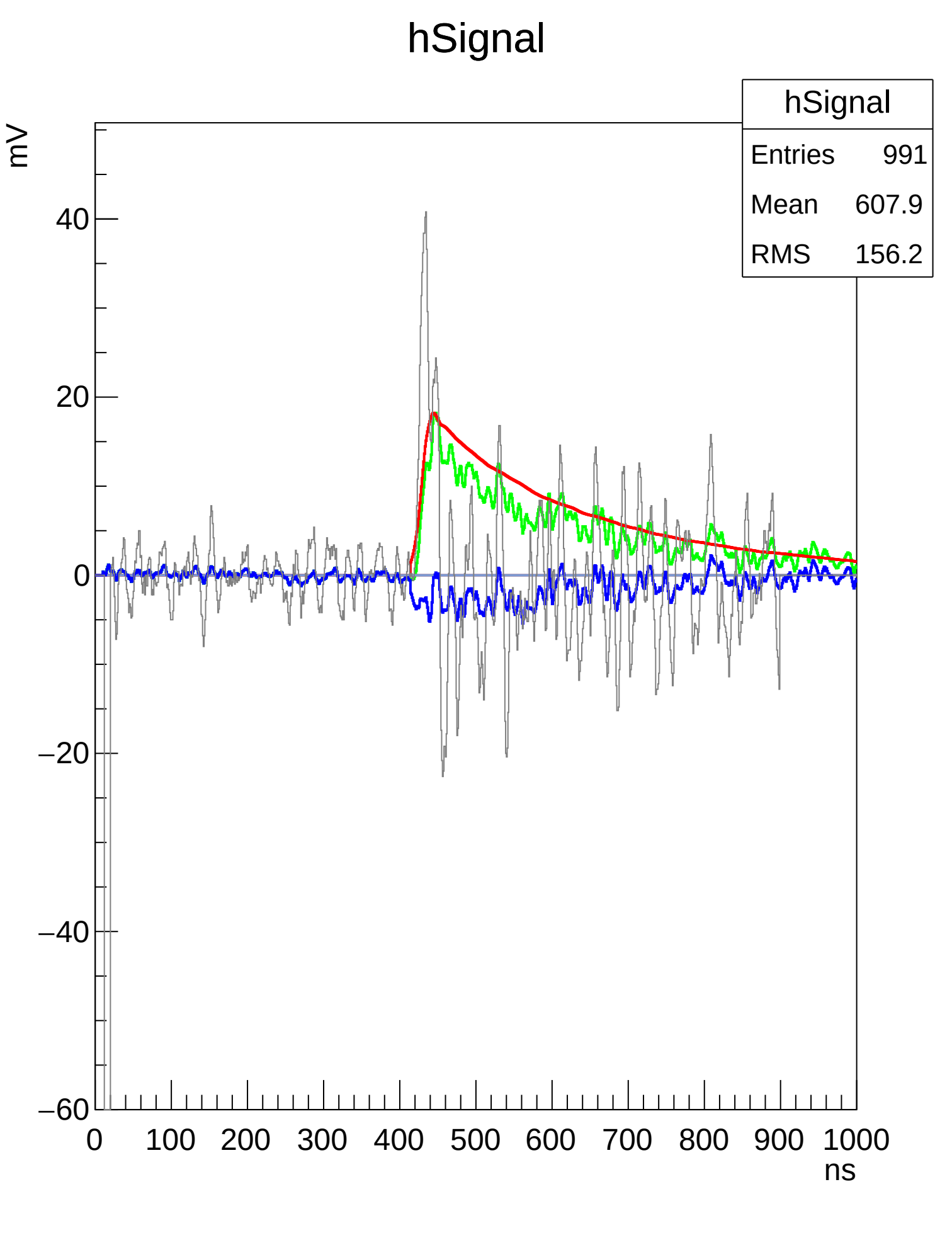
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.9
RMS 156.2
mV
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−20
−40
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0
100
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600
700
800
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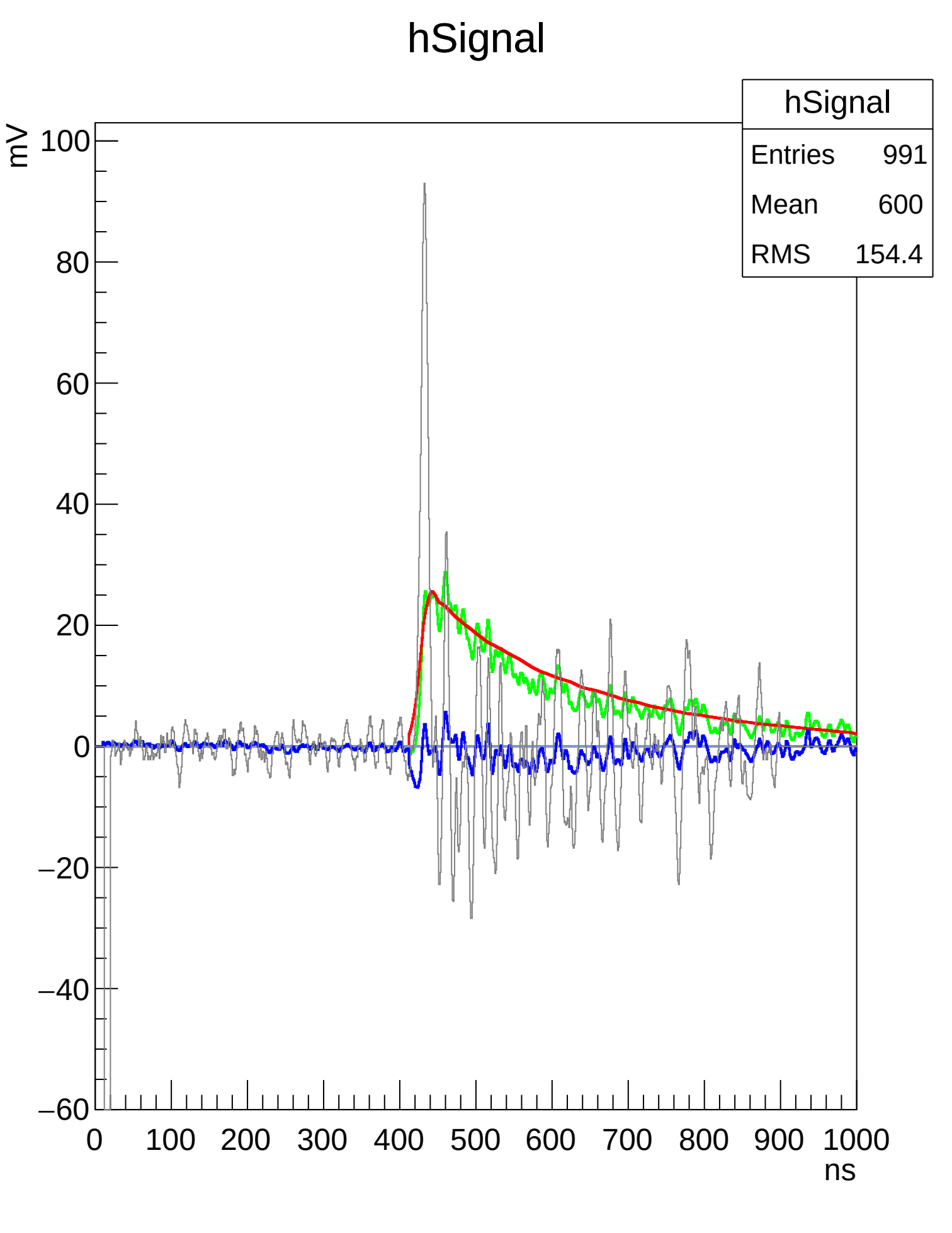
1000
ns


hSignal
hSignal
Entries 991
Mean 600
RMS 154.4
mV
100
80
60
40
20
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−20
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−60
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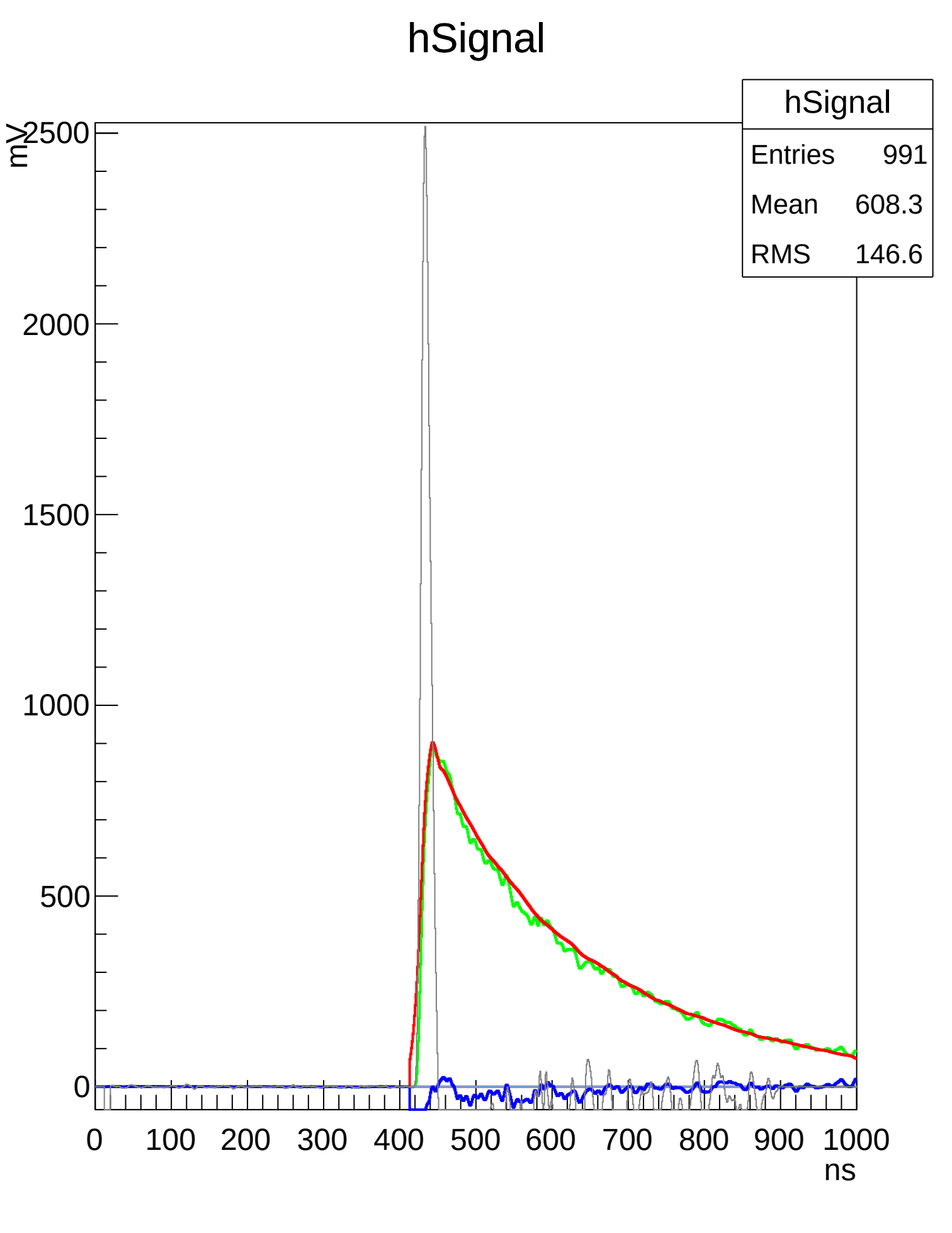
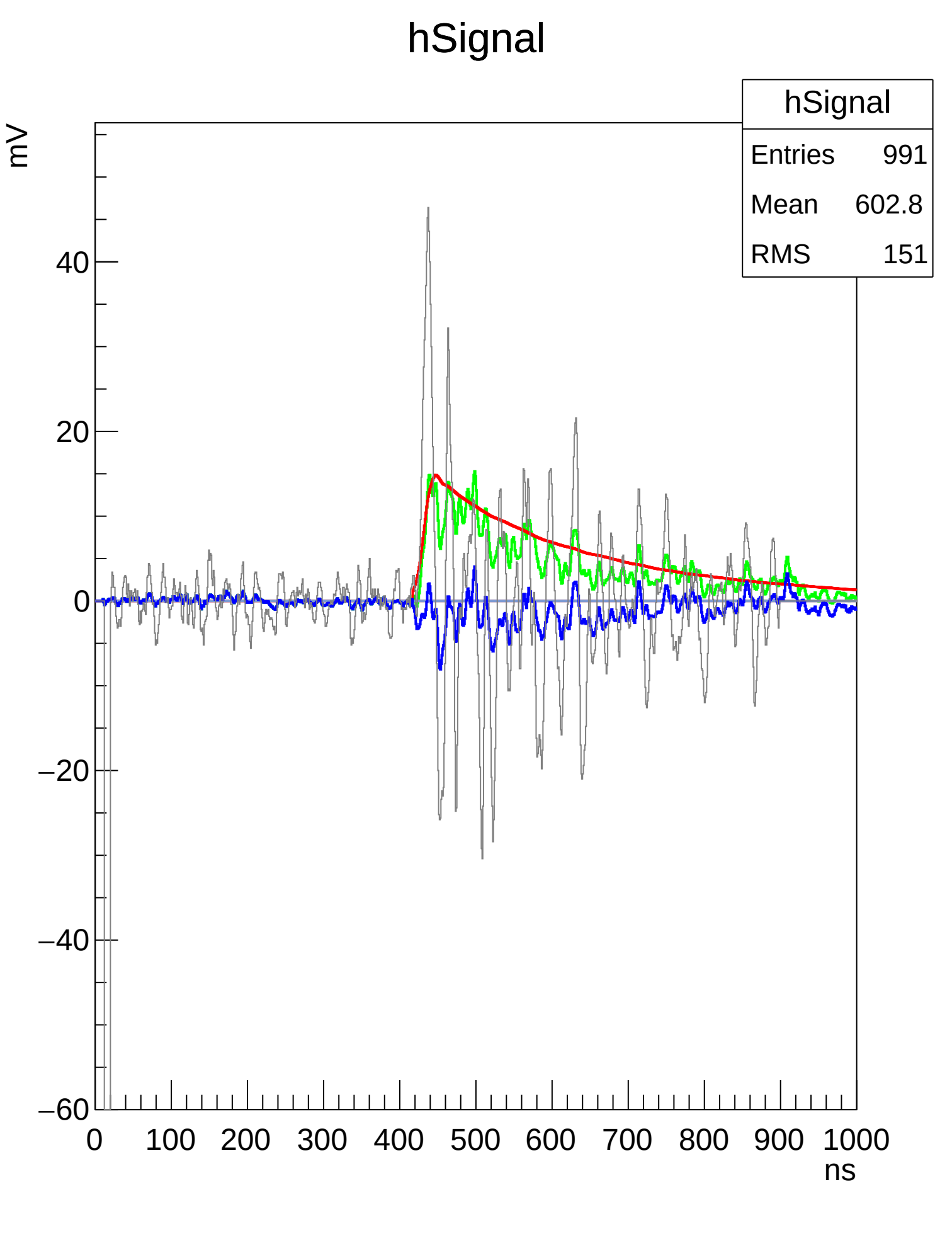
1000
ns


hSignal
hSignal
Entries 991
Mean 608.3
RMS 146.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 602.8
RMS 151
mV
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−20
−40
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100
200
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700
800
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1000
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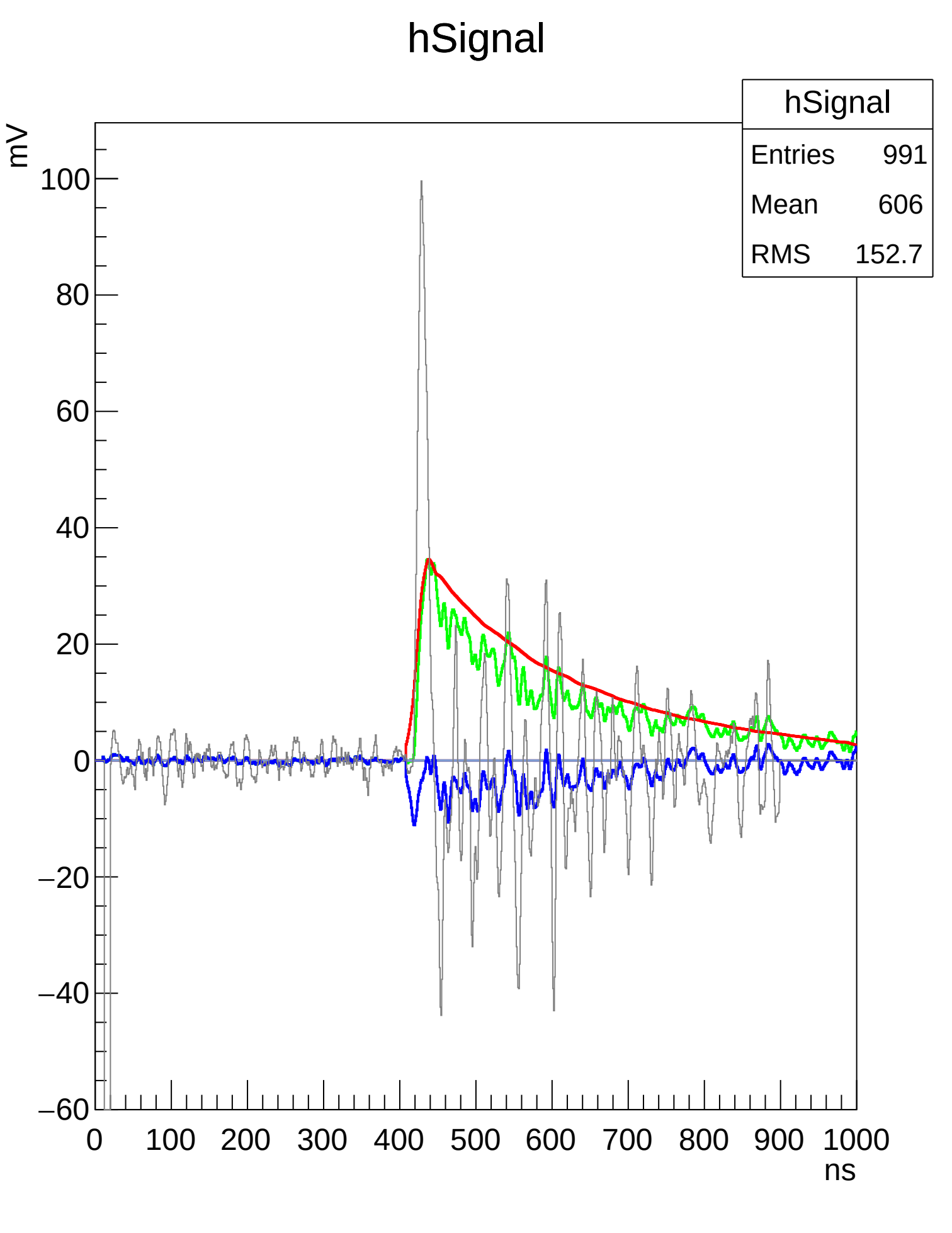
hSignal
hSignal
Entries 991
Mean 606
RMS 152.7
mV
100
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60
40
20
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800
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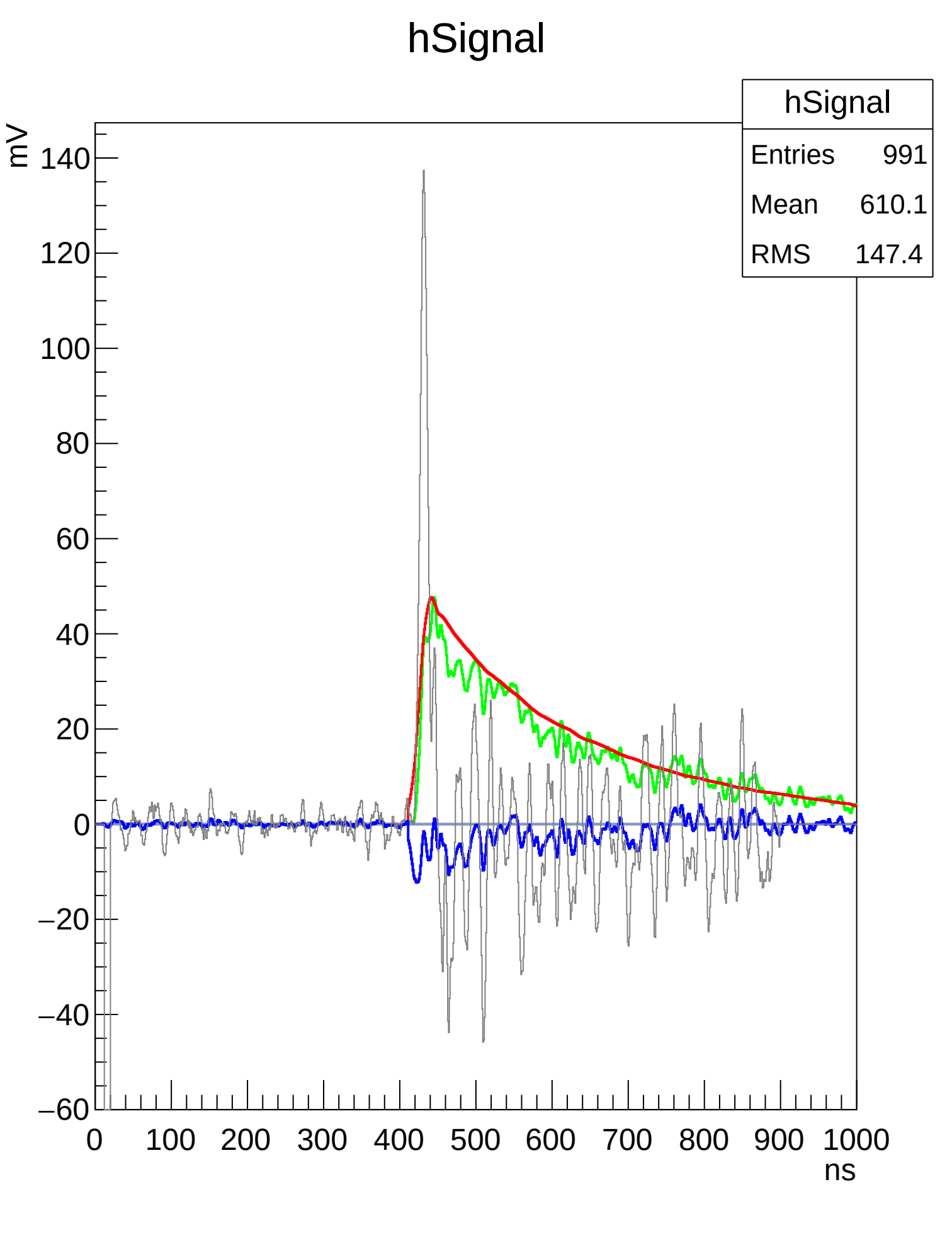
hSignal
hSignal
Entries 991
Mean 610.1
RMS 147.4
mV
140
120
100
80
60
40
20
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−20
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200
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800
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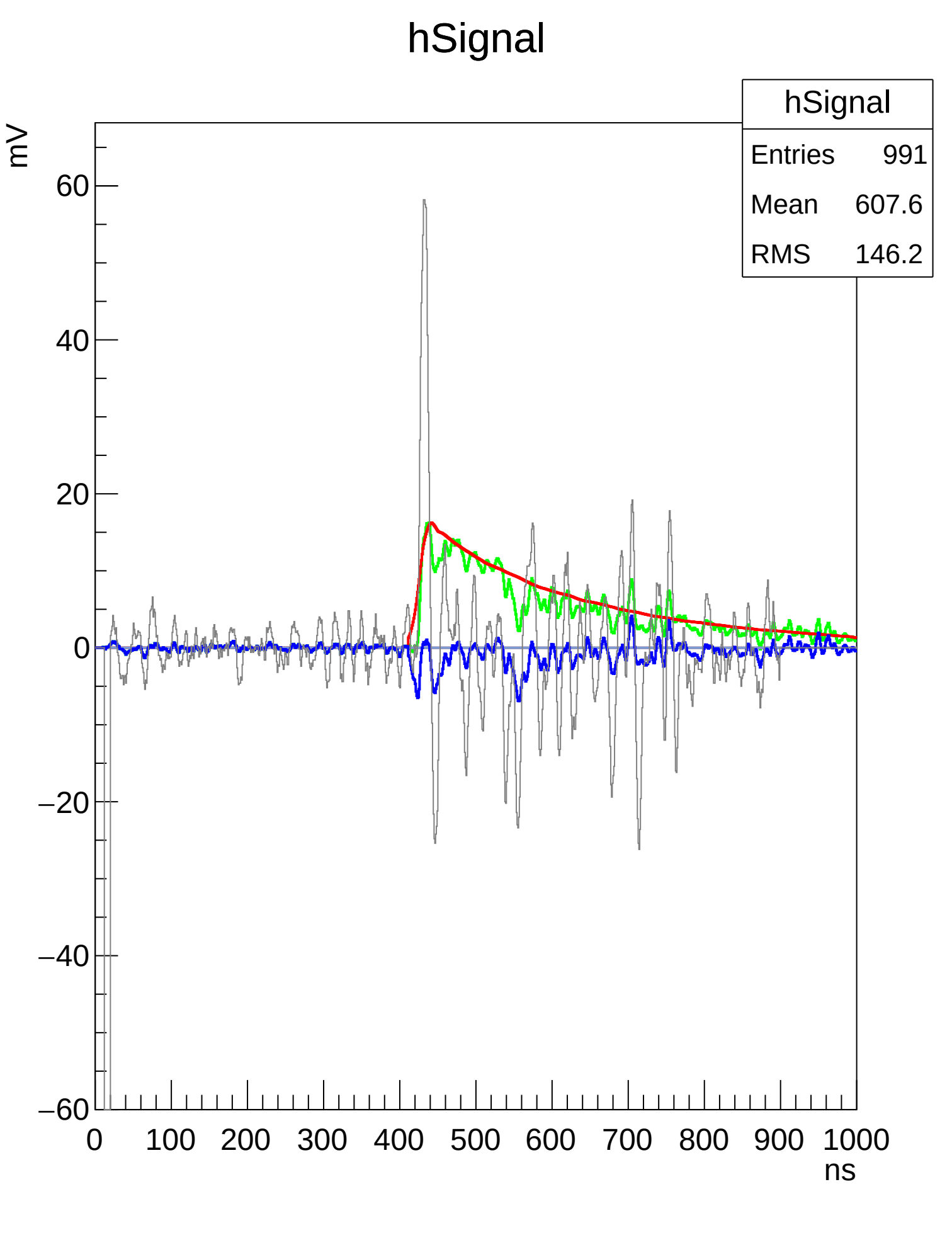
1000
ns


hSignal
hSignal
Entries 991
Mean 607.6
RMS 146.2
mV
60
40
20
0
−20
−40
−60
0
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200
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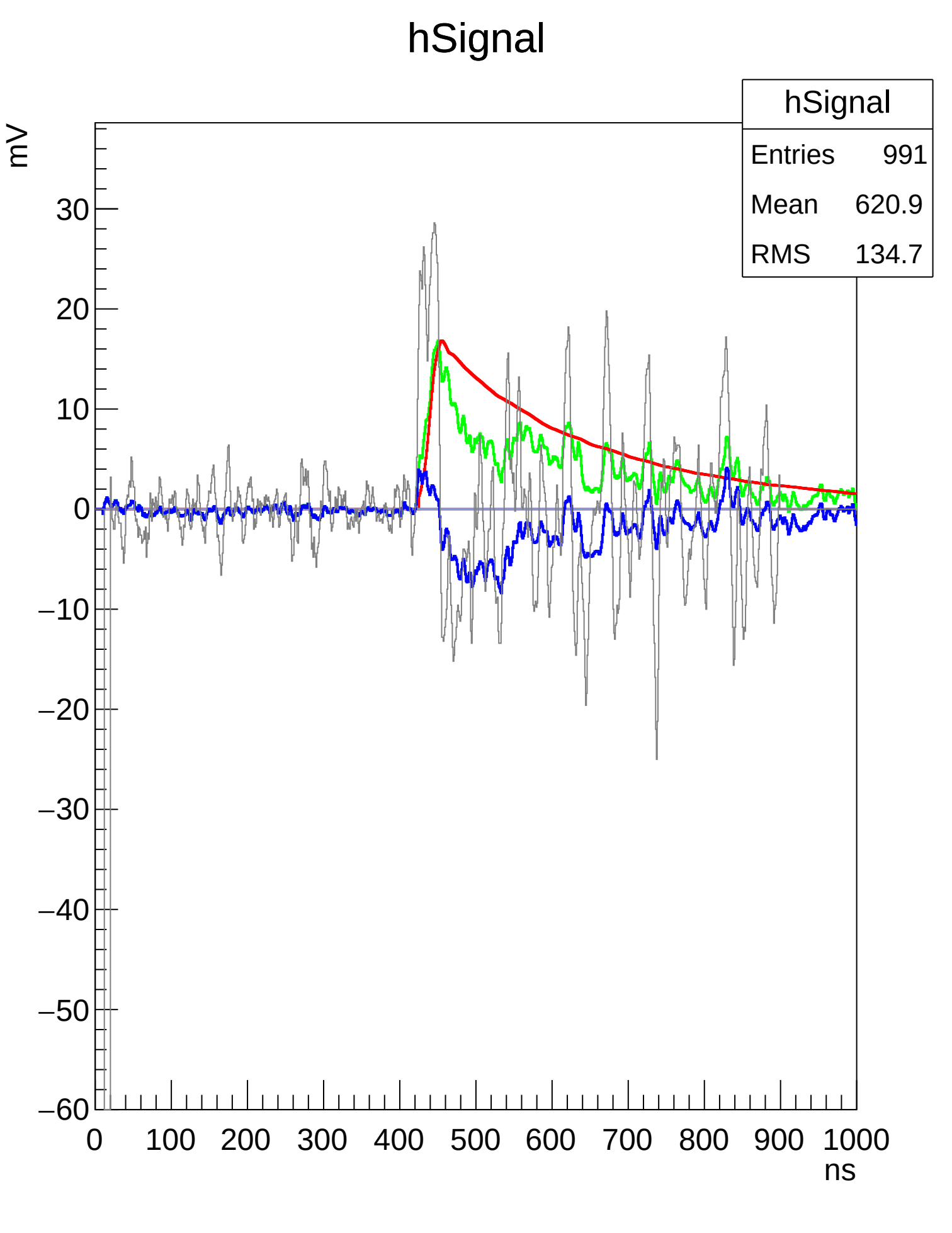
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.9
RMS 134.7
mV
30
20
10
0
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−40
−50
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0
100
200
300
400
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800
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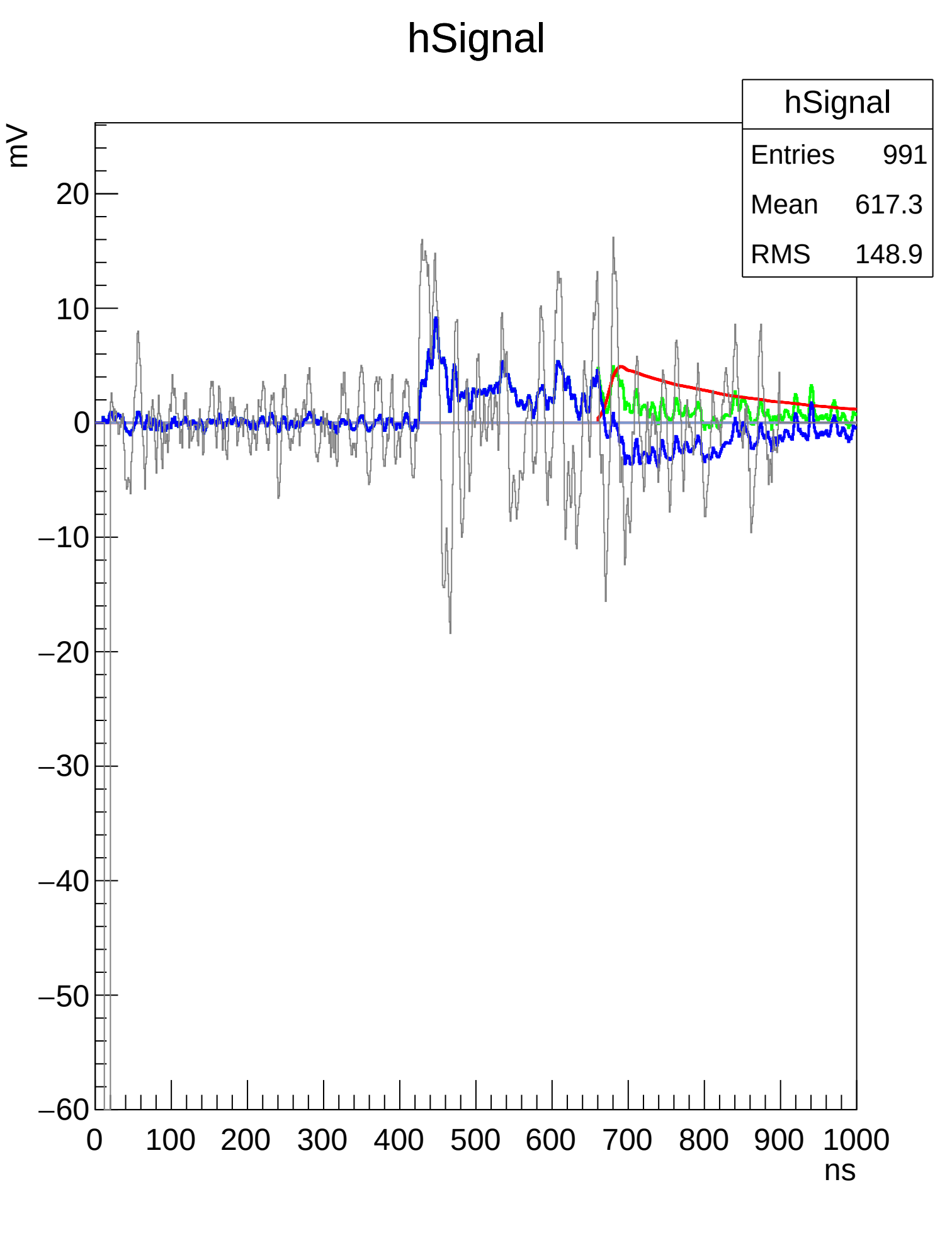
1000
ns


hSignal
hSignal
Entries 991
Mean 617.3
RMS 148.9
mV
20
10
0
−10
−20
−30
−40
−50
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200
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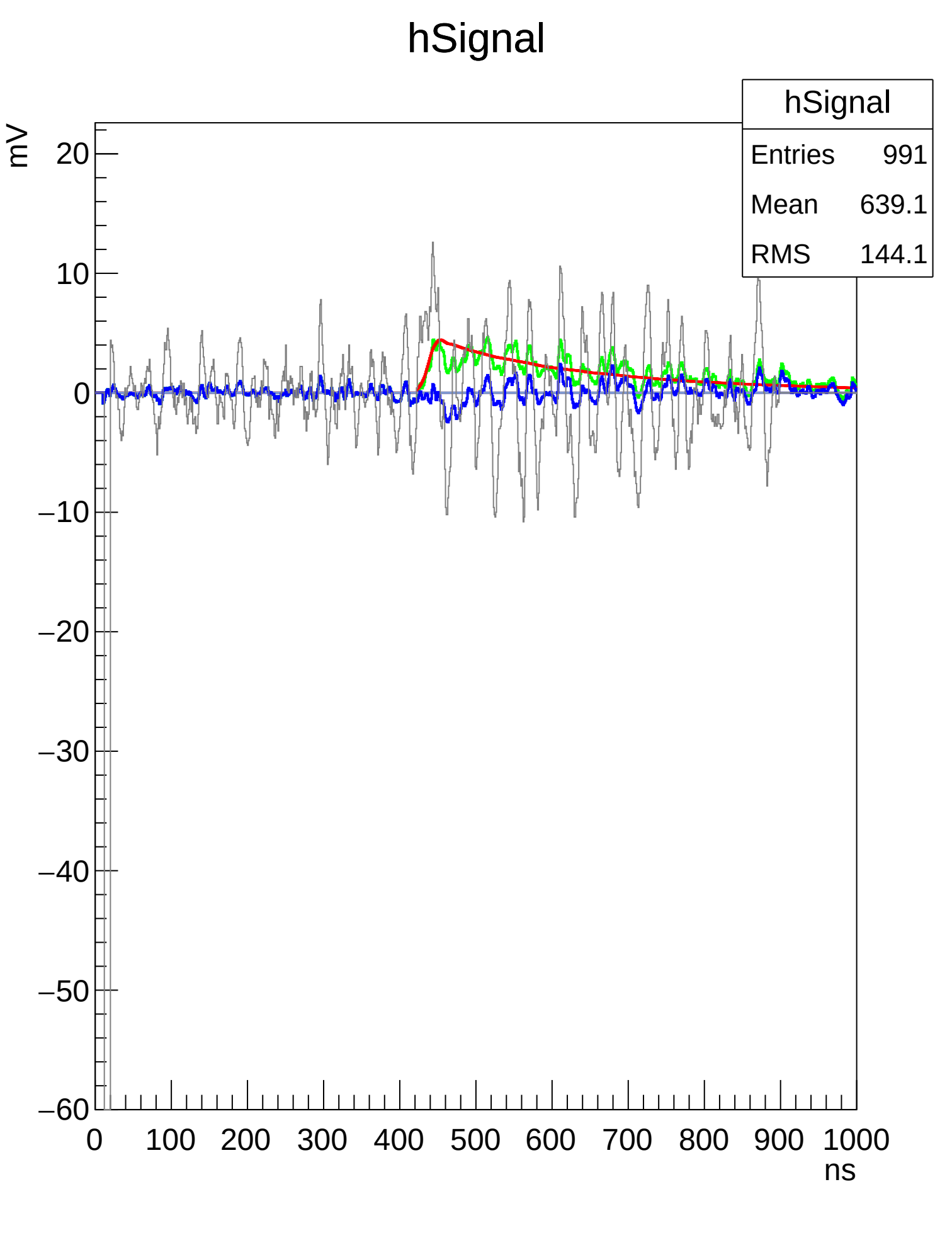
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 639.1
RMS 144.1
mV
20
10
0
−10
−20
−30
−40
−50
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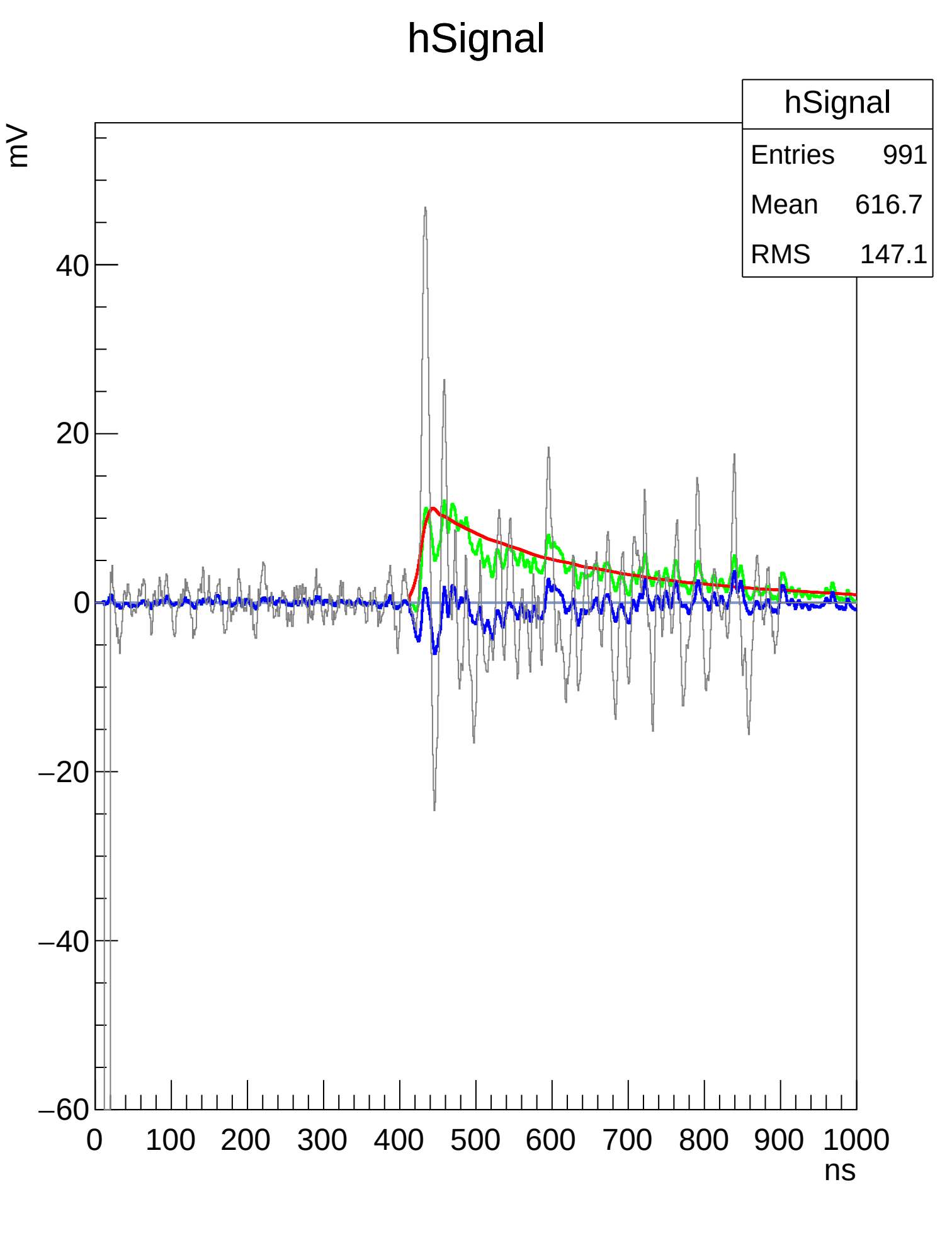
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.7
RMS 147.1
mV
40
20
0
−20
−40
−60
0
100
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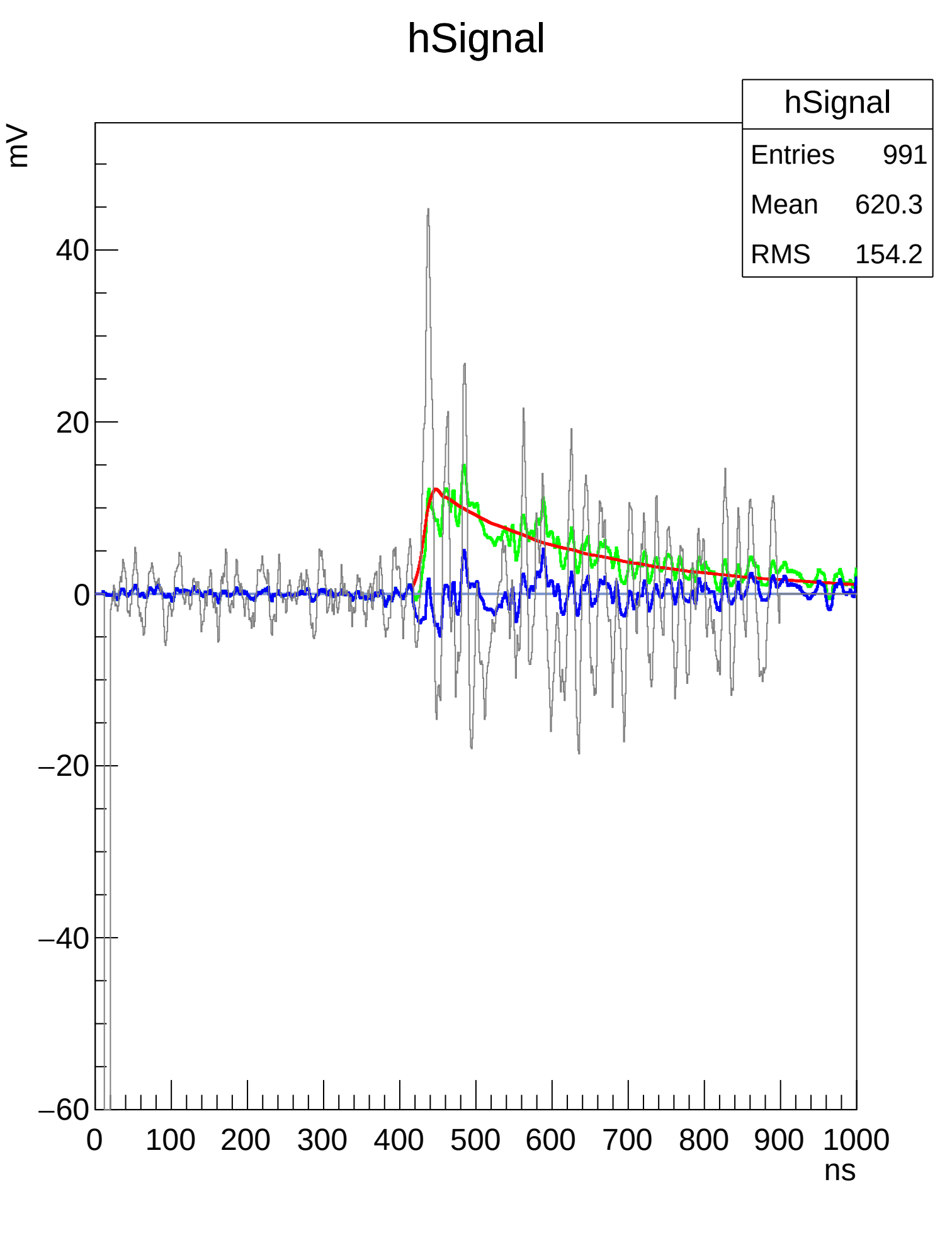
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.3
RMS 154.2
mV
40
20
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−20
−40
−60
0
100
200
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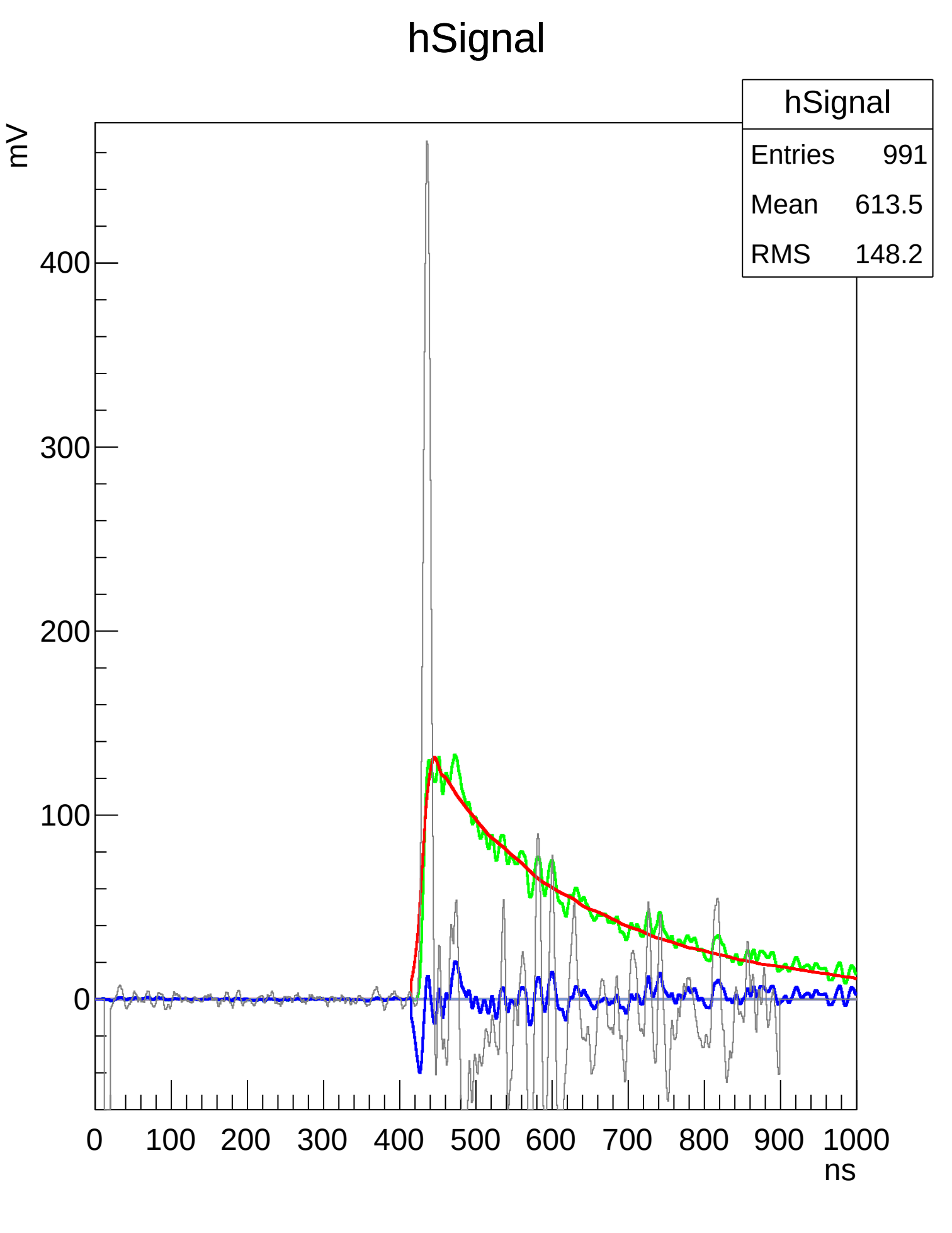
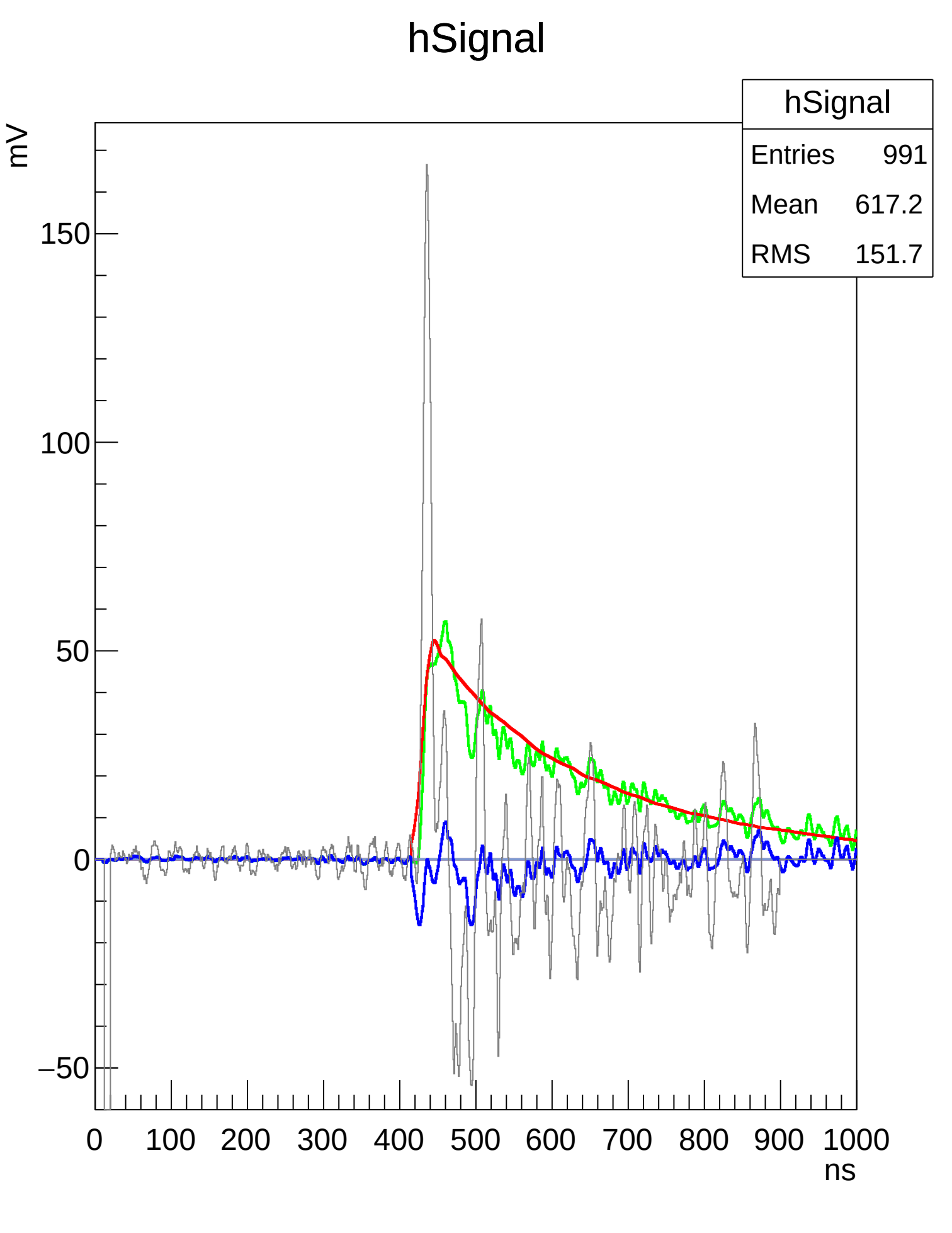
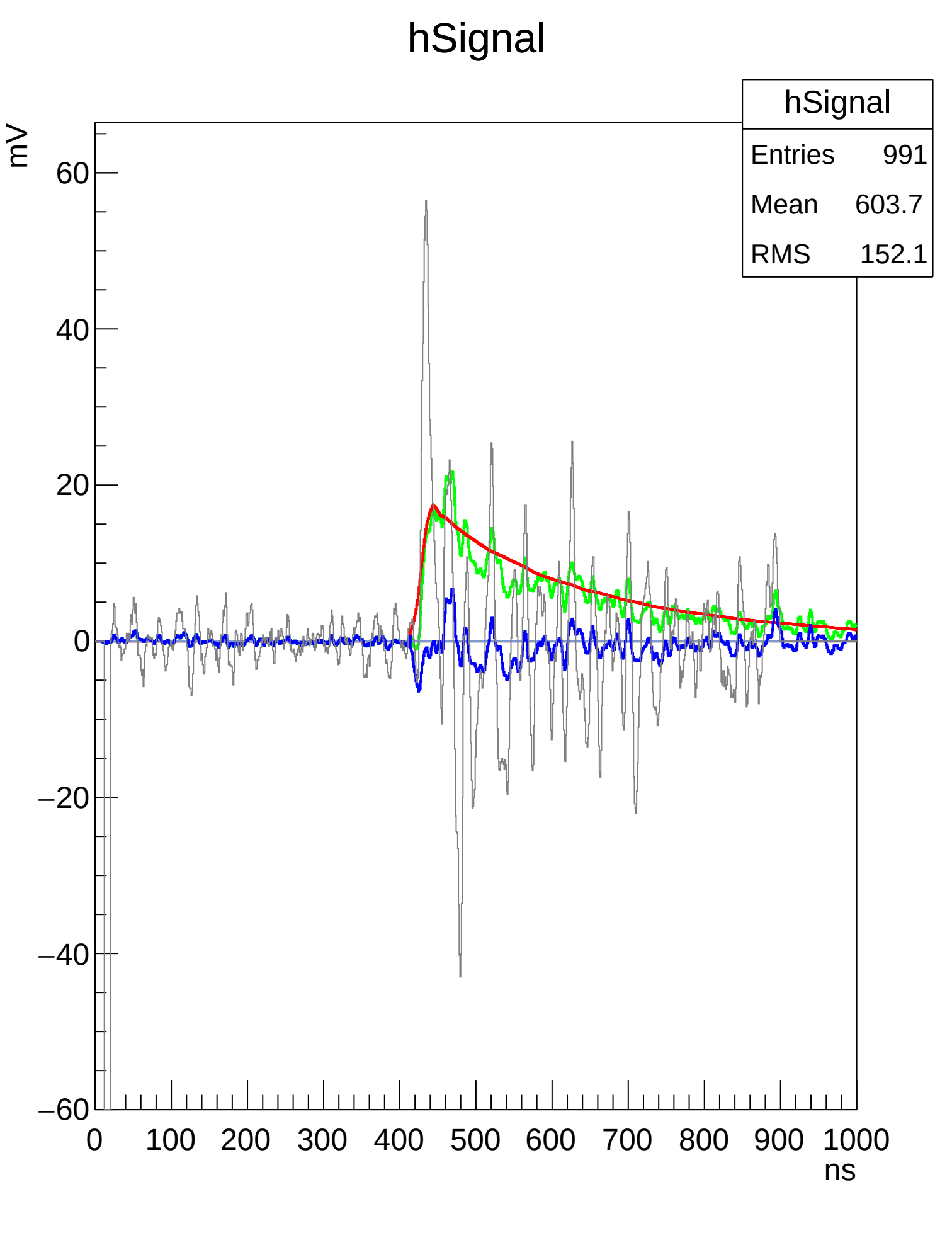
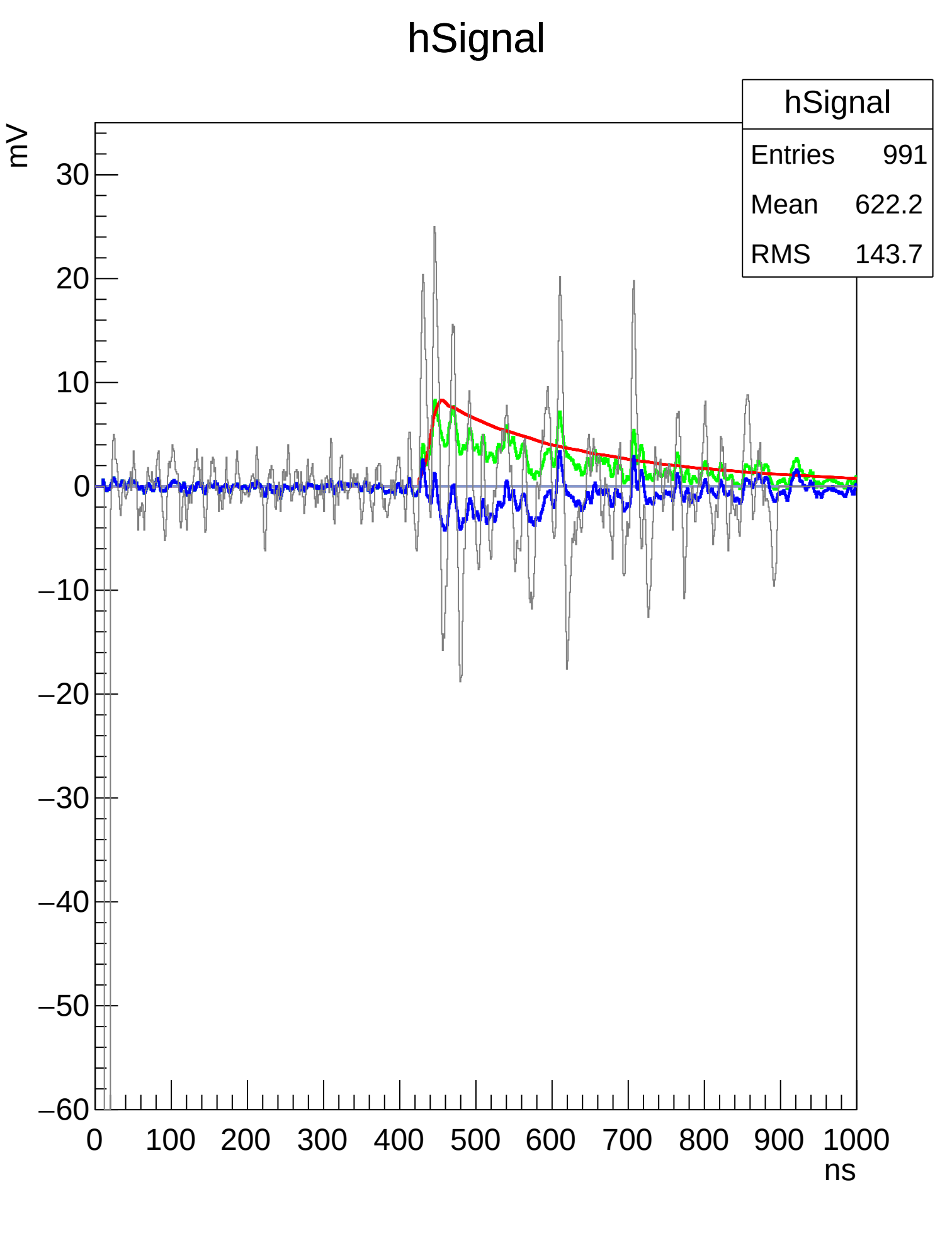
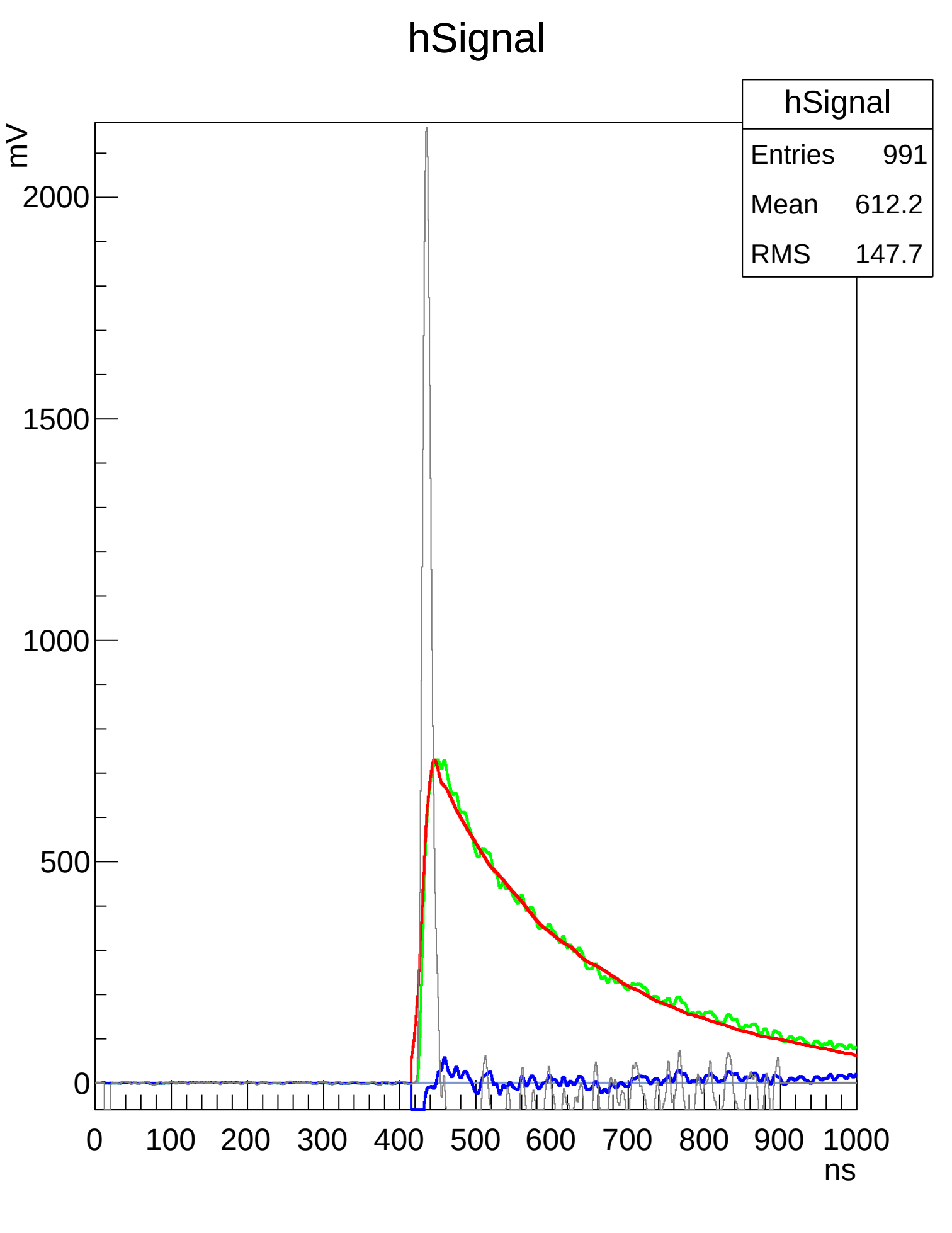
600
700
800
900
1000
ns

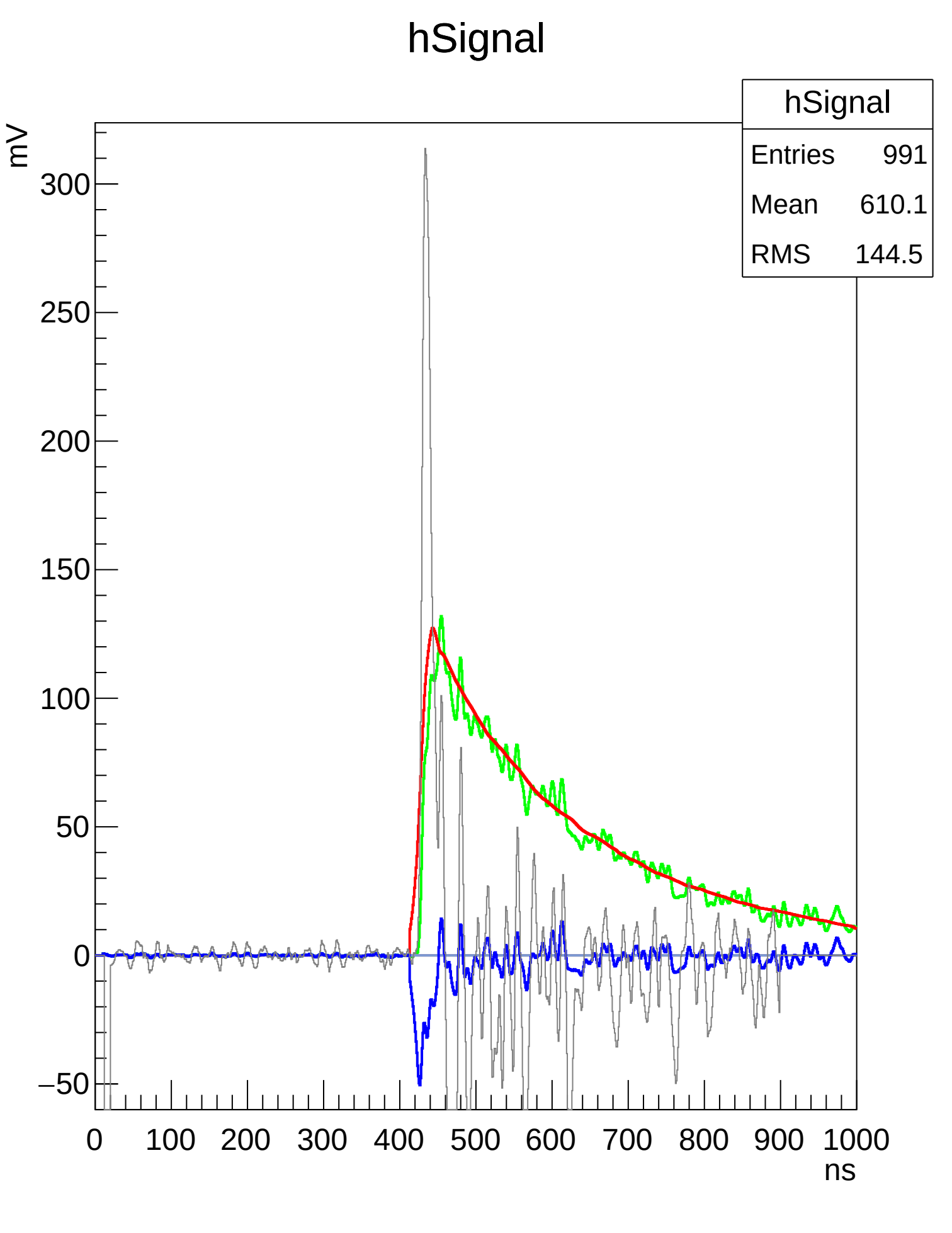

hSignal
hSignal
Entries 991
Mean 613.5
RMS 148.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

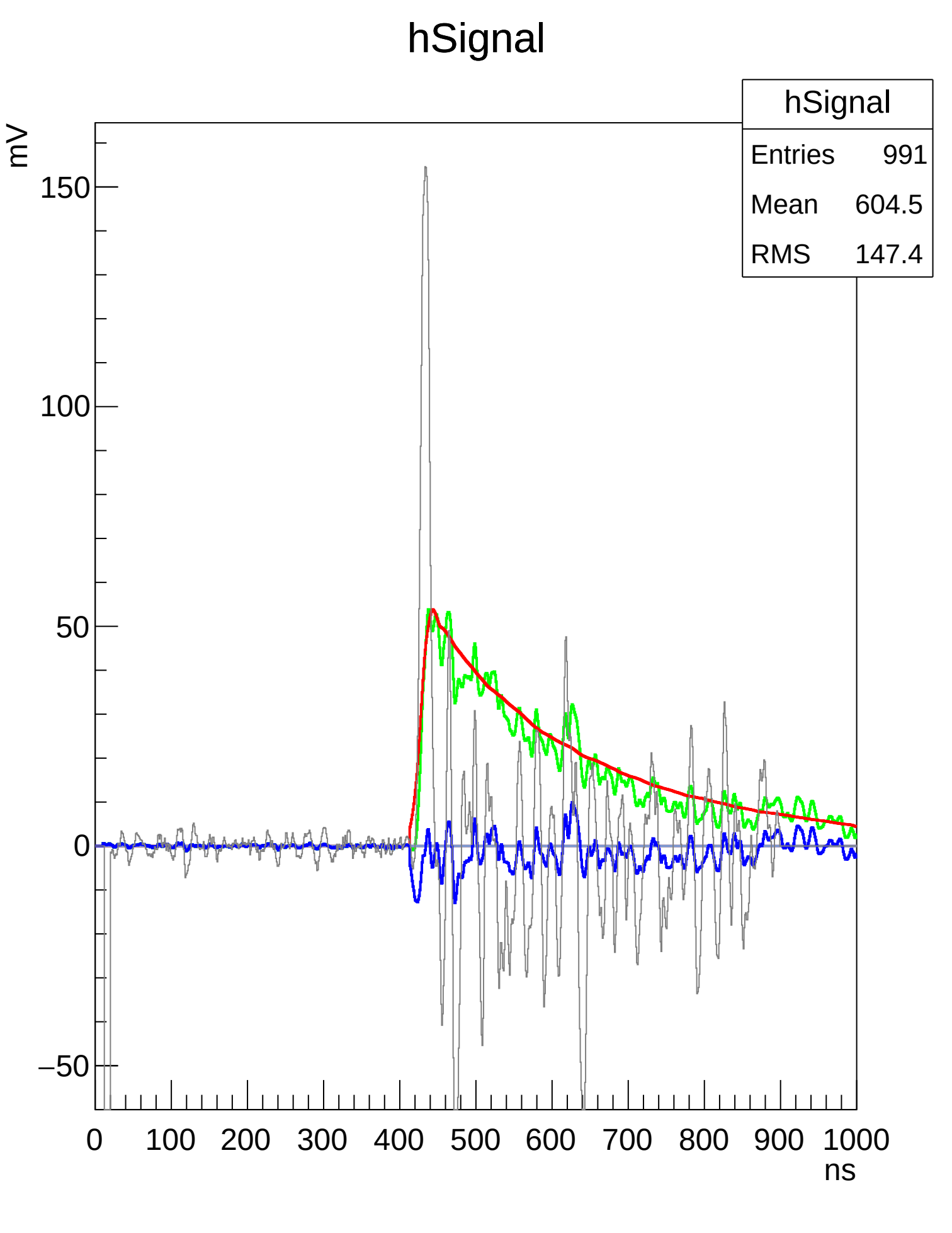

hSignal
hSignal
Entries 991
Mean 617.2
RMS 151.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.7
RMS 152.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.2
RMS 143.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.2
RMS 147.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 610.1
RMS 144.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.5
RMS 147.4
mV
150
100
50
0
−50
0
100
200
300
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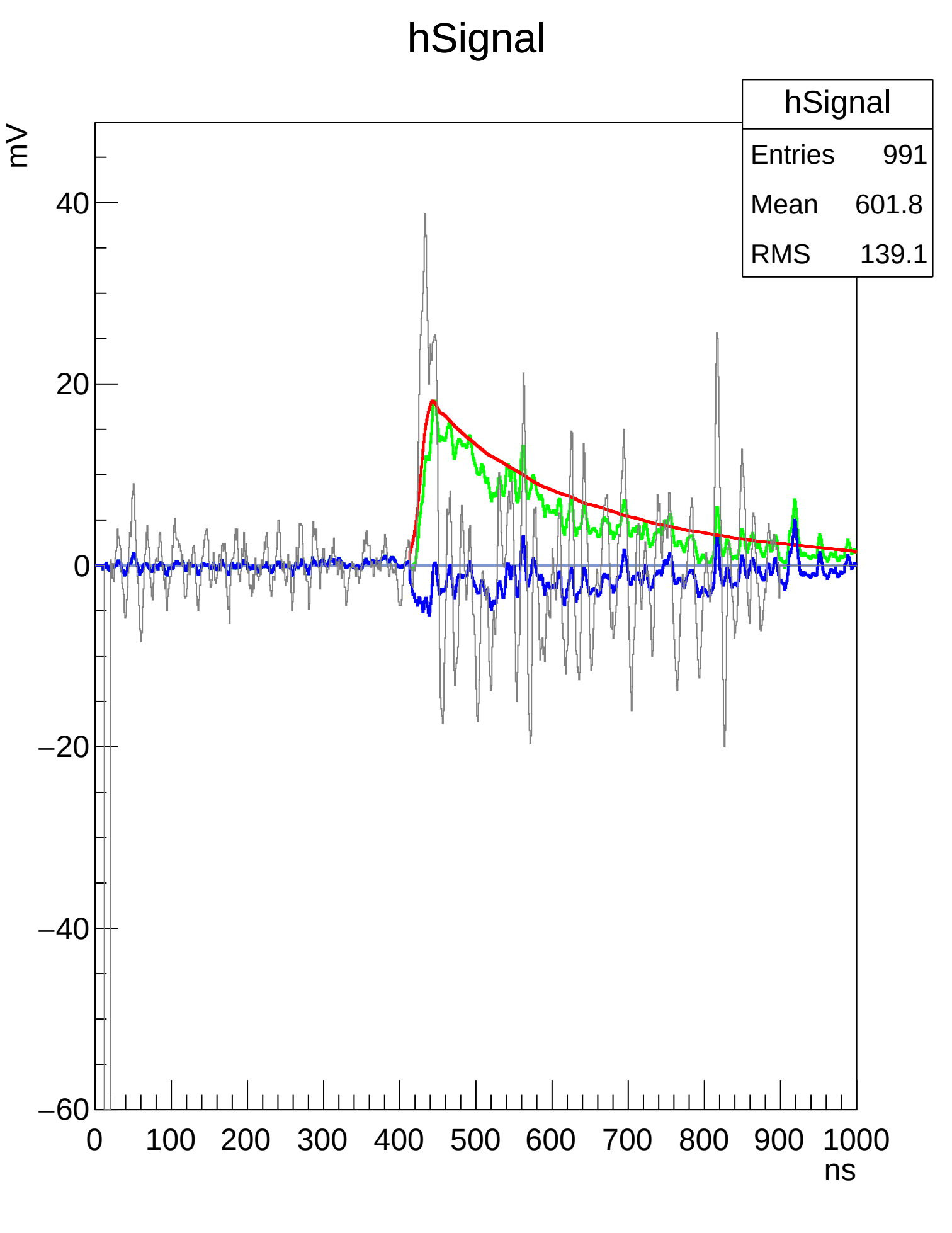
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.8
RMS 139.1
mV
40
20
0
−20
−40
−60
0
100
200
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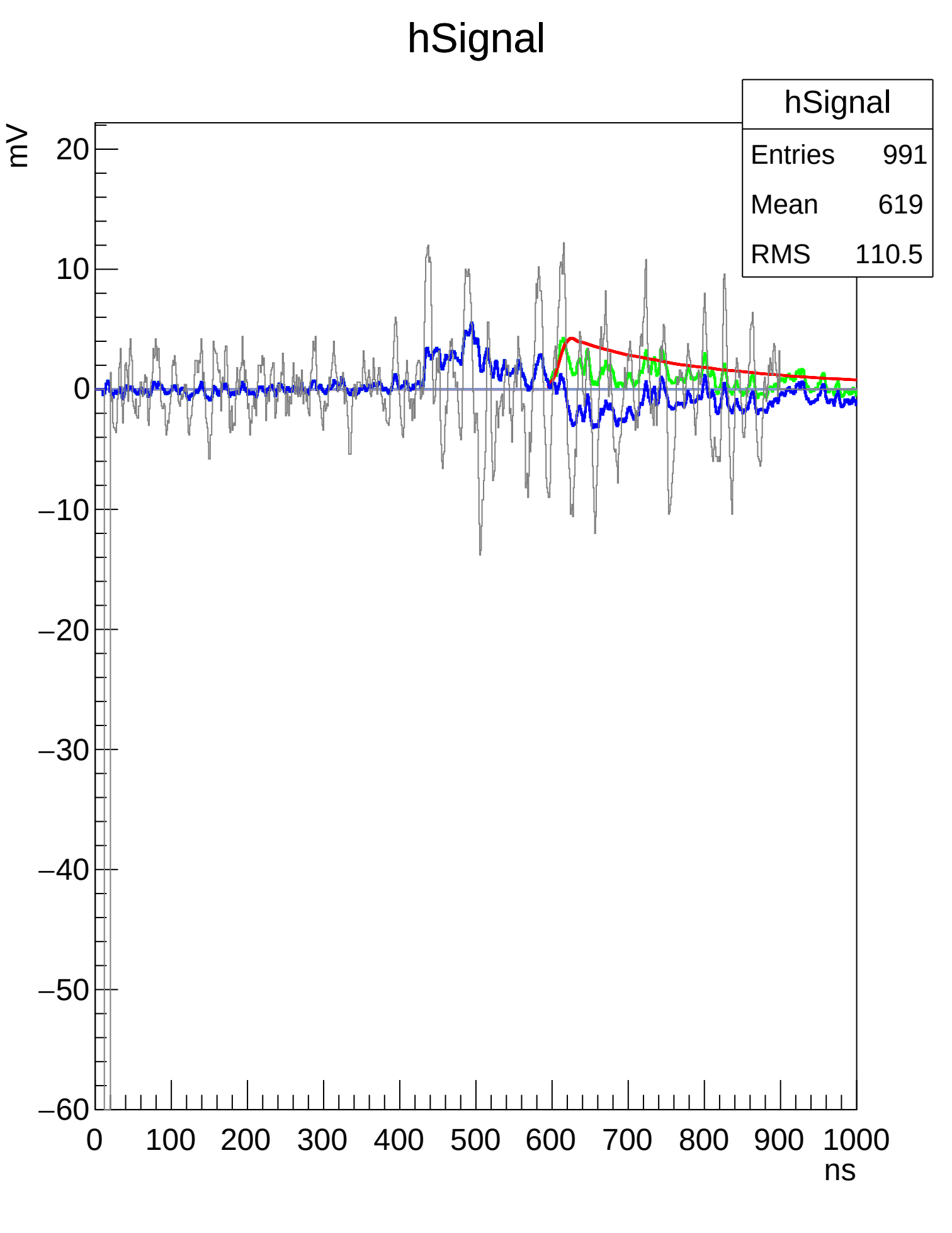
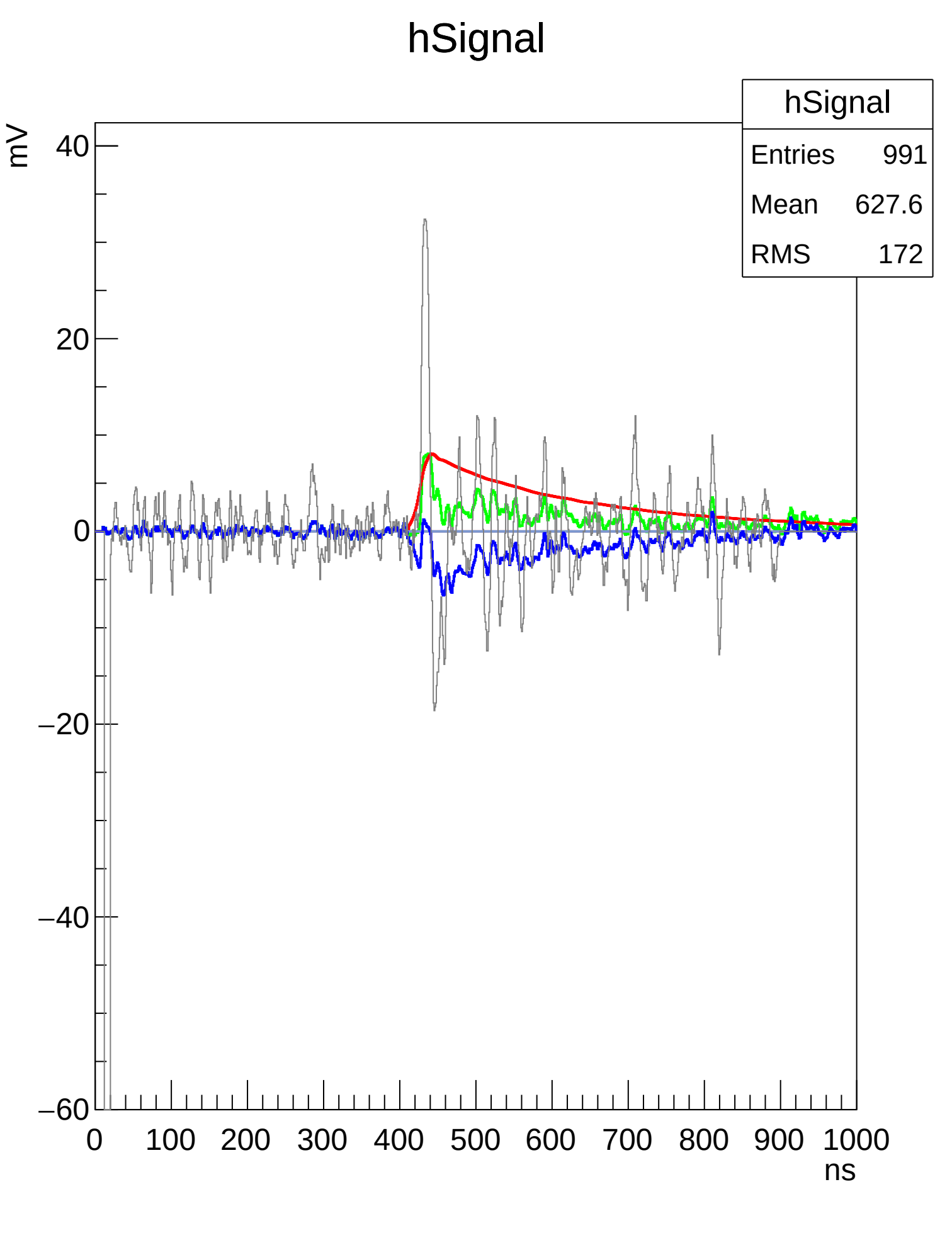
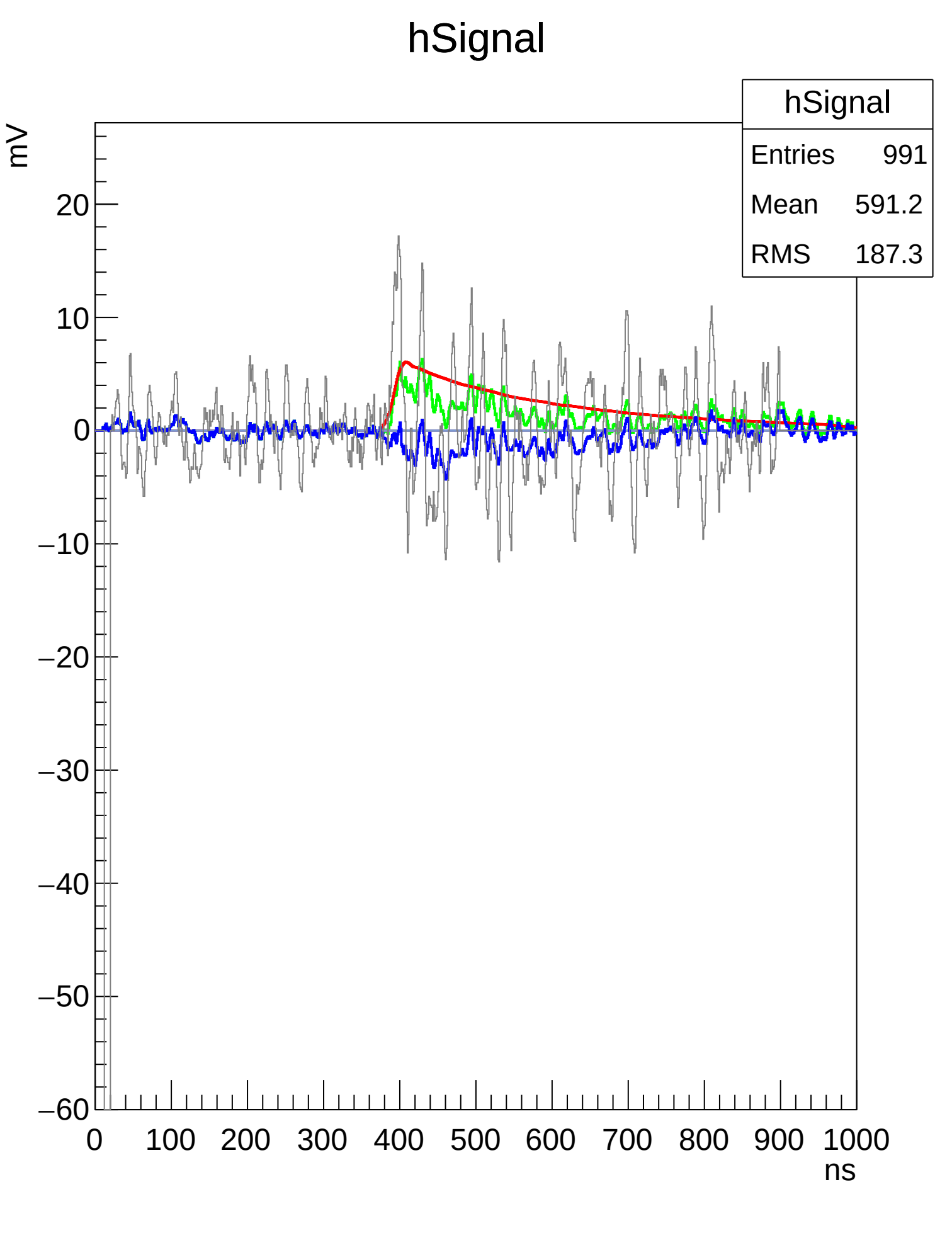
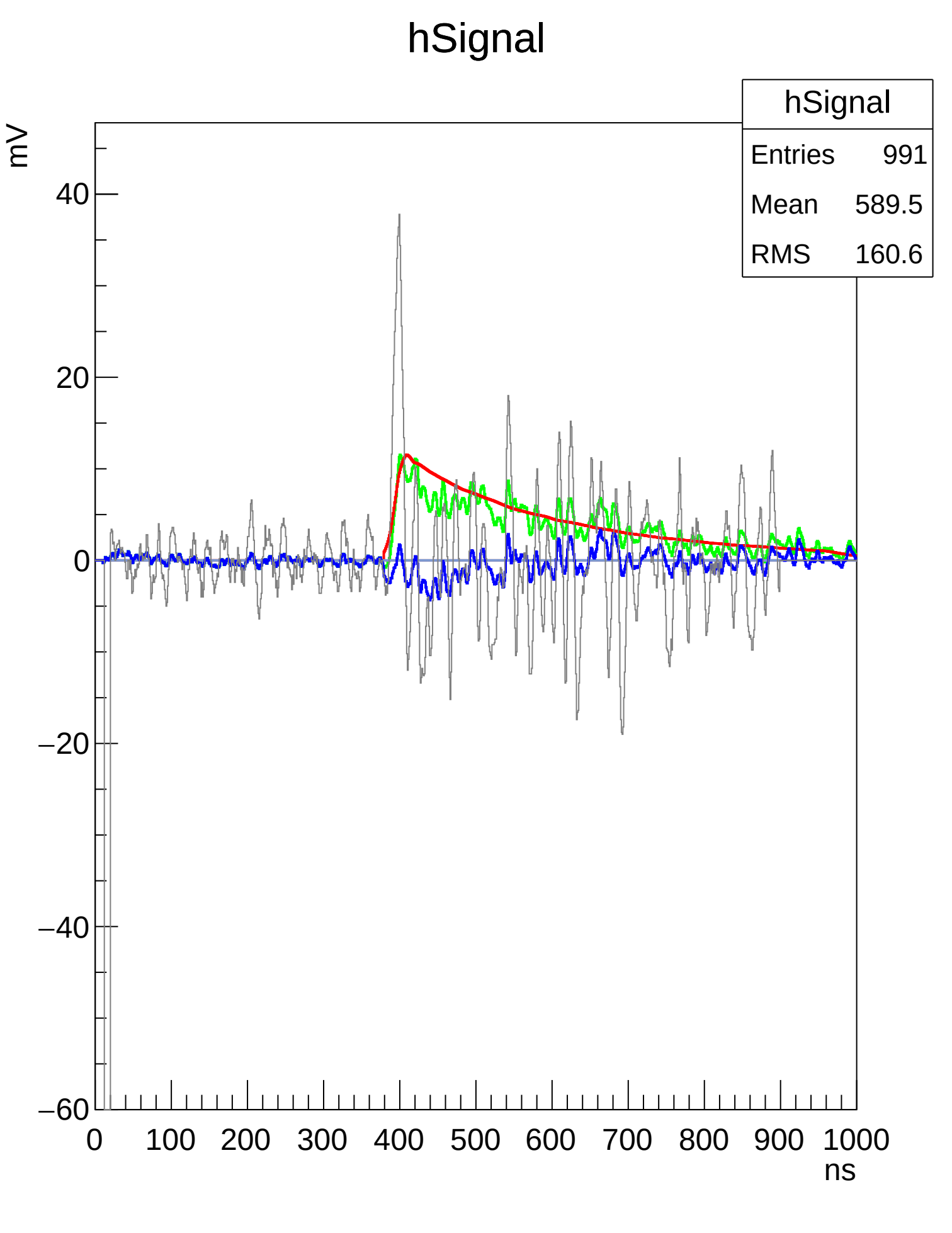
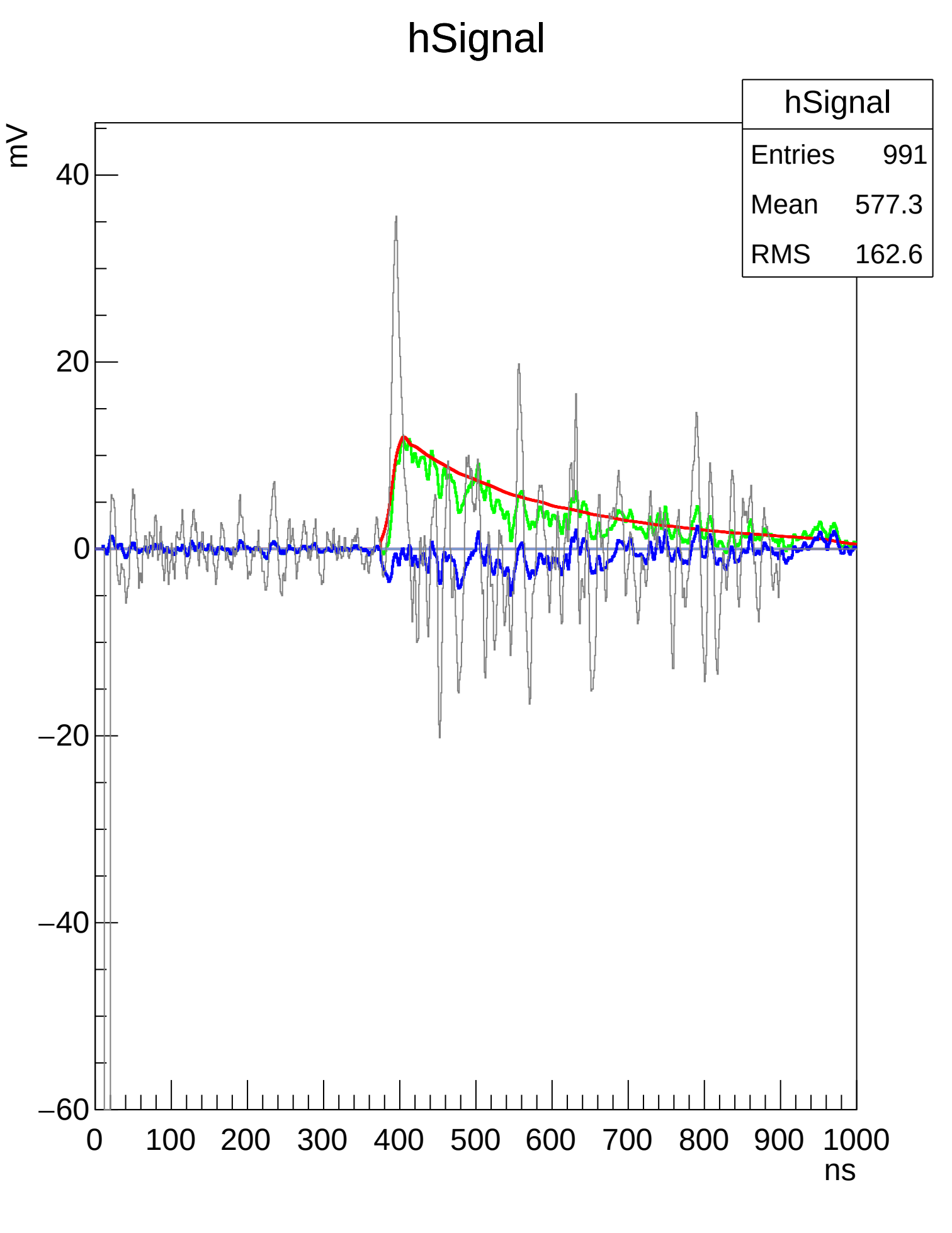
400
500
600
700
800
900
1000
ns

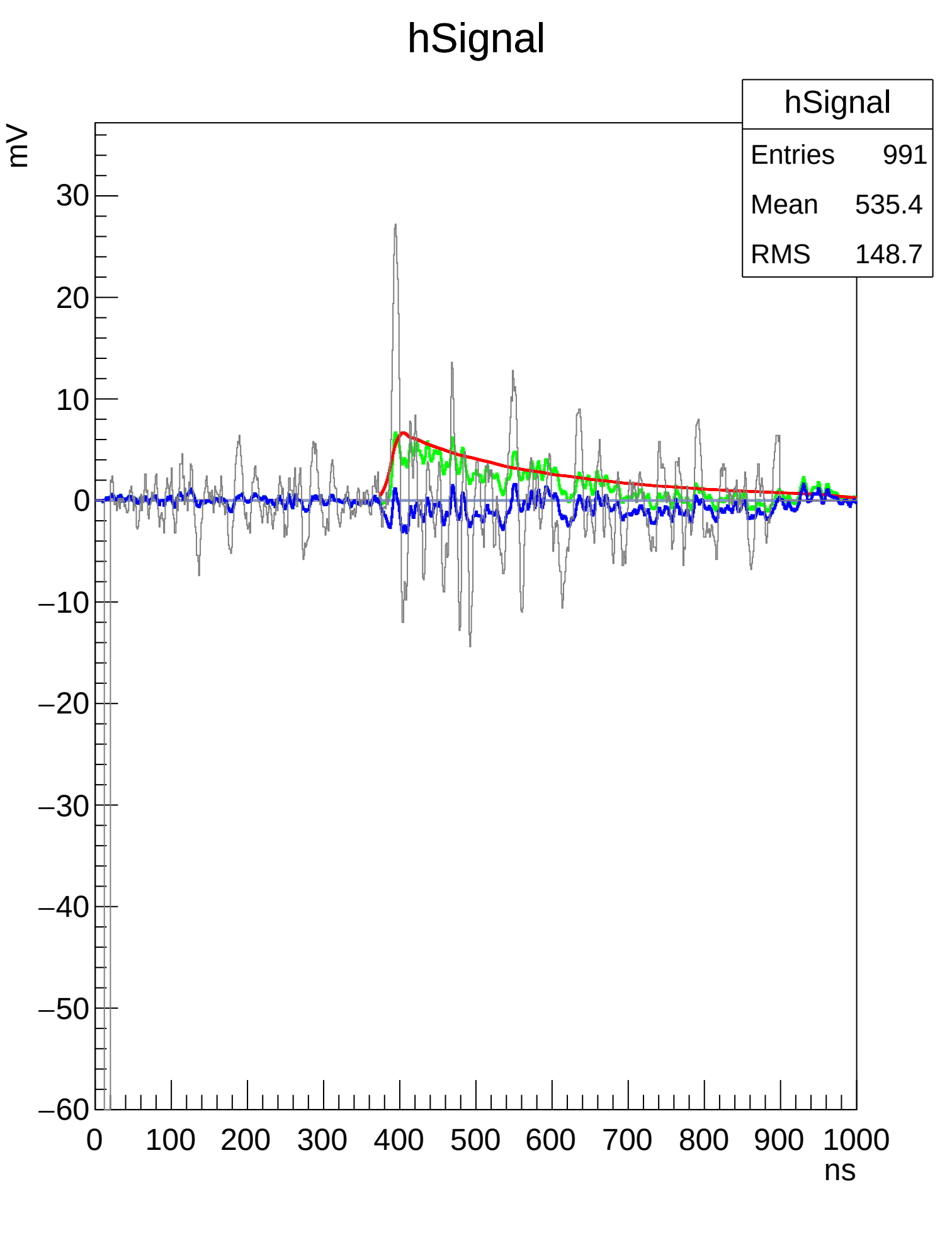

hSignal
hSignal
Entries 991
Mean 619
RMS 110.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

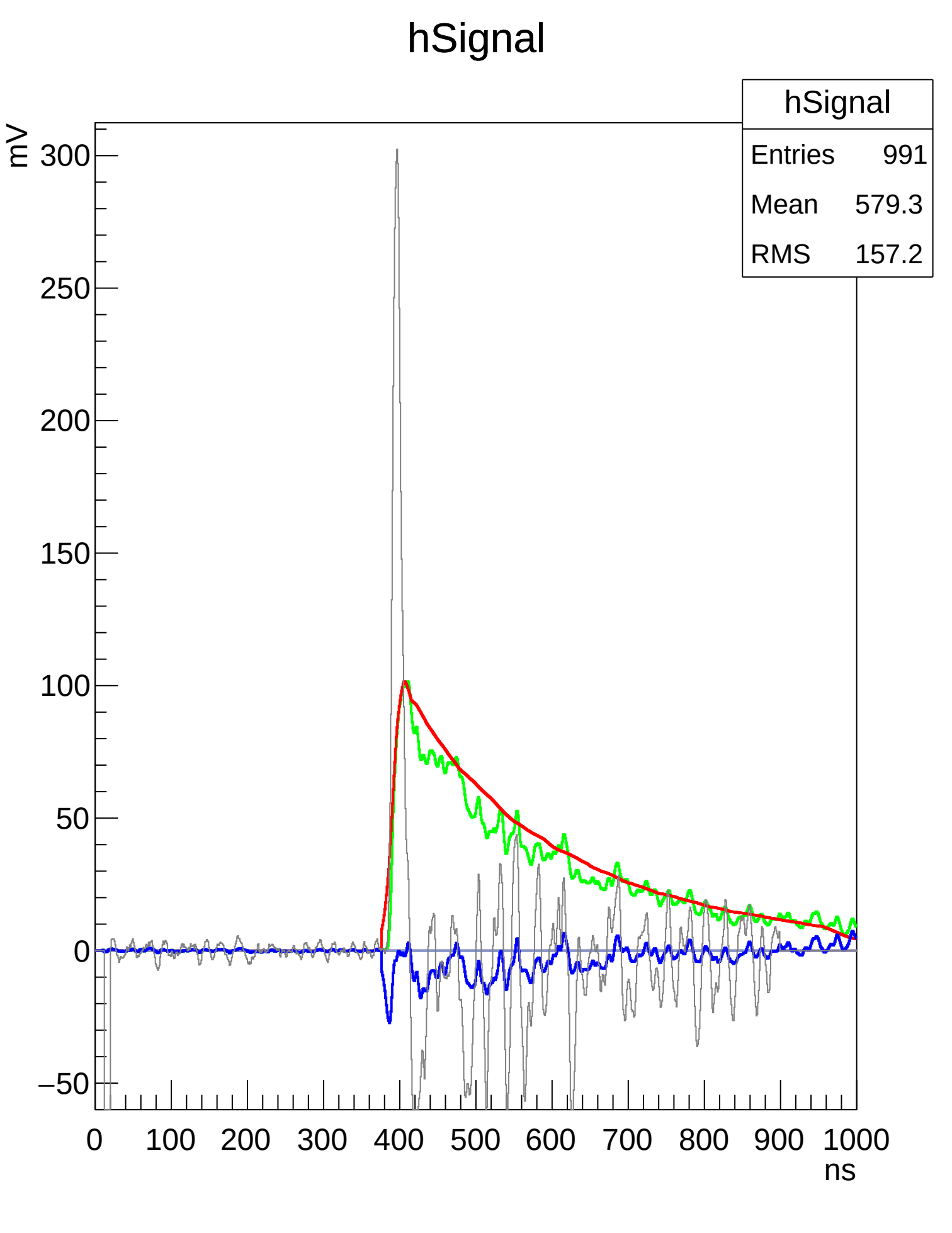

hSignal
hSignal
Entries 991
Mean 627.6
RMS 172
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

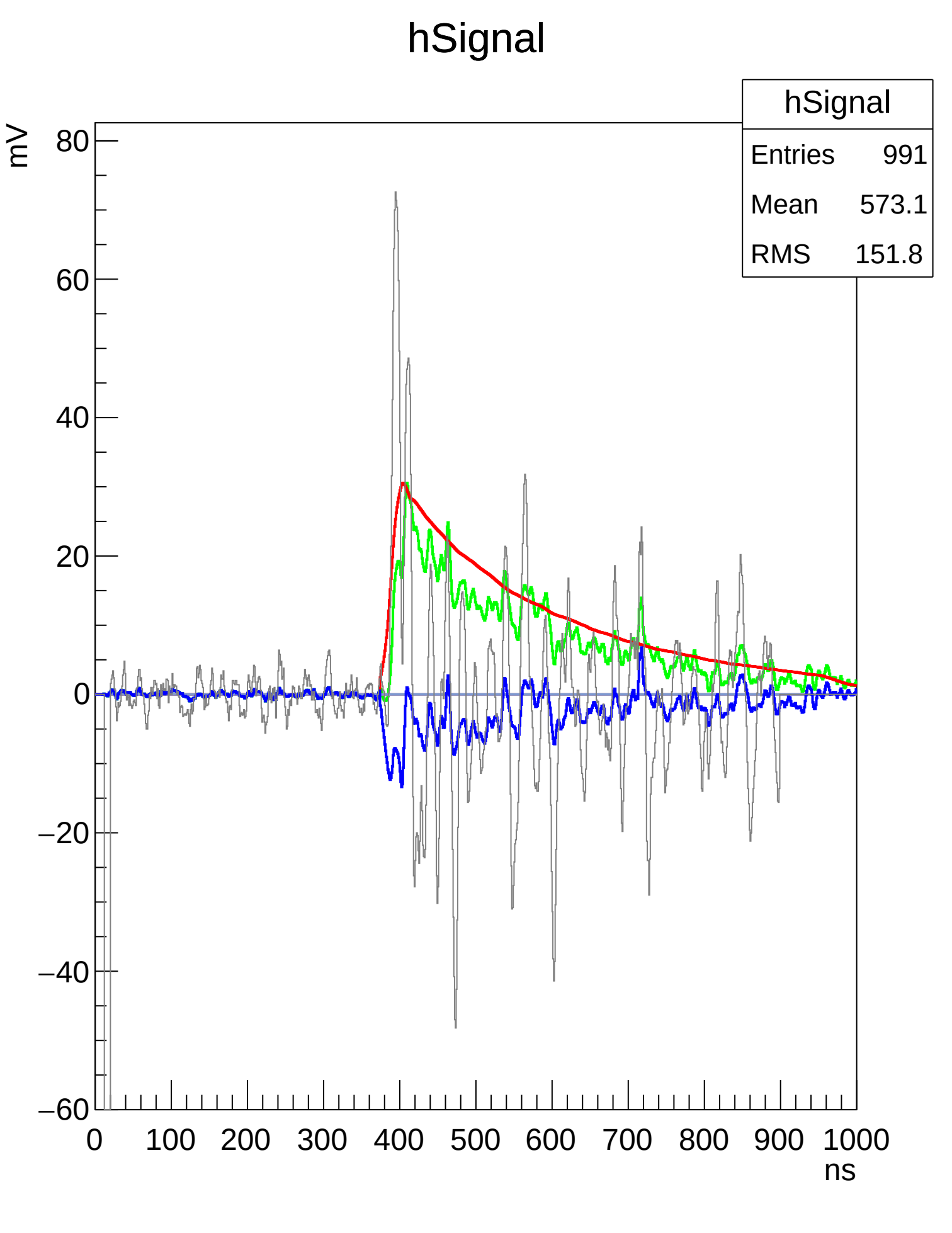

hSignal
hSignal
Entries 991
Mean 591.2
RMS 187.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

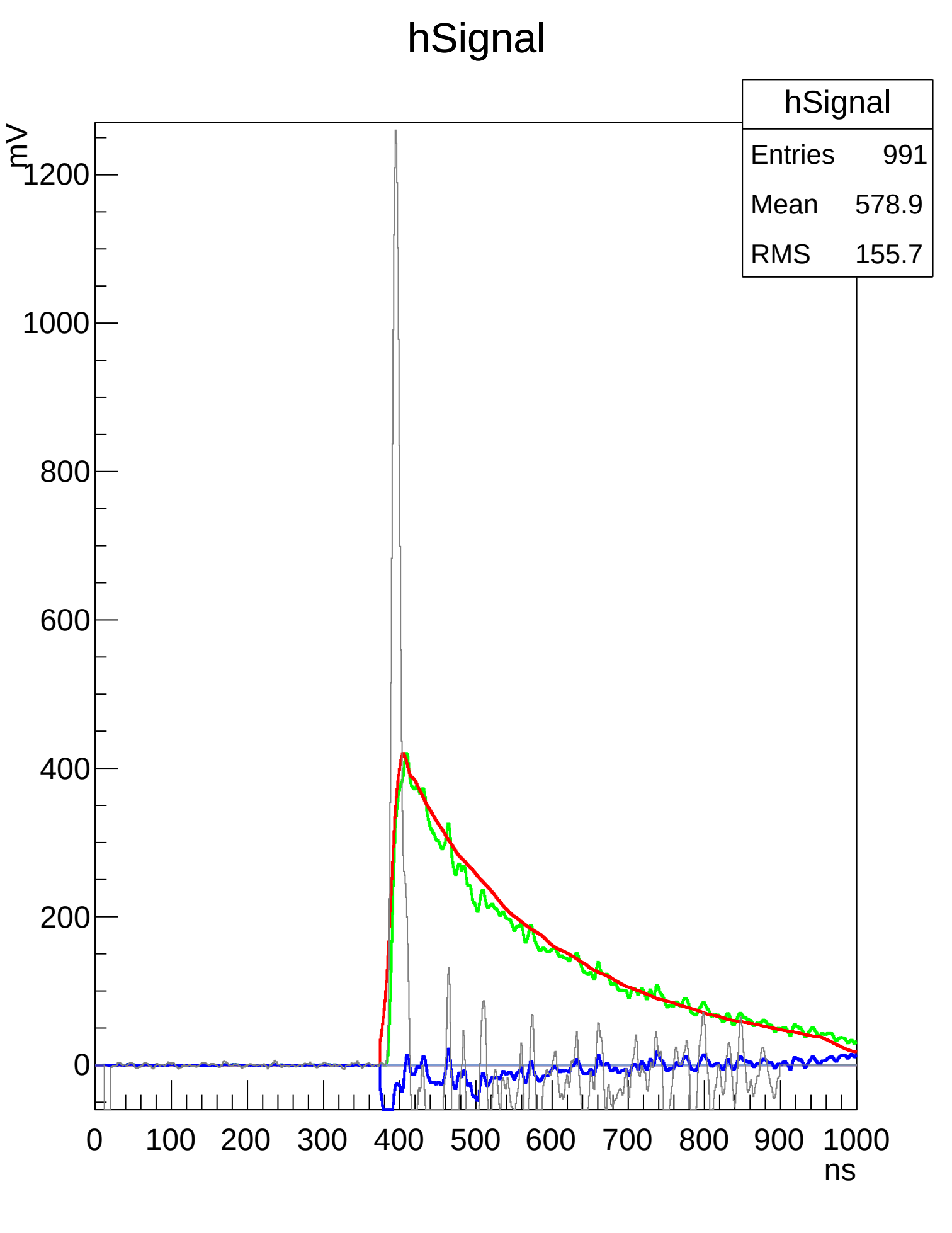

hSignal
hSignal
Entries 991
Mean 589.5
RMS 160.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

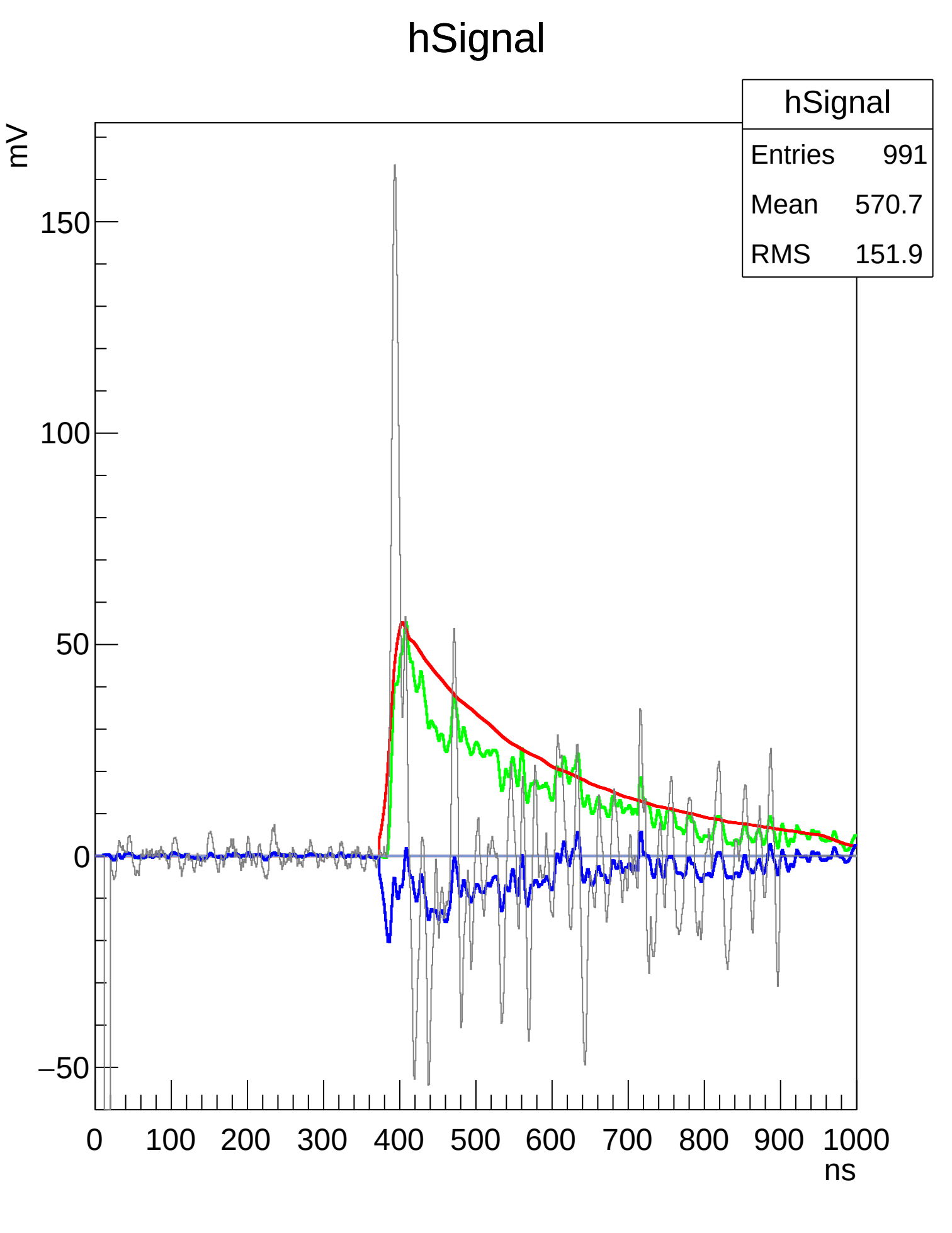

hSignal
hSignal
Entries 991
Mean 577.3
RMS 162.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

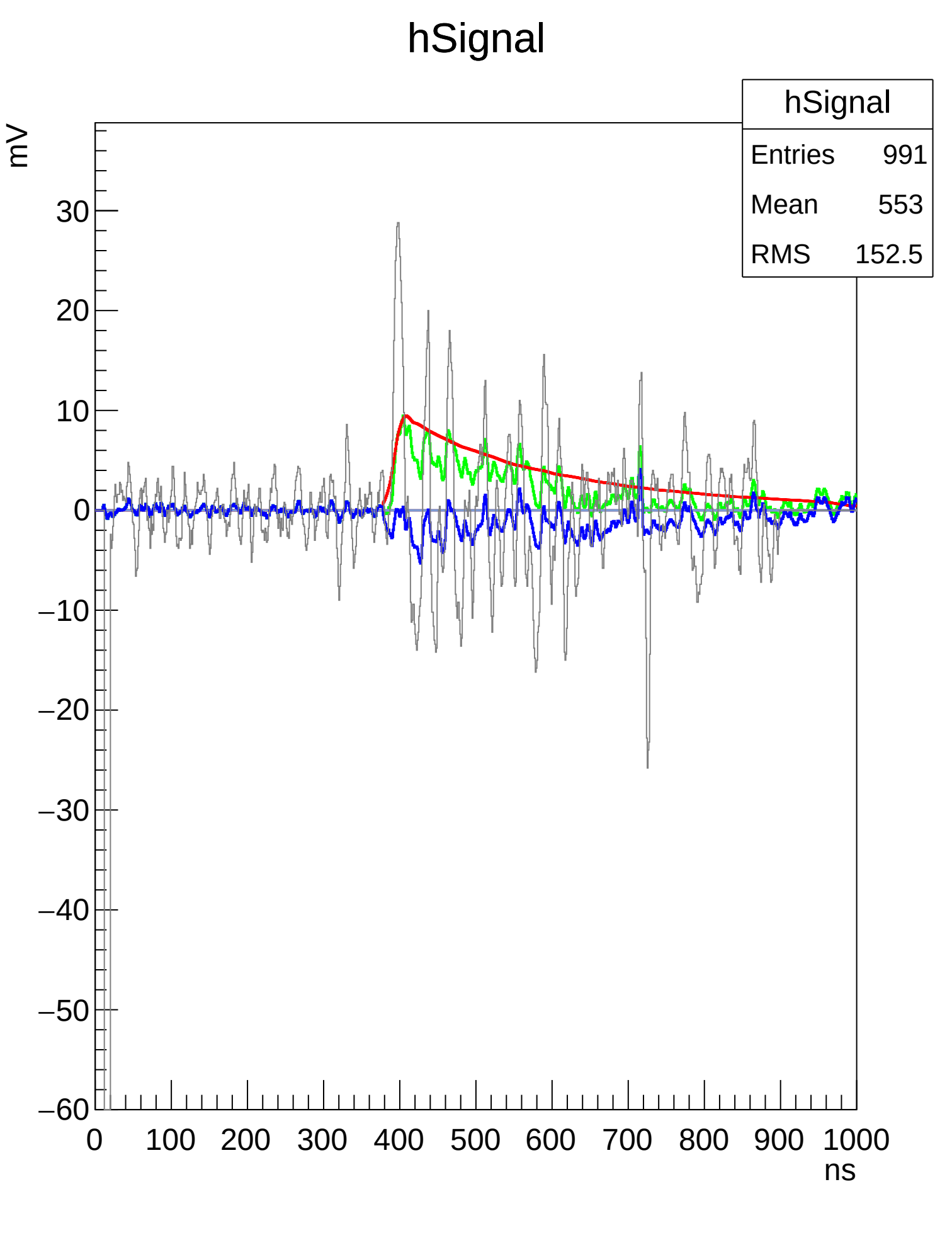

hSignal
hSignal
Entries 991
Mean 535.4
RMS 148.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

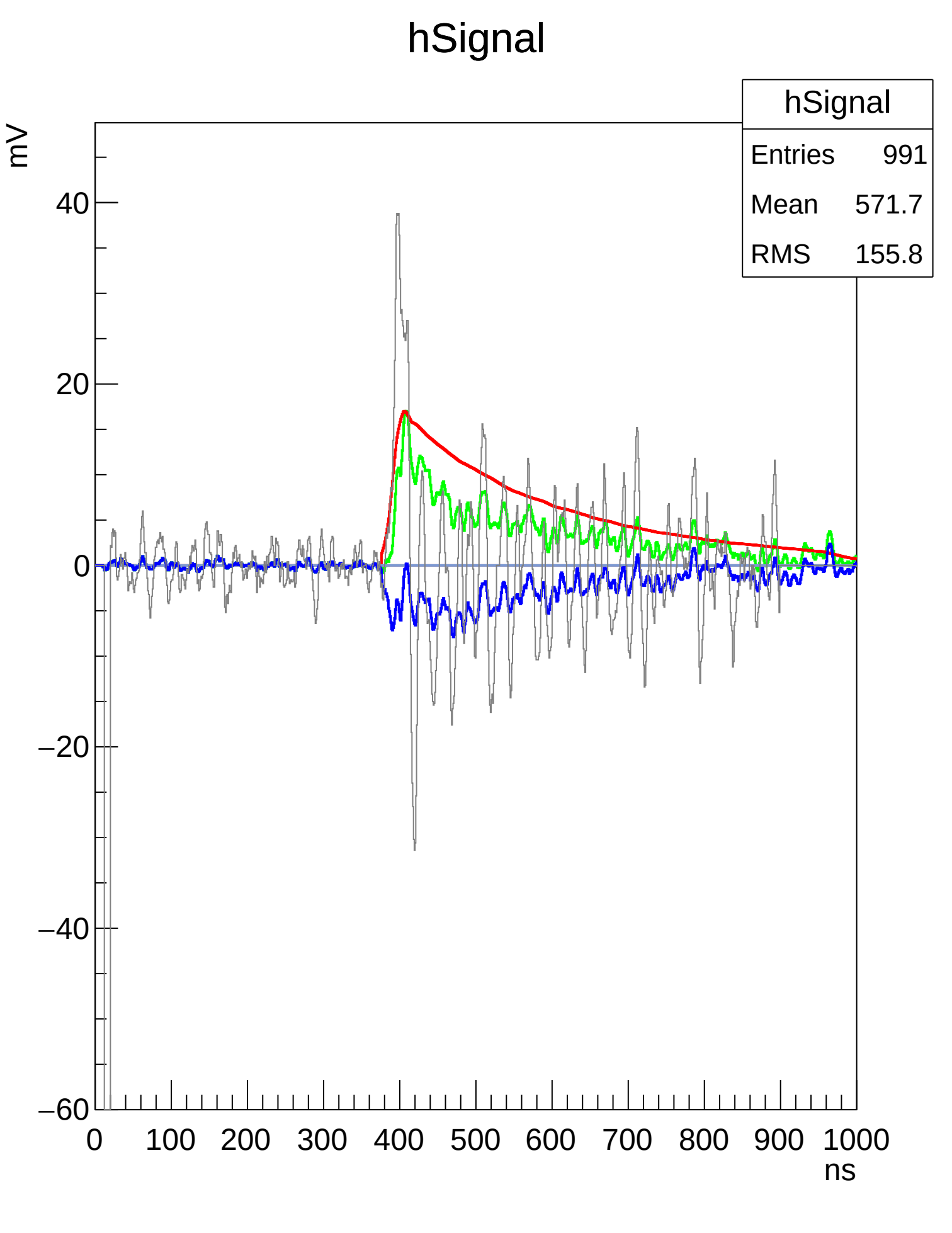

hSignal
hSignal
Entries 991
Mean 579.3
RMS 157.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.1
RMS 151.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.9
RMS 155.7
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.7
RMS 151.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553
RMS 152.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.7
RMS 155.8
mV
40
20
0
−20
−40
−60
0
100
200
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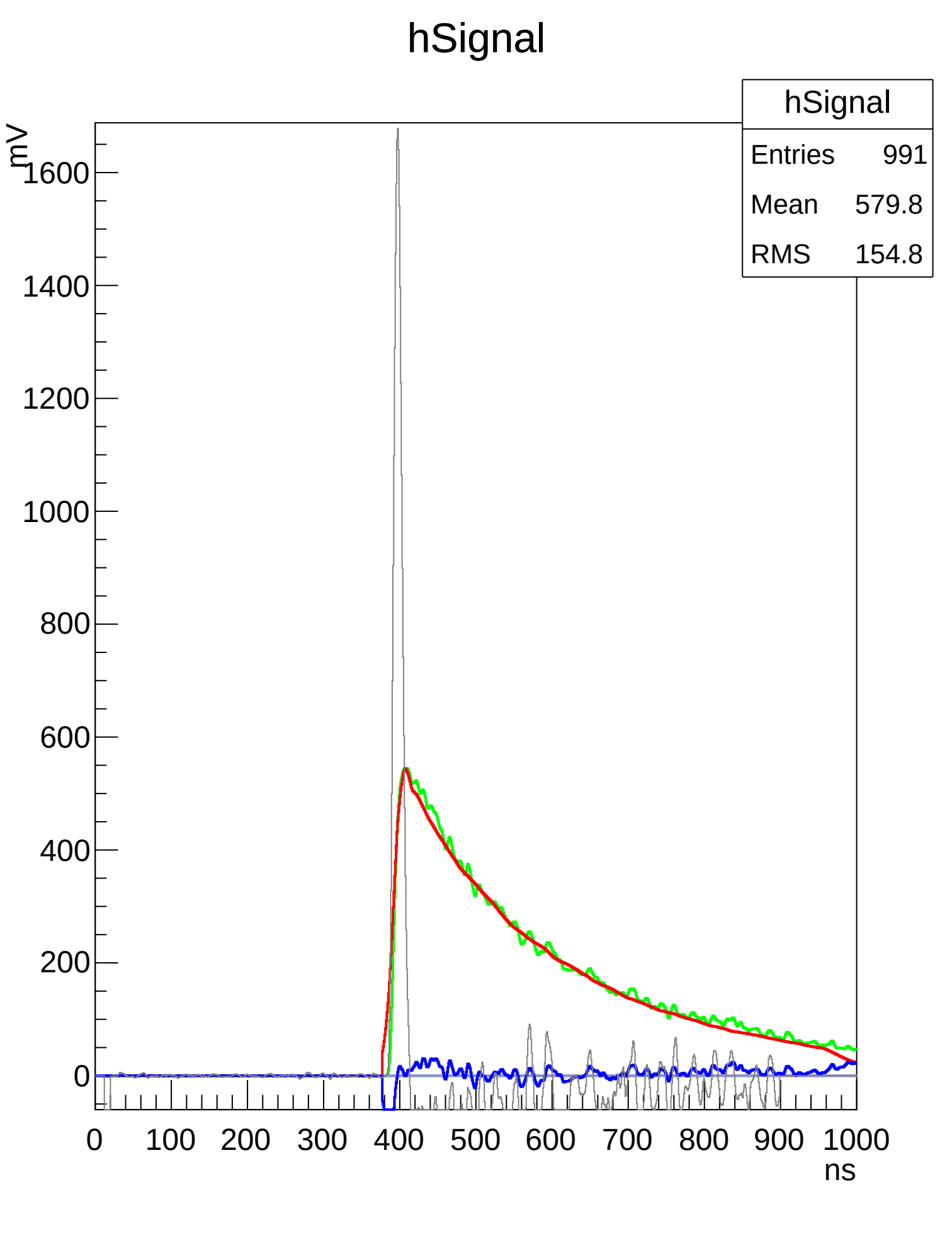
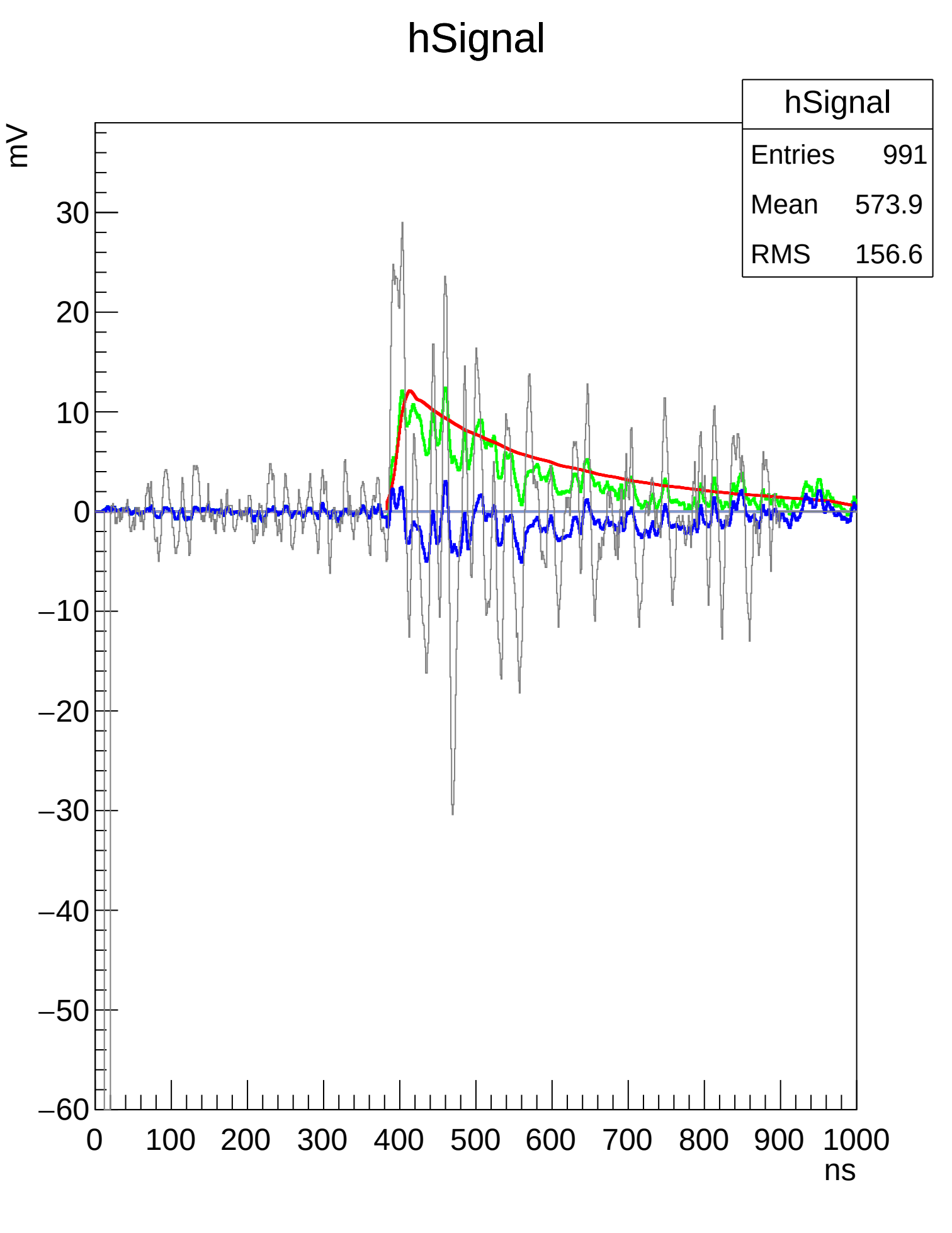
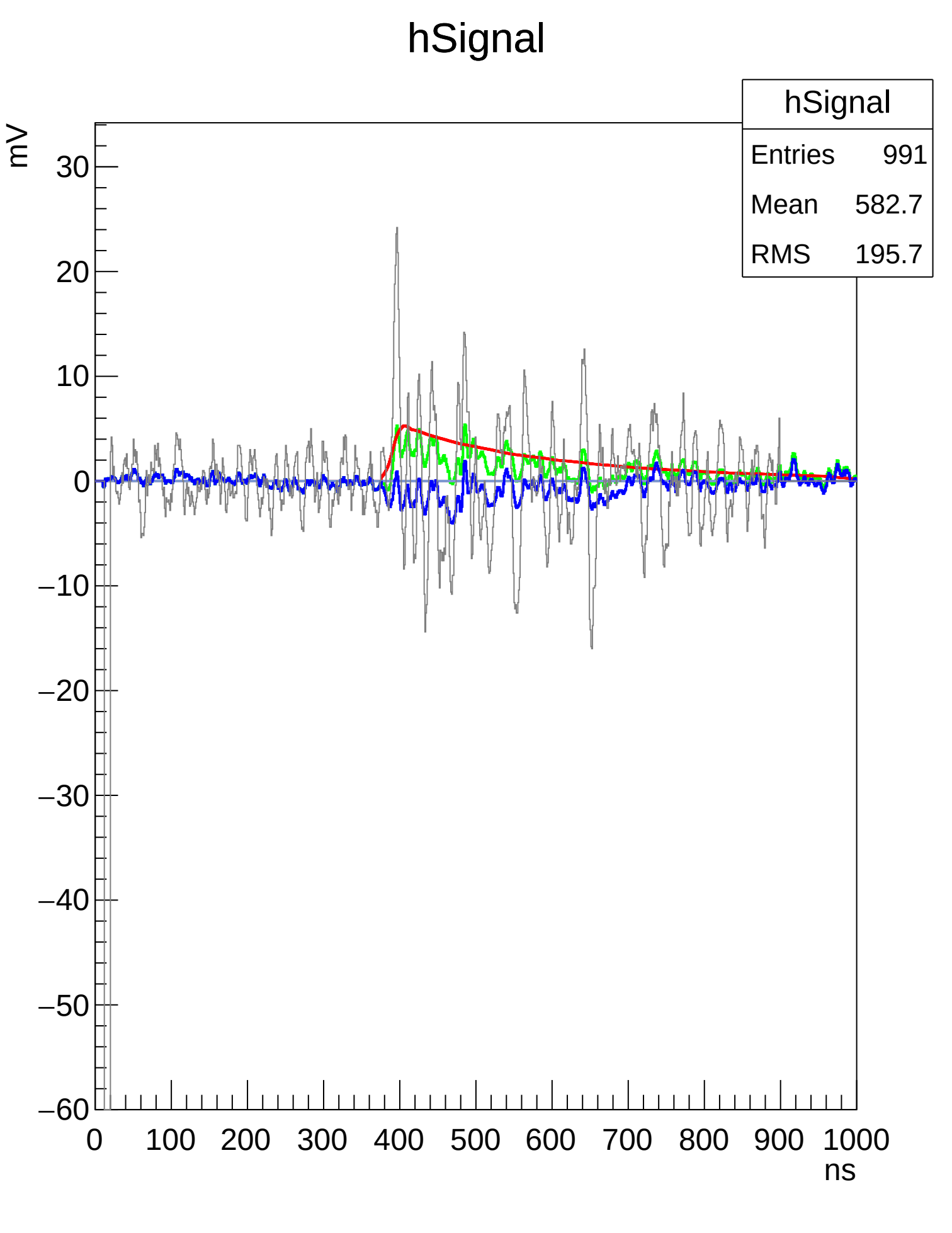
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.8
RMS 154.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.9
RMS 156.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.7
RMS 195.7
mV
30
20
10
0
−10
−20
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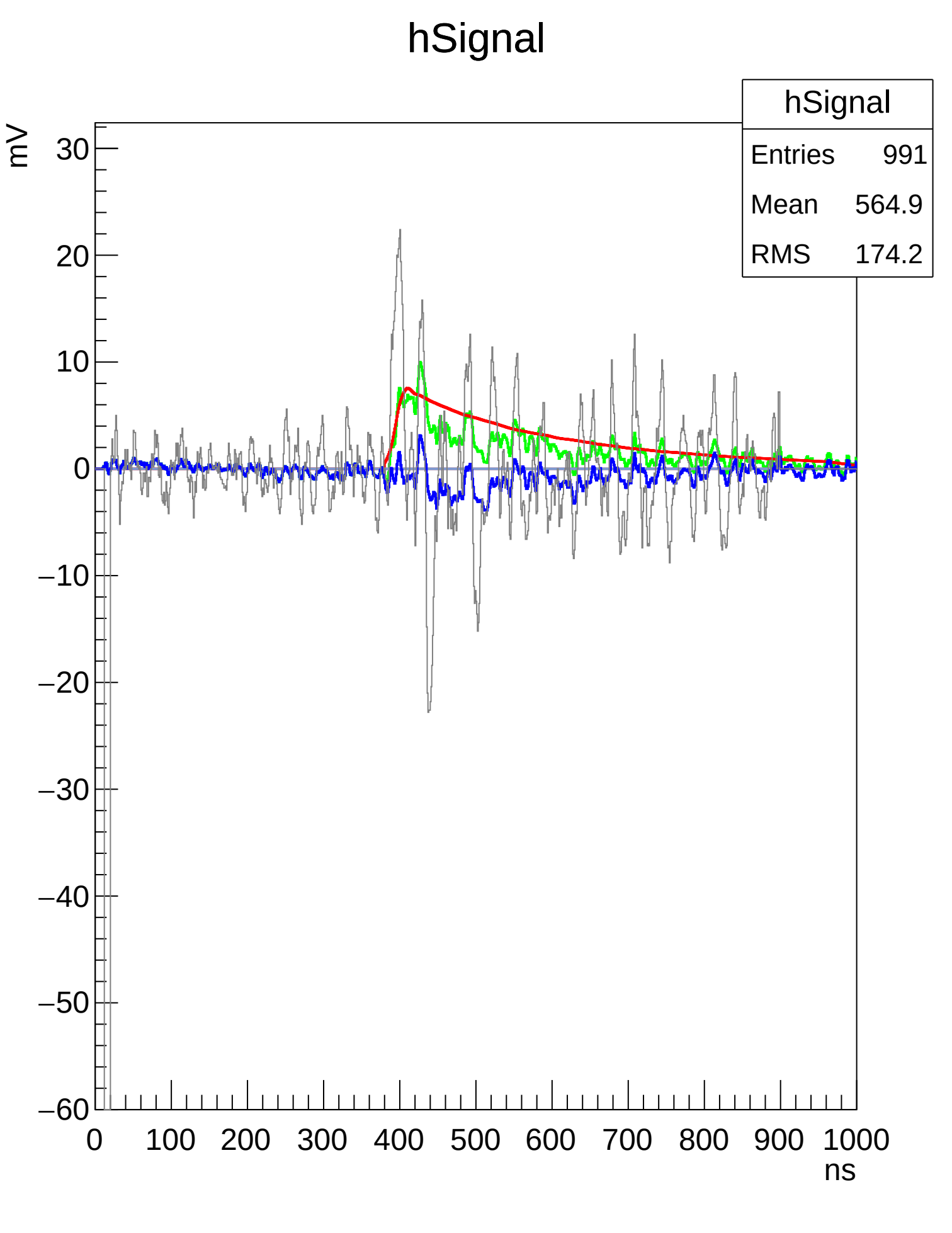
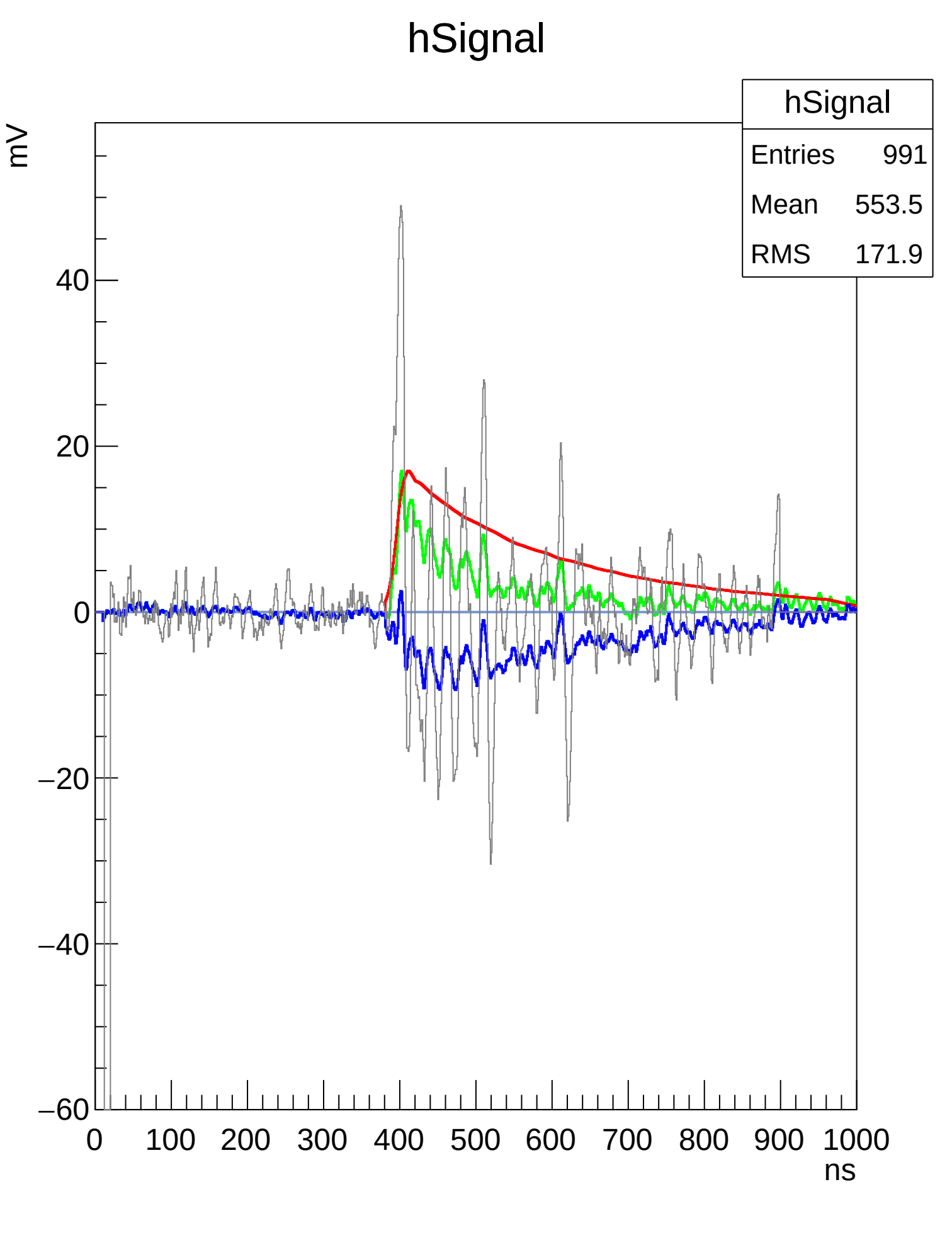
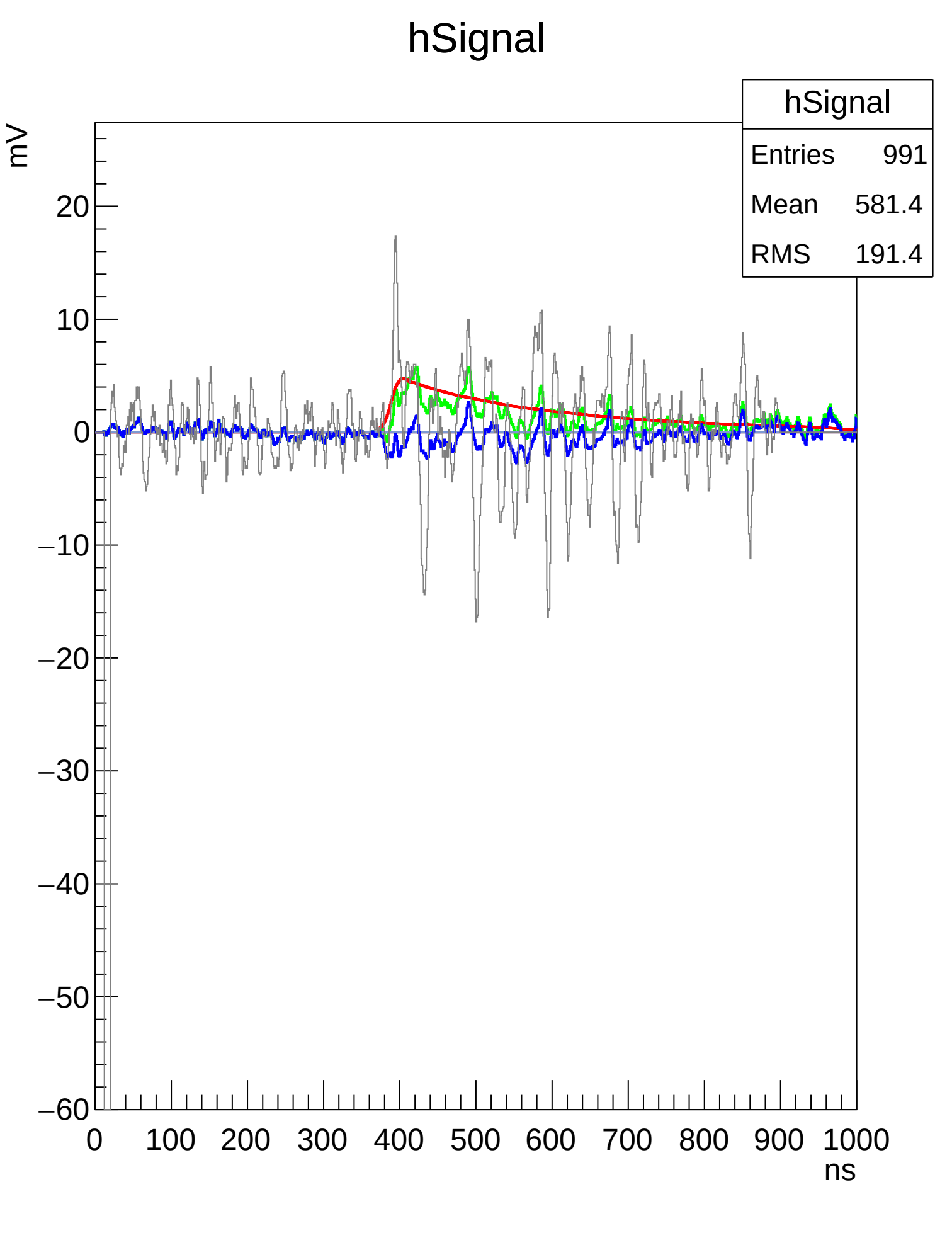
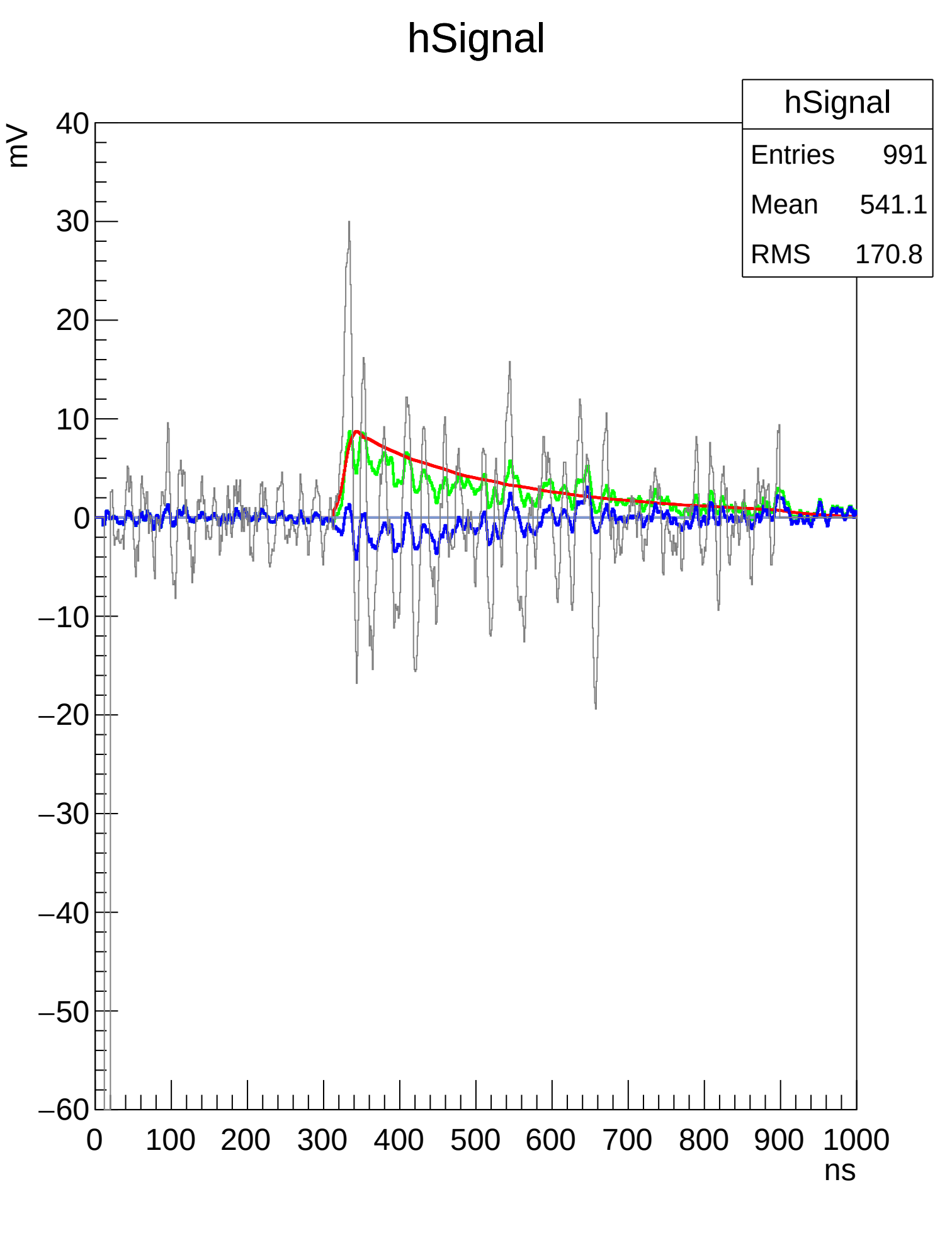
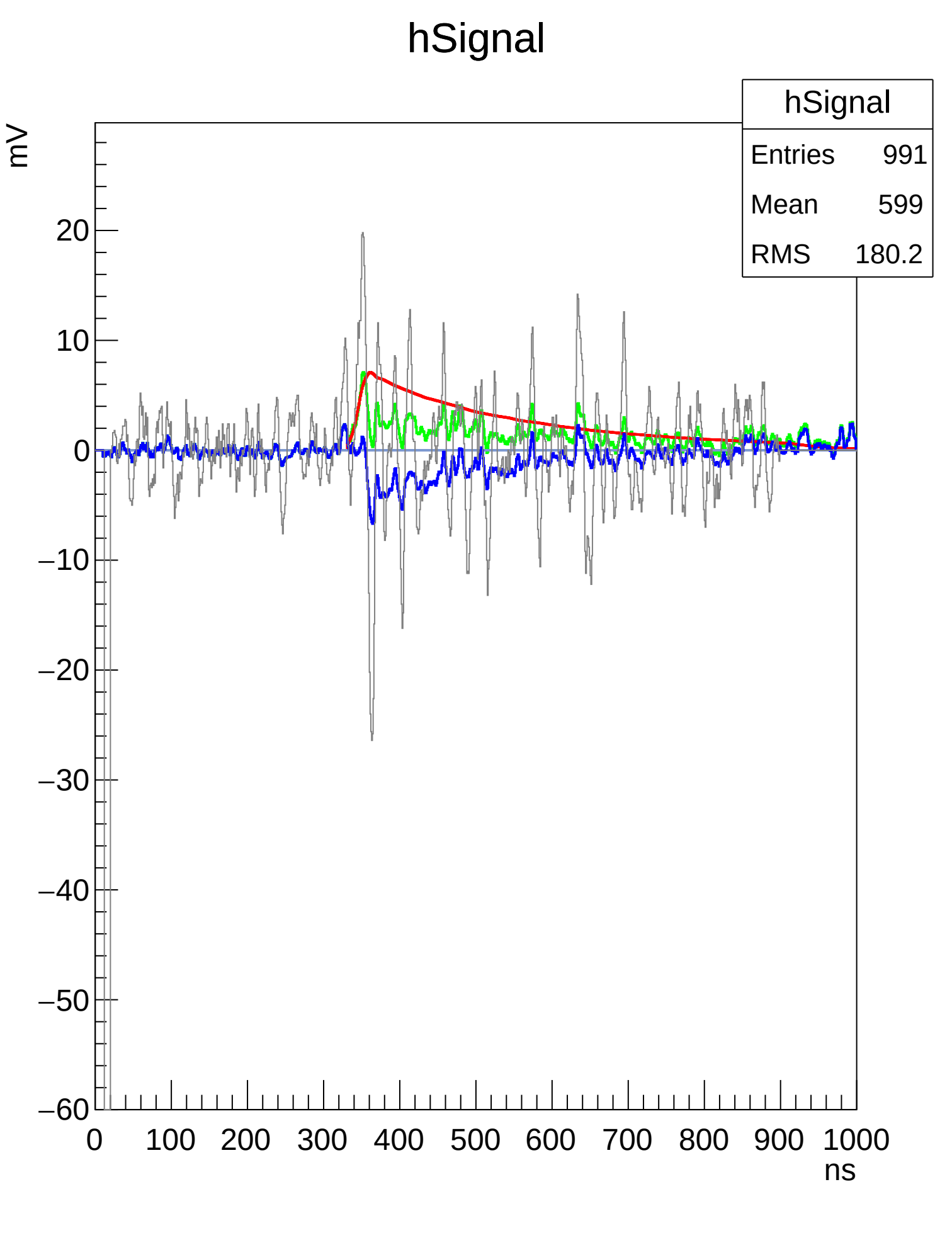
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

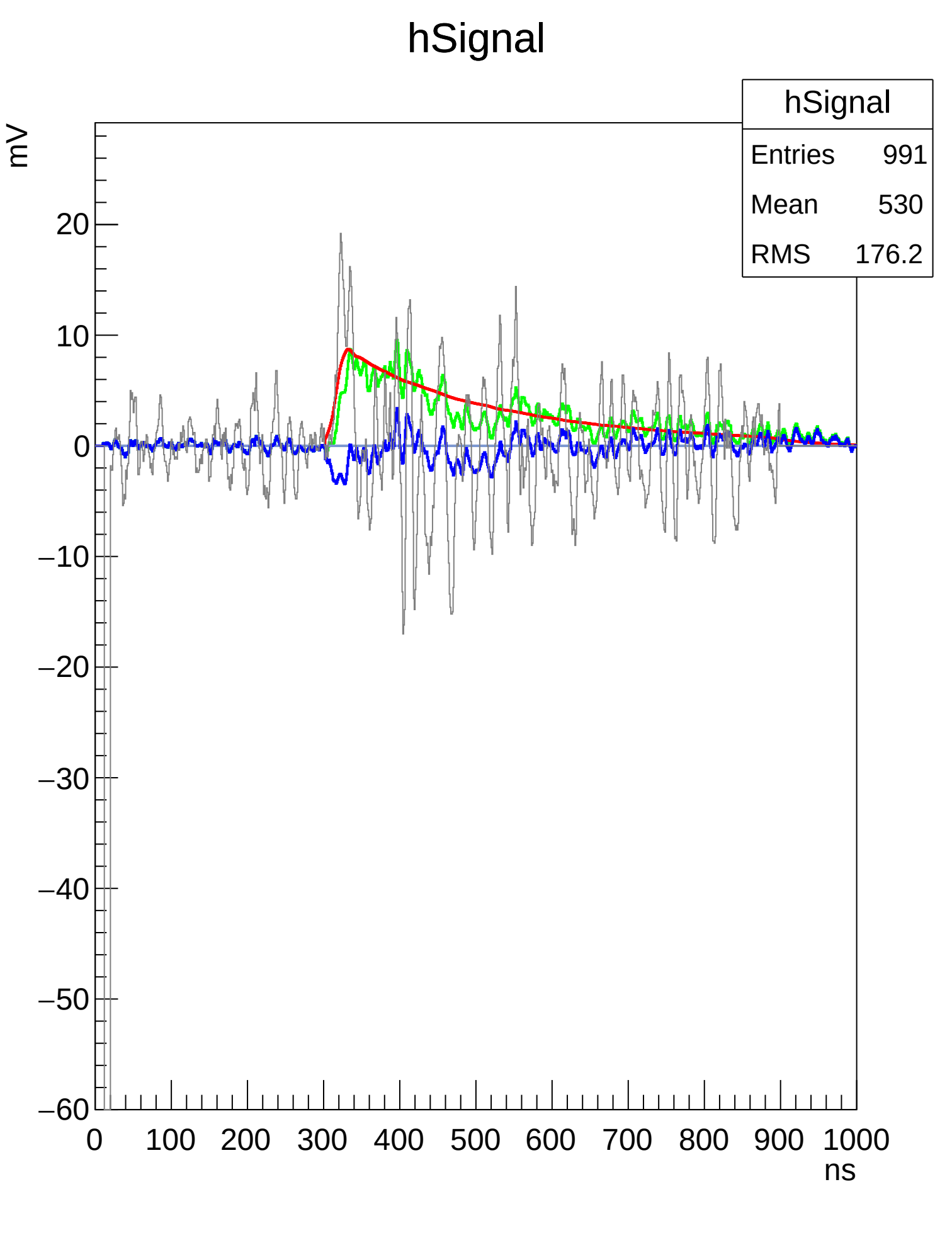

hSignal
hSignal
Entries 991
Mean 564.9
RMS 174.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.5
RMS 171.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.4
RMS 191.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.1
RMS 170.8
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599
RMS 180.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530
RMS 176.2
mV
20
10
0
−10
−20
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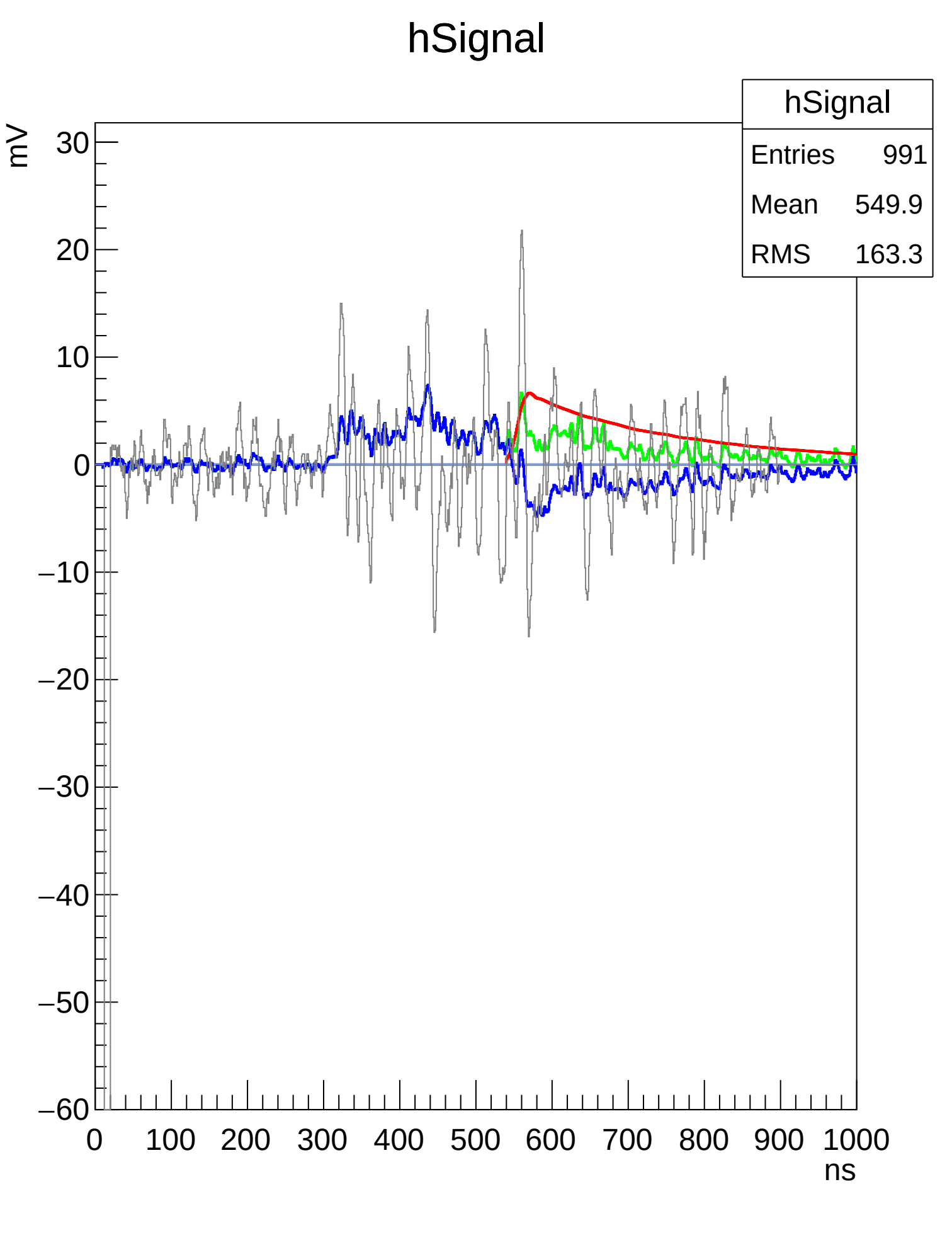
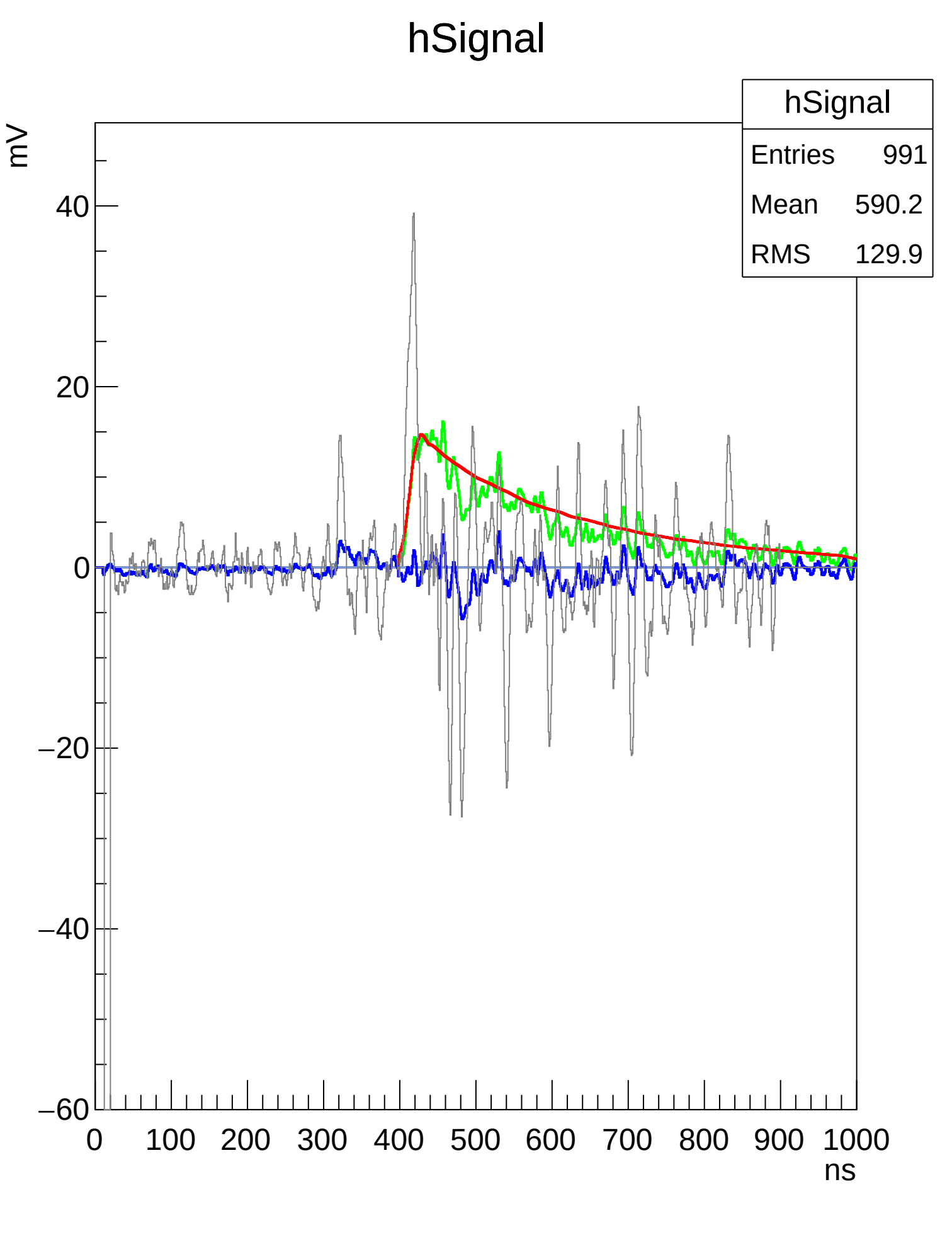
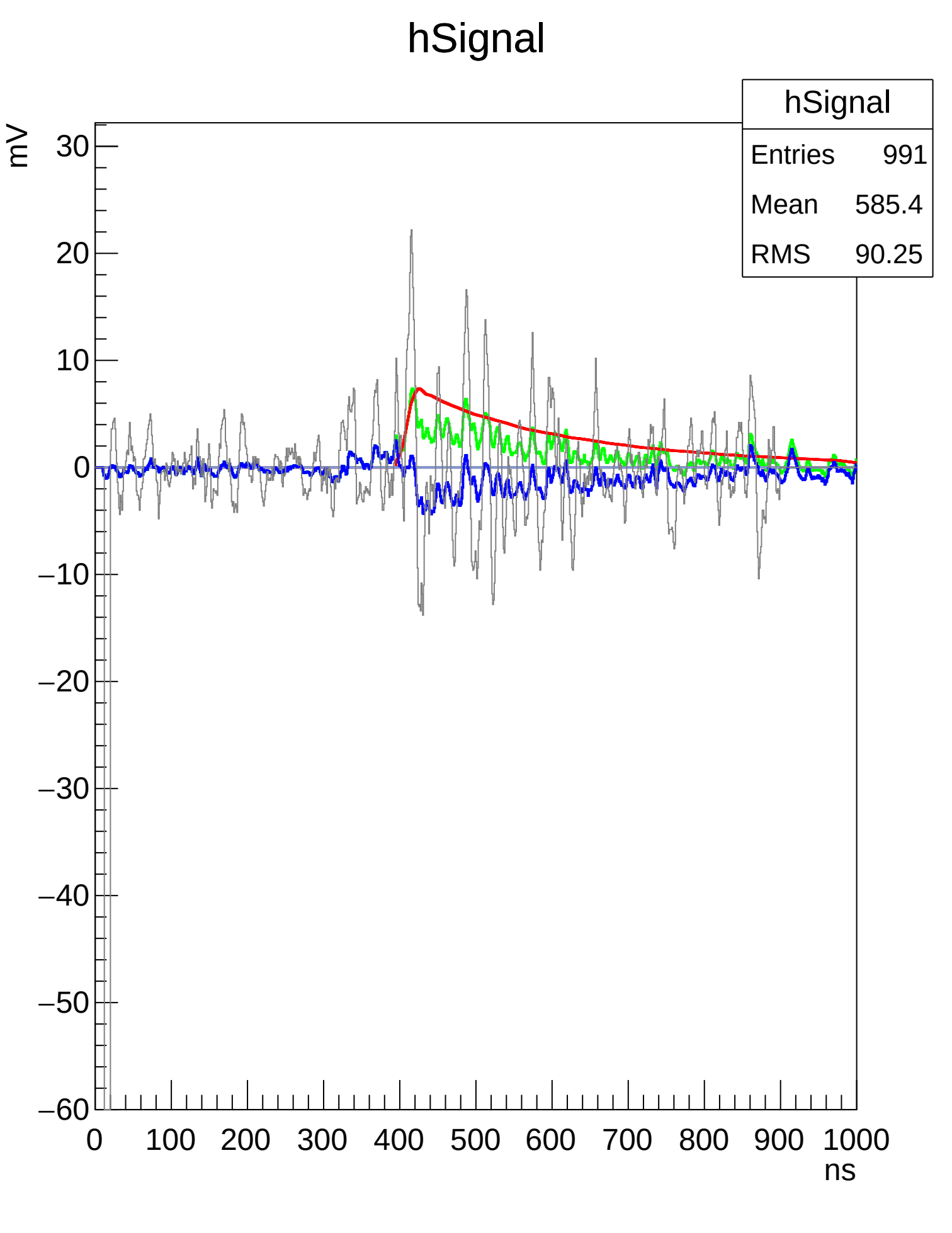
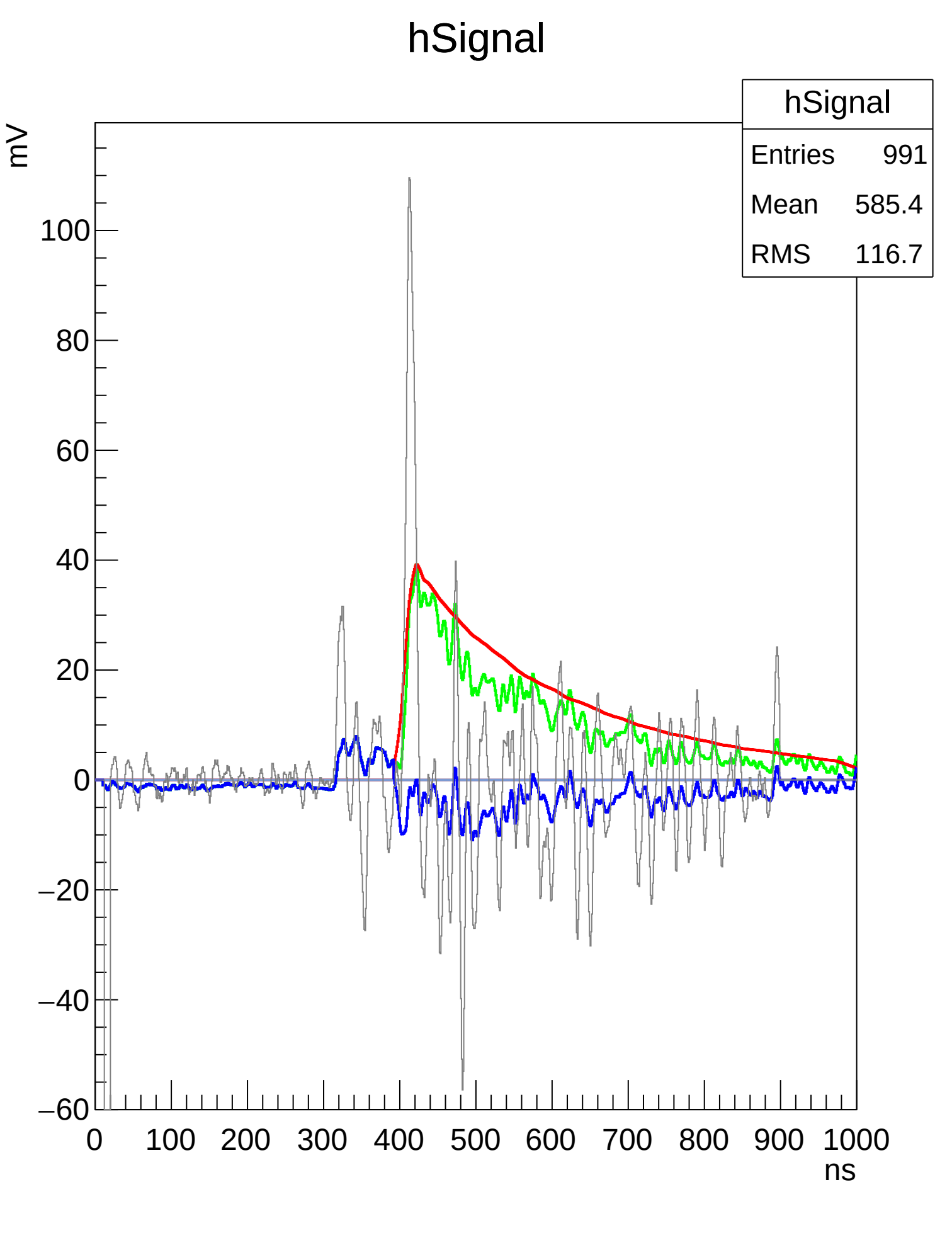
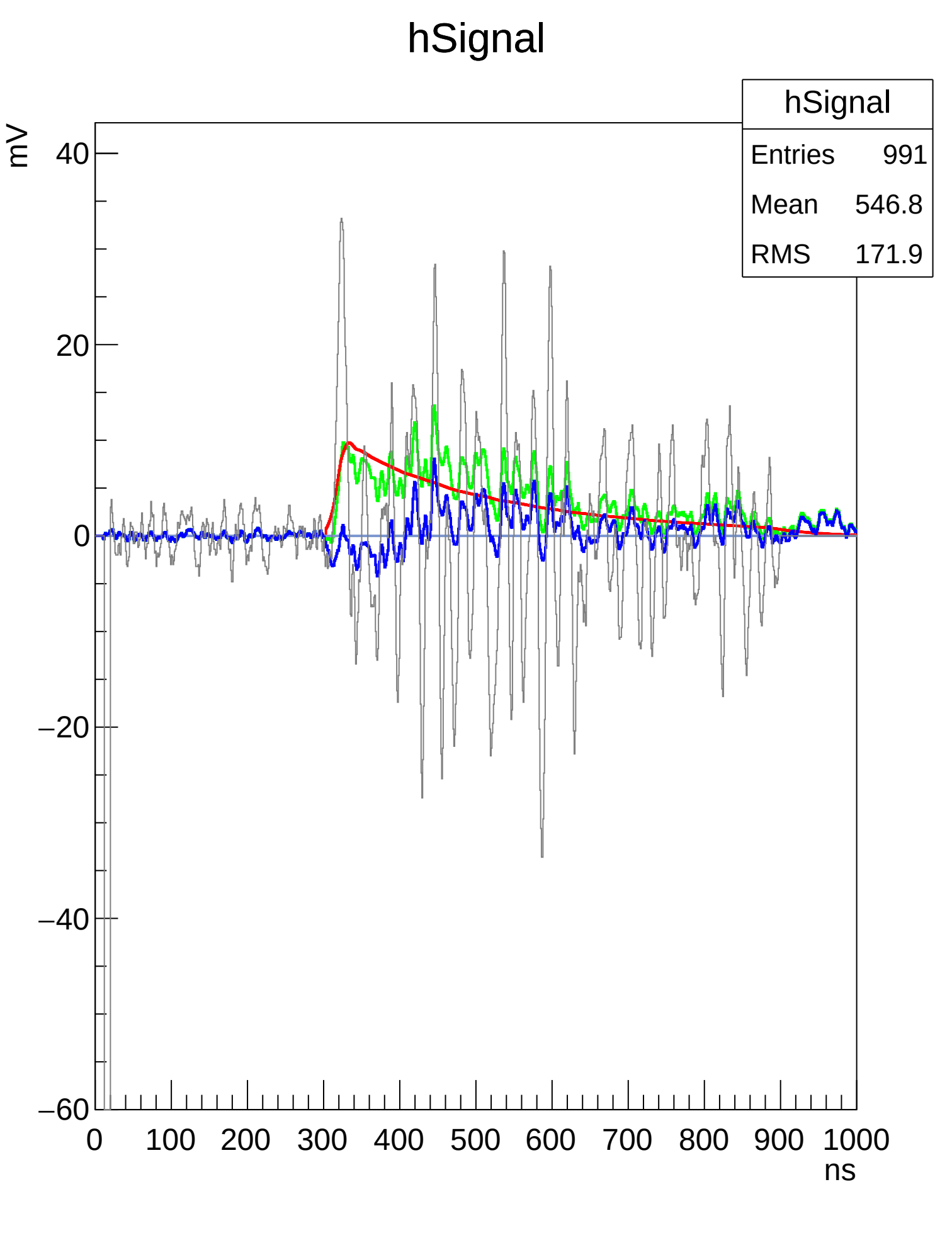
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.9
RMS 163.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.2
RMS 129.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.4
RMS 90.25
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.4
RMS 116.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.8
RMS 171.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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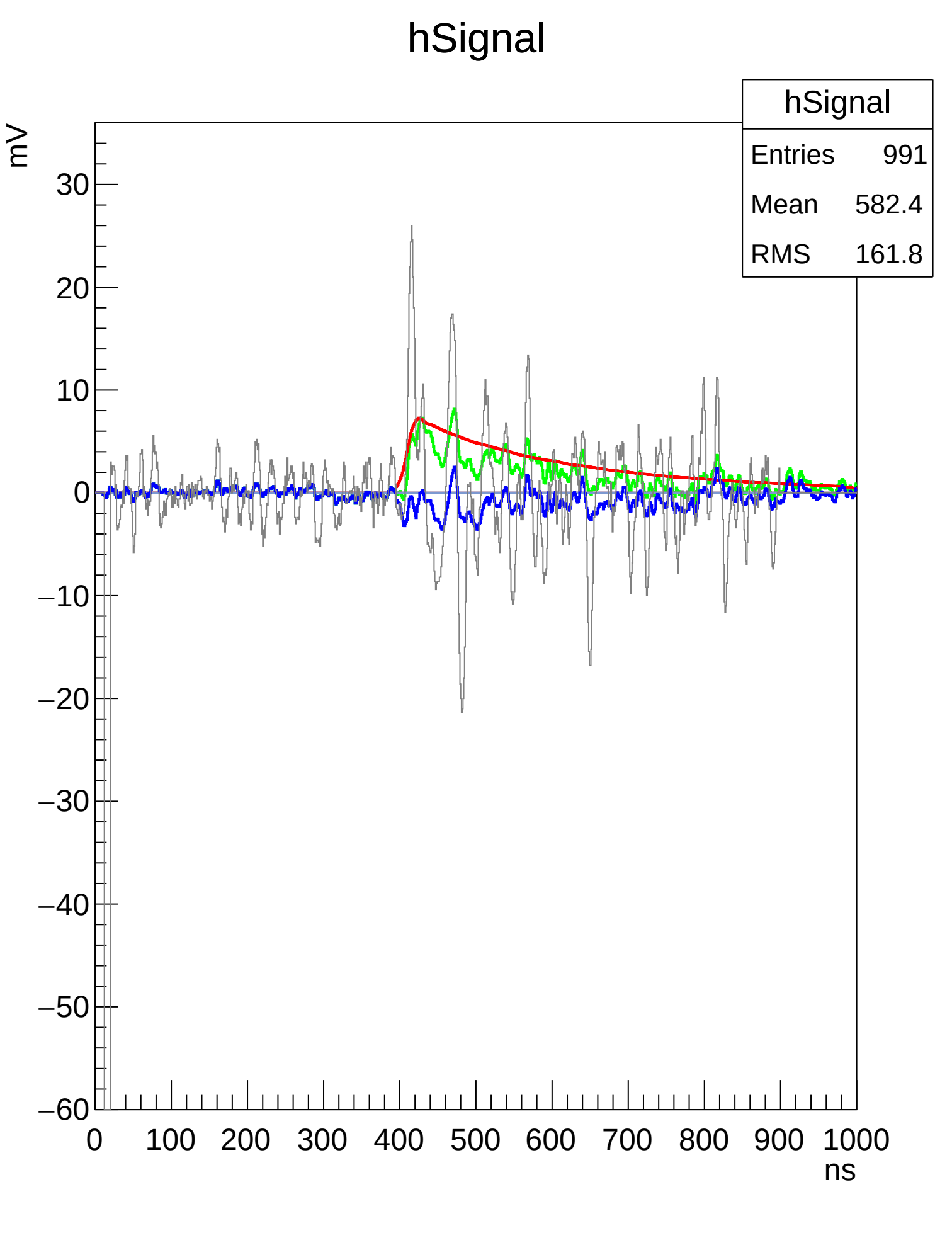
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.4
RMS 161.8
mV
30
20
10
0
−10
−20
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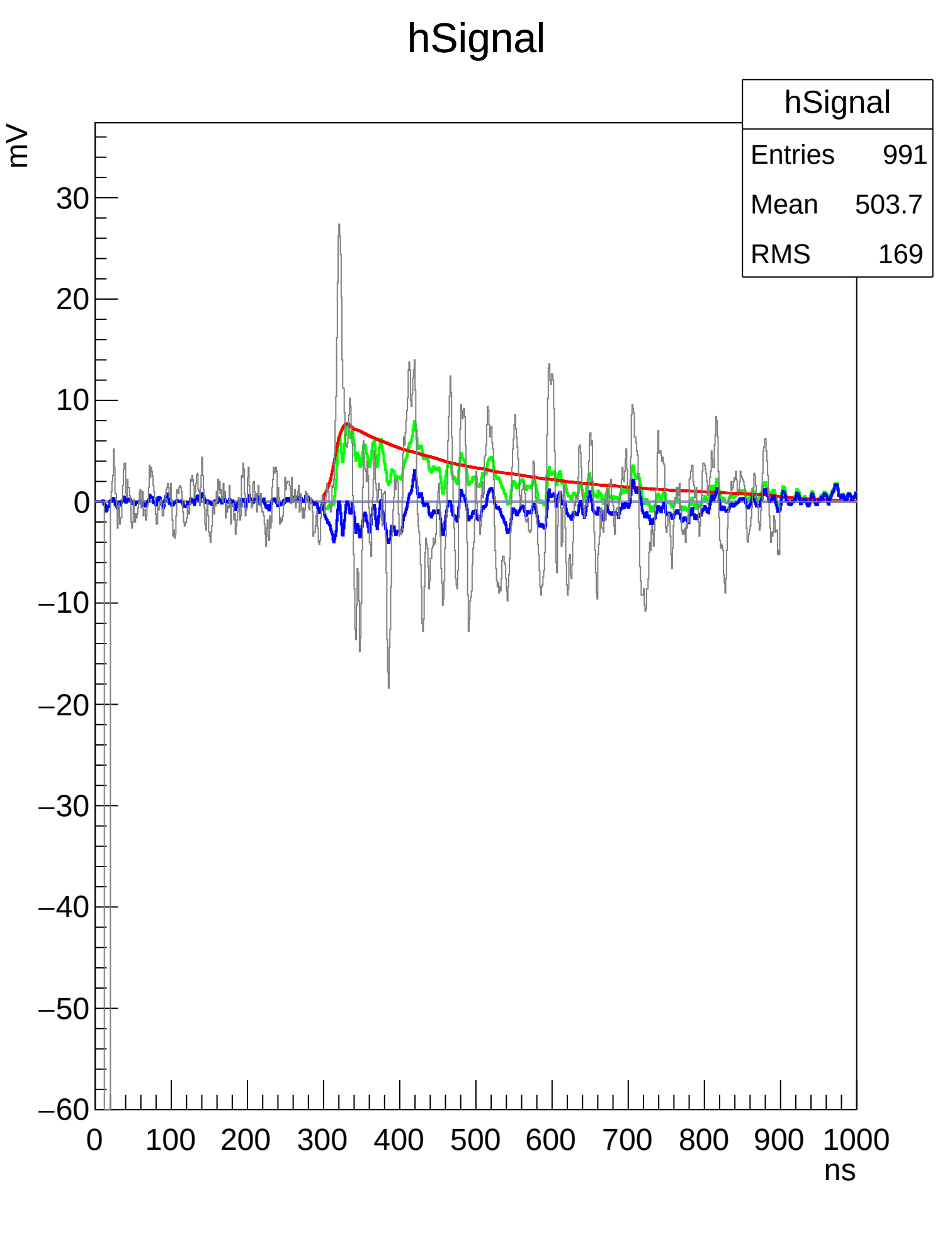
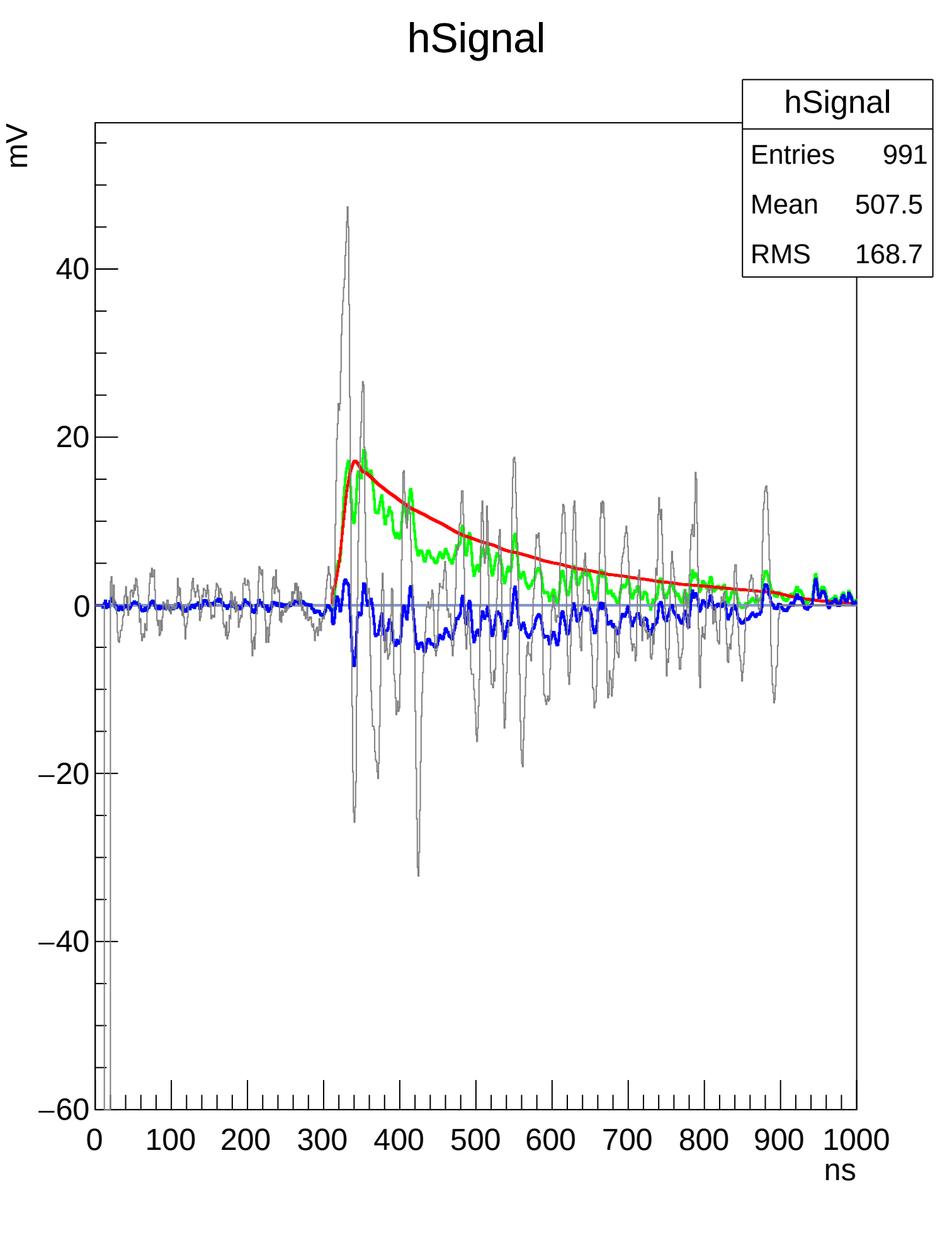
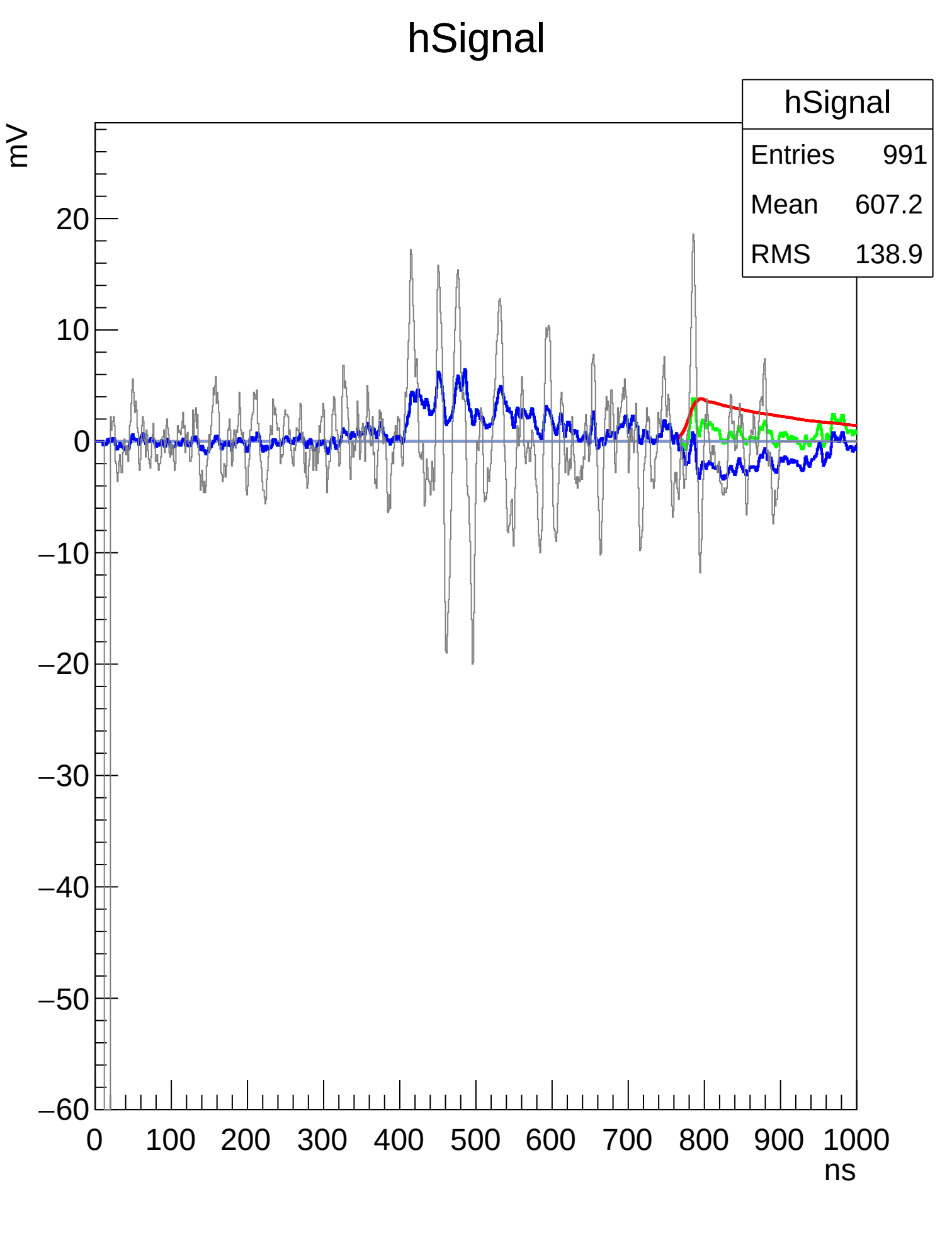
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.7
RMS 169
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.5
RMS 168.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.2
RMS 138.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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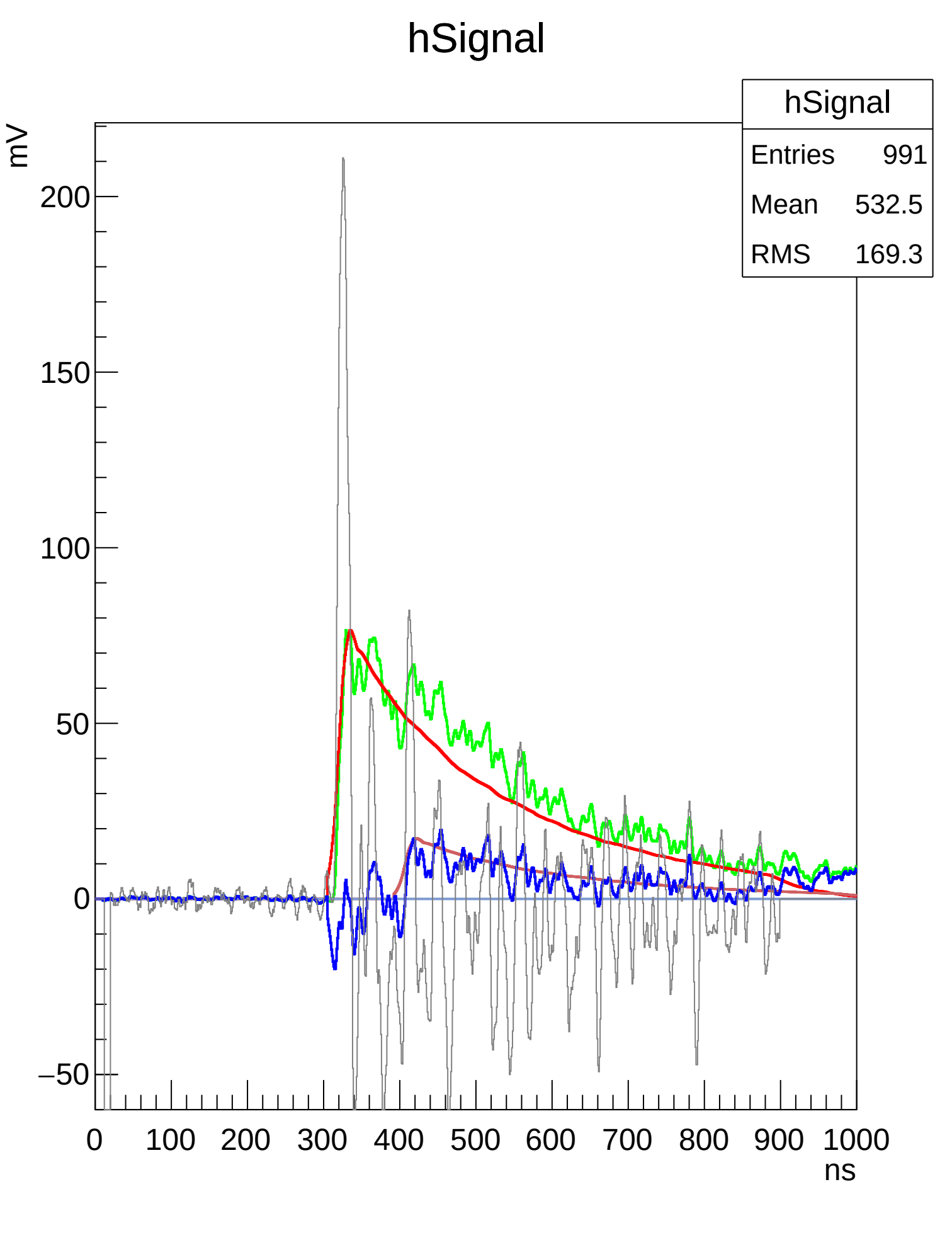
1000
ns


hSignal
hSignal
Entries 991
Mean 532.5
RMS 169.3
mV
200
150
100
50
0
−50
0
100
200
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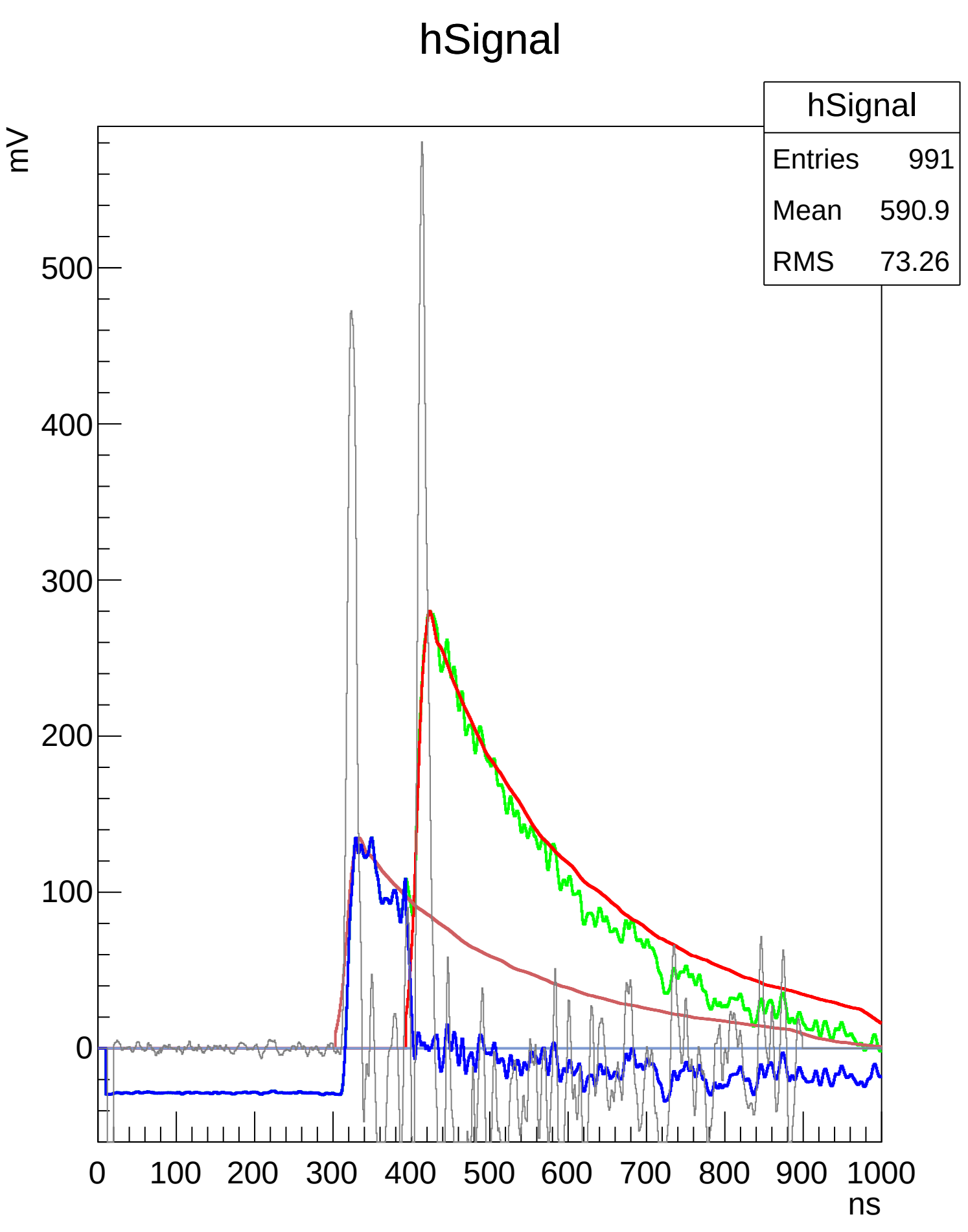
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.9
RMS 73.26
mV
500
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300
200
100
0
0
100
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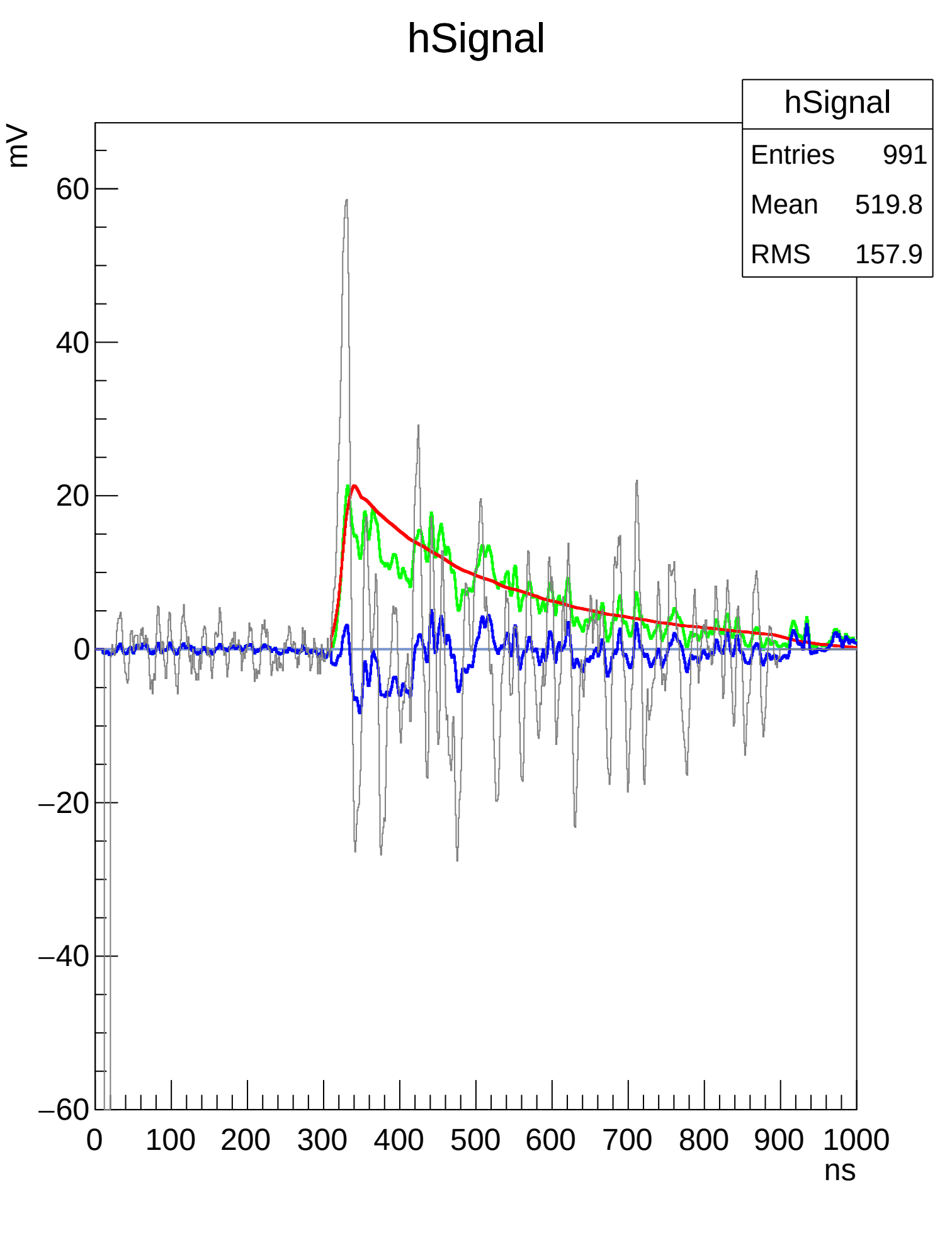
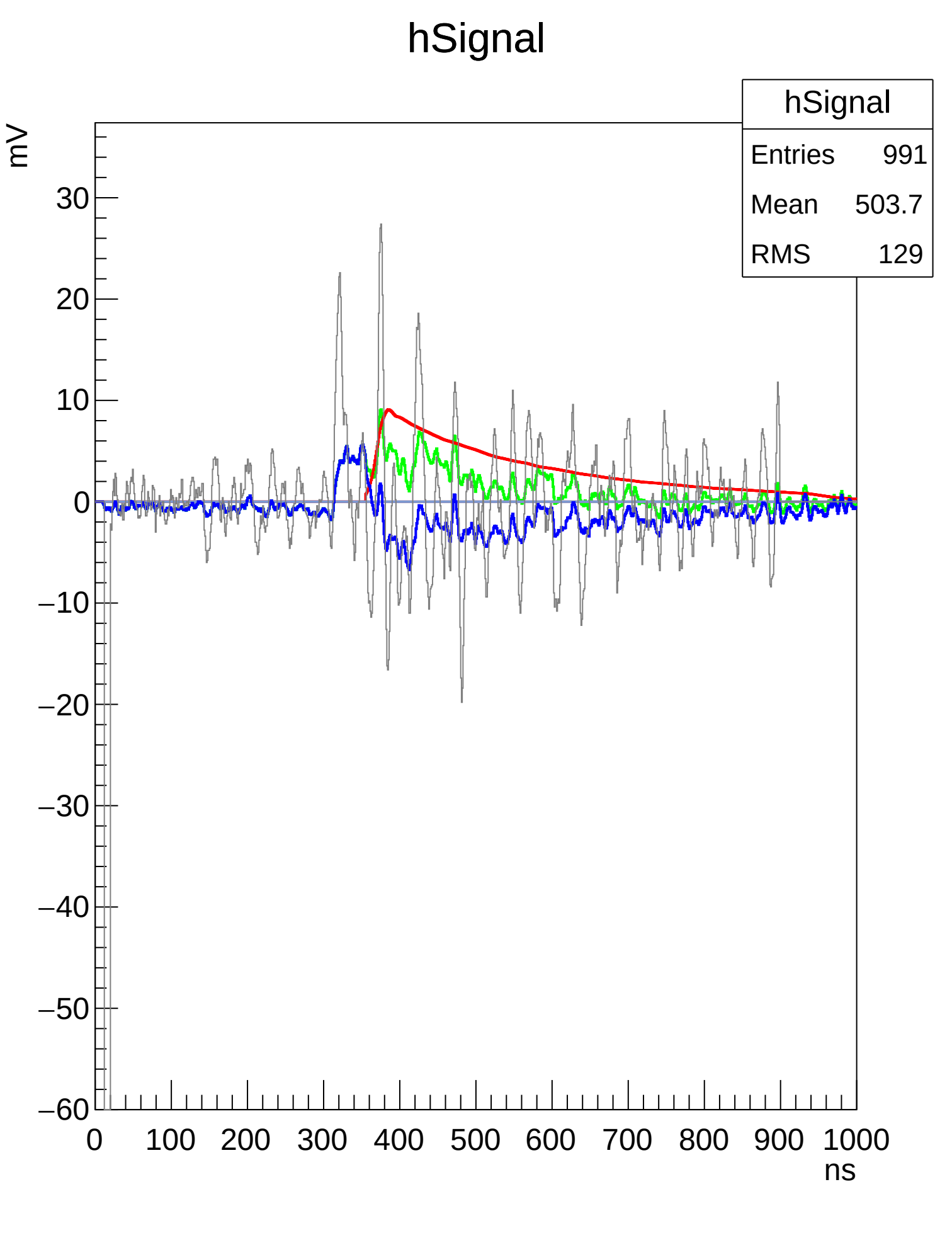
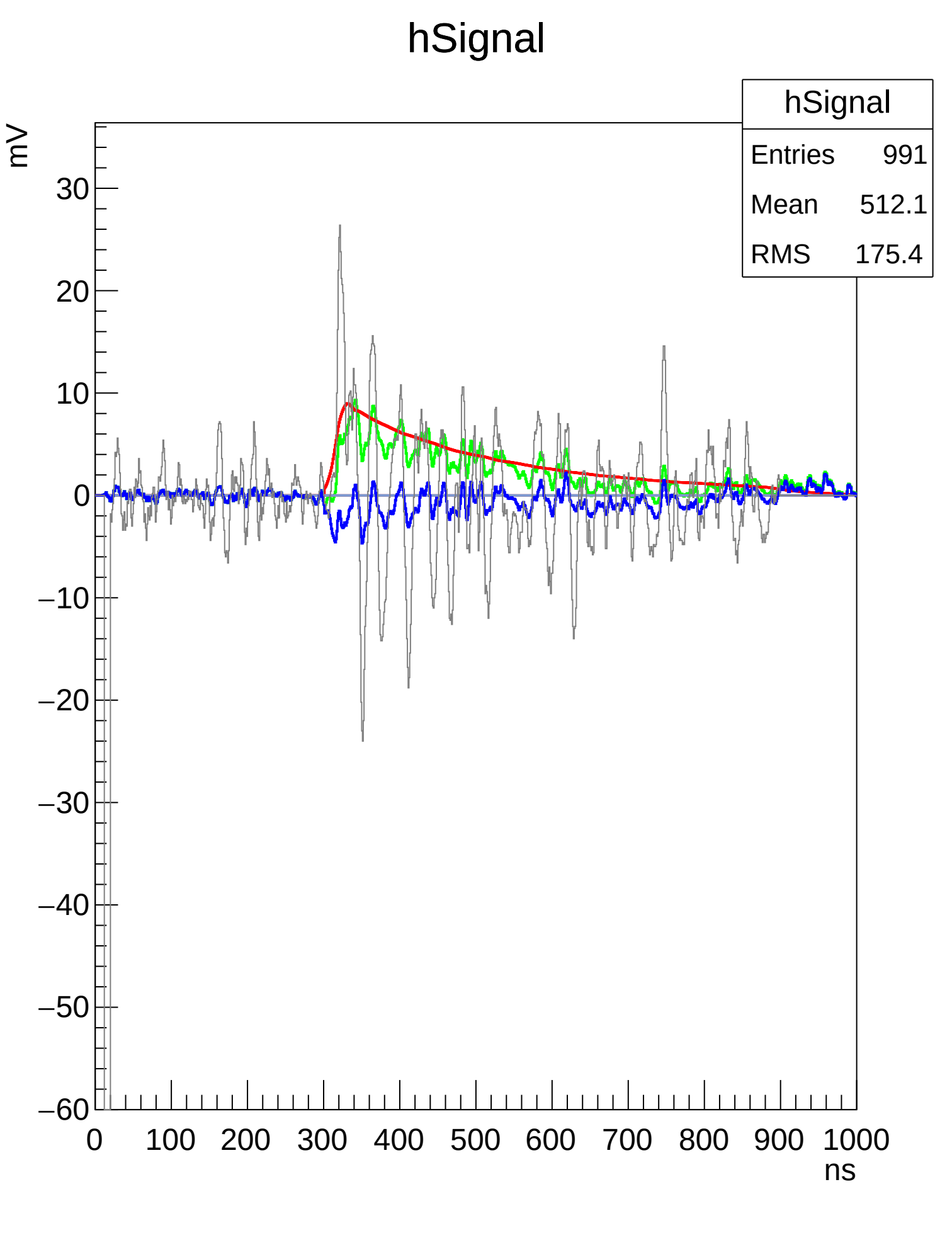
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.8
RMS 157.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.7
RMS 129
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.1
RMS 175.4
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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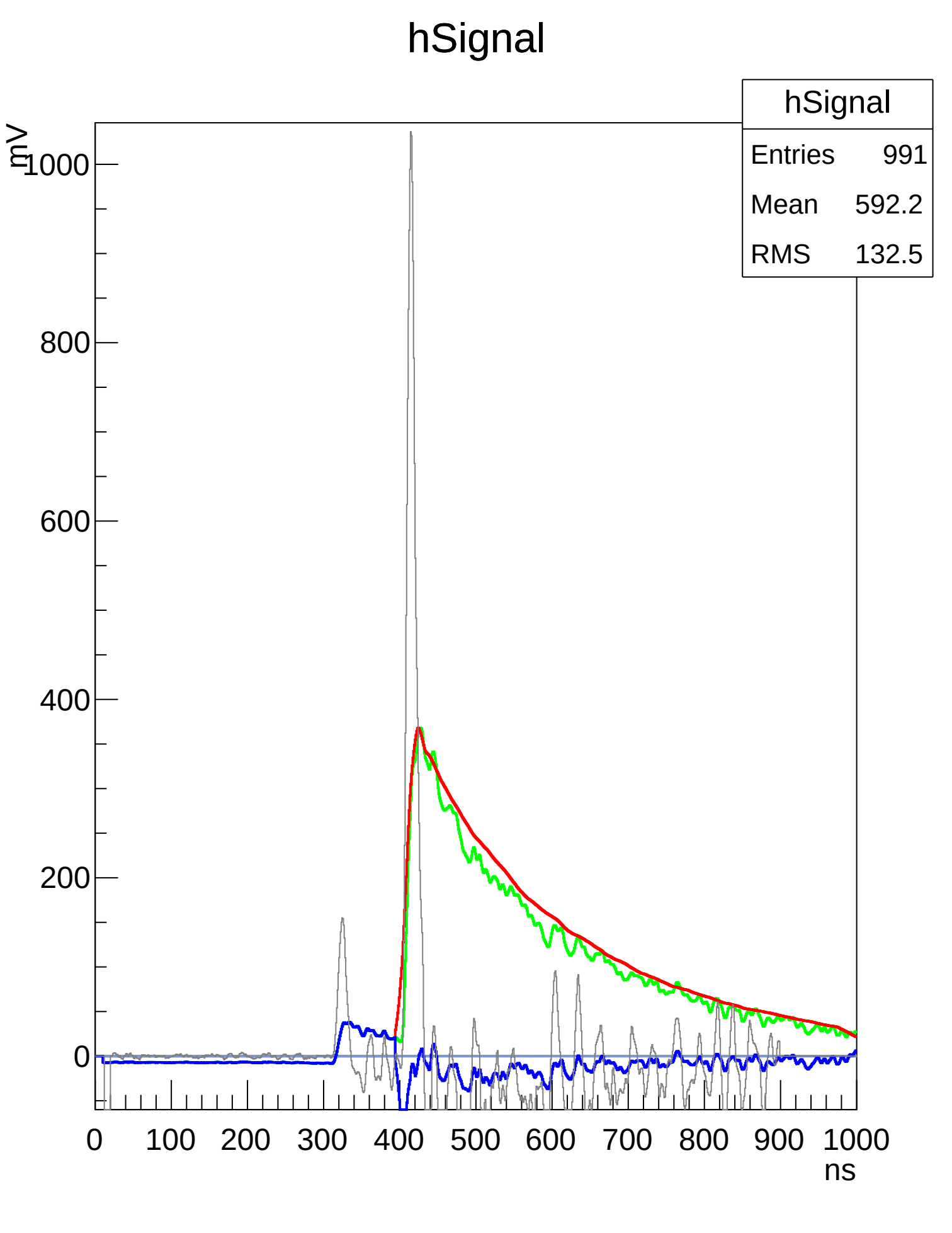
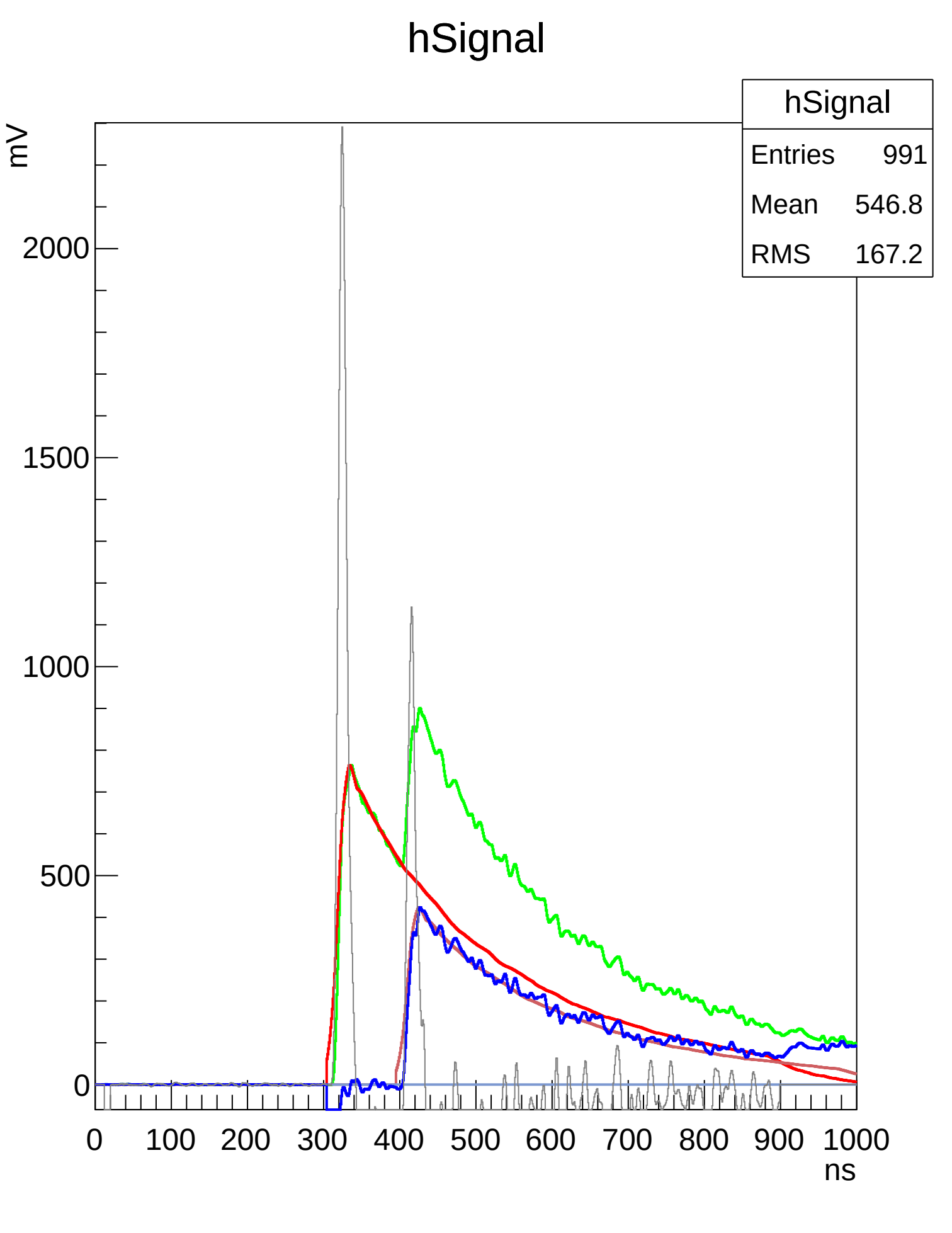
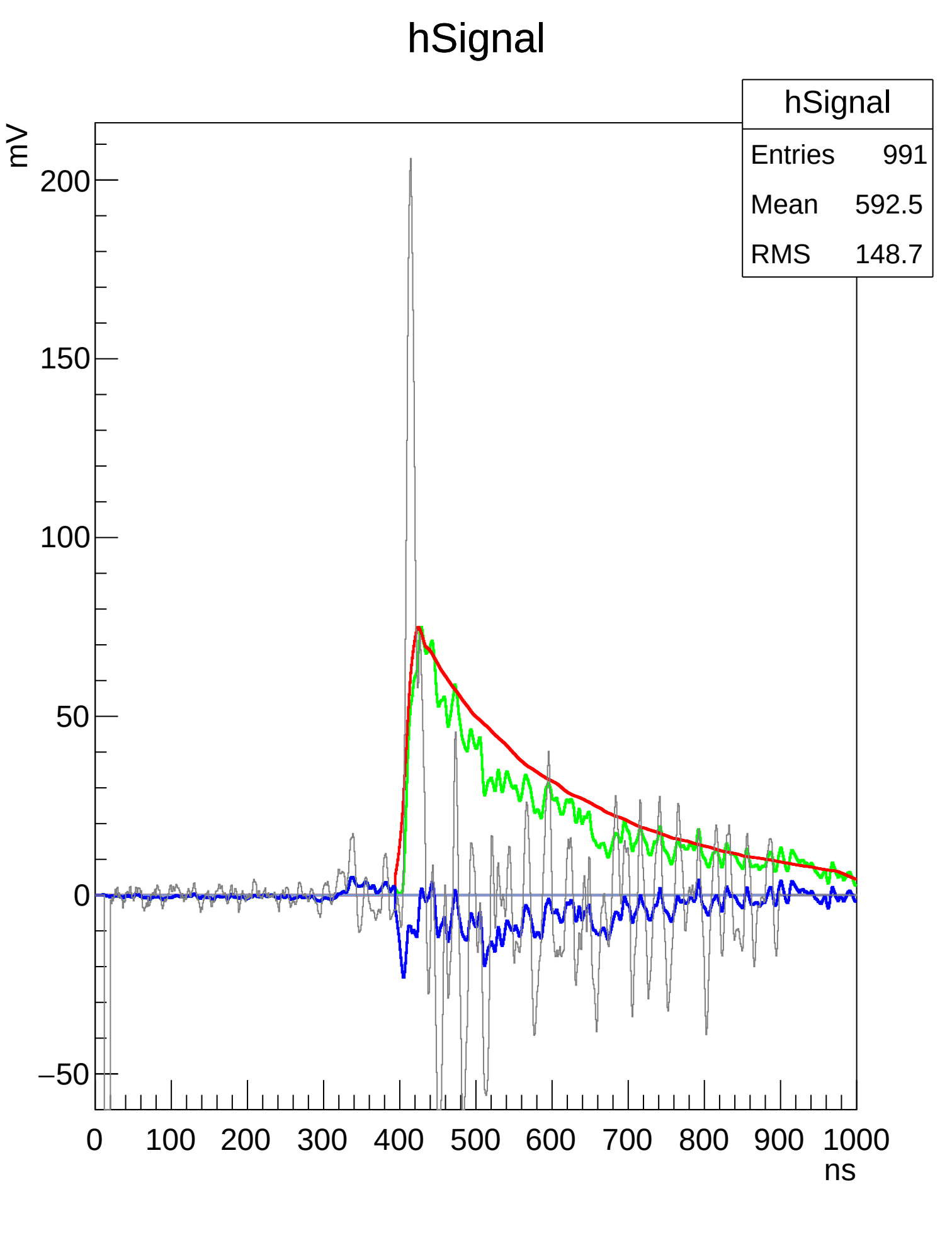
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.2
RMS 132.5
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.8
RMS 167.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.5
RMS 148.7
mV
200
150
100
50
0
−50
0
100
200
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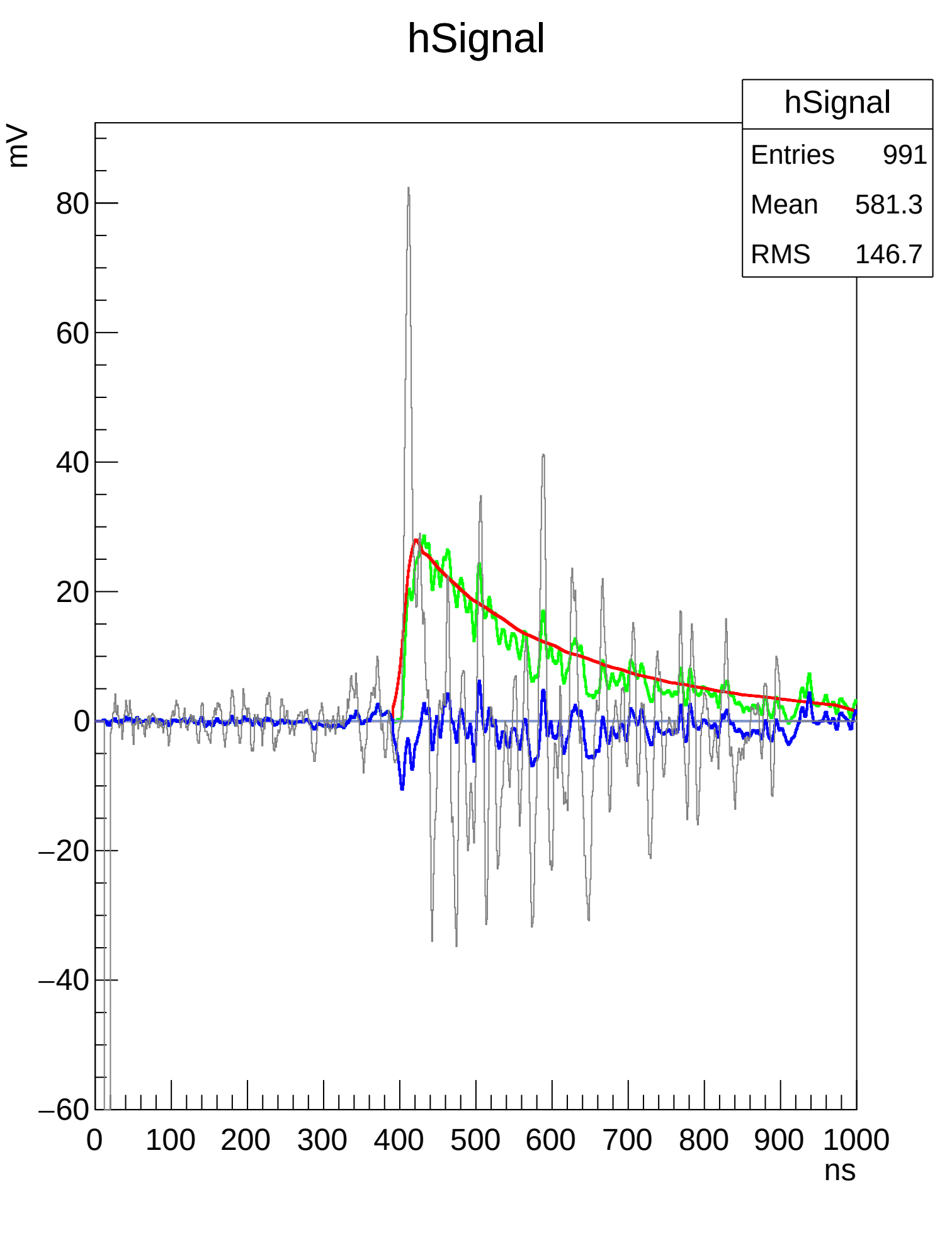
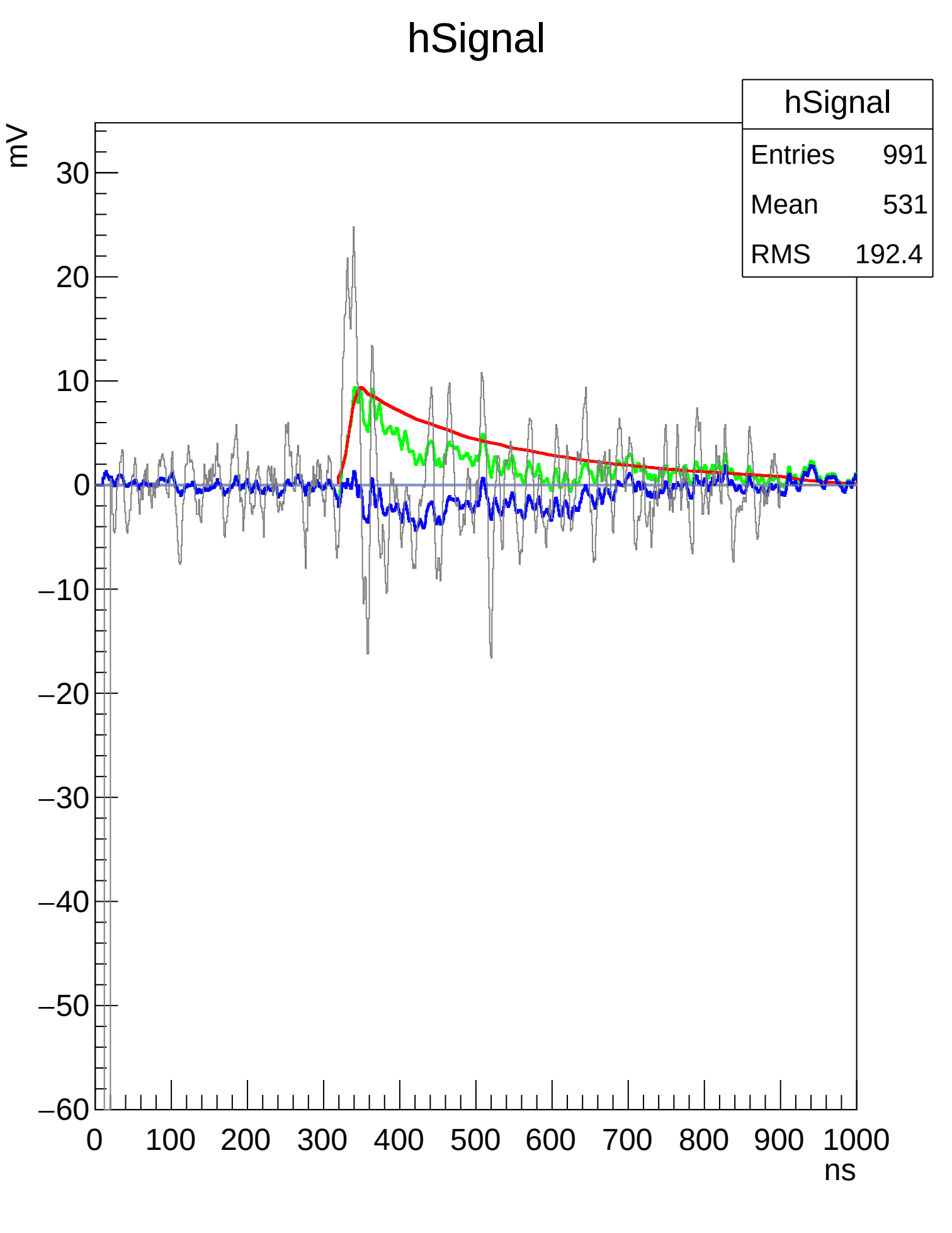
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.3
RMS 146.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531
RMS 192.4
mV
30
20
10
0
−10
−20
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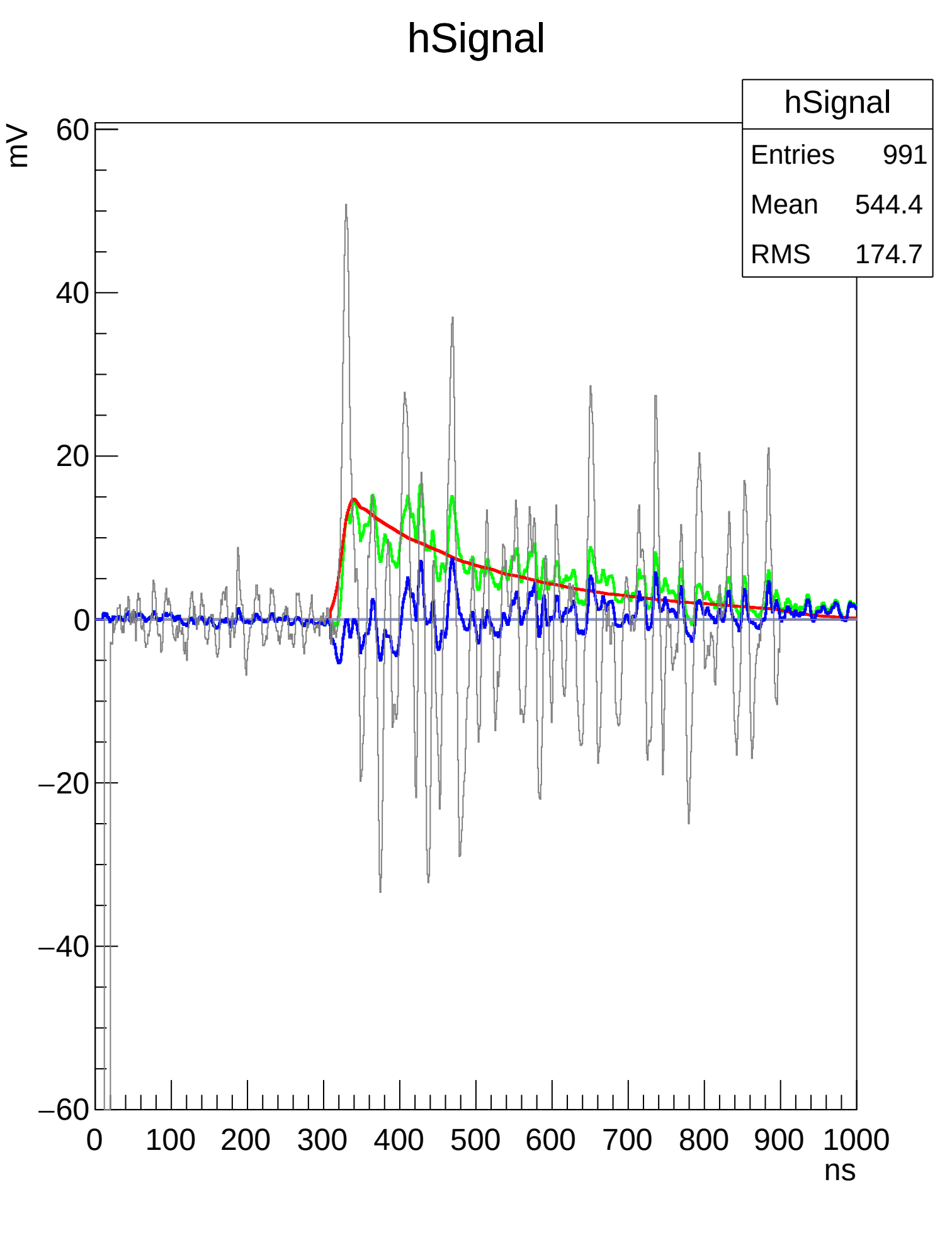
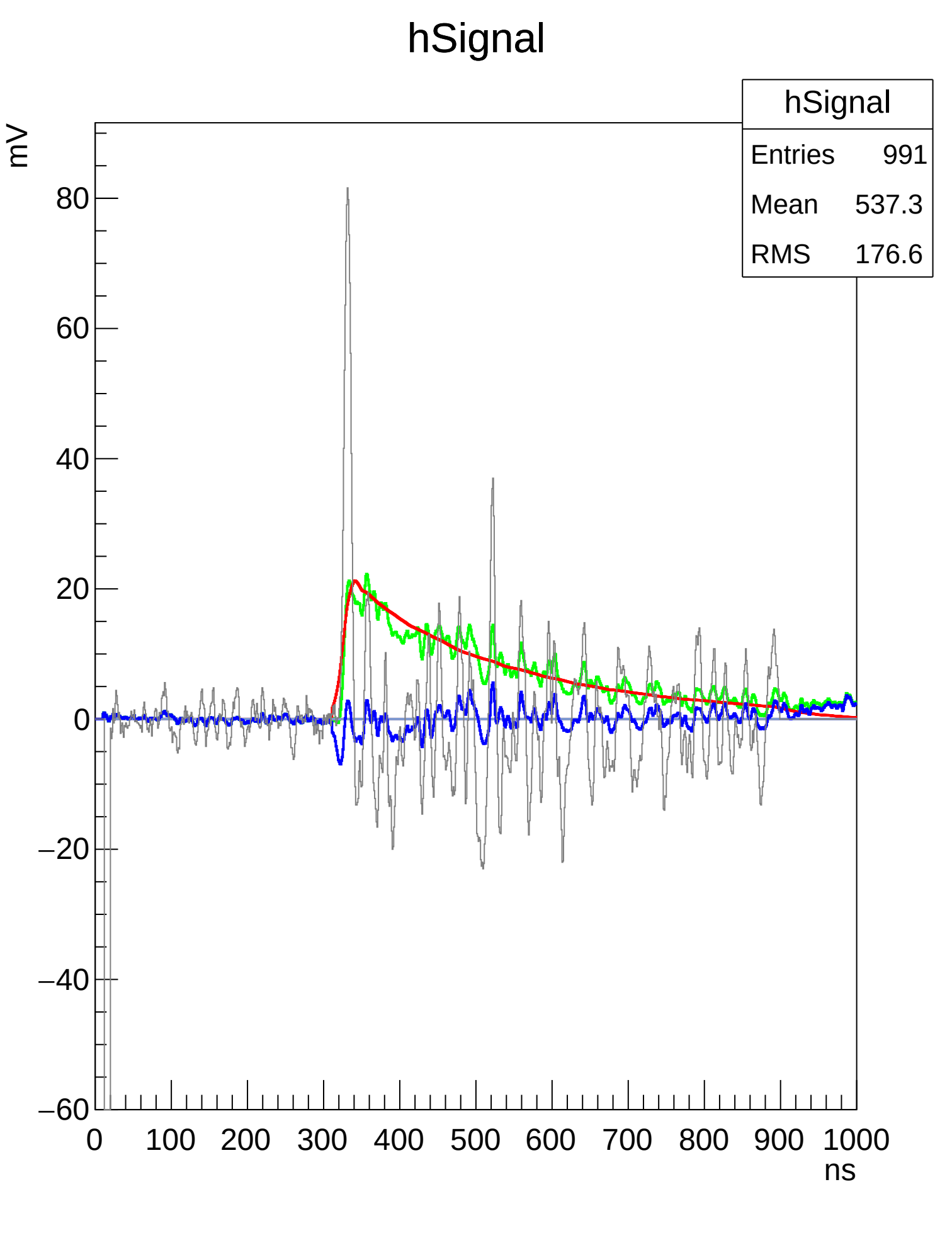
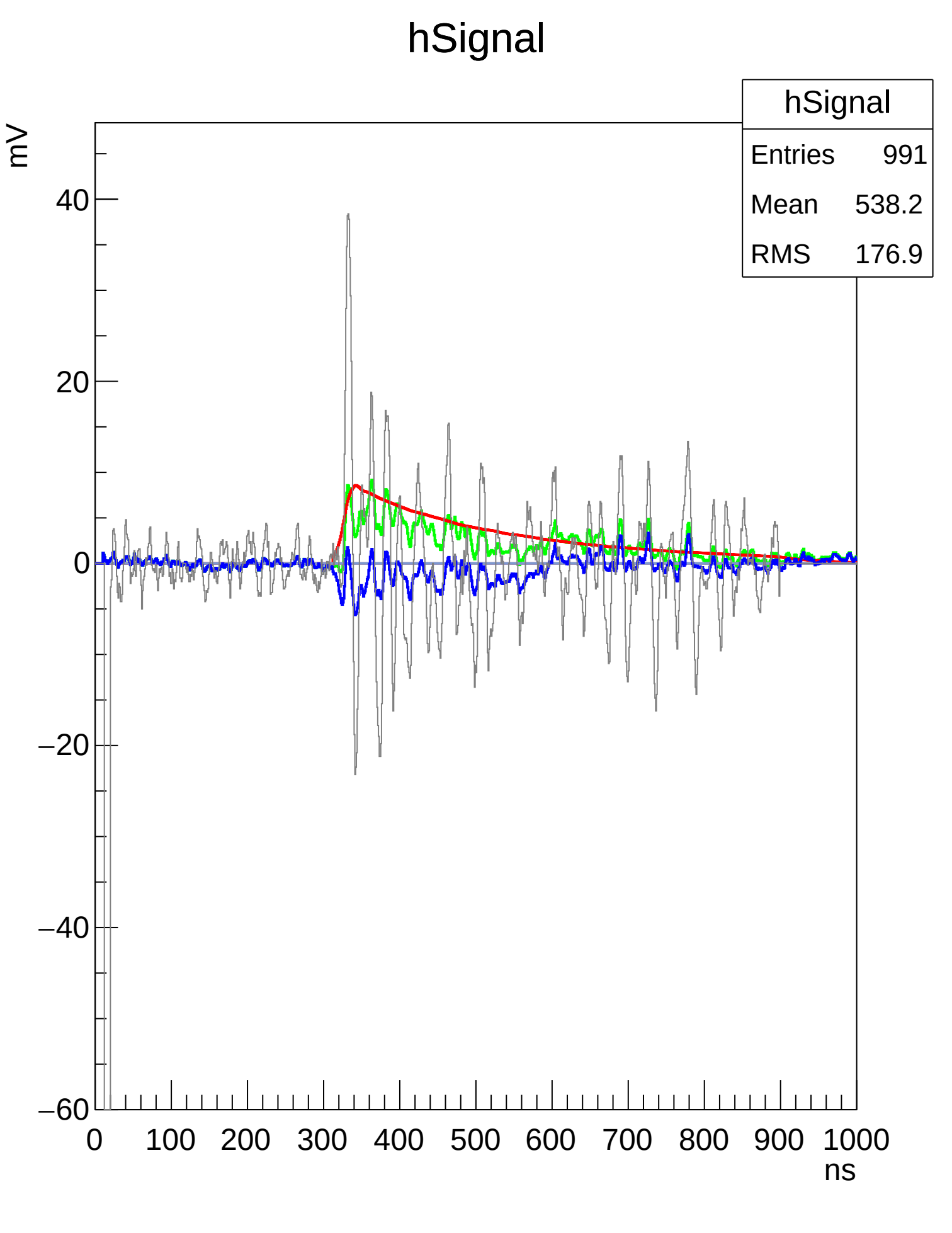
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.4
RMS 174.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 176.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.2
RMS 176.9
mV
40
20
0
−20
−40
−60
0
100
200
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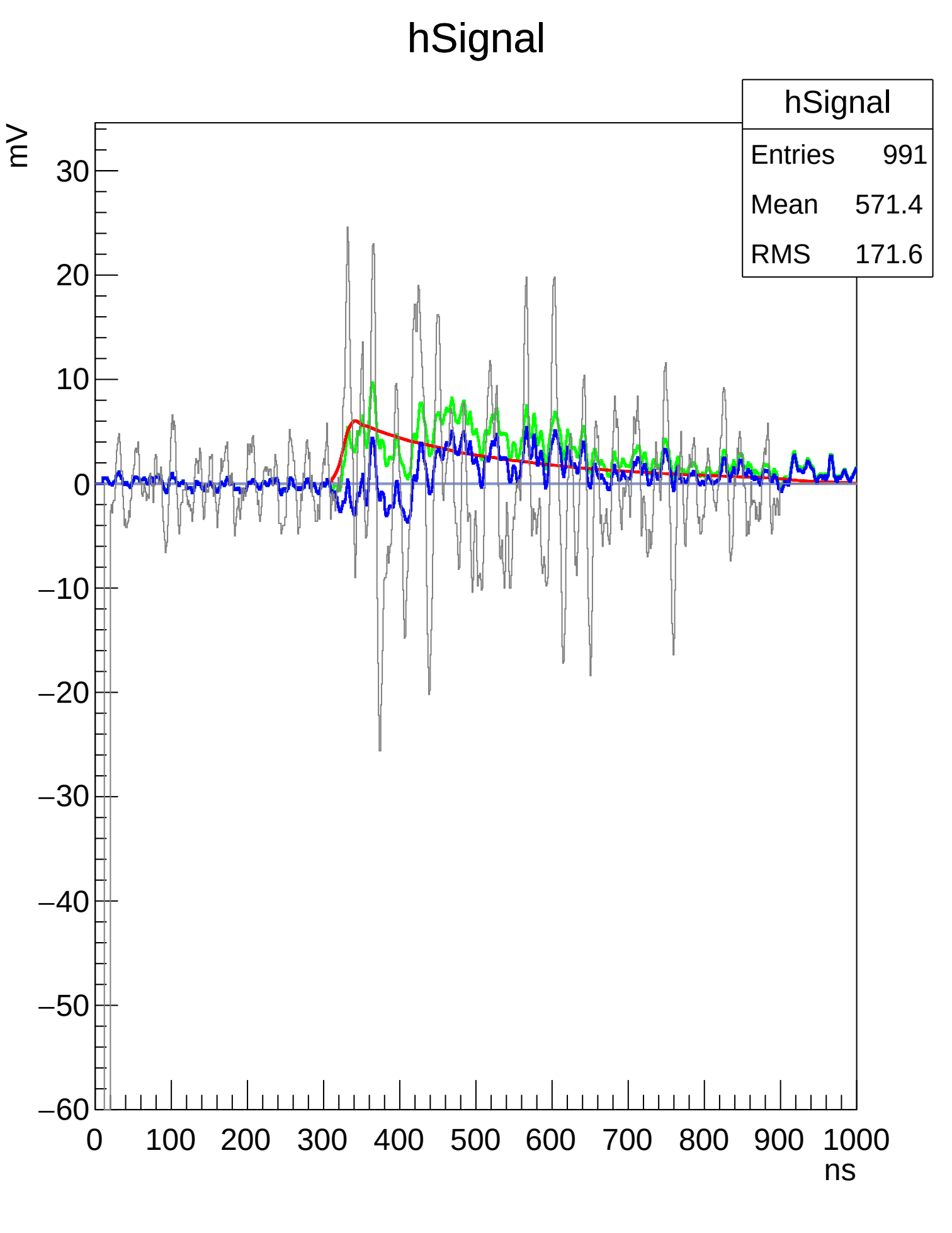
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.4
RMS 171.6
mV
30
20
10
0
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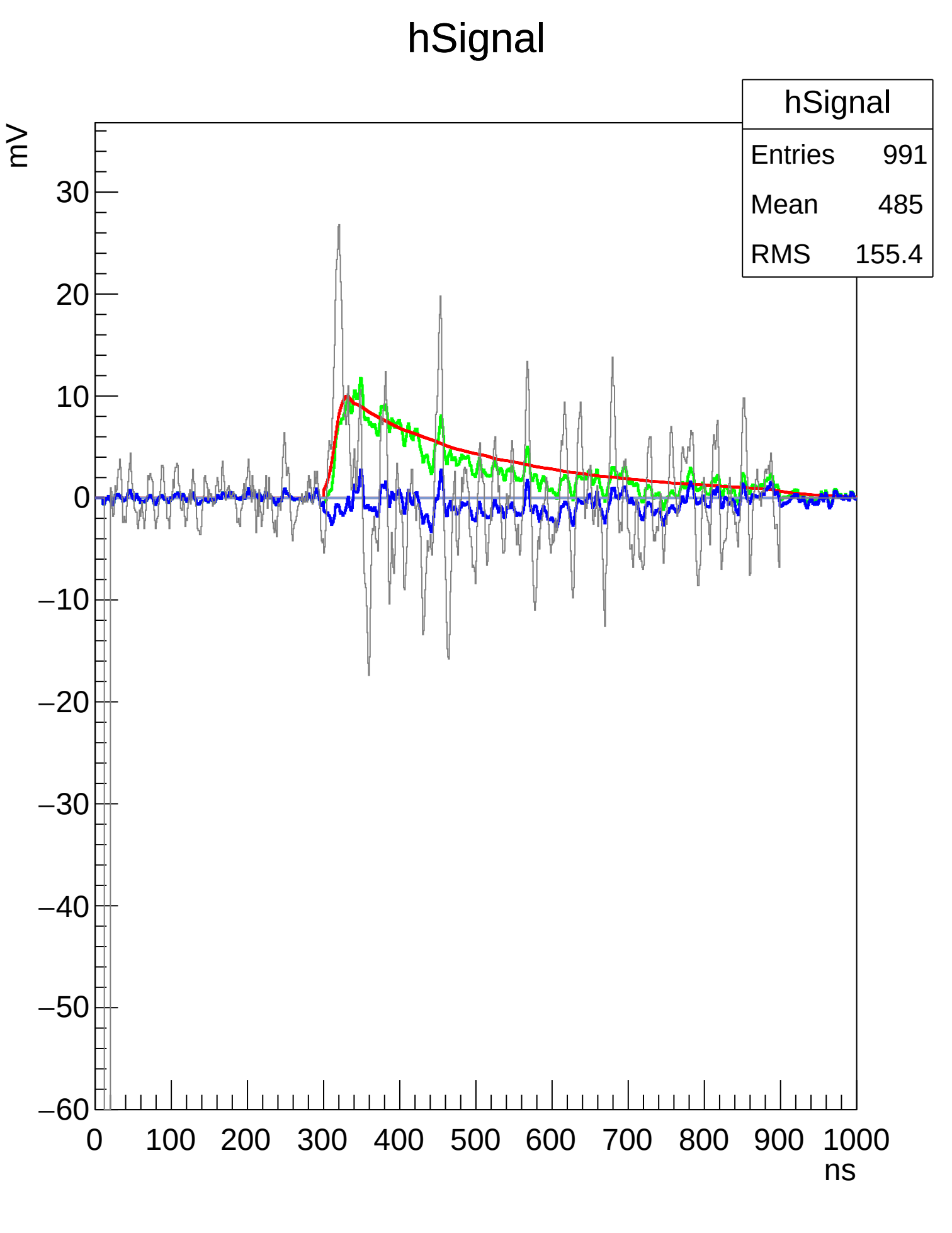
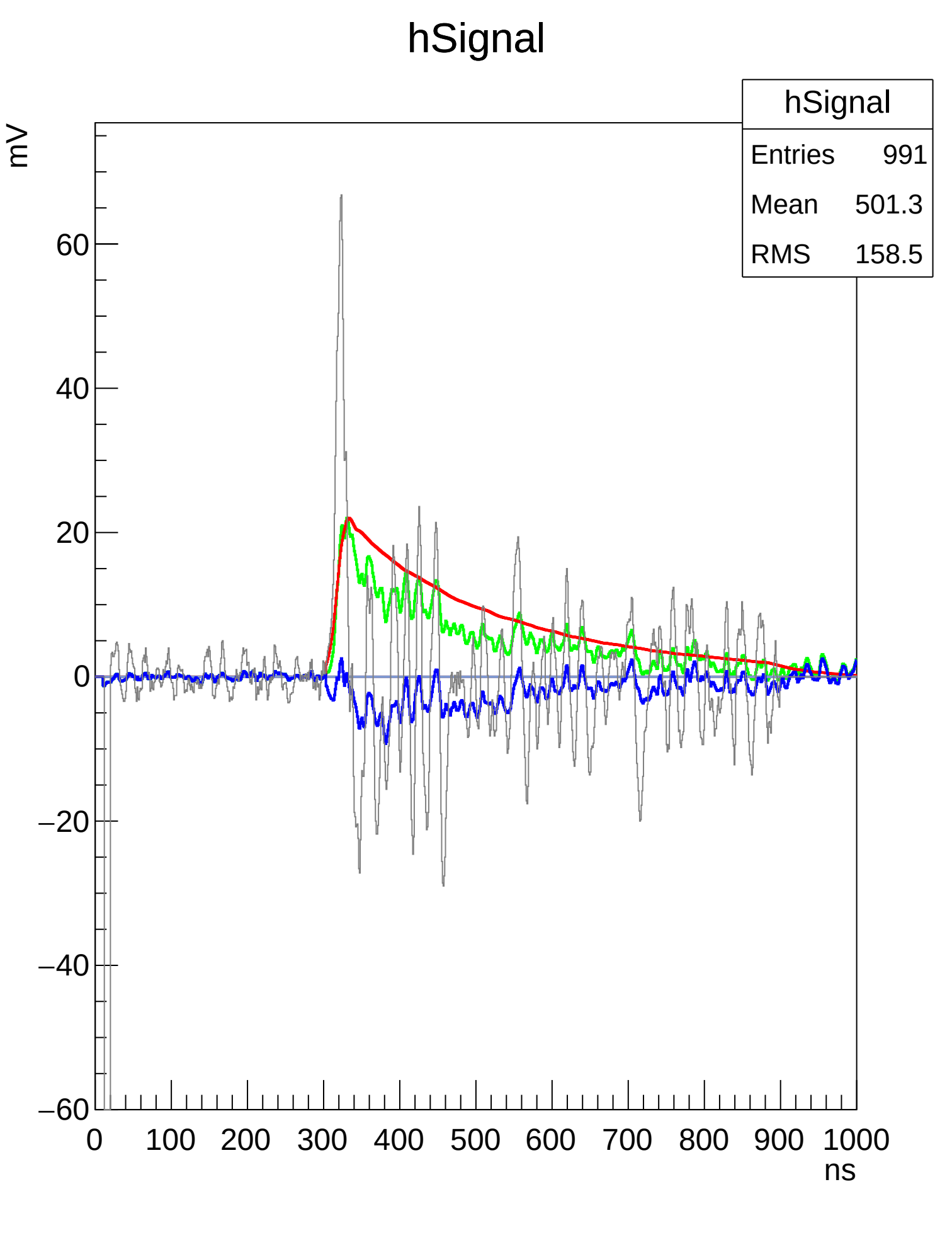
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485
RMS 155.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.3
RMS 158.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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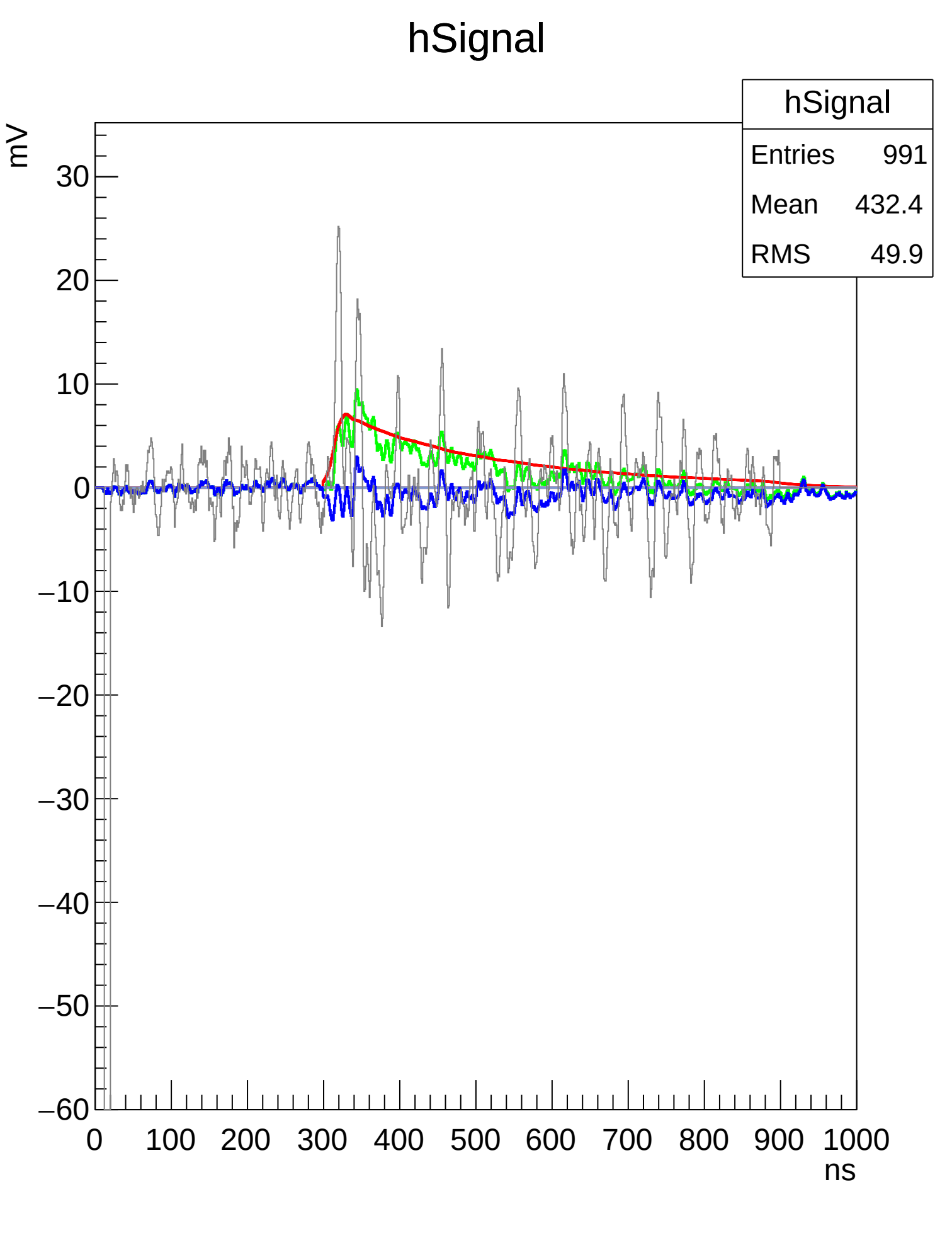
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 432.4
RMS 49.9
mV
30
20
10
0
−10
−20
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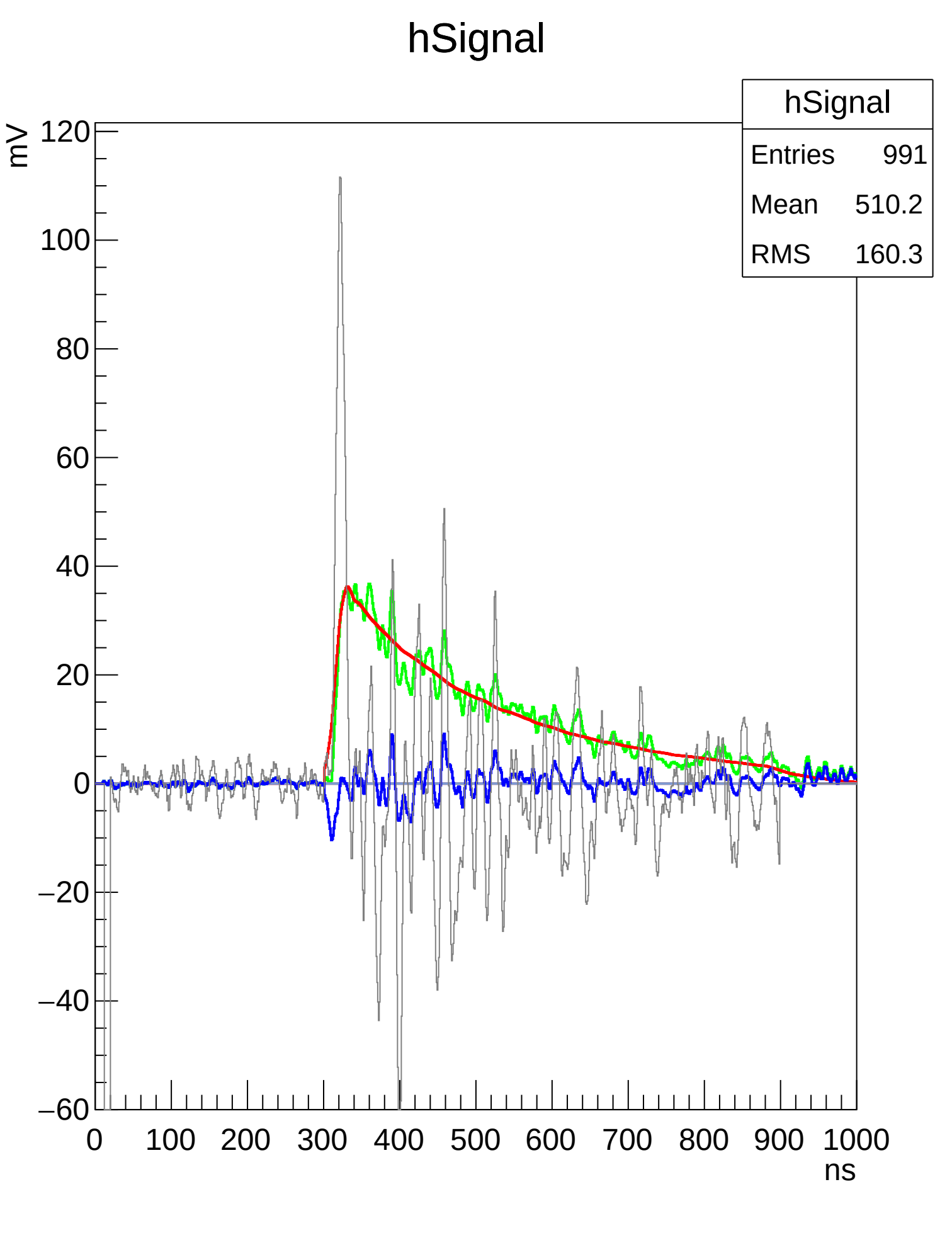
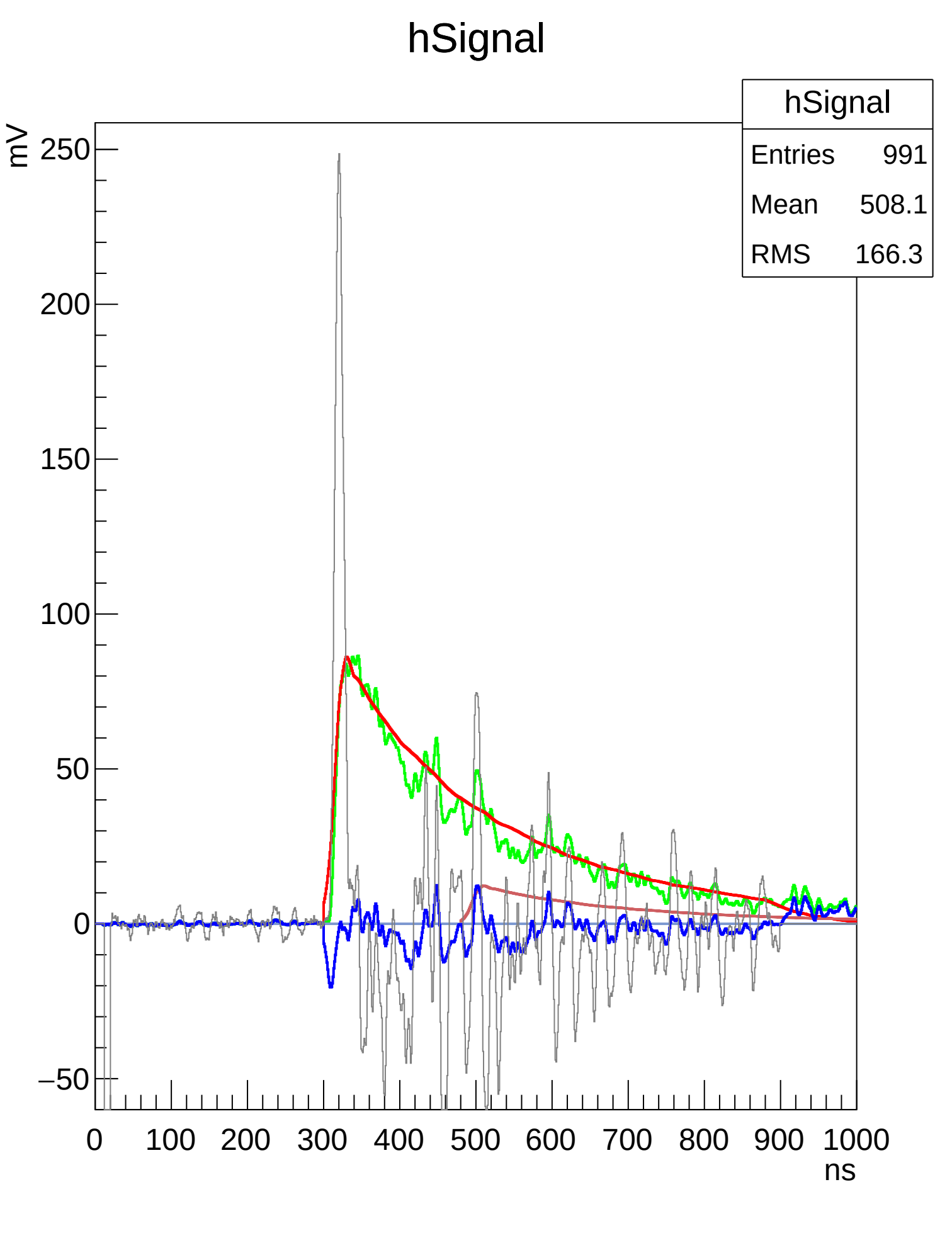
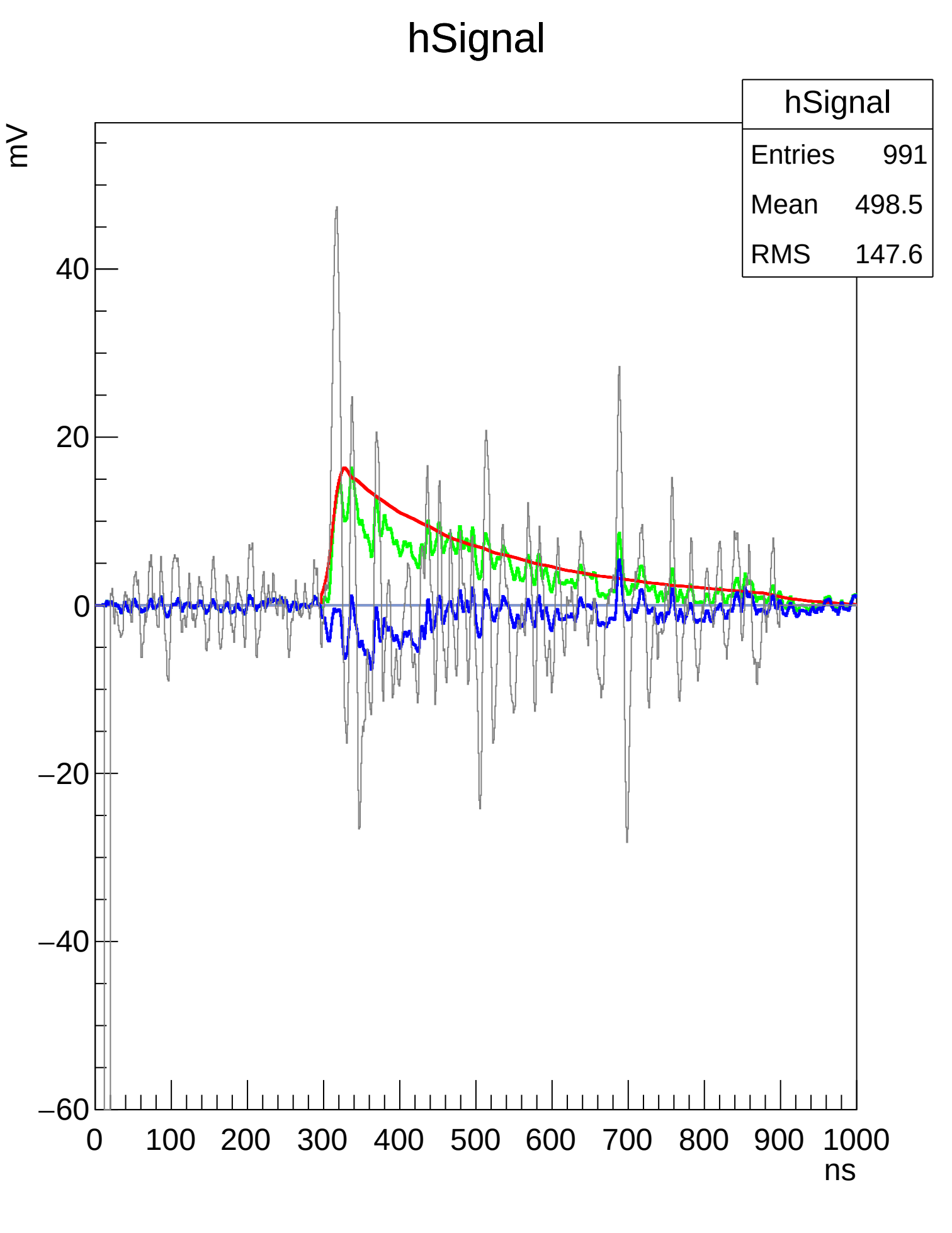
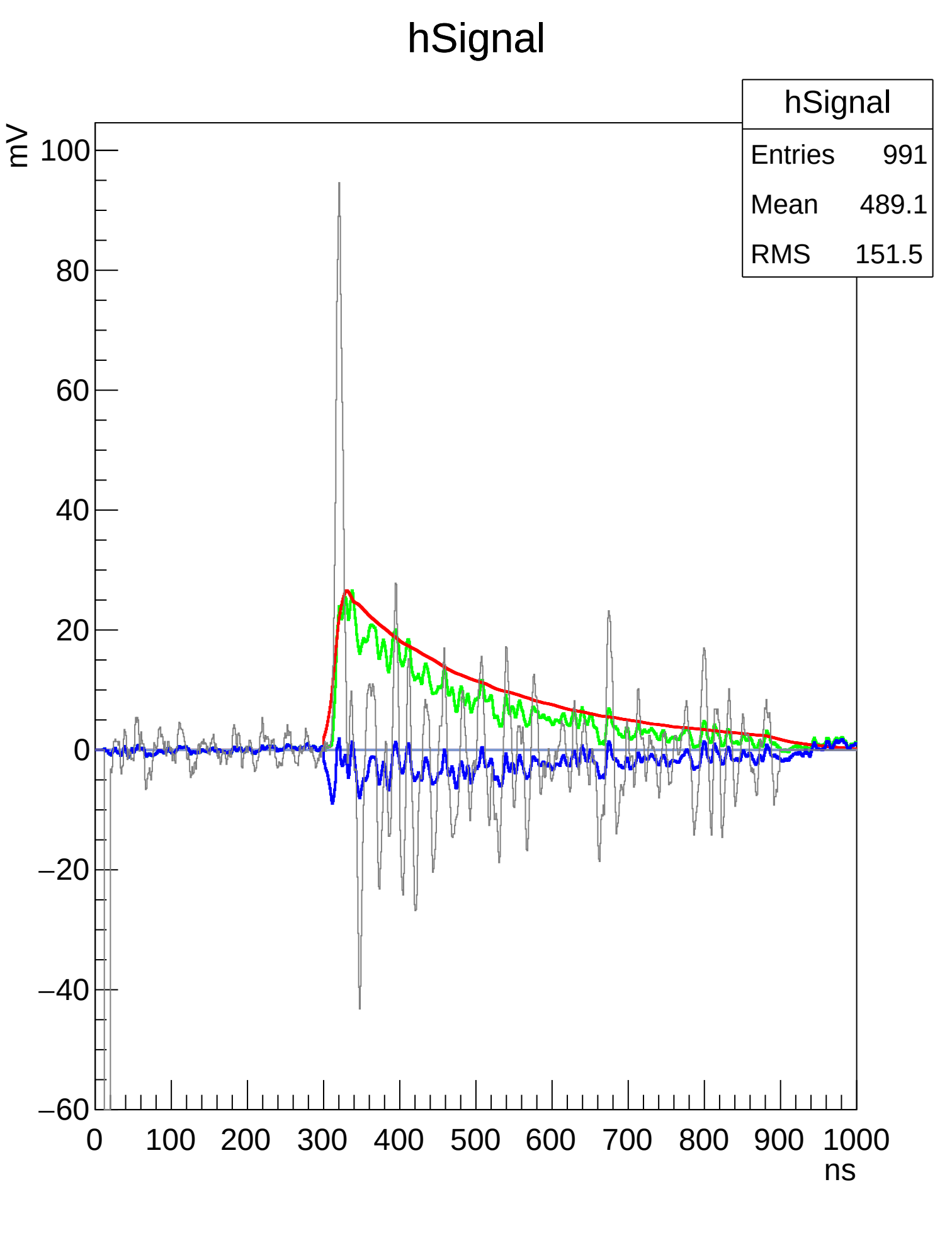
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.2
RMS 160.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.1
RMS 166.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.5
RMS 147.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.1
RMS 151.5
mV
100
80
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40
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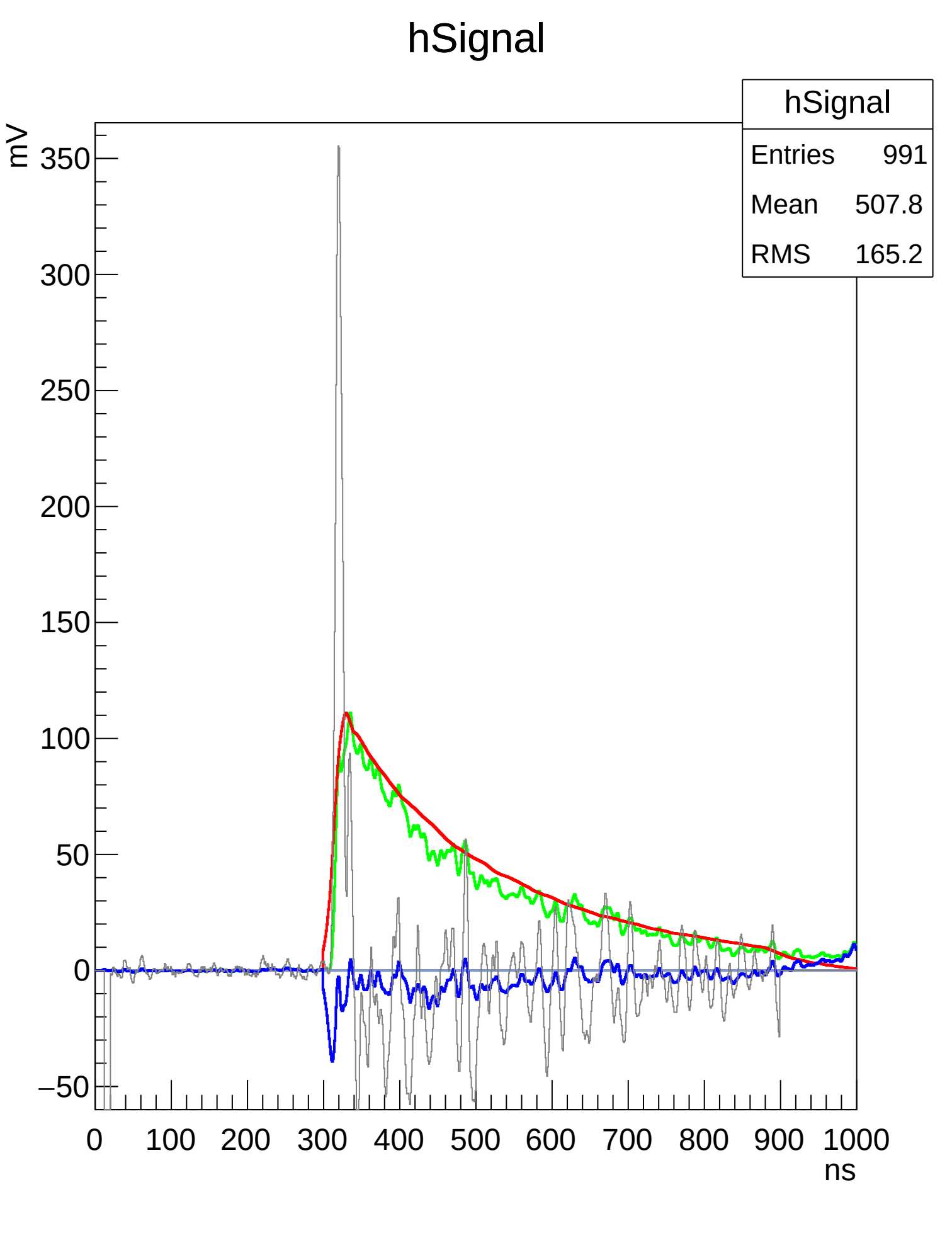
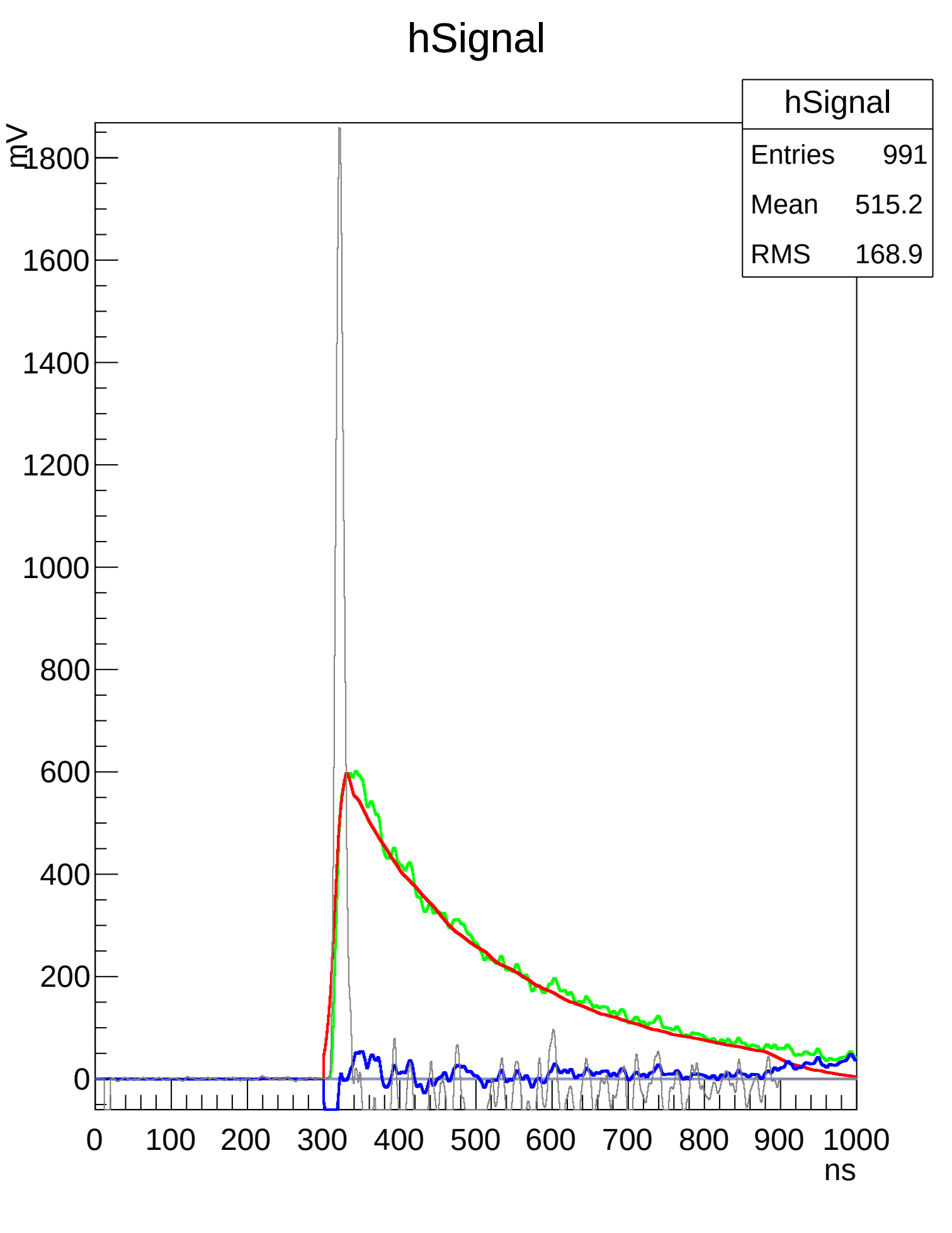
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.8
RMS 165.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.2
RMS 168.9
mV
1800
1600
1400
1200
1000
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600
400
200
0
0
100
200
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400
500
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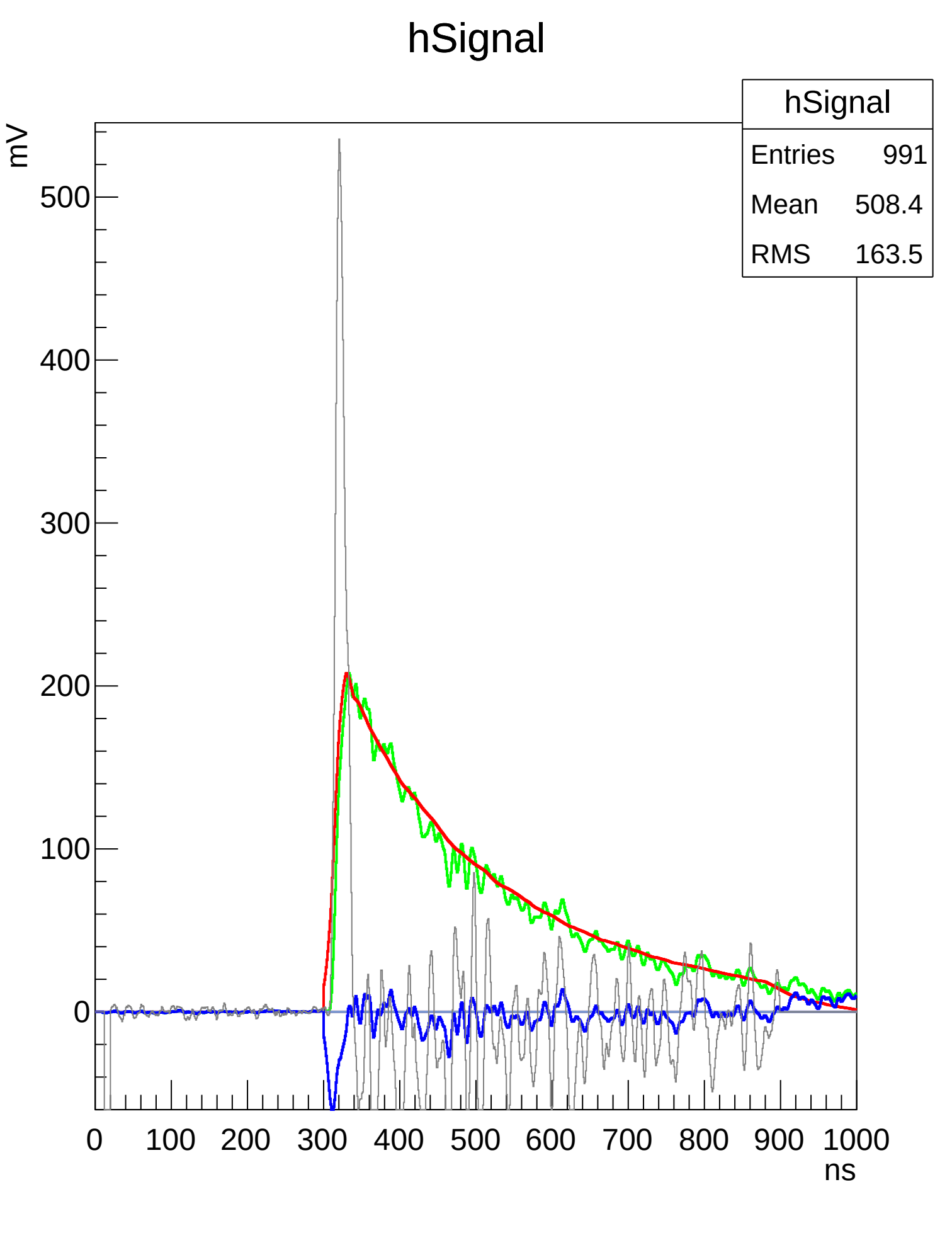
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.4
RMS 163.5
mV
500
400
300
200
100
0
0
100
200
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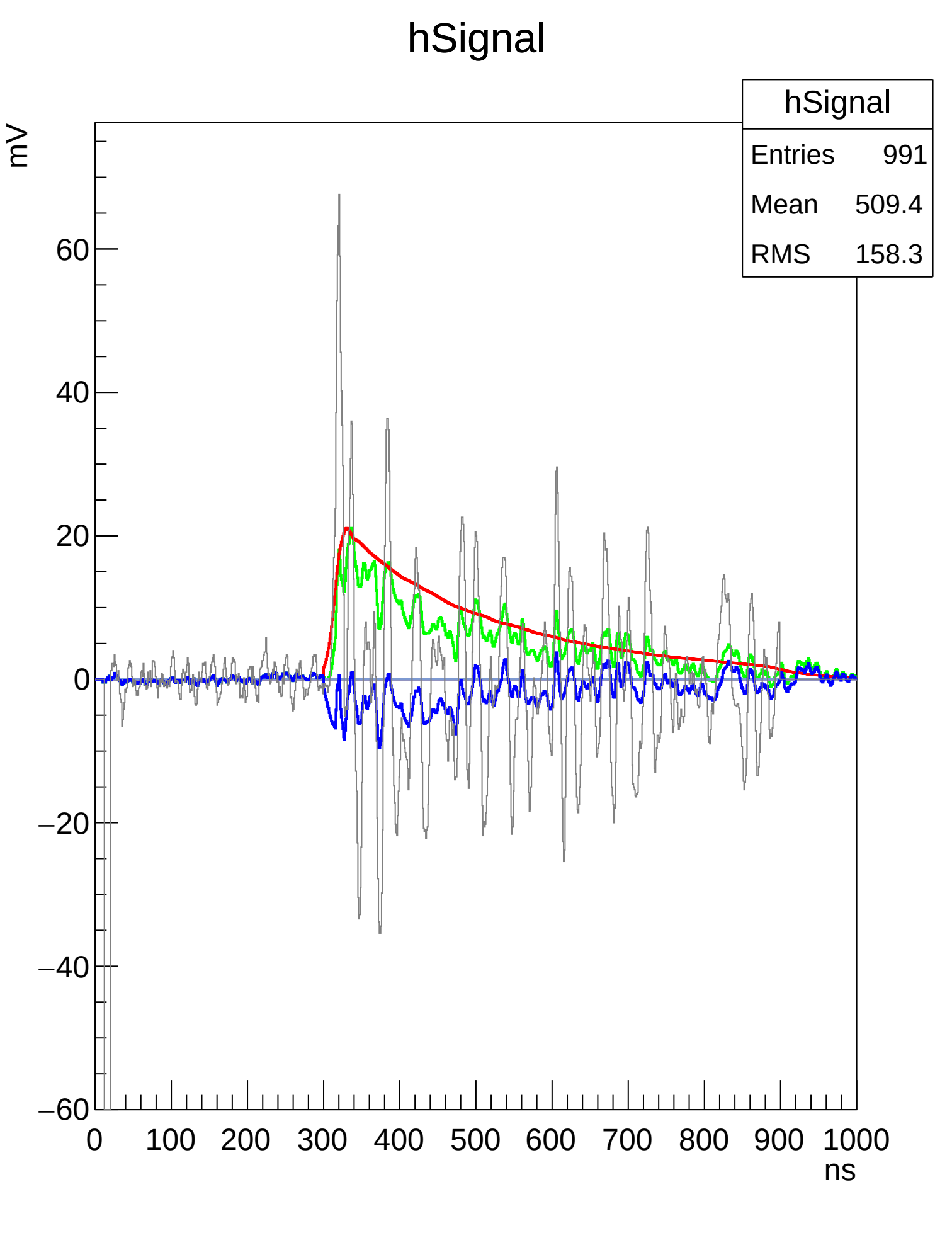
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.4
RMS 158.3
mV
60
40
20
0
−20
−40
−60
0
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200
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400
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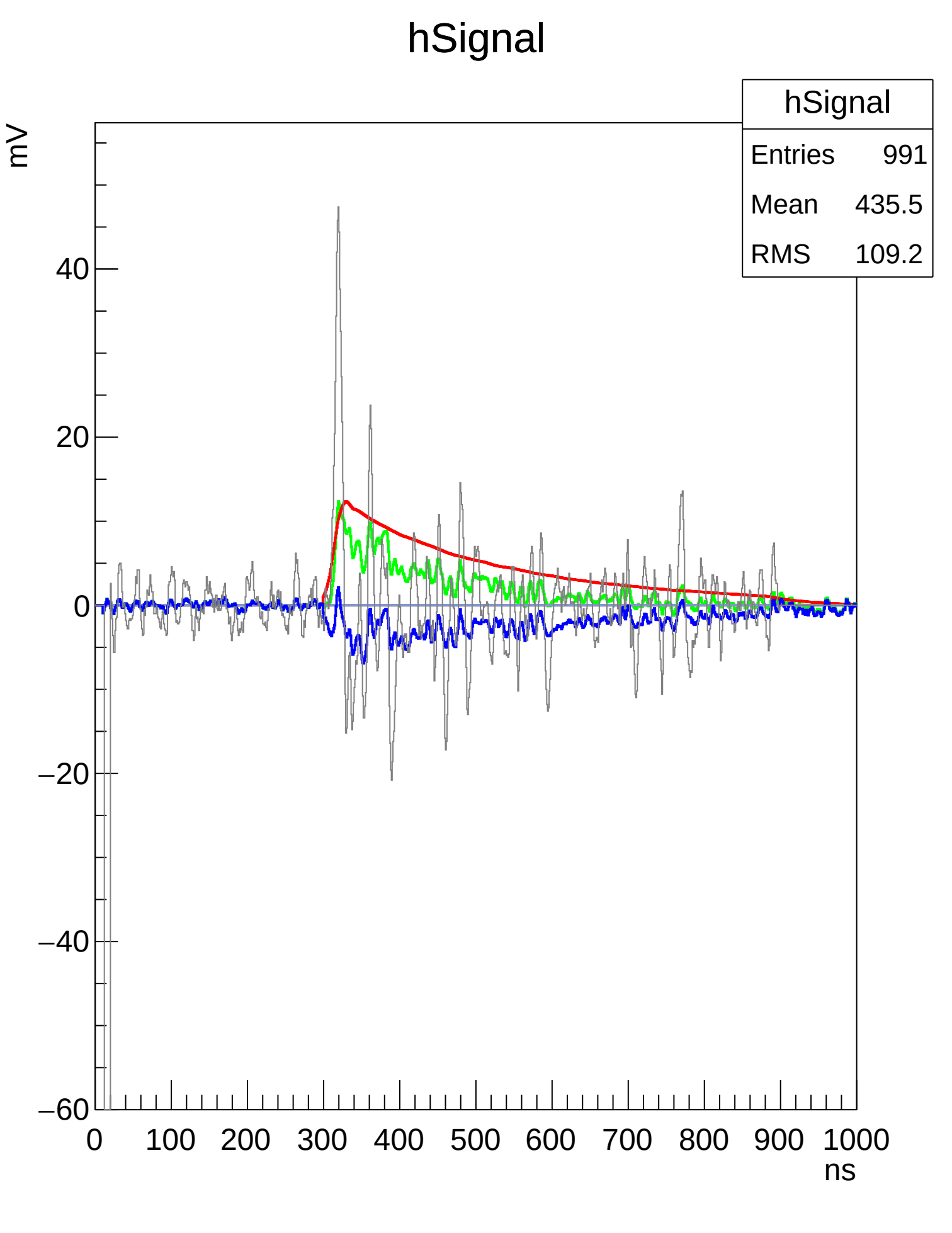
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 435.5
RMS 109.2
mV
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−20
−40
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0
100
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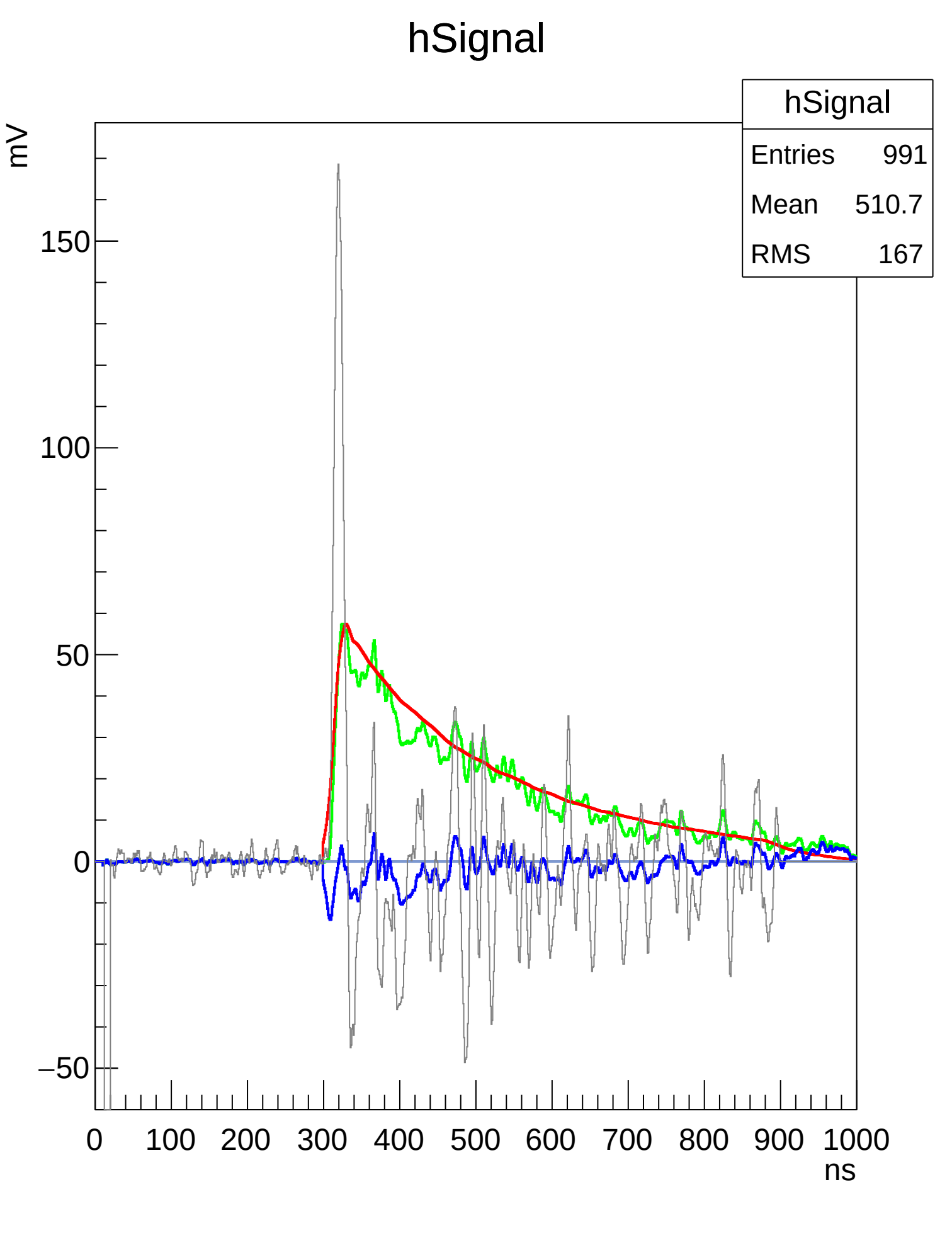
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.7
RMS 167
mV
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100
50
0
−50
0
100
200
300
400
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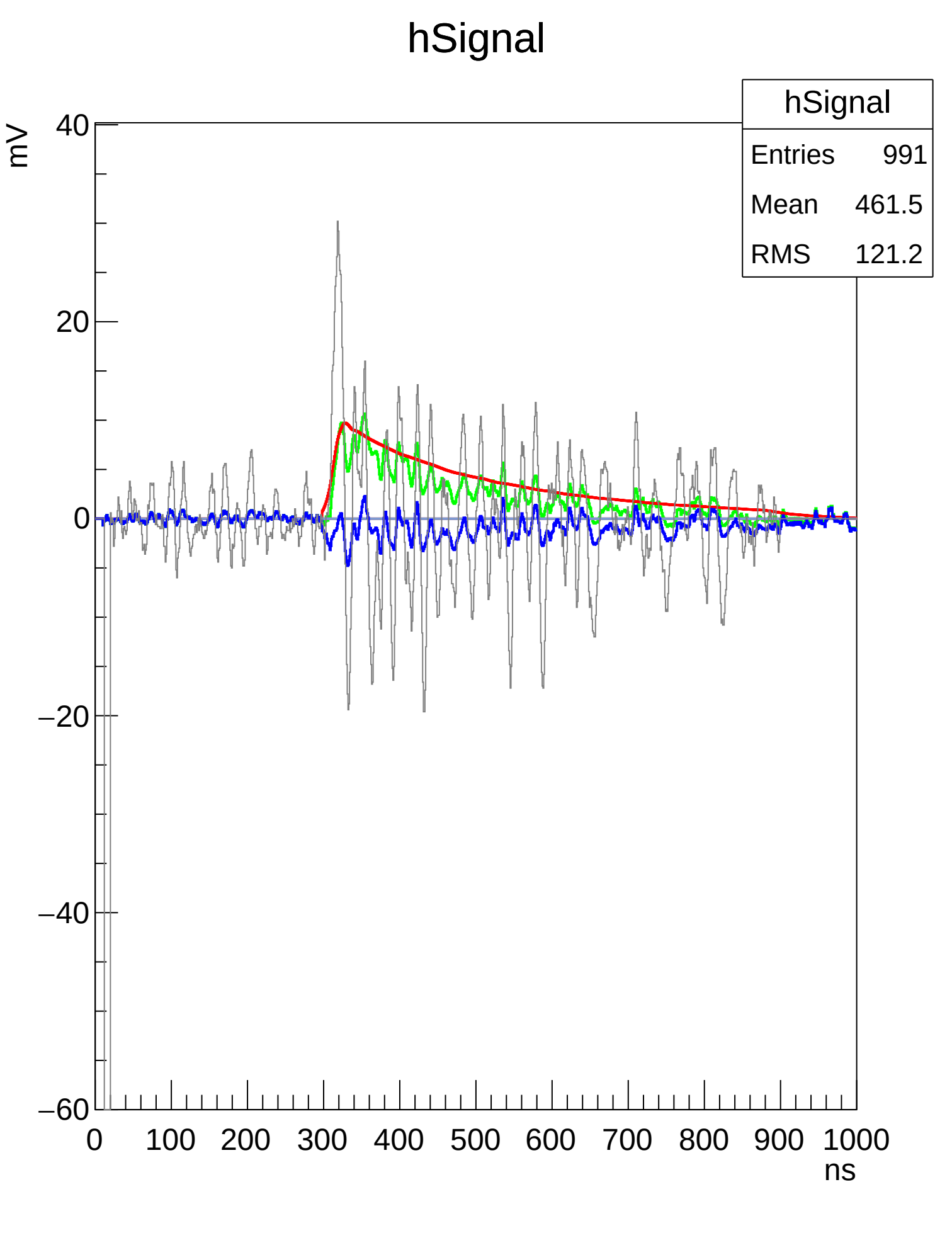
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 461.5
RMS 121.2
mV
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−20
−40
−60
0
100
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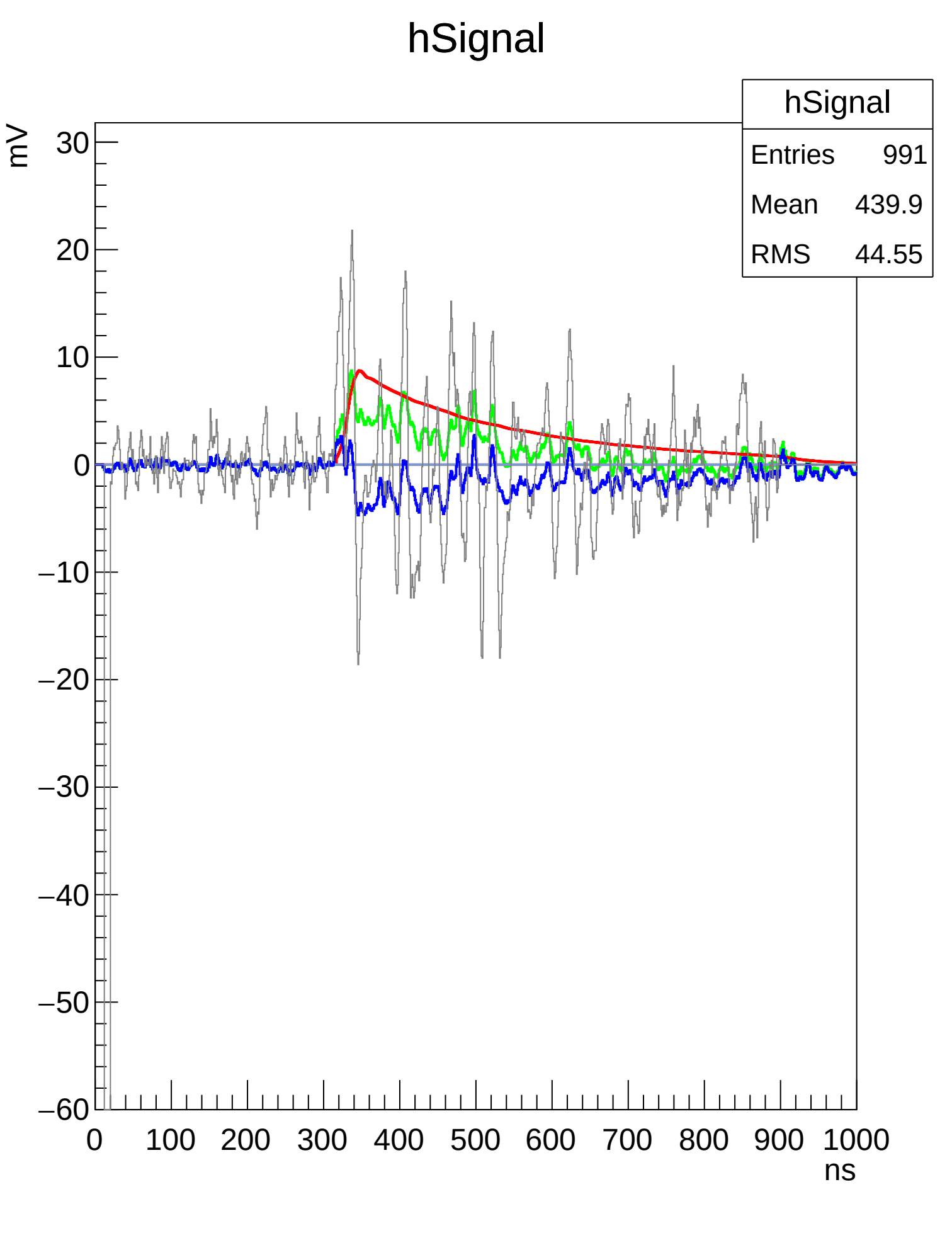
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 439.9
RMS 44.55
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
300
400
500
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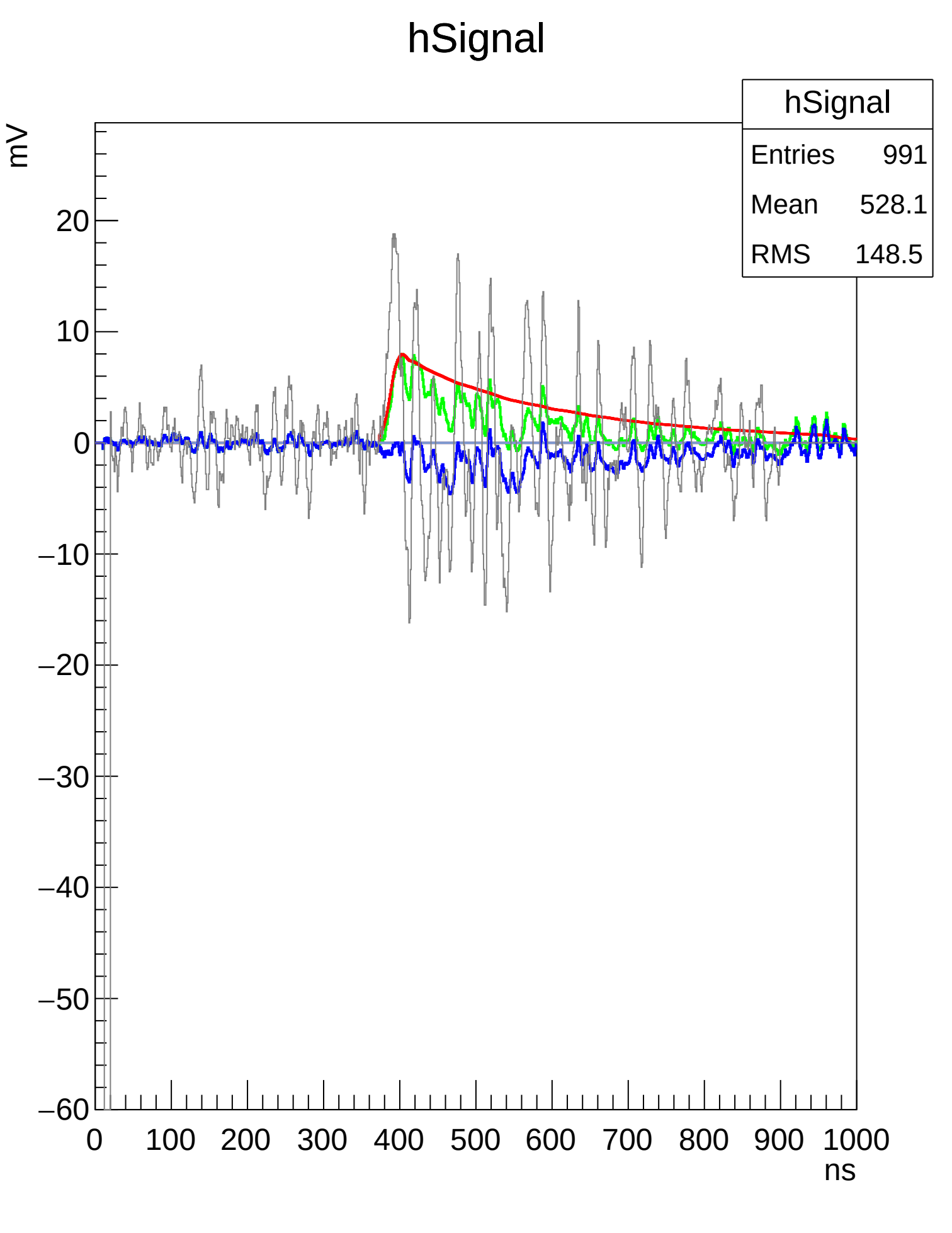
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.1
RMS 148.5
mV
20
10
0
−10
−20
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−40
−50
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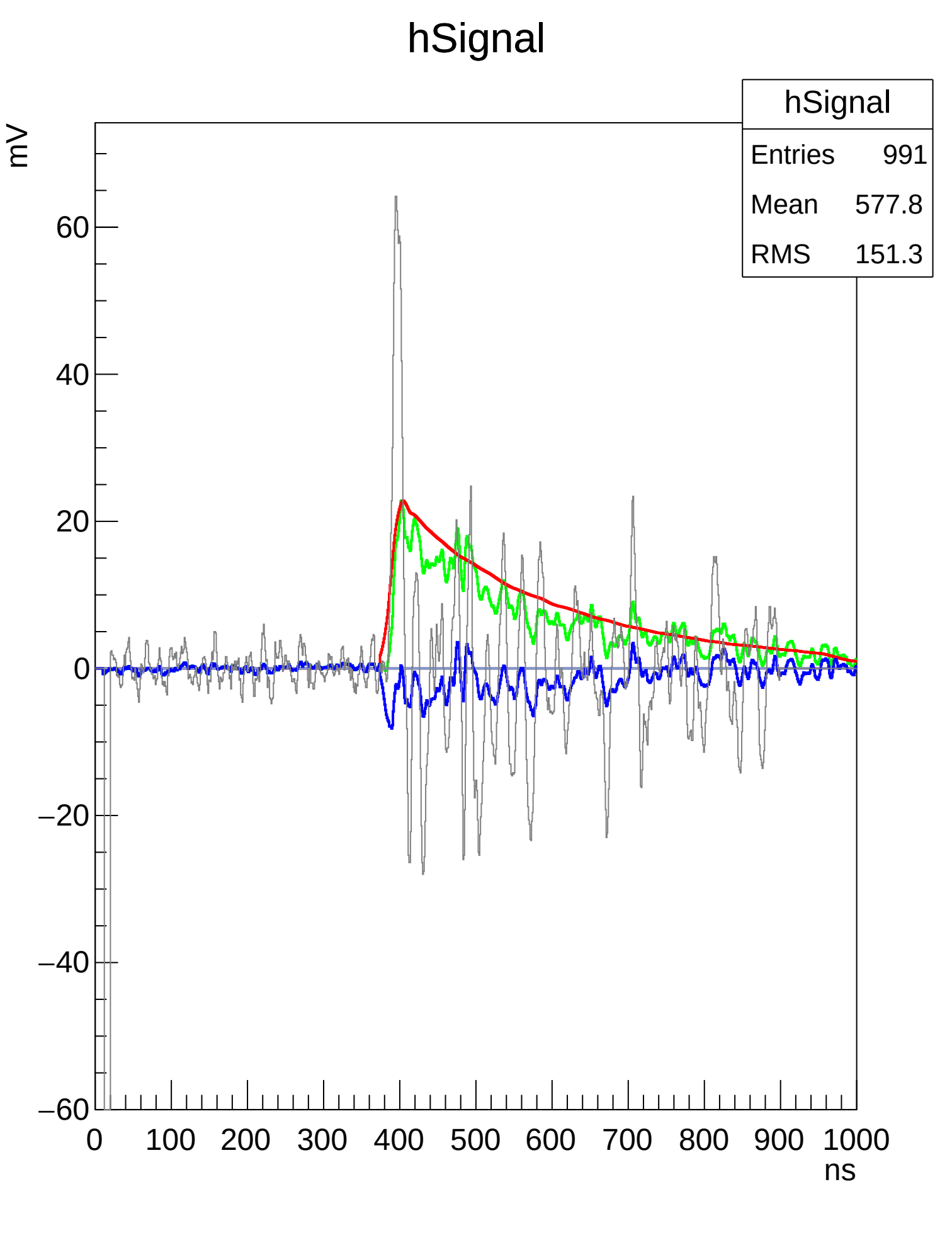
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 151.3
mV
60
40
20
0
−20
−40
−60
0
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200
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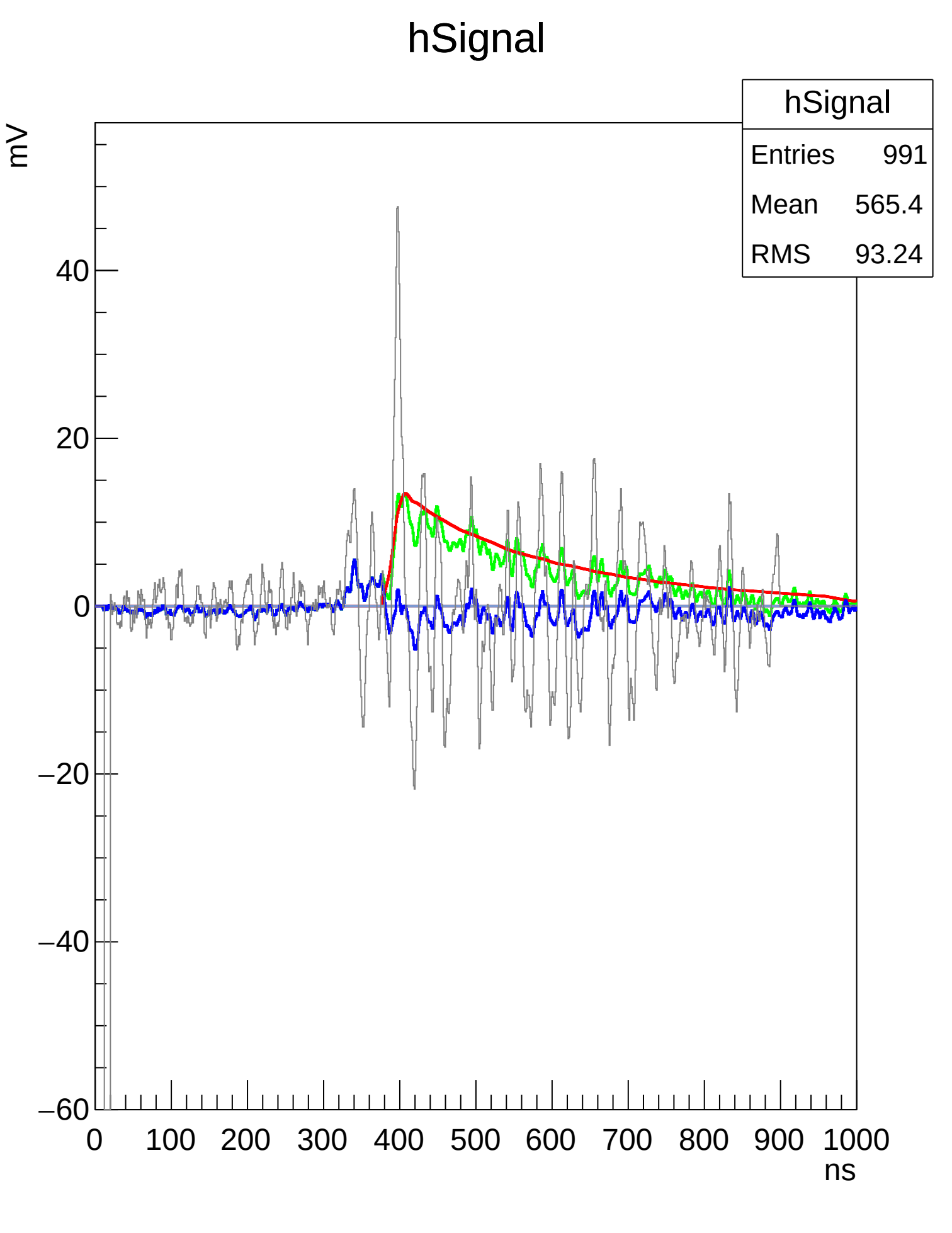
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.4
RMS 93.24
mV
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−20
−40
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0
100
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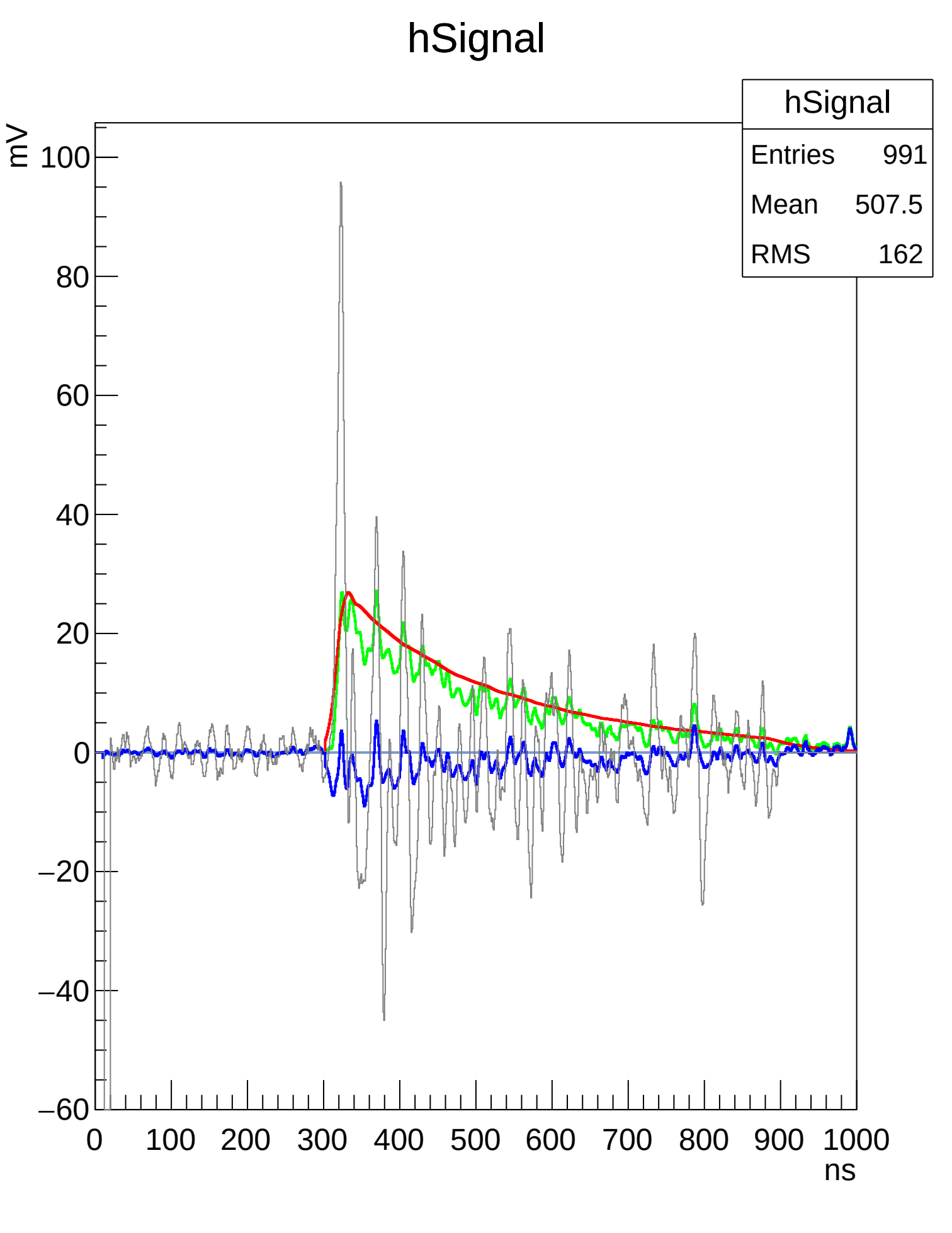
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.5
RMS 162
mV
100
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40
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−60
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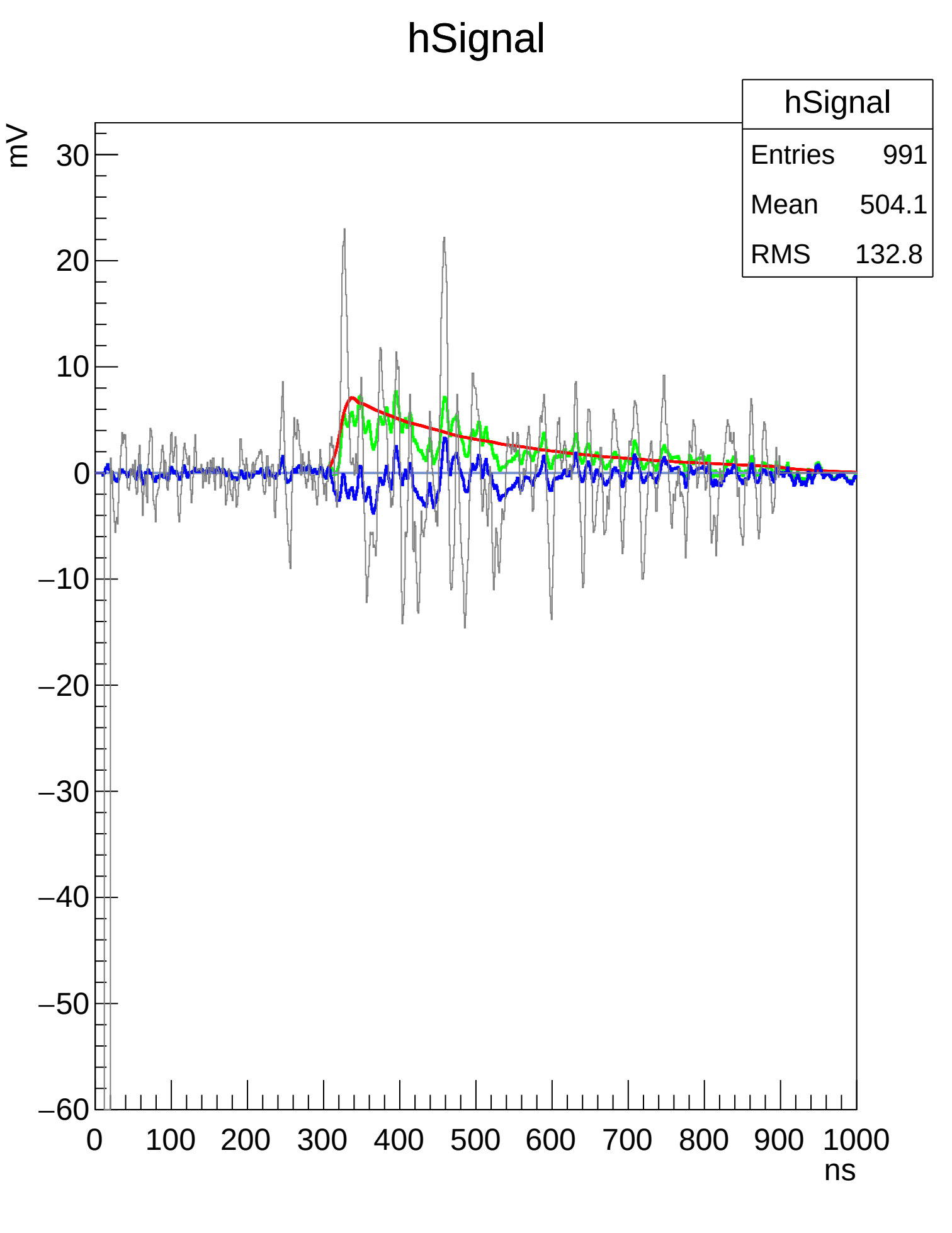
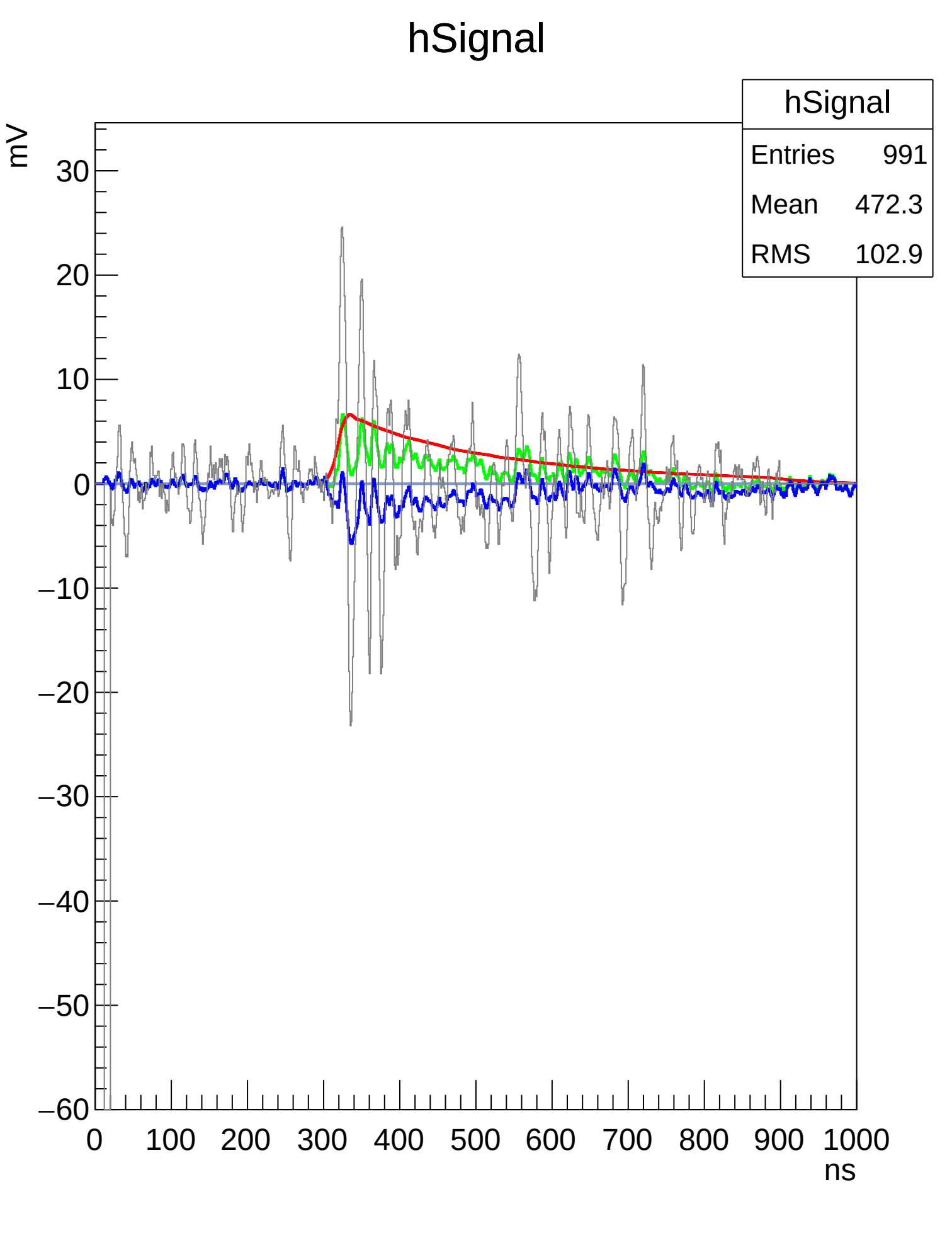
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.1
RMS 132.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 472.3
RMS 102.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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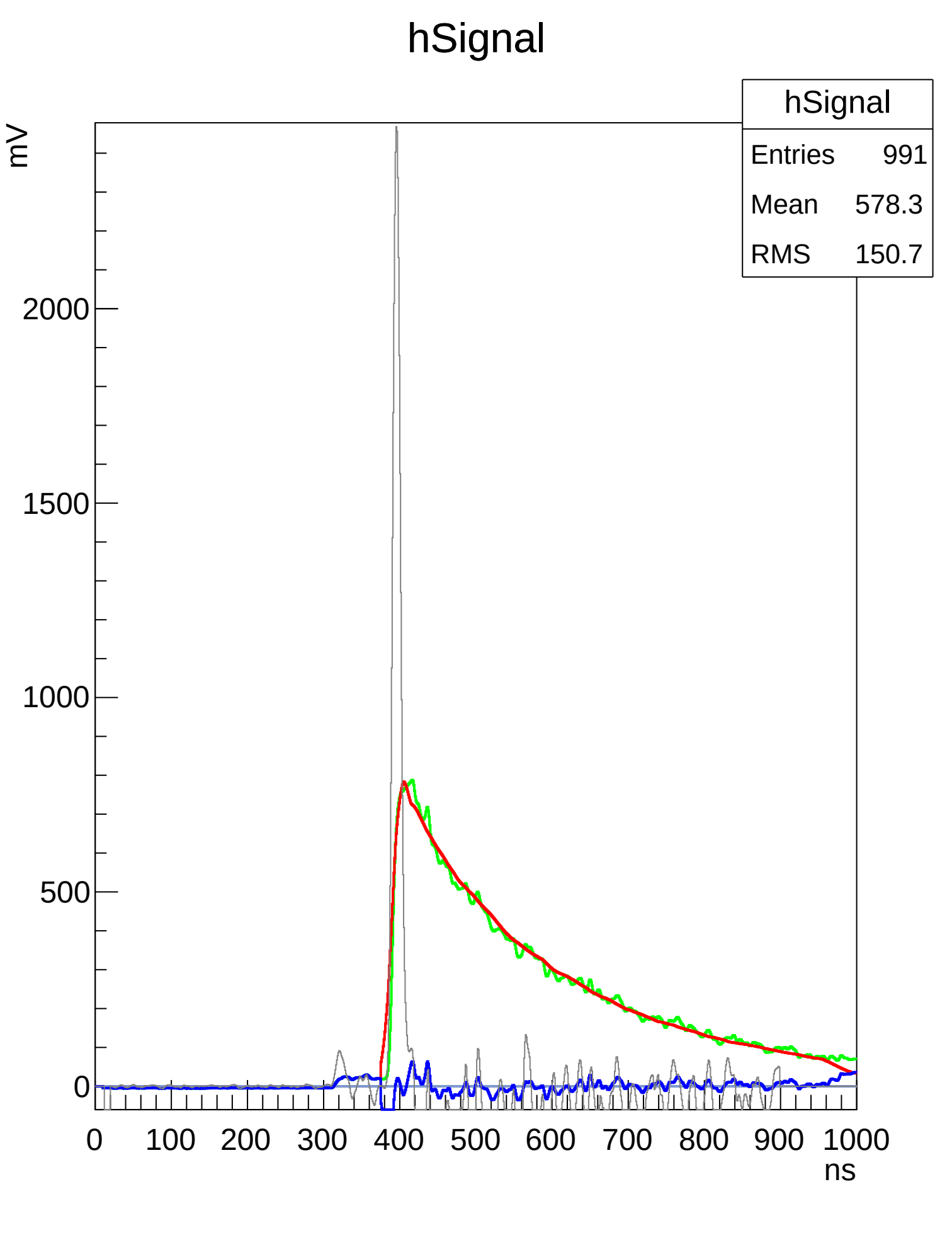
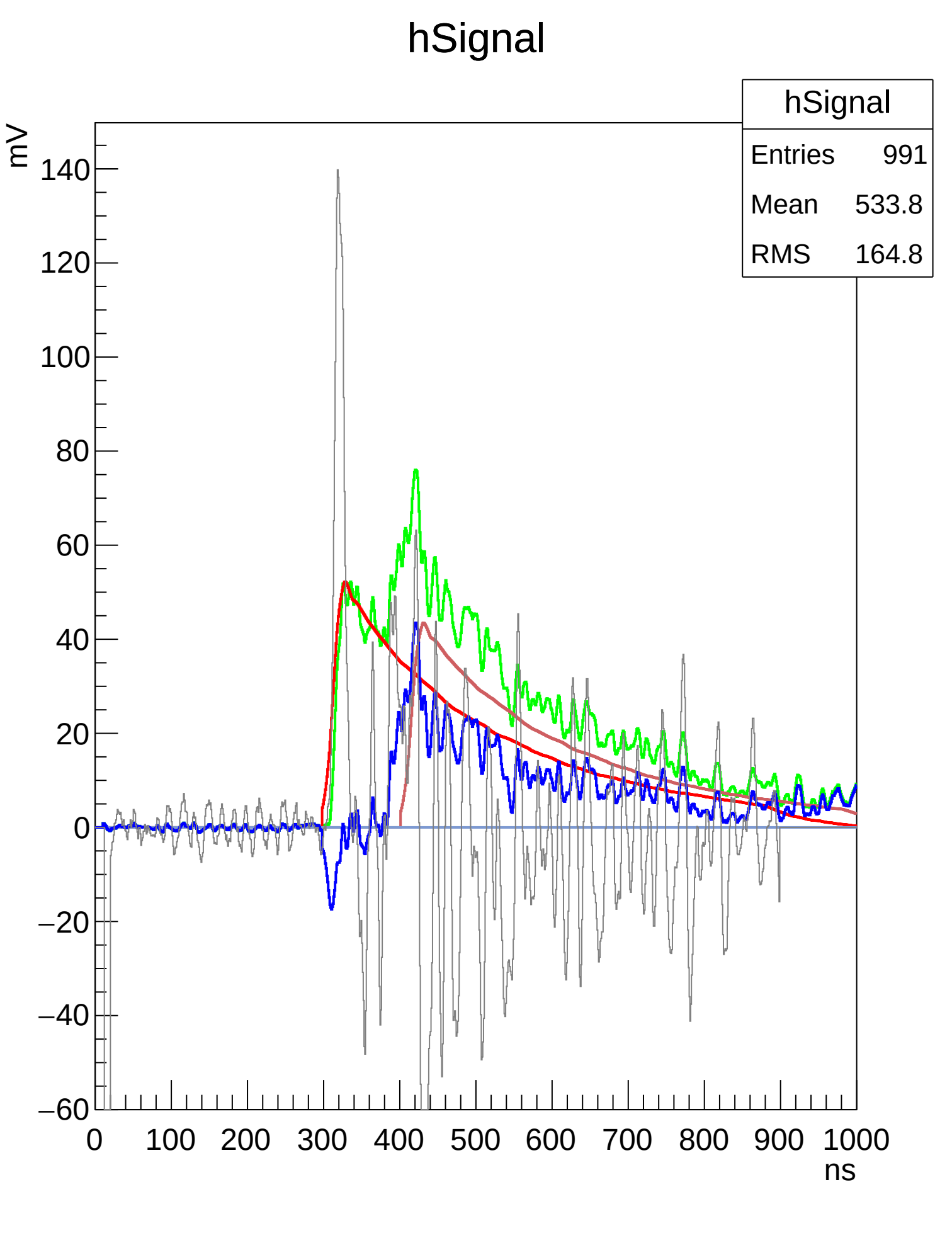
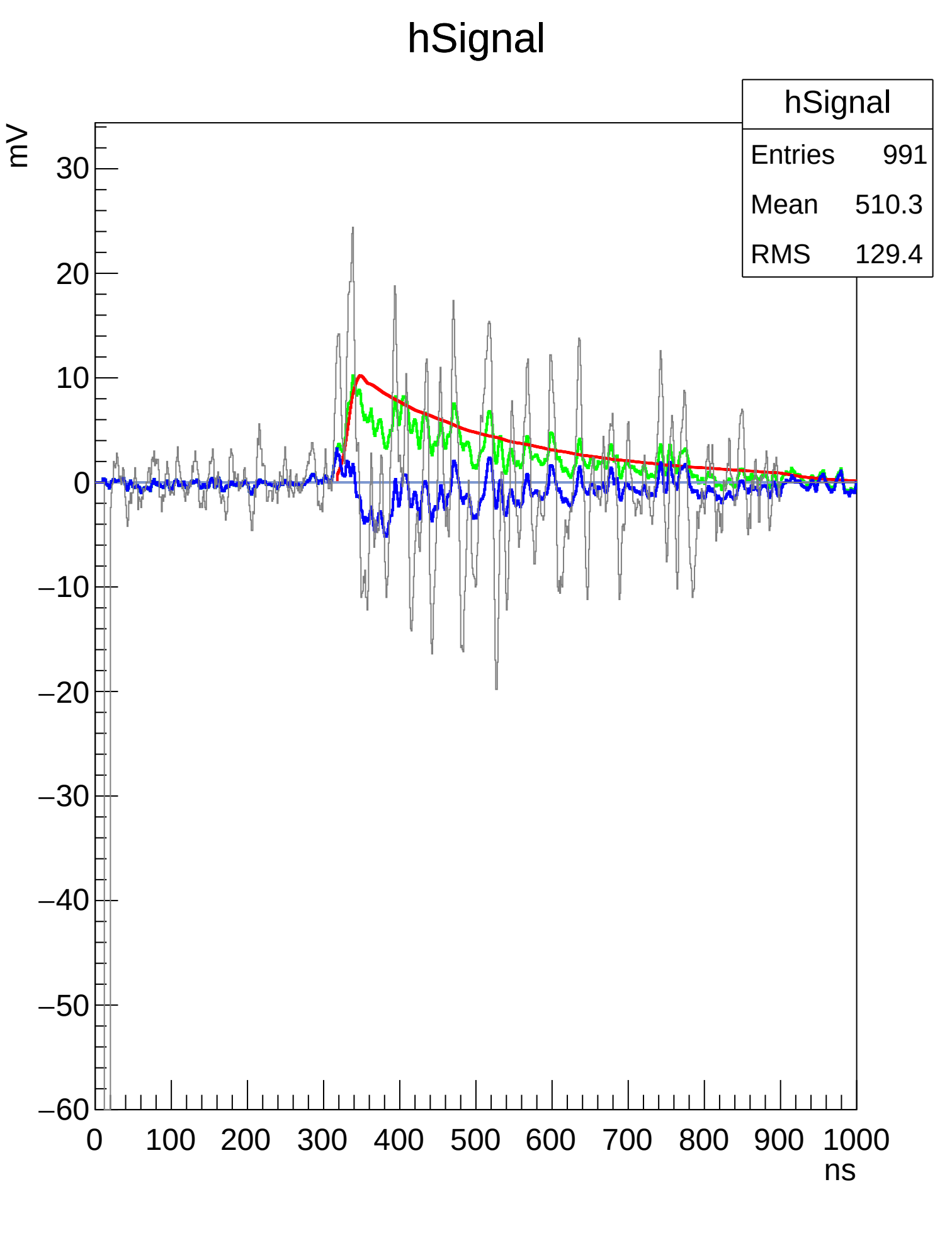
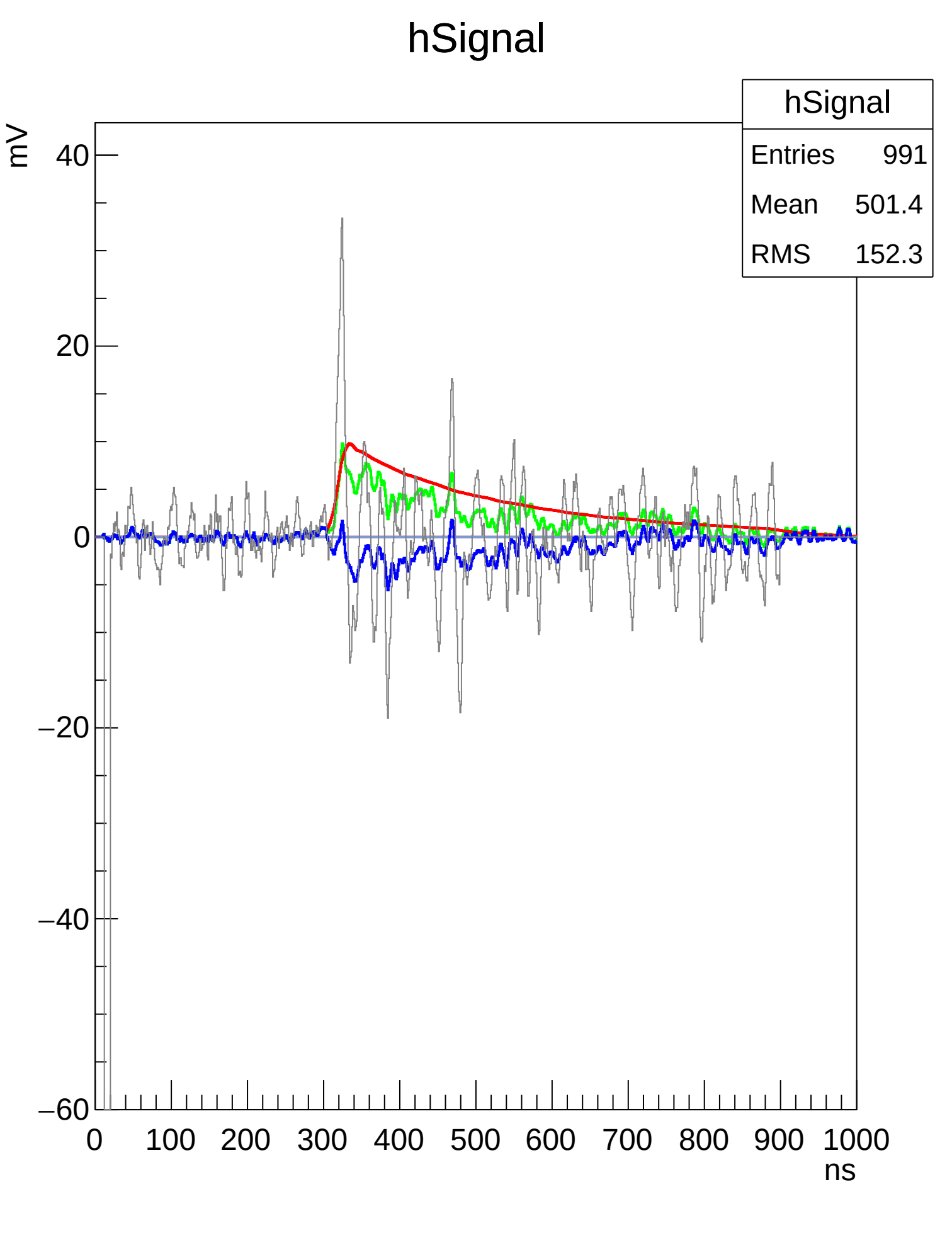
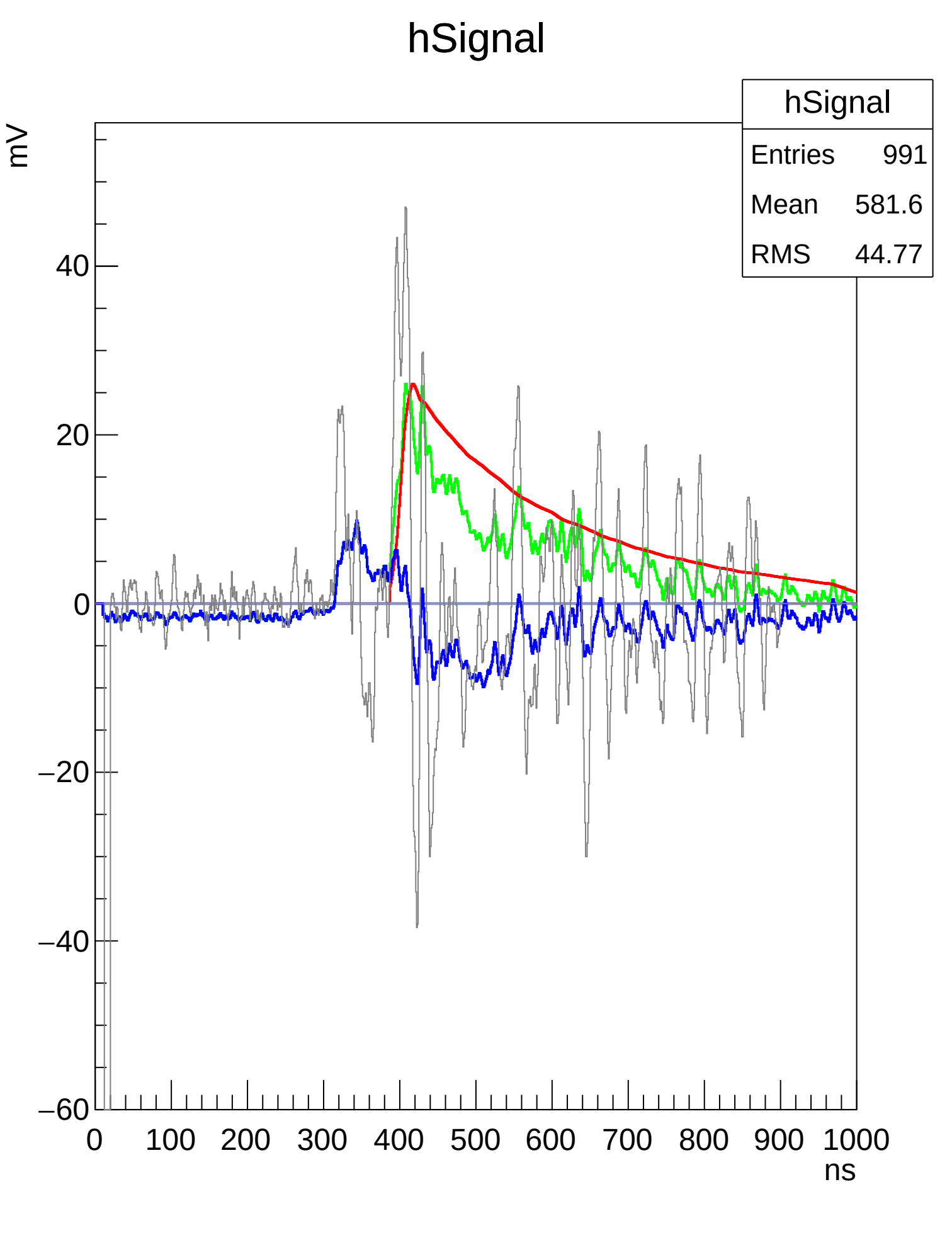
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 150.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.8
RMS 164.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.3
RMS 129.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.4
RMS 152.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.6
RMS 44.77
mV
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20
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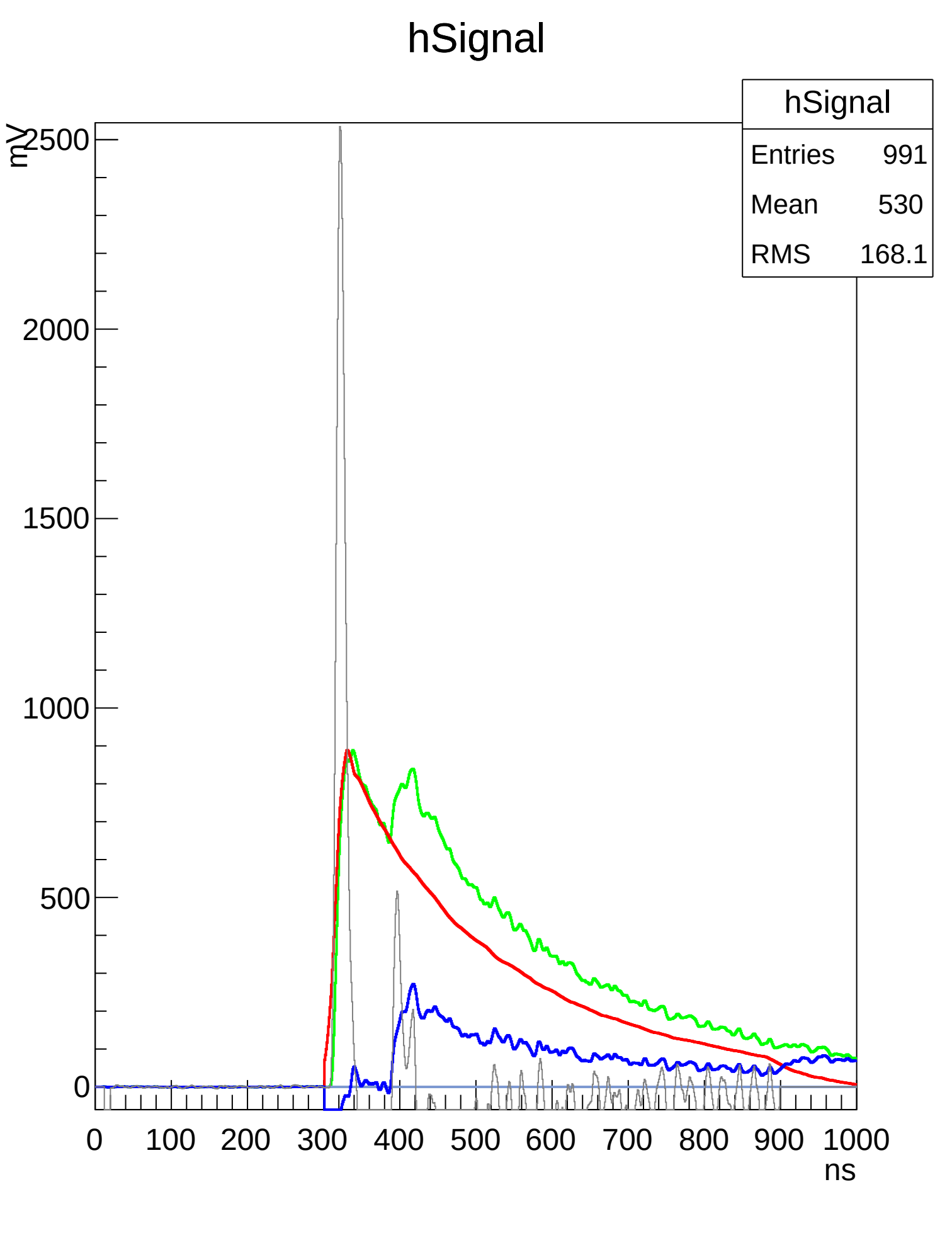
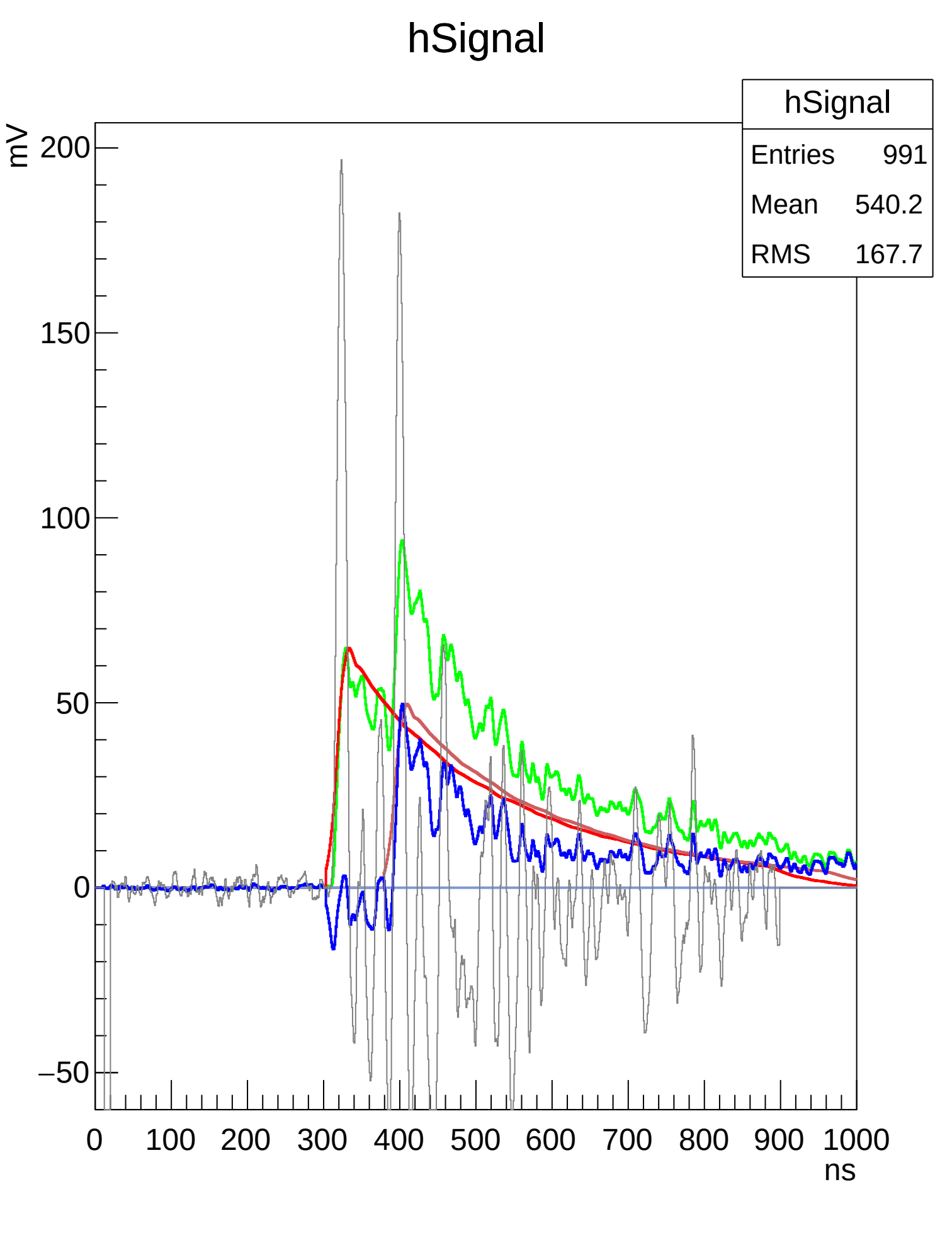
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530
RMS 168.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 540.2
RMS 167.7
mV
200
150
100
50
0
−50
0
100
200
300
400
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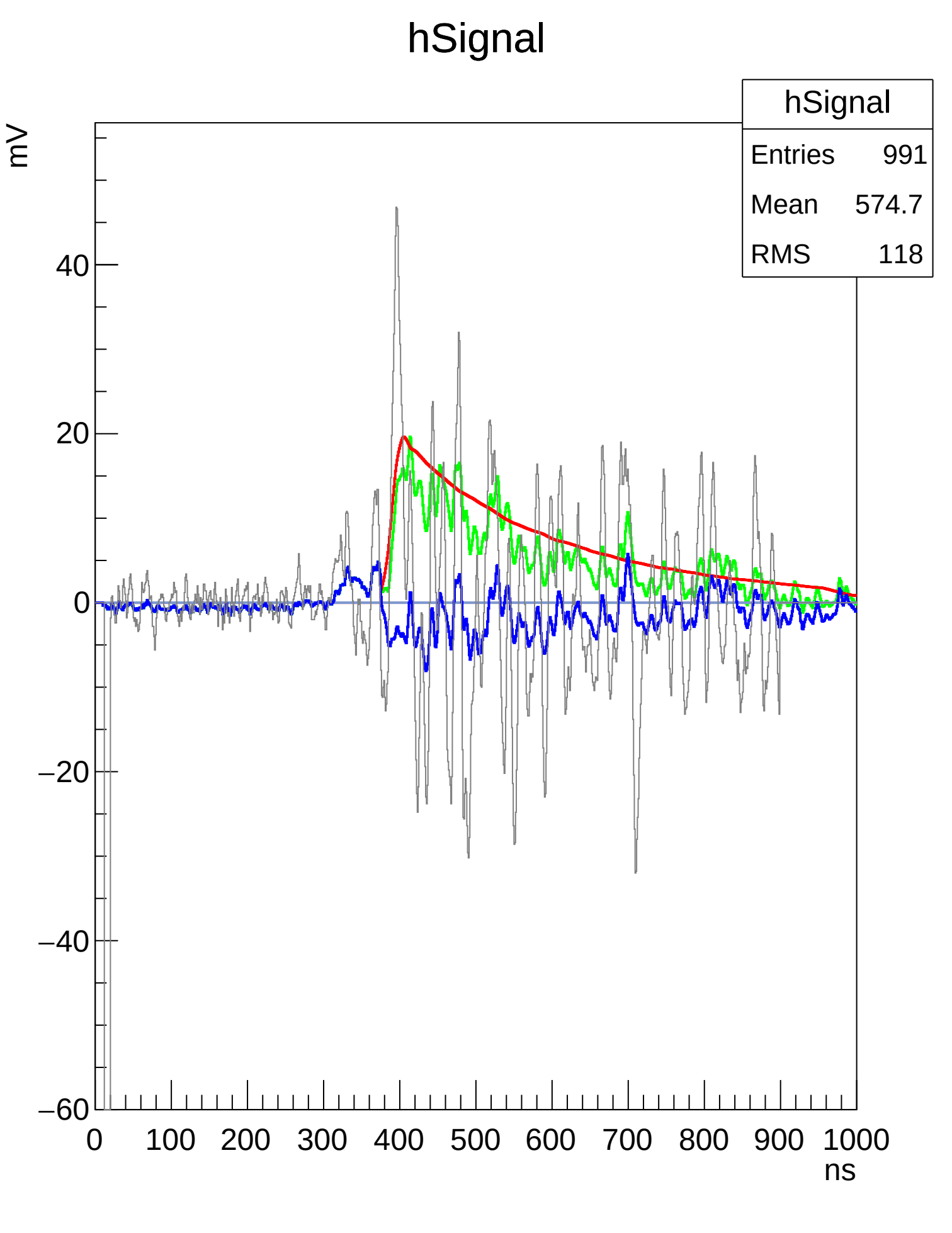
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.7
RMS 118
mV
40
20
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−20
−40
−60
0
100
200
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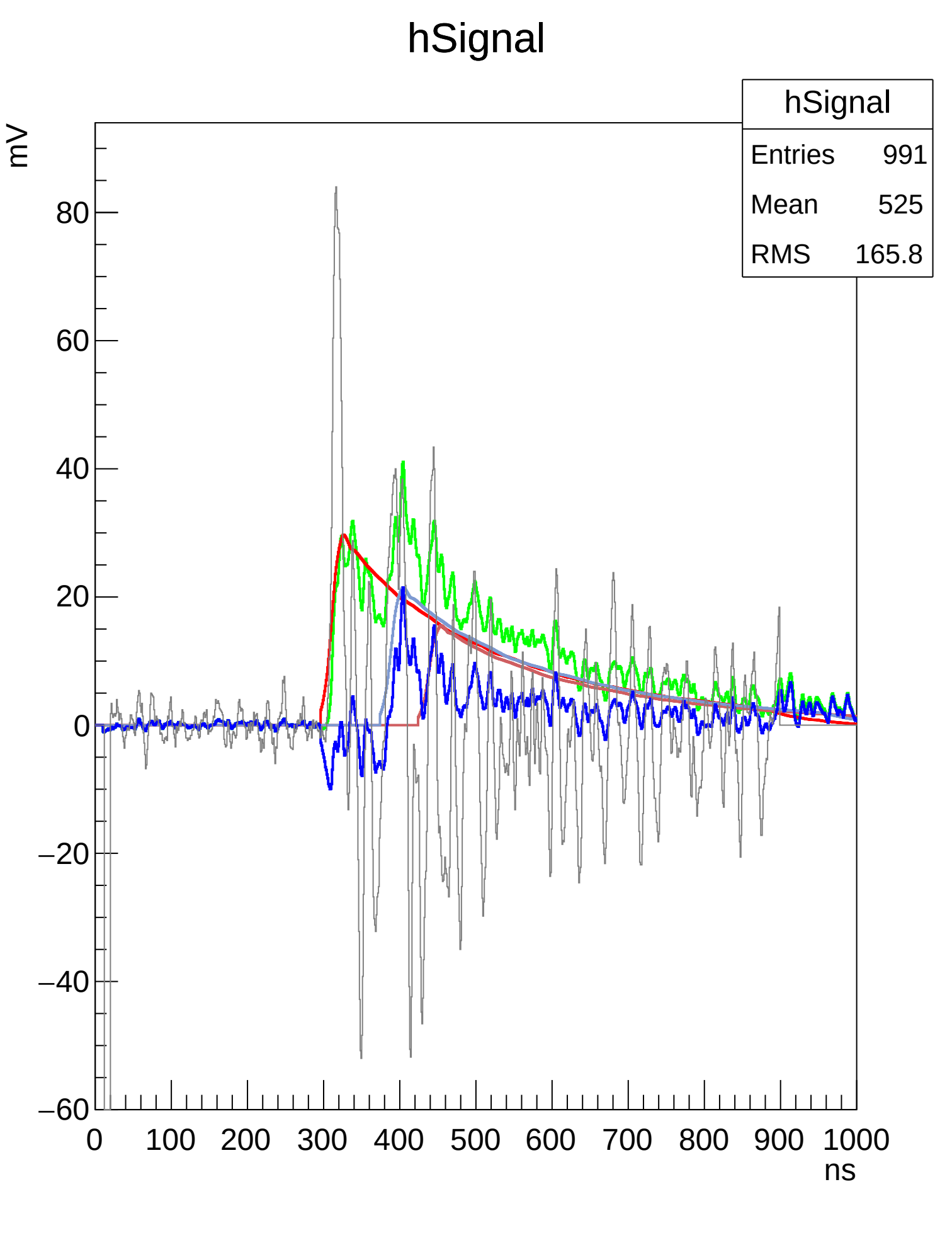
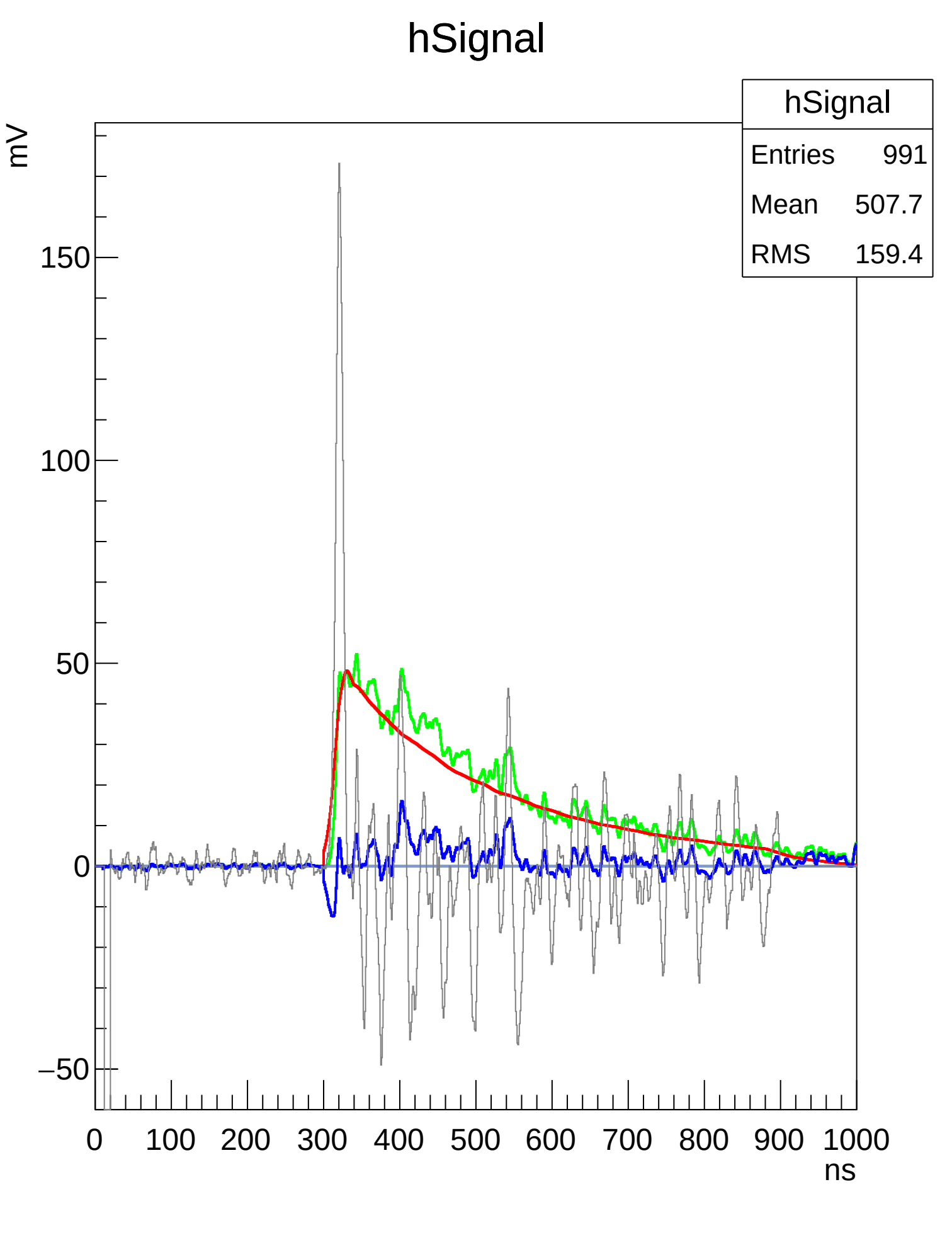
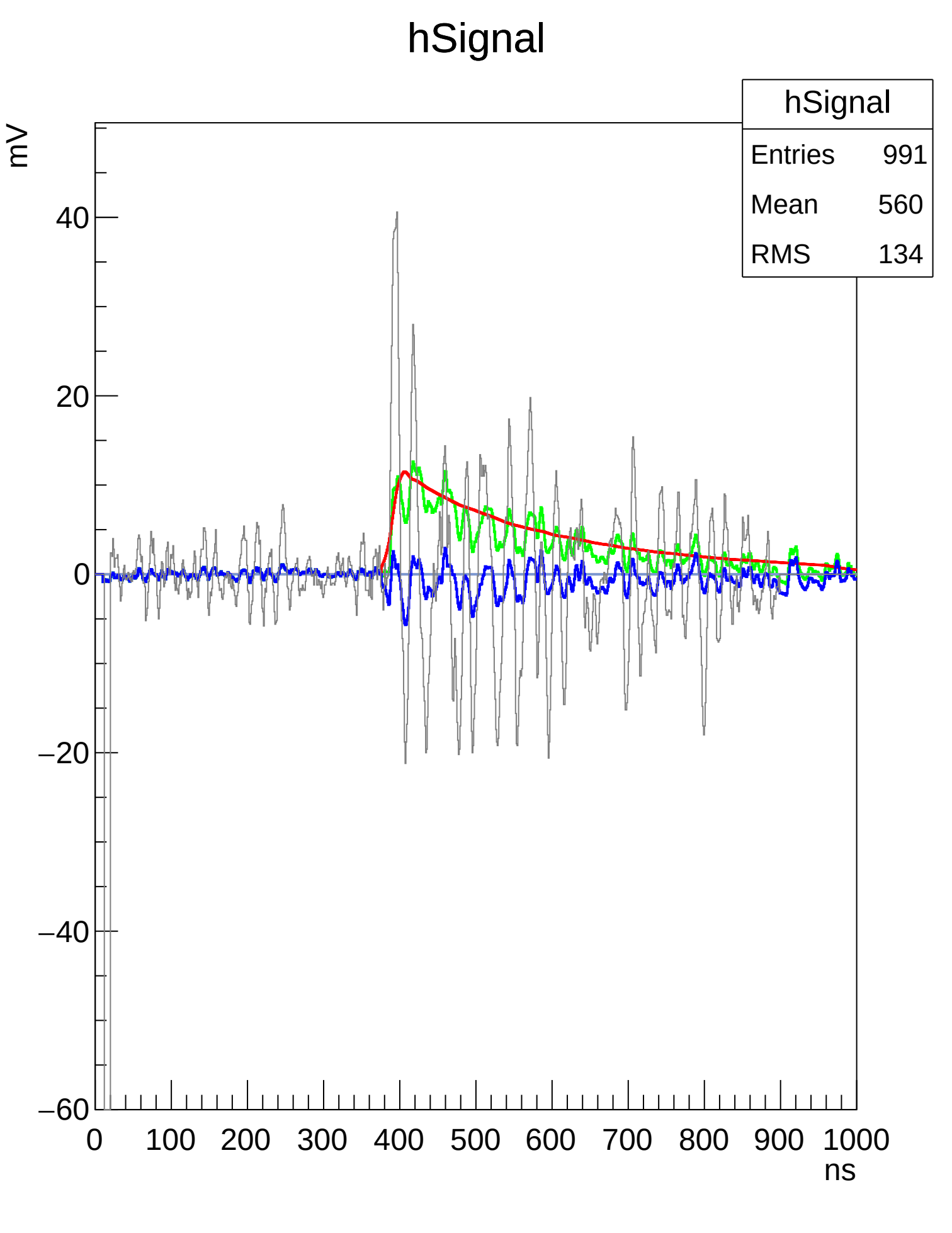
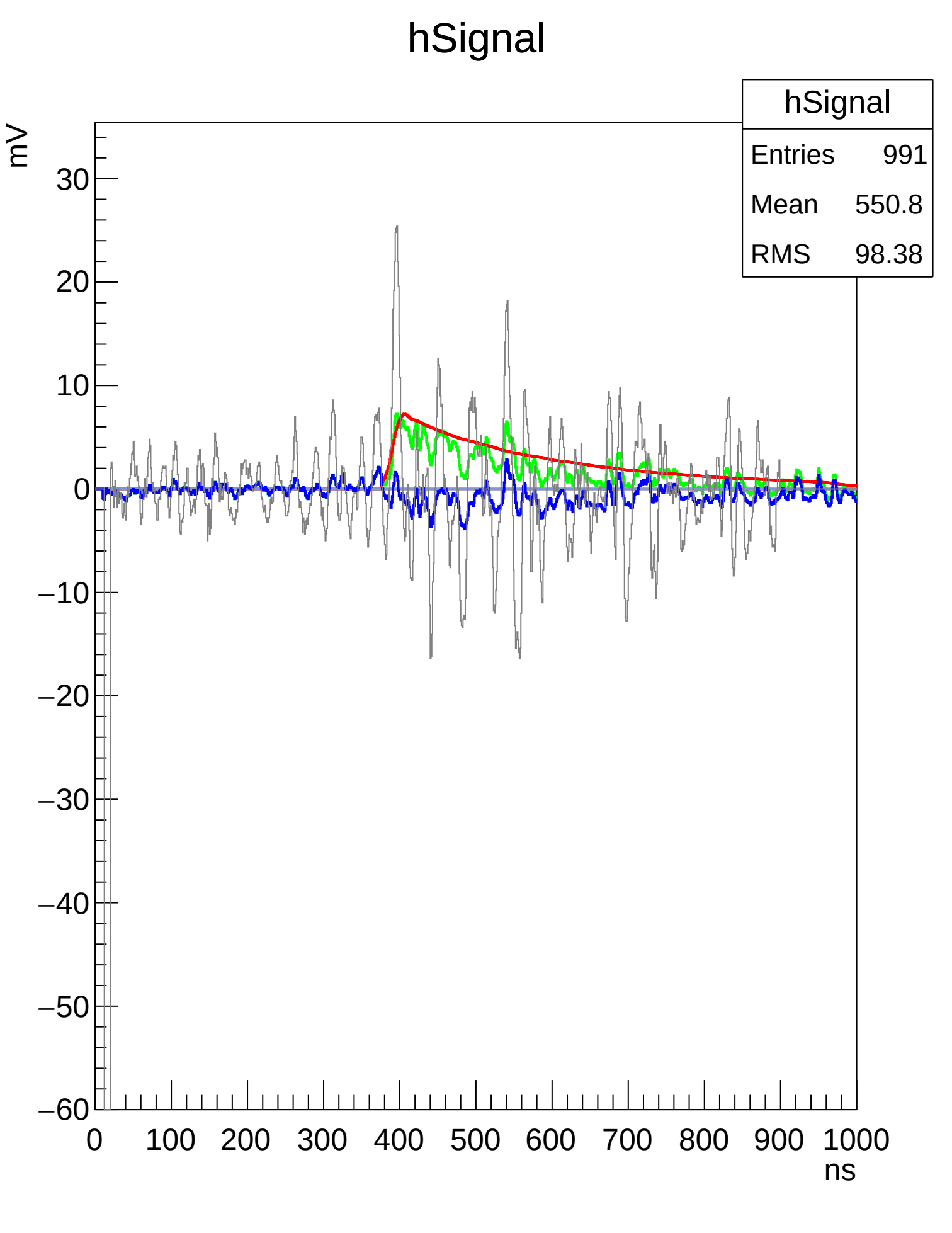
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525
RMS 165.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.7
RMS 159.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560
RMS 134
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.8
RMS 98.38
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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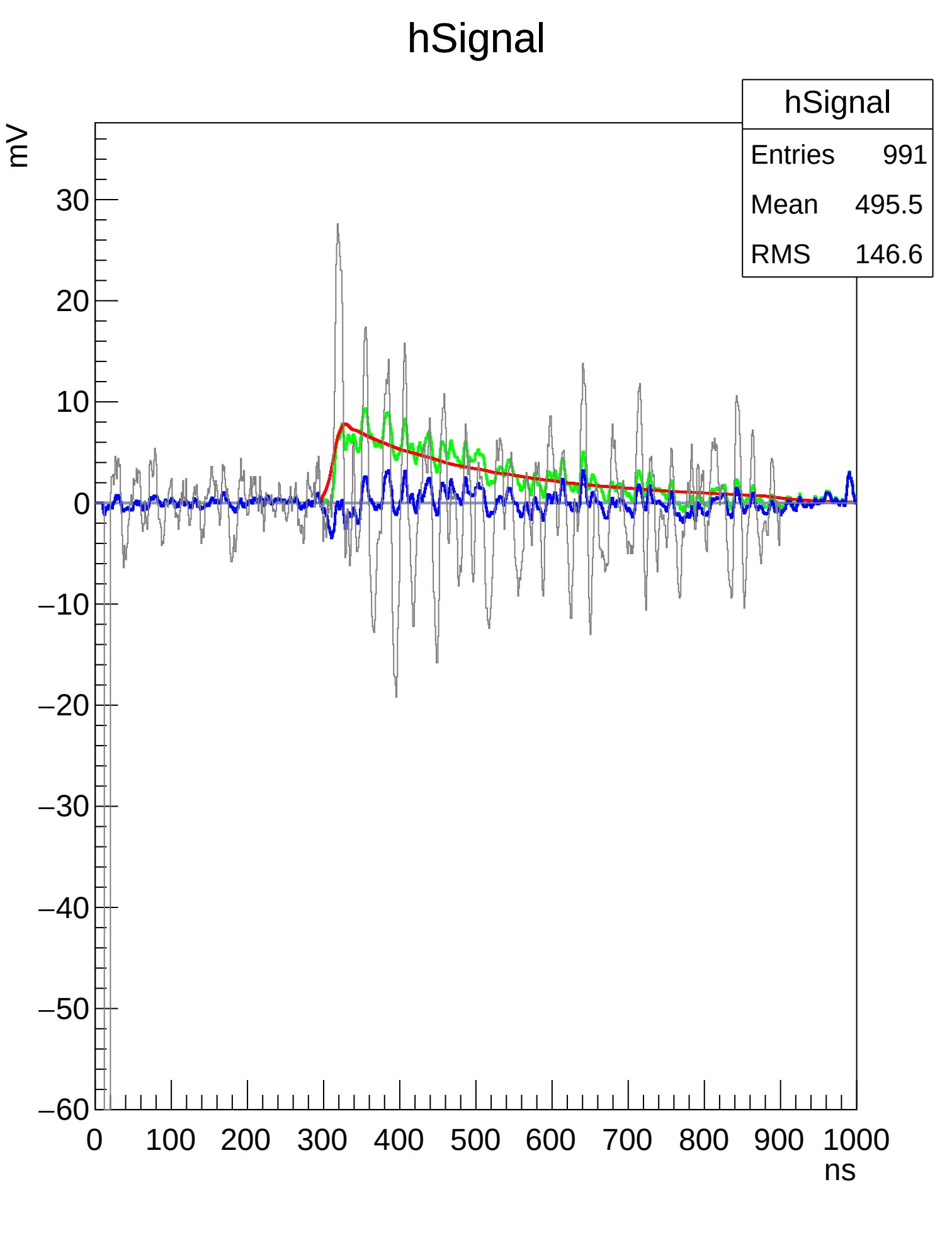
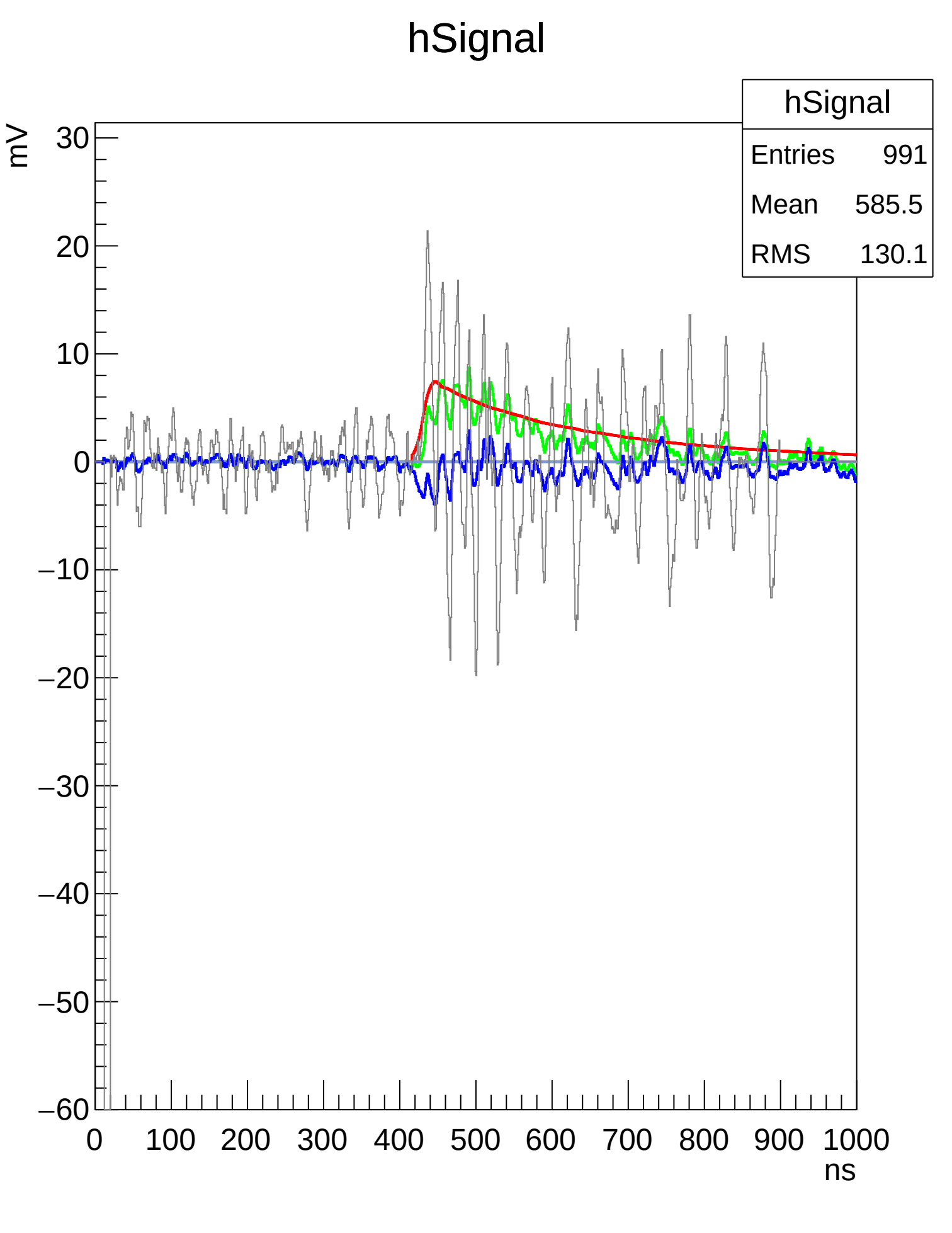
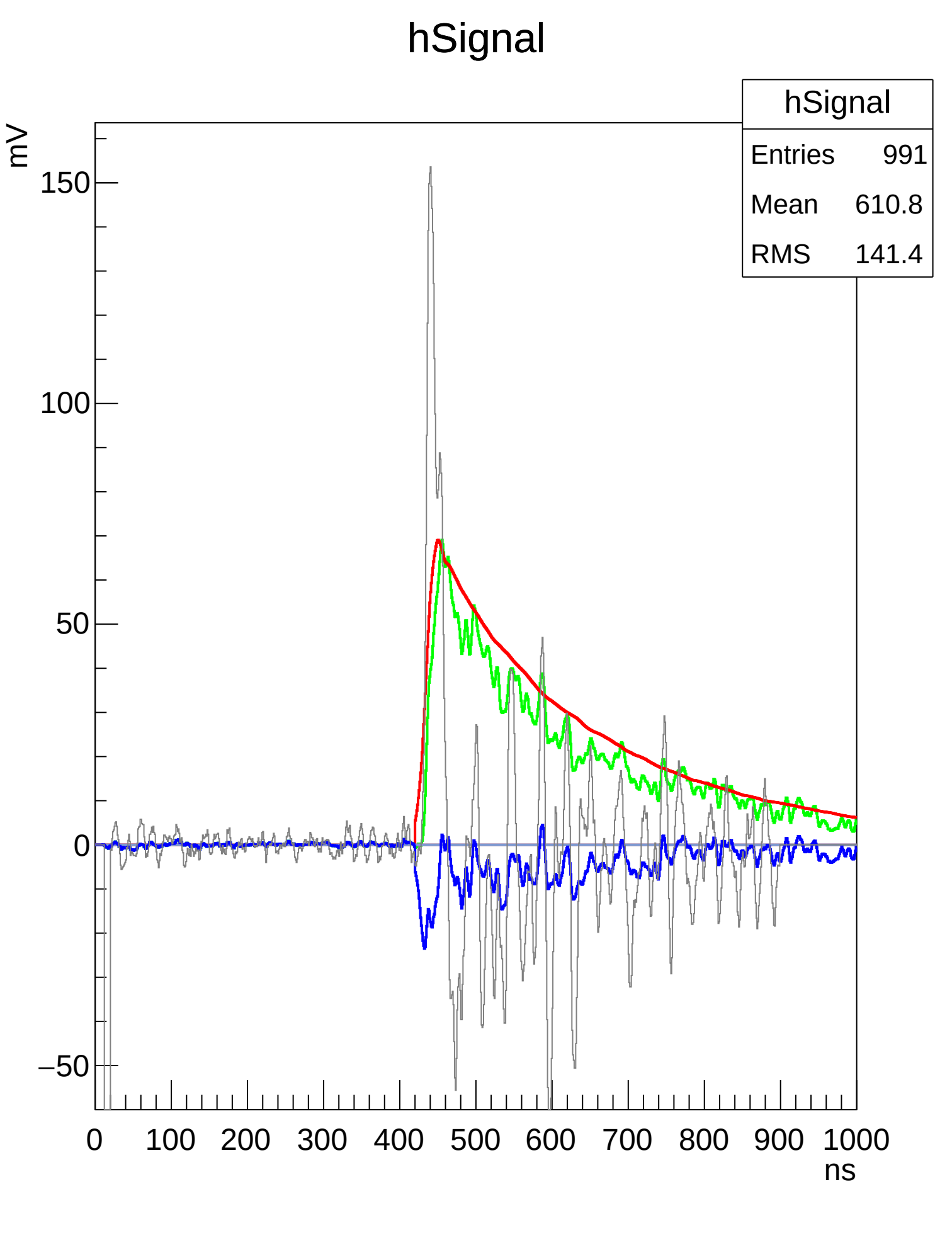
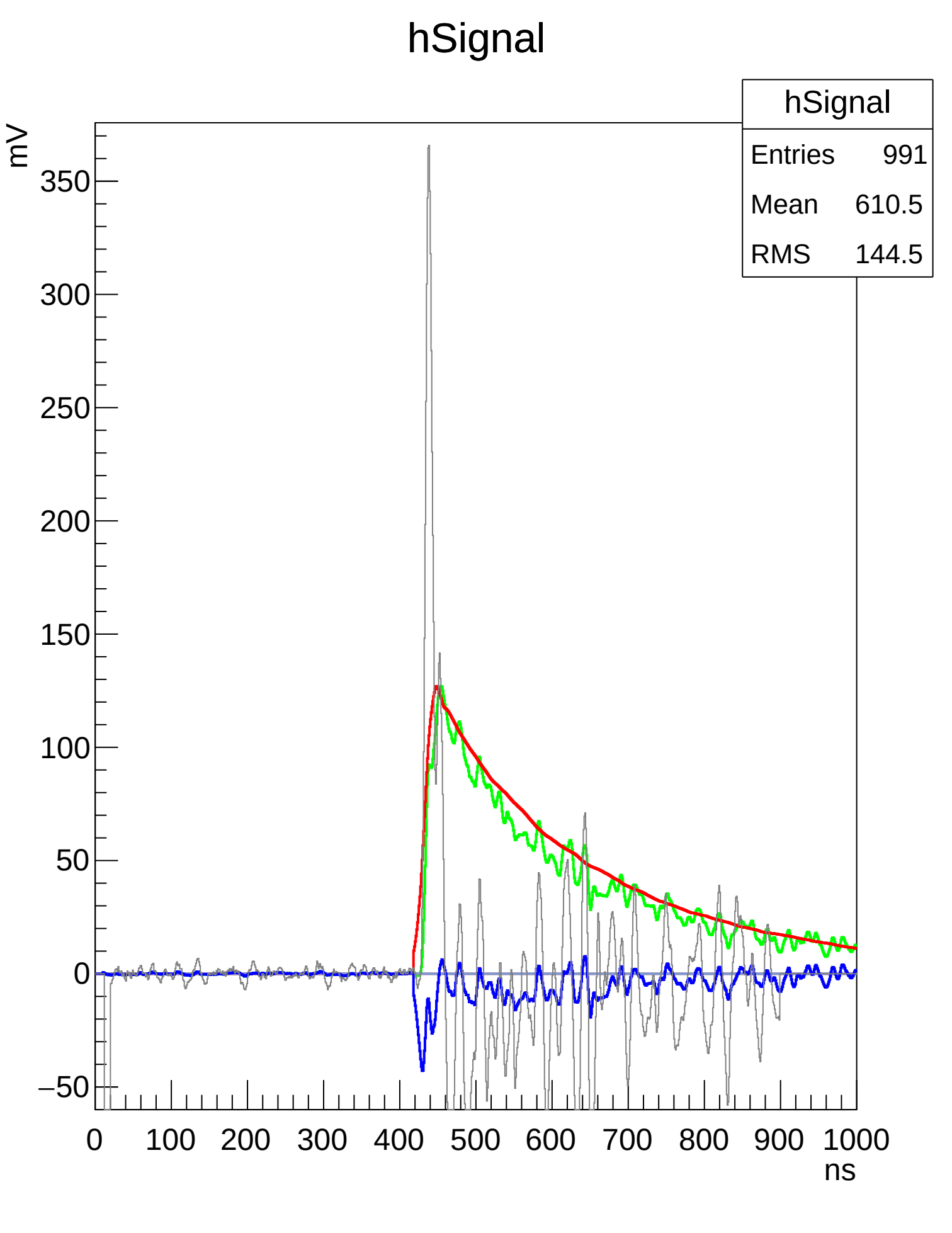
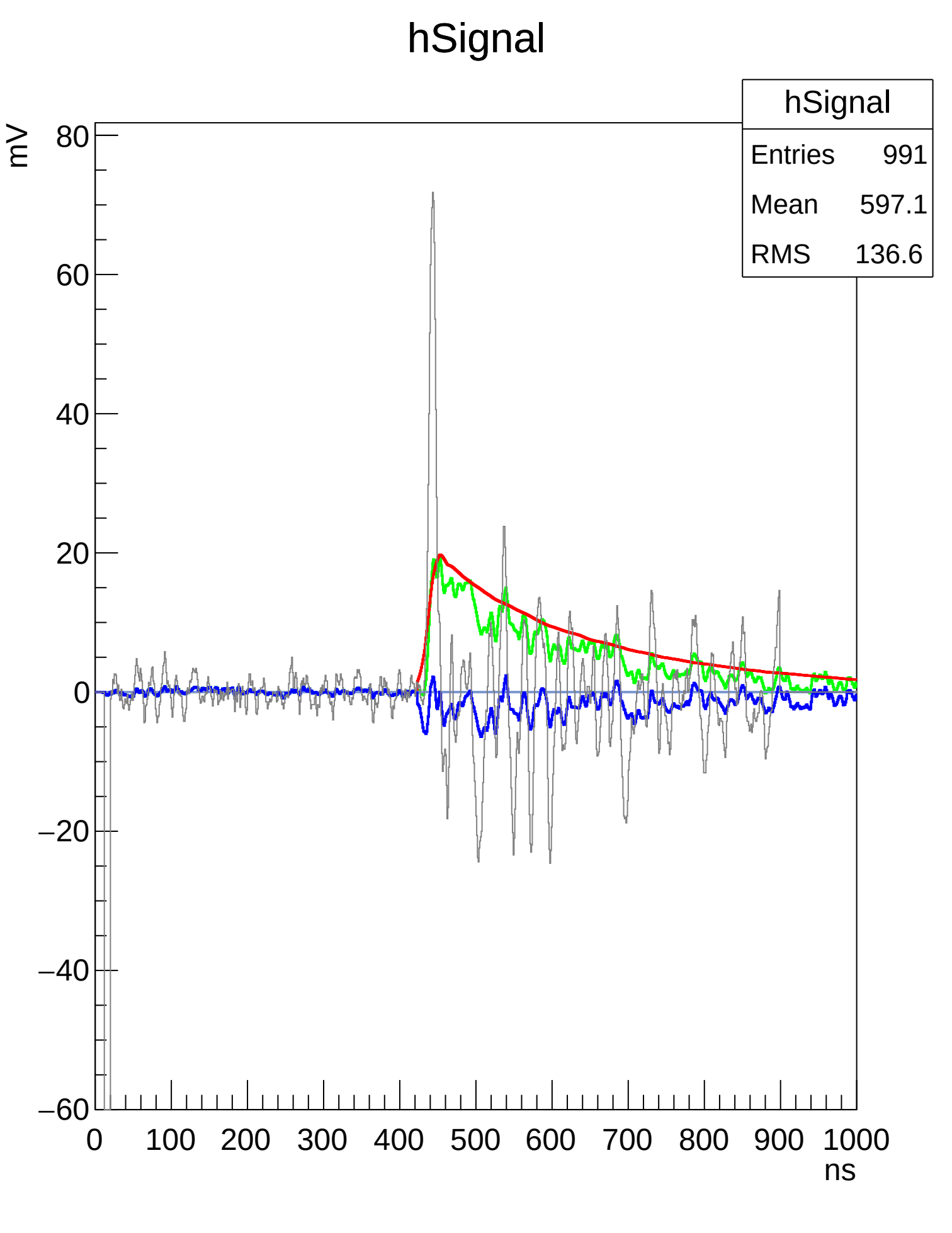
400
500
600
700
800
900
1000
ns

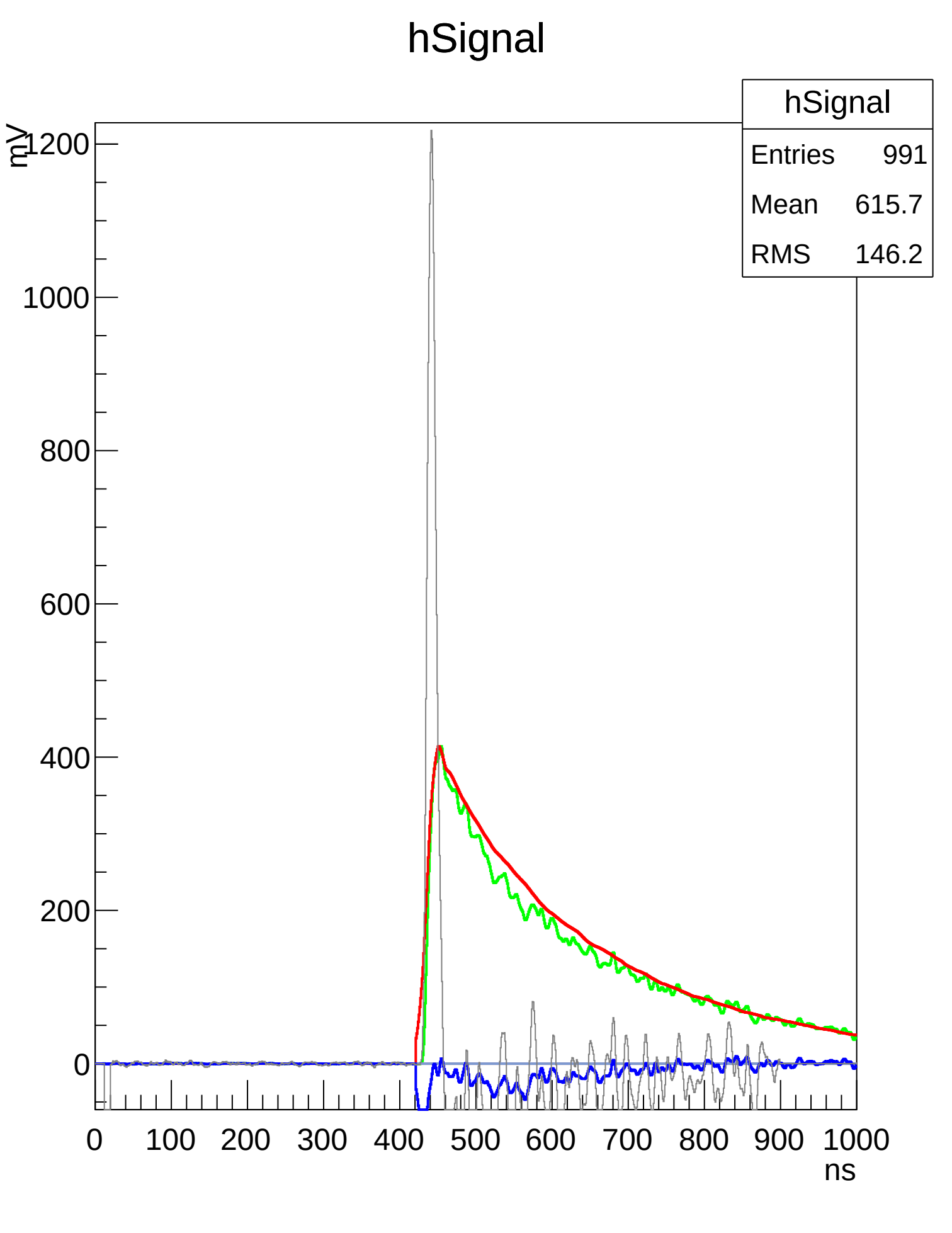

hSignal
hSignal
Entries 991
Mean 495.5
RMS 146.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

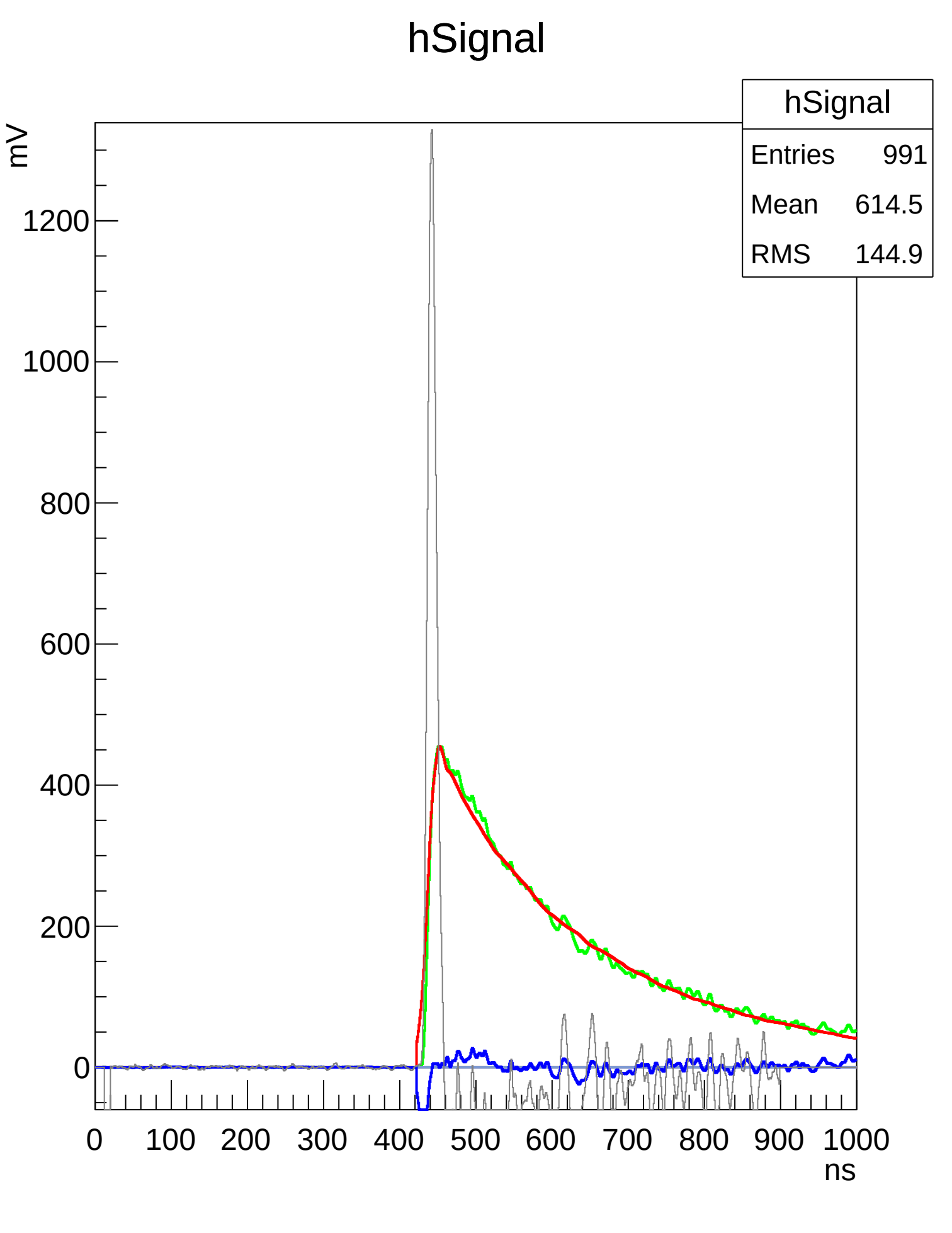

hSignal
hSignal
Entries 991
Mean 585.5
RMS 130.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

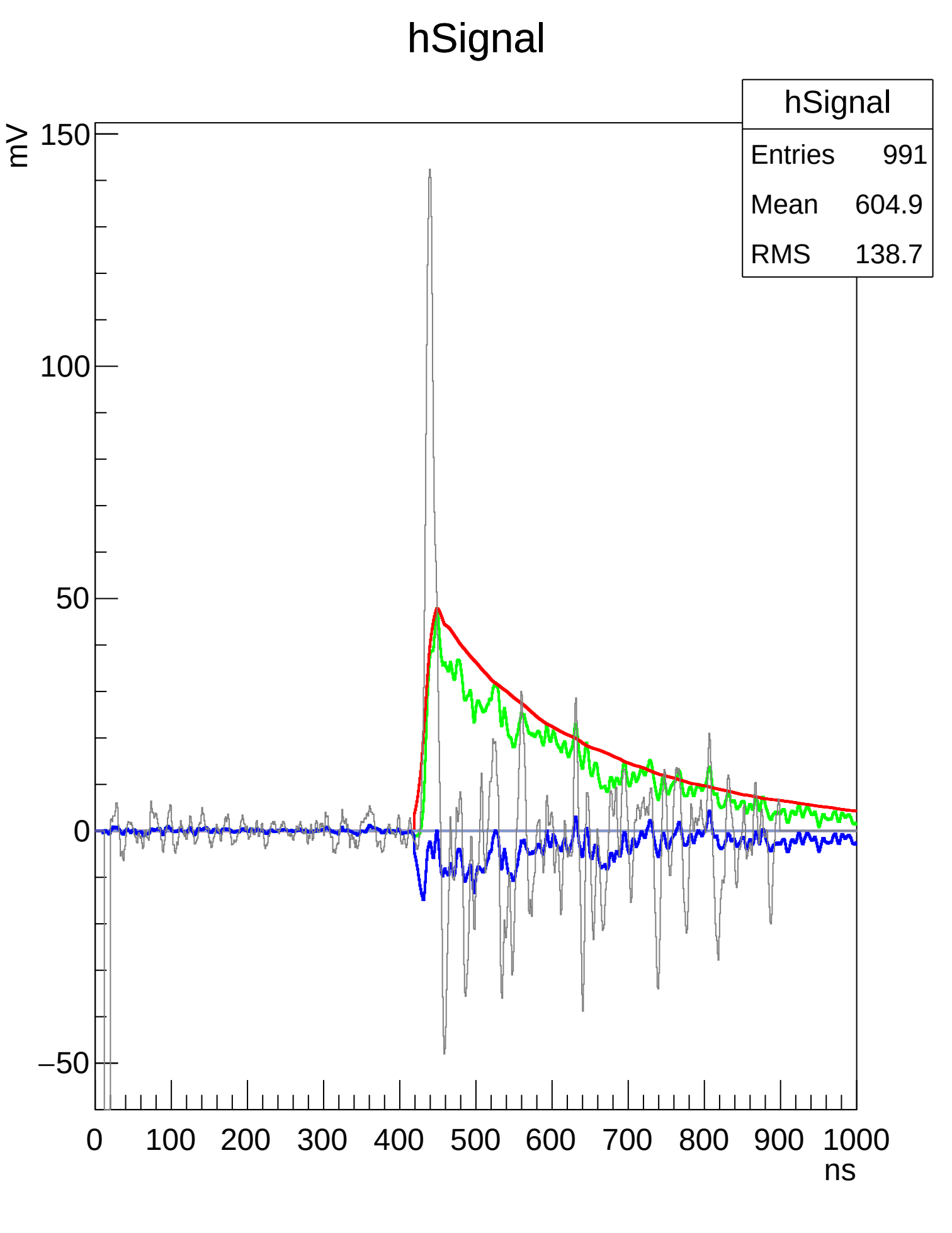

hSignal
hSignal
Entries 991
Mean 610.8
RMS 141.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.5
RMS 144.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.1
RMS 136.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.7
RMS 146.2
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.5
RMS 144.9
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.9
RMS 138.7
mV
150
100
50
0
−50
0
100
200
300
400
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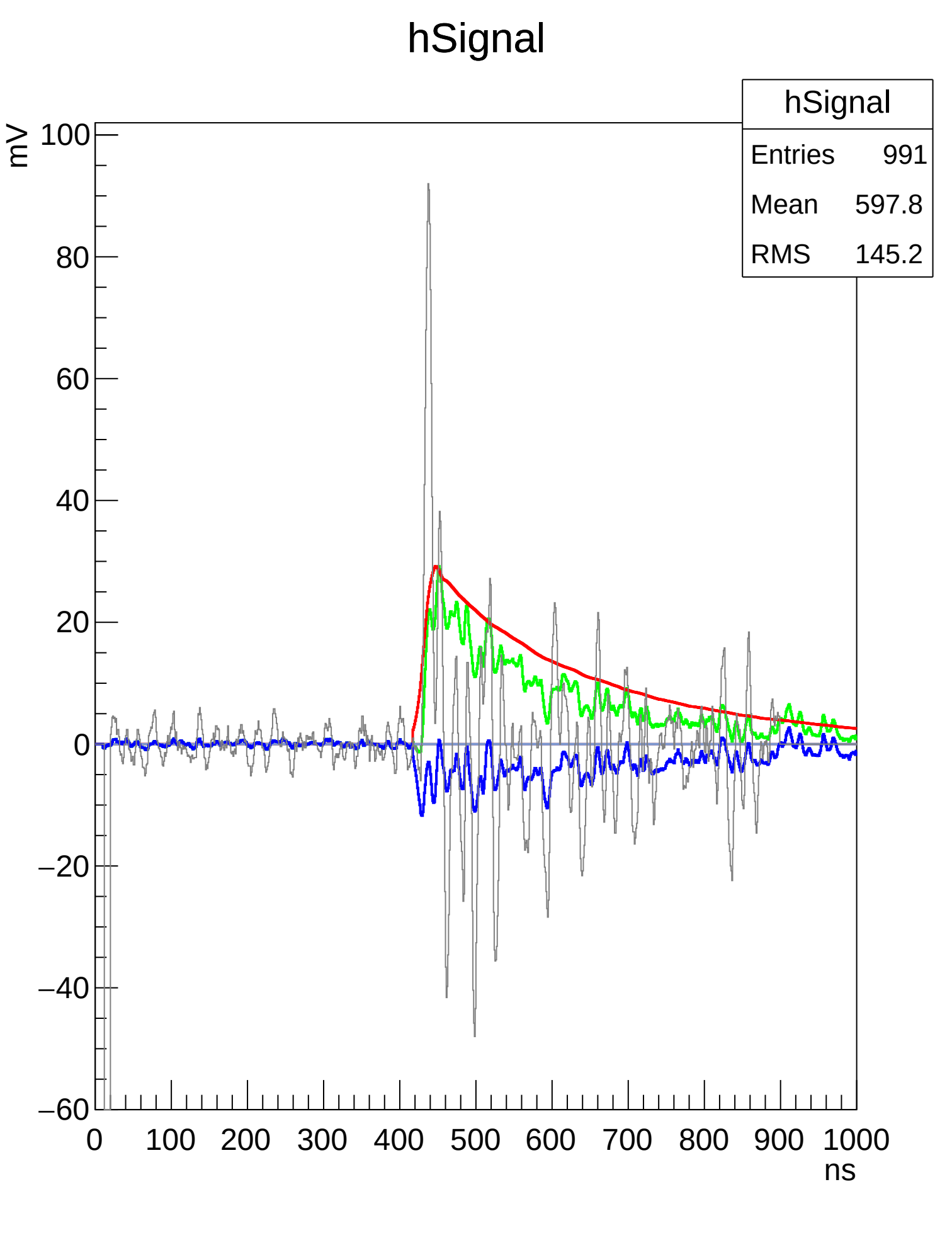
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.8
RMS 145.2
mV
100
80
60
40
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−20
−40
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0
100
200
300
400
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600
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800
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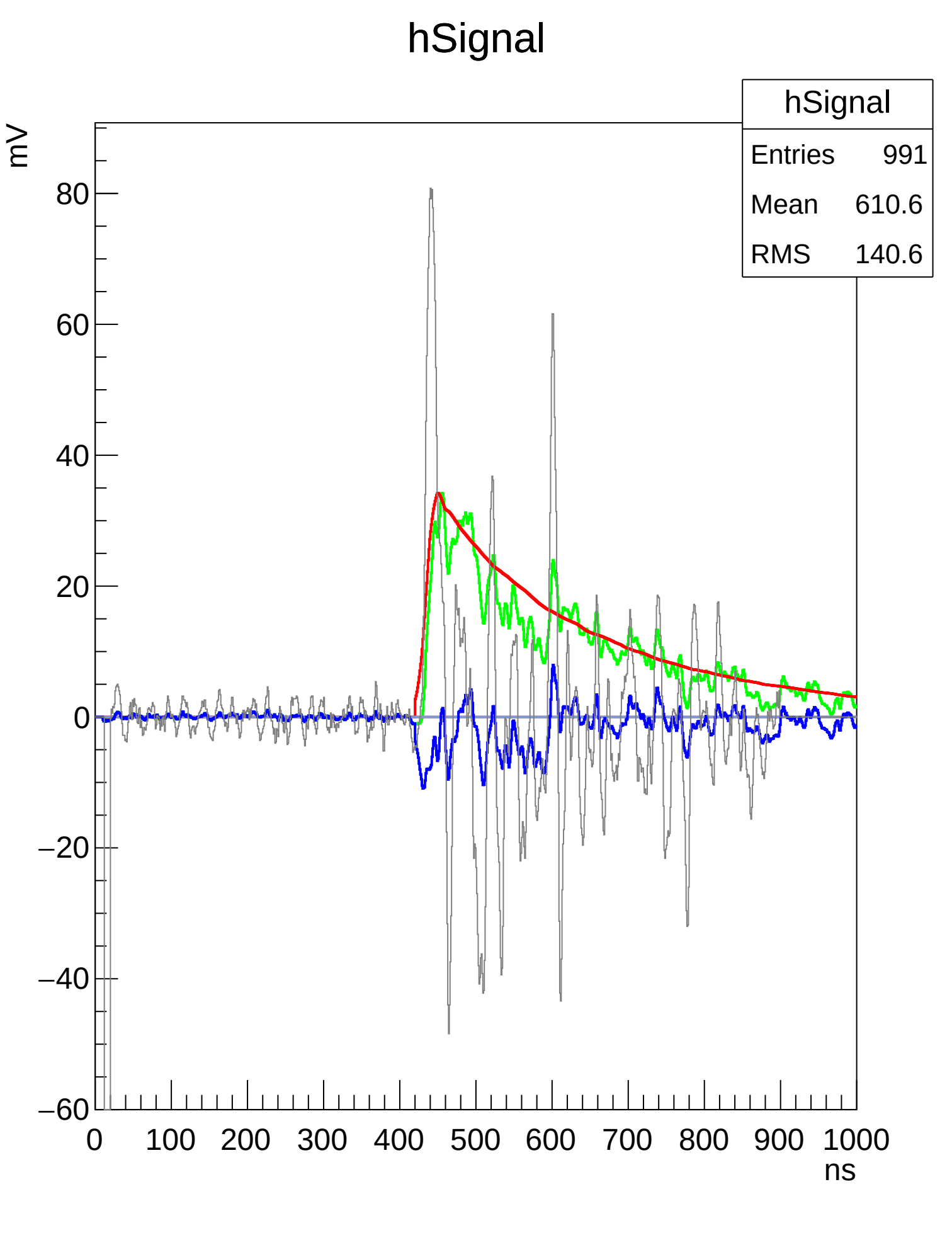
1000
ns


hSignal
hSignal
Entries 991
Mean 610.6
RMS 140.6
mV
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−20
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600
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800
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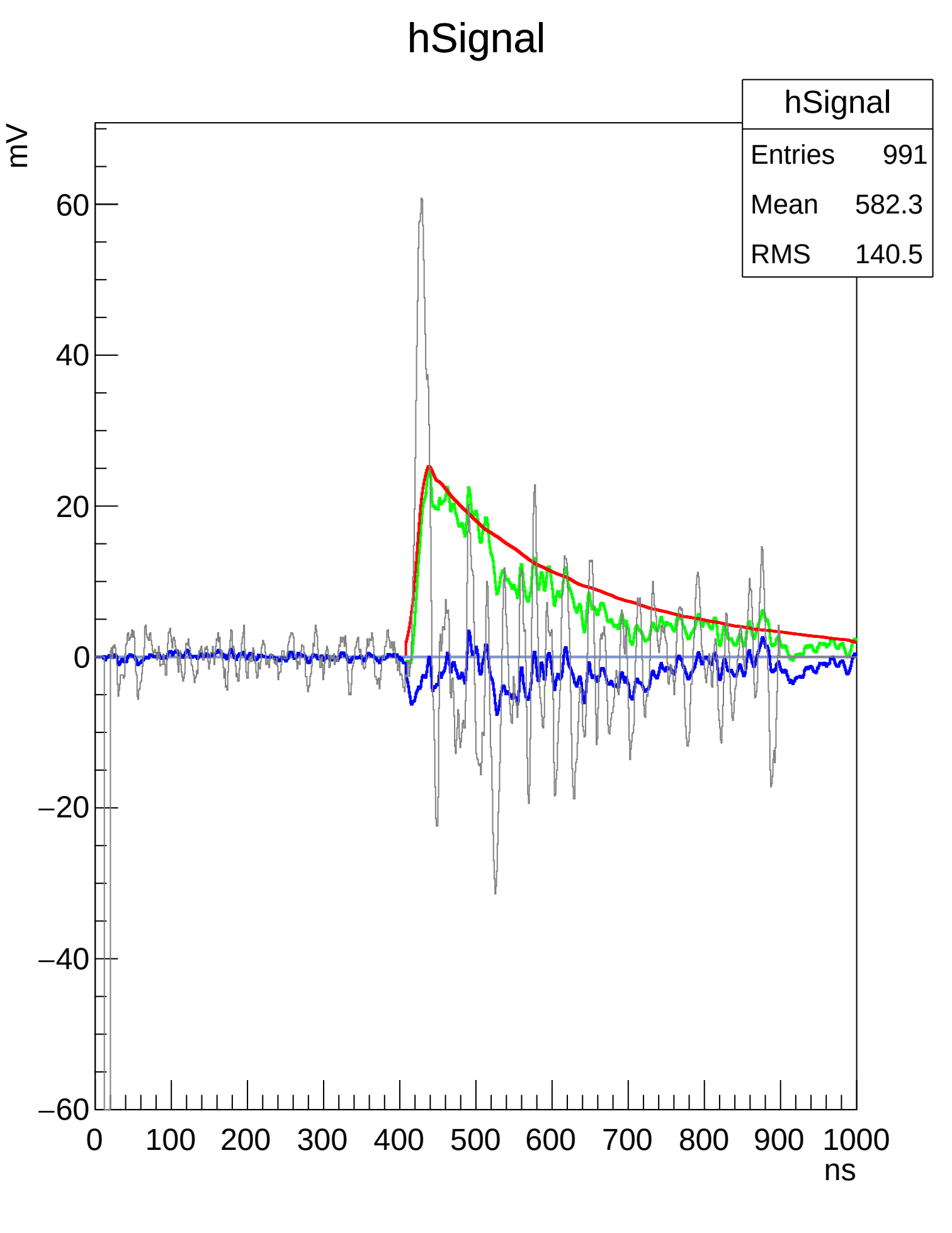
1000
ns


hSignal
hSignal
Entries 991
Mean 582.3
RMS 140.5
mV
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−40
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0
100
200
300
400
500
600
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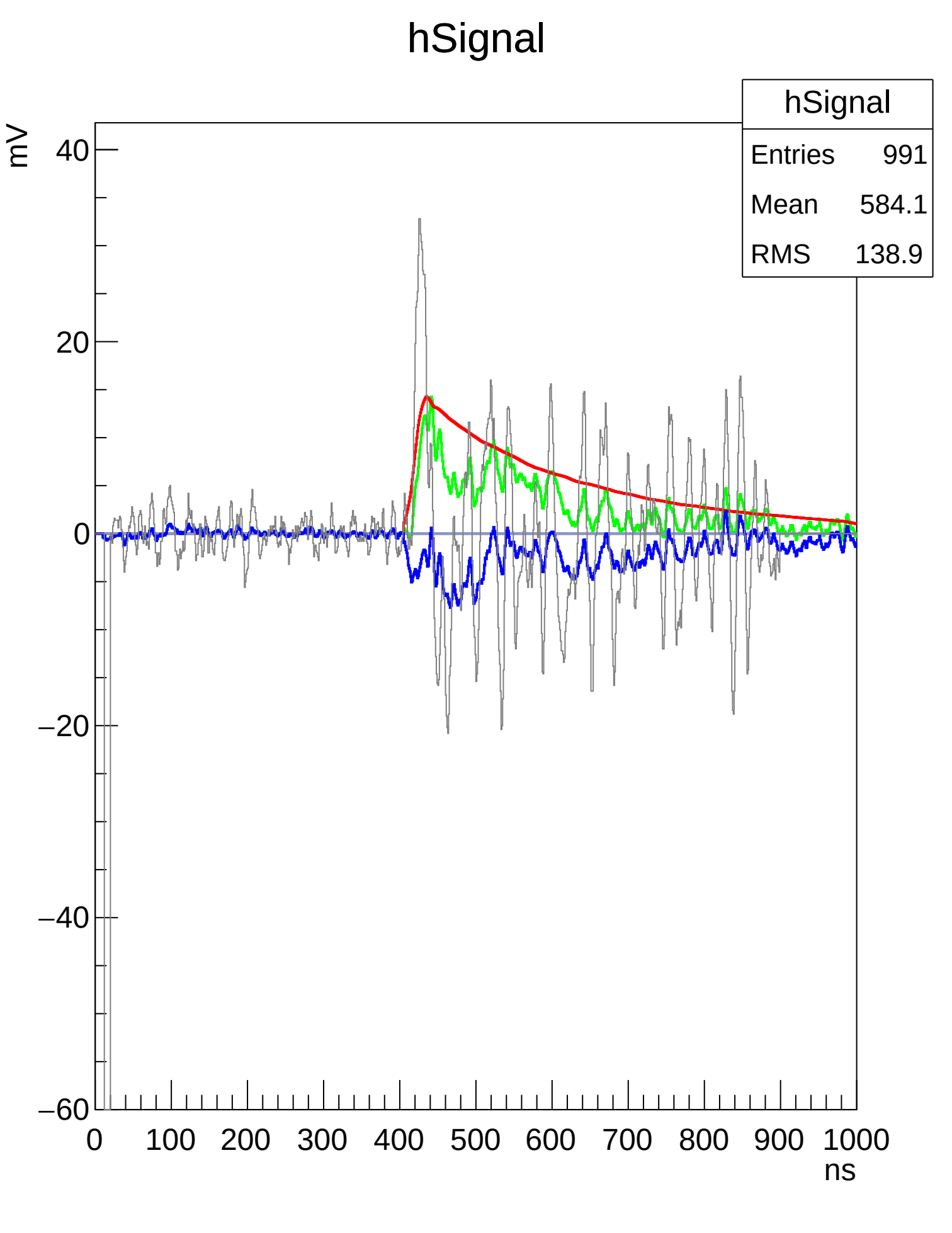
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 138.9
mV
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−20
−40
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0
100
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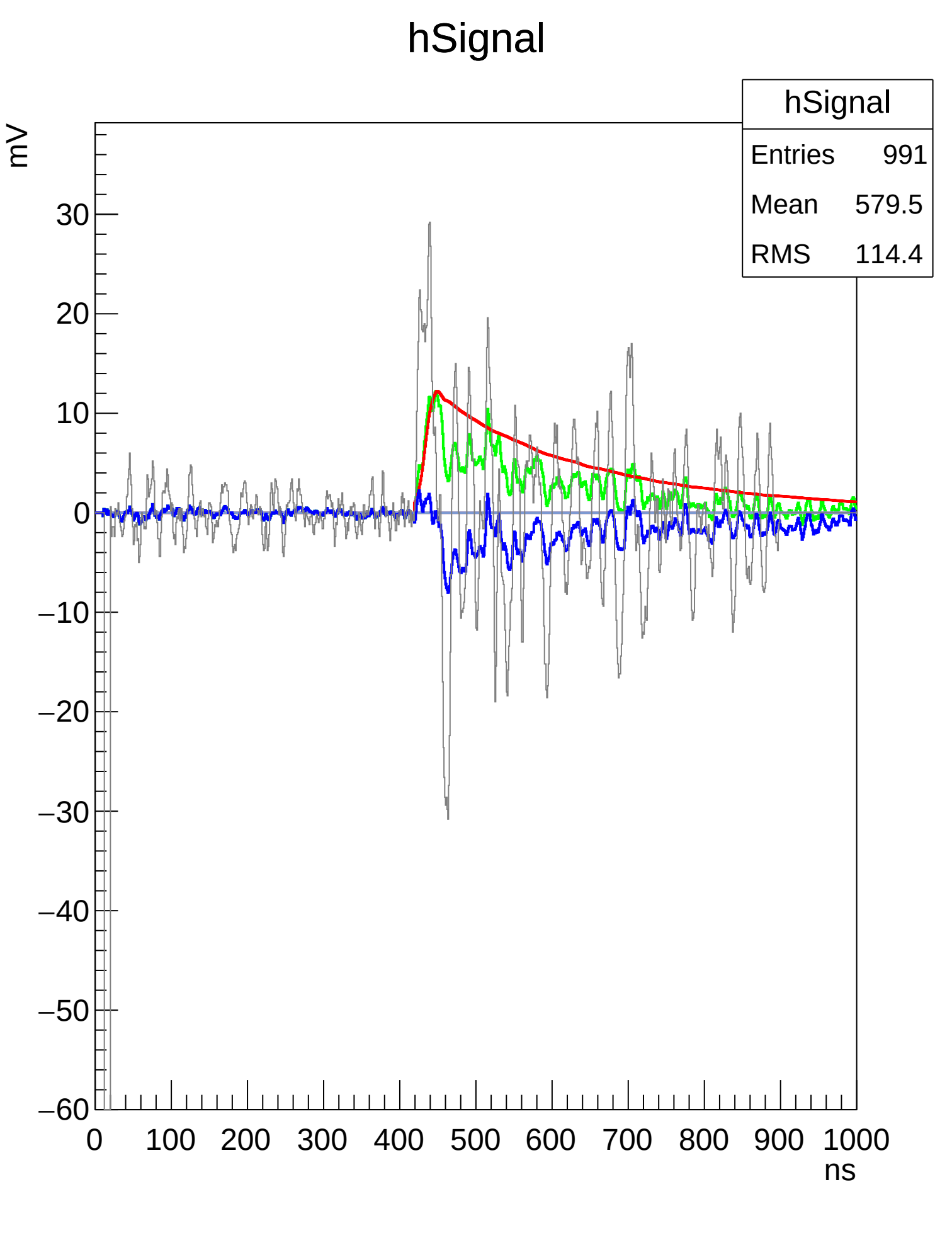
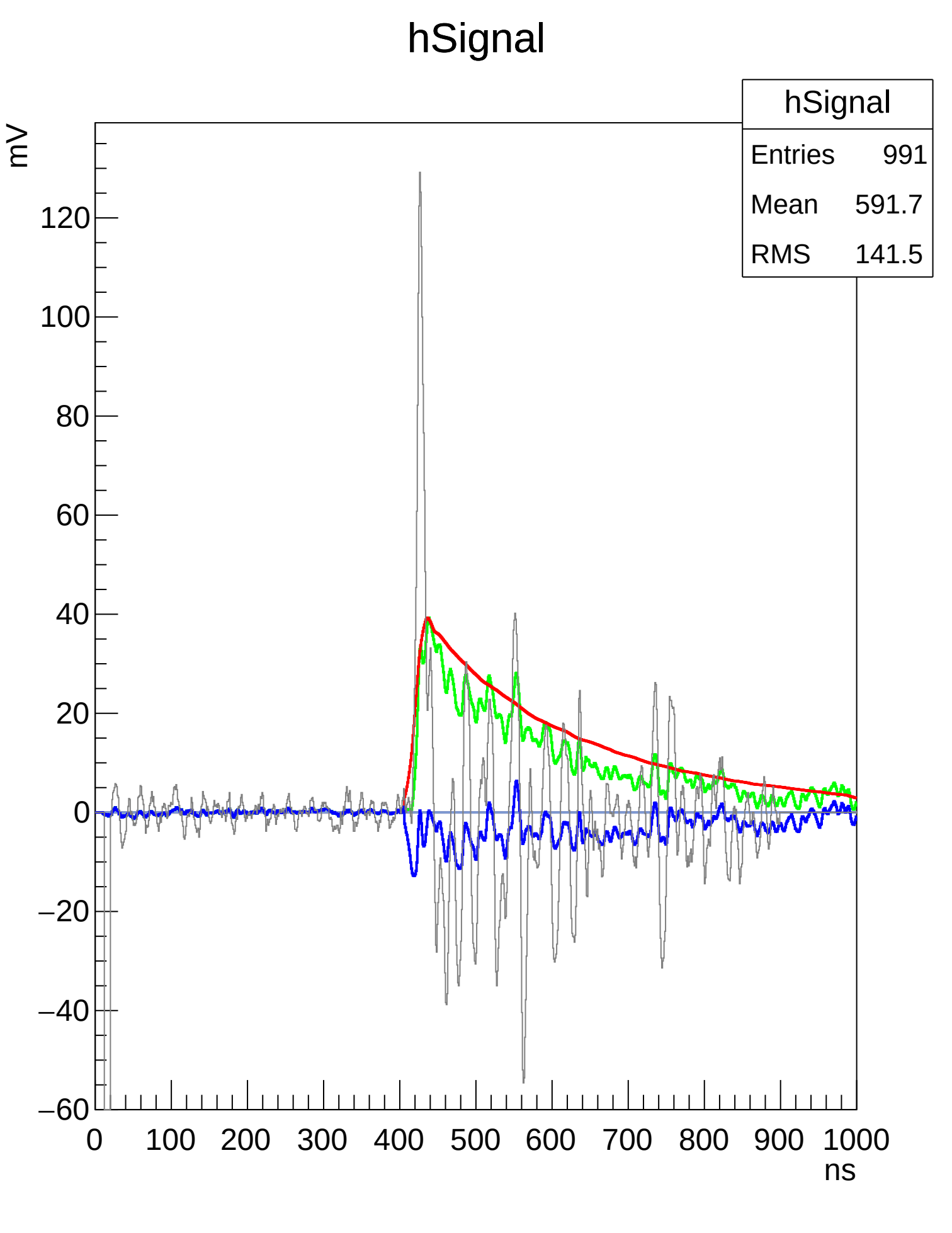
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.5
RMS 114.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.7
RMS 141.5
mV
120
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
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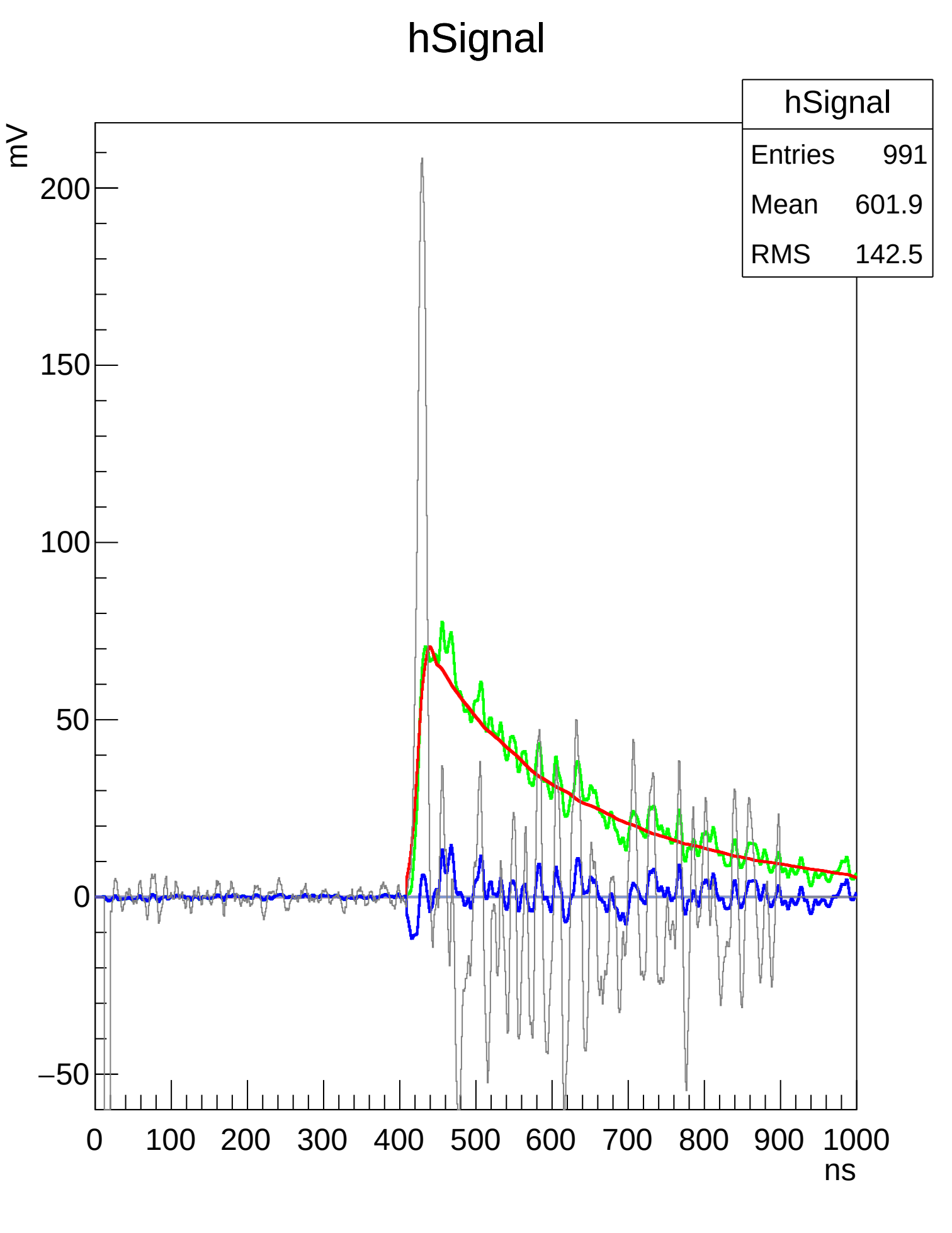
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.9
RMS 142.5
mV
200
150
100
50
0
−50
0
100
200
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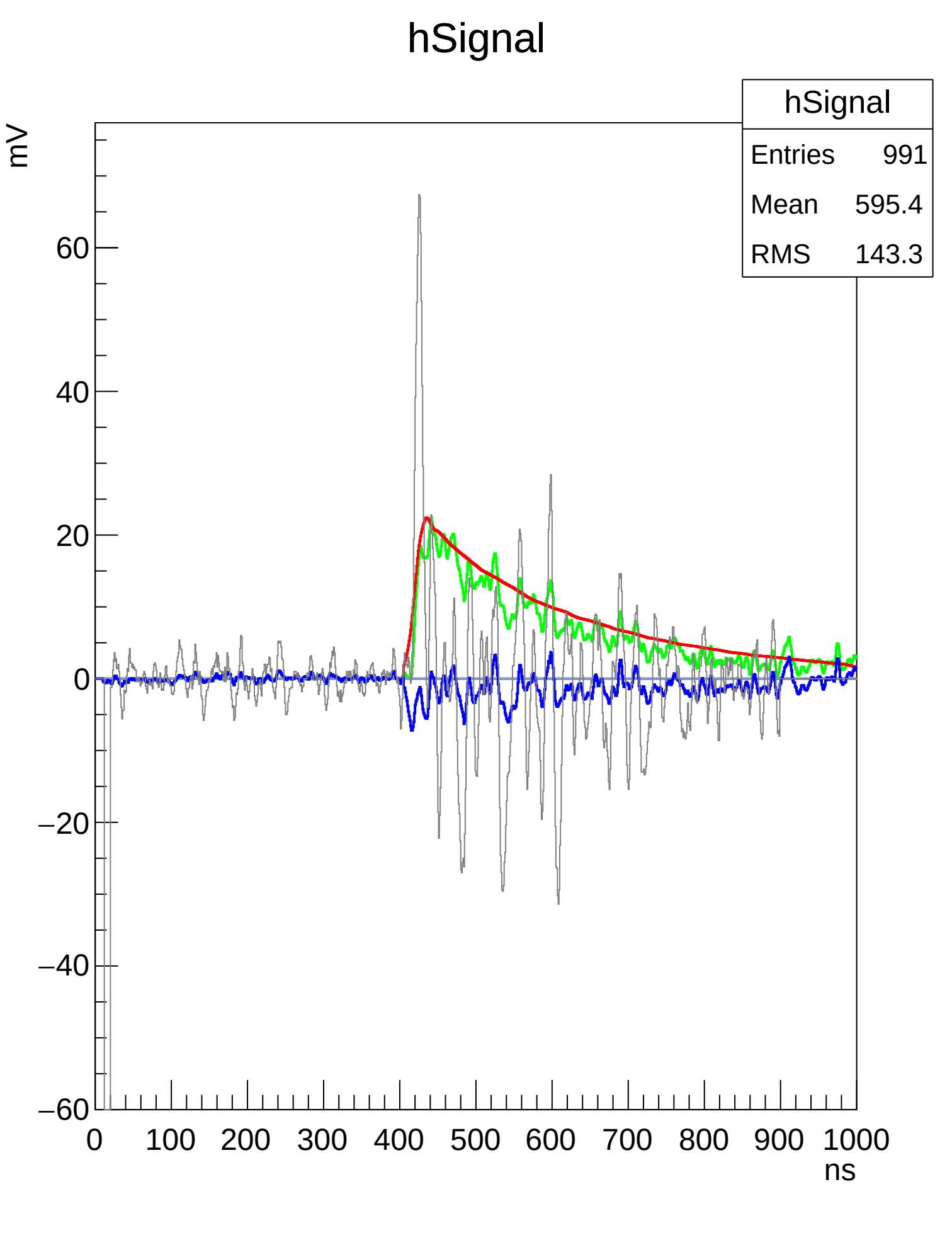
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.4
RMS 143.3
mV
60
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−20
−40
−60
0
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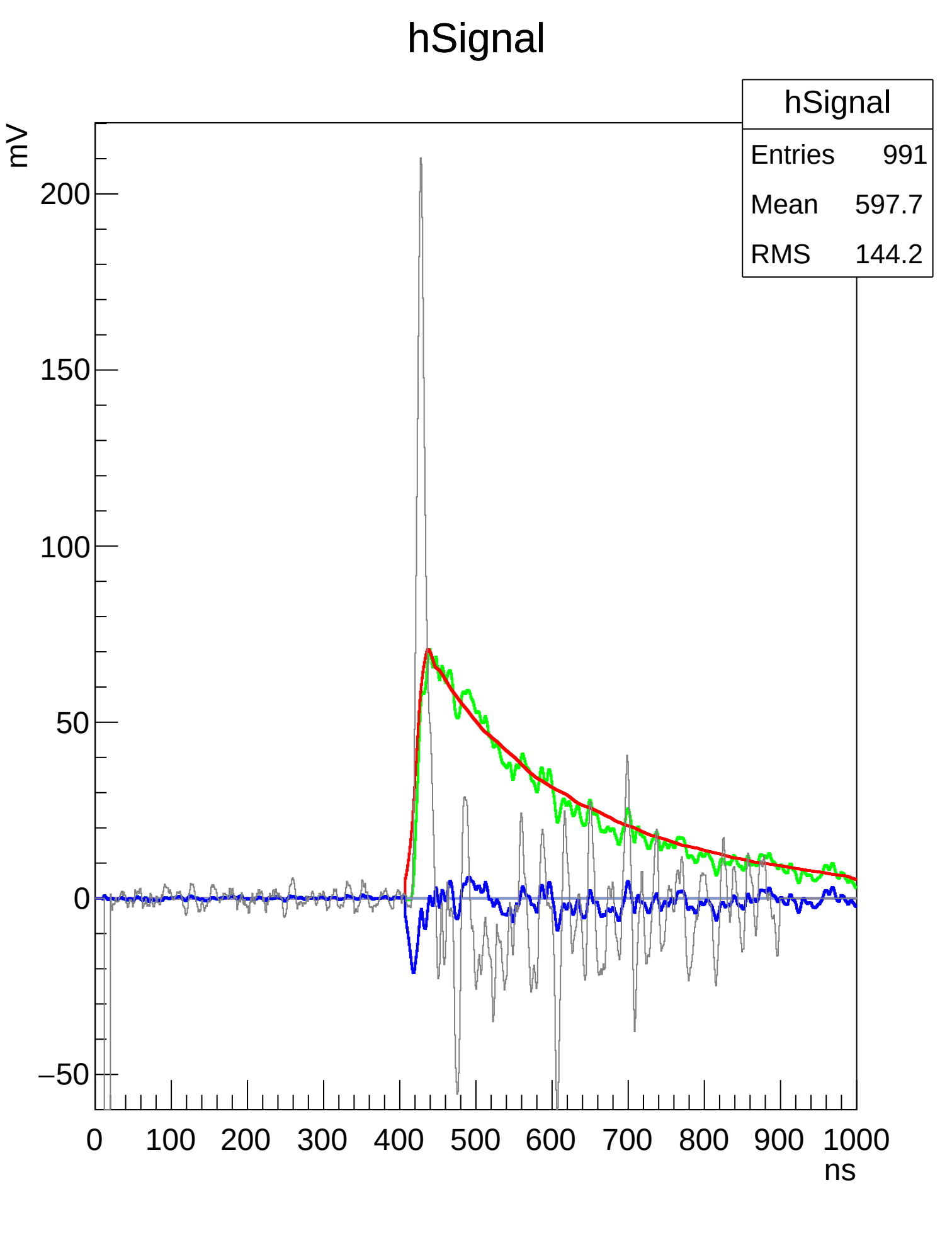
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 144.2
mV
200
150
100
50
0
−50
0
100
200
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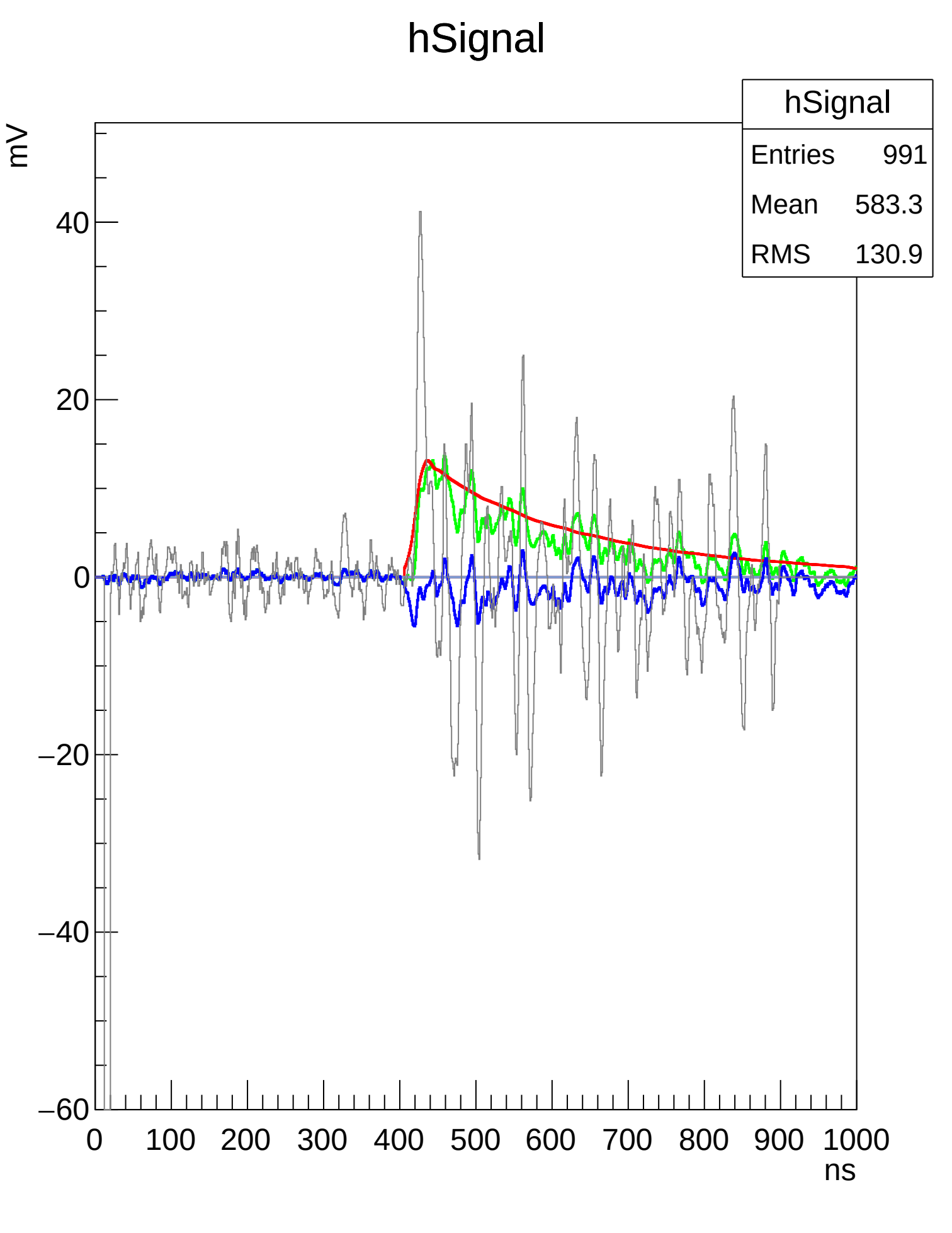
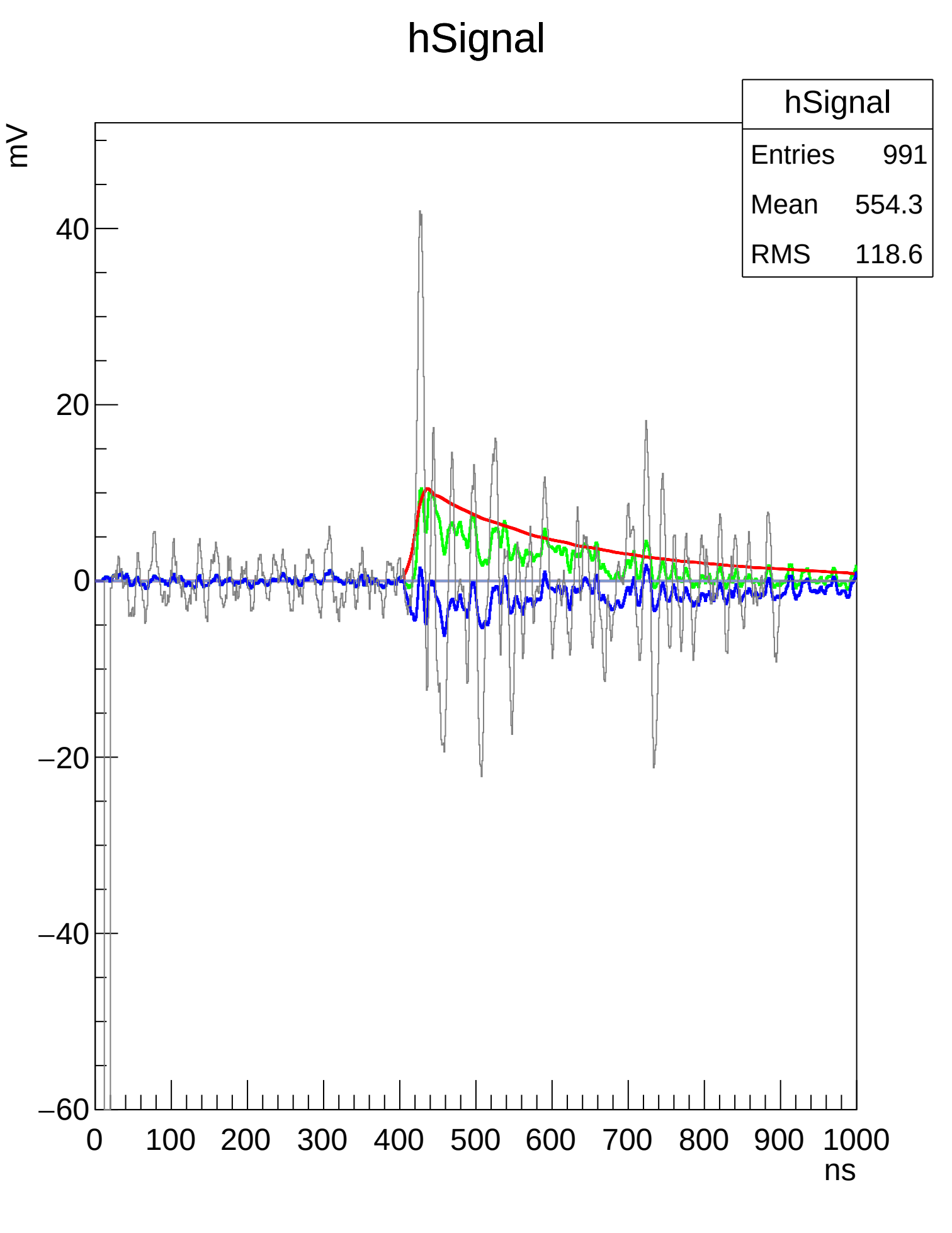
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 130.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.3
RMS 118.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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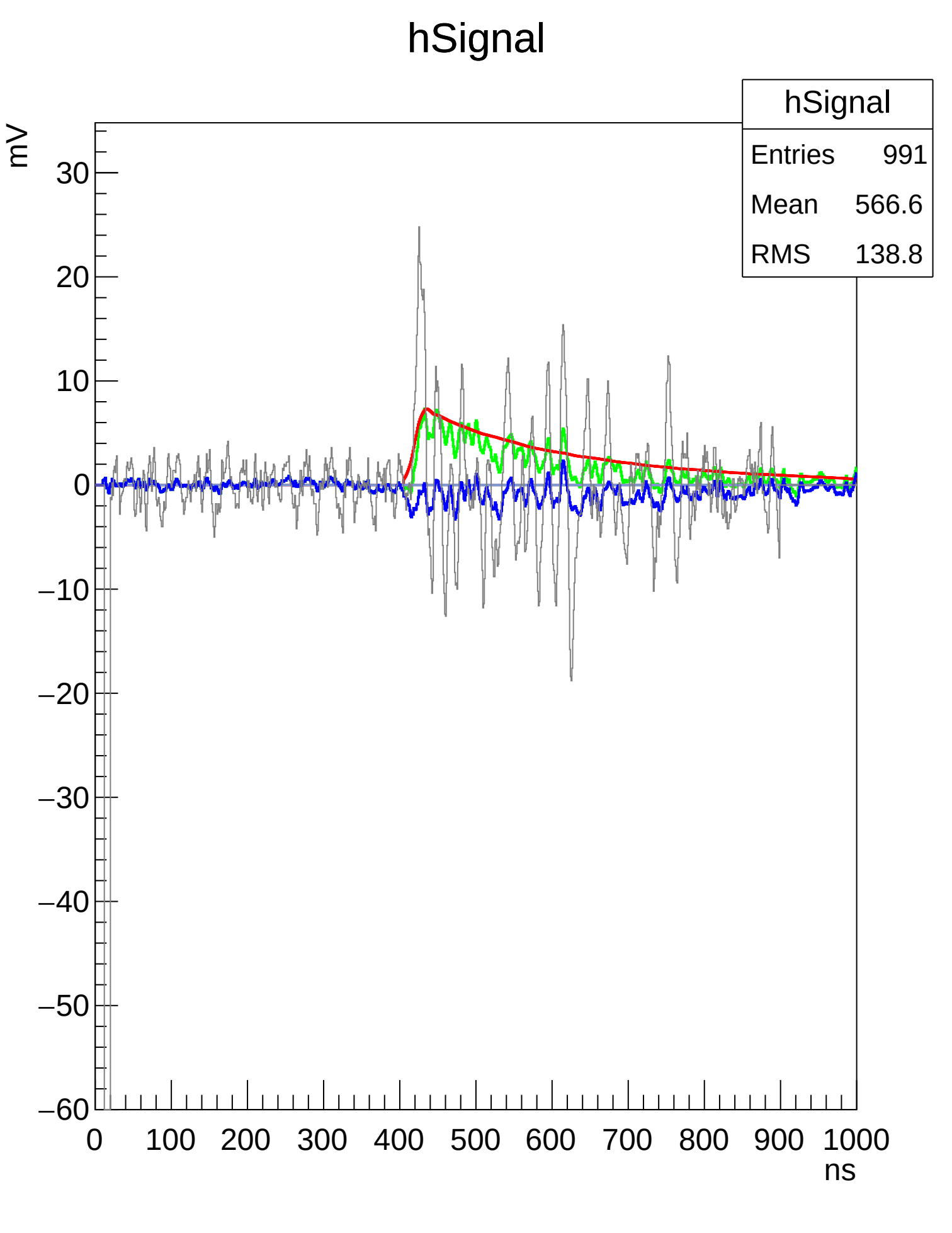
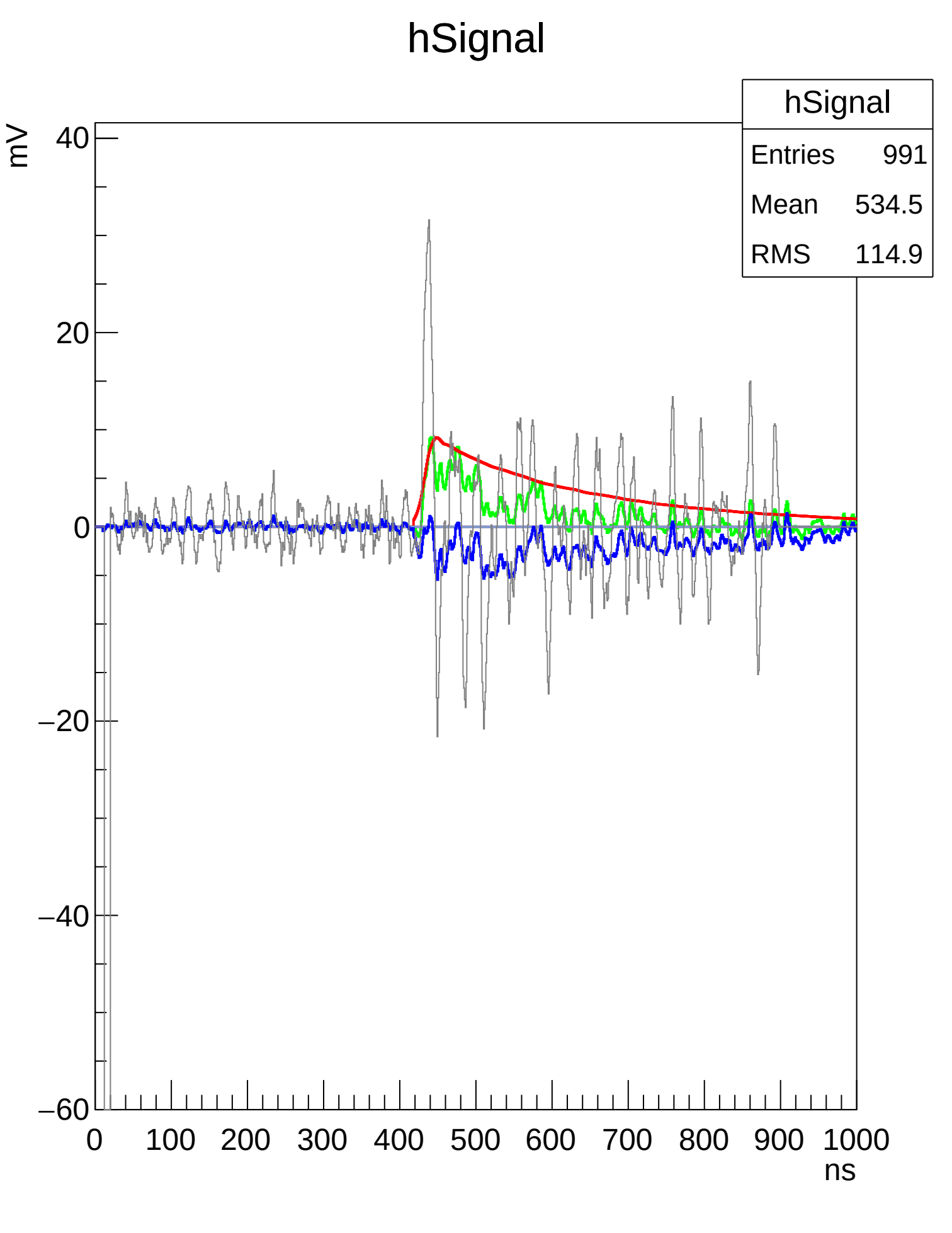
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.6
RMS 138.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.5
RMS 114.9
mV
40
20
0
−20
−40
−60
0
100
200
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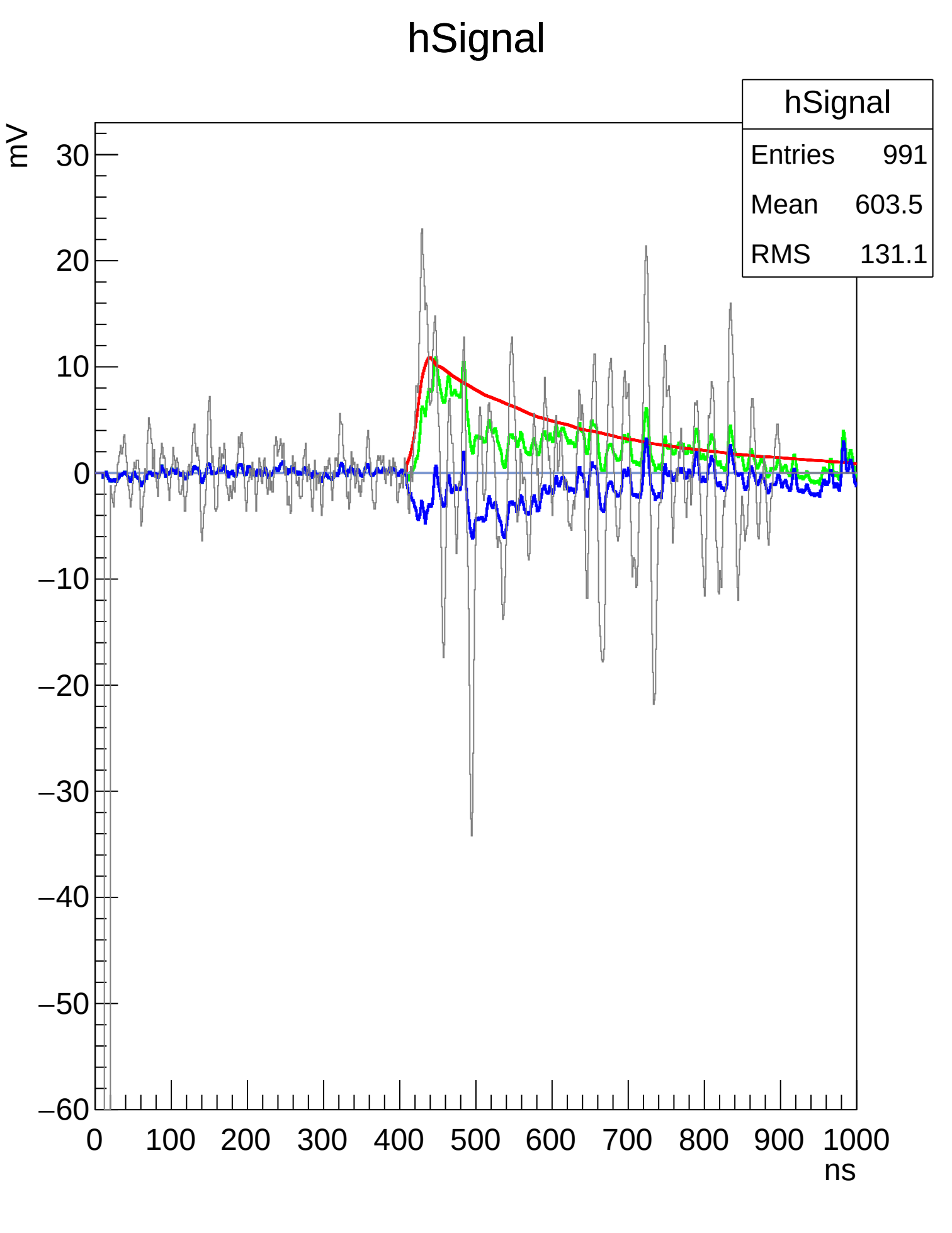
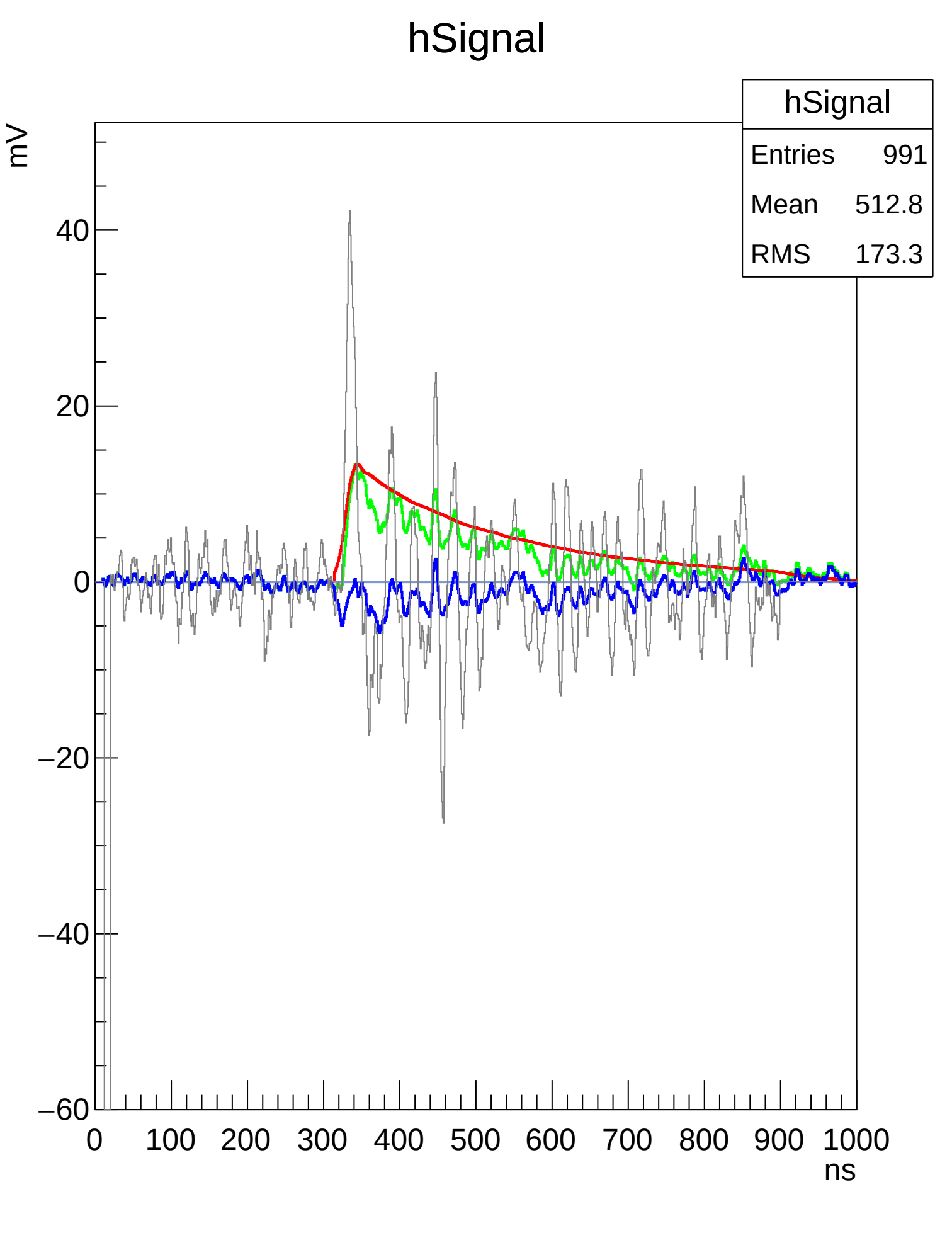
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.5
RMS 131.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.8
RMS 173.3
mV
40
20
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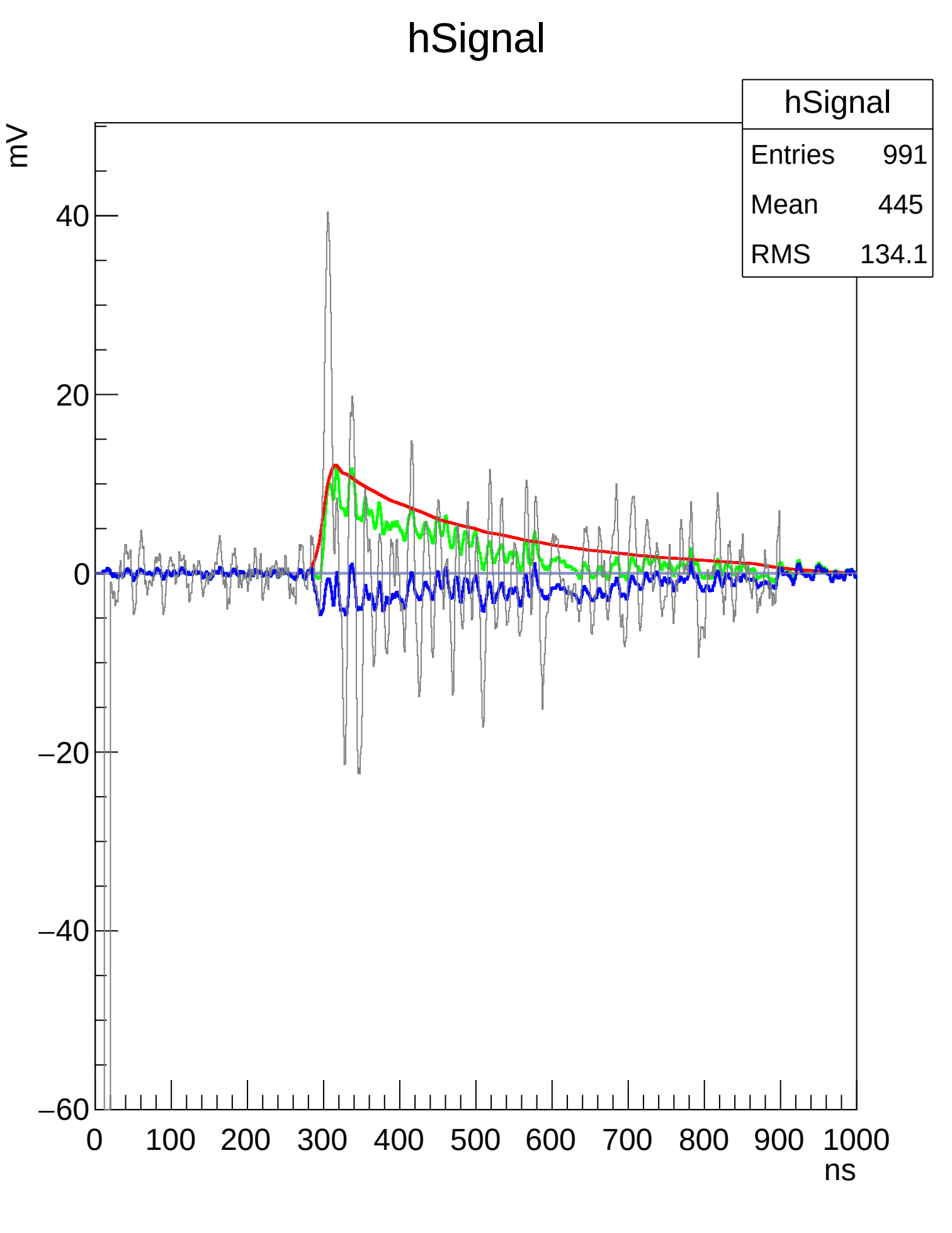
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 445
RMS 134.1
mV
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−20
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0
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400
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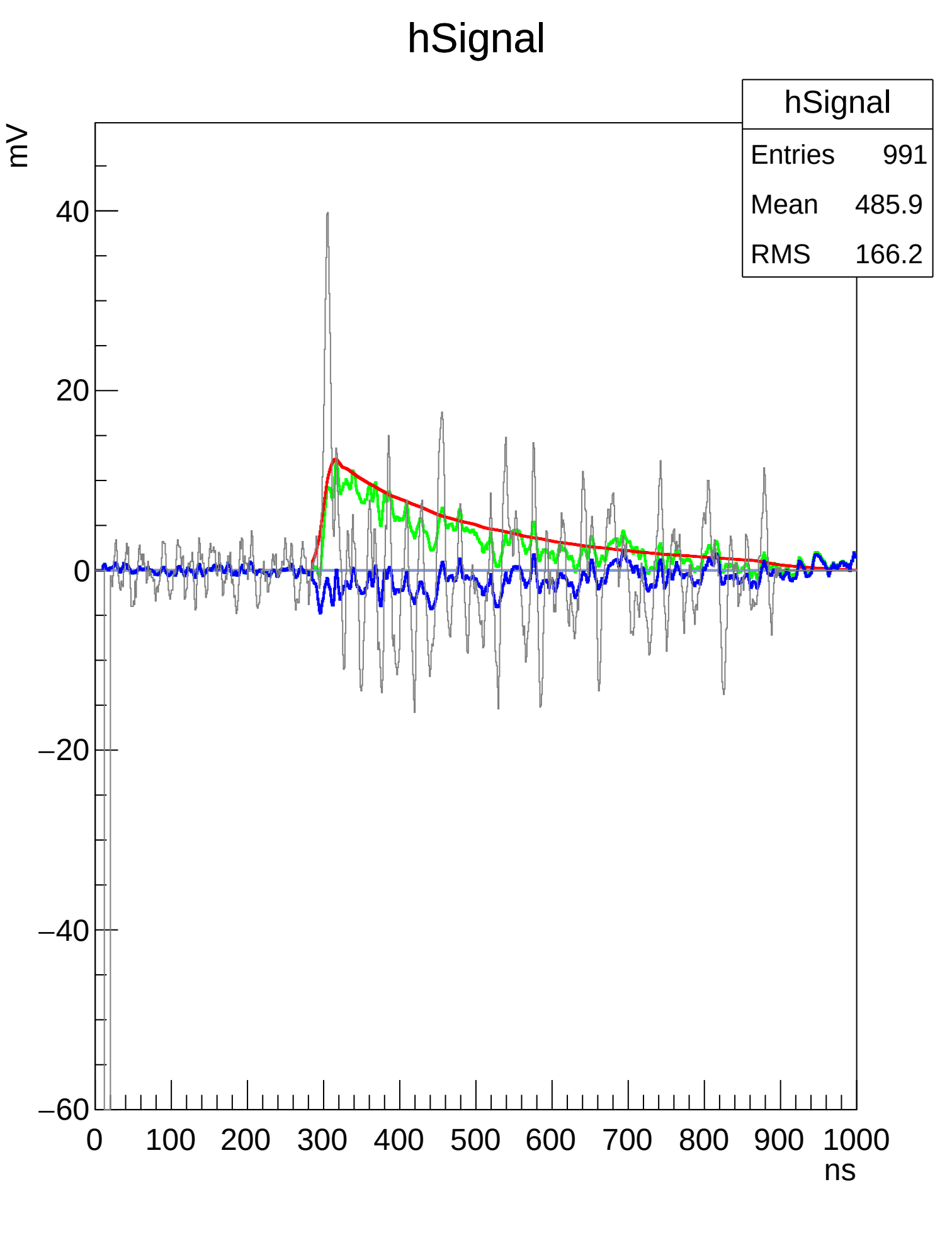
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485.9
RMS 166.2
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−20
−40
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0
100
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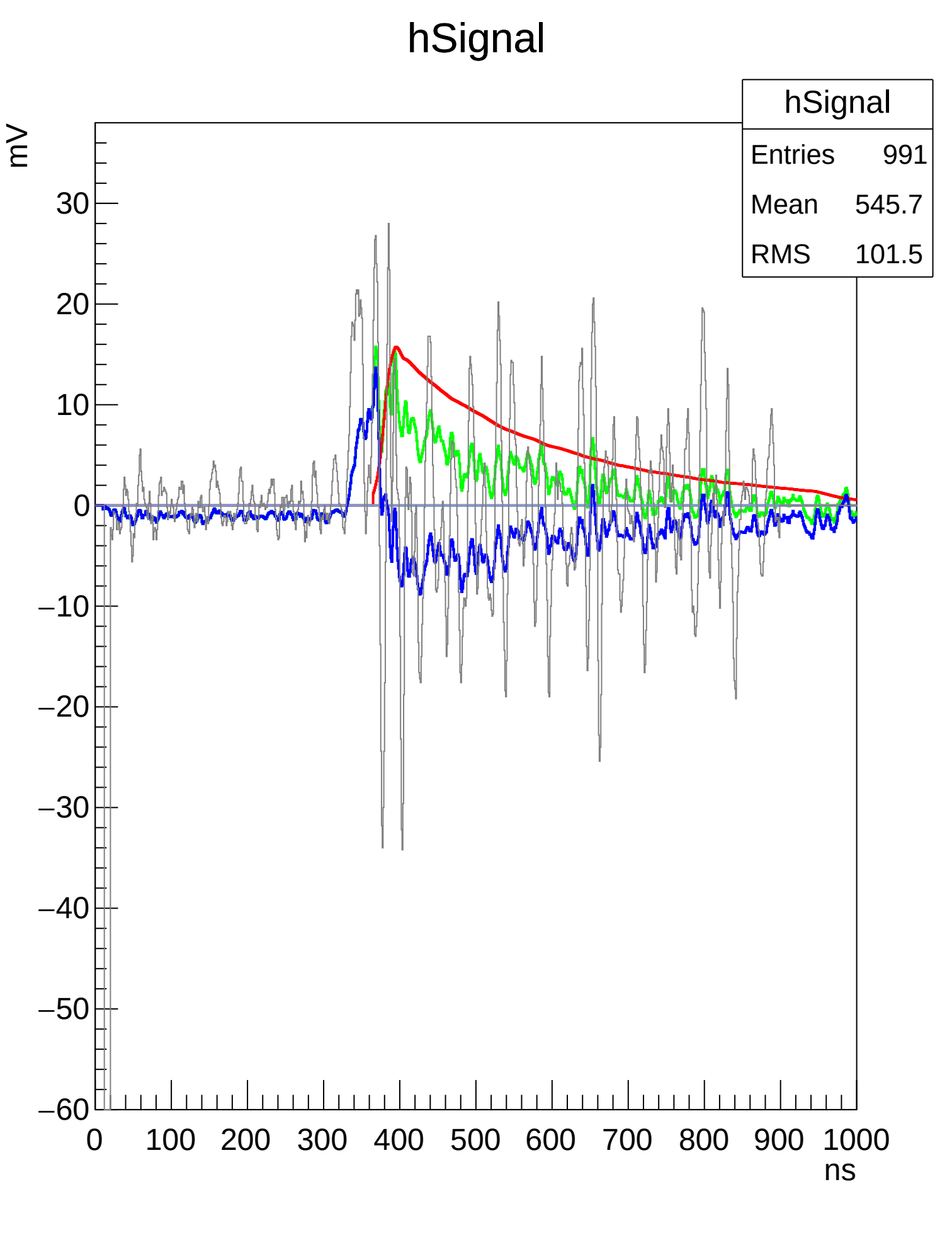
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.7
RMS 101.5
mV
30
20
10
0
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−50
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0
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400
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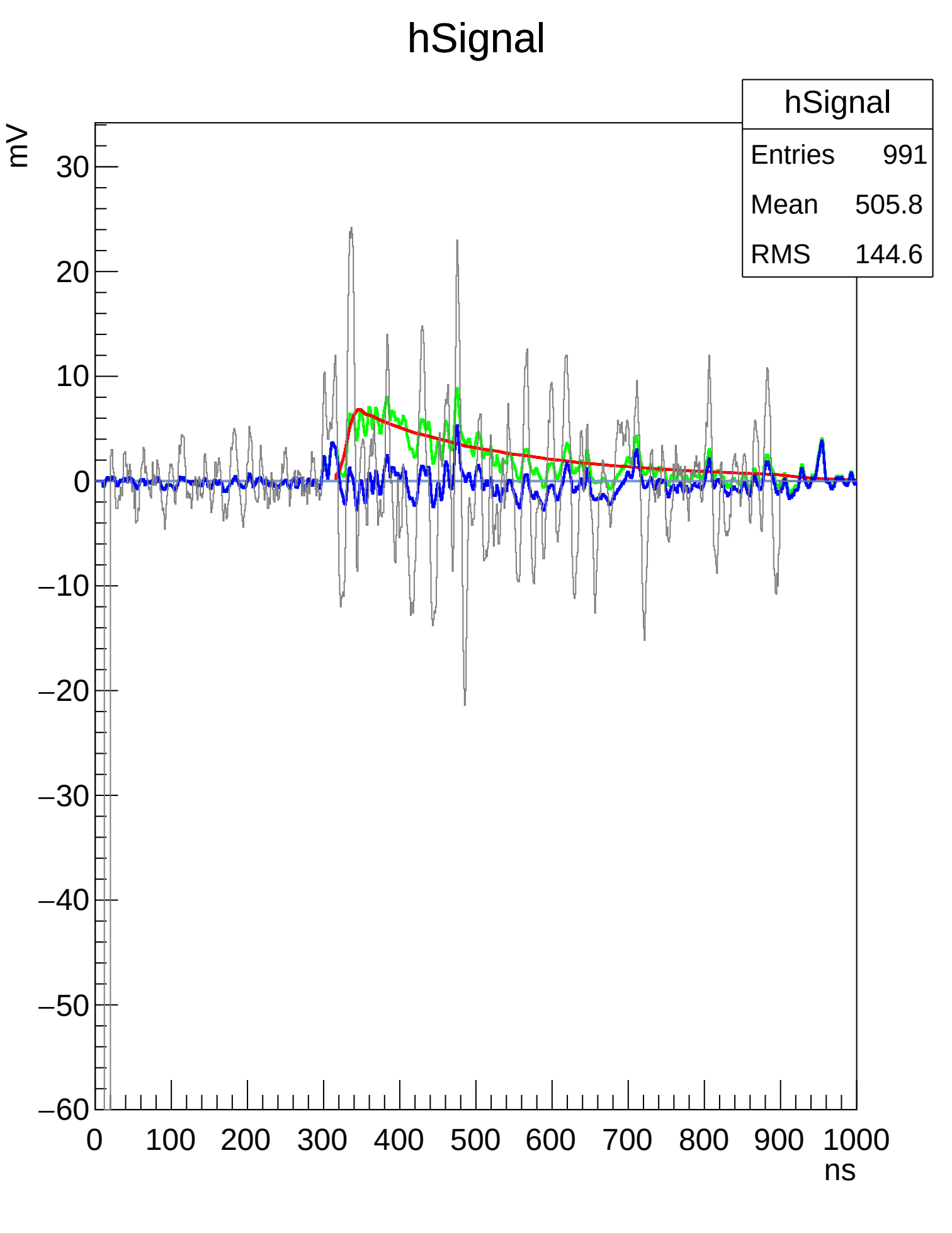
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.8
RMS 144.6
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
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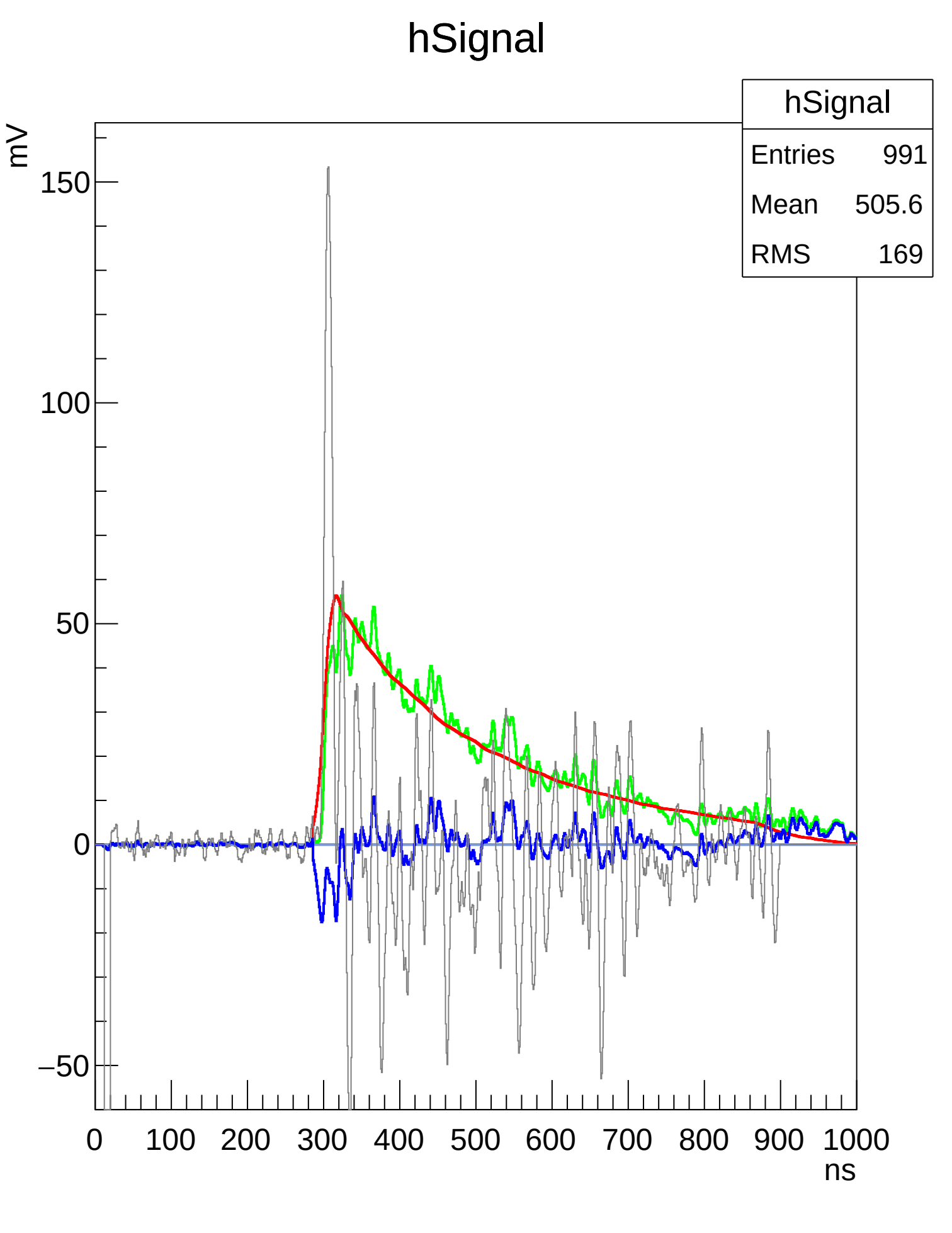
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.6
RMS 169
mV
150
100
50
0
−50
0
100
200
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400
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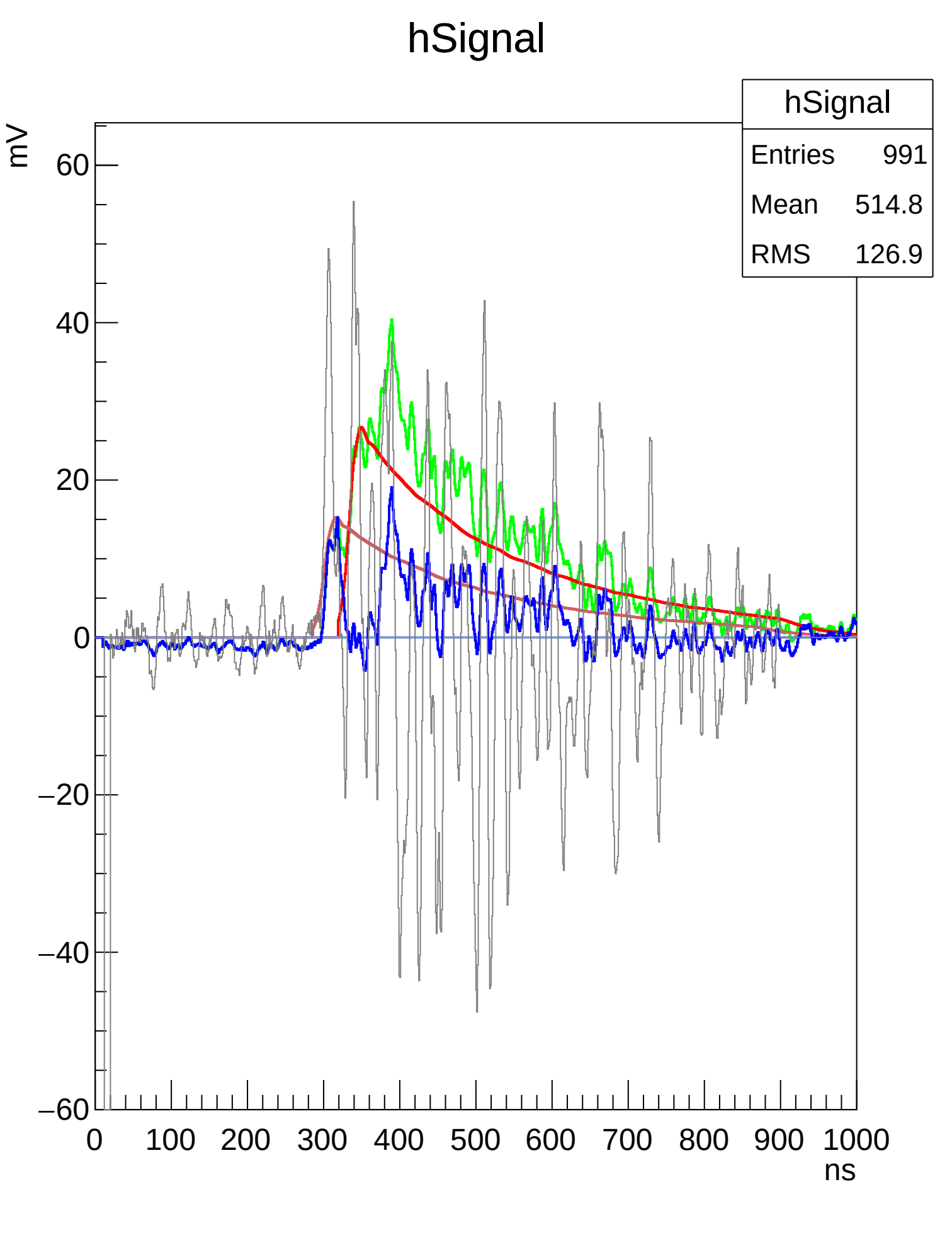
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.8
RMS 126.9
mV
60
40
20
0
−20
−40
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0
100
200
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400
500
600
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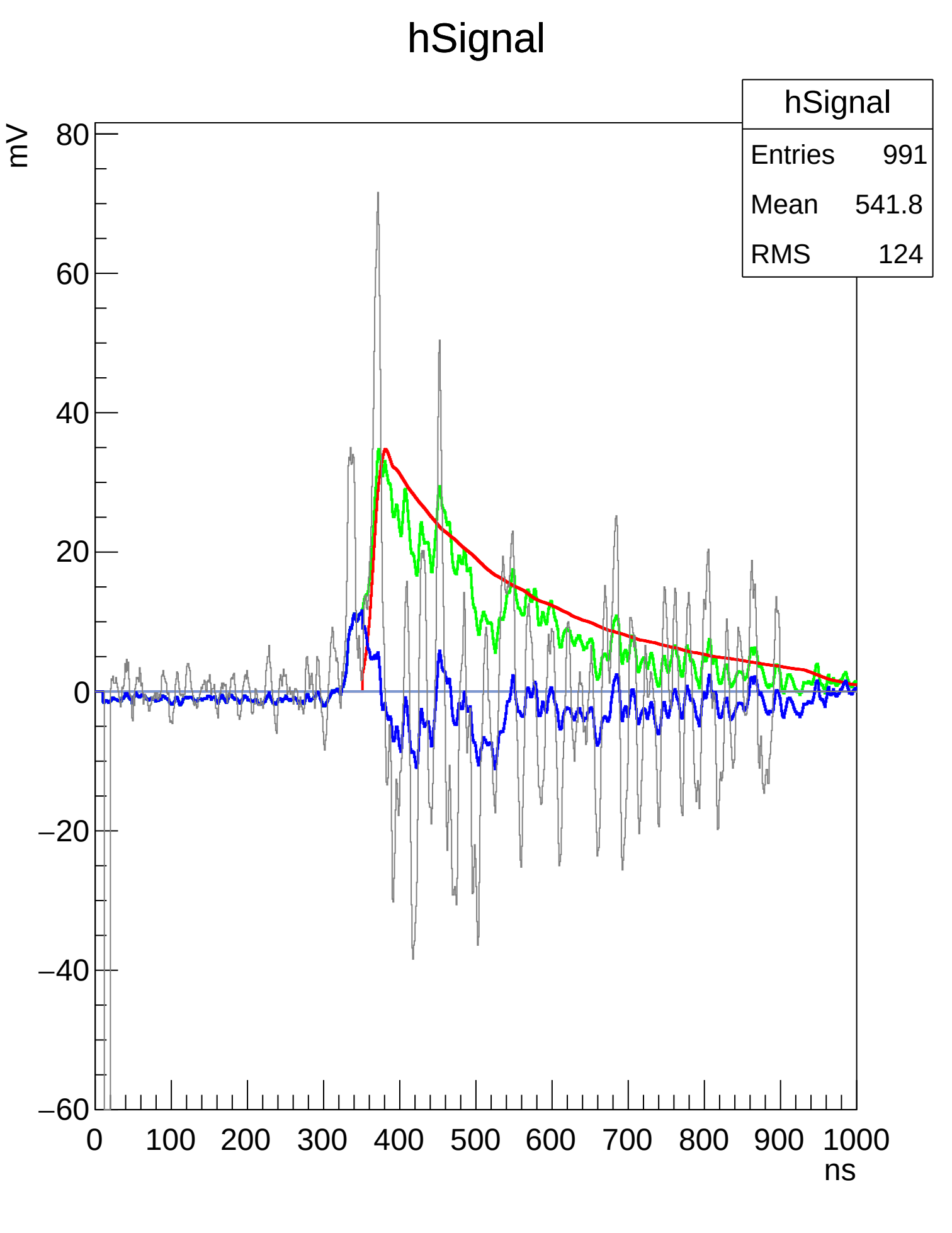
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.8
RMS 124
mV
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0
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400
500
600
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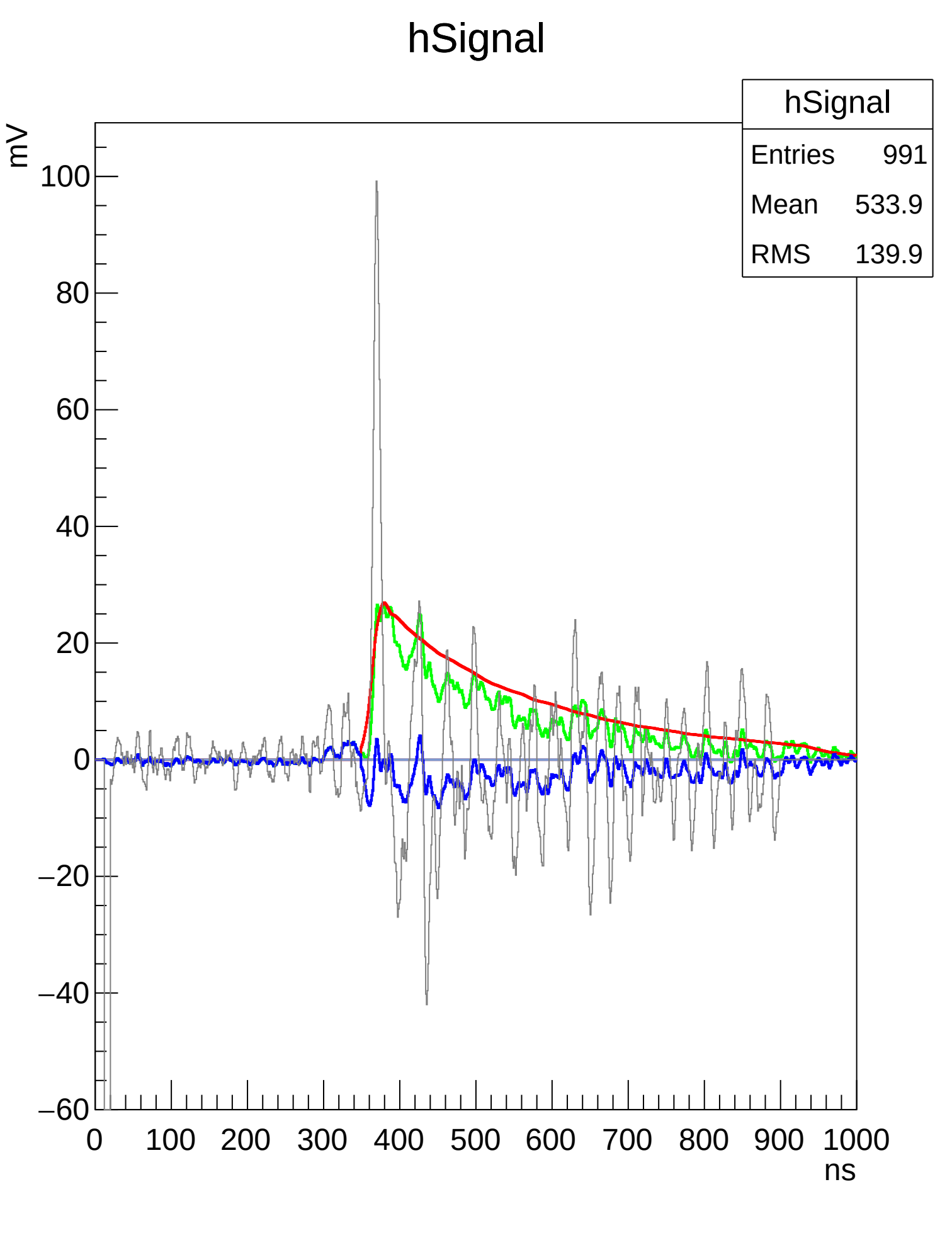
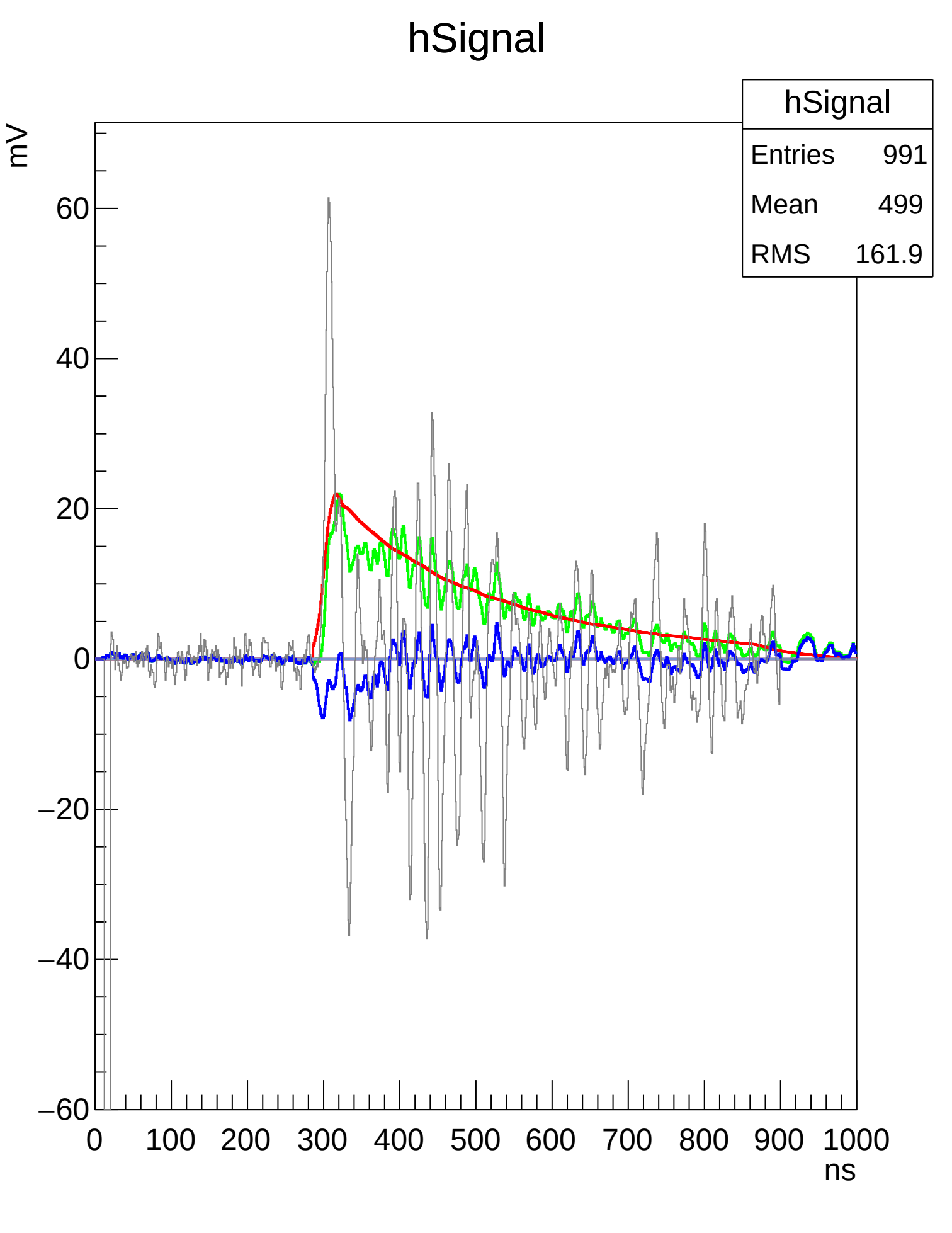
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.9
RMS 139.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499
RMS 161.9
mV
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−20
−40
−60
0
100
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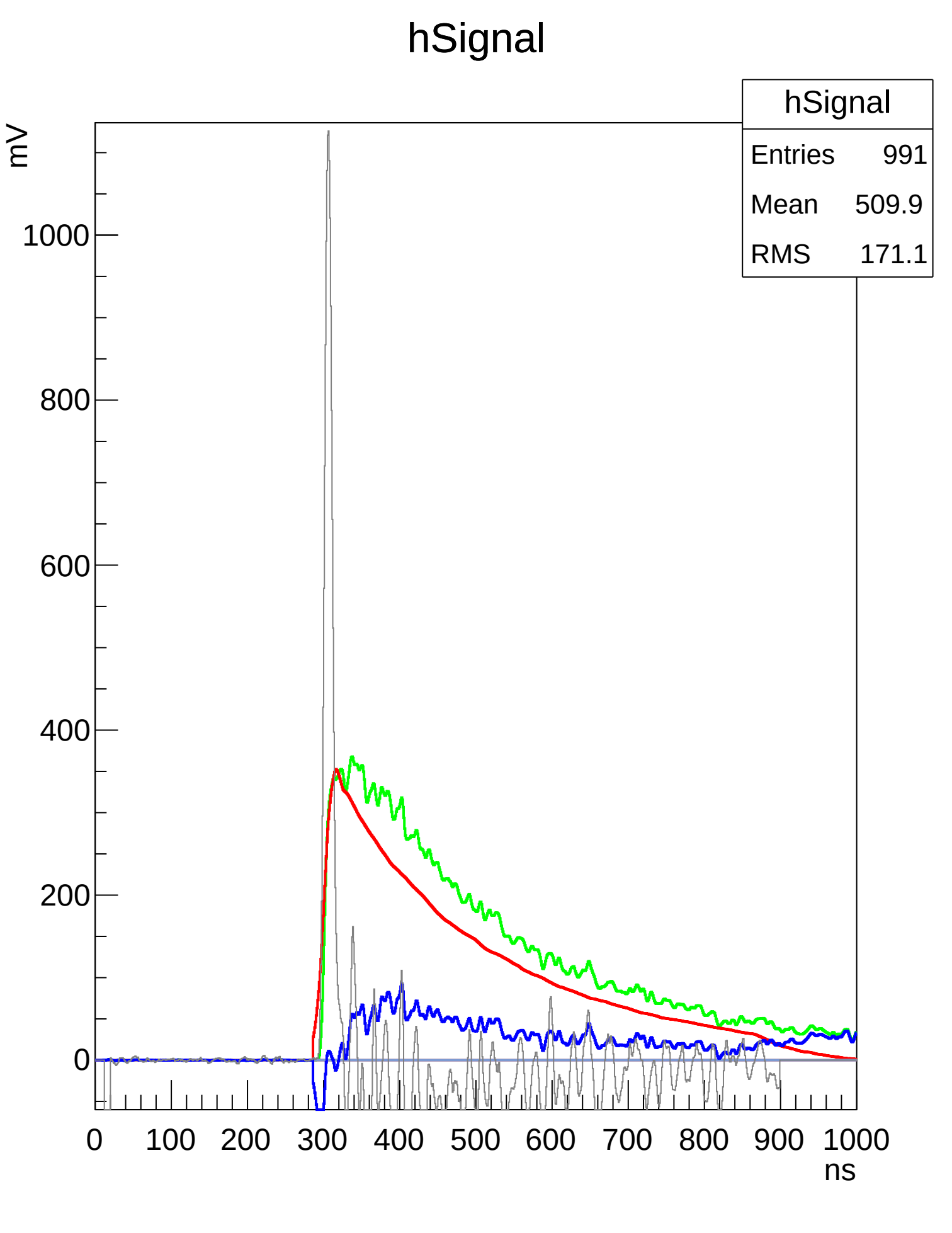
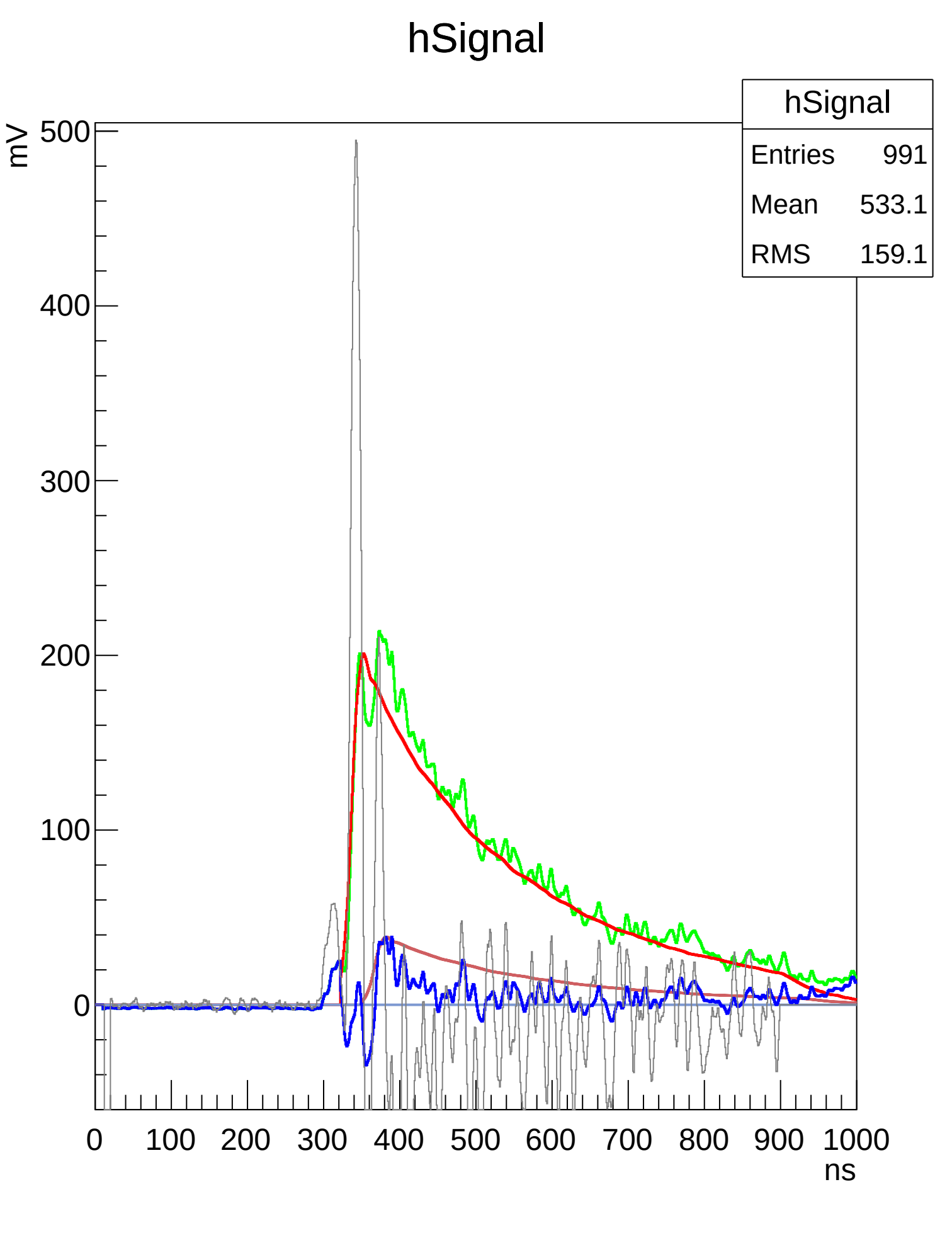
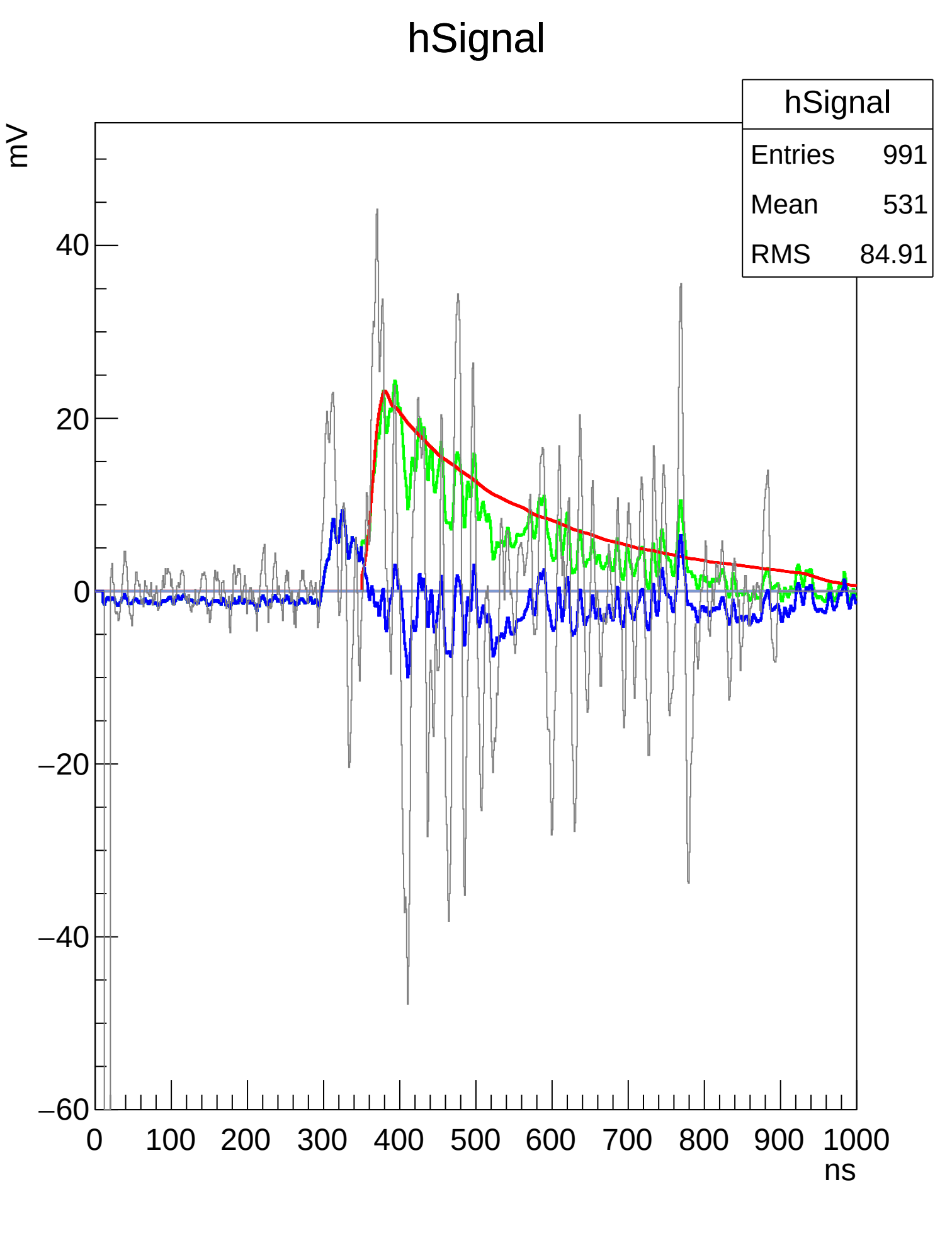
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.9
RMS 171.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.1
RMS 159.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531
RMS 84.91
mV
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−40
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0
100
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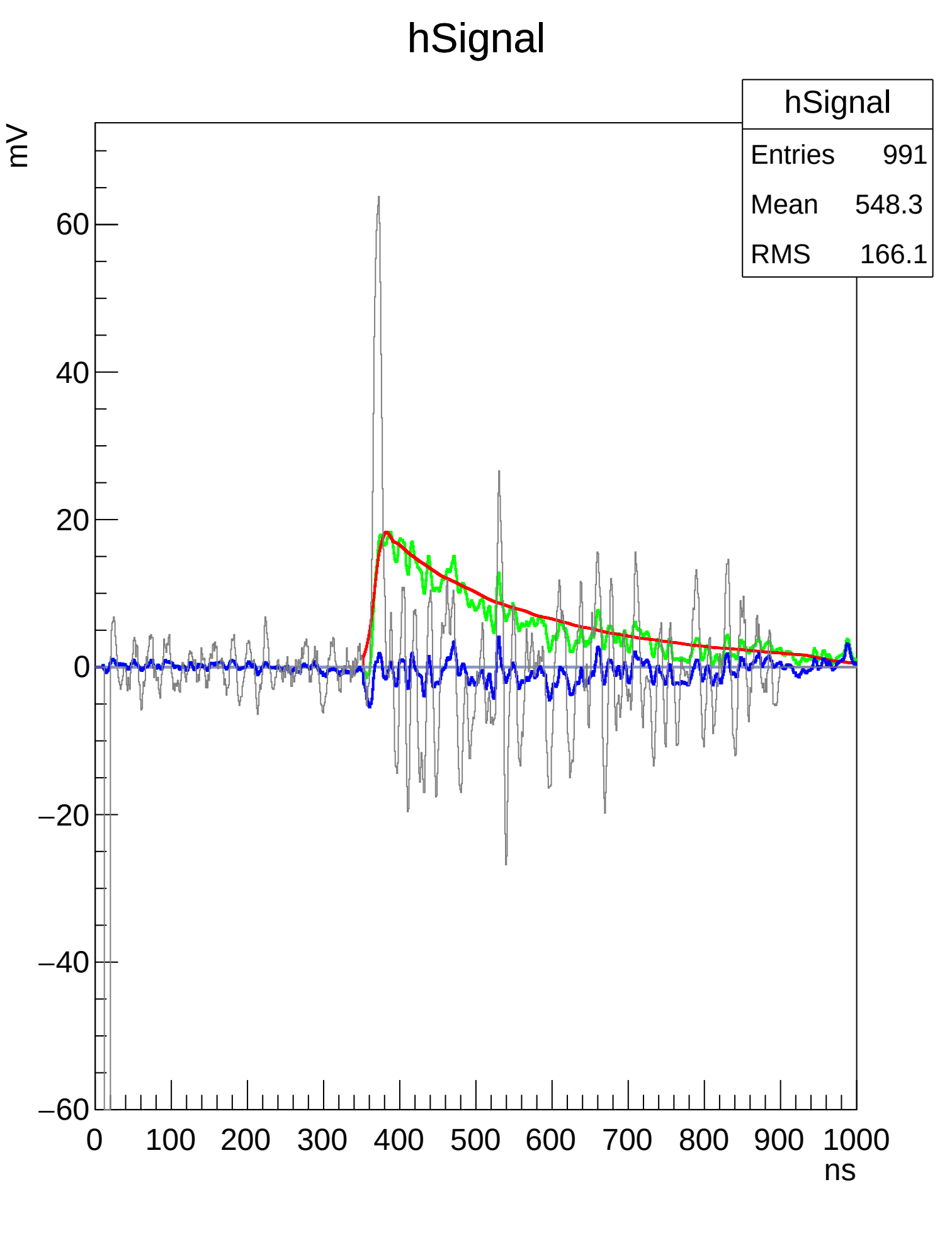
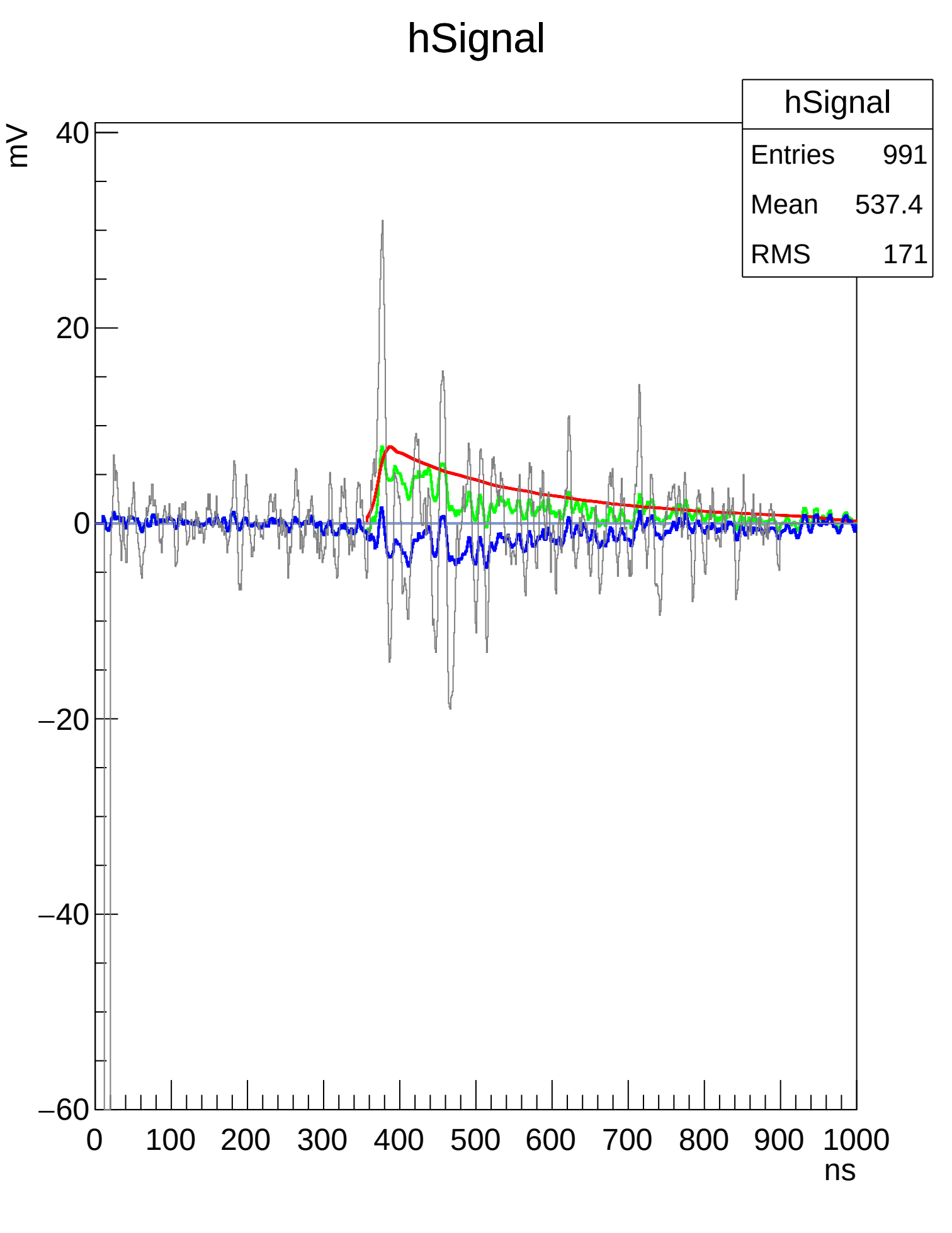
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.3
RMS 166.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.4
RMS 171
mV
40
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−20
−40
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0
100
200
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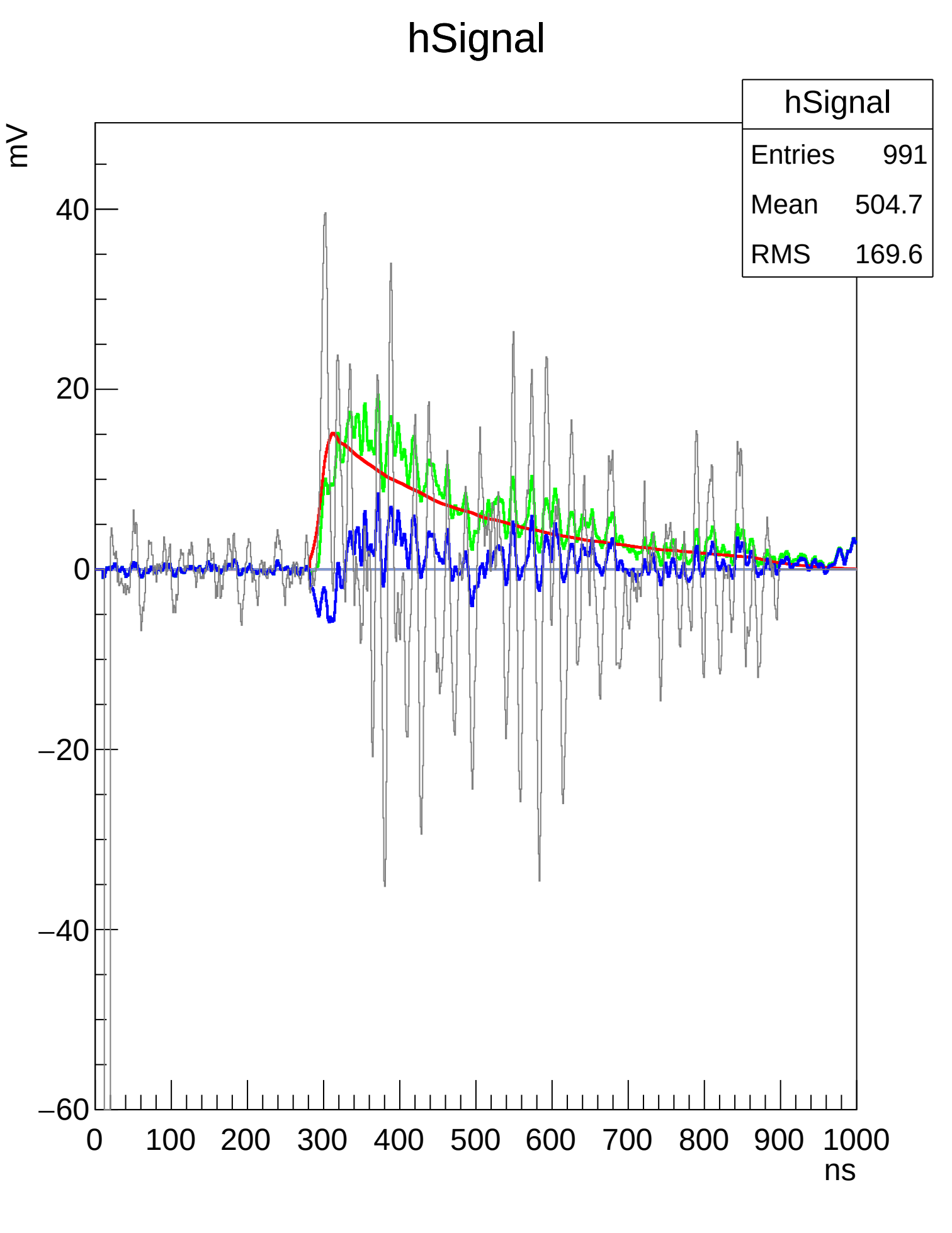
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.7
RMS 169.6
mV
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−20
−40
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0
100
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600
700
800
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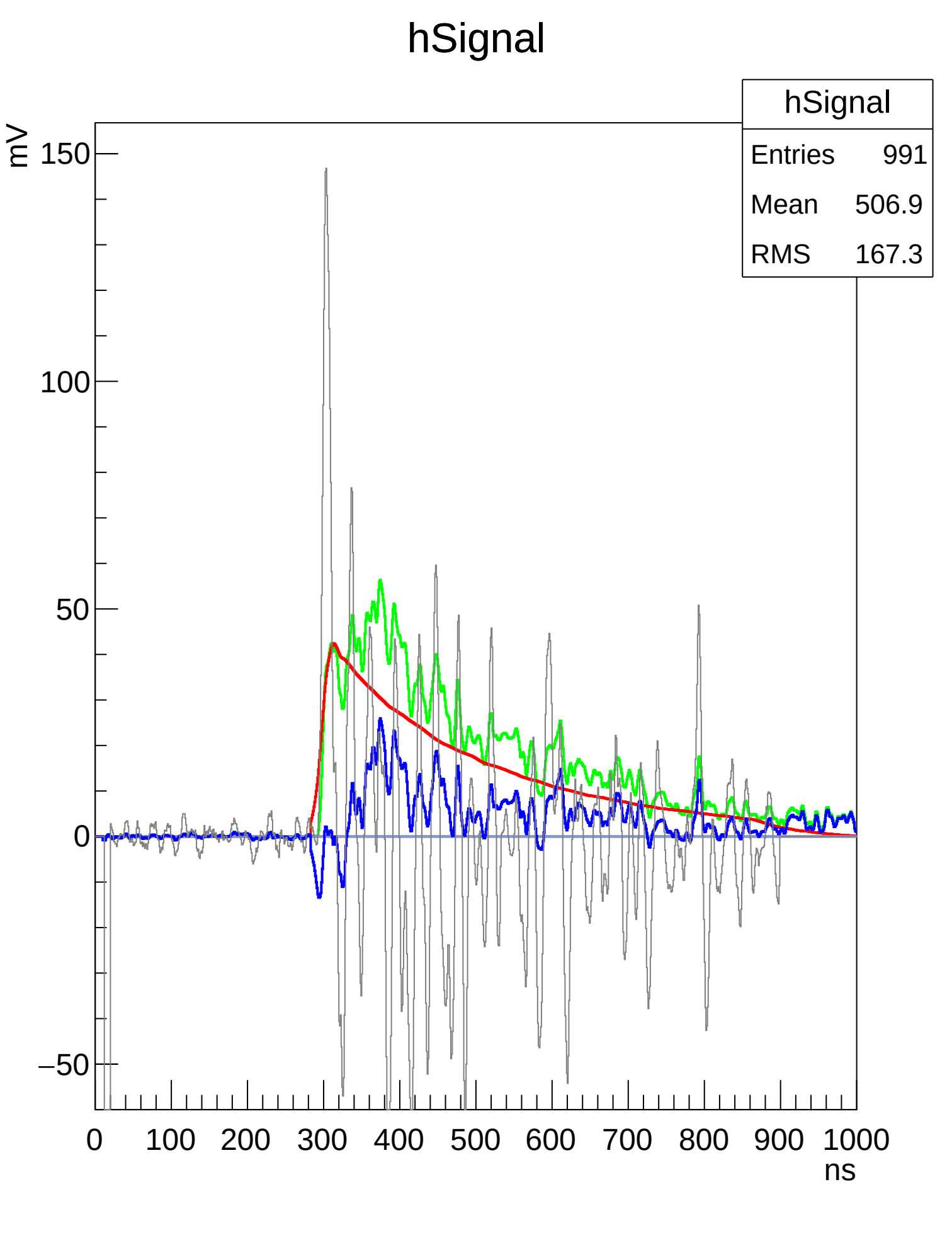
1000
ns


hSignal
hSignal
Entries 991
Mean 506.9
RMS 167.3
mV
150
100
50
0
−50
0
100
200
300
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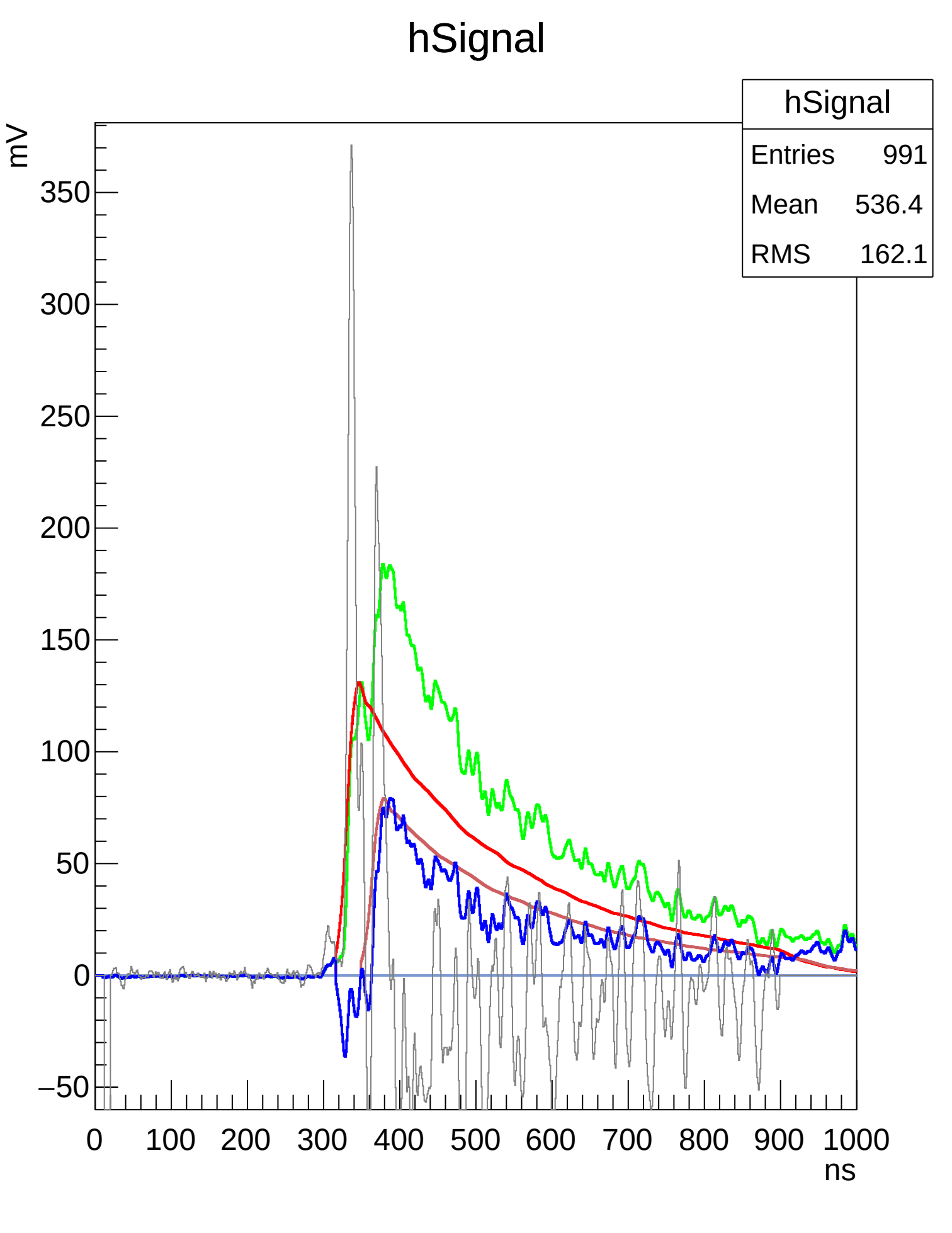
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.4
RMS 162.1
mV
350
300
250
200
150
100
50
0
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0
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200
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400
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800
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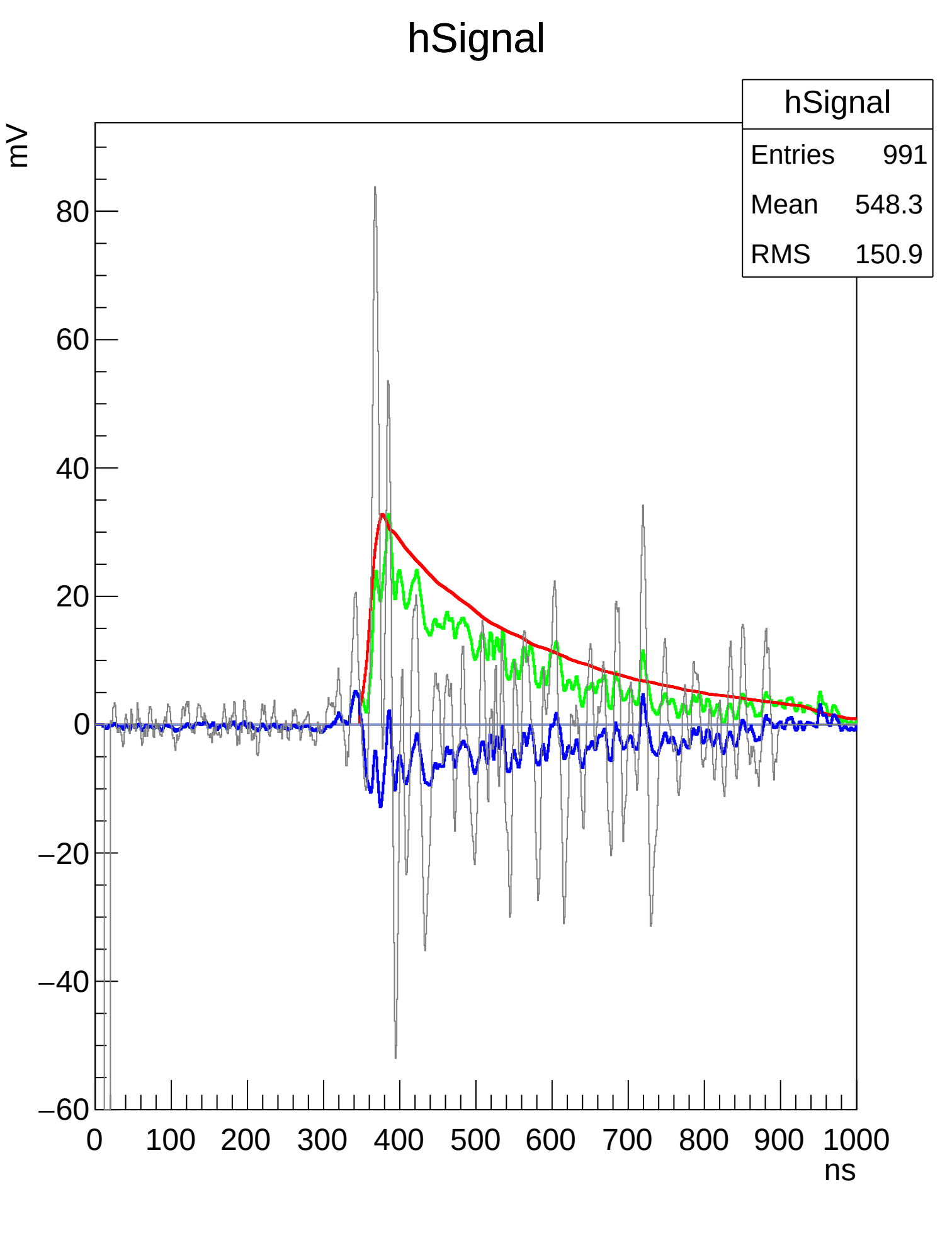
1000
ns


hSignal
hSignal
Entries 991
Mean 548.3
RMS 150.9
mV
80
60
40
20
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−20
−40
−60
0
100
200
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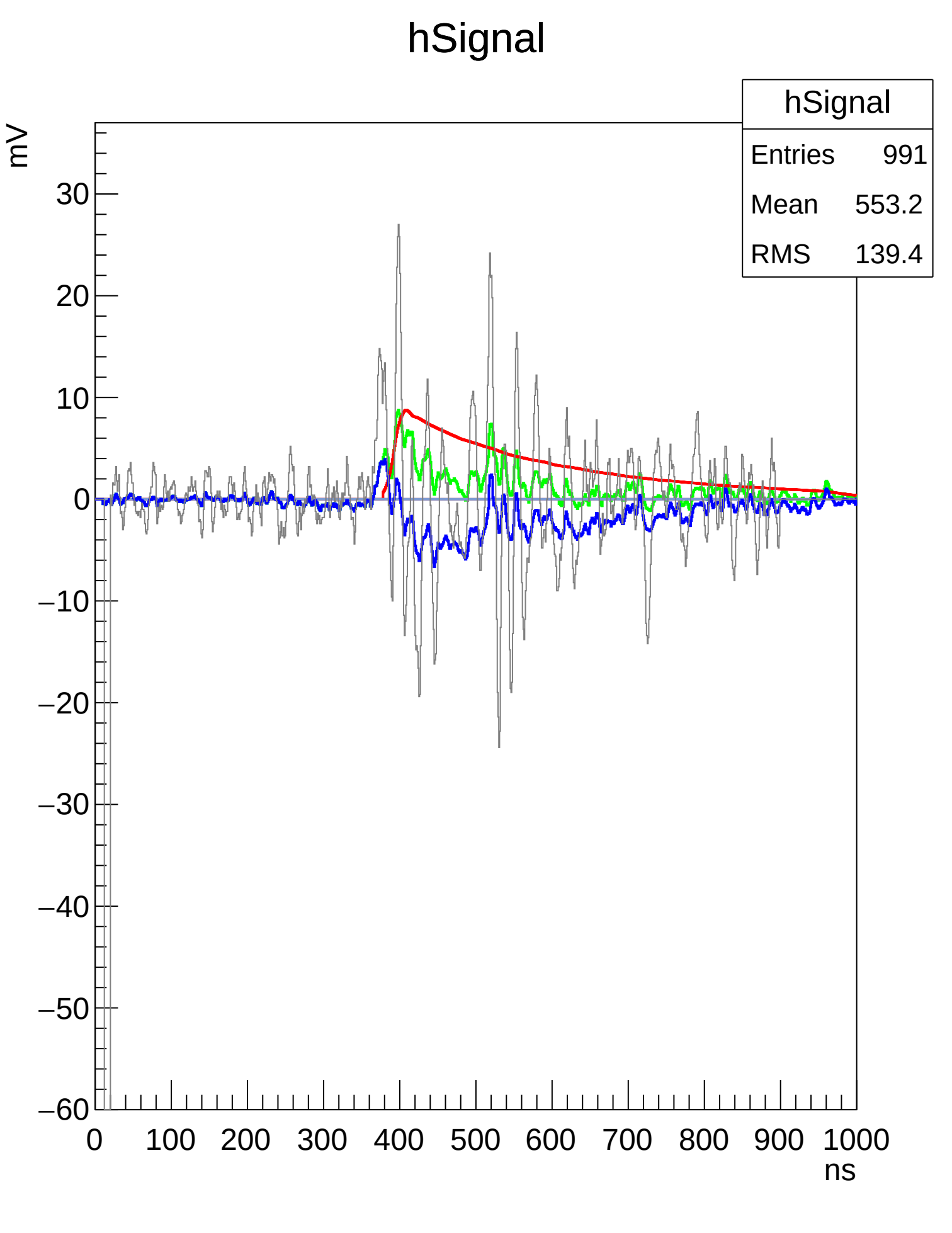
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.2
RMS 139.4
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
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400
500
600
700
800
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1000
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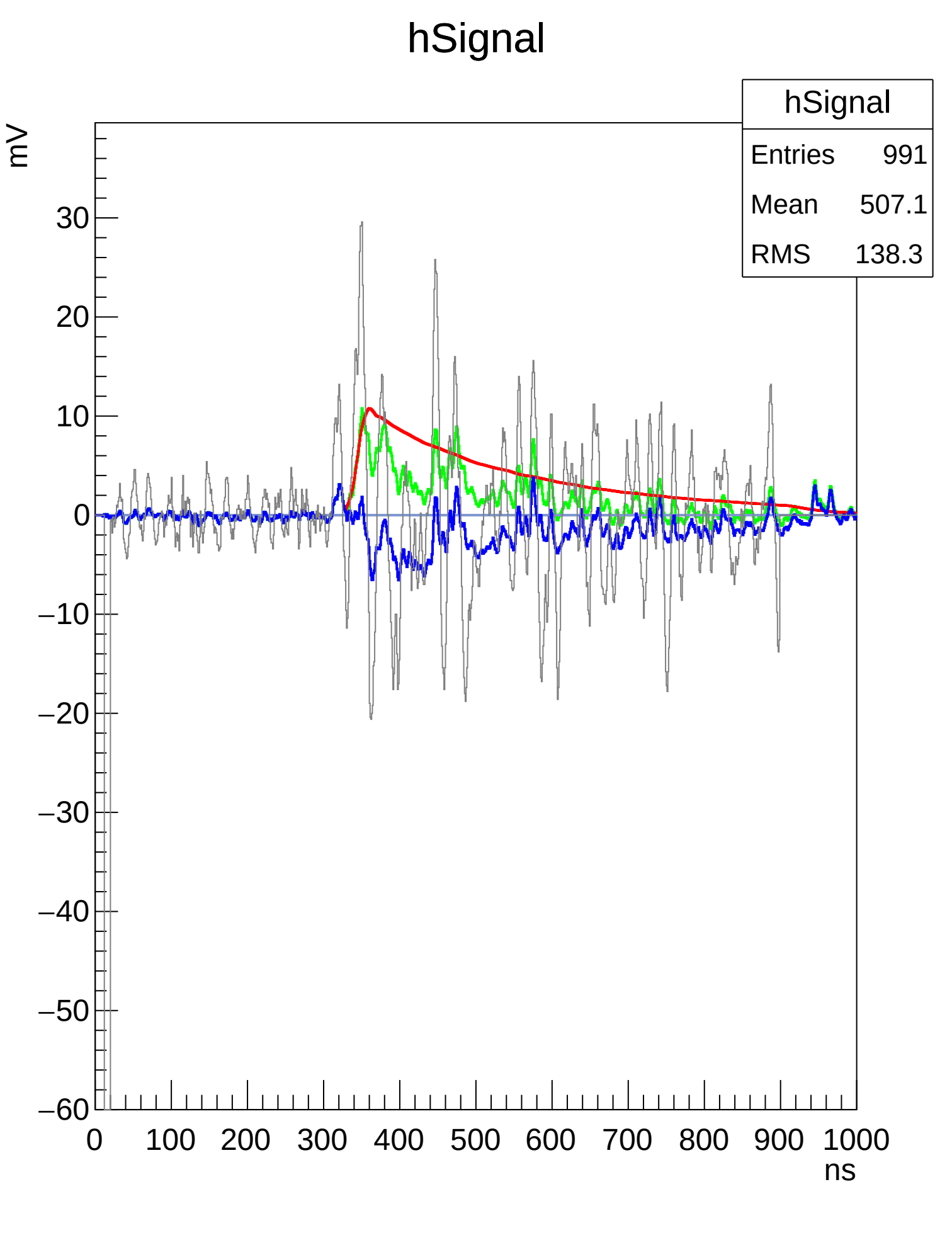
hSignal
hSignal
Entries 991
Mean 507.1
RMS 138.3
mV
30
20
10
0
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−20
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−50
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0
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1000
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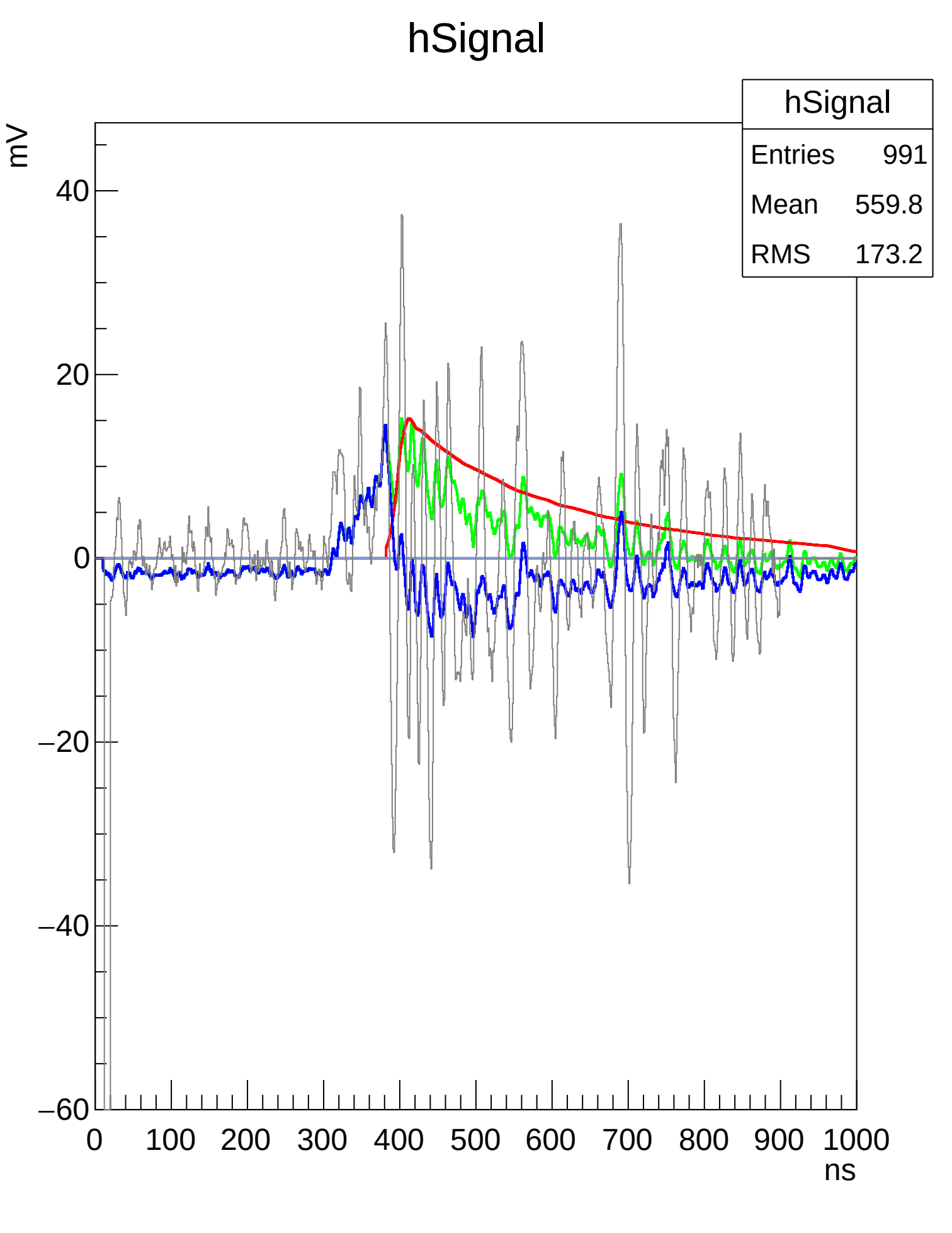
hSignal
hSignal
Entries 991
Mean 559.8
RMS 173.2
mV
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0
−20
−40
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0
100
200
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400
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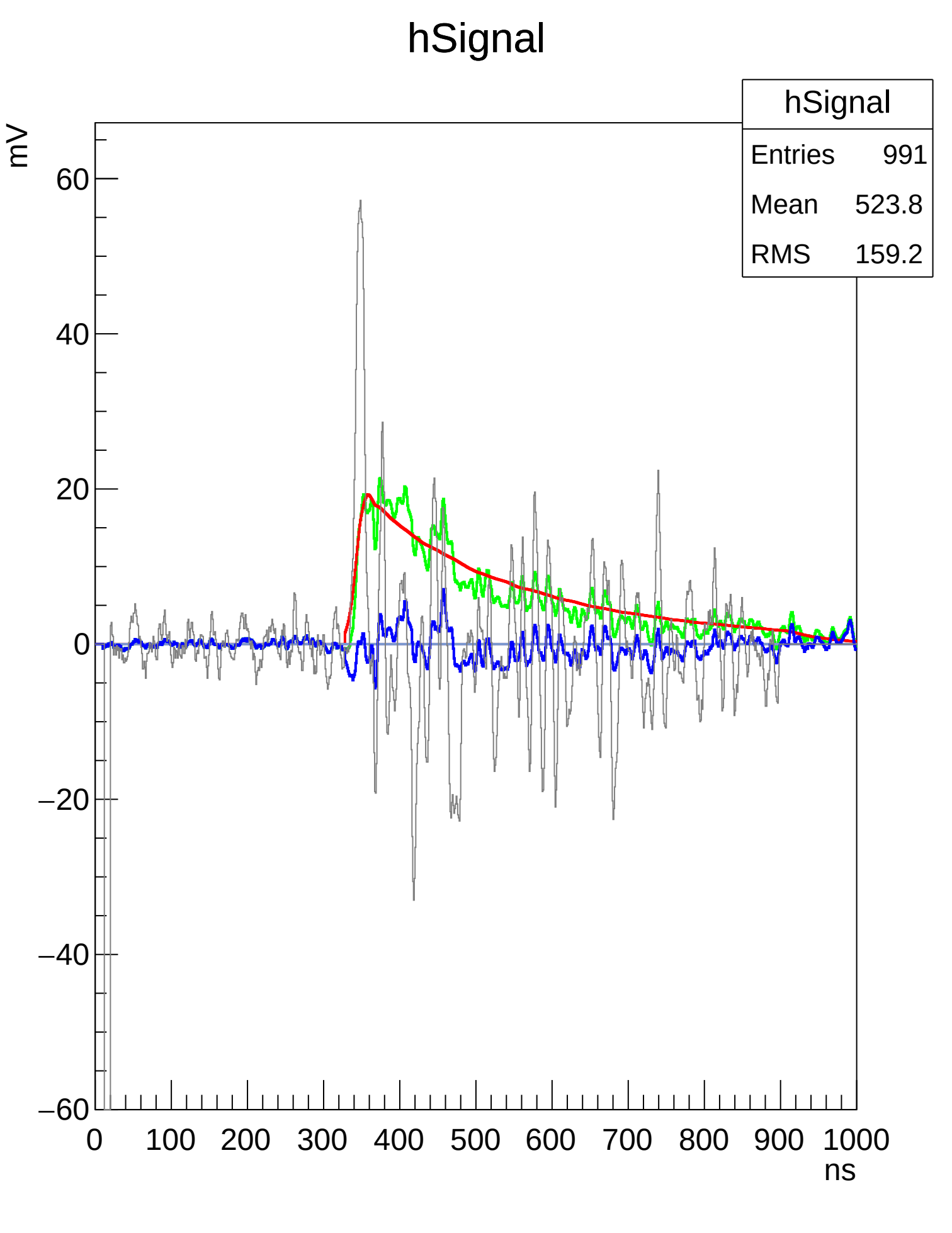
ns


hSignal
hSignal
Entries 991
Mean 523.8
RMS 159.2
mV
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0
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400
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600
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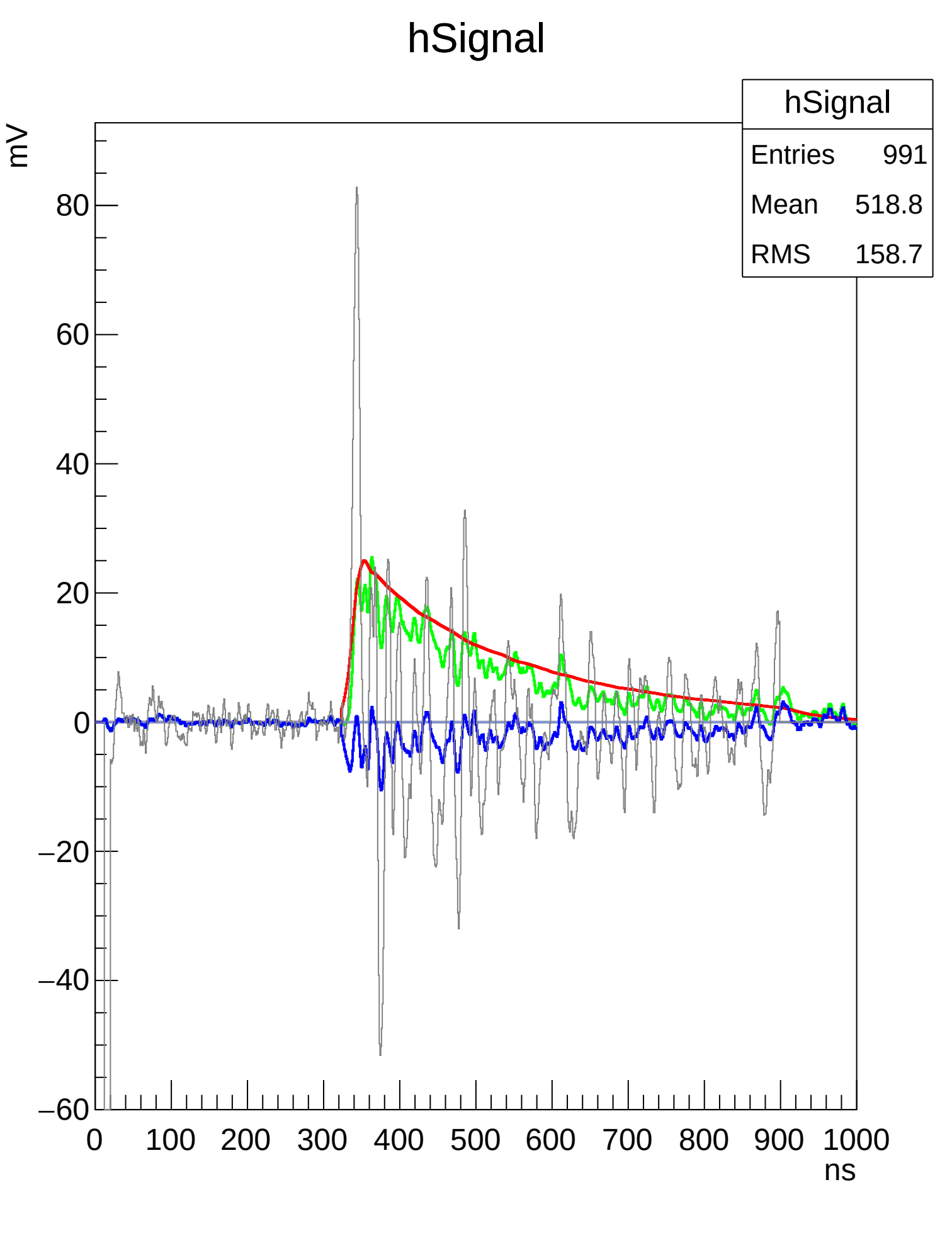
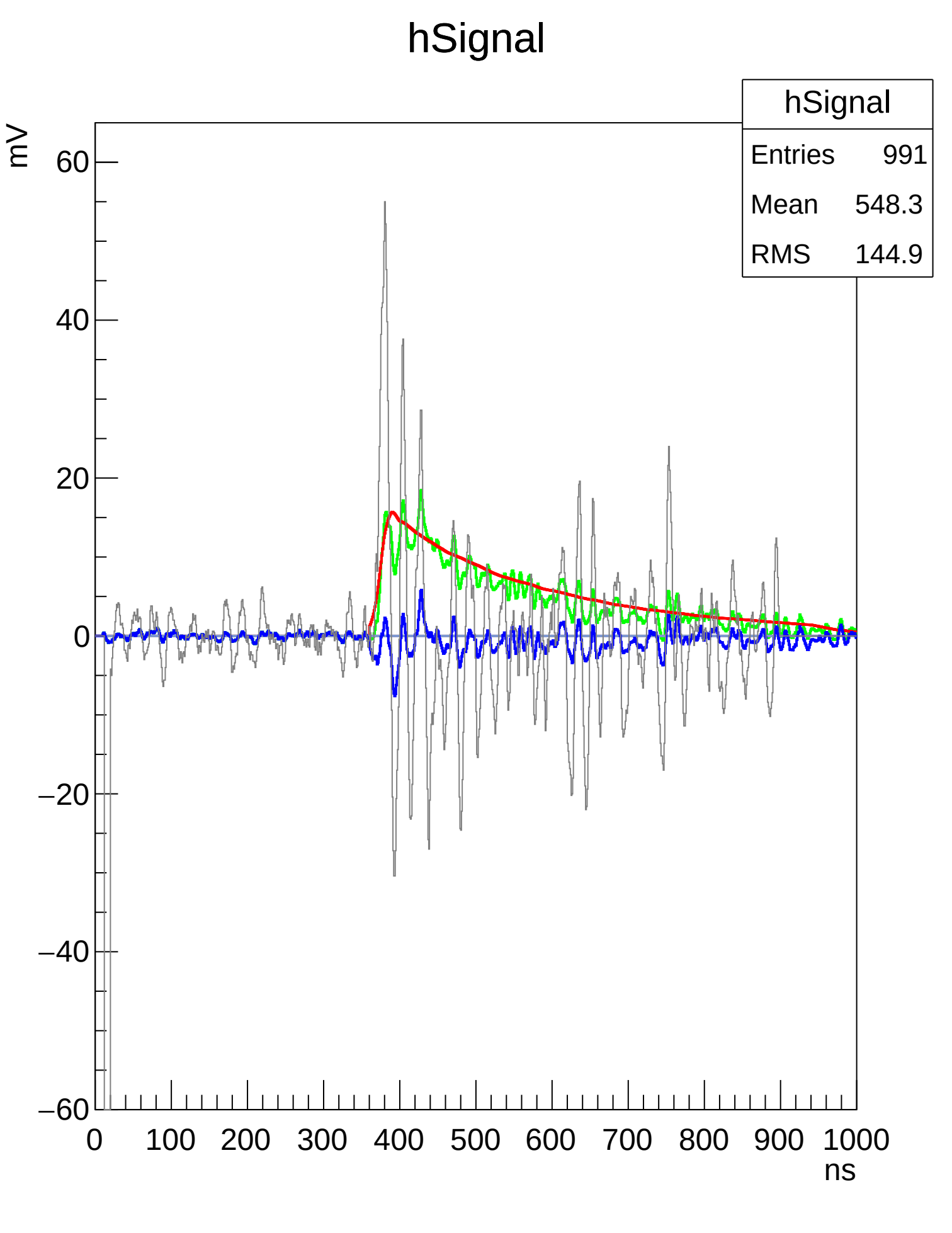
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.8
RMS 158.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.3
RMS 144.9
mV
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20
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−20
−40
−60
0
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400
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800
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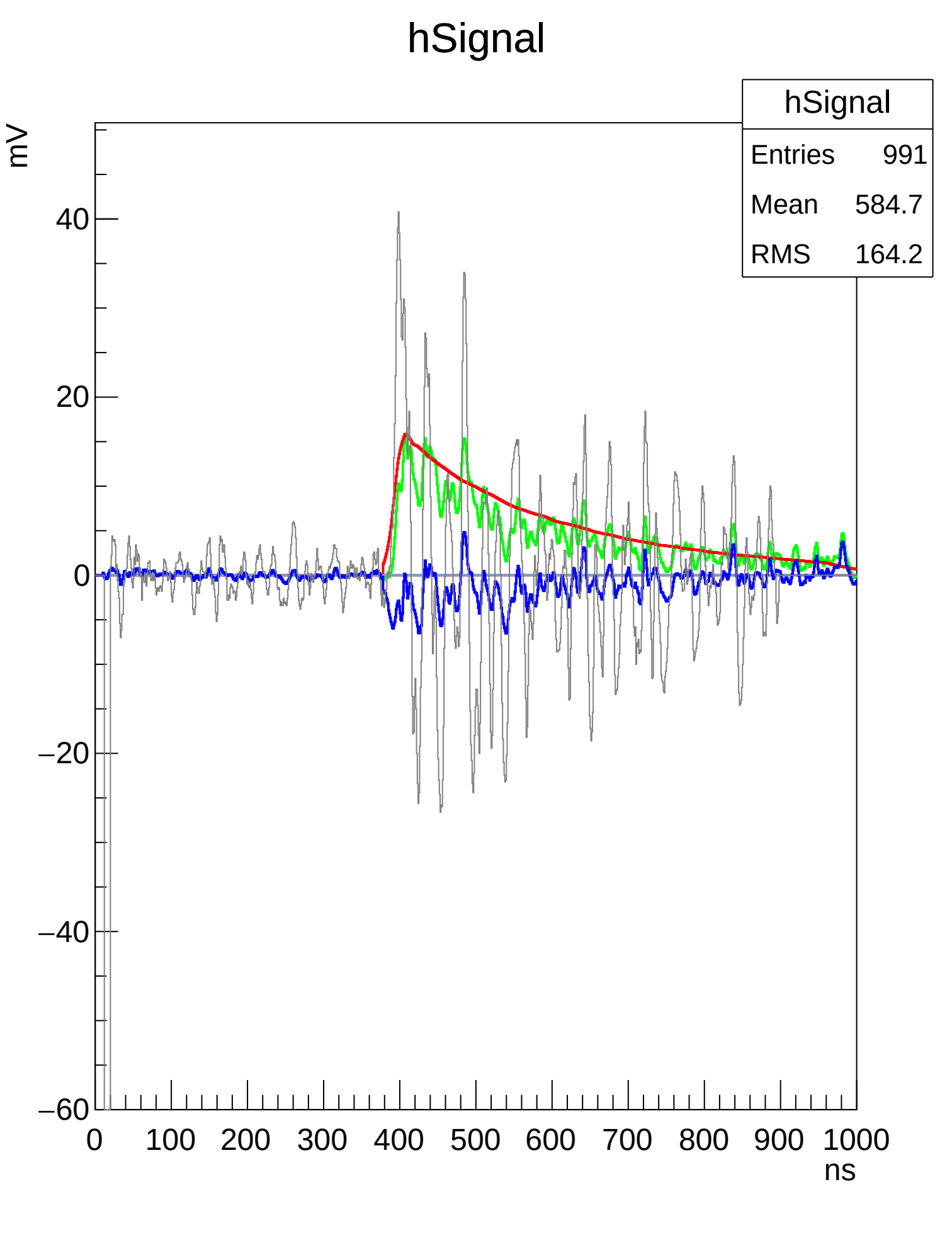
1000
ns


hSignal
hSignal
Entries 991
Mean 584.7
RMS 164.2
mV
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−20
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0
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600
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800
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1000
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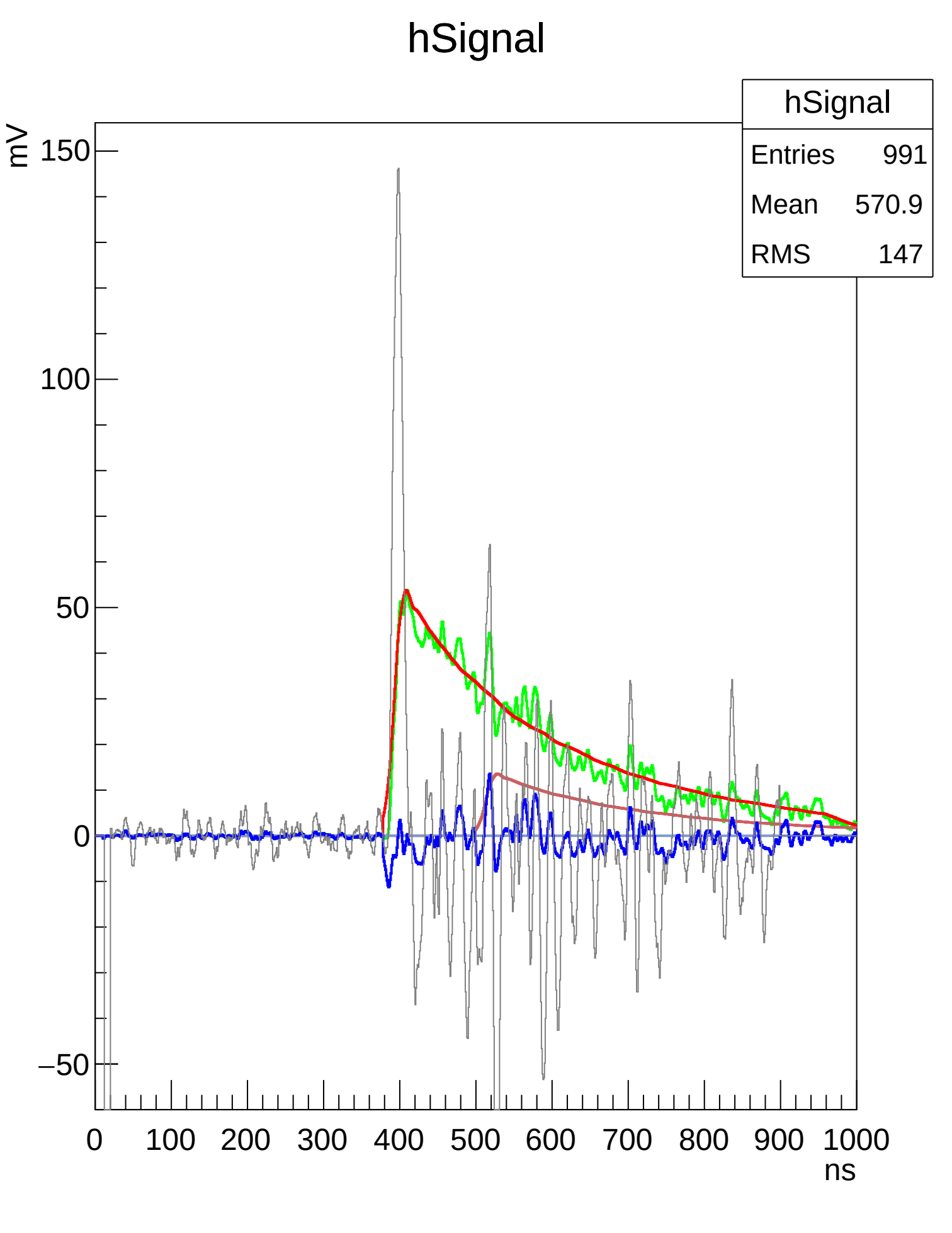
hSignal
hSignal
Entries 991
Mean 570.9
RMS 147
mV
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0
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0
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400
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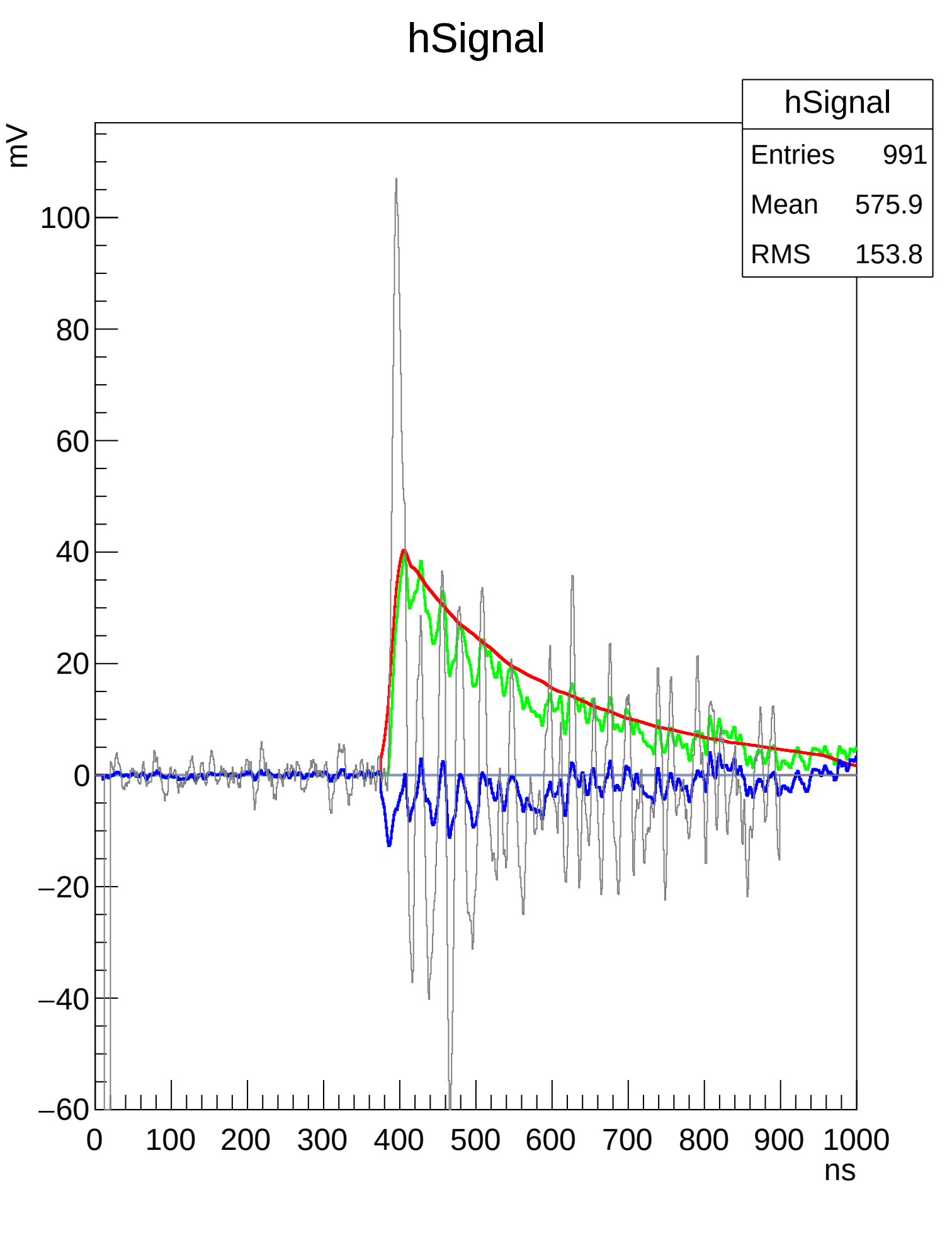
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 153.8
mV
100
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40
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−40
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0
100
200
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400
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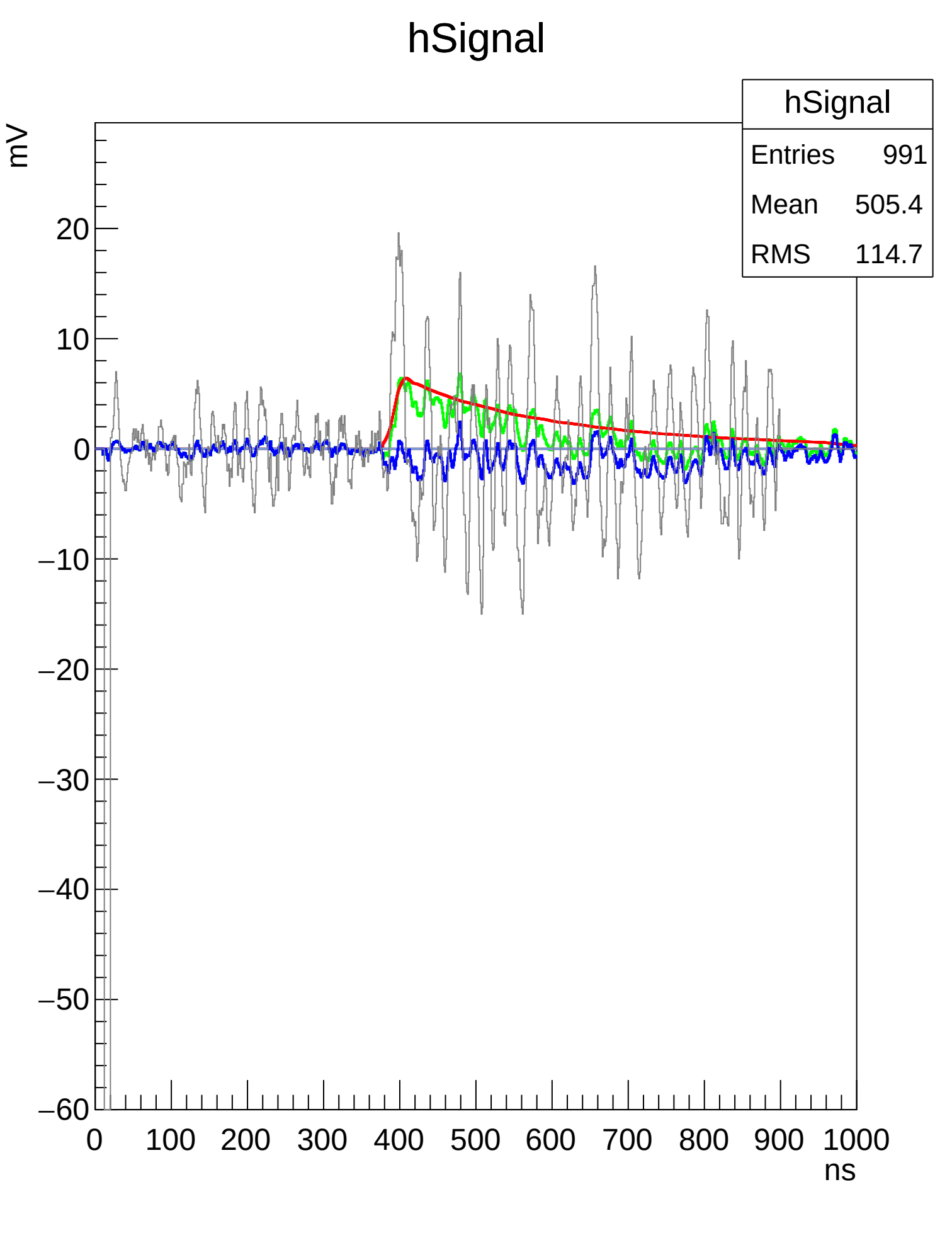
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.4
RMS 114.7
mV
20
10
0
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−40
−50
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0
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200
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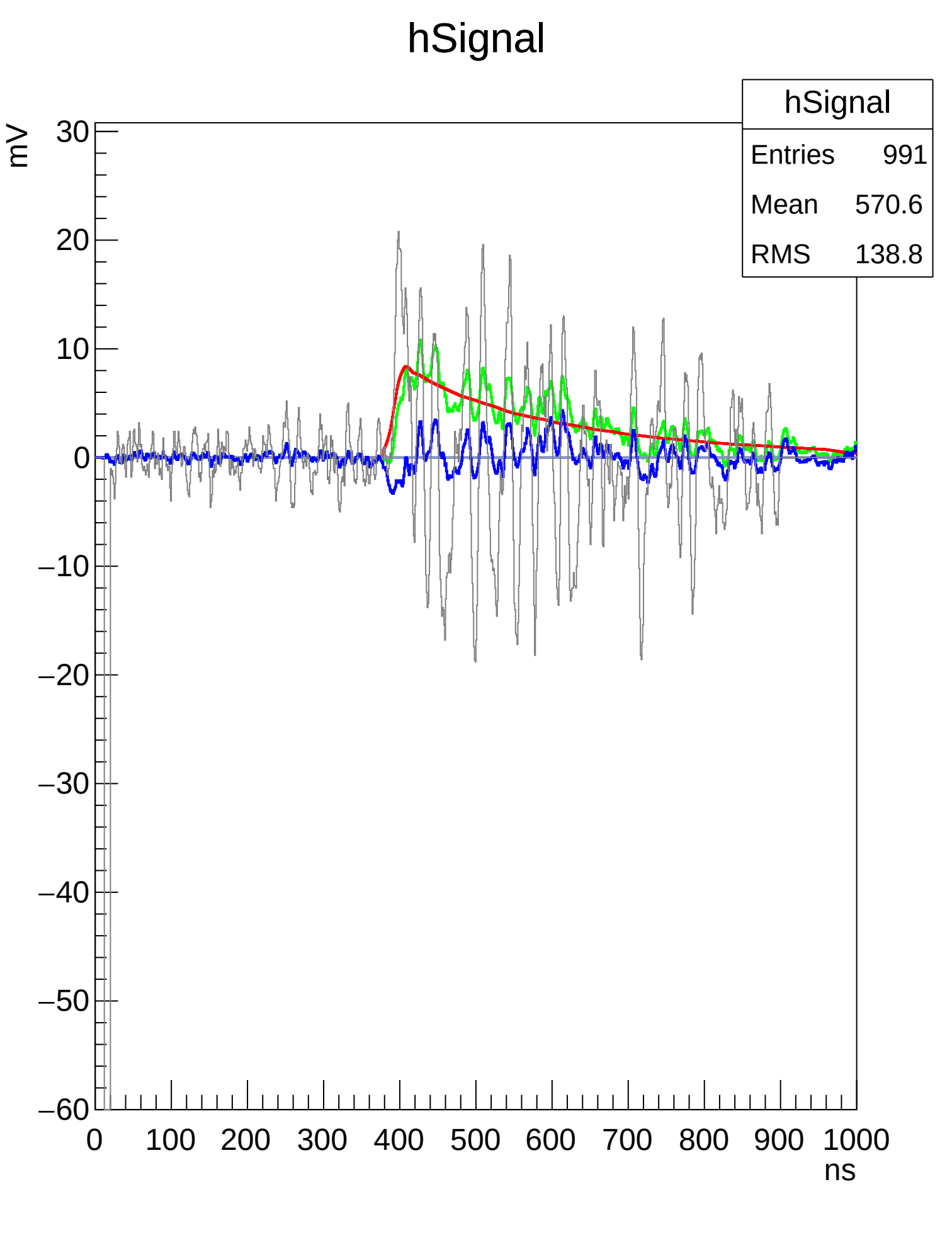
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 138.8
mV
30
20
10
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−50
−60
0
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200
300
400
500
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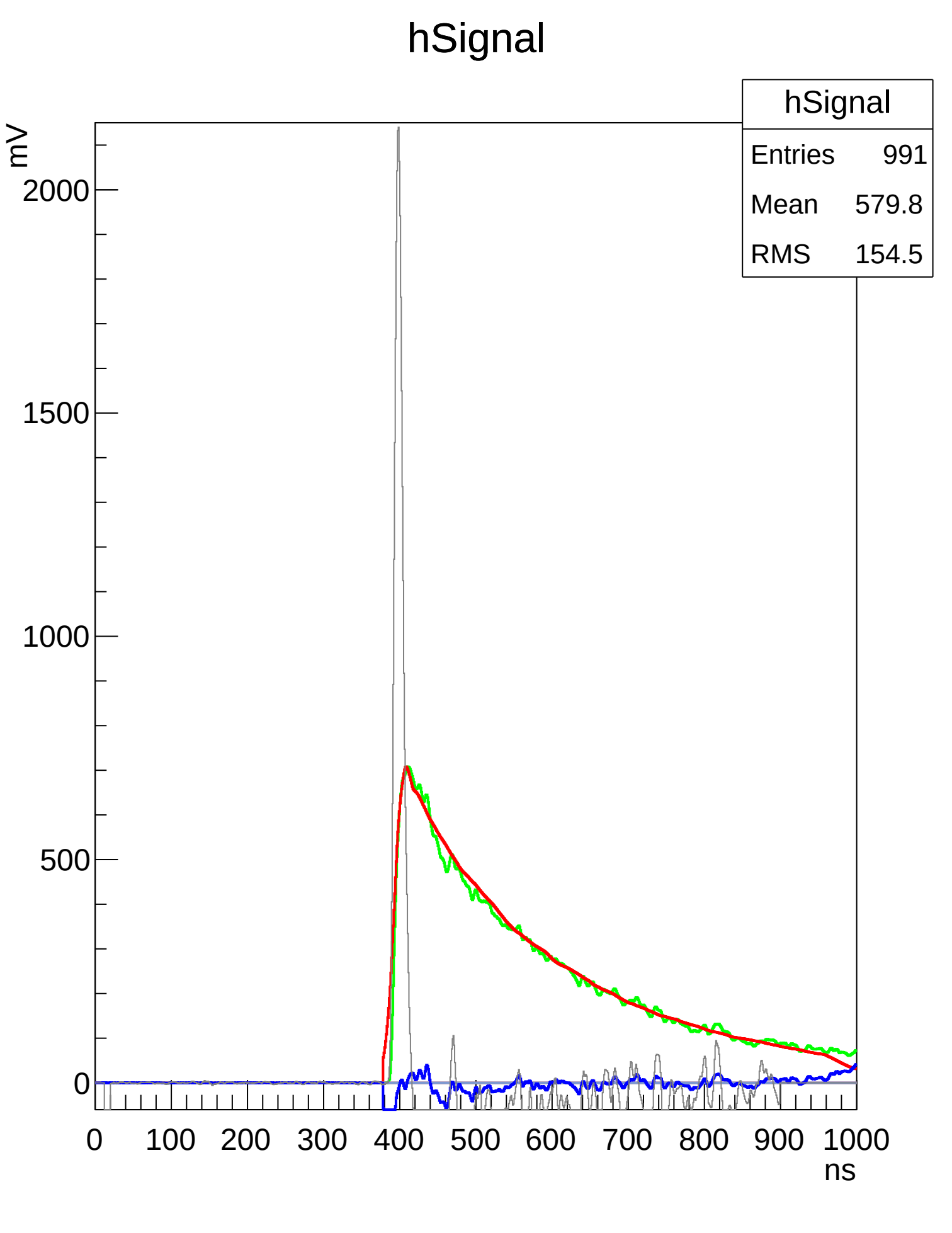
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.8
RMS 154.5
mV
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1500
1000
500
0
0
100
200
300
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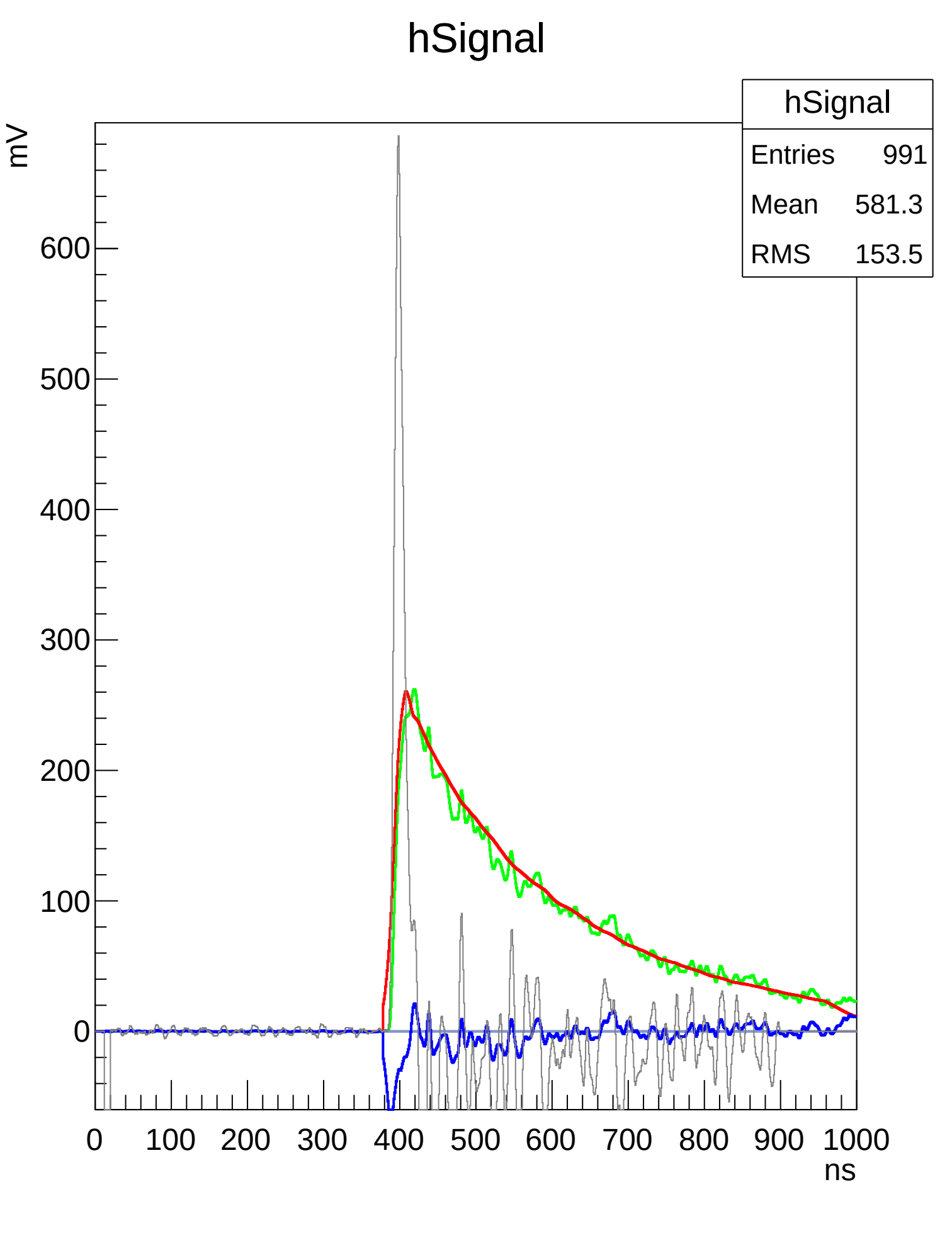
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.3
RMS 153.5
mV
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300
200
100
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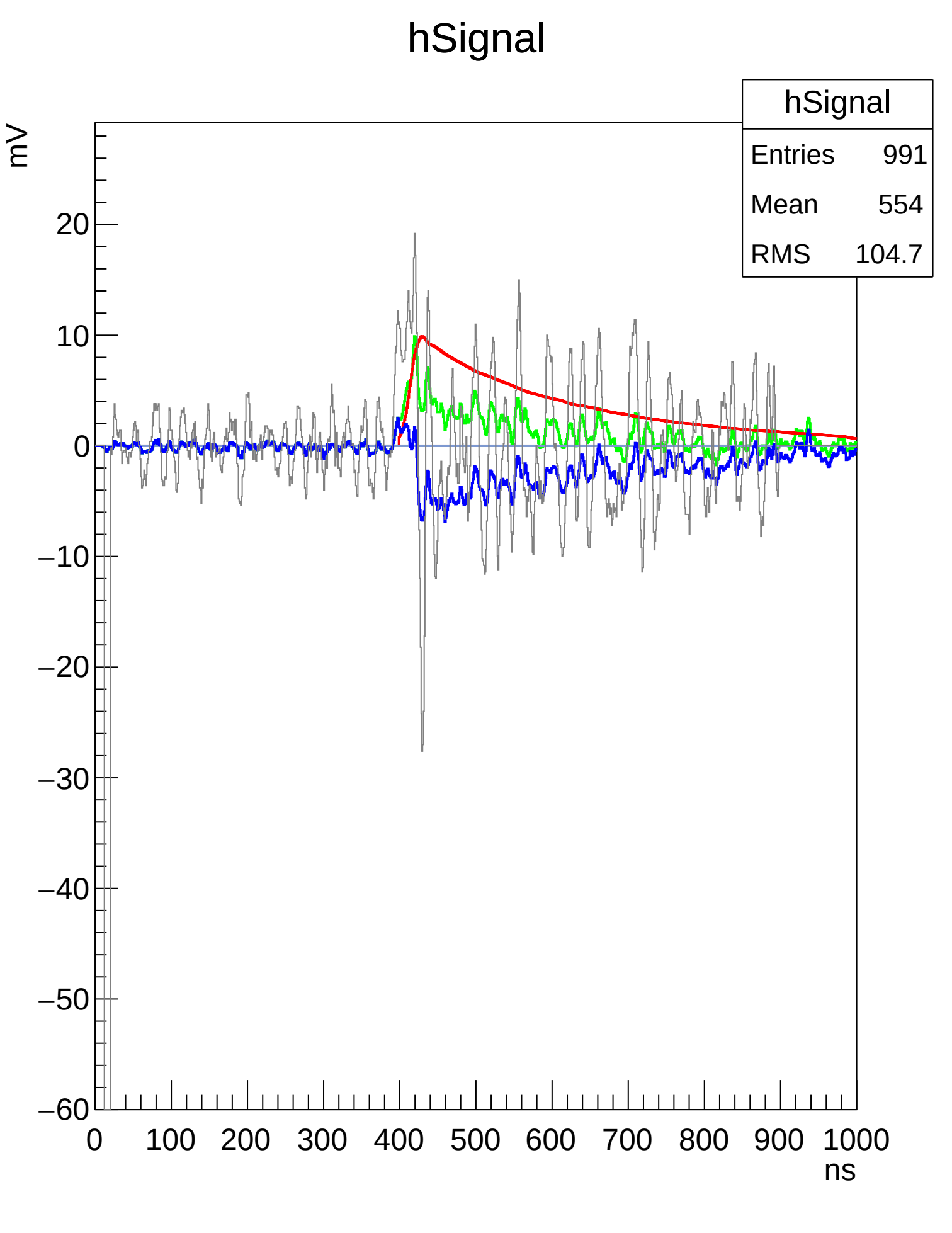
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554
RMS 104.7
mV
20
10
0
−10
−20
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−40
−50
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400
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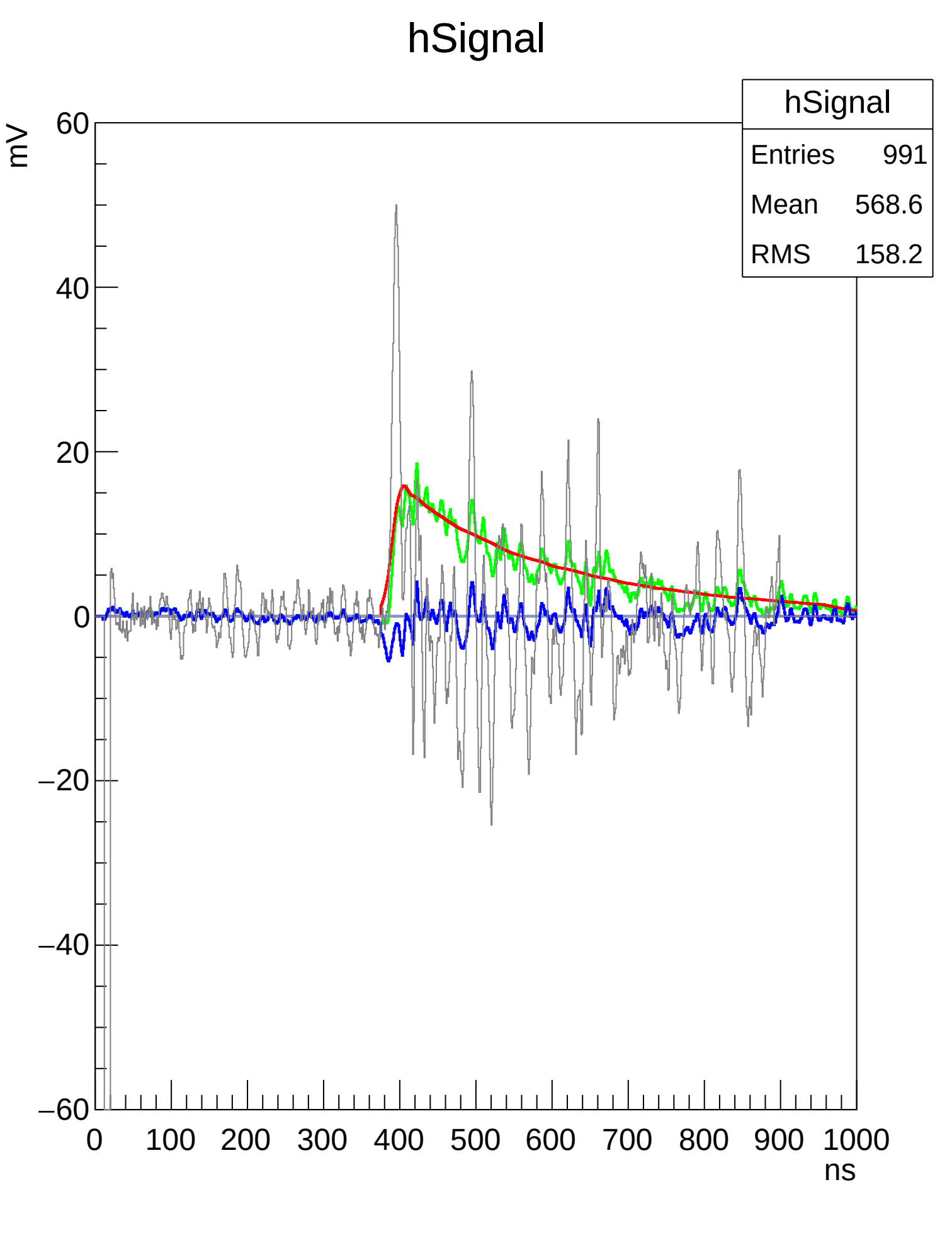
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.6
RMS 158.2
mV
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20
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−20
−40
−60
0
100
200
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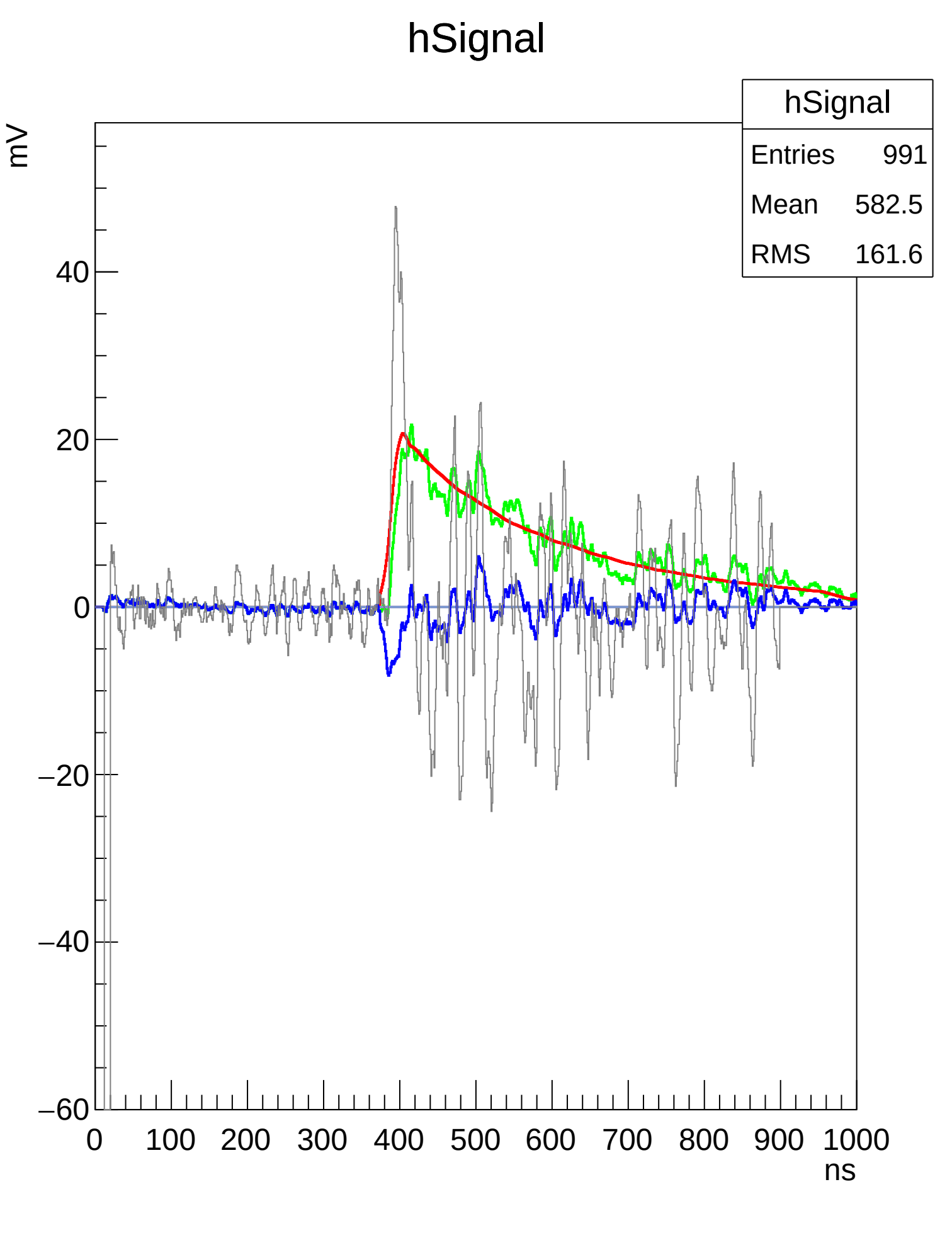
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.5
RMS 161.6
mV
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−20
−40
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0
100
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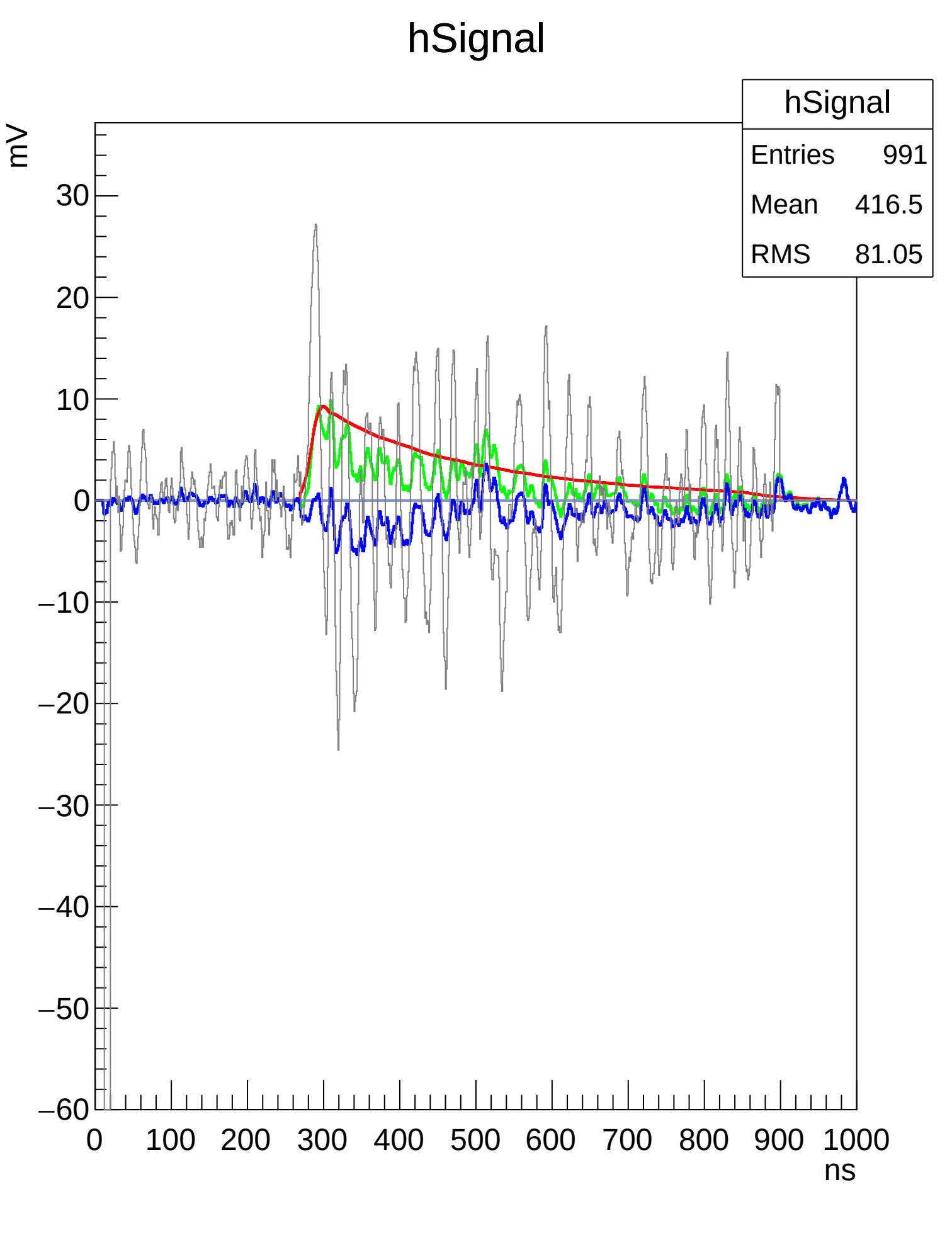
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 416.5
RMS 81.05
mV
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20
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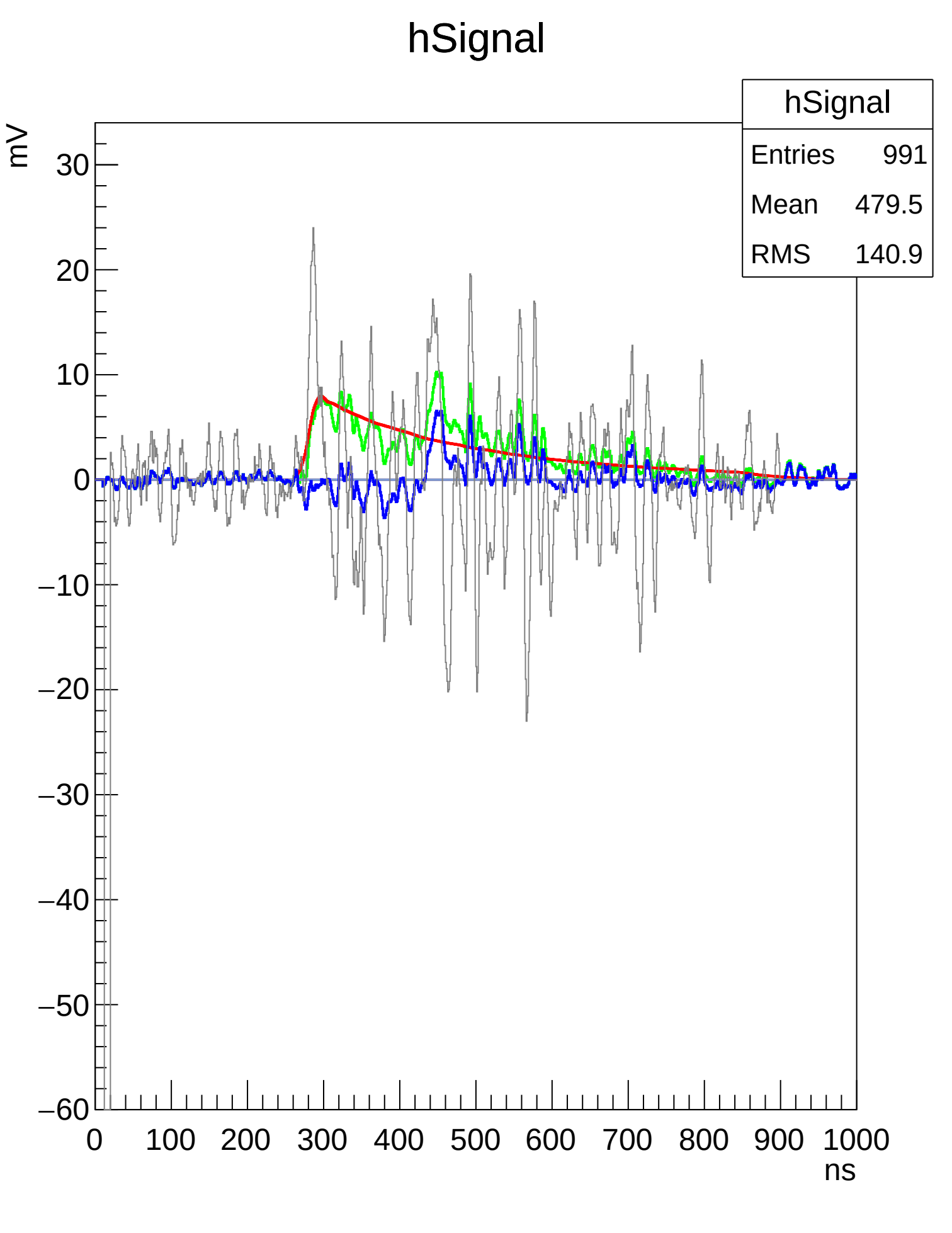
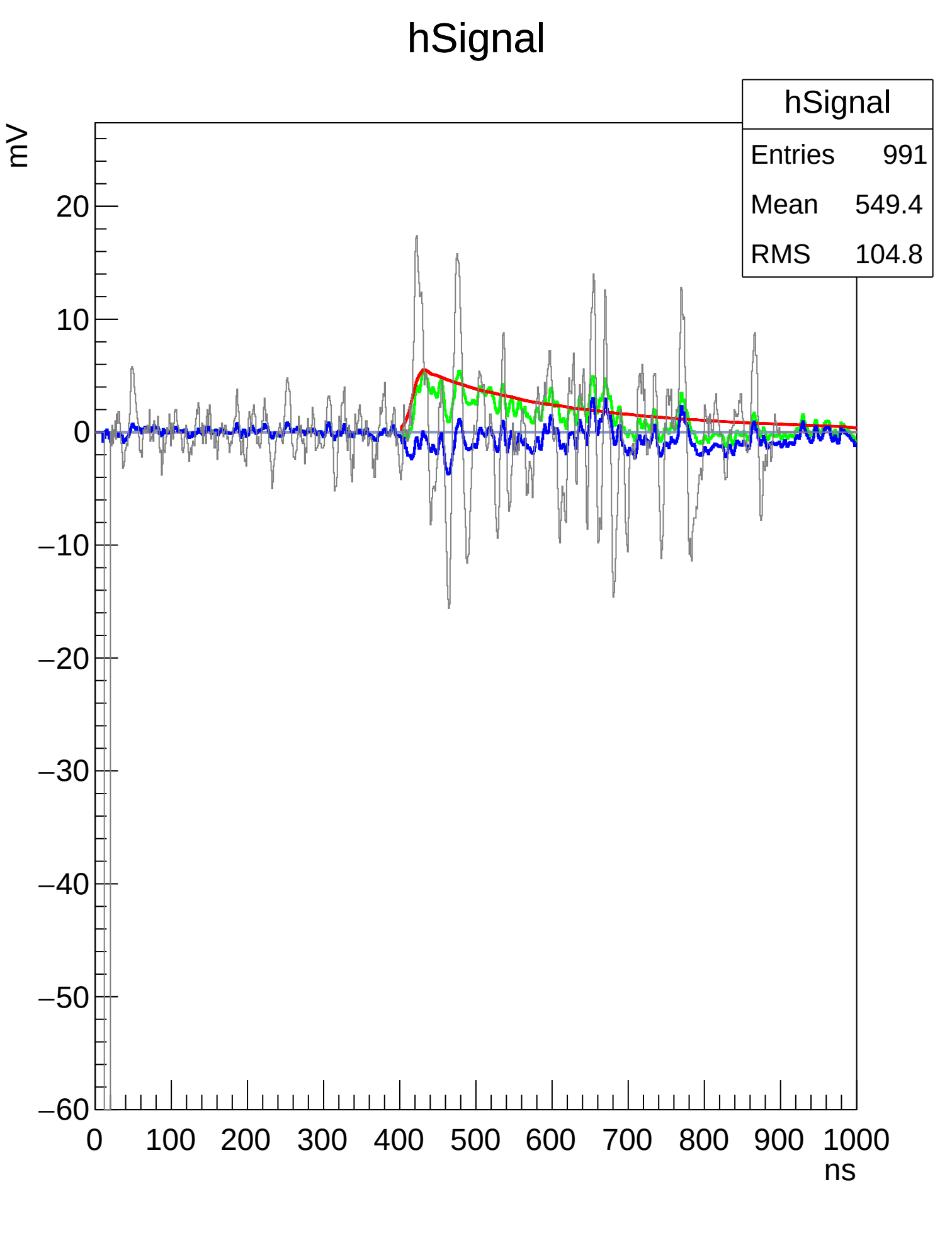
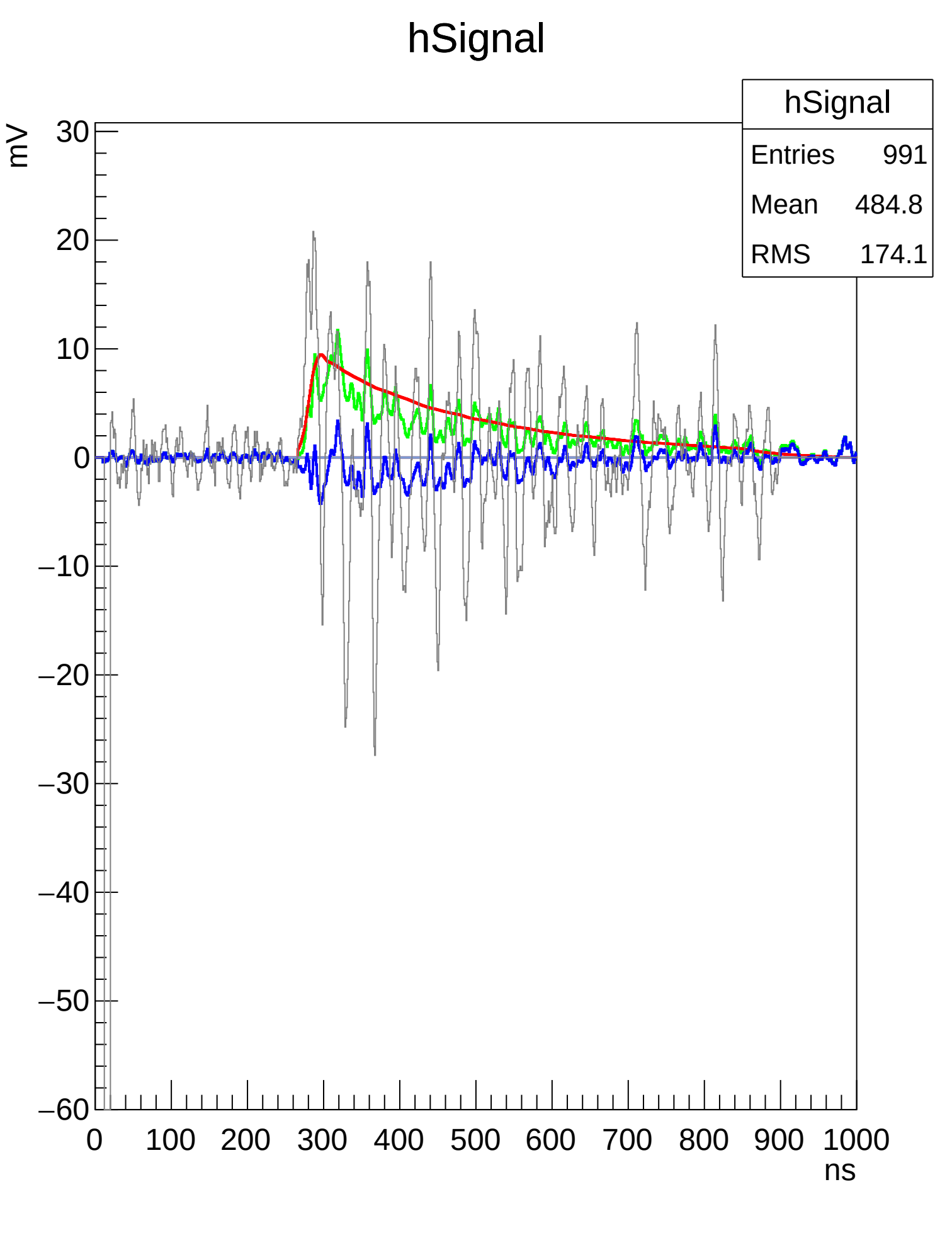
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.5
RMS 140.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.4
RMS 104.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 484.8
RMS 174.1
mV
30
20
10
0
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−20
−30
−40
−50
−60
0
100
200
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400
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600
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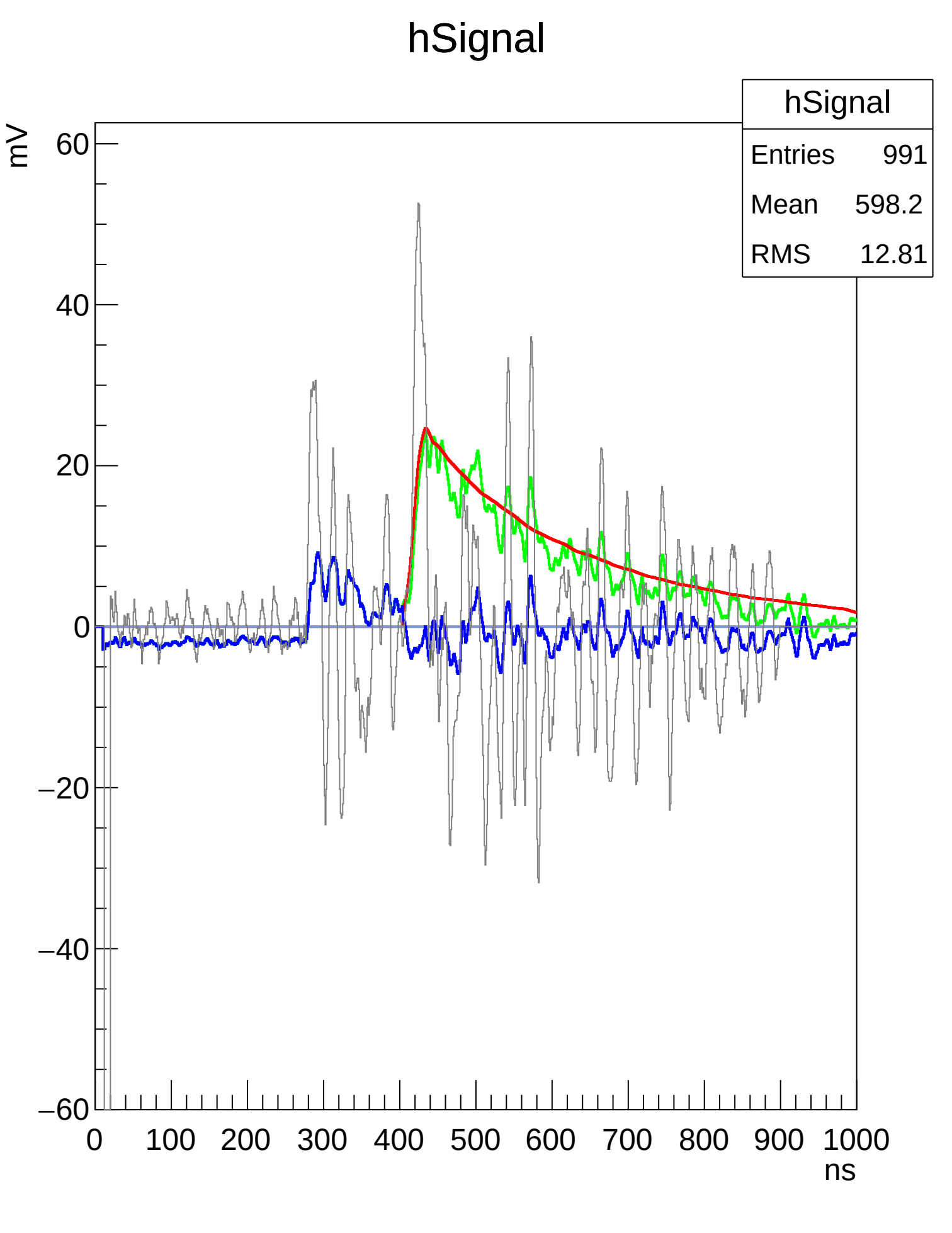
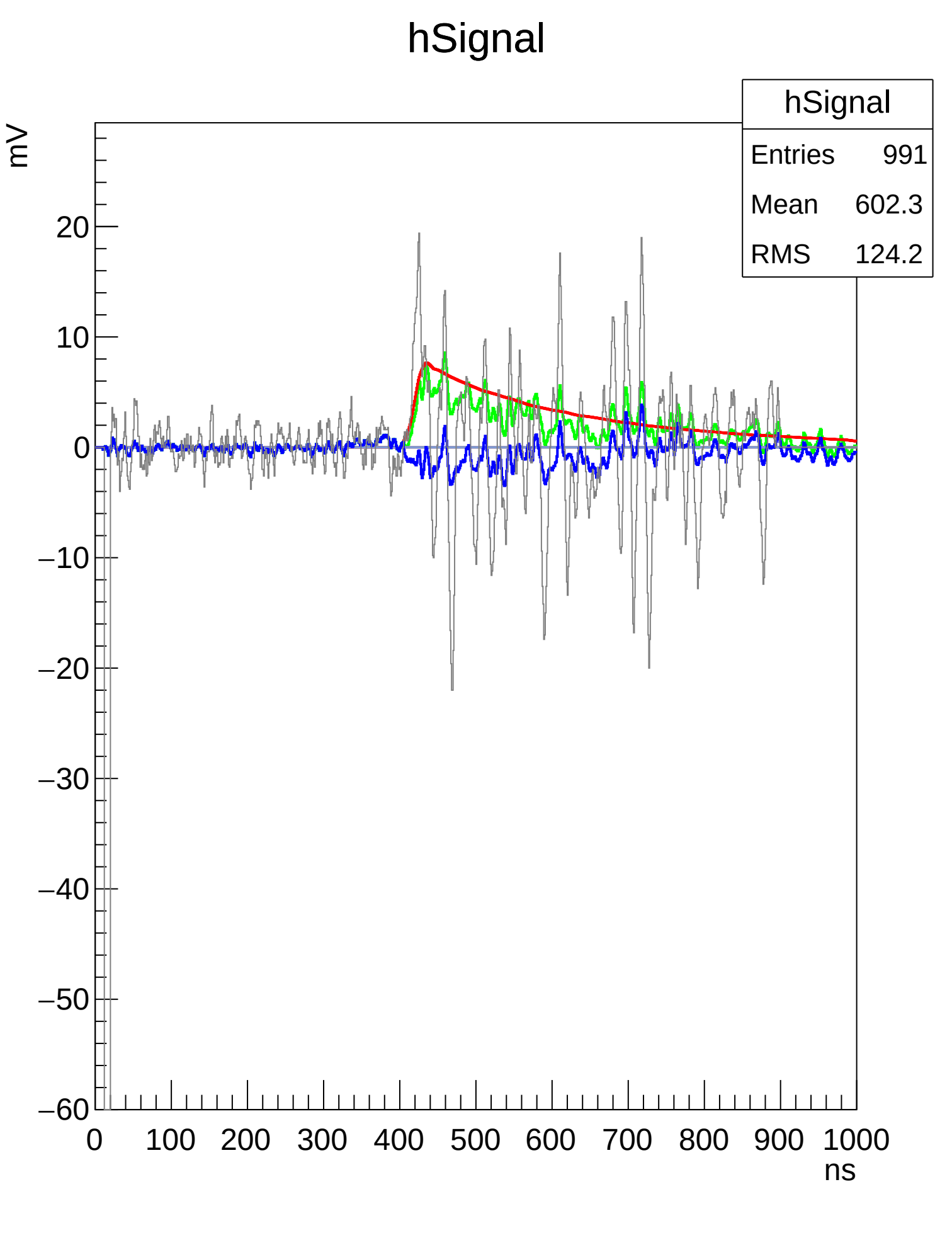
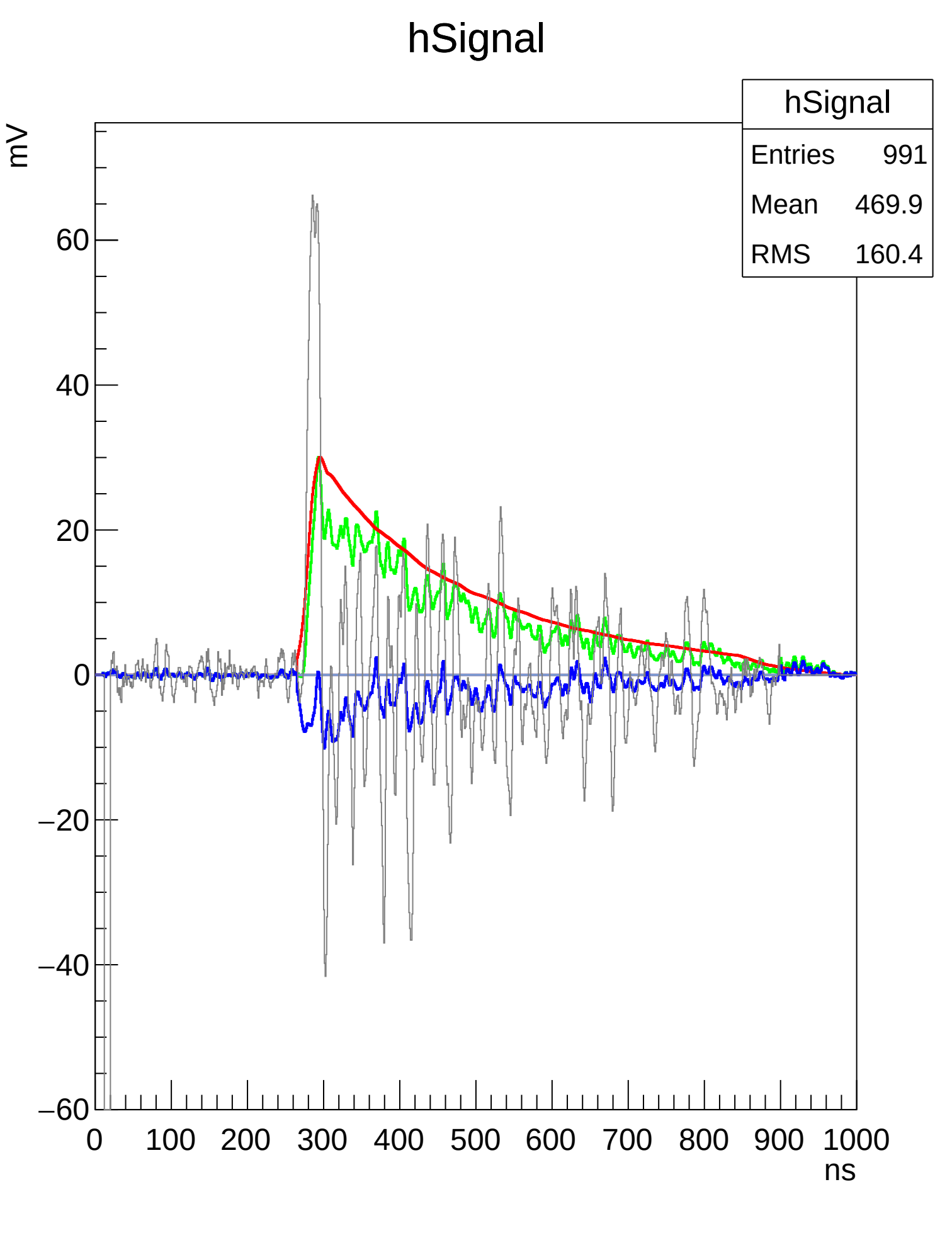
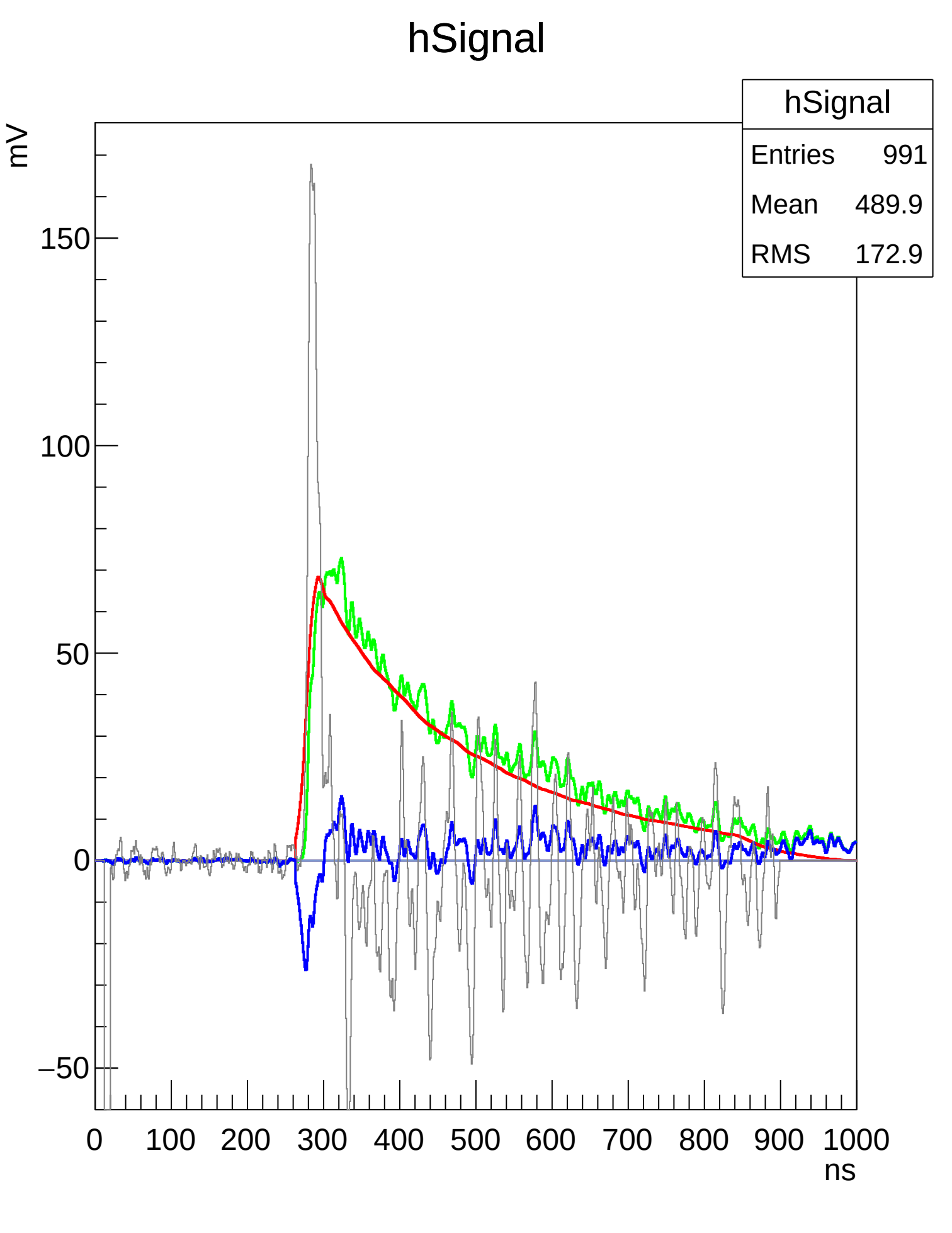
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.2
RMS 12.81
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.3
RMS 124.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 469.9
RMS 160.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.9
RMS 172.9
mV
150
100
50
0
−50
0
100
200
300
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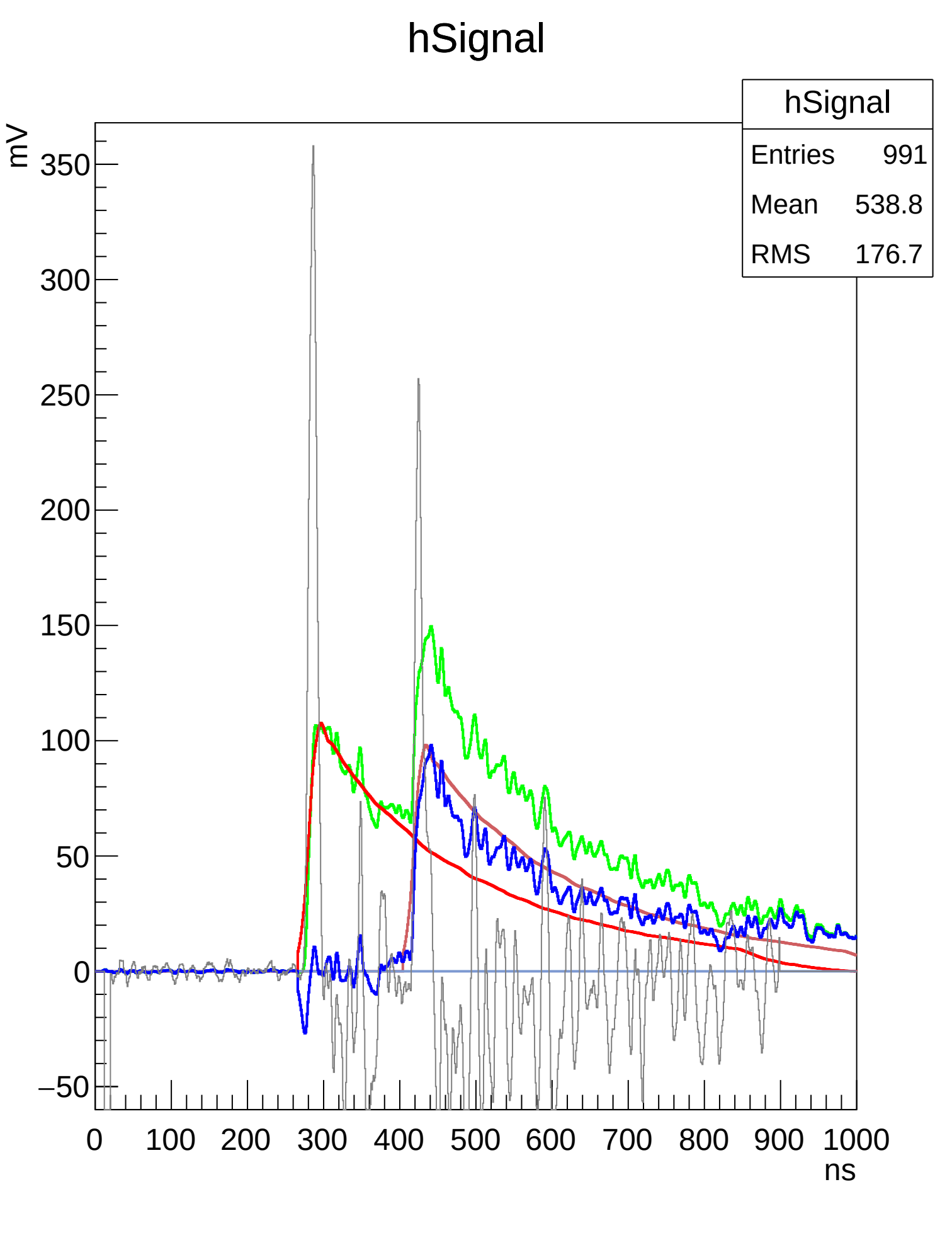
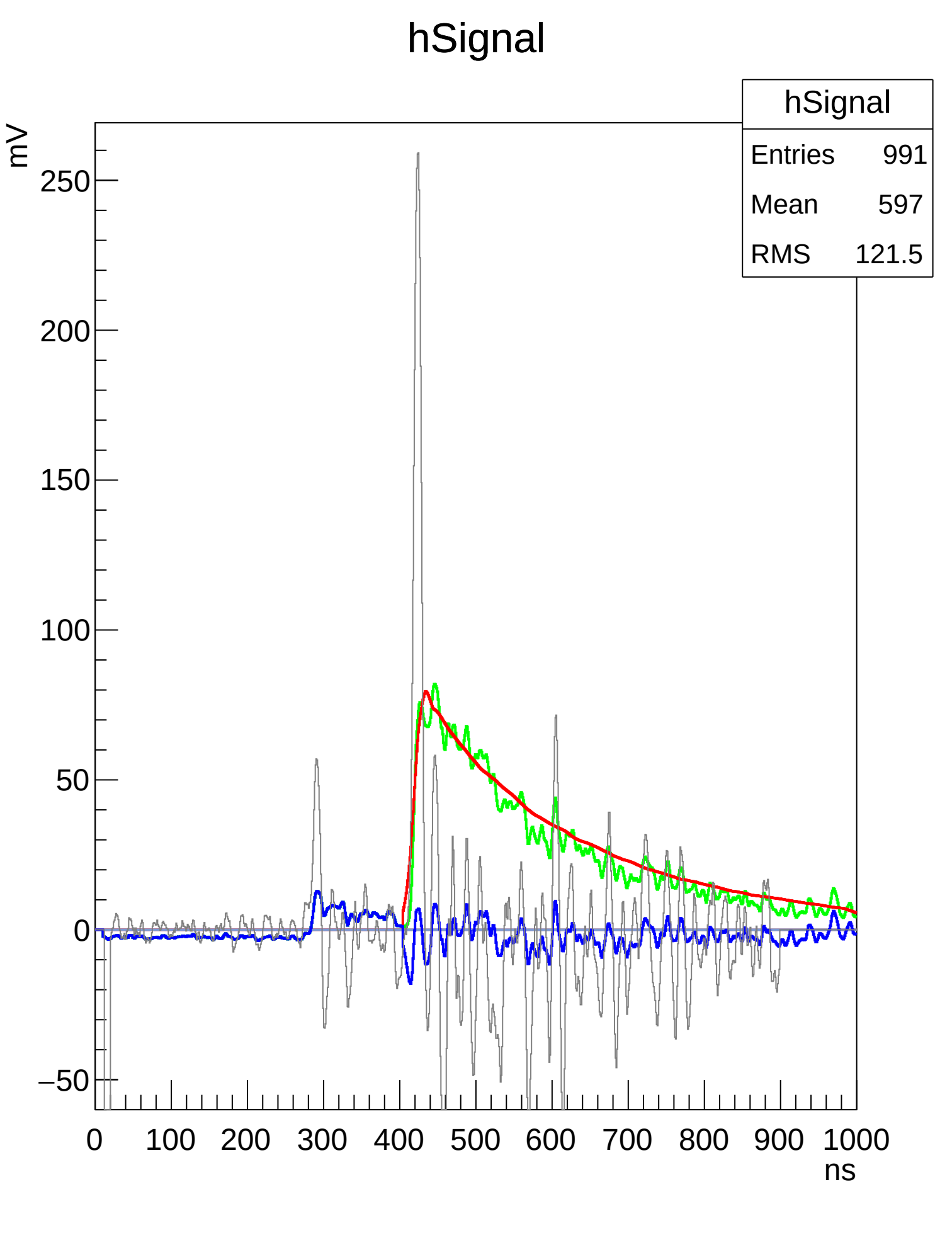
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.8
RMS 176.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597
RMS 121.5
mV
250
200
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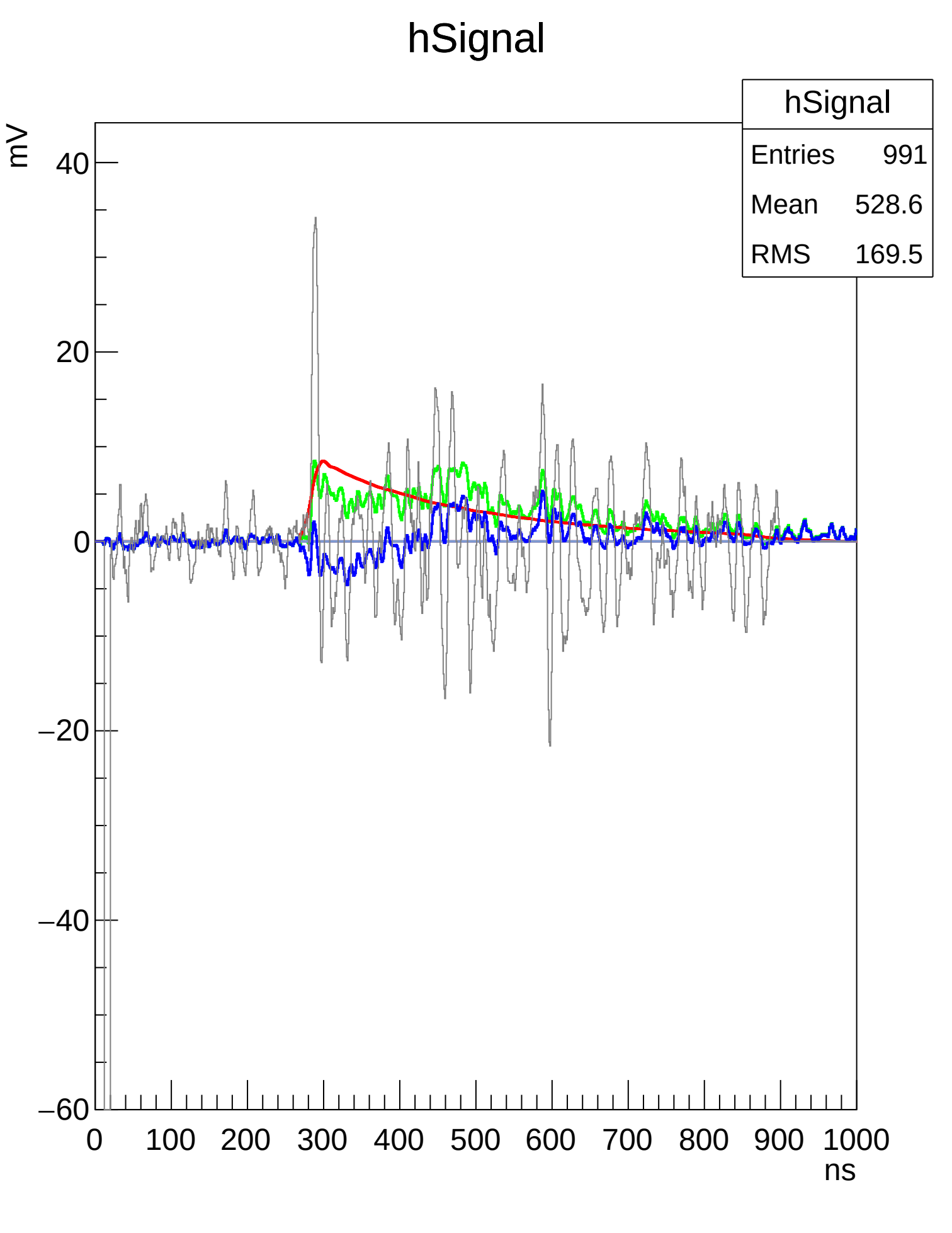
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.6
RMS 169.5
mV
40
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0
−20
−40
−60
0
100
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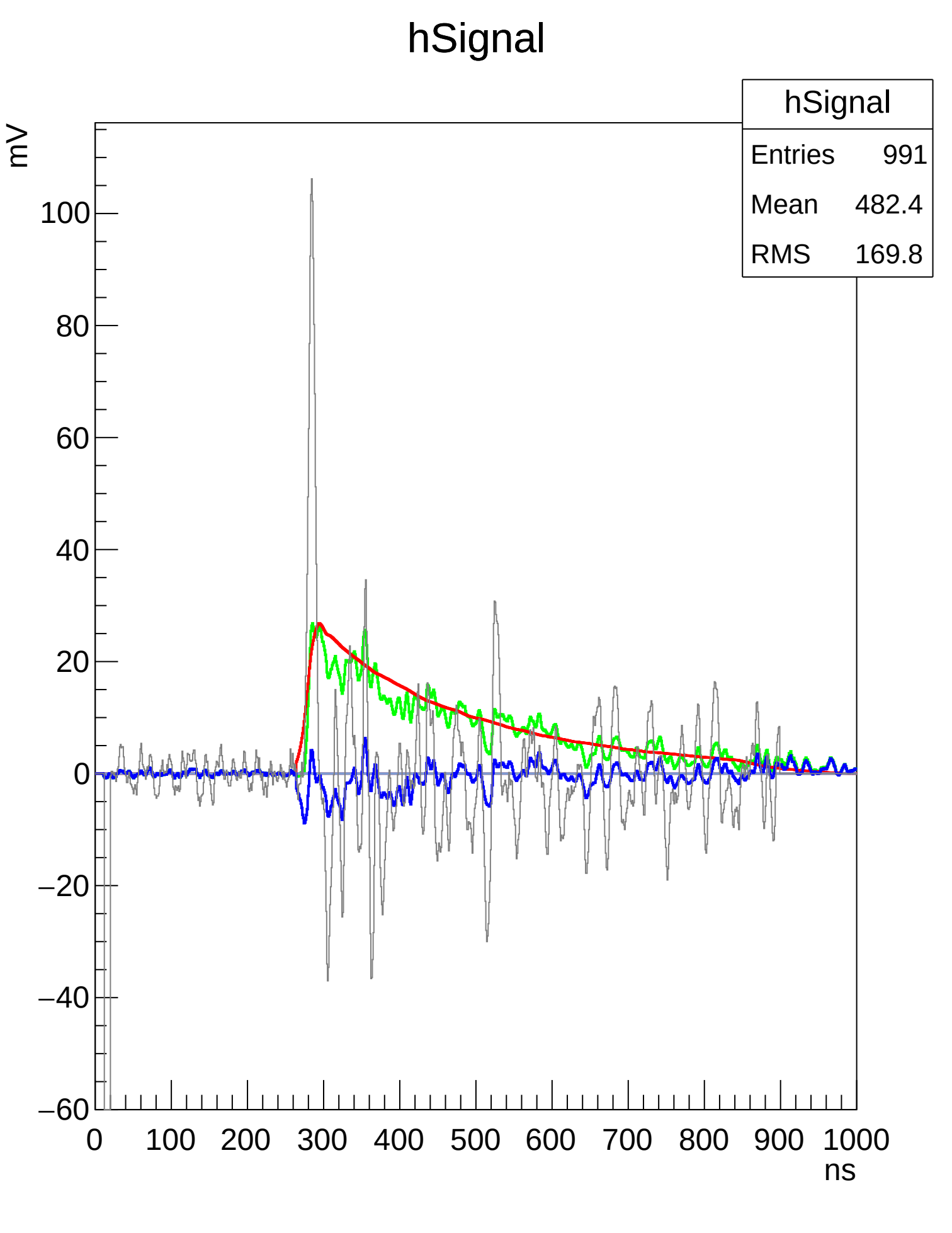
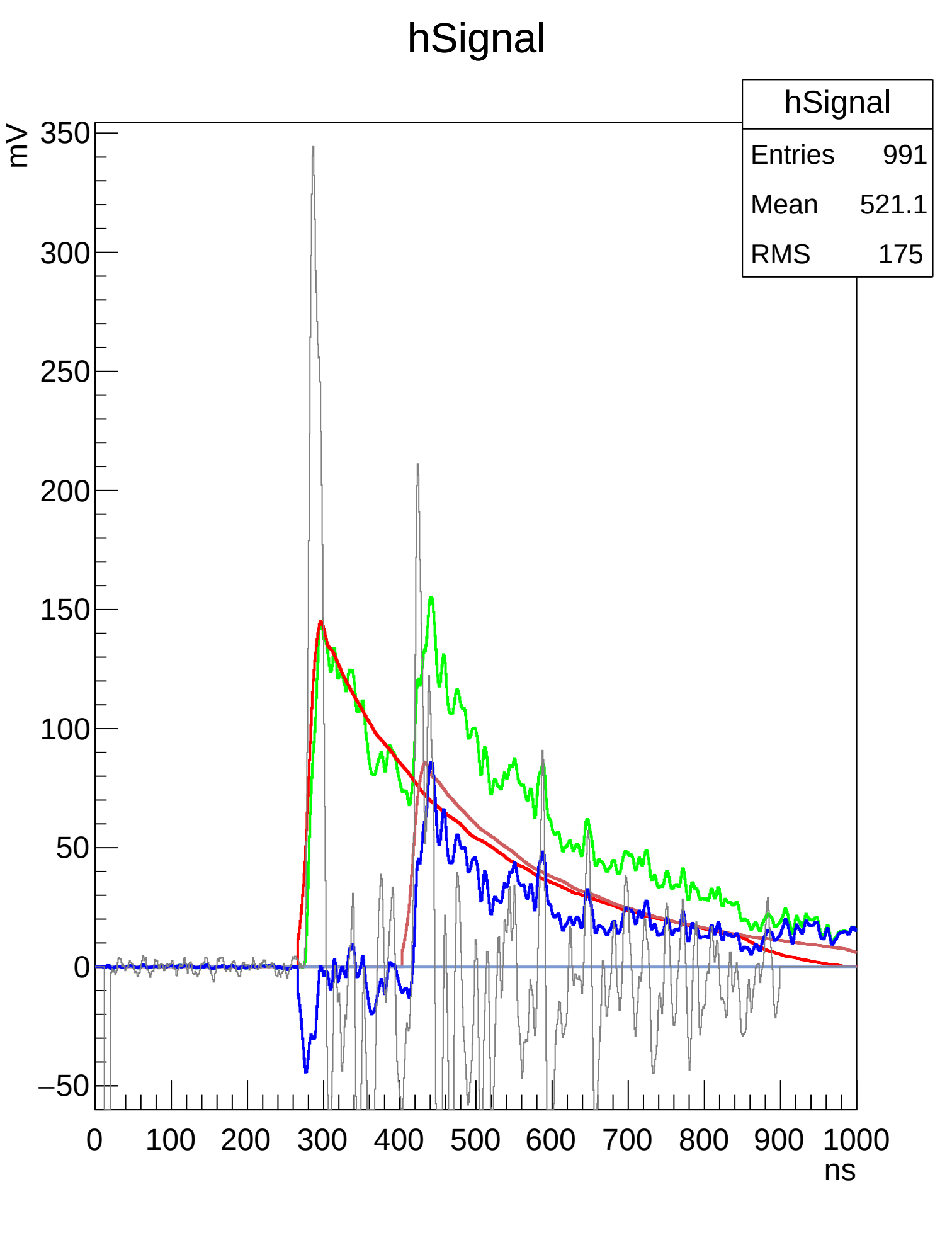
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 482.4
RMS 169.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.1
RMS 175
mV
350
300
250
200
150
100
50
0
−50
0
100
200
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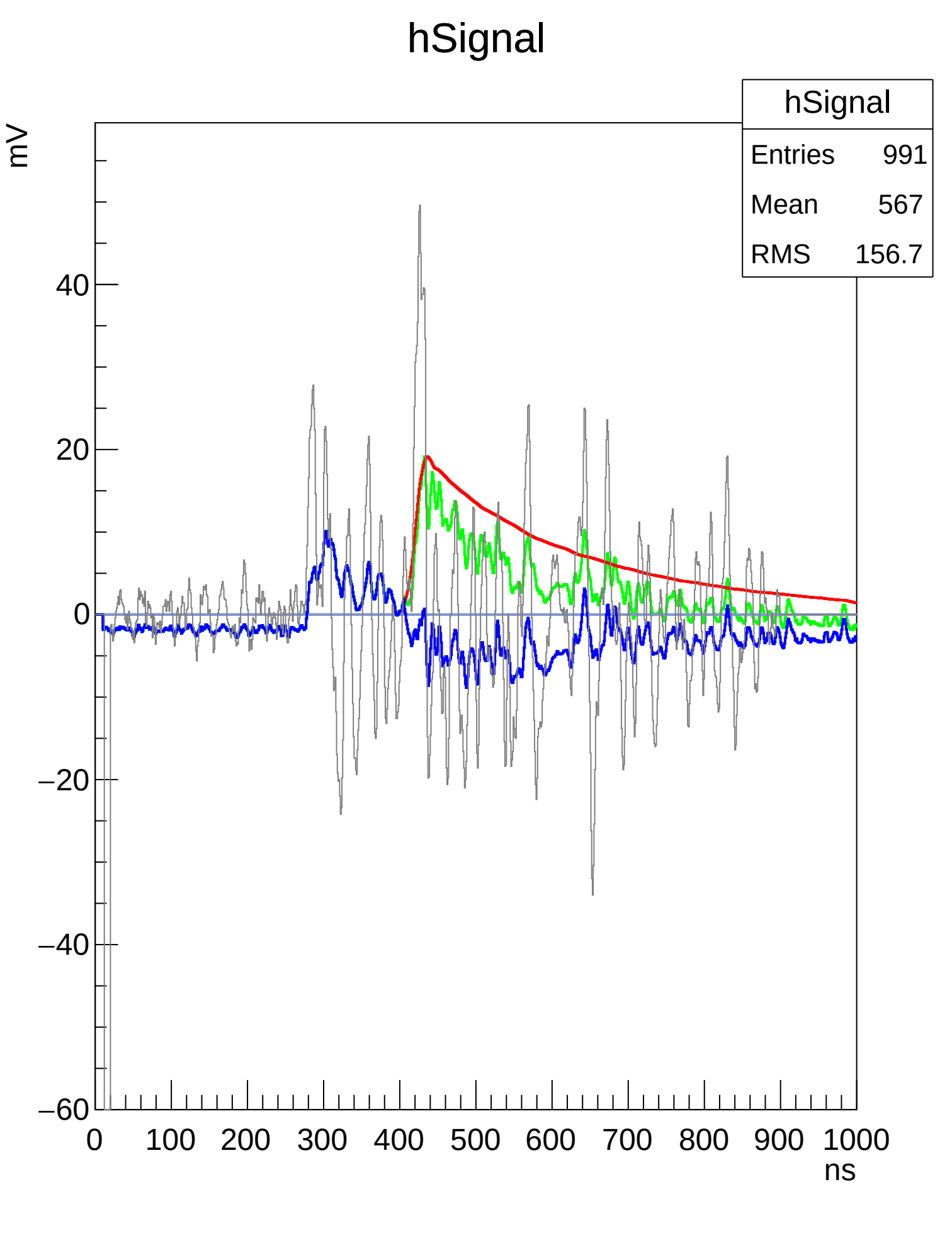
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567
RMS 156.7
mV
40
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0
−20
−40
−60
0
100
200
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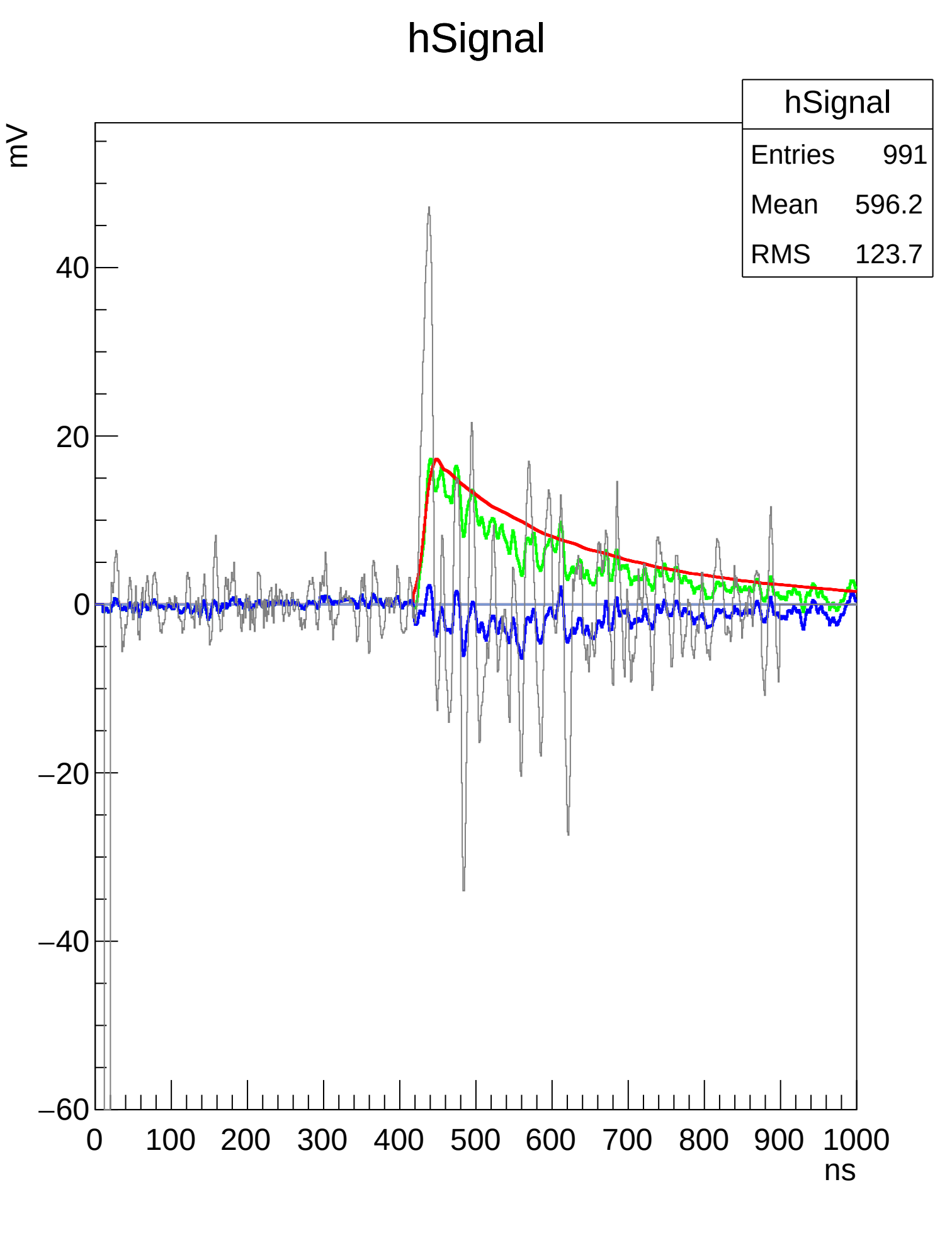
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.2
RMS 123.7
mV
40
20
0
−20
−40
−60
0
100
200
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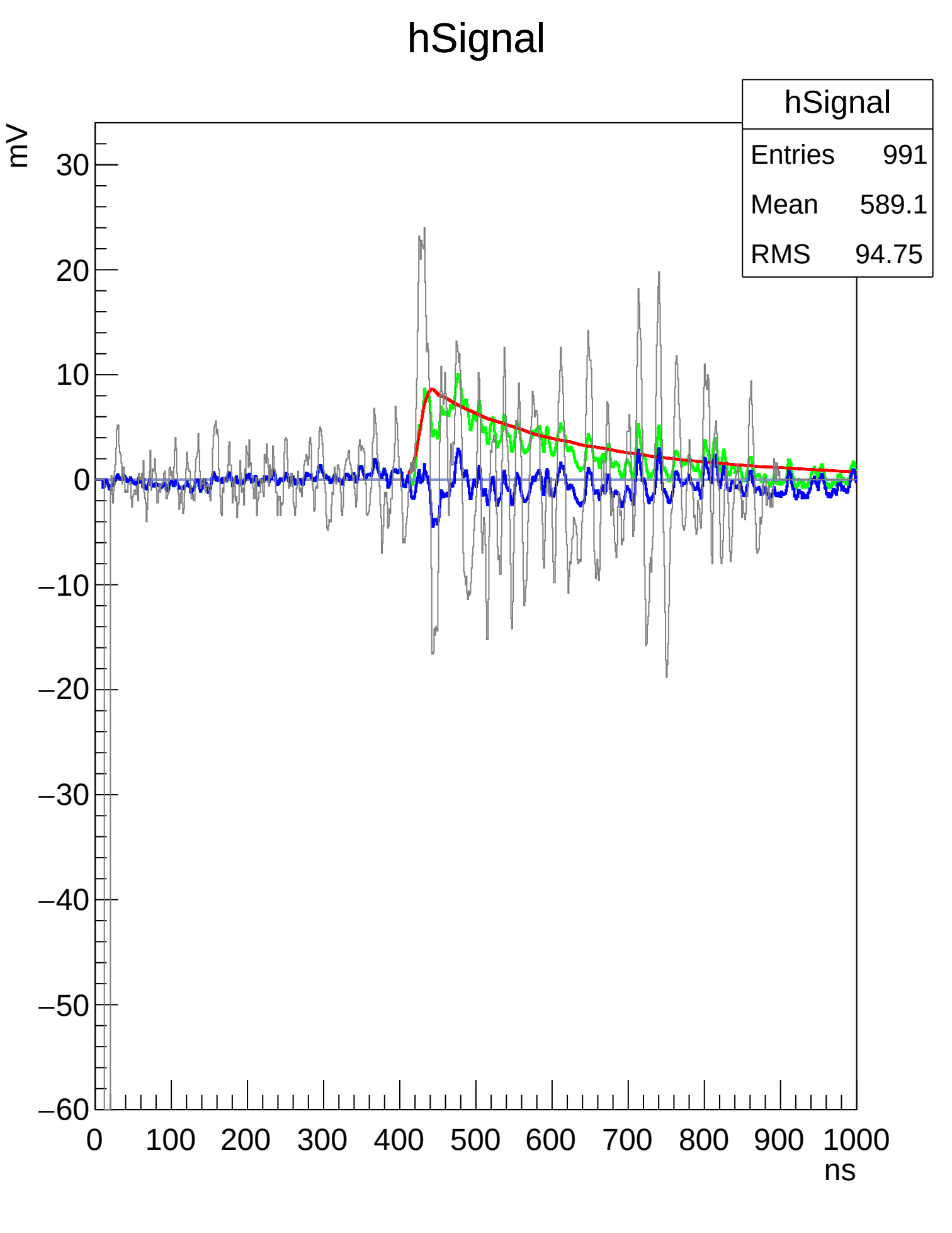
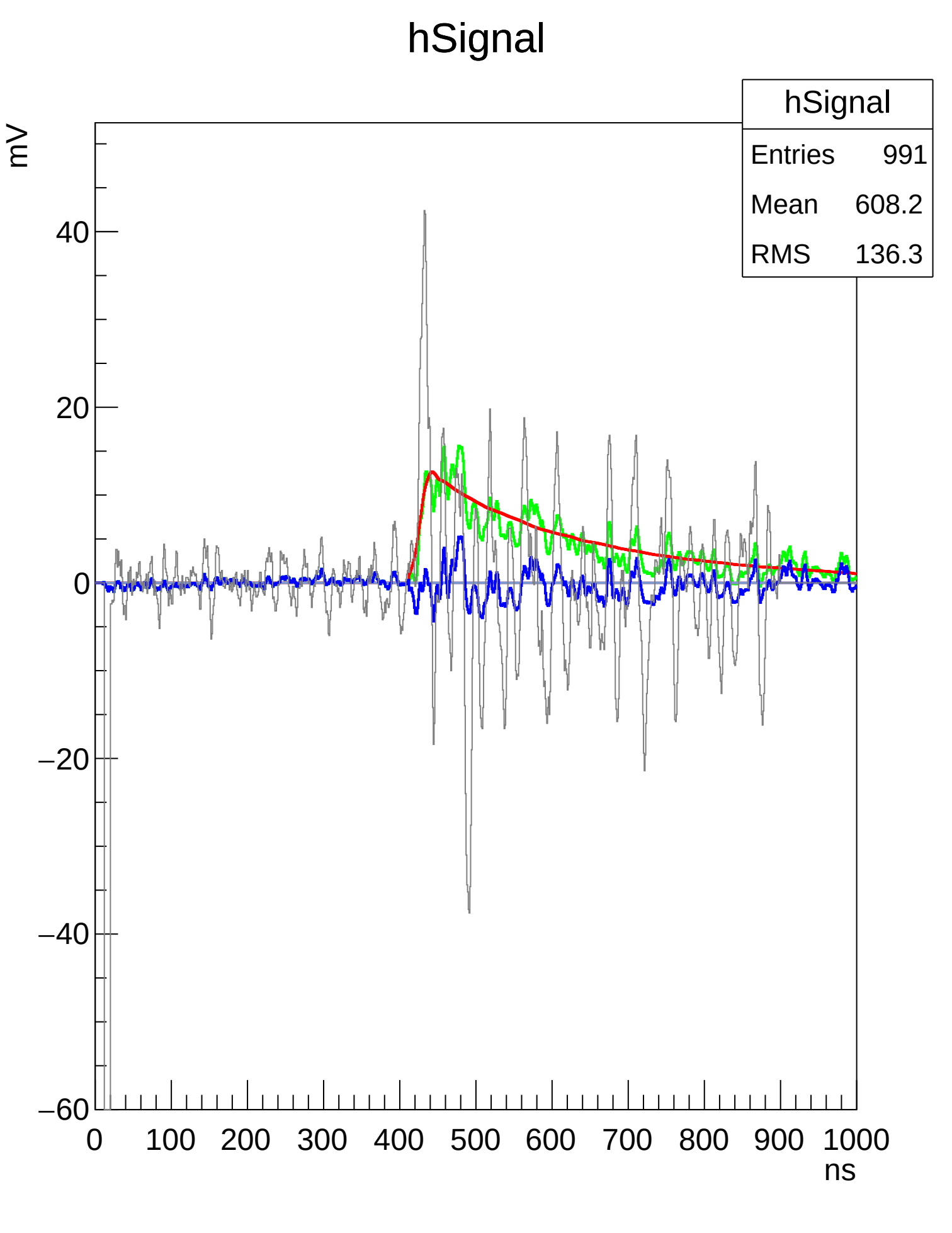
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.1
RMS 94.75
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.2
RMS 136.3
mV
40
20
0
−20
−40
−60
0
100
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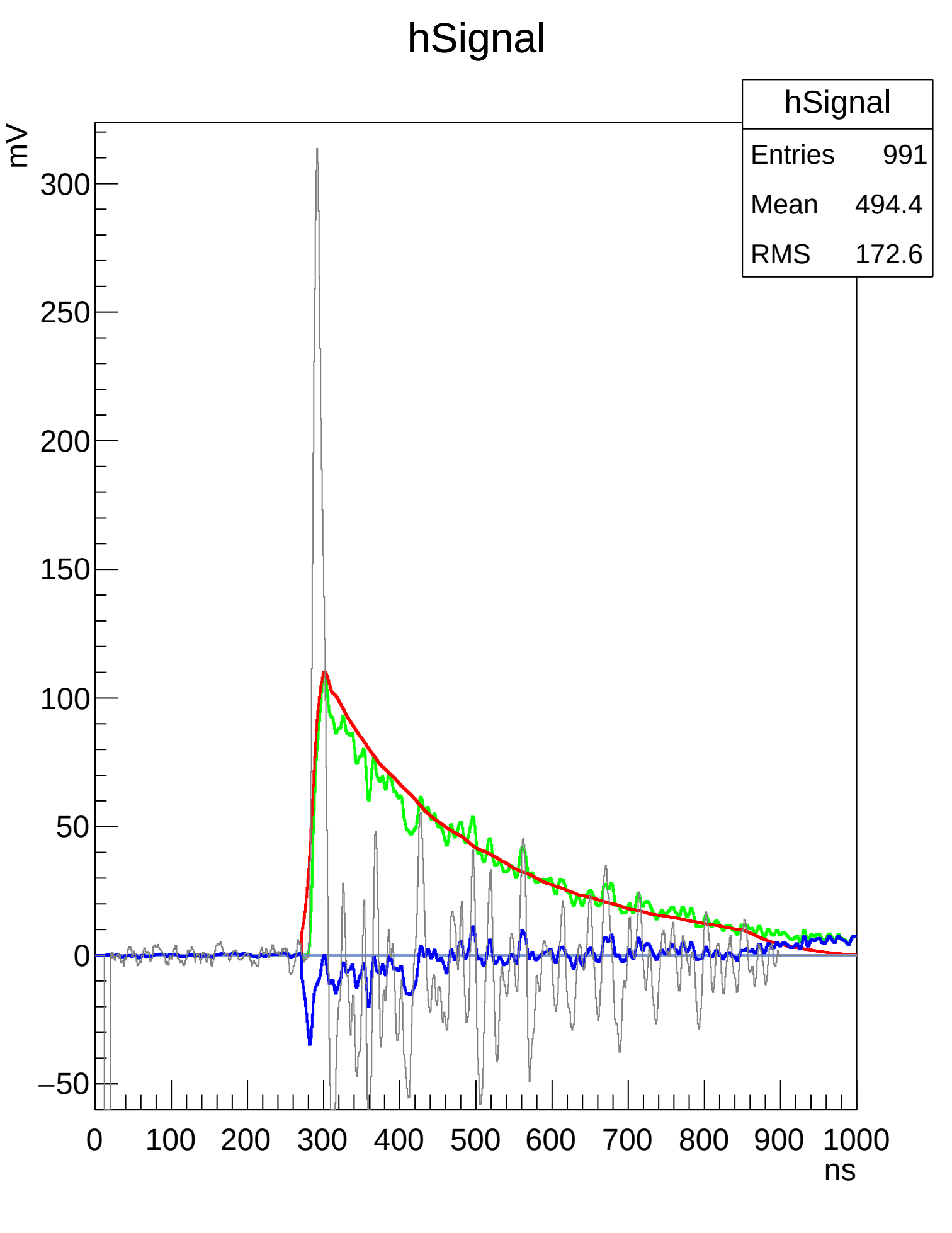
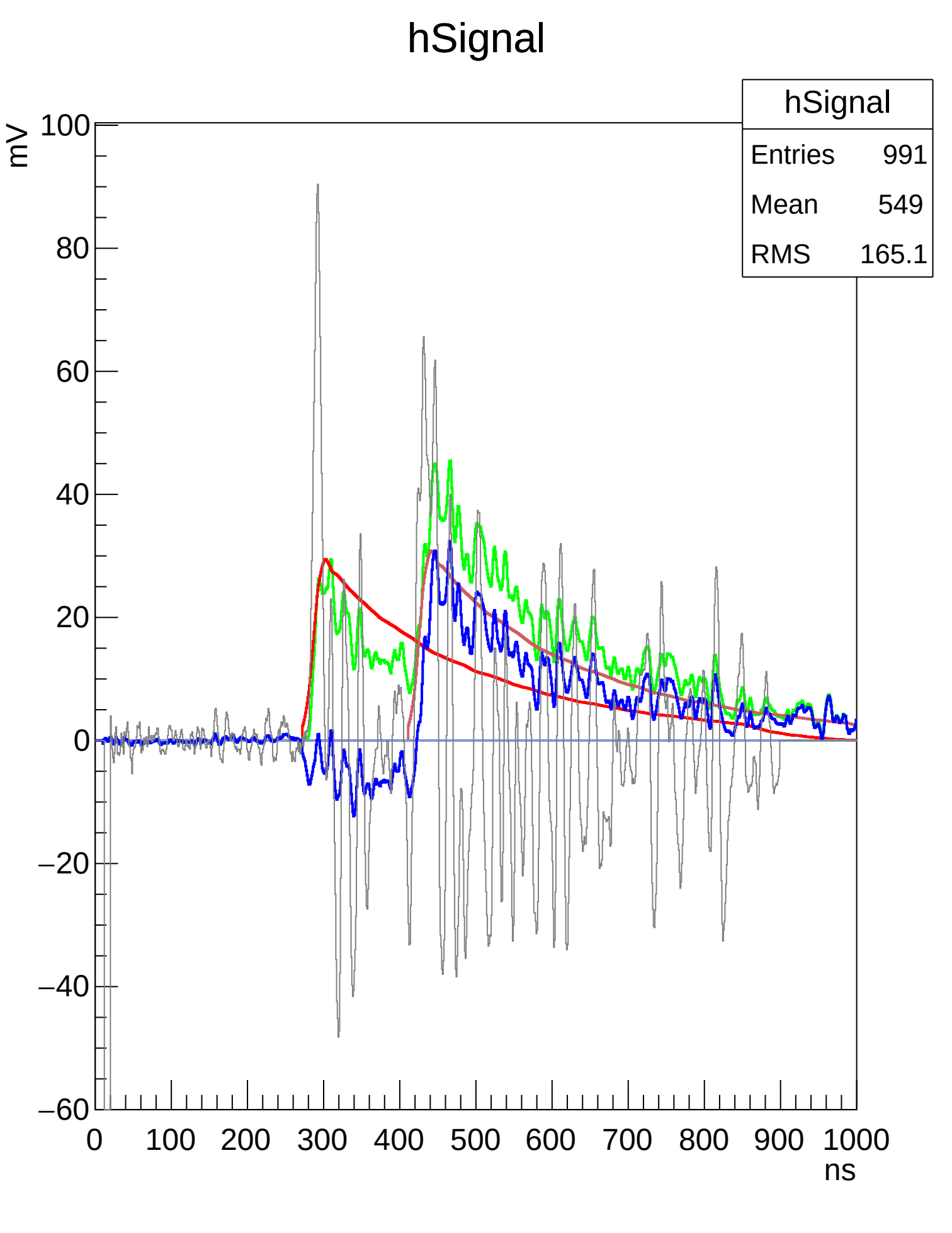
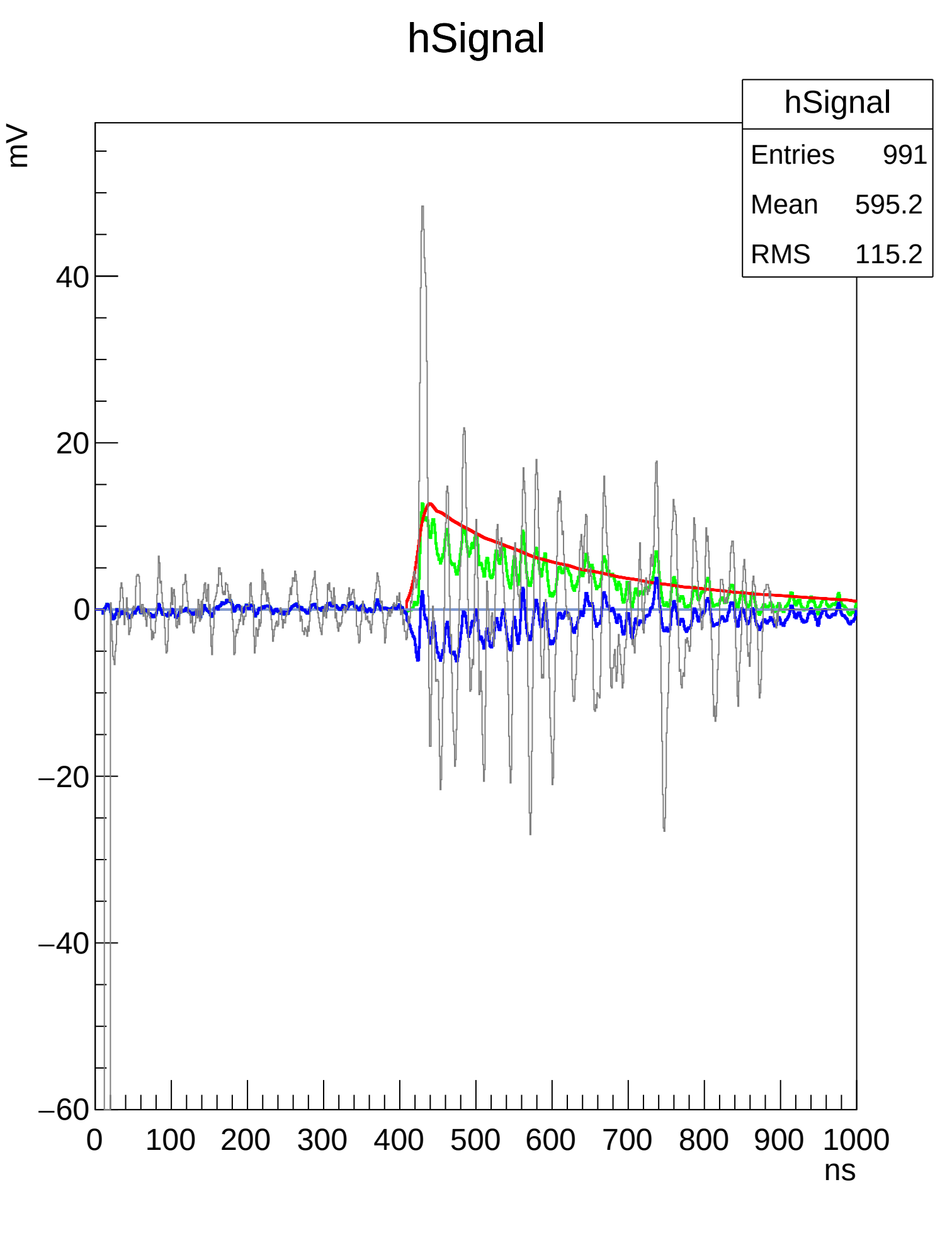
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.4
RMS 172.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549
RMS 165.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.2
RMS 115.2
mV
40
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0
−20
−40
−60
0
100
200
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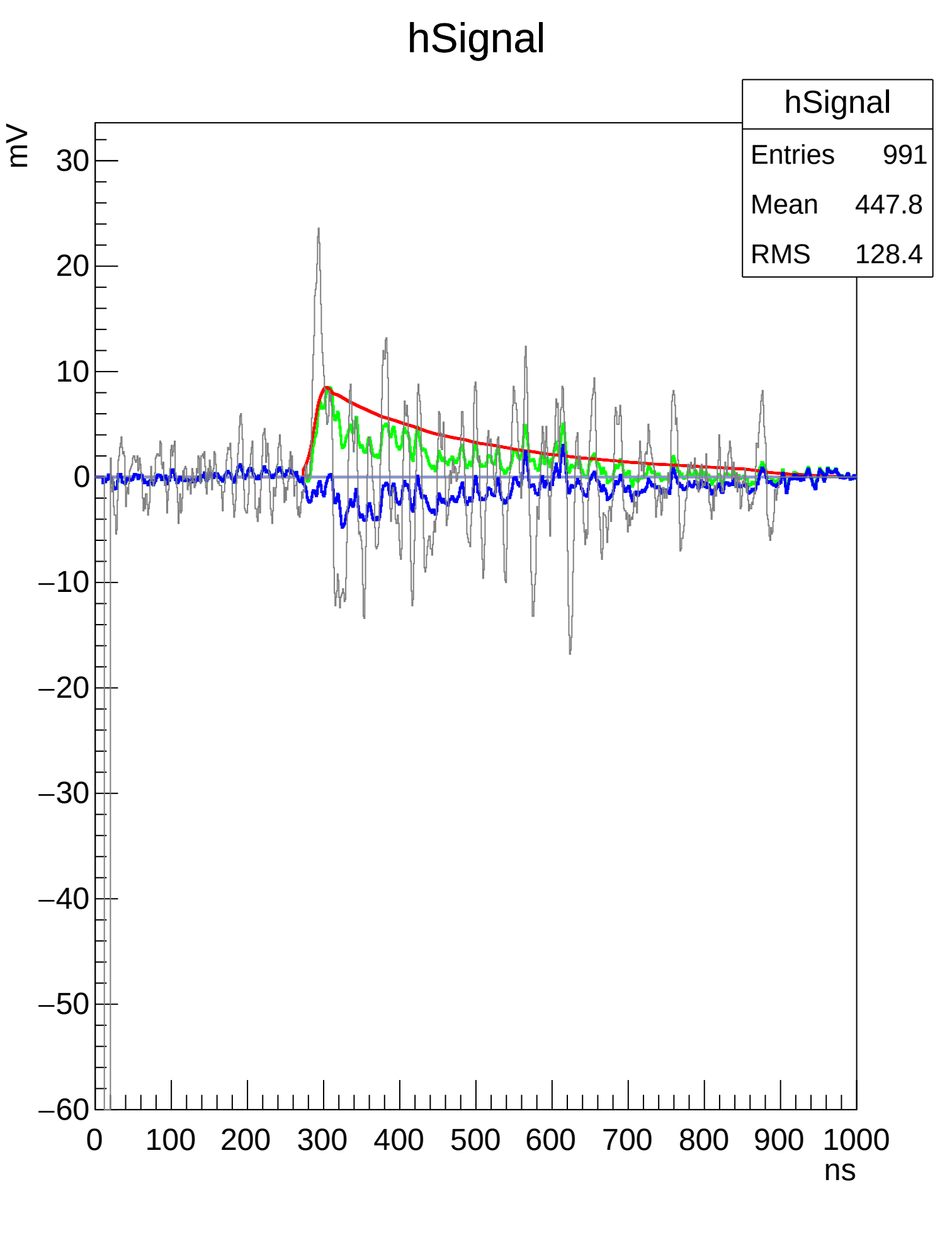
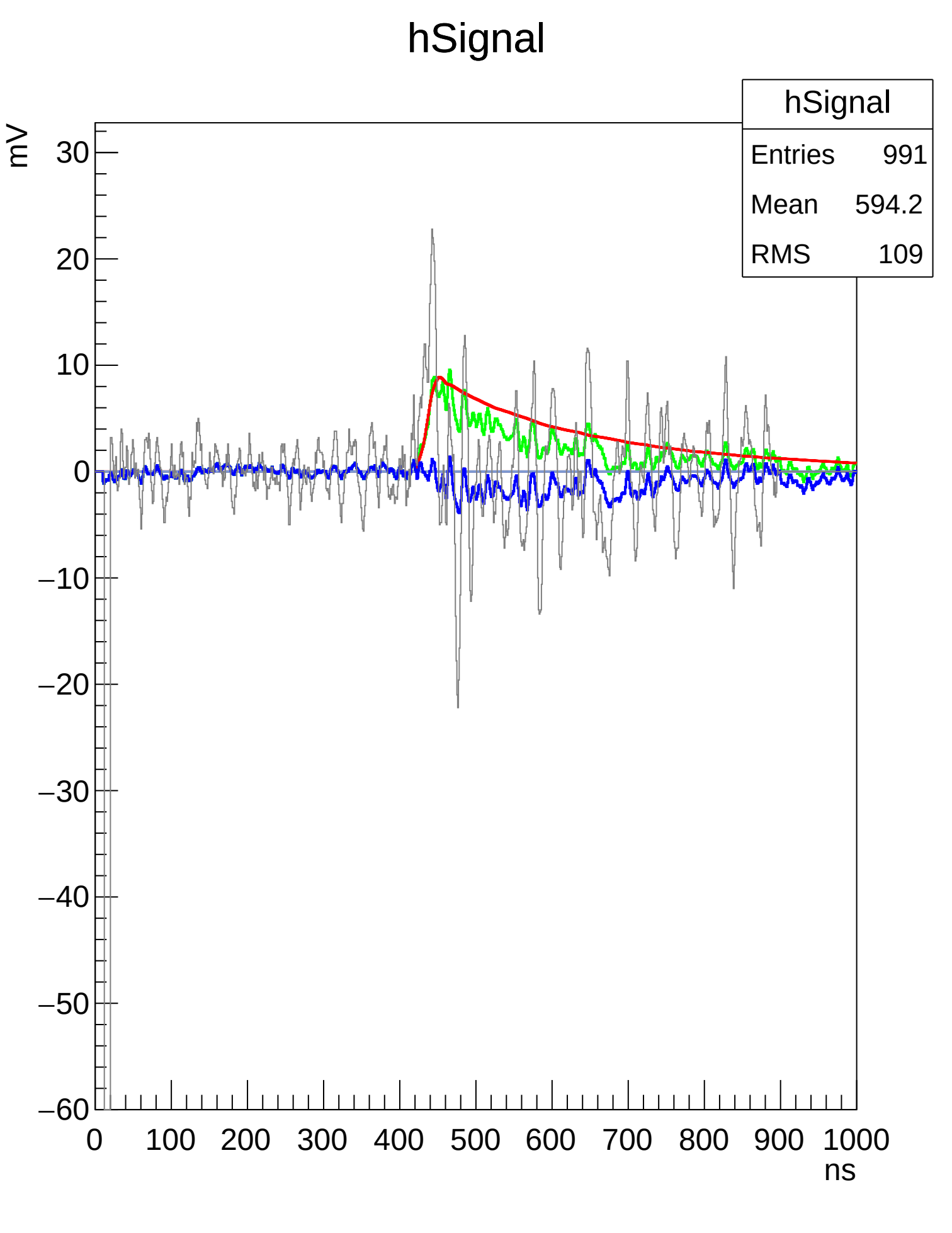
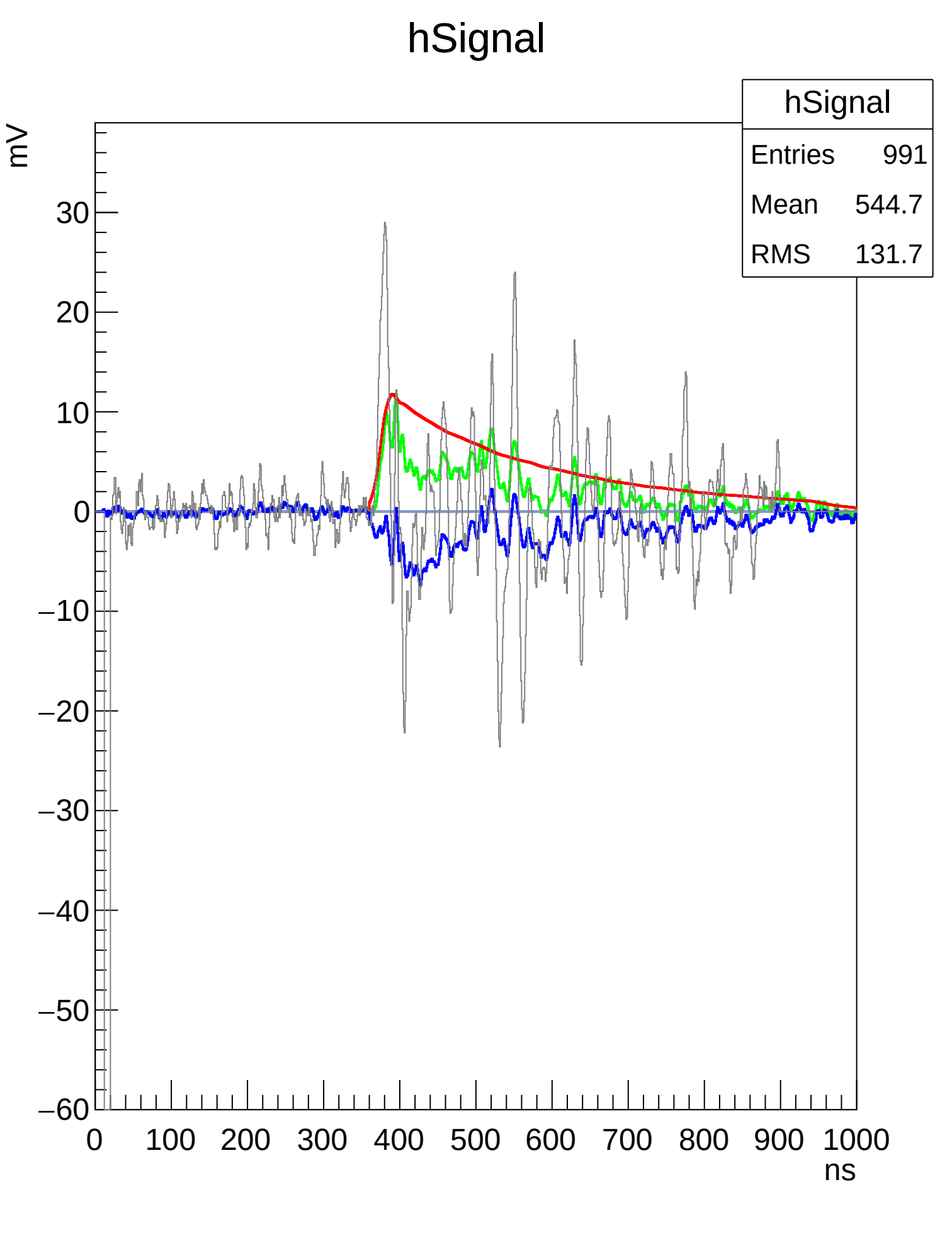
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 447.8
RMS 128.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.2
RMS 109
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.7
RMS 131.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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600
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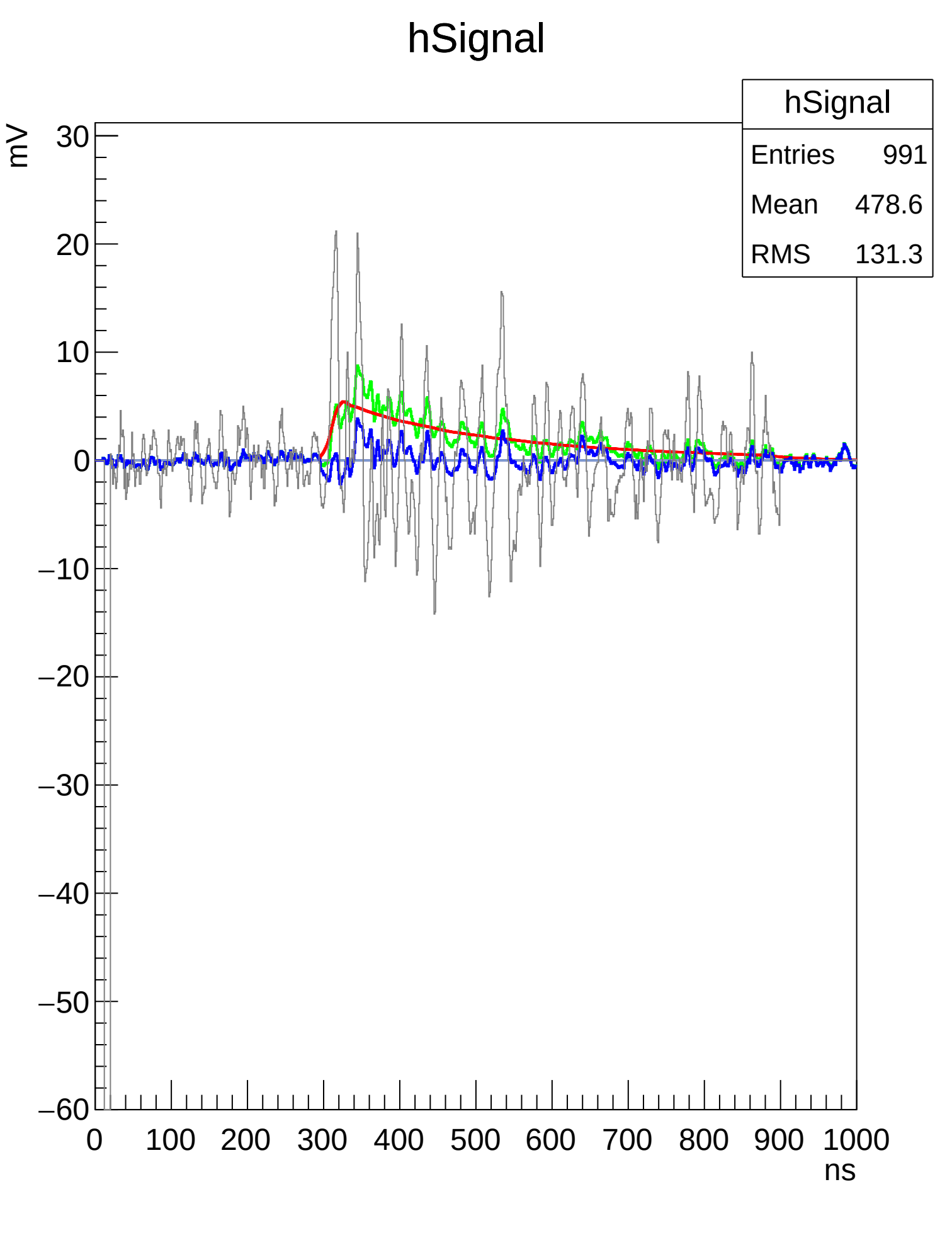
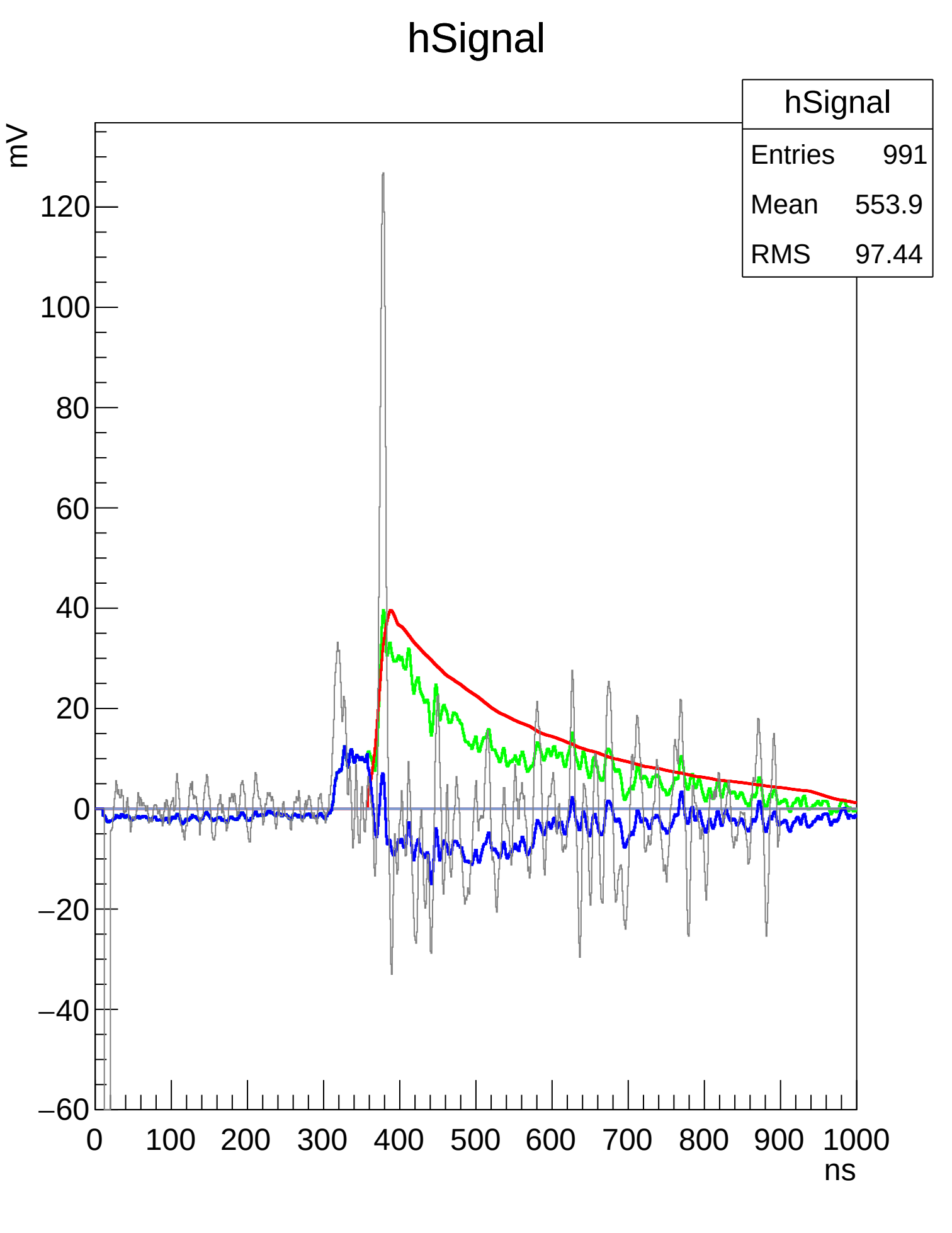
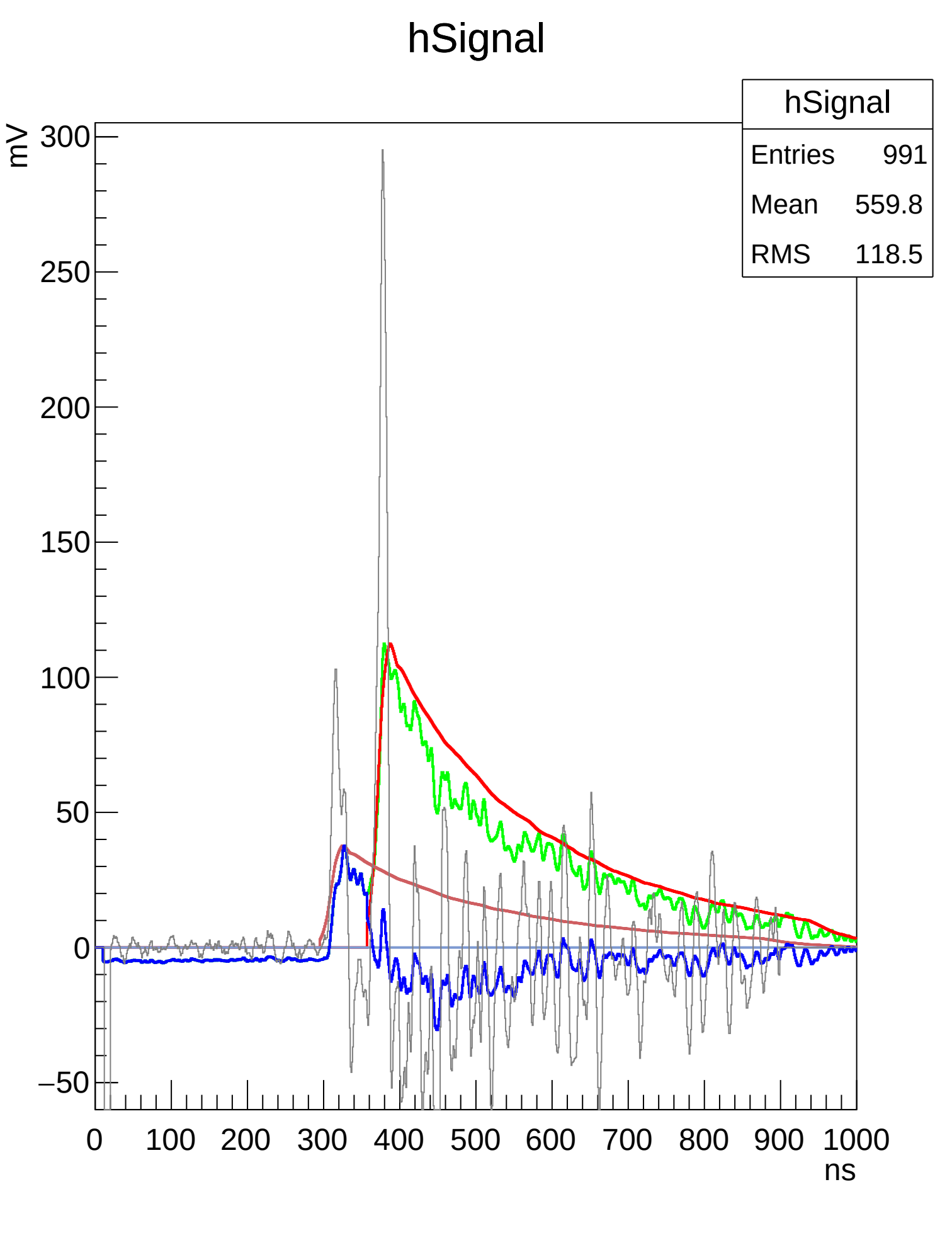
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 478.6
RMS 131.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.9
RMS 97.44
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.8
RMS 118.5
mV
300
250
200
150
100
50
0
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0
100
200
300
400
500
600
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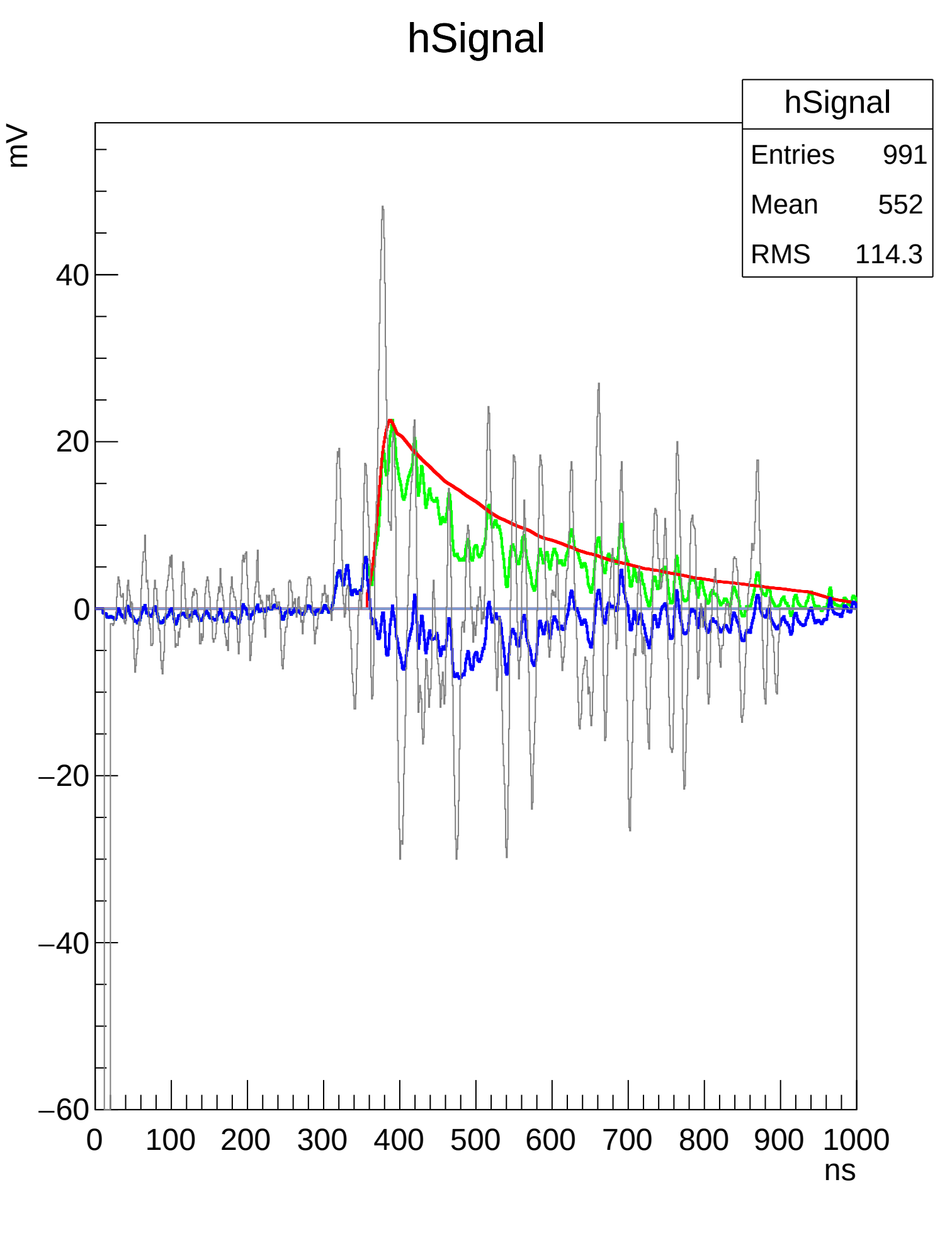
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552
RMS 114.3
mV
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0
−20
−40
−60
0
100
200
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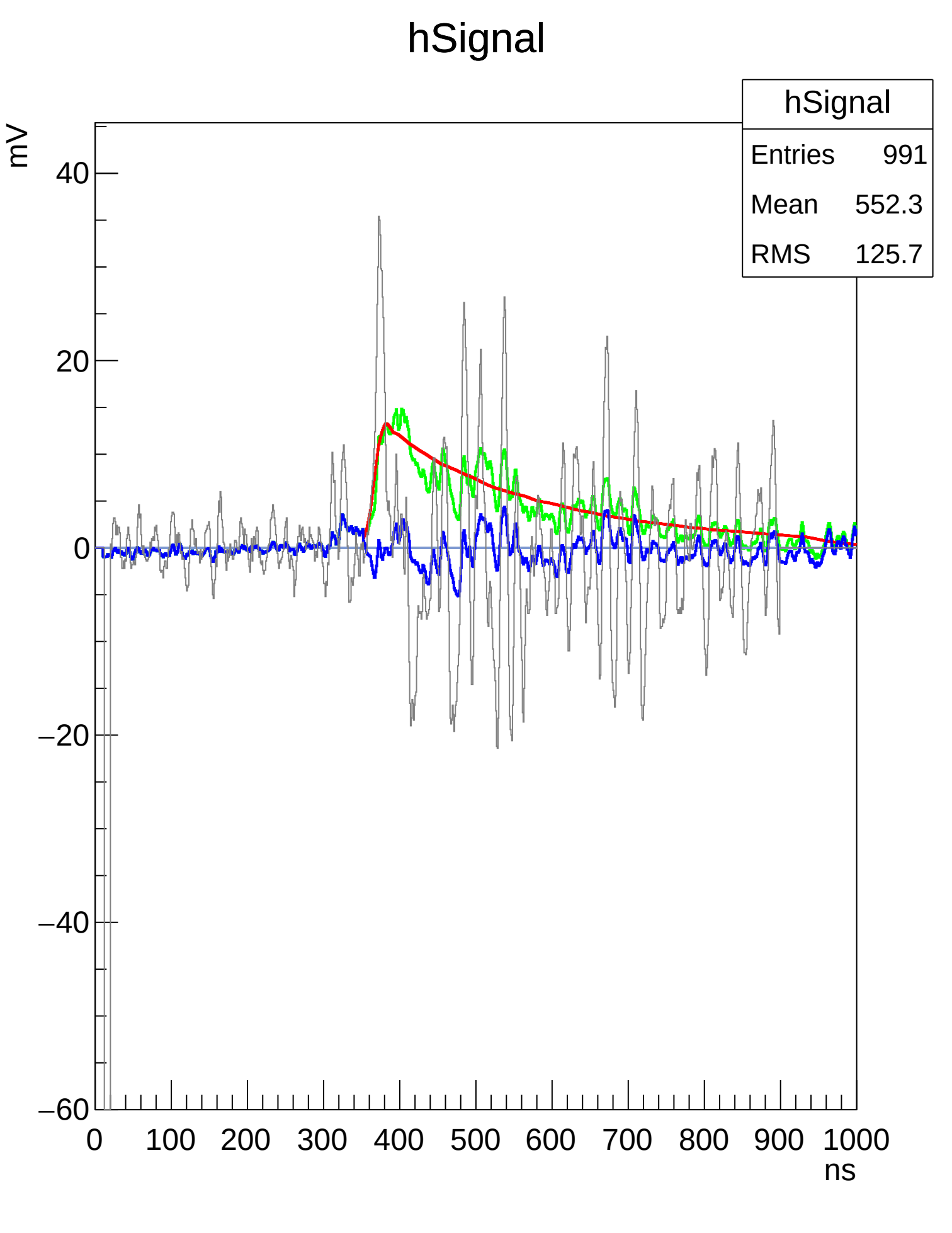
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.3
RMS 125.7
mV
40
20
0
−20
−40
−60
0
100
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800
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1000
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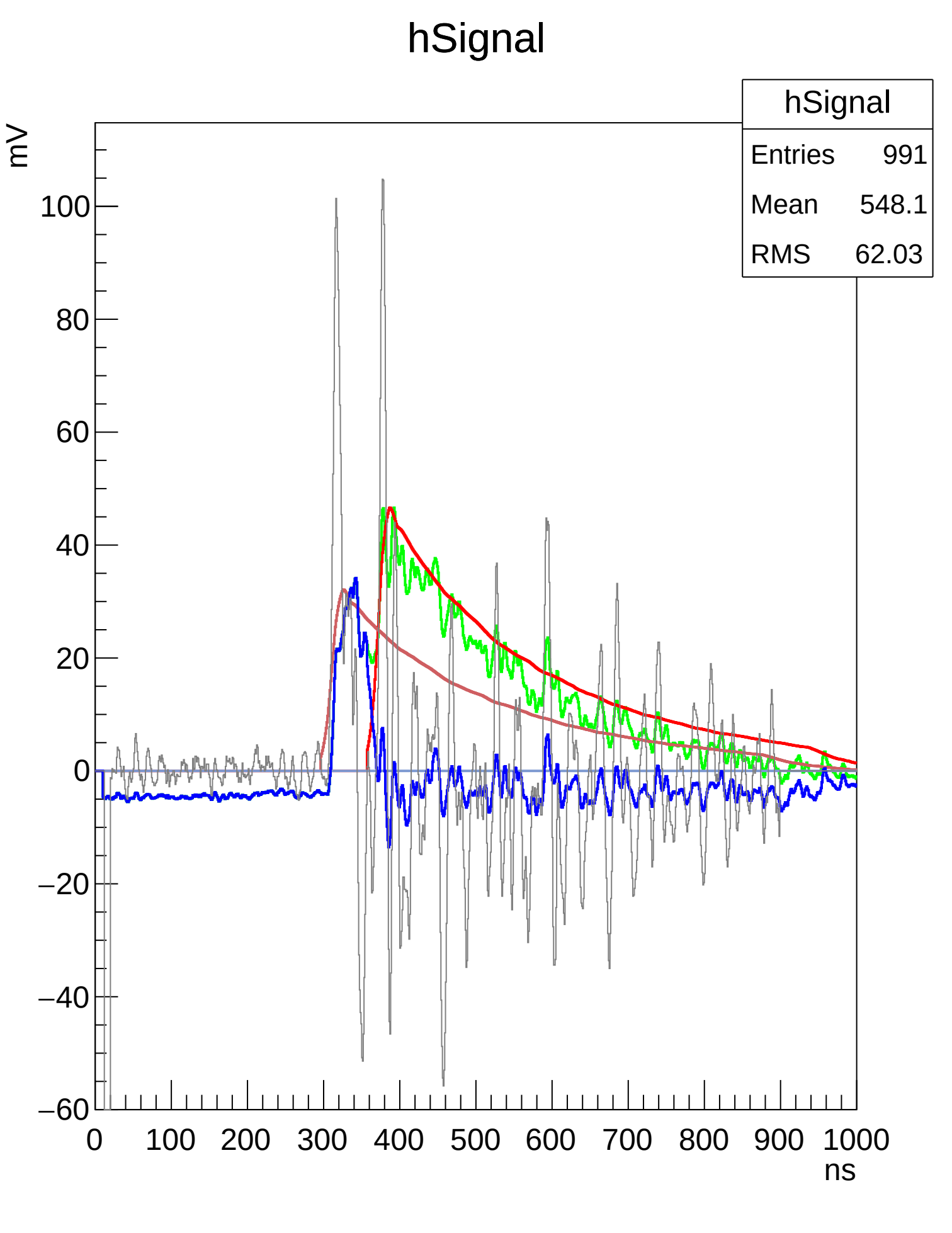
hSignal
hSignal
Entries 991
Mean 548.1
RMS 62.03
mV
100
80
60
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−20
−40
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0
100
200
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400
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800
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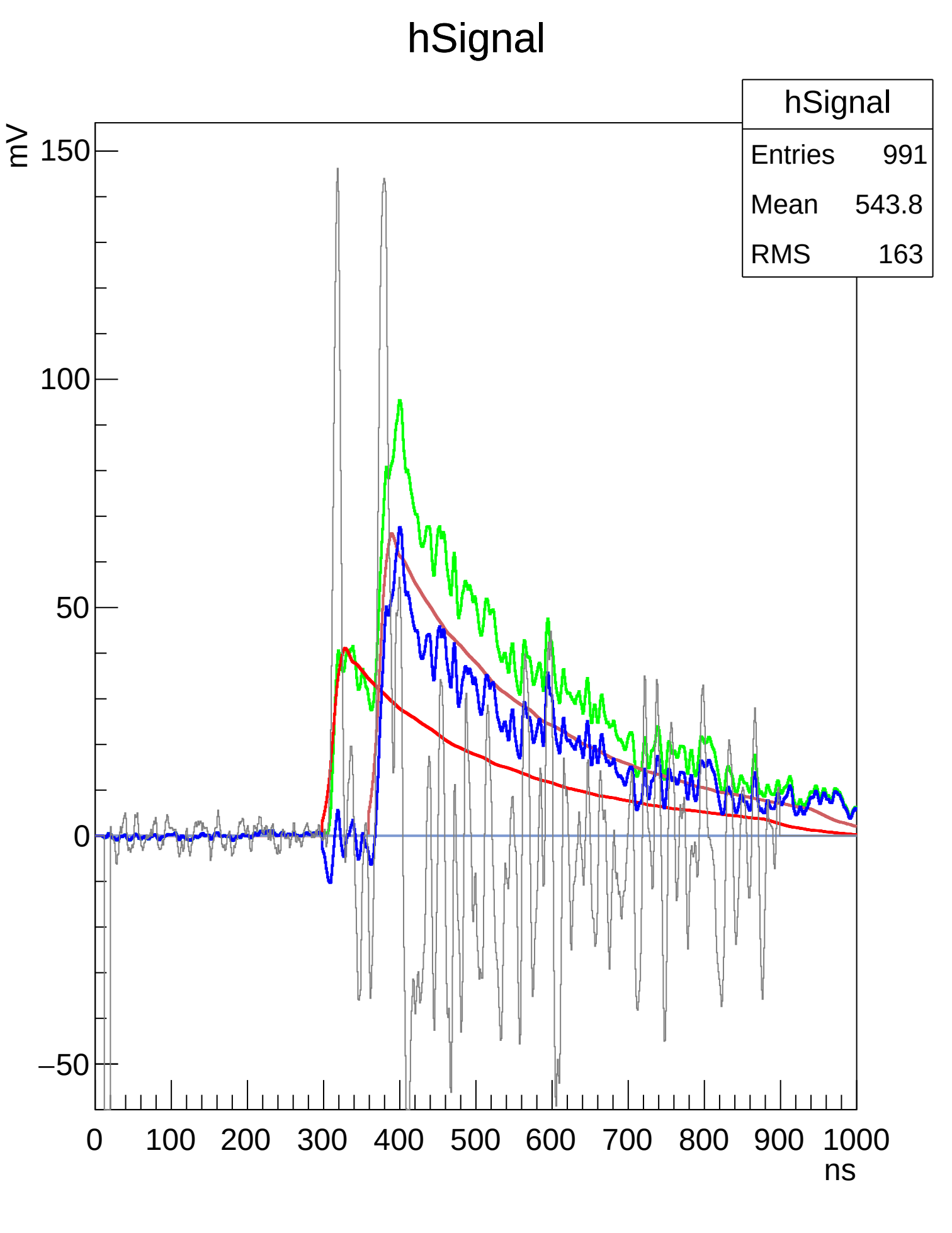
1000
ns


hSignal
hSignal
Entries 991
Mean 543.8
RMS 163
mV
150
100
50
0
−50
0
100
200
300
400
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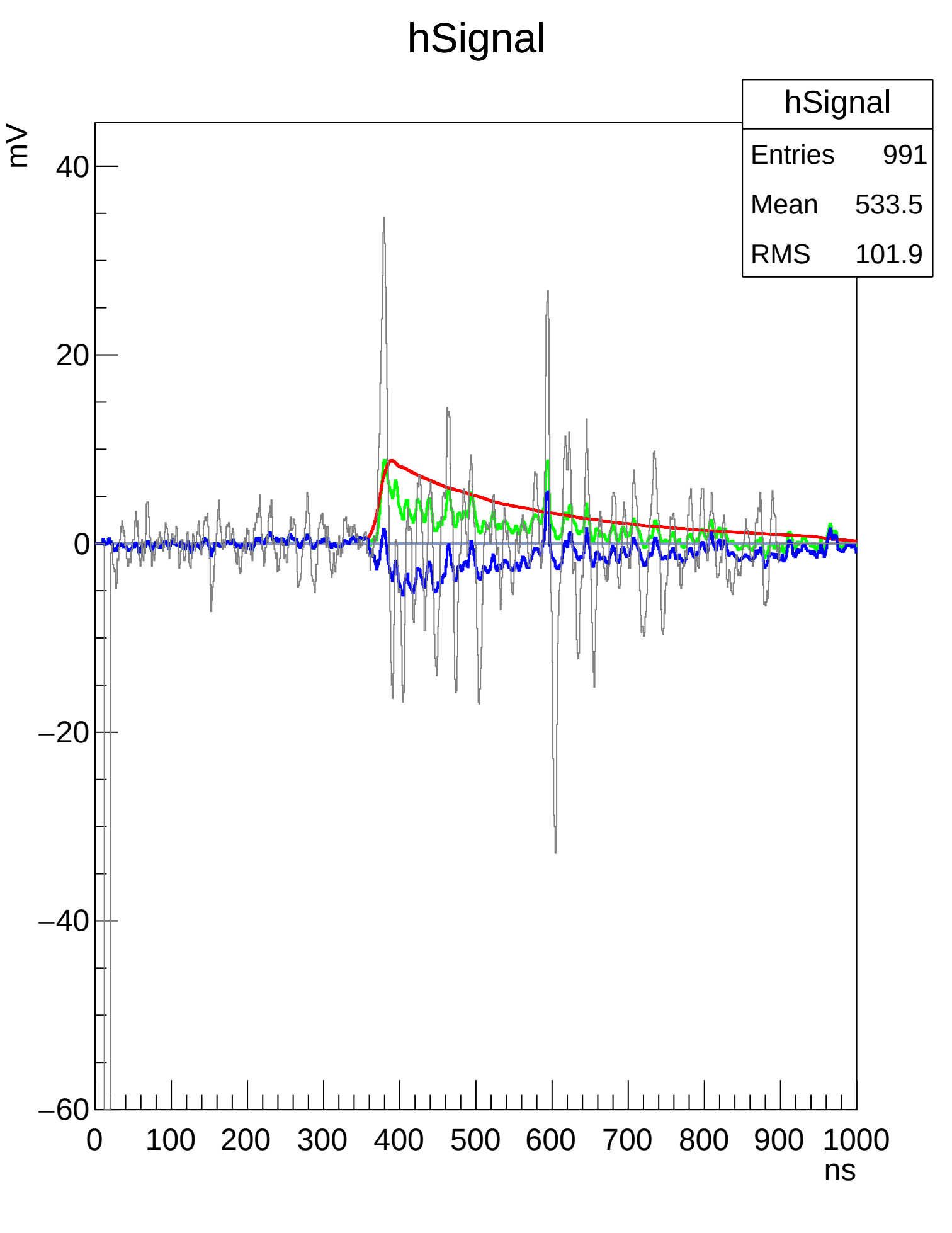
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.5
RMS 101.9
mV
40
20
0
−20
−40
−60
0
100
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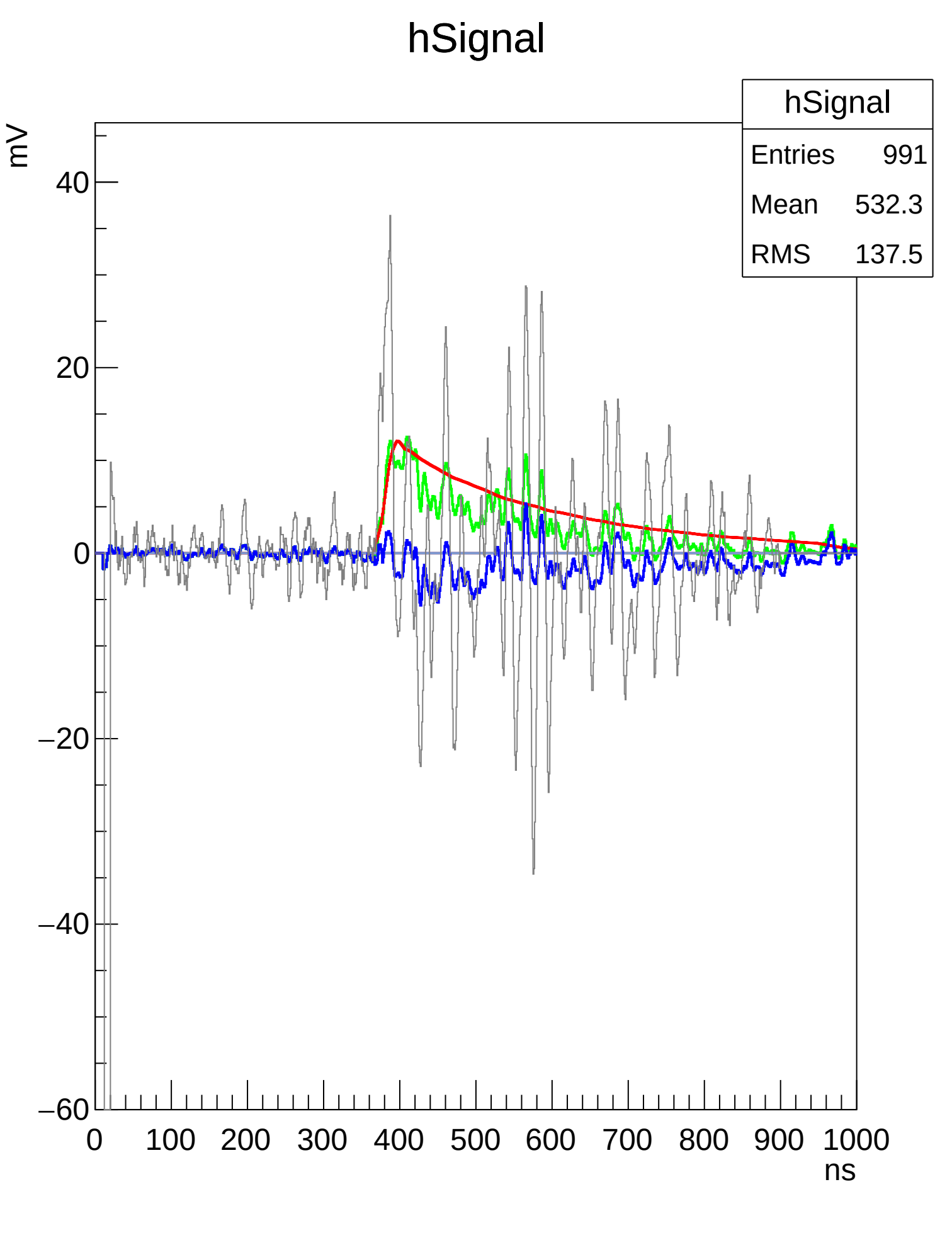
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.3
RMS 137.5
mV
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20
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−20
−40
−60
0
100
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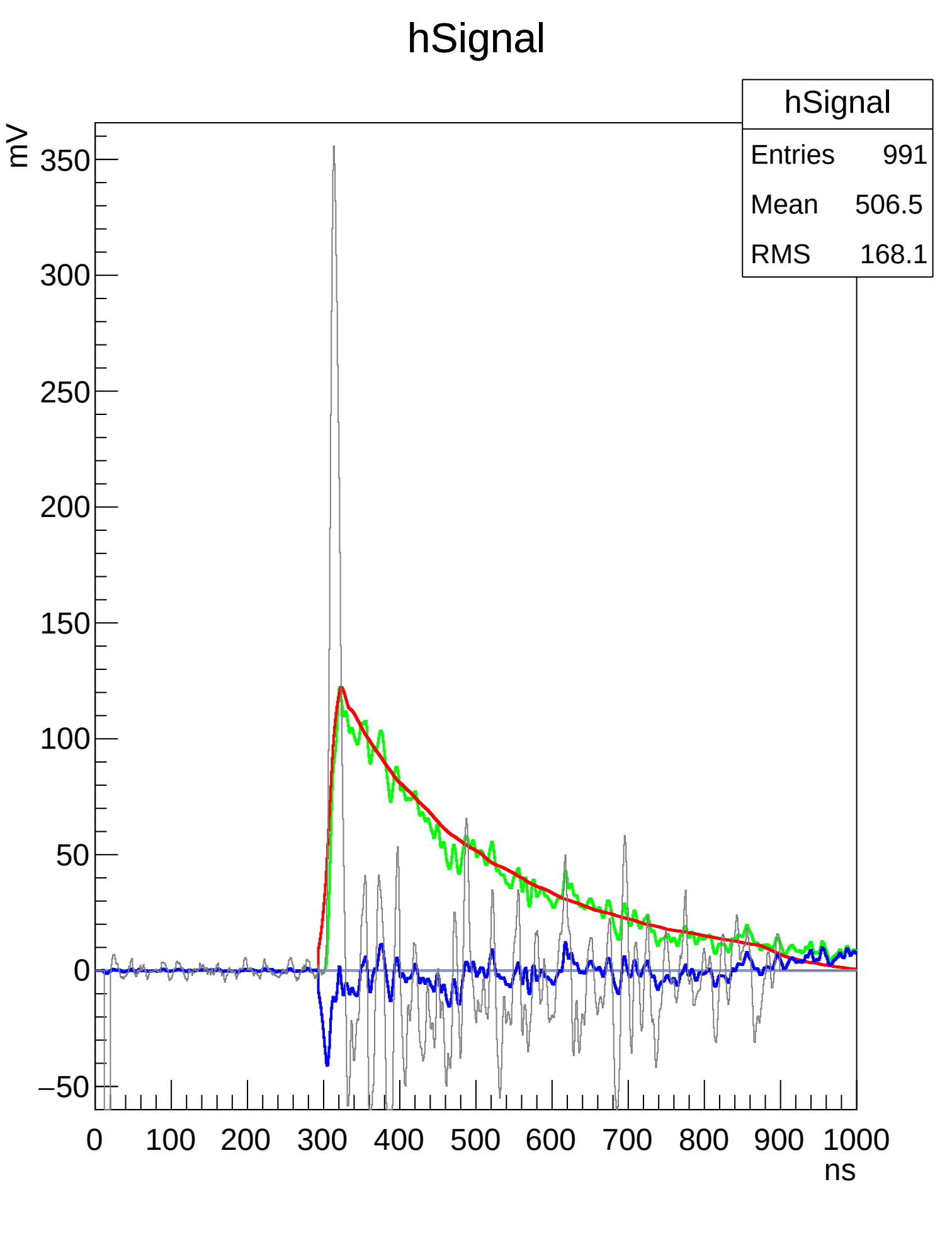
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.5
RMS 168.1
mV
350
300
250
200
150
100
50
0
−50
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200
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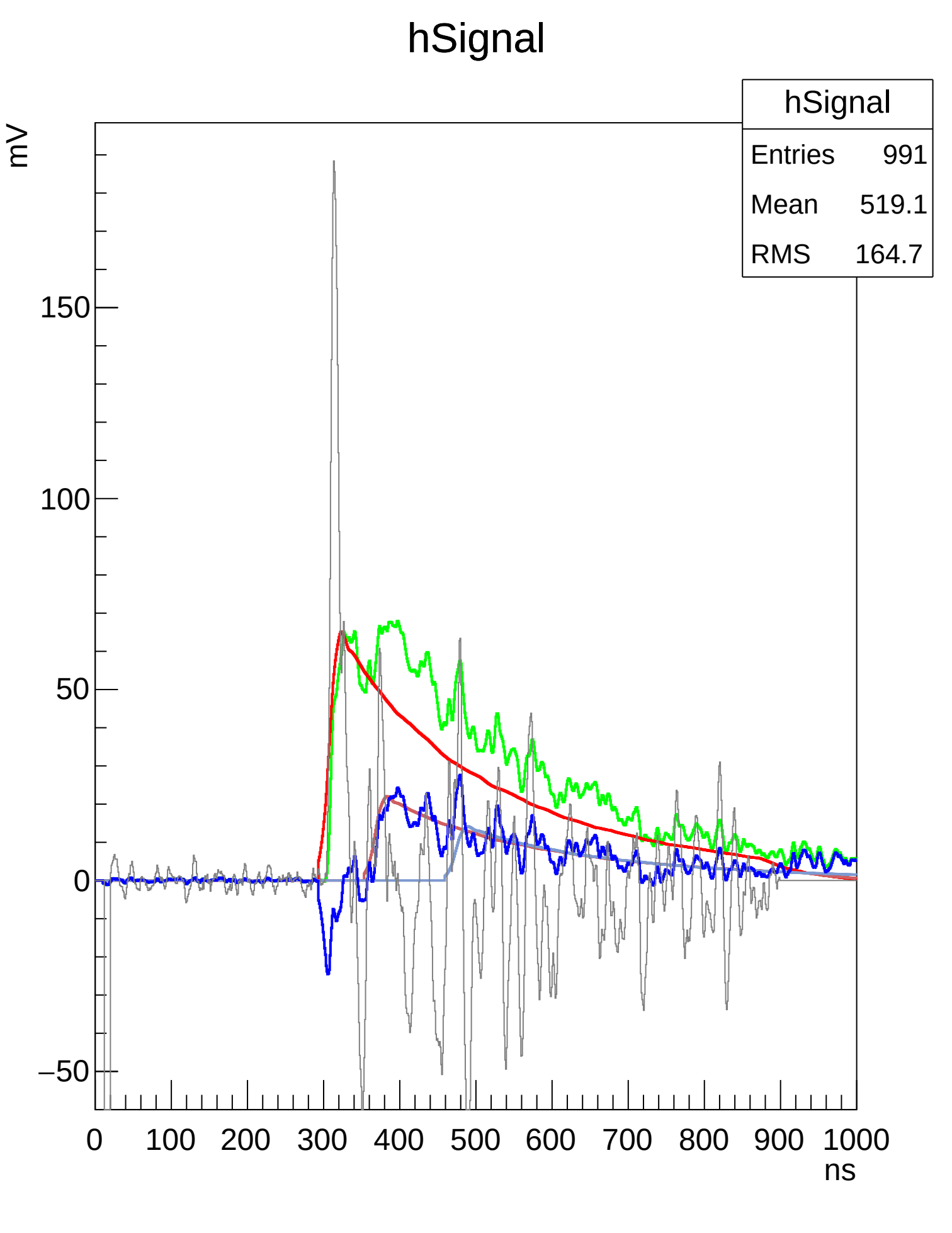
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.1
RMS 164.7
mV
150
100
50
0
−50
0
100
200
300
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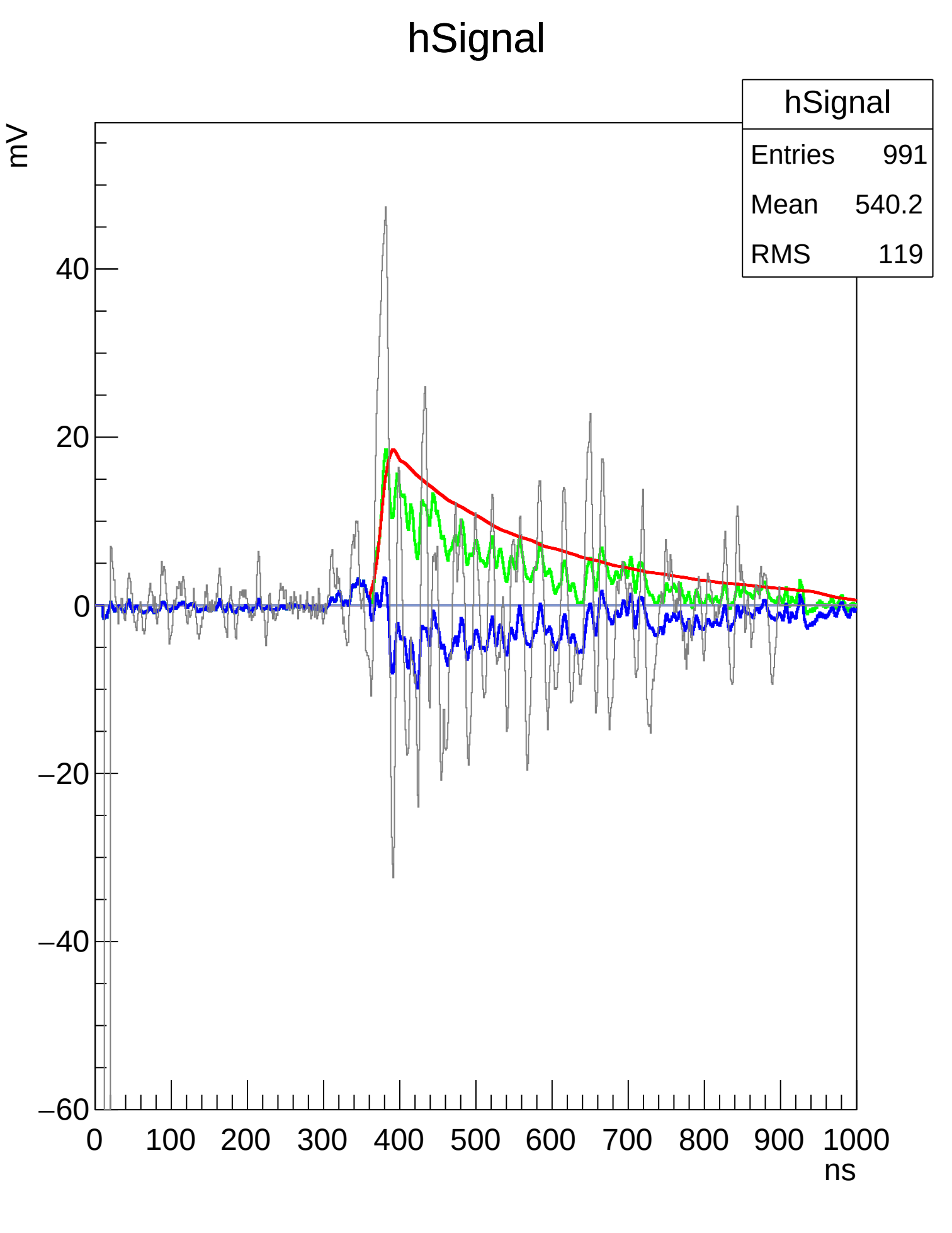
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.2
RMS 119
mV
40
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0
−20
−40
−60
0
100
200
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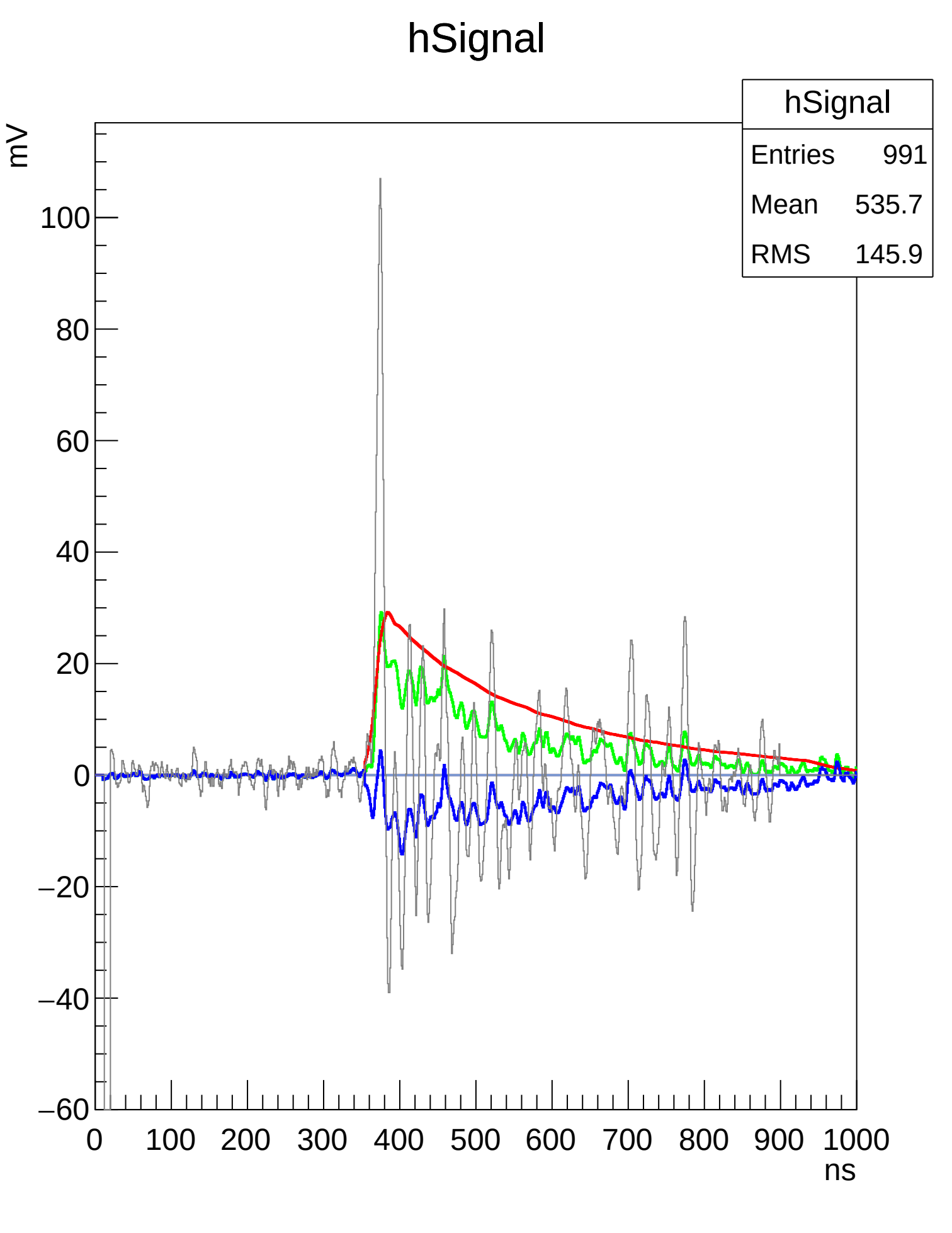
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.7
RMS 145.9
mV
100
80
60
40
20
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−20
−40
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0
100
200
300
400
500
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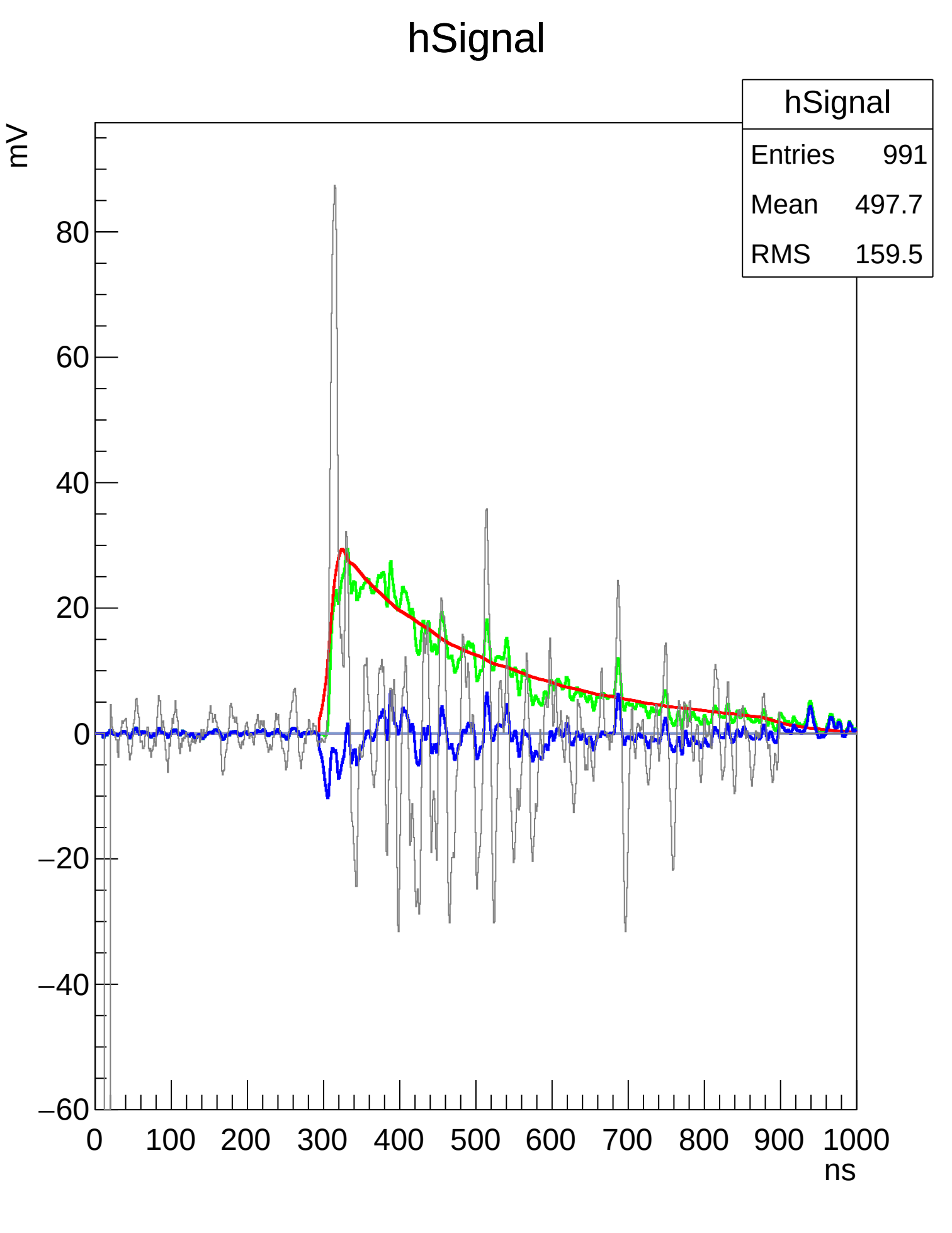
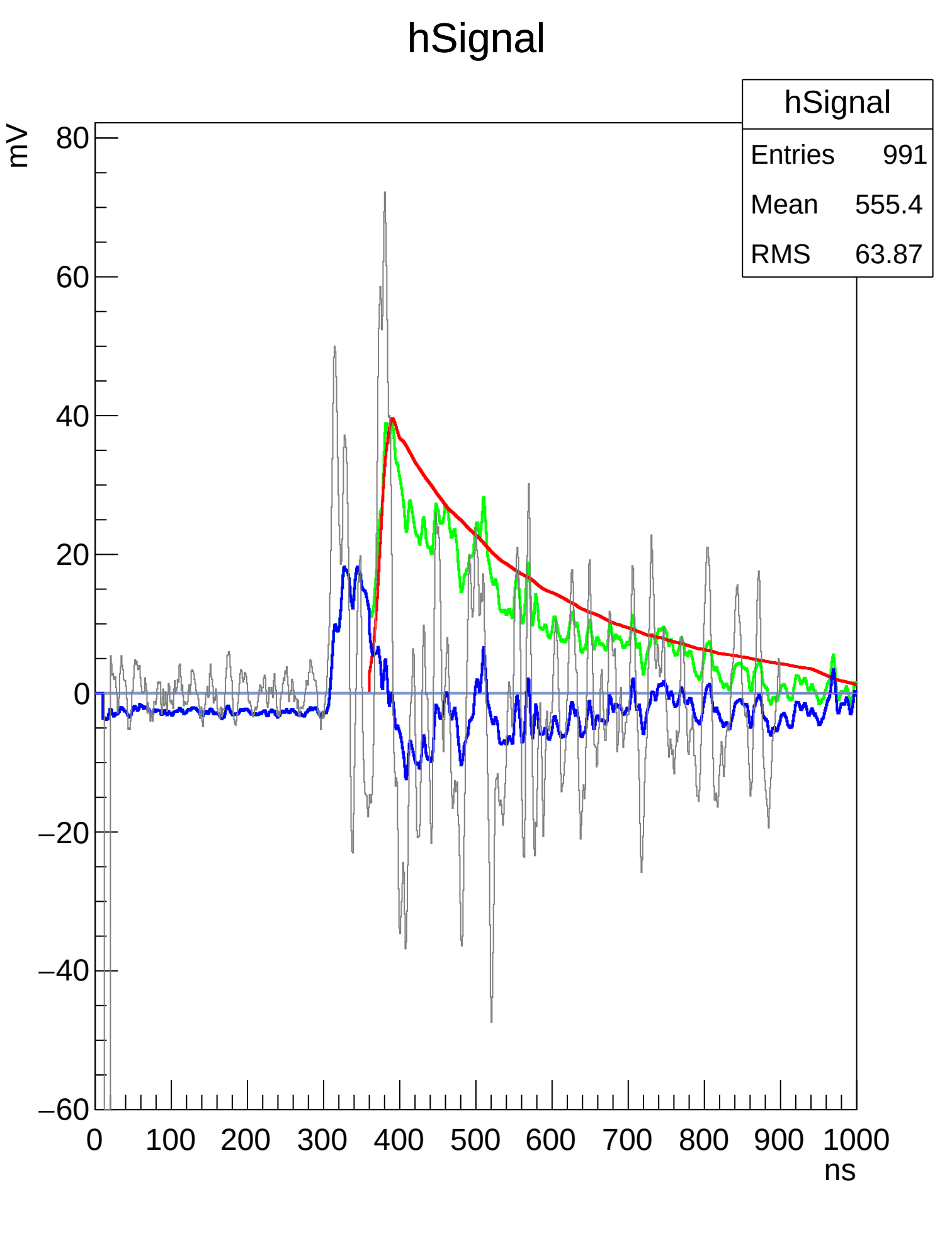
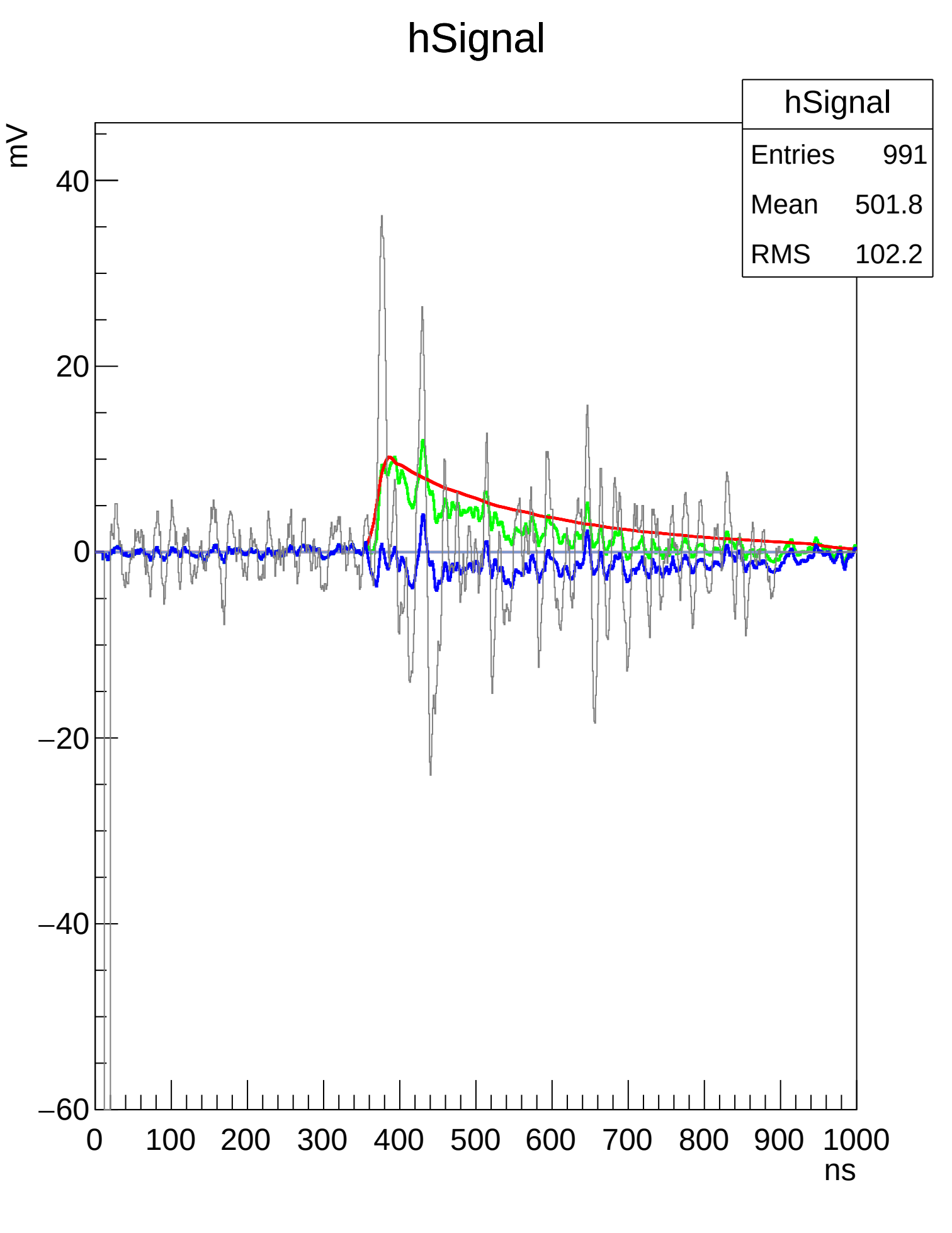
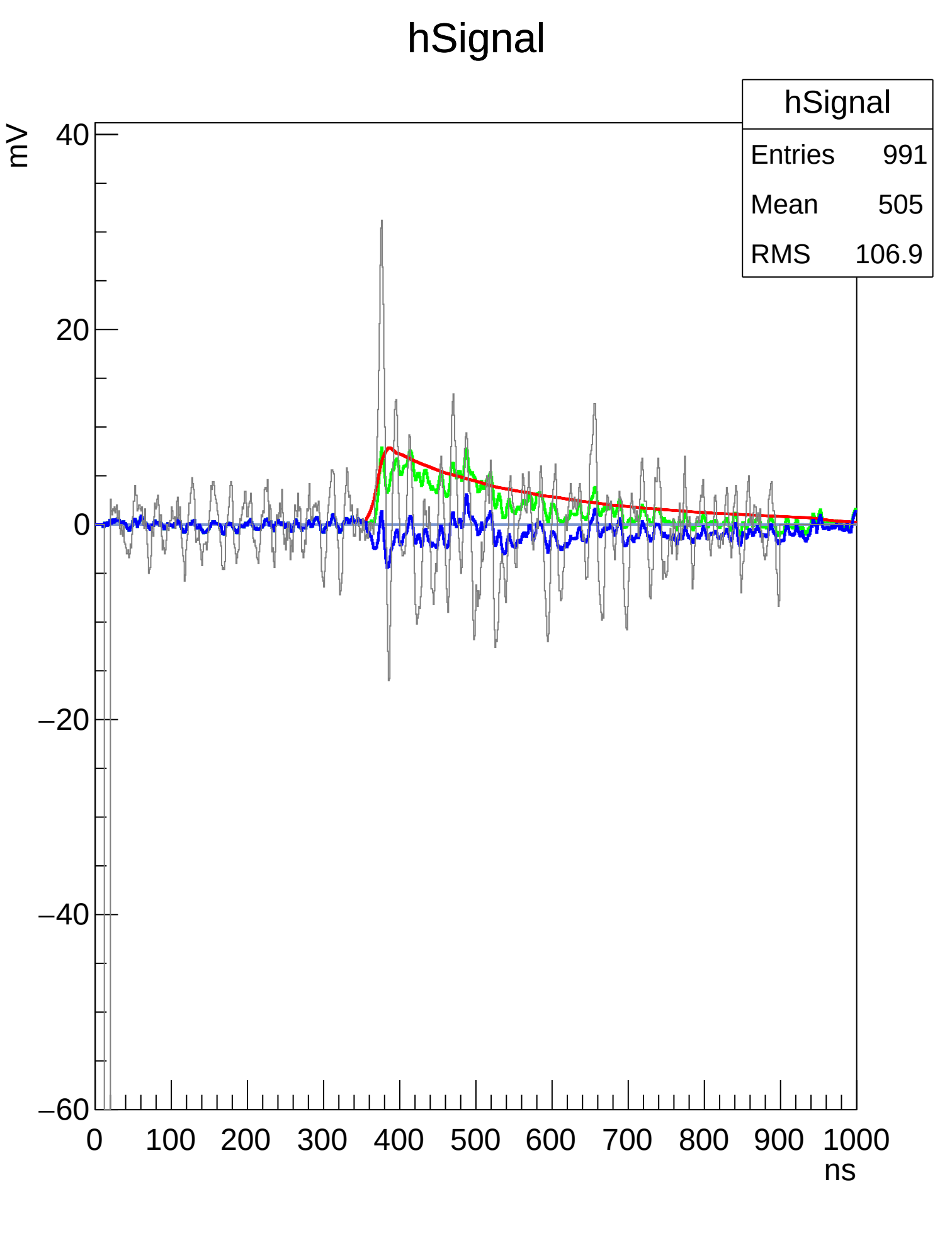
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.7
RMS 159.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.4
RMS 63.87
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.8
RMS 102.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505
RMS 106.9
mV
40
20
0
−20
−40
−60
0
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200
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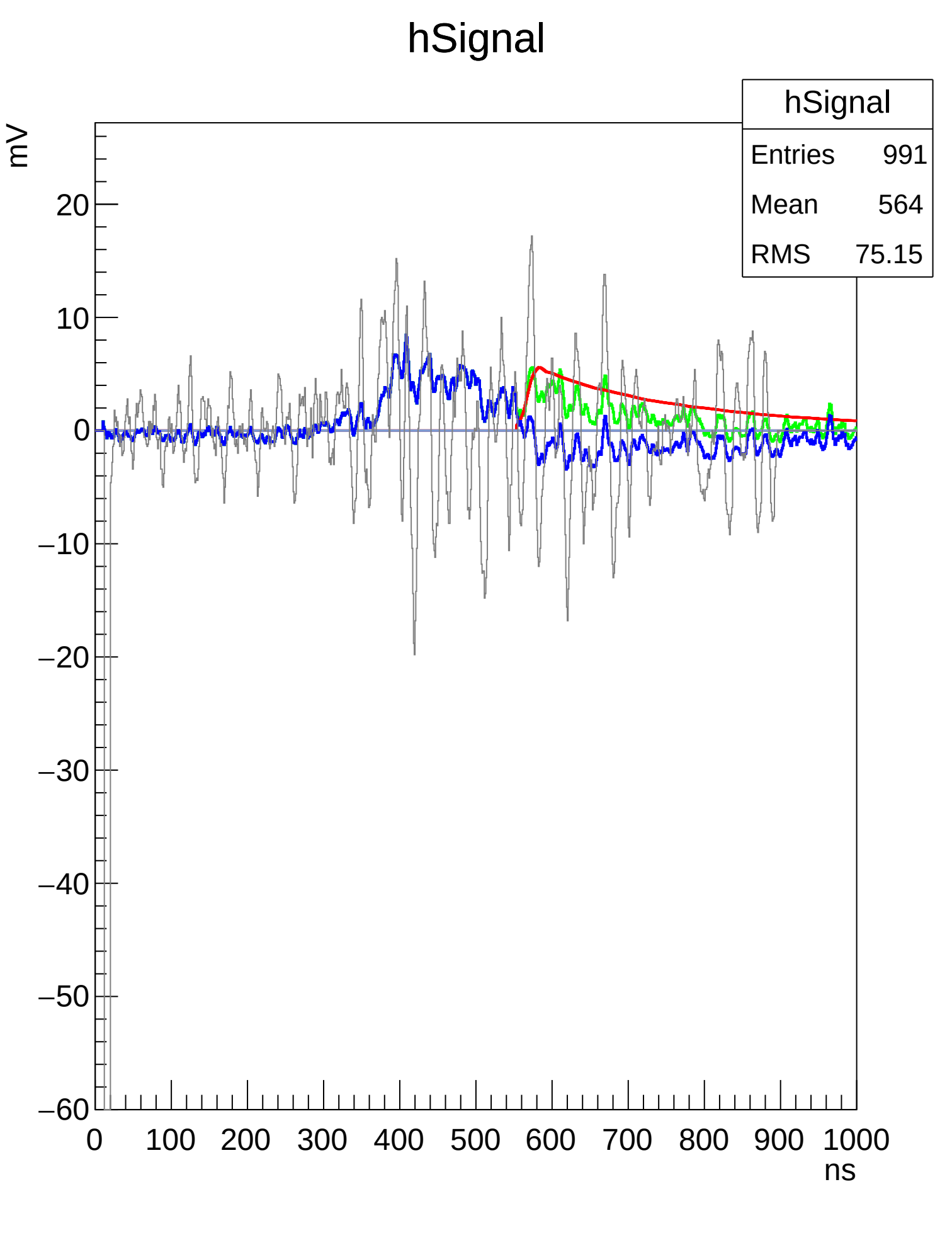
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564
RMS 75.15
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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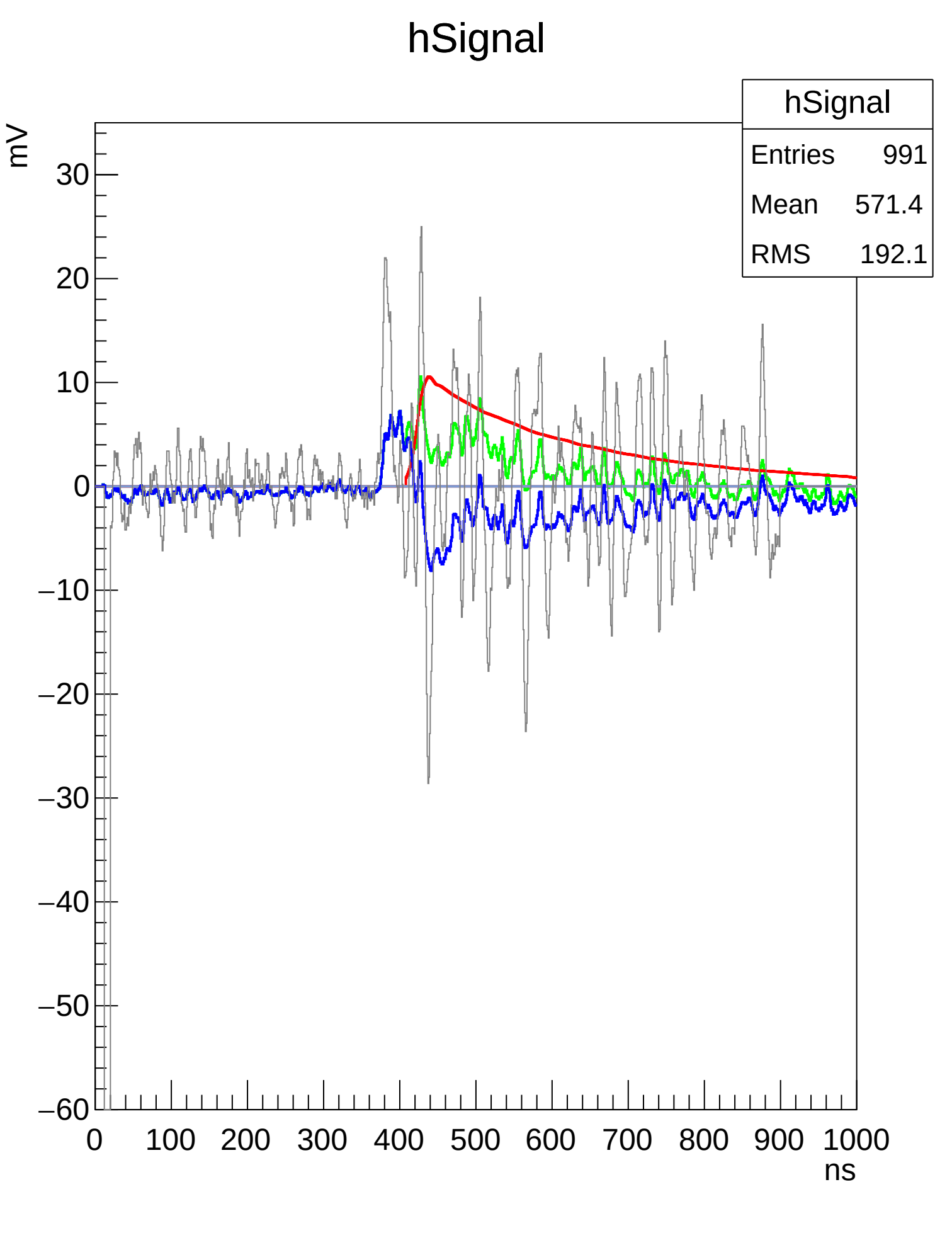
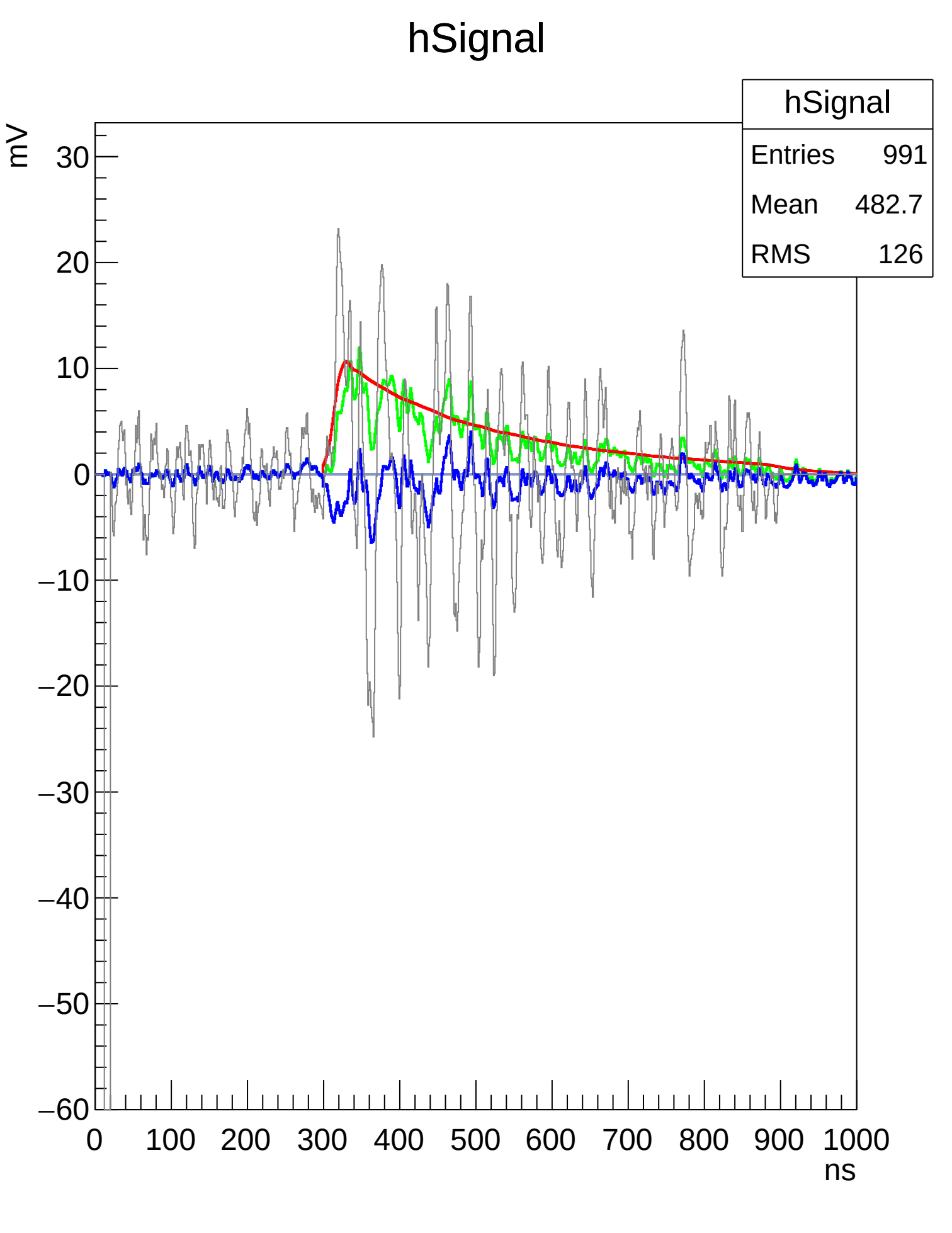
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.4
RMS 192.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 482.7
RMS 126
mV
30
20
10
0
−10
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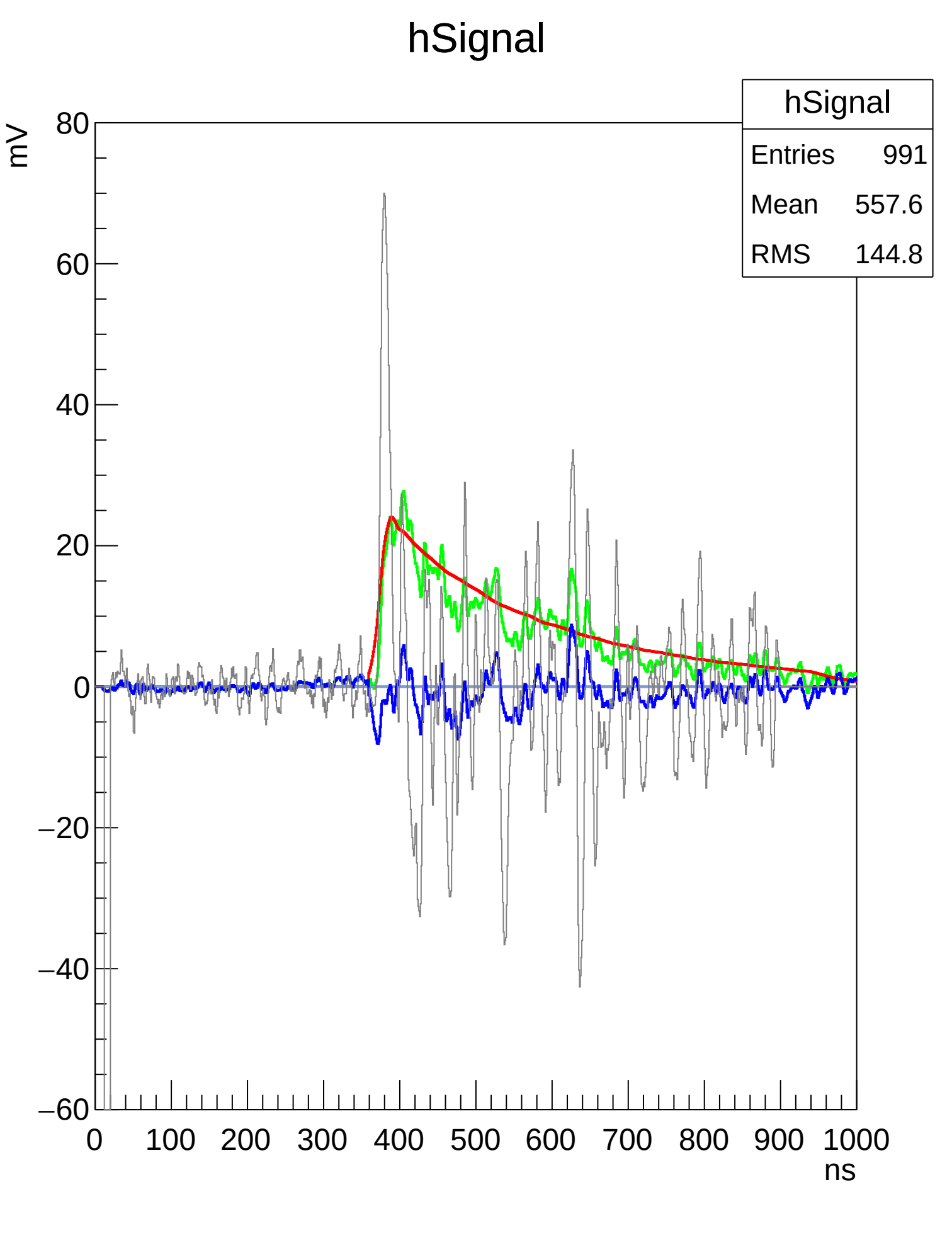
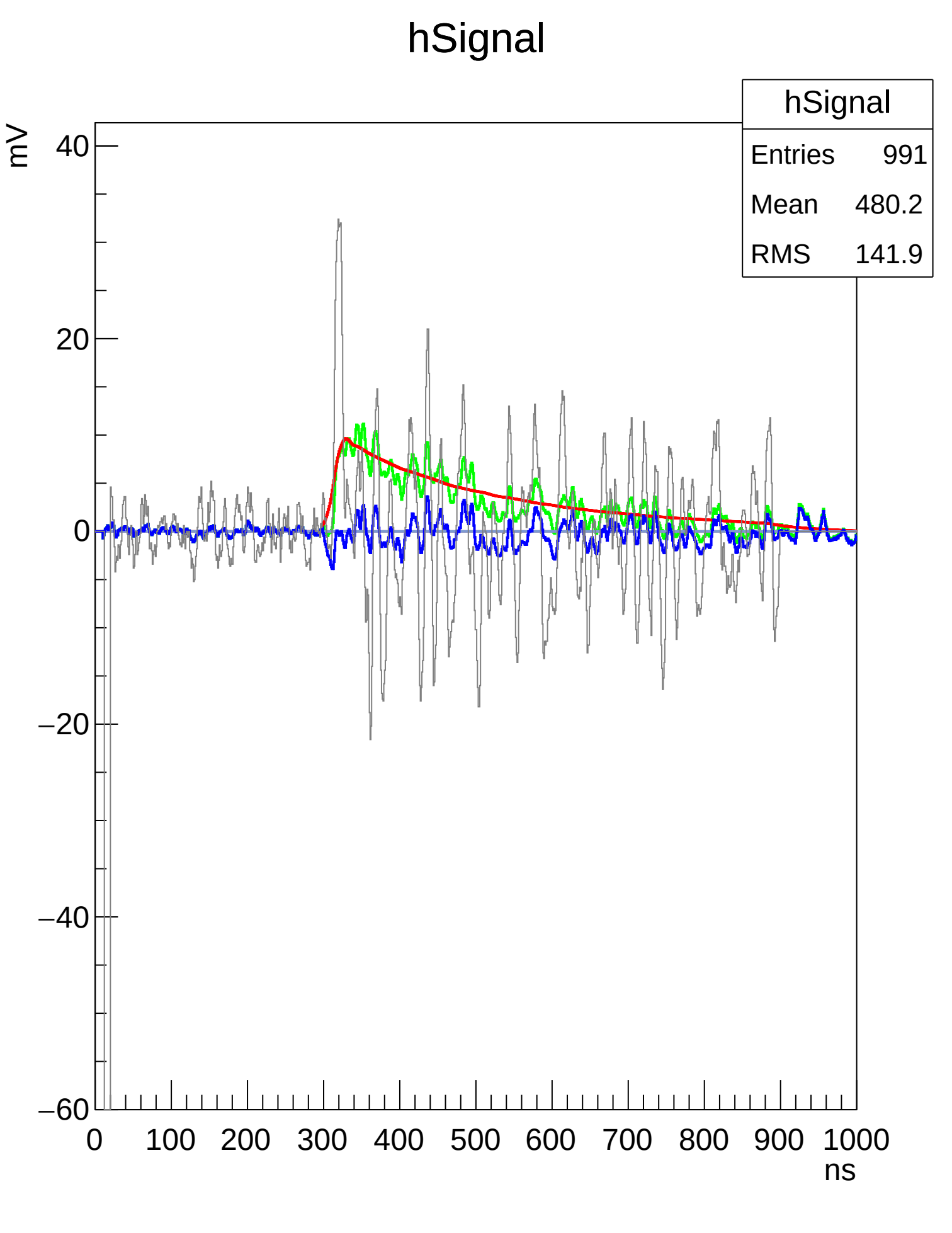
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.6
RMS 144.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.2
RMS 141.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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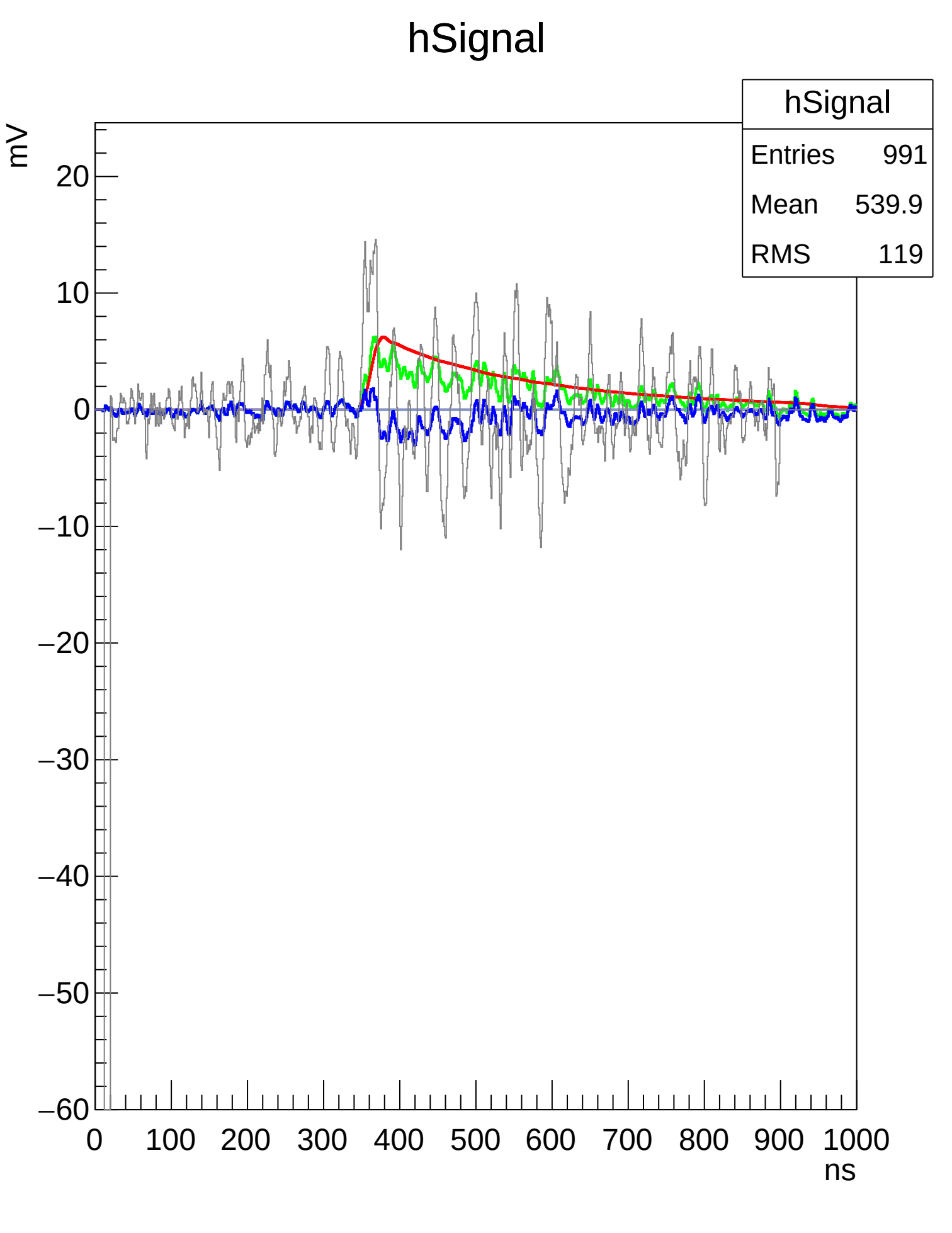
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.9
RMS 119
mV
20
10
0
−10
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−40
−50
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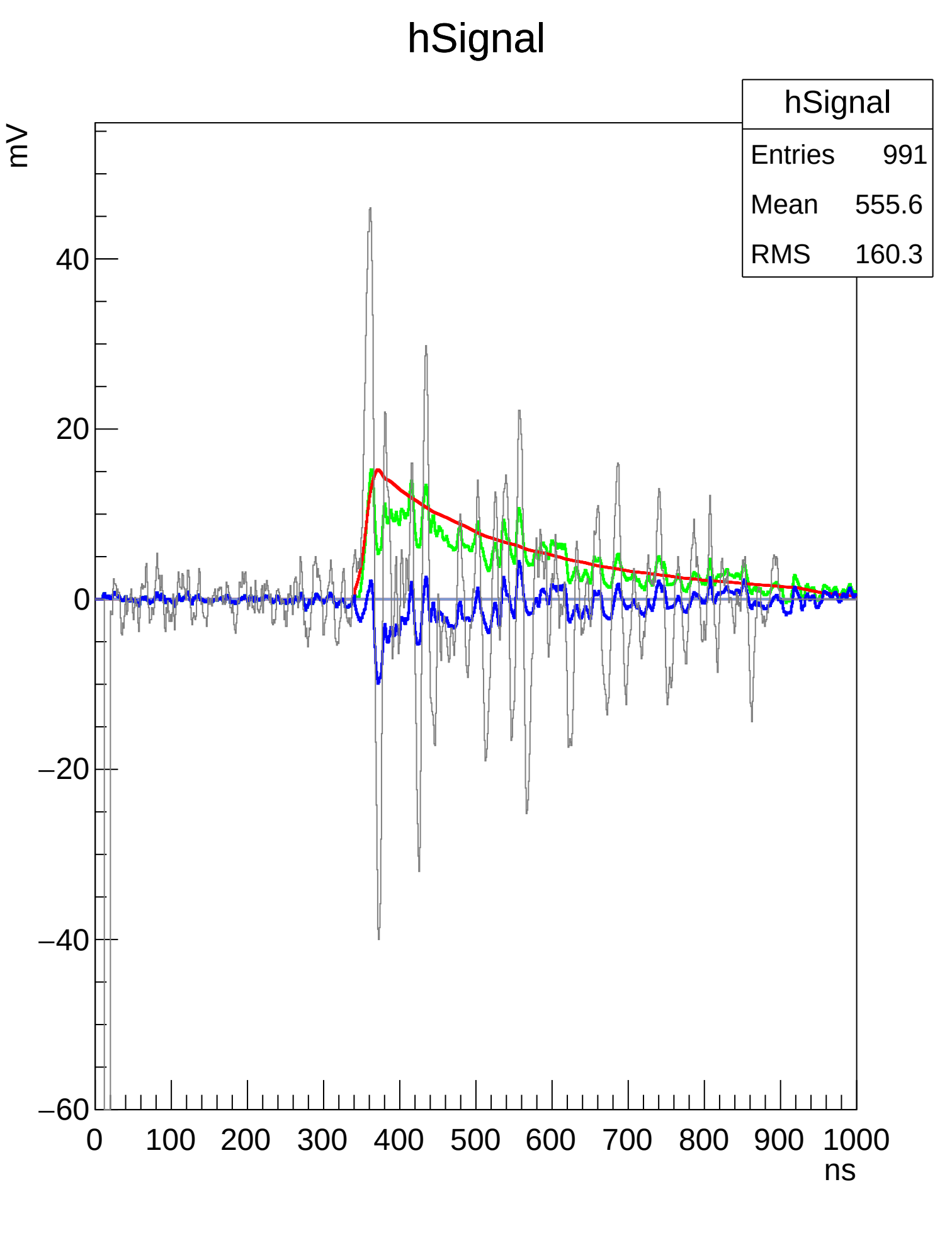
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.6
RMS 160.3
mV
40
20
0
−20
−40
−60
0
100
200
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400
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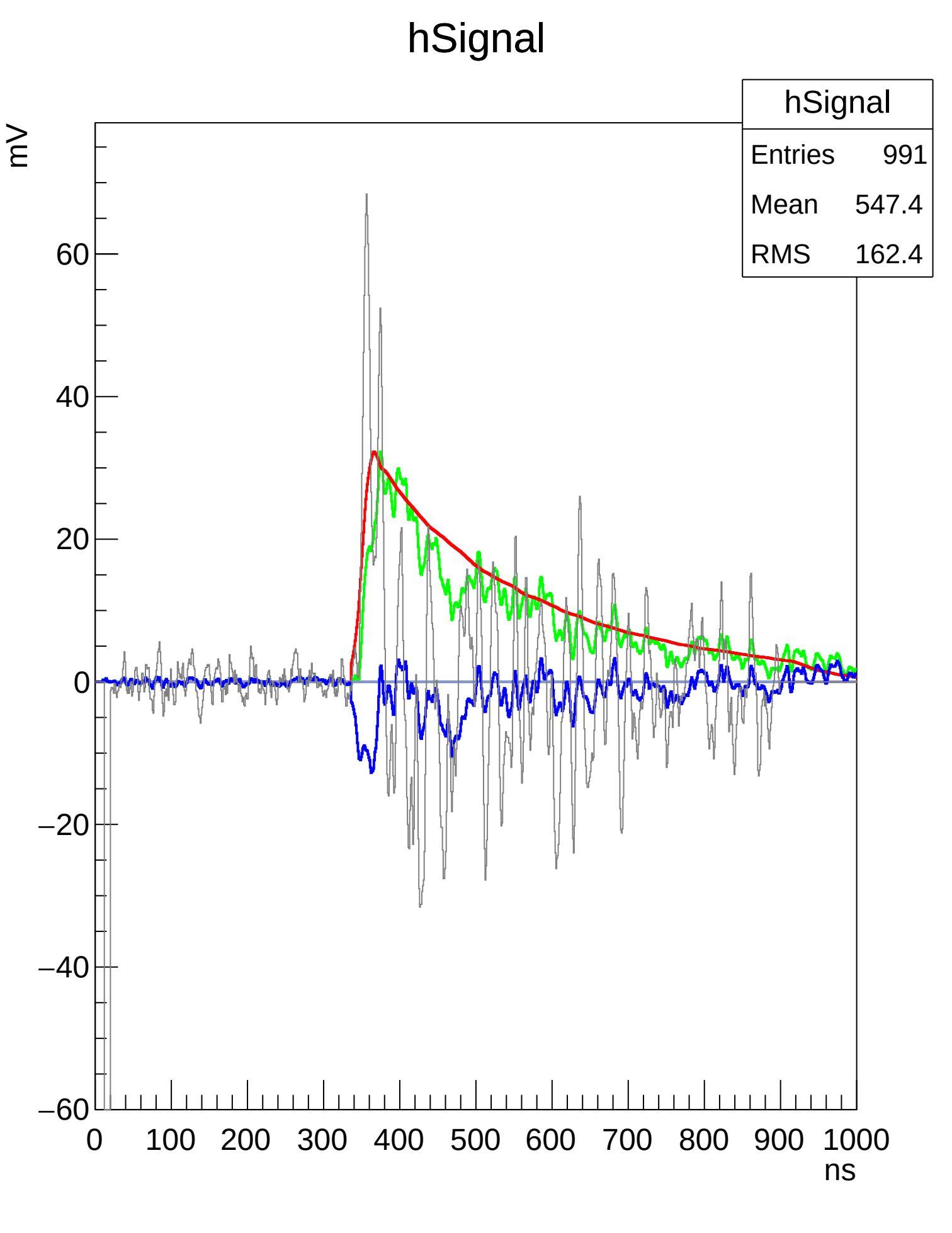
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.4
RMS 162.4
mV
60
40
20
0
−20
−40
−60
0
100
200
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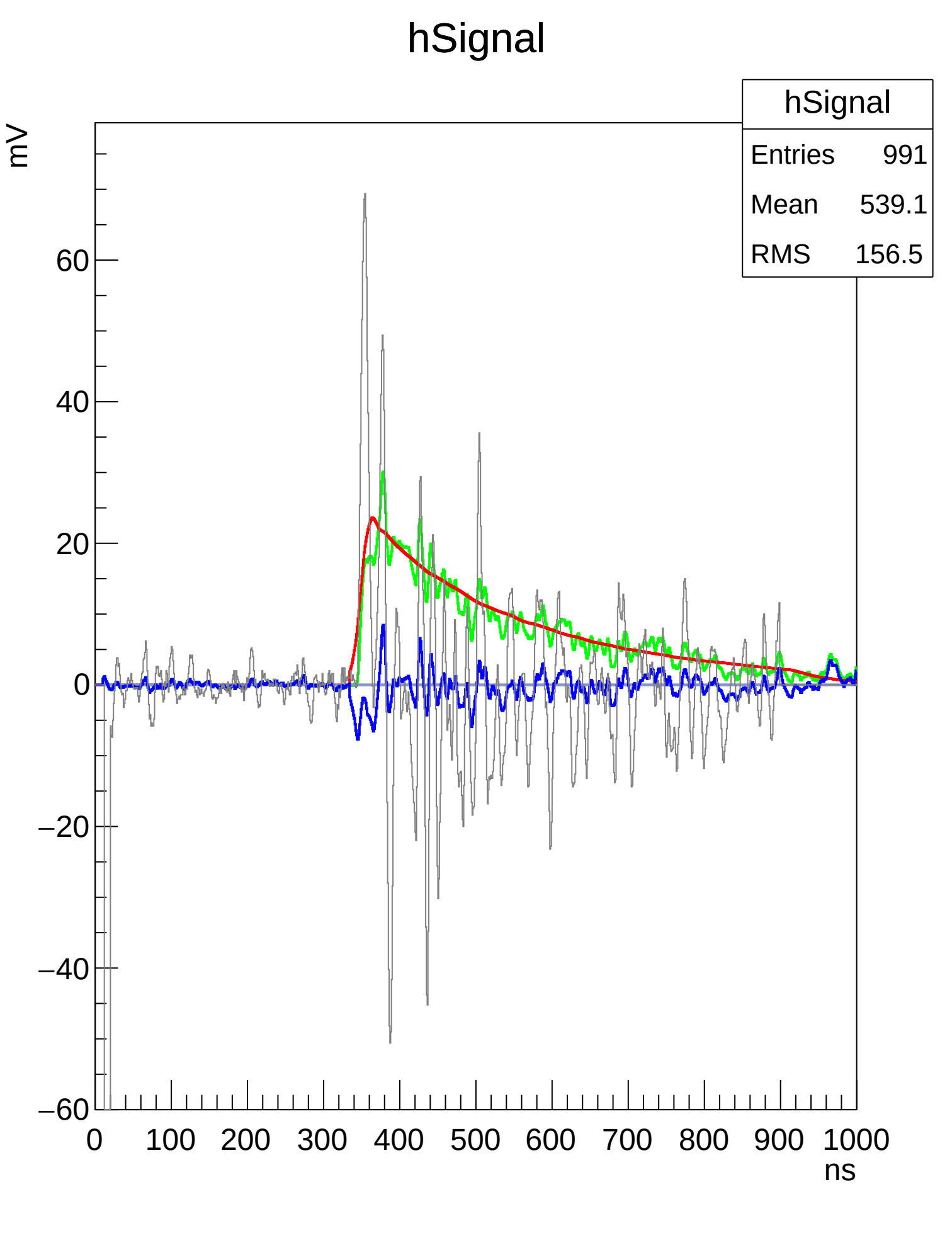
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.1
RMS 156.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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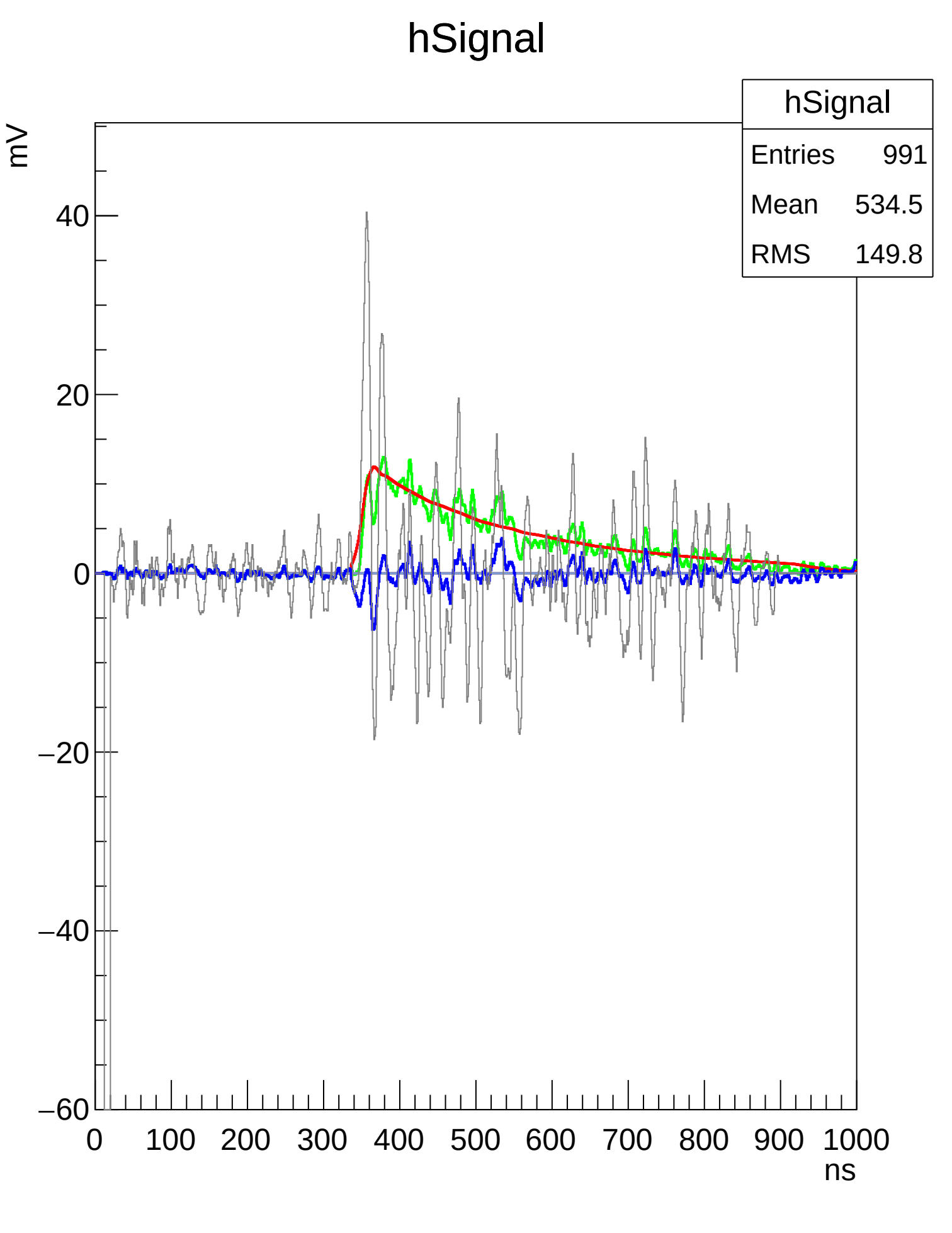
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.5
RMS 149.8
mV
40
20
0
−20
−40
−60
0
100
200
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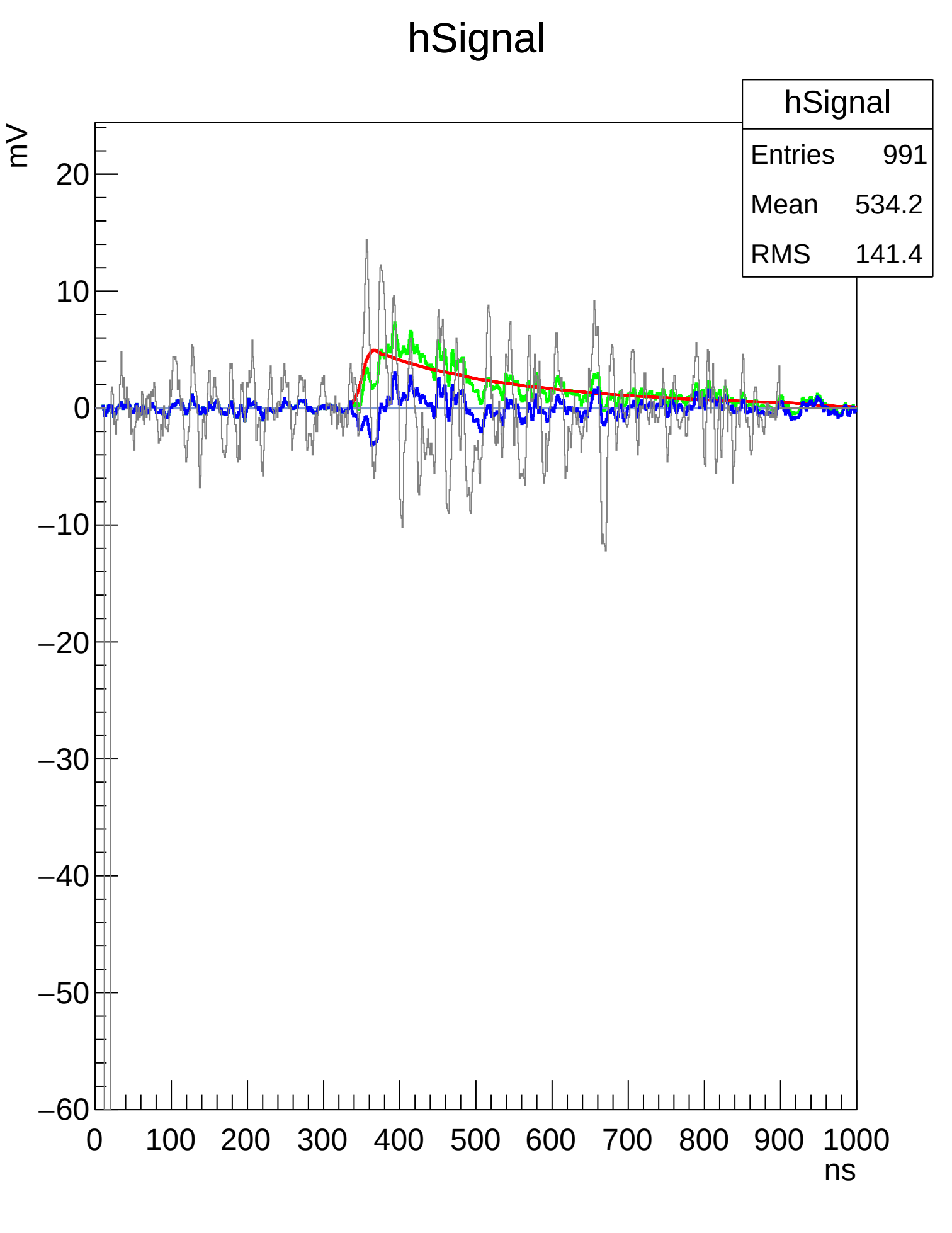
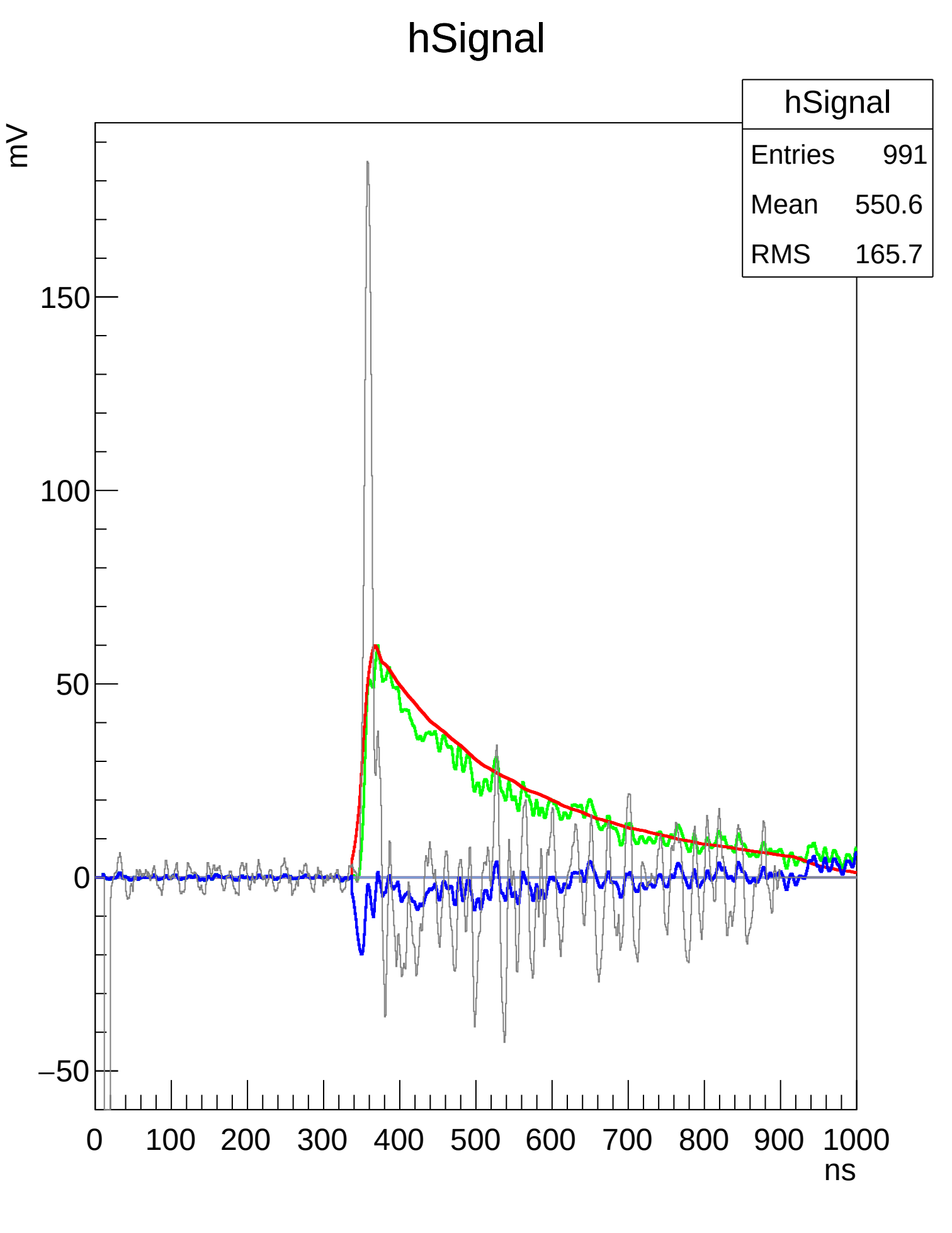
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.2
RMS 141.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.6
RMS 165.7
mV
150
100
50
0
−50
0
100
200
300
400
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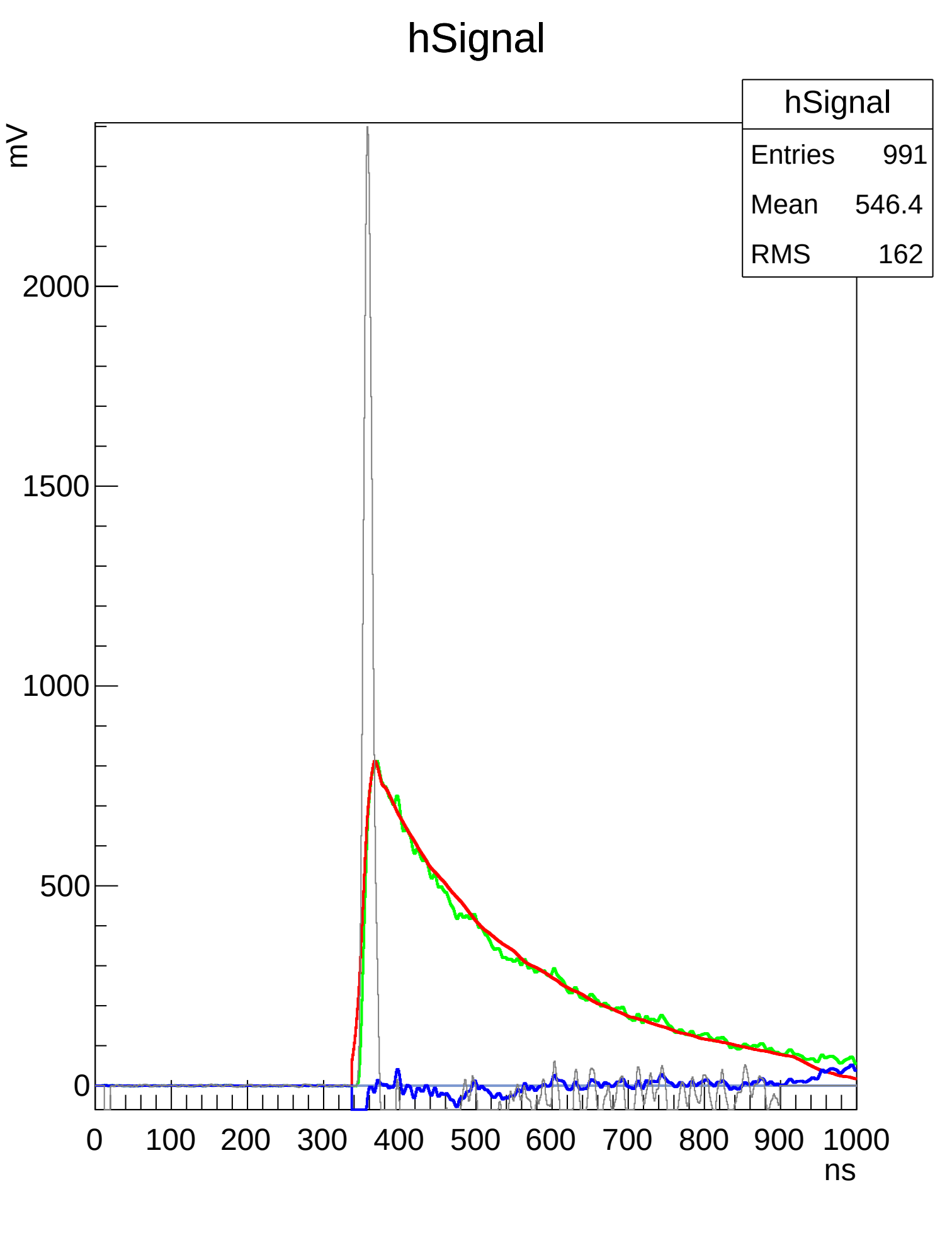
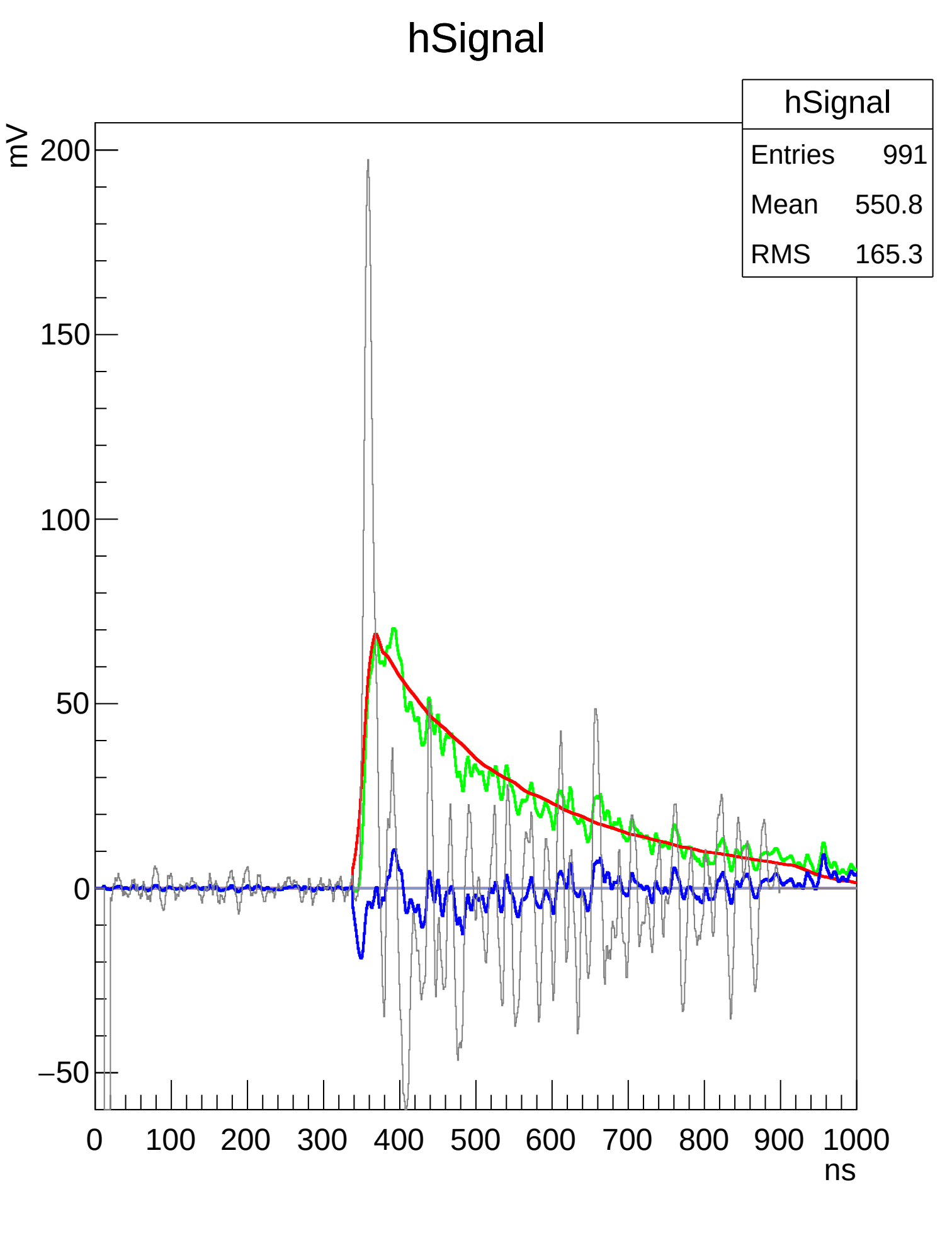
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.4
RMS 162
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 550.8
RMS 165.3
mV
200
150
100
50
0
−50
0
100
200
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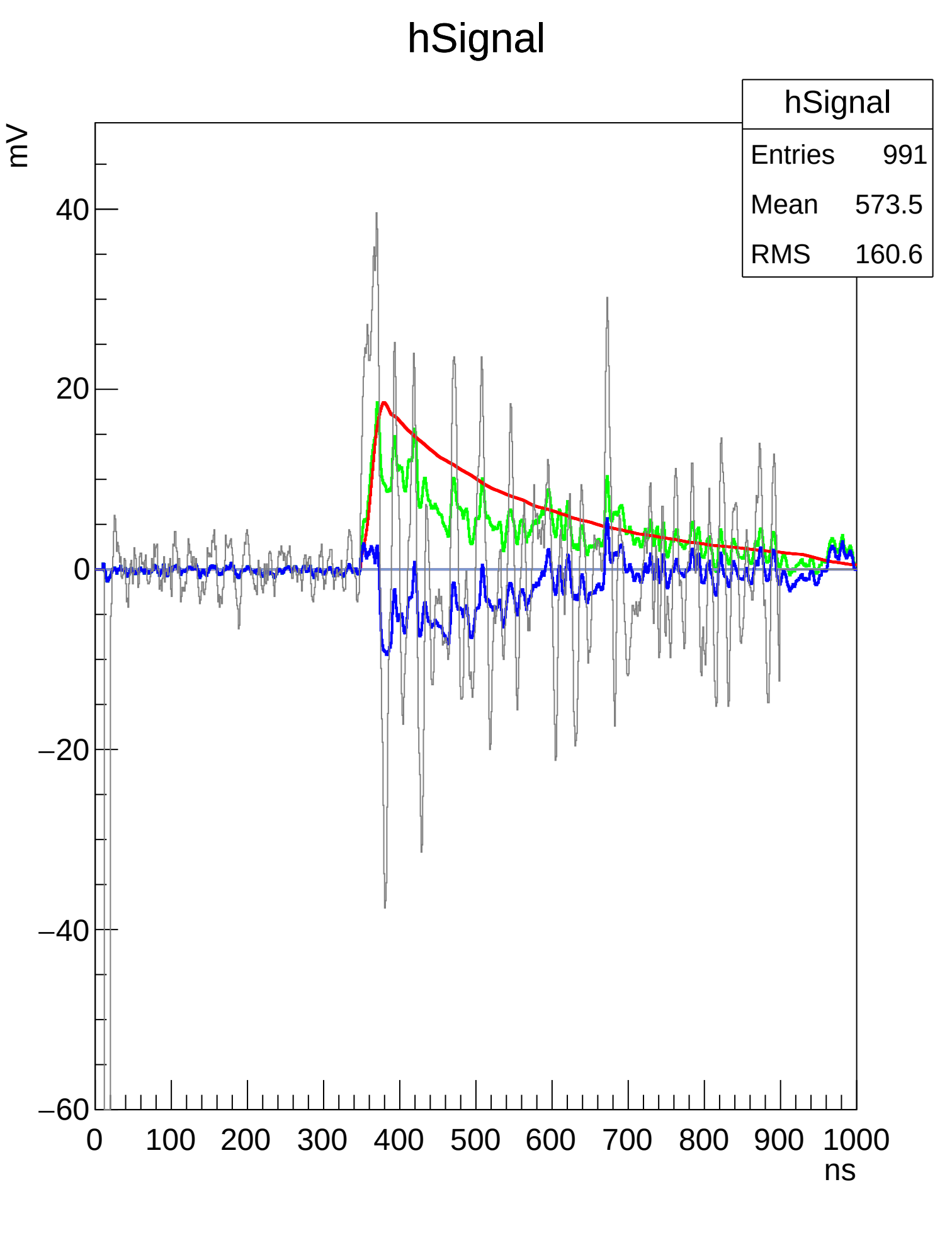
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.5
RMS 160.6
mV
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0
−20
−40
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0
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200
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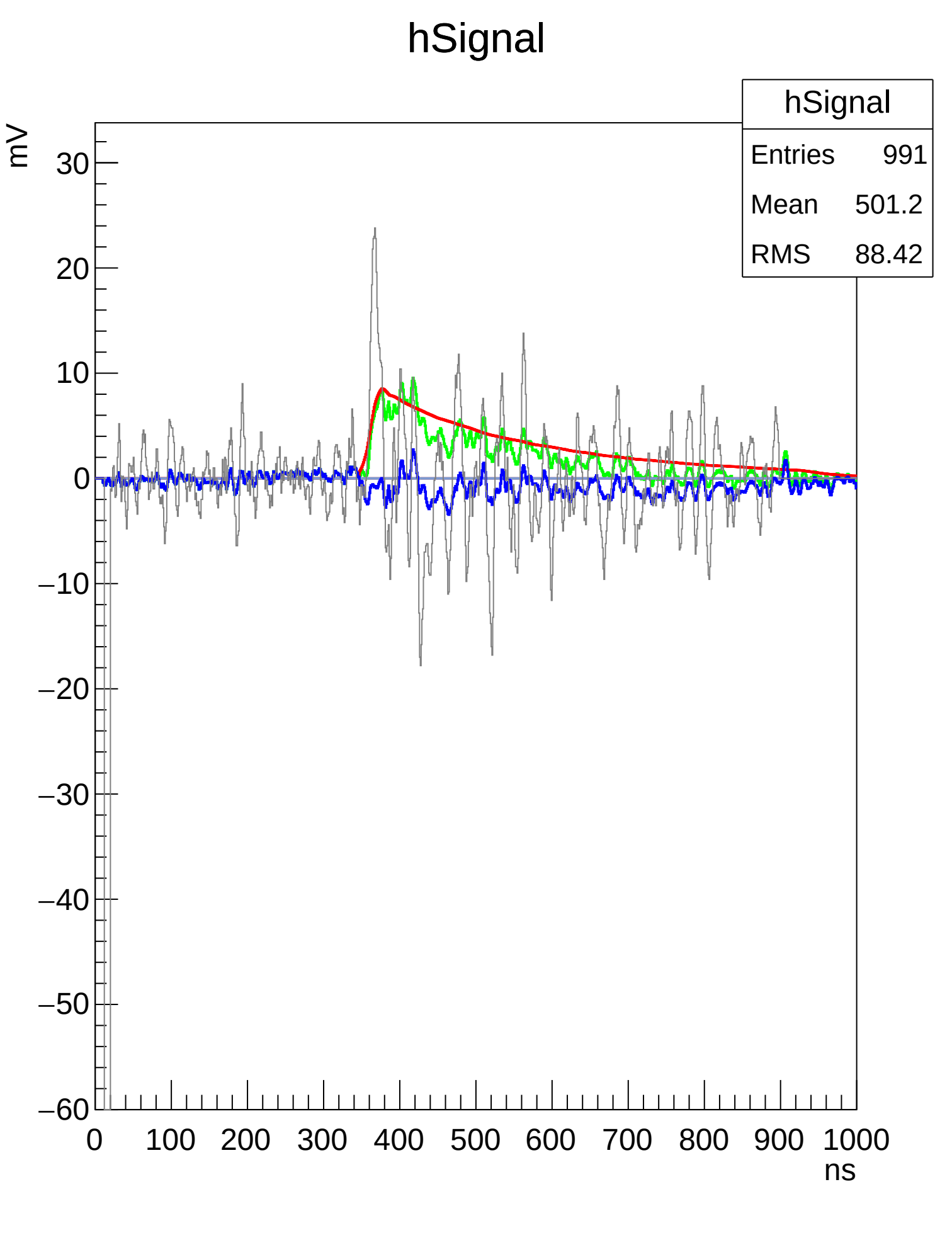
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.2
RMS 88.42
mV
30
20
10
0
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−40
−50
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0
100
200
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400
500
600
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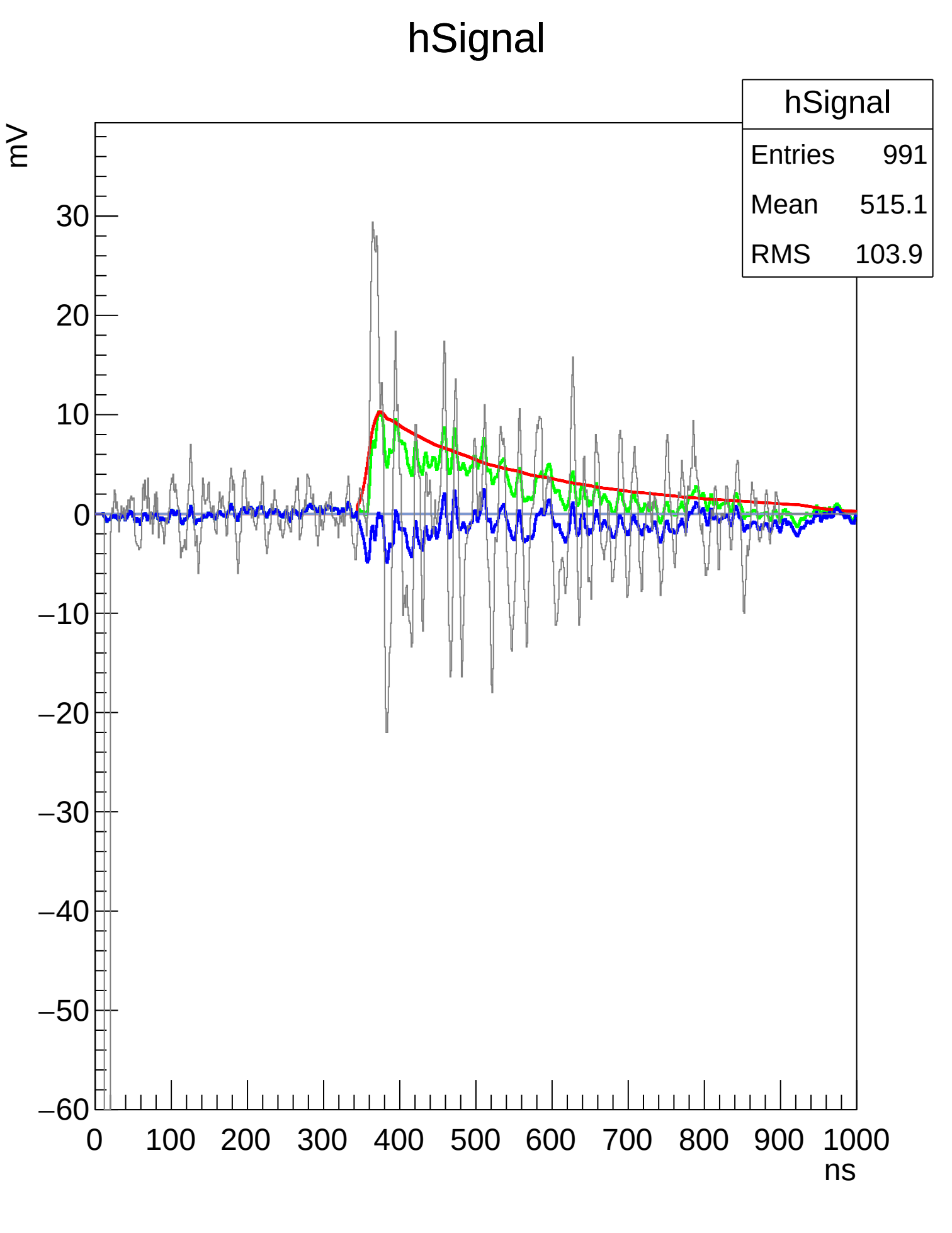
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.1
RMS 103.9
mV
30
20
10
0
−10
−20
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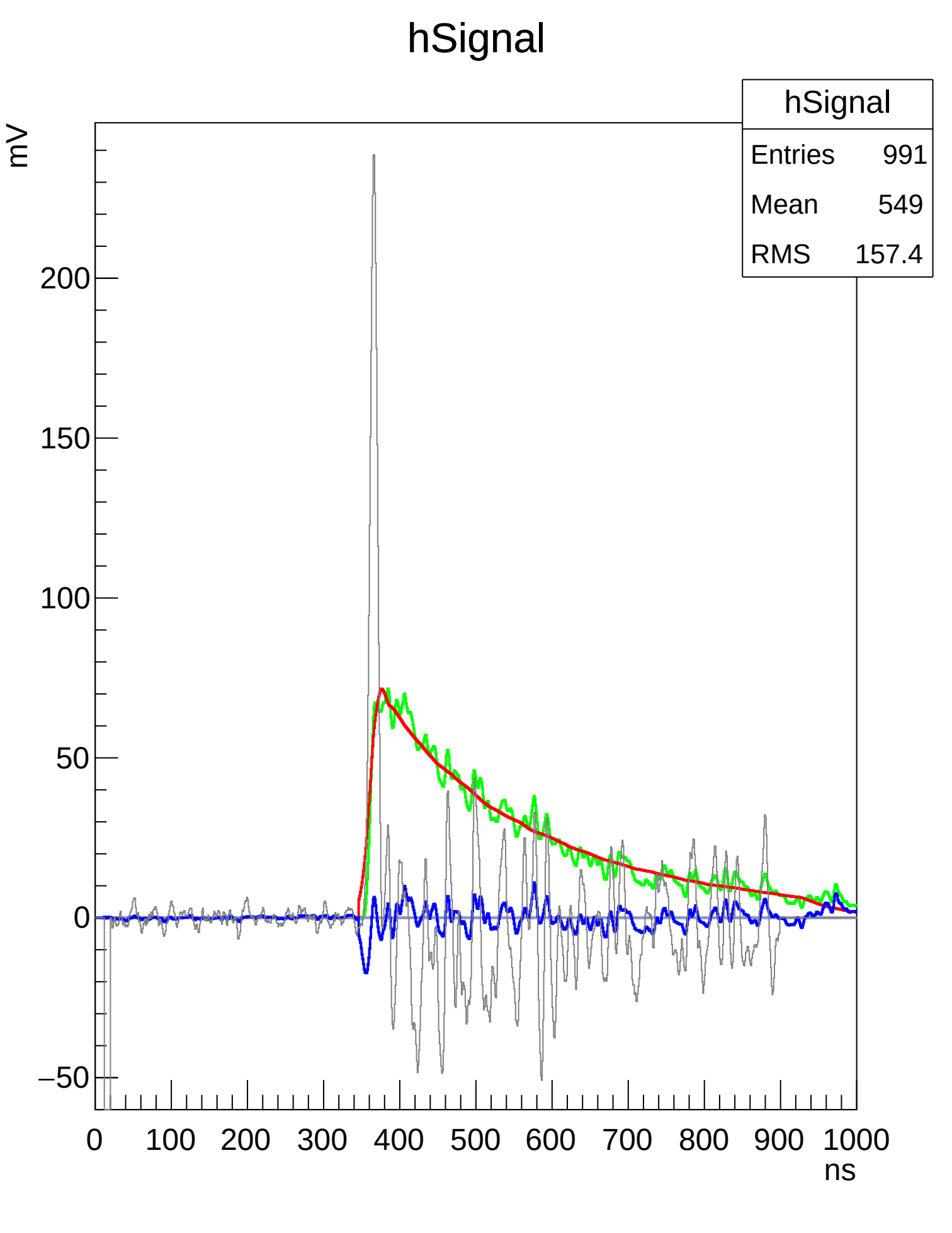
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549
RMS 157.4
mV
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100
50
0
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0
100
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400
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600
700
800
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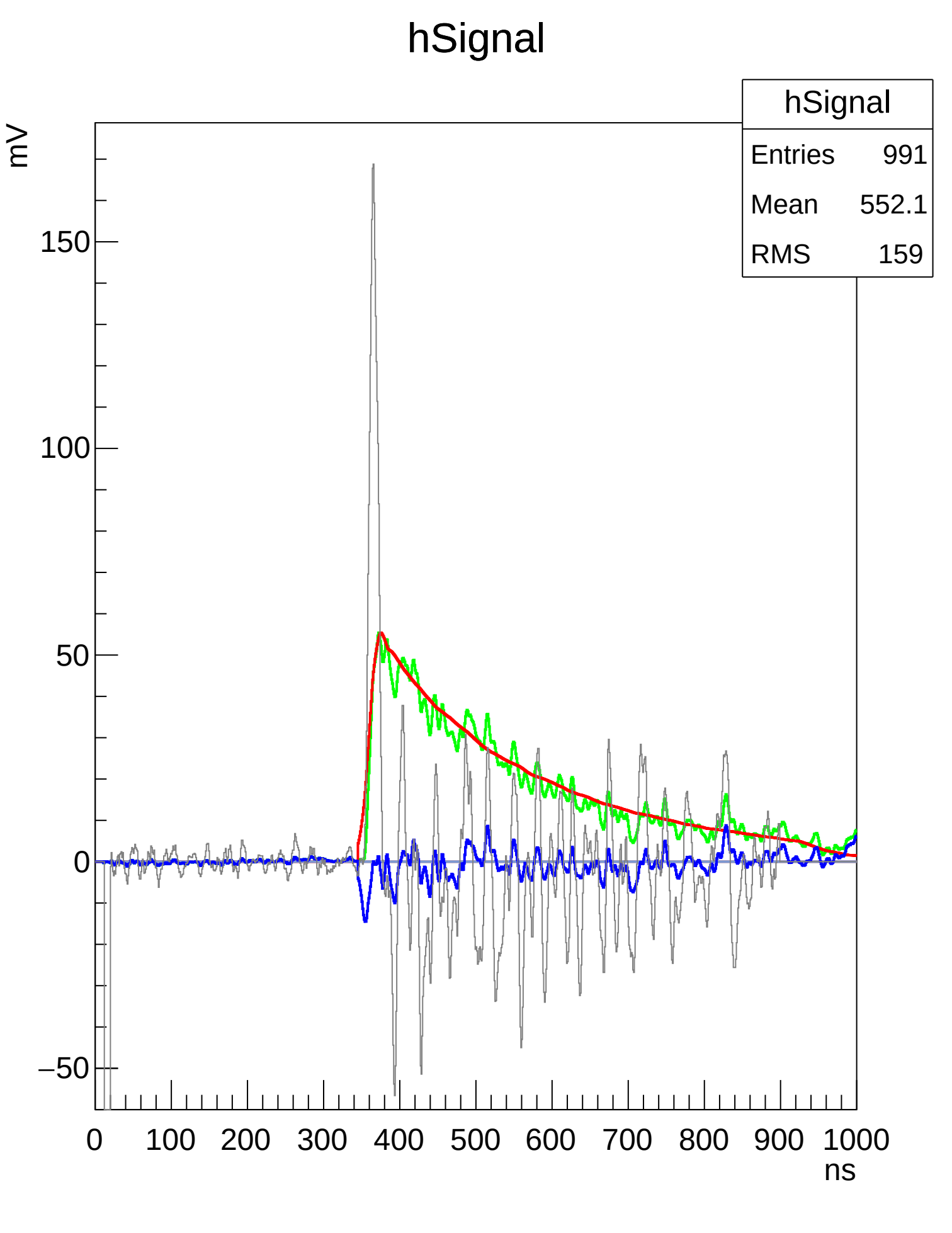
1000
ns


hSignal
hSignal
Entries 991
Mean 552.1
RMS 159
mV
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100
50
0
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0
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400
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600
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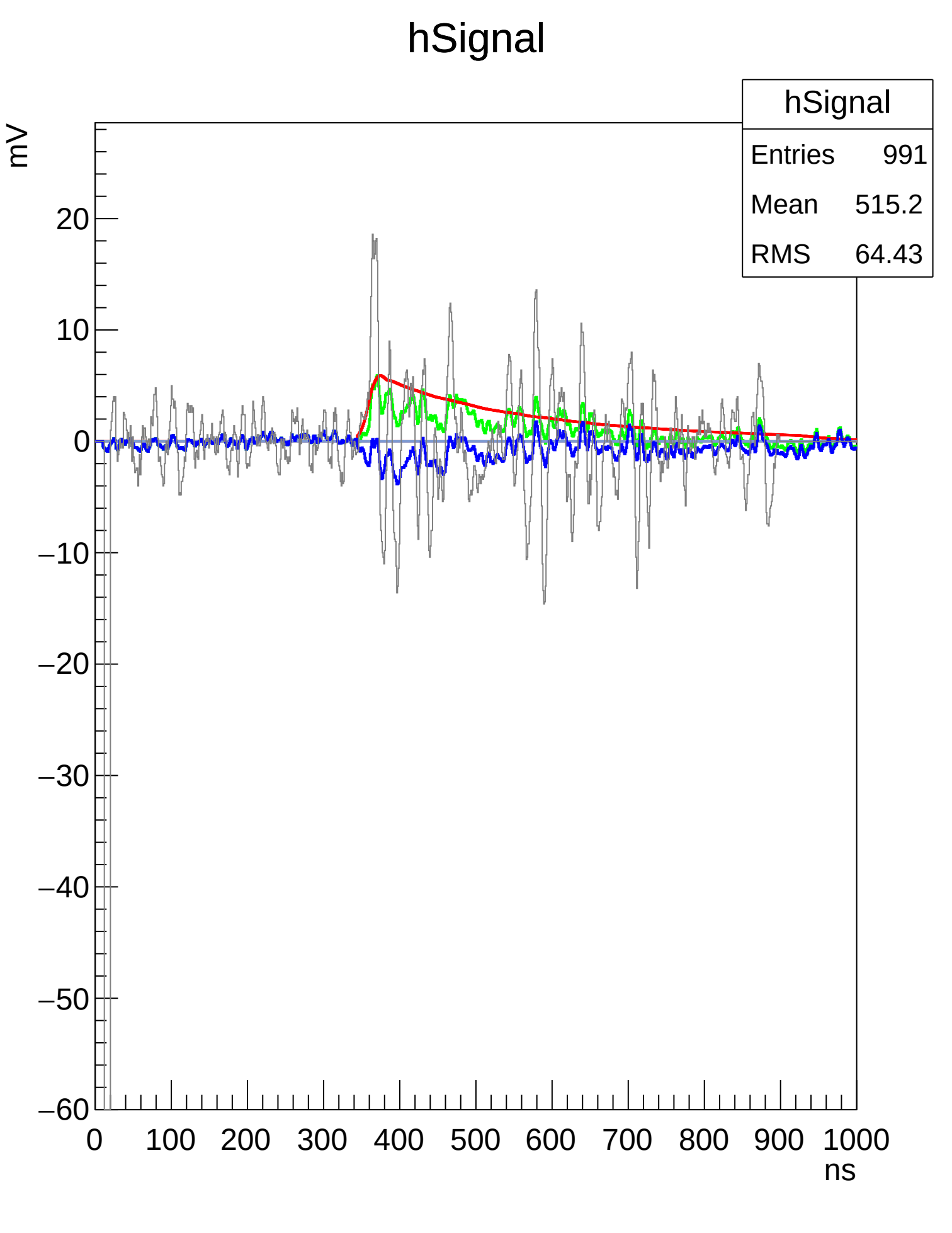
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.2
RMS 64.43
mV
20
10
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1000
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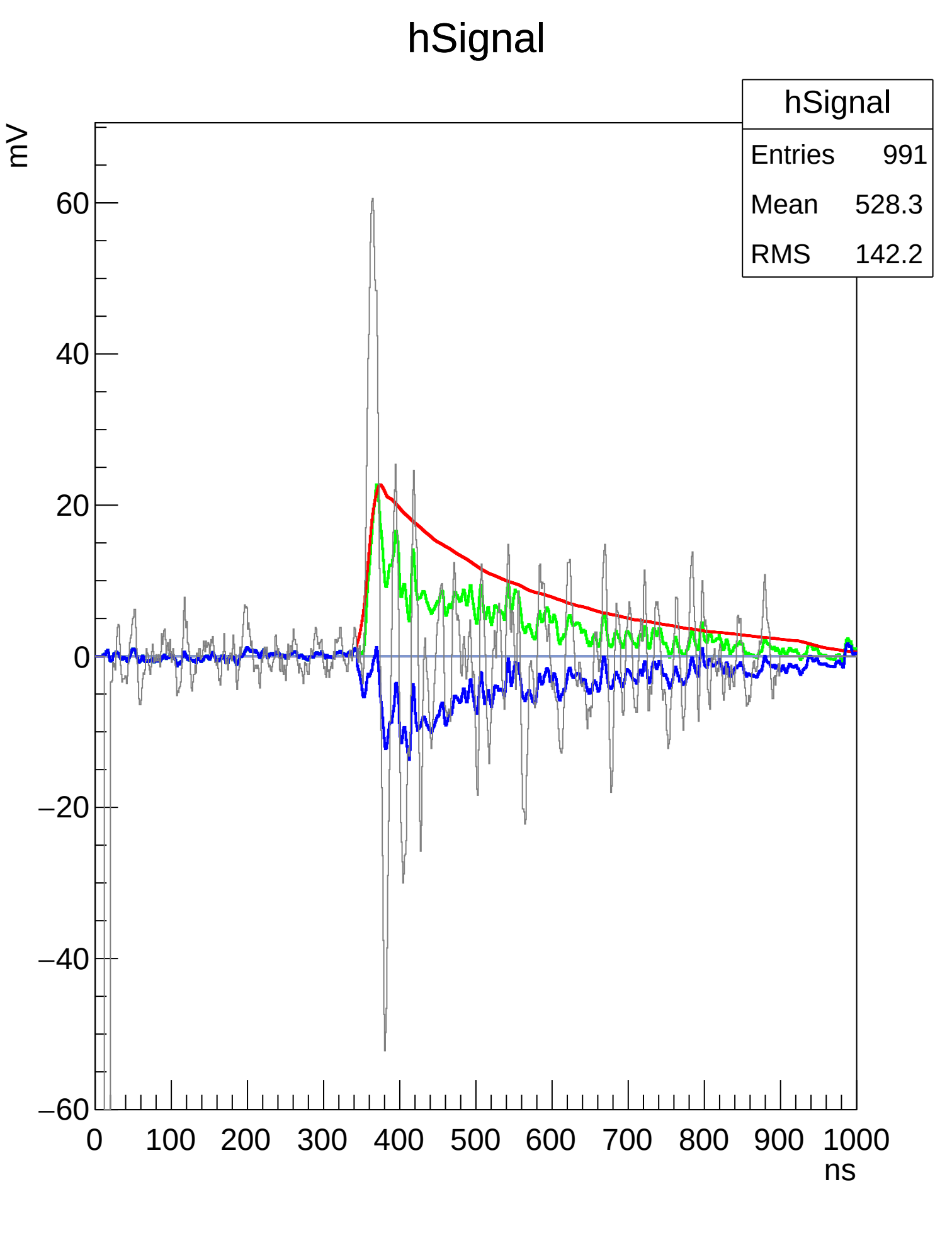
hSignal
hSignal
Entries 991
Mean 528.3
RMS 142.2
mV
60
40
20
0
−20
−40
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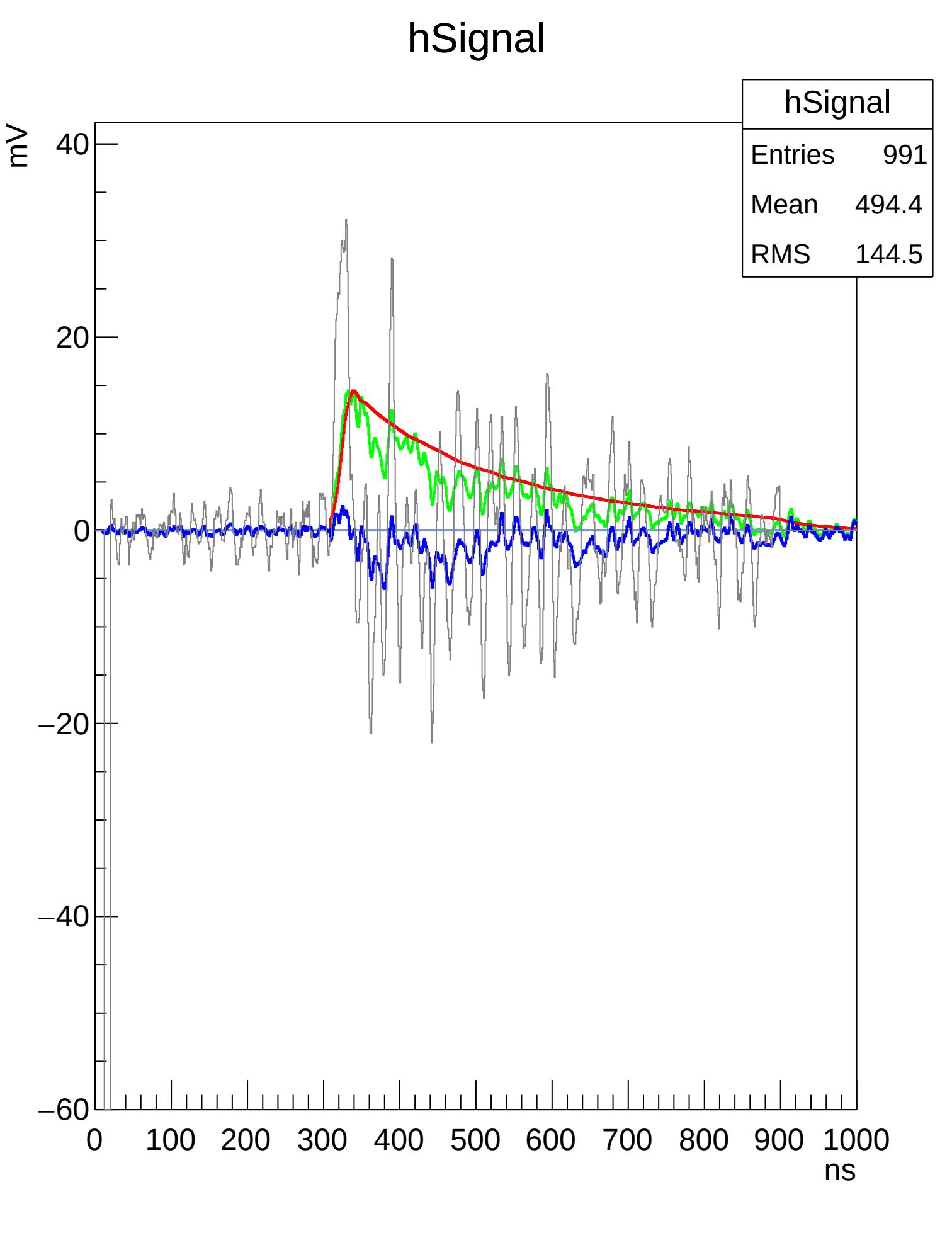
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.4
RMS 144.5
mV
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0
−20
−40
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0
100
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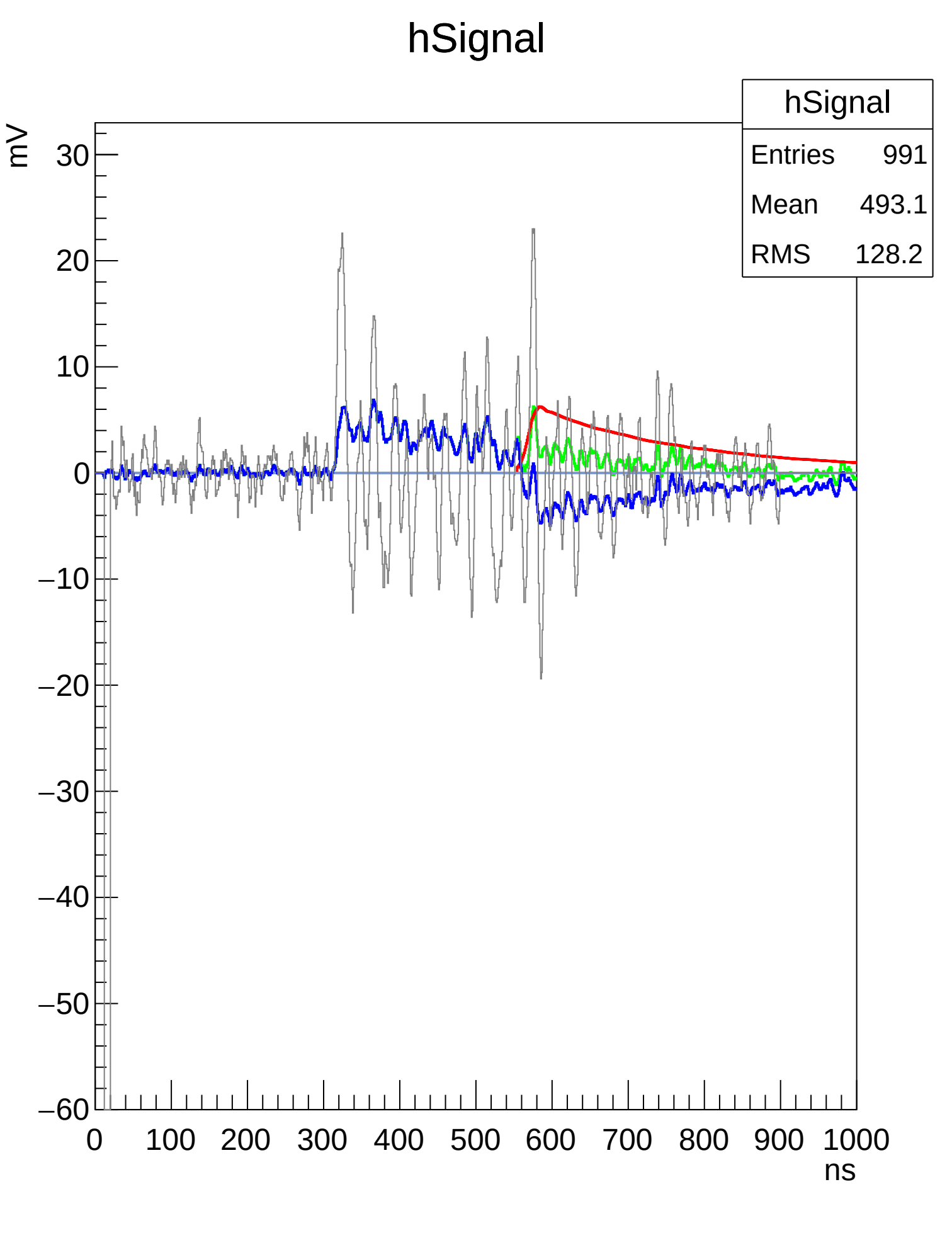
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.1
RMS 128.2
mV
30
20
10
0
−10
−20
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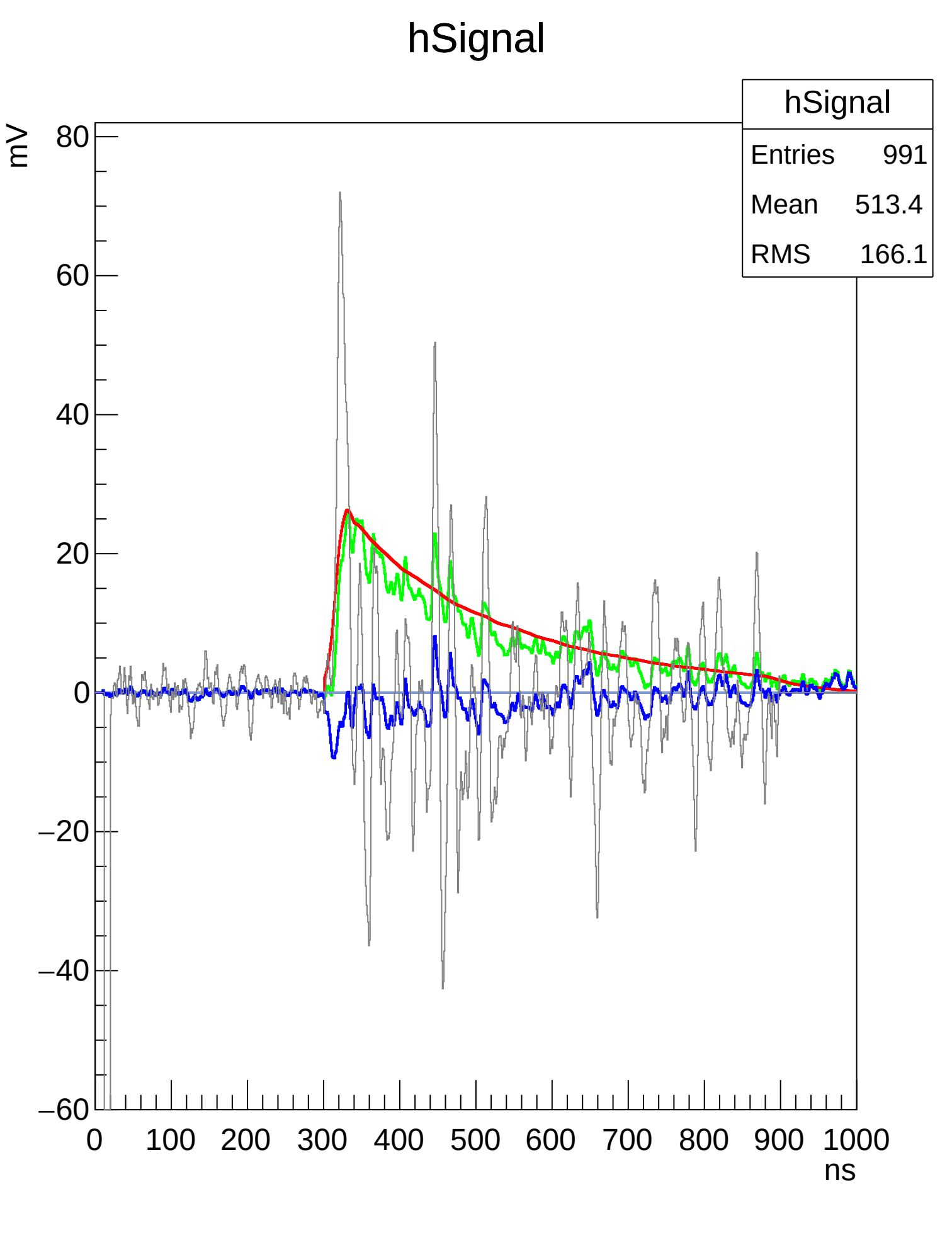
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.4
RMS 166.1
mV
80
60
40
20
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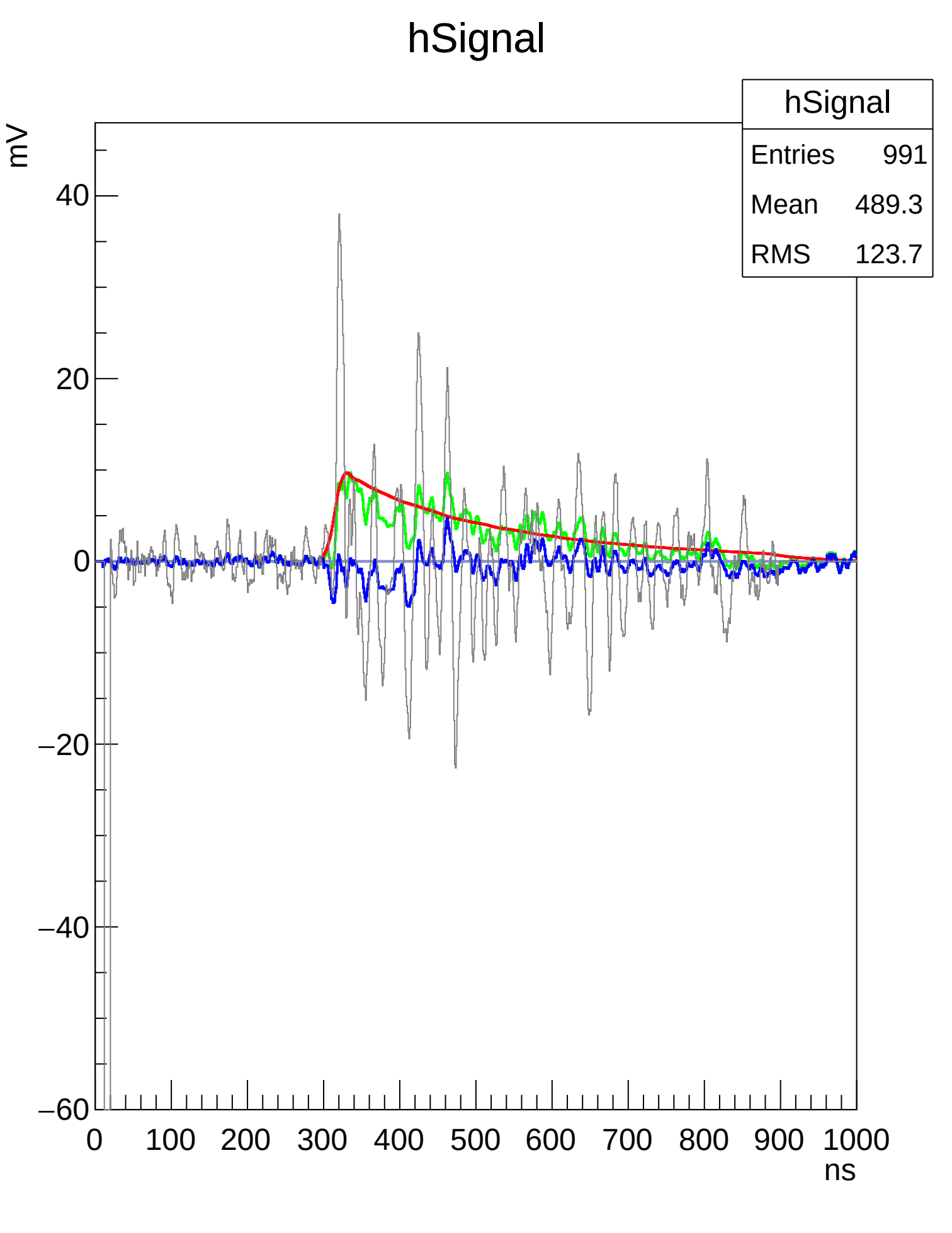
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.3
RMS 123.7
mV
40
20
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−20
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0
100
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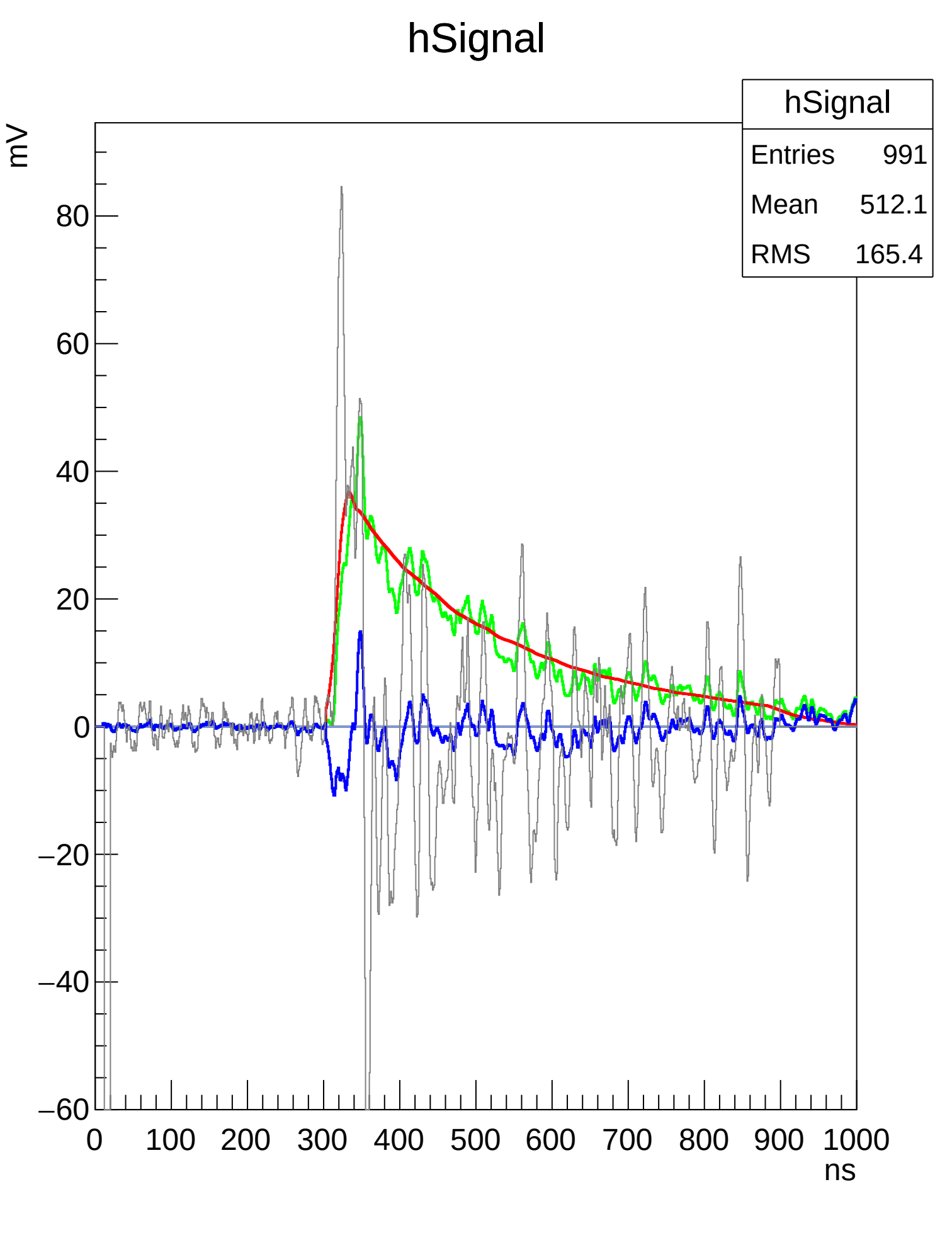
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.1
RMS 165.4
mV
80
60
40
20
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−20
−40
−60
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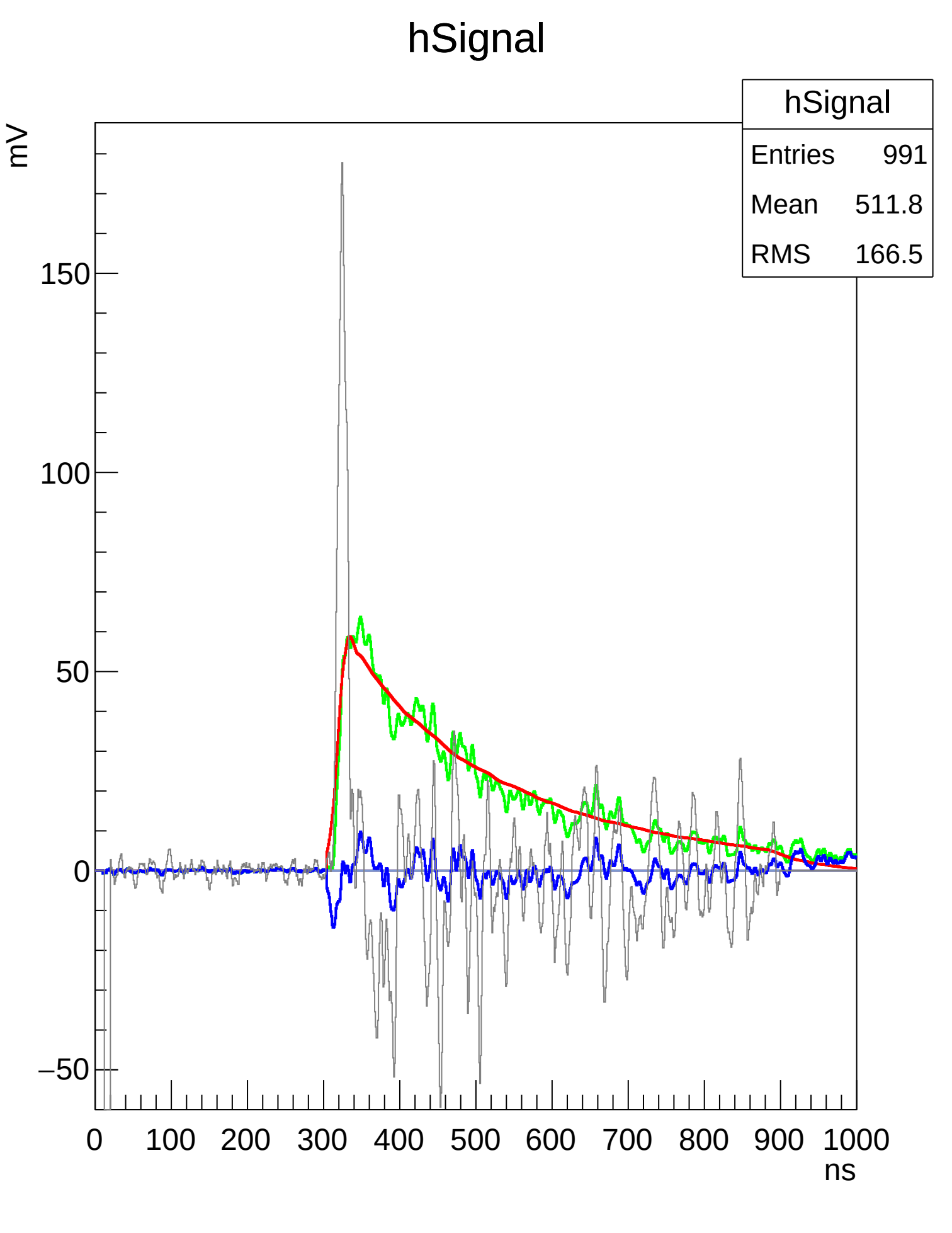
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.8
RMS 166.5
mV
150
100
50
0
−50
0
100
200
300
400
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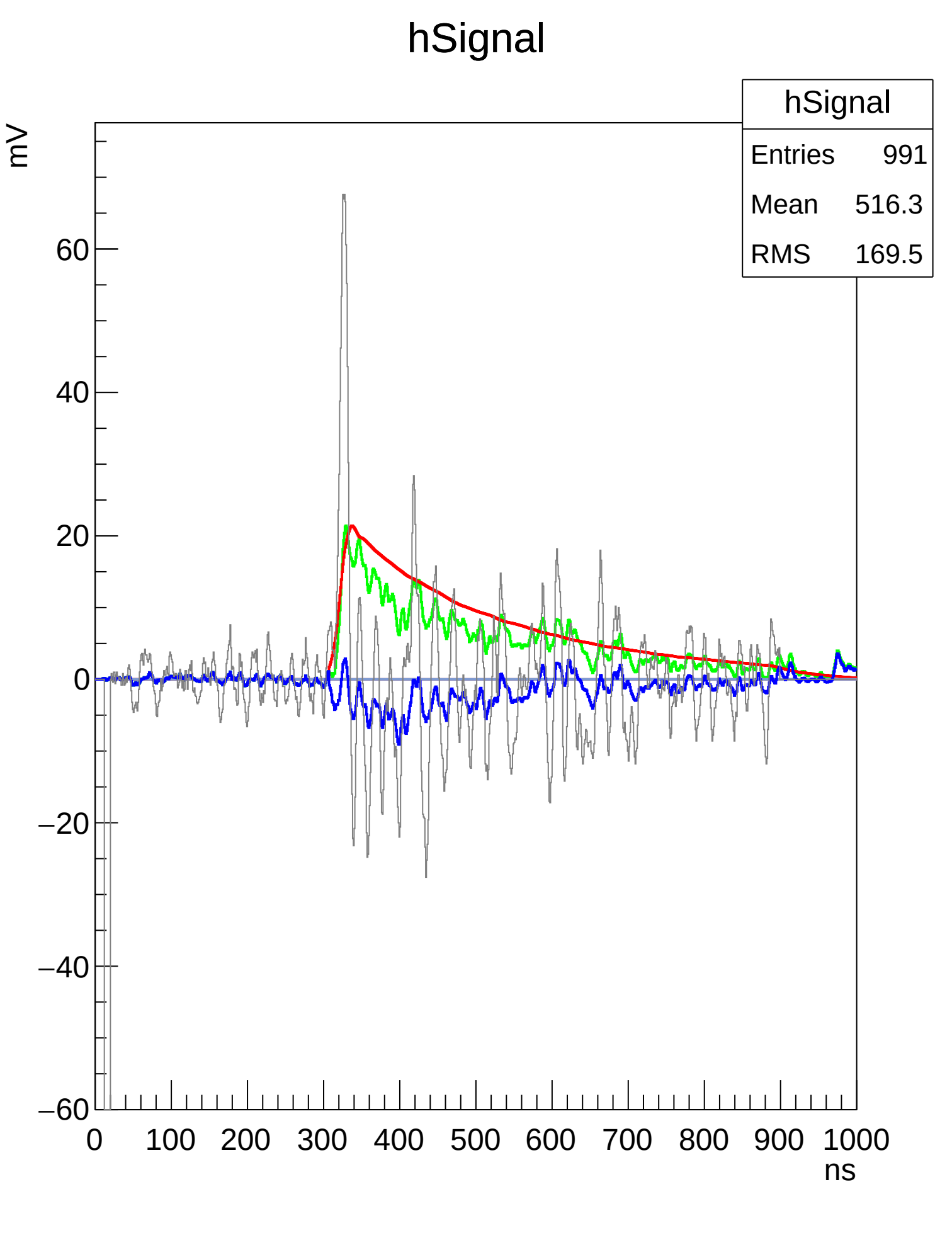
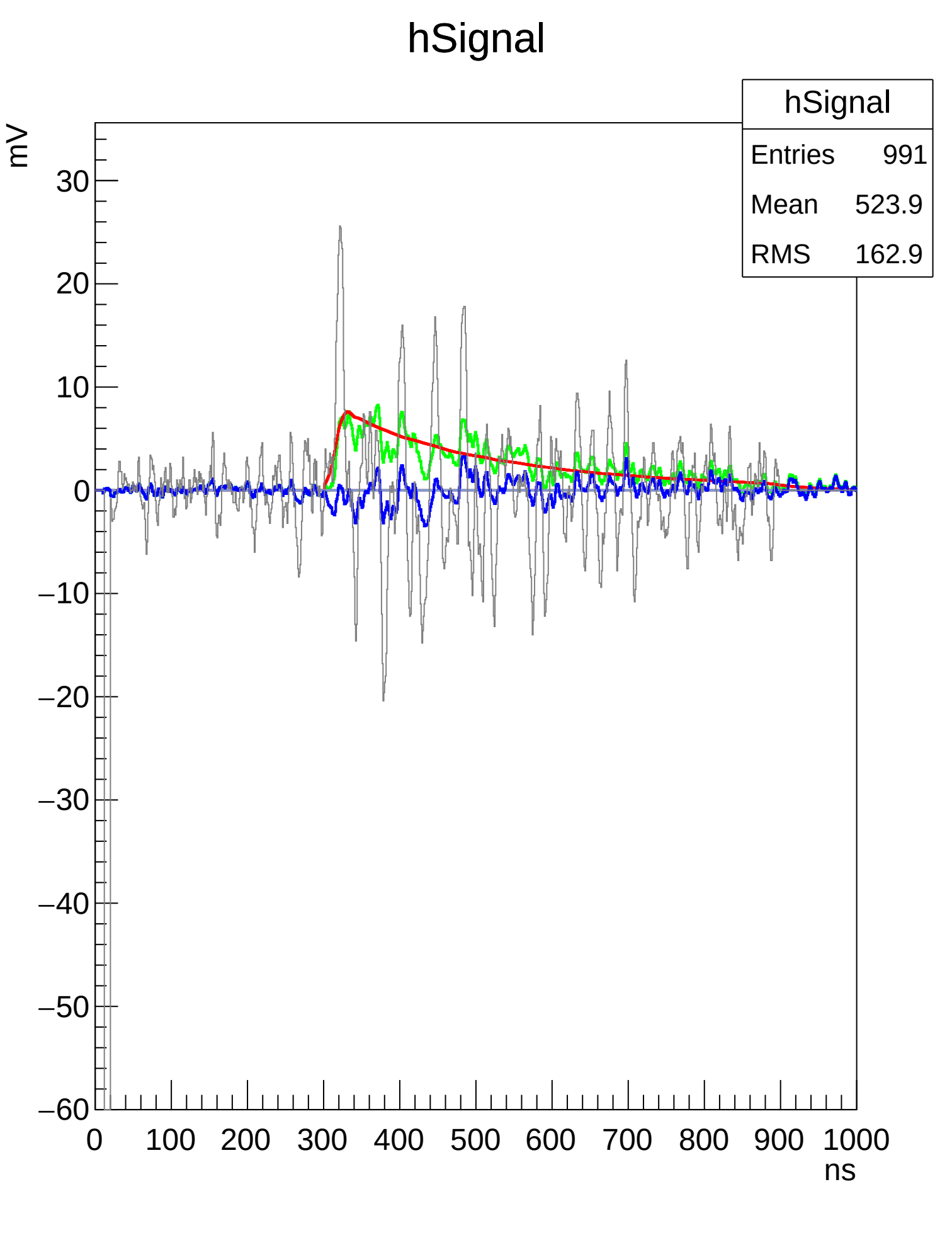
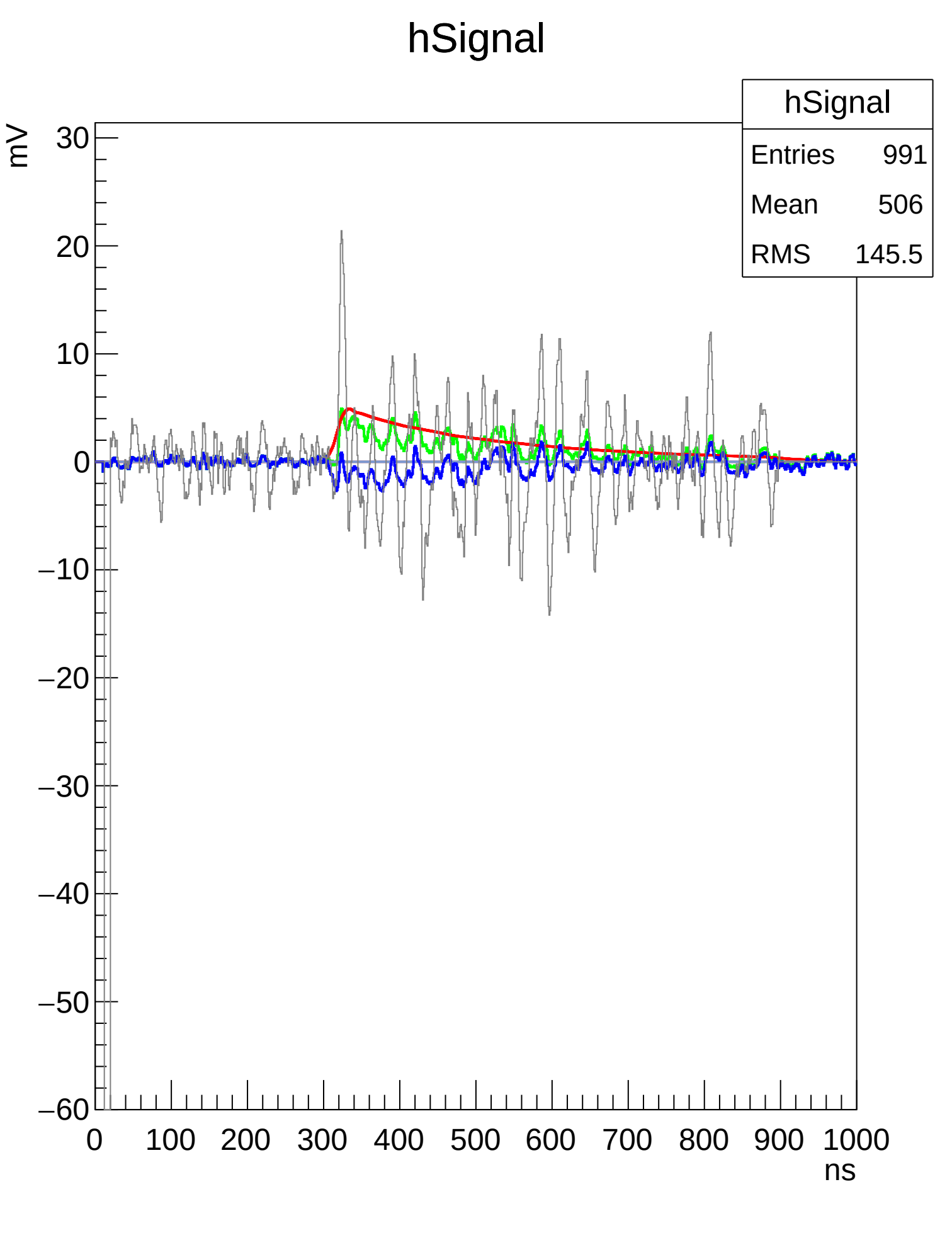
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.3
RMS 169.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.9
RMS 162.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506
RMS 145.5
mV
30
20
10
0
−10
−20
−30
−40
−50
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0
100
200
300
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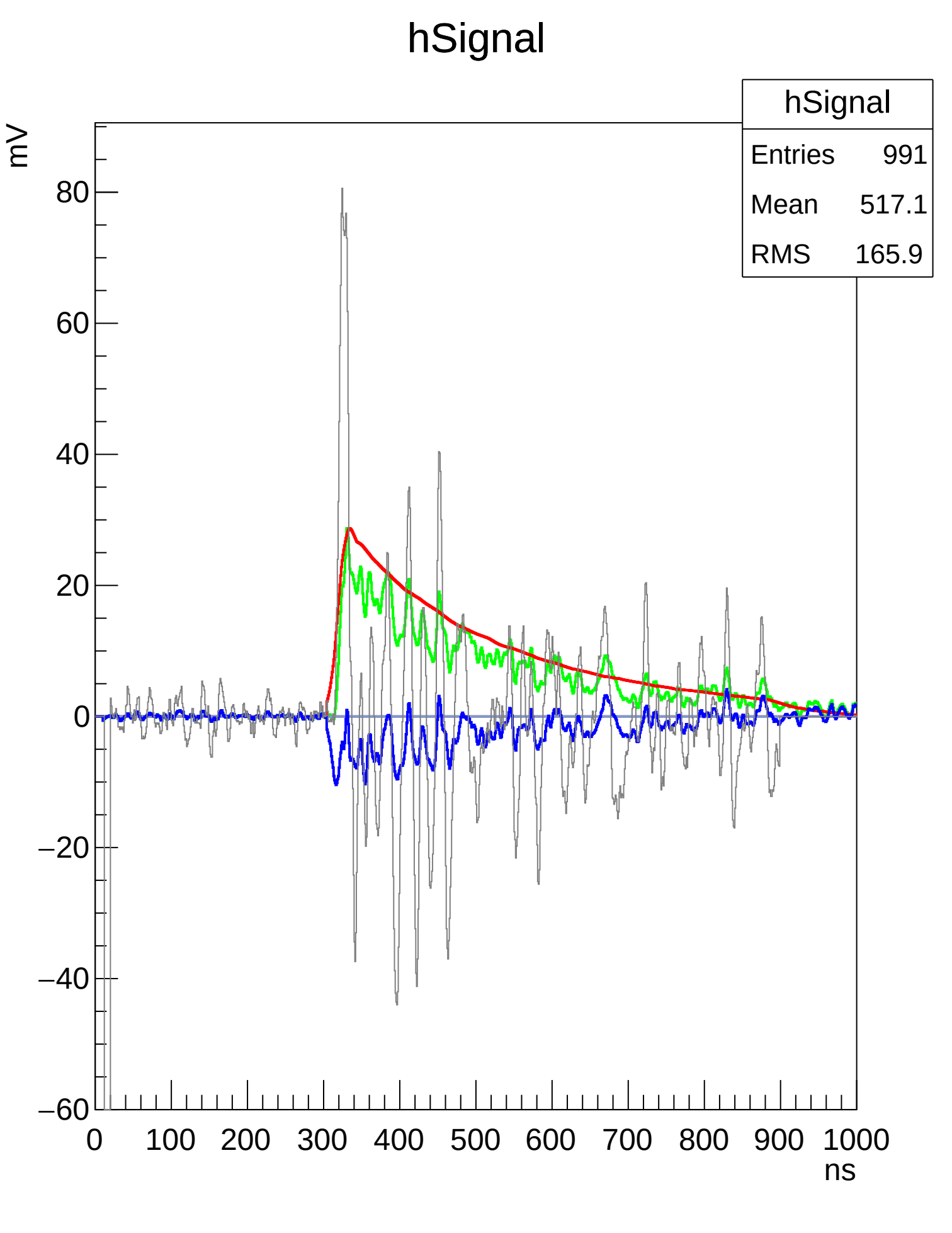
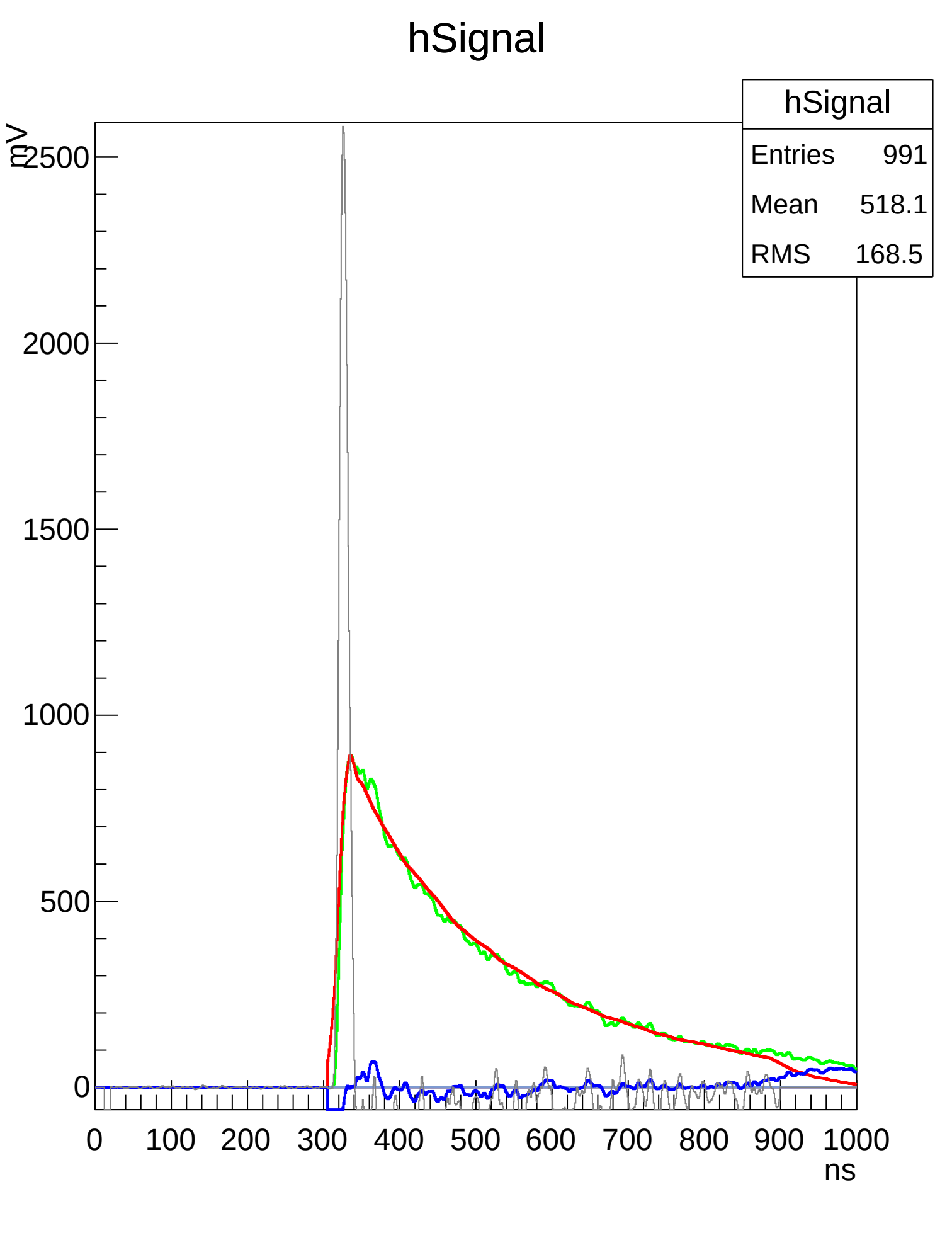
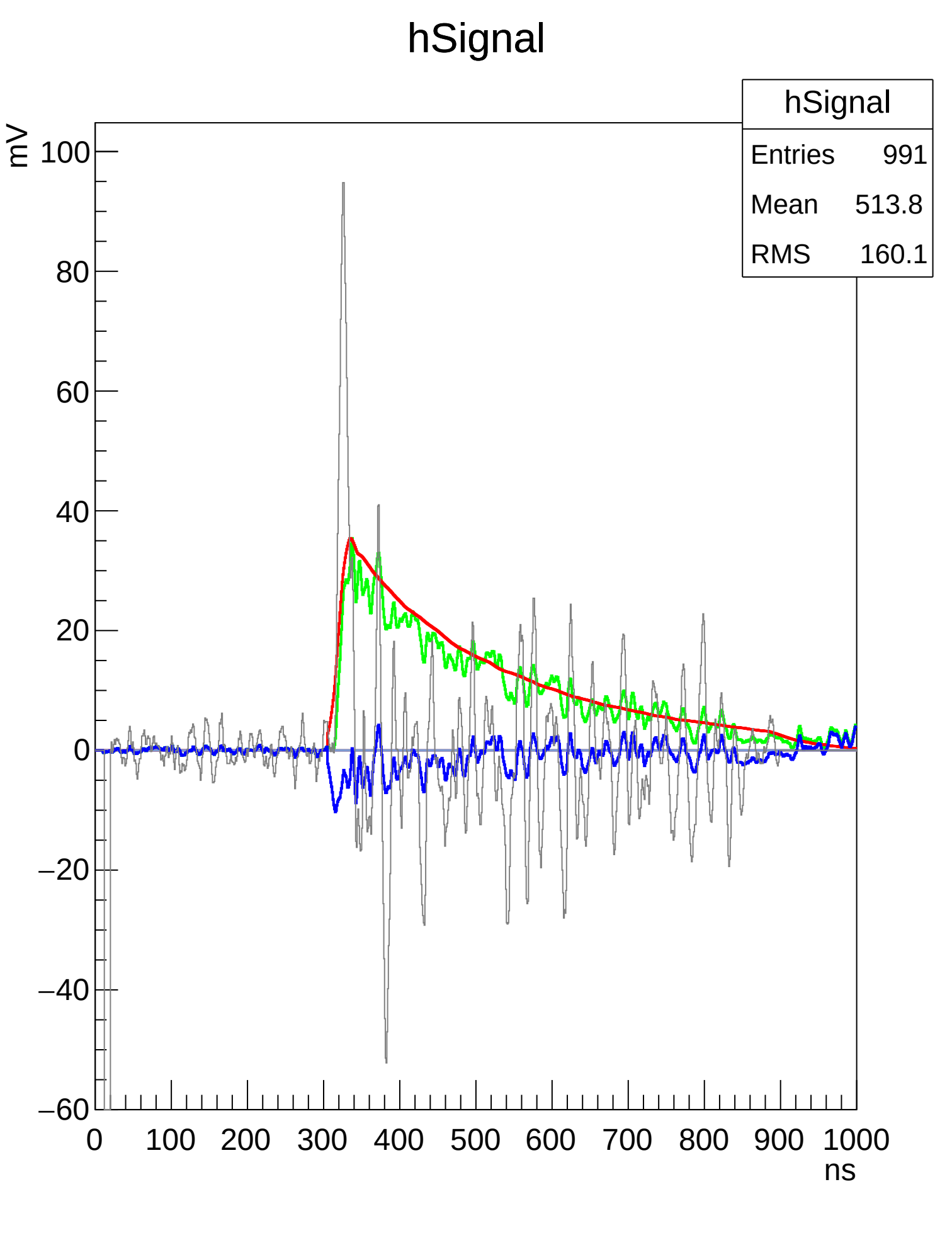
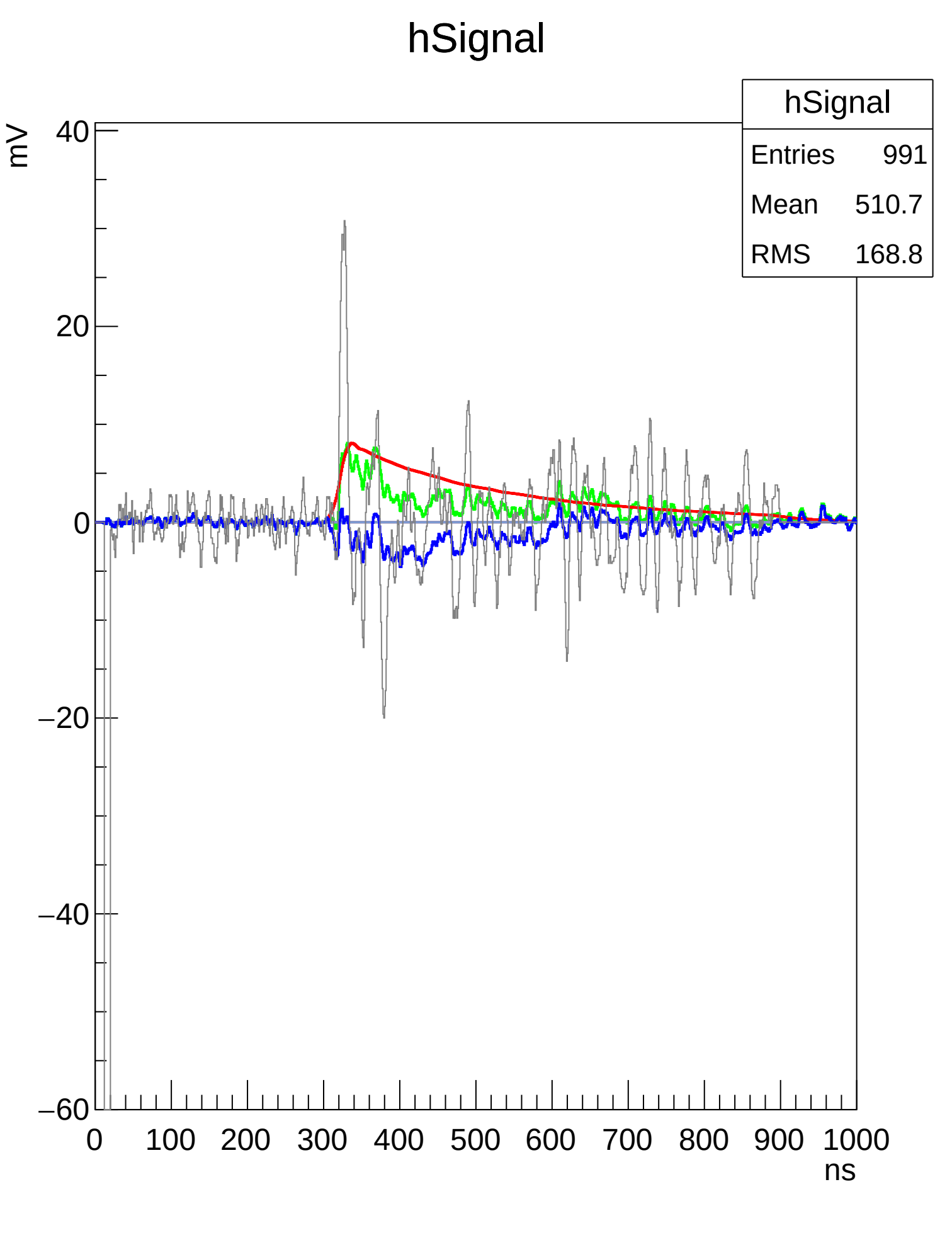
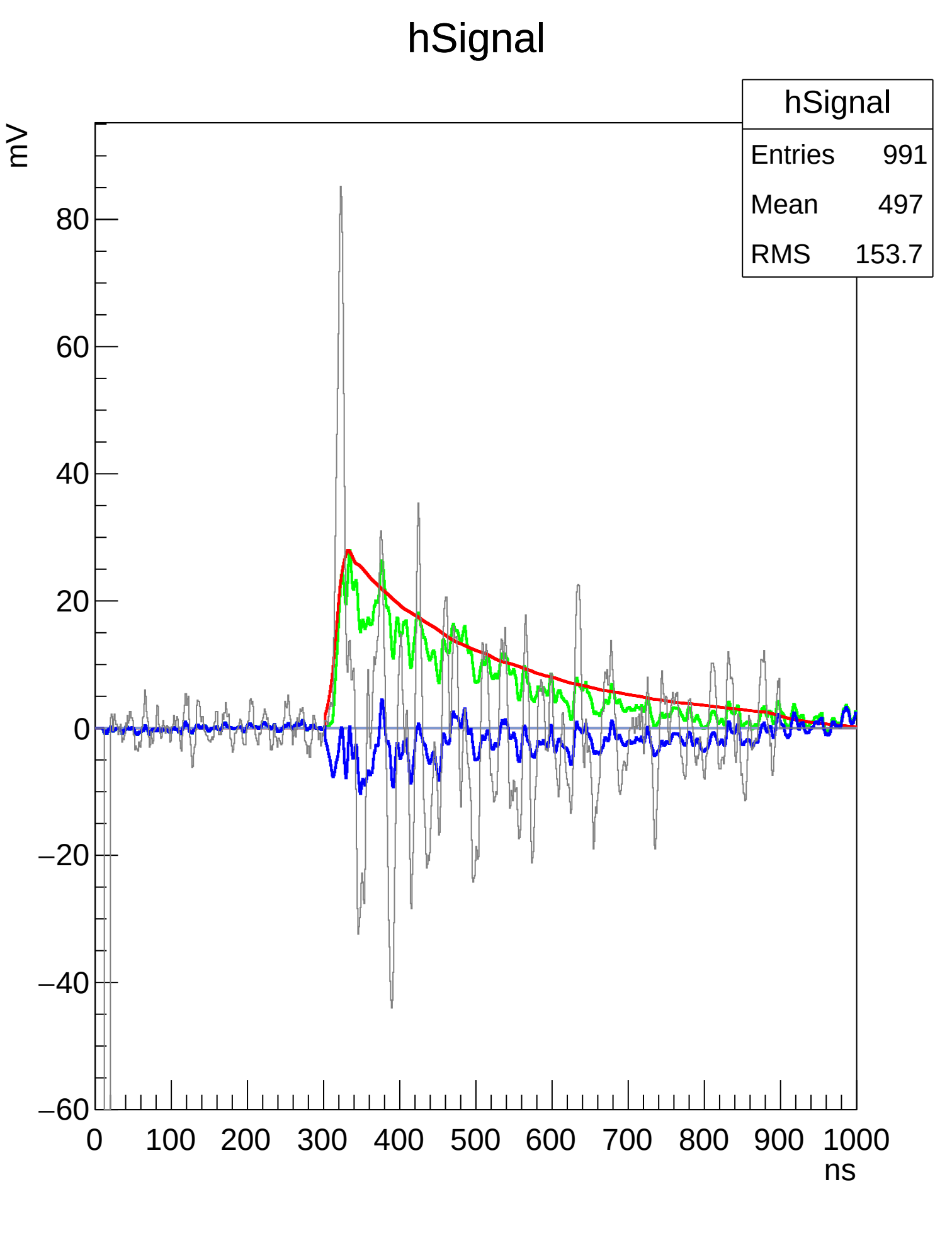
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.1
RMS 165.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.1
RMS 168.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.8
RMS 160.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.7
RMS 168.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497
RMS 153.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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800
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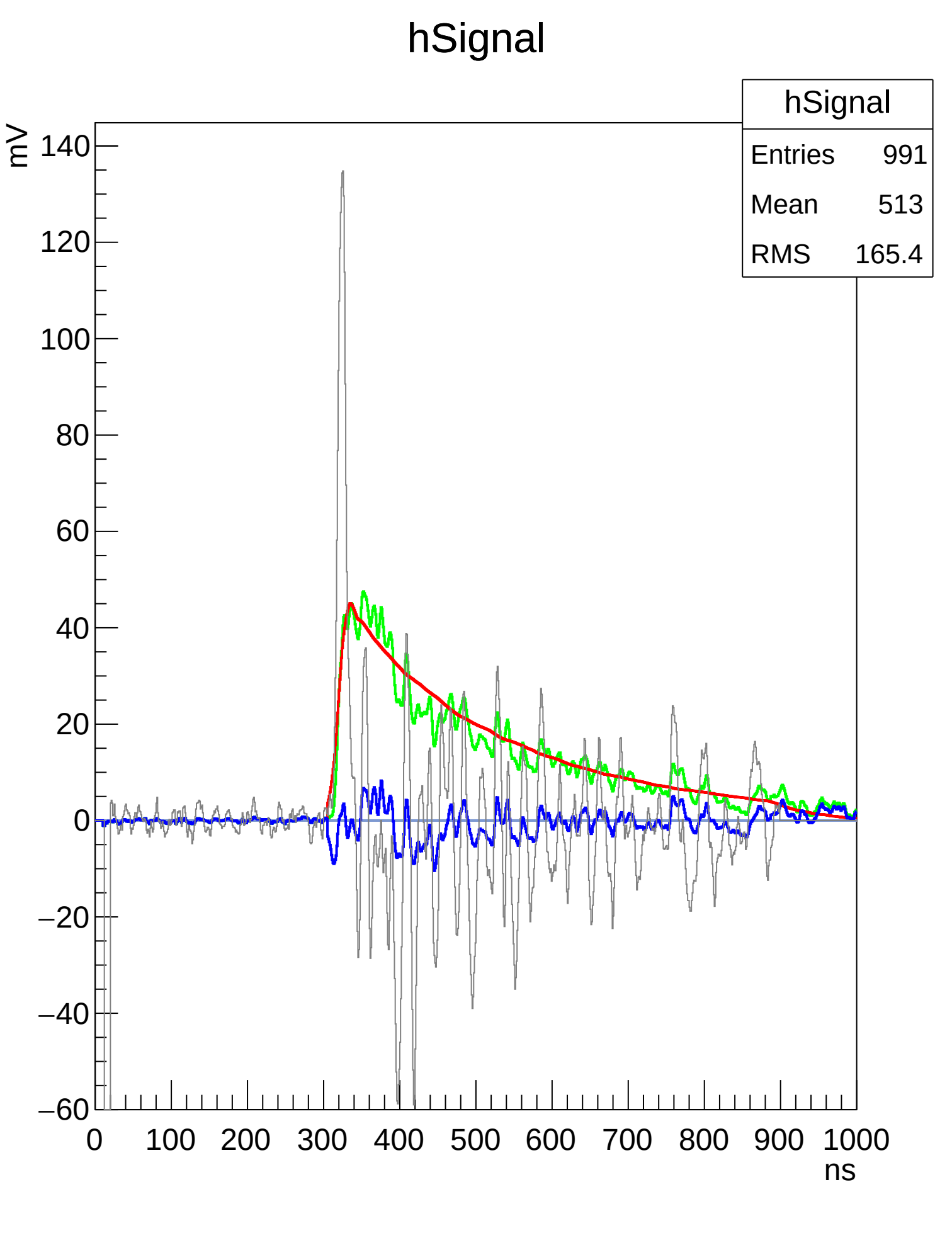
1000
ns


hSignal
hSignal
Entries 991
Mean 513
RMS 165.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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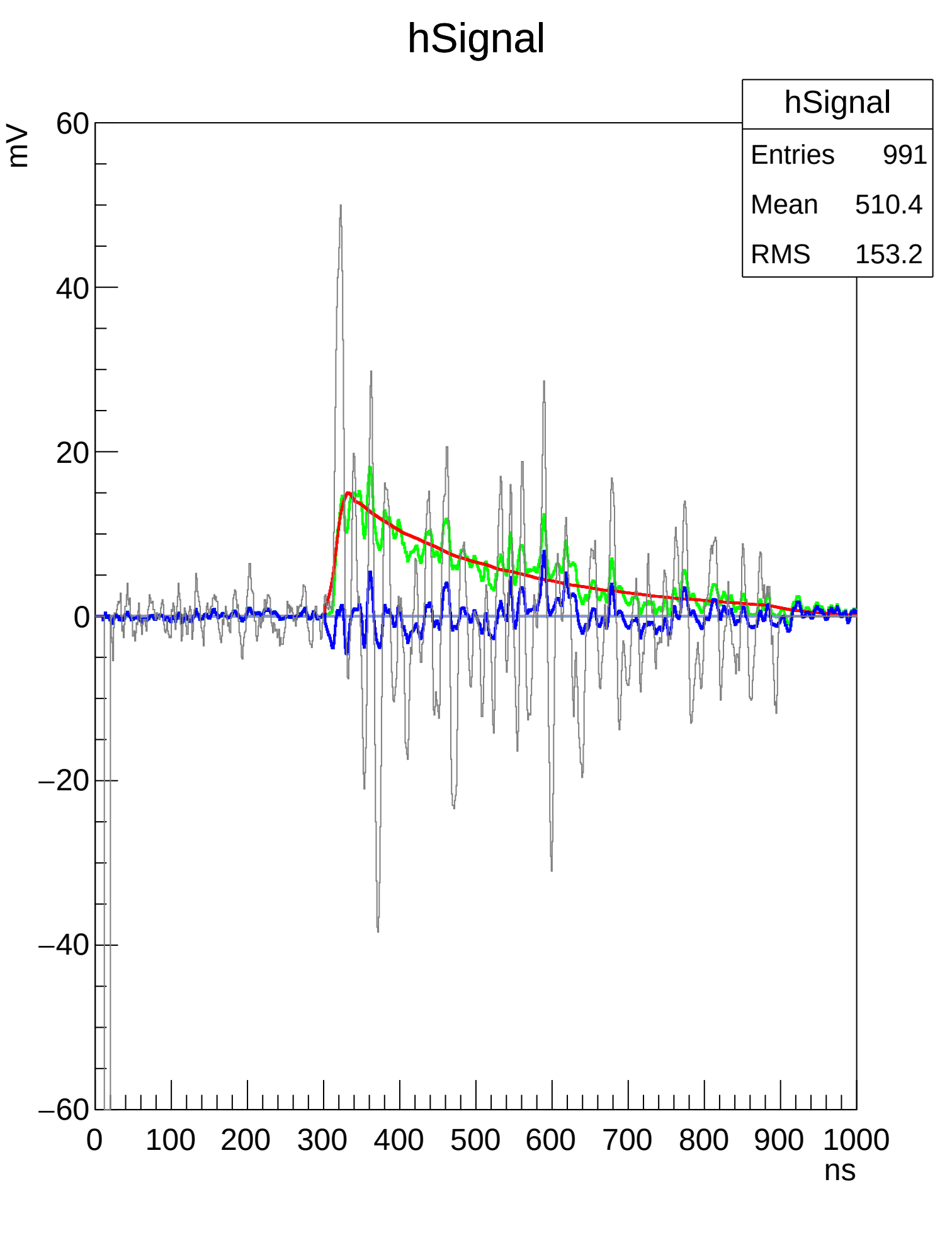
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.4
RMS 153.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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800
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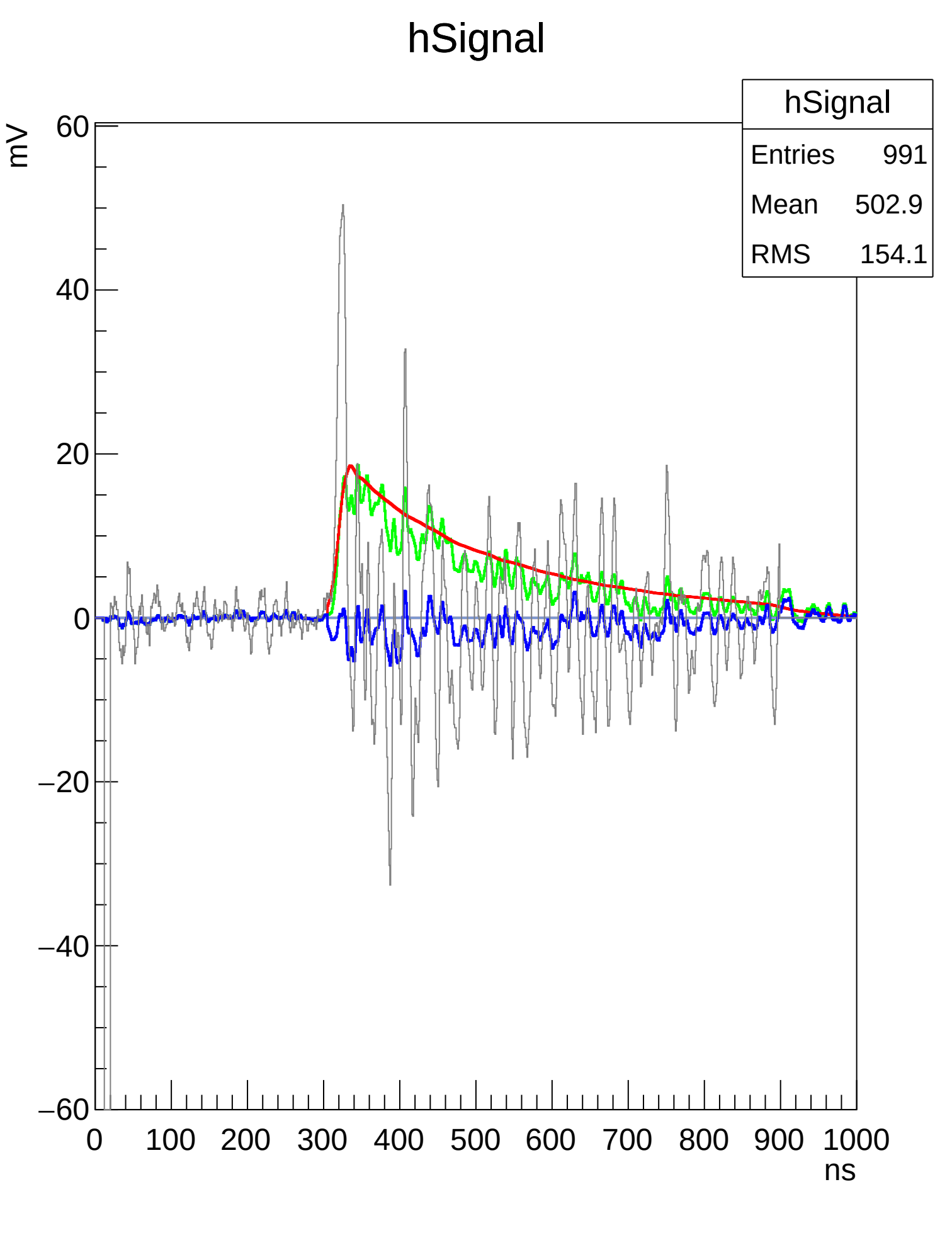
1000
ns


hSignal
hSignal
Entries 991
Mean 502.9
RMS 154.1
mV
60
40
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0
−20
−40
−60
0
100
200
300
400
500
600
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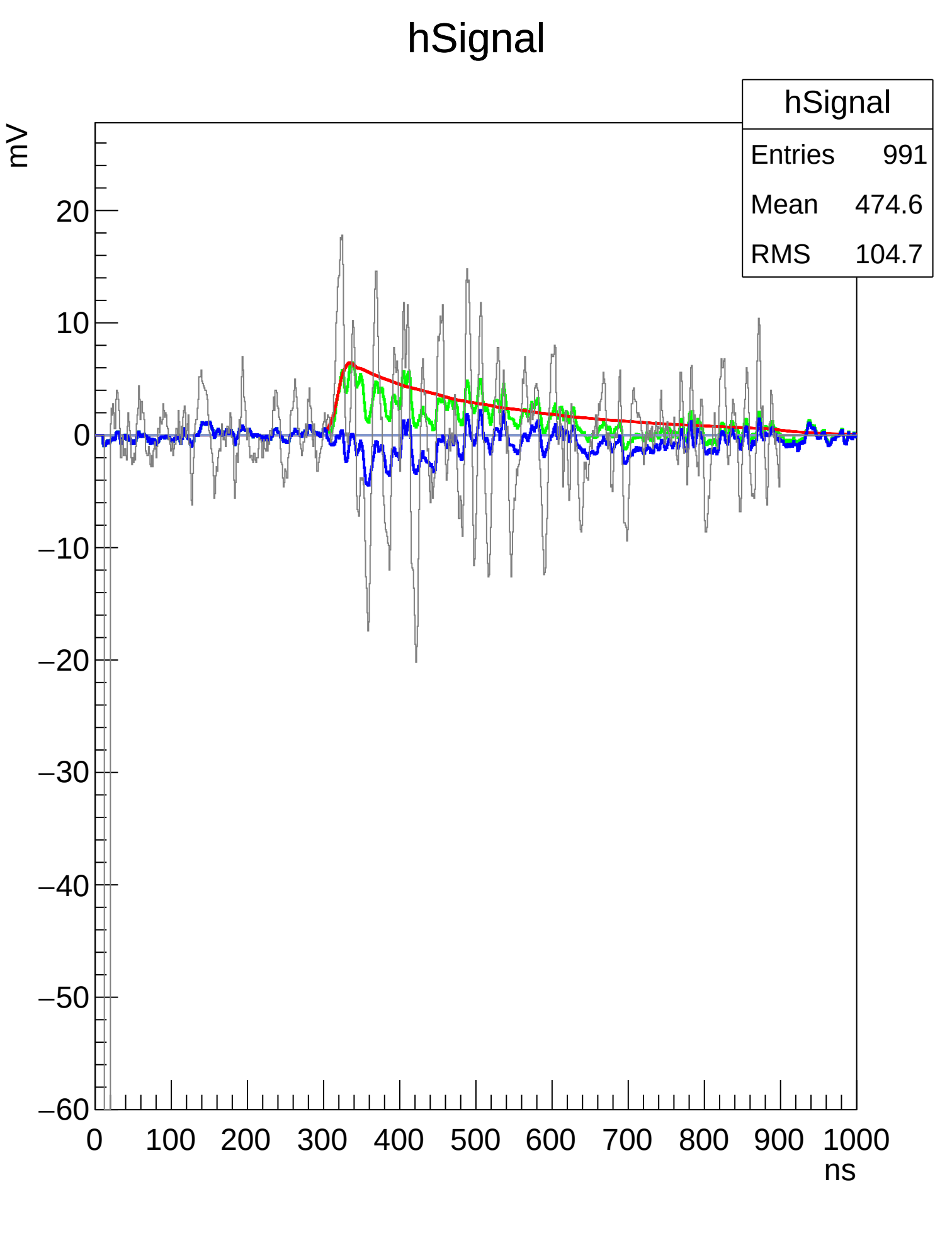
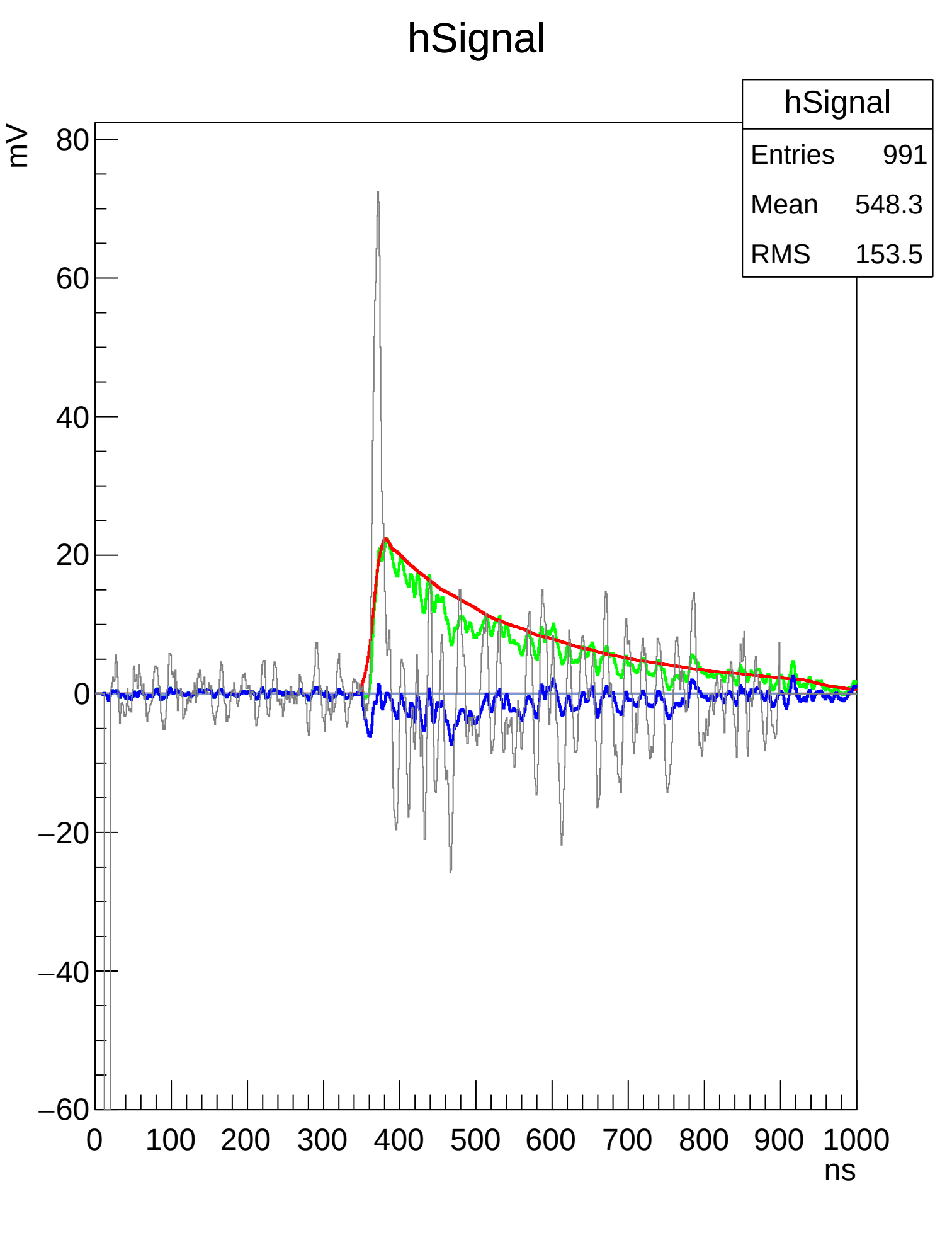
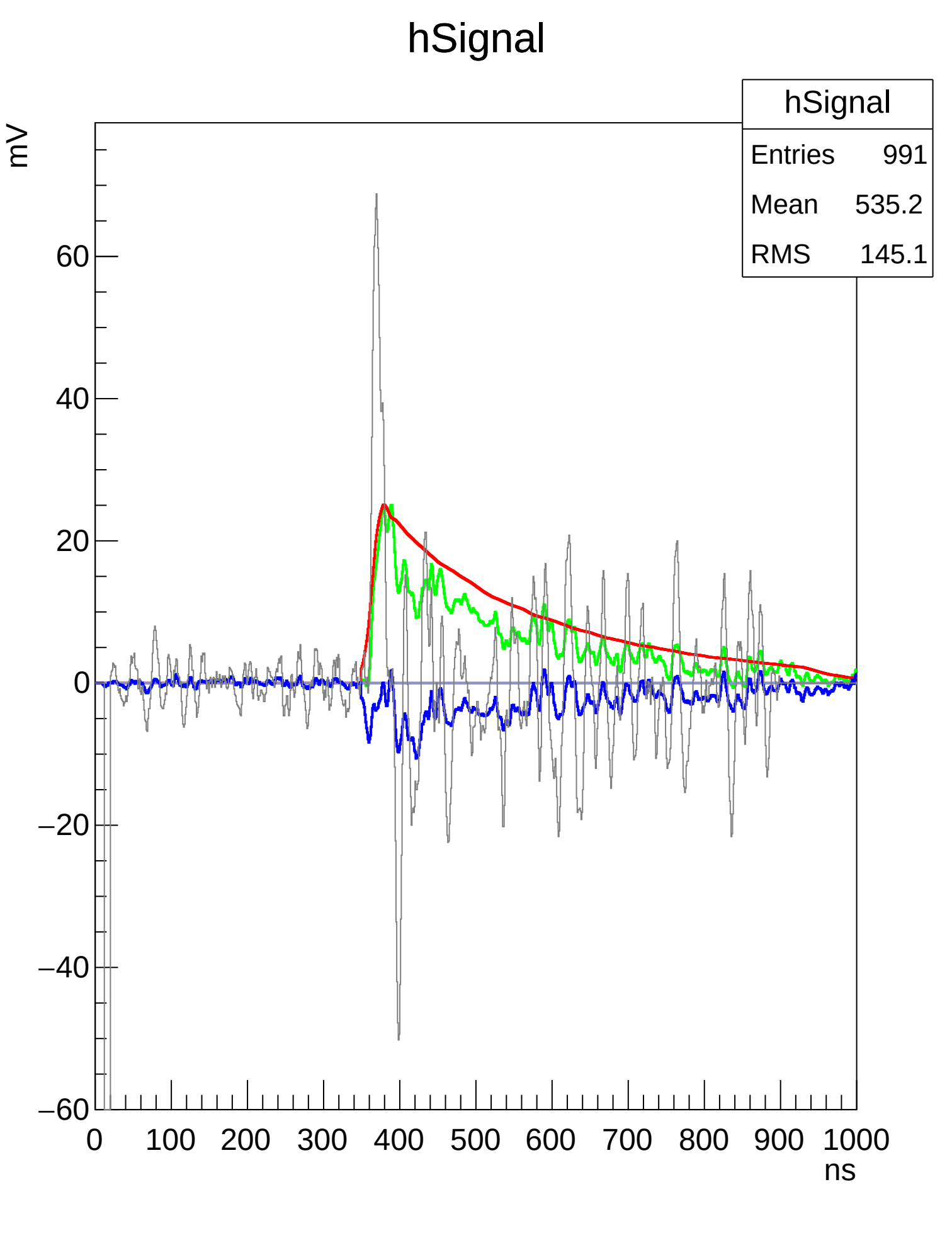
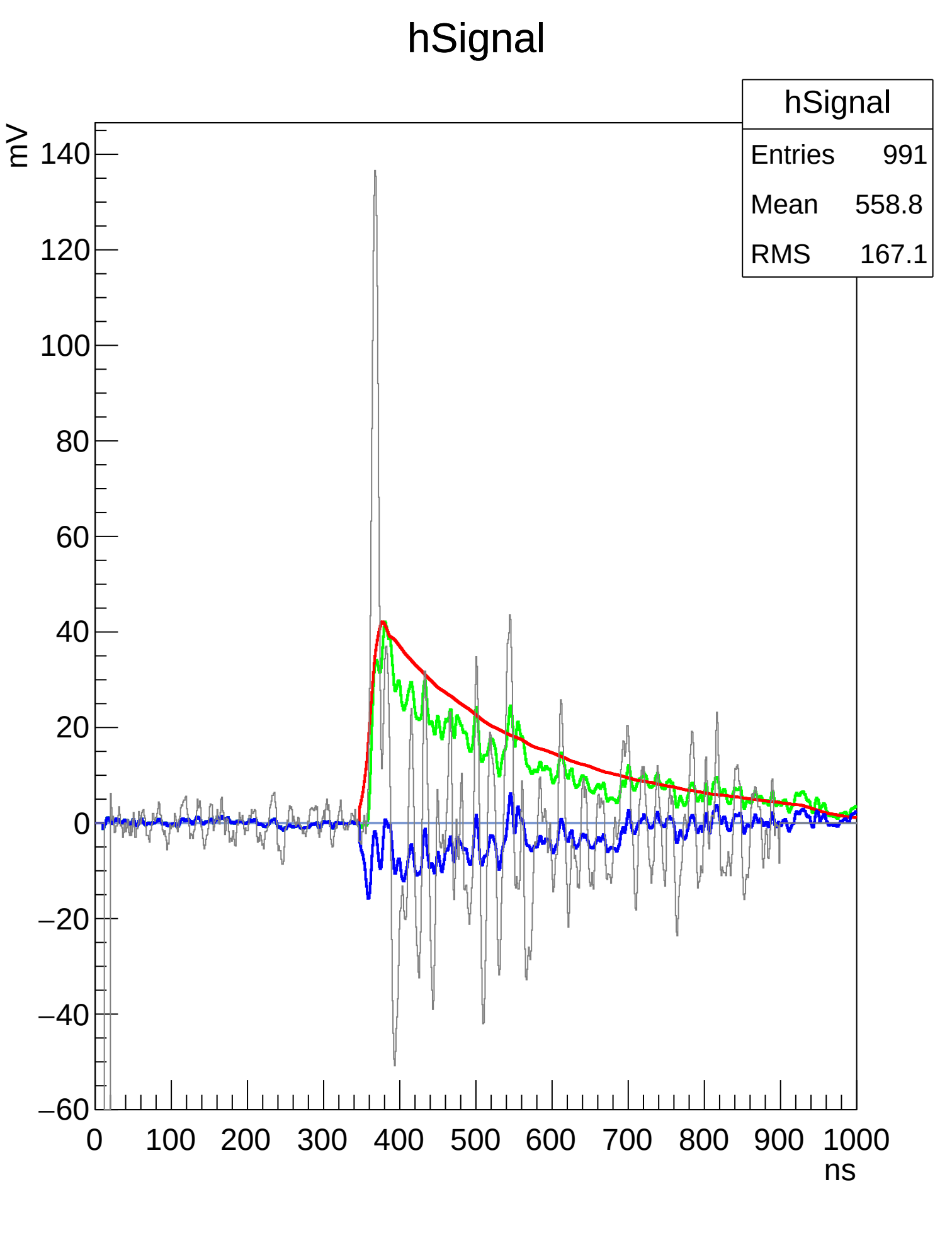
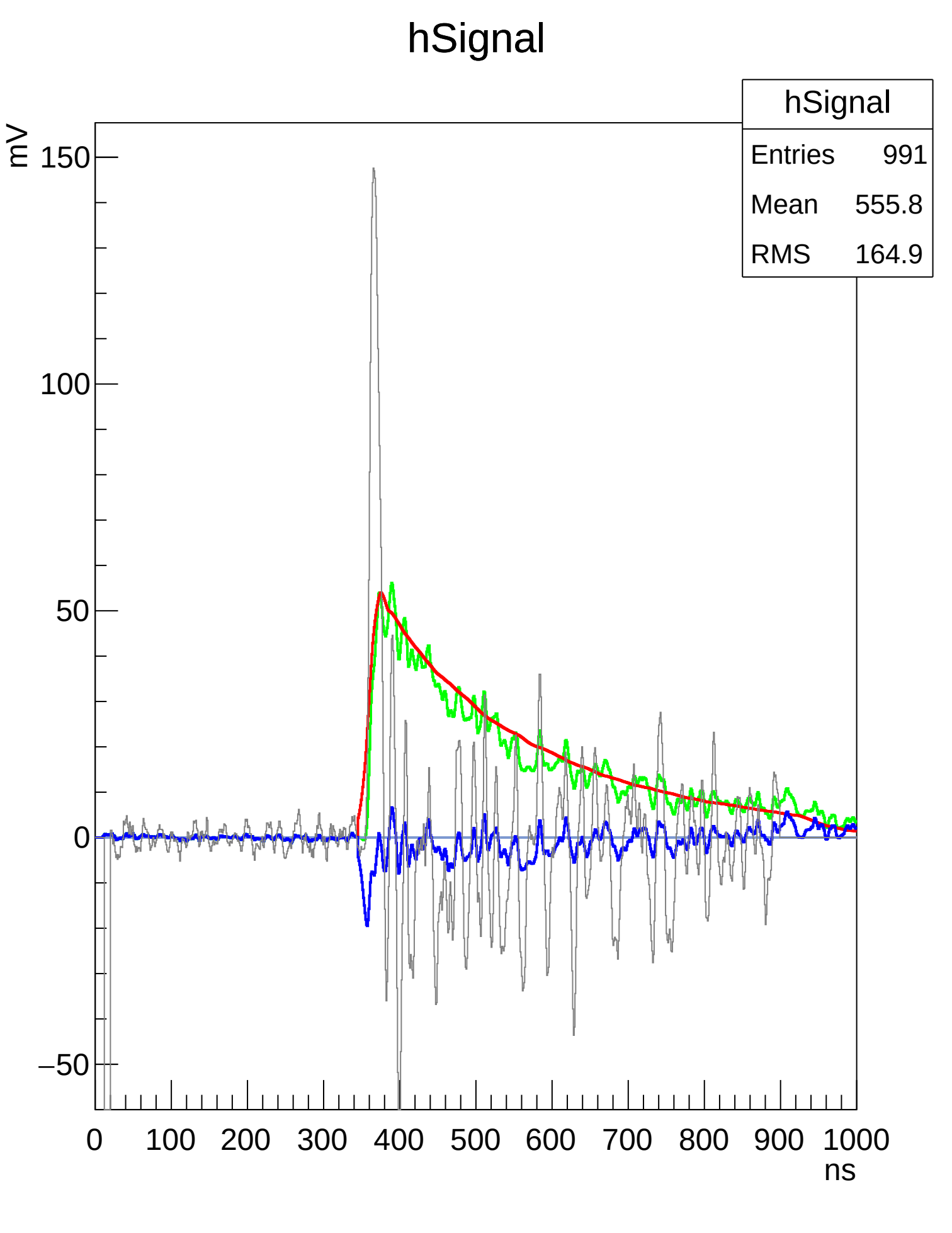
800
900
1000
ns

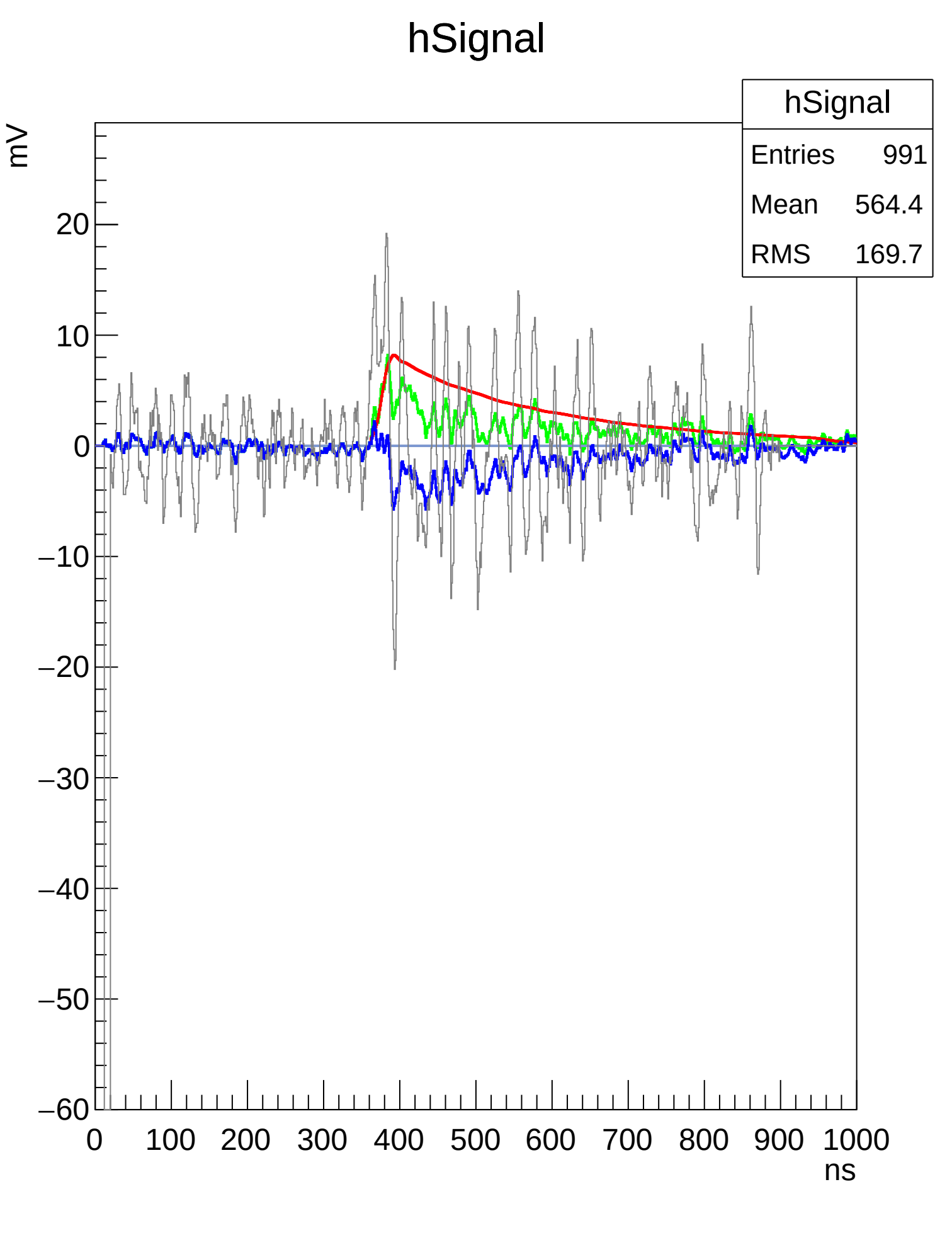

hSignal
hSignal
Entries 991
Mean 474.6
RMS 104.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

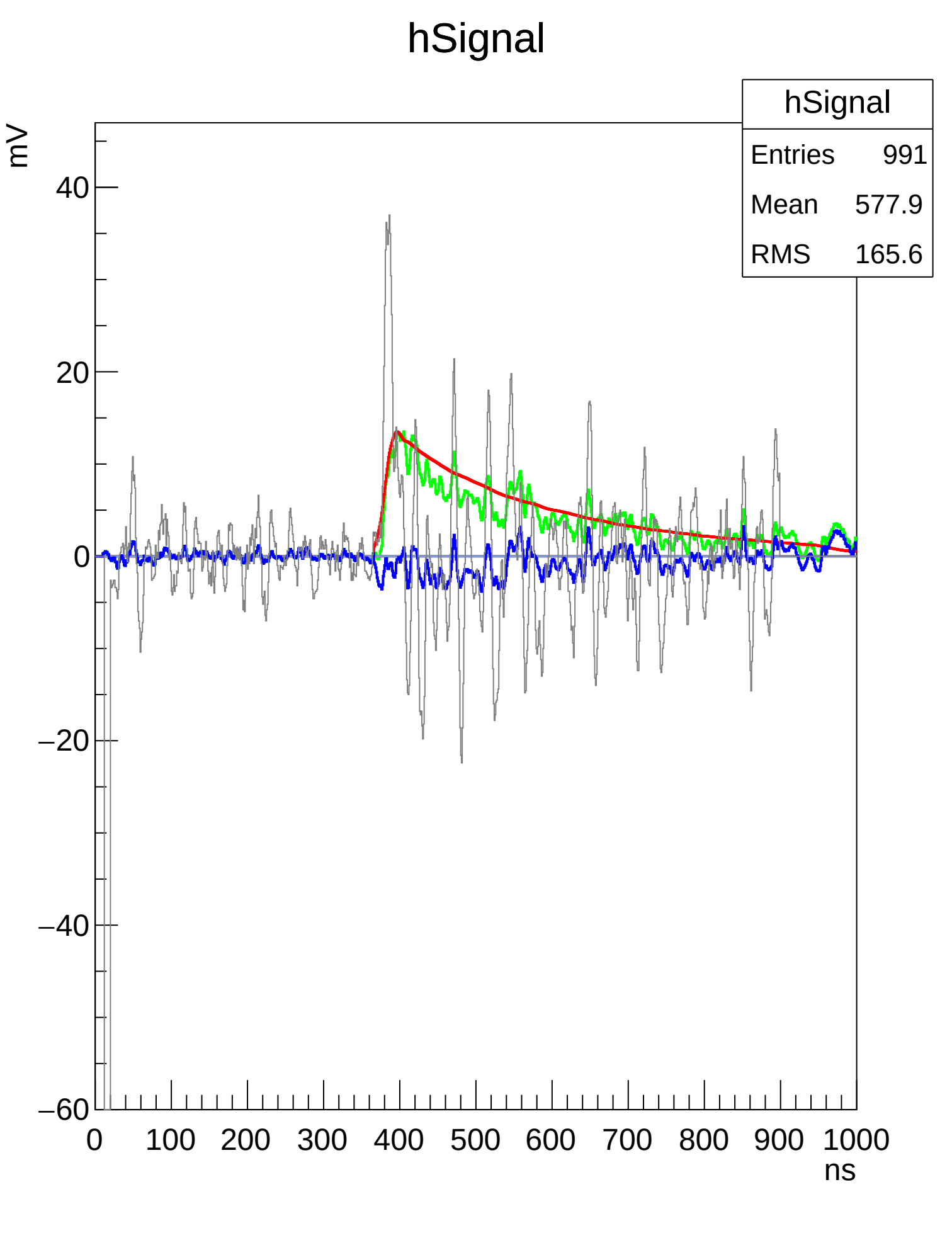

hSignal
hSignal
Entries 991
Mean 548.3
RMS 153.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.2
RMS 145.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.8
RMS 167.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.8
RMS 164.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.4
RMS 169.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.9
RMS 165.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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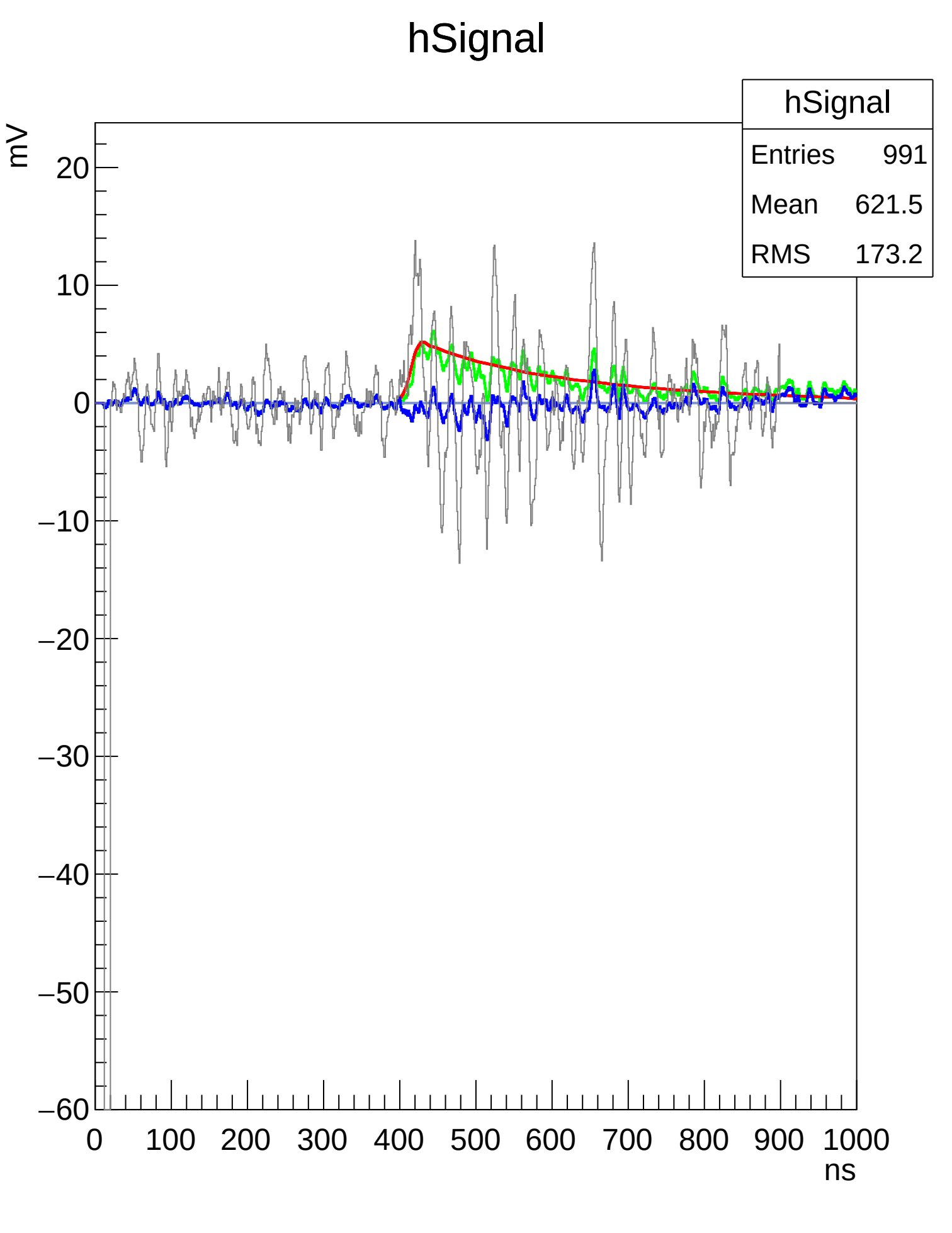
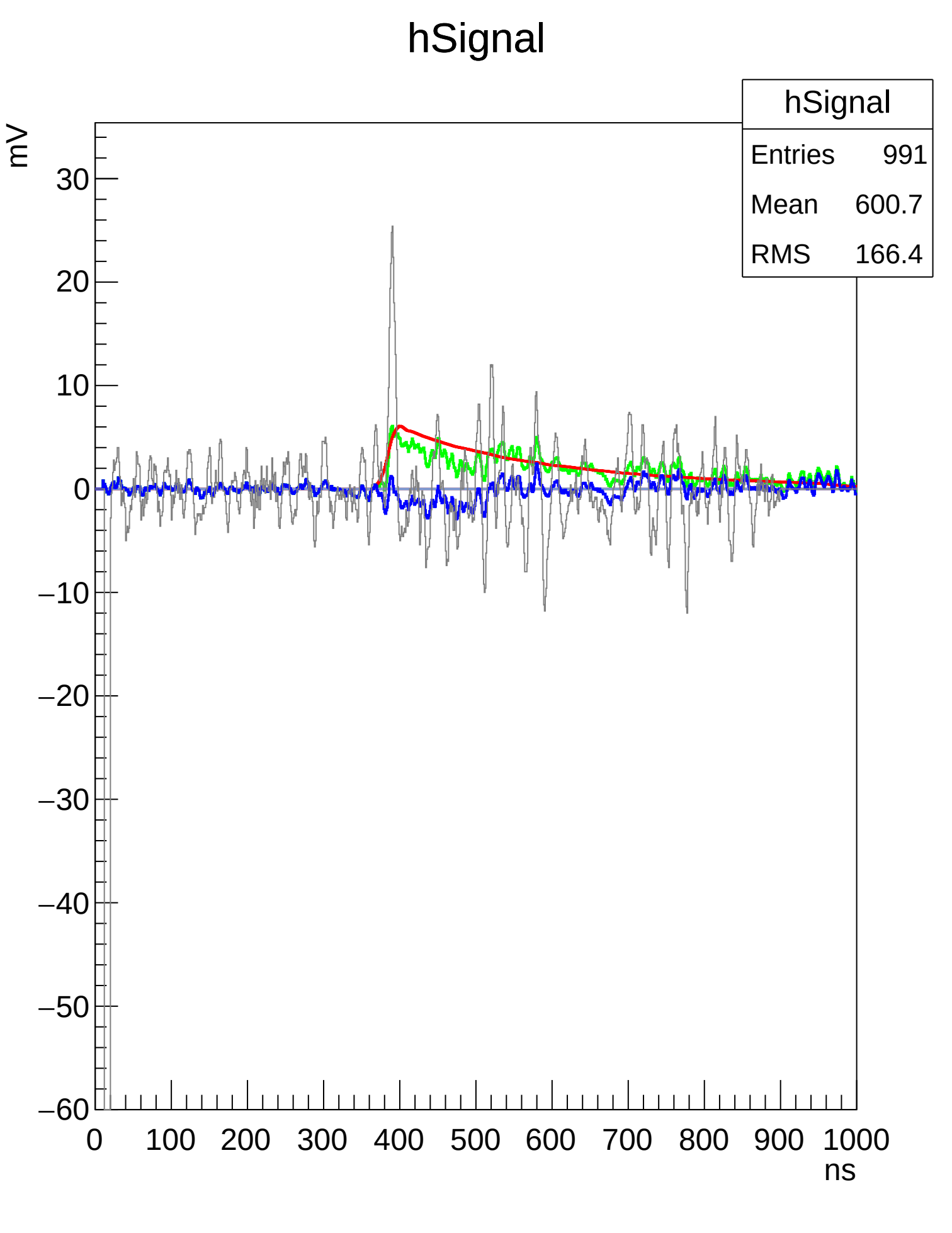
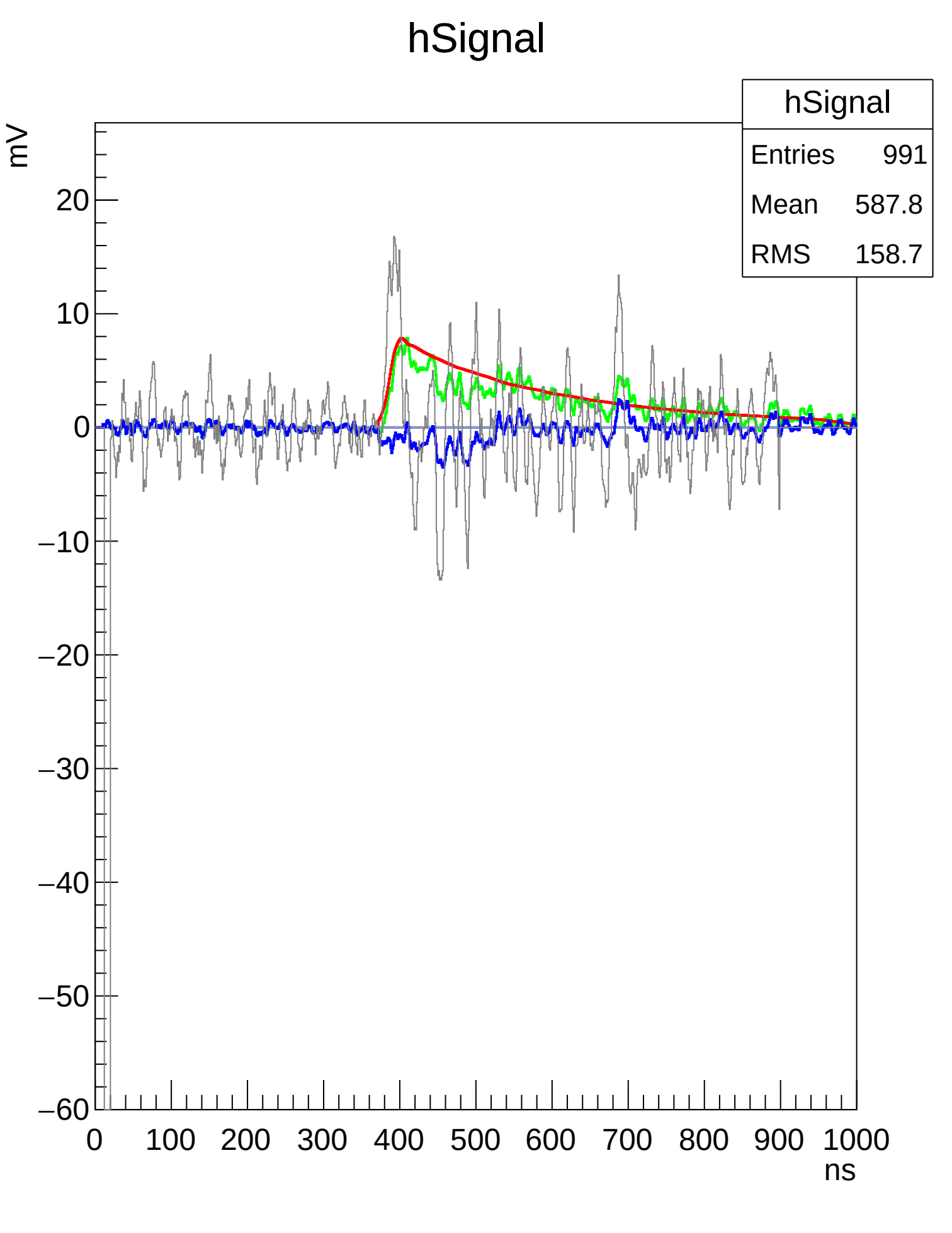
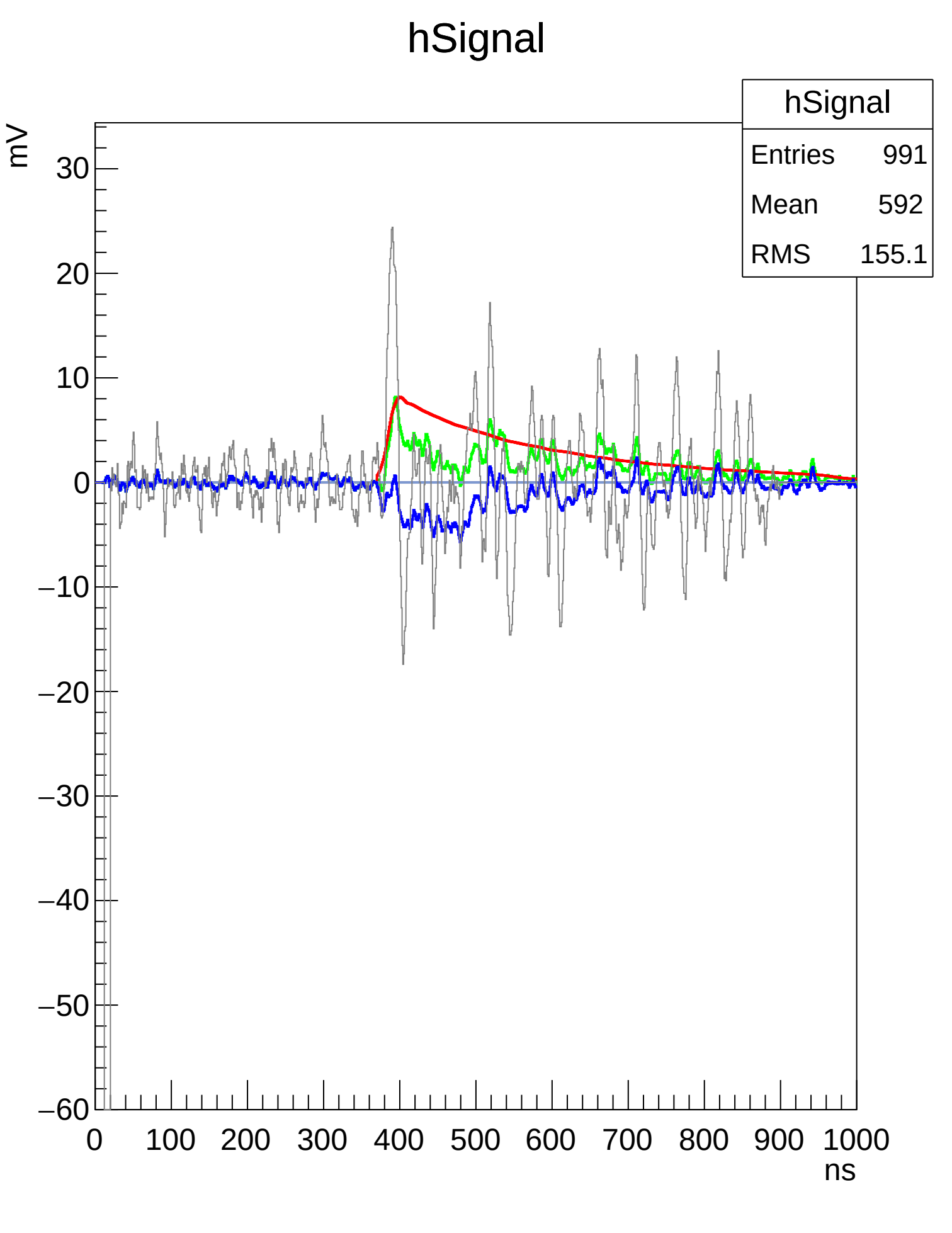
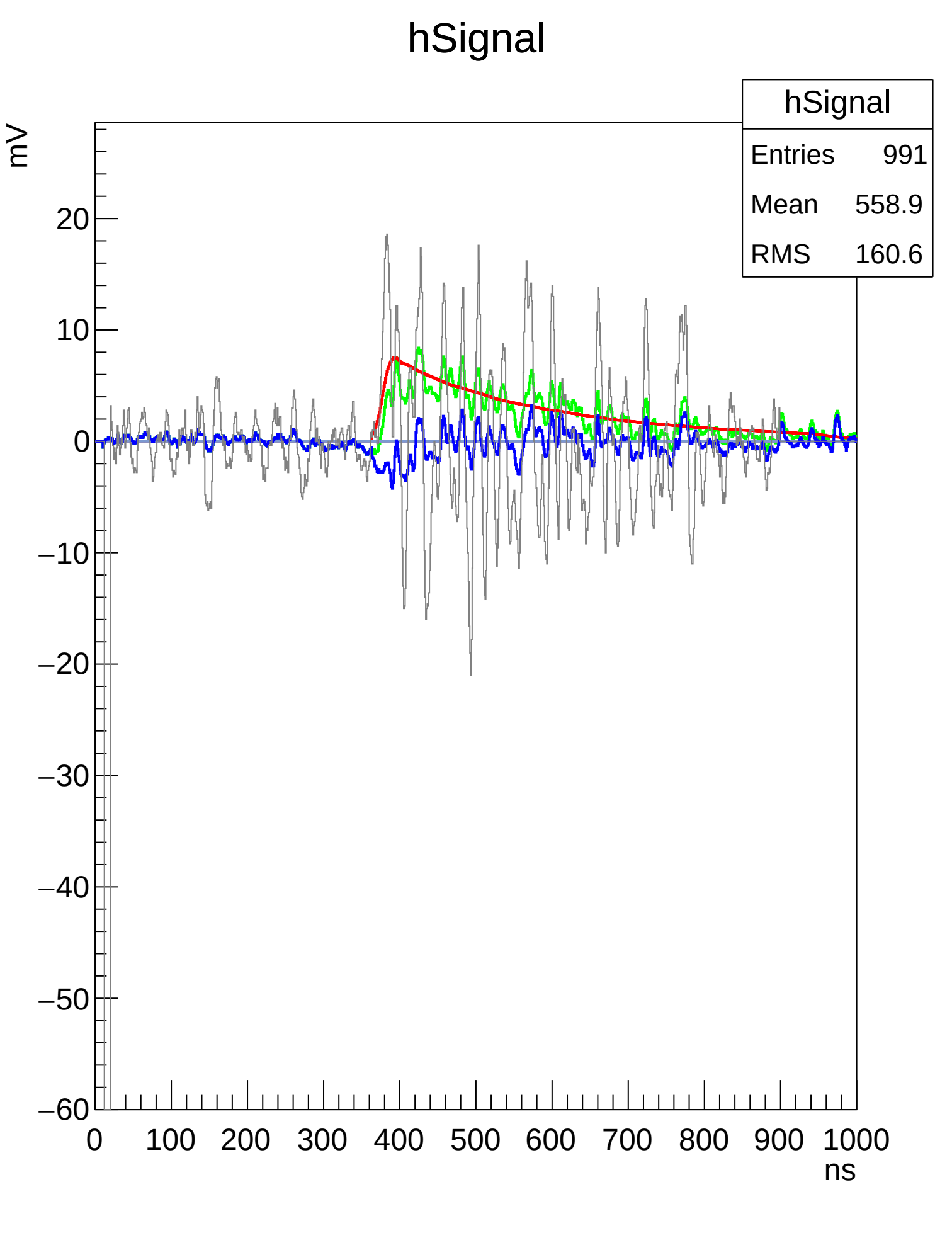
600
700
800
900
1000
ns

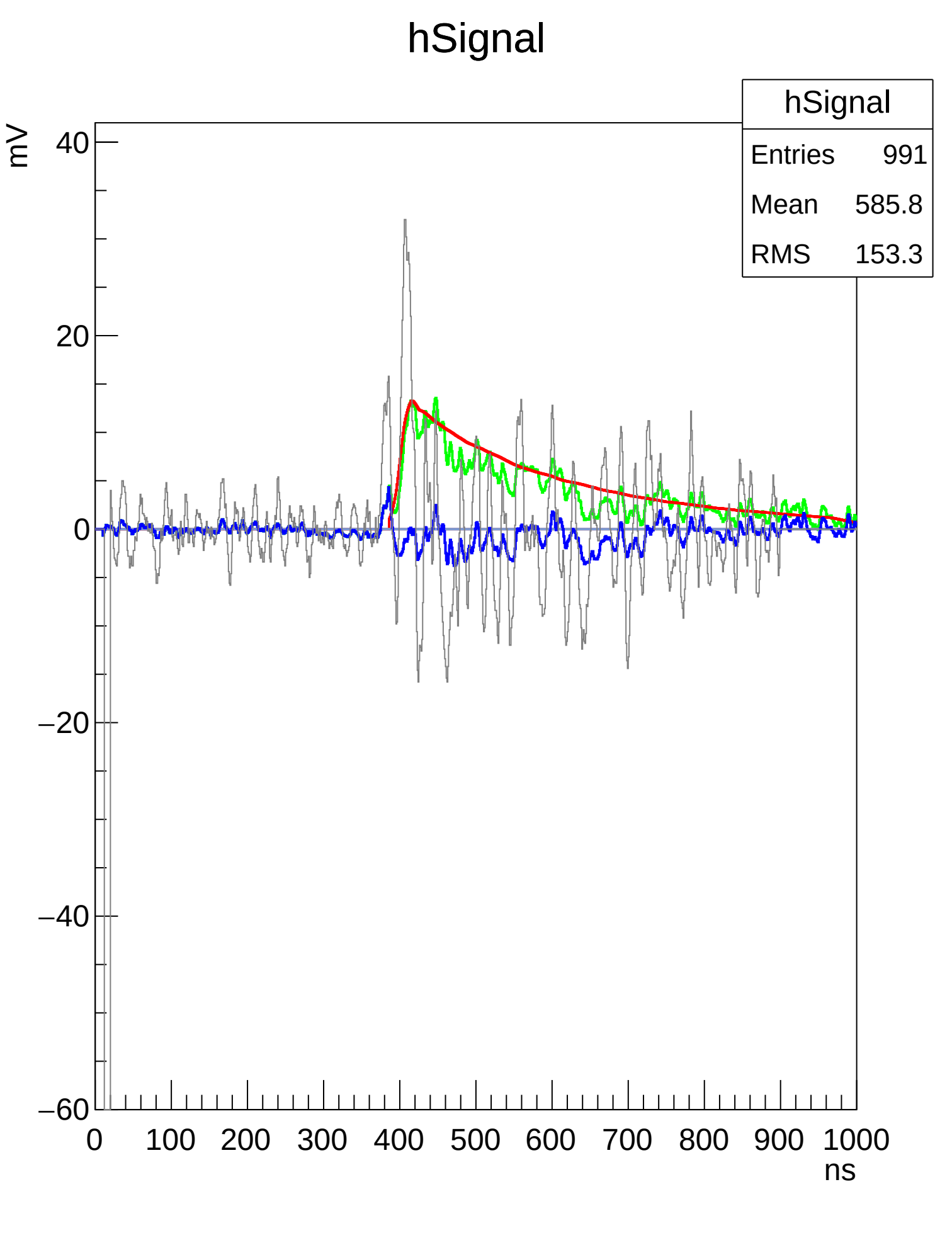

hSignal
hSignal
Entries 991
Mean 621.5
RMS 173.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 166.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 158.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592
RMS 155.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.9
RMS 160.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.8
RMS 153.3
mV
40
20
0
−20
−40
−60
0
100
200
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400
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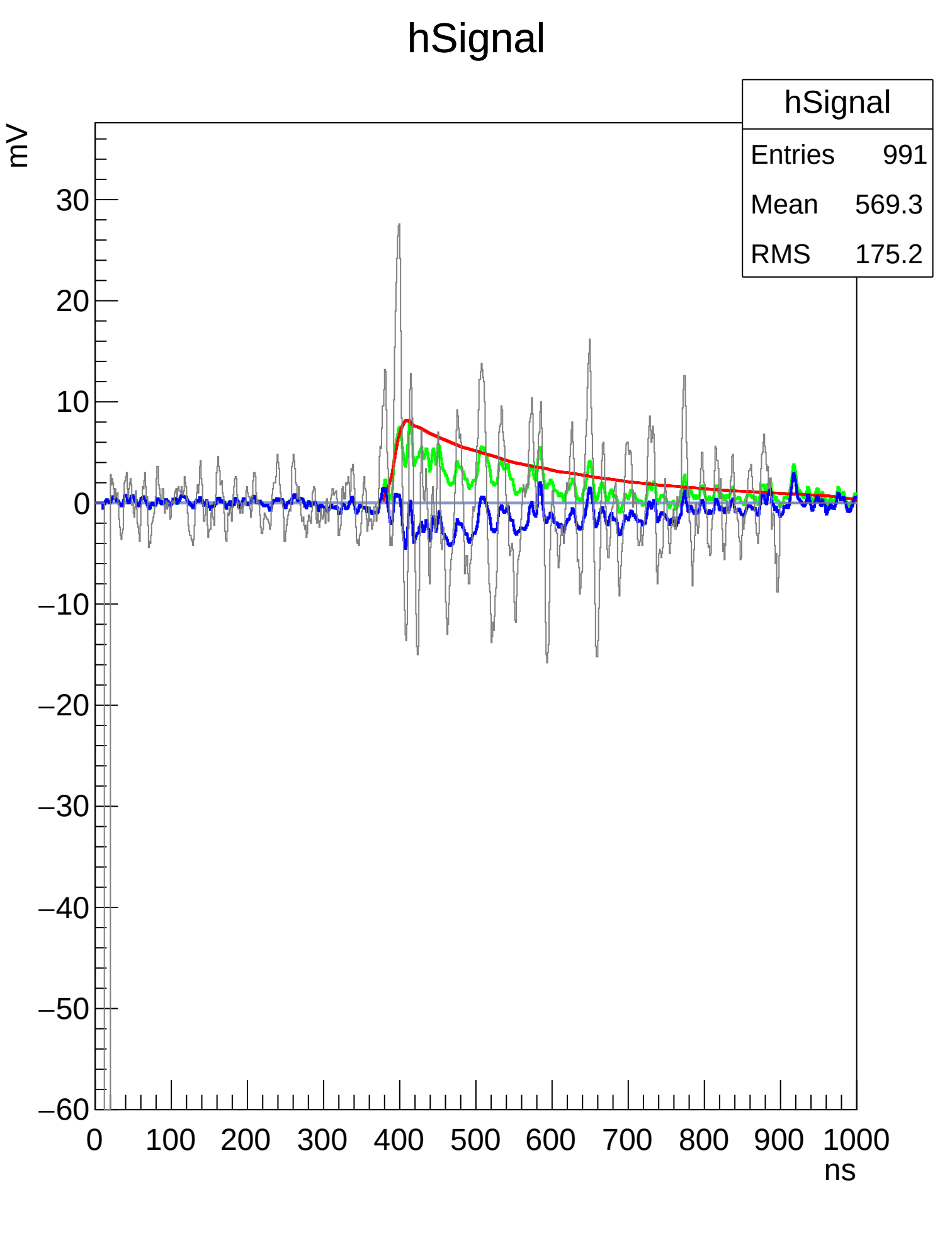
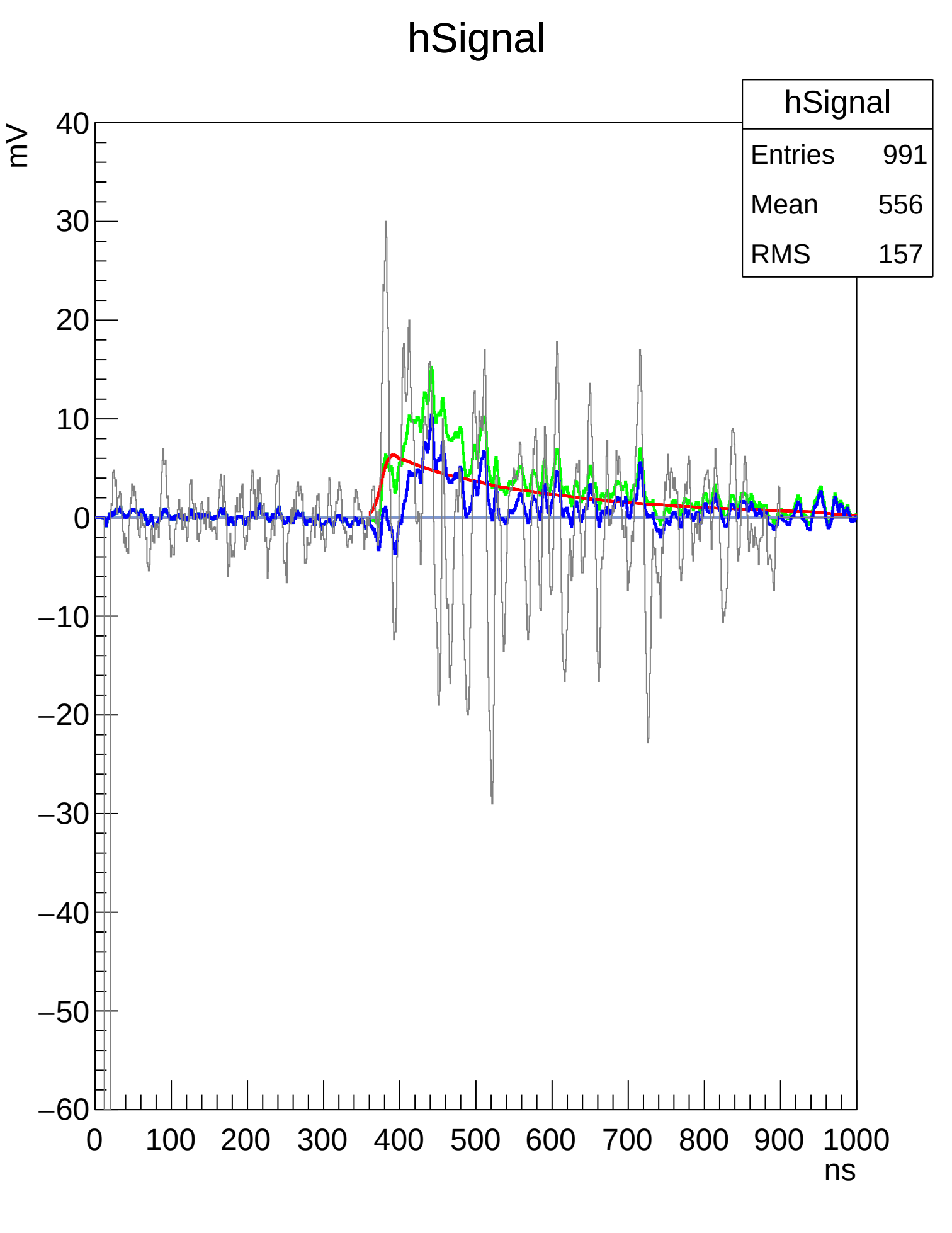
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.3
RMS 175.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556
RMS 157
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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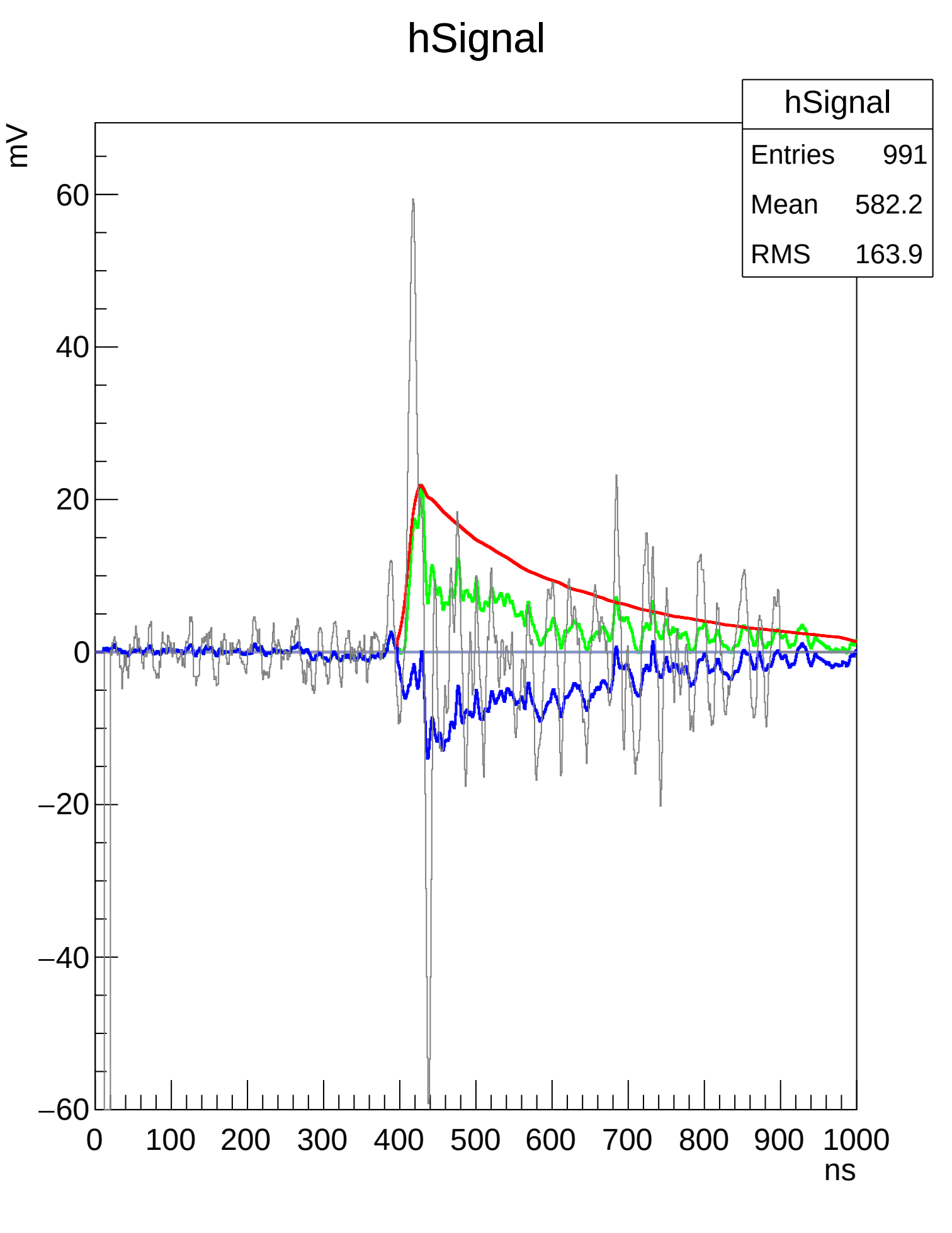
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.2
RMS 163.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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800
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1000
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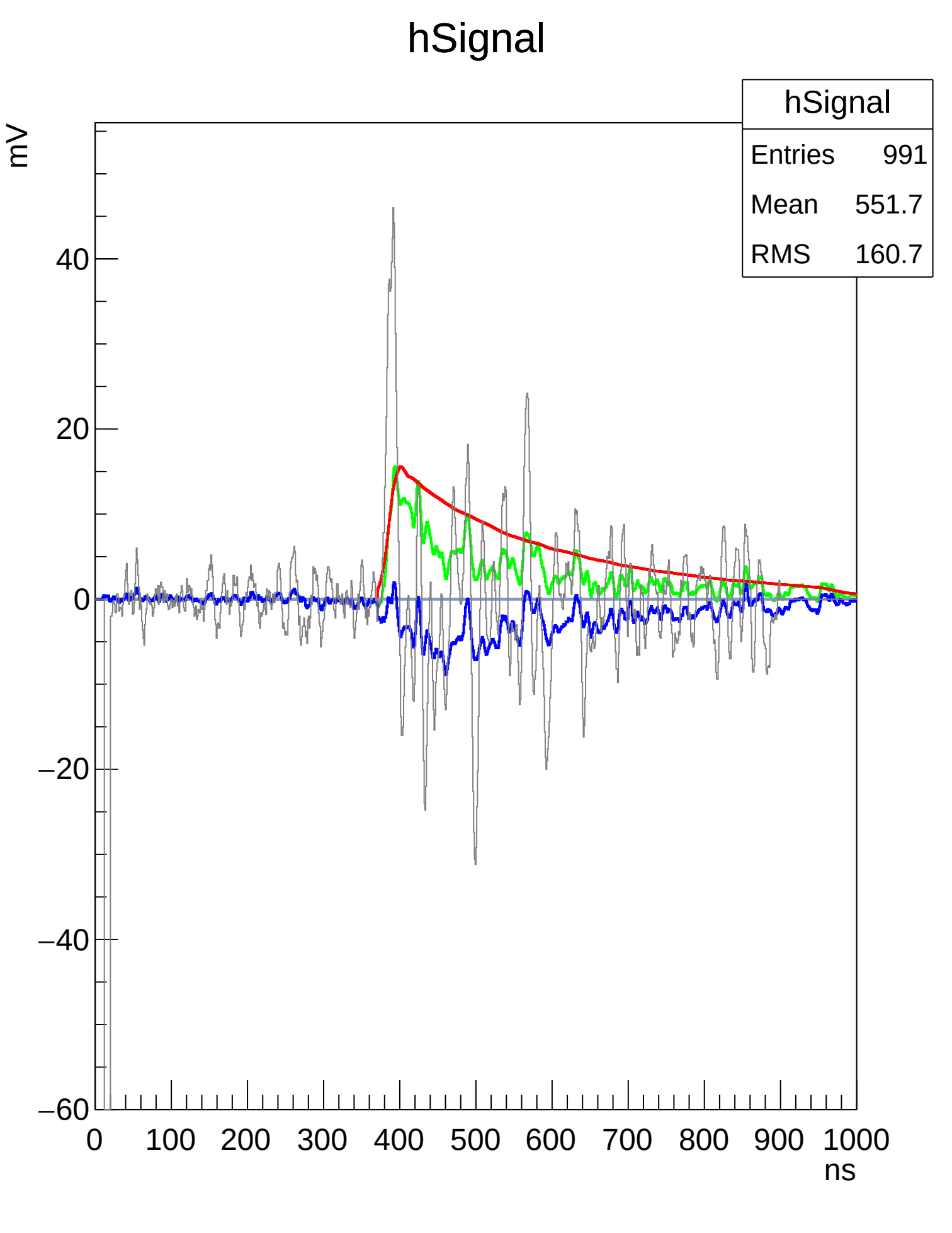
hSignal
hSignal
Entries 991
Mean 551.7
RMS 160.7
mV
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0
−20
−40
−60
0
100
200
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400
500
600
700
800
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1000
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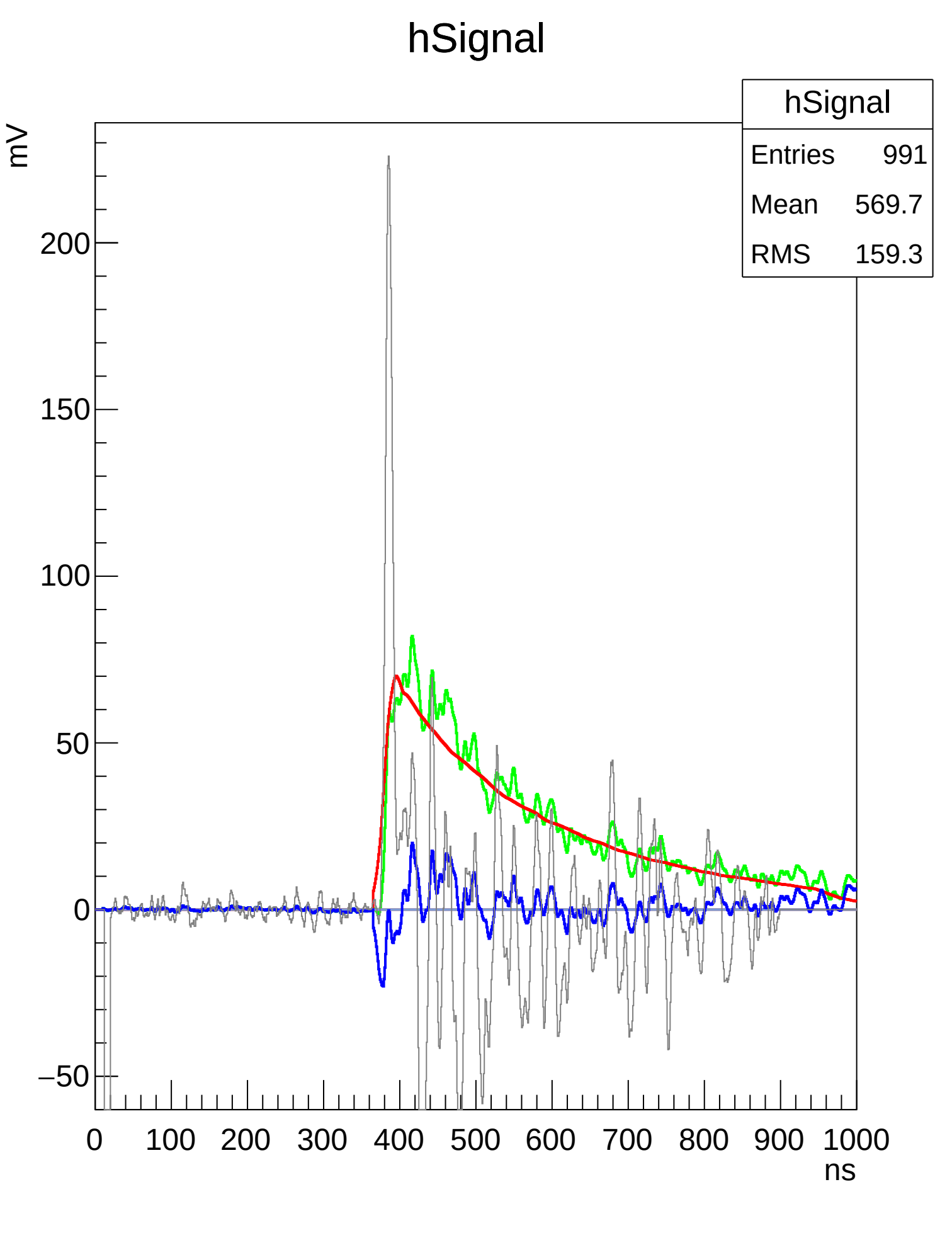
hSignal
hSignal
Entries 991
Mean 569.7
RMS 159.3
mV
200
150
100
50
0
−50
0
100
200
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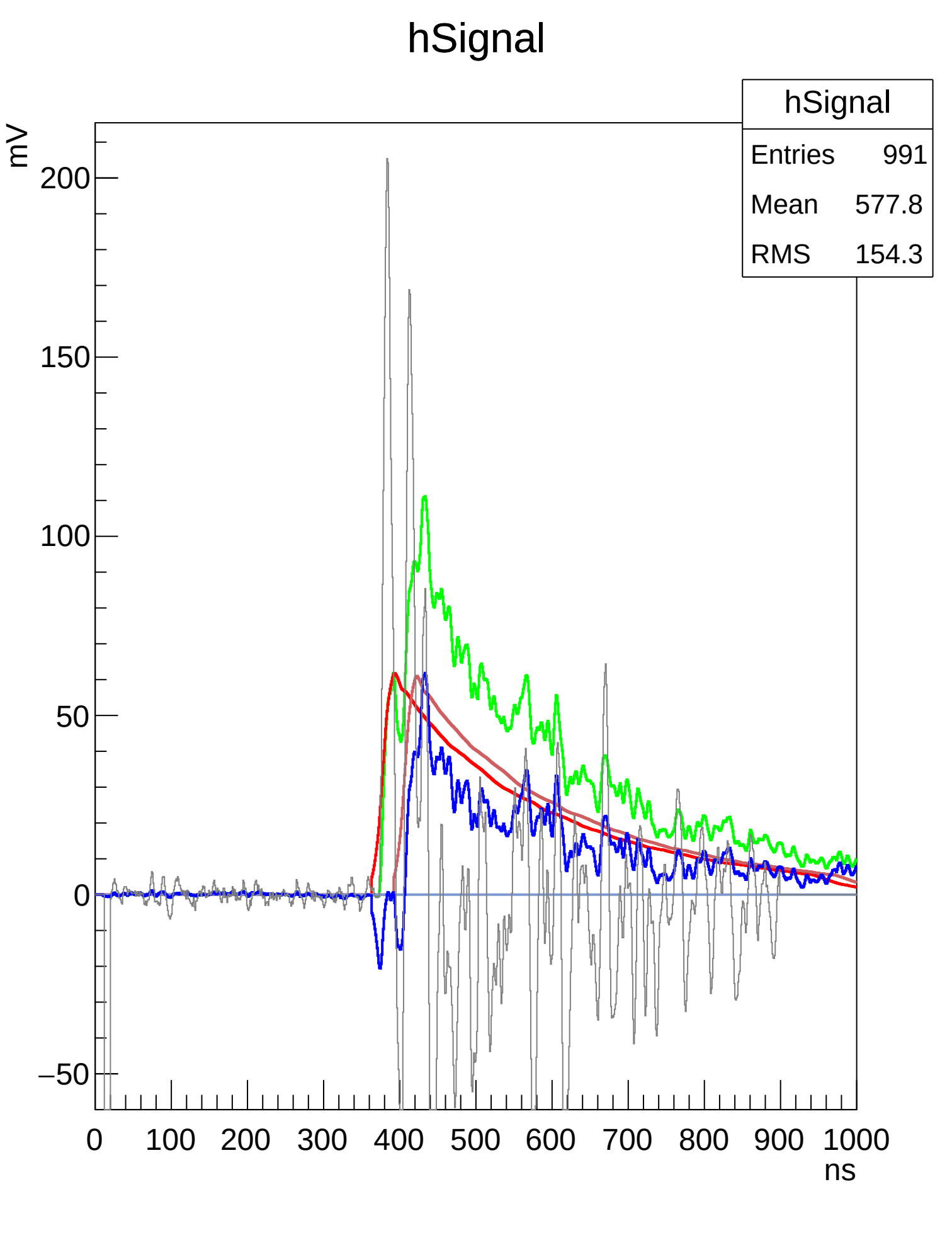
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 154.3
mV
200
150
100
50
0
−50
0
100
200
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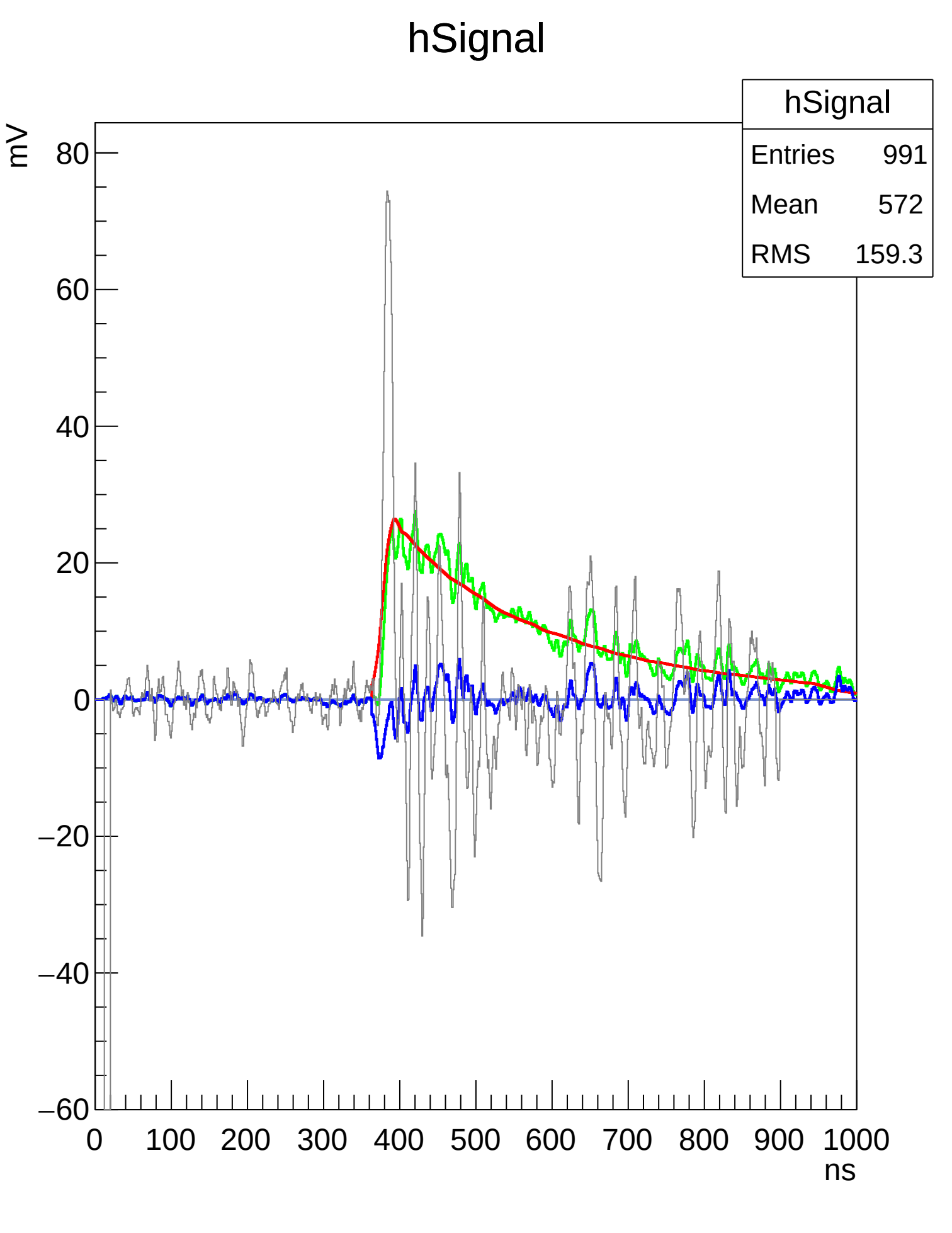
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572
RMS 159.3
mV
80
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40
20
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−20
−40
−60
0
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200
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400
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600
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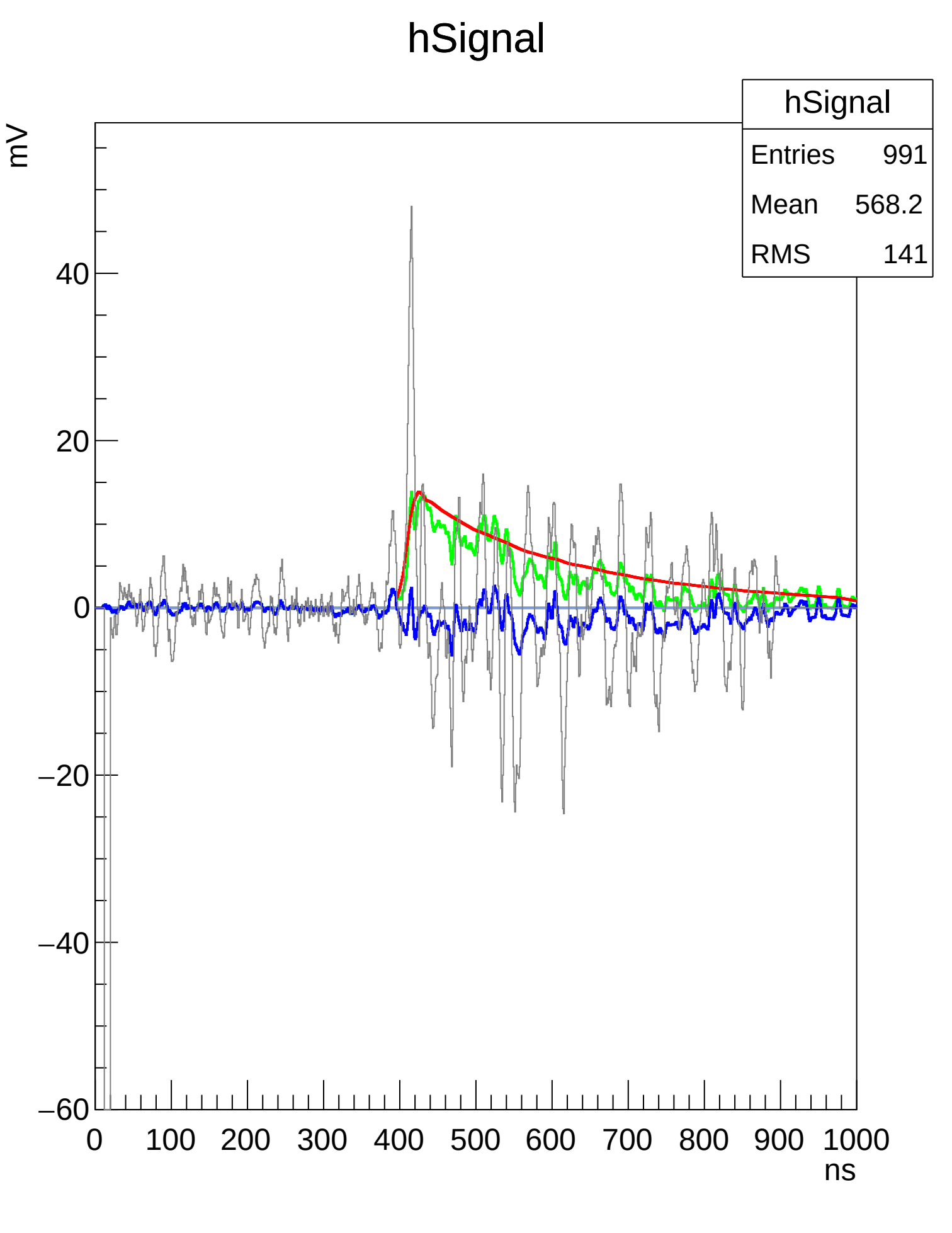
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.2
RMS 141
mV
40
20
0
−20
−40
−60
0
100
200
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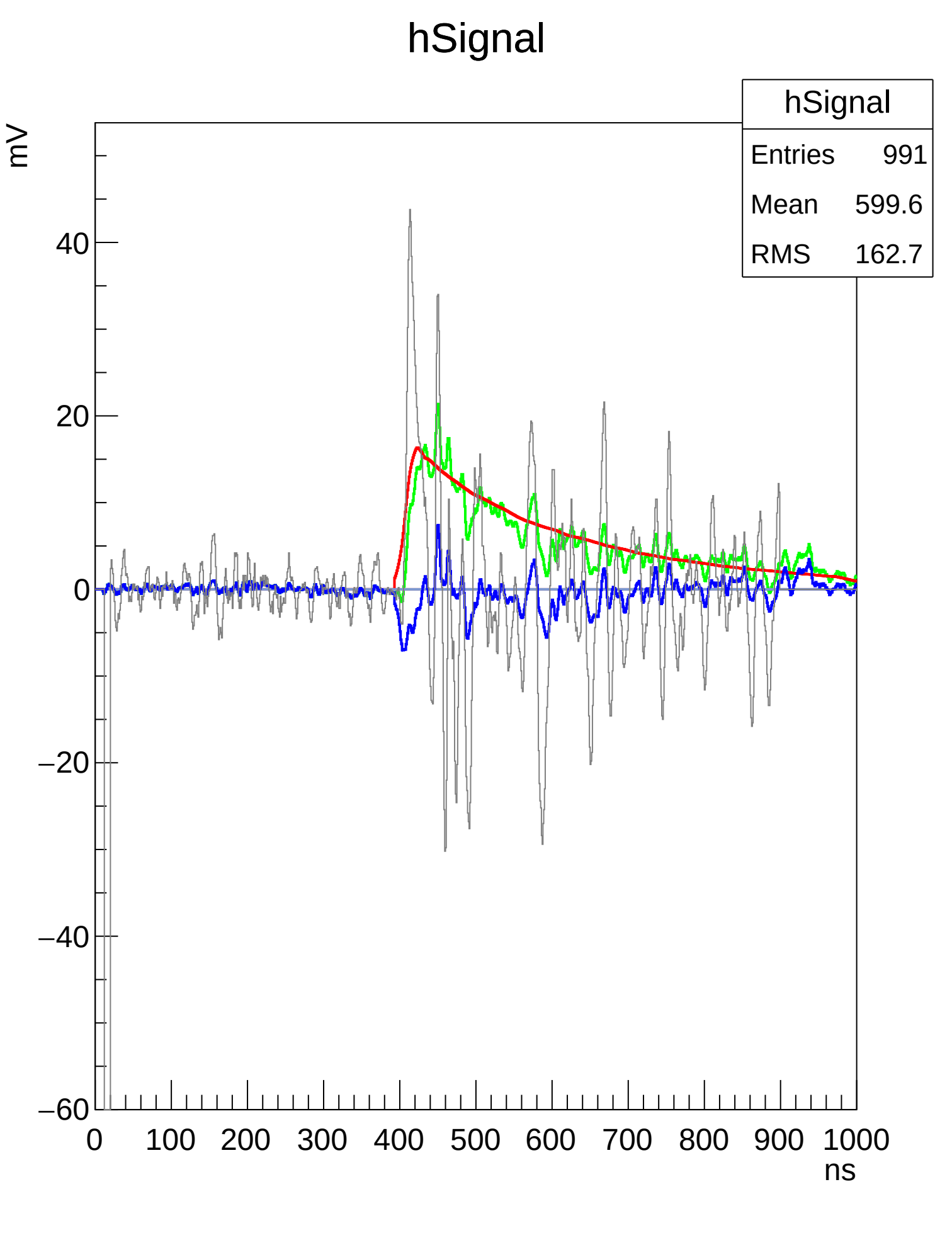
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.6
RMS 162.7
mV
40
20
0
−20
−40
−60
0
100
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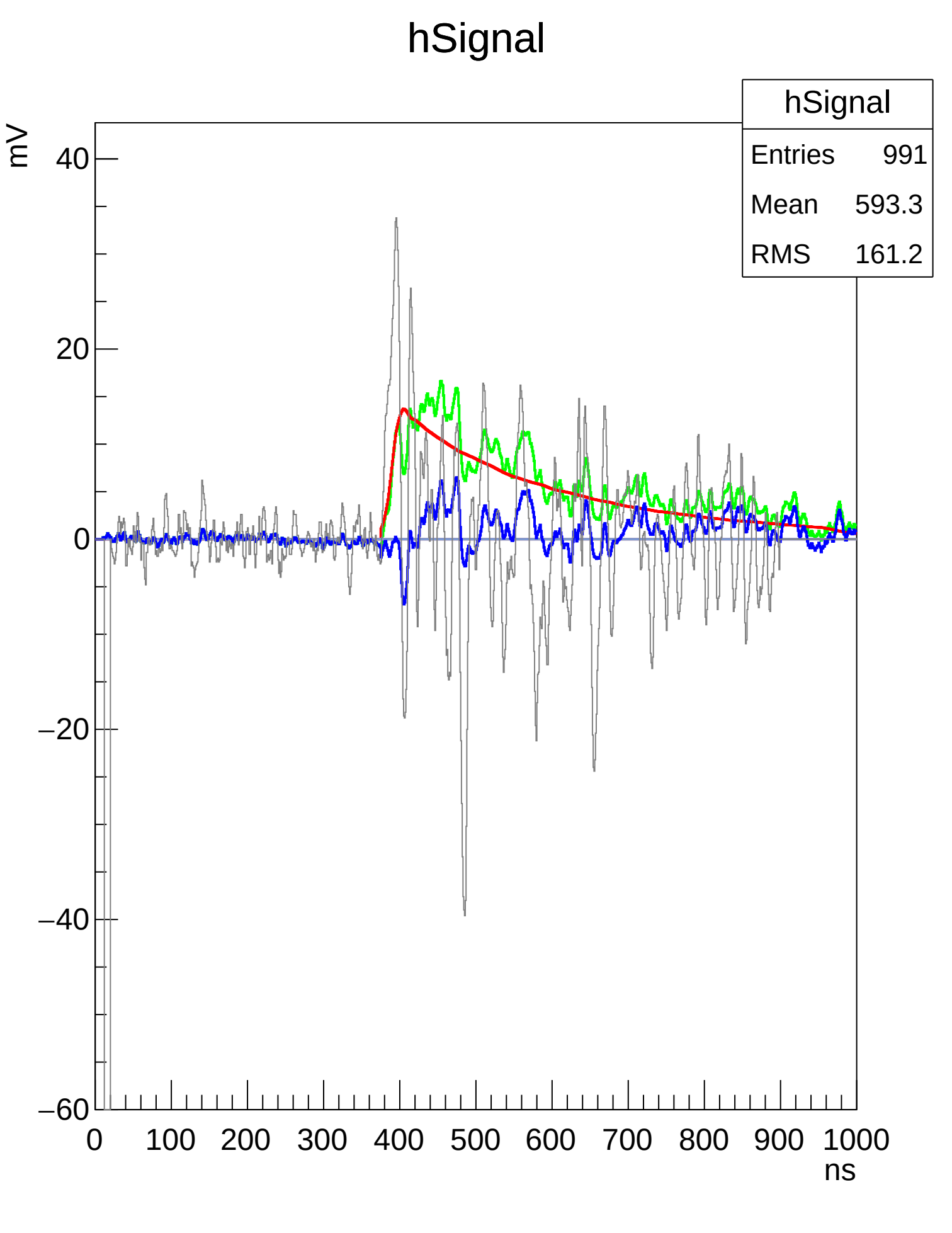
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.3
RMS 161.2
mV
40
20
0
−20
−40
−60
0
100
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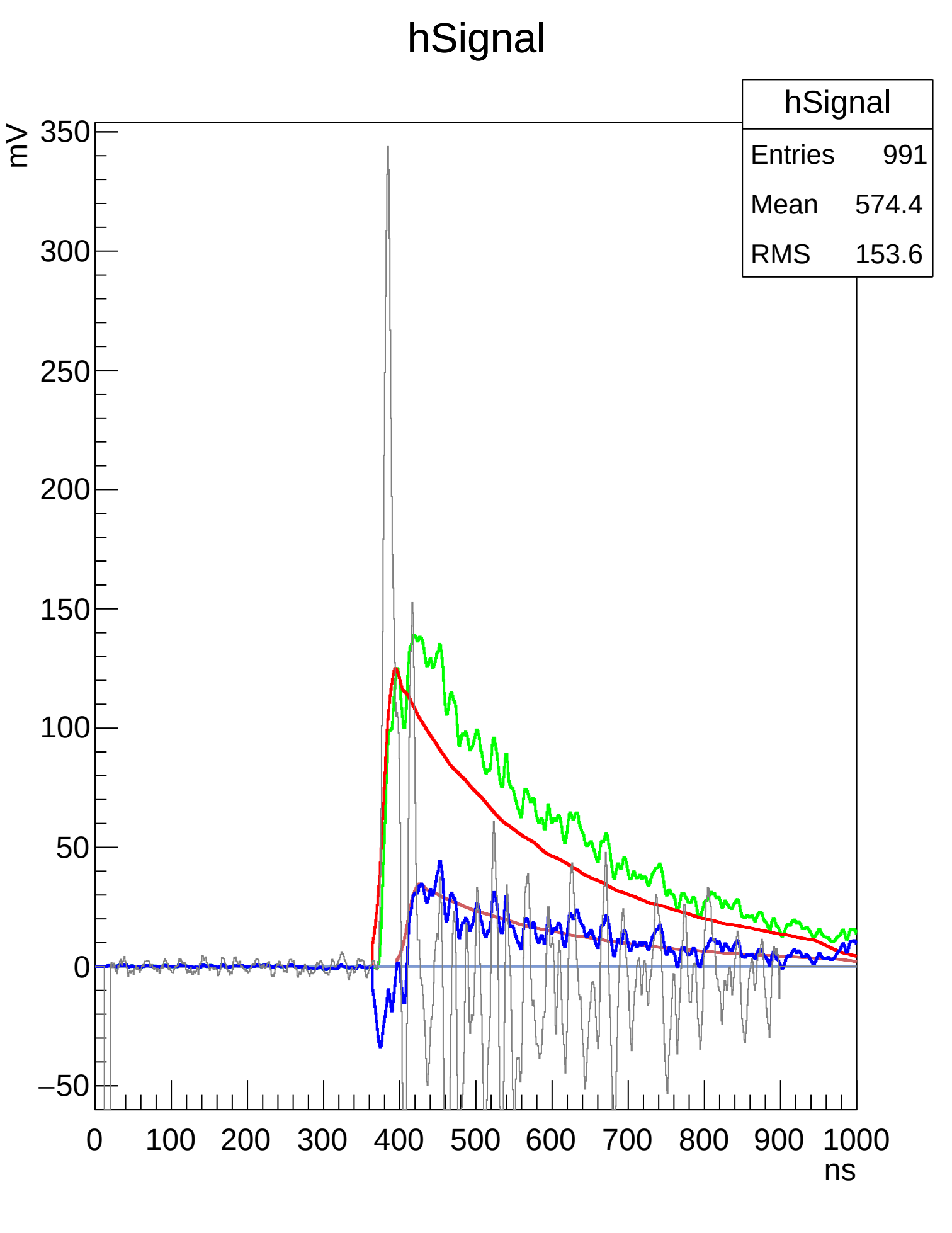
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.4
RMS 153.6
mV
350
300
250
200
150
100
50
0
−50
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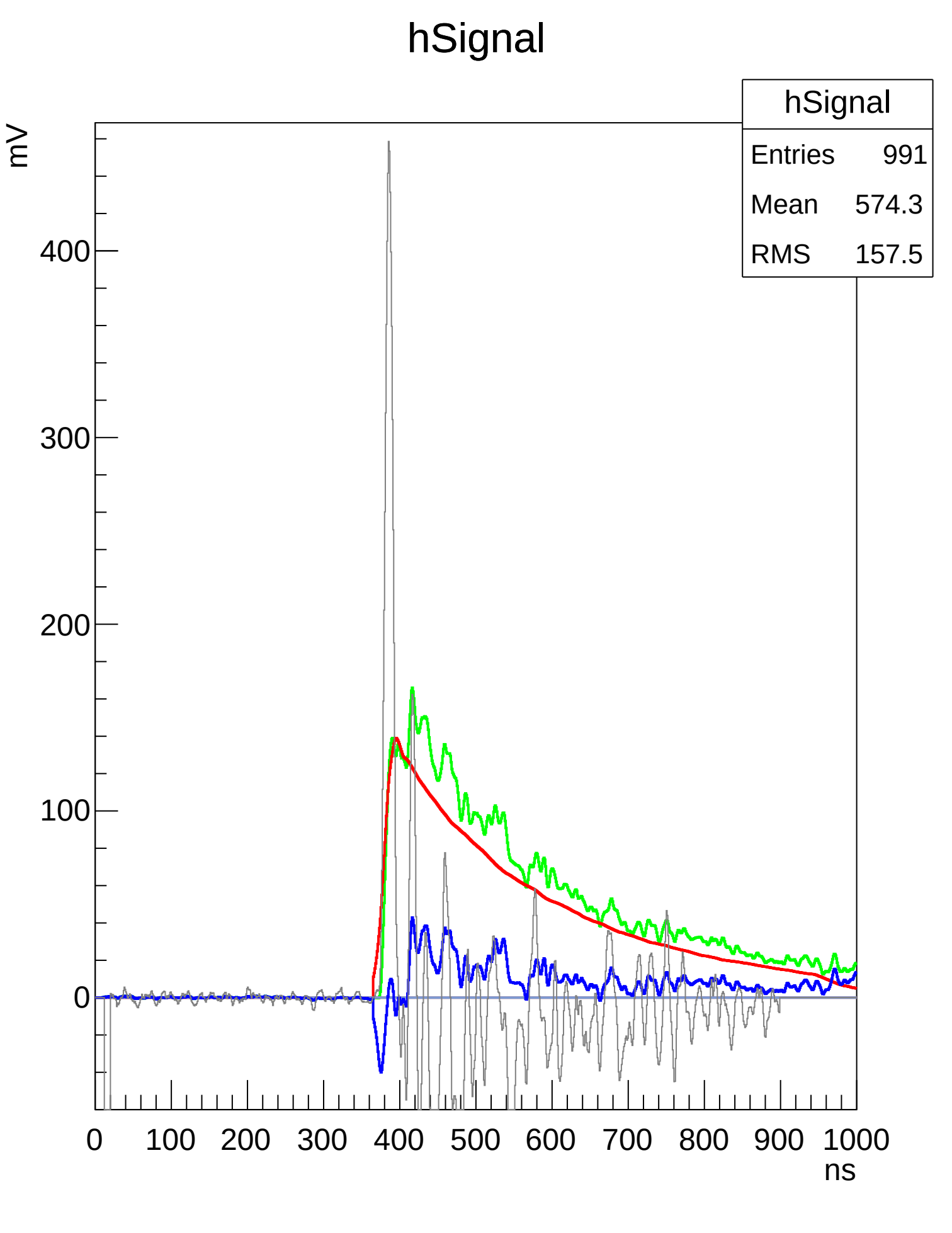
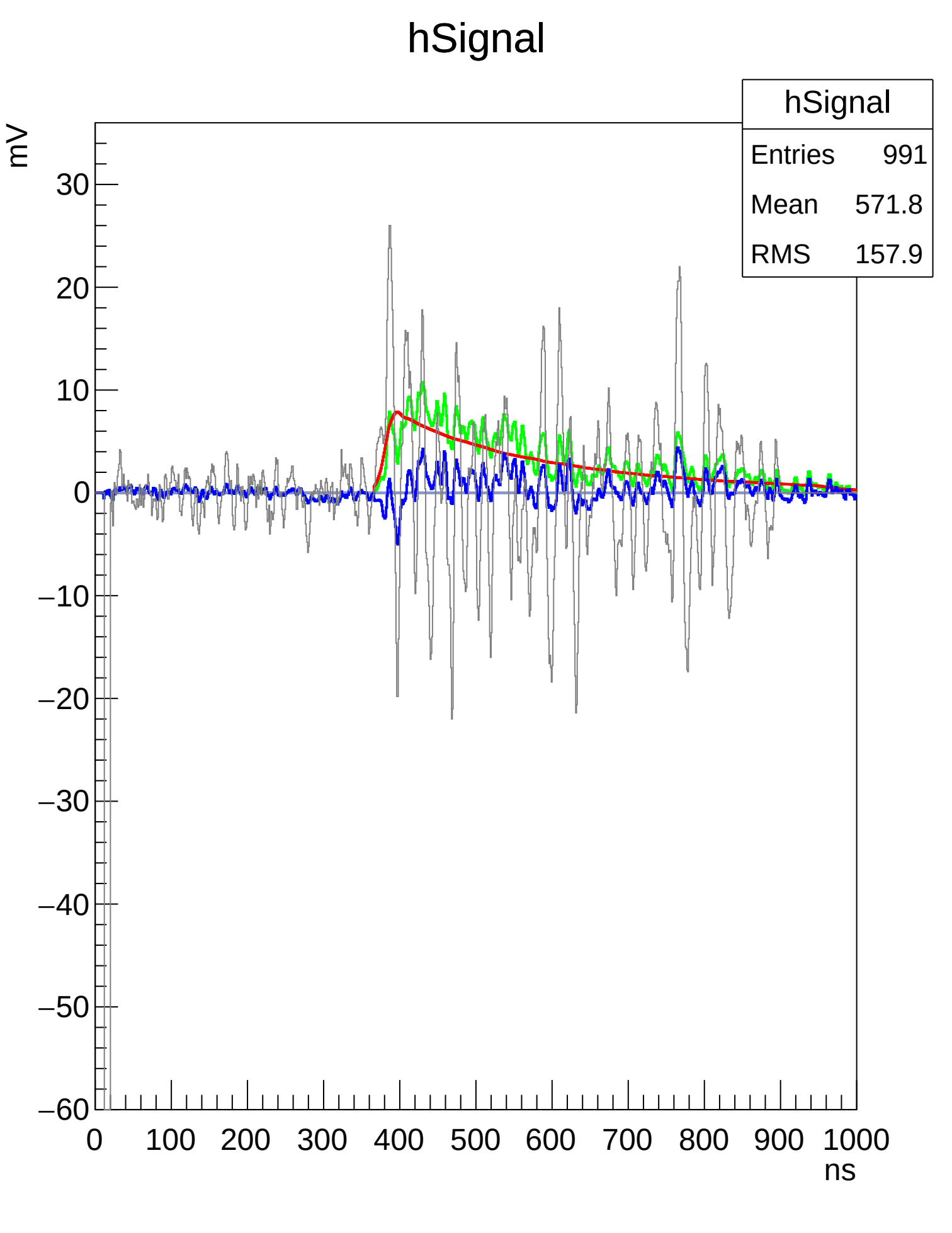
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 157.5
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 571.8
RMS 157.9
mV
30
20
10
0
−10
−20
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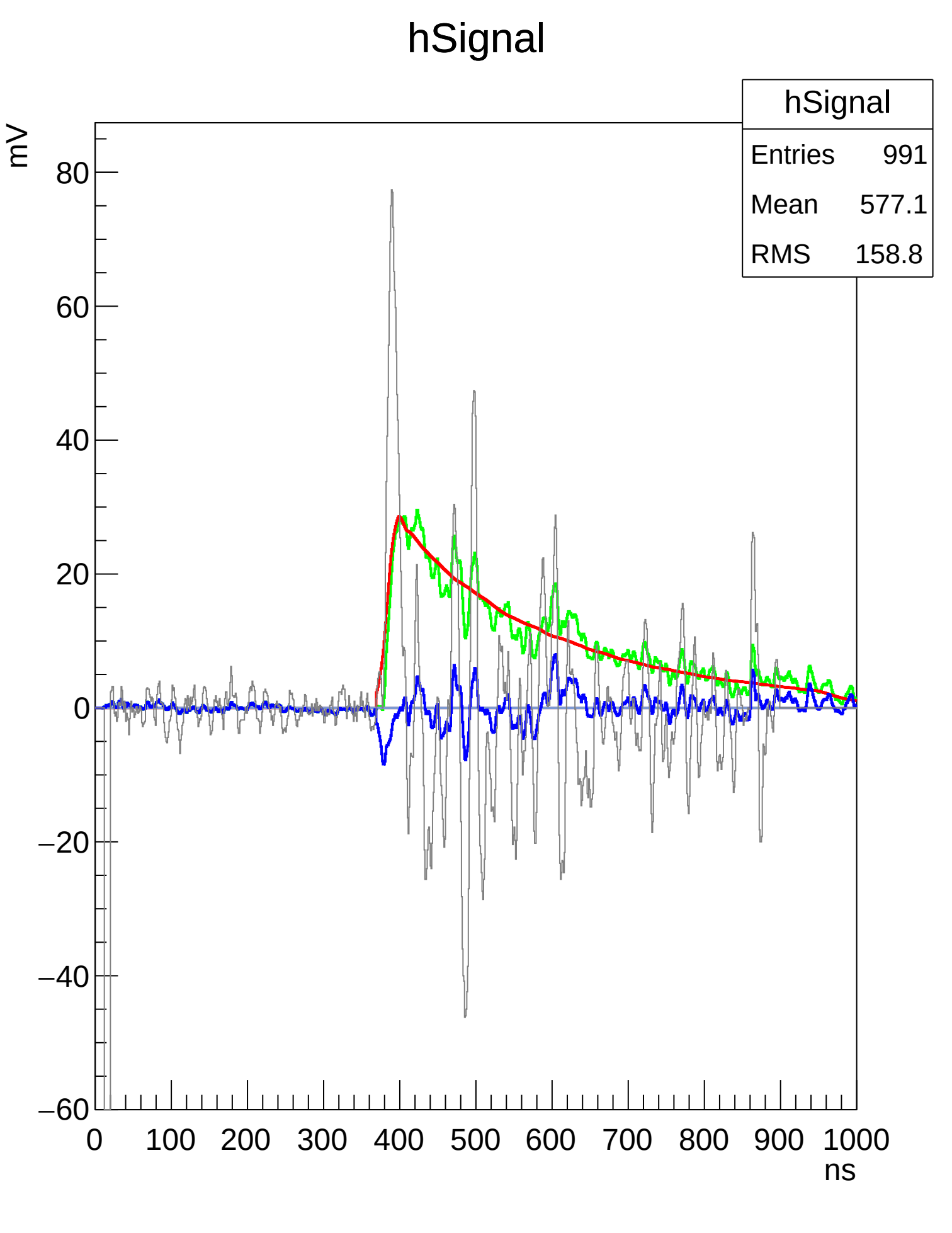
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.1
RMS 158.8
mV
80
60
40
20
0
−20
−40
−60
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100
200
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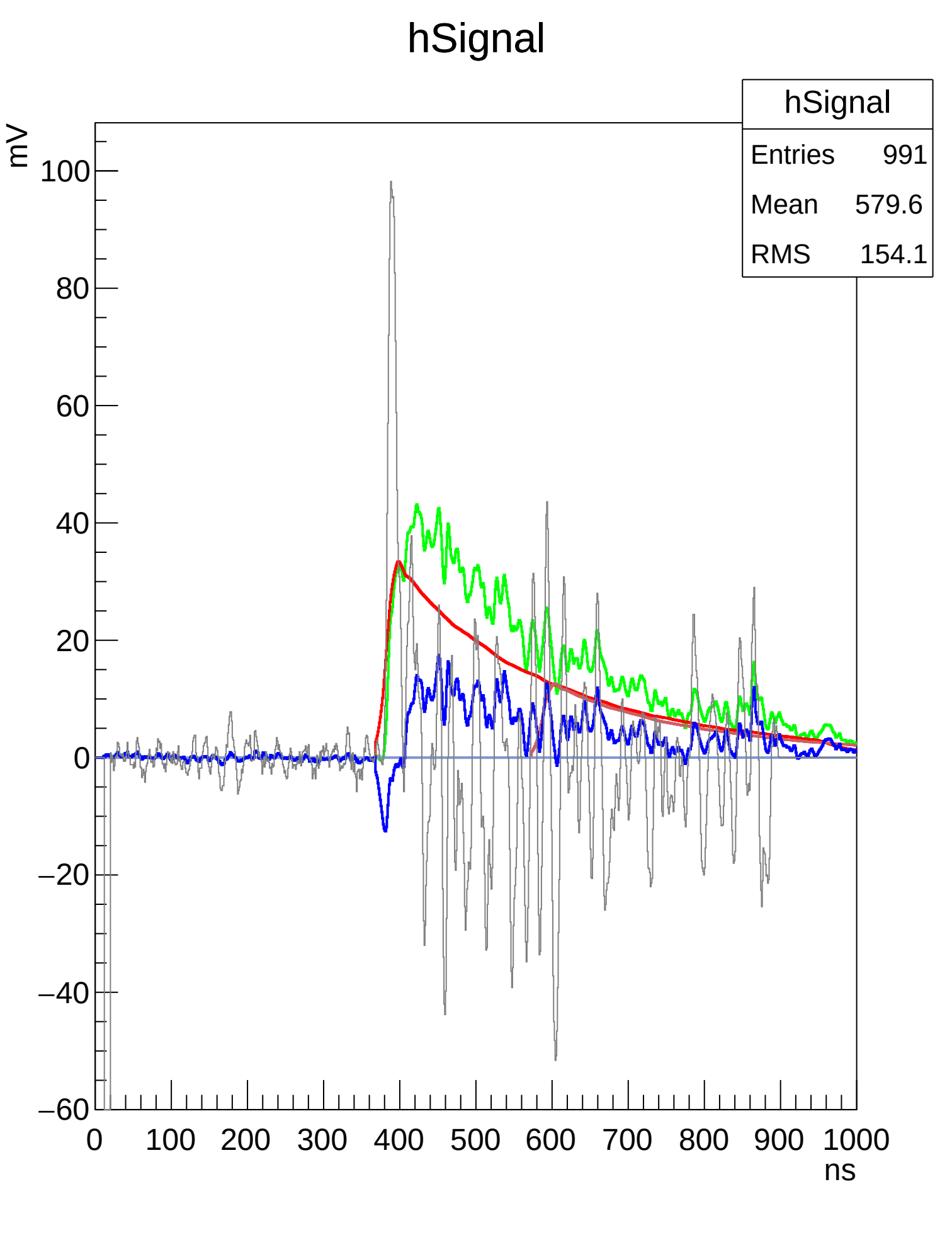
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 154.1
mV
100
80
60
40
20
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−20
−40
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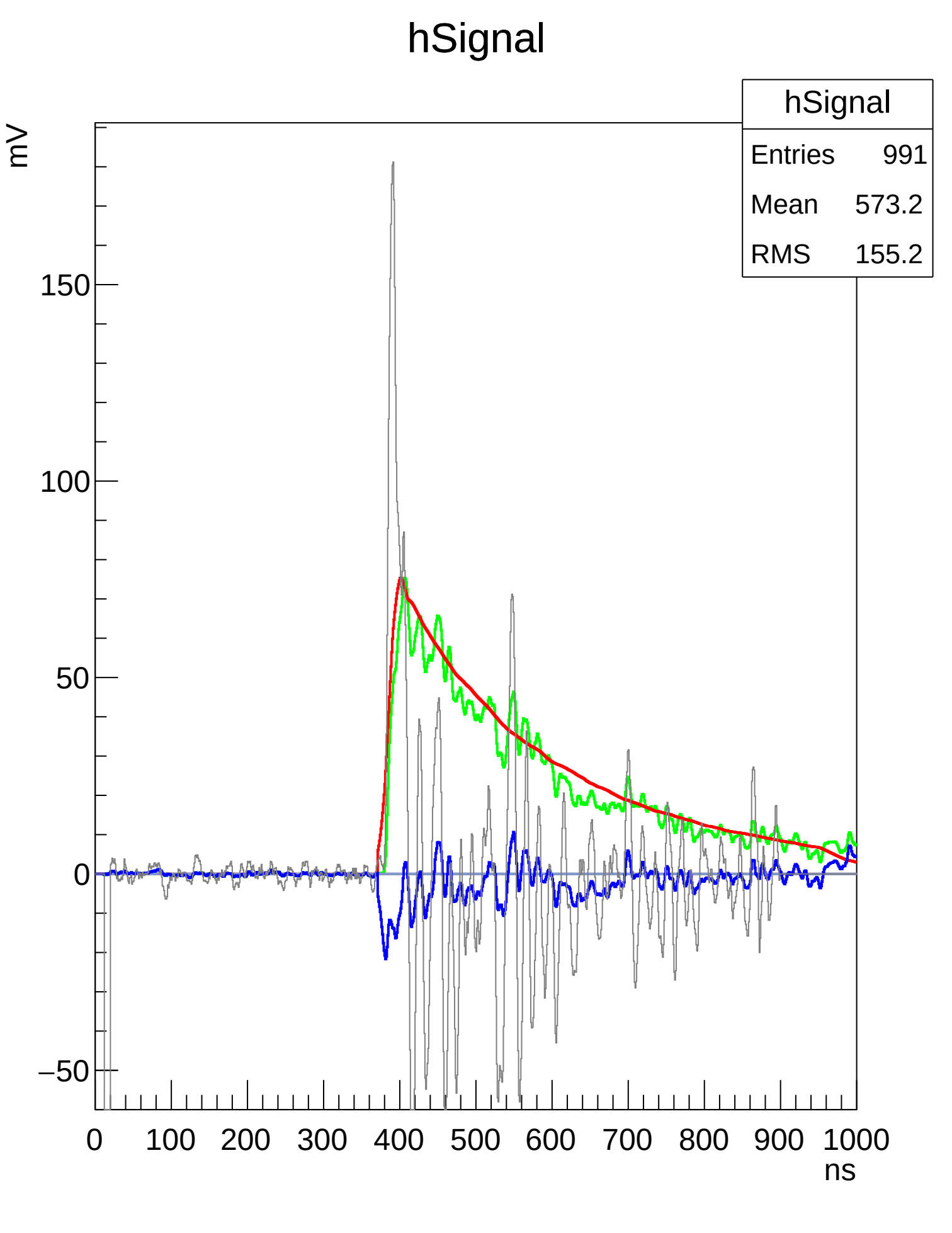
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.2
RMS 155.2
mV
150
100
50
0
−50
0
100
200
300
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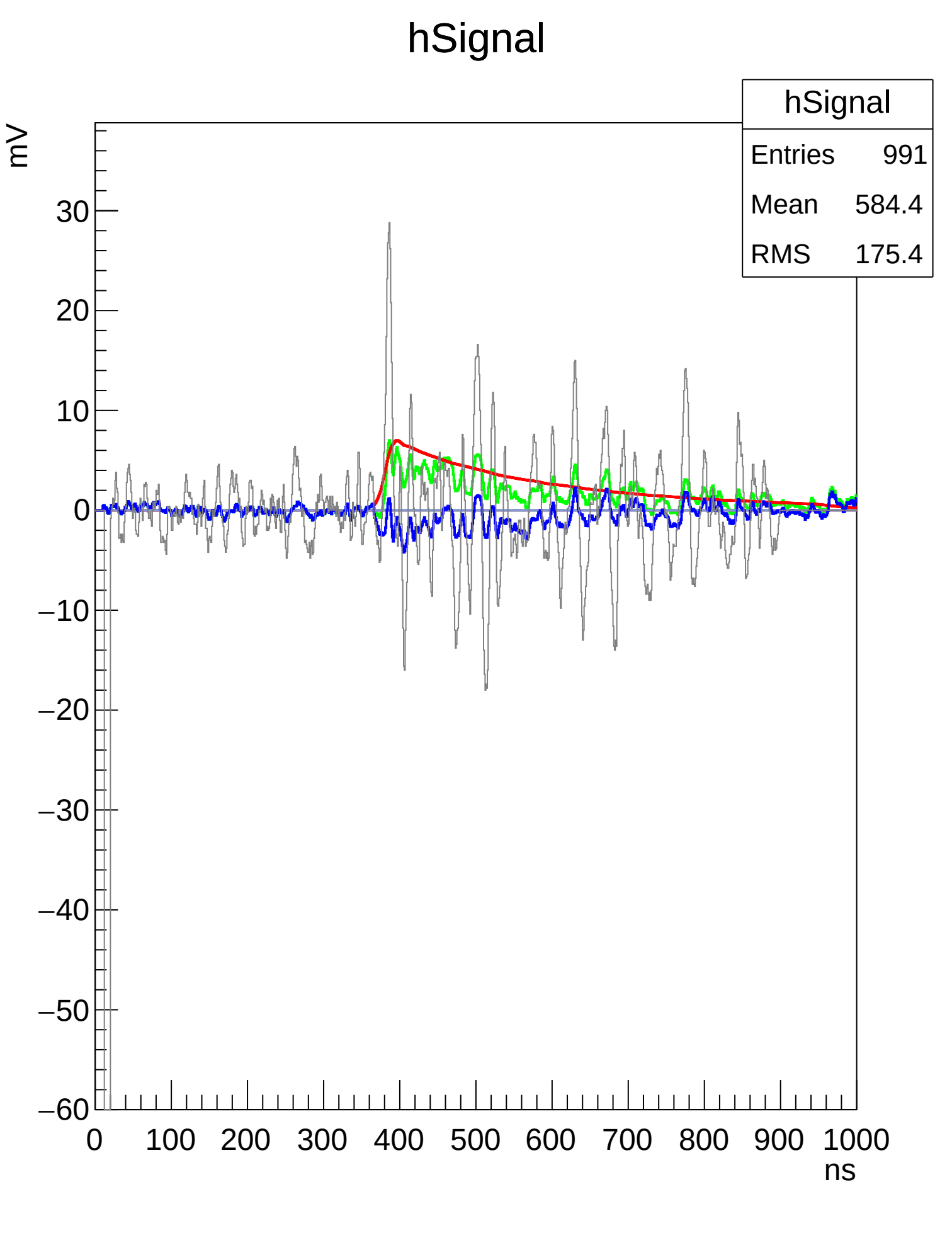
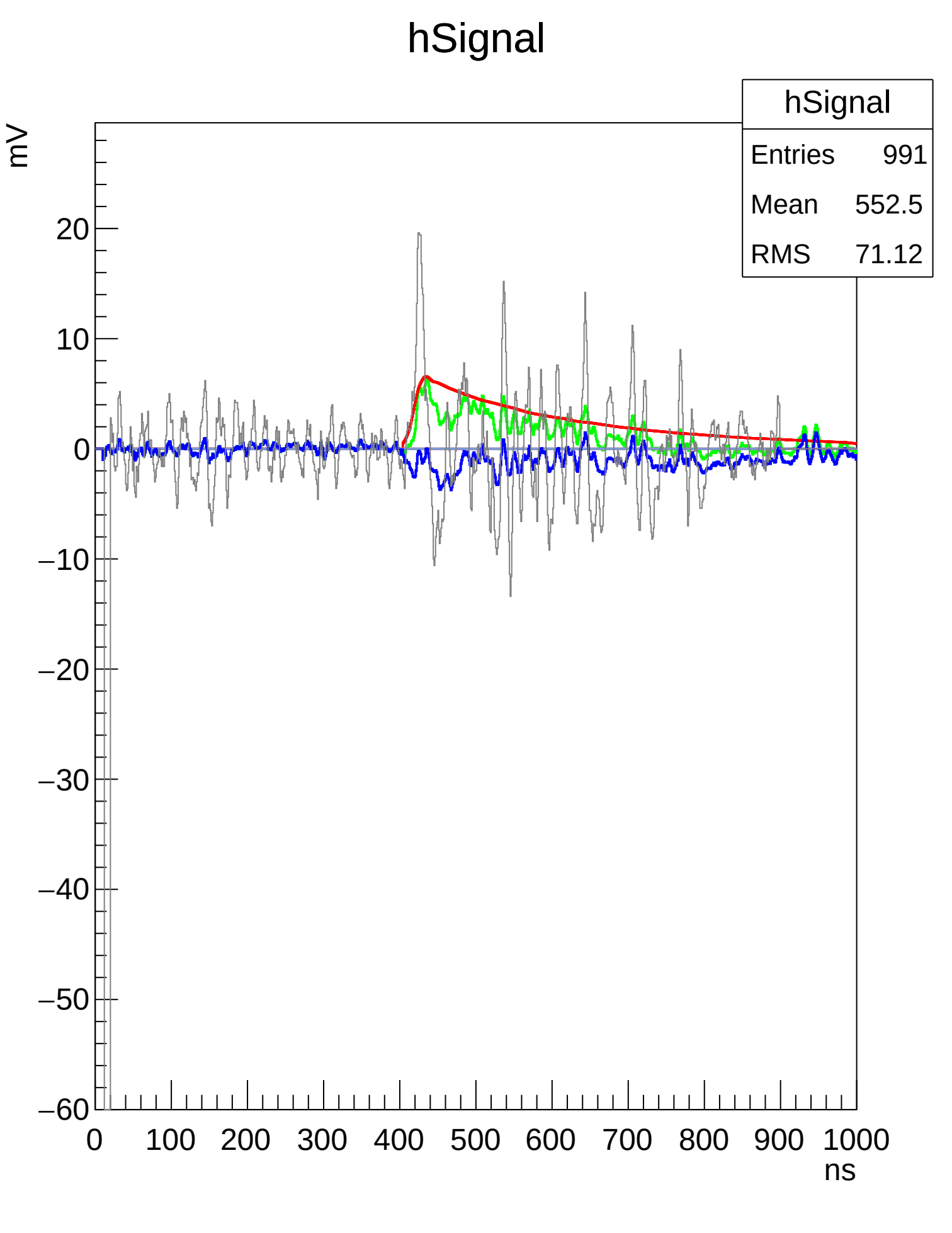
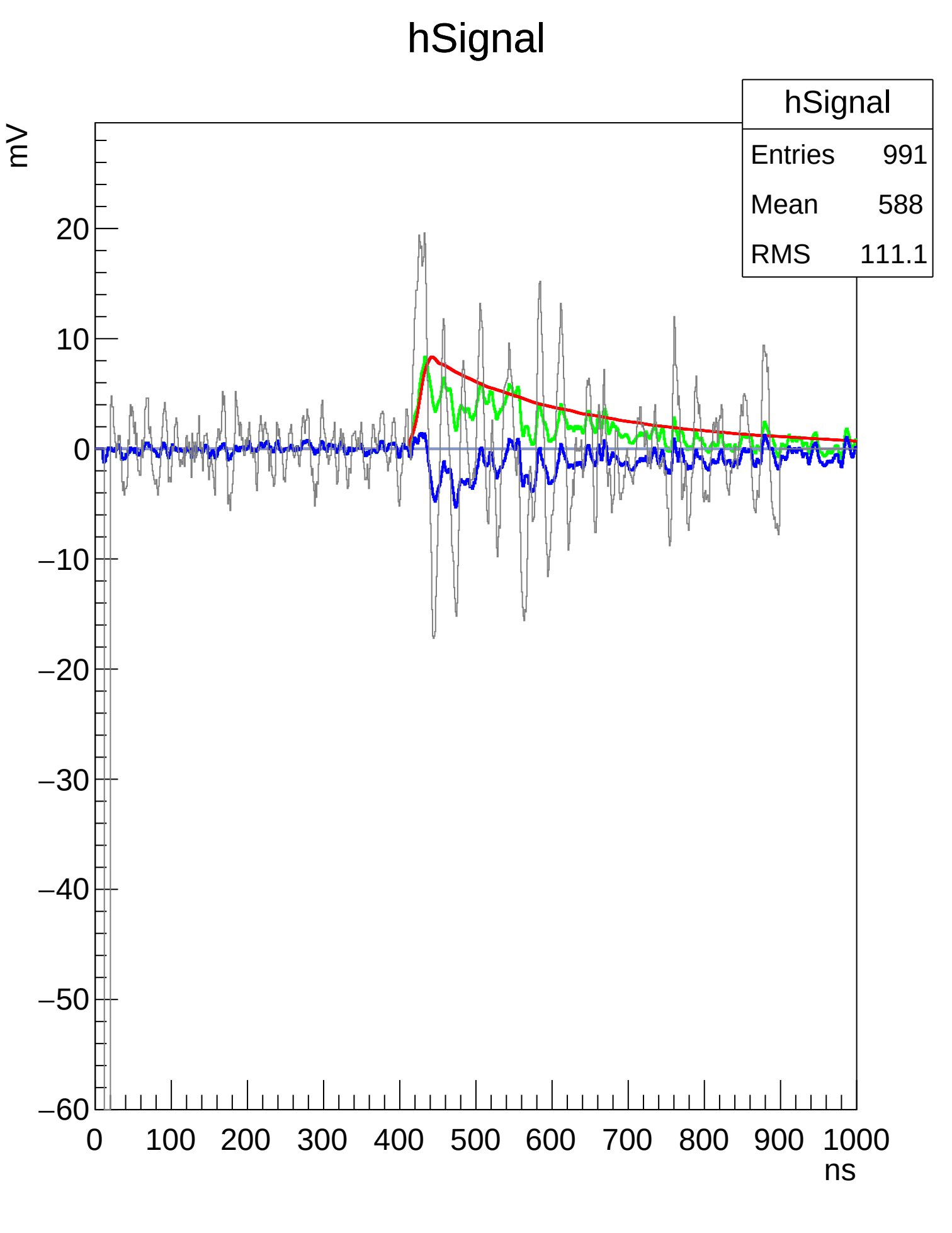
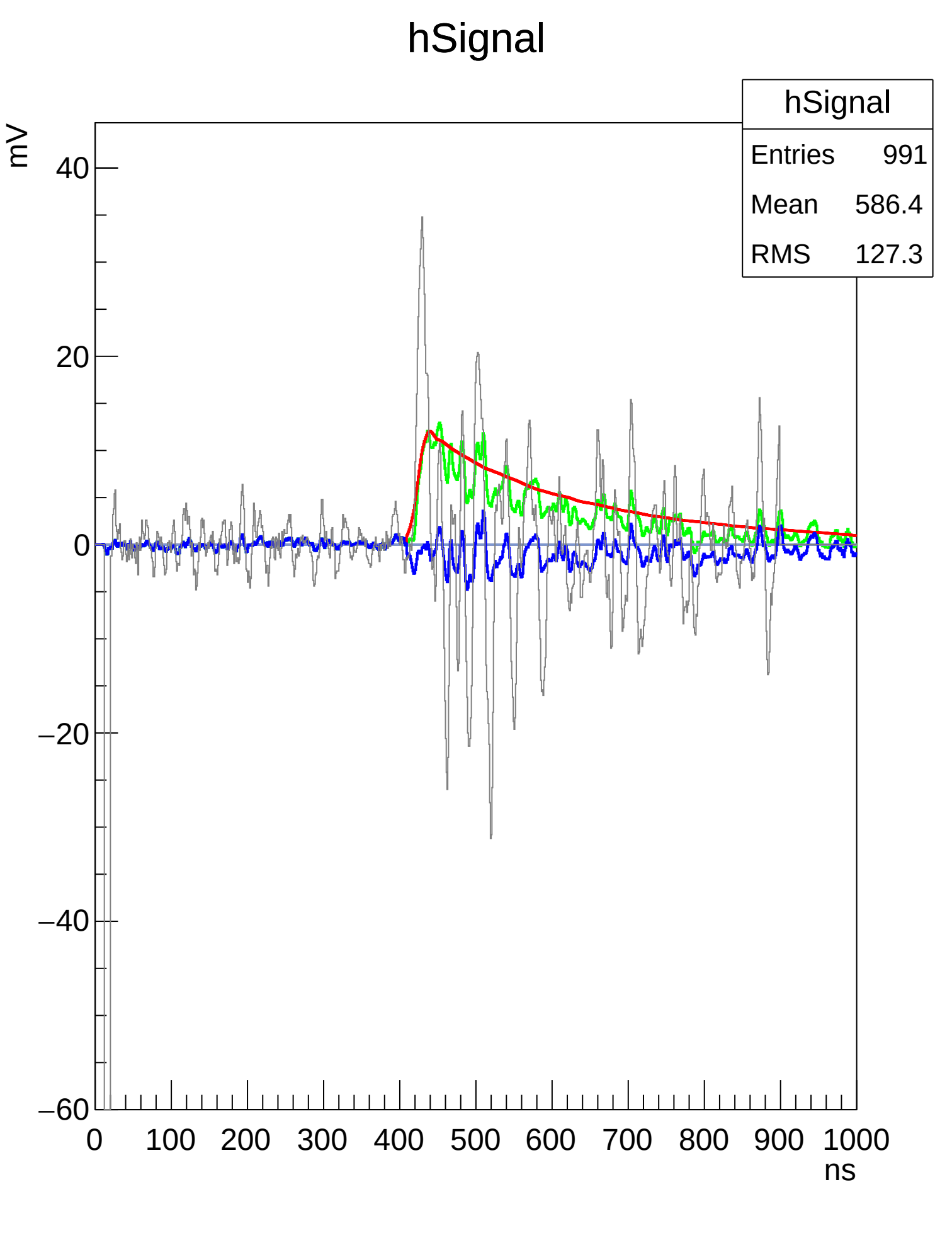
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.4
RMS 175.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.5
RMS 71.12
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 111.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.4
RMS 127.3
mV
40
20
0
−20
−40
−60
0
100
200
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400
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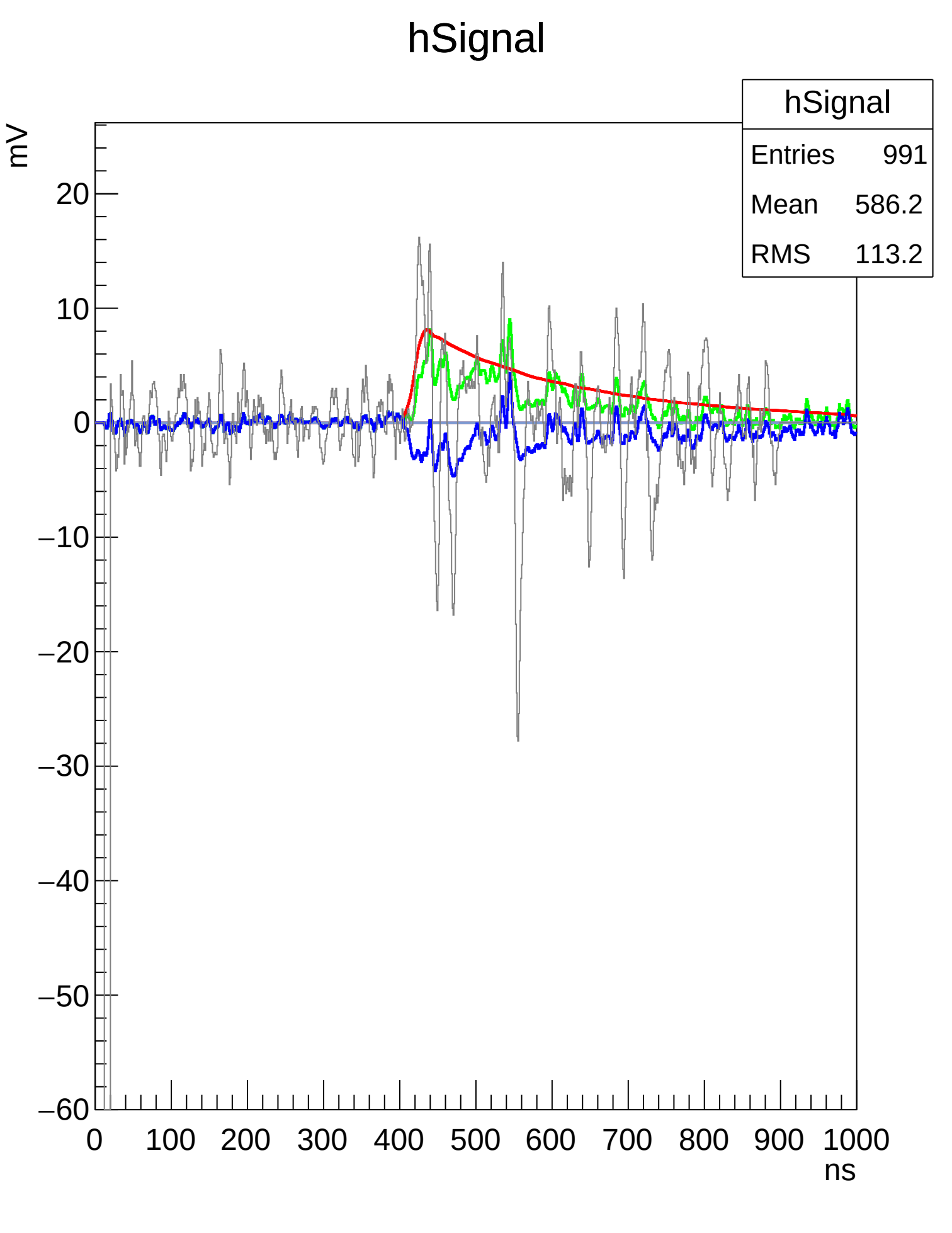
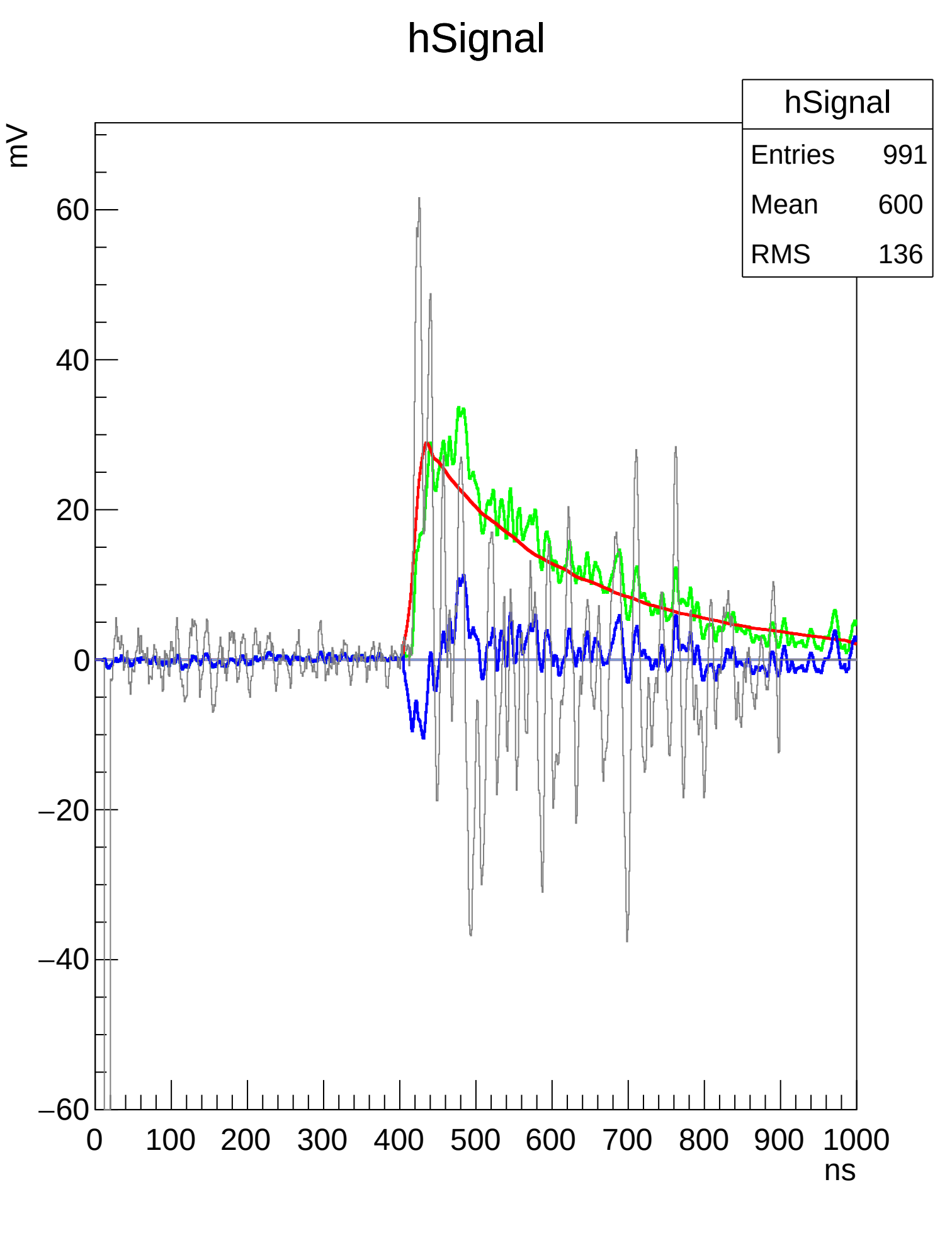
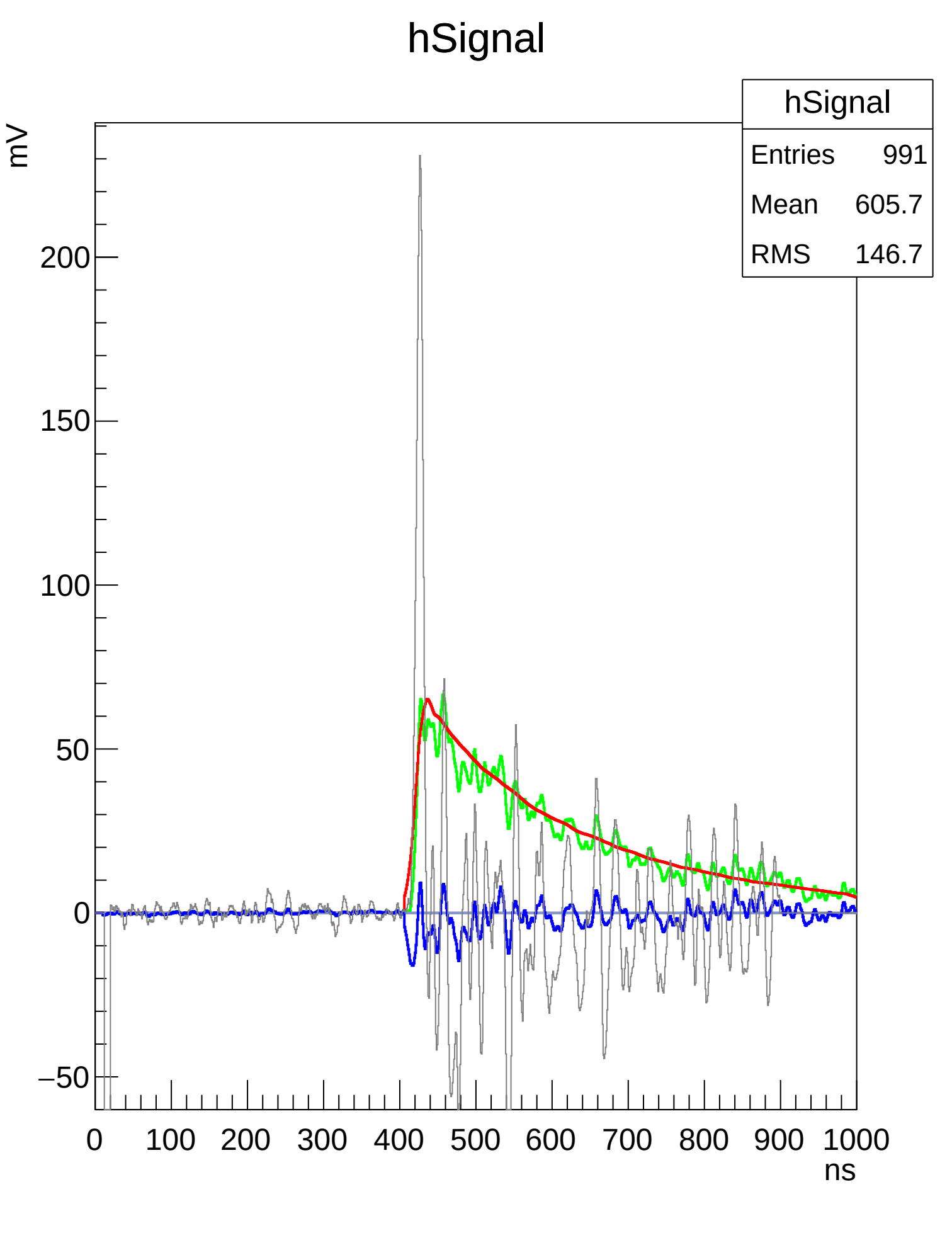
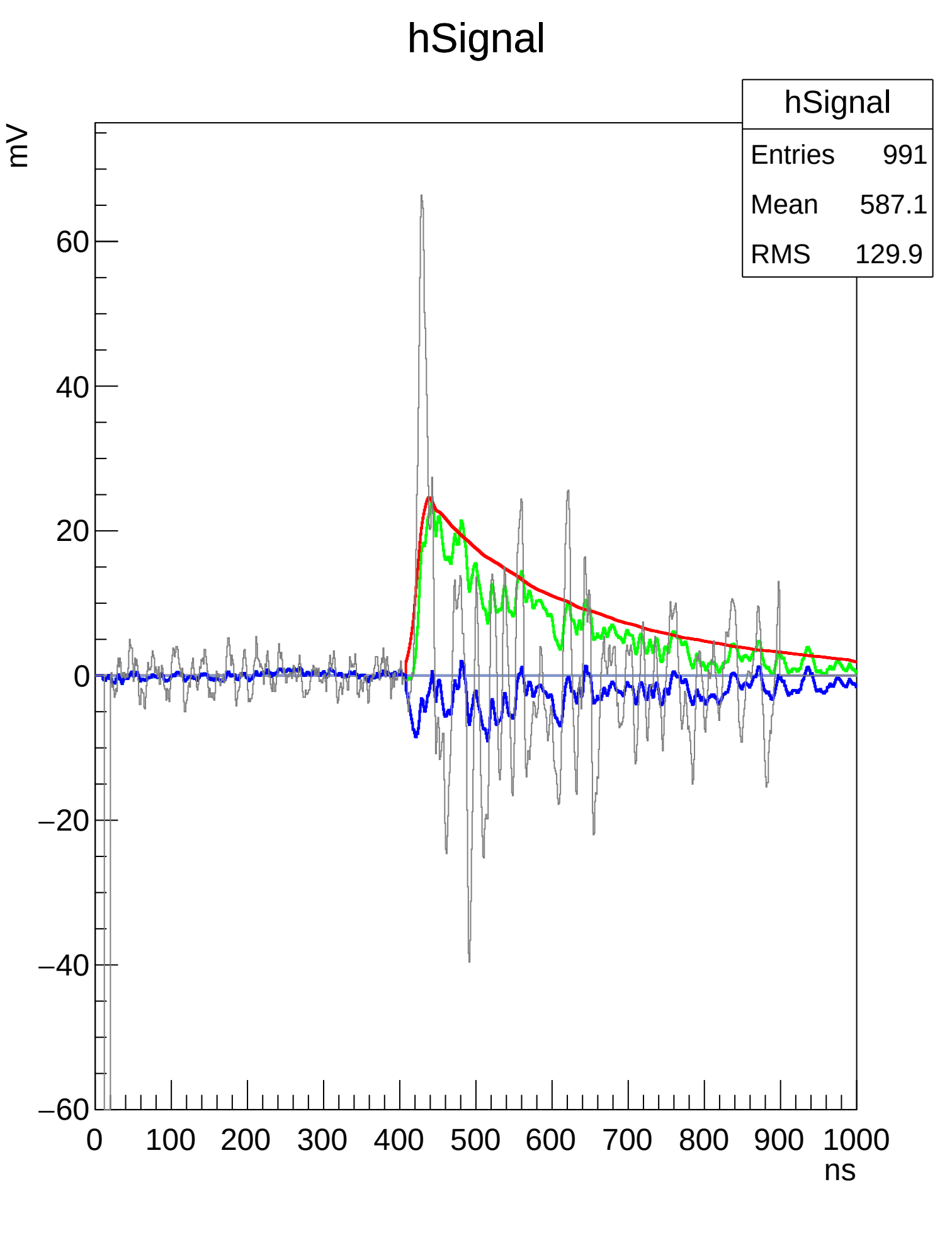
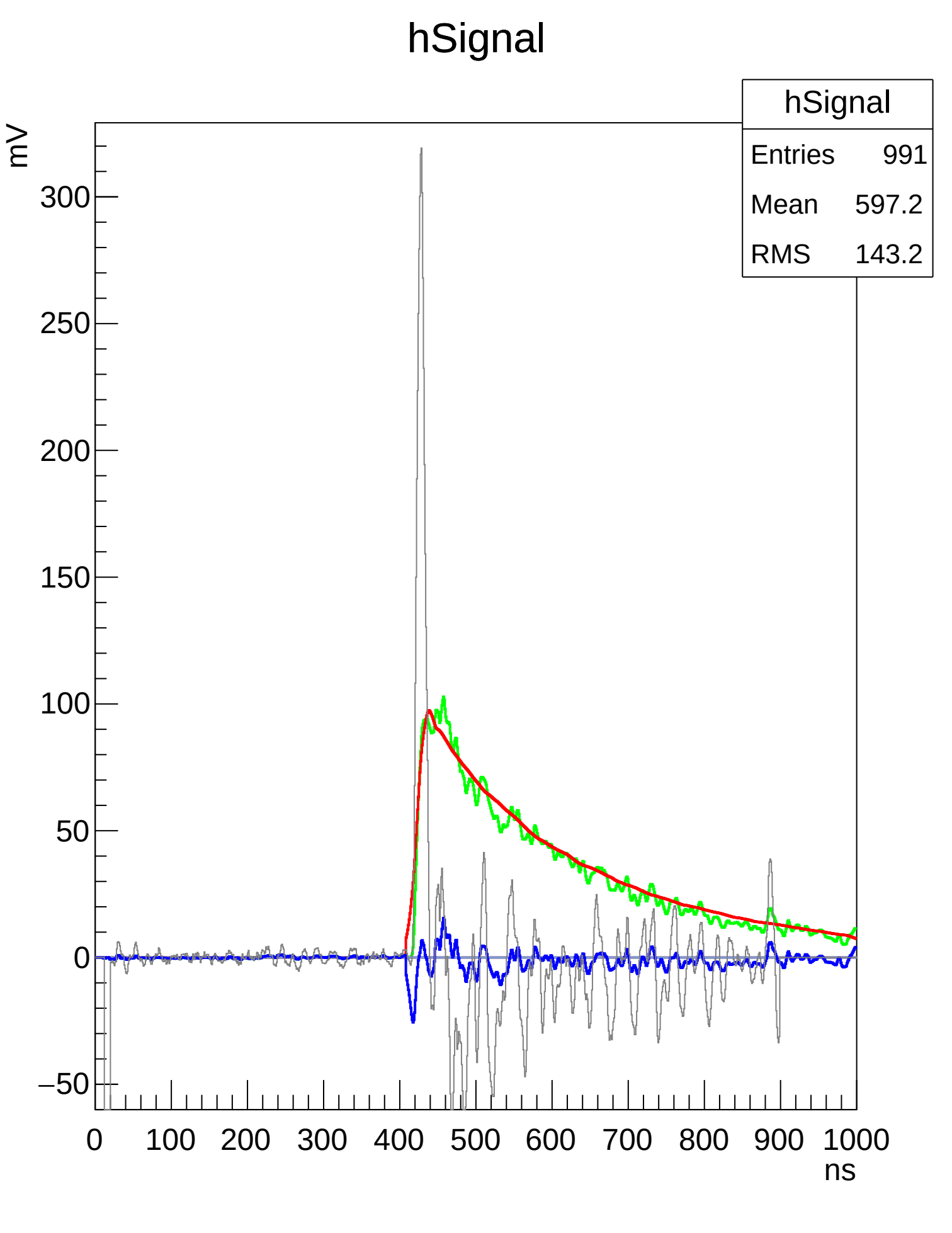
600
700
800
900
1000
ns

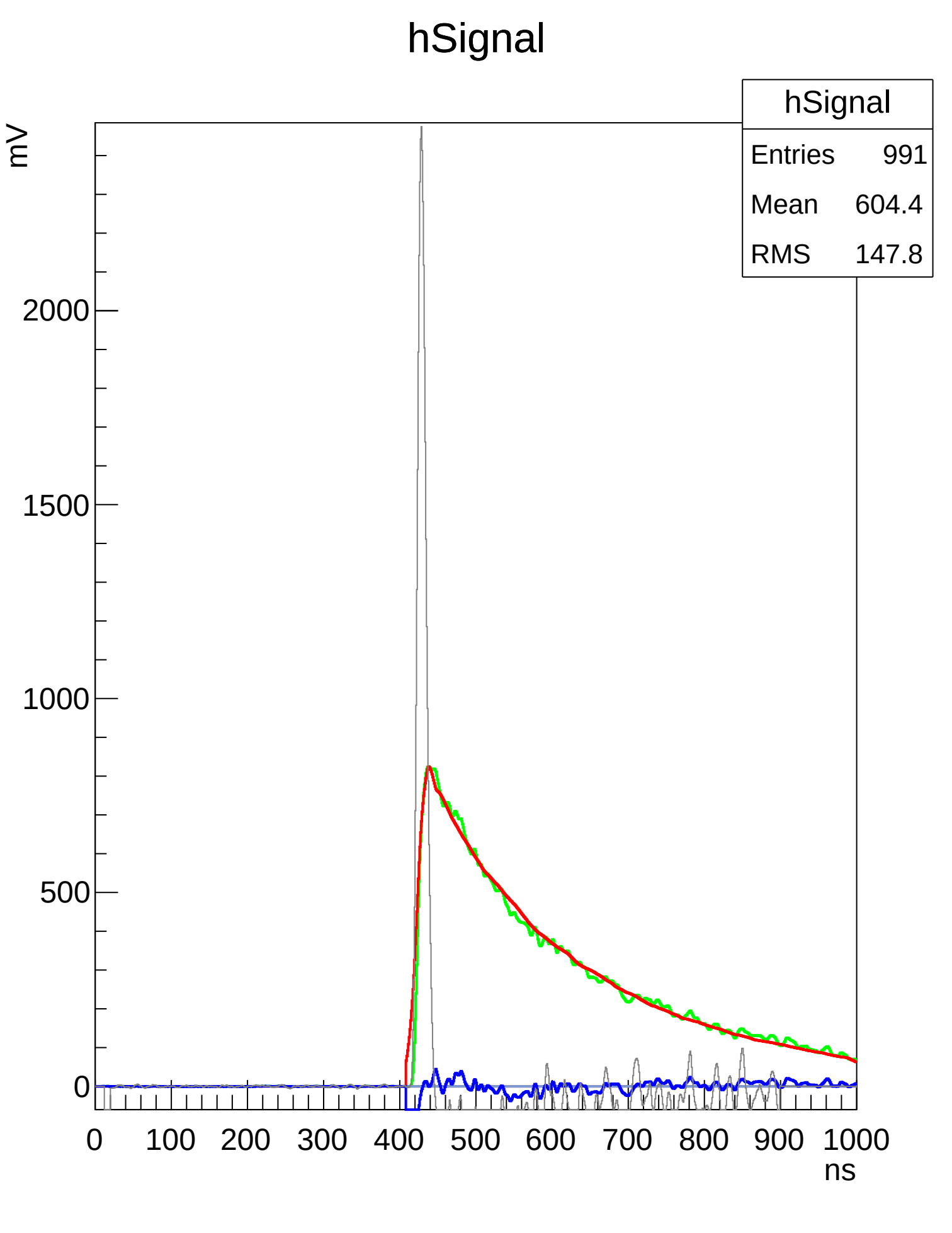

hSignal
hSignal
Entries 991
Mean 586.2
RMS 113.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

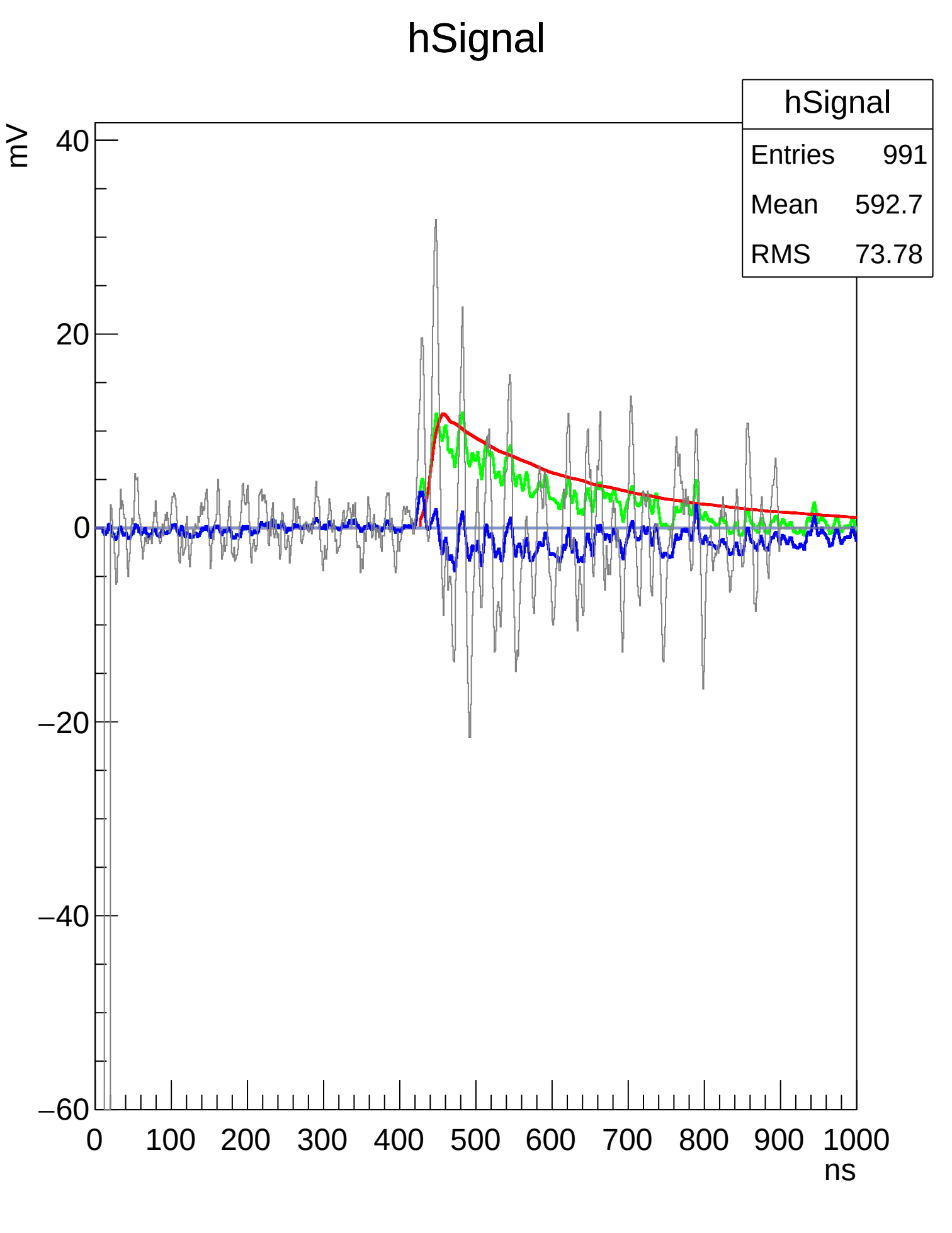

hSignal
hSignal
Entries 991
Mean 600
RMS 136
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.7
RMS 146.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.1
RMS 129.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.2
RMS 143.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.4
RMS 147.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 592.7
RMS 73.78
mV
40
20
0
−20
−40
−60
0
100
200
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400
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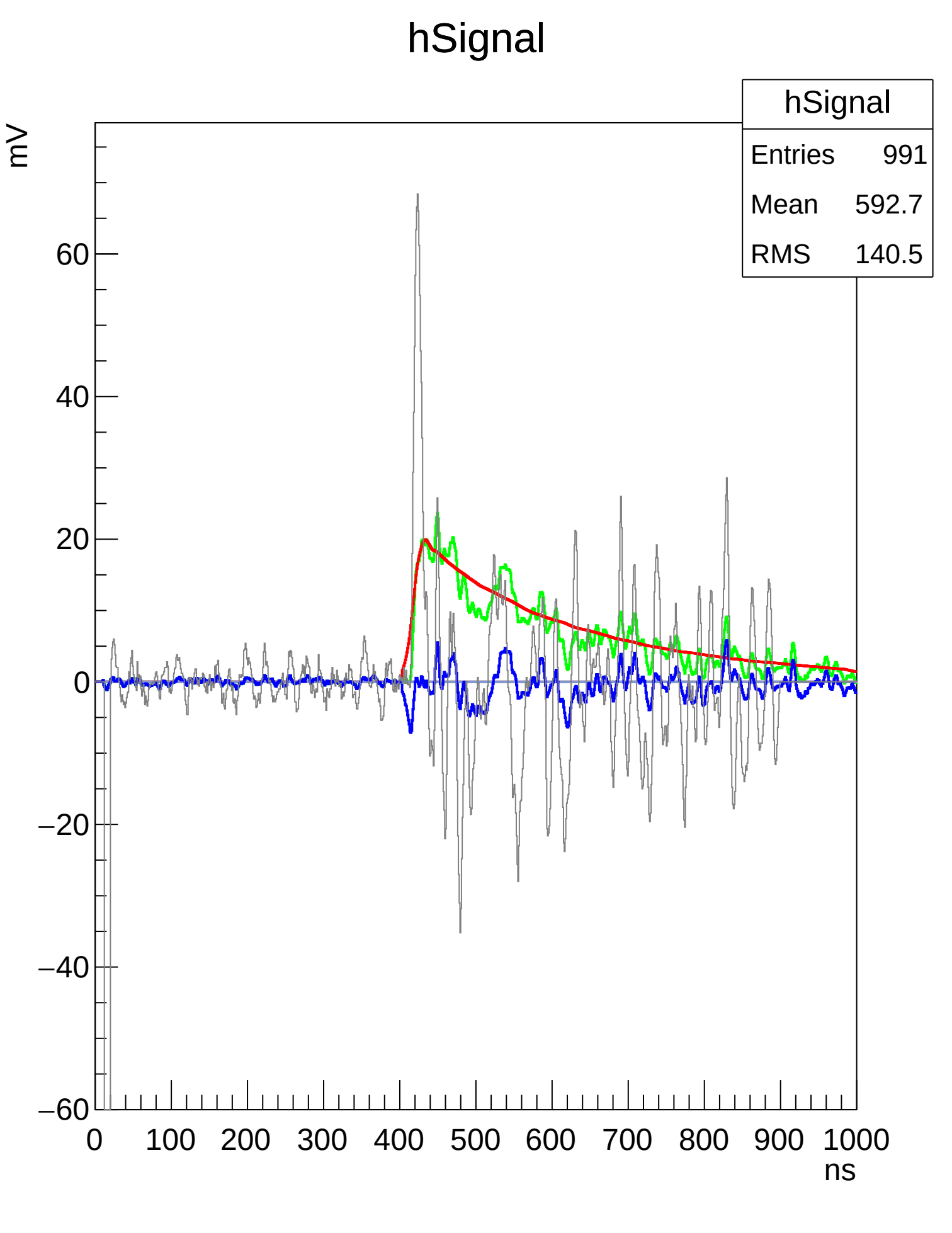
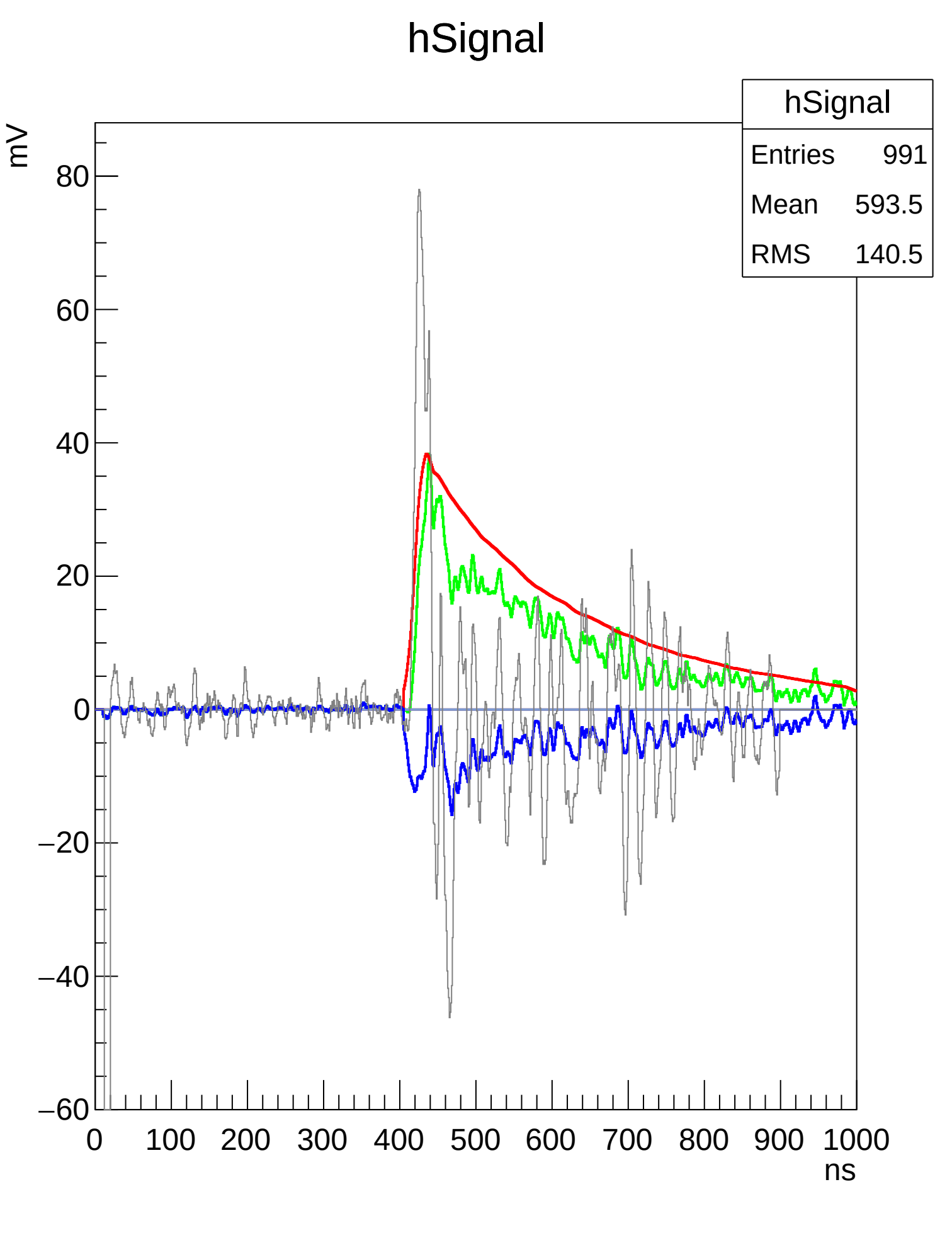
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.7
RMS 140.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.5
RMS 140.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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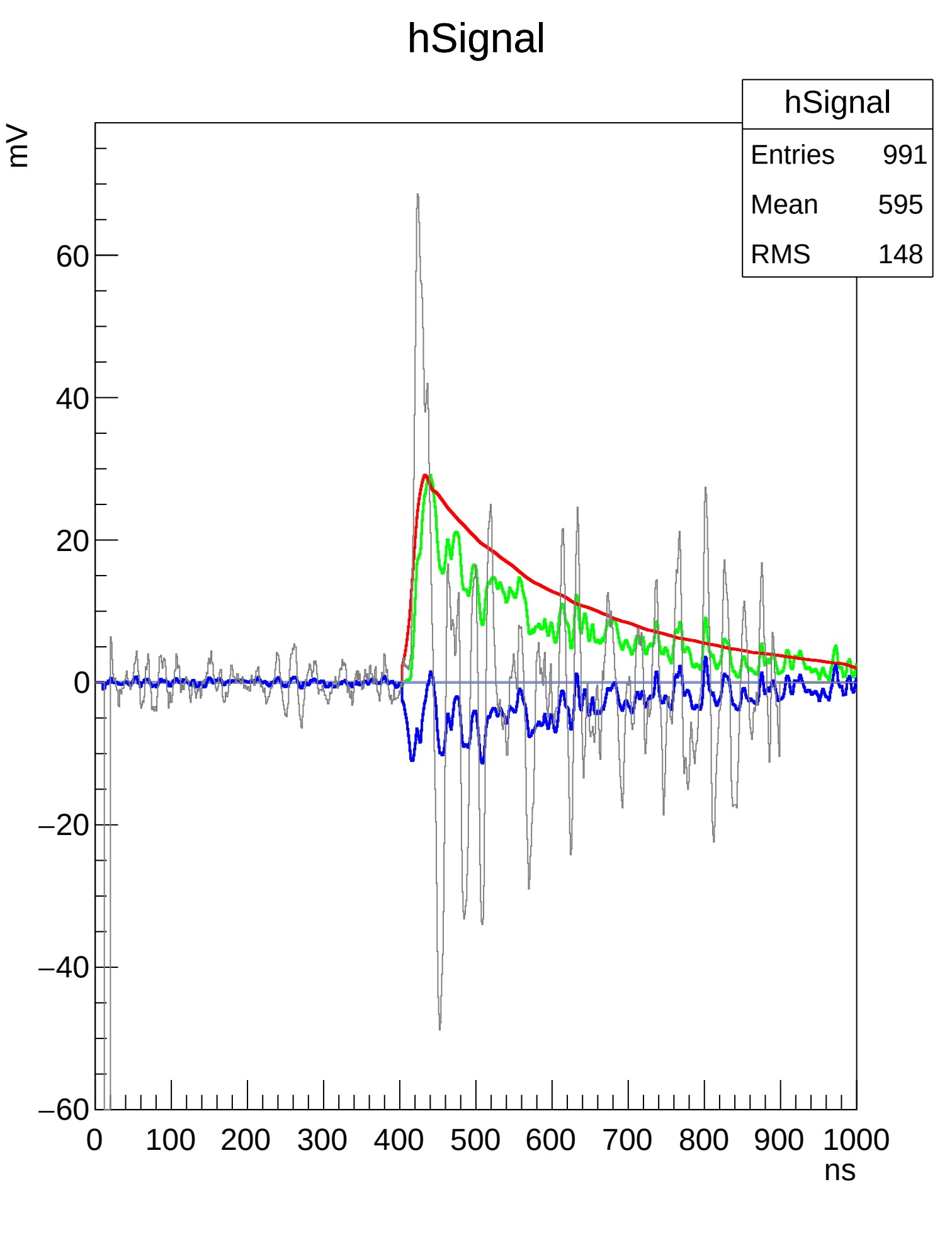
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595
RMS 148
mV
60
40
20
0
−20
−40
−60
0
100
200
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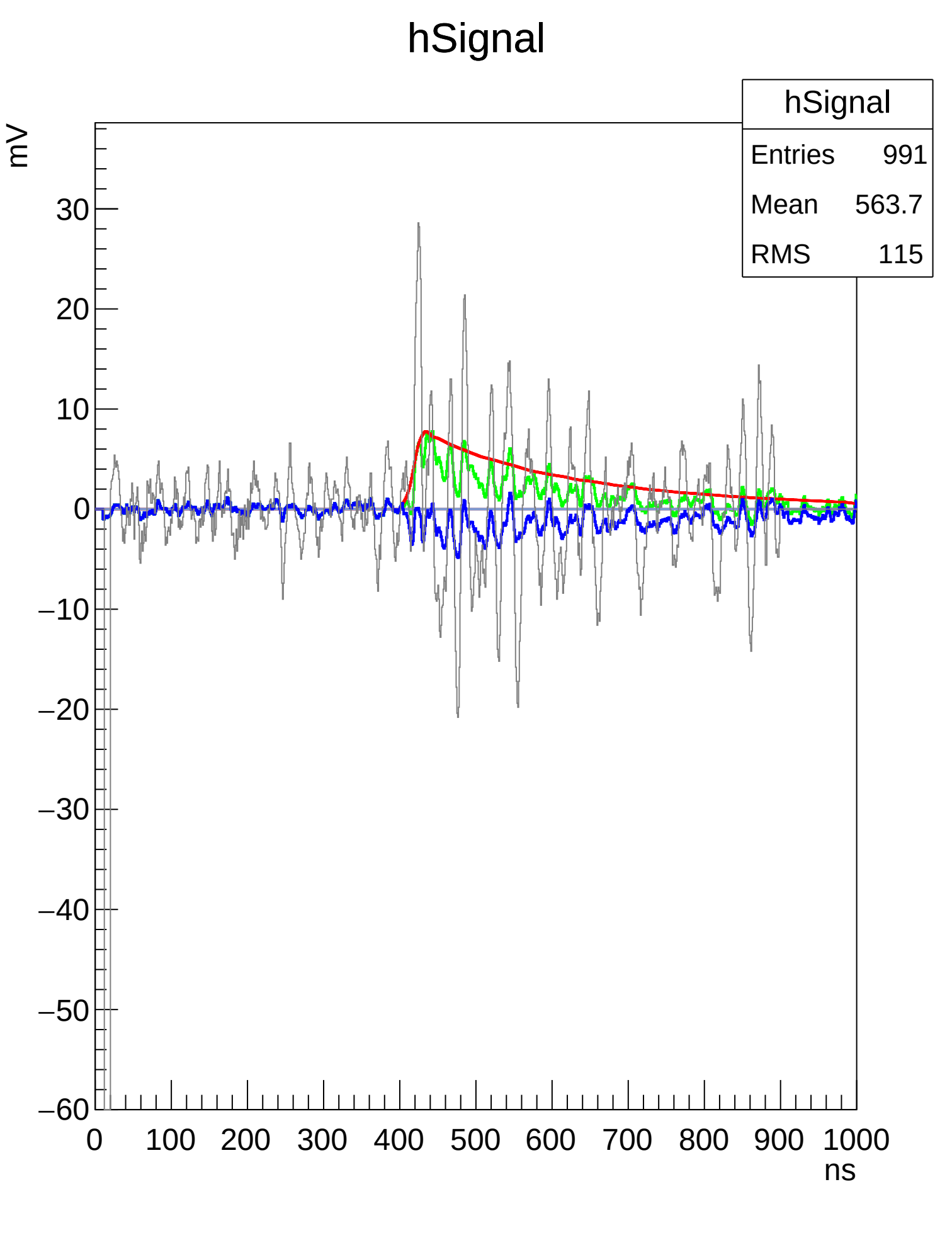
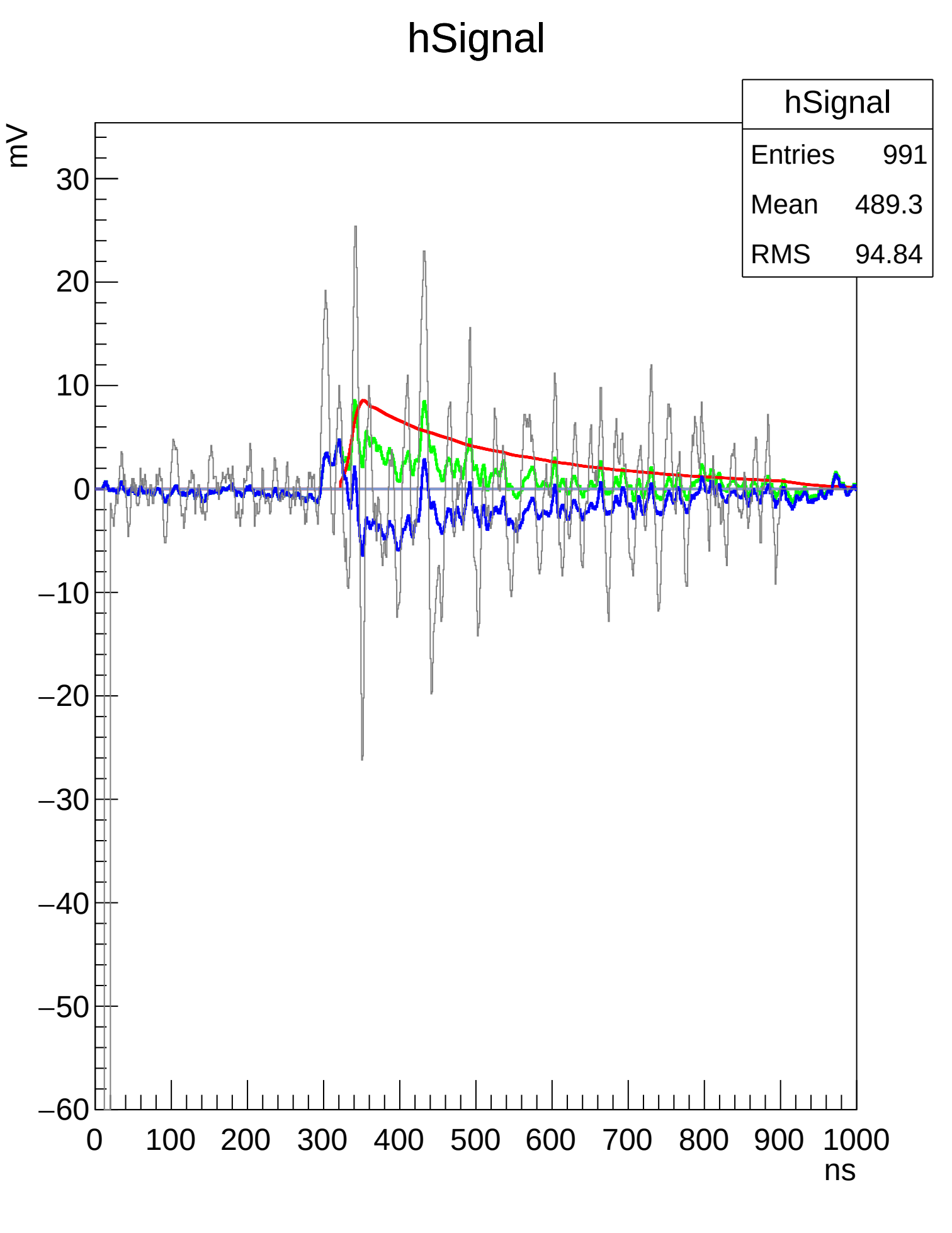
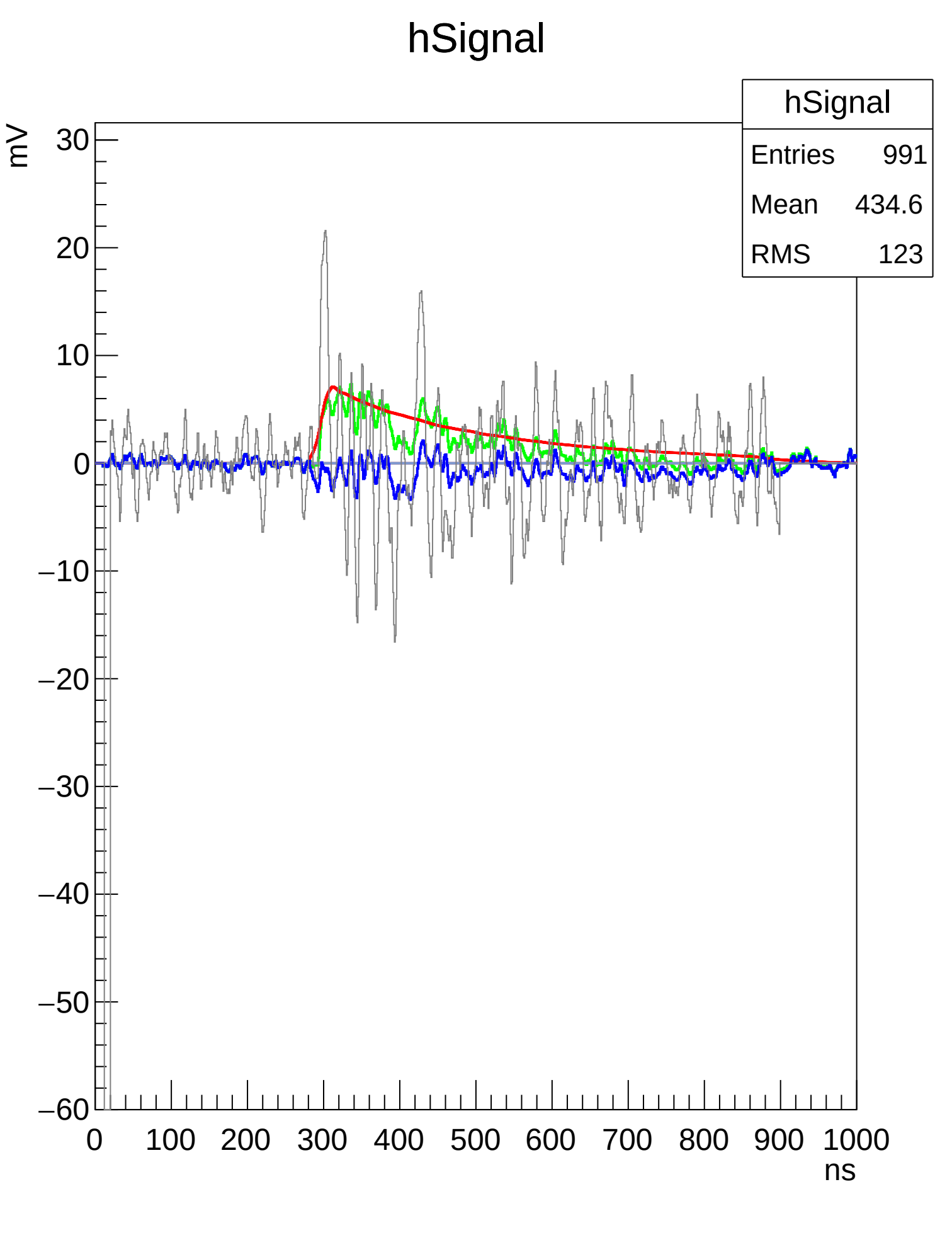
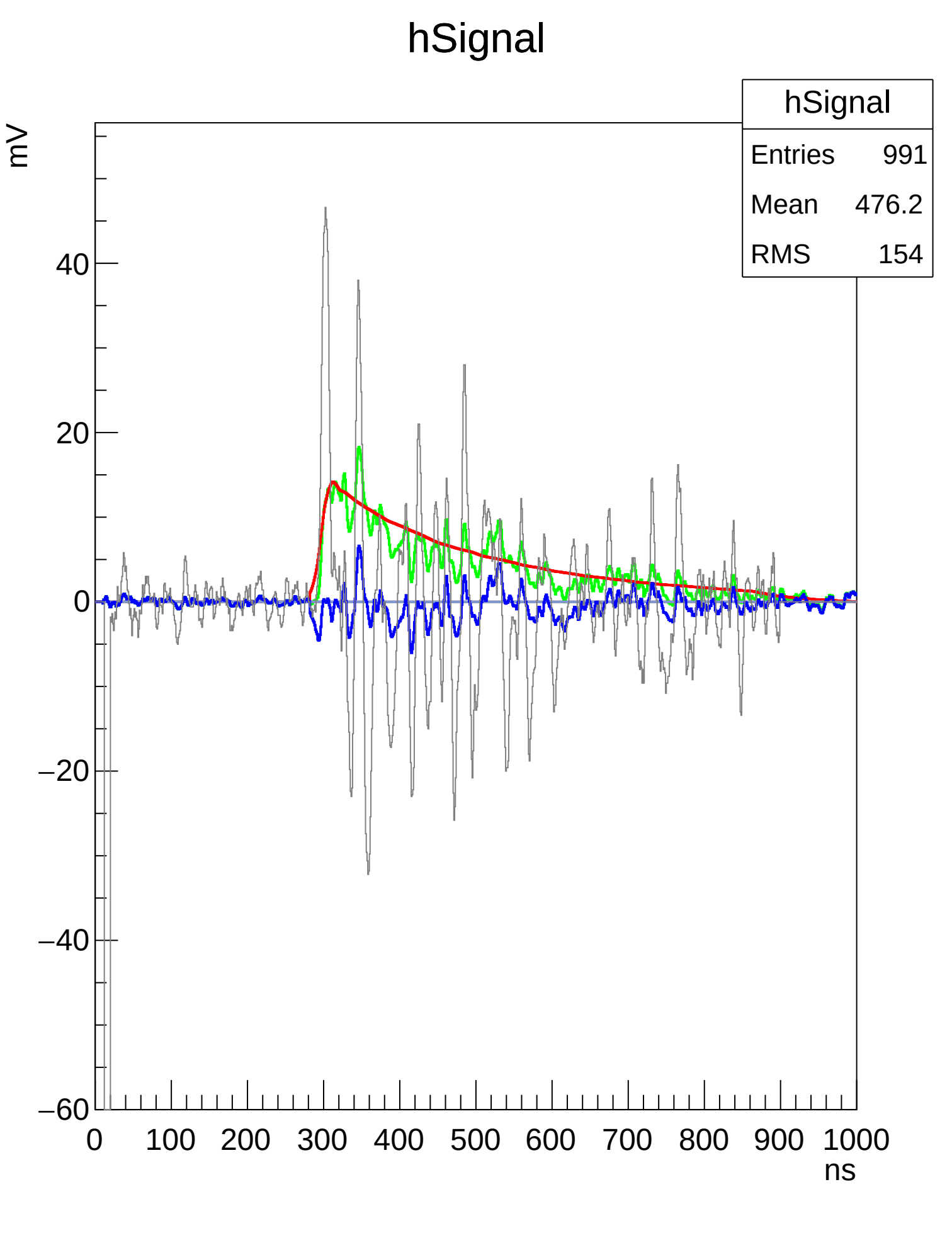
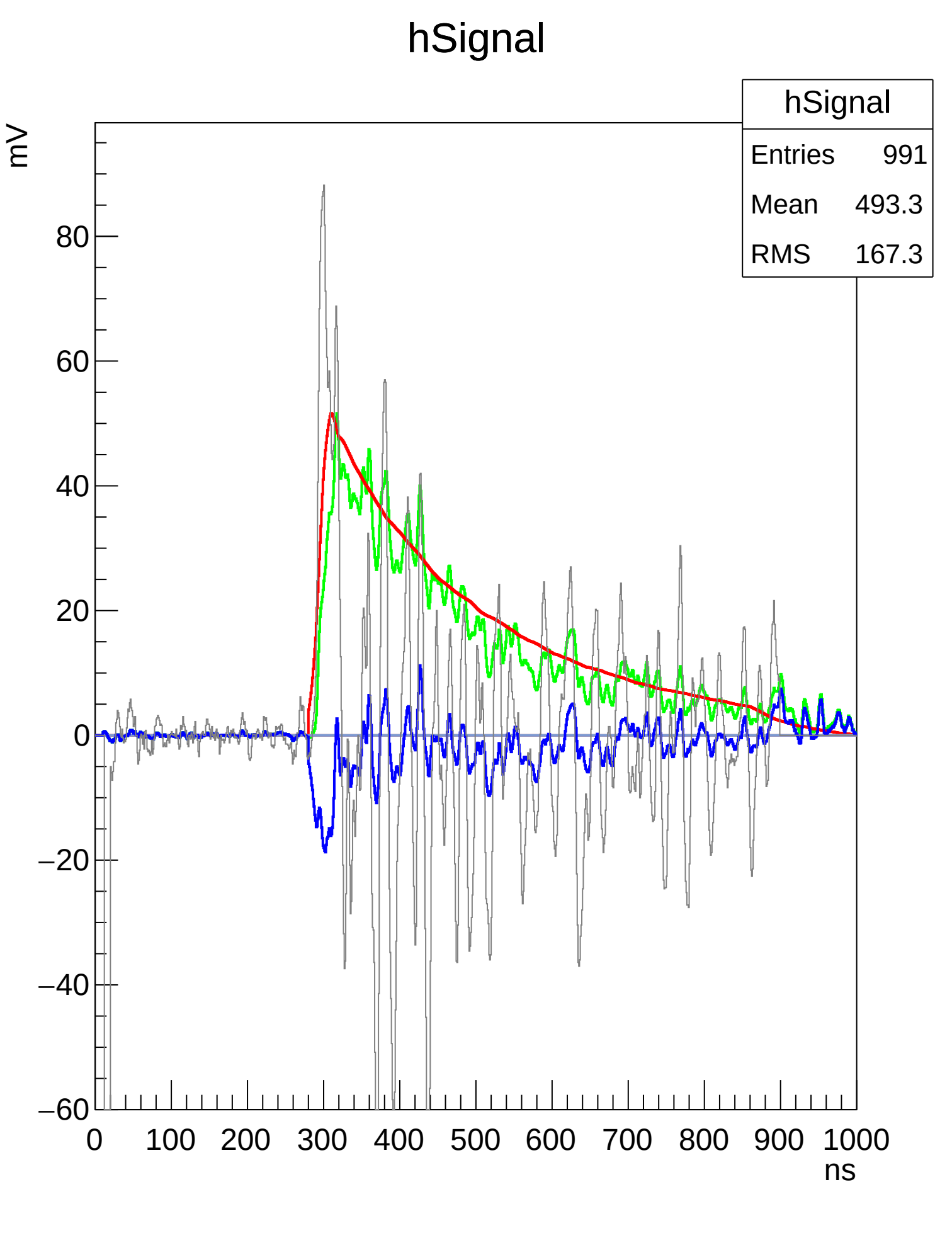
400
500
600
700
800
900
1000
ns

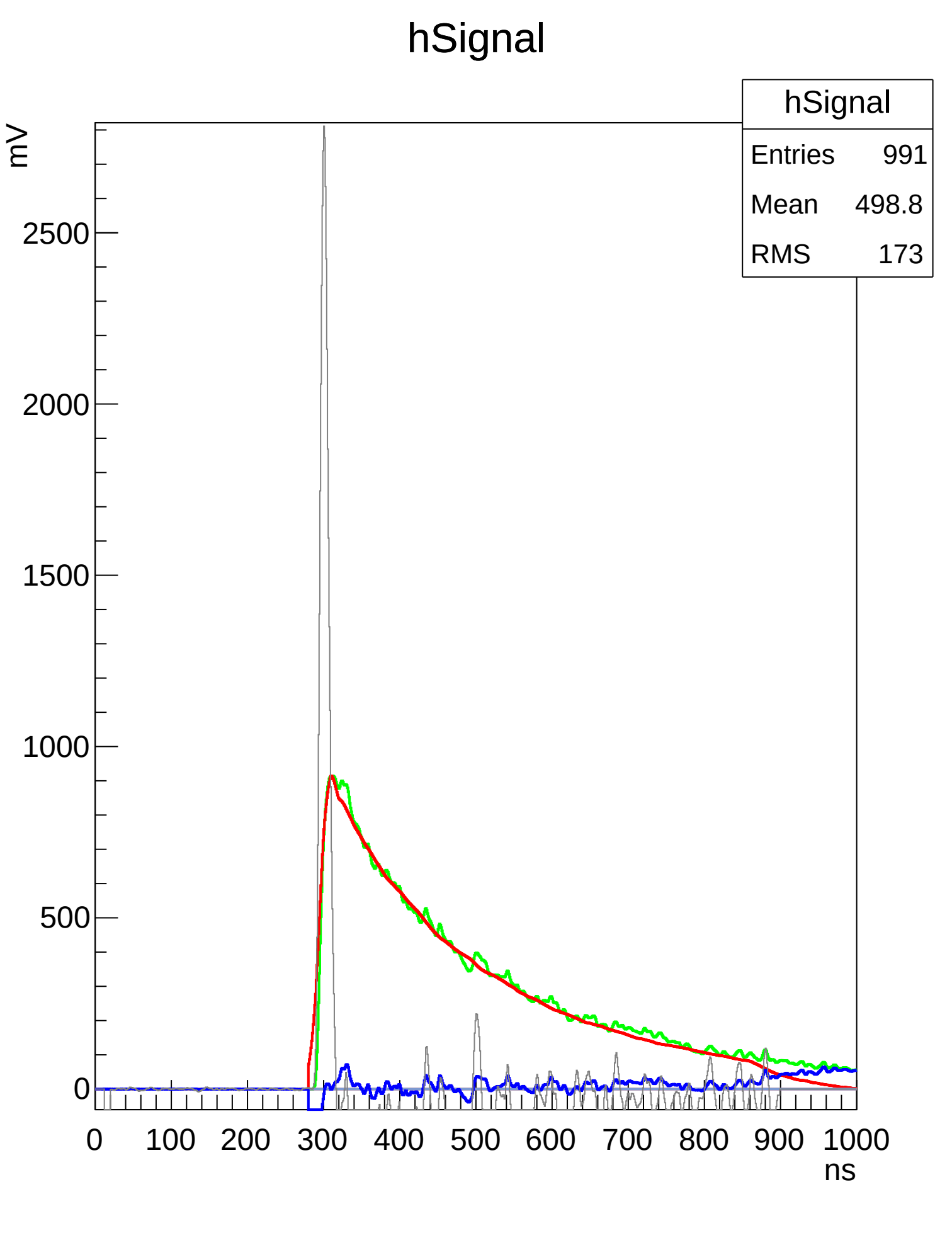

hSignal
hSignal
Entries 991
Mean 563.7
RMS 115
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

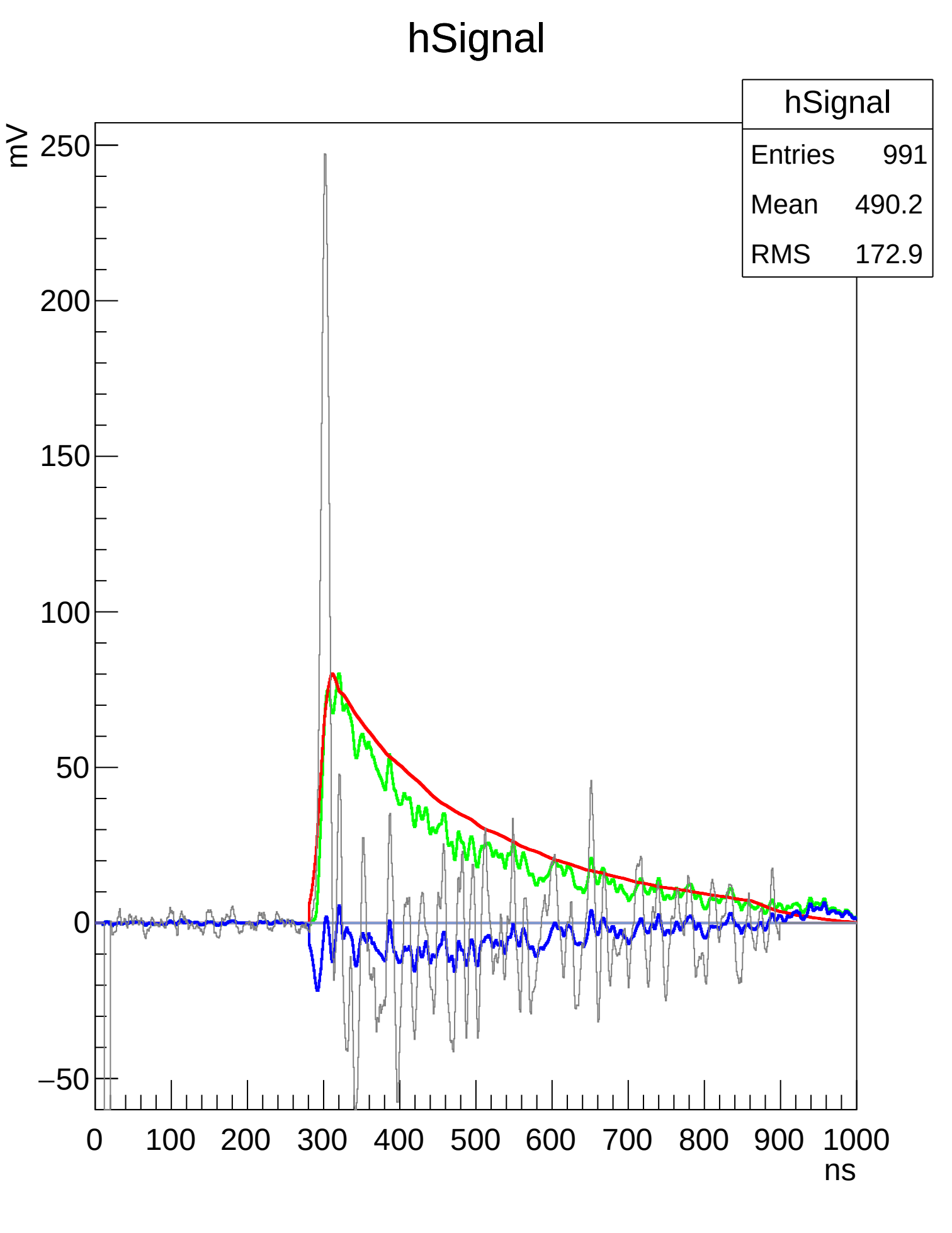

hSignal
hSignal
Entries 991
Mean 489.3
RMS 94.84
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

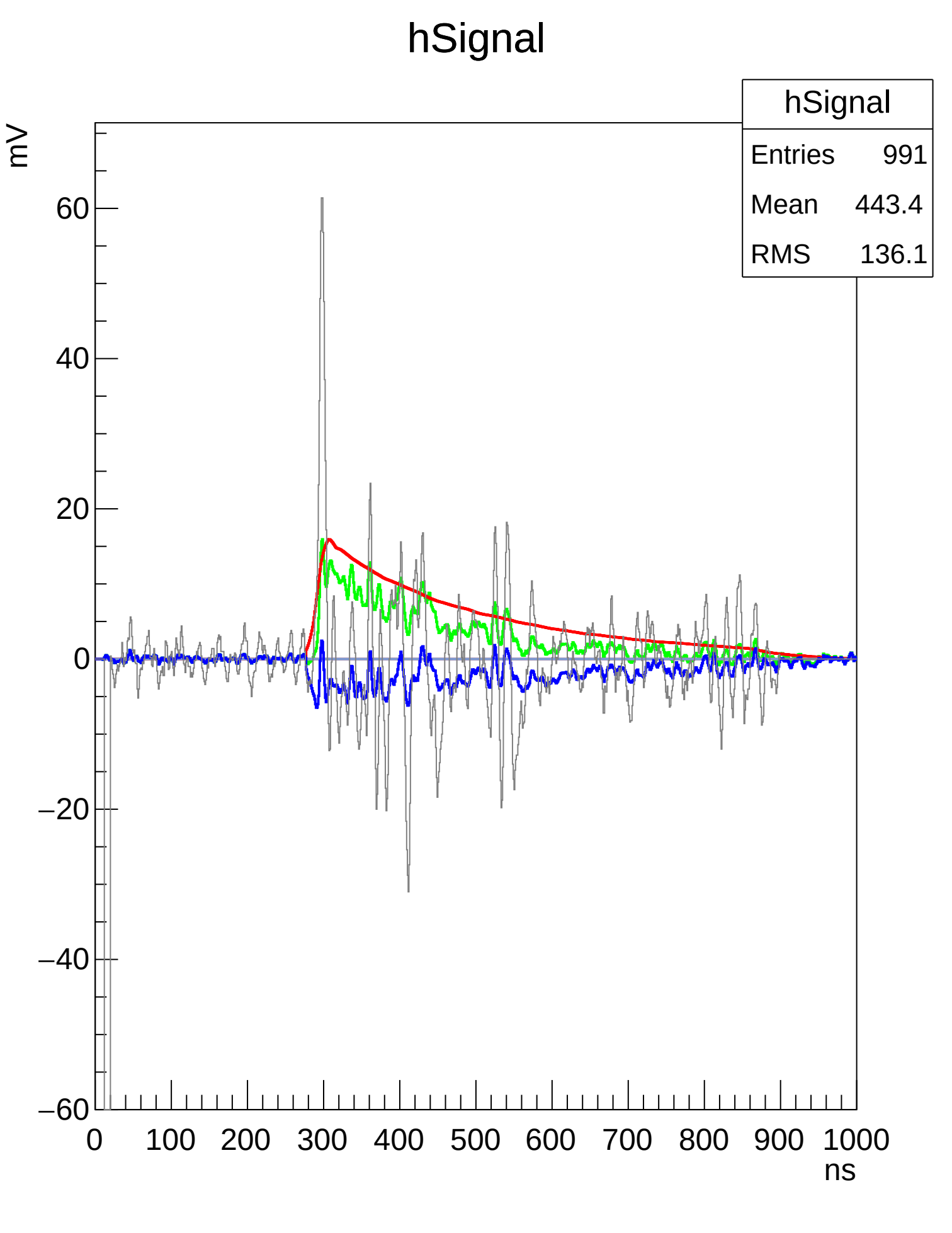

hSignal
hSignal
Entries 991
Mean 434.6
RMS 123
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

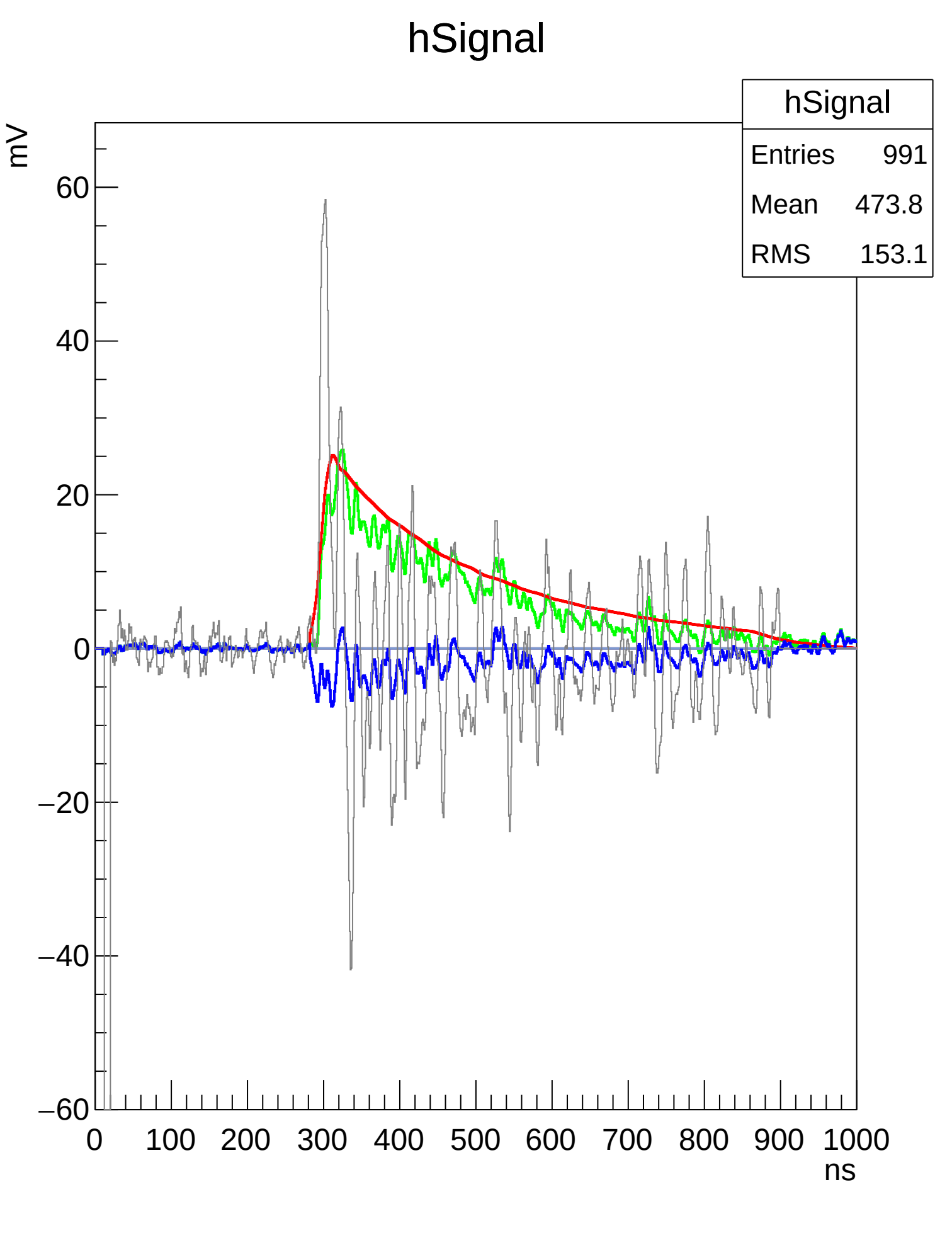

hSignal
hSignal
Entries 991
Mean 476.2
RMS 154
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

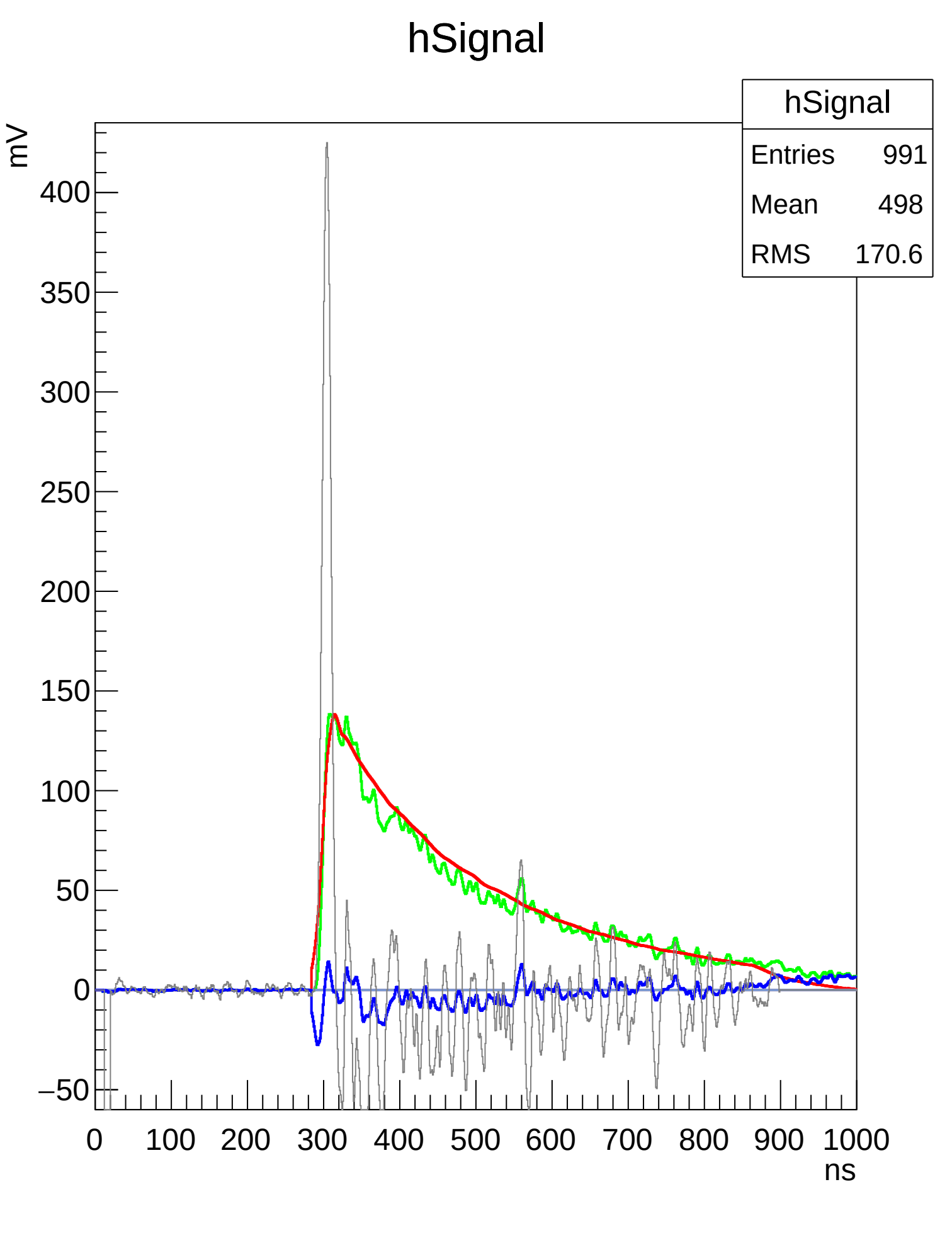

hSignal
hSignal
Entries 991
Mean 493.3
RMS 167.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

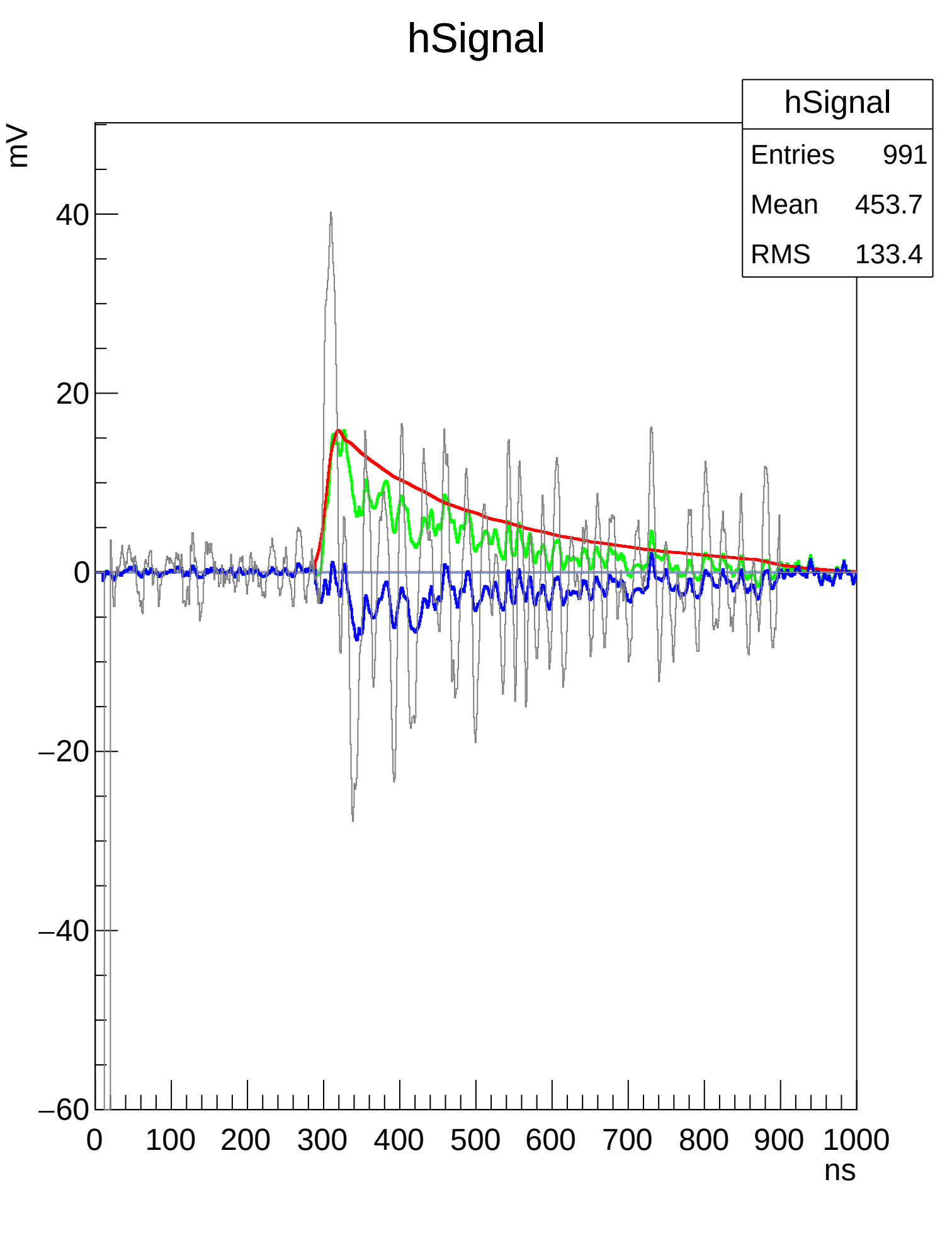

hSignal
hSignal
Entries 991
Mean 498.8
RMS 173
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.2
RMS 172.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 443.4
RMS 136.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 473.8
RMS 153.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498
RMS 170.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 453.7
RMS 133.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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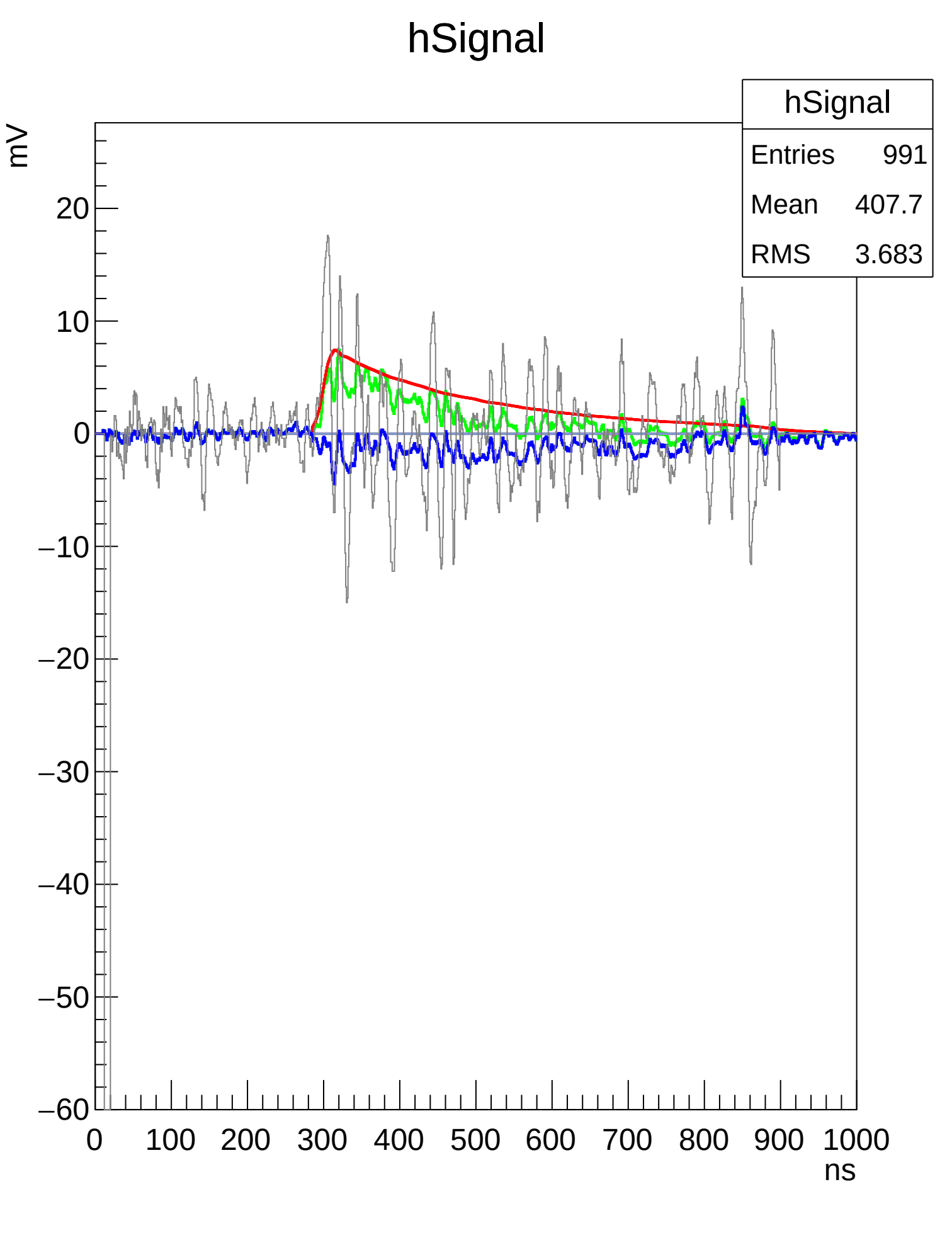
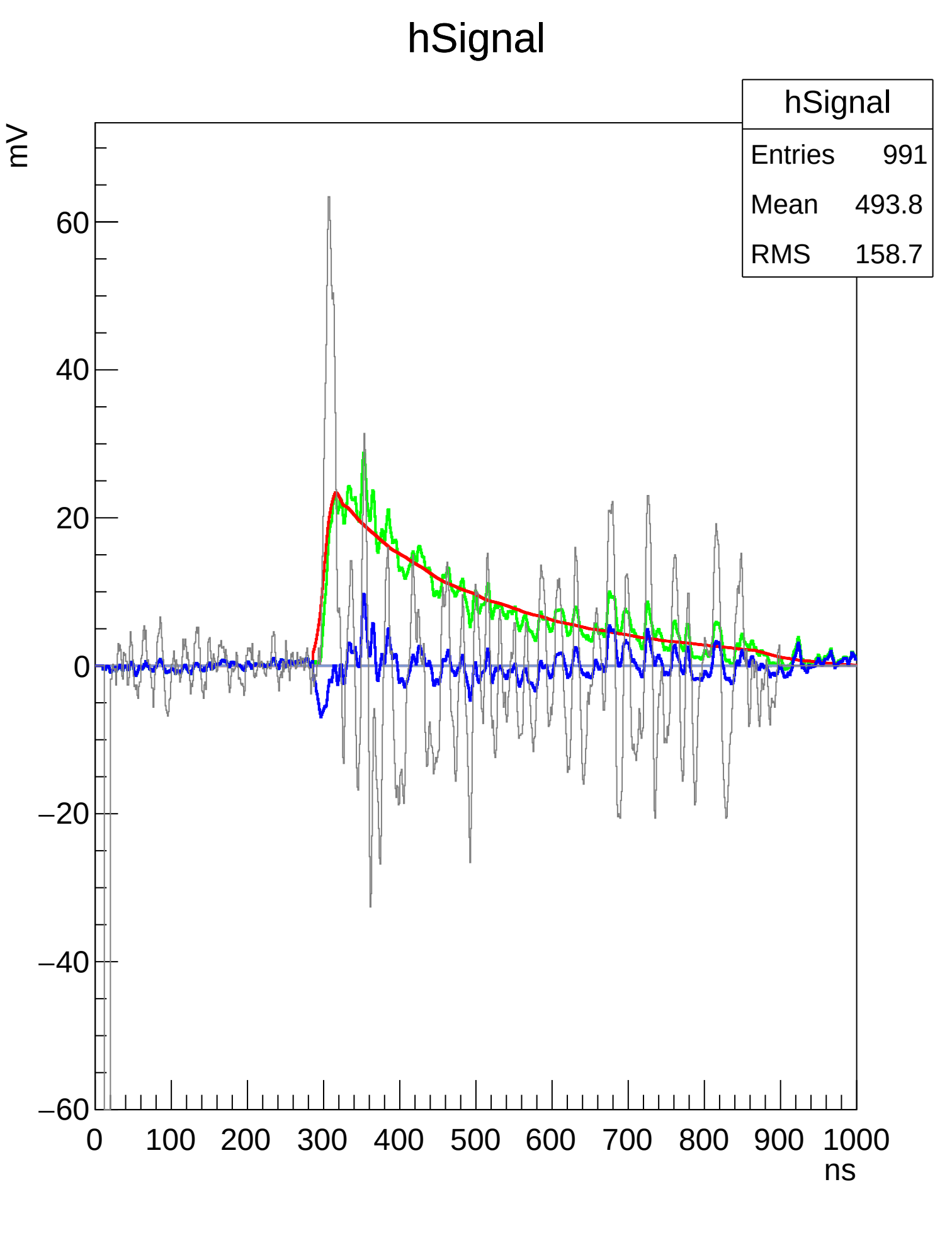
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 407.7
RMS 3.683
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.8
RMS 158.7
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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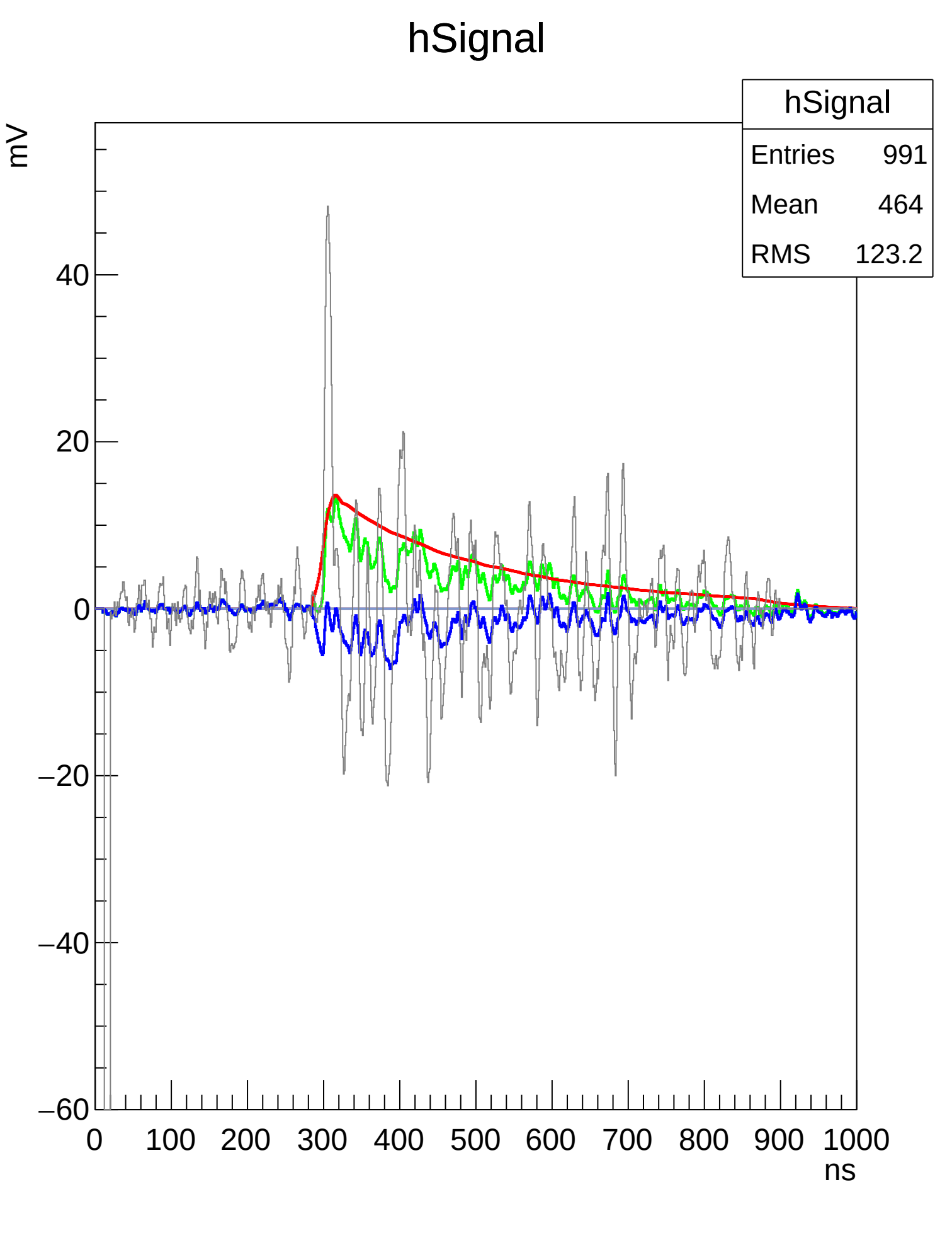
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 464
RMS 123.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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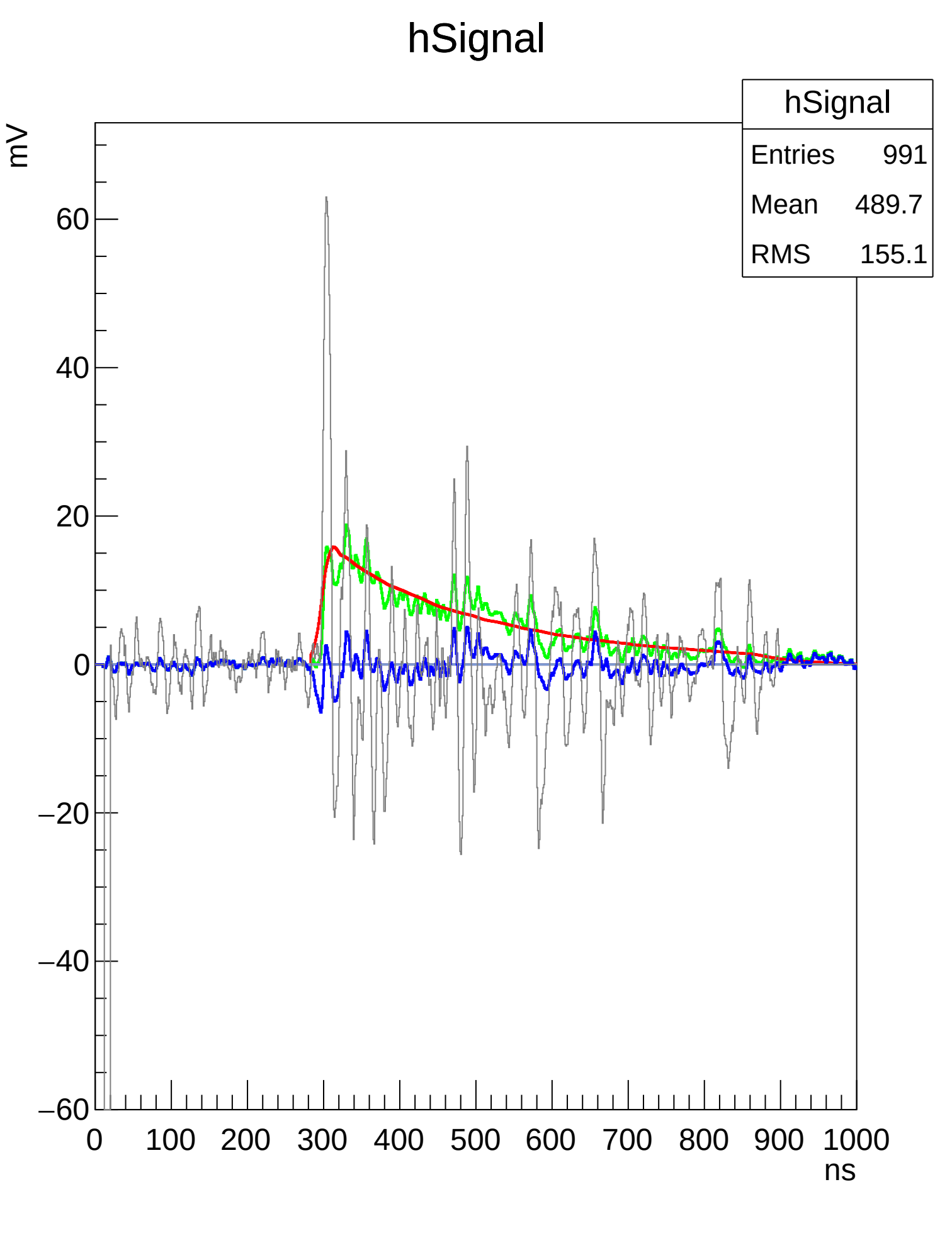
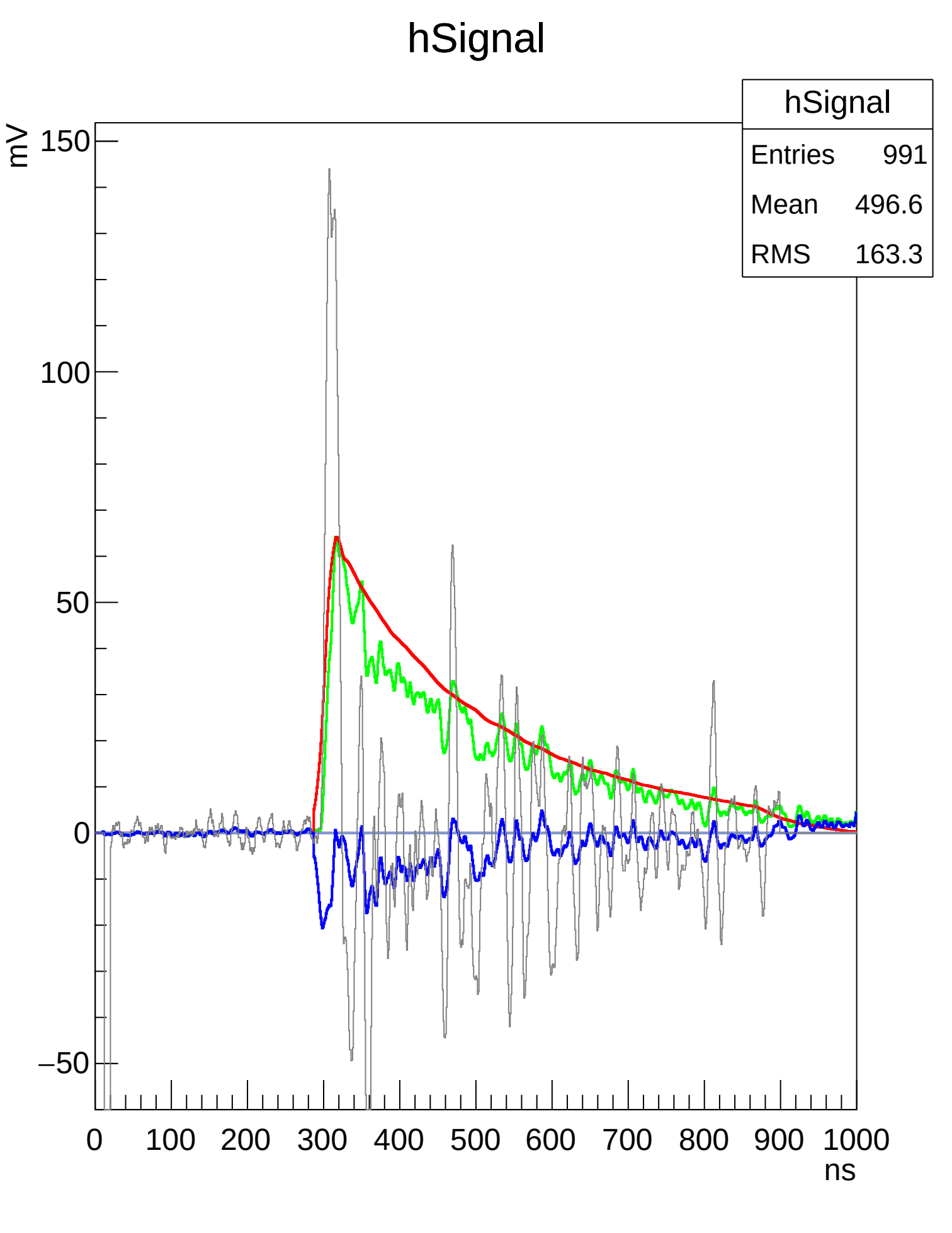
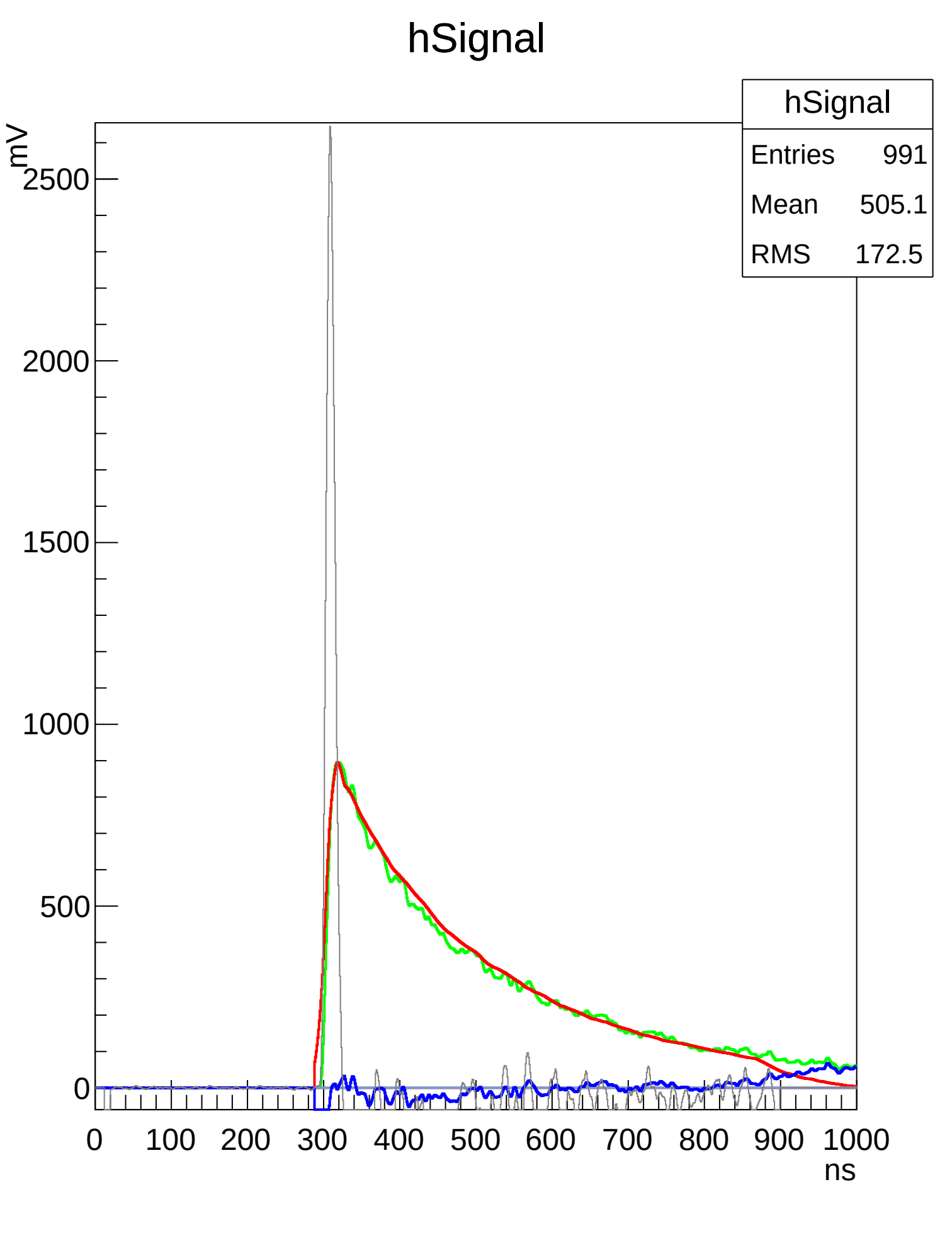
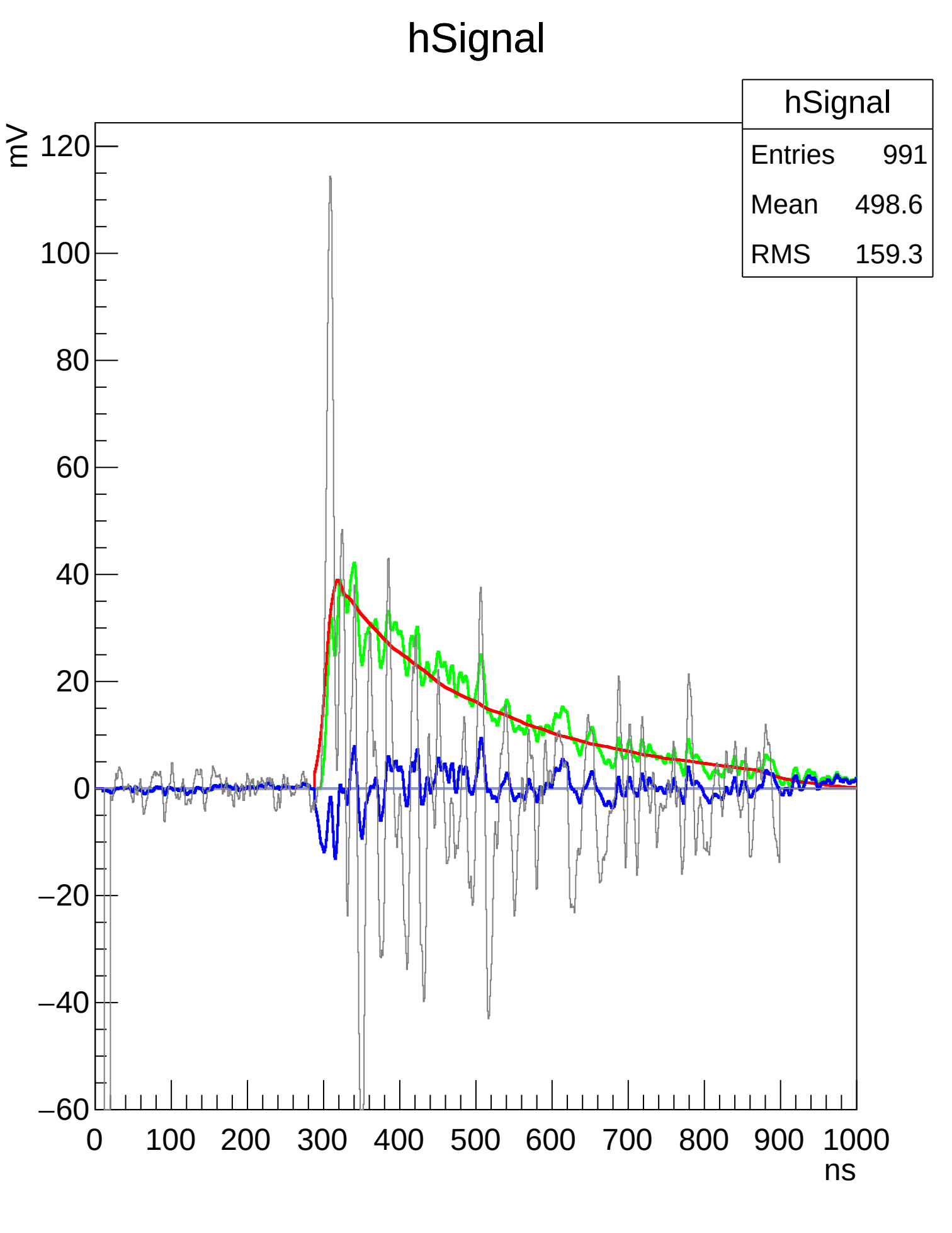
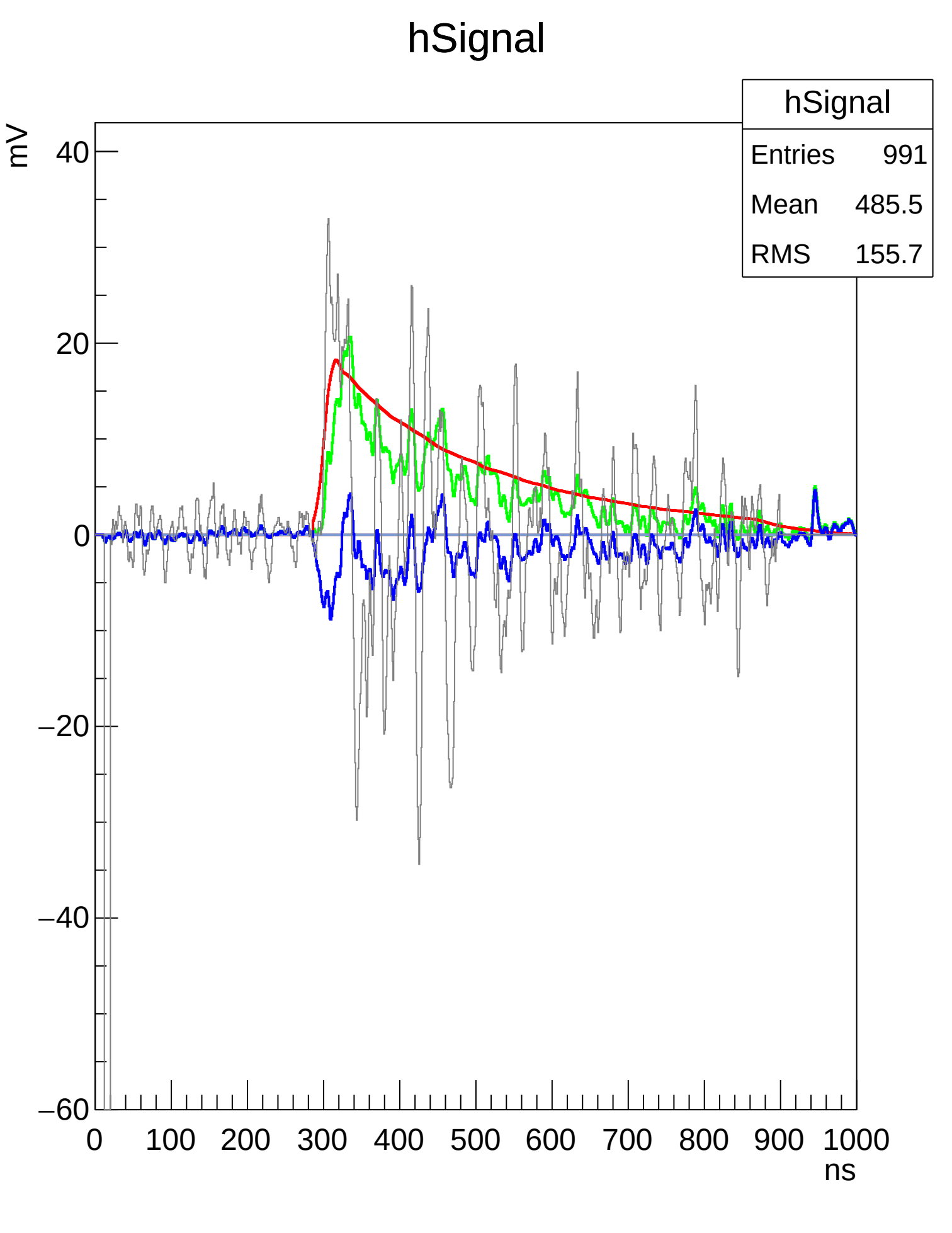
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.7
RMS 155.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496.6
RMS 163.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.1
RMS 172.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.6
RMS 159.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485.5
RMS 155.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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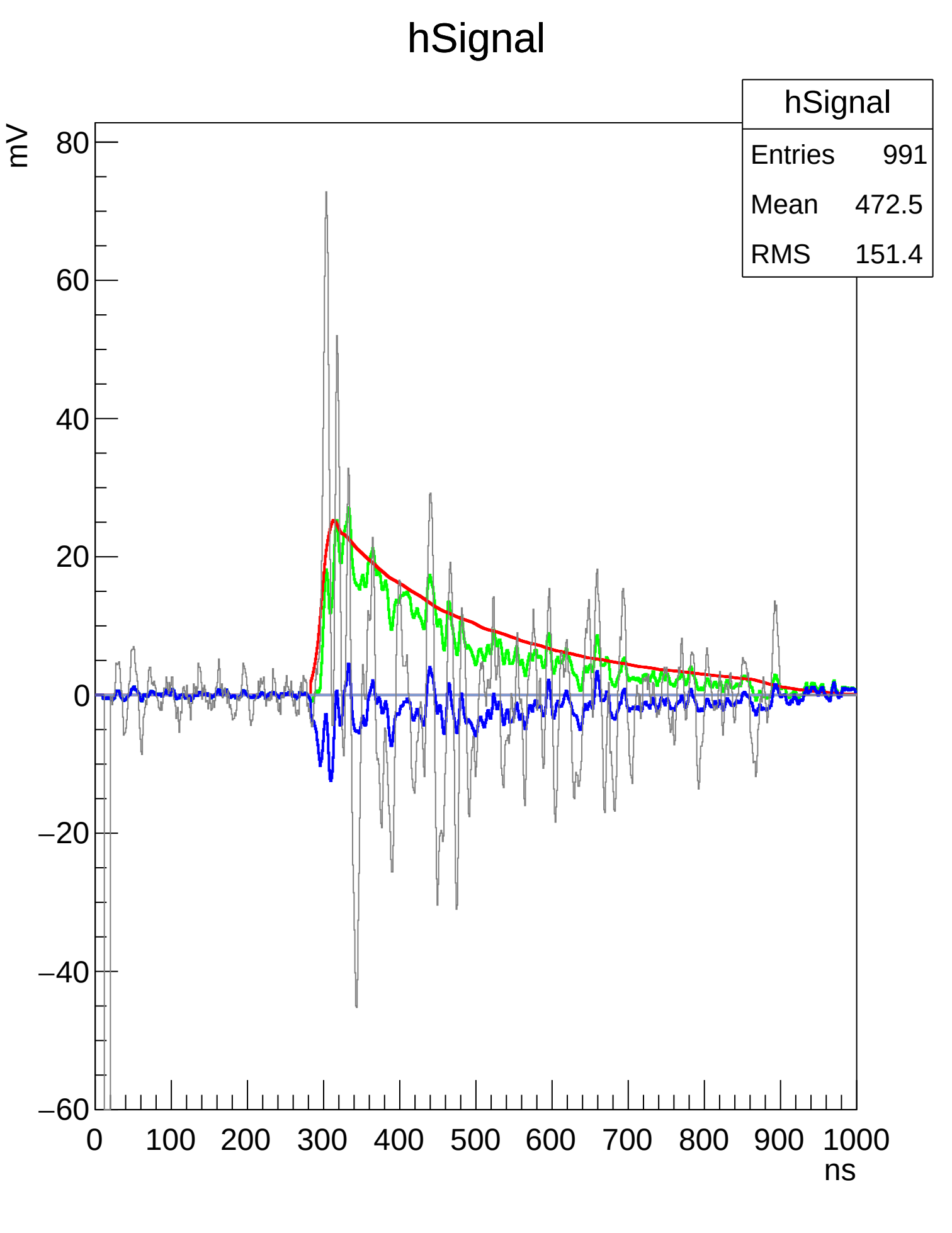
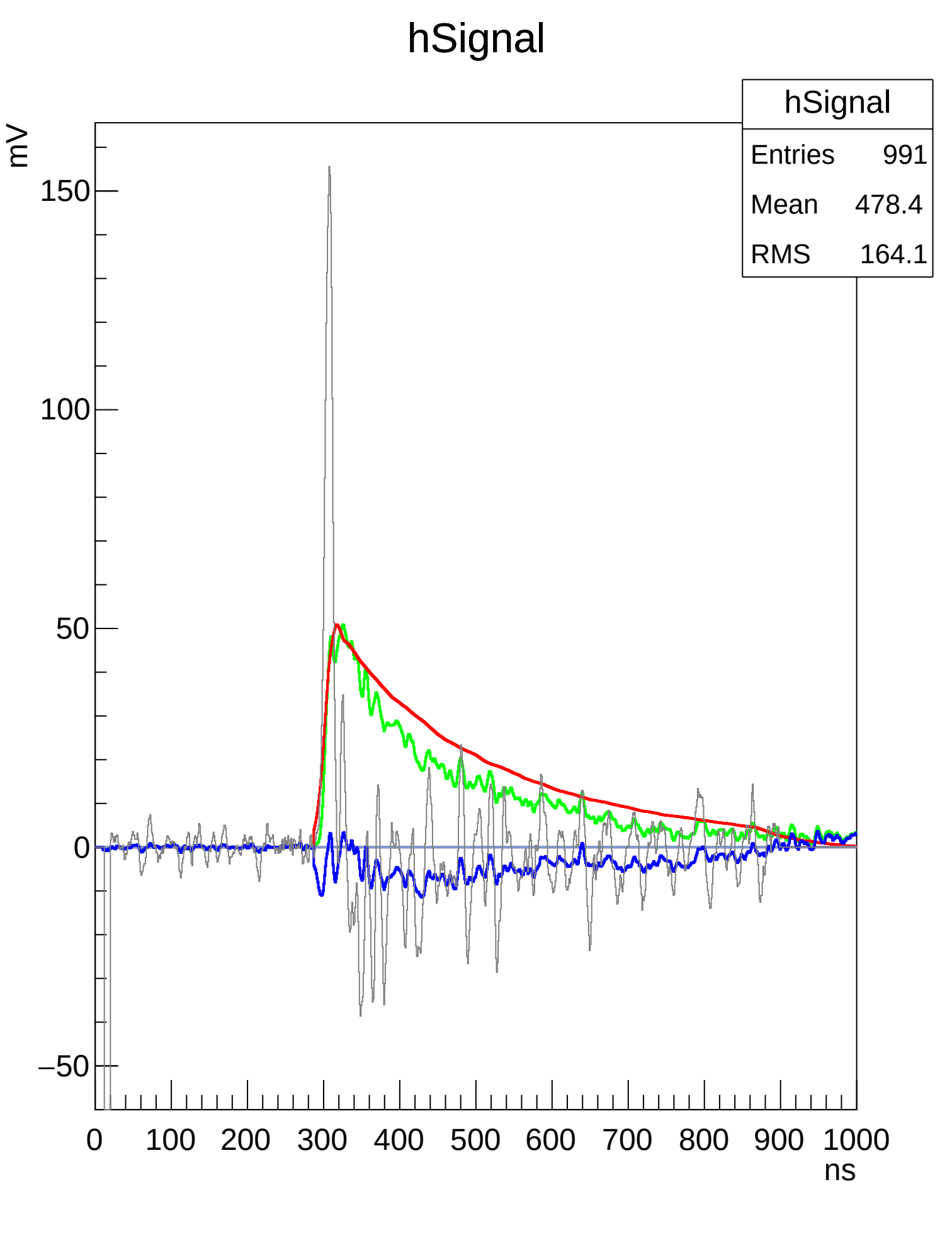
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 472.5
RMS 151.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 478.4
RMS 164.1
mV
150
100
50
0
−50
0
100
200
300
400
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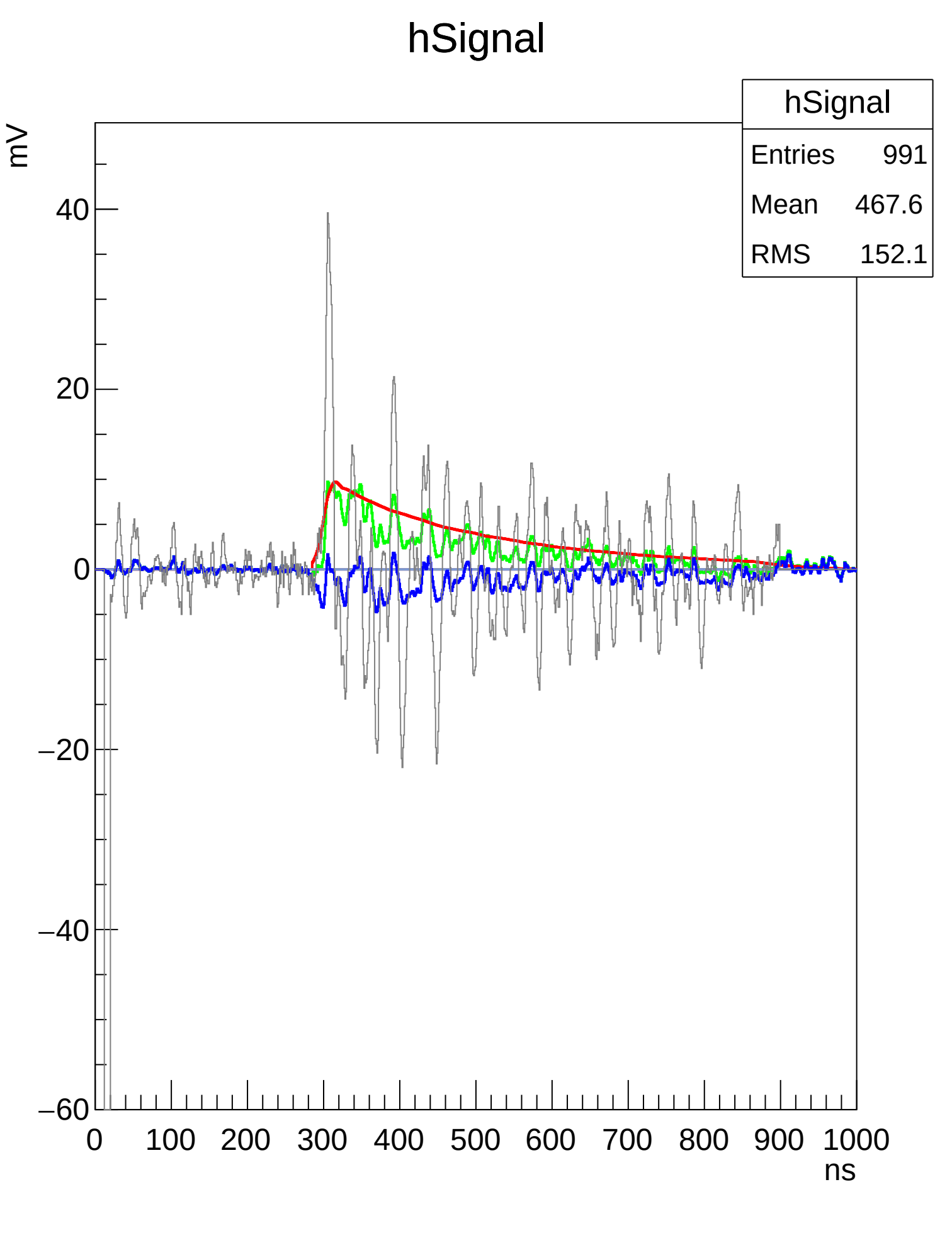
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 467.6
RMS 152.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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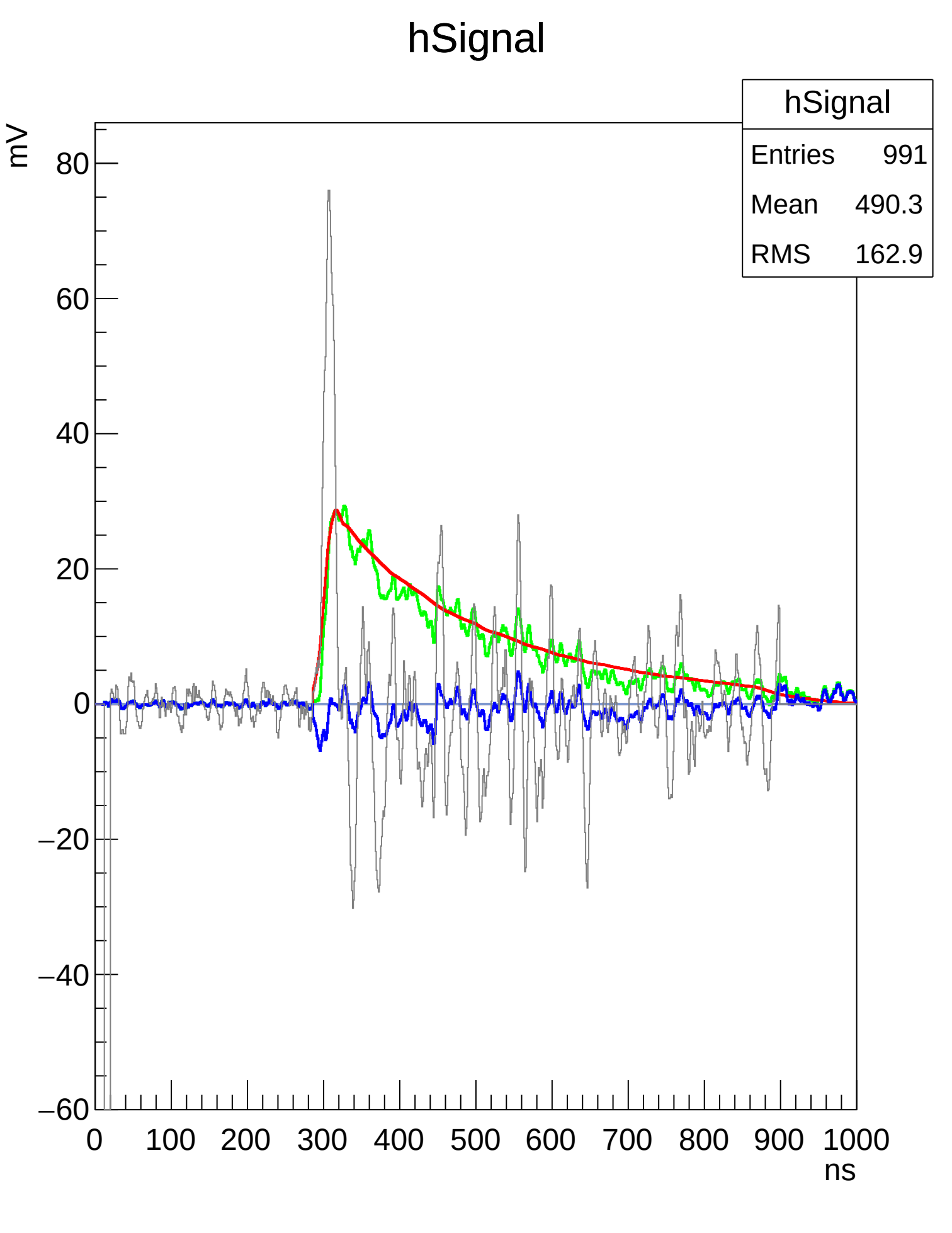
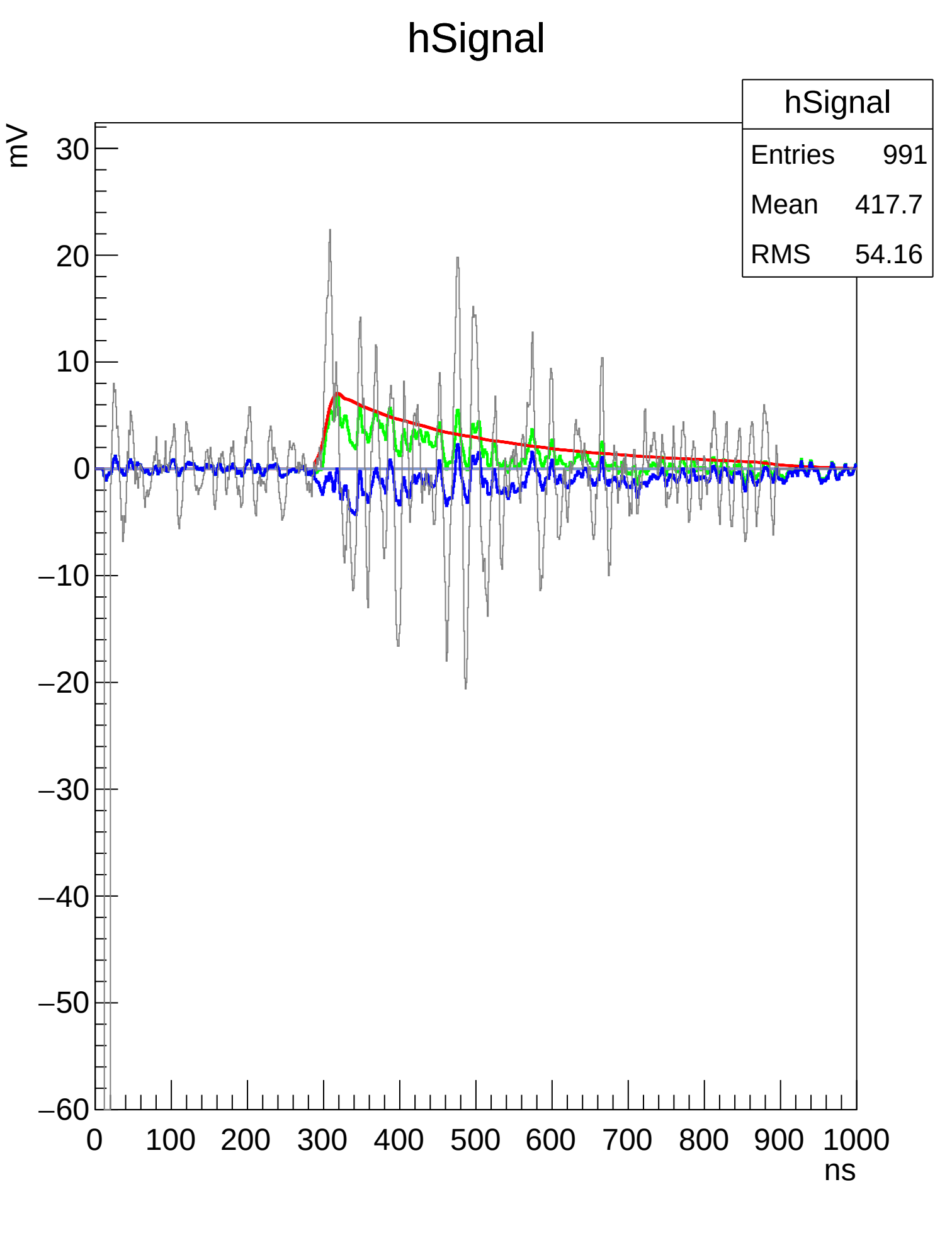
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.3
RMS 162.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 417.7
RMS 54.16
mV
30
20
10
0
−10
−20
−30
−40
−50
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0
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200
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400
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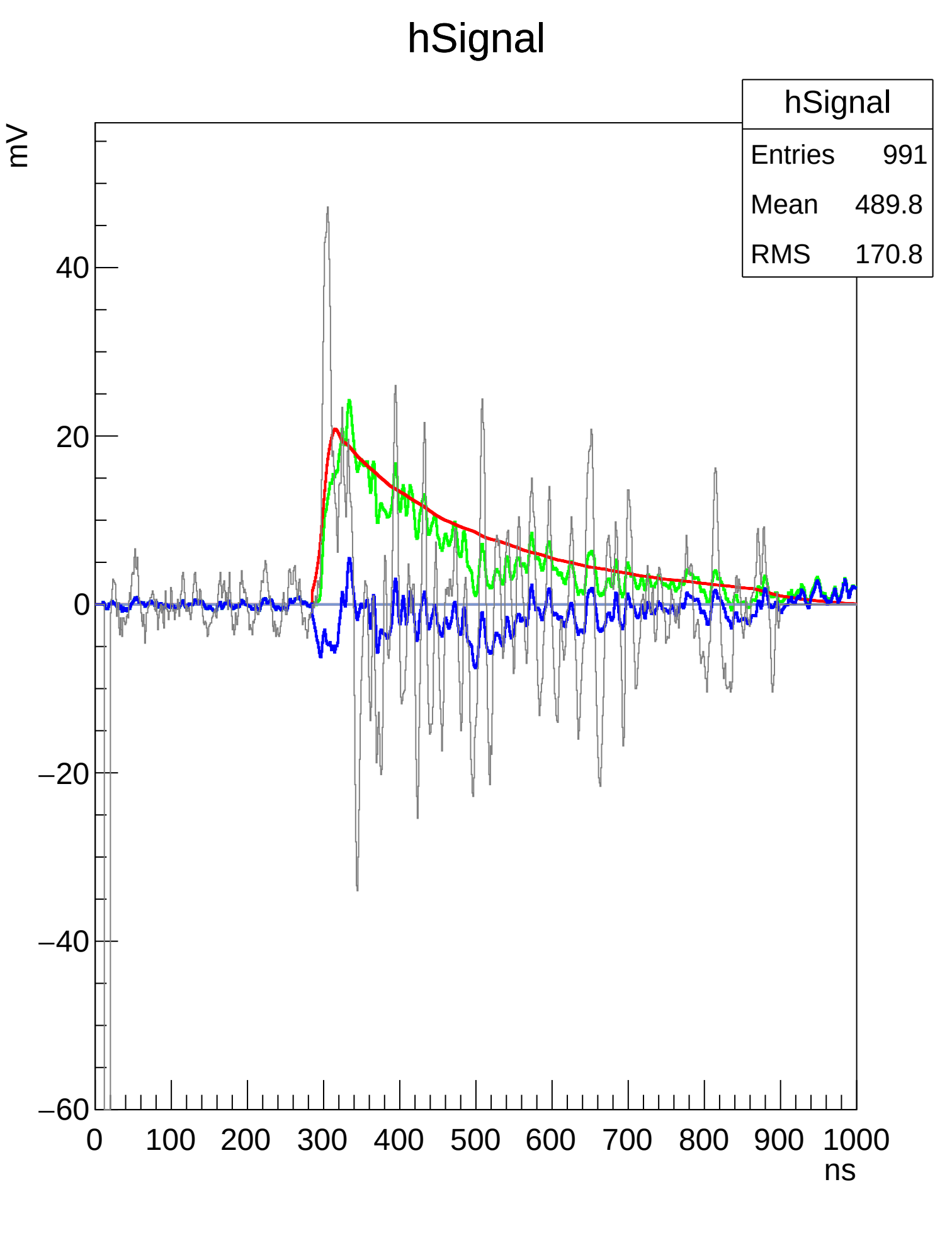
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.8
RMS 170.8
mV
40
20
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−20
−40
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0
100
200
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400
500
600
700
800
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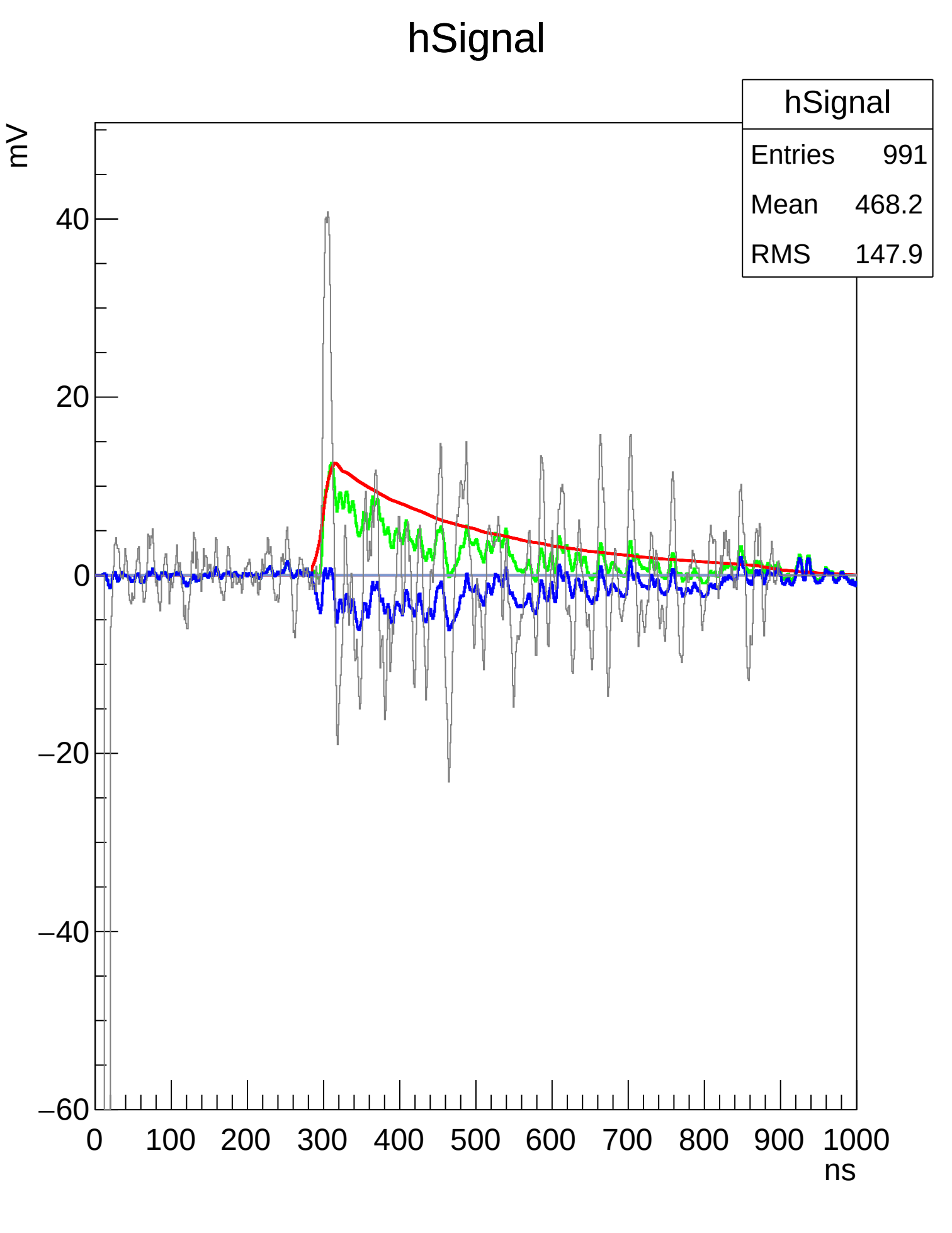
1000
ns


hSignal
hSignal
Entries 991
Mean 468.2
RMS 147.9
mV
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0
−20
−40
−60
0
100
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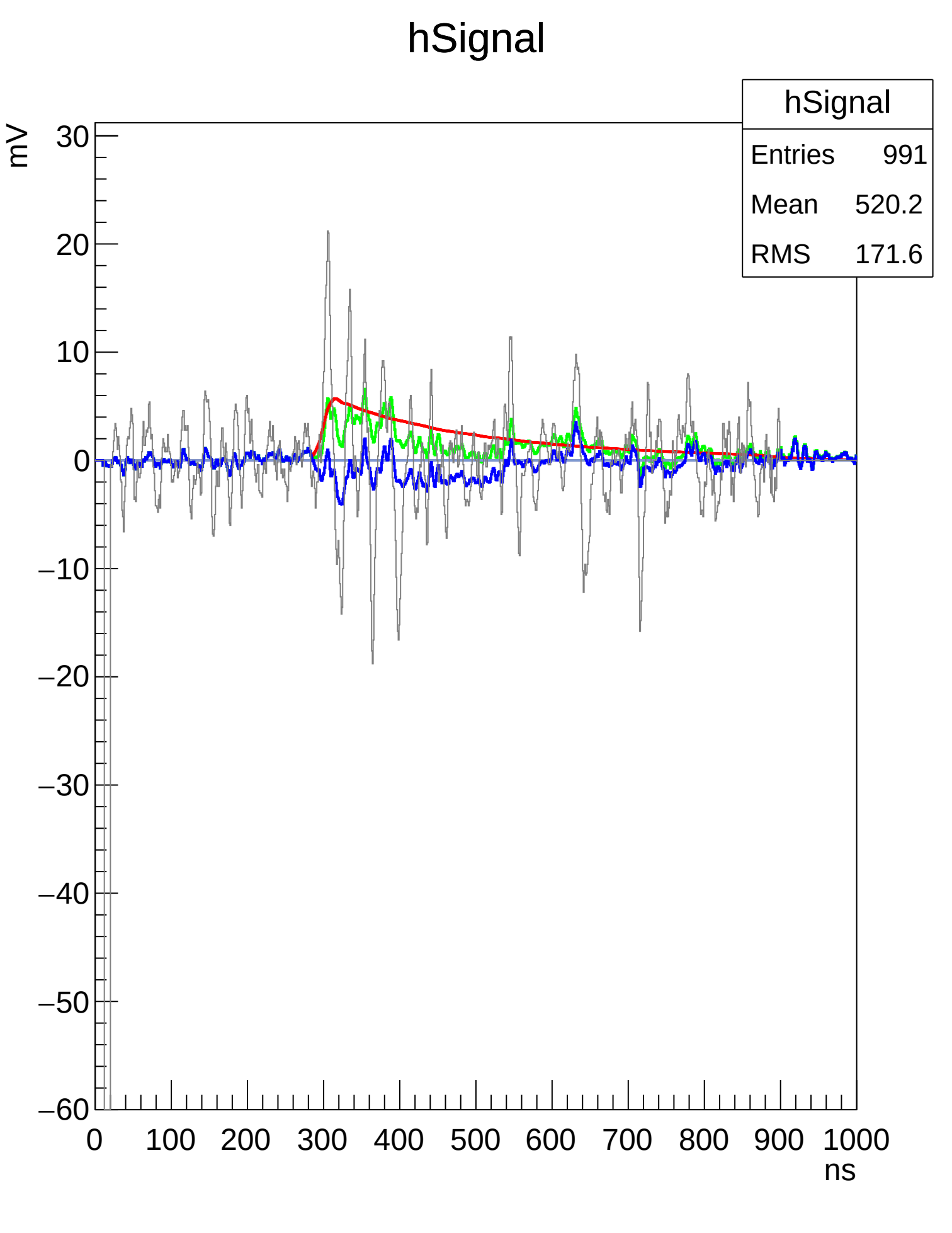
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.2
RMS 171.6
mV
30
20
10
0
−10
−20
−30
−40
−50
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0
100
200
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400
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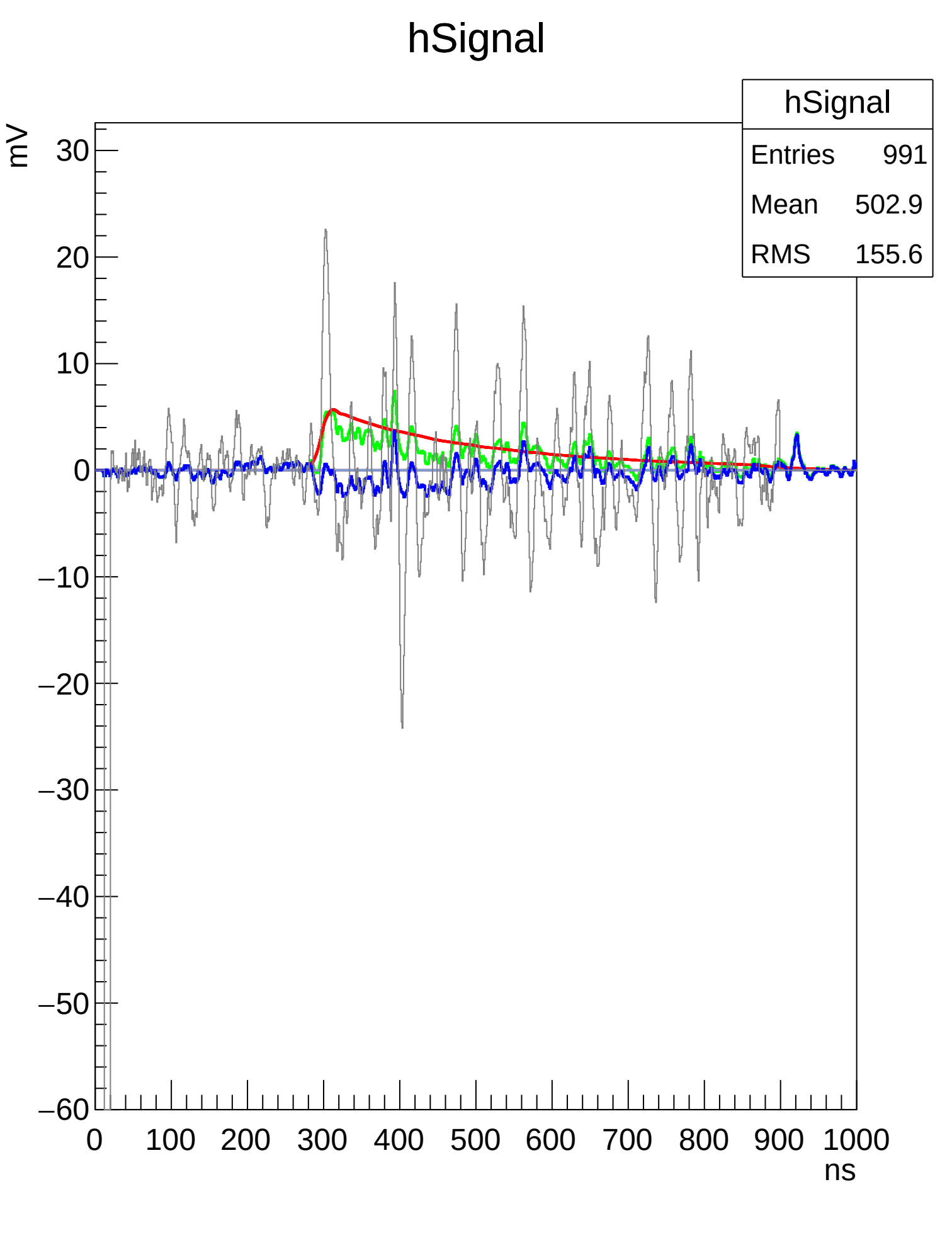
hSignal
hSignal
Entries 991
Mean 502.9
RMS 155.6
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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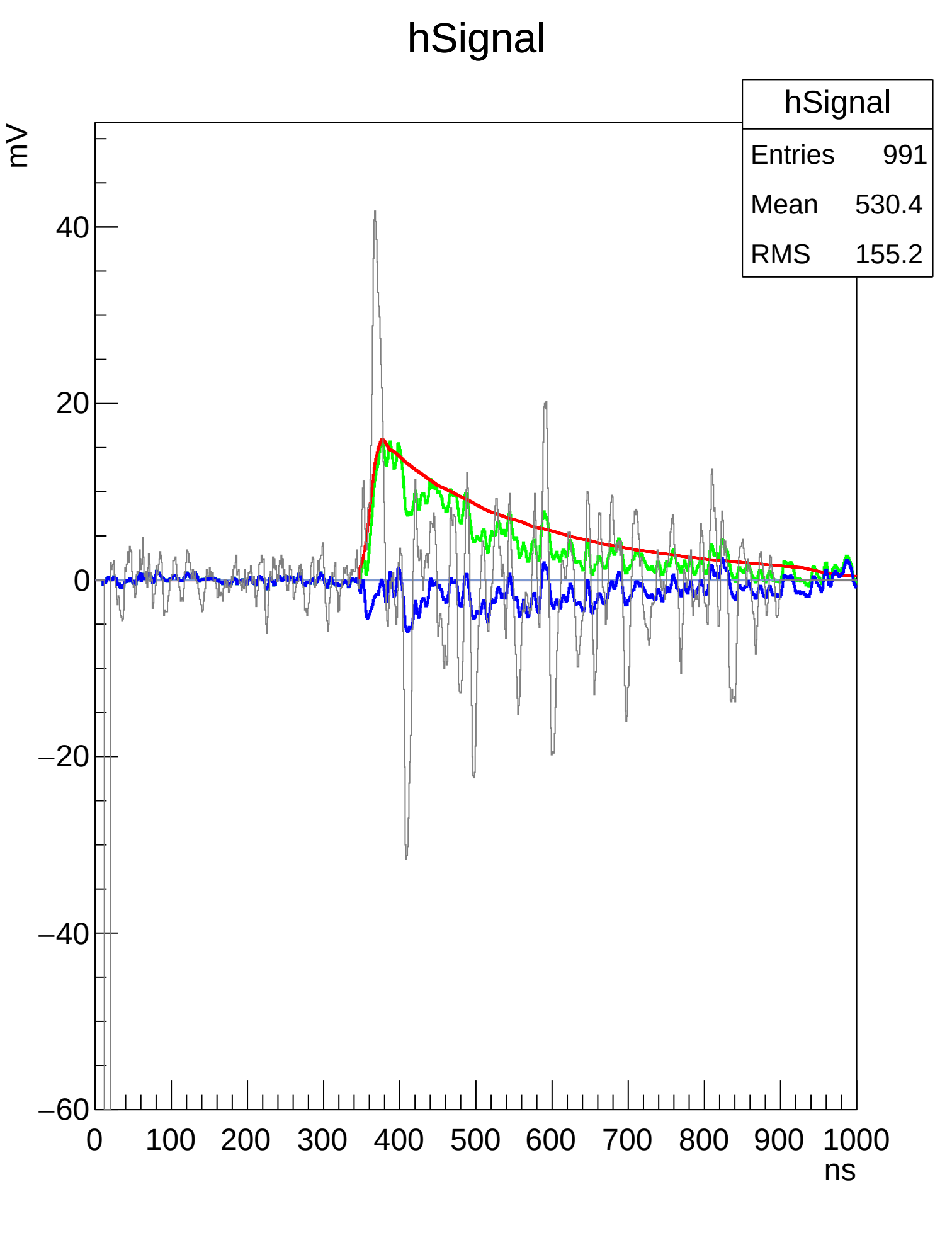
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.4
RMS 155.2
mV
40
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−20
−40
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0
100
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800
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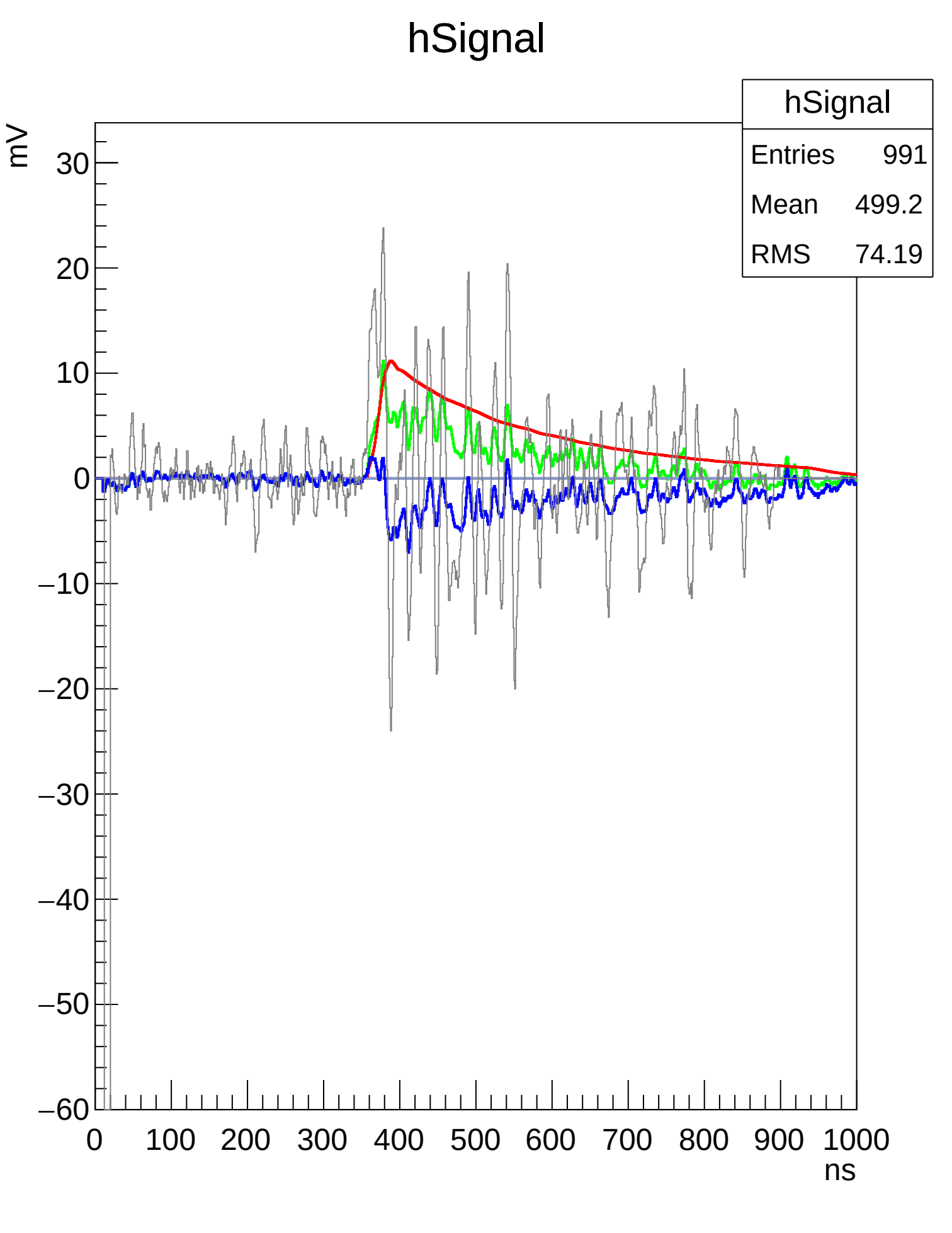
1000
ns


hSignal
hSignal
Entries 991
Mean 499.2
RMS 74.19
mV
30
20
10
0
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−50
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0
100
200
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400
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800
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1000
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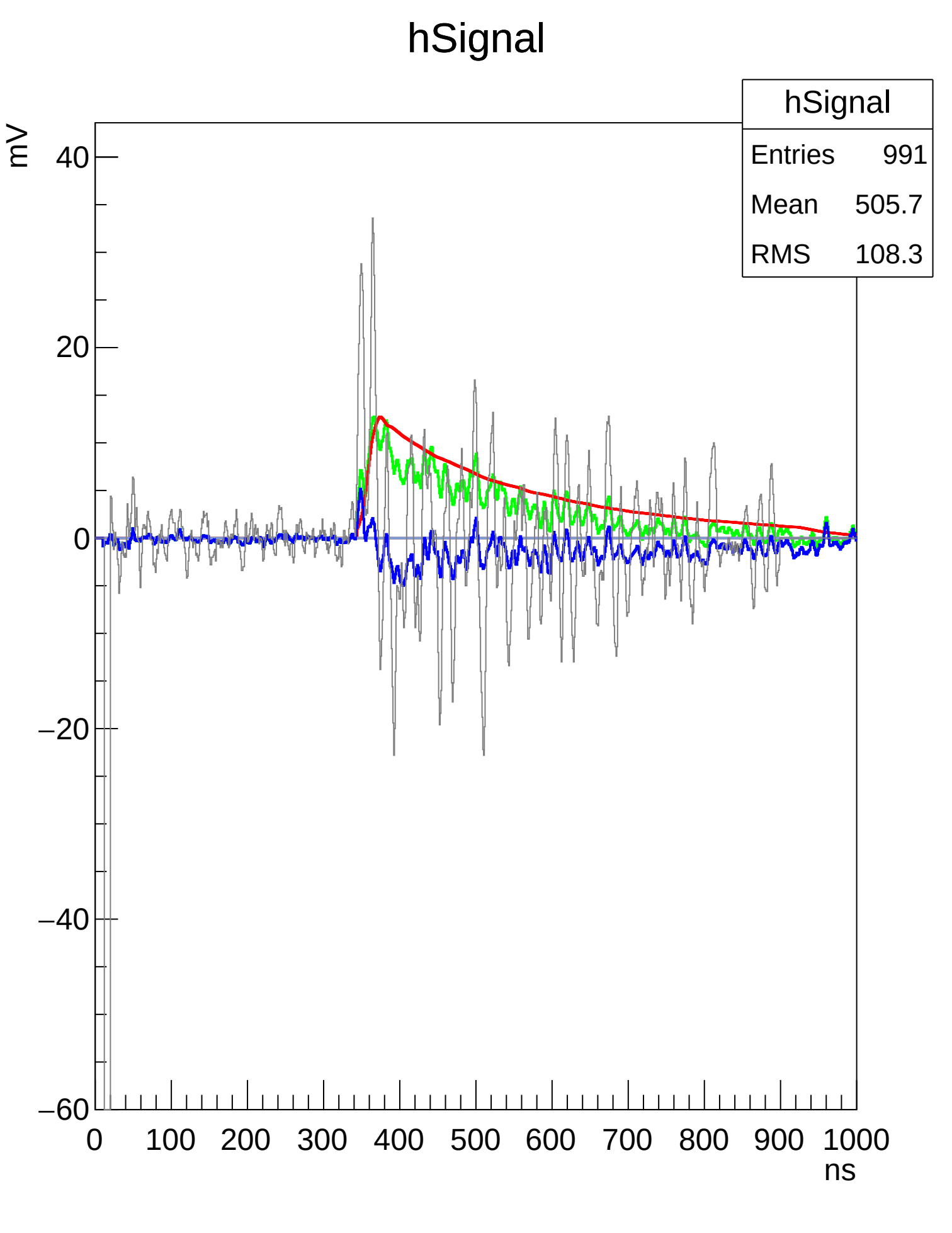
hSignal
hSignal
Entries 991
Mean 505.7
RMS 108.3
mV
40
20
0
−20
−40
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0
100
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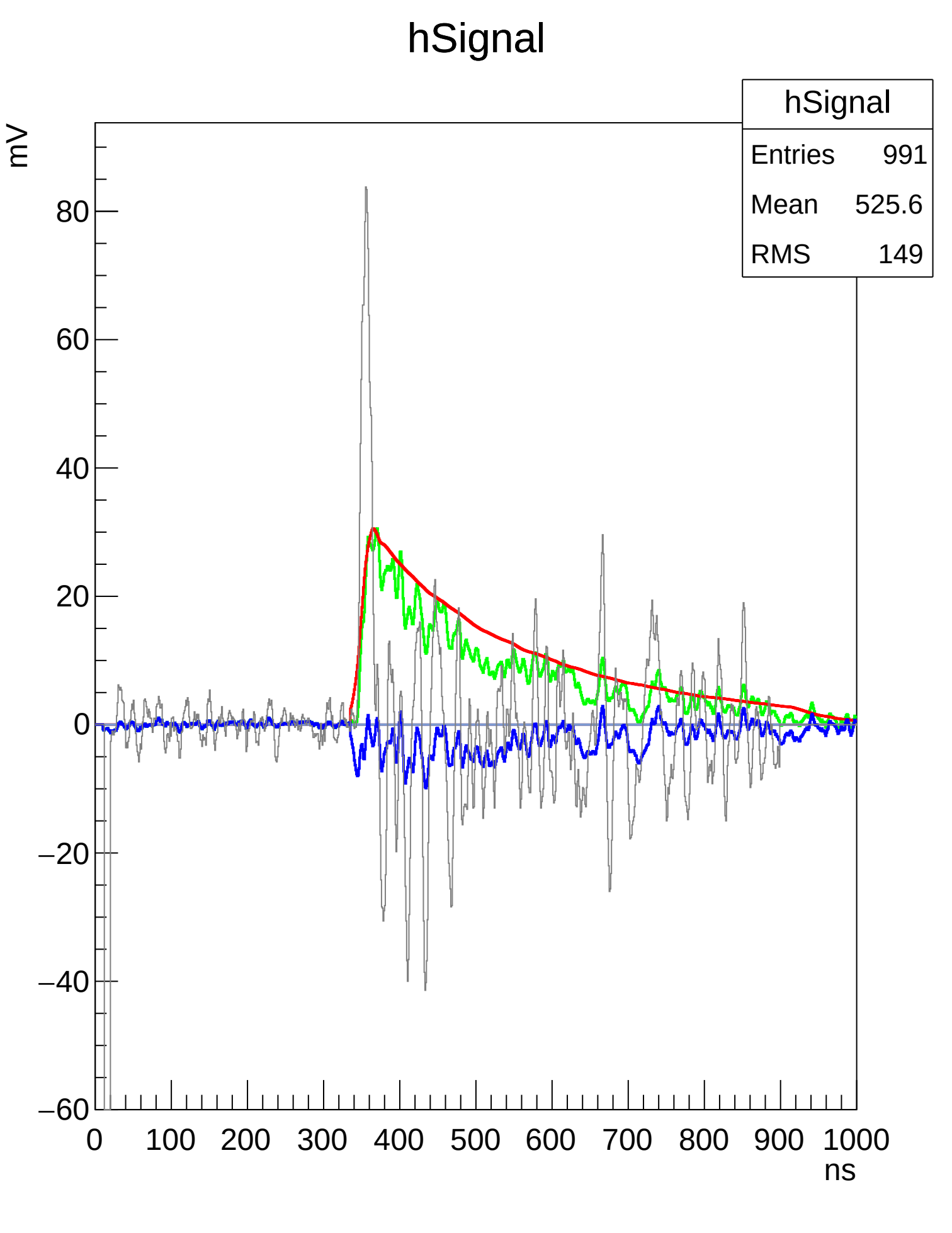
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.6
RMS 149
mV
80
60
40
20
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0
100
200
300
400
500
600
700
800
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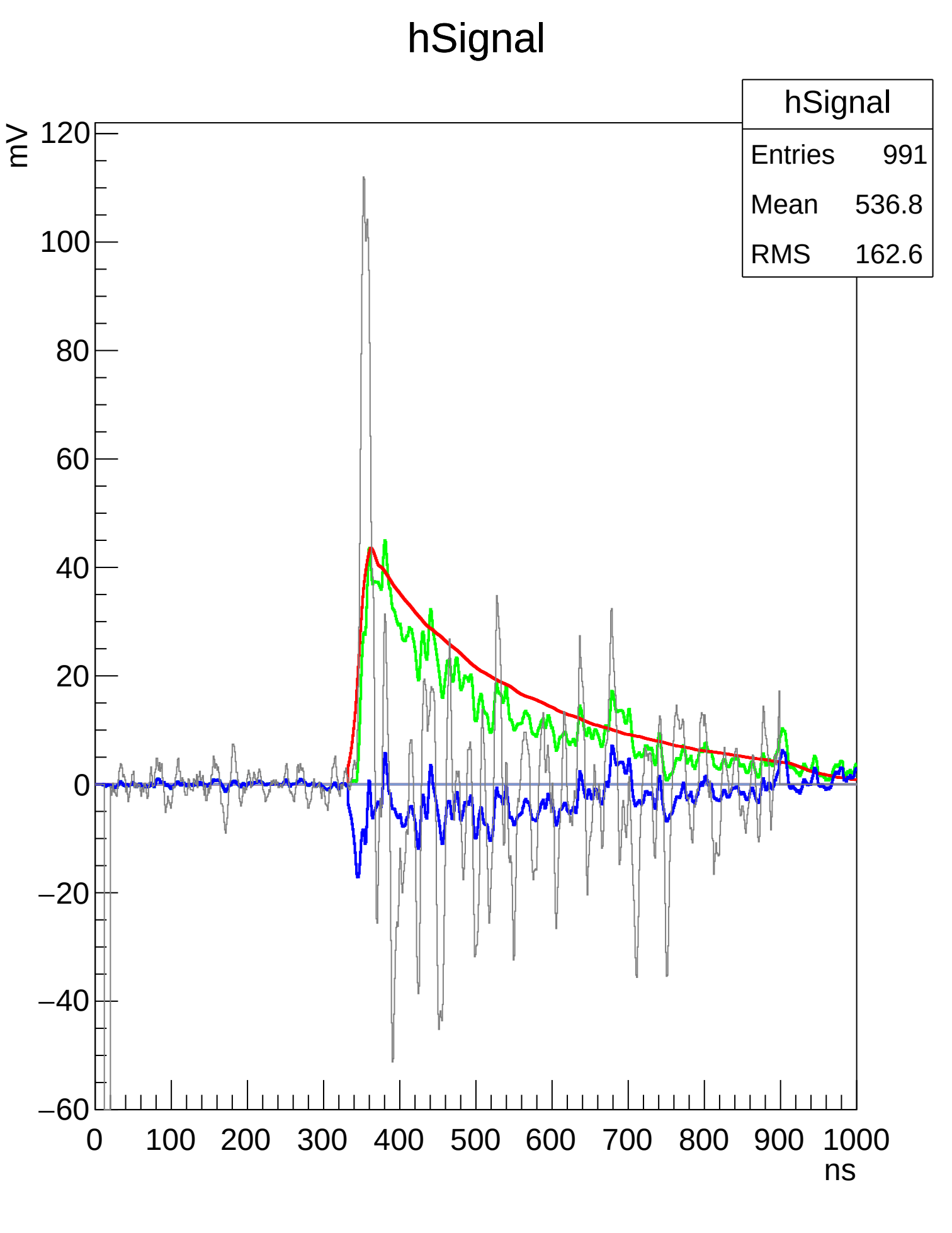
1000
ns


hSignal
hSignal
Entries 991
Mean 536.8
RMS 162.6
mV
120
100
80
60
40
20
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−20
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−60
0
100
200
300
400
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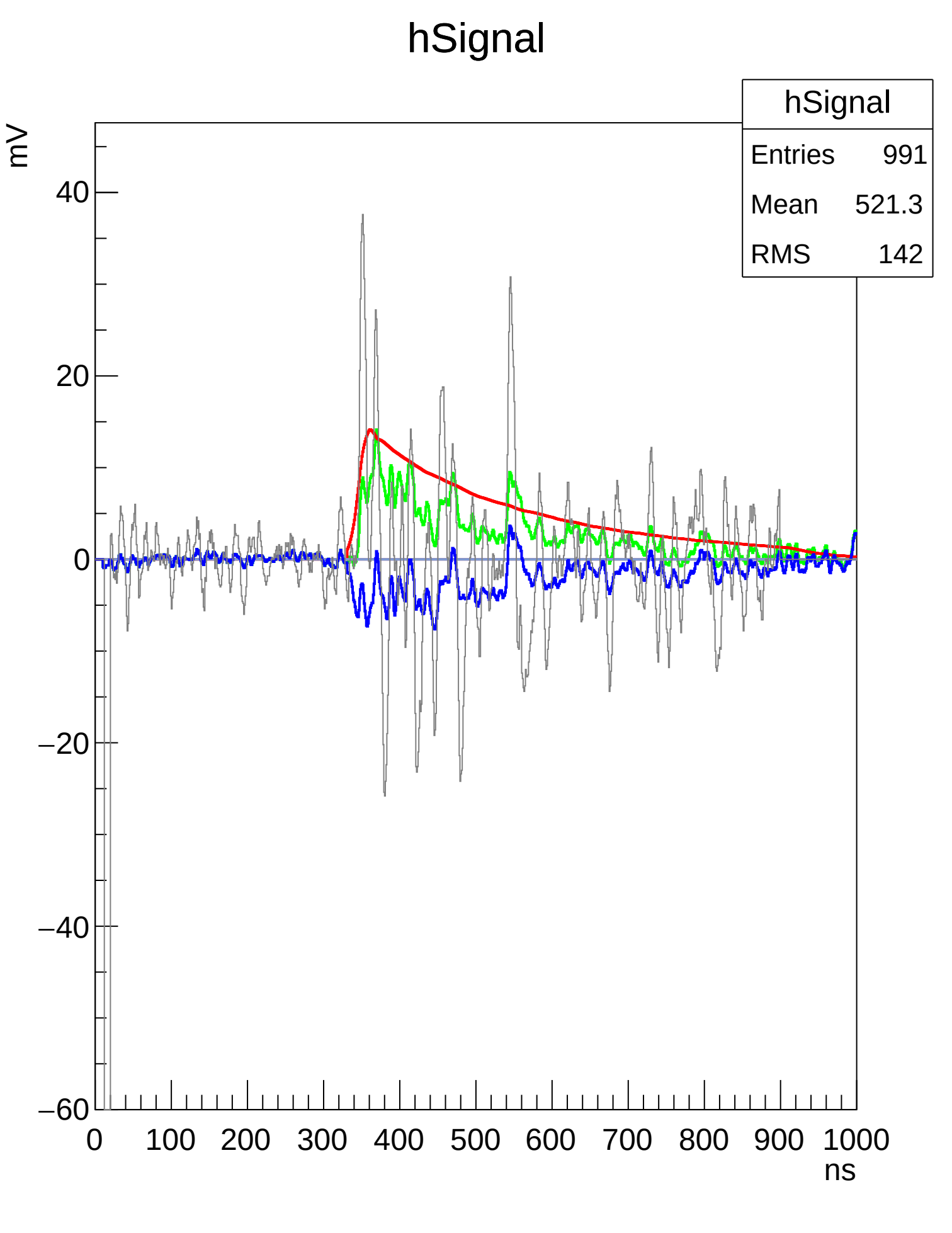
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.3
RMS 142
mV
40
20
0
−20
−40
−60
0
100
200
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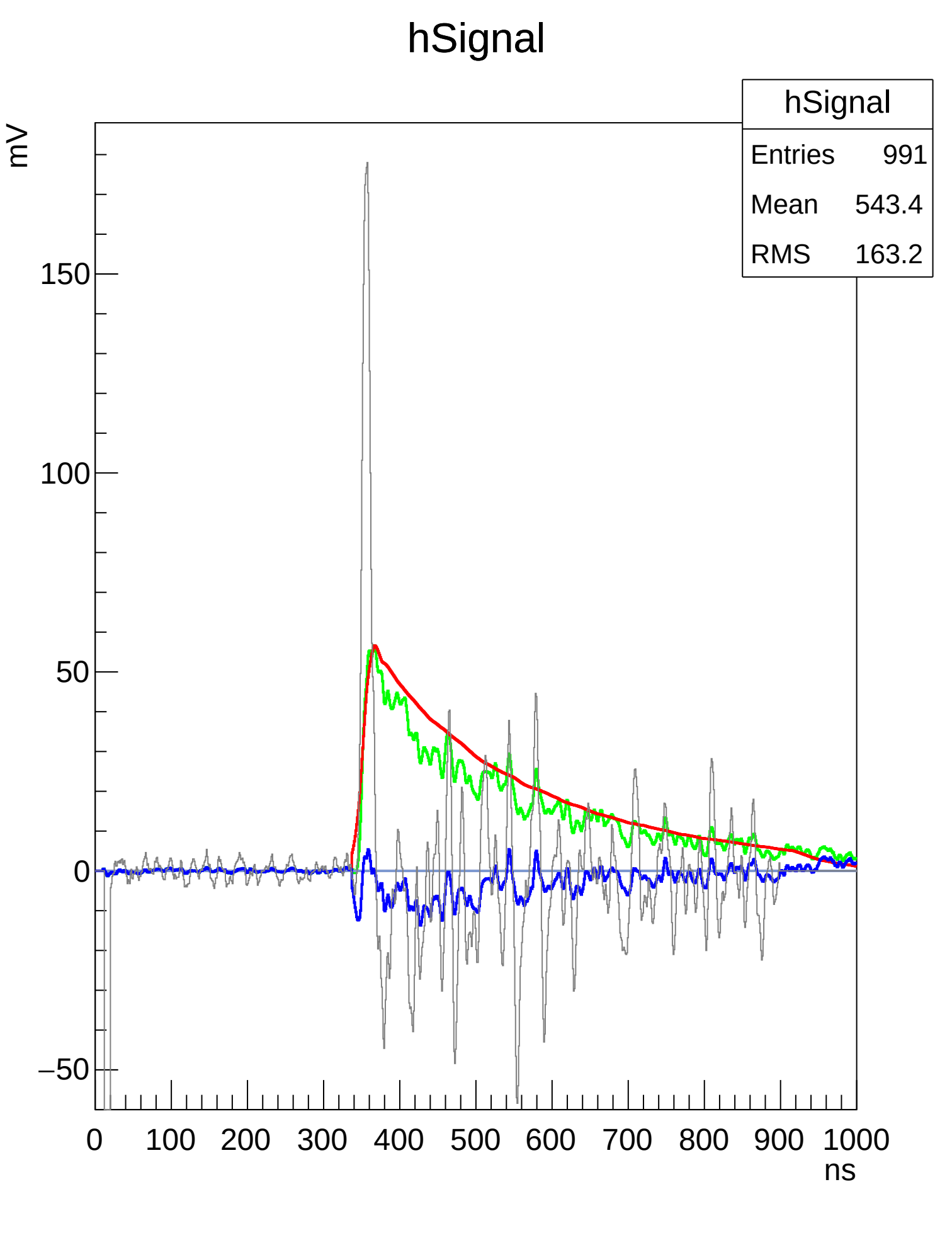
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.4
RMS 163.2
mV
150
100
50
0
−50
0
100
200
300
400
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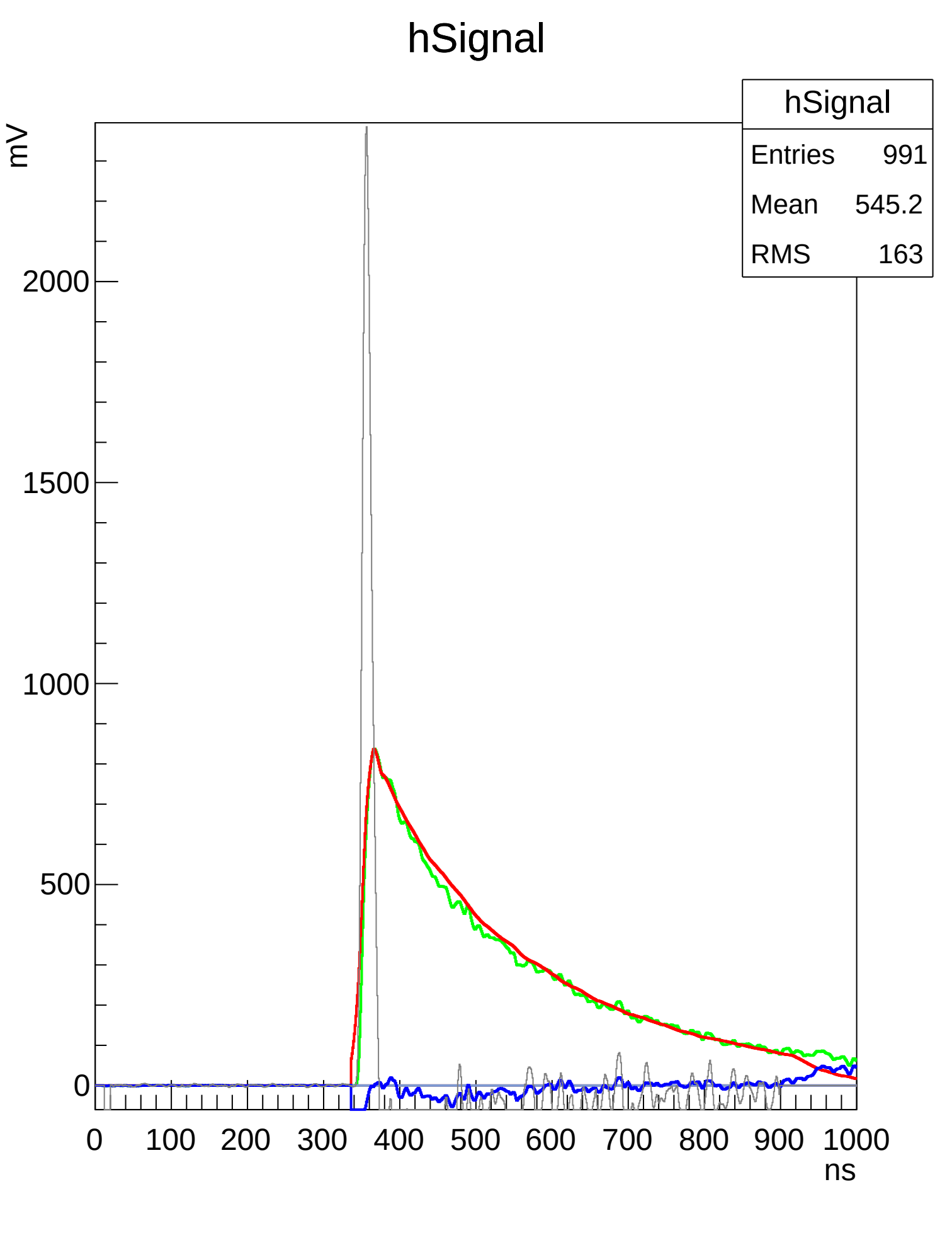
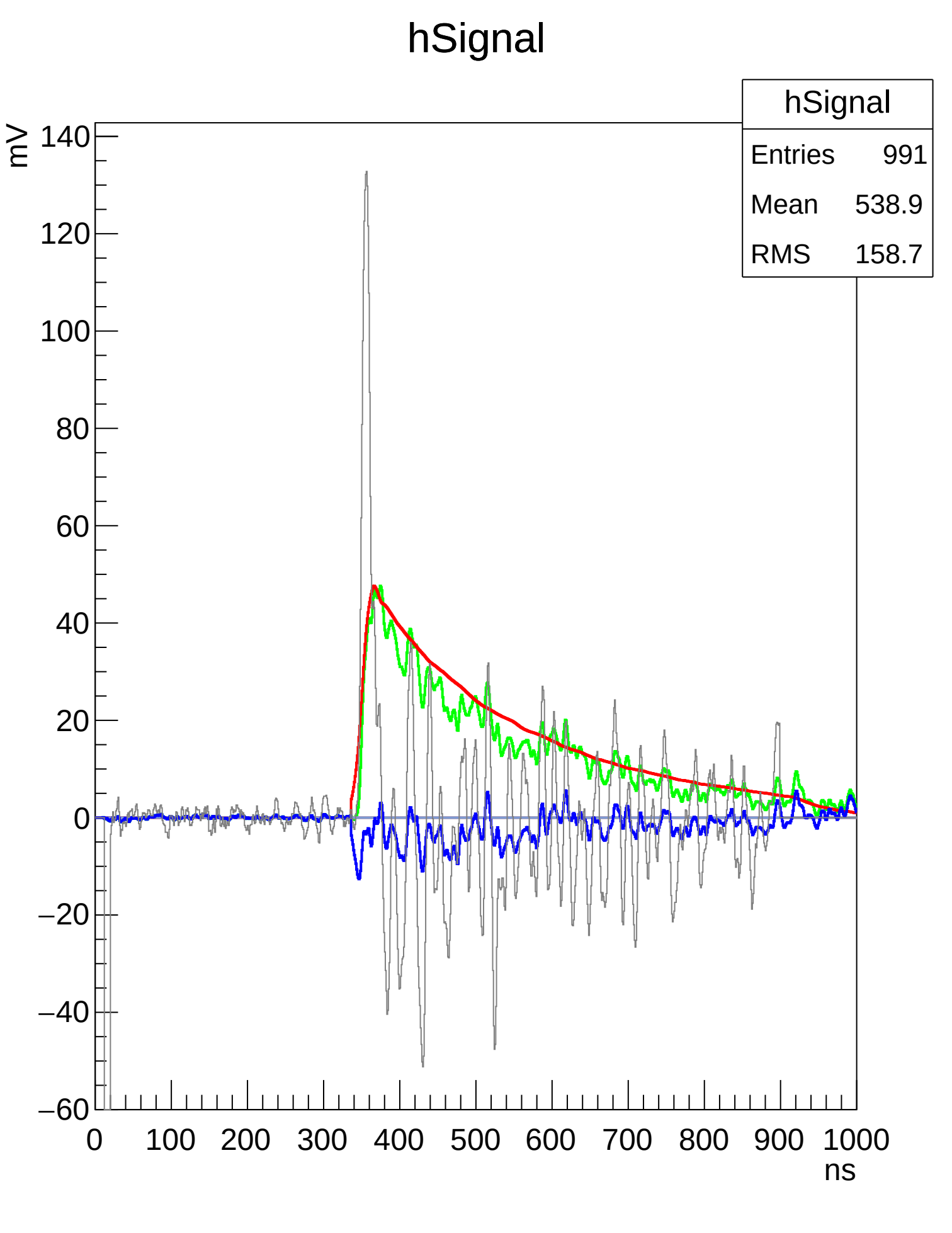
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.2
RMS 163
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.9
RMS 158.7
mV
140
120
100
80
60
40
20
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−20
−40
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0
100
200
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400
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600
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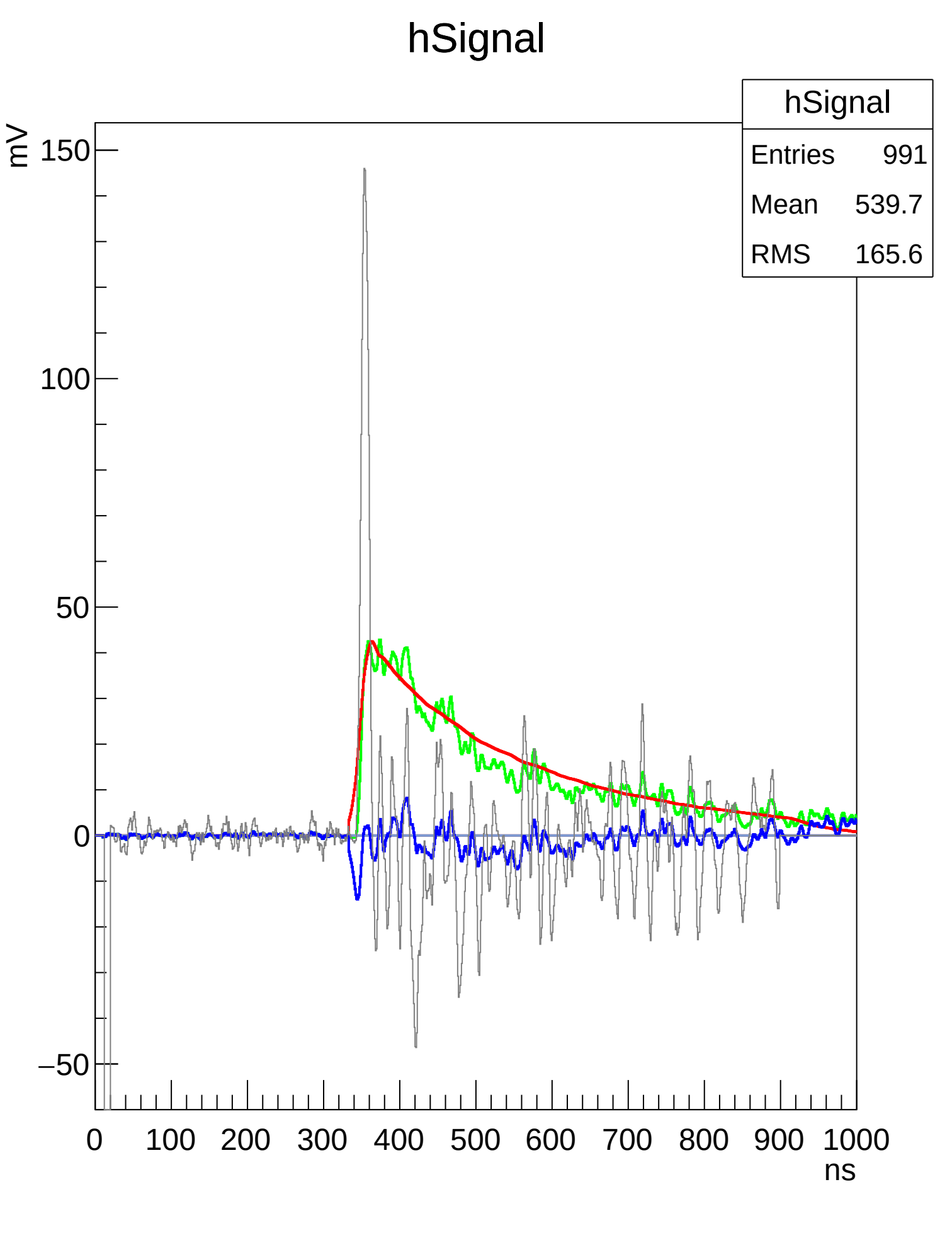
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.7
RMS 165.6
mV
150
100
50
0
−50
0
100
200
300
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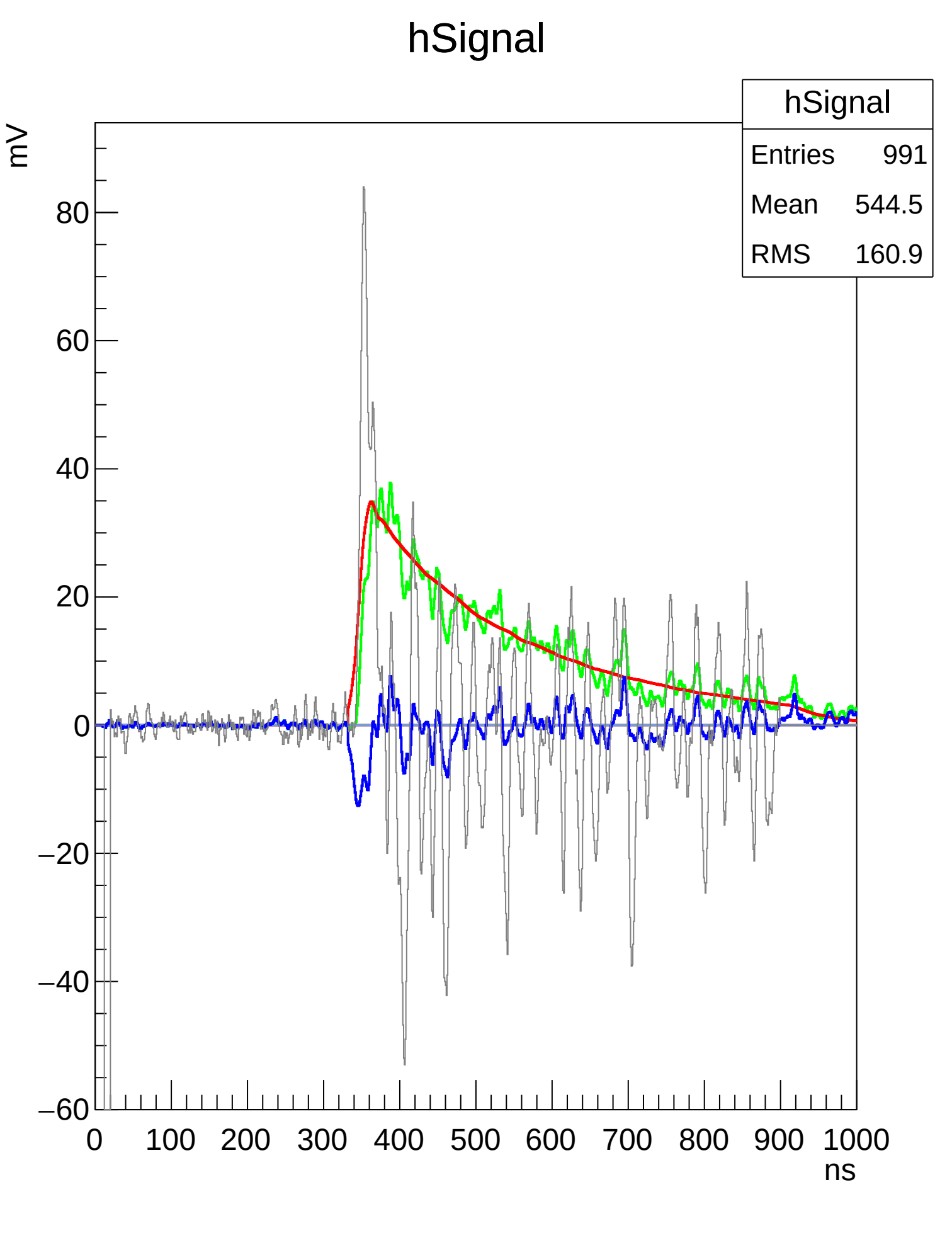
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.5
RMS 160.9
mV
80
60
40
20
0
−20
−40
−60
0
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200
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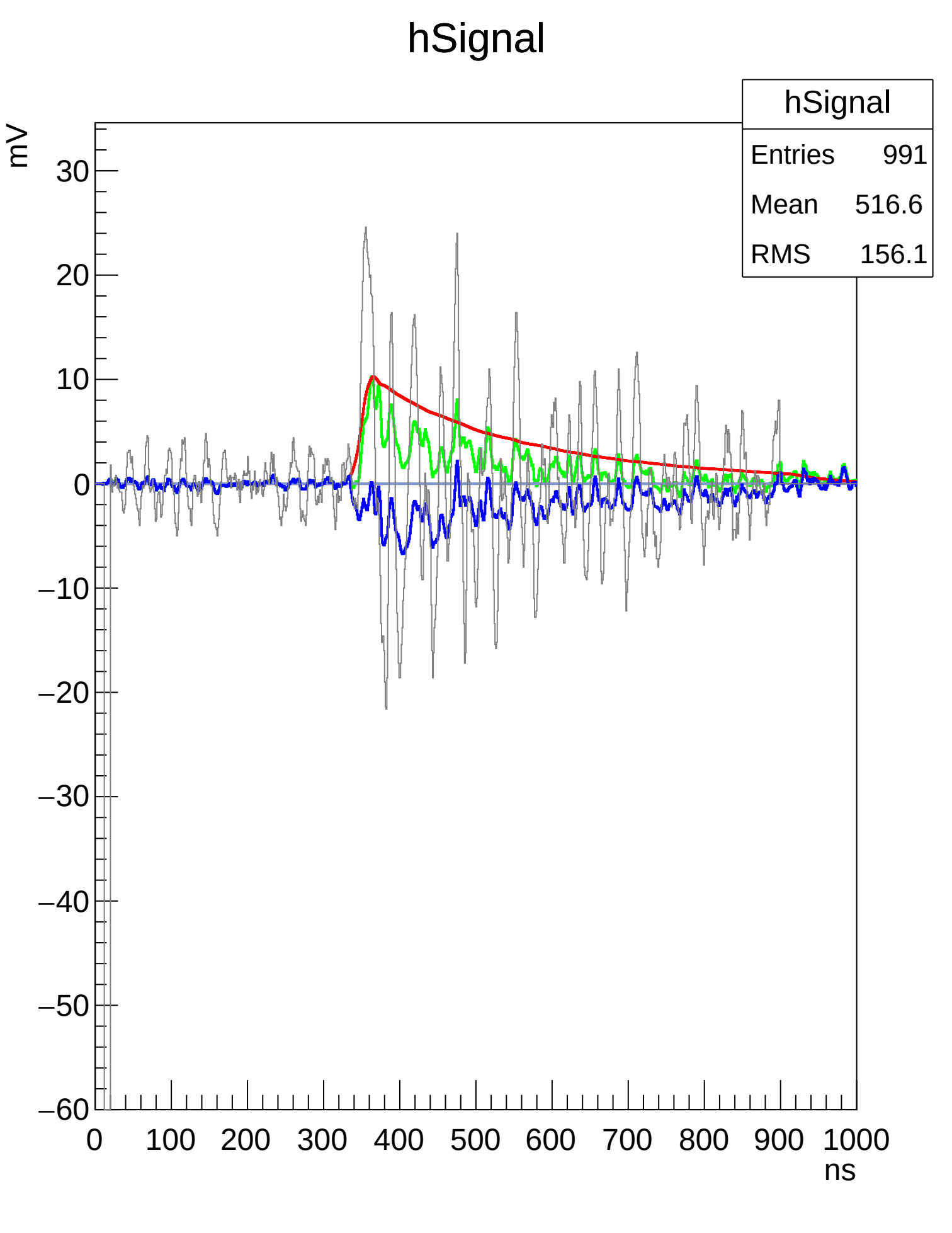
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.6
RMS 156.1
mV
30
20
10
0
−10
−20
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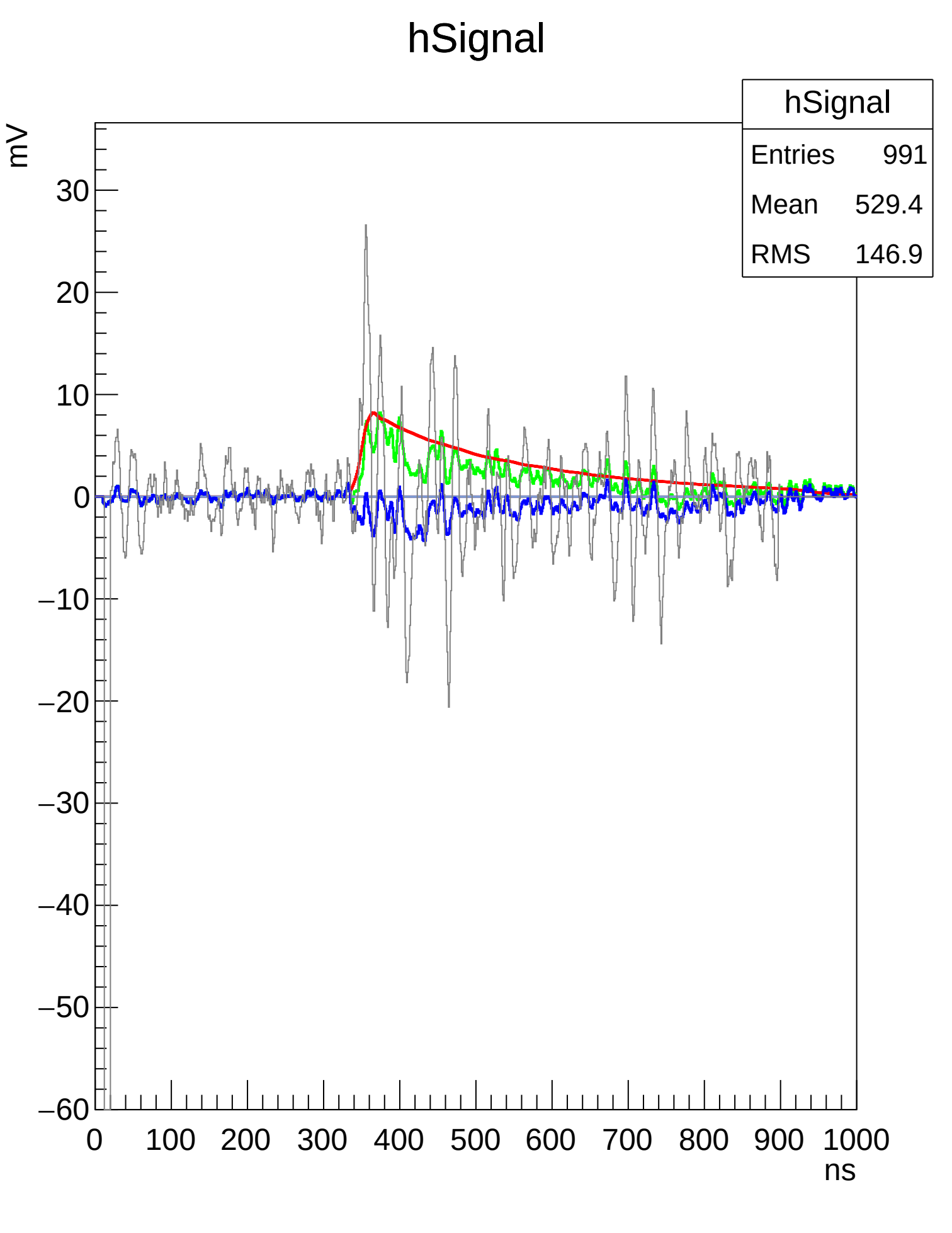
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.4
RMS 146.9
mV
30
20
10
0
−10
−20
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−50
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0
100
200
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400
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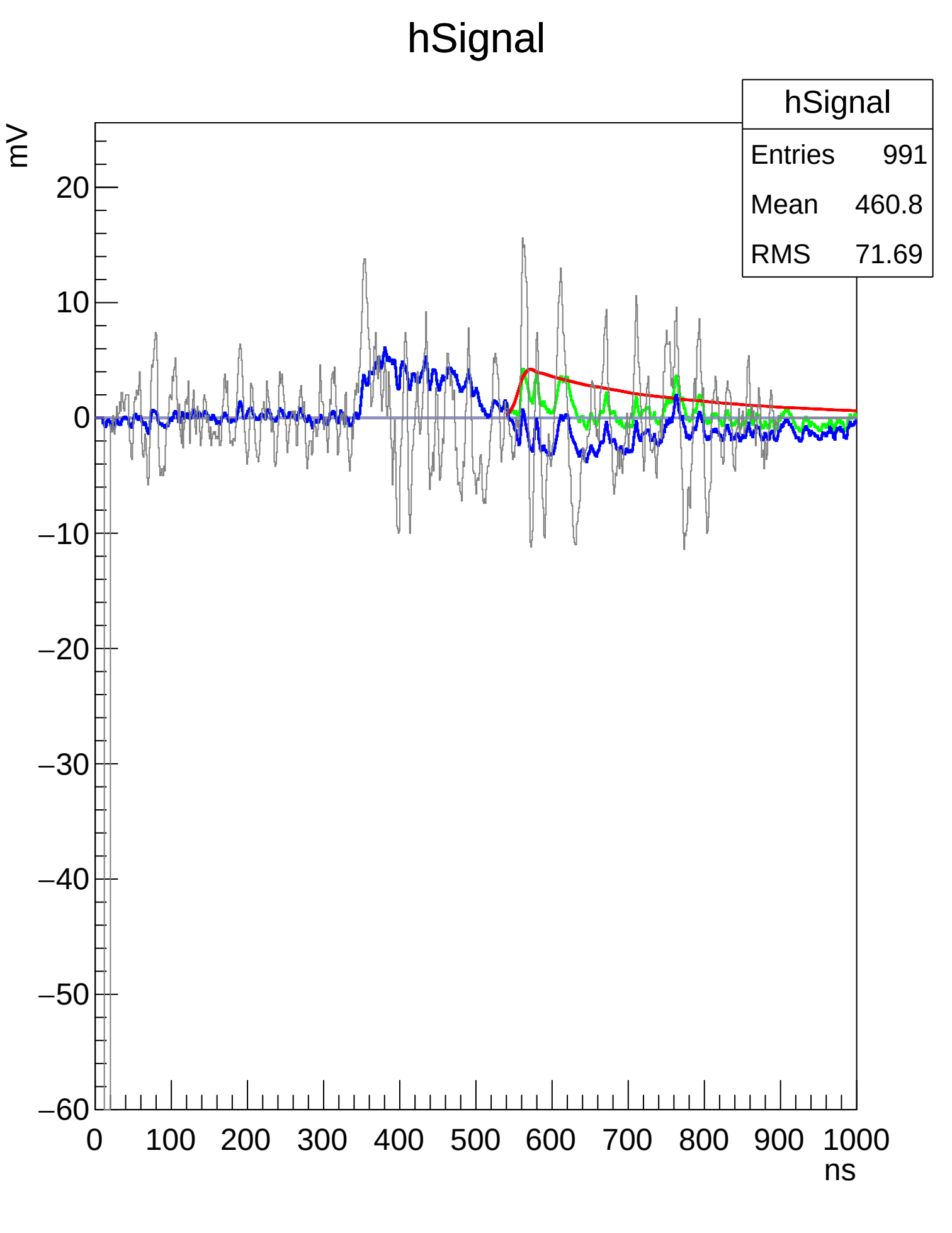
1000
ns


hSignal
hSignal
Entries 991
Mean 460.8
RMS 71.69
mV
20
10
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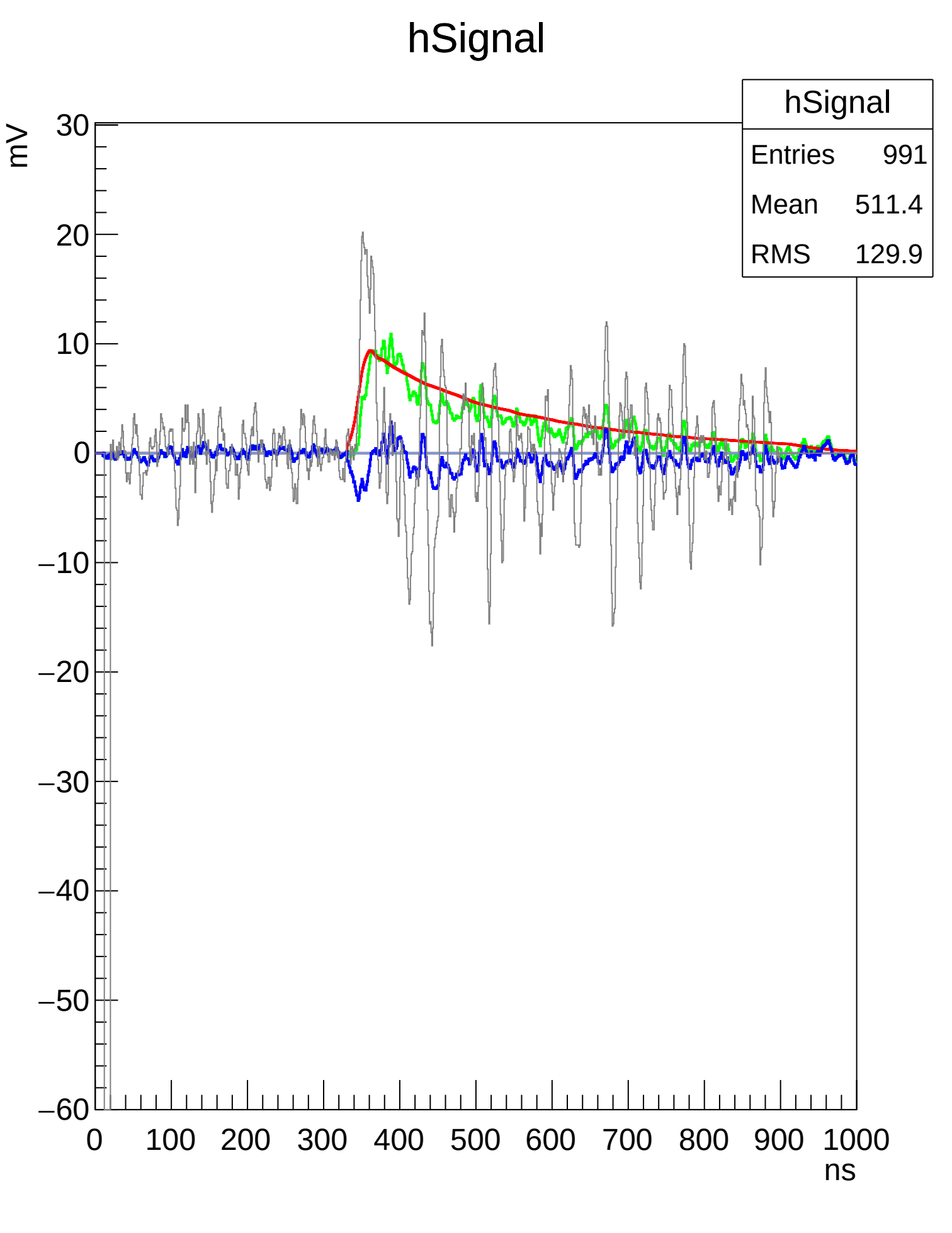
hSignal
hSignal
Entries 991
Mean 511.4
RMS 129.9
mV
30
20
10
0
−10
−20
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−50
−60
0
100
200
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400
500
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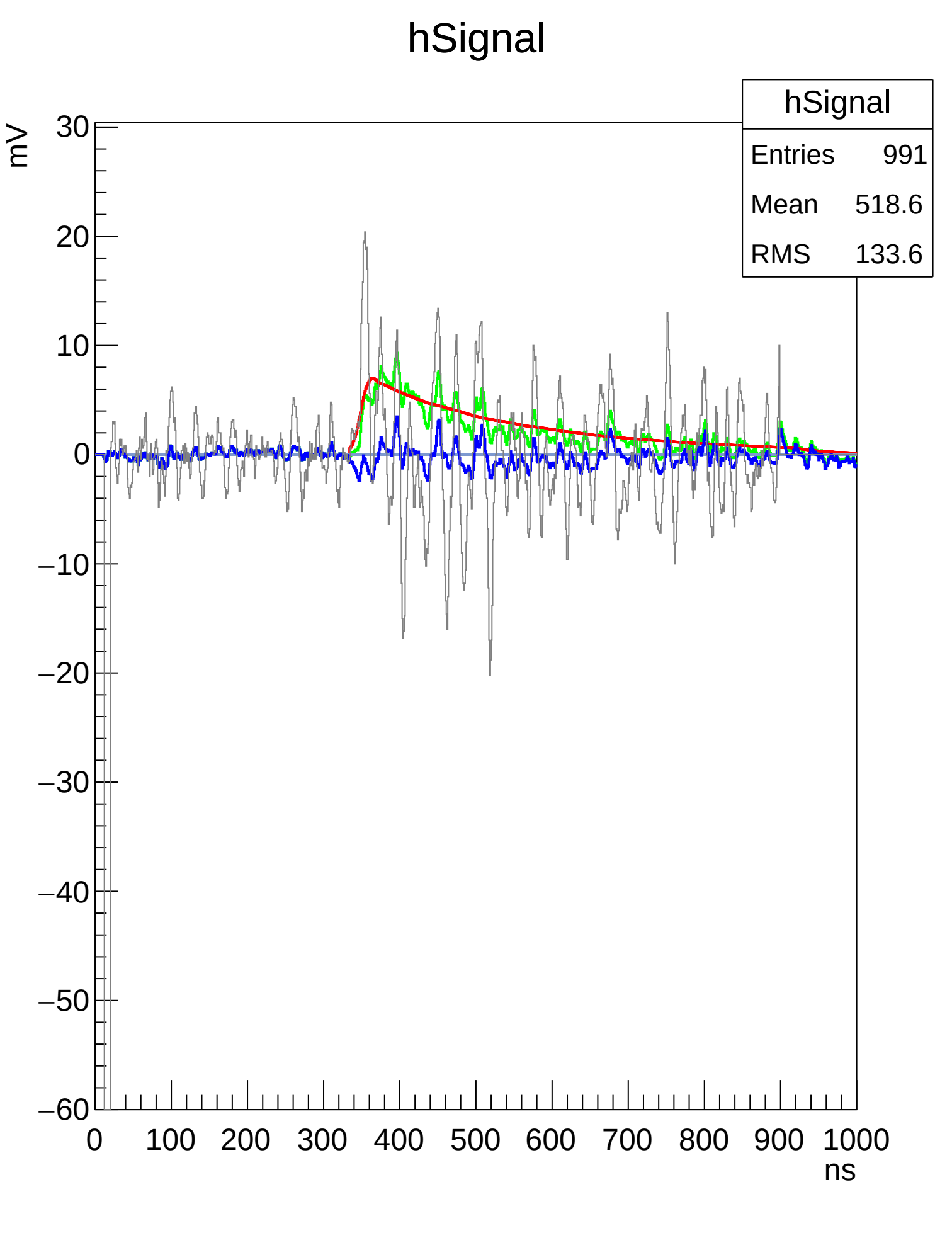
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.6
RMS 133.6
mV
30
20
10
0
−10
−20
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−50
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0
100
200
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400
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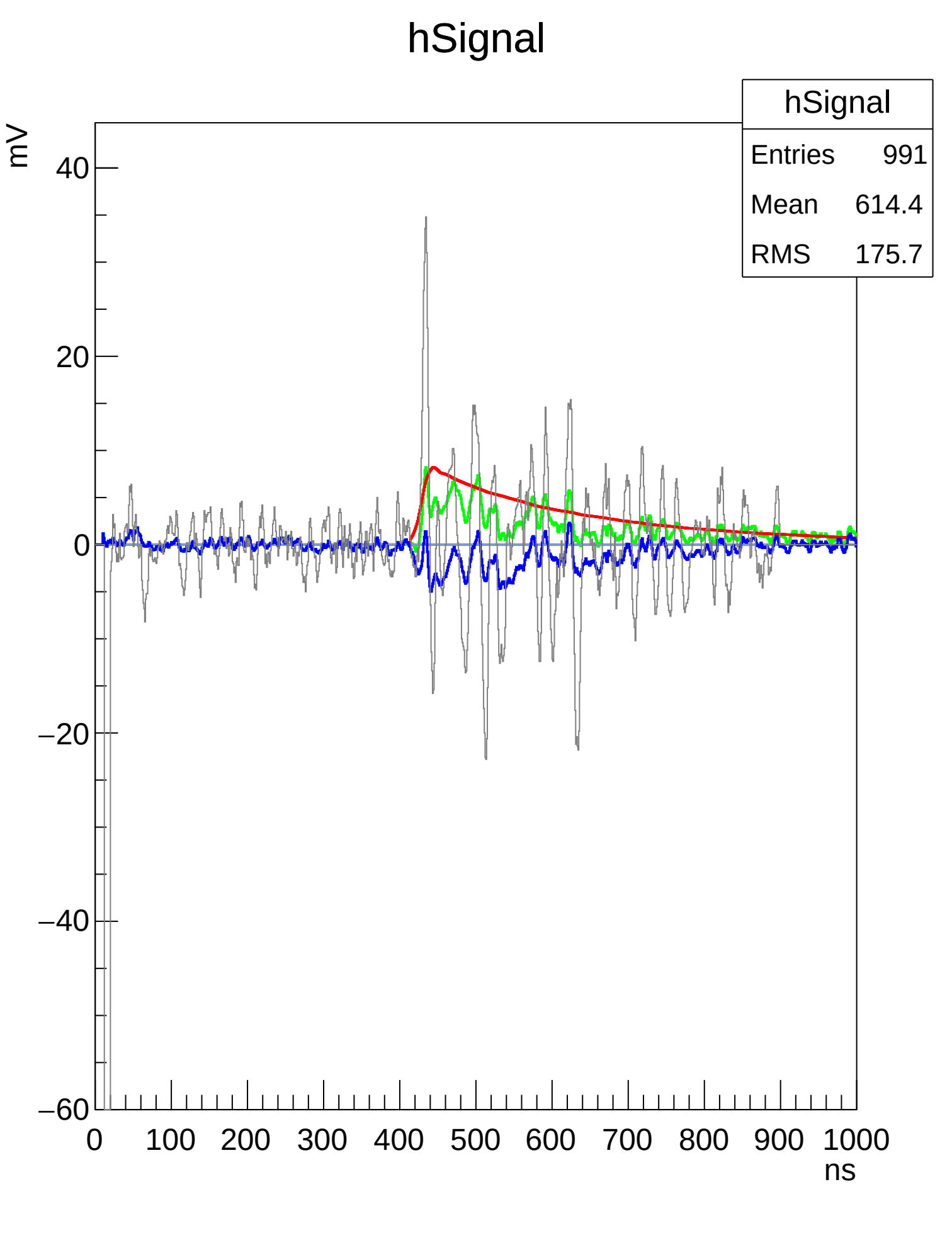
hSignal
hSignal
Entries 991
Mean 614.4
RMS 175.7
mV
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−20
−40
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0
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400
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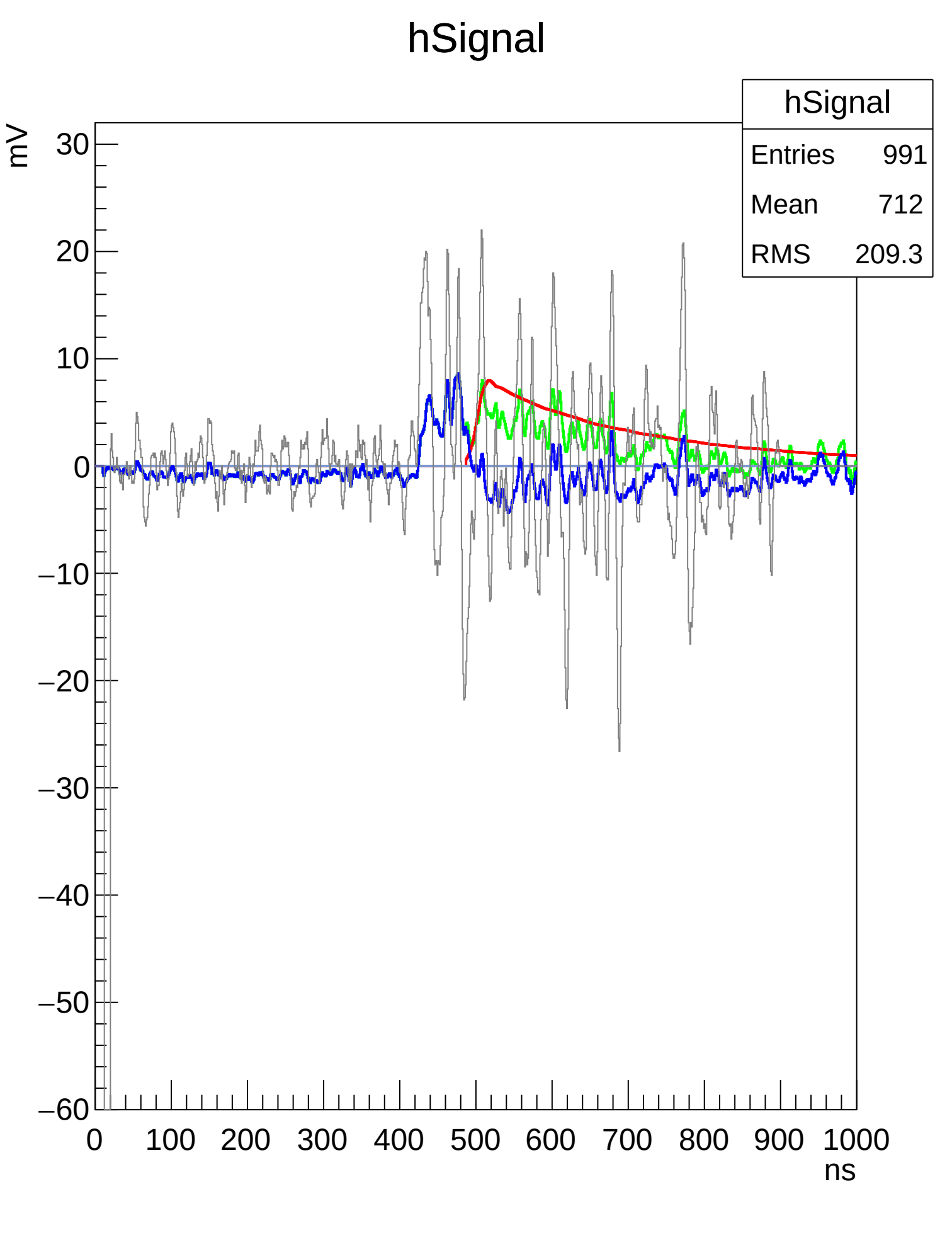
hSignal
hSignal
Entries 991
Mean 712
RMS 209.3
mV
30
20
10
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−40
−50
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0
100
200
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800
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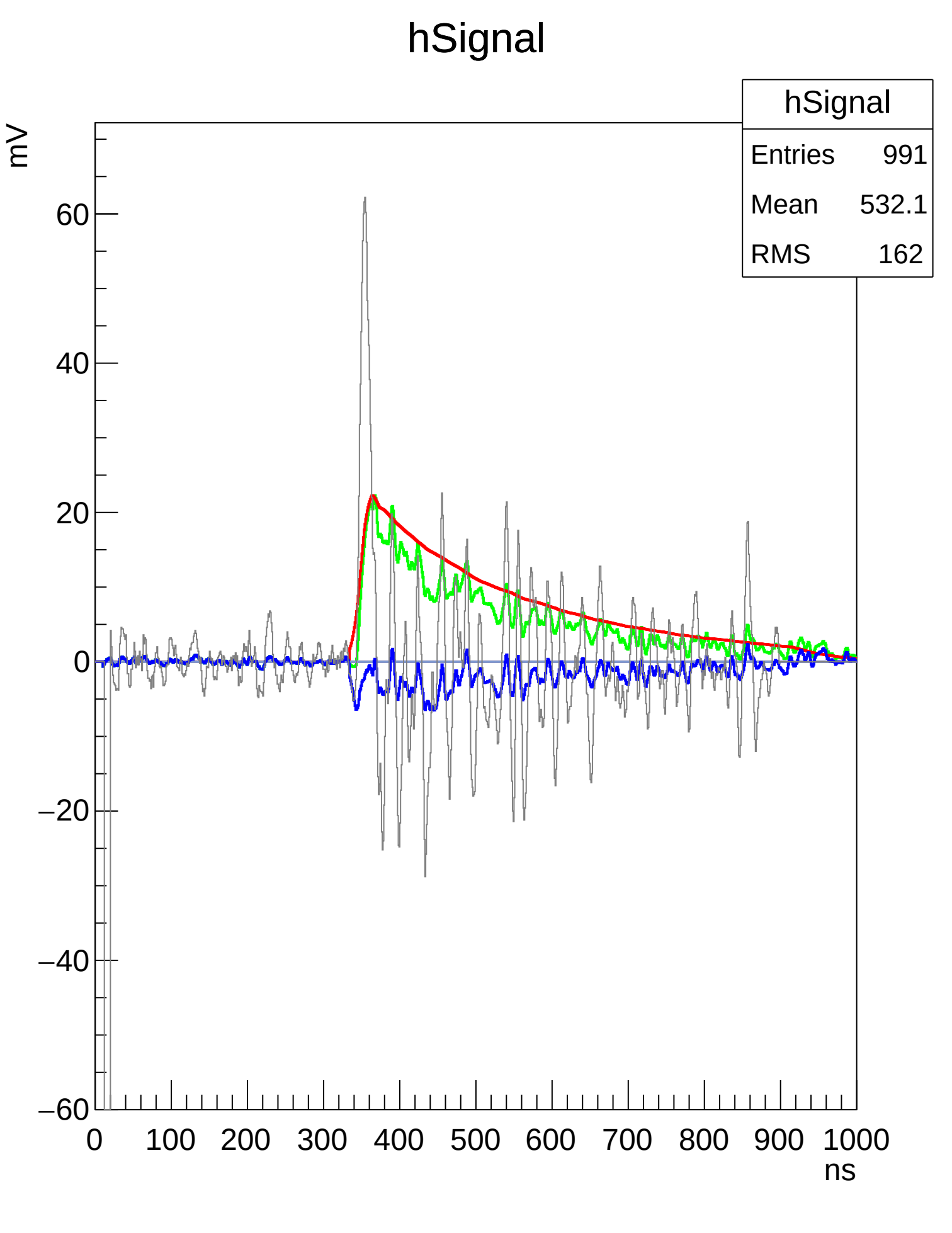
1000
ns


hSignal
hSignal
Entries 991
Mean 532.1
RMS 162
mV
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−20
−40
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0
100
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600
700
800
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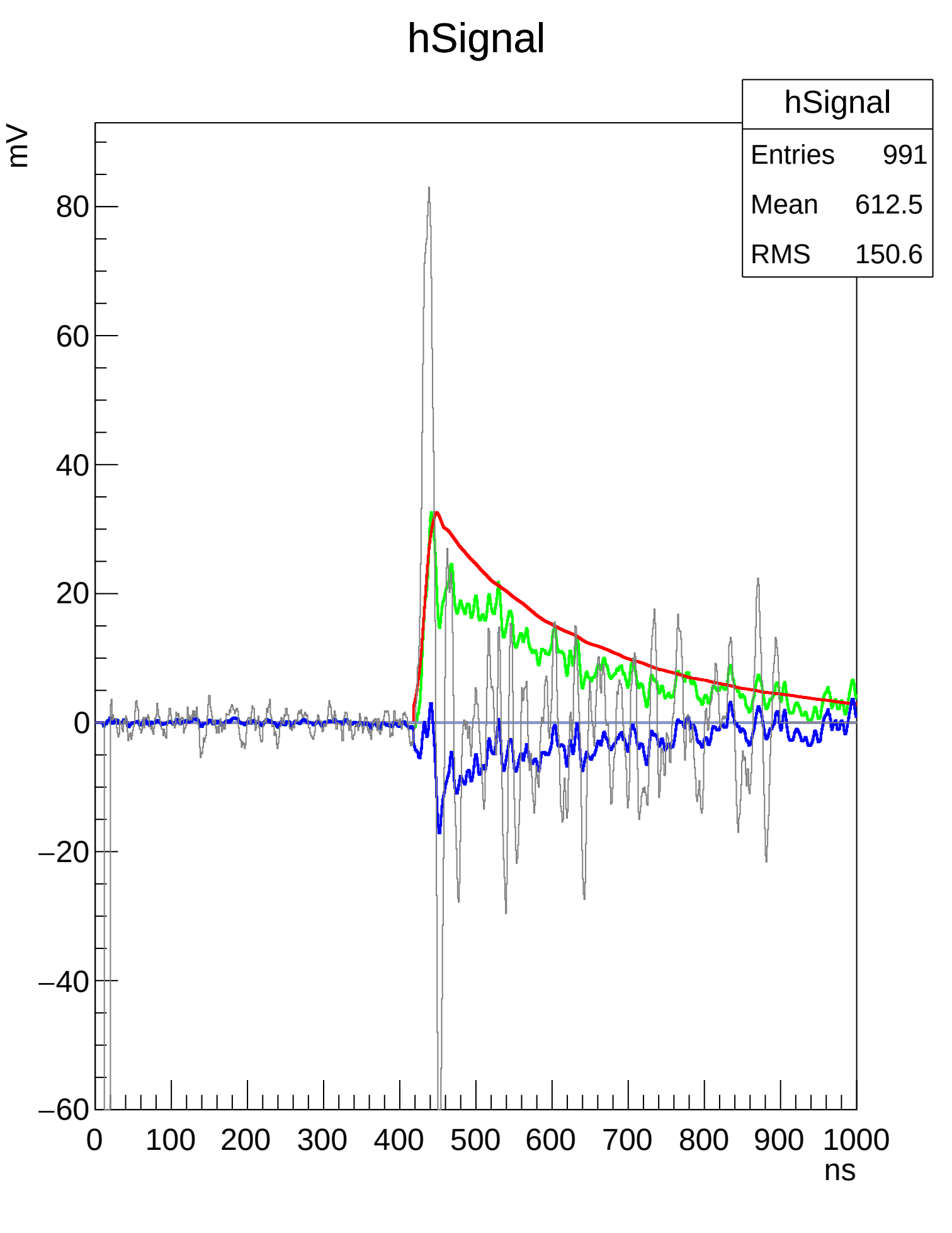
1000
ns


hSignal
hSignal
Entries 991
Mean 612.5
RMS 150.6
mV
80
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40
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−40
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800
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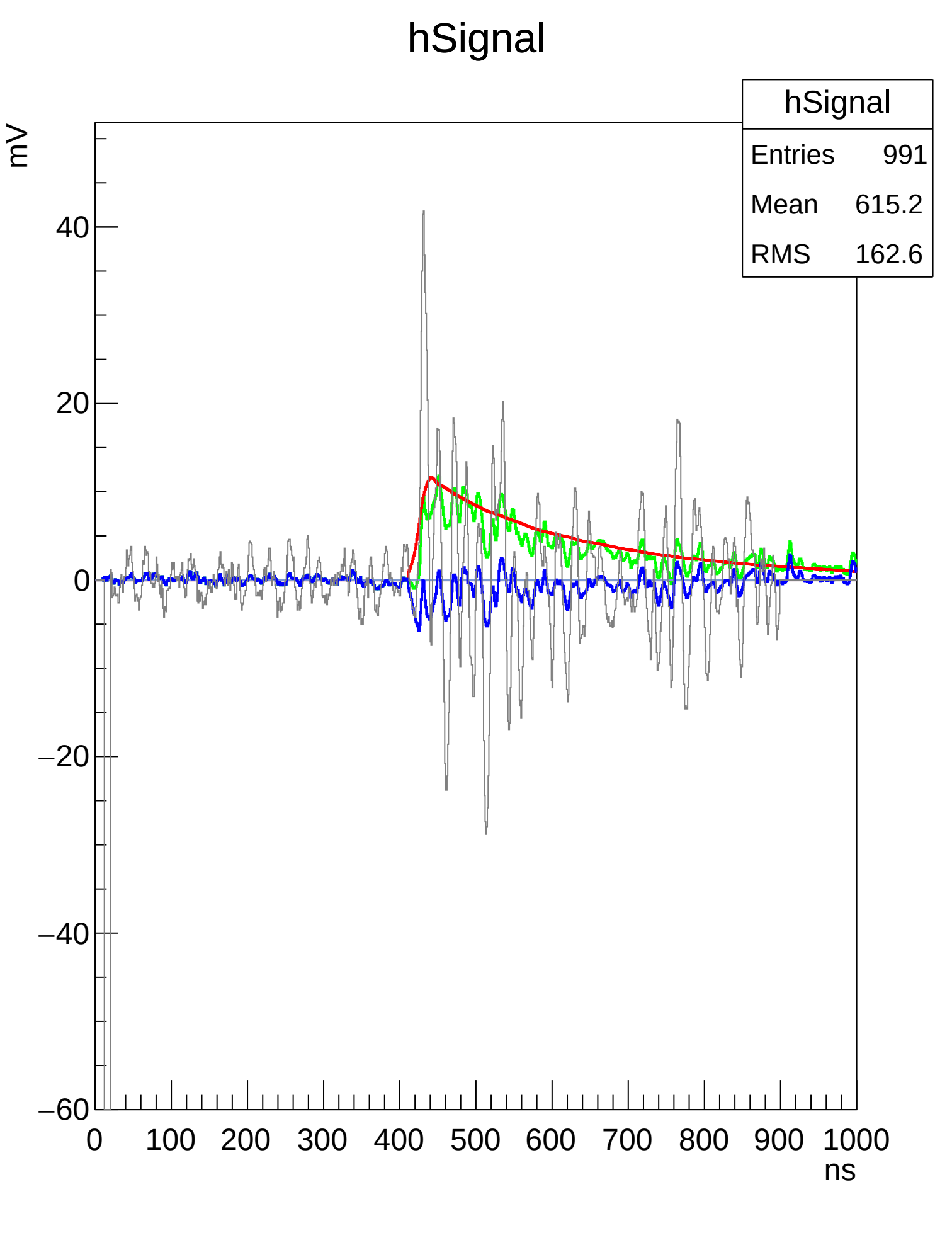
1000
ns


hSignal
hSignal
Entries 991
Mean 615.2
RMS 162.6
mV
40
20
0
−20
−40
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0
100
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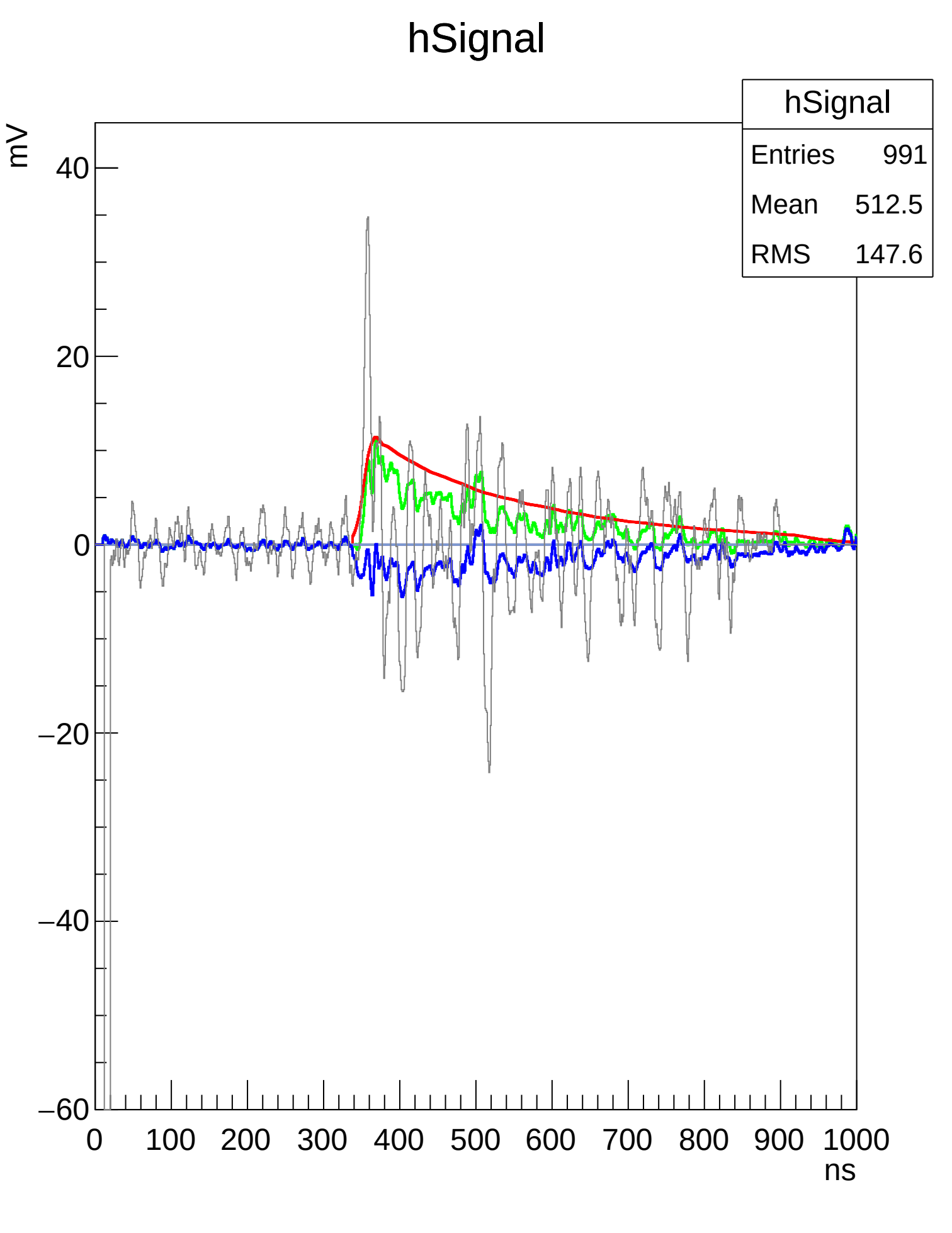
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.5
RMS 147.6
mV
40
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−20
−40
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0
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600
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800
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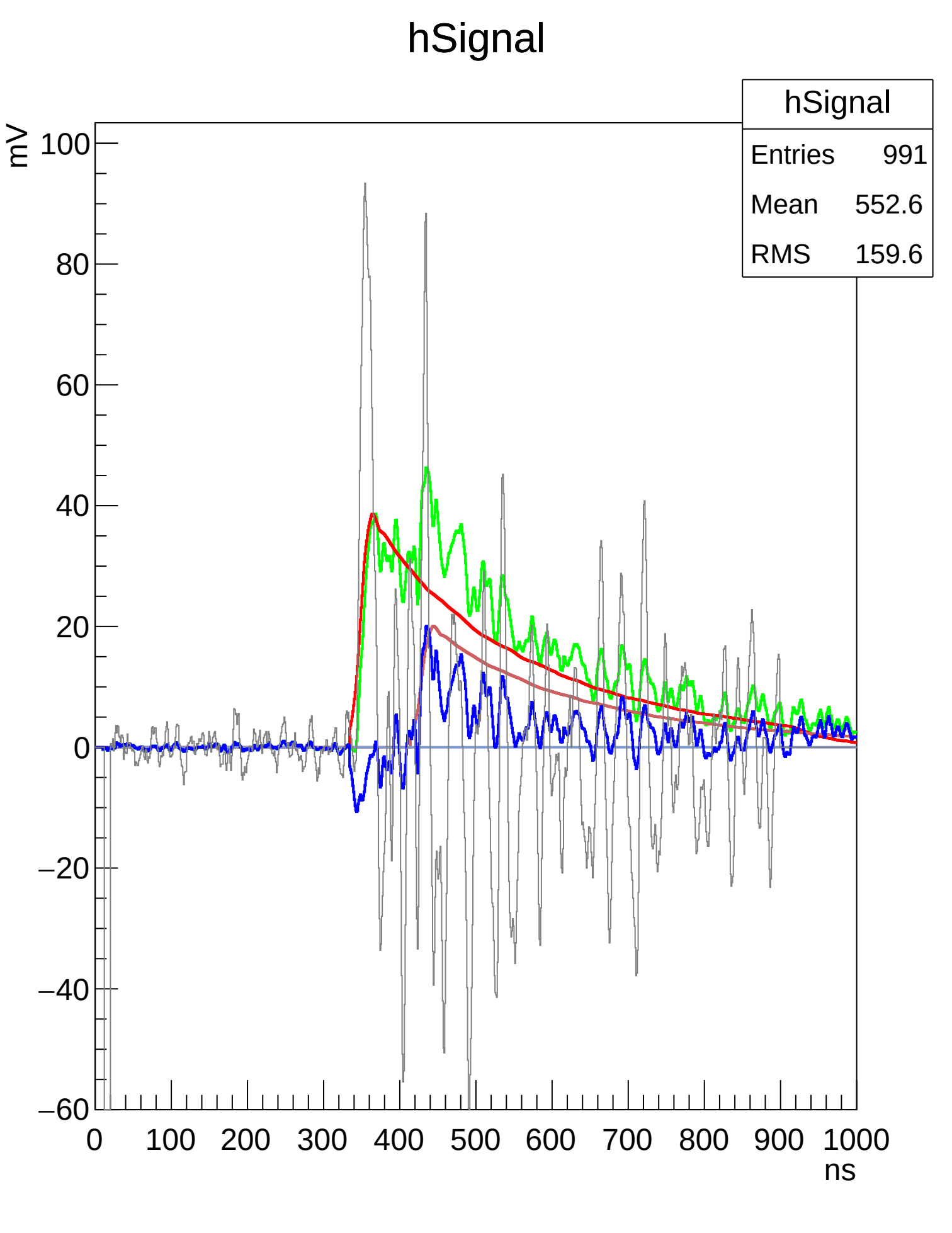
hSignal
hSignal
Entries 991
Mean 552.6
RMS 159.6
mV
100
80
60
40
20
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0
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1000
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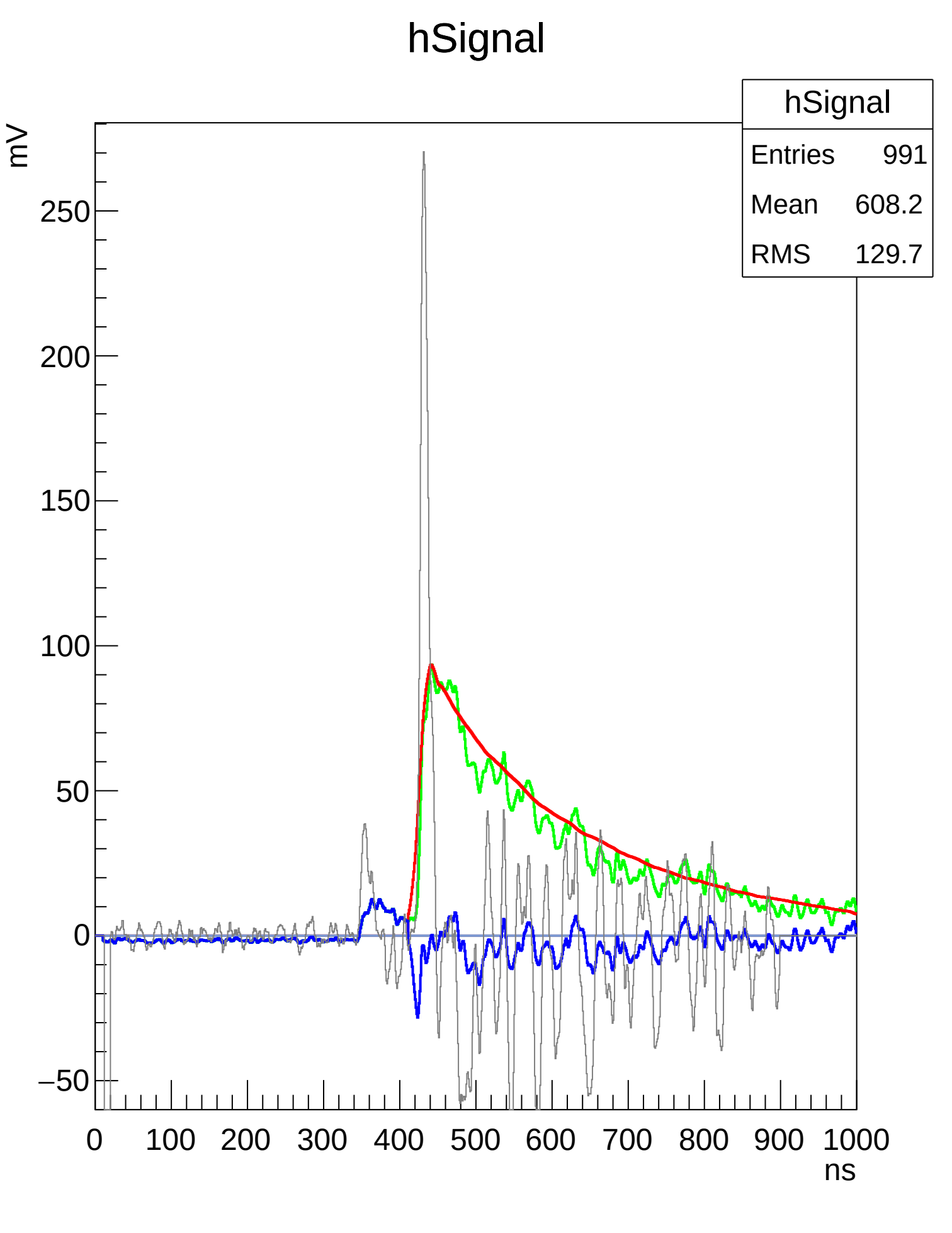
hSignal
hSignal
Entries 991
Mean 608.2
RMS 129.7
mV
250
200
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100
50
0
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0
100
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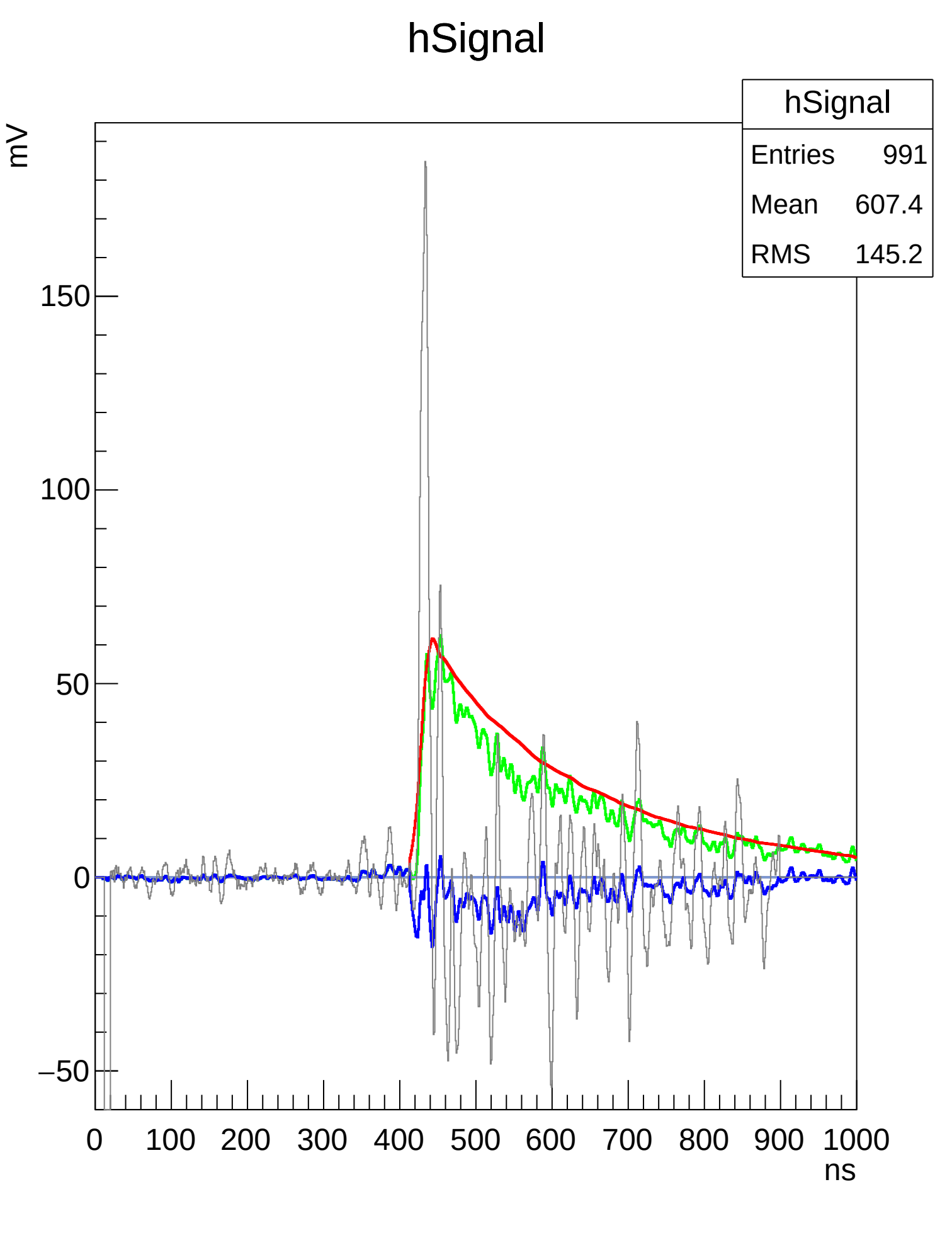
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.4
RMS 145.2
mV
150
100
50
0
−50
0
100
200
300
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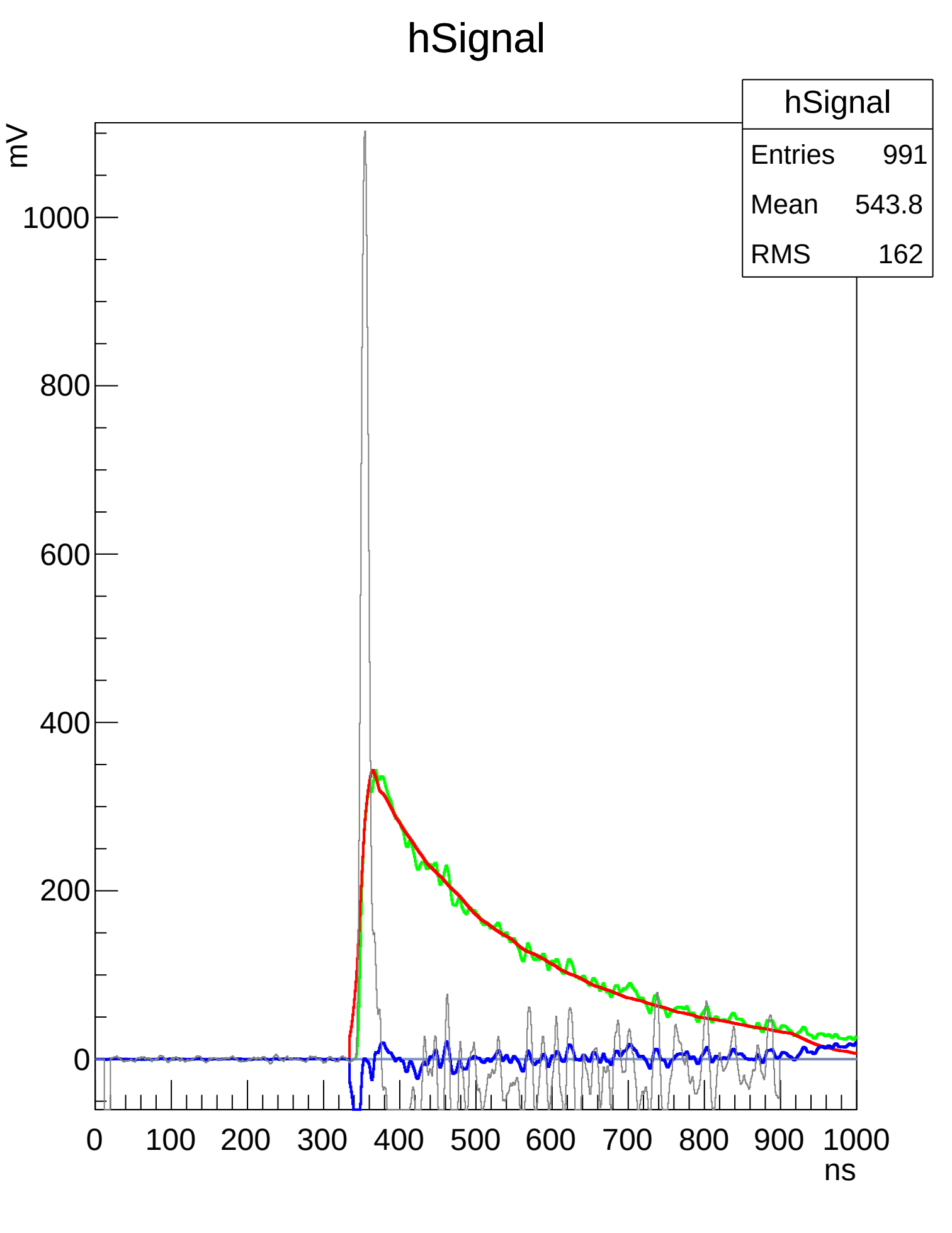
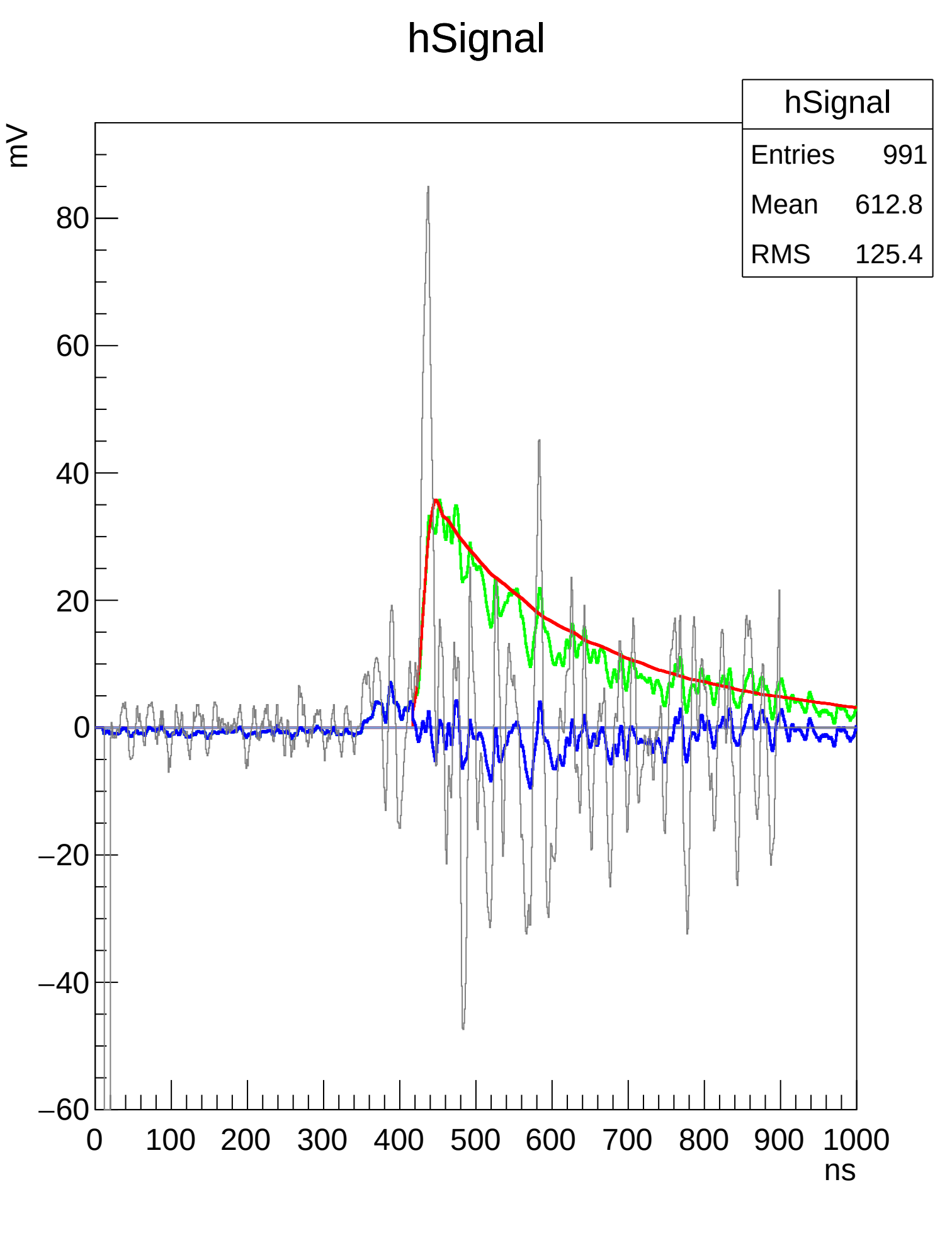
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.8
RMS 162
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 612.8
RMS 125.4
mV
80
60
40
20
0
−20
−40
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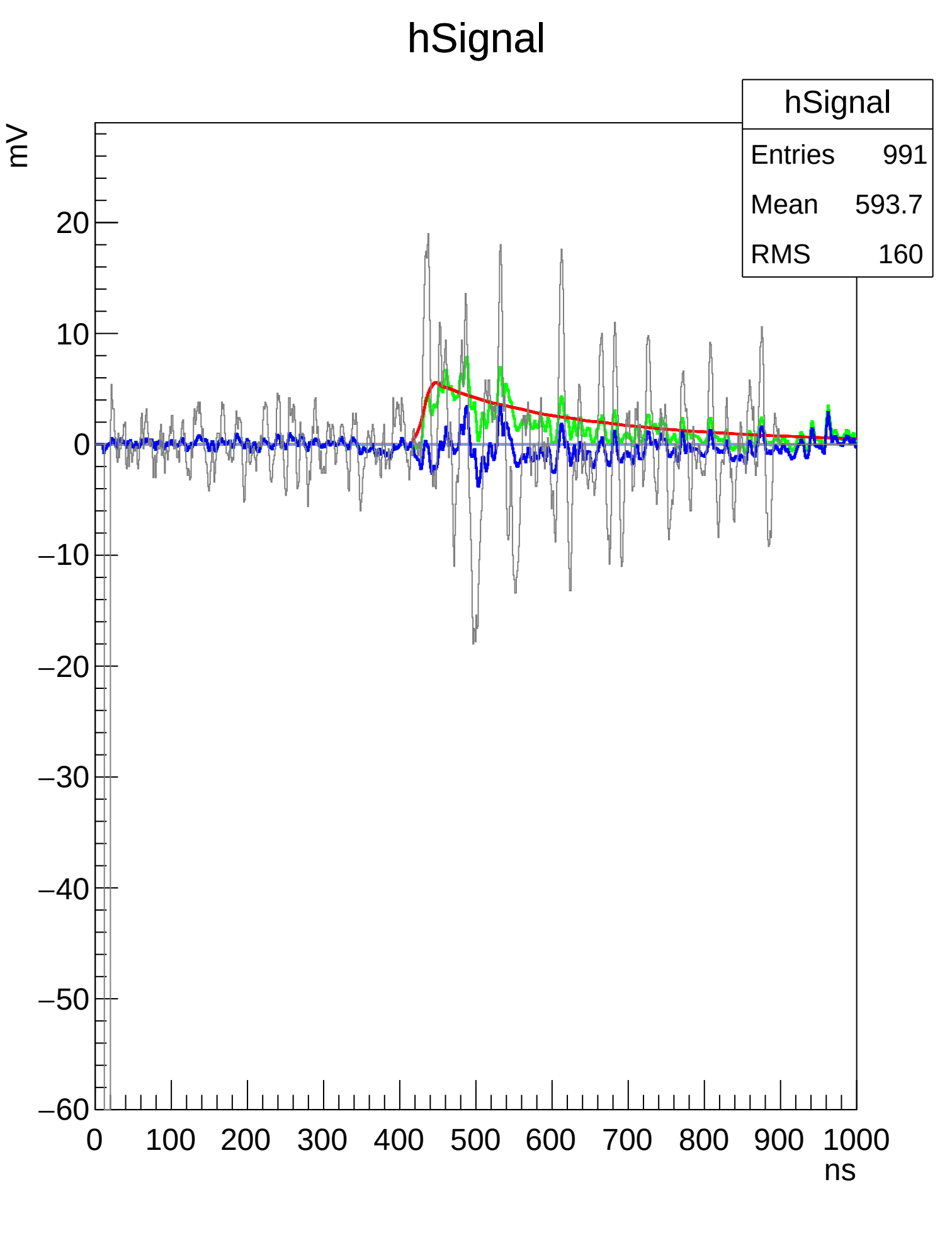
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.7
RMS 160
mV
20
10
0
−10
−20
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−40
−50
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700
800
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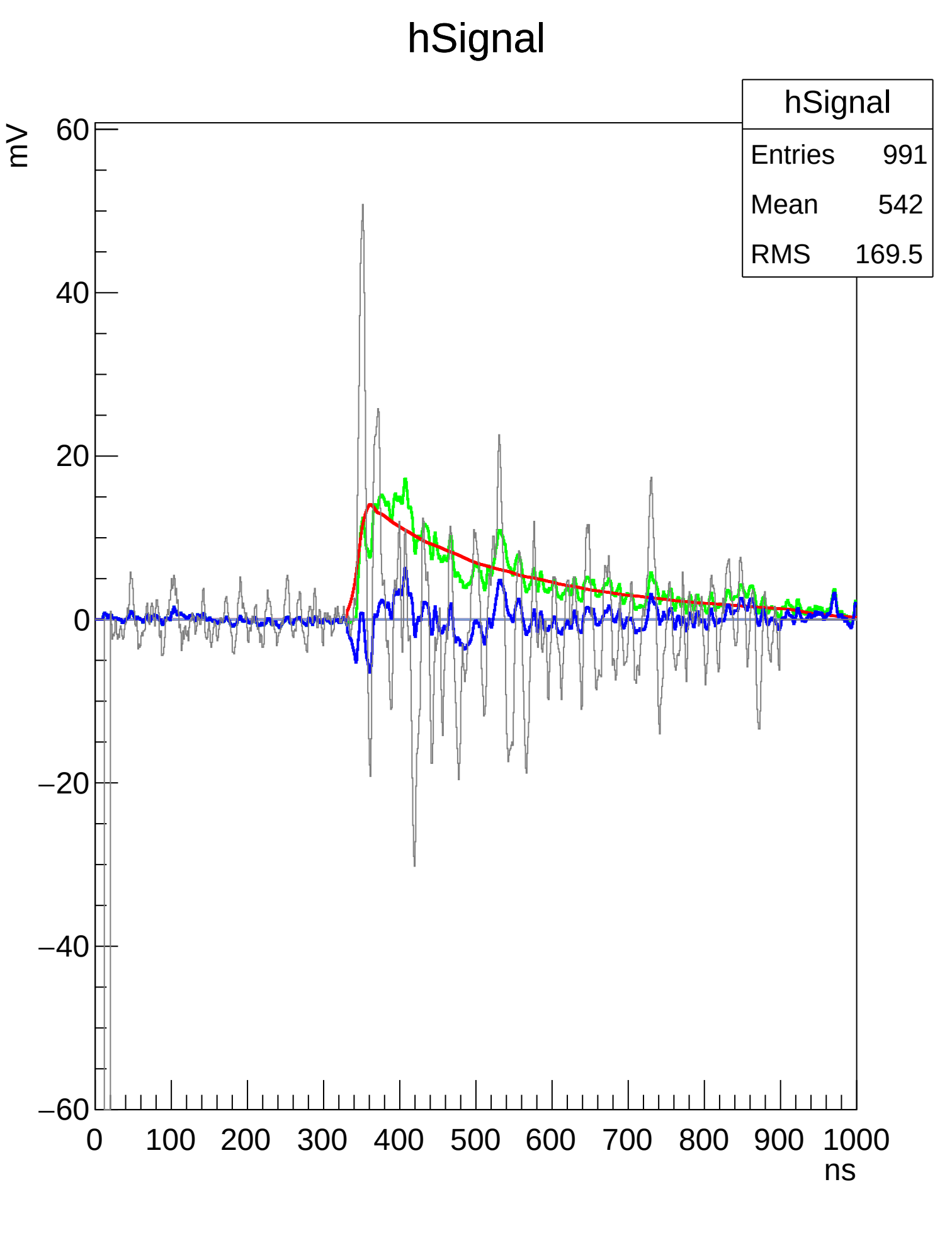
1000
ns


hSignal
hSignal
Entries 991
Mean 542
RMS 169.5
mV
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−20
−40
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100
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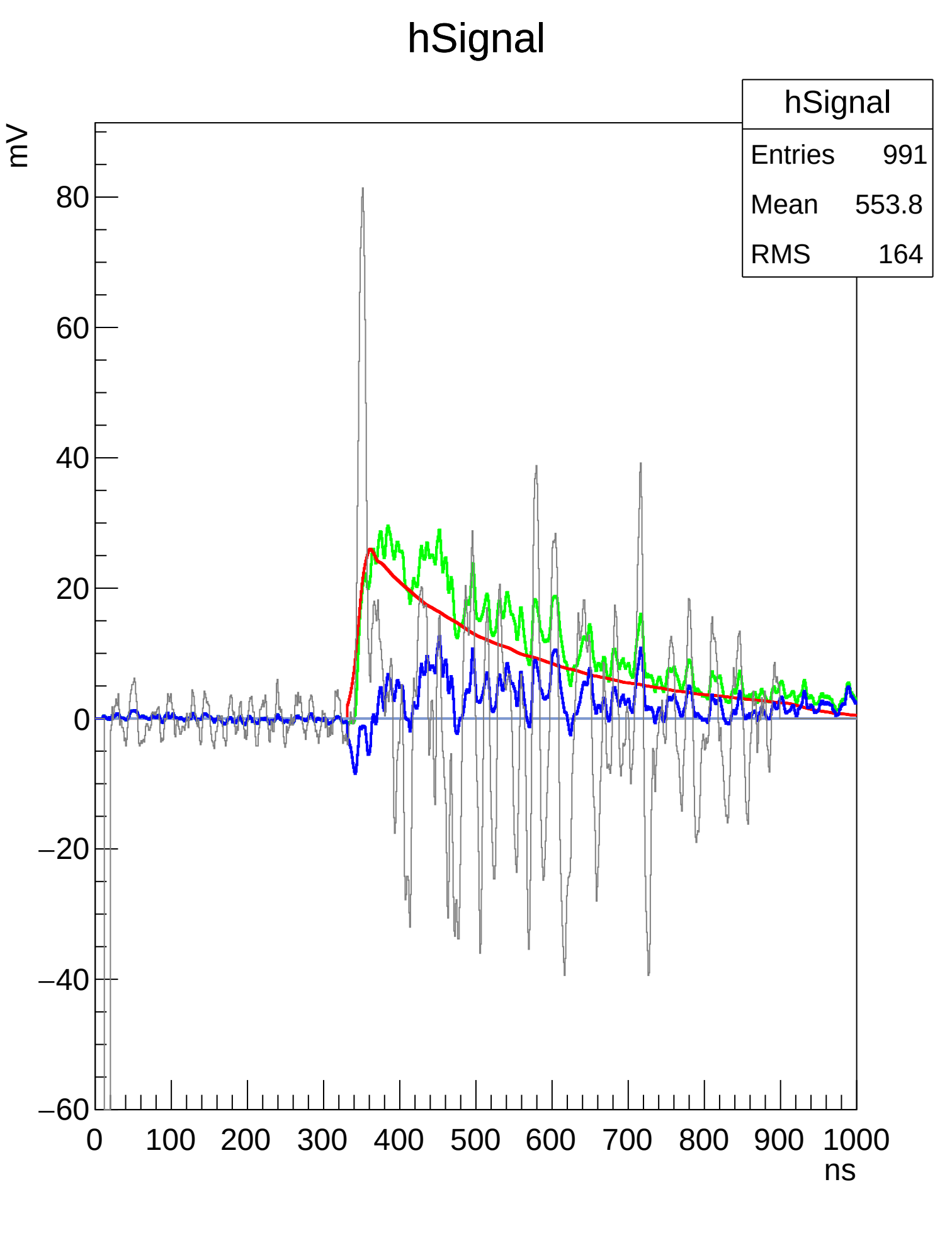
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.8
RMS 164
mV
80
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20
0
−20
−40
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0
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600
700
800
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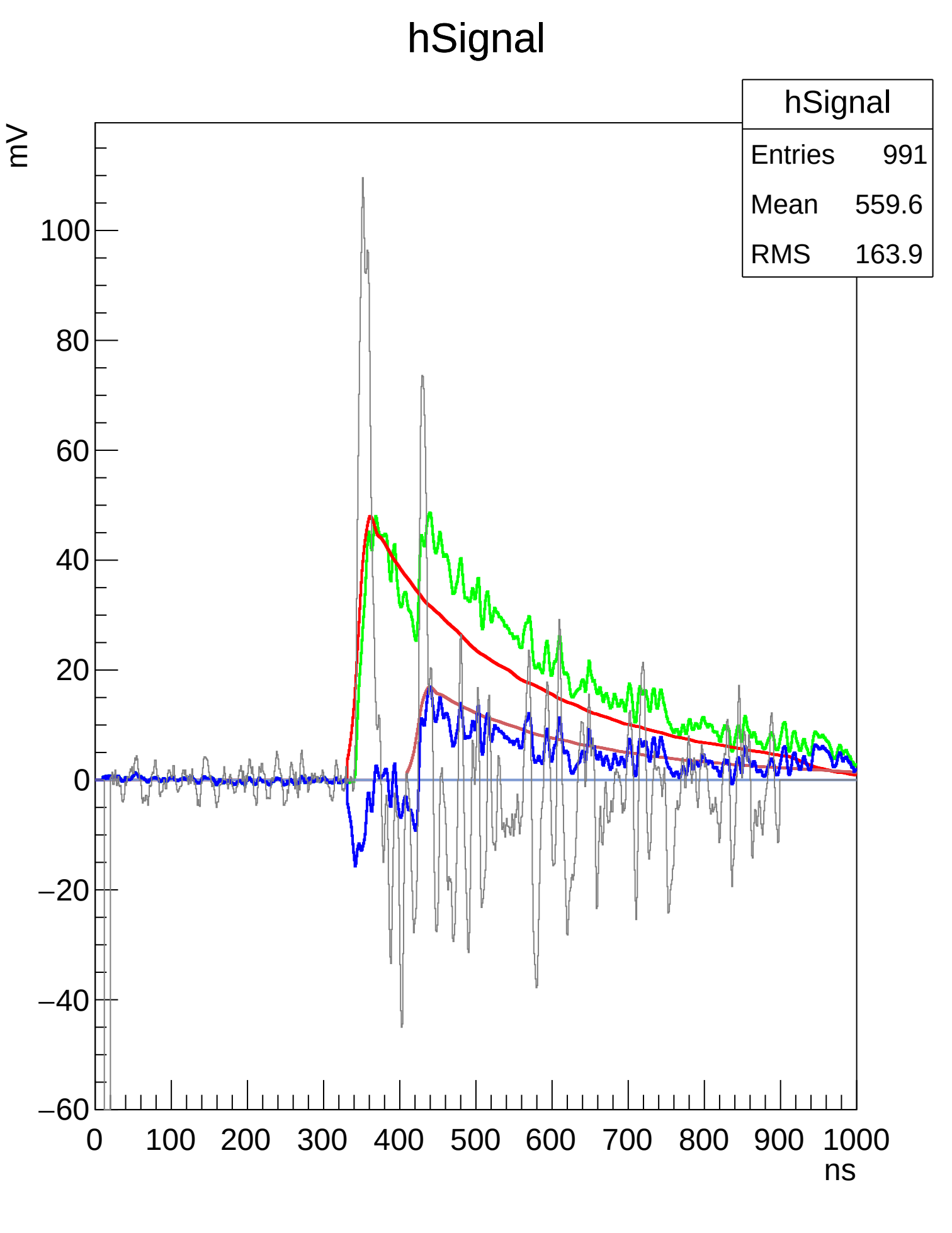
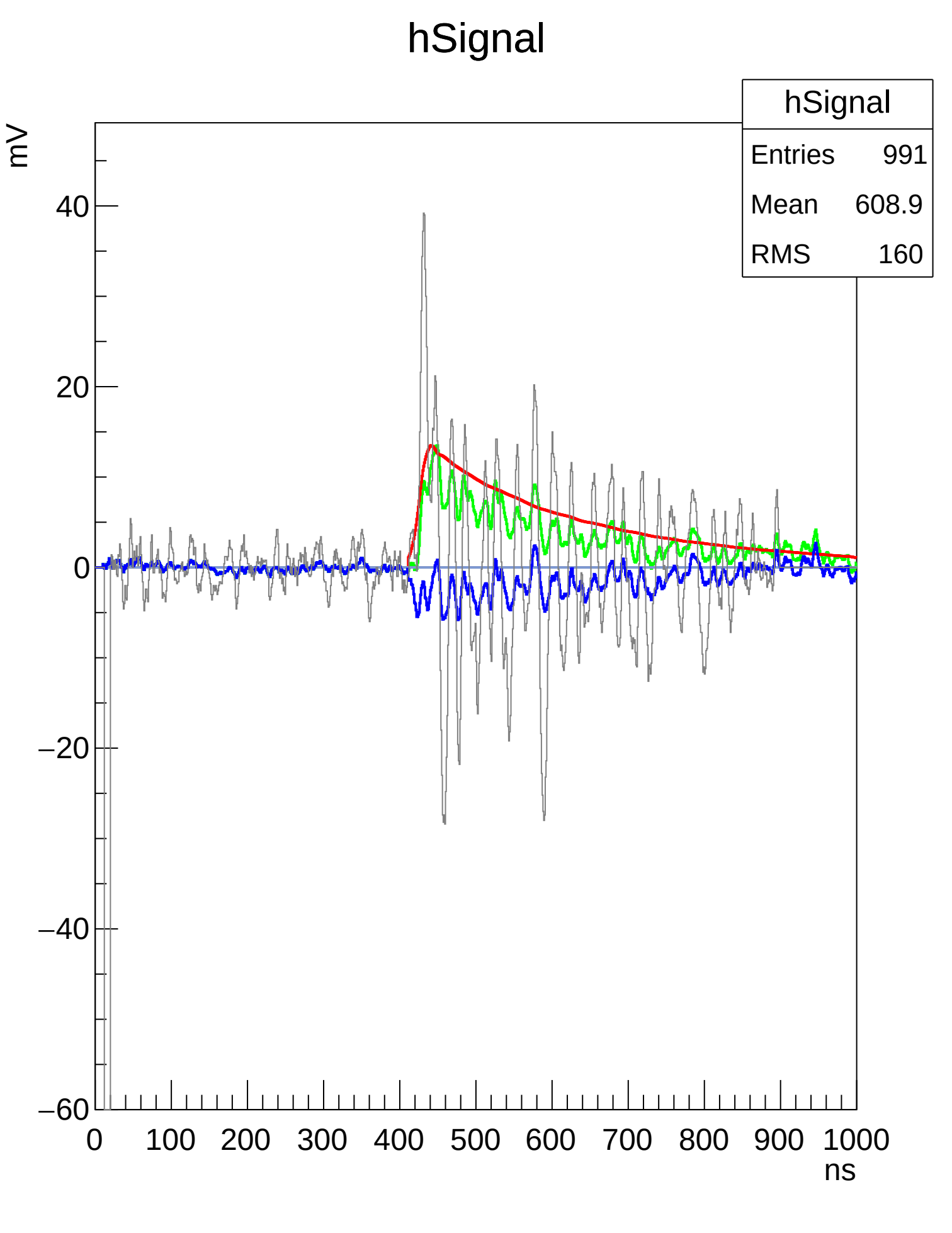
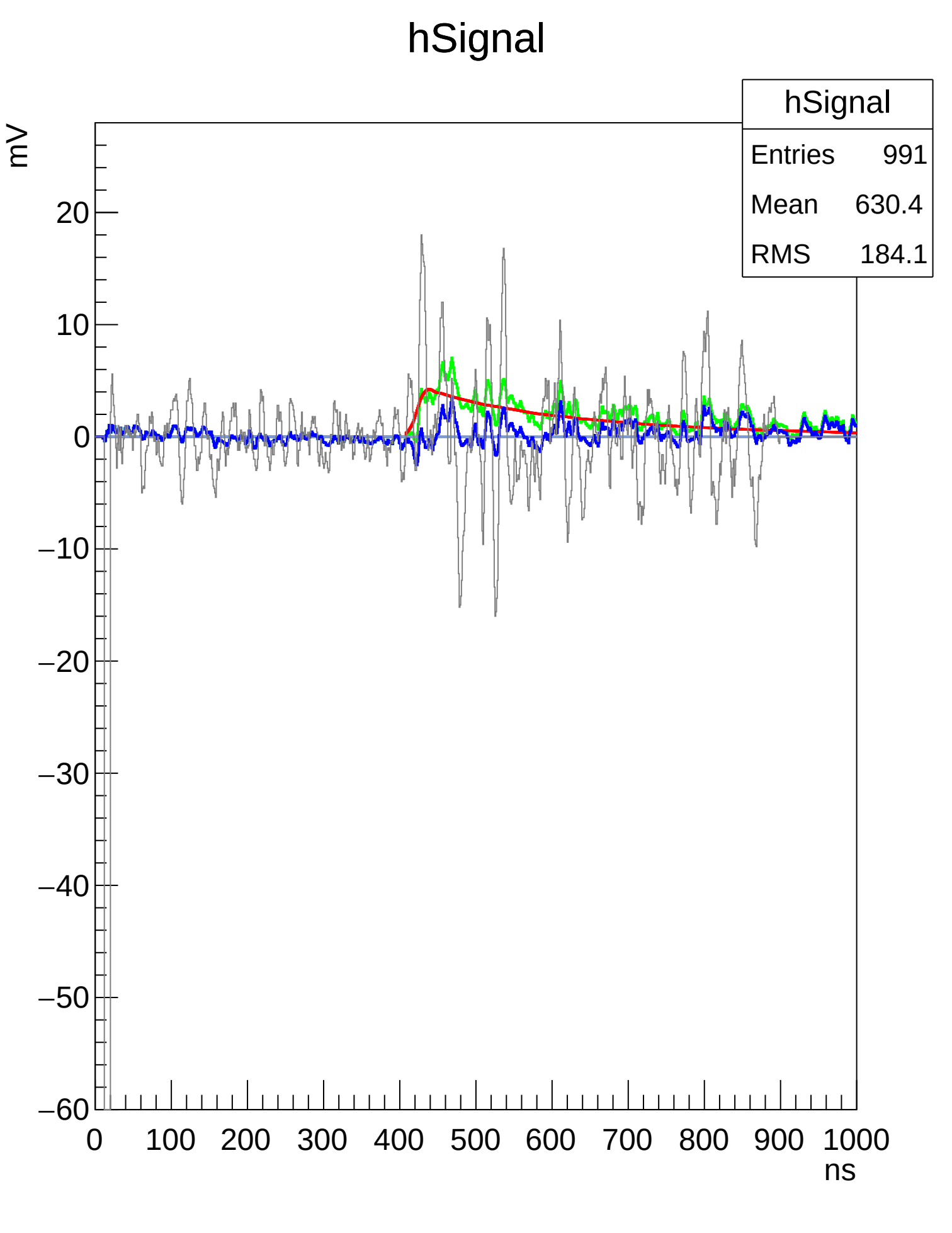
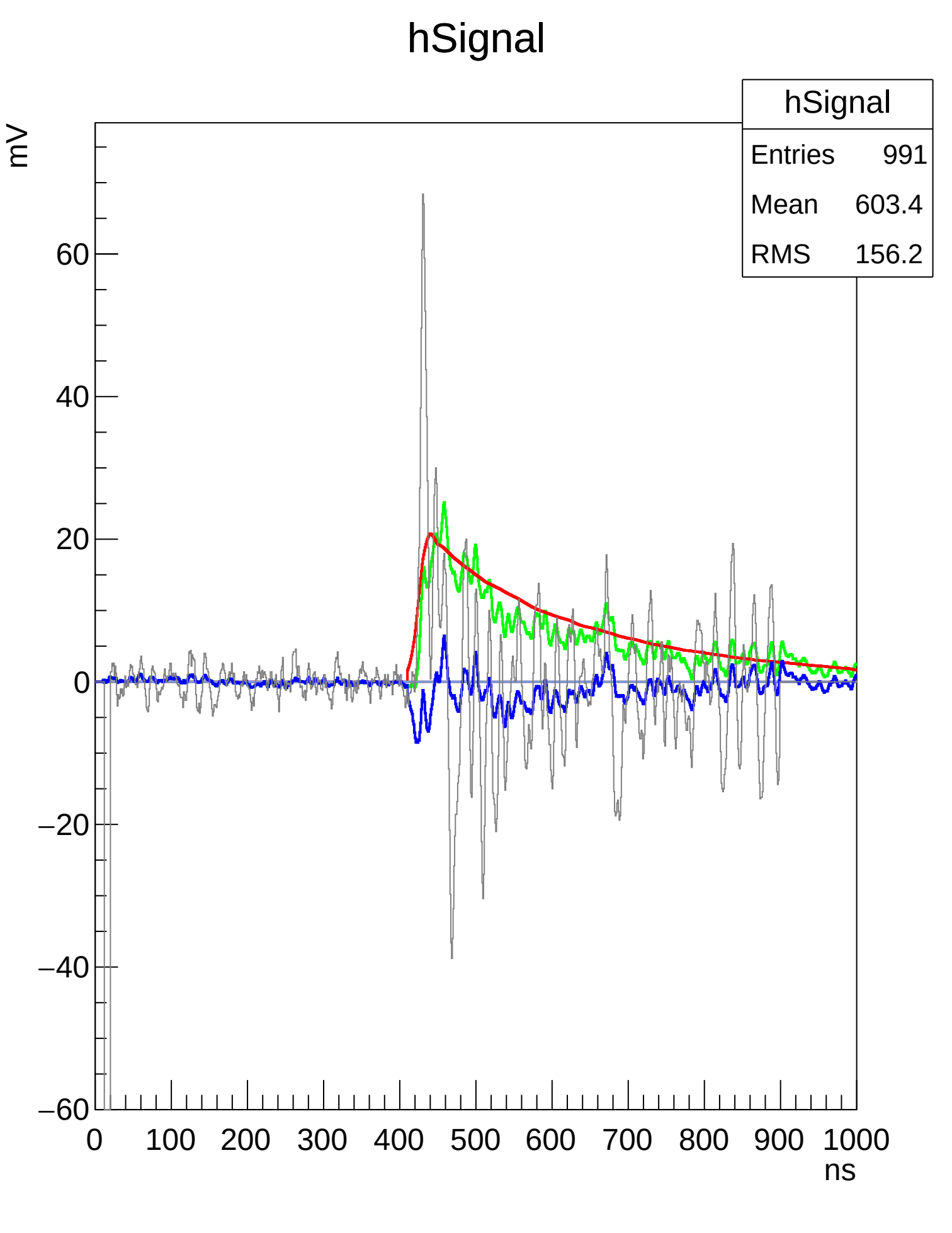
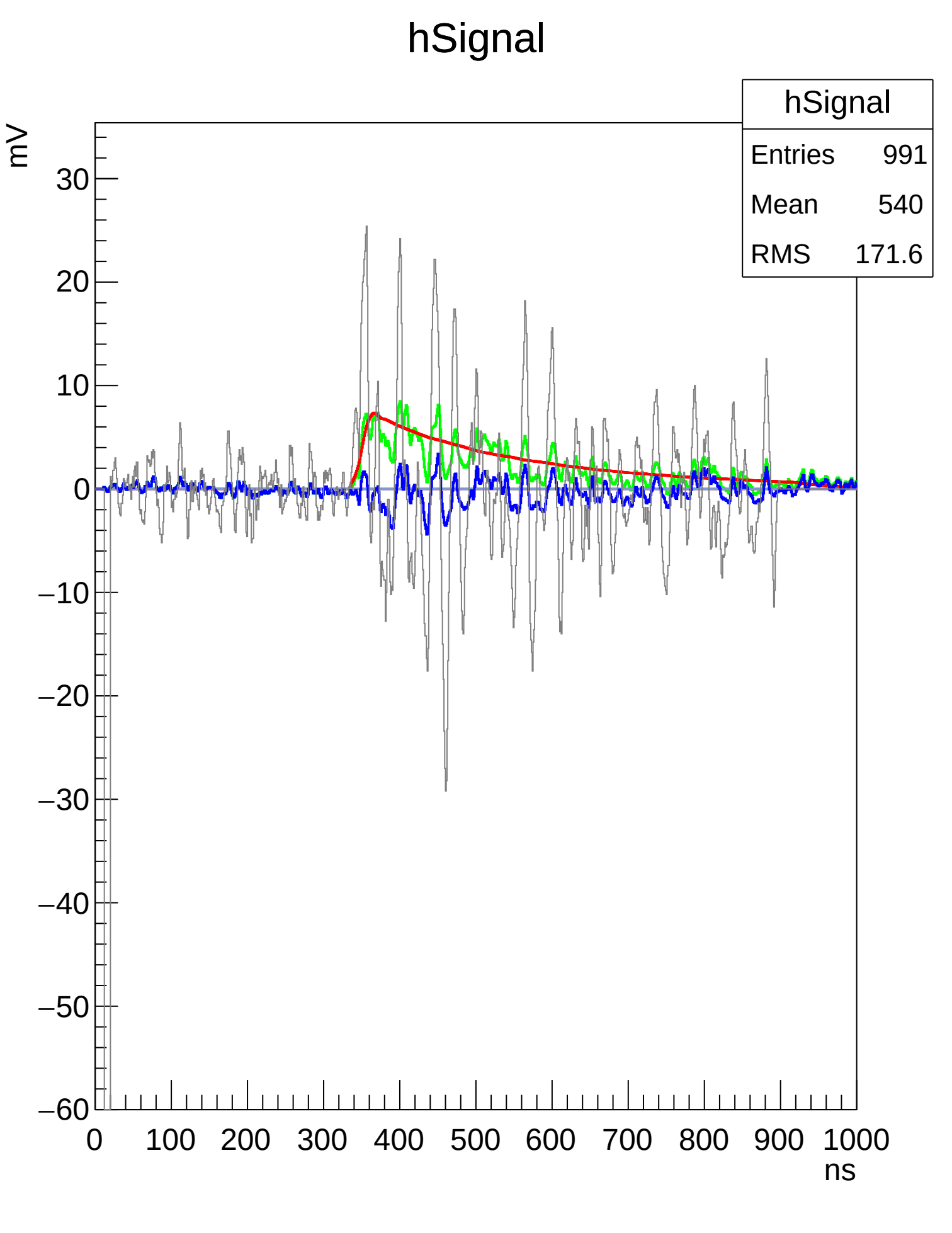
1000
ns

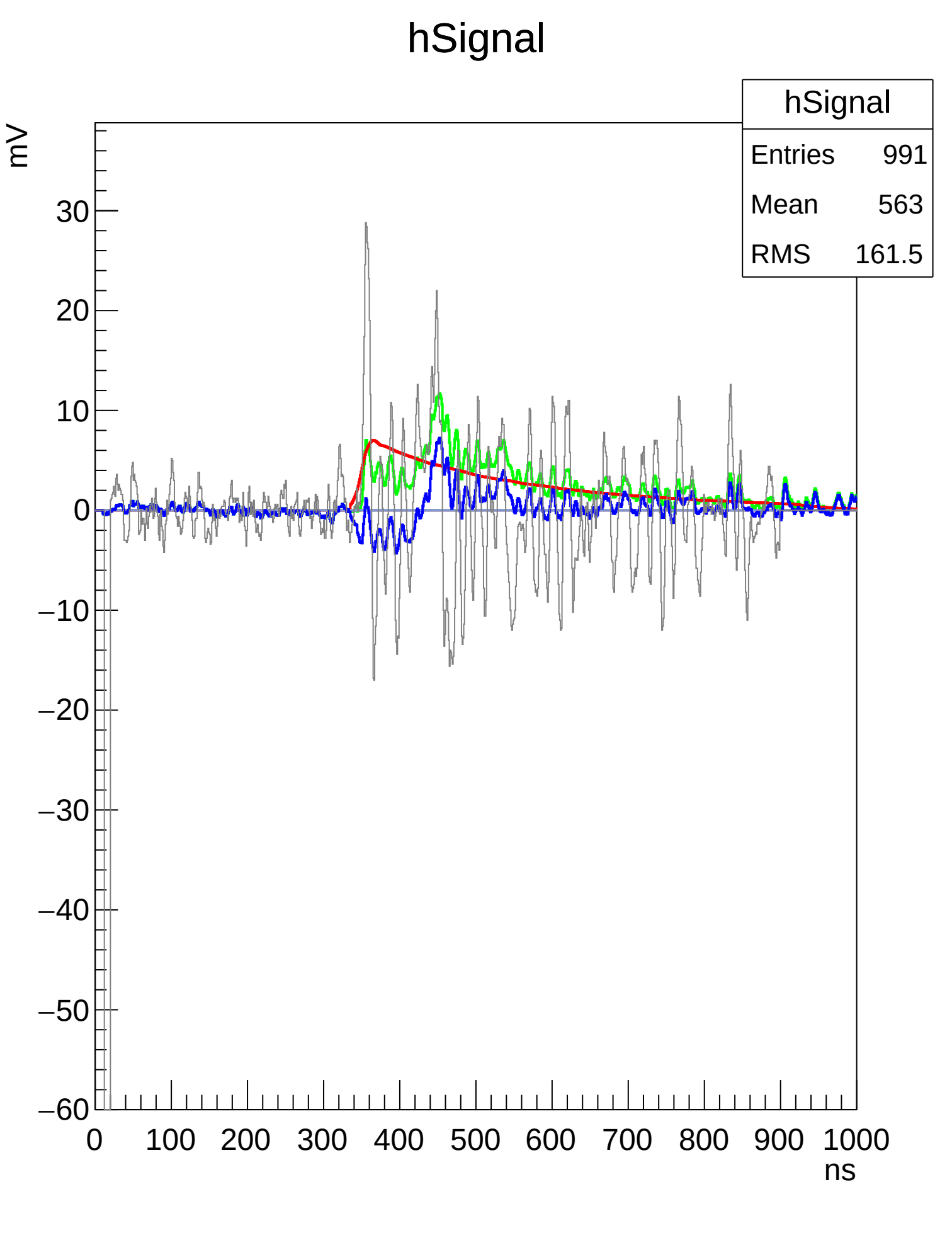

hSignal
hSignal
Entries 991
Mean 559.6
RMS 163.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

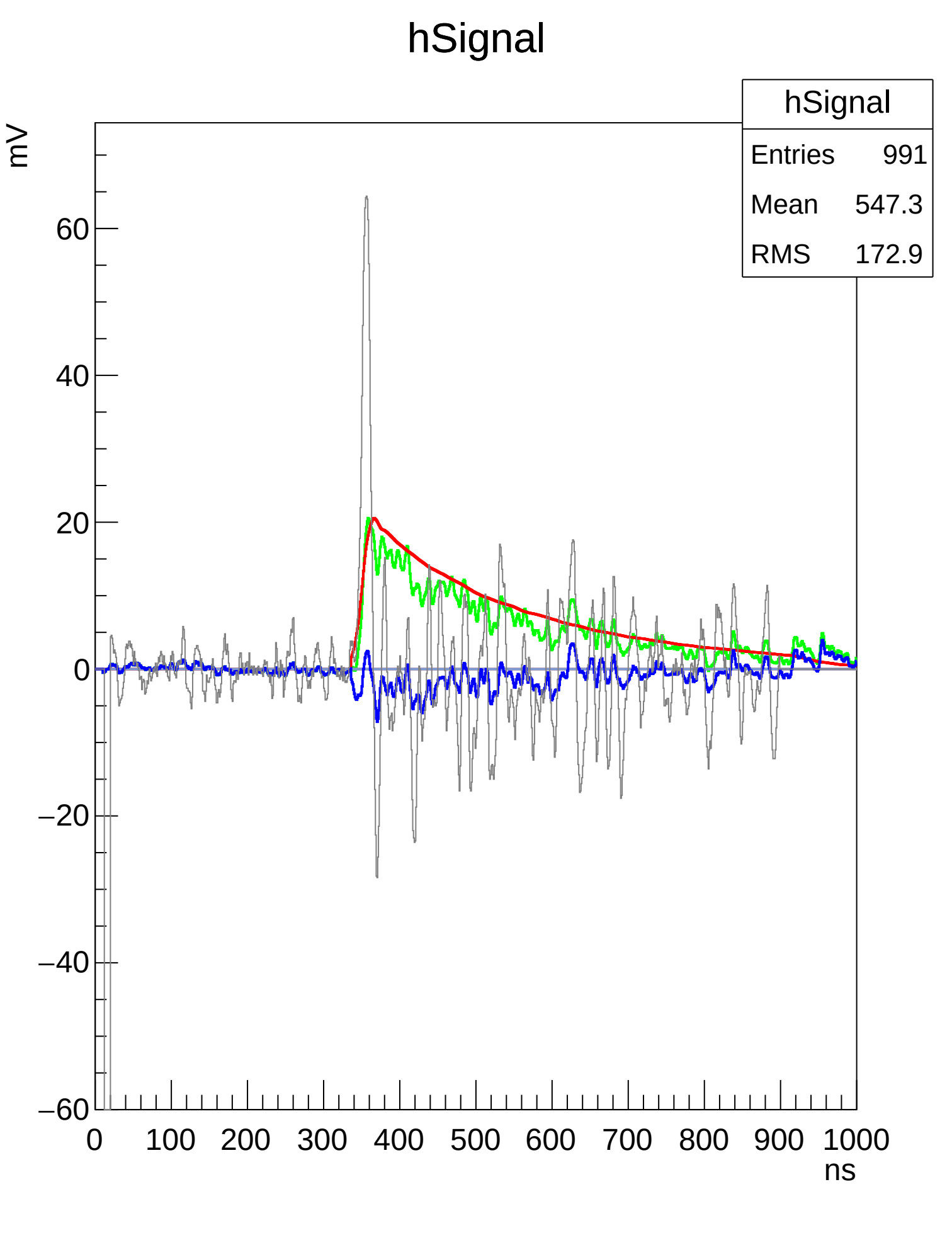

hSignal
hSignal
Entries 991
Mean 608.9
RMS 160
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

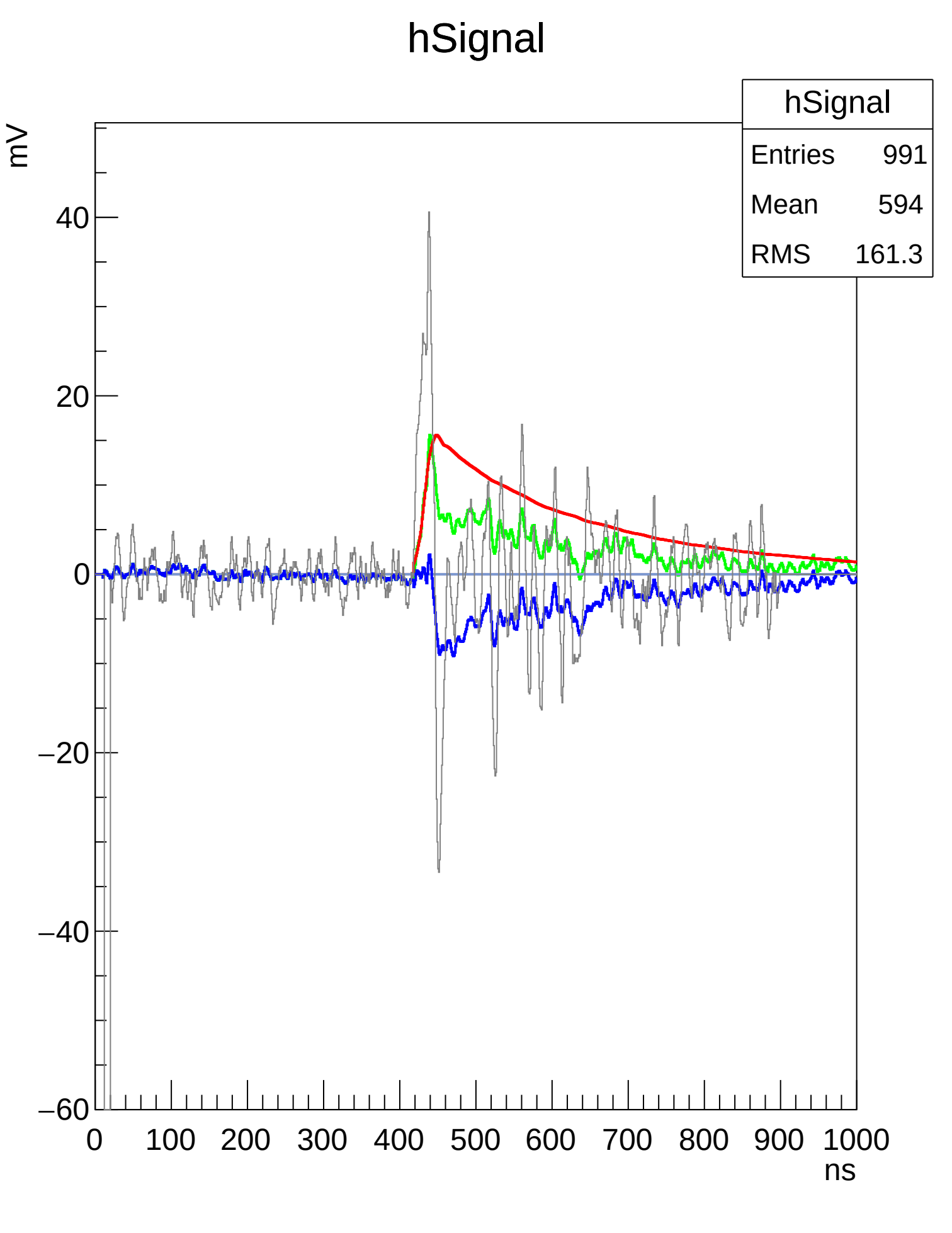

hSignal
hSignal
Entries 991
Mean 630.4
RMS 184.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

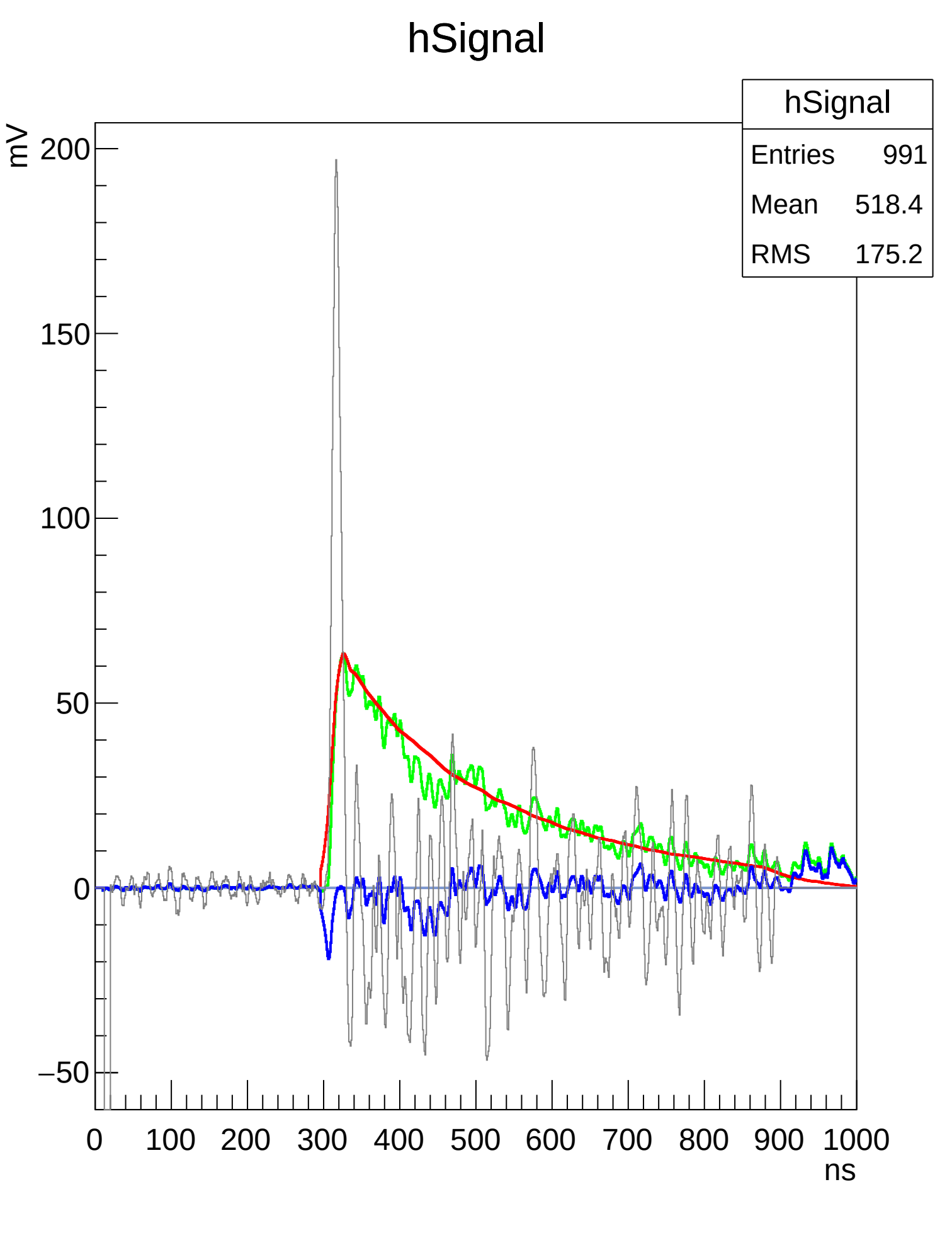

hSignal
hSignal
Entries 991
Mean 603.4
RMS 156.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

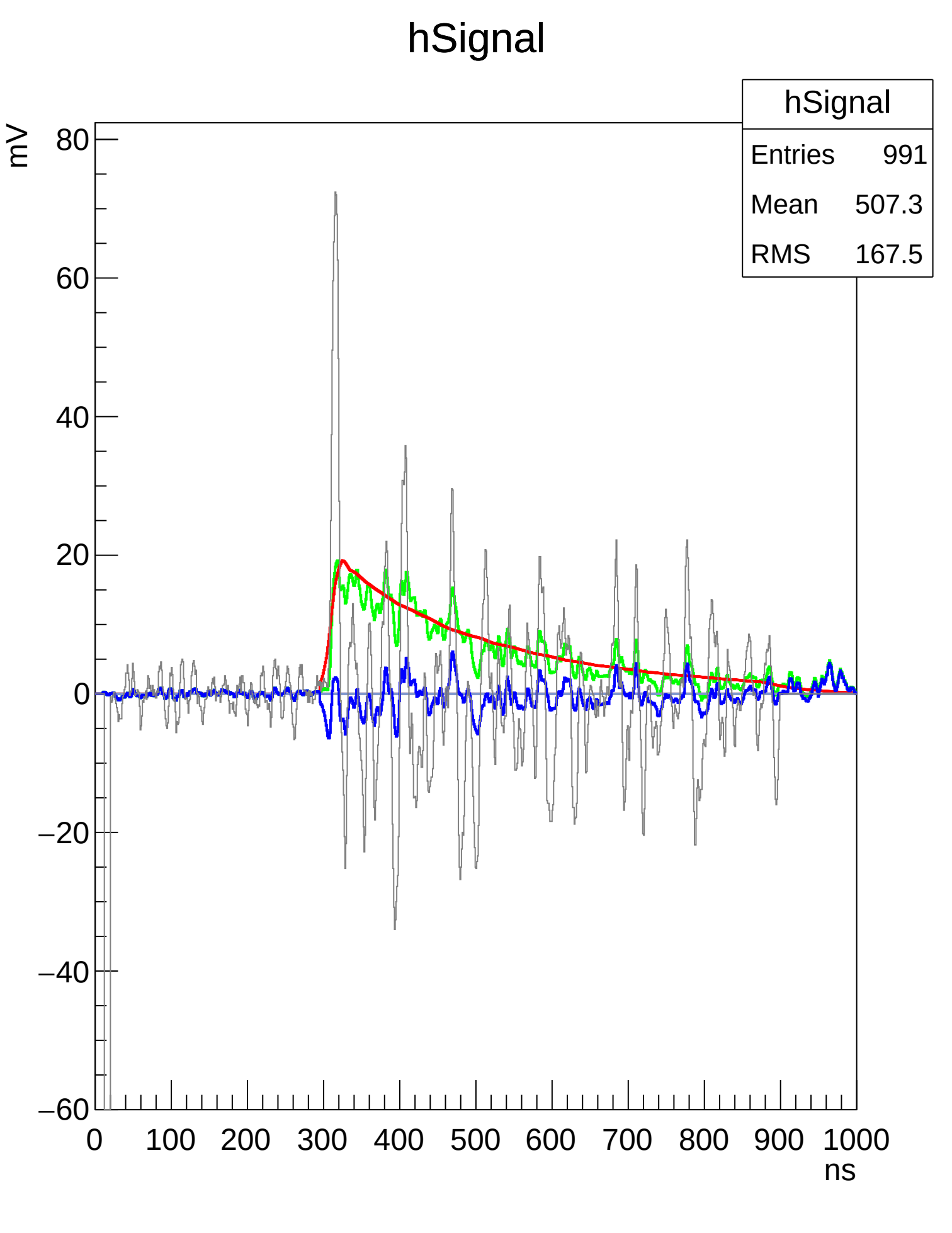

hSignal
hSignal
Entries 991
Mean 540
RMS 171.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

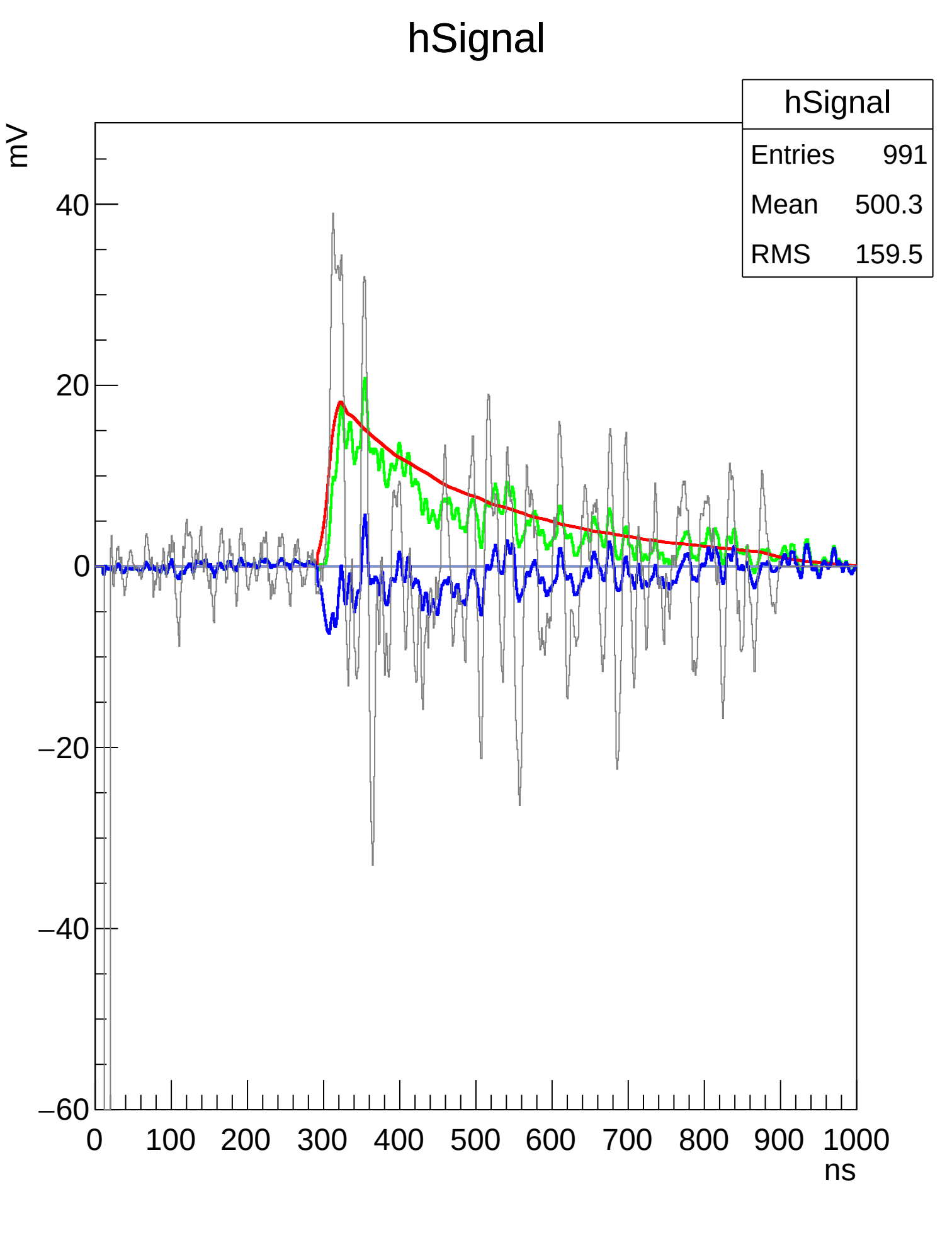

hSignal
hSignal
Entries 991
Mean 563
RMS 161.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

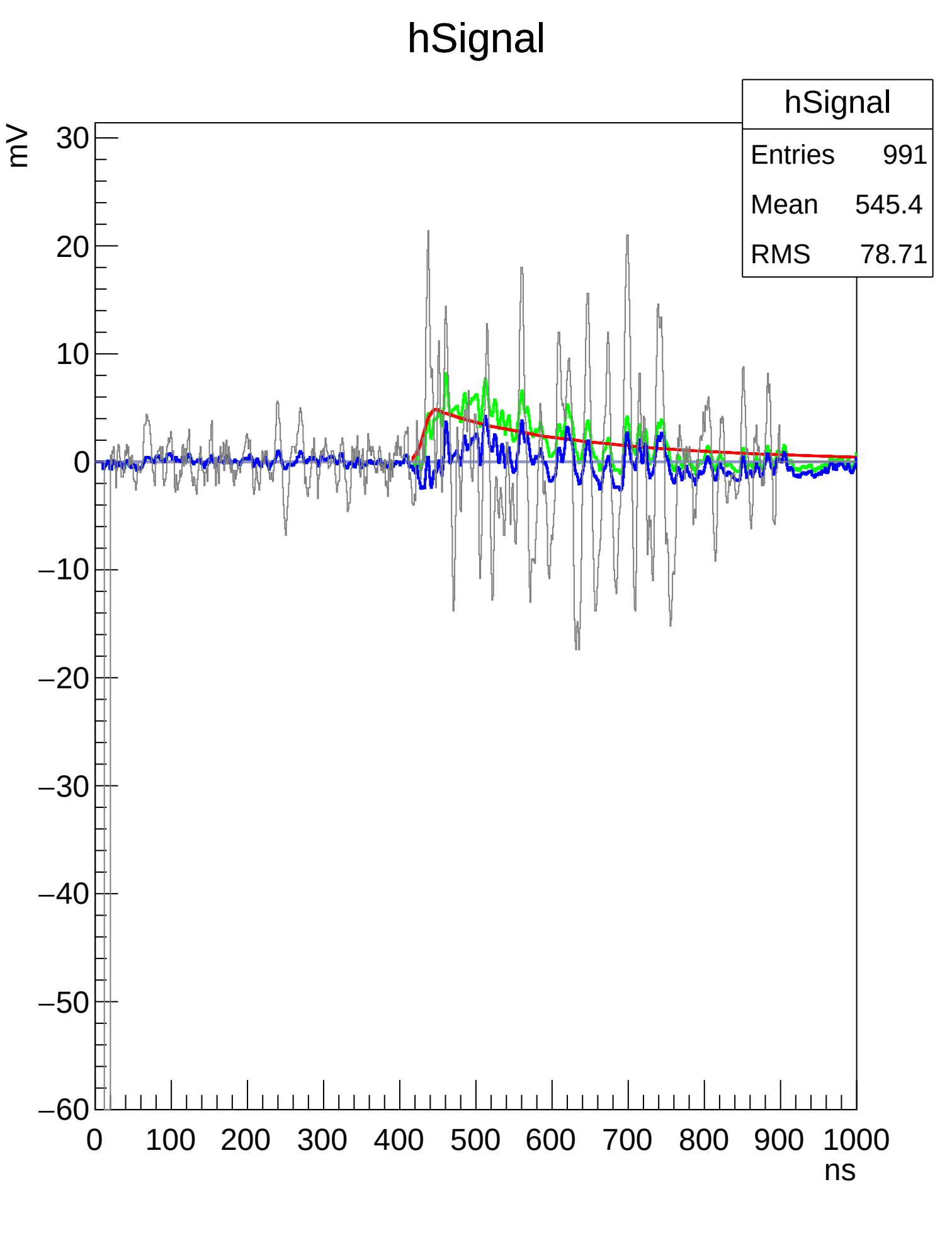

hSignal
hSignal
Entries 991
Mean 547.3
RMS 172.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

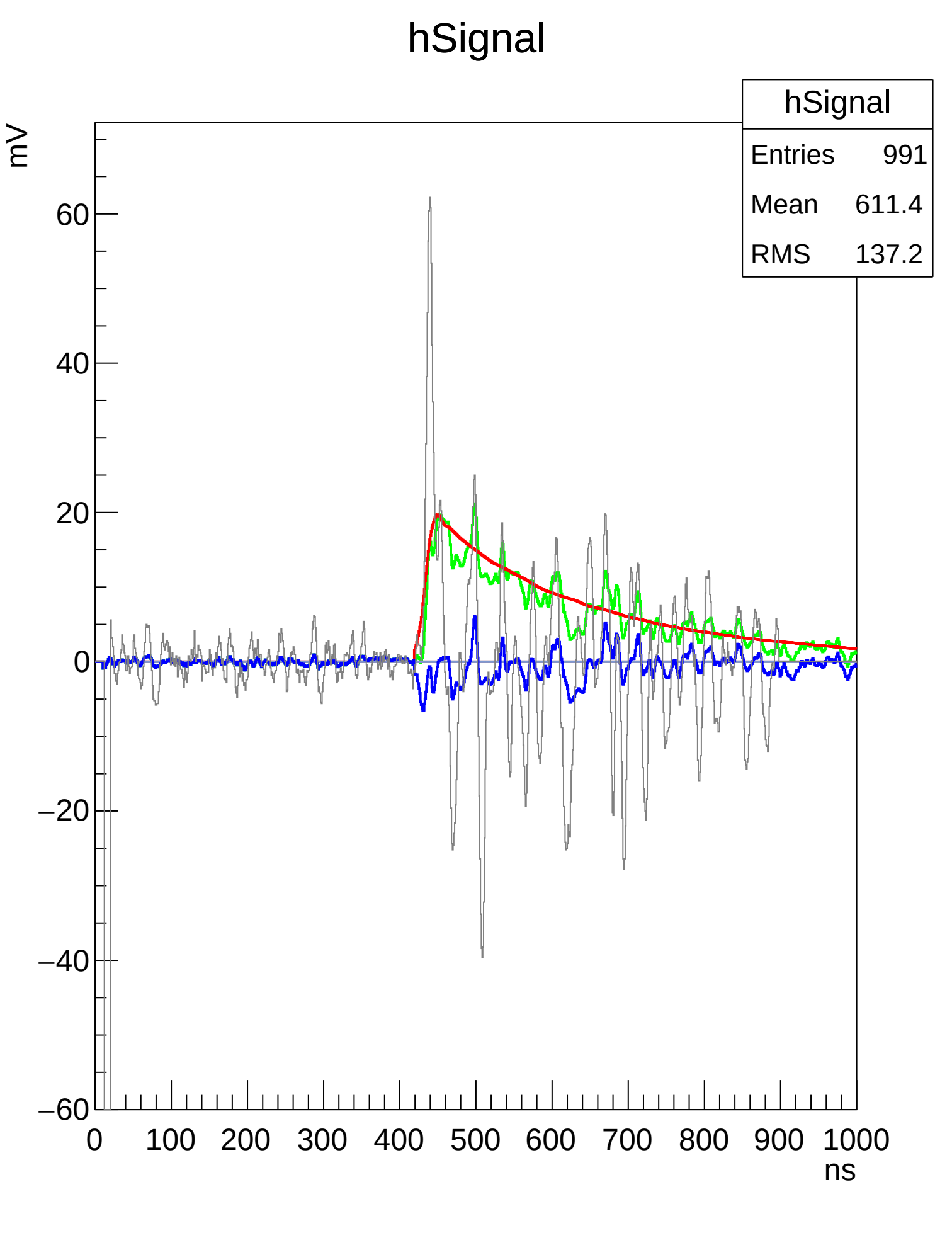

hSignal
hSignal
Entries 991
Mean 594
RMS 161.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

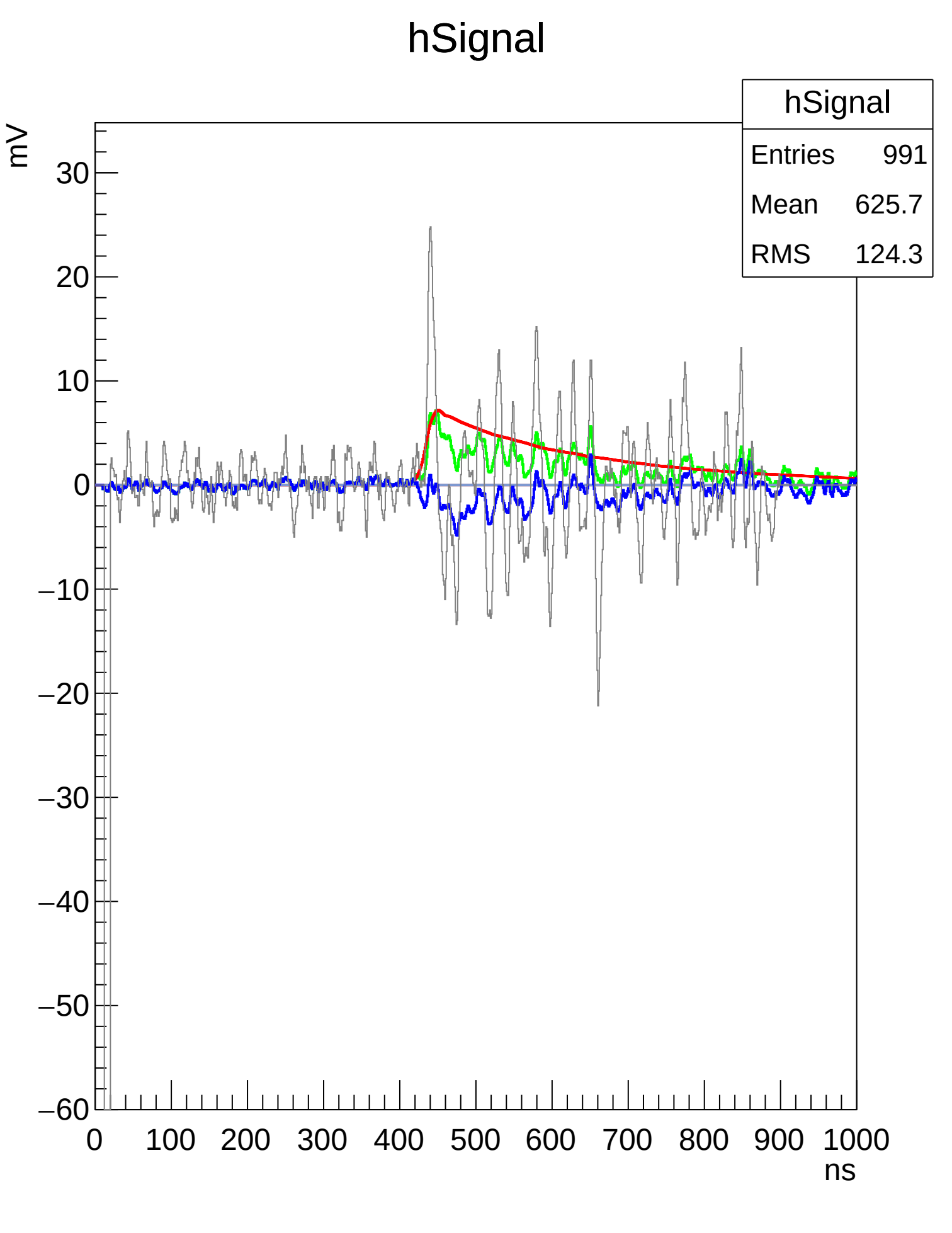

hSignal
hSignal
Entries 991
Mean 518.4
RMS 175.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

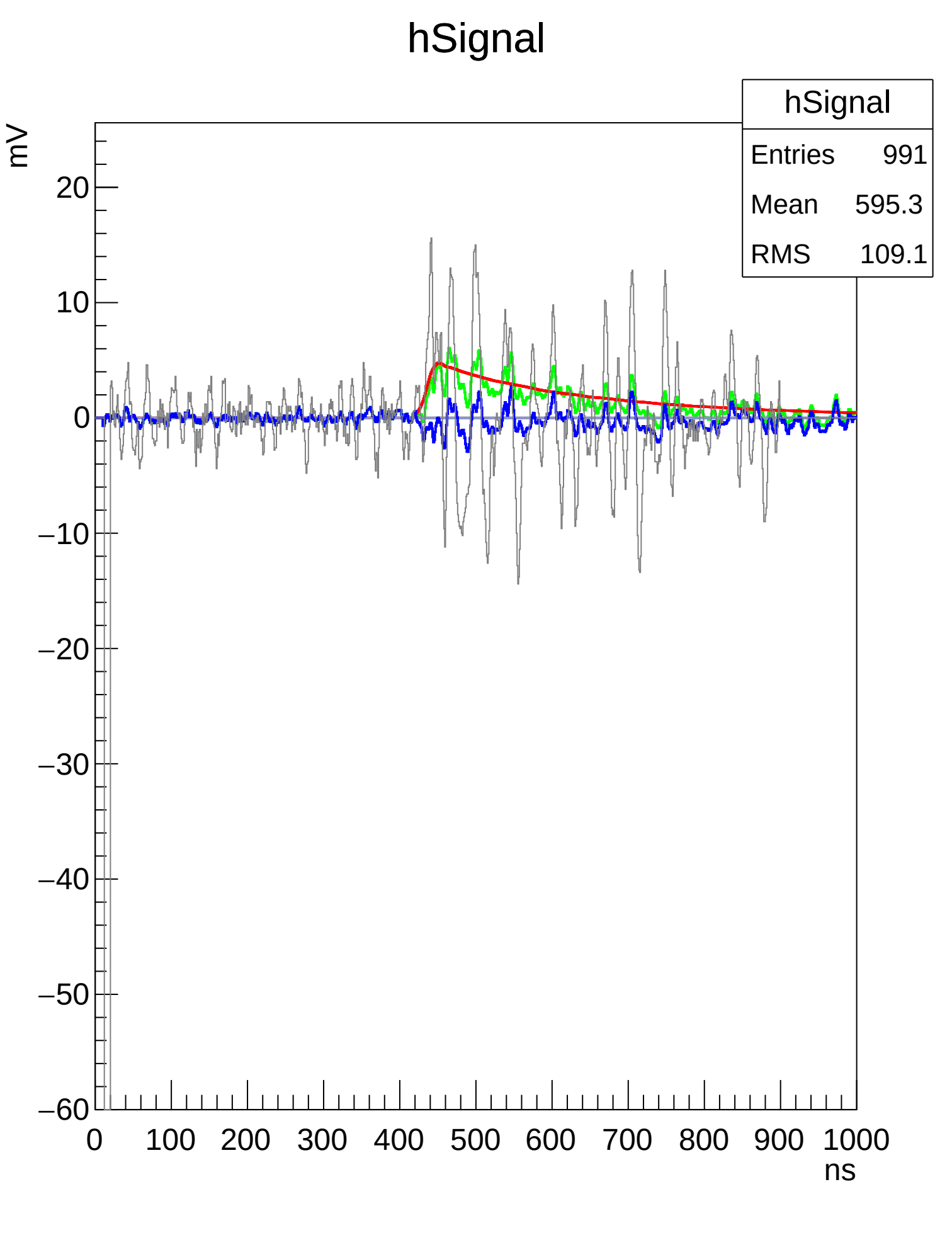

hSignal
hSignal
Entries 991
Mean 507.3
RMS 167.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

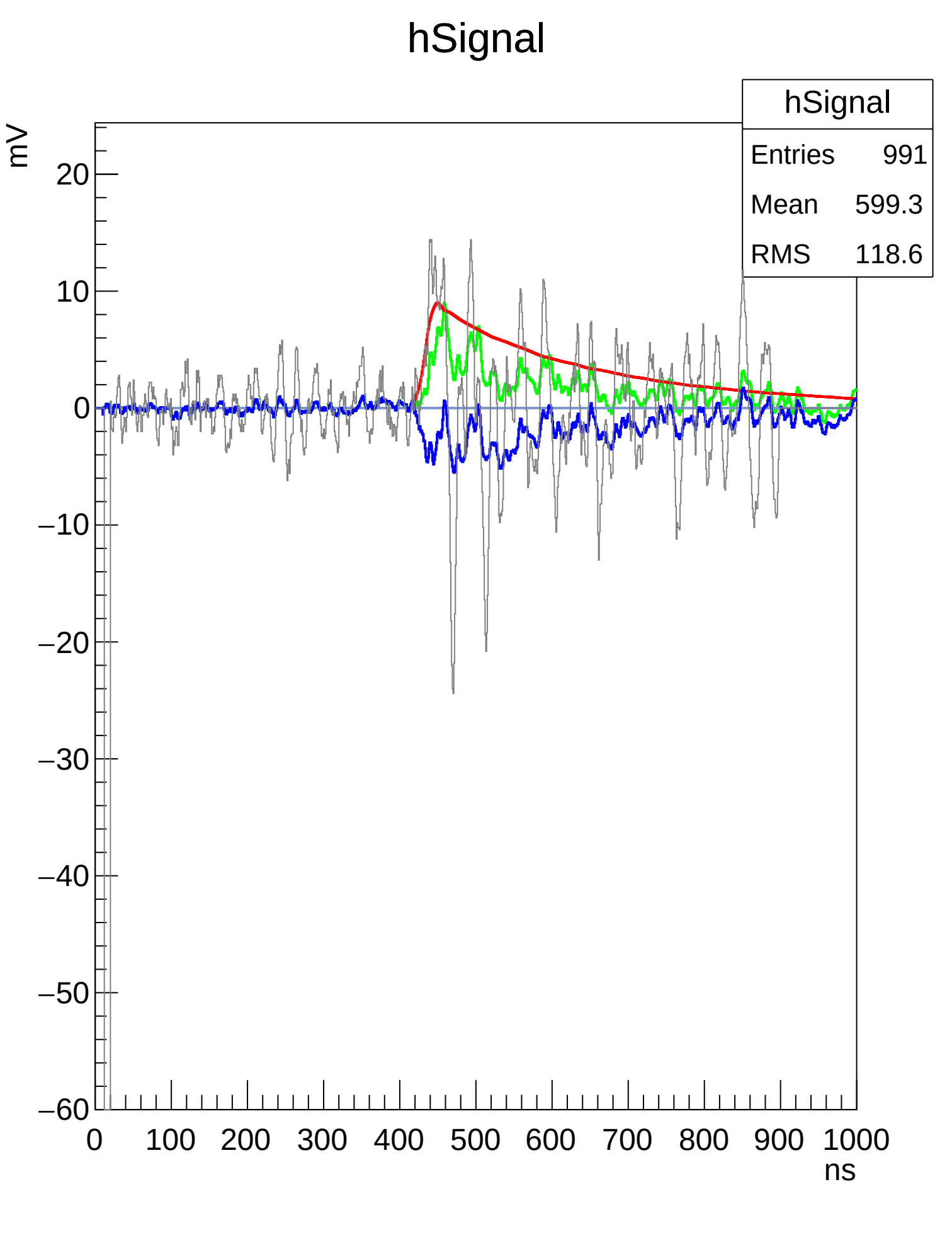

hSignal
hSignal
Entries 991
Mean 500.3
RMS 159.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

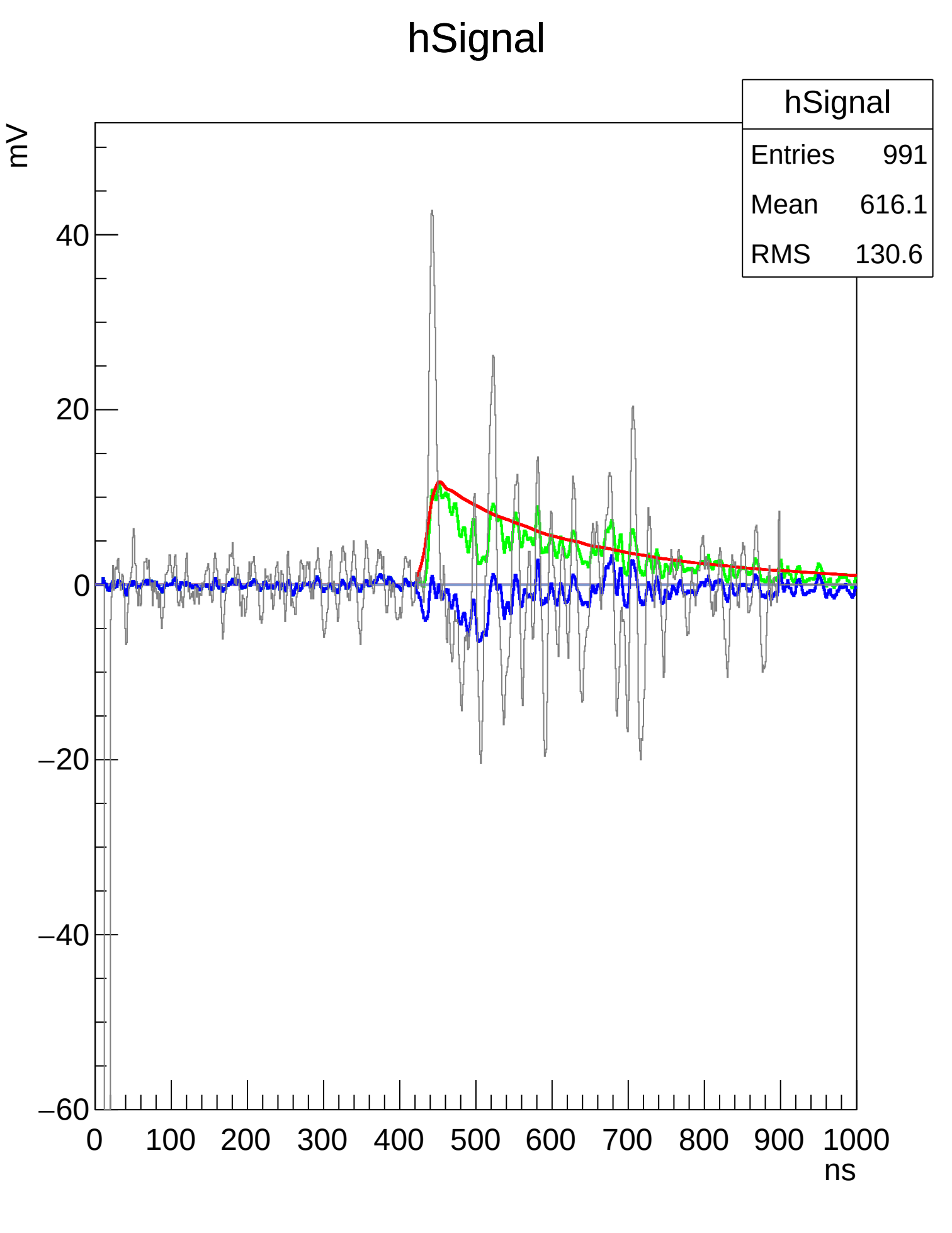

hSignal
hSignal
Entries 991
Mean 545.4
RMS 78.71
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

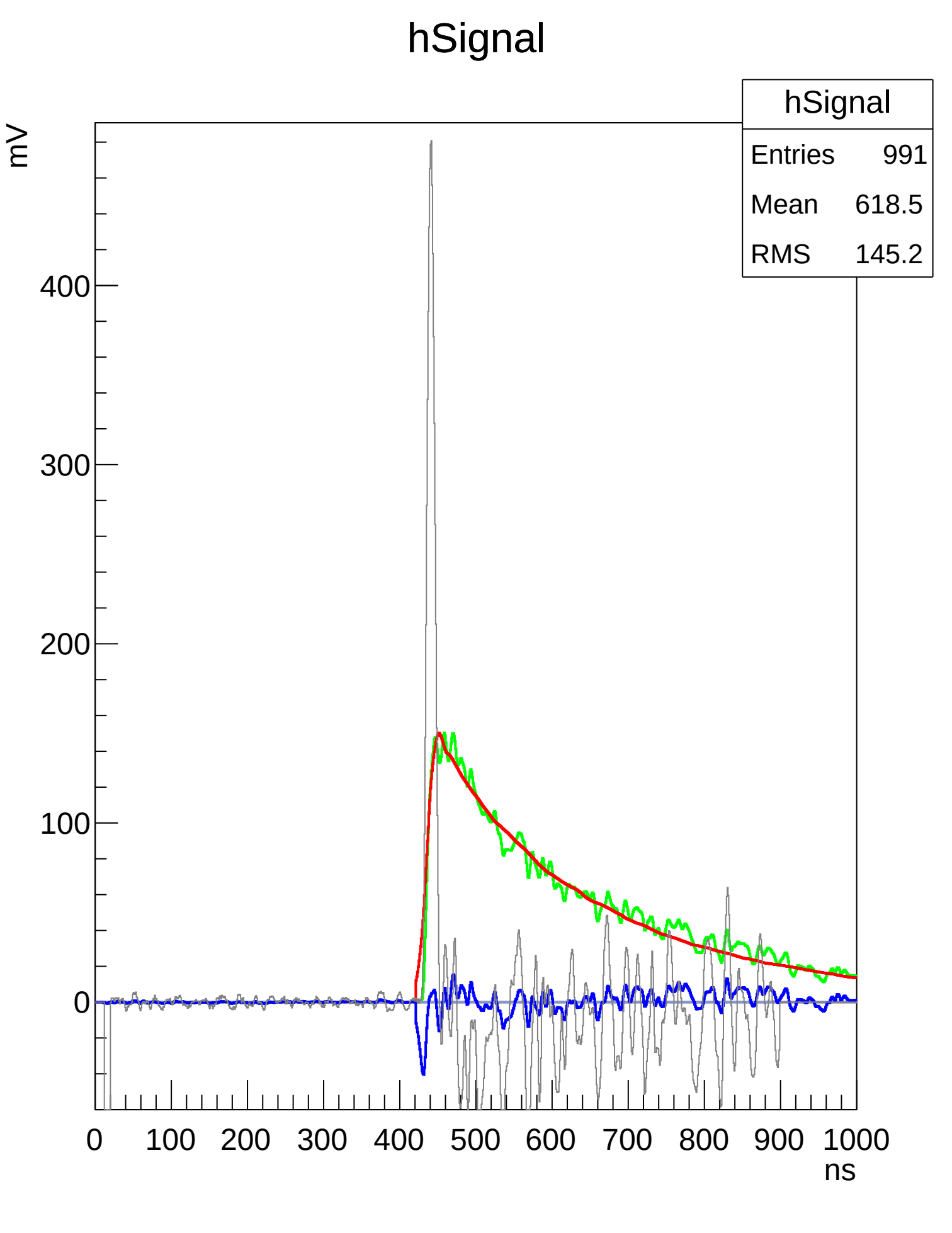

hSignal
hSignal
Entries 991
Mean 611.4
RMS 137.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

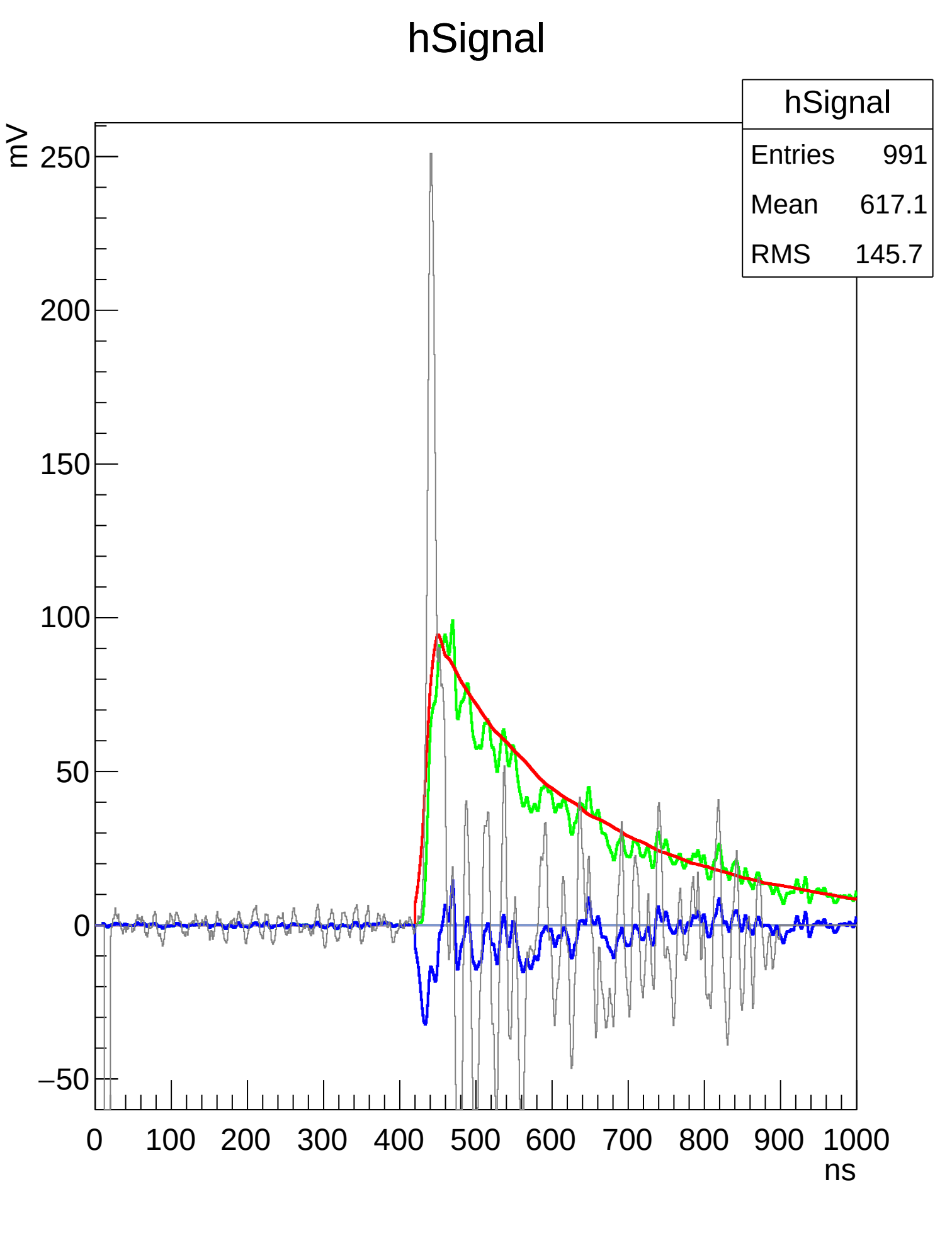

hSignal
hSignal
Entries 991
Mean 625.7
RMS 124.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

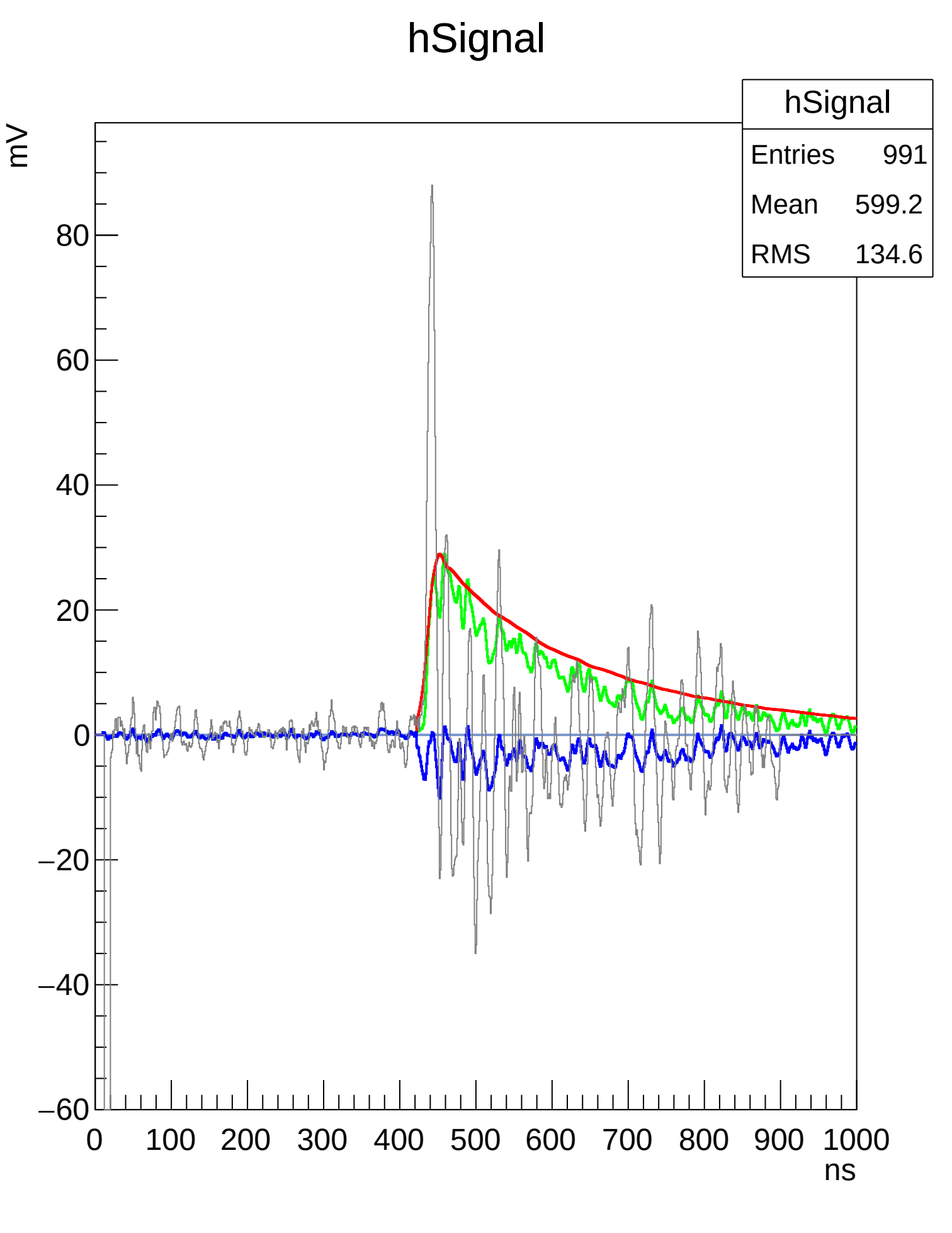

hSignal
hSignal
Entries 991
Mean 595.3
RMS 109.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.3
RMS 118.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.1
RMS 130.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.5
RMS 145.2
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 617.1
RMS 145.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.2
RMS 134.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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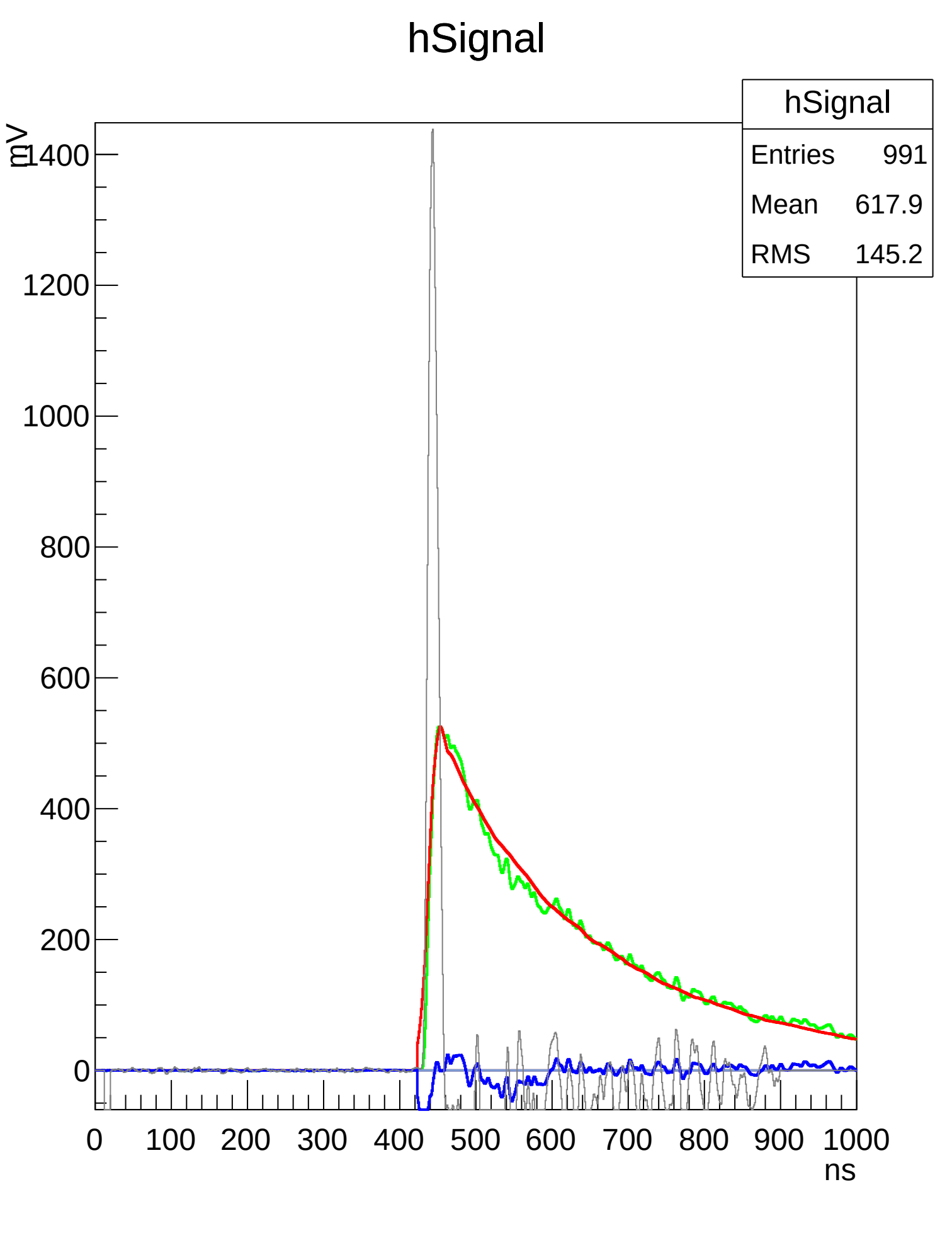
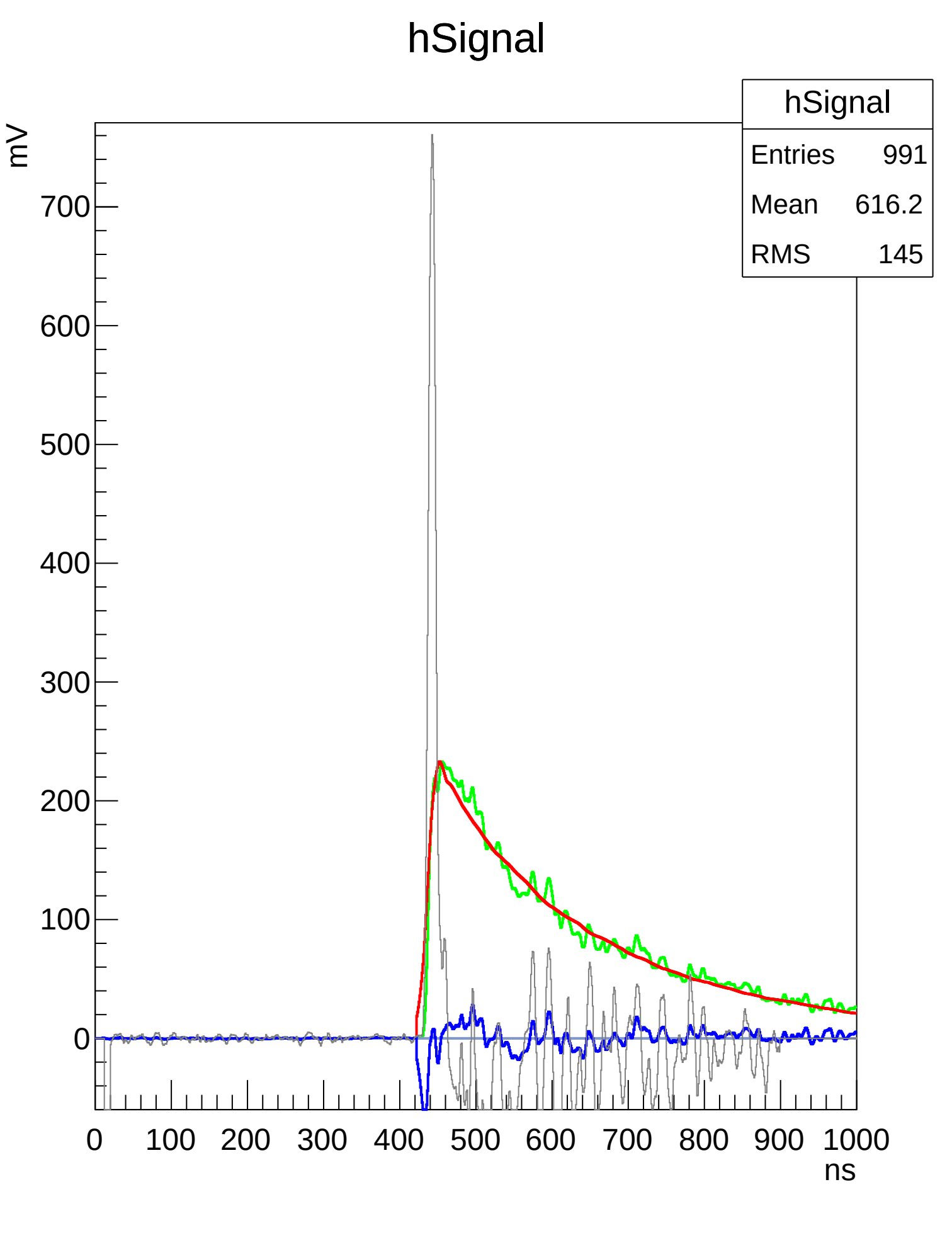
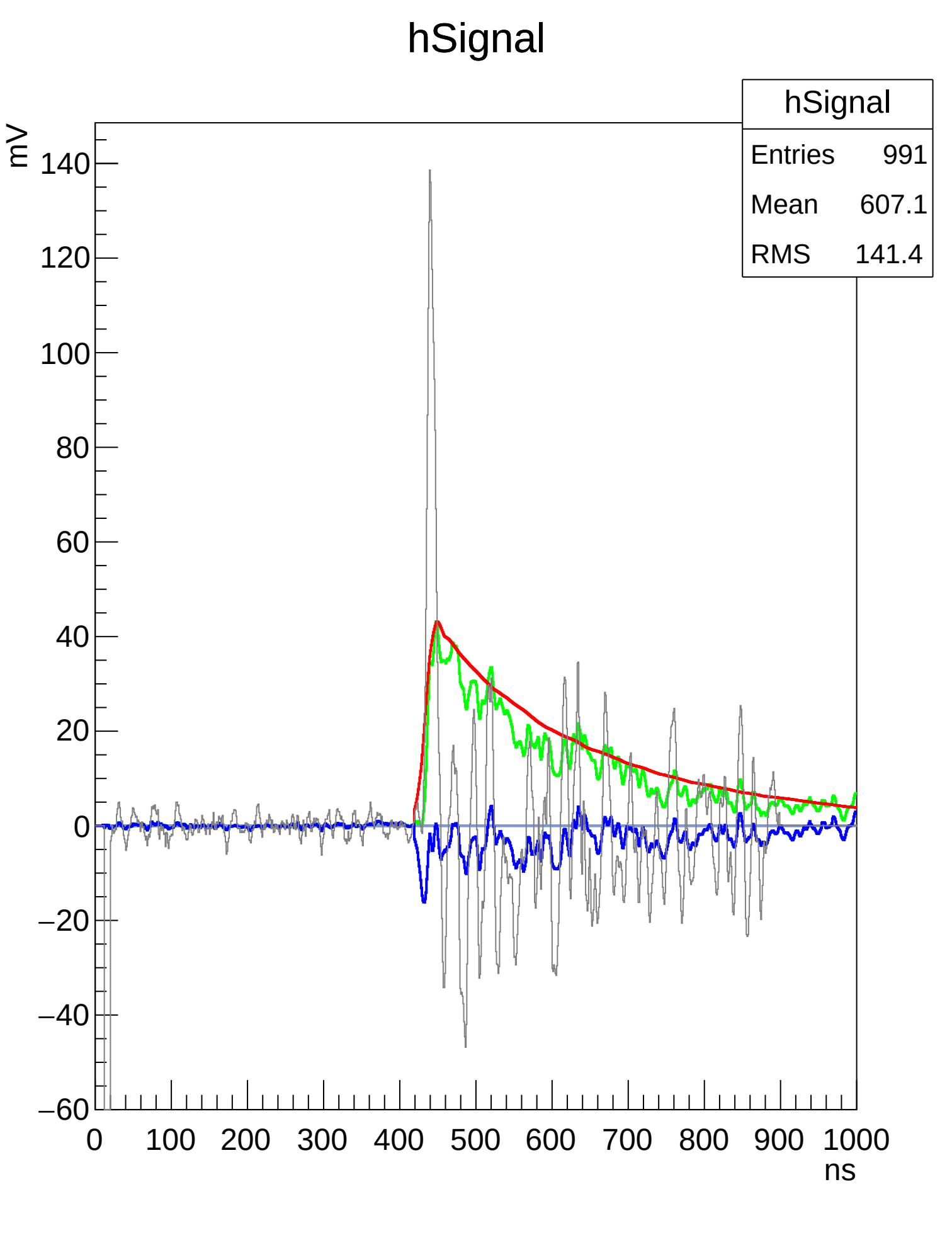
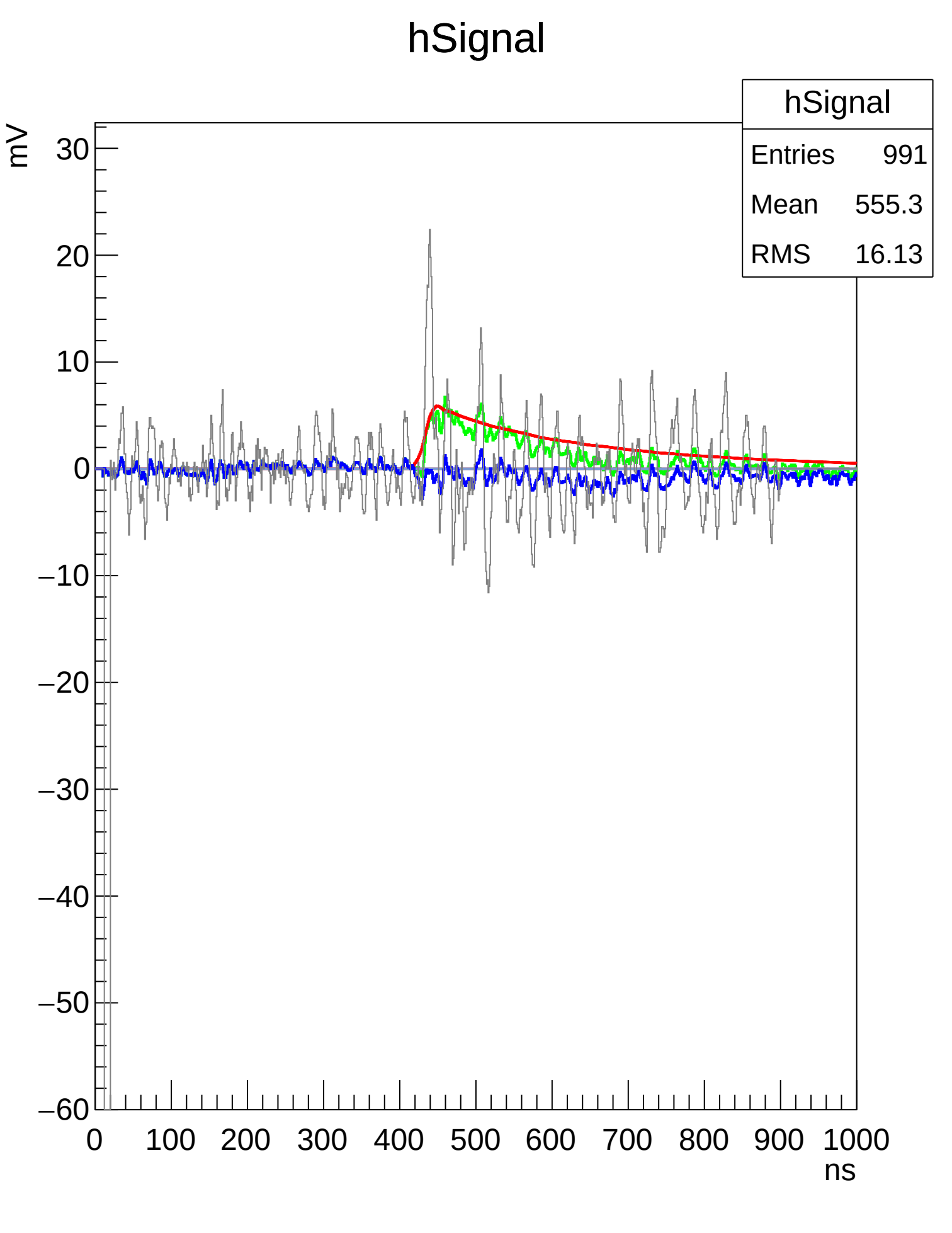
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.9
RMS 145.2
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.2
RMS 145
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.1
RMS 141.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.3
RMS 16.13
mV
30
20
10
0
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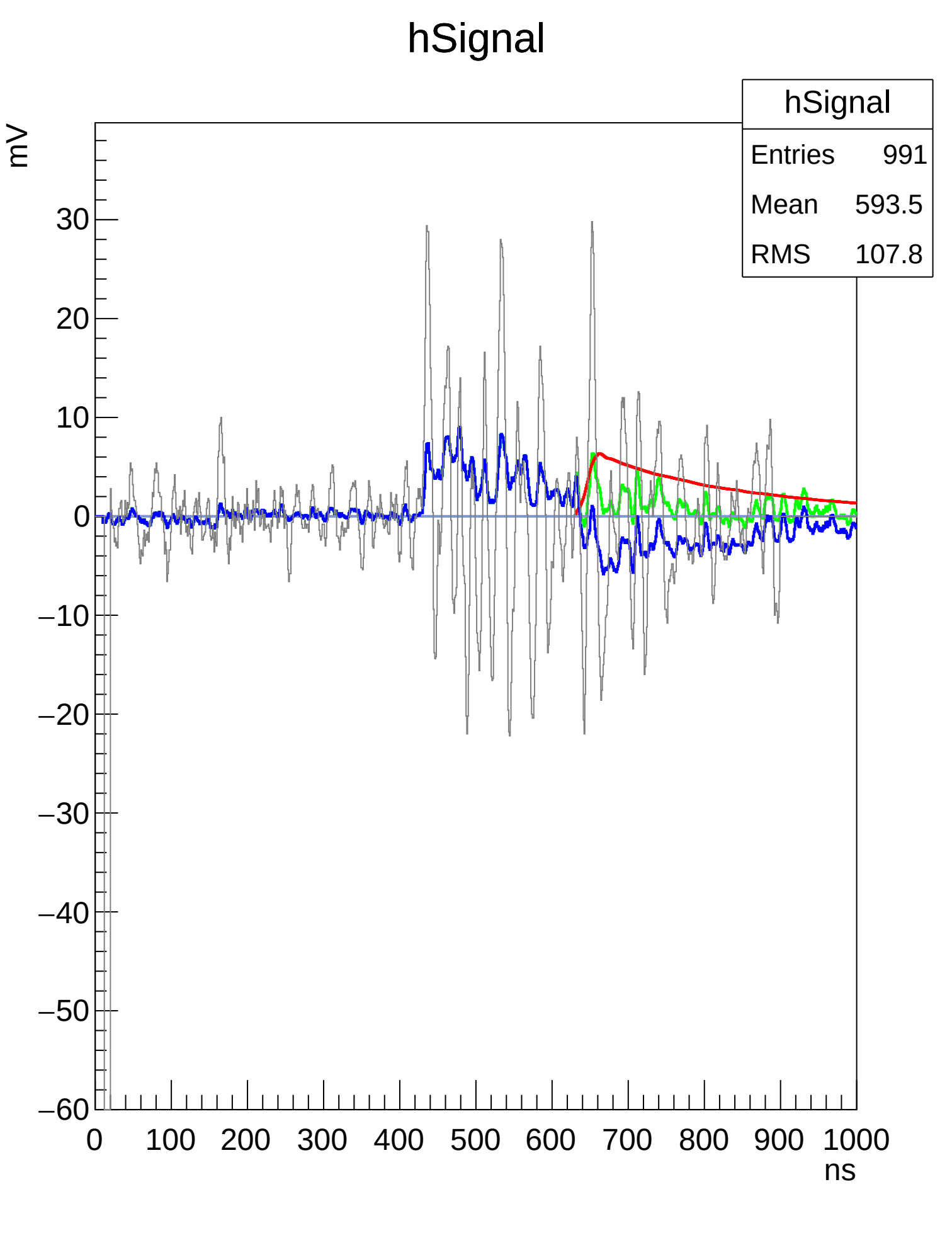
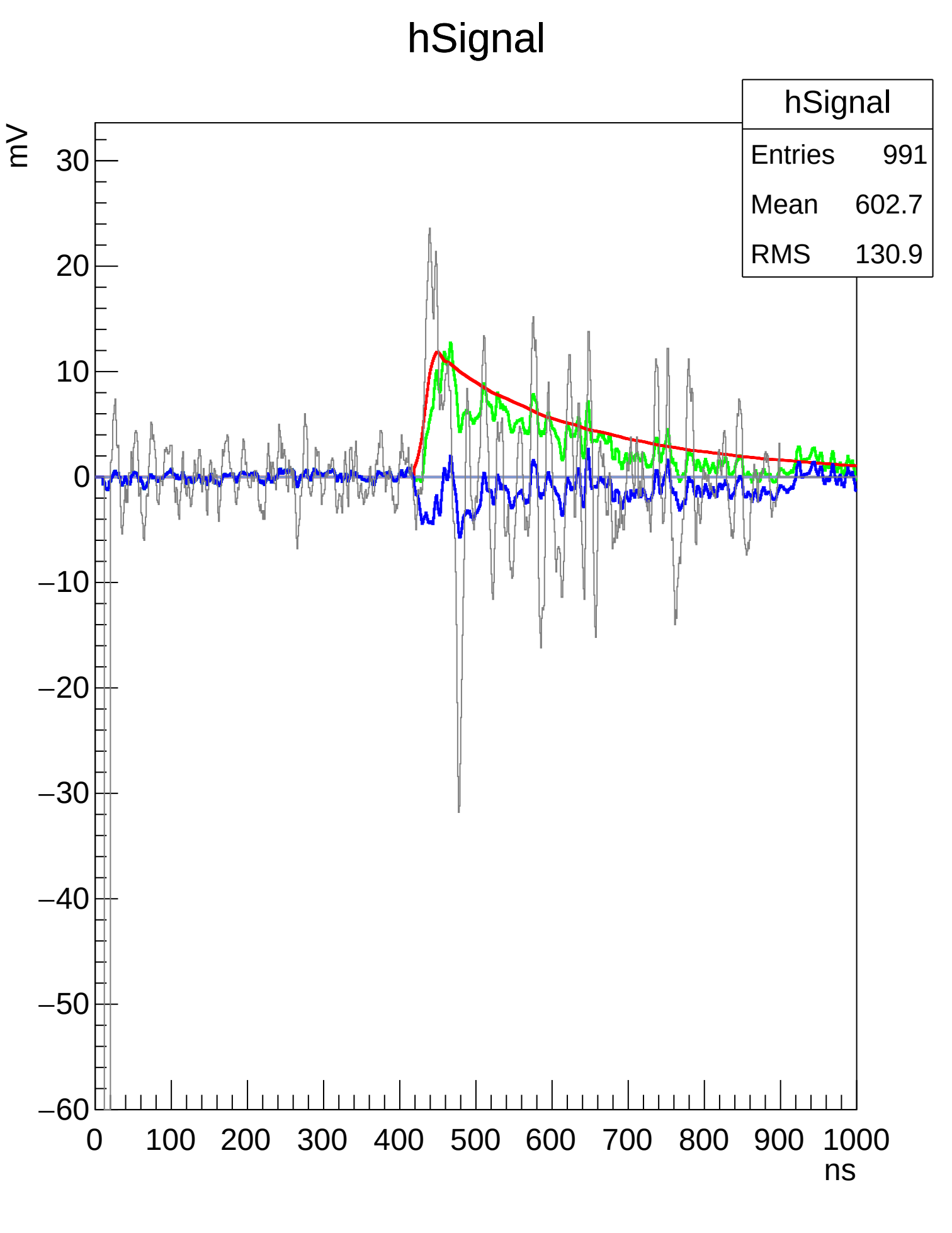
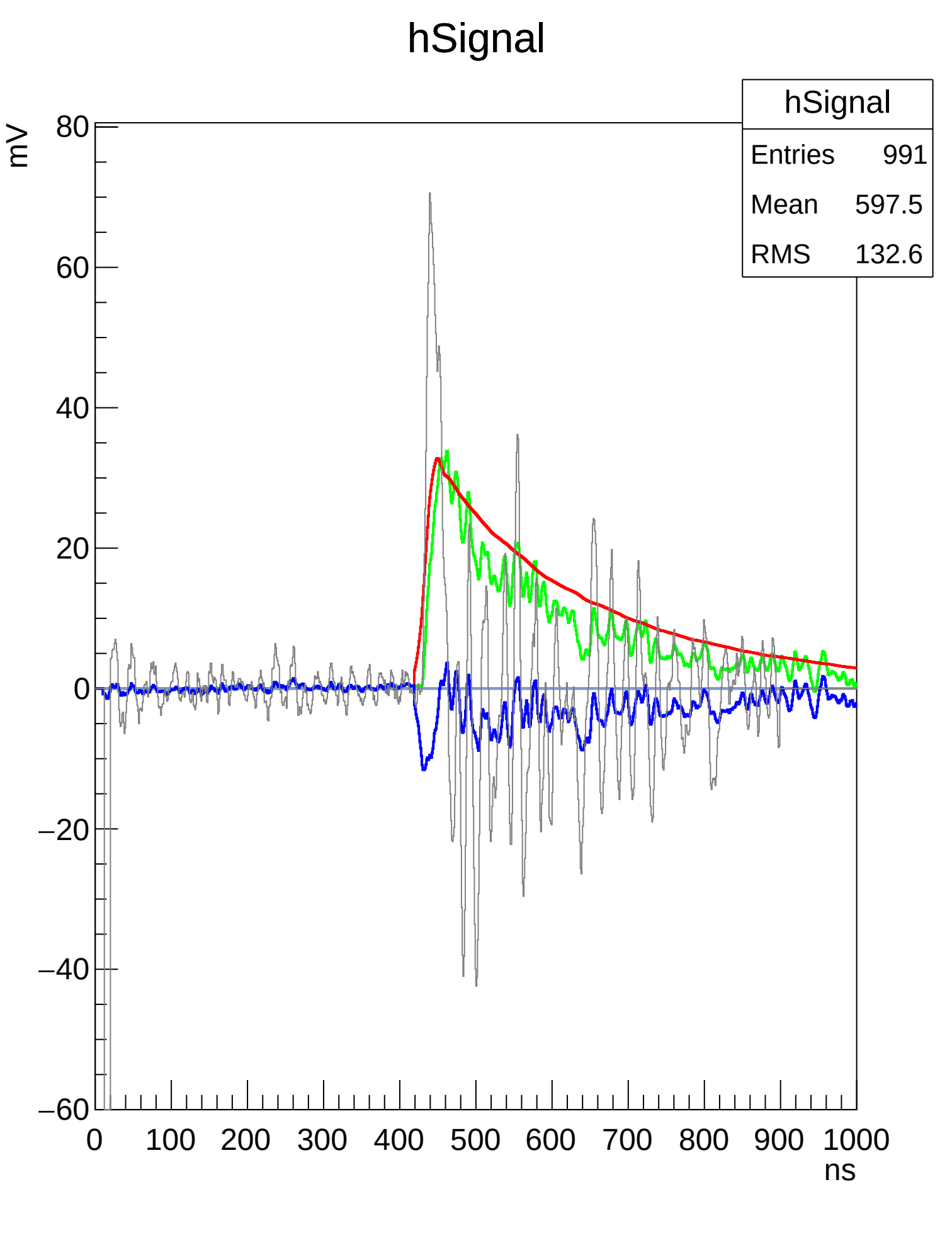
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.5
RMS 107.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.7
RMS 130.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.5
RMS 132.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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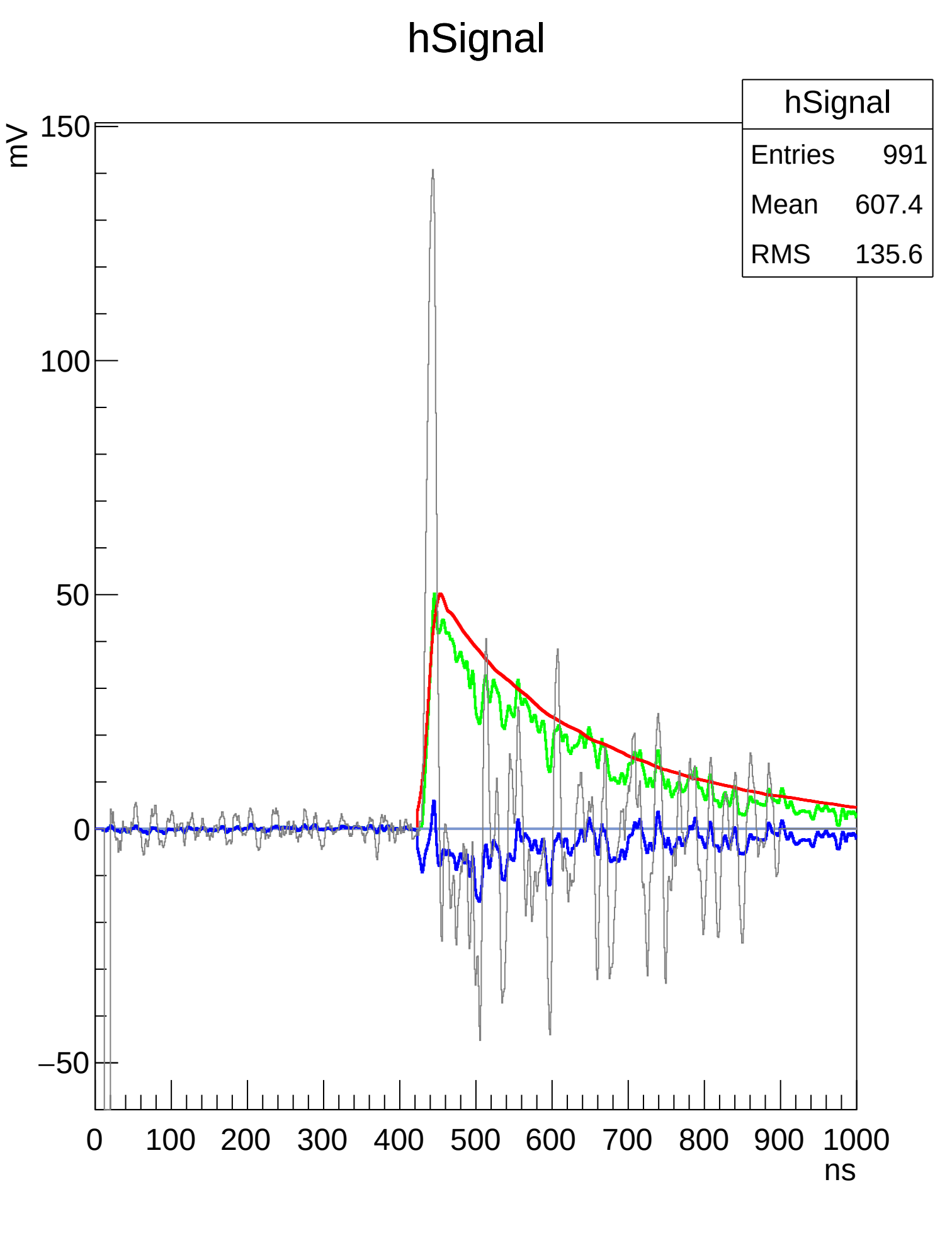
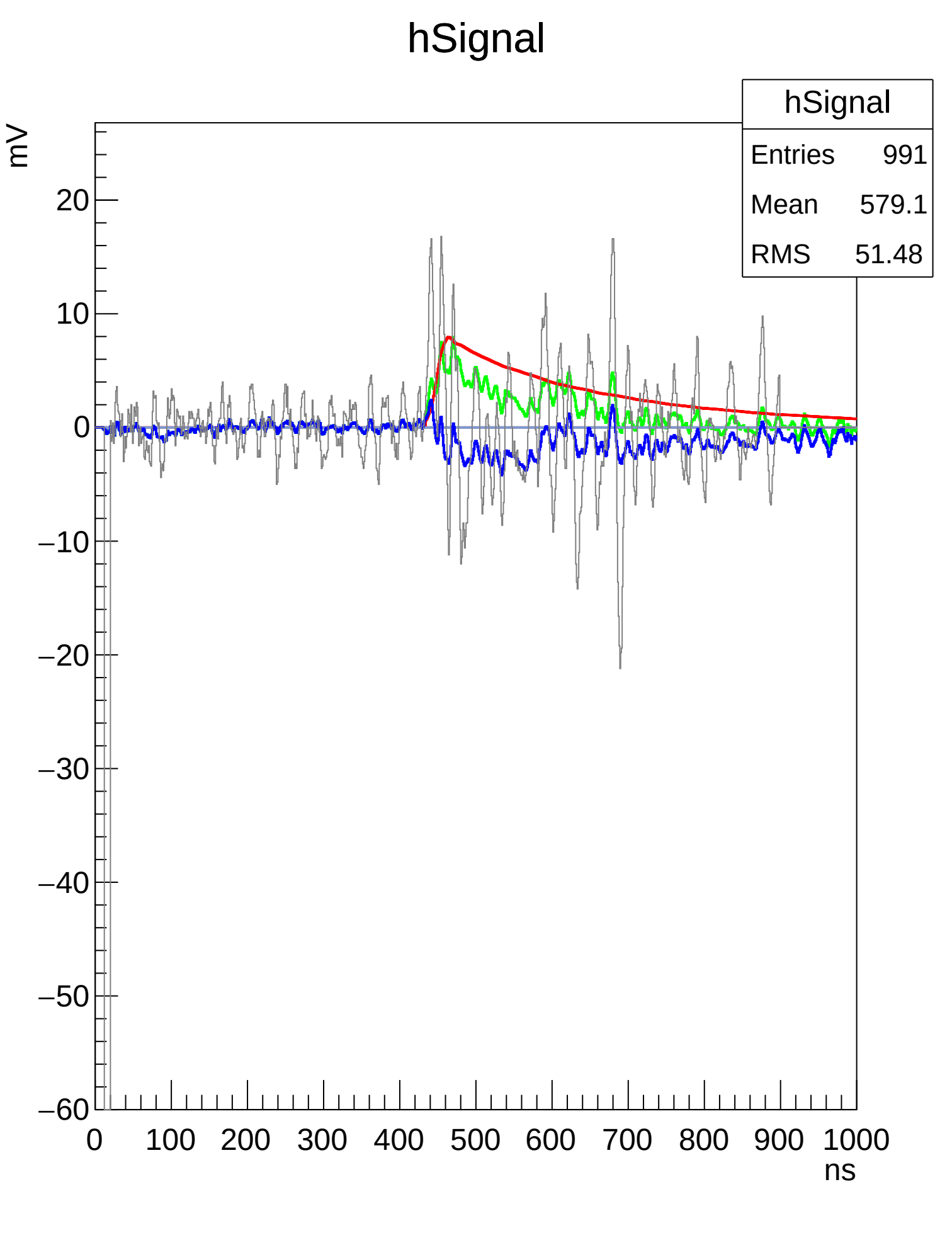
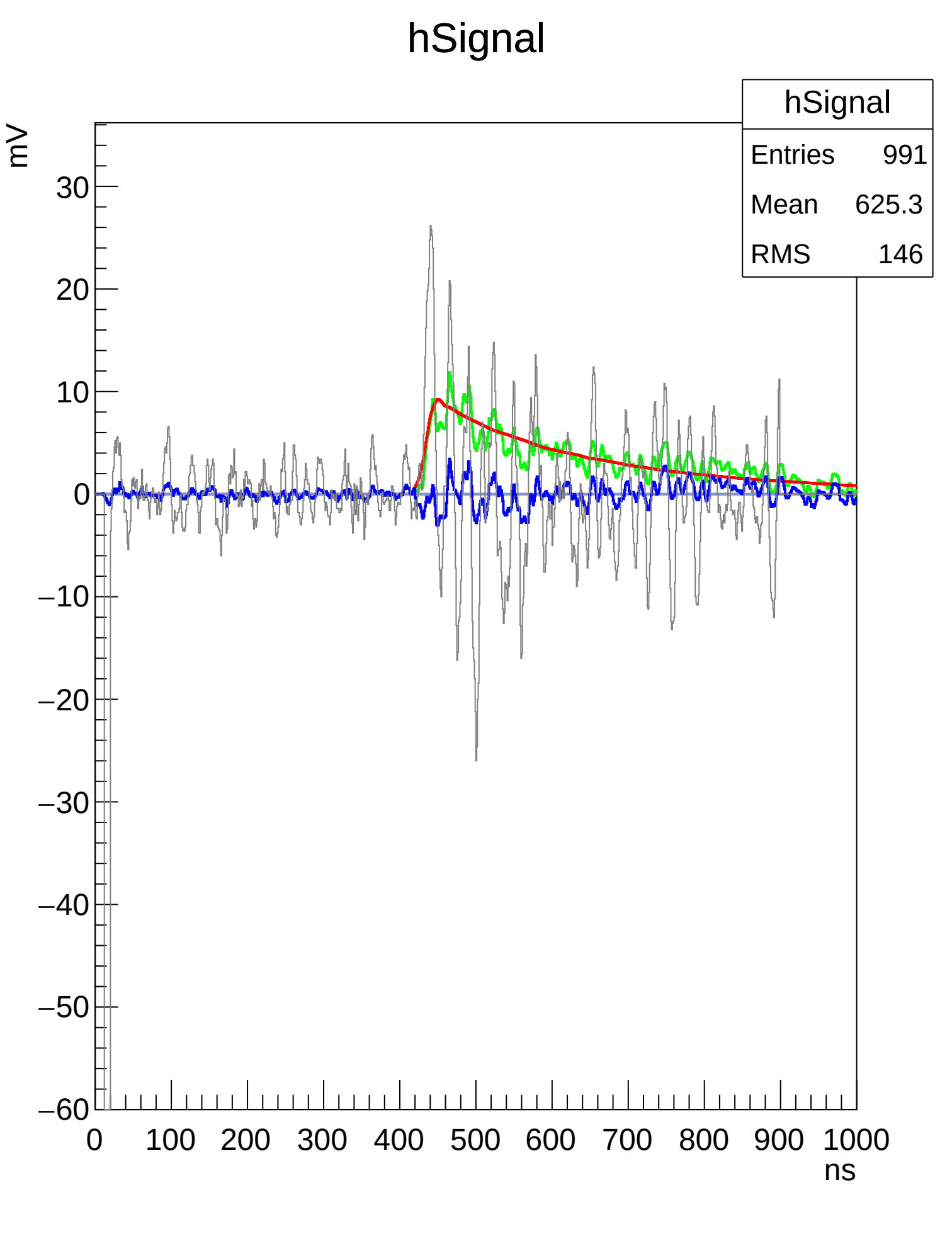
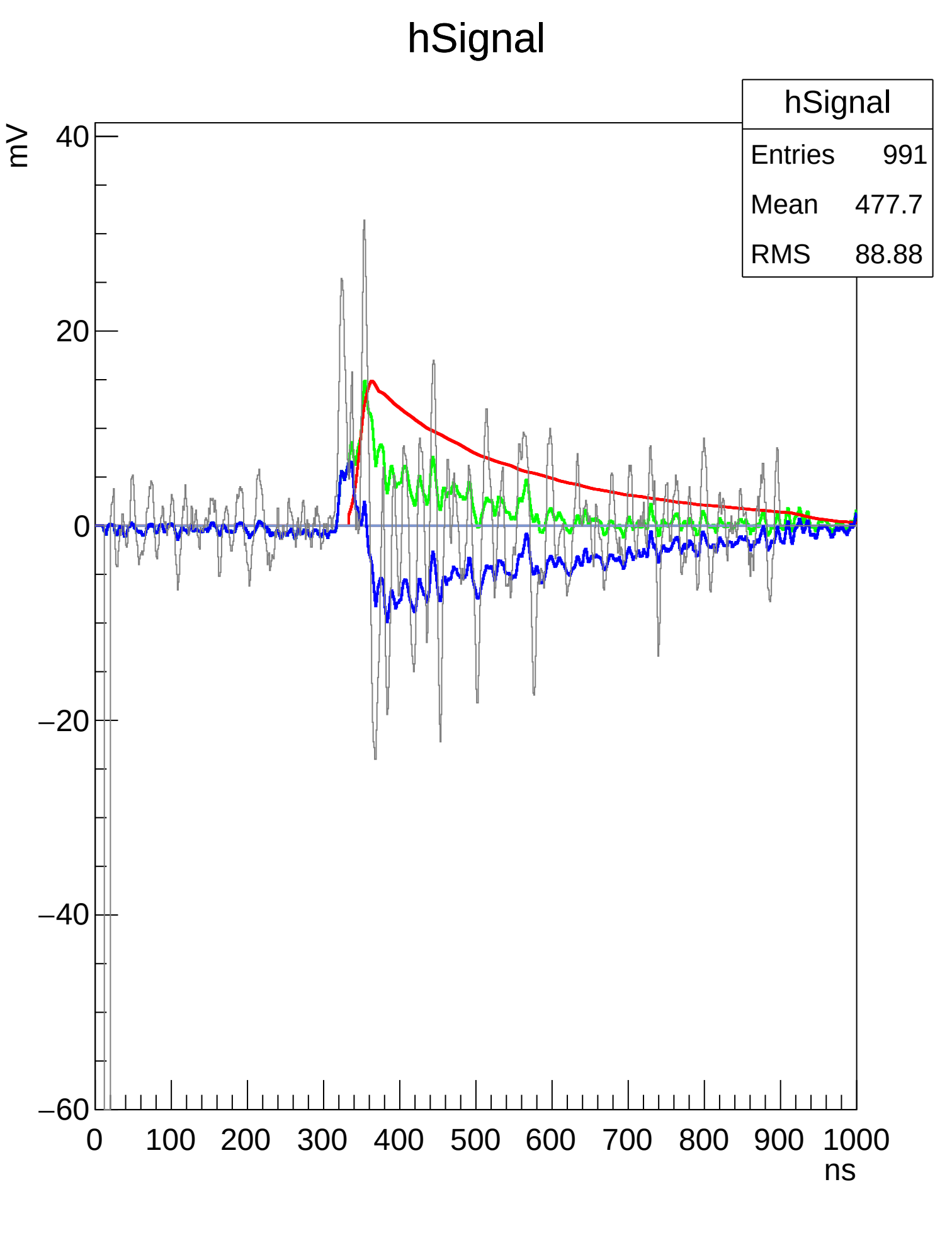
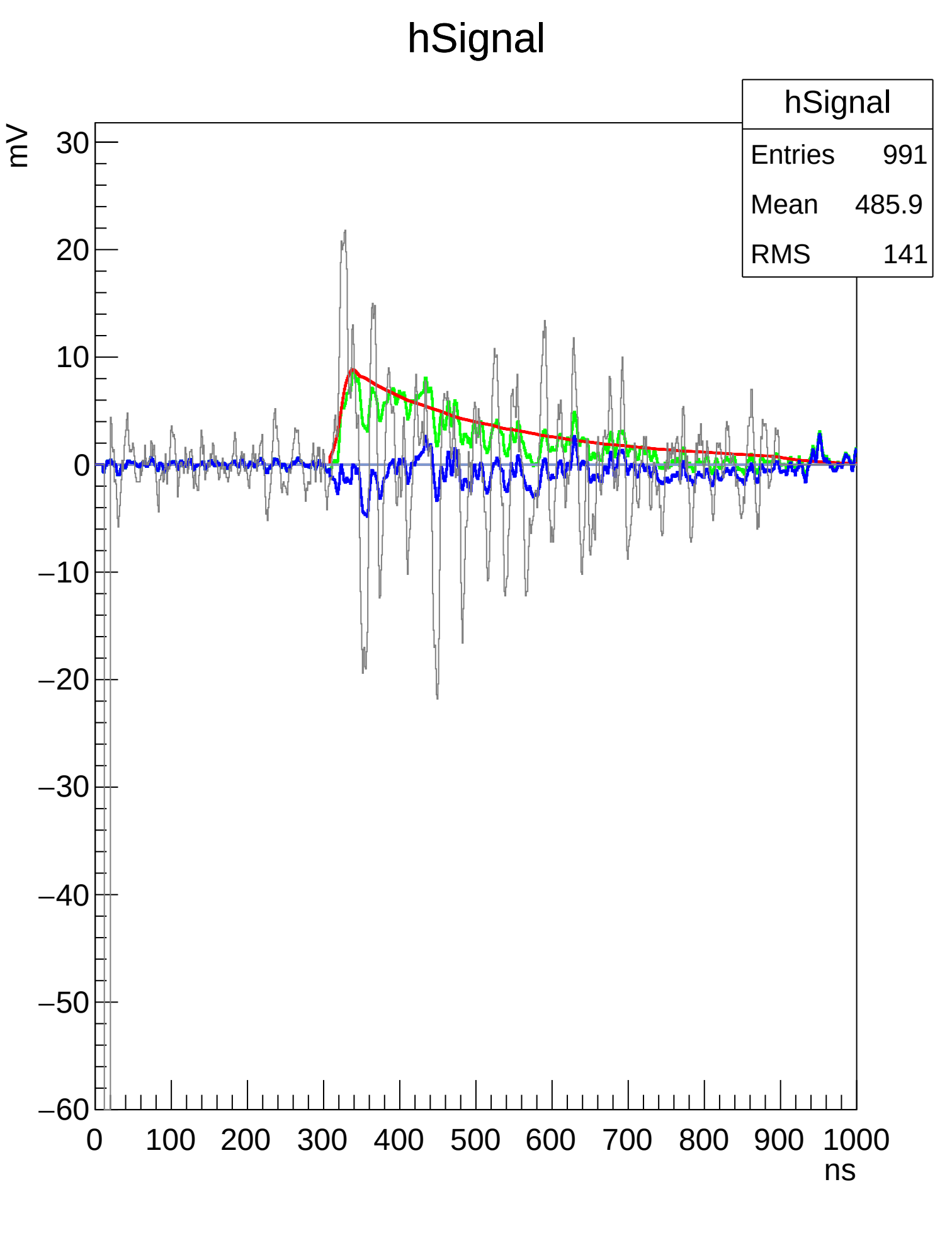
600
700
800
900
1000
ns

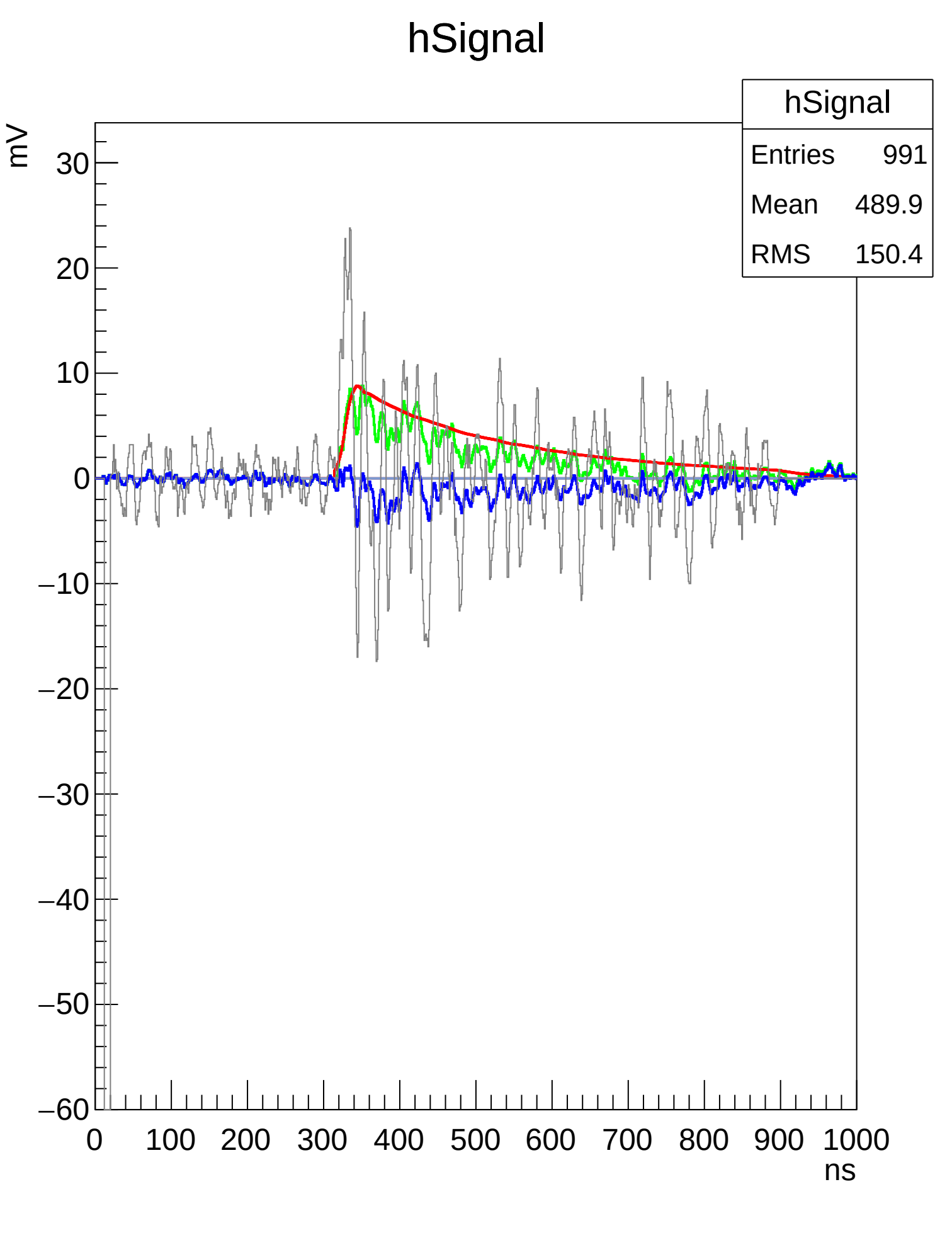

hSignal
hSignal
Entries 991
Mean 607.4
RMS 135.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

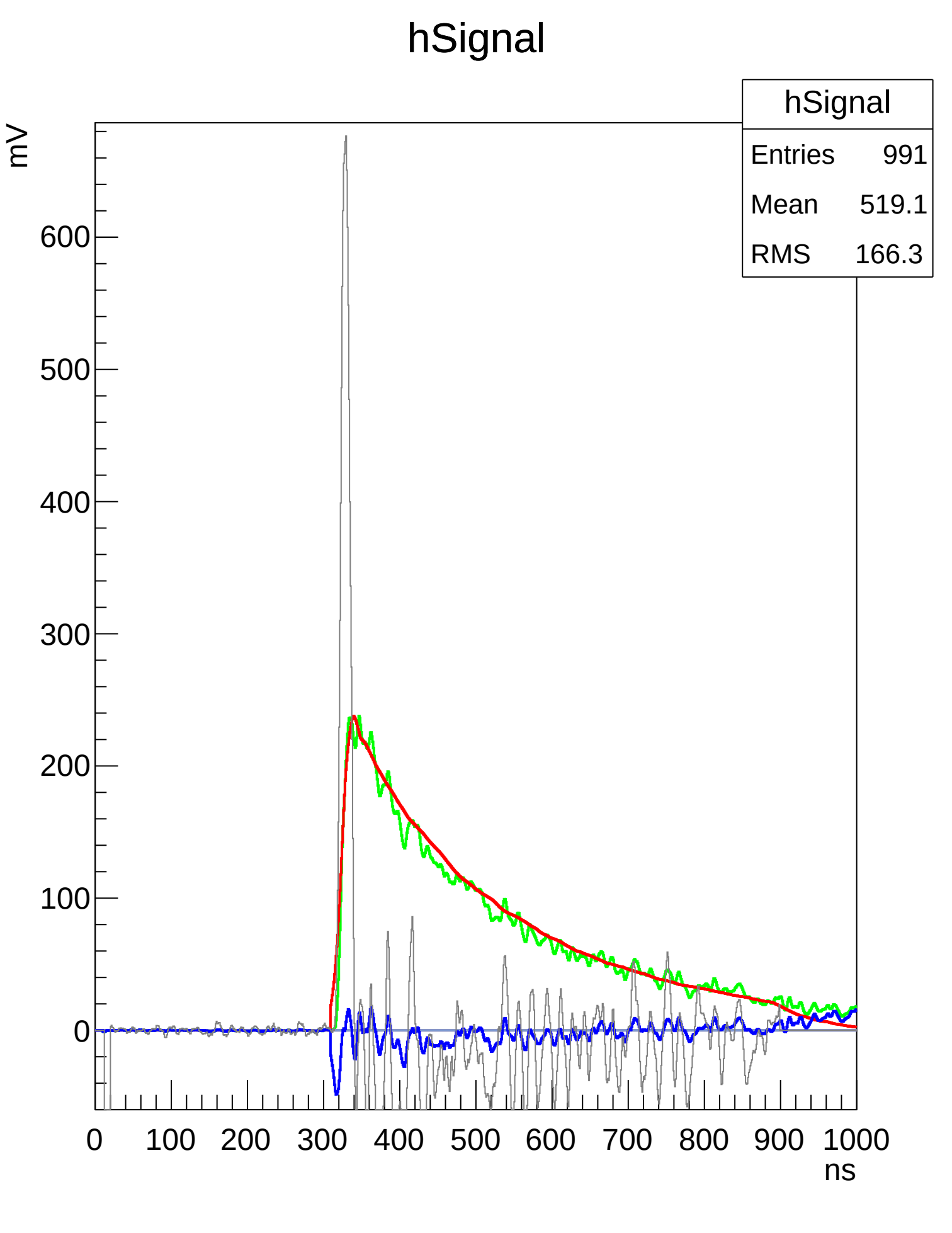

hSignal
hSignal
Entries 991
Mean 579.1
RMS 51.48
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

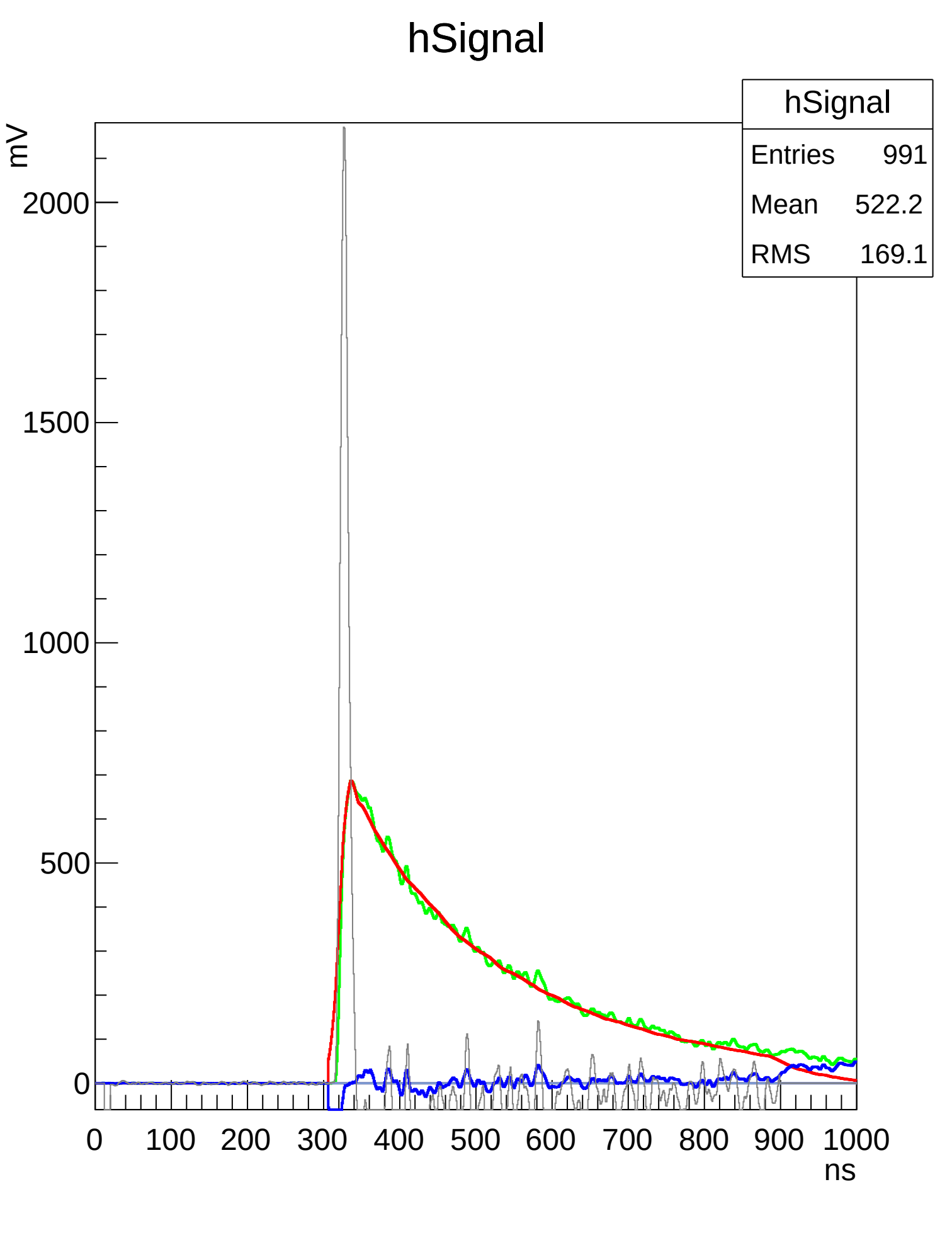

hSignal
hSignal
Entries 991
Mean 625.3
RMS 146
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

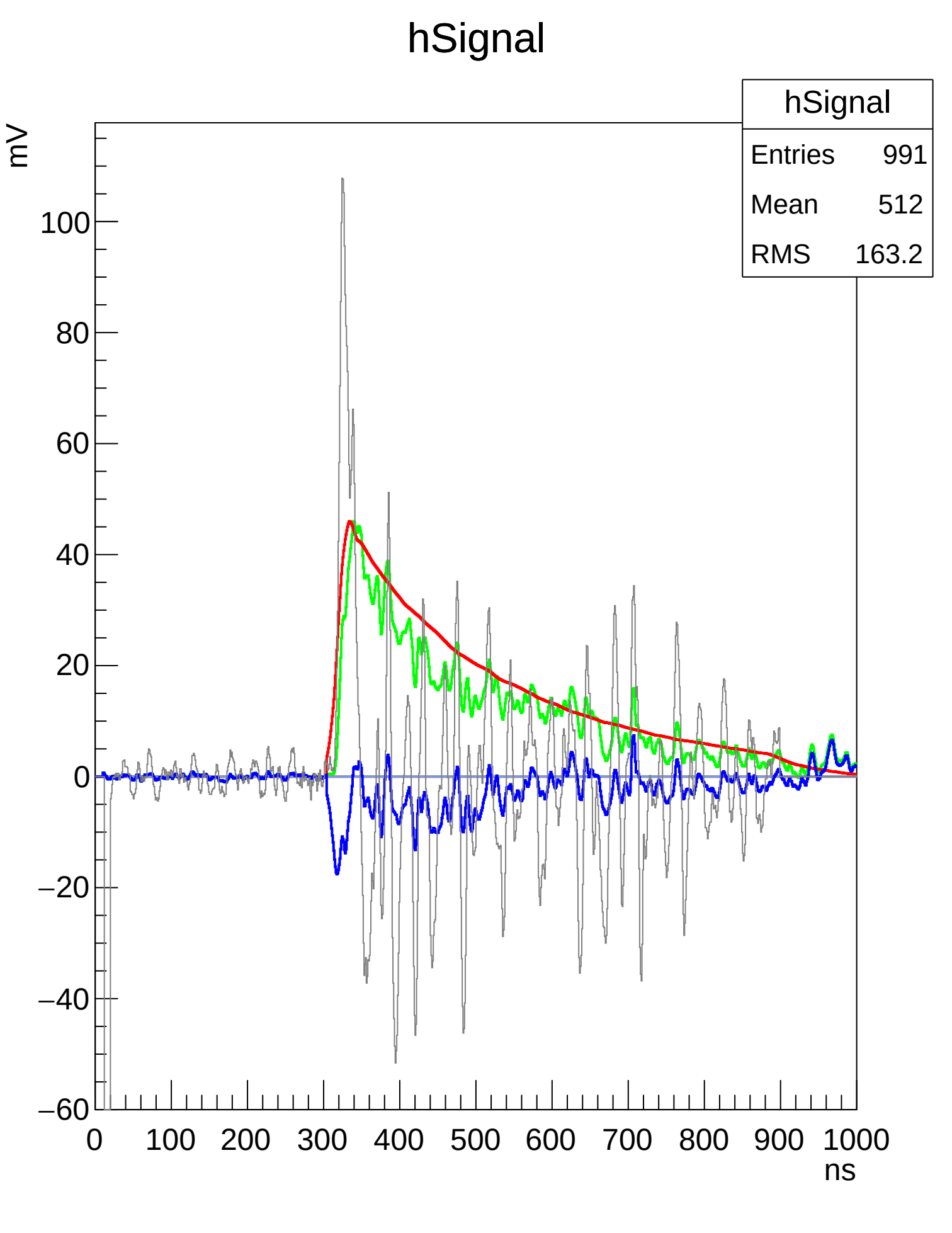

hSignal
hSignal
Entries 991
Mean 477.7
RMS 88.88
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

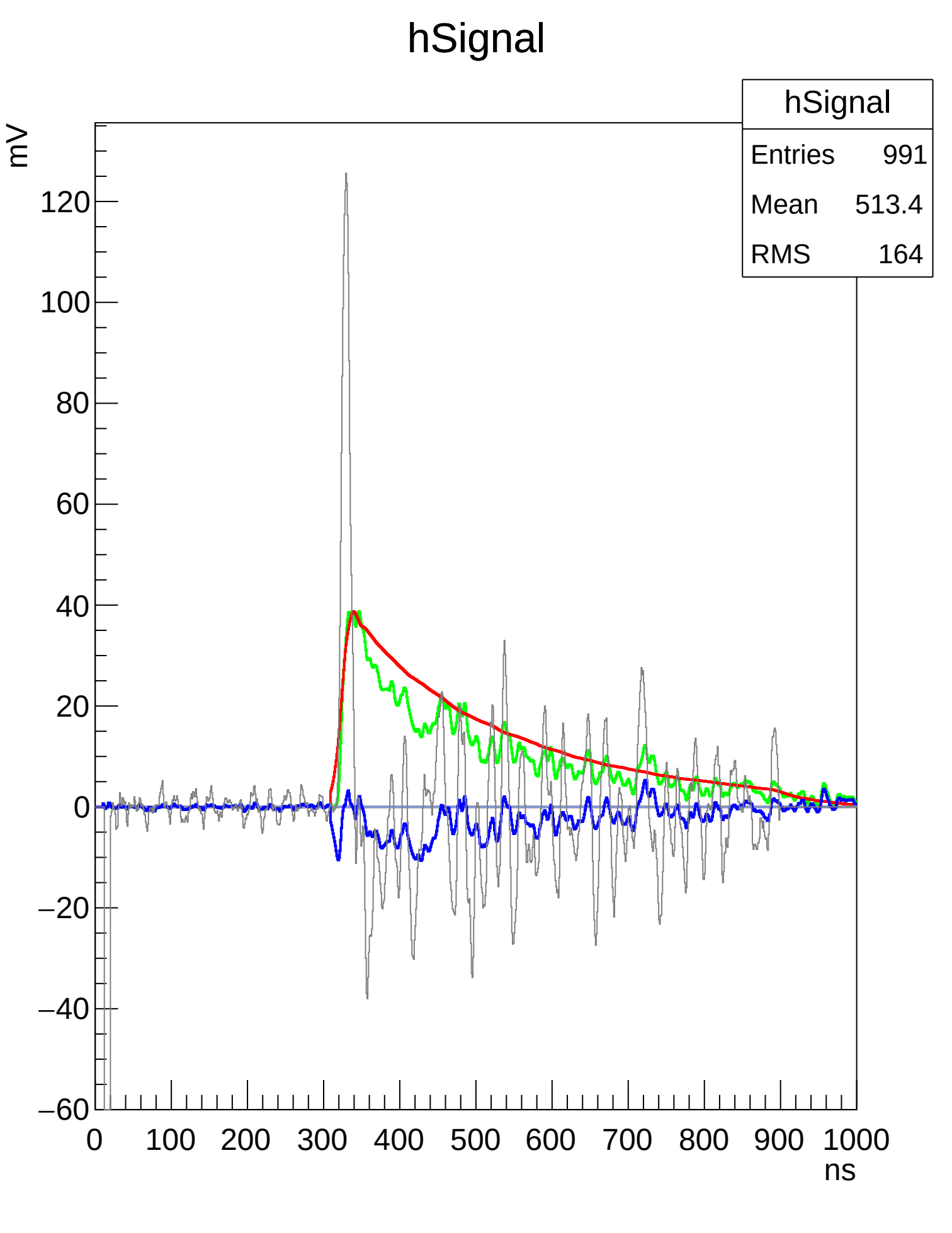

hSignal
hSignal
Entries 991
Mean 485.9
RMS 141
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.9
RMS 150.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.1
RMS 166.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.2
RMS 169.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512
RMS 163.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.4
RMS 164
mV
120
100
80
60
40
20
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−20
−40
−60
0
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200
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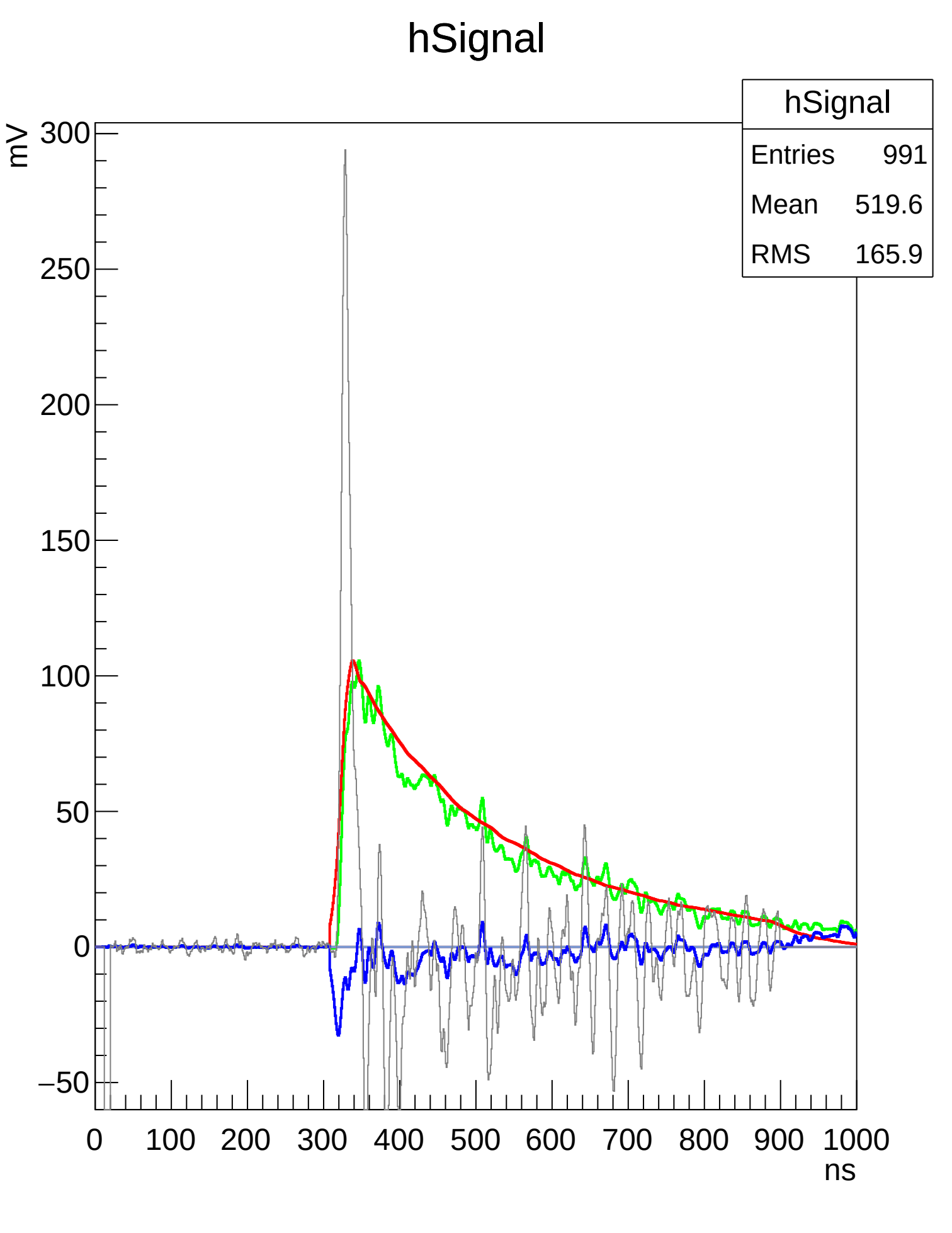
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.6
RMS 165.9
mV
300
250
200
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100
50
0
−50
0
100
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400
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800
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1000
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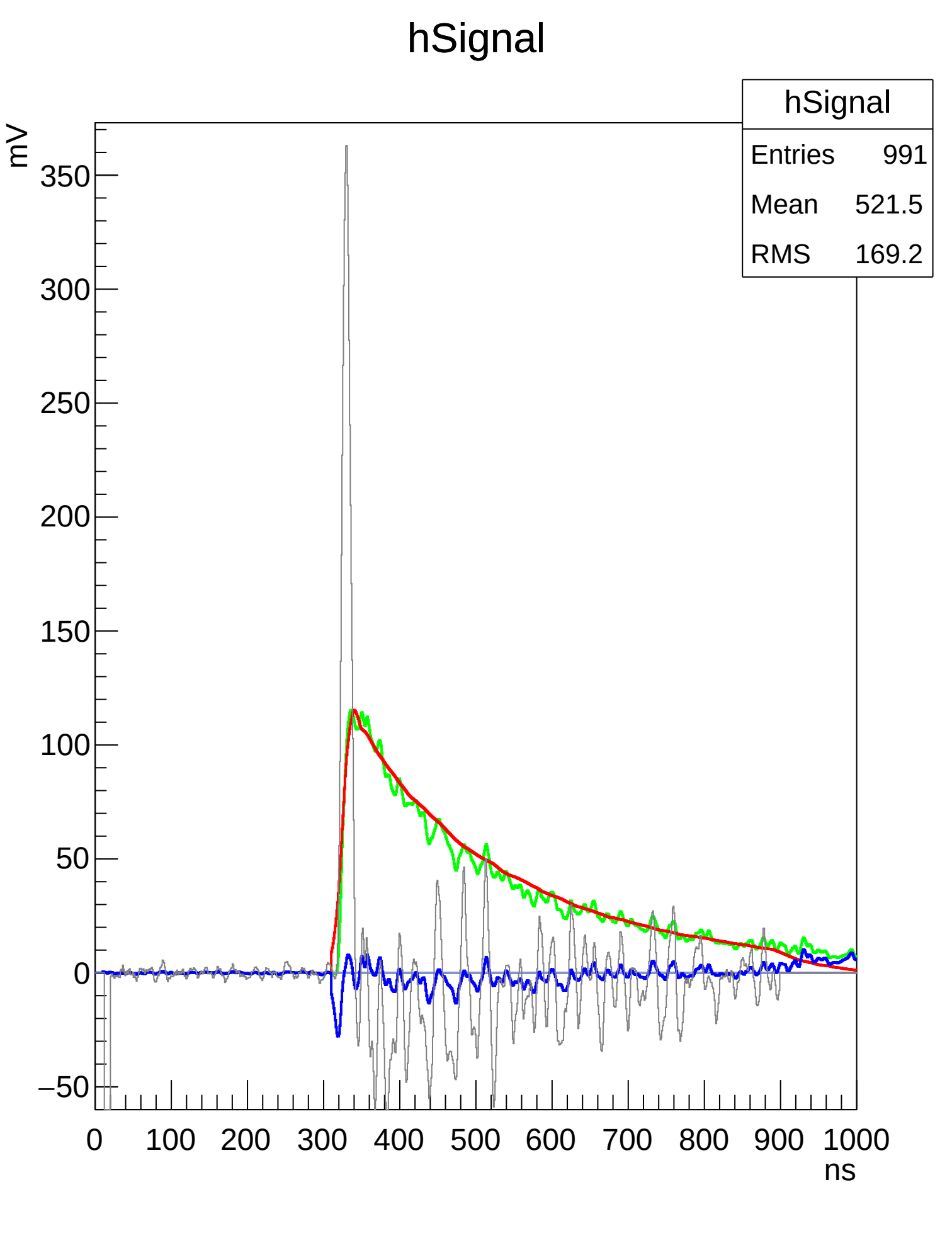
hSignal
hSignal
Entries 991
Mean 521.5
RMS 169.2
mV
350
300
250
200
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100
50
0
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0
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200
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400
500
600
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800
900
1000
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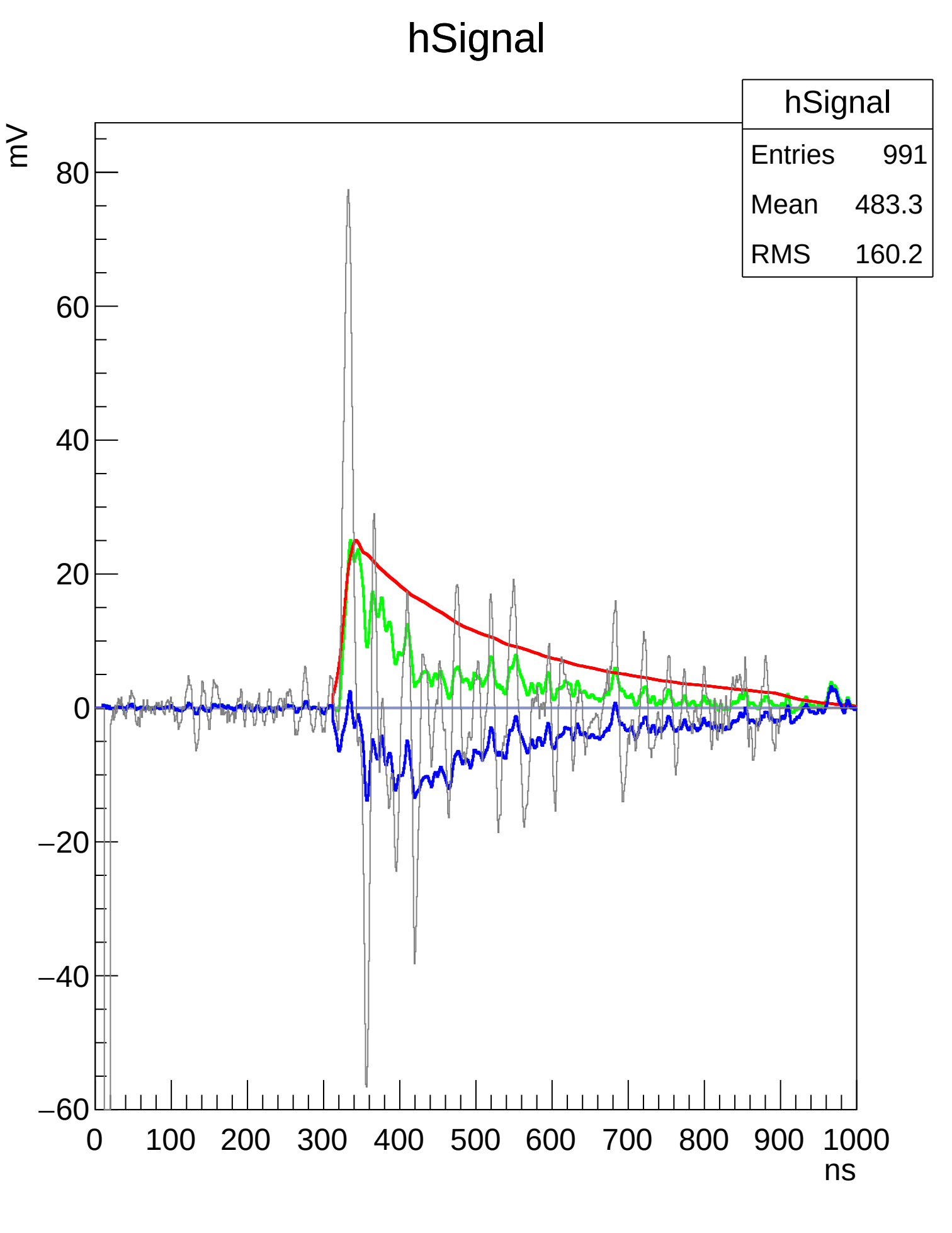
hSignal
hSignal
Entries 991
Mean 483.3
RMS 160.2
mV
80
60
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−20
−40
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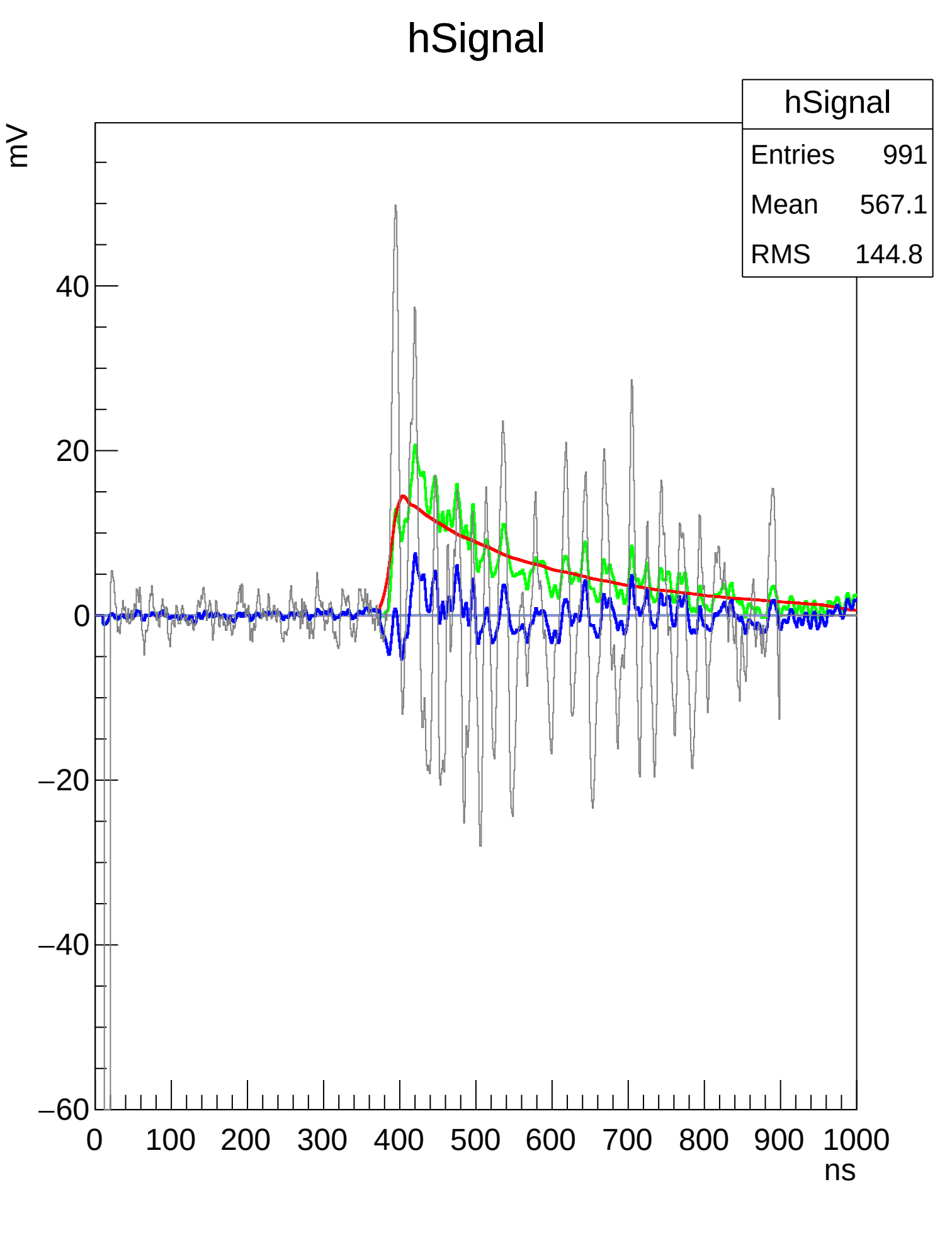
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.1
RMS 144.8
mV
40
20
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−20
−40
−60
0
100
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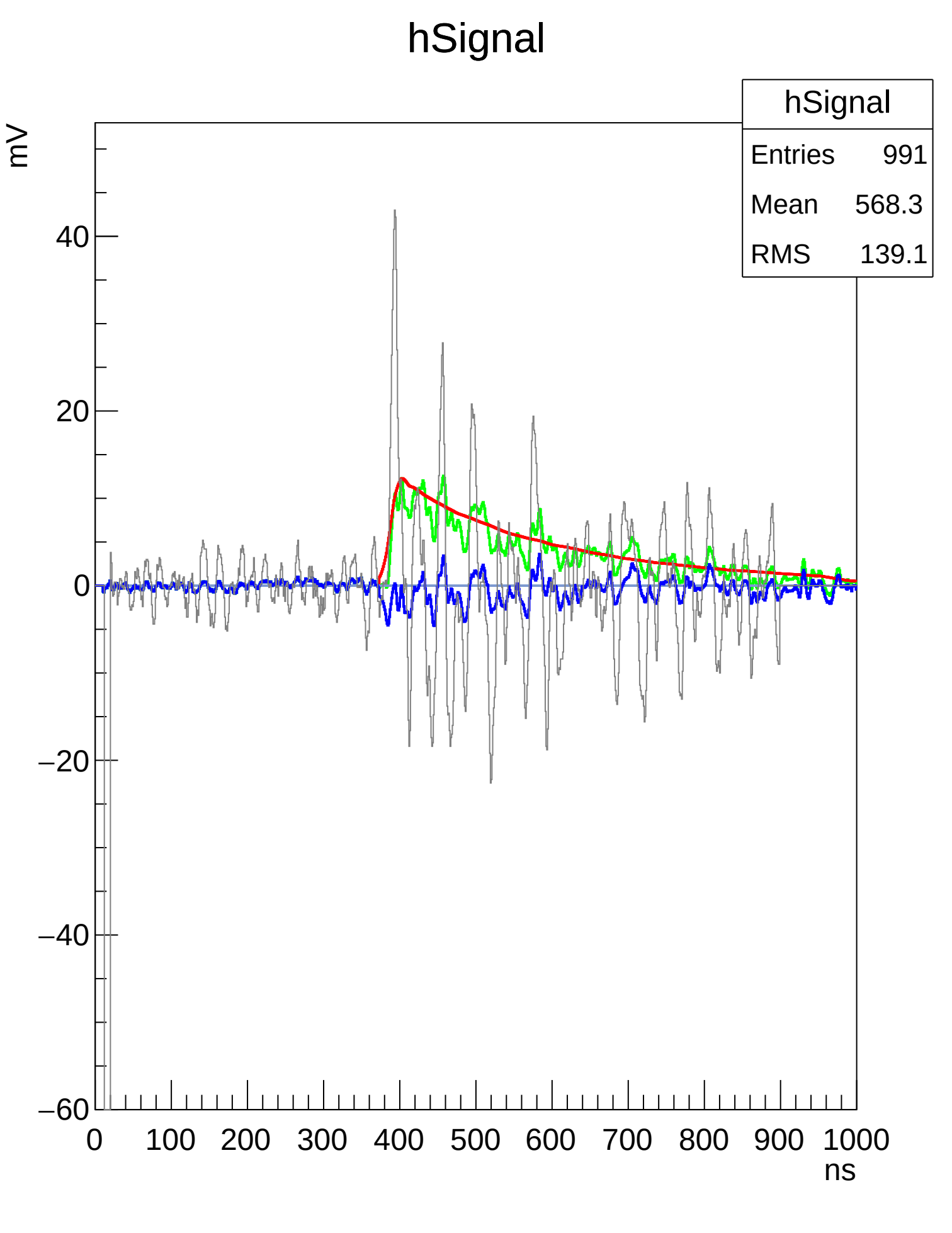
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.3
RMS 139.1
mV
40
20
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−20
−40
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0
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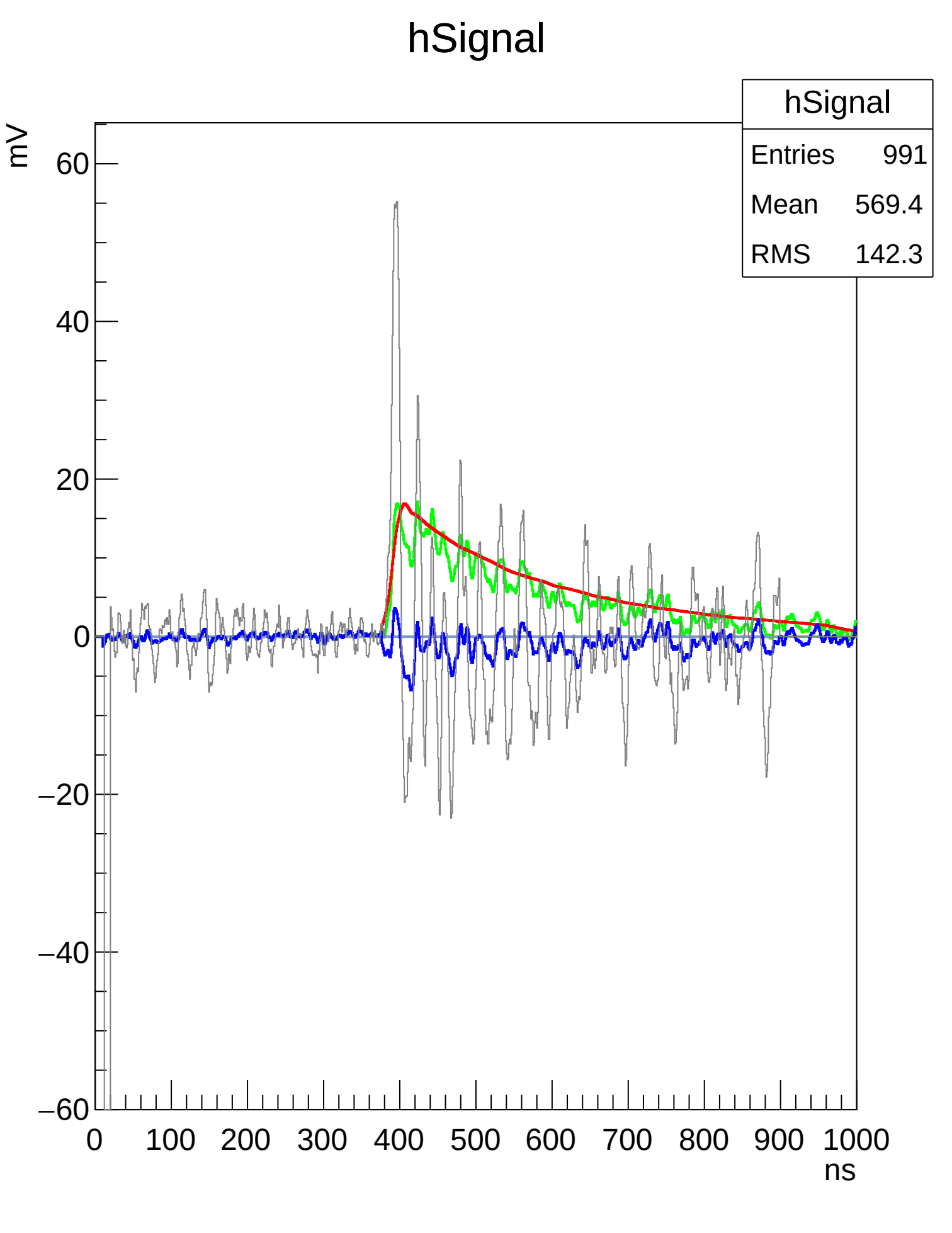
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.4
RMS 142.3
mV
60
40
20
0
−20
−40
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0
100
200
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400
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600
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800
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1000
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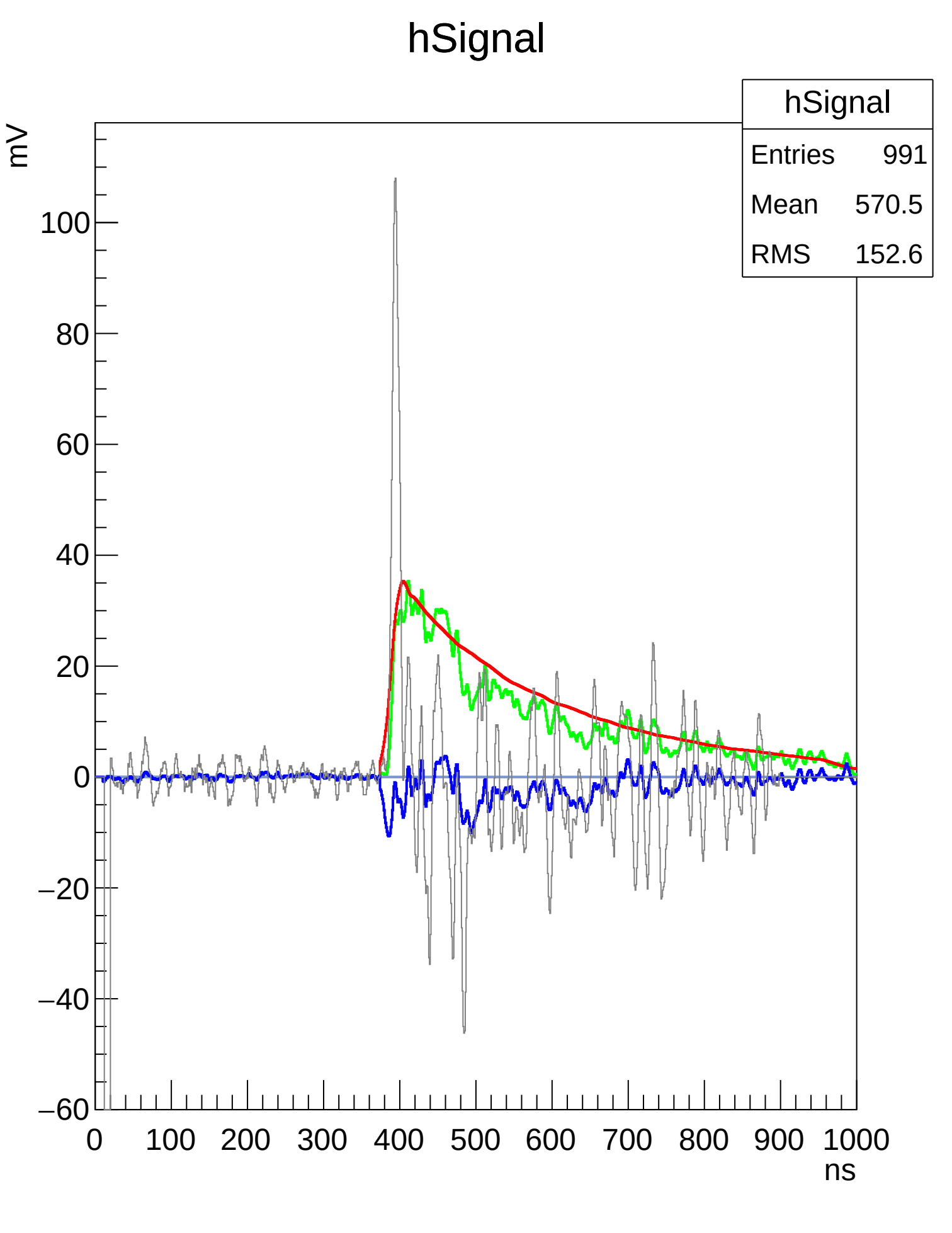
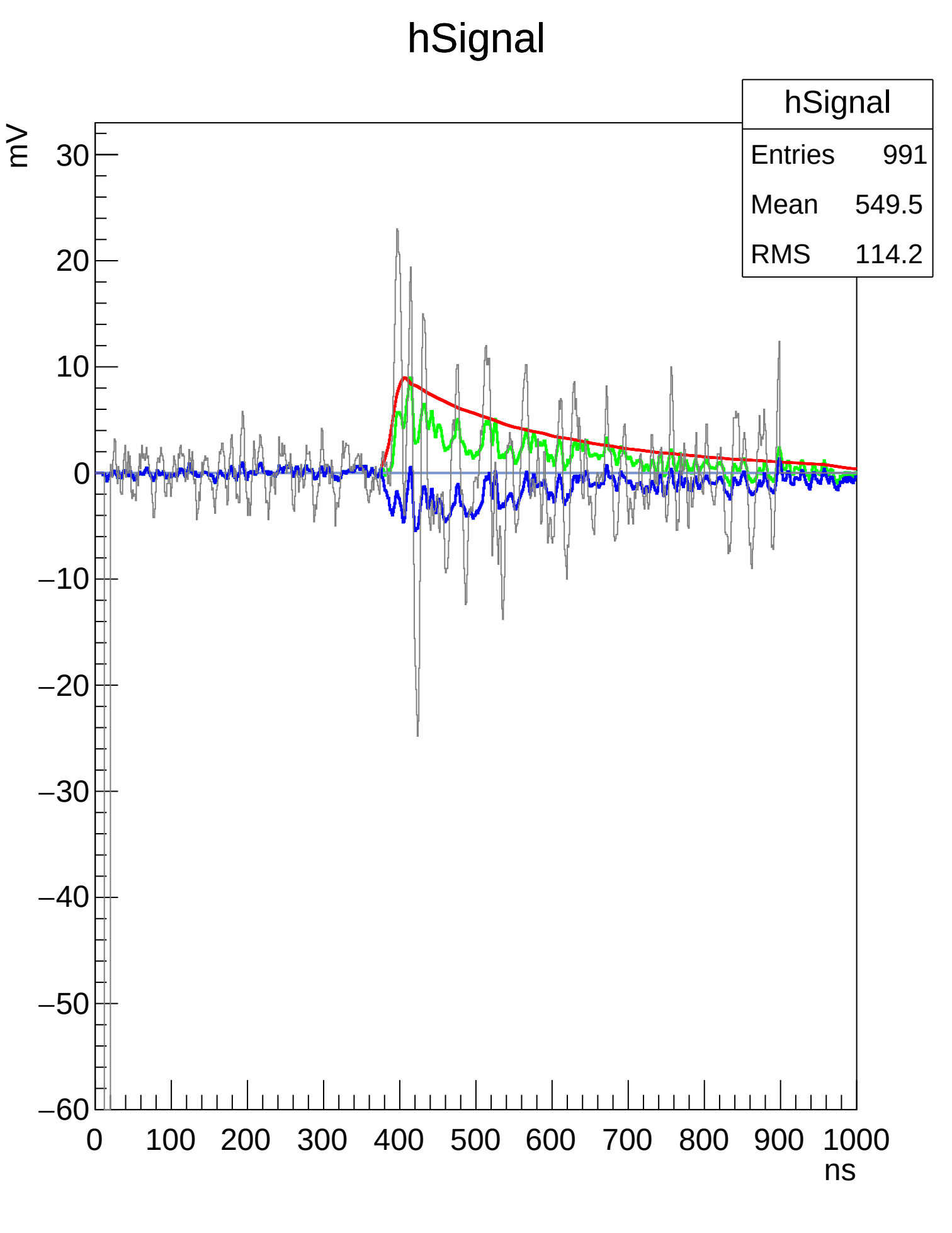

hSignal
hSignal
Entries 991
Mean 570.5
RMS 152.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.5
RMS 114.2
mV
30
20
10
0
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−50
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0
100
200
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400
500
600
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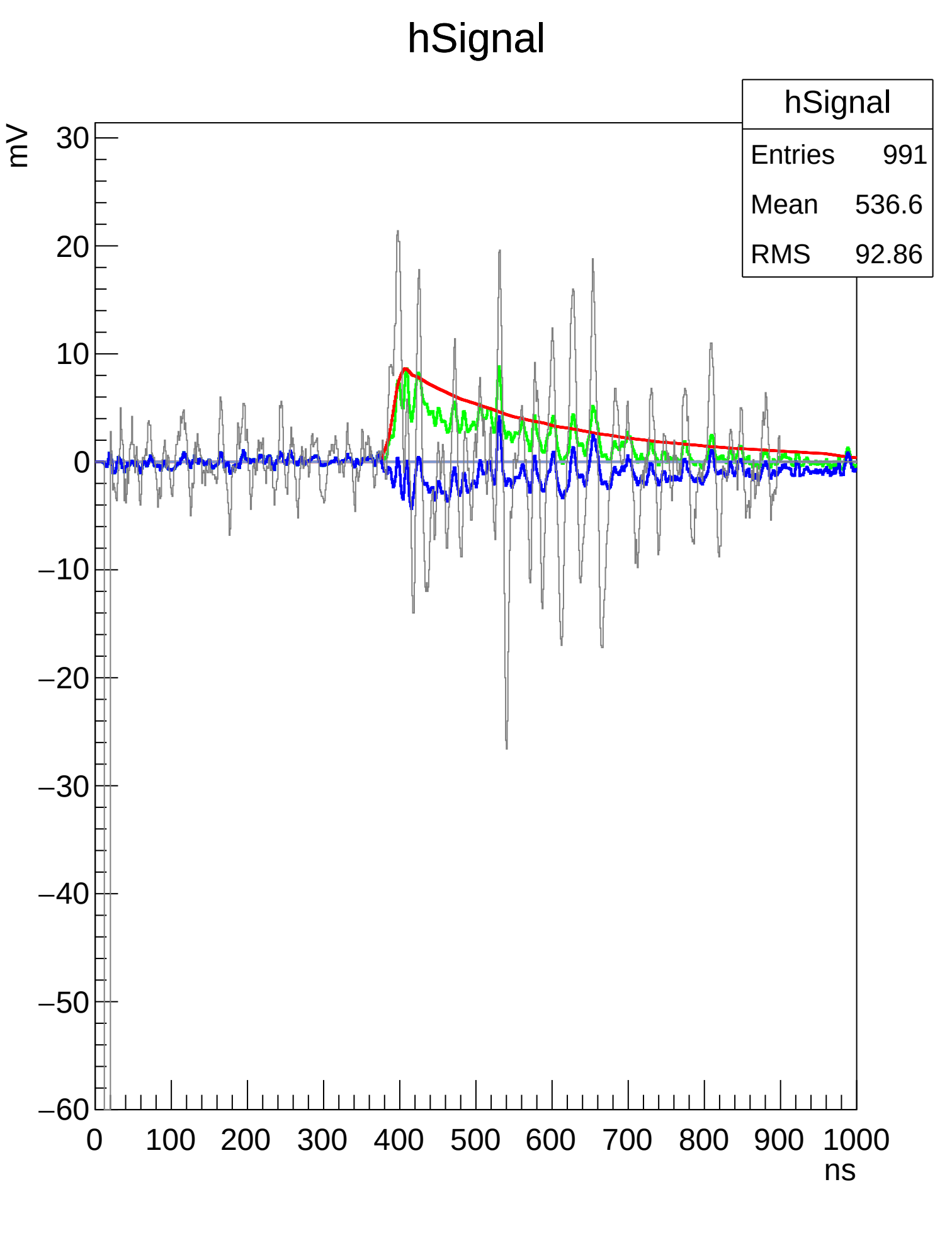
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.6
RMS 92.86
mV
30
20
10
0
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−40
−50
−60
0
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200
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400
500
600
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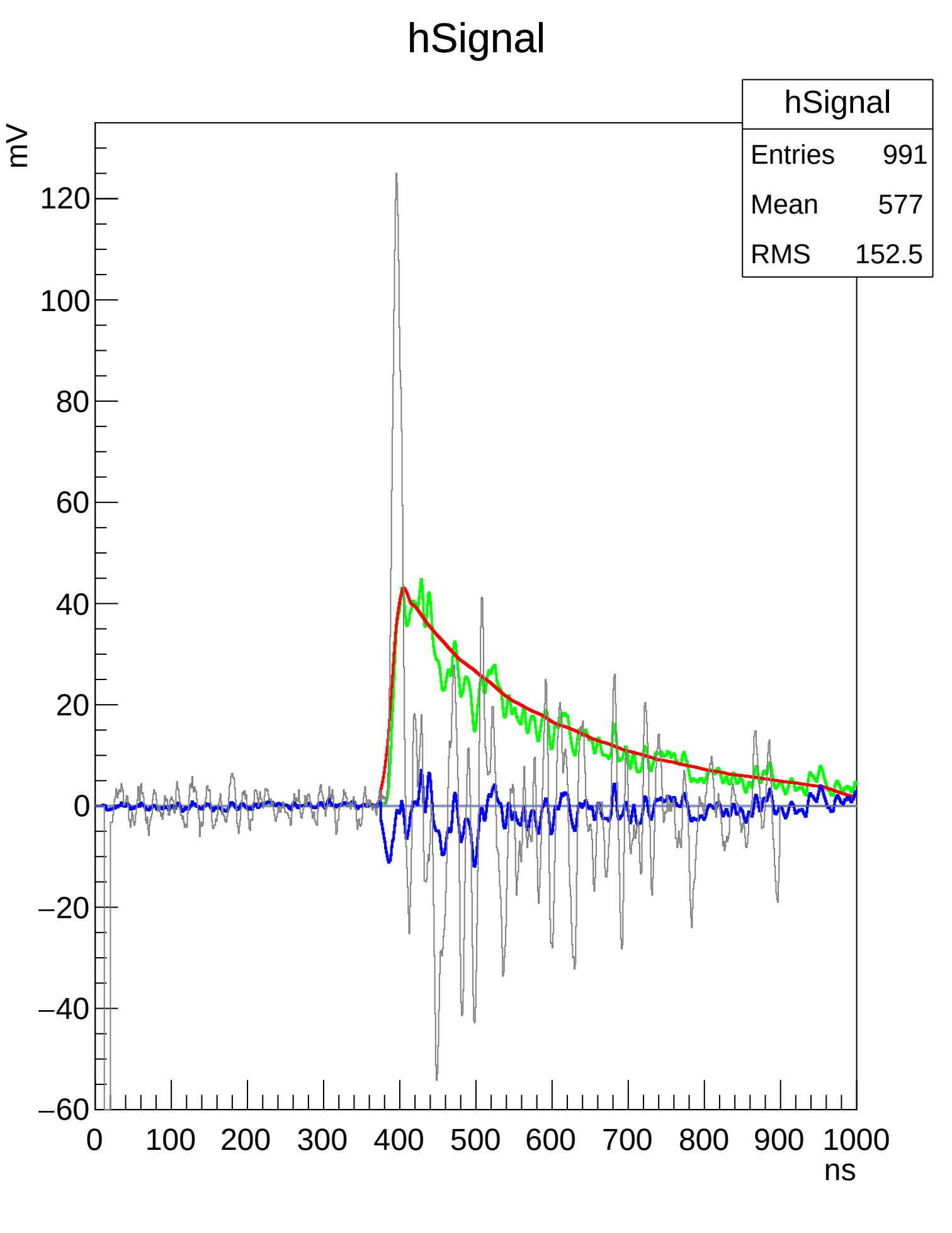
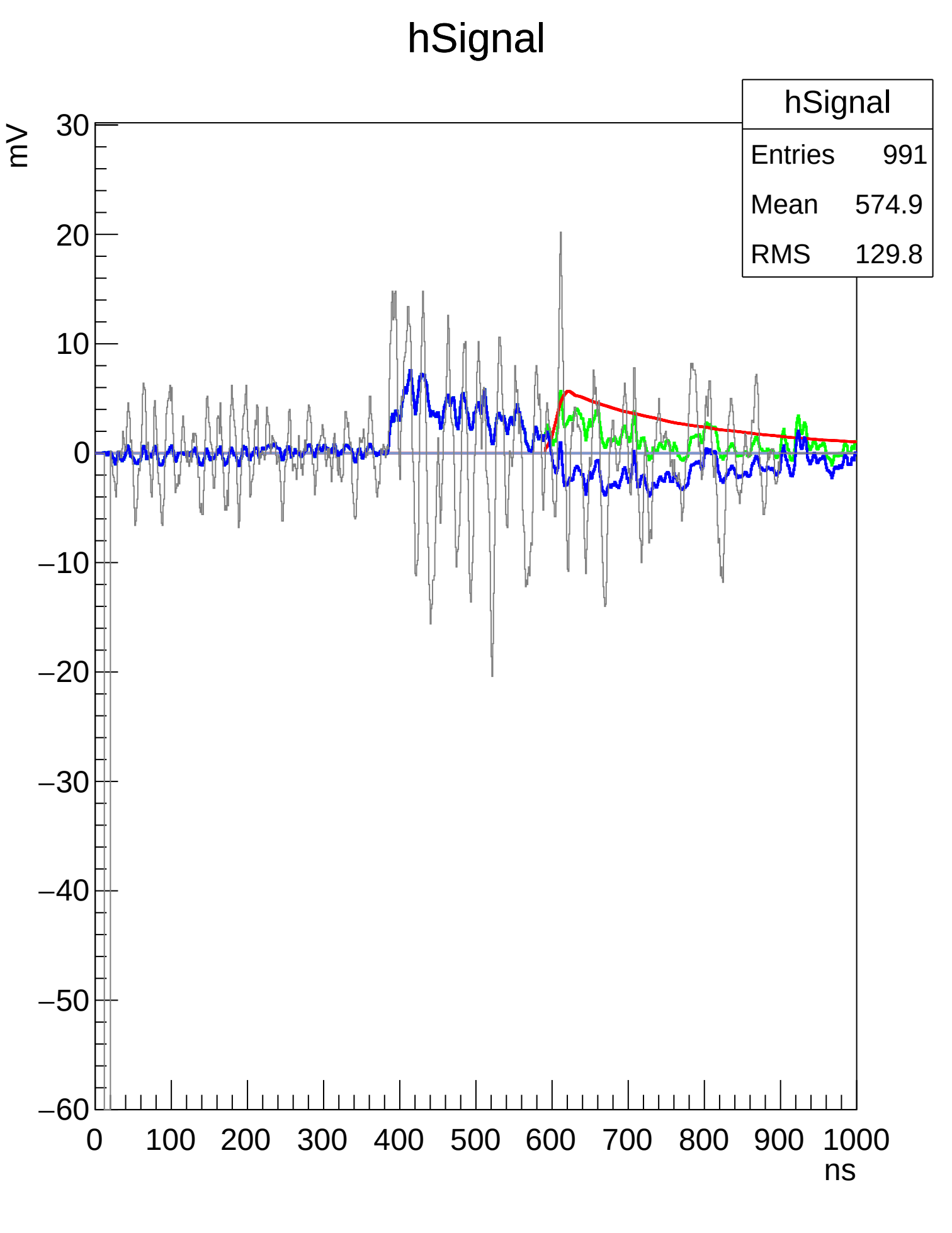
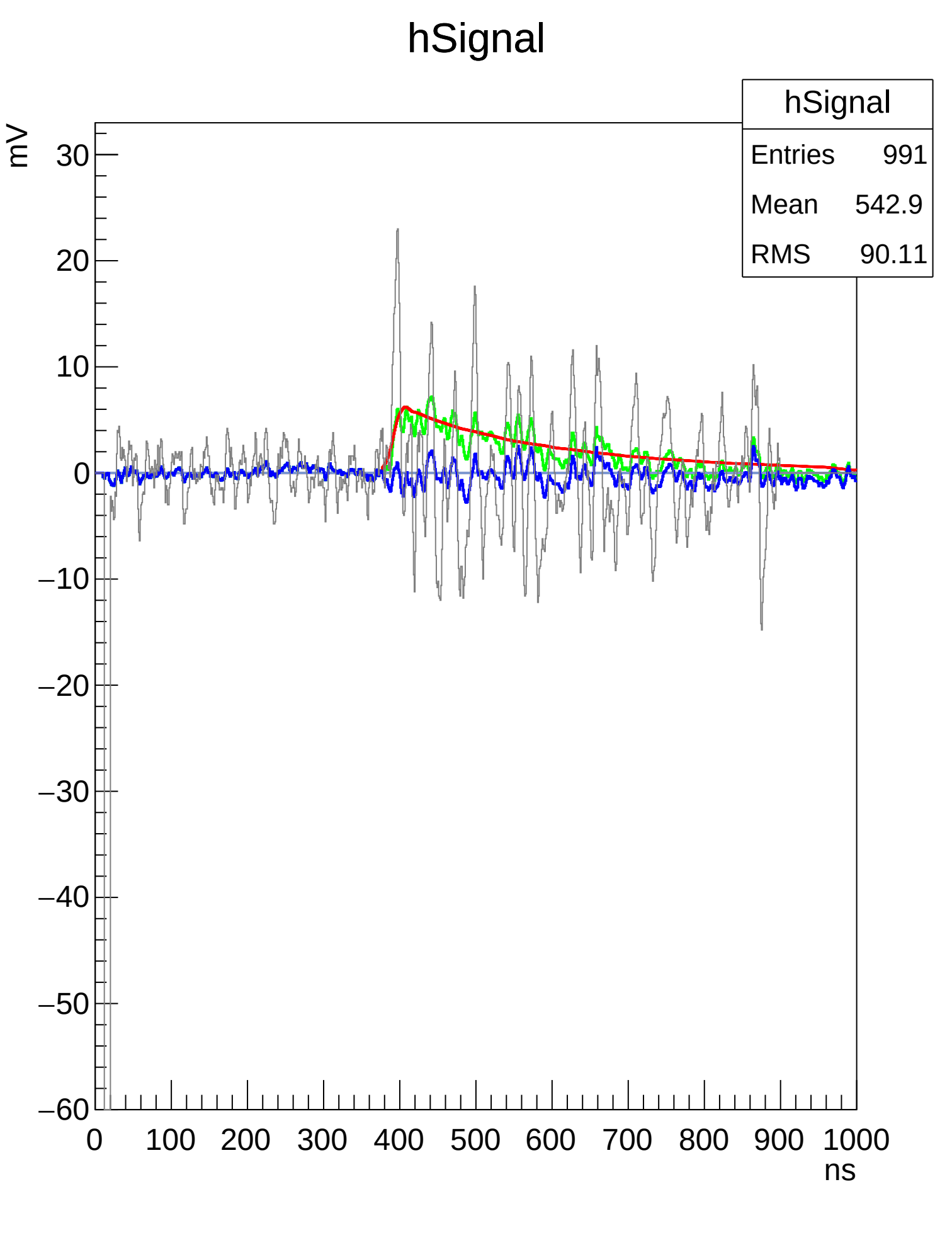
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 152.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.9
RMS 129.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.9
RMS 90.11
mV
30
20
10
0
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−50
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0
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400
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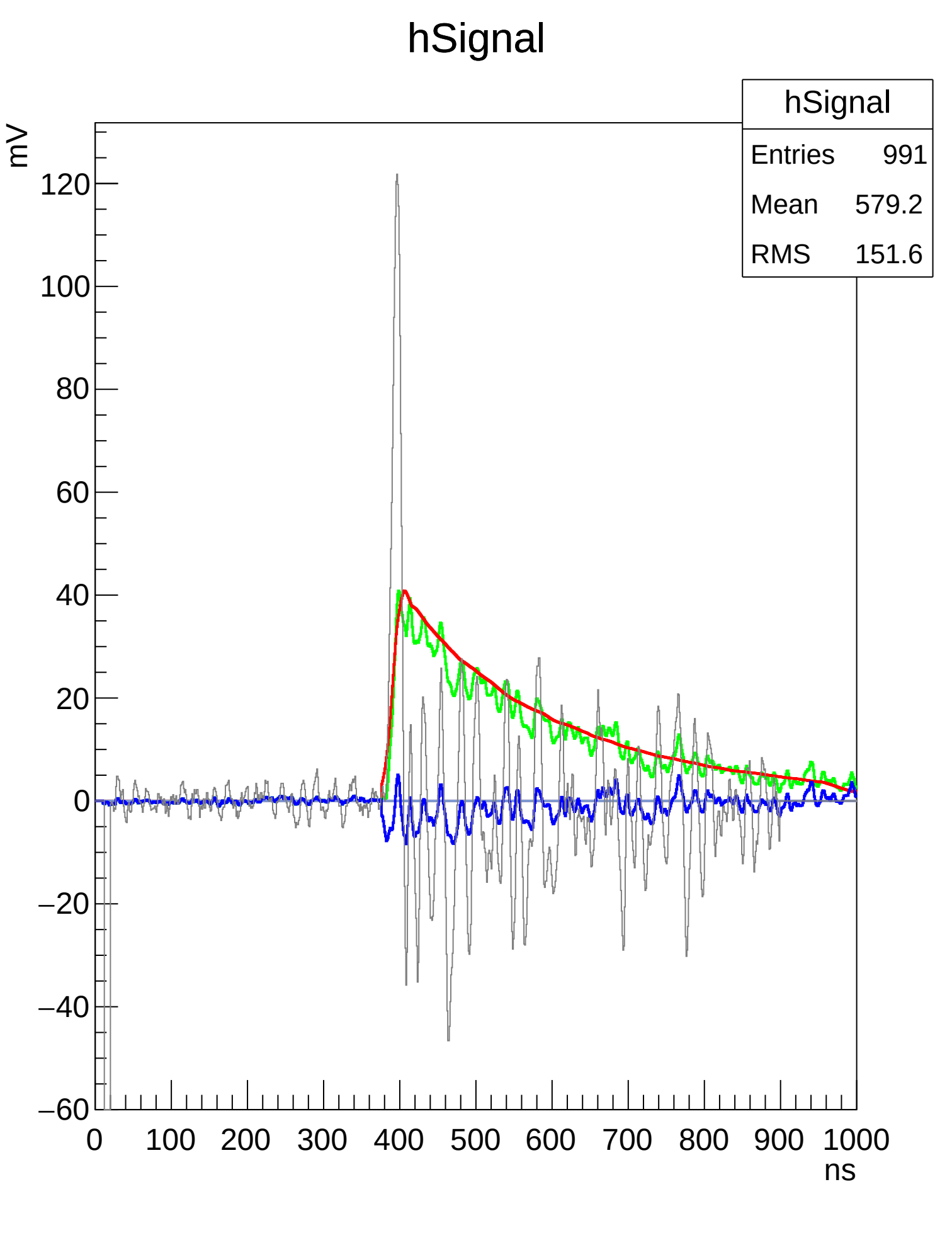
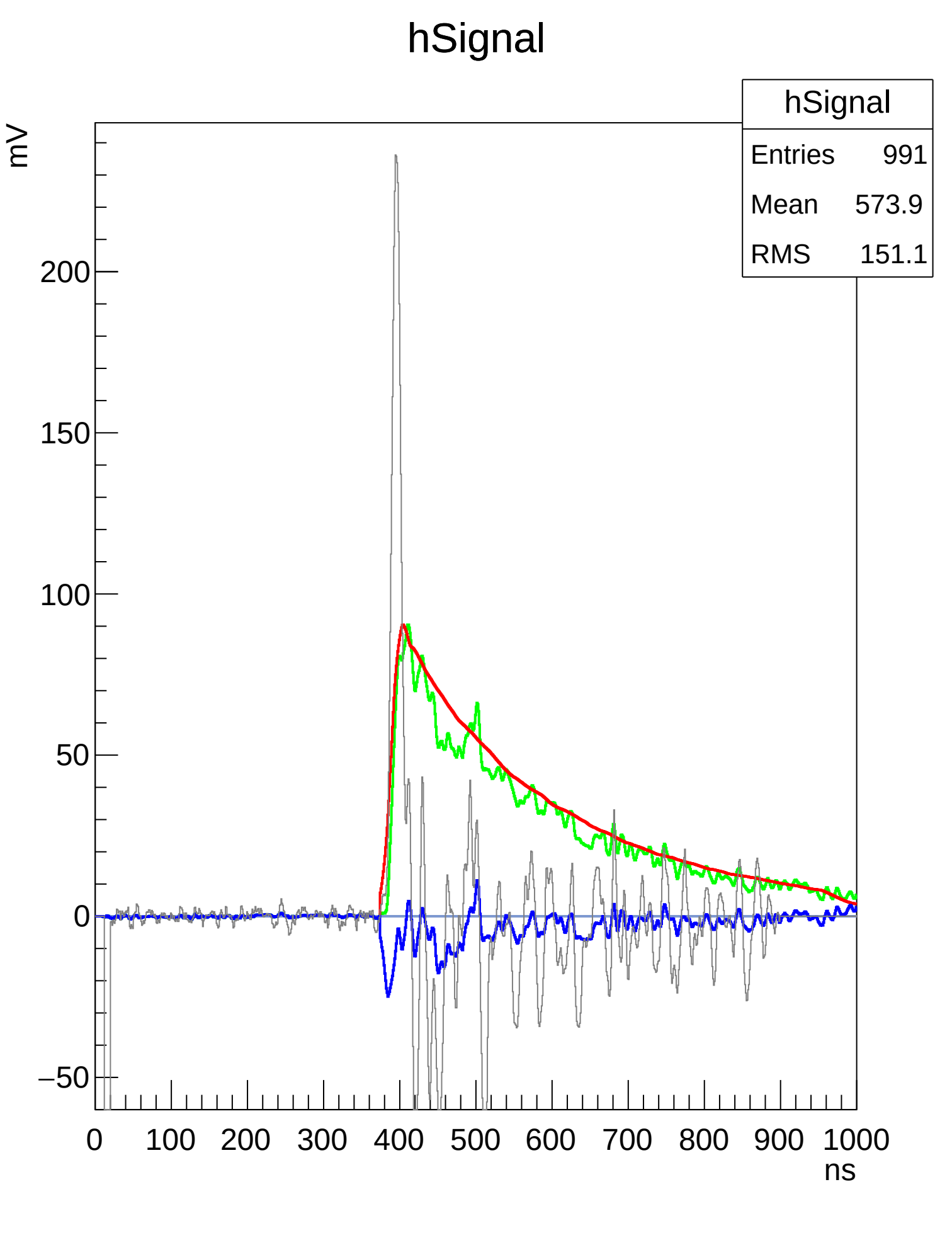
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 151.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.9
RMS 151.1
mV
200
150
100
50
0
−50
0
100
200
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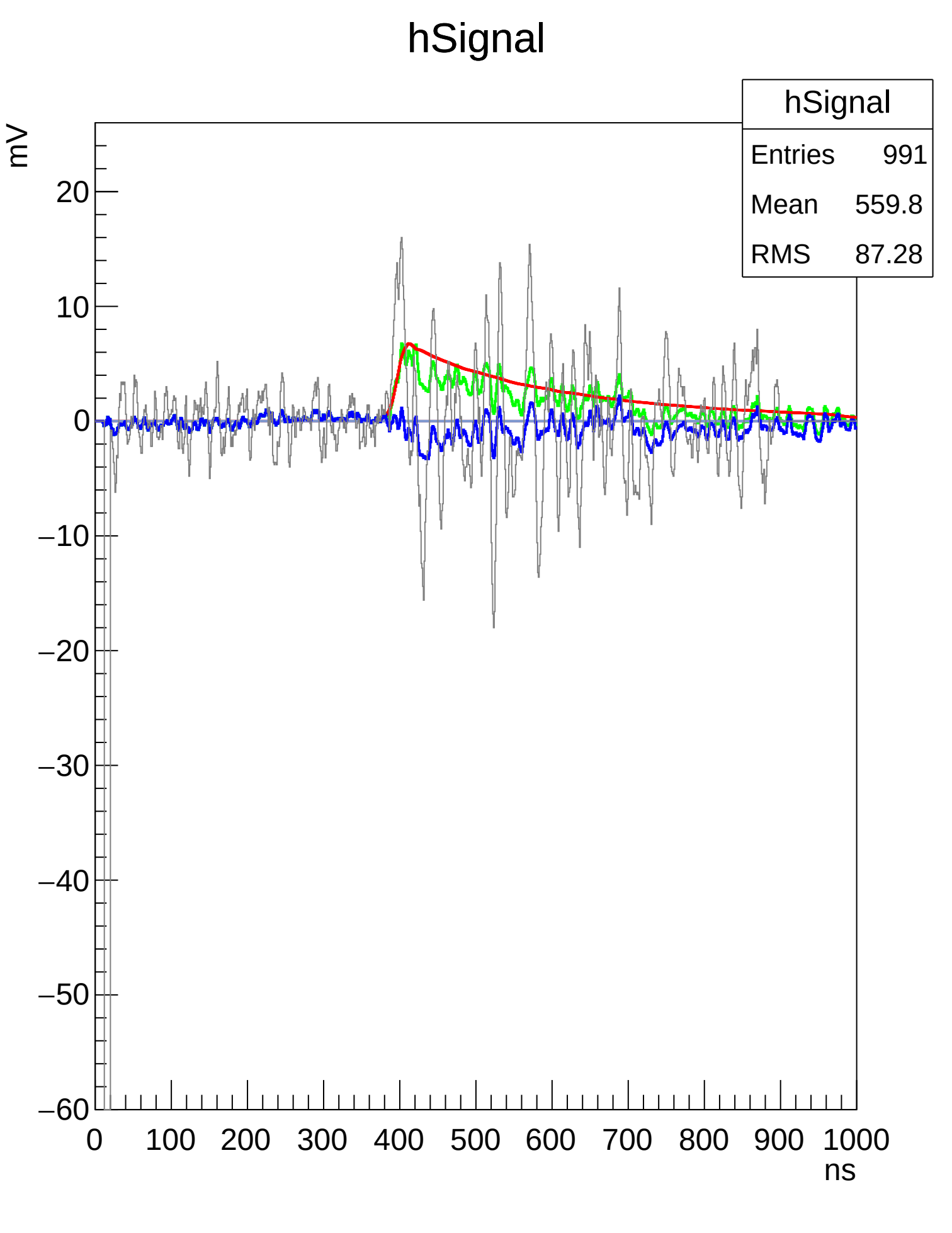
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.8
RMS 87.28
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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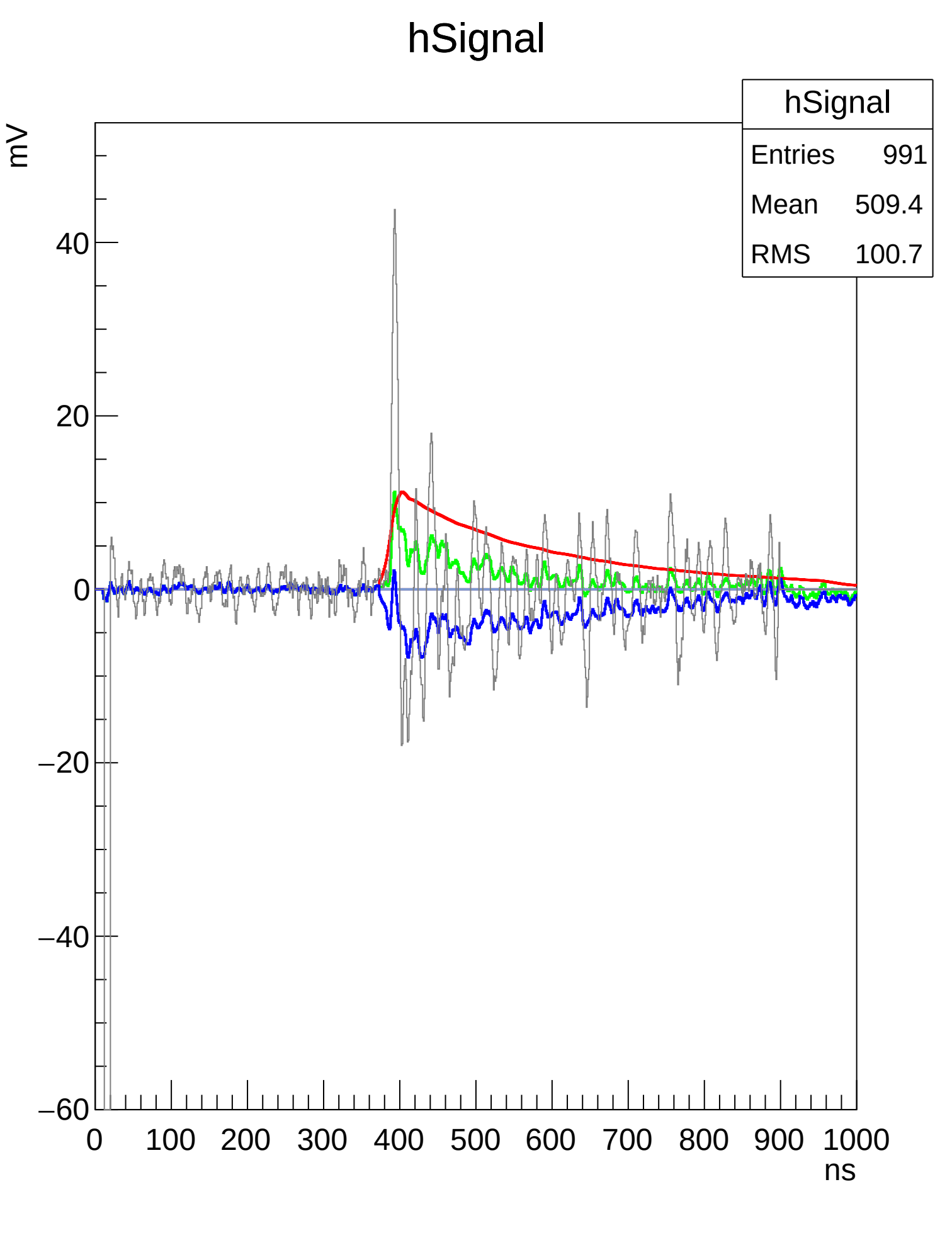
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.4
RMS 100.7
mV
40
20
0
−20
−40
−60
0
100
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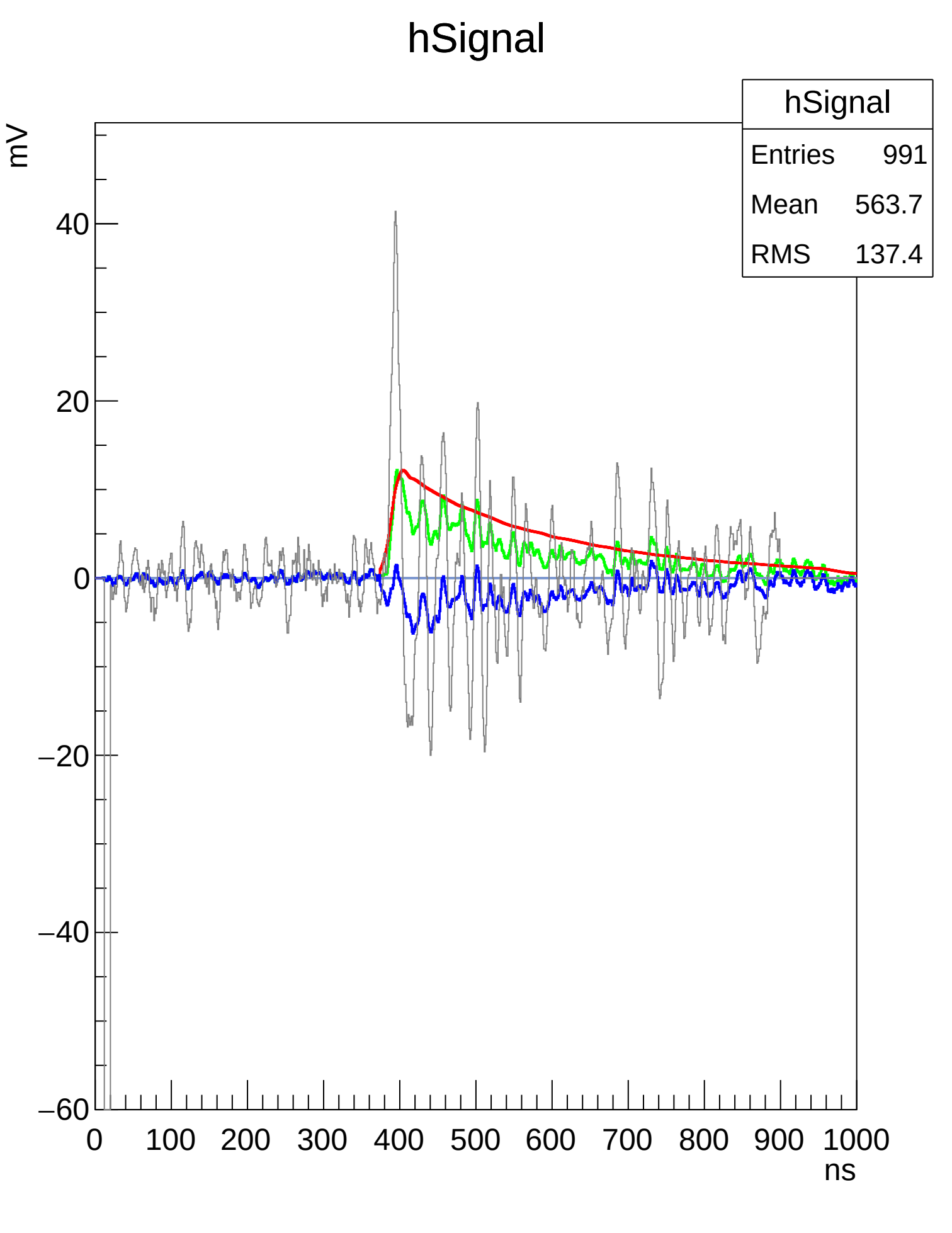
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.7
RMS 137.4
mV
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−20
−40
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0
100
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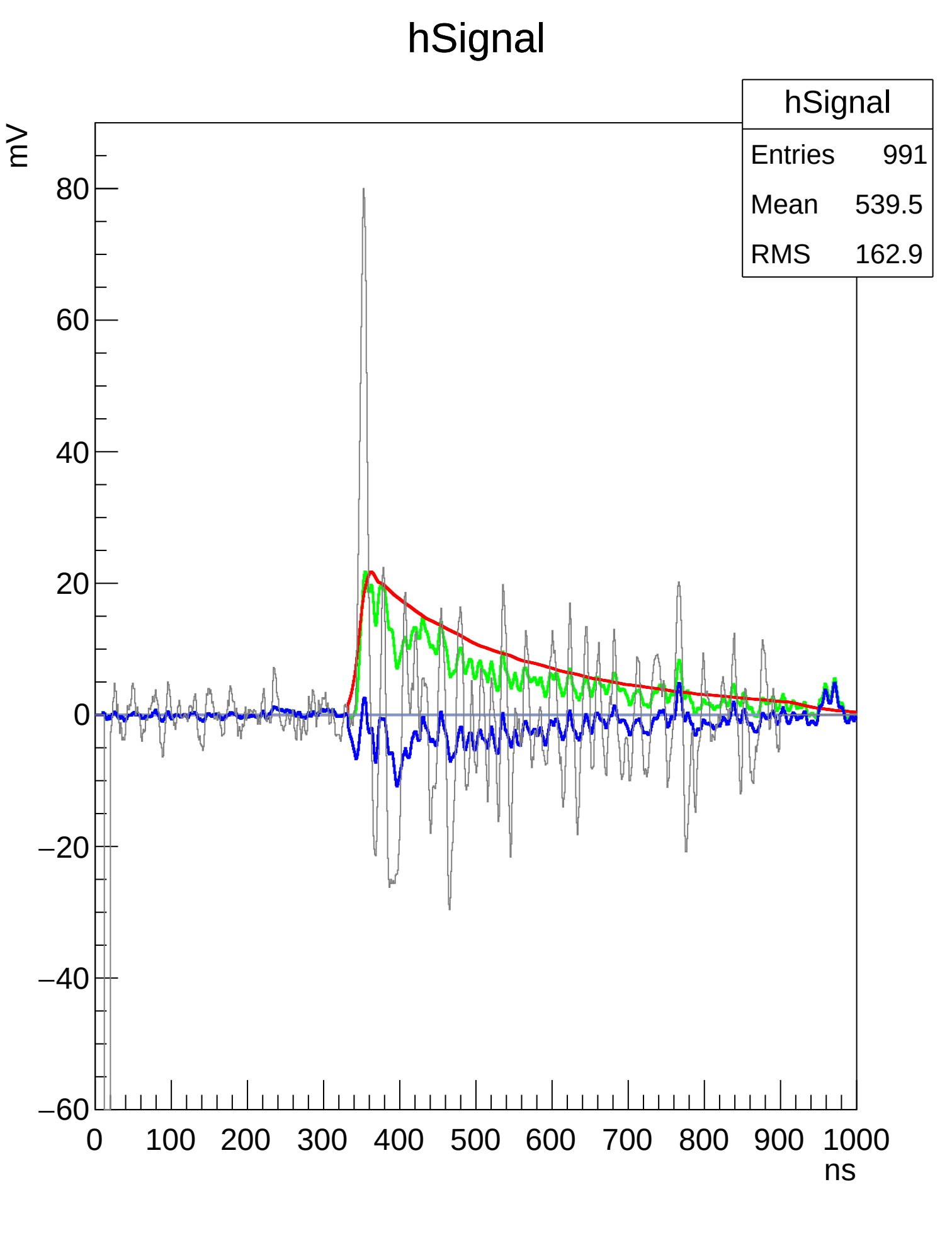
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.5
RMS 162.9
mV
80
60
40
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−20
−40
−60
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100
200
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400
500
600
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800
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1000
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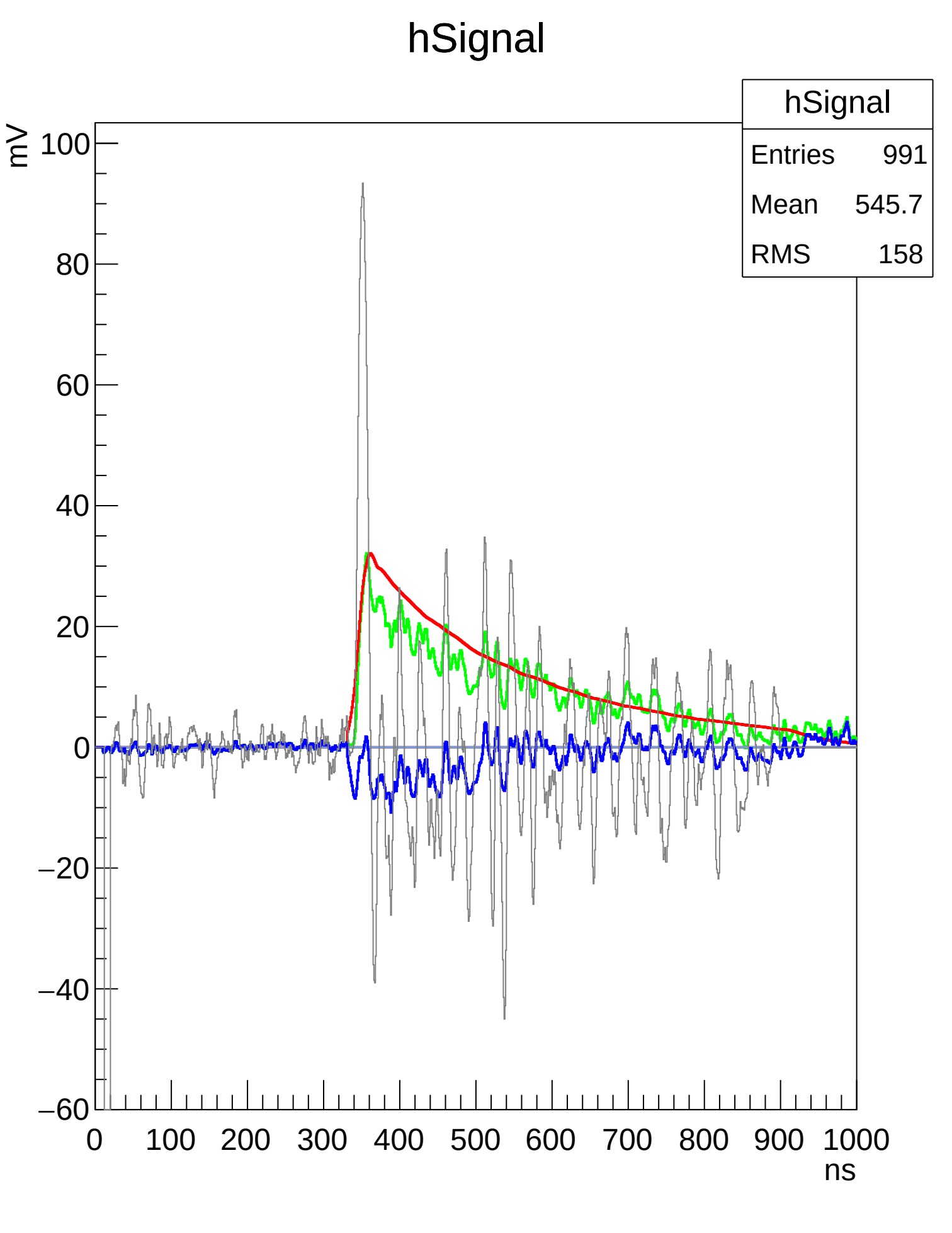
hSignal
hSignal
Entries 991
Mean 545.7
RMS 158
mV
100
80
60
40
20
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−20
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0
100
200
300
400
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700
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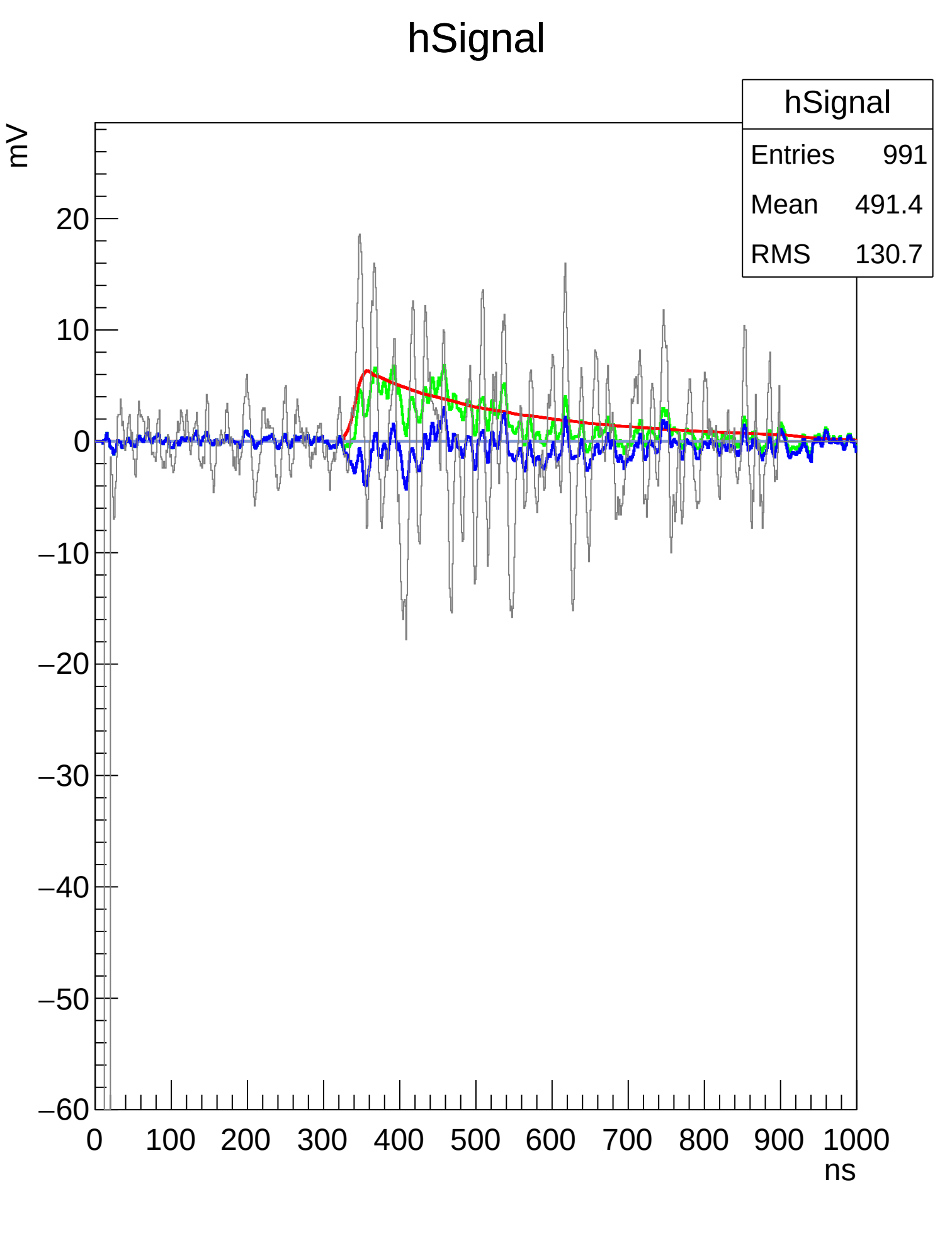
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.4
RMS 130.7
mV
20
10
0
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−20
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−40
−50
−60
0
100
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1000
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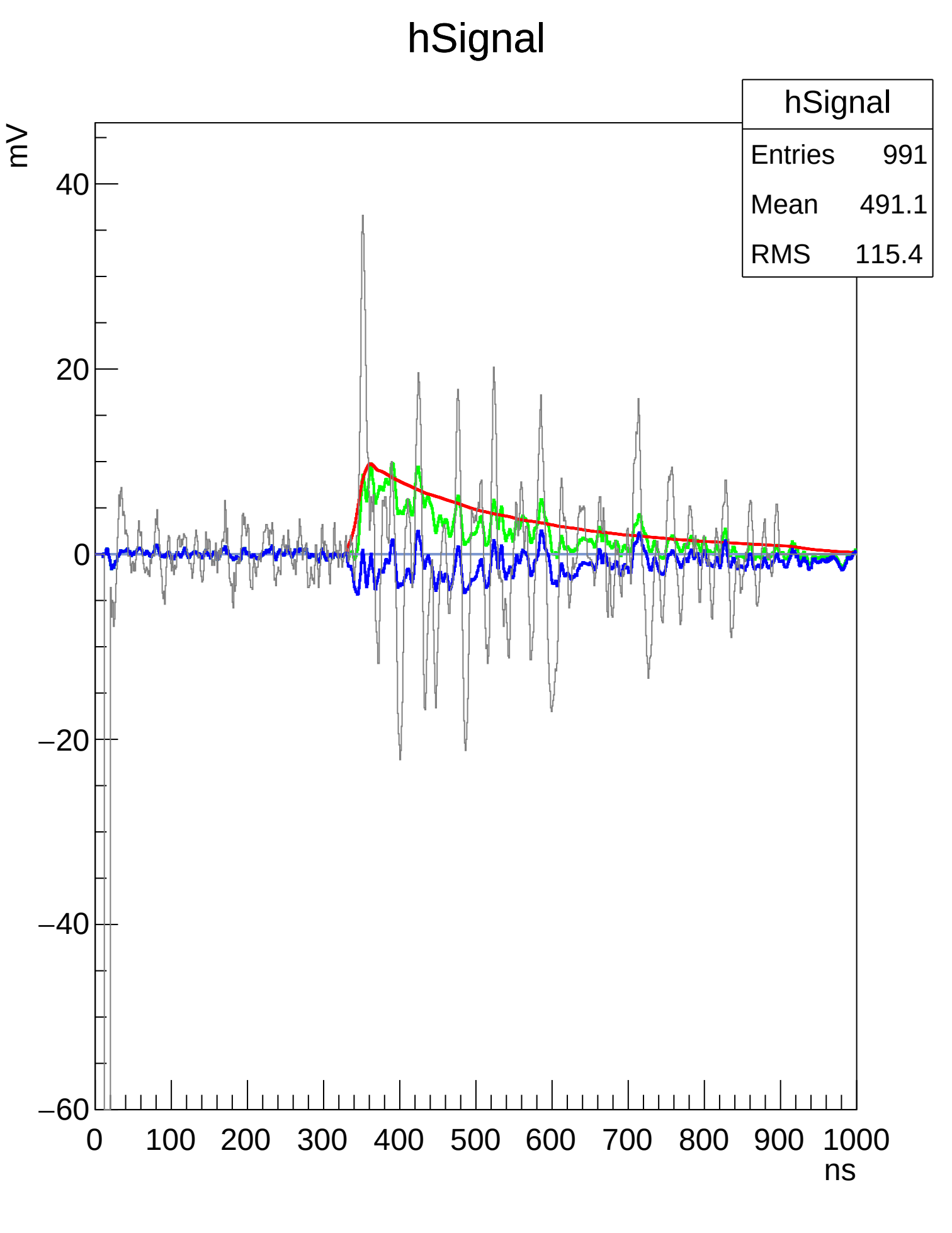
hSignal
hSignal
Entries 991
Mean 491.1
RMS 115.4
mV
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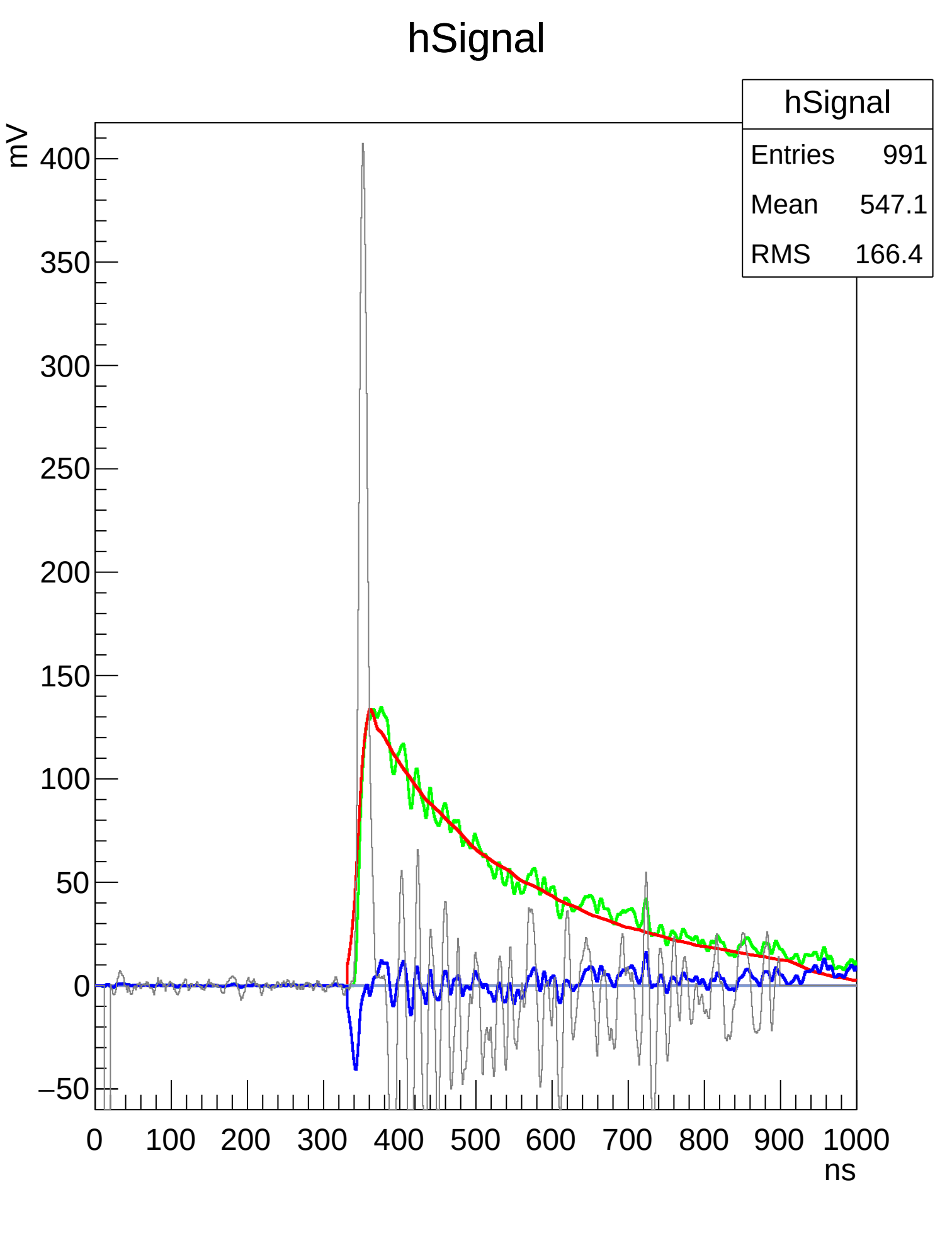
hSignal
hSignal
Entries 991
Mean 547.1
RMS 166.4
mV
400
350
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200
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100
50
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0
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200
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400
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800
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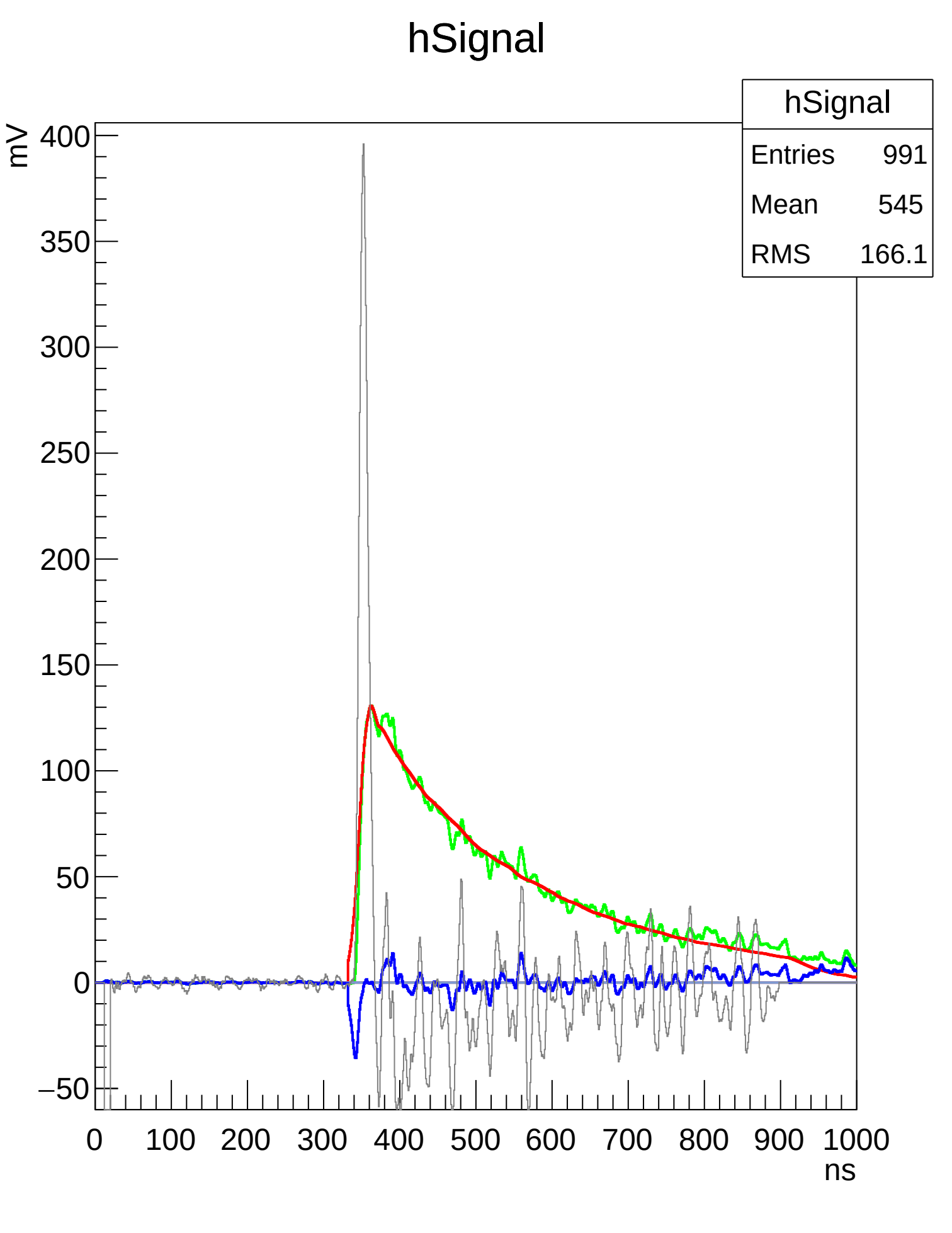
hSignal
hSignal
Entries 991
Mean 545
RMS 166.1
mV
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350
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400
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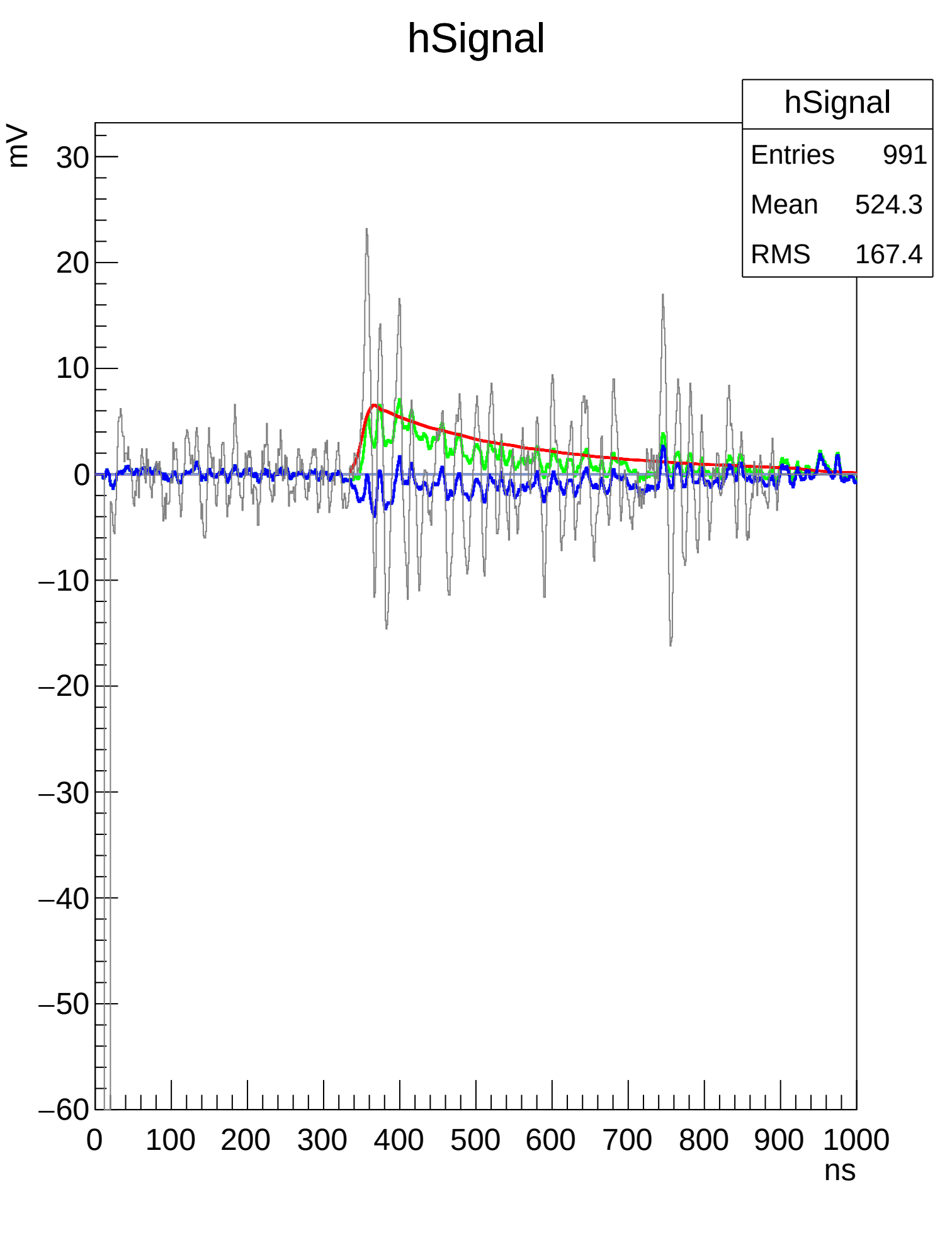
hSignal
hSignal
Entries 991
Mean 524.3
RMS 167.4
mV
30
20
10
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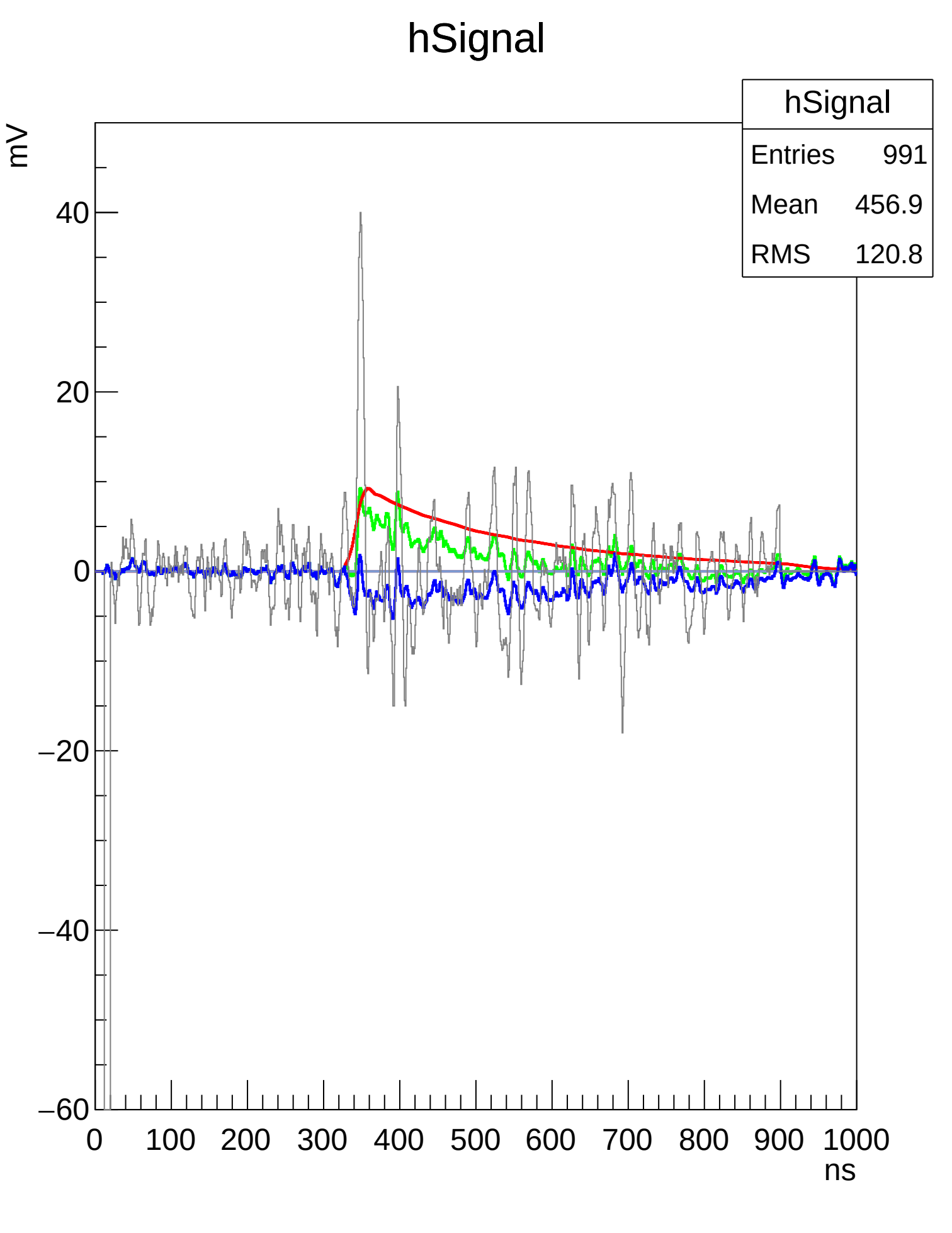
hSignal
hSignal
Entries 991
Mean 456.9
RMS 120.8
mV
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800
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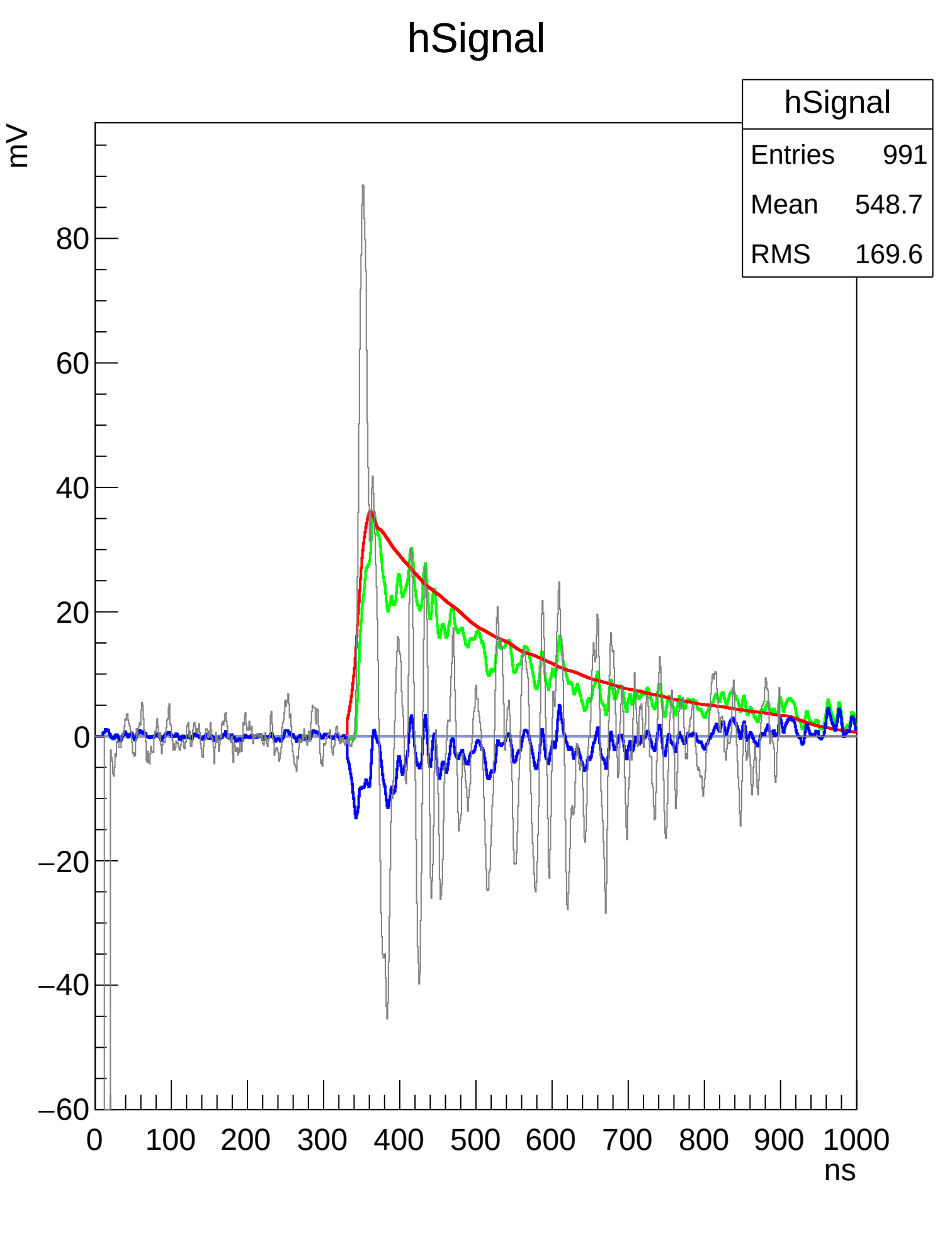
hSignal
hSignal
Entries 991
Mean 548.7
RMS 169.6
mV
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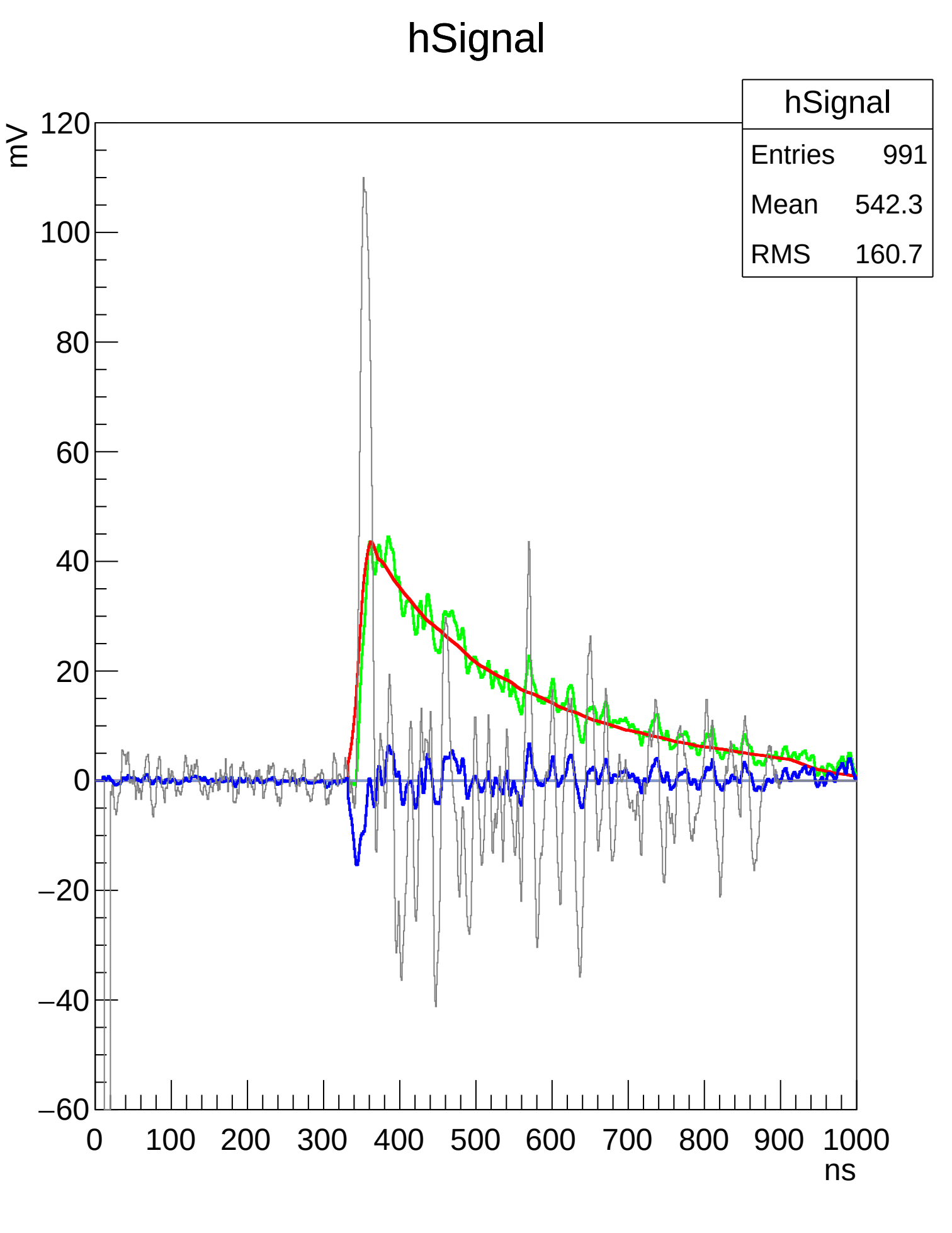
hSignal
hSignal
Entries 991
Mean 542.3
RMS 160.7
mV
120
100
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400
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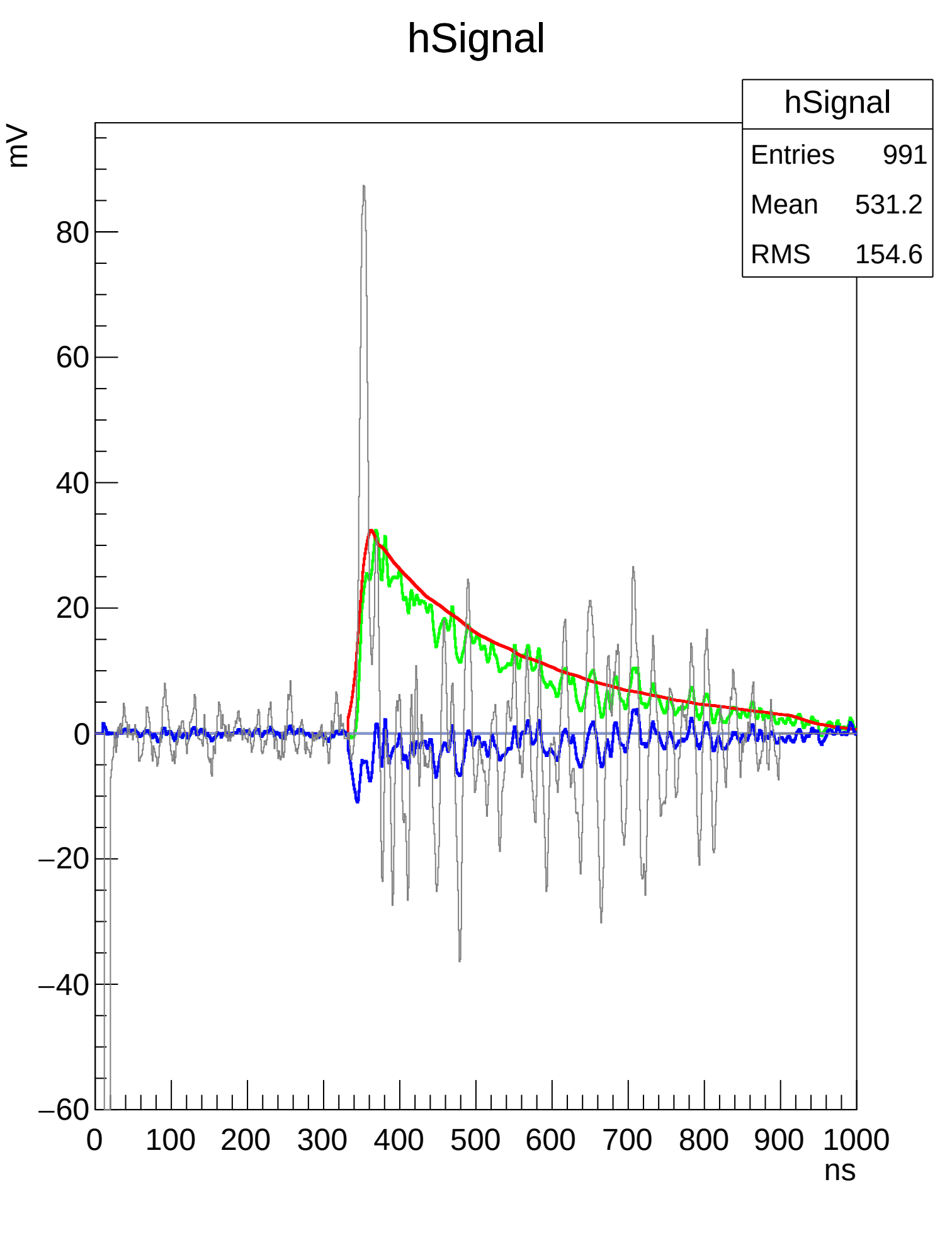
hSignal
hSignal
Entries 991
Mean 531.2
RMS 154.6
mV
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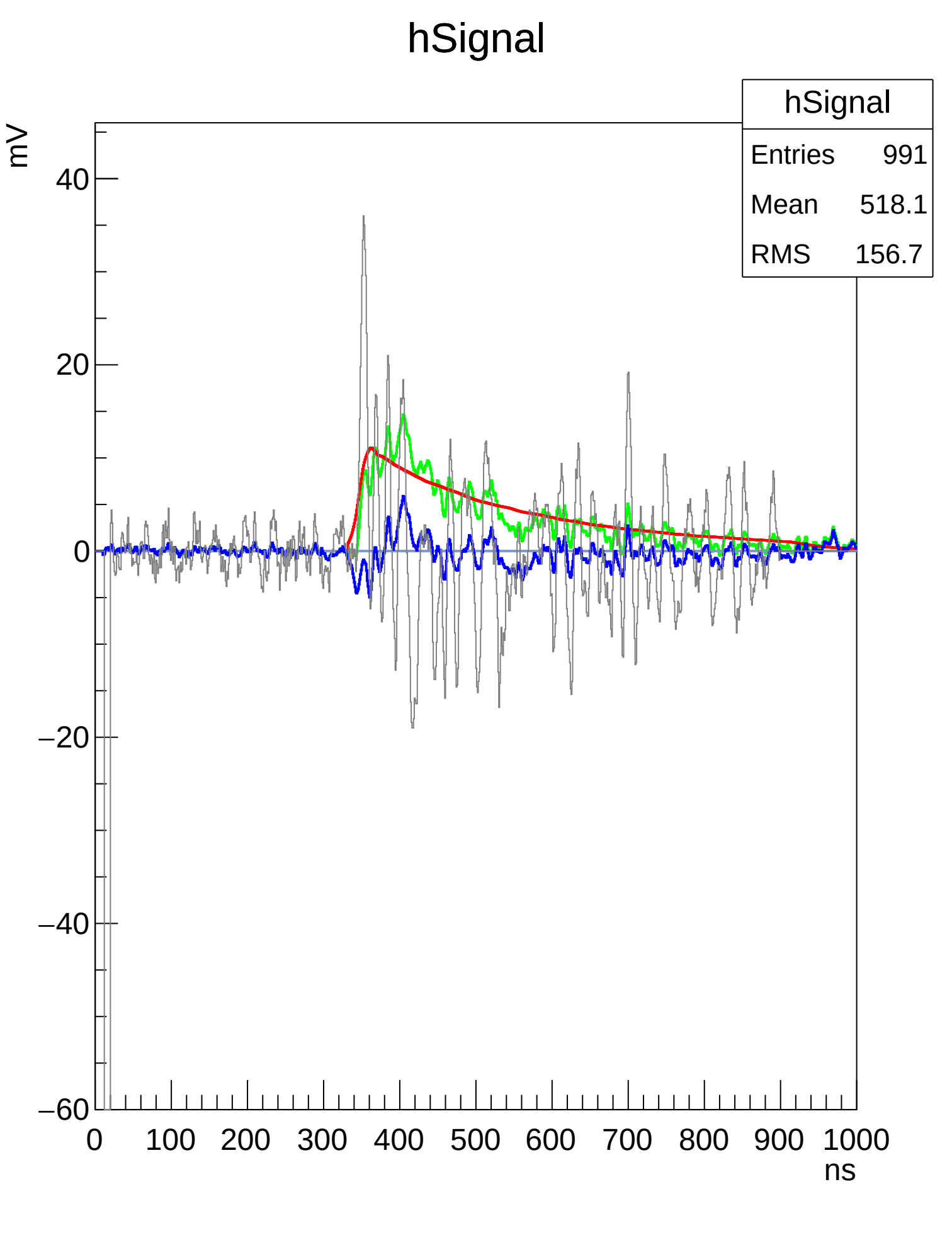
1000
ns


hSignal
hSignal
Entries 991
Mean 518.1
RMS 156.7
mV
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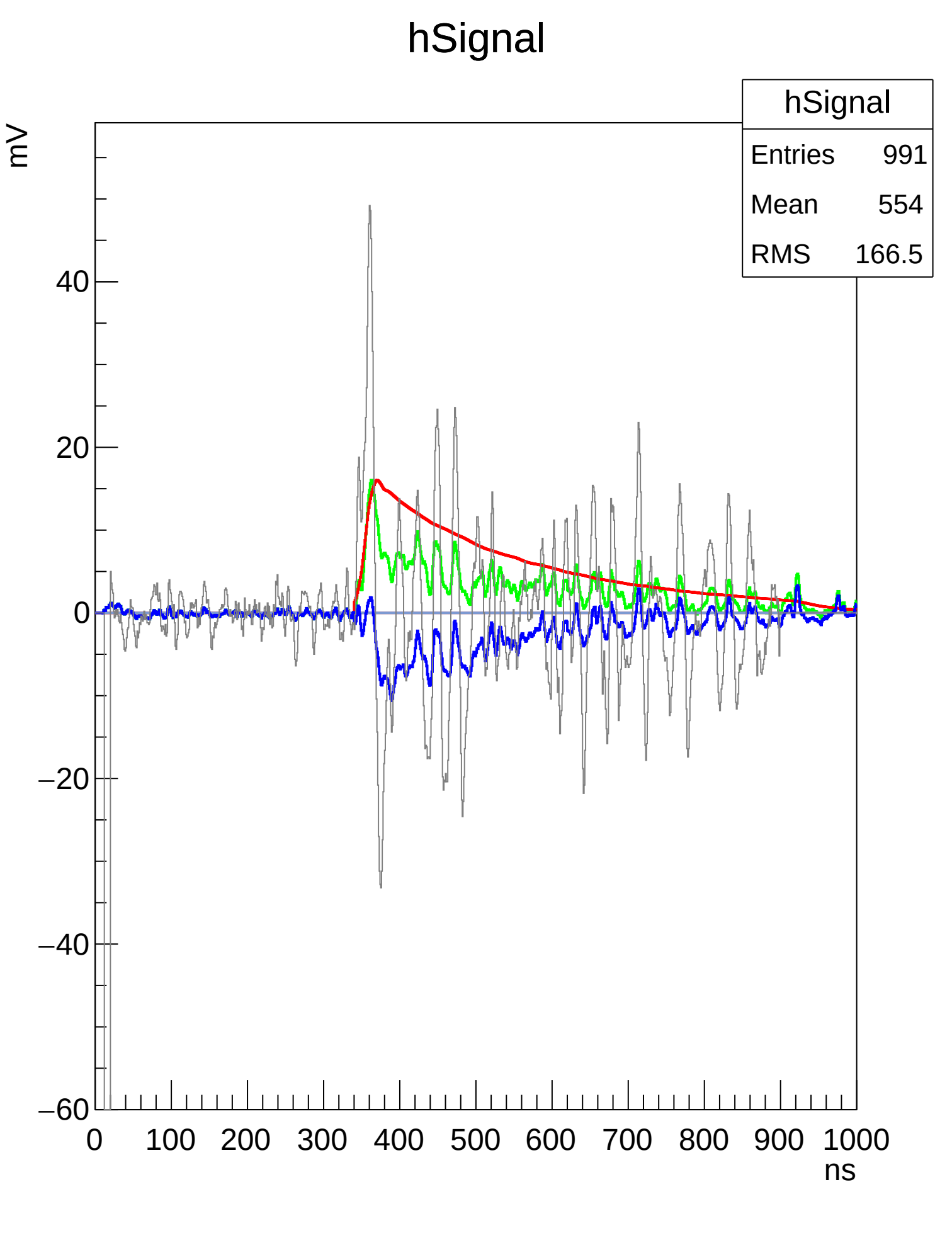
hSignal
hSignal
Entries 991
Mean 554
RMS 166.5
mV
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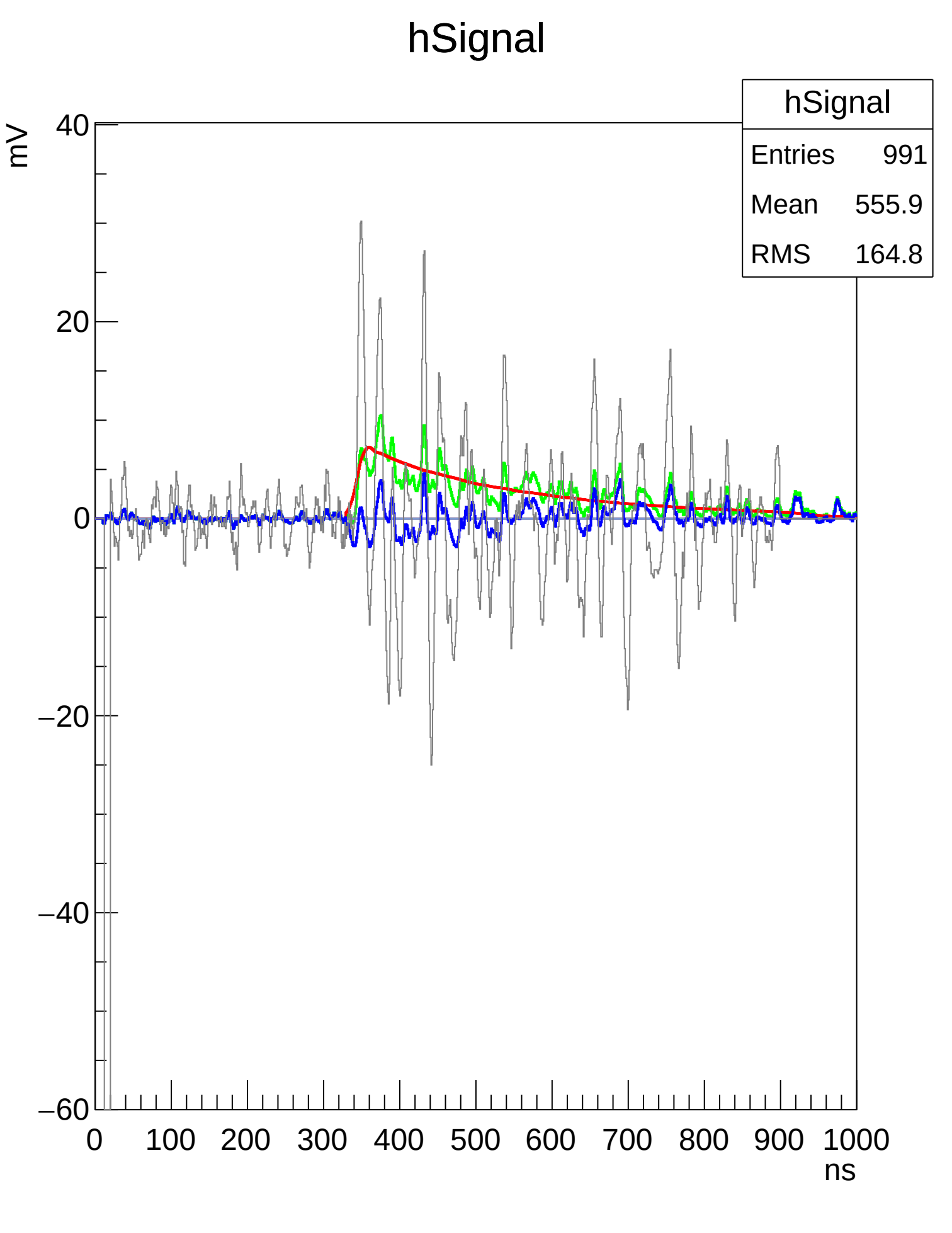
hSignal
hSignal
Entries 991
Mean 555.9
RMS 164.8
mV
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−20
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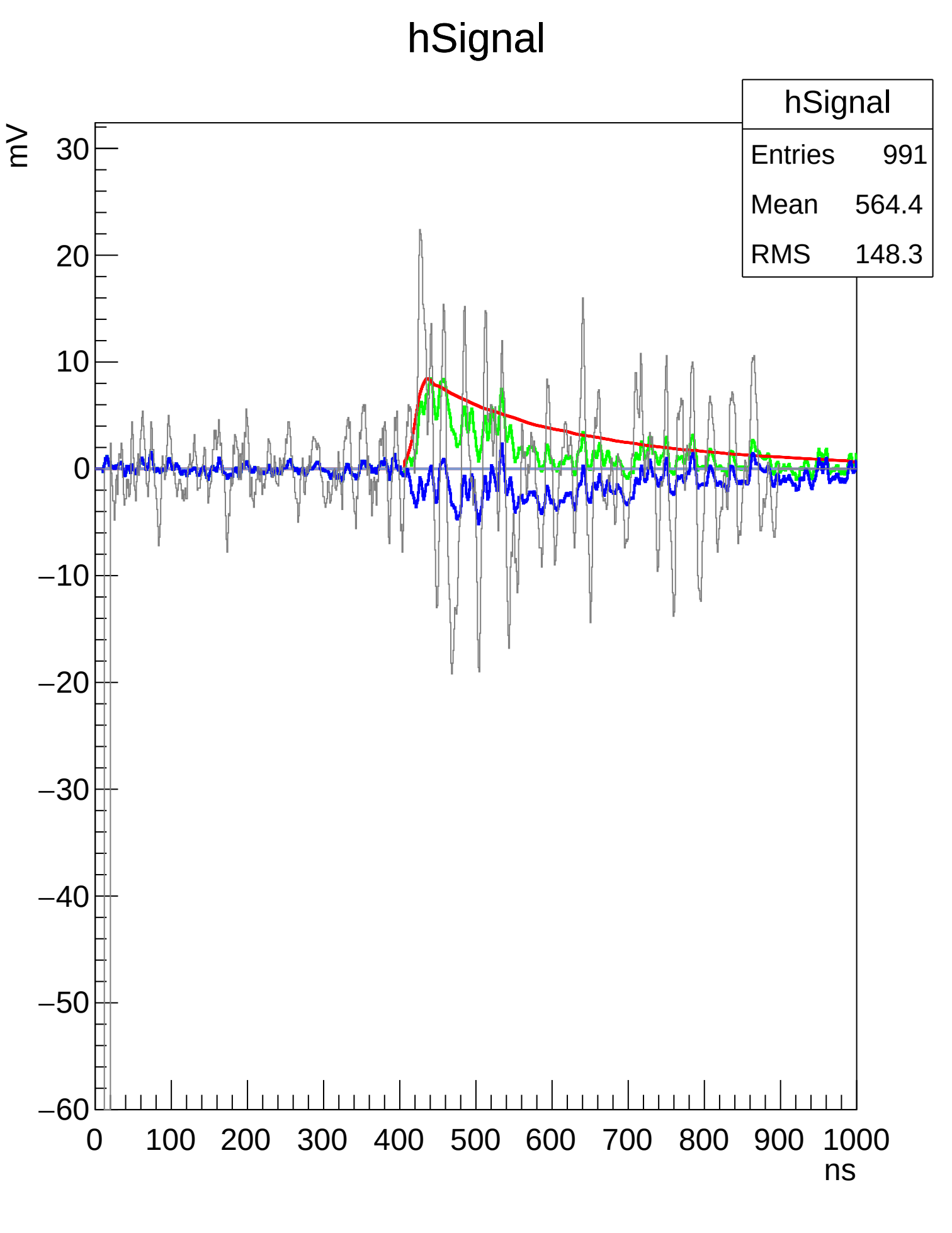
hSignal
hSignal
Entries 991
Mean 564.4
RMS 148.3
mV
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10
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100
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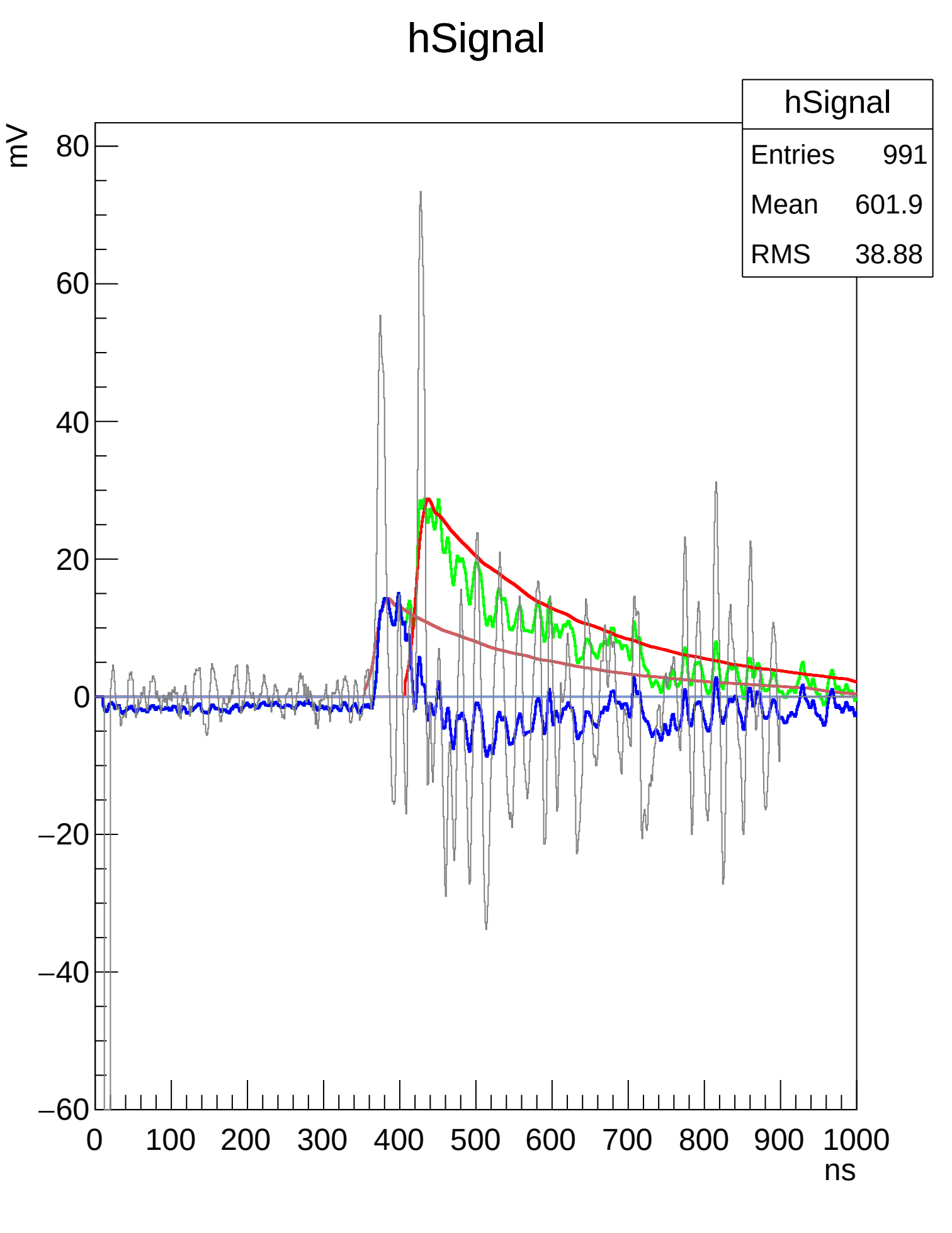
1000
ns


hSignal
hSignal
Entries 991
Mean 601.9
RMS 38.88
mV
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200
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400
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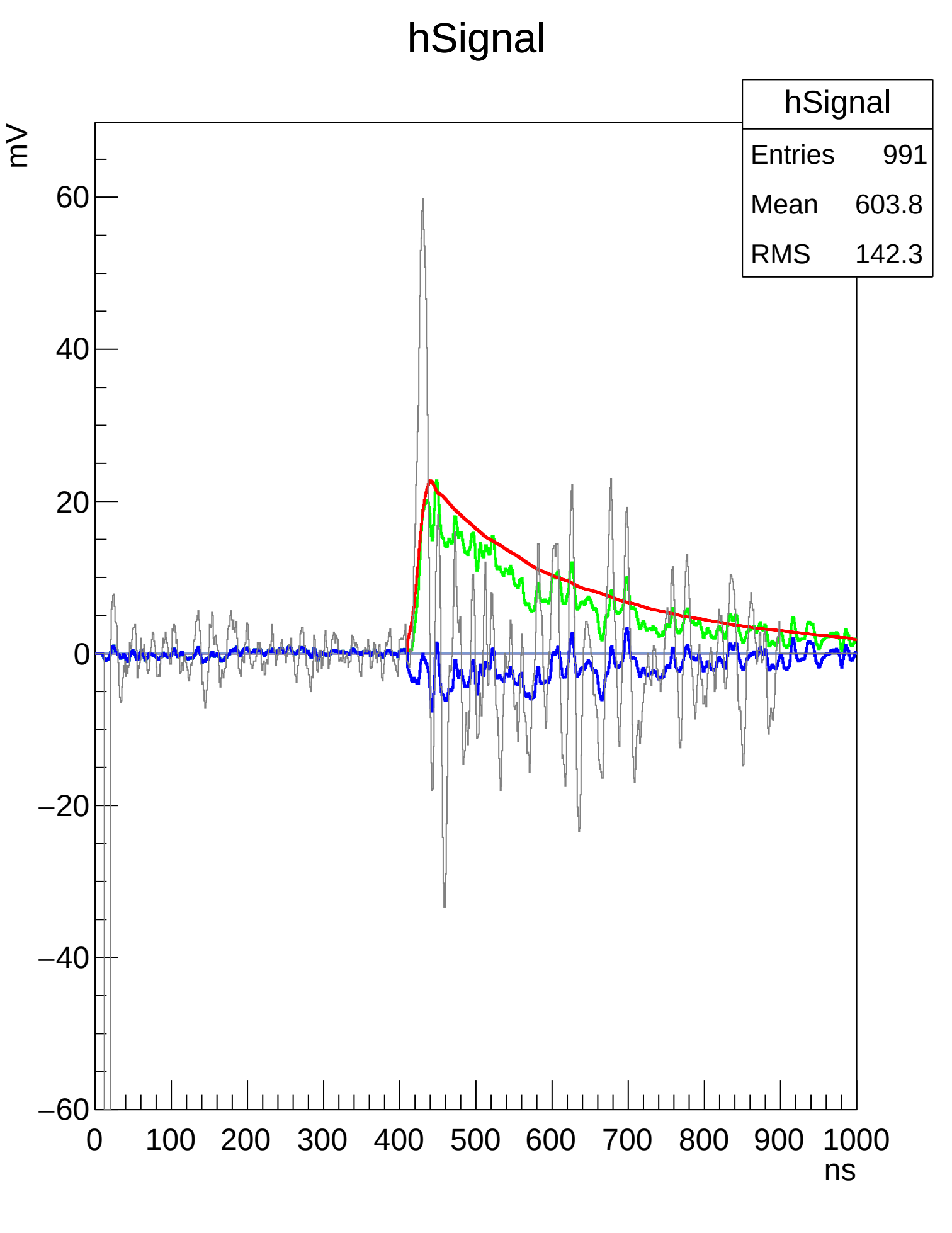
hSignal
hSignal
Entries 991
Mean 603.8
RMS 142.3
mV
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20
0
−20
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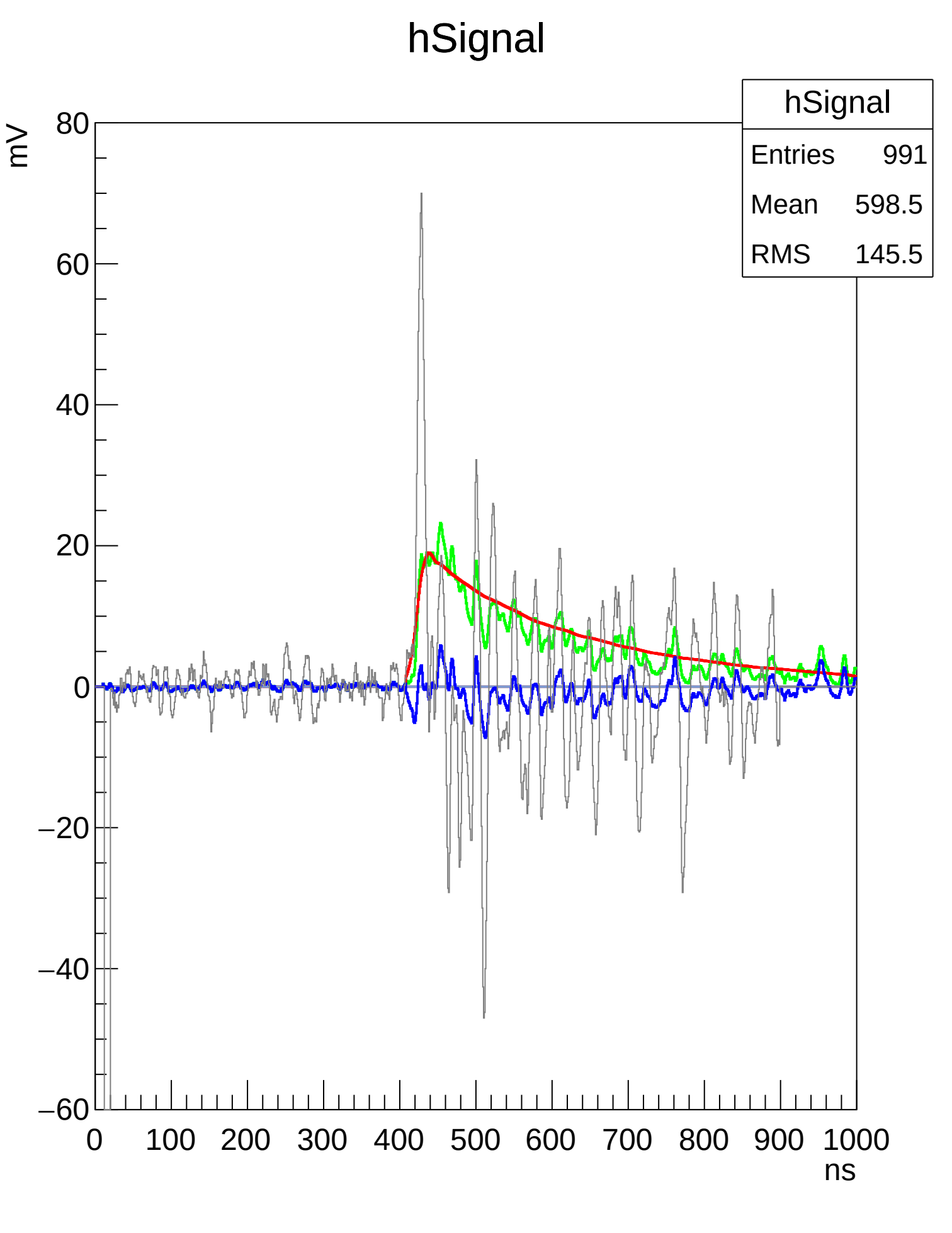
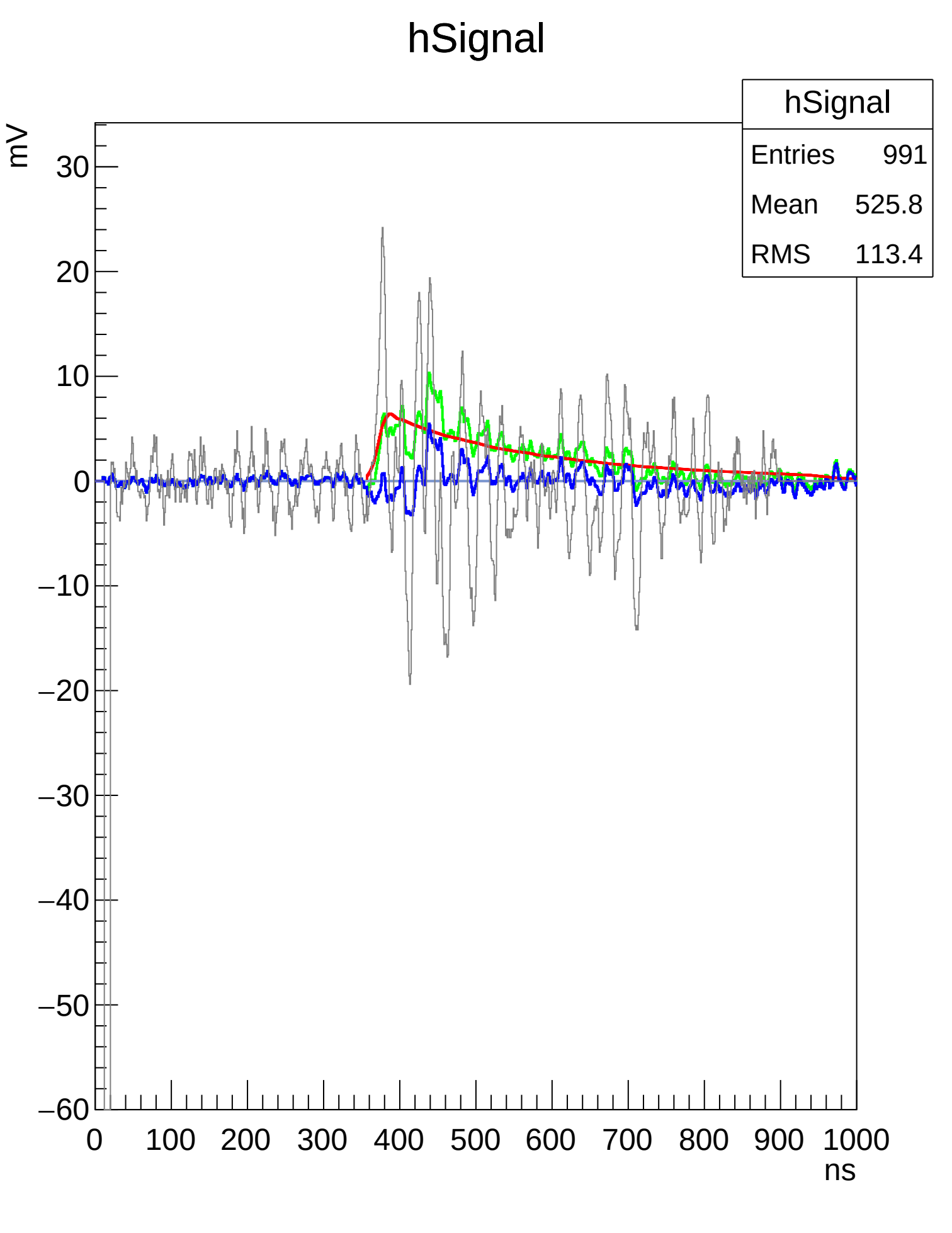
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.5
RMS 145.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.8
RMS 113.4
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
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400
500
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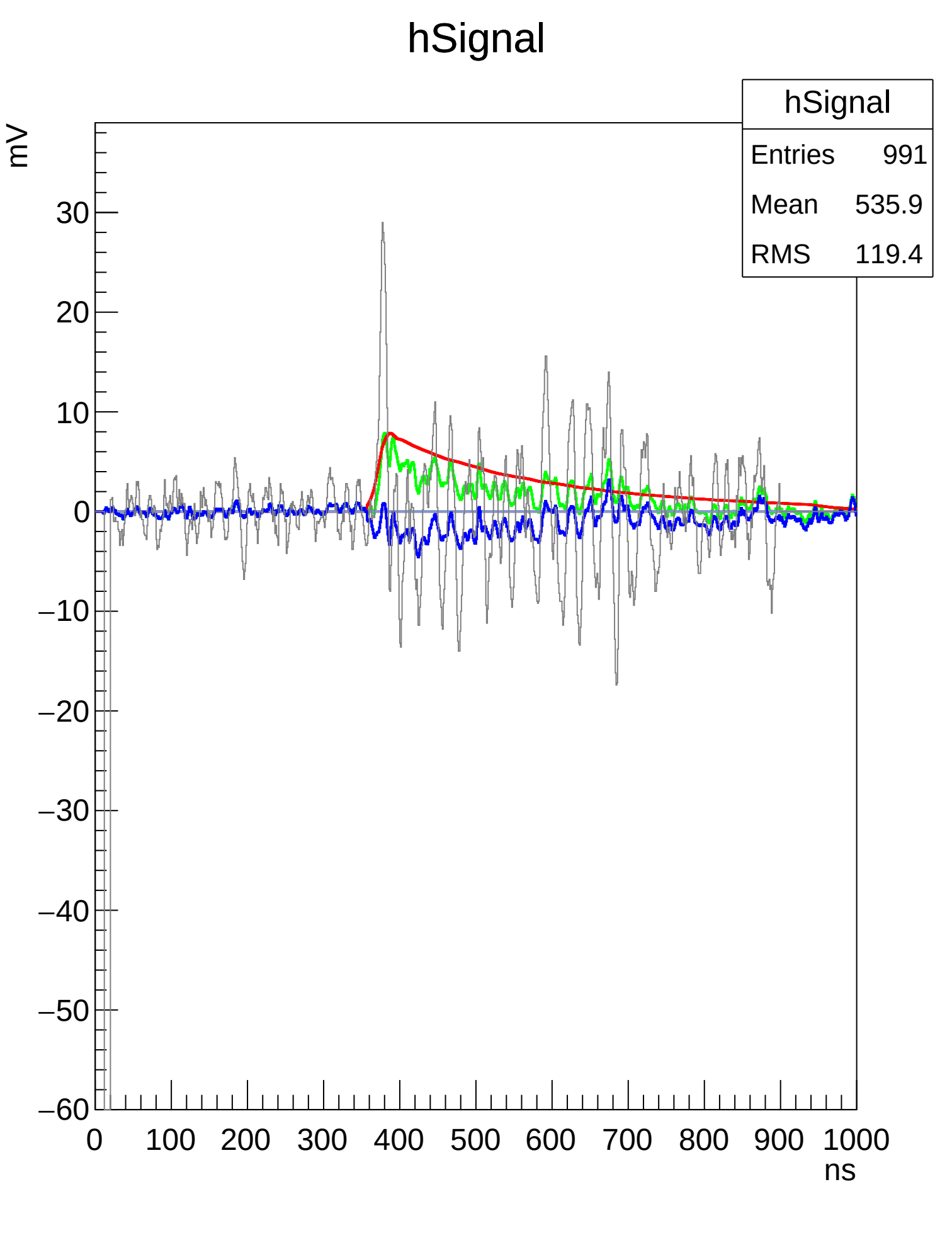
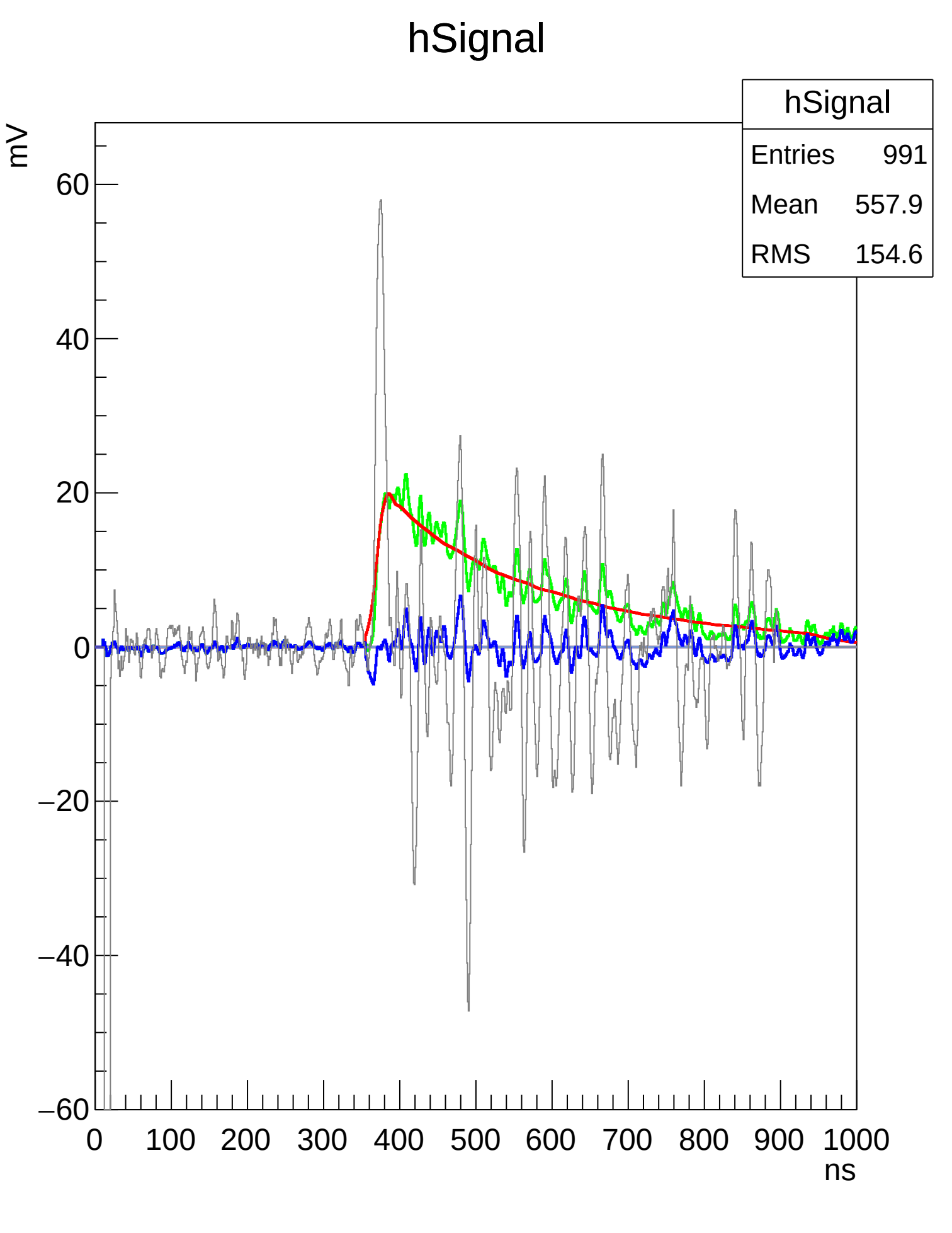
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.9
RMS 119.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.9
RMS 154.6
mV
60
40
20
0
−20
−40
−60
0
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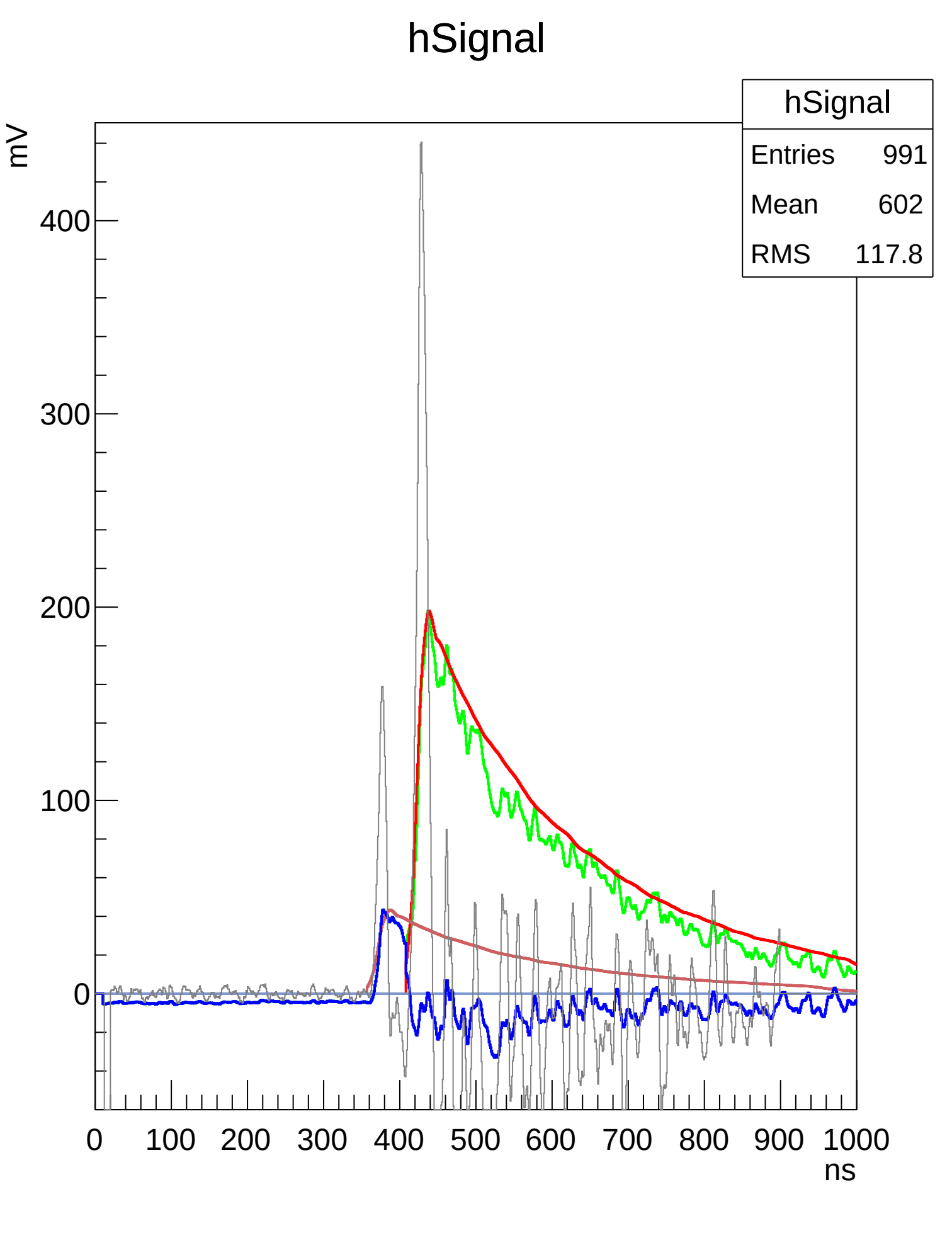
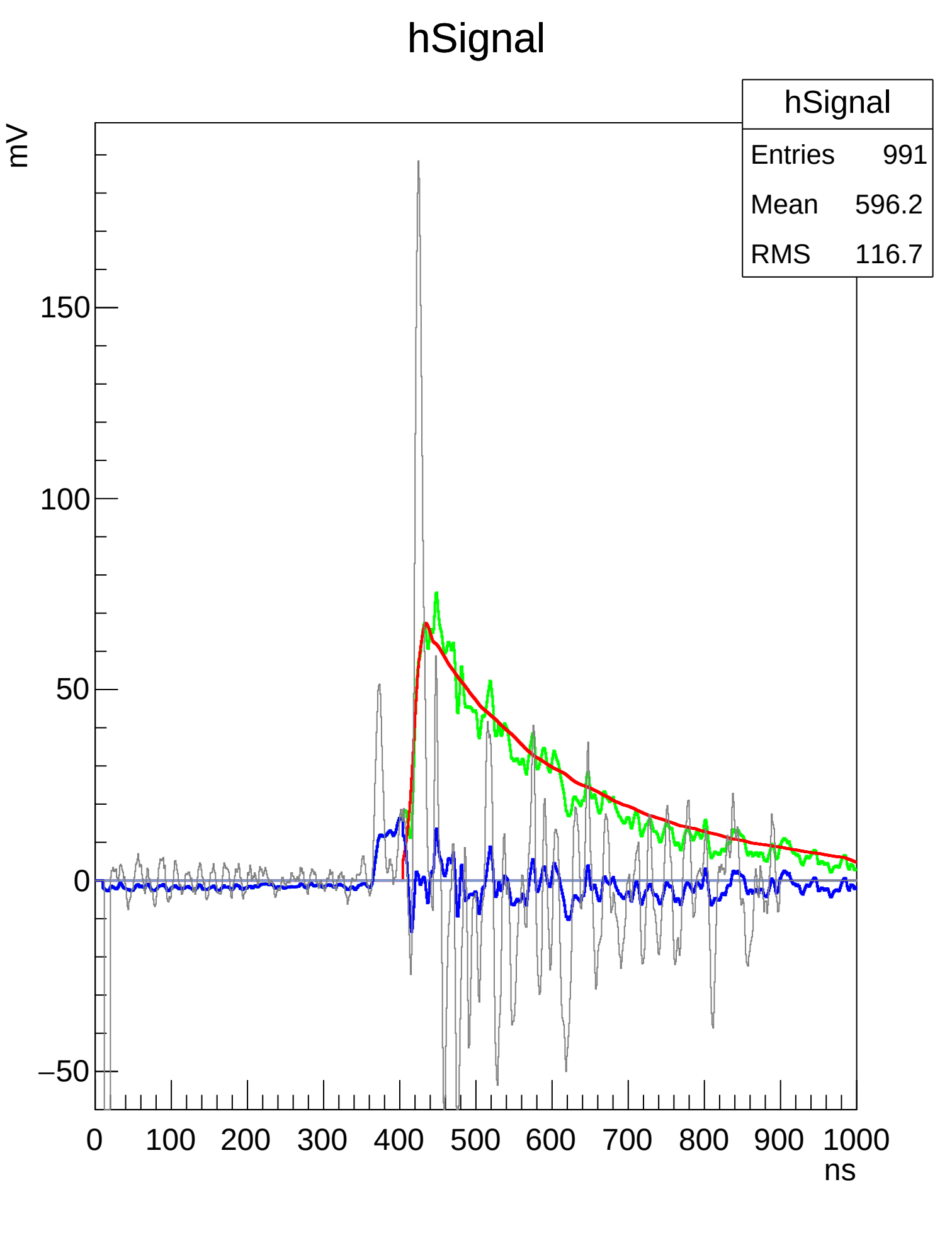
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602
RMS 117.8
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 596.2
RMS 116.7
mV
150
100
50
0
−50
0
100
200
300
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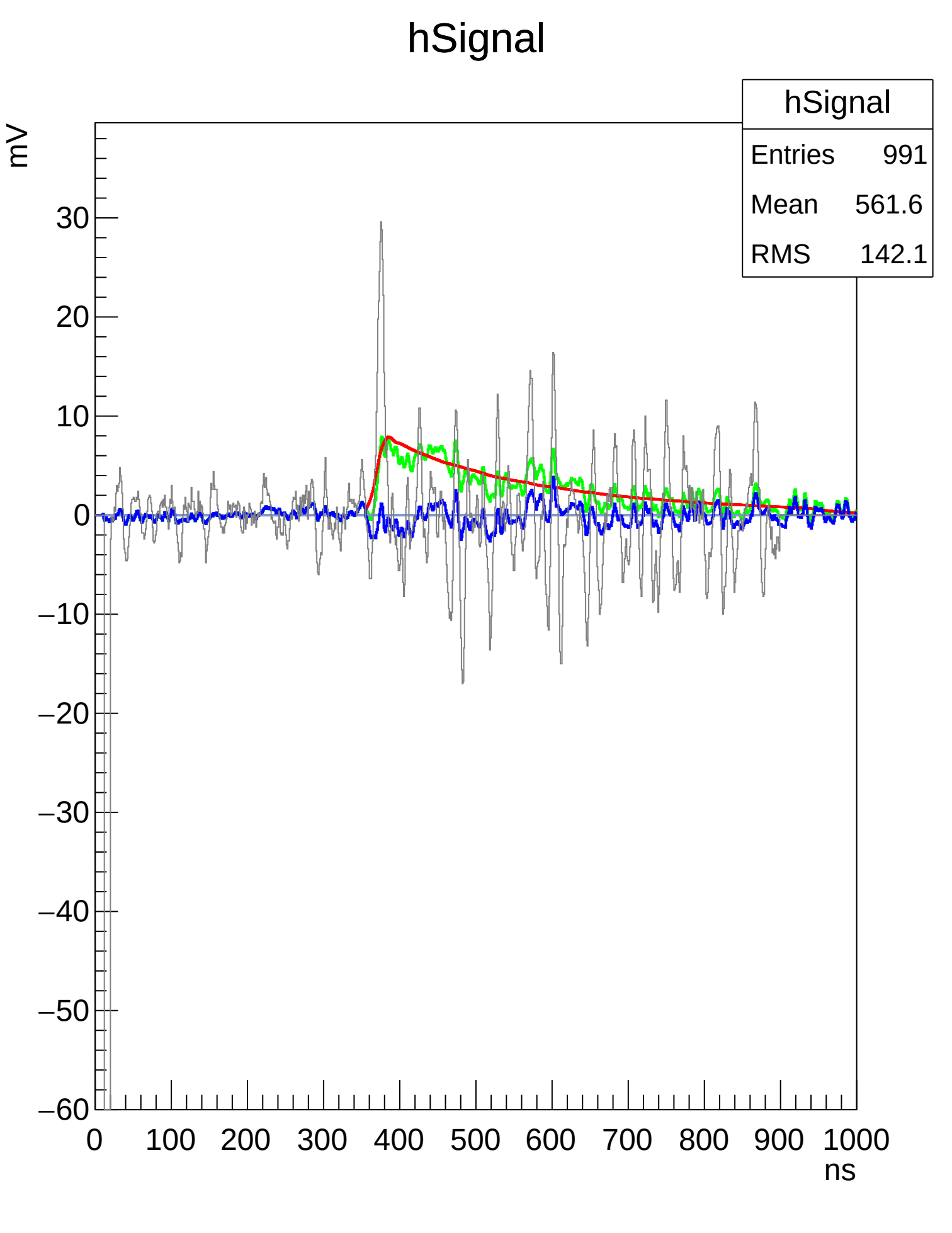
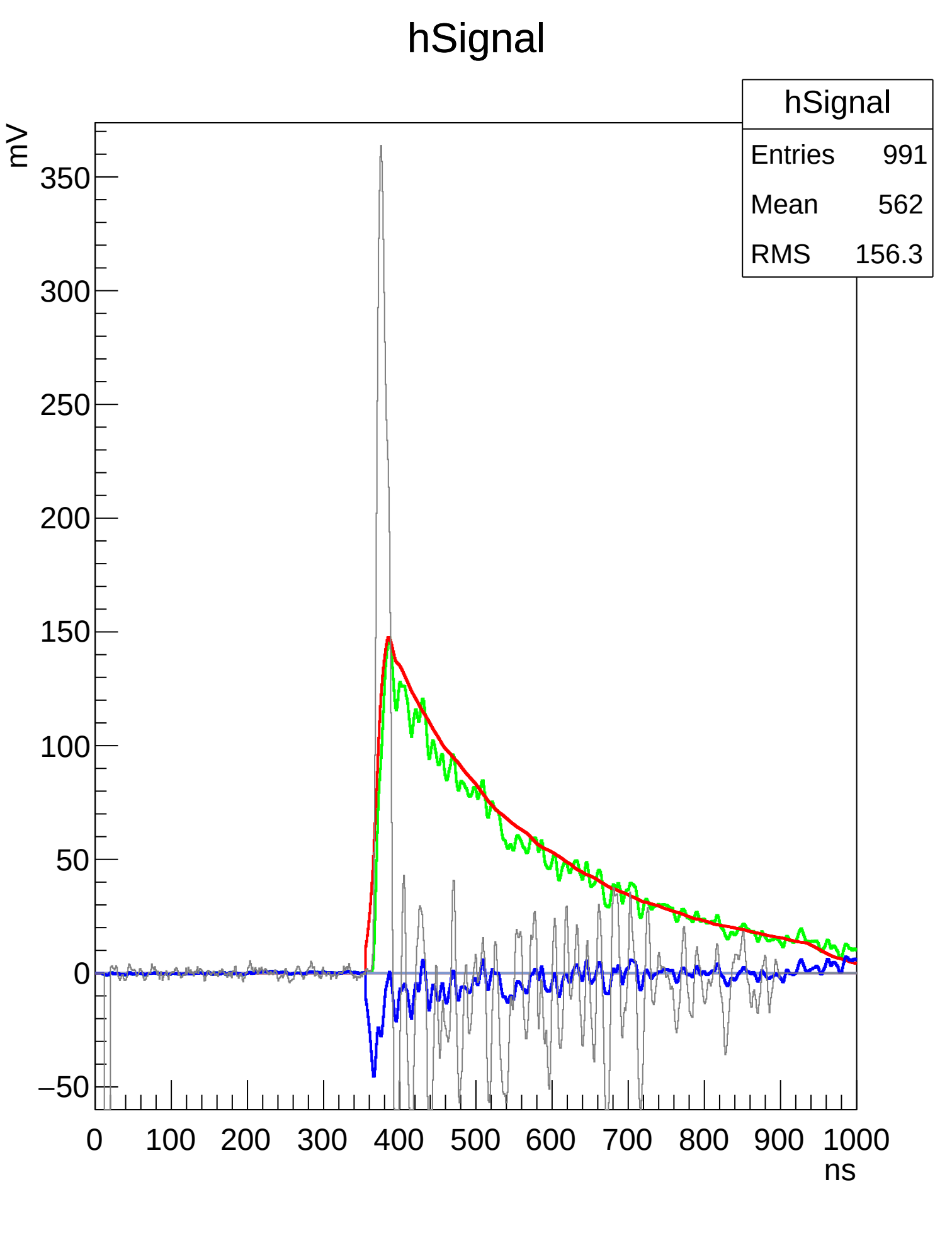
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.6
RMS 142.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562
RMS 156.3
mV
350
300
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200
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100
50
0
−50
0
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600
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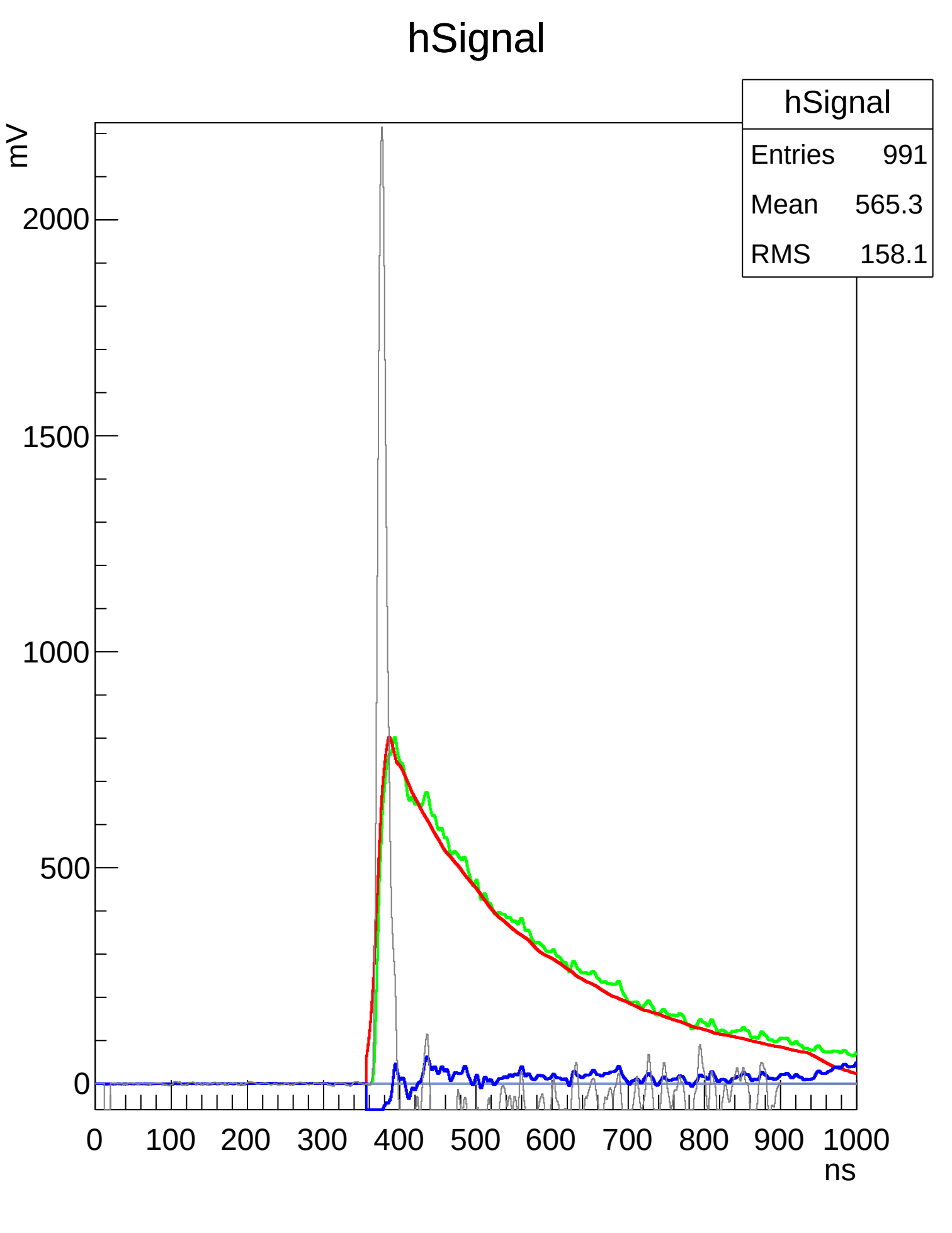
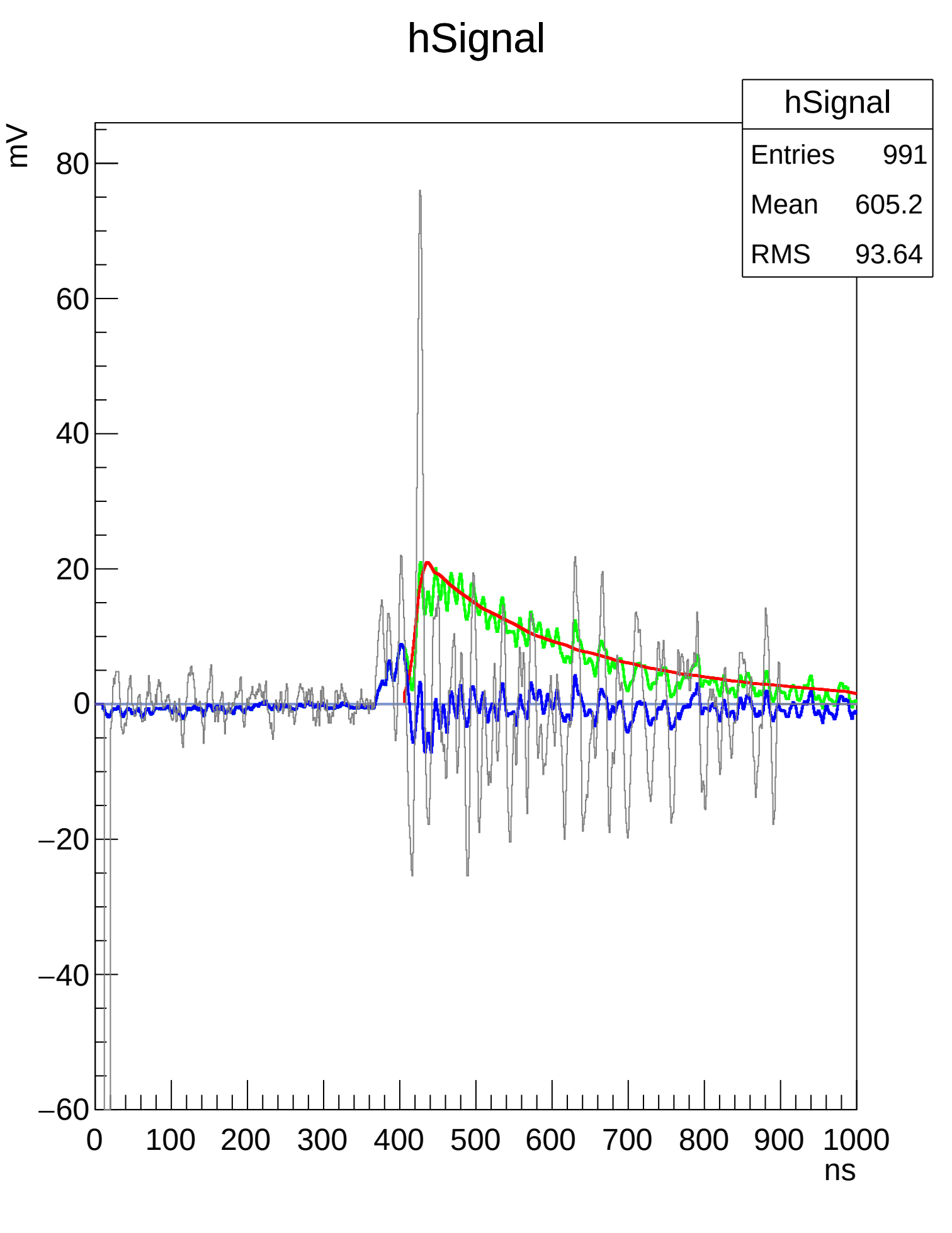
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.3
RMS 158.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.2
RMS 93.64
mV
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100
200
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400
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600
700
800
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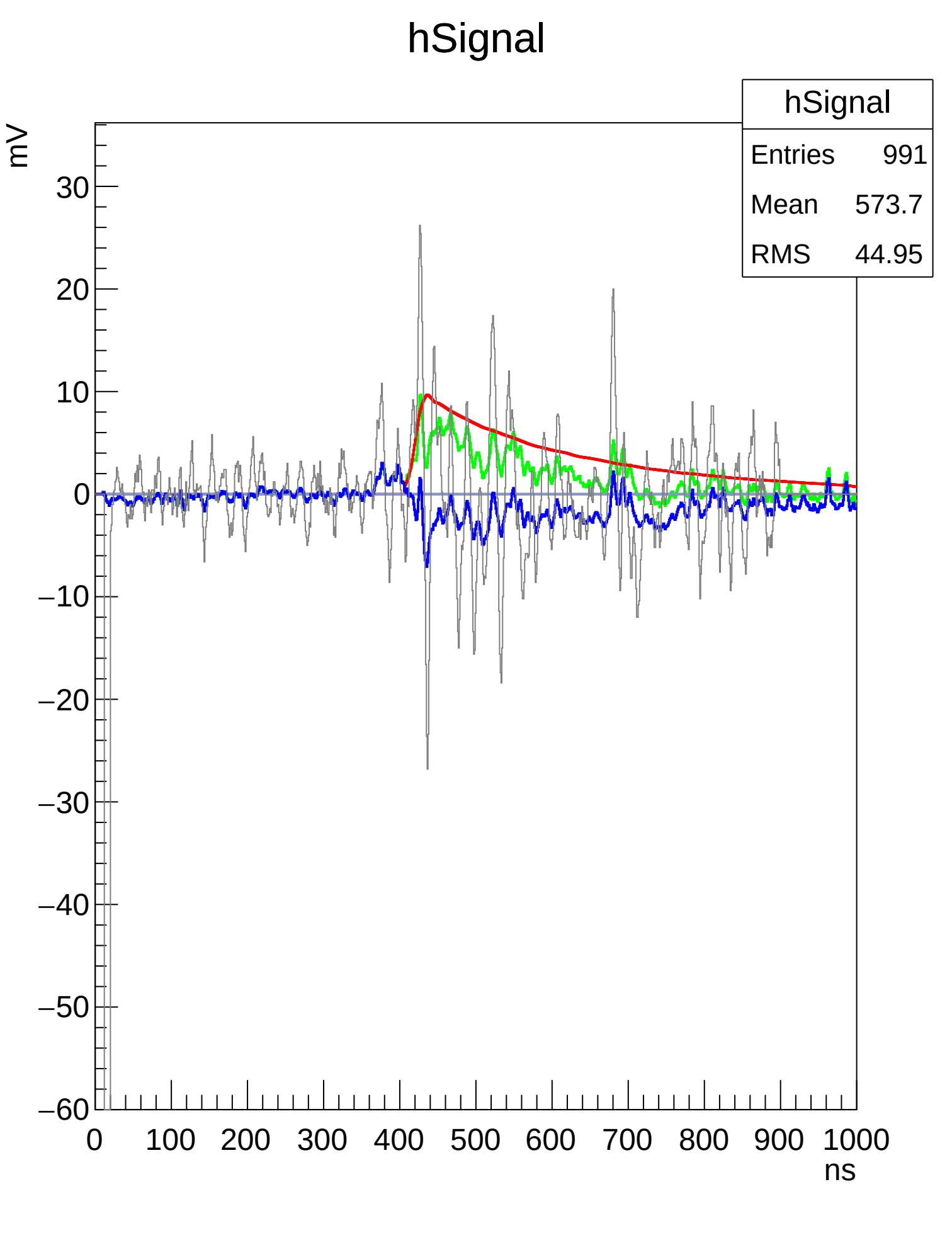
1000
ns


hSignal
hSignal
Entries 991
Mean 573.7
RMS 44.95
mV
30
20
10
0
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−20
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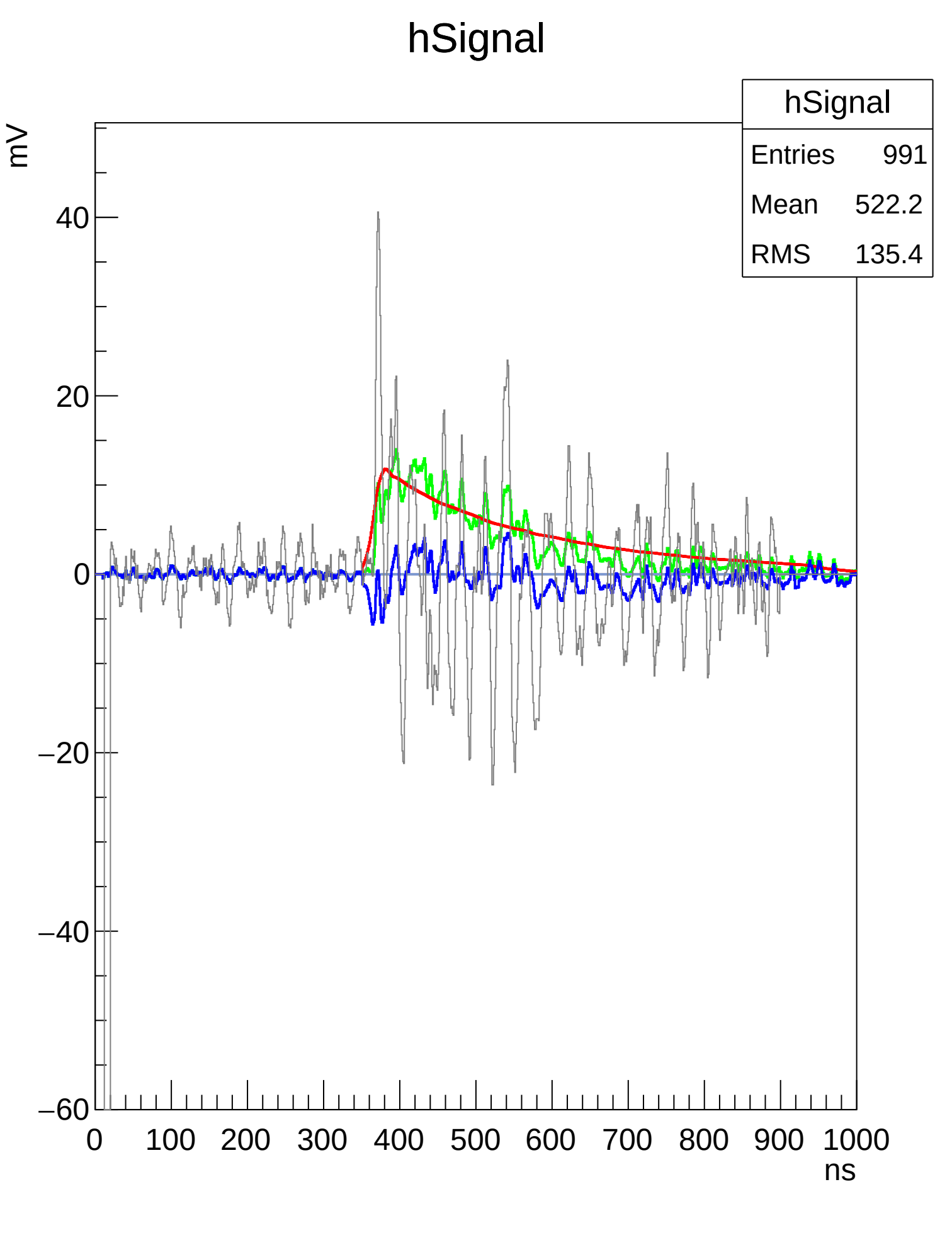
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.2
RMS 135.4
mV
40
20
0
−20
−40
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0
100
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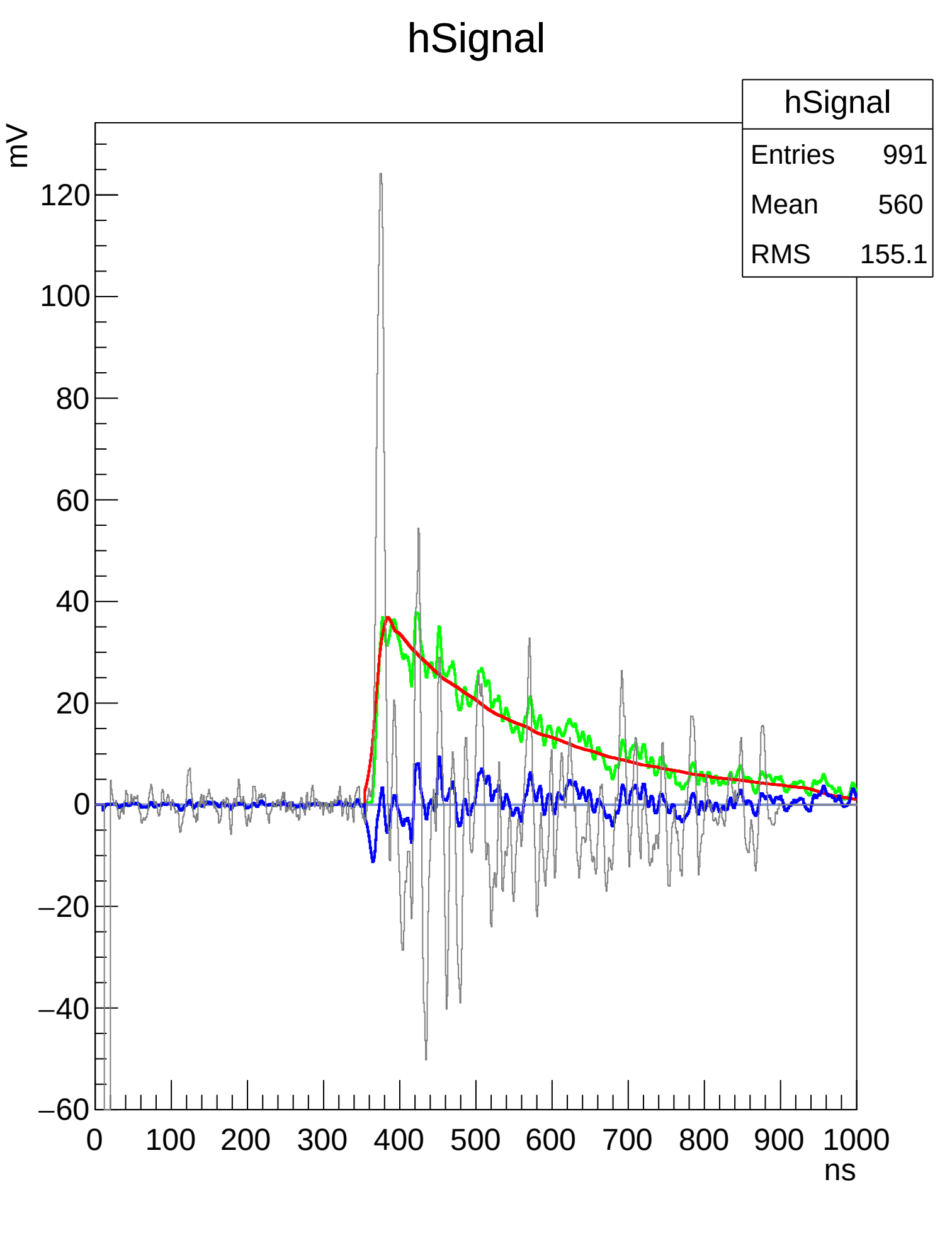
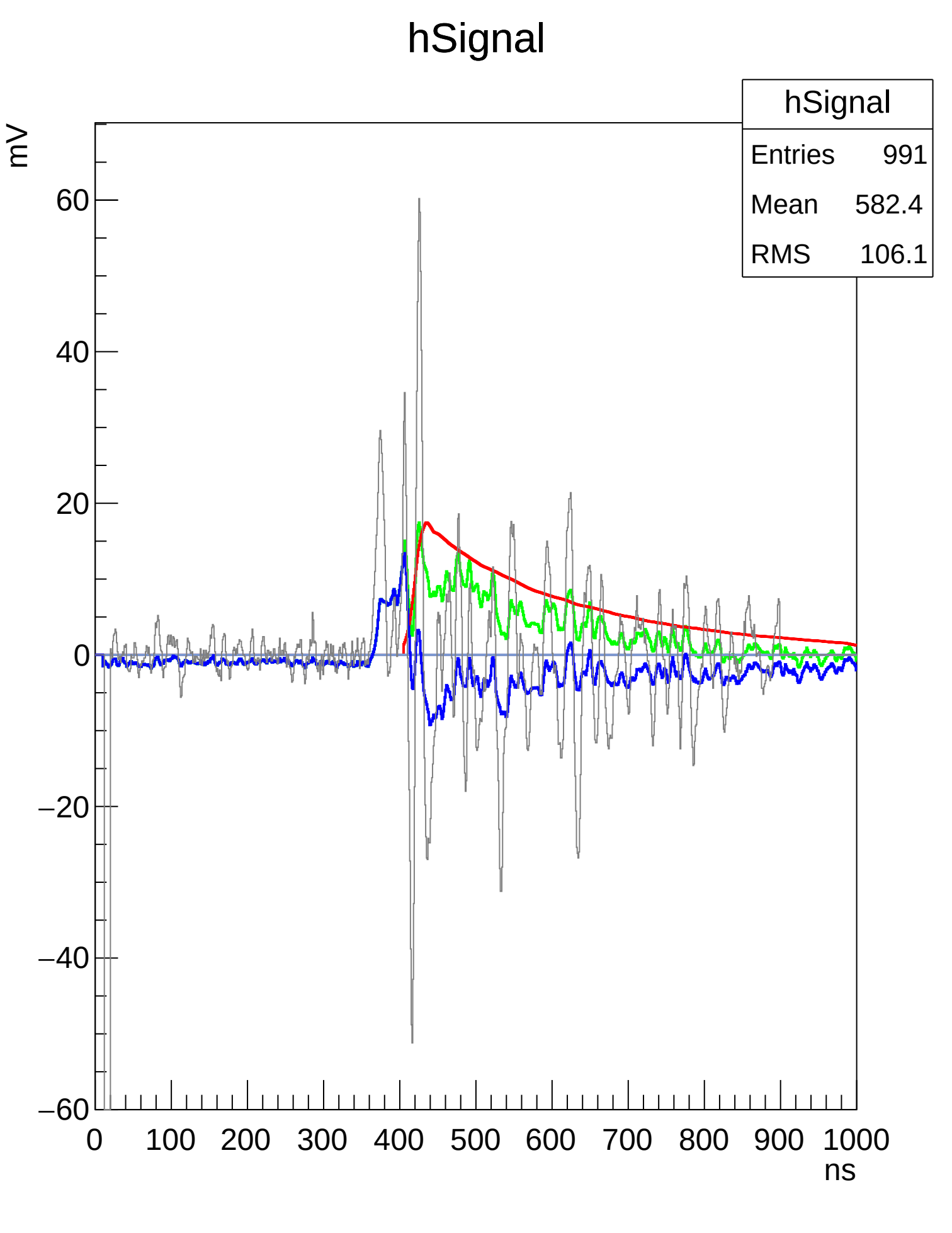
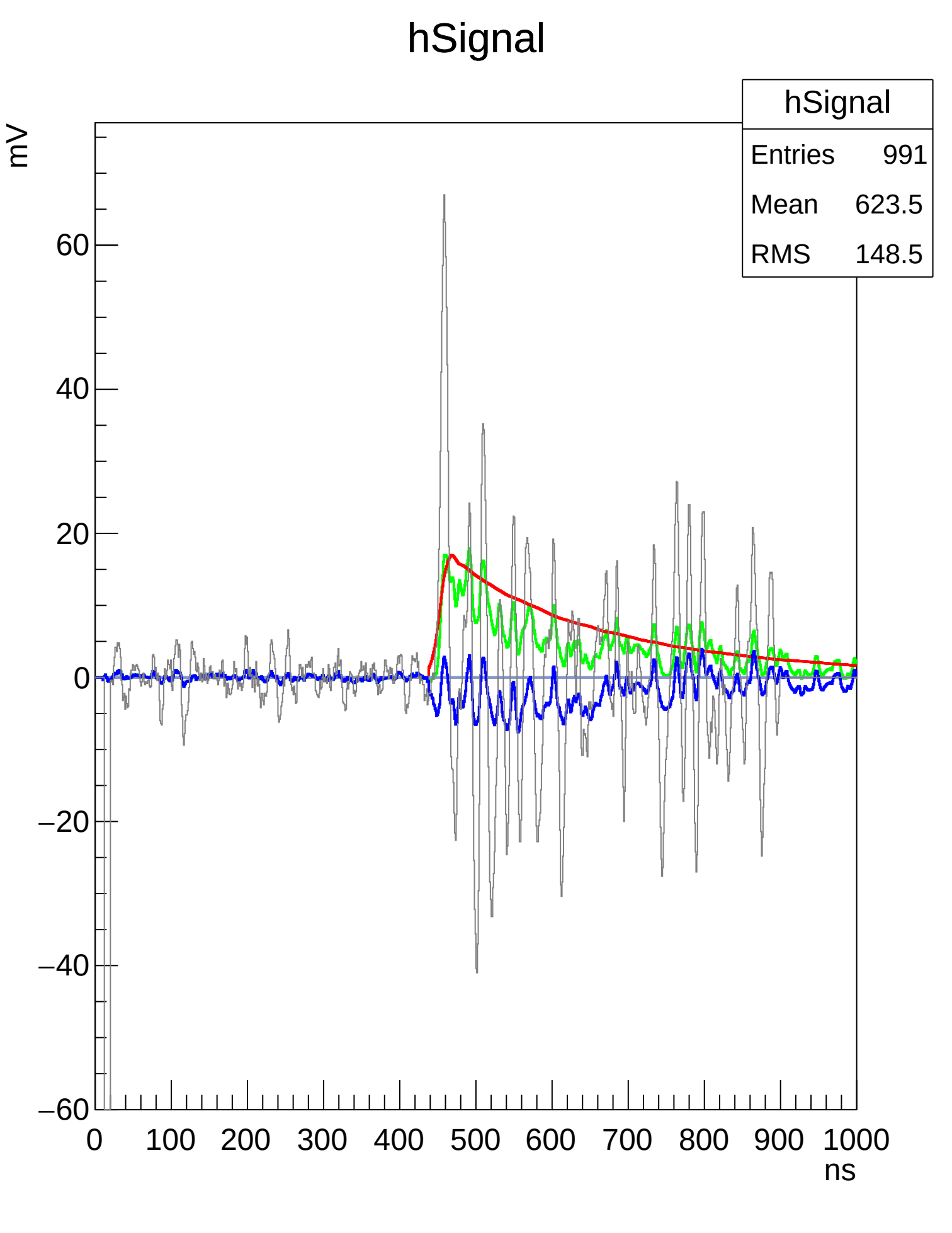
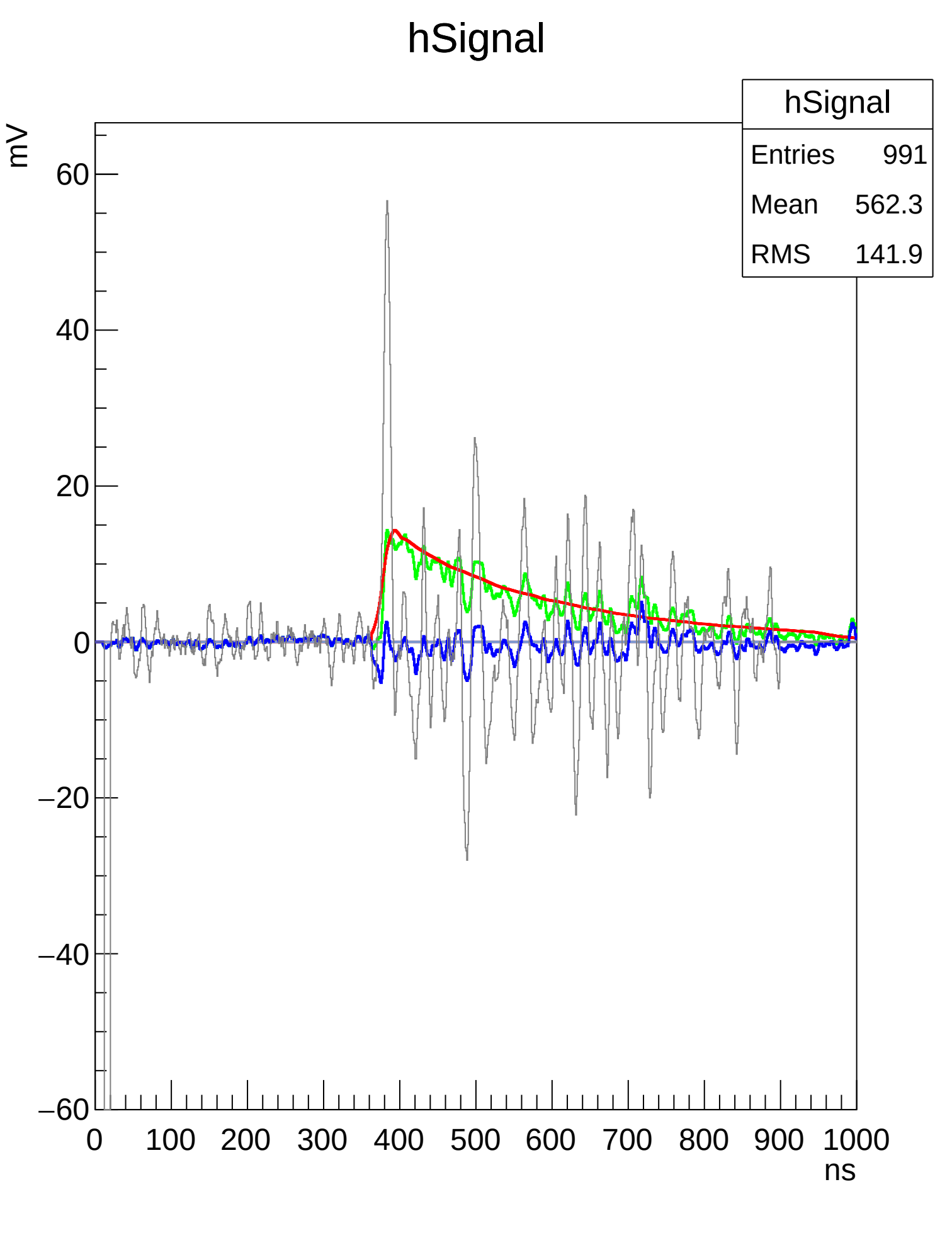
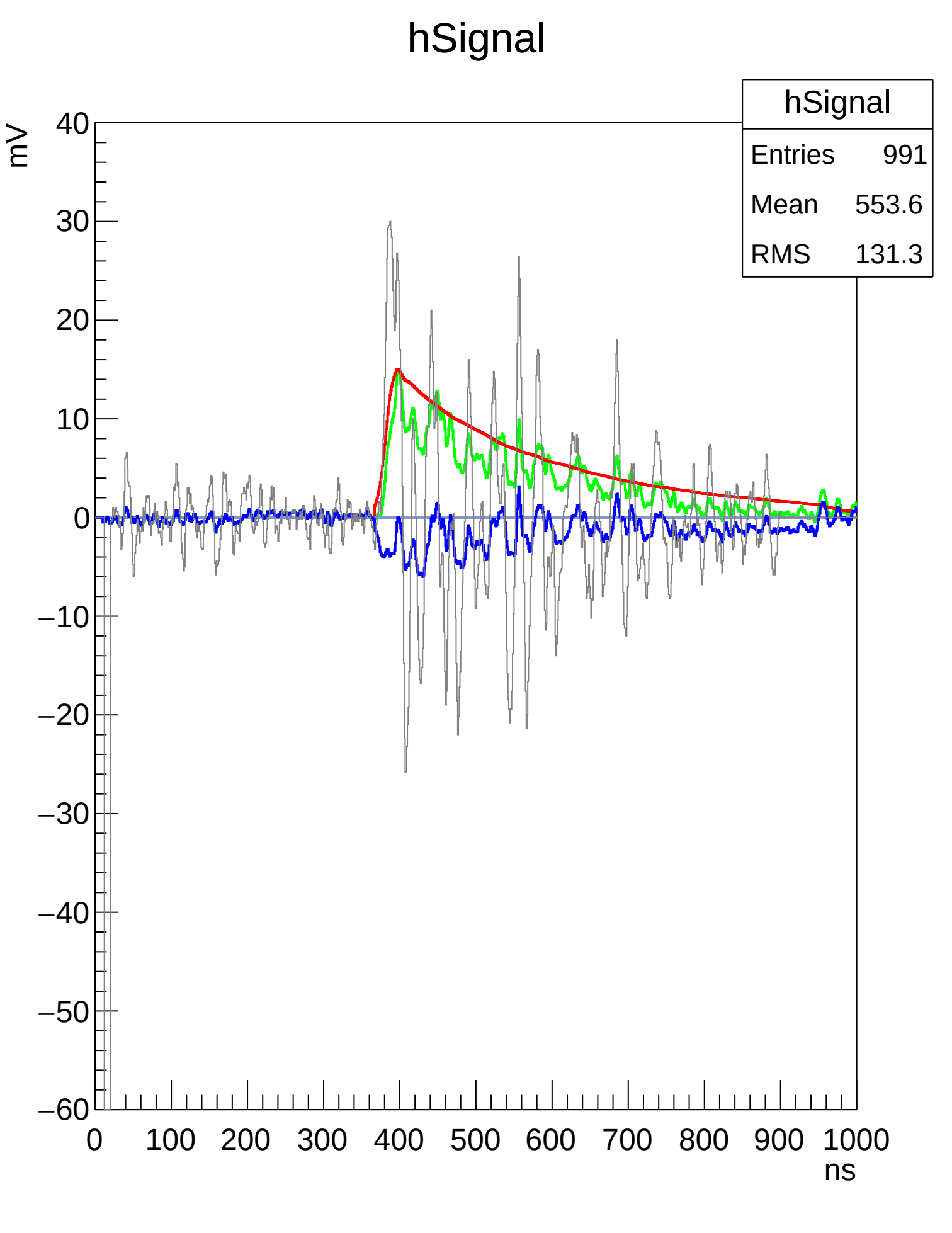
600
700
800
900
1000
ns

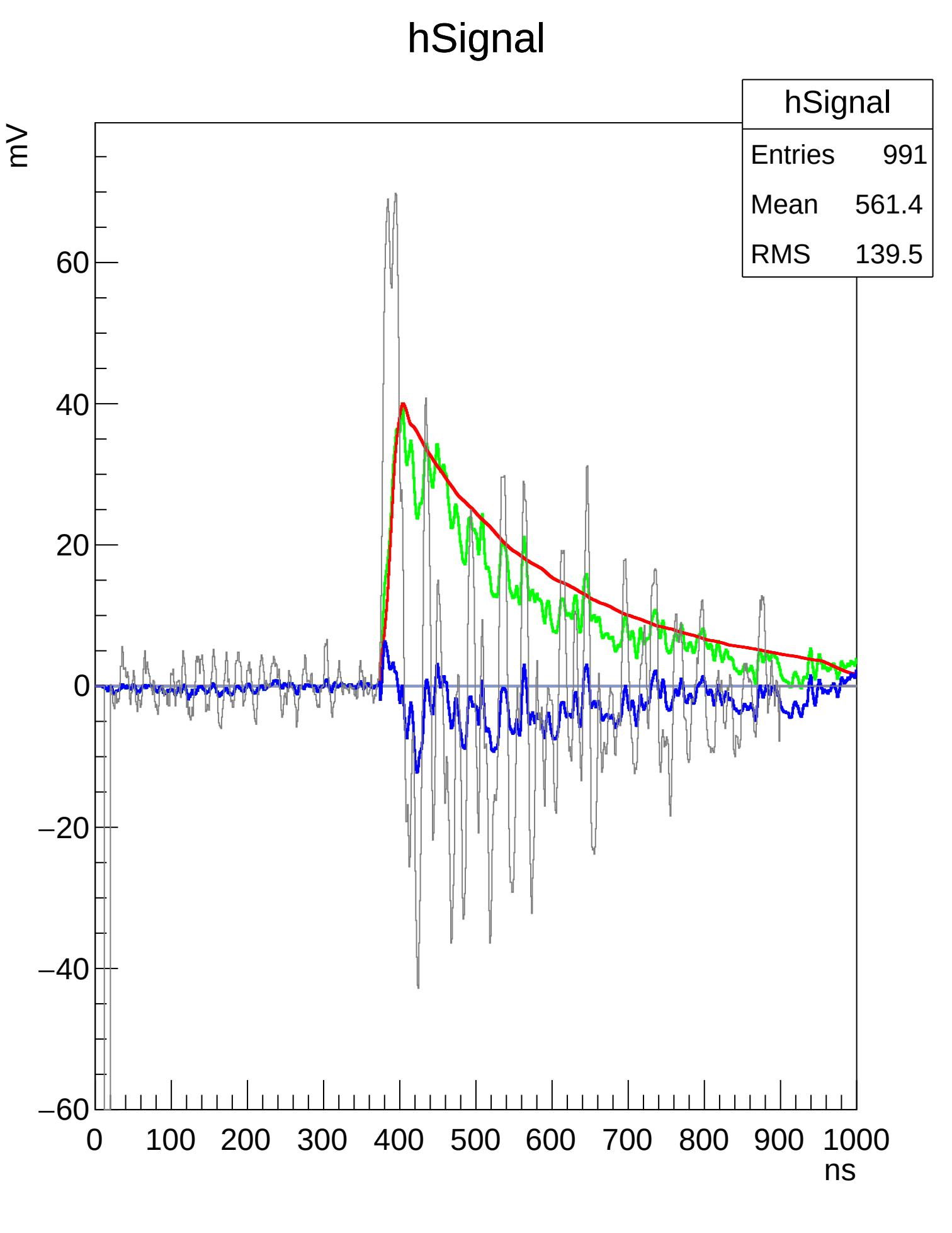

hSignal
hSignal
Entries 991
Mean 560
RMS 155.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.4
RMS 106.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.5
RMS 148.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.3
RMS 141.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.6
RMS 131.3
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.4
RMS 139.5
mV
60
40
20
0
−20
−40
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0
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600
700
800
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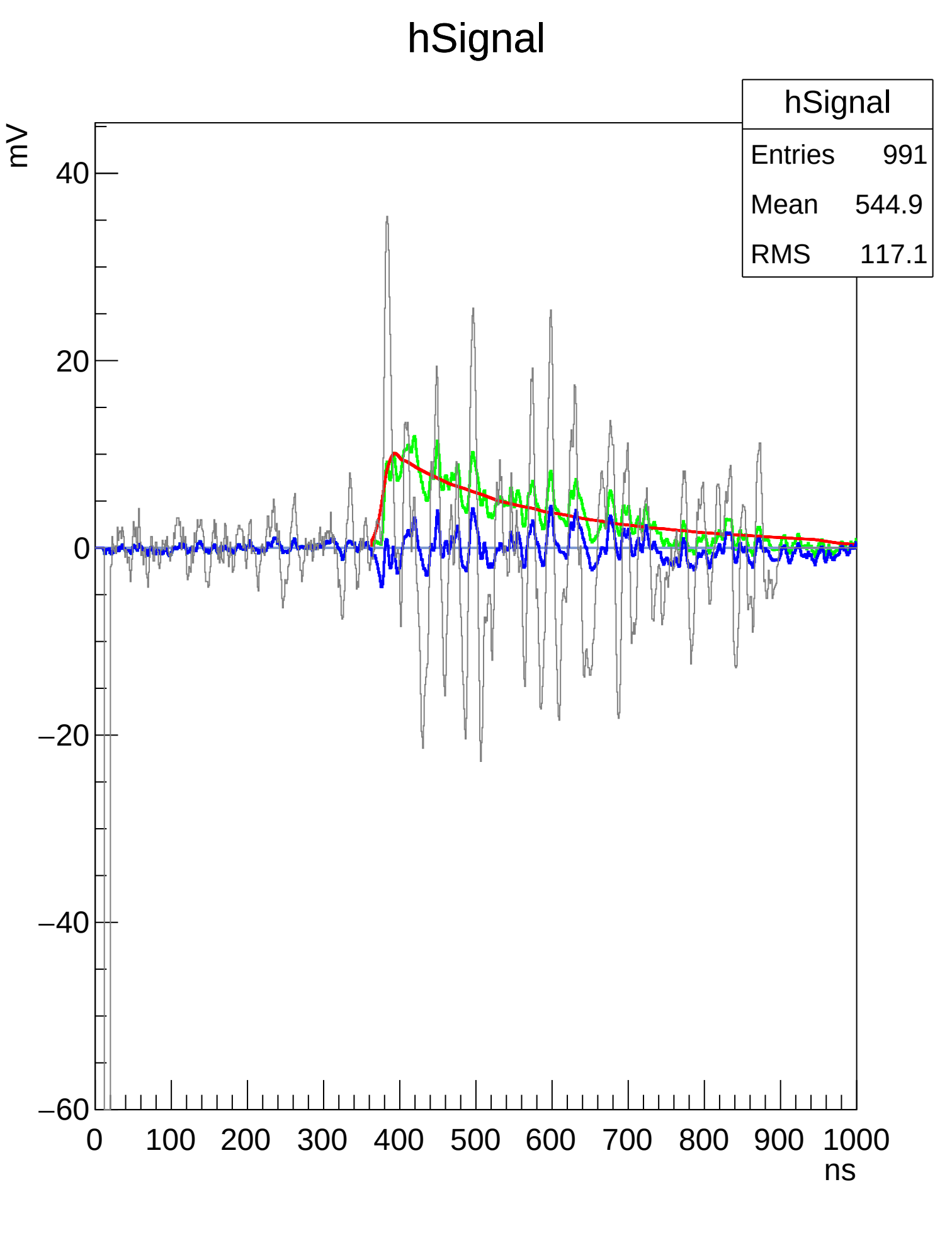
ns


hSignal
hSignal
Entries 991
Mean 544.9
RMS 117.1
mV
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−20
−40
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0
100
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700
800
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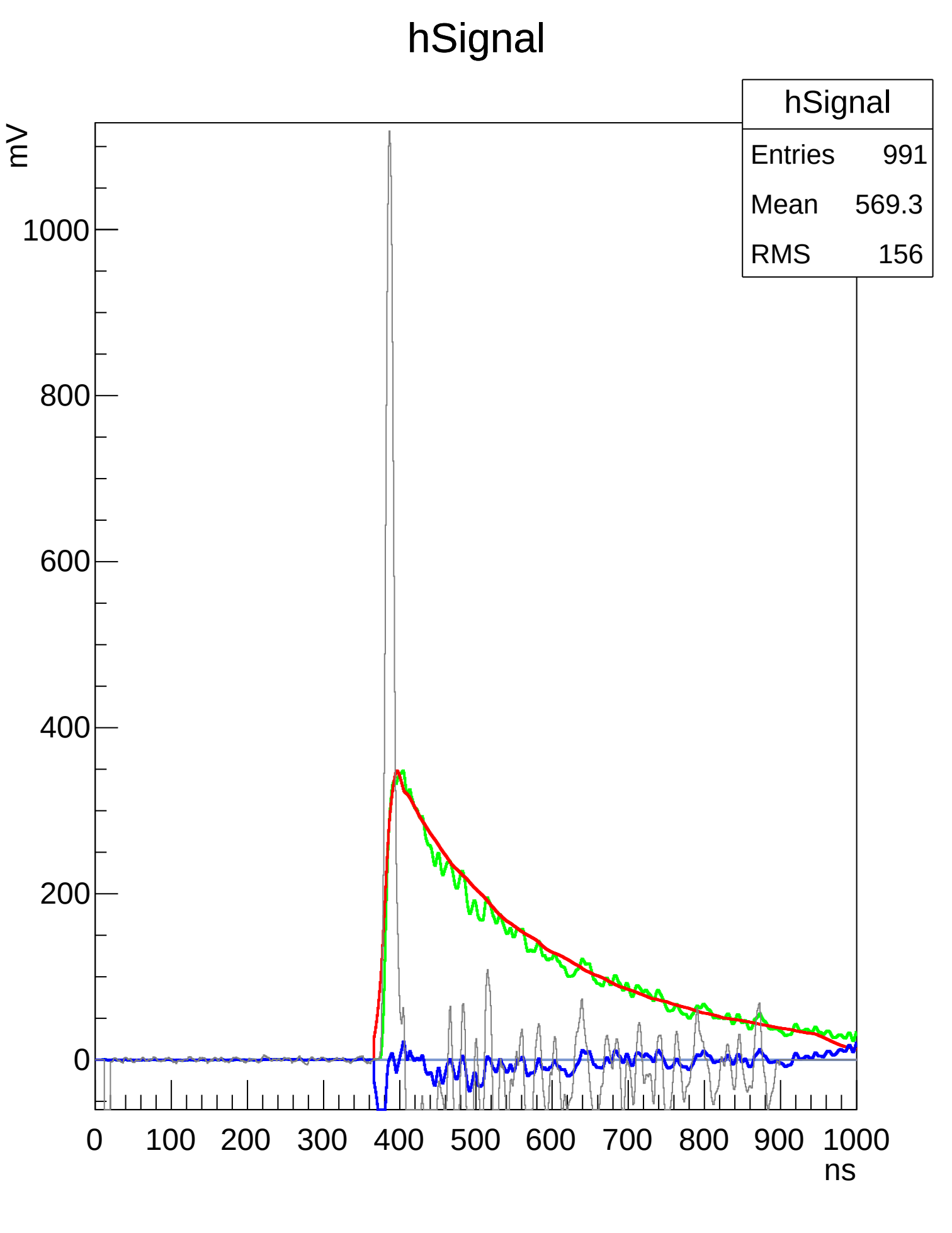
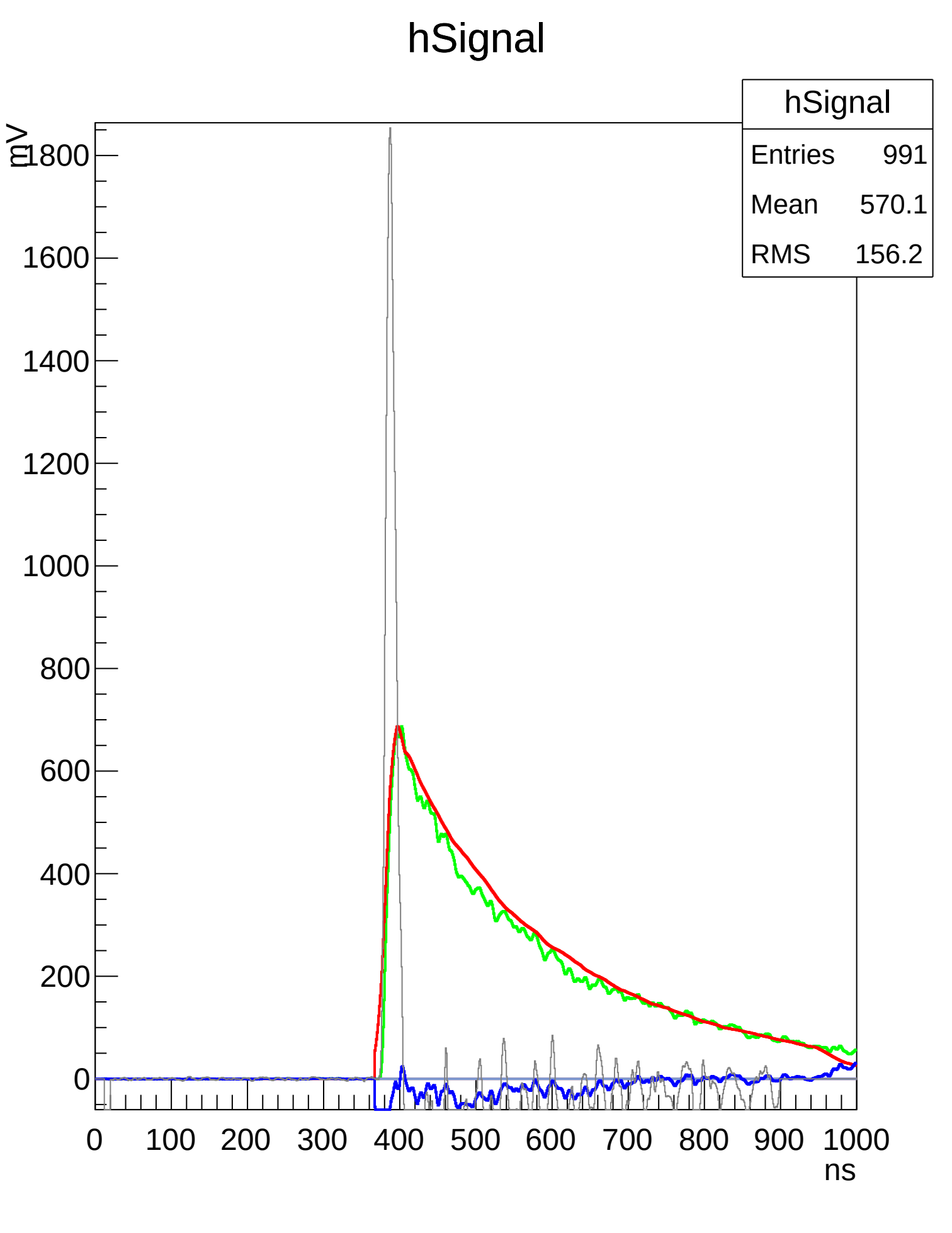
1000
ns


hSignal
hSignal
Entries 991
Mean 569.3
RMS 156
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 570.1
RMS 156.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
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600
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800
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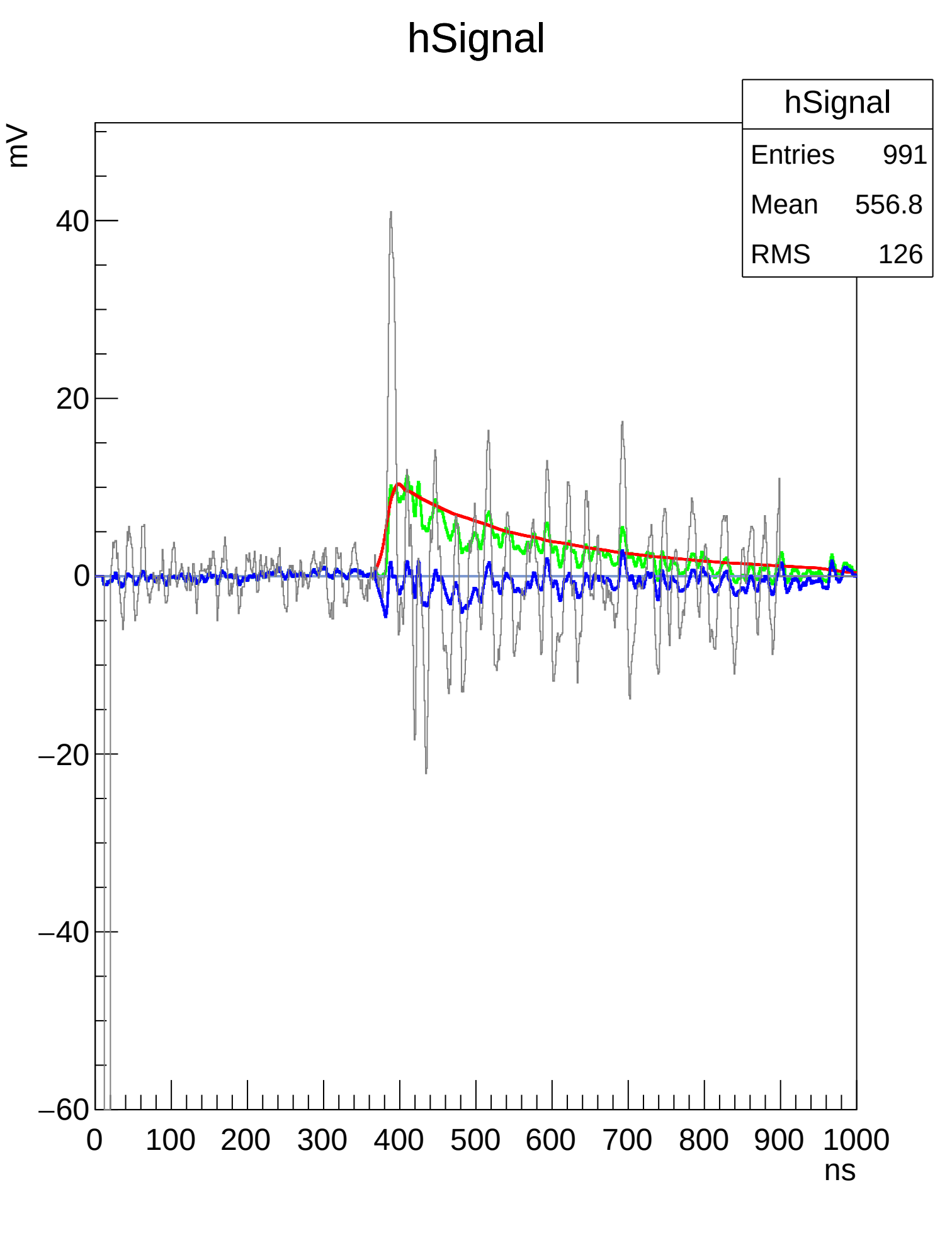
hSignal
hSignal
Entries 991
Mean 556.8
RMS 126
mV
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−20
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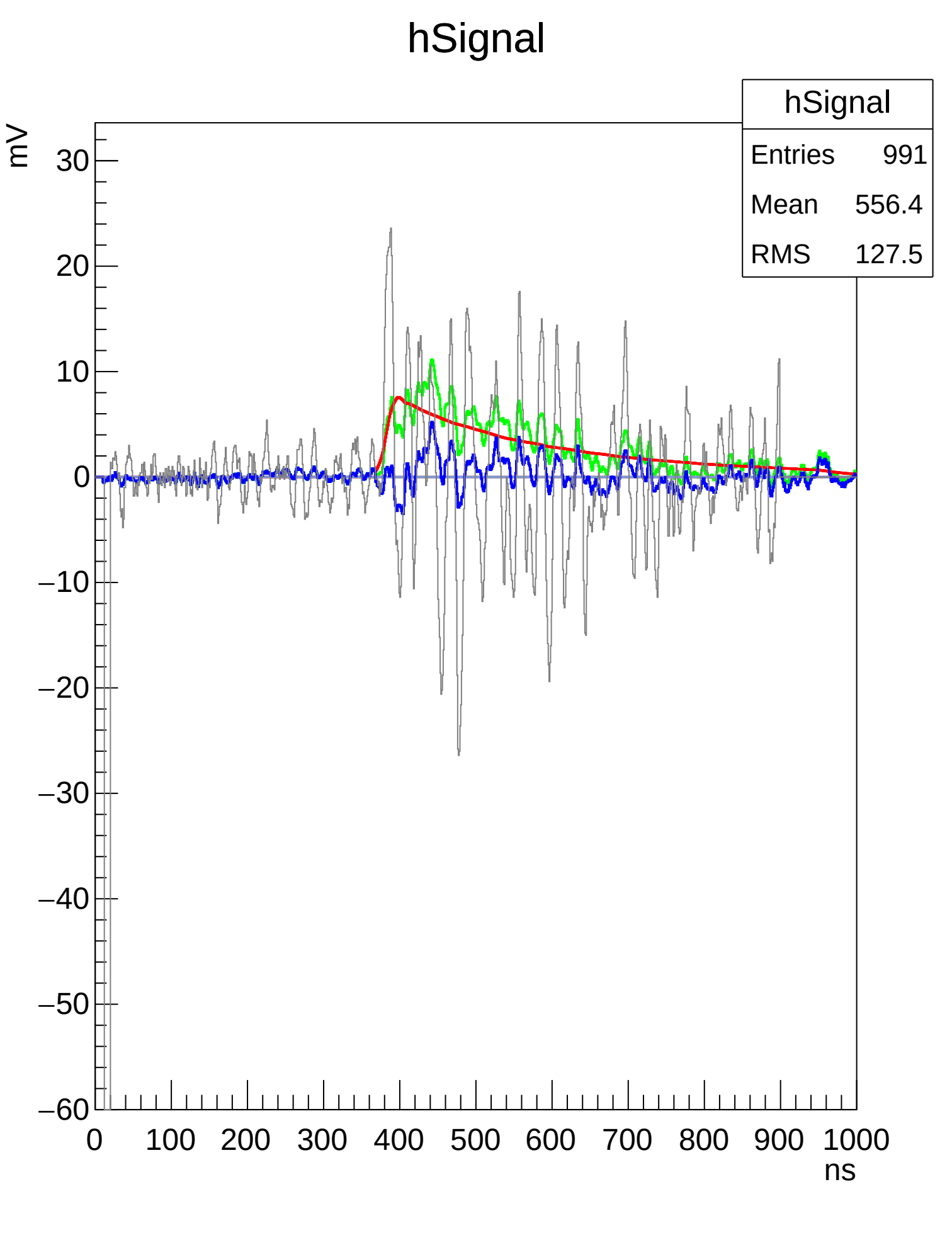
hSignal
hSignal
Entries 991
Mean 556.4
RMS 127.5
mV
30
20
10
0
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0
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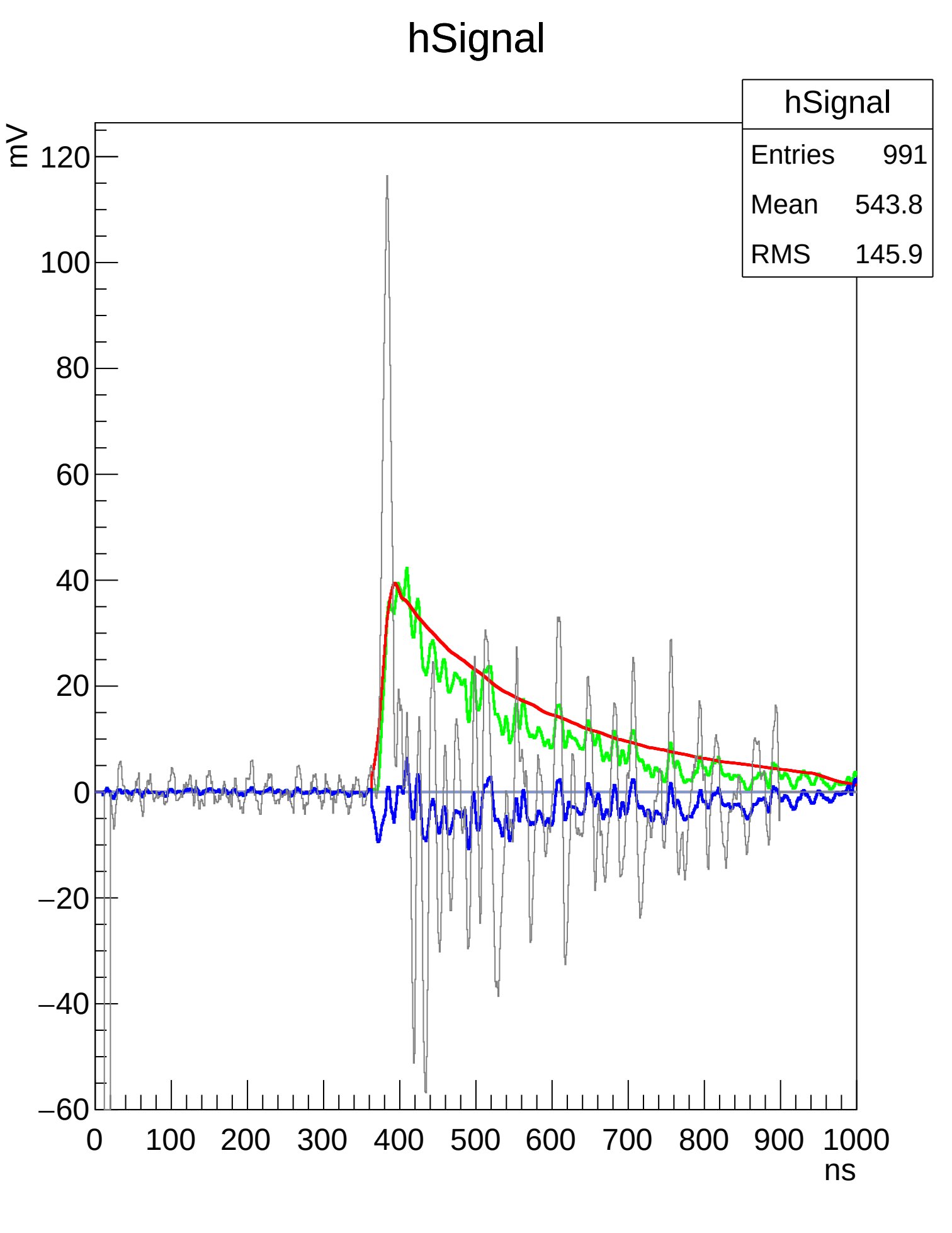
hSignal
hSignal
Entries 991
Mean 543.8
RMS 145.9
mV
120
100
80
60
40
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−40
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0
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400
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1000
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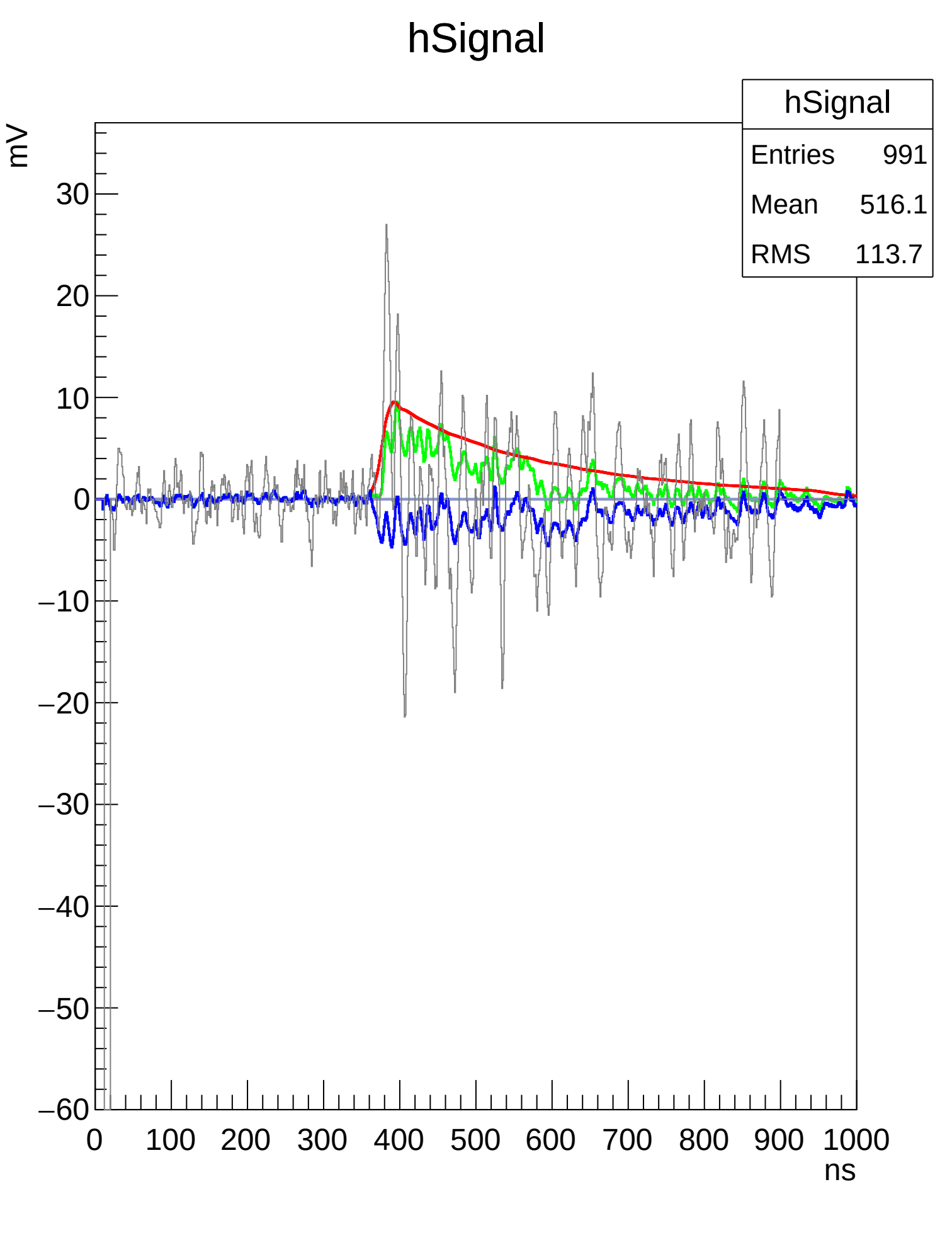
hSignal
hSignal
Entries 991
Mean 516.1
RMS 113.7
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
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800
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1000
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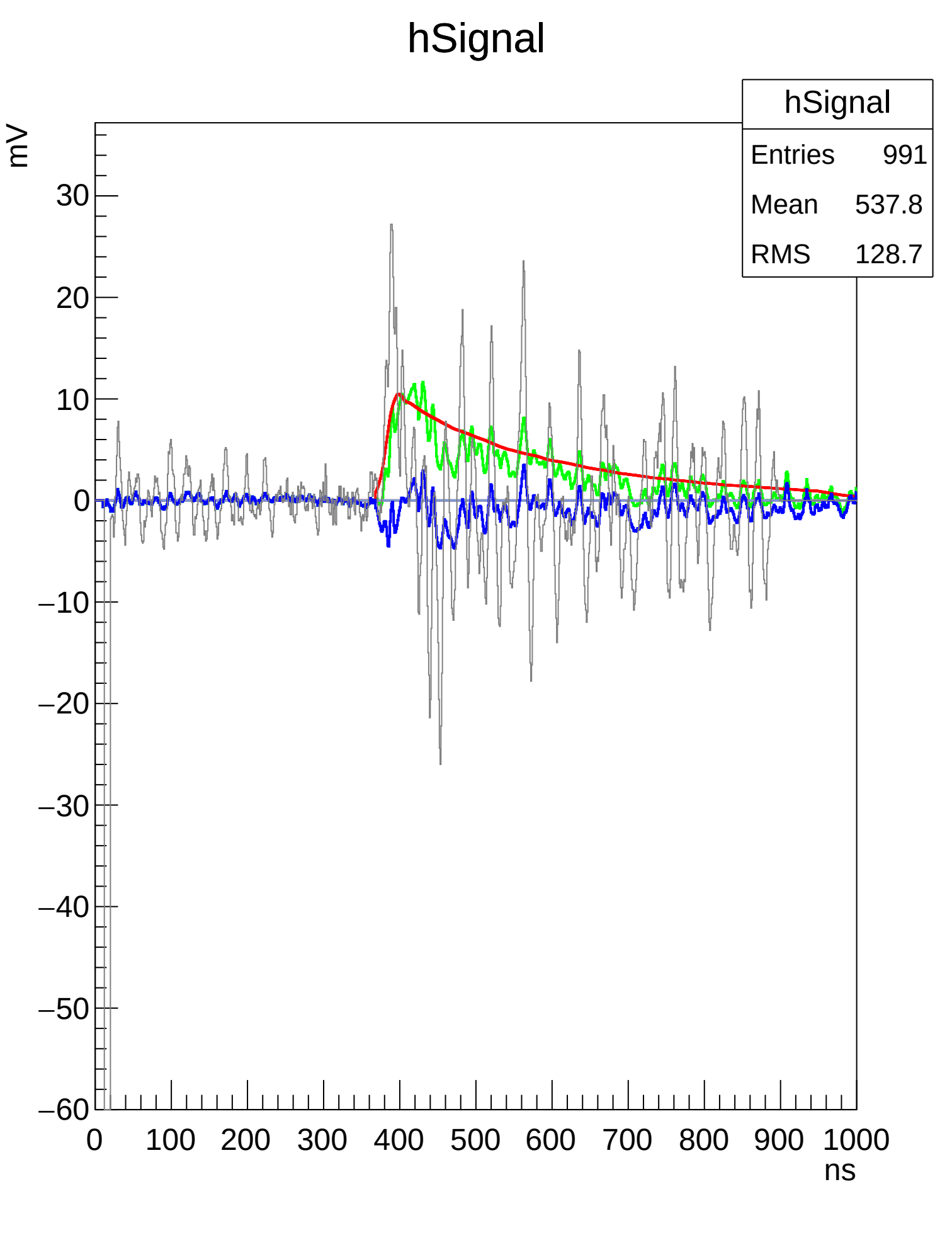
hSignal
hSignal
Entries 991
Mean 537.8
RMS 128.7
mV
30
20
10
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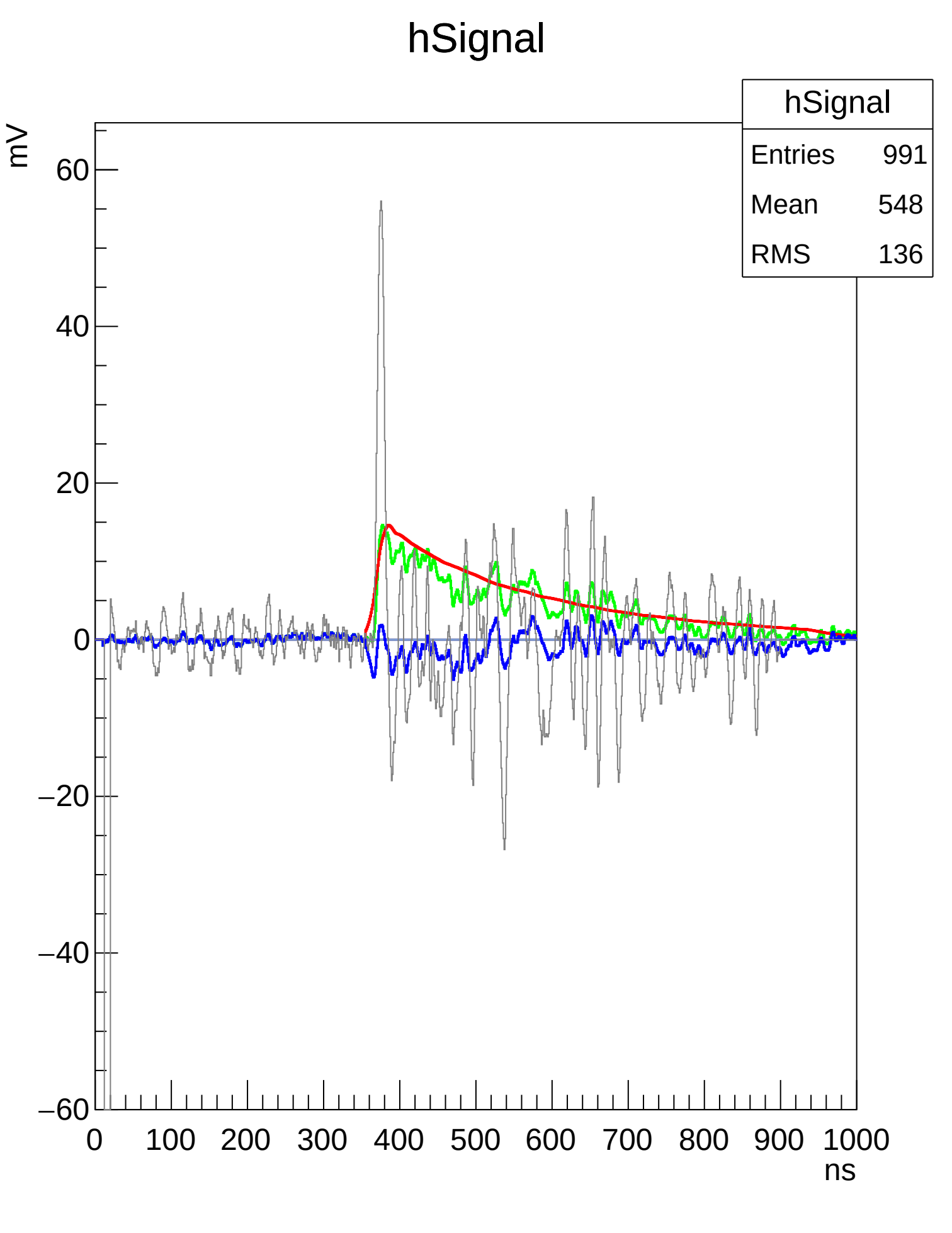
ns


hSignal
hSignal
Entries 991
Mean 548
RMS 136
mV
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−20
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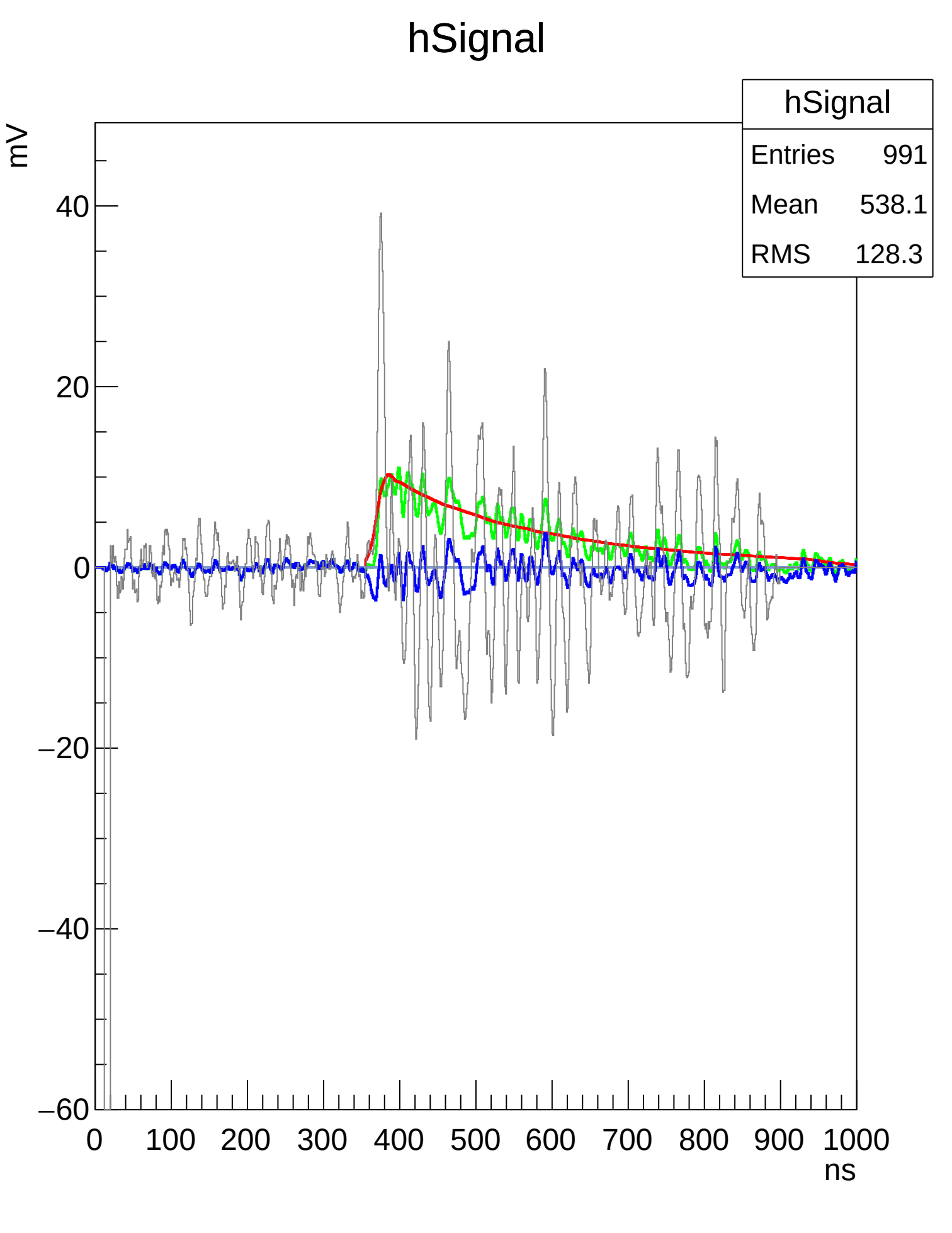
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 128.3
mV
40
20
0
−20
−40
−60
0
100
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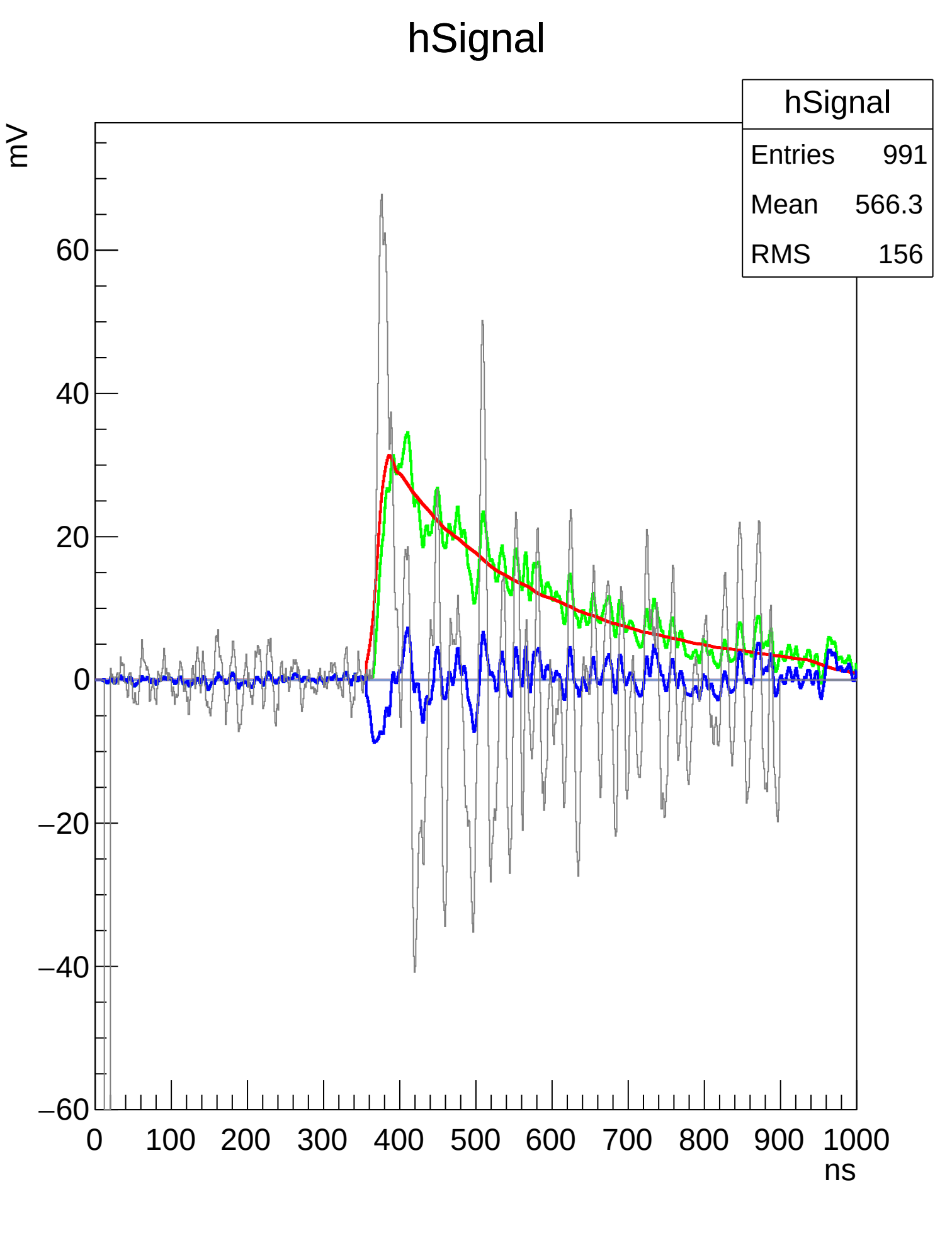
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.3
RMS 156
mV
60
40
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−40
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0
100
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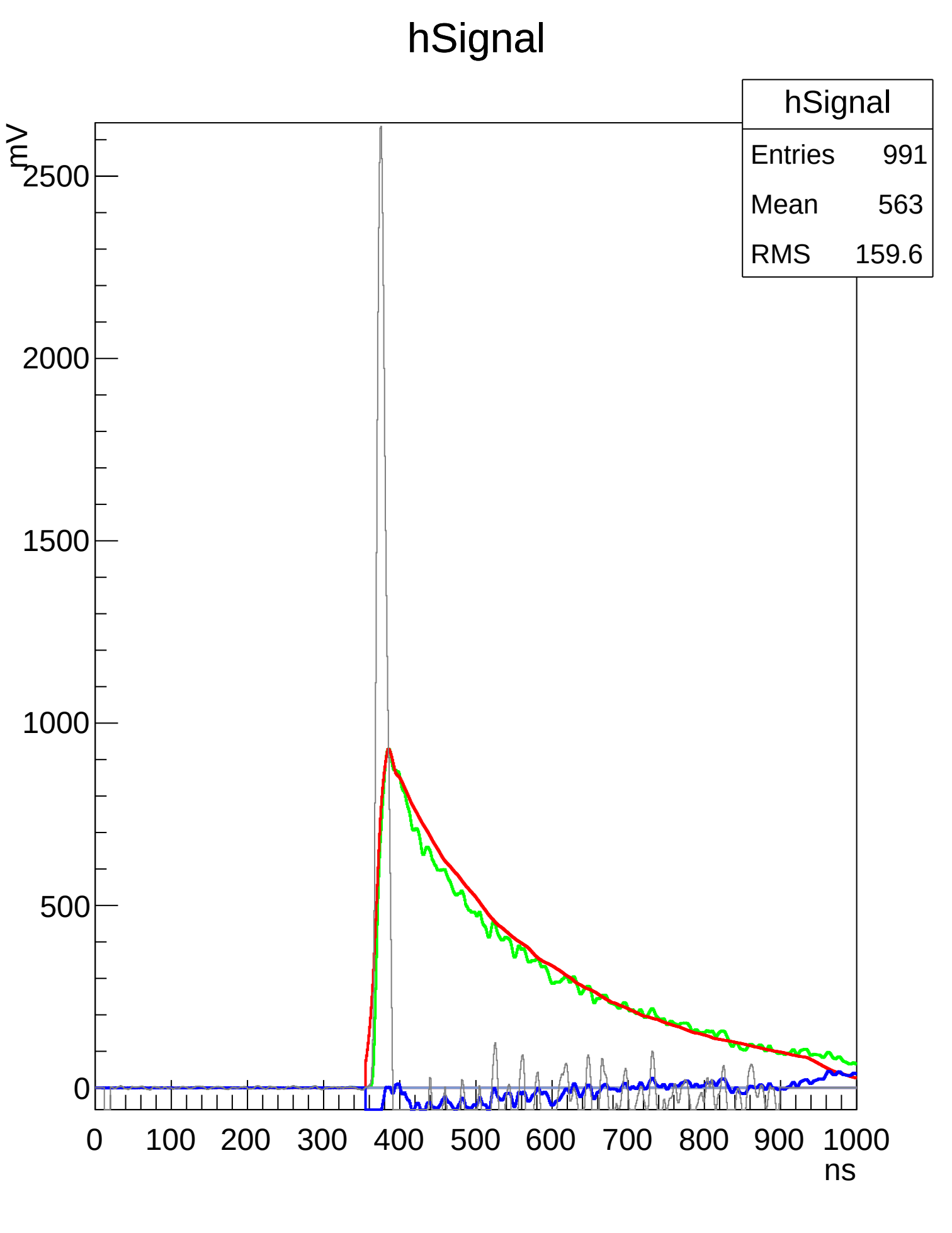
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563
RMS 159.6
mV
2500
2000
1500
1000
500
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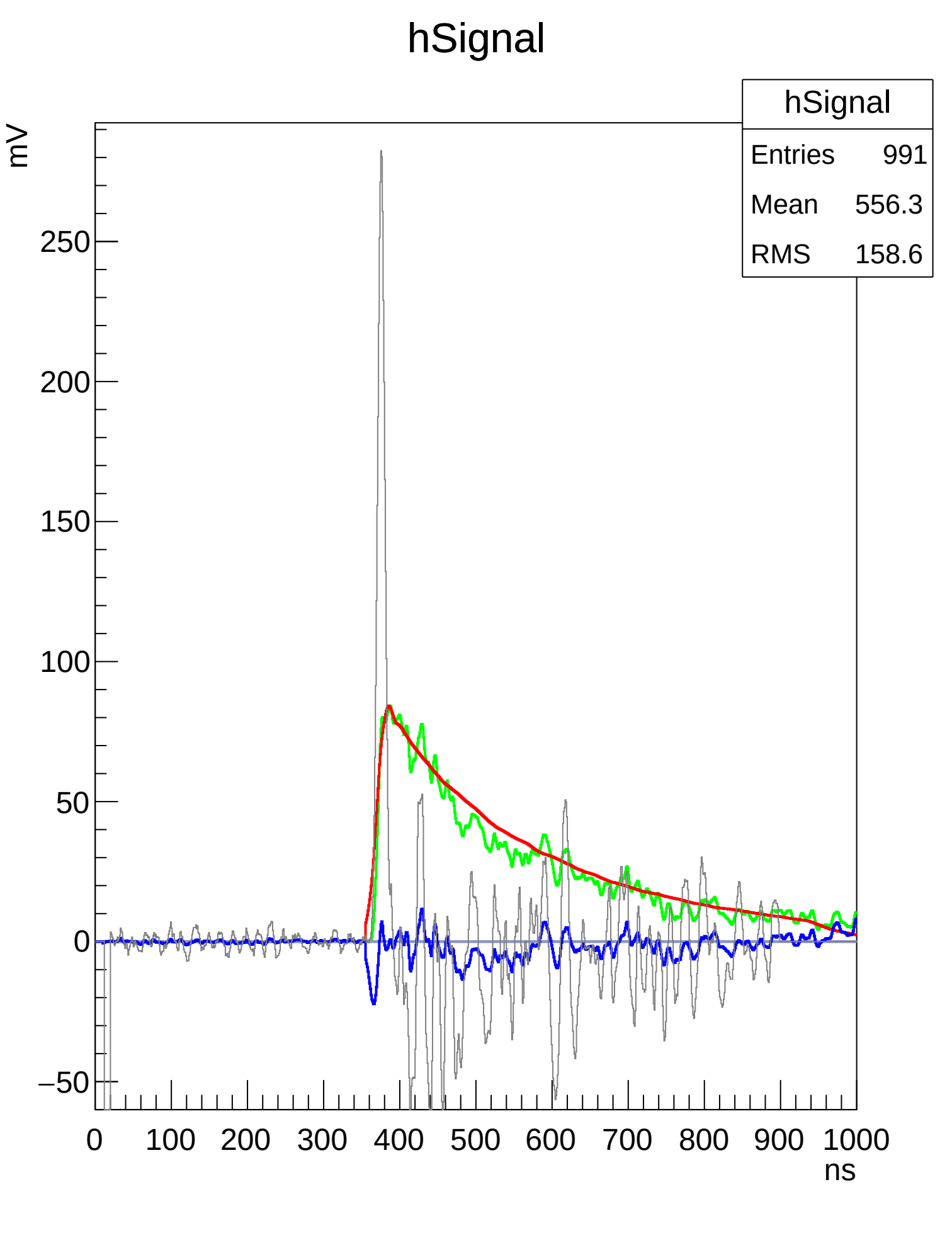
ns


hSignal
hSignal
Entries 991
Mean 556.3
RMS 158.6
mV
250
200
150
100
50
0
−50
0
100
200
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400
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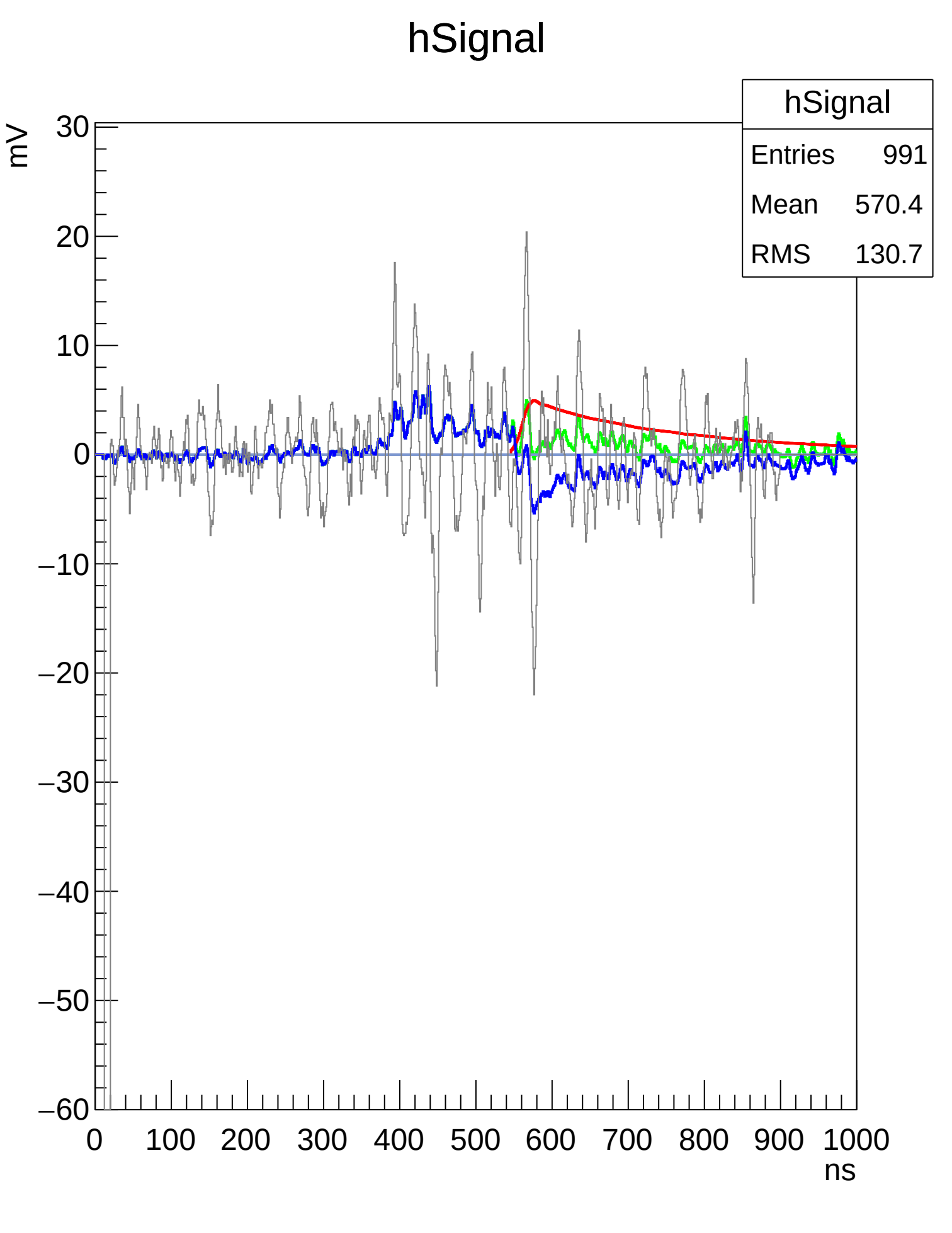
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.4
RMS 130.7
mV
30
20
10
0
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0
100
200
300
400
500
600
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800
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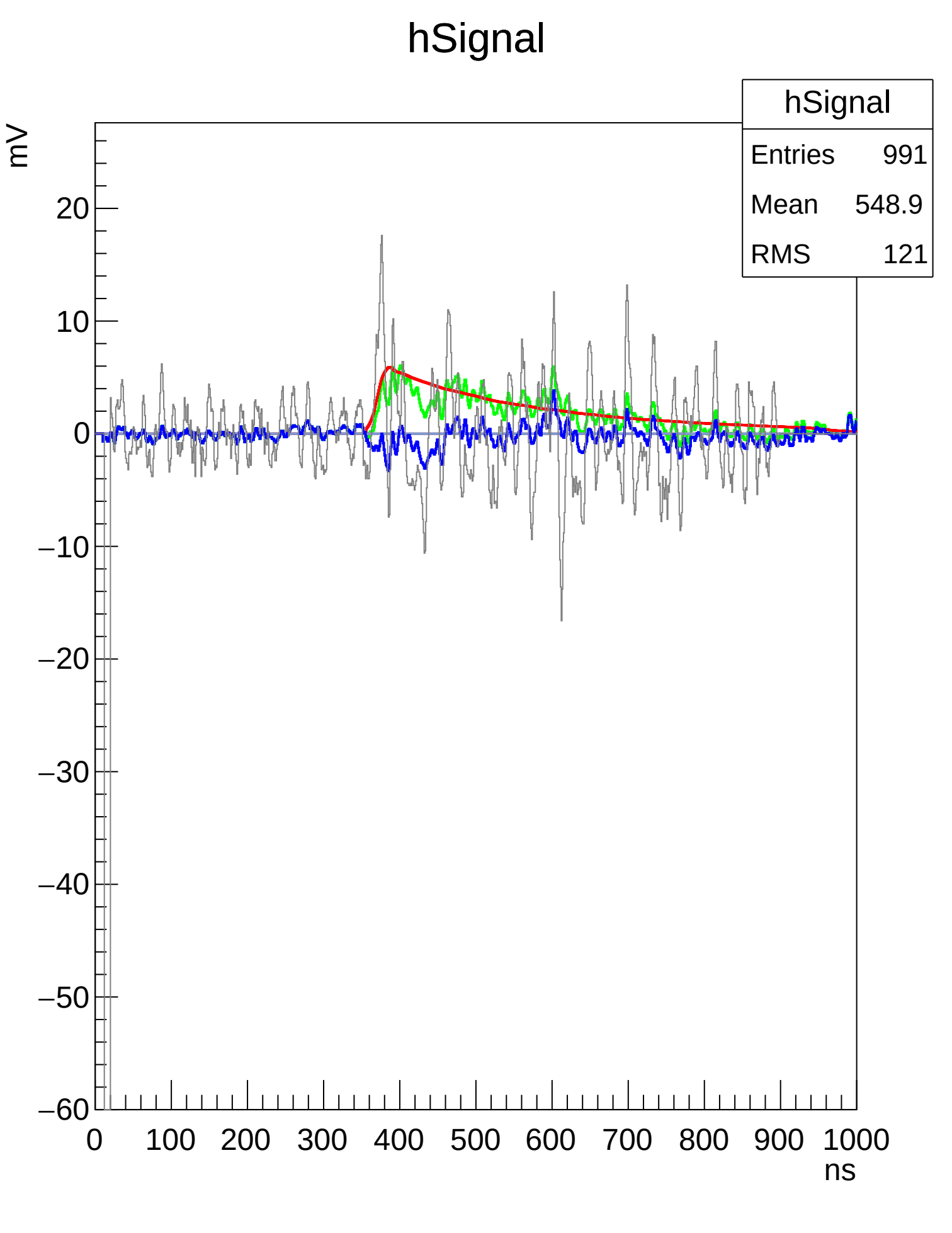
1000
ns


hSignal
hSignal
Entries 991
Mean 548.9
RMS 121
mV
20
10
0
−10
−20
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−40
−50
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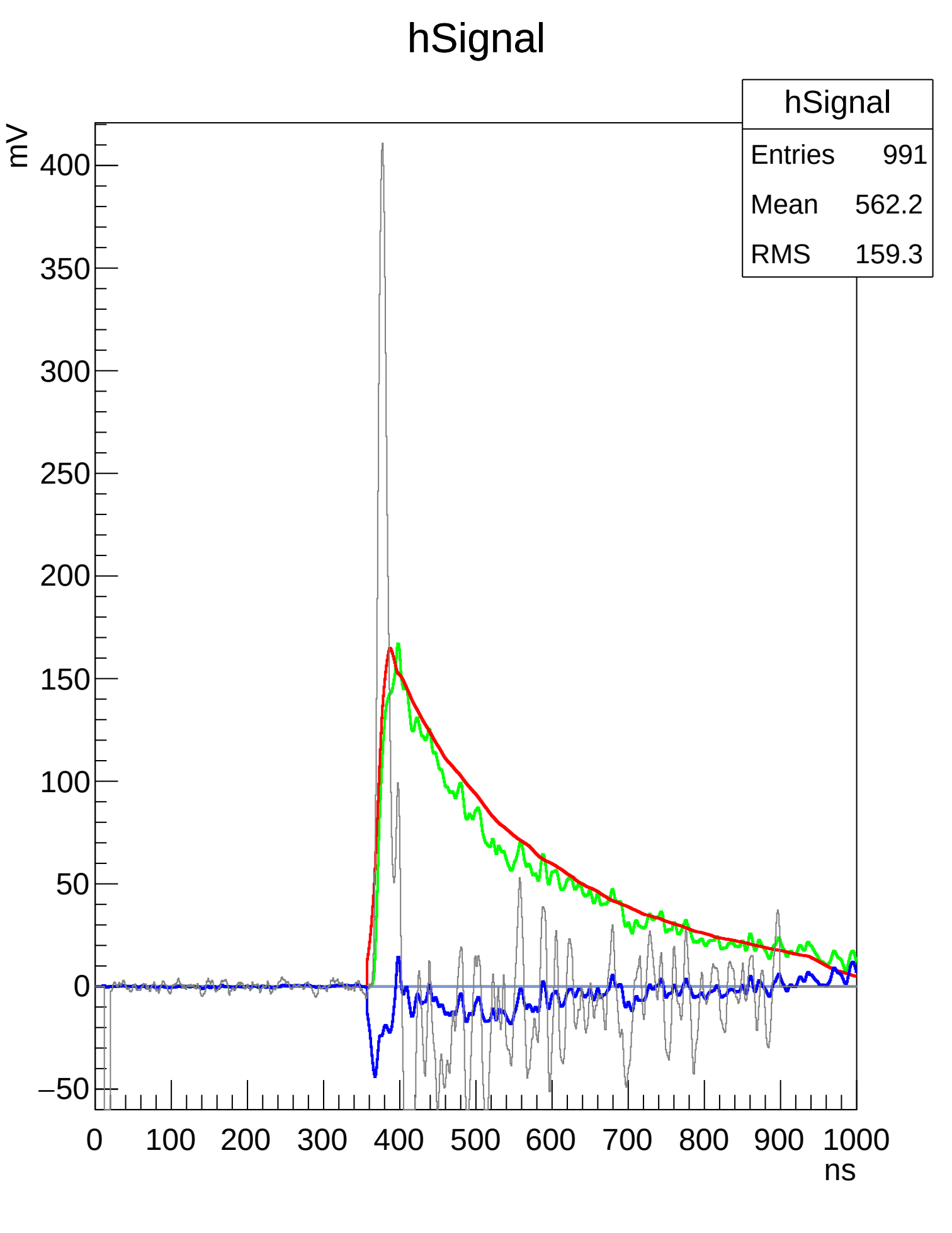
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.2
RMS 159.3
mV
400
350
300
250
200
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100
50
0
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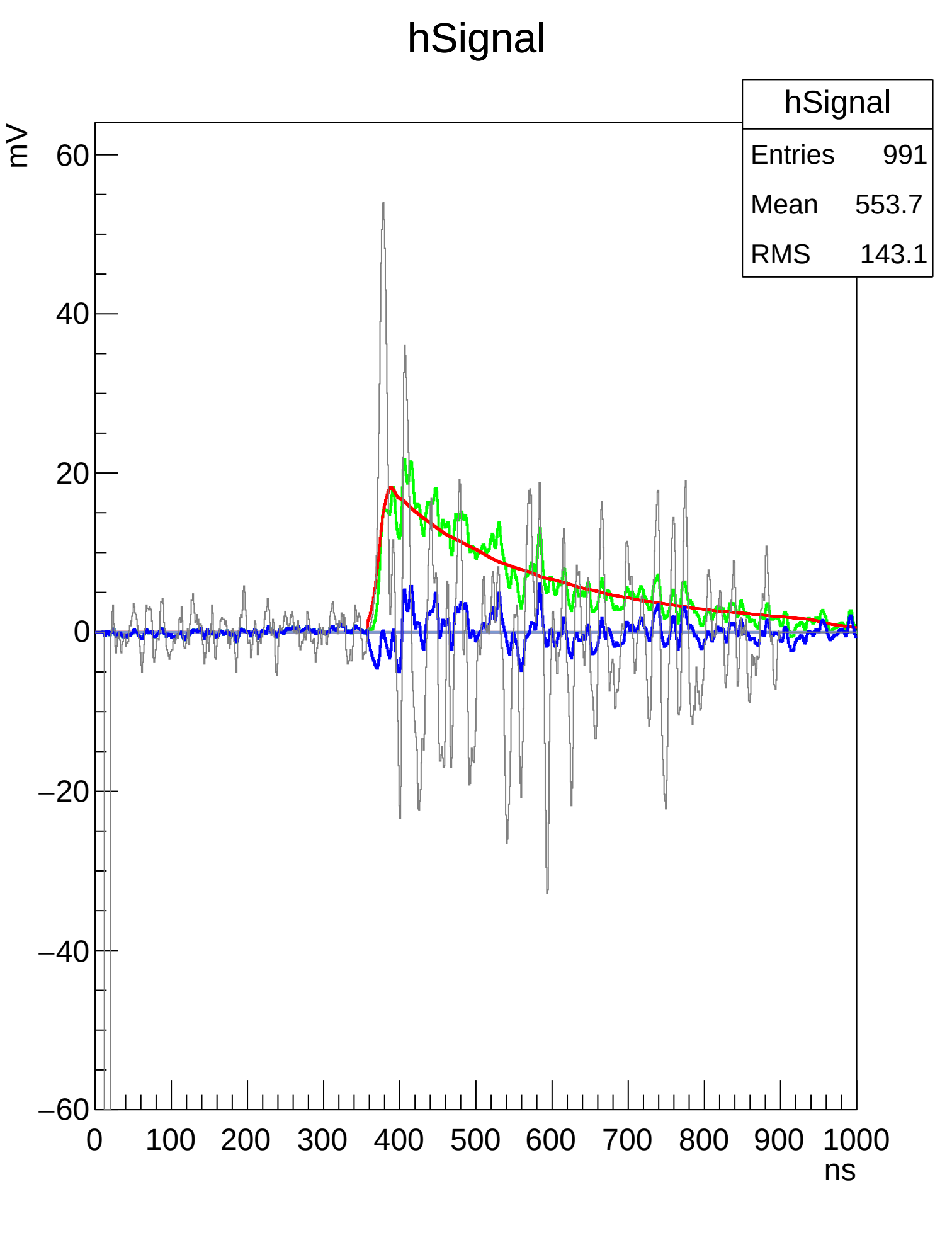
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.7
RMS 143.1
mV
60
40
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0
−20
−40
−60
0
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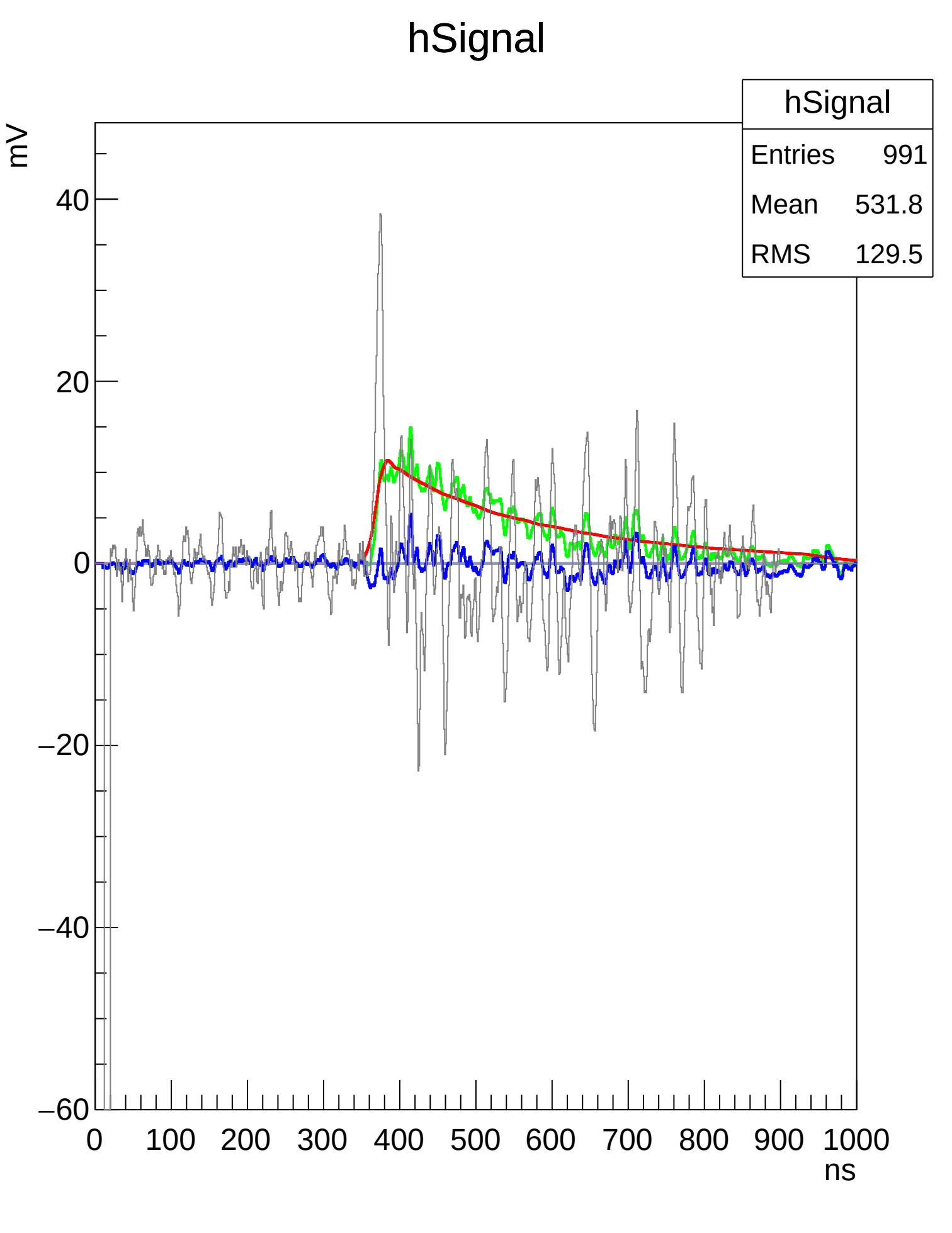
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.8
RMS 129.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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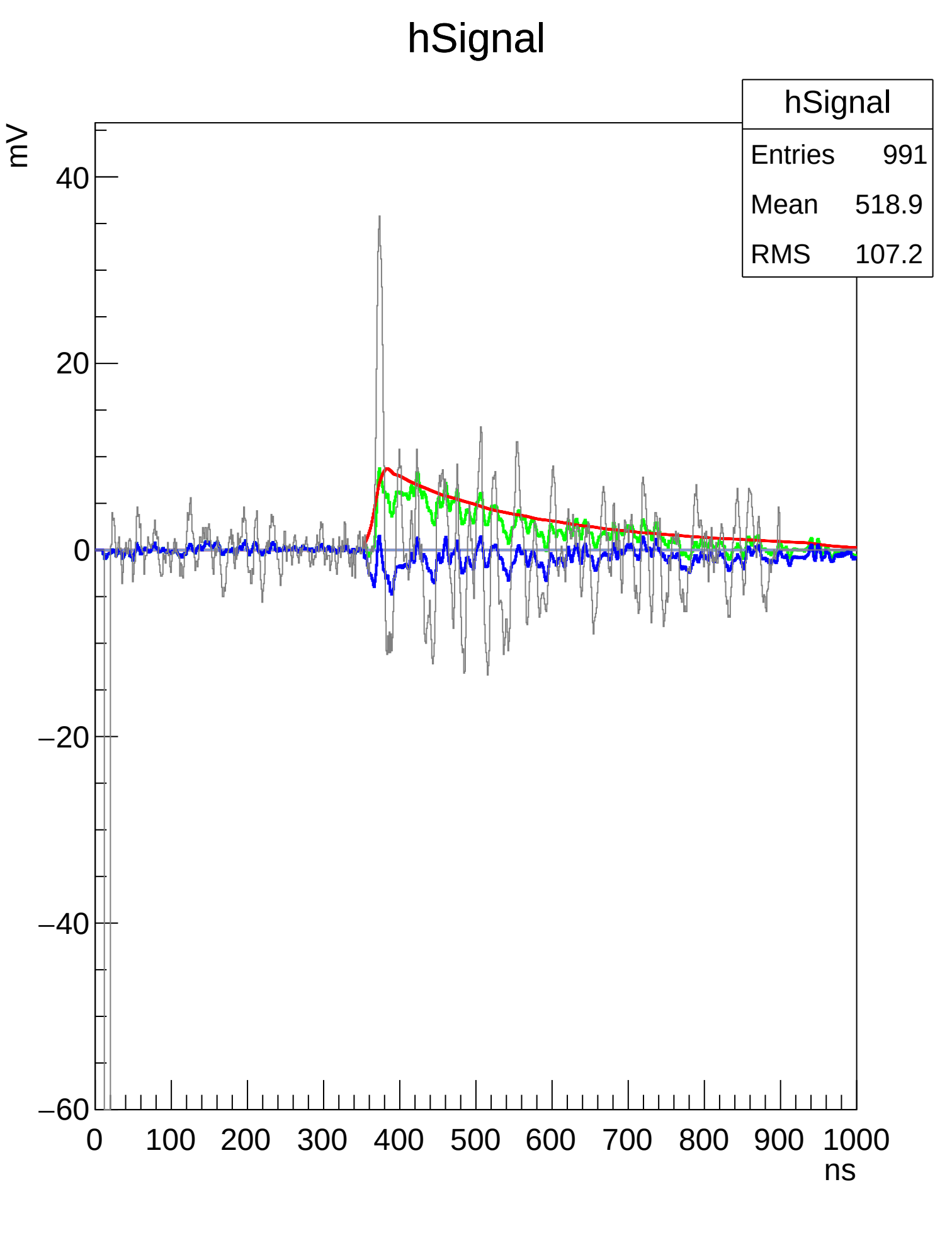
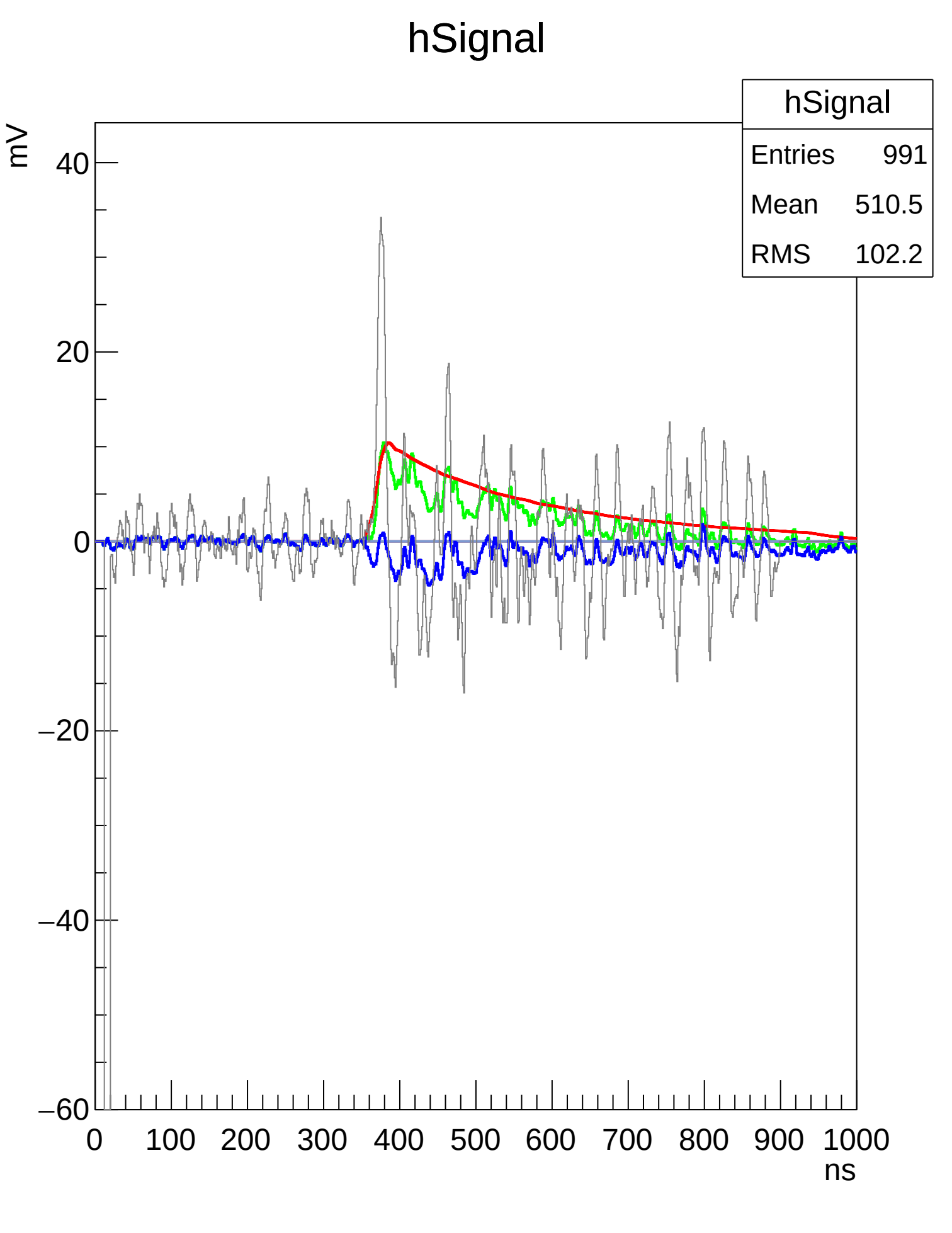
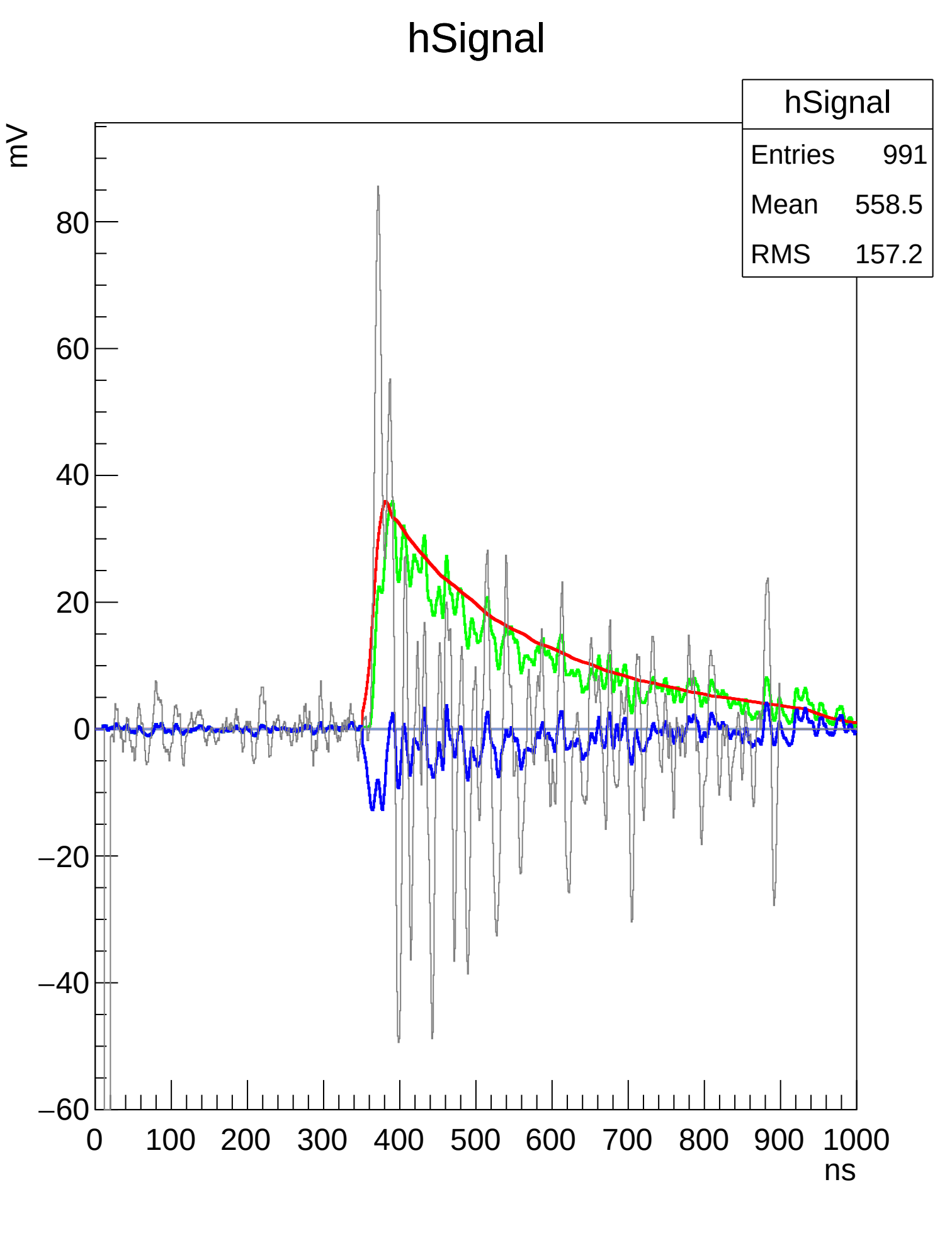
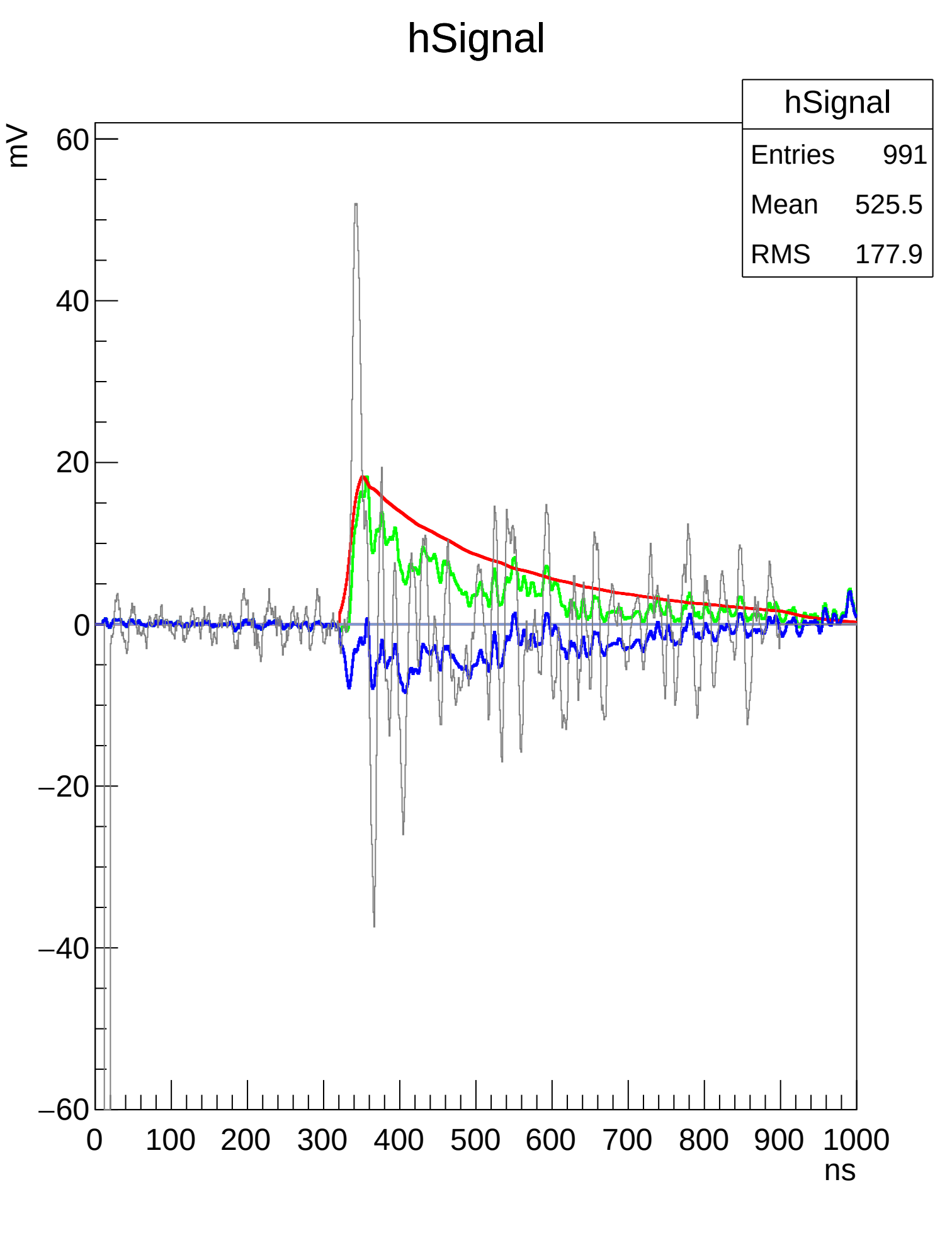
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.9
RMS 107.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.5
RMS 102.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.5
RMS 157.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.5
RMS 177.9
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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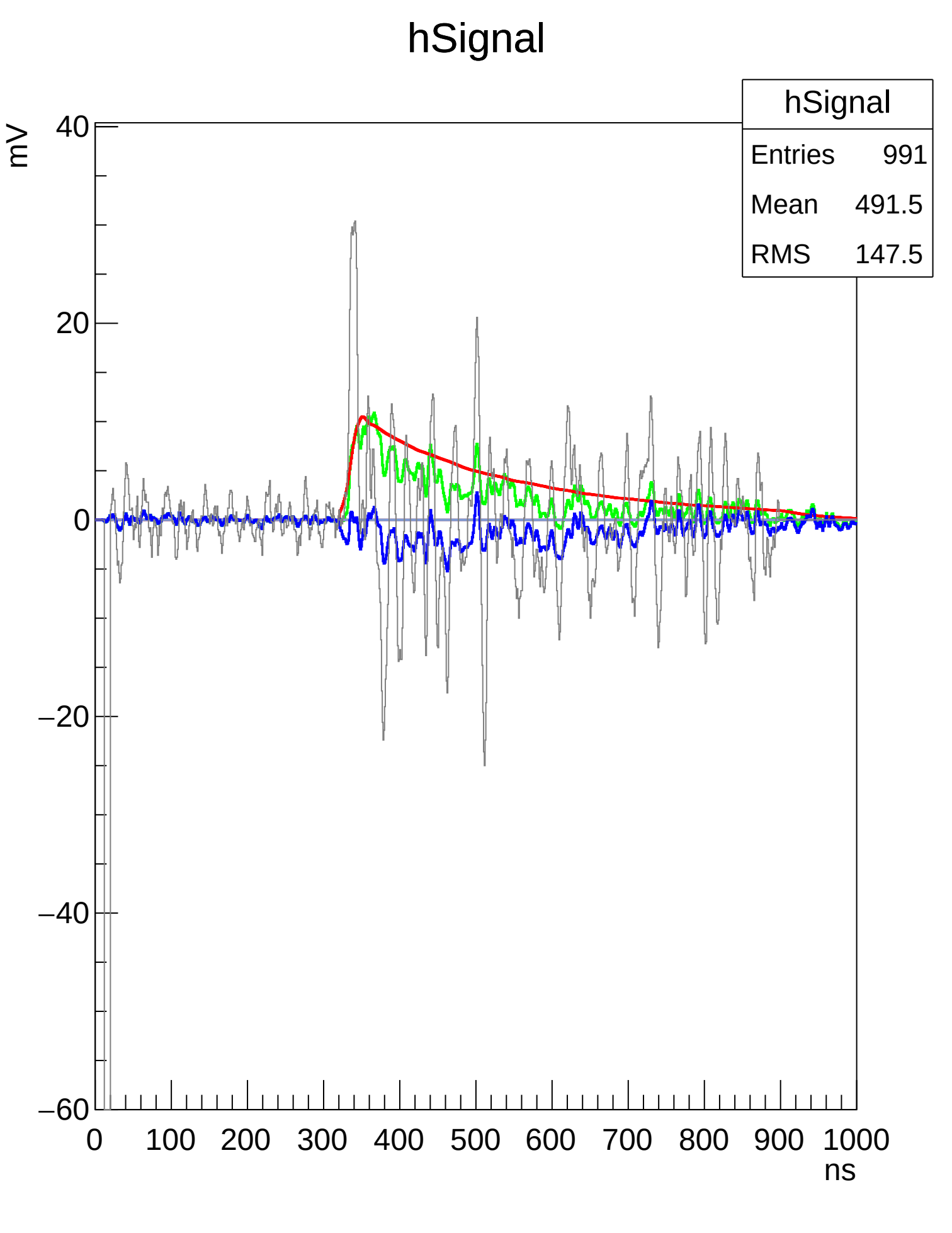
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.5
RMS 147.5
mV
40
20
0
−20
−40
−60
0
100
200
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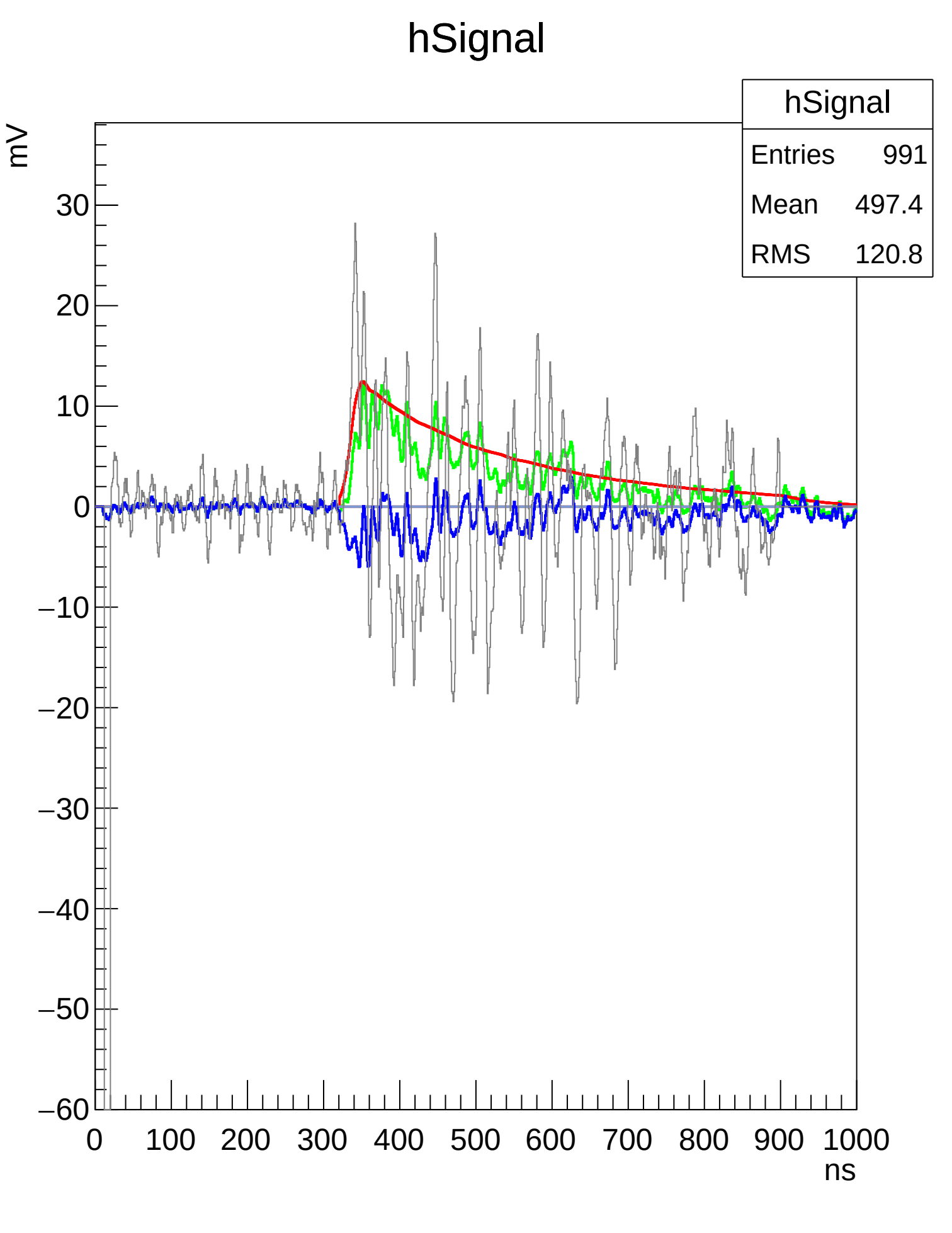
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.4
RMS 120.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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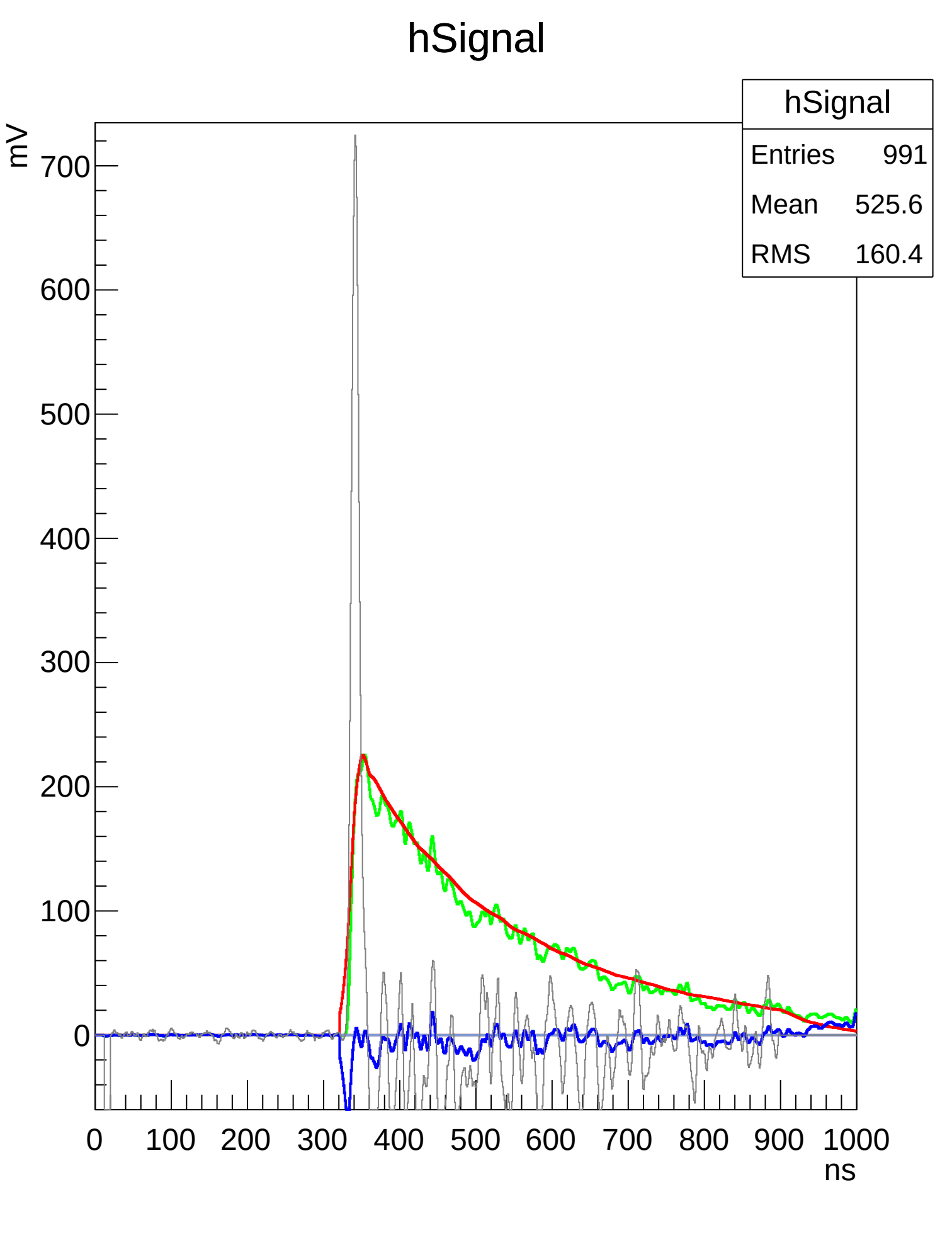
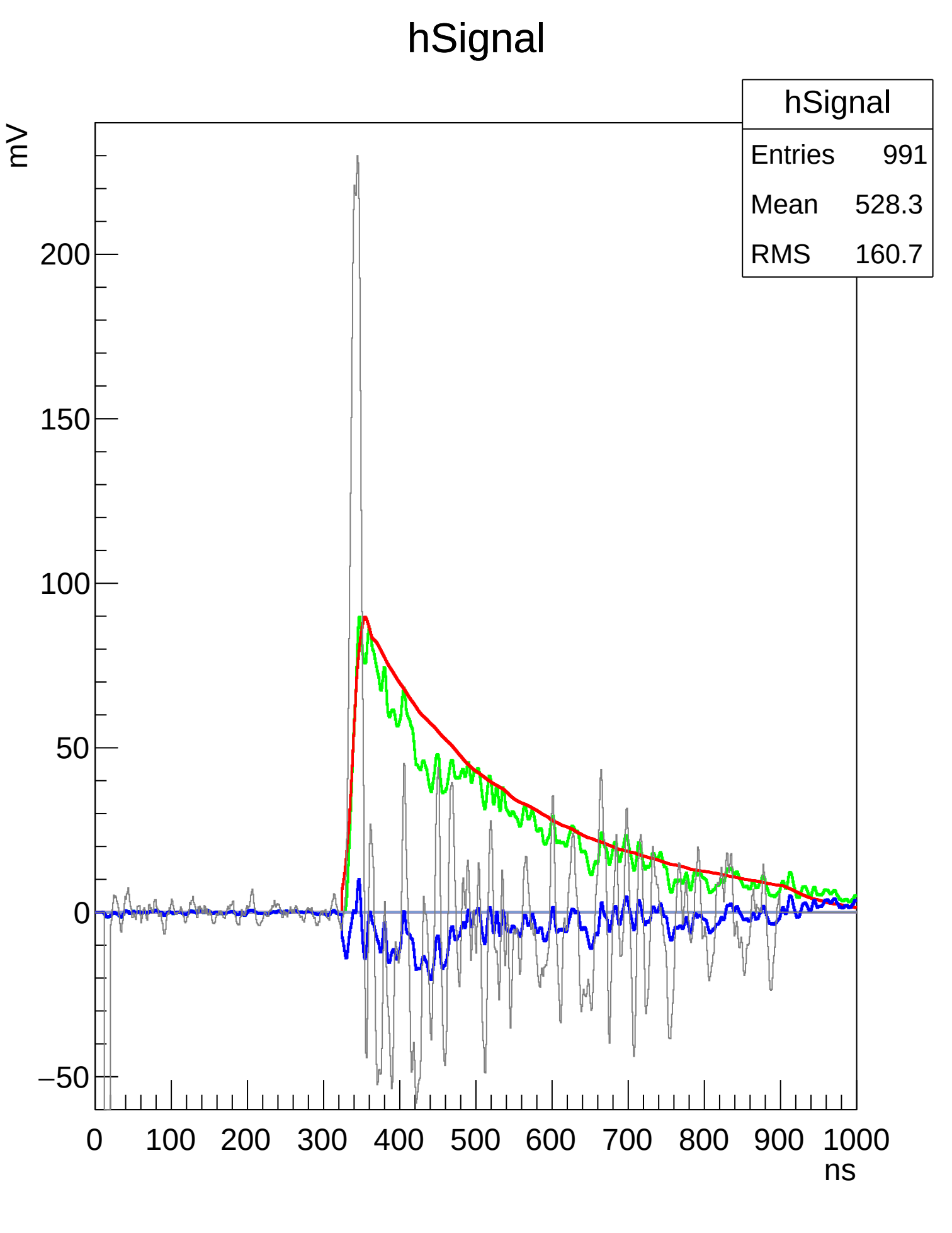
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.6
RMS 160.4
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.3
RMS 160.7
mV
200
150
100
50
0
−50
0
100
200
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400
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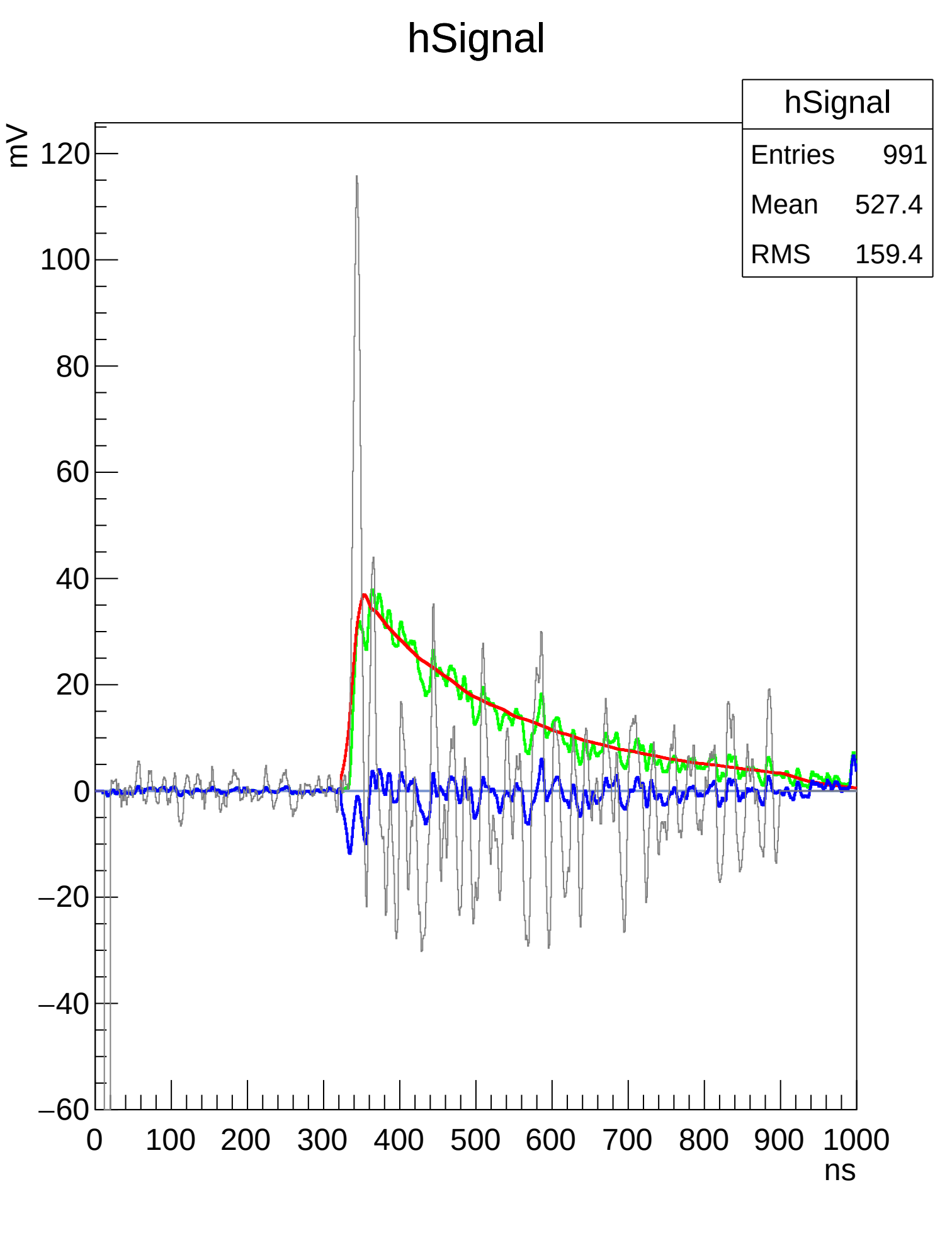
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.4
RMS 159.4
mV
120
100
80
60
40
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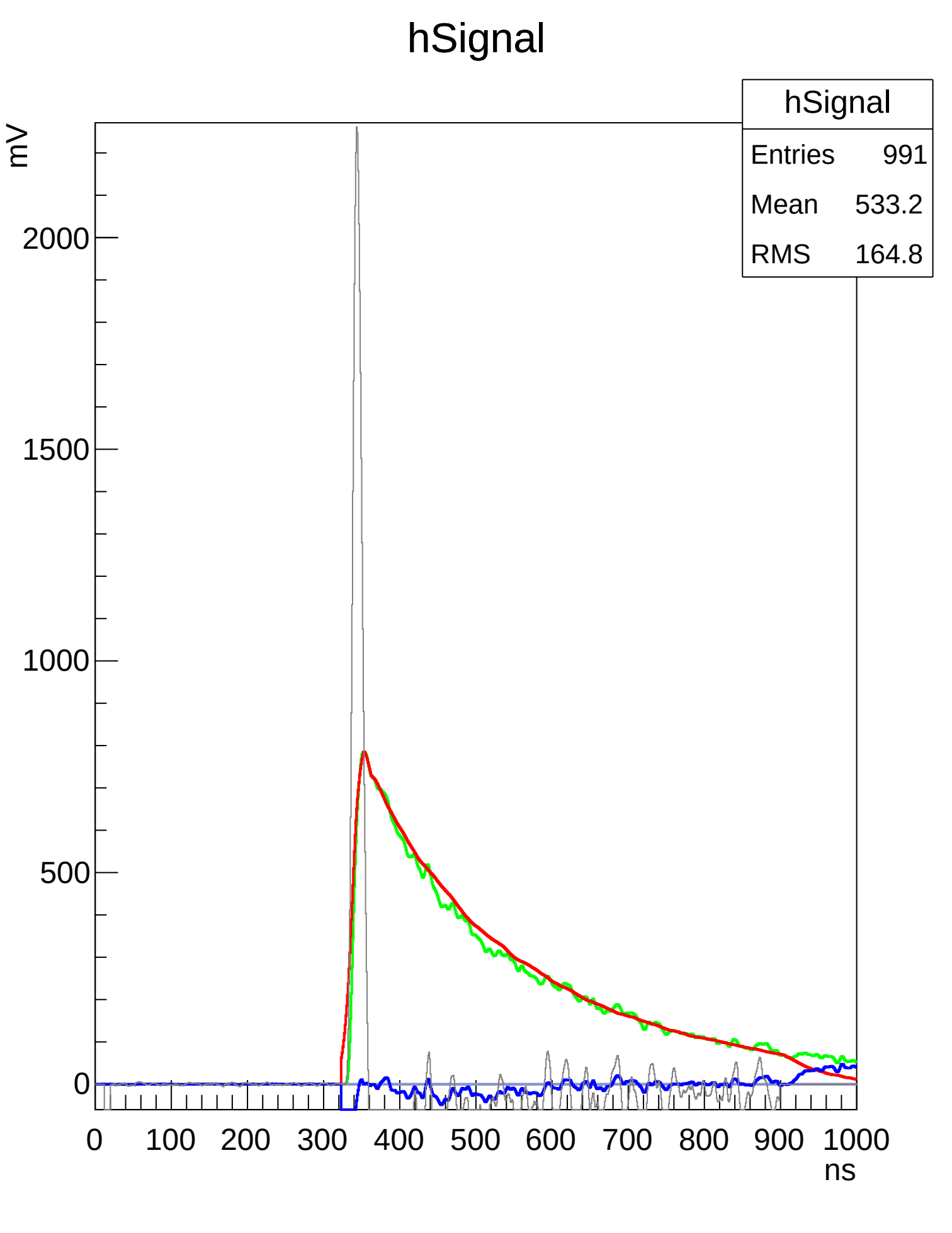
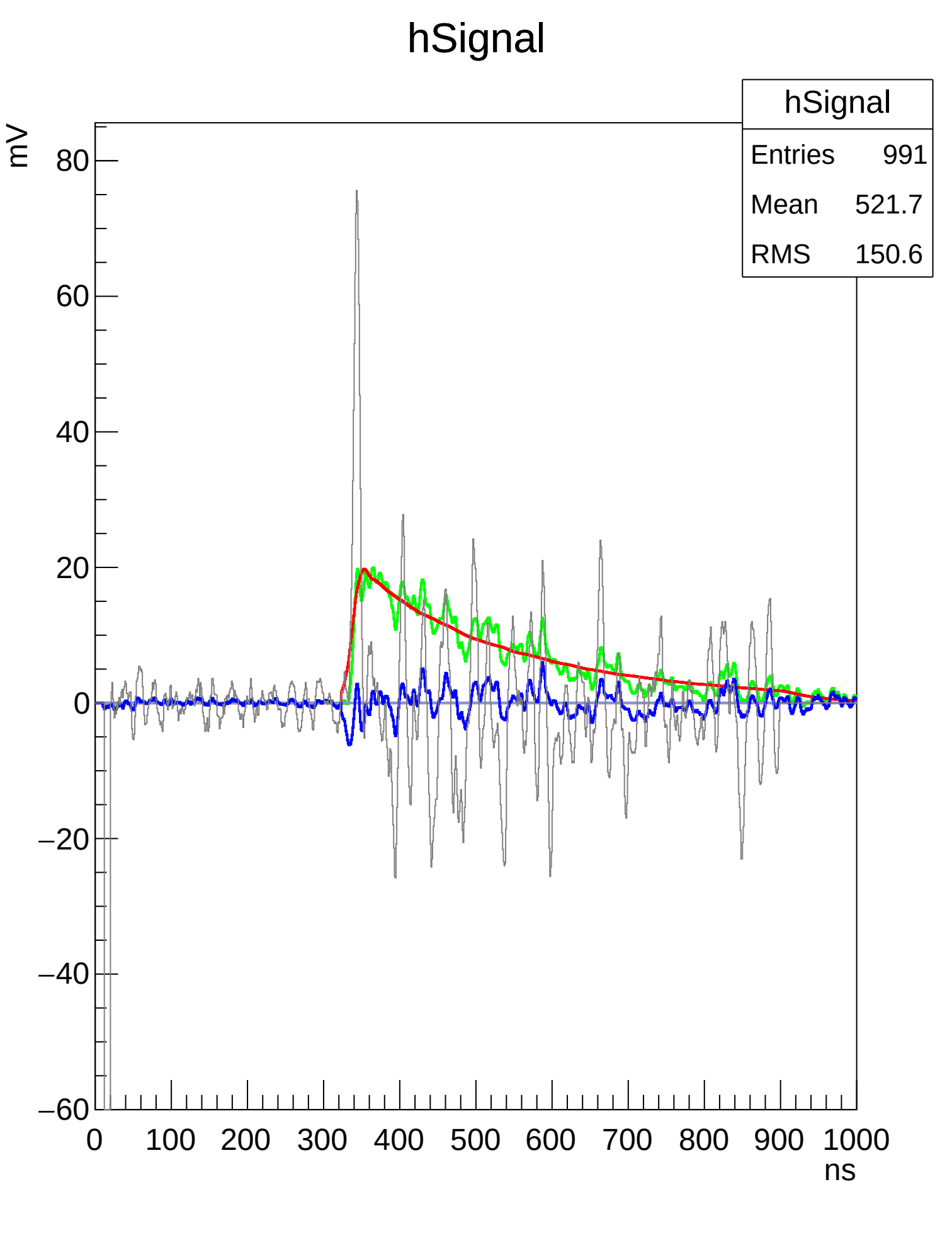
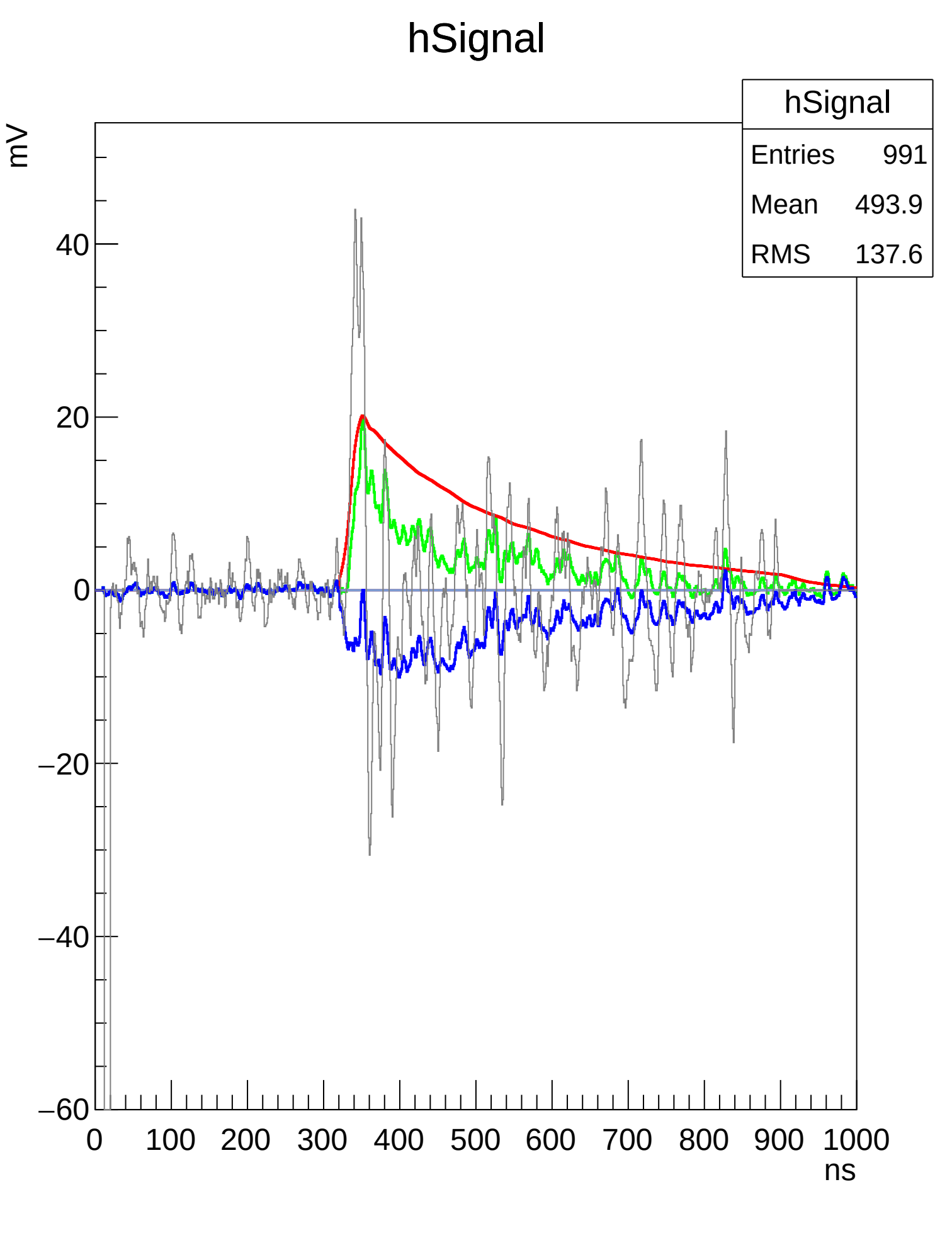
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.2
RMS 164.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.7
RMS 150.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.9
RMS 137.6
mV
40
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0
−20
−40
−60
0
100
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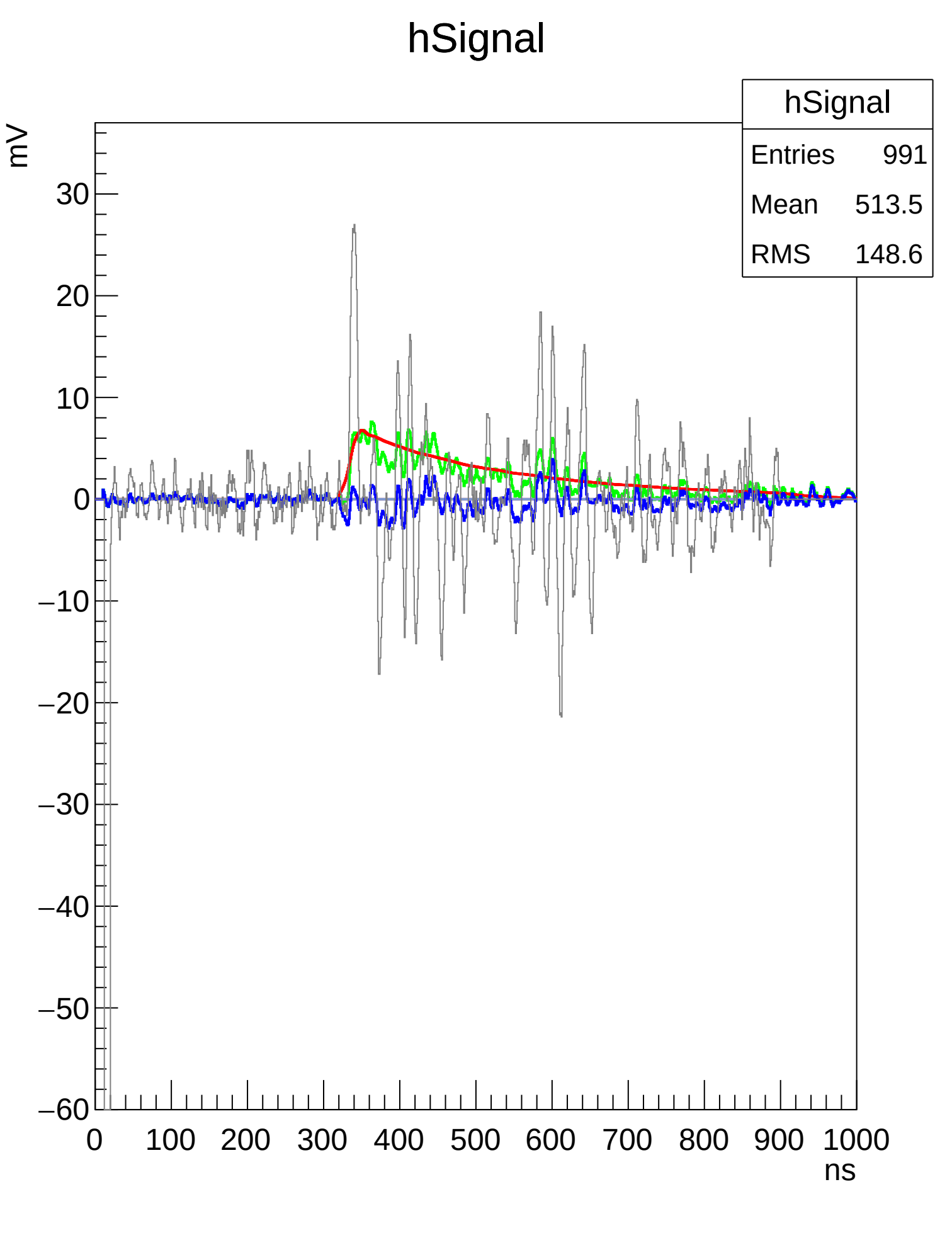
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.5
RMS 148.6
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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600
700
800
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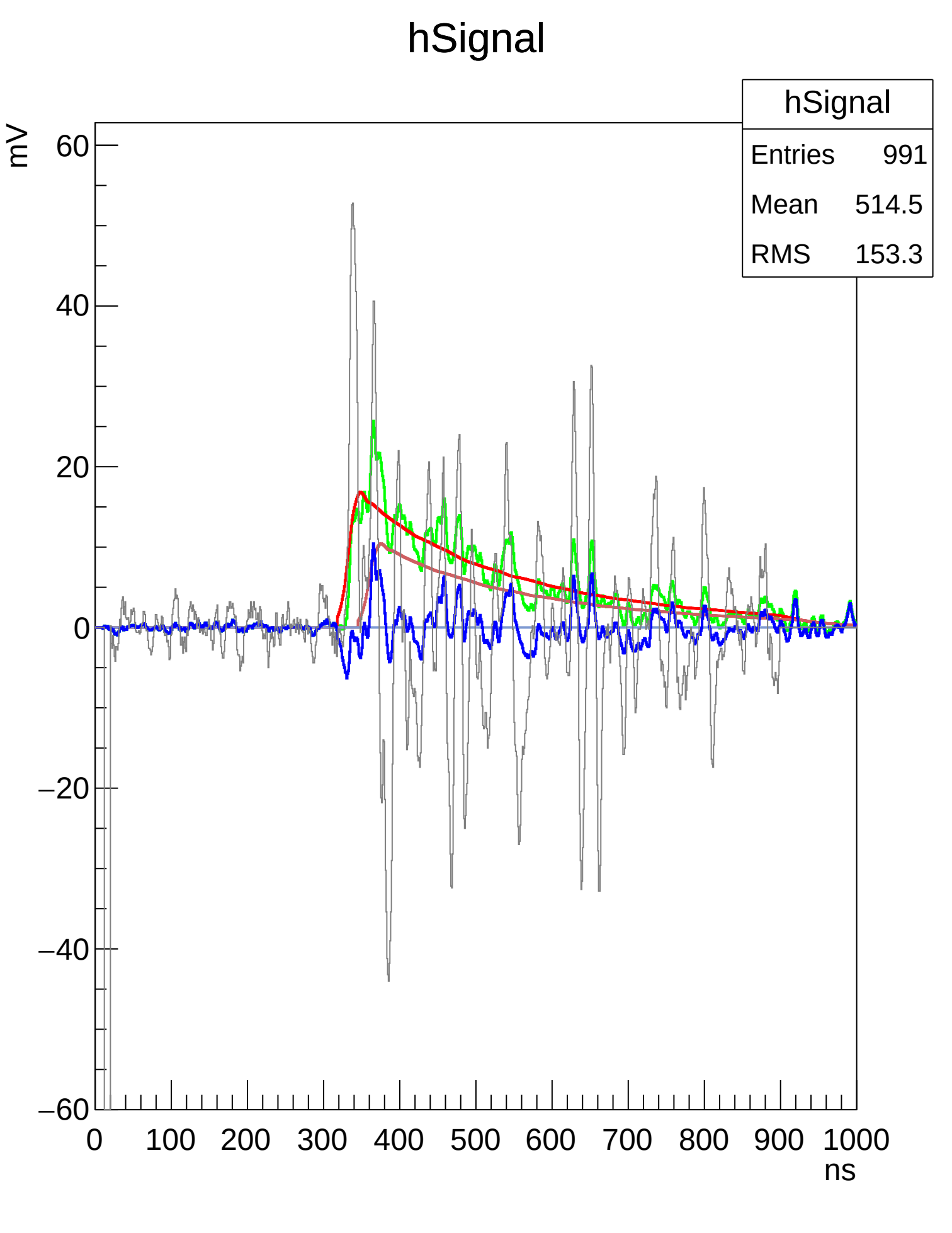
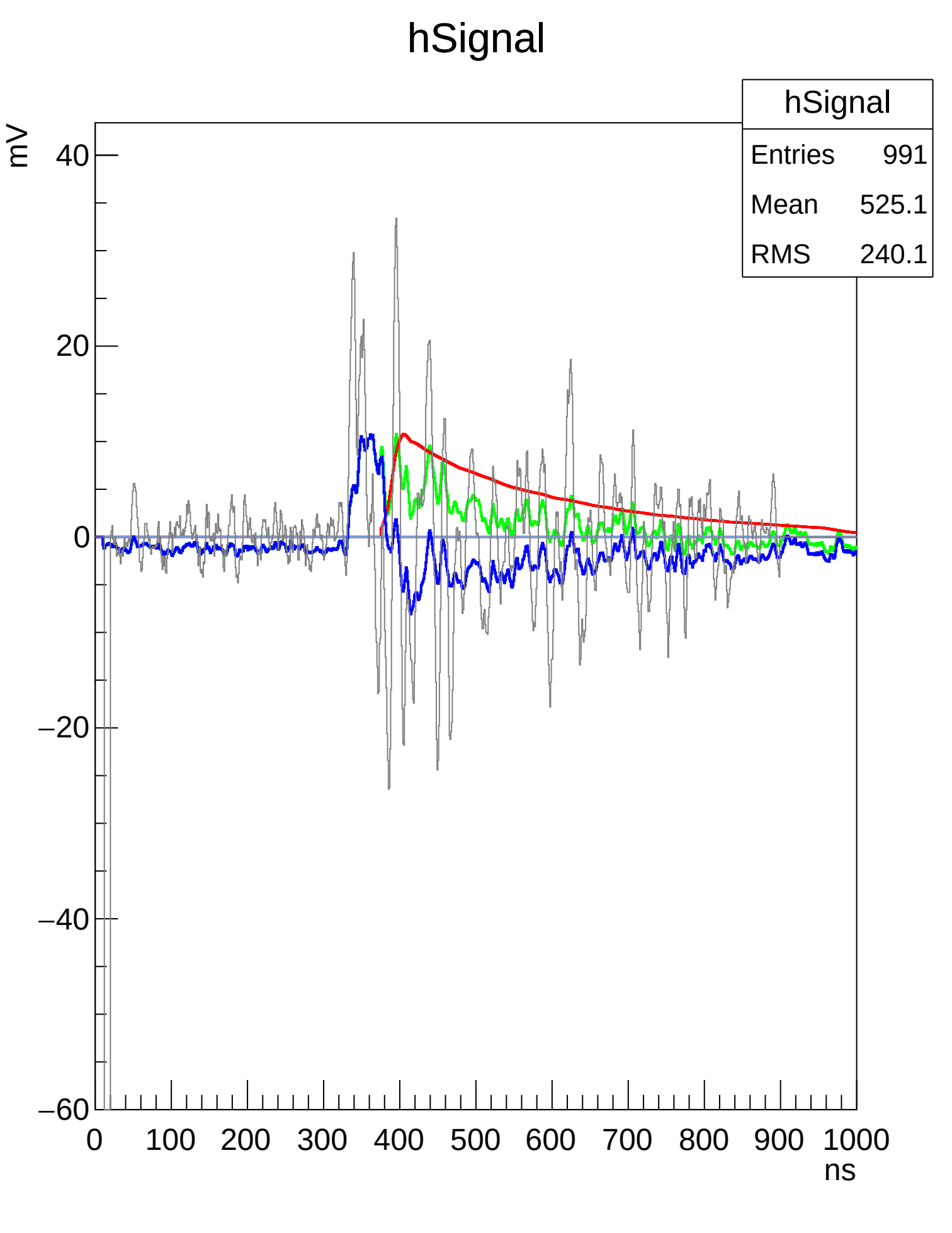
1000
ns


hSignal
hSignal
Entries 991
Mean 514.5
RMS 153.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.1
RMS 240.1
mV
40
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−20
−40
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0
100
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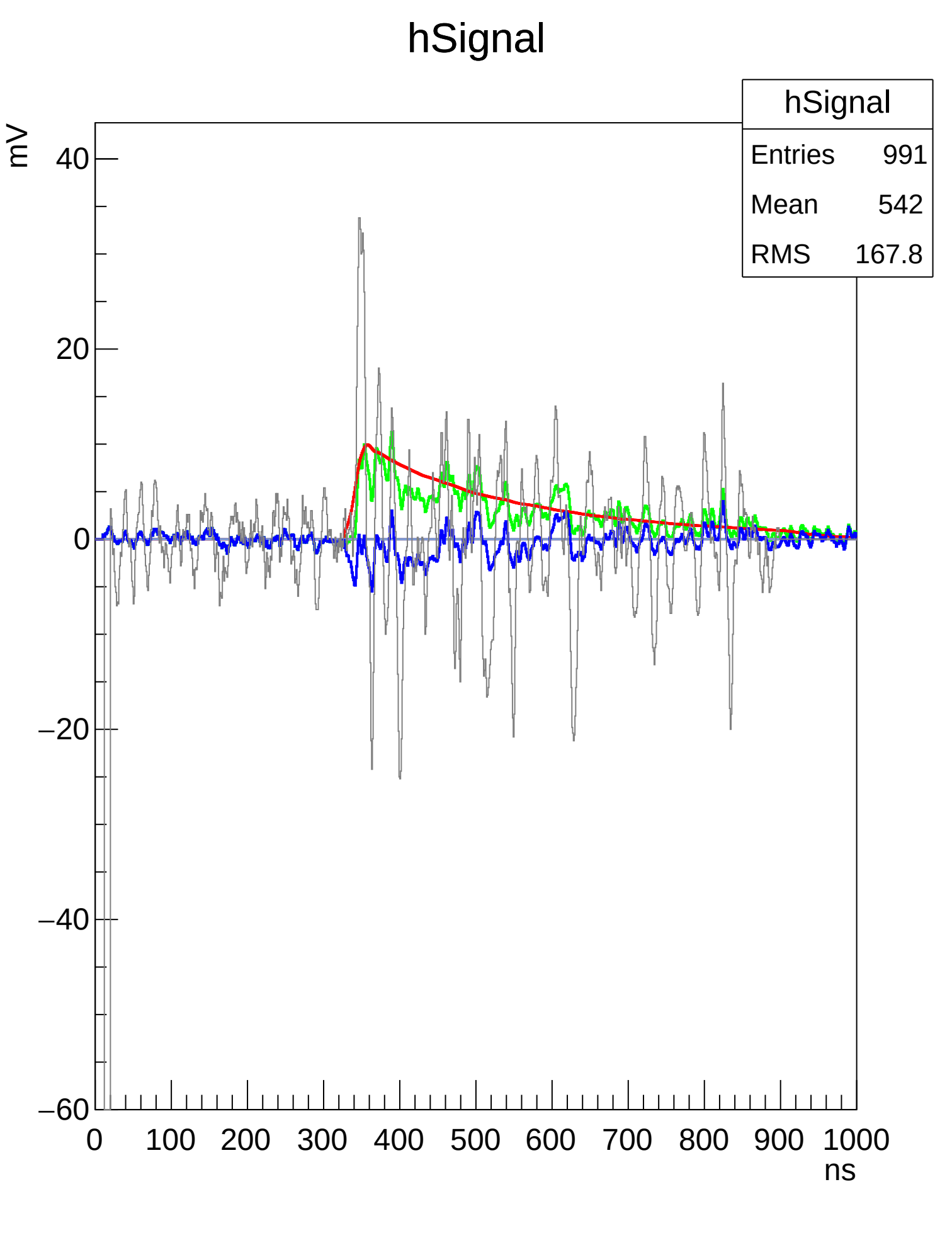
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542
RMS 167.8
mV
40
20
0
−20
−40
−60
0
100
200
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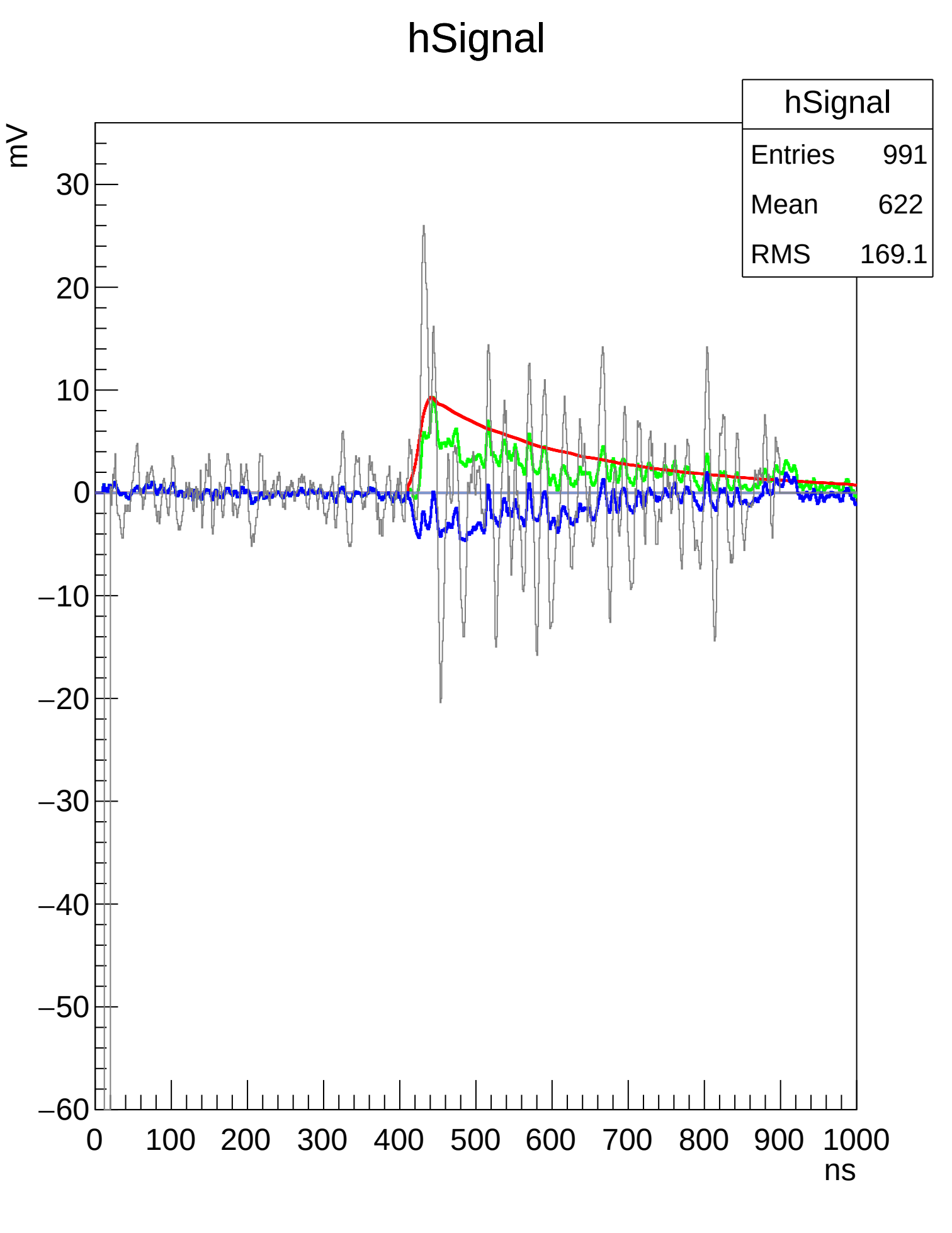
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622
RMS 169.1
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
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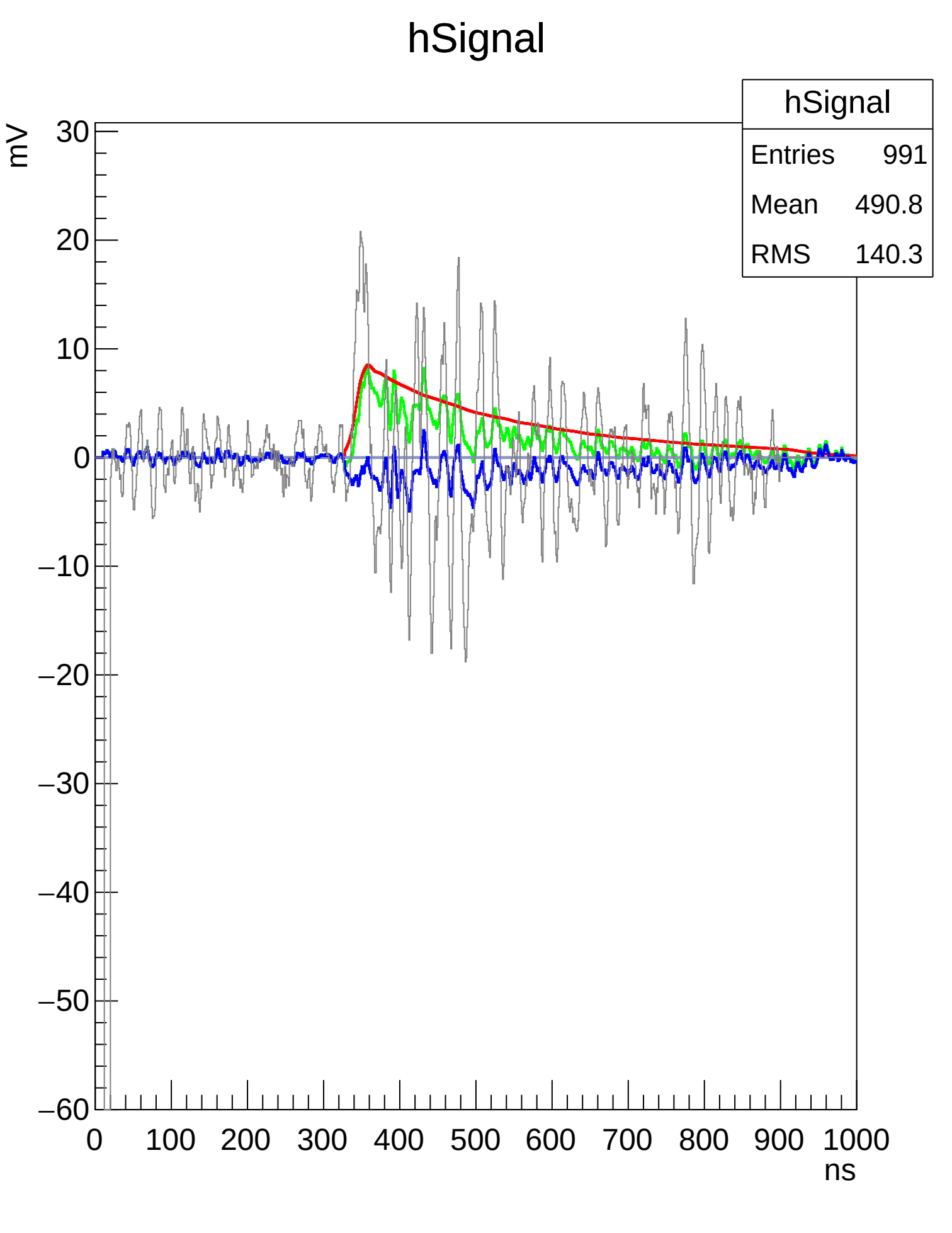
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.8
RMS 140.3
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
500
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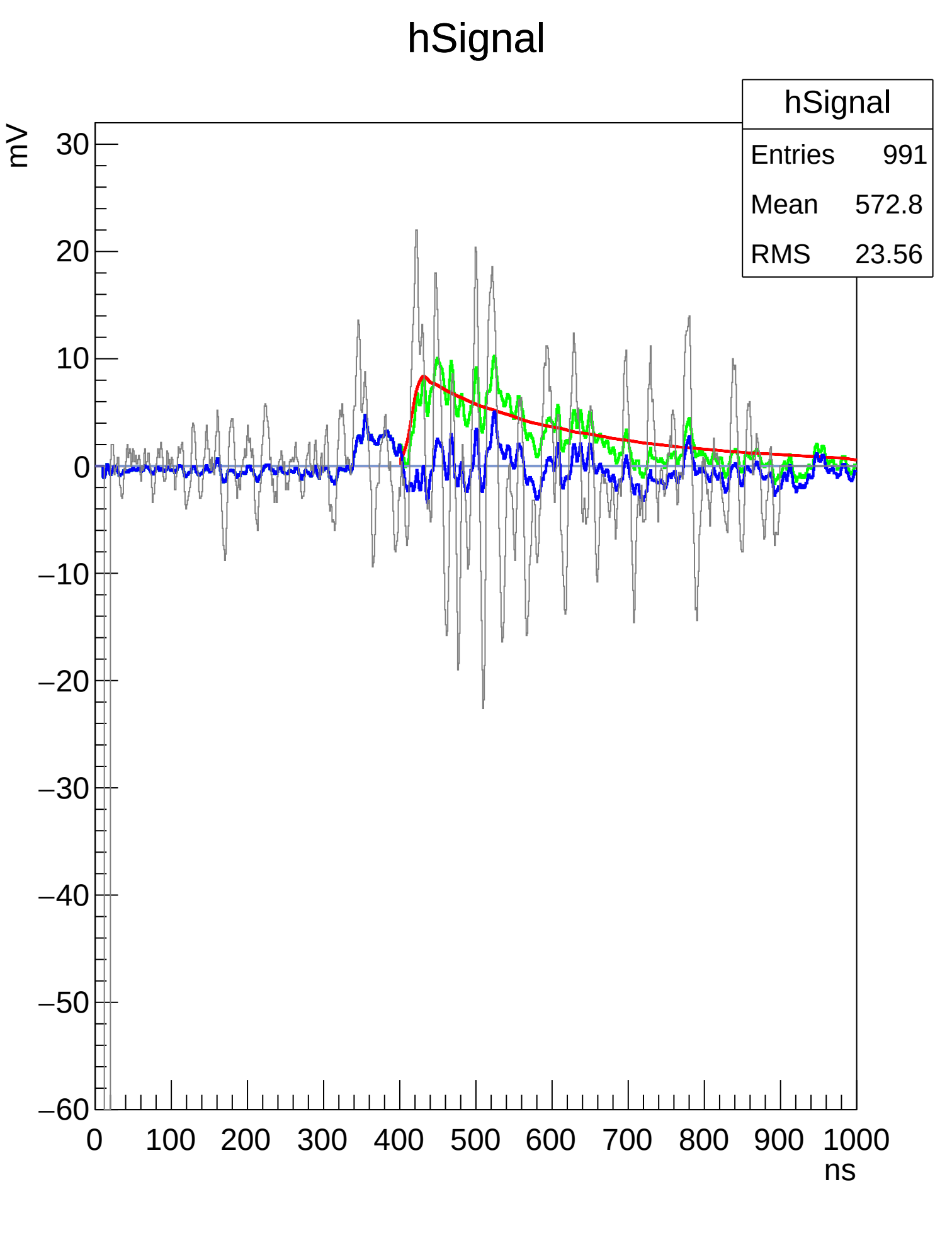
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.8
RMS 23.56
mV
30
20
10
0
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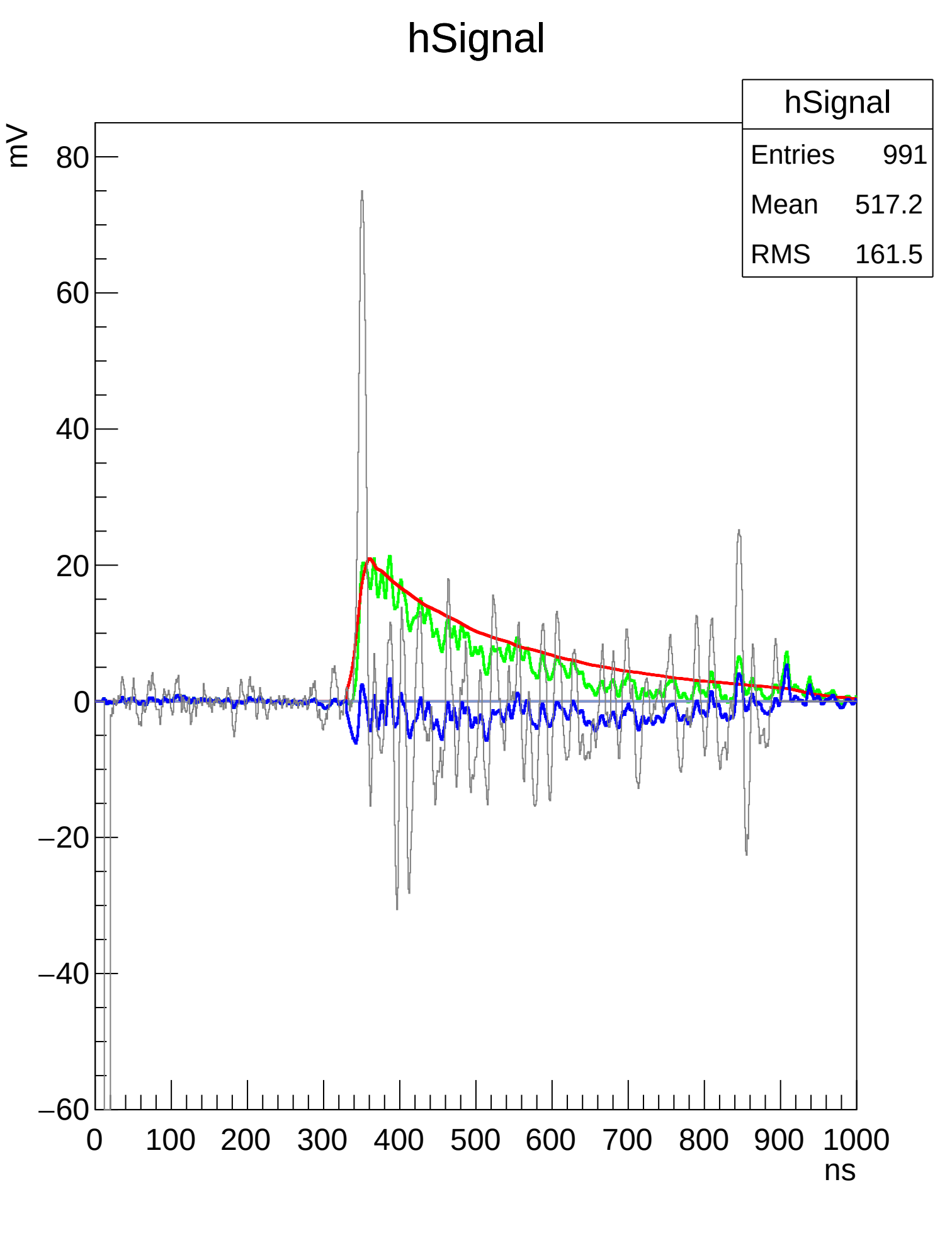
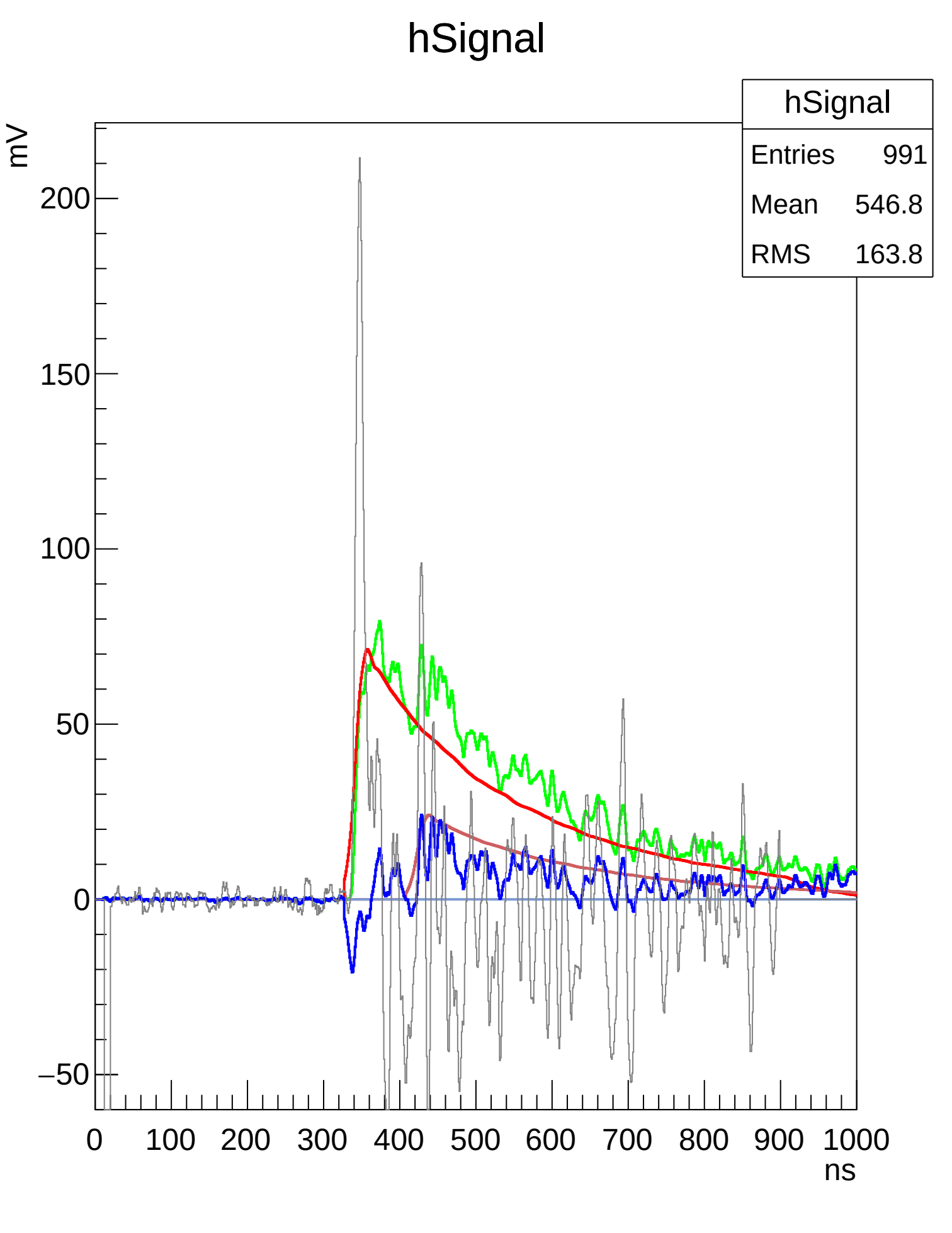
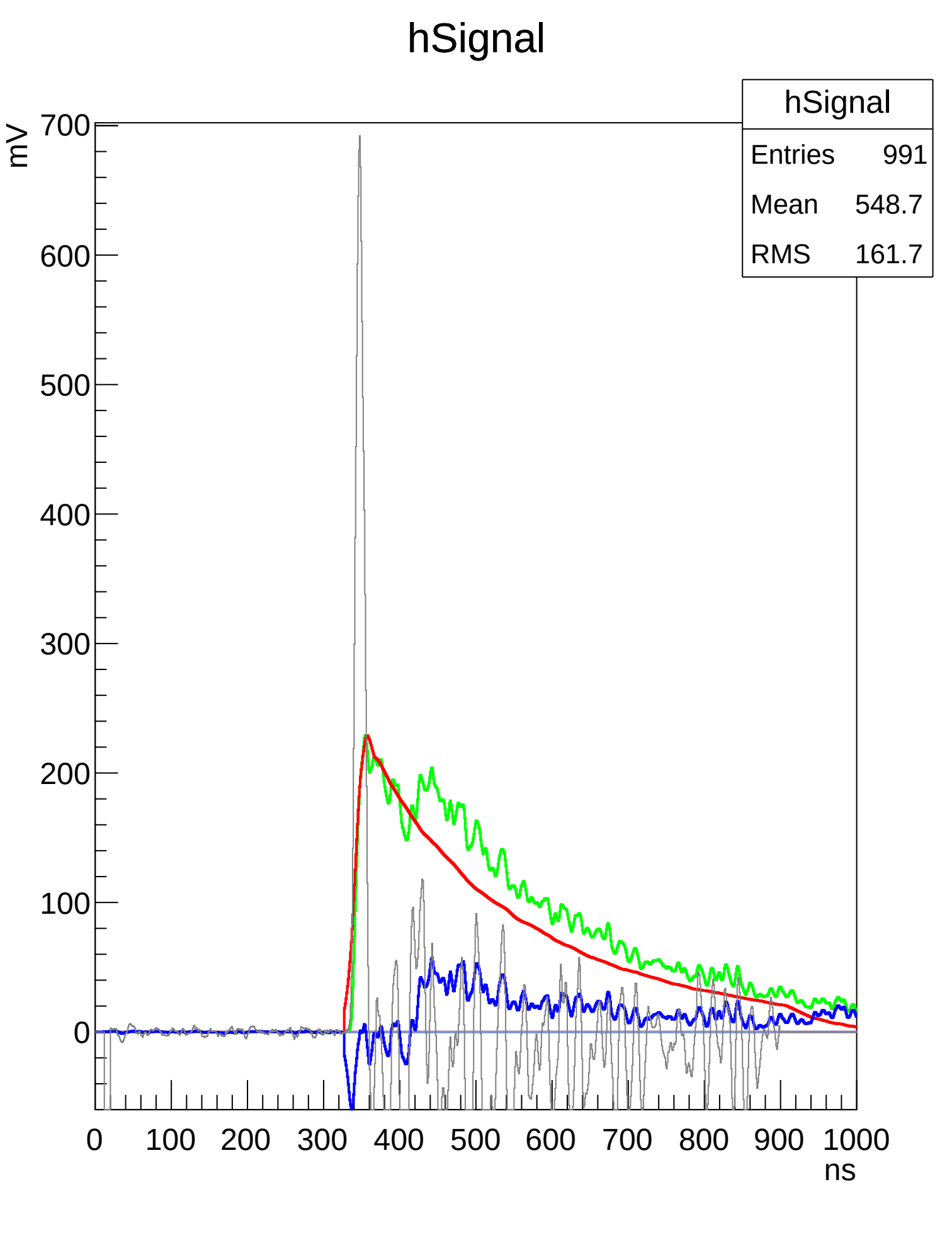
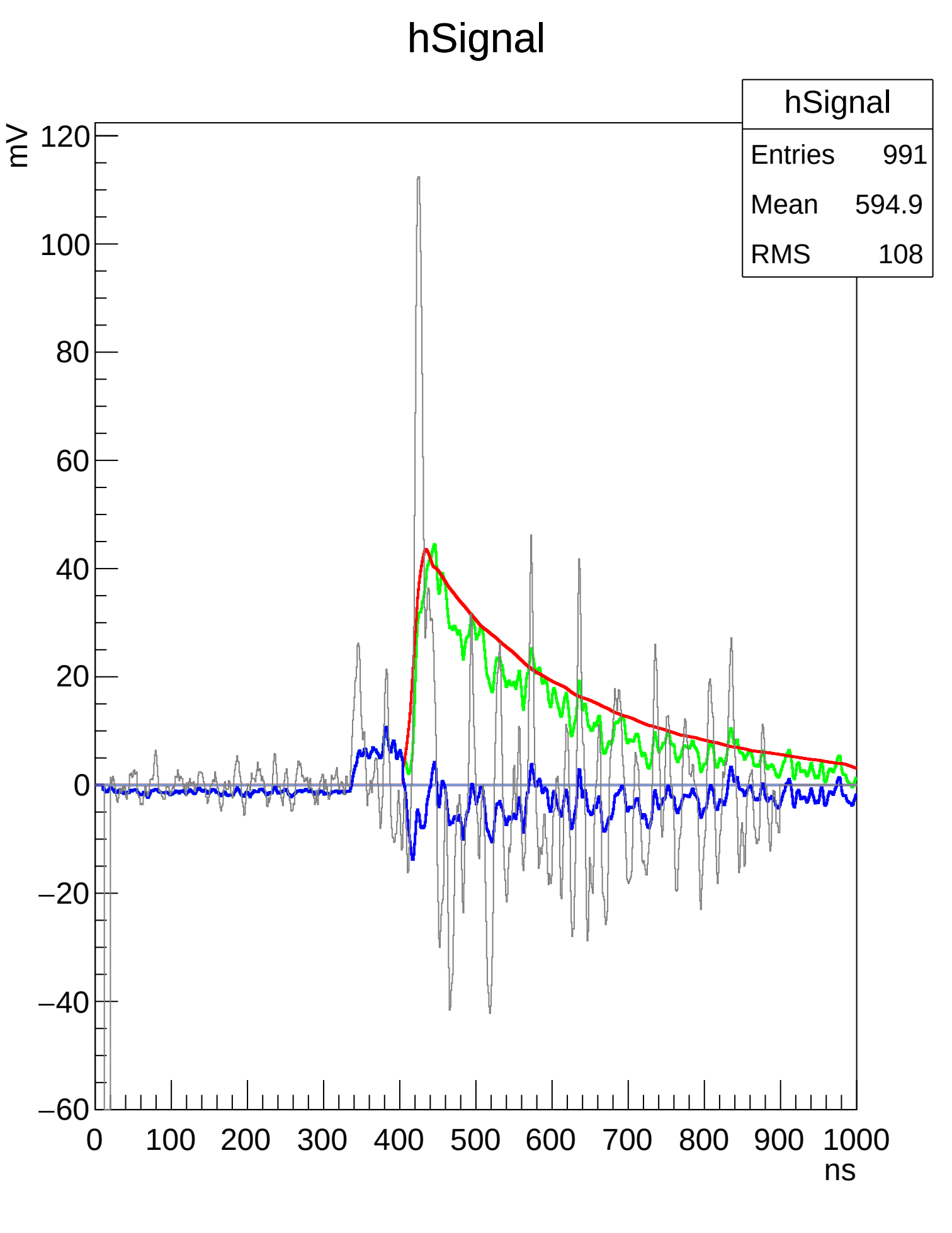
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.2
RMS 161.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.8
RMS 163.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.7
RMS 161.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.9
RMS 108
mV
120
100
80
60
40
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0
−20
−40
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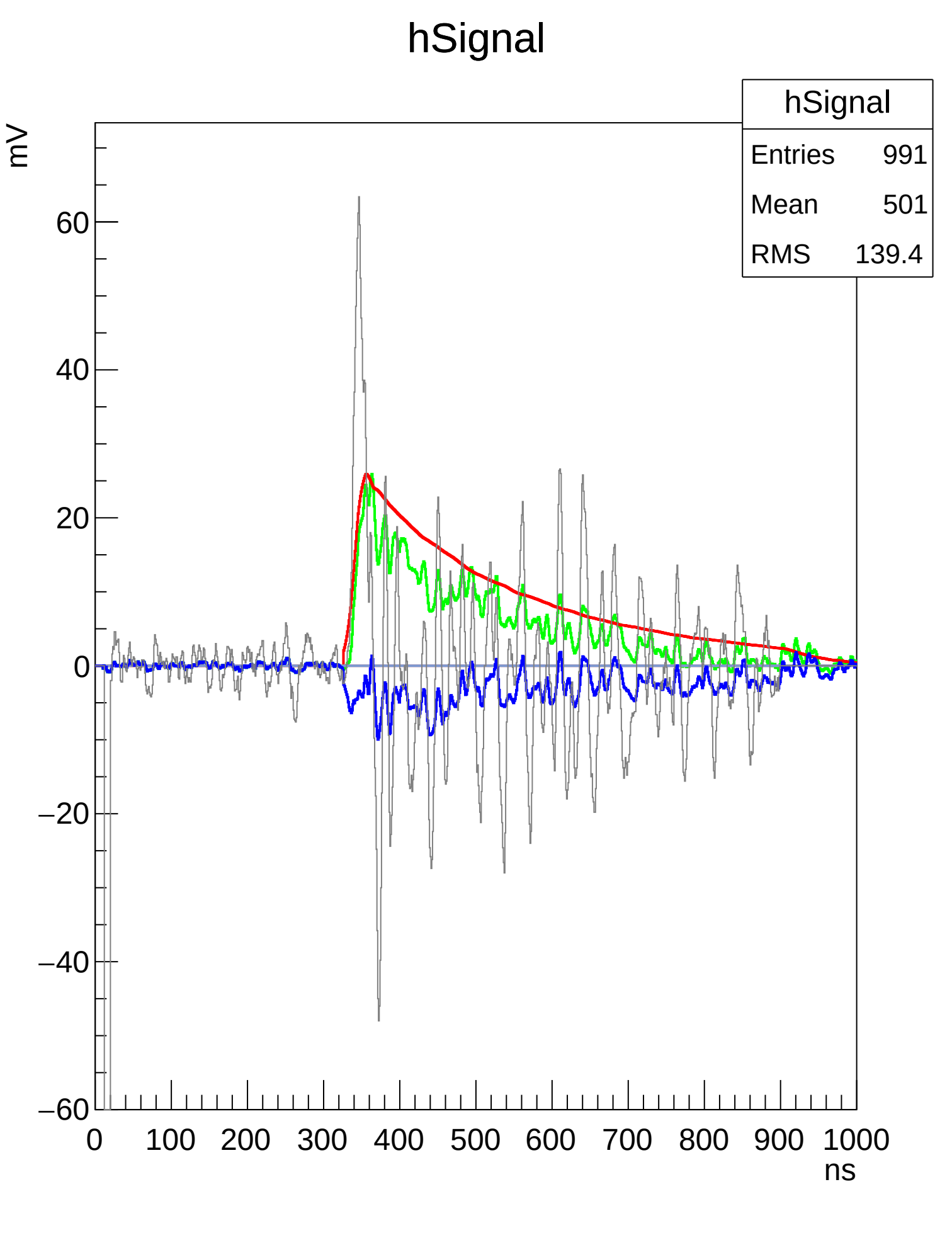
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501
RMS 139.4
mV
60
40
20
0
−20
−40
−60
0
100
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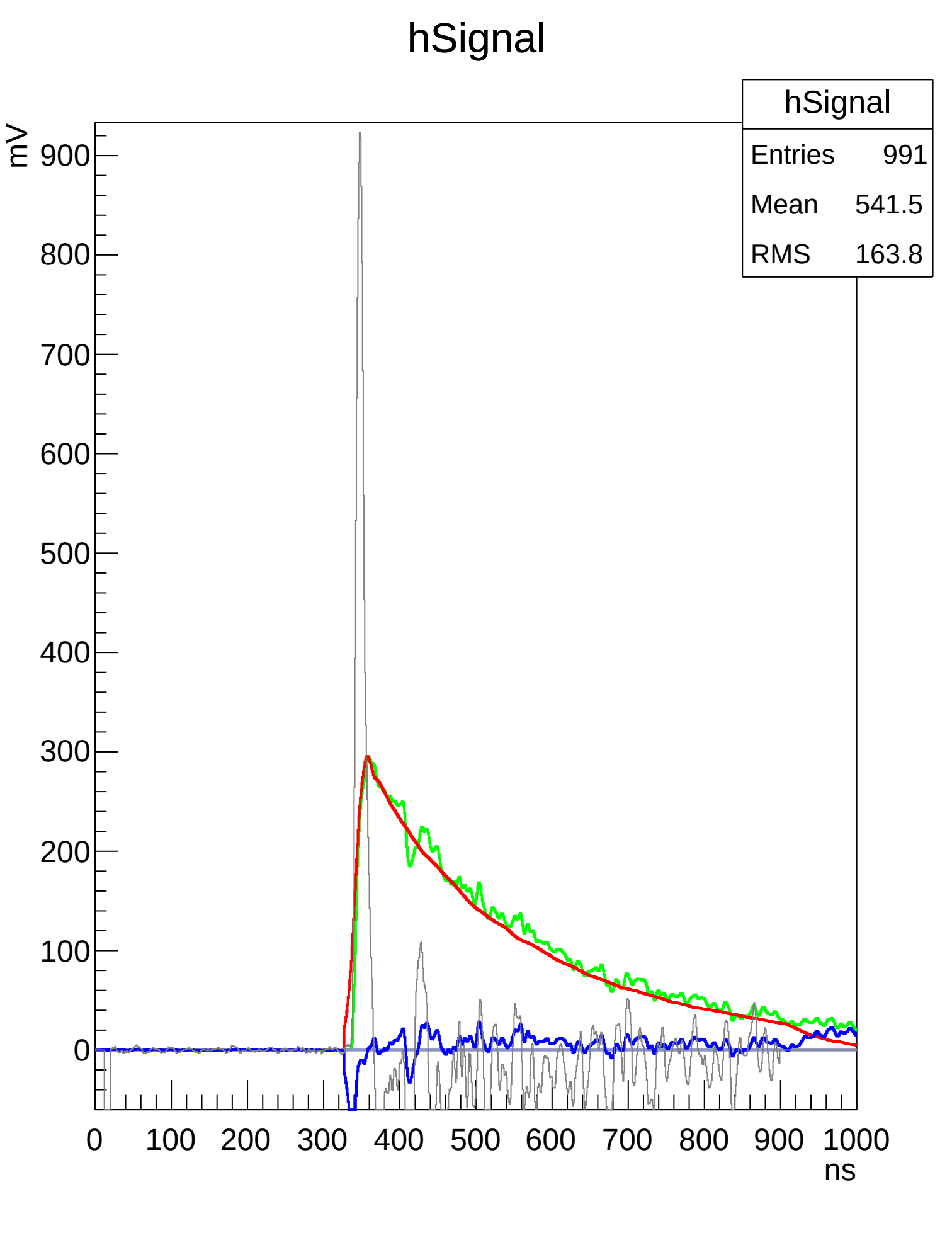
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.5
RMS 163.8
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
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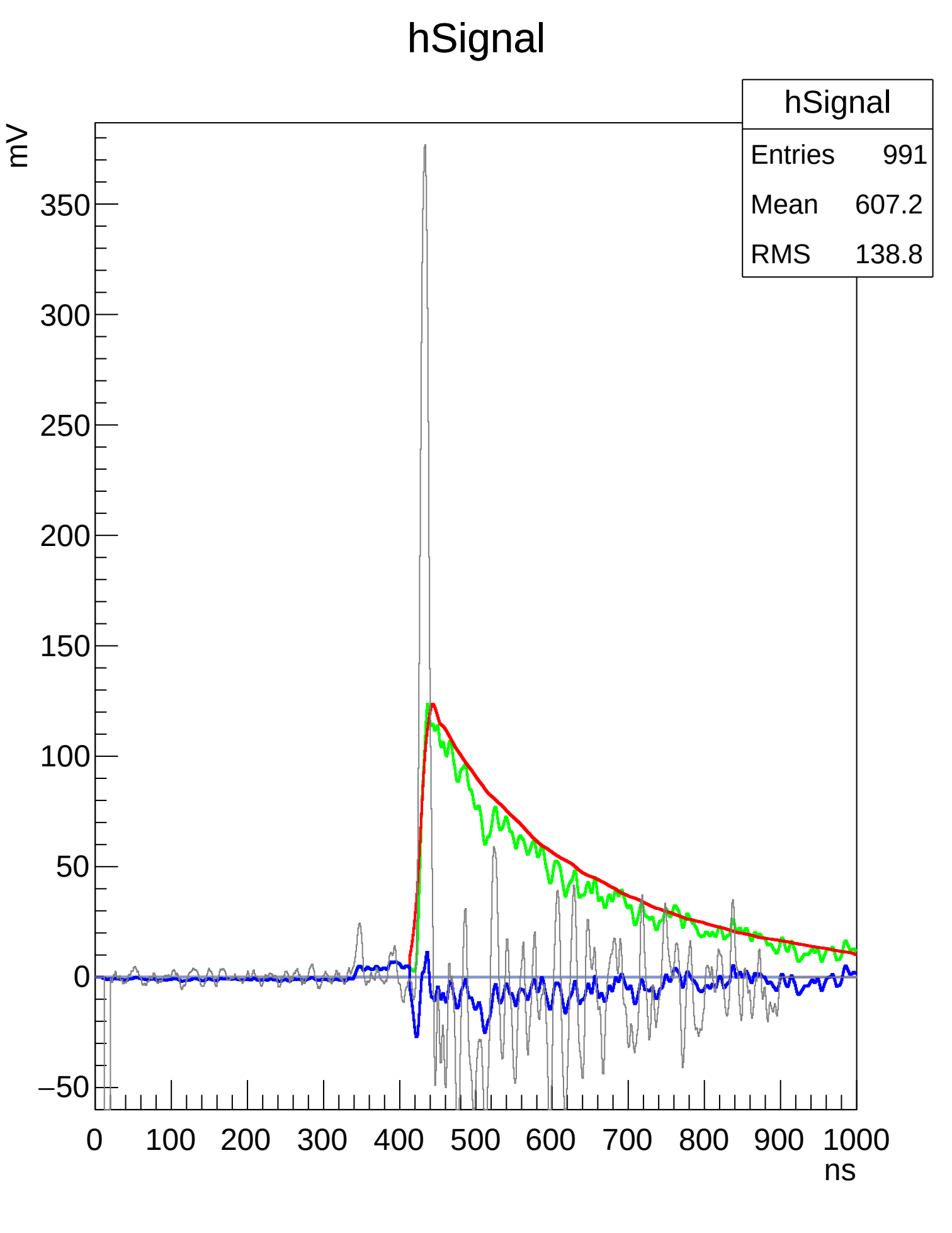
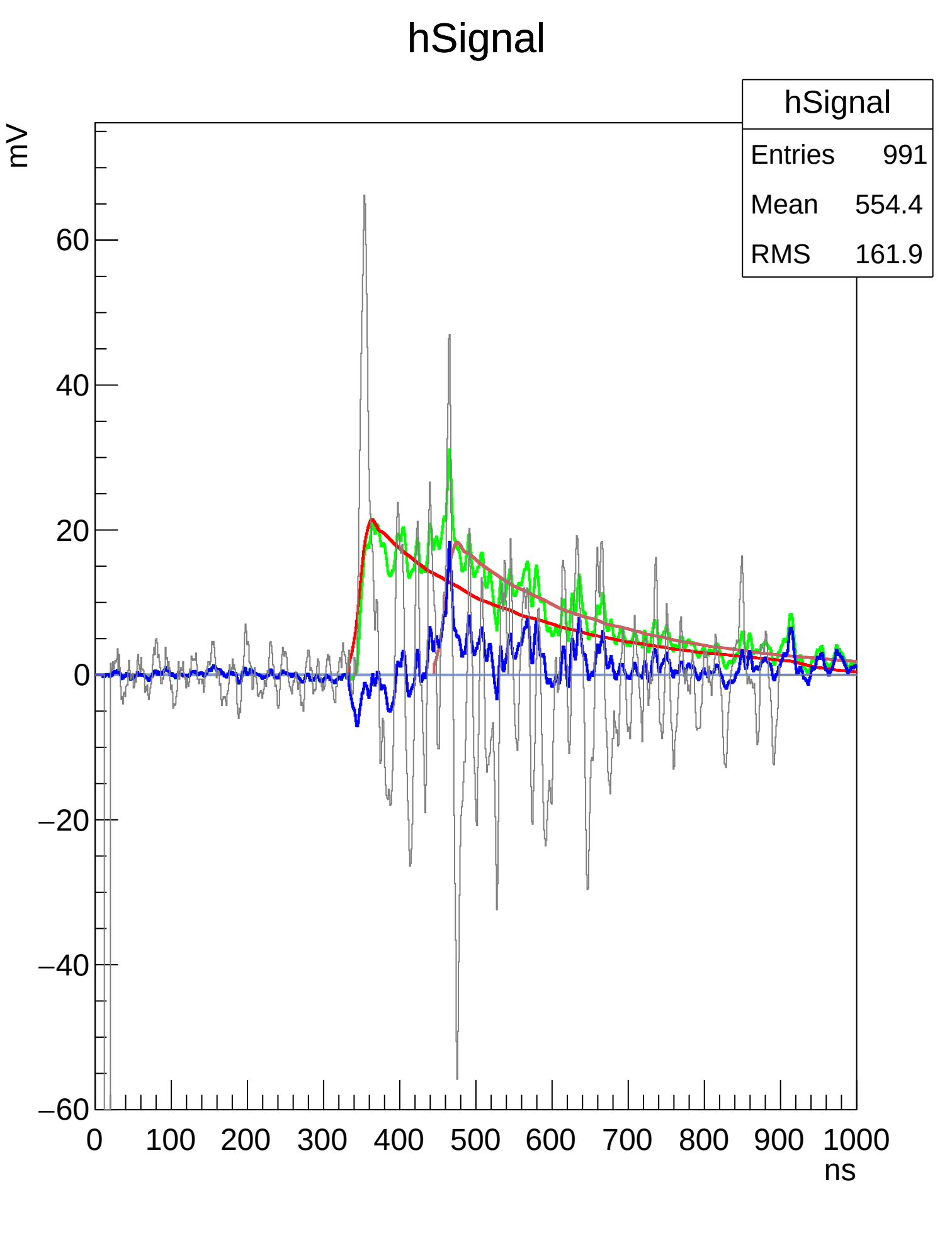
1000
ns


hSignal
hSignal
Entries 991
Mean 607.2
RMS 138.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.4
RMS 161.9
mV
60
40
20
0
−20
−40
−60
0
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600
700
800
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1000
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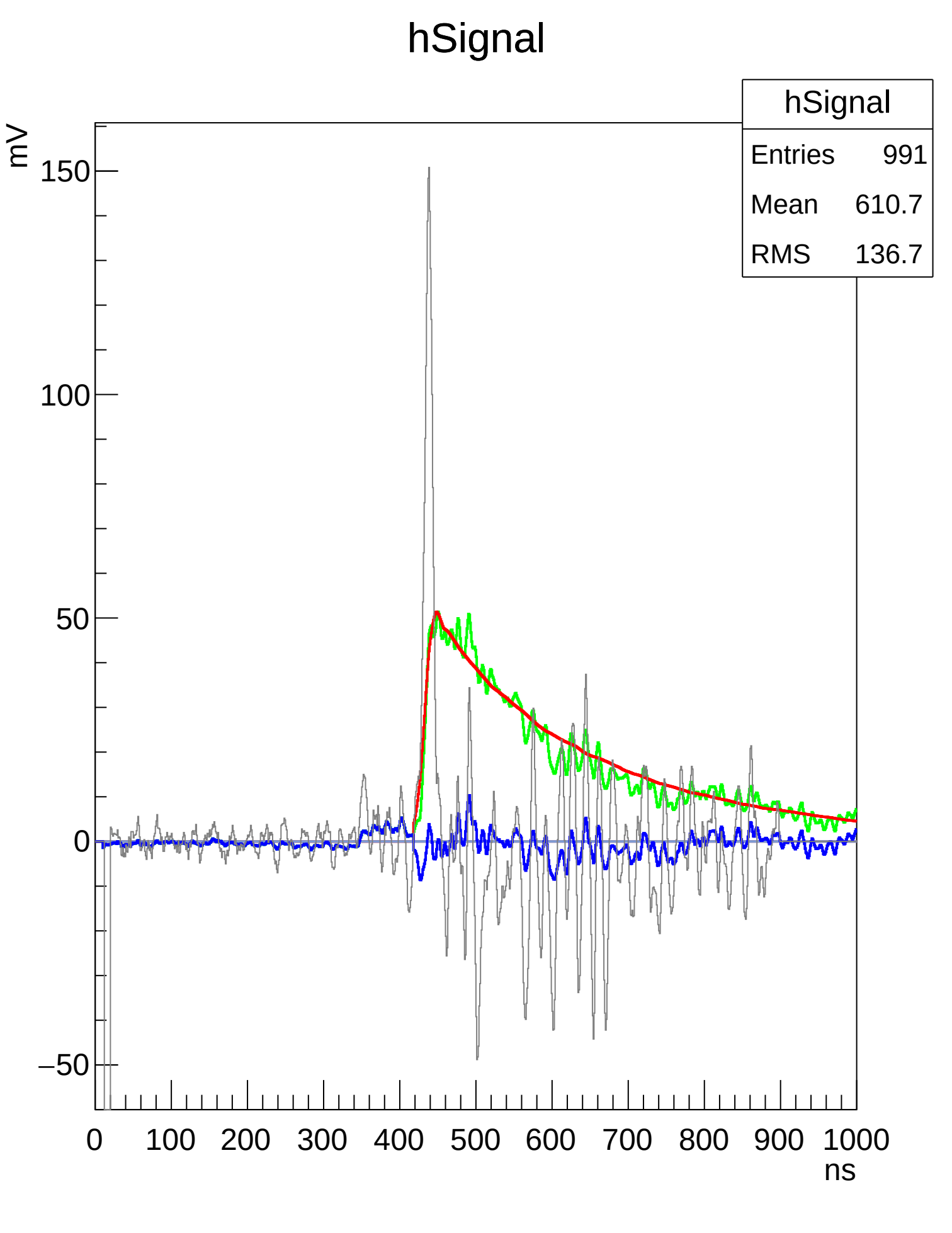
hSignal
hSignal
Entries 991
Mean 610.7
RMS 136.7
mV
150
100
50
0
−50
0
100
200
300
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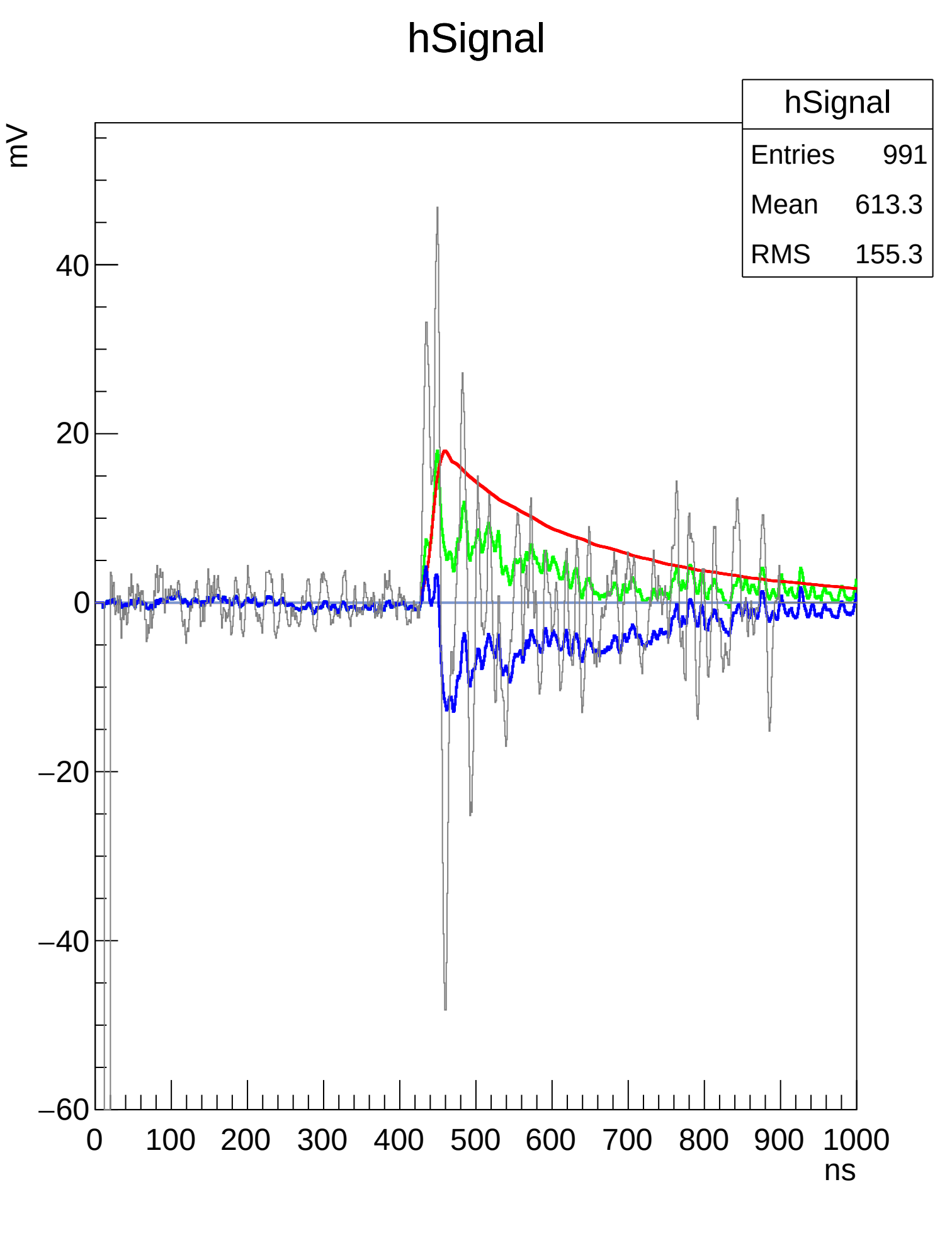
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.3
RMS 155.3
mV
40
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−20
−40
−60
0
100
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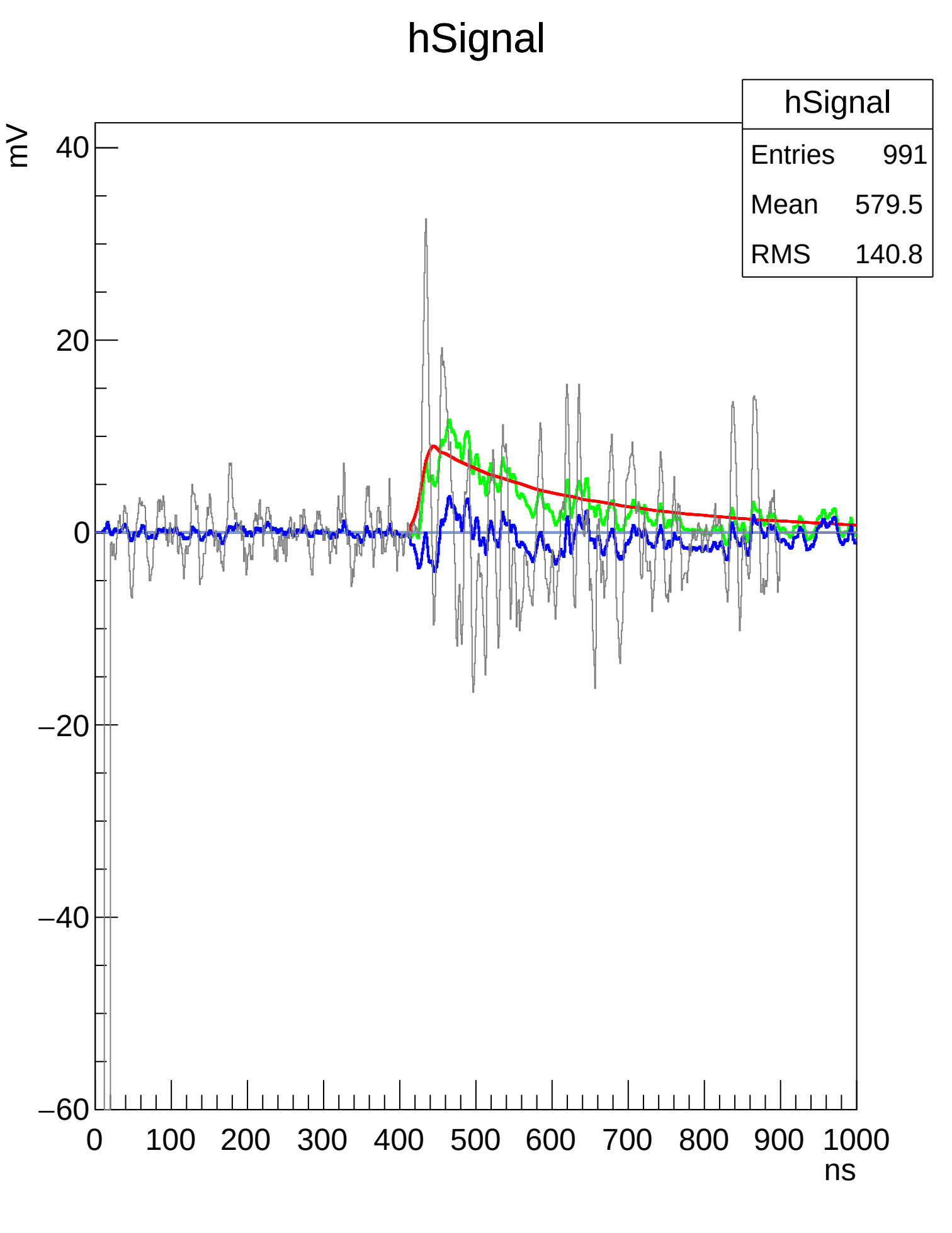
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.5
RMS 140.8
mV
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−20
−40
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0
100
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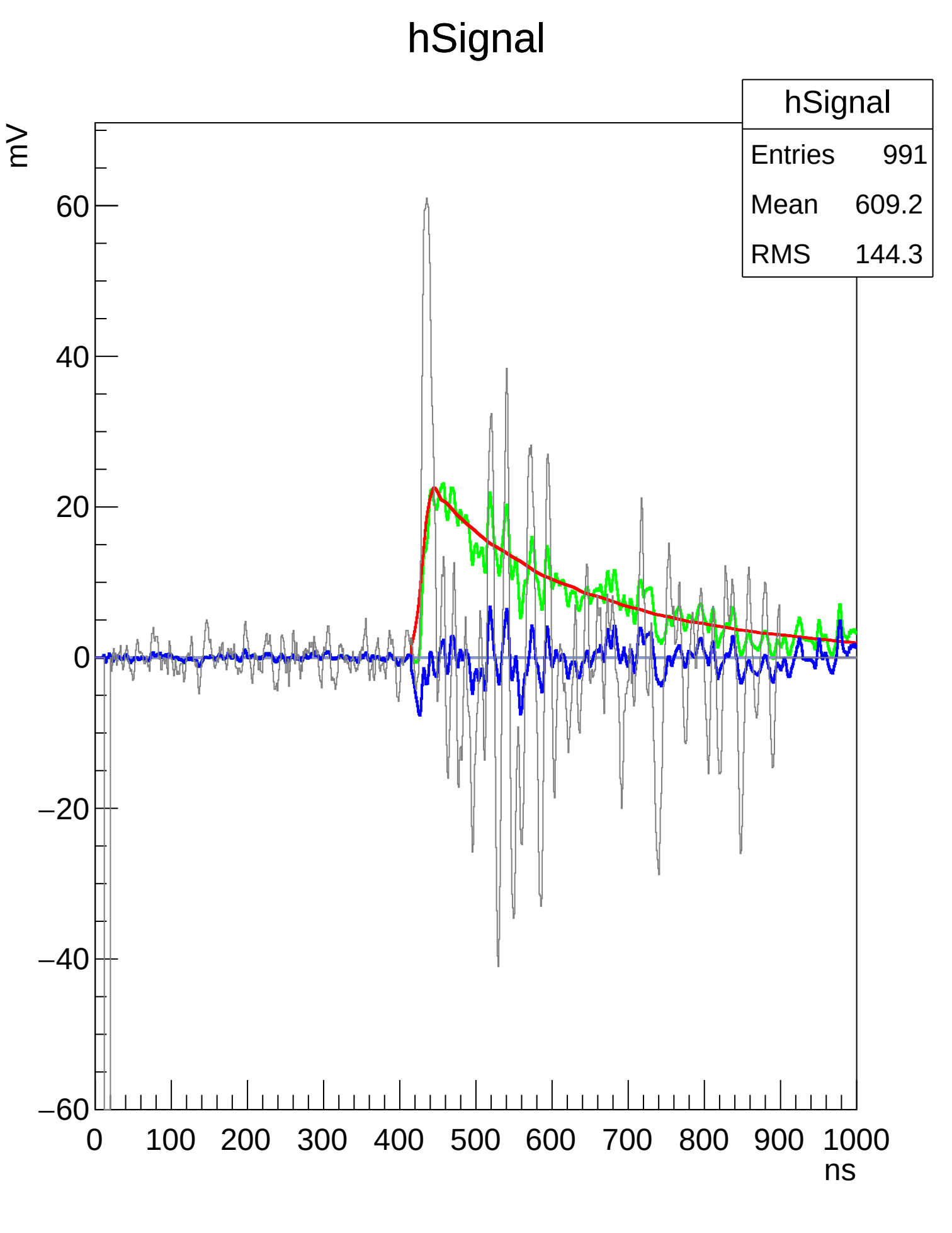
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 144.3
mV
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600
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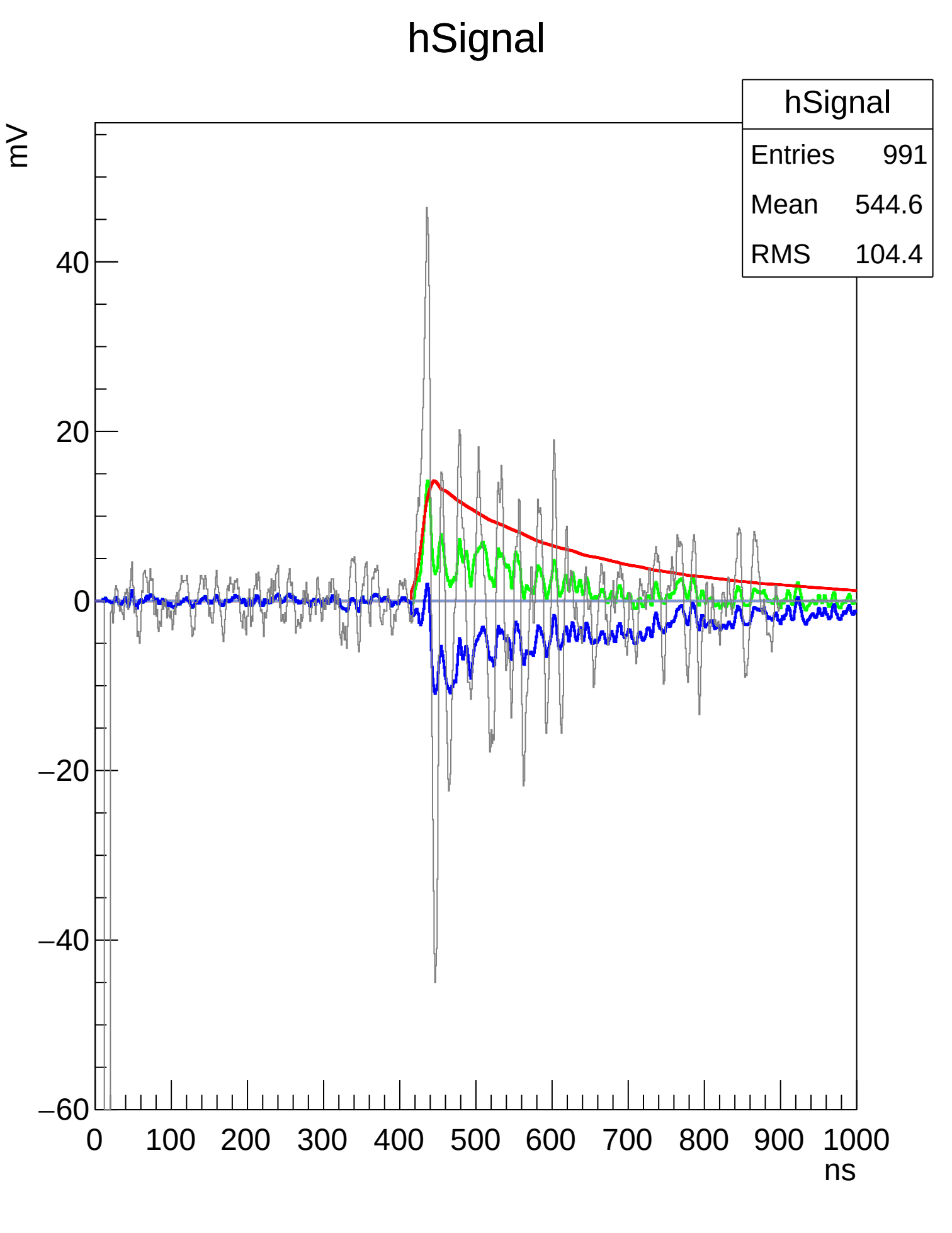
1000
ns


hSignal
hSignal
Entries 991
Mean 544.6
RMS 104.4
mV
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−20
−40
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0
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700
800
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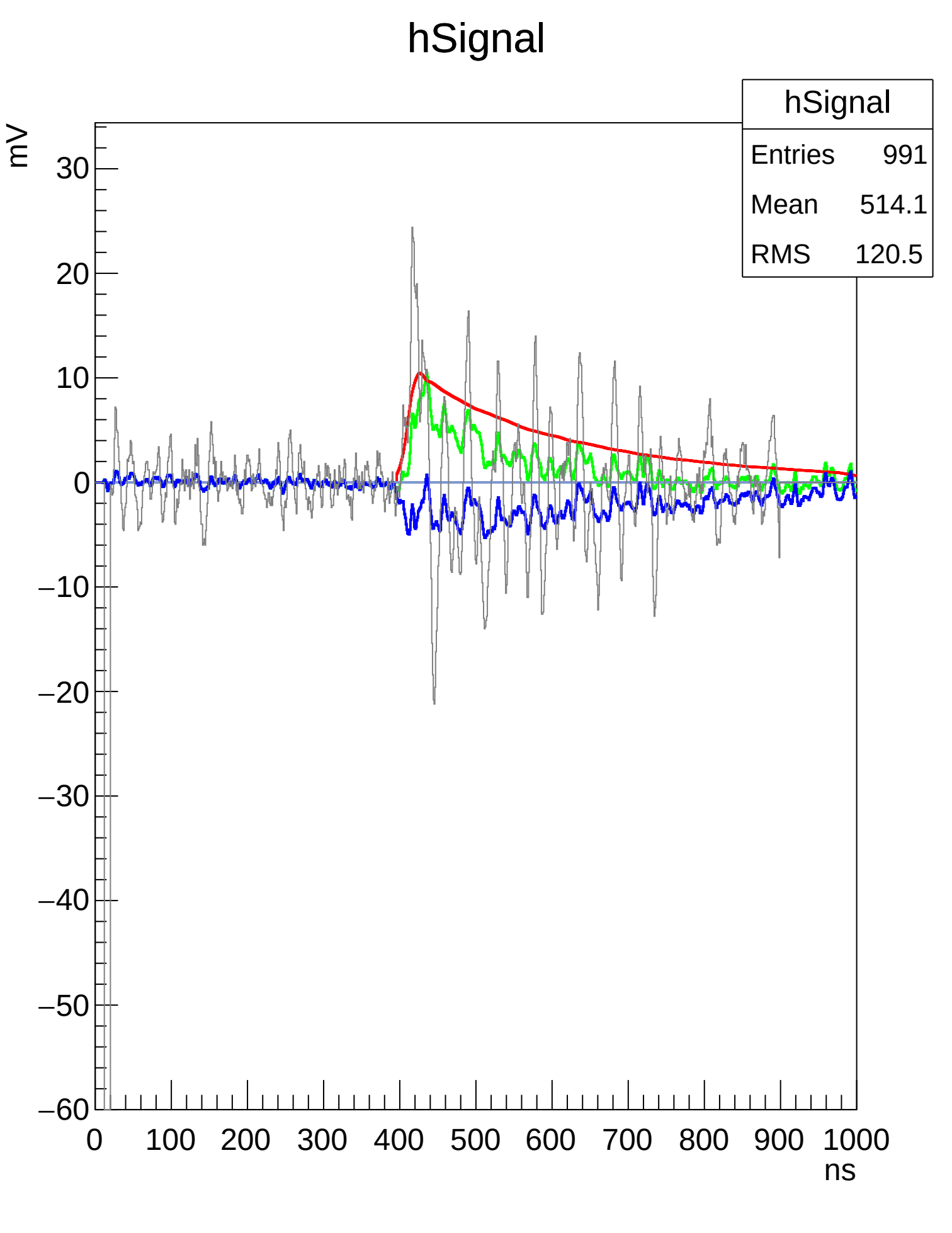
1000
ns


hSignal
hSignal
Entries 991
Mean 514.1
RMS 120.5
mV
30
20
10
0
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200
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400
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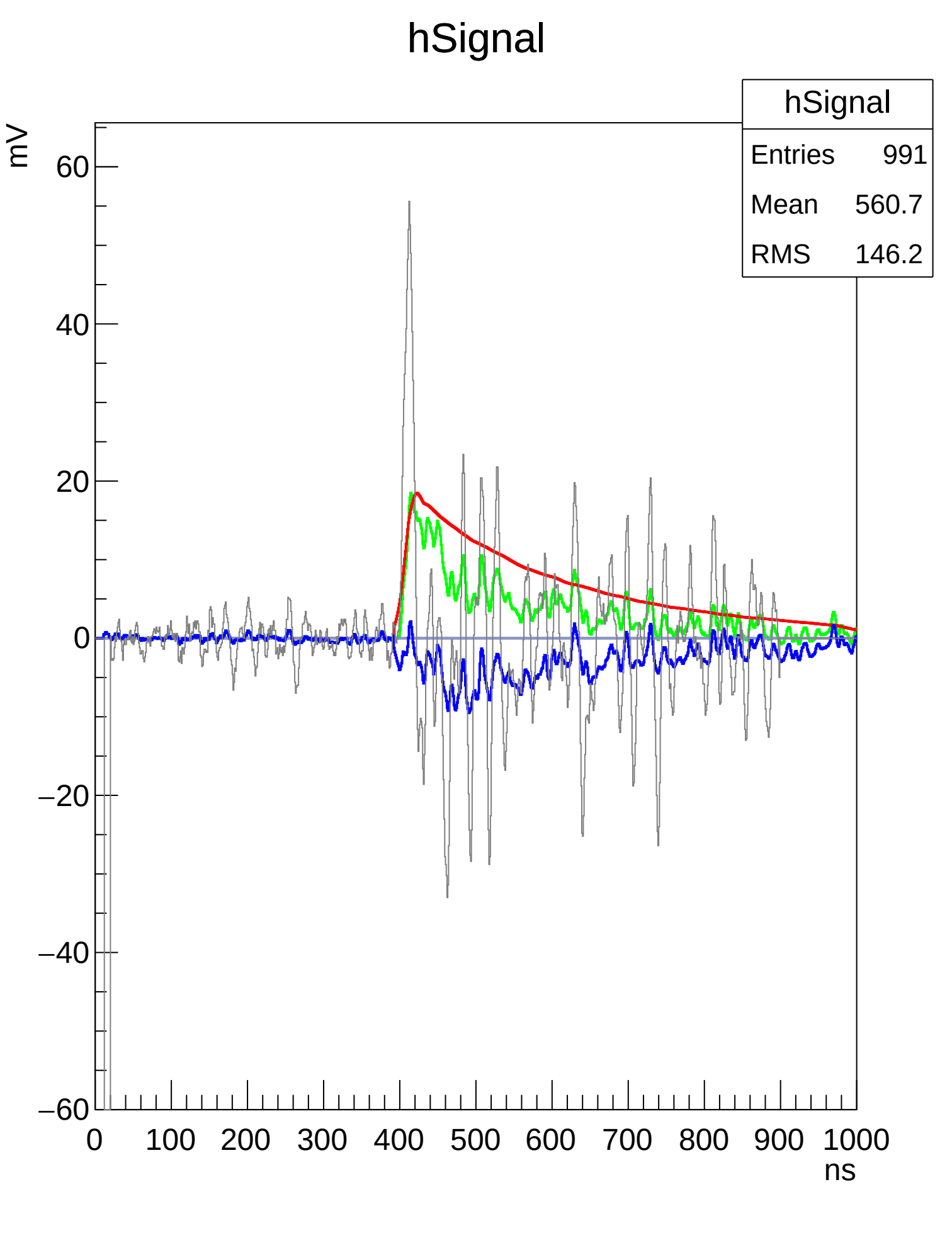
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.7
RMS 146.2
mV
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40
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−20
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0
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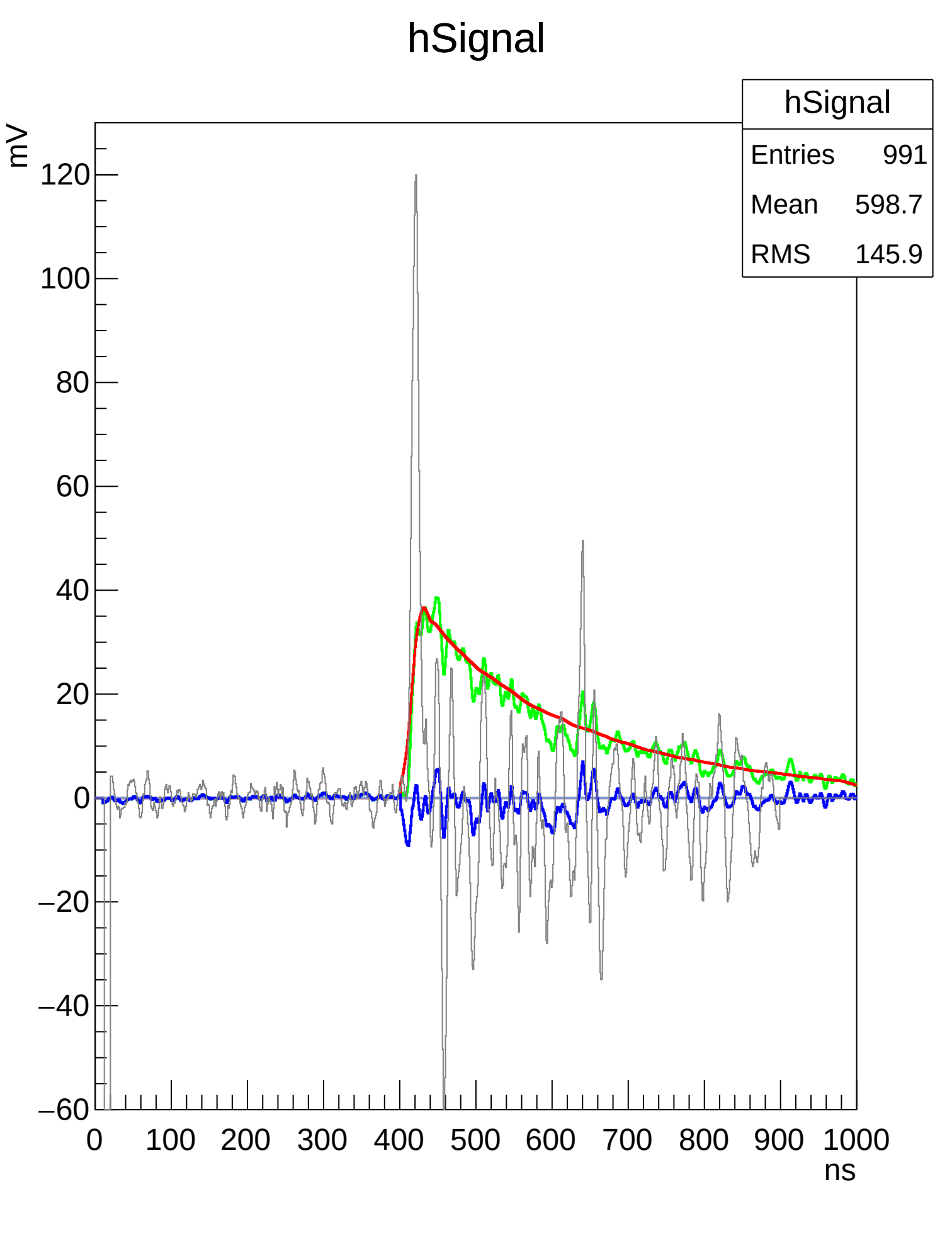
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.7
RMS 145.9
mV
120
100
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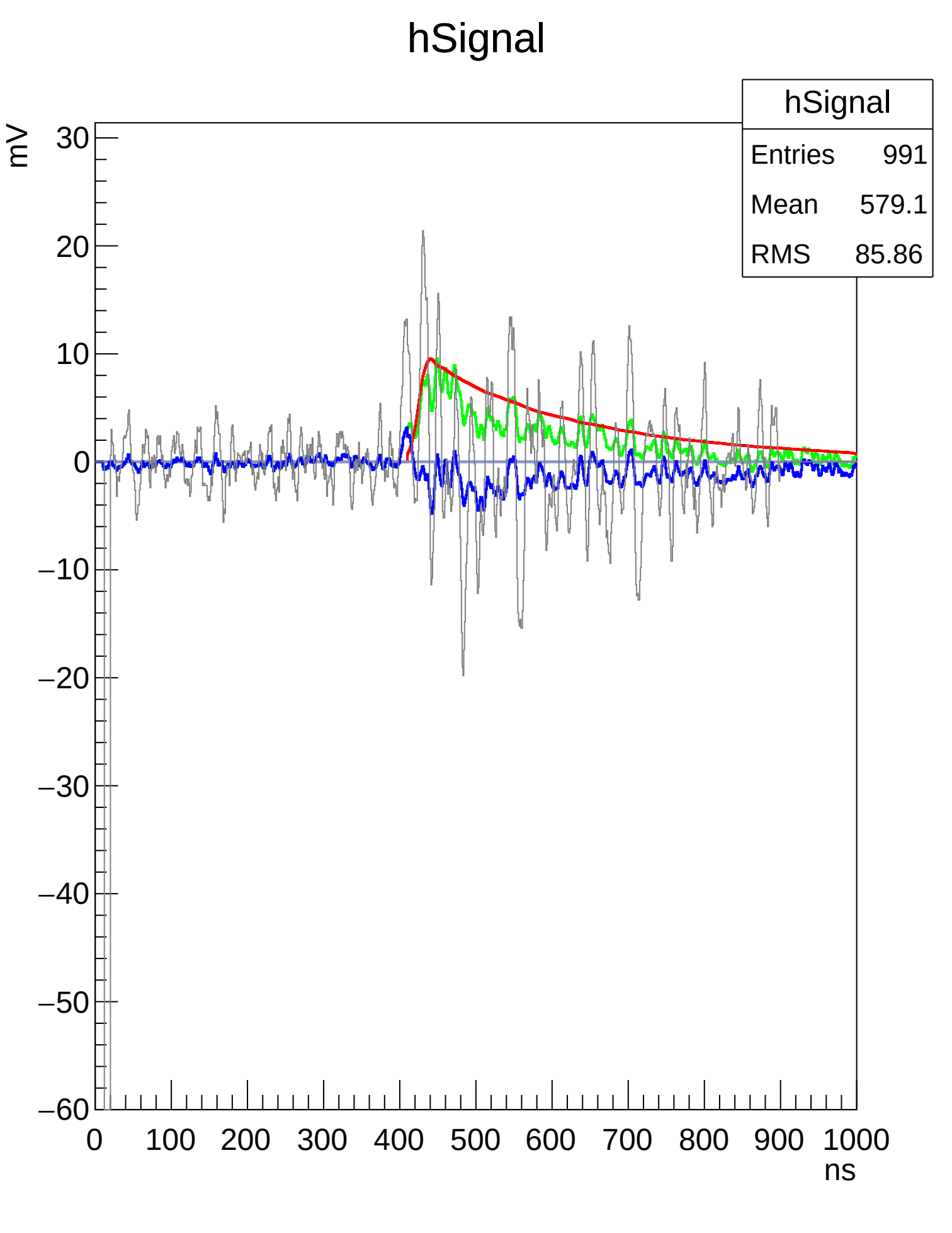
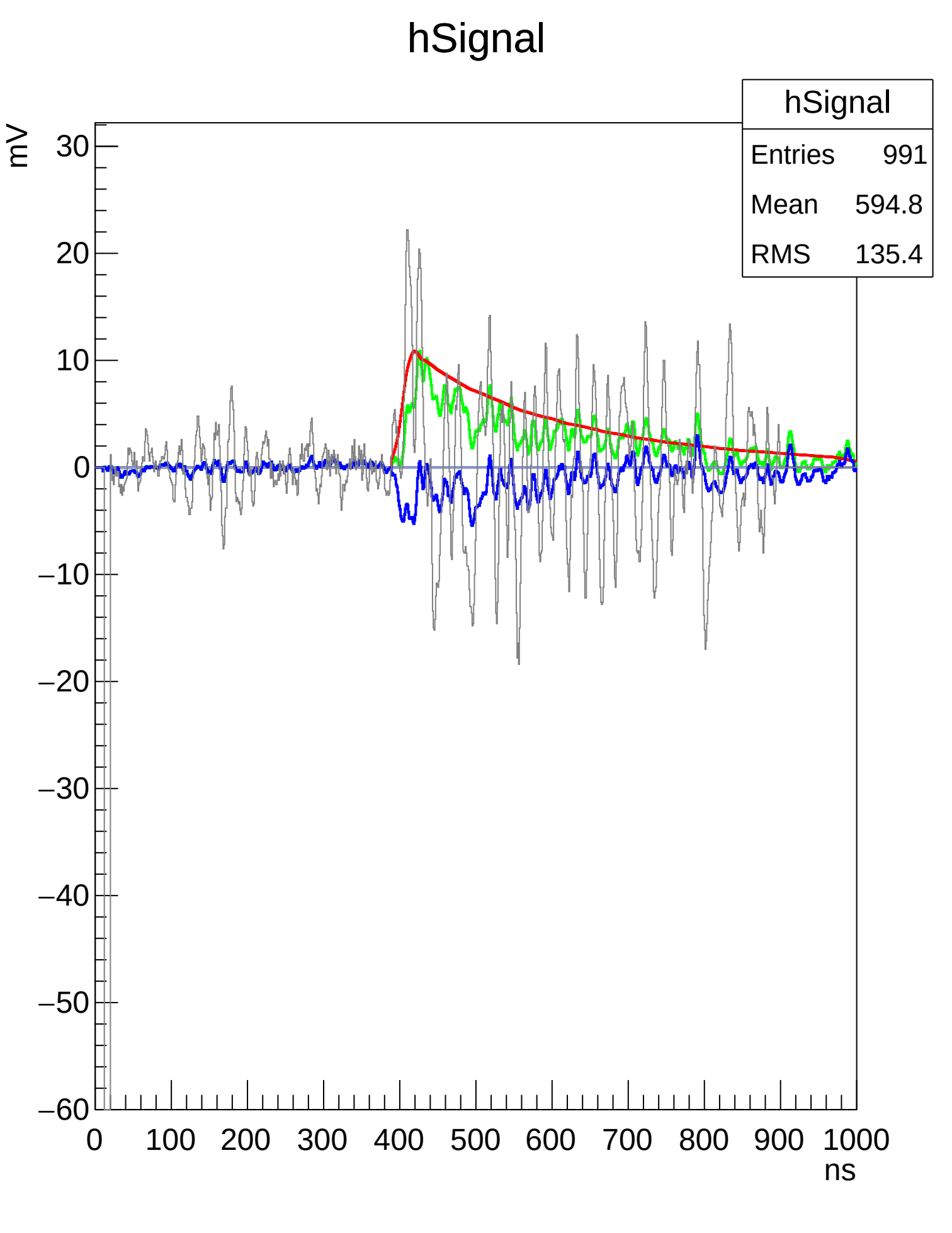
1000
ns


hSignal
hSignal
Entries 991
Mean 579.1
RMS 85.86
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.8
RMS 135.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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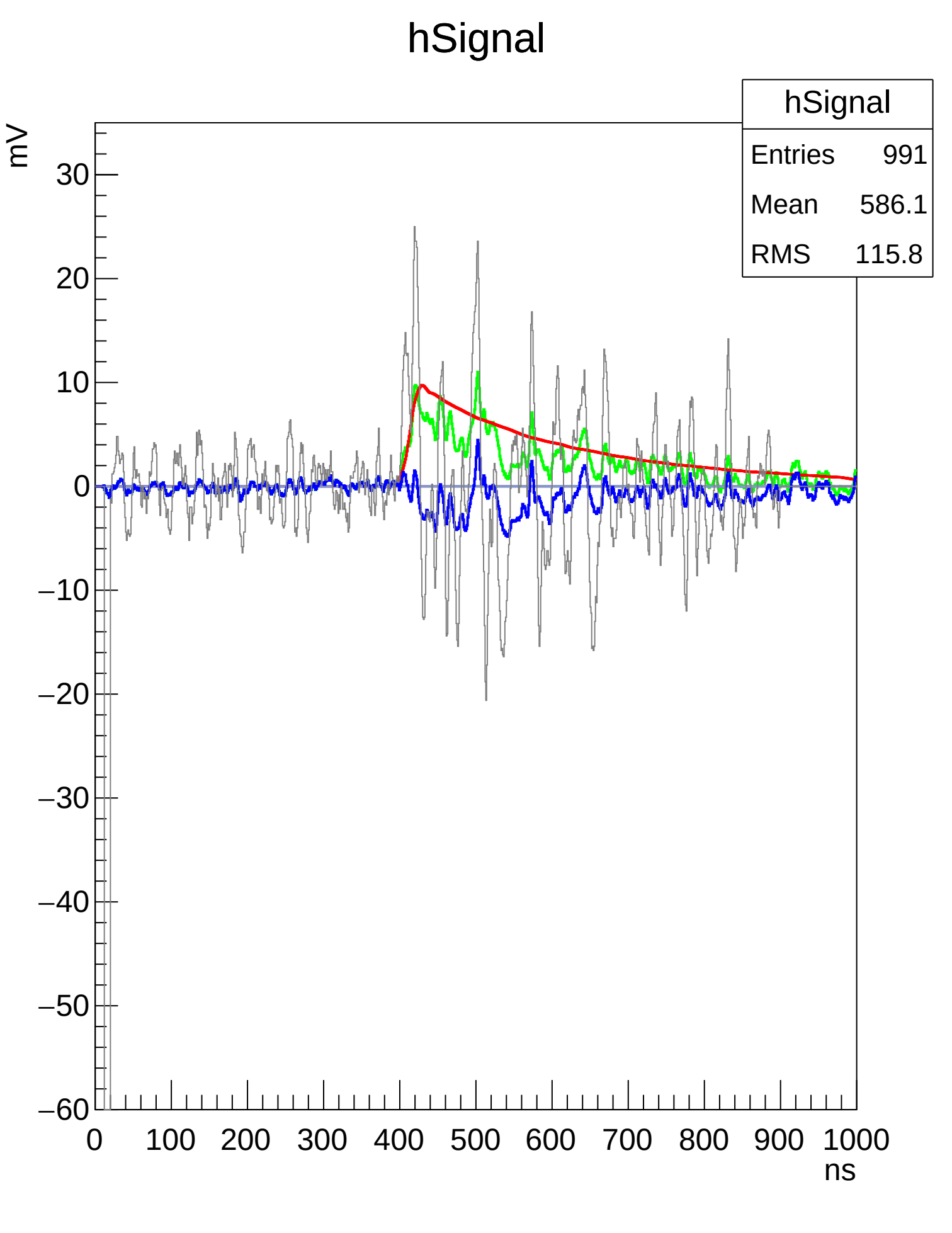
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.1
RMS 115.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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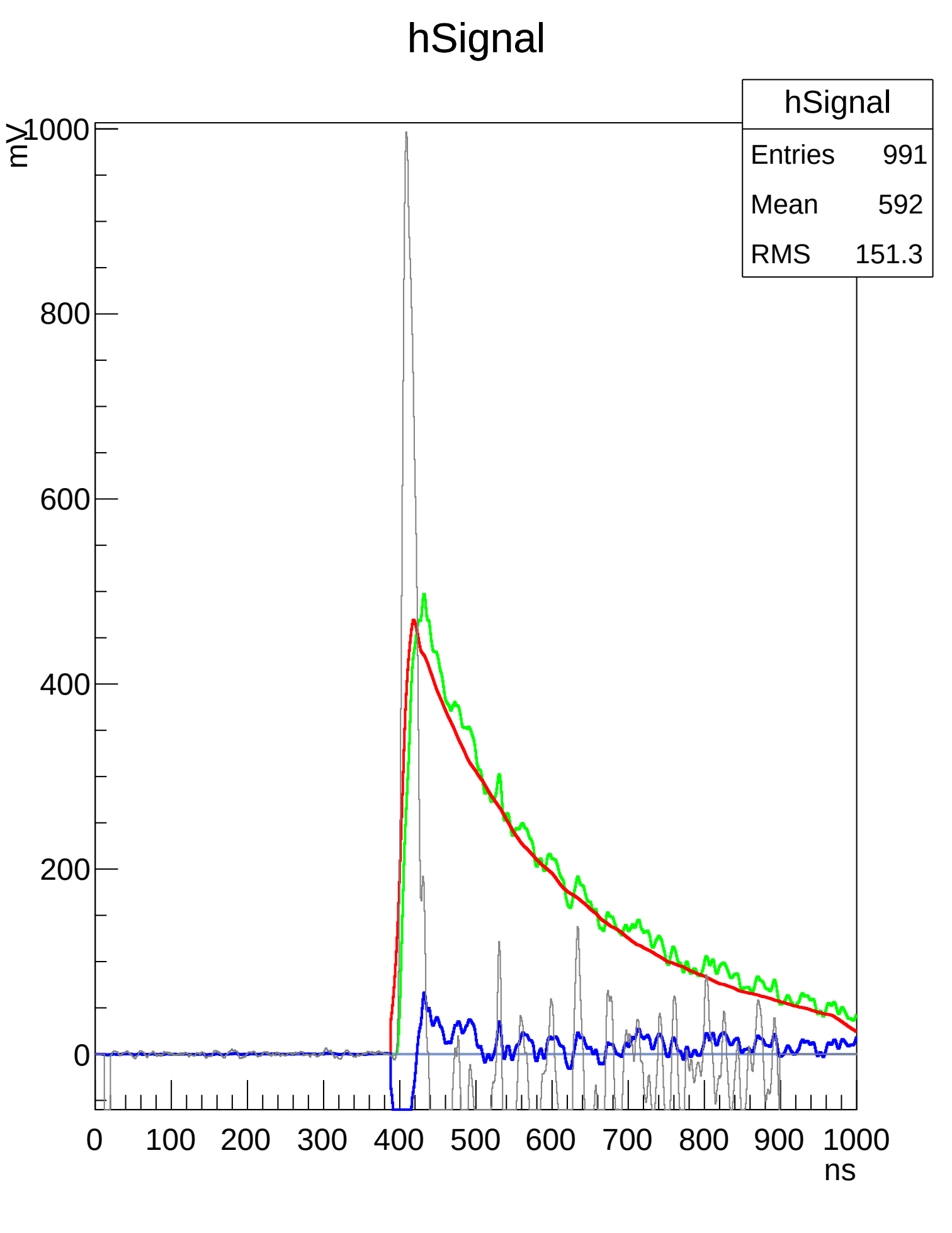
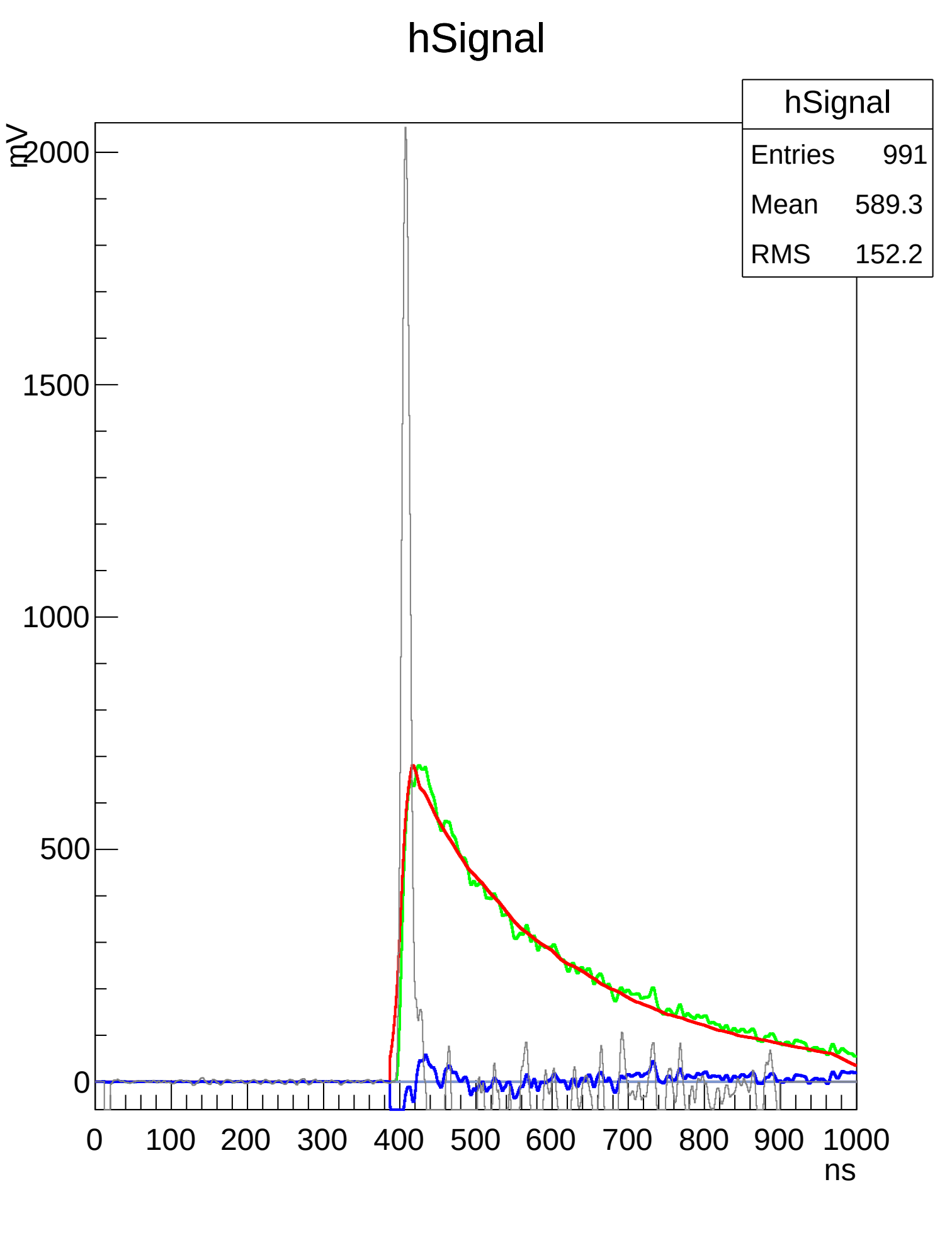
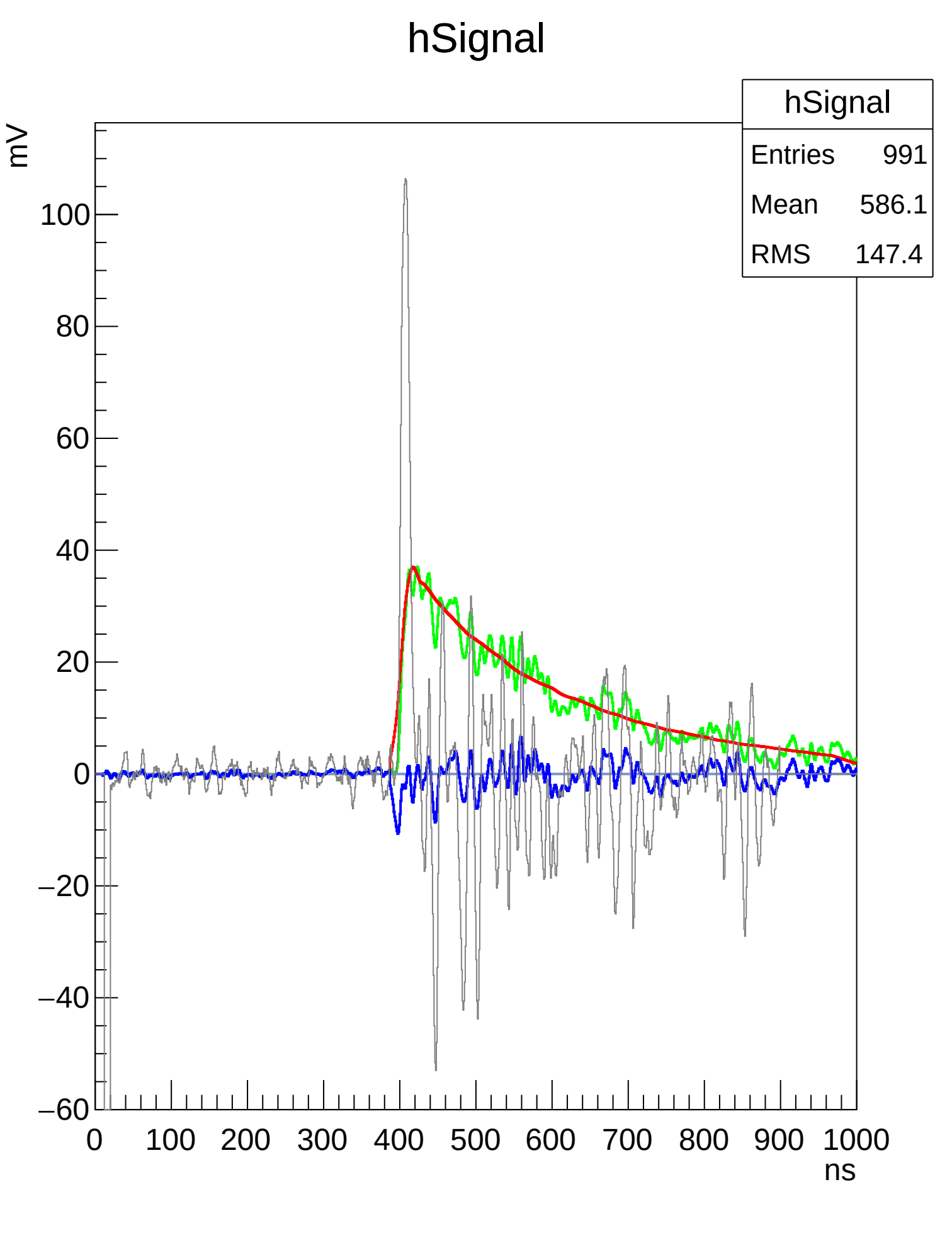
1000
ns


hSignal
hSignal
Entries 991
Mean 592
RMS 151.3
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.3
RMS 152.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.1
RMS 147.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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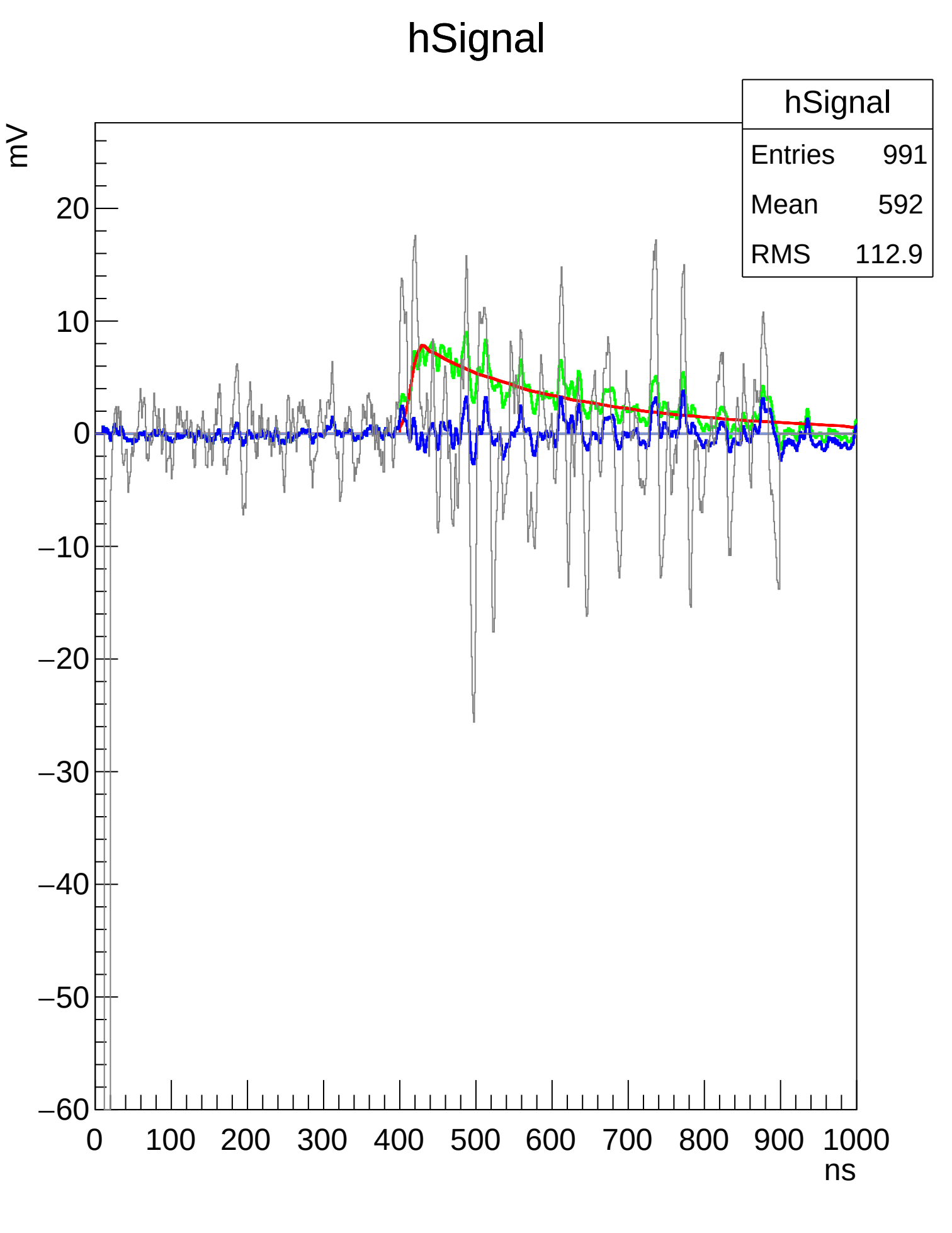
1000
ns


hSignal
hSignal
Entries 991
Mean 592
RMS 112.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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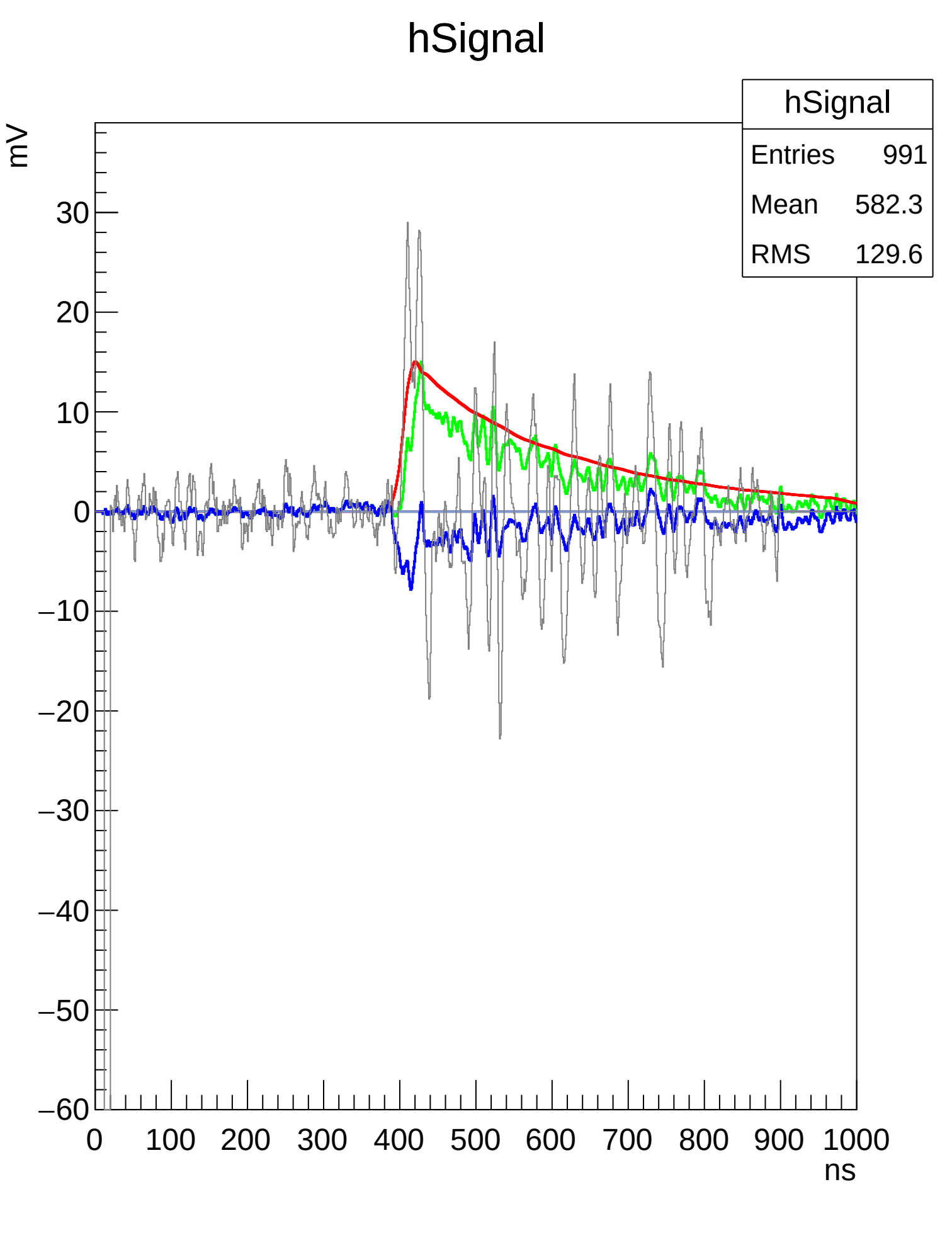
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.3
RMS 129.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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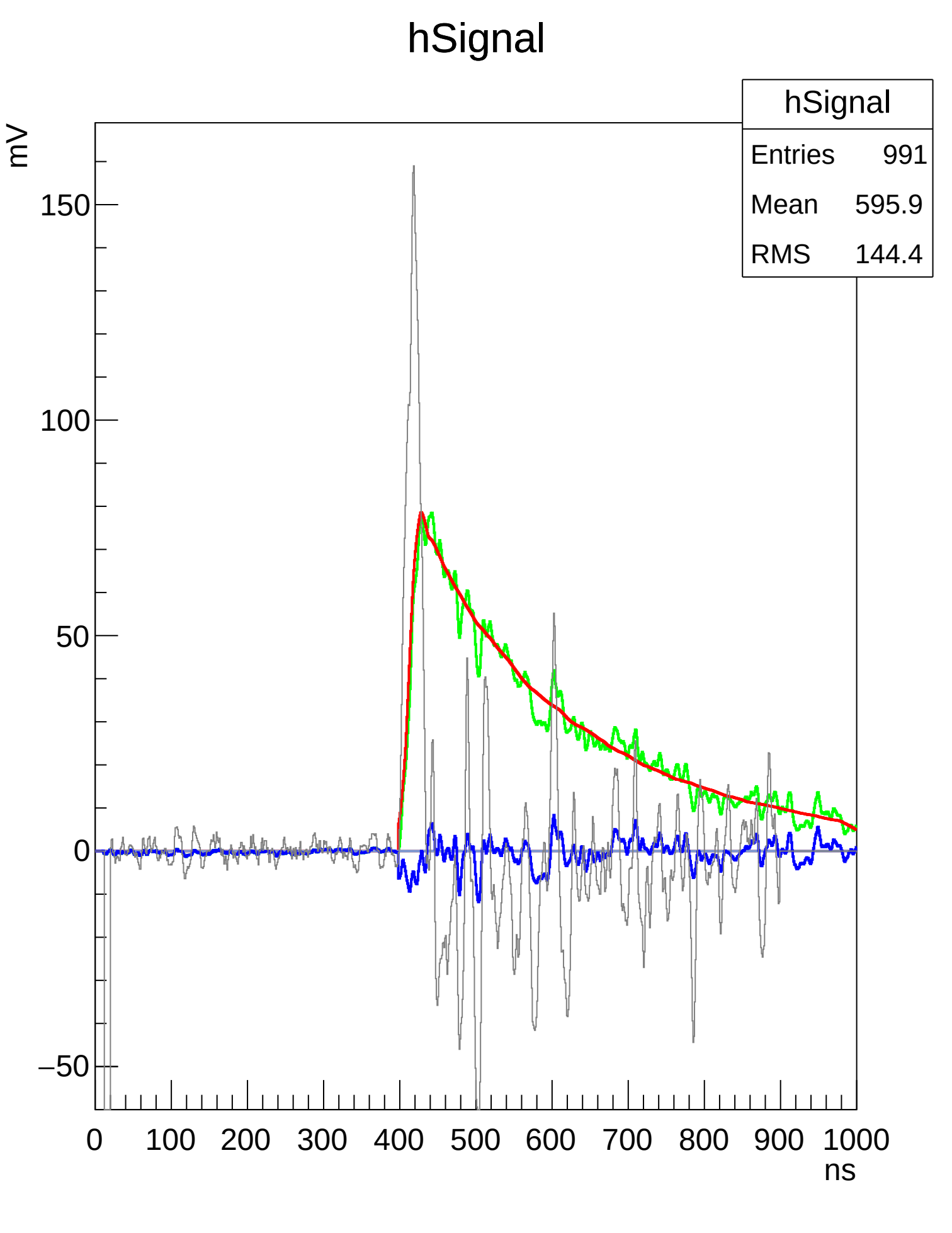
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.9
RMS 144.4
mV
150
100
50
0
−50
0
100
200
300
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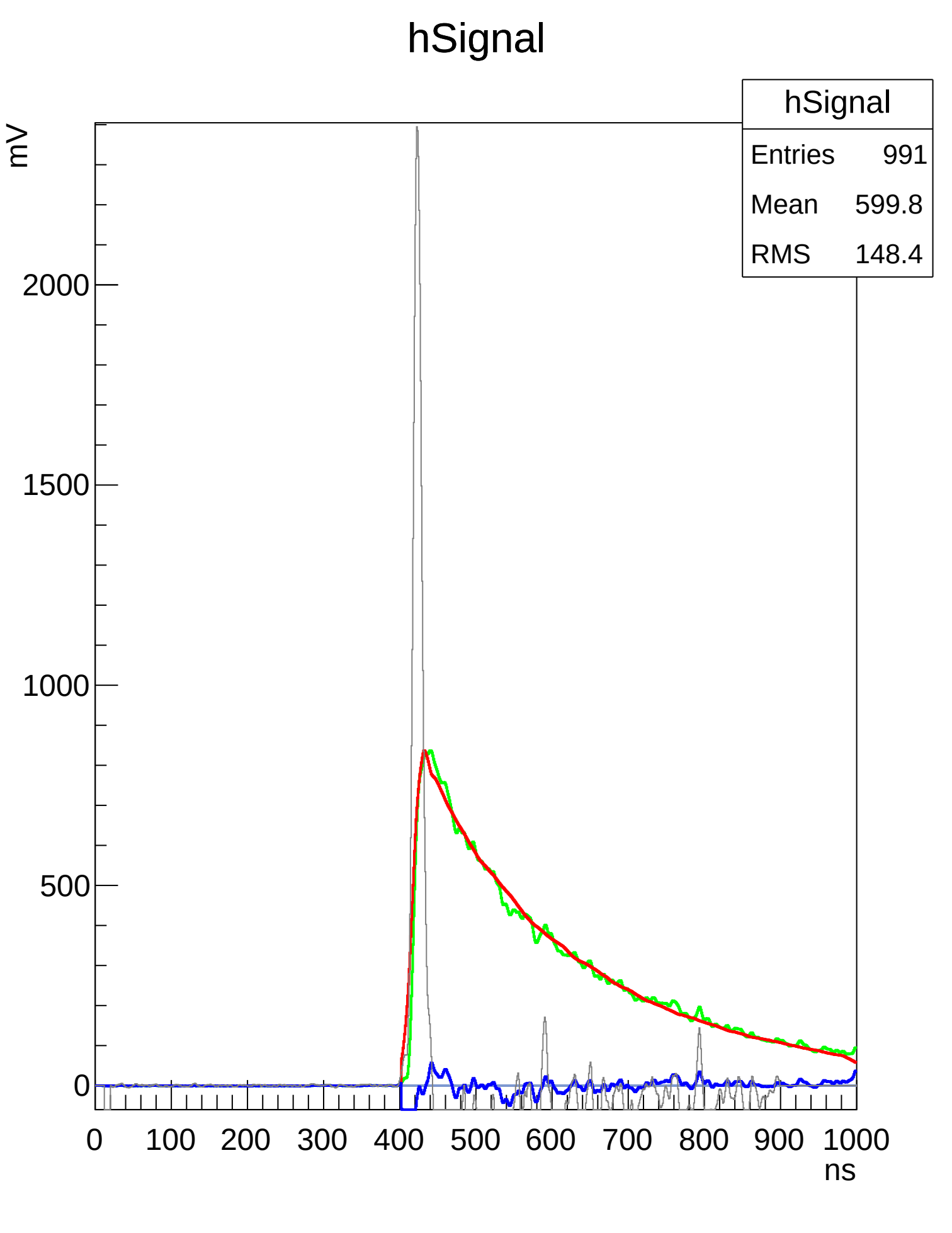
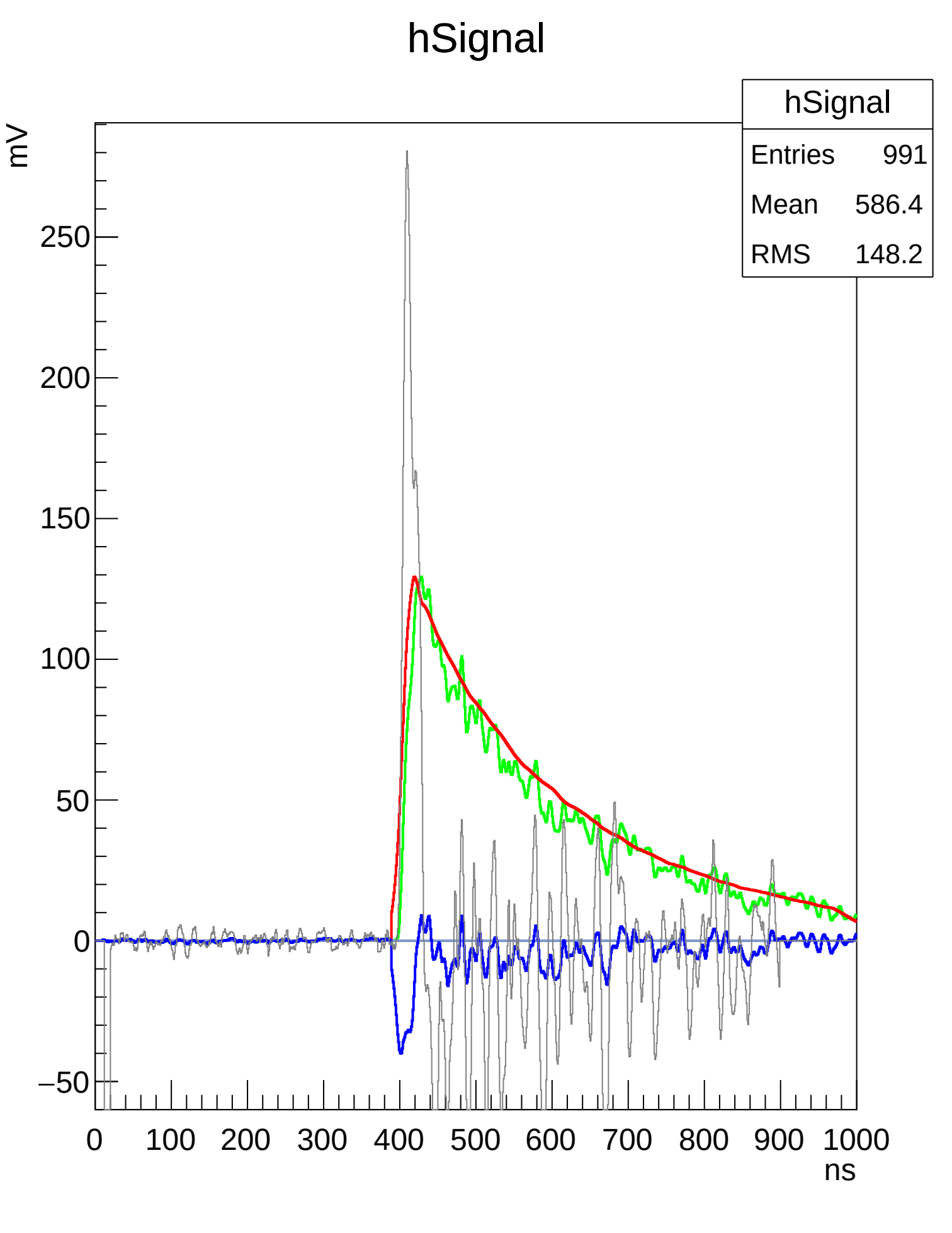
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.8
RMS 148.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 586.4
RMS 148.2
mV
250
200
150
100
50
0
−50
0
100
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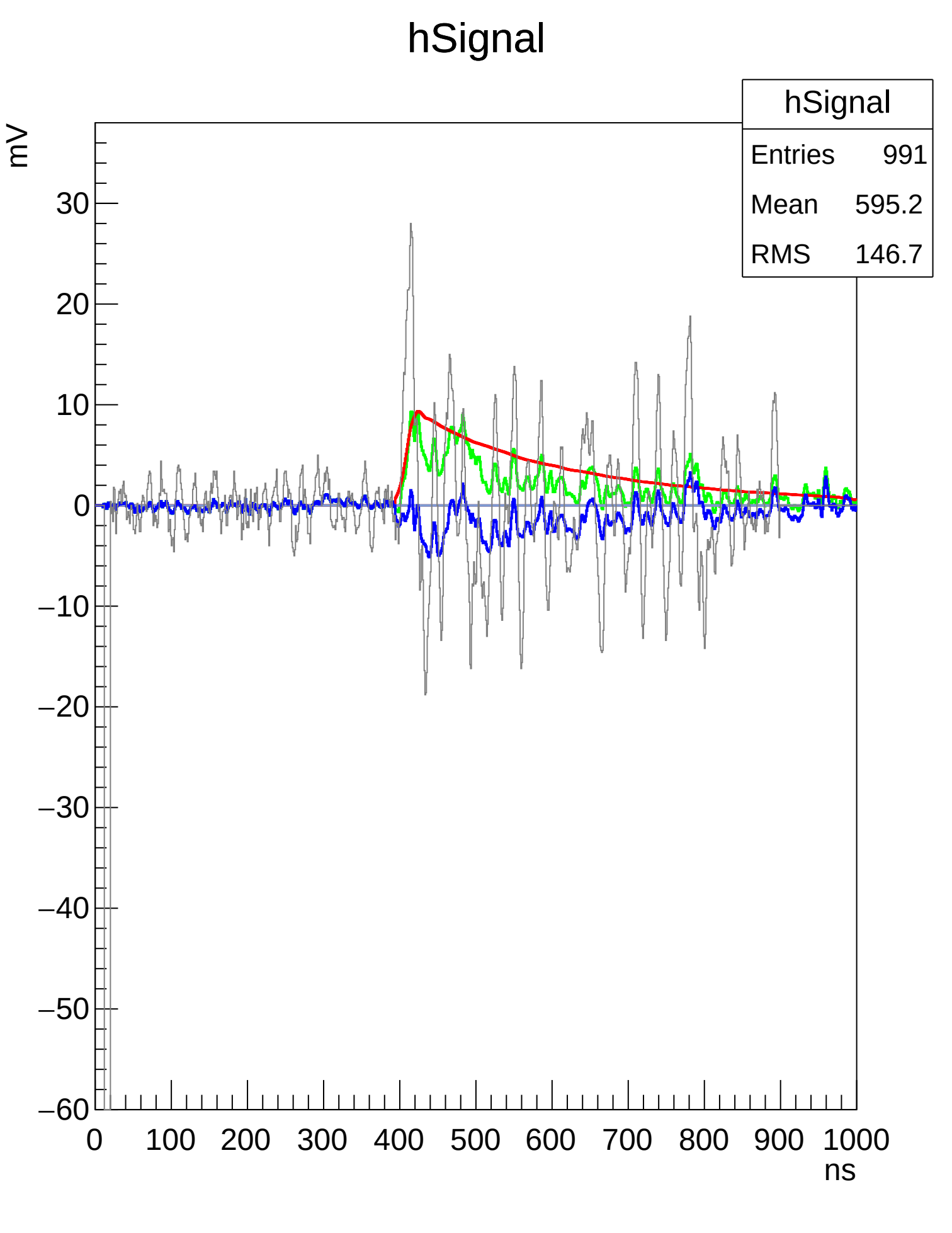
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.2
RMS 146.7
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
500
600
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800
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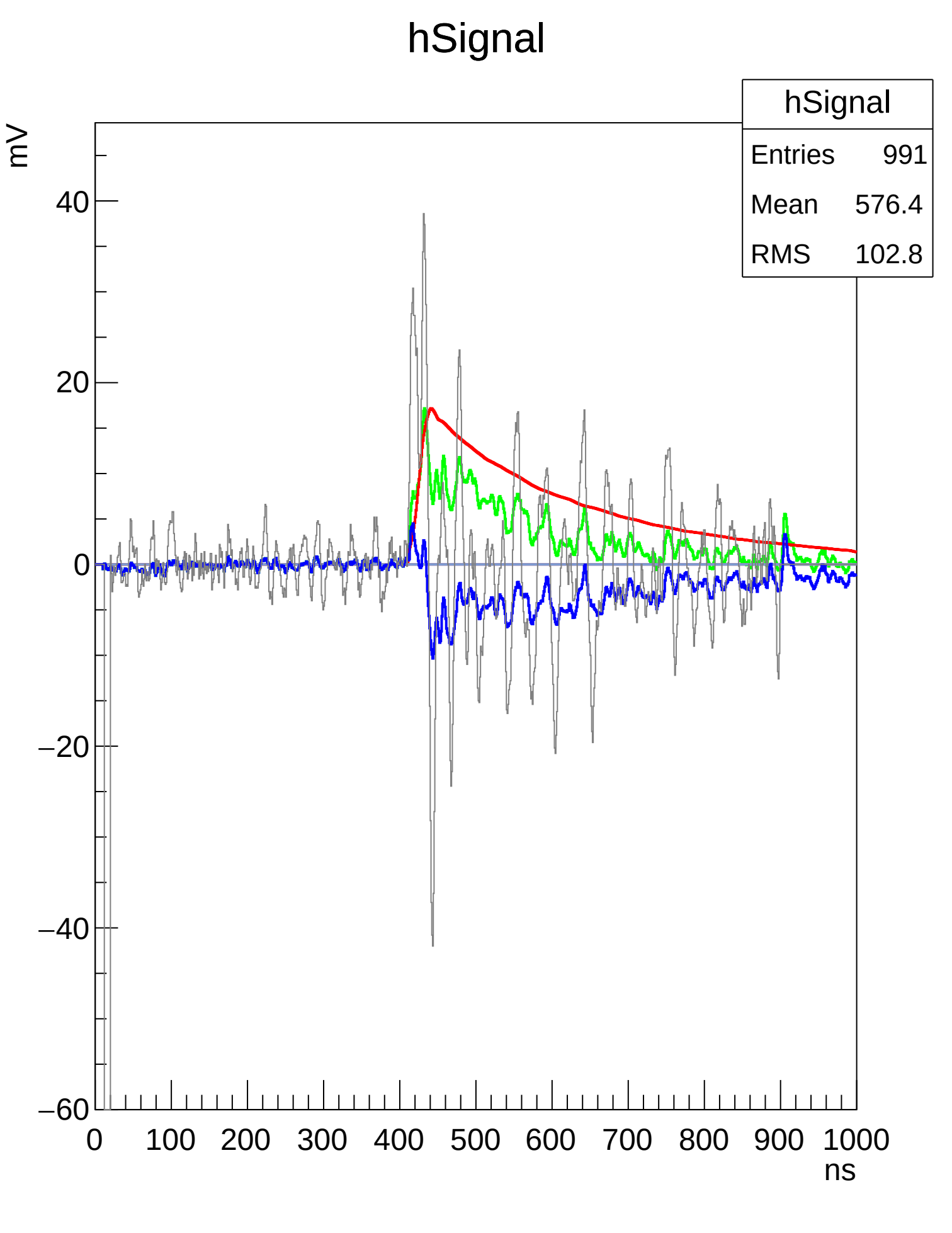
1000
ns


hSignal
hSignal
Entries 991
Mean 576.4
RMS 102.8
mV
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−20
−40
−60
0
100
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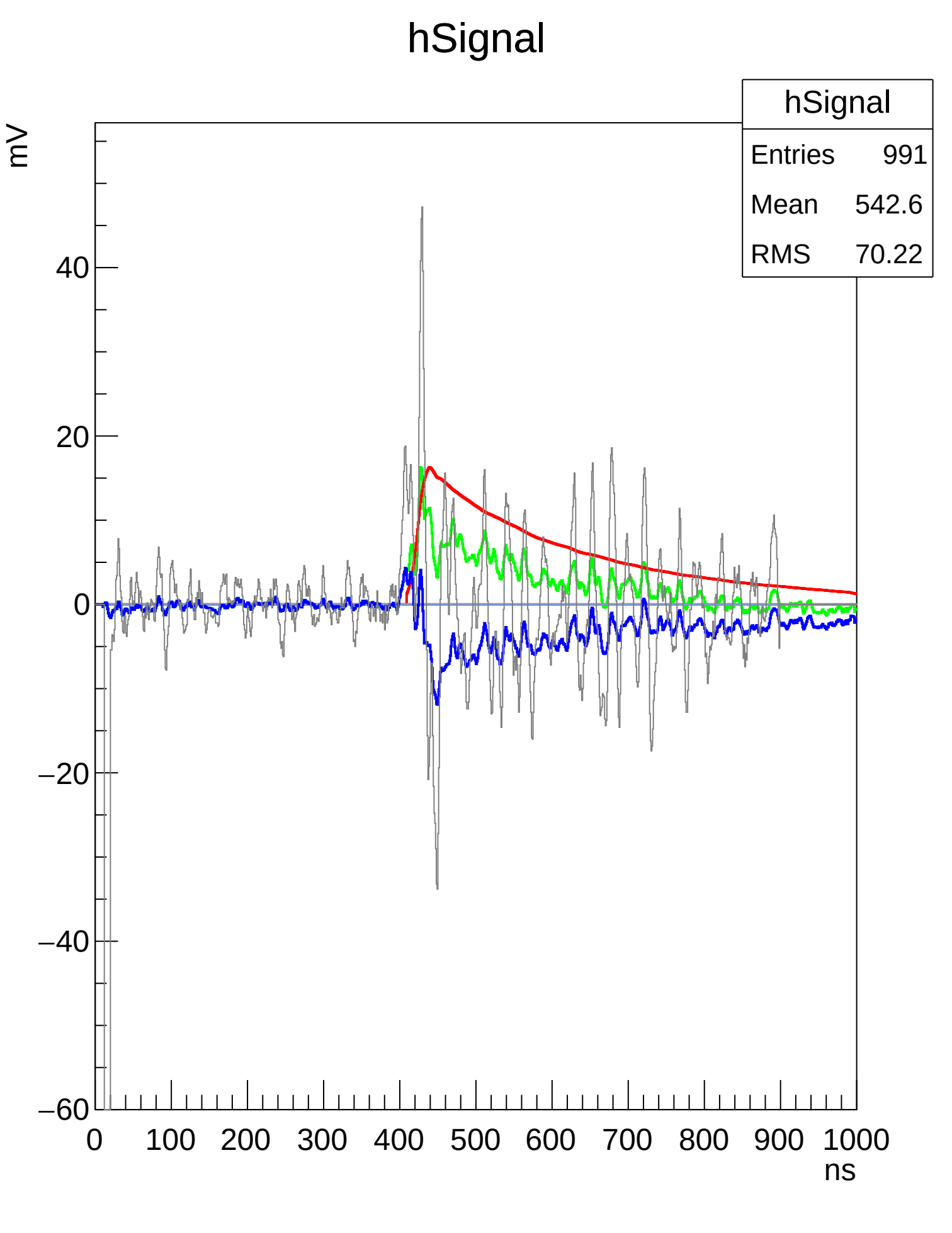
1000
ns


hSignal
hSignal
Entries 991
Mean 542.6
RMS 70.22
mV
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−20
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0
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1000
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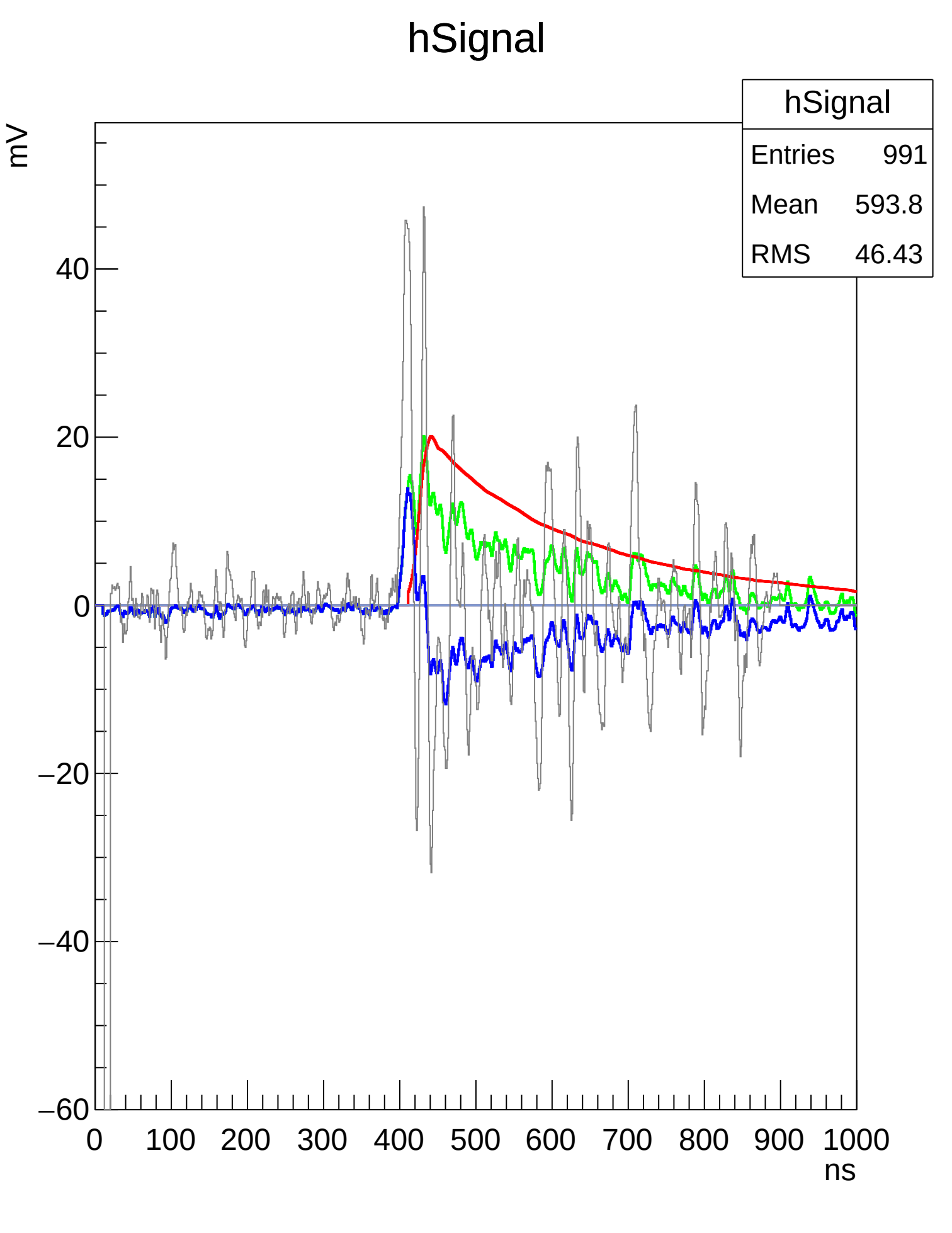
hSignal
hSignal
Entries 991
Mean 593.8
RMS 46.43
mV
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0
−20
−40
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0
100
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600
700
800
900
1000
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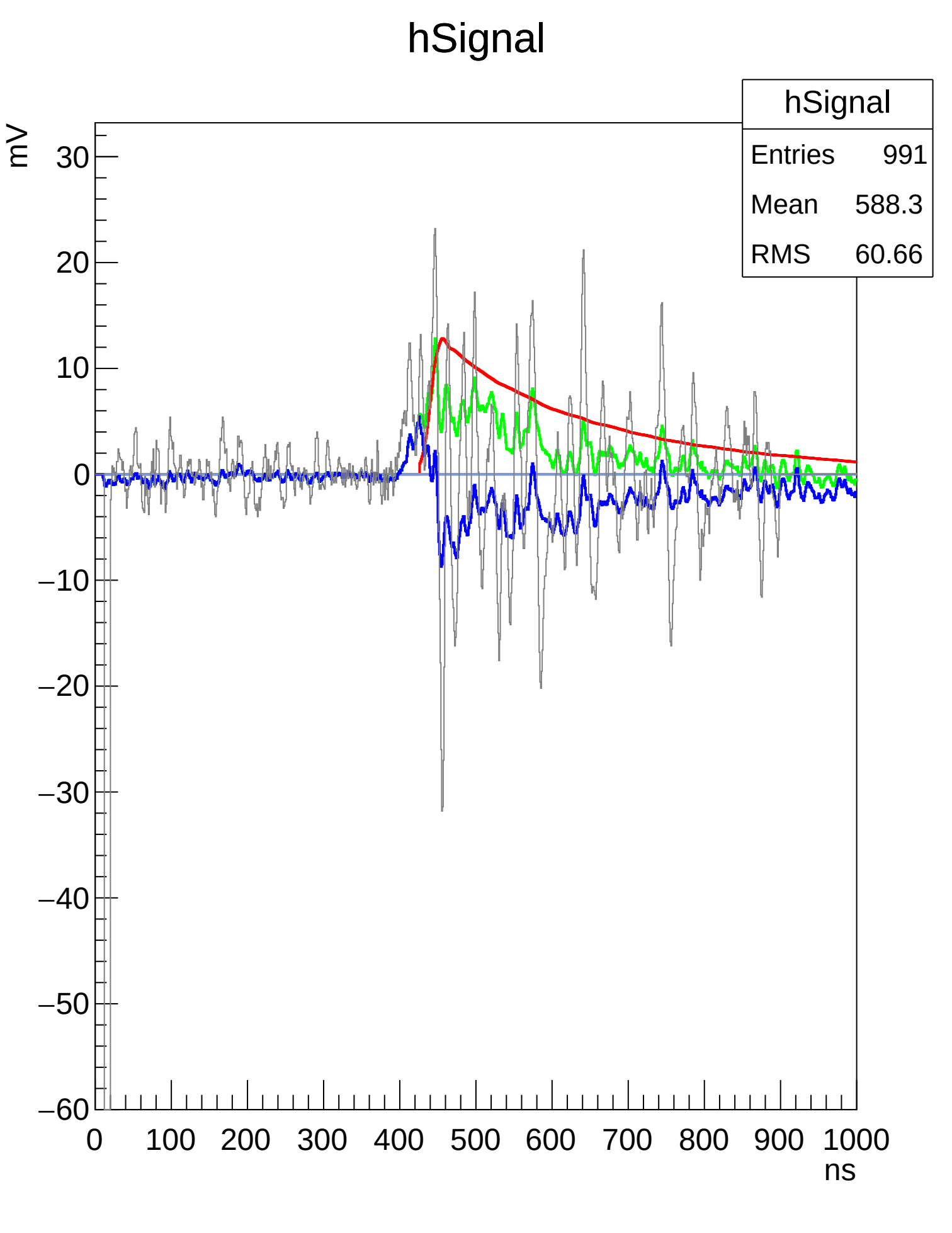
hSignal
hSignal
Entries 991
Mean 588.3
RMS 60.66
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
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800
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1000
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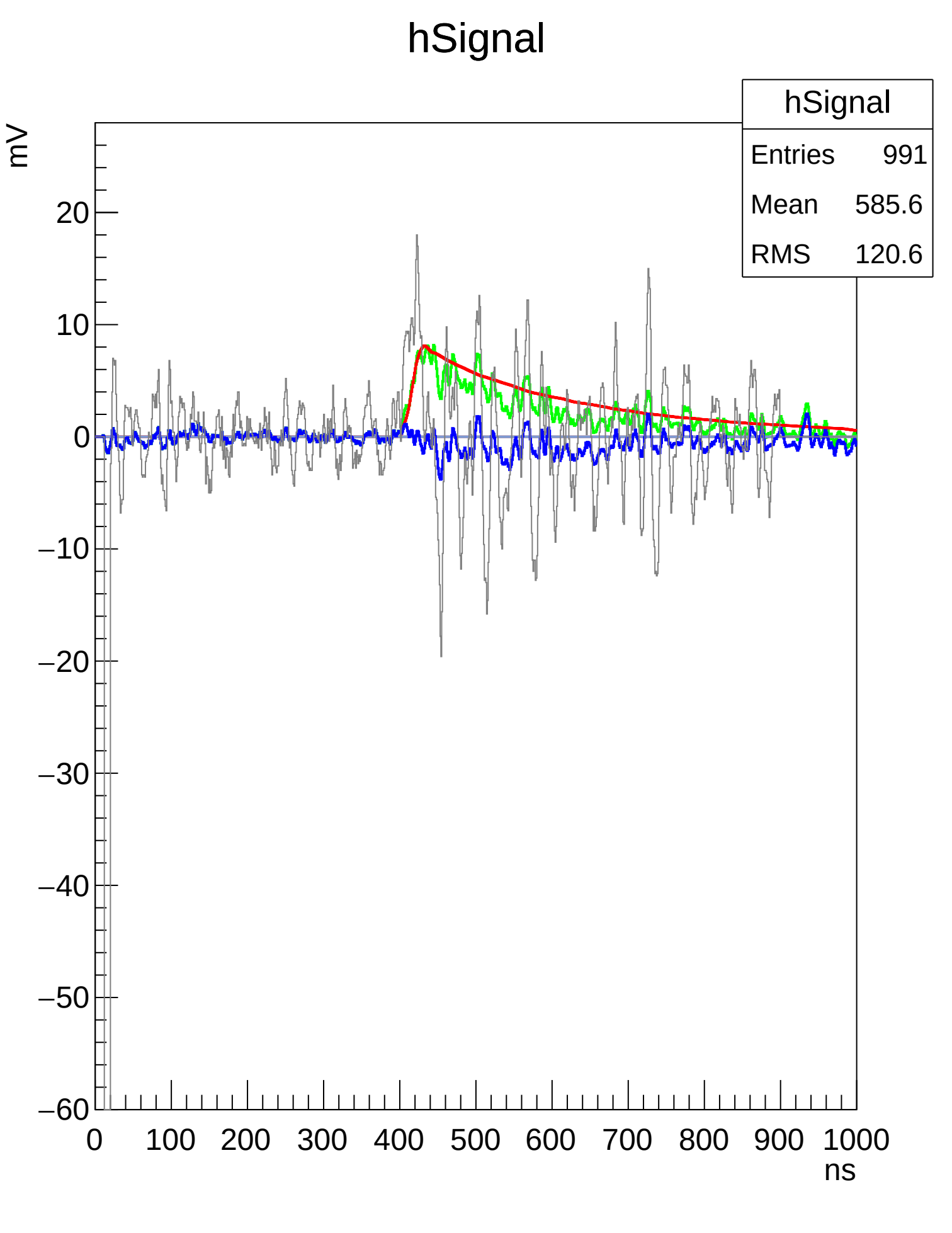
hSignal
hSignal
Entries 991
Mean 585.6
RMS 120.6
mV
20
10
0
−10
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−40
−50
−60
0
100
200
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400
500
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800
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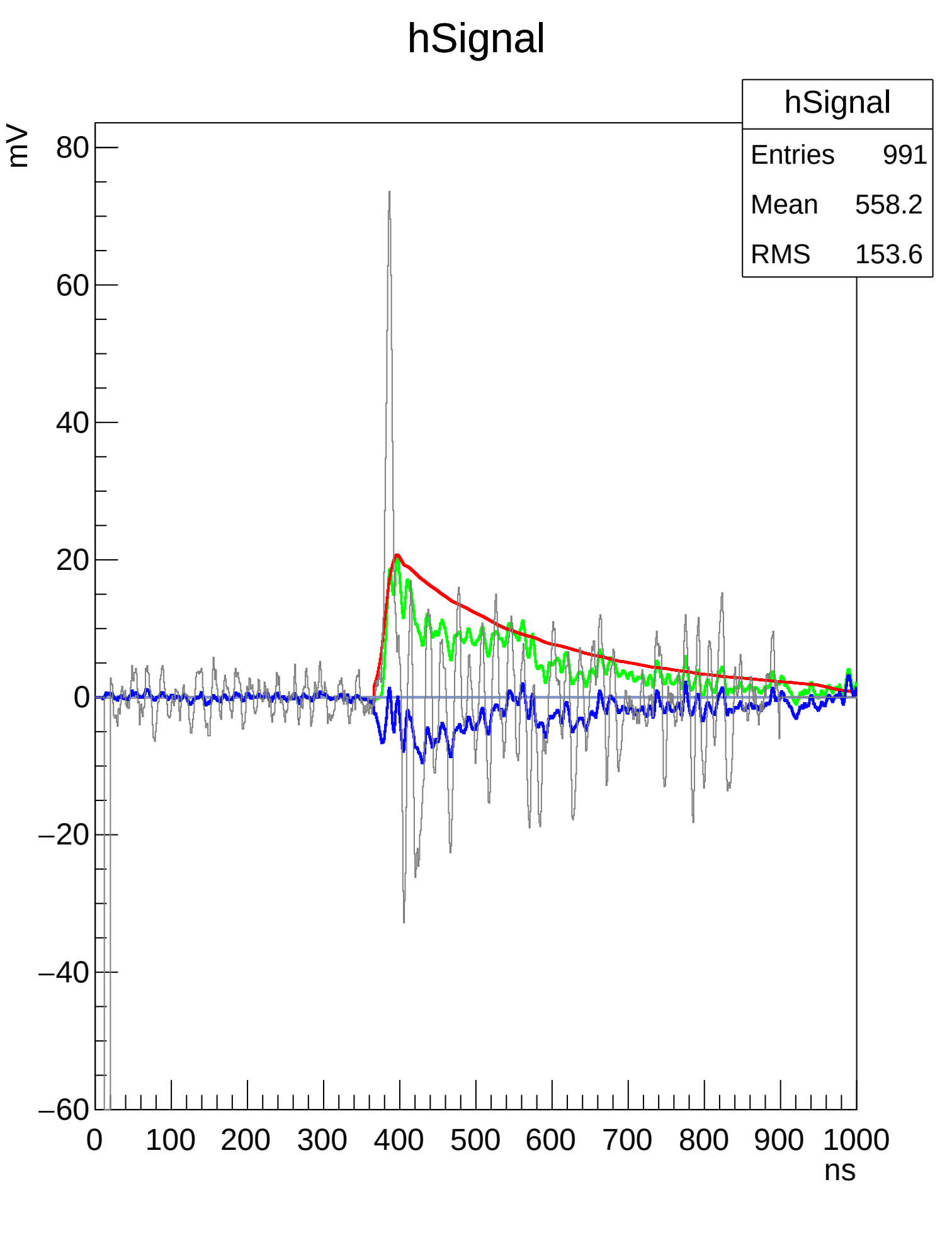
1000
ns


hSignal
hSignal
Entries 991
Mean 558.2
RMS 153.6
mV
80
60
40
20
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−20
−40
−60
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600
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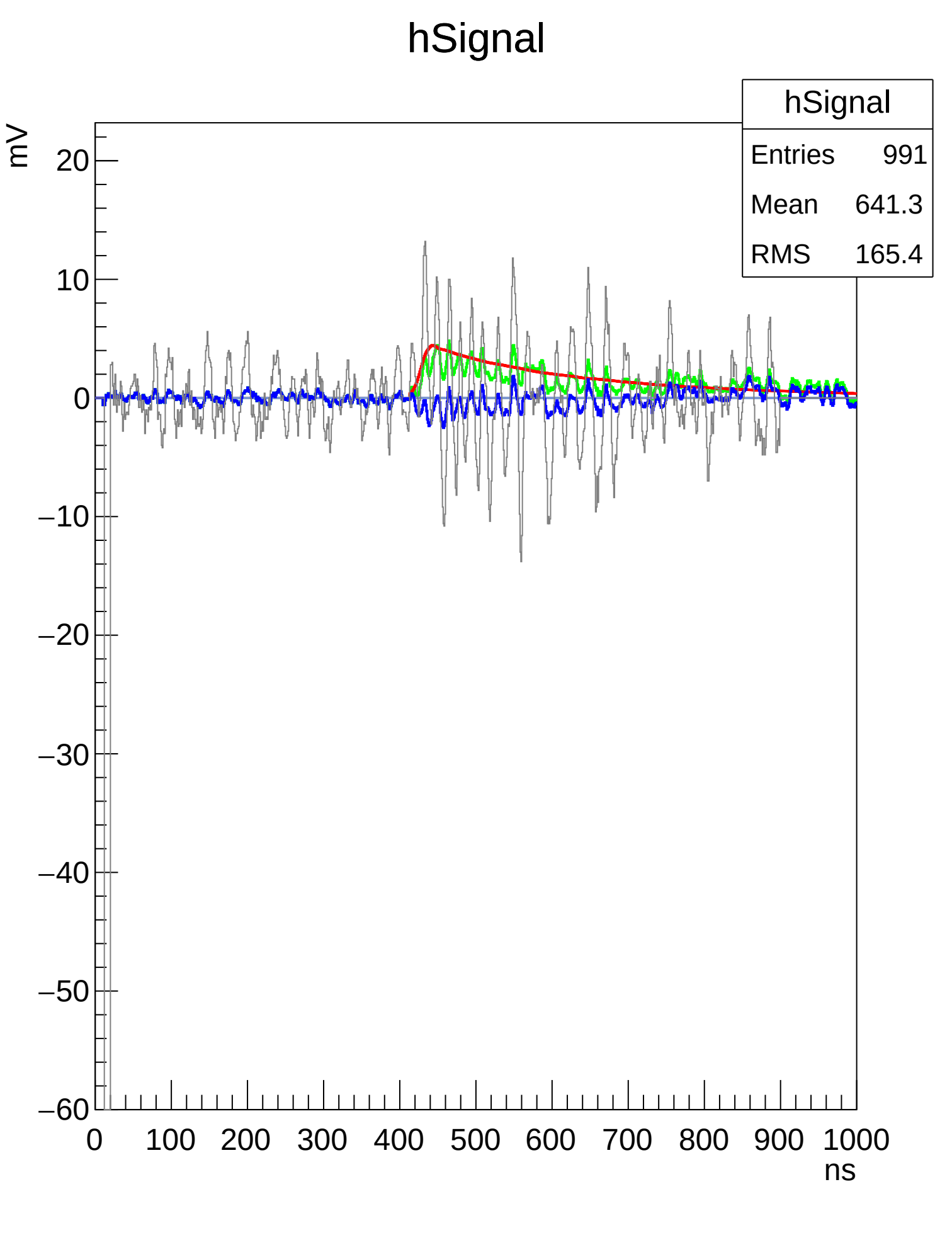
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 641.3
RMS 165.4
mV
20
10
0
−10
−20
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−40
−50
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0
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400
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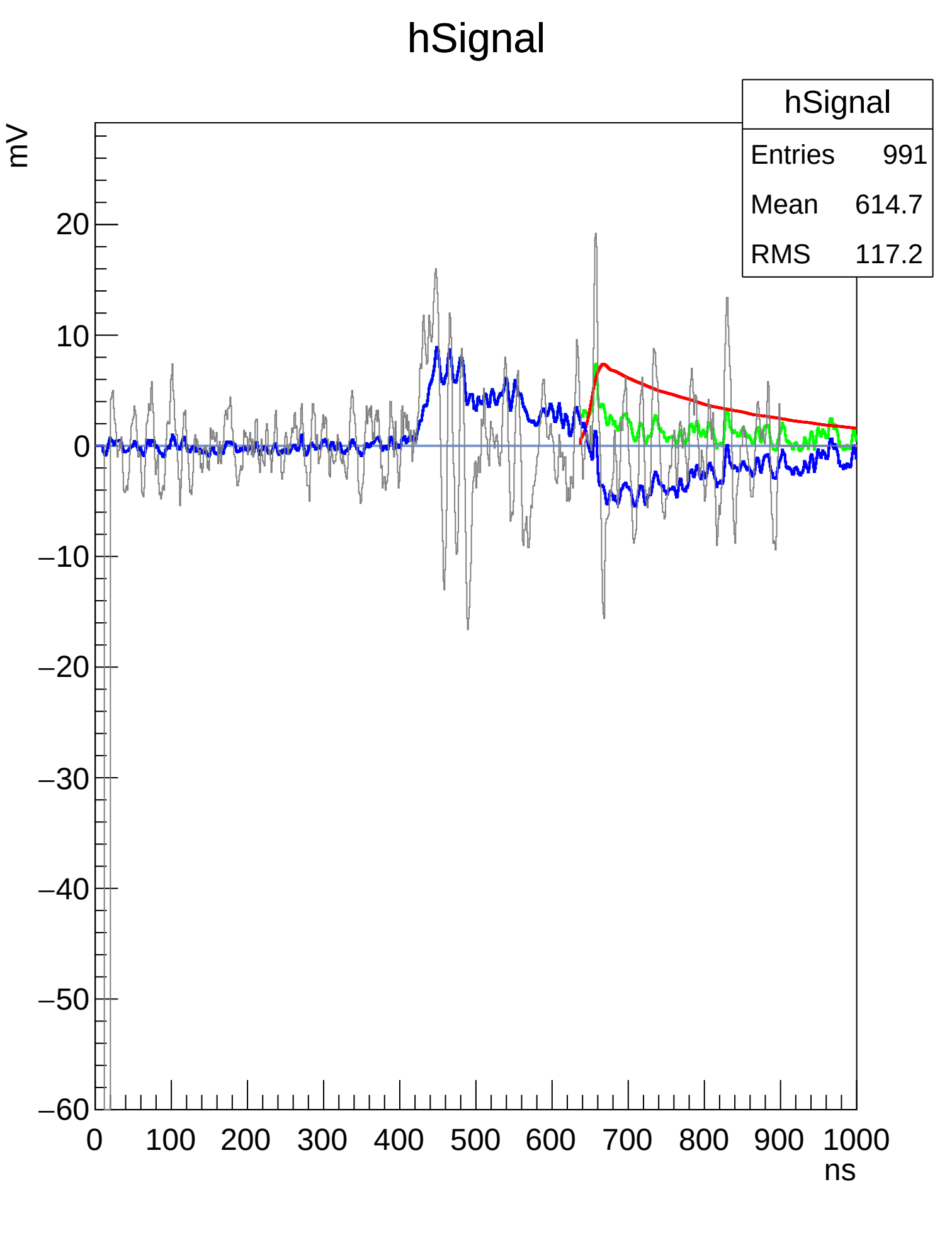
1000
ns


hSignal
hSignal
Entries 991
Mean 614.7
RMS 117.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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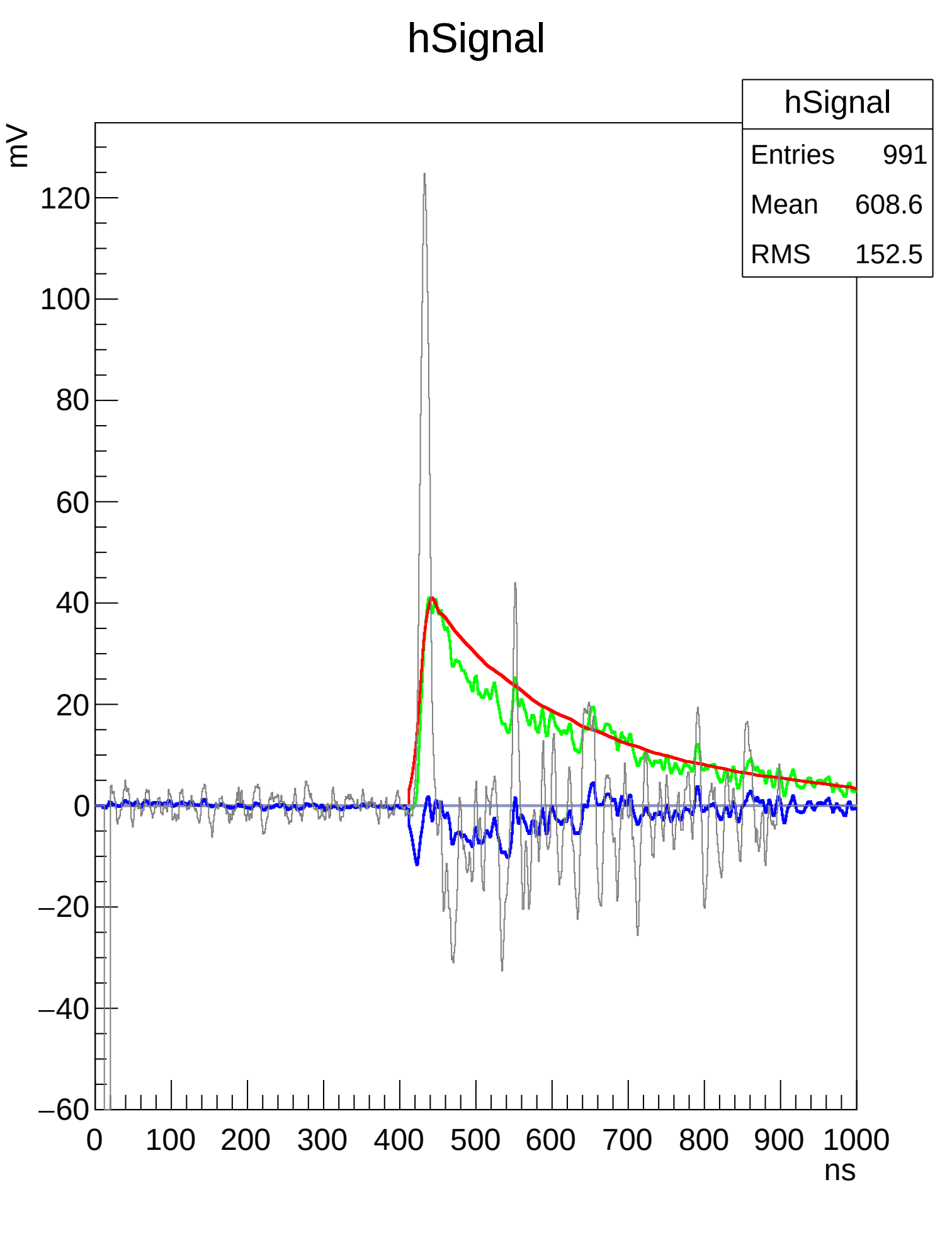
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.6
RMS 152.5
mV
120
100
80
60
40
20
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−20
−40
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0
100
200
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400
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600
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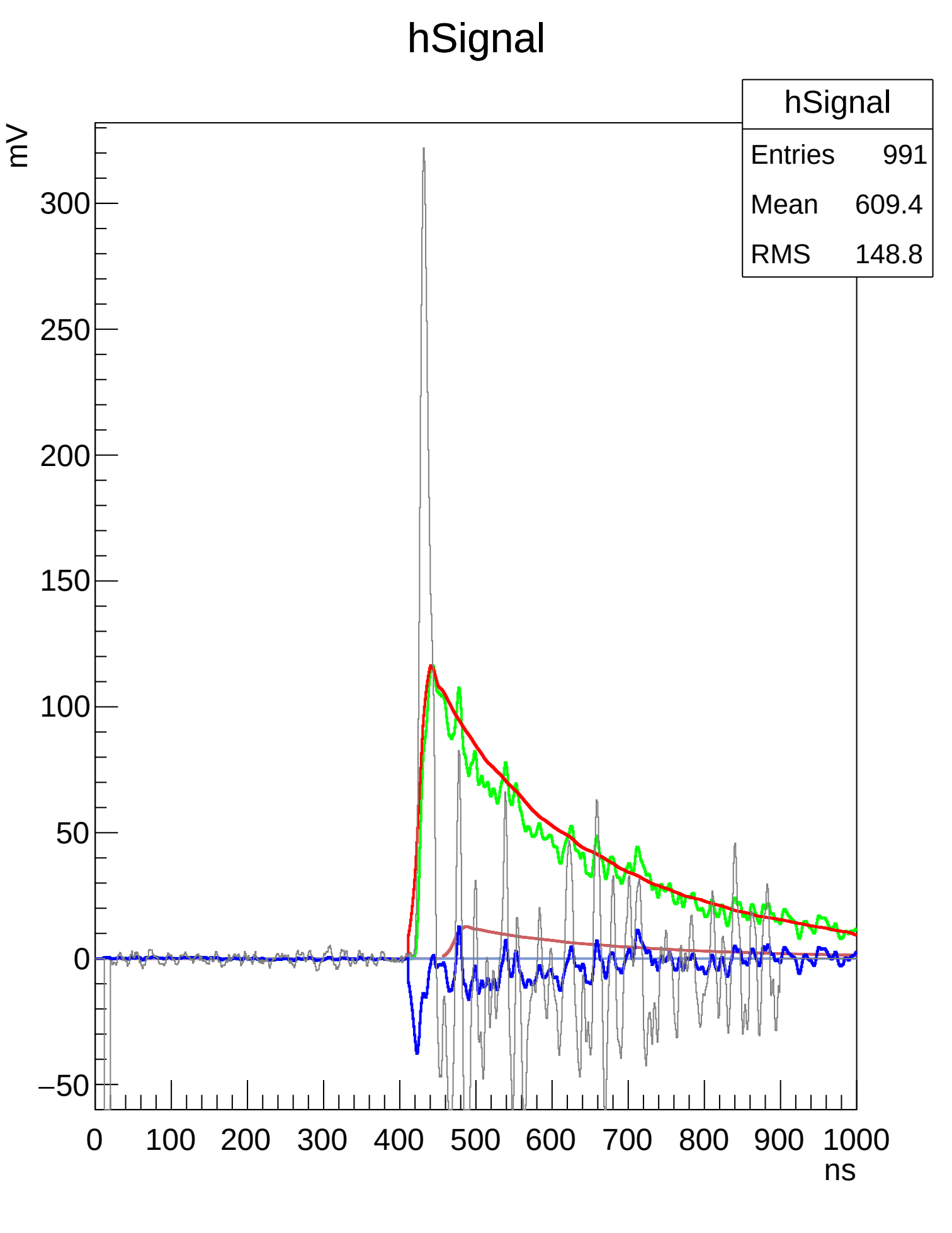
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.4
RMS 148.8
mV
300
250
200
150
100
50
0
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0
100
200
300
400
500
600
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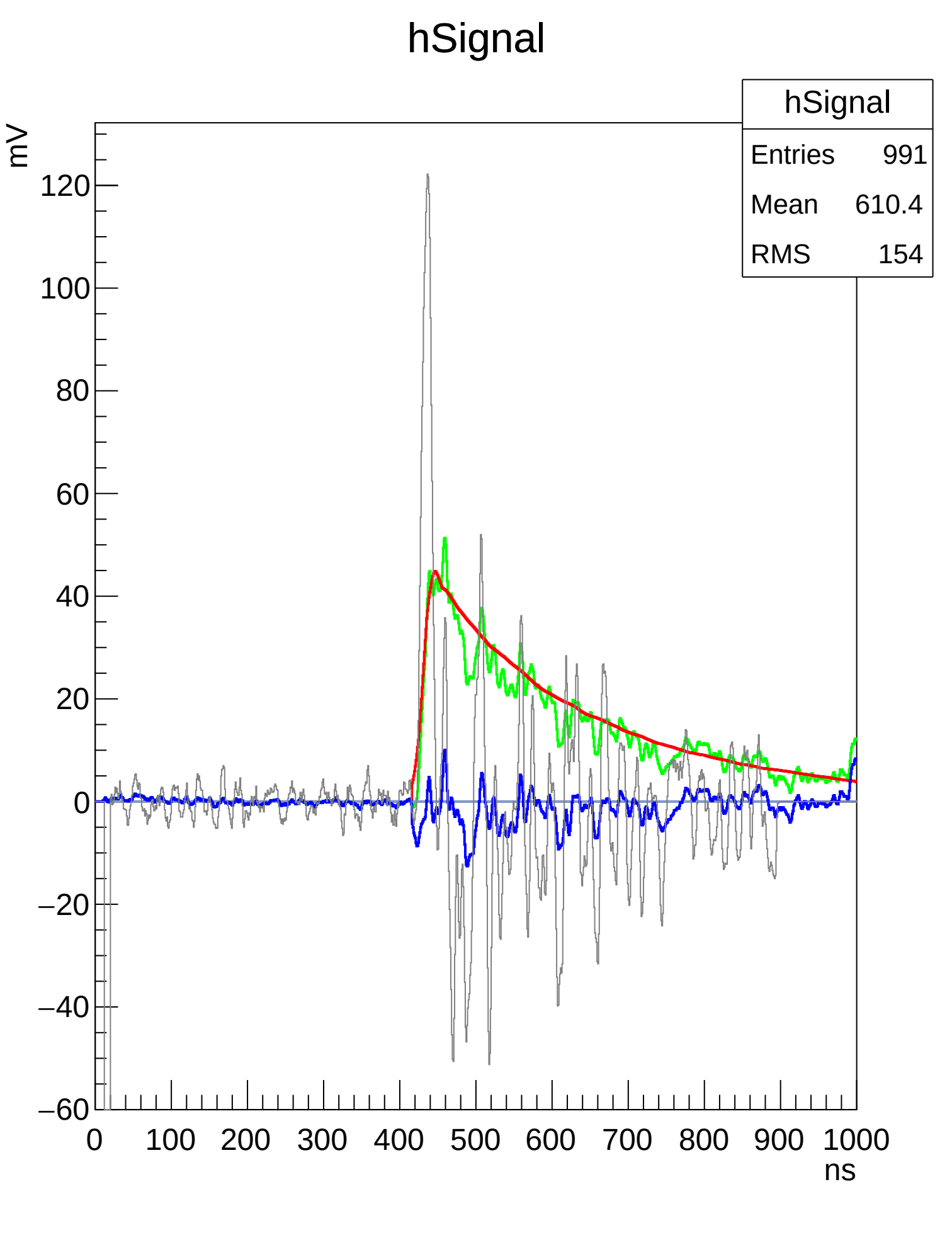
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.4
RMS 154
mV
120
100
80
60
40
20
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−20
−40
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0
100
200
300
400
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600
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800
900
1000
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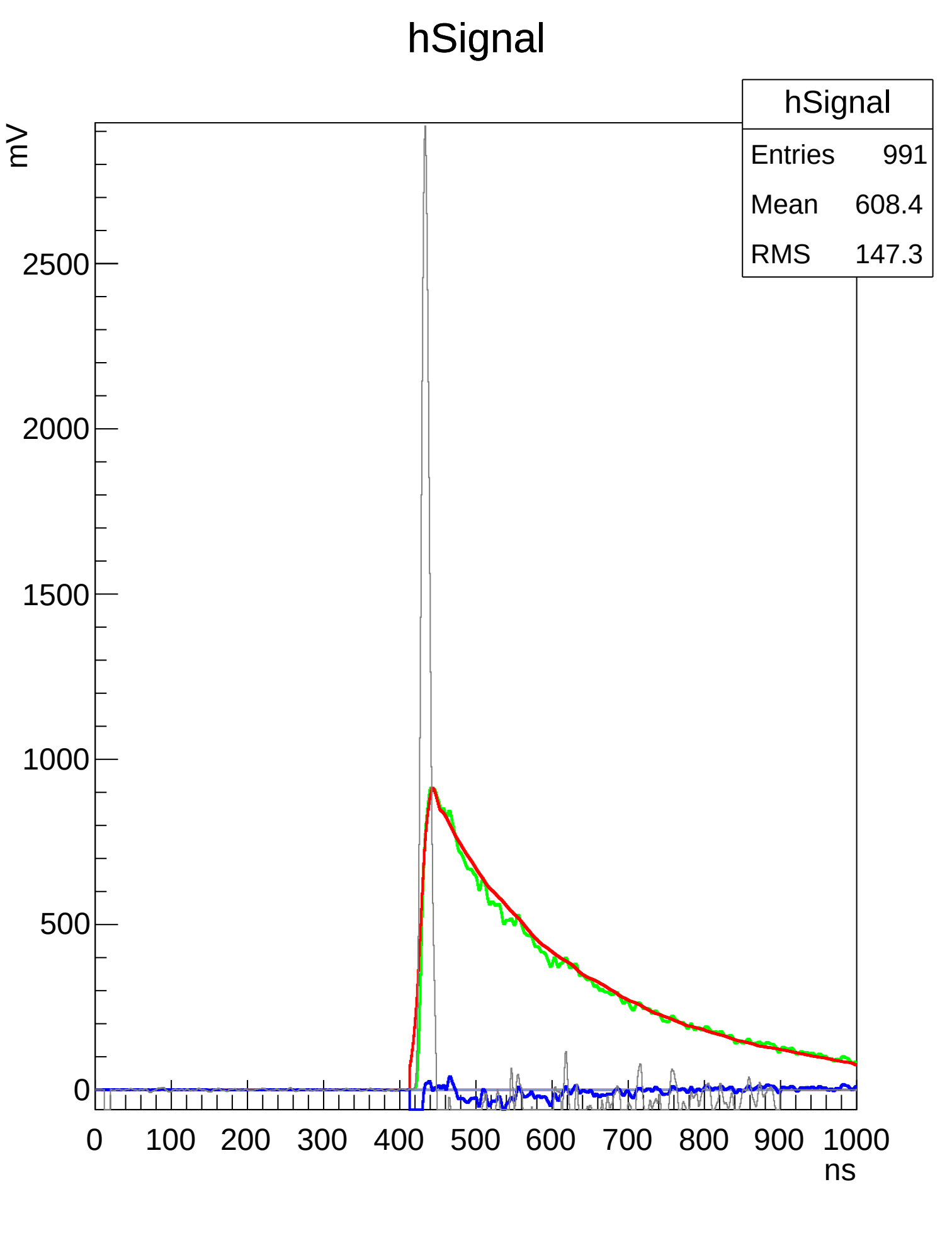
hSignal
hSignal
Entries 991
Mean 608.4
RMS 147.3
mV
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1500
1000
500
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0
100
200
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400
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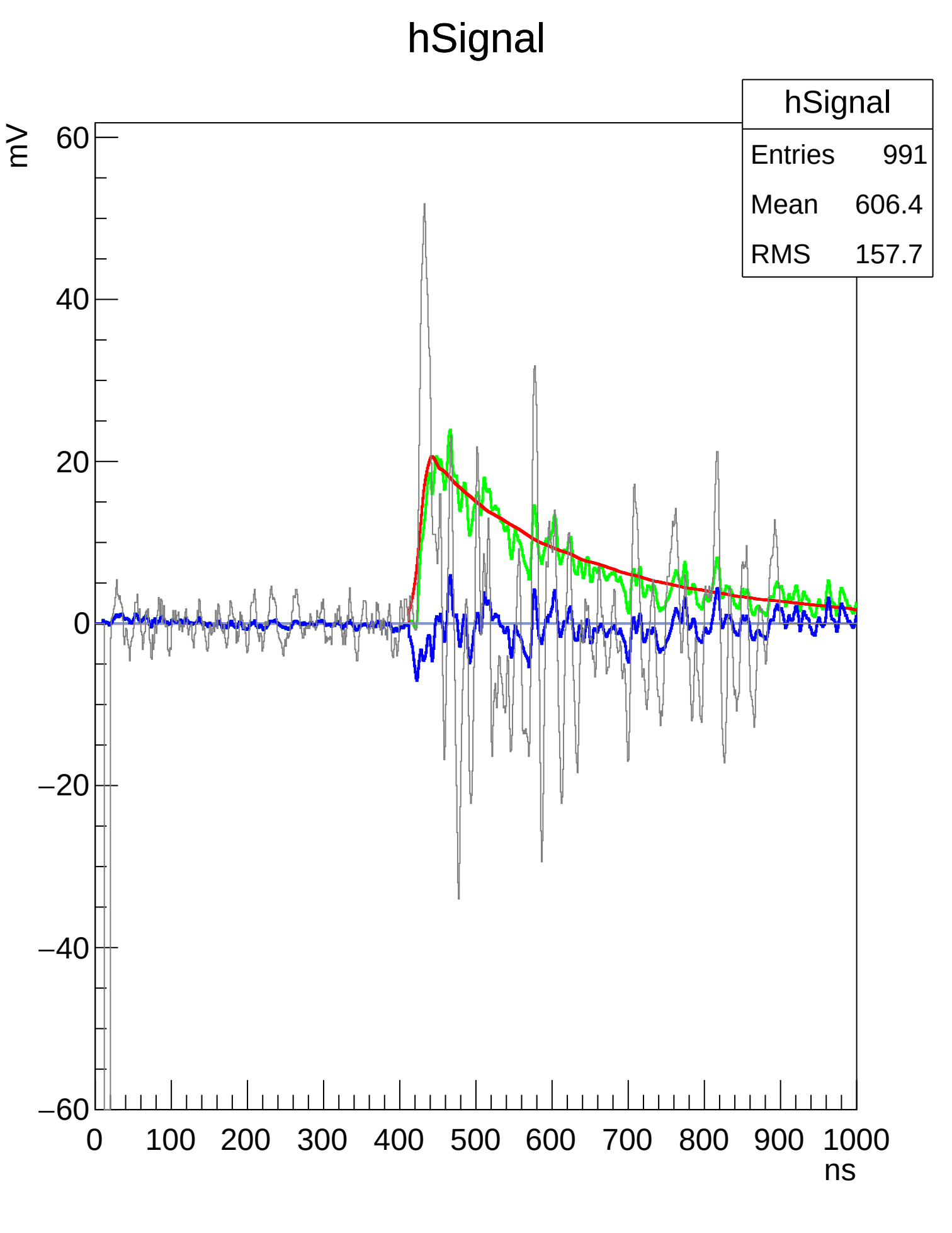
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.4
RMS 157.7
mV
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−20
−40
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0
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200
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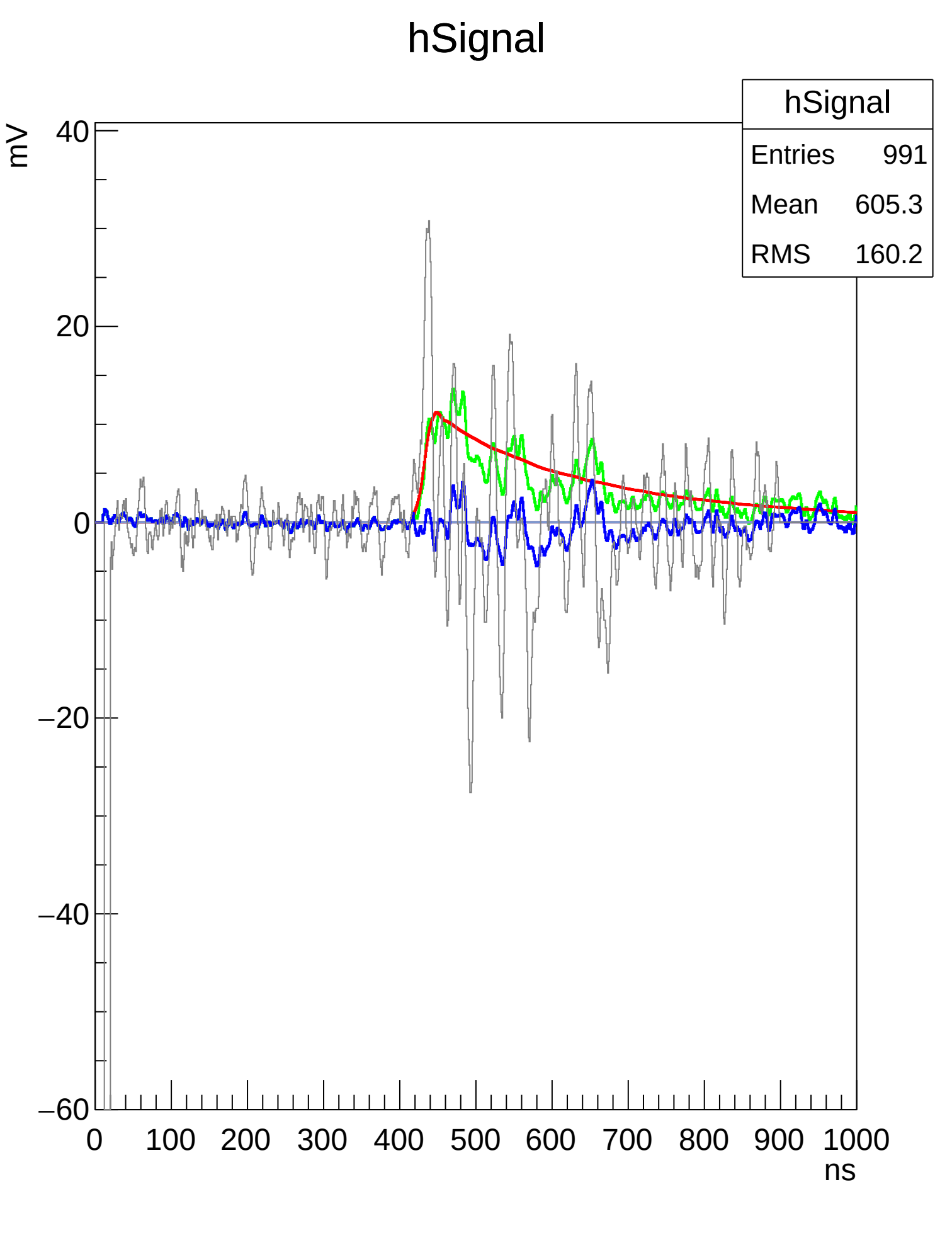
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.3
RMS 160.2
mV
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−20
−40
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0
100
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400
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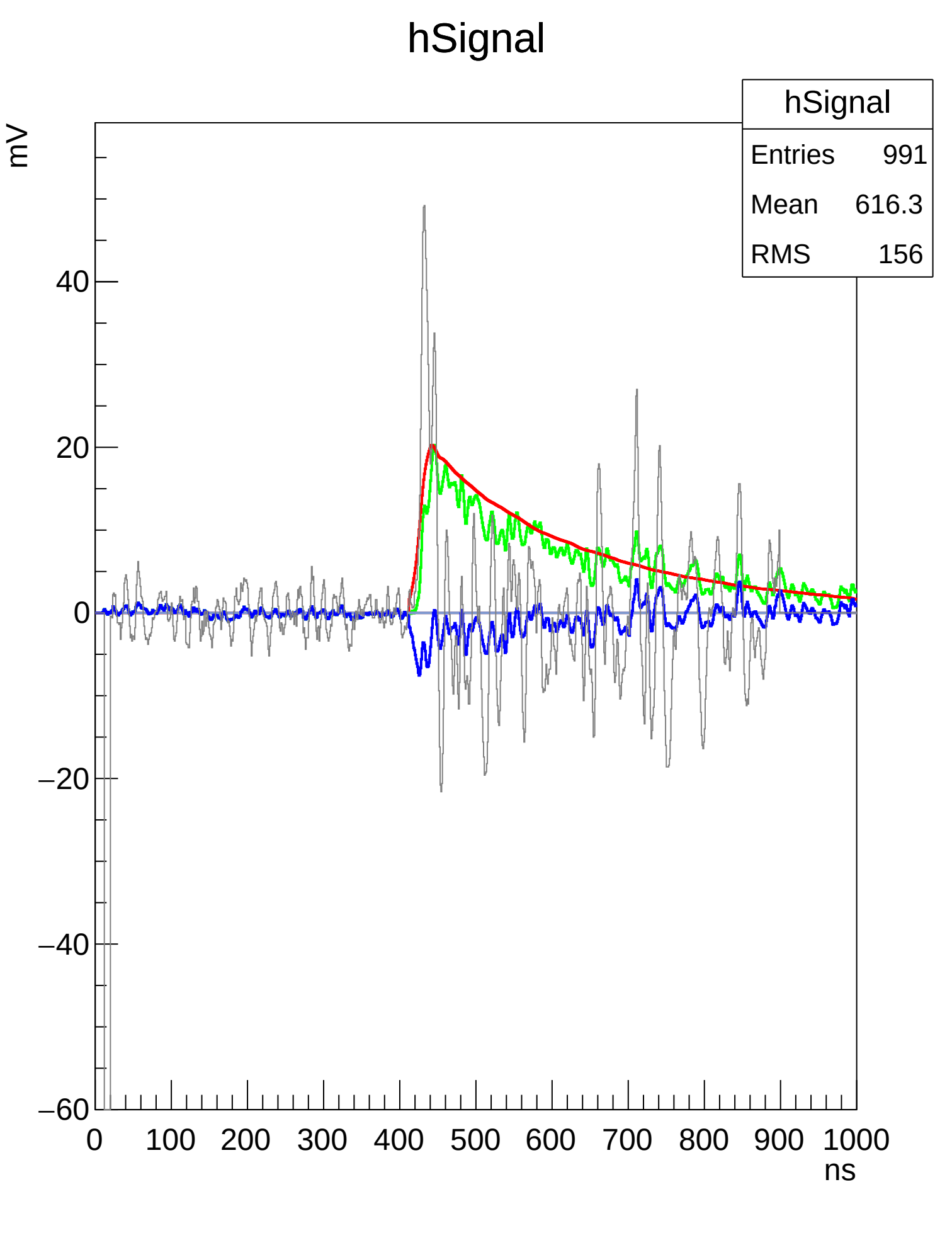
1000
ns


hSignal
hSignal
Entries 991
Mean 616.3
RMS 156
mV
40
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−20
−40
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0
100
200
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800
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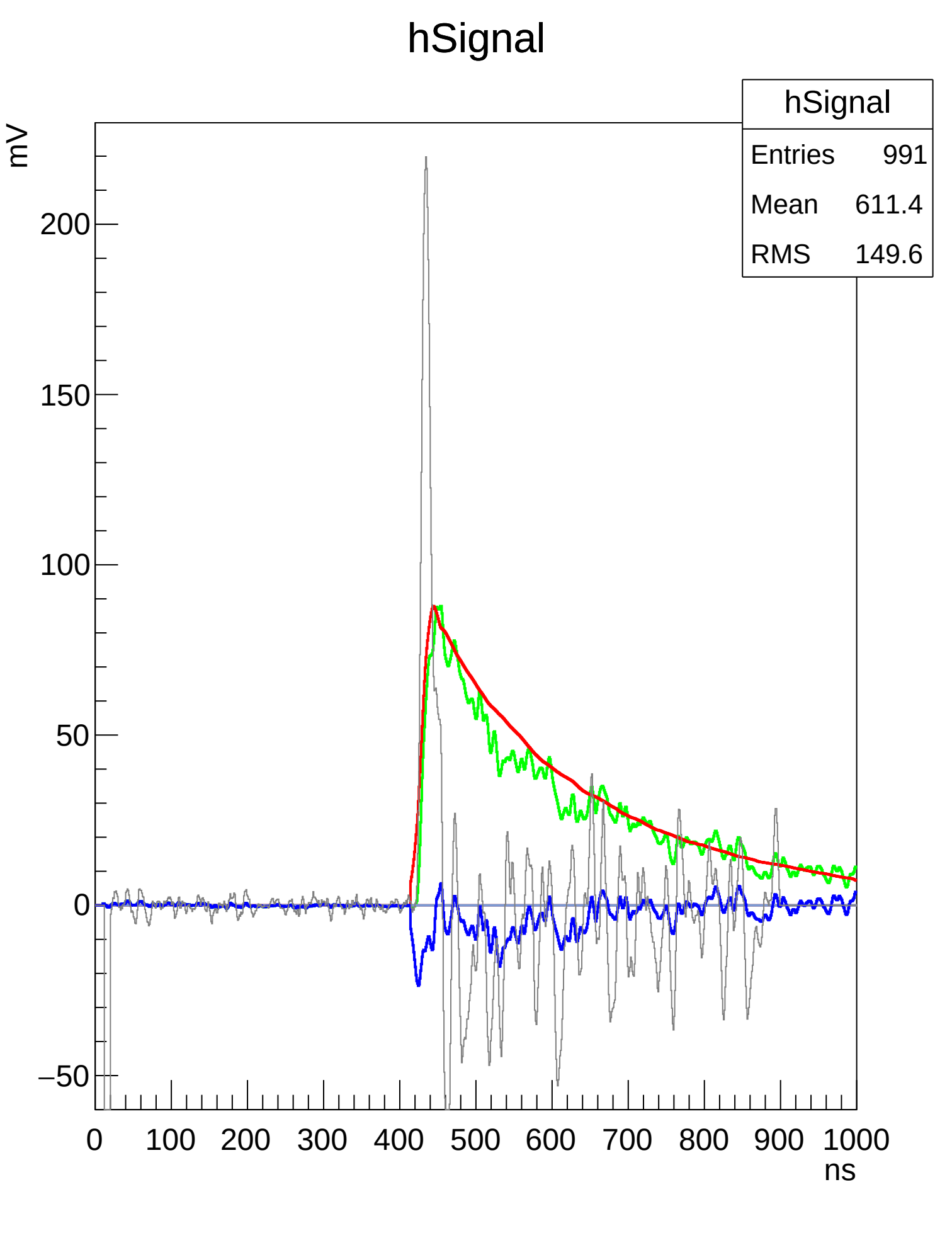
1000
ns


hSignal
hSignal
Entries 991
Mean 611.4
RMS 149.6
mV
200
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100
50
0
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0
100
200
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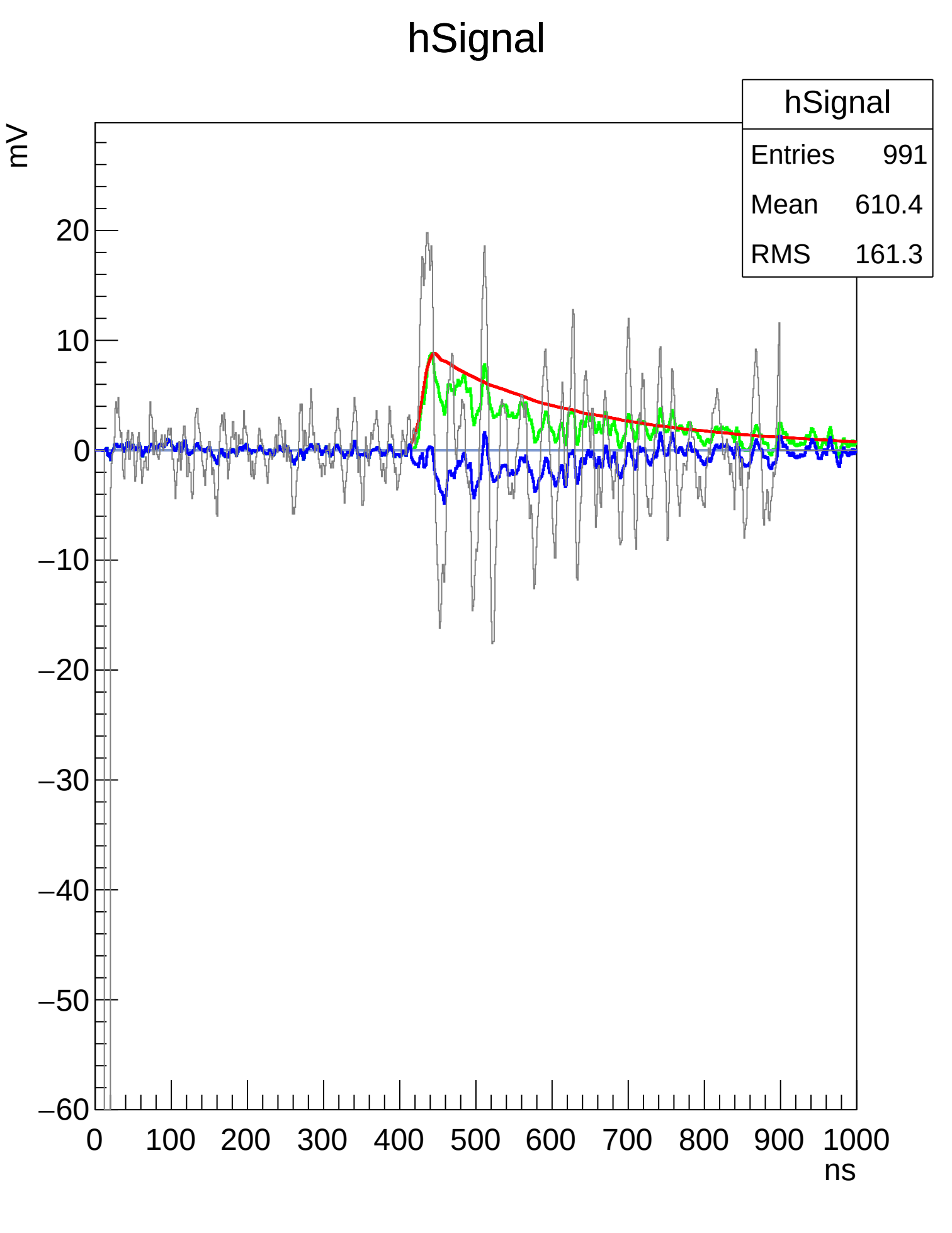
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.4
RMS 161.3
mV
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
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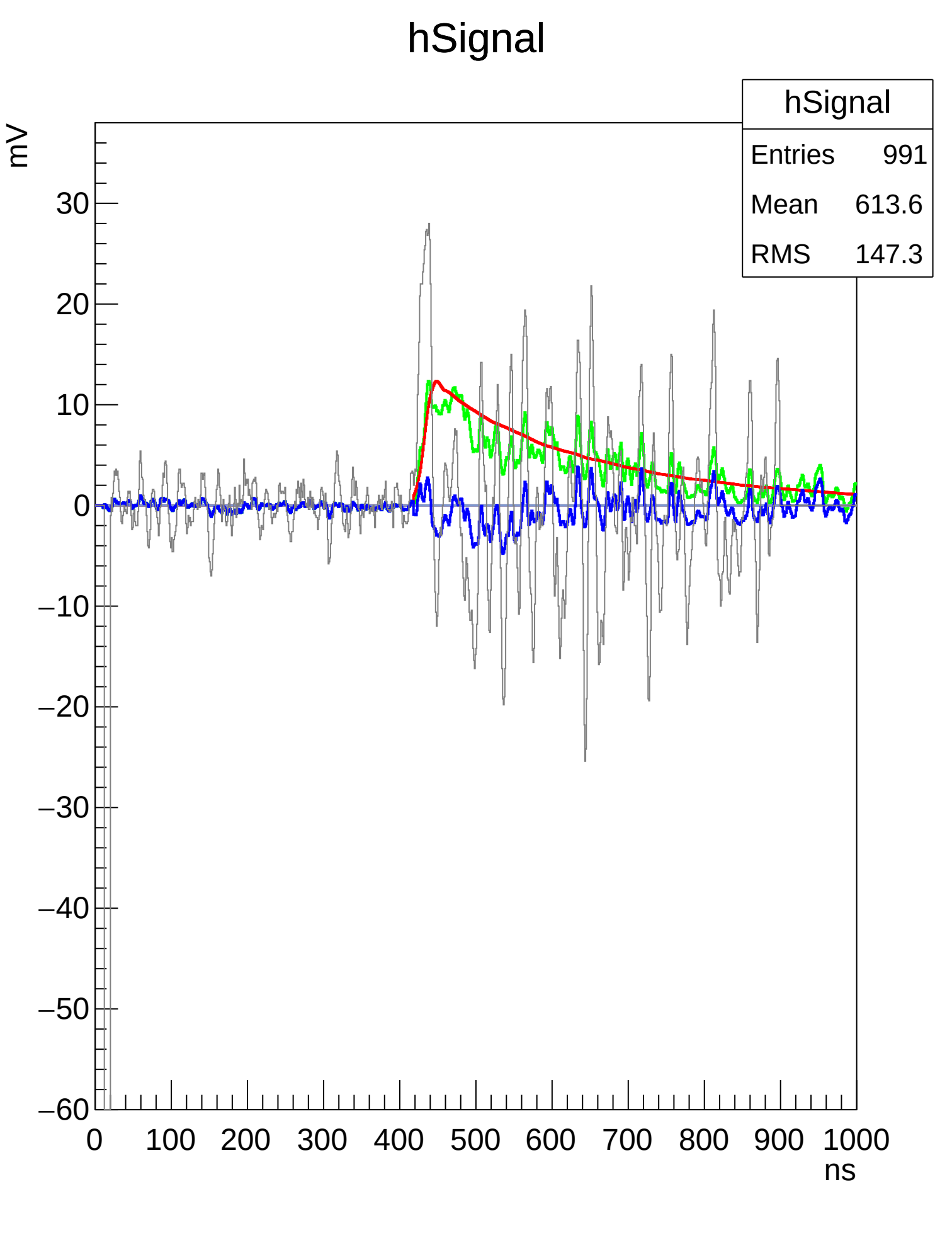
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.6
RMS 147.3
mV
30
20
10
0
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−50
−60
0
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200
300
400
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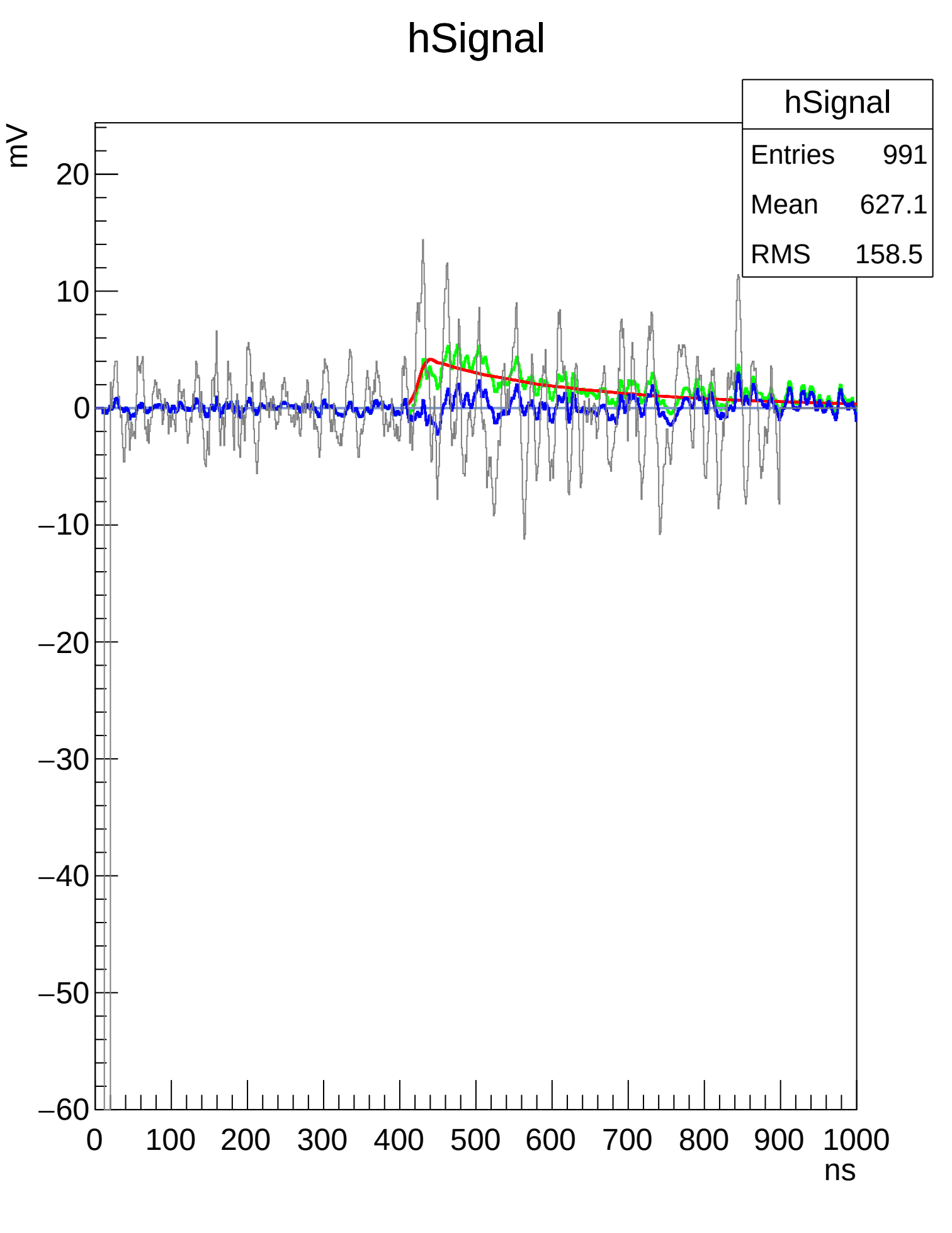
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.1
RMS 158.5
mV
20
10
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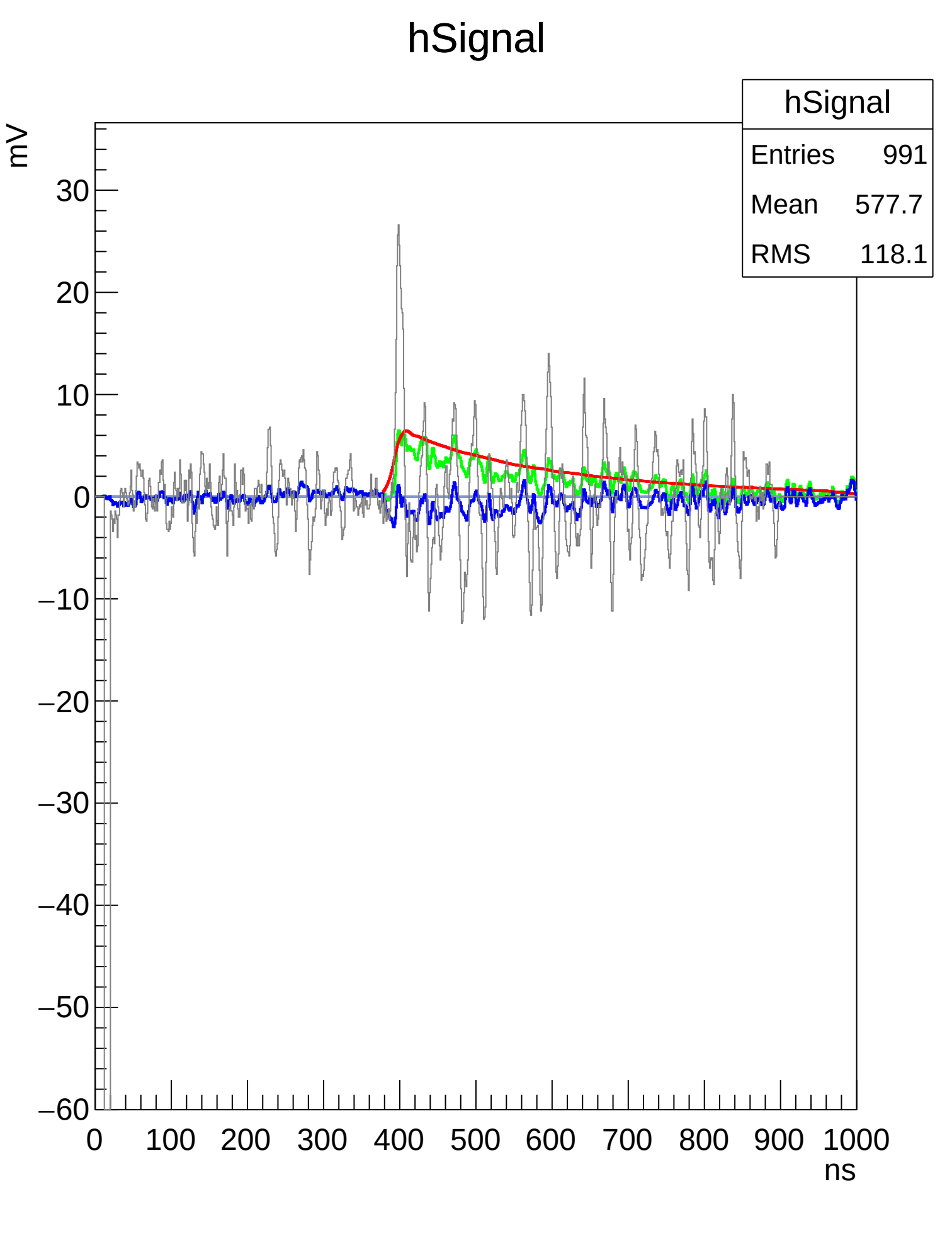
hSignal
hSignal
Entries 991
Mean 577.7
RMS 118.1
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
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600
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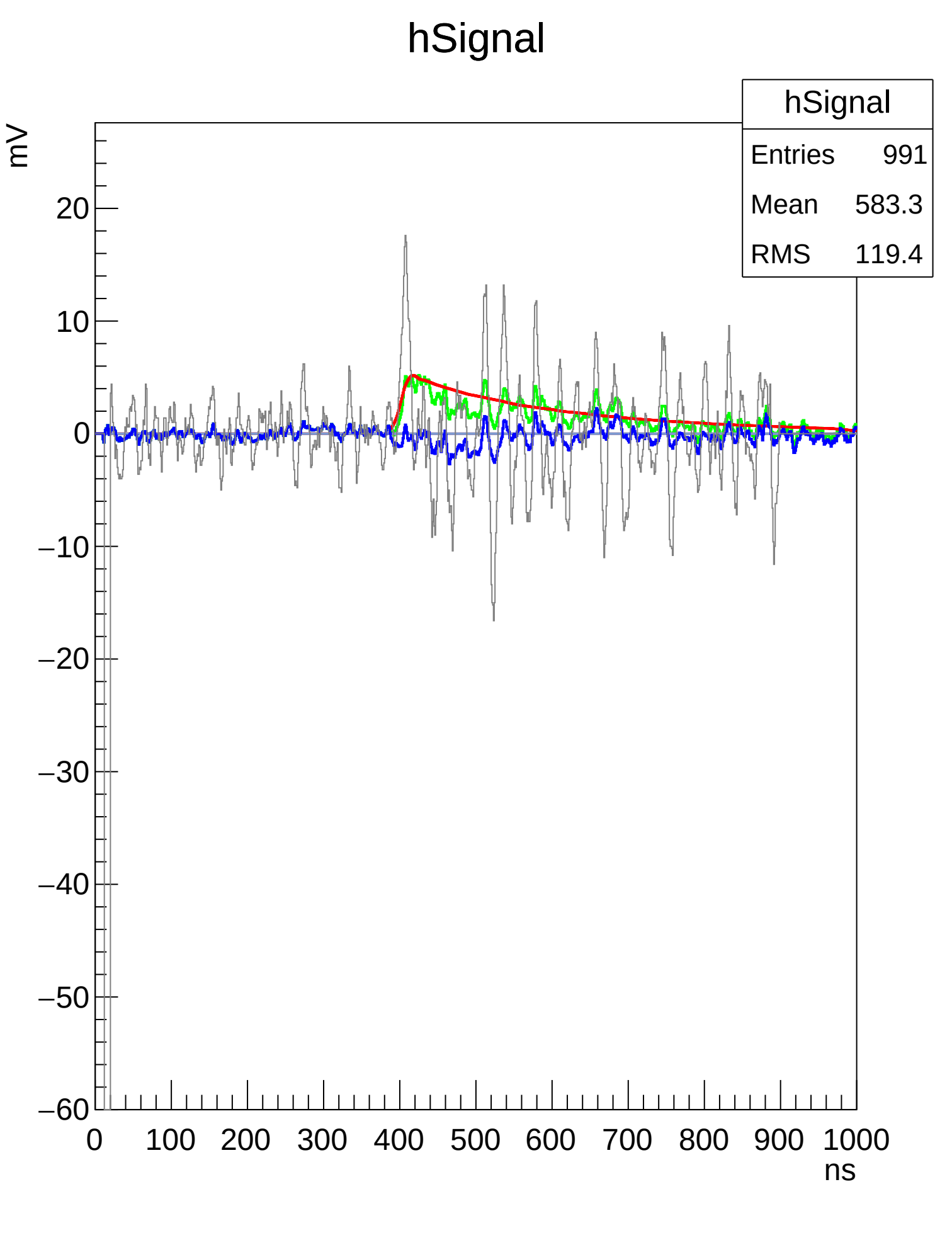
1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 119.4
mV
20
10
0
−10
−20
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−40
−50
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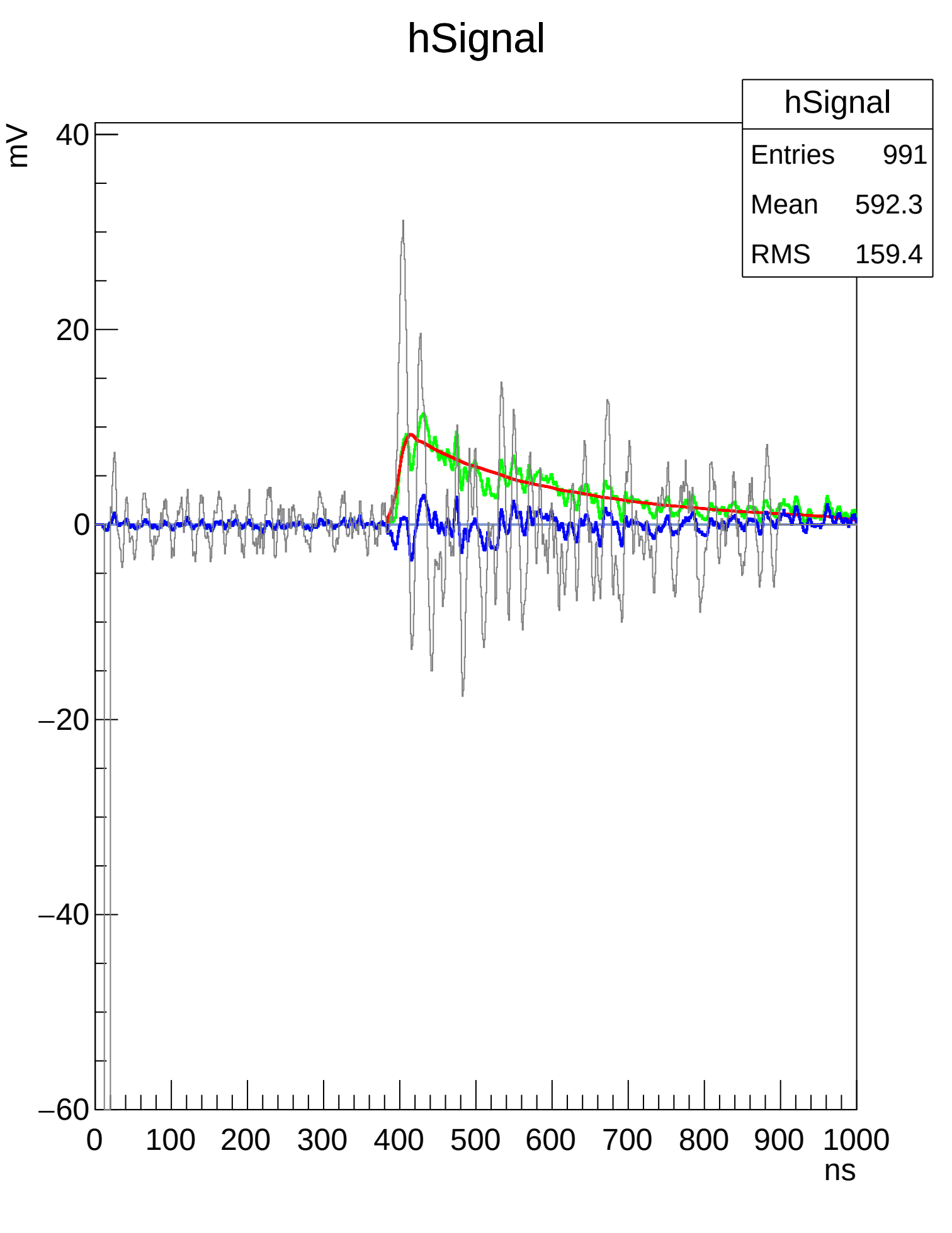
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.3
RMS 159.4
mV
40
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−20
−40
−60
0
100
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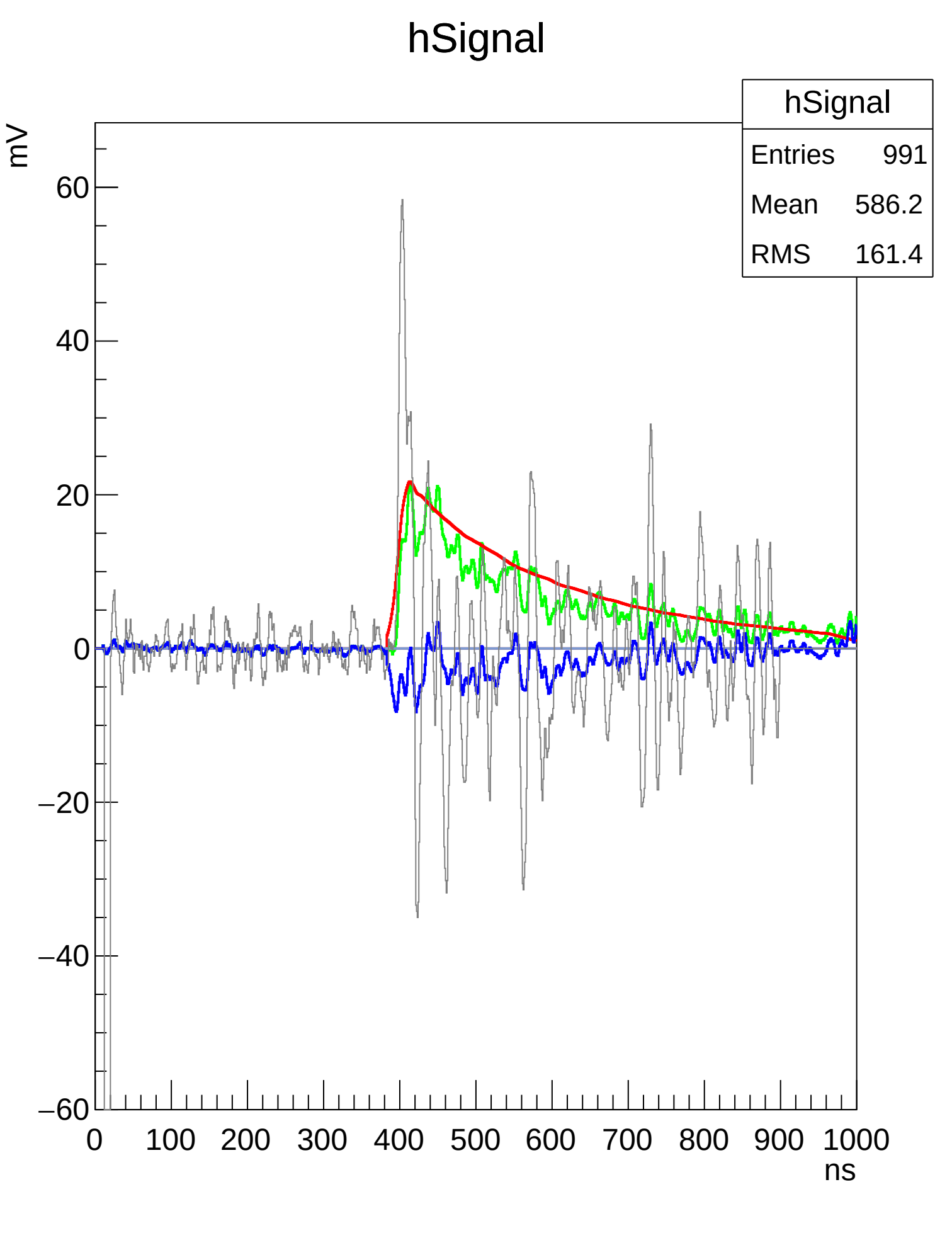
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.2
RMS 161.4
mV
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−20
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0
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700
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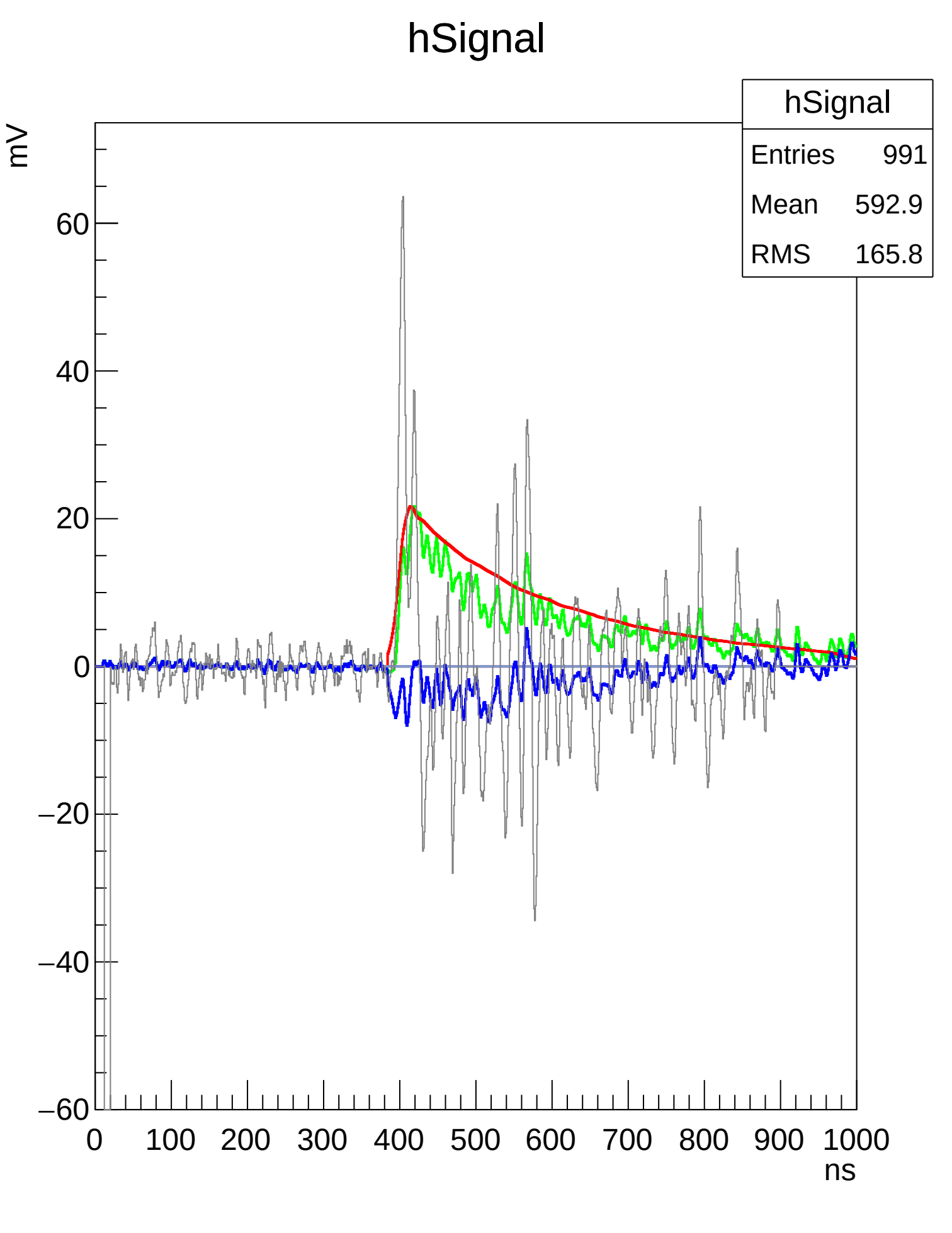
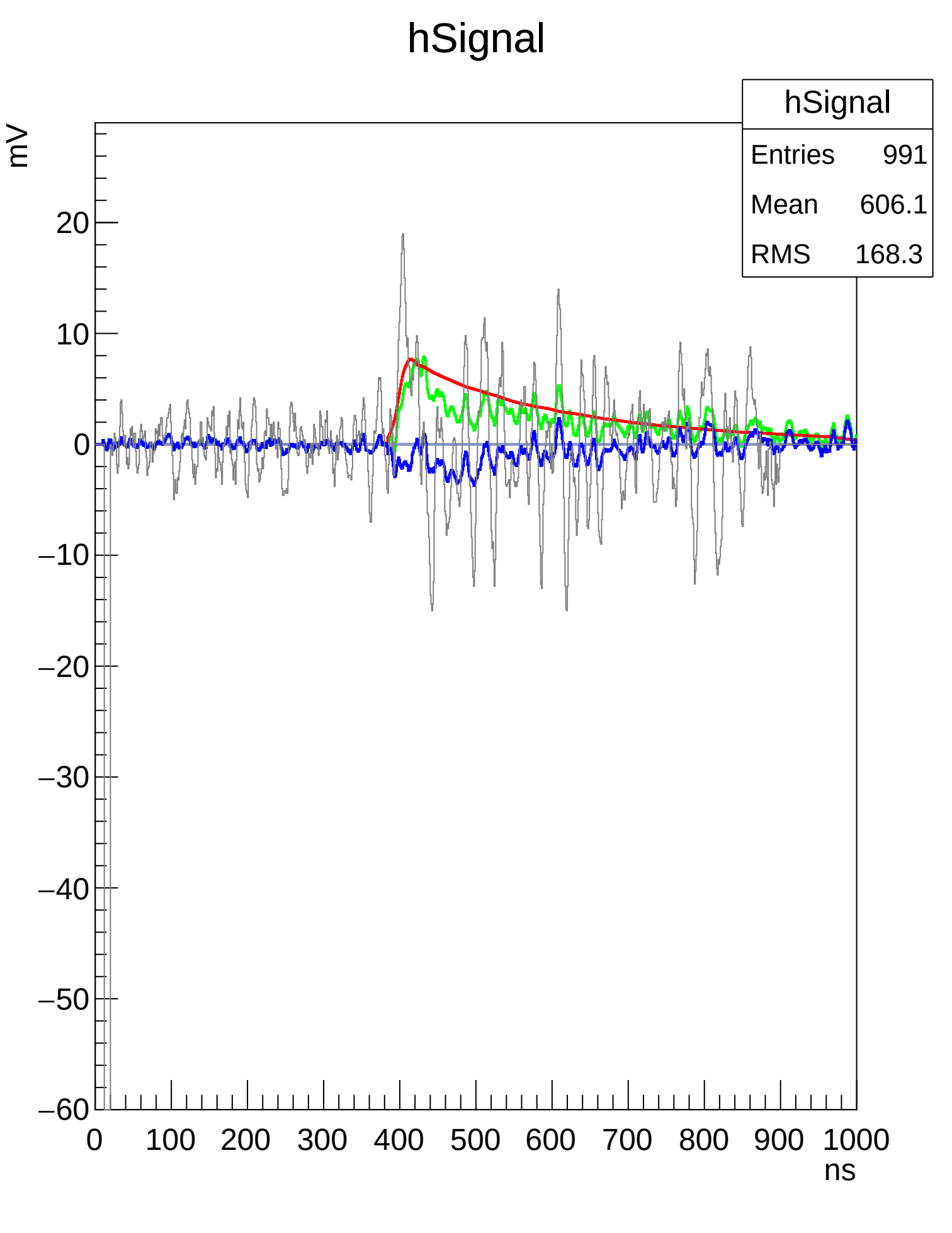
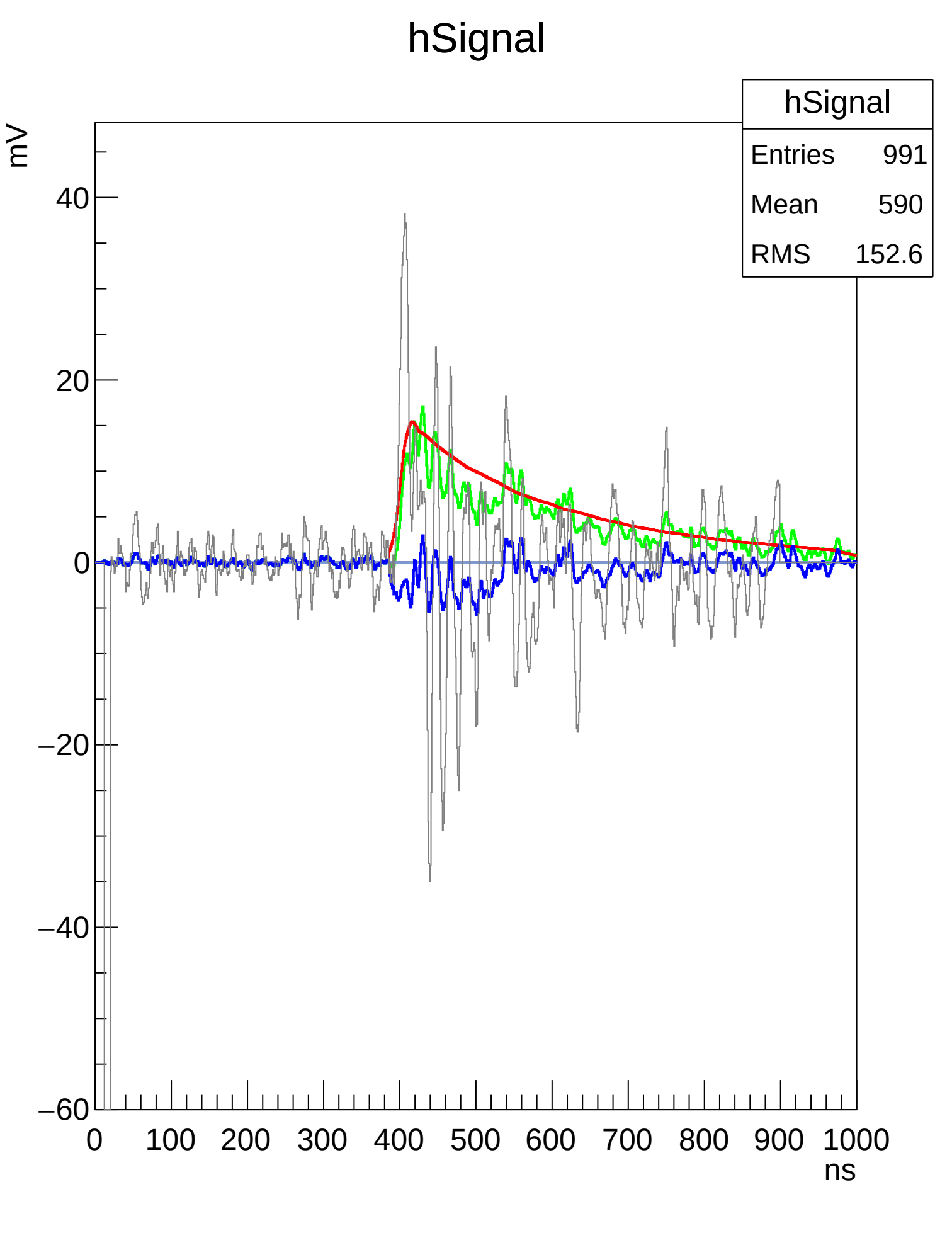
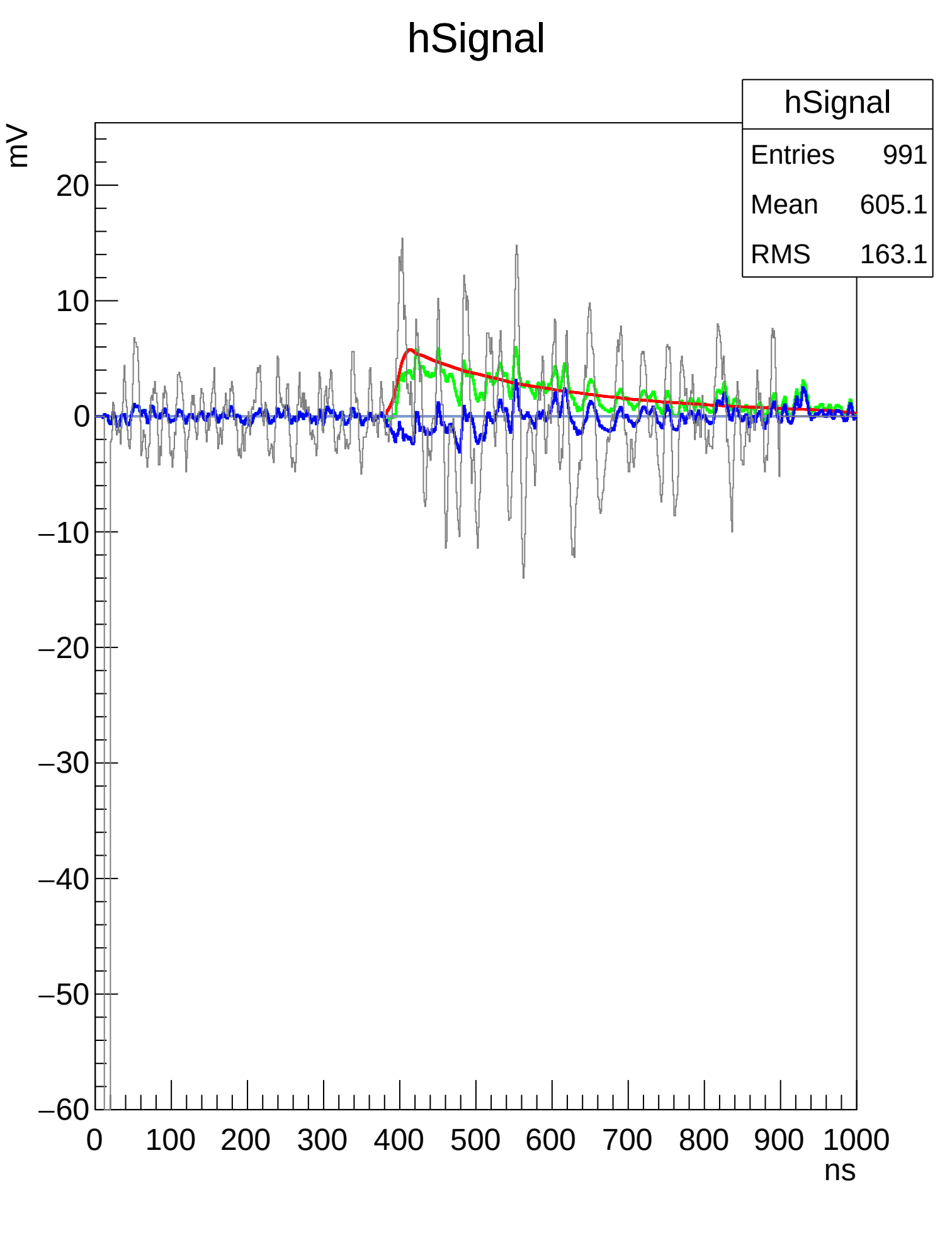
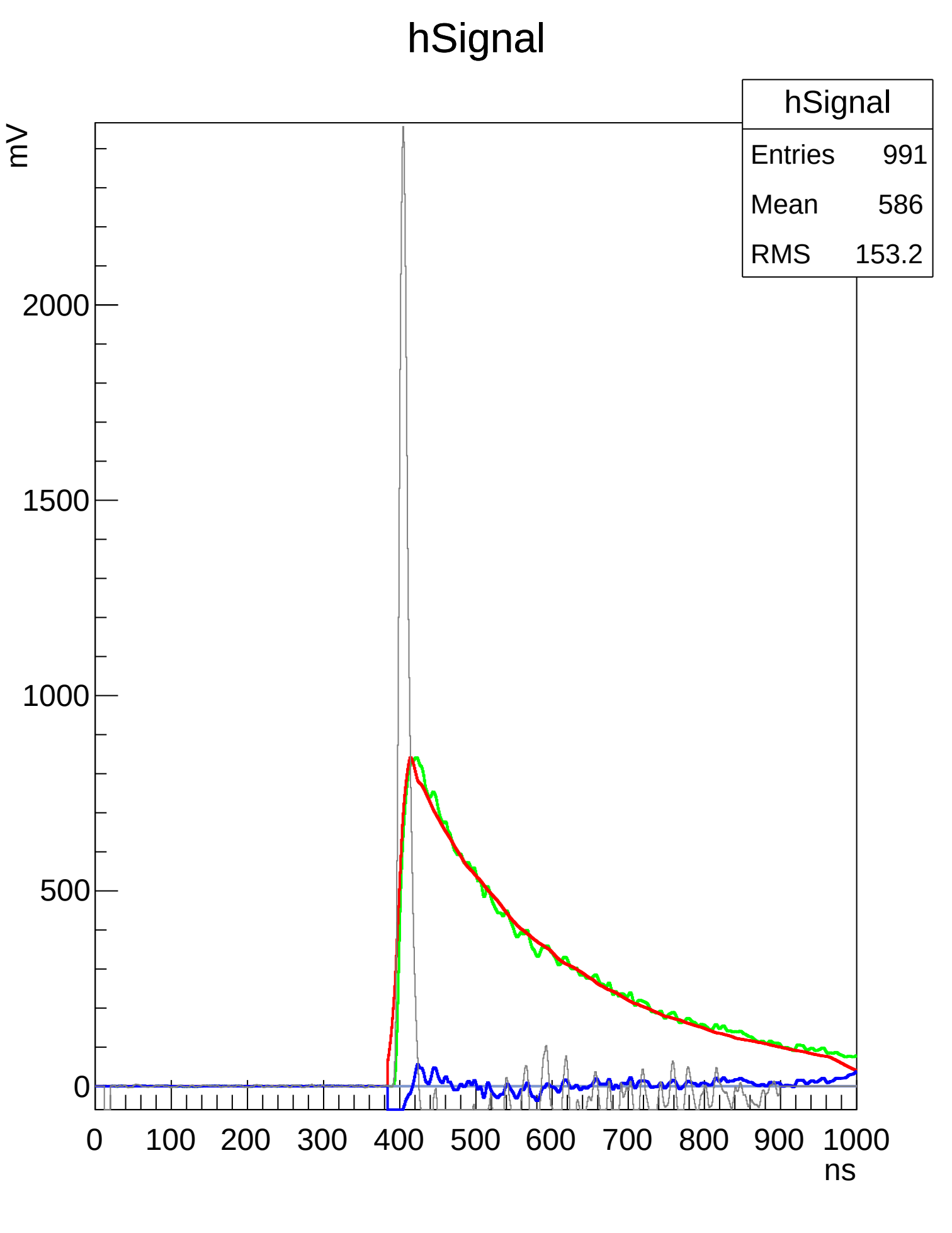
900
1000
ns

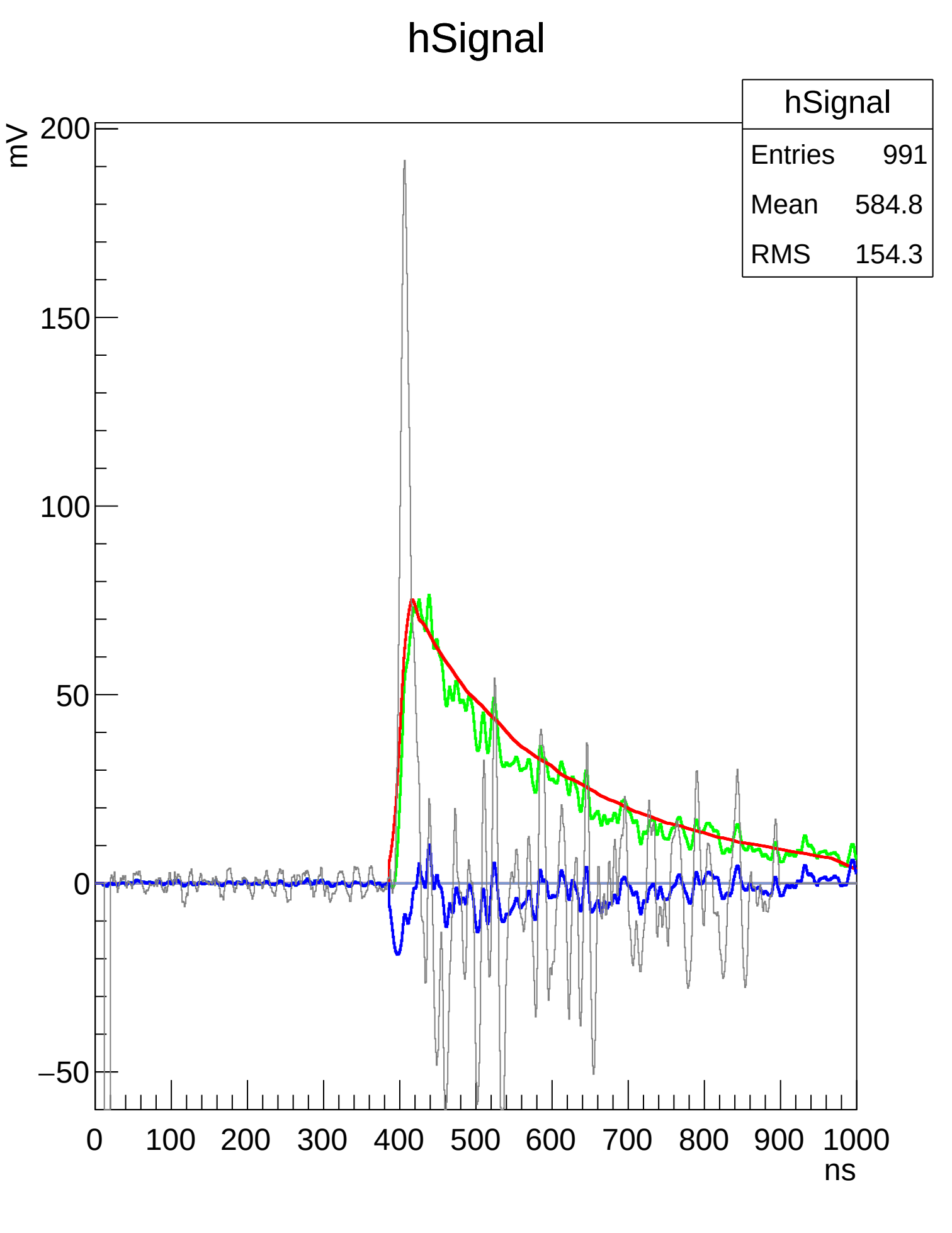

hSignal
hSignal
Entries 991
Mean 592.9
RMS 165.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.1
RMS 168.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 152.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.1
RMS 163.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586
RMS 153.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 584.8
RMS 154.3
mV
200
150
100
50
0
−50
0
100
200
300
400
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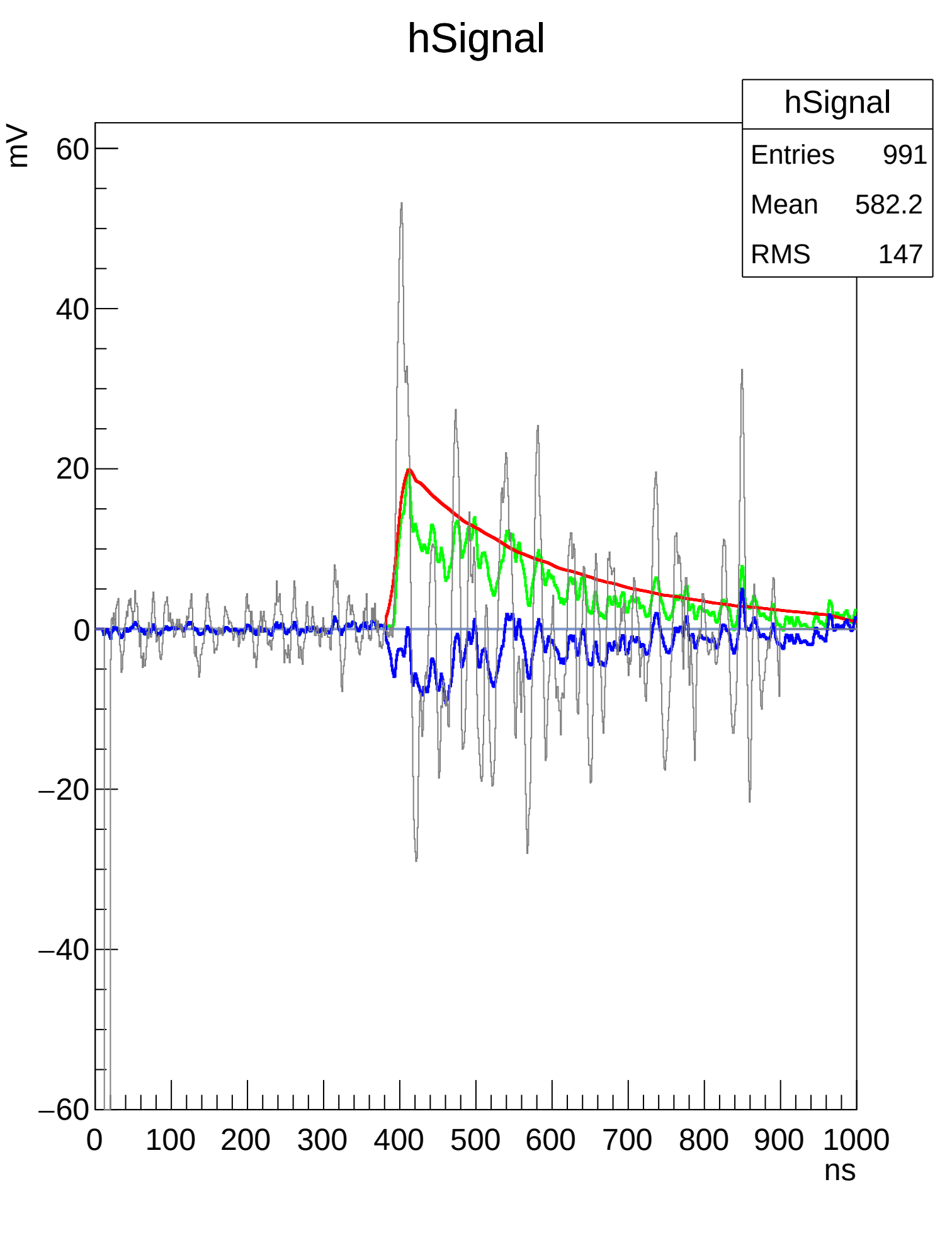
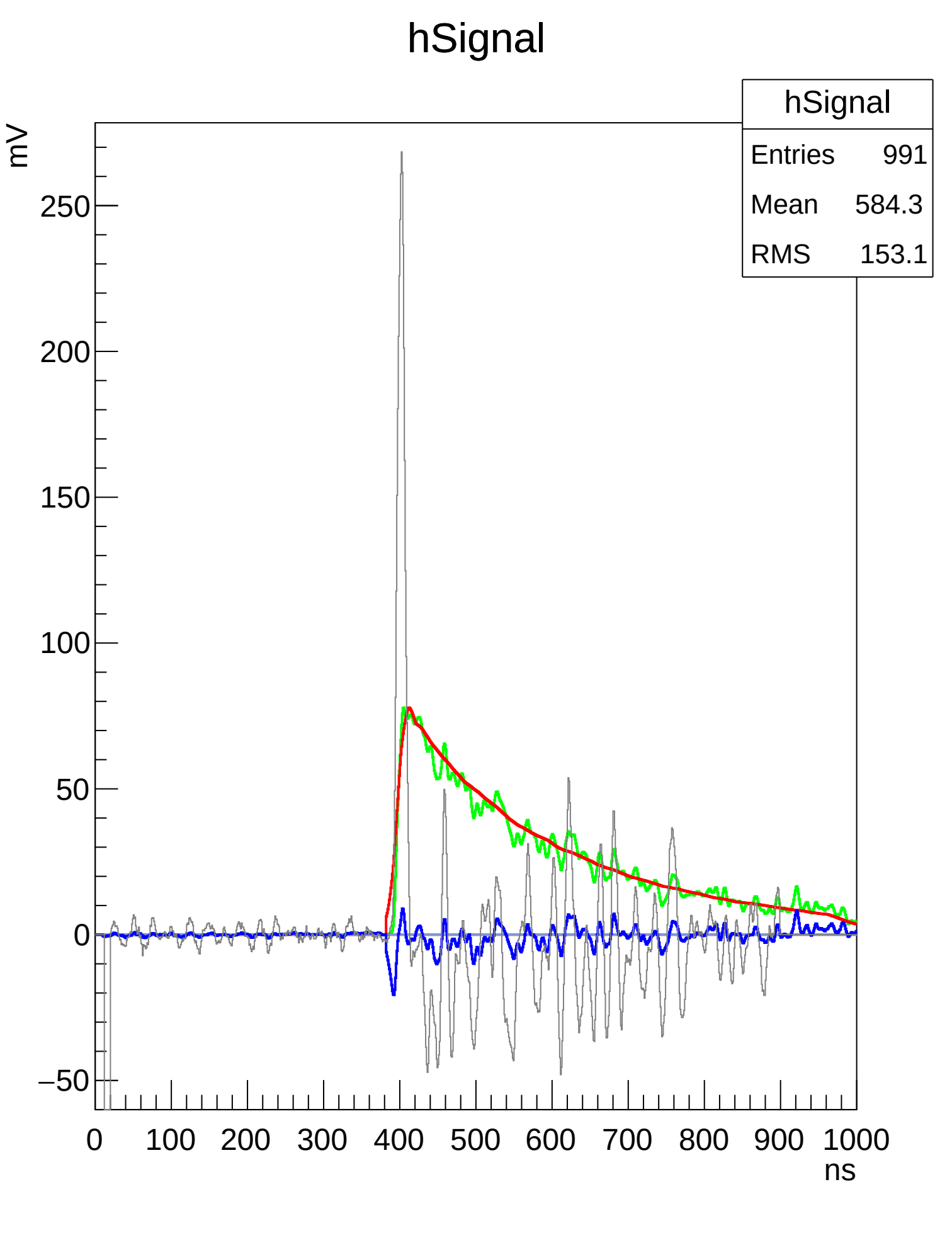
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.2
RMS 147
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.3
RMS 153.1
mV
250
200
150
100
50
0
−50
0
100
200
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400
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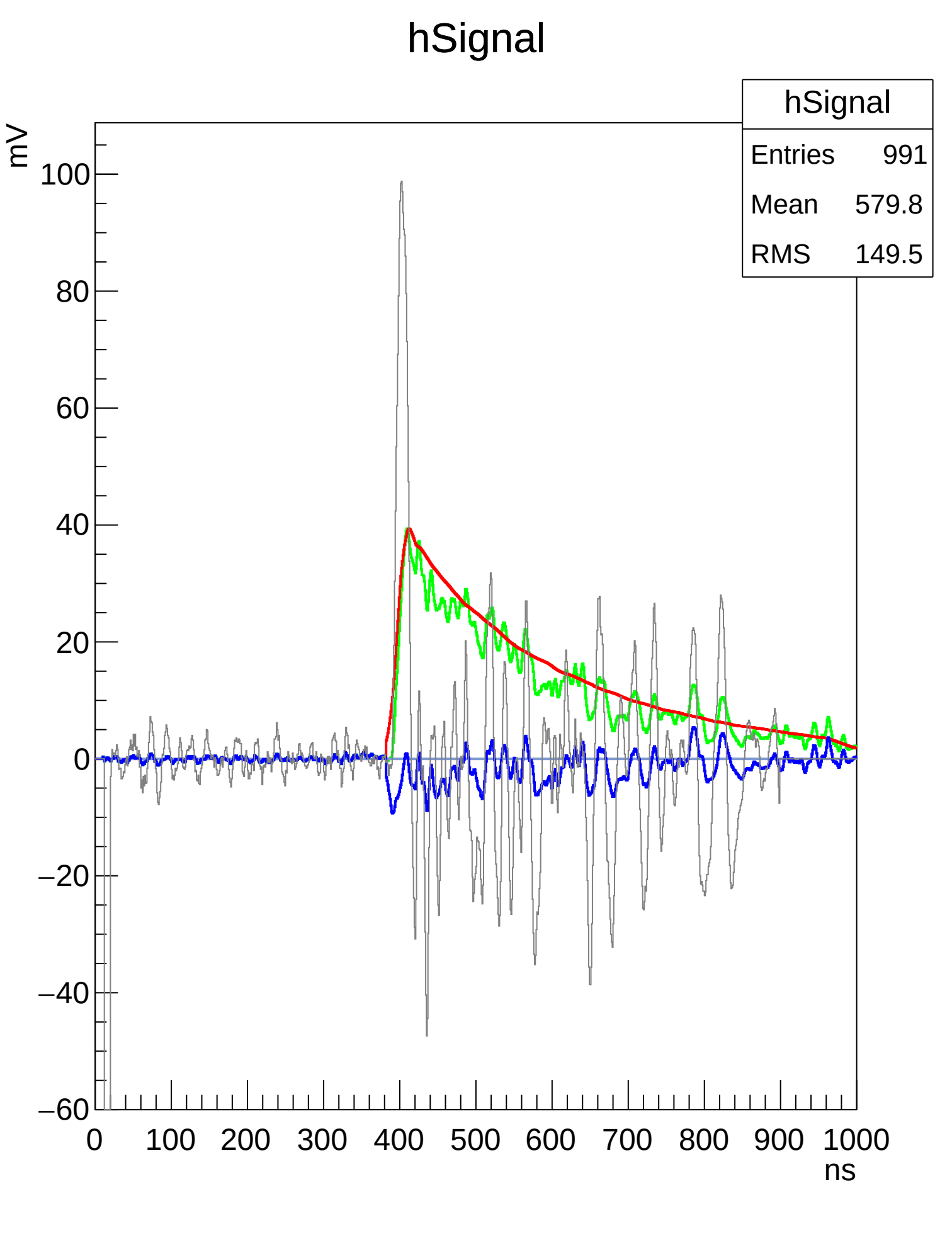
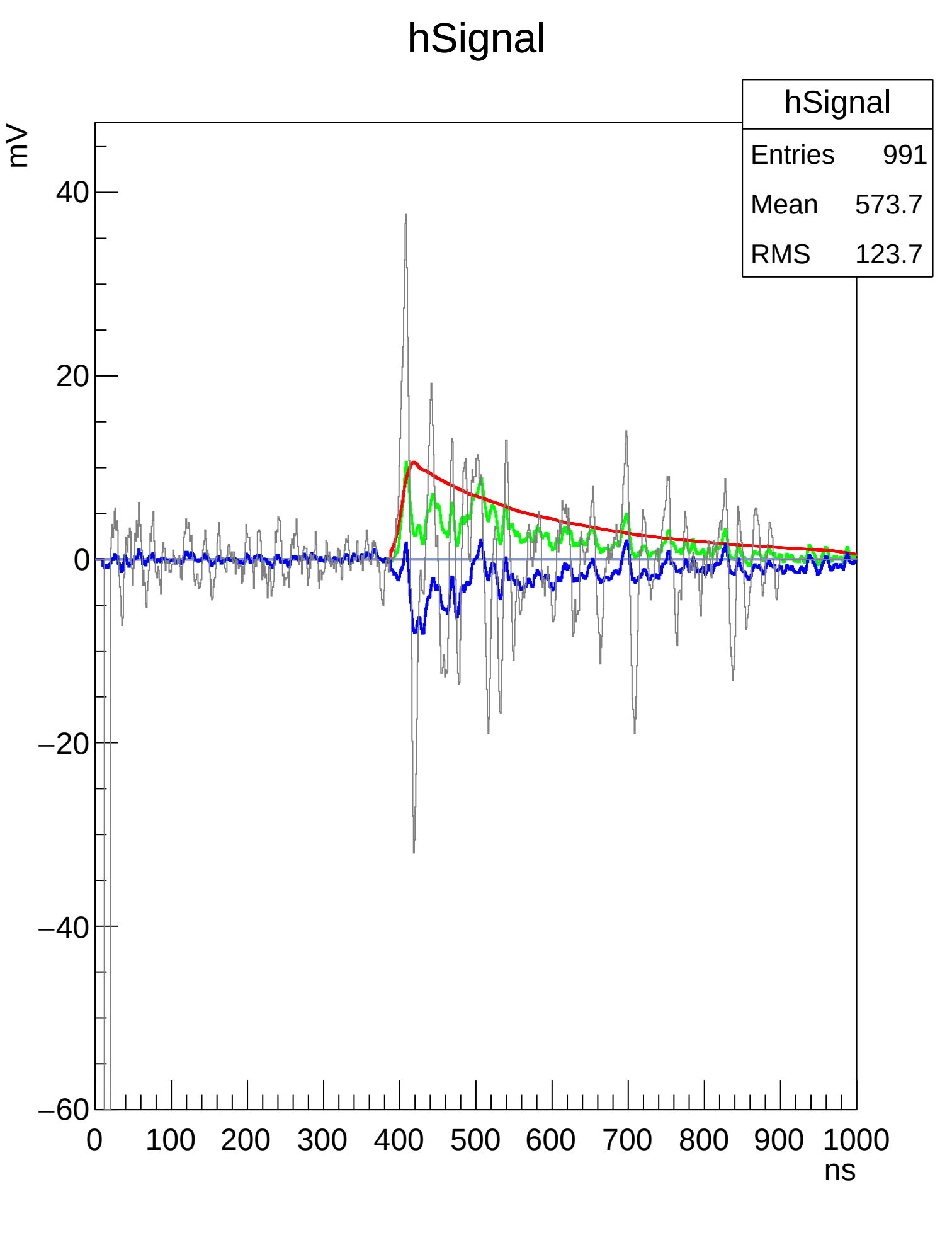
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.8
RMS 149.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.7
RMS 123.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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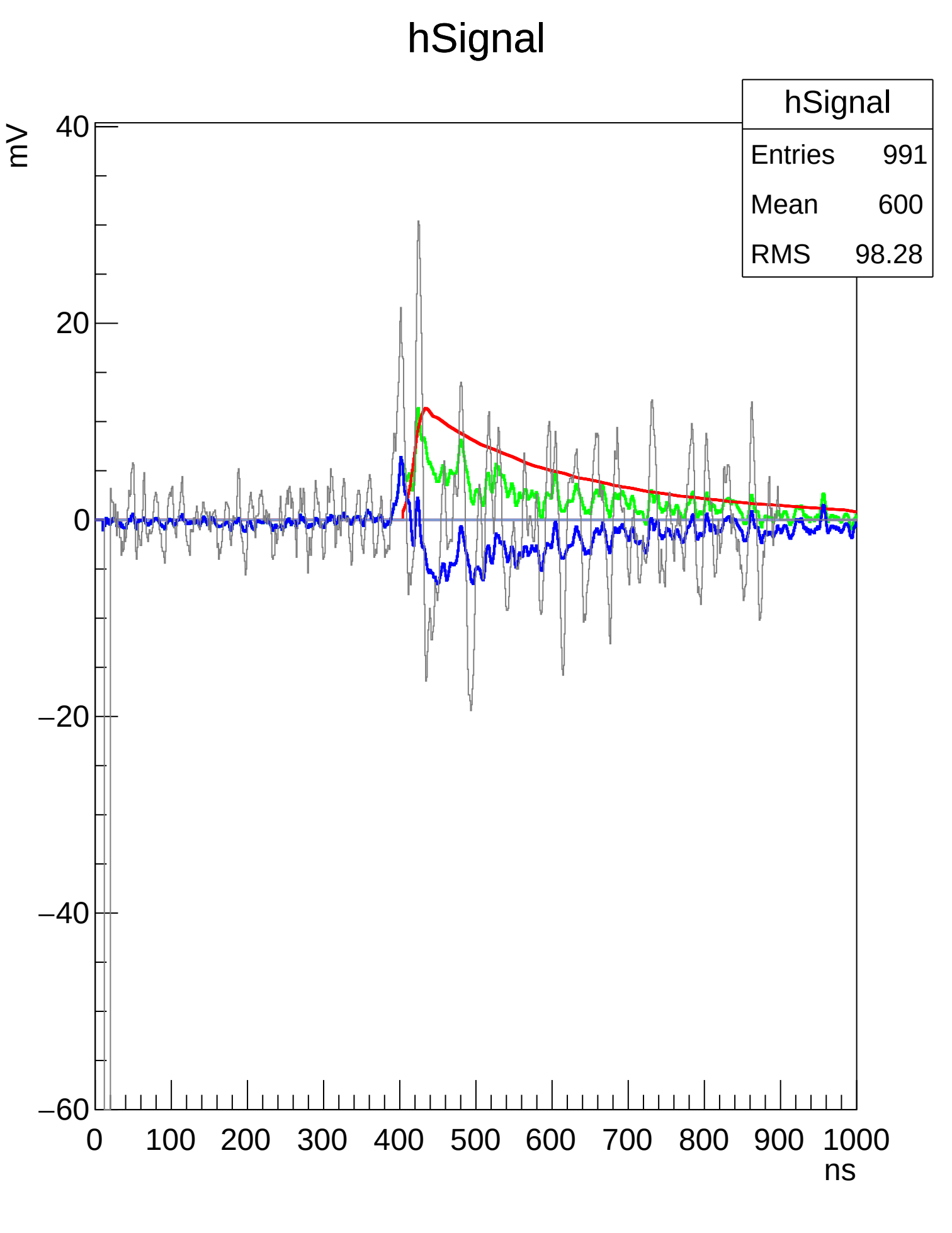
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600
RMS 98.28
mV
40
20
0
−20
−40
−60
0
100
200
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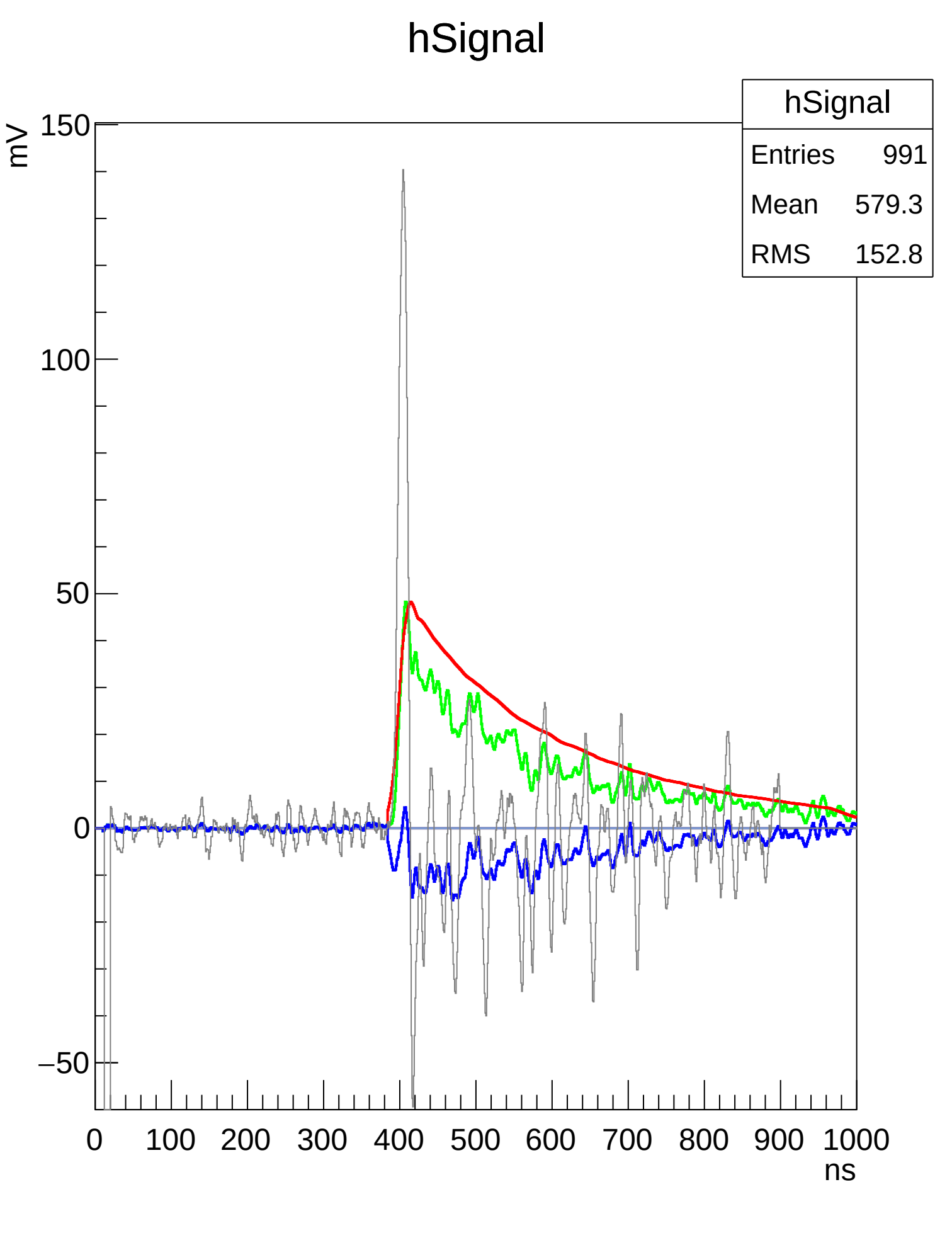
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.3
RMS 152.8
mV
150
100
50
0
−50
0
100
200
300
400
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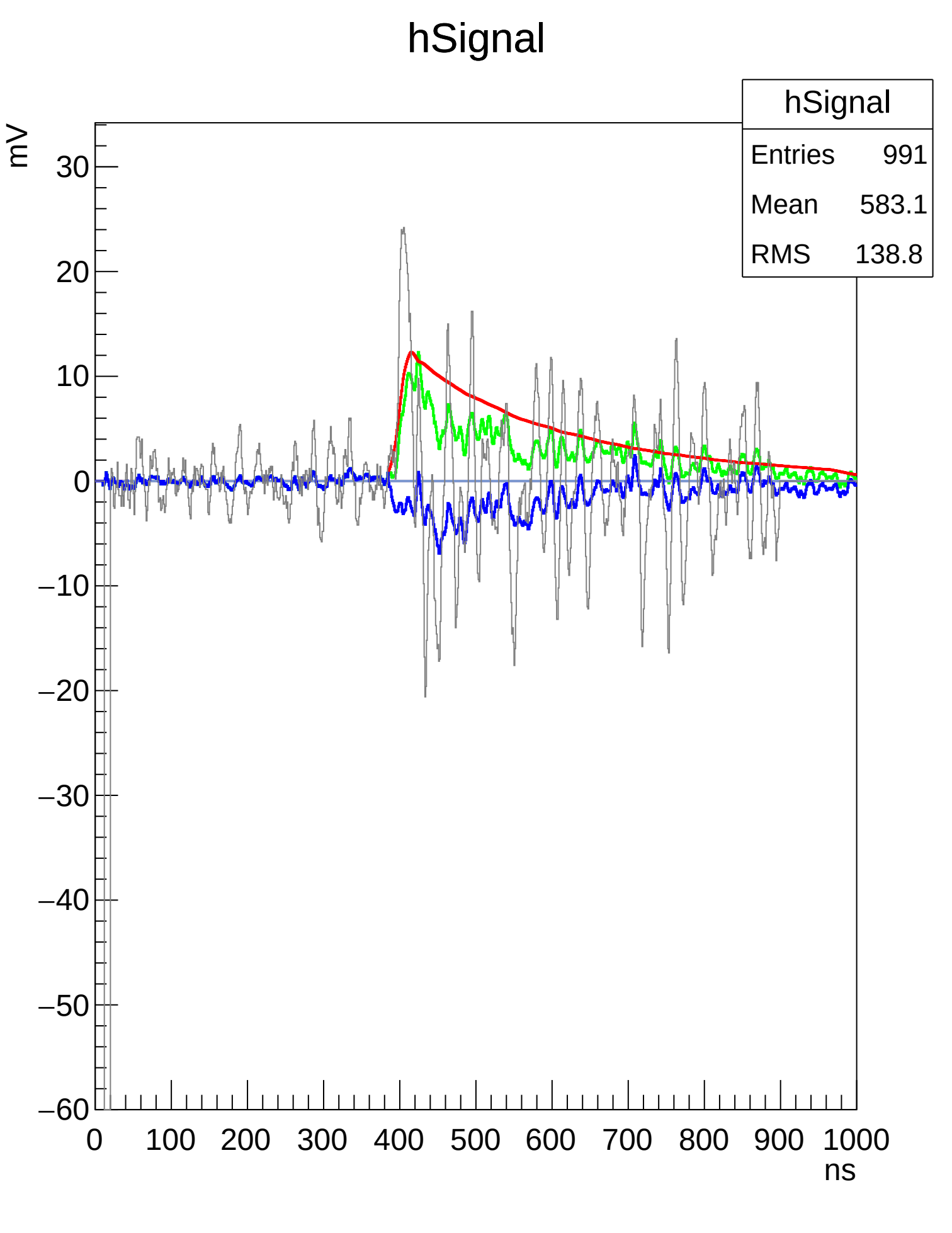
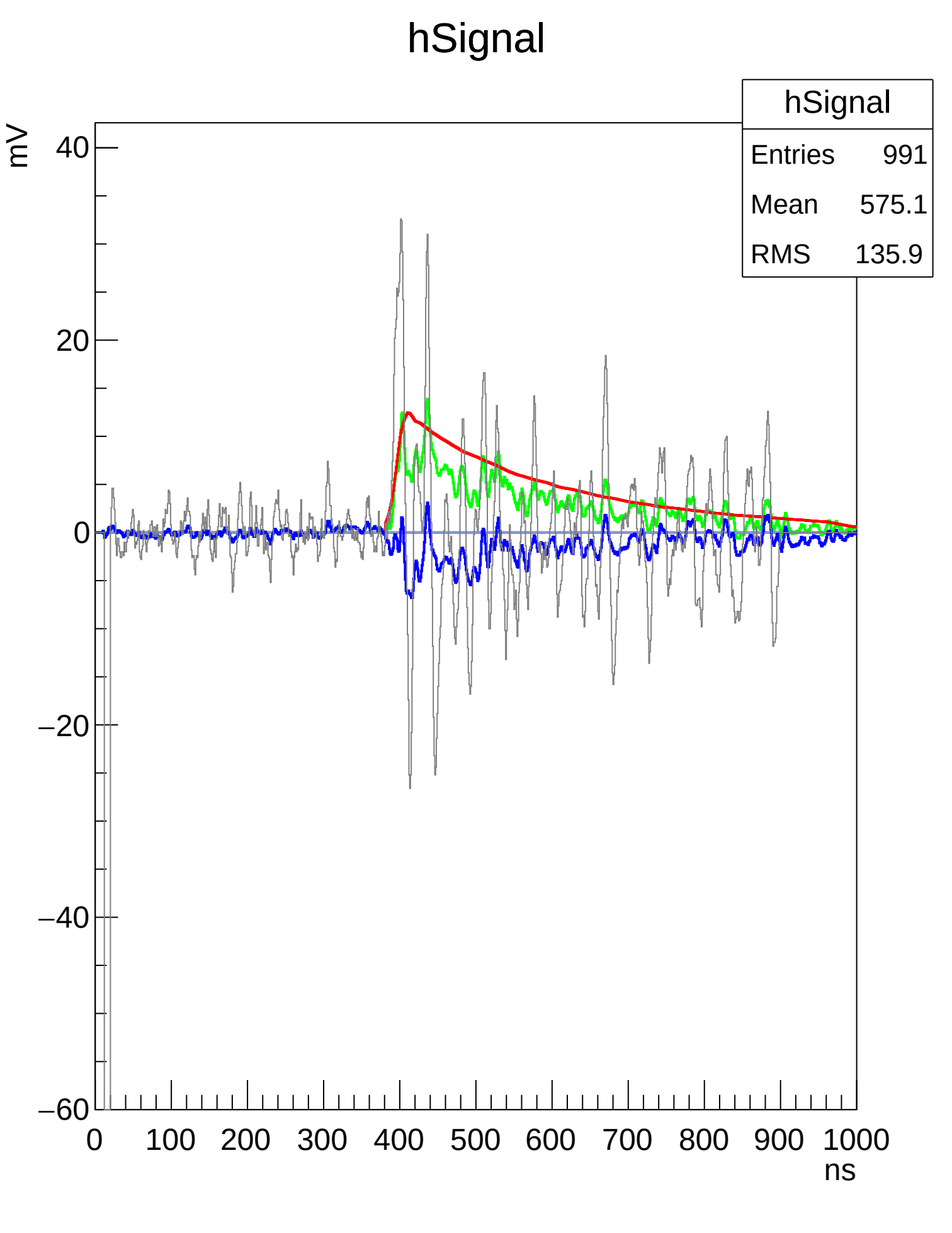
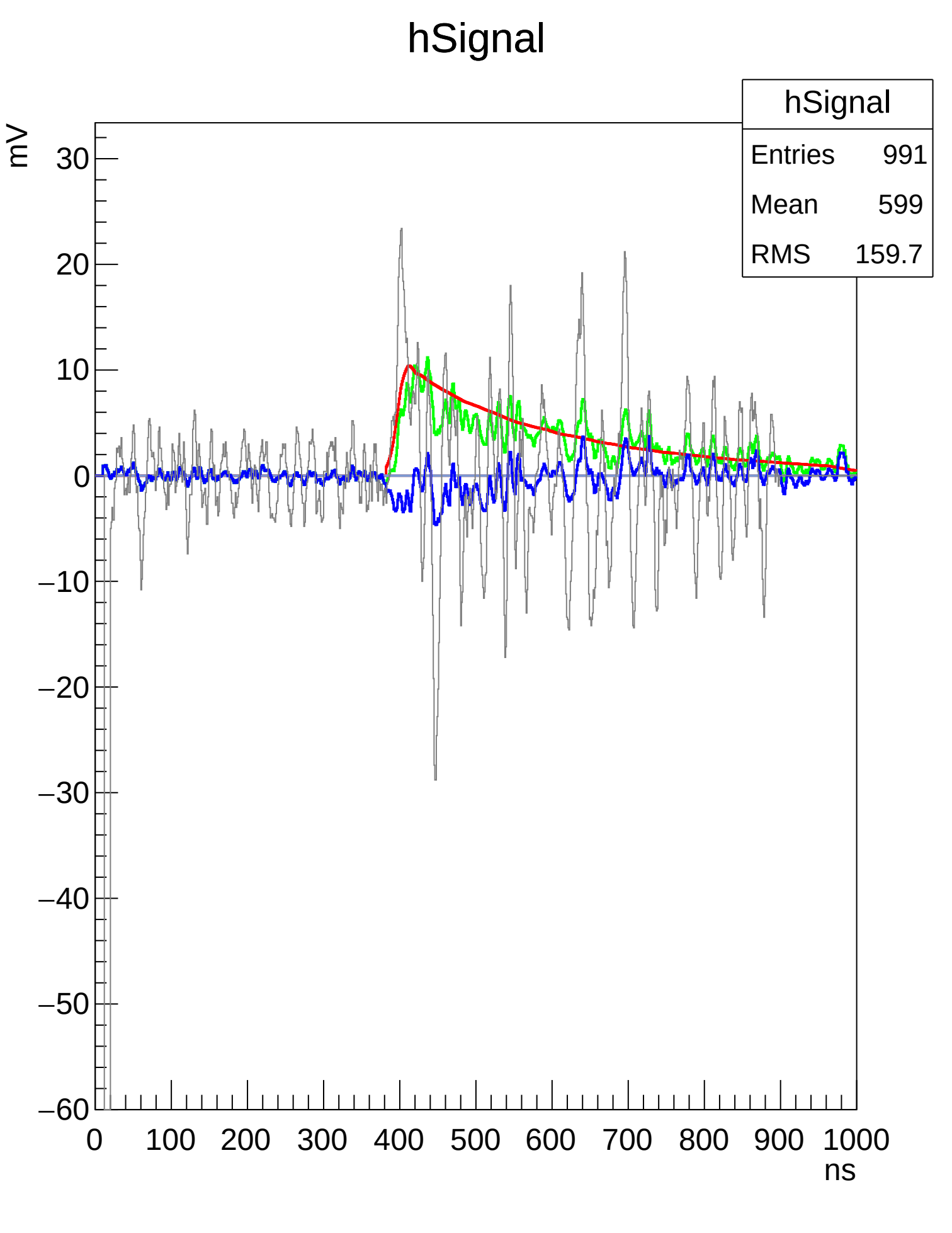
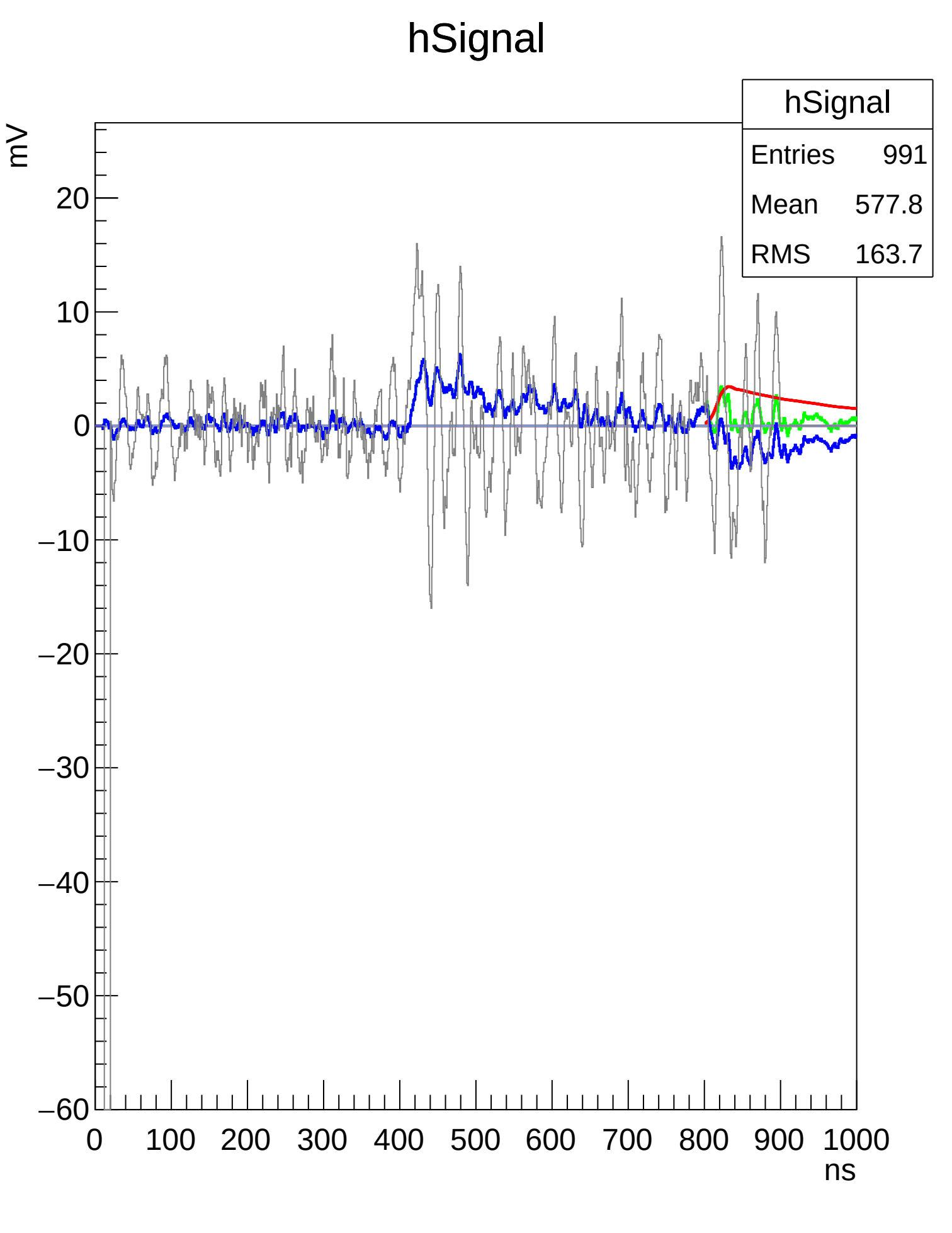
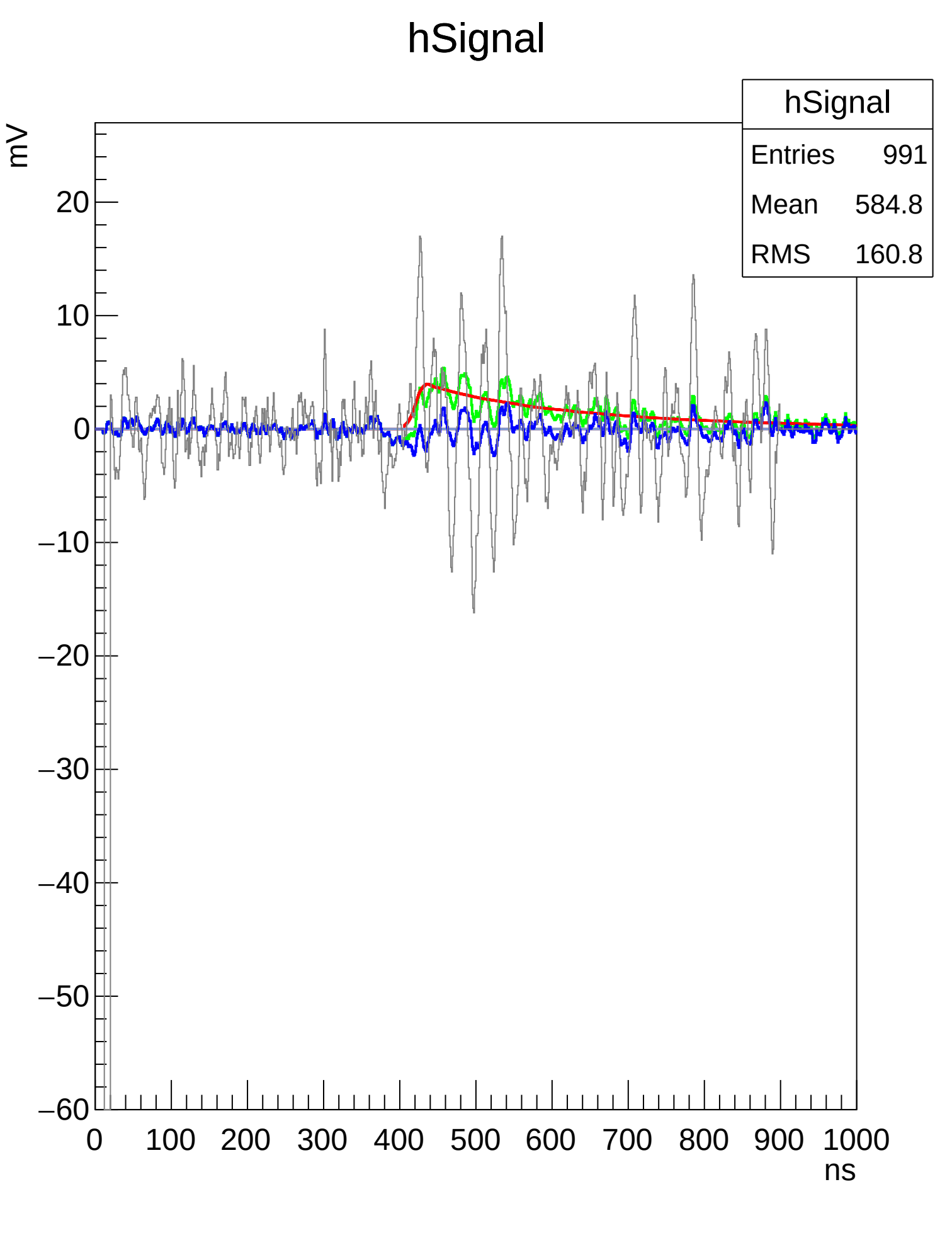
600
700
800
900
1000
ns

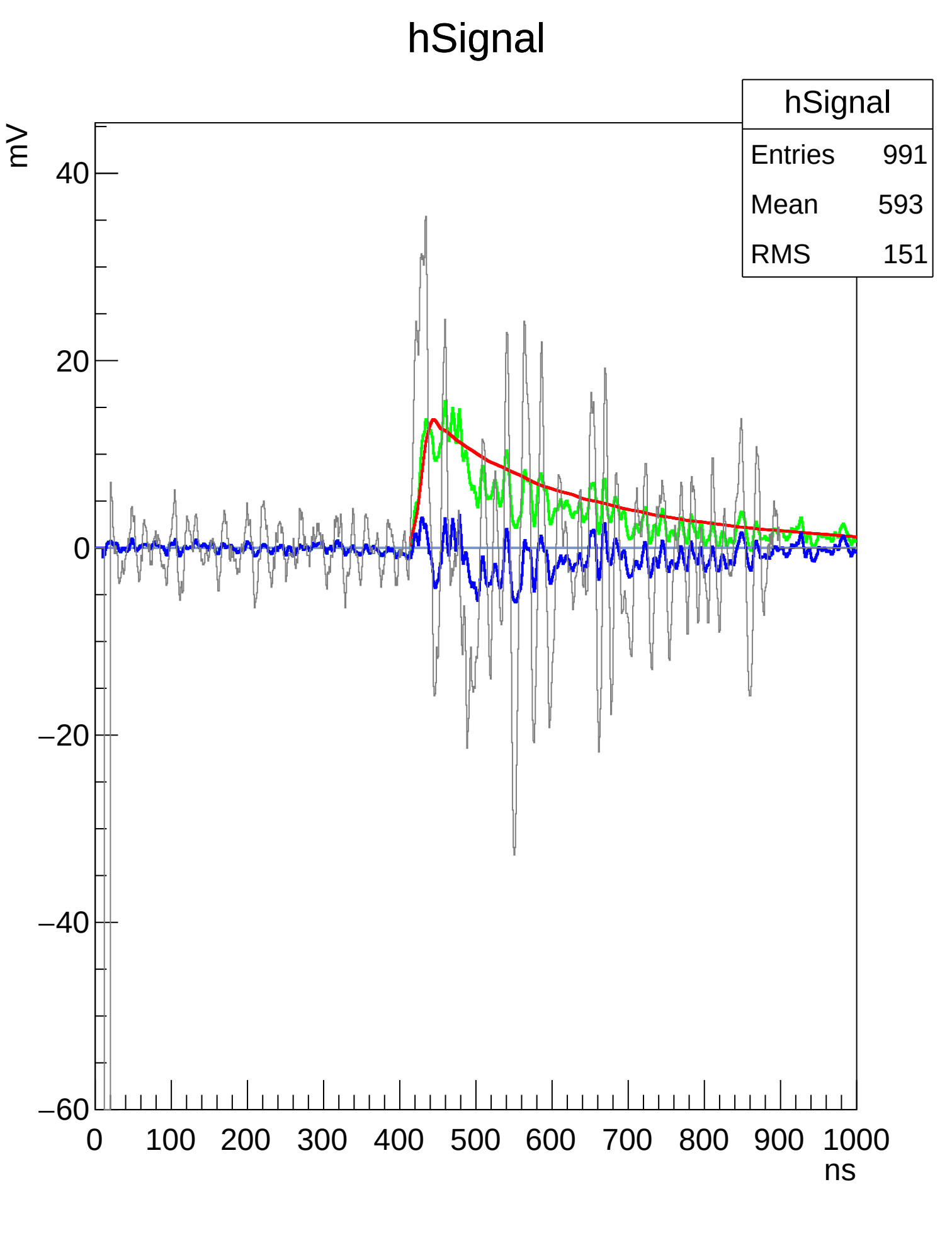

hSignal
hSignal
Entries 991
Mean 583.1
RMS 138.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.1
RMS 135.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599
RMS 159.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 163.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.8
RMS 160.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593
RMS 151
mV
40
20
0
−20
−40
−60
0
100
200
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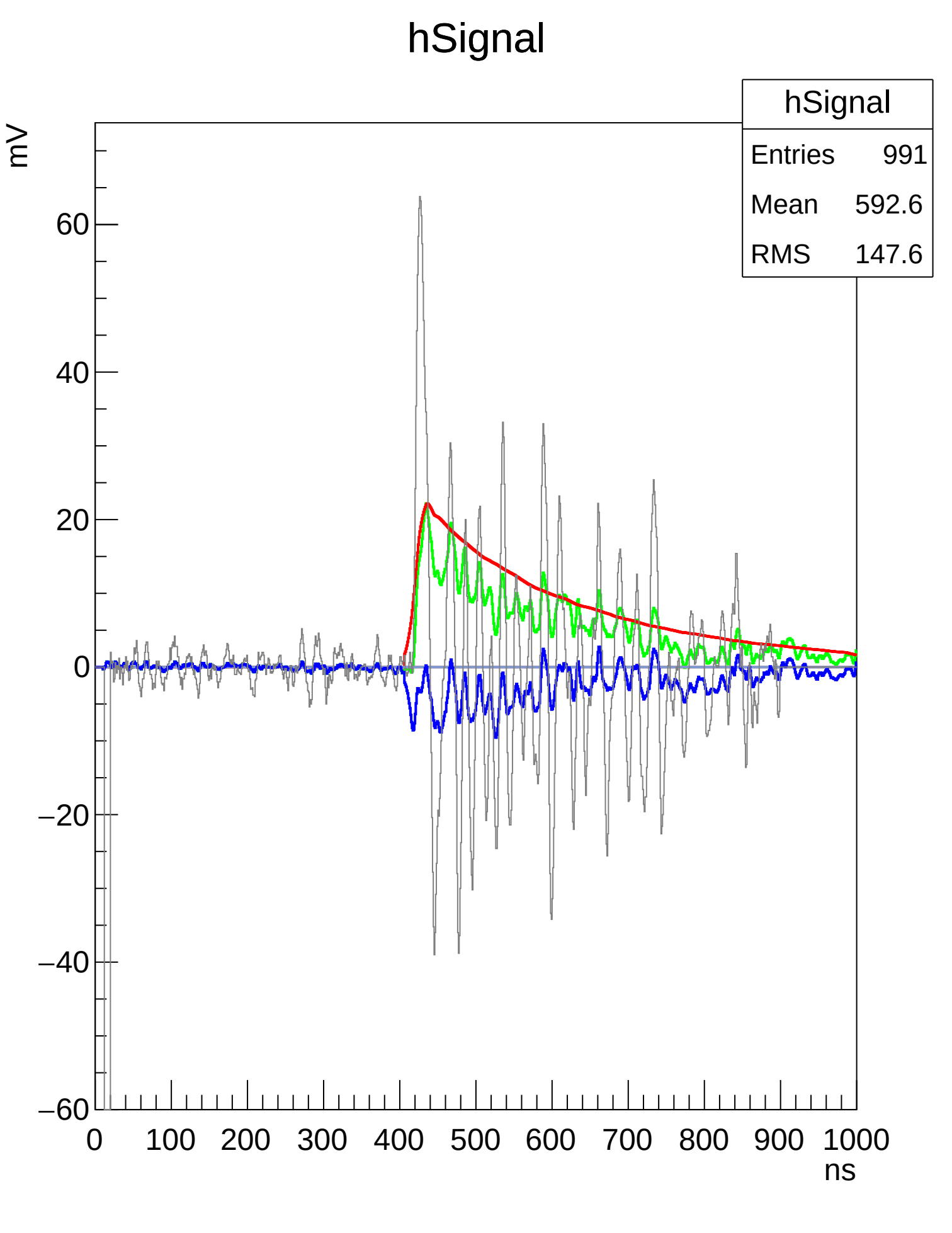
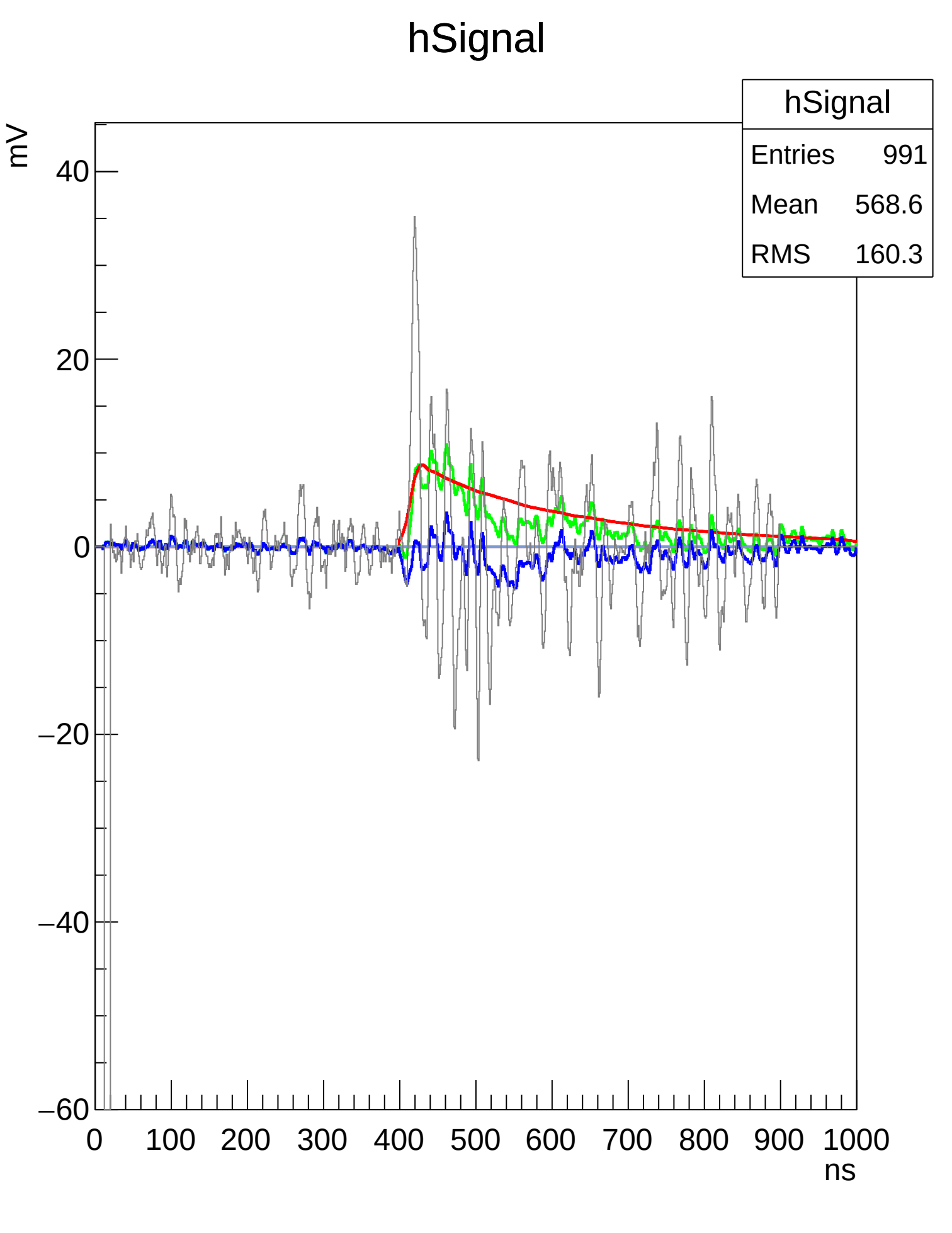
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.6
RMS 147.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.6
RMS 160.3
mV
40
20
0
−20
−40
−60
0
100
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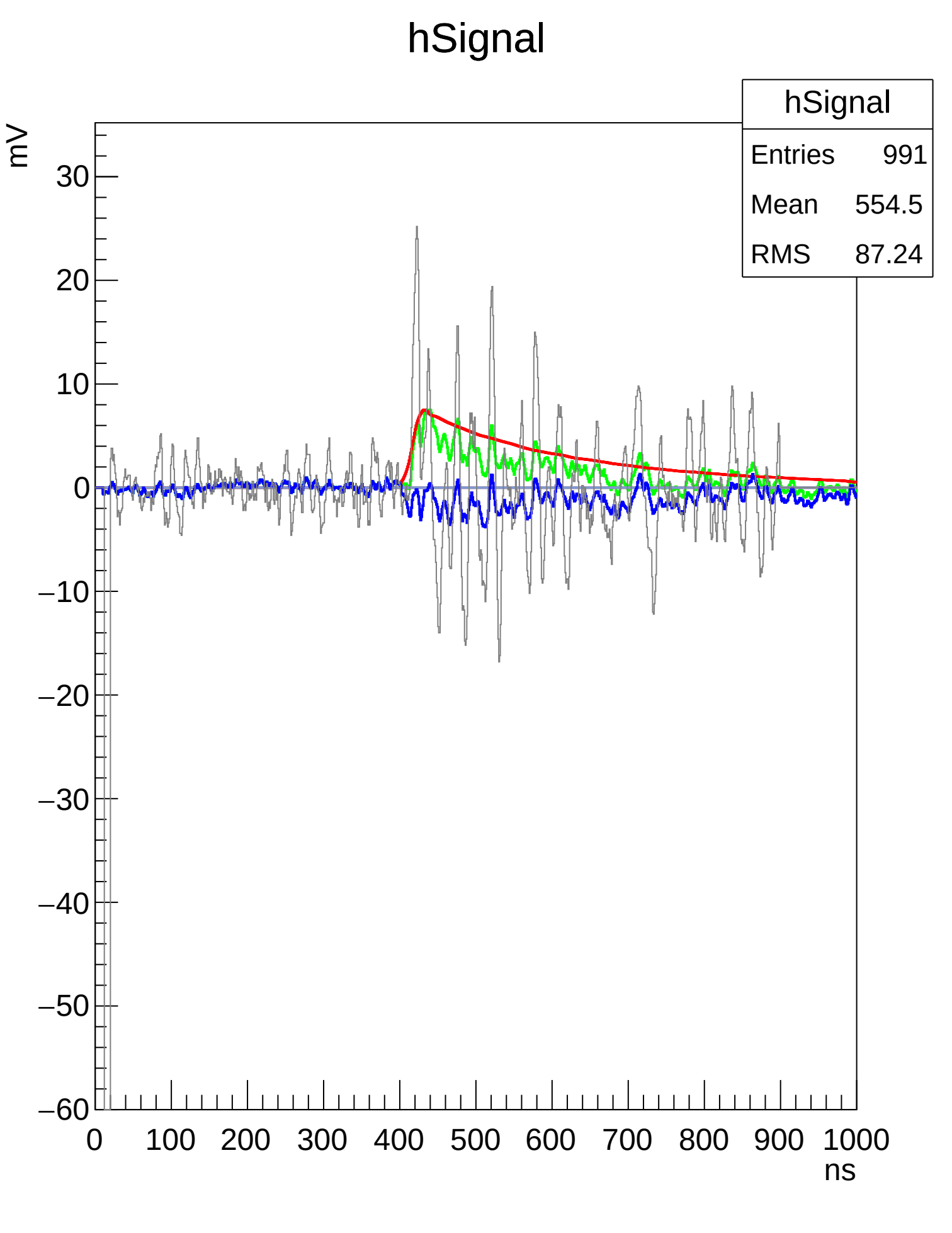
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.5
RMS 87.24
mV
30
20
10
0
−10
−20
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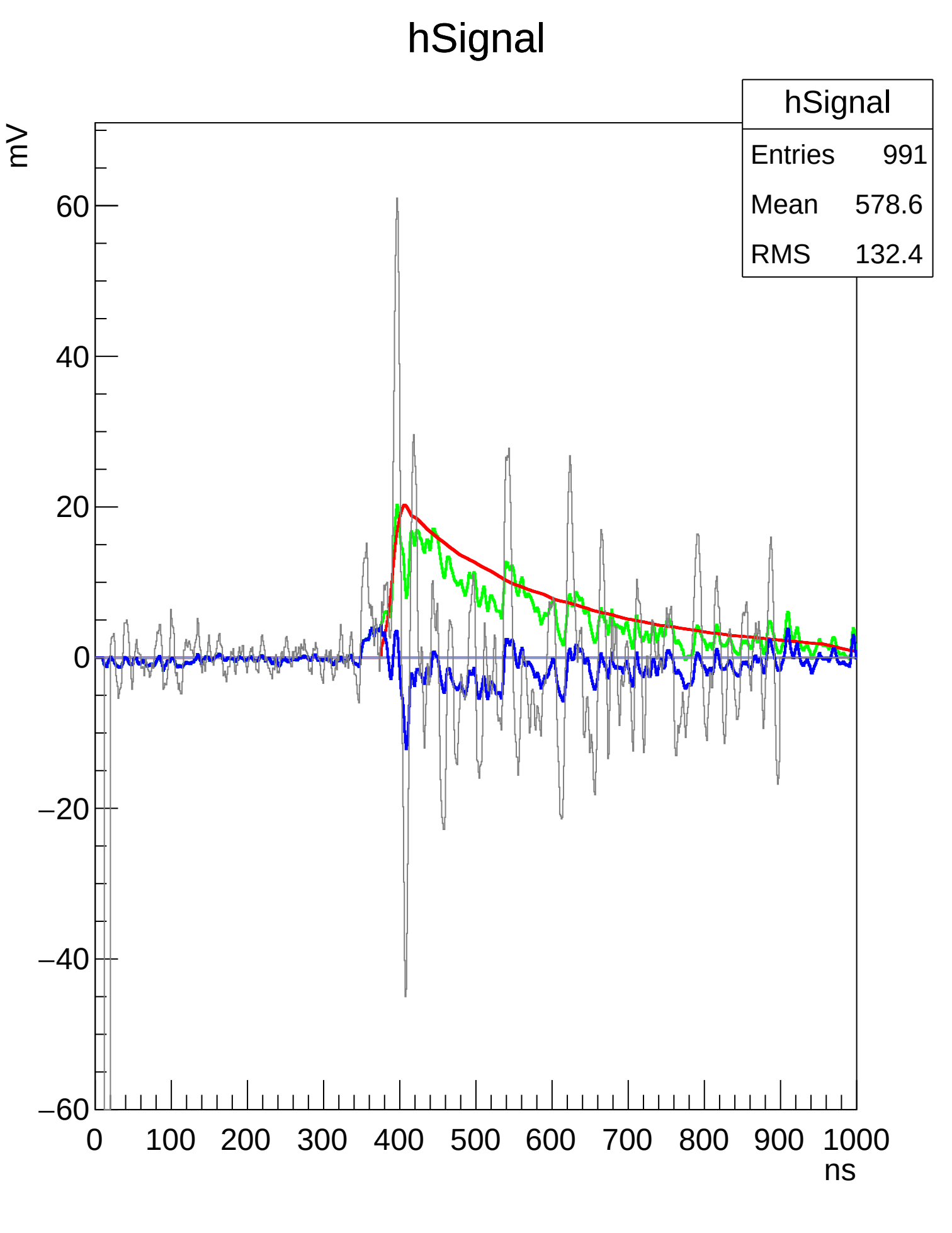
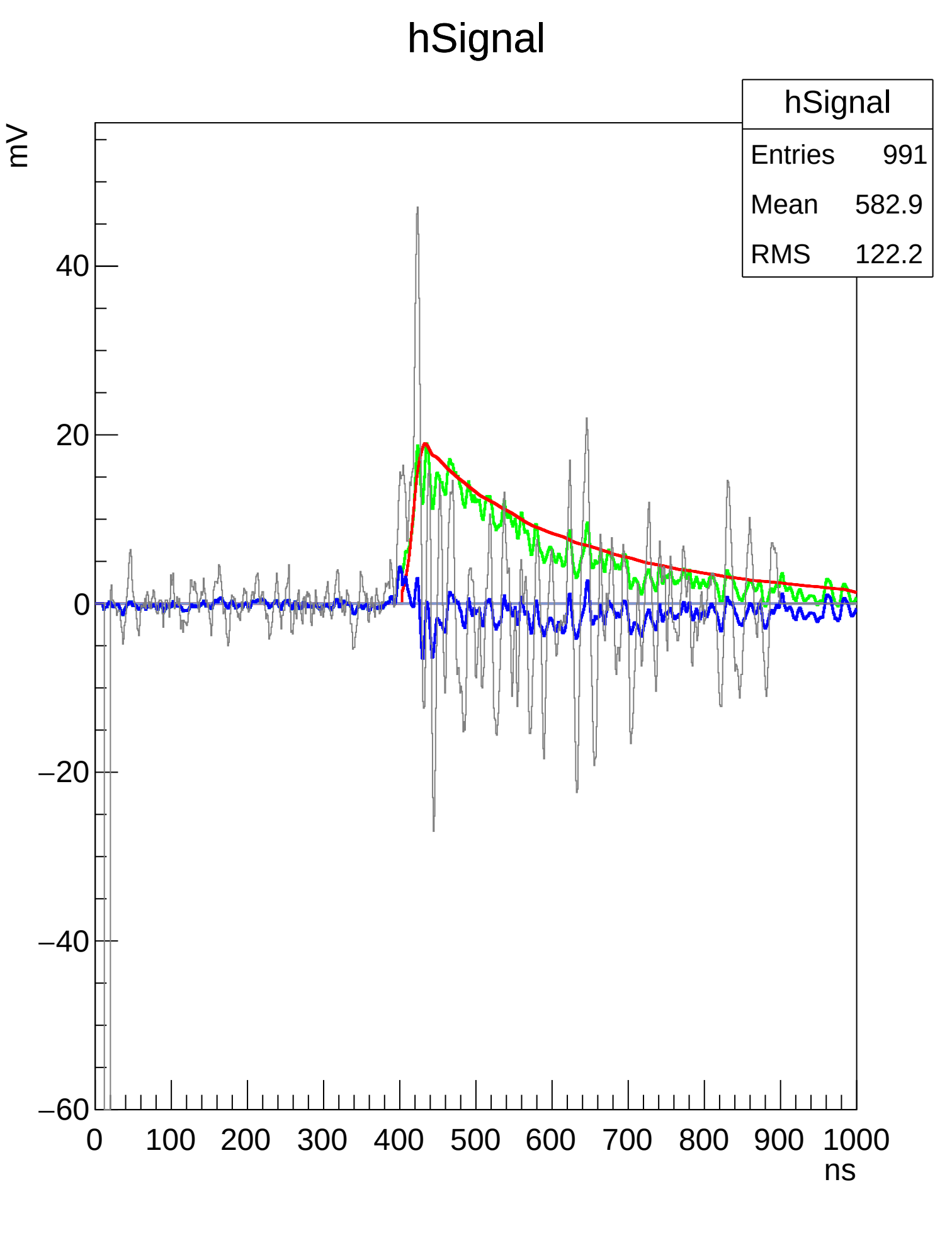
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.6
RMS 132.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.9
RMS 122.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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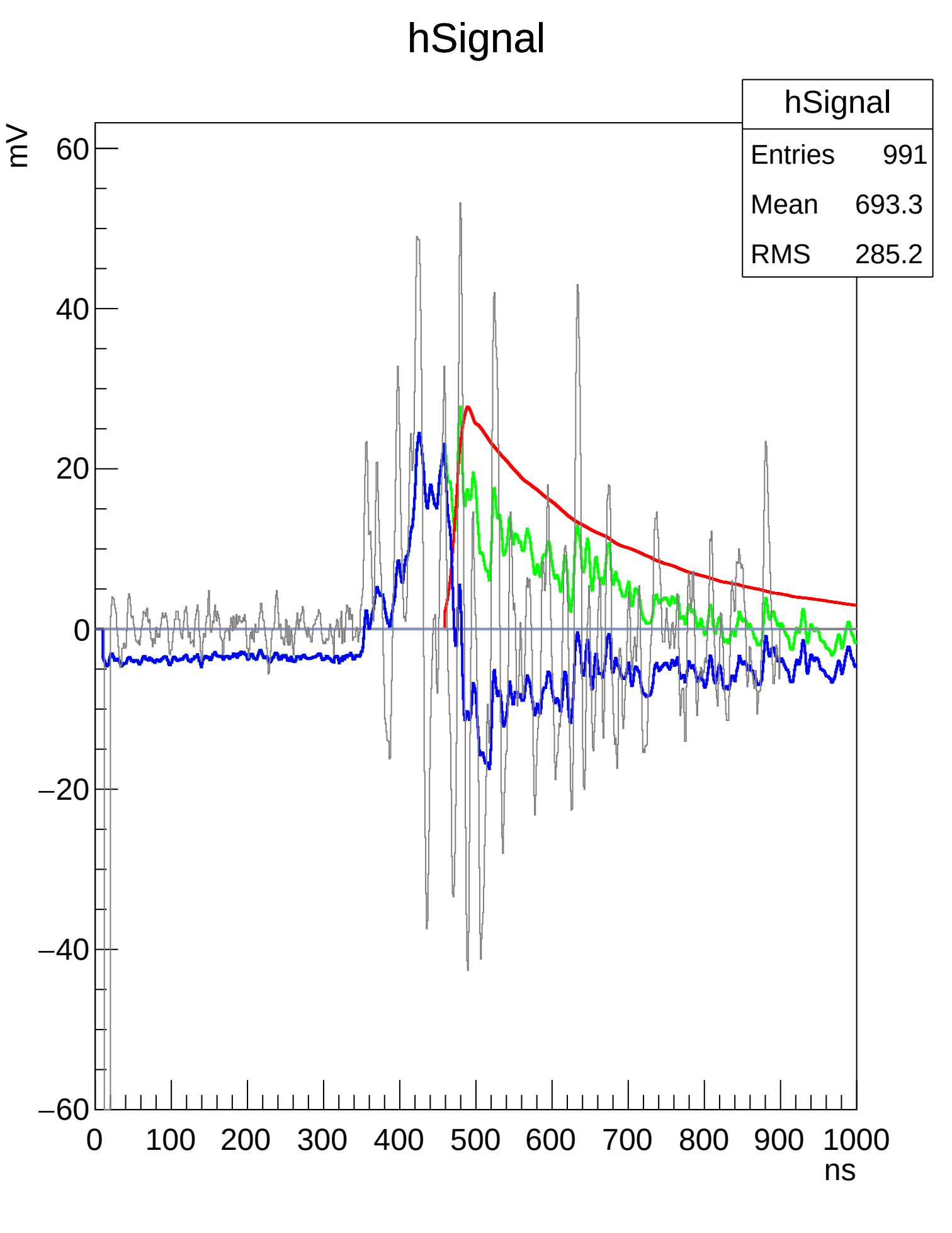
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 693.3
RMS 285.2
mV
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0
−20
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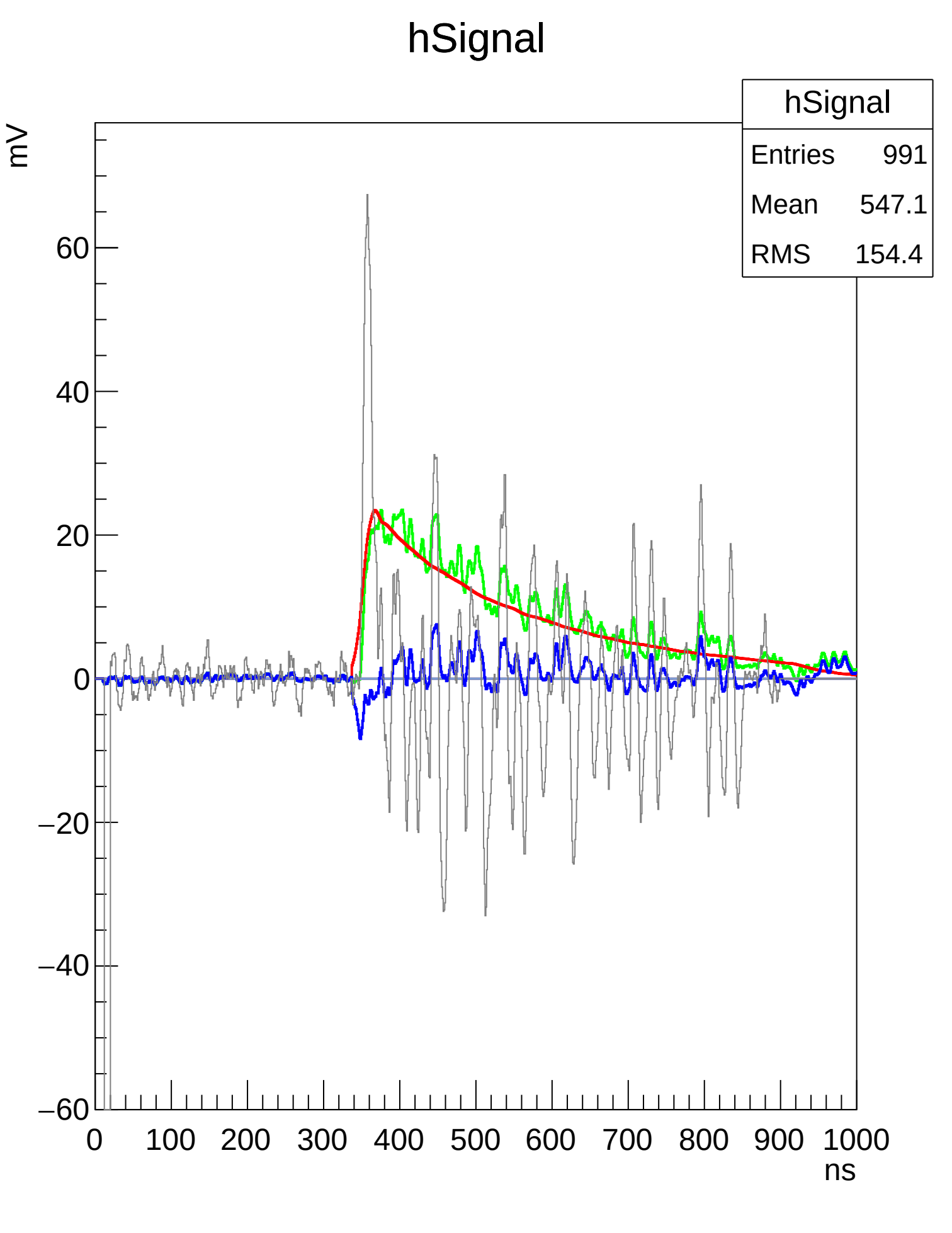
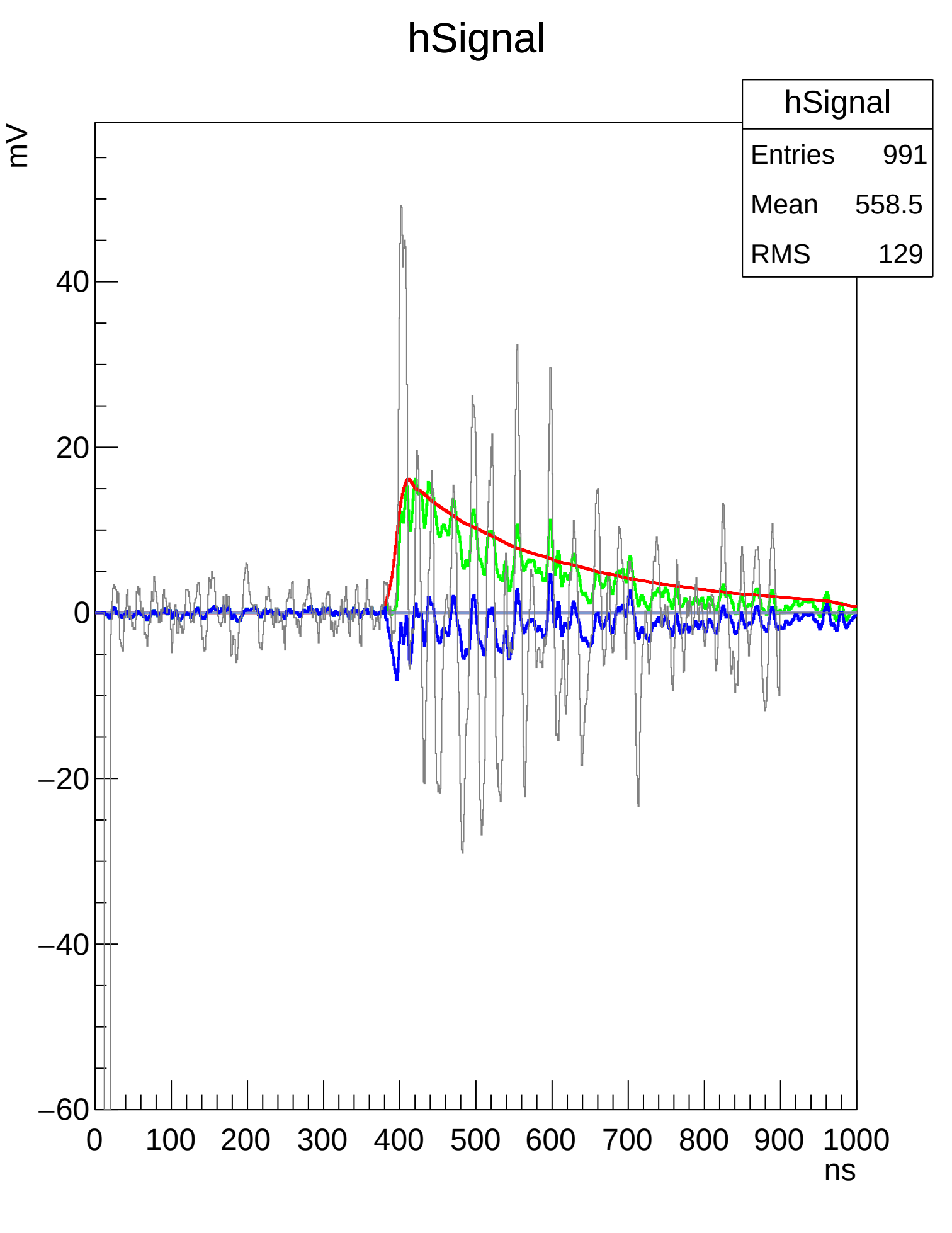
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.1
RMS 154.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.5
RMS 129
mV
40
20
0
−20
−40
−60
0
100
200
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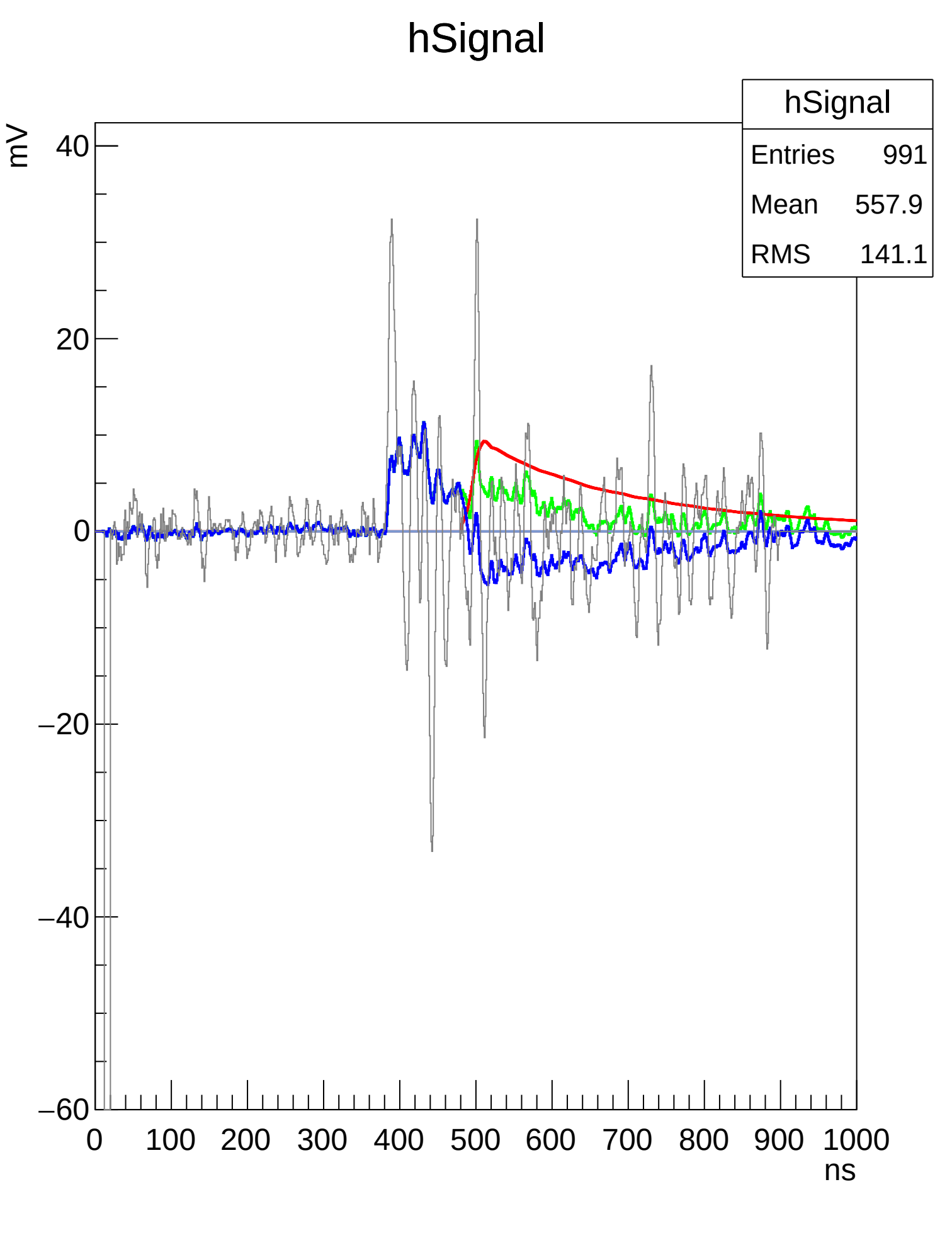
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.9
RMS 141.1
mV
40
20
0
−20
−40
−60
0
100
200
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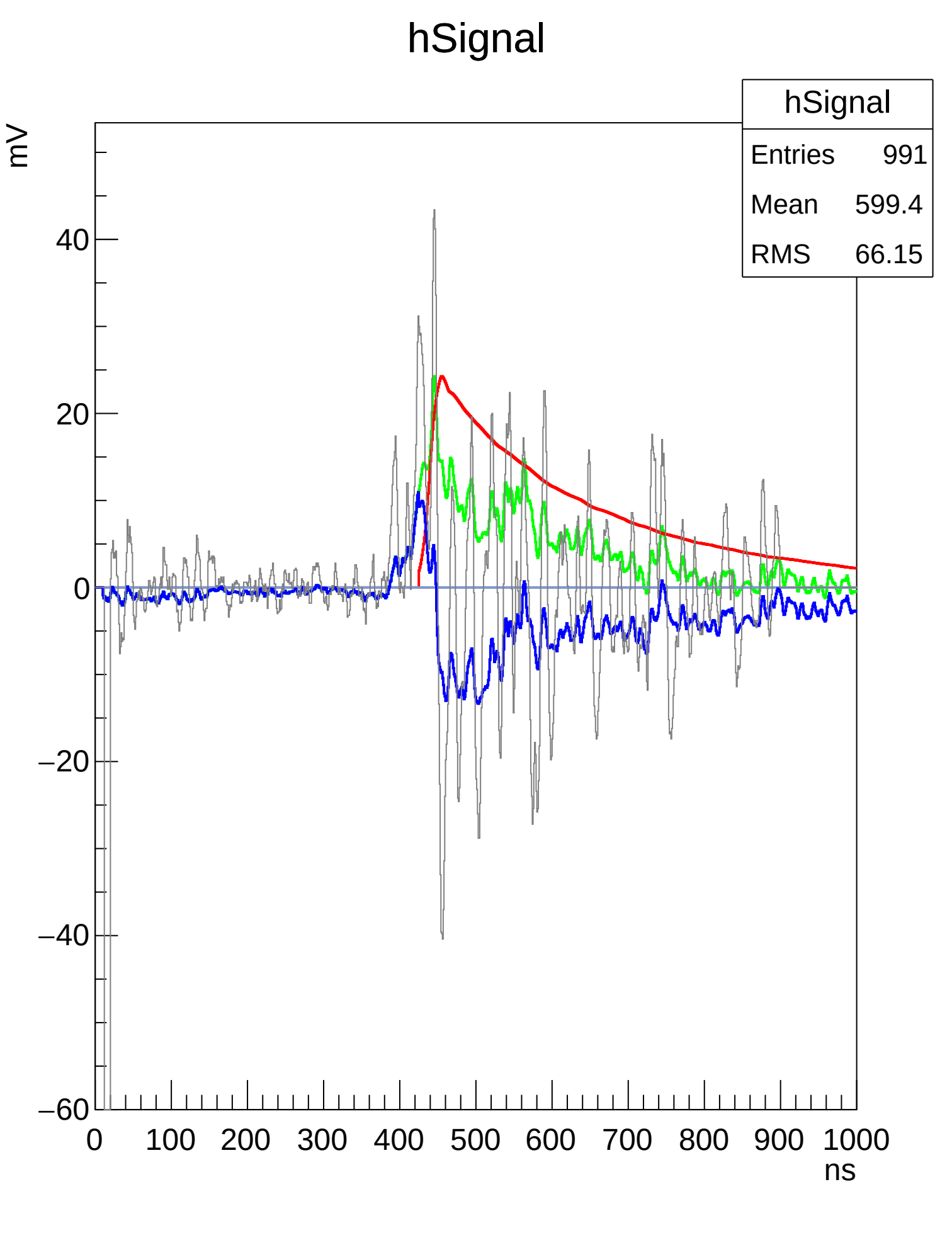
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.4
RMS 66.15
mV
40
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0
−20
−40
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0
100
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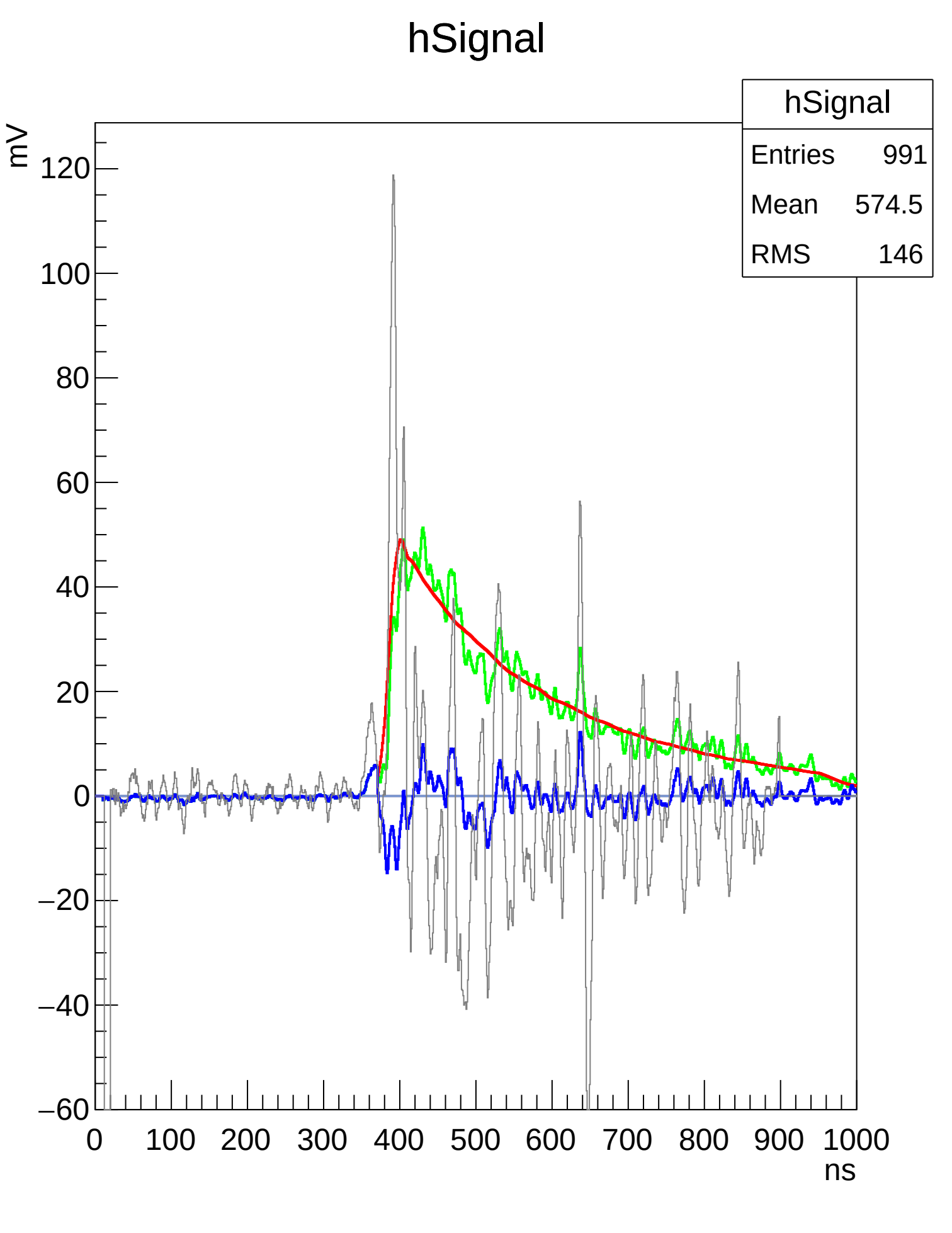
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.5
RMS 146
mV
120
100
80
60
40
20
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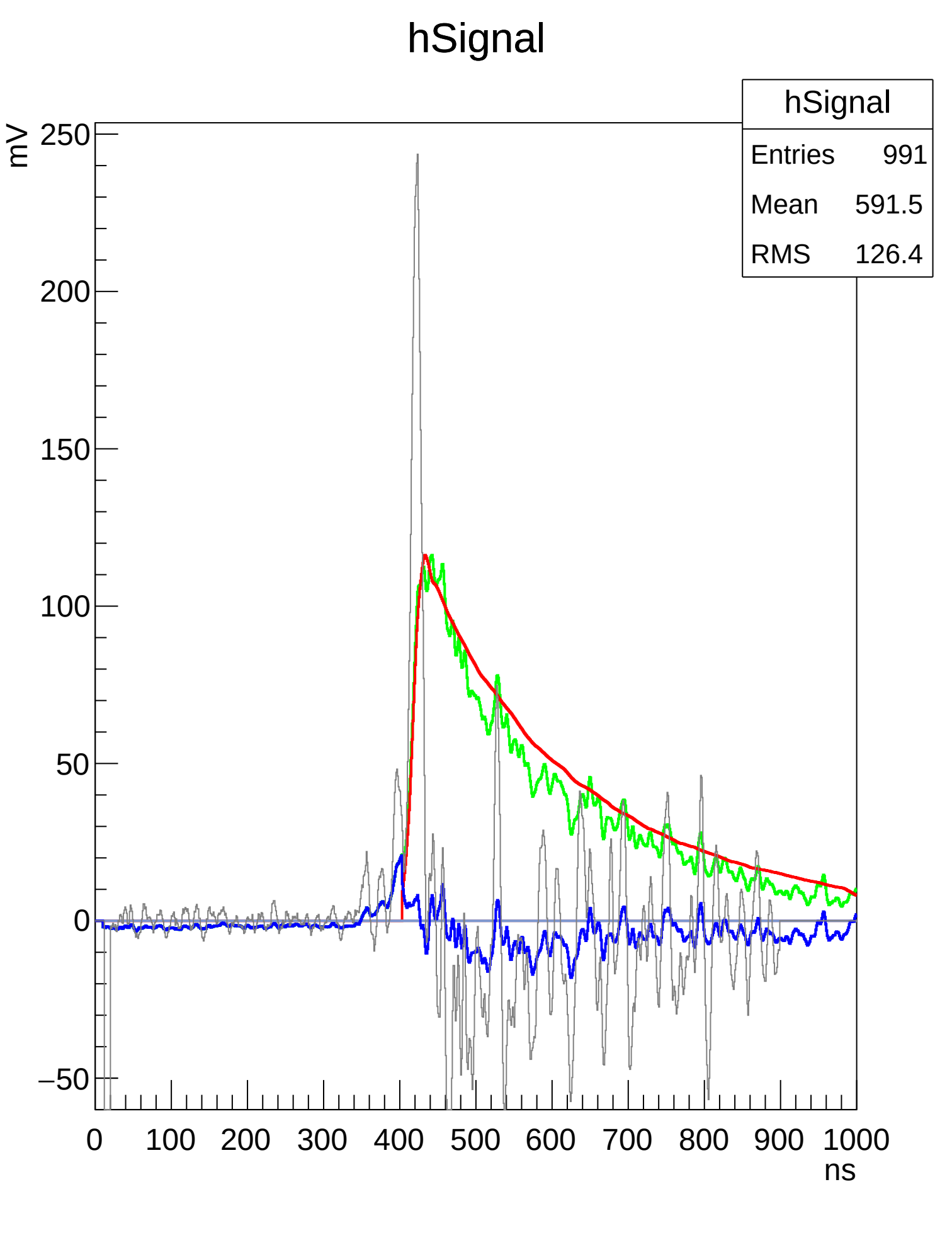
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.5
RMS 126.4
mV
250
200
150
100
50
0
−50
0
100
200
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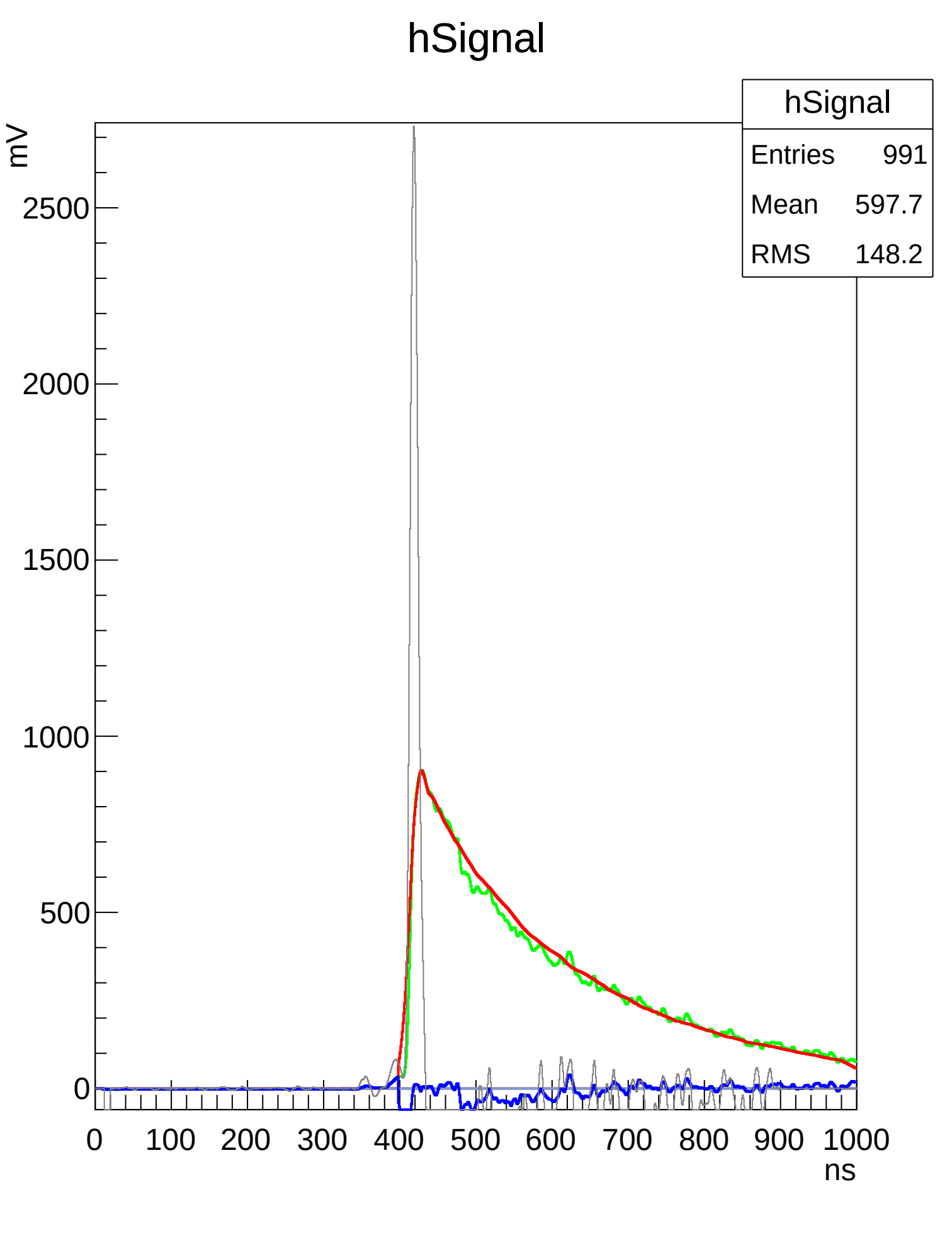
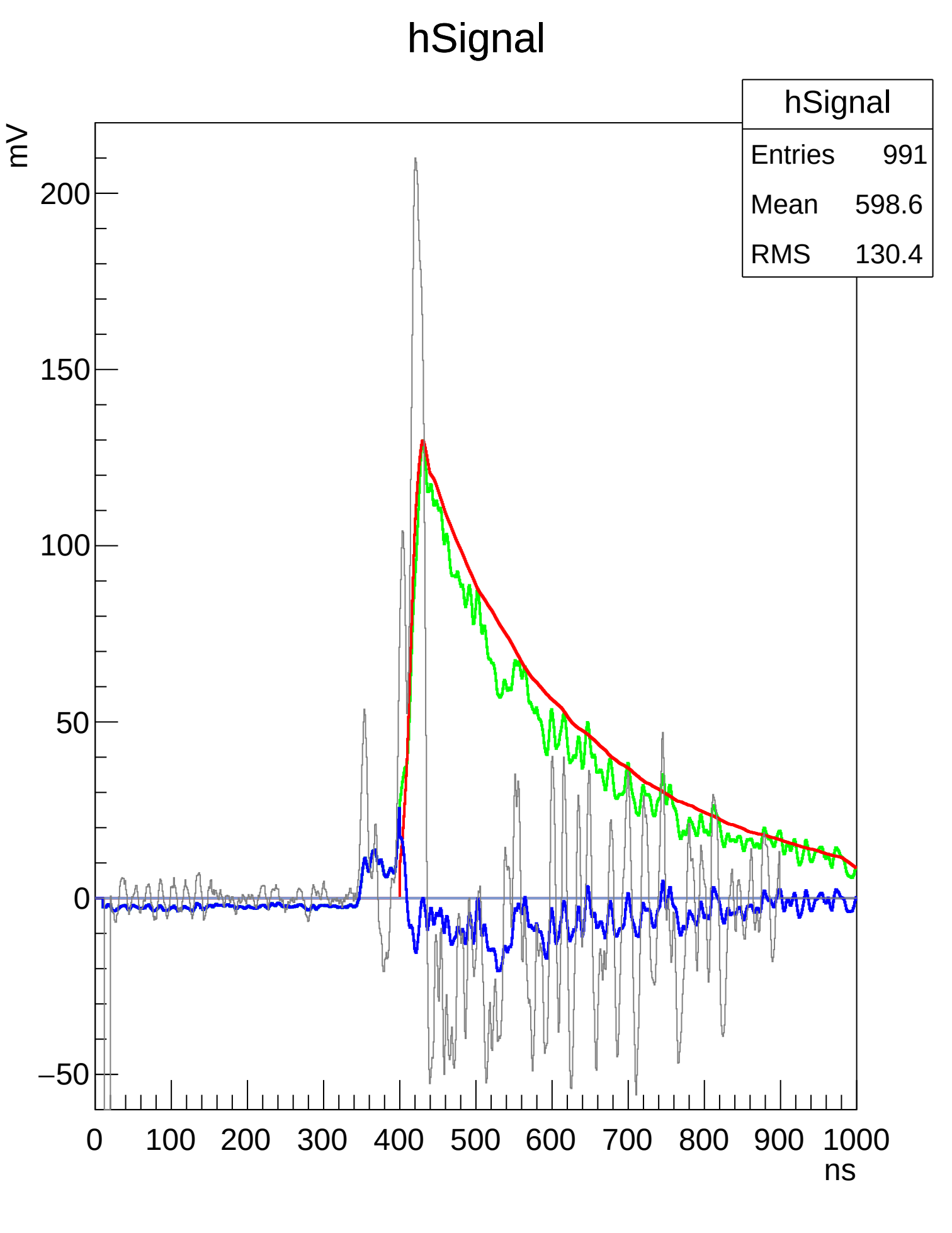
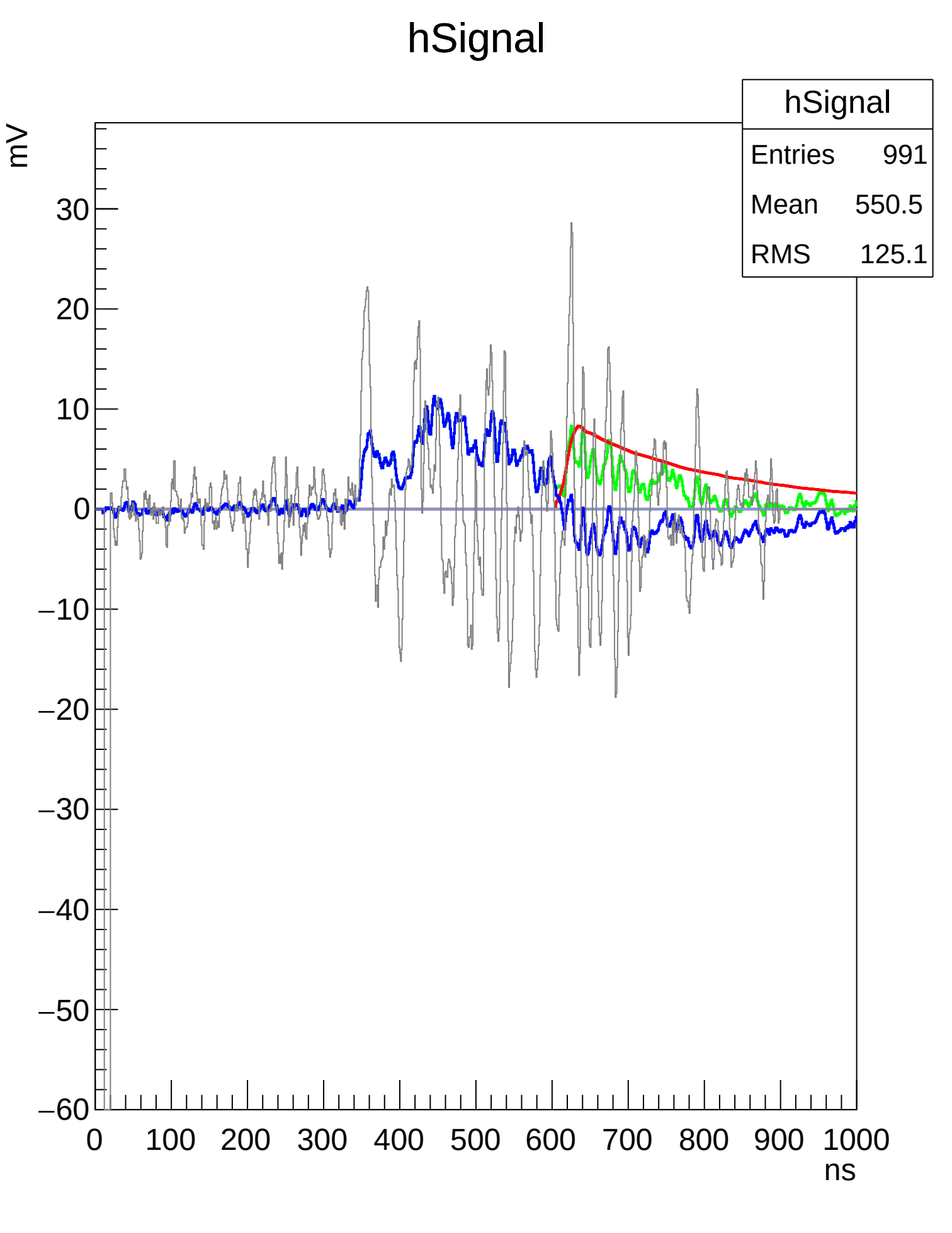
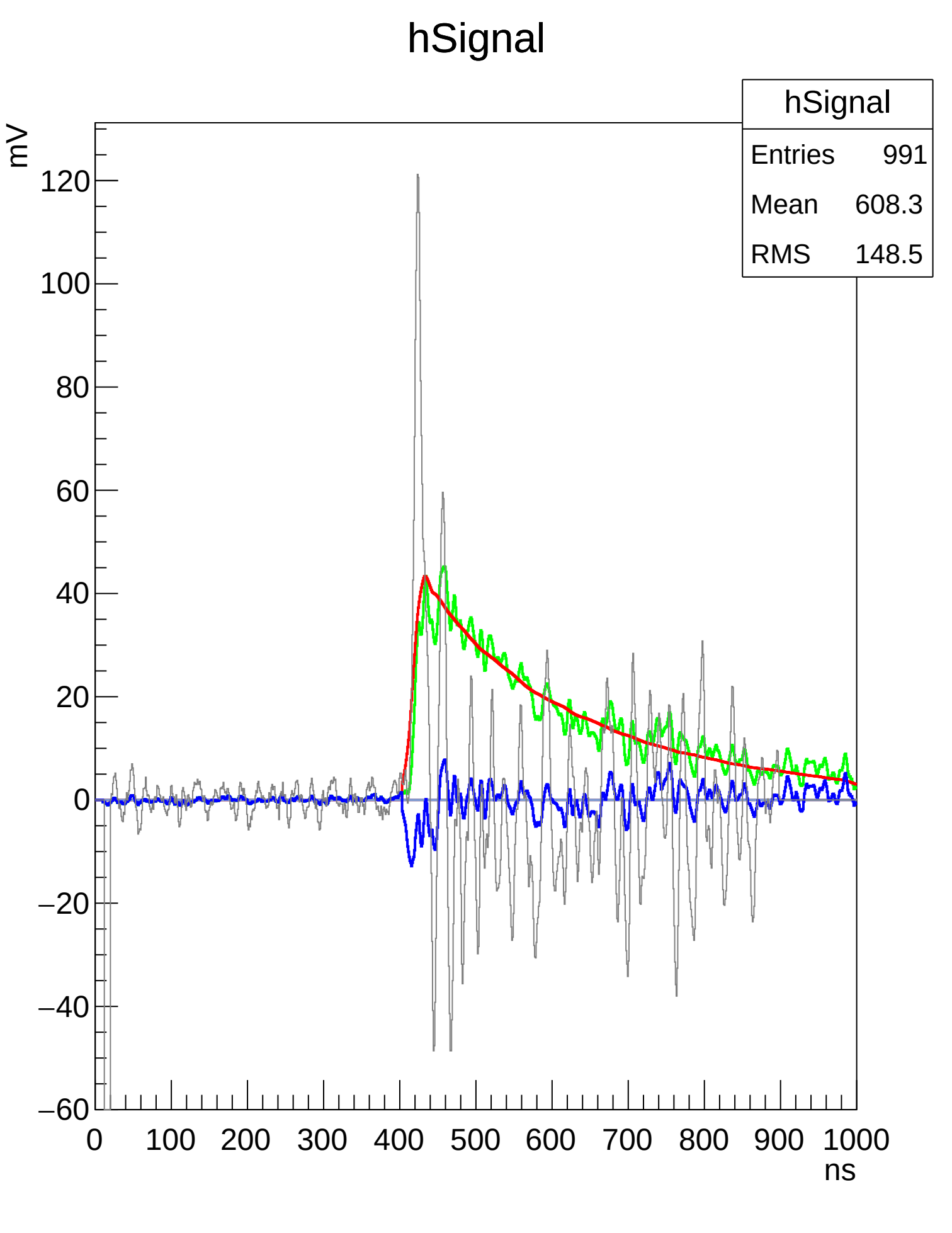
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 148.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 598.6
RMS 130.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.5
RMS 125.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.3
RMS 148.5
mV
120
100
80
60
40
20
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−20
−40
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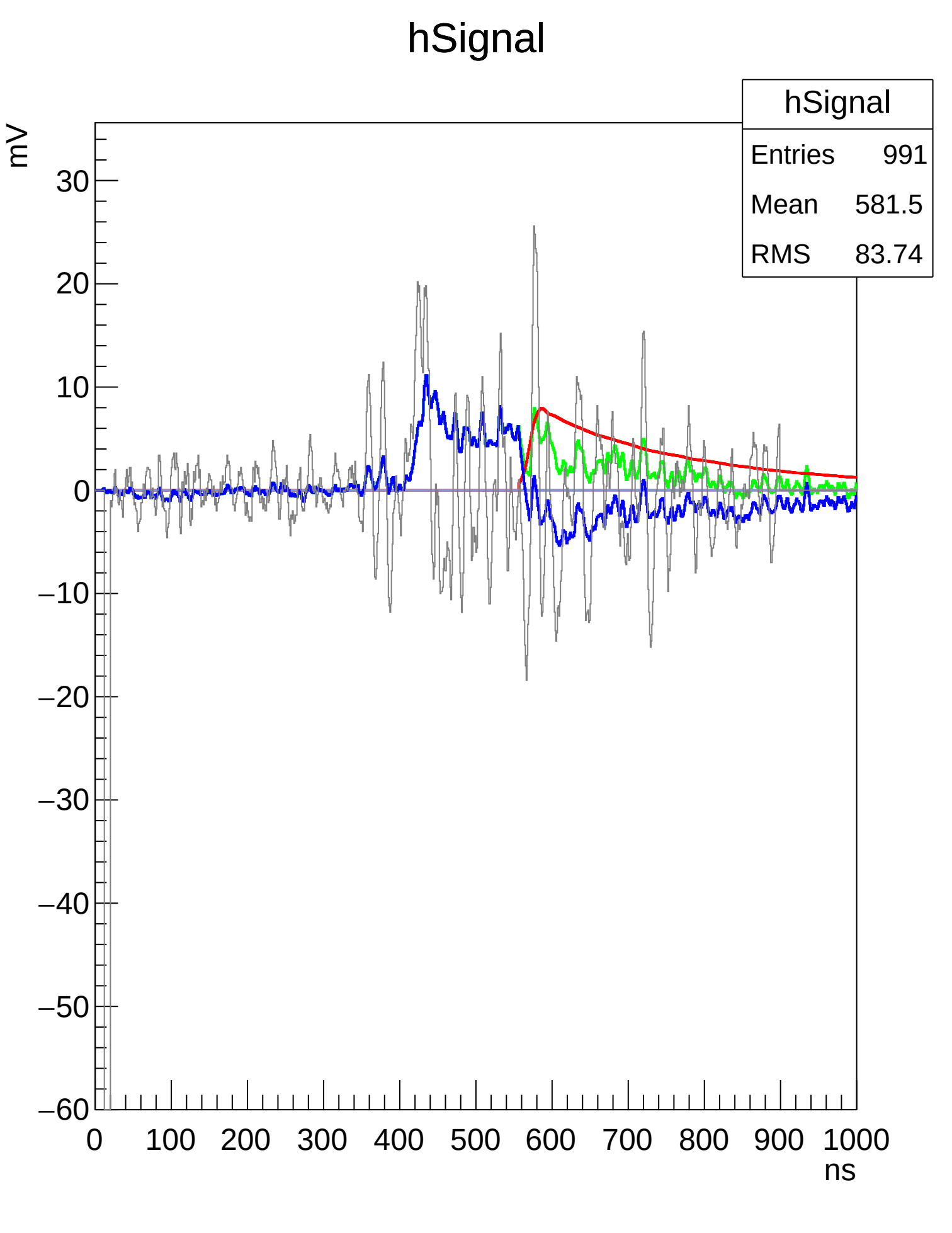
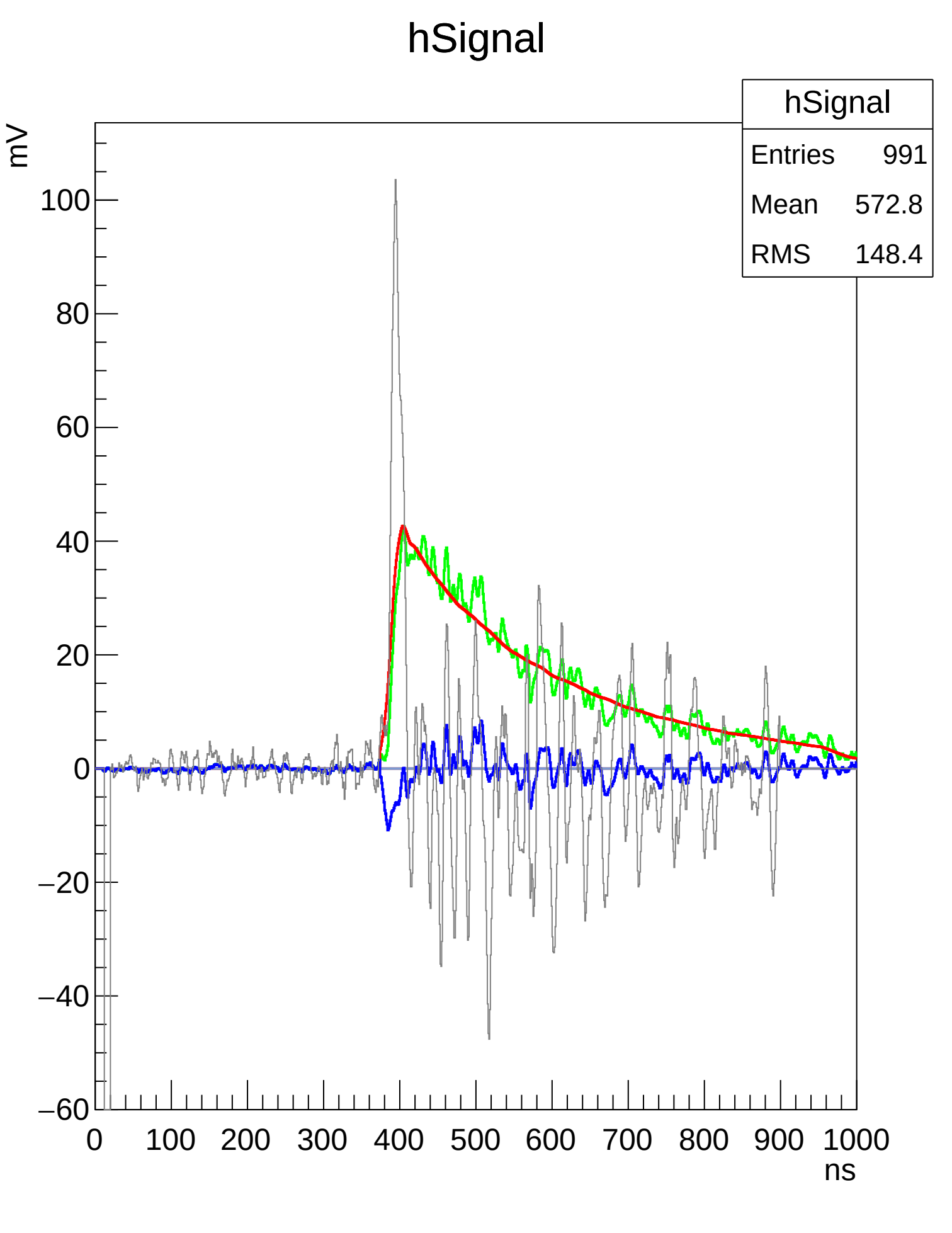
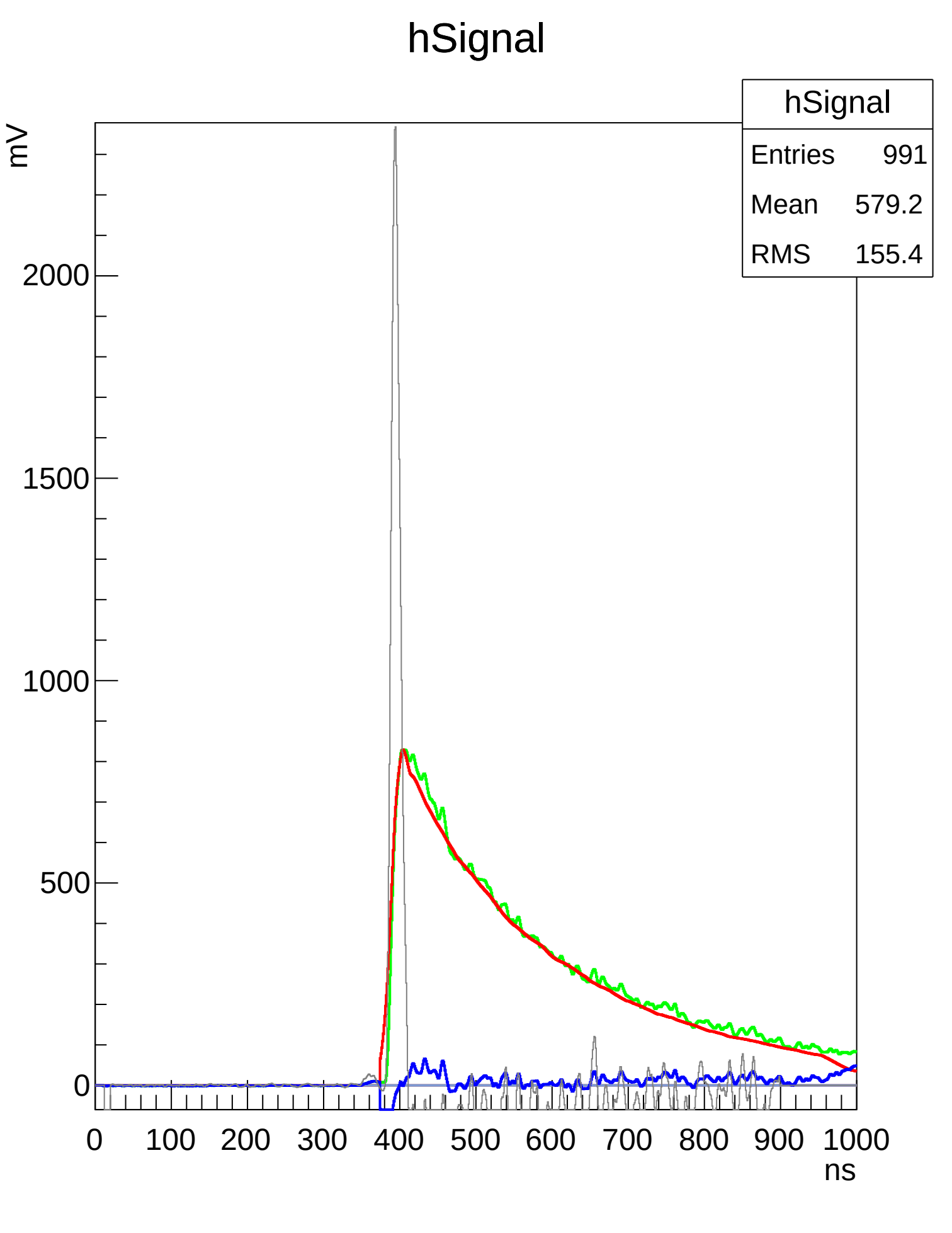
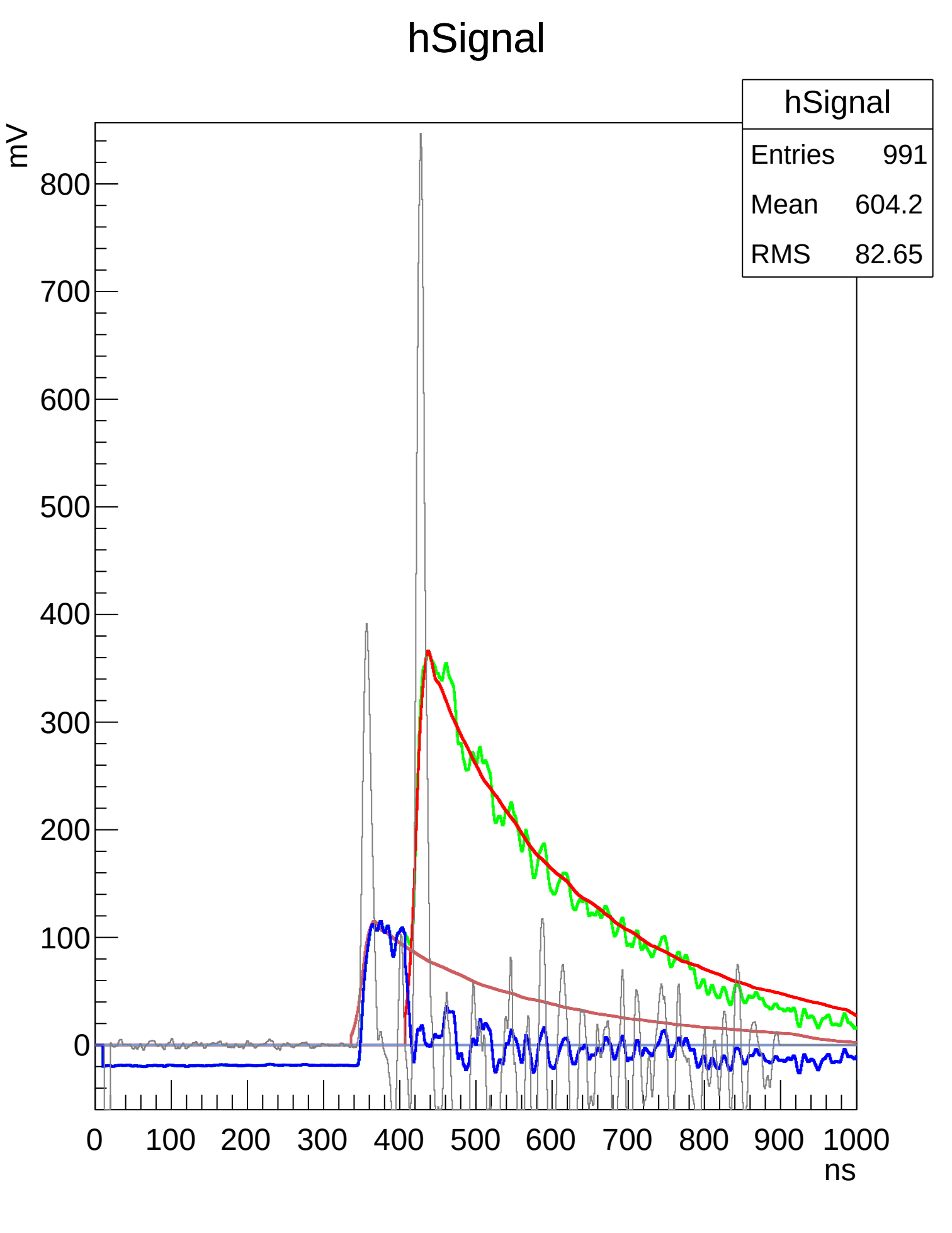
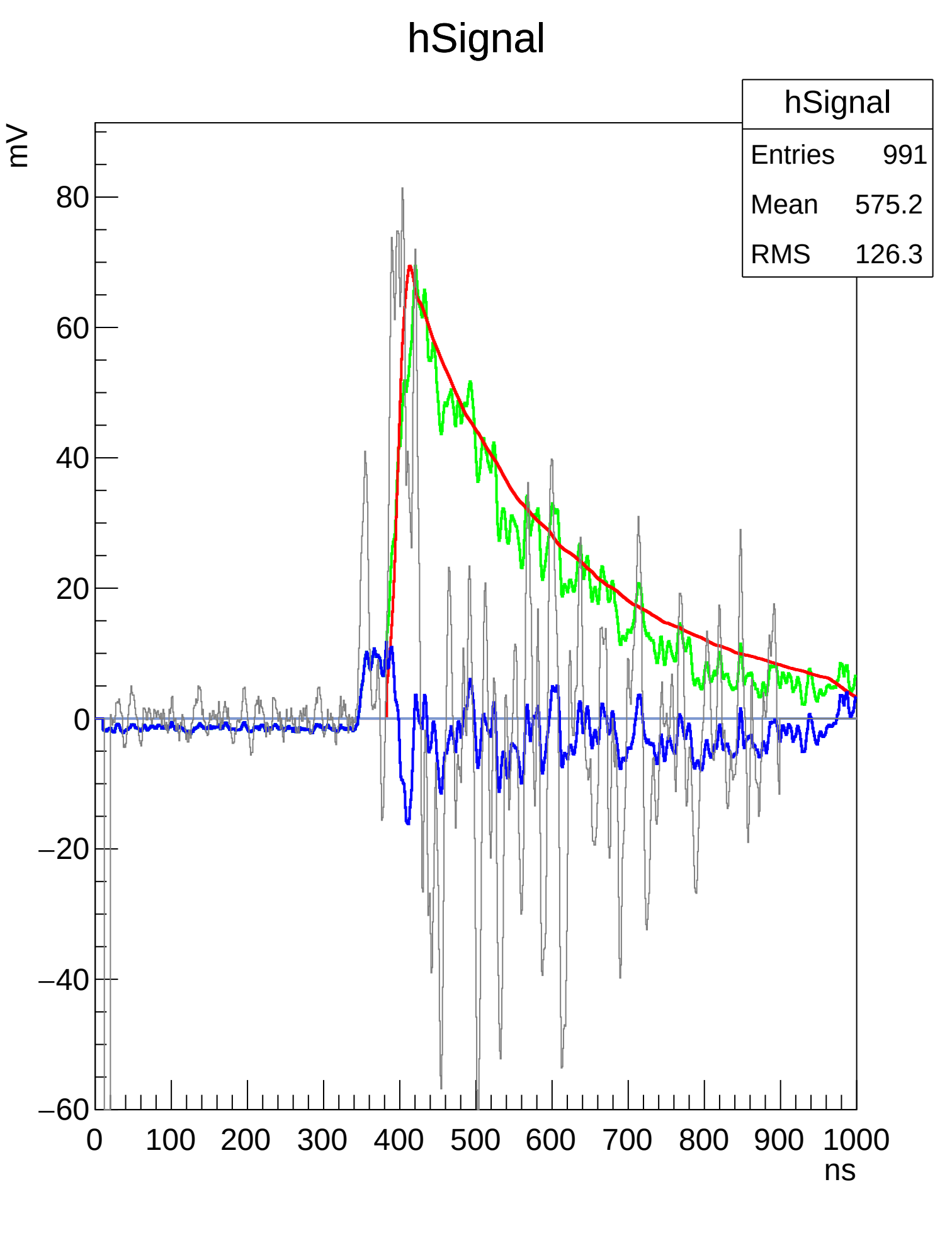
600
700
800
900
1000
ns

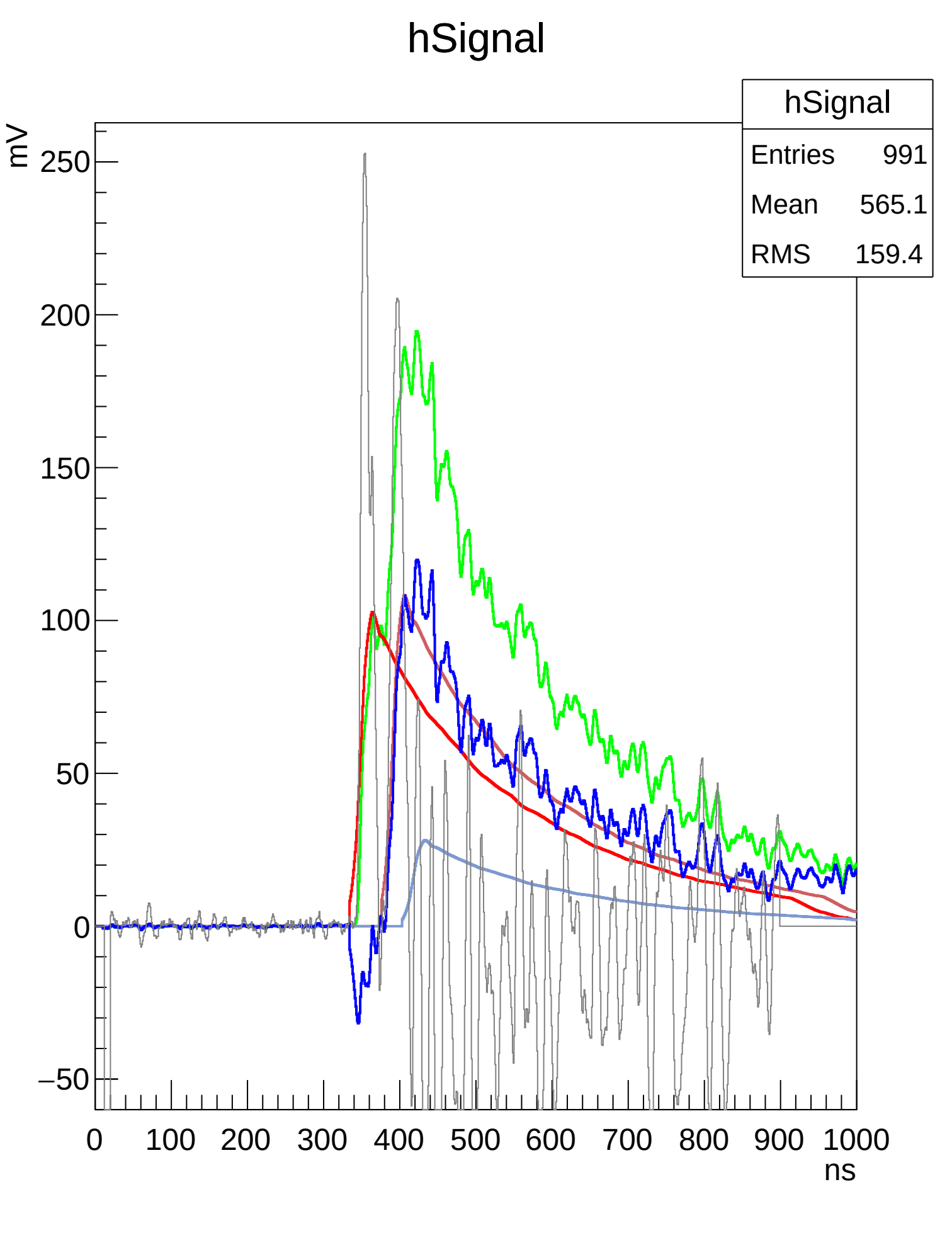

hSignal
hSignal
Entries 991
Mean 581.5
RMS 83.74
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.8
RMS 148.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 155.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.2
RMS 82.65
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 575.2
RMS 126.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.1
RMS 159.4
mV
250
200
150
100
50
0
−50
0
100
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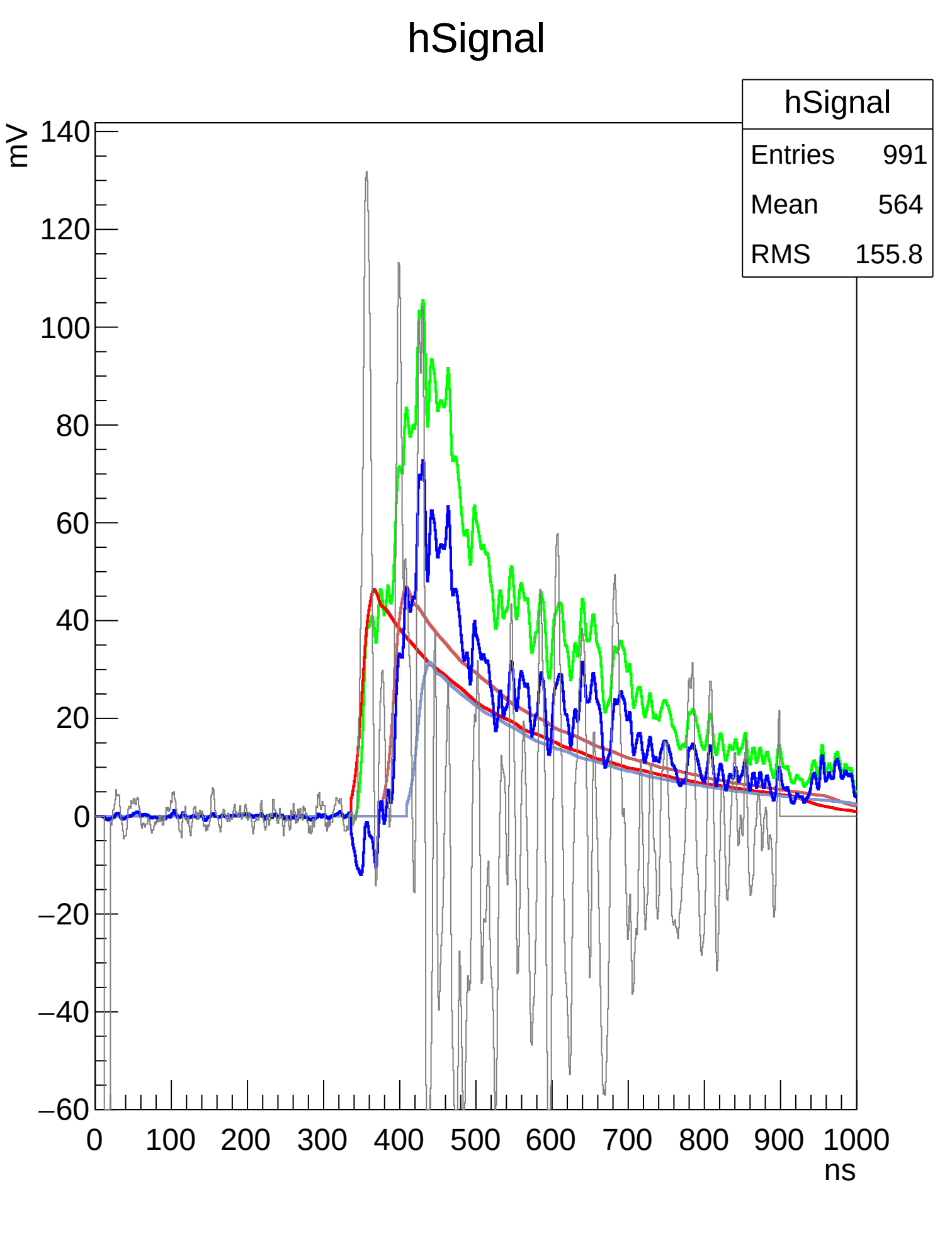
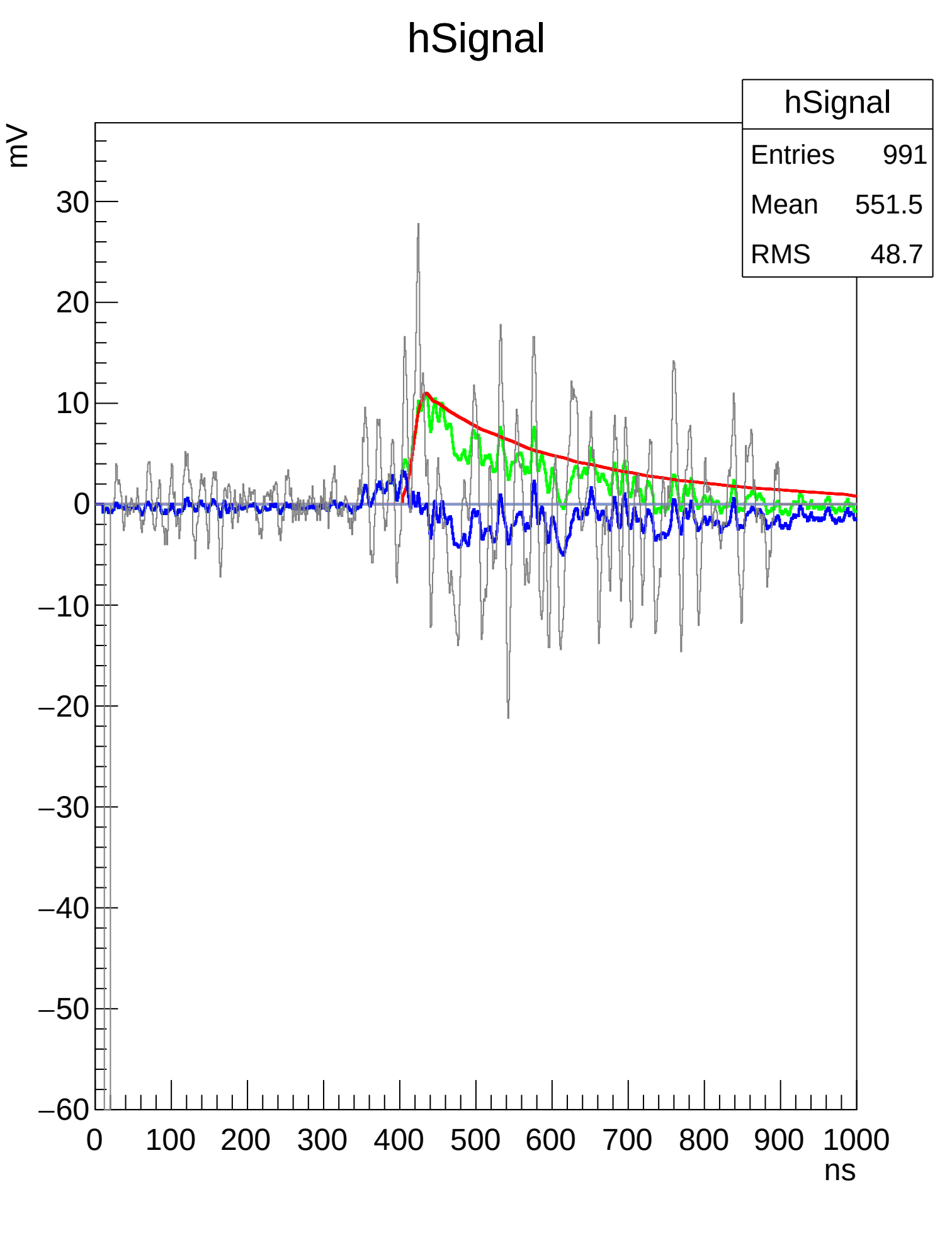
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564
RMS 155.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.5
RMS 48.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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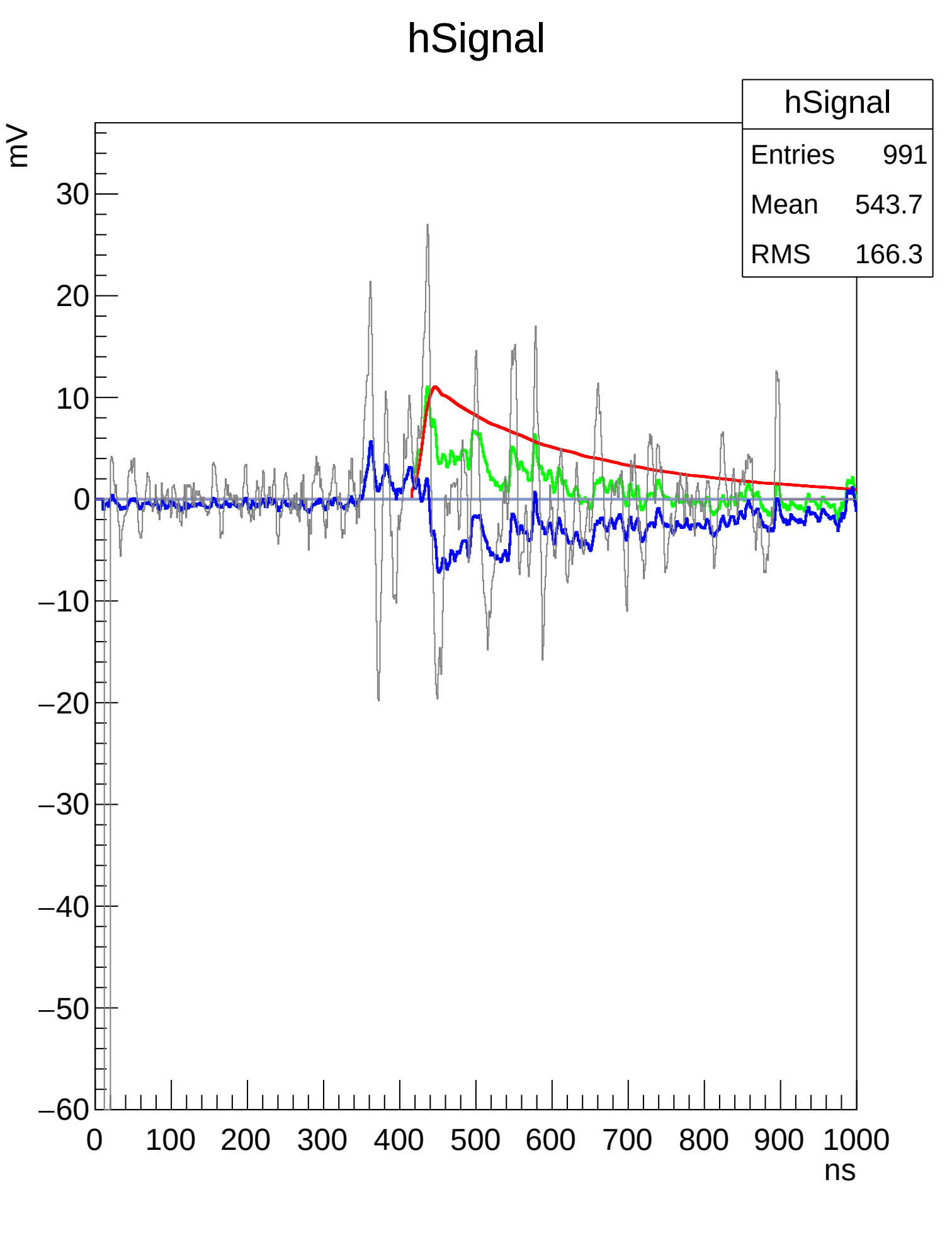
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 166.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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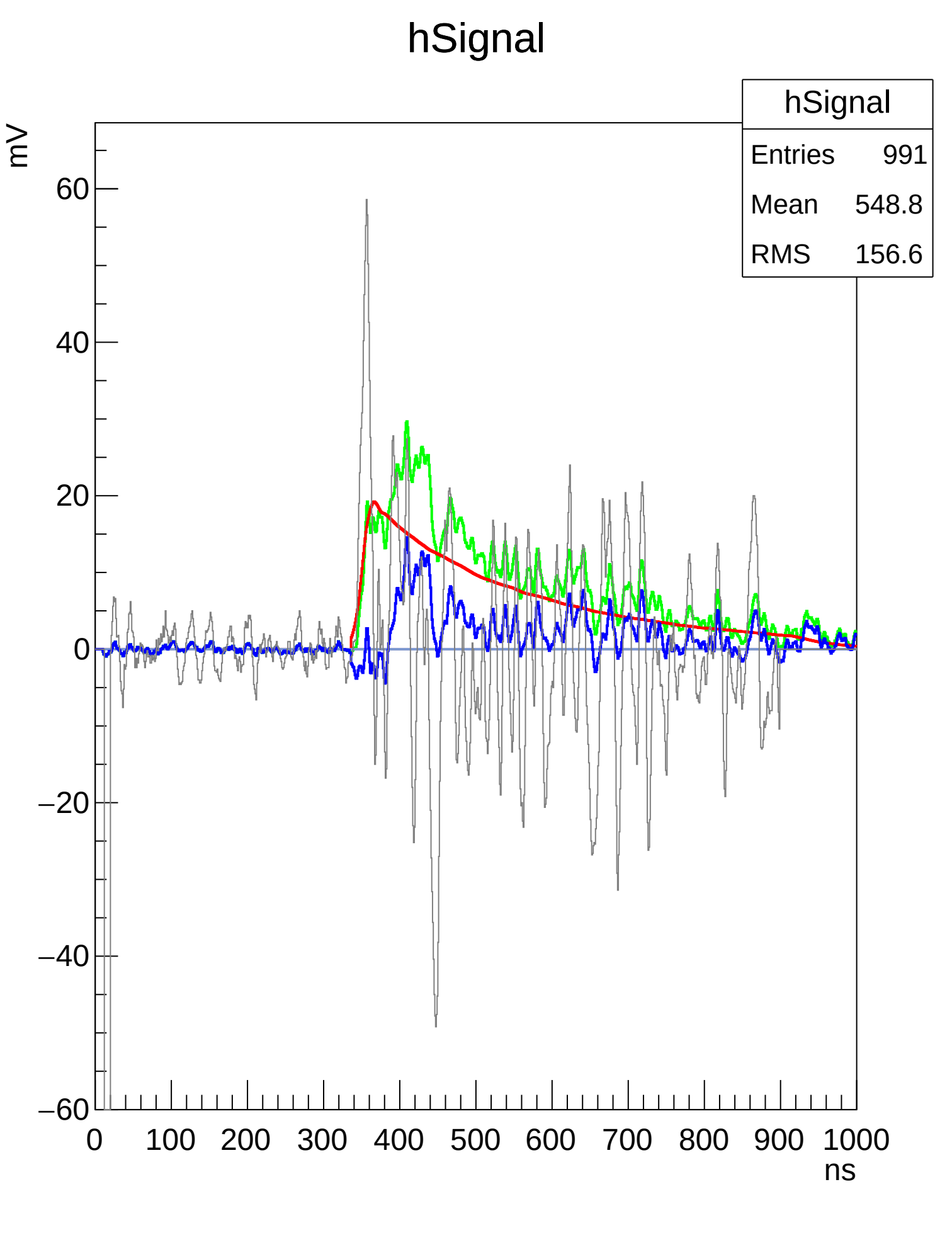
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.8
RMS 156.6
mV
60
40
20
0
−20
−40
−60
0
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600
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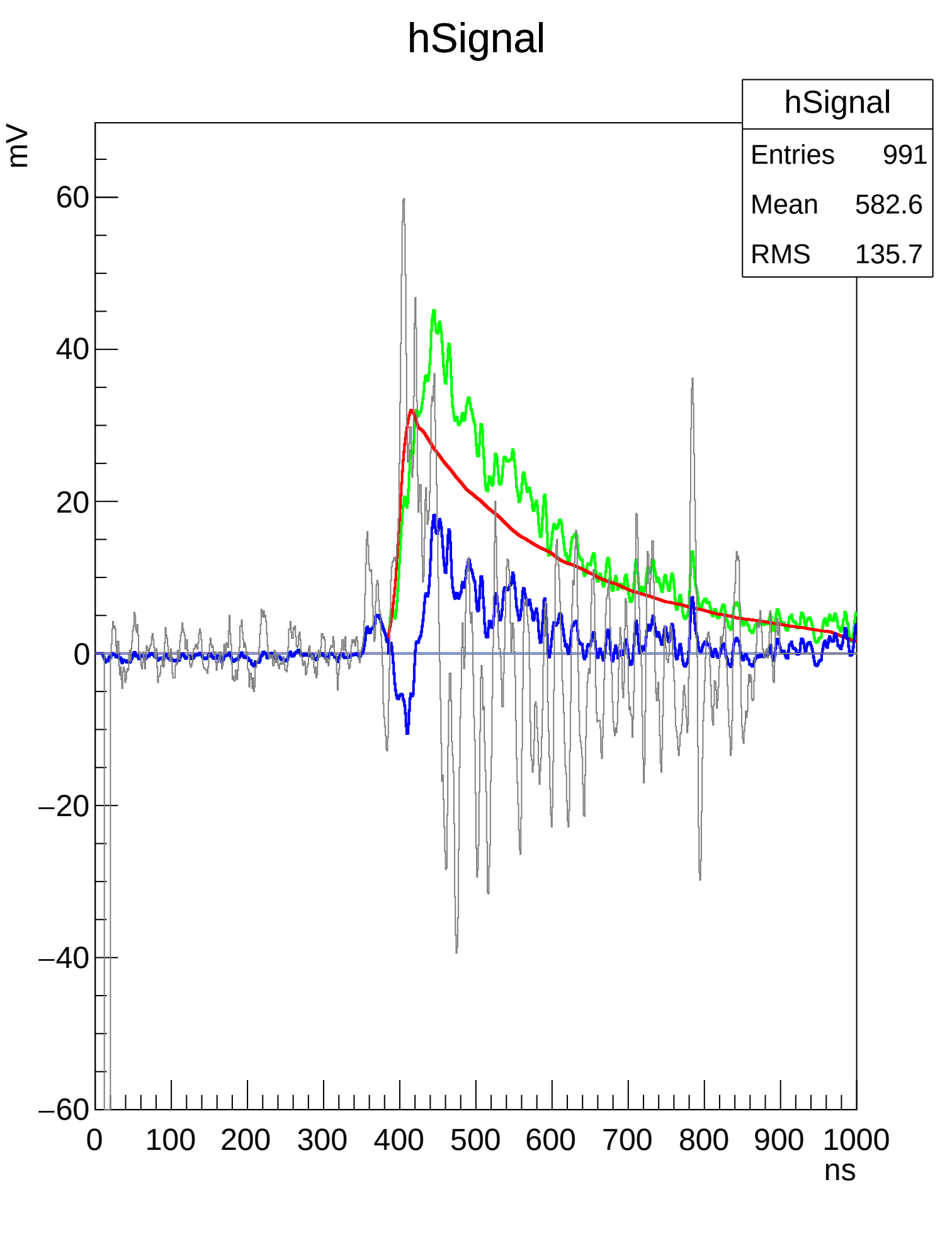
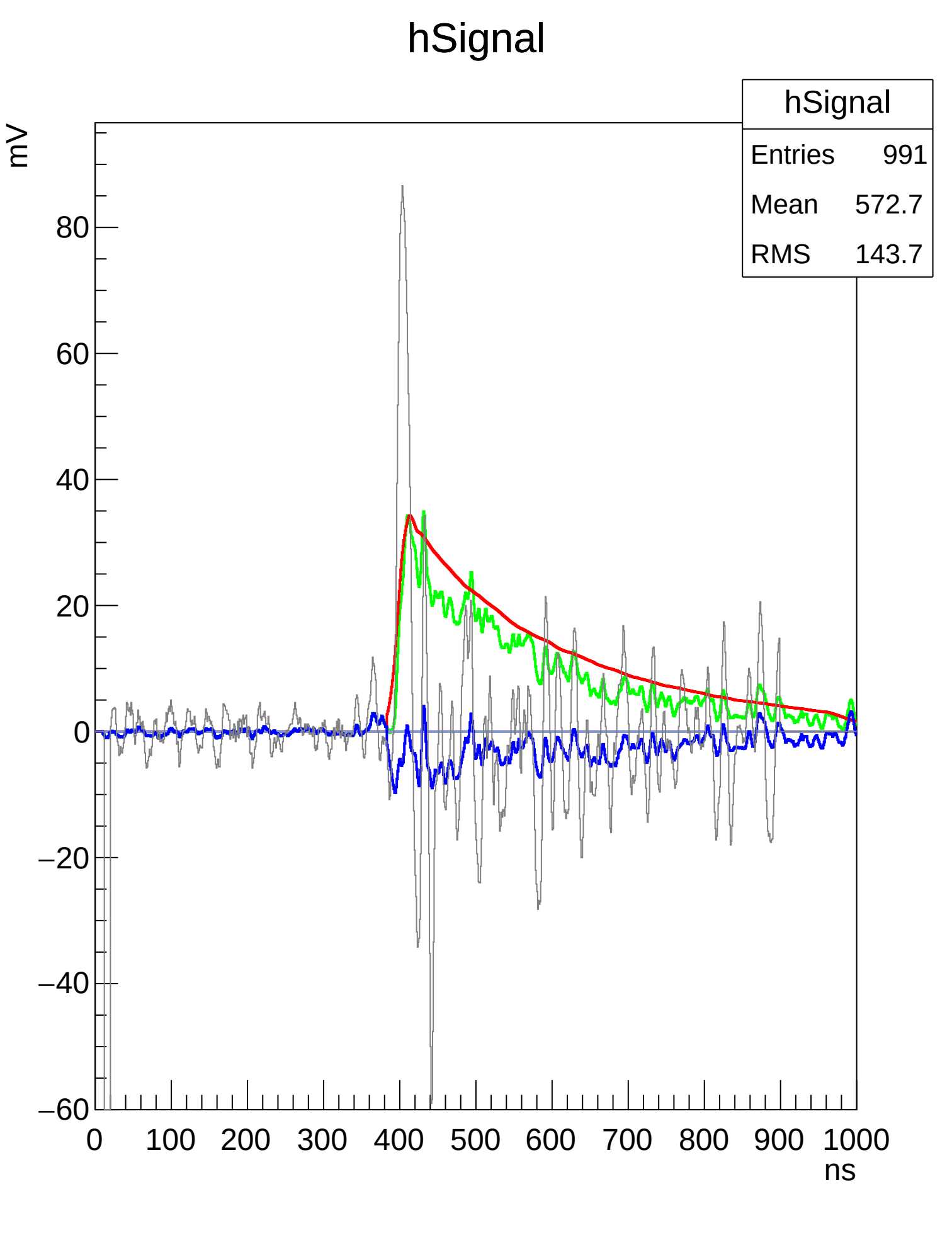
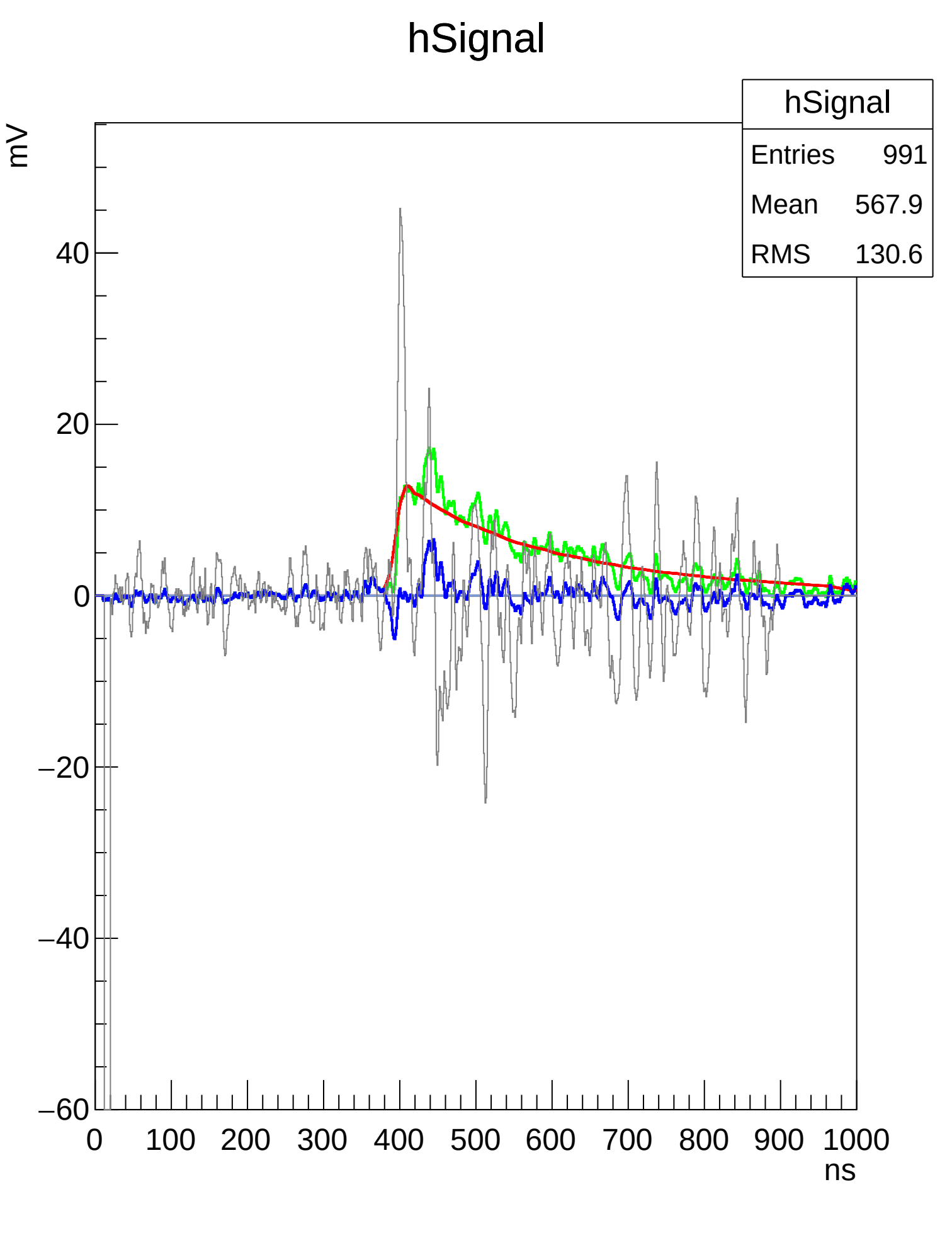
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.6
RMS 135.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.7
RMS 143.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.9
RMS 130.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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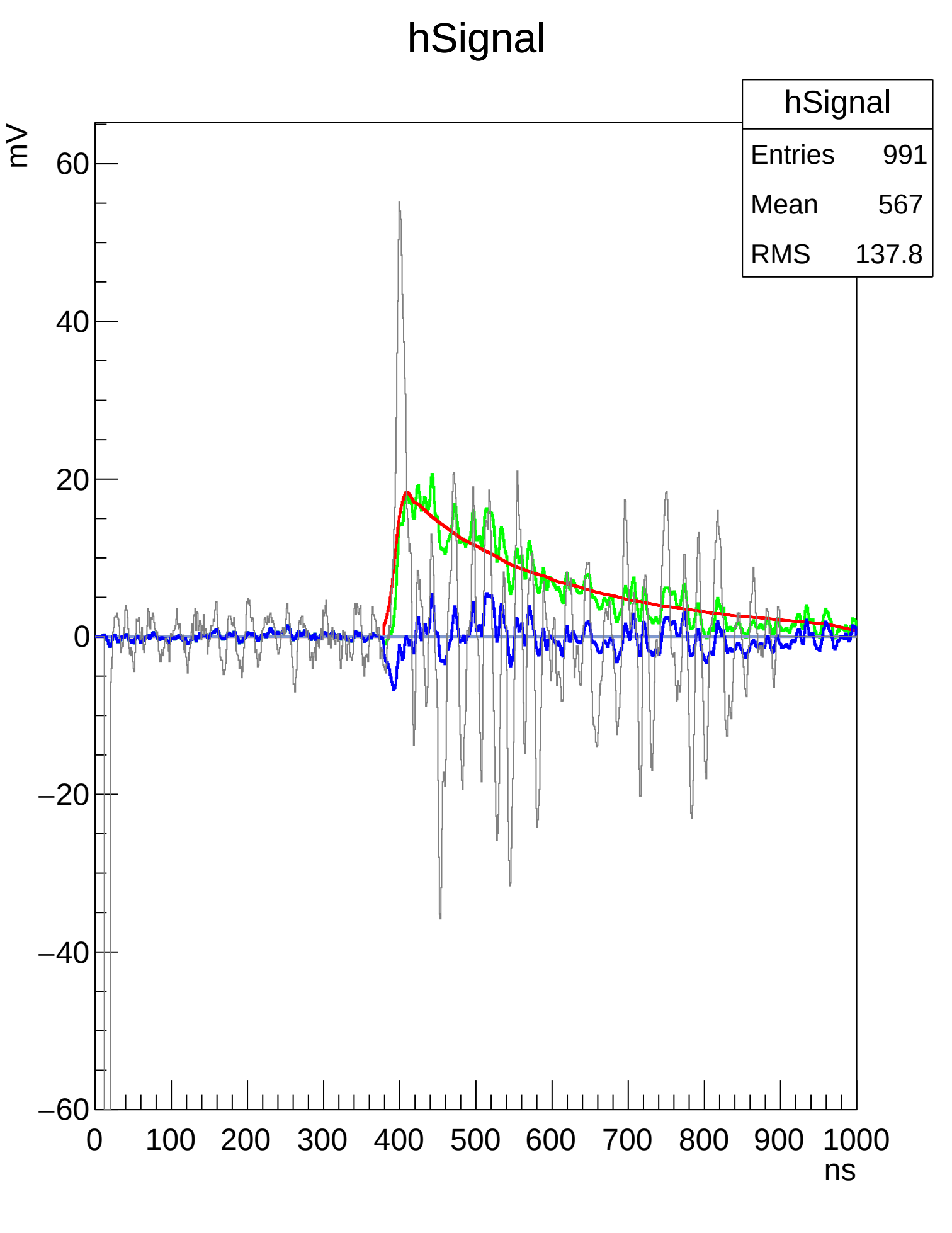
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567
RMS 137.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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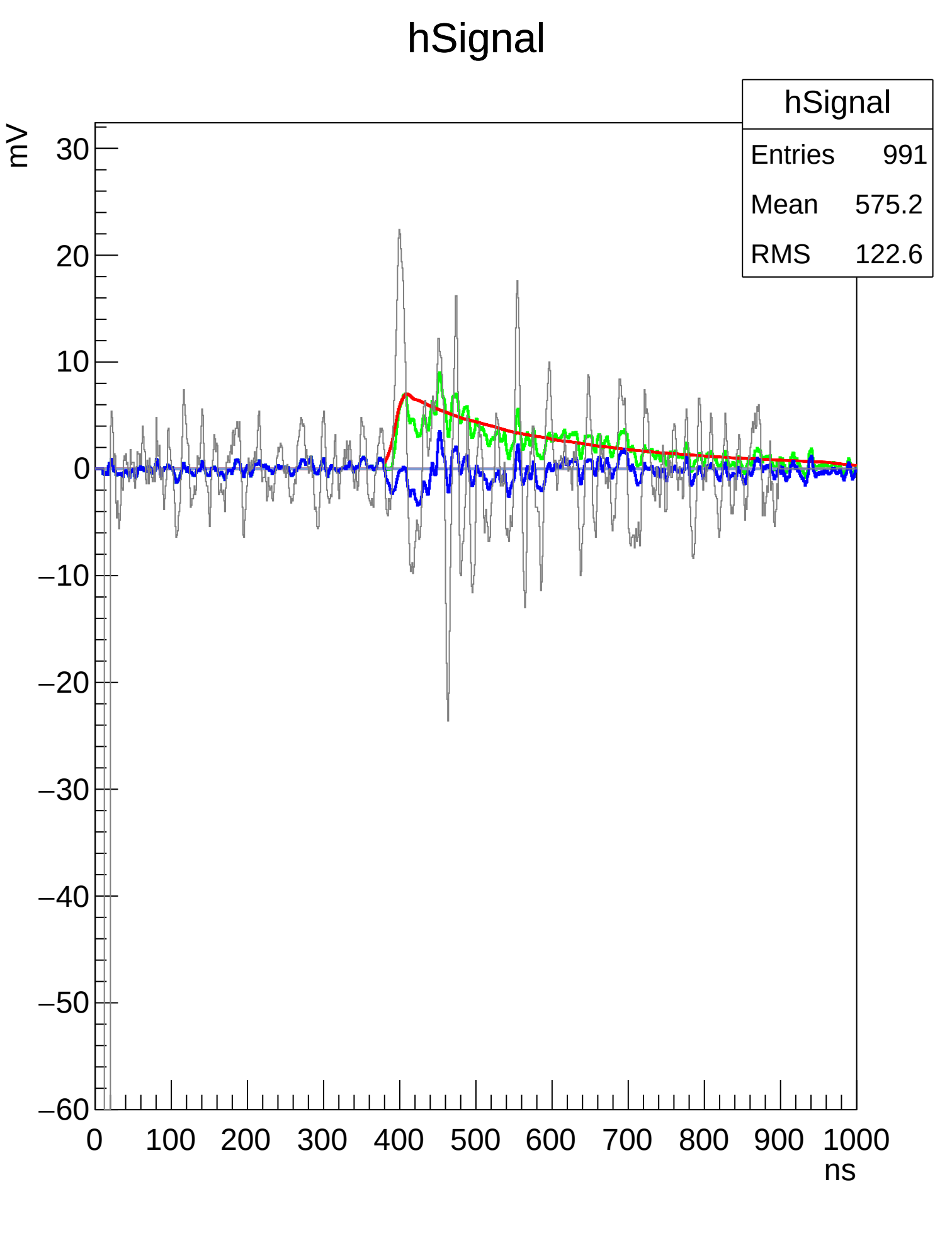
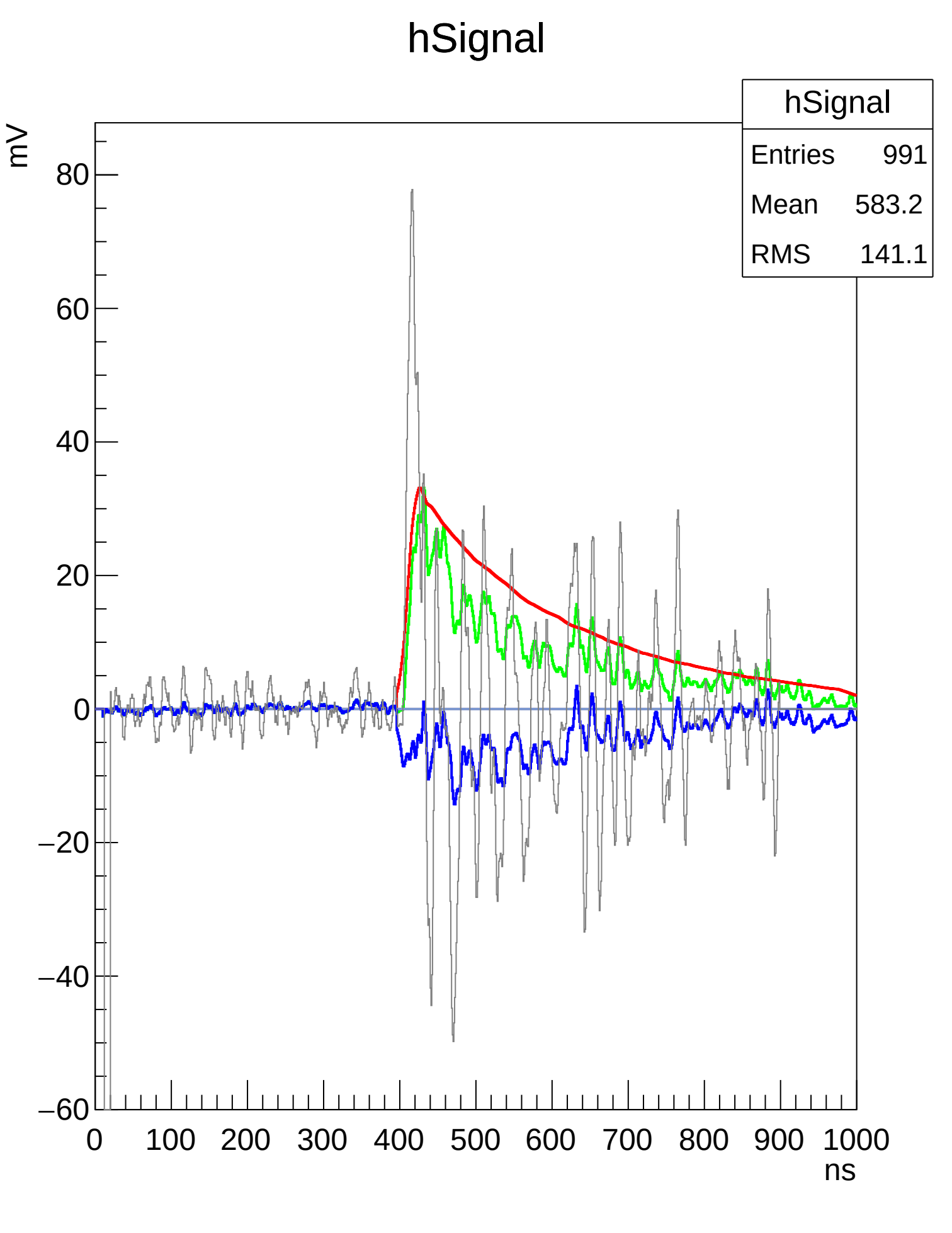
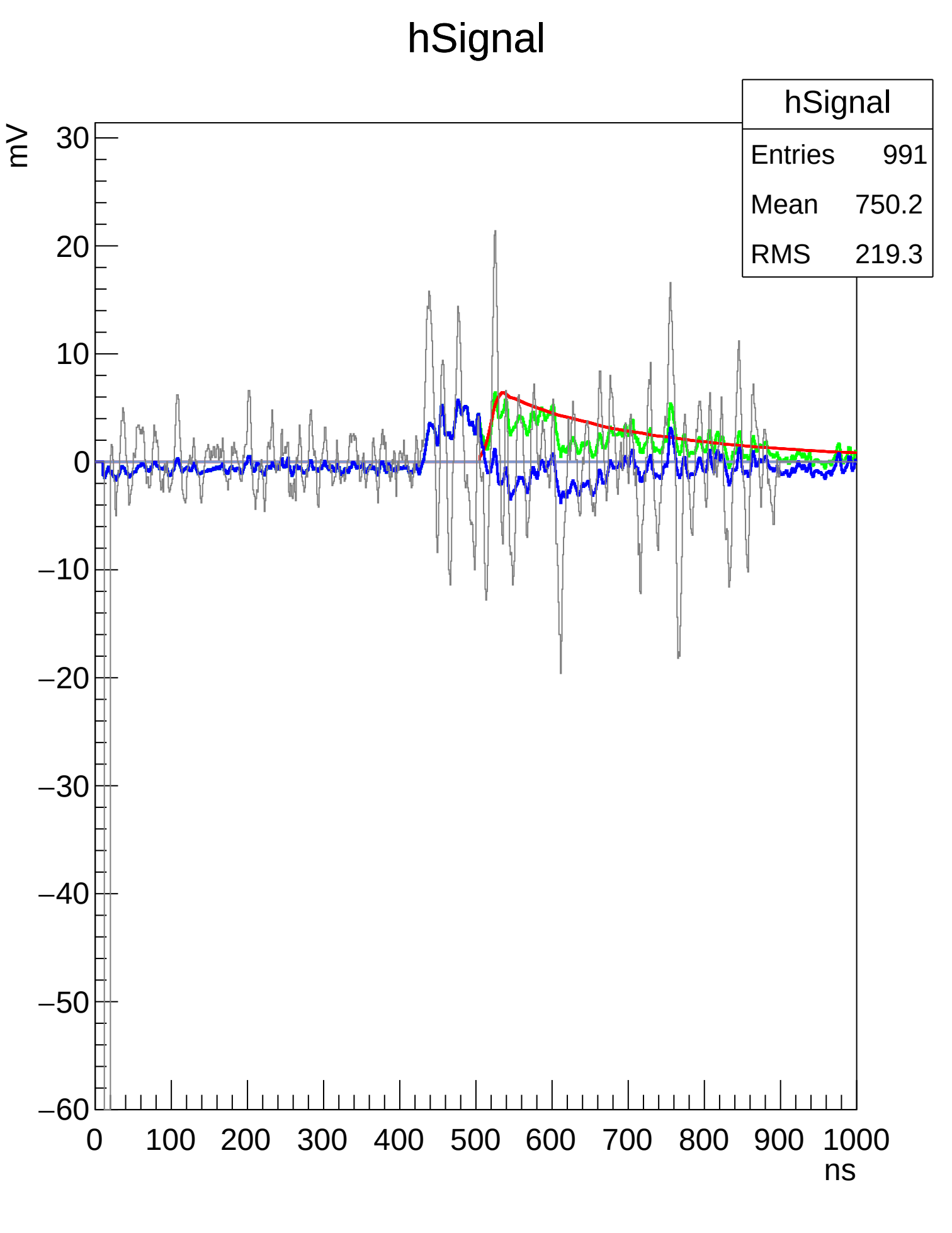
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.2
RMS 122.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.2
RMS 141.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 750.2
RMS 219.3
mV
30
20
10
0
−10
−20
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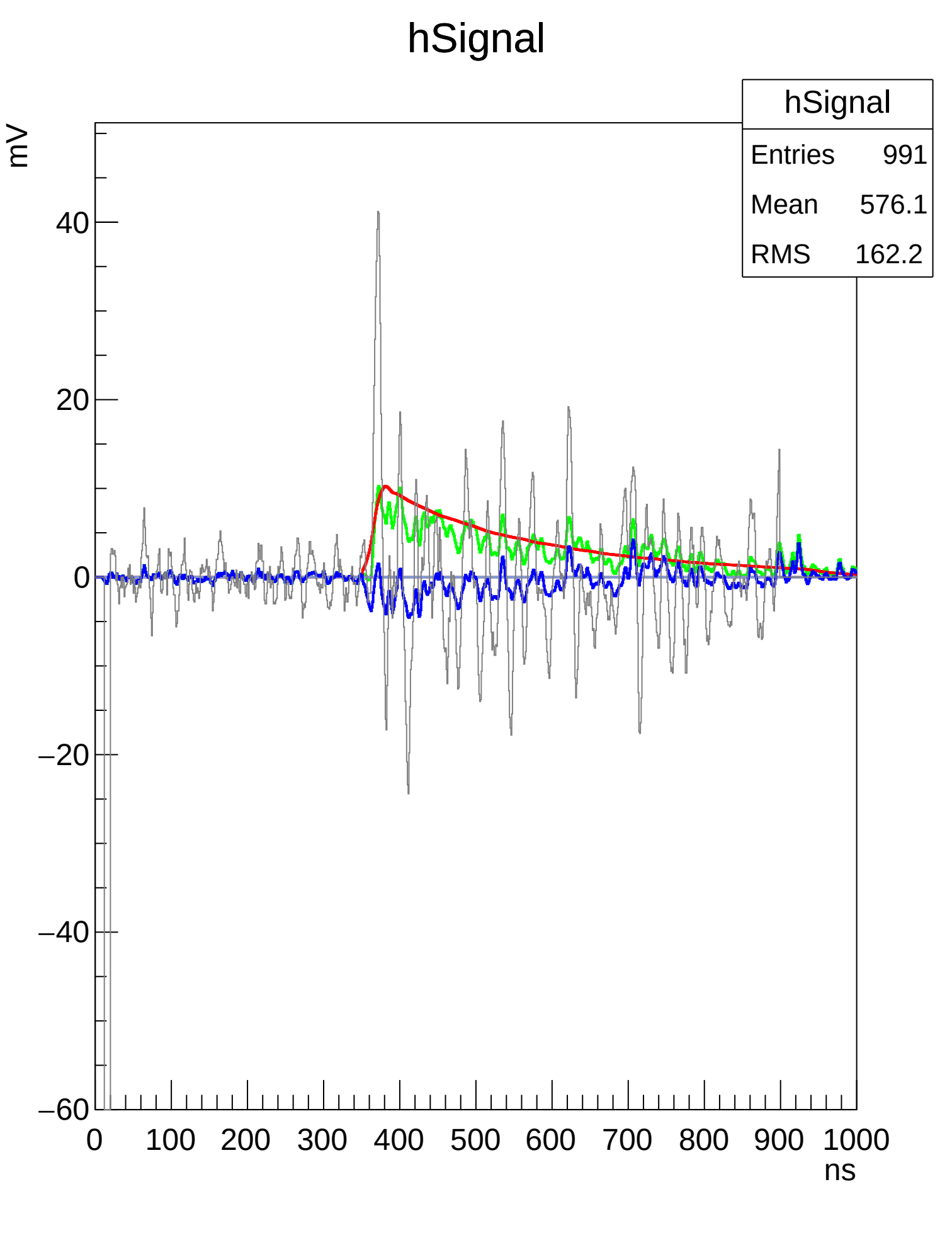
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.1
RMS 162.2
mV
40
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0
−20
−40
−60
0
100
200
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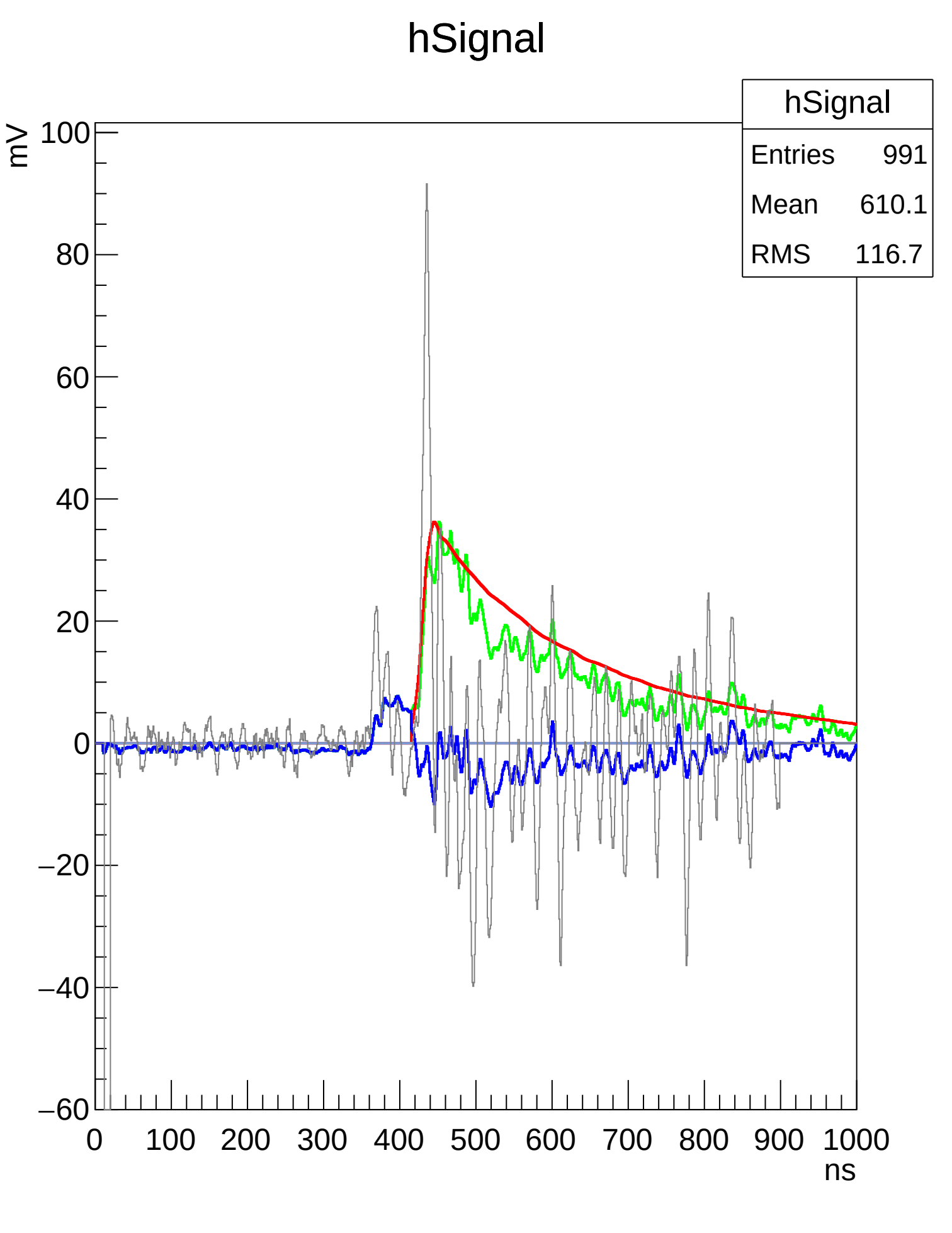
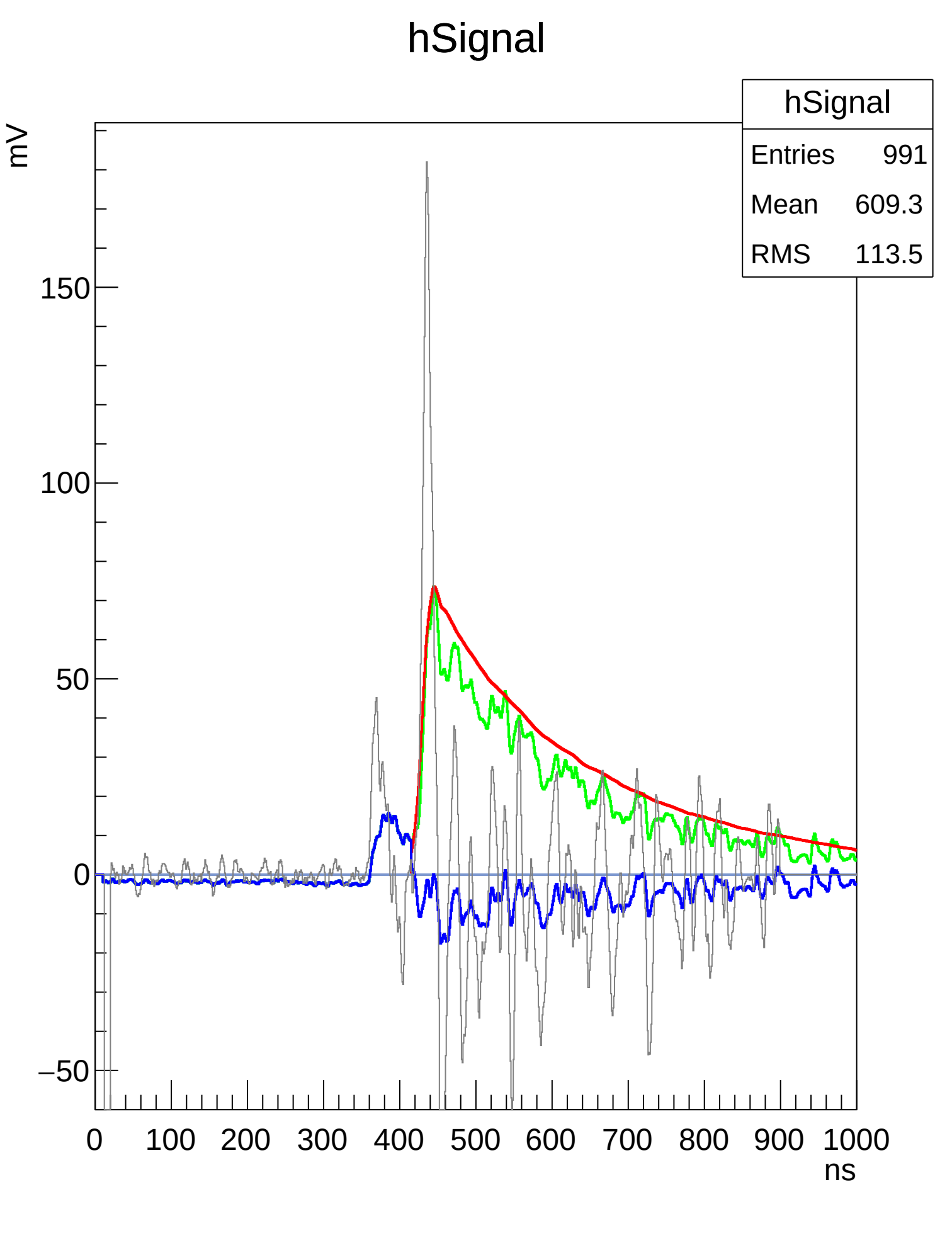
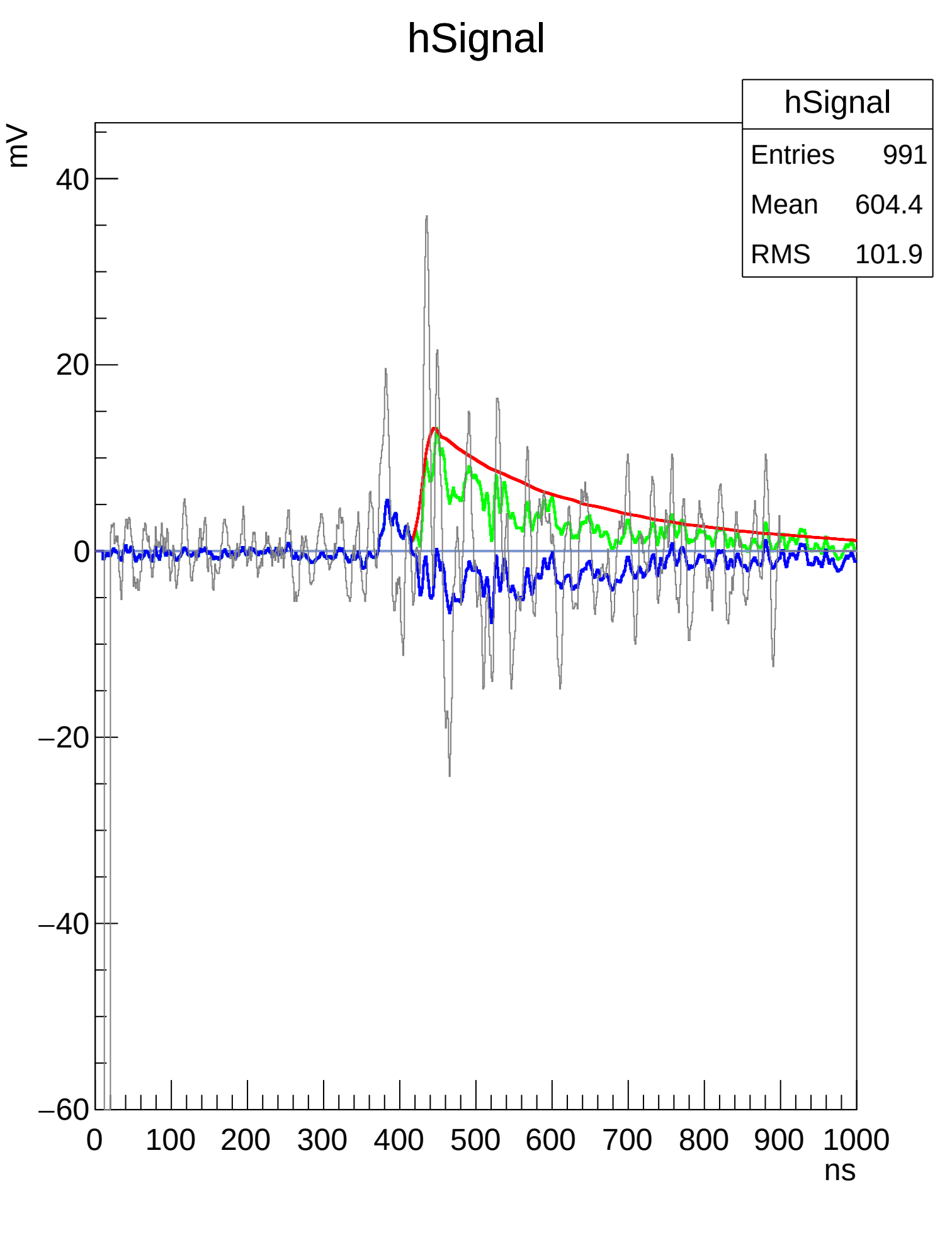
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.1
RMS 116.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.3
RMS 113.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.4
RMS 101.9
mV
40
20
0
−20
−40
−60
0
100
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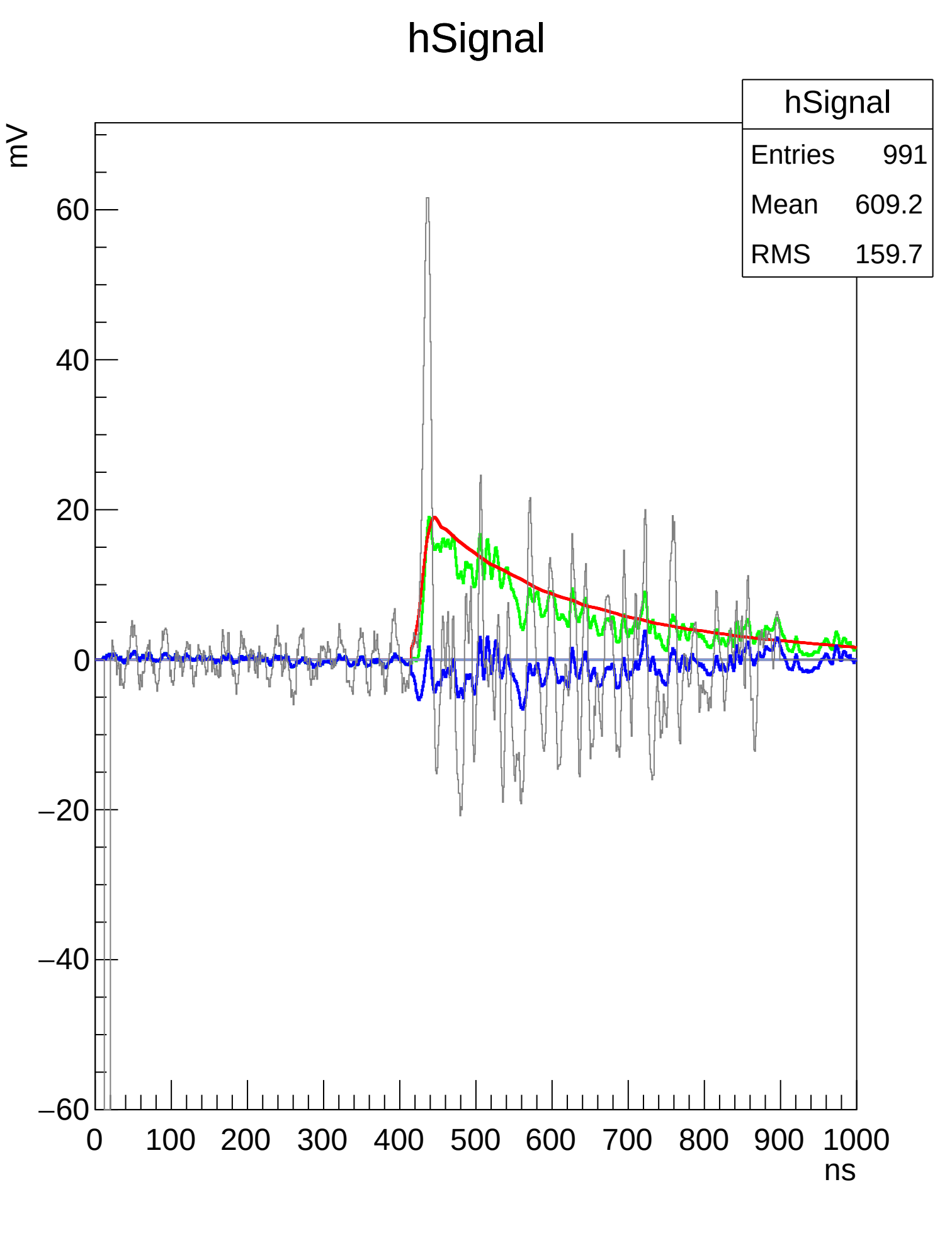
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 159.7
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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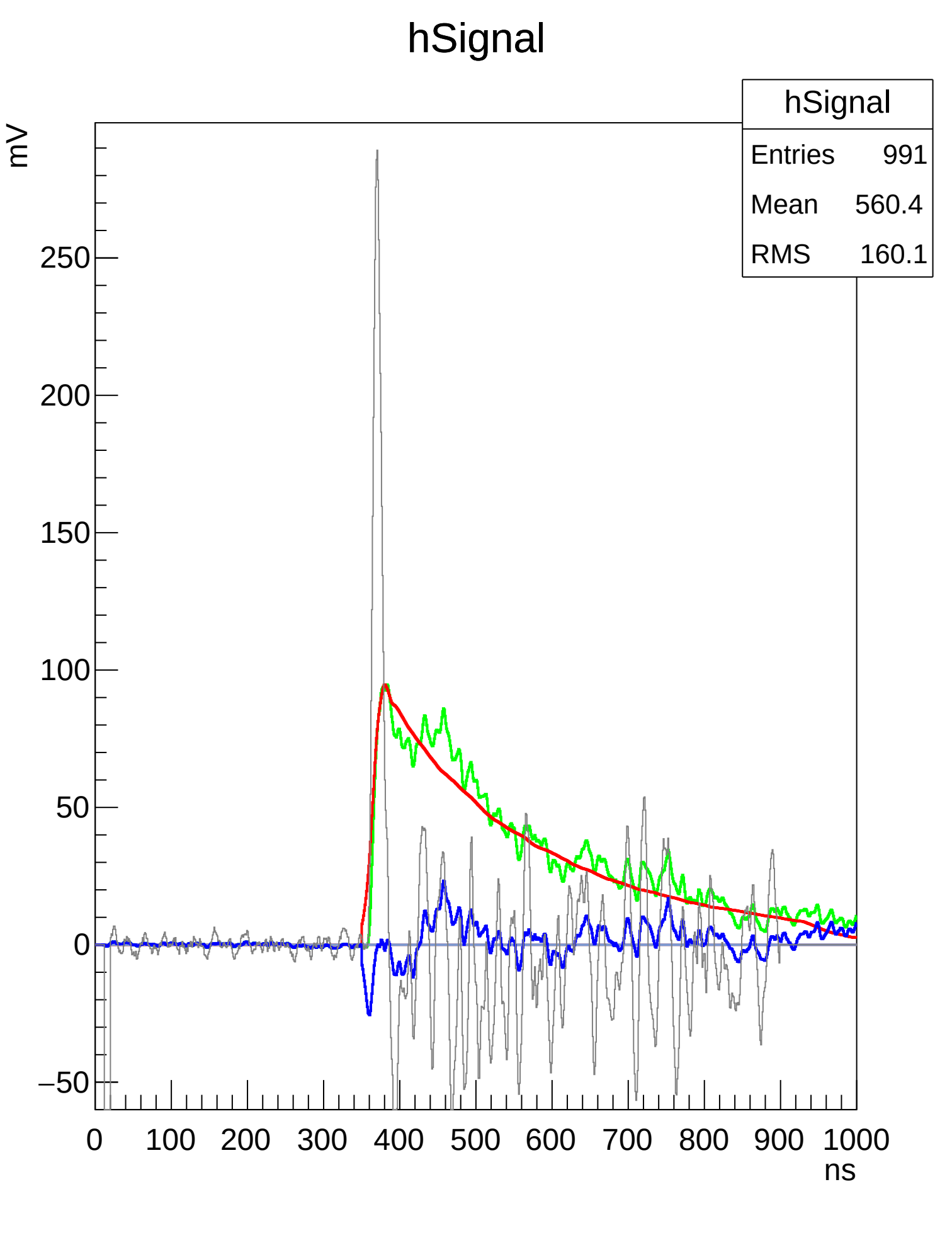
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.4
RMS 160.1
mV
250
200
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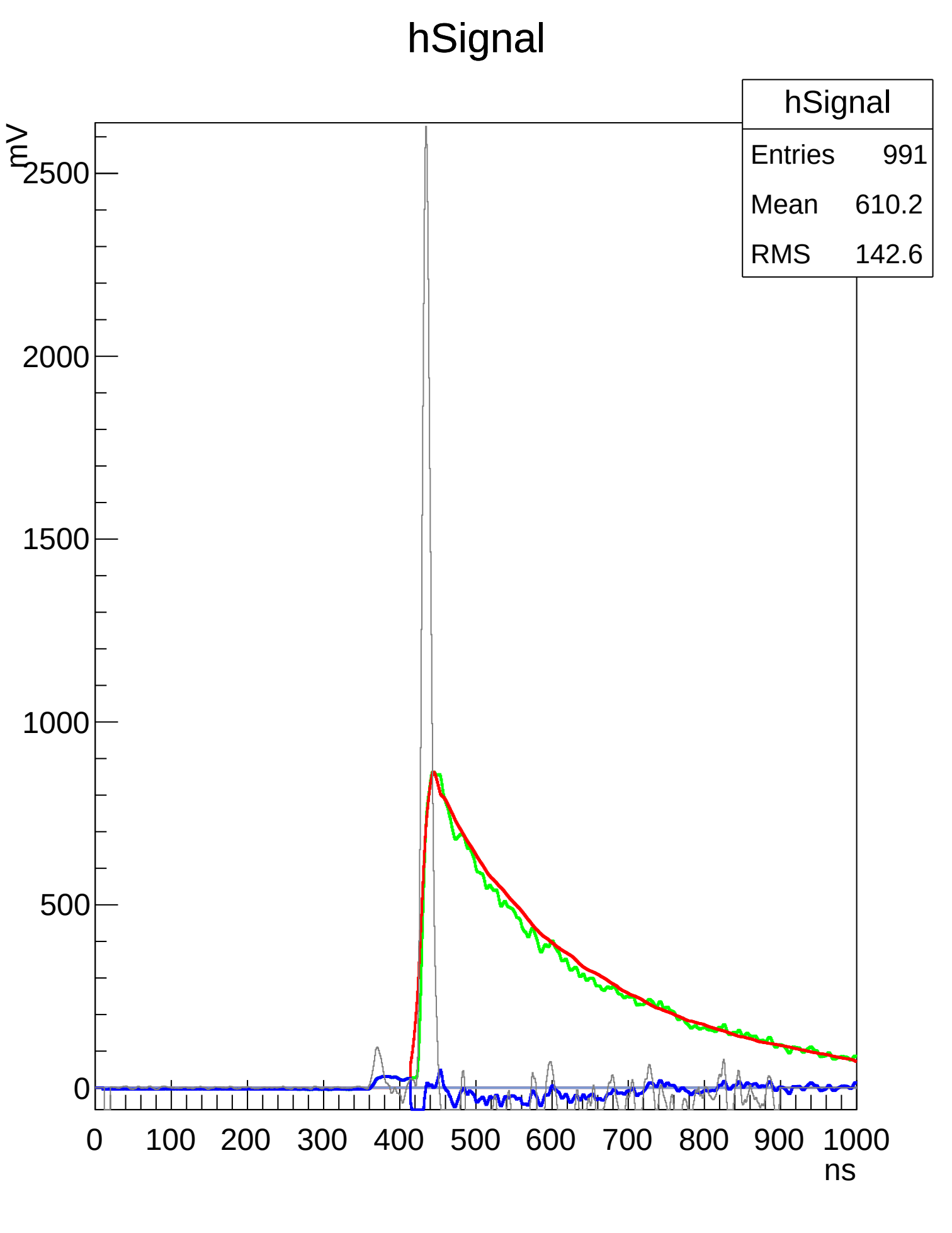
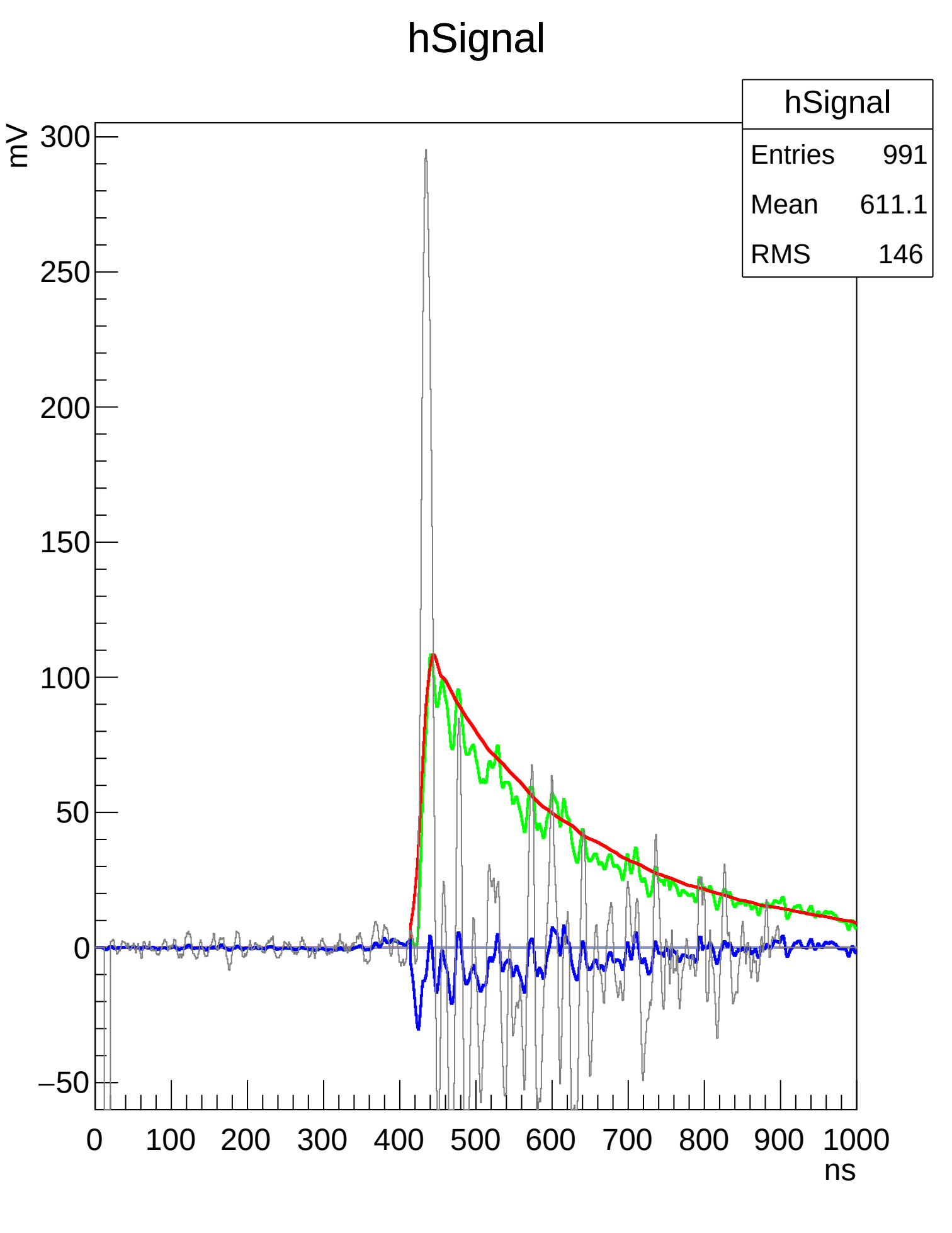
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.2
RMS 142.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.1
RMS 146
mV
300
250
200
150
100
50
0
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0
100
200
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400
500
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800
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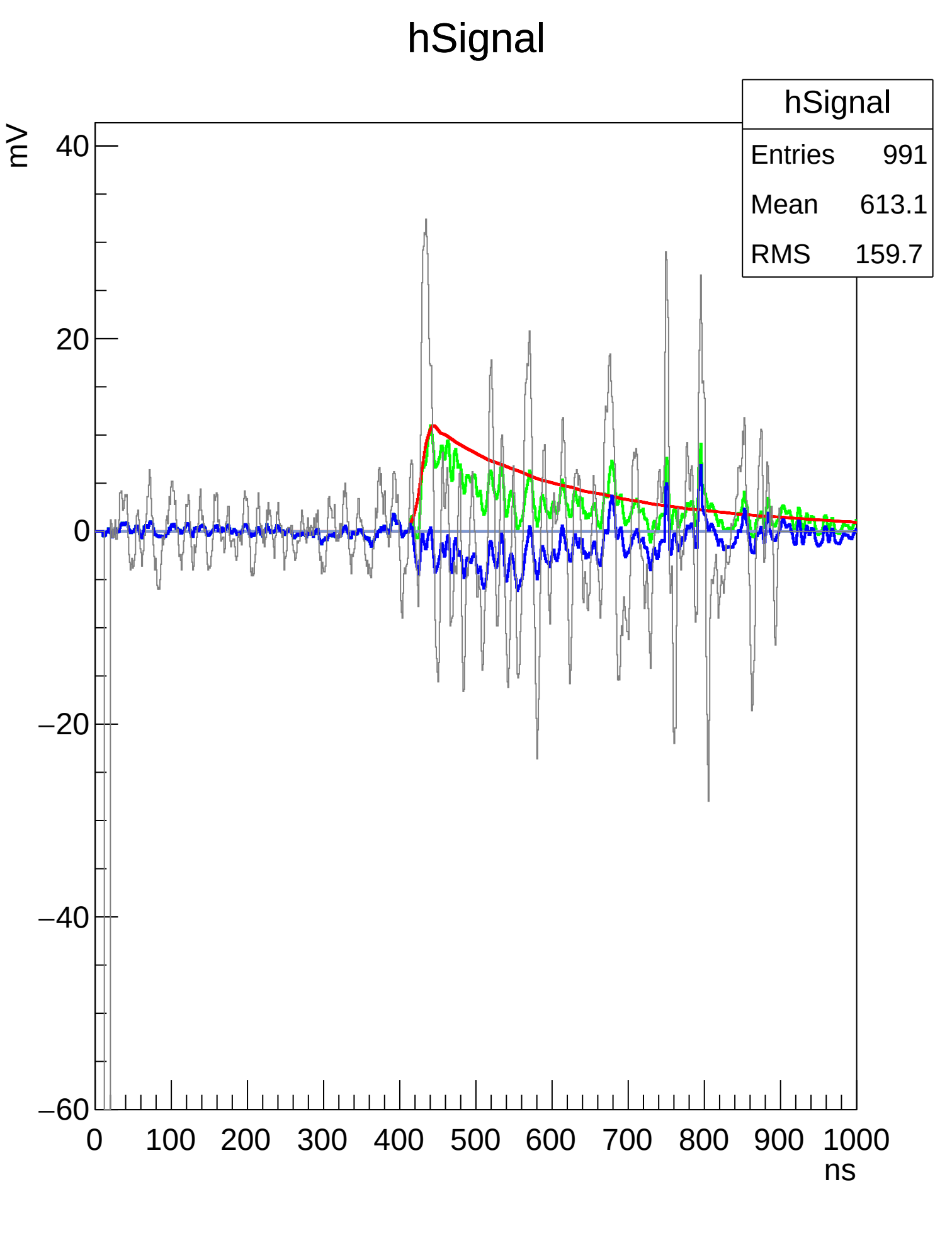
1000
ns


hSignal
hSignal
Entries 991
Mean 613.1
RMS 159.7
mV
40
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0
−20
−40
−60
0
100
200
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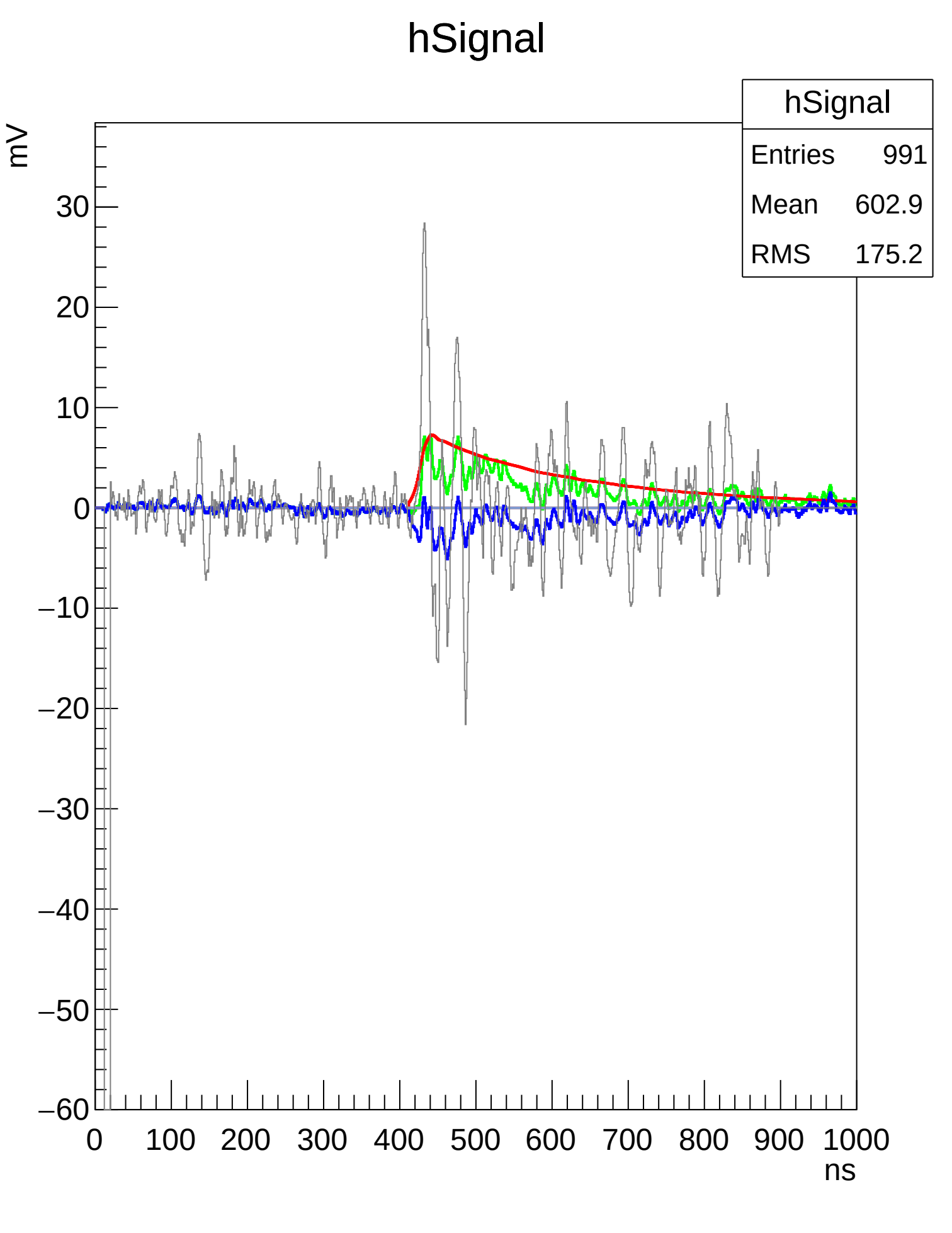
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.9
RMS 175.2
mV
30
20
10
0
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−20
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−40
−50
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0
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200
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400
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700
800
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1000
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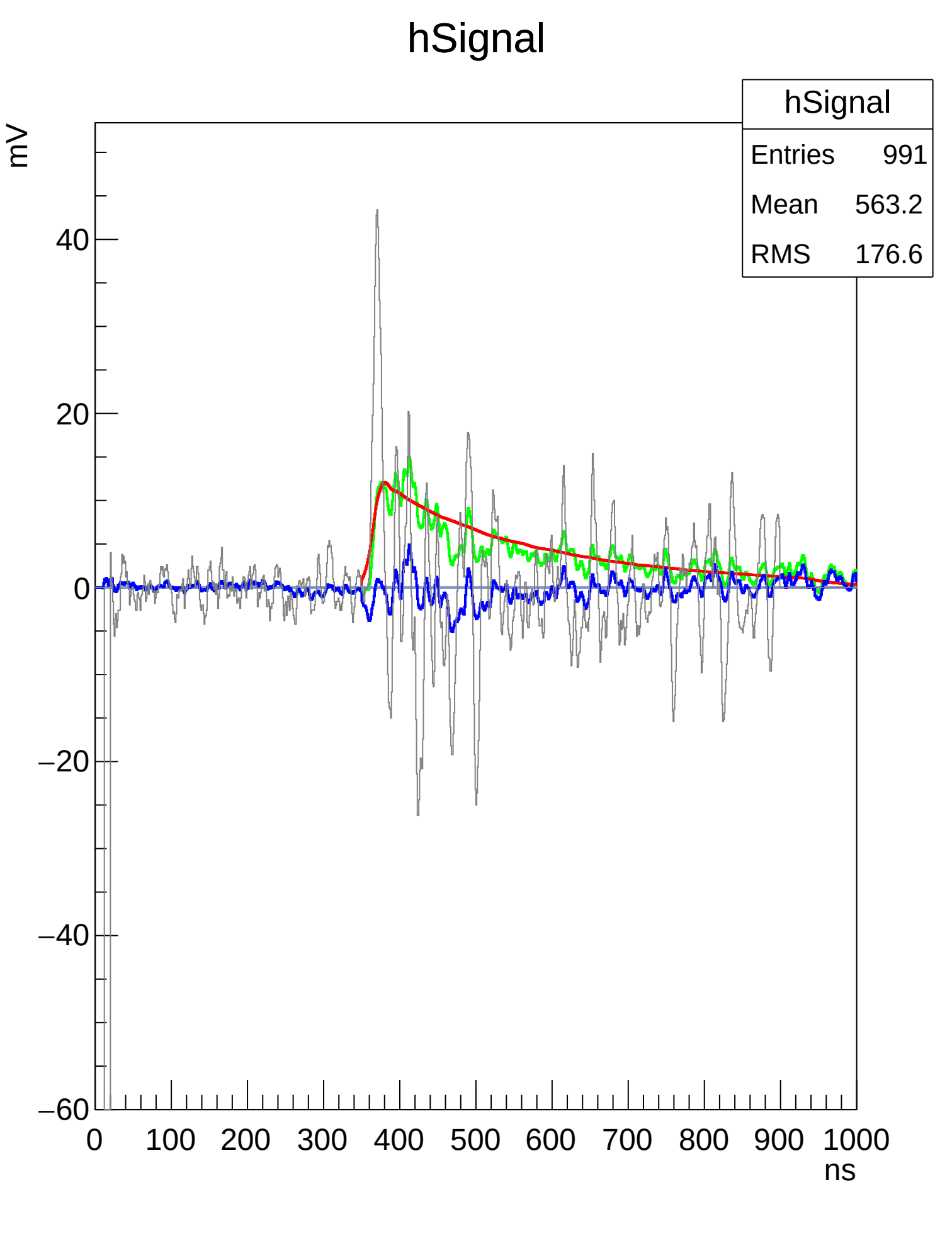
hSignal
hSignal
Entries 991
Mean 563.2
RMS 176.6
mV
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−20
−40
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0
100
200
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400
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600
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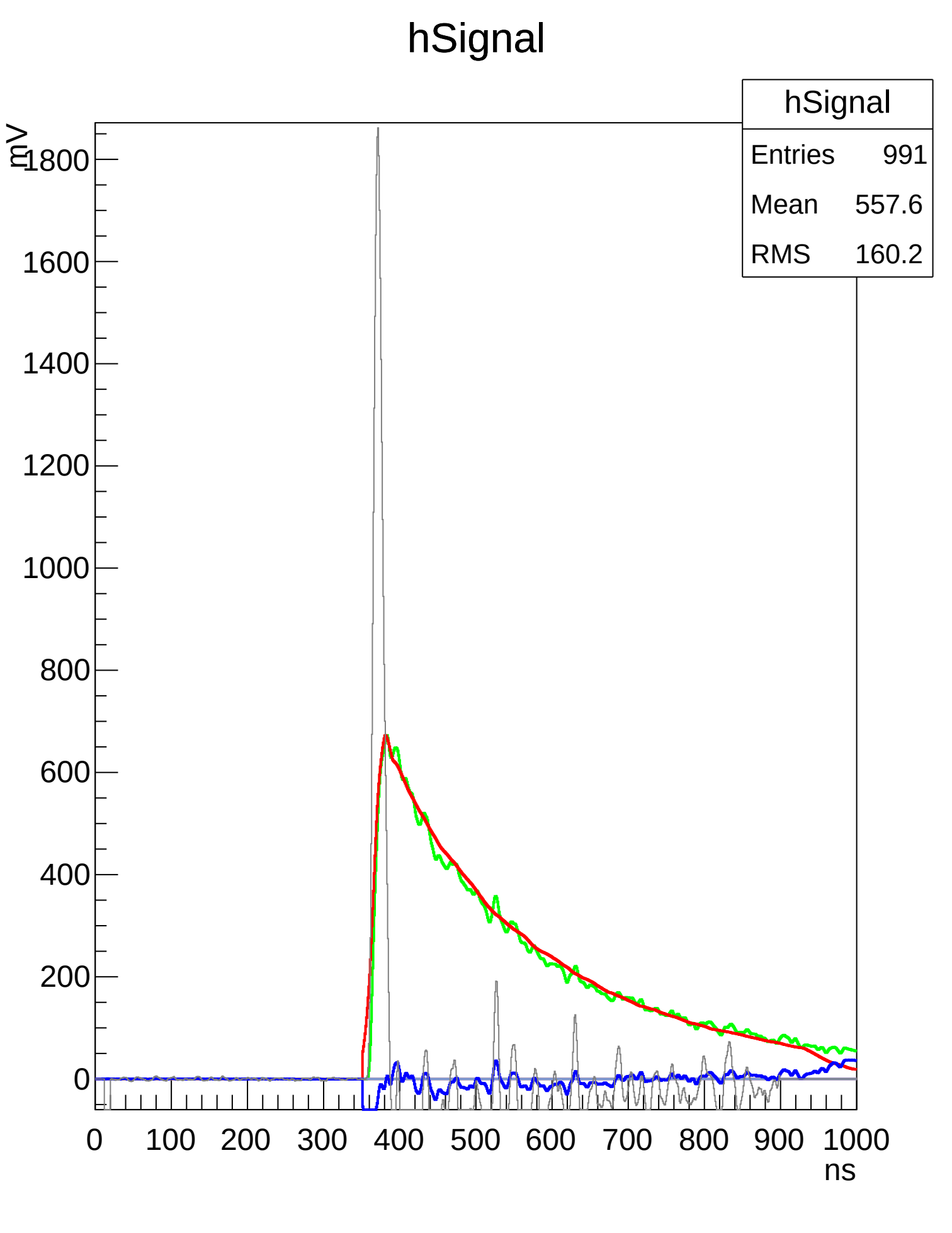
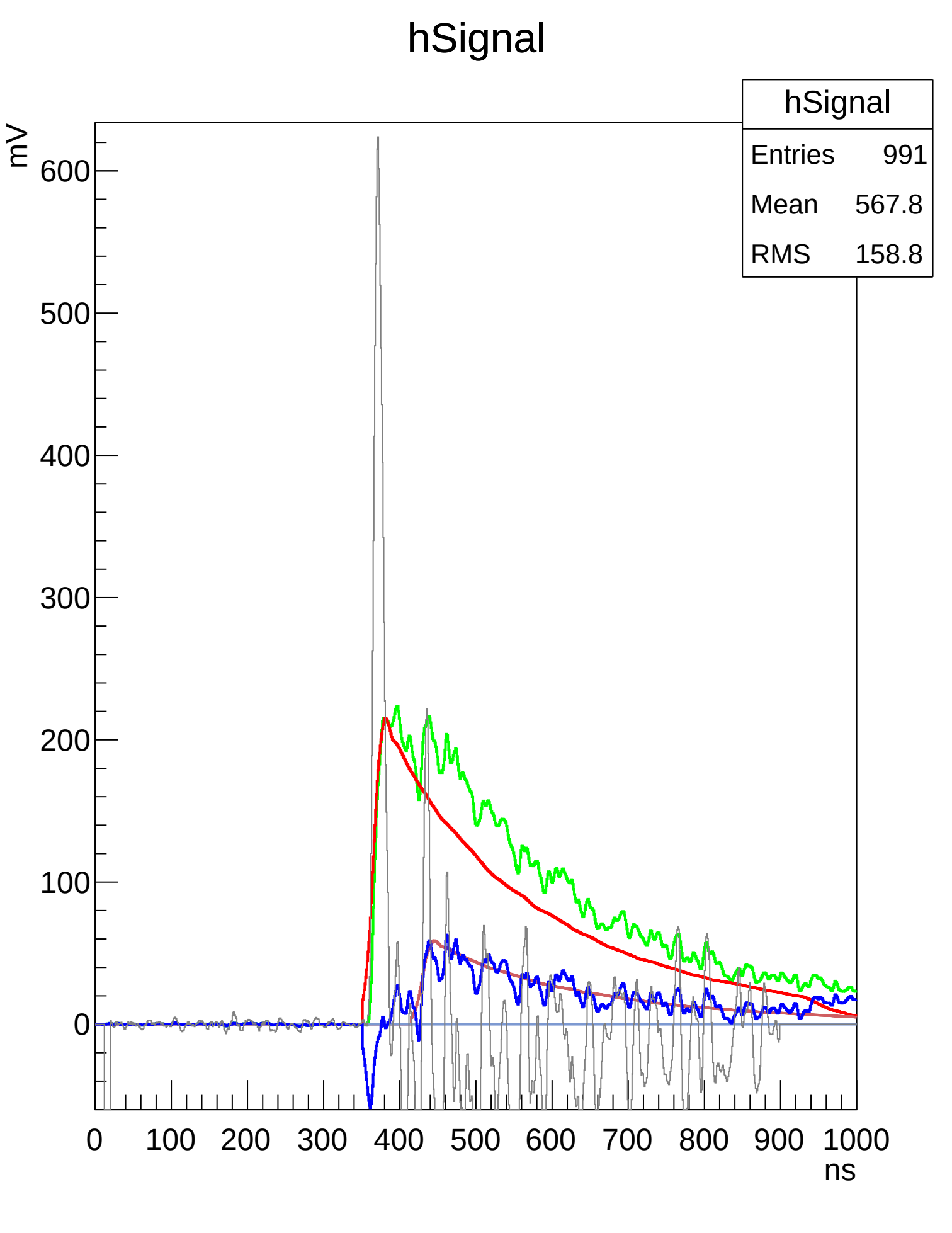
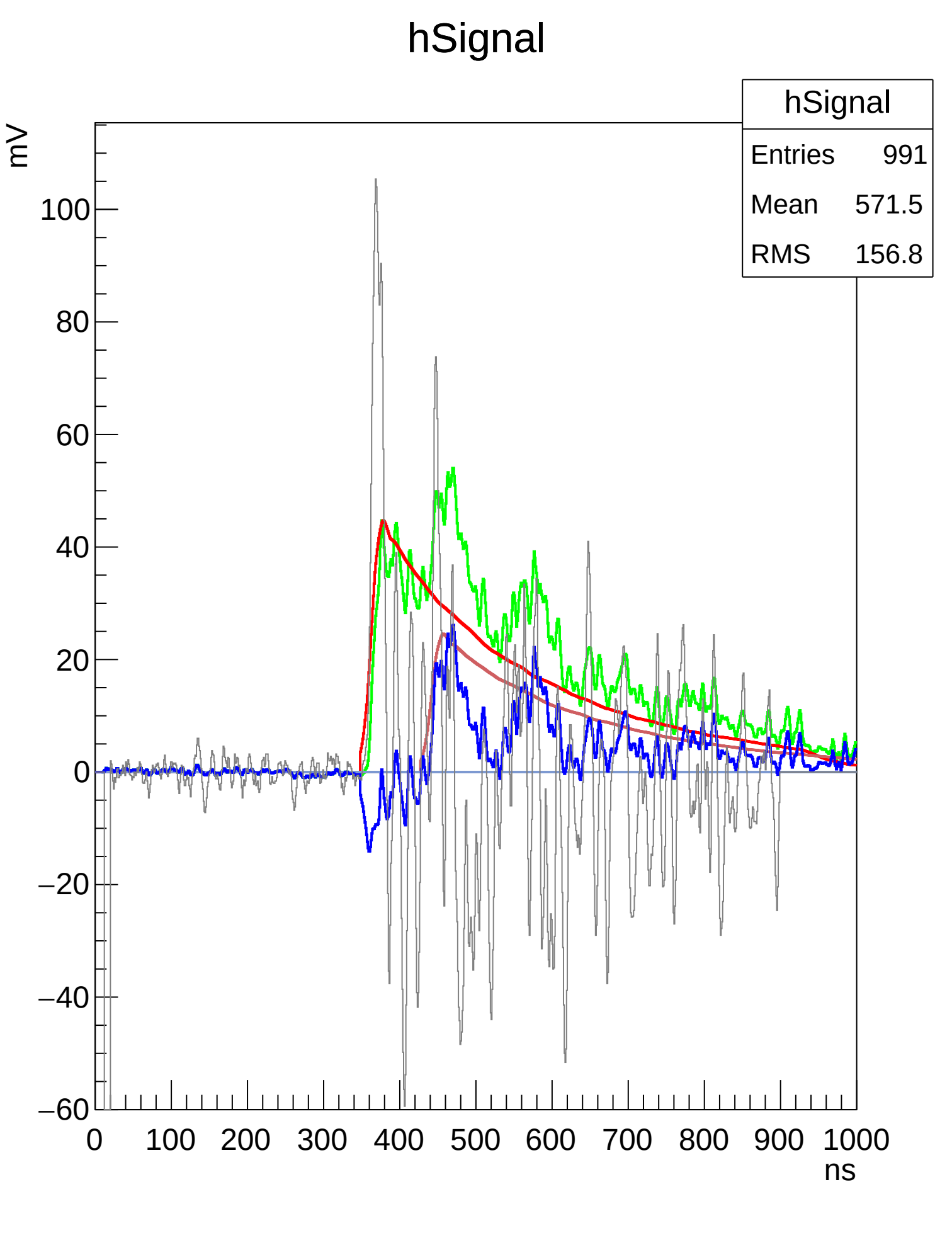
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.6
RMS 160.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.8
RMS 158.8
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 156.8
mV
100
80
60
40
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−20
−40
−60
0
100
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400
500
600
700
800
900
1000
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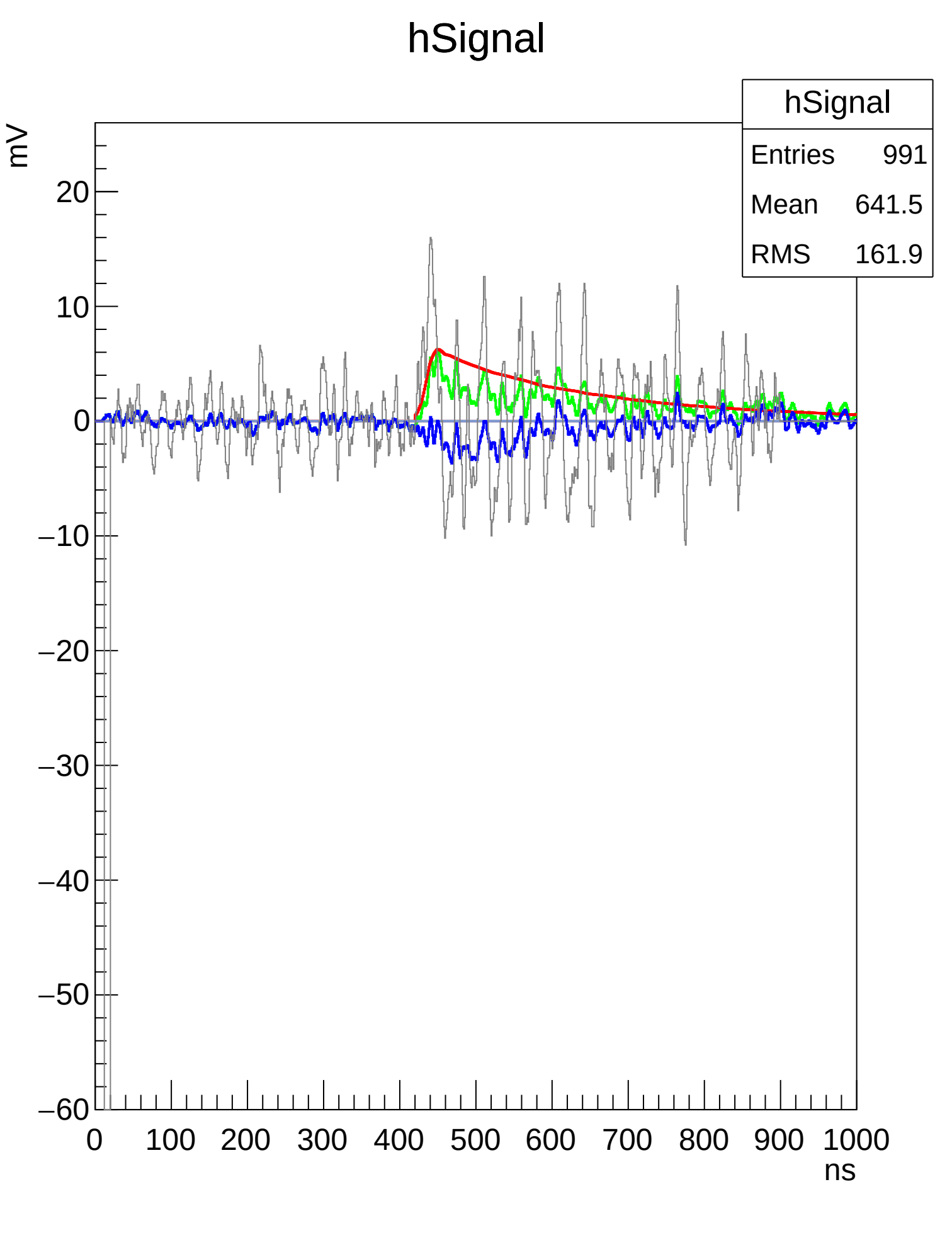
hSignal
hSignal
Entries 991
Mean 641.5
RMS 161.9
mV
20
10
0
−10
−20
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−40
−50
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0
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200
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400
500
600
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800
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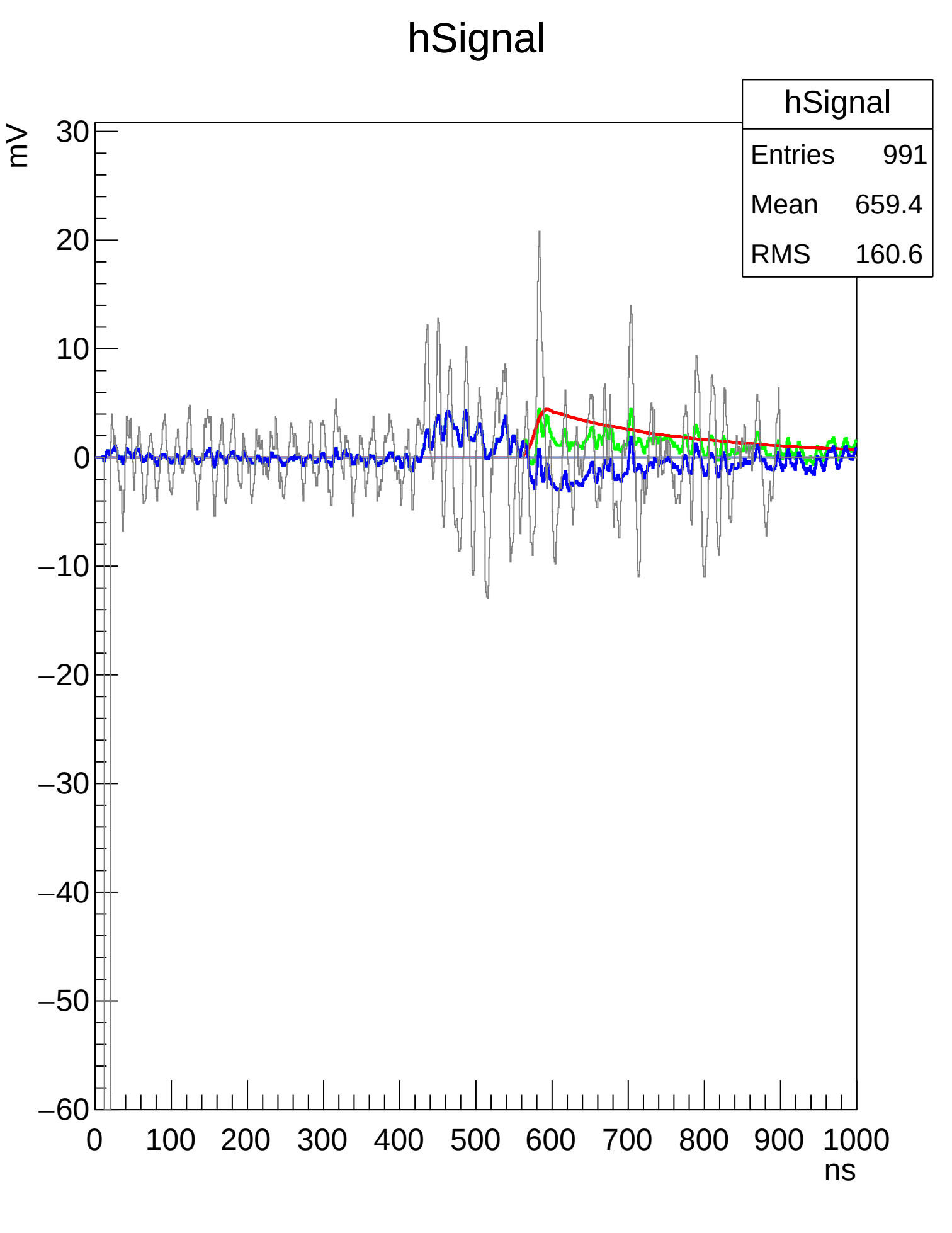
1000
ns


hSignal
hSignal
Entries 991
Mean 659.4
RMS 160.6
mV
30
20
10
0
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−50
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200
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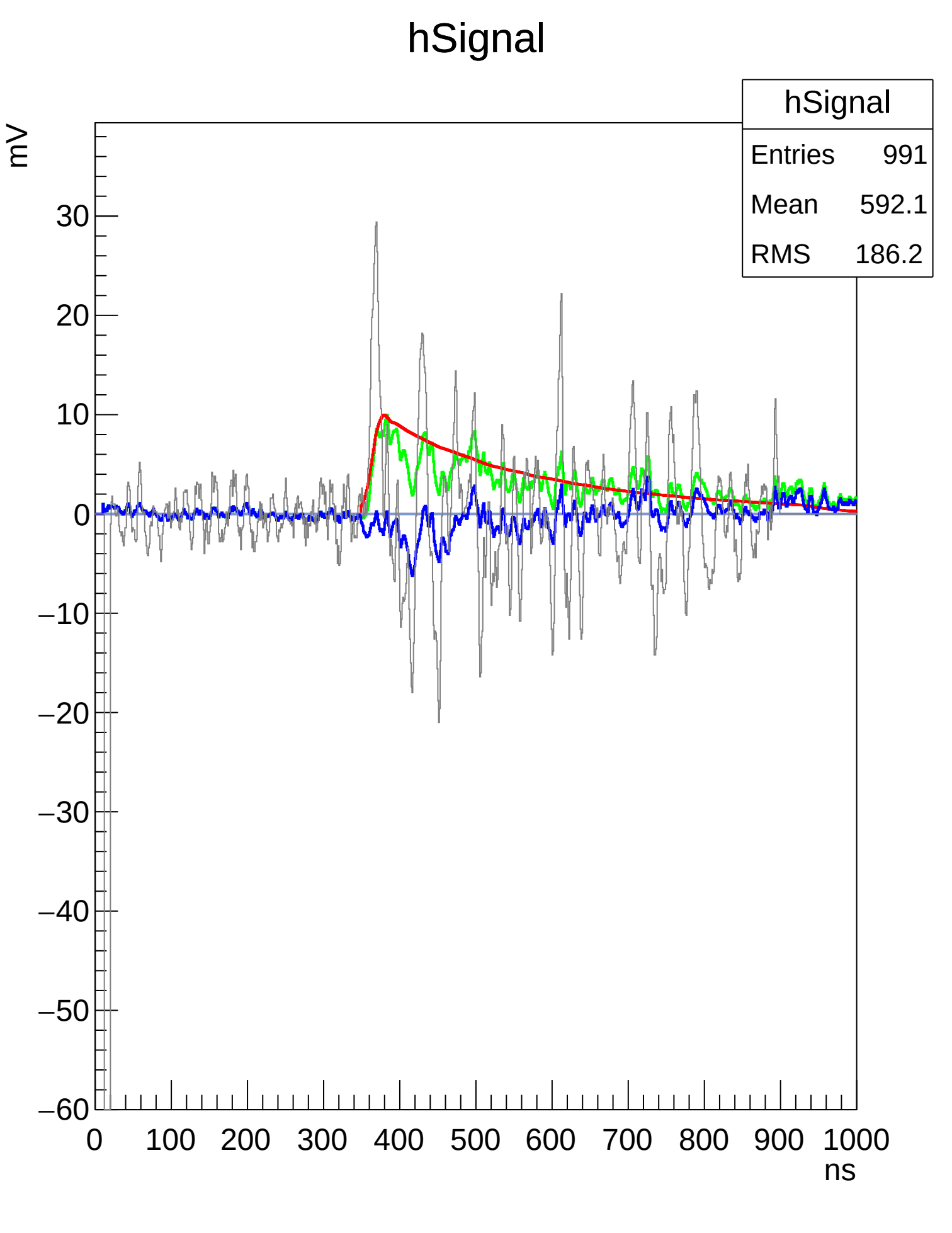
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.1
RMS 186.2
mV
30
20
10
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−40
−50
−60
0
100
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400
500
600
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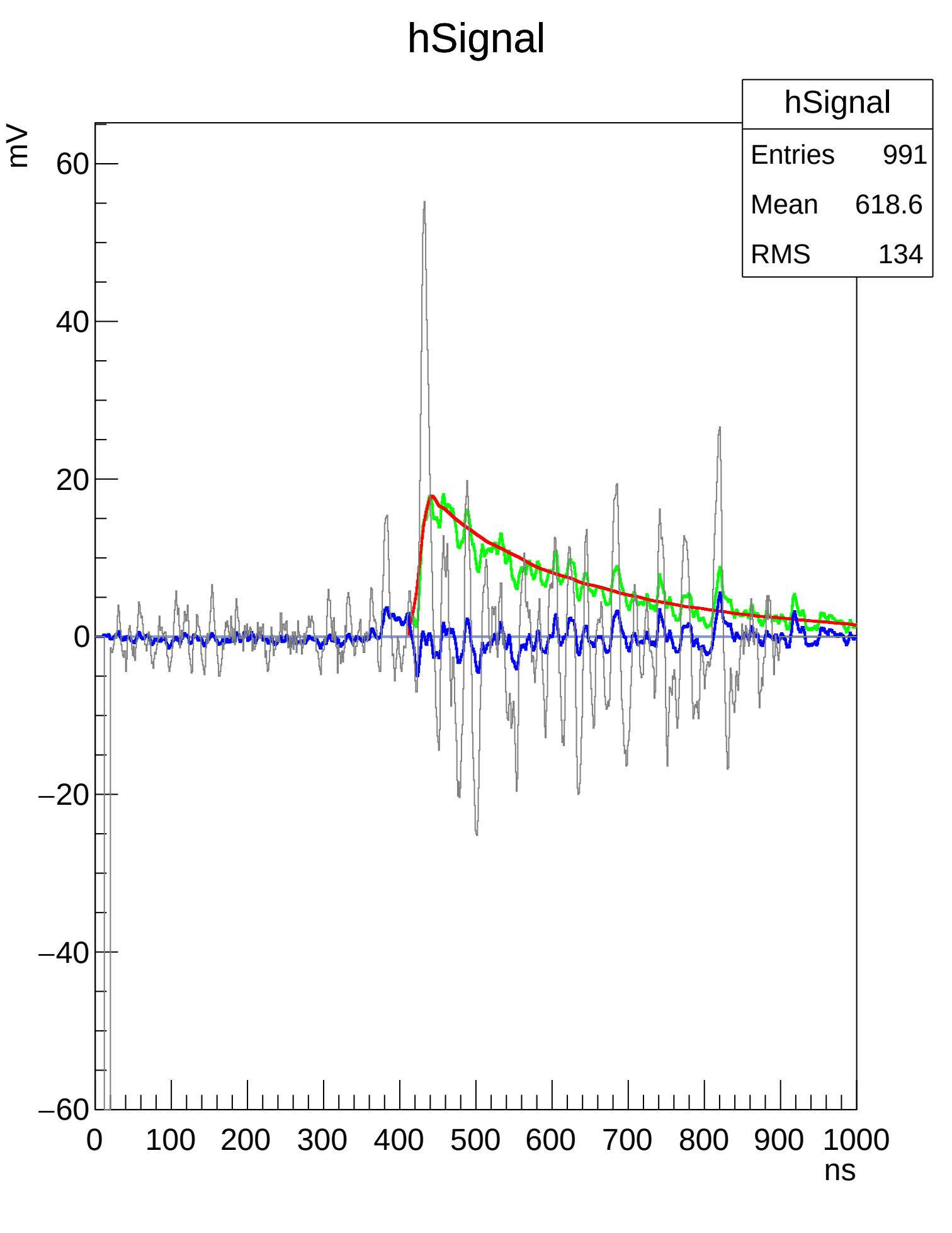
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.6
RMS 134
mV
60
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0
−20
−40
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0
100
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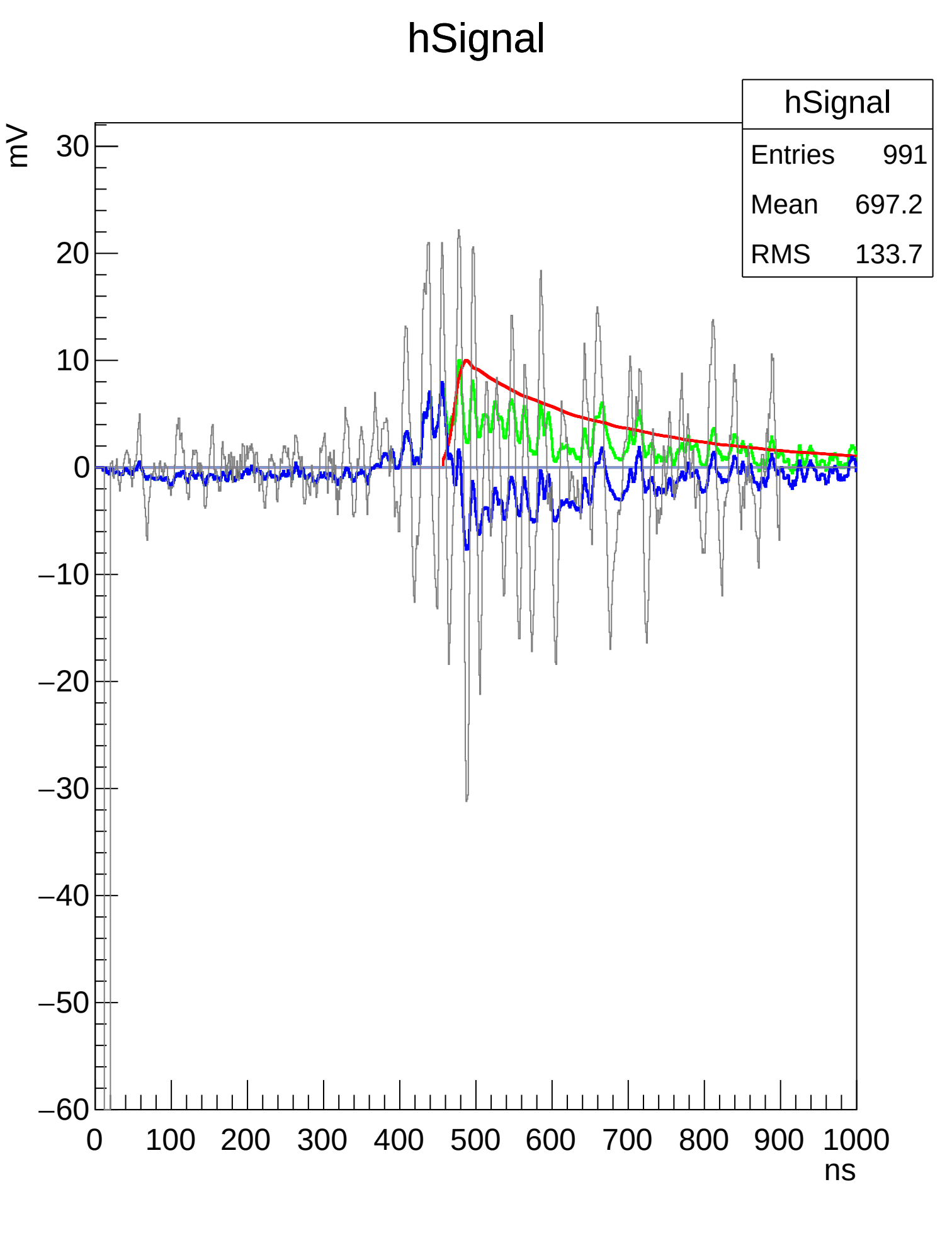
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 697.2
RMS 133.7
mV
30
20
10
0
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200
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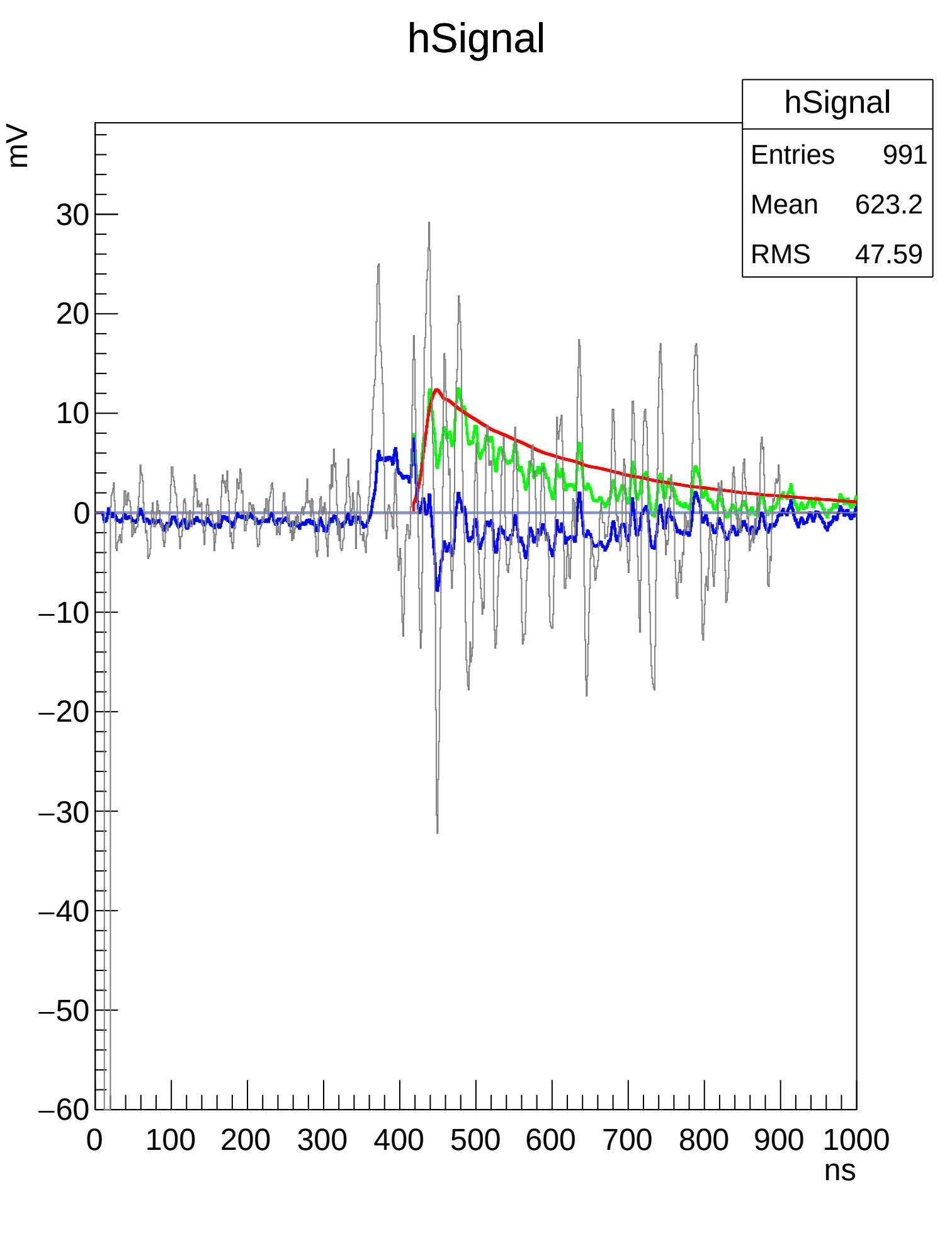
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.2
RMS 47.59
mV
30
20
10
0
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−40
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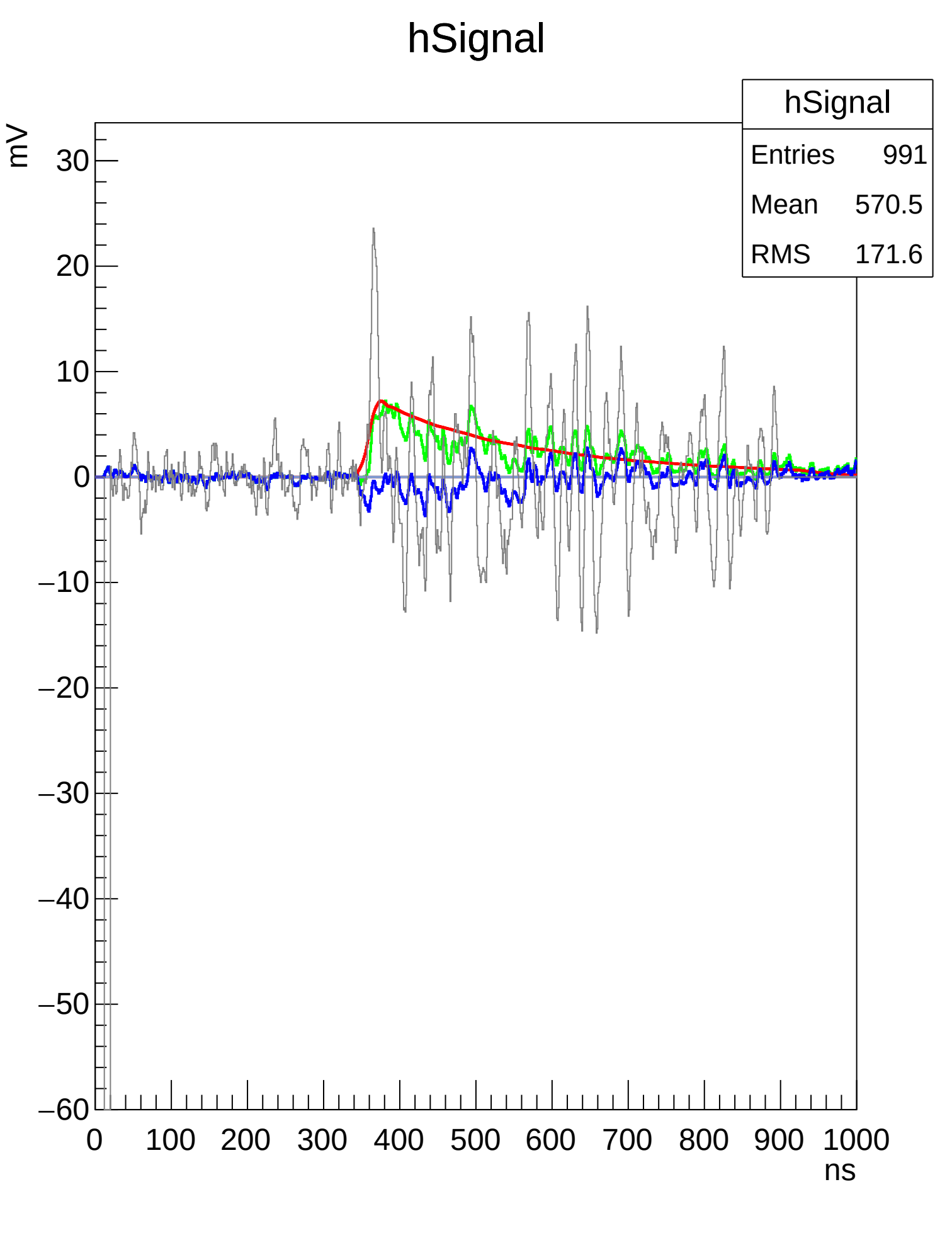
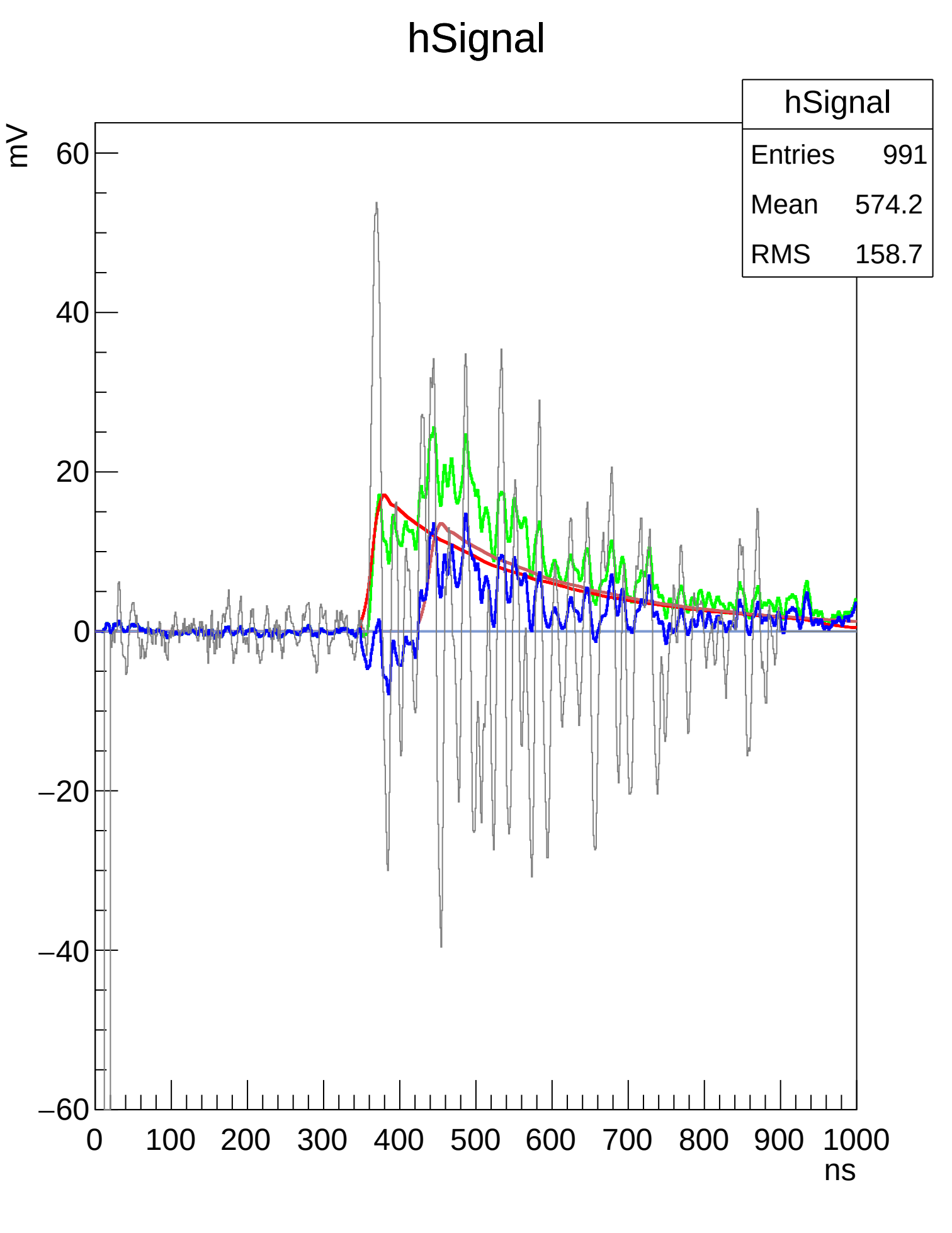
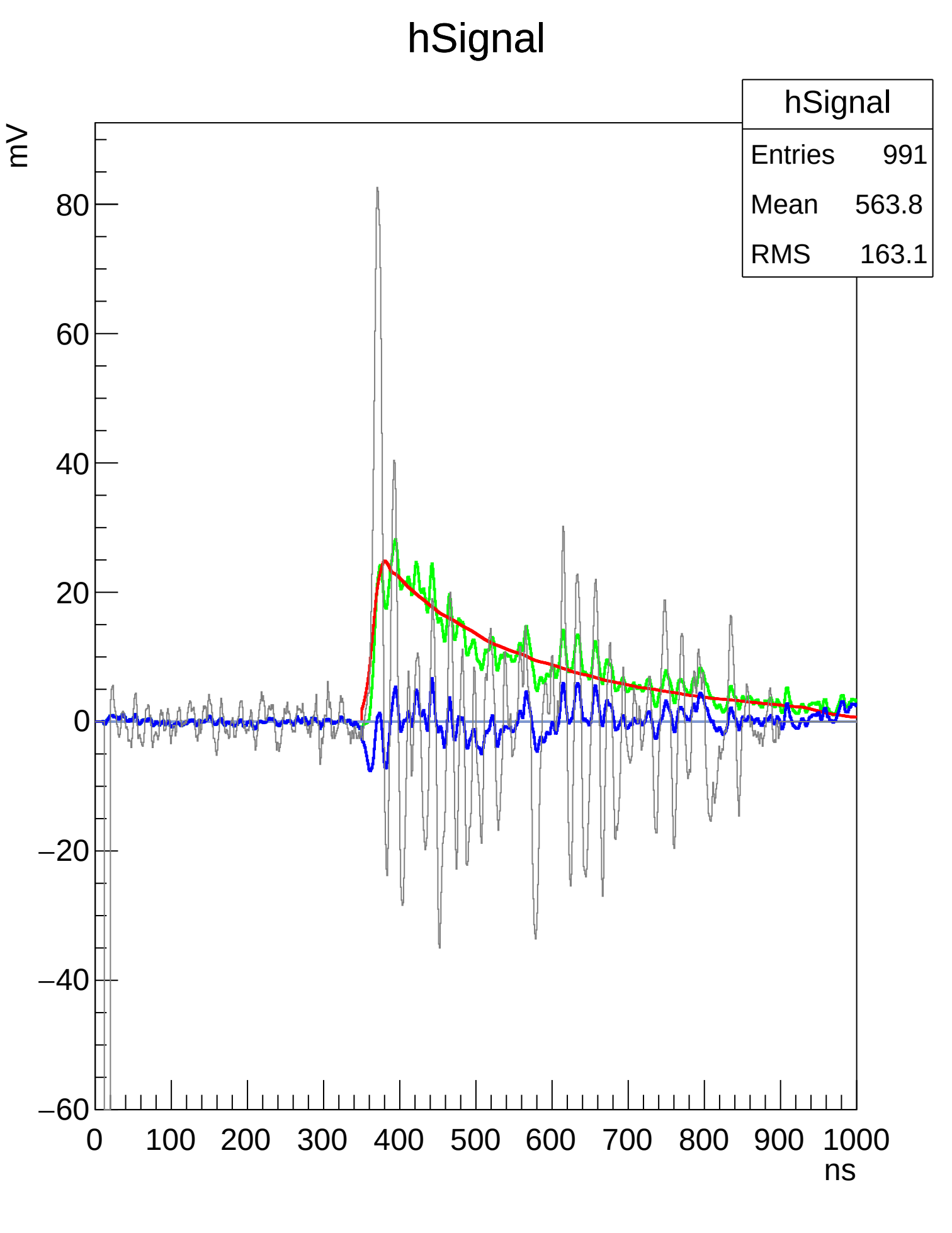
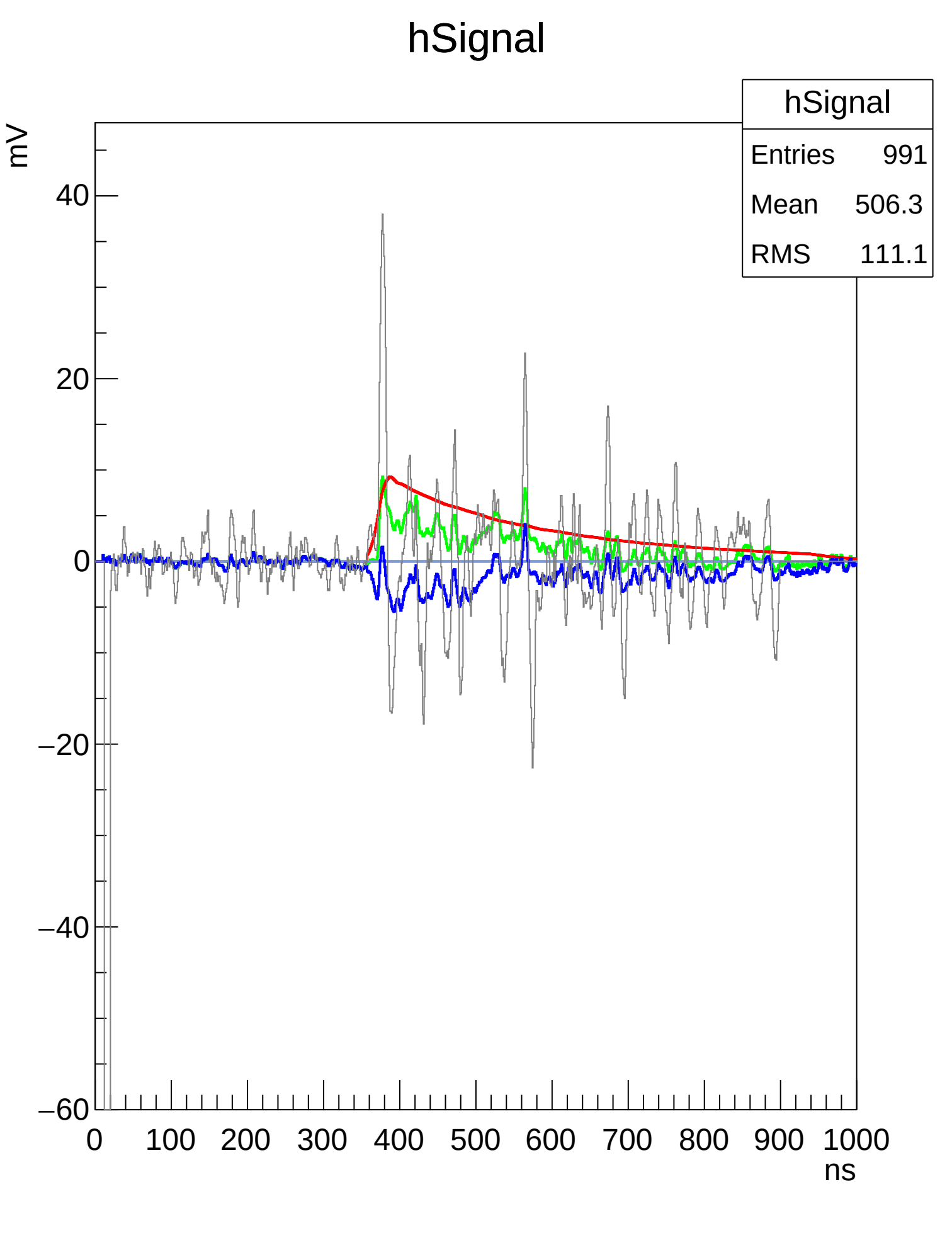
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.5
RMS 171.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.2
RMS 158.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.8
RMS 163.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.3
RMS 111.1
mV
40
20
0
−20
−40
−60
0
100
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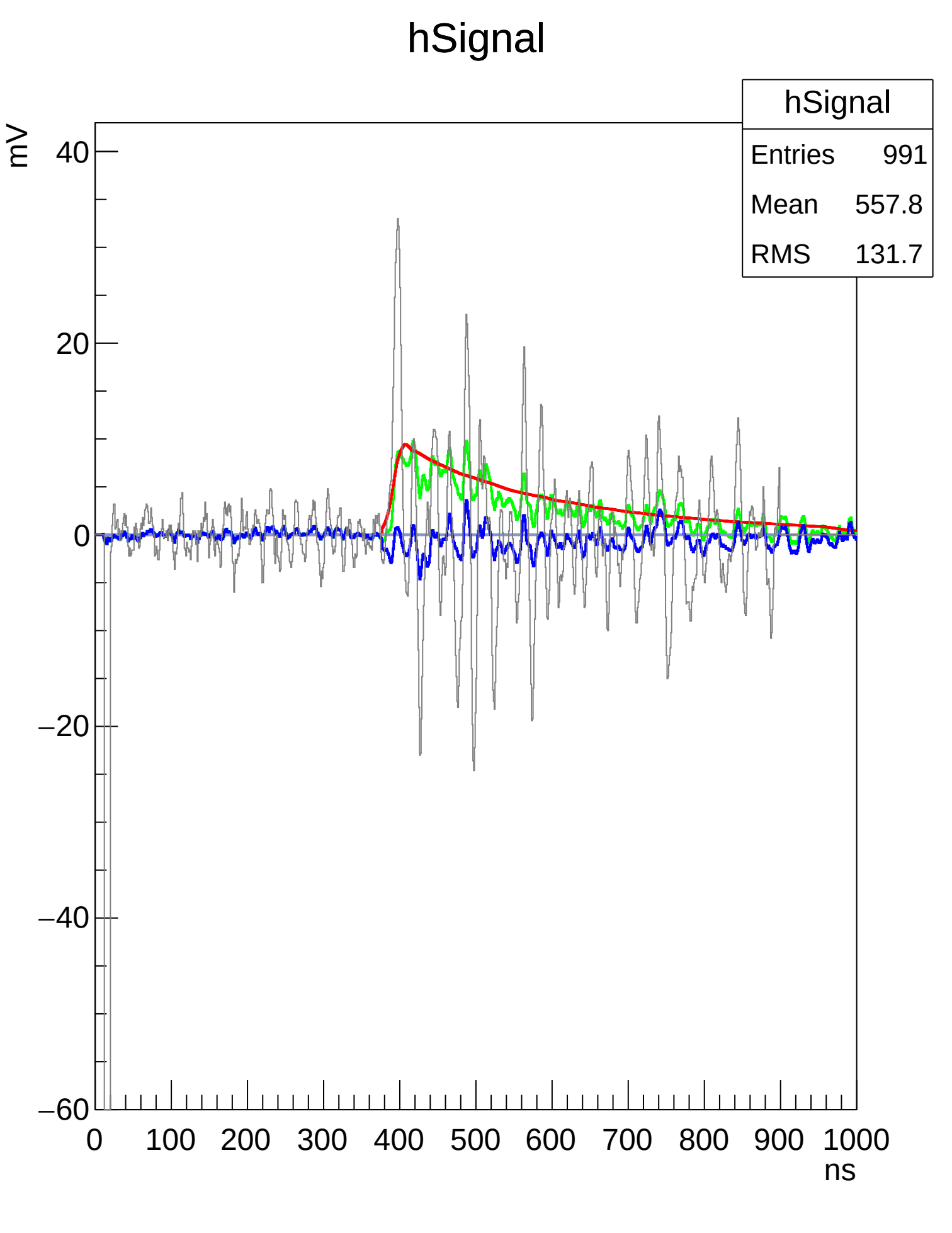
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.8
RMS 131.7
mV
40
20
0
−20
−40
−60
0
100
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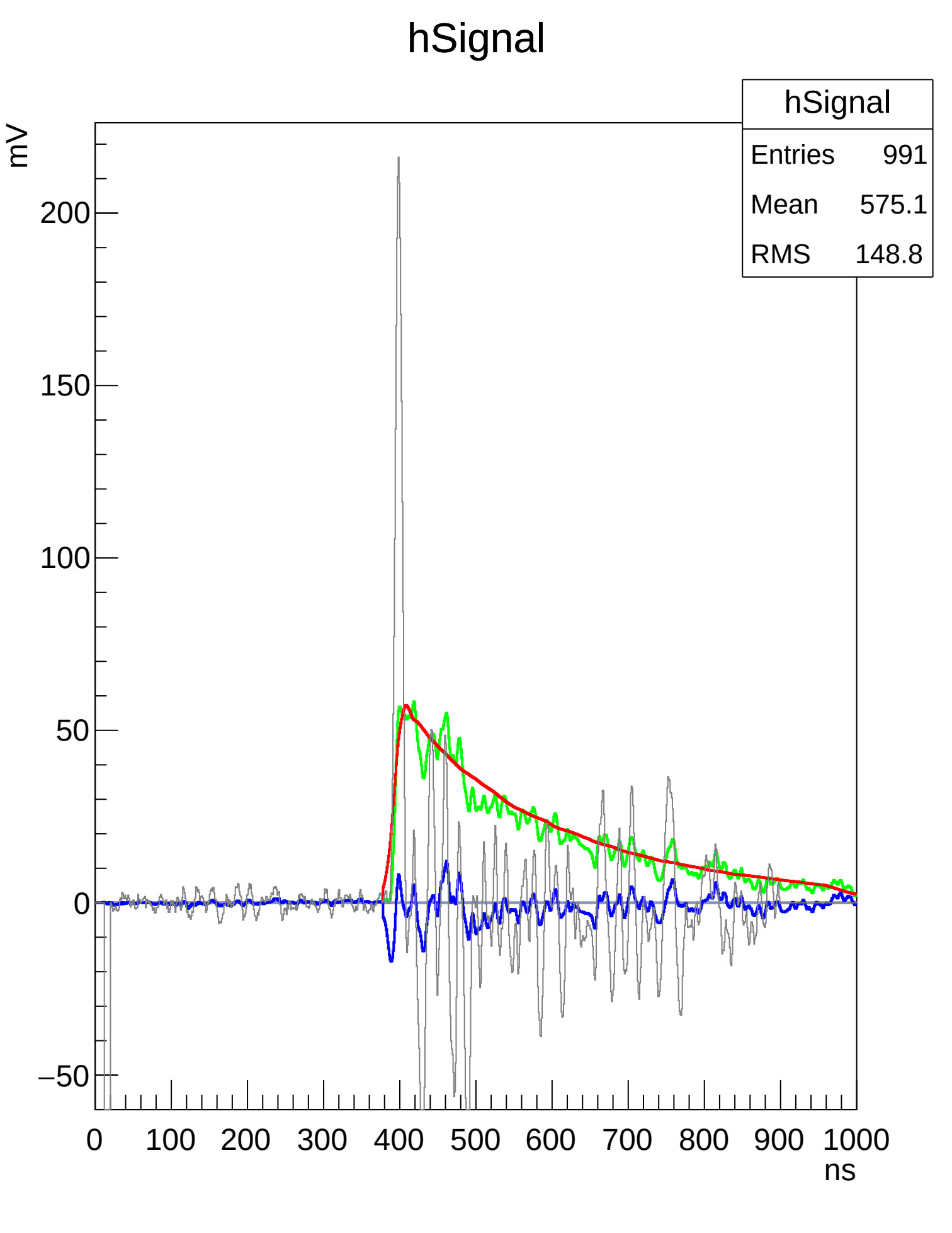
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.1
RMS 148.8
mV
200
150
100
50
0
−50
0
100
200
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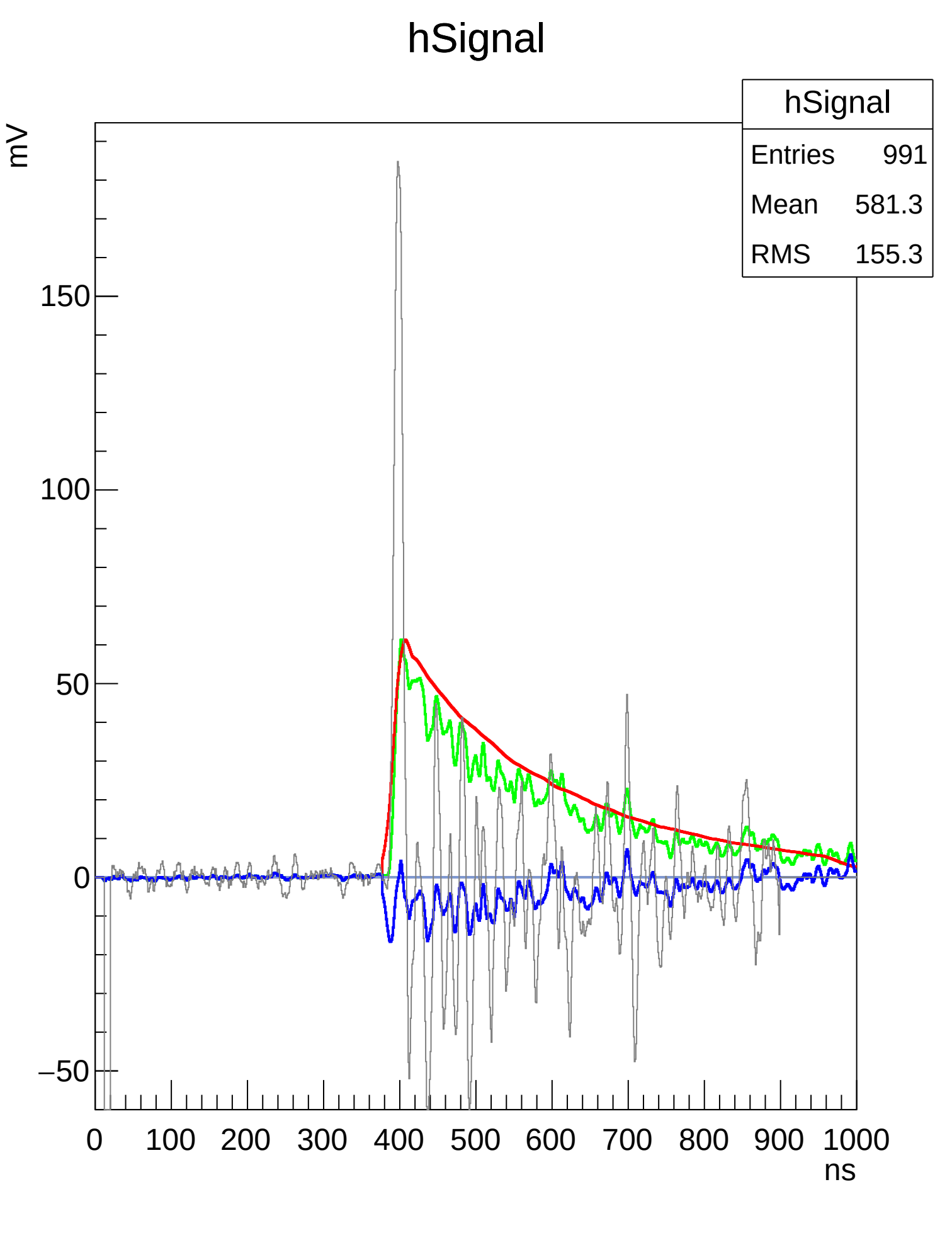
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.3
RMS 155.3
mV
150
100
50
0
−50
0
100
200
300
400
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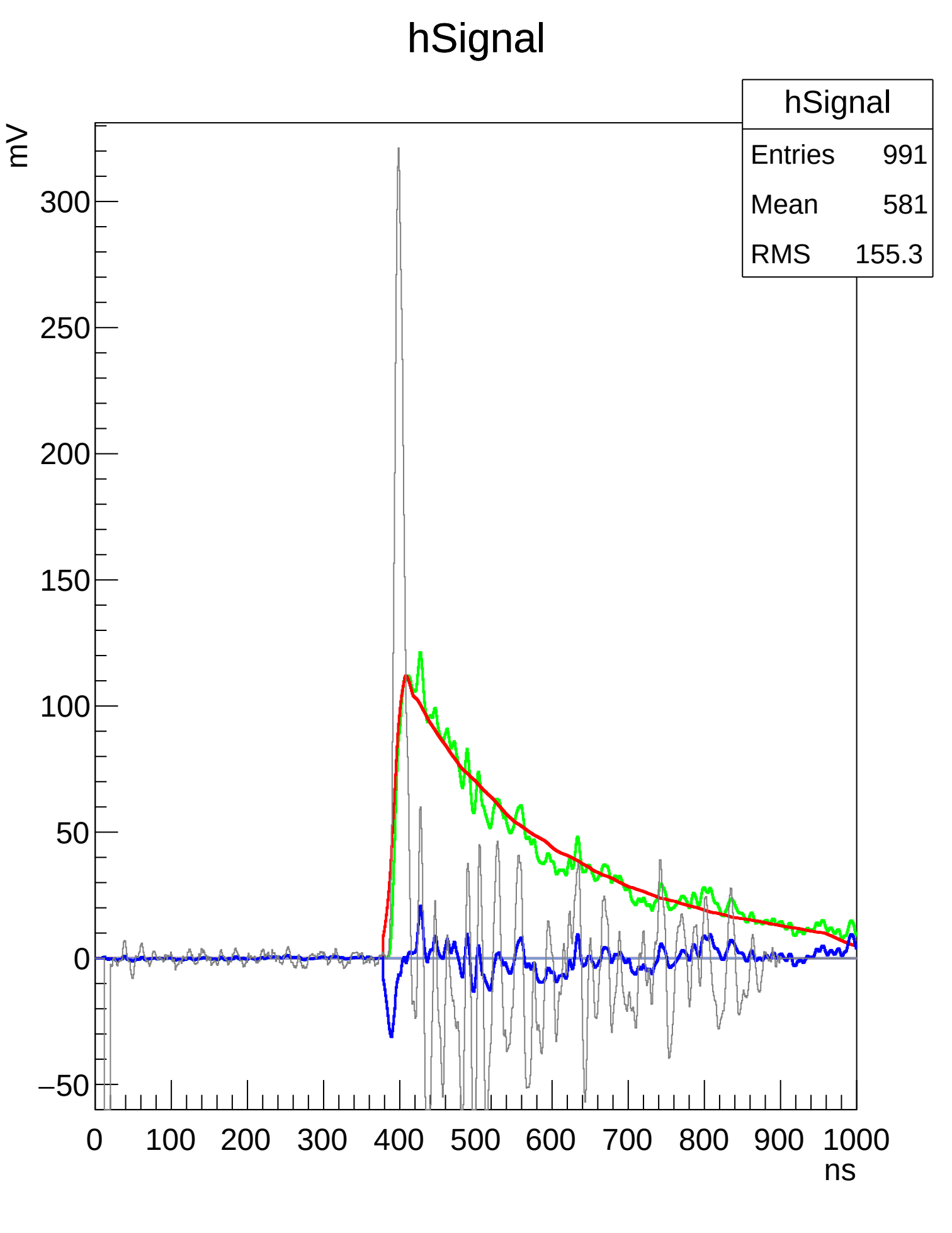
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 155.3
mV
300
250
200
150
100
50
0
−50
0
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200
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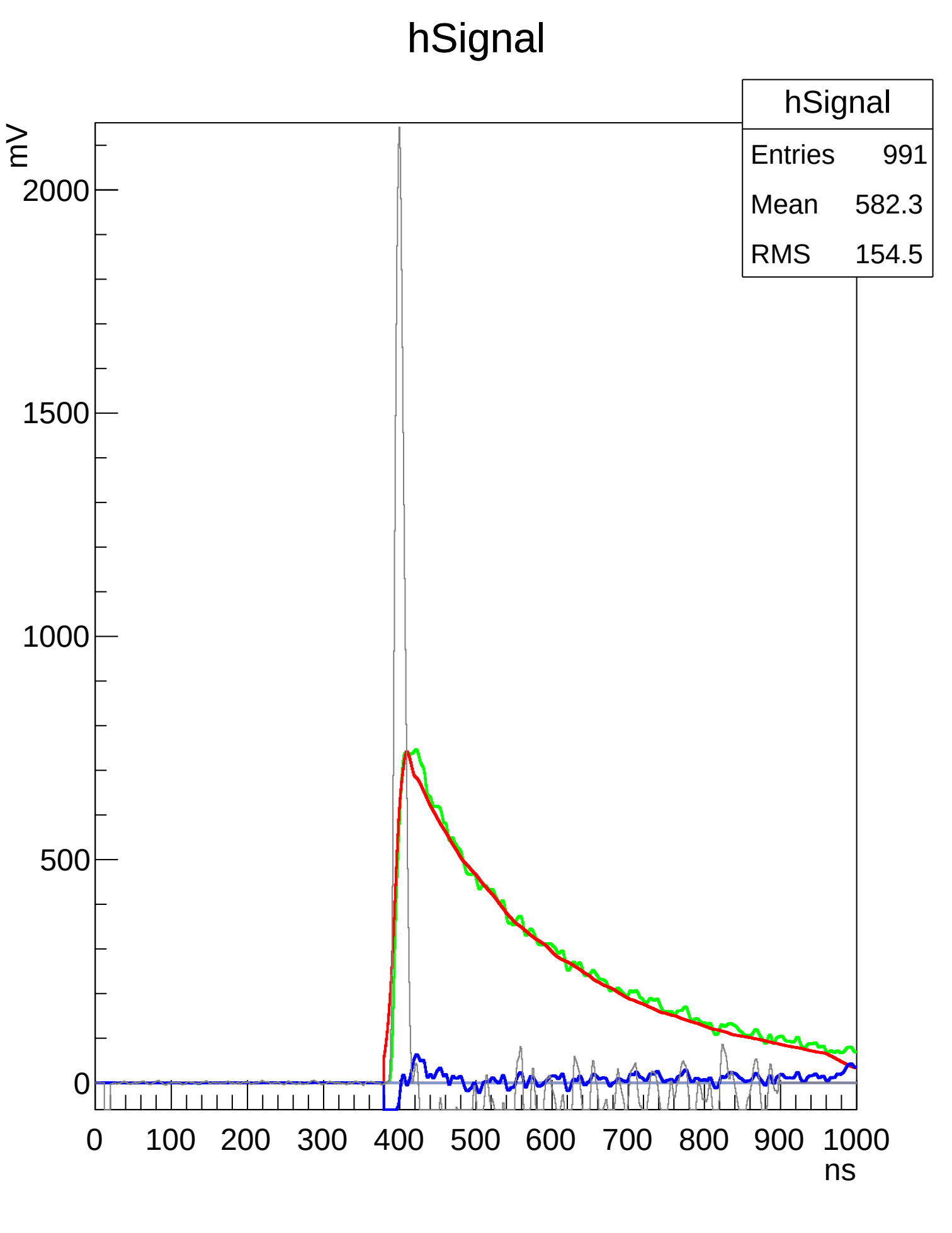
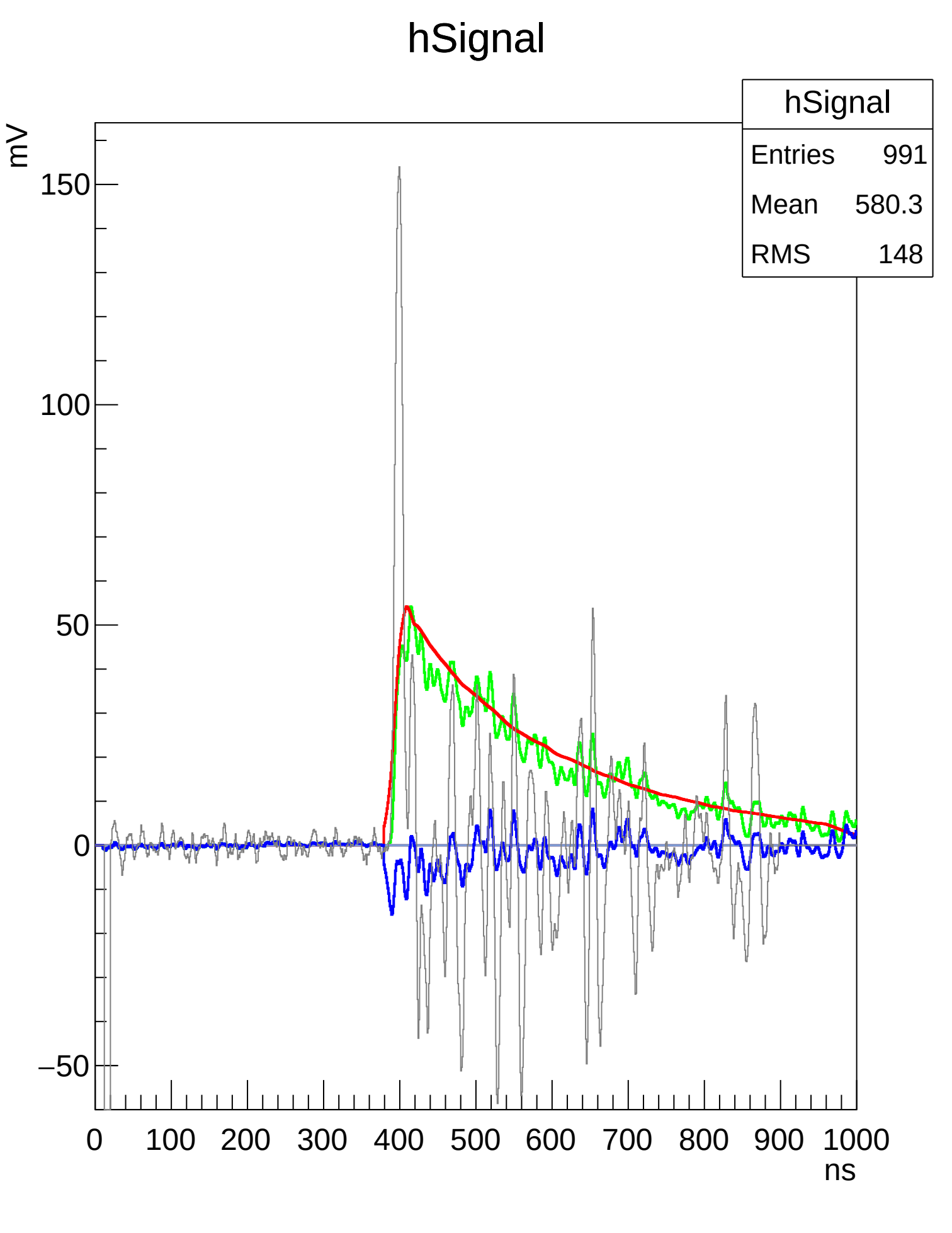
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.3
RMS 154.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.3
RMS 148
mV
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100
50
0
−50
0
100
200
300
400
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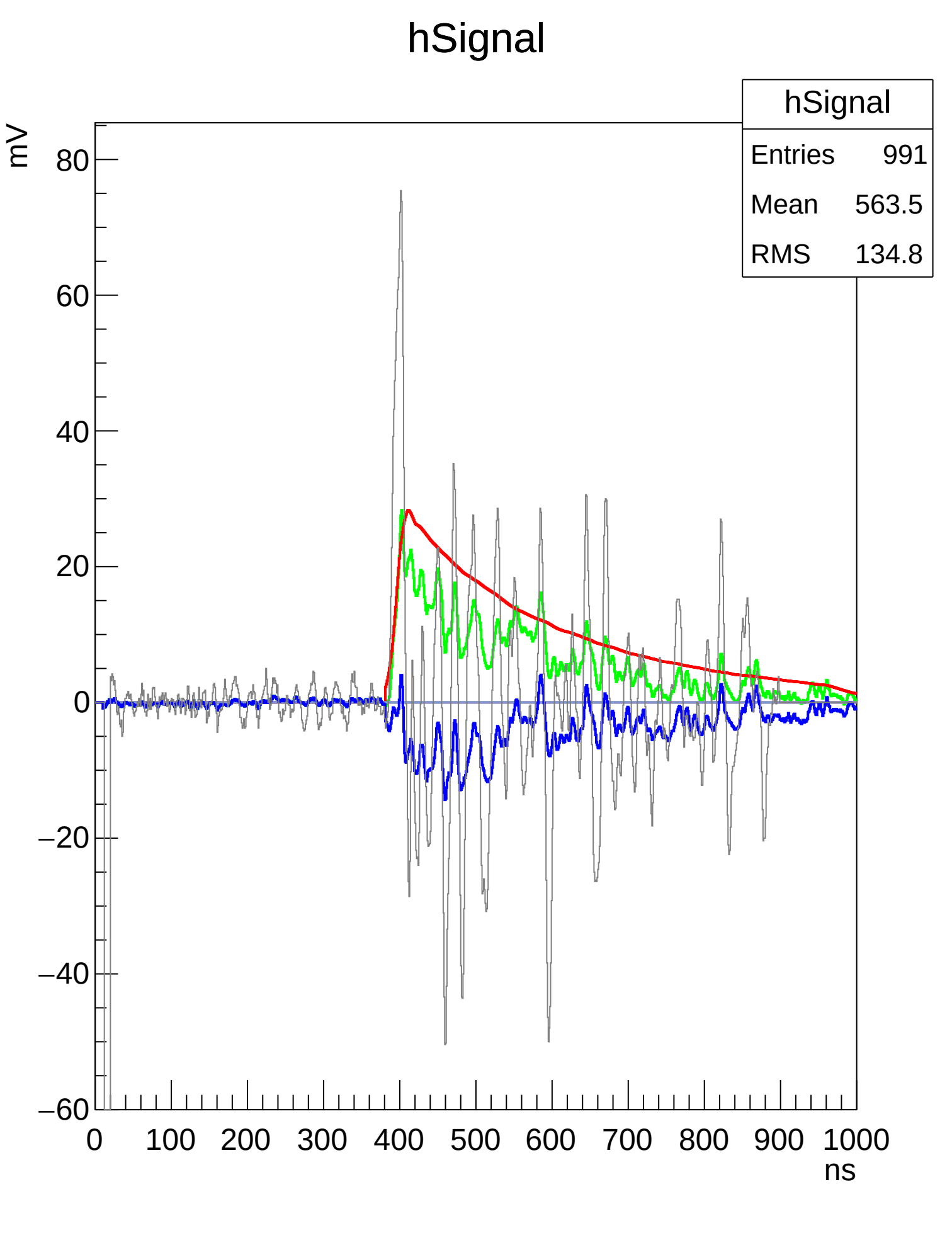
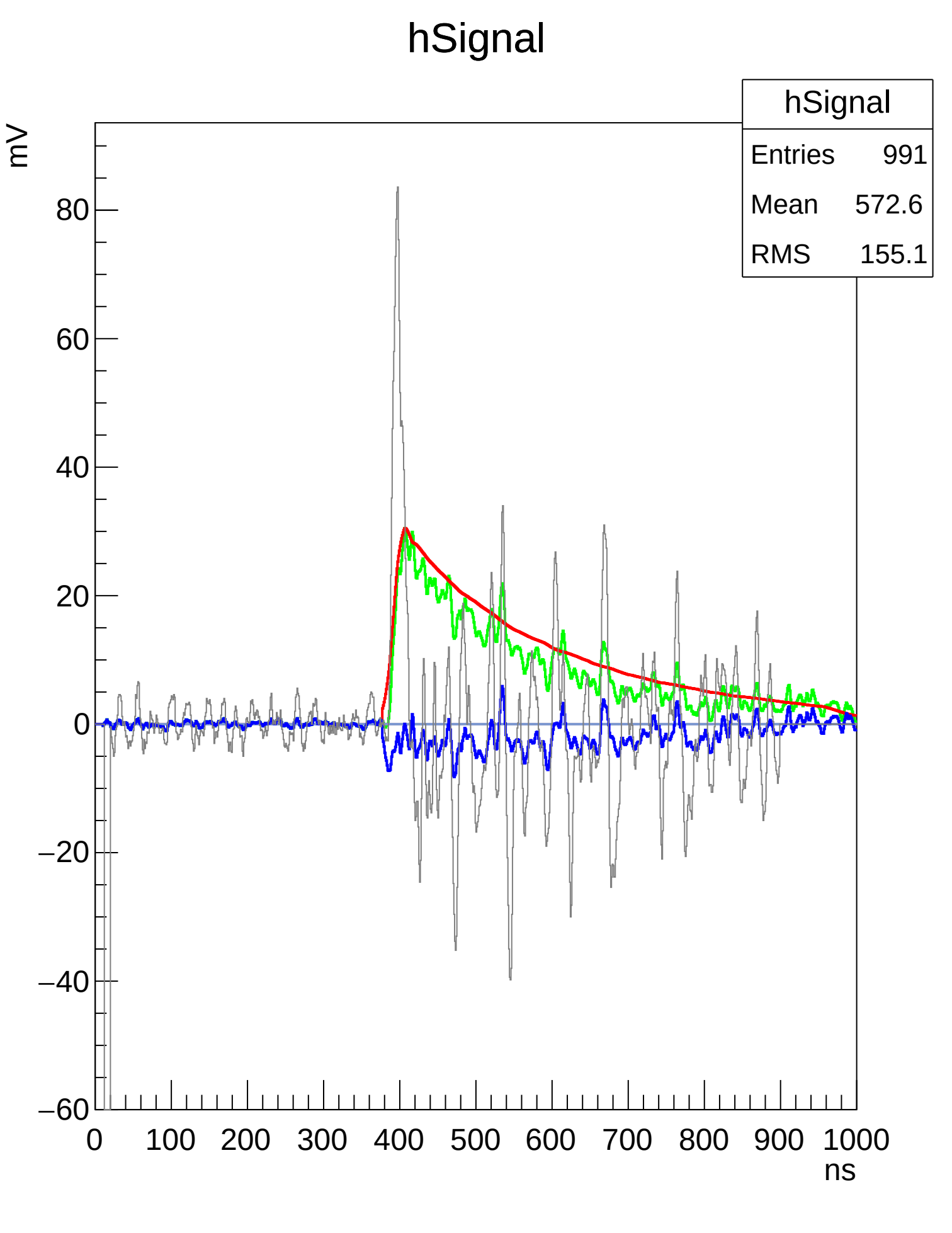
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.5
RMS 134.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.6
RMS 155.1
mV
80
60
40
20
0
−20
−40
−60
0
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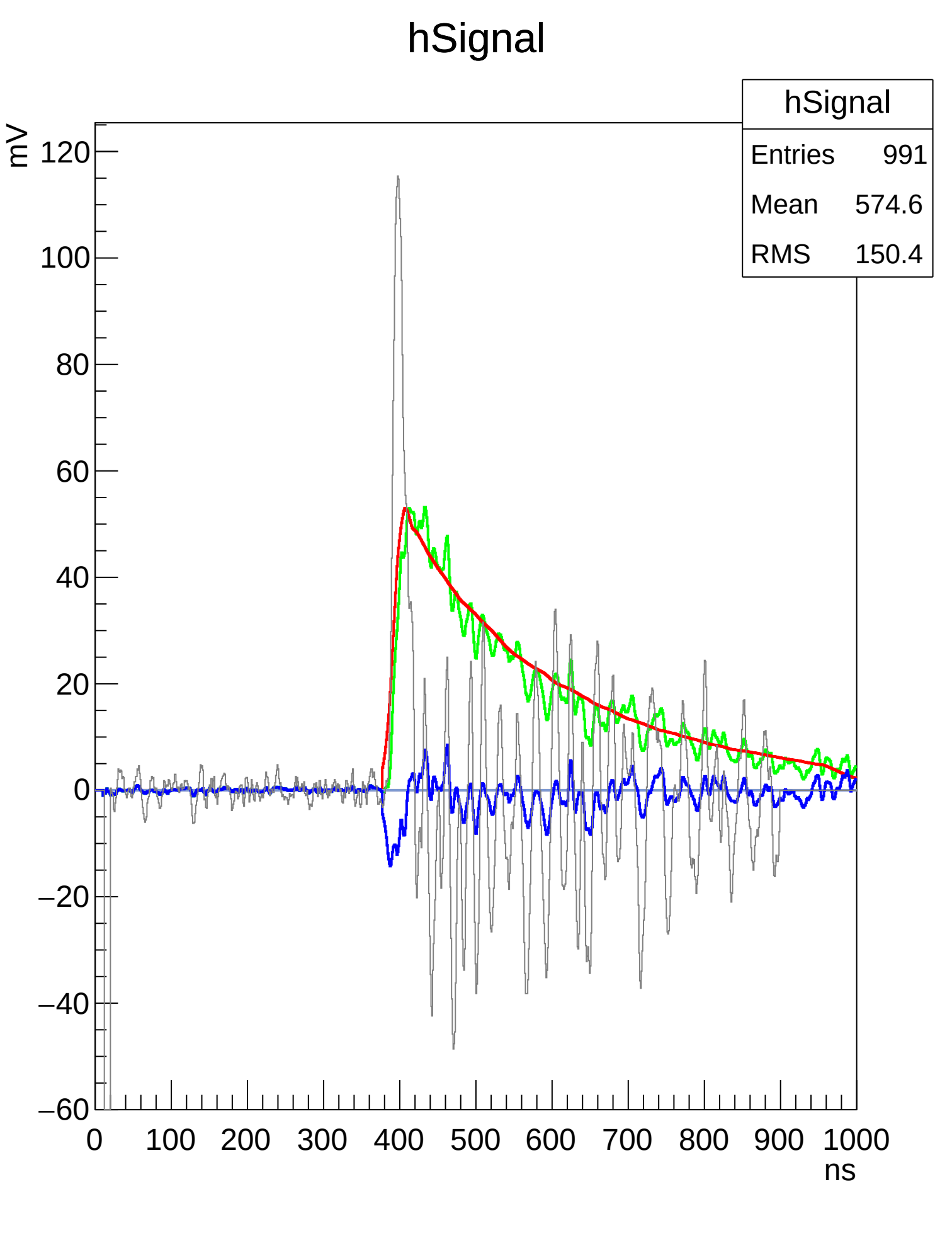
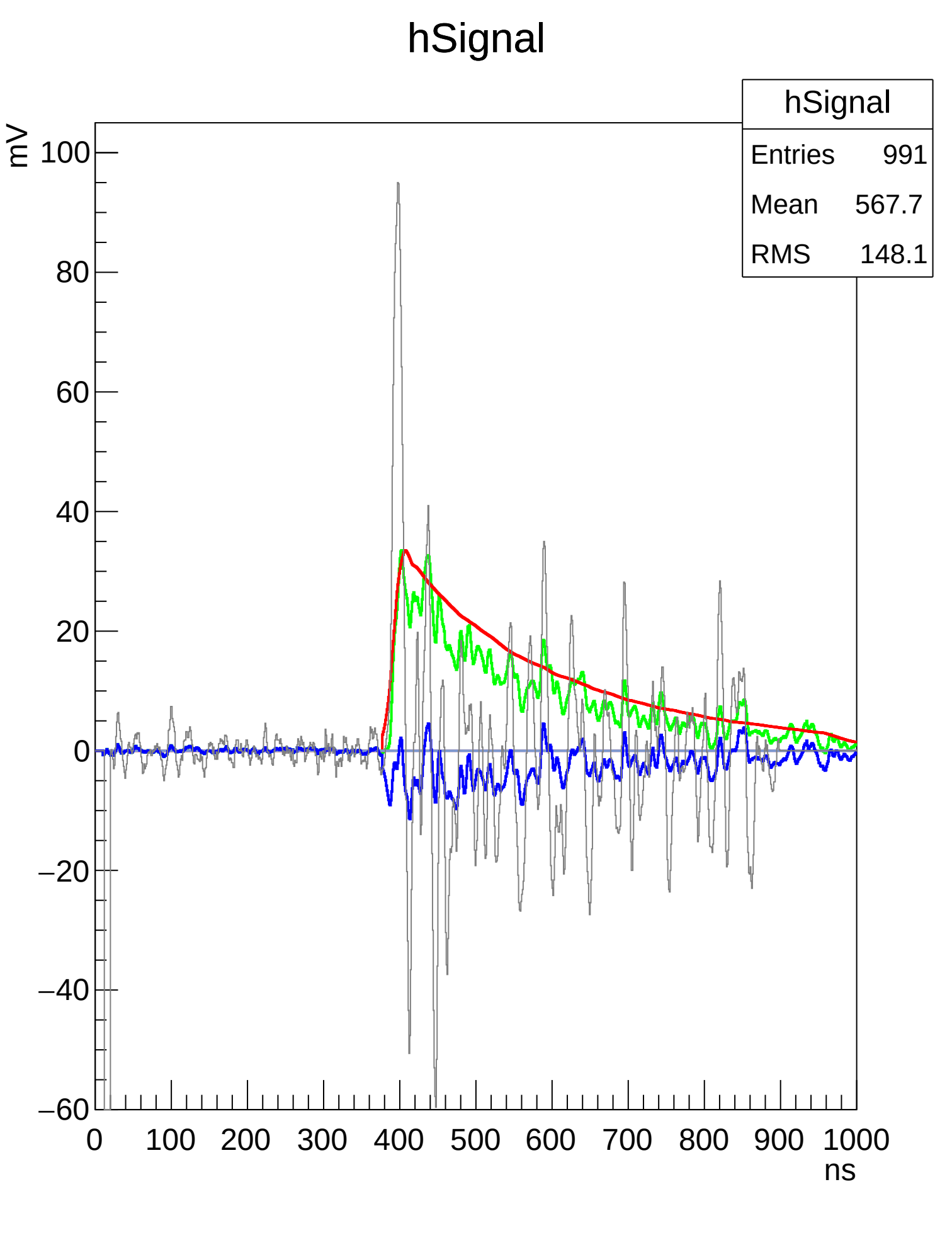
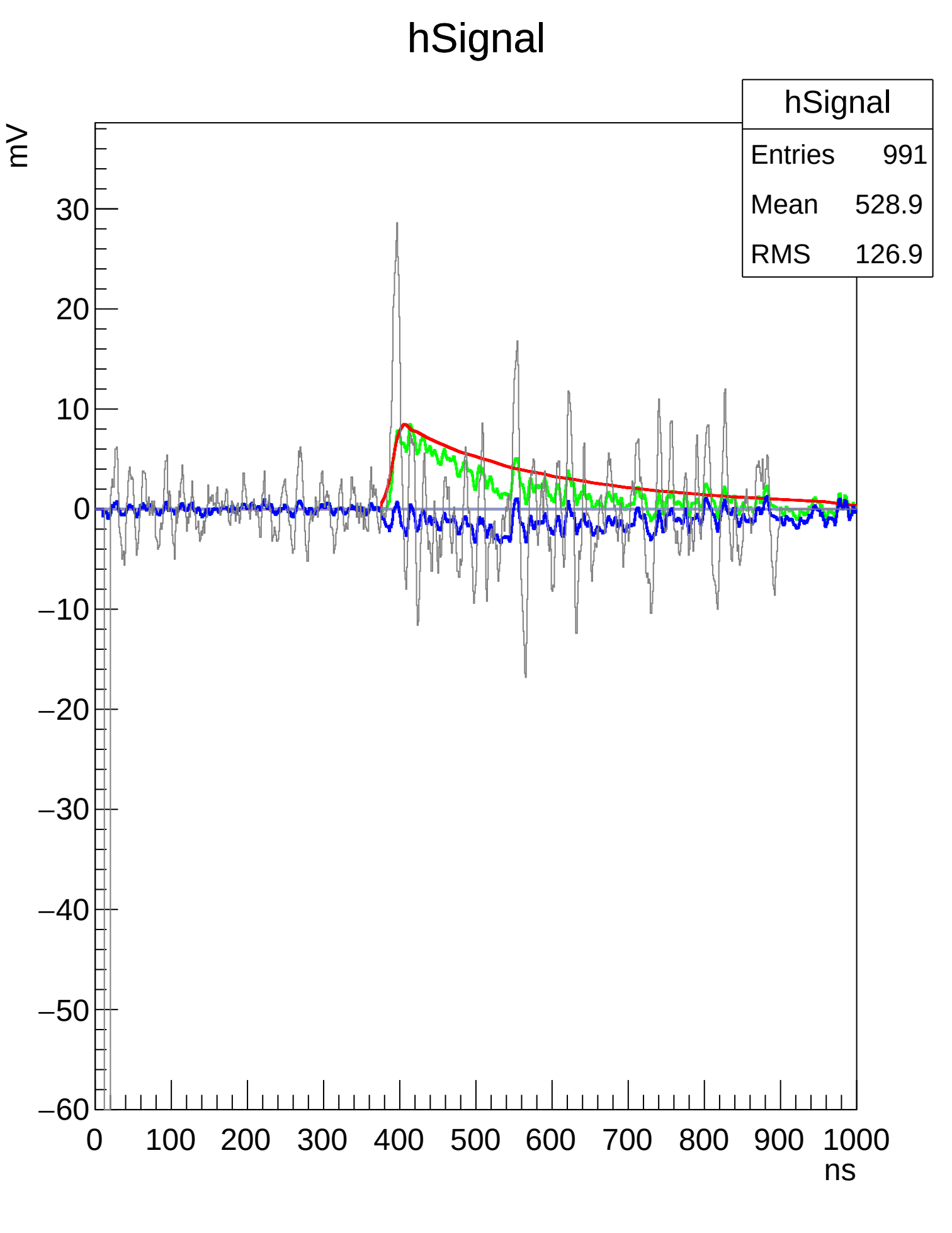
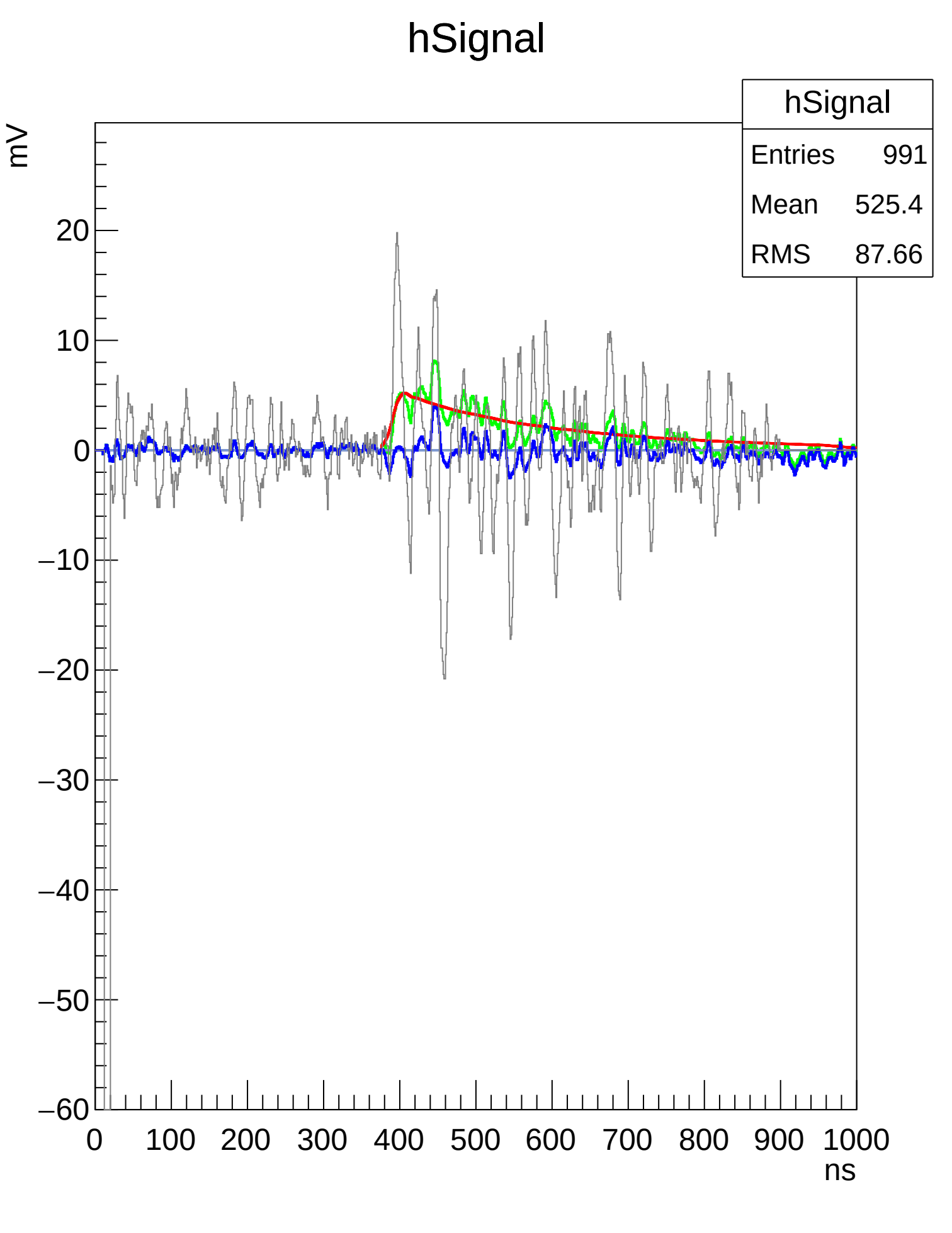
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.6
RMS 150.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.7
RMS 148.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.9
RMS 126.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.4
RMS 87.66
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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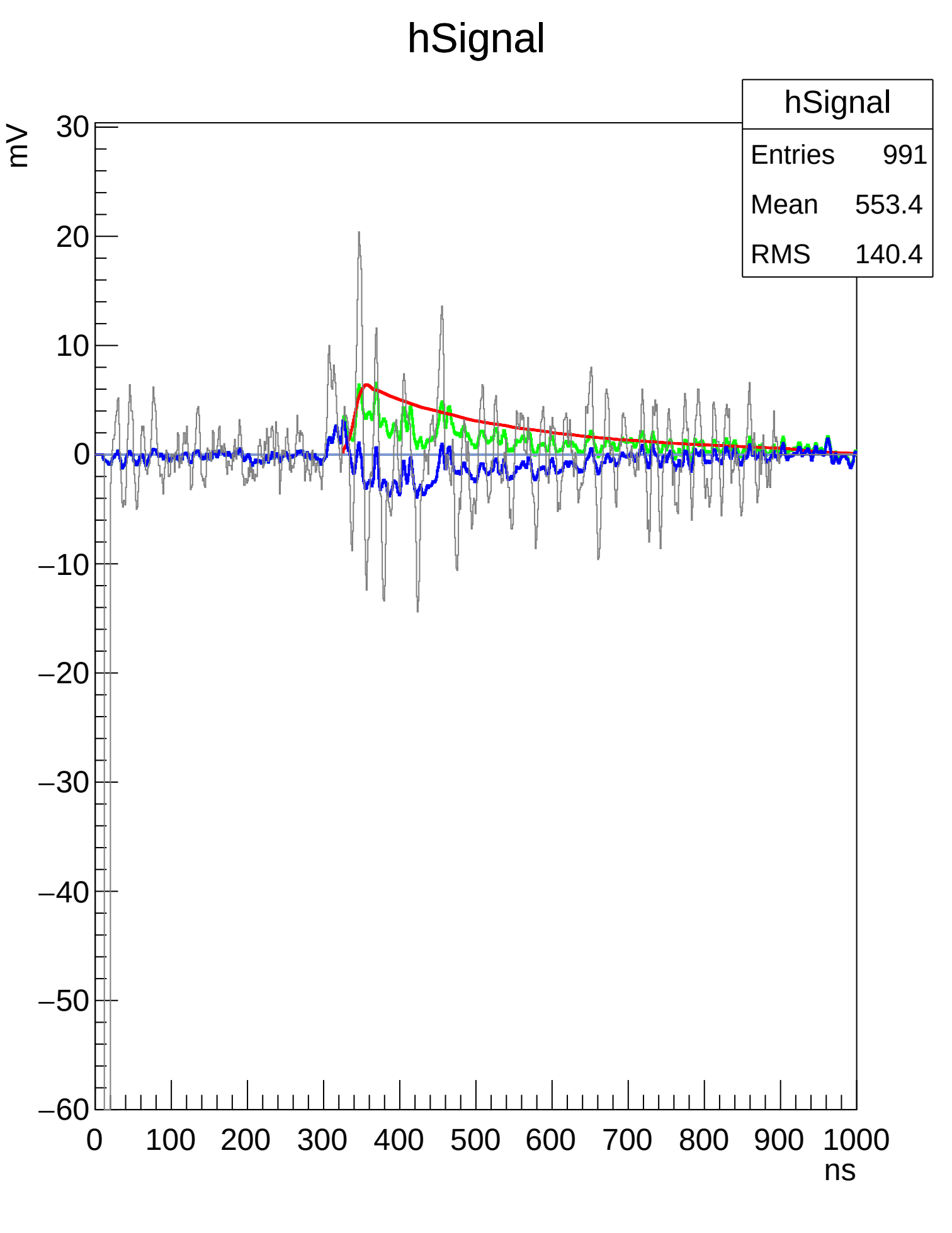
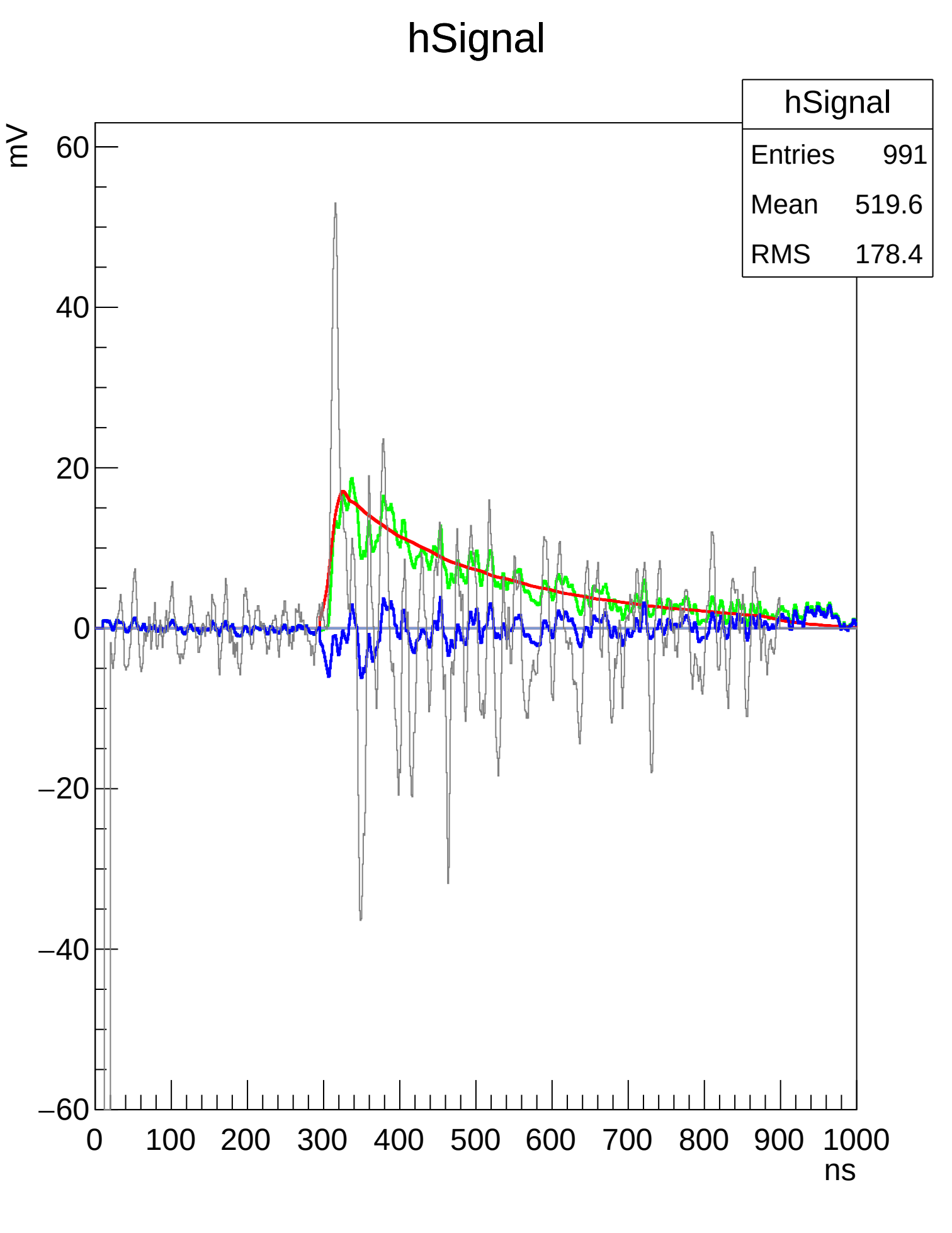
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.4
RMS 140.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.6
RMS 178.4
mV
60
40
20
0
−20
−40
−60
0
100
200
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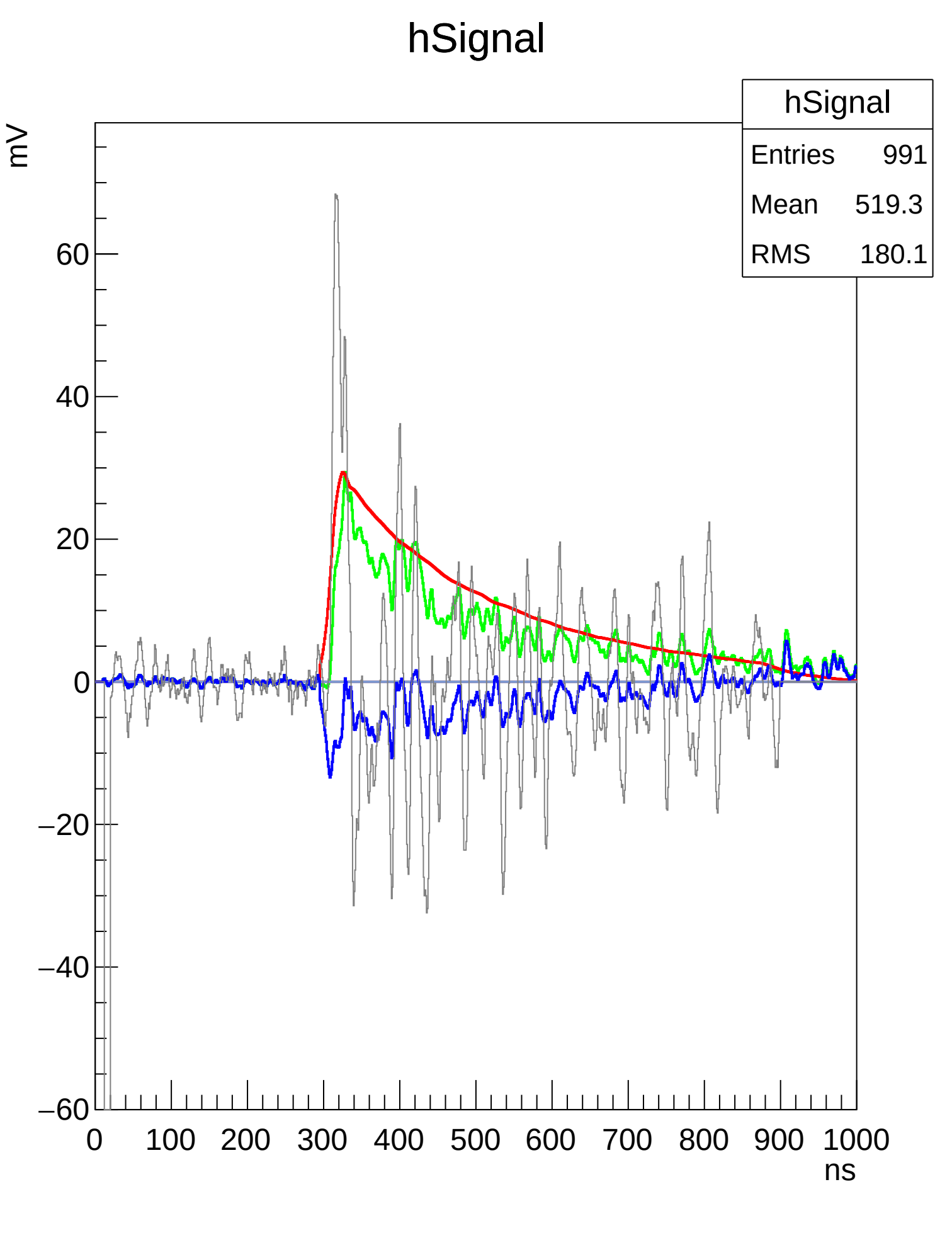
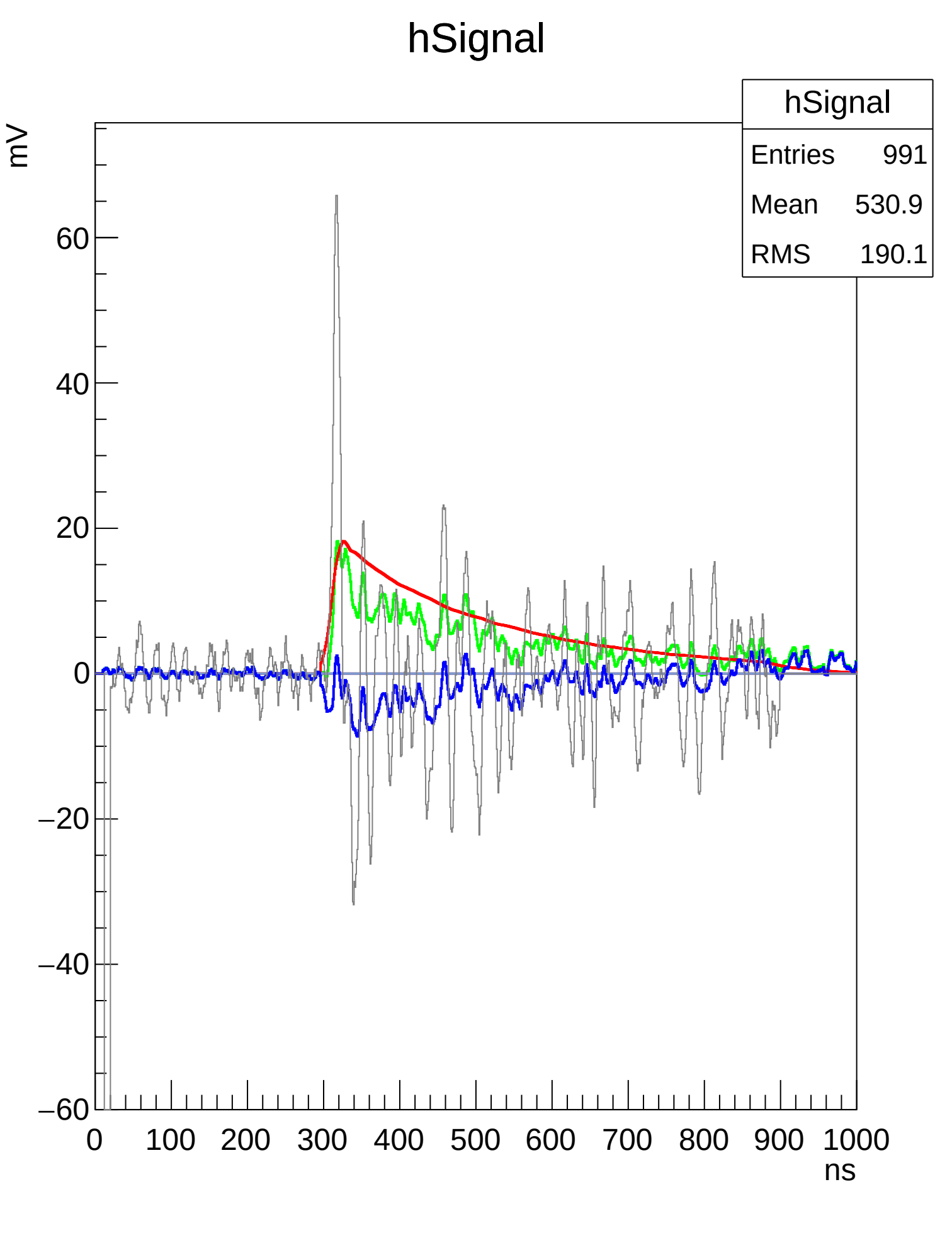
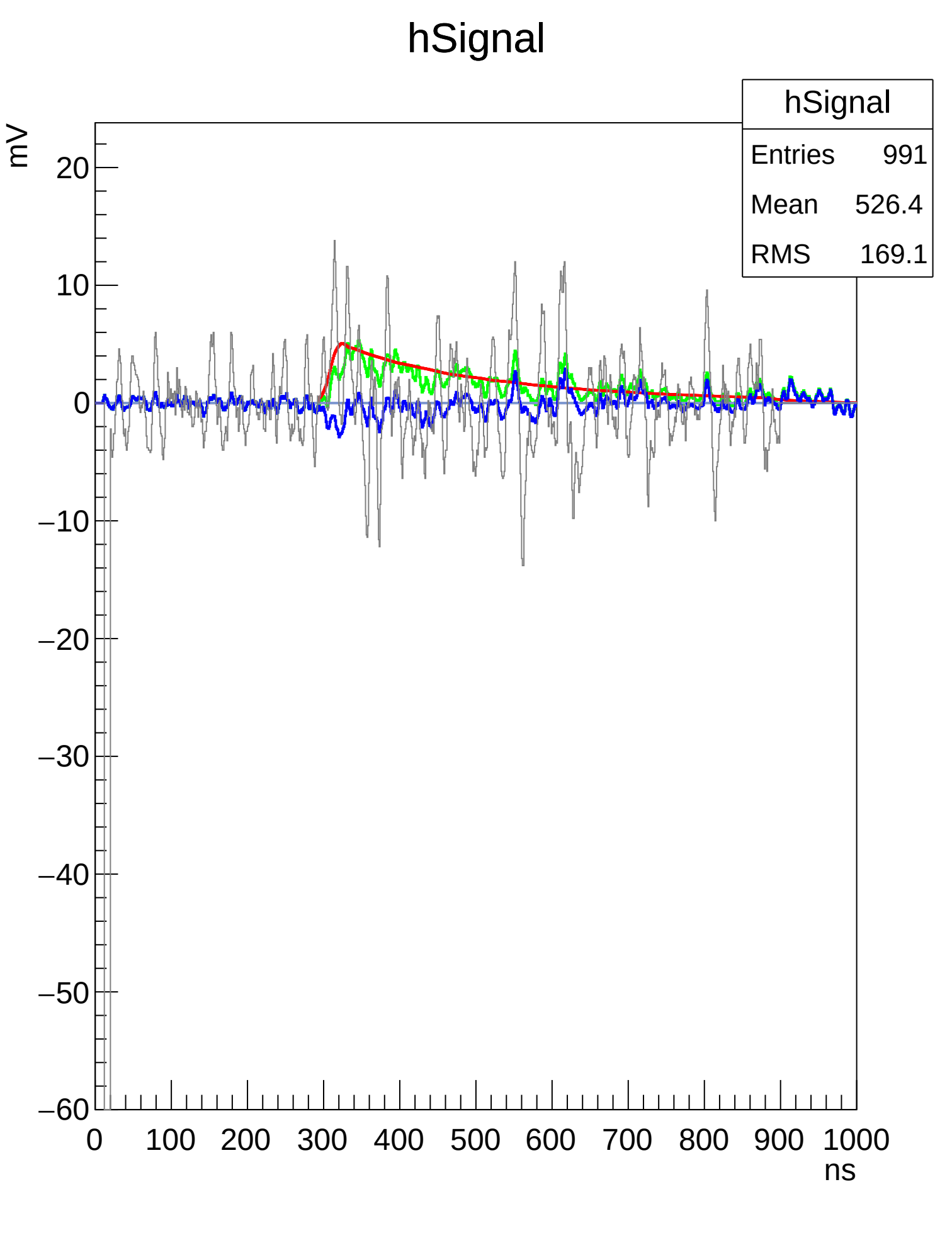
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.3
RMS 180.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.9
RMS 190.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.4
RMS 169.1
mV
20
10
0
−10
−20
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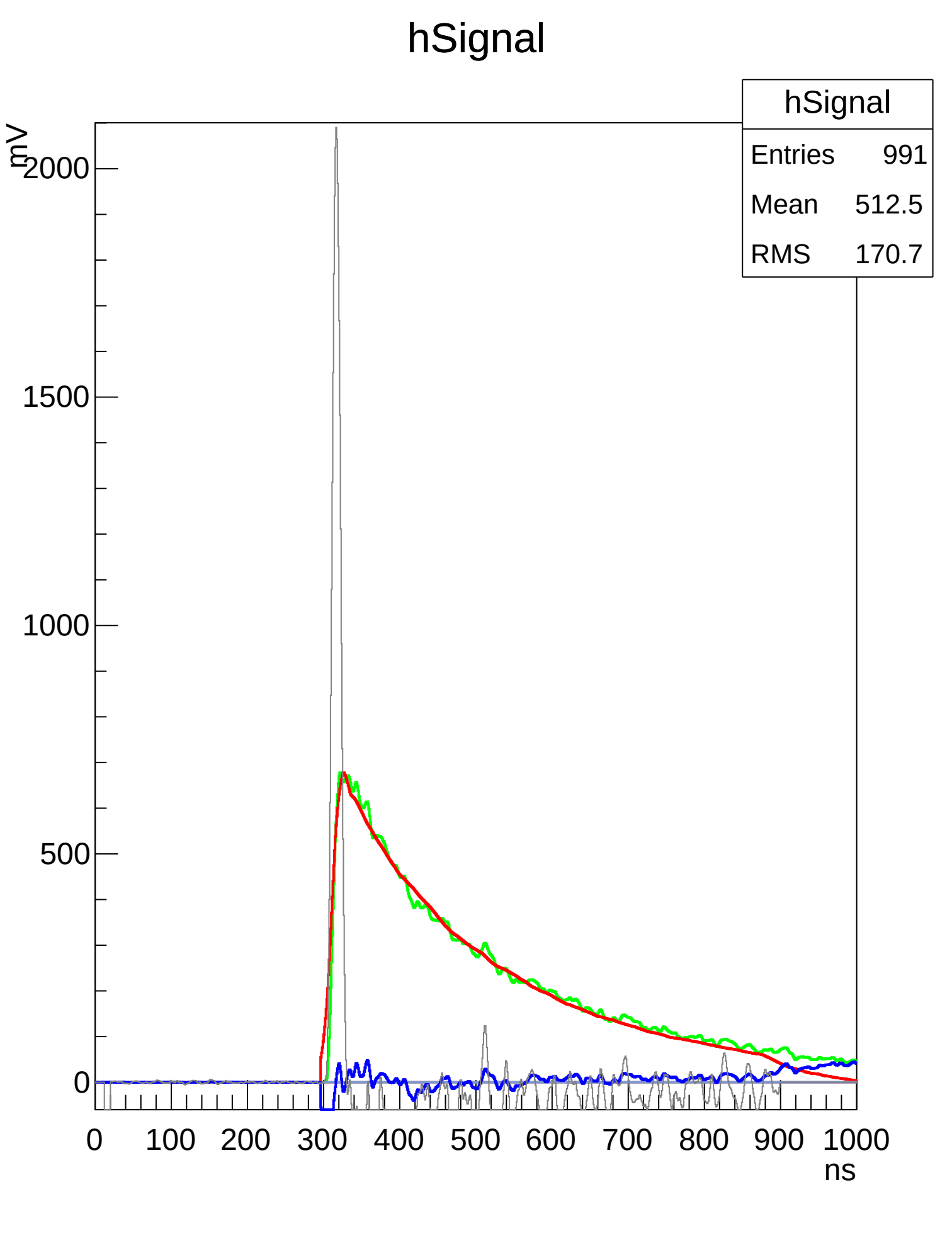
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.5
RMS 170.7
mV
2000
1500
1000
500
0
0
100
200
300
400
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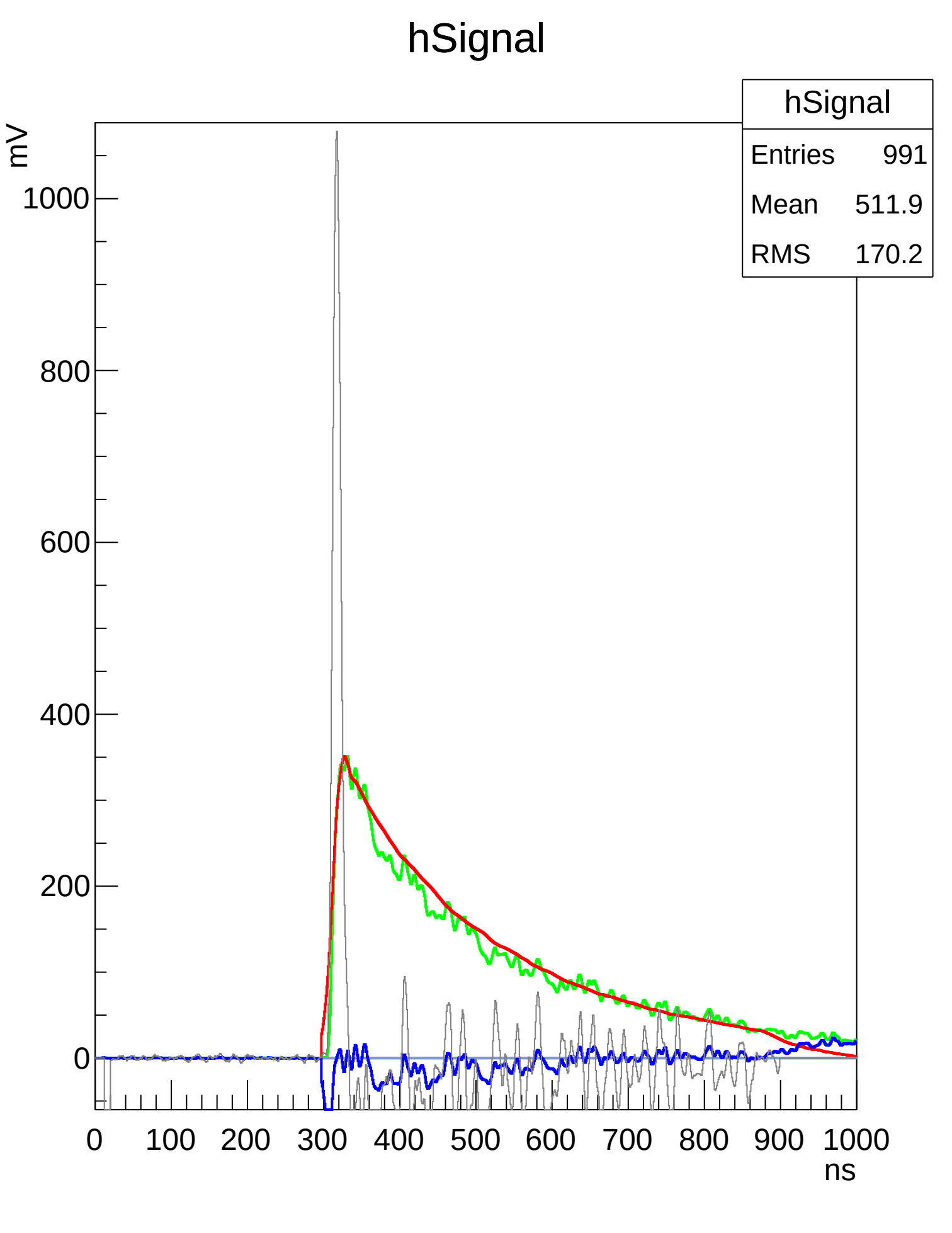
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.9
RMS 170.2
mV
1000
800
600
400
200
0
0
100
200
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400
500
600
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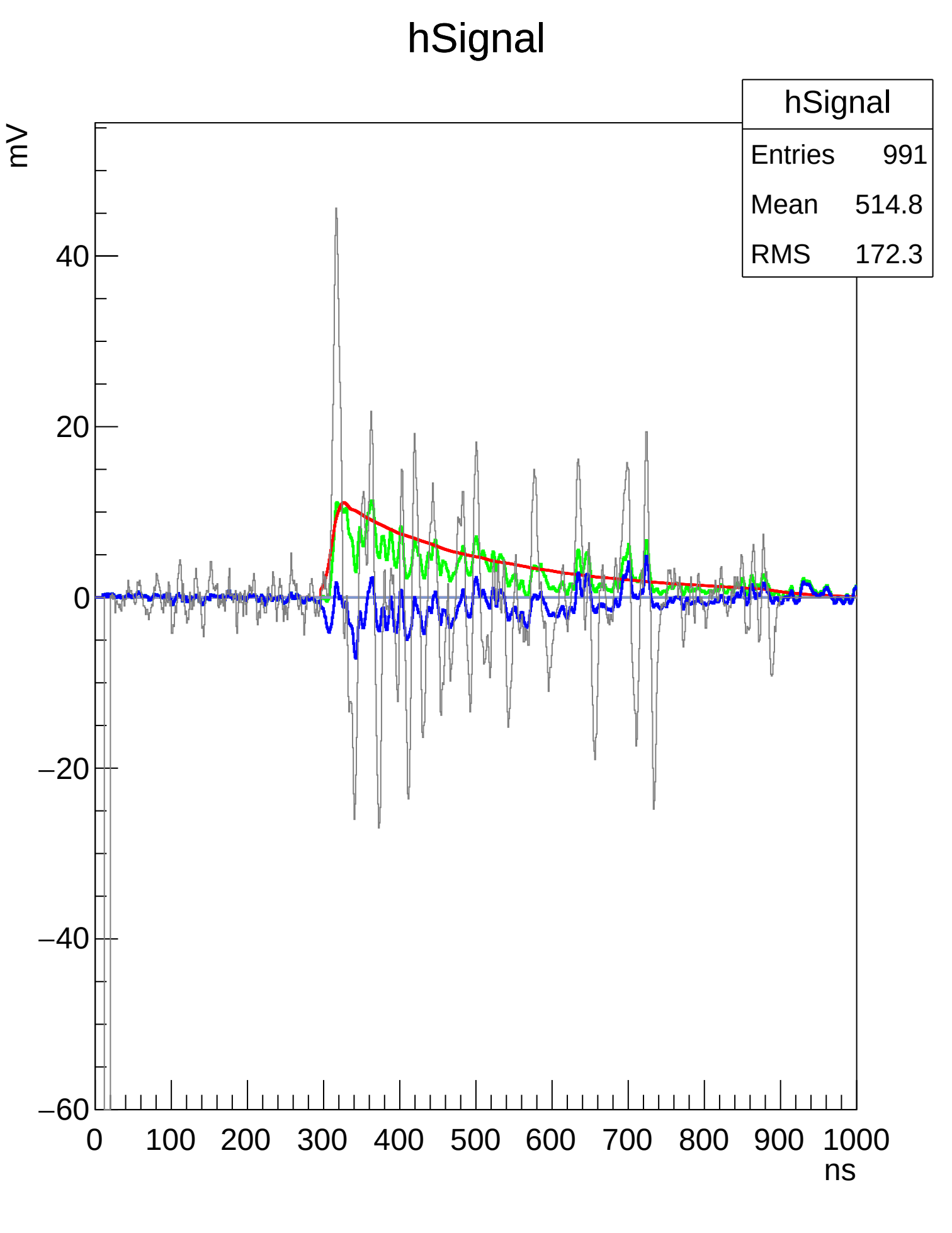
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.8
RMS 172.3
mV
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0
−20
−40
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0
100
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400
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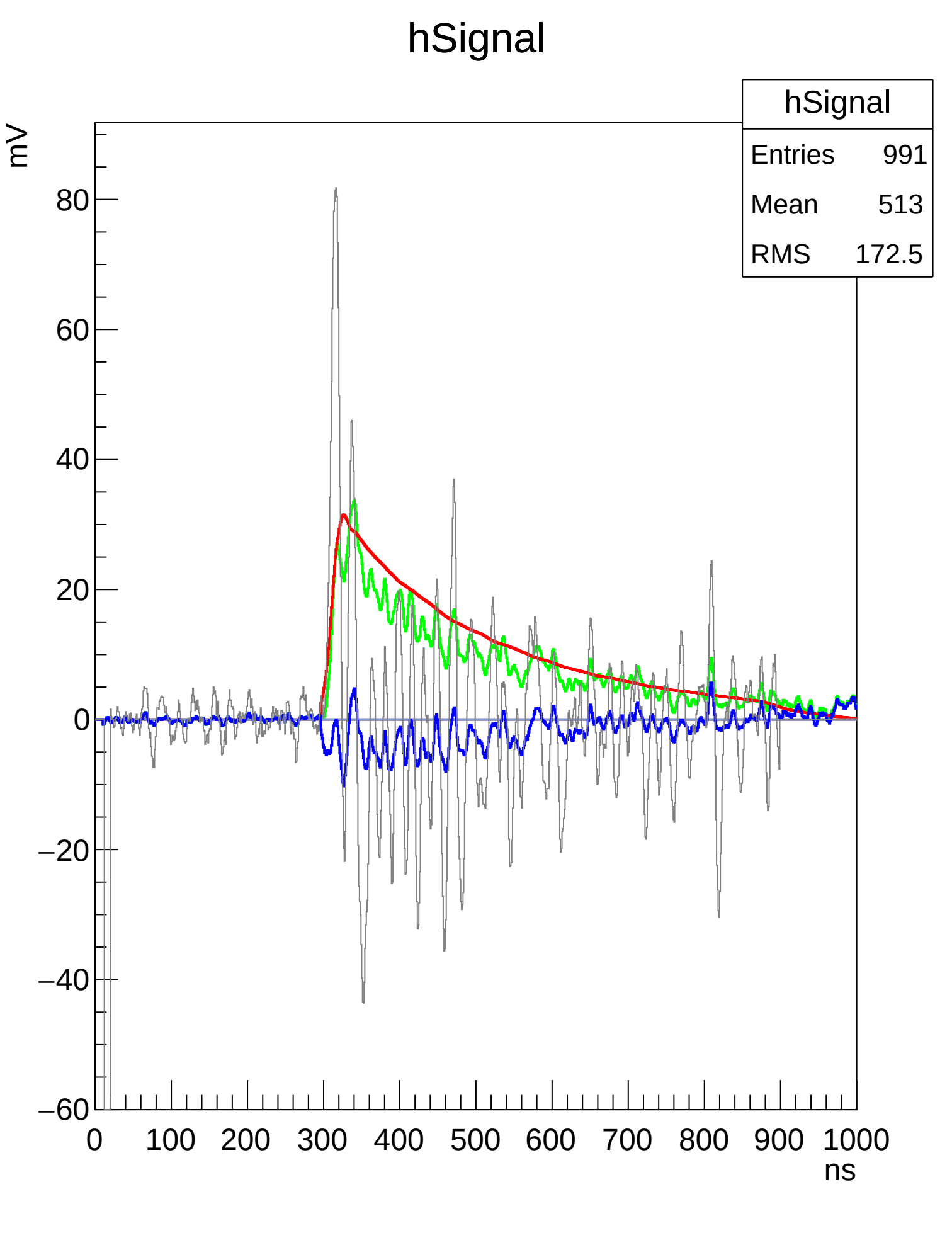
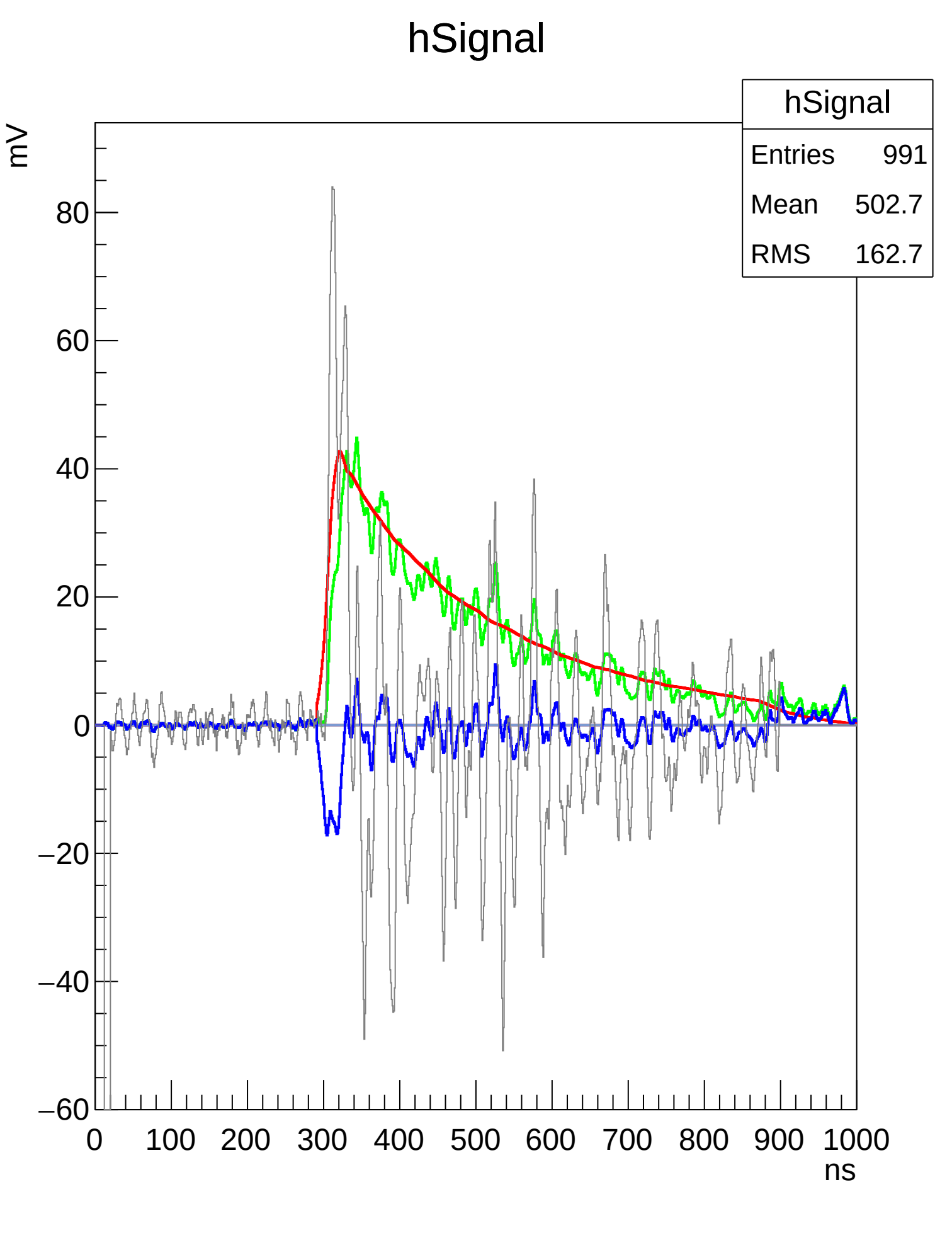
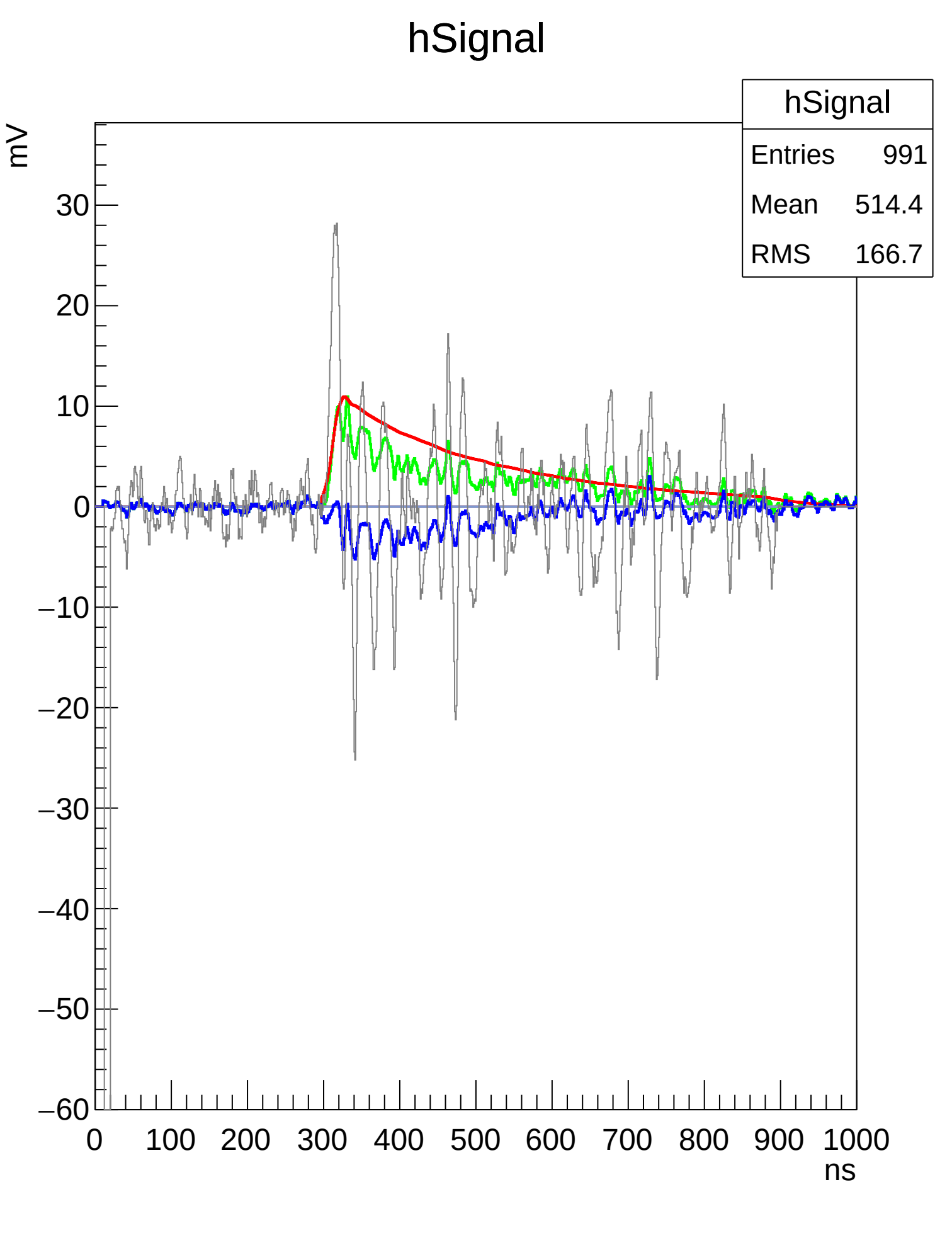
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513
RMS 172.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.7
RMS 162.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.4
RMS 166.7
mV
30
20
10
0
−10
−20
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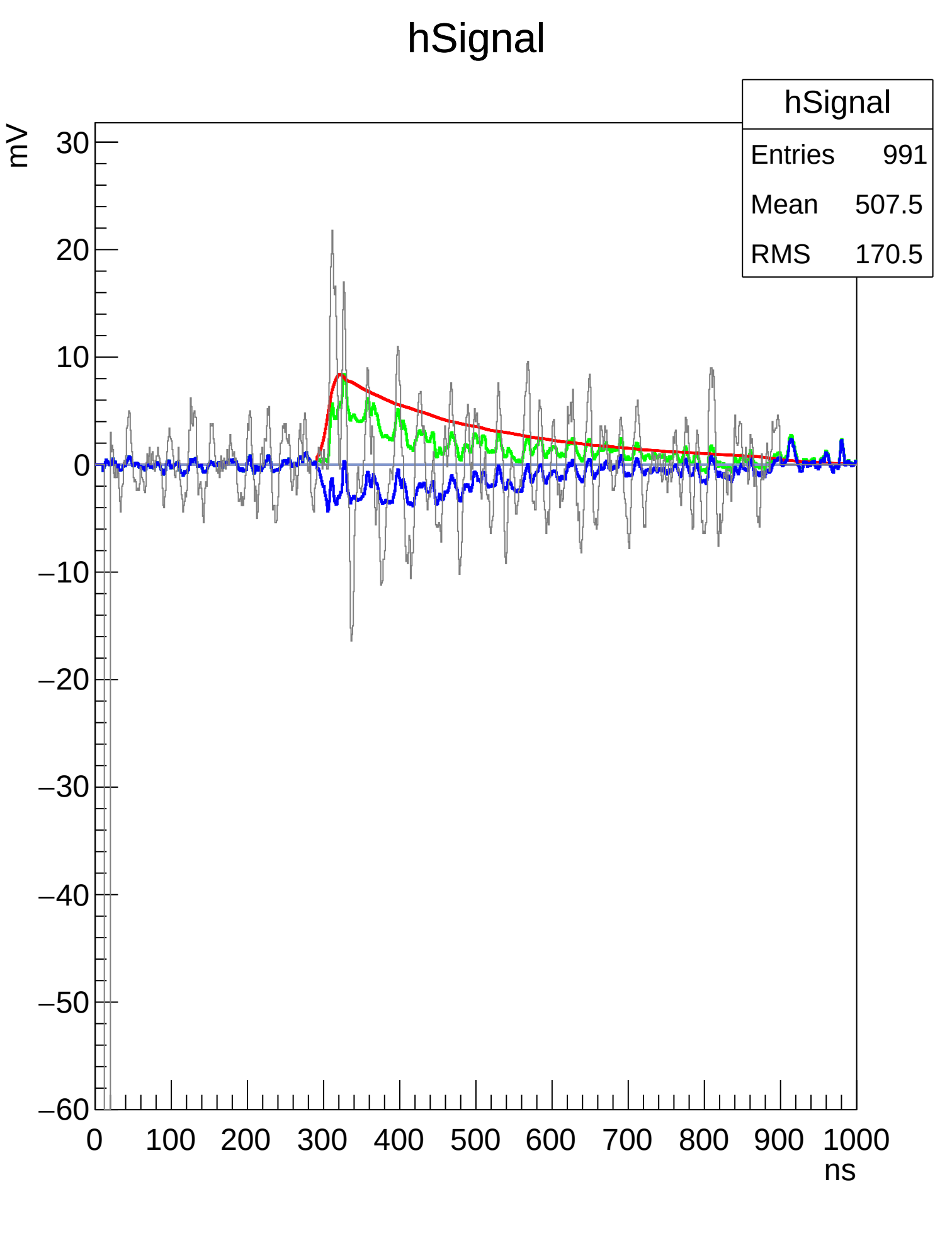
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.5
RMS 170.5
mV
30
20
10
0
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−20
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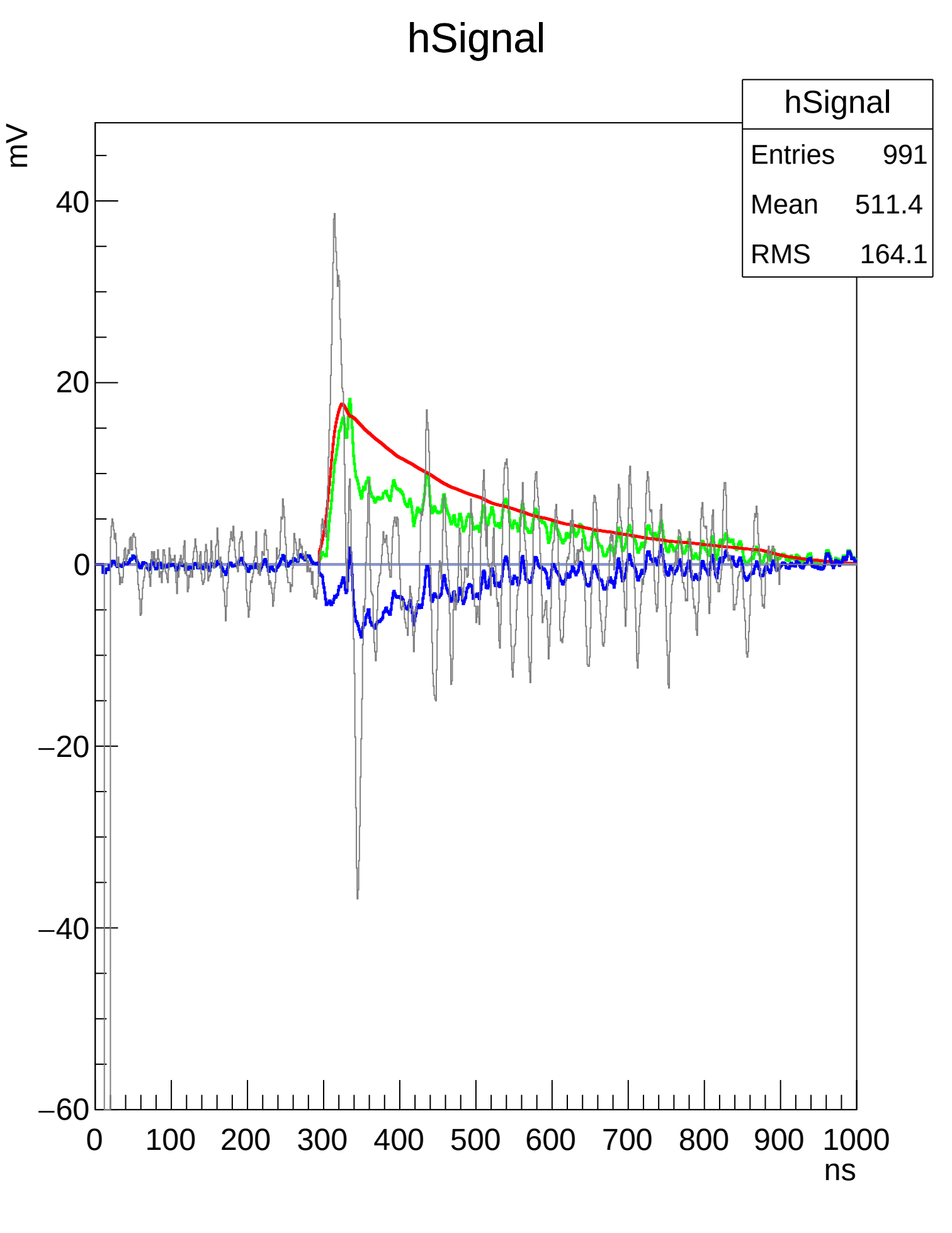
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.4
RMS 164.1
mV
40
20
0
−20
−40
−60
0
100
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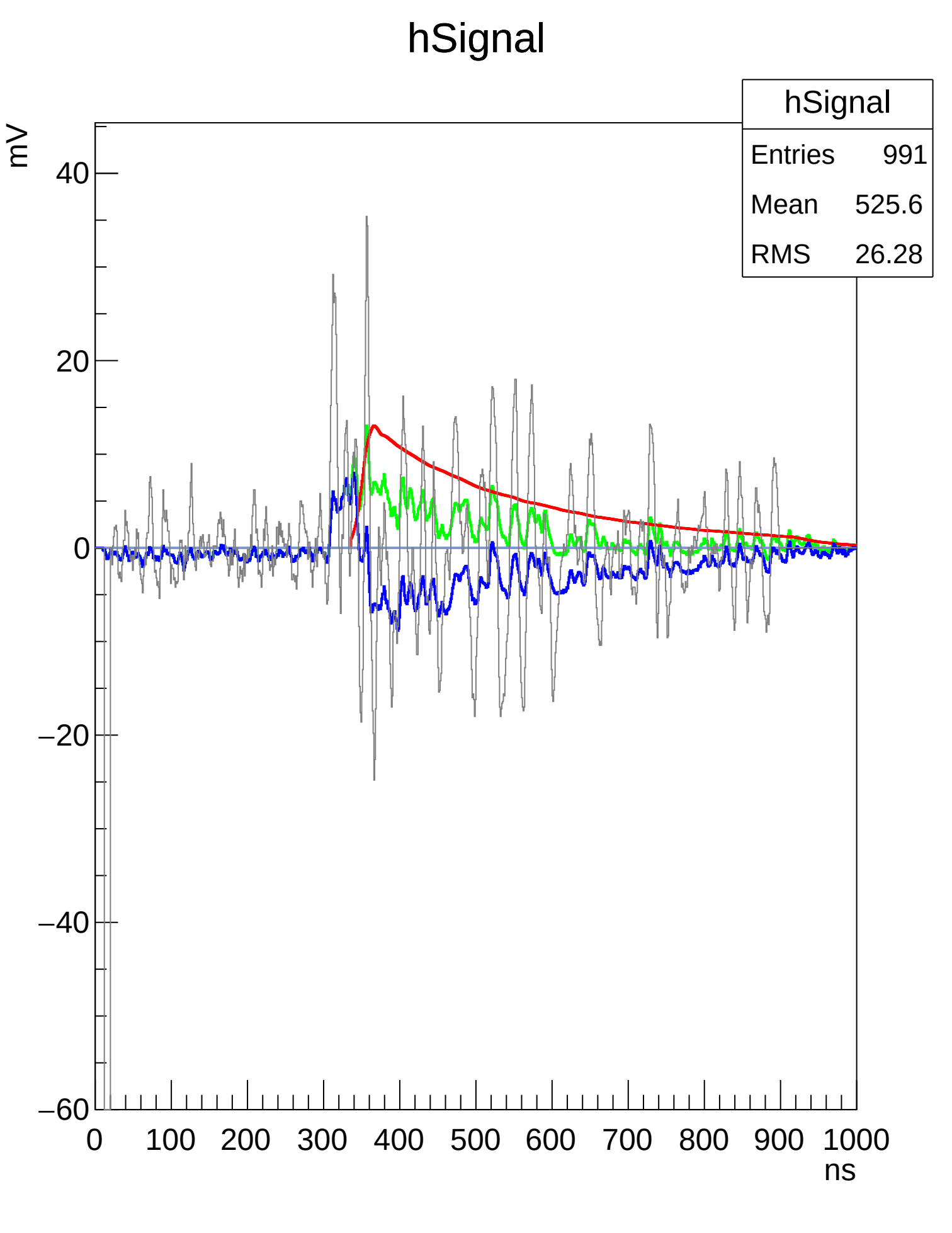
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.6
RMS 26.28
mV
40
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−20
−40
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0
100
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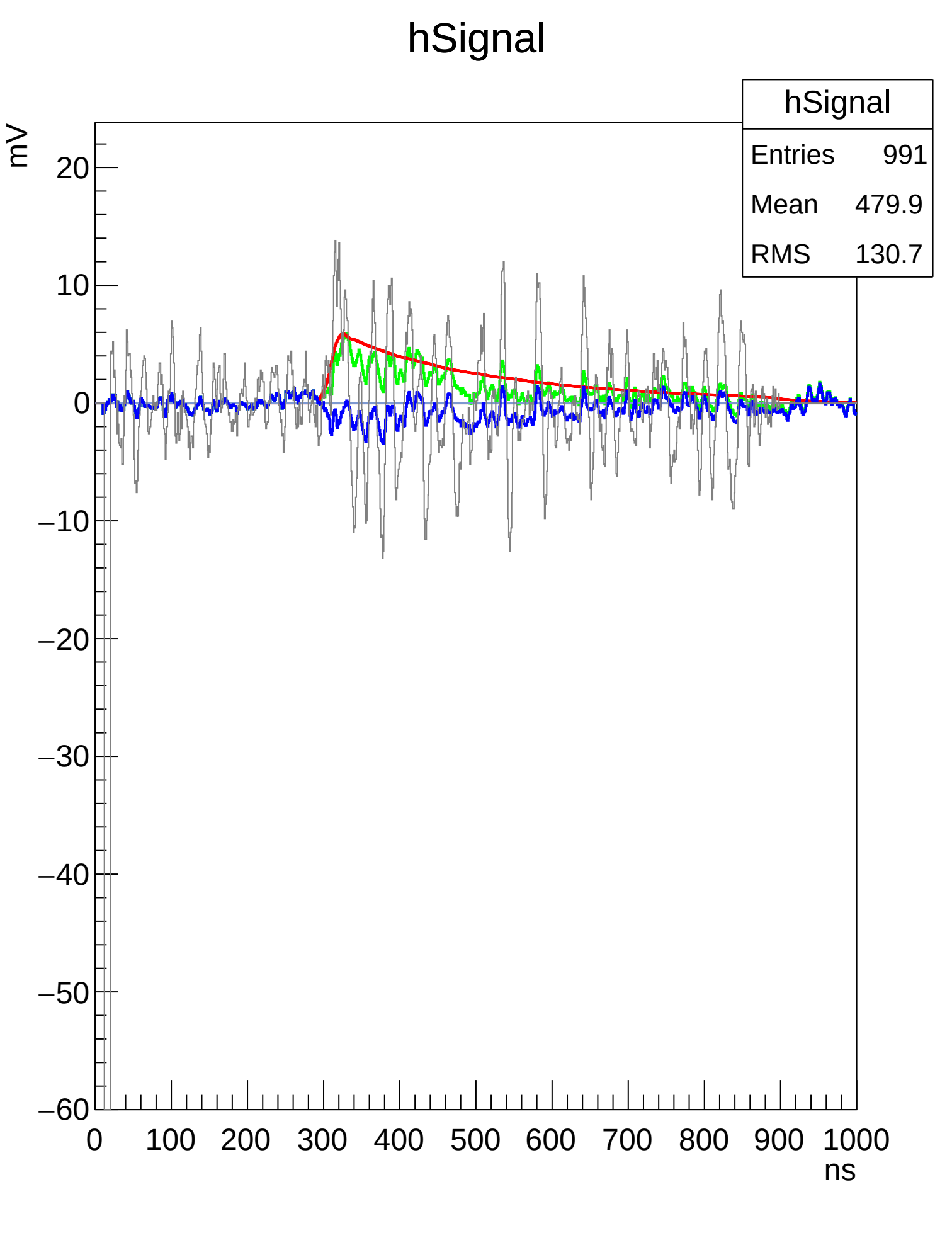
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.9
RMS 130.7
mV
20
10
0
−10
−20
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−40
−50
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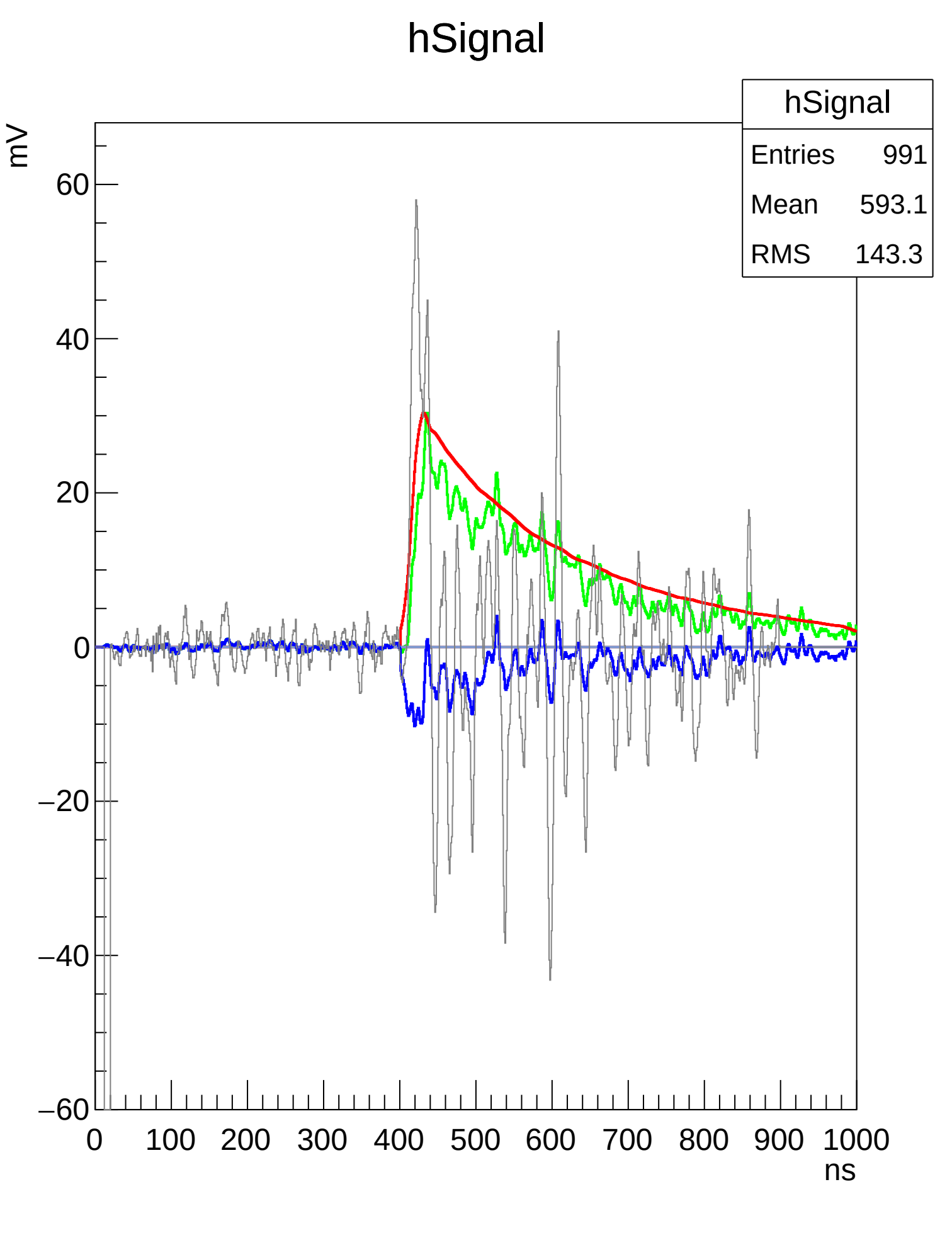
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.1
RMS 143.3
mV
60
40
20
0
−20
−40
−60
0
100
200
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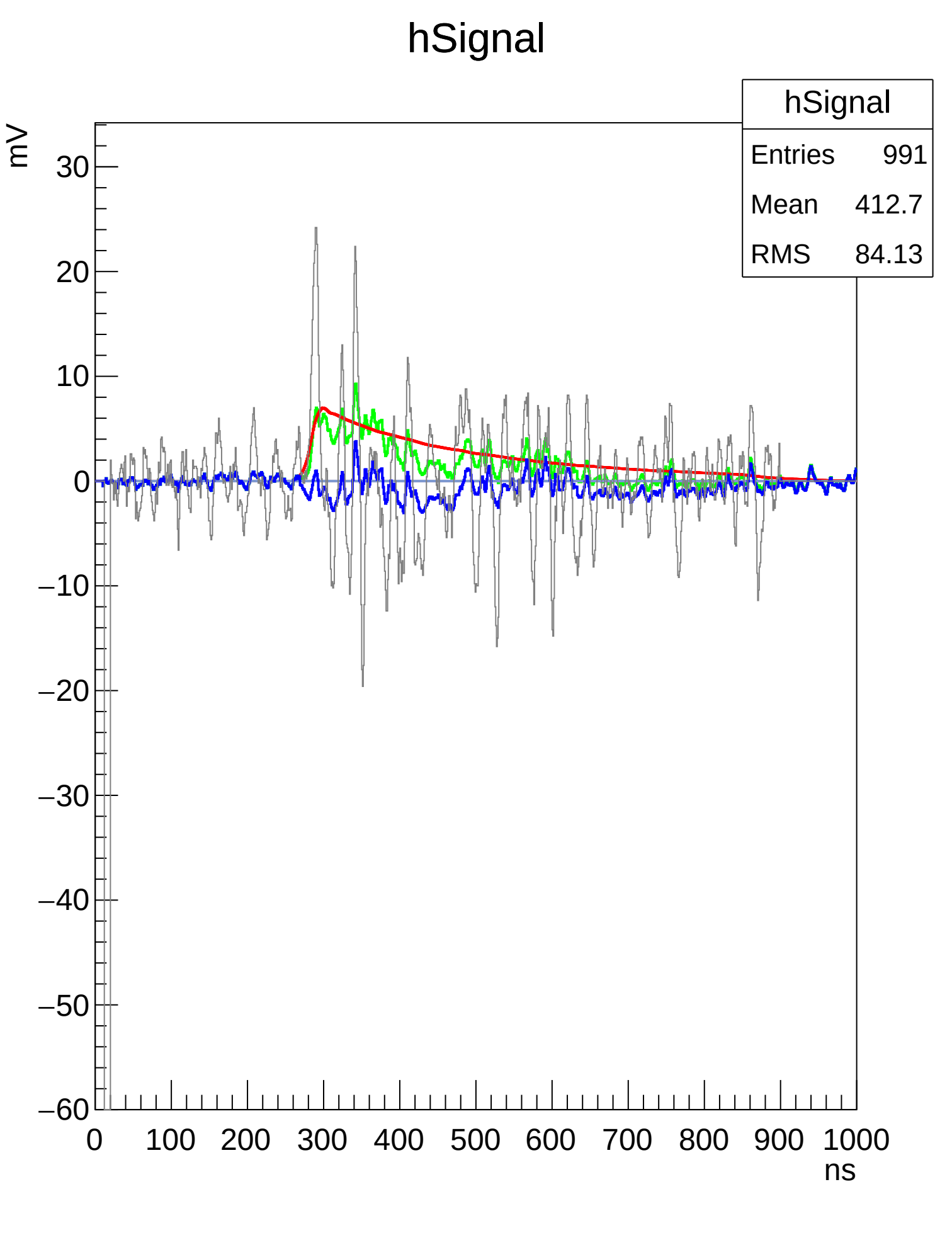
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 412.7
RMS 84.13
mV
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20
10
0
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−50
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0
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200
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400
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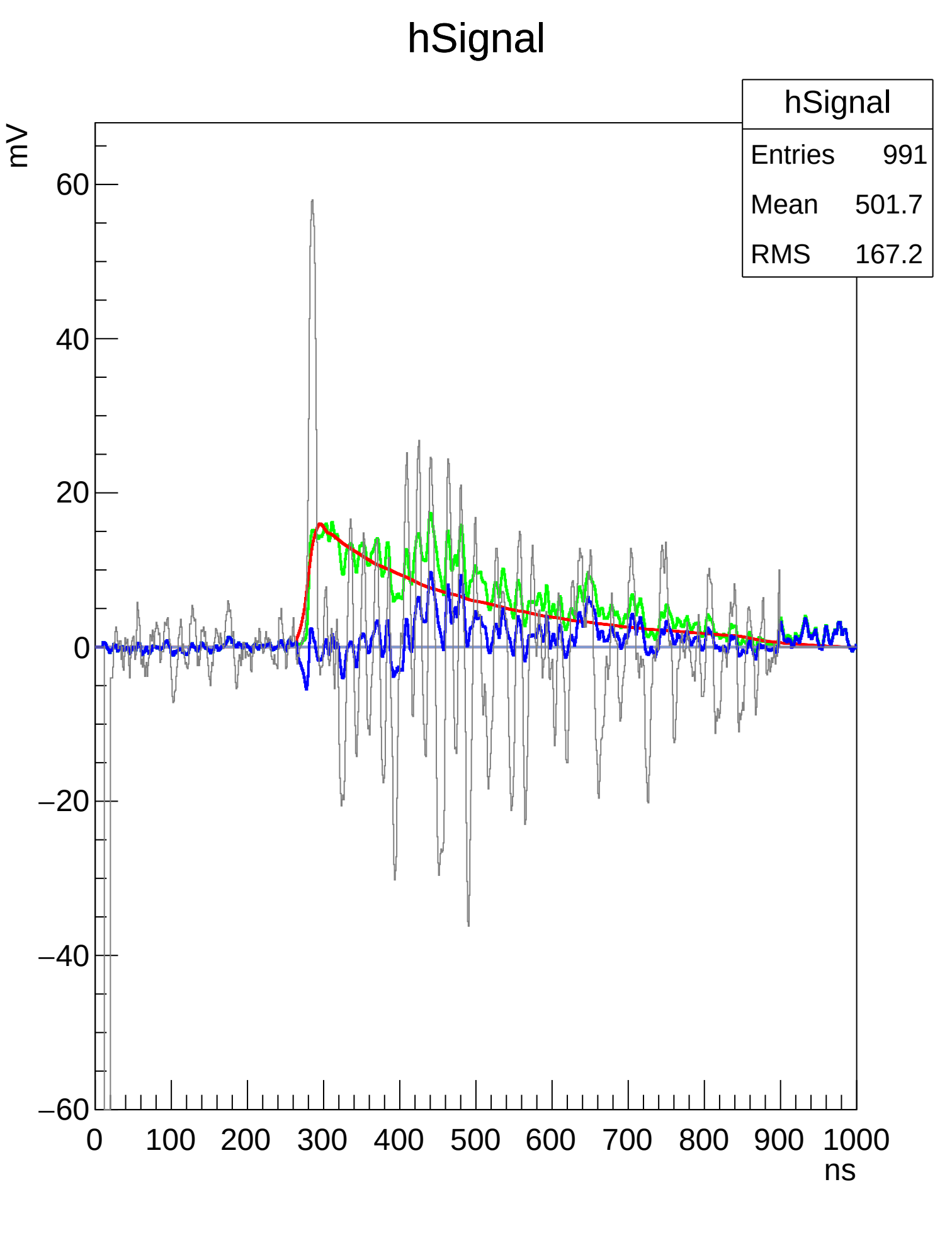
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.7
RMS 167.2
mV
60
40
20
0
−20
−40
−60
0
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200
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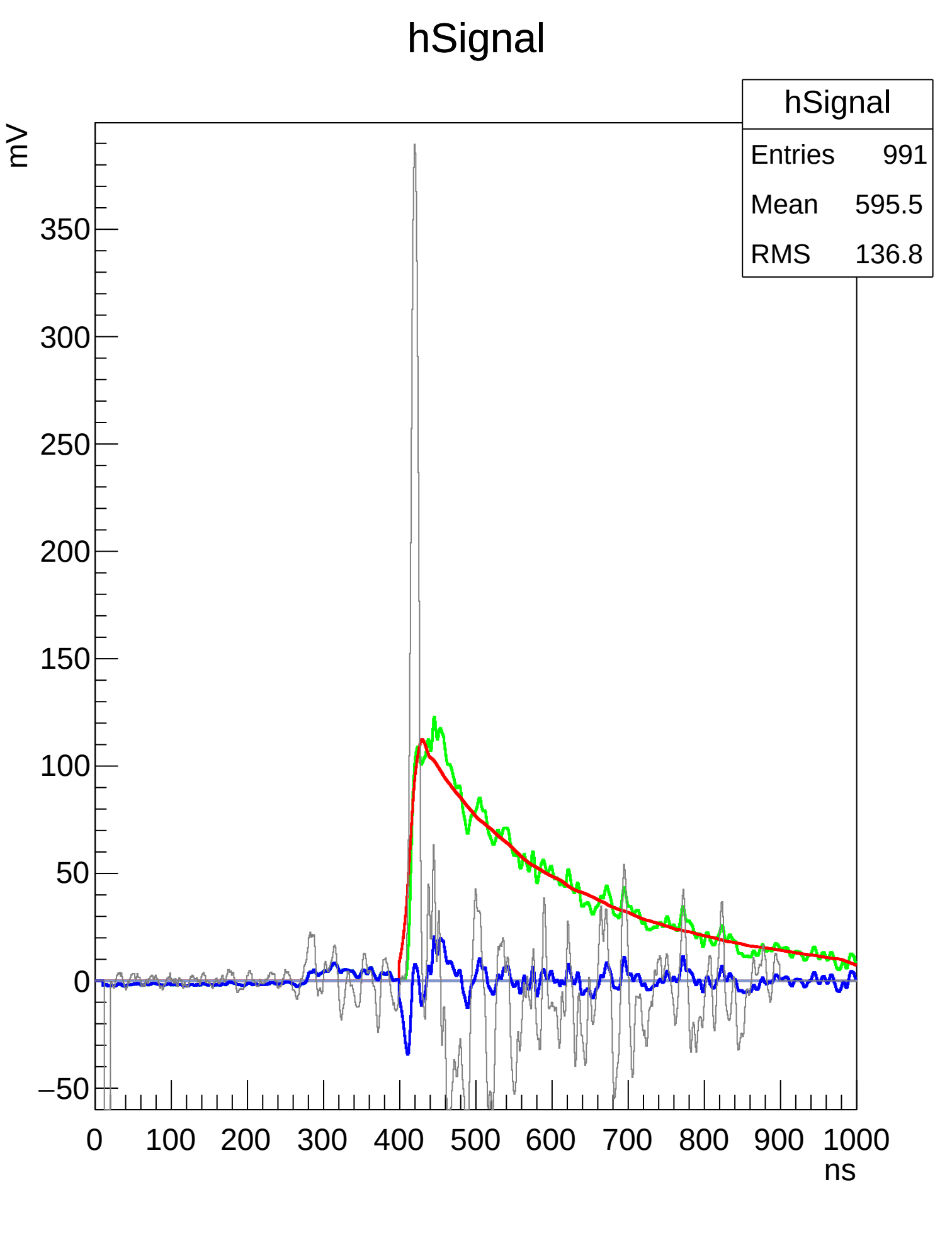
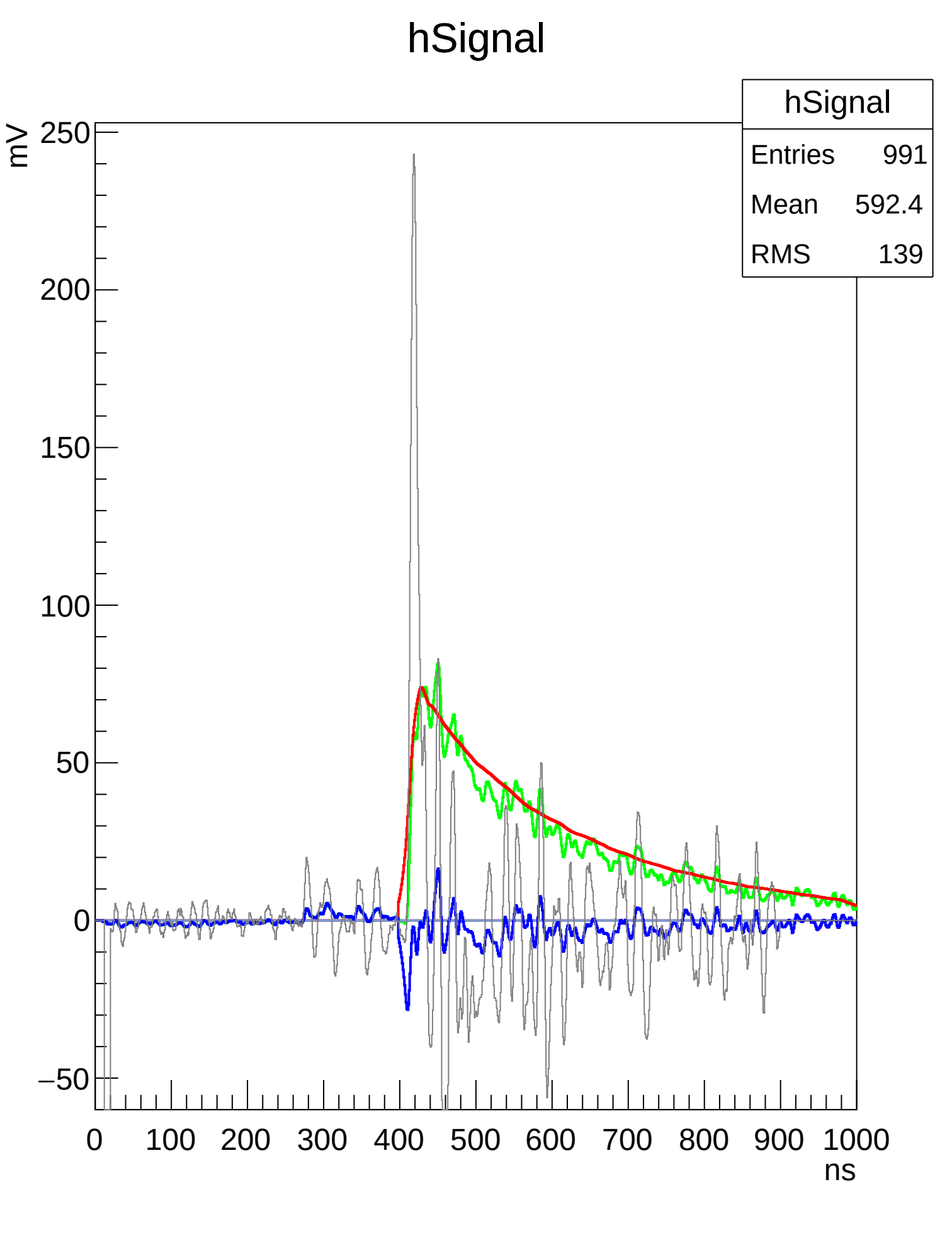
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.5
RMS 136.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.4
RMS 139
mV
250
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100
50
0
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0
100
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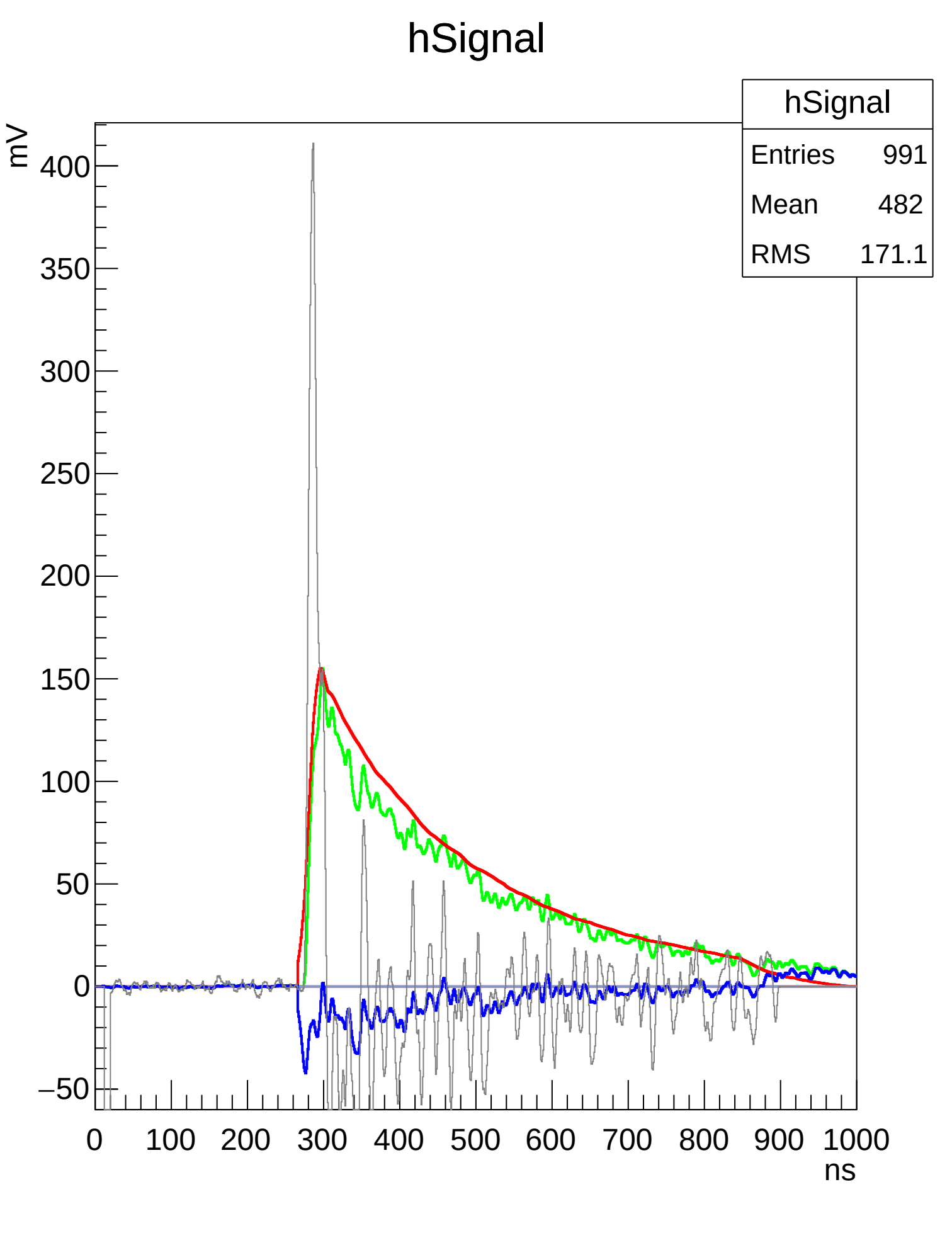
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 482
RMS 171.1
mV
400
350
300
250
200
150
100
50
0
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0
100
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400
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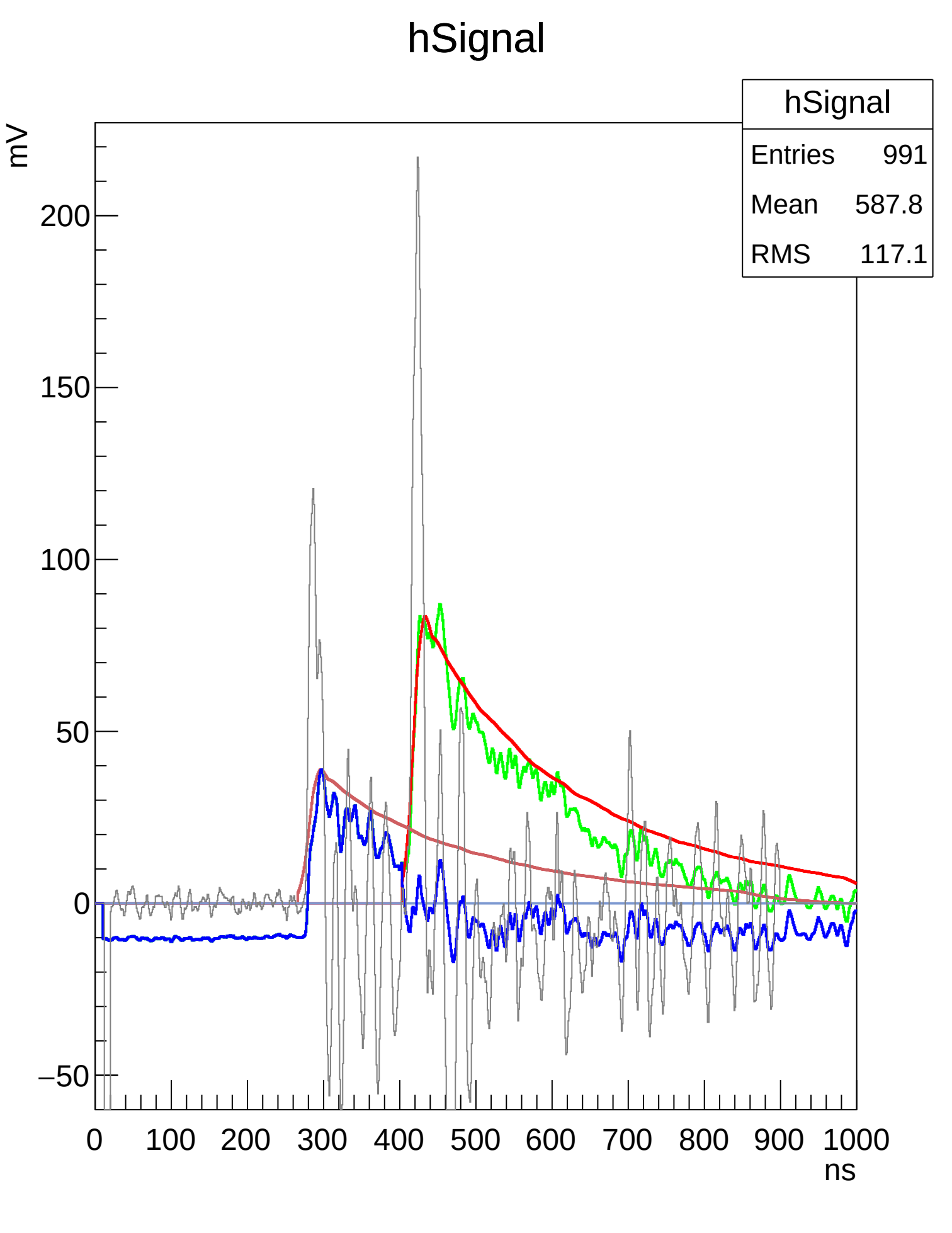
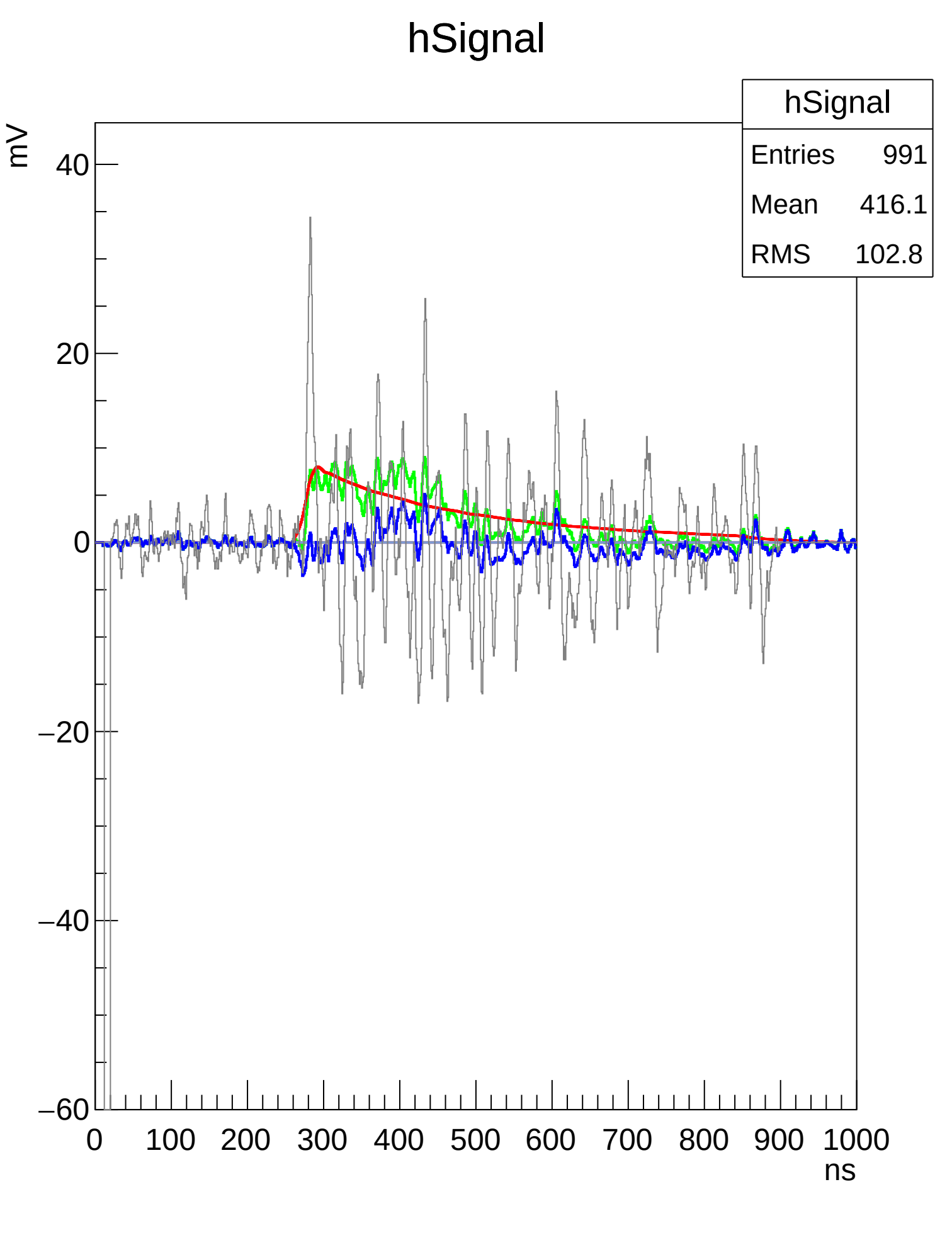
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 117.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 416.1
RMS 102.8
mV
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−20
−40
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0
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400
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800
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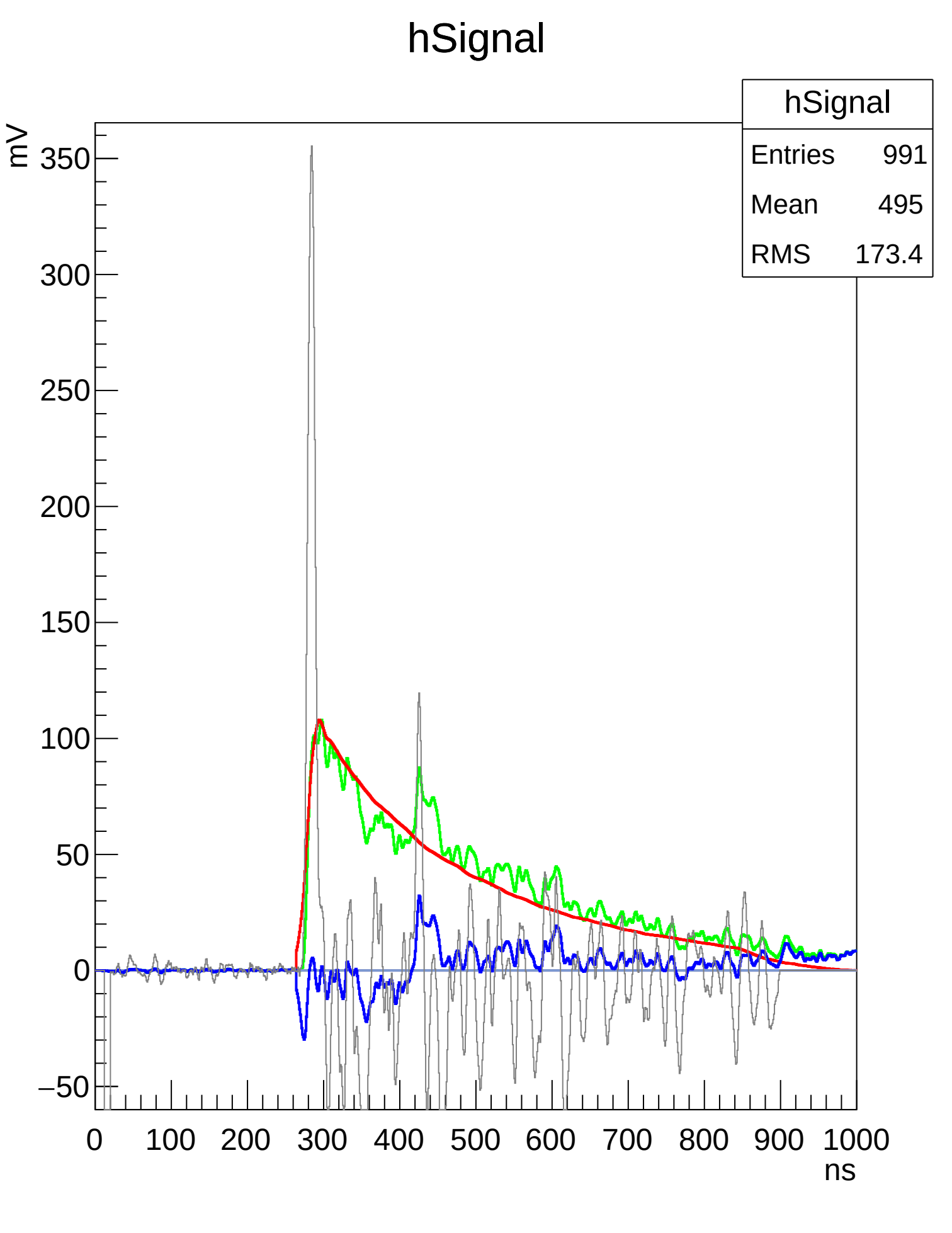
1000
ns


hSignal
hSignal
Entries 991
Mean 495
RMS 173.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
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400
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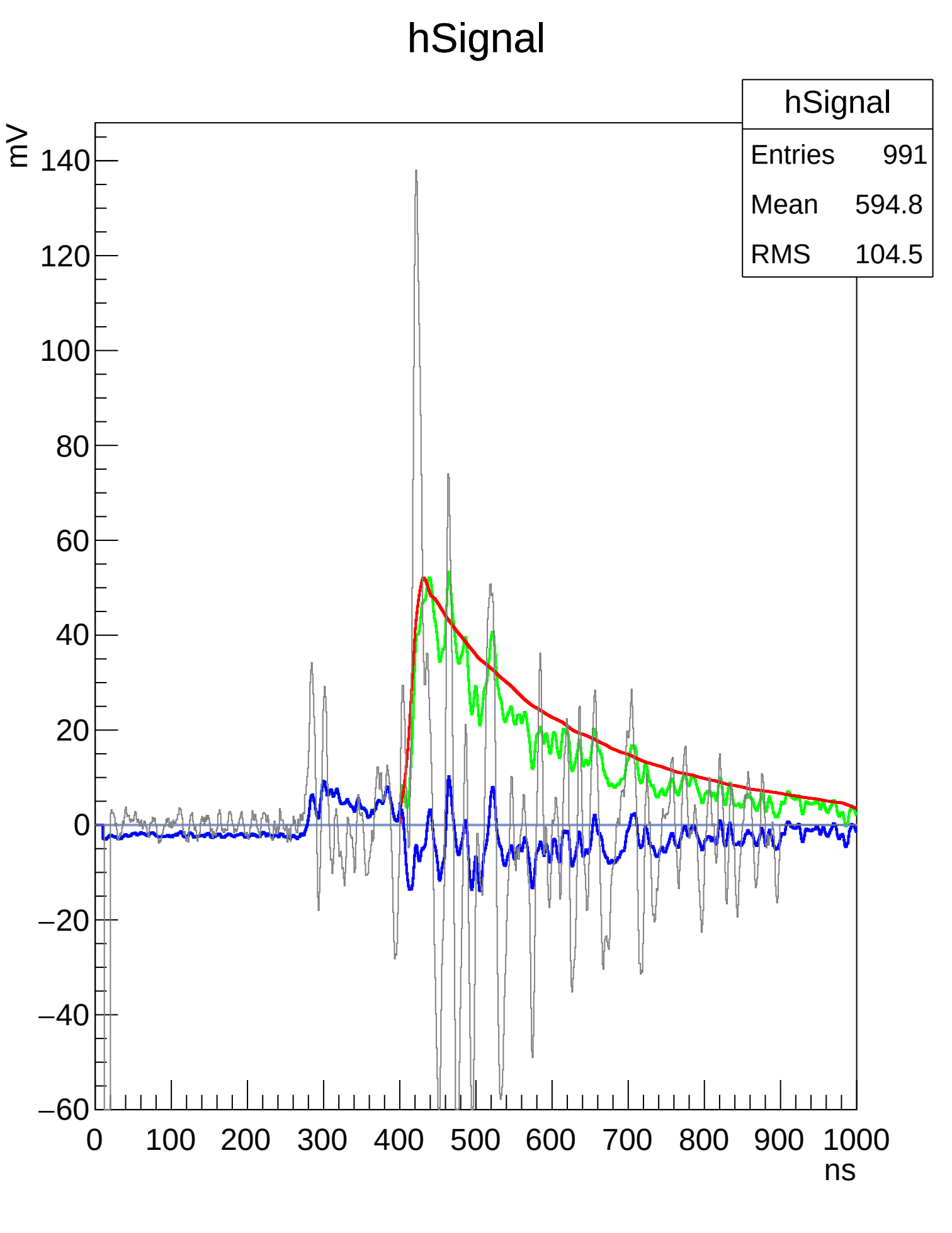
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.8
RMS 104.5
mV
140
120
100
80
60
40
20
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−20
−40
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0
100
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400
500
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800
900
1000
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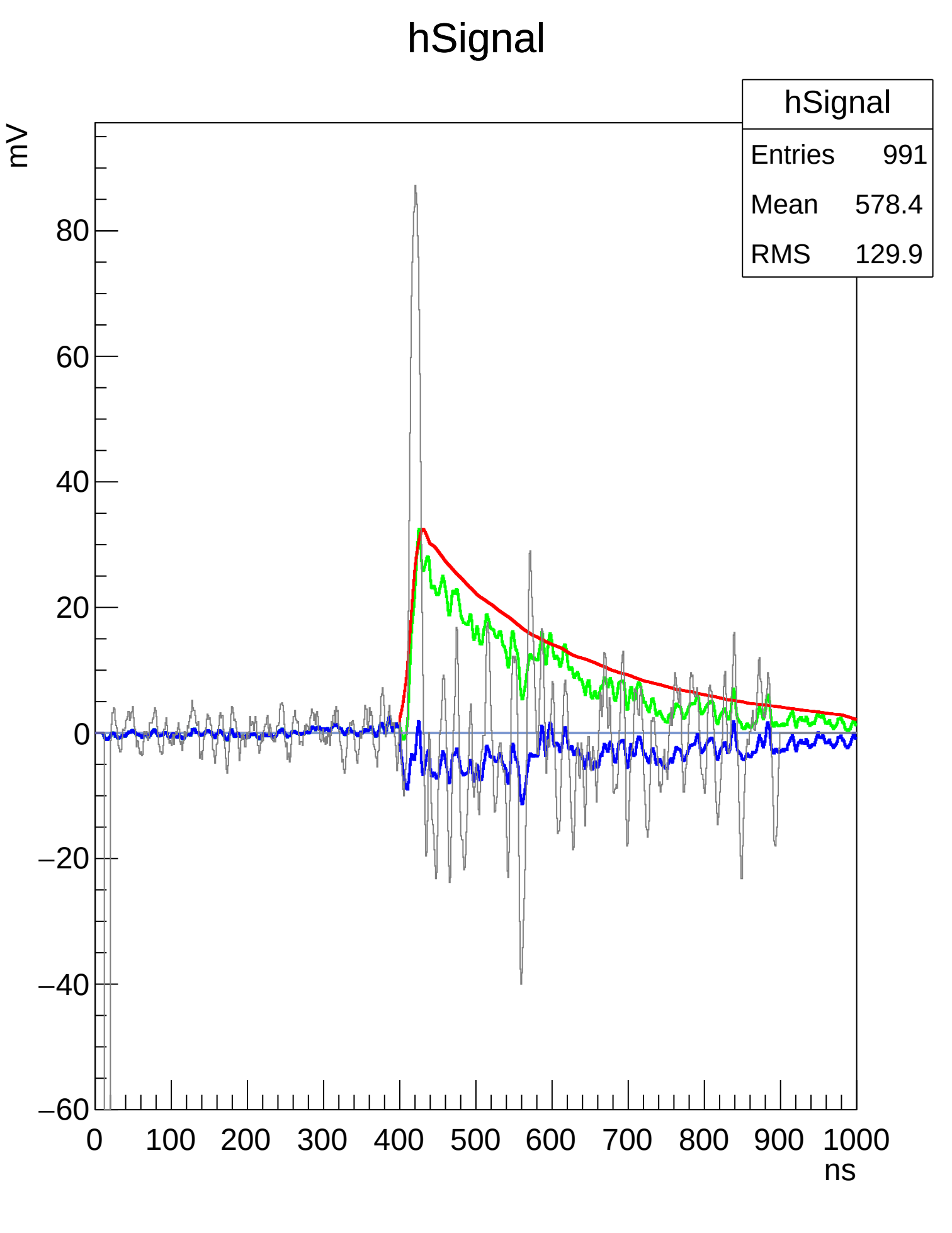
hSignal
hSignal
Entries 991
Mean 578.4
RMS 129.9
mV
80
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−20
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400
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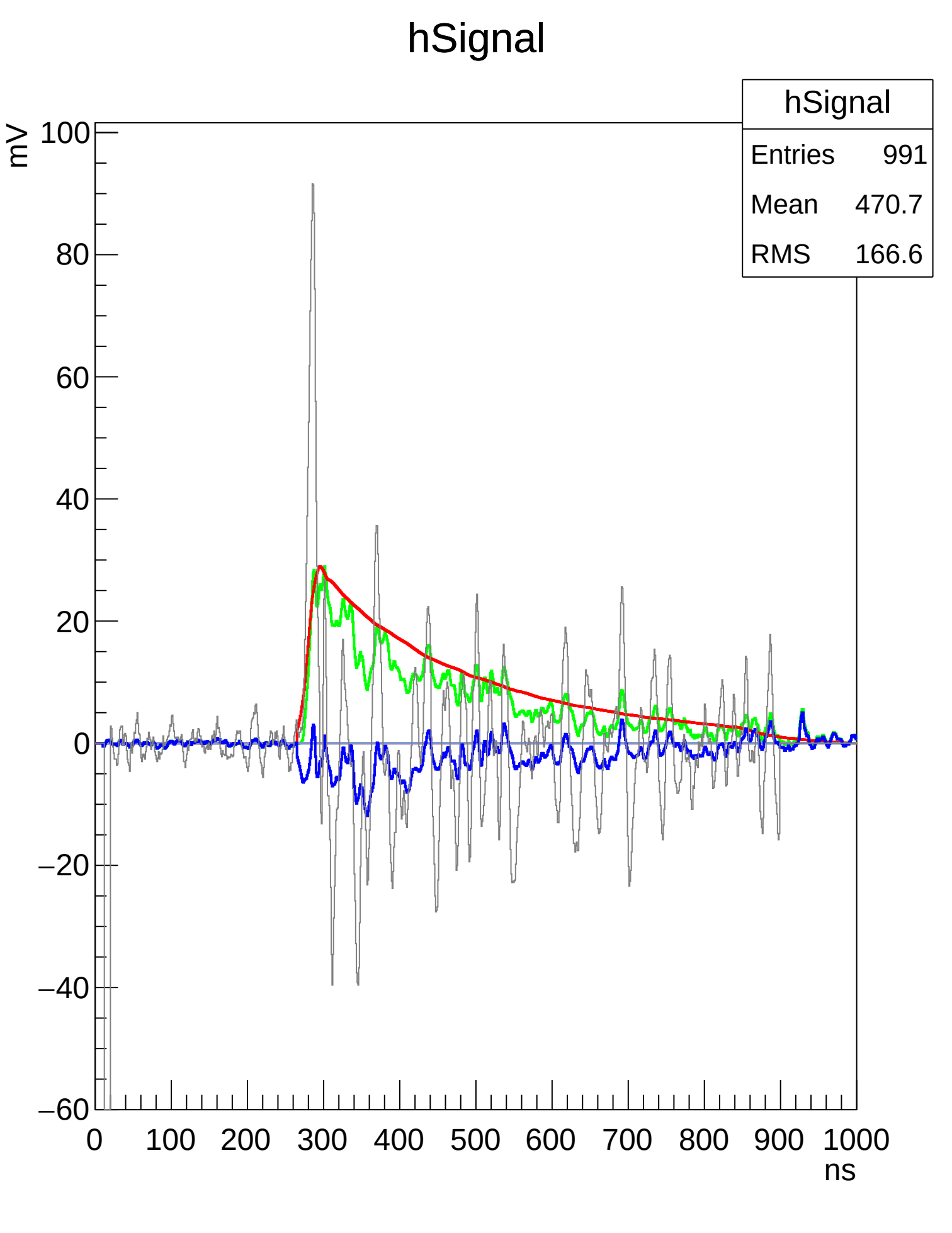
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470.7
RMS 166.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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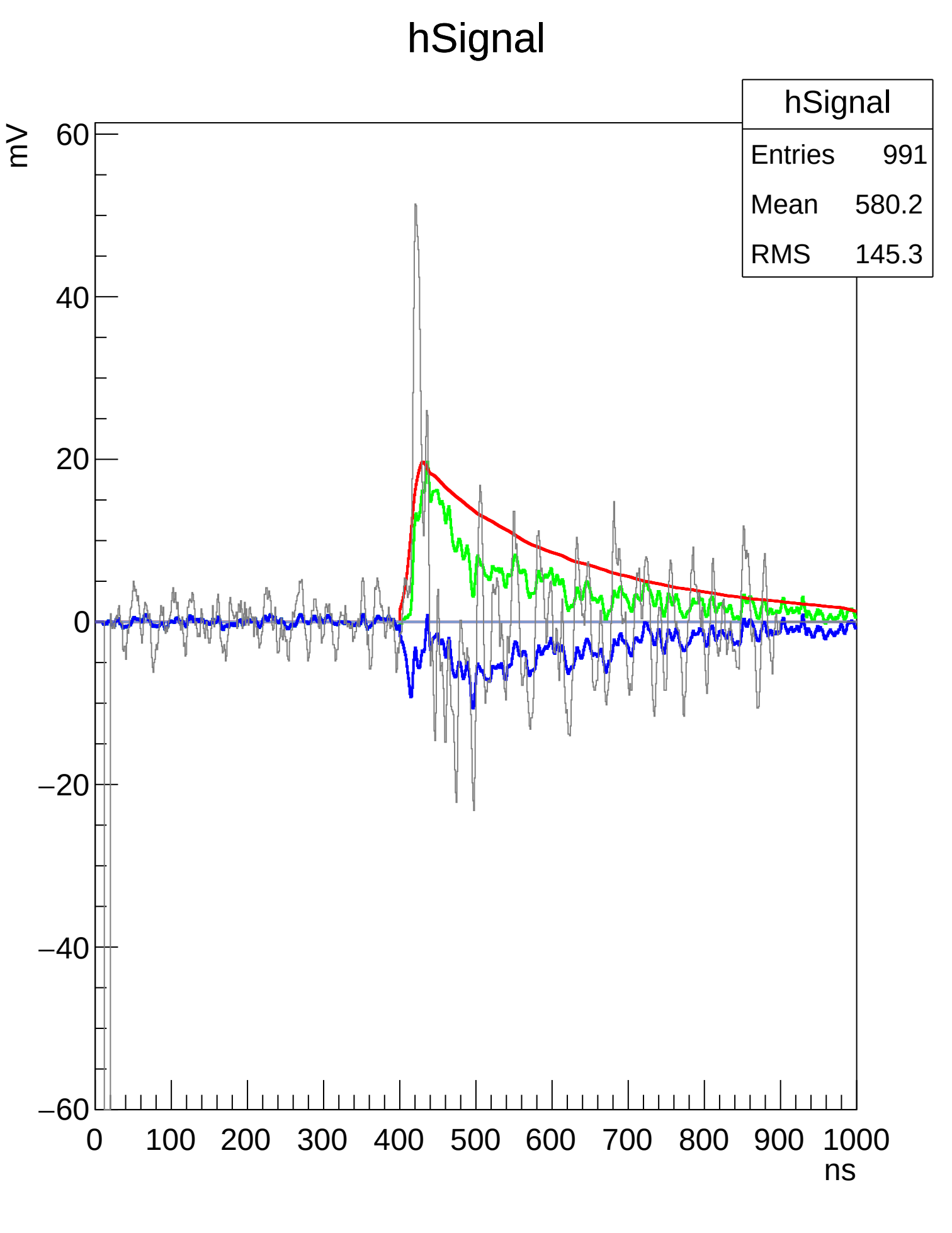
1000
ns


hSignal
hSignal
Entries 991
Mean 580.2
RMS 145.3
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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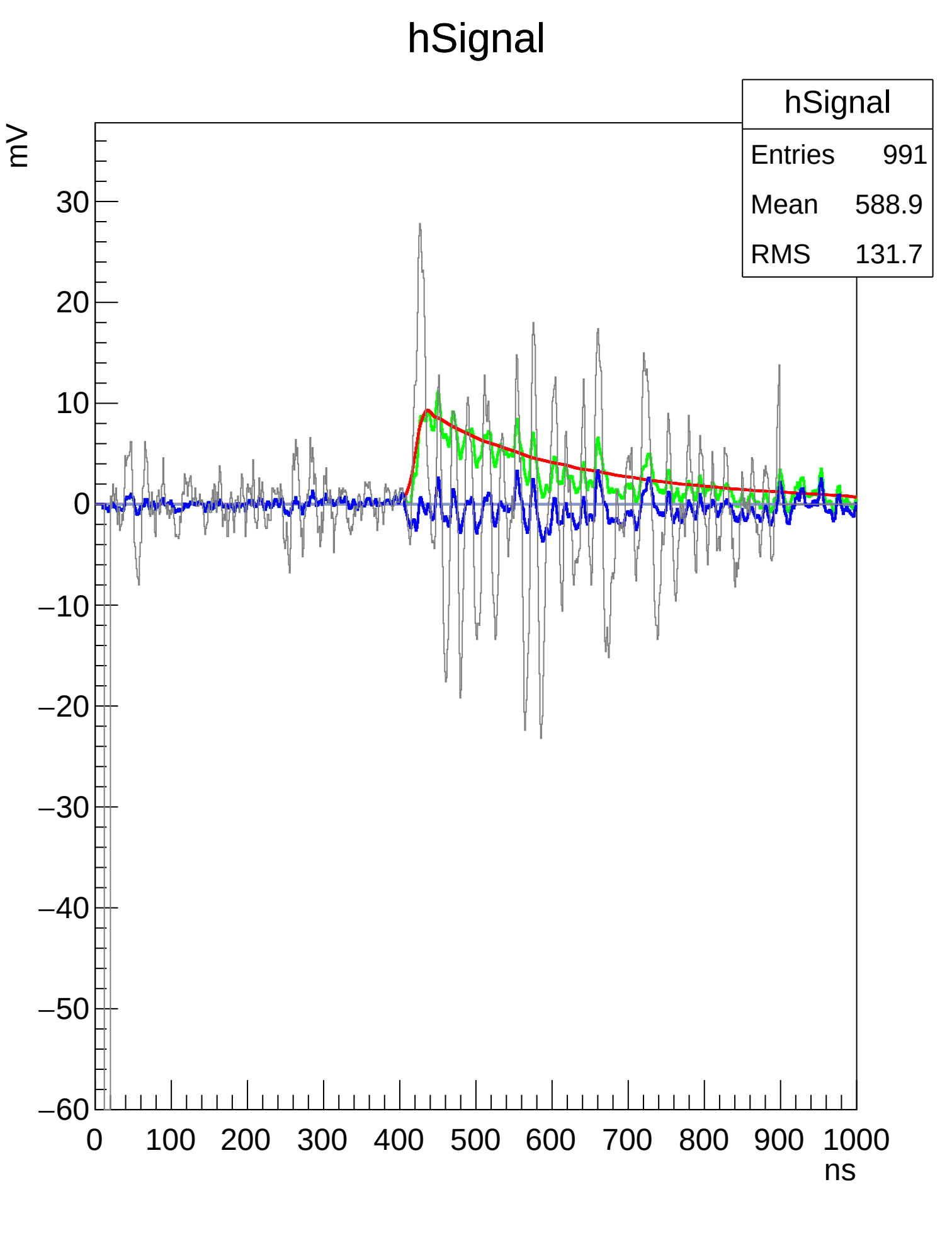
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.9
RMS 131.7
mV
30
20
10
0
−10
−20
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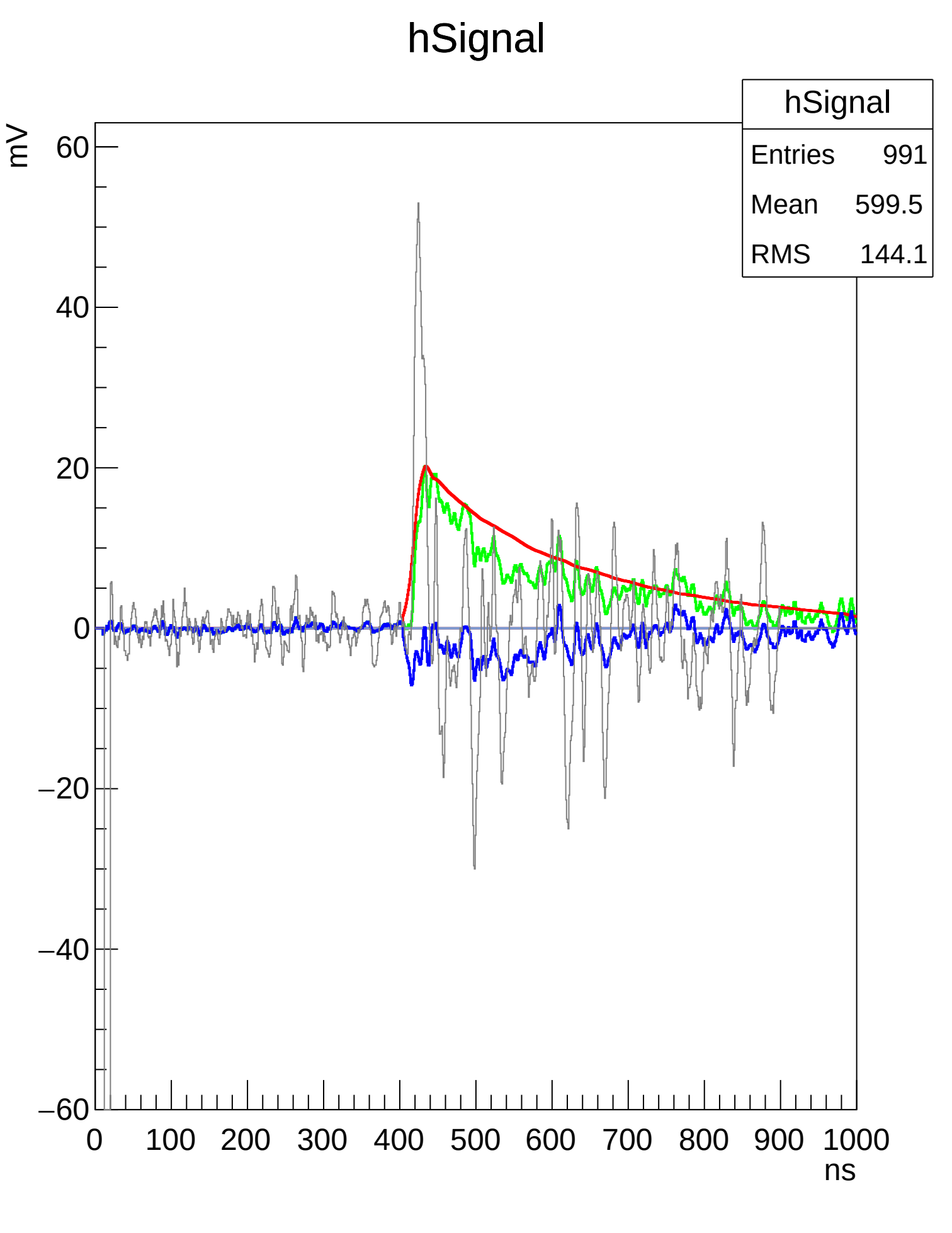
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.5
RMS 144.1
mV
60
40
20
0
−20
−40
−60
0
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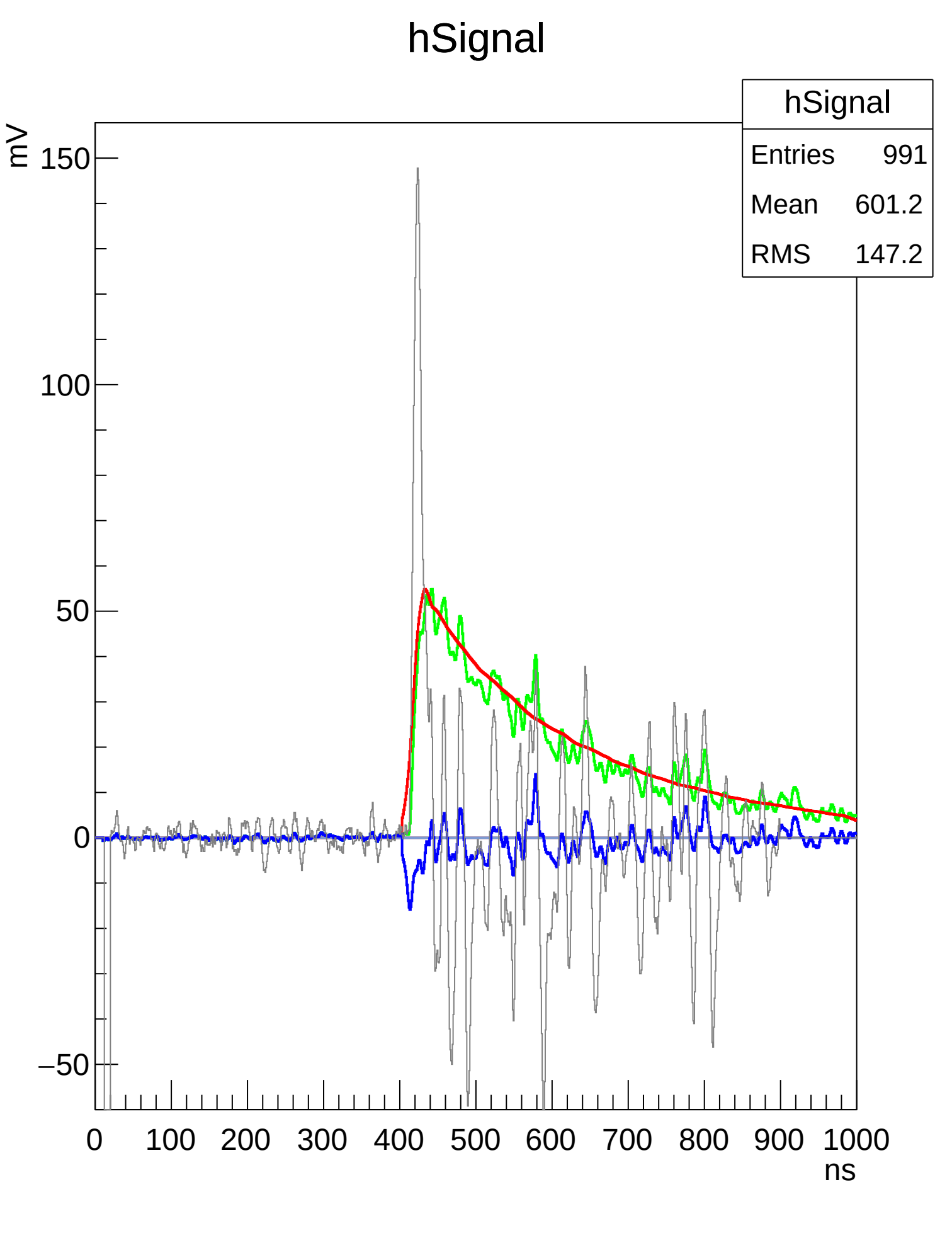
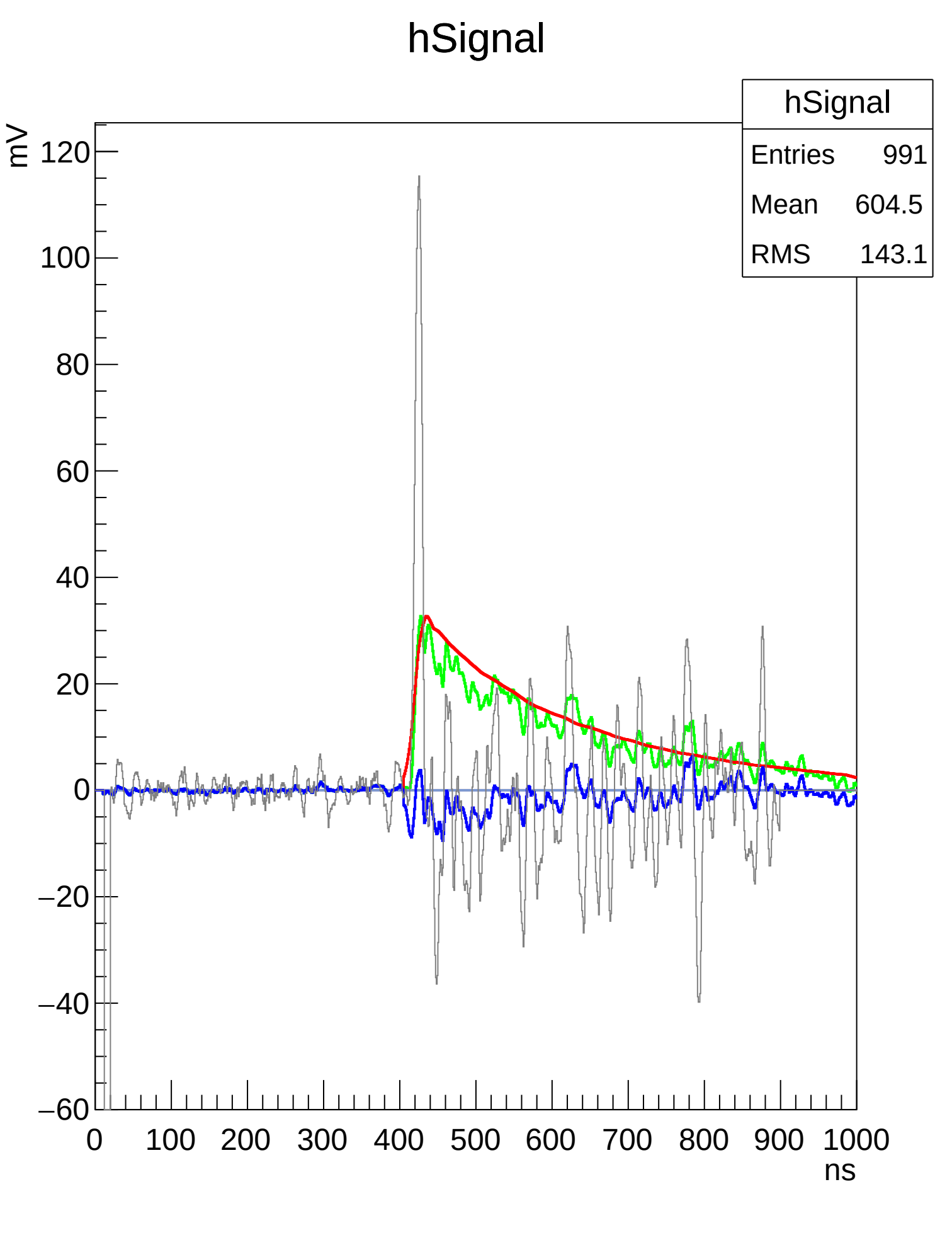
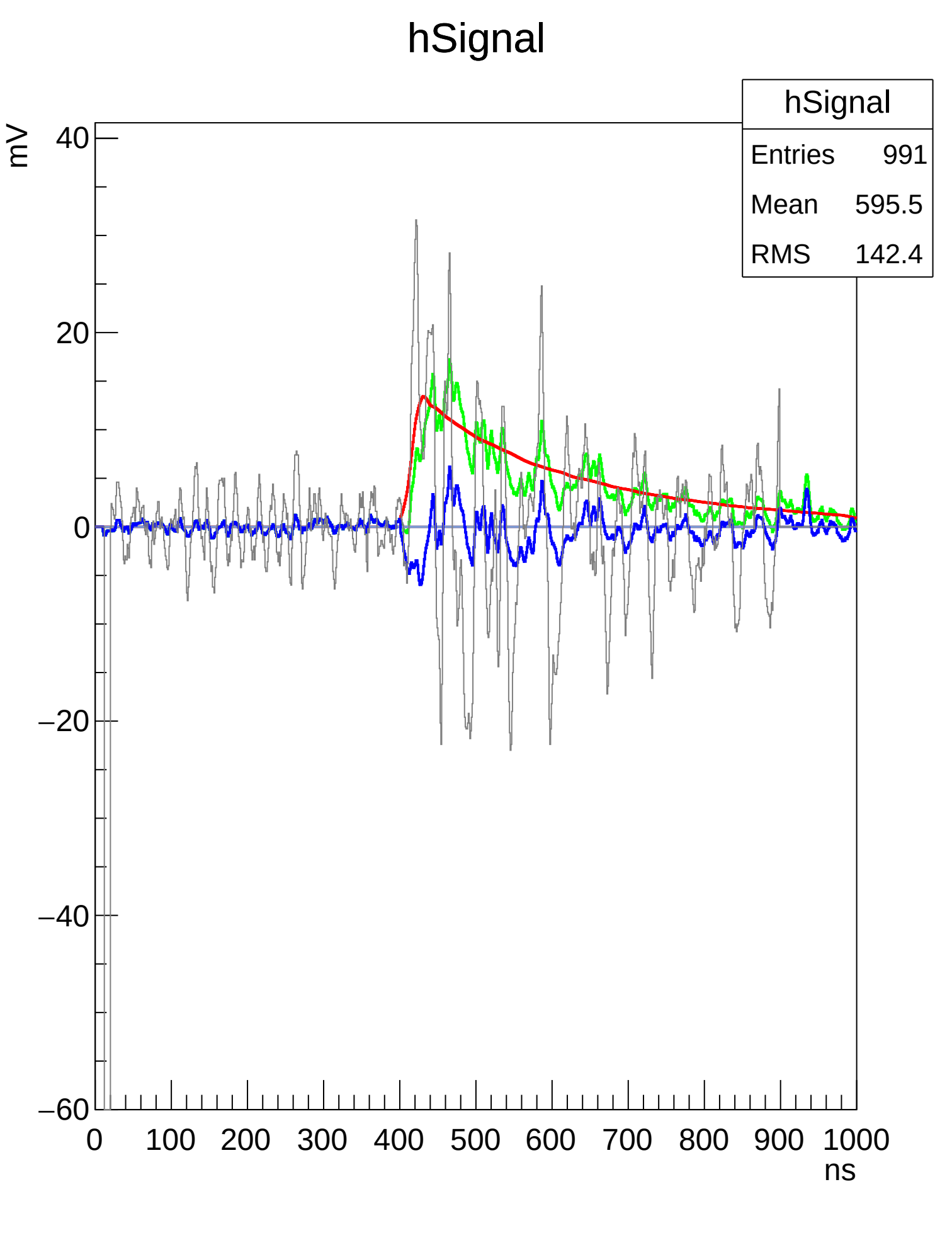
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 147.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.5
RMS 143.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.5
RMS 142.4
mV
40
20
0
−20
−40
−60
0
100
200
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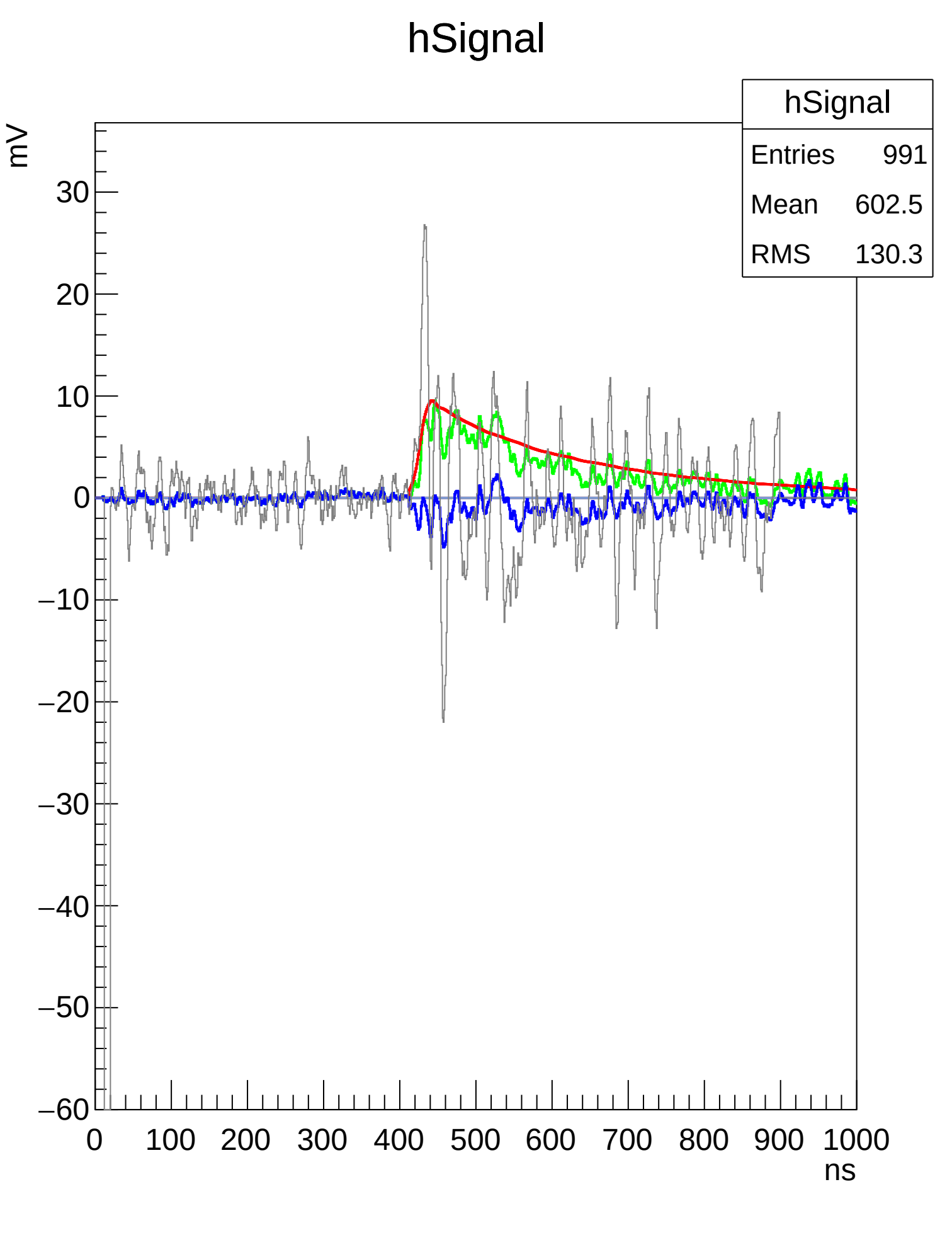
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 130.3
mV
30
20
10
0
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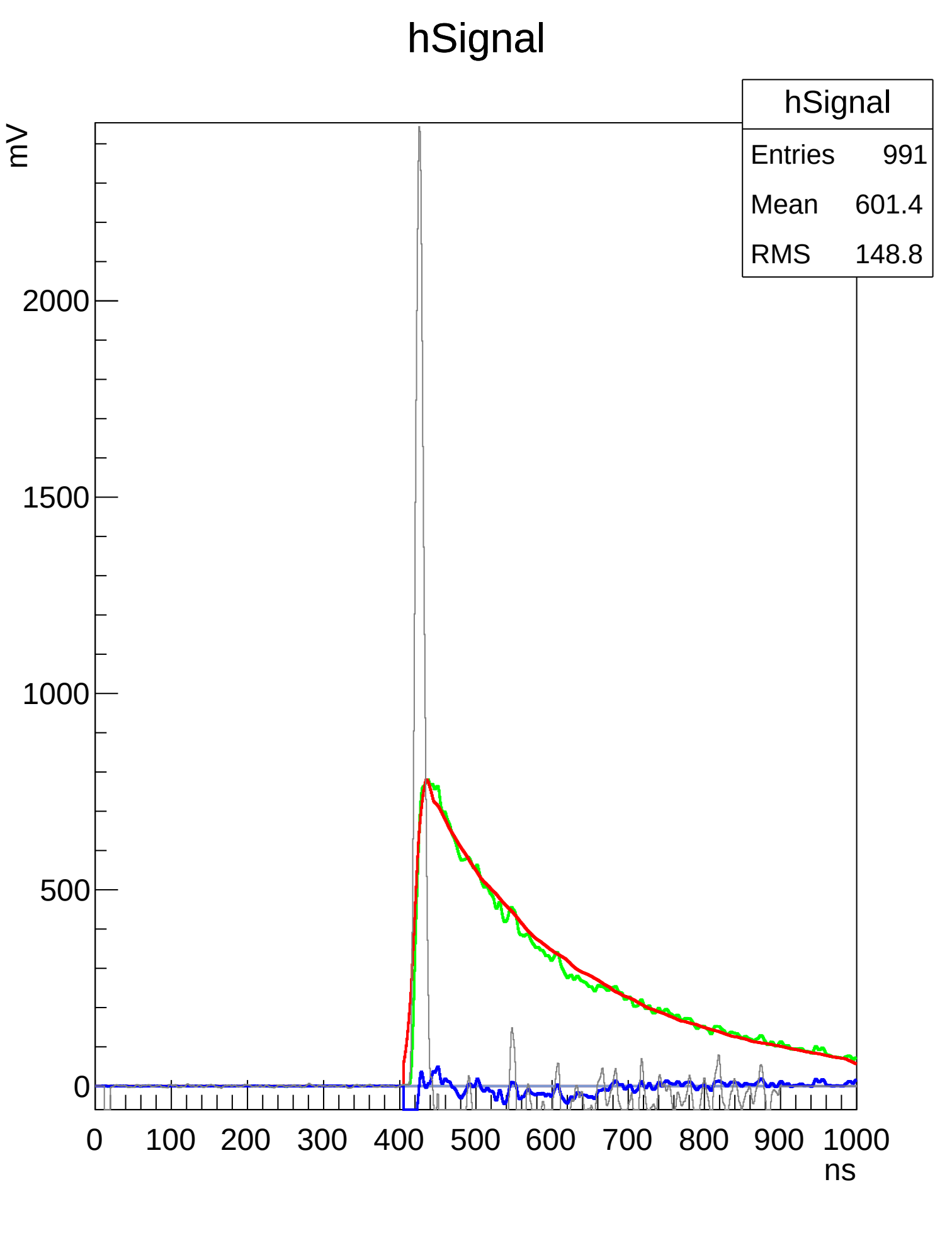
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 148.8
mV
2000
1500
1000
500
0
0
100
200
300
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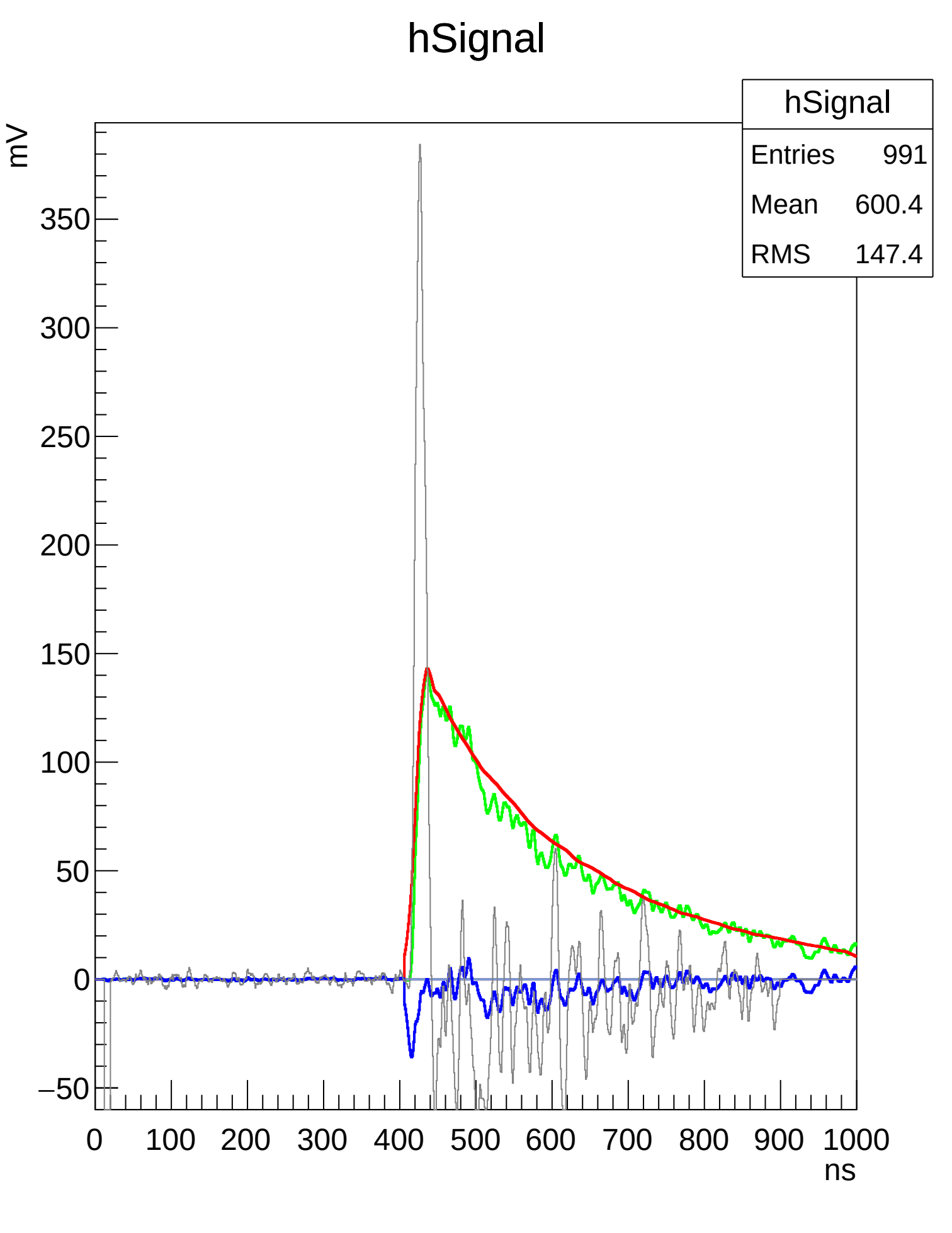
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.4
RMS 147.4
mV
350
300
250
200
150
100
50
0
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0
100
200
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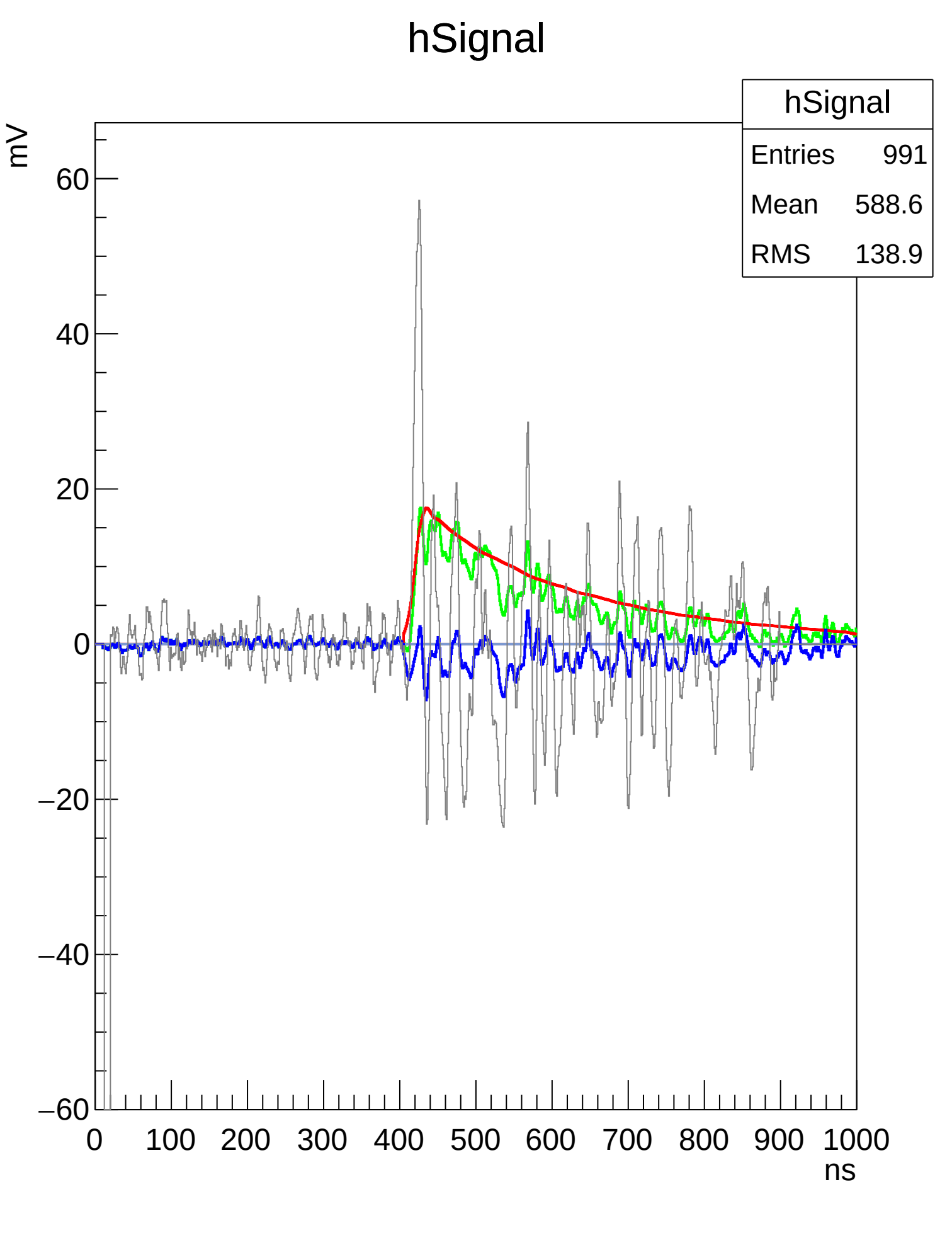
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.6
RMS 138.9
mV
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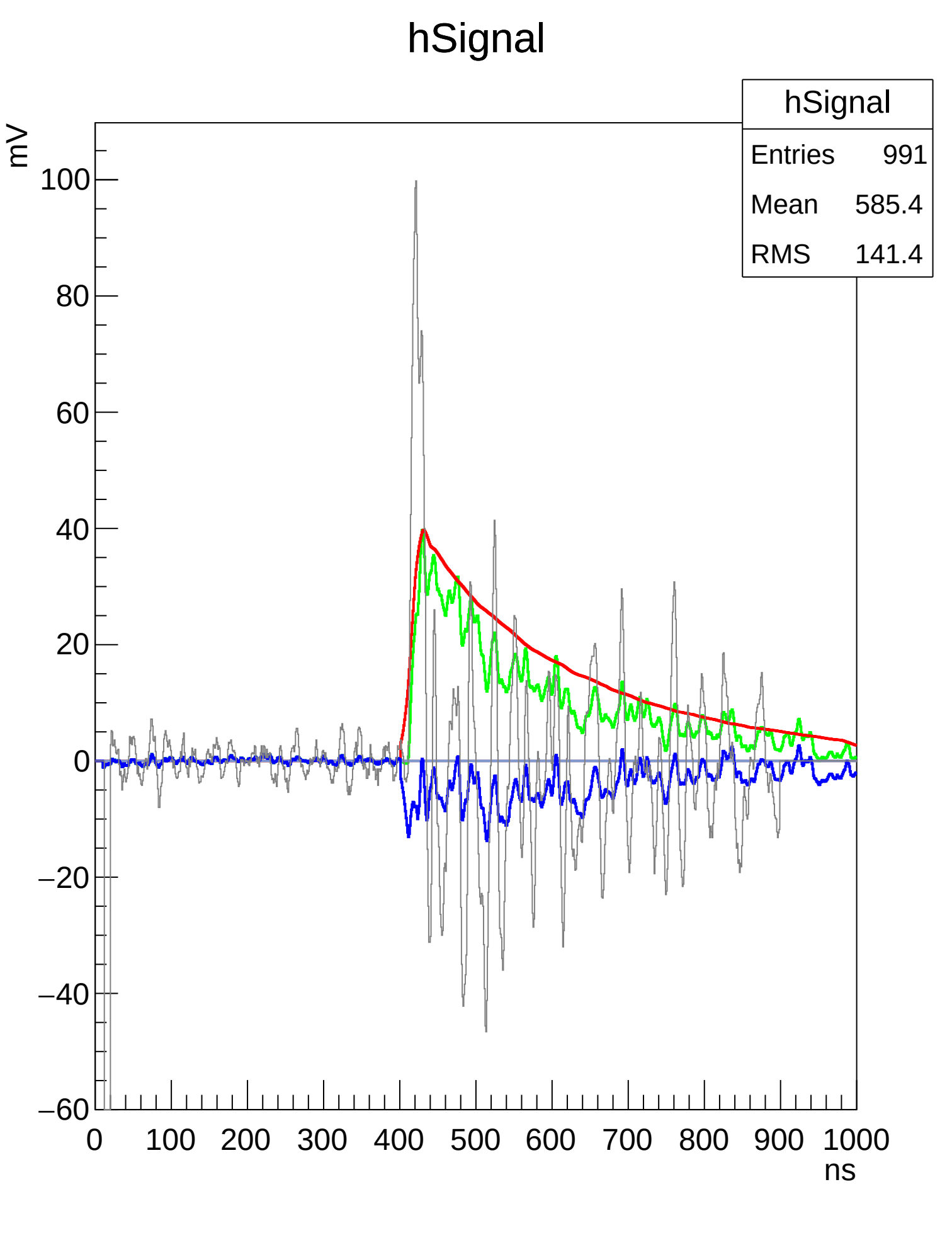
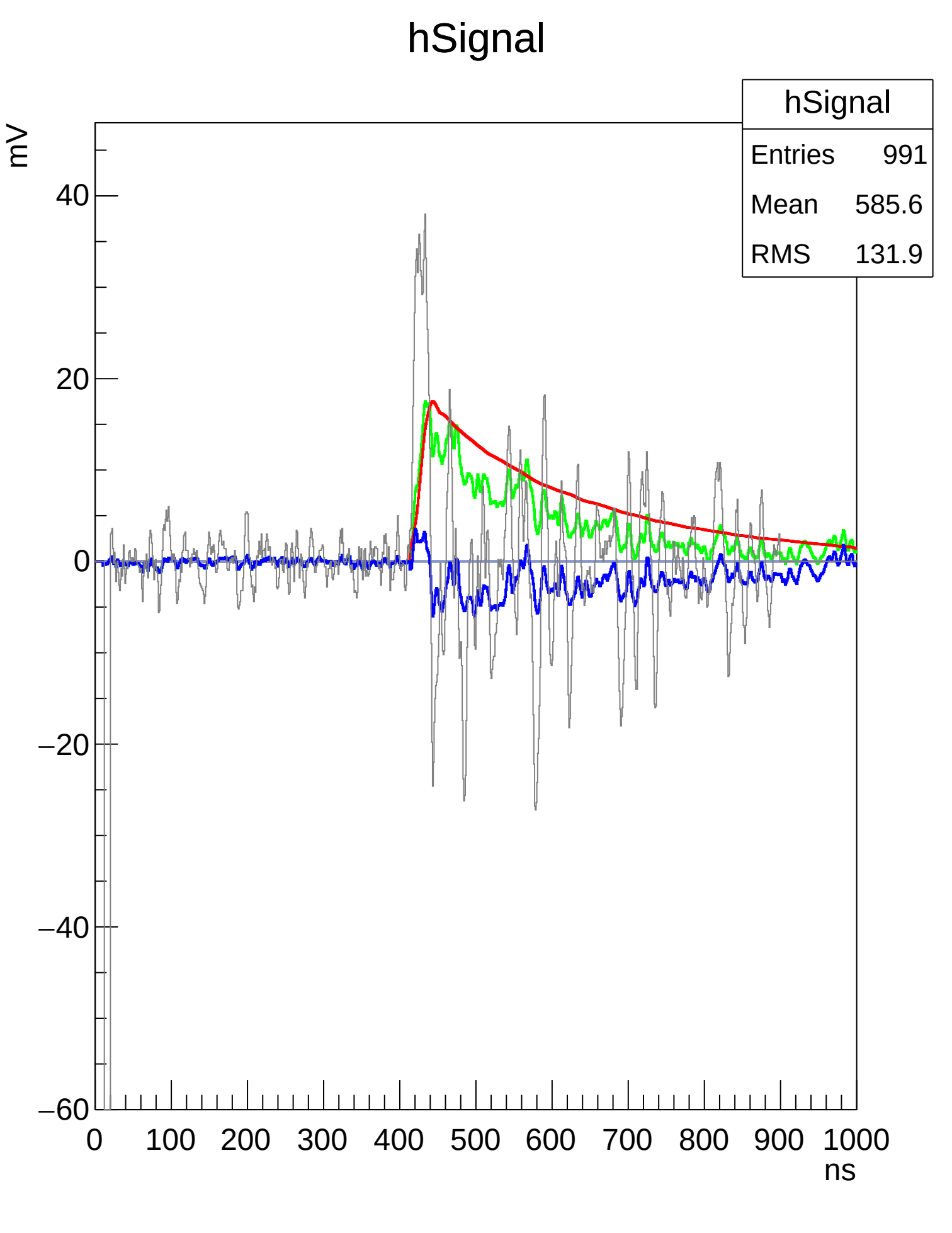
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.4
RMS 141.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.6
RMS 131.9
mV
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−20
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0
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1000
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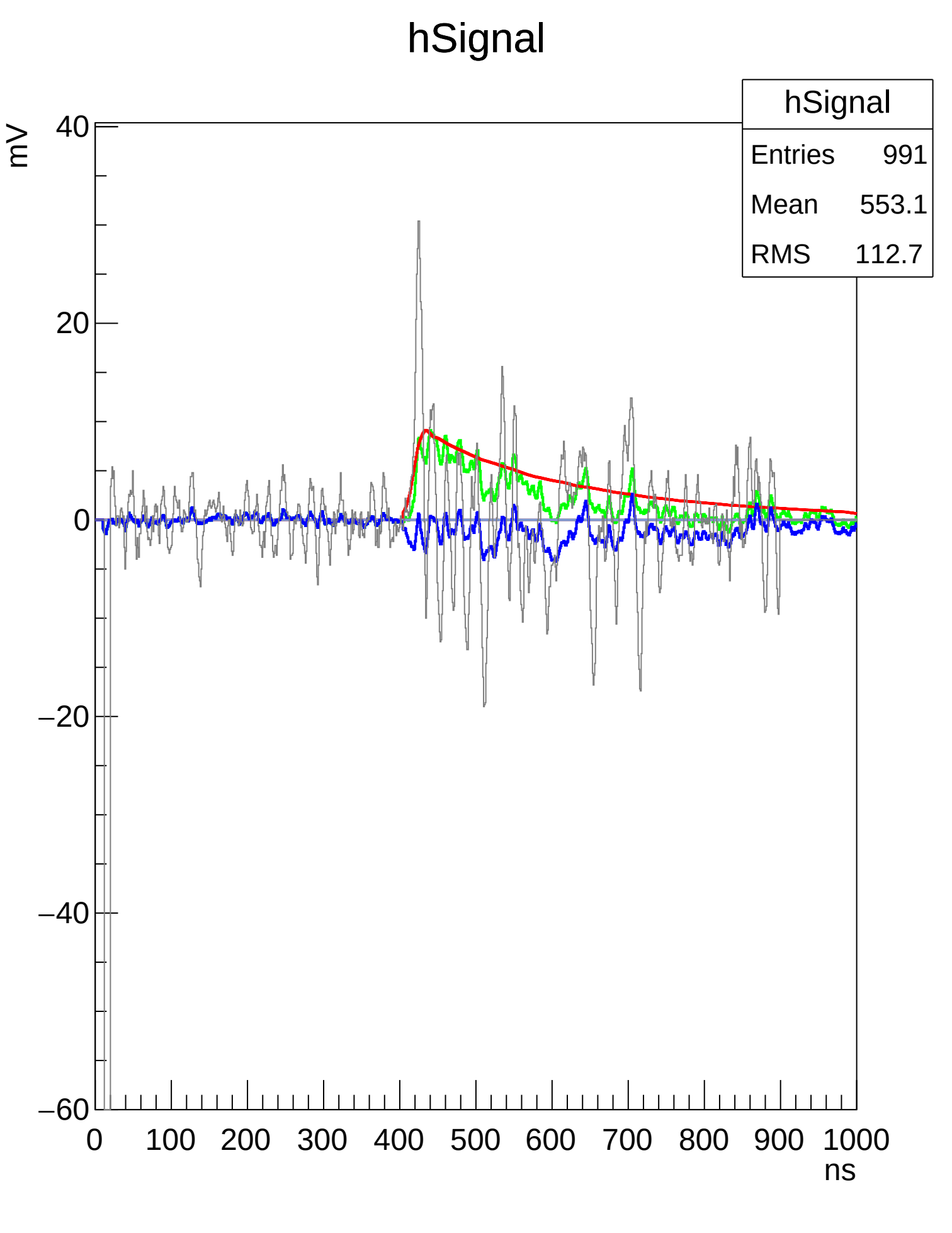
hSignal
hSignal
Entries 991
Mean 553.1
RMS 112.7
mV
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0
−20
−40
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0
100
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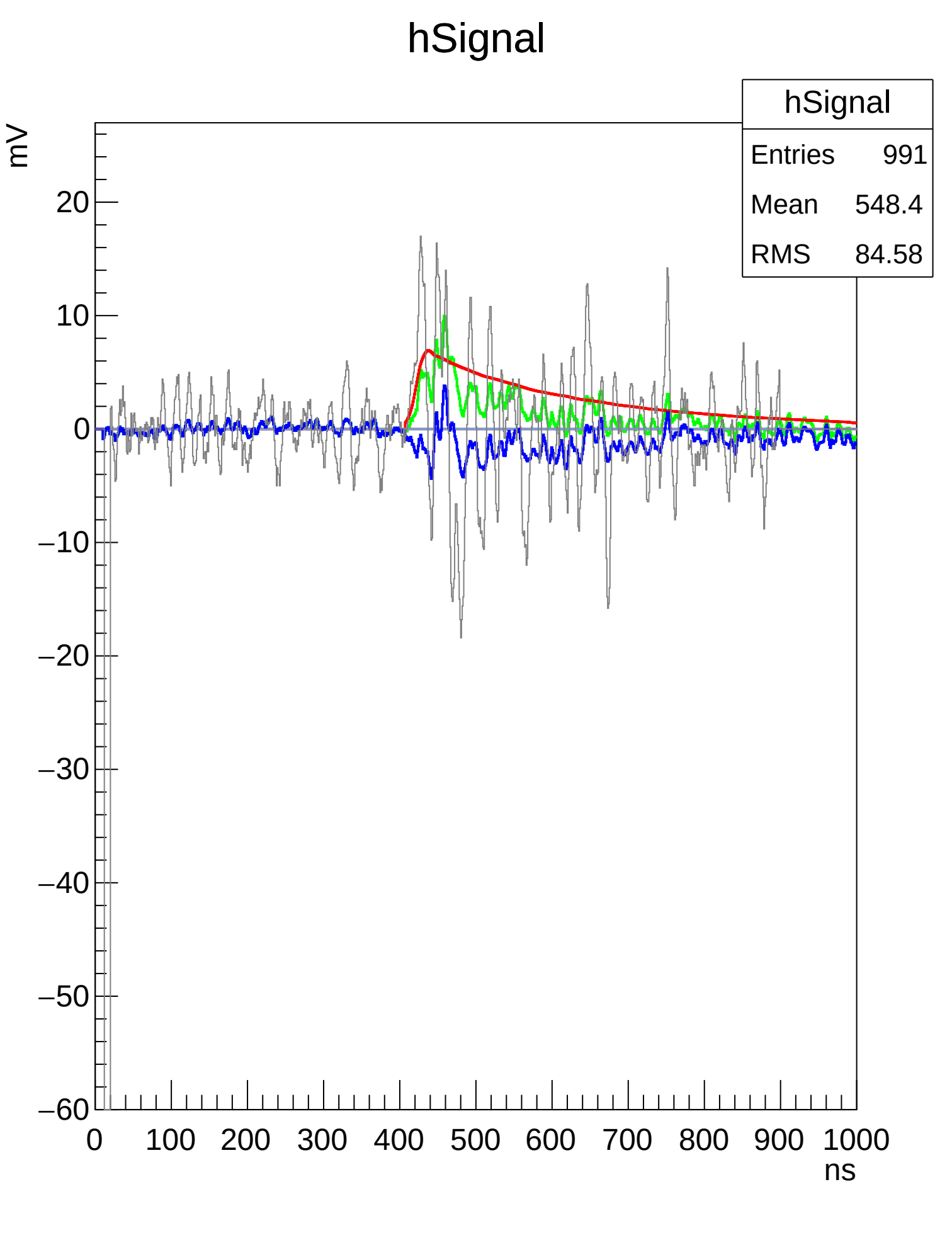
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.4
RMS 84.58
mV
20
10
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0
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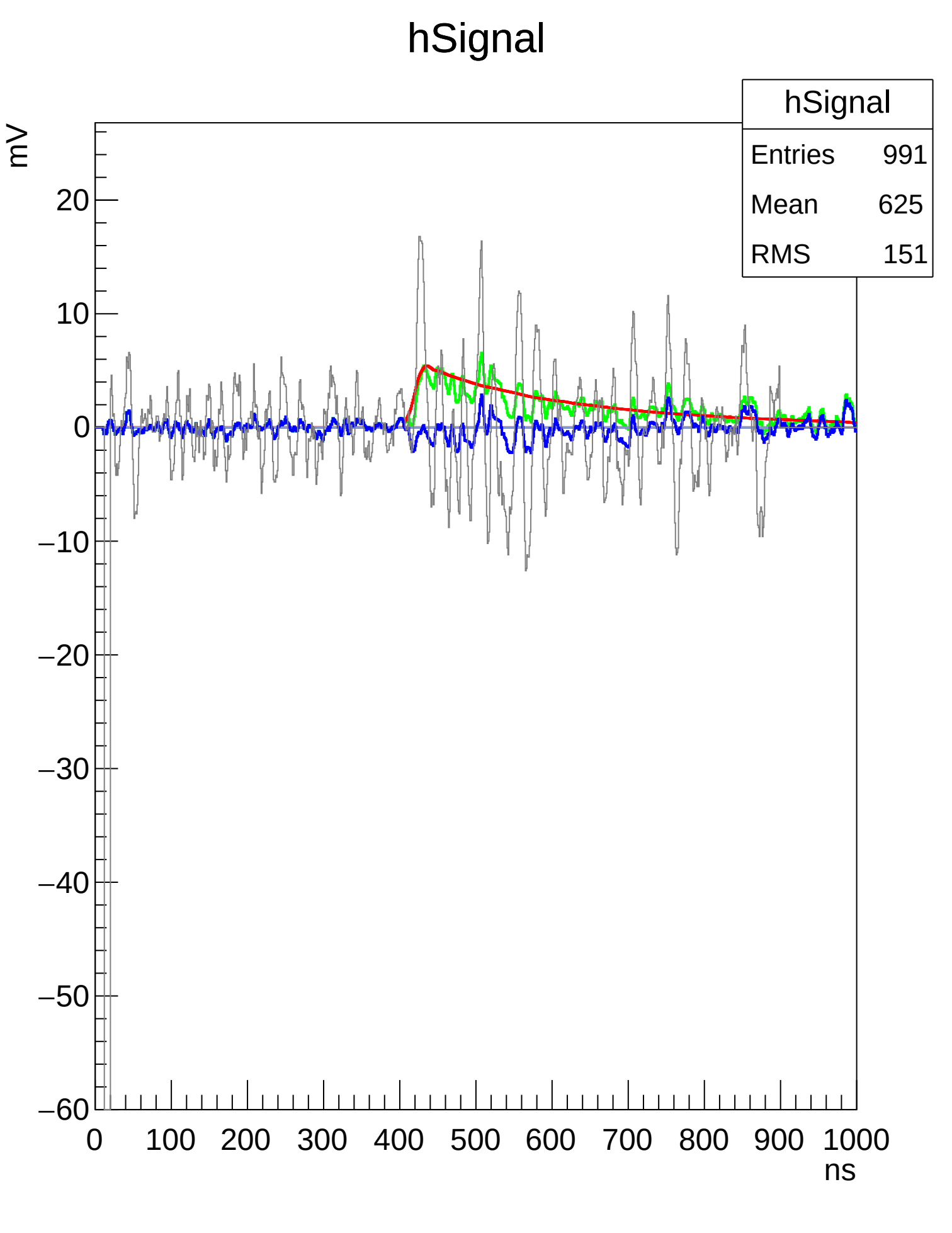
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625
RMS 151
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
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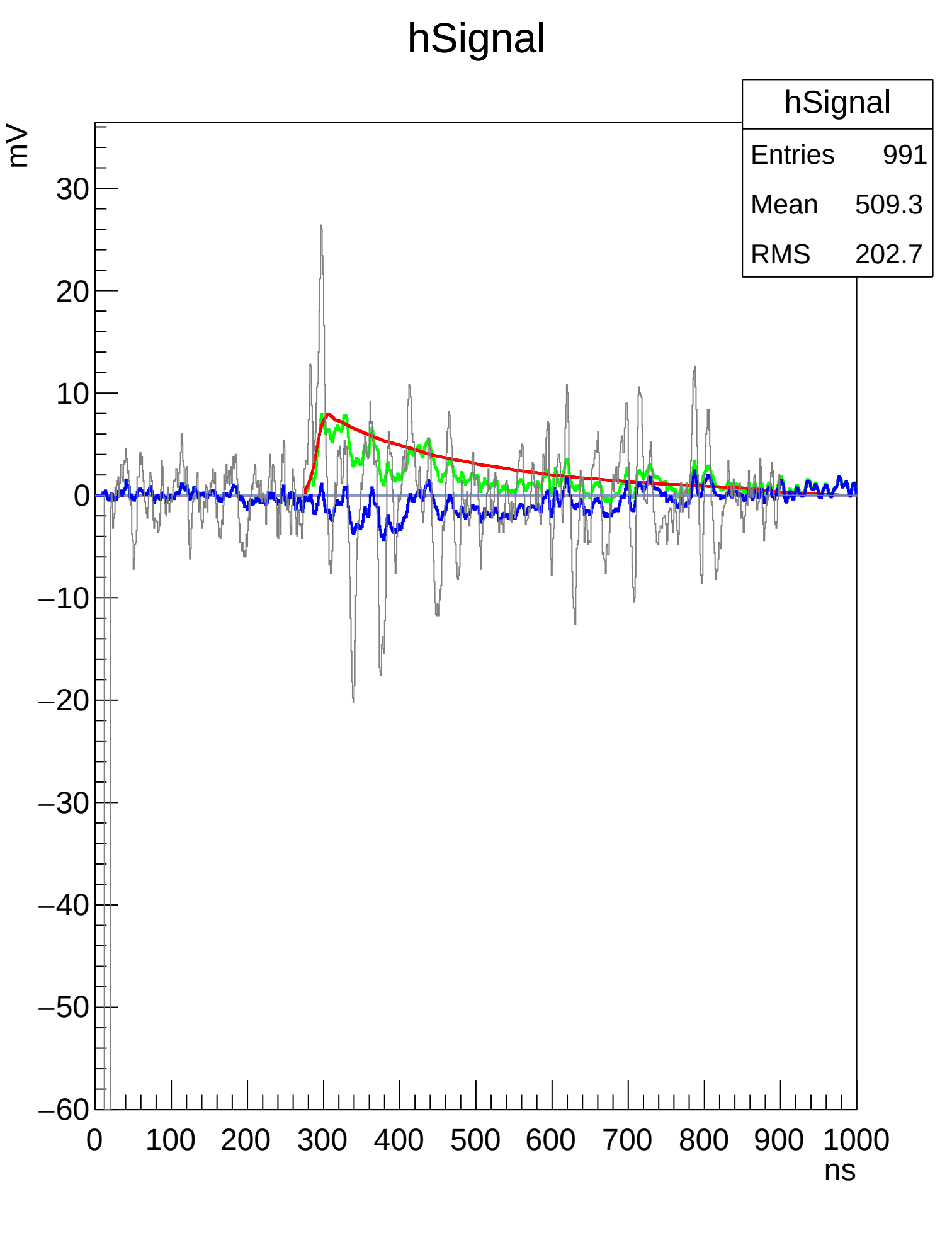
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.3
RMS 202.7
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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600
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800
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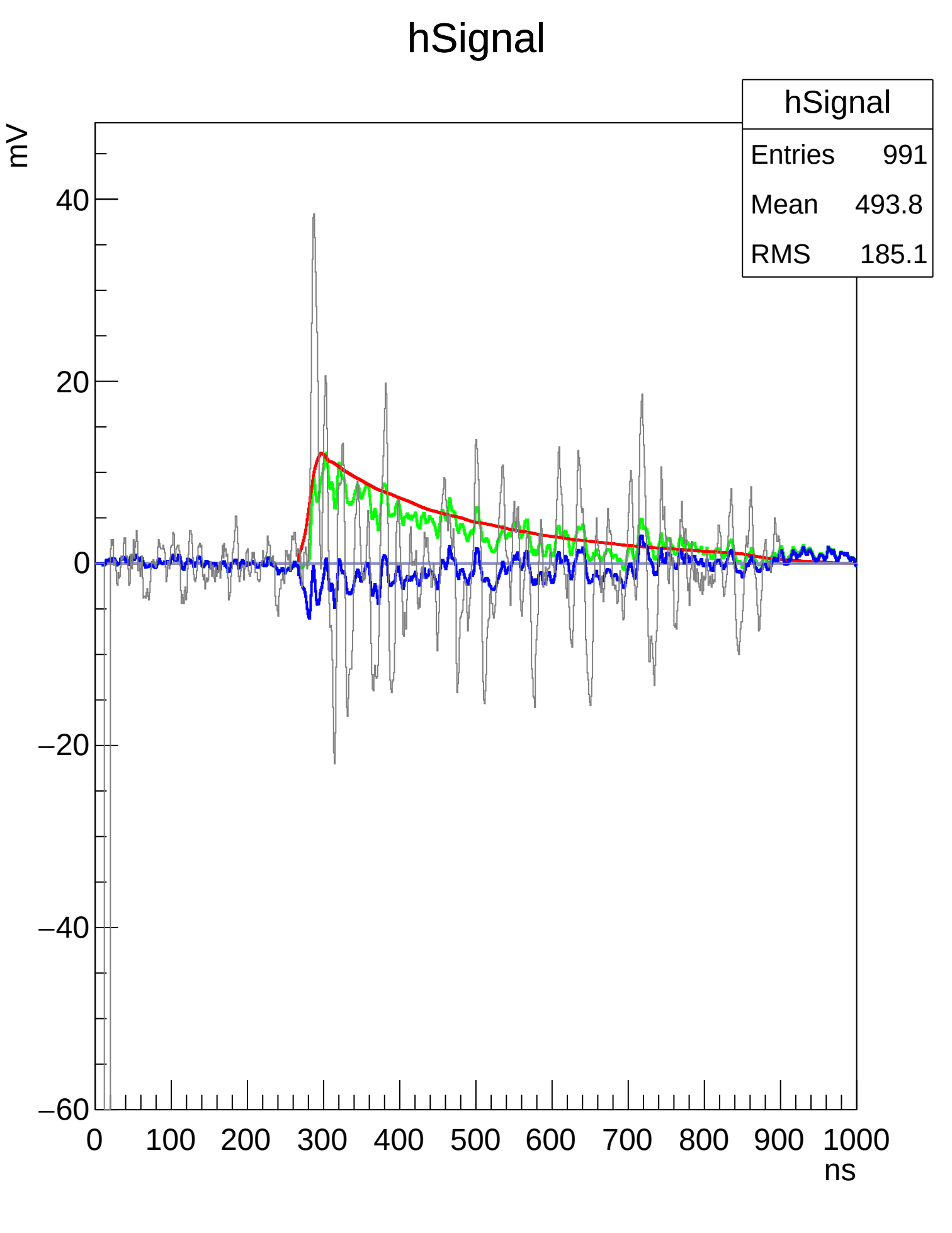
1000
ns


hSignal
hSignal
Entries 991
Mean 493.8
RMS 185.1
mV
40
20
0
−20
−40
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0
100
200
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400
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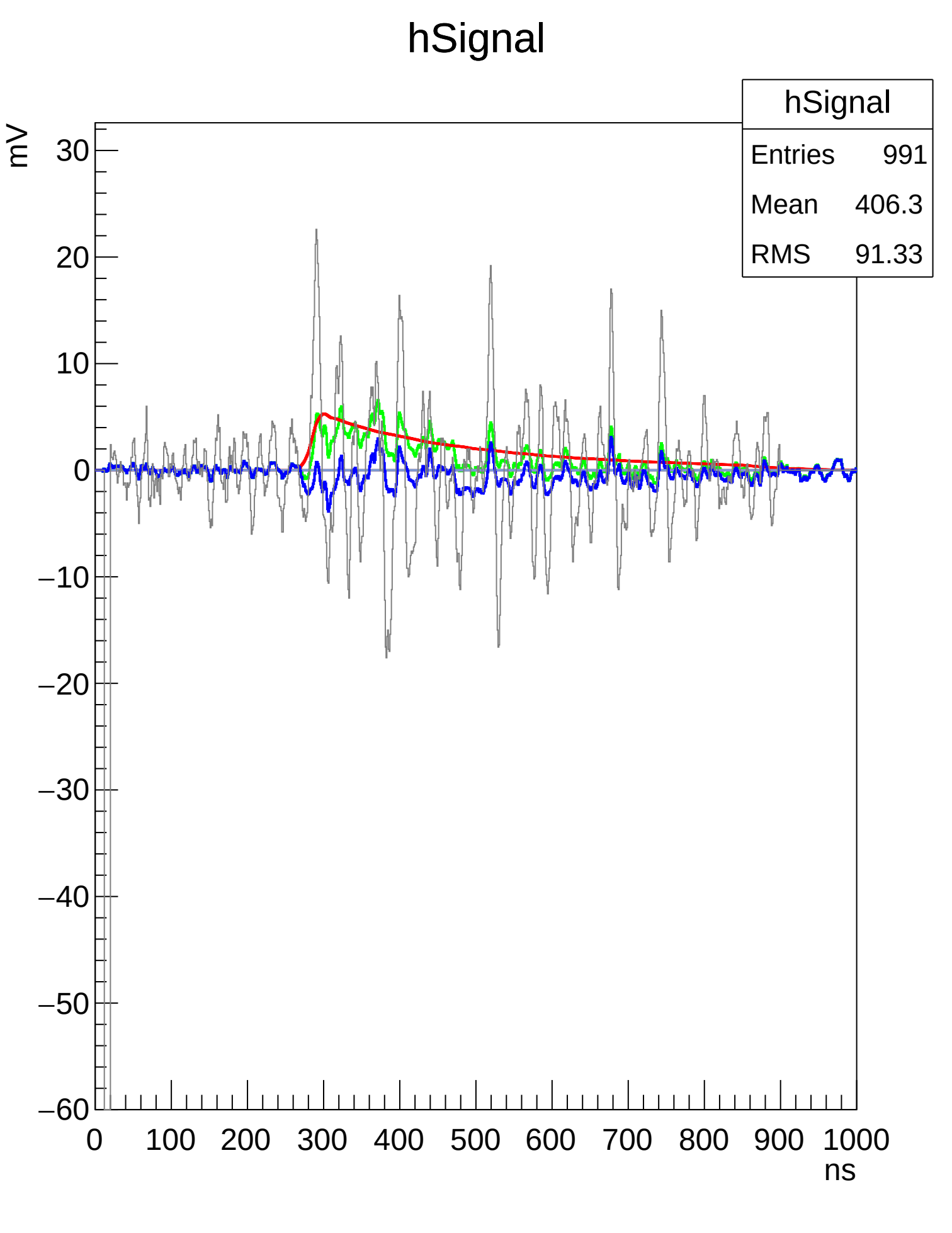
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 406.3
RMS 91.33
mV
30
20
10
0
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−40
−50
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0
100
200
300
400
500
600
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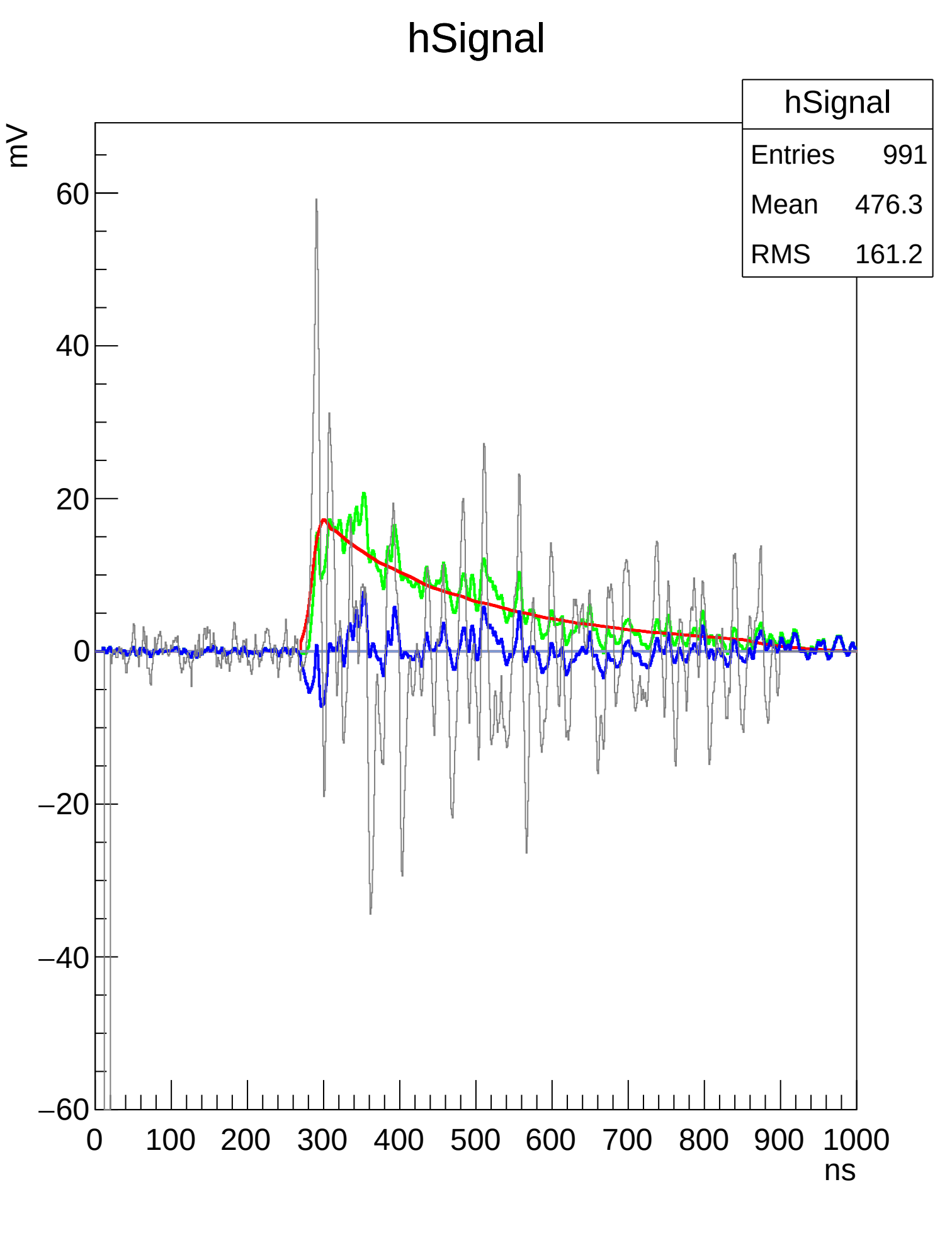
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 476.3
RMS 161.2
mV
60
40
20
0
−20
−40
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0
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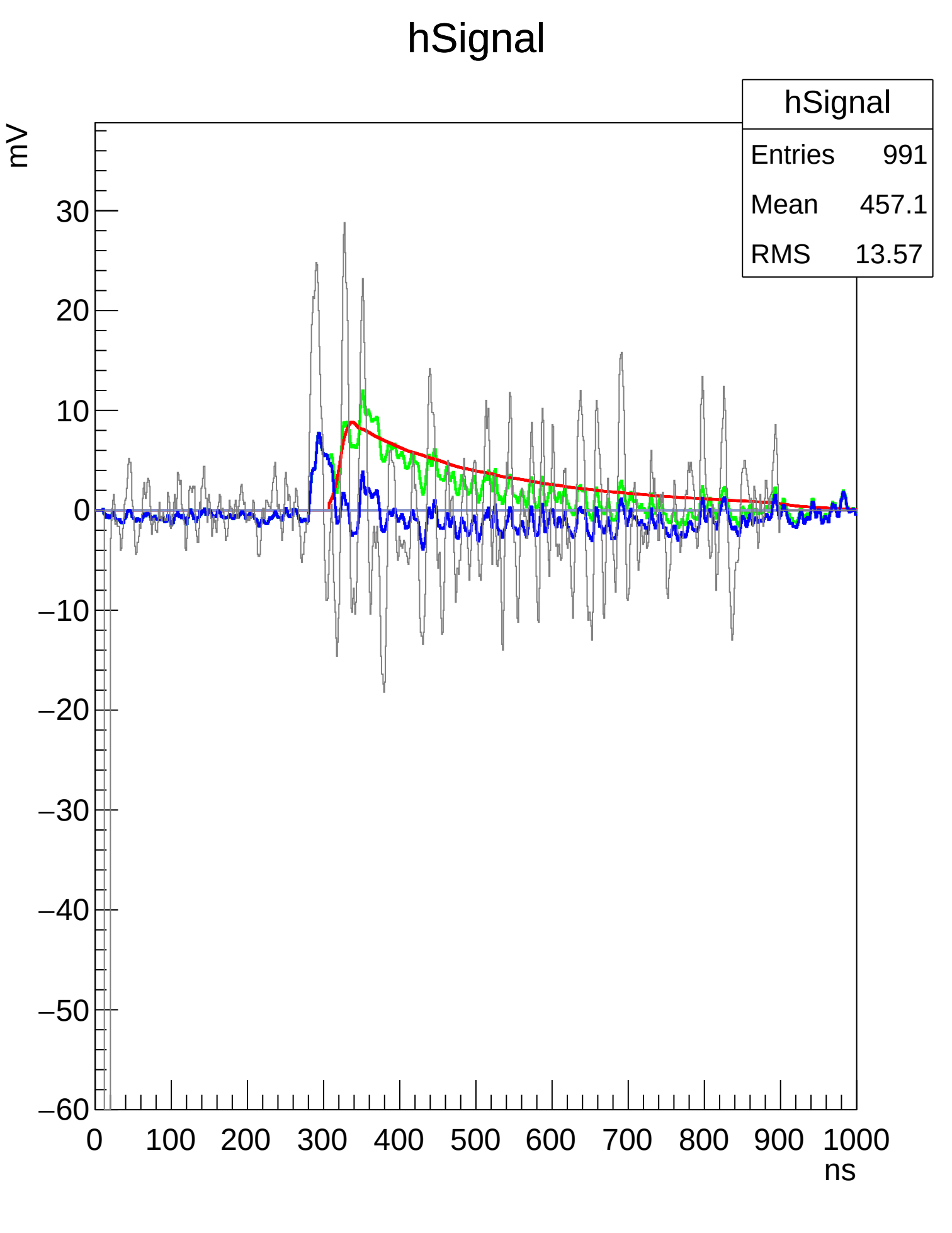
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 457.1
RMS 13.57
mV
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10
0
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0
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200
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400
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800
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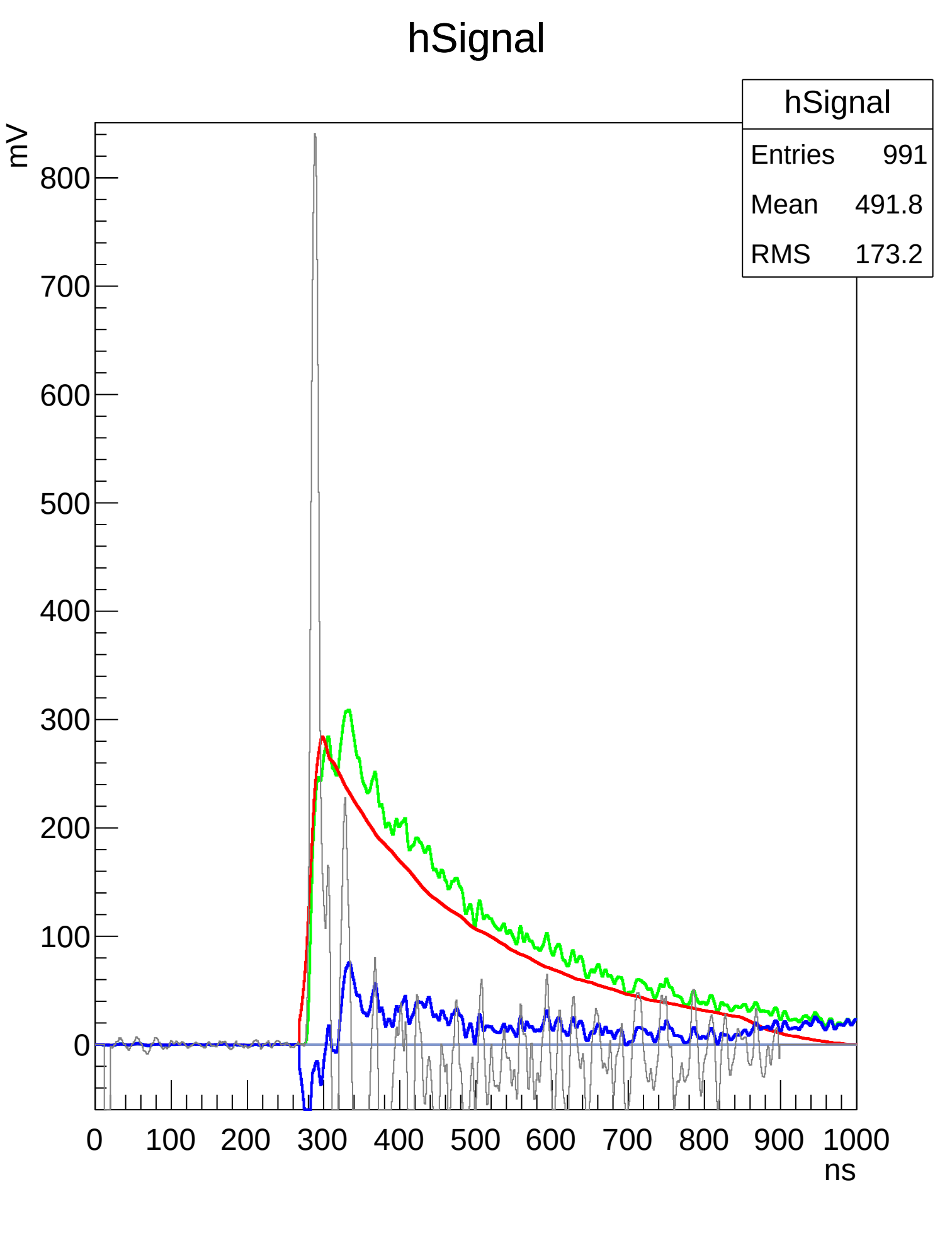
1000
ns


hSignal
hSignal
Entries 991
Mean 491.8
RMS 173.2
mV
800
700
600
500
400
300
200
100
0
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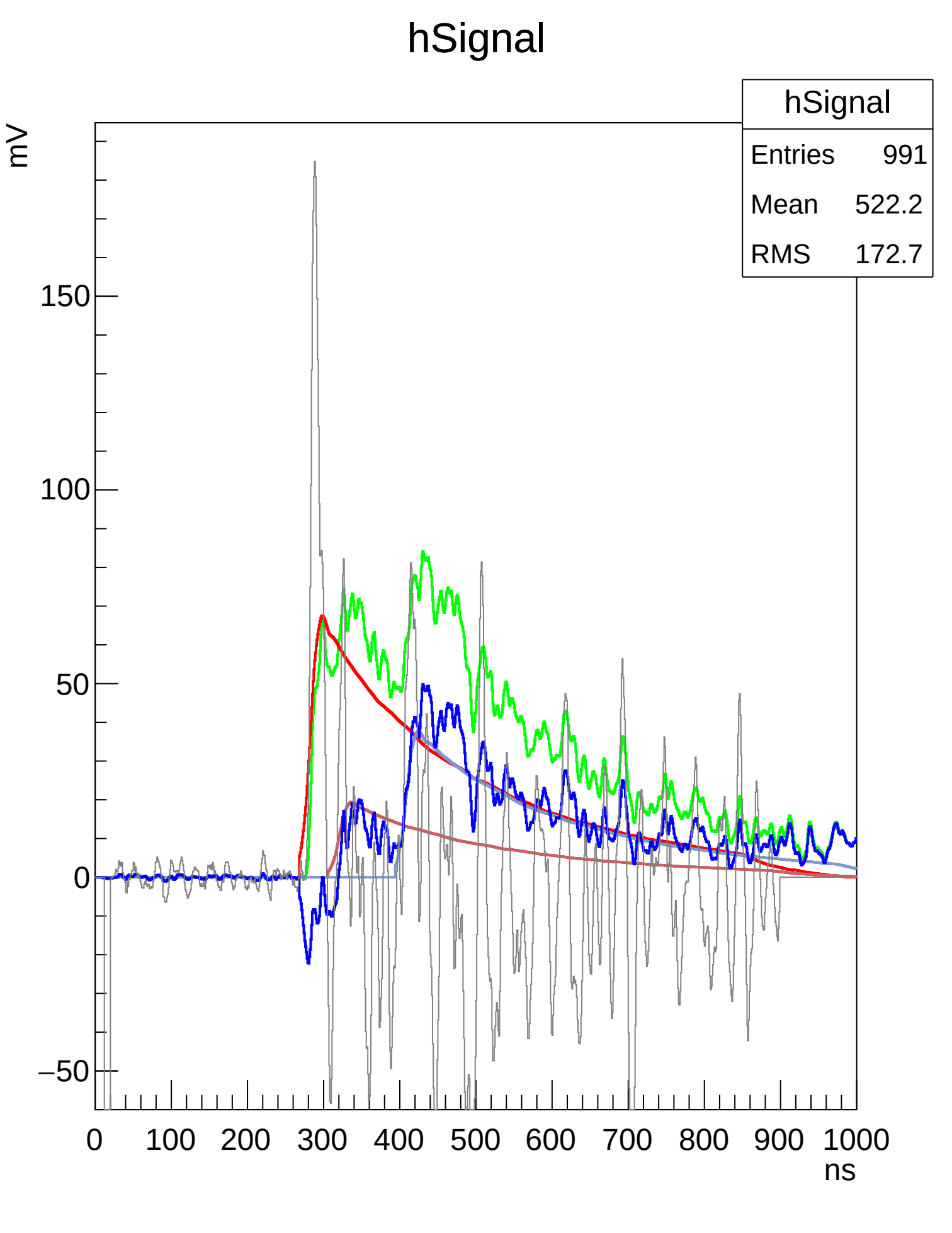
ns


hSignal
hSignal
Entries 991
Mean 522.2
RMS 172.7
mV
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100
50
0
−50
0
100
200
300
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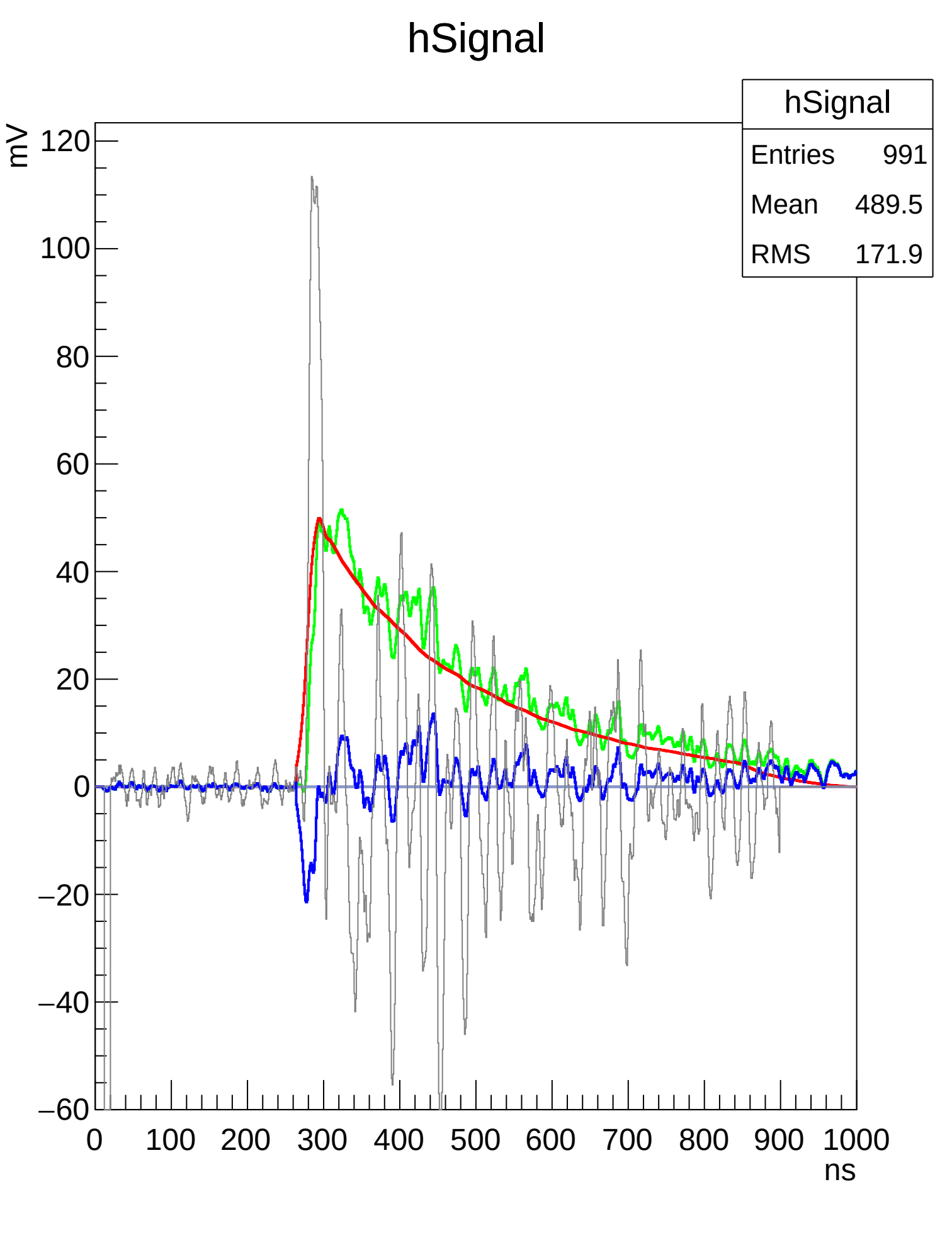
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.5
RMS 171.9
mV
120
100
80
60
40
20
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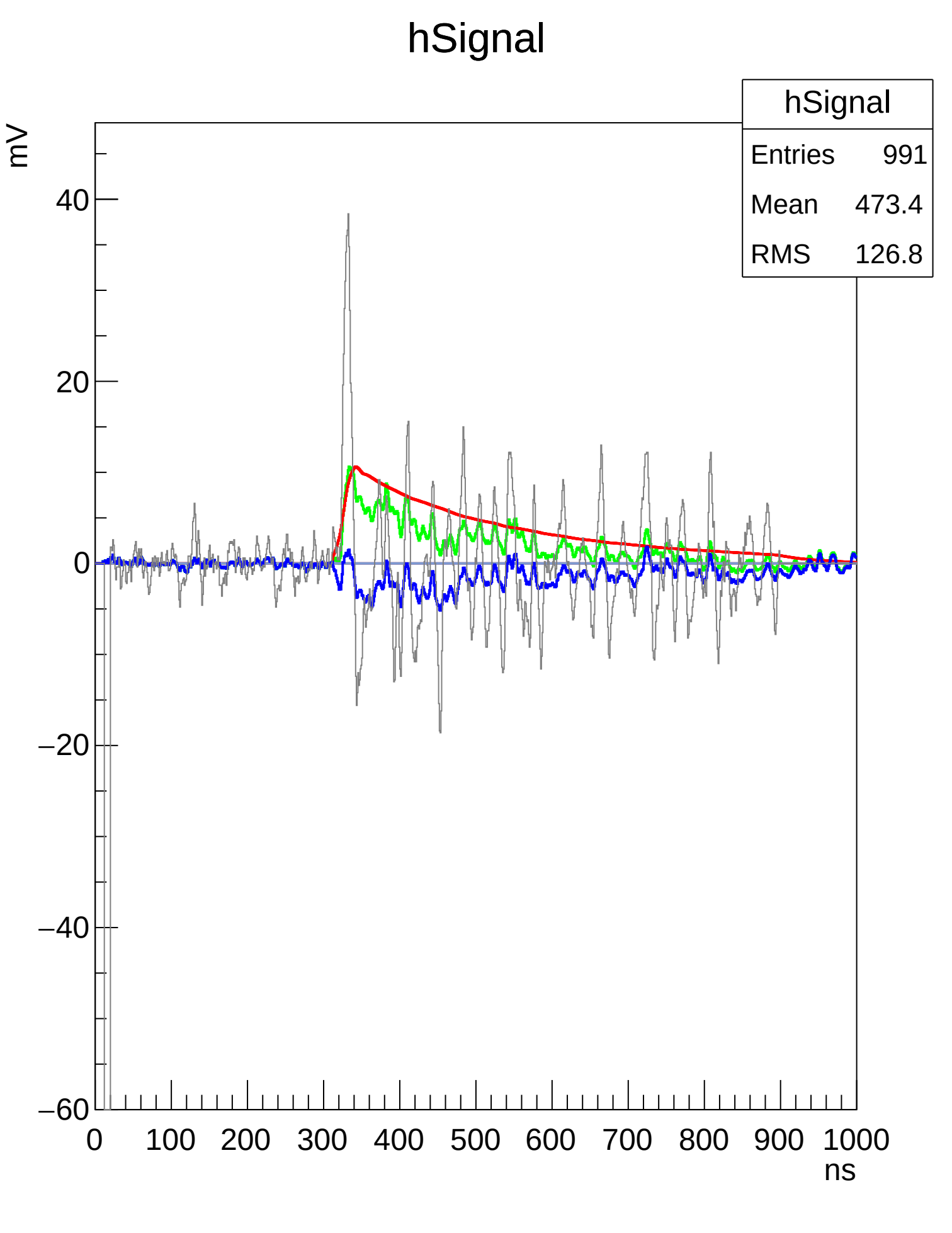
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 473.4
RMS 126.8
mV
40
20
0
−20
−40
−60
0
100
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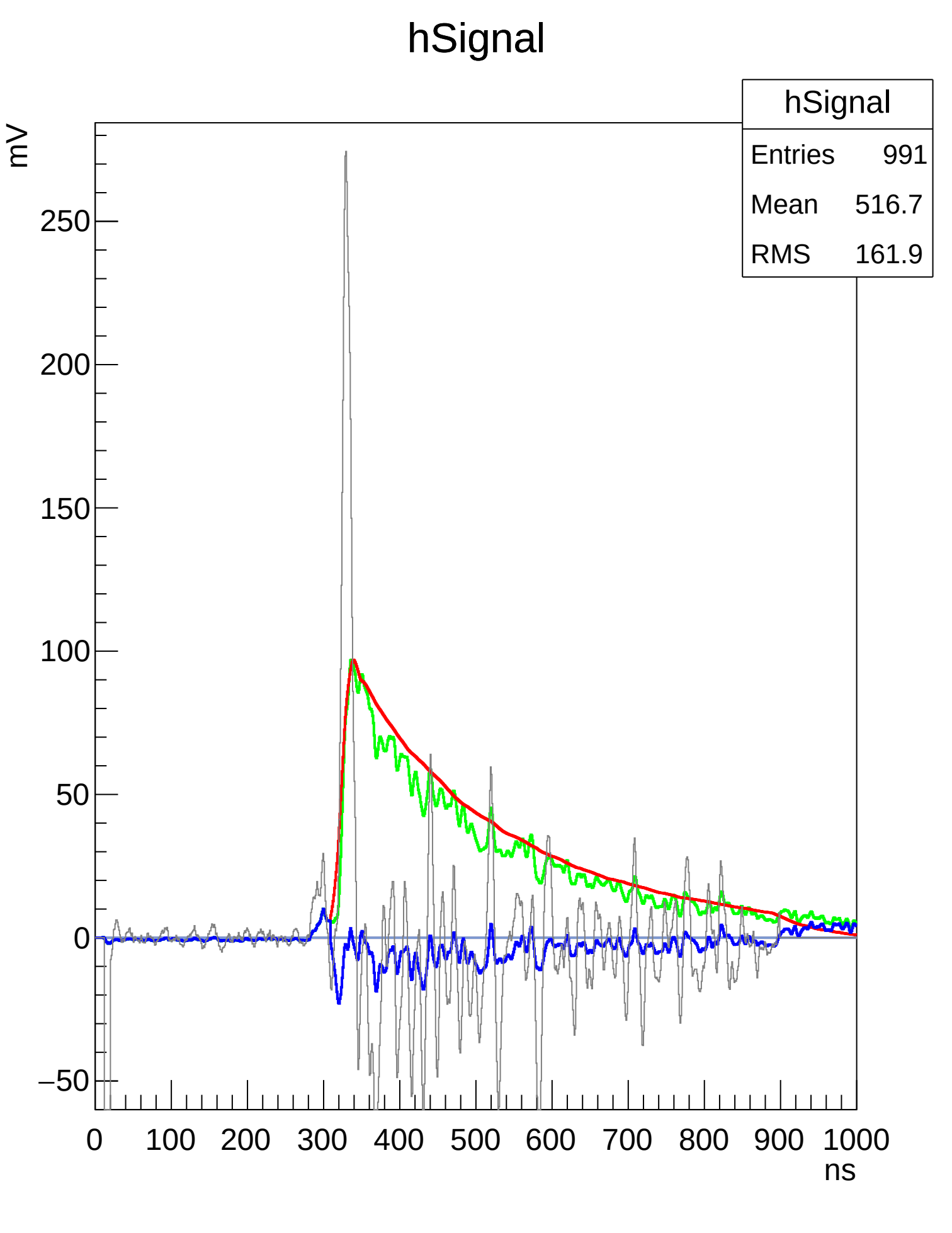
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.7
RMS 161.9
mV
250
200
150
100
50
0
−50
0
100
200
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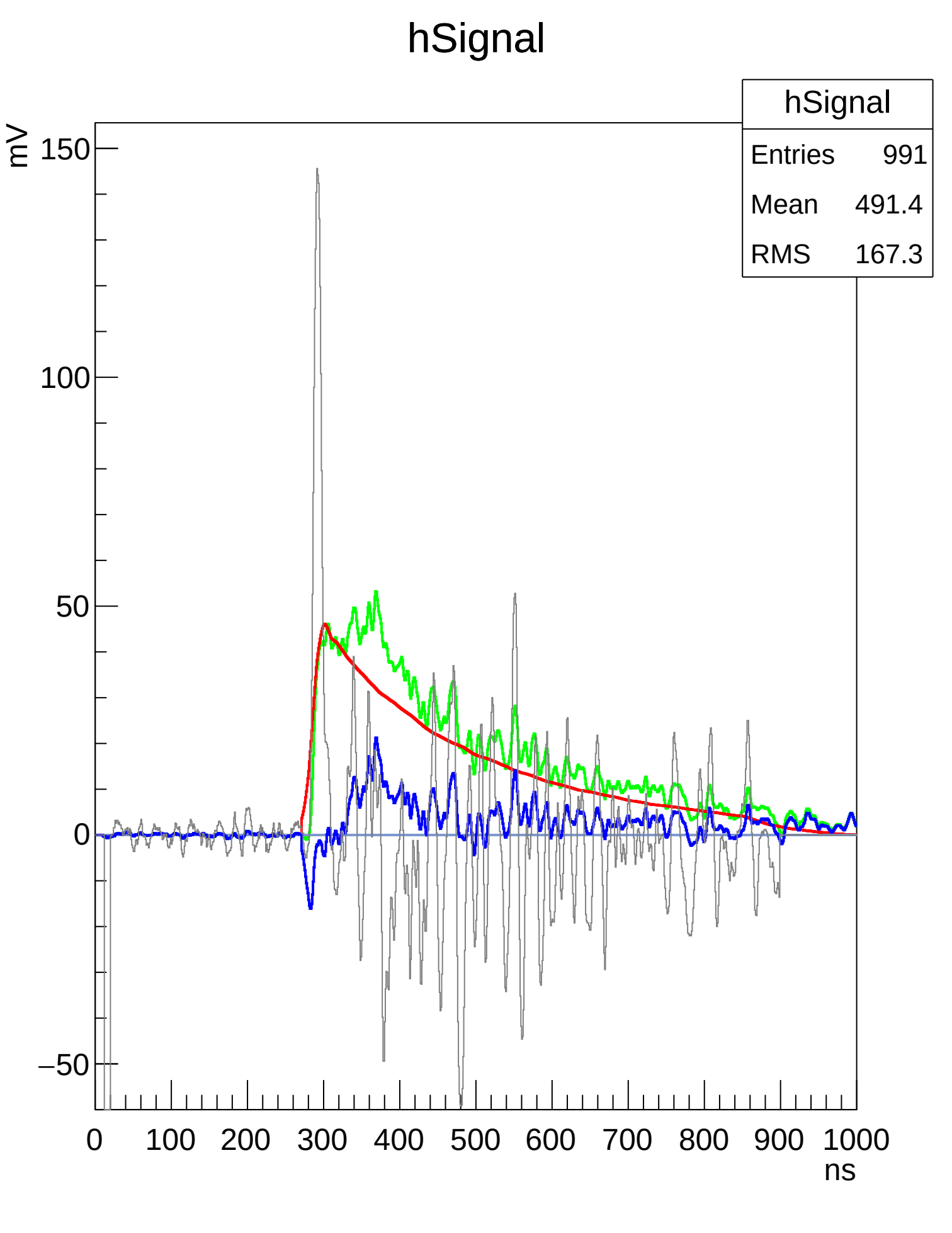
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.4
RMS 167.3
mV
150
100
50
0
−50
0
100
200
300
400
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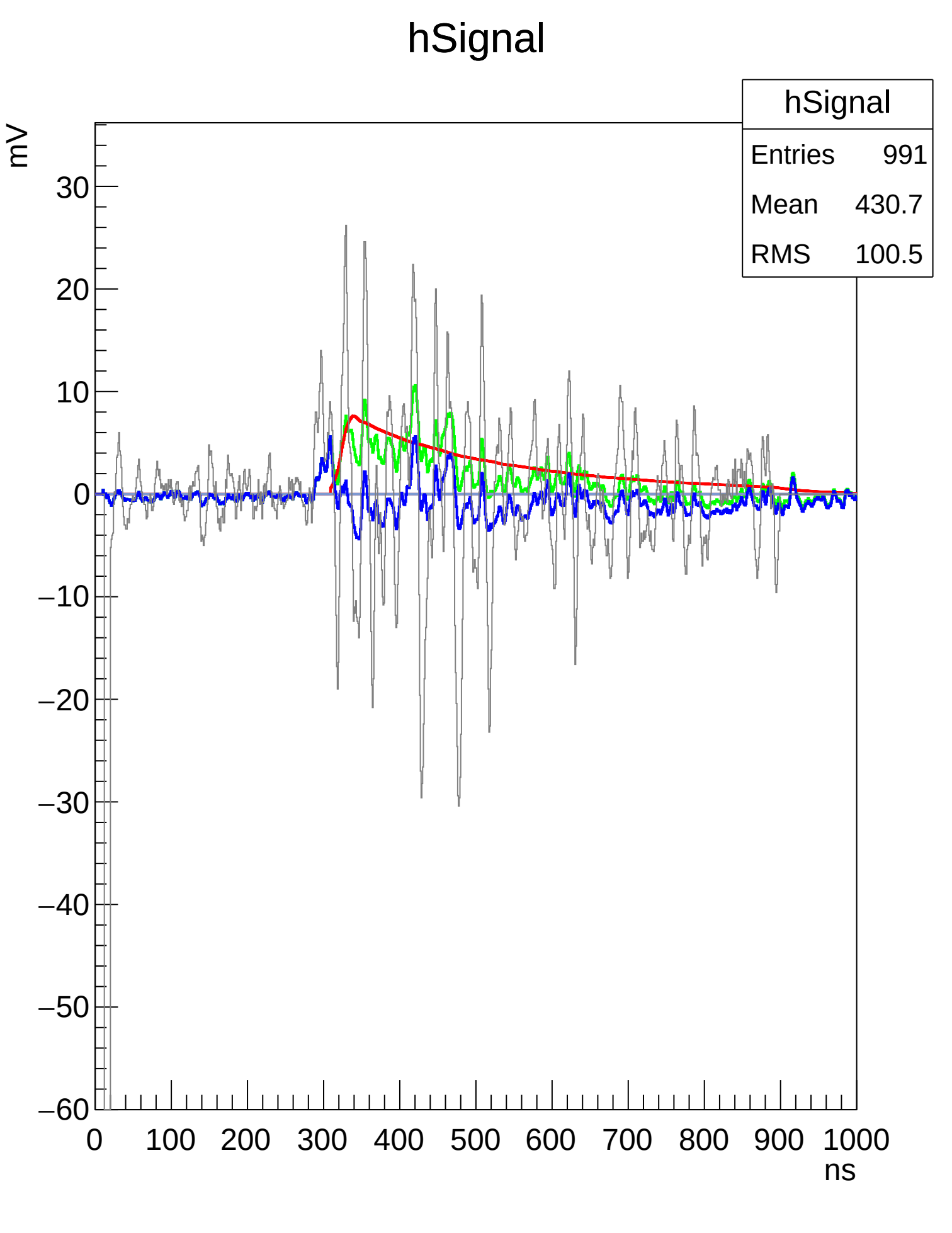
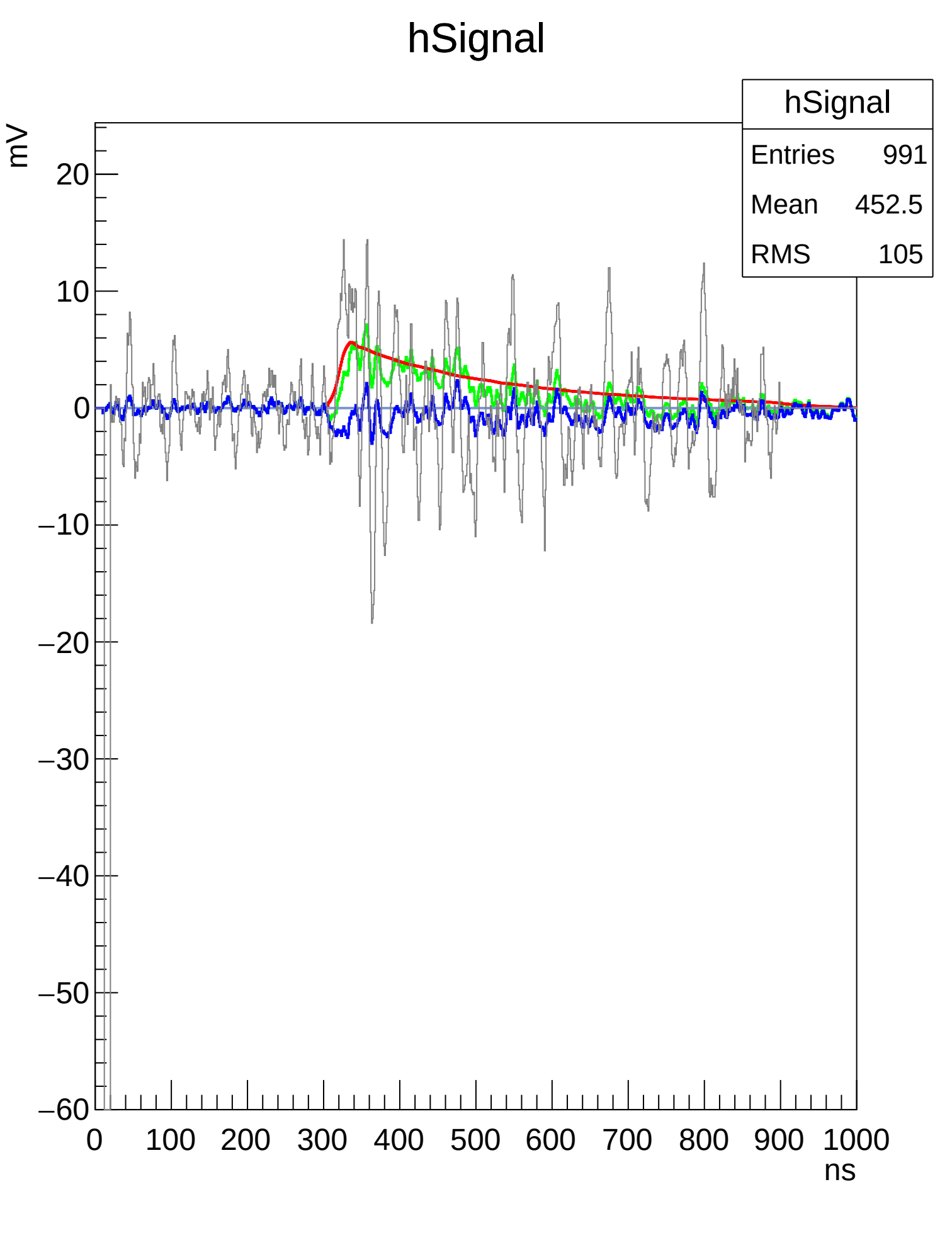
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 430.7
RMS 100.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 452.5
RMS 105
mV
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10
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−50
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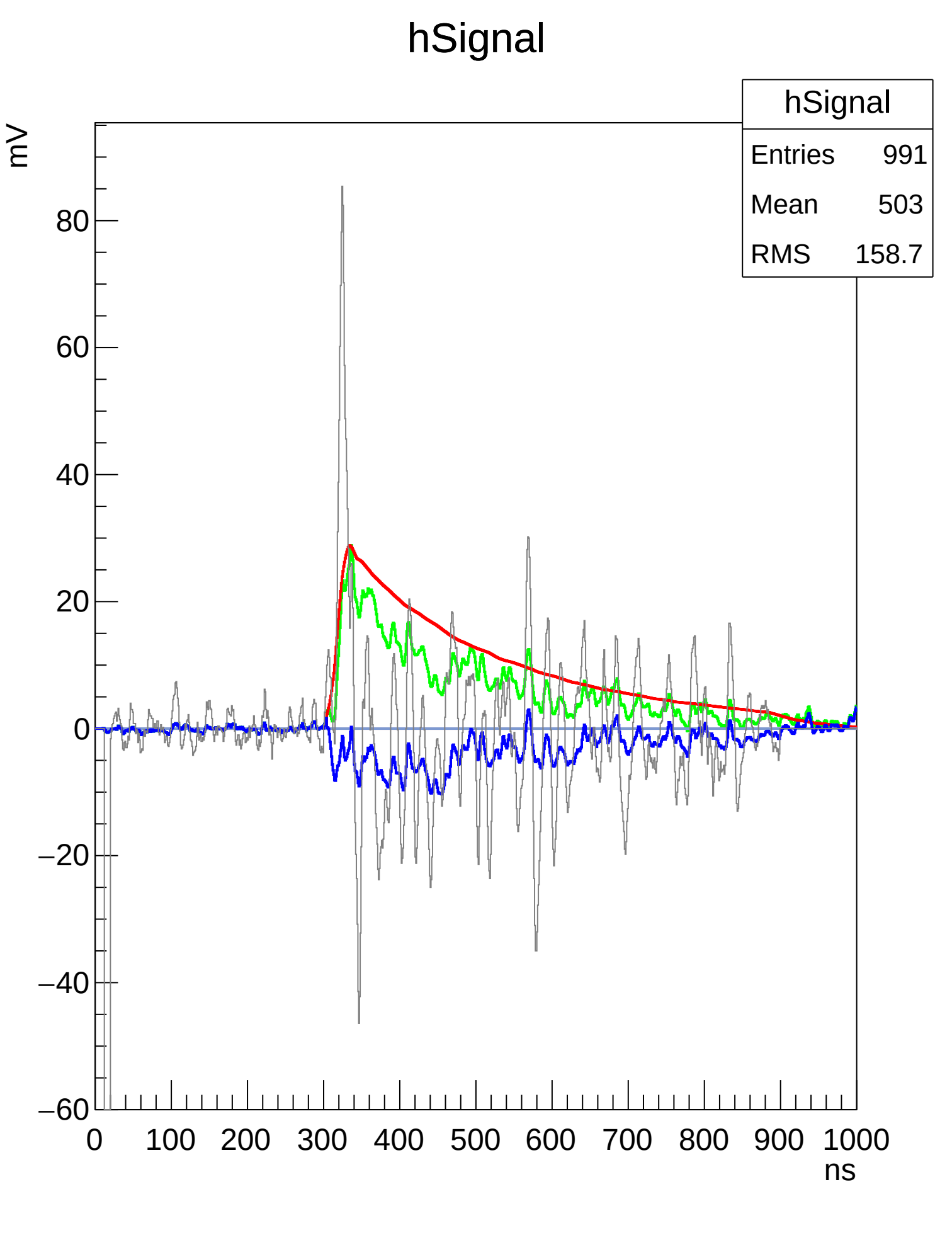
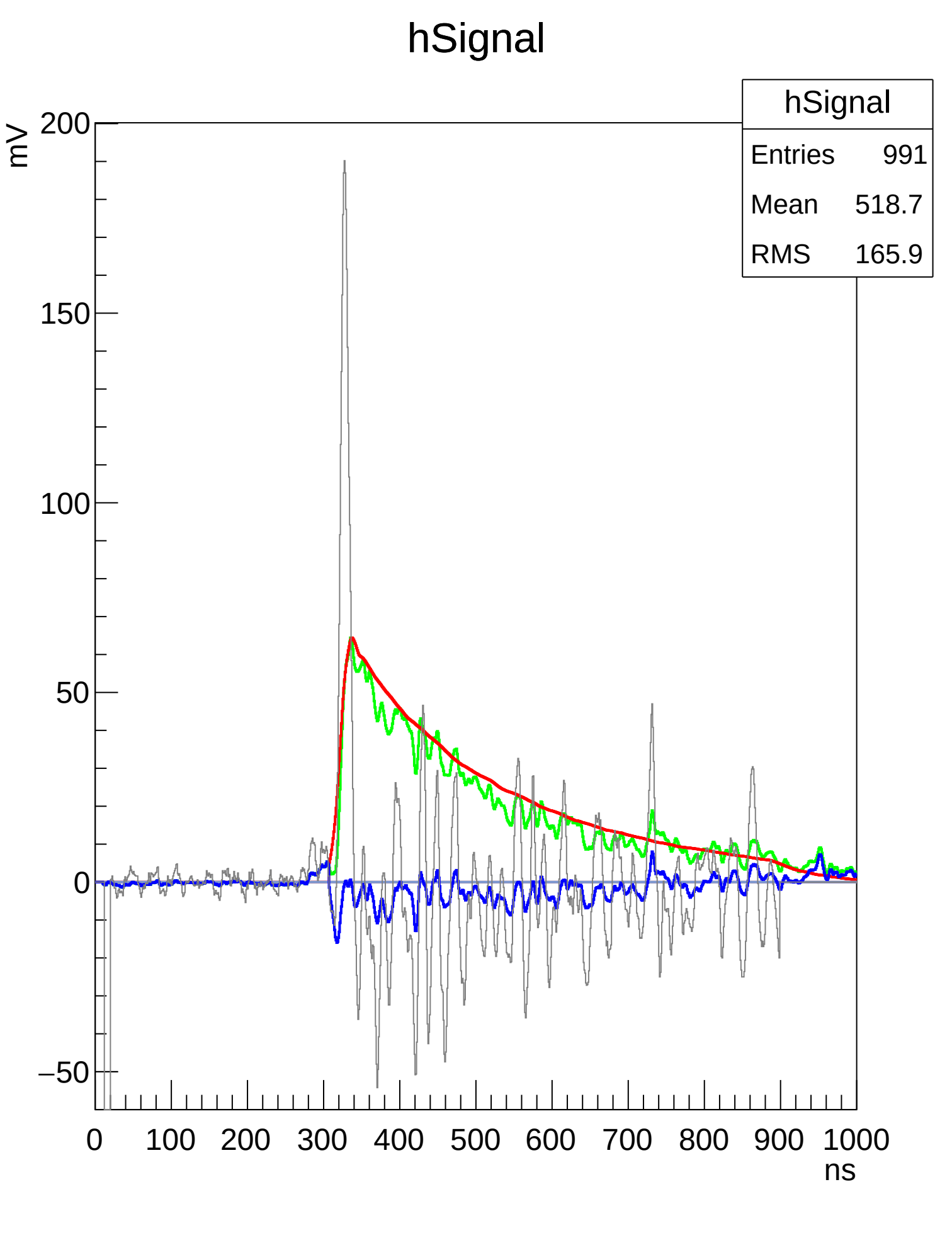
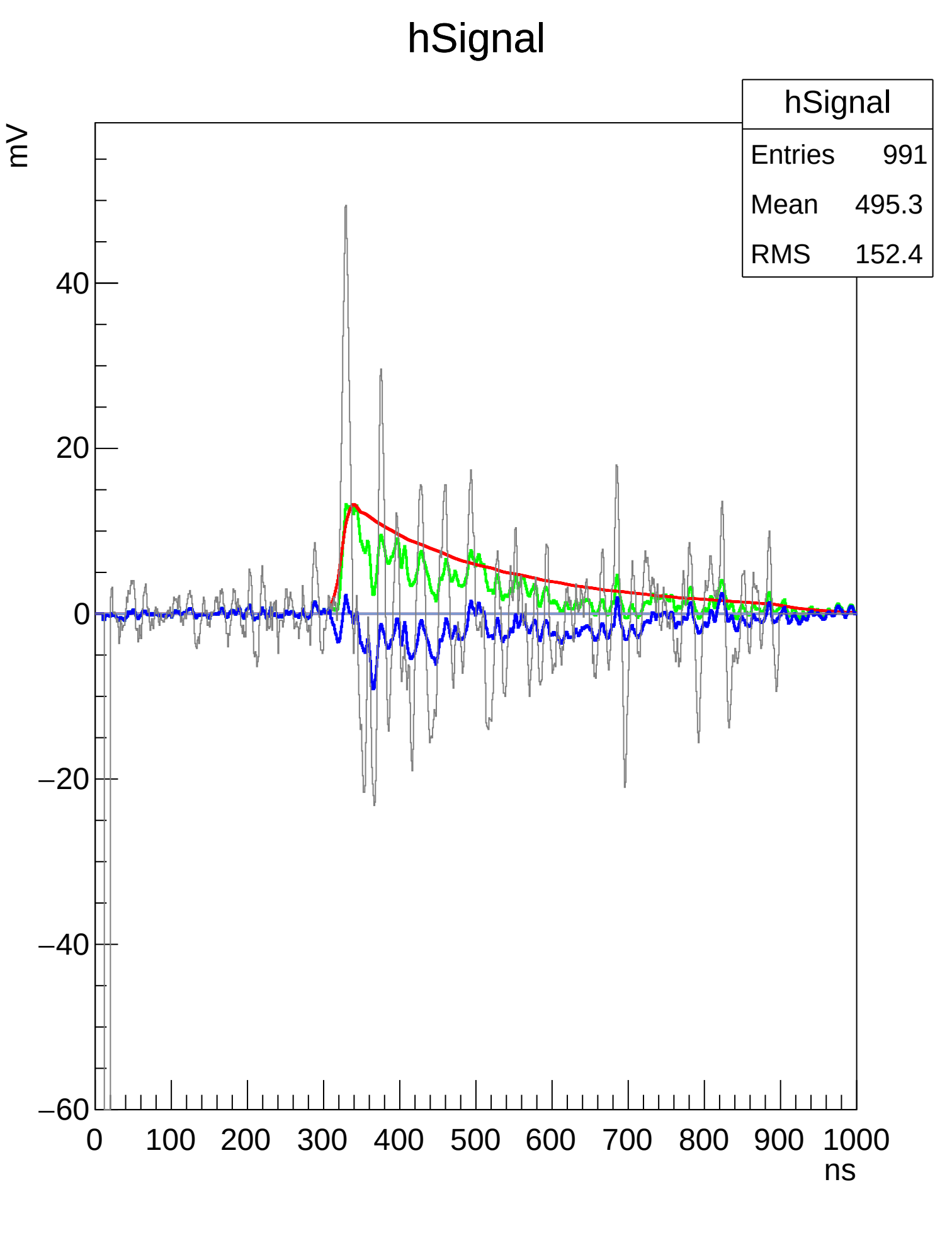
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503
RMS 158.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.7
RMS 165.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.3
RMS 152.4
mV
40
20
0
−20
−40
−60
0
100
200
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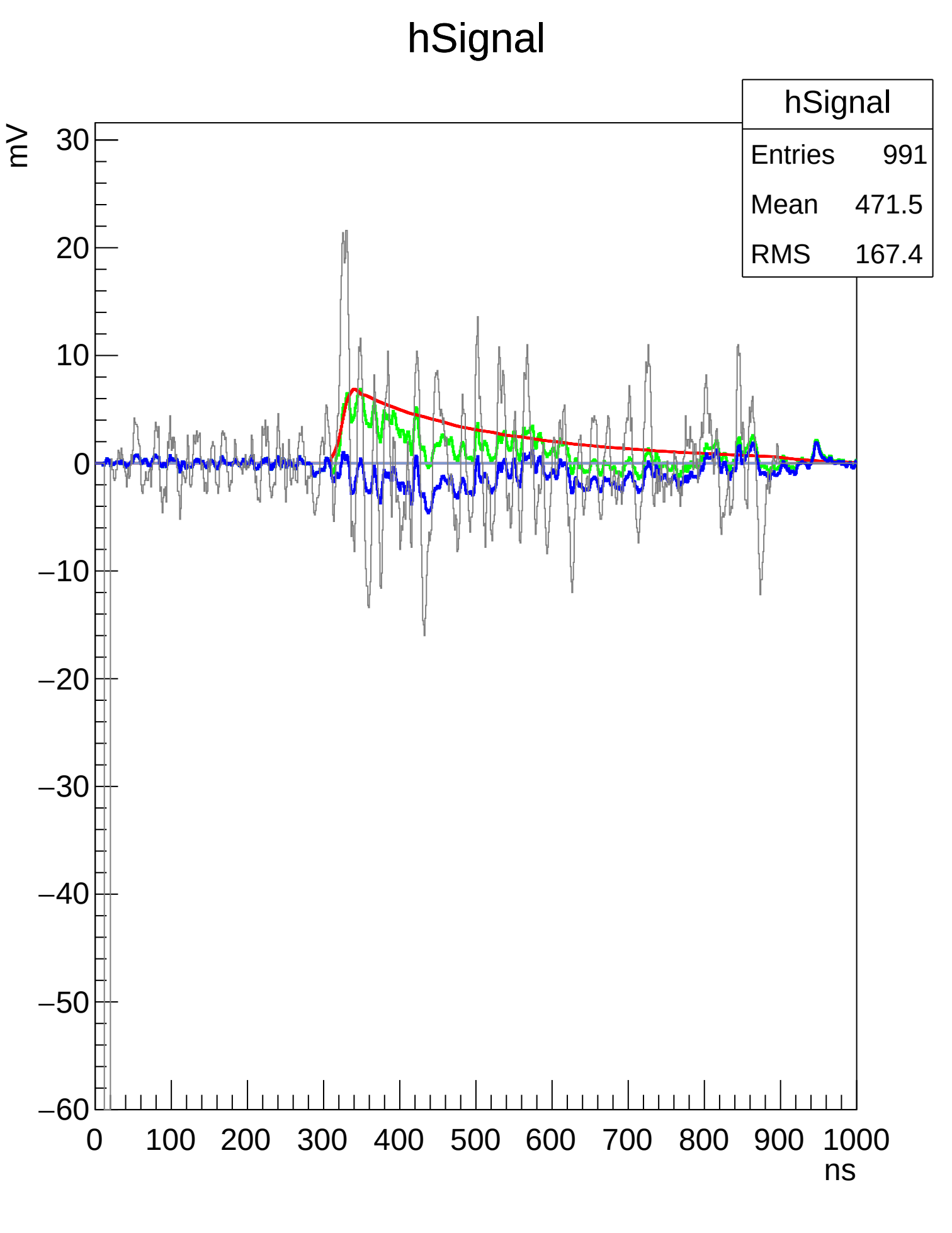
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 471.5
RMS 167.4
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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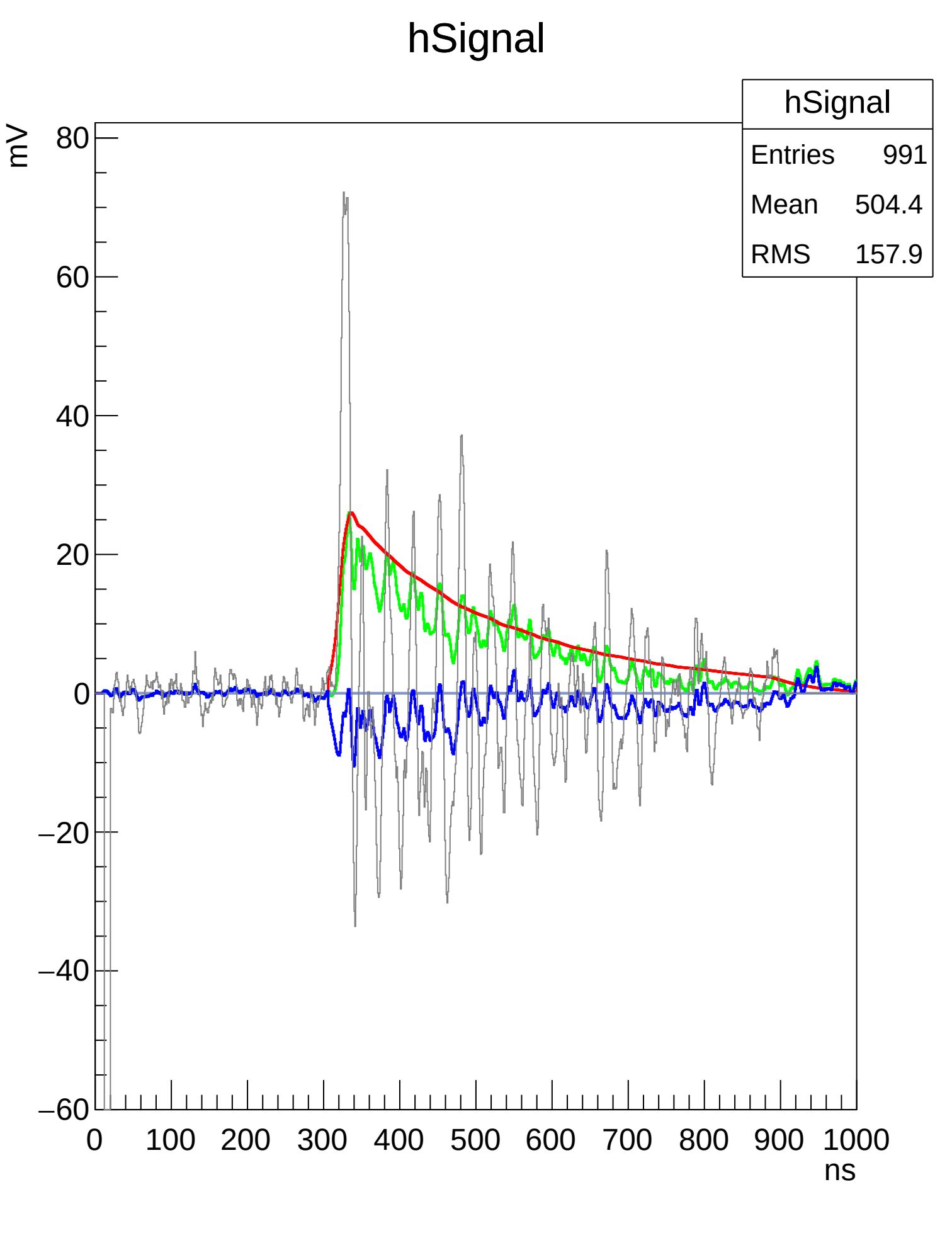
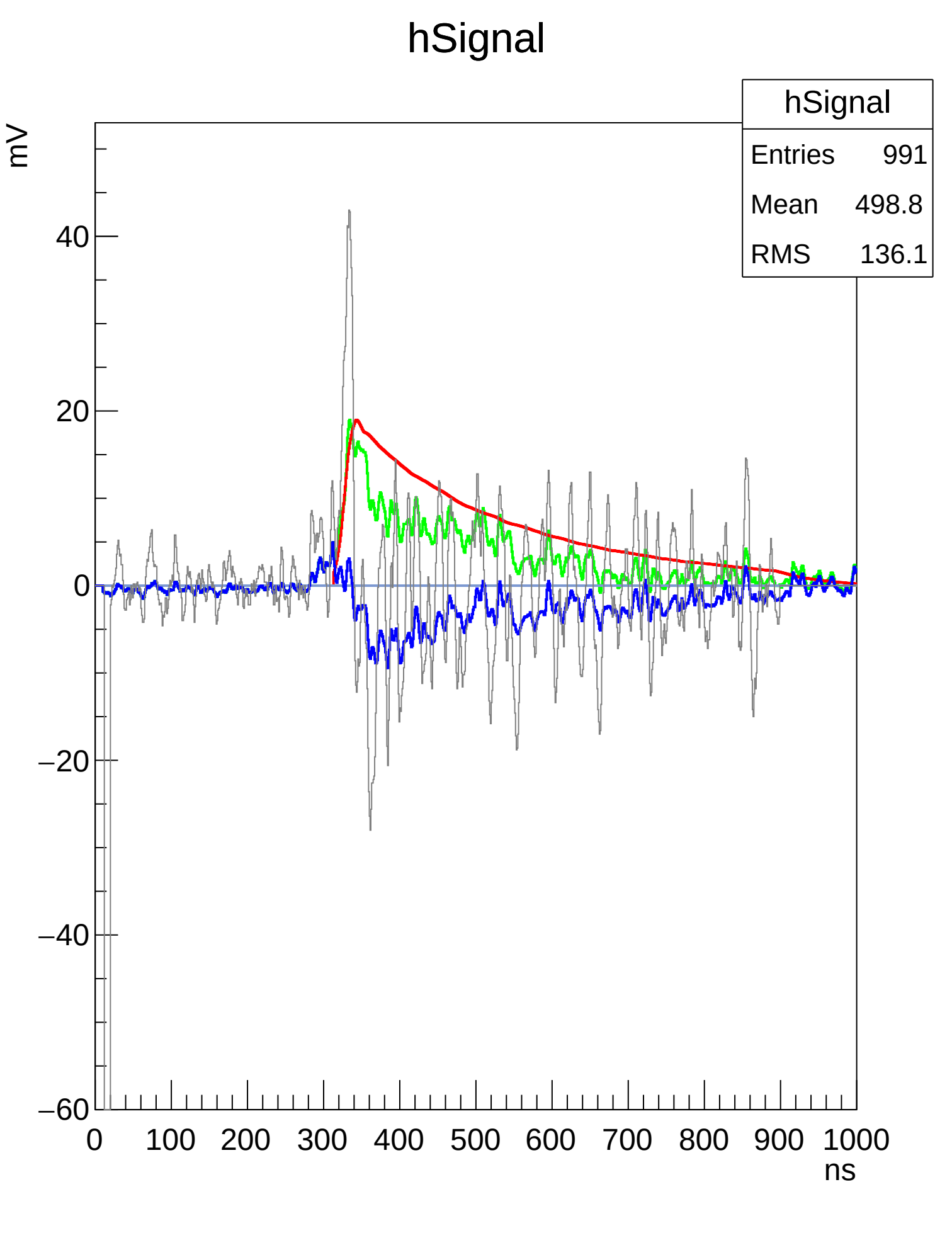
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.4
RMS 157.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.8
RMS 136.1
mV
40
20
0
−20
−40
−60
0
100
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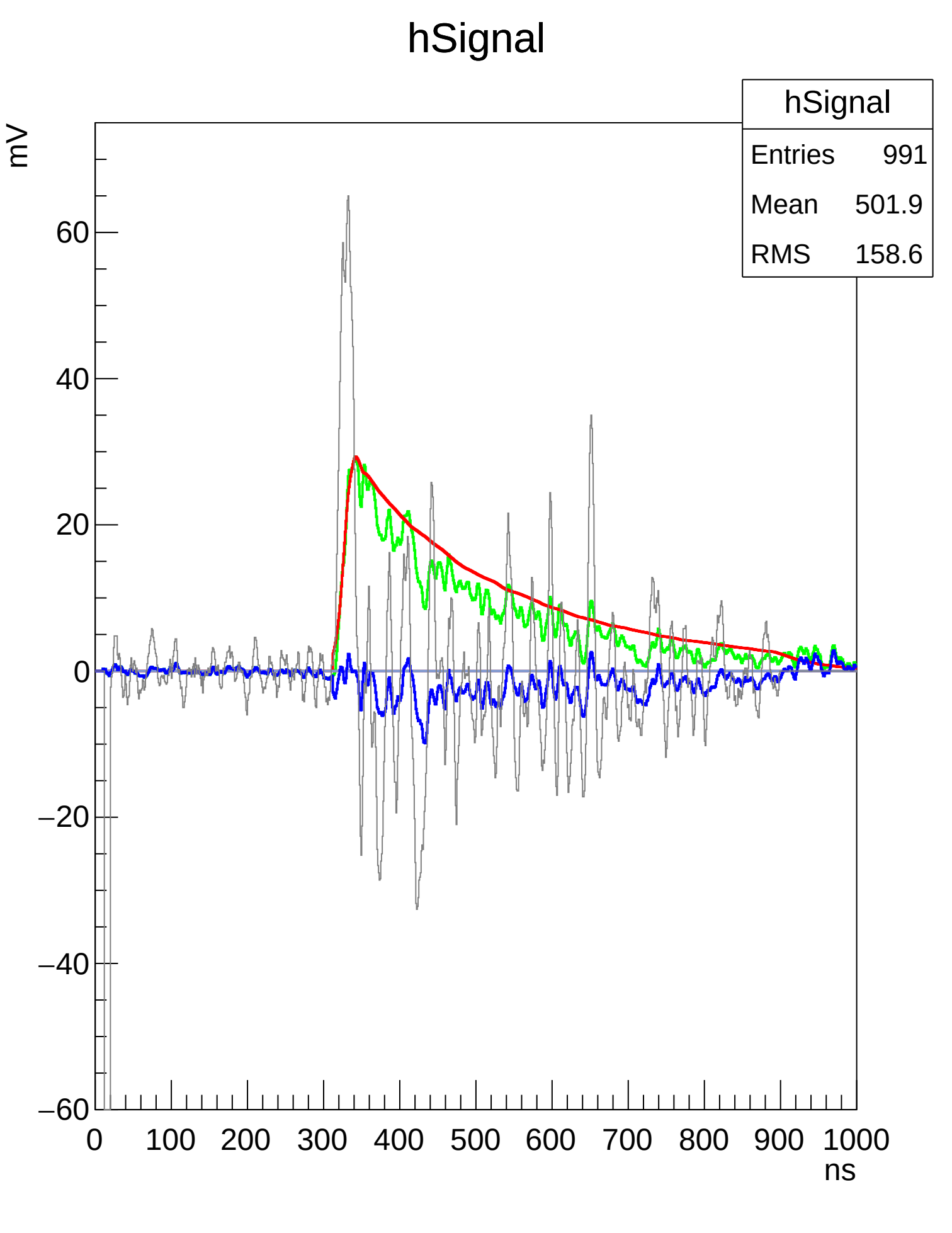
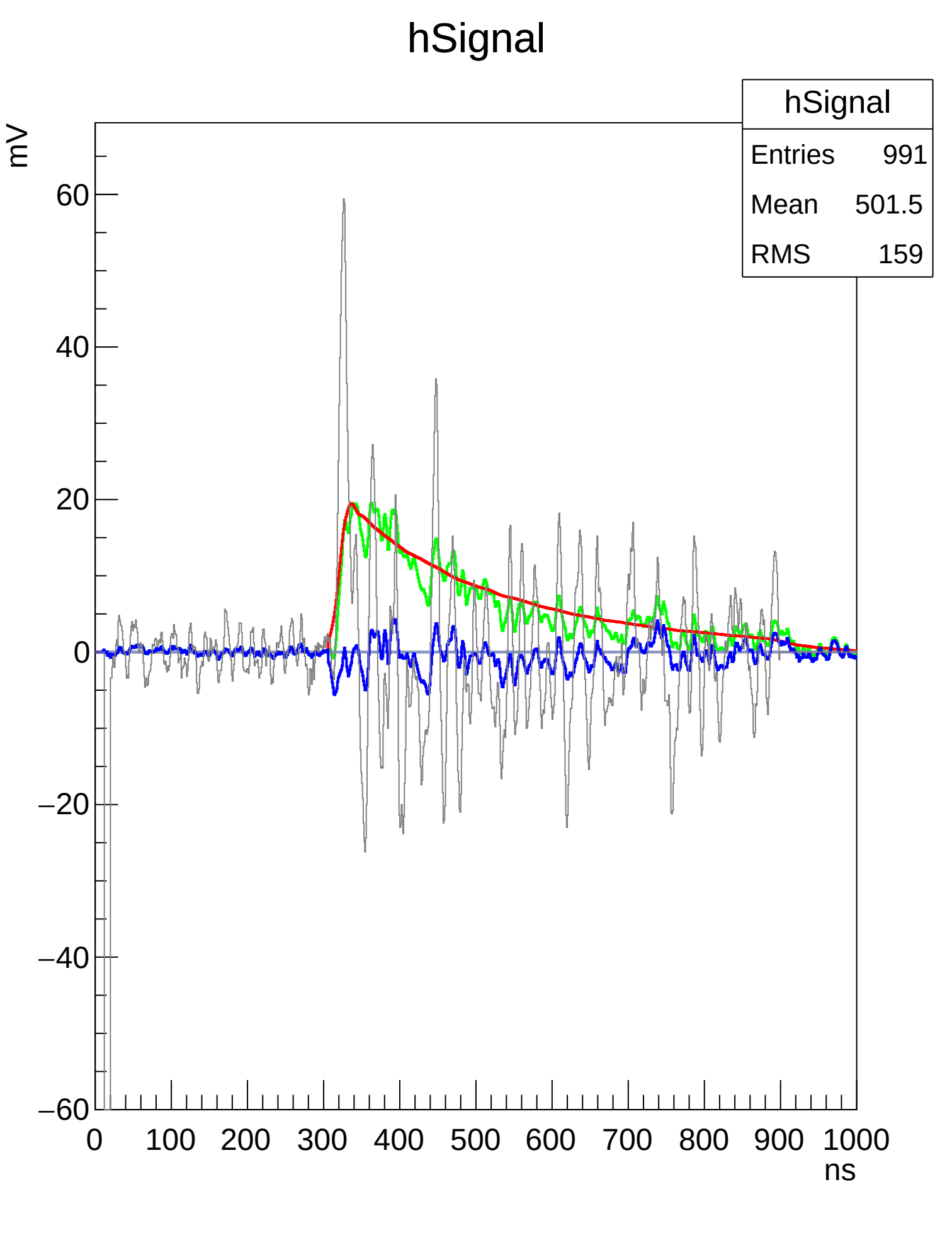
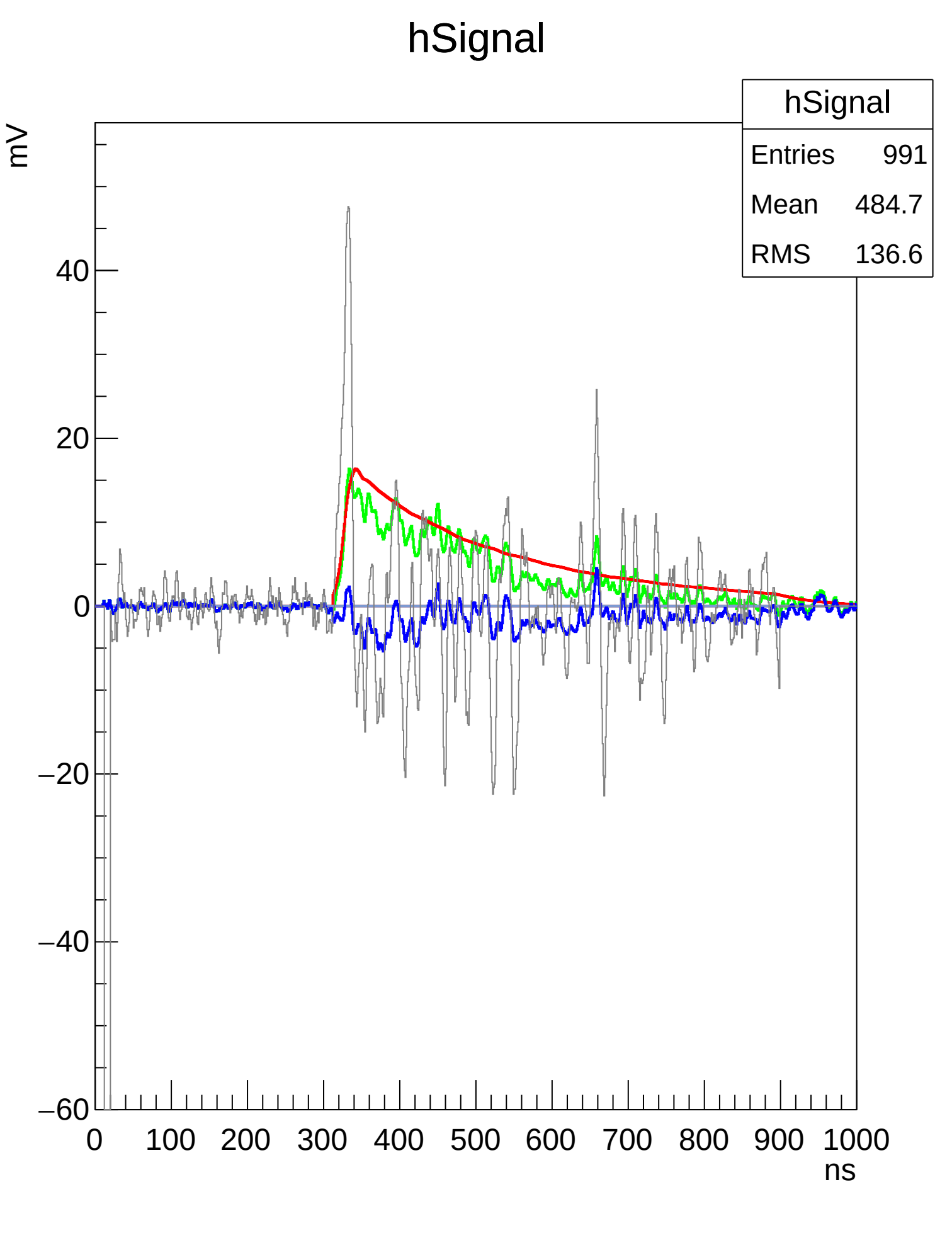
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.9
RMS 158.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.5
RMS 159
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 484.7
RMS 136.6
mV
40
20
0
−20
−40
−60
0
100
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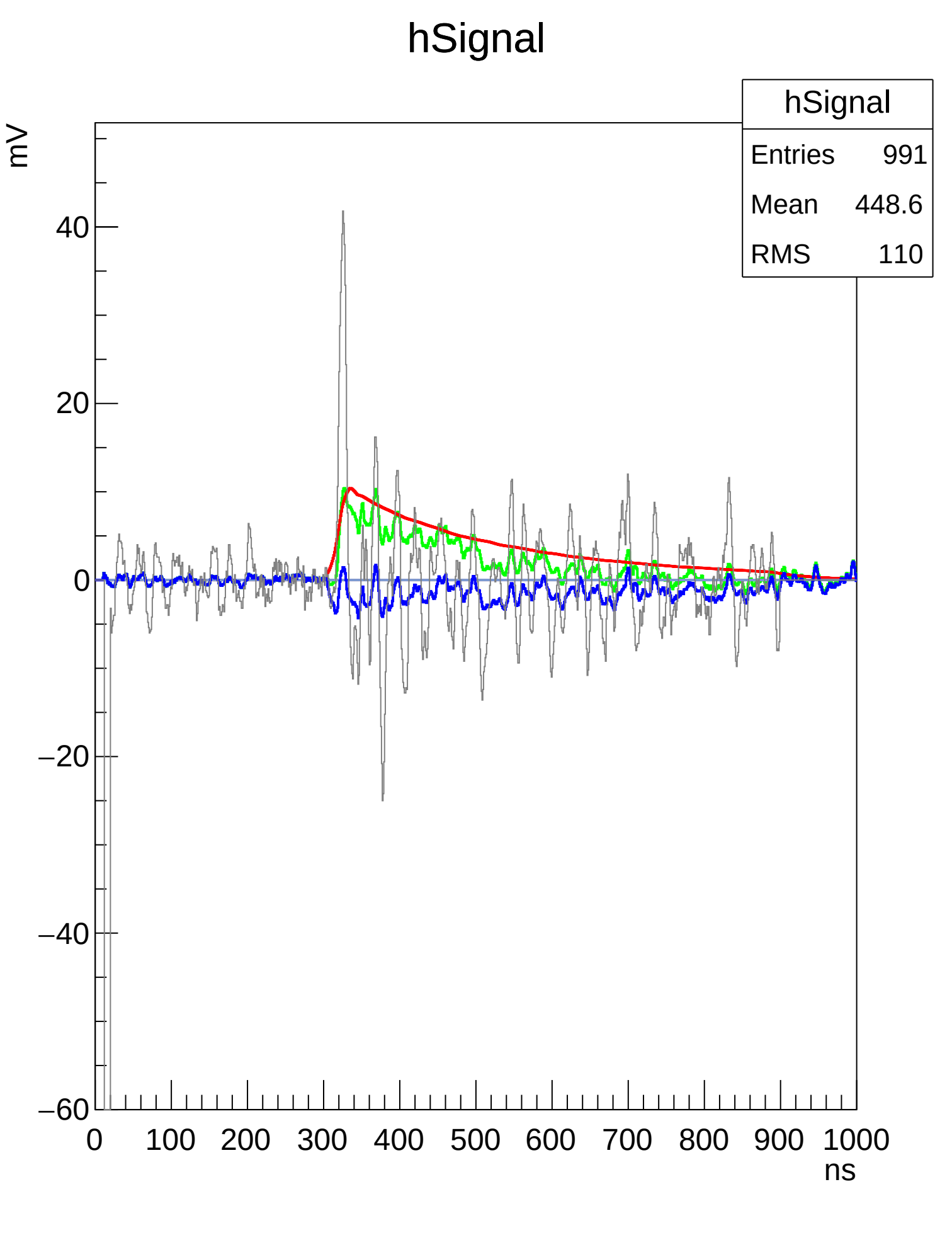
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 448.6
RMS 110
mV
40
20
0
−20
−40
−60
0
100
200
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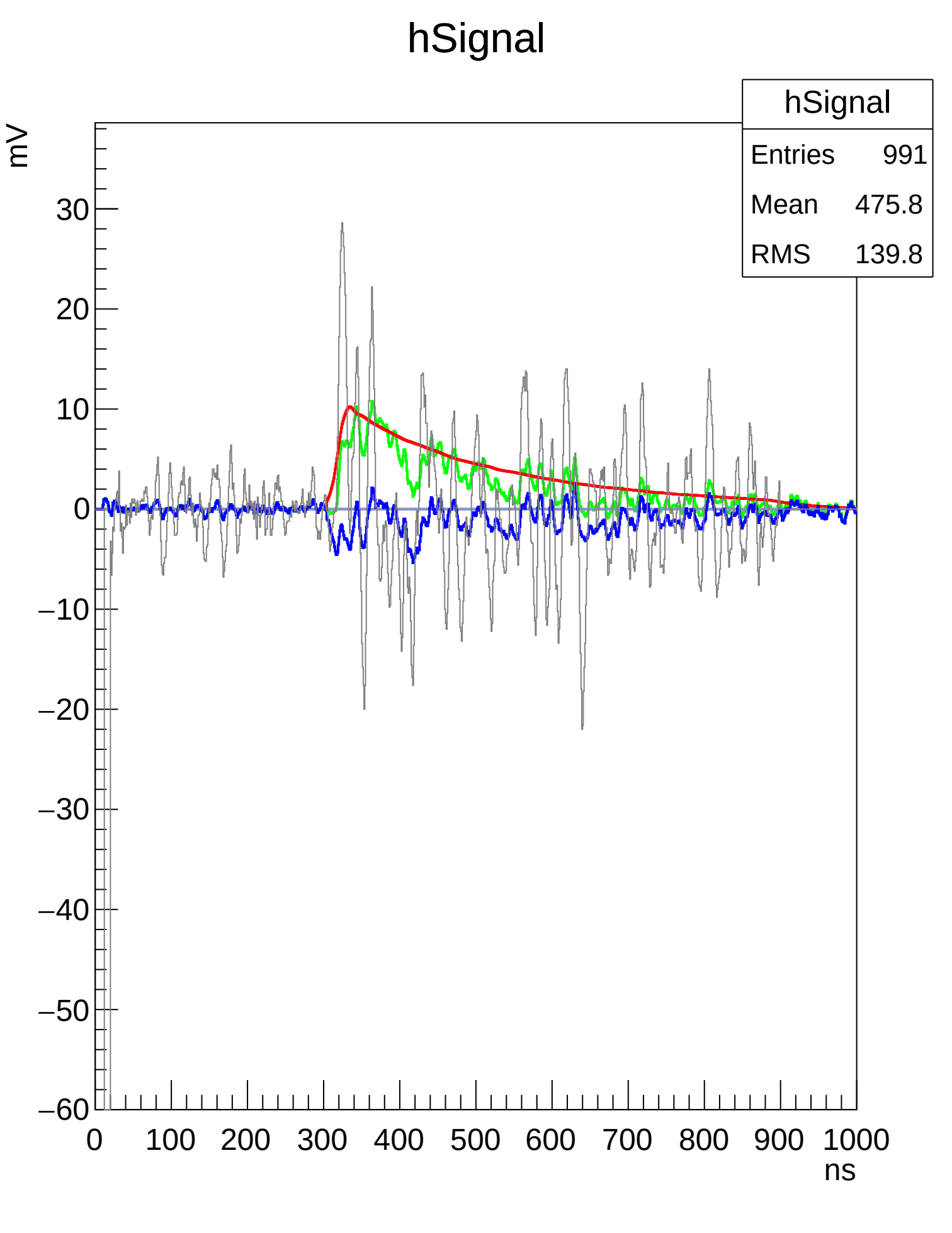
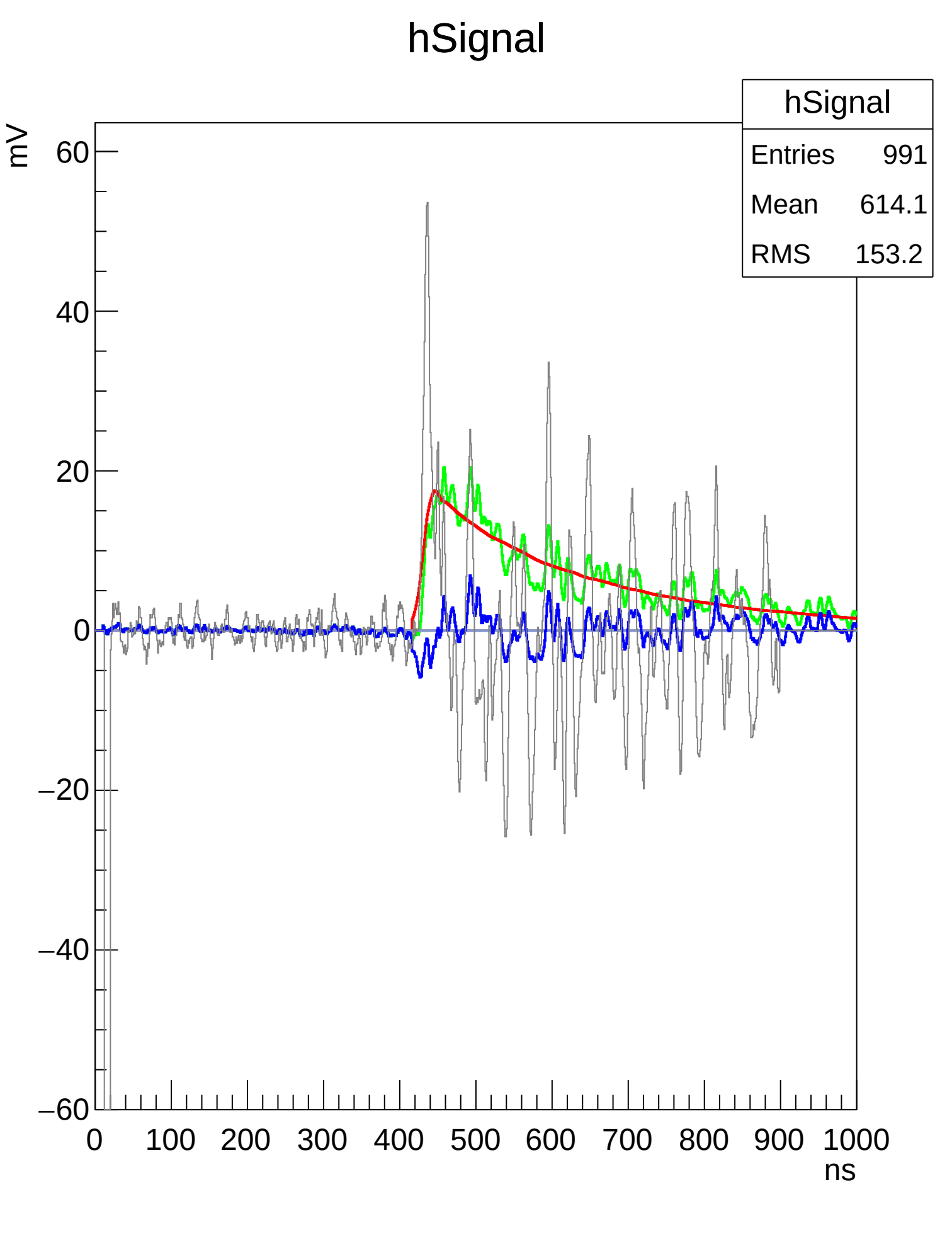
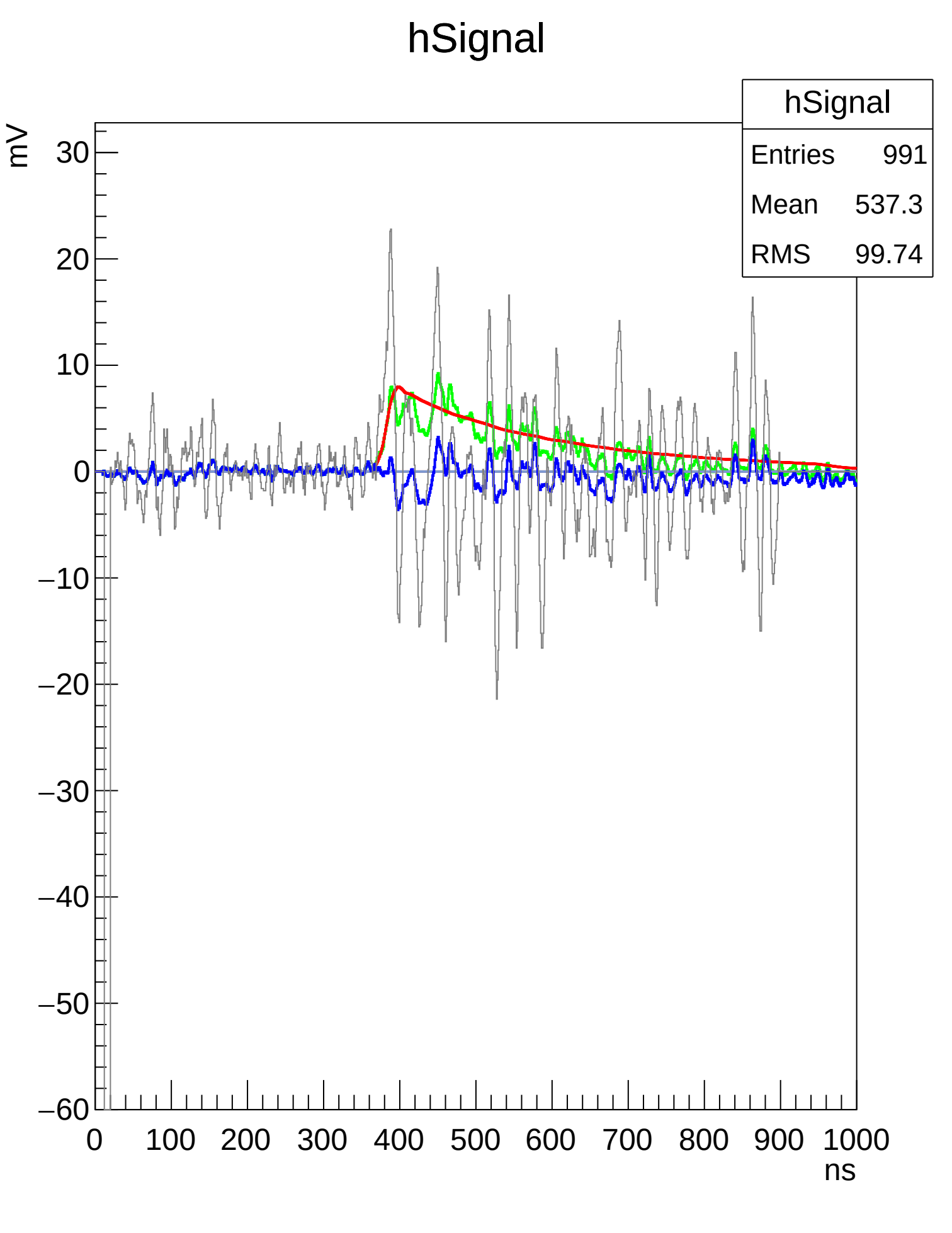
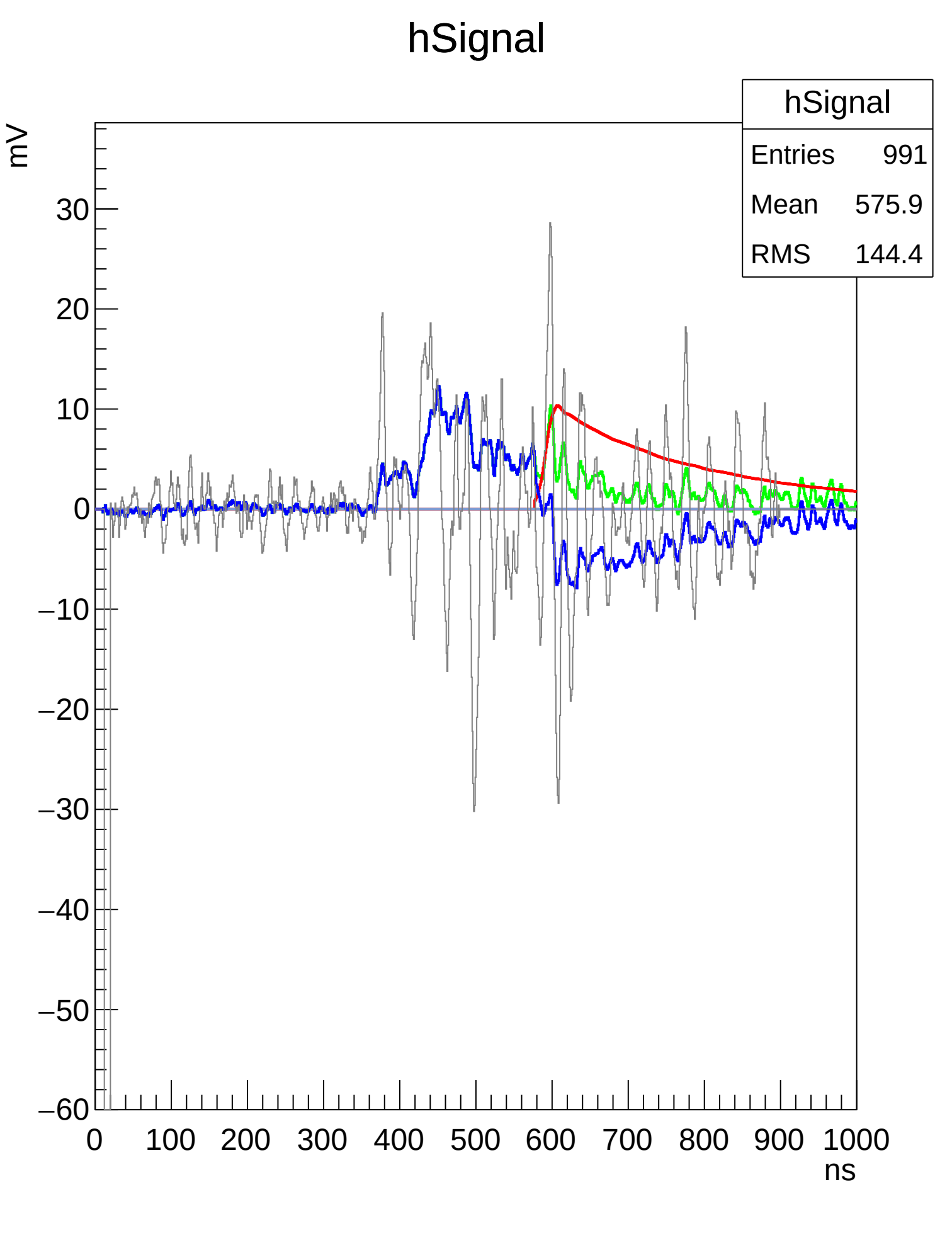
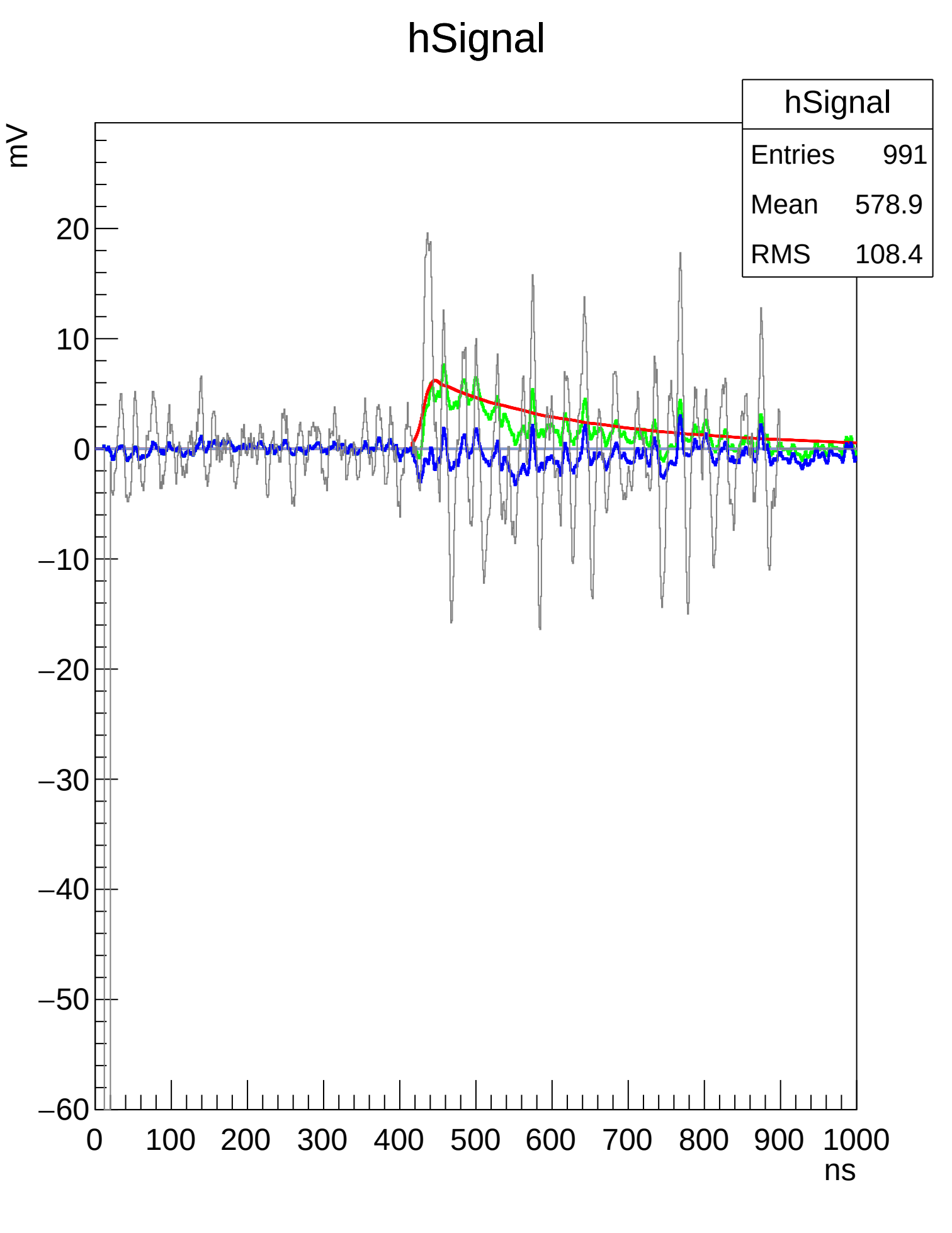
600
700
800
900
1000
ns

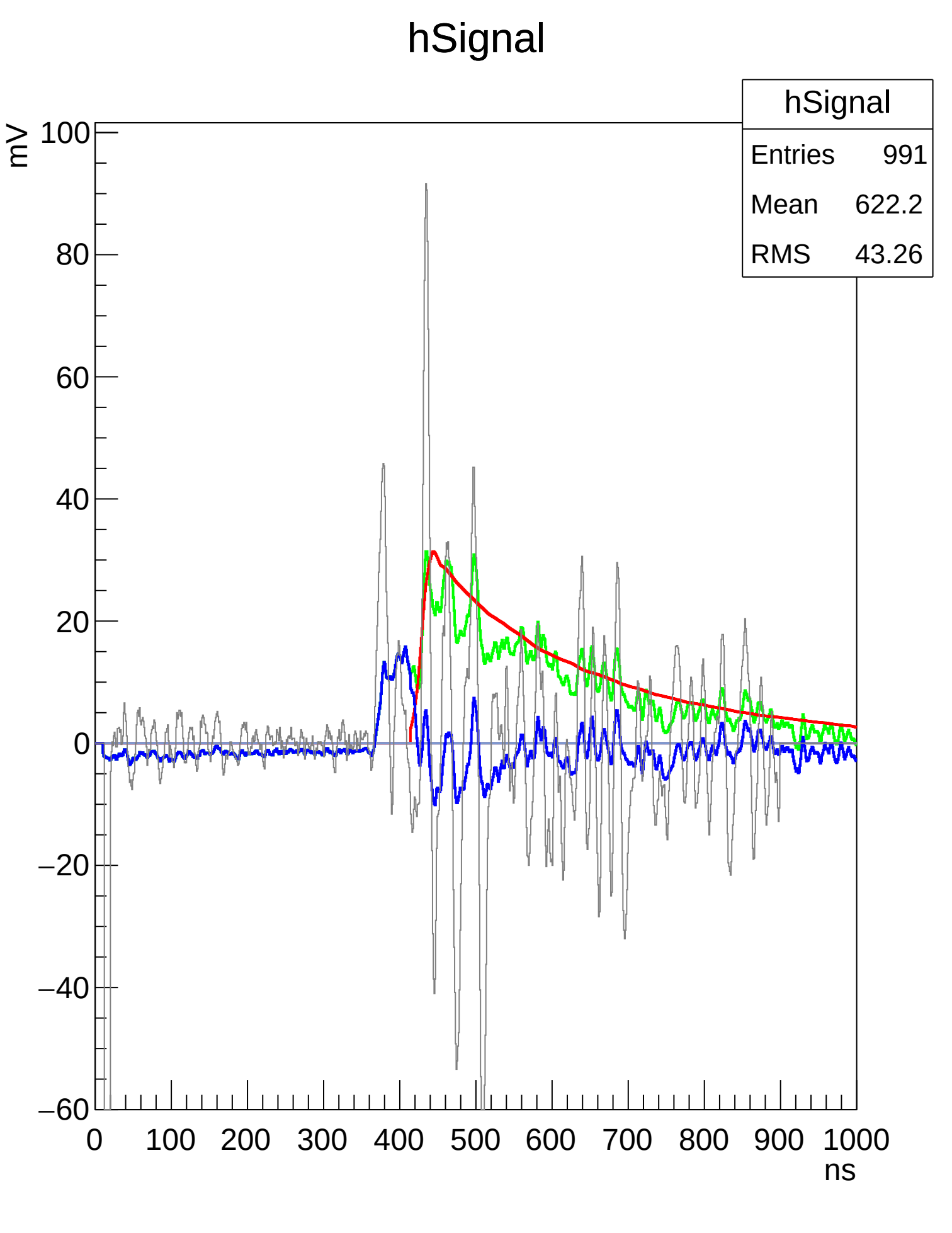

hSignal
hSignal
Entries 991
Mean 475.8
RMS 139.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

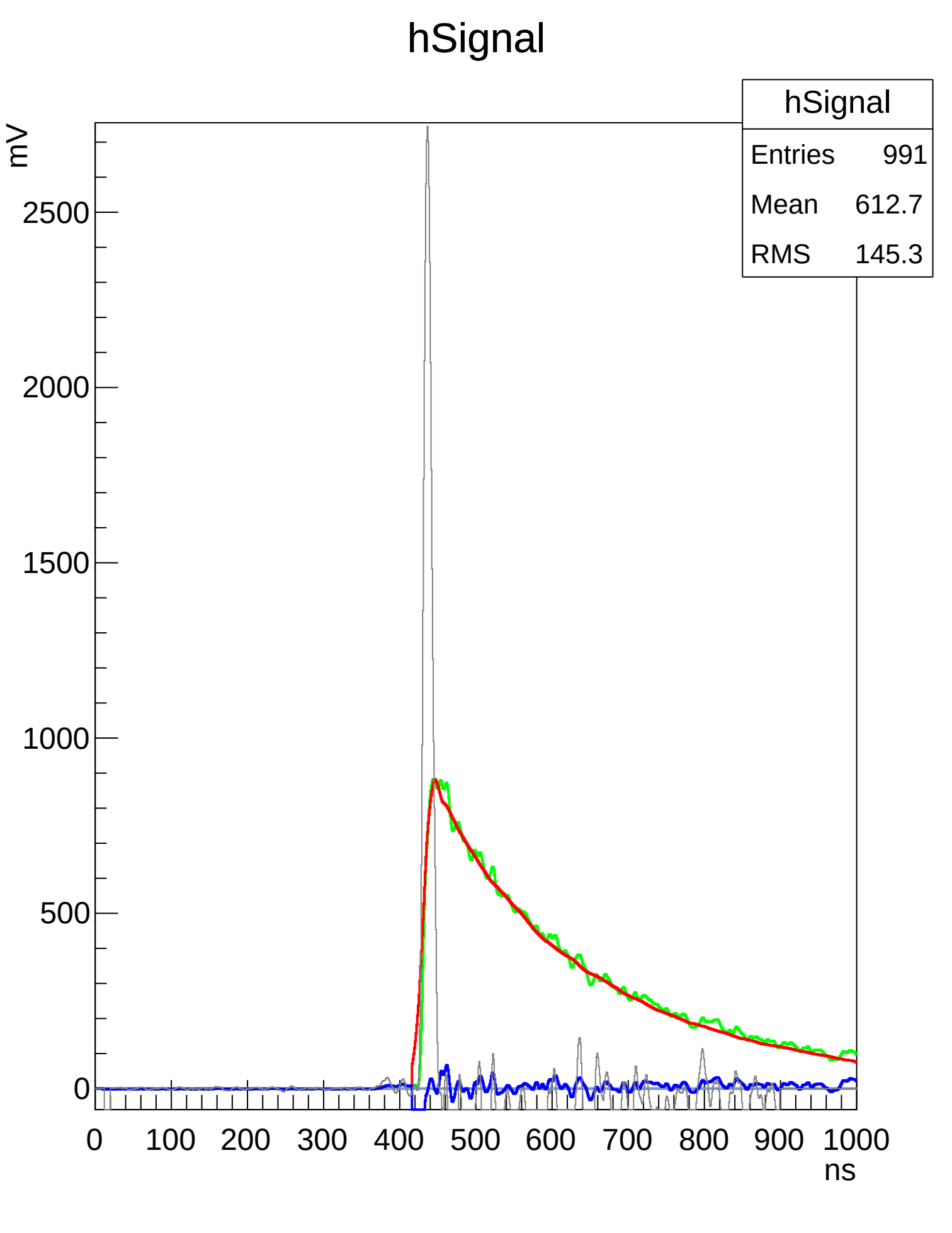

hSignal
hSignal
Entries 991
Mean 614.1
RMS 153.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

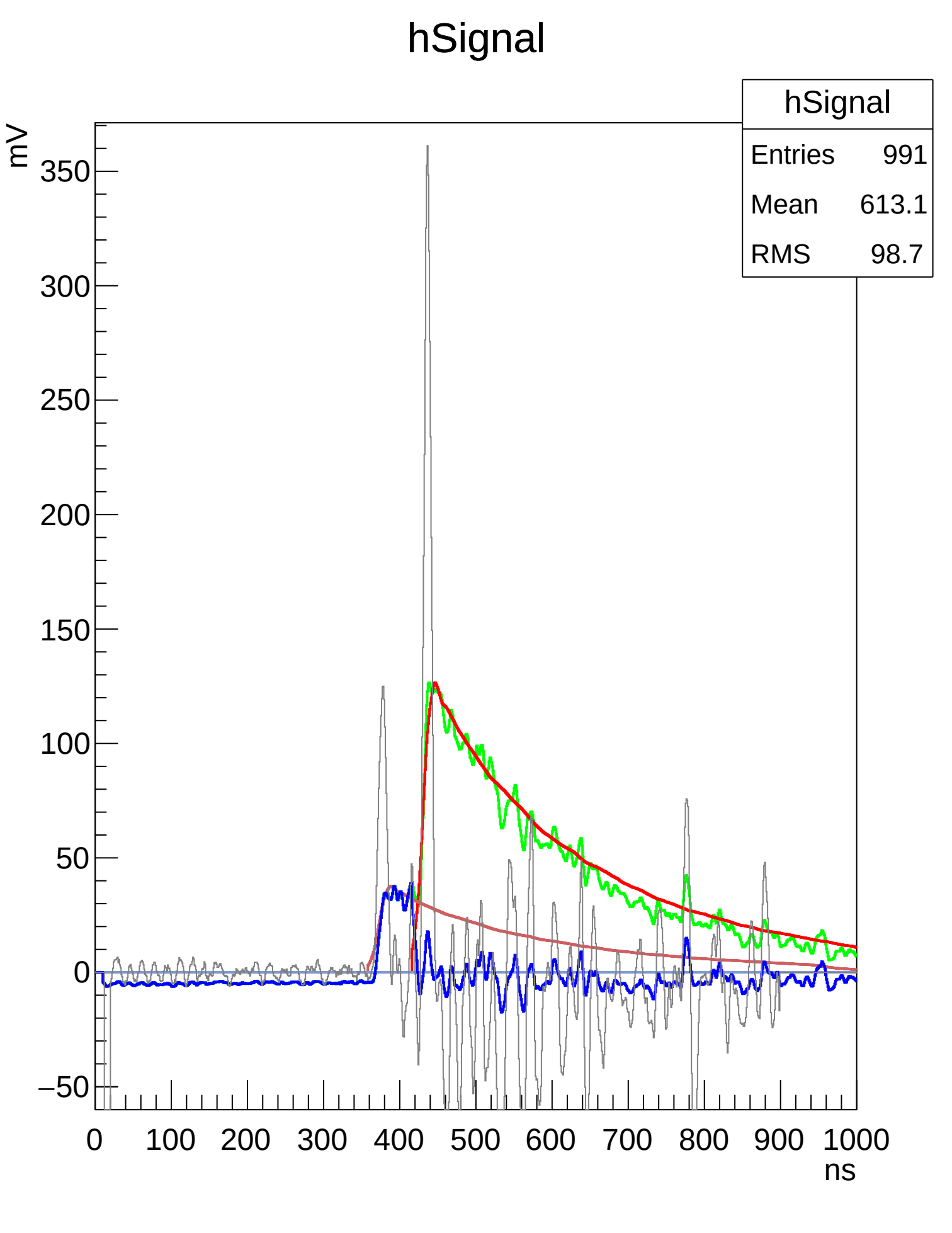

hSignal
hSignal
Entries 991
Mean 537.3
RMS 99.74
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

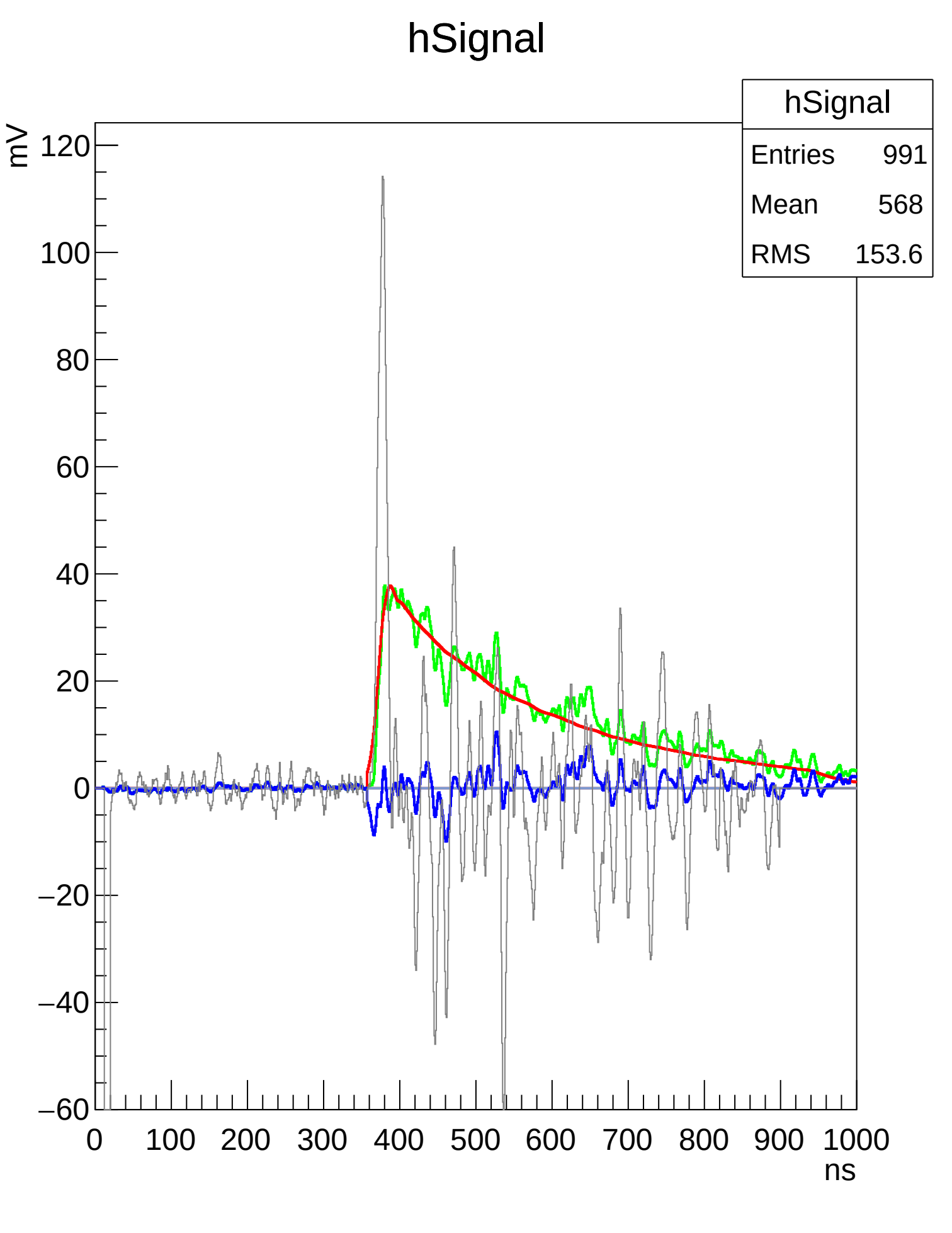

hSignal
hSignal
Entries 991
Mean 575.9
RMS 144.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

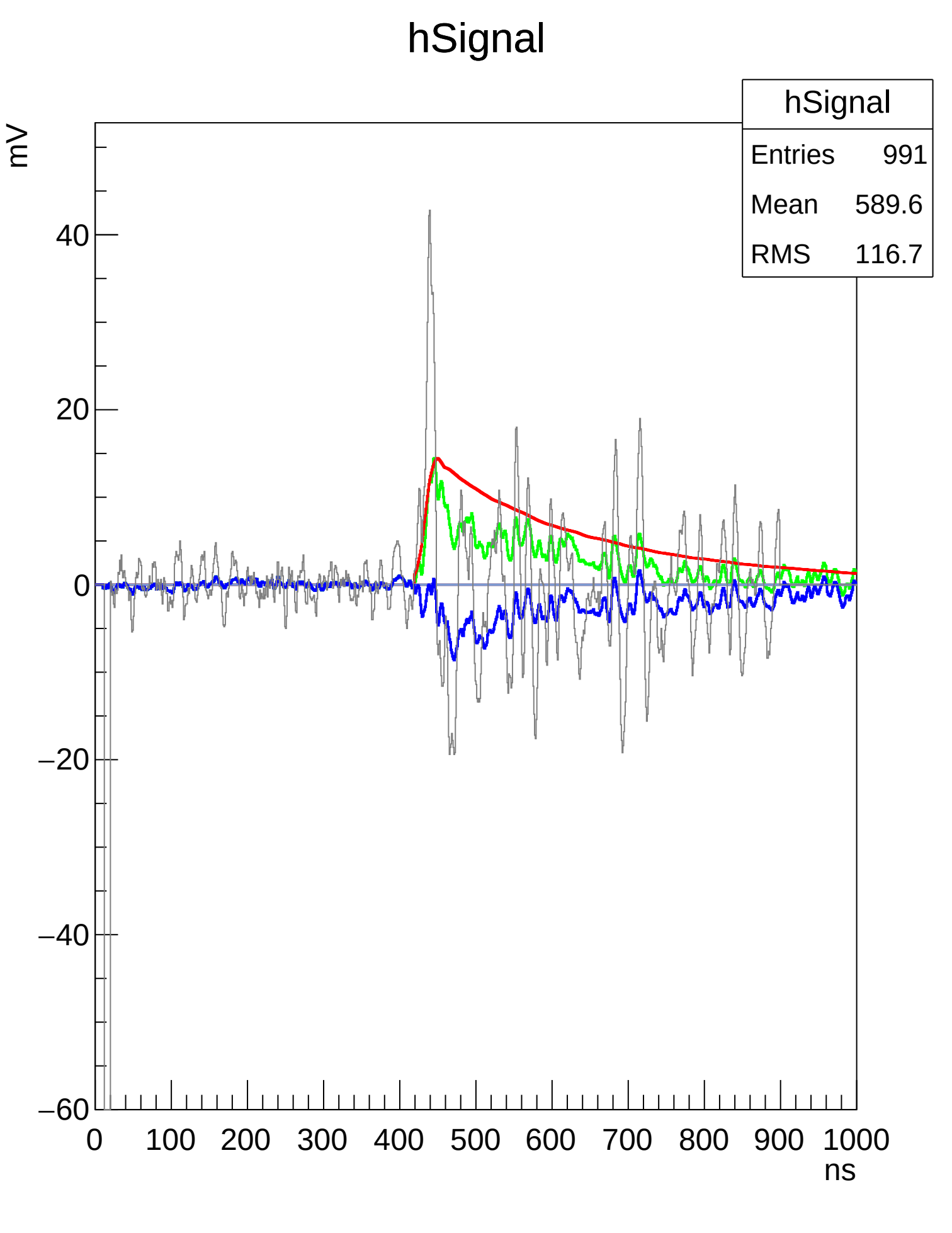

hSignal
hSignal
Entries 991
Mean 578.9
RMS 108.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

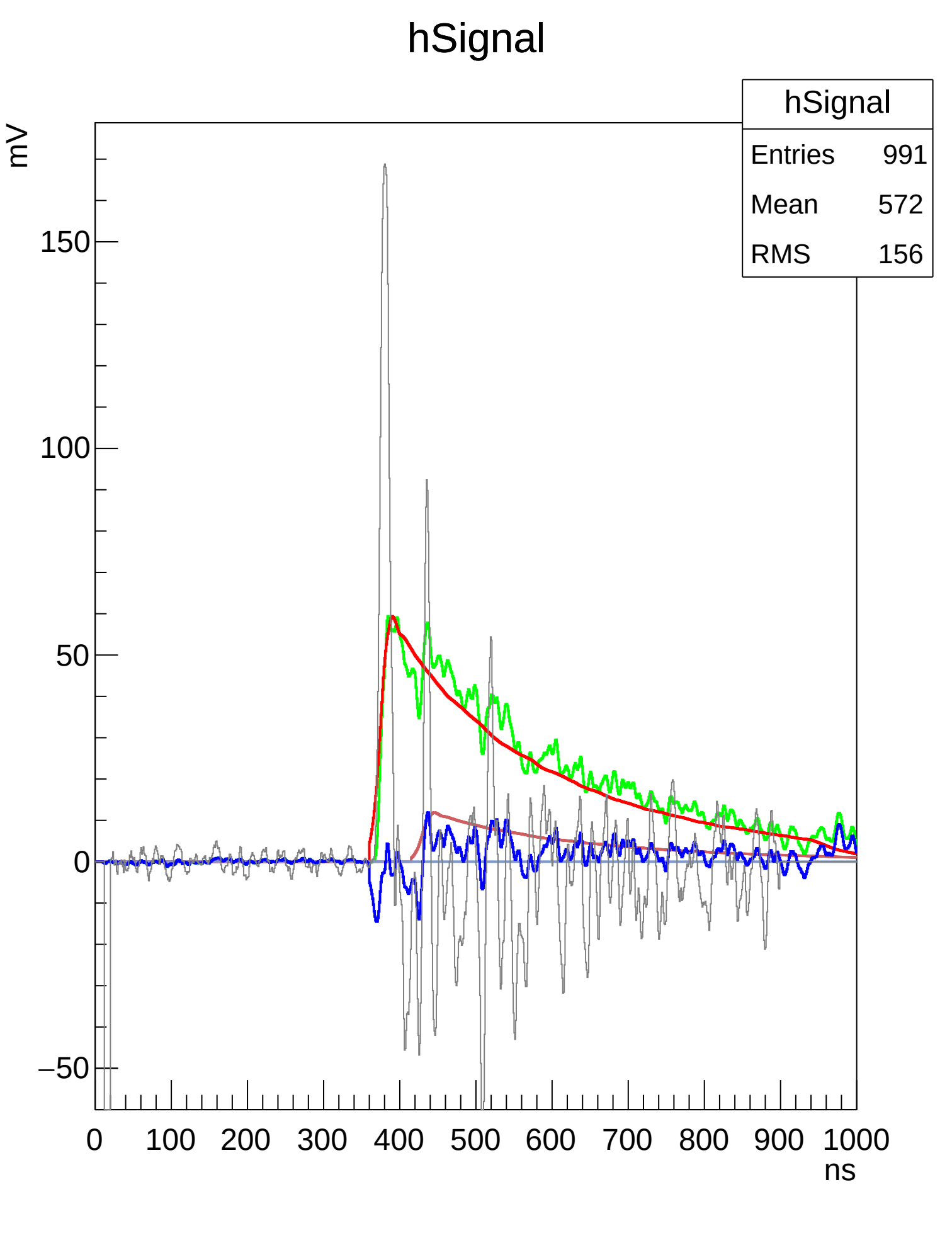

hSignal
hSignal
Entries 991
Mean 622.2
RMS 43.26
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.7
RMS 145.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 613.1
RMS 98.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568
RMS 153.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.6
RMS 116.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572
RMS 156
mV
150
100
50
0
−50
0
100
200
300
400
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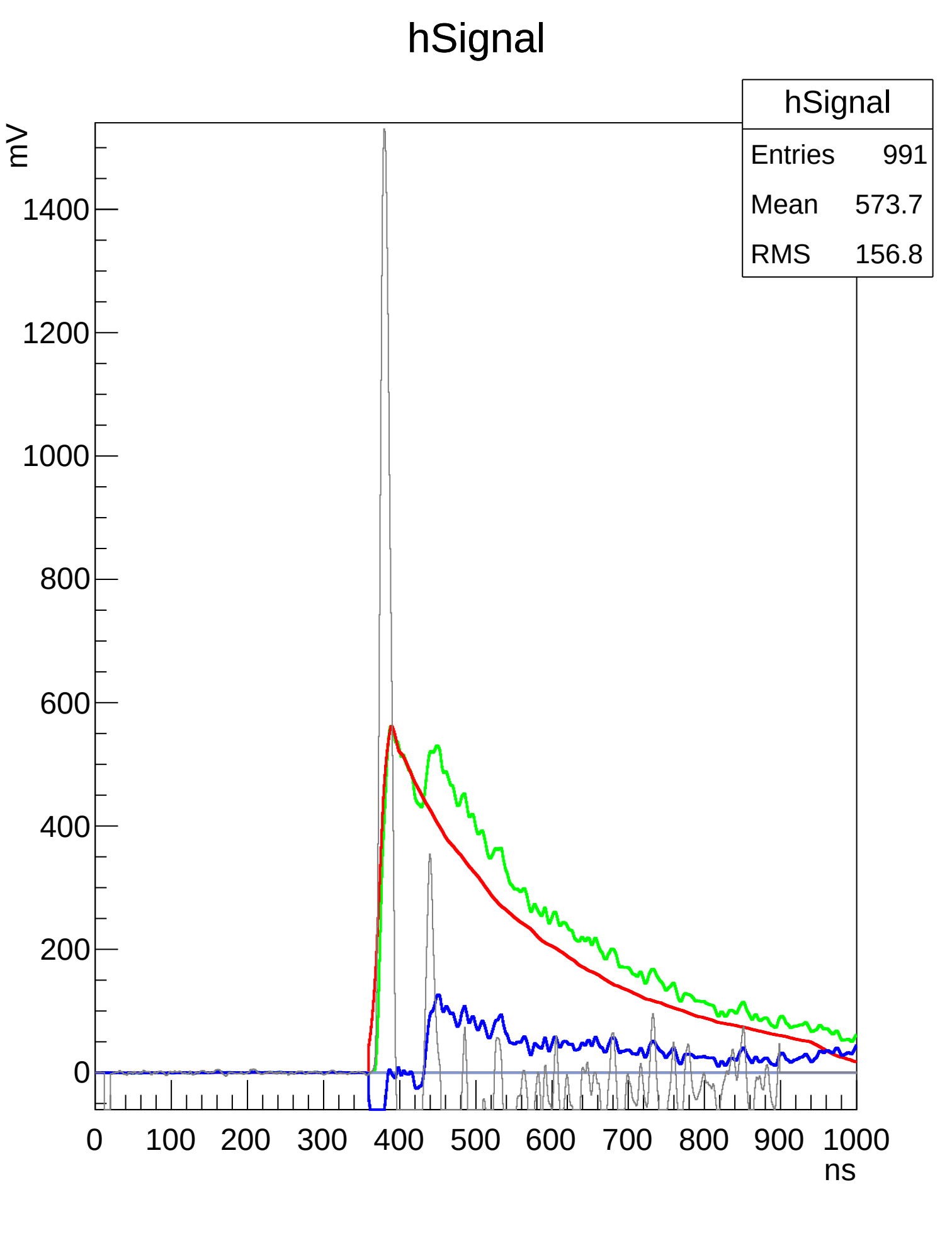
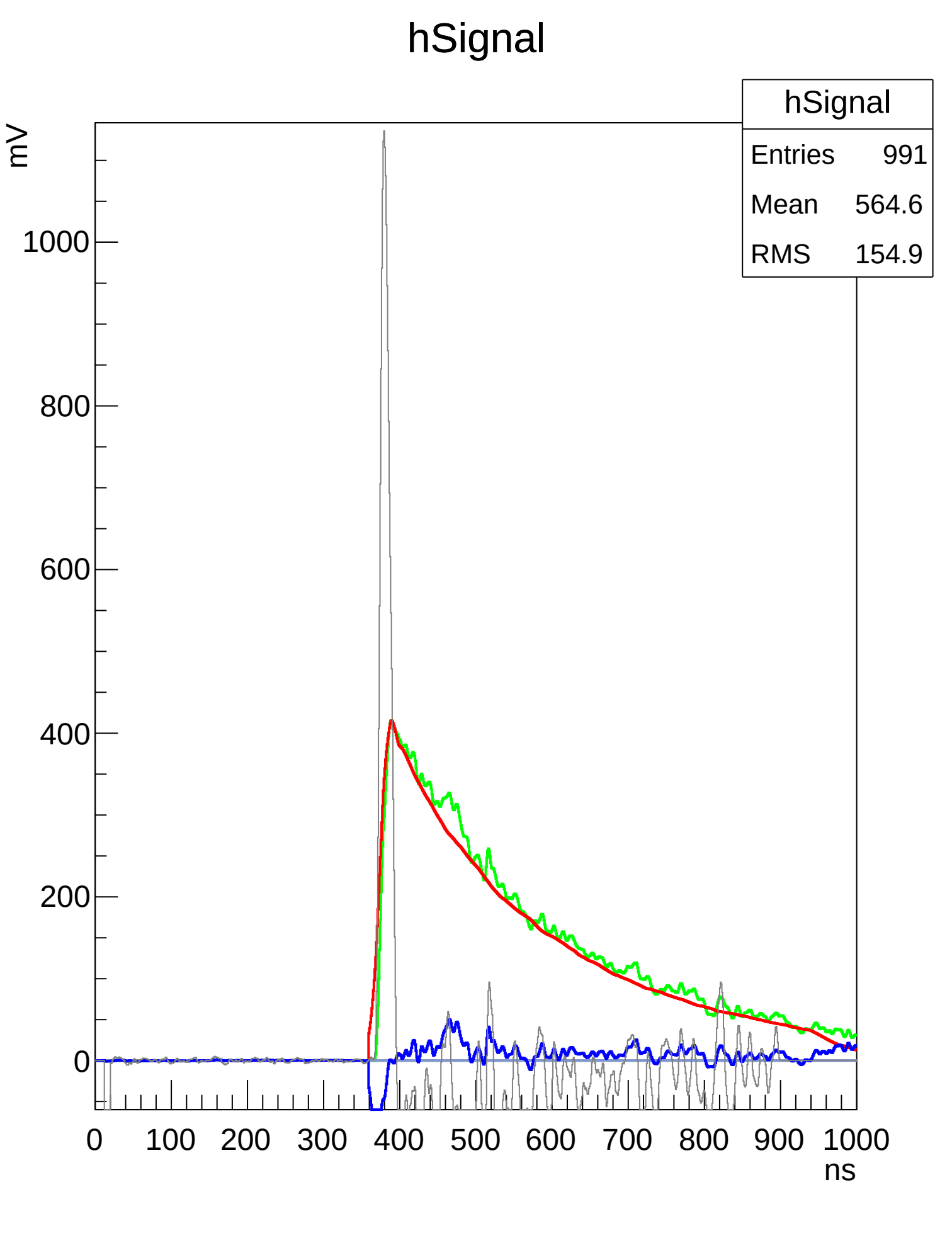
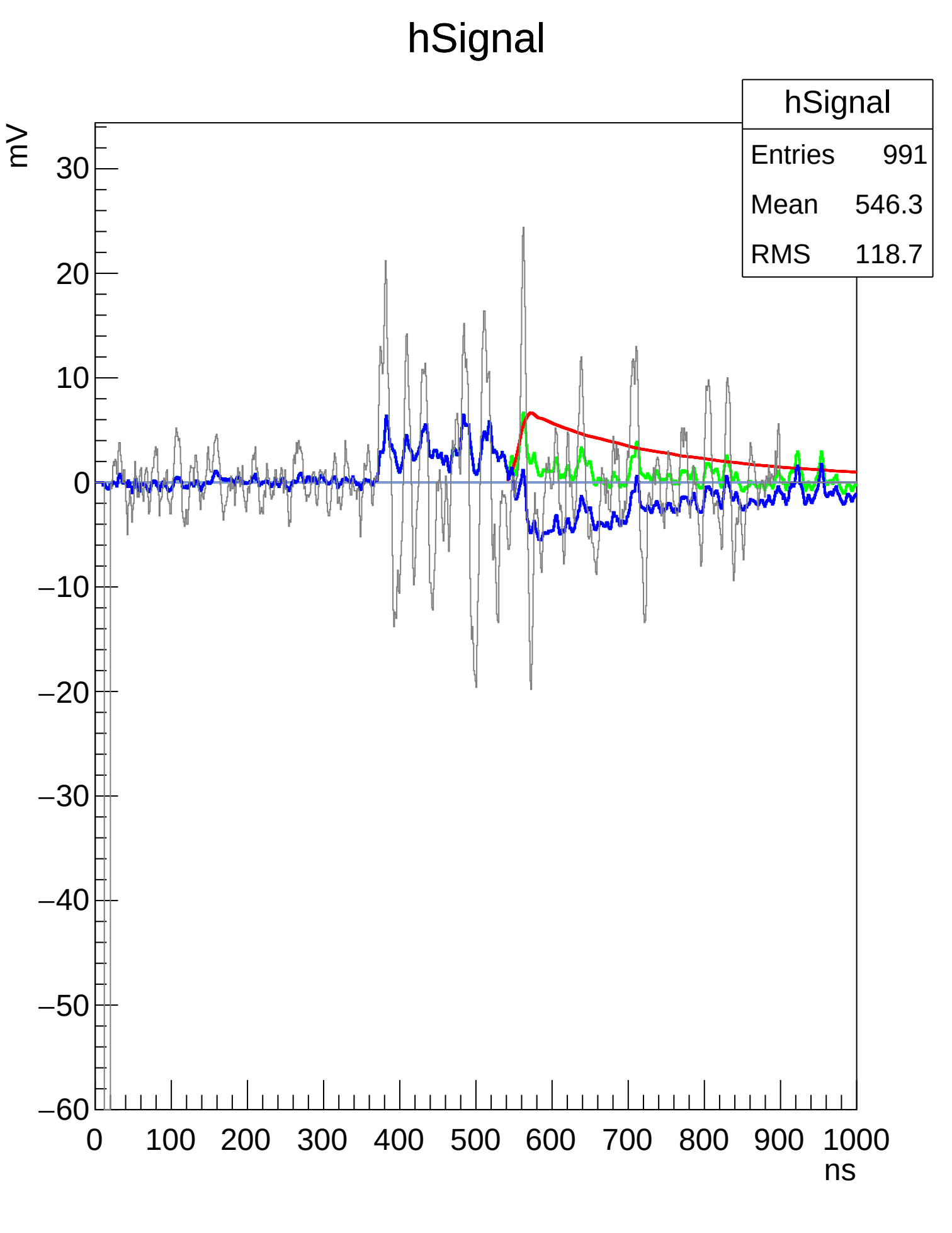
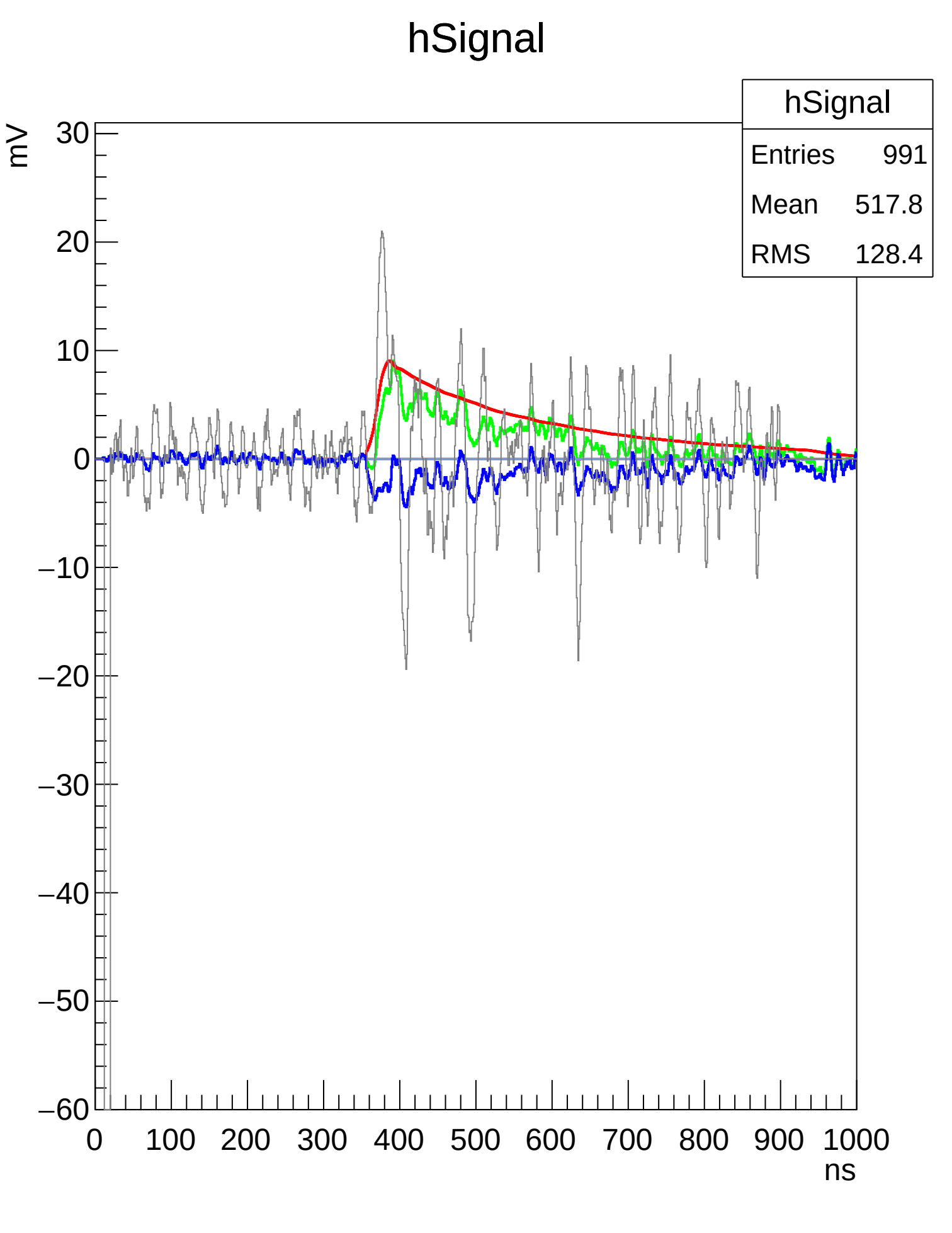
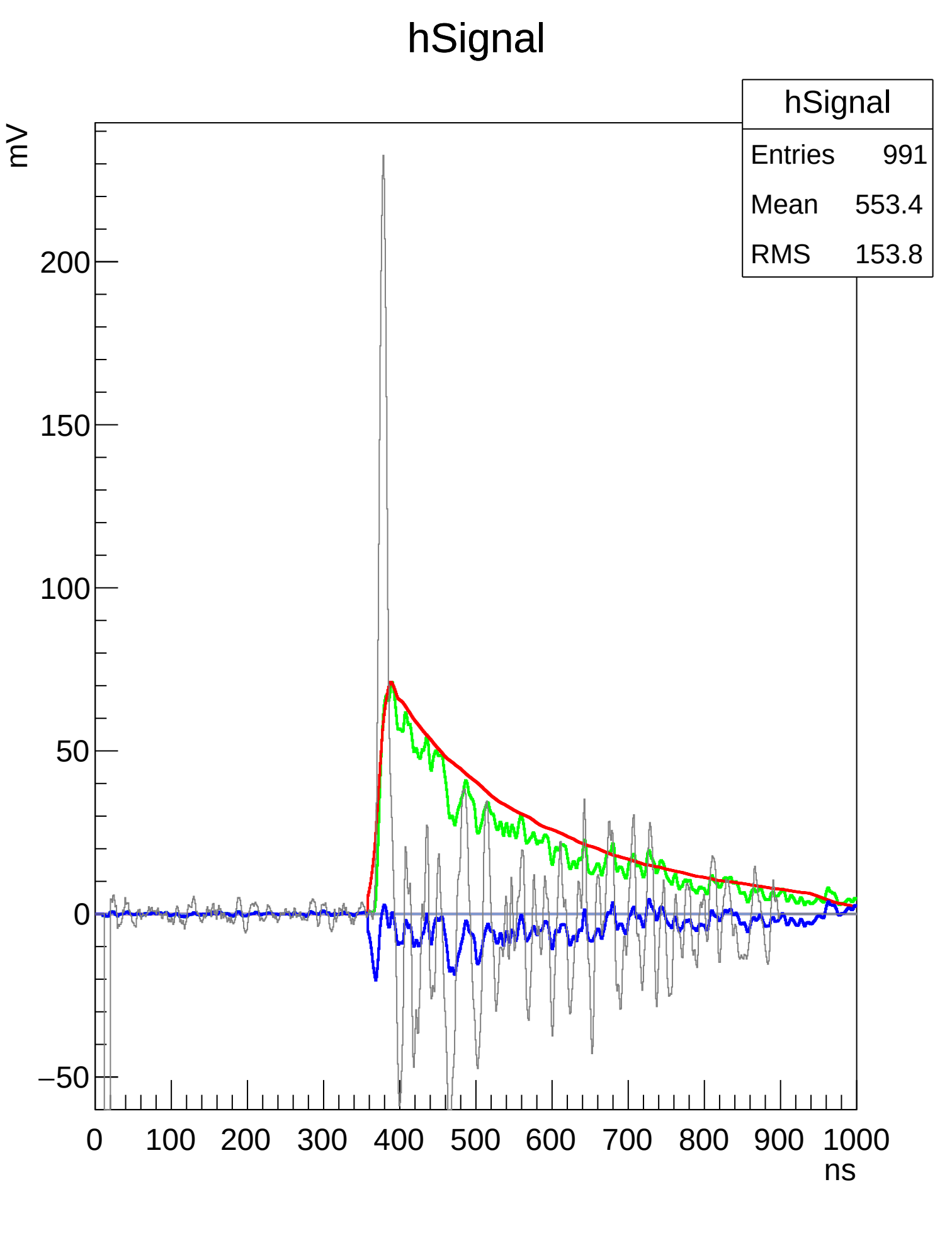
600
700
800
900
1000
ns

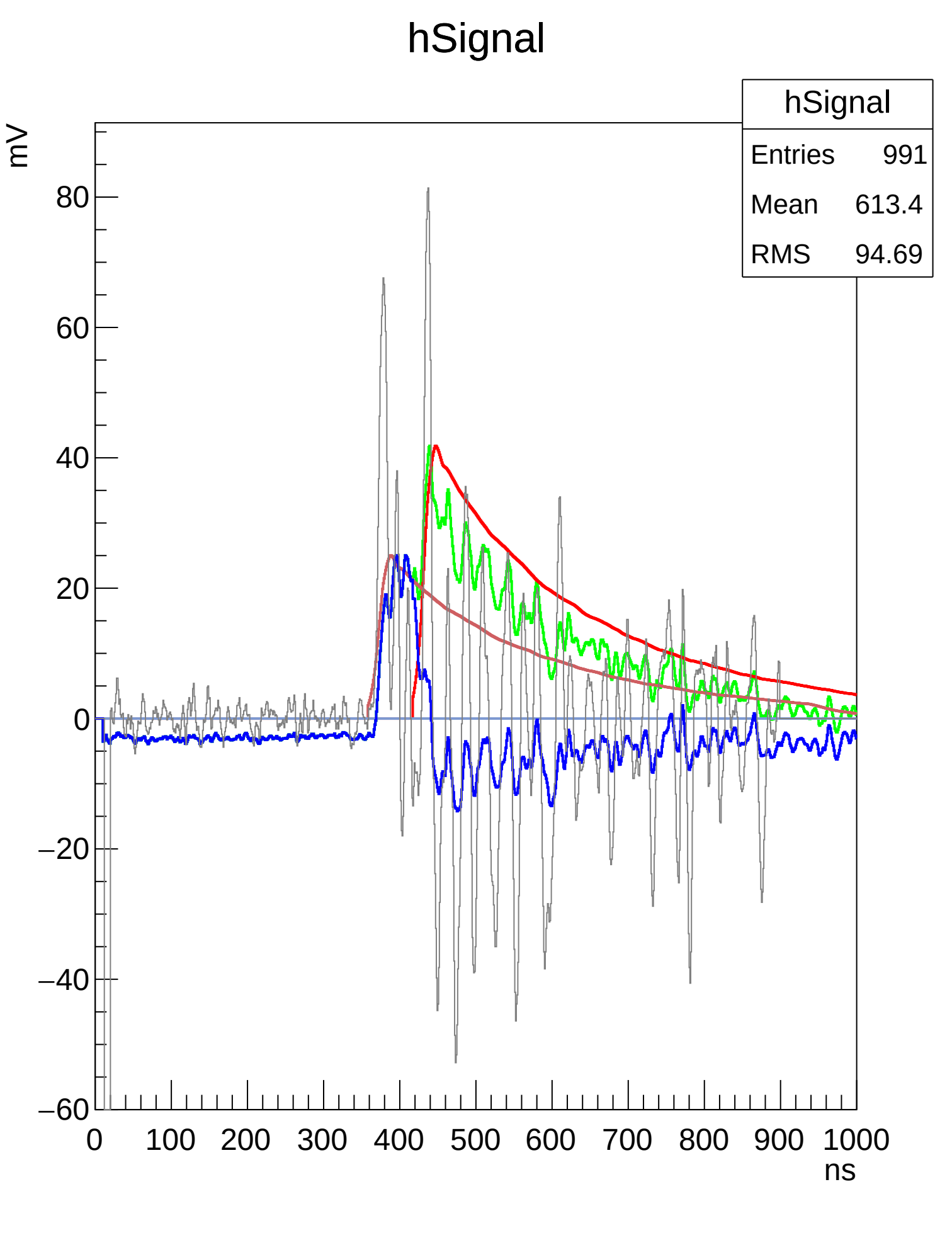

hSignal
hSignal
Entries 991
Mean 573.7
RMS 156.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.6
RMS 154.9
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 546.3
RMS 118.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.8
RMS 128.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.4
RMS 153.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.4
RMS 94.69
mV
80
60
40
20
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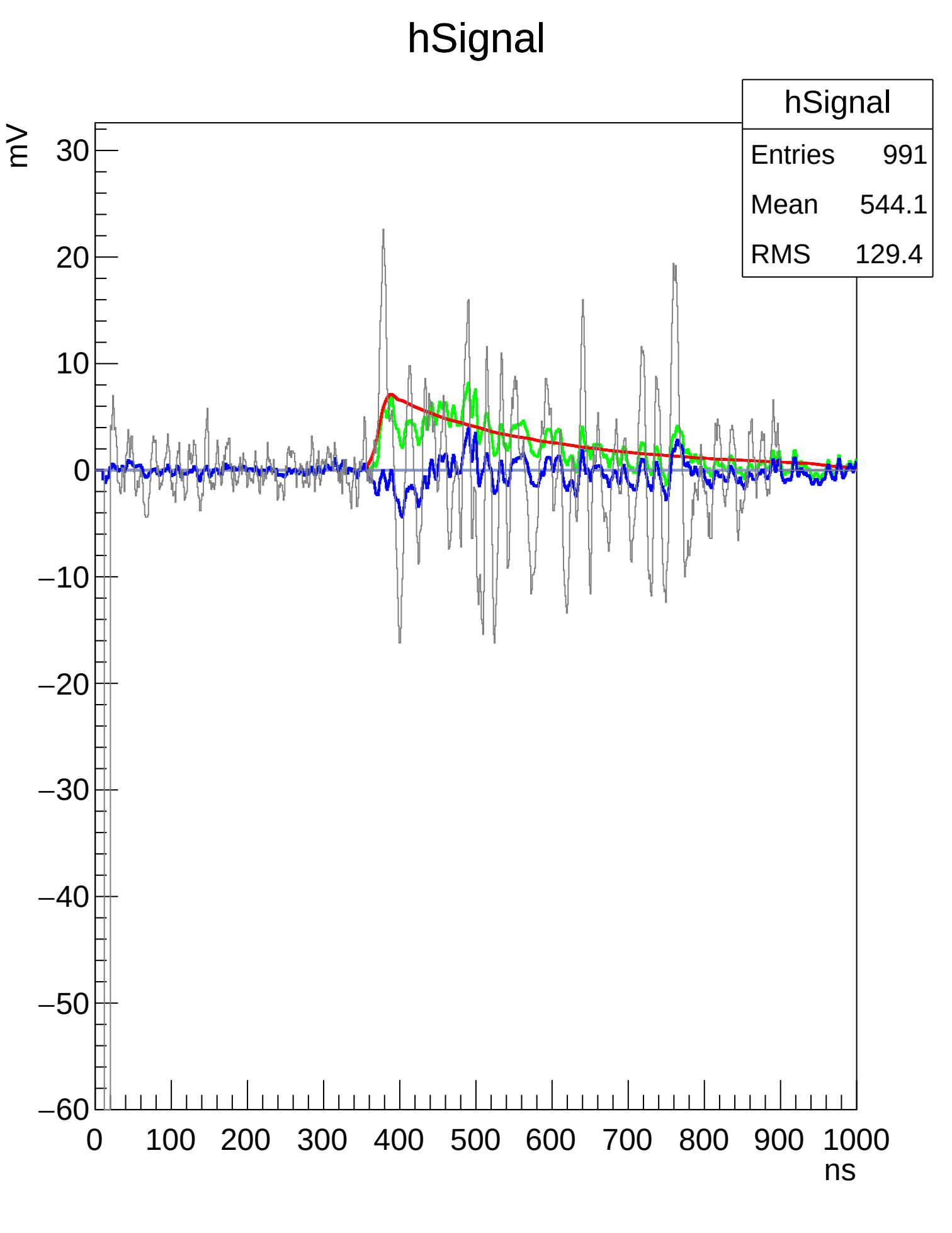
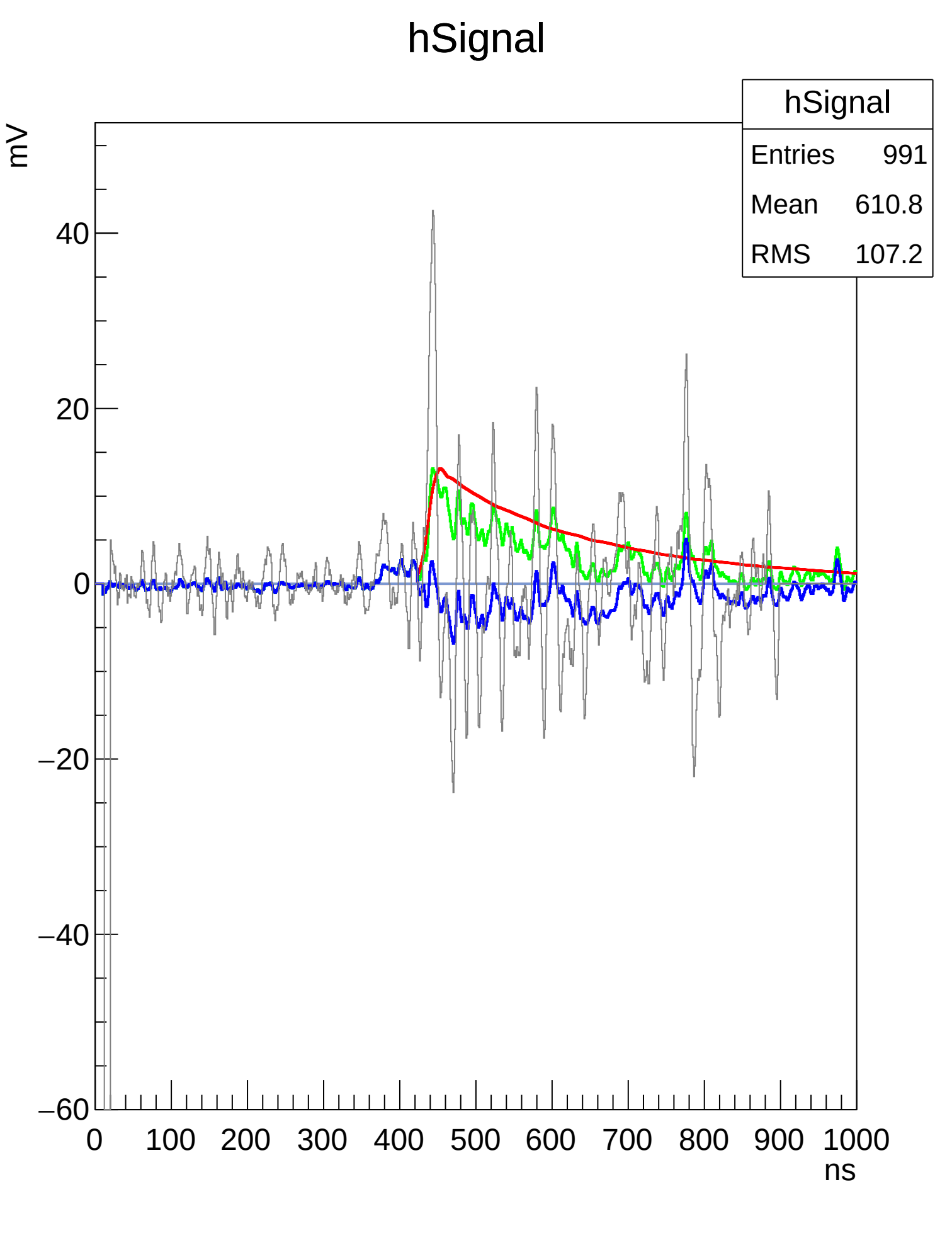
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.1
RMS 129.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.8
RMS 107.2
mV
40
20
0
−20
−40
−60
0
100
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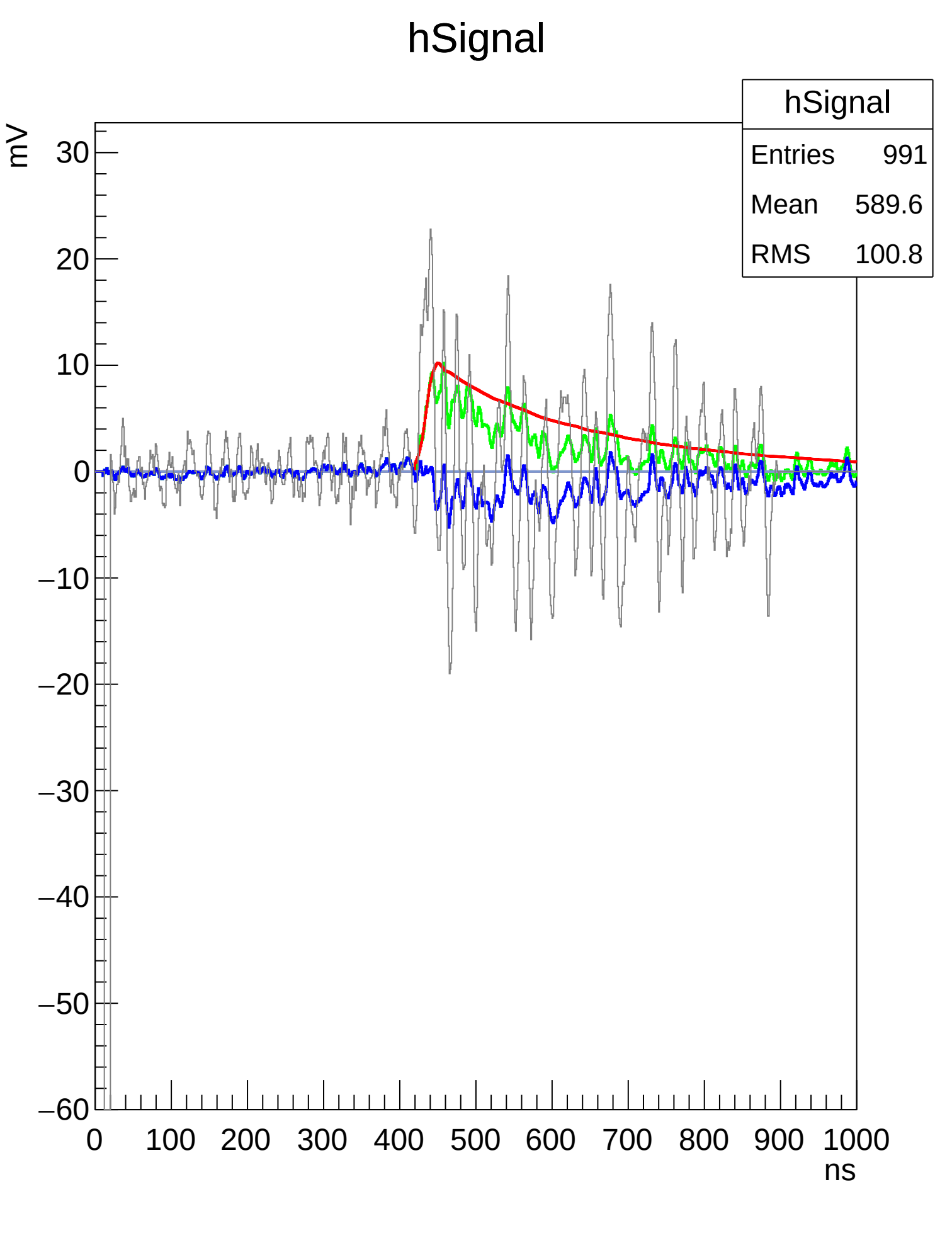
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.6
RMS 100.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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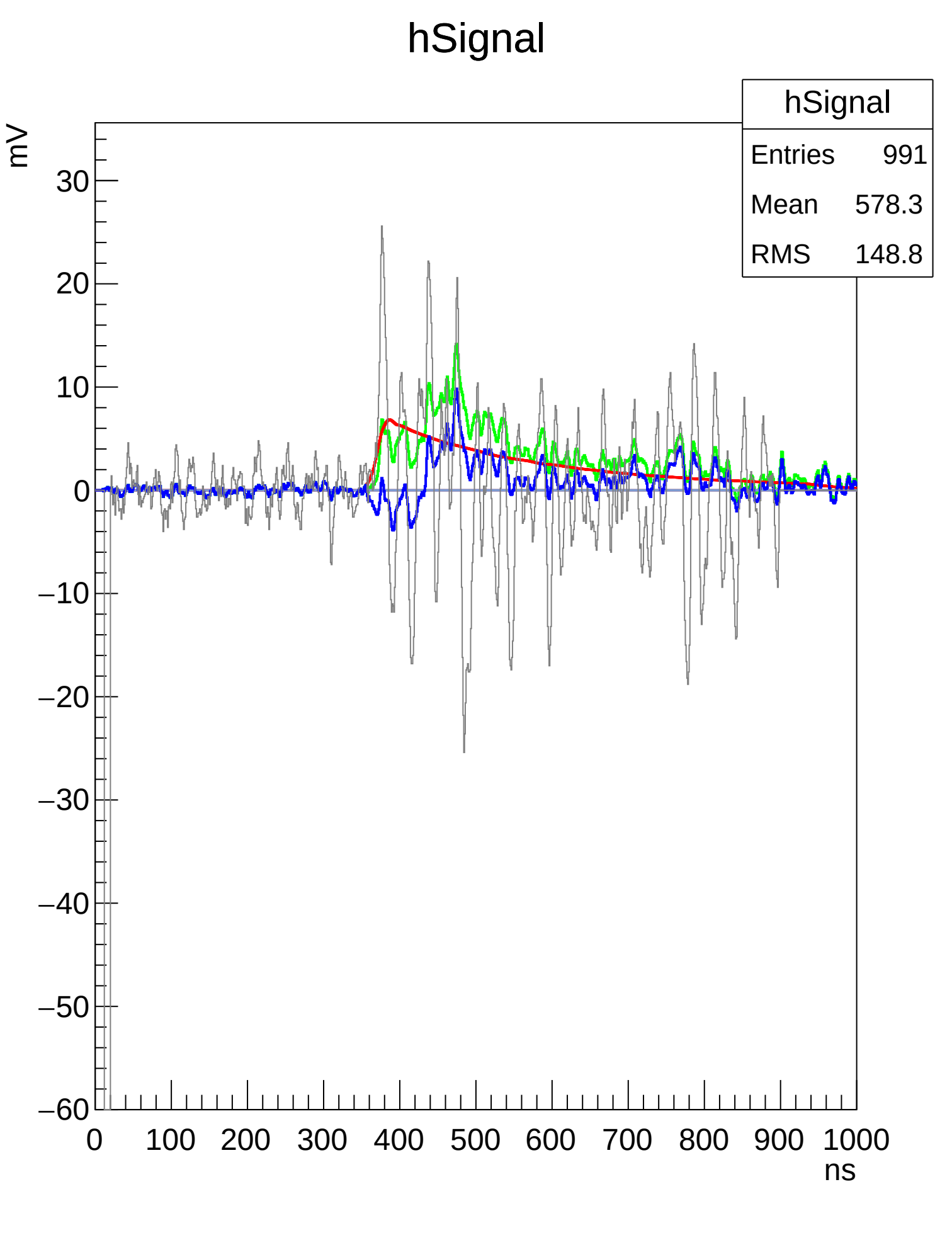
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 148.8
mV
30
20
10
0
−10
−20
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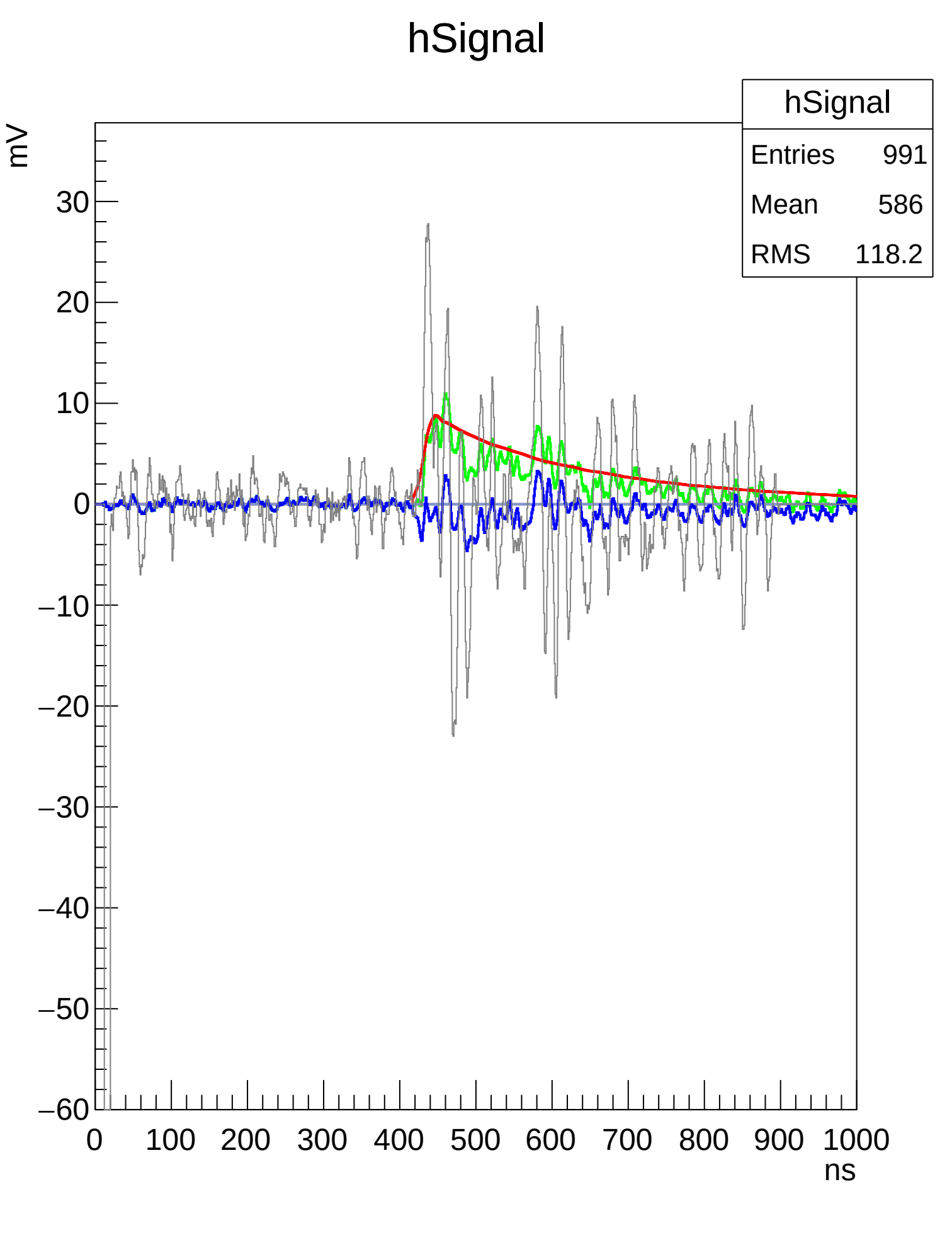
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586
RMS 118.2
mV
30
20
10
0
−10
−20
−30
−40
−50
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100
200
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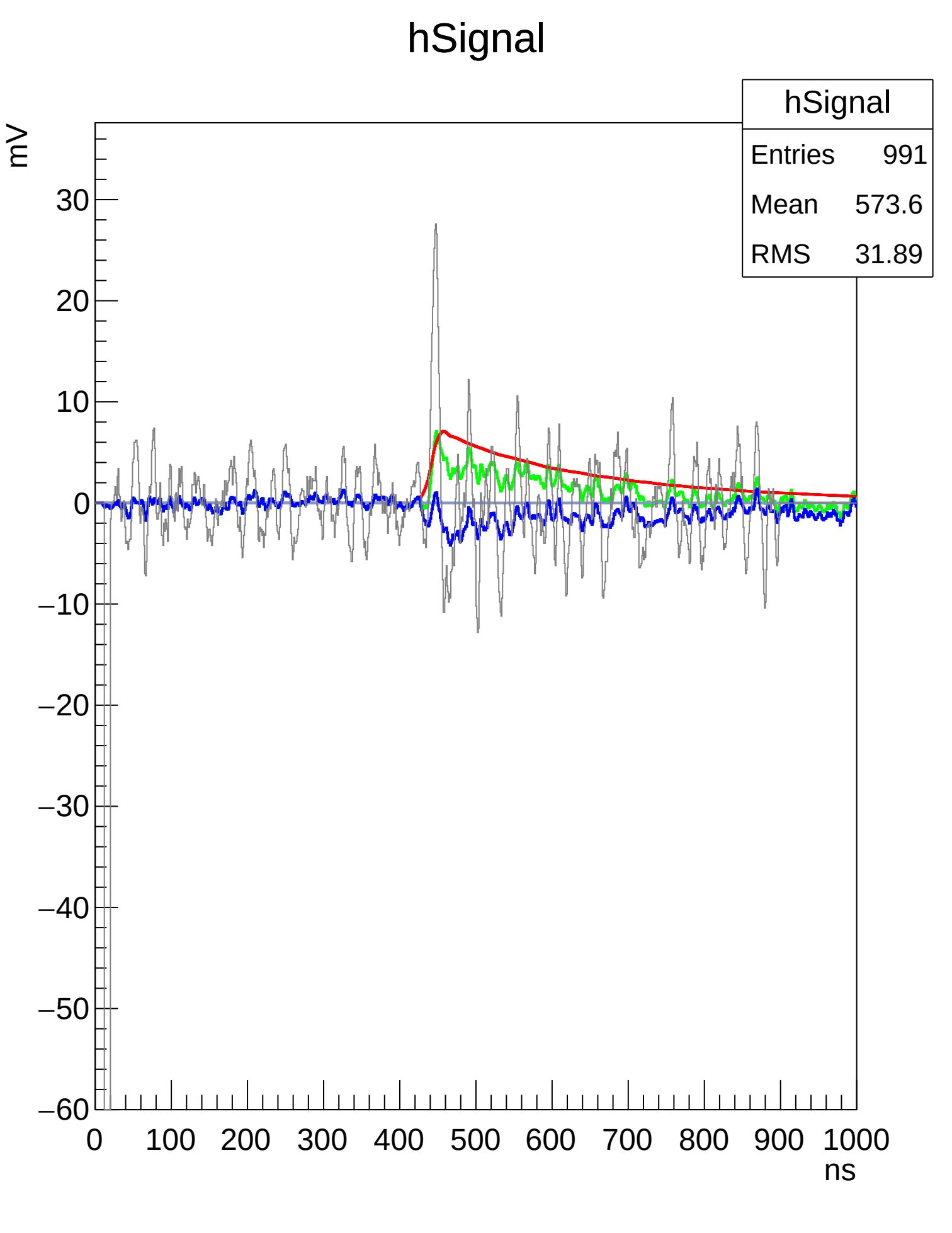
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.6
RMS 31.89
mV
30
20
10
0
−10
−20
−30
−40
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200
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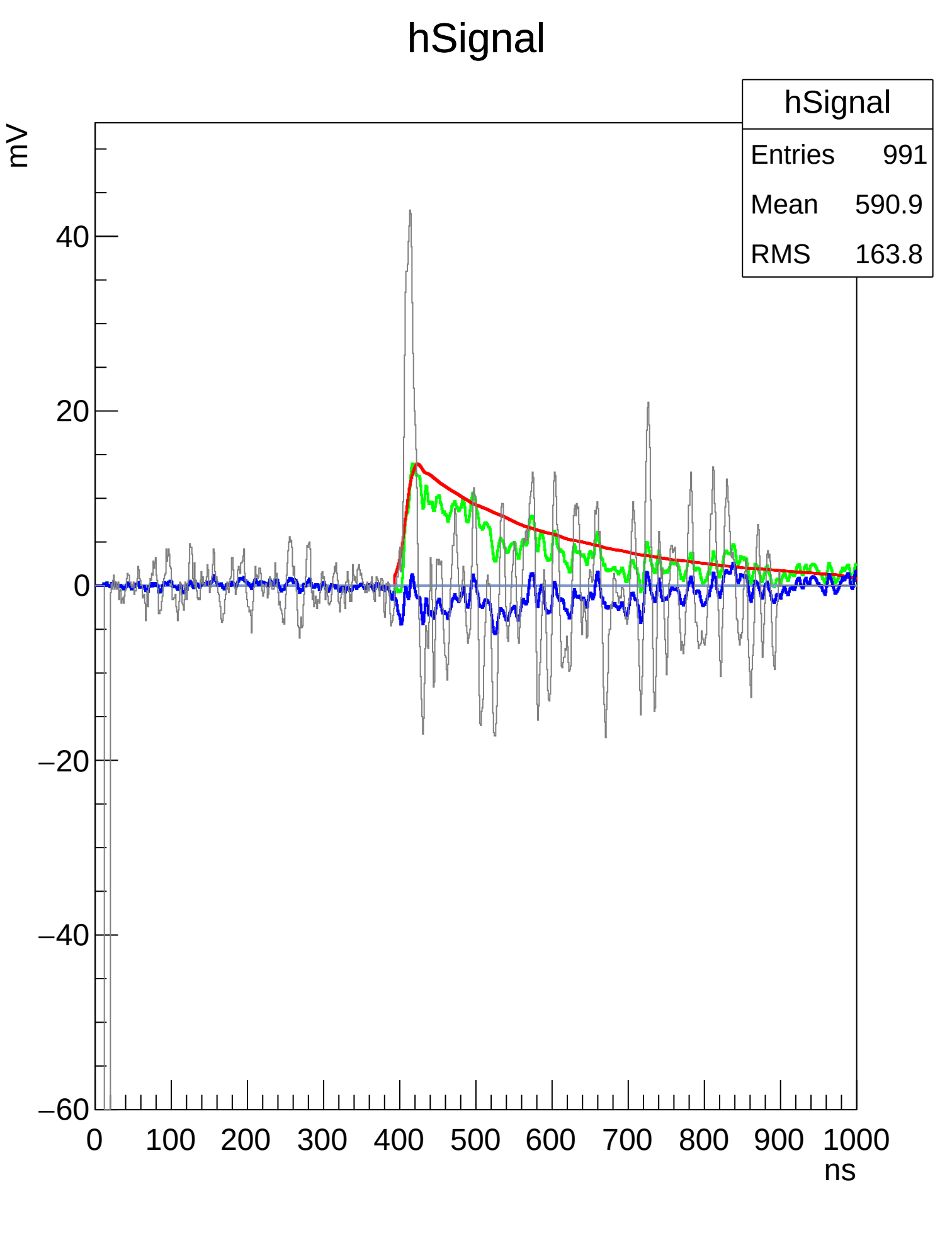
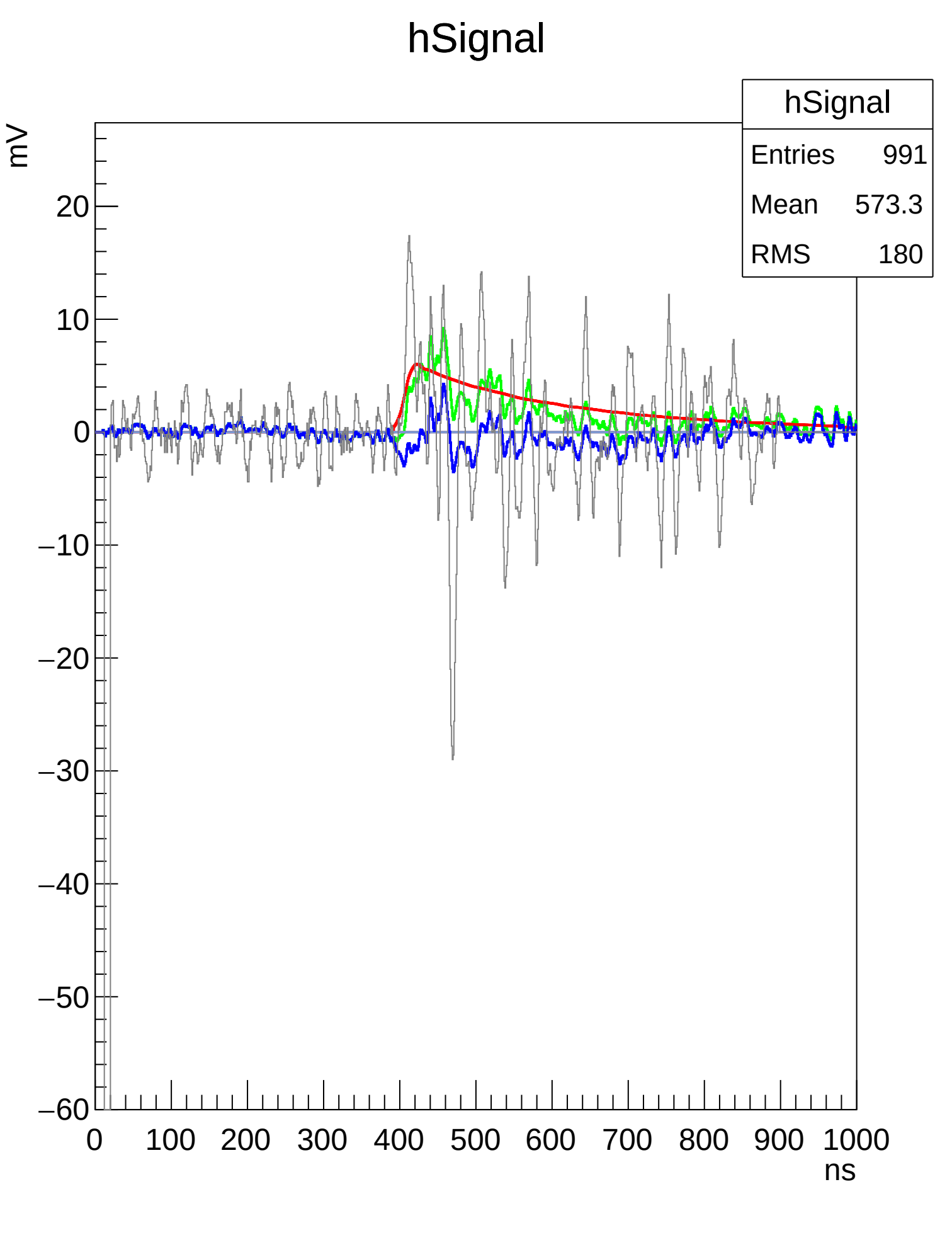
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.9
RMS 163.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.3
RMS 180
mV
20
10
0
−10
−20
−30
−40
−50
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0
100
200
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400
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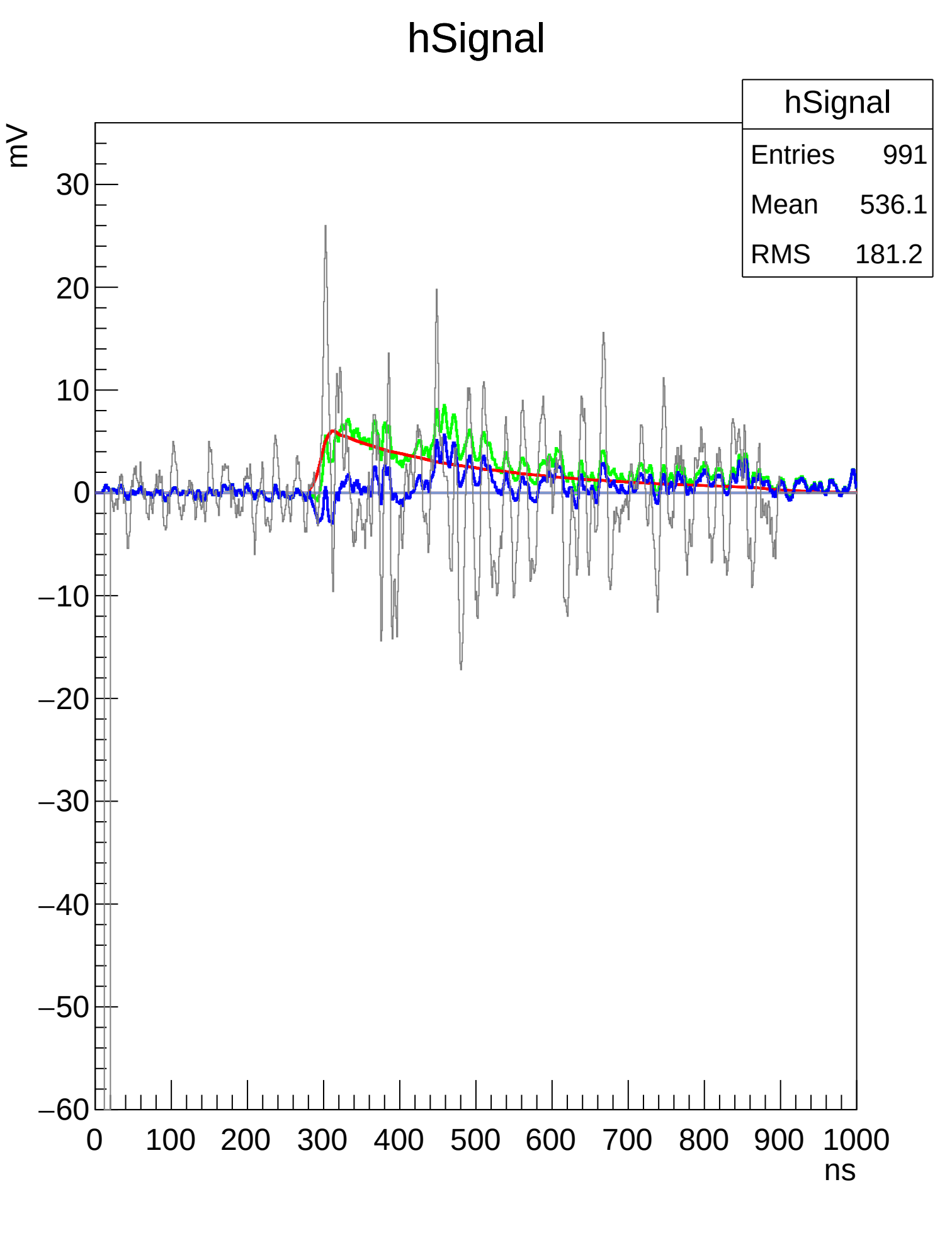
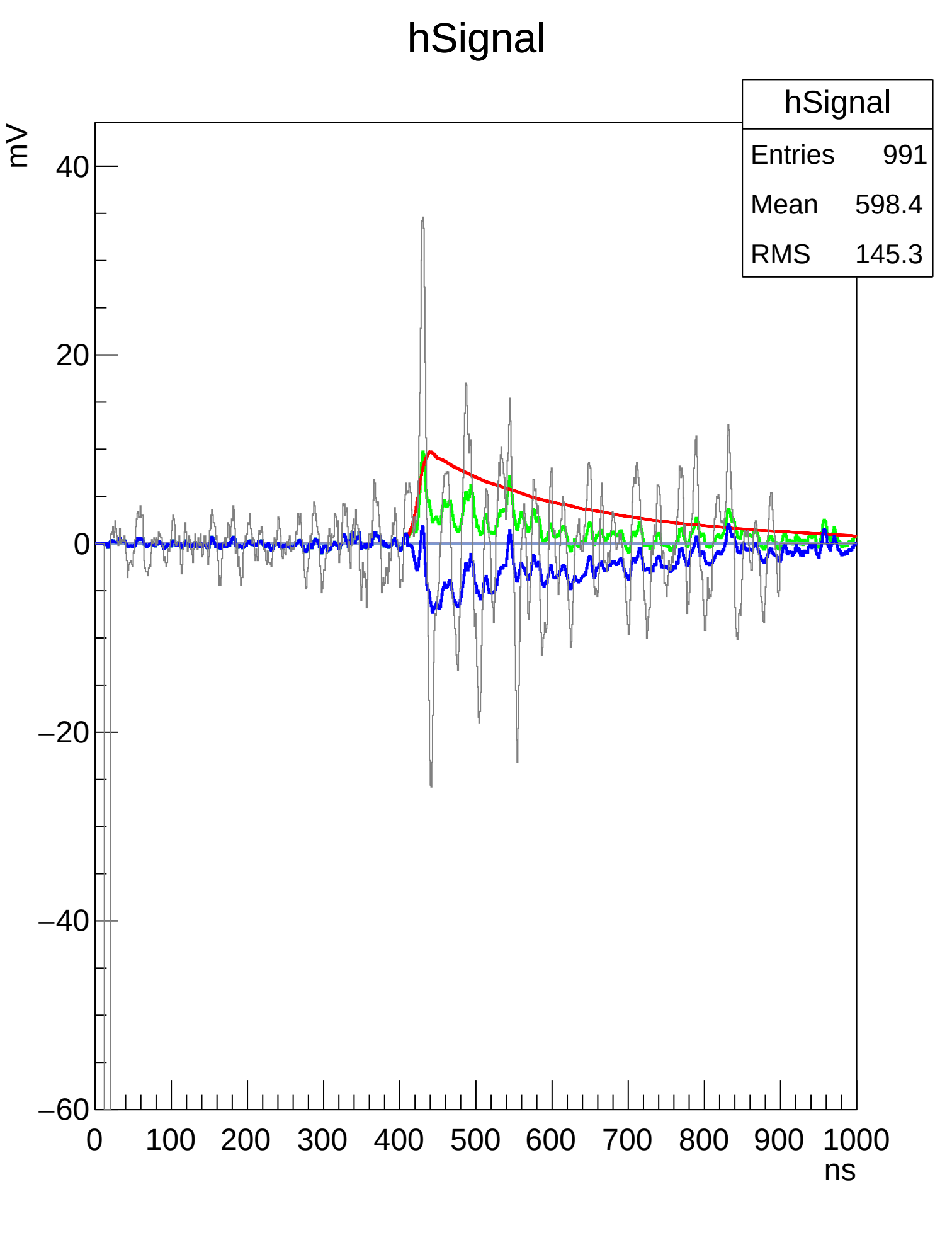
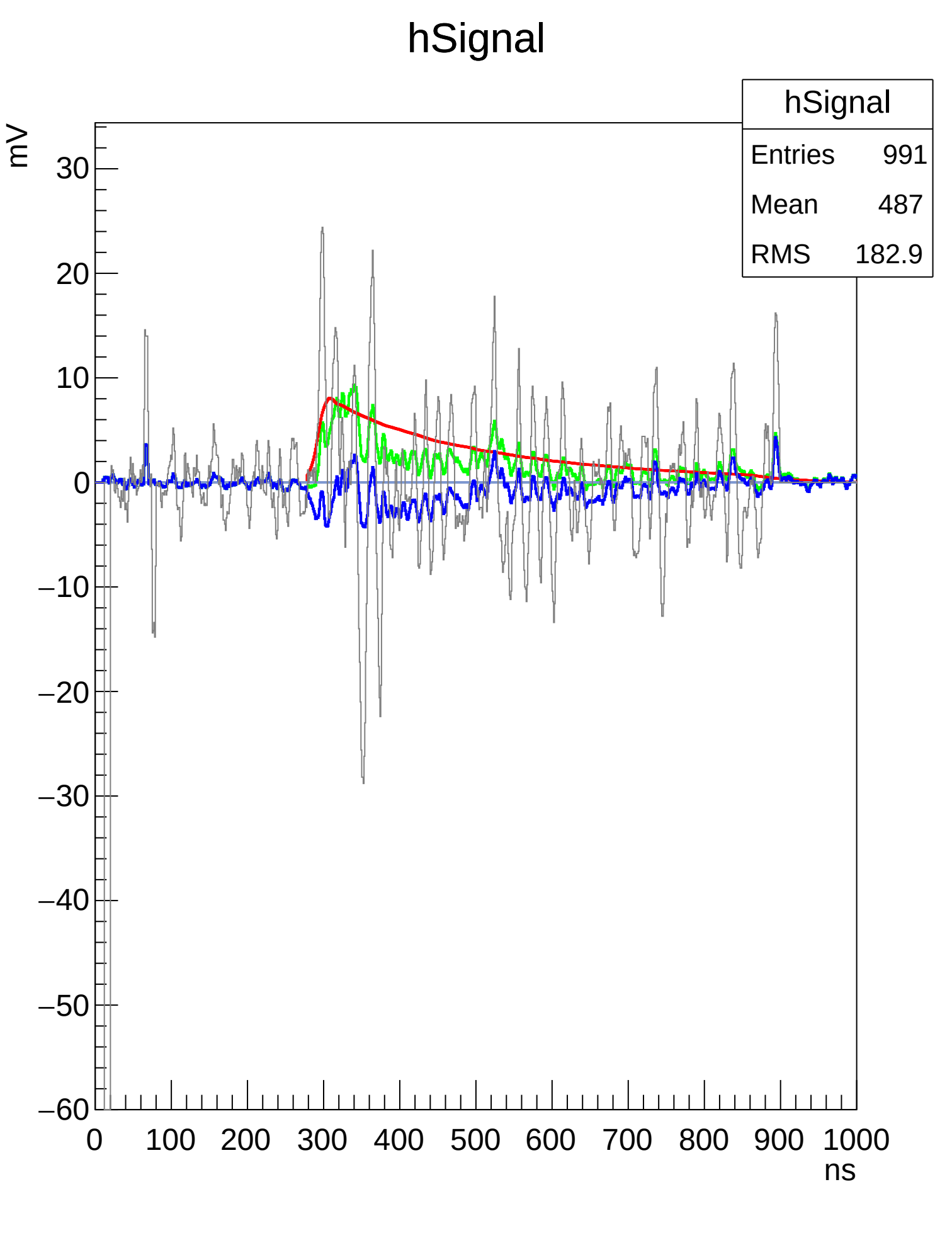
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.1
RMS 181.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.4
RMS 145.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 487
RMS 182.9
mV
30
20
10
0
−10
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−40
−50
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0
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400
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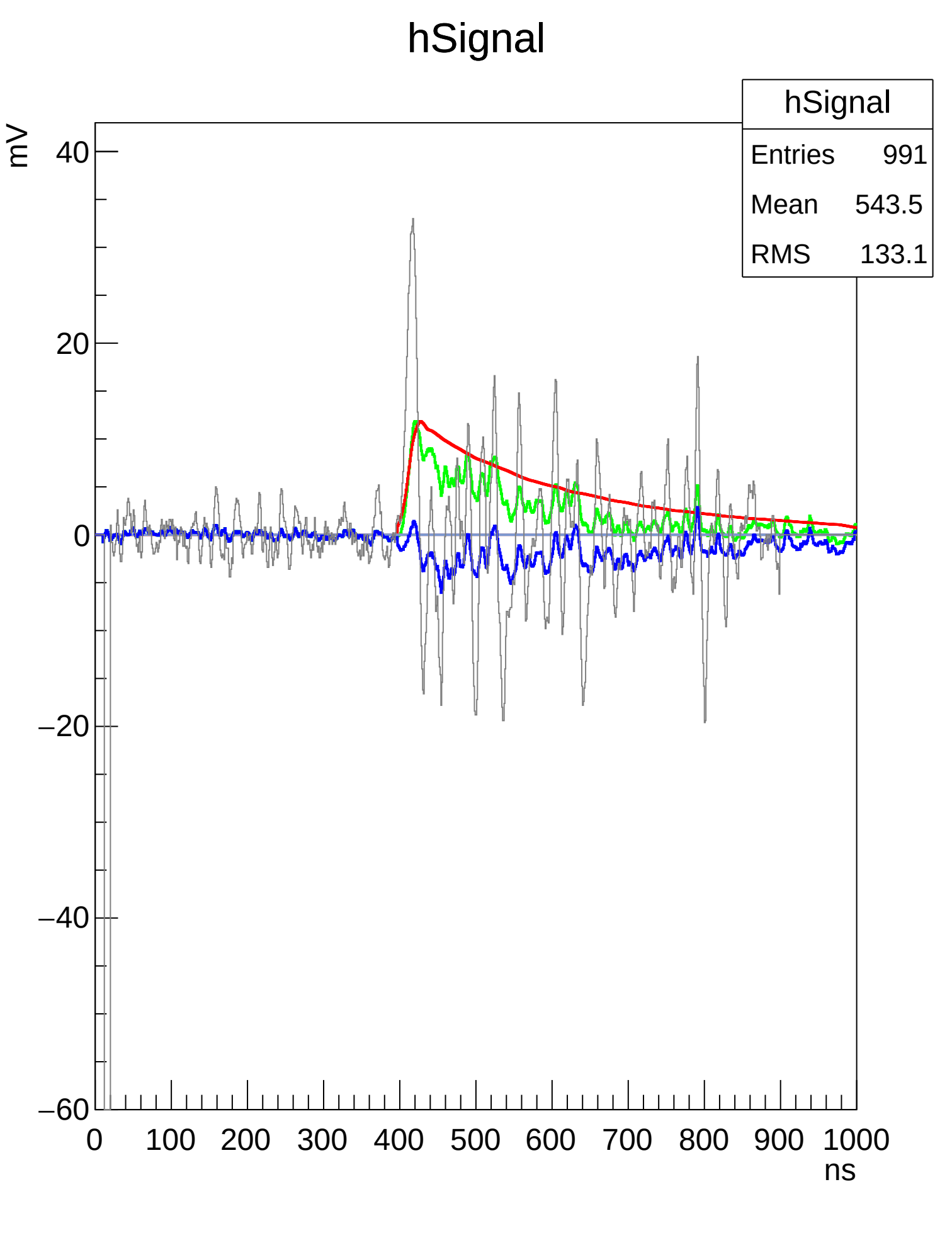
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.5
RMS 133.1
mV
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20
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−20
−40
−60
0
100
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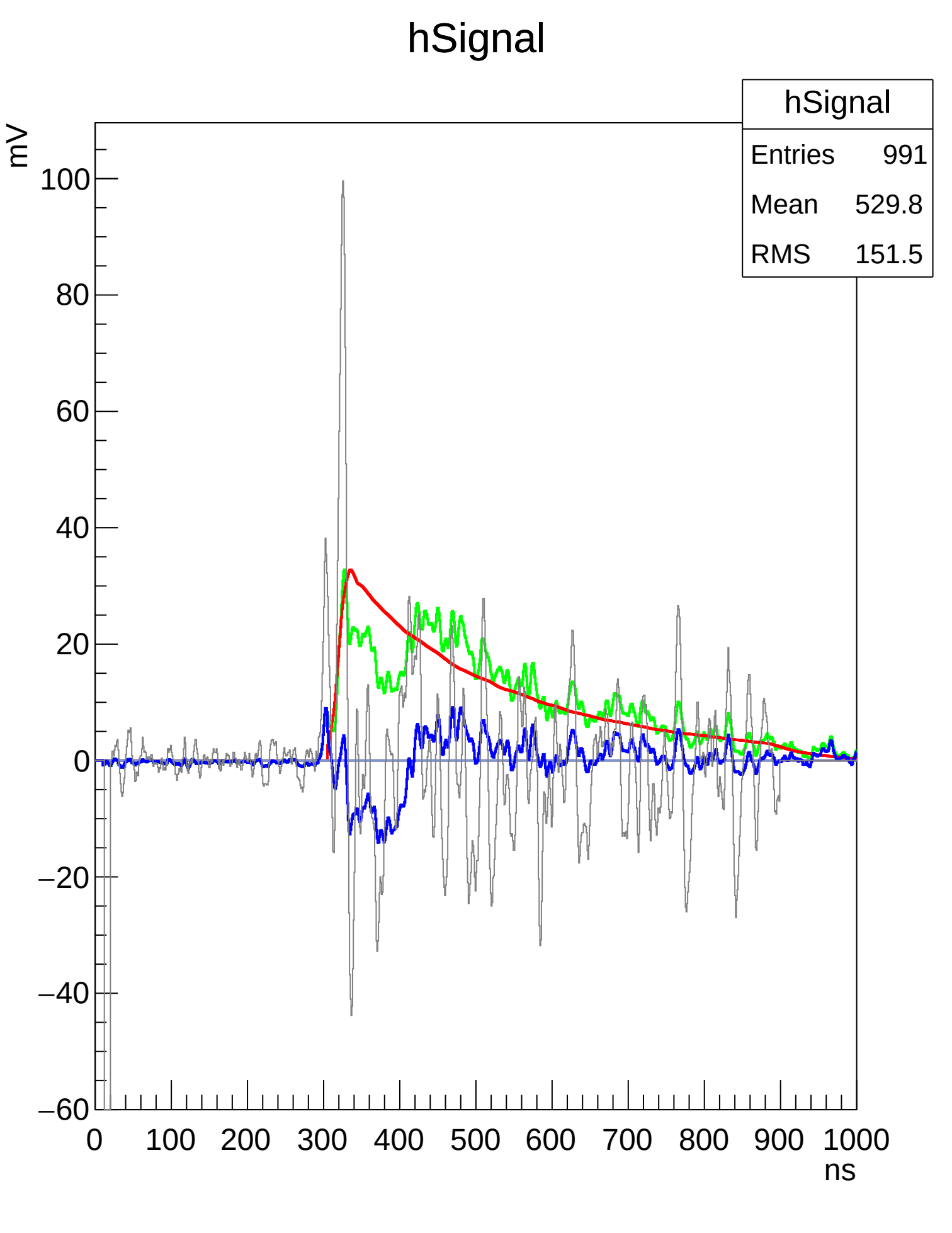
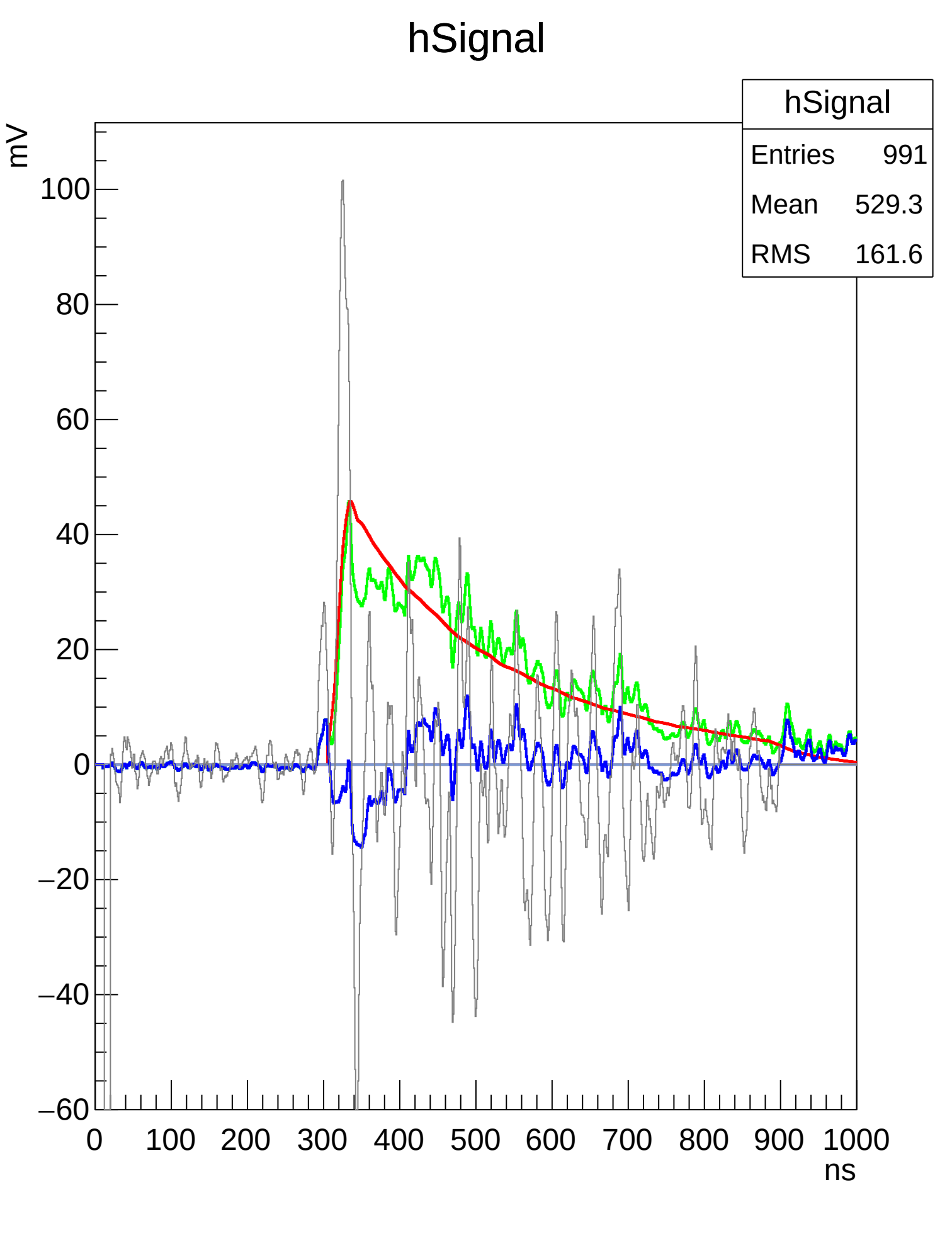
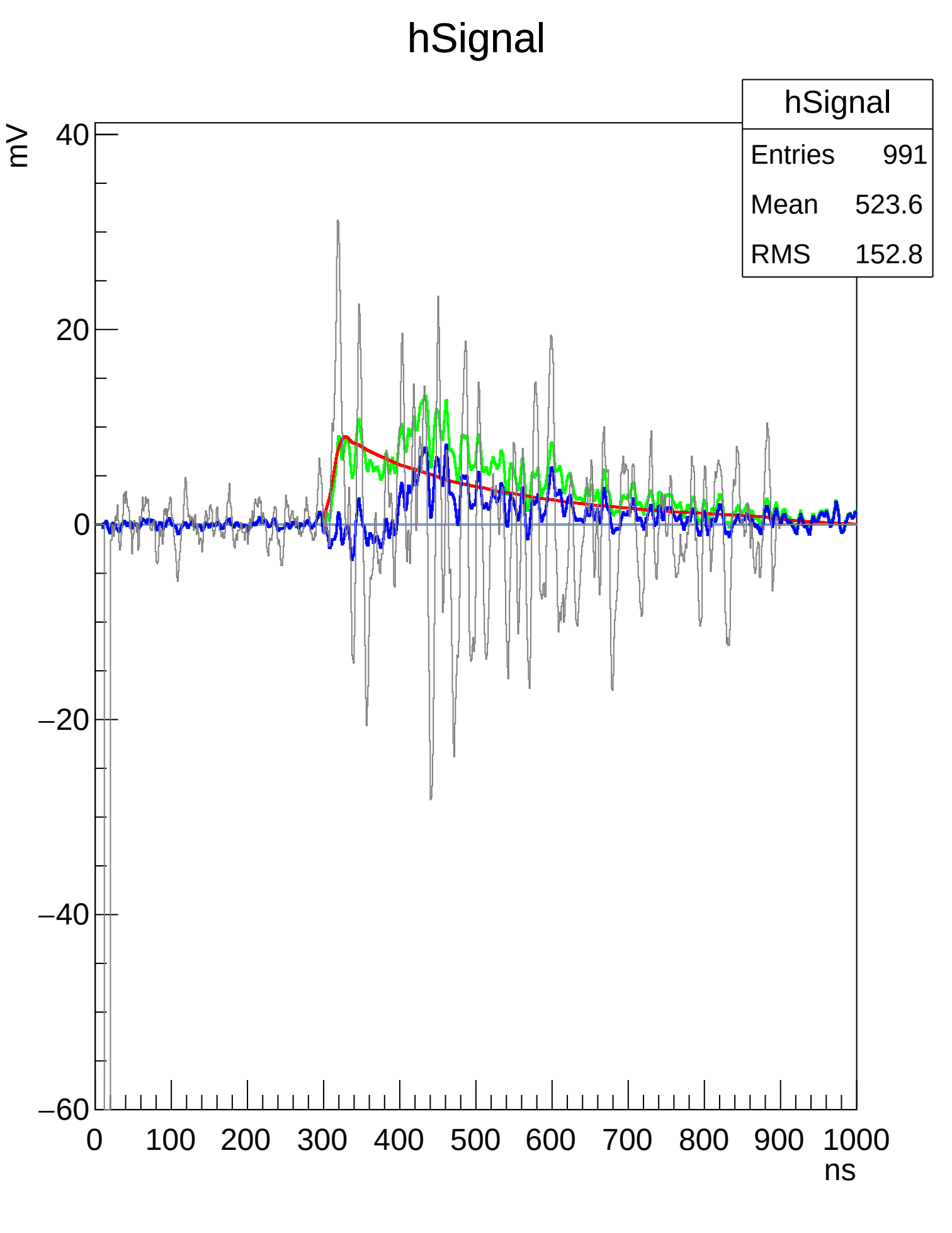
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.8
RMS 151.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.3
RMS 161.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.6
RMS 152.8
mV
40
20
0
−20
−40
−60
0
100
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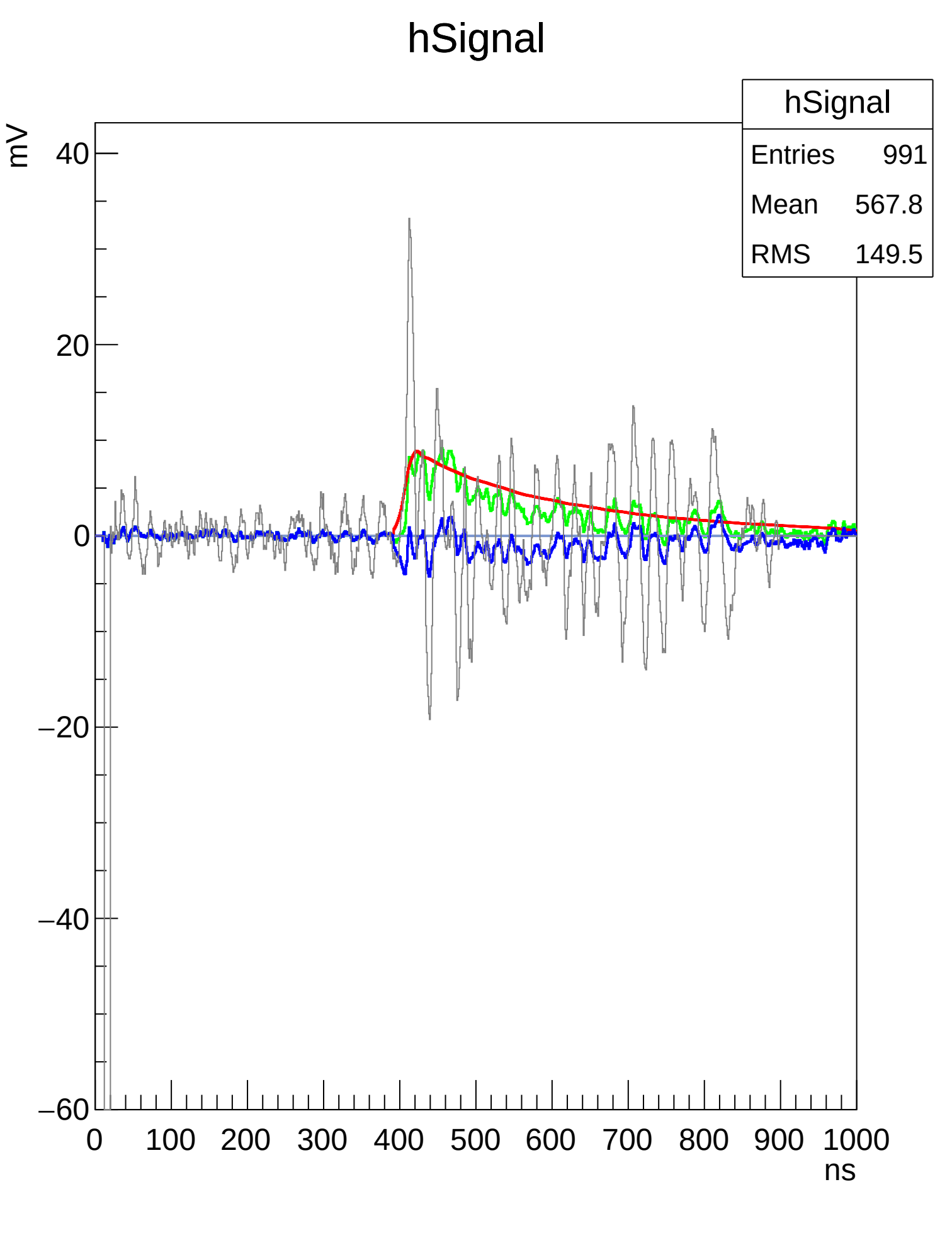
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.8
RMS 149.5
mV
40
20
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−20
−40
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0
100
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600
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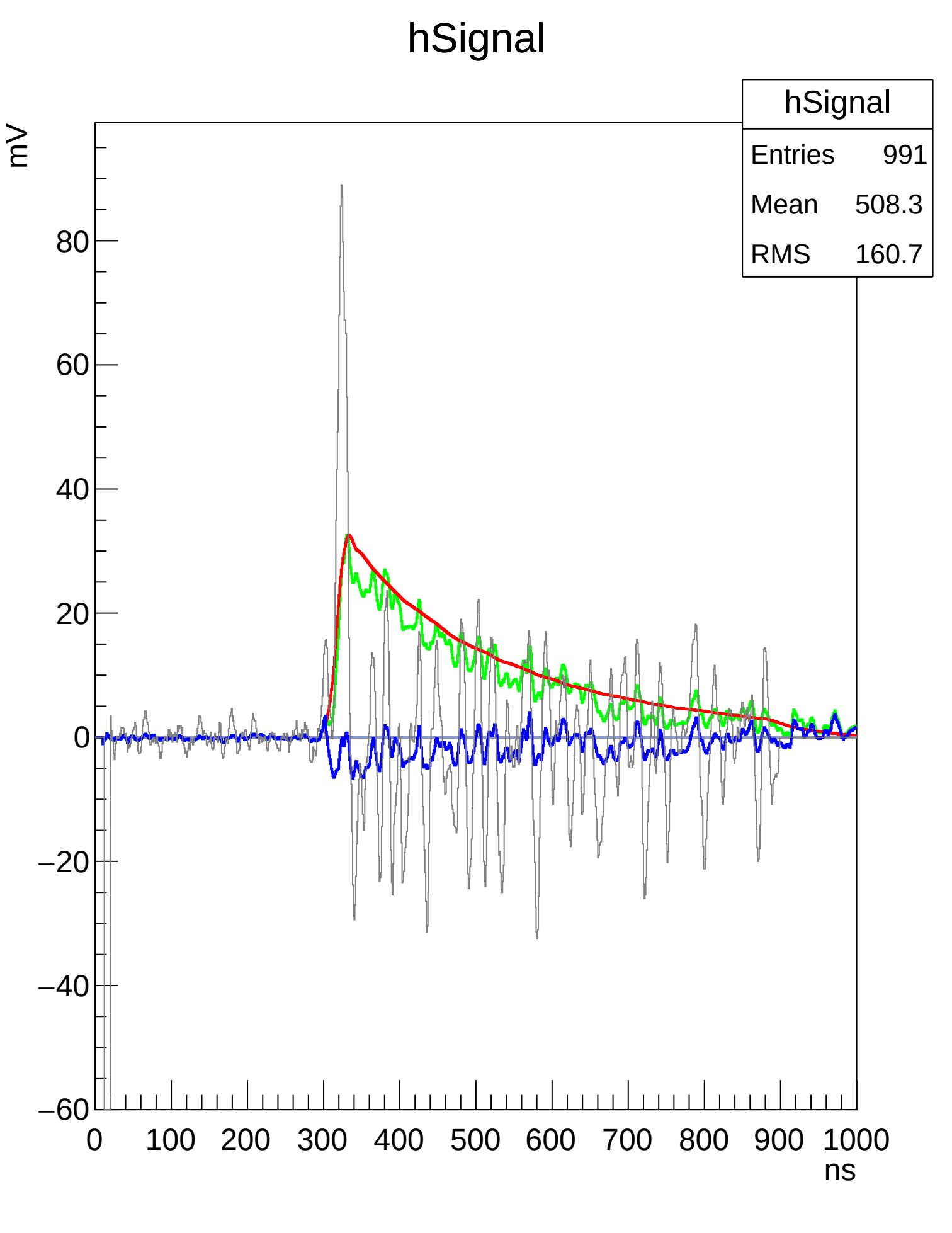
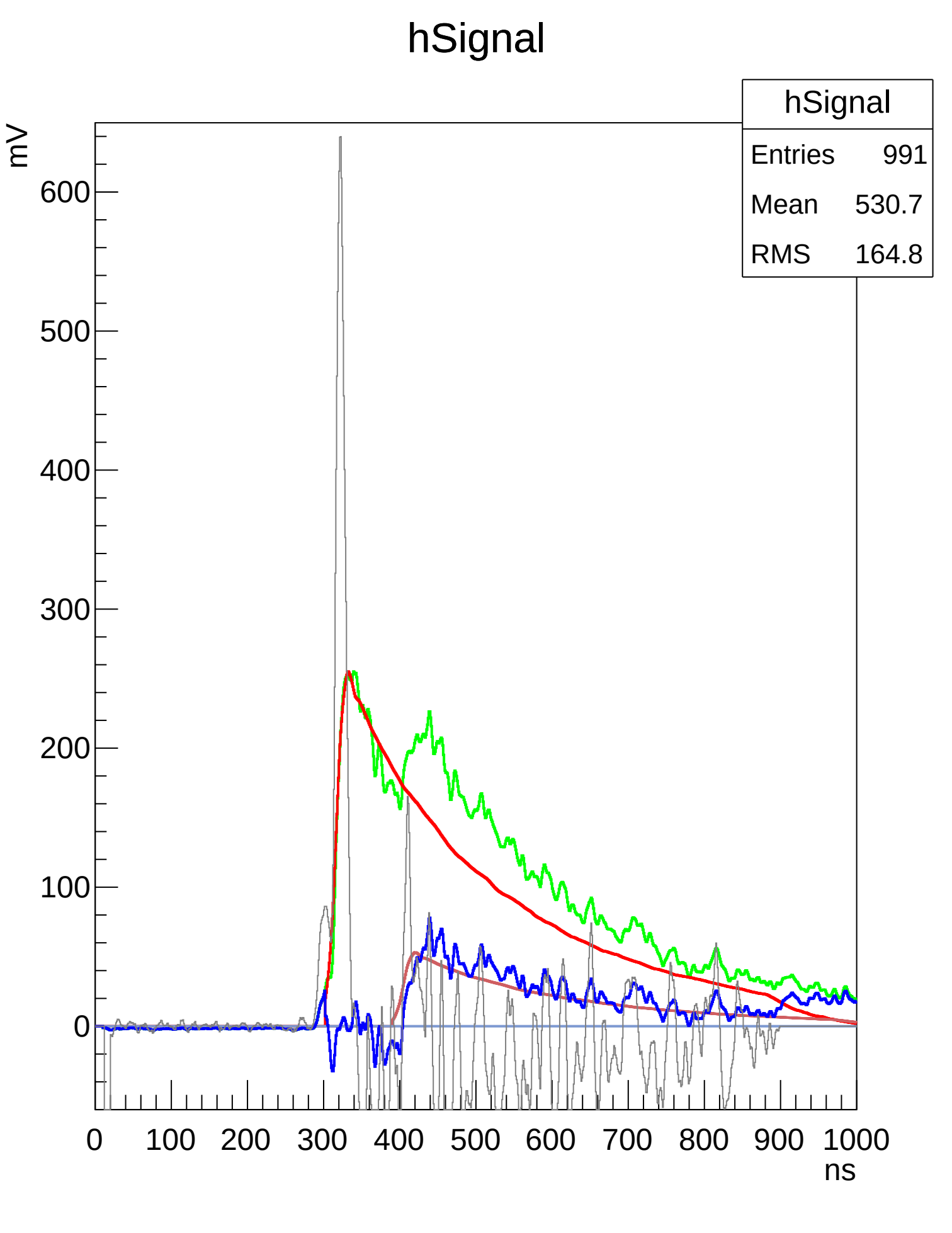
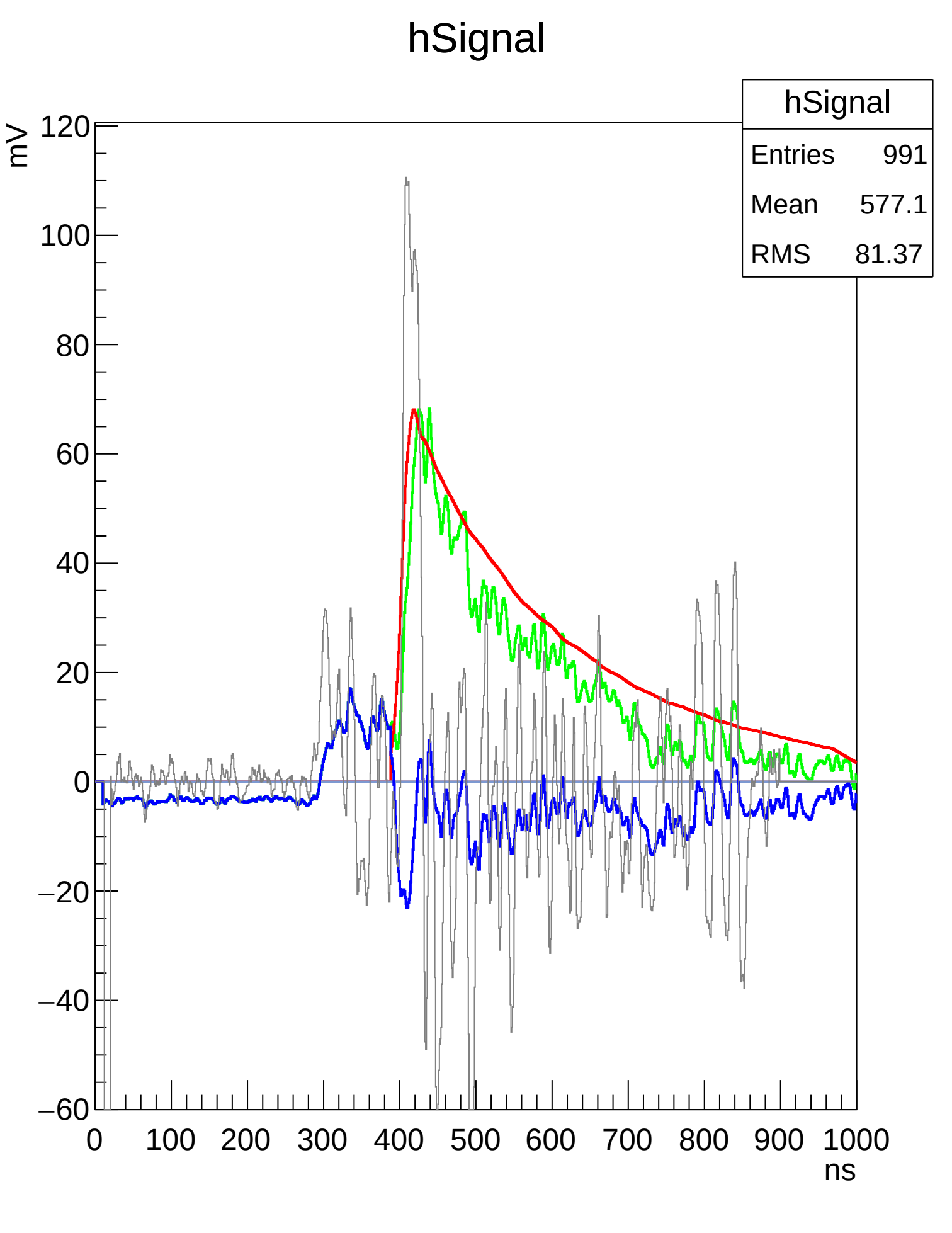
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.3
RMS 160.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.7
RMS 164.8
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.1
RMS 81.37
mV
120
100
80
60
40
20
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−20
−40
−60
0
100
200
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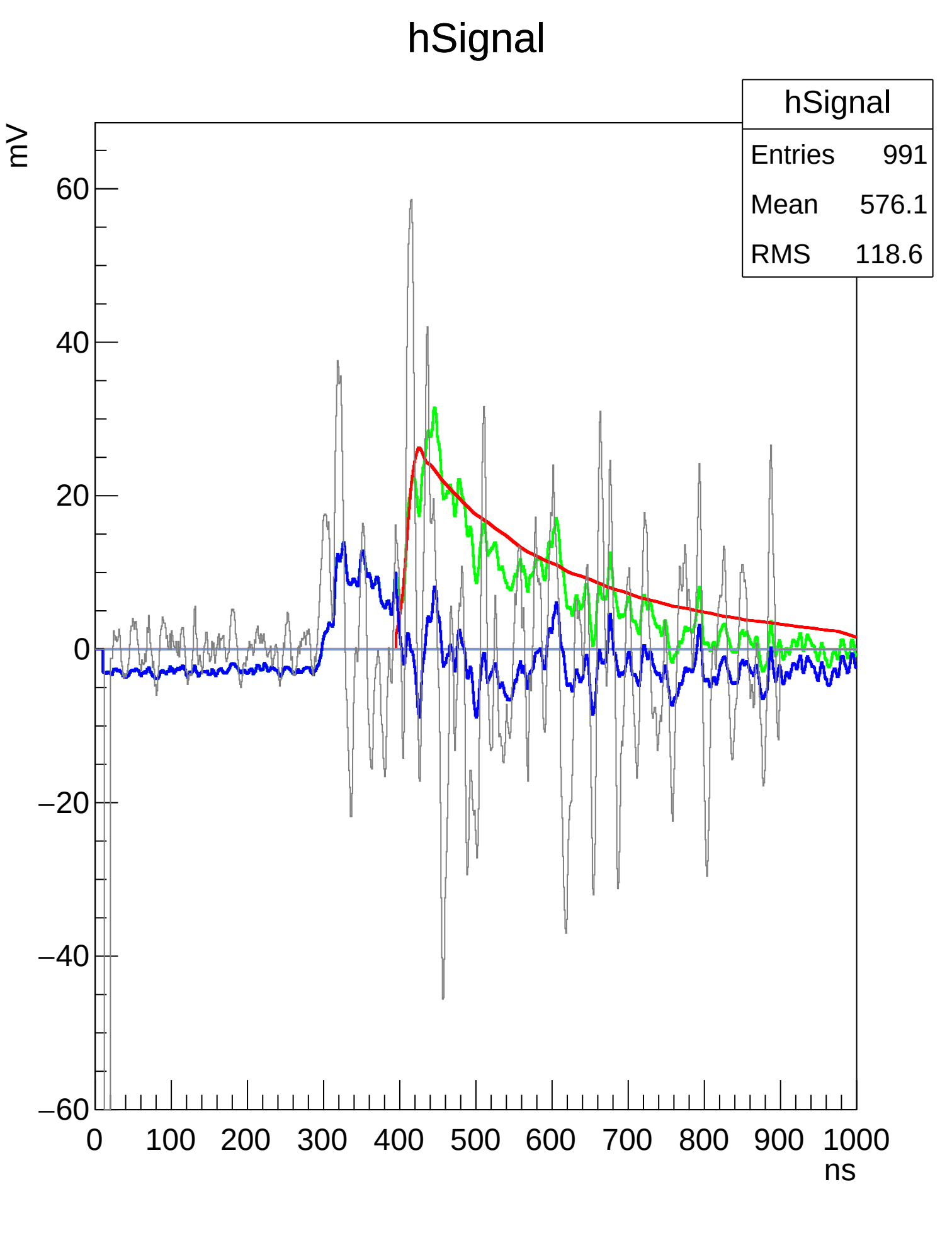
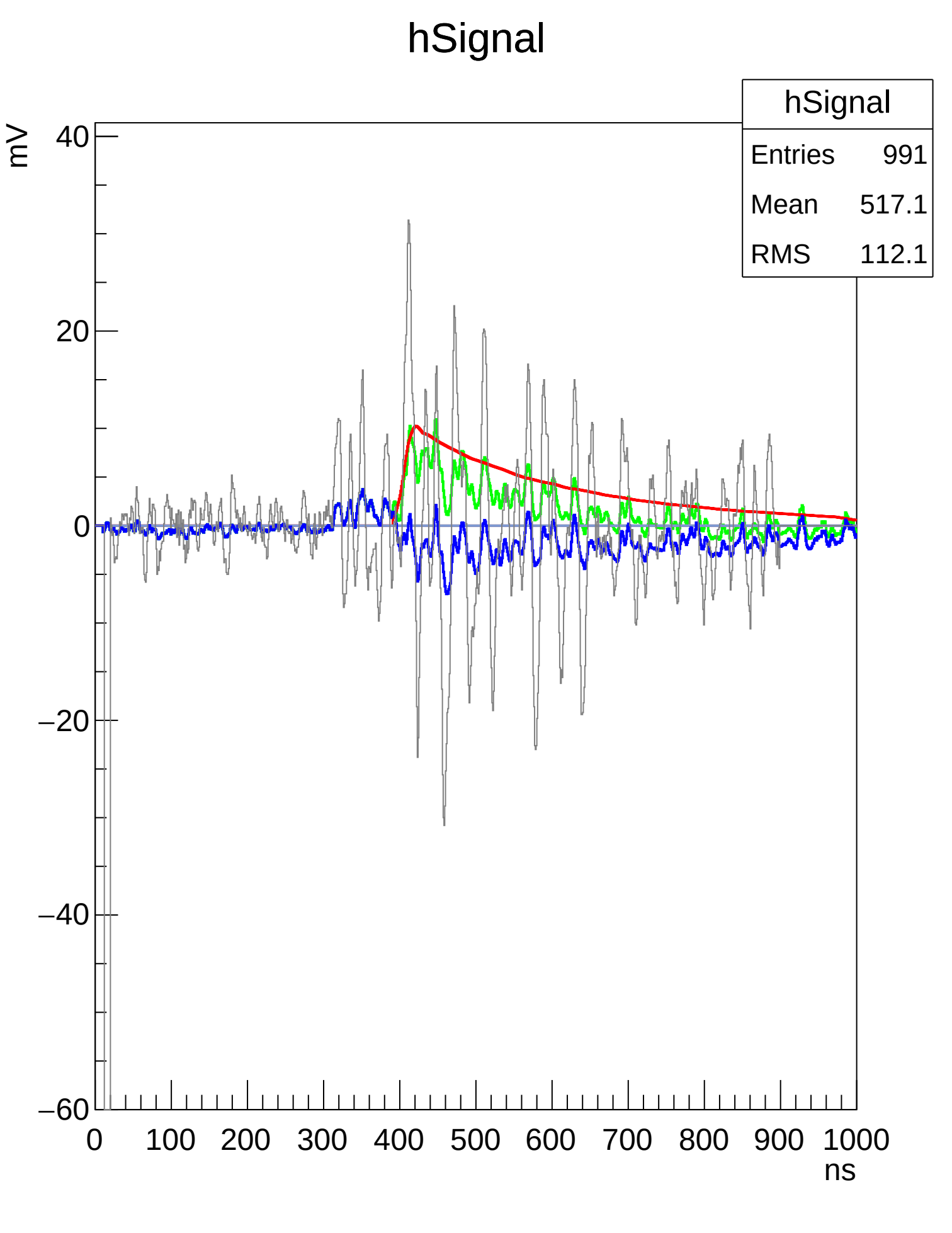
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.1
RMS 118.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.1
RMS 112.1
mV
40
20
0
−20
−40
−60
0
100
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400
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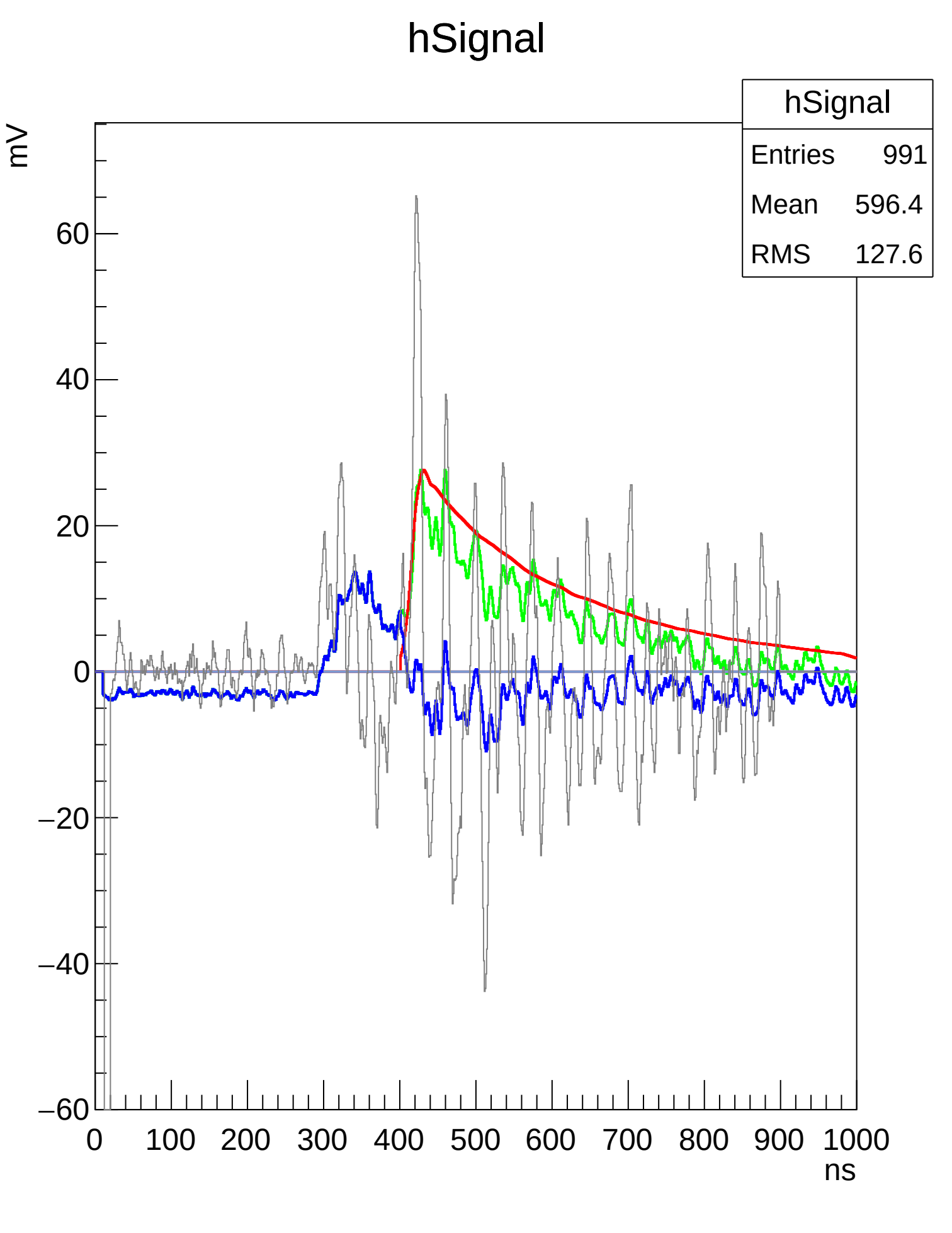
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 127.6
mV
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40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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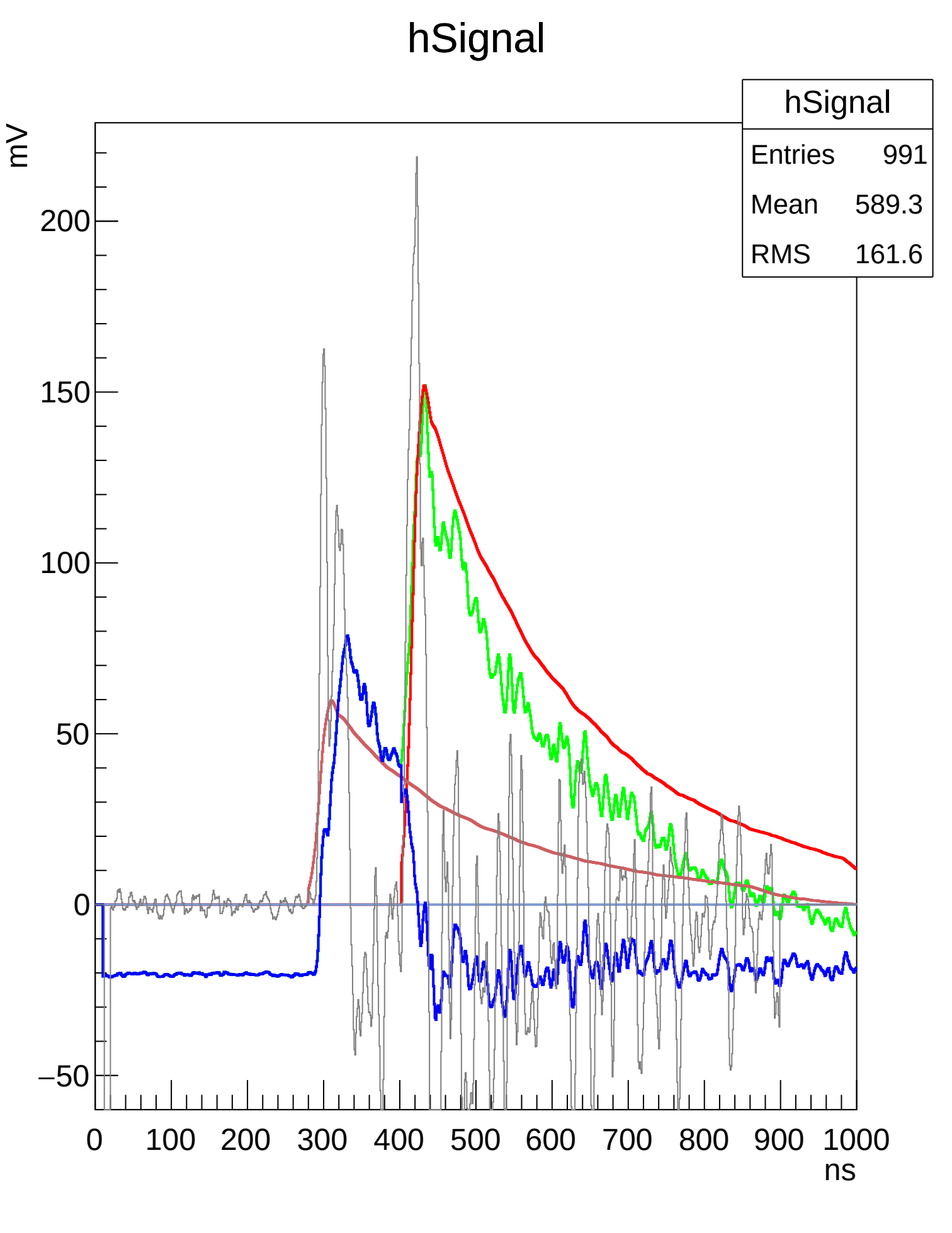
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.3
RMS 161.6
mV
200
150
100
50
0
−50
0
100
200
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400
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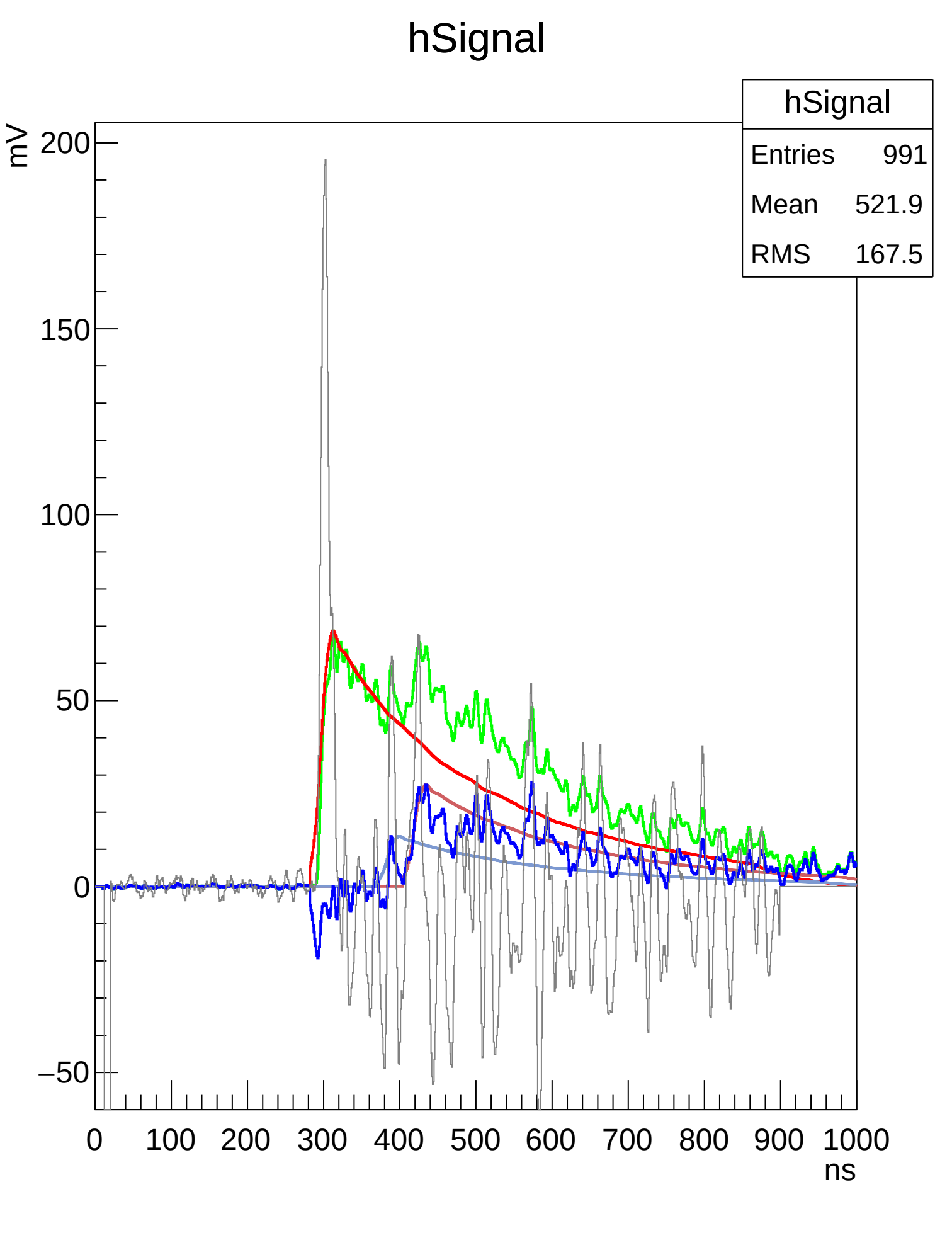
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.9
RMS 167.5
mV
200
150
100
50
0
−50
0
100
200
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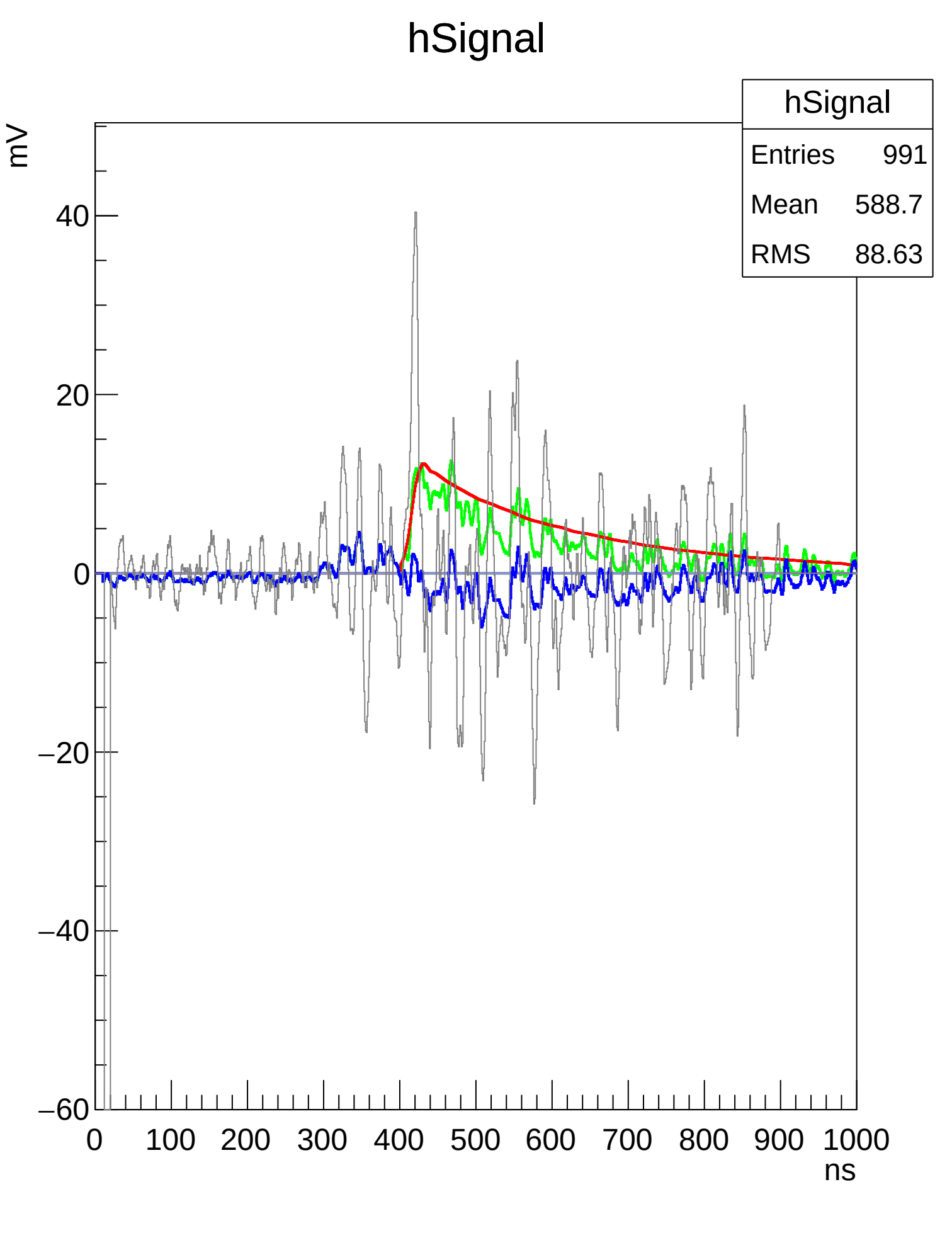
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.7
RMS 88.63
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−20
−40
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0
100
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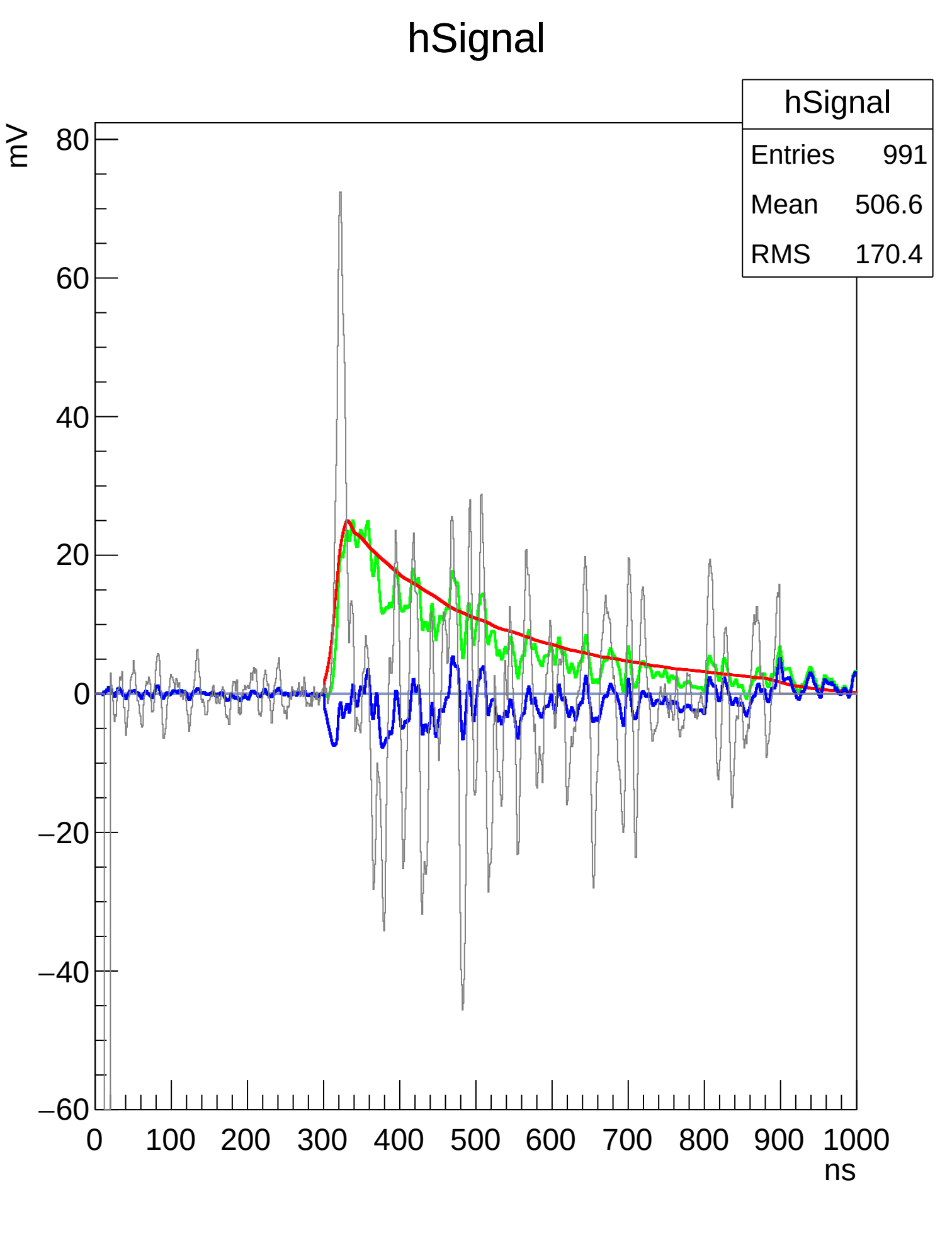
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.6
RMS 170.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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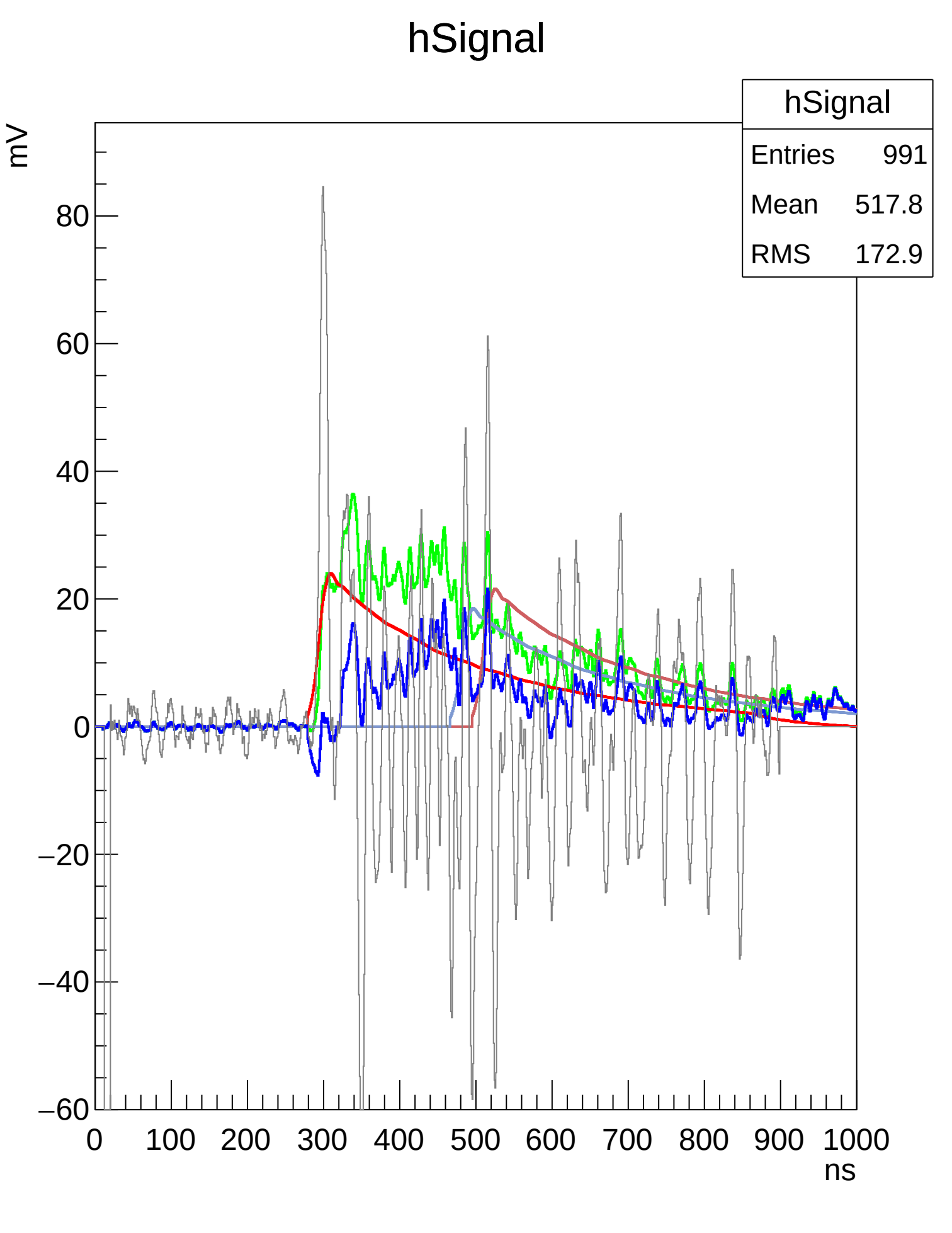
1000
ns


hSignal
hSignal
Entries 991
Mean 517.8
RMS 172.9
mV
80
60
40
20
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−20
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0
100
200
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400
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1000
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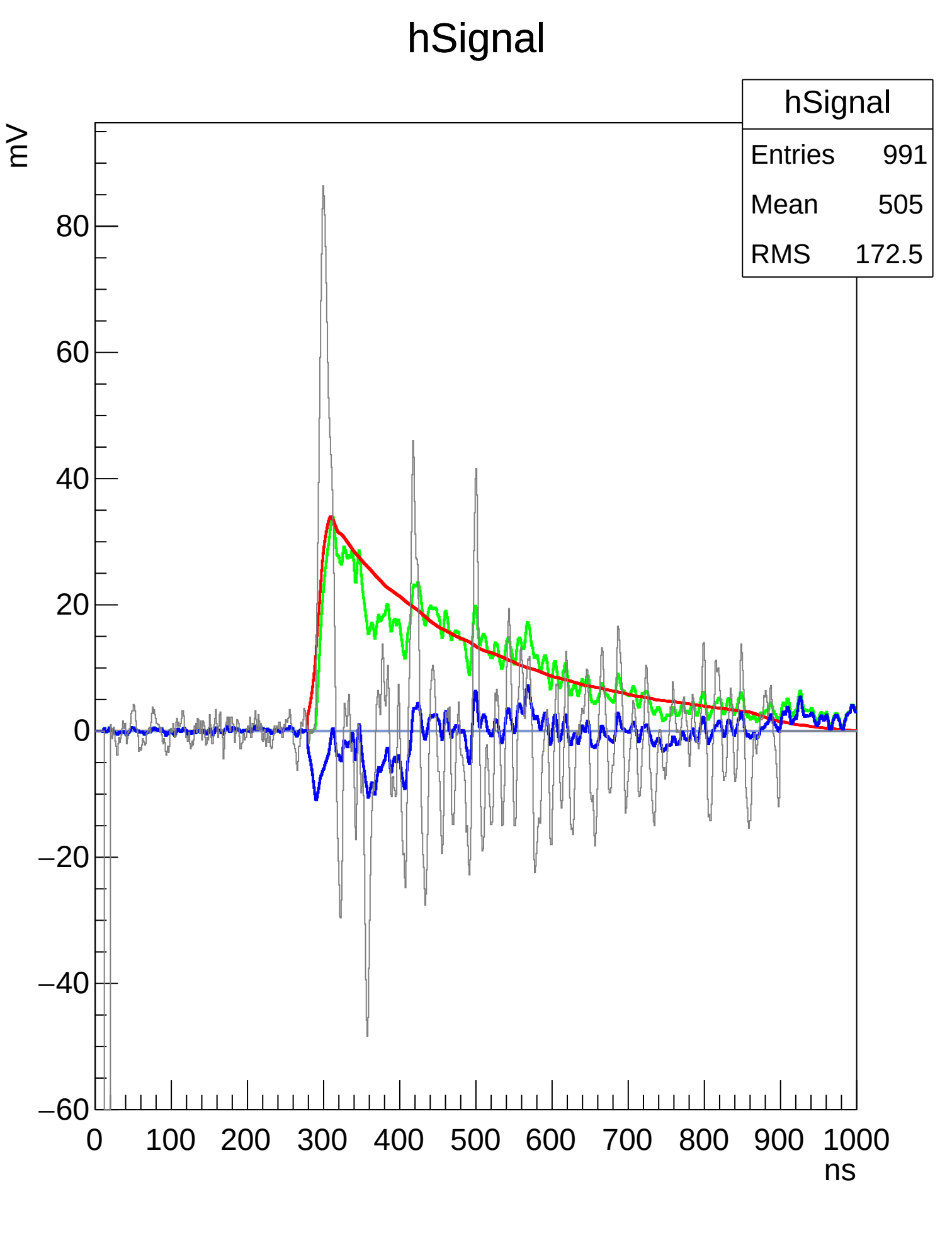
hSignal
hSignal
Entries 991
Mean 505
RMS 172.5
mV
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400
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1000
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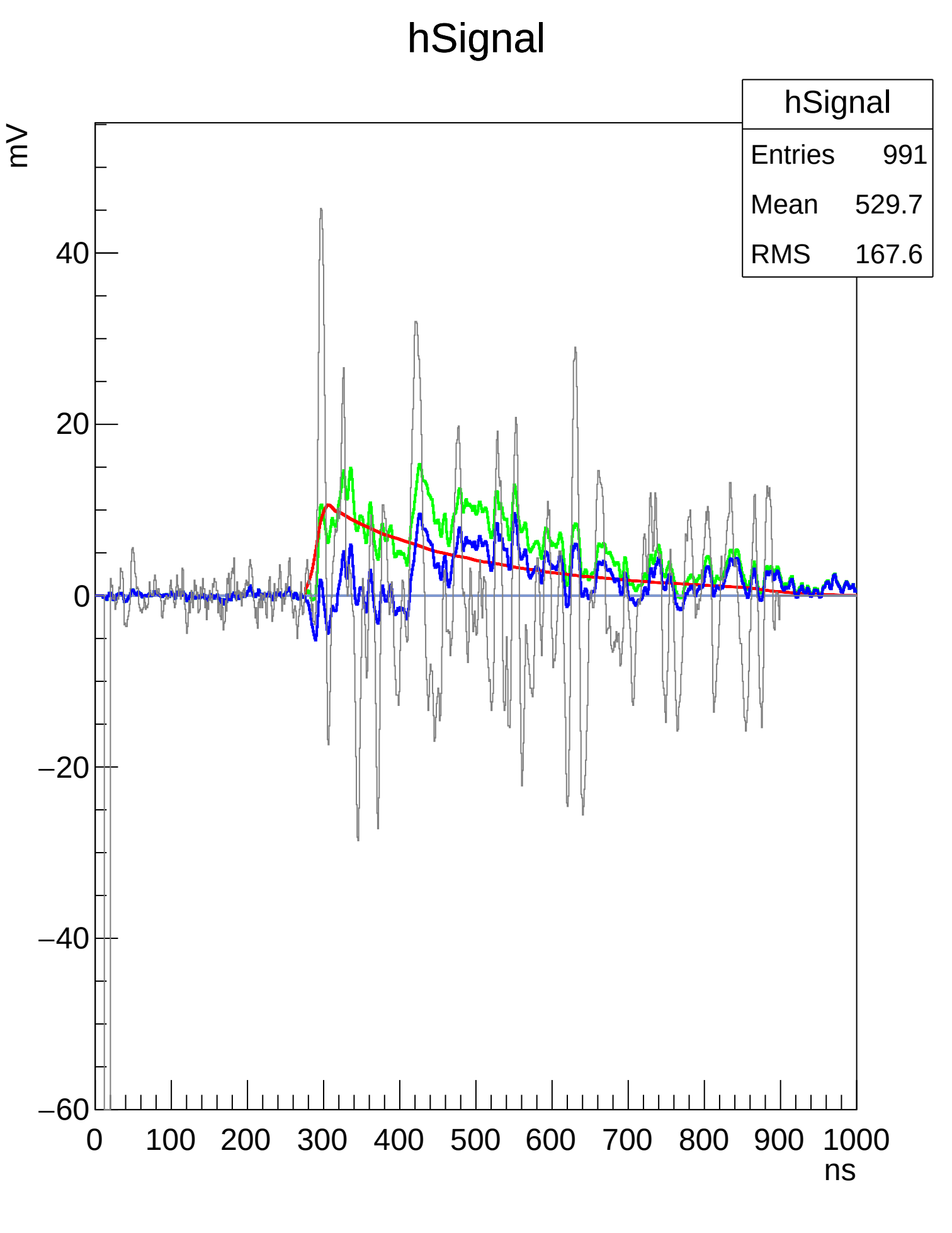
hSignal
hSignal
Entries 991
Mean 529.7
RMS 167.6
mV
40
20
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−20
−40
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0
100
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600
700
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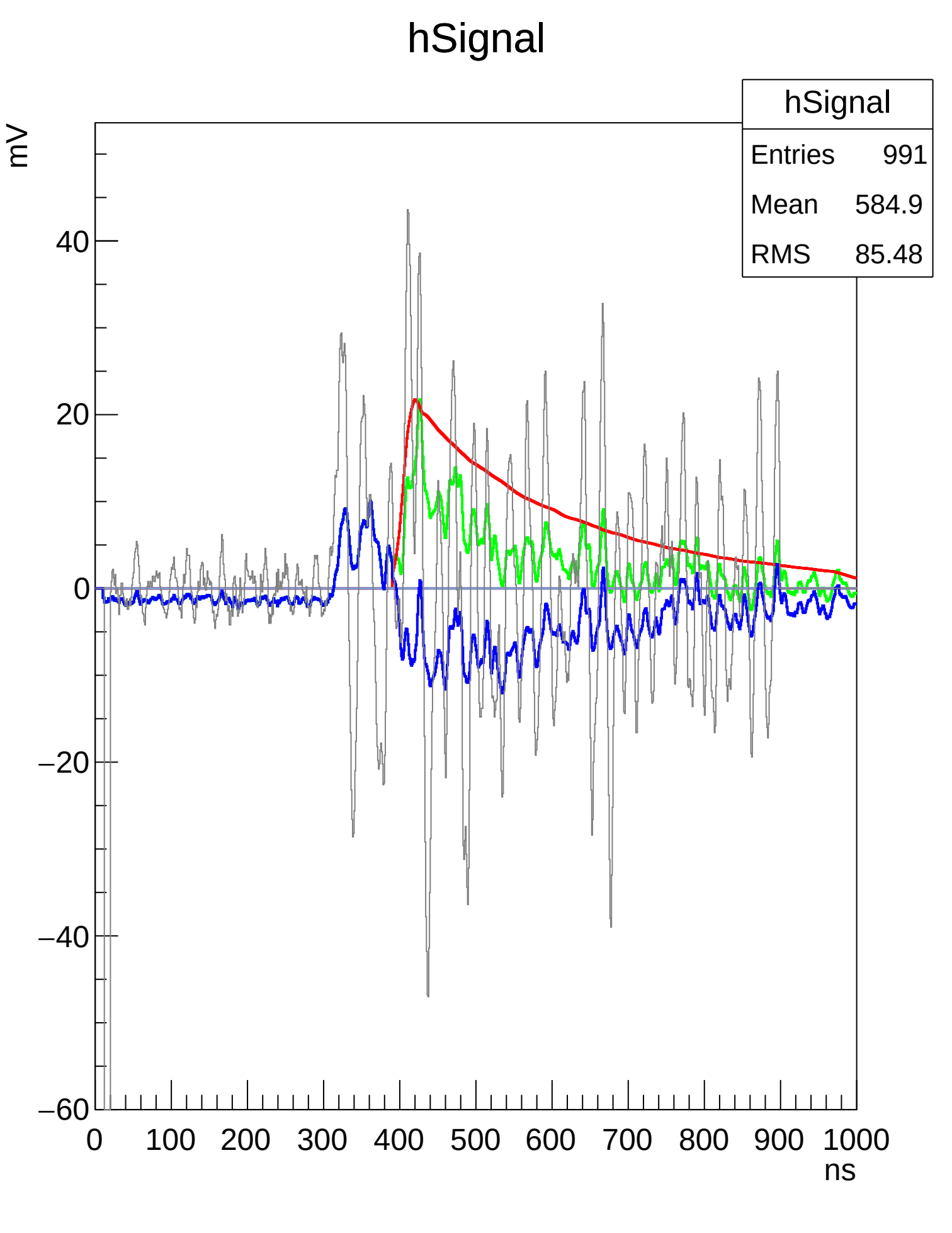
1000
ns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hSignal
Entries 991
Mean 584.9
RMS 85.48
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0
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1000
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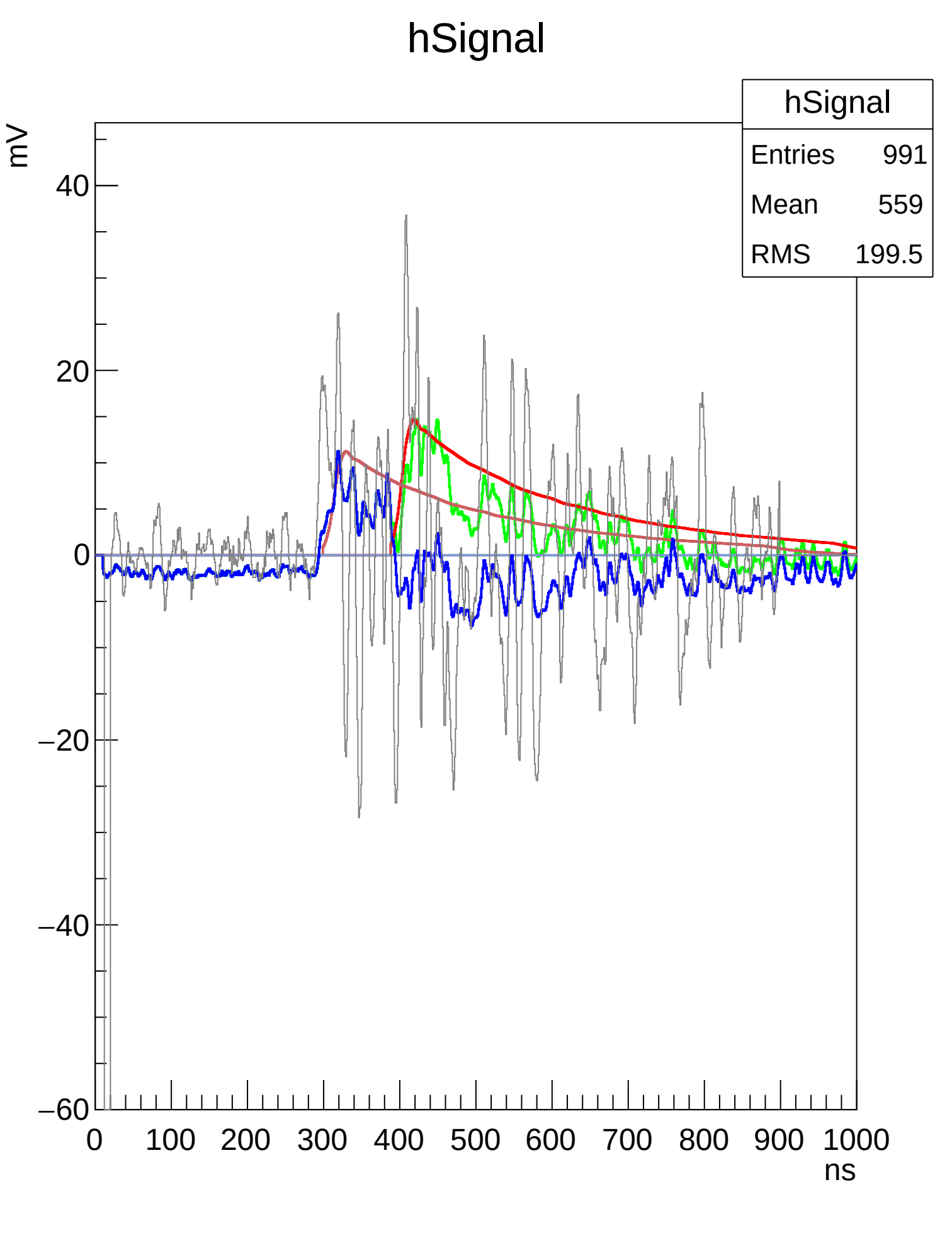
hSignal
hSignal
Entries 991
Mean 559
RMS 199.5
mV
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0
100
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400
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600
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800
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1000
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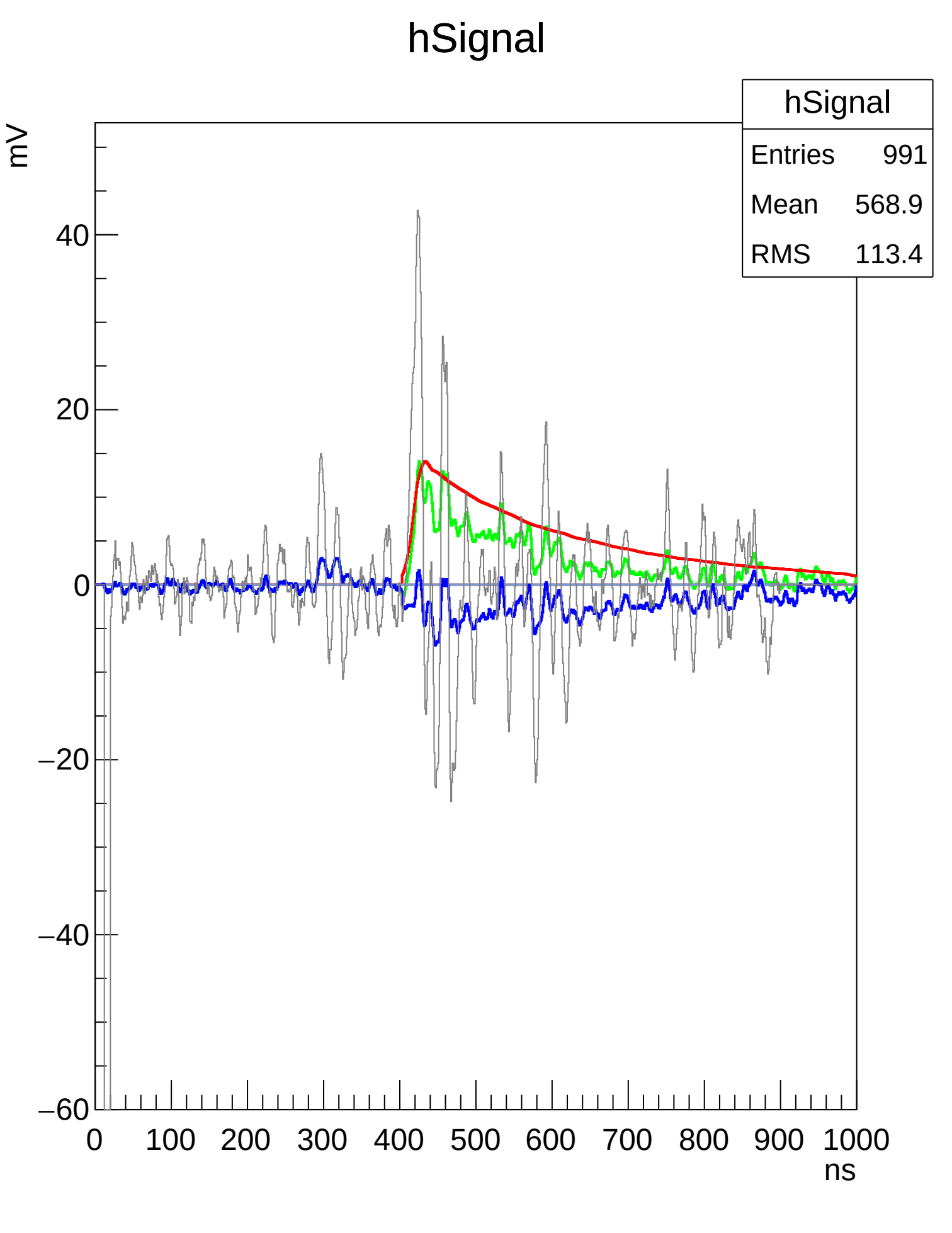
hSignal
hSignal
Entries 991
Mean 568.9
RMS 113.4
mV
40
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−20
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0
100
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400
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800
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1000
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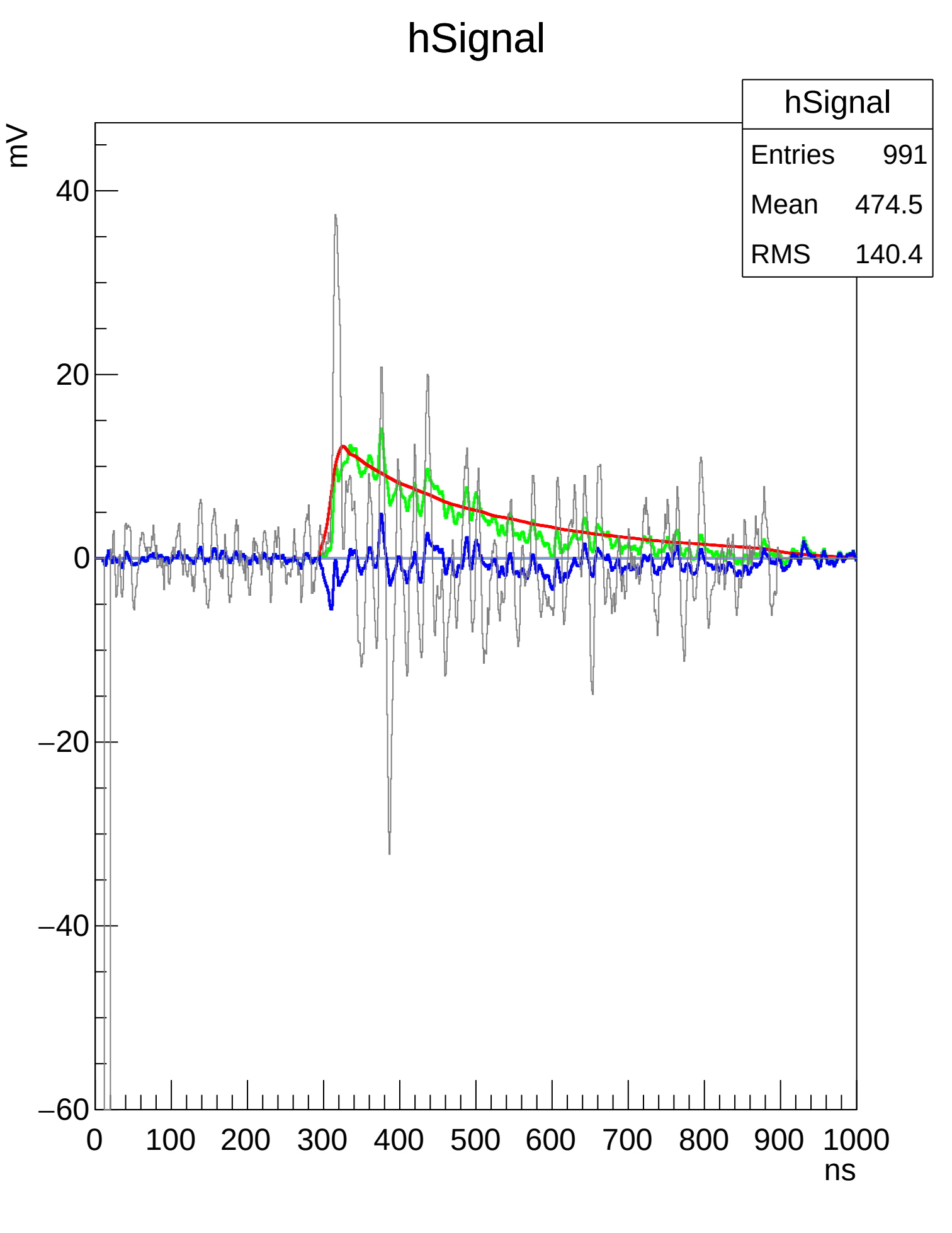
hSignal
hSignal
Entries 991
Mean 474.5
RMS 140.4
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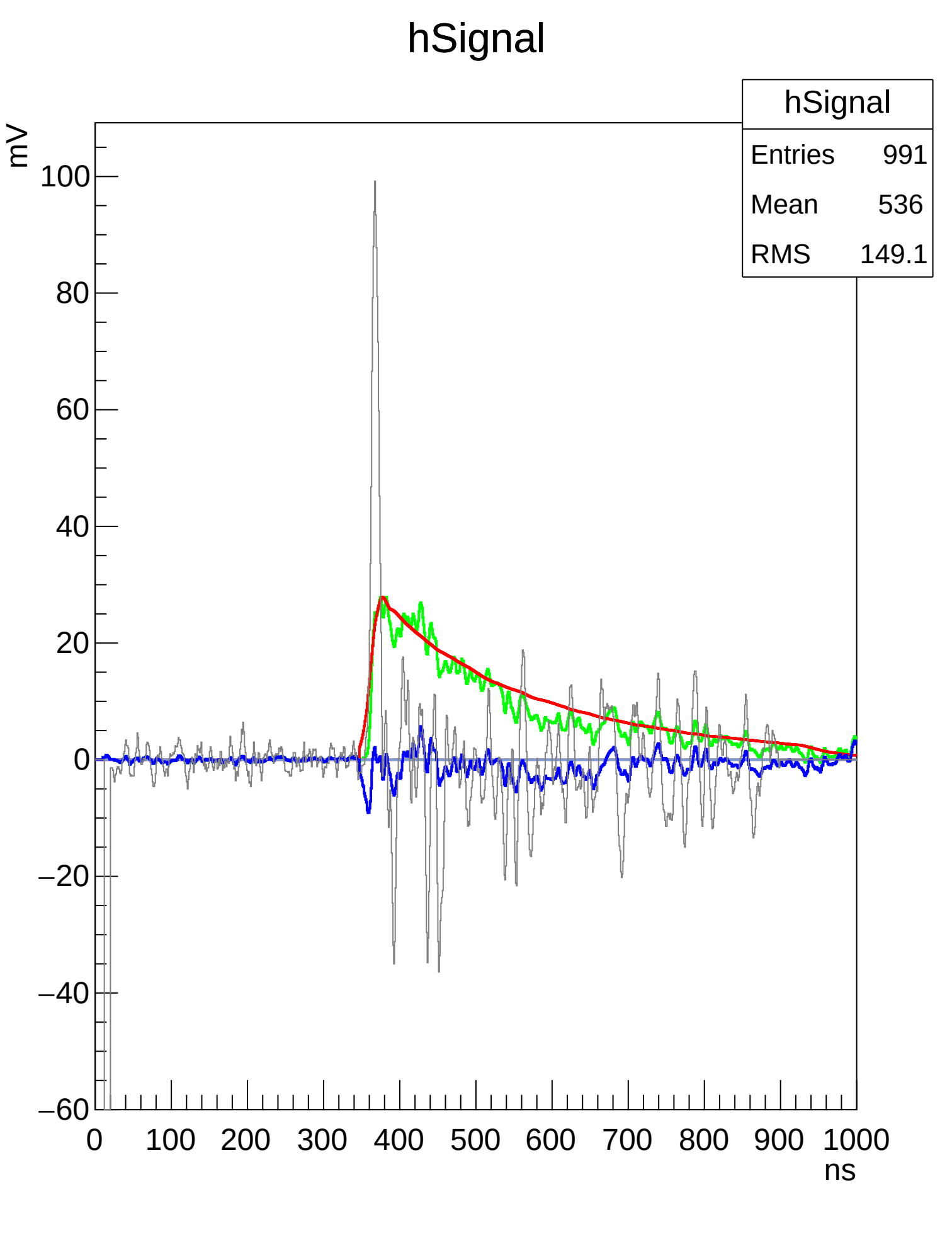
hSignal
hSignal
Entries 991
Mean 536
RMS 149.1
mV
100
80
60
40
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200
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400
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1000
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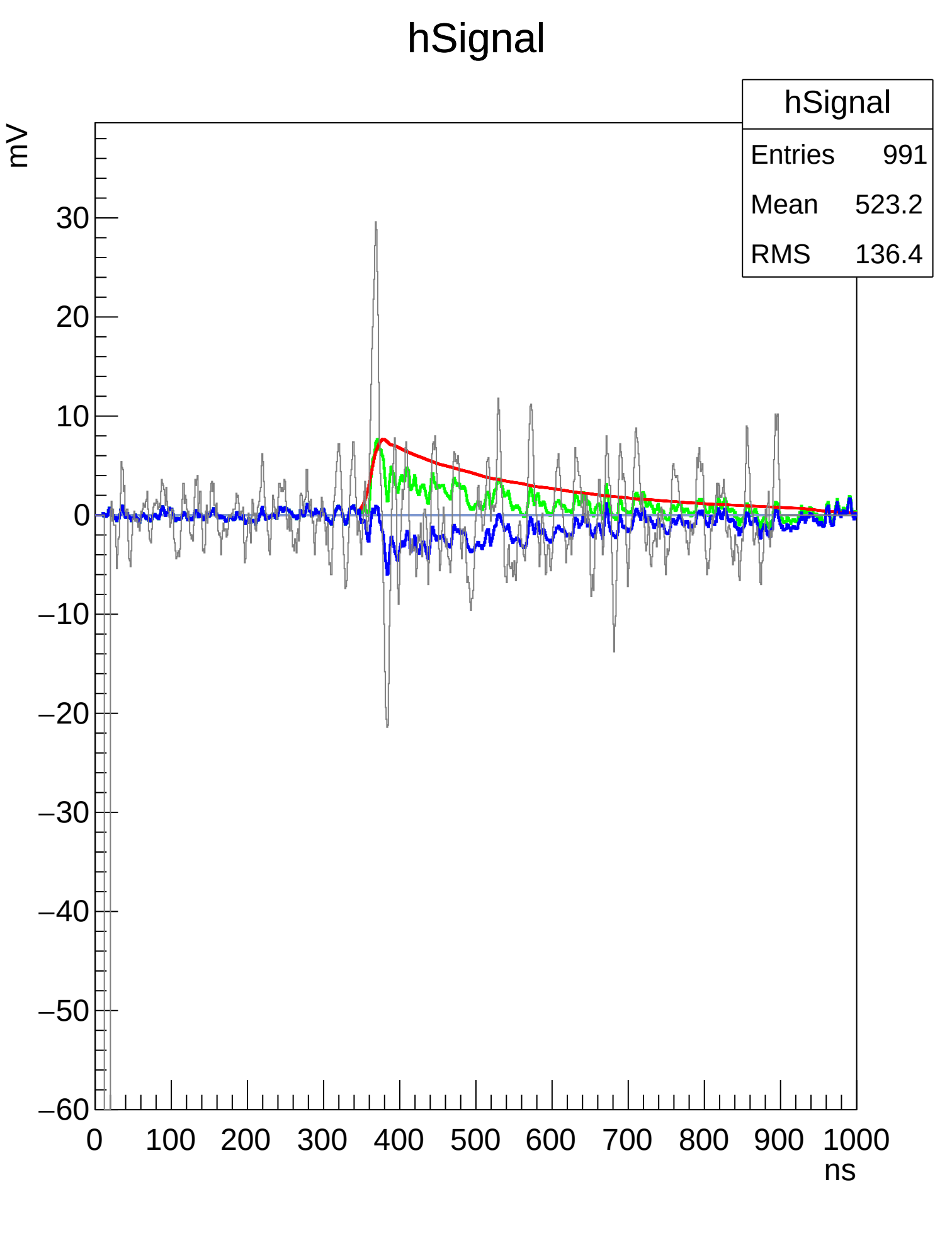
hSignal
hSignal
Entries 991
Mean 523.2
RMS 136.4
mV
30
20
10
0
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−40
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0
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400
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800
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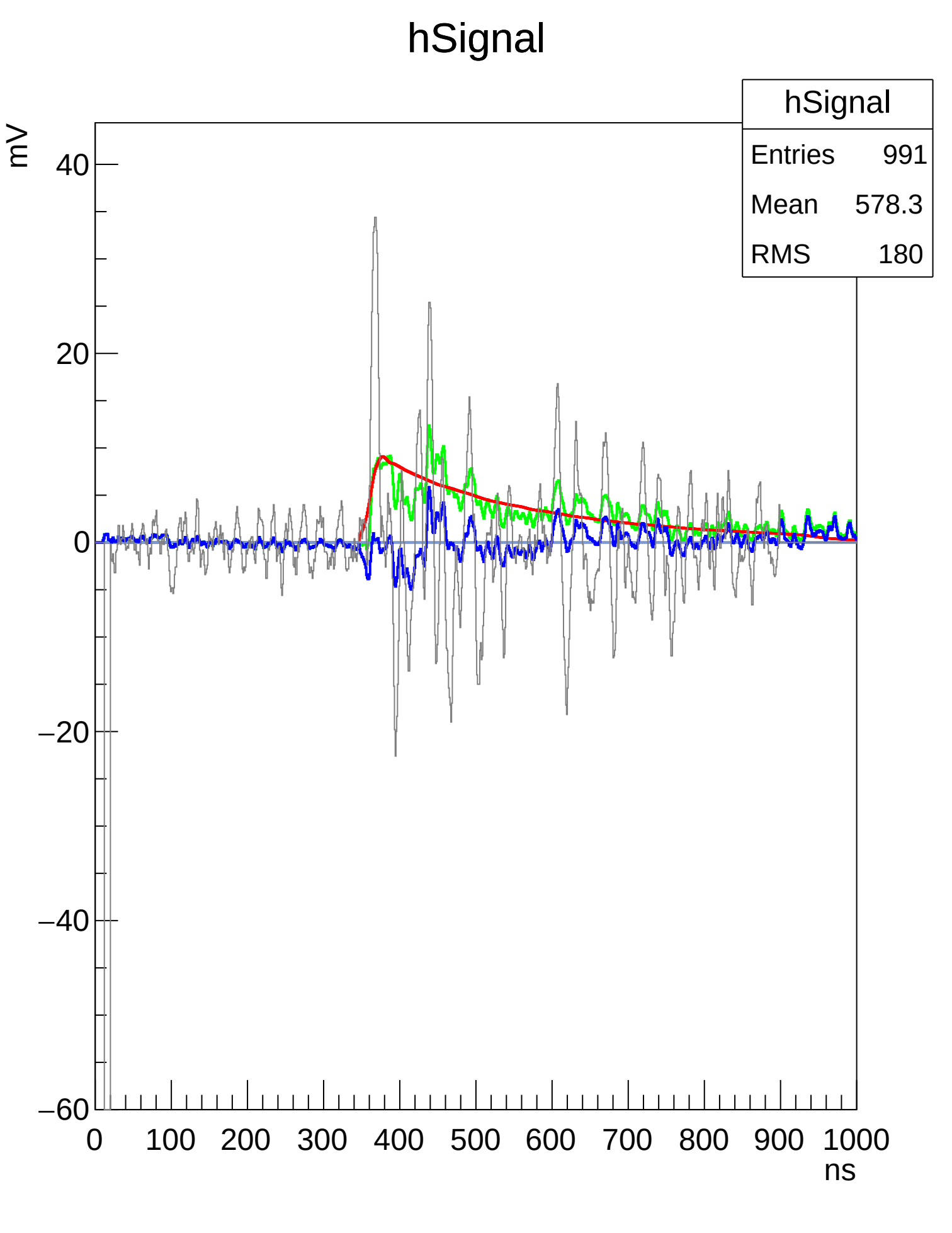
1000
ns


hSignal
hSignal
Entries 991
Mean 578.3
RMS 180
mV
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−40
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0
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800
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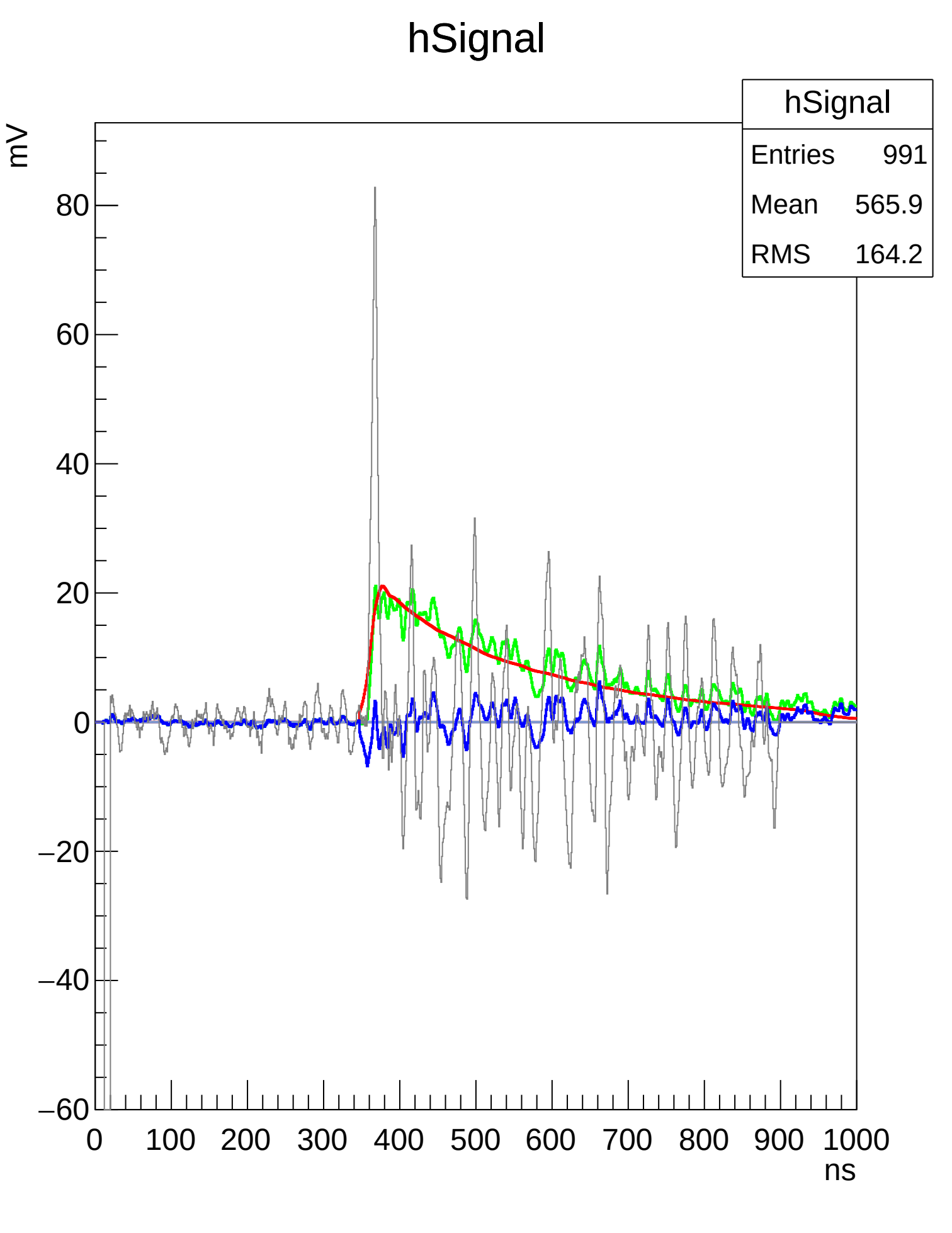
1000
ns


hSignal
hSignal
Entries 991
Mean 565.9
RMS 164.2
mV
80
60
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1000
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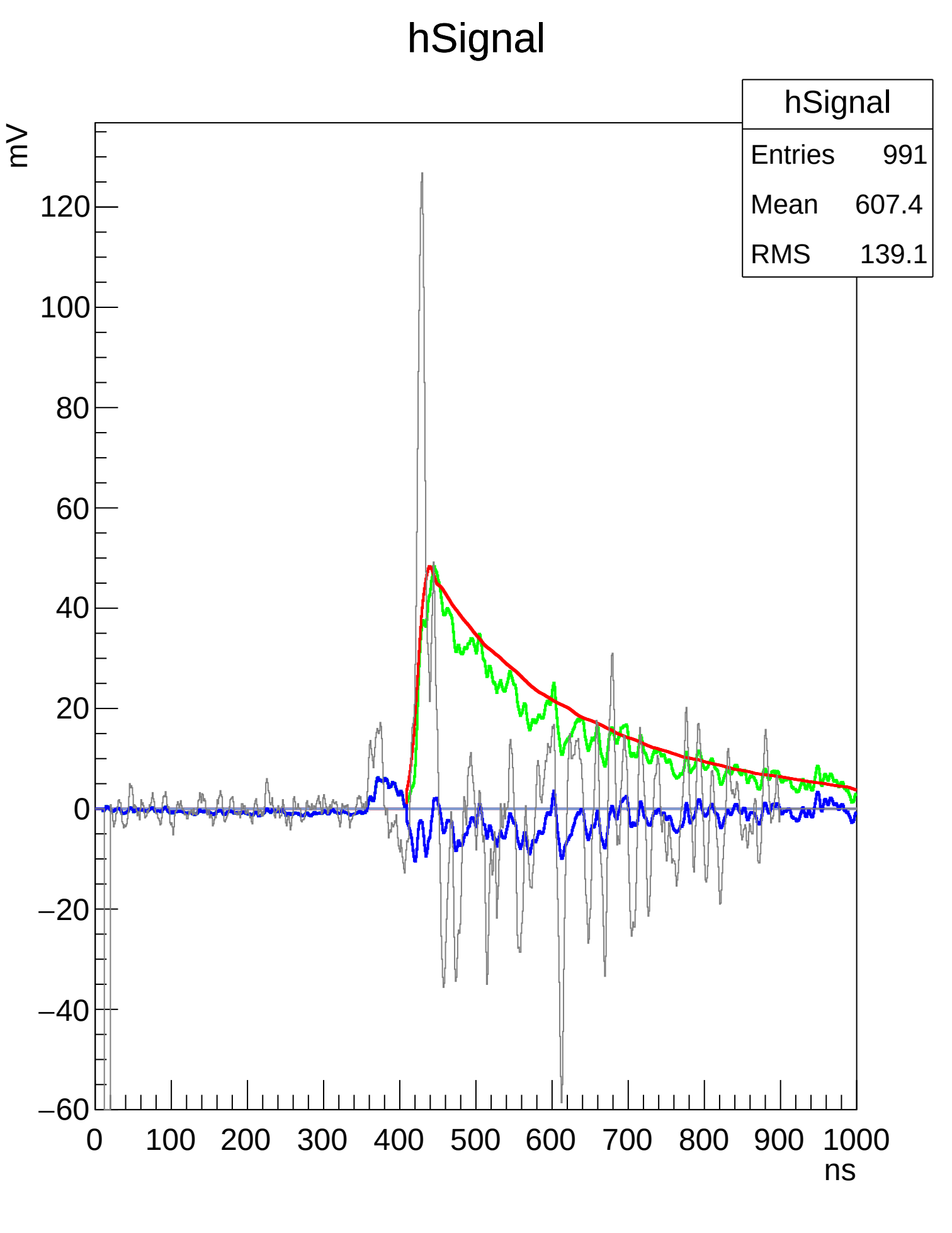
hSignal
hSignal
Entries 991
Mean 607.4
RMS 139.1
mV
120
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
500
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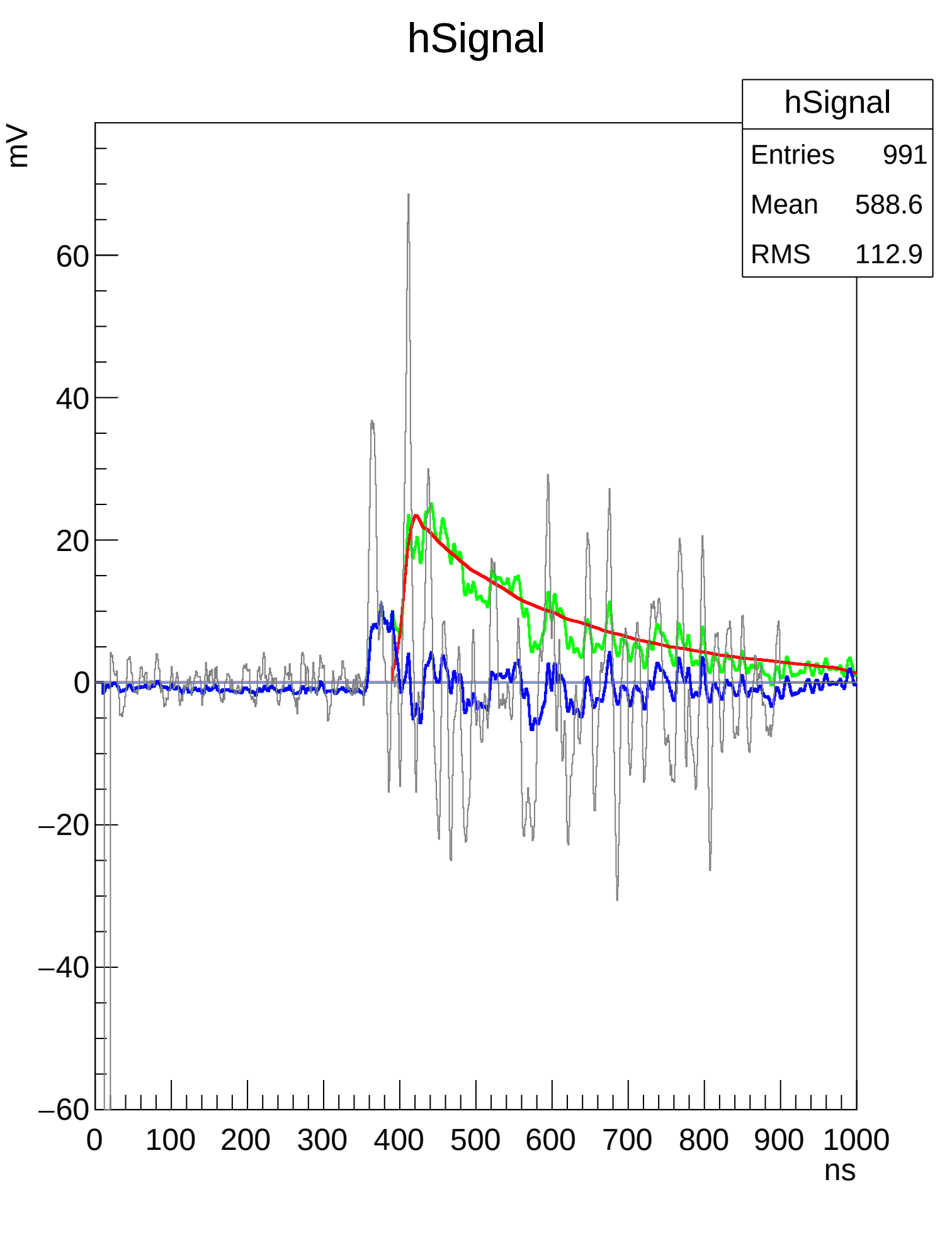
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.6
RMS 112.9
mV
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40
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−20
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0
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300
400
500
600
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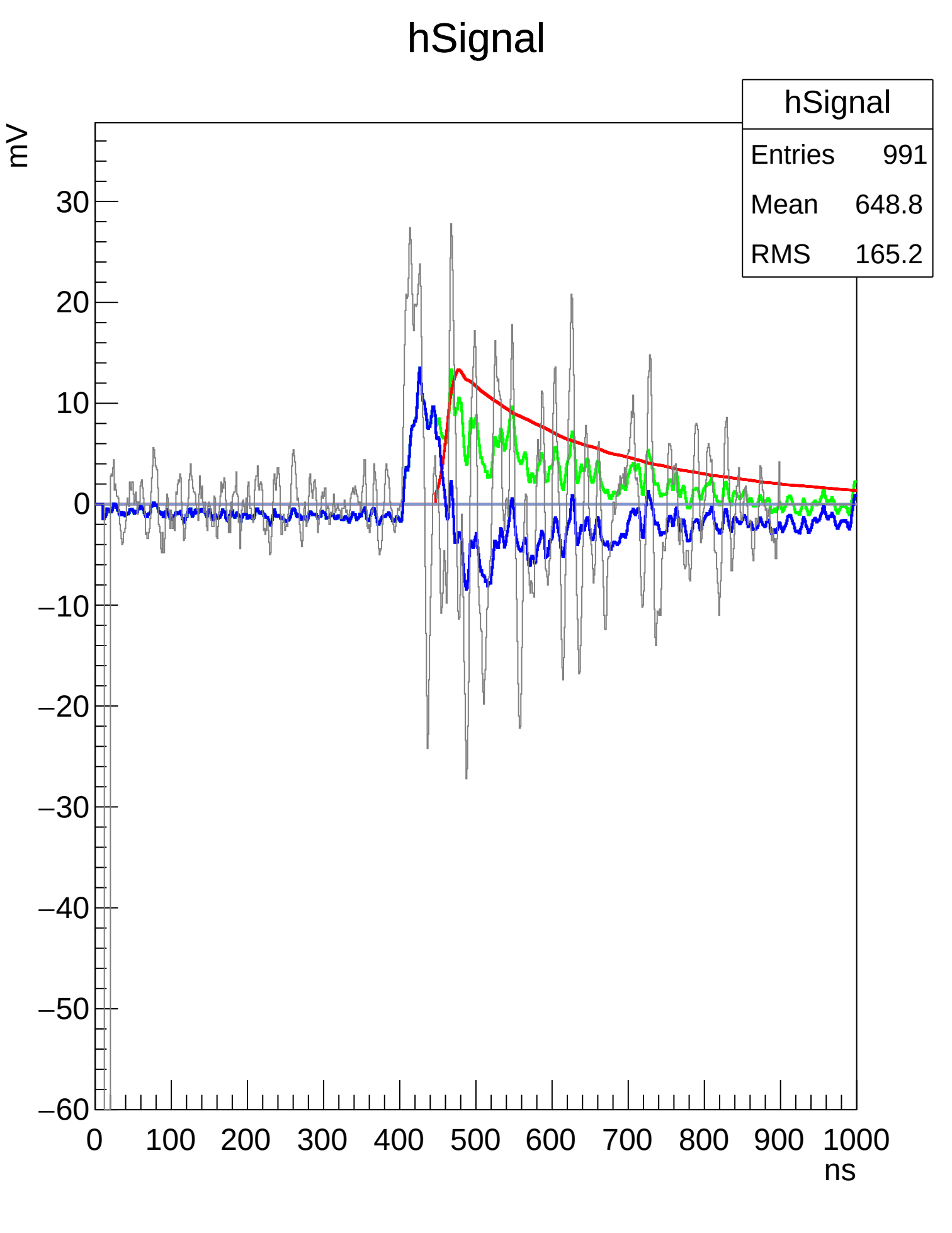
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 648.8
RMS 165.2
mV
30
20
10
0
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−40
−50
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0
100
200
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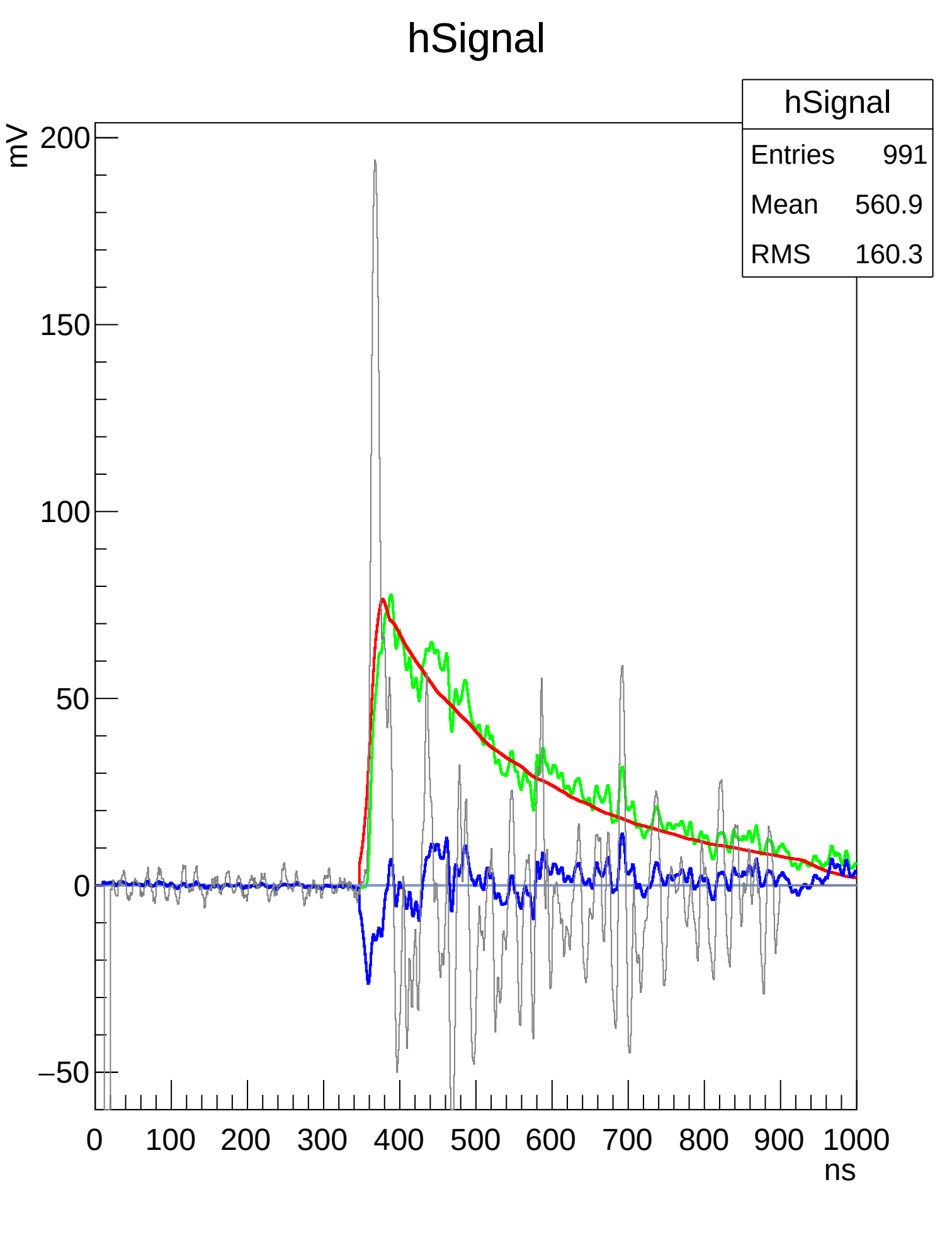
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.9
RMS 160.3
mV
200
150
100
50
0
−50
0
100
200
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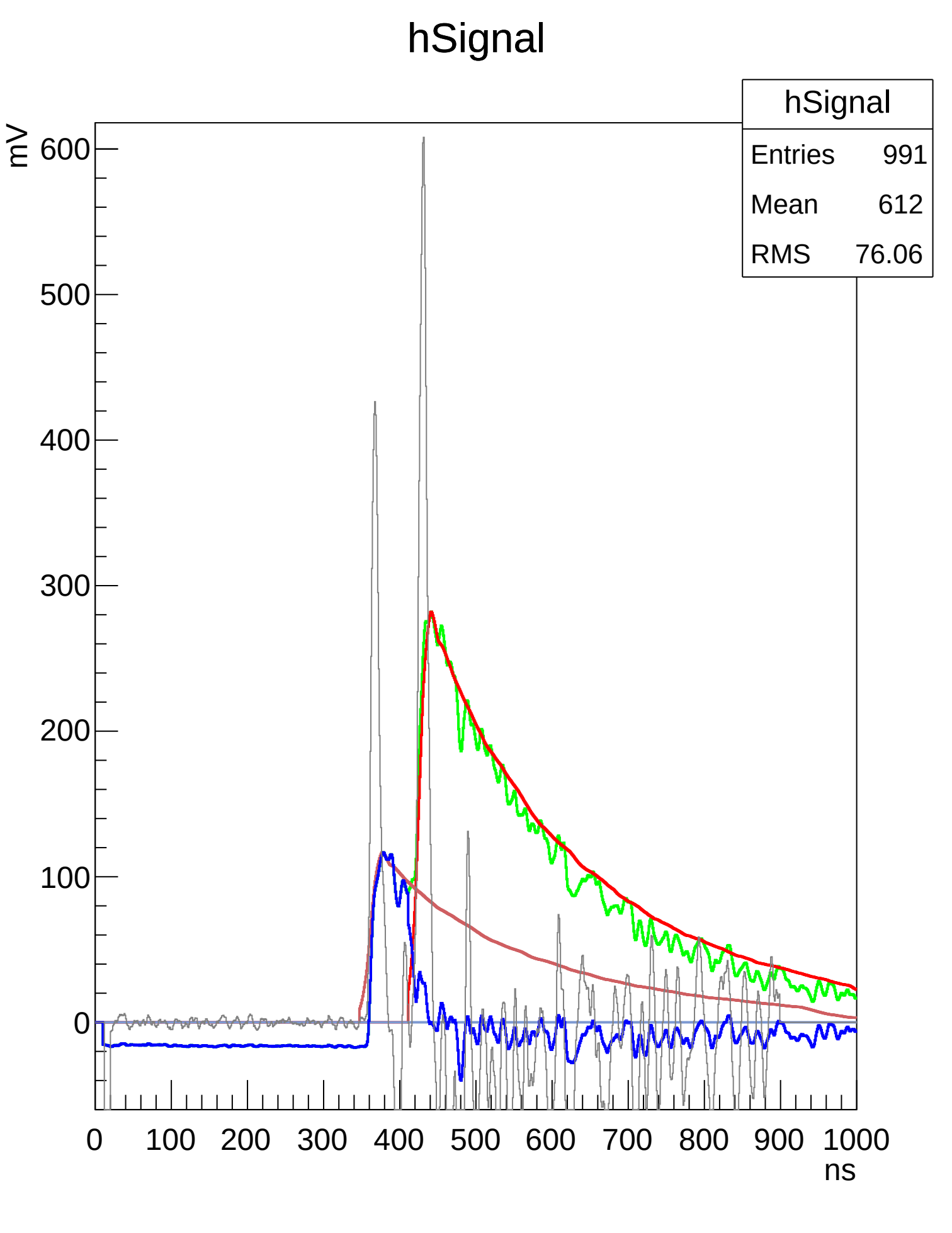
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612
RMS 76.06
mV
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300
200
100
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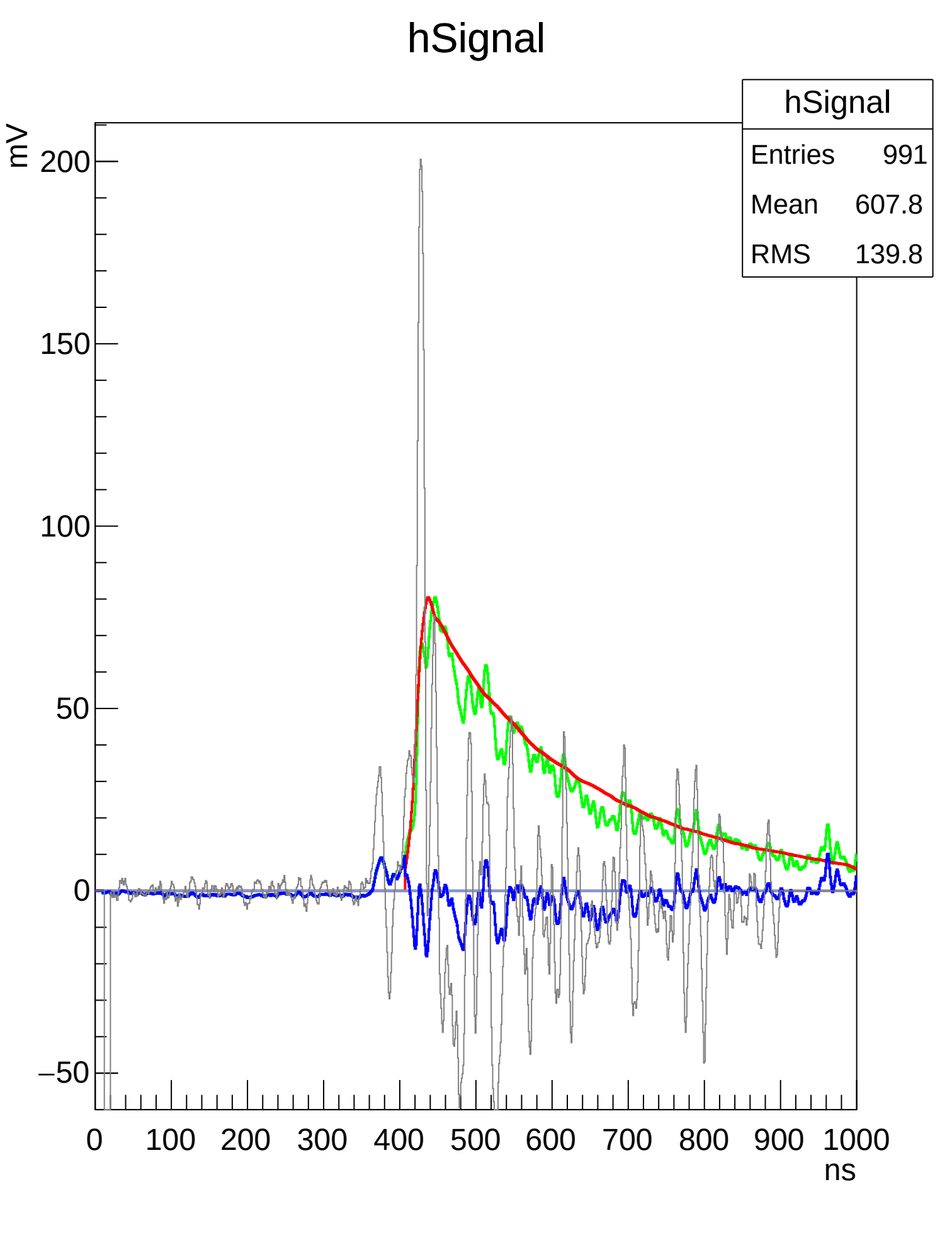
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.8
RMS 139.8
mV
200
150
100
50
0
−50
0
100
200
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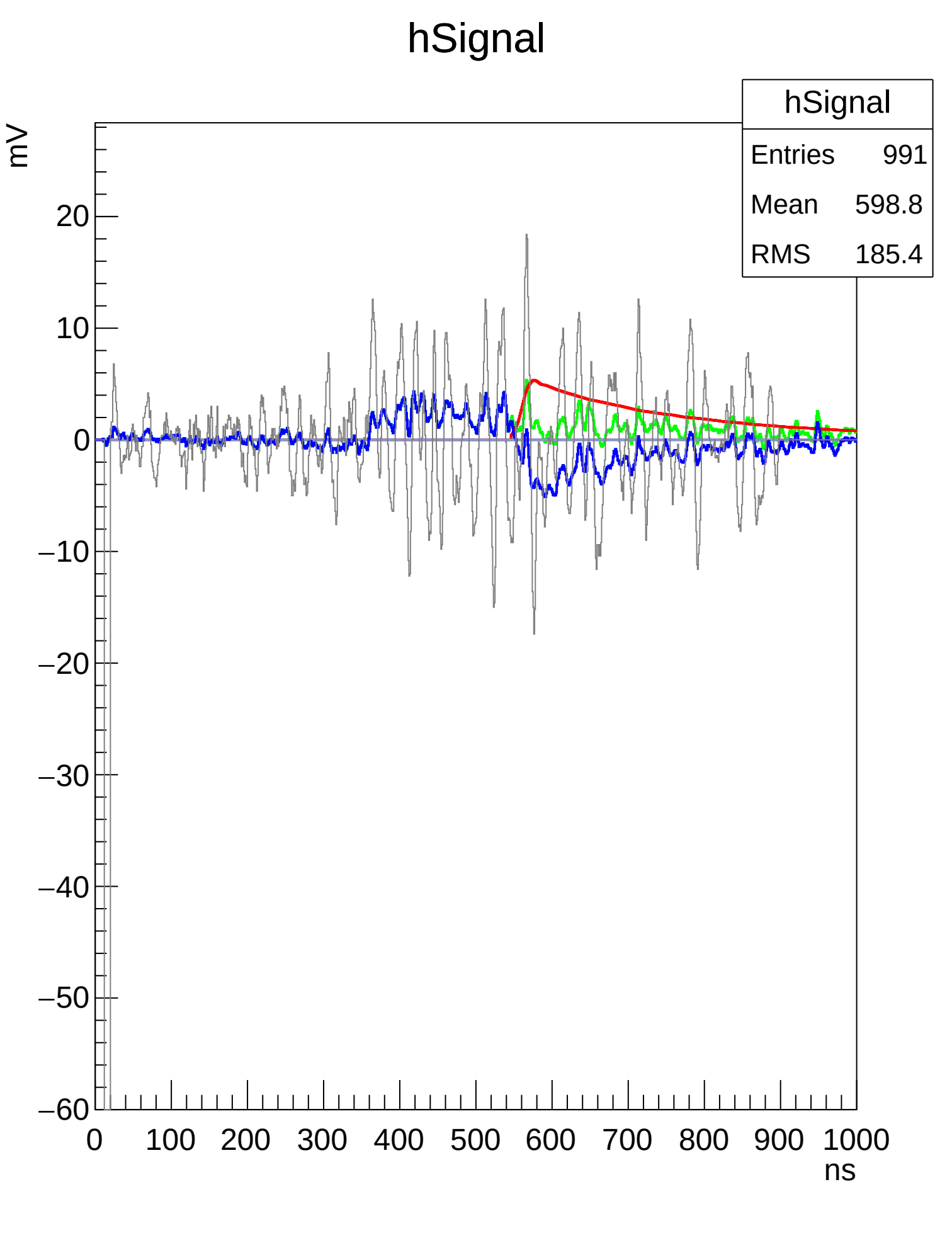
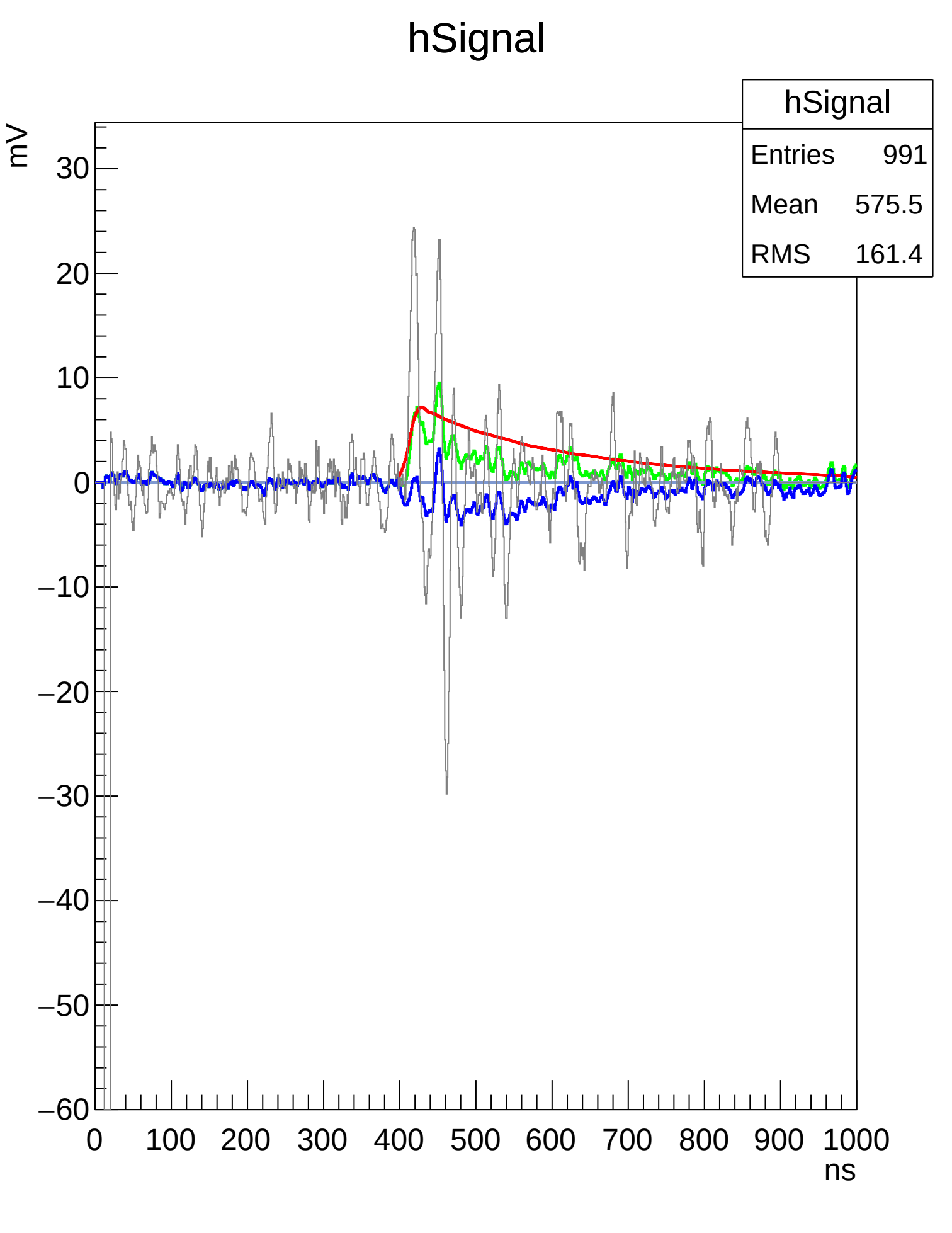
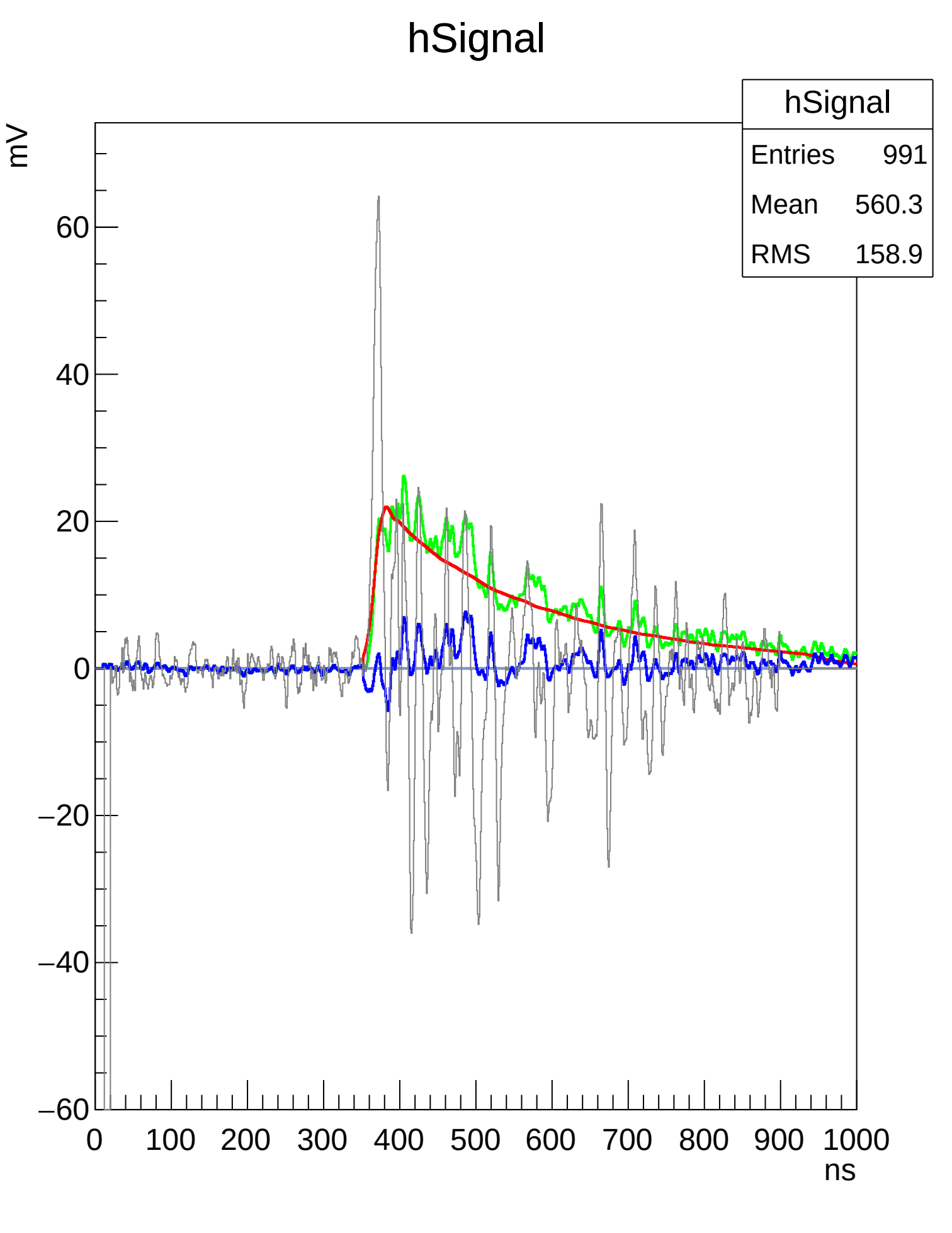
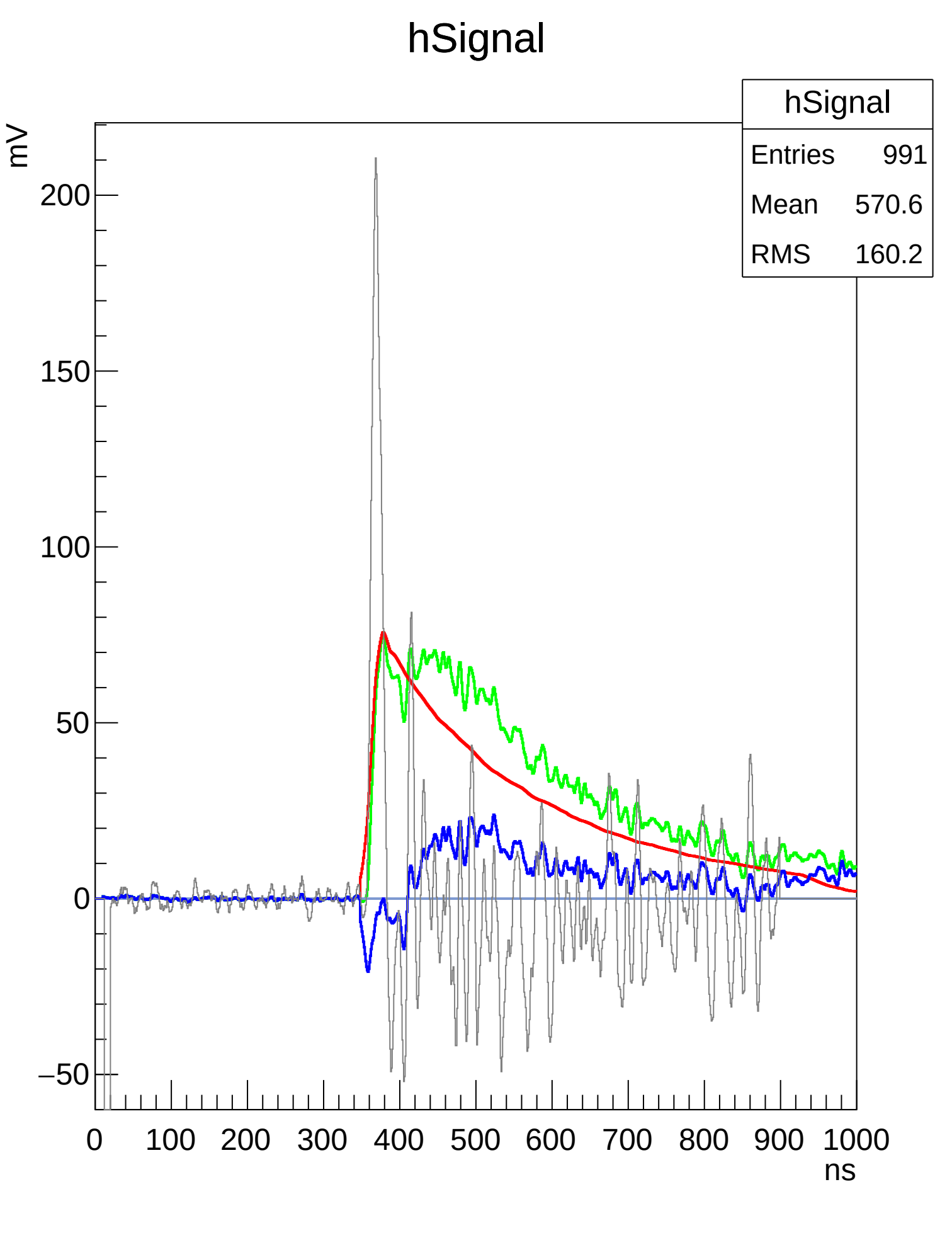
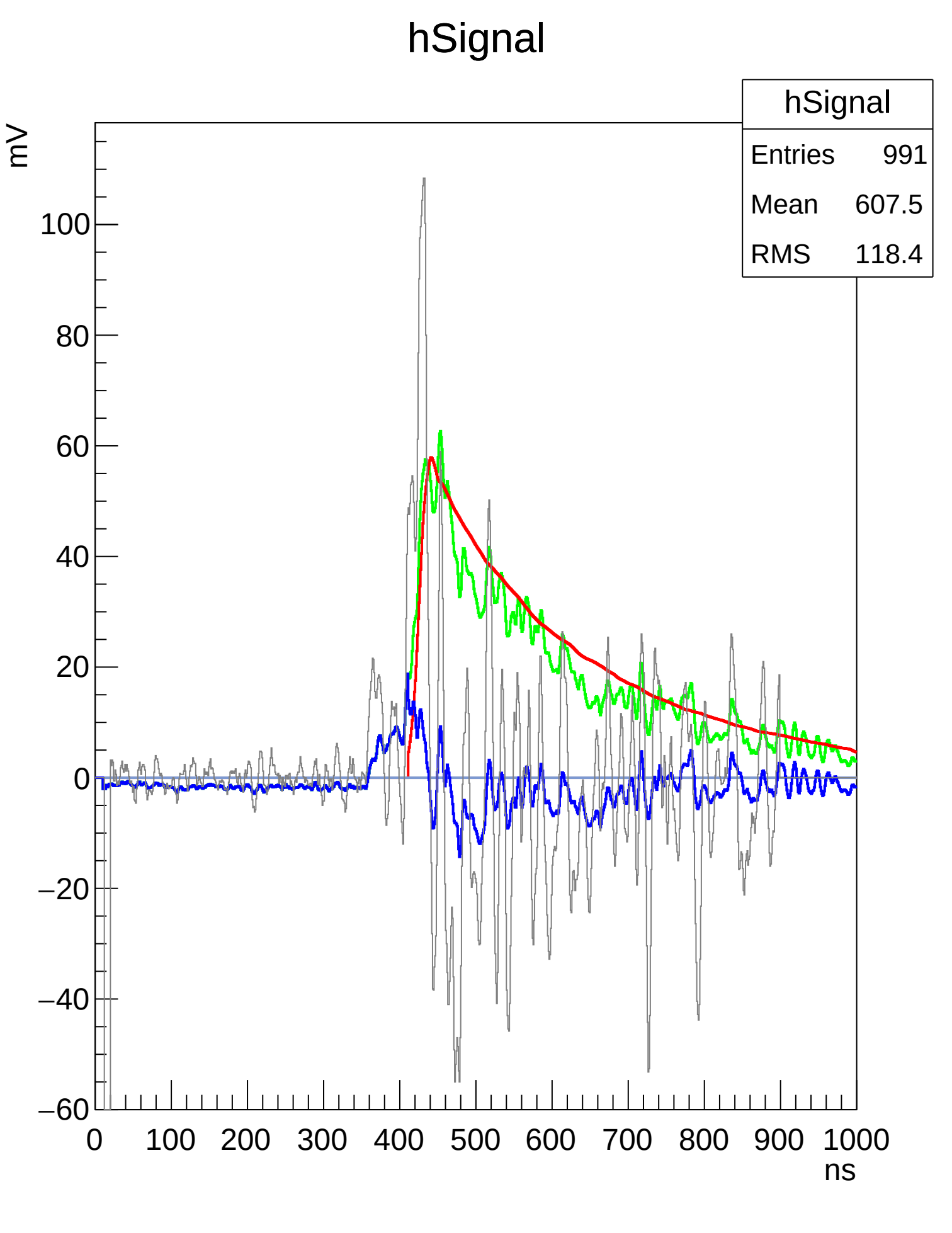
600
700
800
900
1000
ns

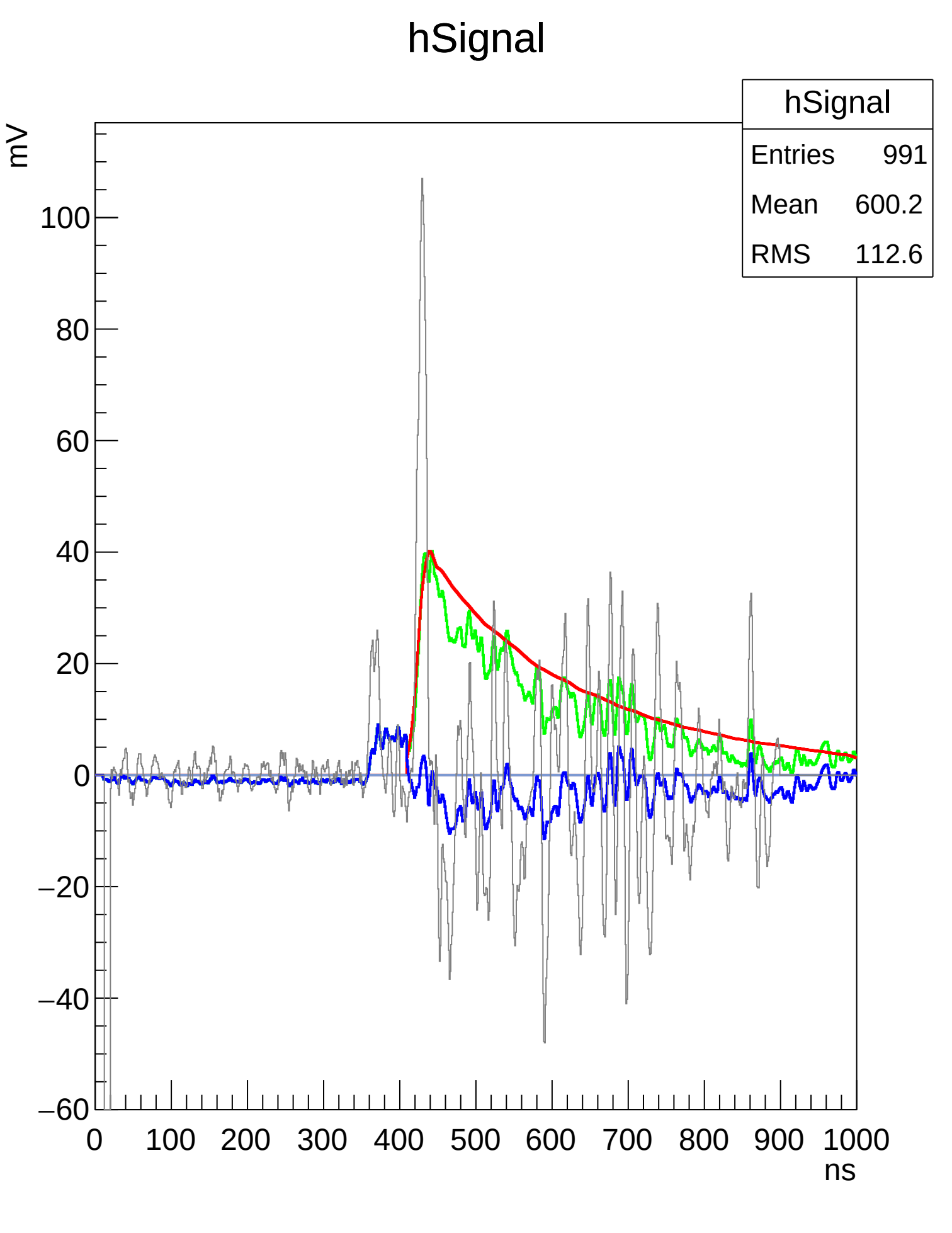

hSignal
hSignal
Entries 991
Mean 598.8
RMS 185.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.5
RMS 161.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.3
RMS 158.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 160.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.5
RMS 118.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.2
RMS 112.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
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300
400
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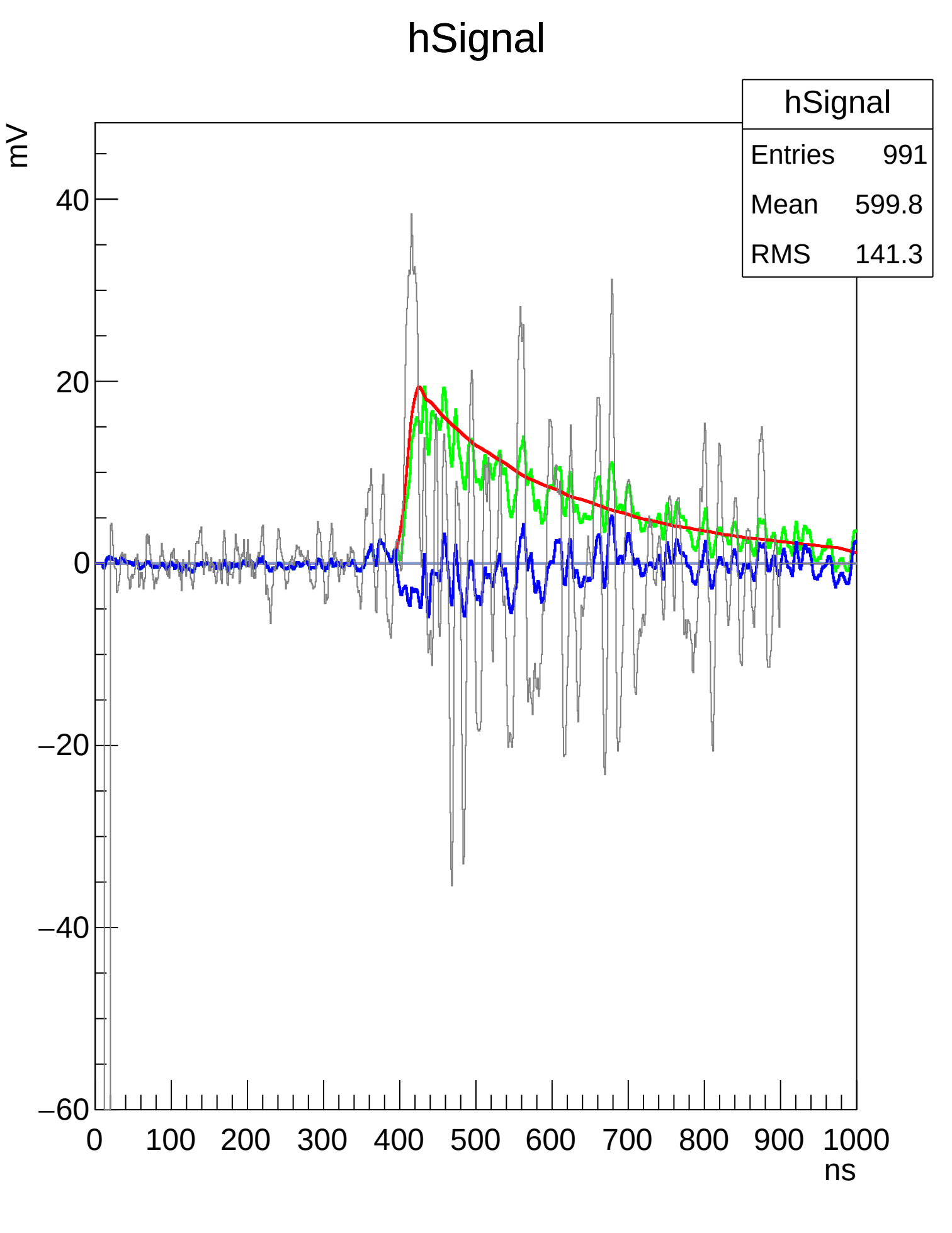
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.8
RMS 141.3
mV
40
20
0
−20
−40
−60
0
100
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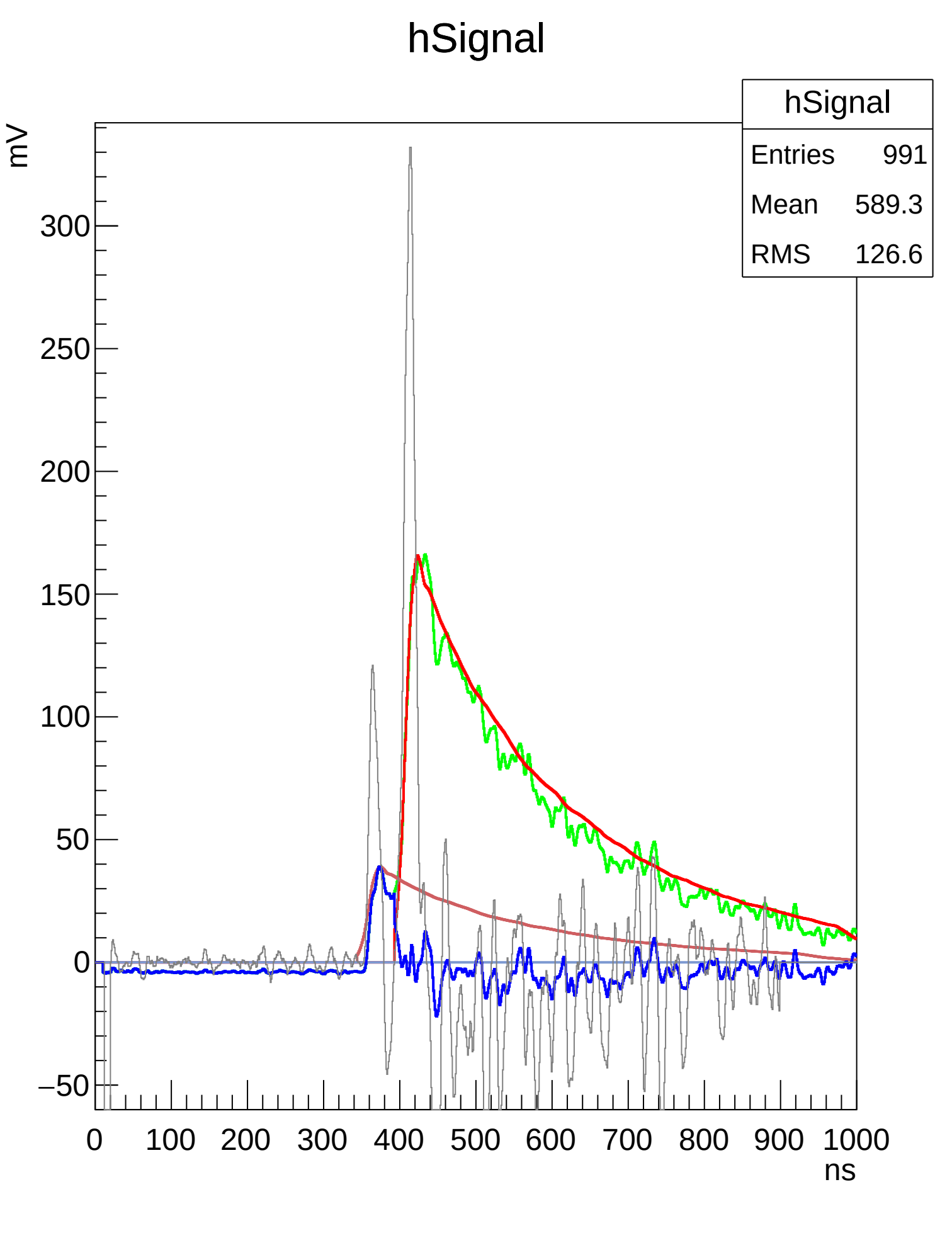
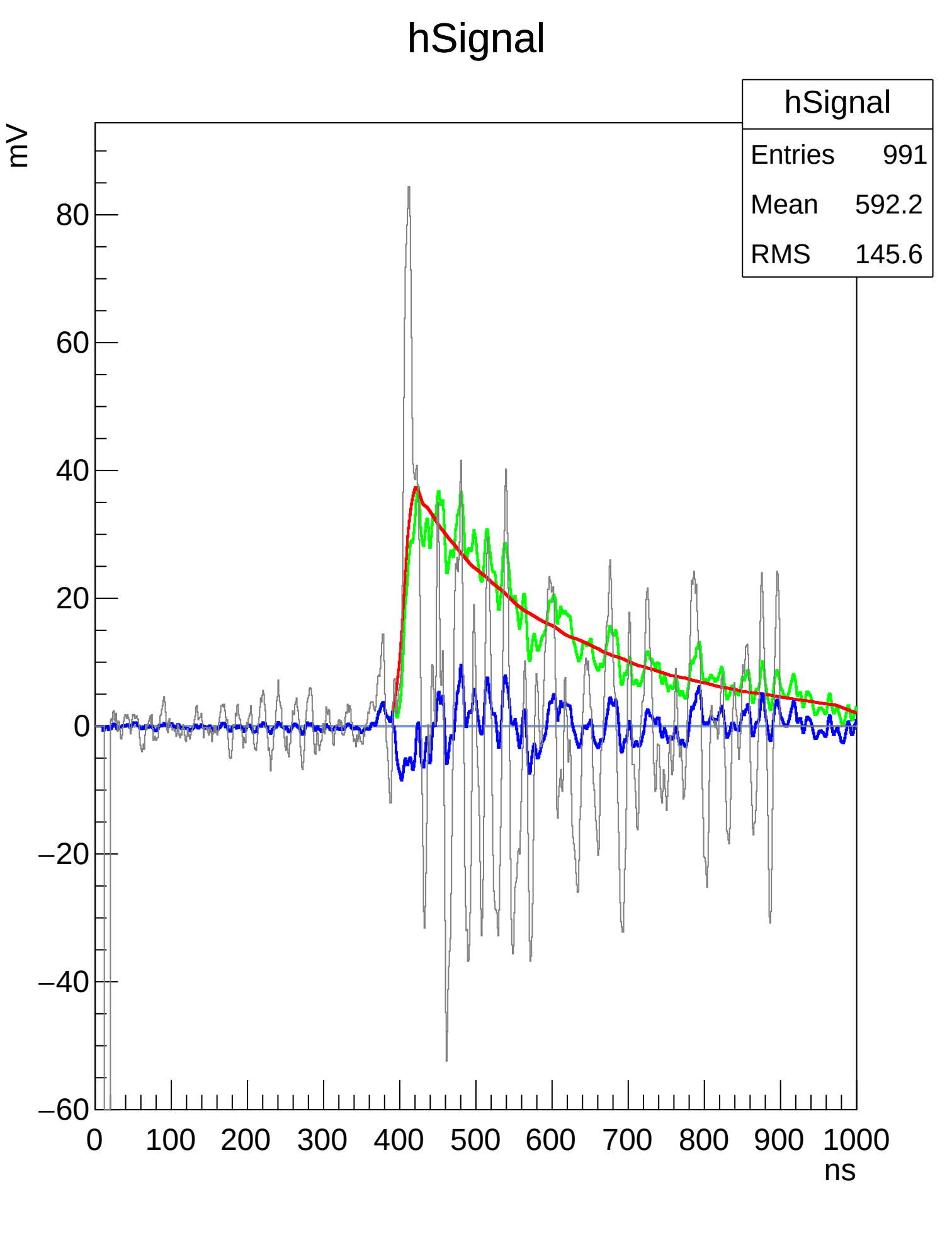
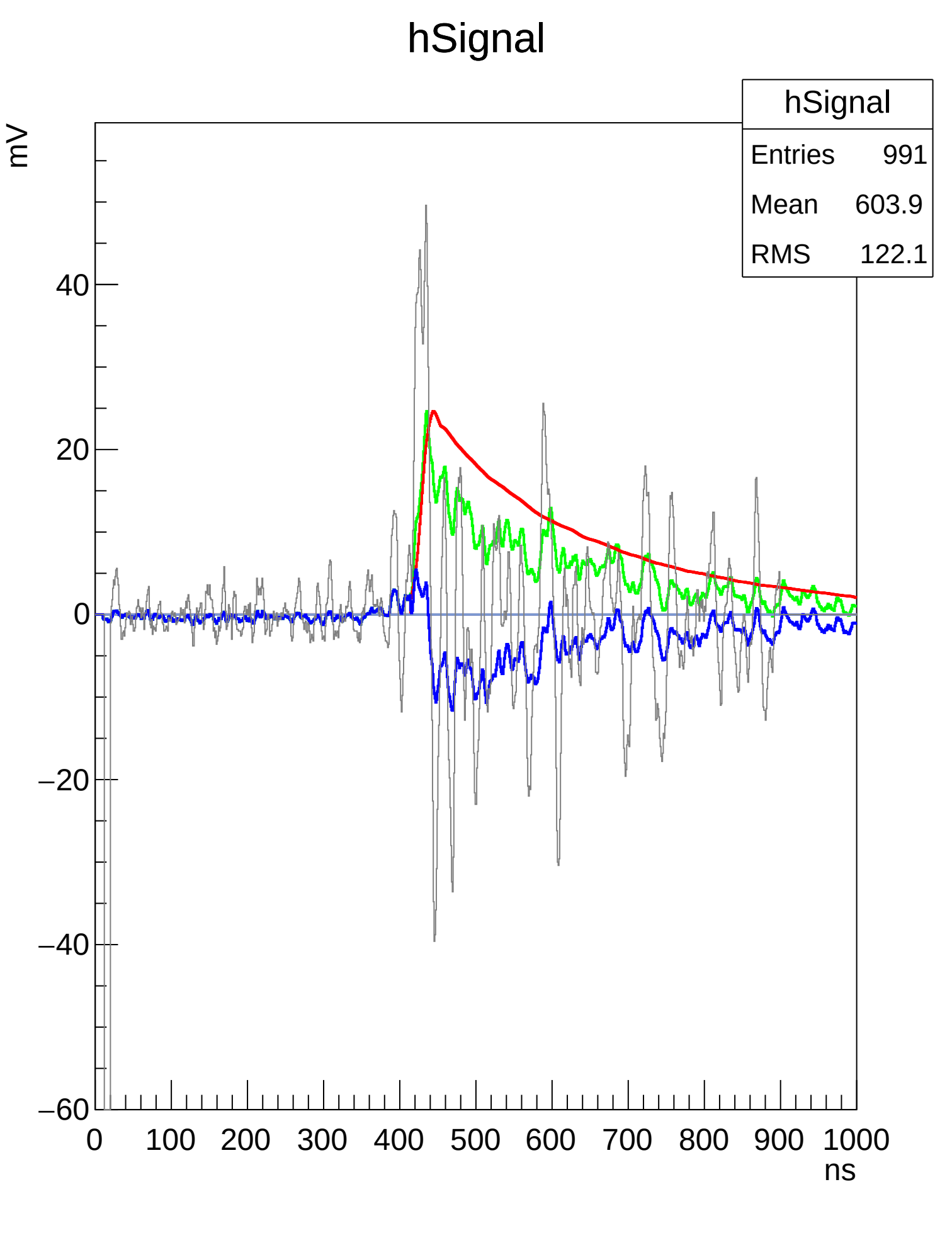
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.3
RMS 126.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.2
RMS 145.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.9
RMS 122.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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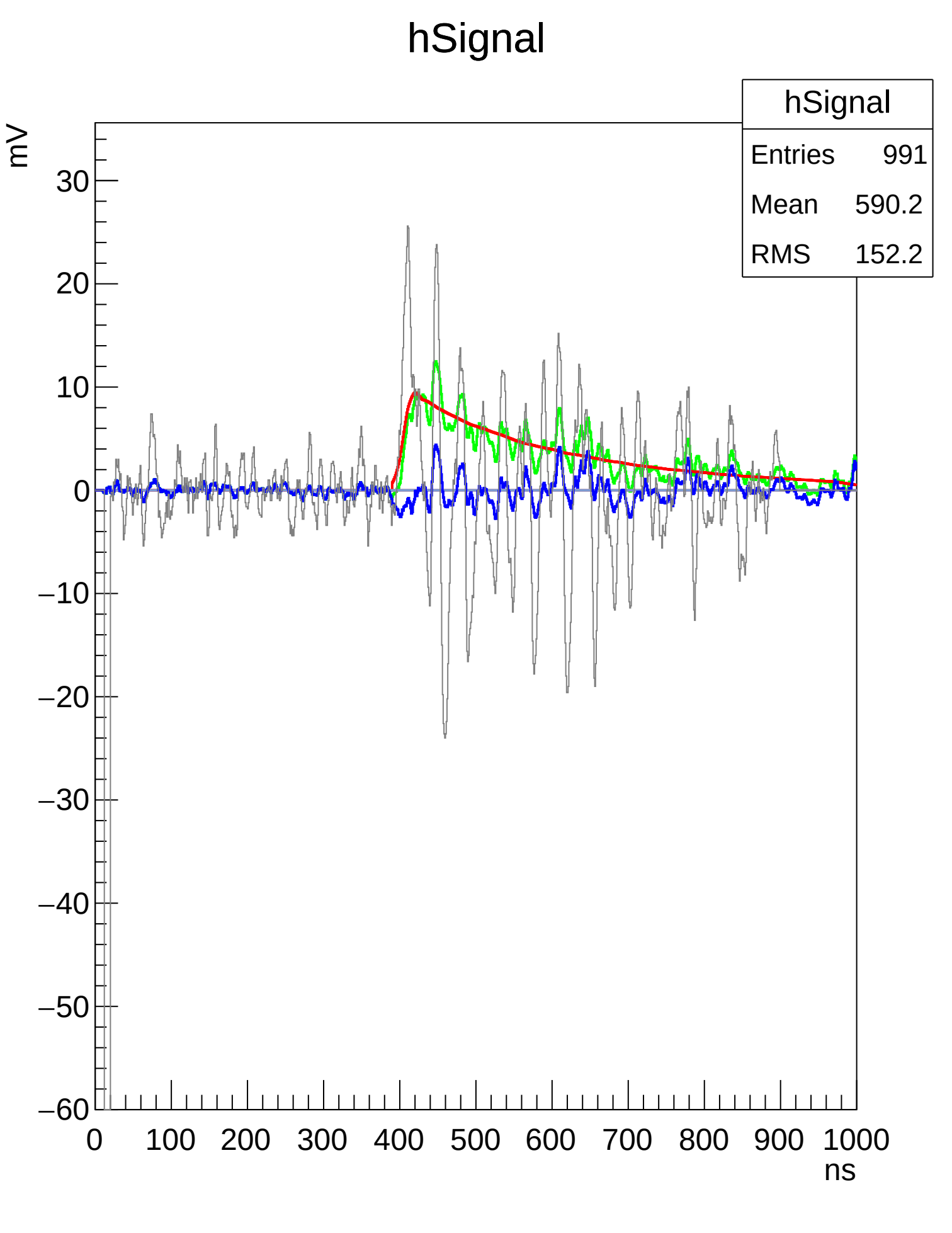
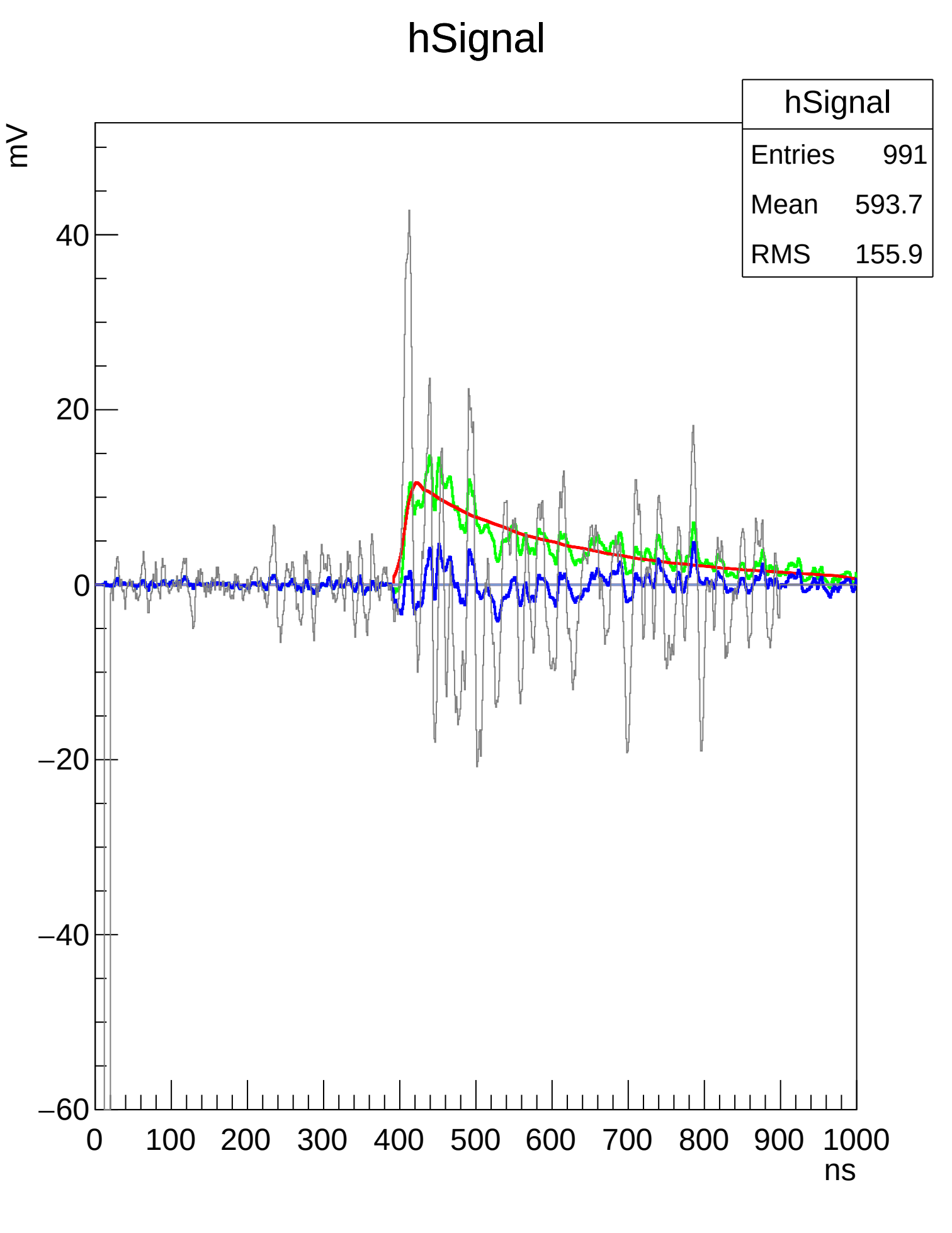
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.2
RMS 152.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.7
RMS 155.9
mV
40
20
0
−20
−40
−60
0
100
200
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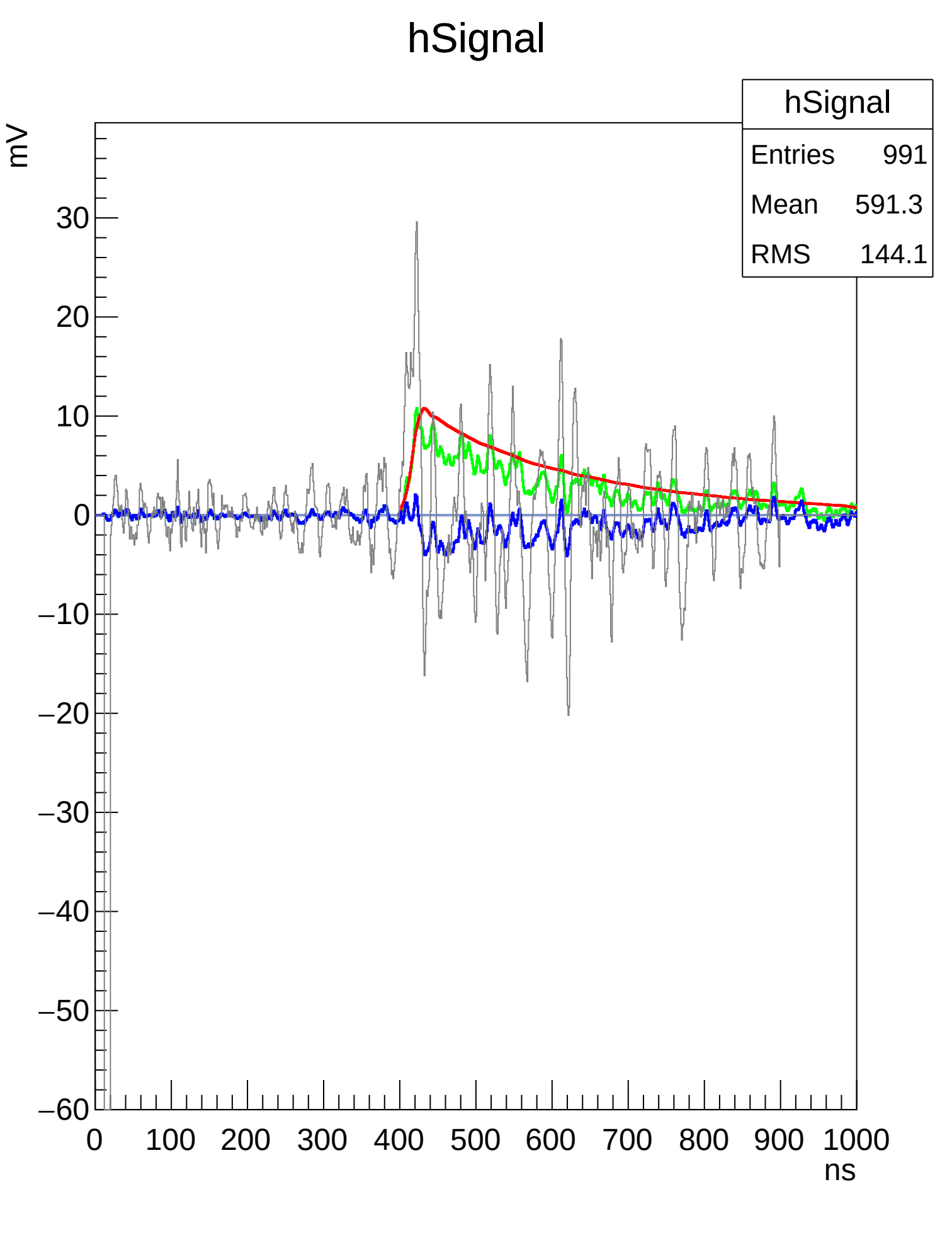
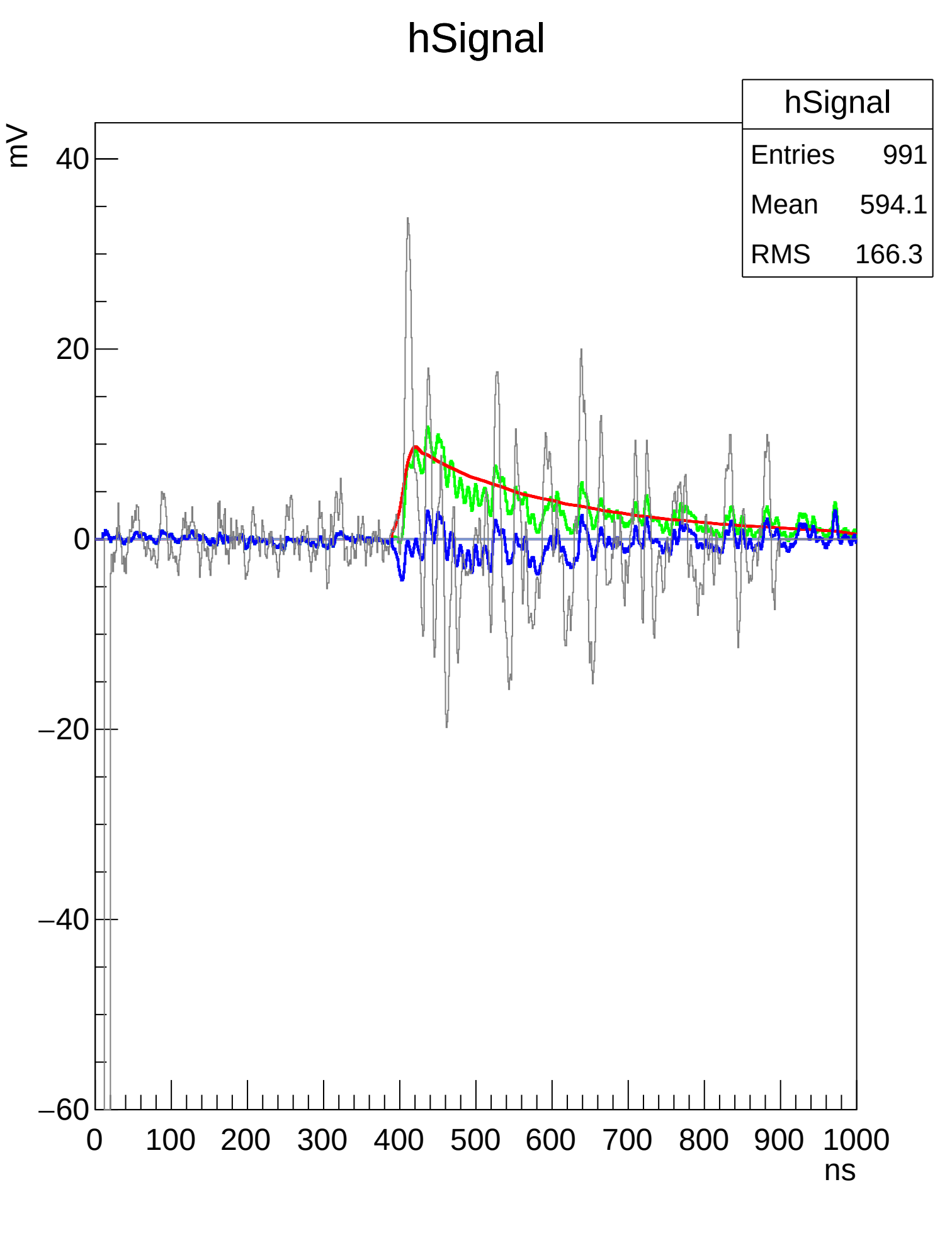
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.3
RMS 144.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.1
RMS 166.3
mV
40
20
0
−20
−40
−60
0
100
200
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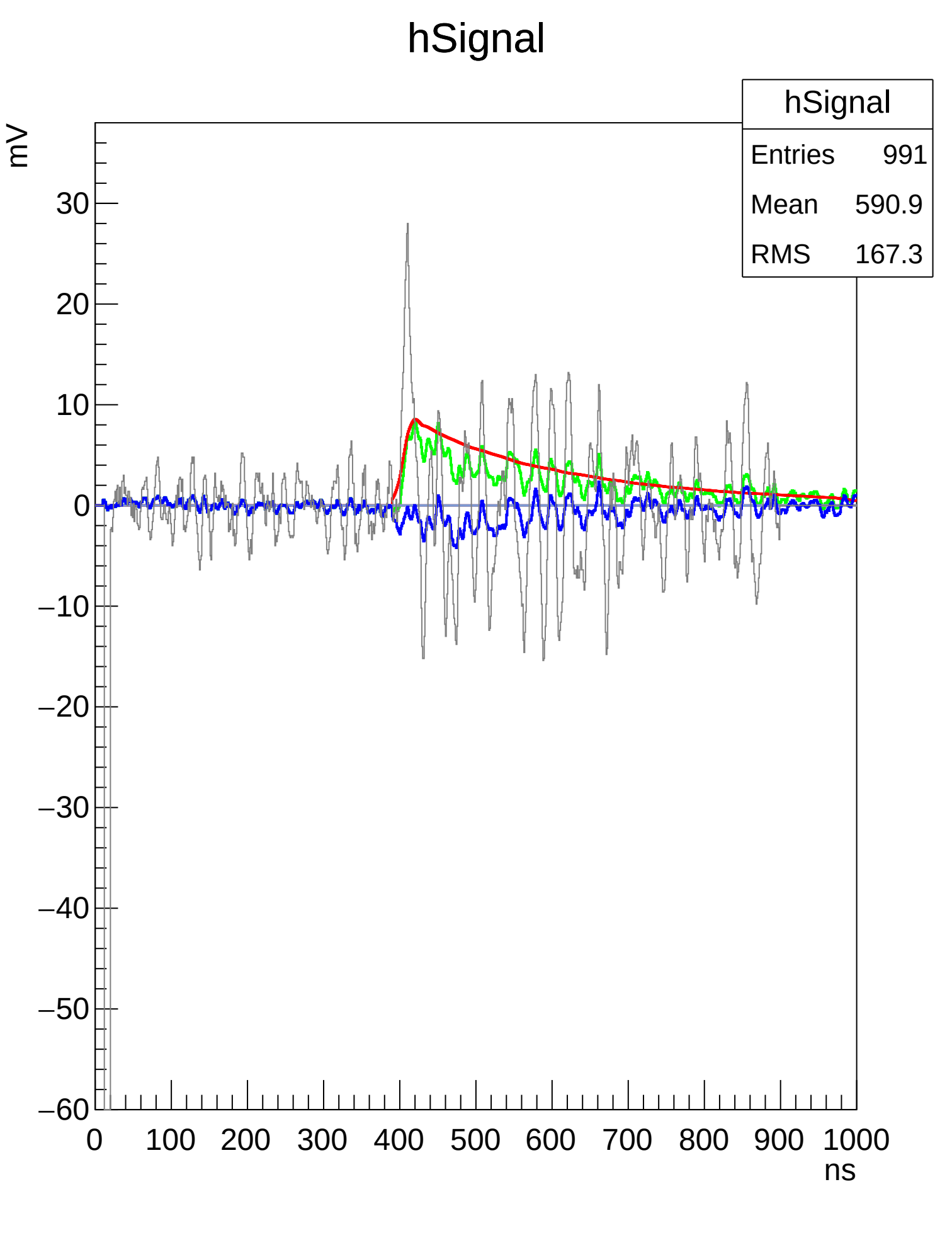
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.9
RMS 167.3
mV
30
20
10
0
−10
−20
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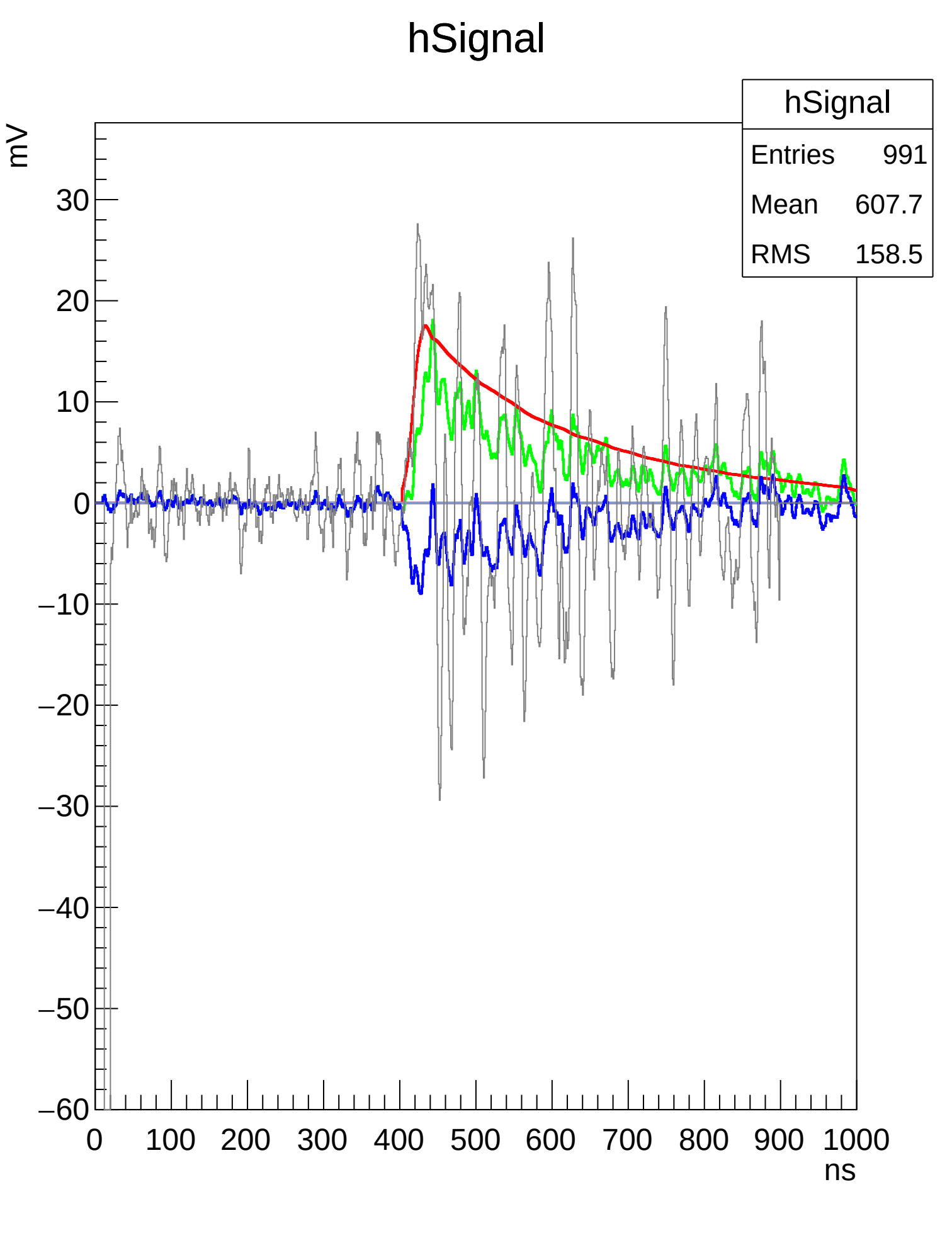
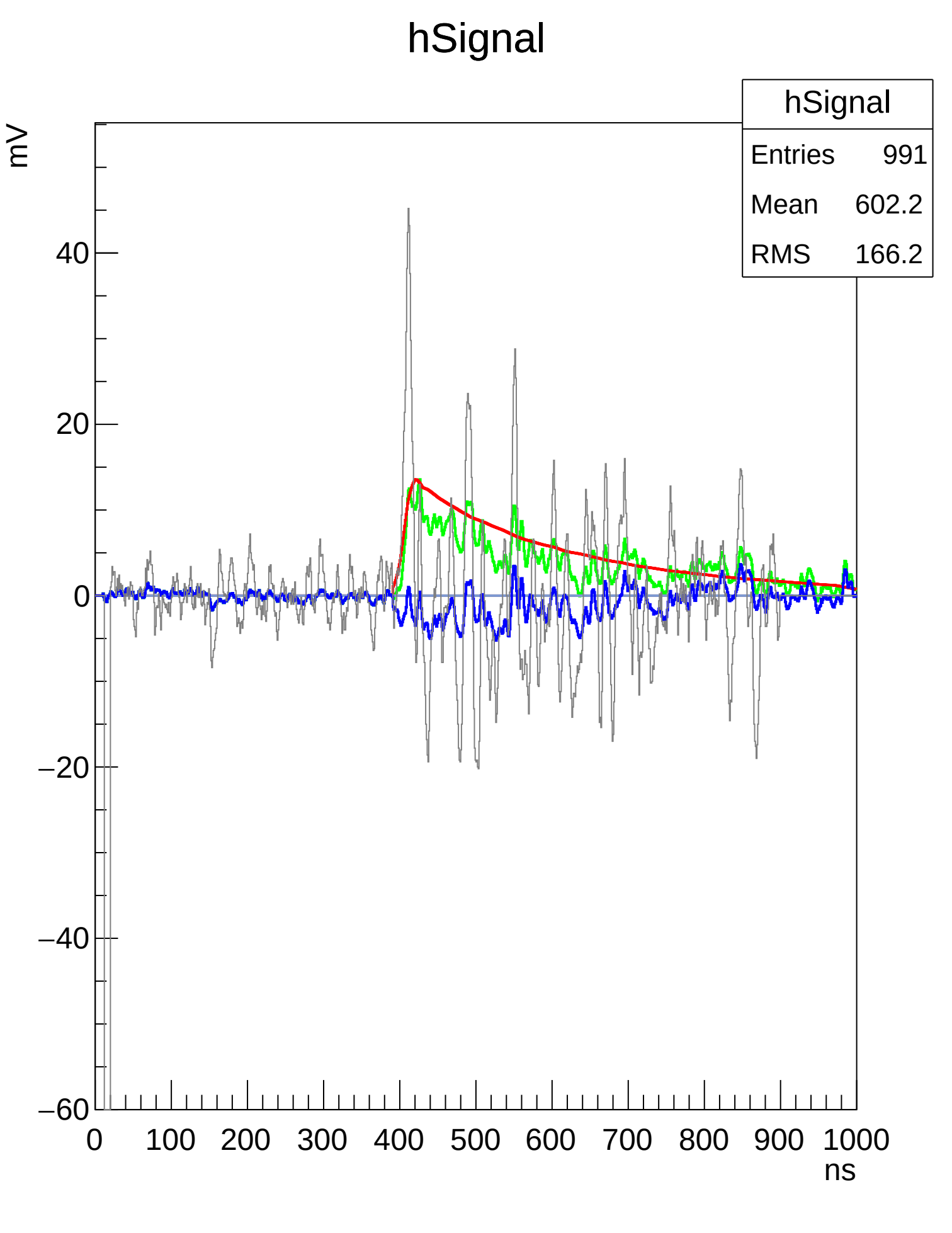
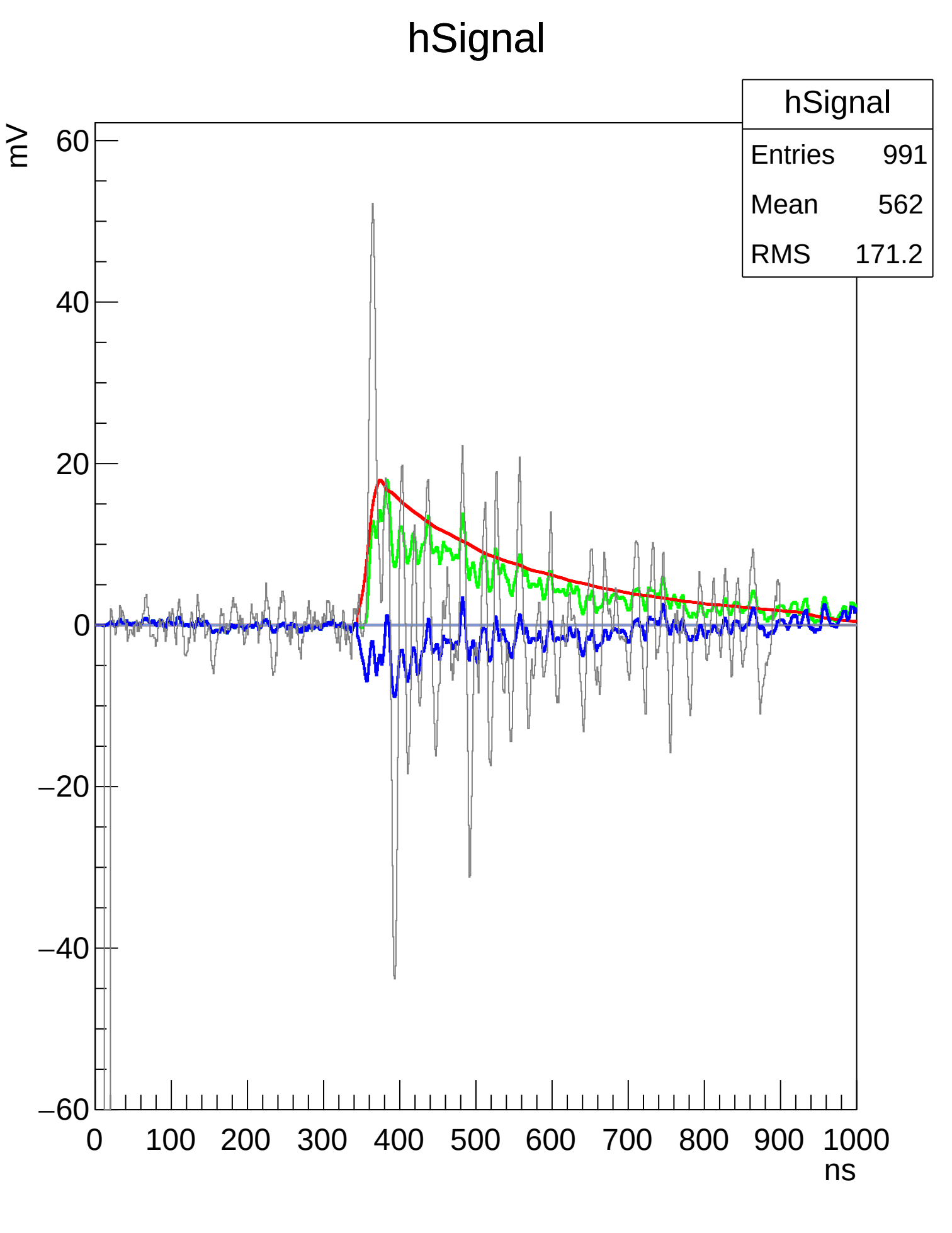
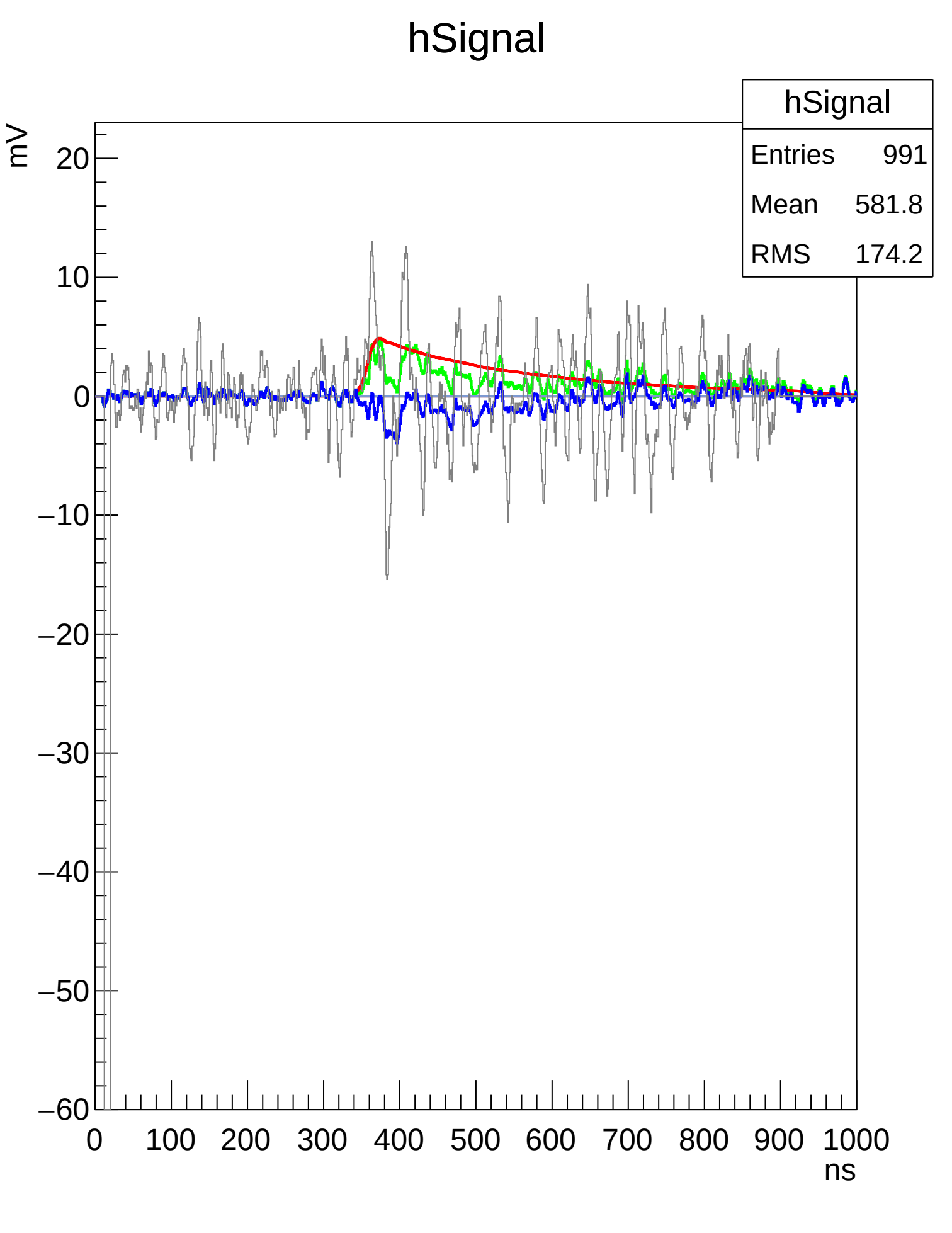
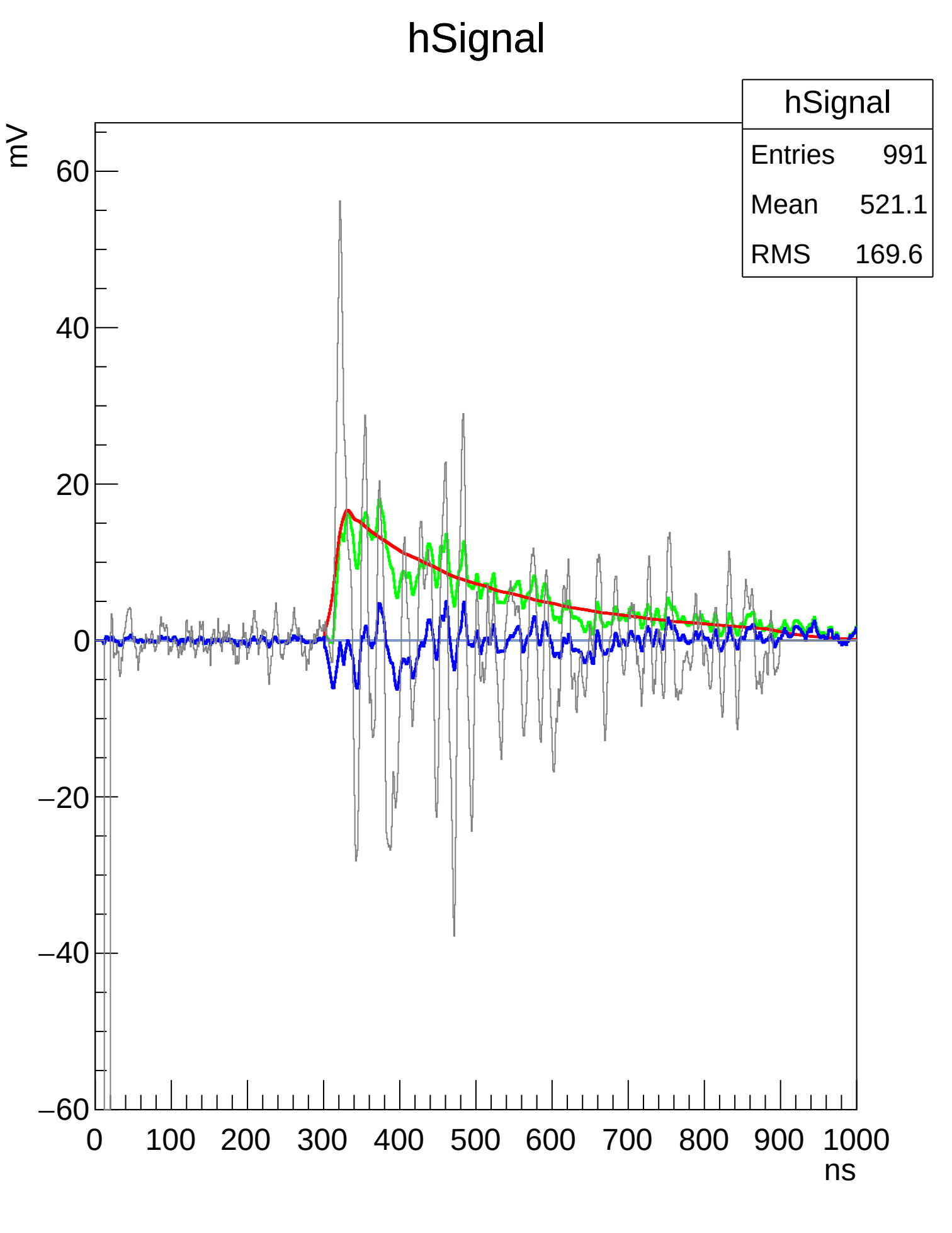
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

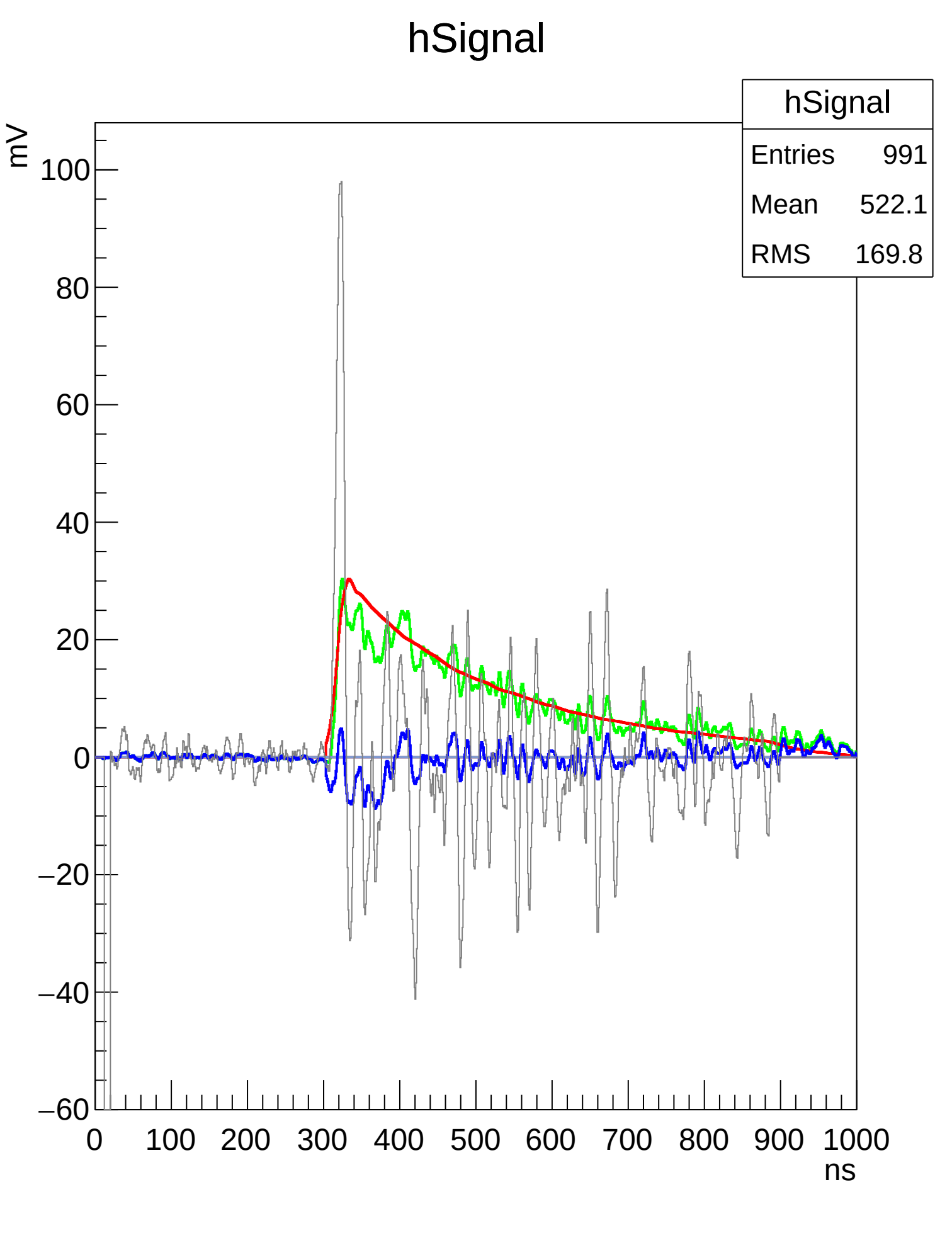

hSignal
hSignal
Entries 991
Mean 607.7
RMS 158.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

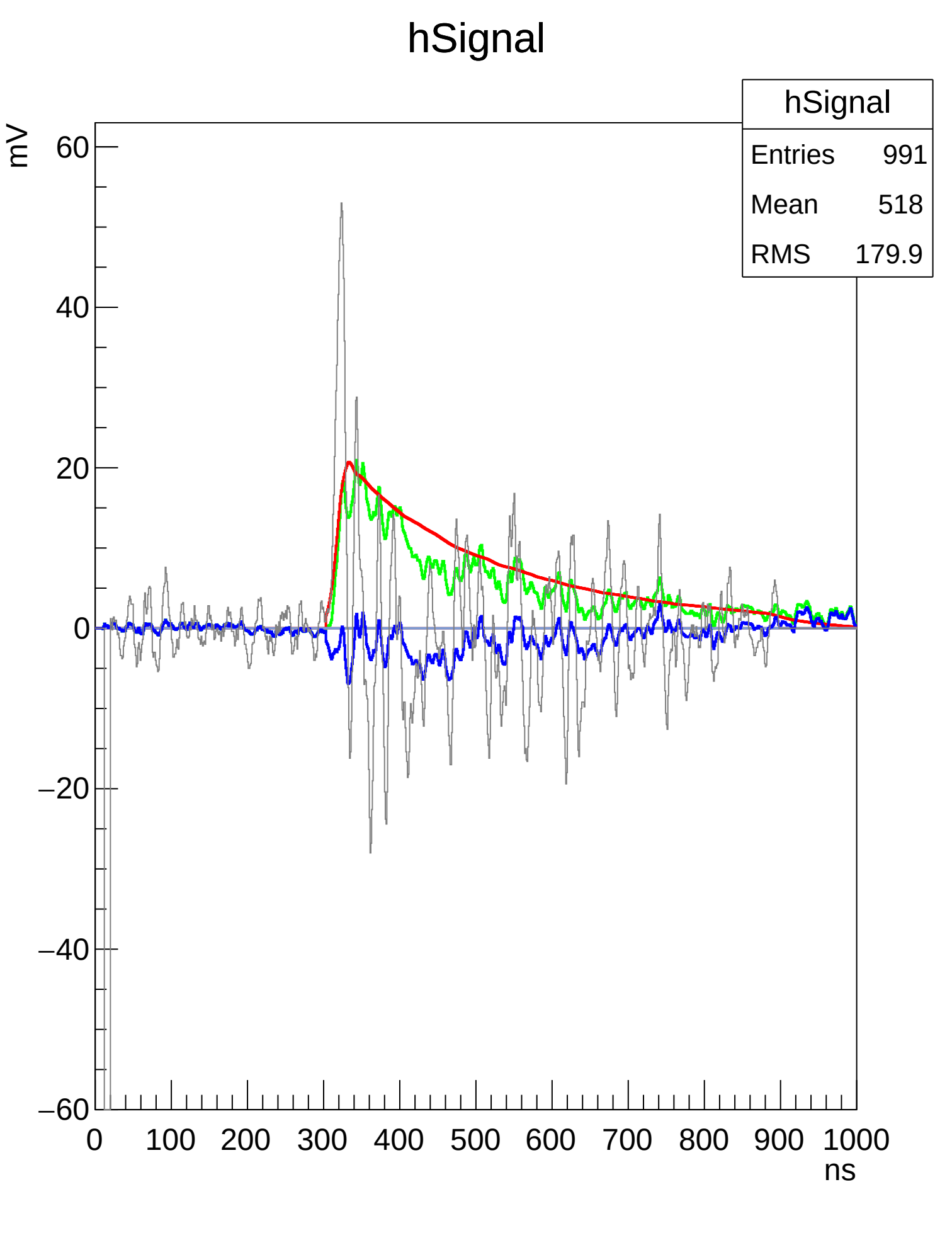

hSignal
hSignal
Entries 991
Mean 602.2
RMS 166.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562
RMS 171.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.8
RMS 174.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.1
RMS 169.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.1
RMS 169.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518
RMS 179.9
mV
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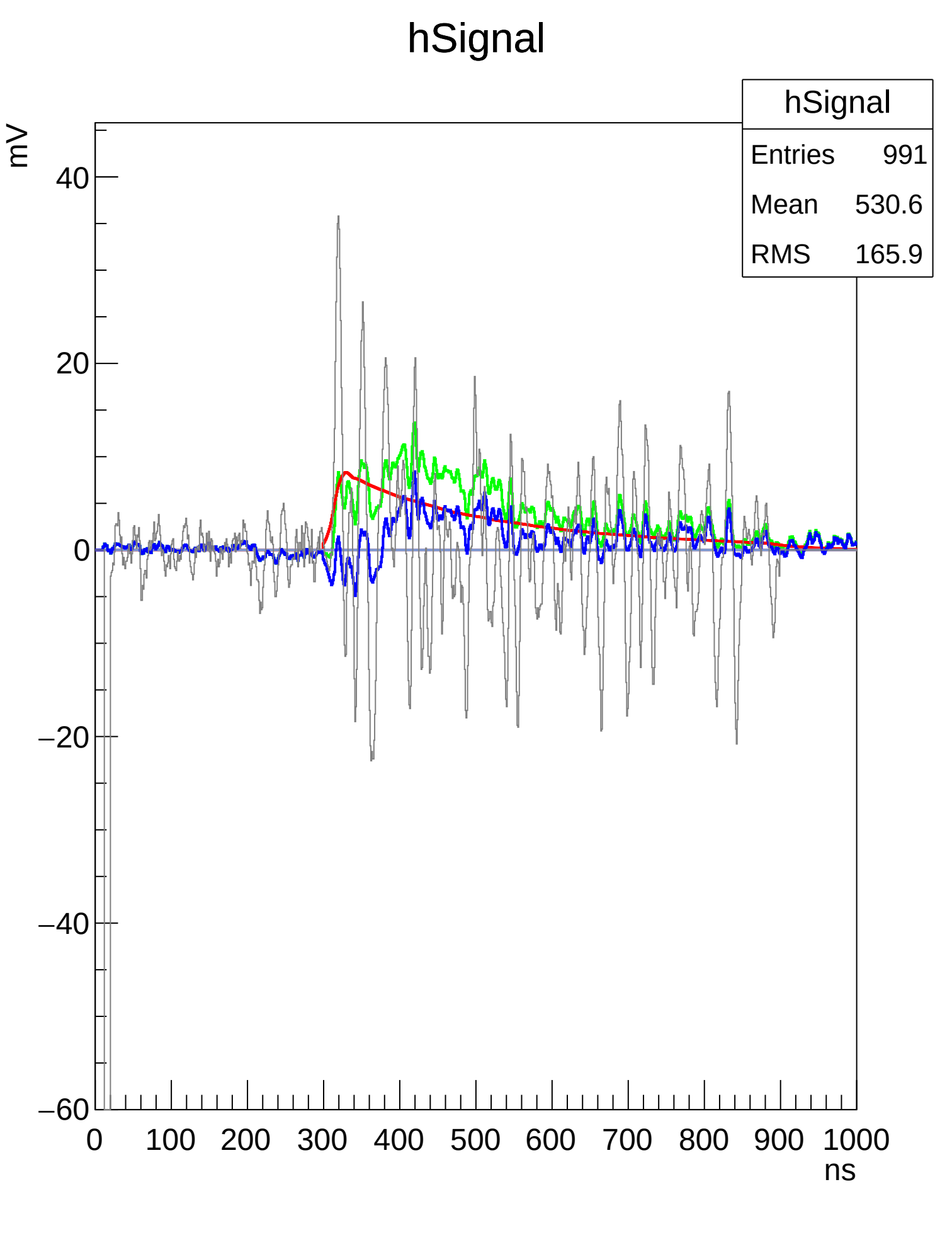
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.6
RMS 165.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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600
700
800
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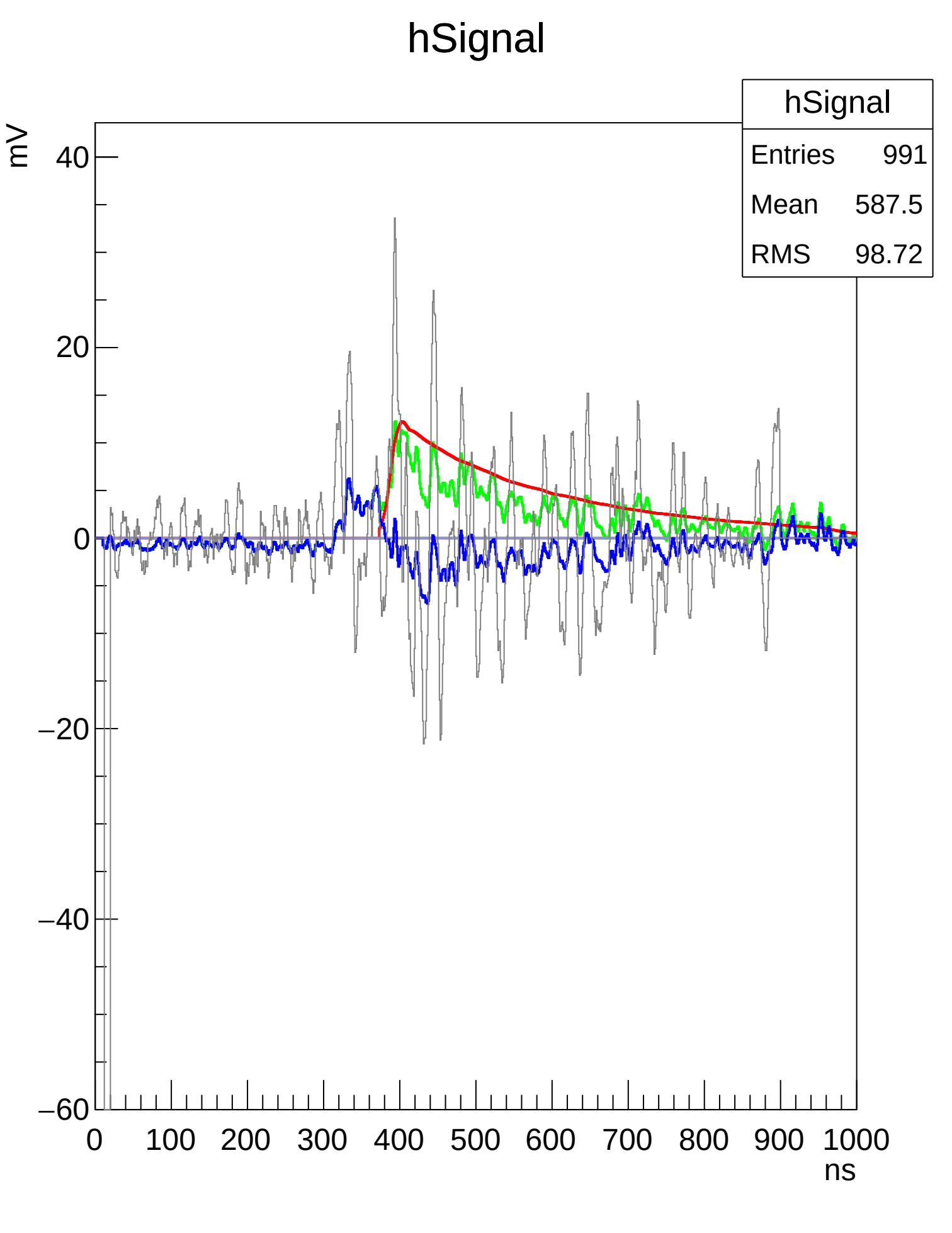
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 98.72
mV
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0
−20
−40
−60
0
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200
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400
500
600
700
800
900
1000
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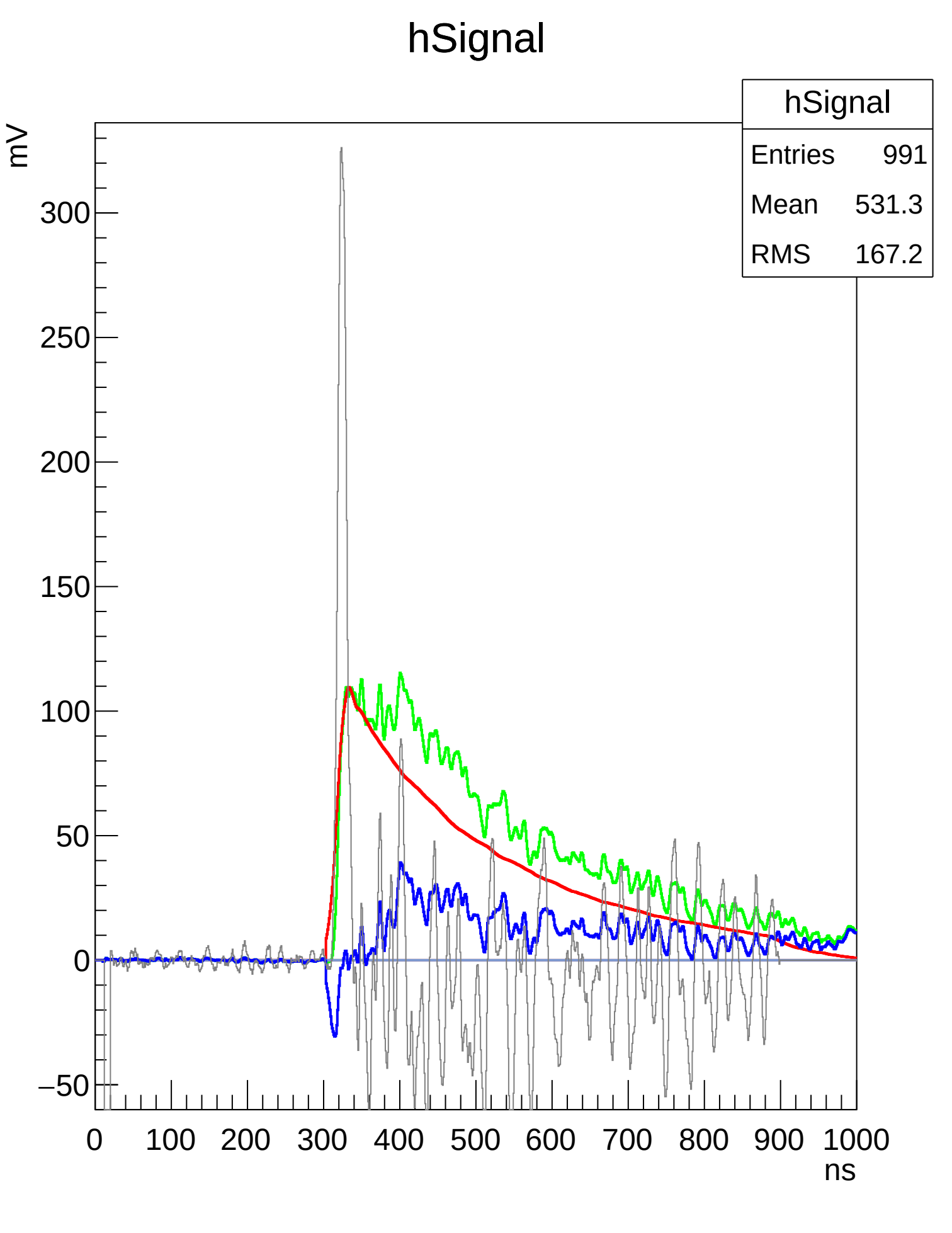
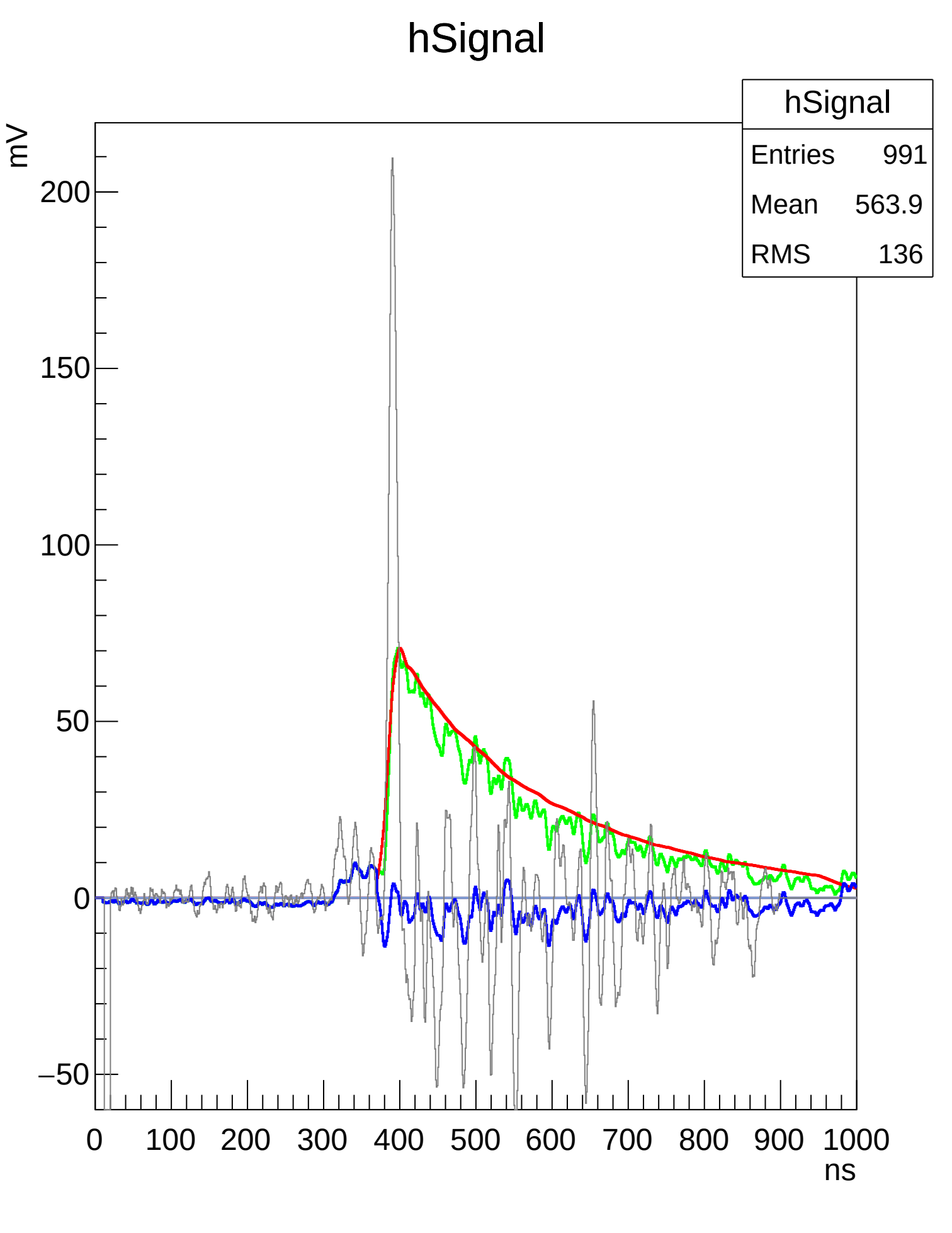

hSignal
hSignal
Entries 991
Mean 531.3
RMS 167.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.9
RMS 136
mV
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100
50
0
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0
100
200
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400
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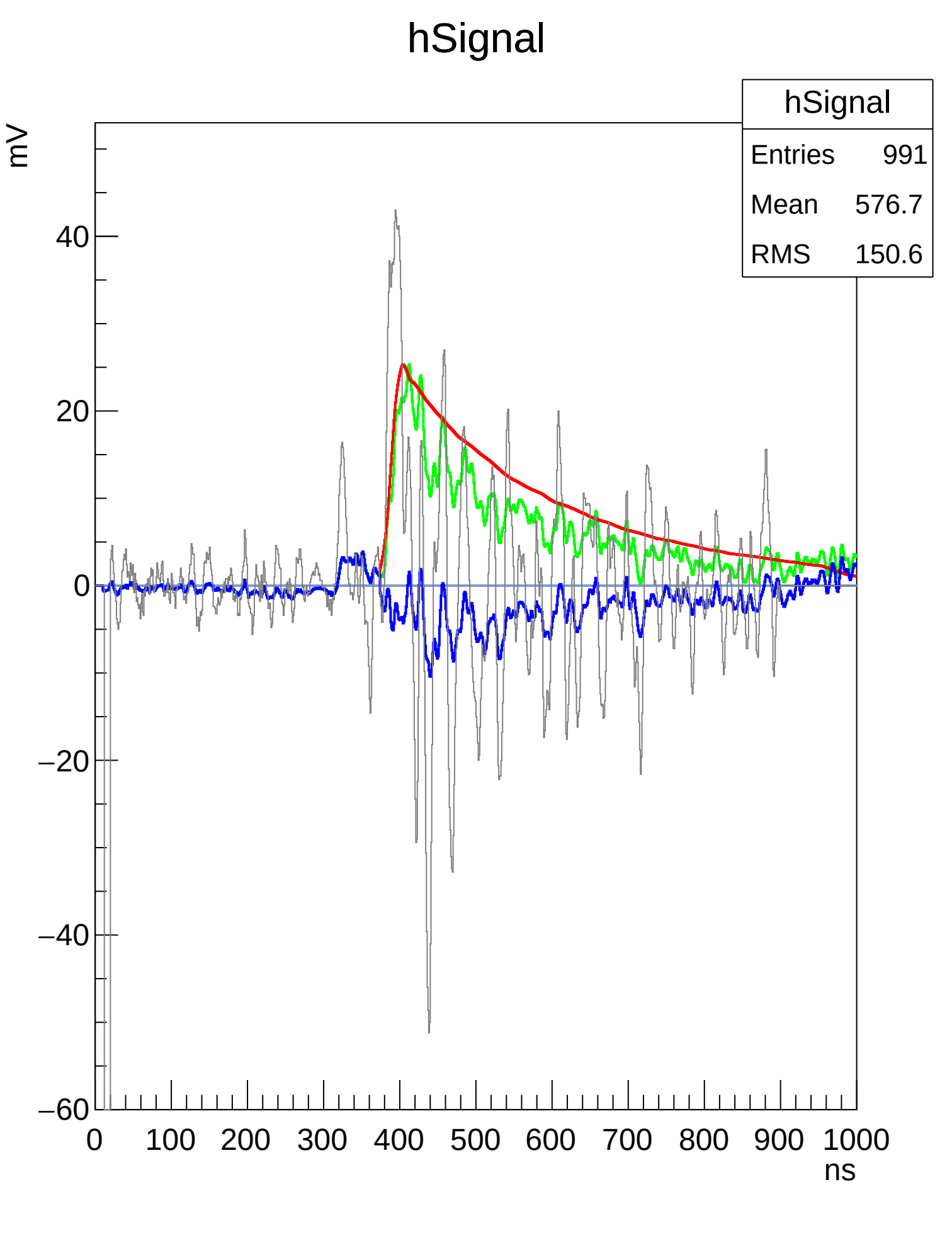
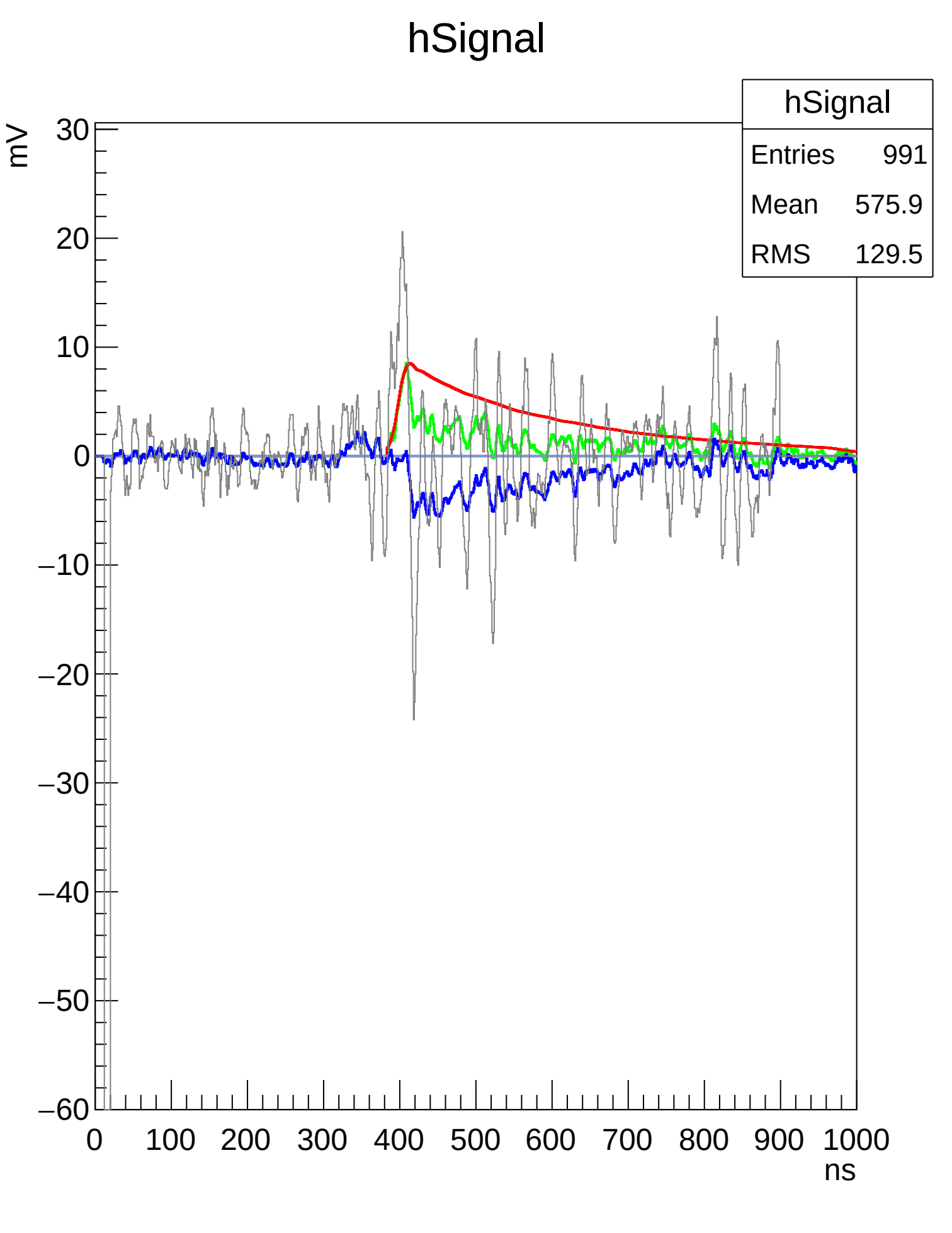
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.7
RMS 150.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 129.5
mV
30
20
10
0
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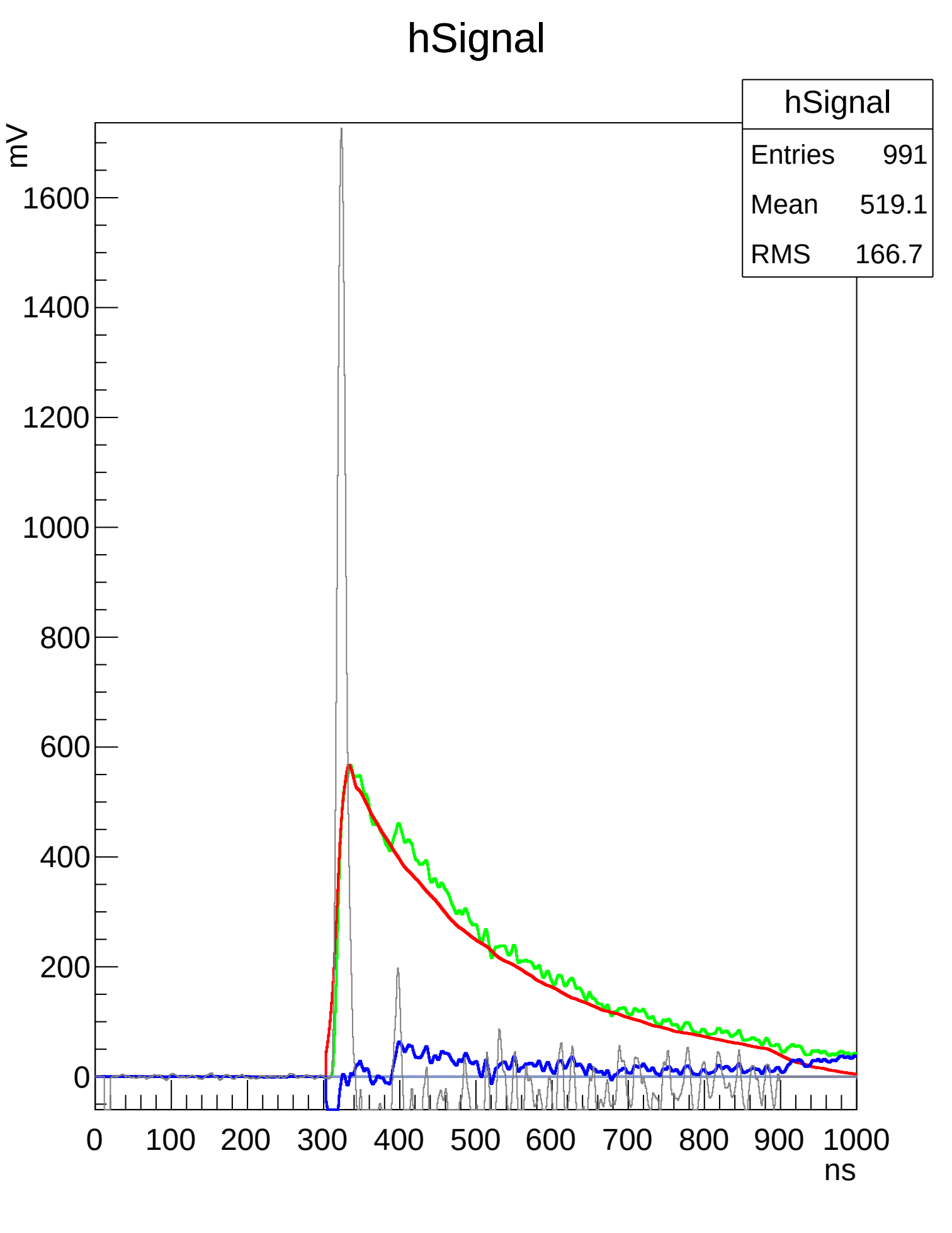
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.1
RMS 166.7
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
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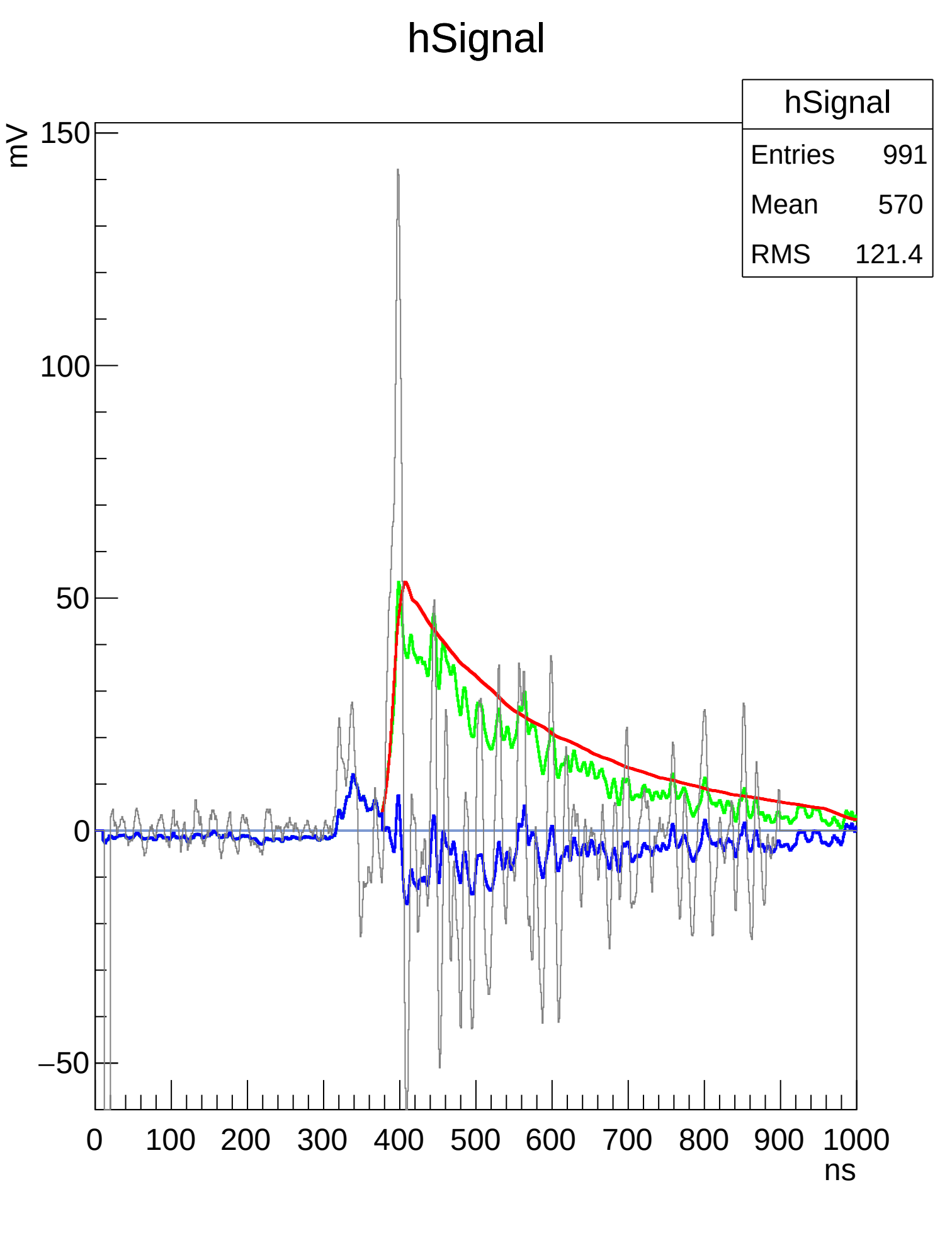
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570
RMS 121.4
mV
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100
50
0
−50
0
100
200
300
400
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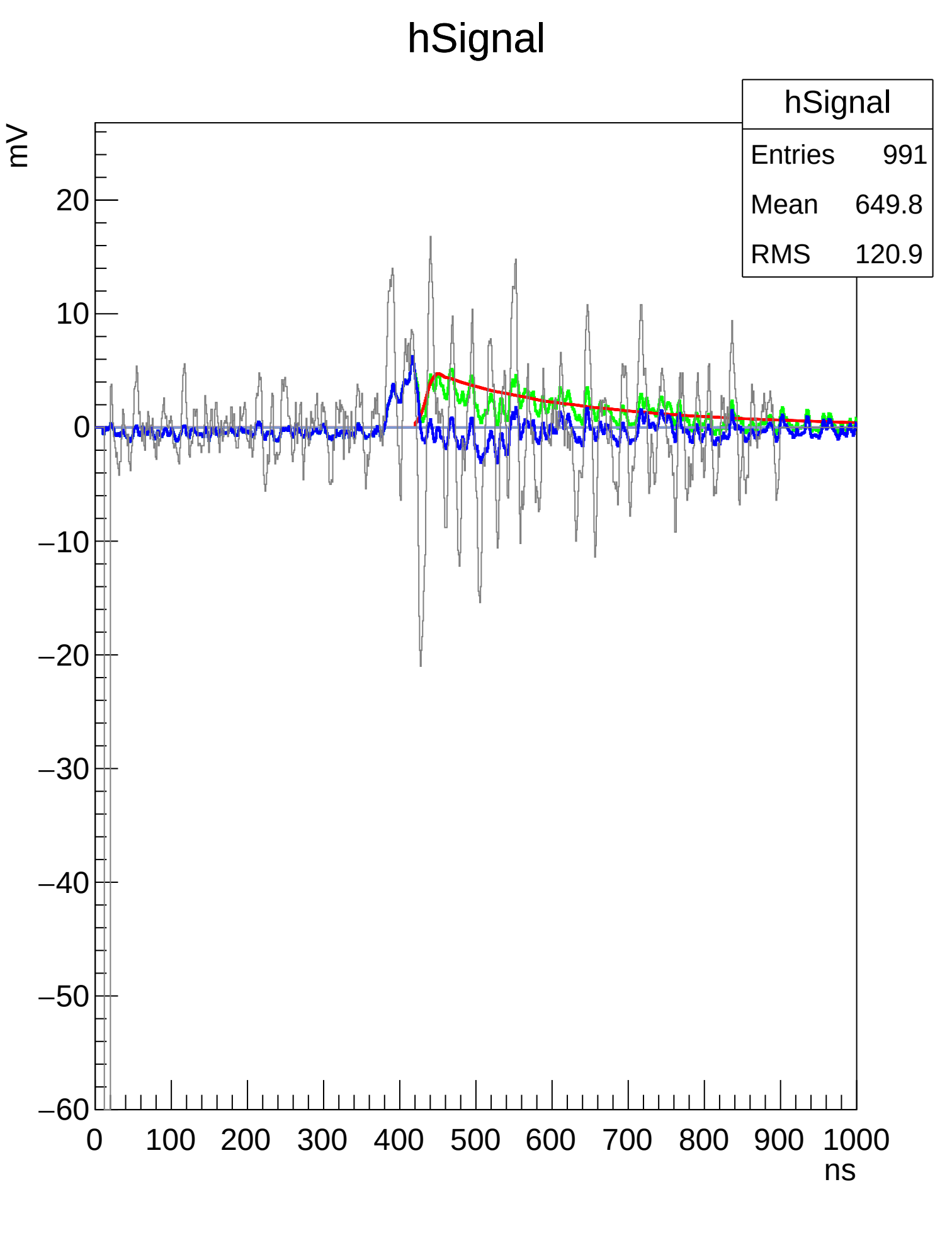
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 649.8
RMS 120.9
mV
20
10
0
−10
−20
−30
−40
−50
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0
100
200
300
400
500
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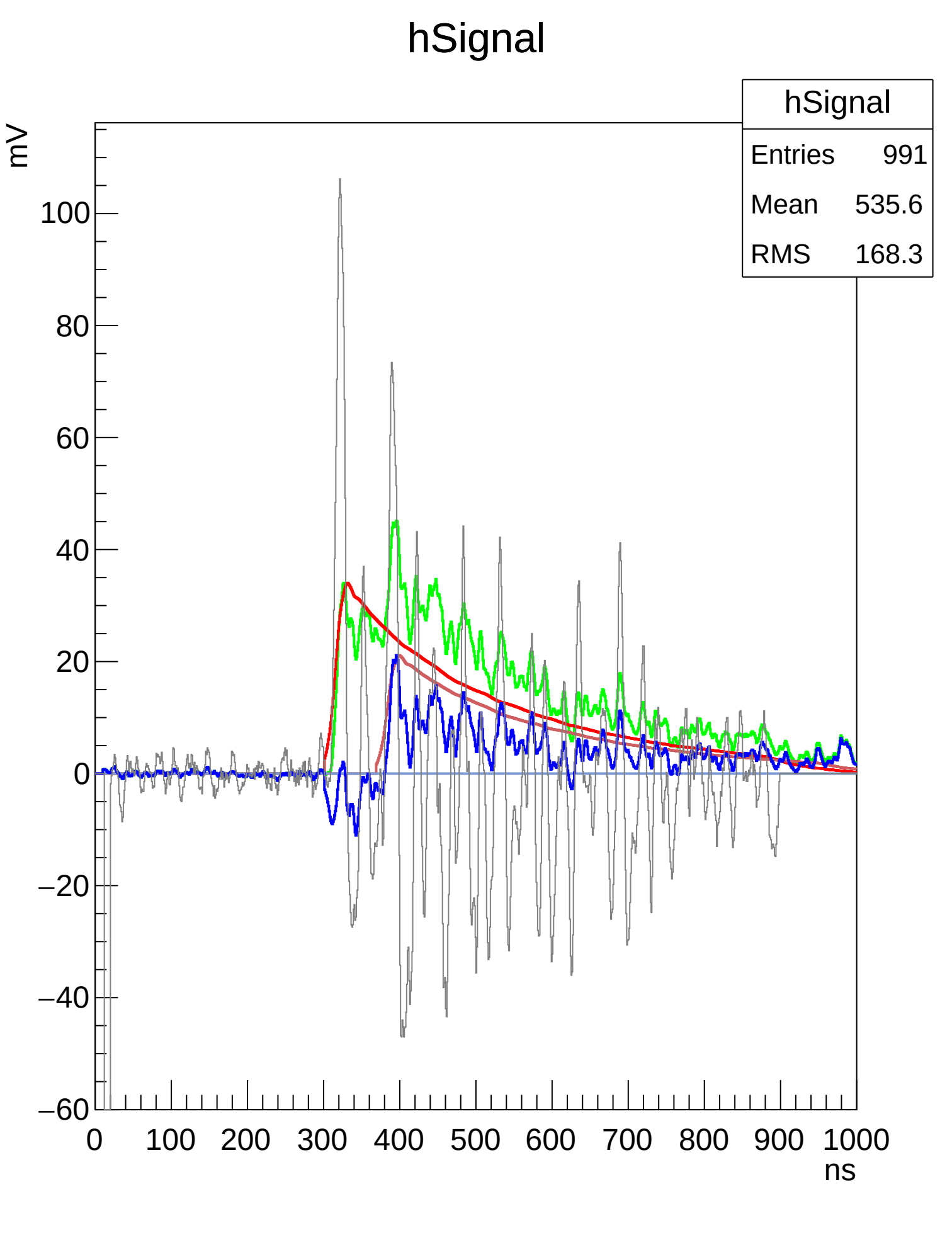
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.6
RMS 168.3
mV
100
80
60
40
20
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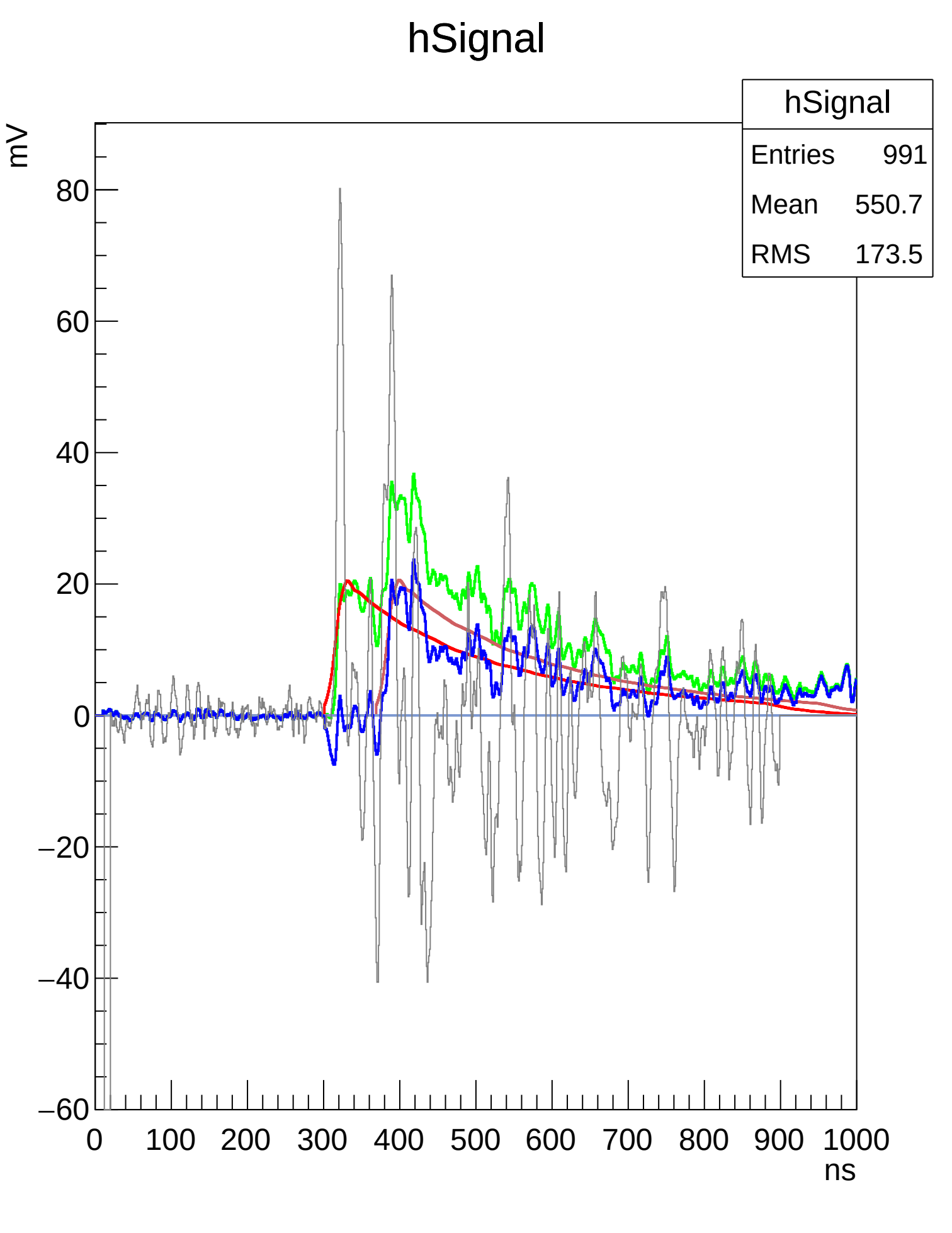
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.7
RMS 173.5
mV
80
60
40
20
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−20
−40
−60
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100
200
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600
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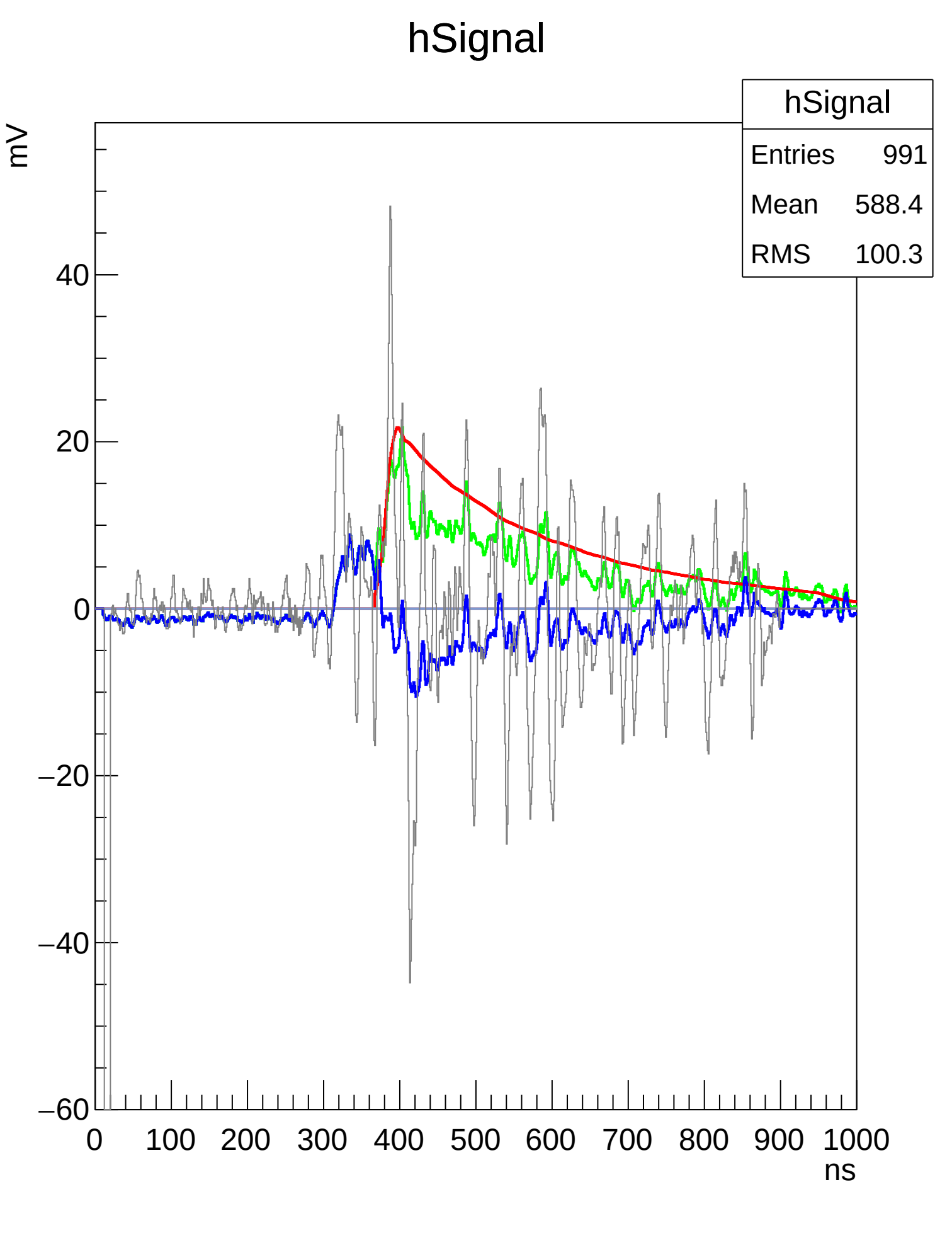
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.4
RMS 100.3
mV
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0
−20
−40
−60
0
100
200
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400
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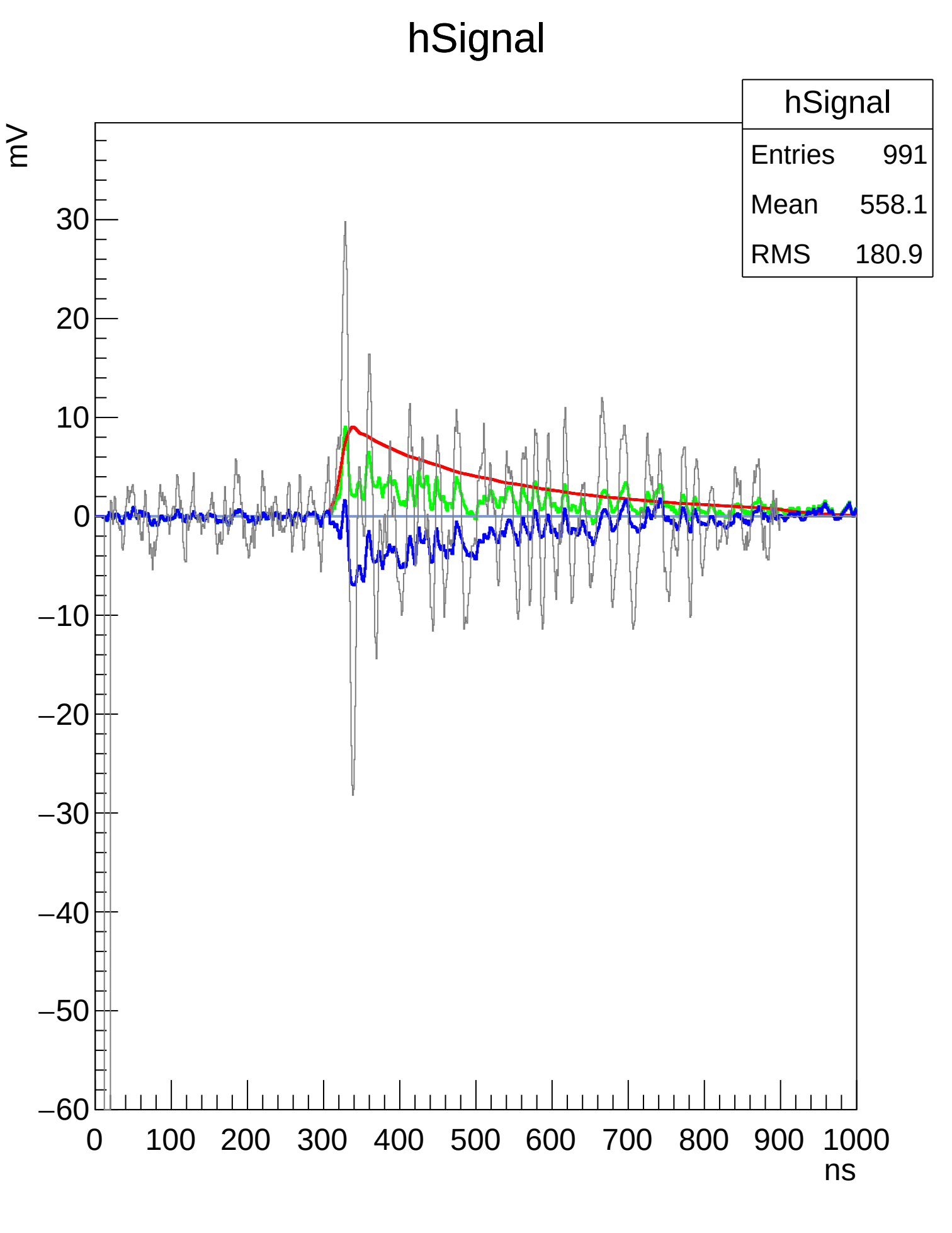
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.1
RMS 180.9
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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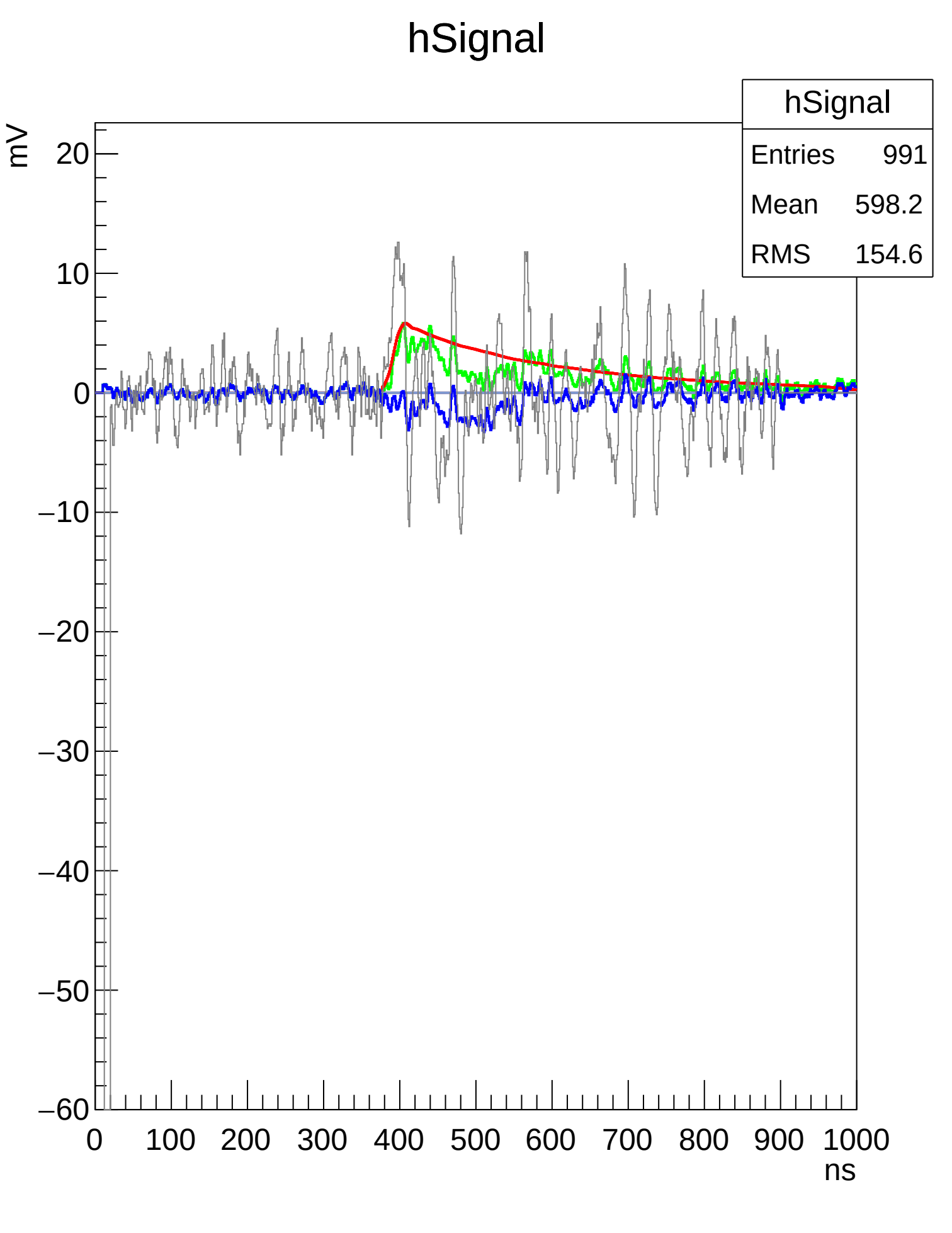
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.2
RMS 154.6
mV
20
10
0
−10
−20
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−40
−50
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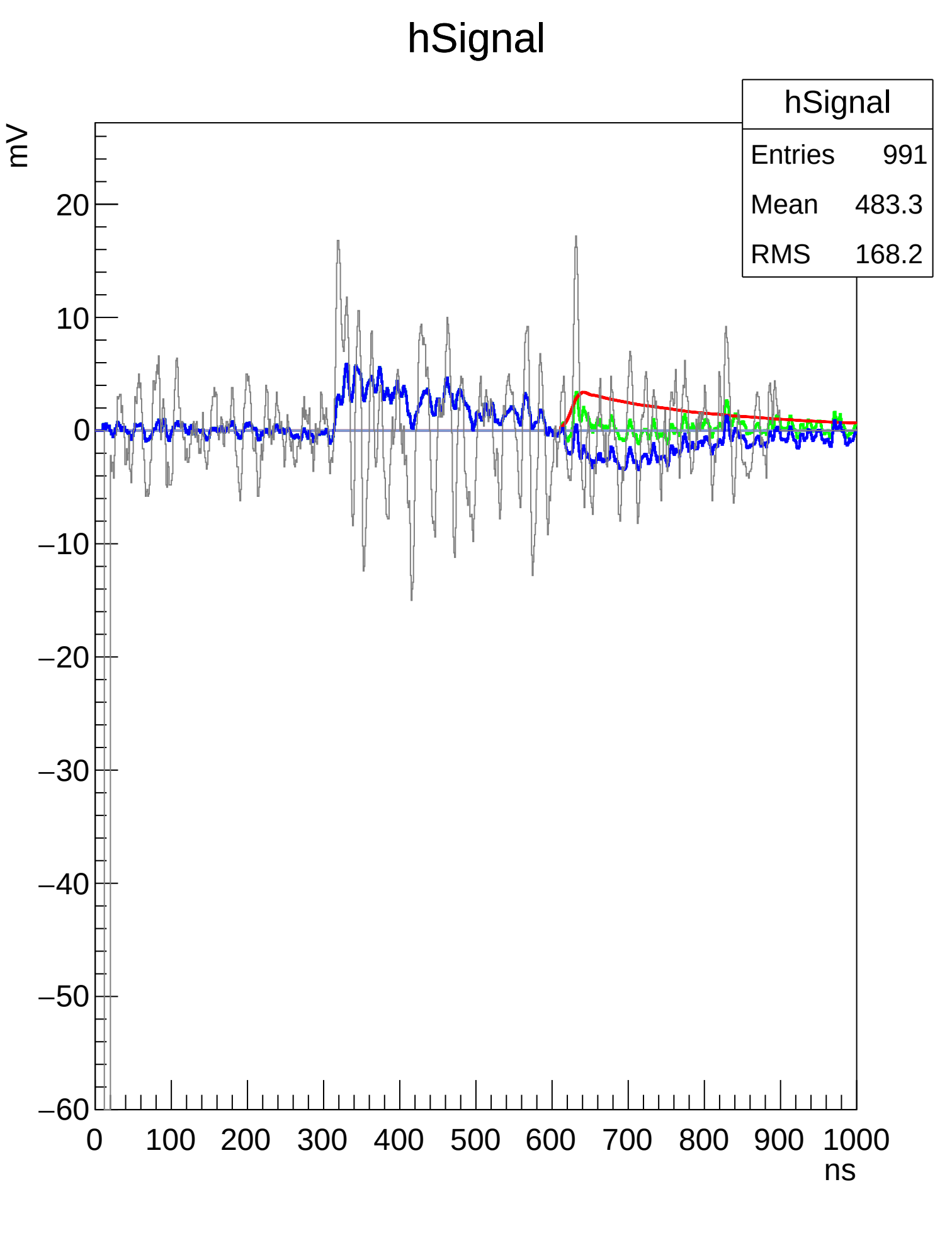
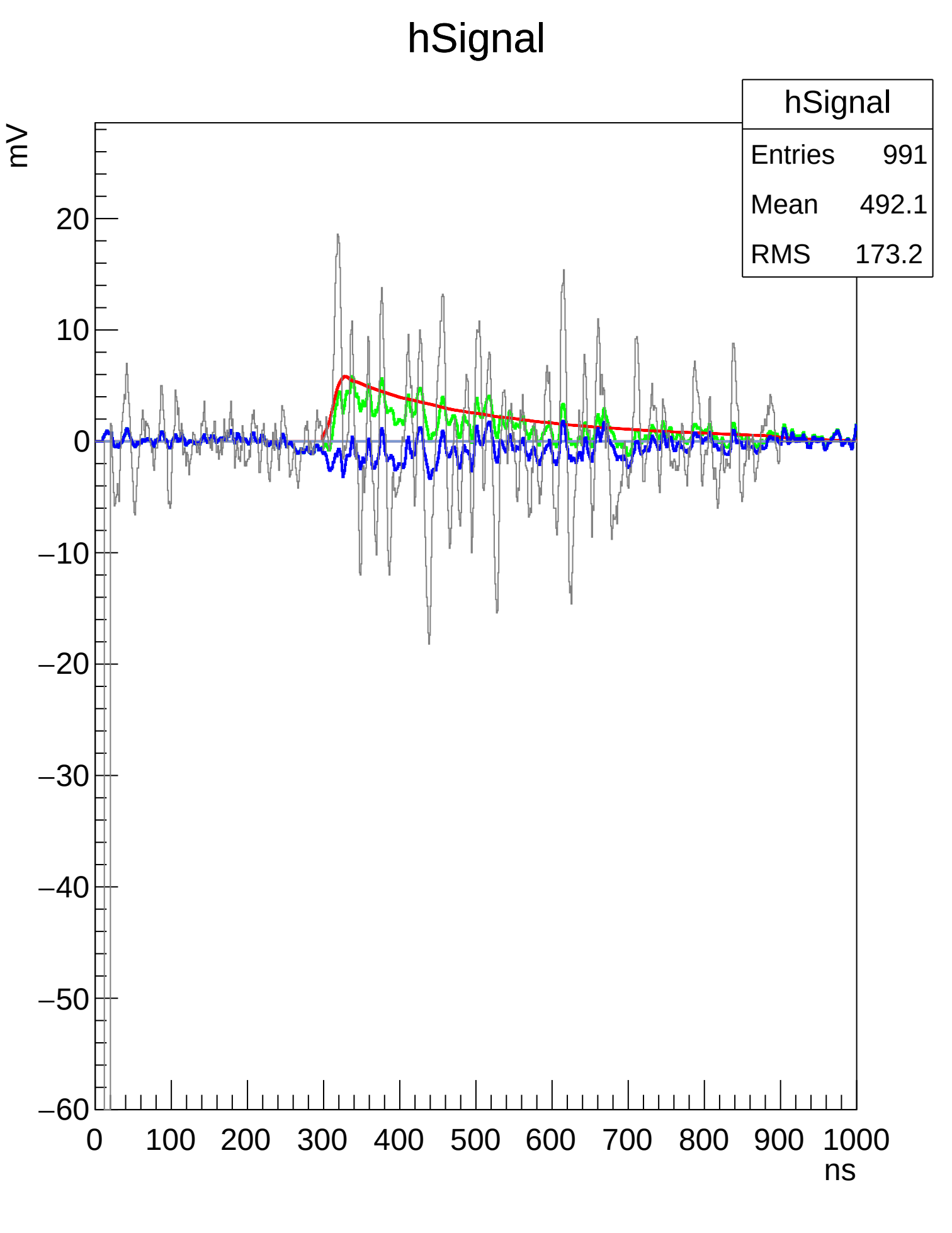
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.3
RMS 168.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.1
RMS 173.2
mV
20
10
0
−10
−20
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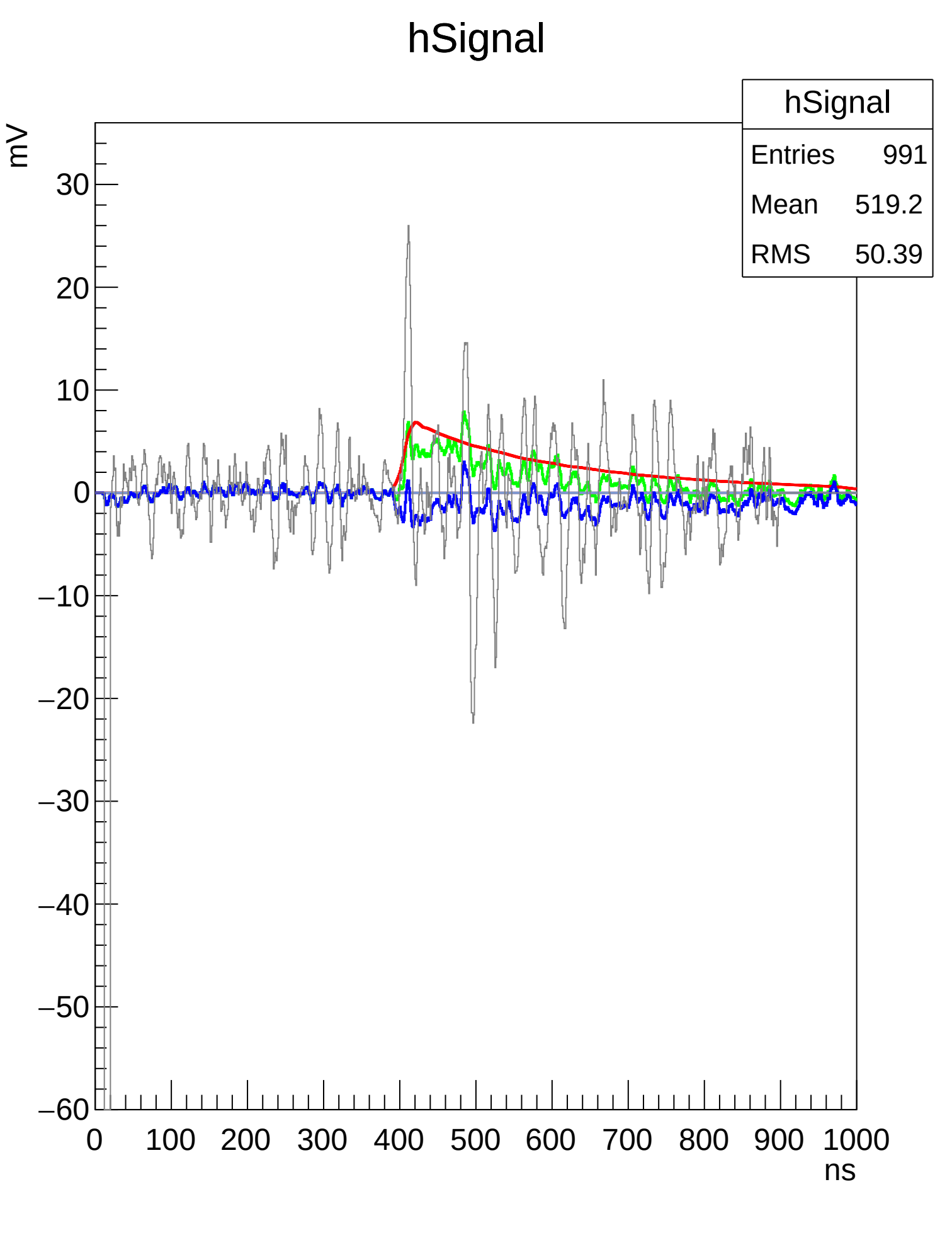
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.2
RMS 50.39
mV
30
20
10
0
−10
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−40
−50
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0
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400
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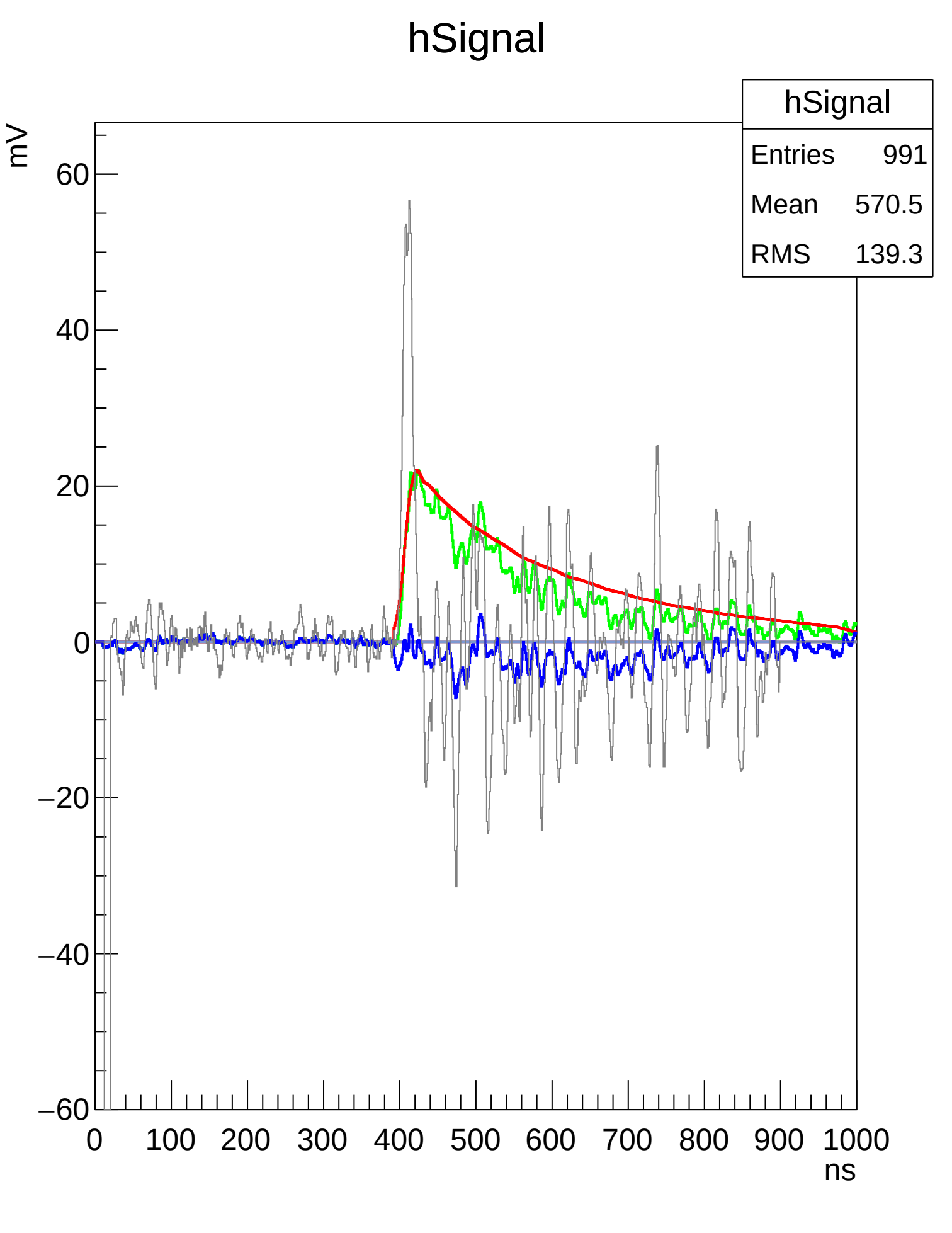
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.5
RMS 139.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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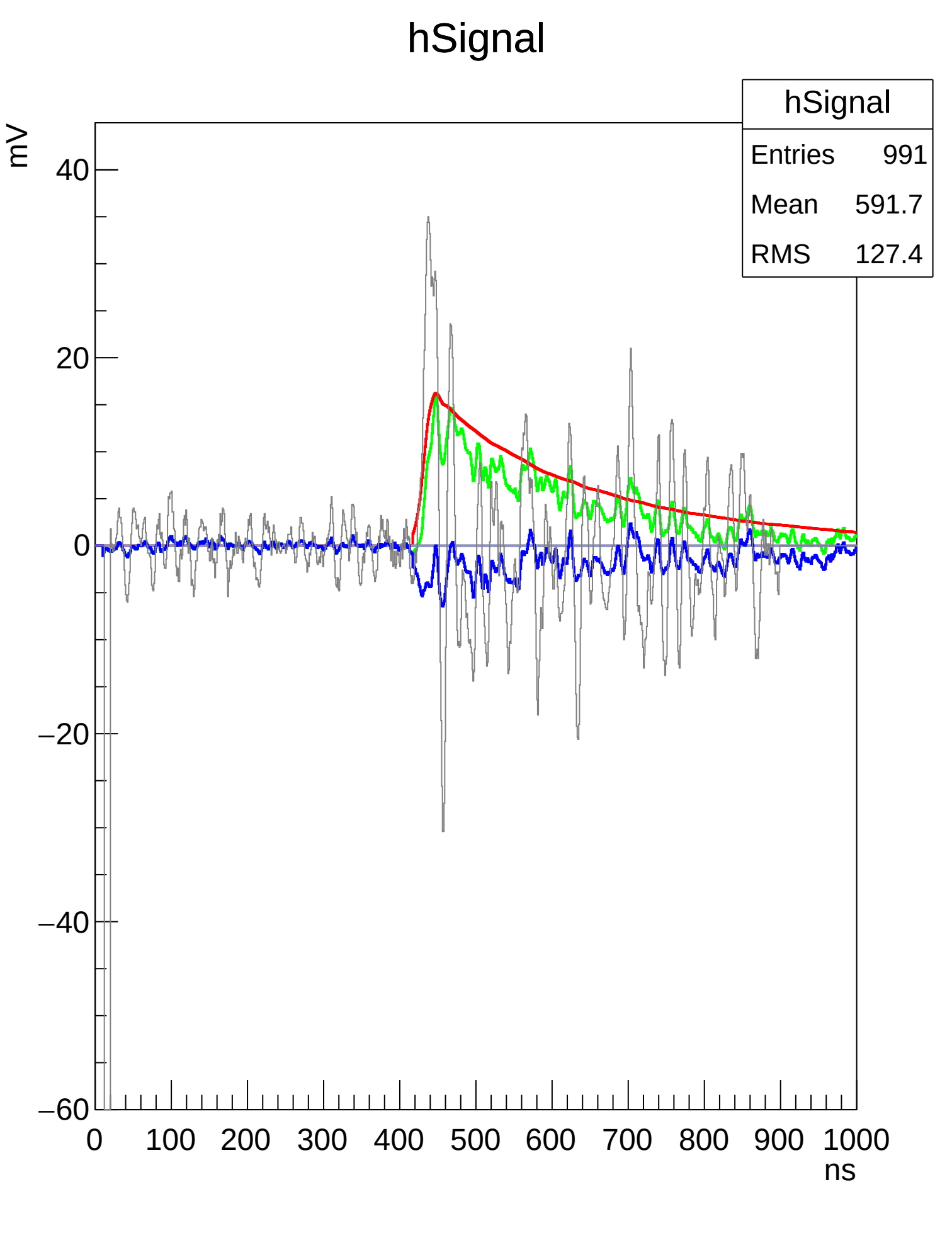
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.7
RMS 127.4
mV
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20
0
−20
−40
−60
0
100
200
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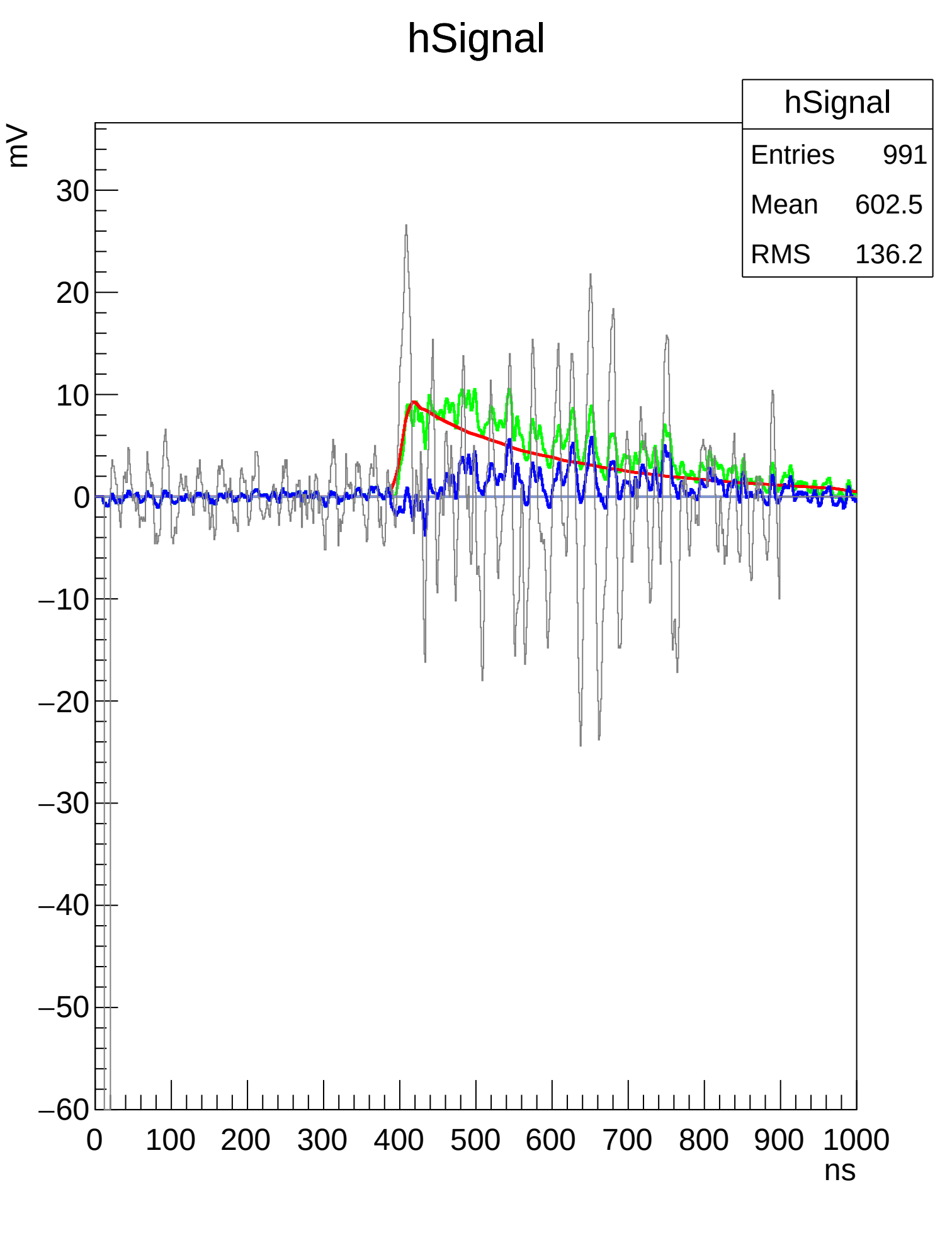
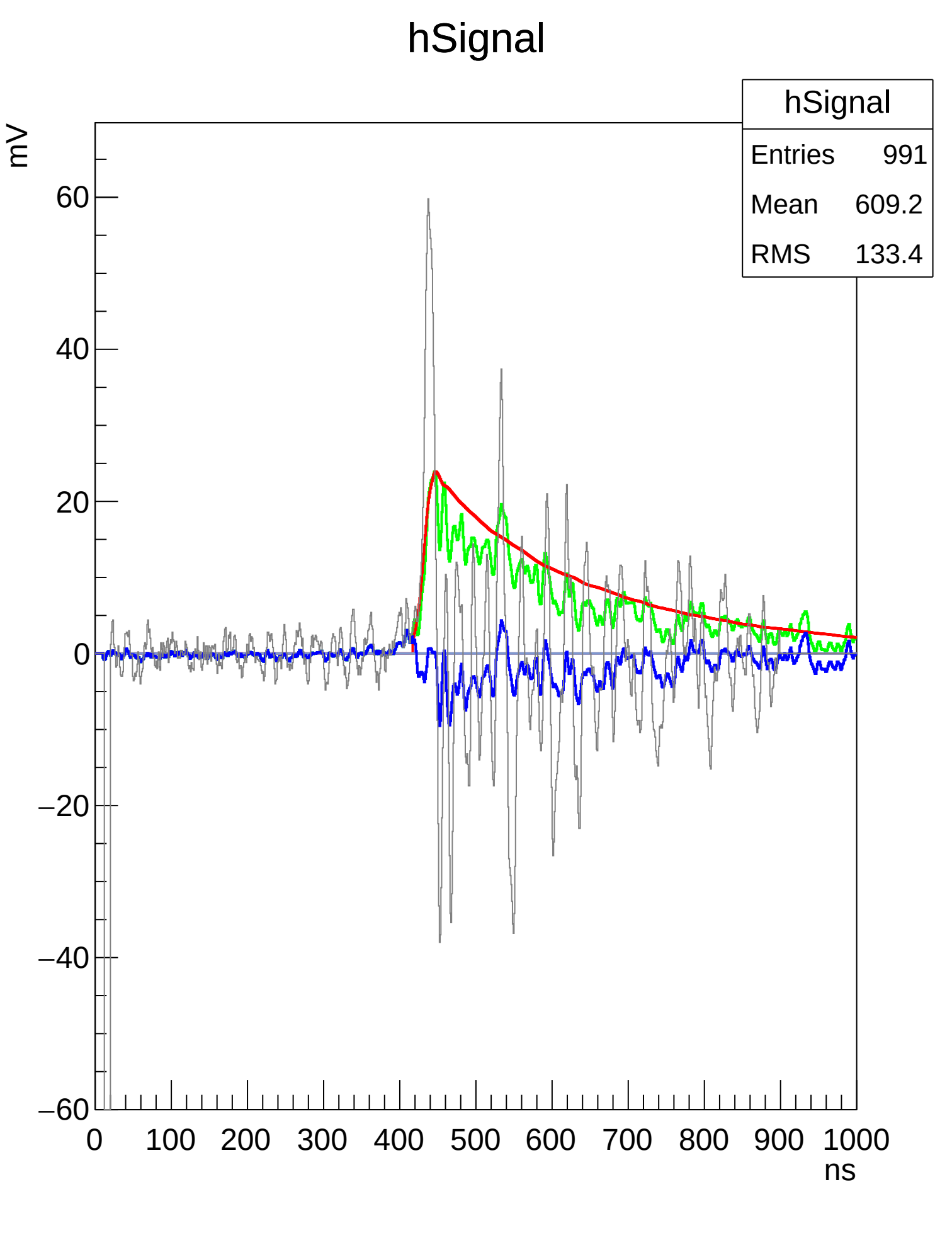
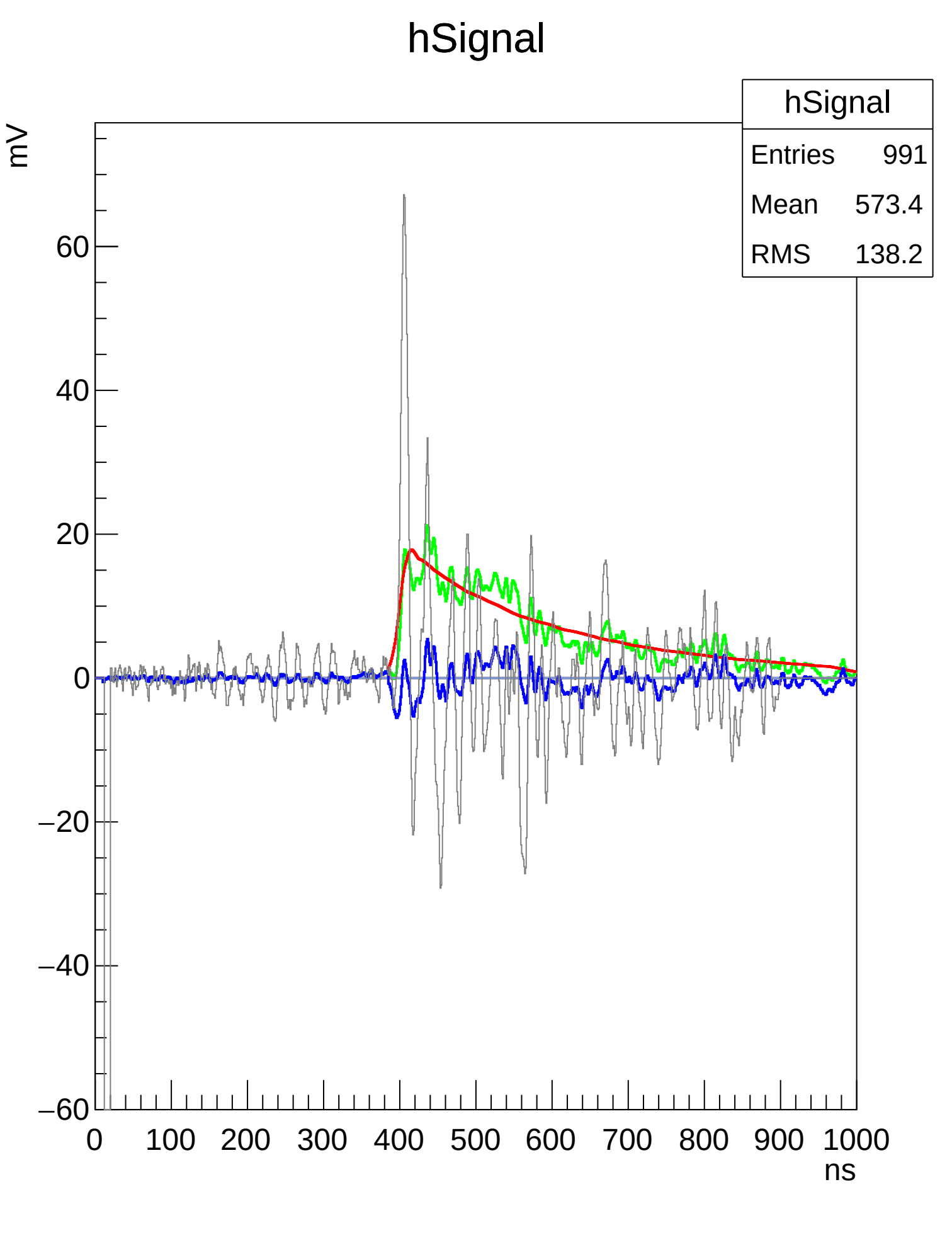
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 136.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 133.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.4
RMS 138.2
mV
60
40
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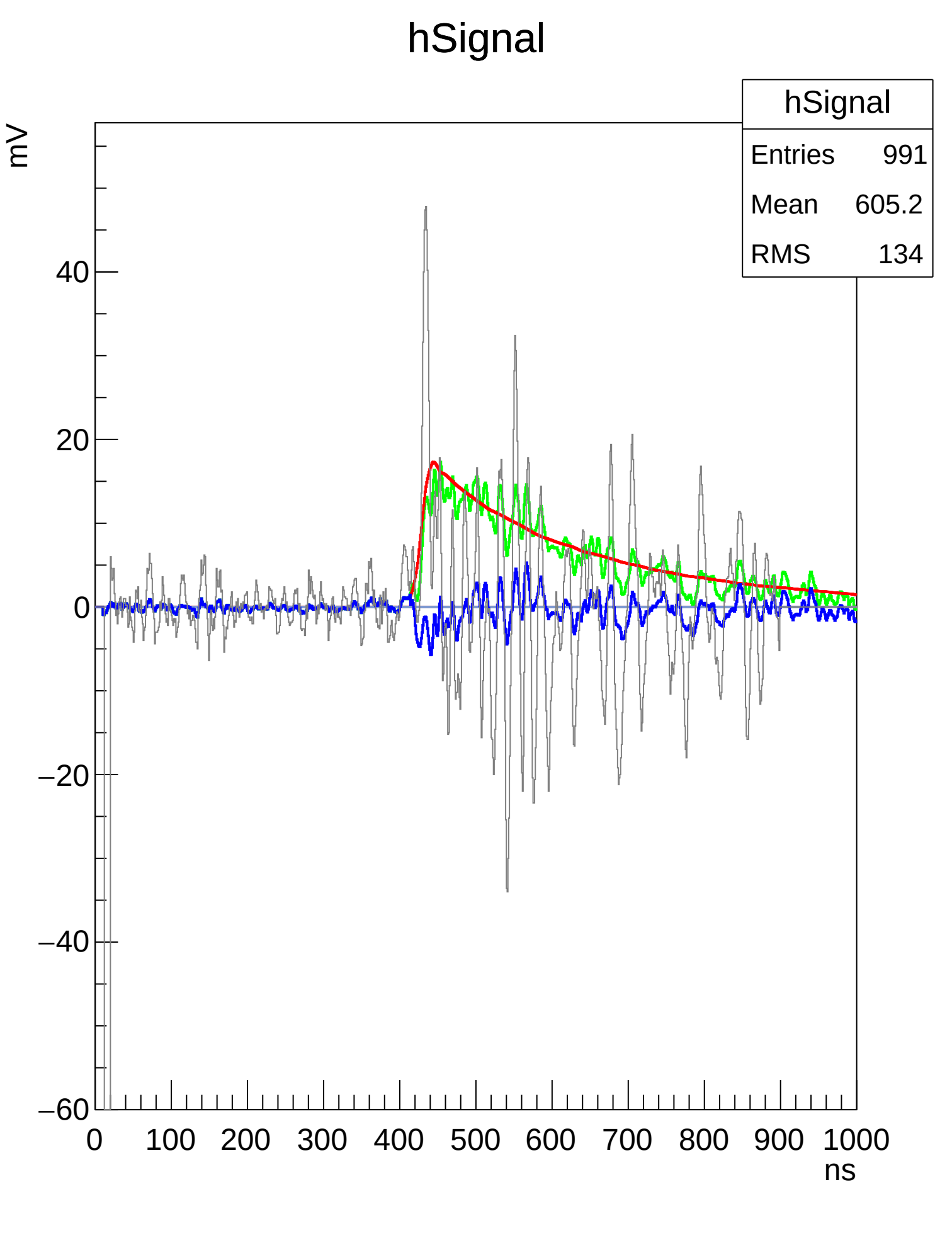
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.2
RMS 134
mV
40
20
0
−20
−40
−60
0
100
200
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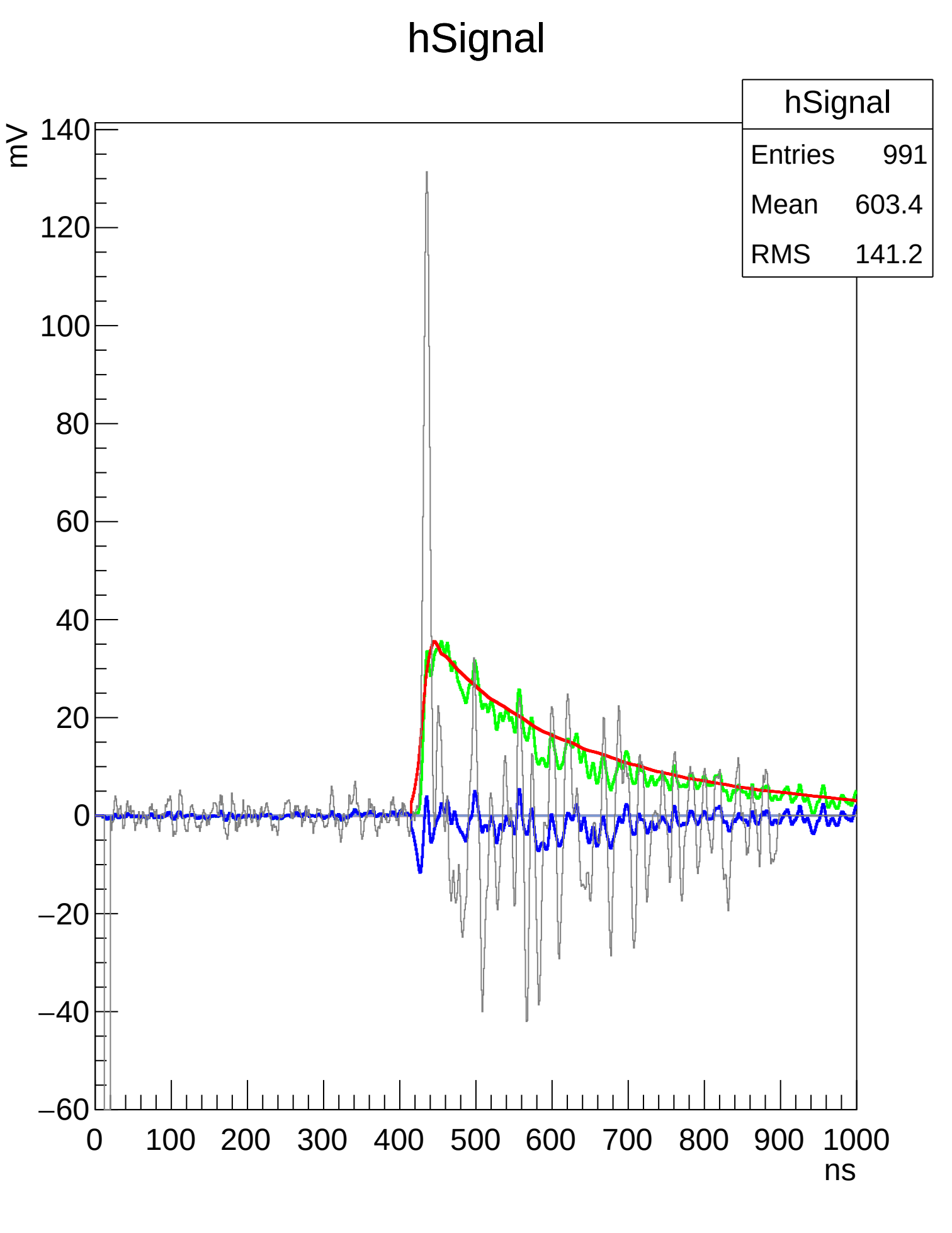
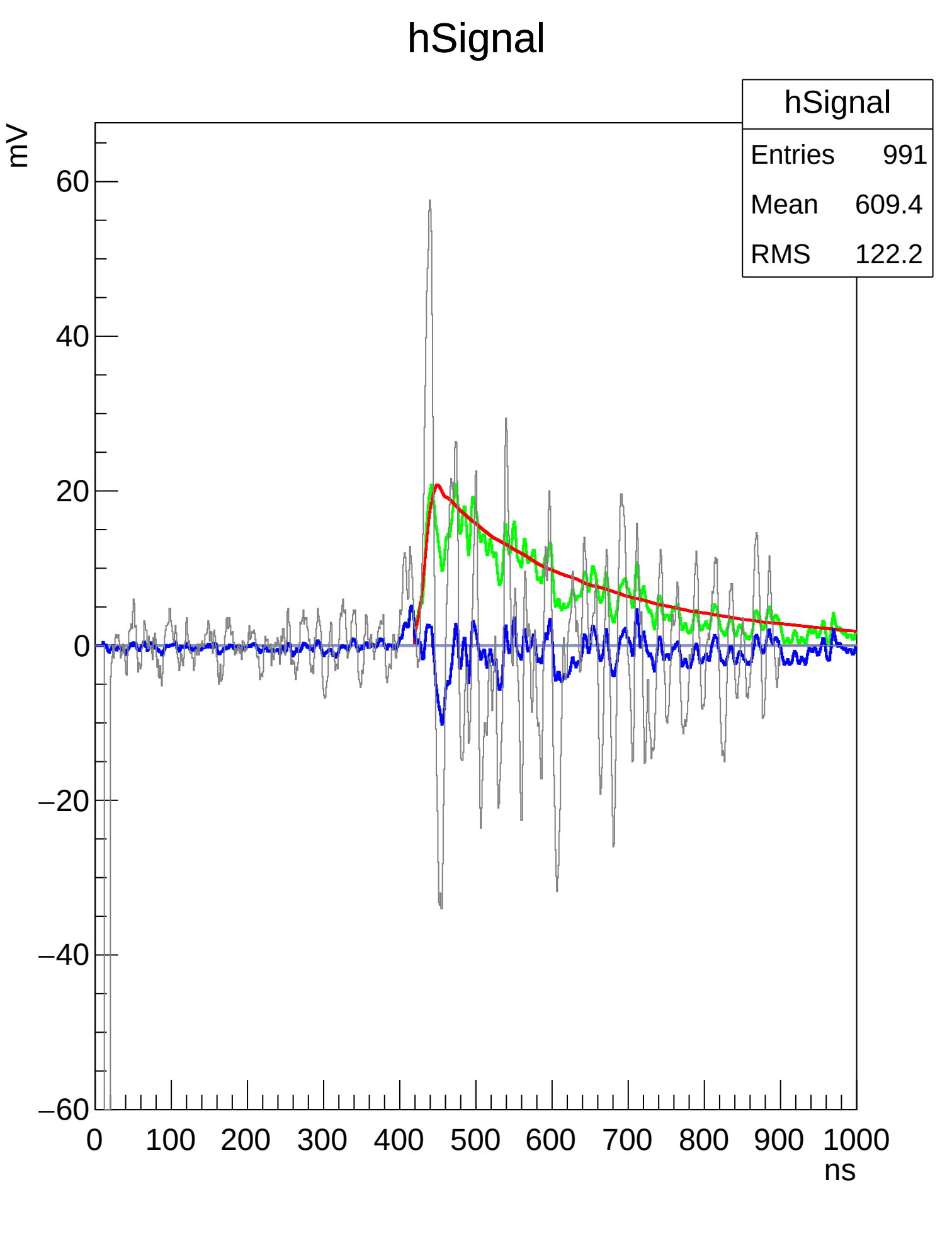
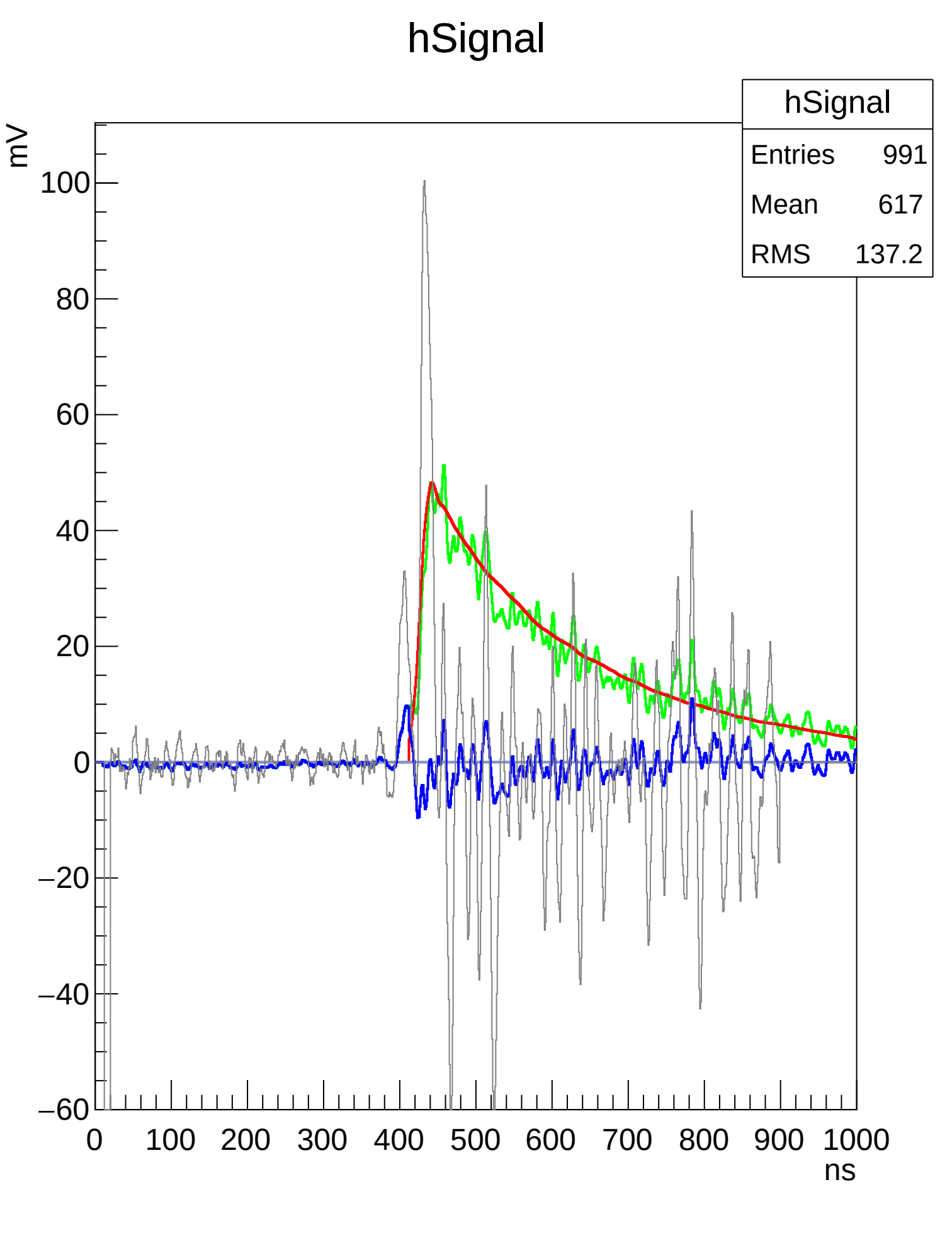
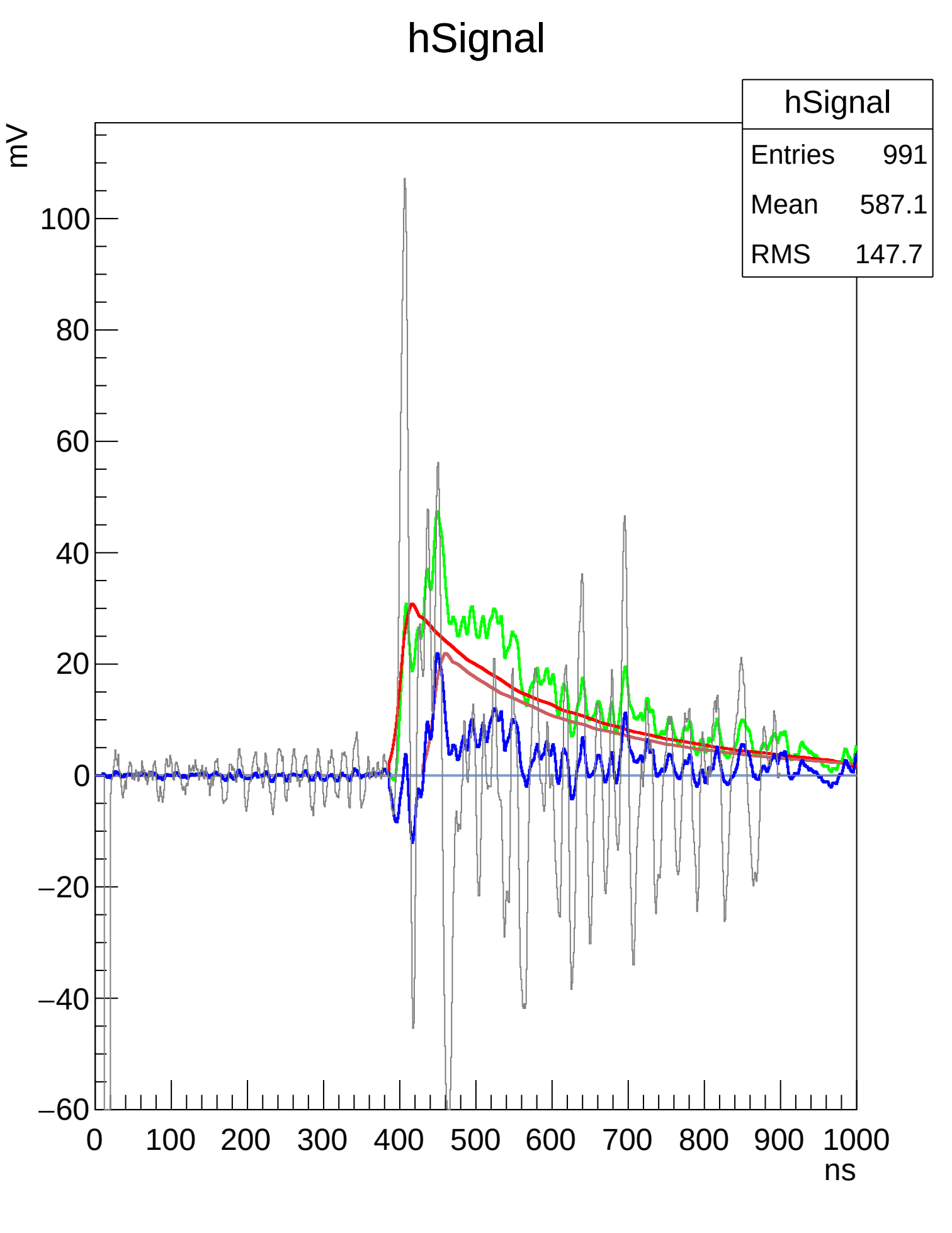
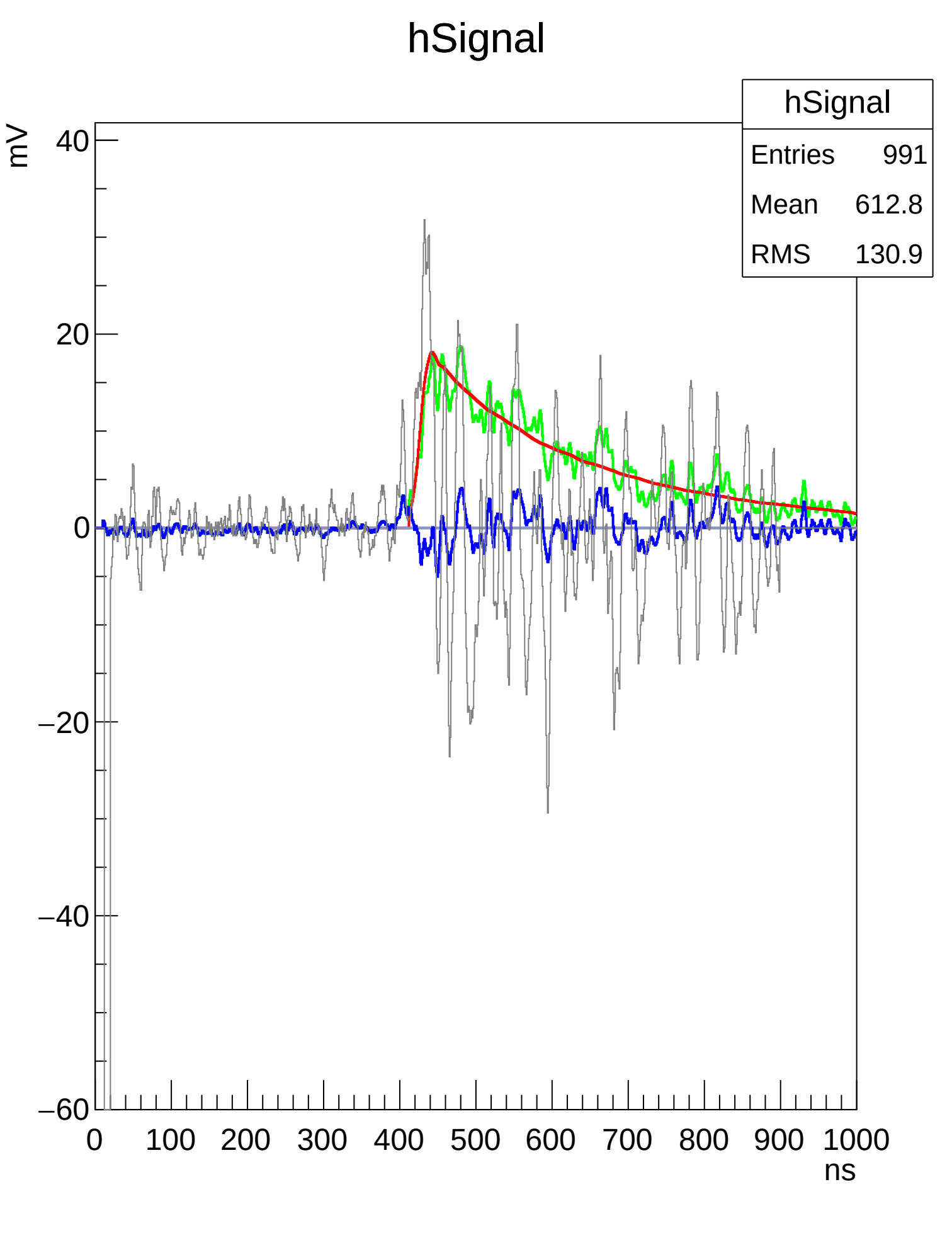
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.4
RMS 141.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.4
RMS 122.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617
RMS 137.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.1
RMS 147.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.8
RMS 130.9
mV
40
20
0
−20
−40
−60
0
100
200
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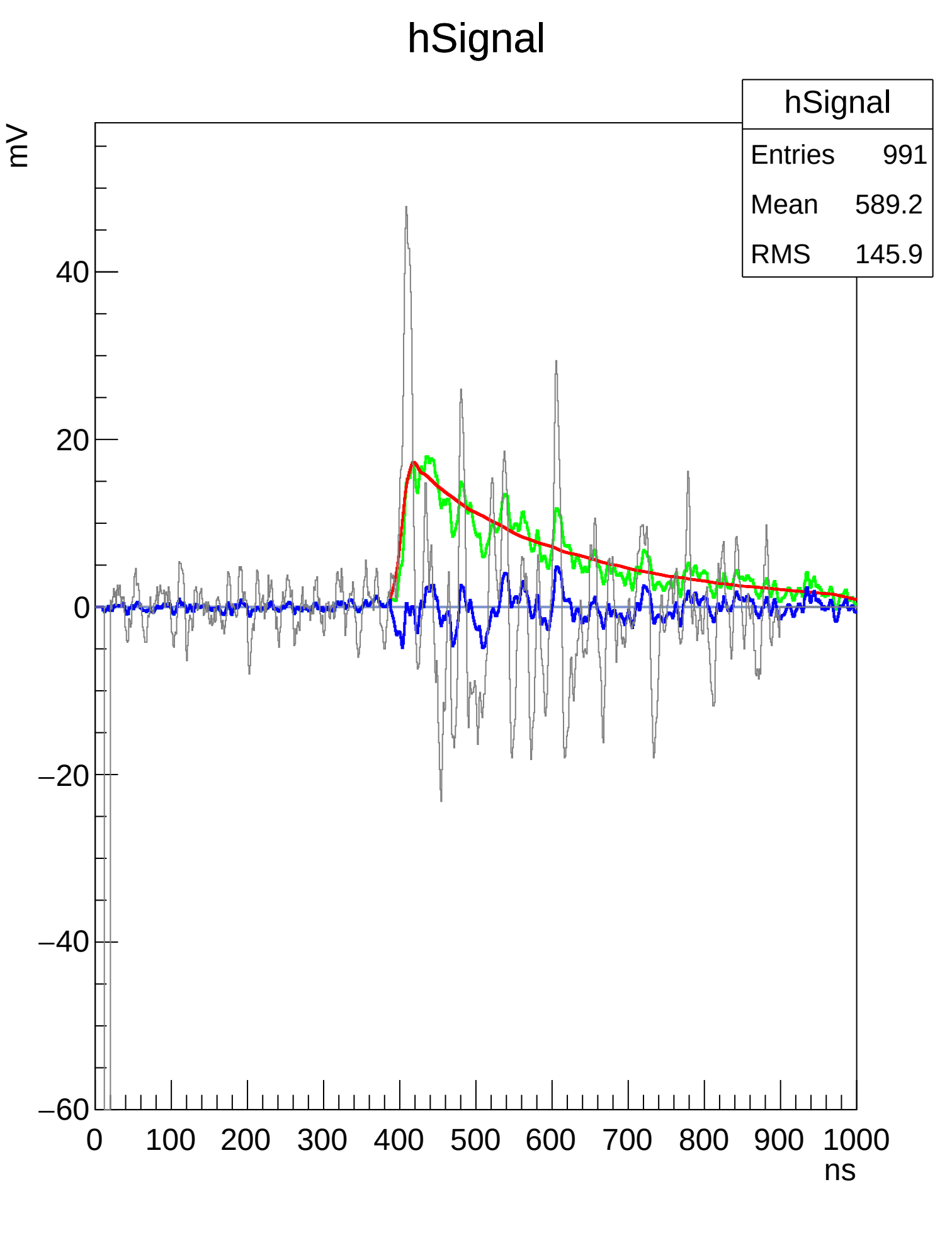
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 145.9
mV
40
20
0
−20
−40
−60
0
100
200
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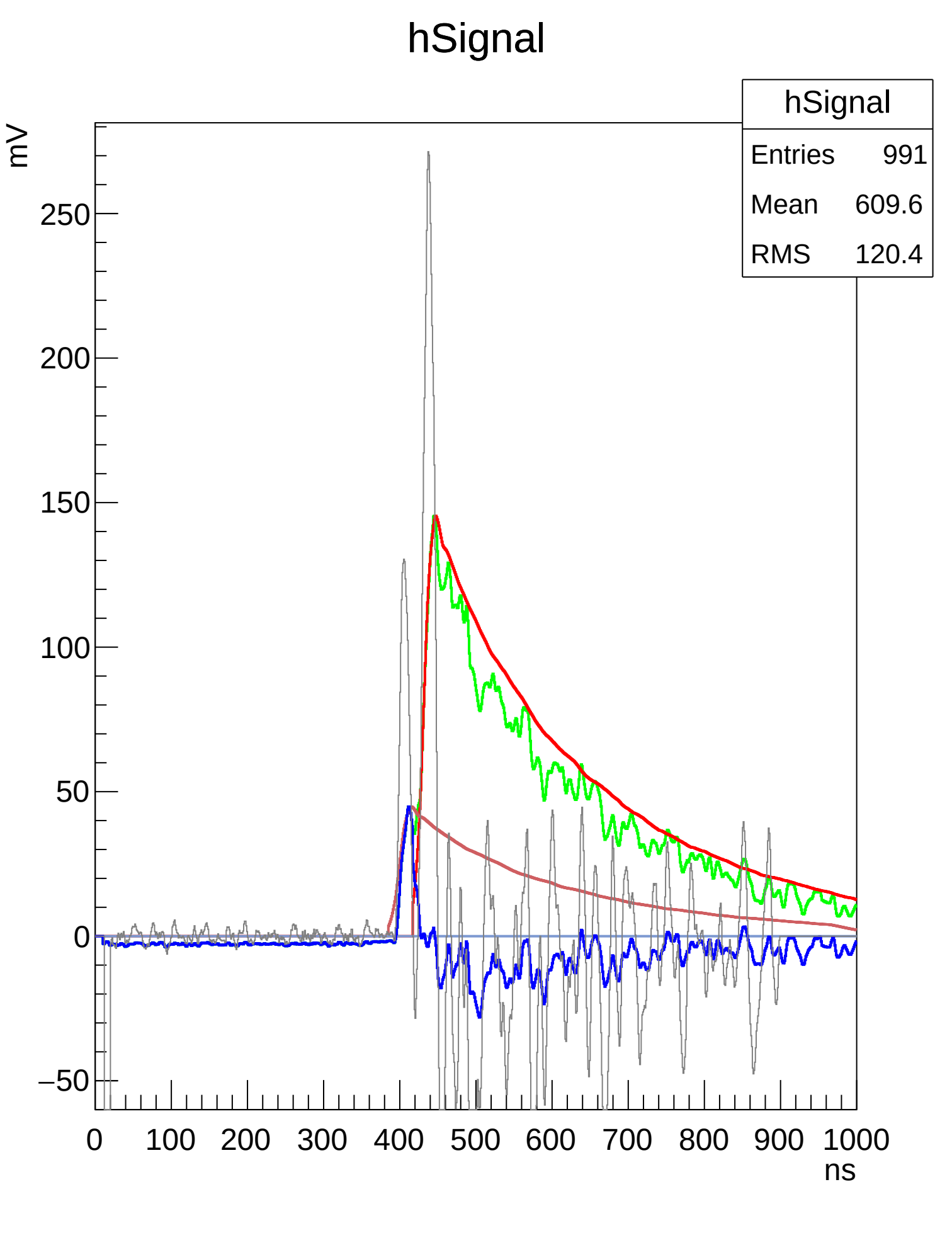
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.6
RMS 120.4
mV
250
200
150
100
50
0
−50
0
100
200
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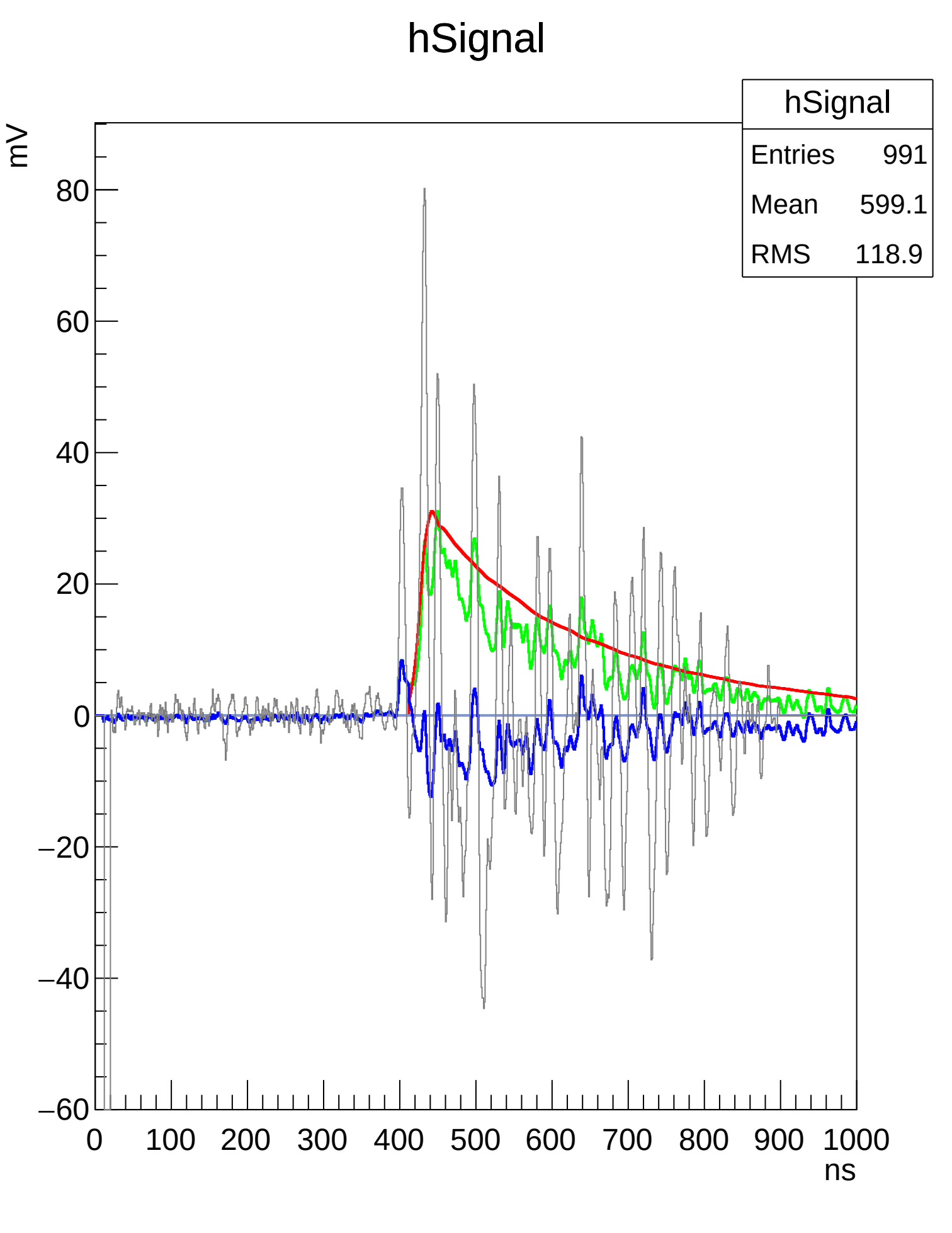
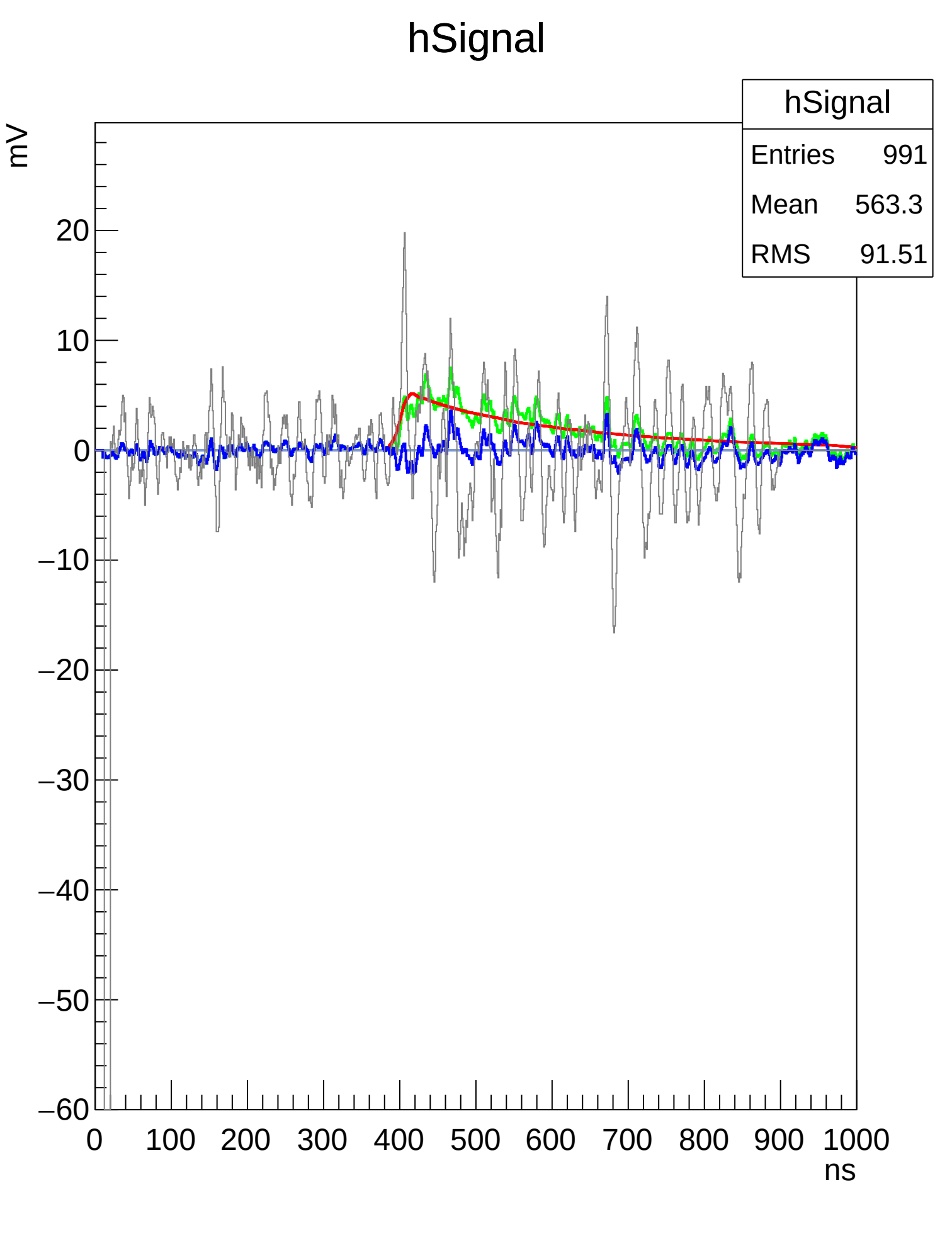
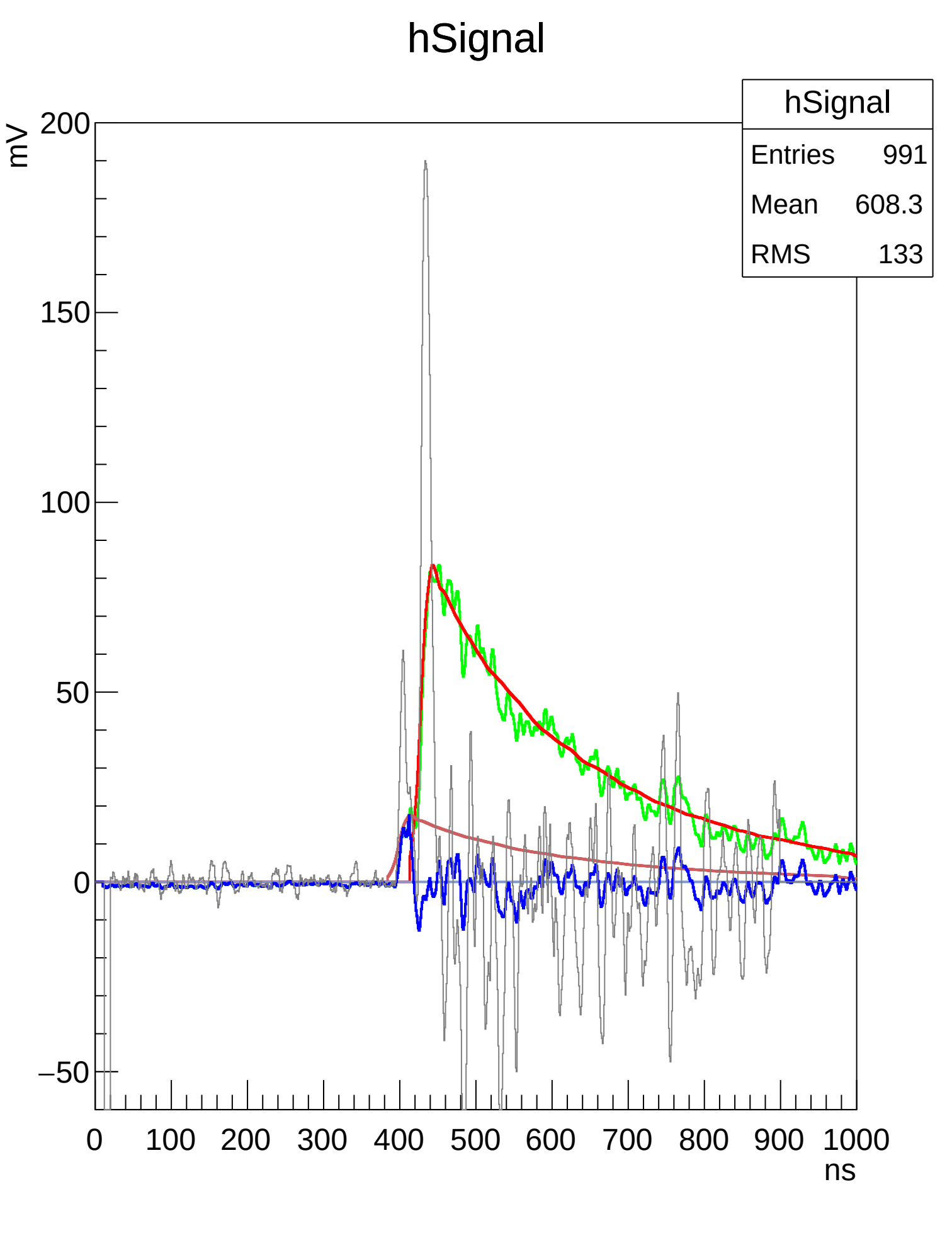
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 118.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.3
RMS 91.51
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.3
RMS 133
mV
200
150
100
50
0
−50
0
100
200
300
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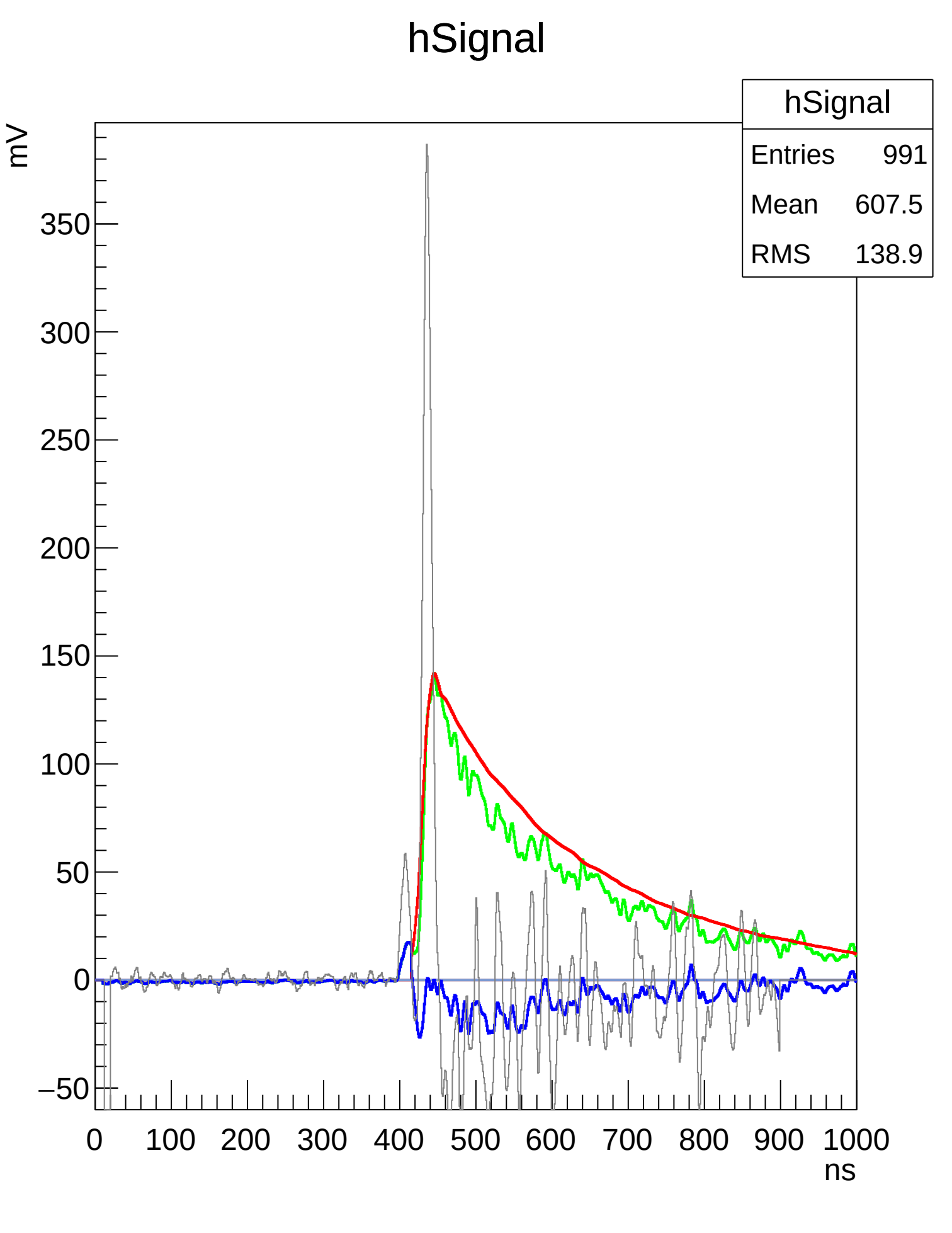
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.5
RMS 138.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
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400
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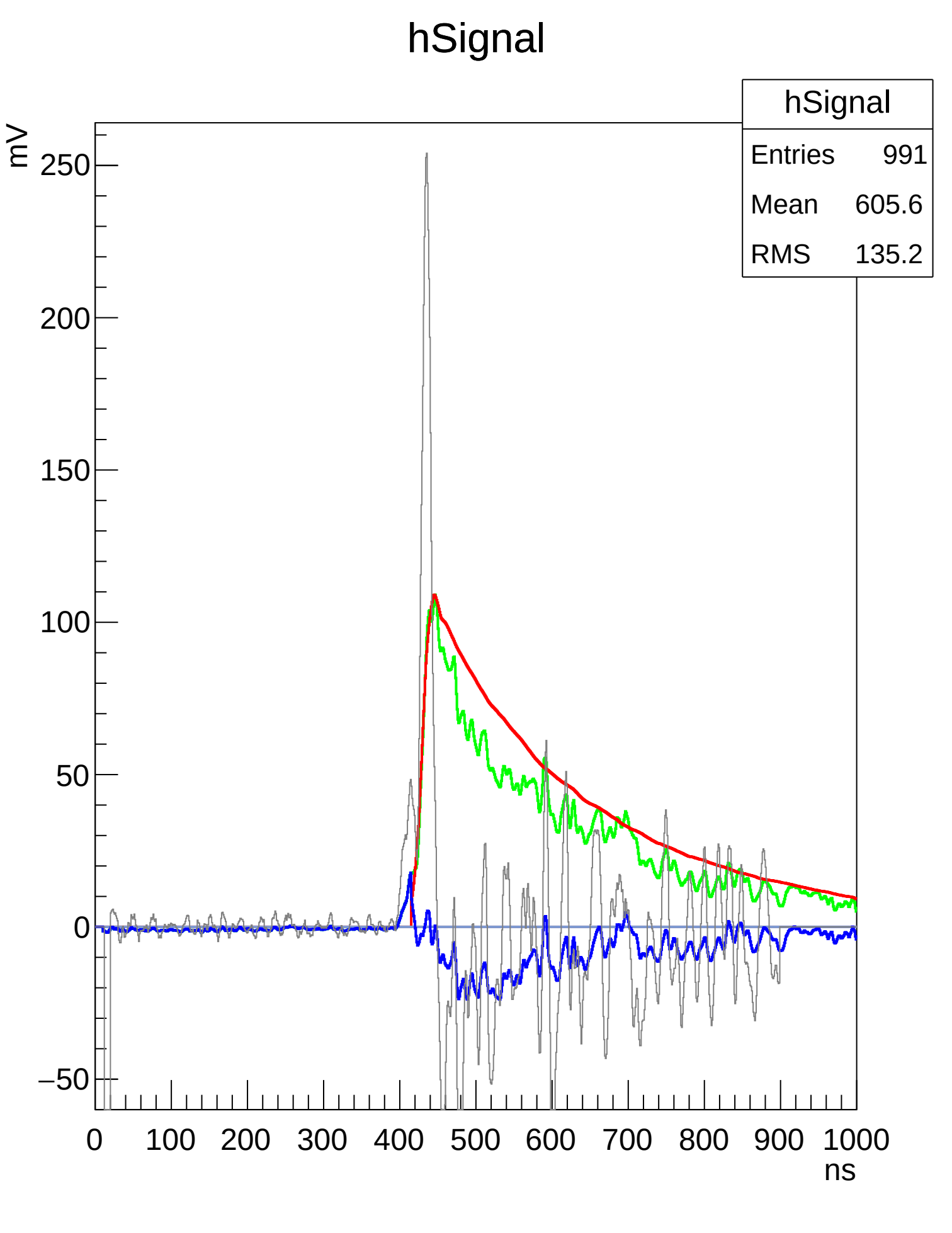
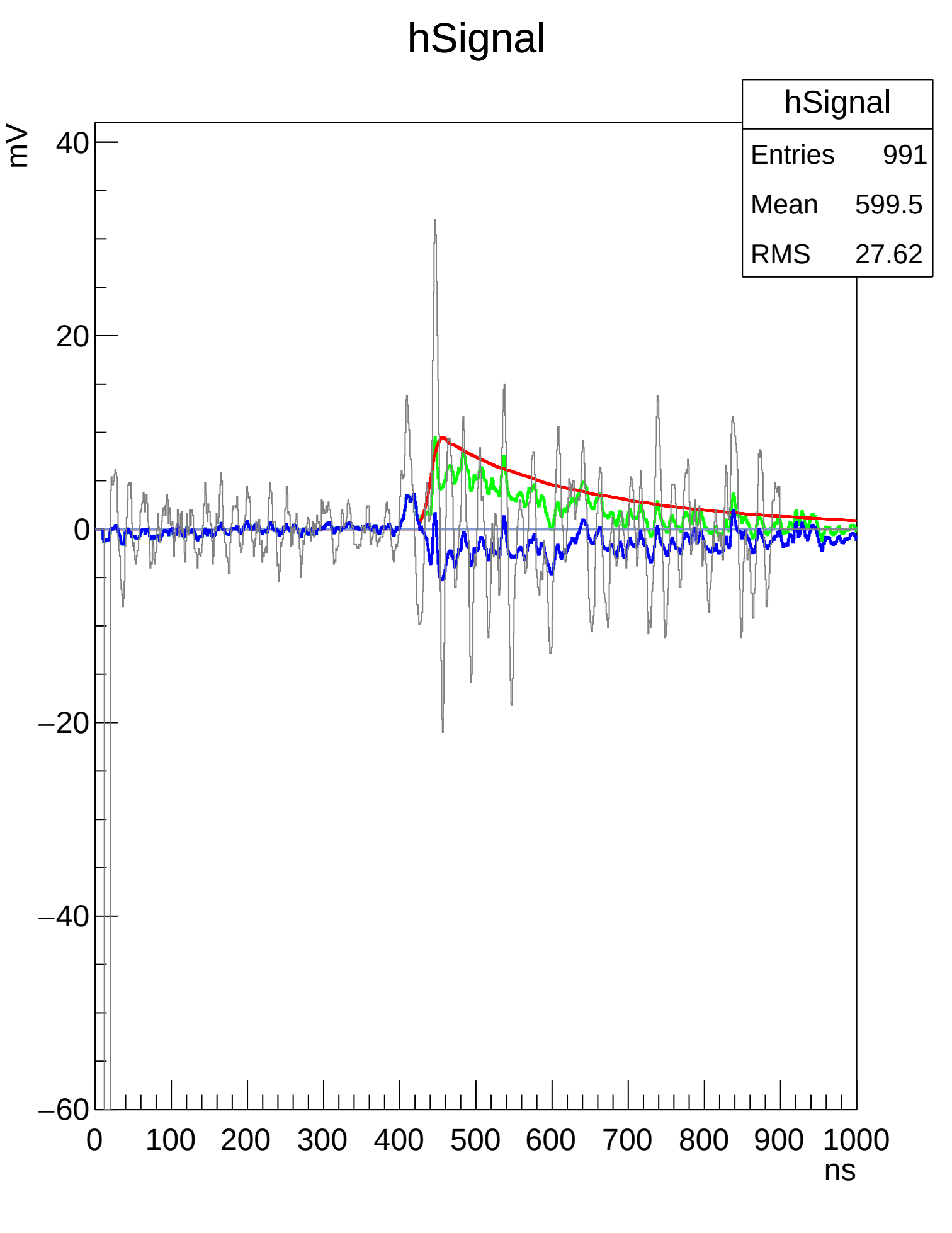
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.6
RMS 135.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.5
RMS 27.62
mV
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−20
−40
−60
0
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400
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800
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1000
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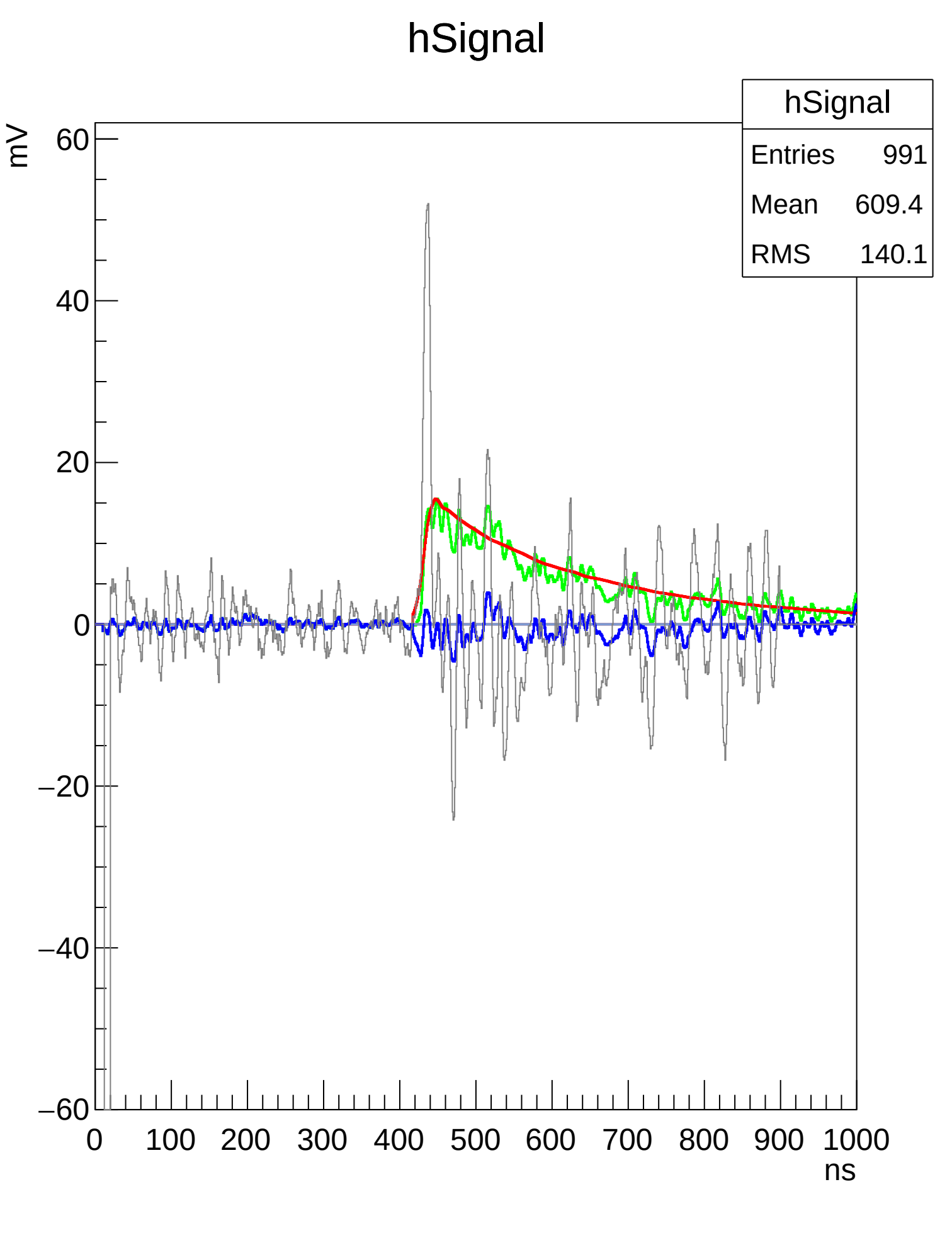
hSignal
hSignal
Entries 991
Mean 609.4
RMS 140.1
mV
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0
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400
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800
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1000
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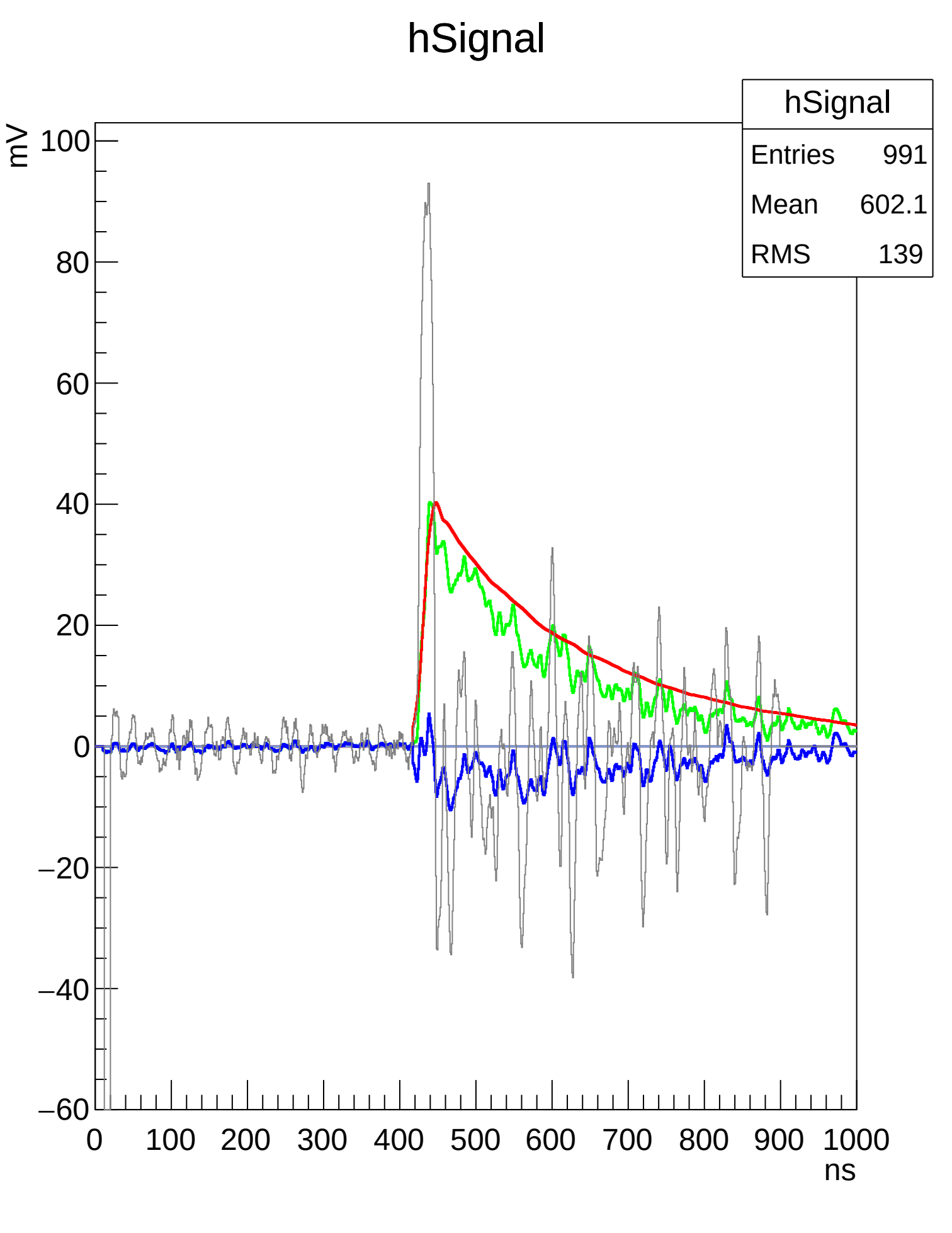
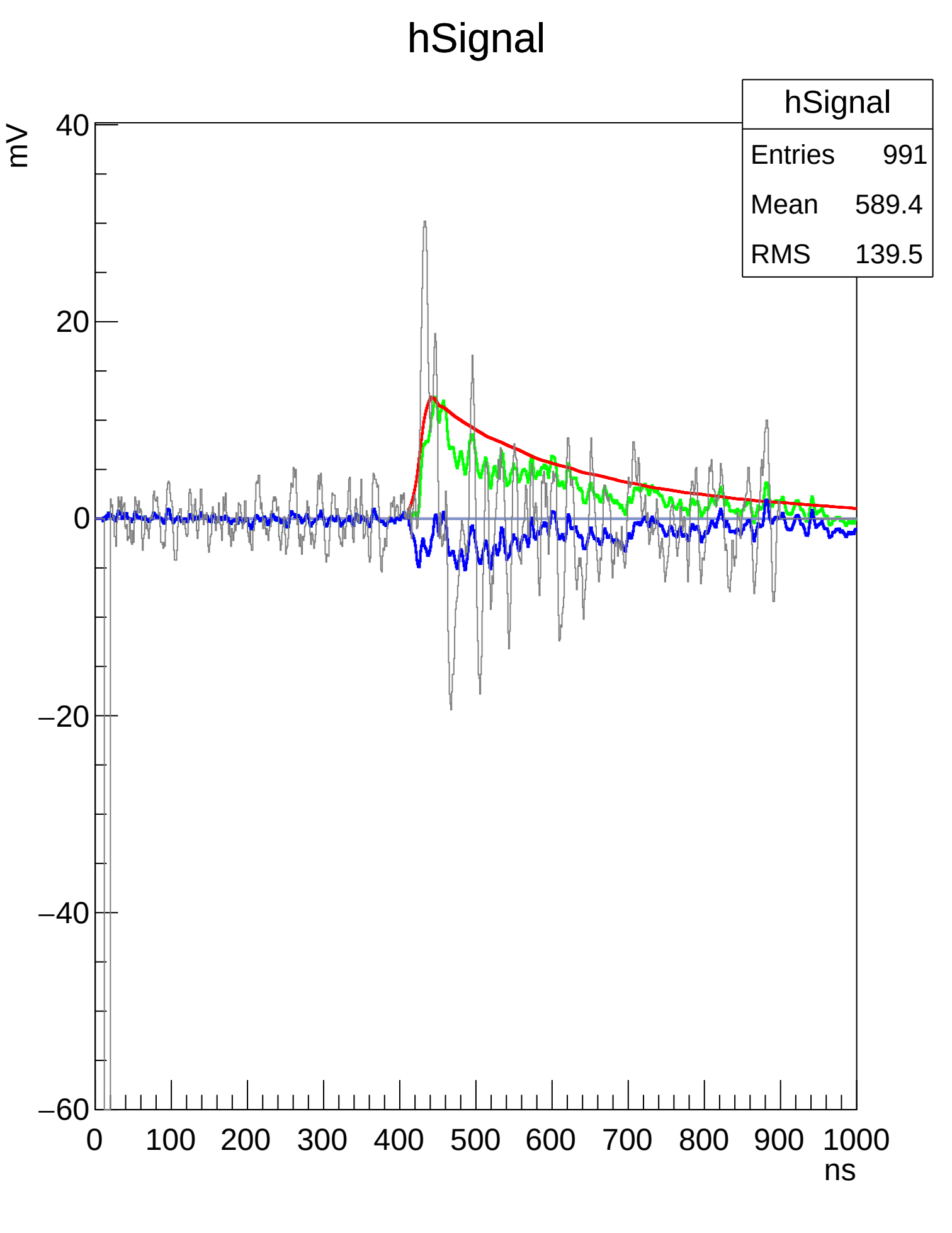

hSignal
hSignal
Entries 991
Mean 602.1
RMS 139
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.4
RMS 139.5
mV
40
20
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−20
−40
−60
0
100
200
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400
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600
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800
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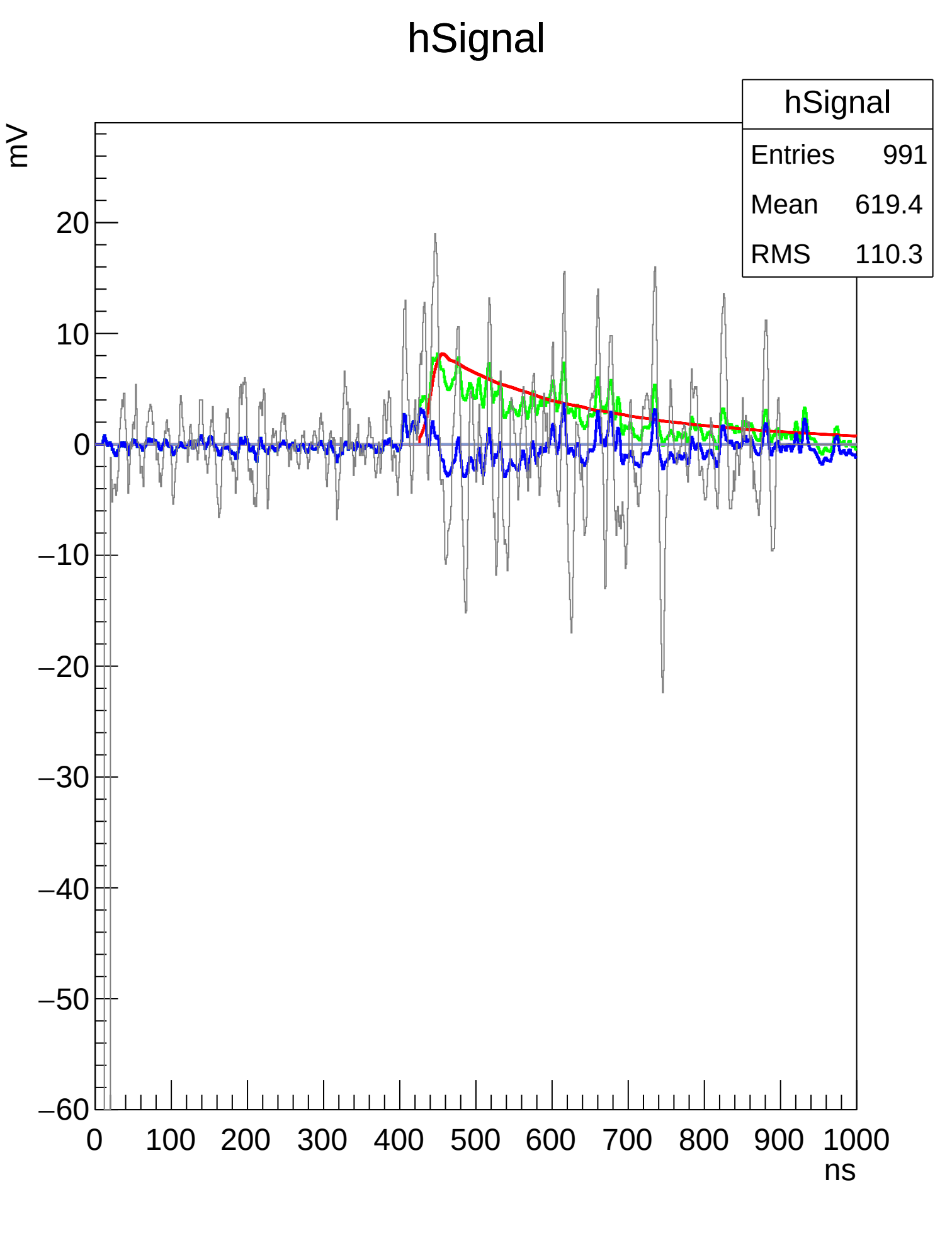
1000
ns


hSignal
hSignal
Entries 991
Mean 619.4
RMS 110.3
mV
20
10
0
−10
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−40
−50
−60
0
100
200
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400
500
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800
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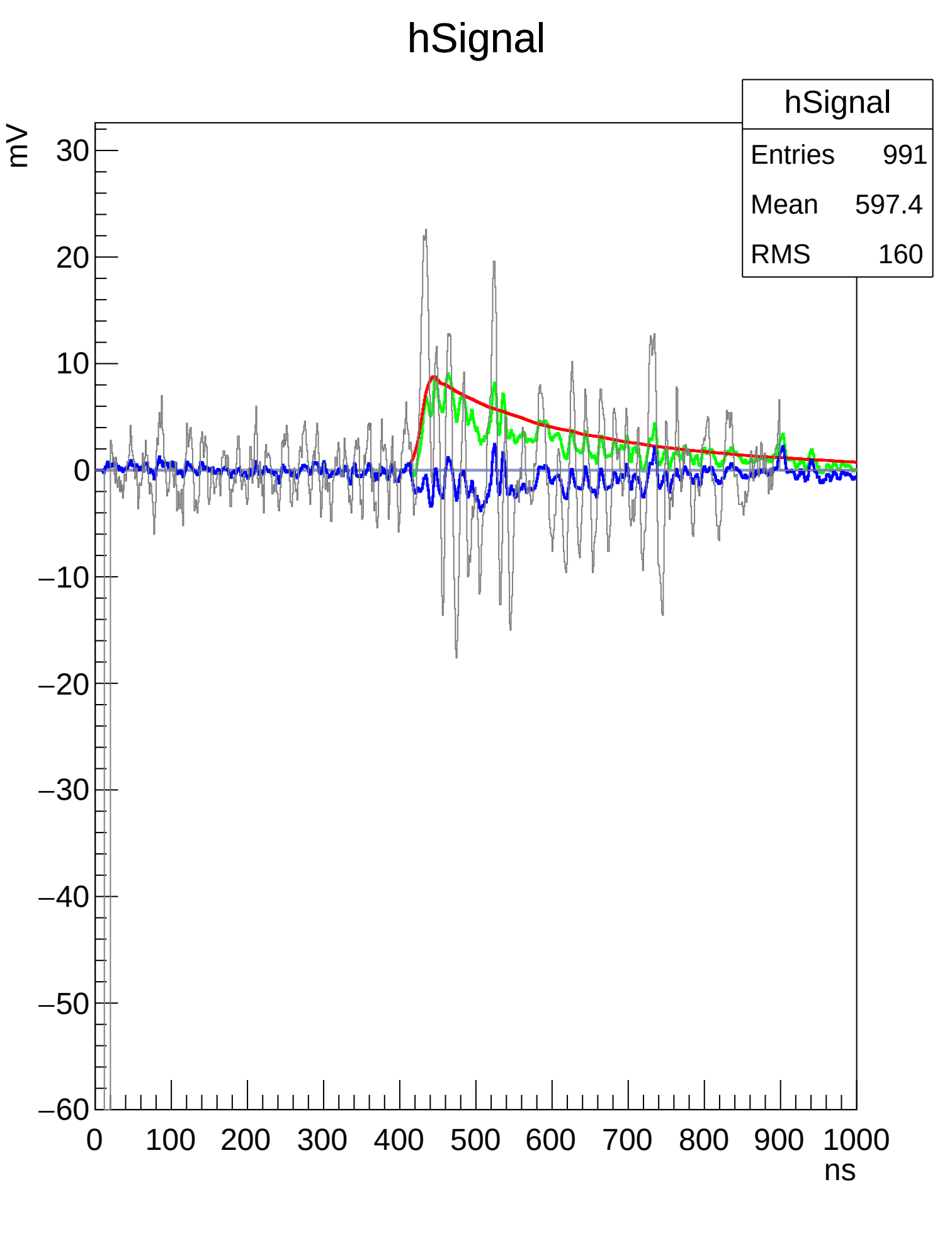
1000
ns


hSignal
hSignal
Entries 991
Mean 597.4
RMS 160
mV
30
20
10
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−40
−50
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0
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400
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600
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800
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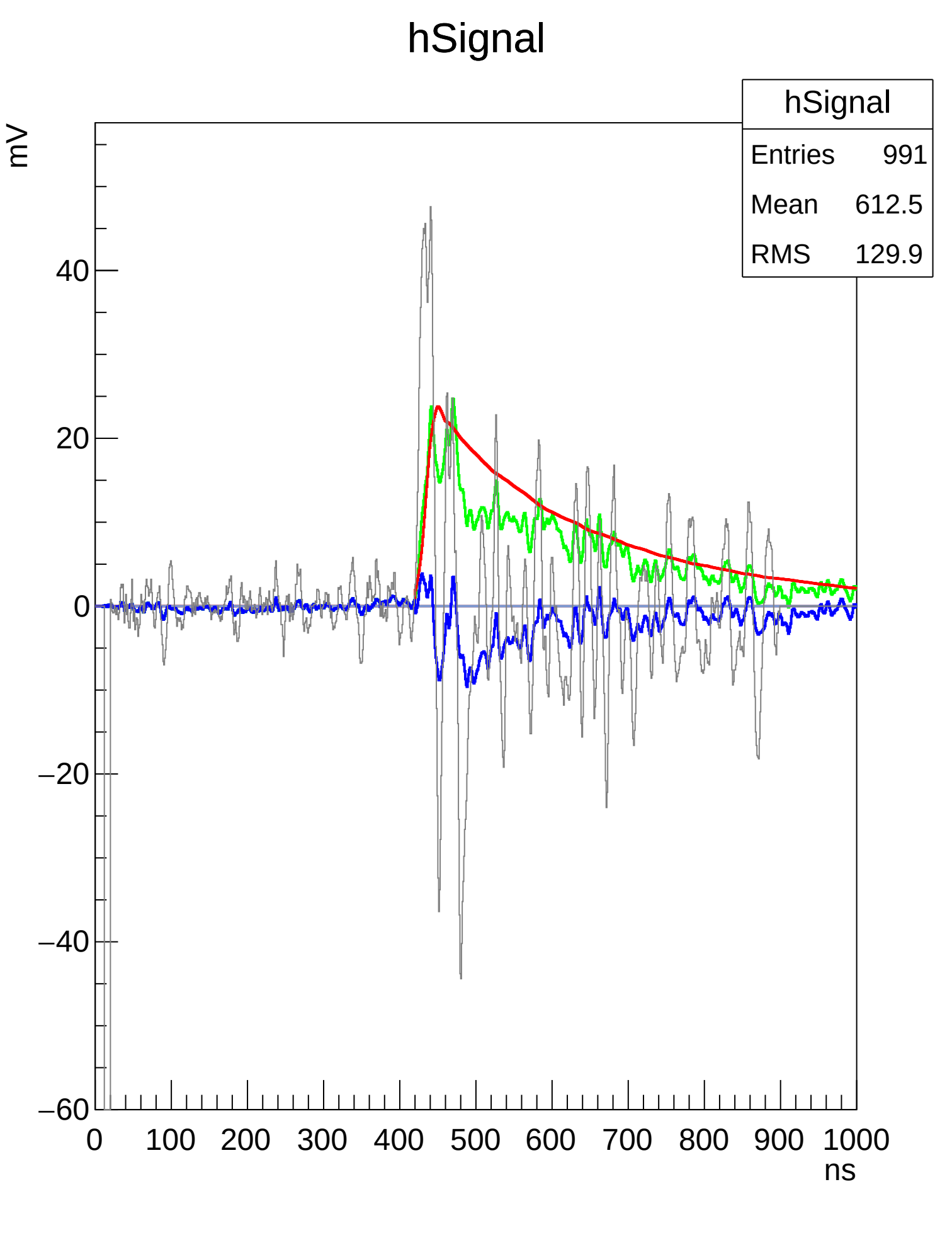
1000
ns


hSignal
hSignal
Entries 991
Mean 612.5
RMS 129.9
mV
40
20
0
−20
−40
−60
0
100
200
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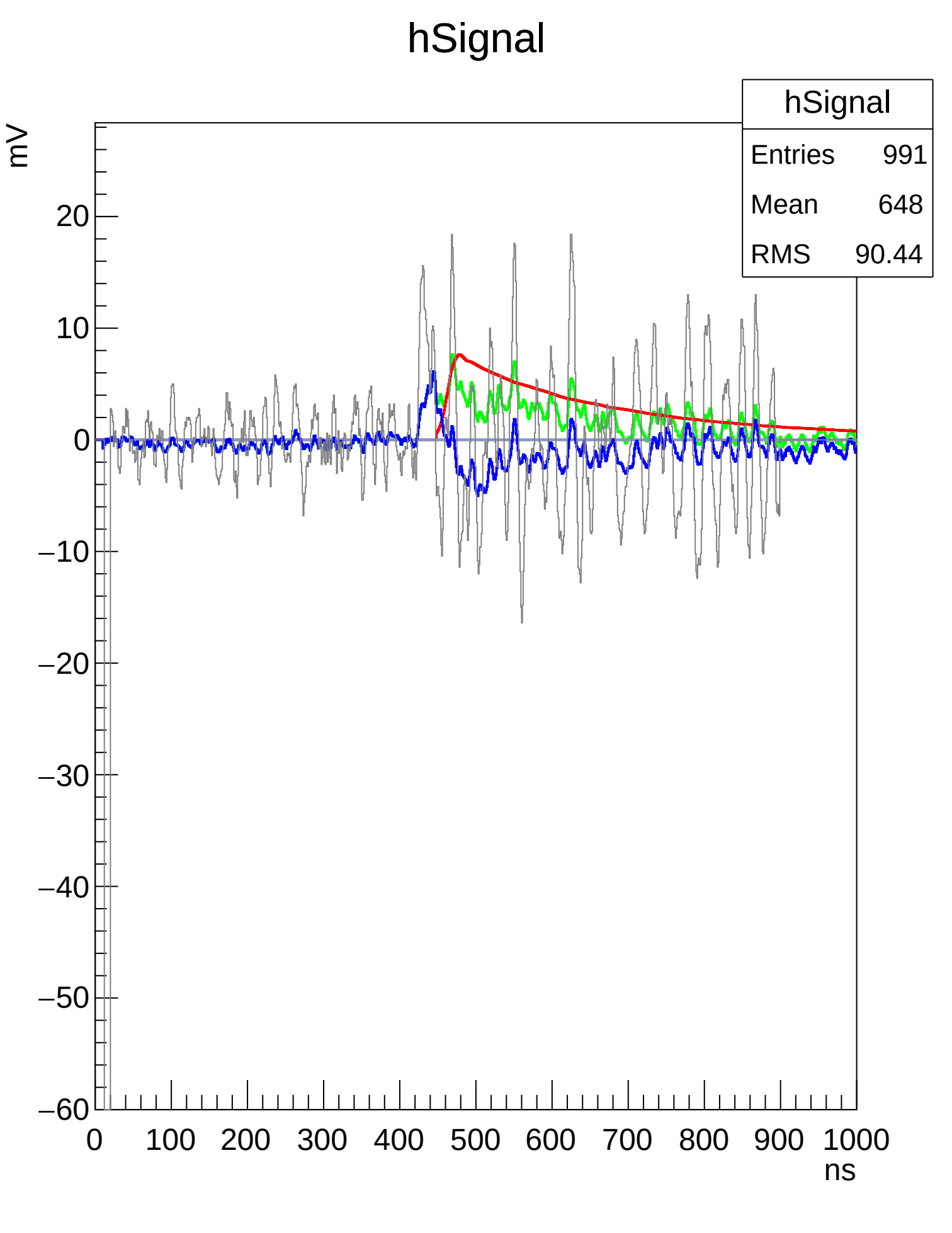
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 648
RMS 90.44
mV
20
10
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−10
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−40
−50
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0
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400
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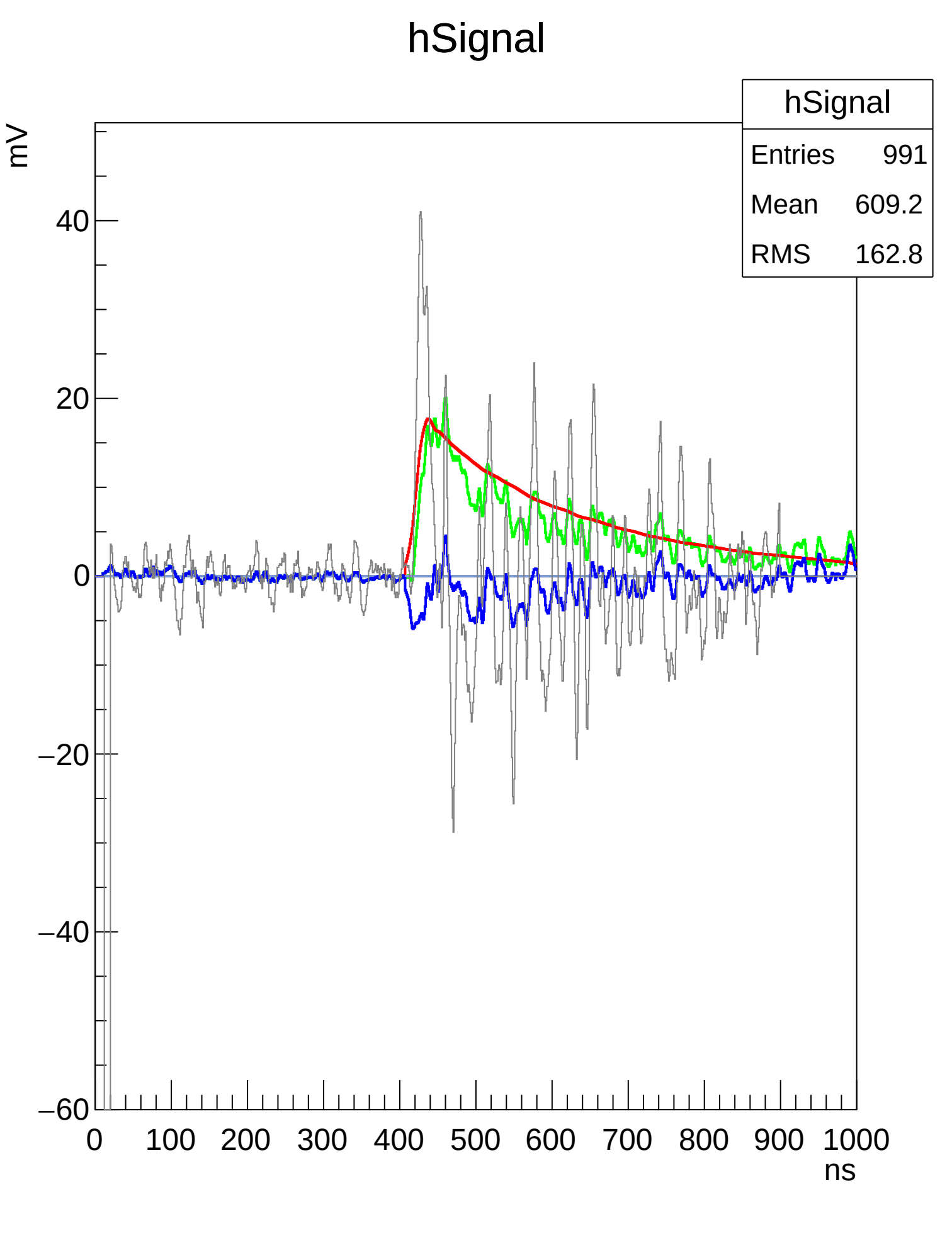
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 162.8
mV
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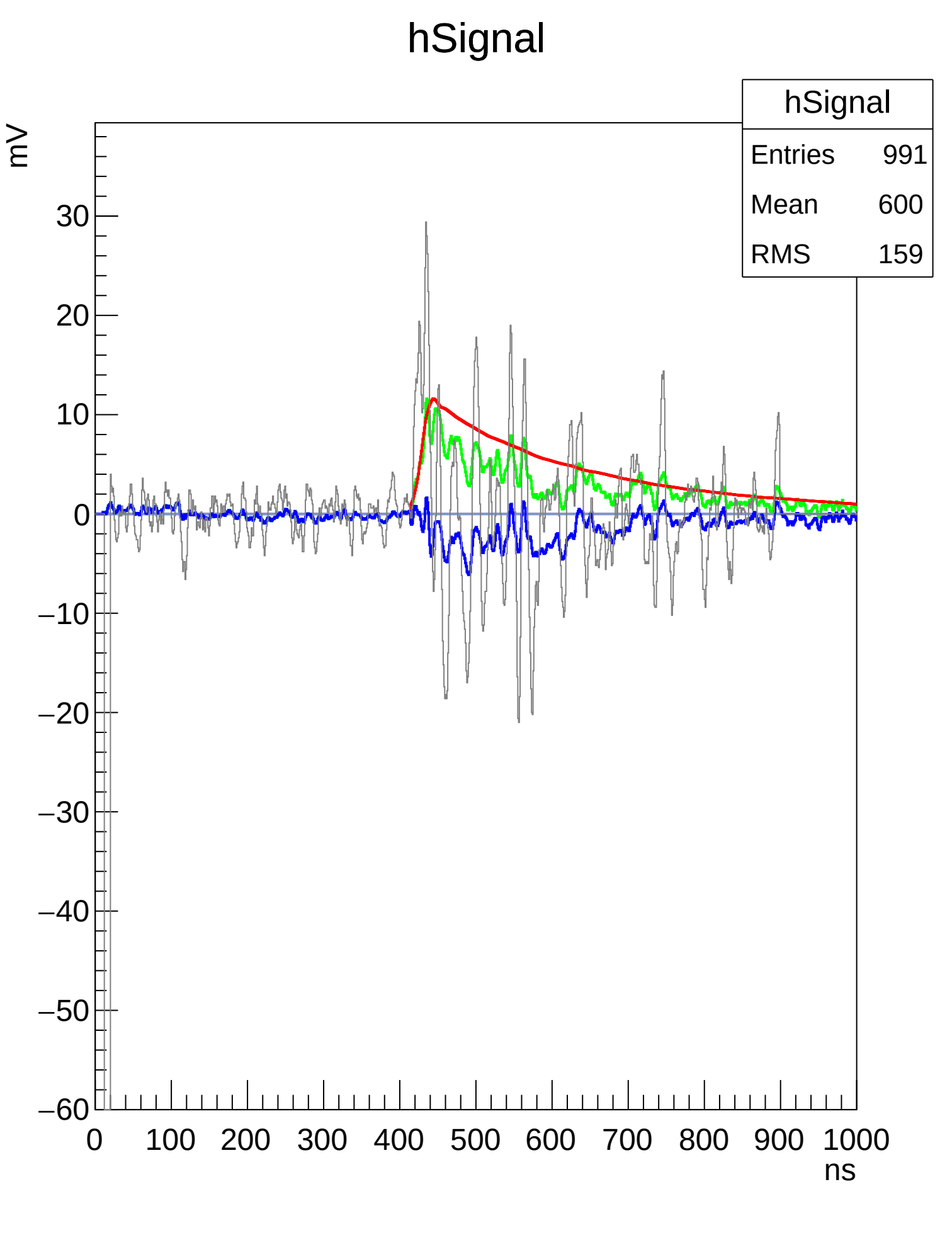
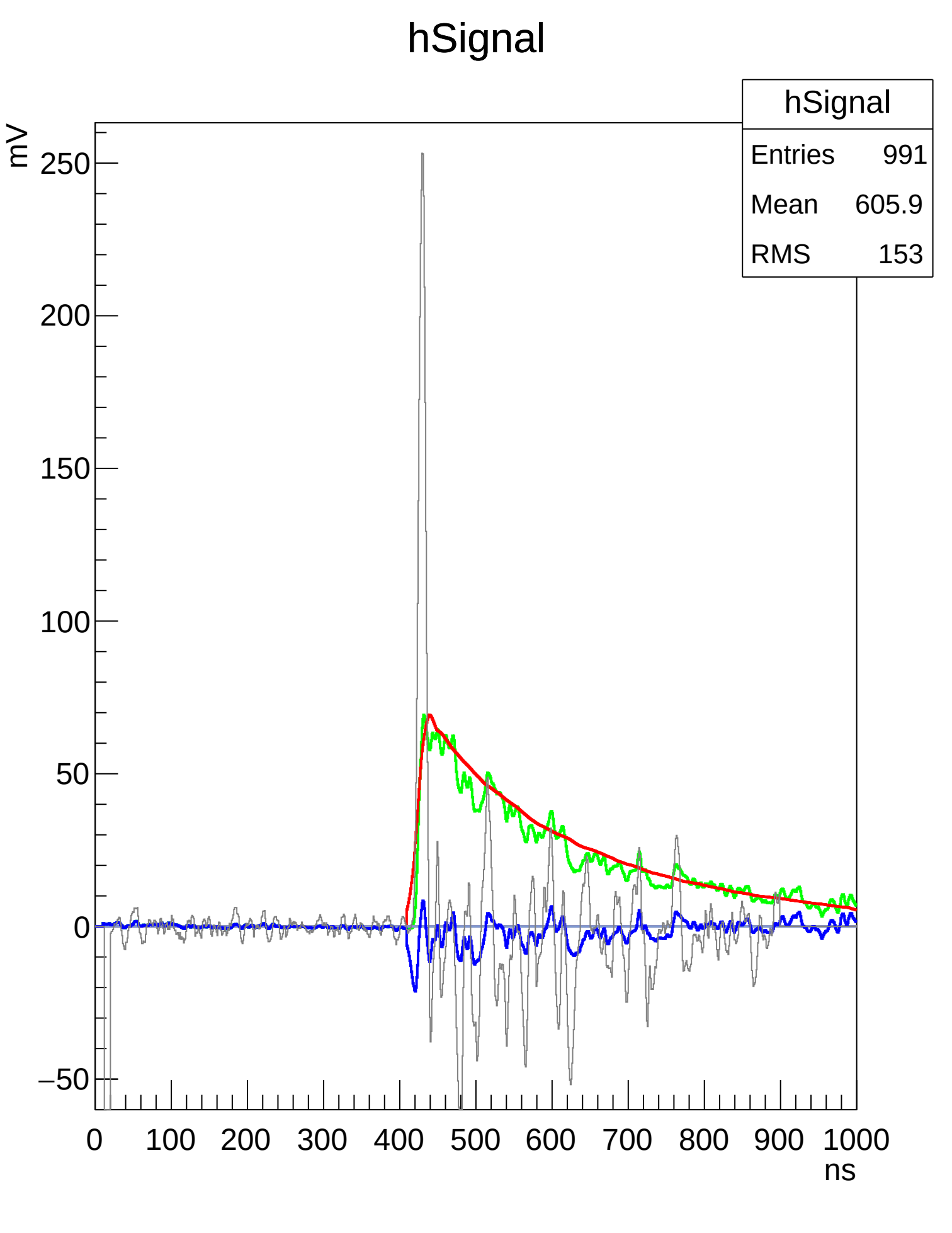
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600
RMS 159
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 153
mV
250
200
150
100
50
0
−50
0
100
200
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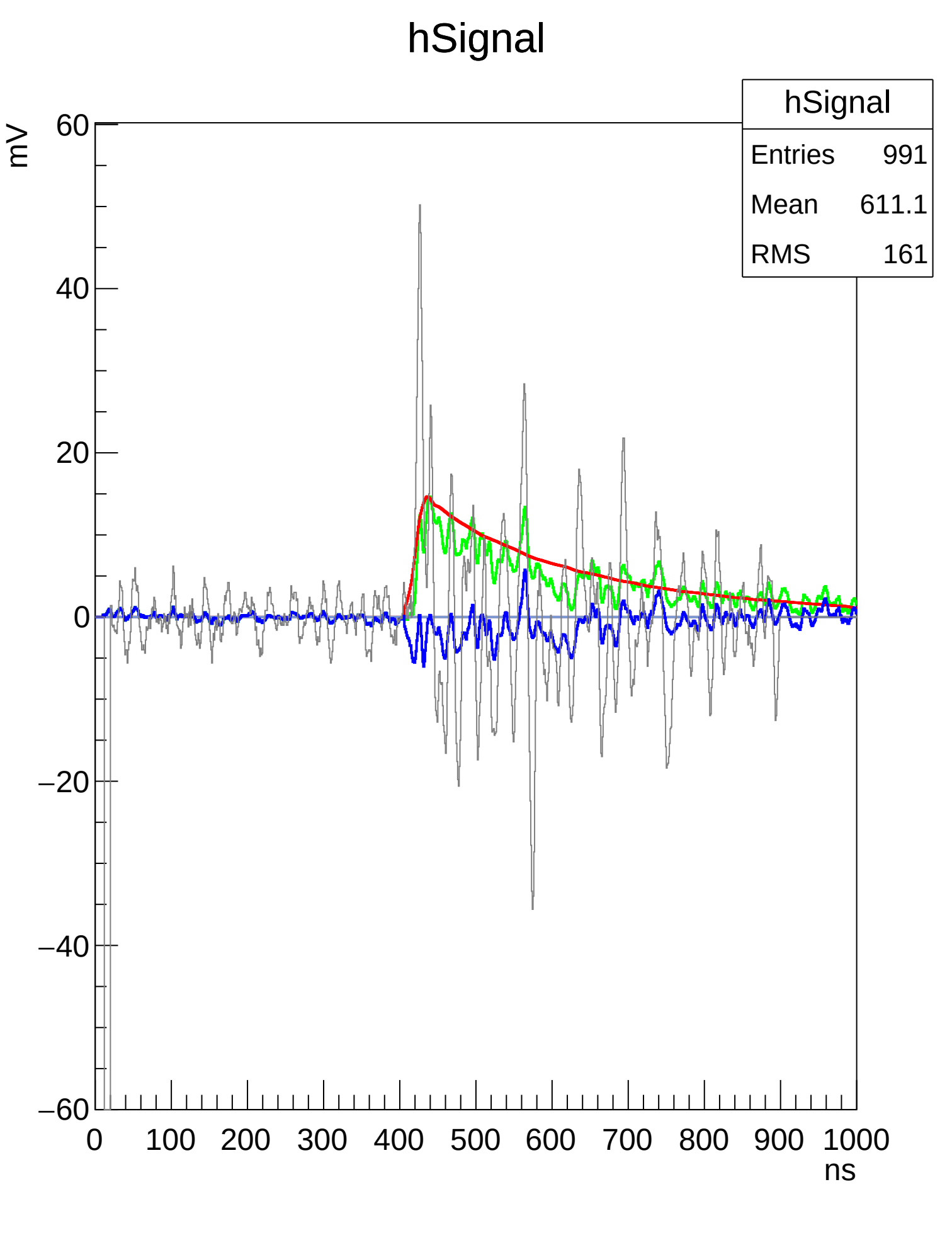
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.1
RMS 161
mV
60
40
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0
−20
−40
−60
0
100
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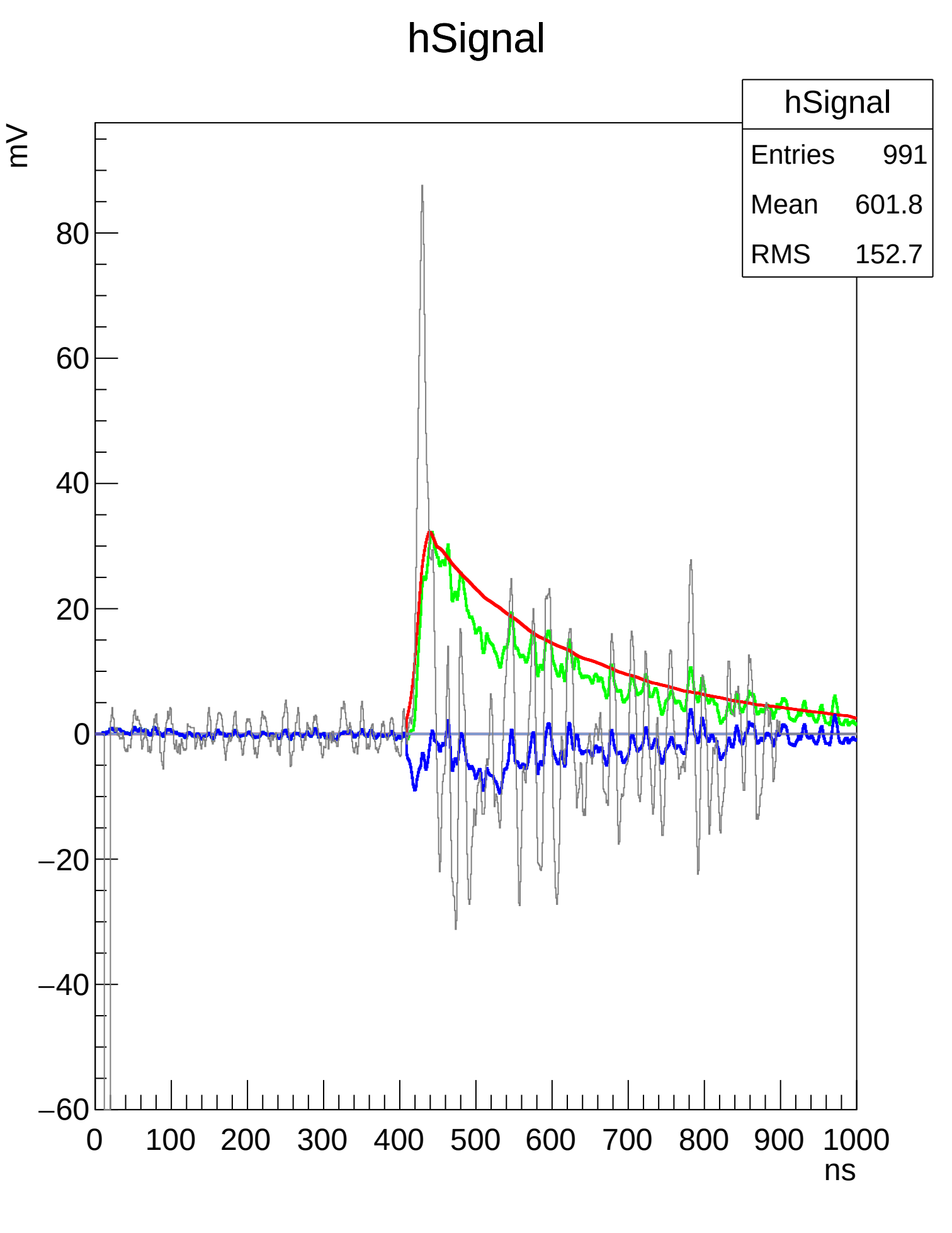
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.8
RMS 152.7
mV
80
60
40
20
0
−20
−40
−60
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200
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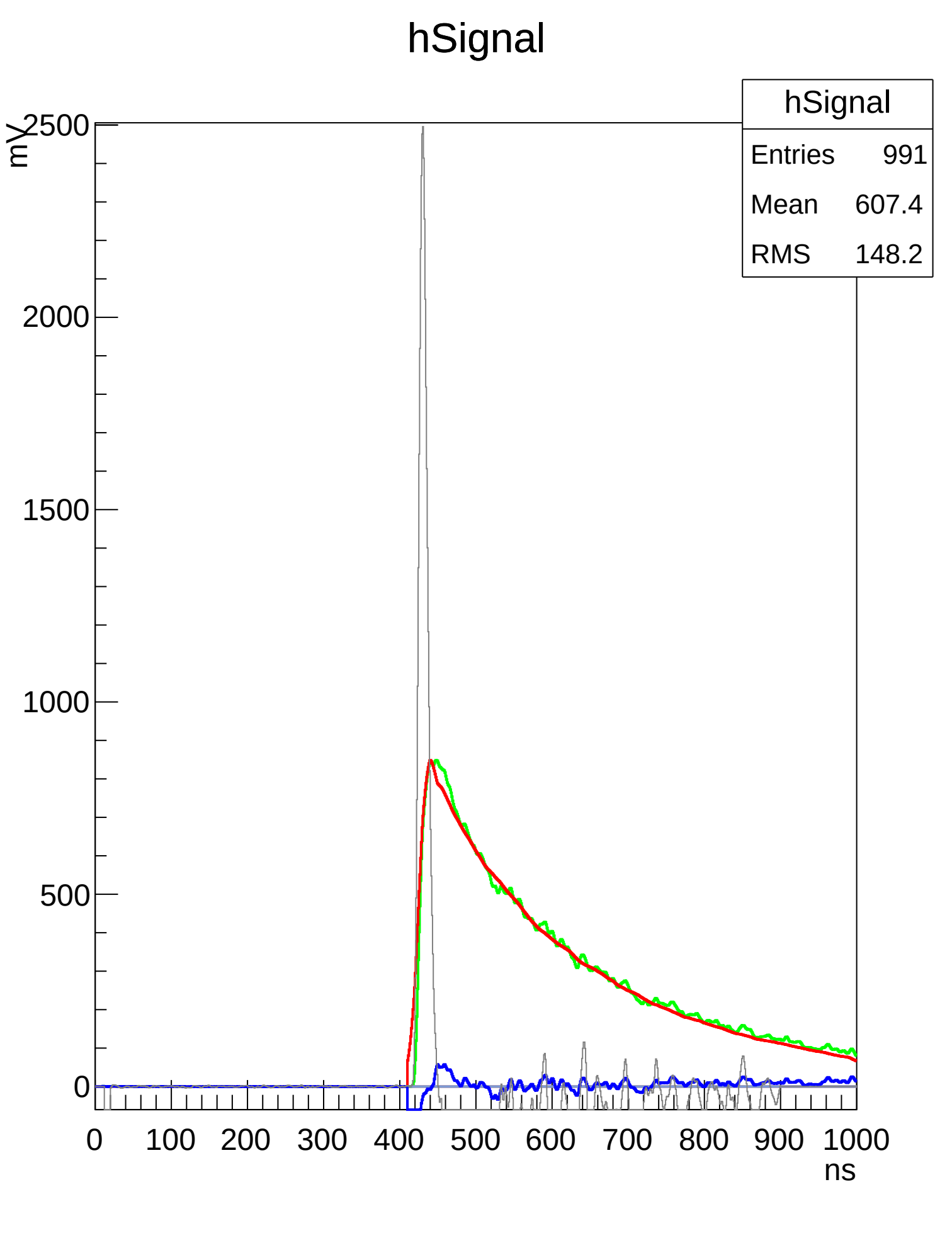
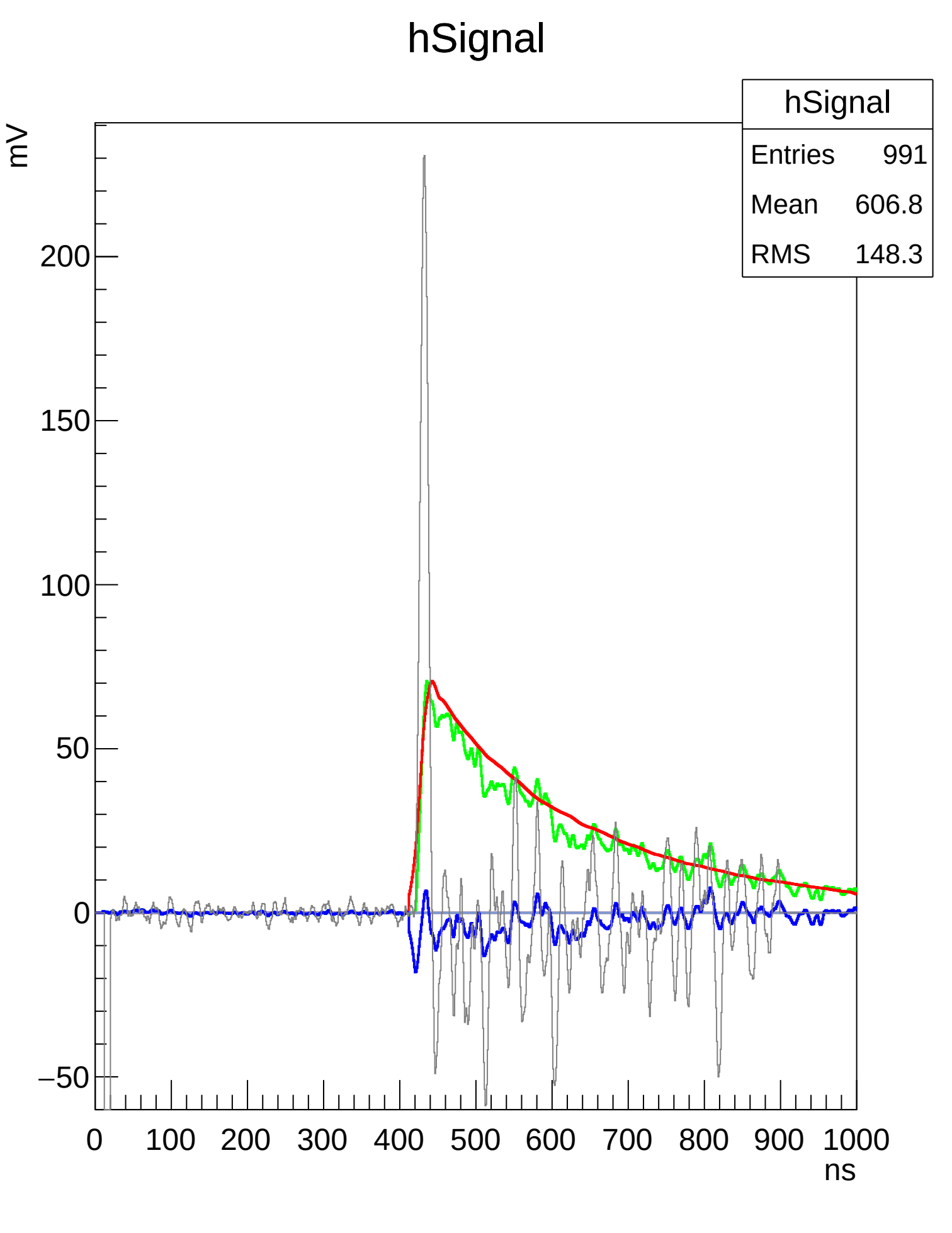
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.4
RMS 148.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.8
RMS 148.3
mV
200
150
100
50
0
−50
0
100
200
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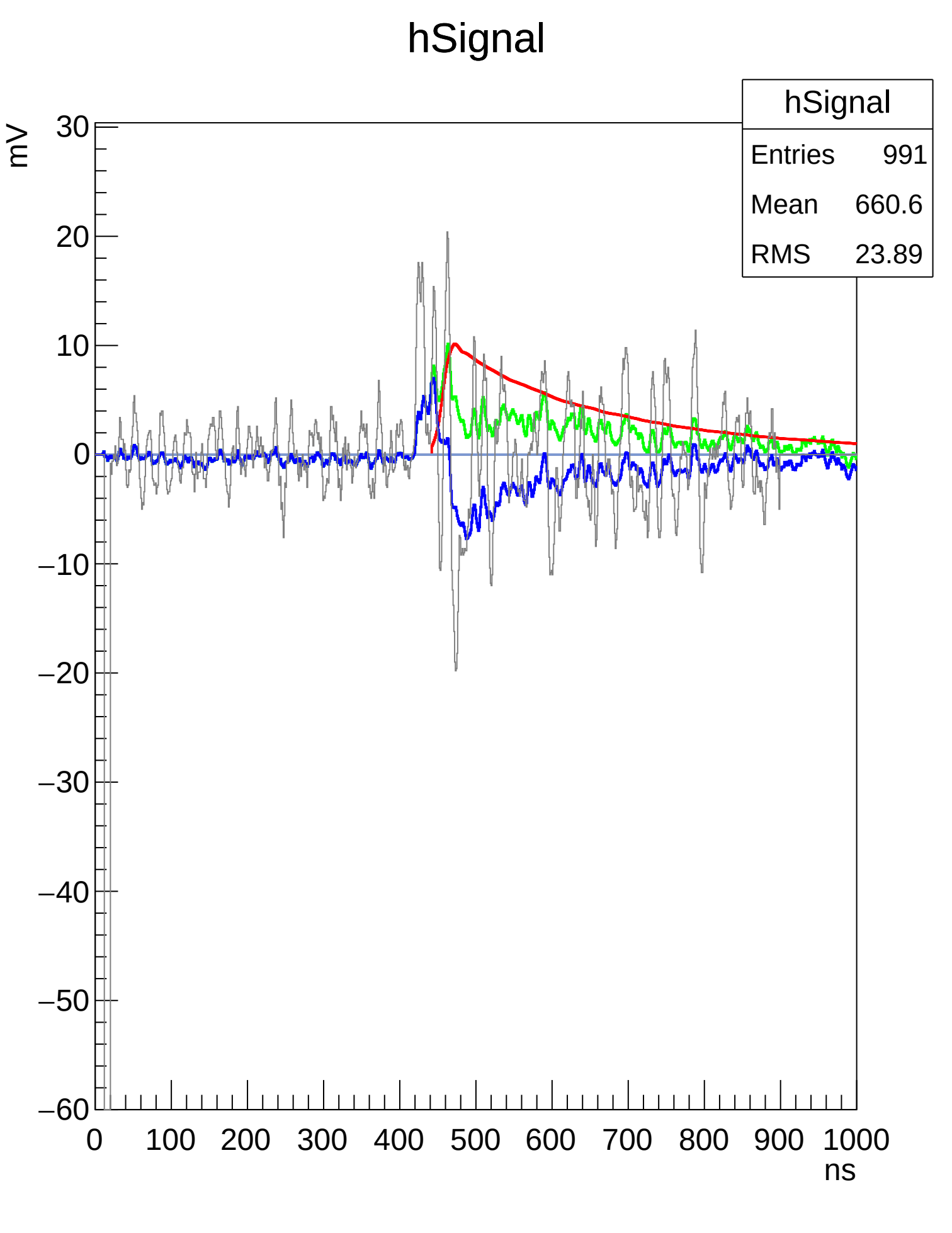
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 660.6
RMS 23.89
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
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400
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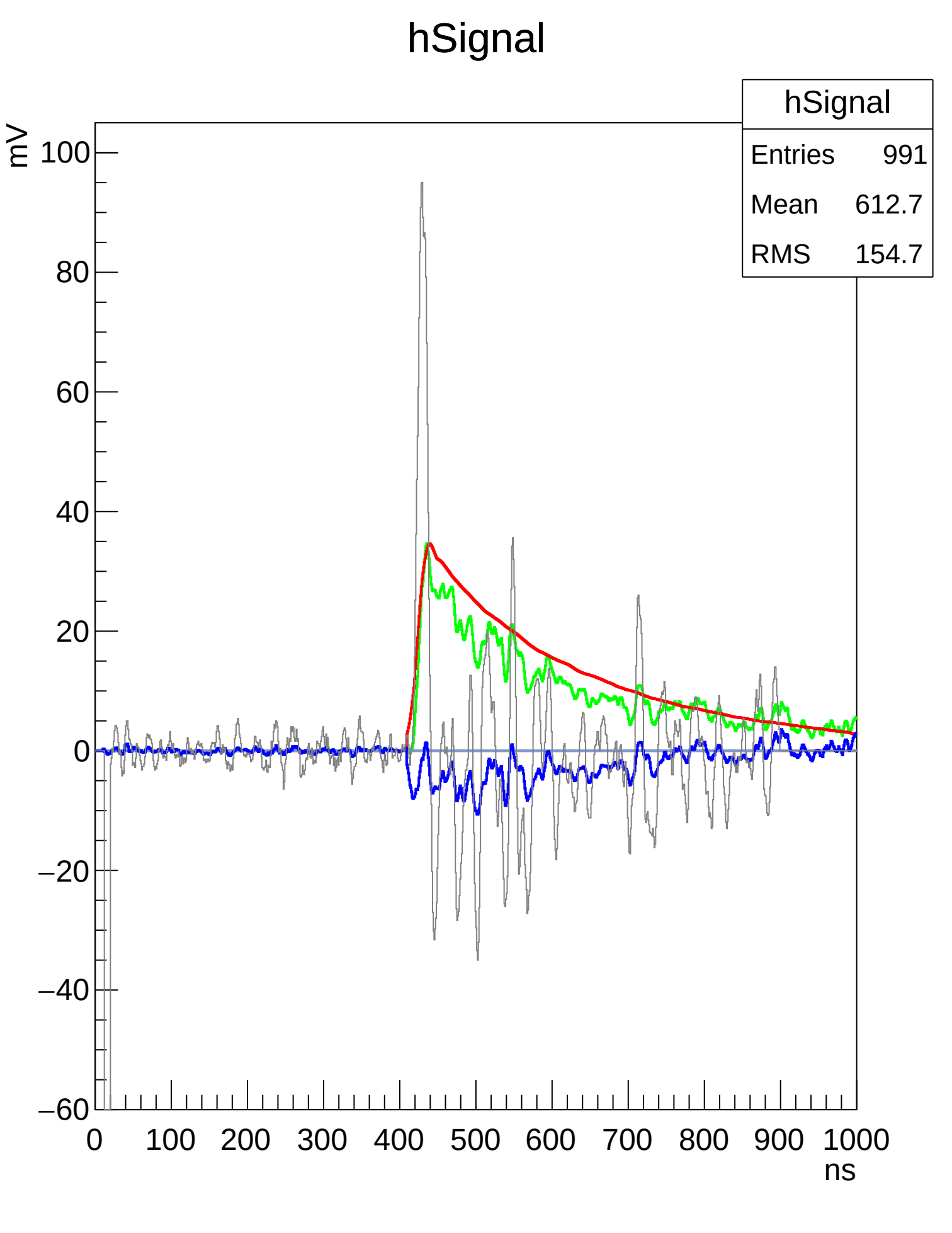
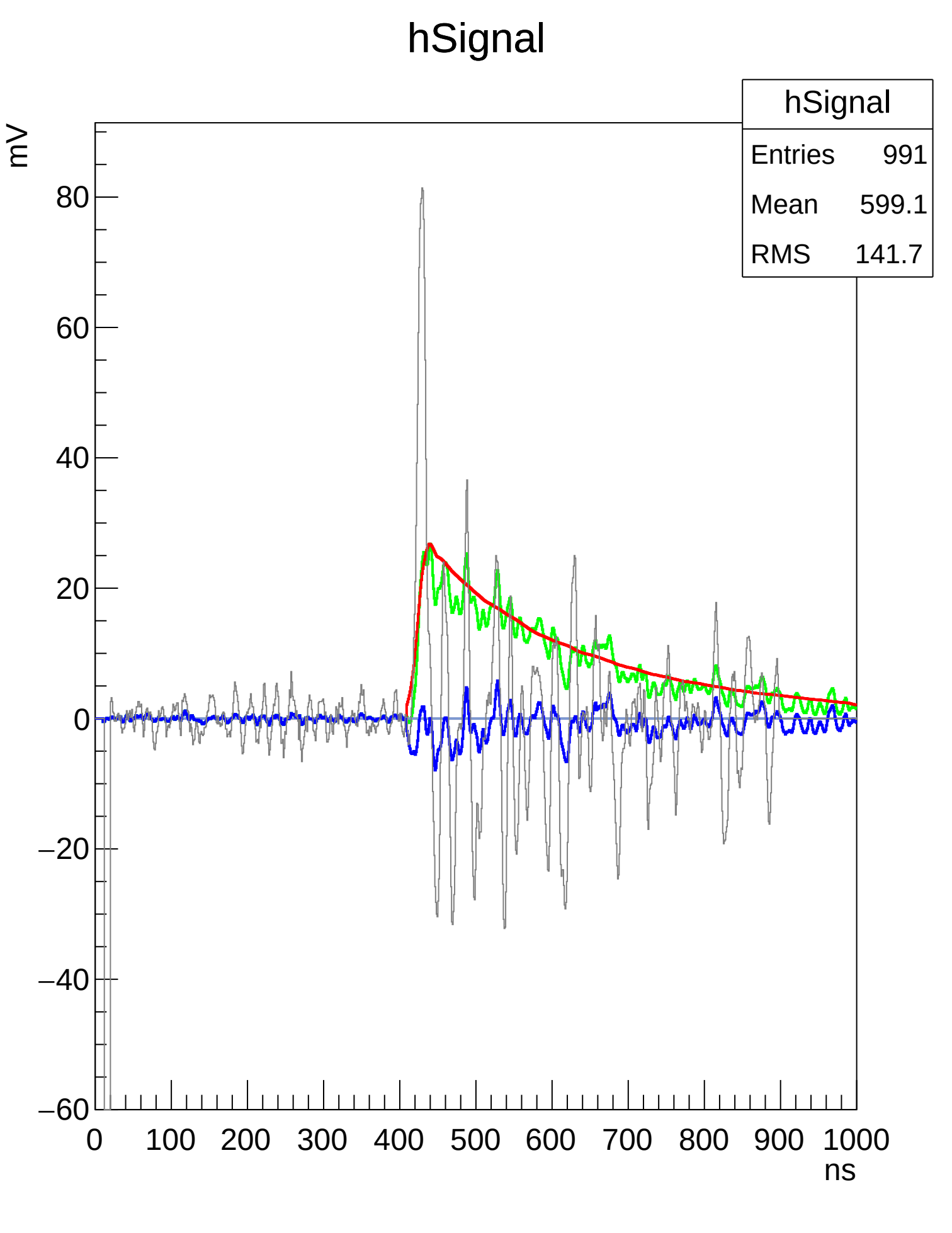
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.7
RMS 154.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 141.7
mV
80
60
40
20
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−20
−40
−60
0
100
200
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400
500
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800
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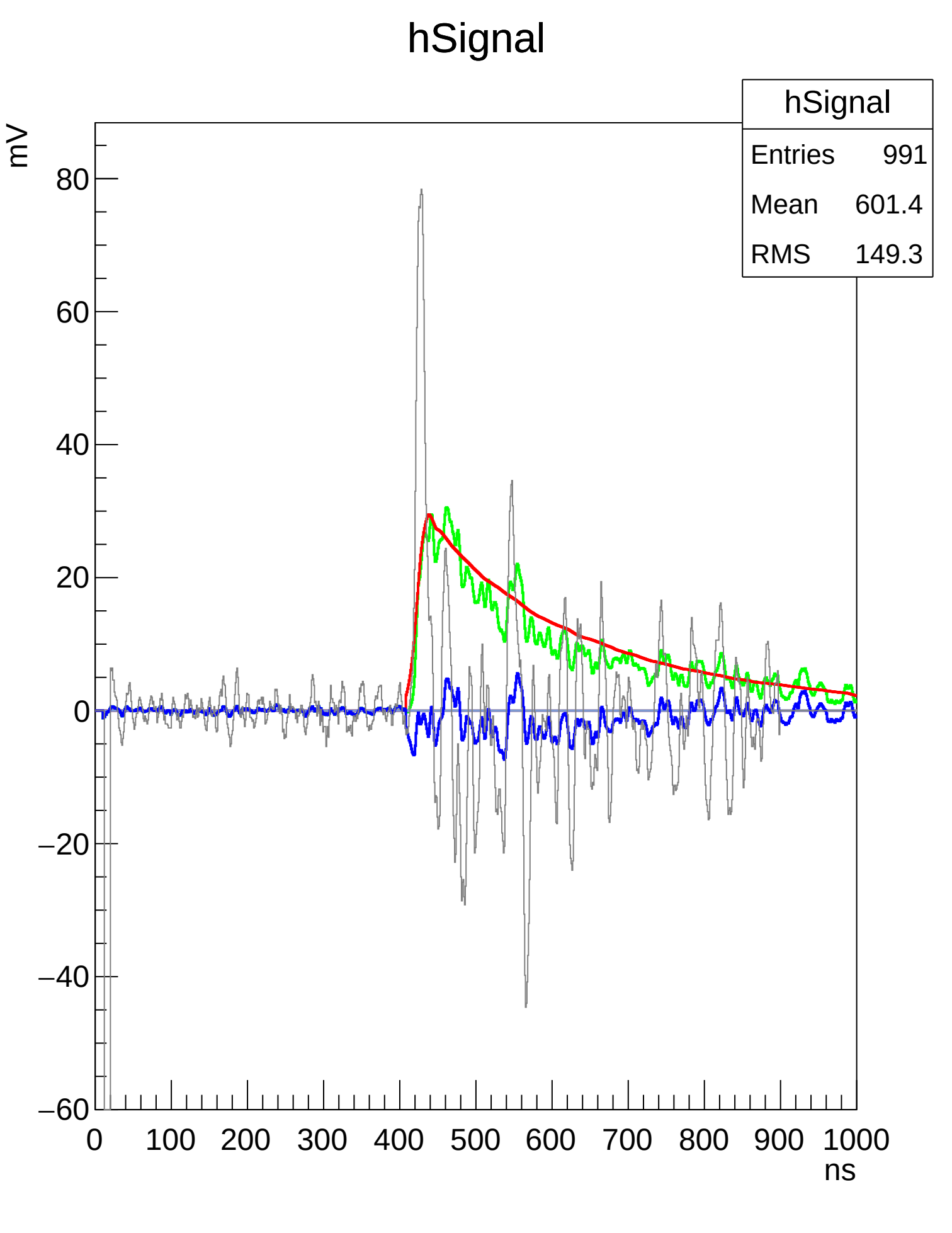
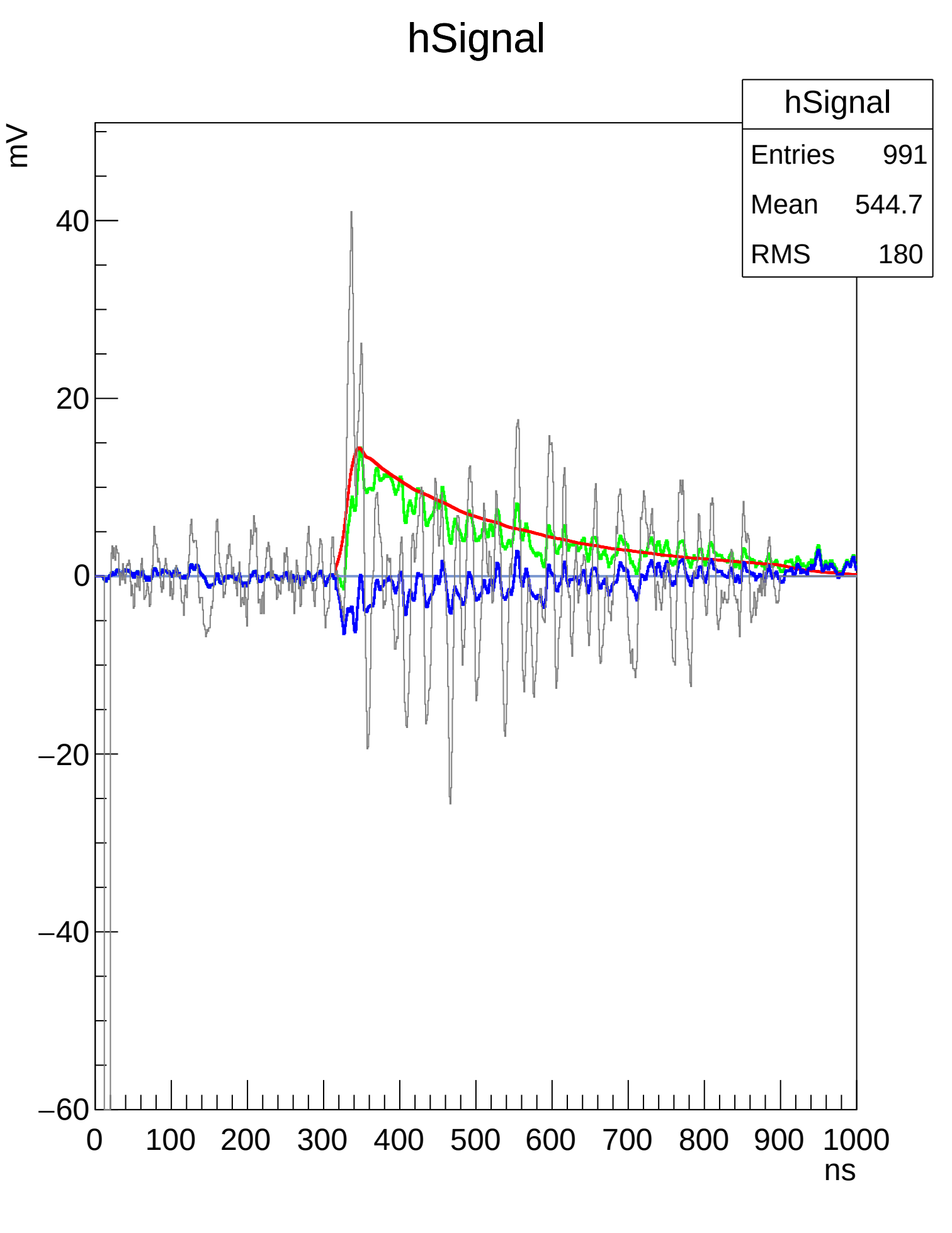
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 149.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.7
RMS 180
mV
40
20
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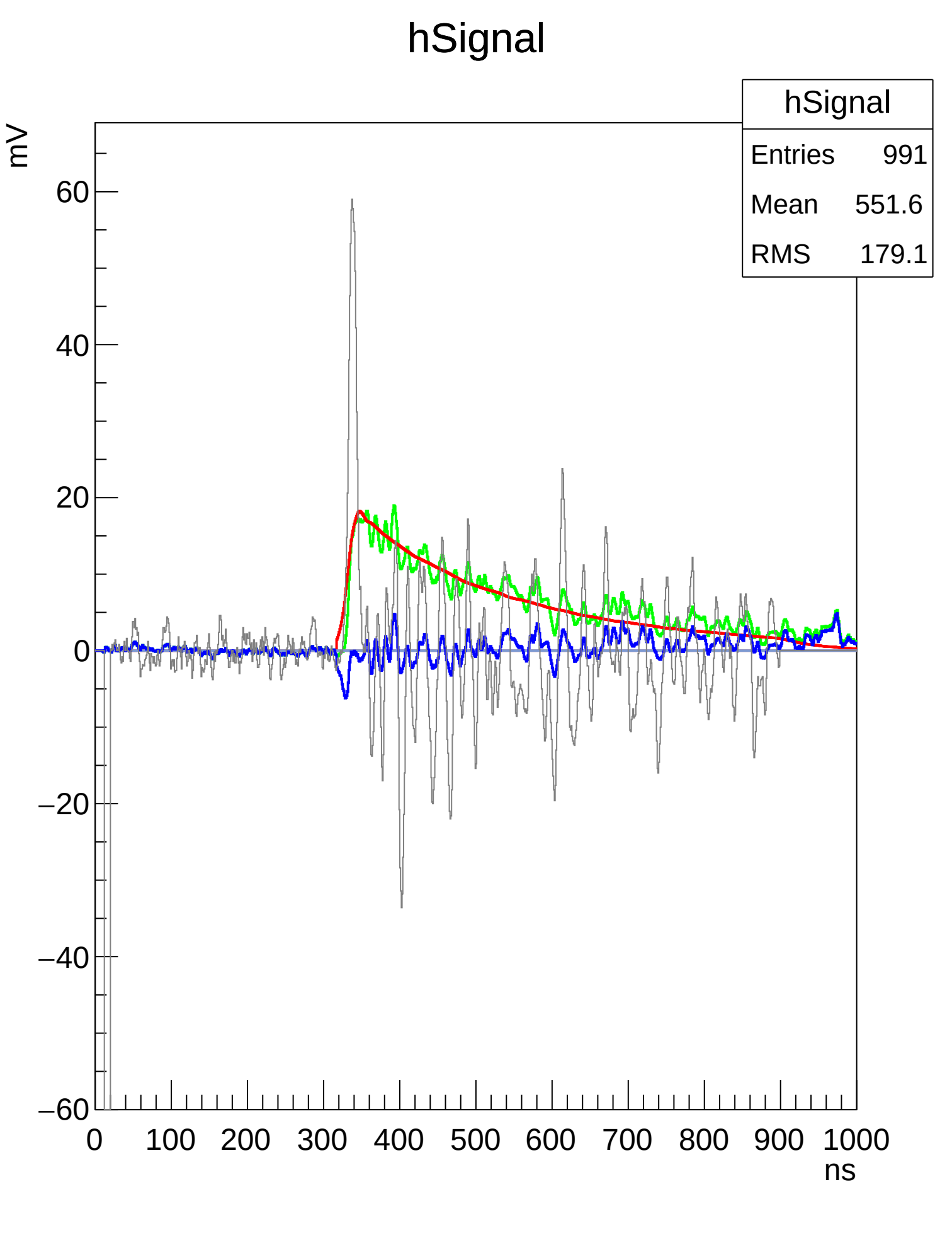
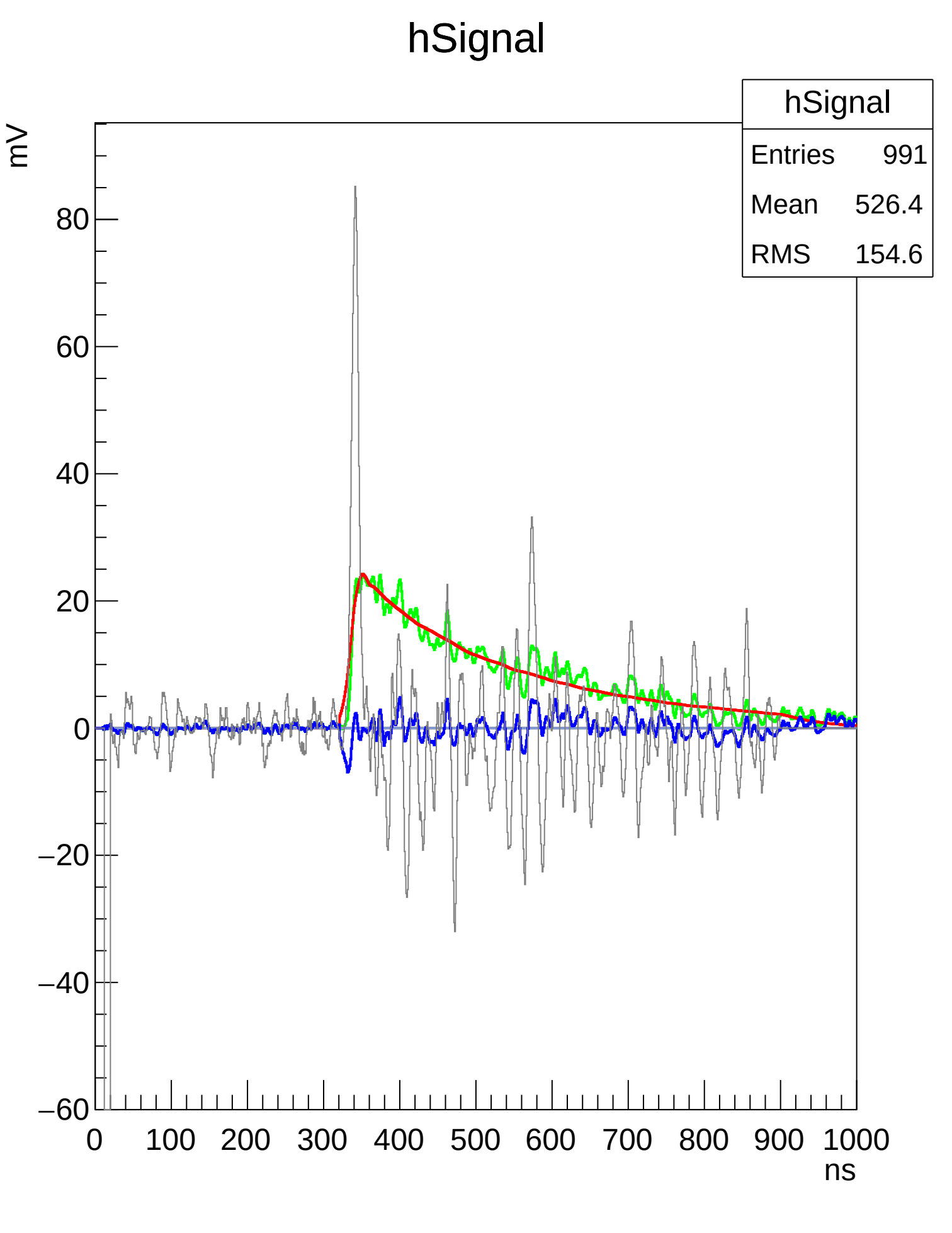
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.6
RMS 179.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.4
RMS 154.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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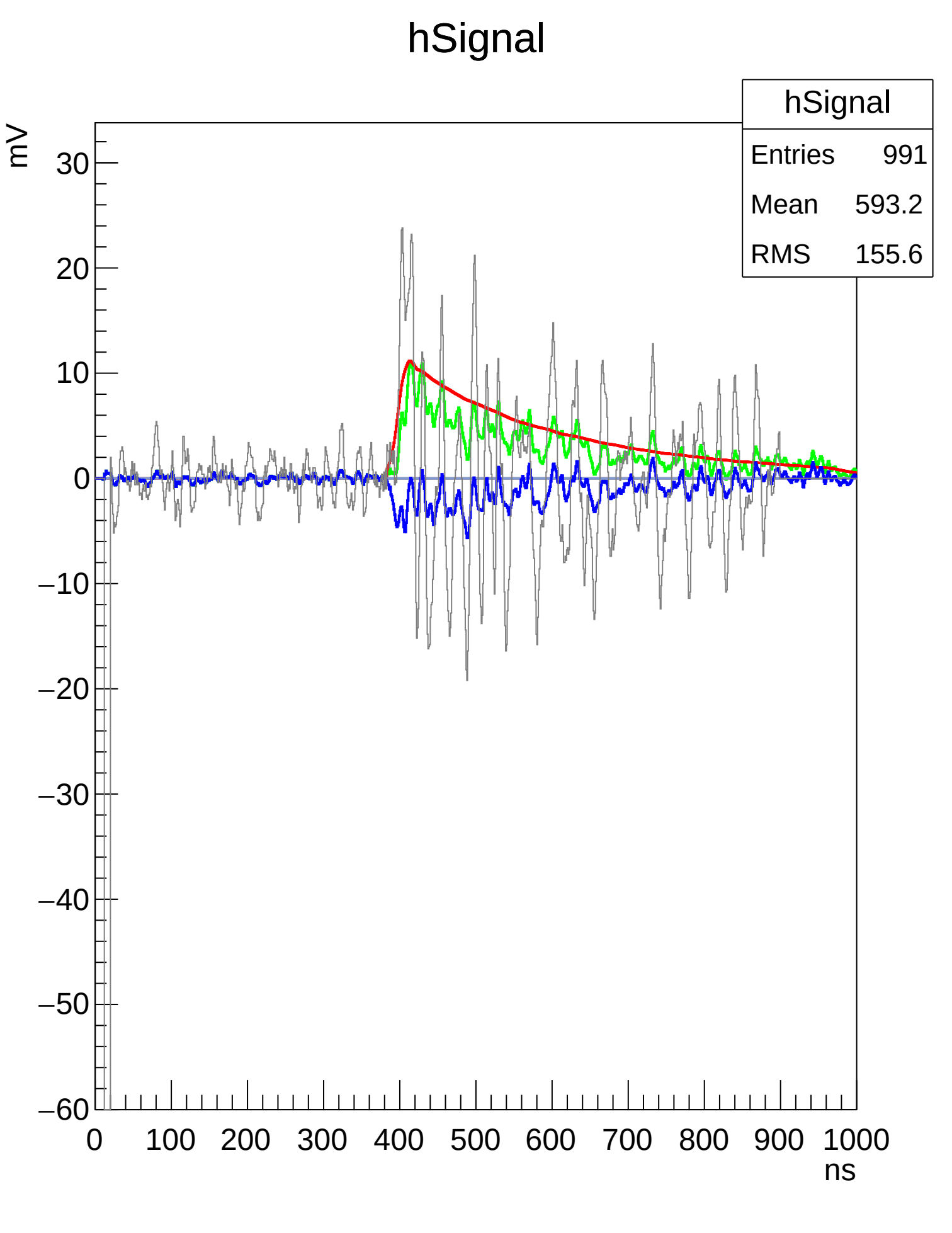
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.2
RMS 155.6
mV
30
20
10
0
−10
−20
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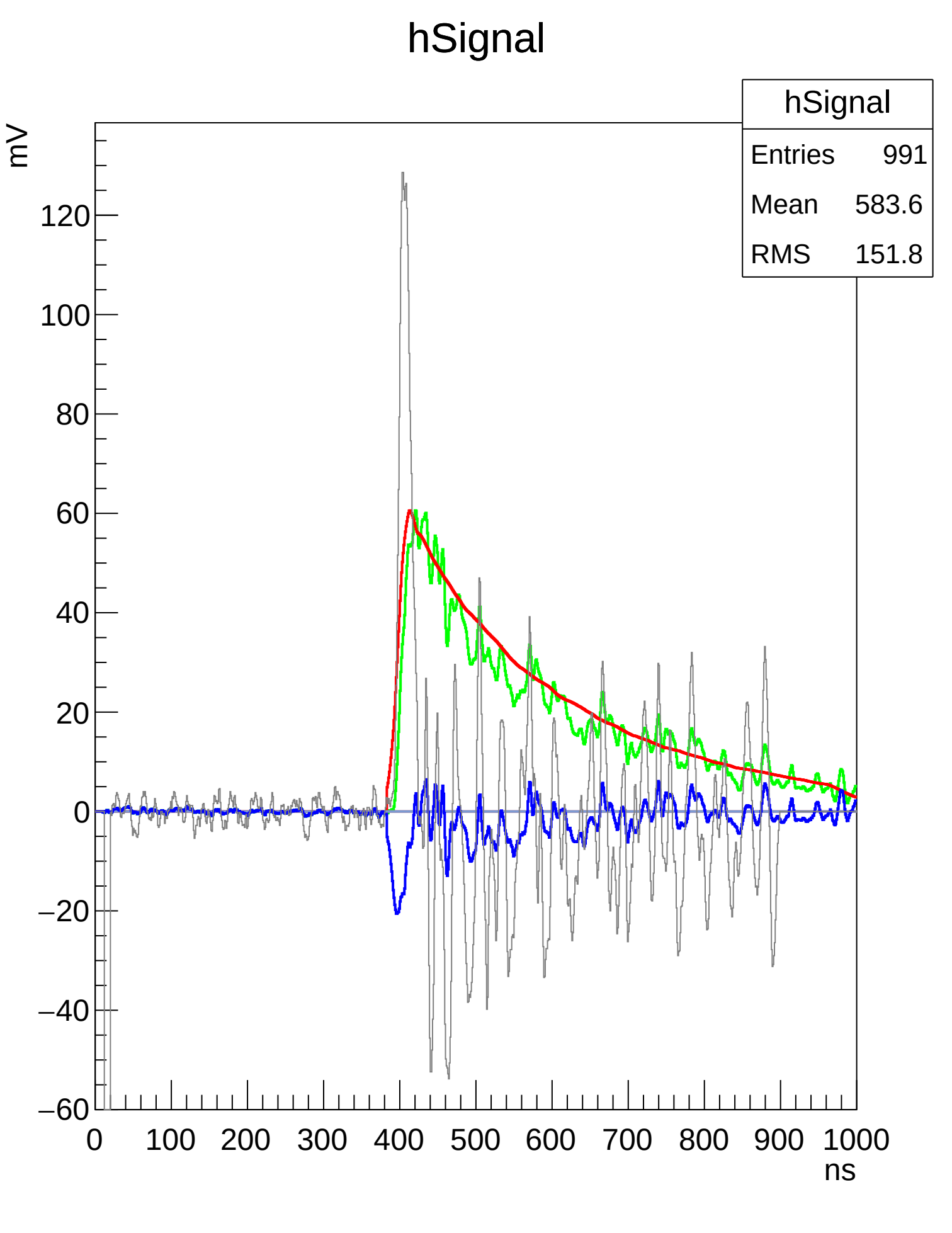
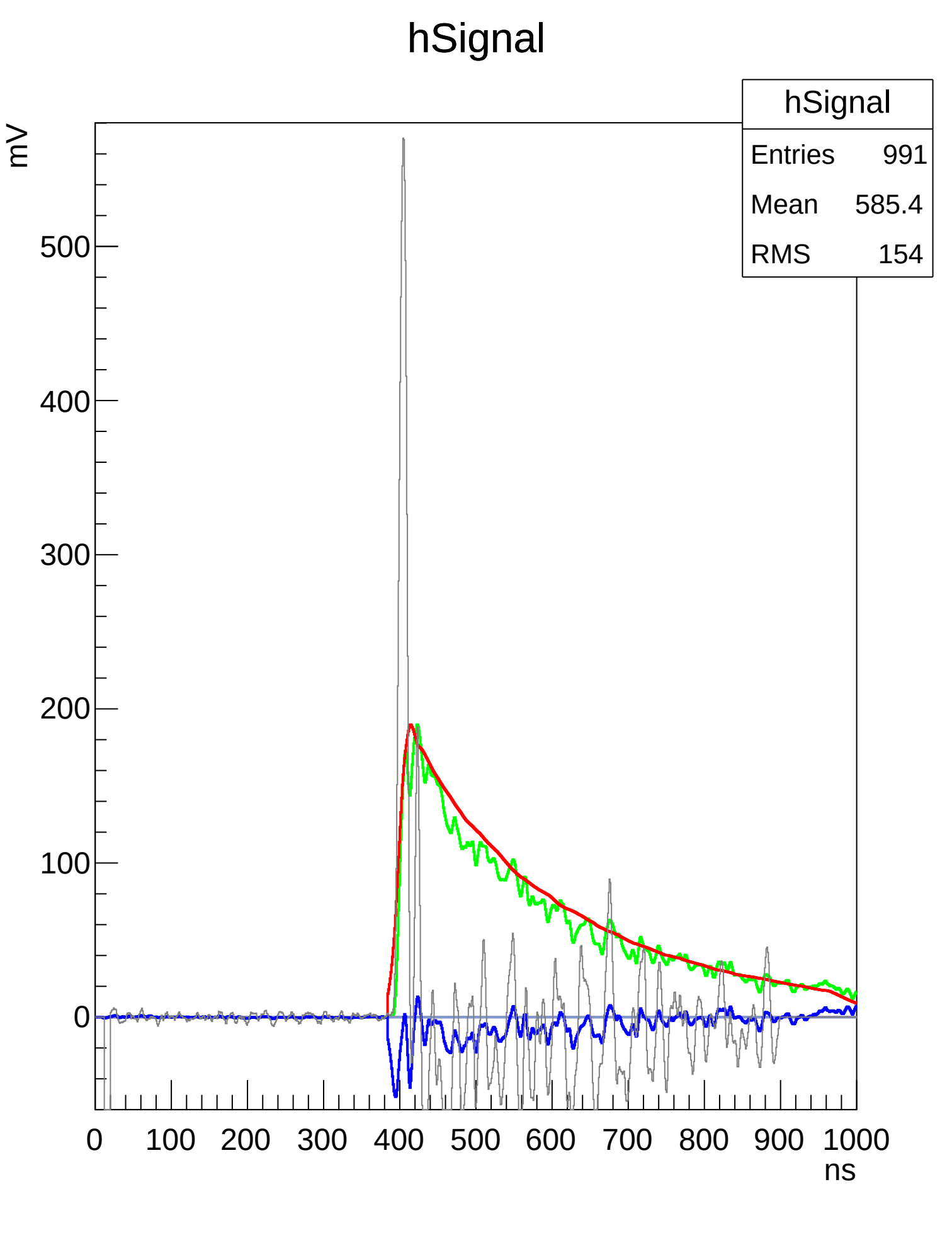
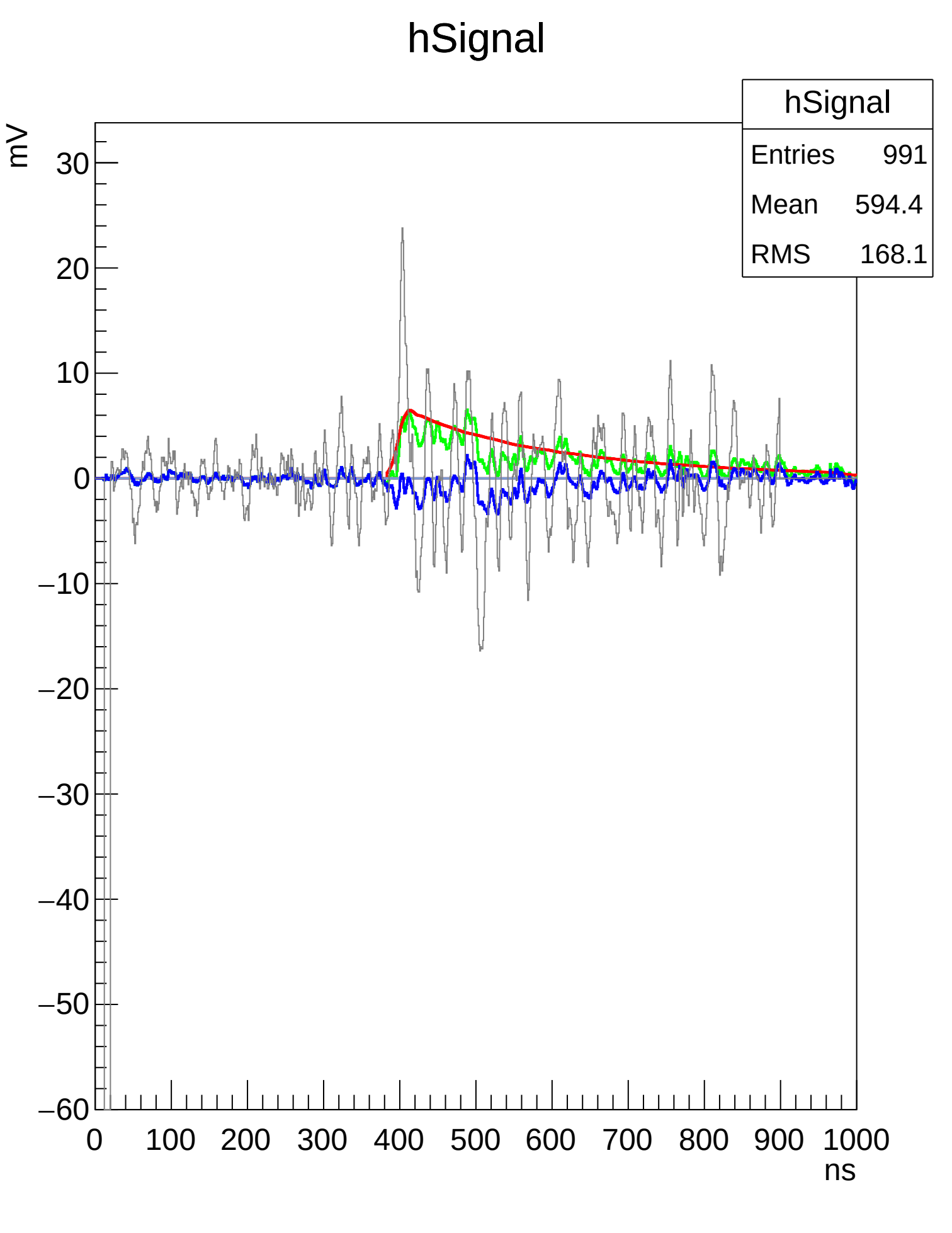
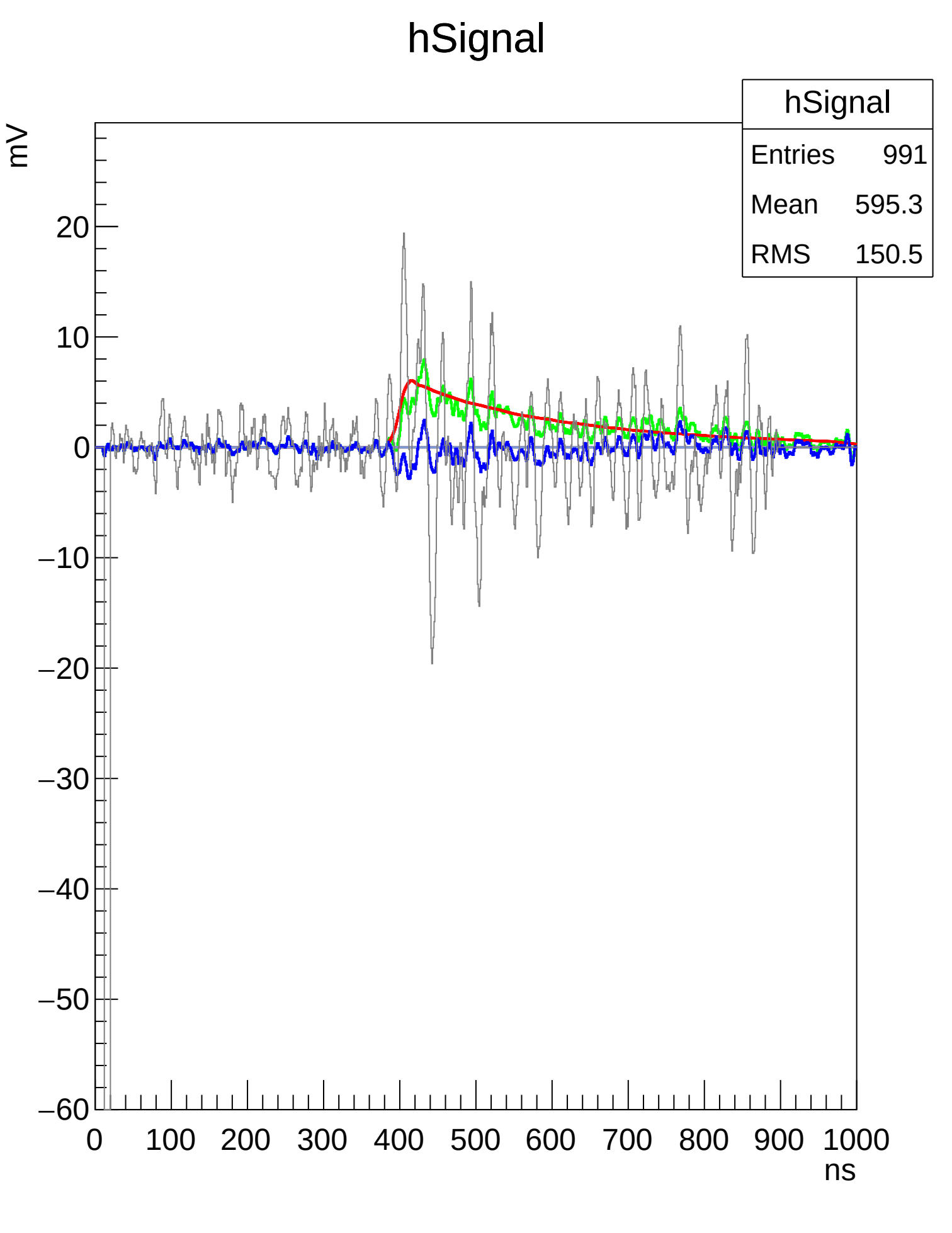
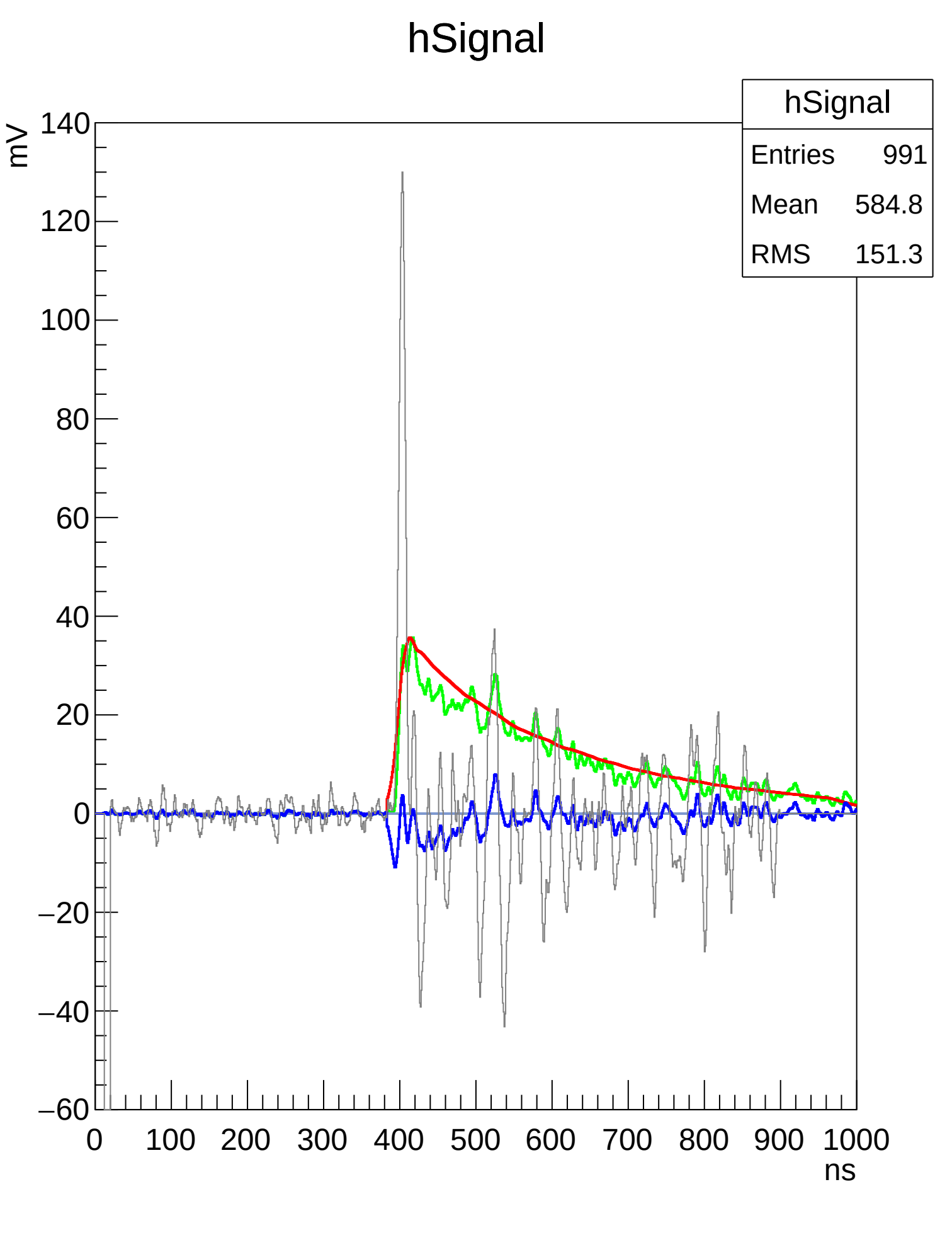
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

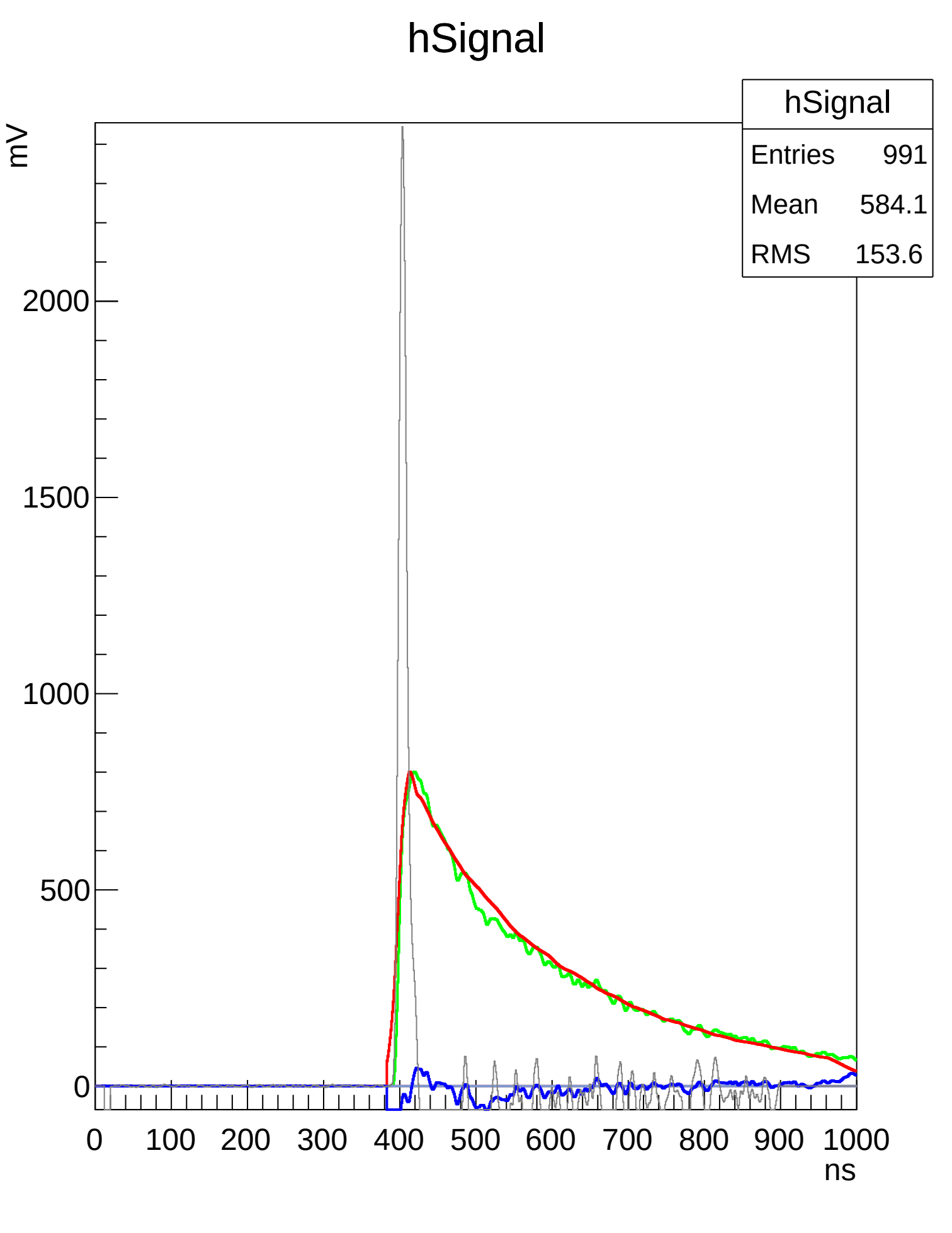

hSignal
hSignal
Entries 991
Mean 583.6
RMS 151.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

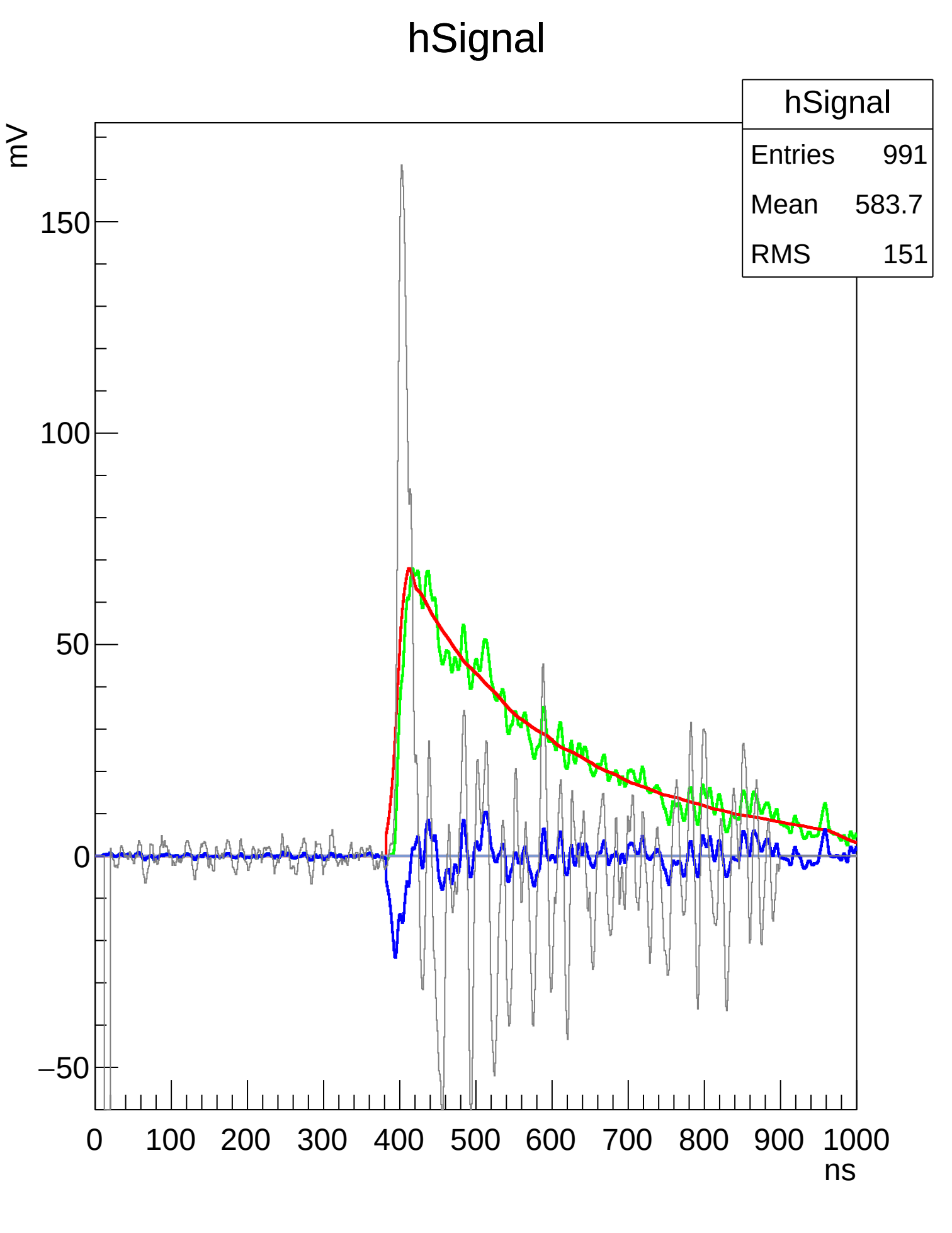

hSignal
hSignal
Entries 991
Mean 585.4
RMS 154
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.4
RMS 168.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.3
RMS 150.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.8
RMS 151.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 153.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.7
RMS 151
mV
150
100
50
0
−50
0
100
200
300
400
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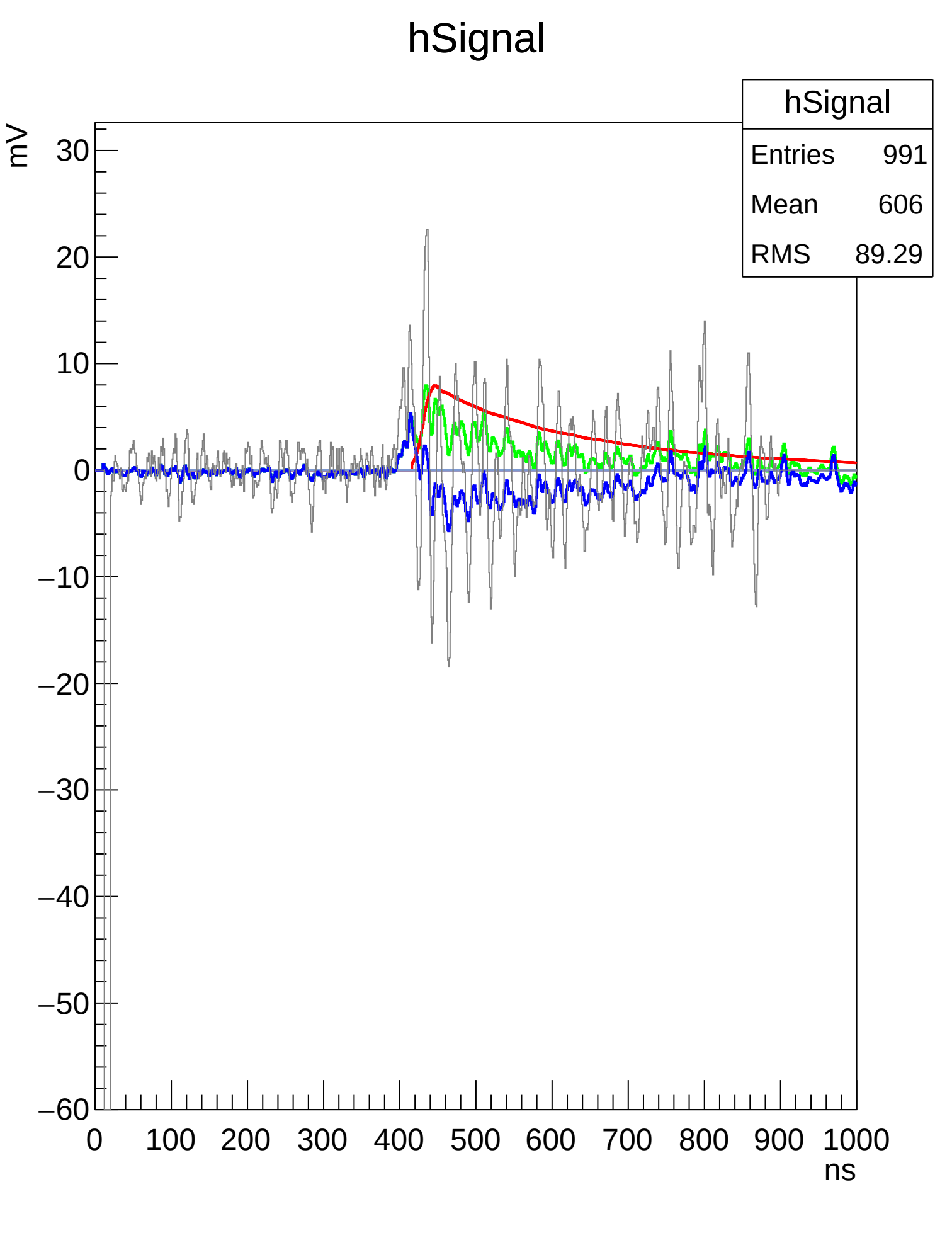
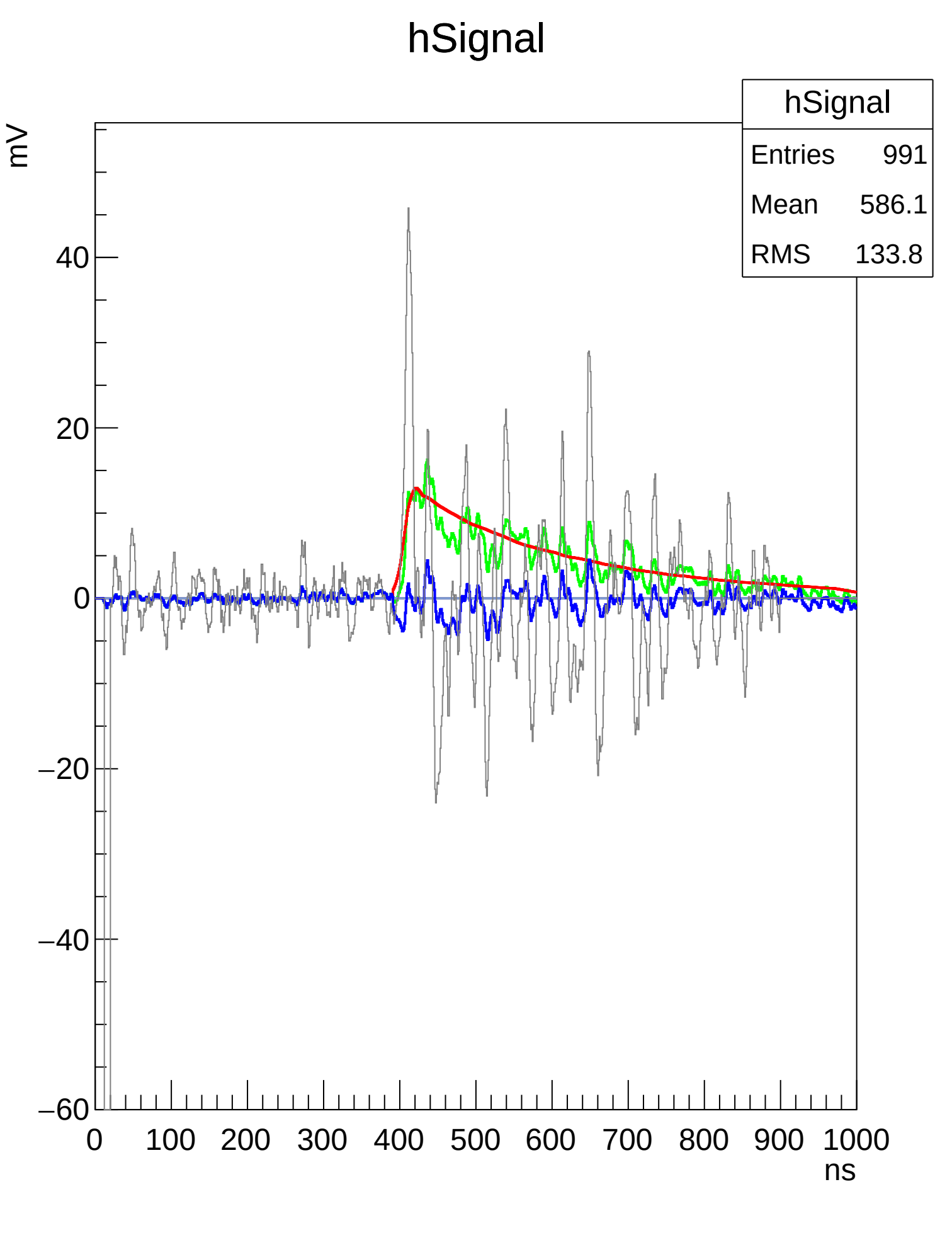
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606
RMS 89.29
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.1
RMS 133.8
mV
40
20
0
−20
−40
−60
0
100
200
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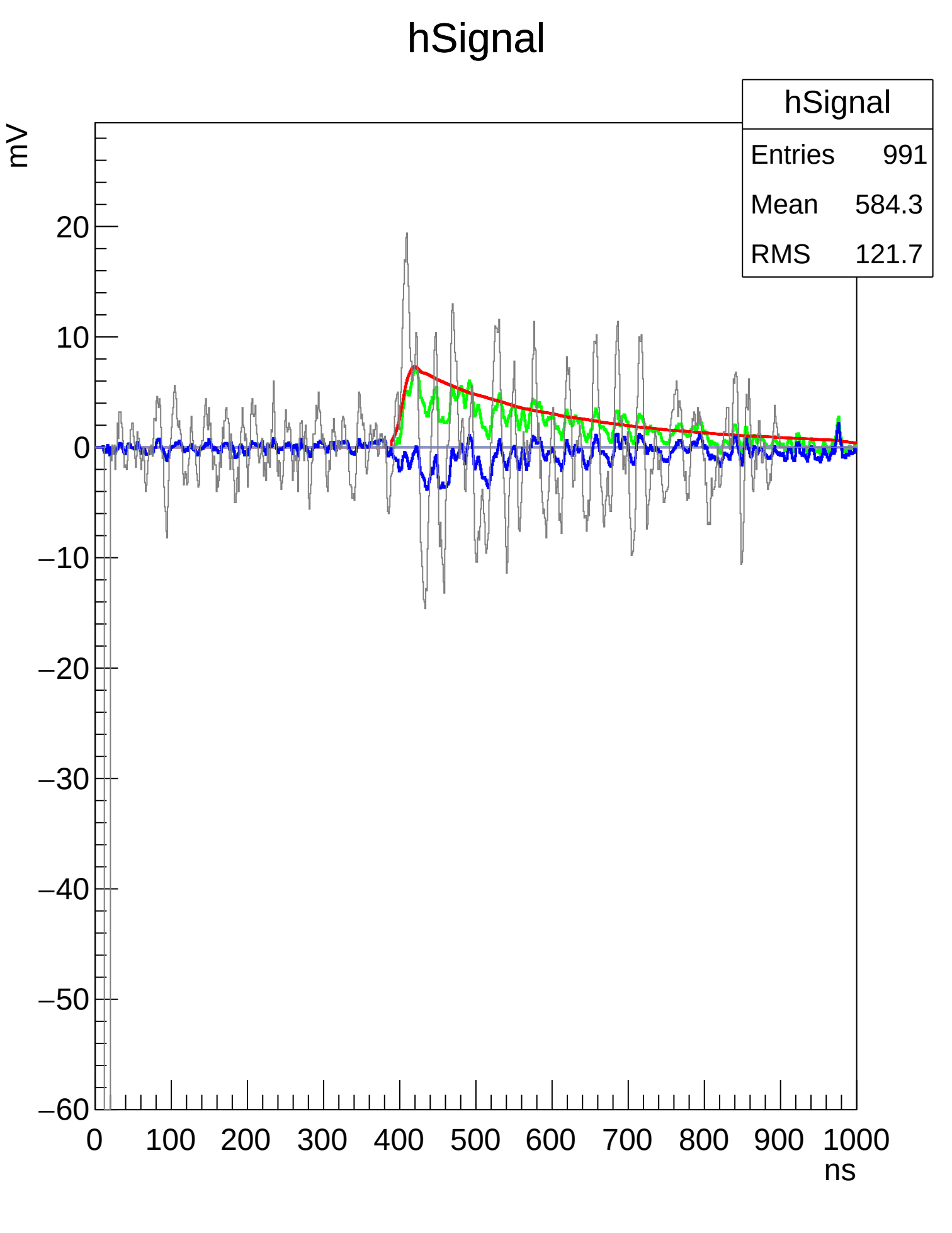
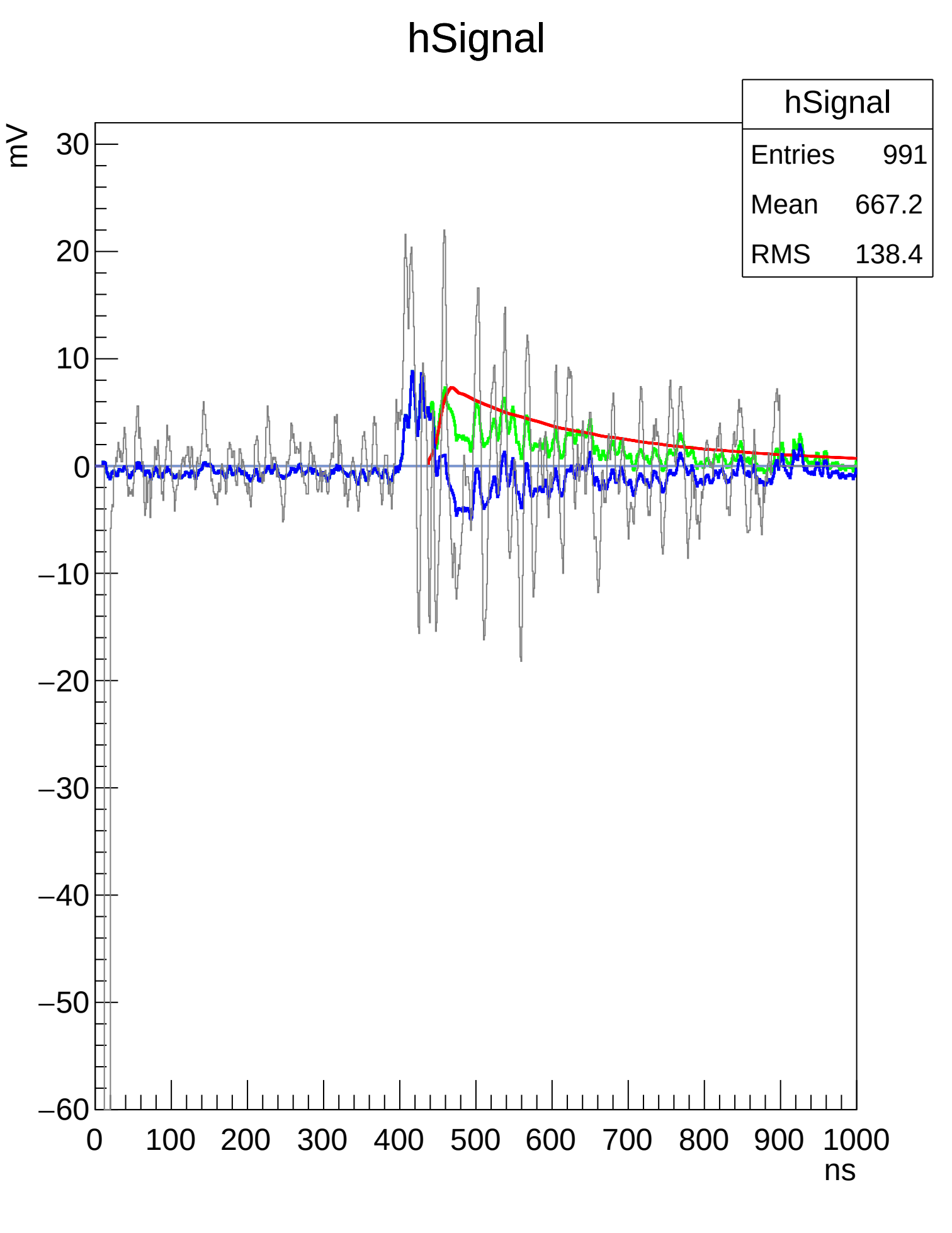
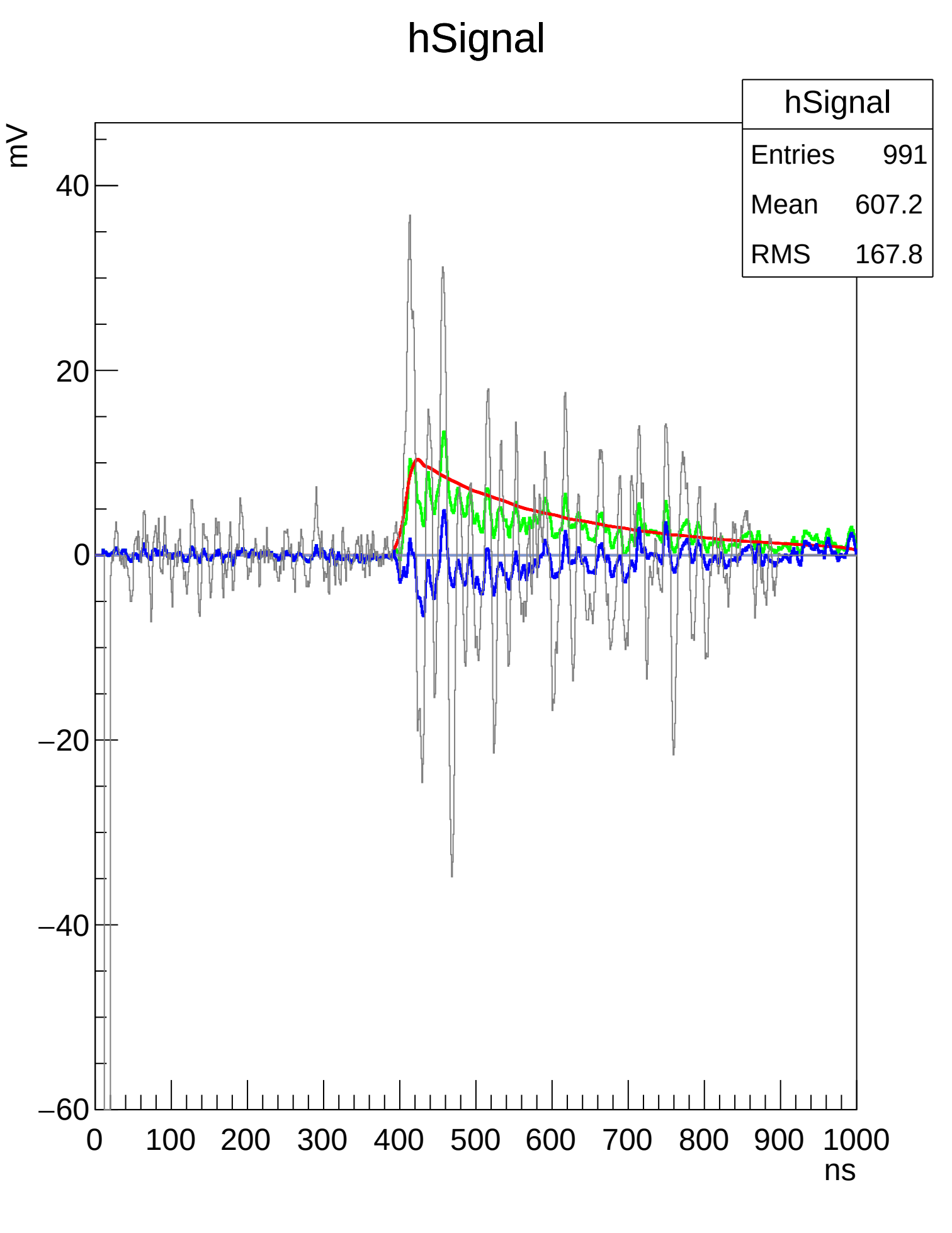
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.3
RMS 121.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 667.2
RMS 138.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.2
RMS 167.8
mV
40
20
0
−20
−40
−60
0
100
200
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400
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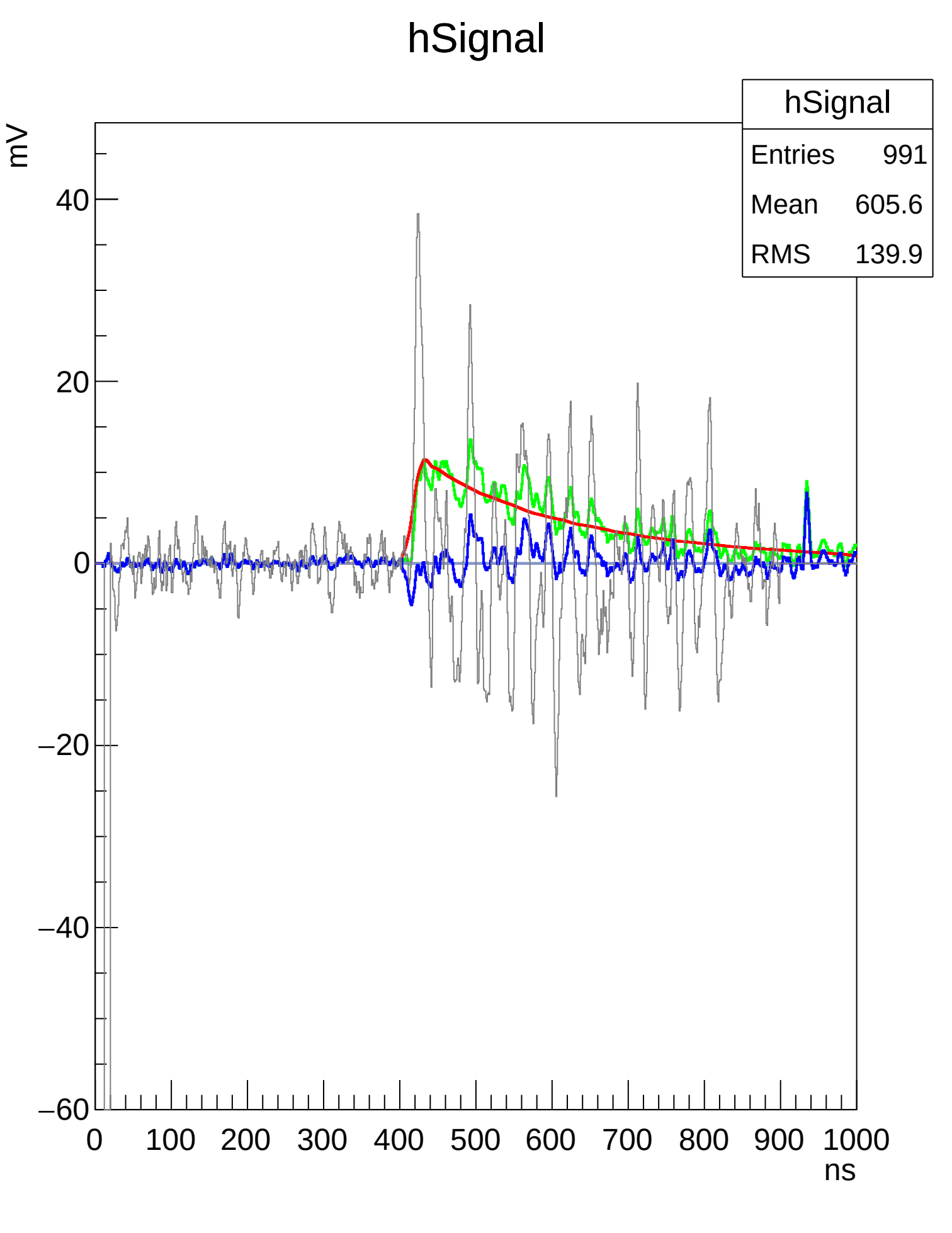
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.6
RMS 139.9
mV
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0
−20
−40
−60
0
100
200
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400
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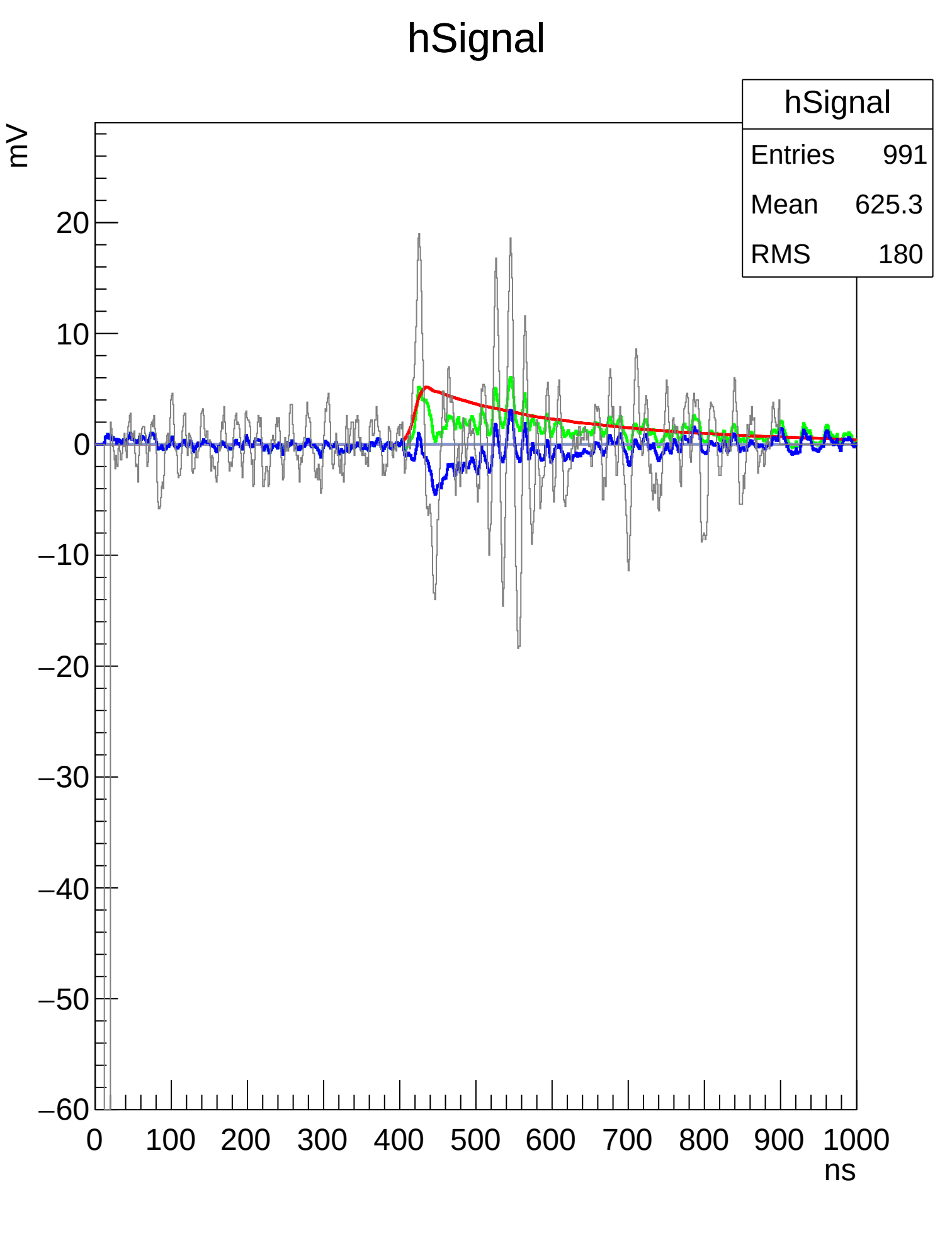
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.3
RMS 180
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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600
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800
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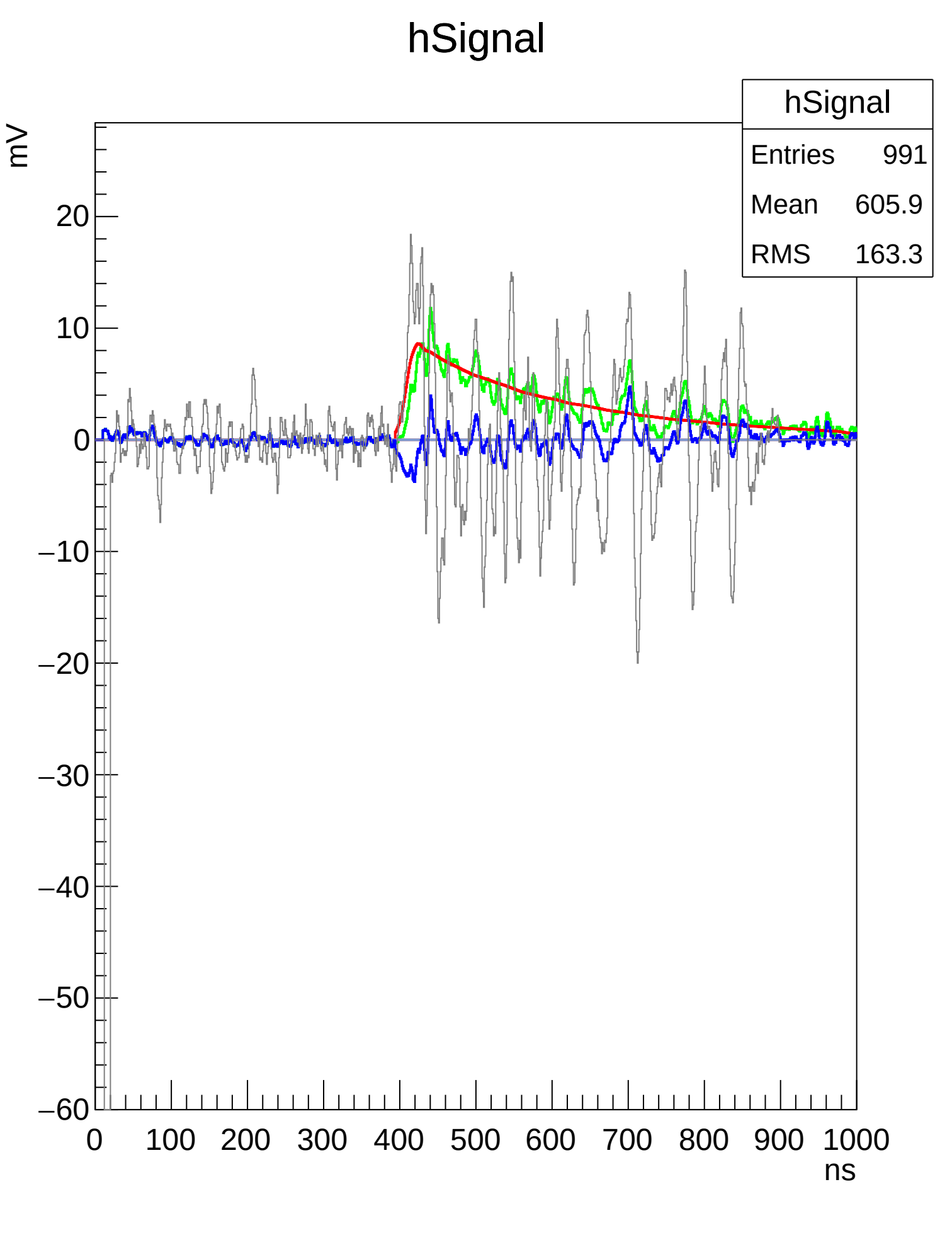
1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 163.3
mV
20
10
0
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0
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400
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1000
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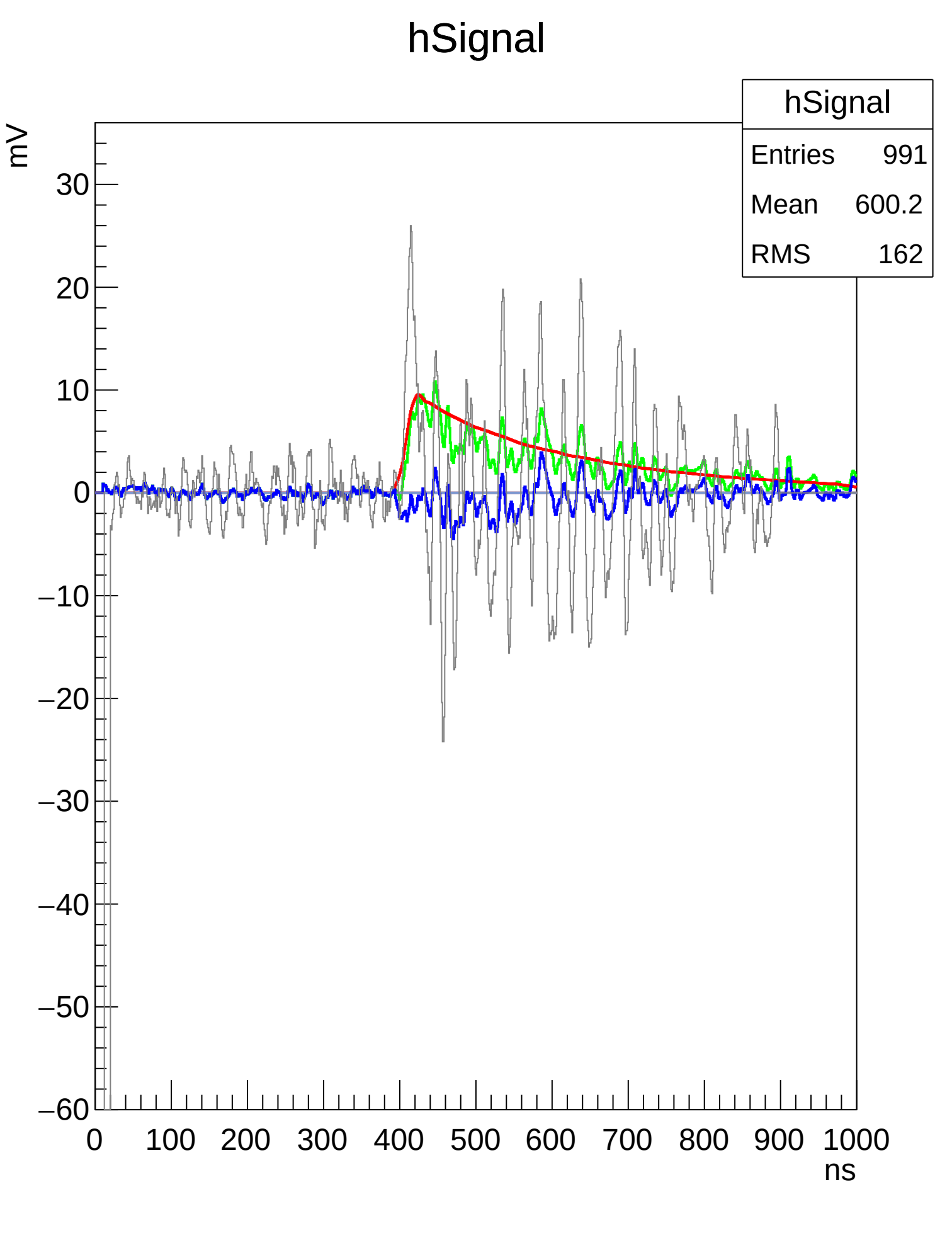
hSignal
hSignal
Entries 991
Mean 600.2
RMS 162
mV
30
20
10
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−40
−50
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0
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200
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400
500
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800
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1000
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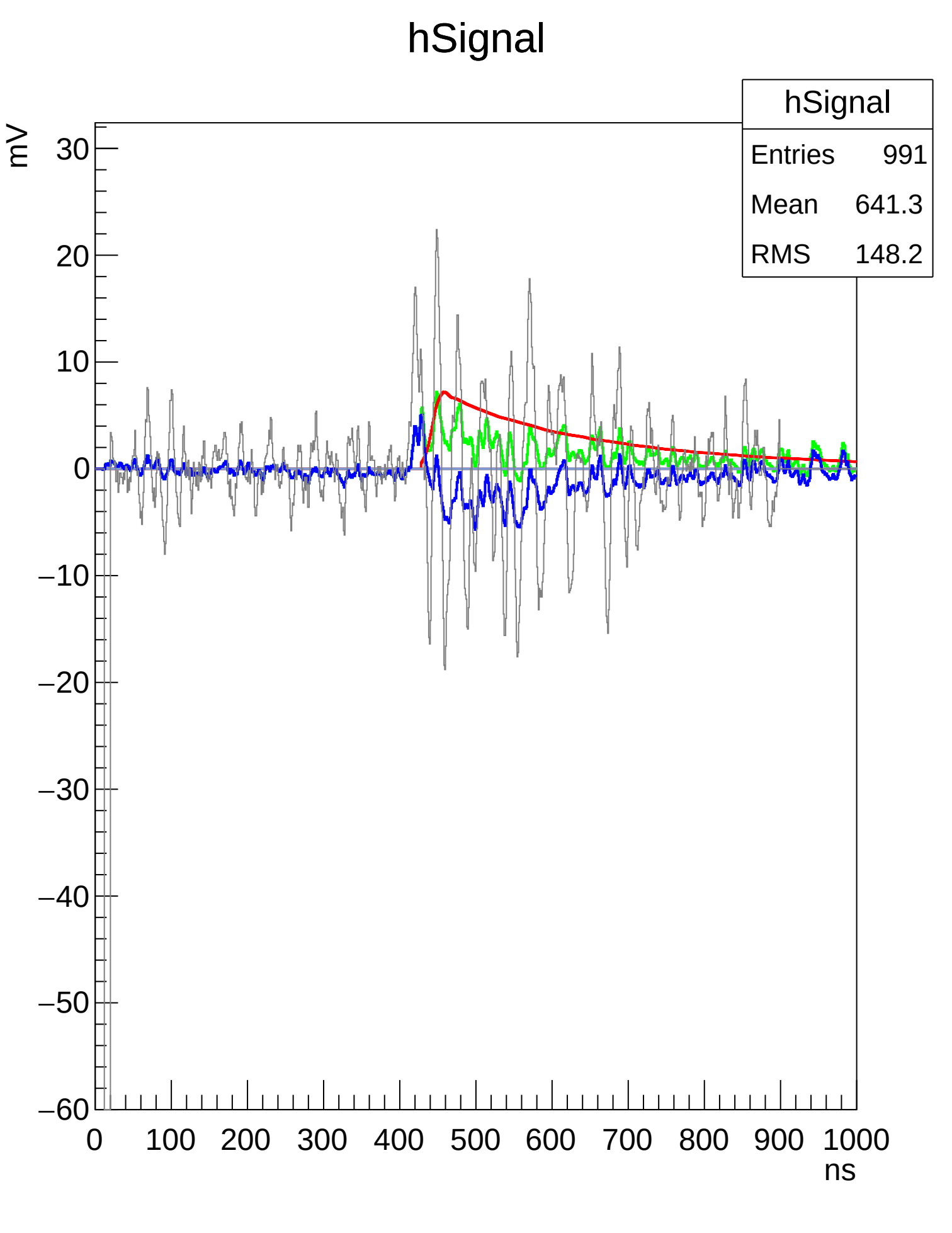
hSignal
hSignal
Entries 991
Mean 641.3
RMS 148.2
mV
30
20
10
0
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−40
−50
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0
100
200
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400
500
600
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800
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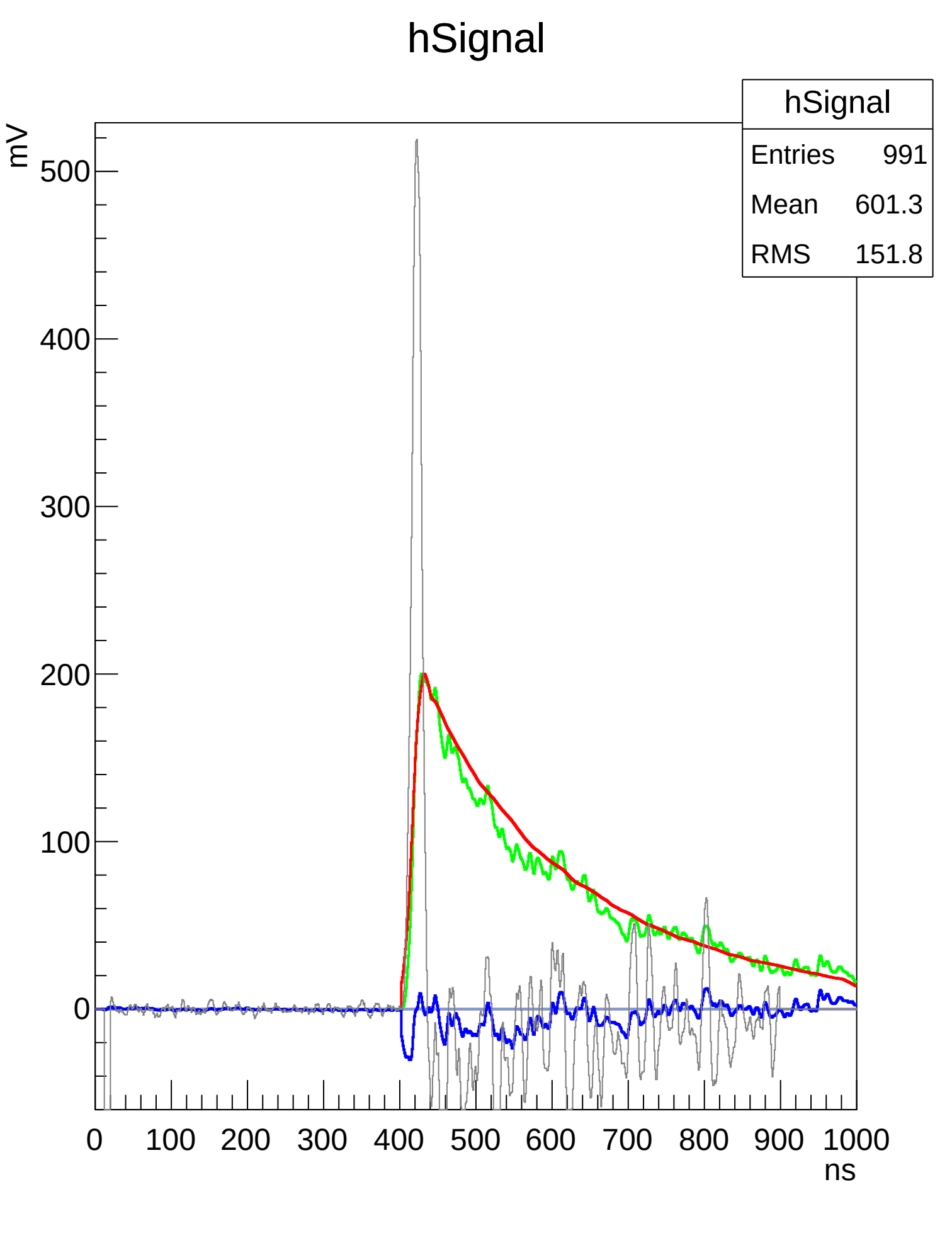
1000
ns


hSignal
hSignal
Entries 991
Mean 601.3
RMS 151.8
mV
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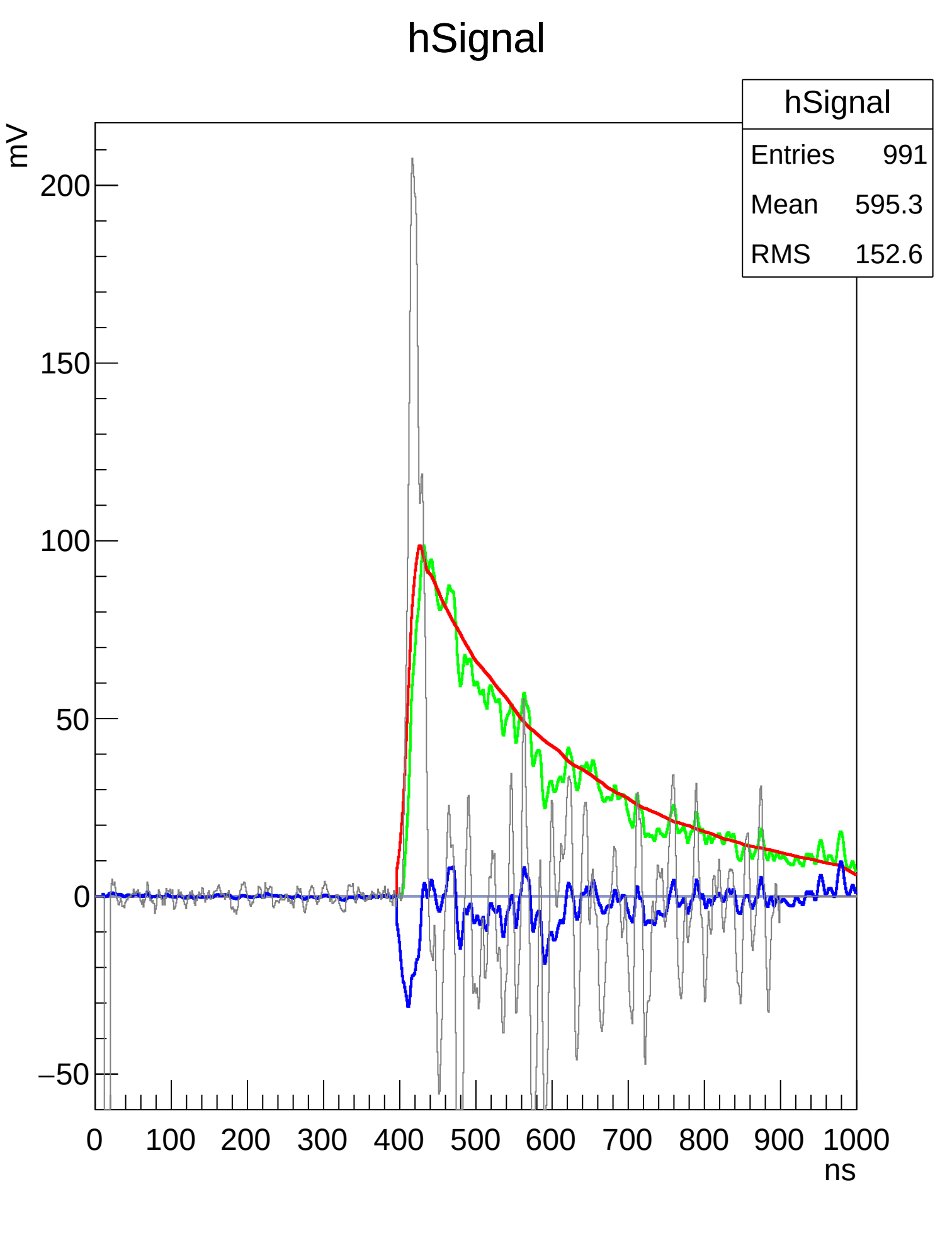
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.3
RMS 152.6
mV
200
150
100
50
0
−50
0
100
200
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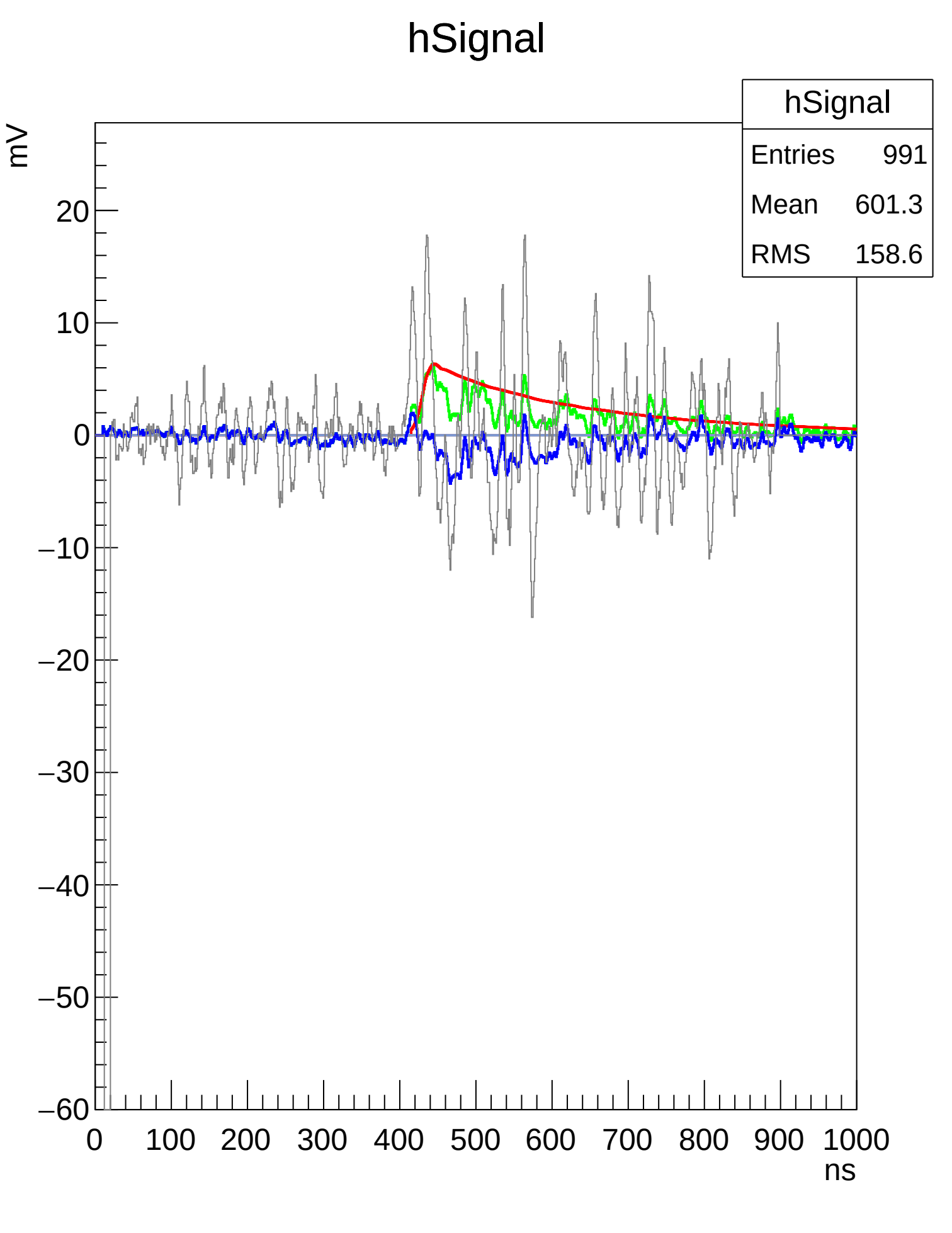
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.3
RMS 158.6
mV
20
10
0
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0
100
200
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400
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800
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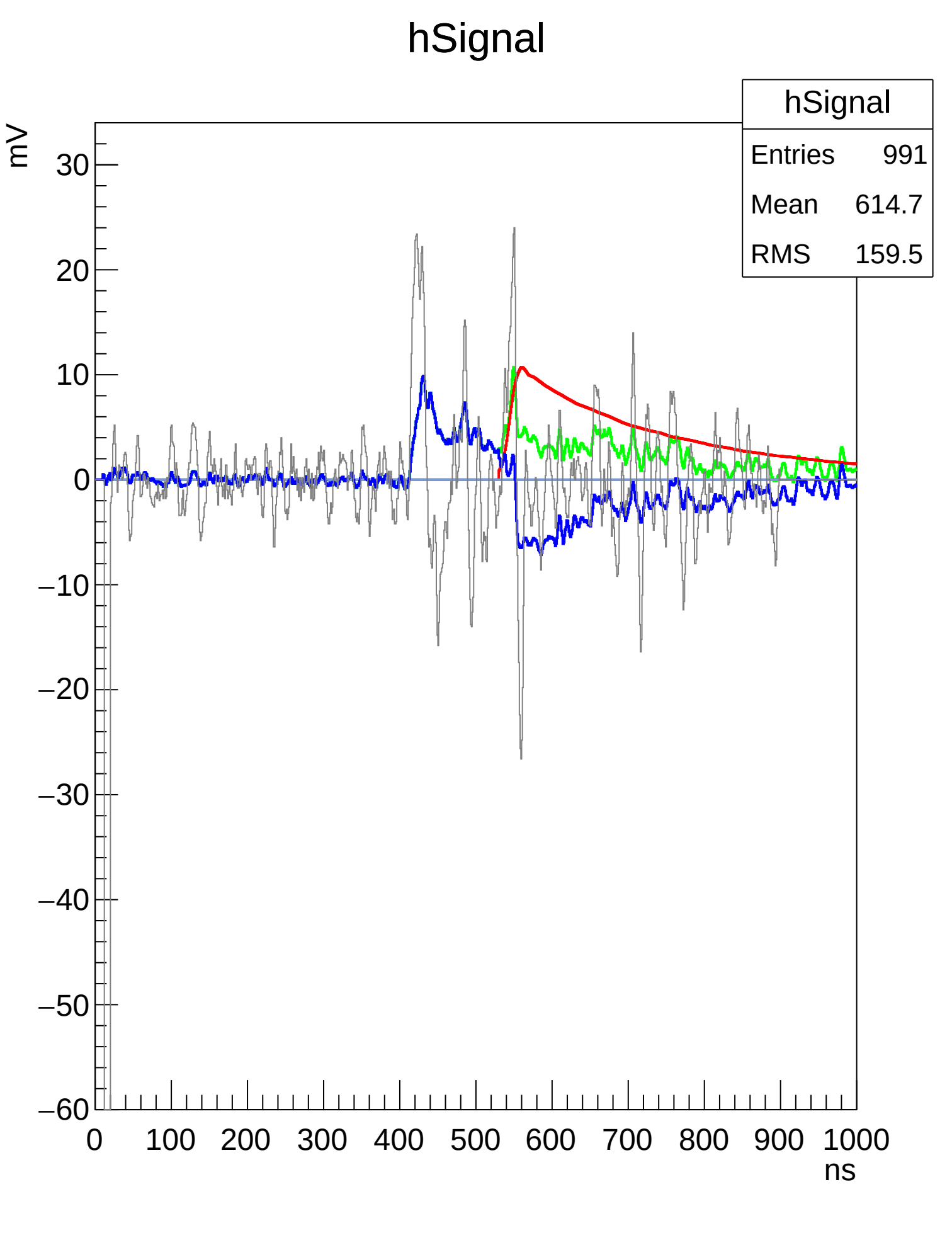
1000
ns


hSignal
hSignal
Entries 991
Mean 614.7
RMS 159.5
mV
30
20
10
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0
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200
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400
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800
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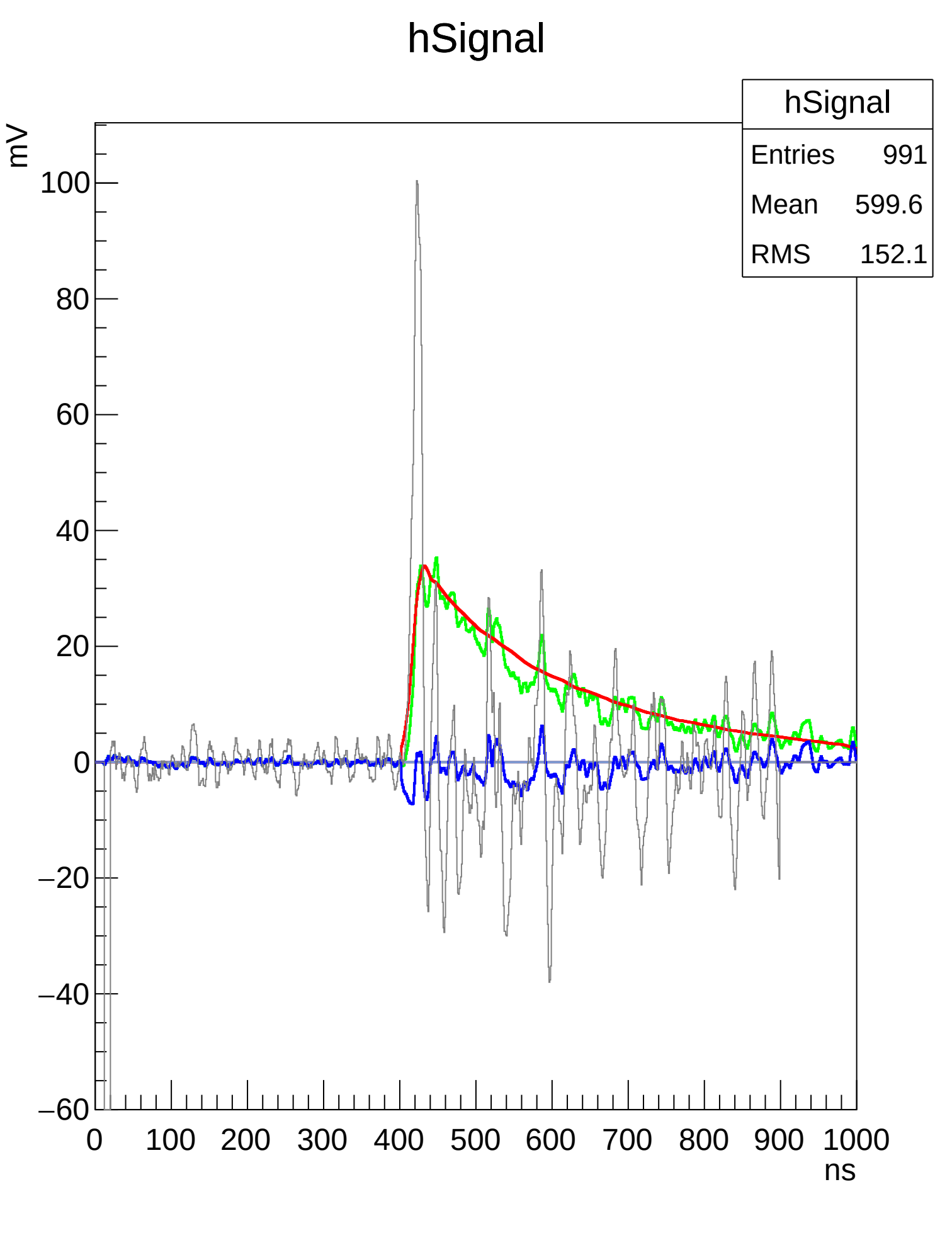
1000
ns


hSignal
hSignal
Entries 991
Mean 599.6
RMS 152.1
mV
100
80
60
40
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0
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400
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800
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1000
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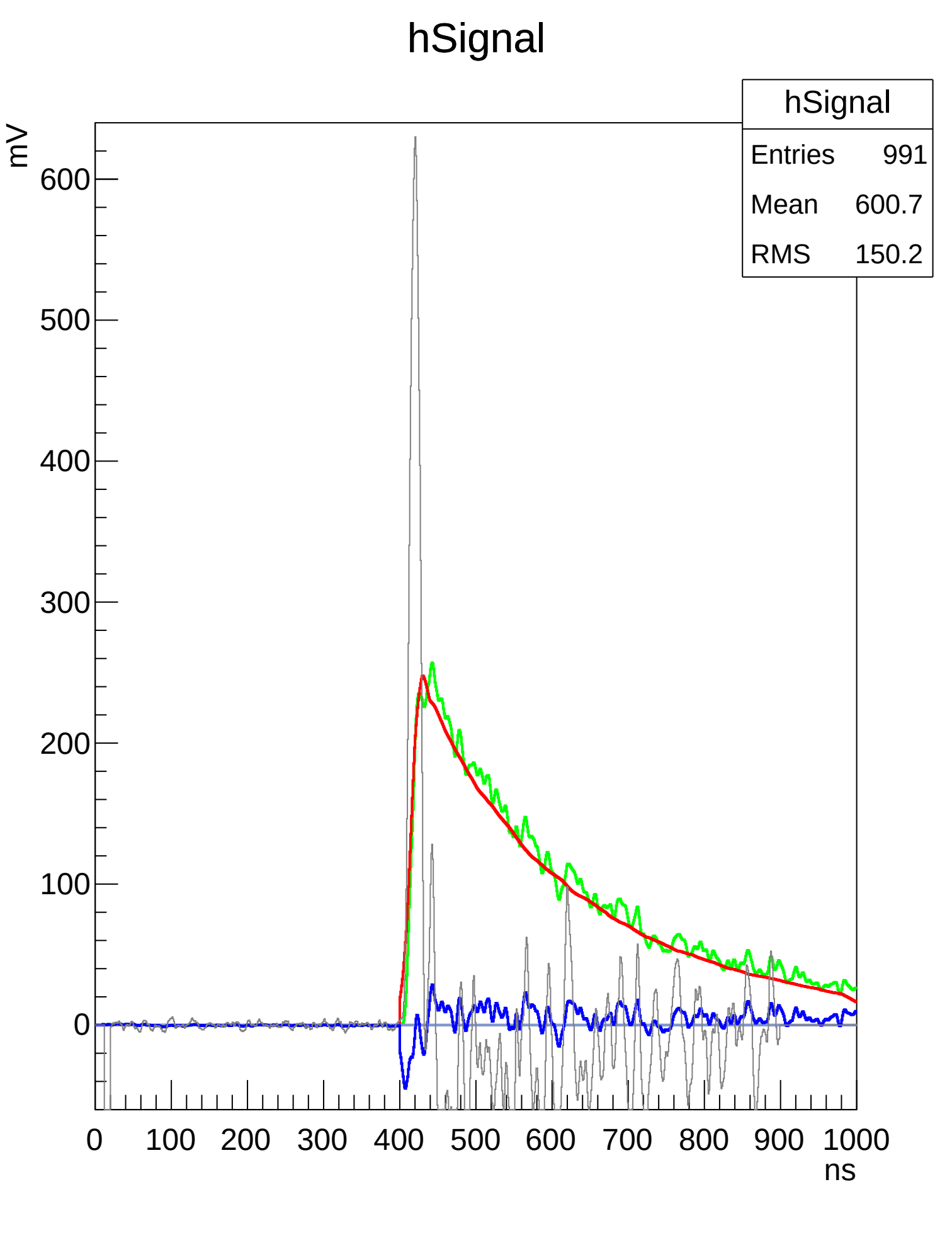
hSignal
hSignal
Entries 991
Mean 600.7
RMS 150.2
mV
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300
200
100
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400
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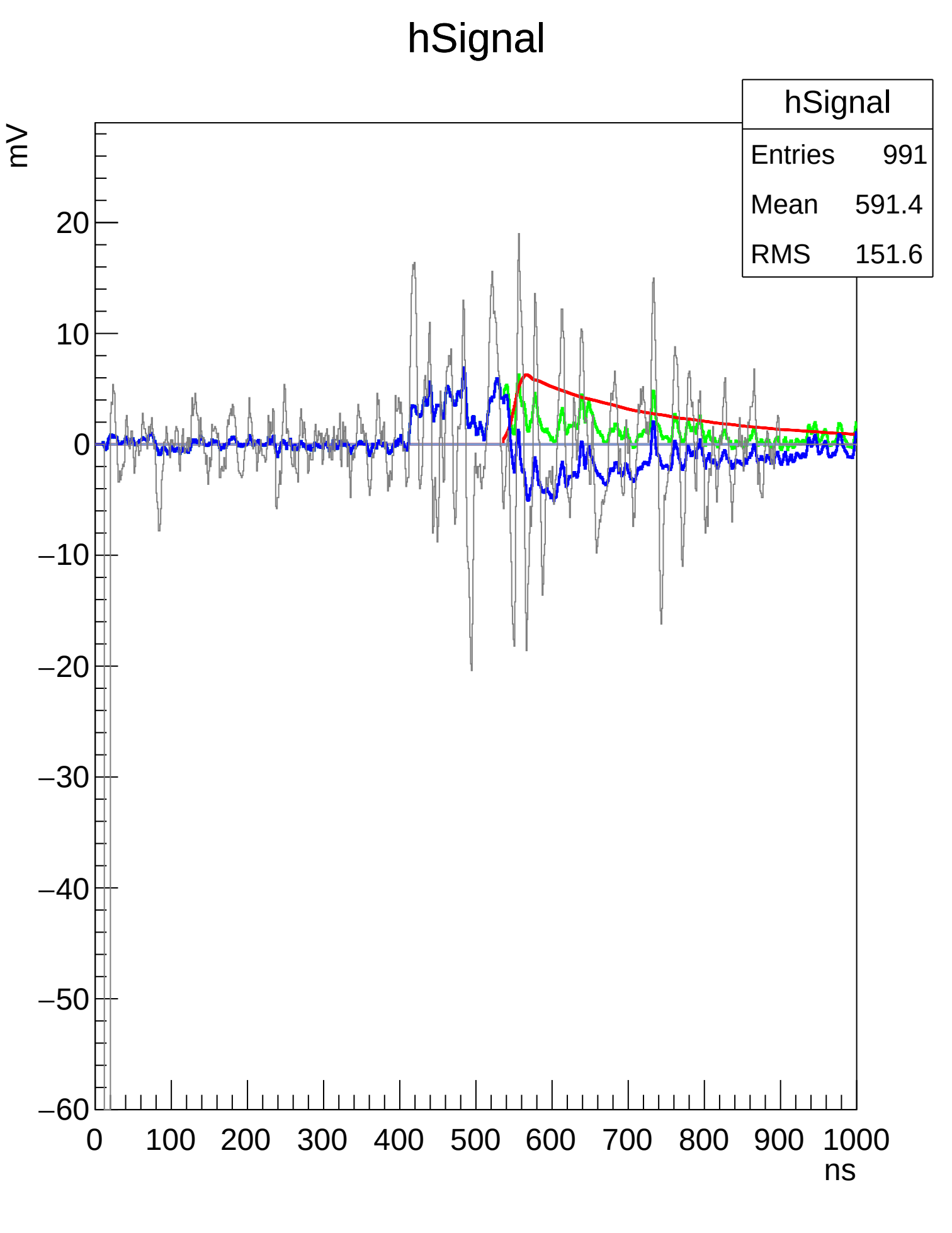
1000
ns


hSignal
hSignal
Entries 991
Mean 591.4
RMS 151.6
mV
20
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−50
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0
100
200
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400
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800
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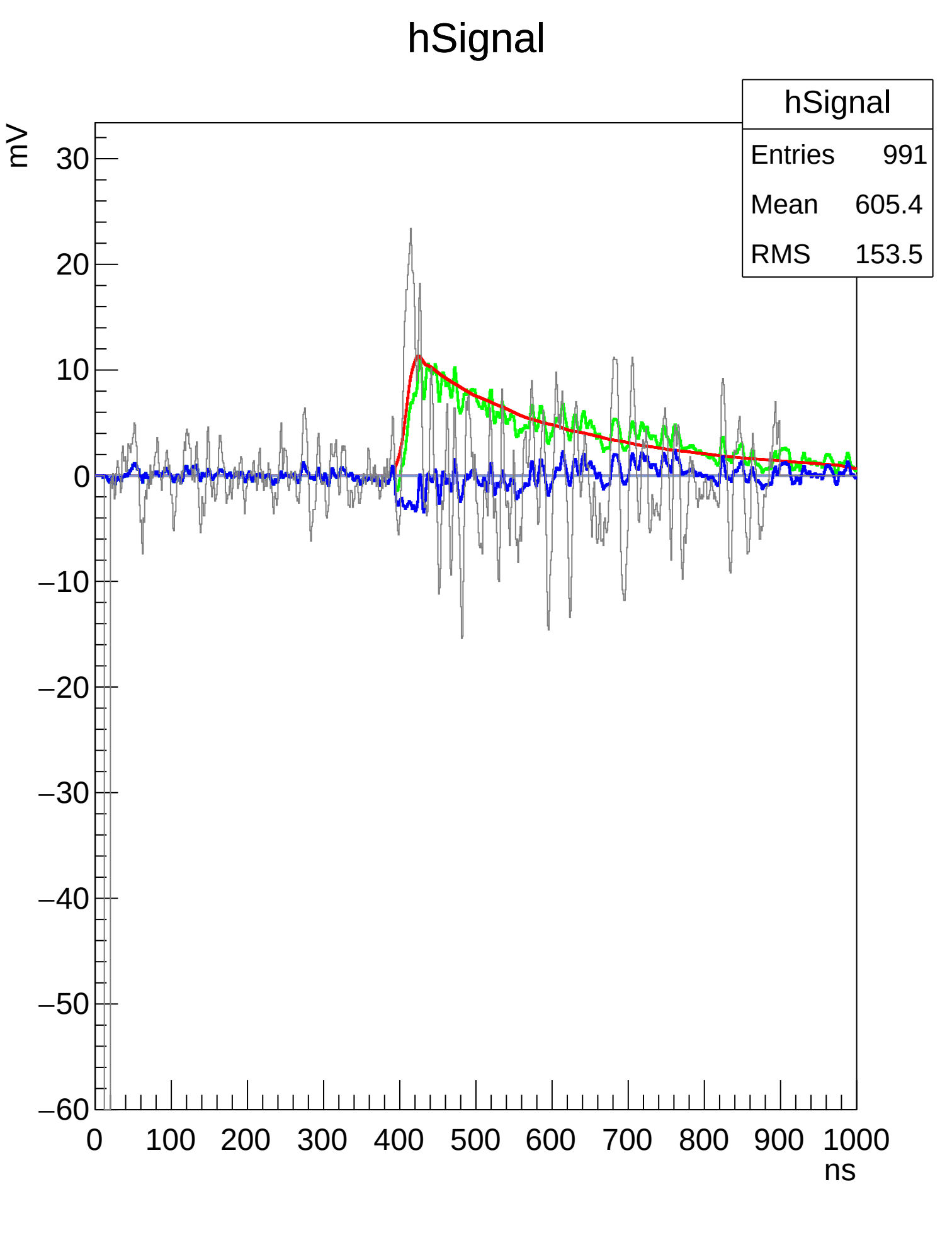
1000
ns


hSignal
hSignal
Entries 991
Mean 605.4
RMS 153.5
mV
30
20
10
0
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−20
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−40
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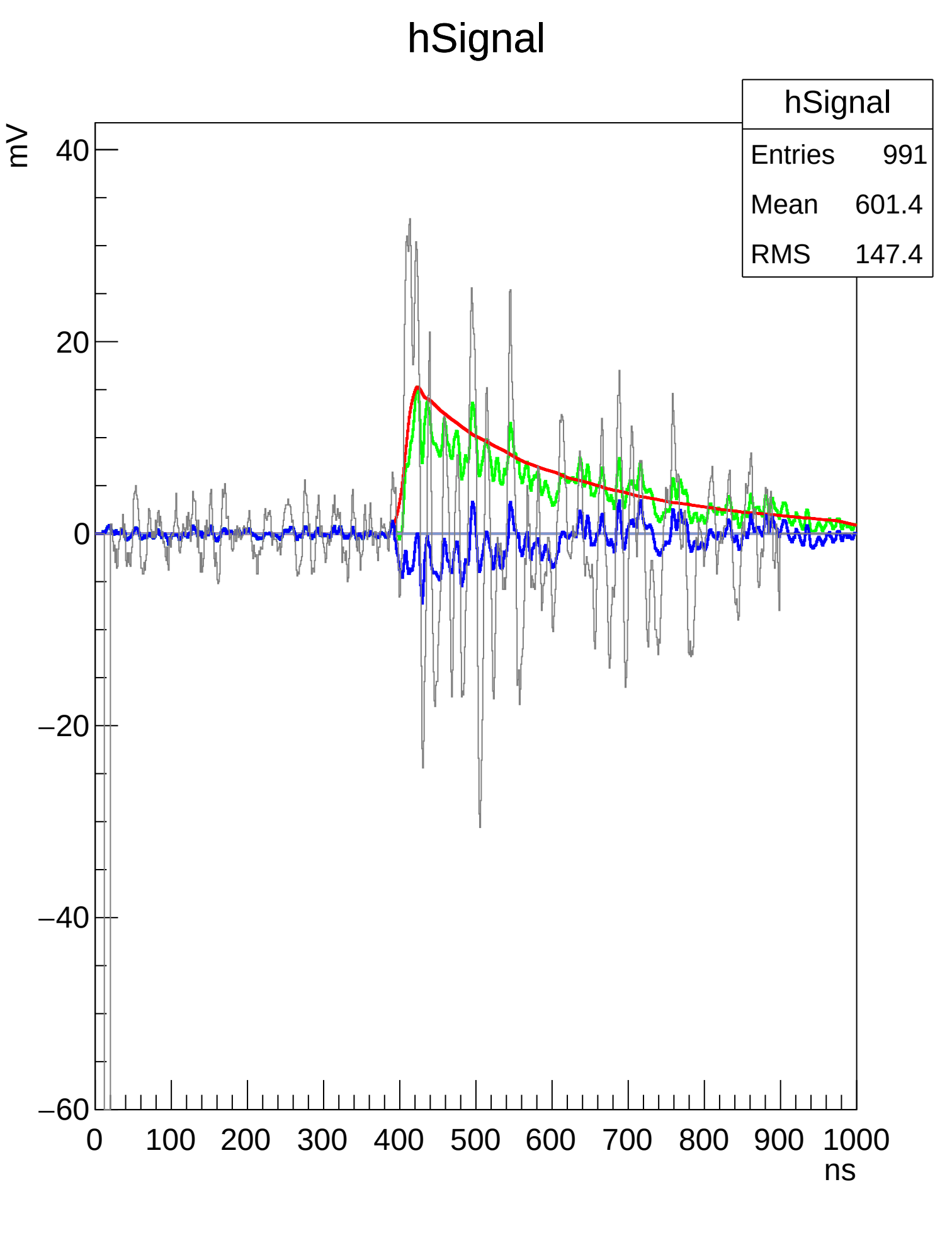
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 147.4
mV
40
20
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−20
−40
−60
0
100
200
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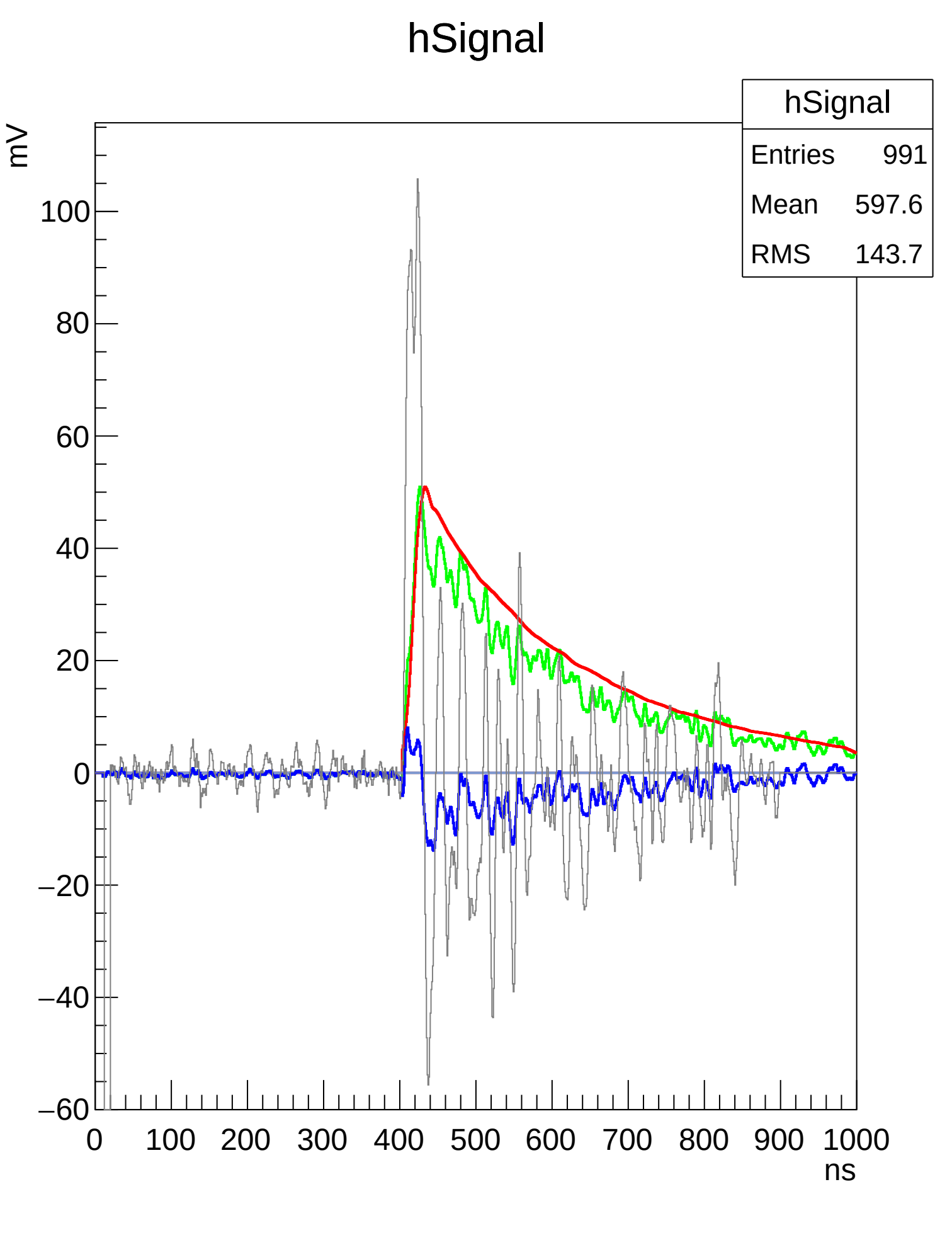
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.6
RMS 143.7
mV
100
80
60
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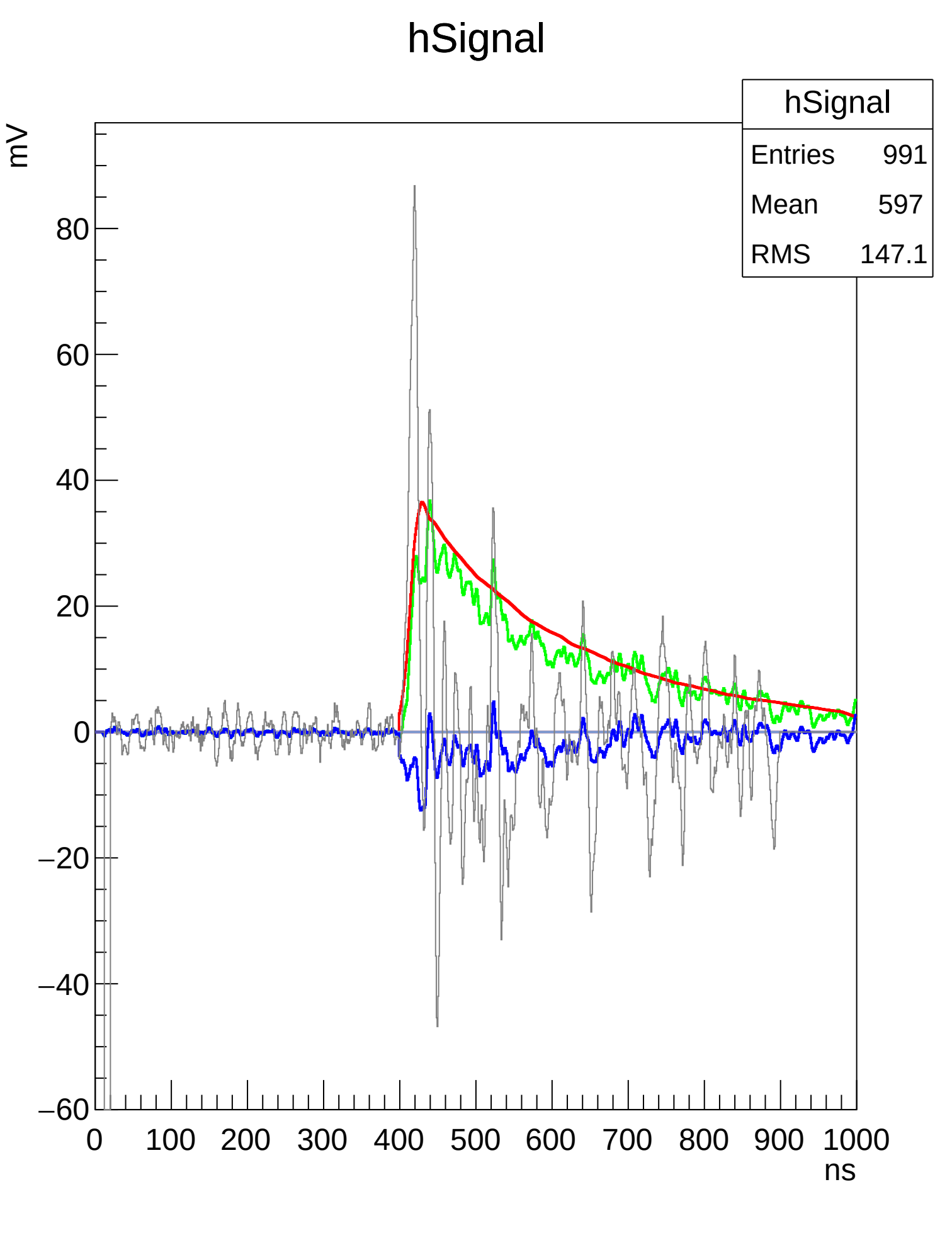
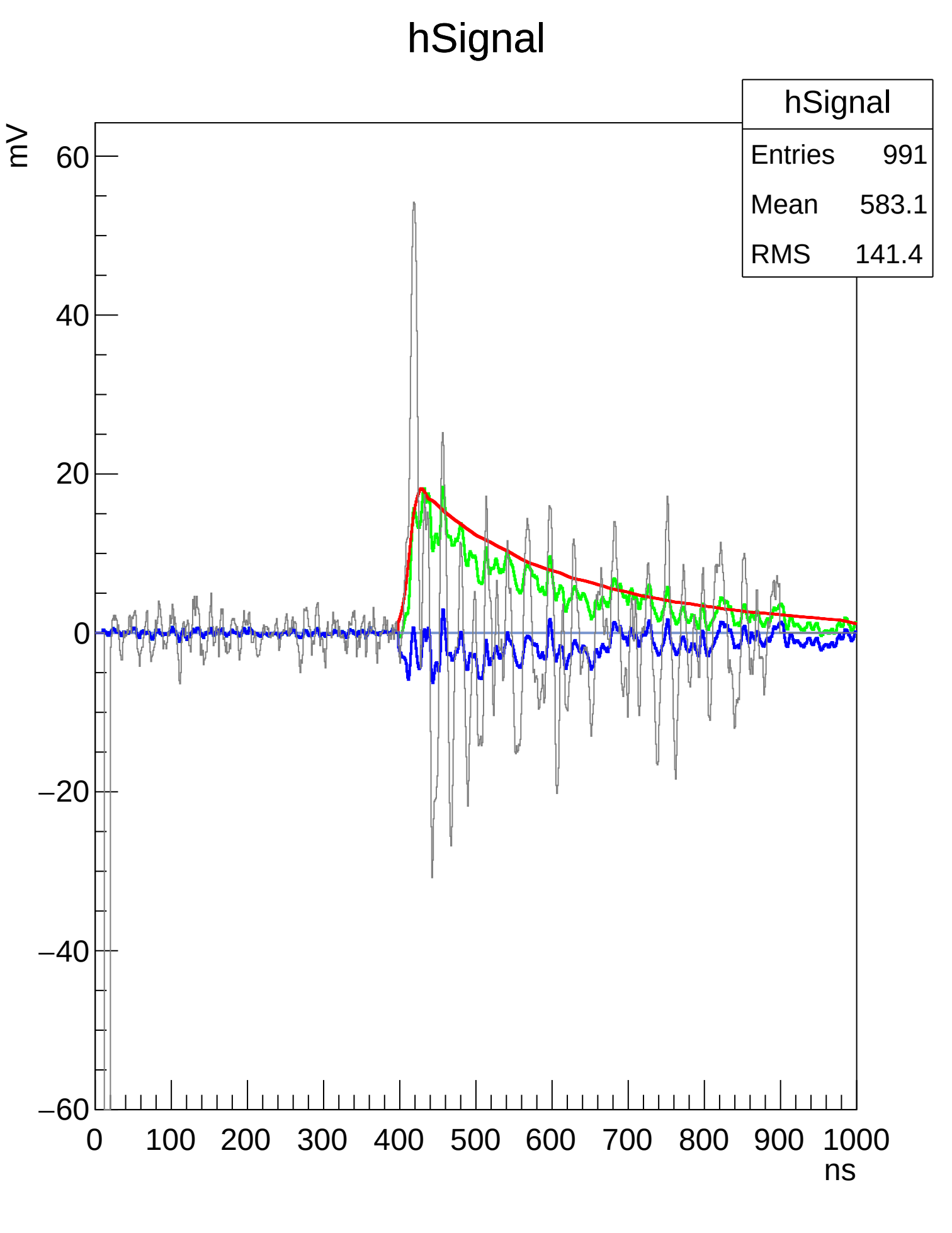
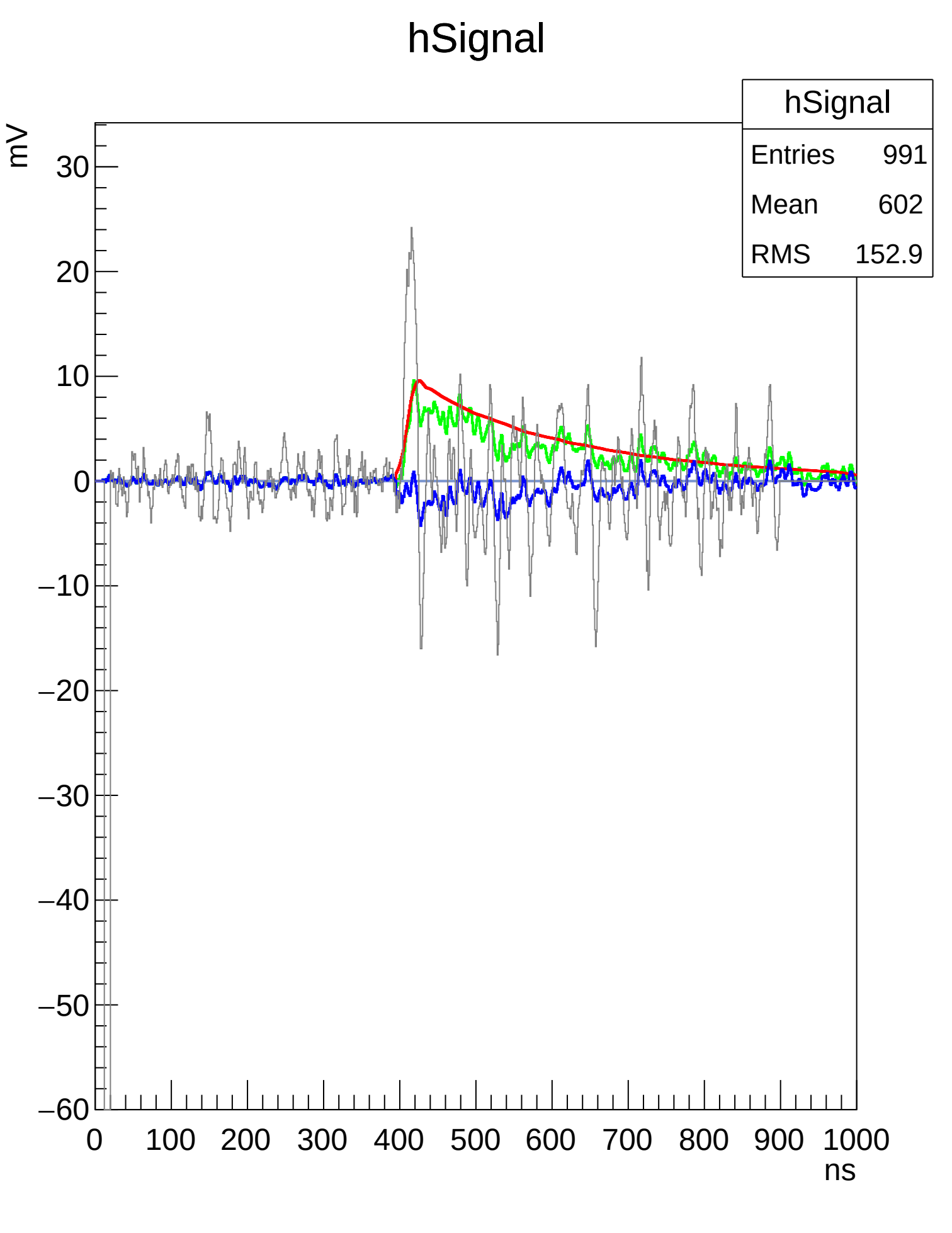
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597
RMS 147.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.1
RMS 141.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602
RMS 152.9
mV
30
20
10
0
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−40
−50
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0
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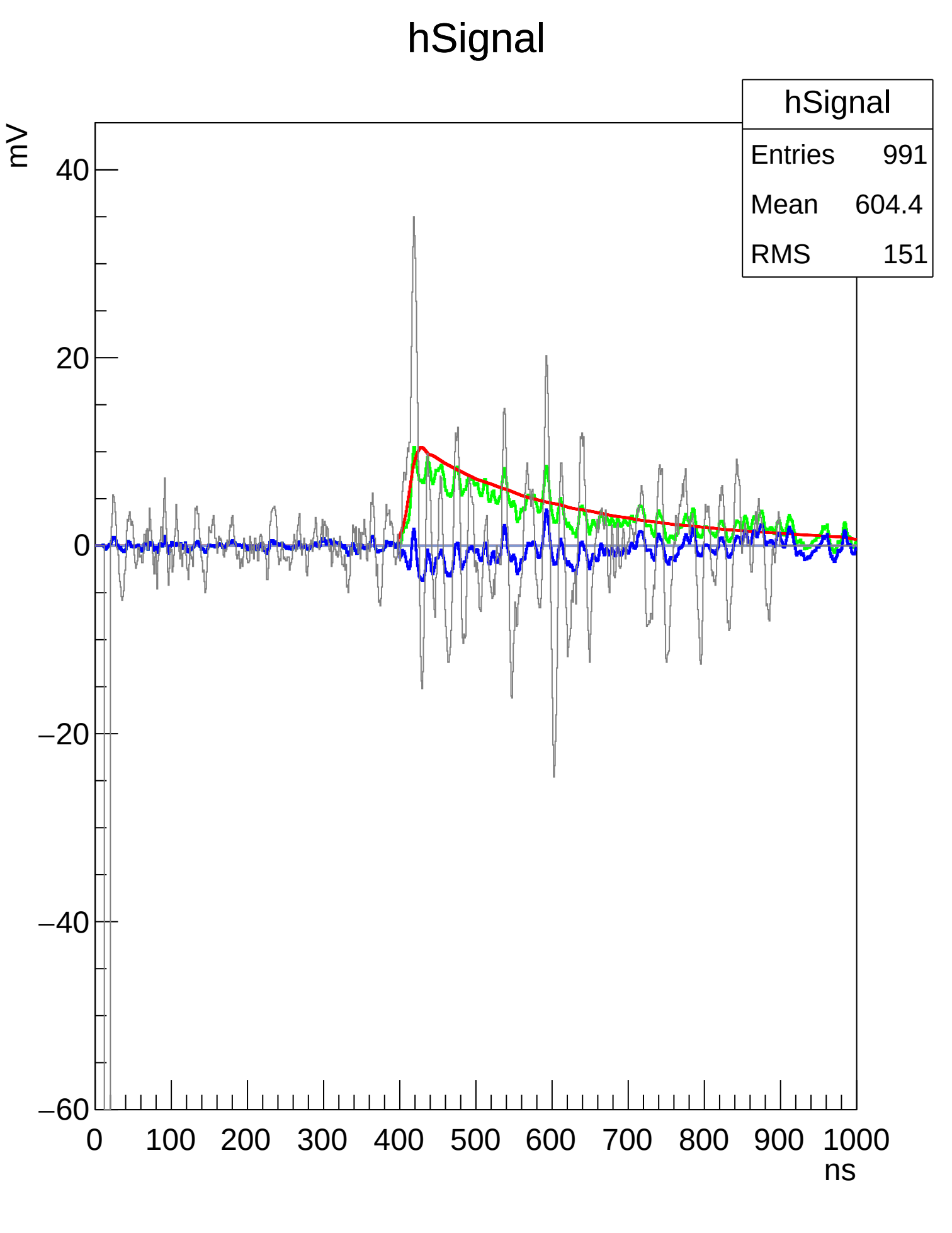
hSignal
hSignal
Entries 991
Mean 604.4
RMS 151
mV
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−20
−40
−60
0
100
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700
800
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1000
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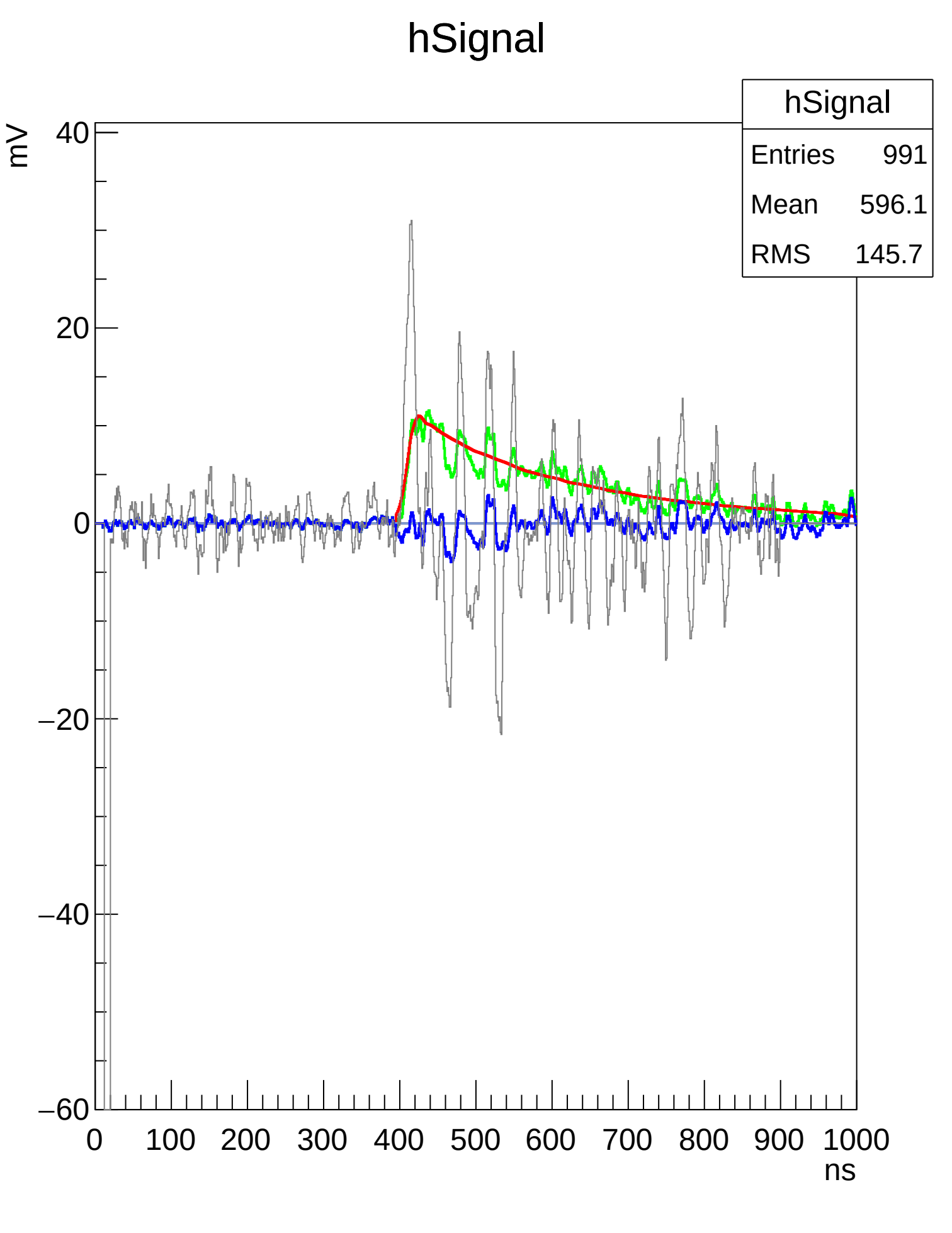
hSignal
hSignal
Entries 991
Mean 596.1
RMS 145.7
mV
40
20
0
−20
−40
−60
0
100
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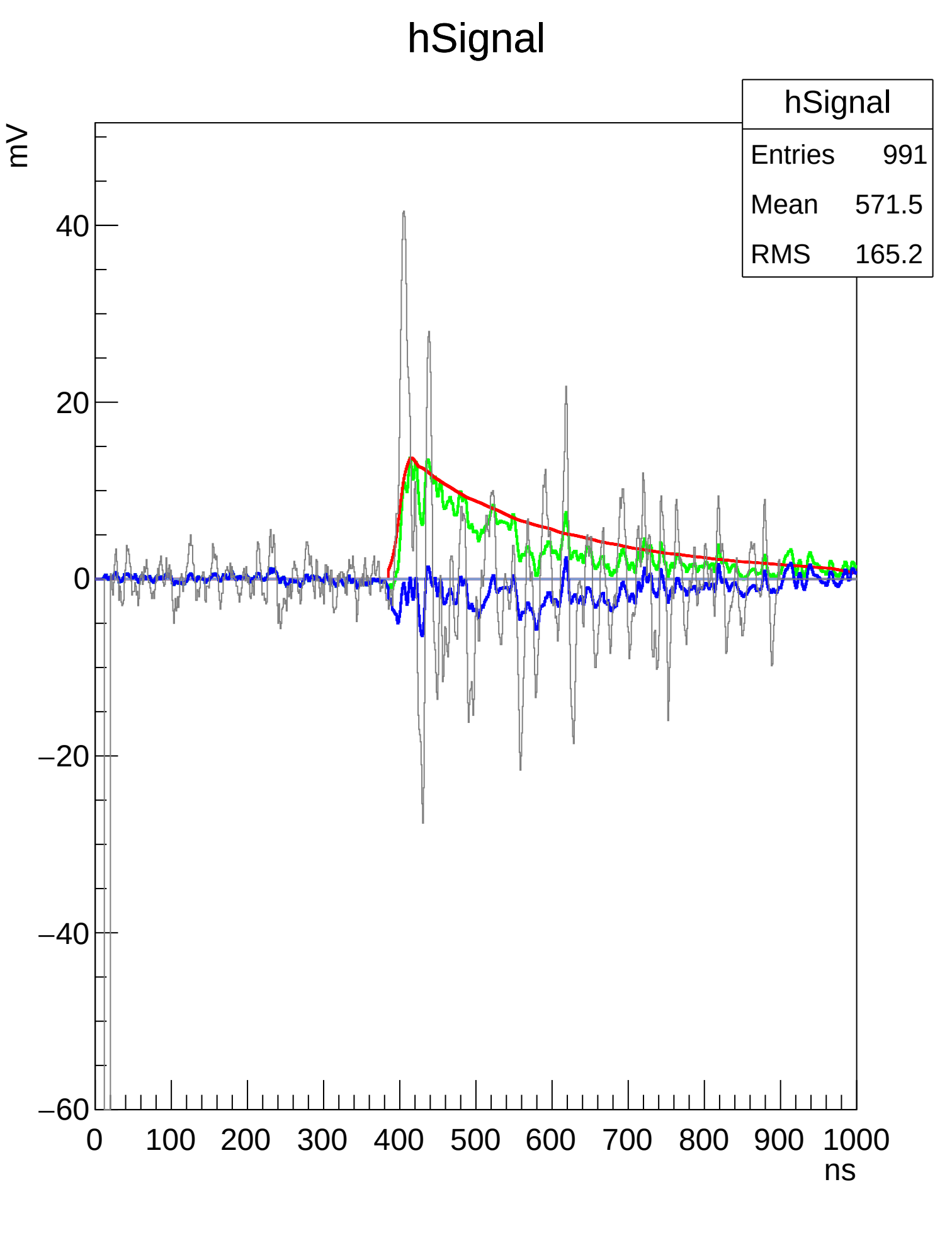
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 165.2
mV
40
20
0
−20
−40
−60
0
100
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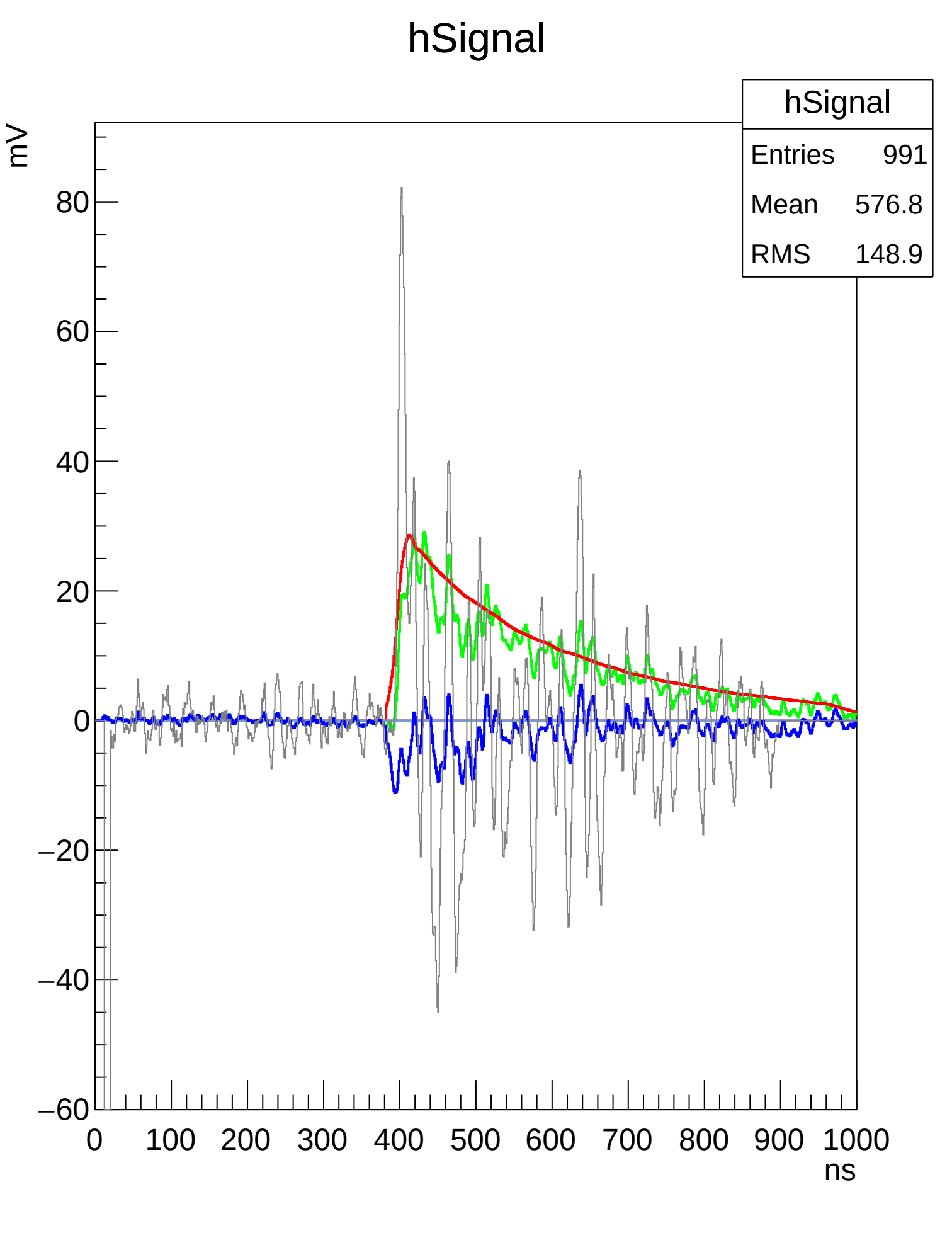
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.8
RMS 148.9
mV
80
60
40
20
0
−20
−40
−60
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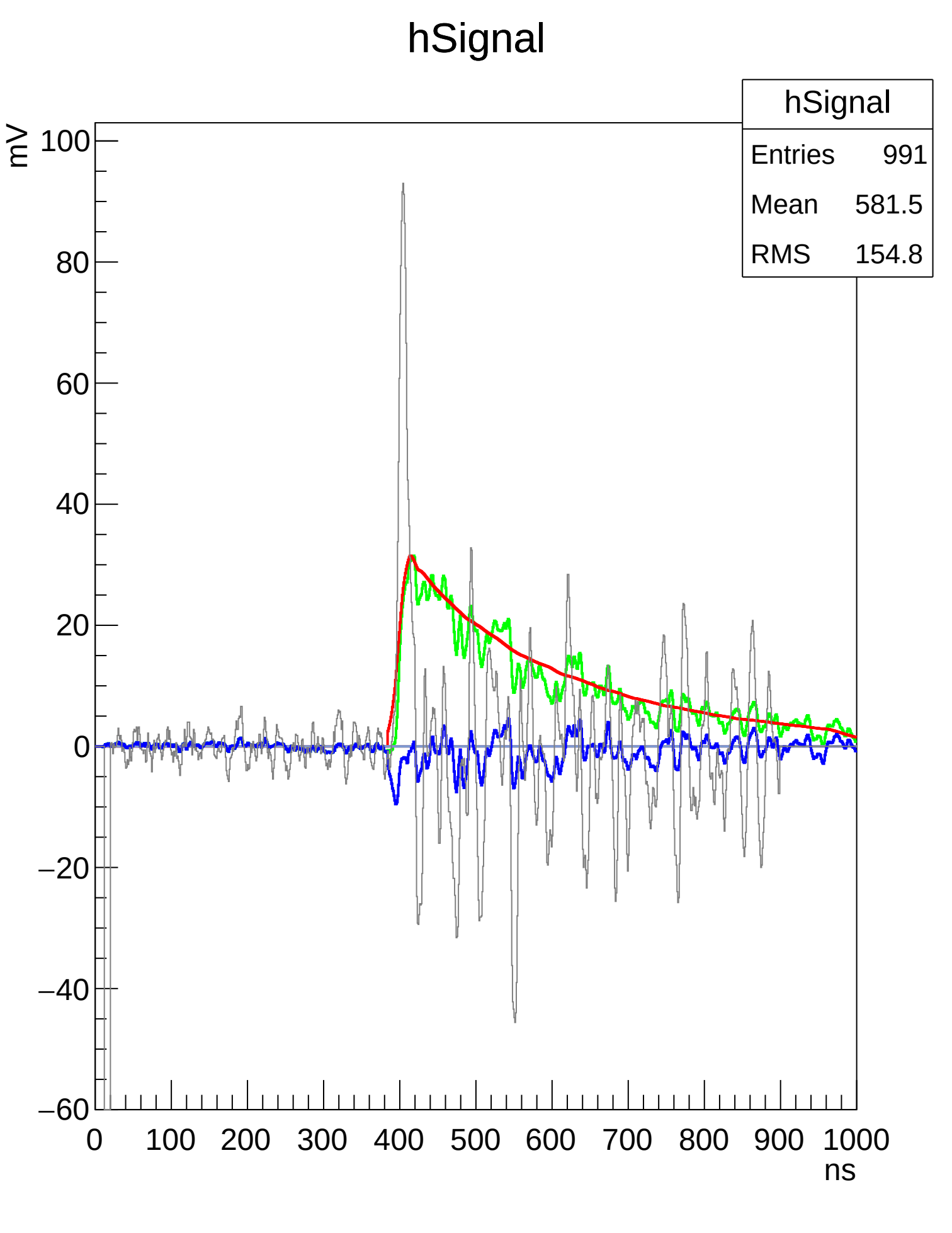
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.5
RMS 154.8
mV
100
80
60
40
20
0
−20
−40
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0
100
200
300
400
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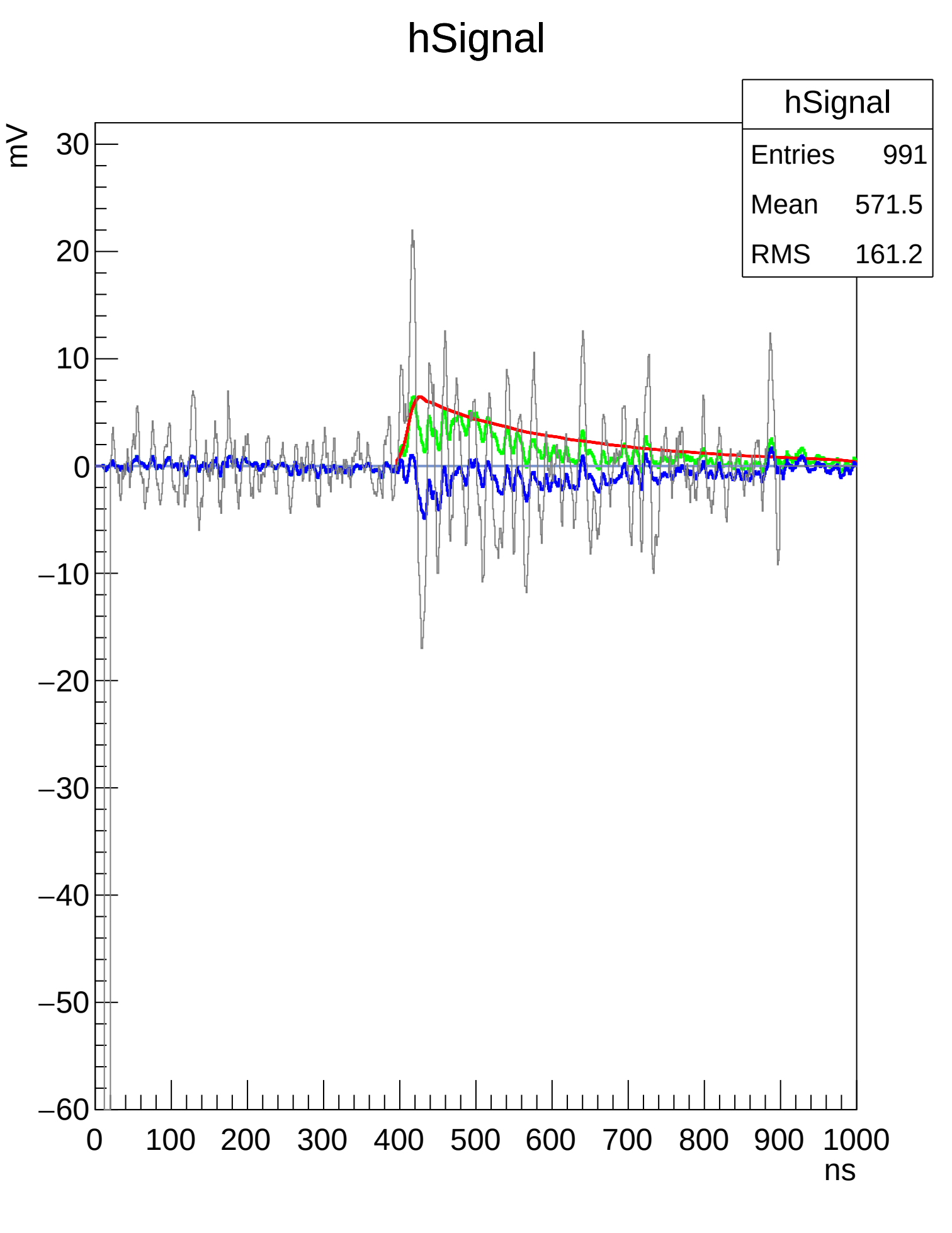
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 161.2
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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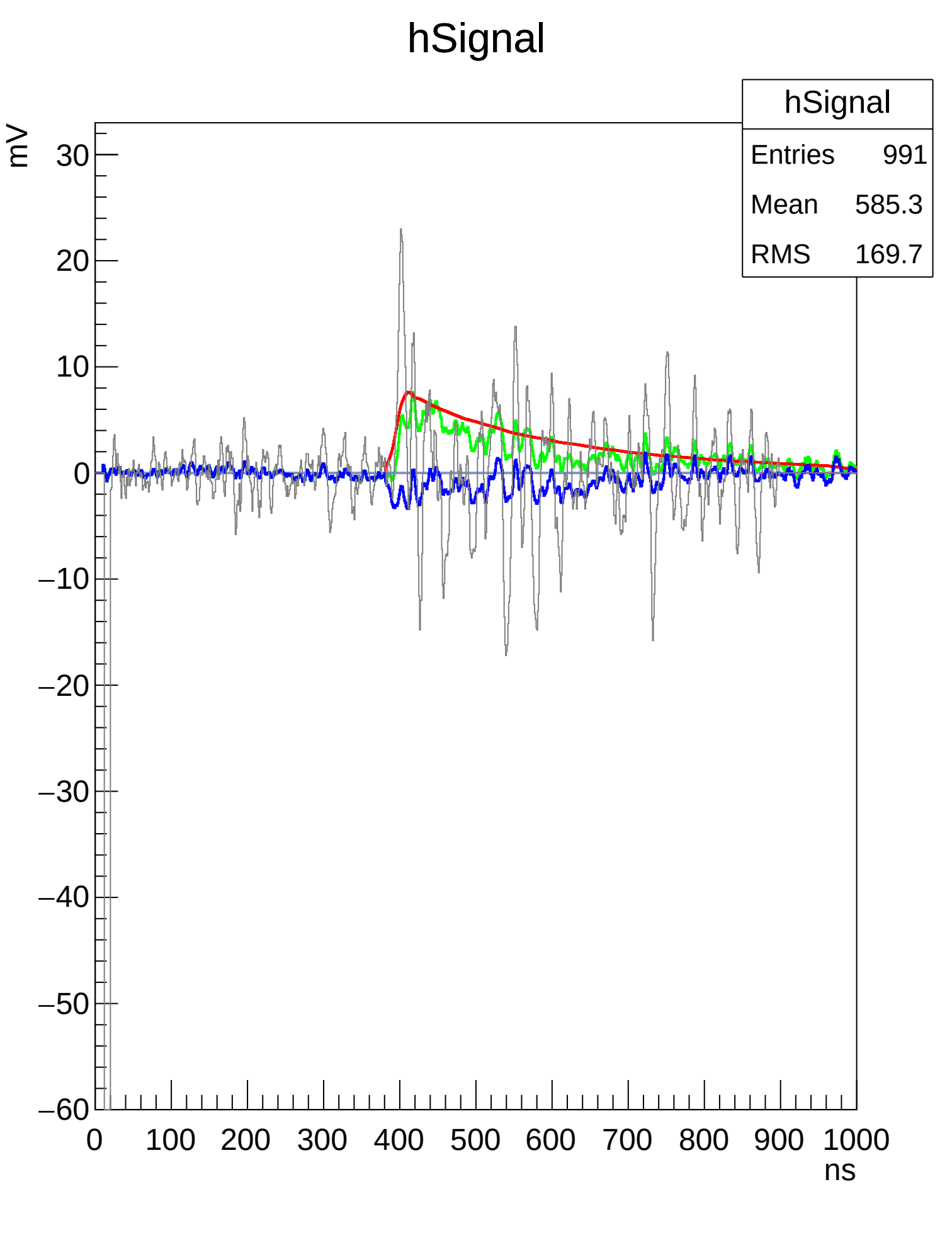
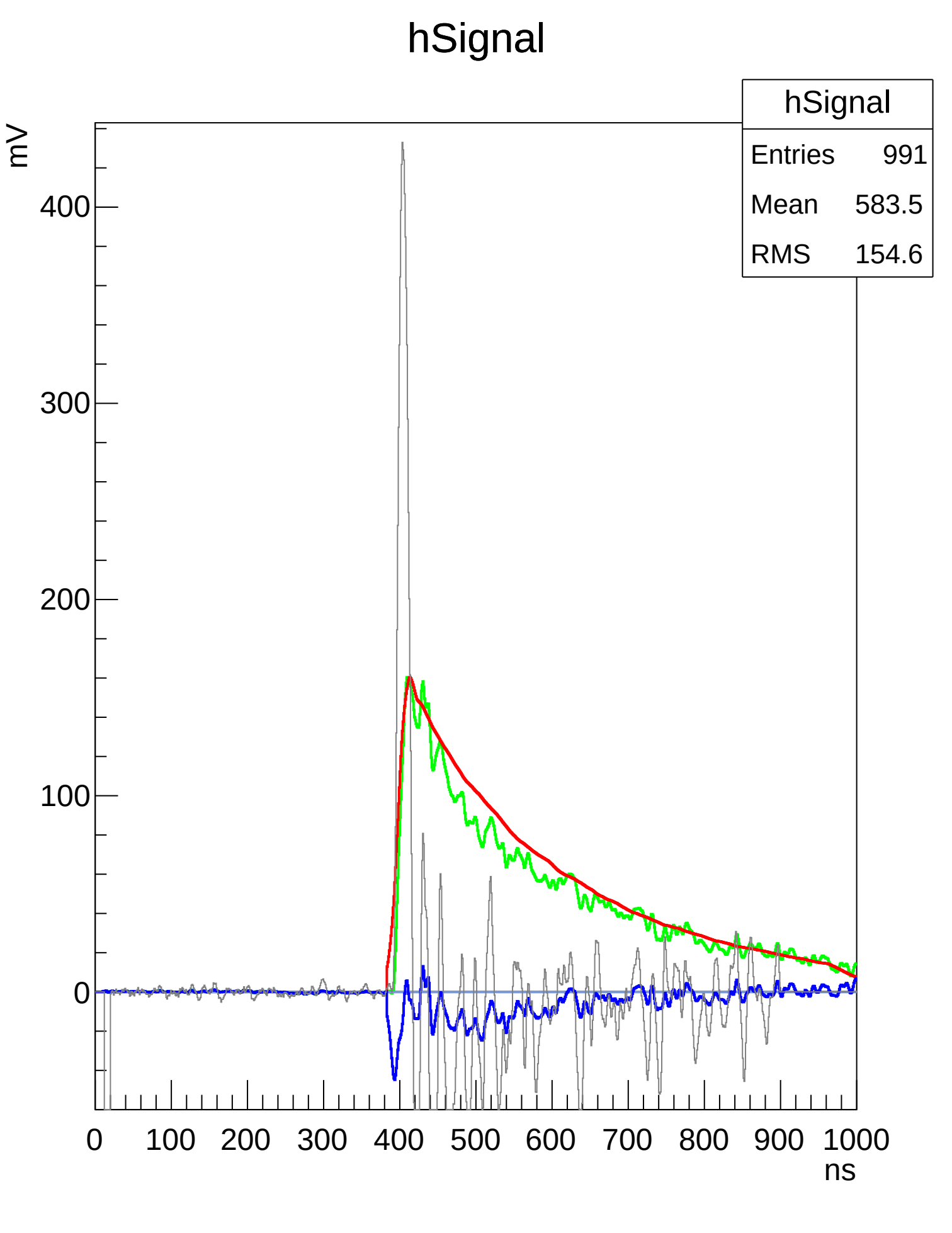
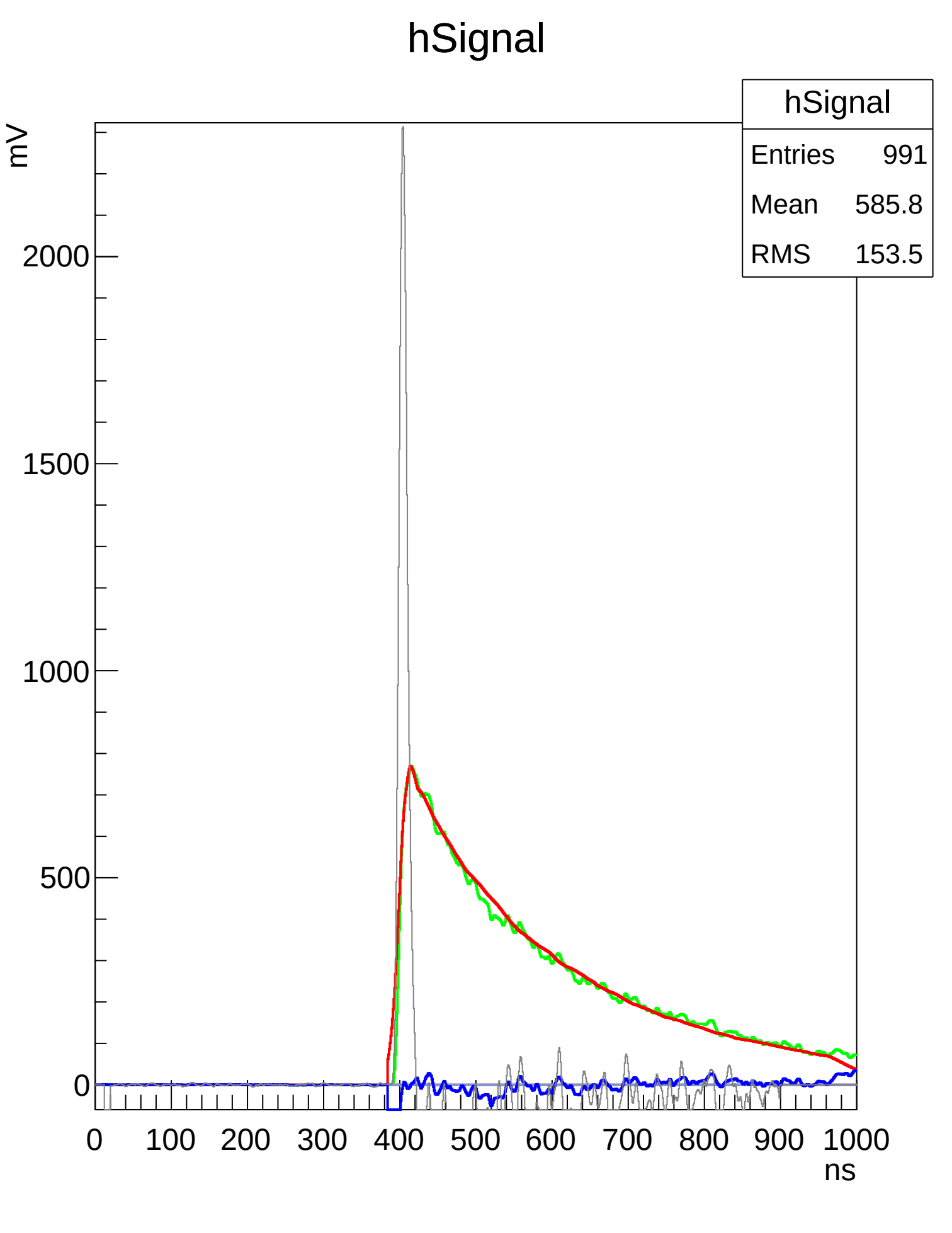
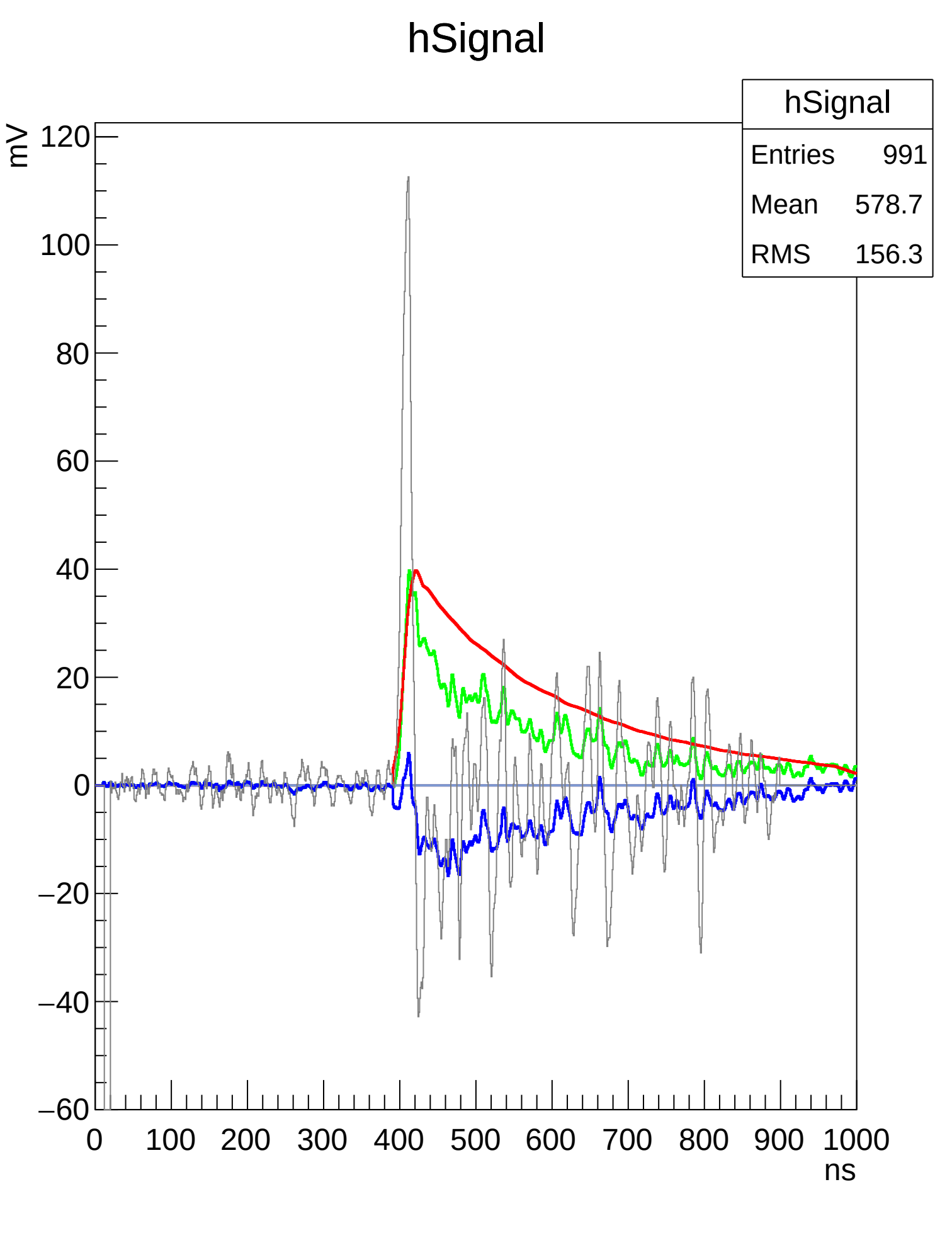
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 169.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.5
RMS 154.6
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.8
RMS 153.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 156.3
mV
120
100
80
60
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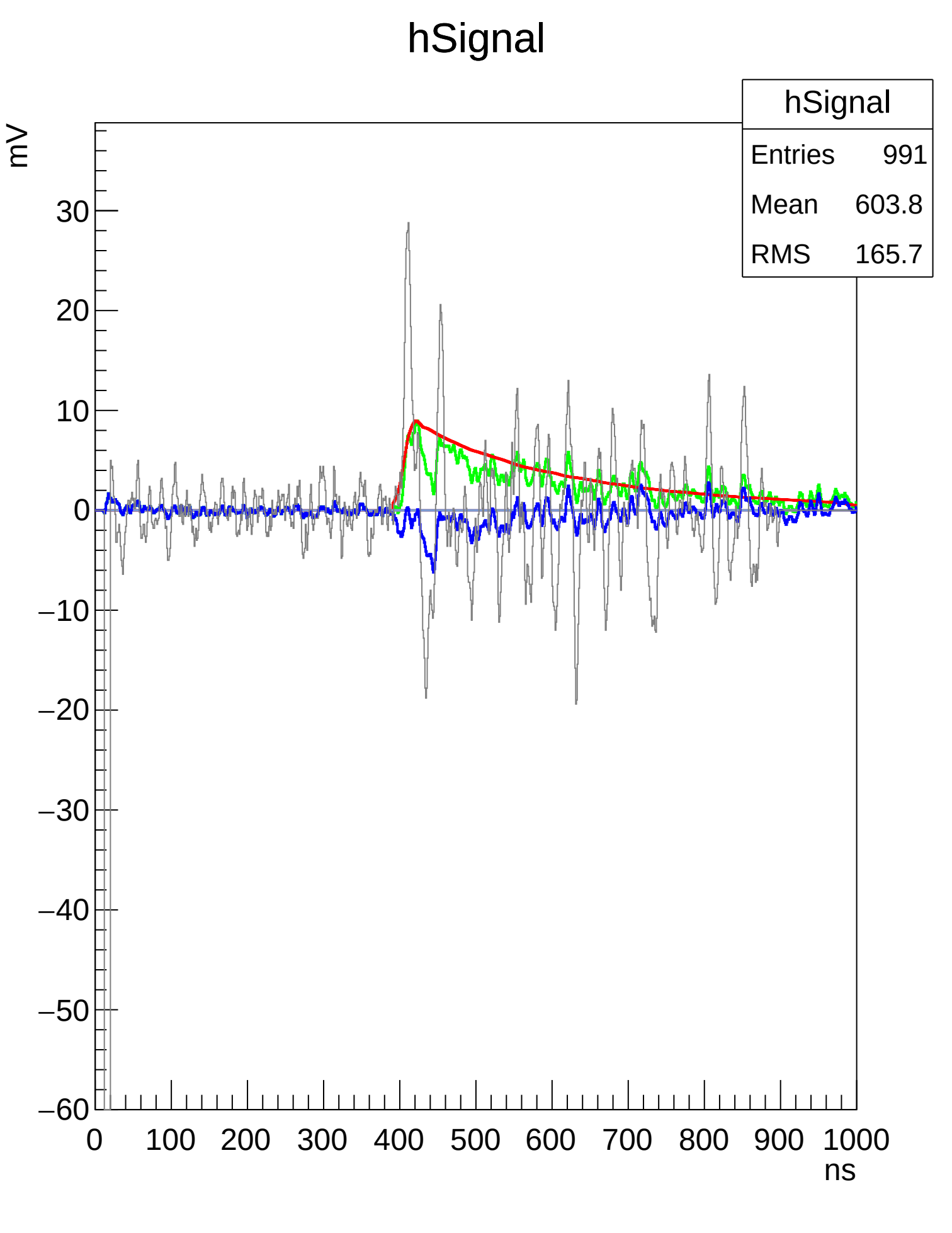
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.8
RMS 165.7
mV
30
20
10
0
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−20
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−40
−50
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0
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200
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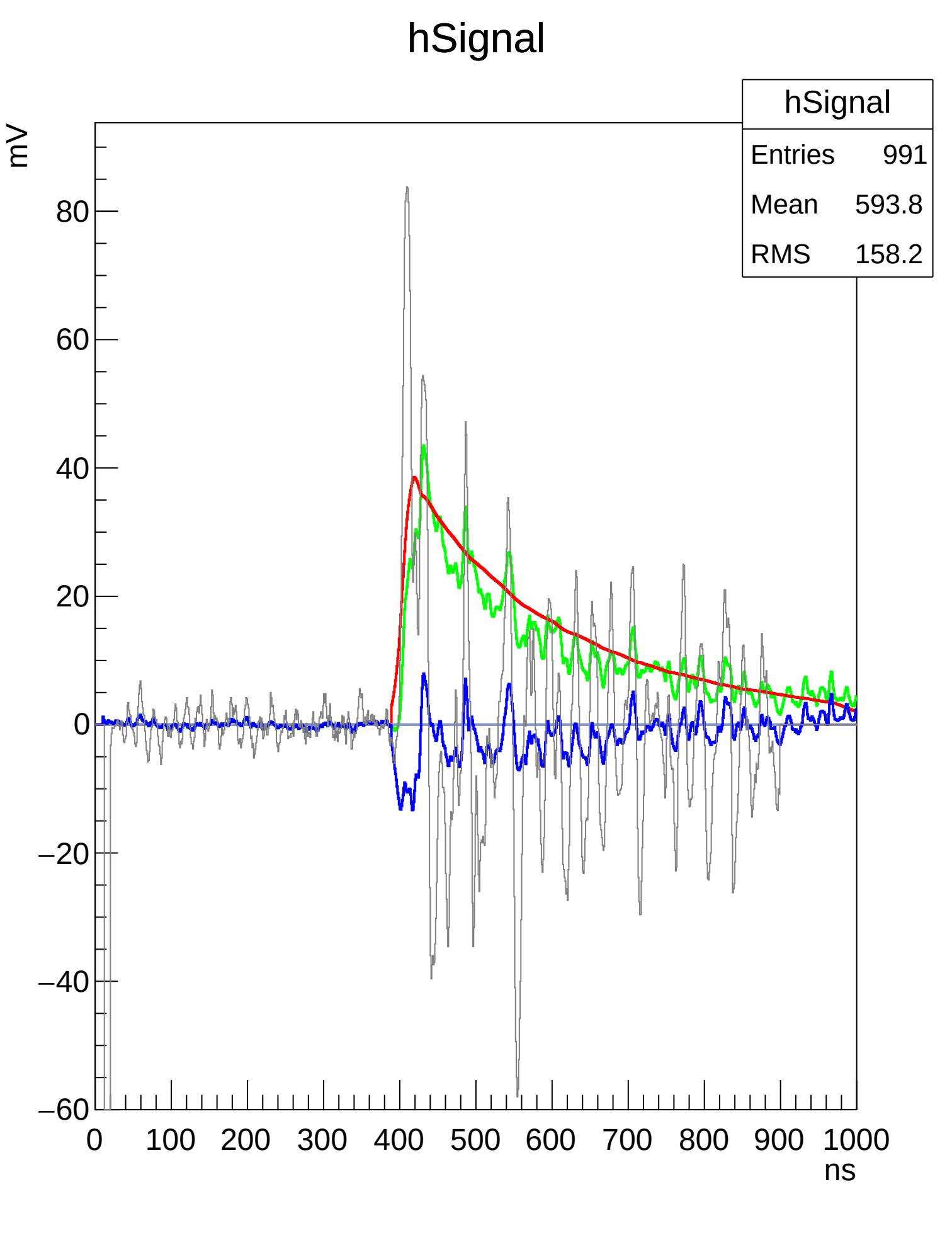
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.8
RMS 158.2
mV
80
60
40
20
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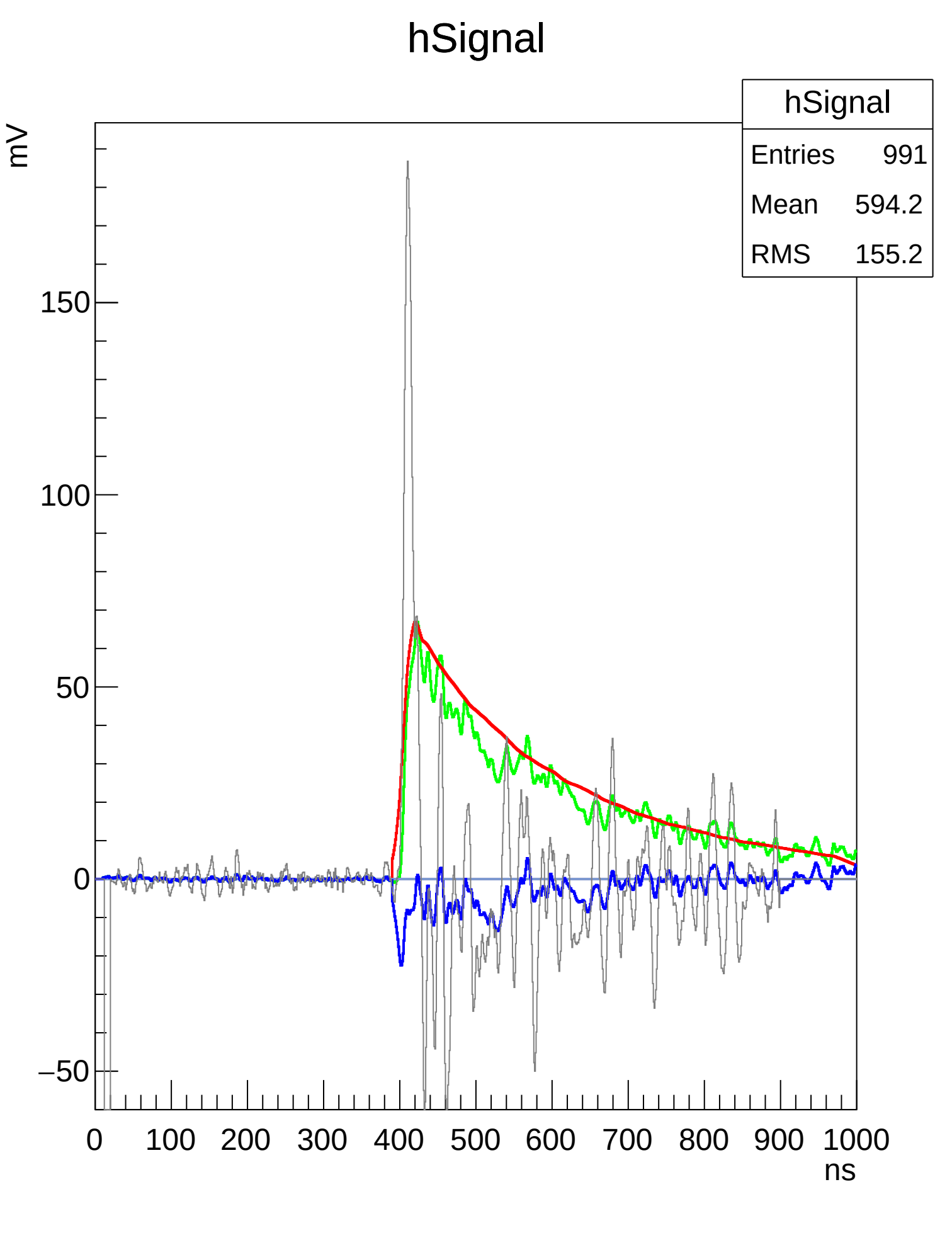
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.2
RMS 155.2
mV
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100
50
0
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0
100
200
300
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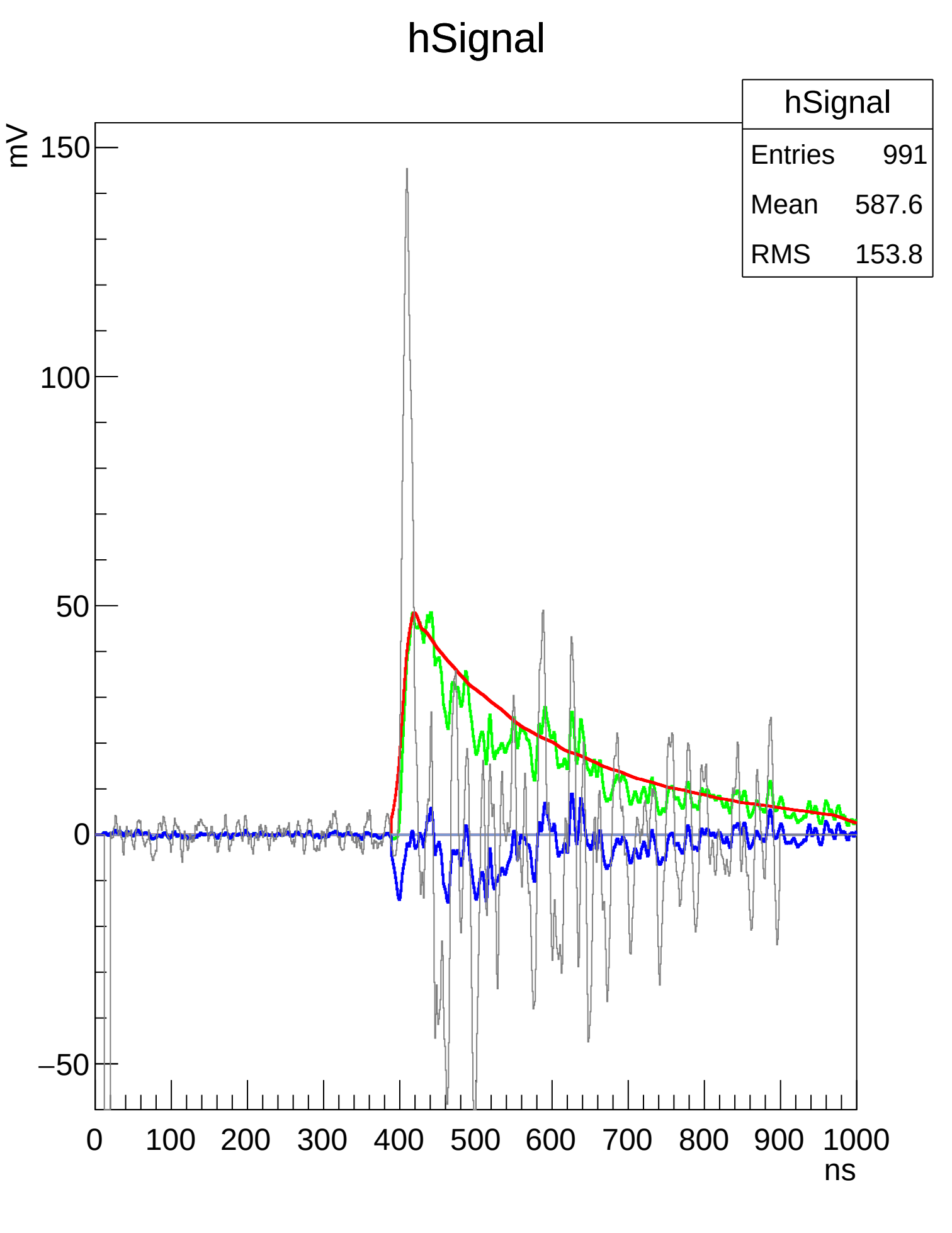
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.6
RMS 153.8
mV
150
100
50
0
−50
0
100
200
300
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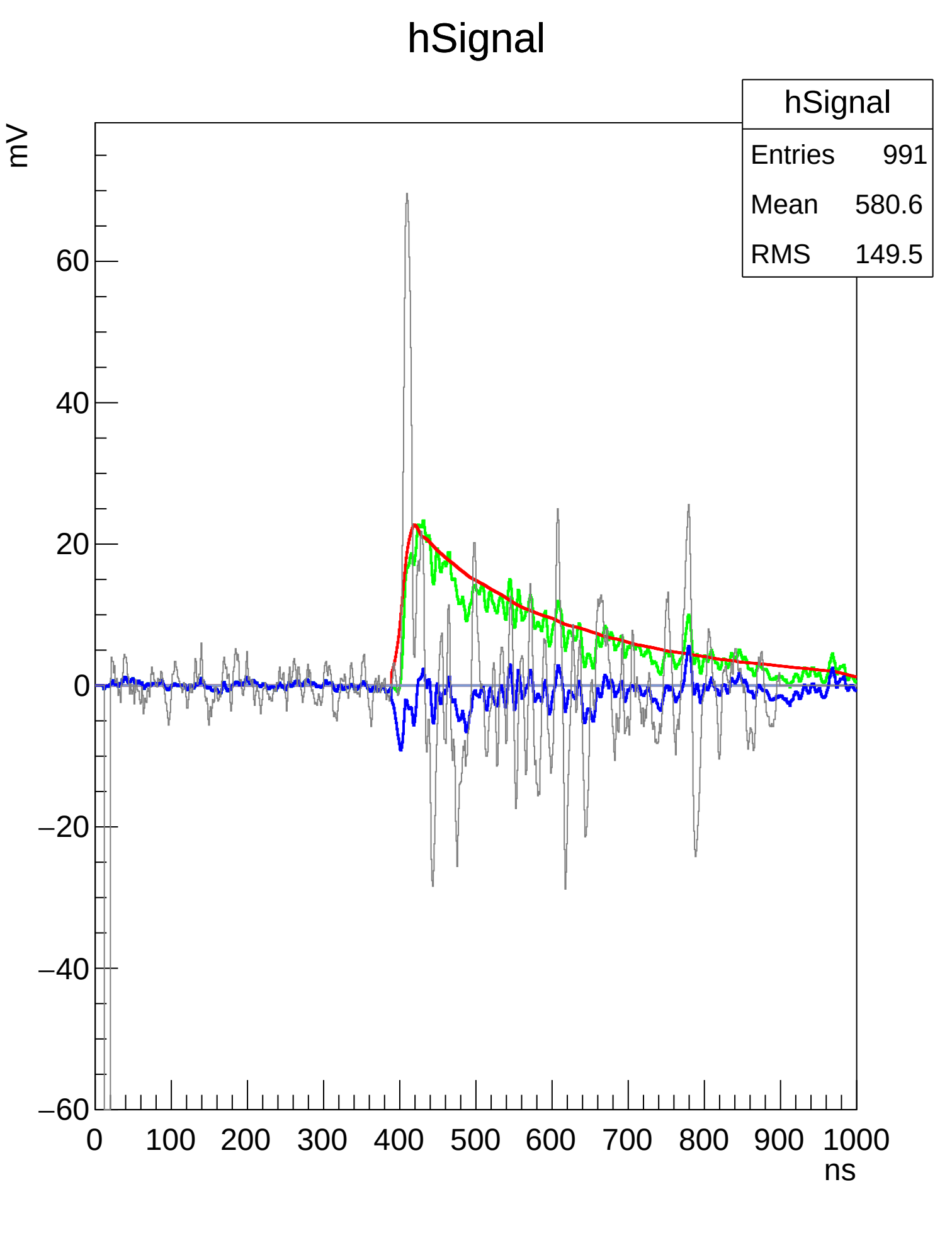
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.6
RMS 149.5
mV
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40
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0
−20
−40
−60
0
100
200
300
400
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600
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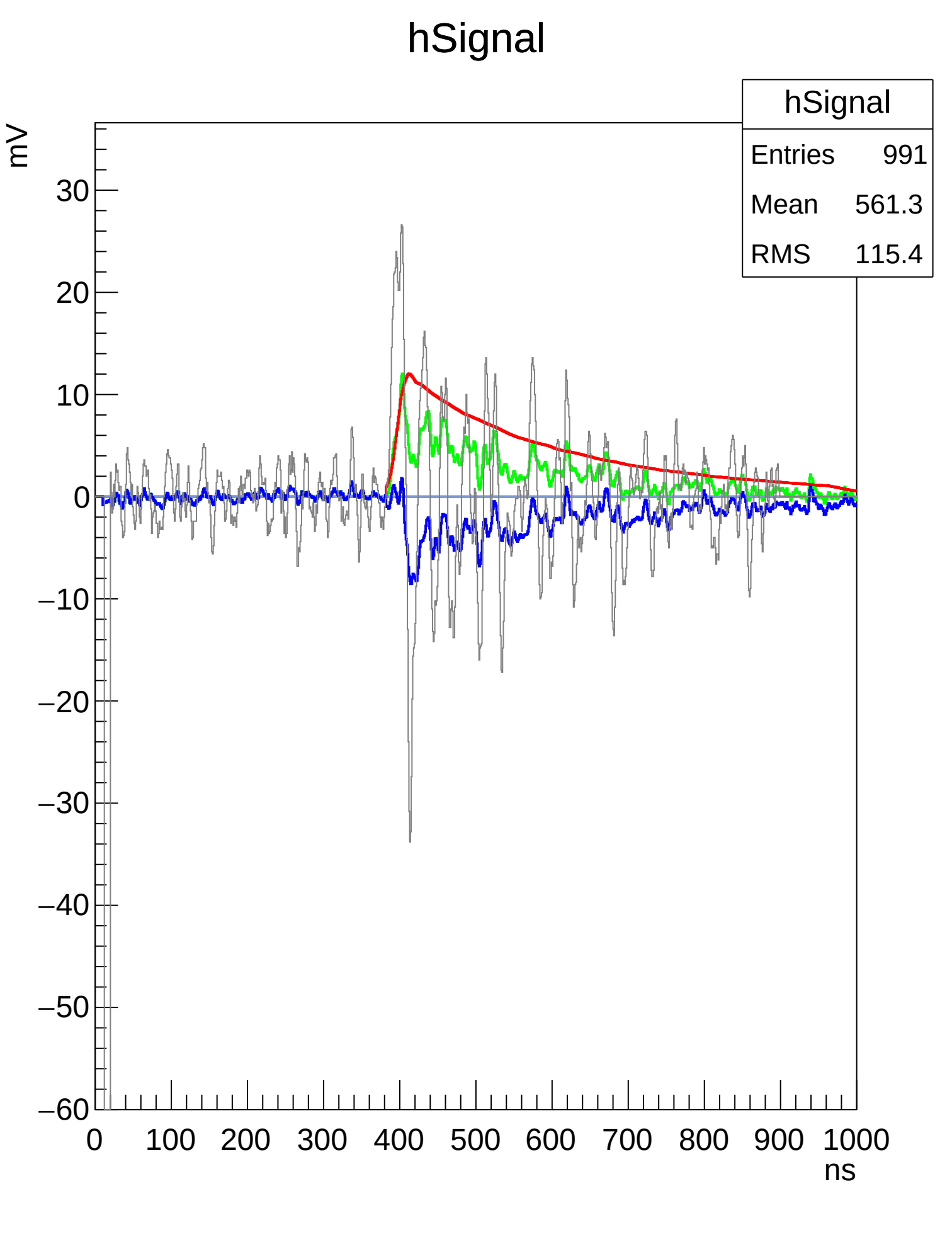
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.3
RMS 115.4
mV
30
20
10
0
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−40
−50
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0
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1000
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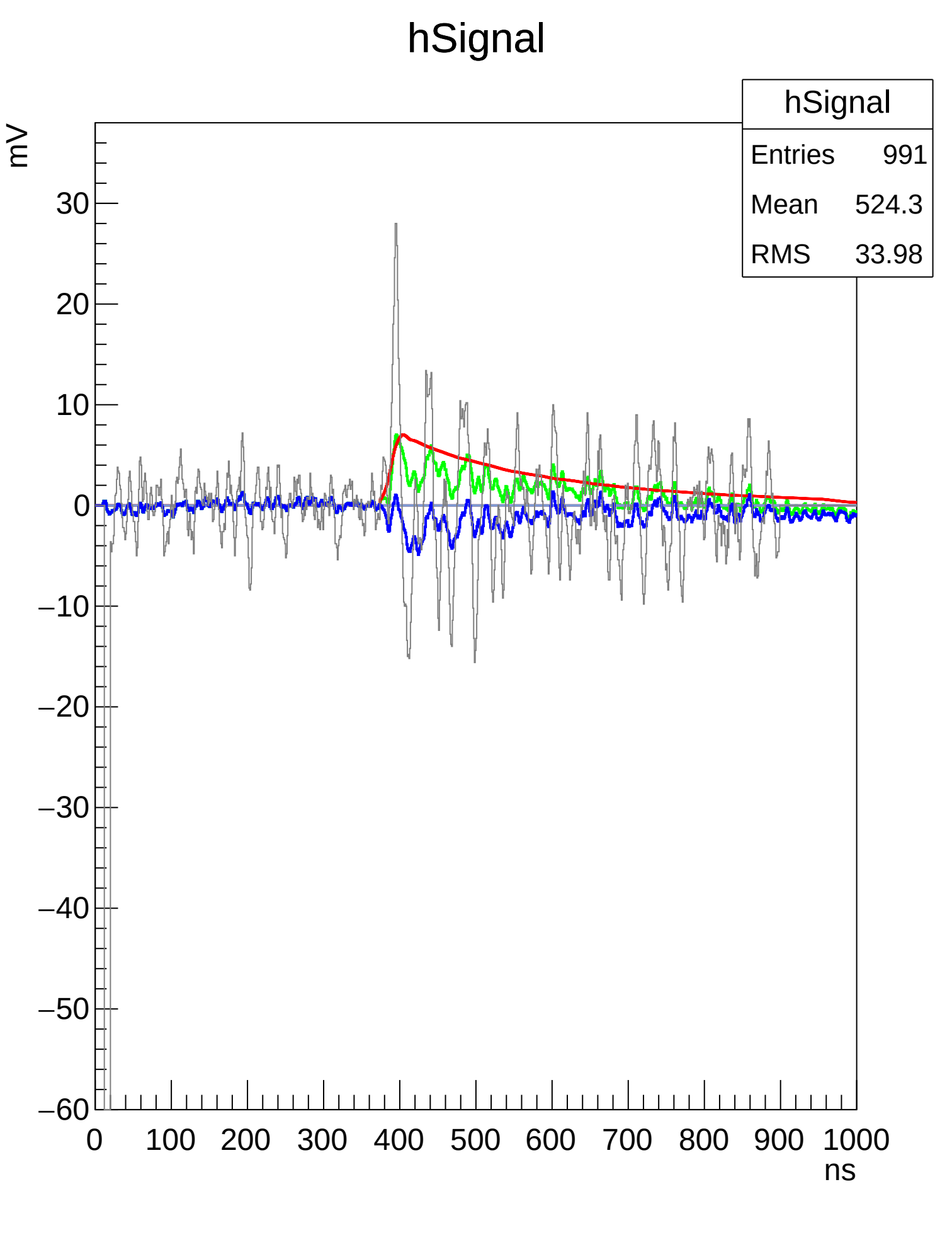
hSignal
hSignal
Entries 991
Mean 524.3
RMS 33.98
mV
30
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10
0
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0
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200
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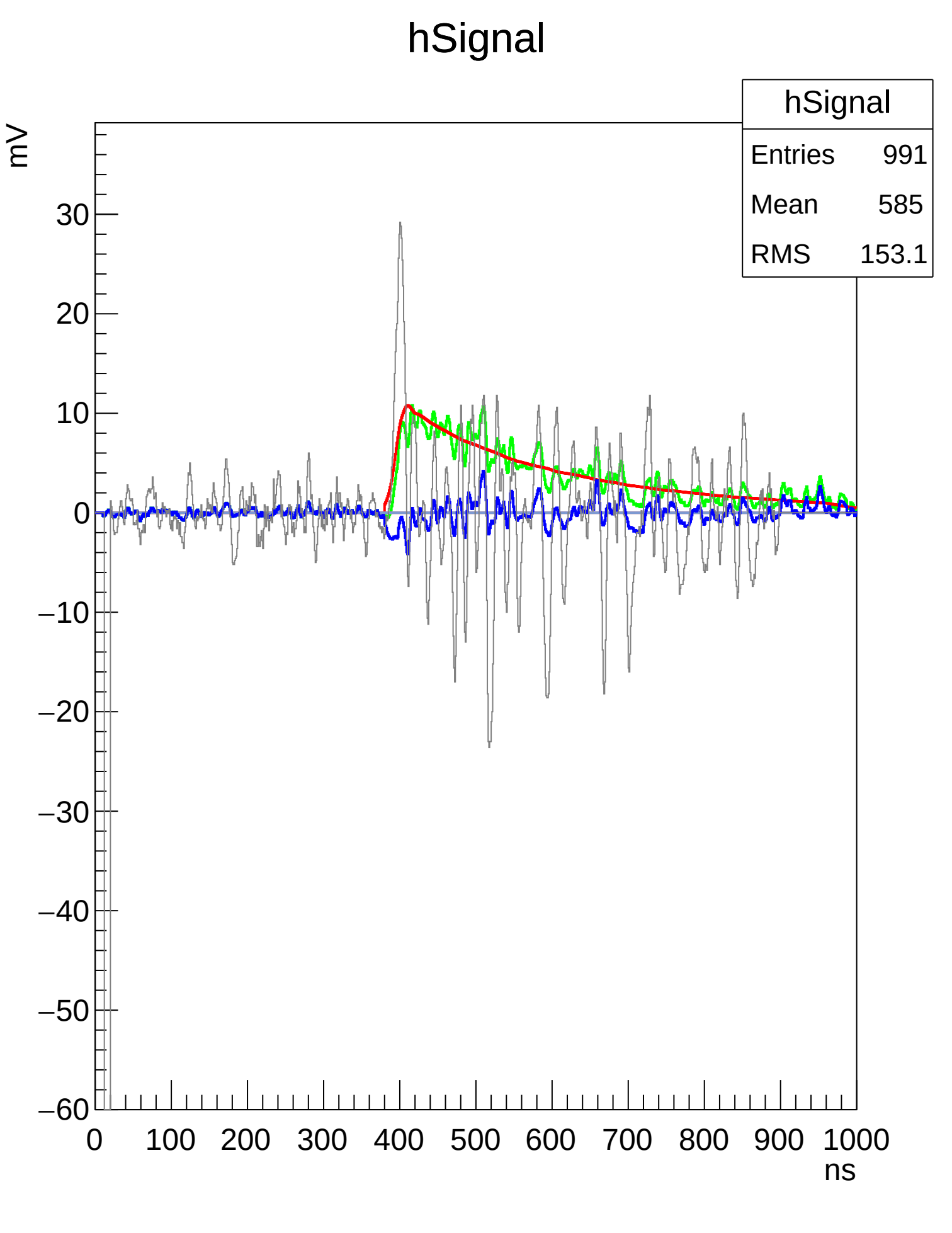
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585
RMS 153.1
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
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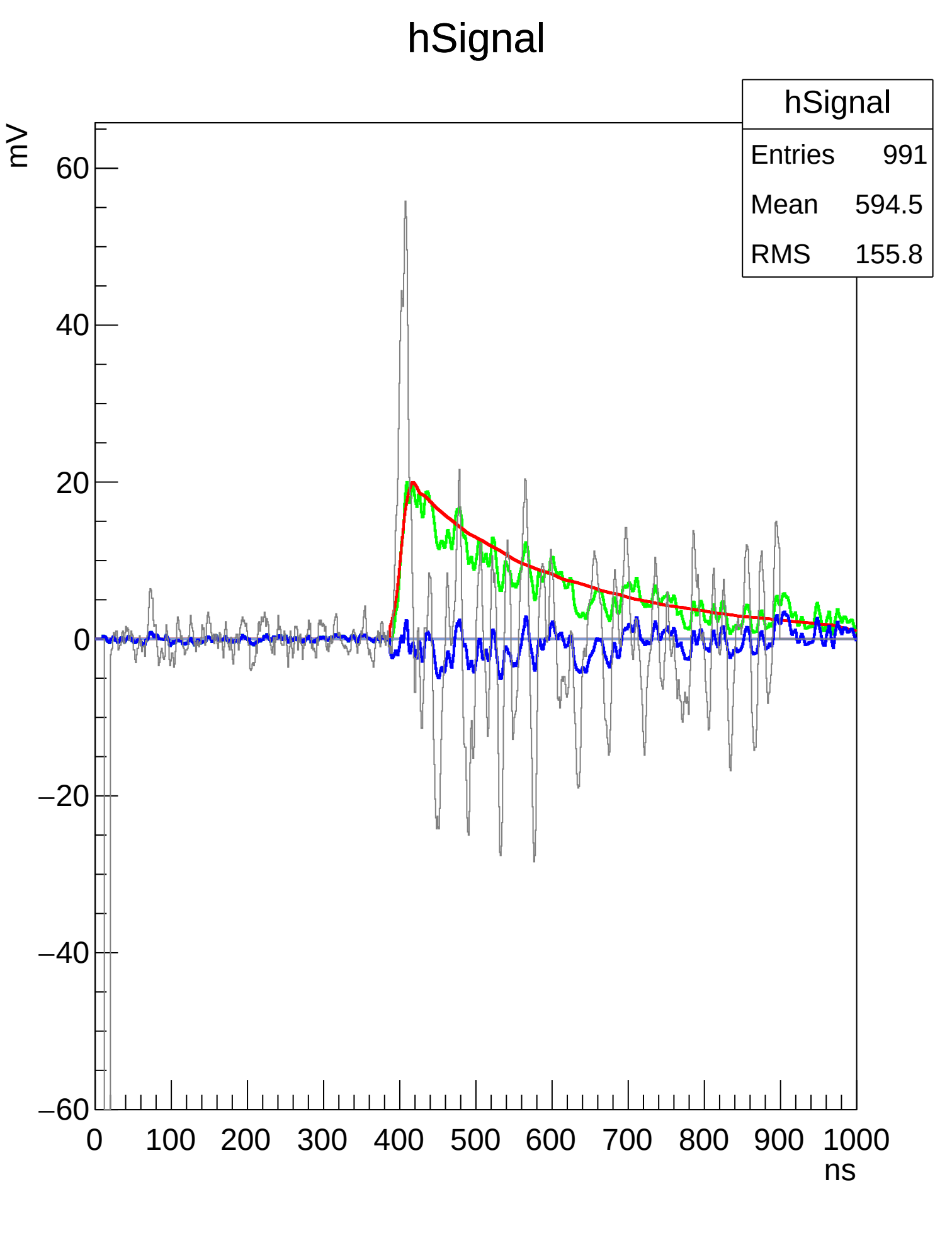
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.5
RMS 155.8
mV
60
40
20
0
−20
−40
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0
100
200
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400
500
600
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800
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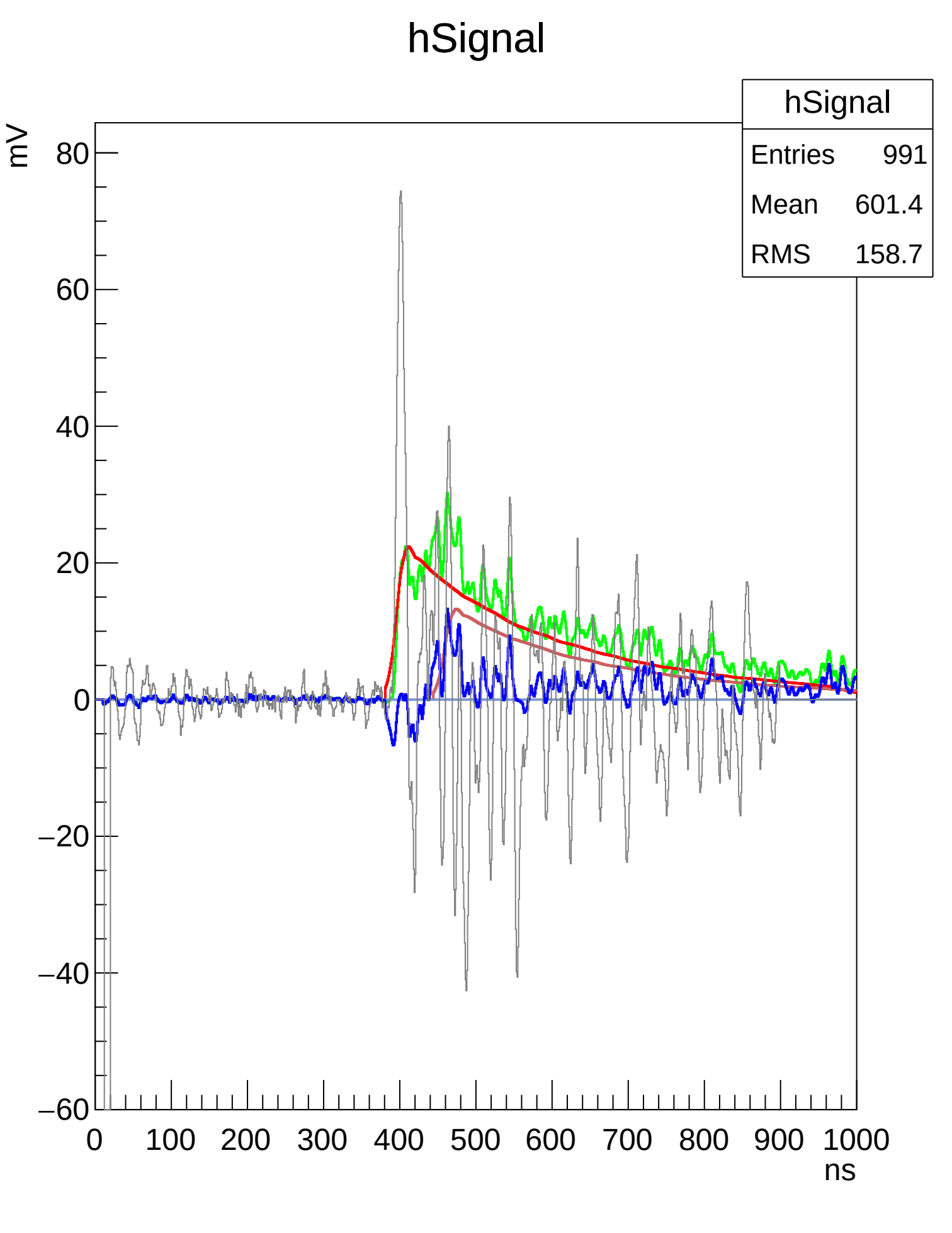
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 158.7
mV
80
60
40
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0
−20
−40
−60
0
100
200
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400
500
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800
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1000
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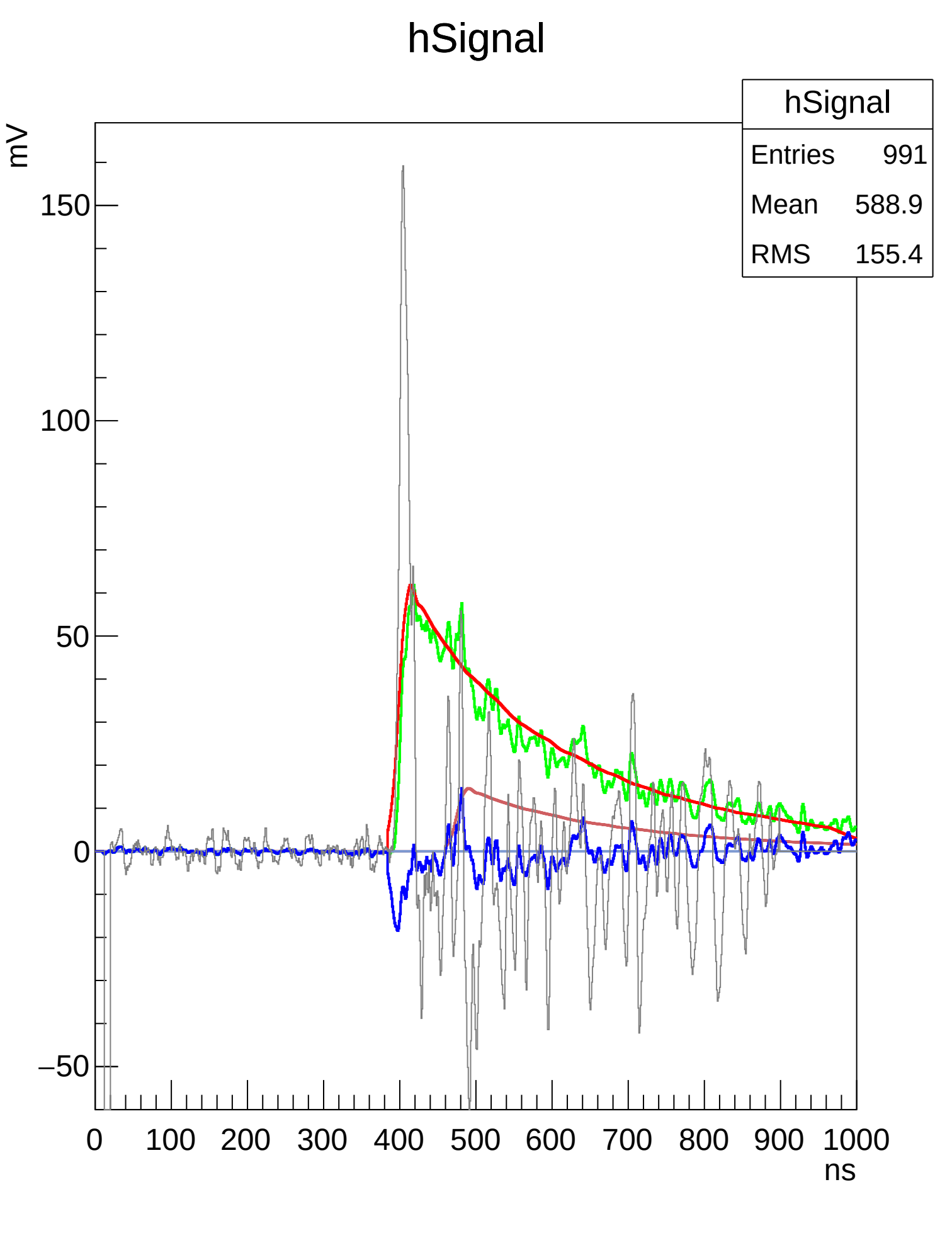
hSignal
hSignal
Entries 991
Mean 588.9
RMS 155.4
mV
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0
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0
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400
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600
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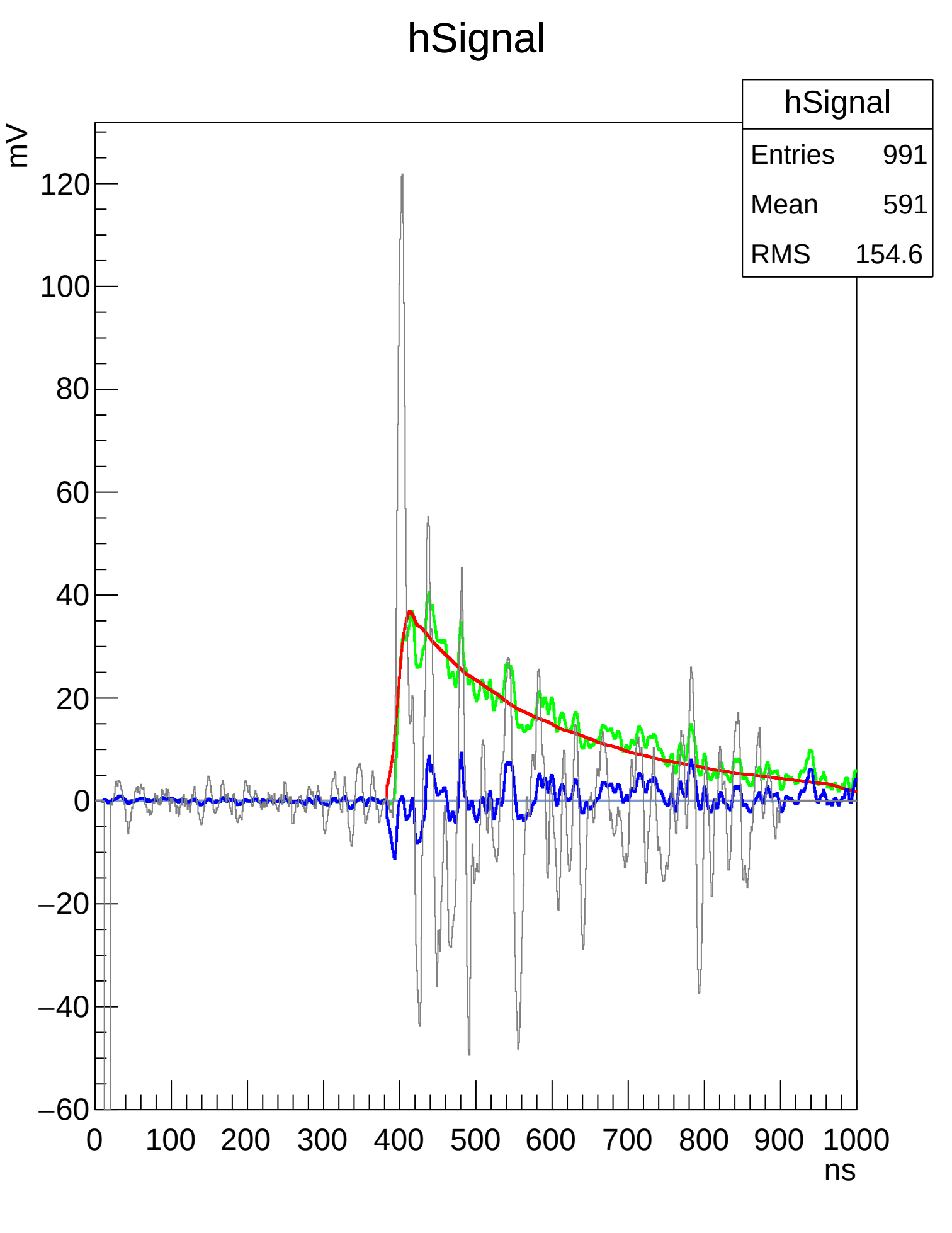
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591
RMS 154.6
mV
120
100
80
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0
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200
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400
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900
1000
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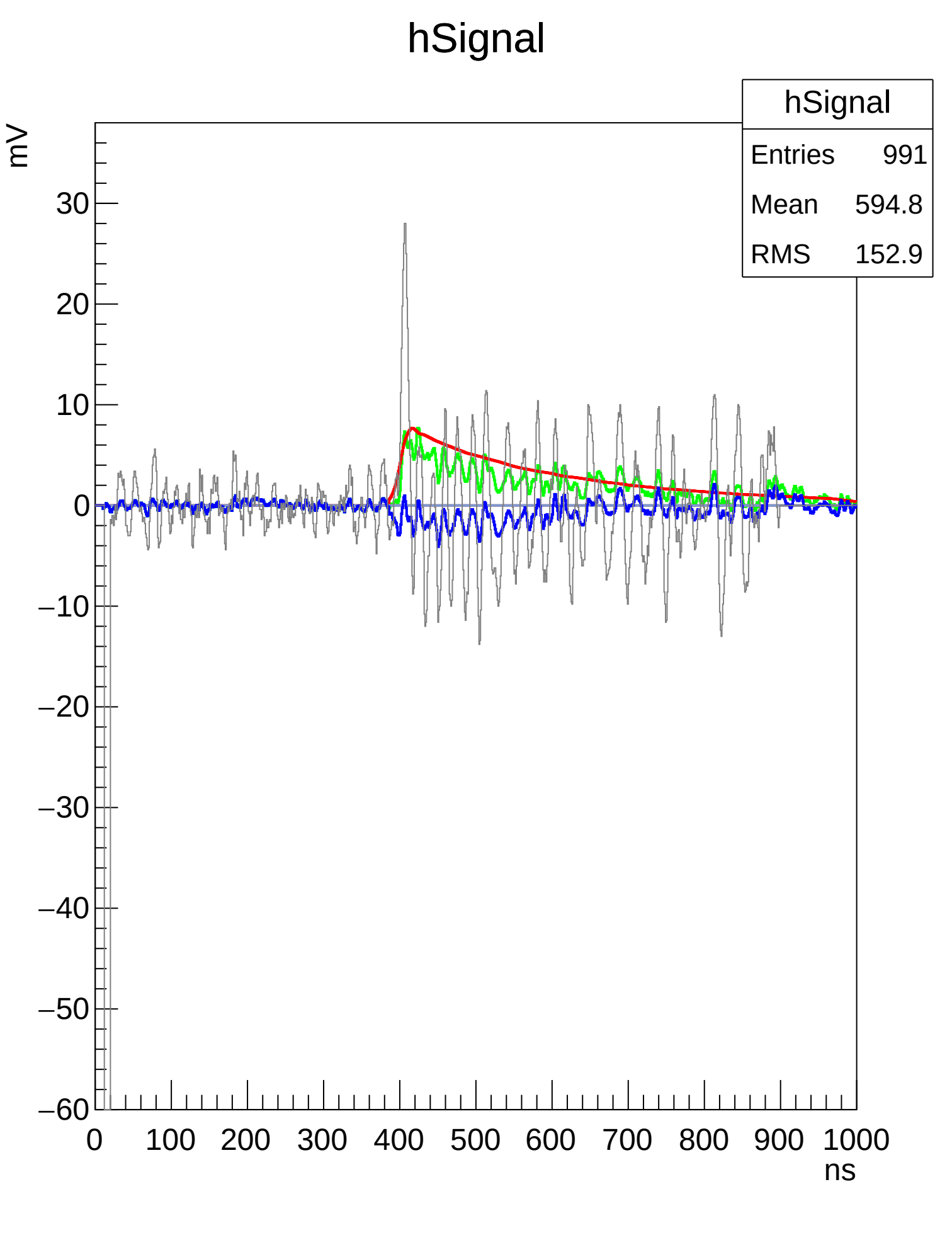
hSignal
hSignal
Entries 991
Mean 594.8
RMS 152.9
mV
30
20
10
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0
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200
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600
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800
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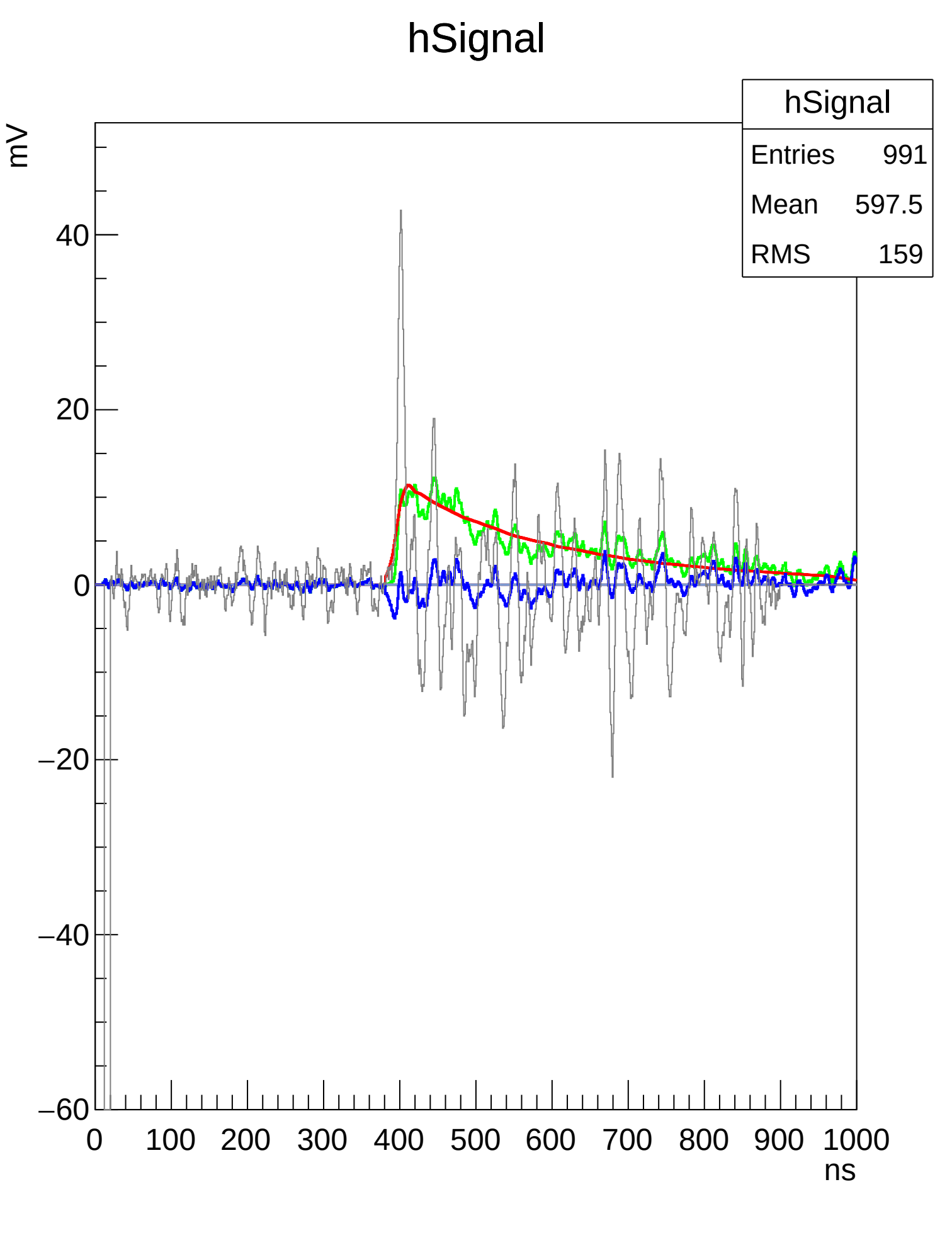
1000
ns


hSignal
hSignal
Entries 991
Mean 597.5
RMS 159
mV
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−20
−40
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0
100
200
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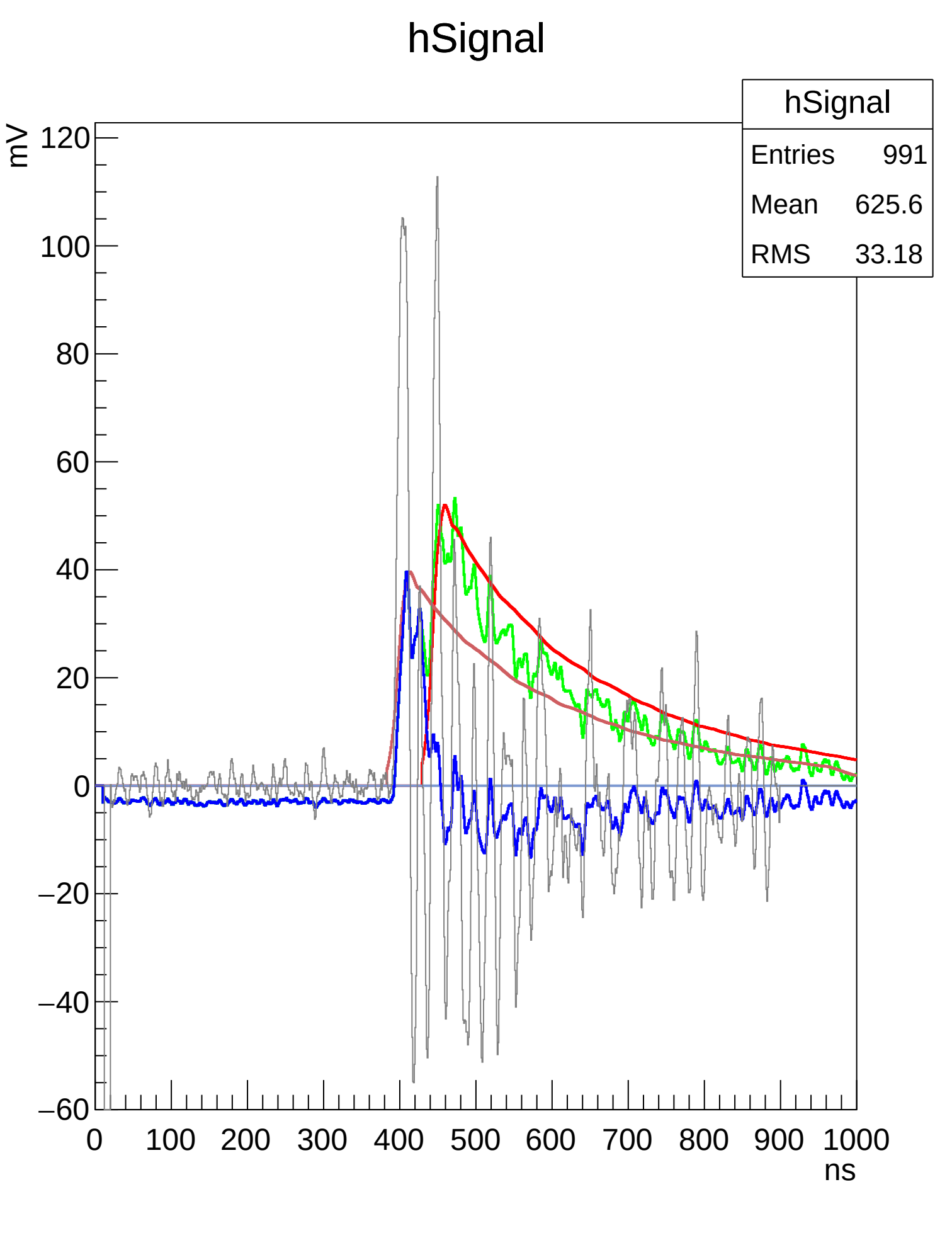
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.6
RMS 33.18
mV
120
100
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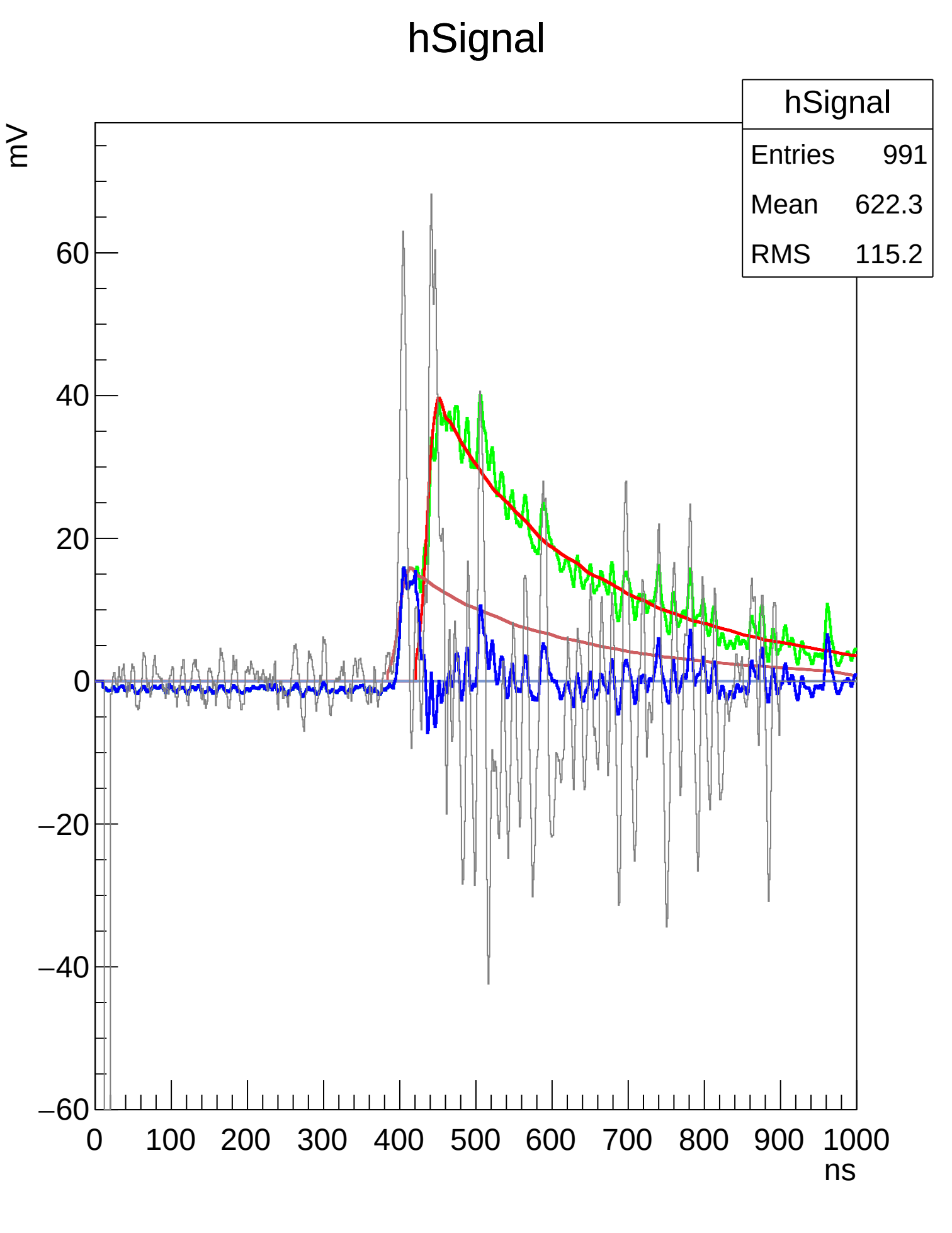
1000
ns


hSignal
hSignal
Entries 991
Mean 622.3
RMS 115.2
mV
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400
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700
800
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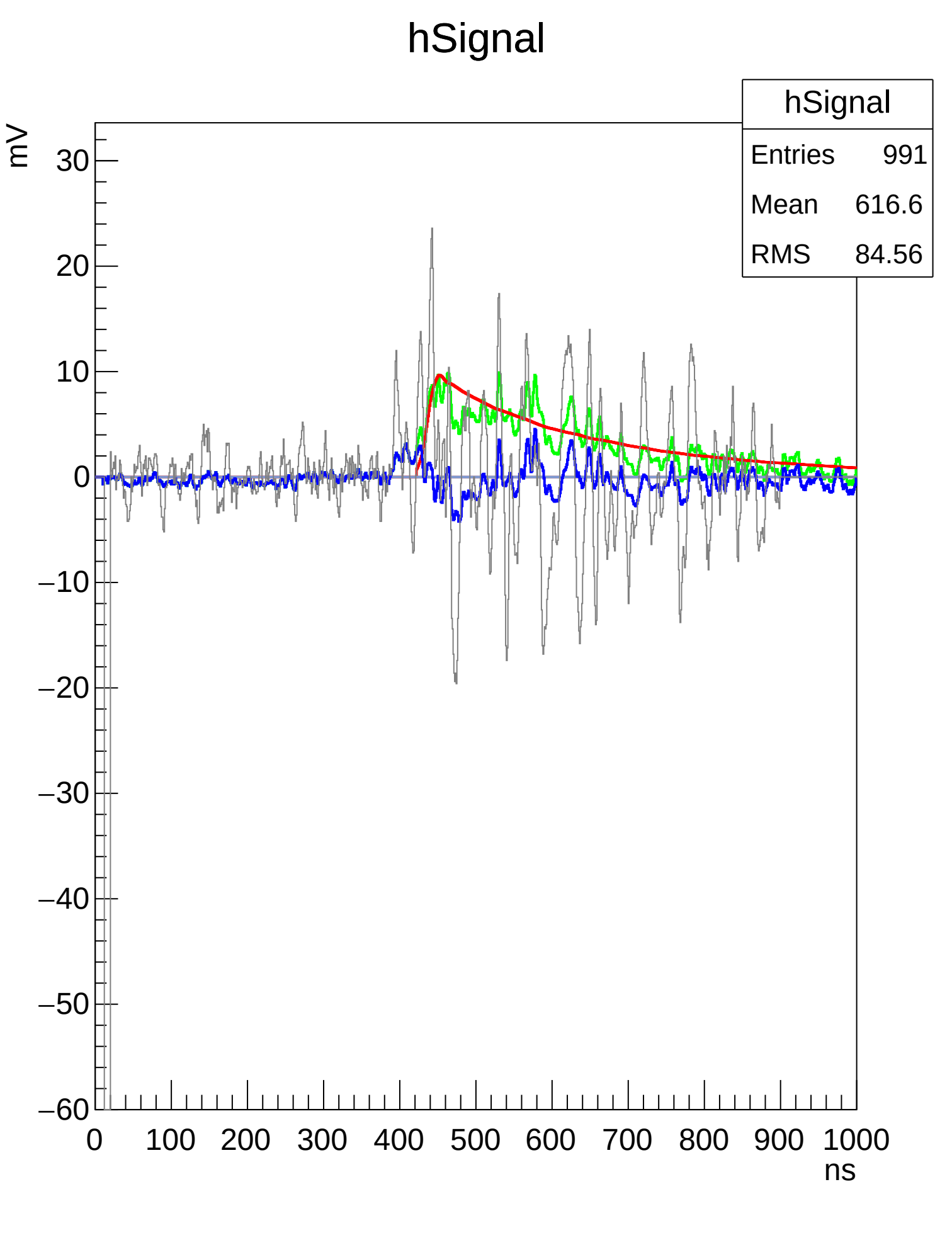
1000
ns


hSignal
hSignal
Entries 991
Mean 616.6
RMS 84.56
mV
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10
0
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0
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400
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800
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1000
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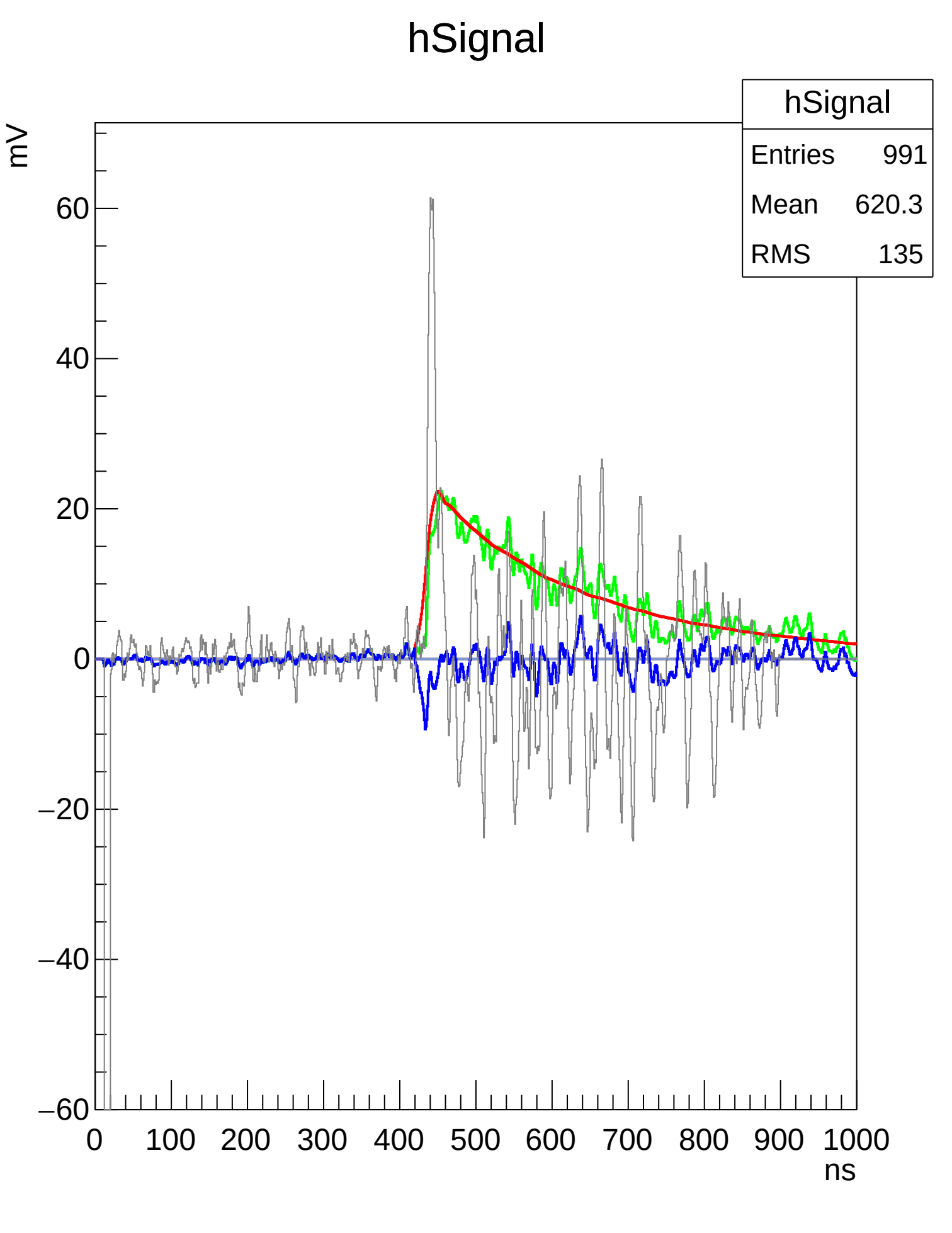
hSignal
hSignal
Entries 991
Mean 620.3
RMS 135
mV
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−60
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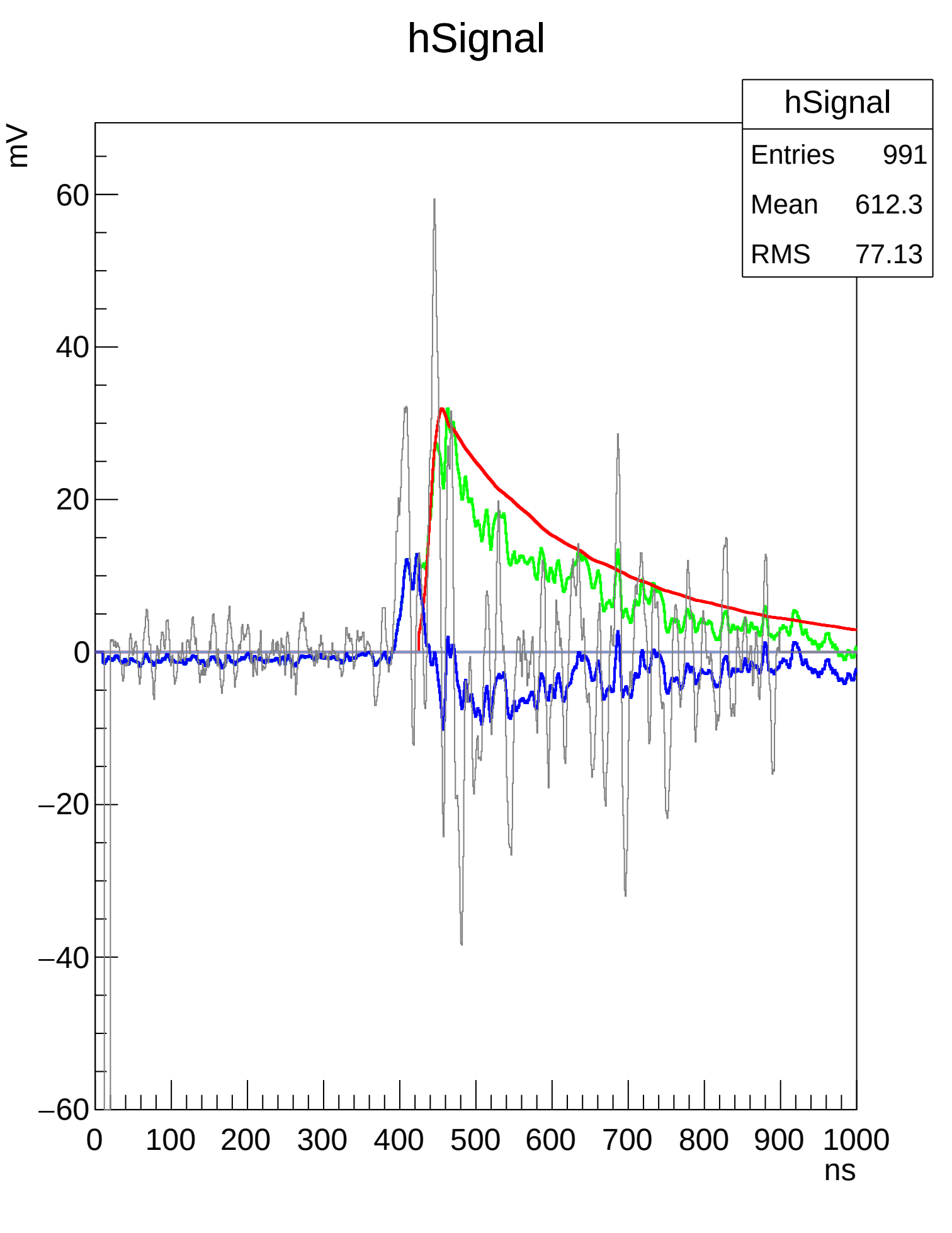
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.3
RMS 77.13
mV
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−40
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600
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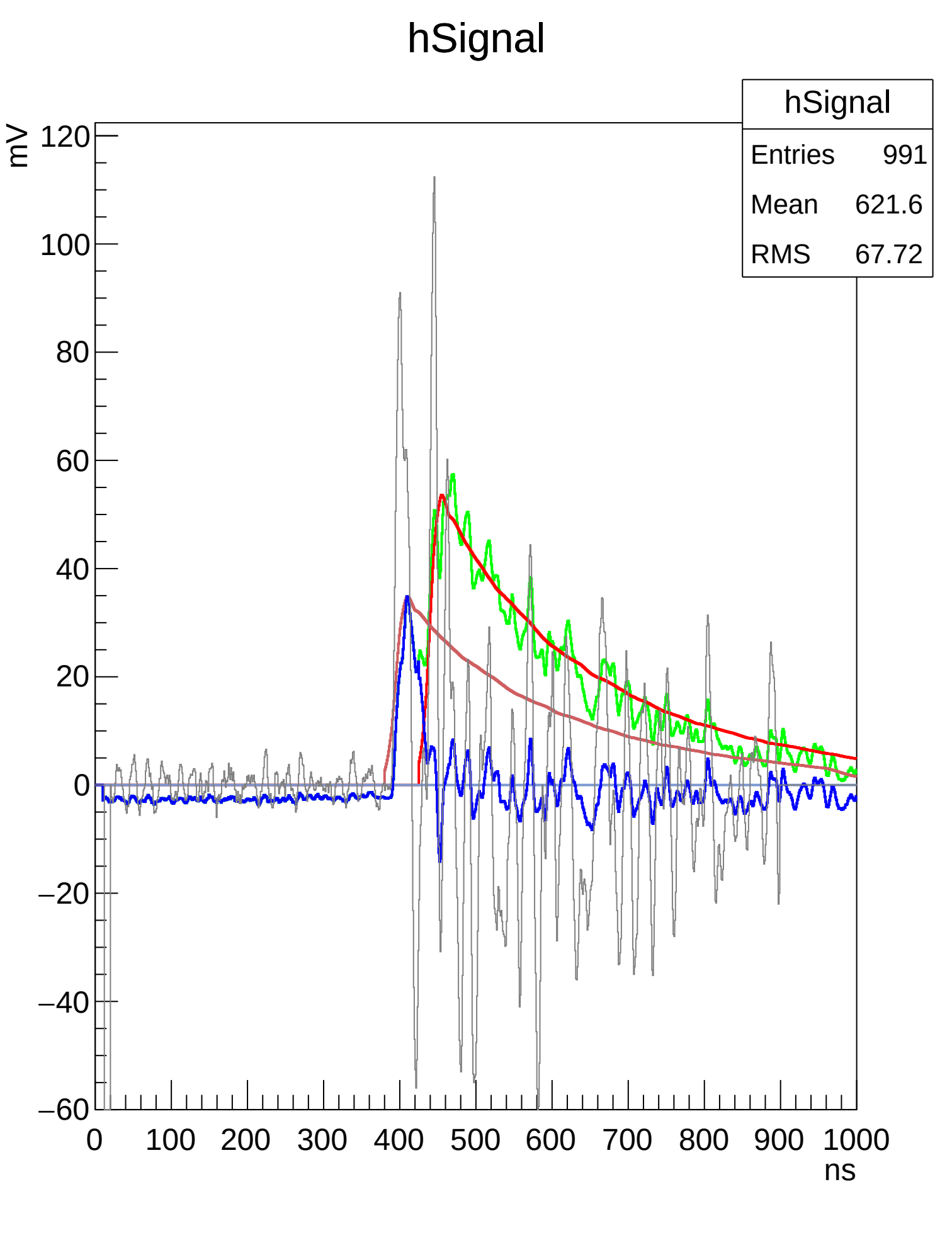
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.6
RMS 67.72
mV
120
100
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−20
−40
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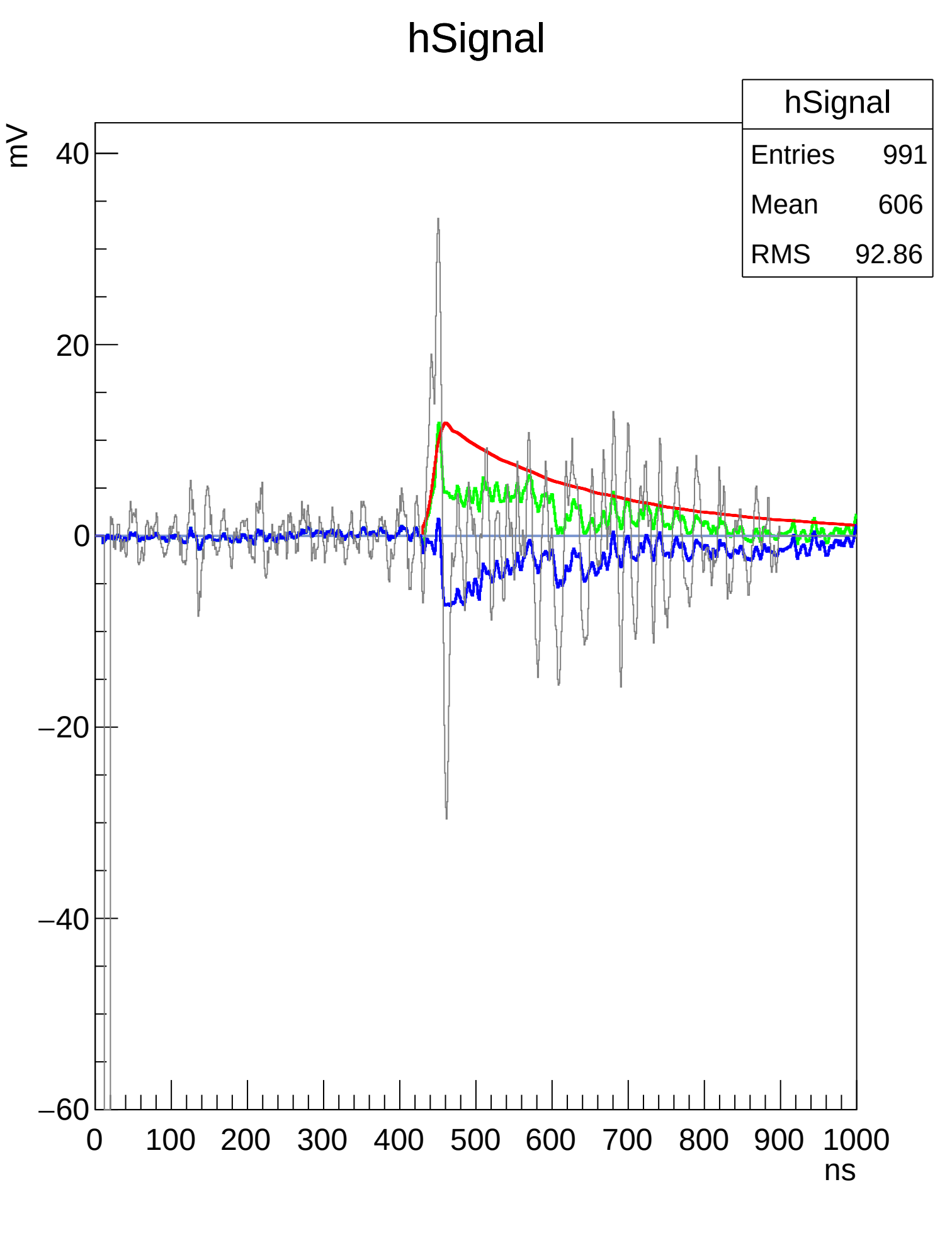
1000
ns


hSignal
hSignal
Entries 991
Mean 606
RMS 92.86
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−20
−40
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0
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200
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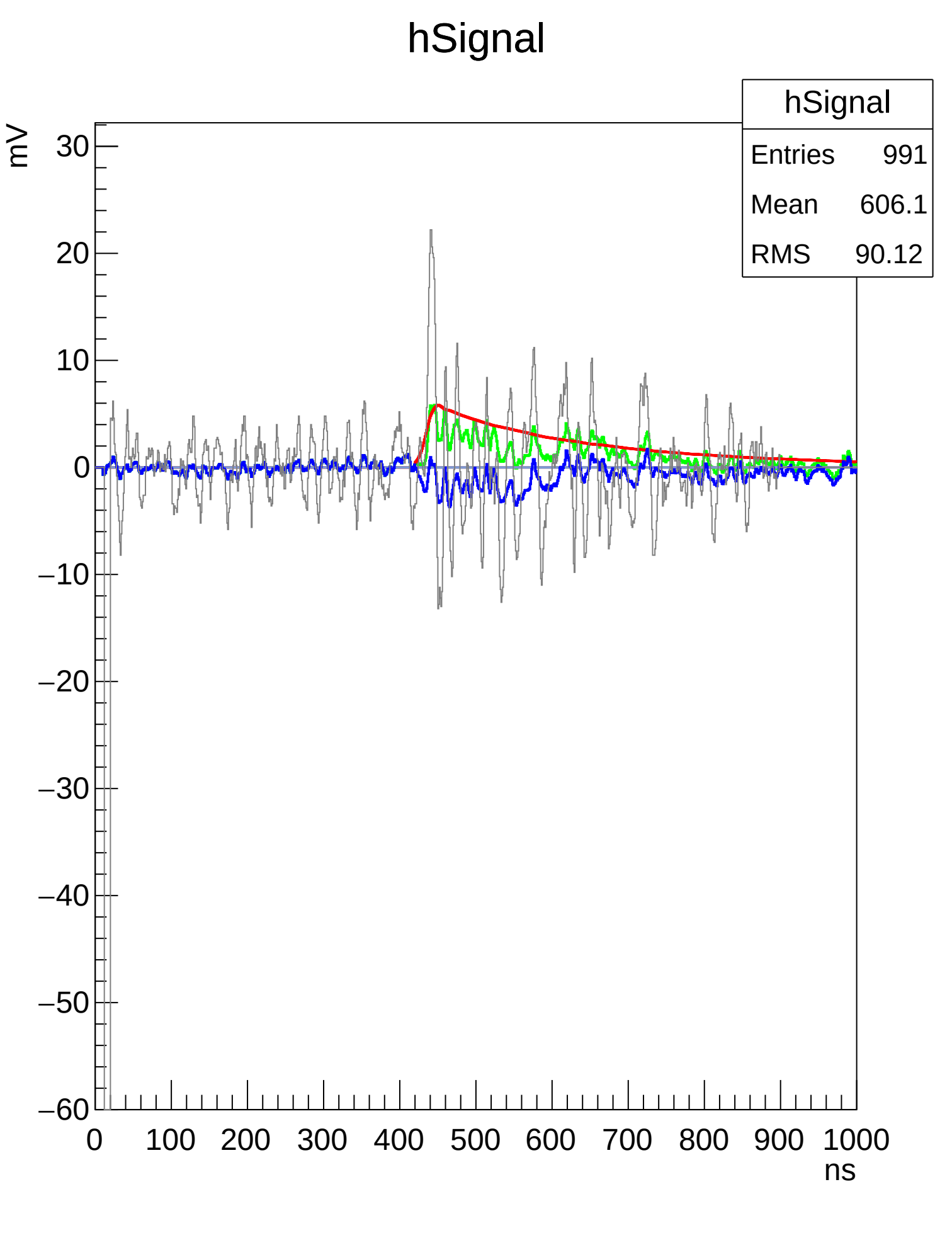
1000
ns


hSignal
hSignal
Entries 991
Mean 606.1
RMS 90.12
mV
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10
0
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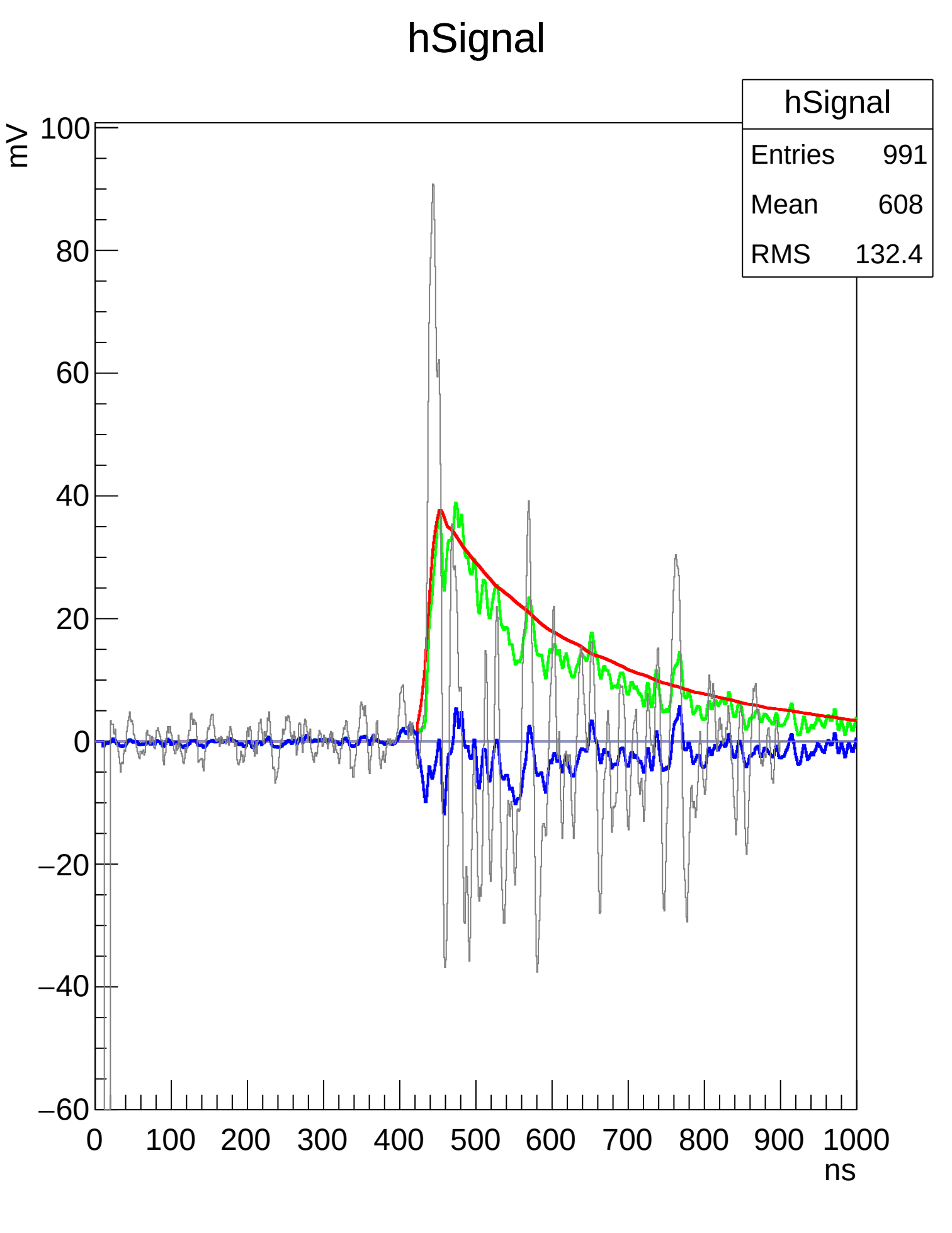
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608
RMS 132.4
mV
100
80
60
40
20
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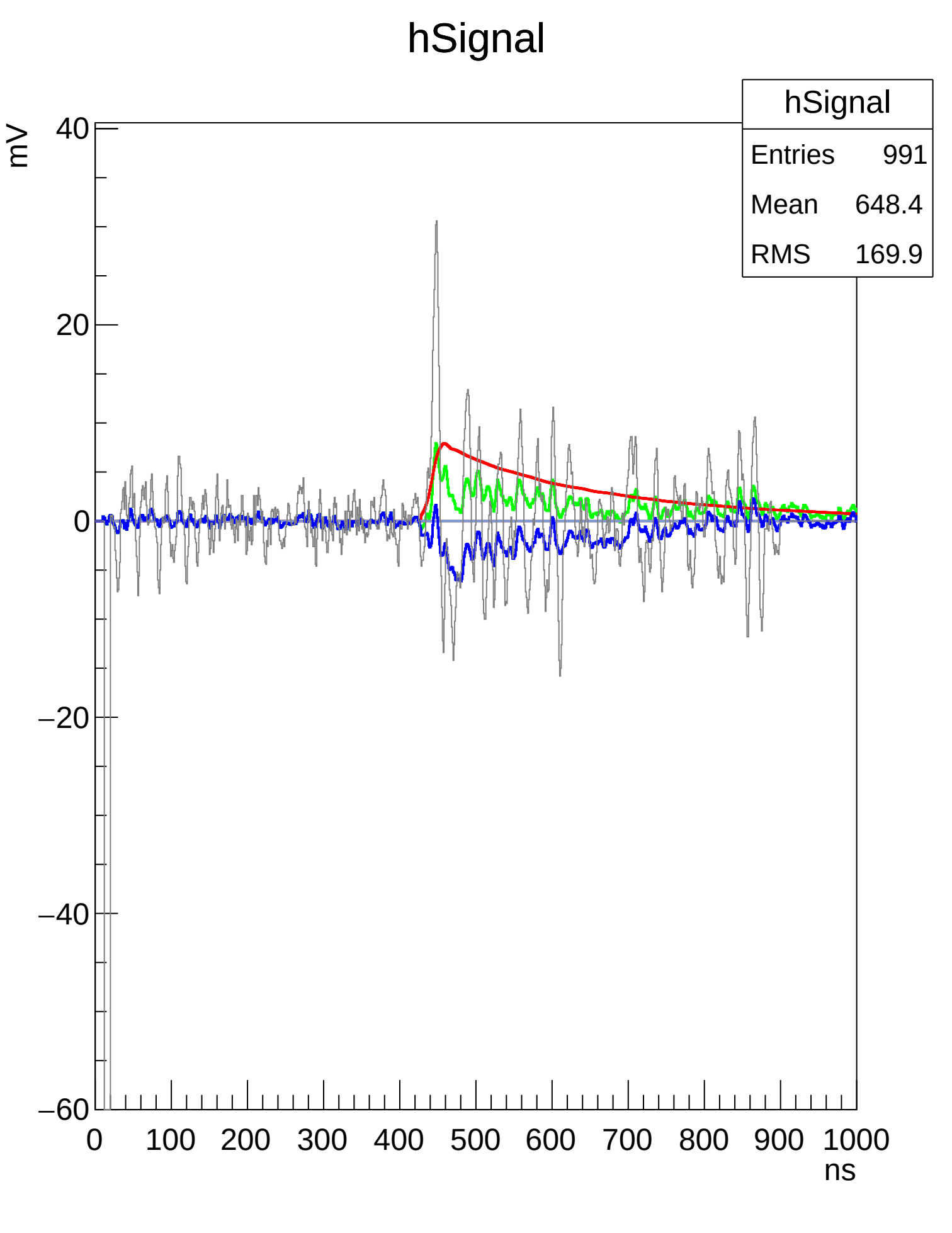
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 648.4
RMS 169.9
mV
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20
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−20
−40
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0
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200
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400
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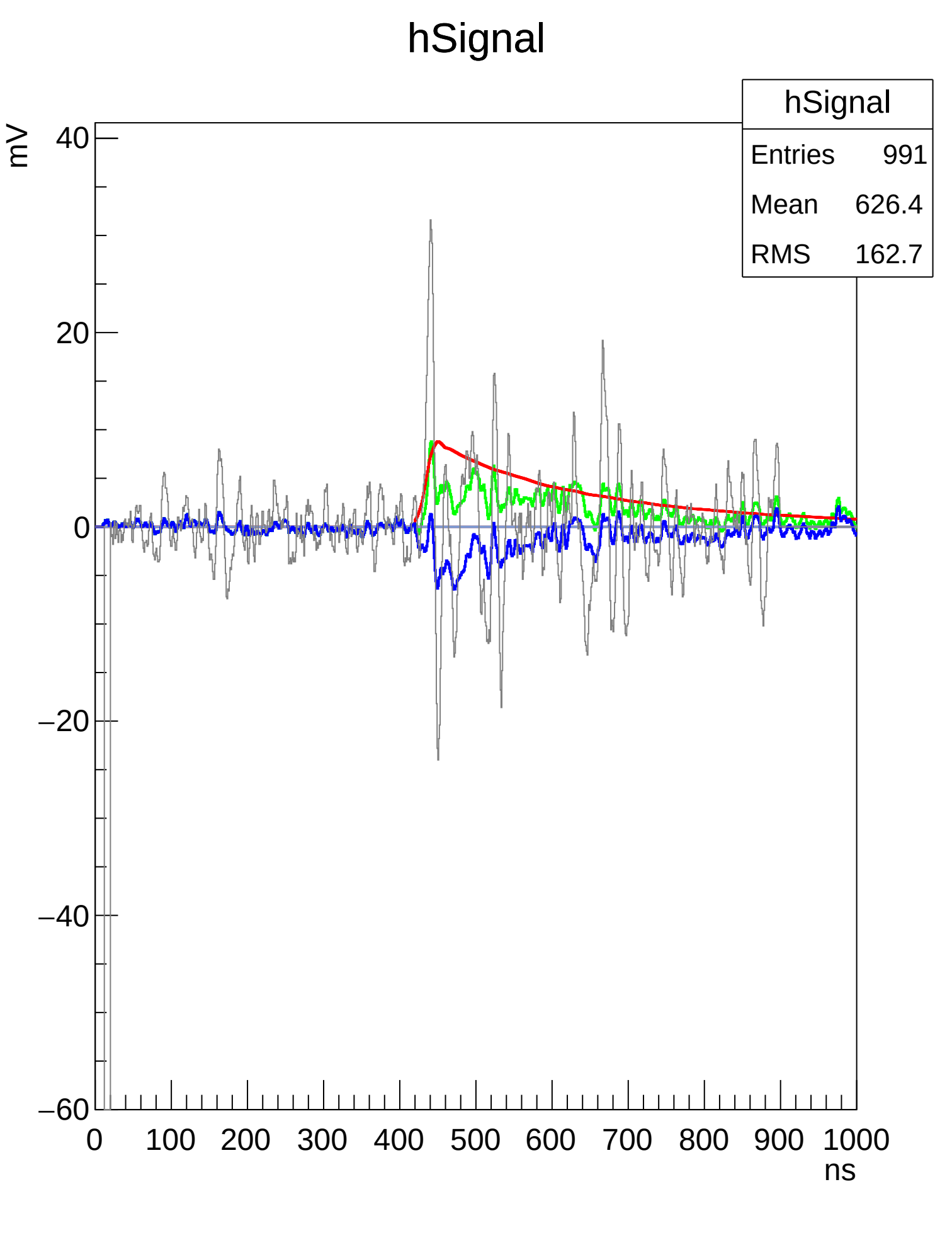
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 626.4
RMS 162.7
mV
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−20
−40
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0
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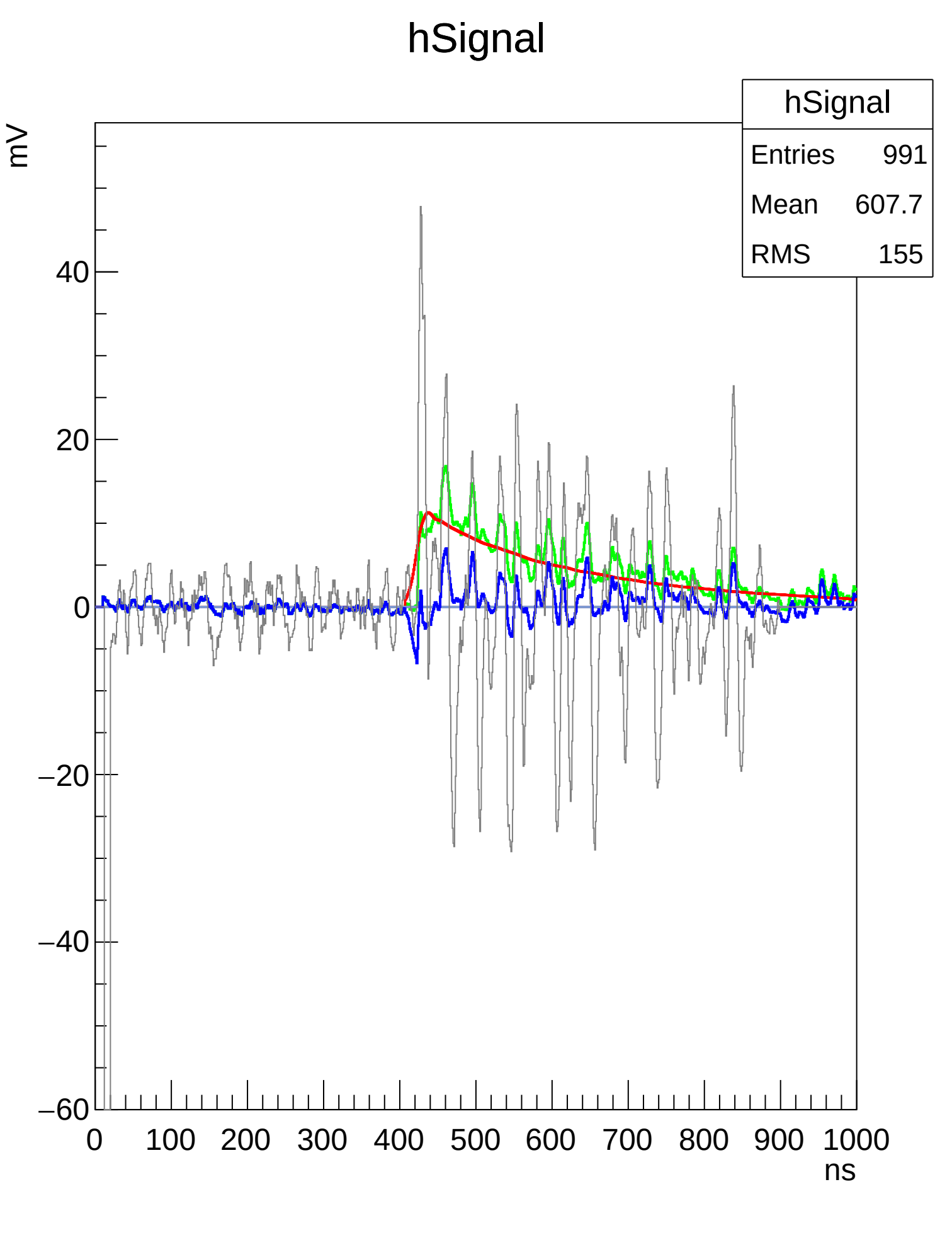
1000
ns


hSignal
hSignal
Entries 991
Mean 607.7
RMS 155
mV
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−20
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0
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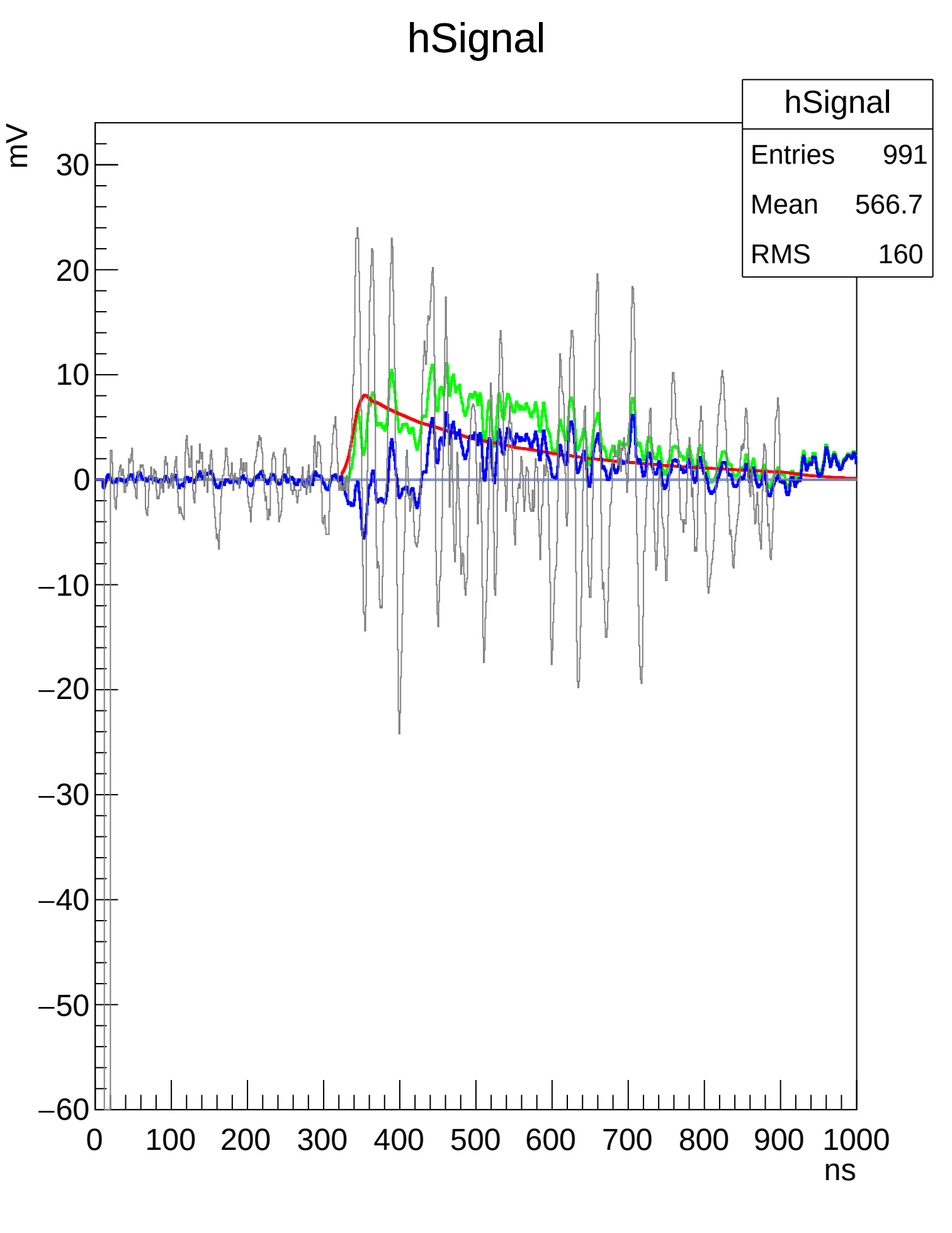
1000
ns


hSignal
hSignal
Entries 991
Mean 566.7
RMS 160
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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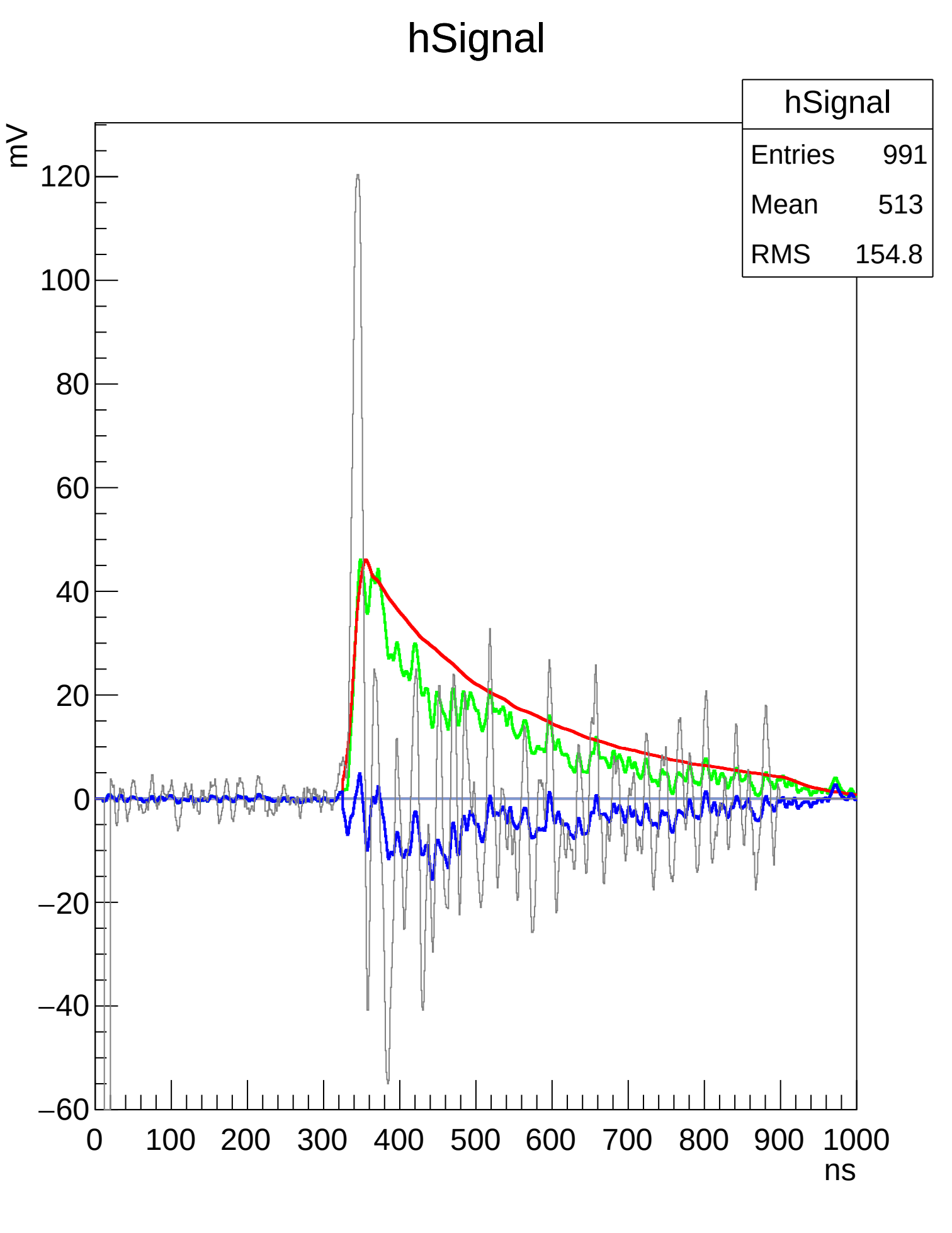
1000
ns


hSignal
hSignal
Entries 991
Mean 513
RMS 154.8
mV
120
100
80
60
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0
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400
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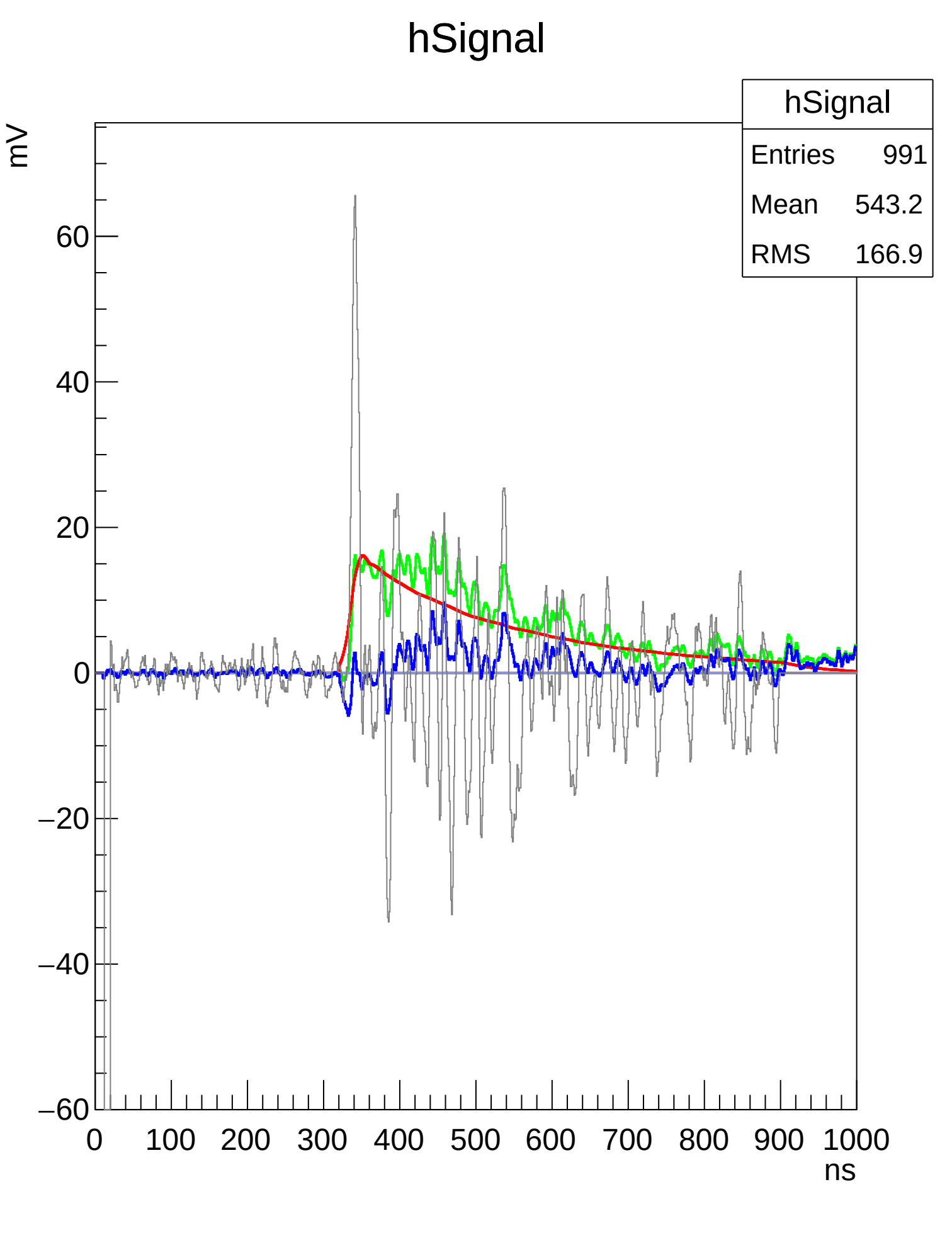
1000
ns


hSignal
hSignal
Entries 991
Mean 543.2
RMS 166.9
mV
60
40
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0
−20
−40
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0
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200
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400
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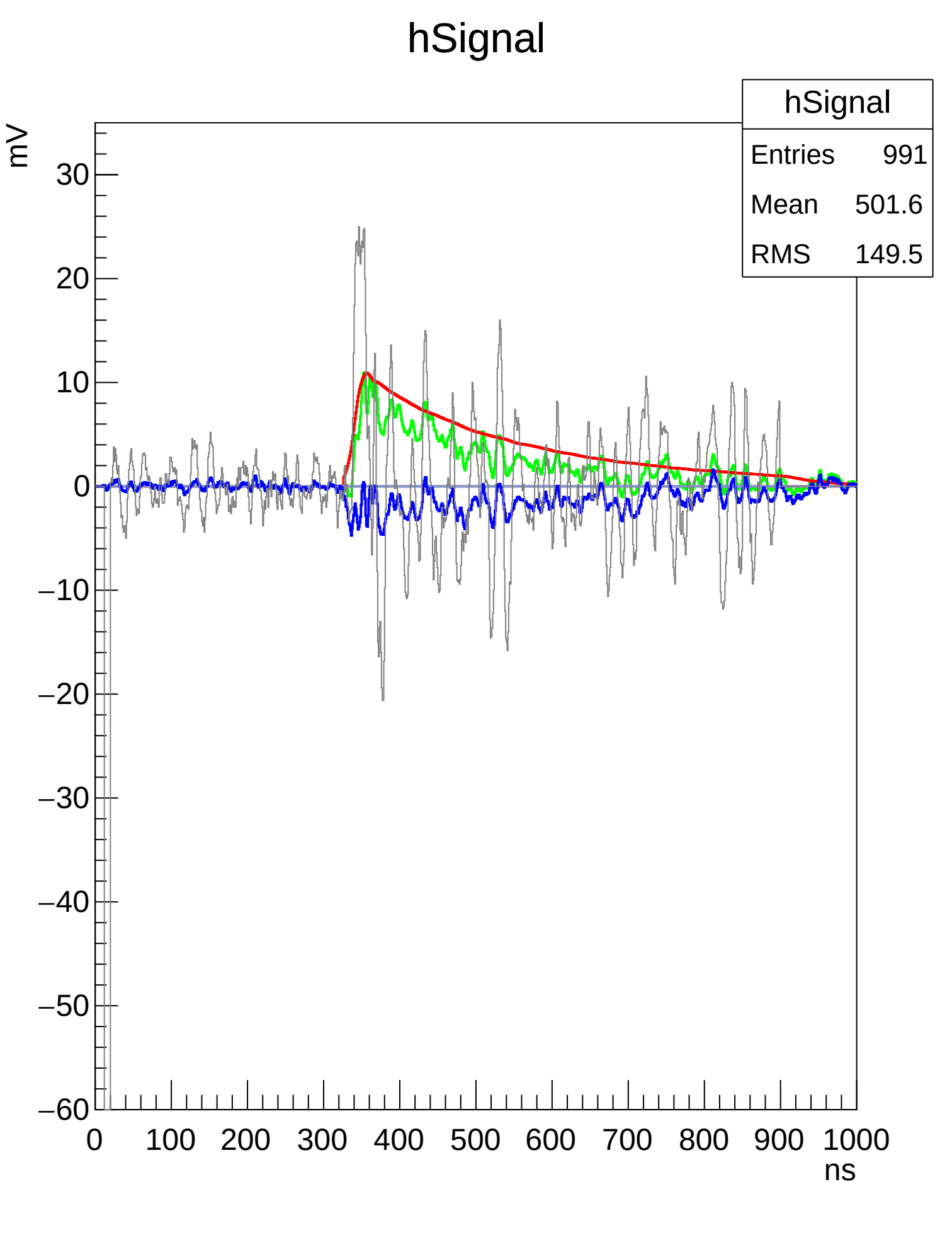
1000
ns


hSignal
hSignal
Entries 991
Mean 501.6
RMS 149.5
mV
30
20
10
0
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−50
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0
100
200
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400
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800
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1000
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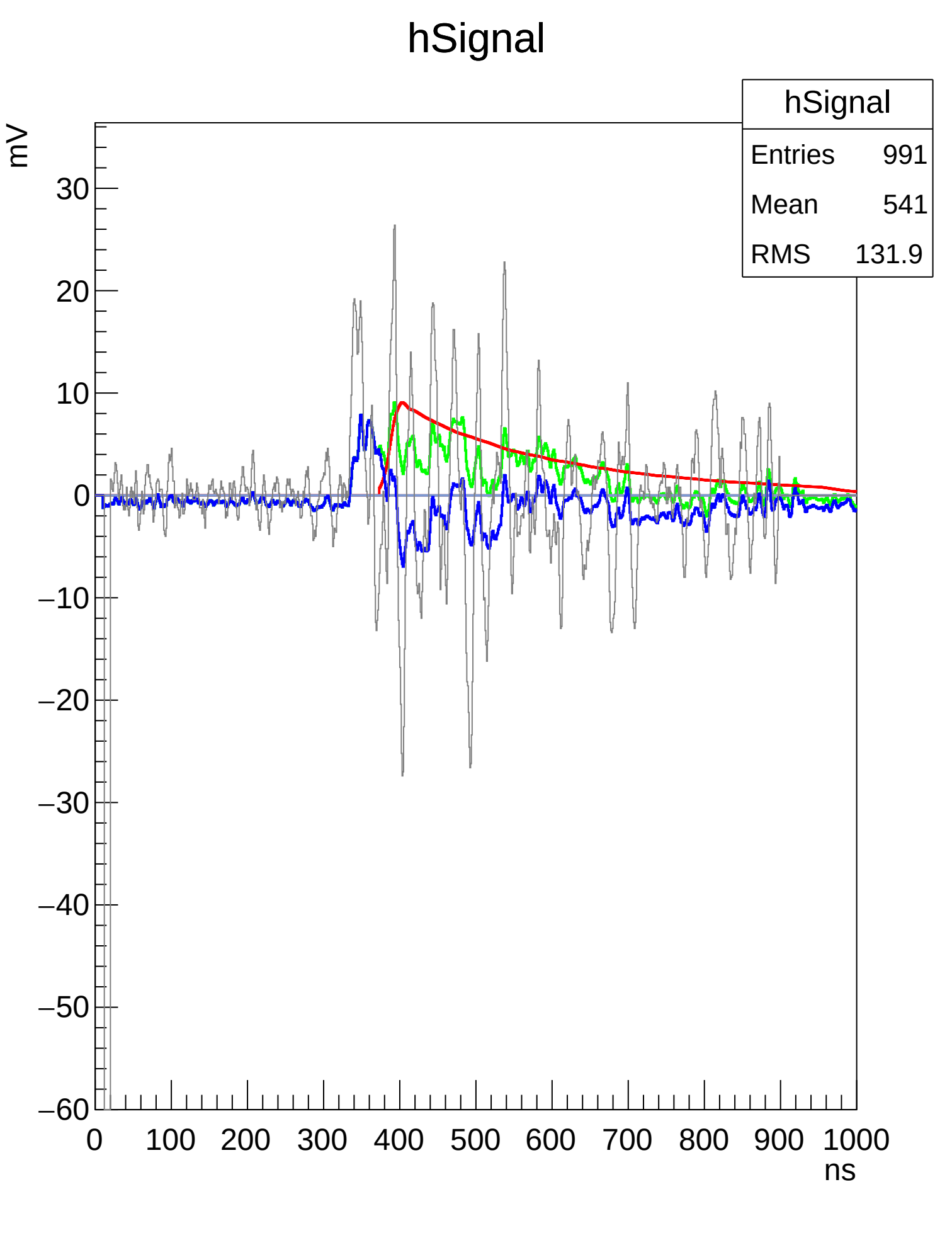
hSignal
hSignal
Entries 991
Mean 541
RMS 131.9
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
500
600
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800
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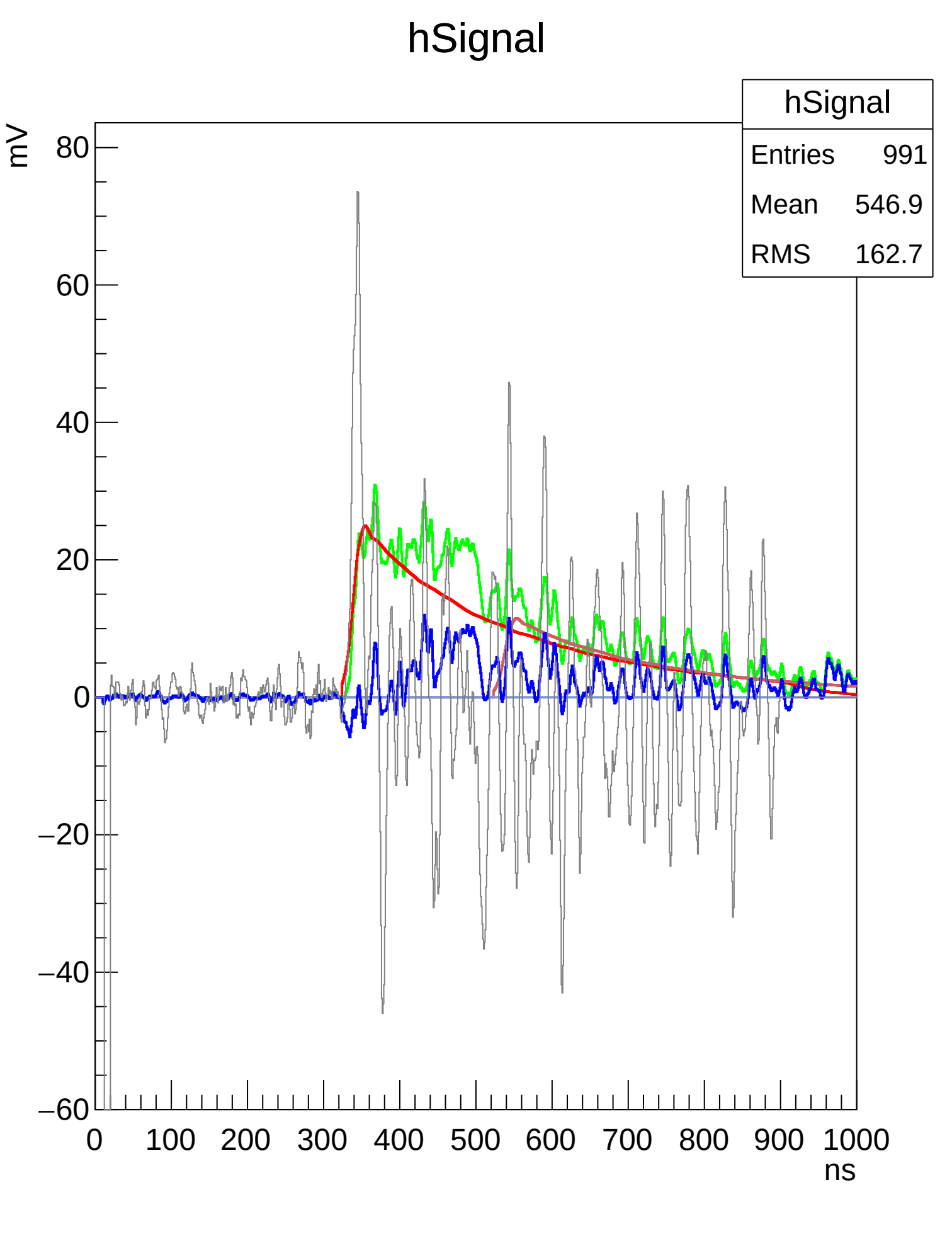
1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 162.7
mV
80
60
40
20
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−20
−40
−60
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600
700
800
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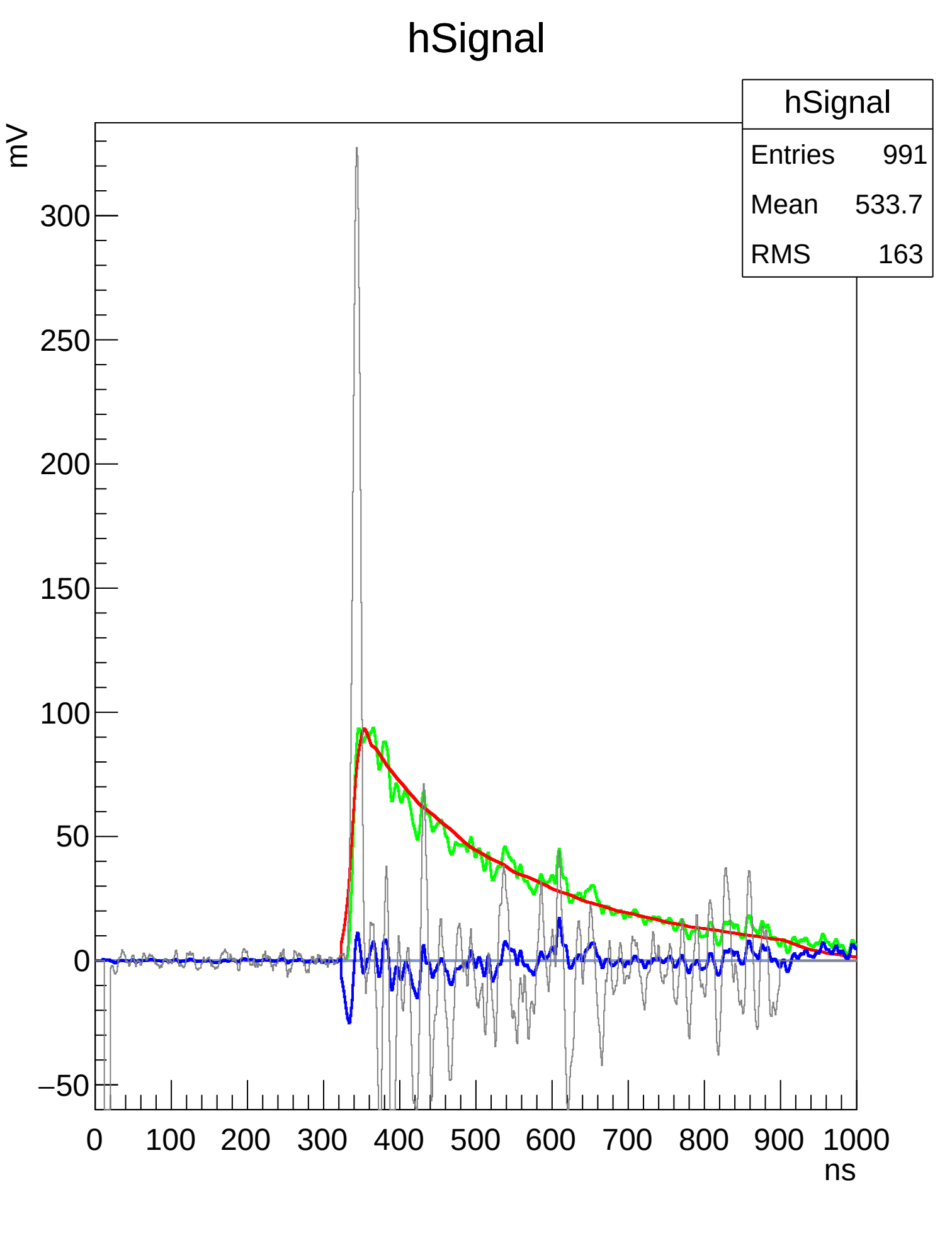
1000
ns


hSignal
hSignal
Entries 991
Mean 533.7
RMS 163
mV
300
250
200
150
100
50
0
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0
100
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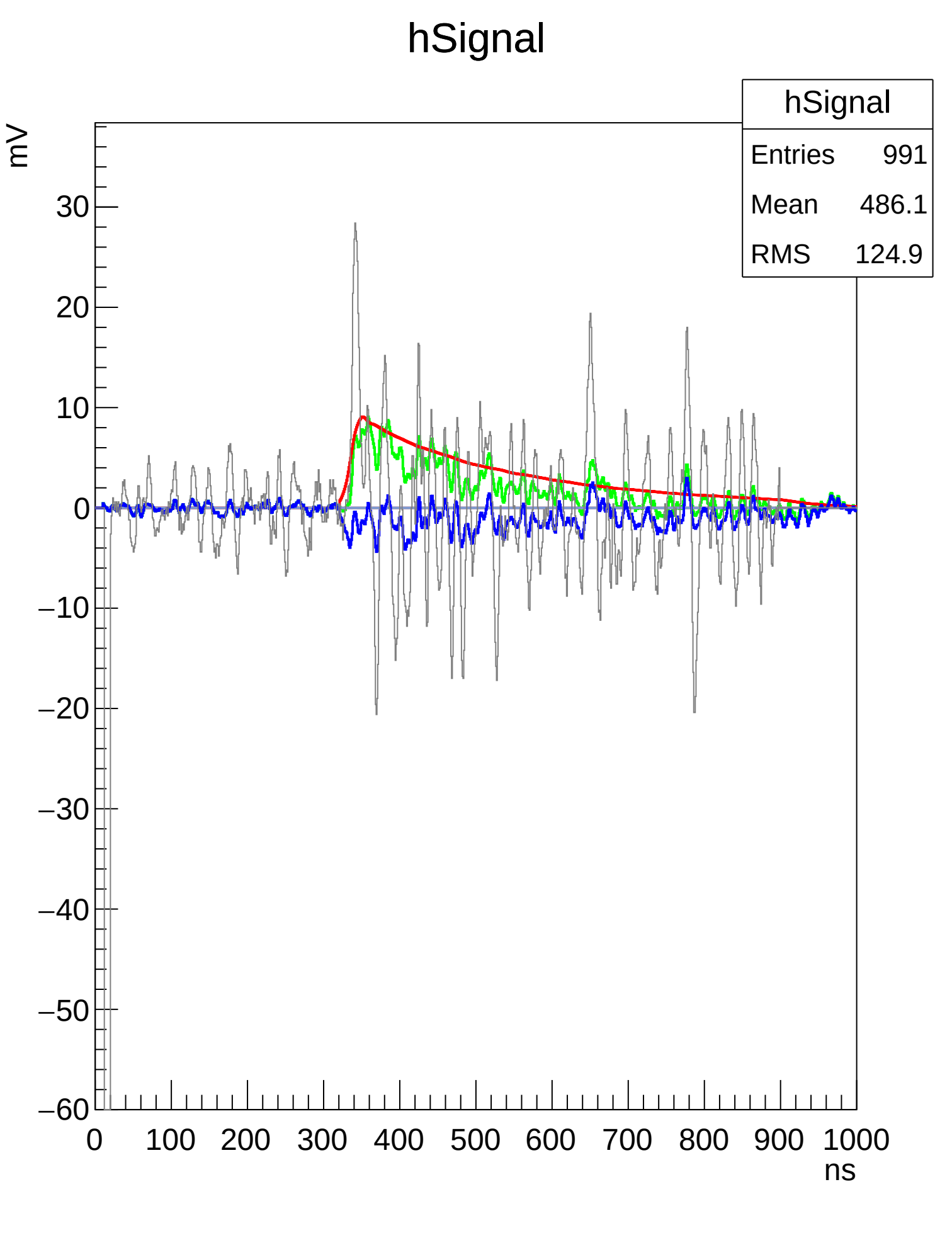
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.1
RMS 124.9
mV
30
20
10
0
−10
−20
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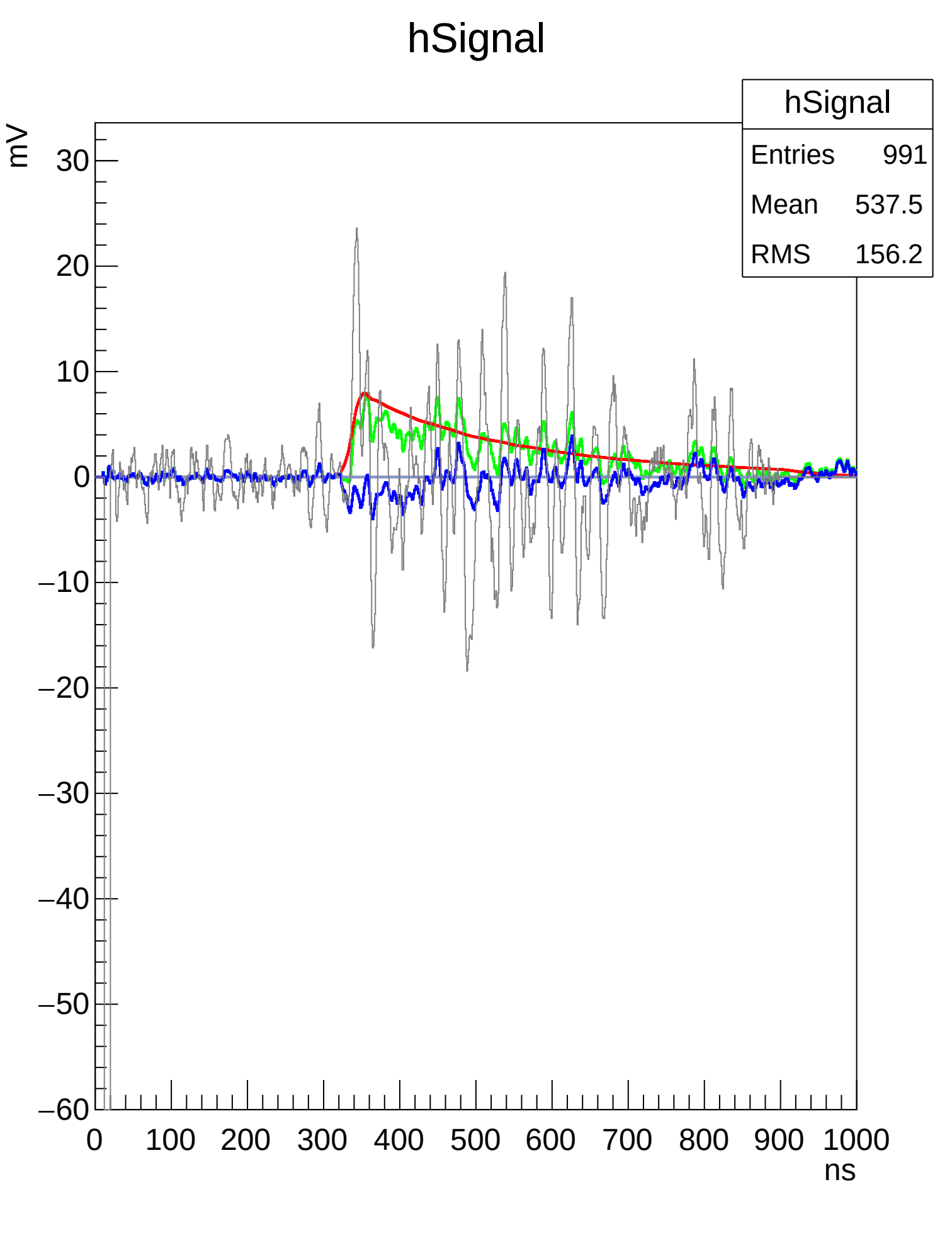
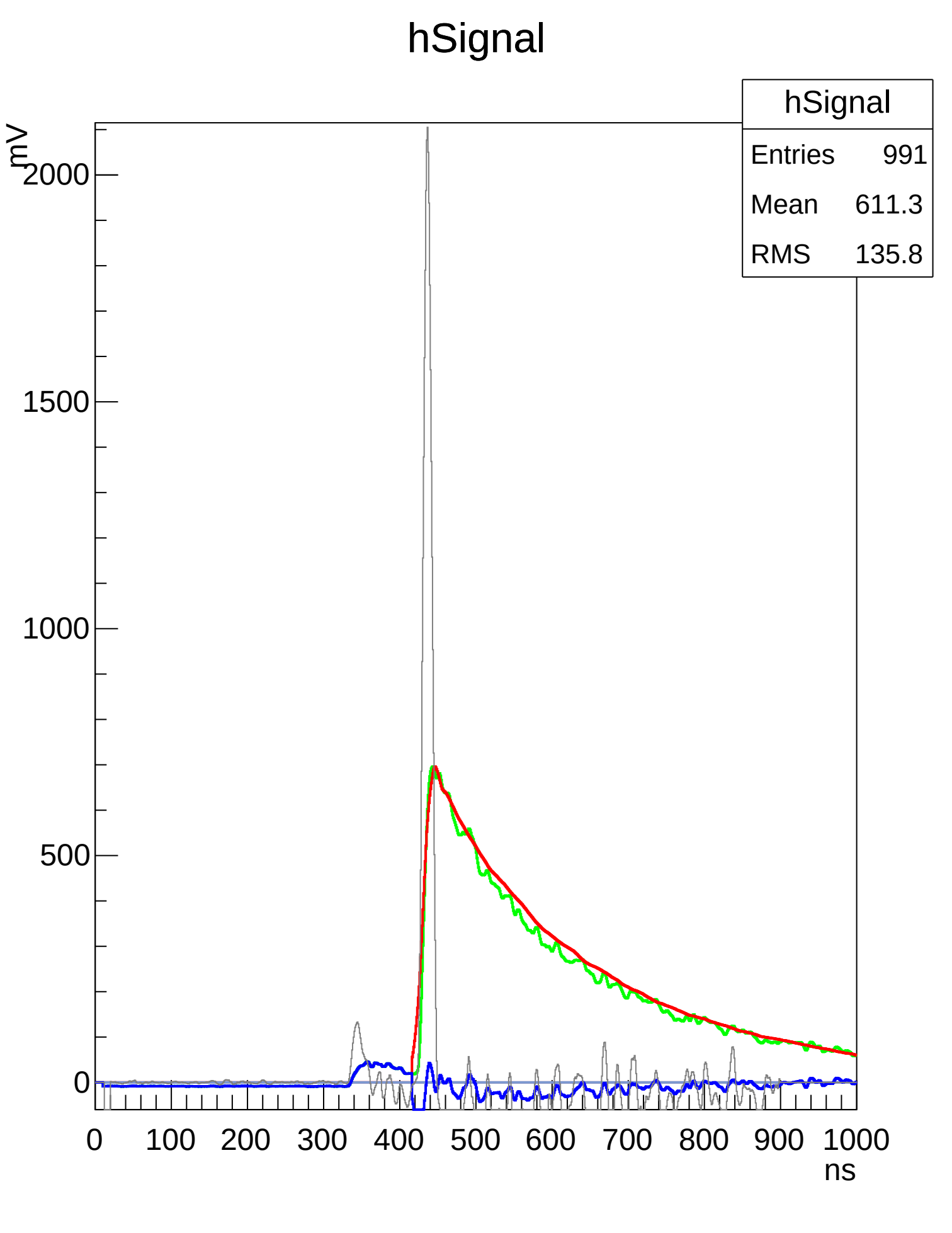
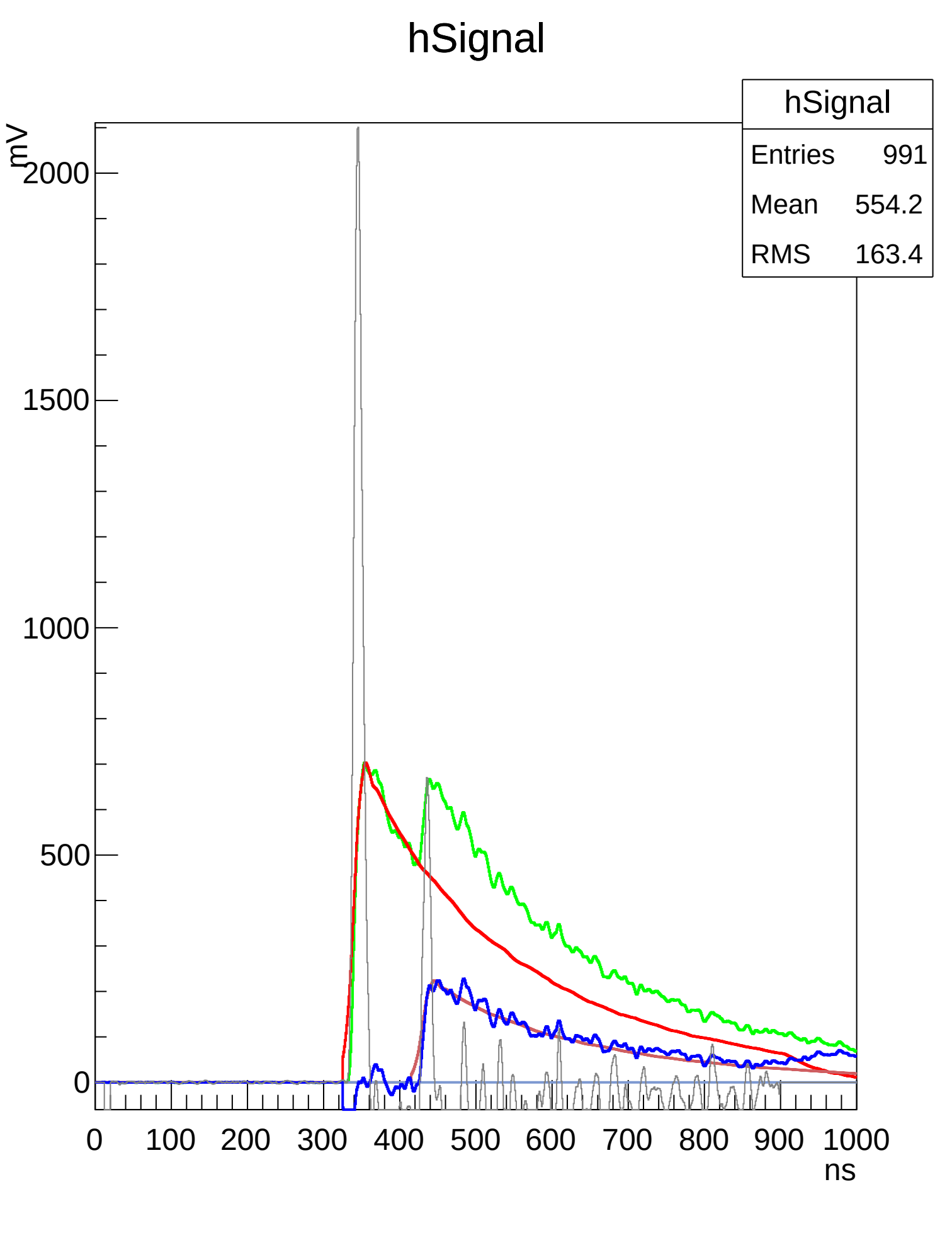
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.5
RMS 156.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.3
RMS 135.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 554.2
RMS 163.4
mV
2000
1500
1000
500
0
0
100
200
300
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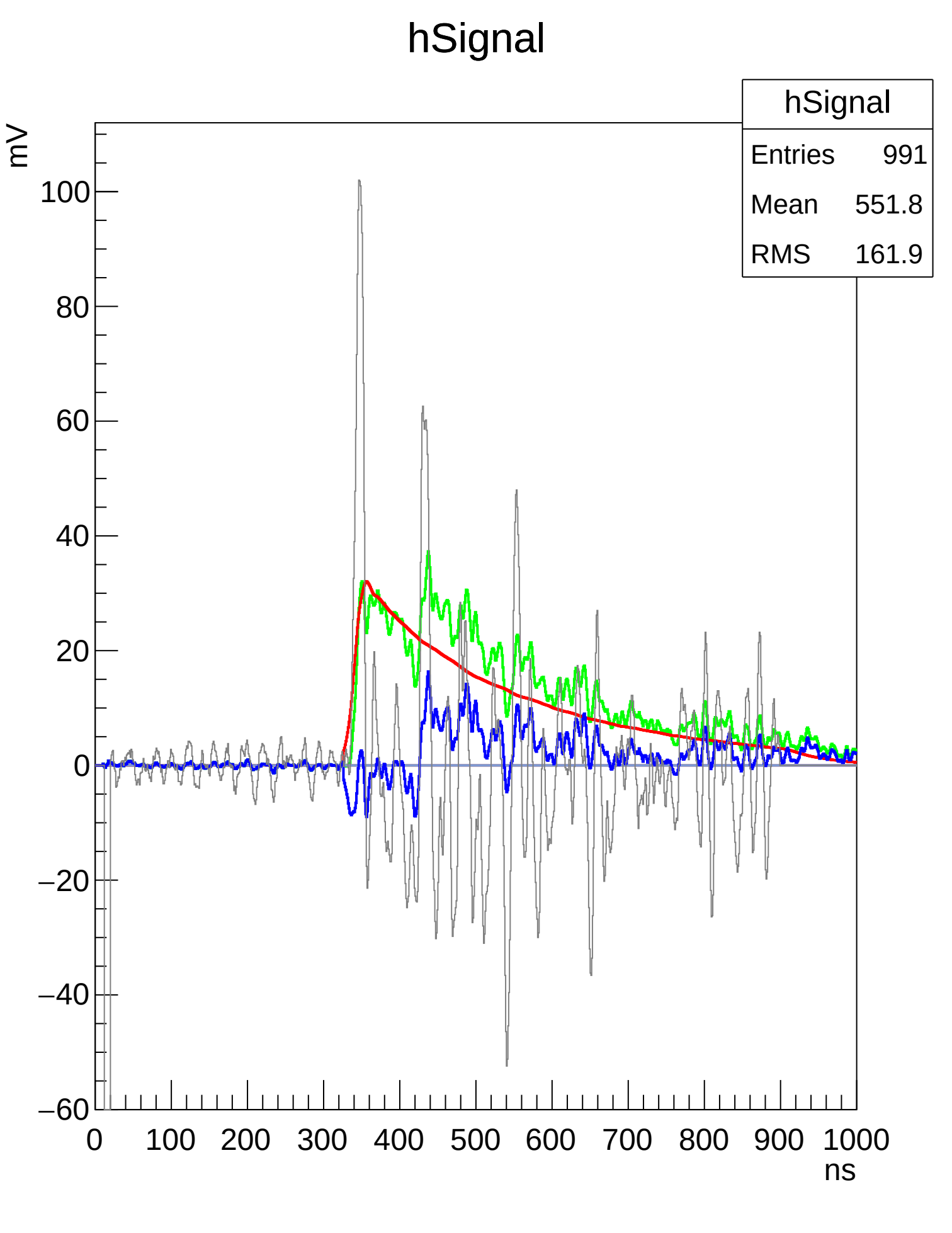
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.8
RMS 161.9
mV
100
80
60
40
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−20
−40
−60
0
100
200
300
400
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600
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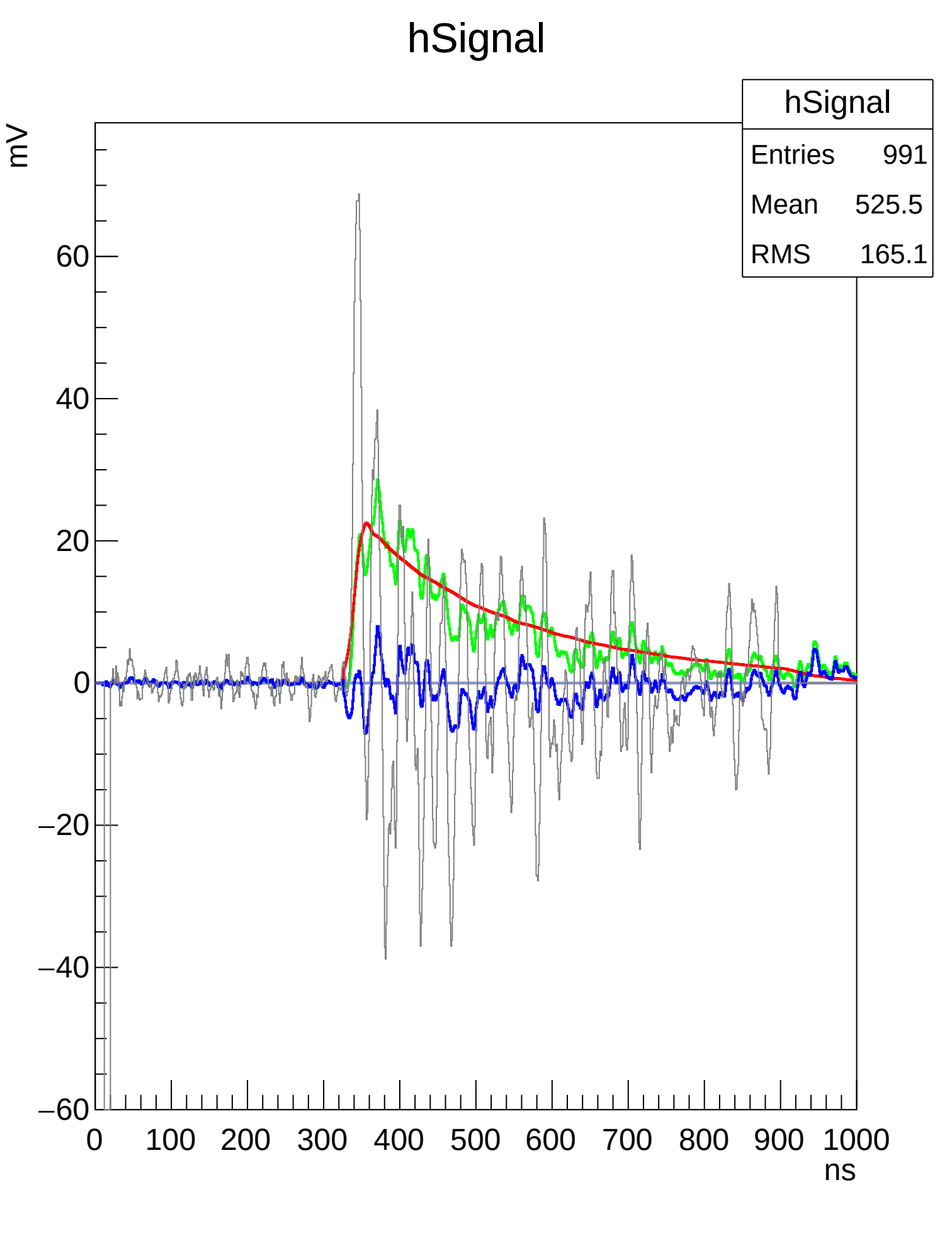
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.5
RMS 165.1
mV
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40
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−20
−40
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0
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200
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400
500
600
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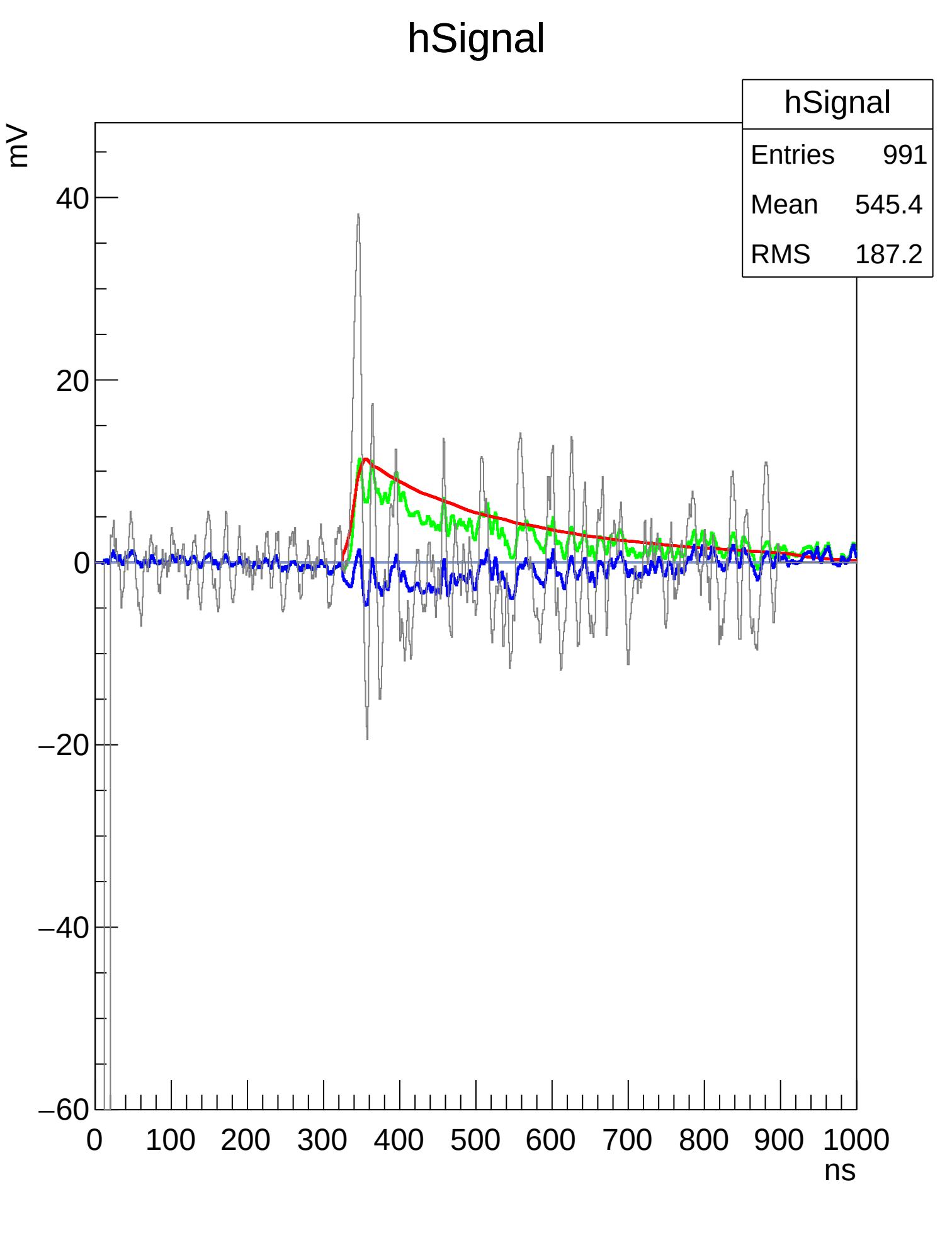
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.4
RMS 187.2
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−20
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0
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1000
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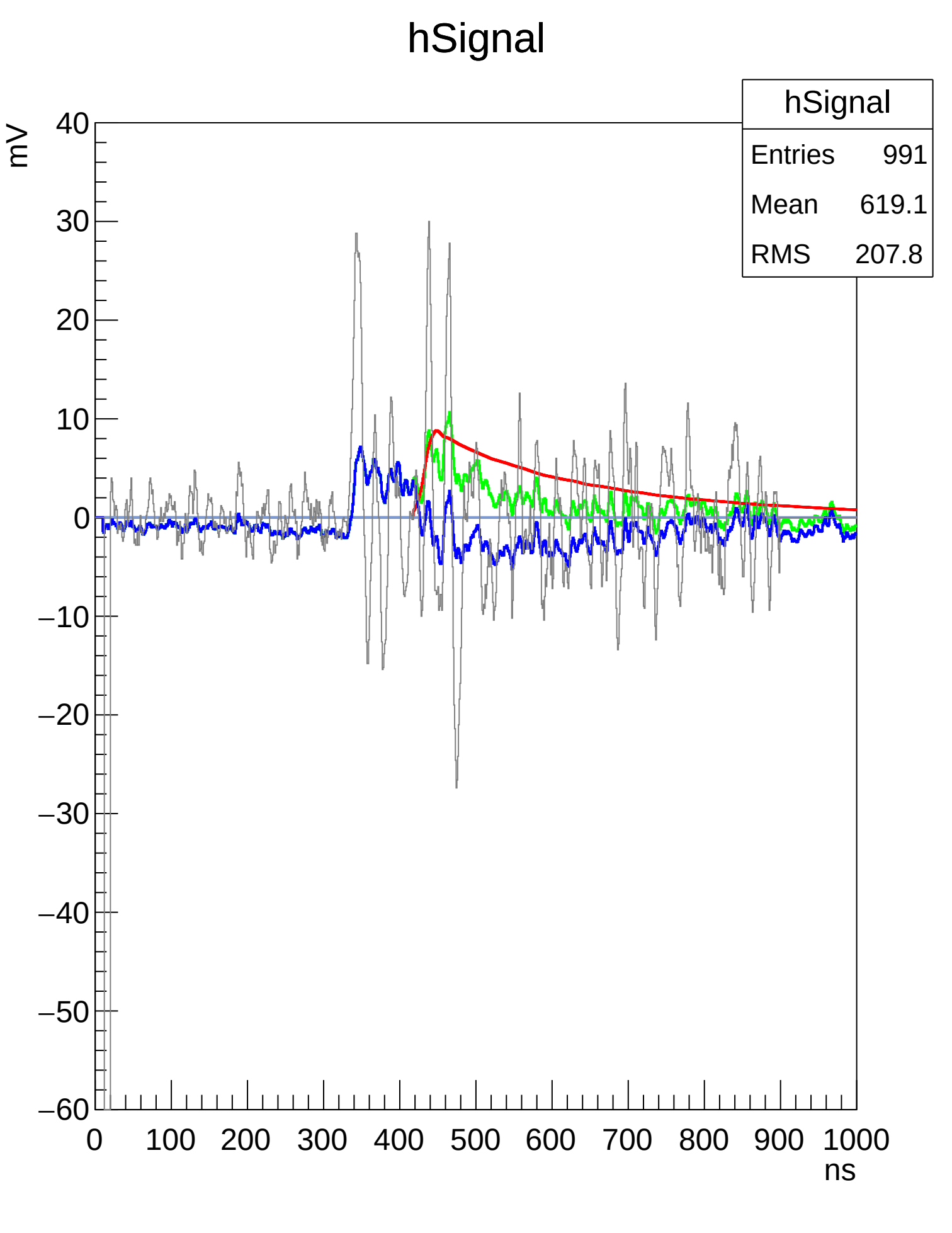
hSignal
hSignal
Entries 991
Mean 619.1
RMS 207.8
mV
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10
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1000
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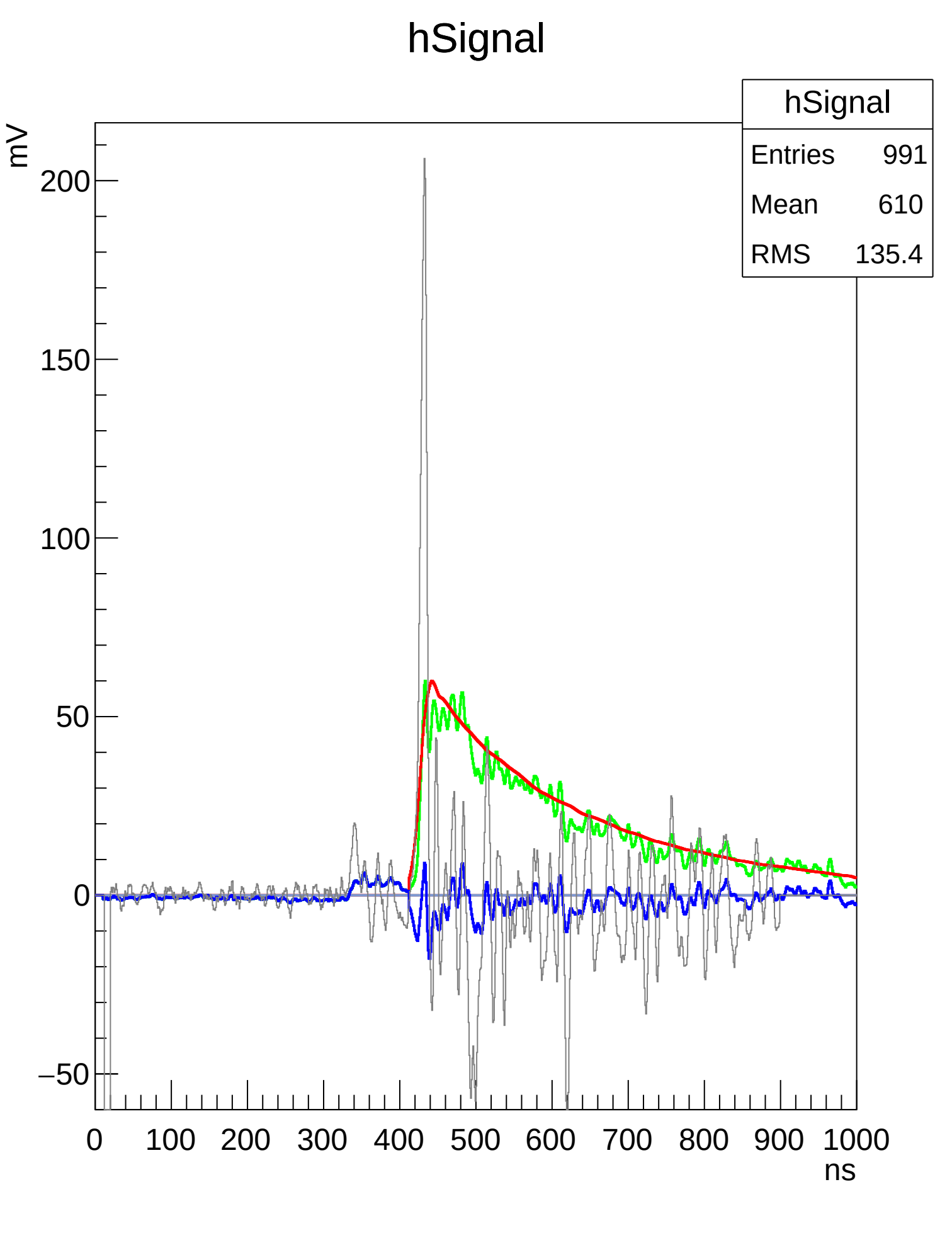
hSignal
hSignal
Entries 991
Mean 610
RMS 135.4
mV
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50
0
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800
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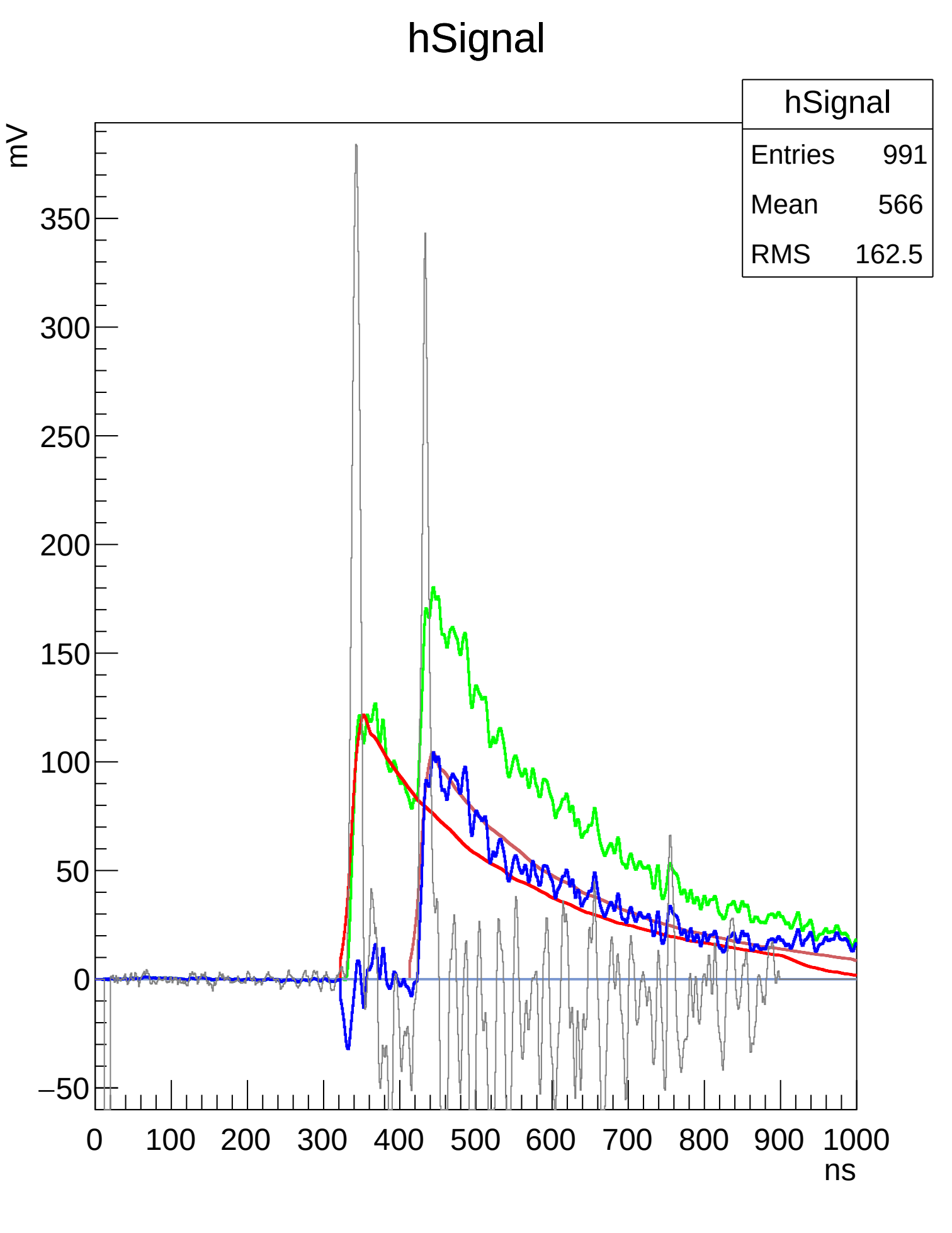
hSignal
hSignal
Entries 991
Mean 566
RMS 162.5
mV
350
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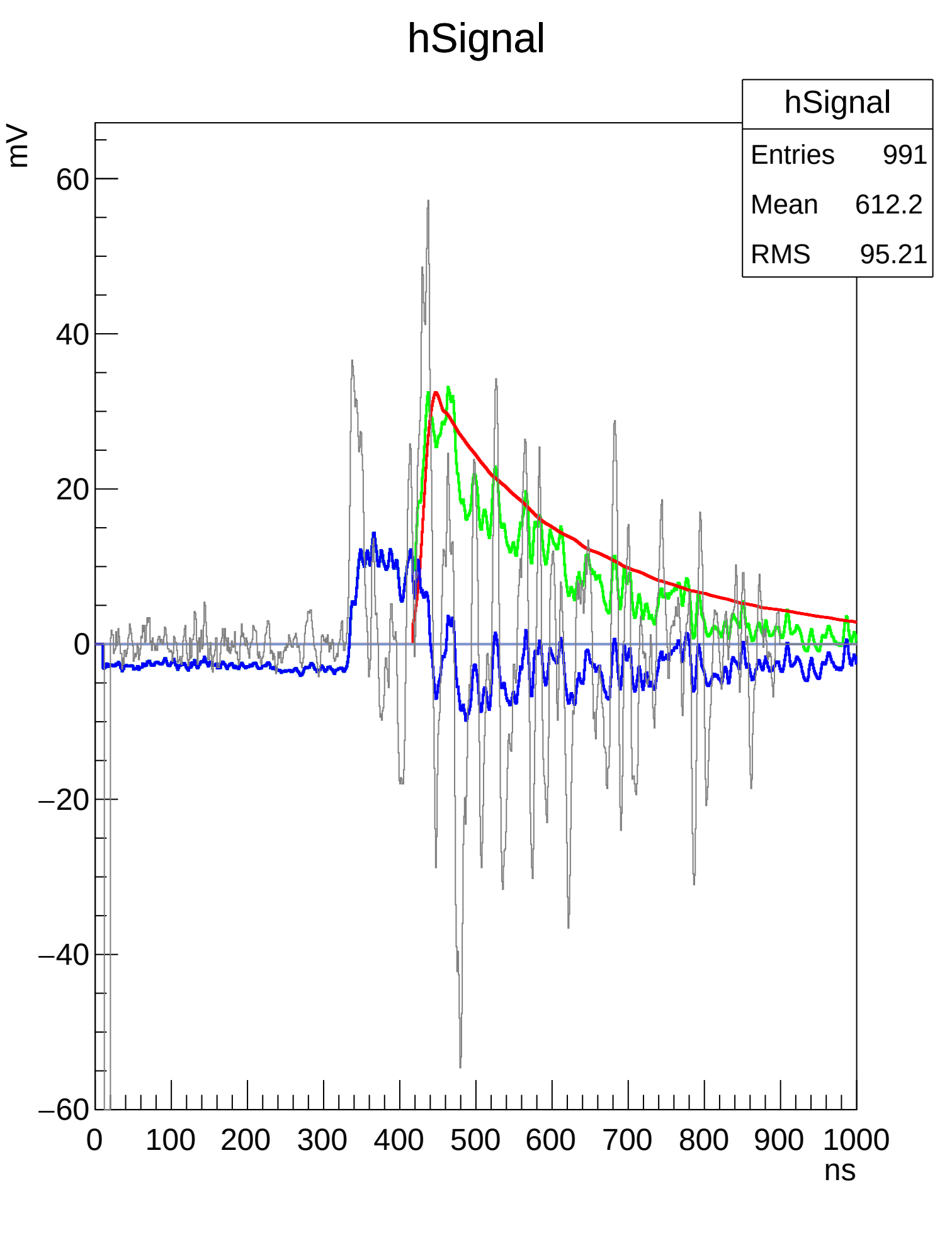
hSignal
hSignal
Entries 991
Mean 612.2
RMS 95.21
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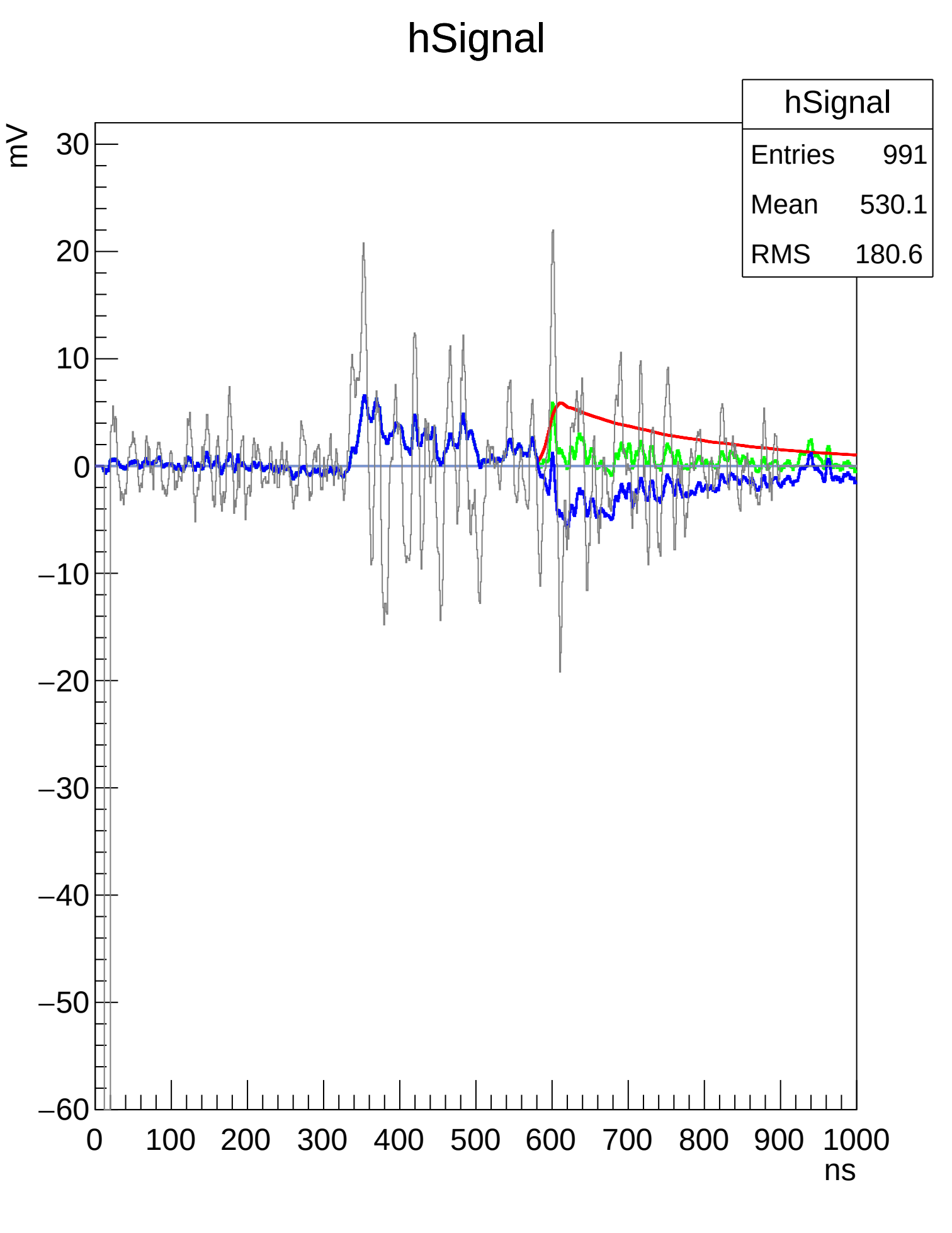
hSignal
hSignal
Entries 991
Mean 530.1
RMS 180.6
mV
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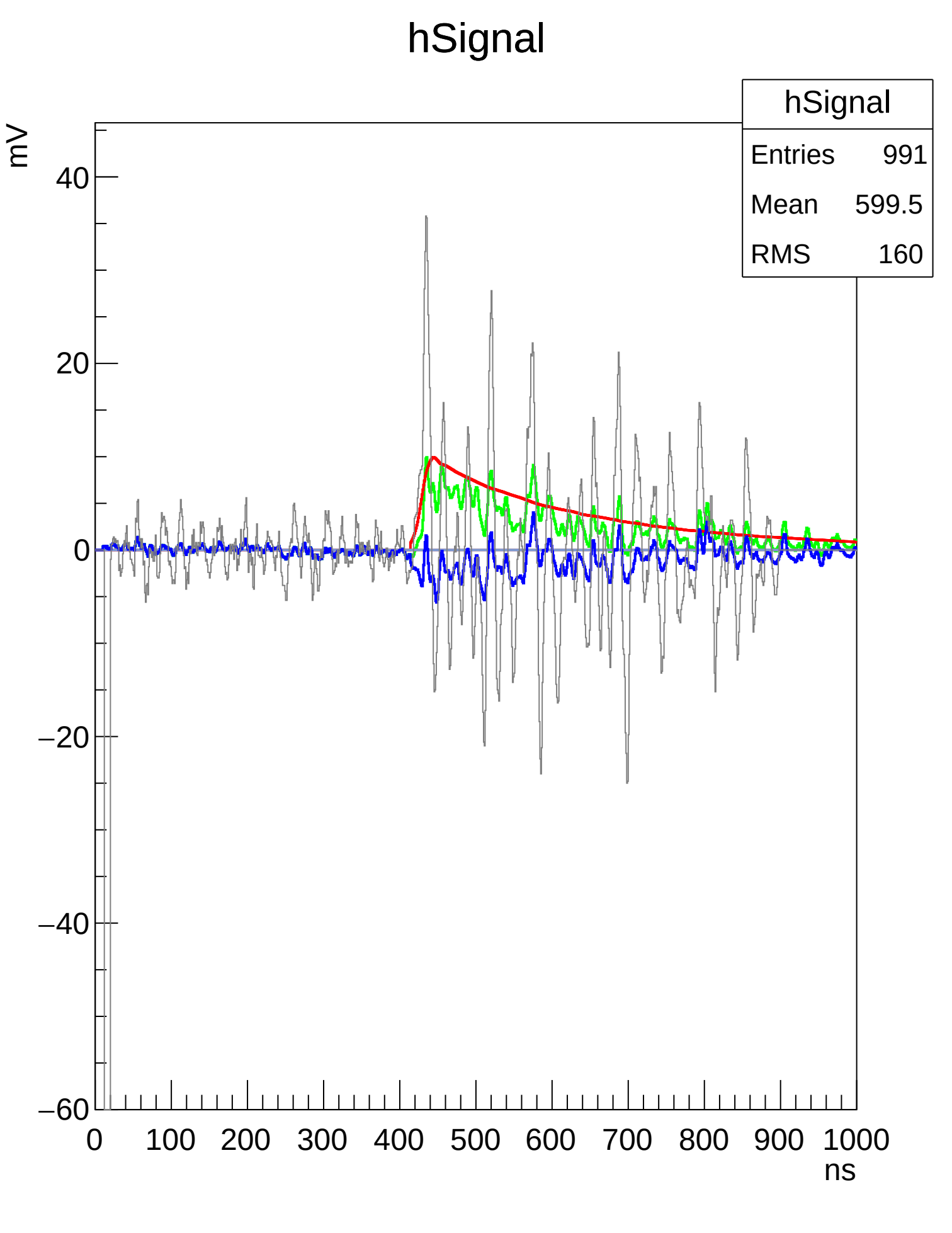
hSignal
hSignal
Entries 991
Mean 599.5
RMS 160
mV
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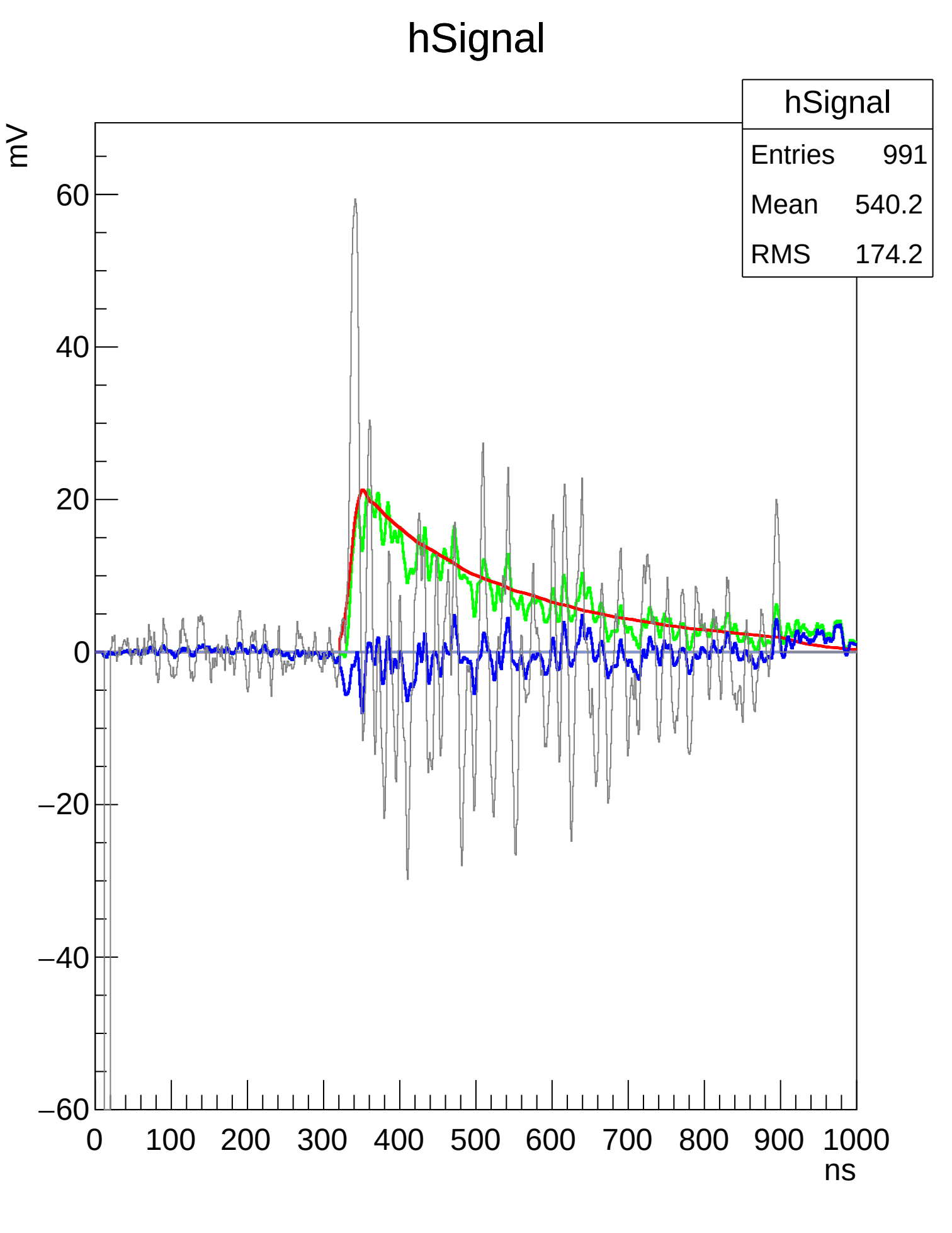
hSignal
hSignal
Entries 991
Mean 540.2
RMS 174.2
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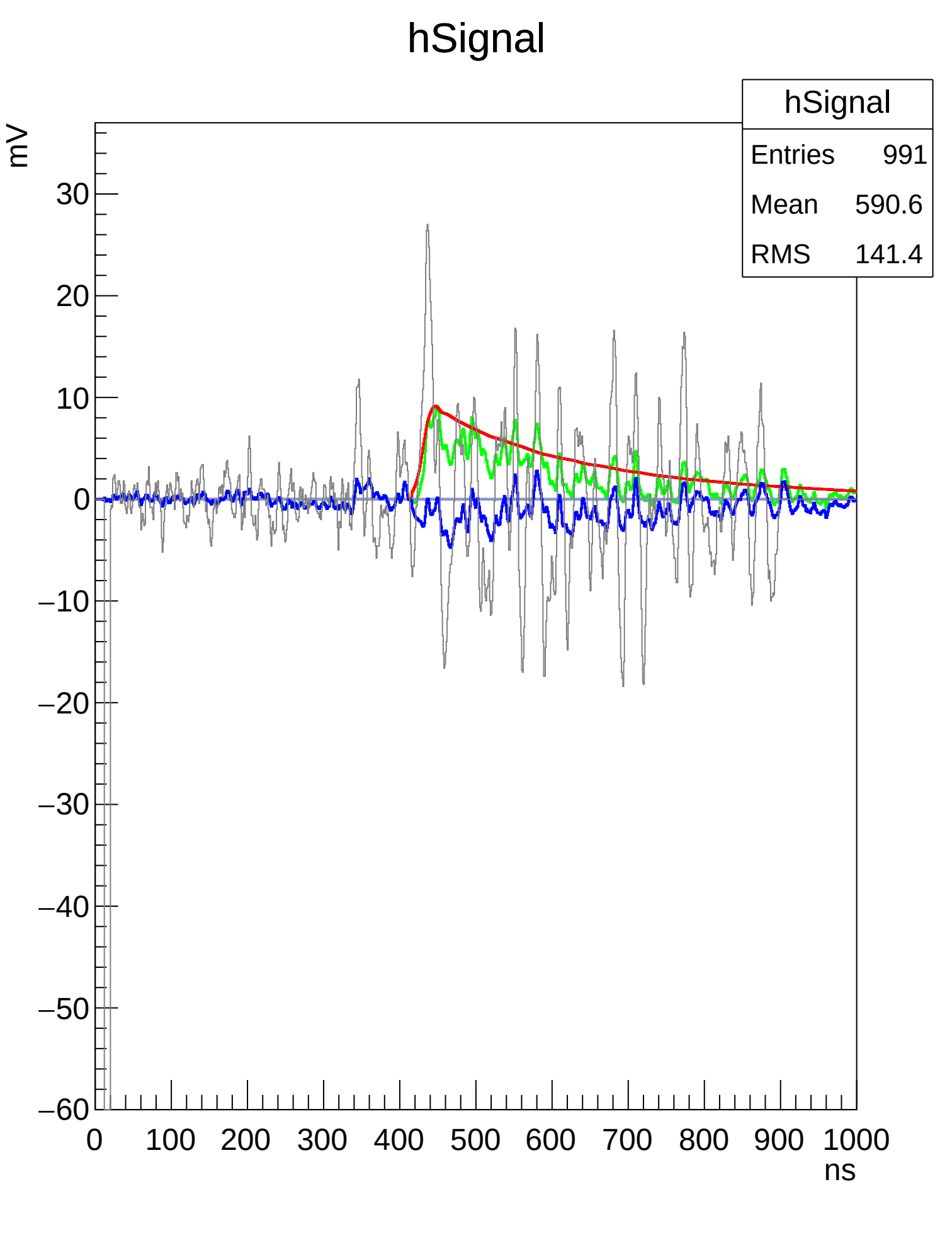
hSignal
hSignal
Entries 991
Mean 590.6
RMS 141.4
mV
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0
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1000
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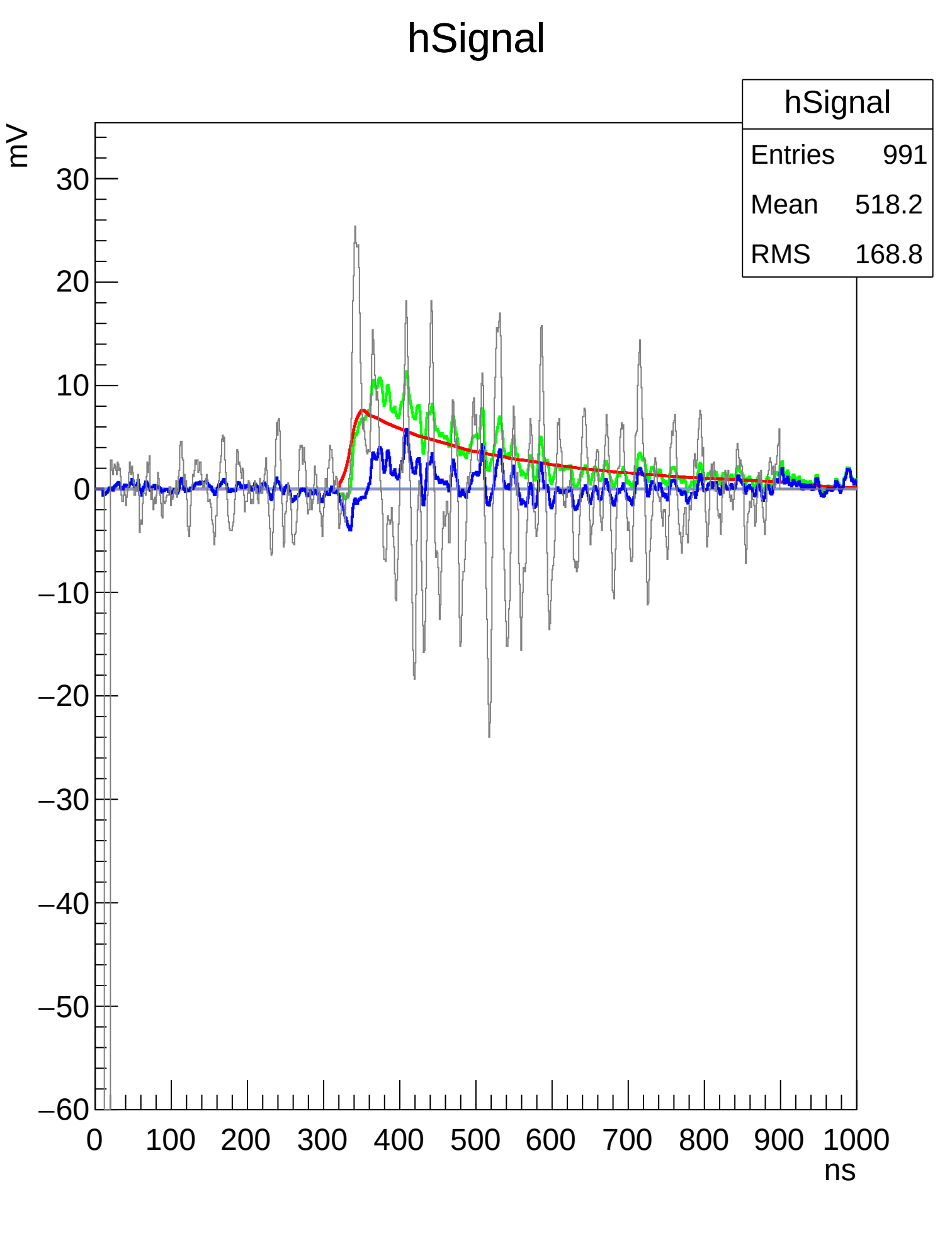
hSignal
hSignal
Entries 991
Mean 518.2
RMS 168.8
mV
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10
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400
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800
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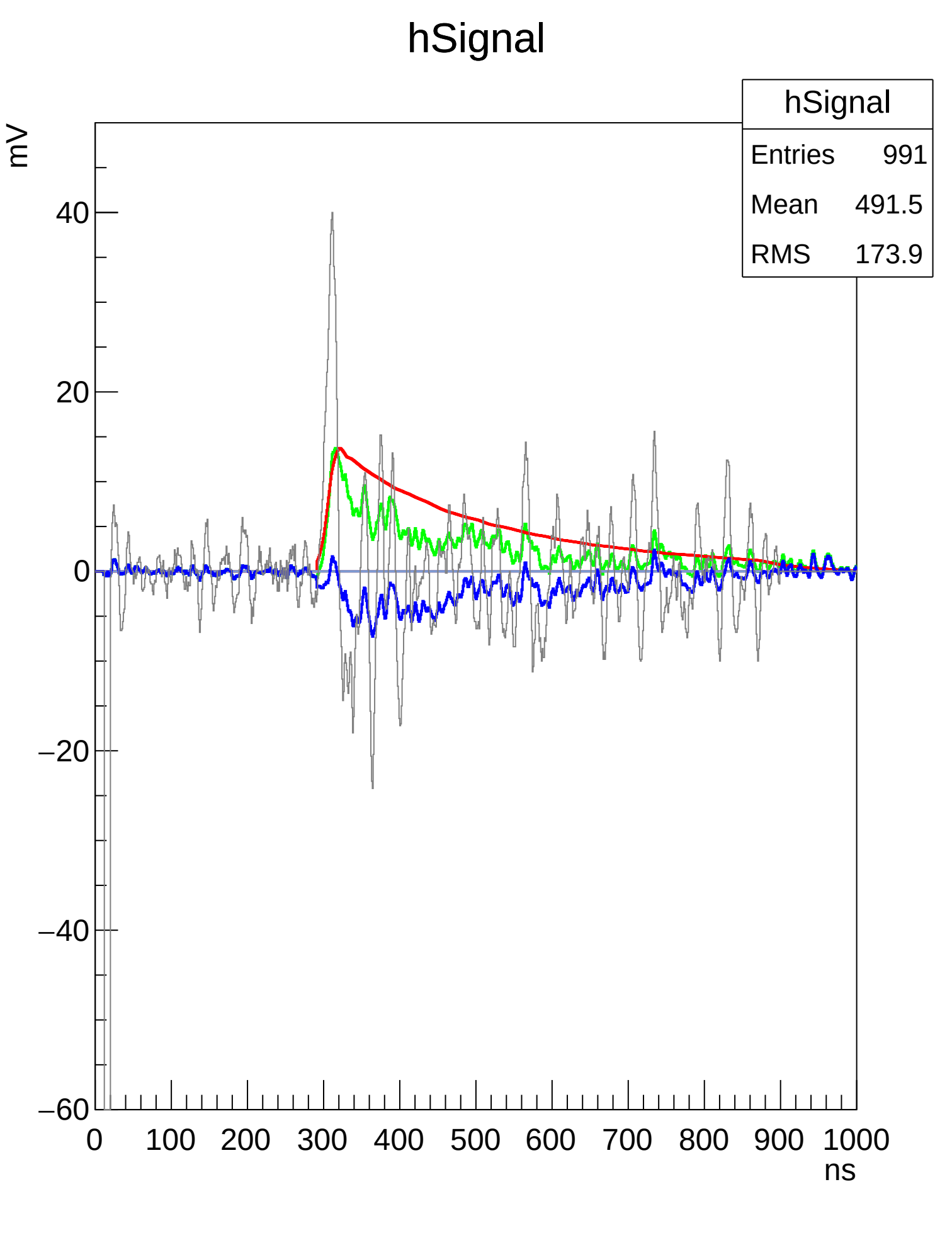
hSignal
hSignal
Entries 991
Mean 491.5
RMS 173.9
mV
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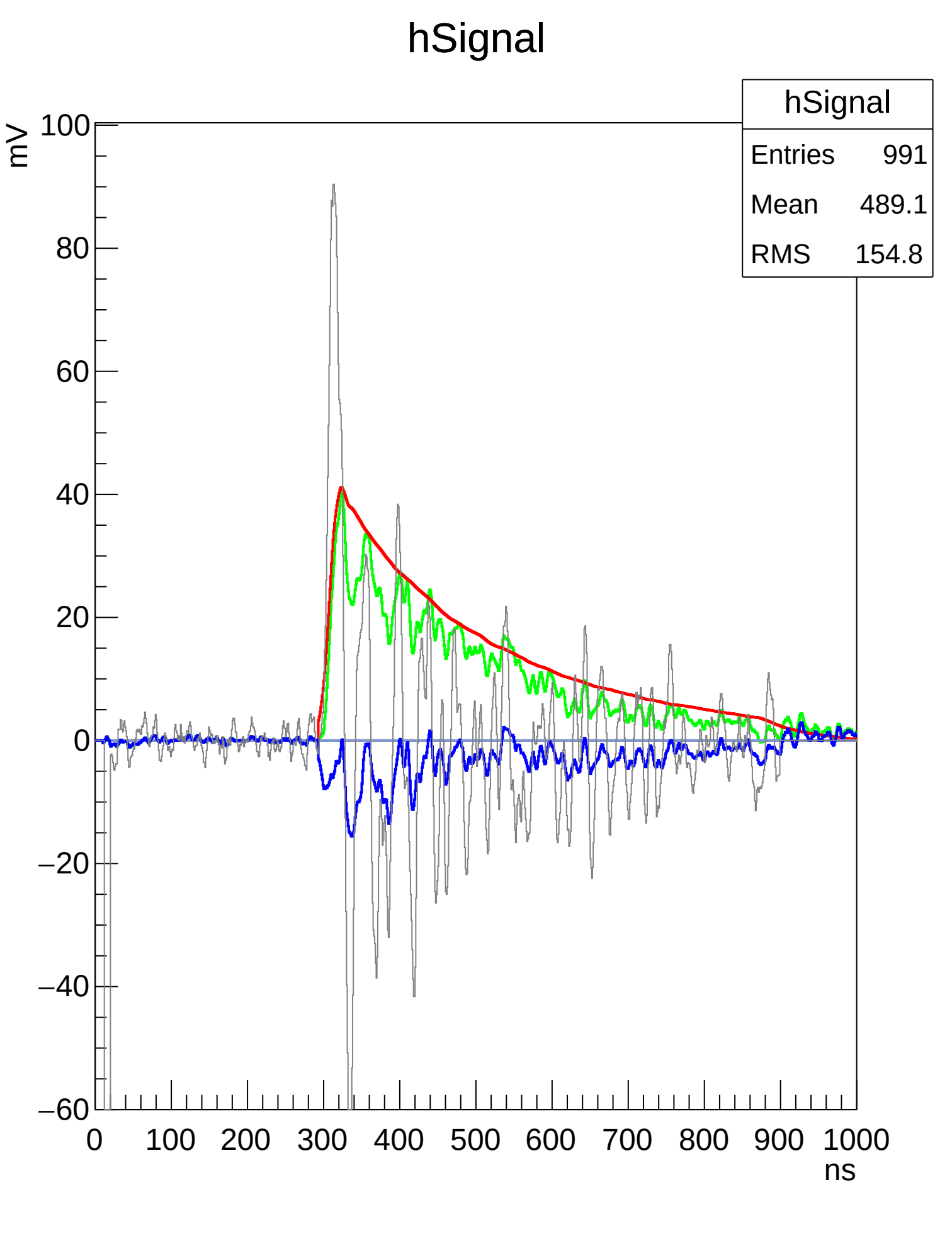
hSignal
hSignal
Entries 991
Mean 489.1
RMS 154.8
mV
100
80
60
40
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−40
−60
0
100
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400
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800
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1000
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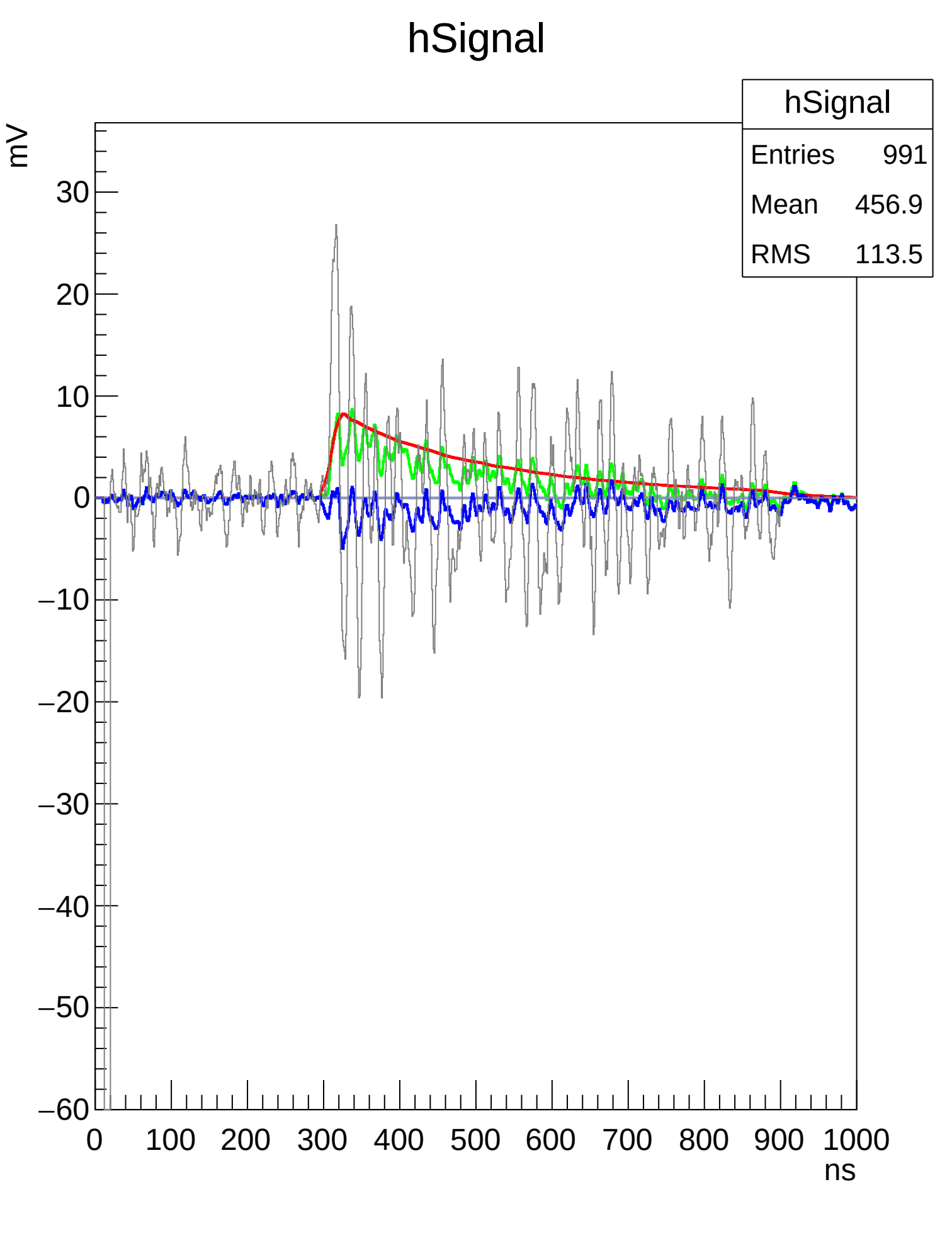
hSignal
hSignal
Entries 991
Mean 456.9
RMS 113.5
mV
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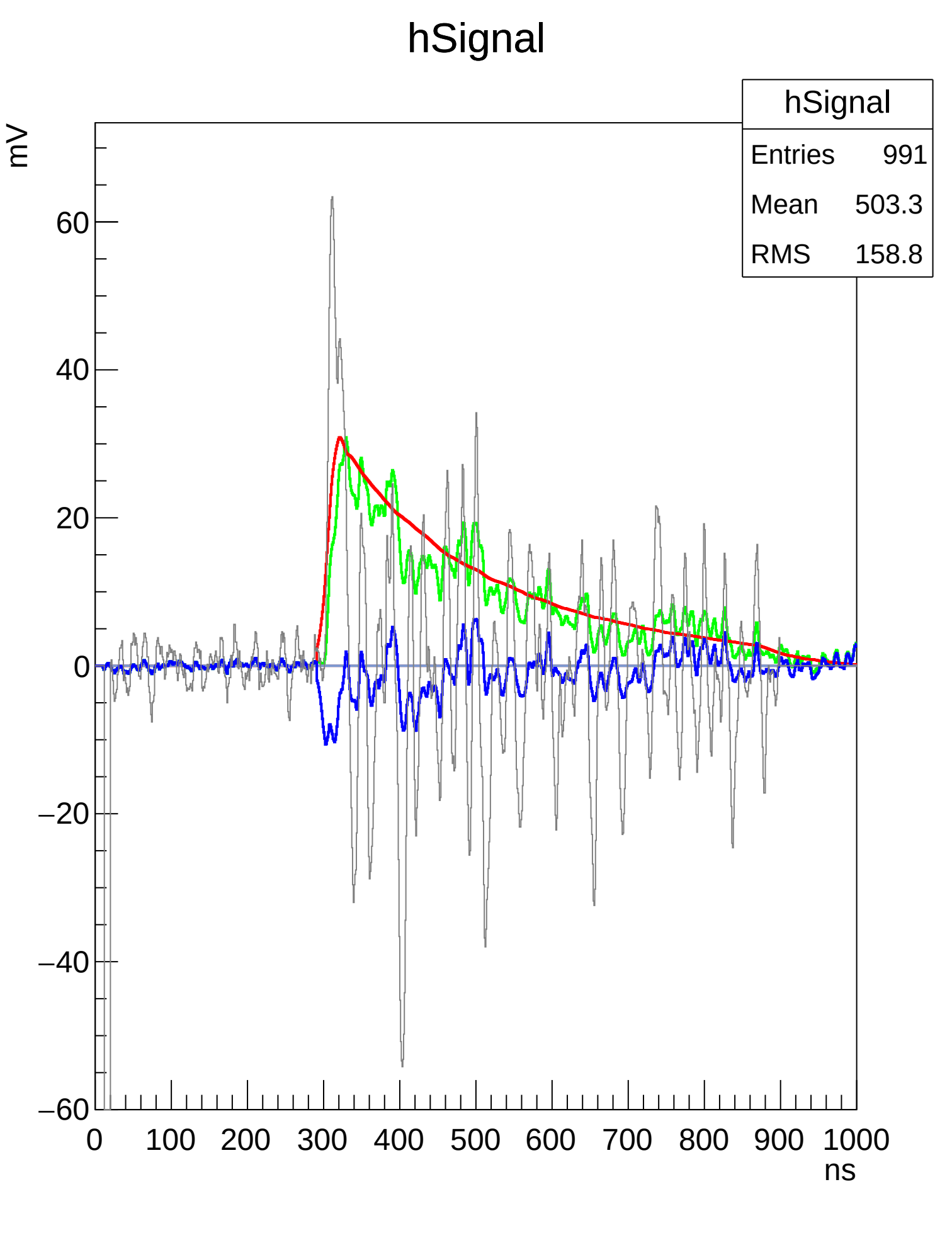
hSignal
hSignal
Entries 991
Mean 503.3
RMS 158.8
mV
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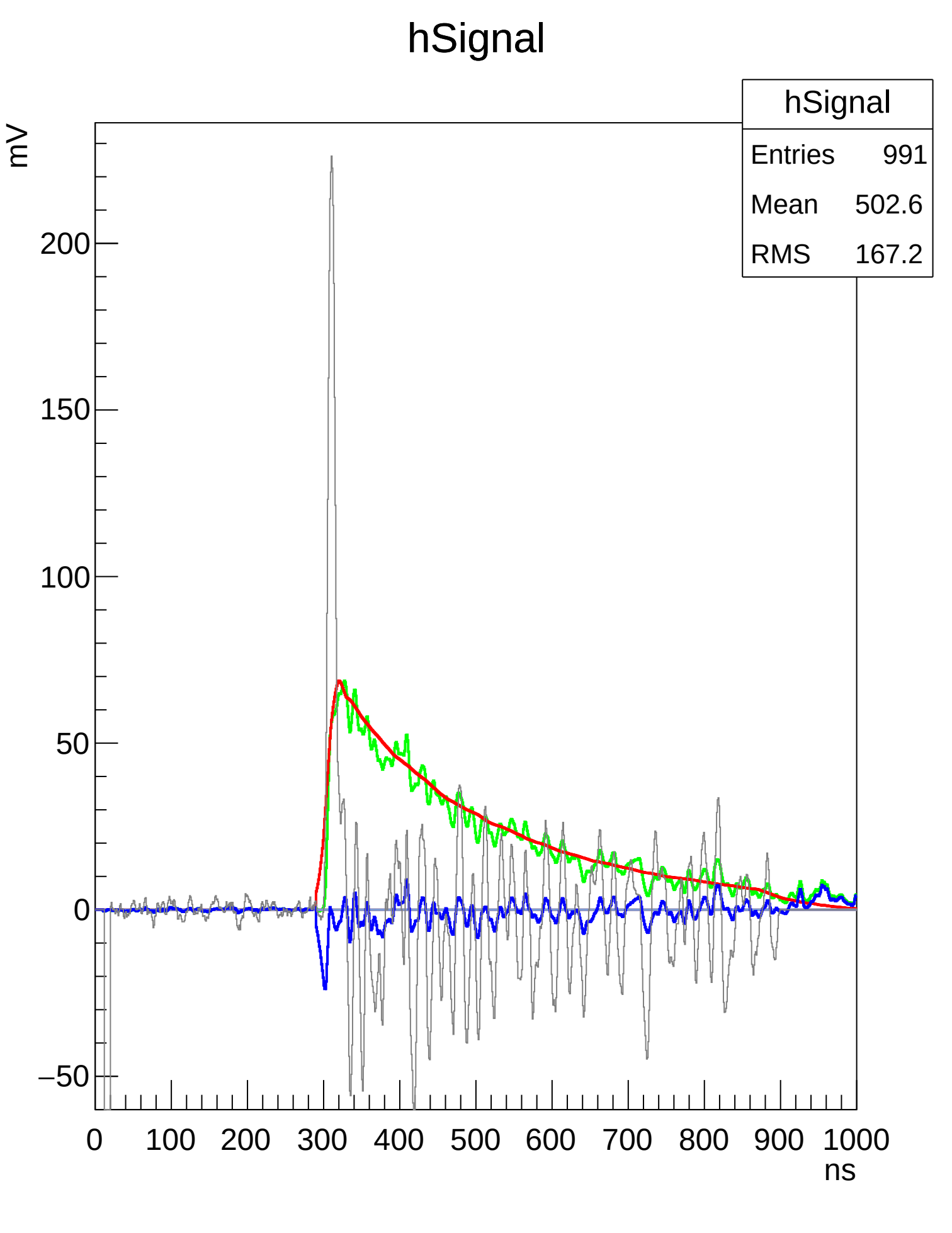
1000
ns


hSignal
hSignal
Entries 991
Mean 502.6
RMS 167.2
mV
200
150
100
50
0
−50
0
100
200
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700
800
900
1000
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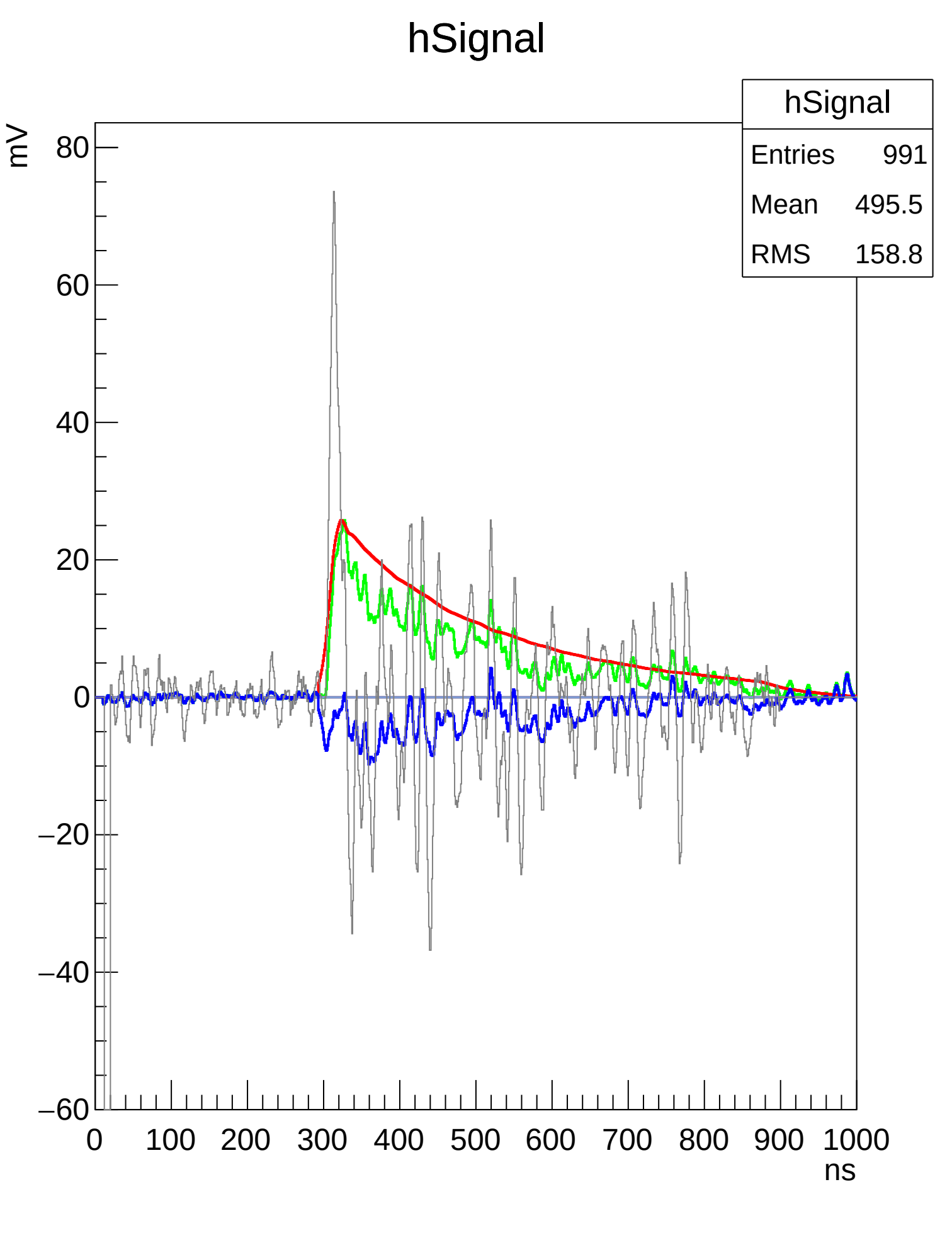
hSignal
hSignal
Entries 991
Mean 495.5
RMS 158.8
mV
80
60
40
20
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−20
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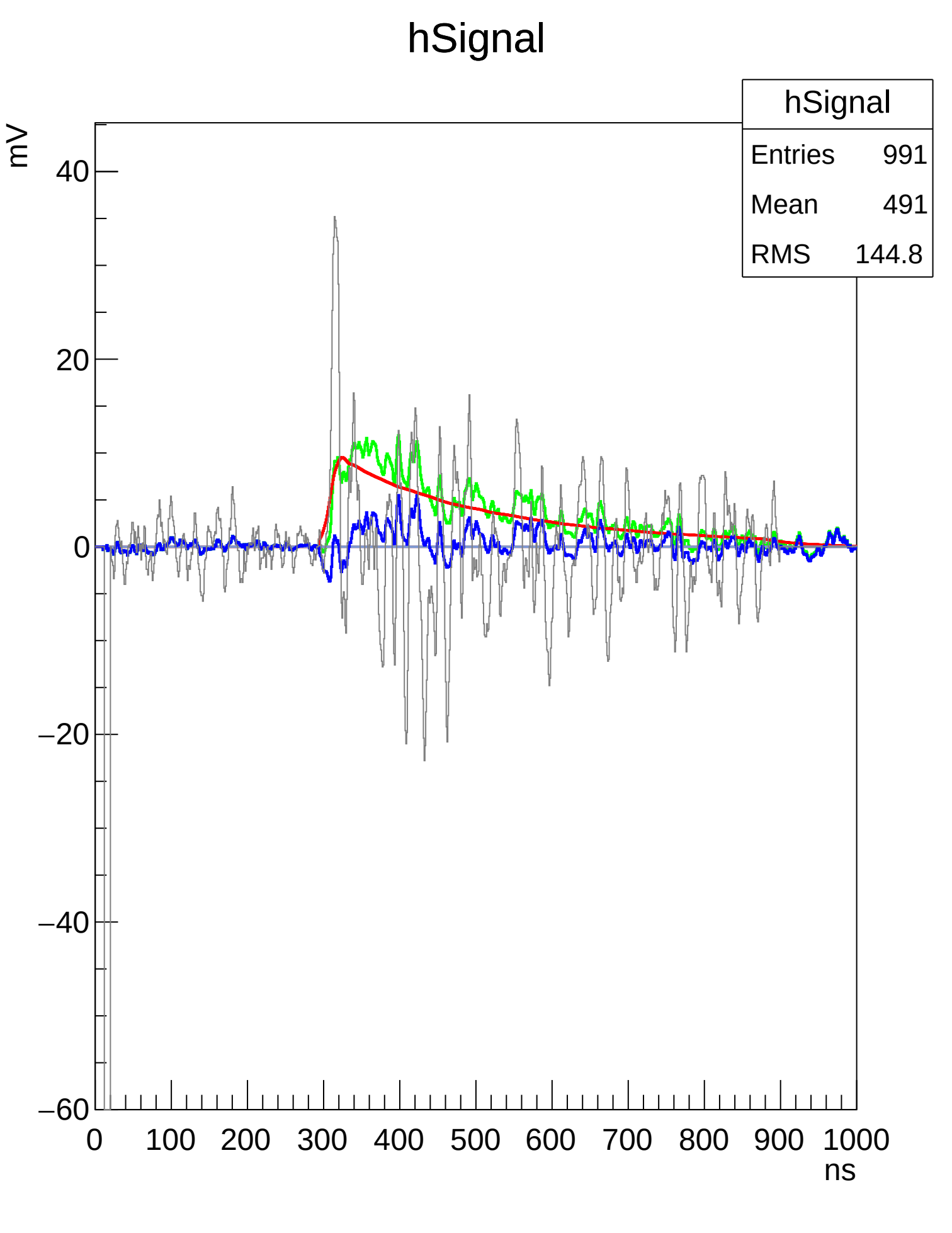
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491
RMS 144.8
mV
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−20
−40
−60
0
100
200
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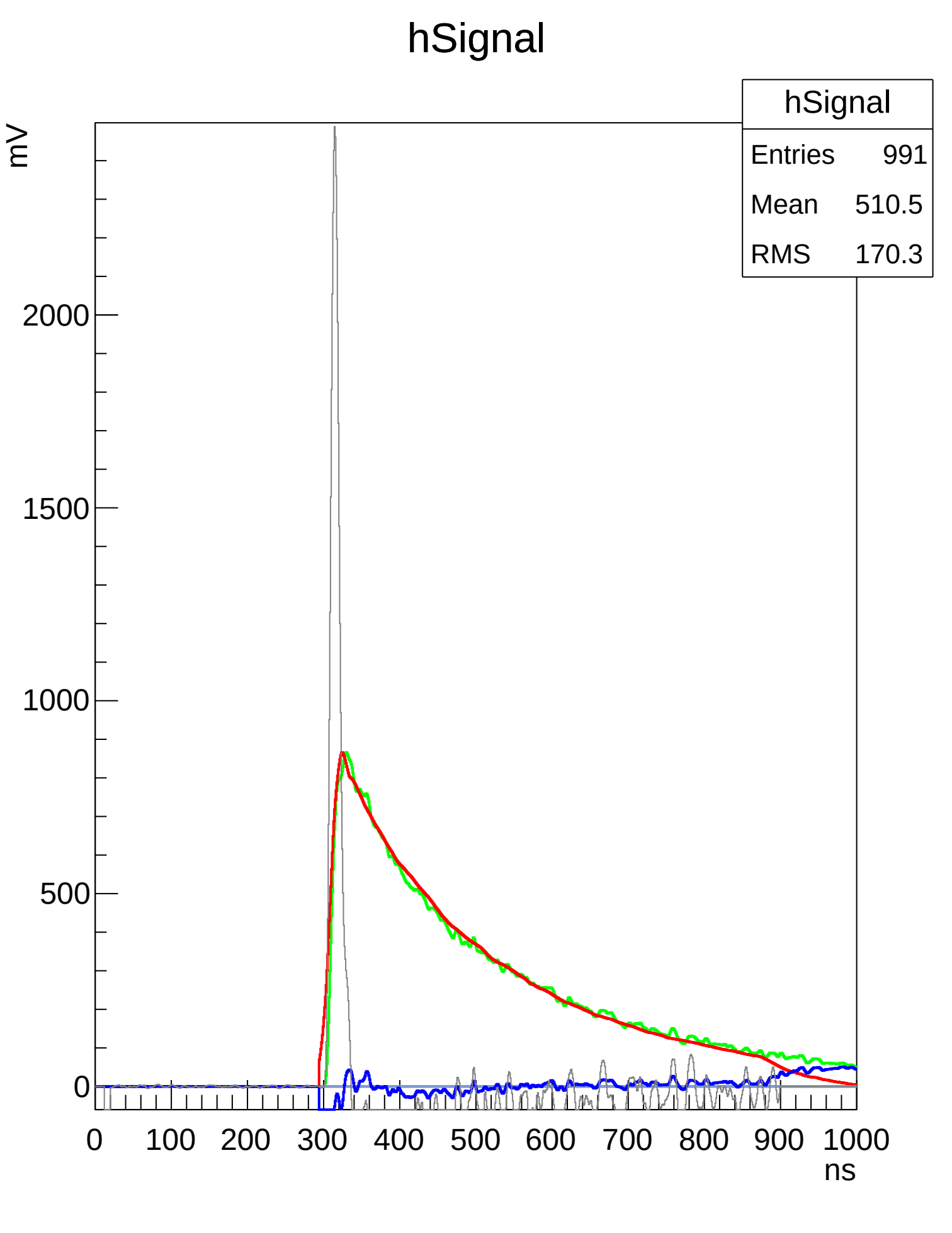
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.5
RMS 170.3
mV
2000
1500
1000
500
0
0
100
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300
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600
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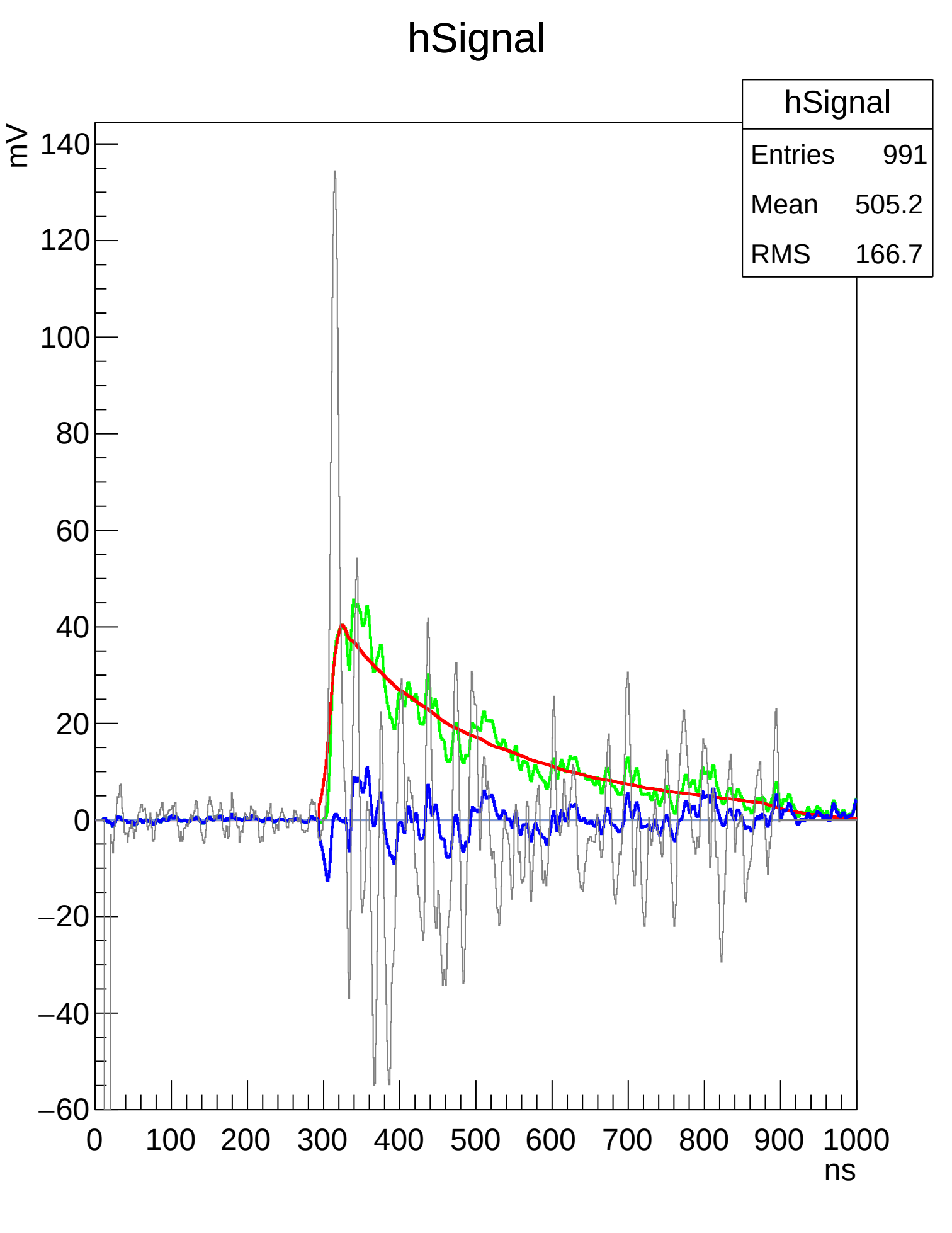
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.2
RMS 166.7
mV
140
120
100
80
60
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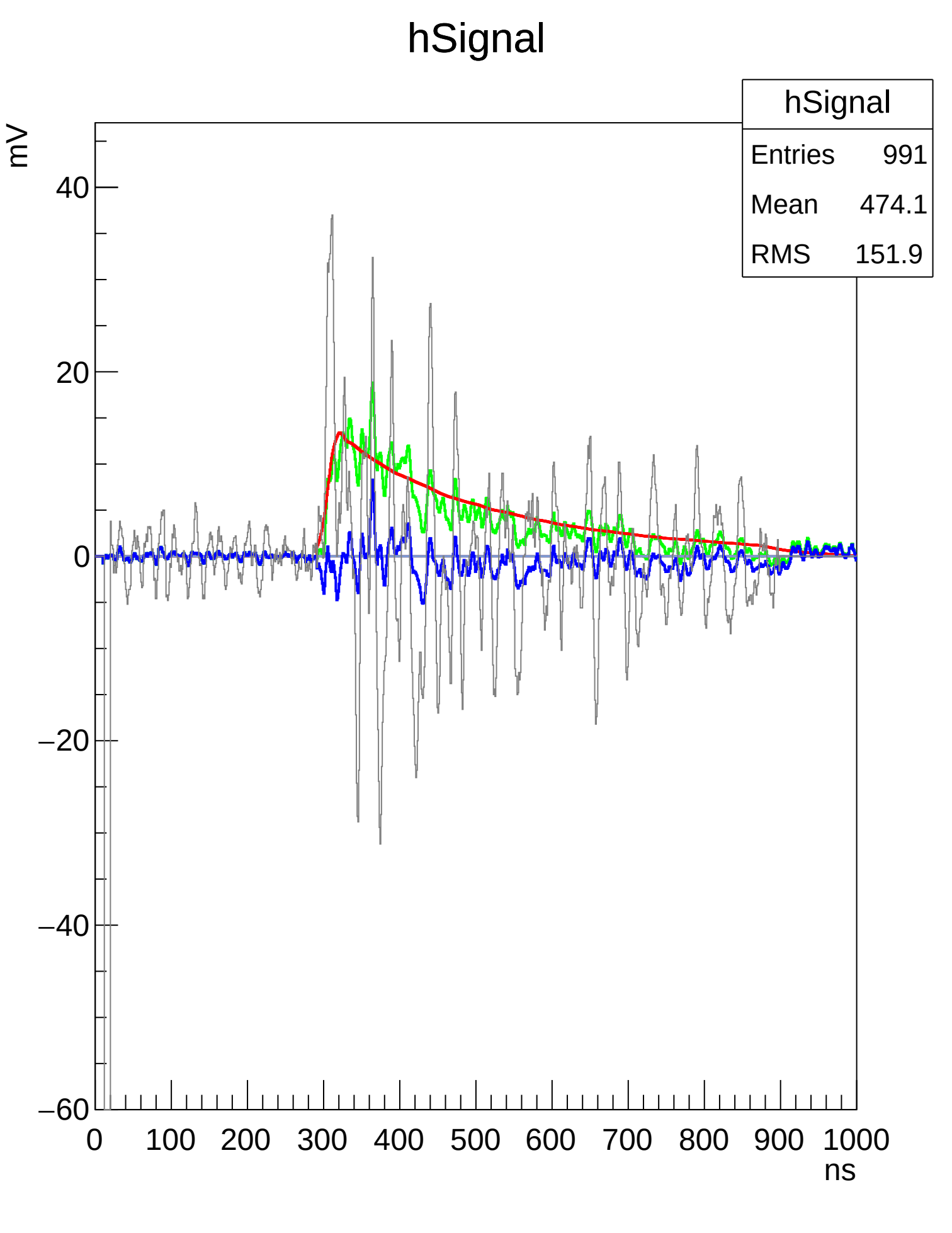
1000
ns


hSignal
hSignal
Entries 991
Mean 474.1
RMS 151.9
mV
40
20
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−20
−40
−60
0
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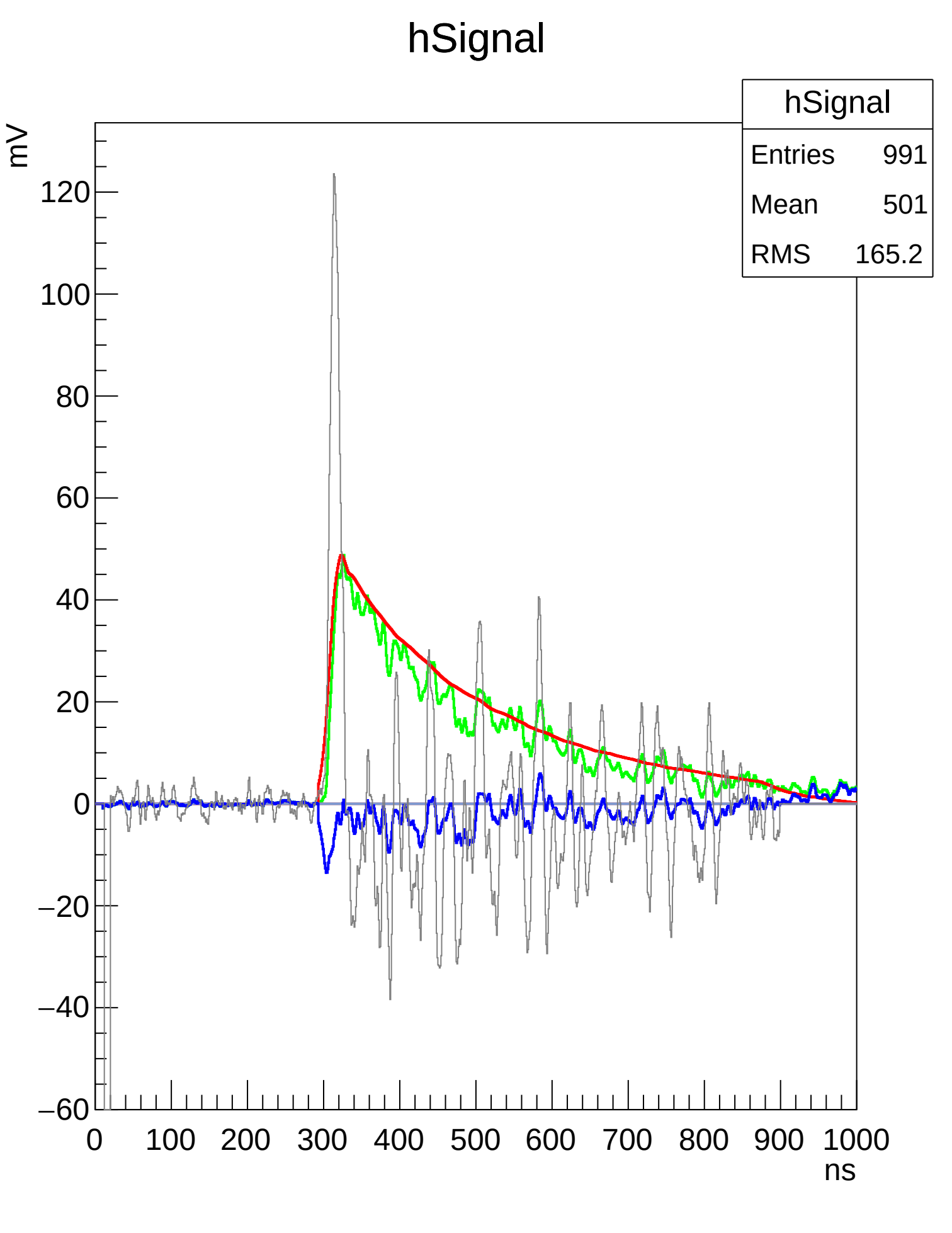
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501
RMS 165.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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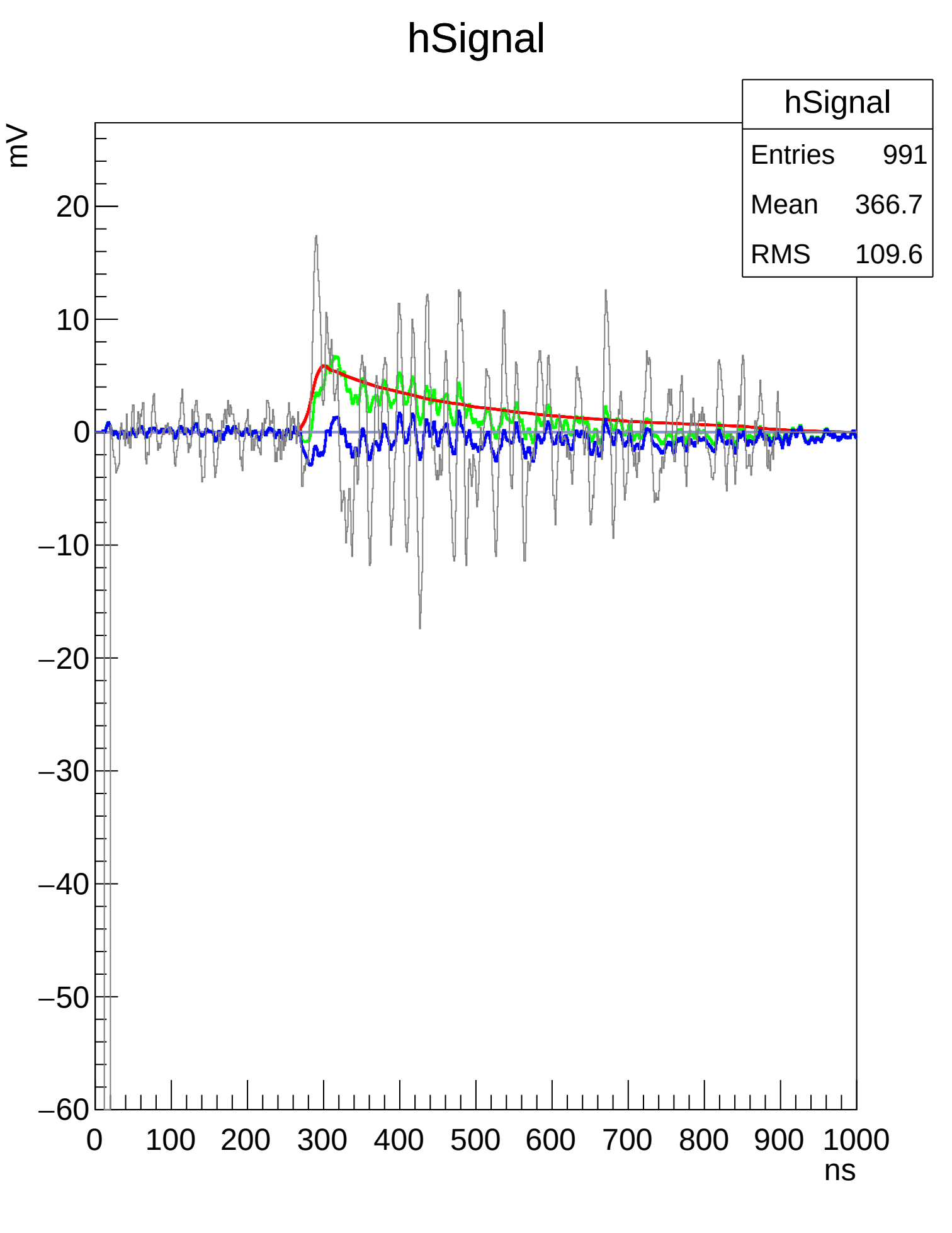
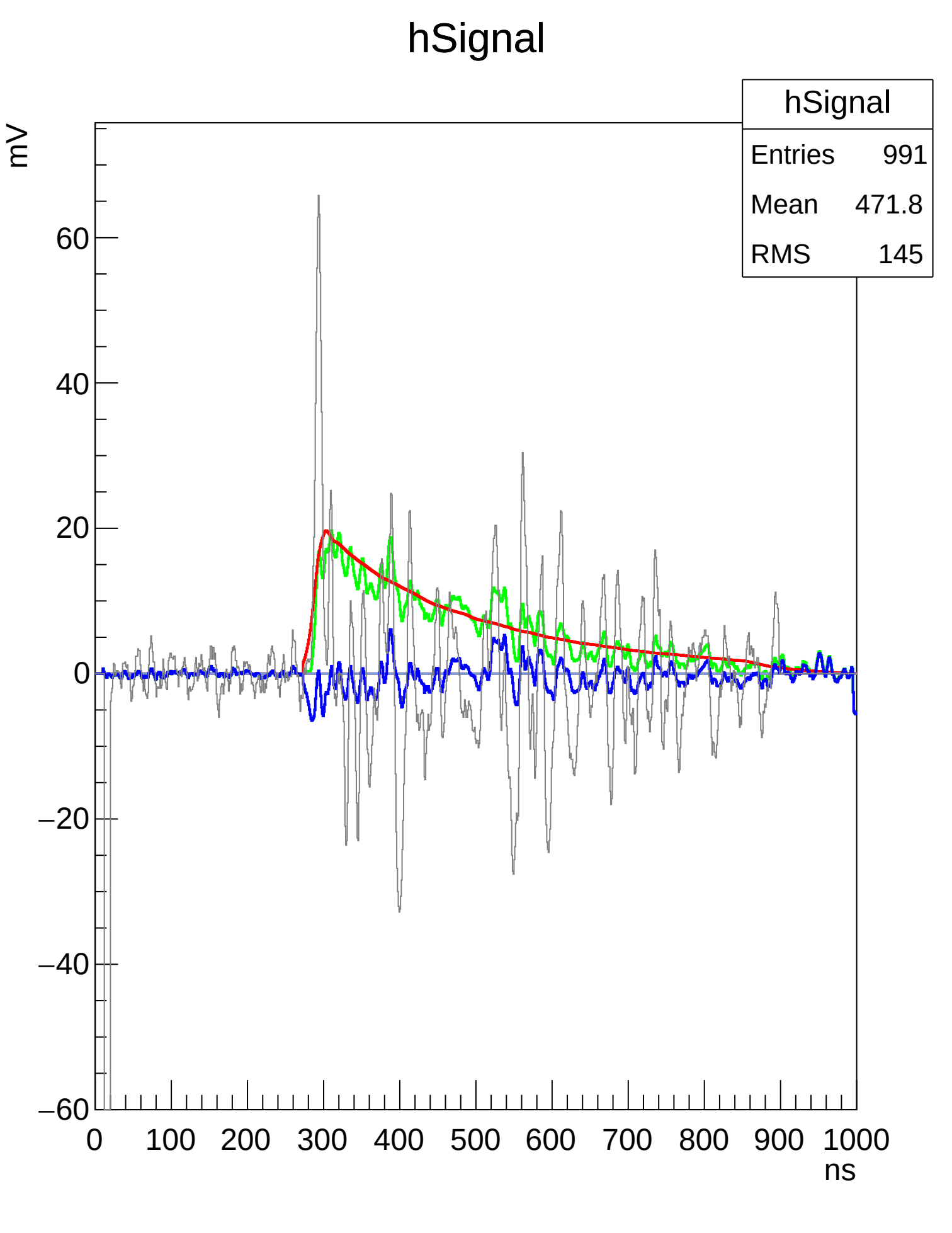
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 366.7
RMS 109.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 471.8
RMS 145
mV
60
40
20
0
−20
−40
−60
0
100
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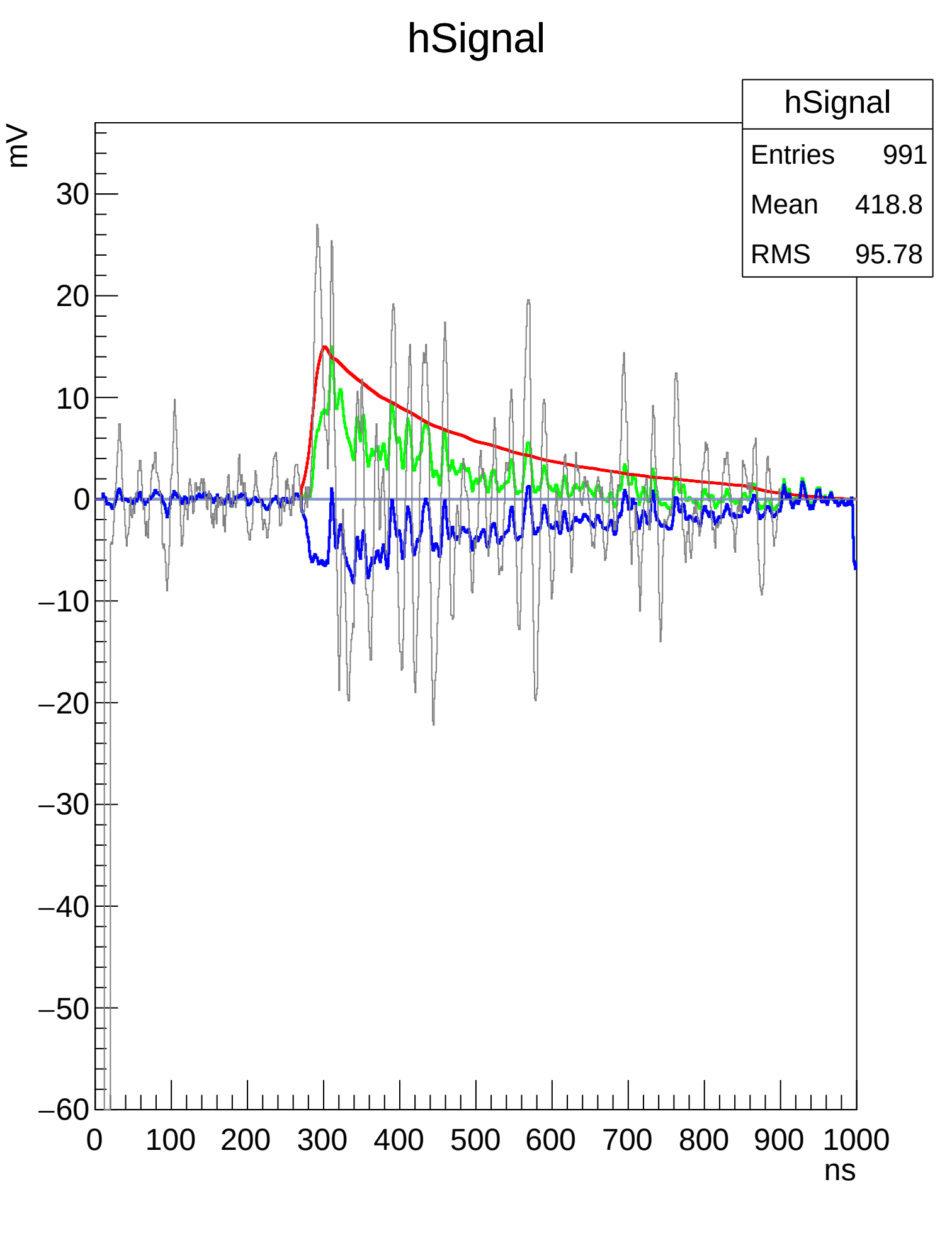
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 418.8
RMS 95.78
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
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400
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800
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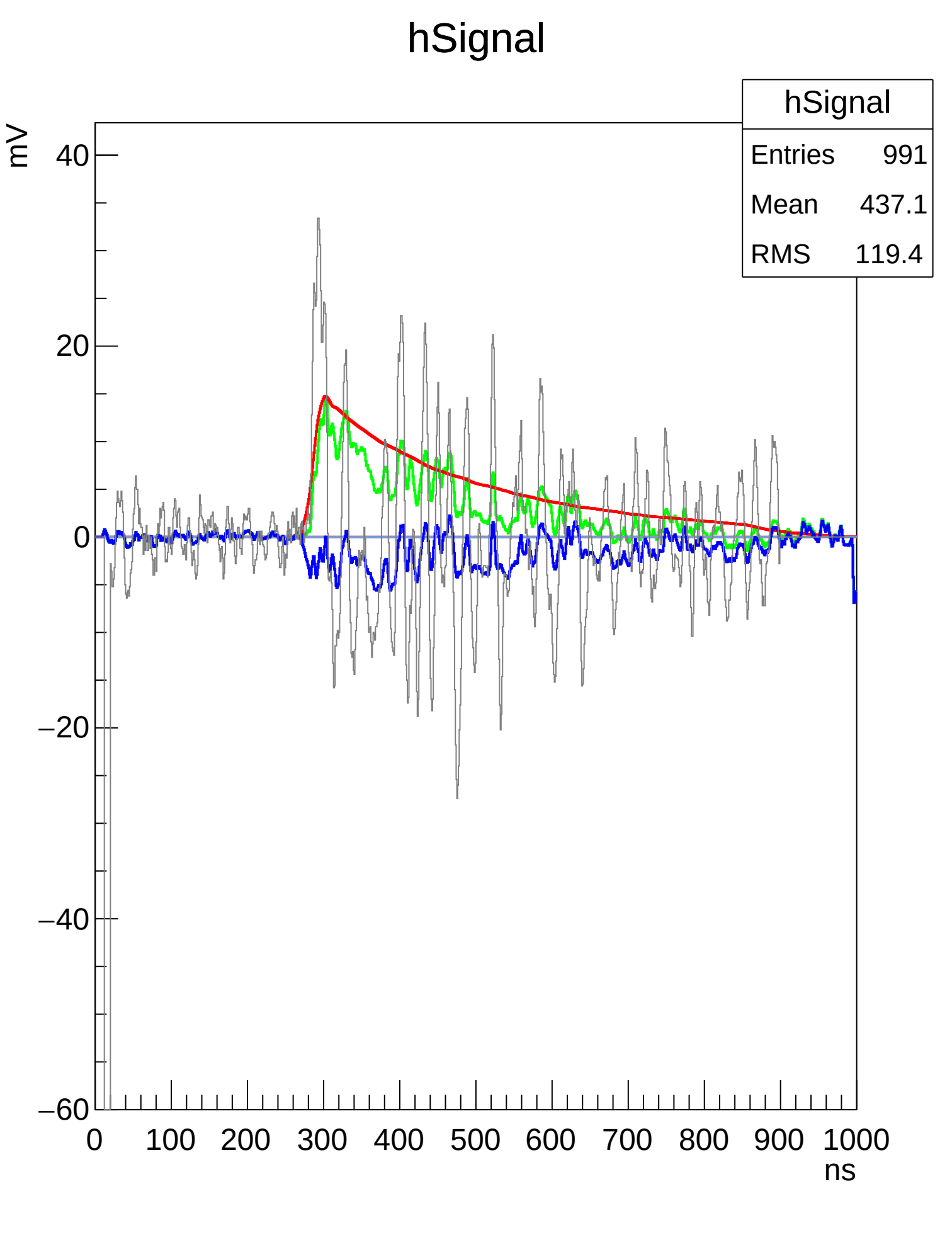
1000
ns


hSignal
hSignal
Entries 991
Mean 437.1
RMS 119.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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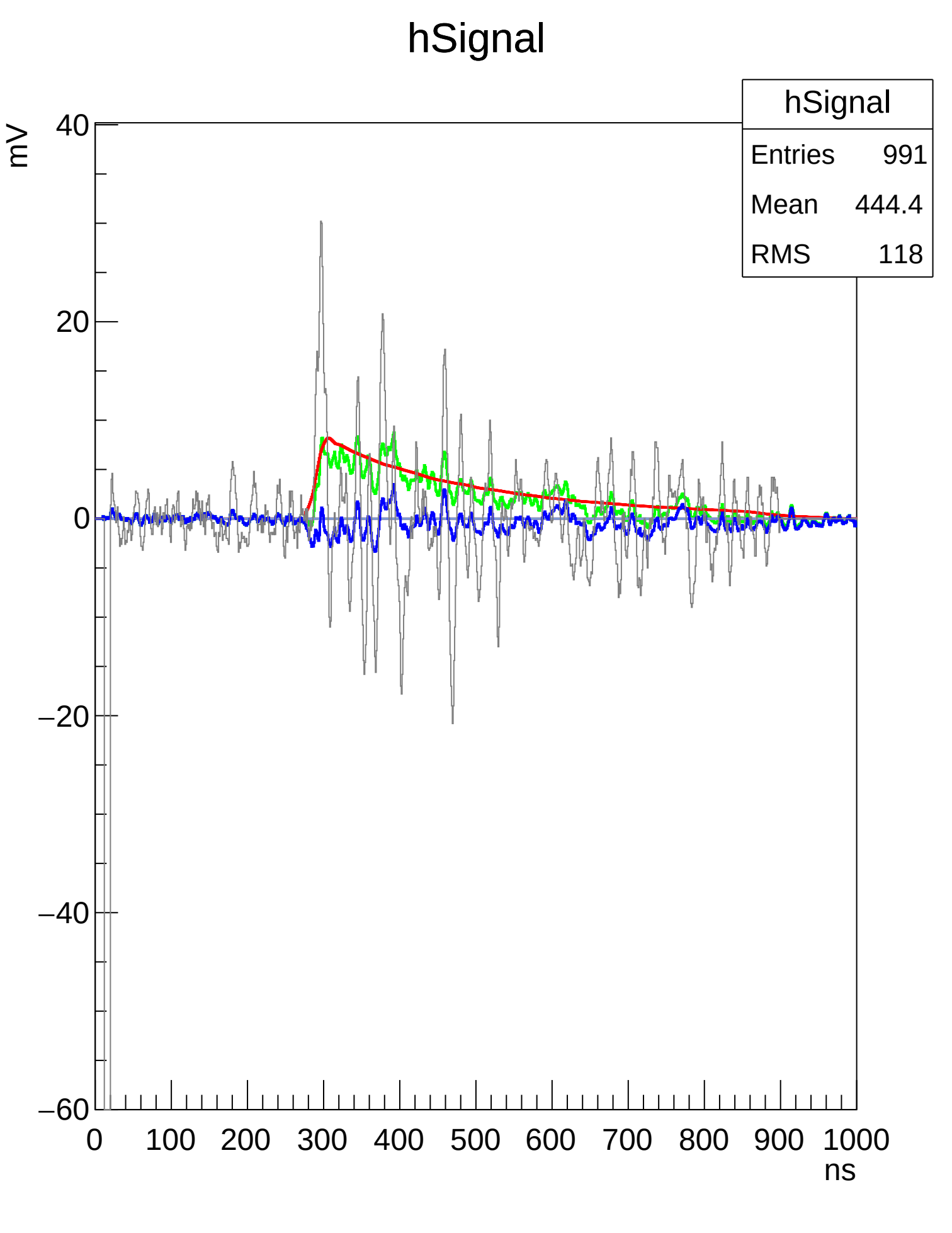
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 444.4
RMS 118
mV
40
20
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−20
−40
−60
0
100
200
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400
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600
700
800
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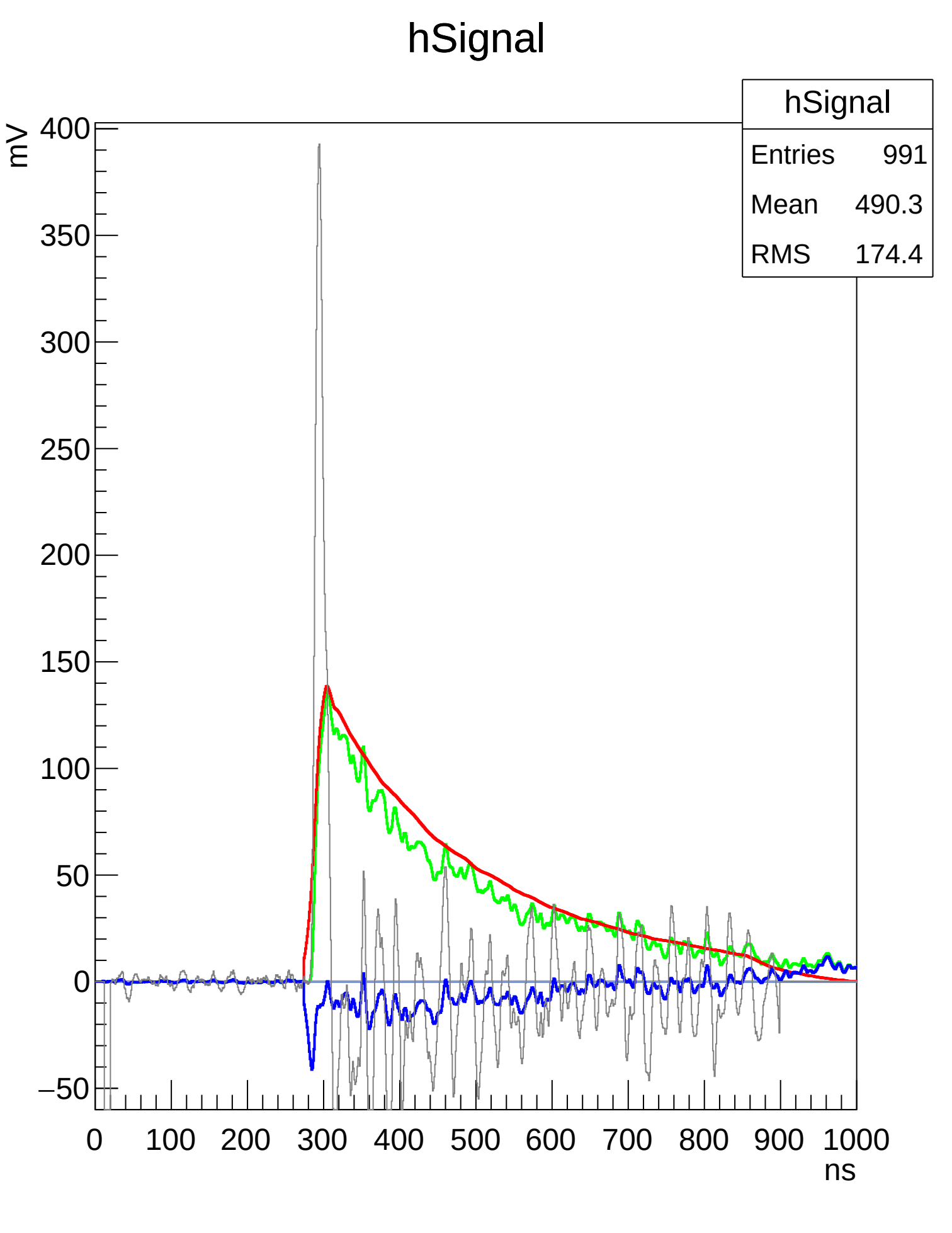
1000
ns


hSignal
hSignal
Entries 991
Mean 490.3
RMS 174.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
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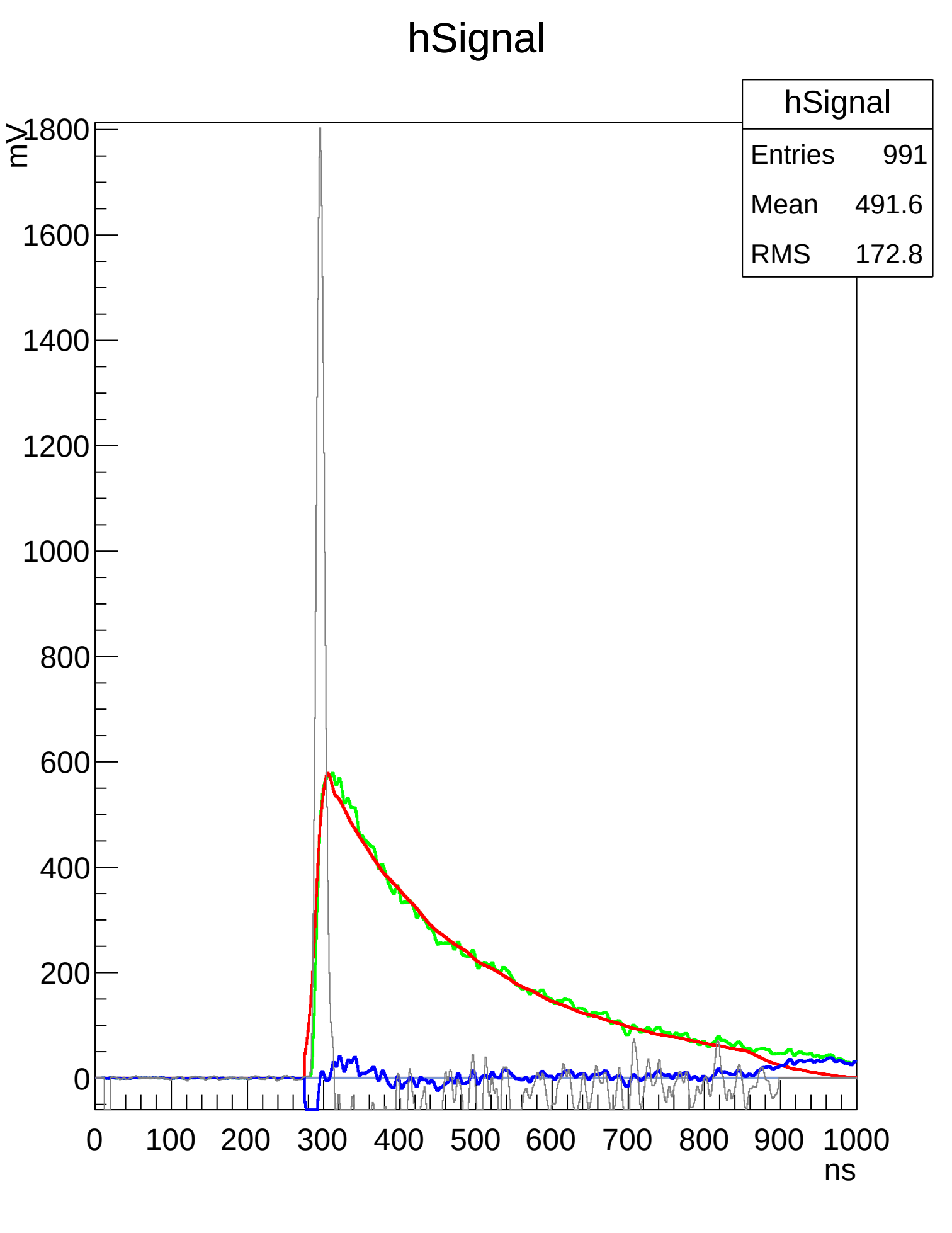
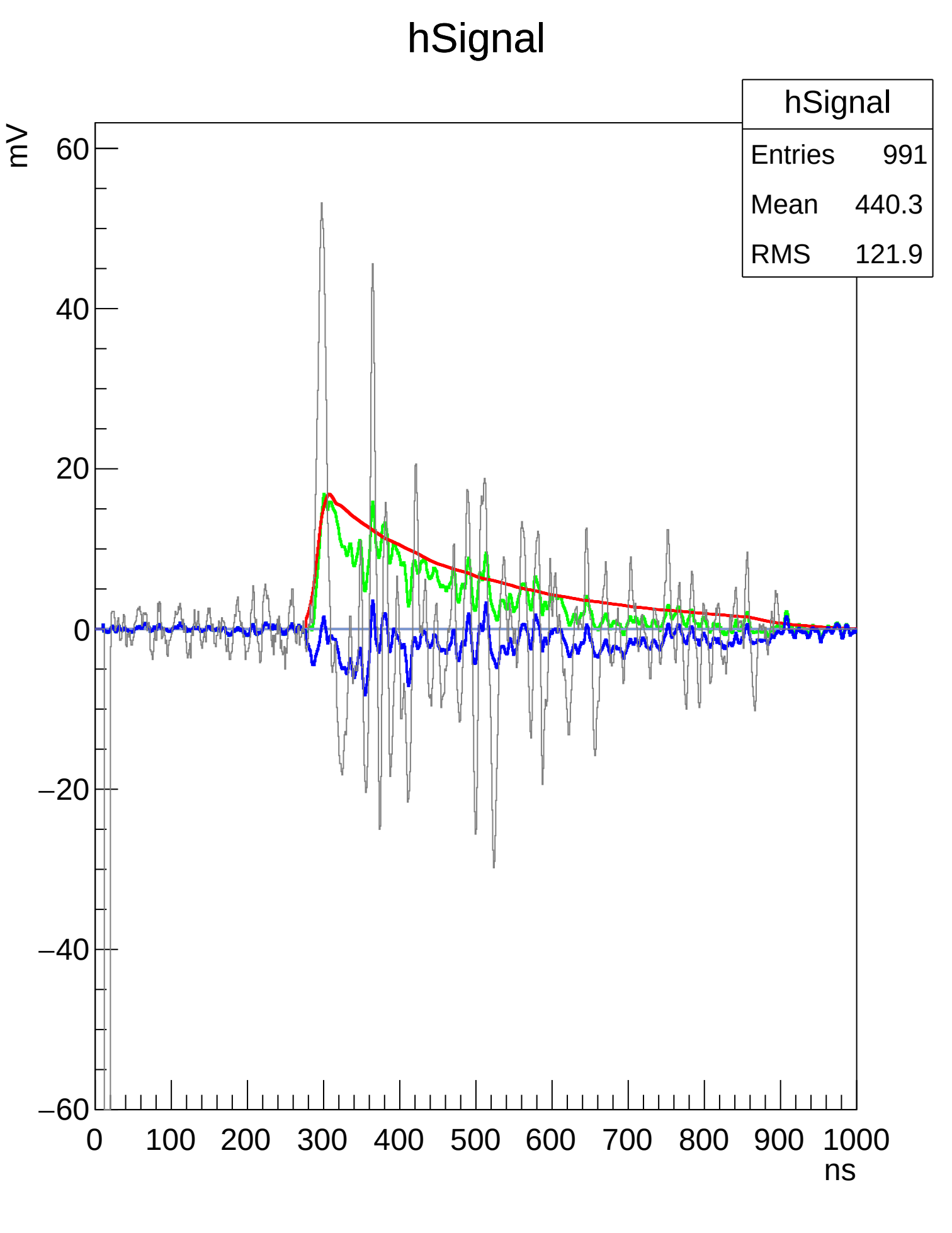
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.6
RMS 172.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 440.3
RMS 121.9
mV
60
40
20
0
−20
−40
−60
0
100
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400
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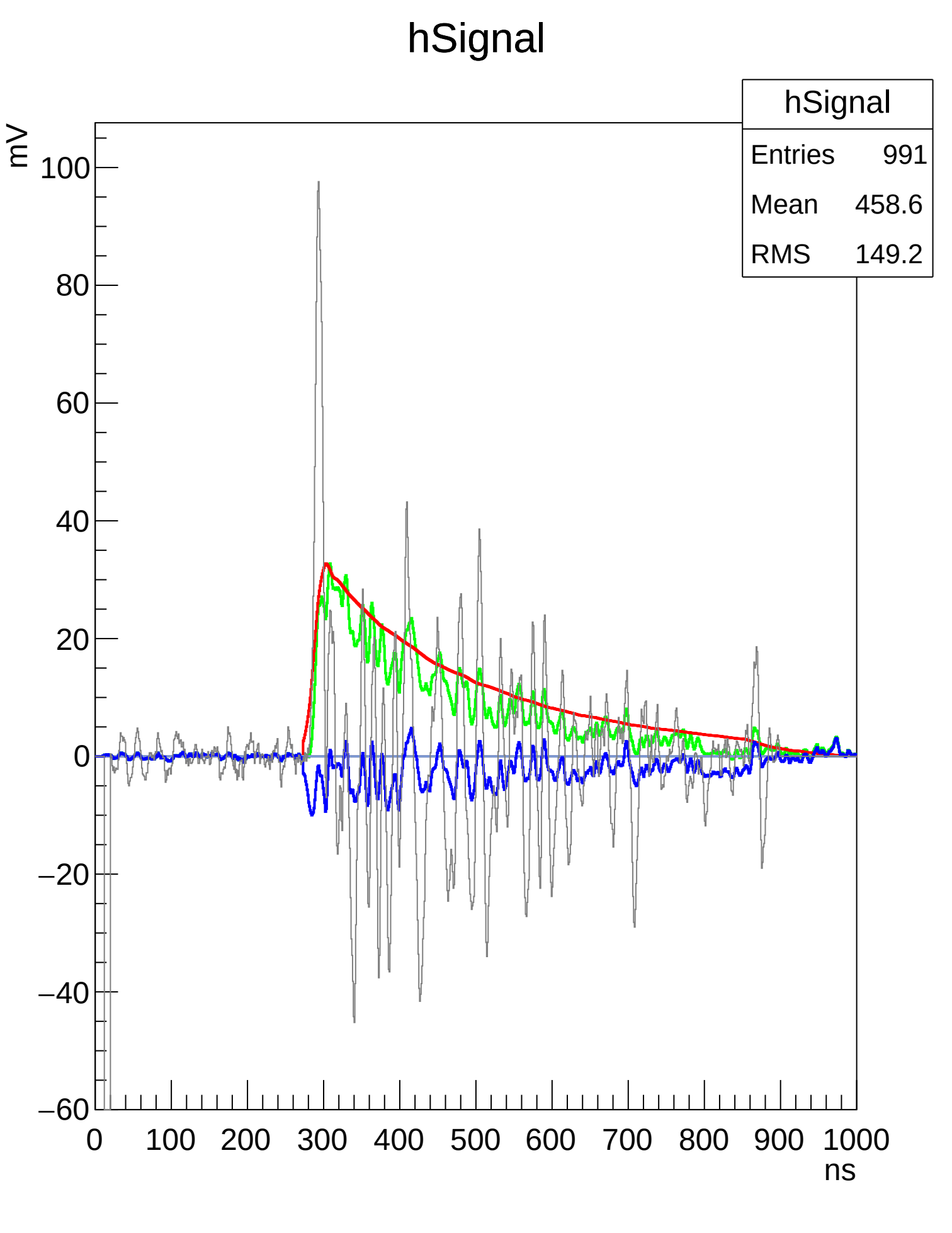
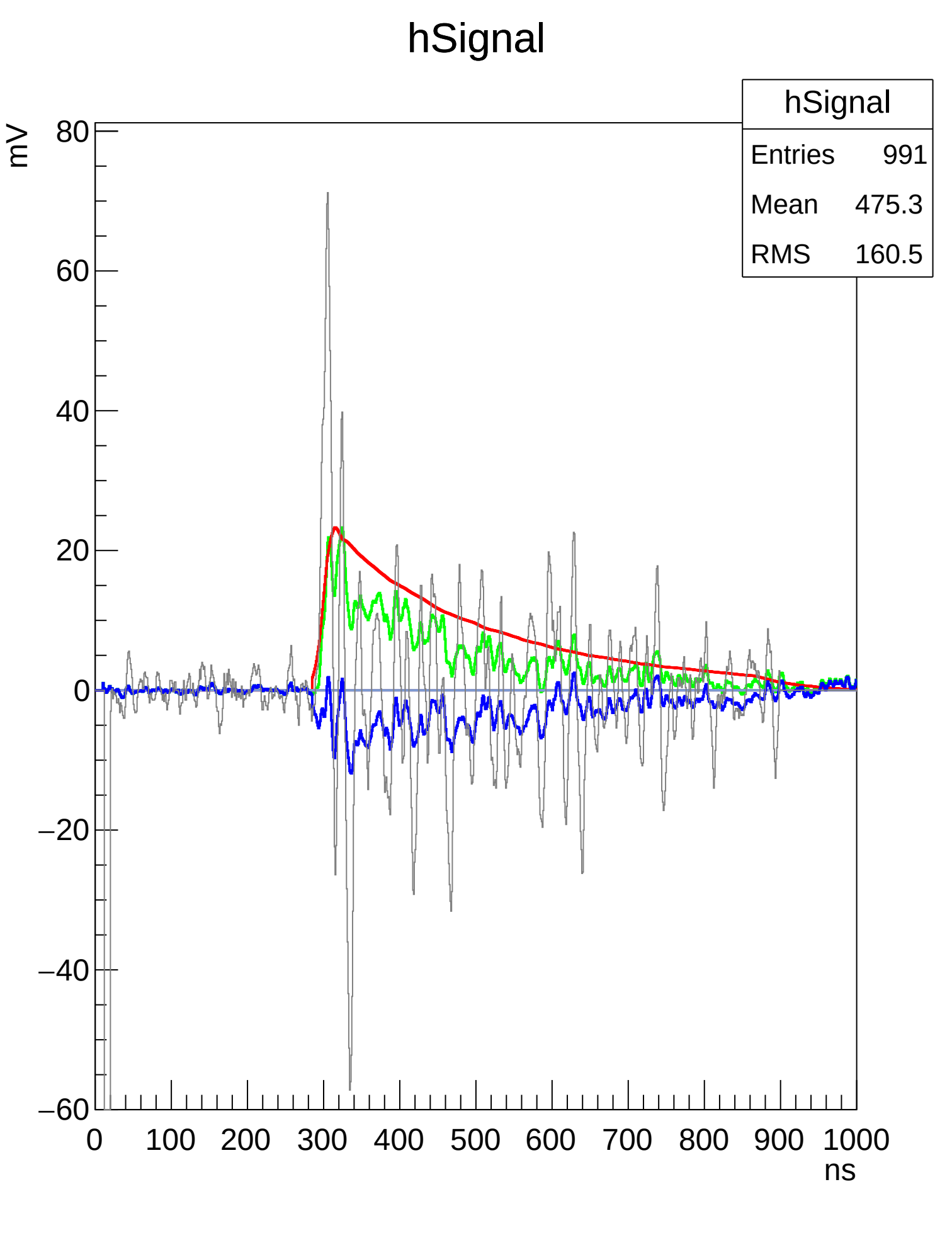
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 458.6
RMS 149.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 475.3
RMS 160.5
mV
80
60
40
20
0
−20
−40
−60
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200
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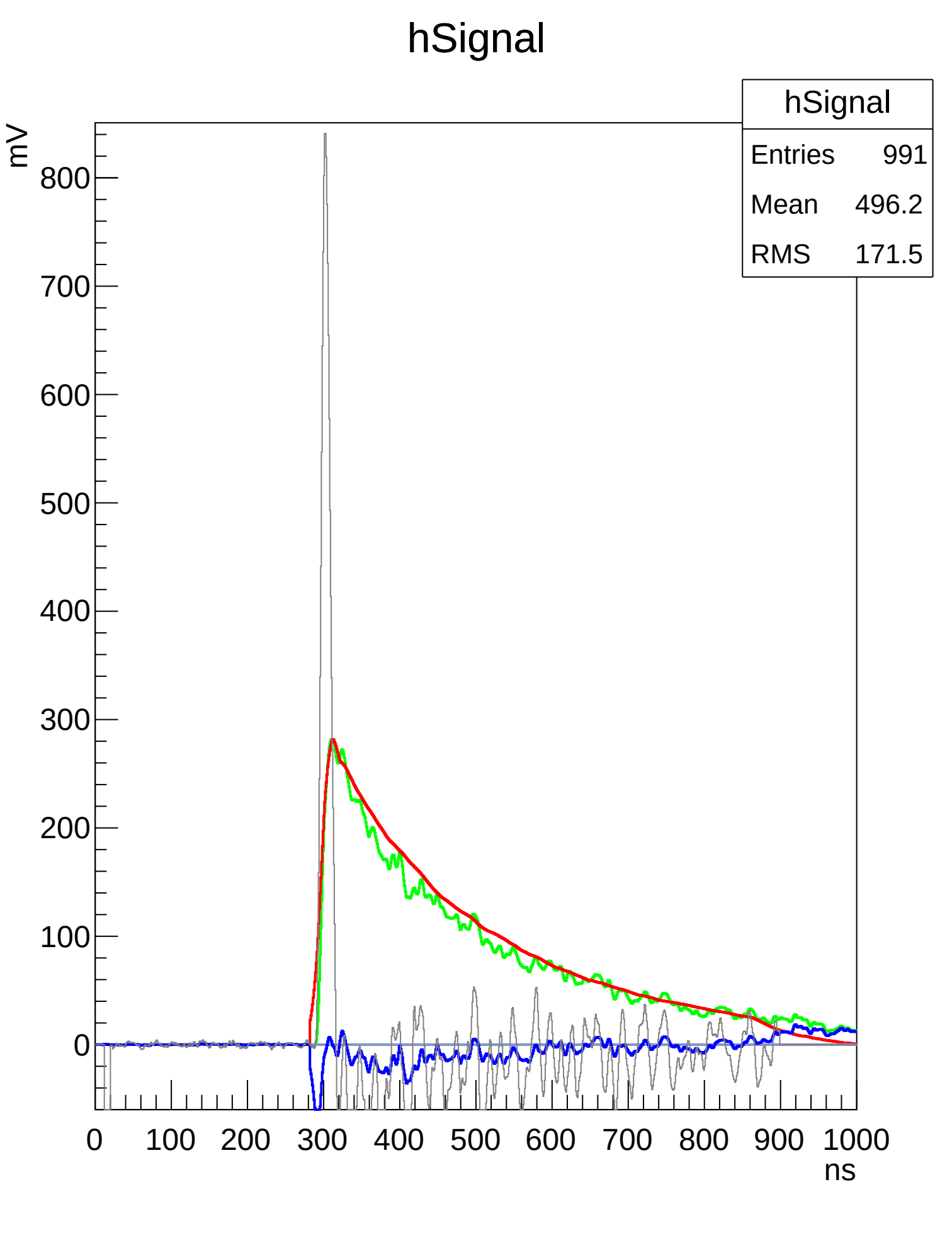
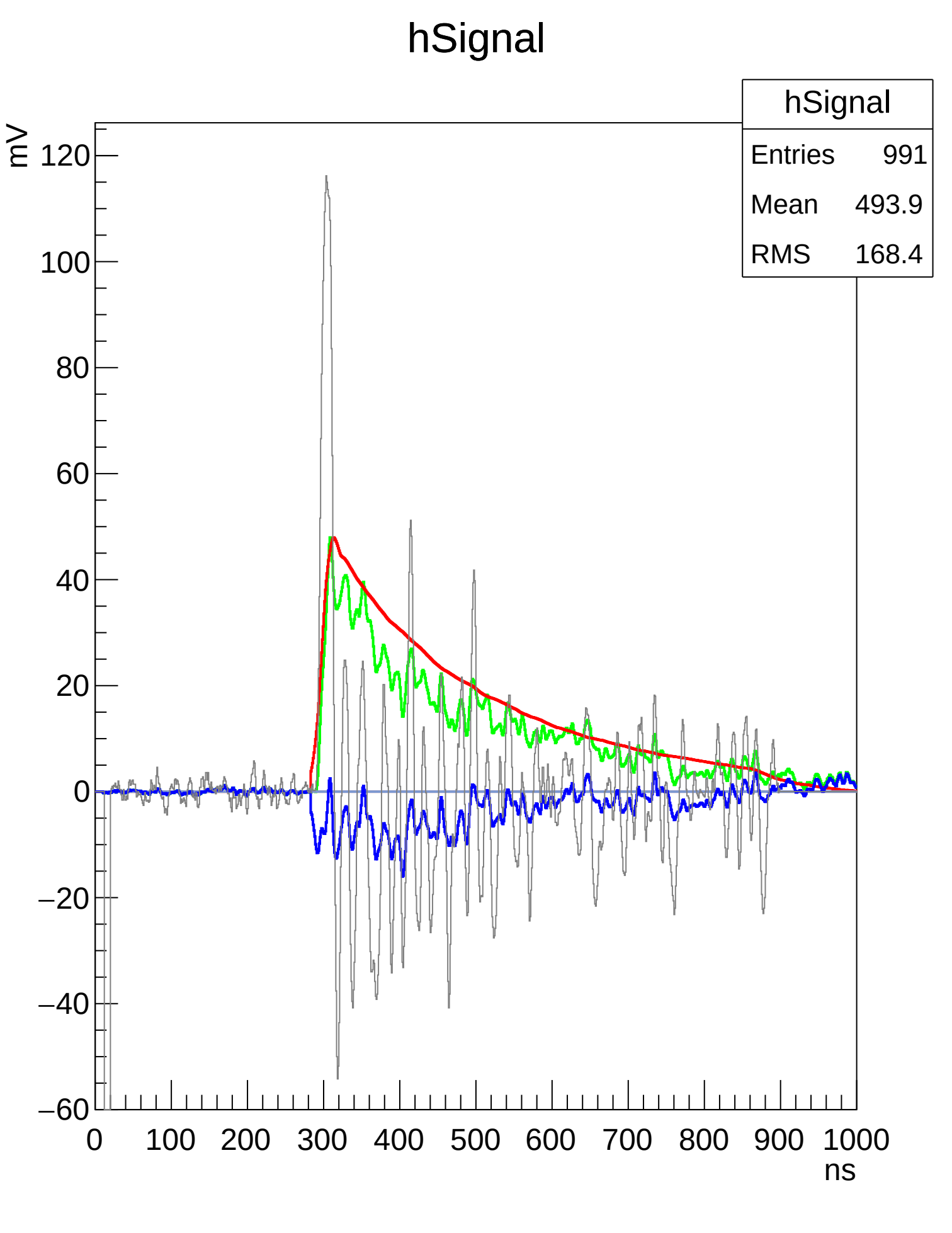
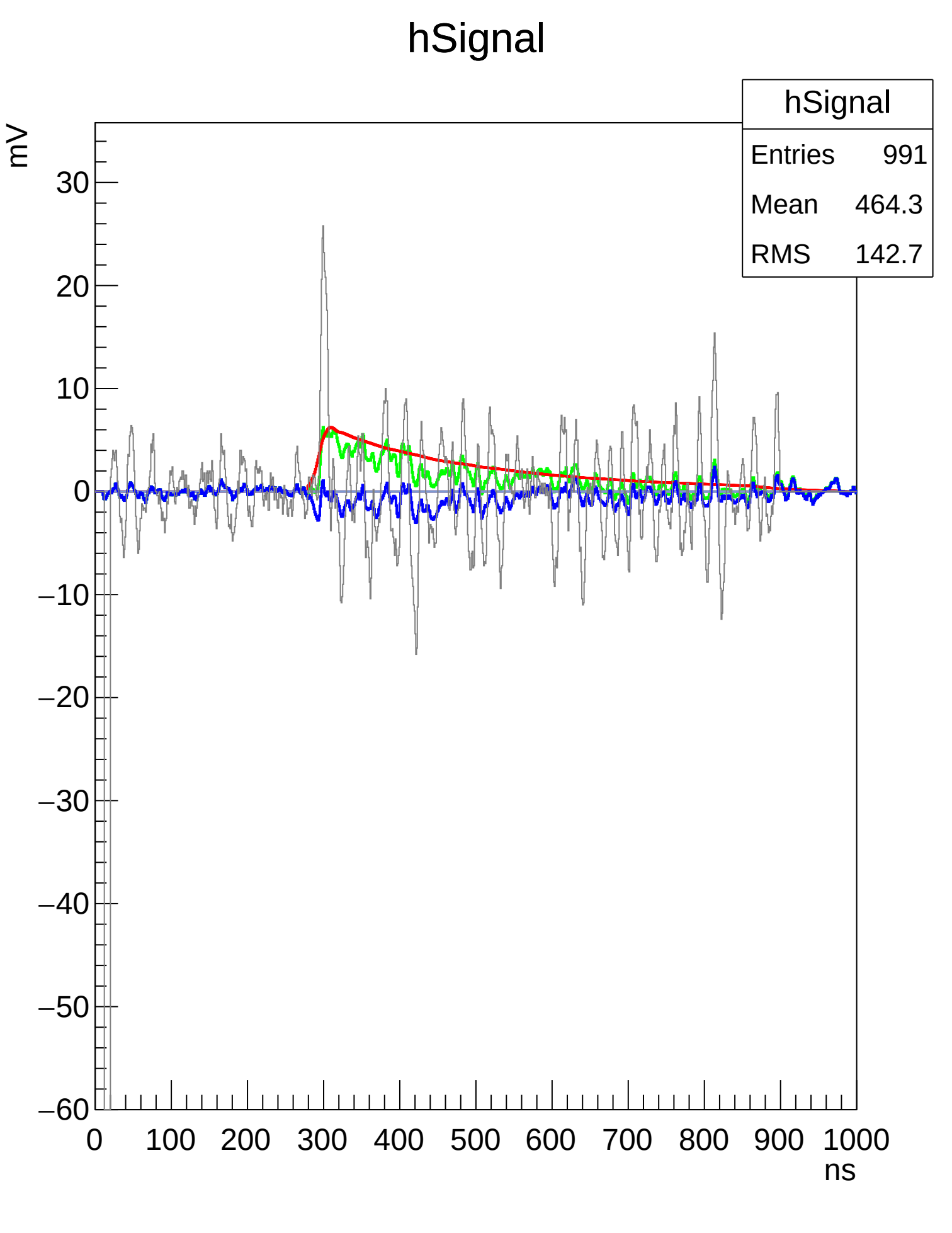
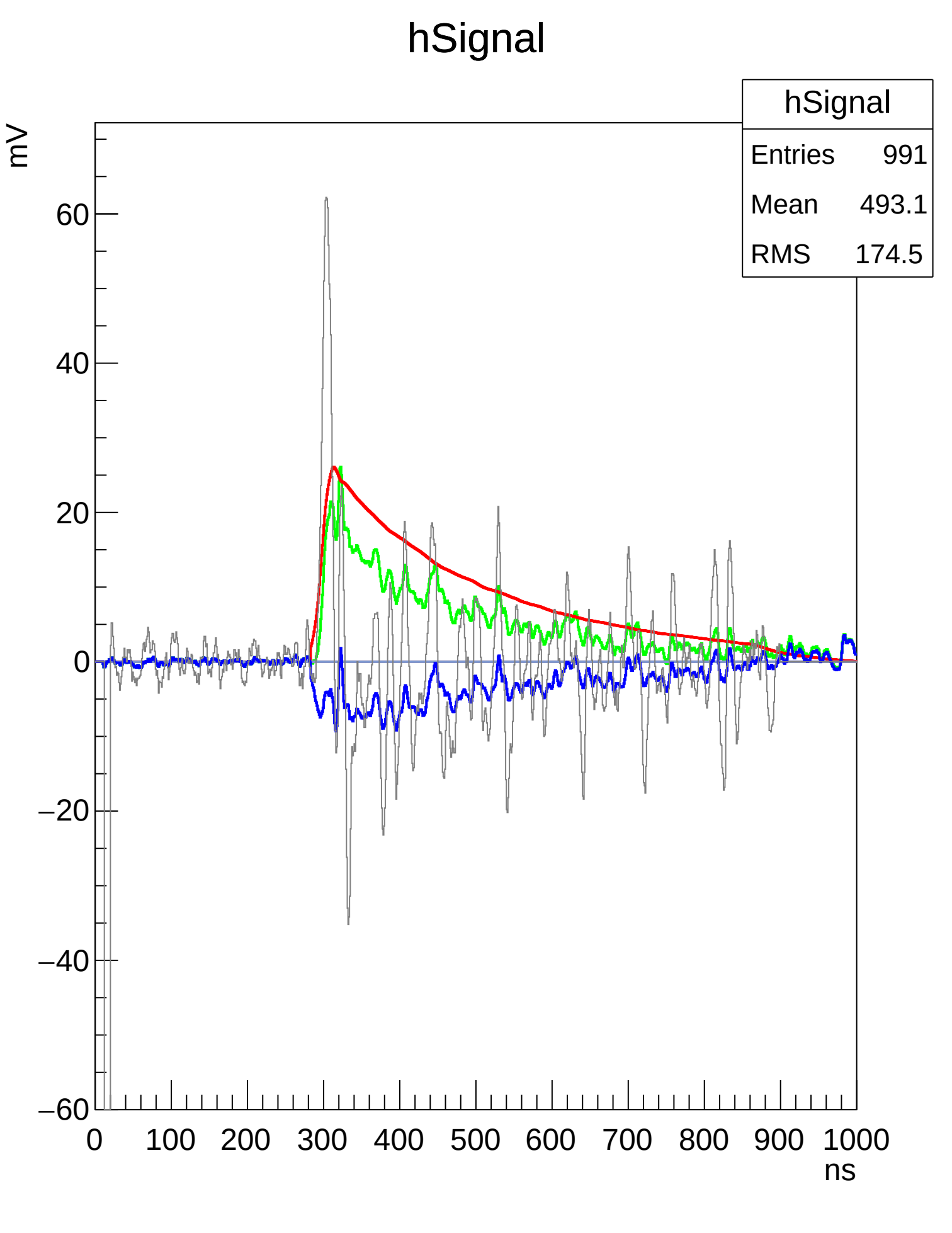
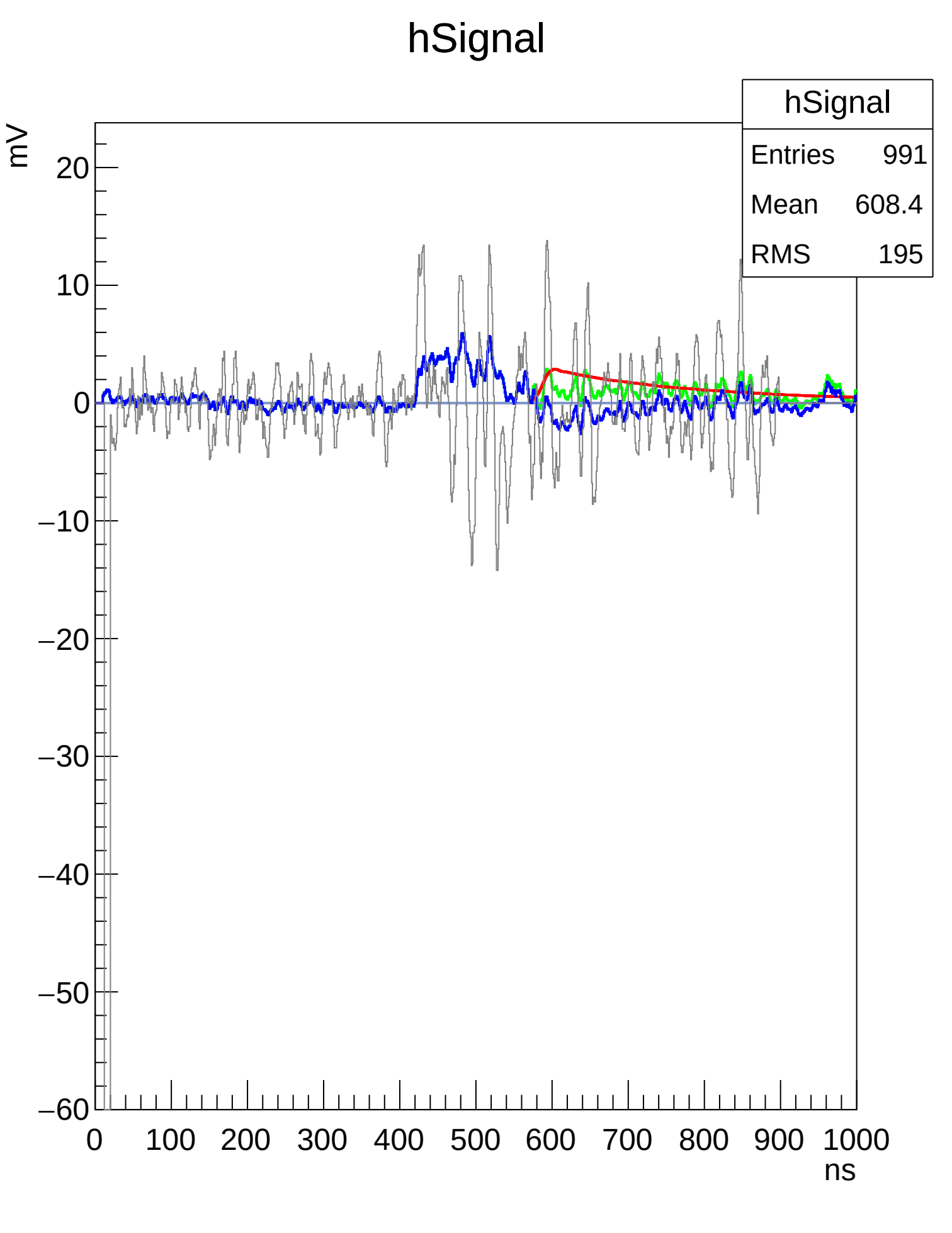
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496.2
RMS 171.5
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.9
RMS 168.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 464.3
RMS 142.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.1
RMS 174.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.4
RMS 195
mV
20
10
0
−10
−20
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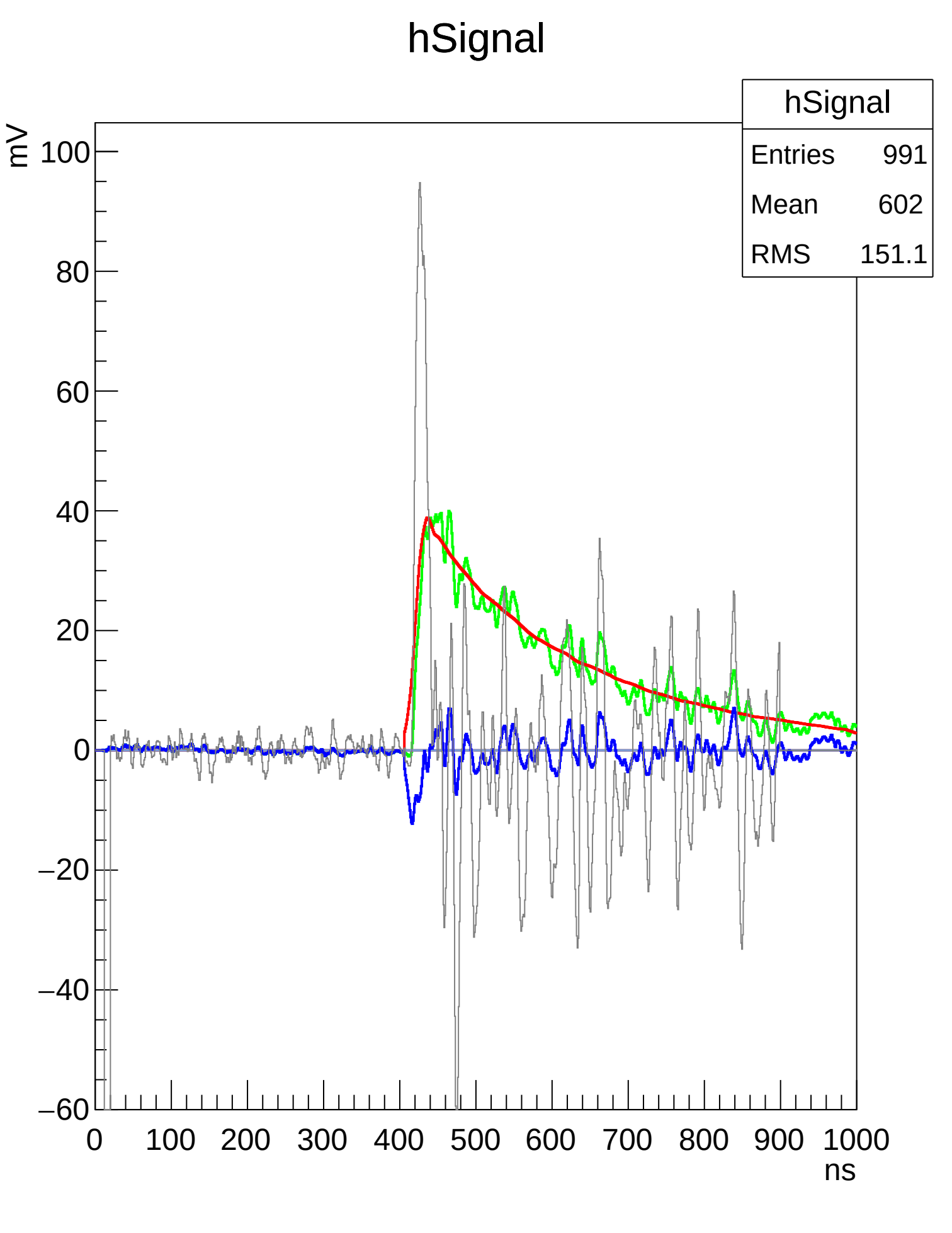
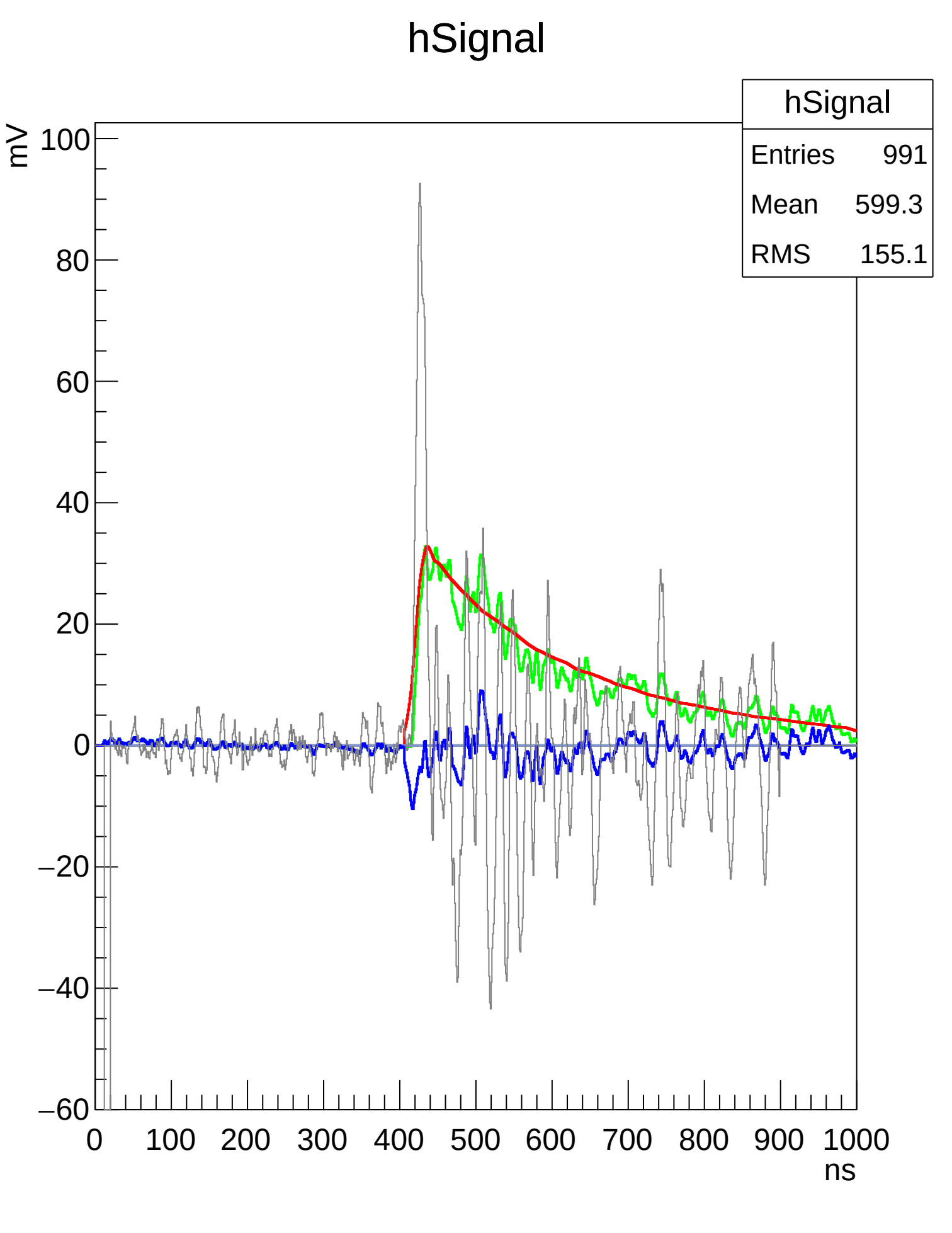
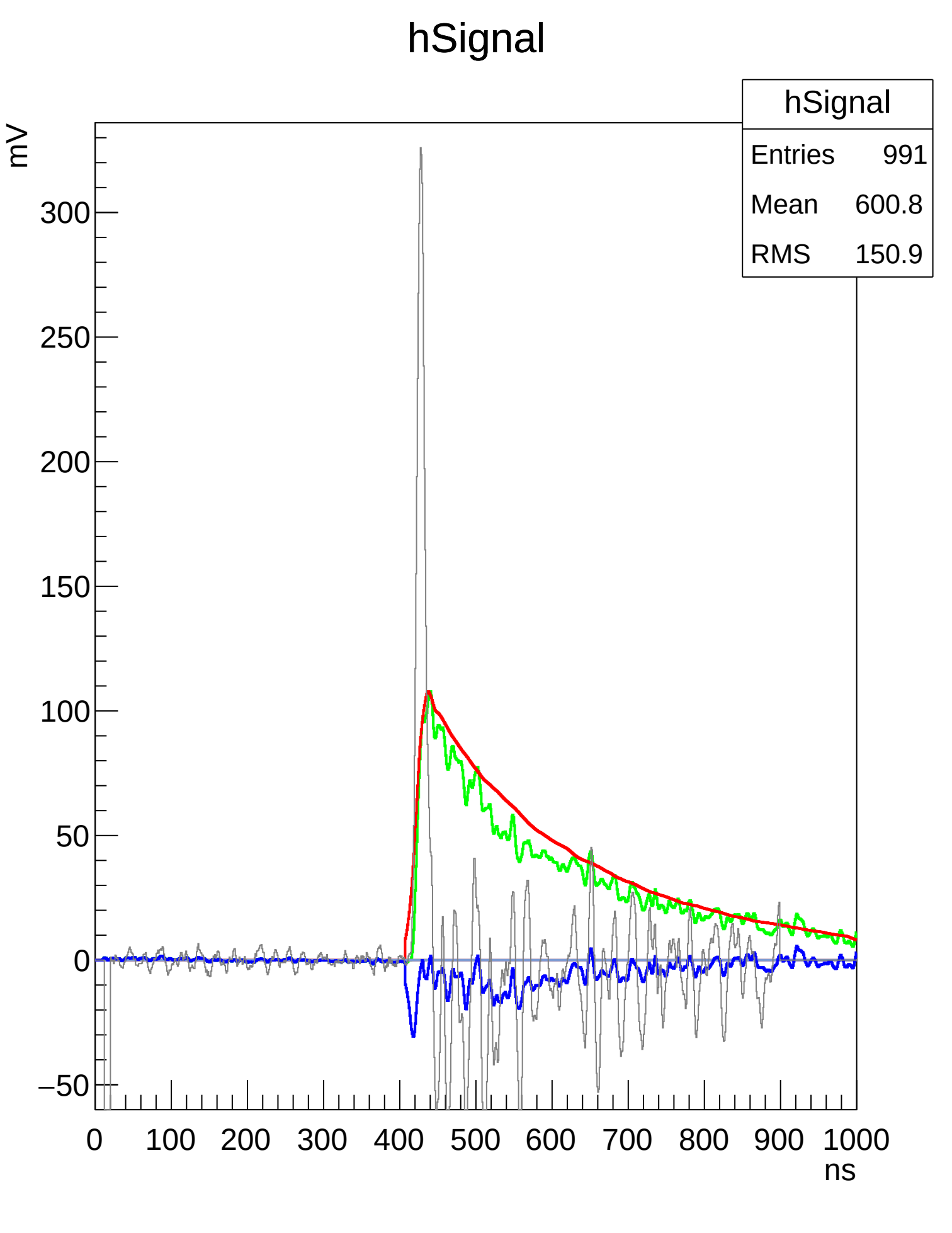
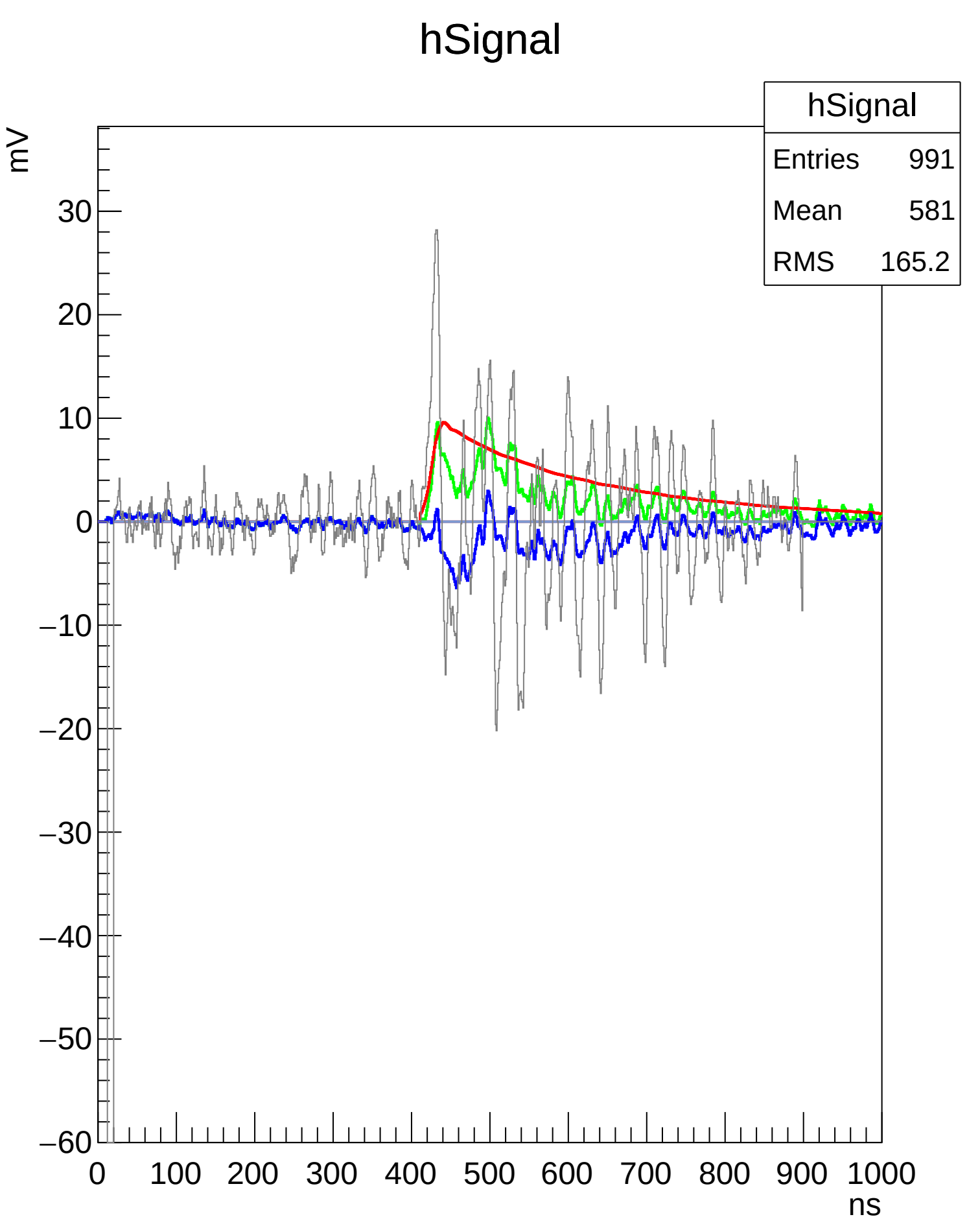
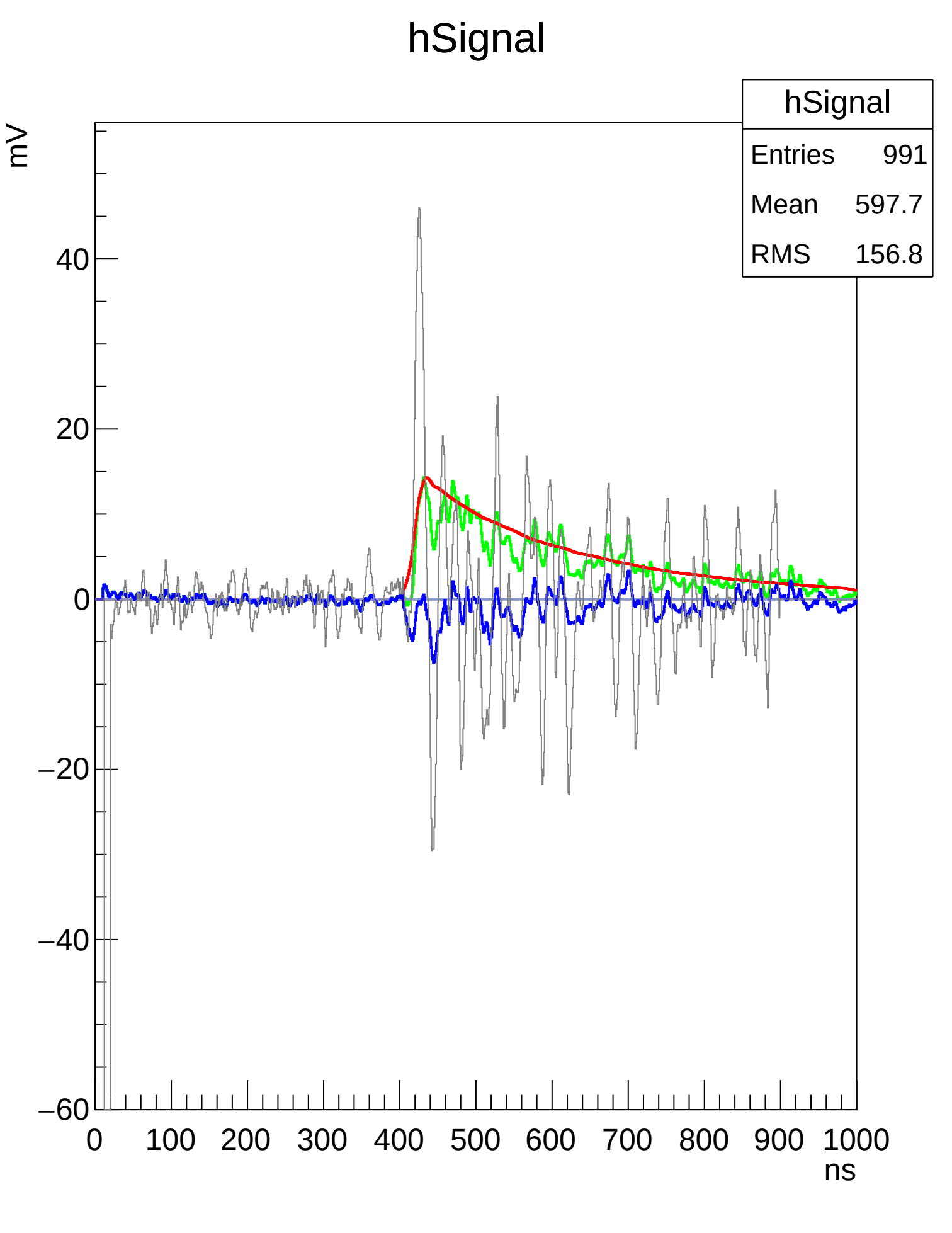
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602
RMS 151.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.3
RMS 155.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.8
RMS 150.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 165.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 156.8
mV
40
20
0
−20
−40
−60
0
100
200
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400
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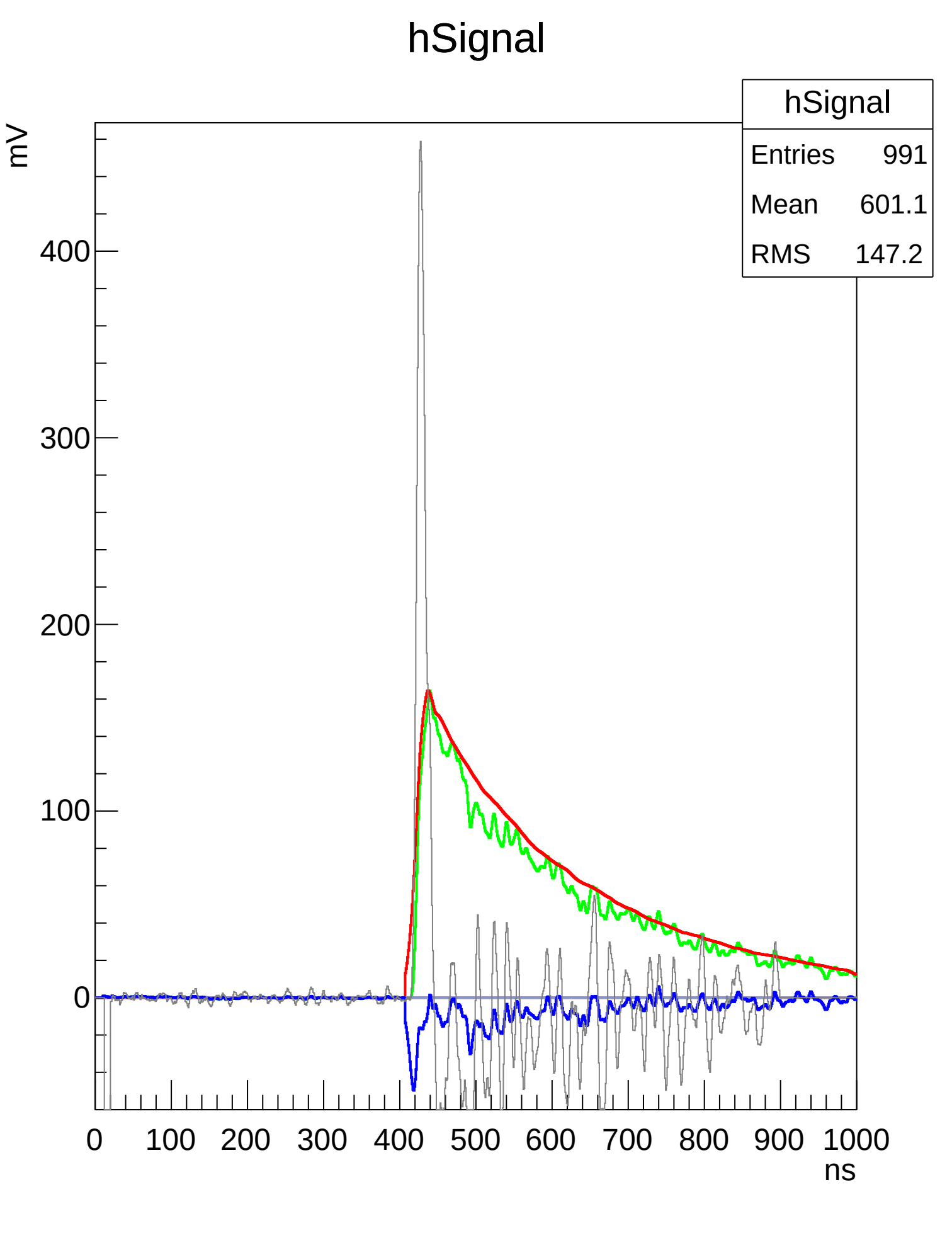
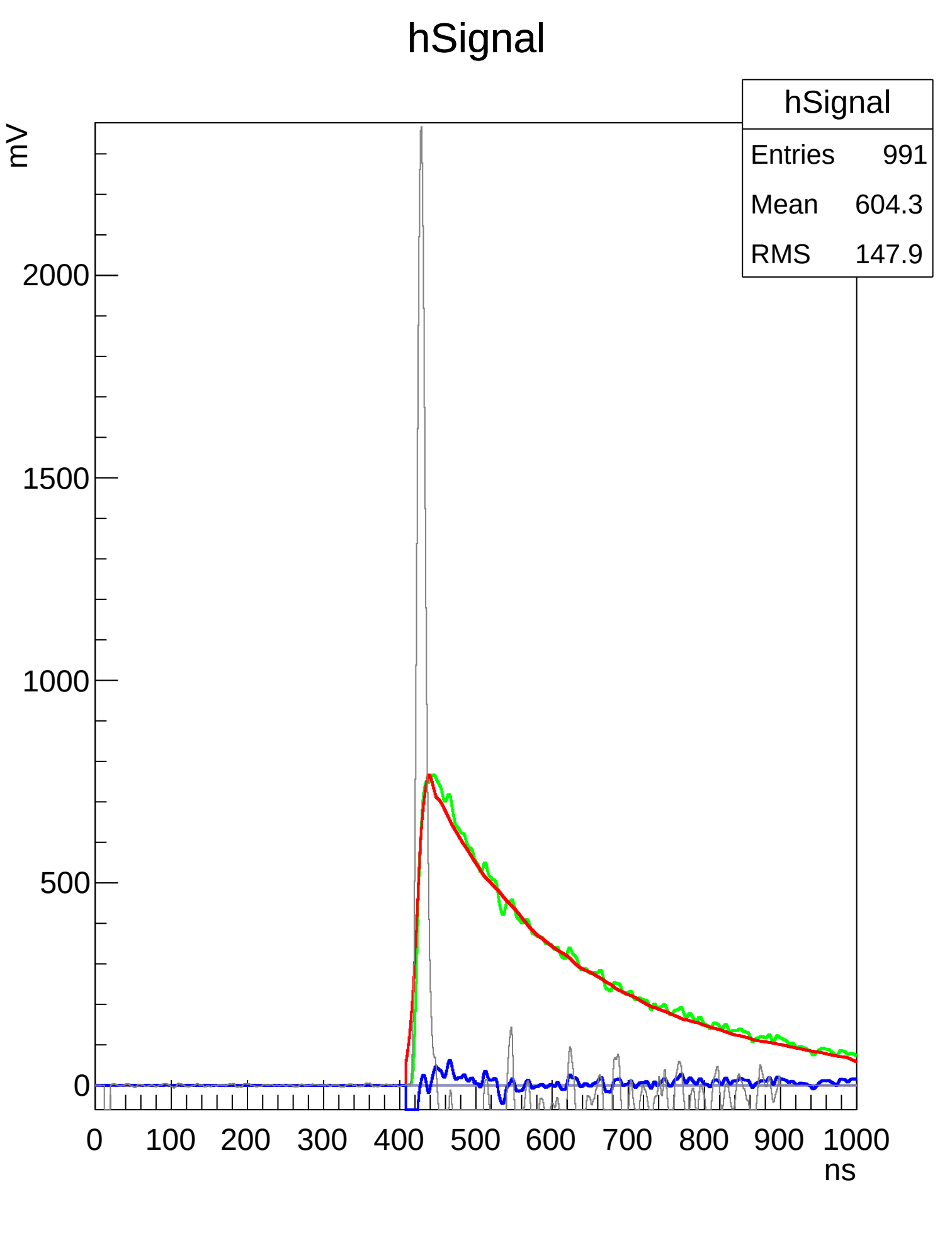
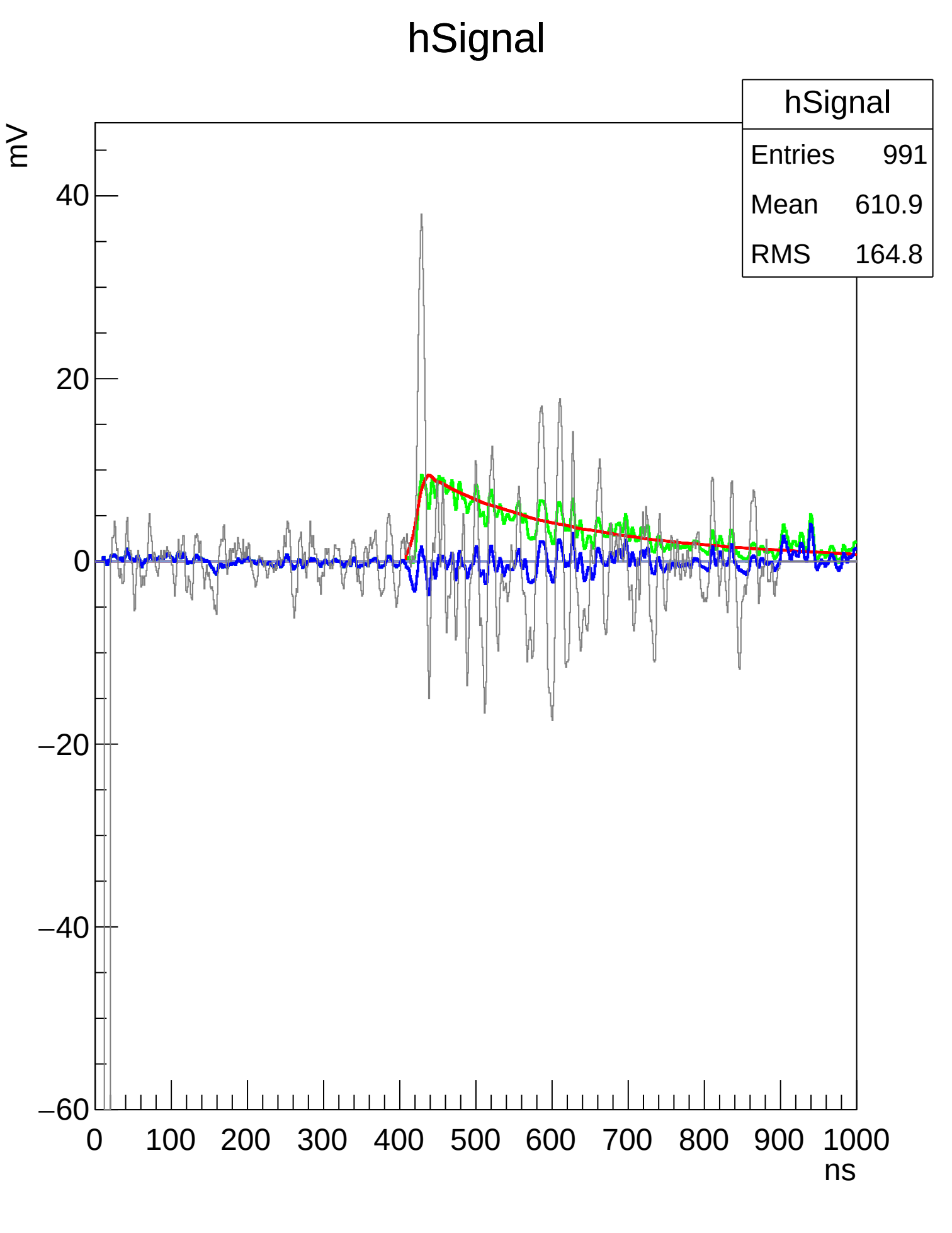
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.1
RMS 147.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.3
RMS 147.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 610.9
RMS 164.8
mV
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20
0
−20
−40
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0
100
200
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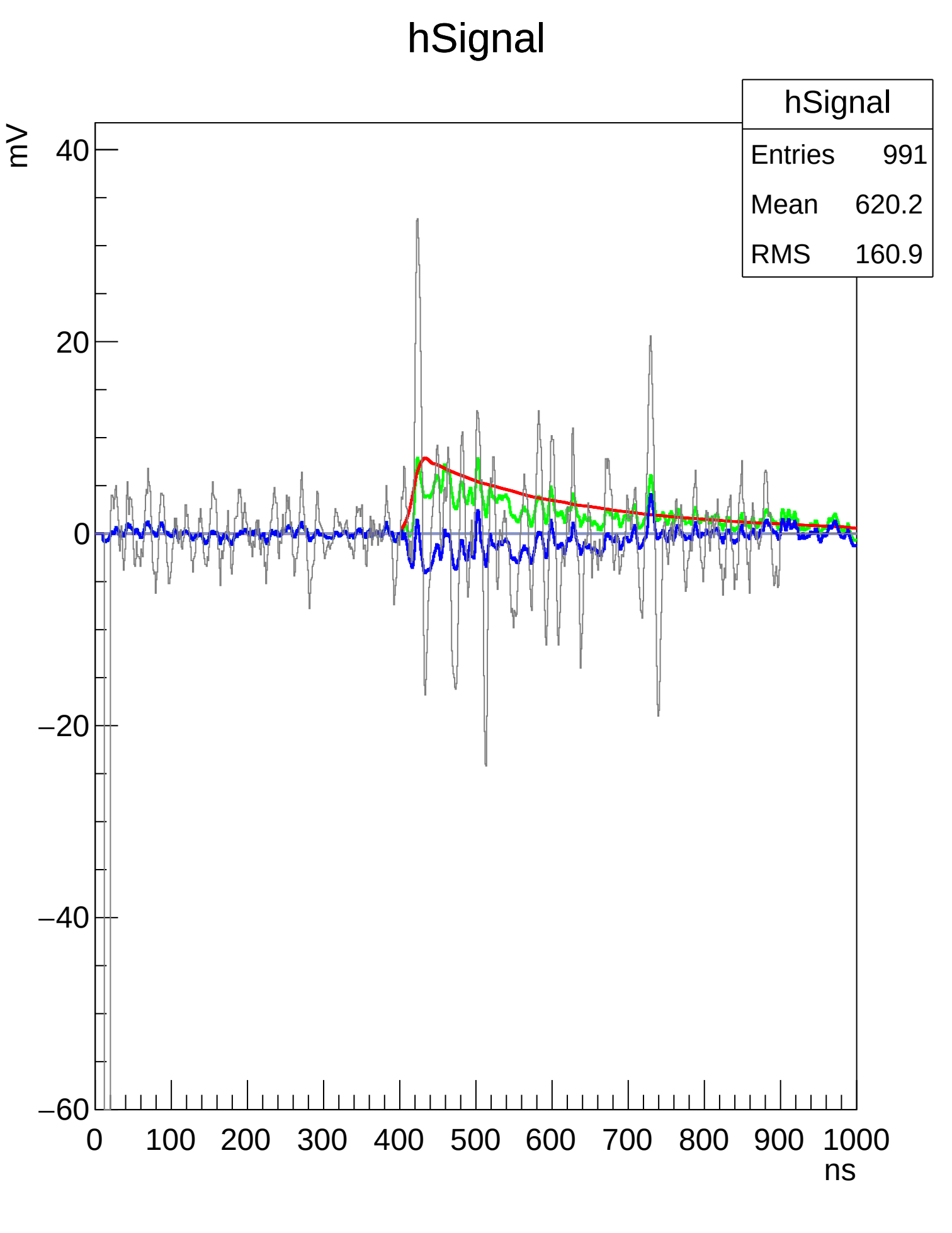
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.2
RMS 160.9
mV
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−20
−40
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0
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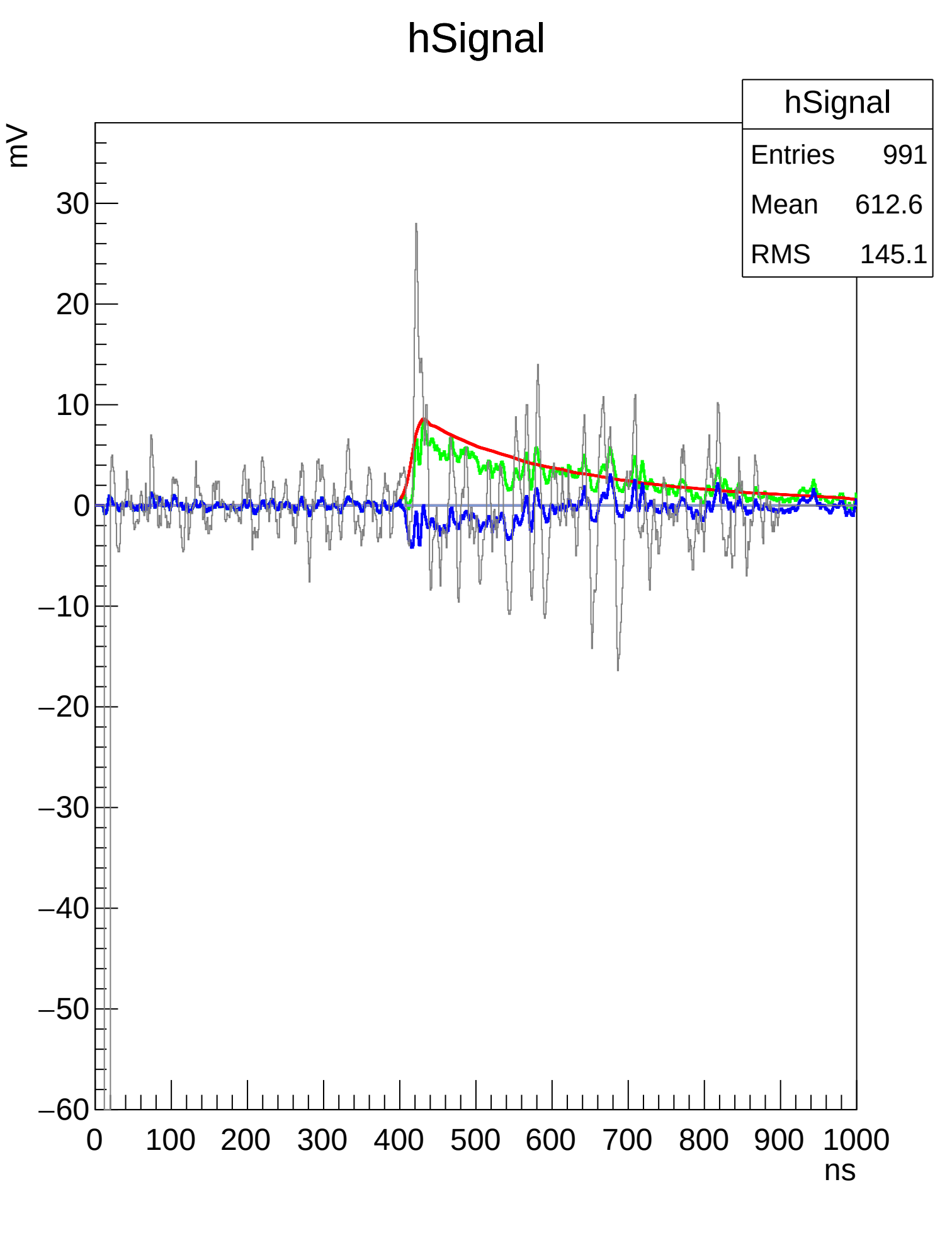
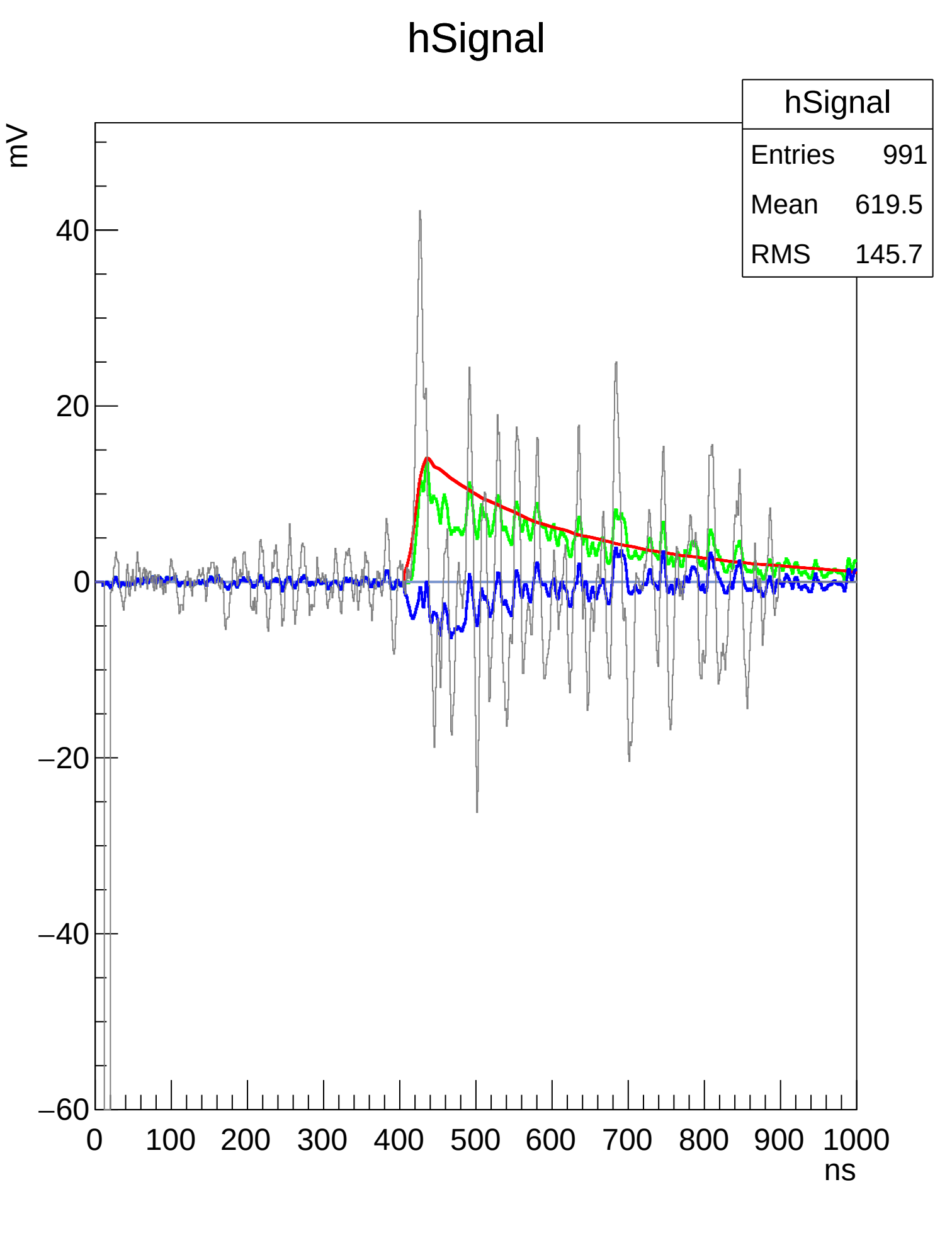
1000
ns


hSignal
hSignal
Entries 991
Mean 612.6
RMS 145.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.5
RMS 145.7
mV
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20
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−20
−40
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0
100
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700
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900
1000
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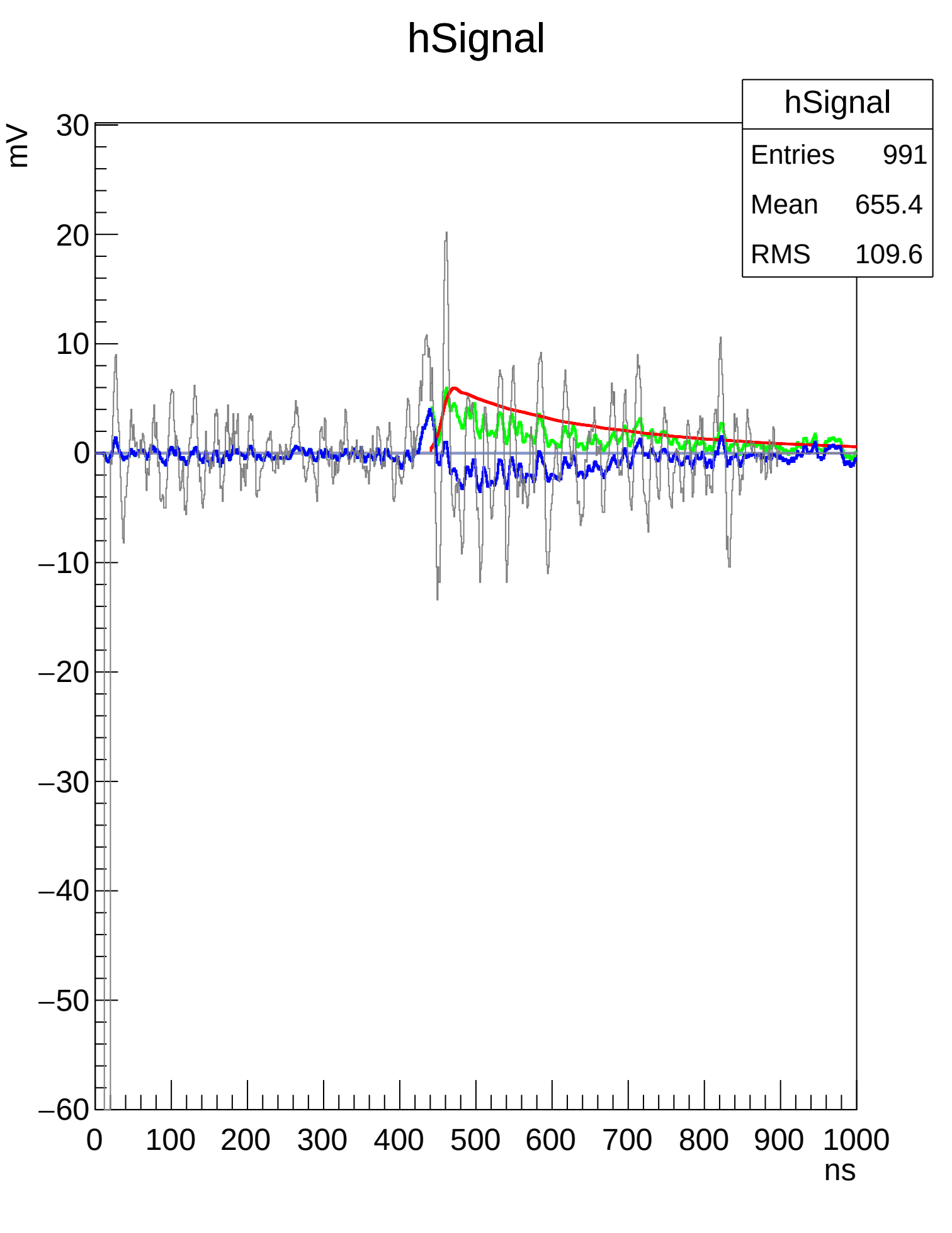
hSignal
hSignal
Entries 991
Mean 655.4
RMS 109.6
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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800
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1000
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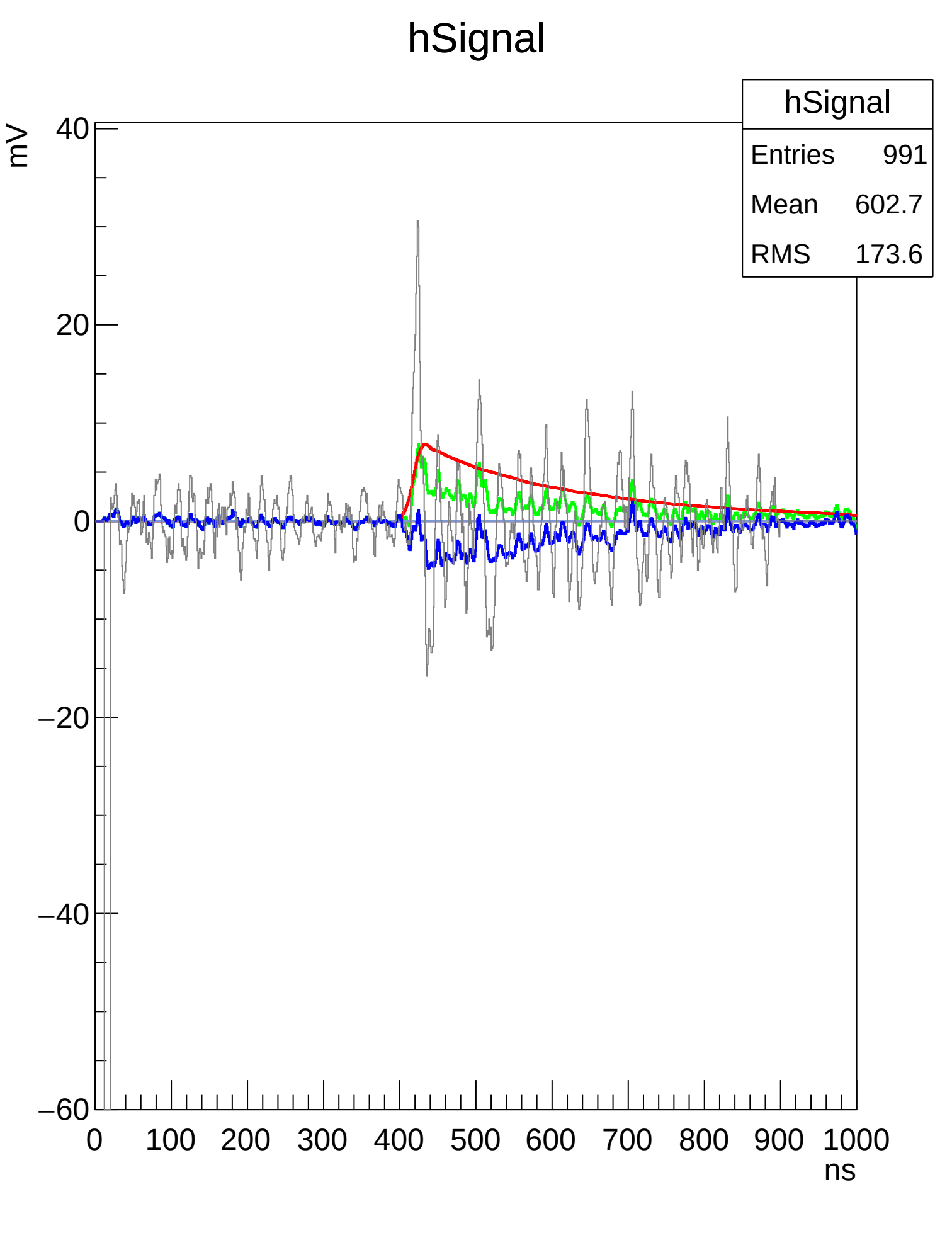
hSignal
hSignal
Entries 991
Mean 602.7
RMS 173.6
mV
40
20
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−20
−40
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0
100
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800
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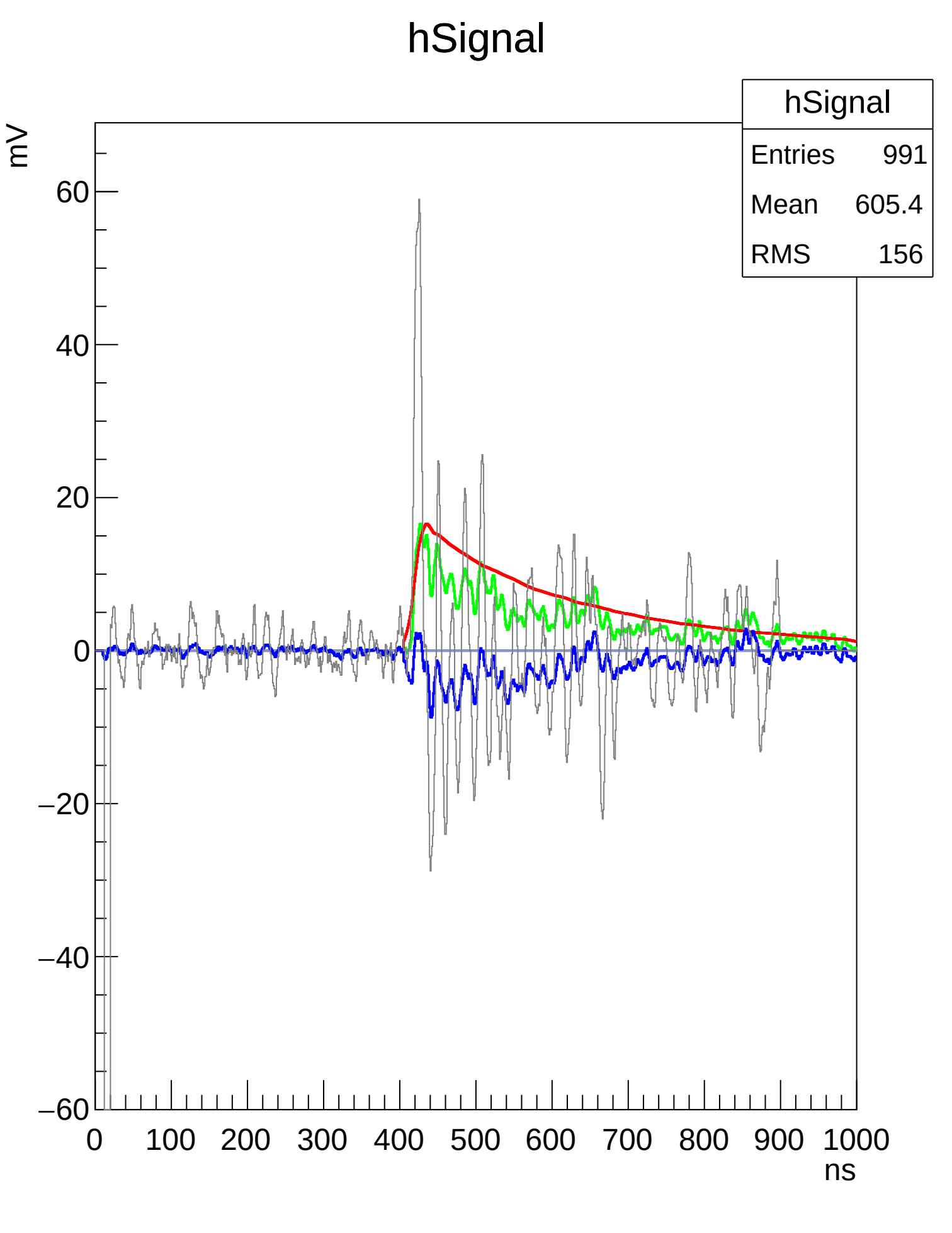
1000
ns


hSignal
hSignal
Entries 991
Mean 605.4
RMS 156
mV
60
40
20
0
−20
−40
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0
100
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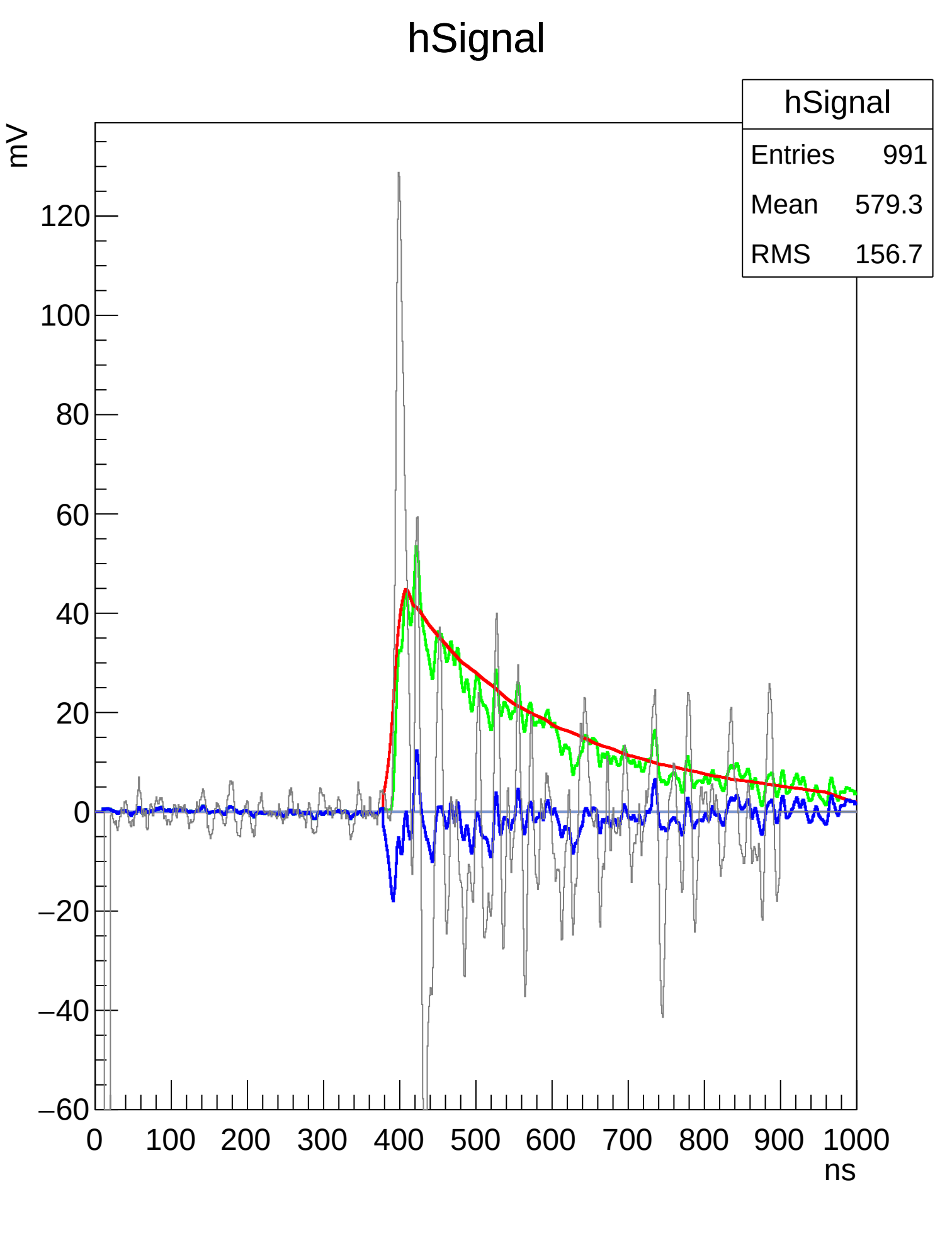
1000
ns


hSignal
hSignal
Entries 991
Mean 579.3
RMS 156.7
mV
120
100
80
60
40
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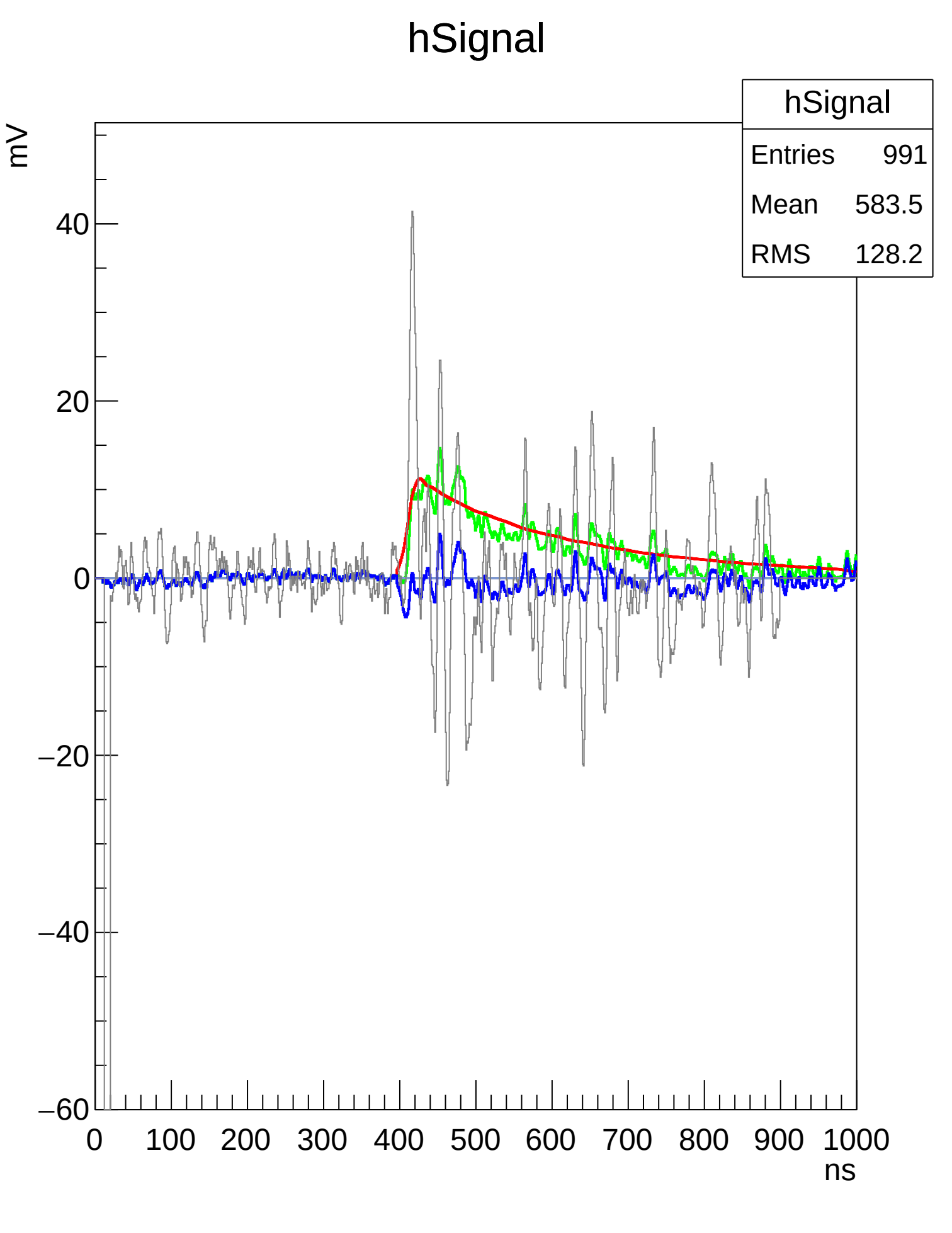
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.5
RMS 128.2
mV
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−20
−40
−60
0
100
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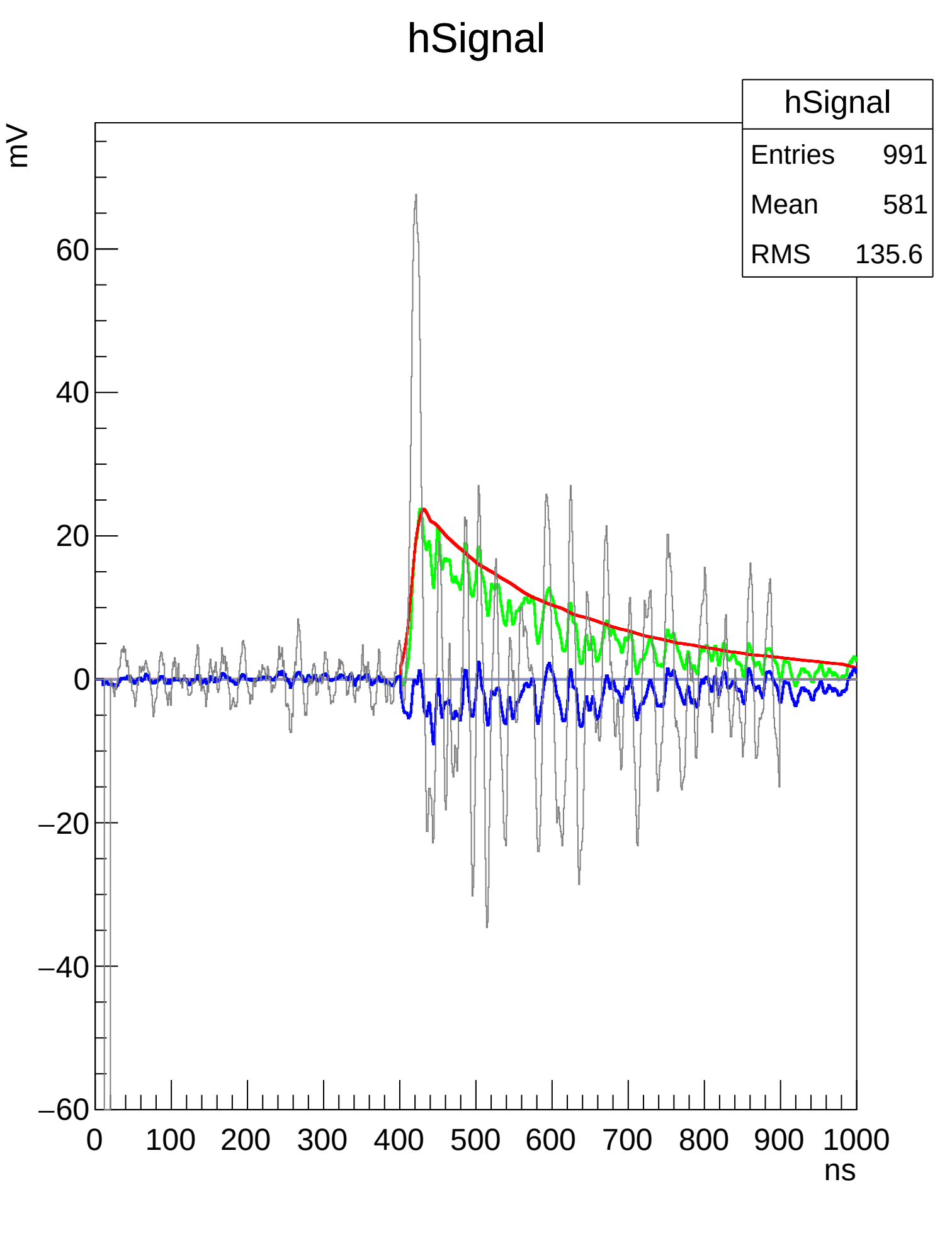
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 135.6
mV
60
40
20
0
−20
−40
−60
0
100
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600
700
800
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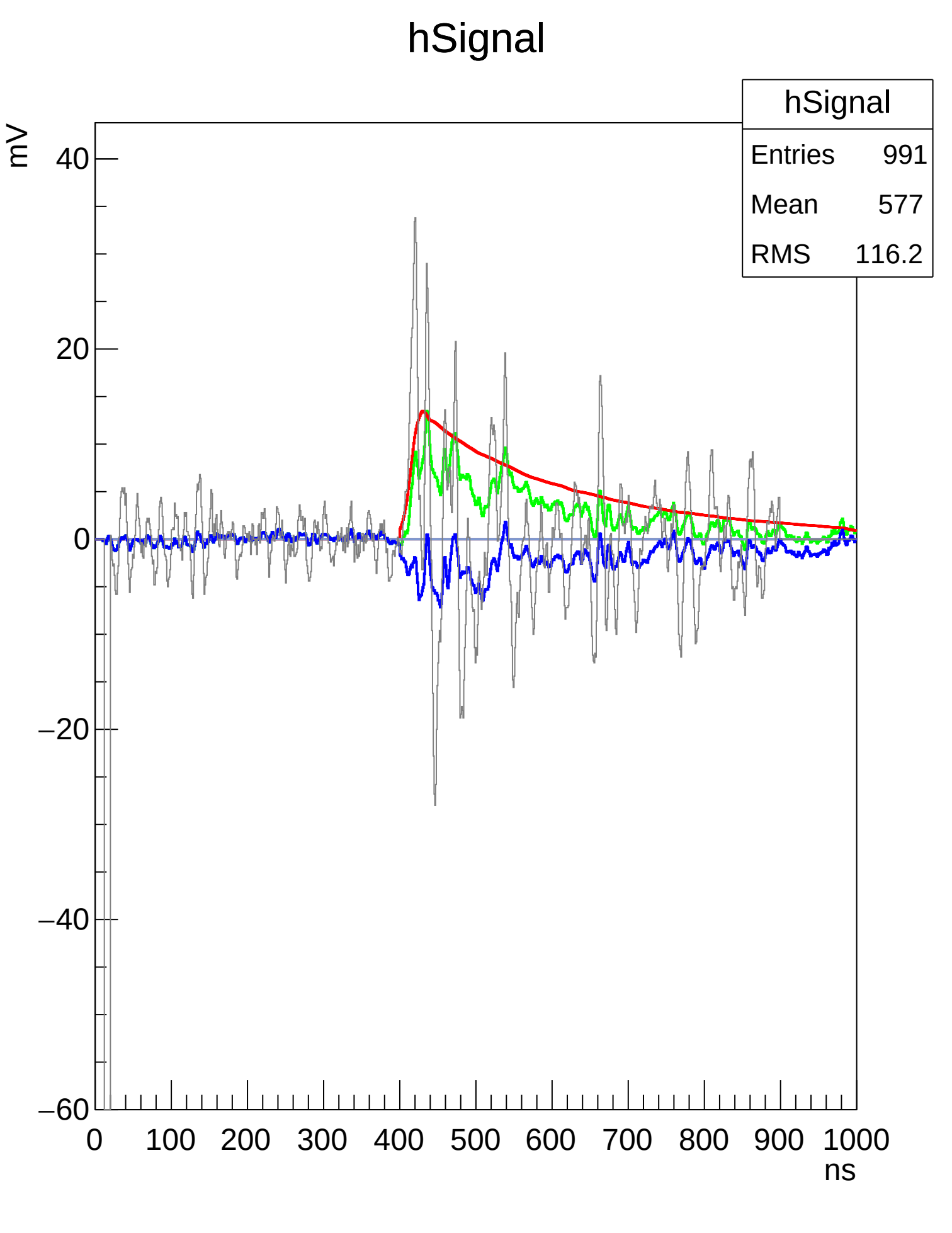
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 116.2
mV
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−20
−40
−60
0
100
200
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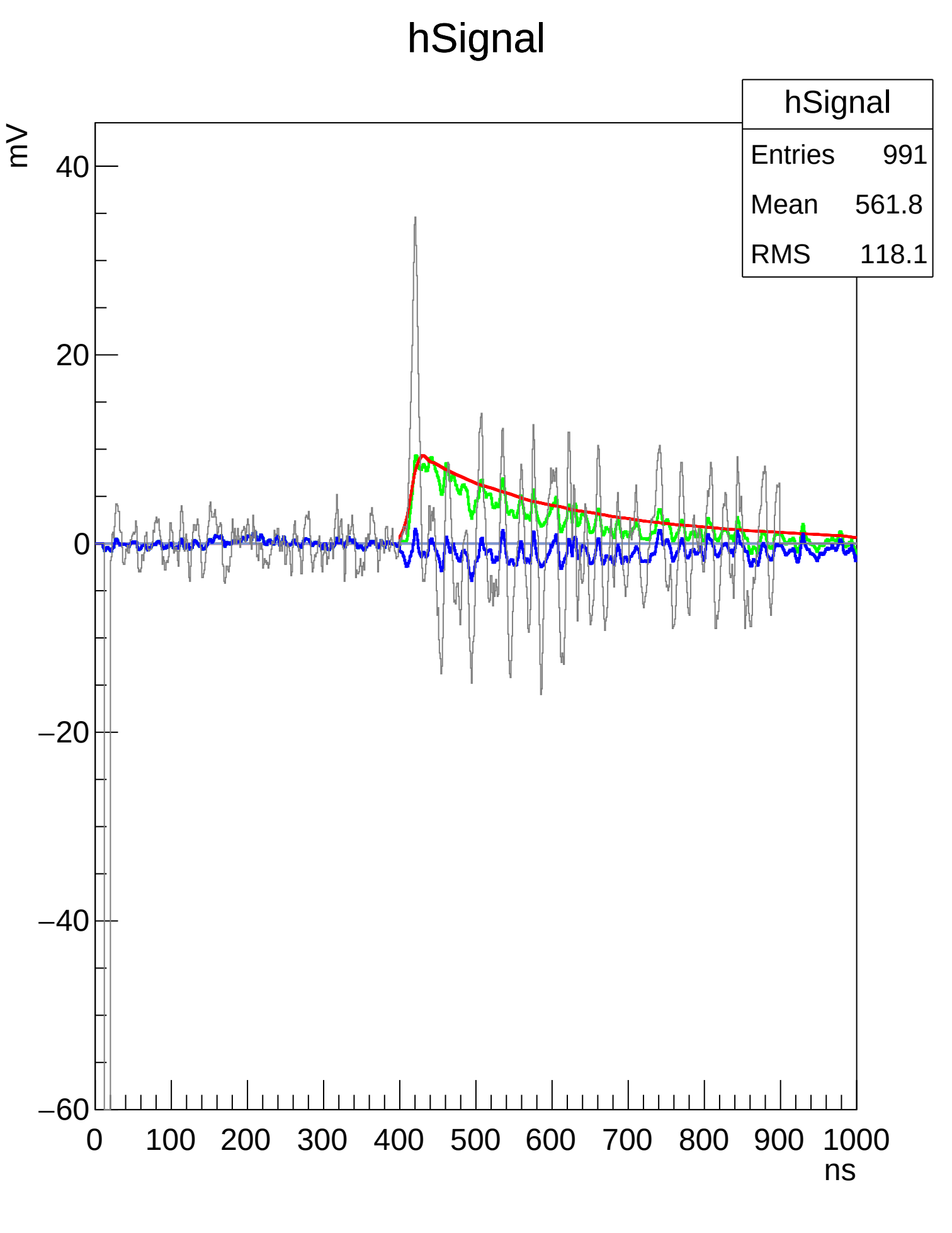
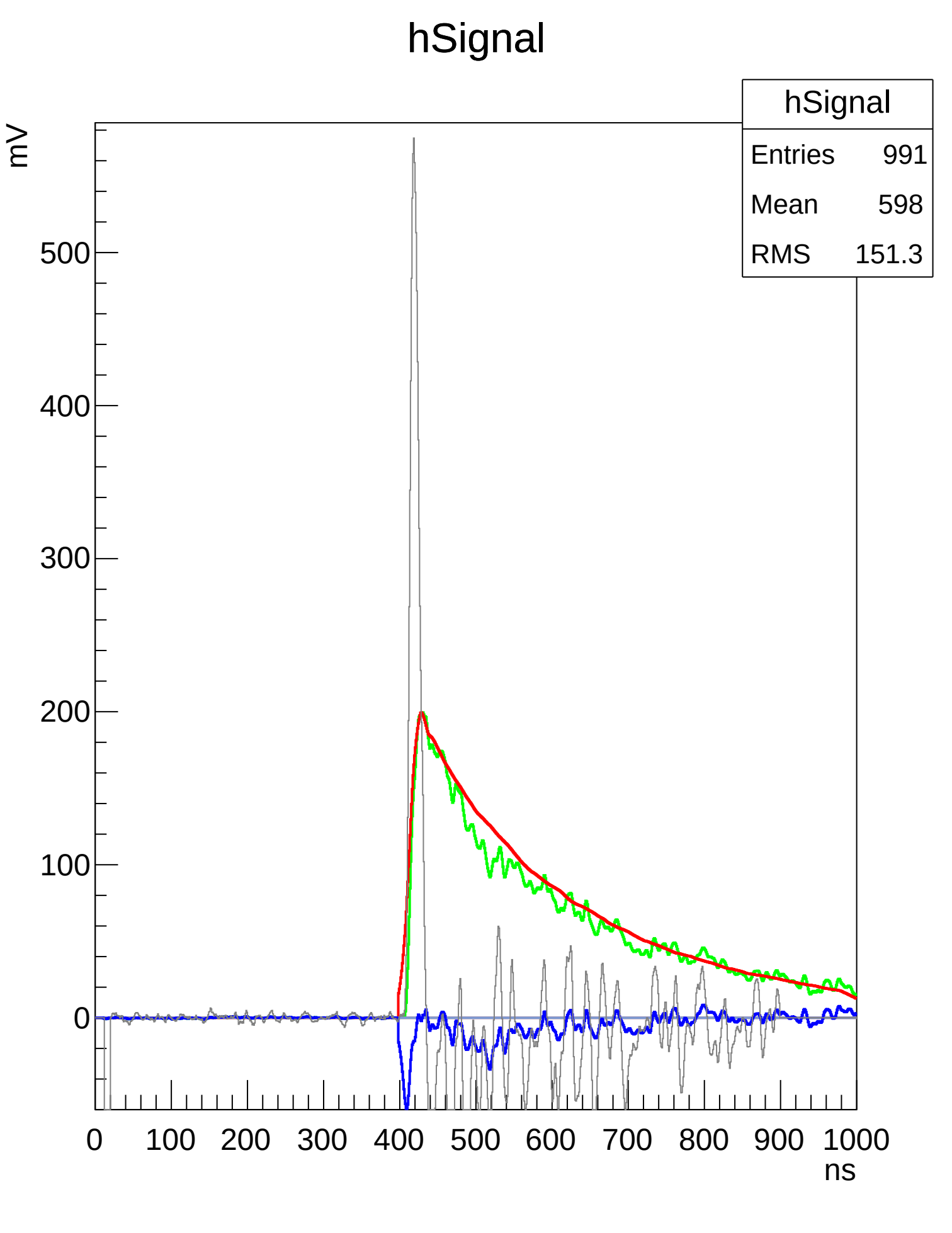
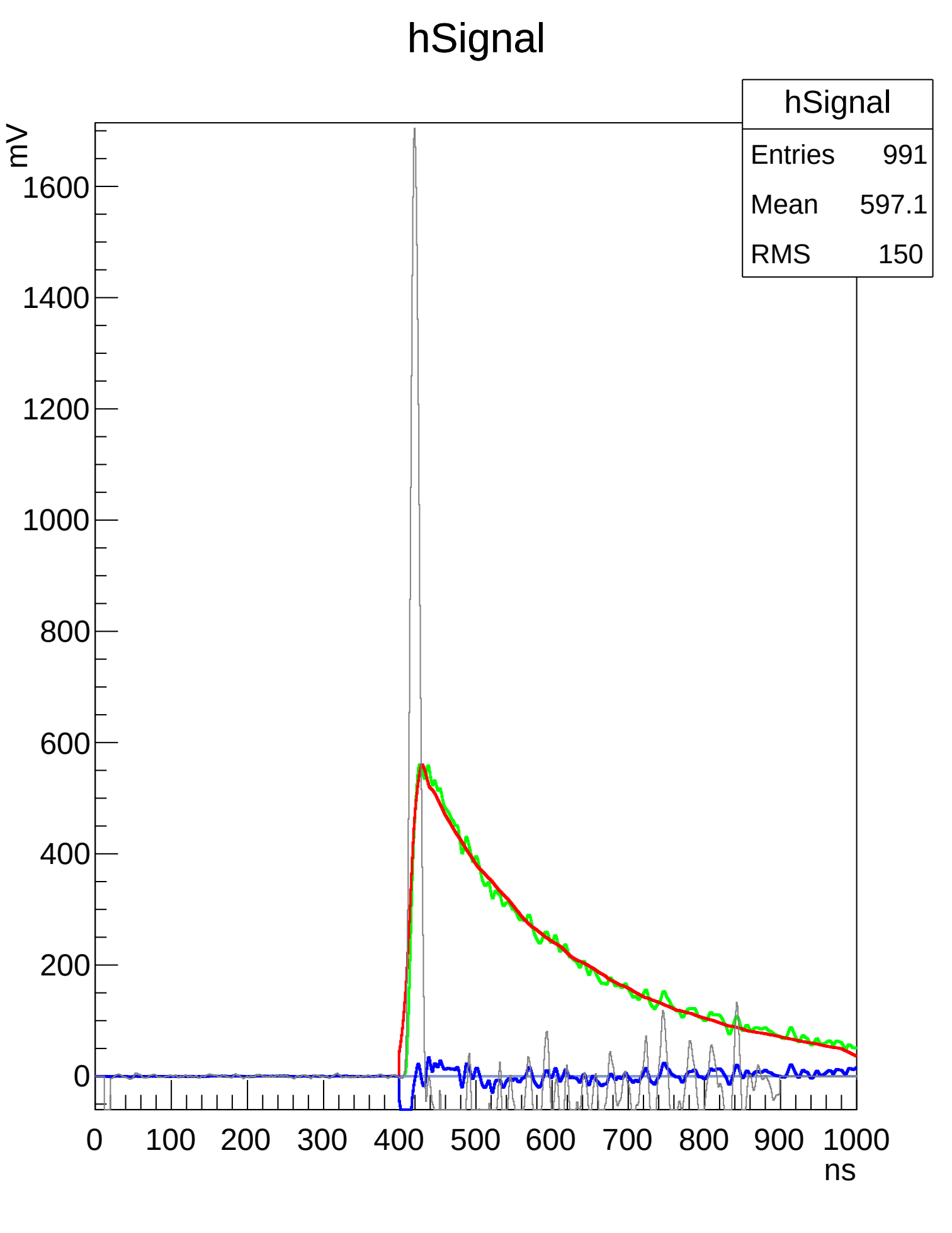
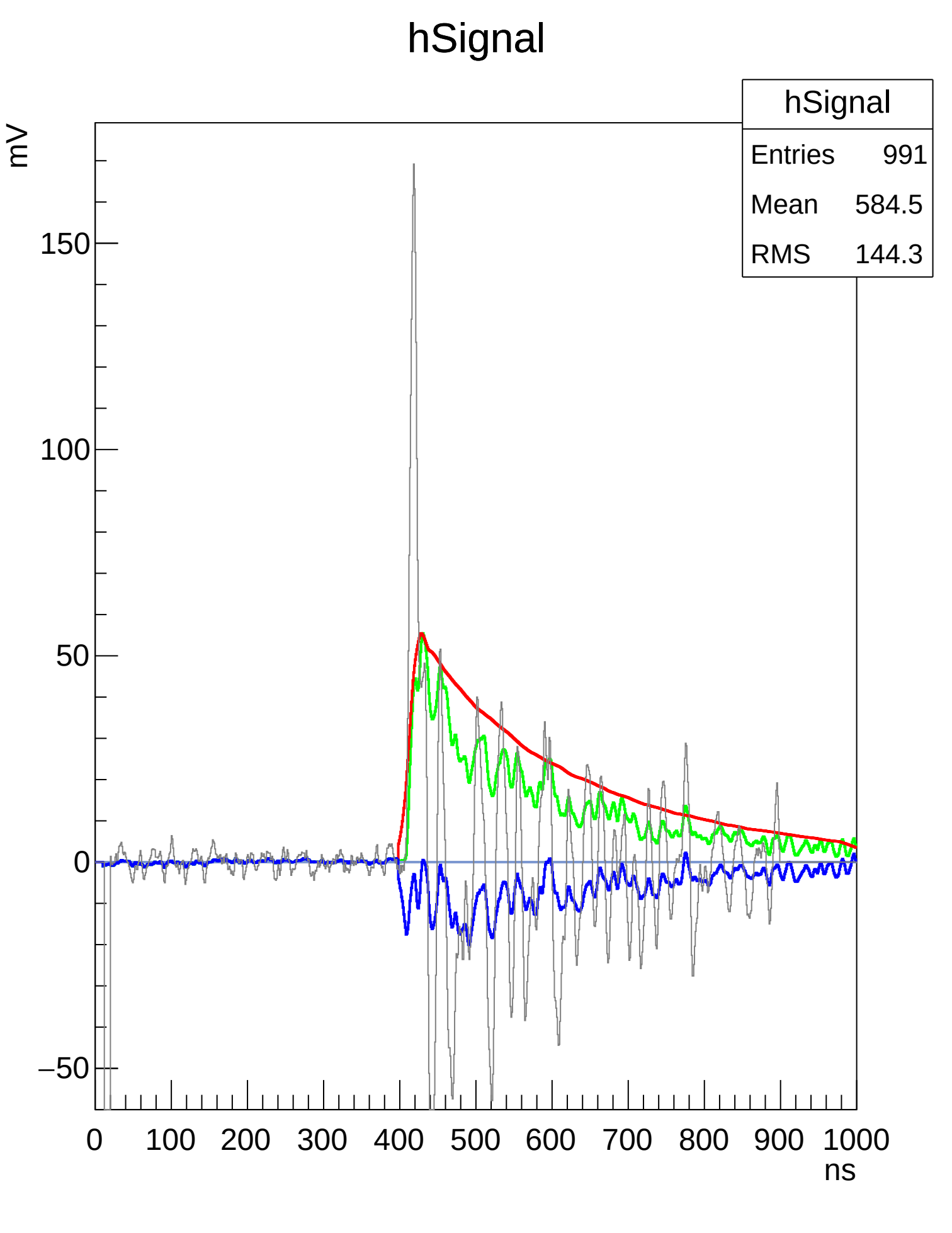
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.8
RMS 118.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598
RMS 151.3
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 597.1
RMS 150
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.5
RMS 144.3
mV
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100
50
0
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0
100
200
300
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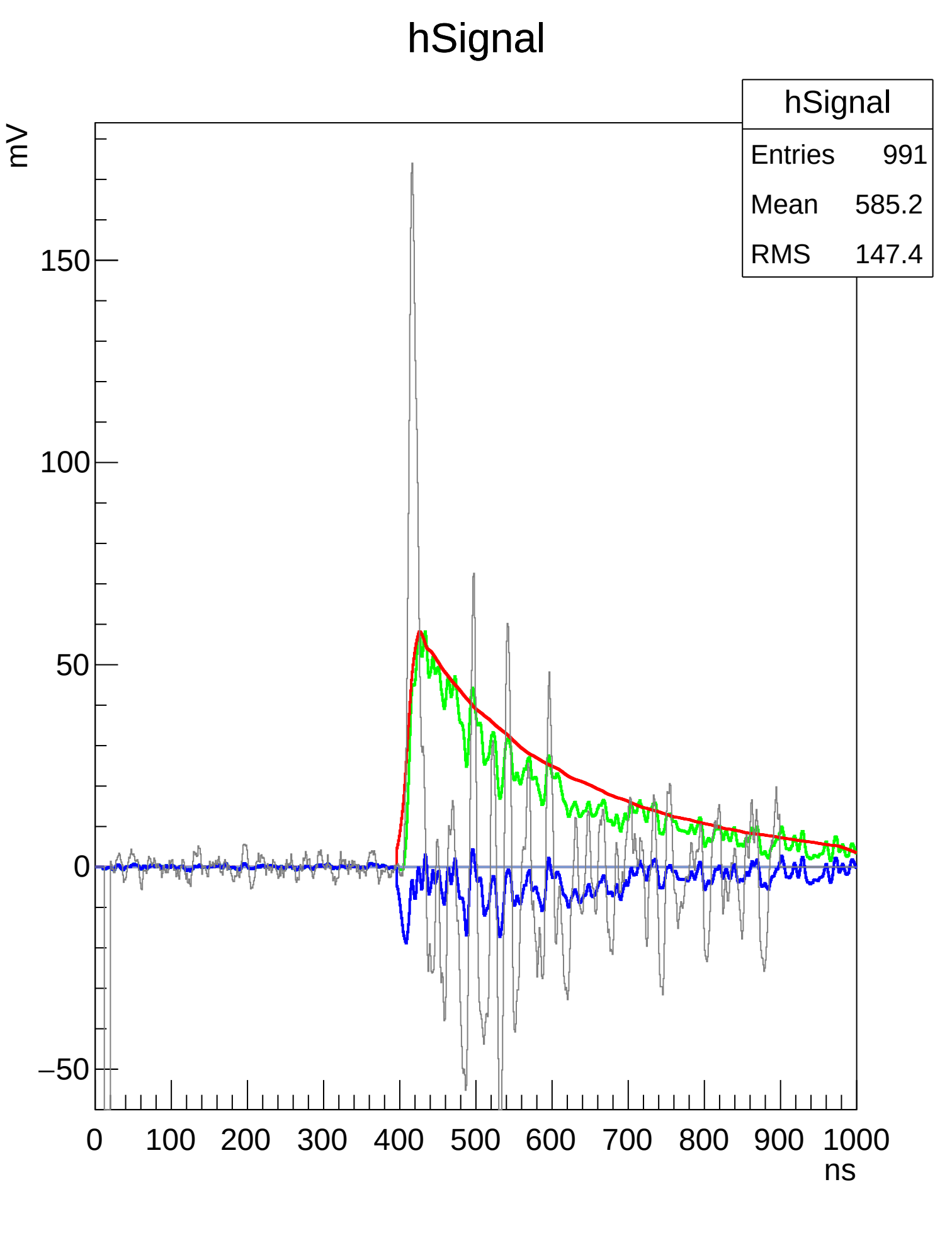
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.2
RMS 147.4
mV
150
100
50
0
−50
0
100
200
300
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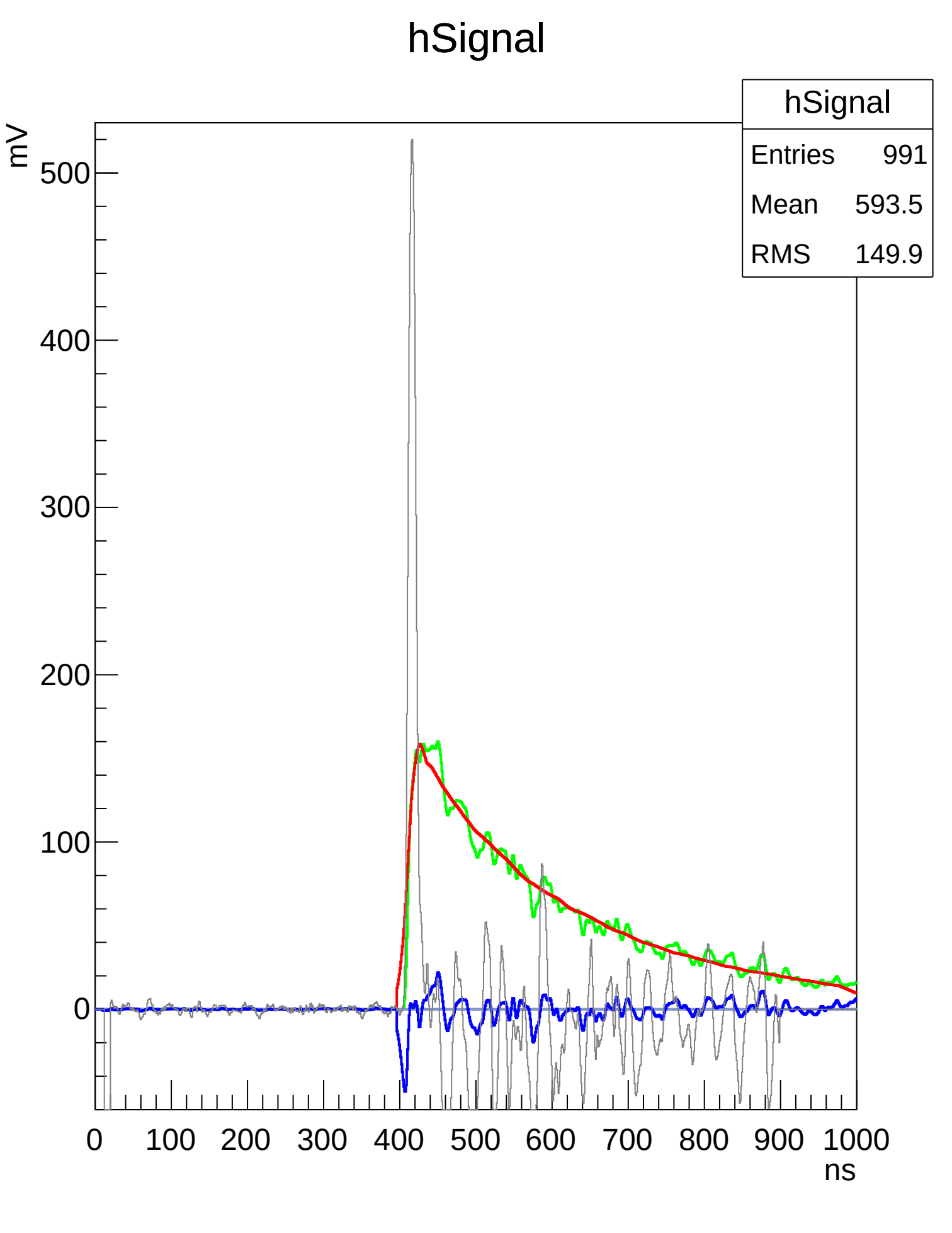
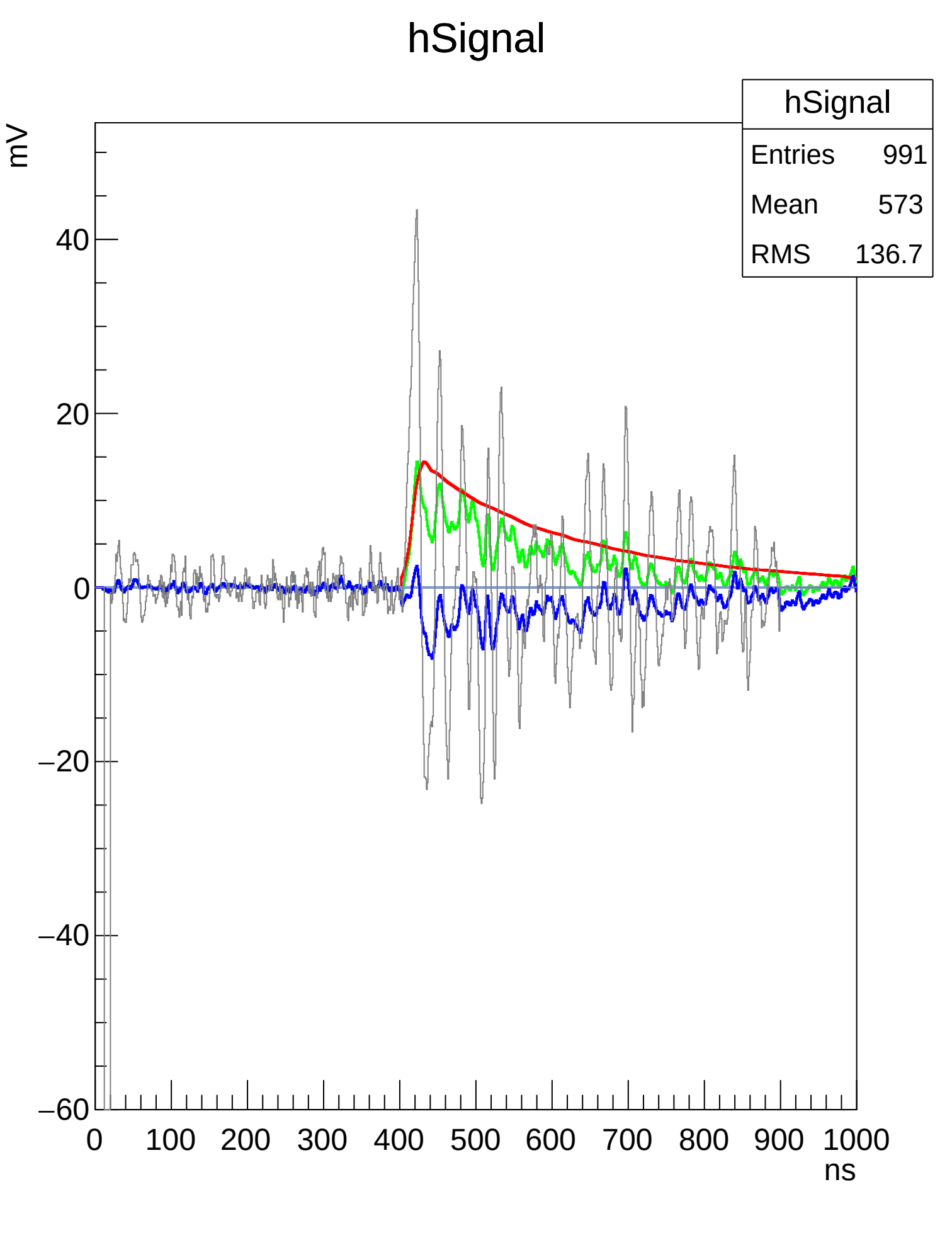
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.5
RMS 149.9
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573
RMS 136.7
mV
40
20
0
−20
−40
−60
0
100
200
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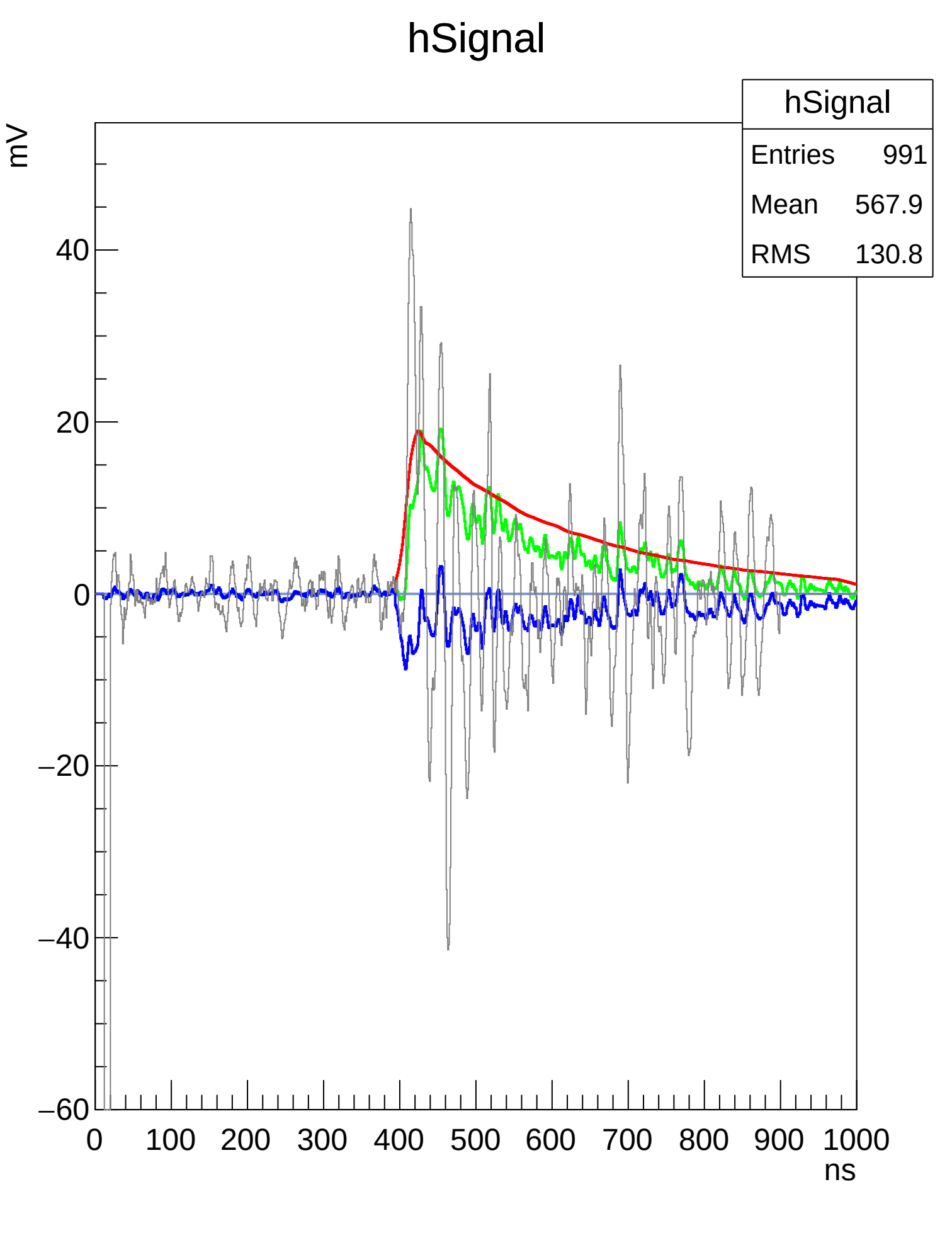
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.9
RMS 130.8
mV
40
20
0
−20
−40
−60
0
100
200
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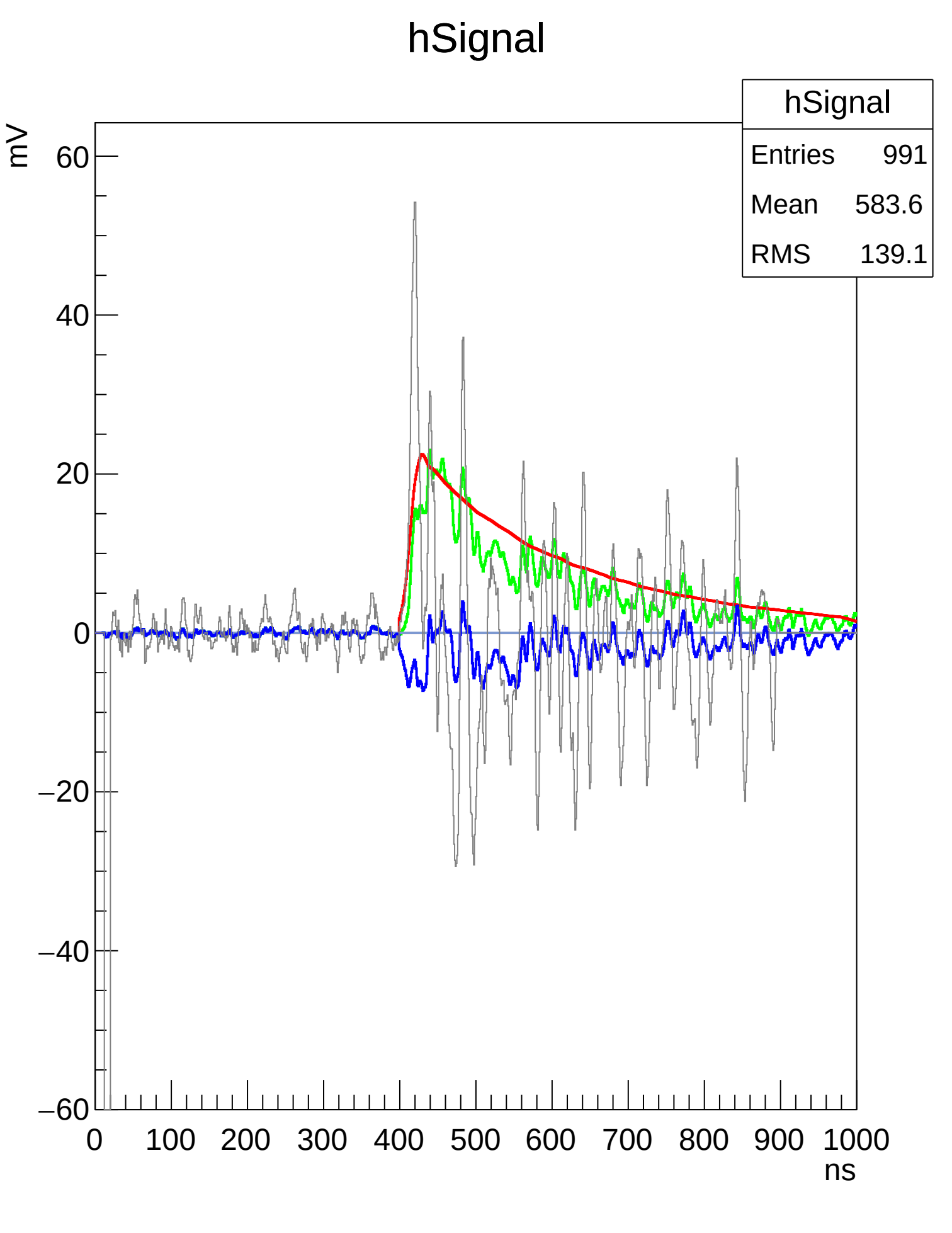
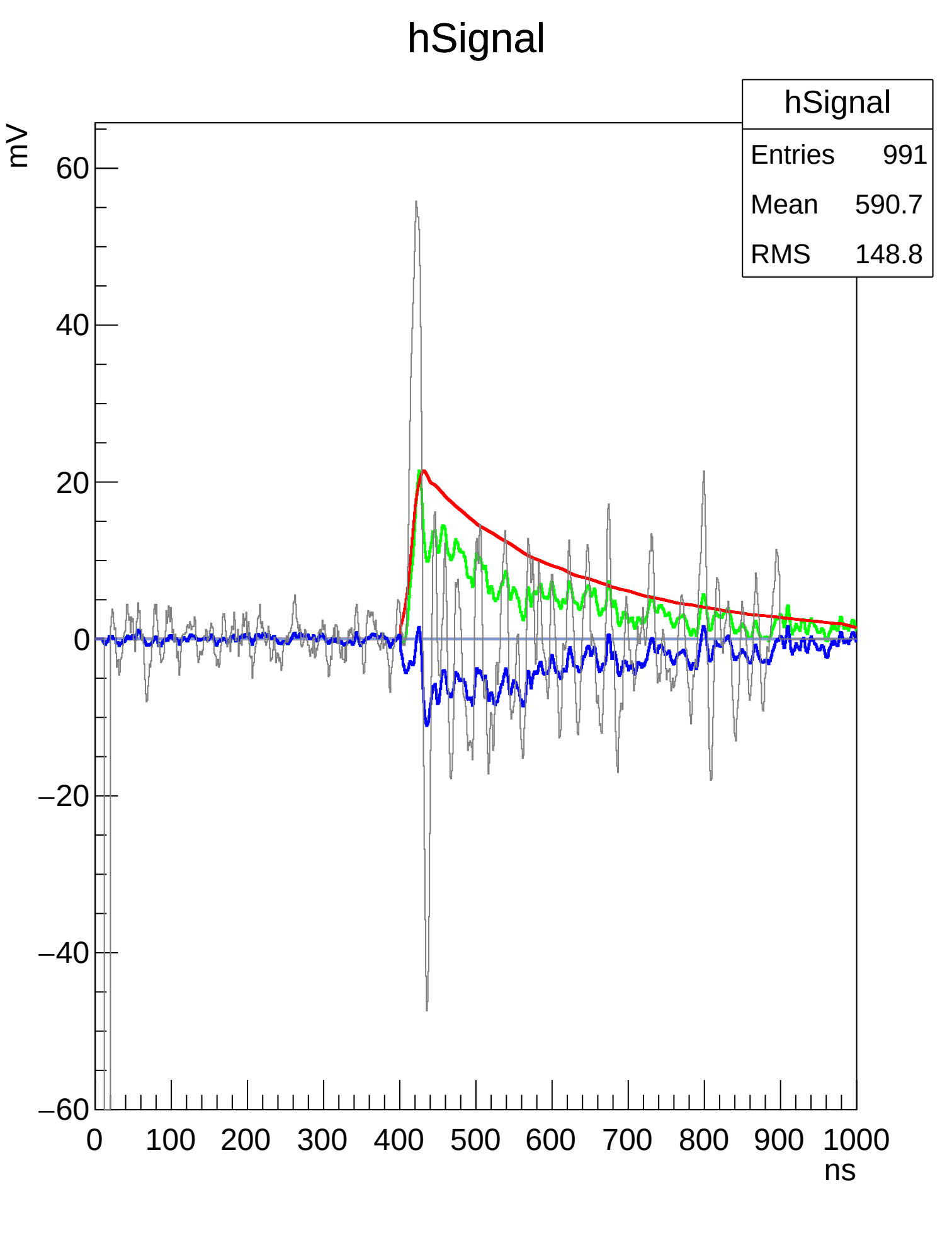
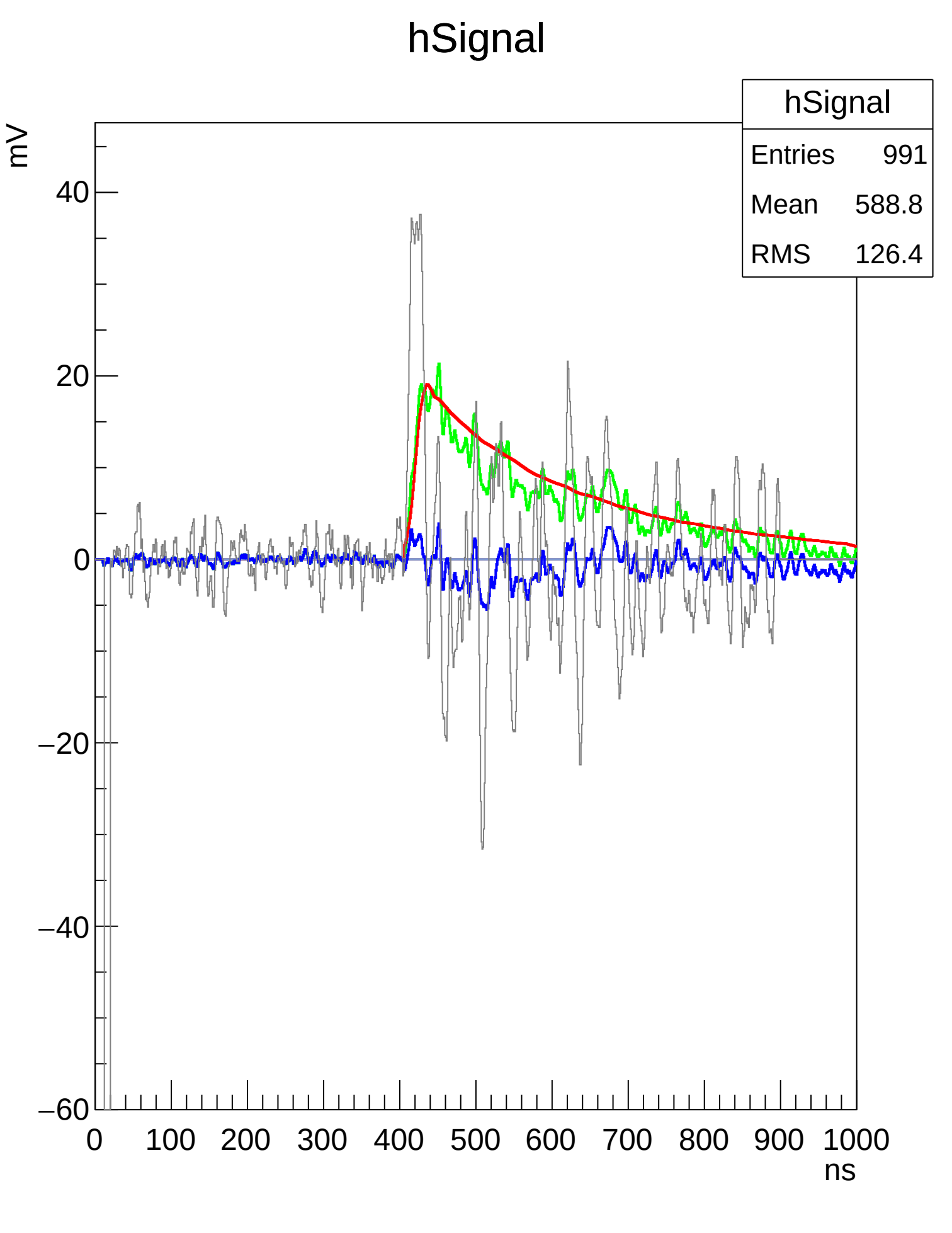
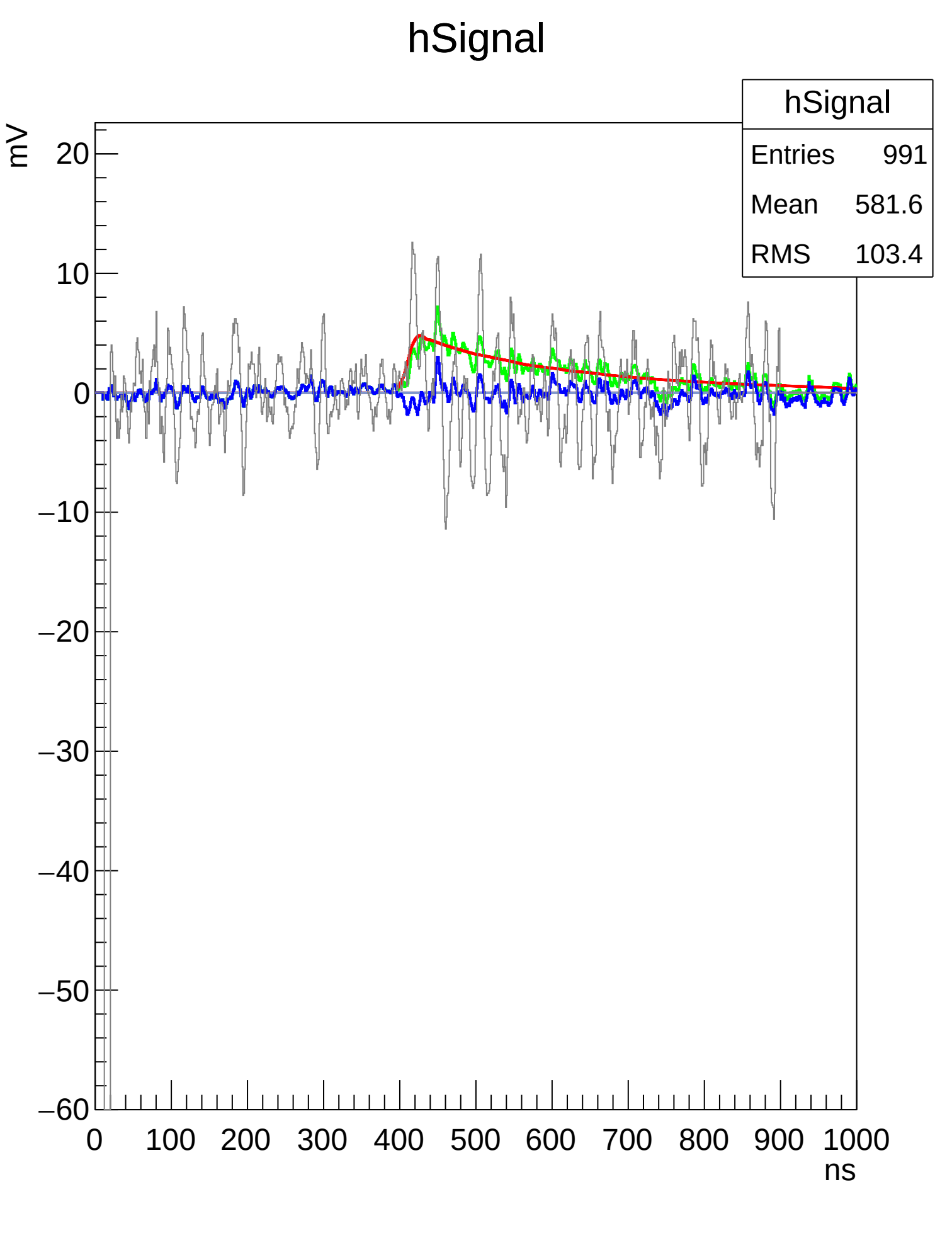
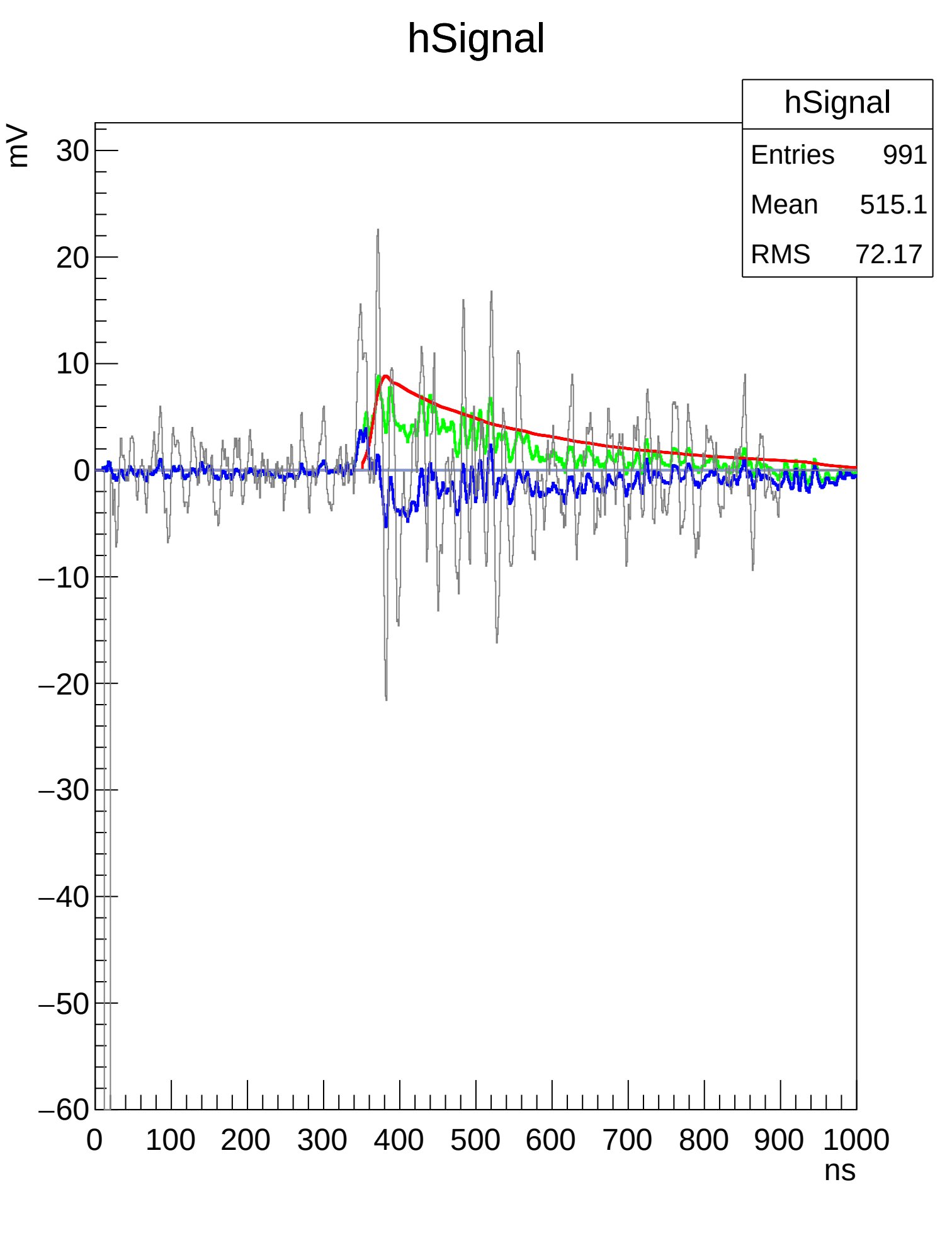
600
700
800
900
1000
ns

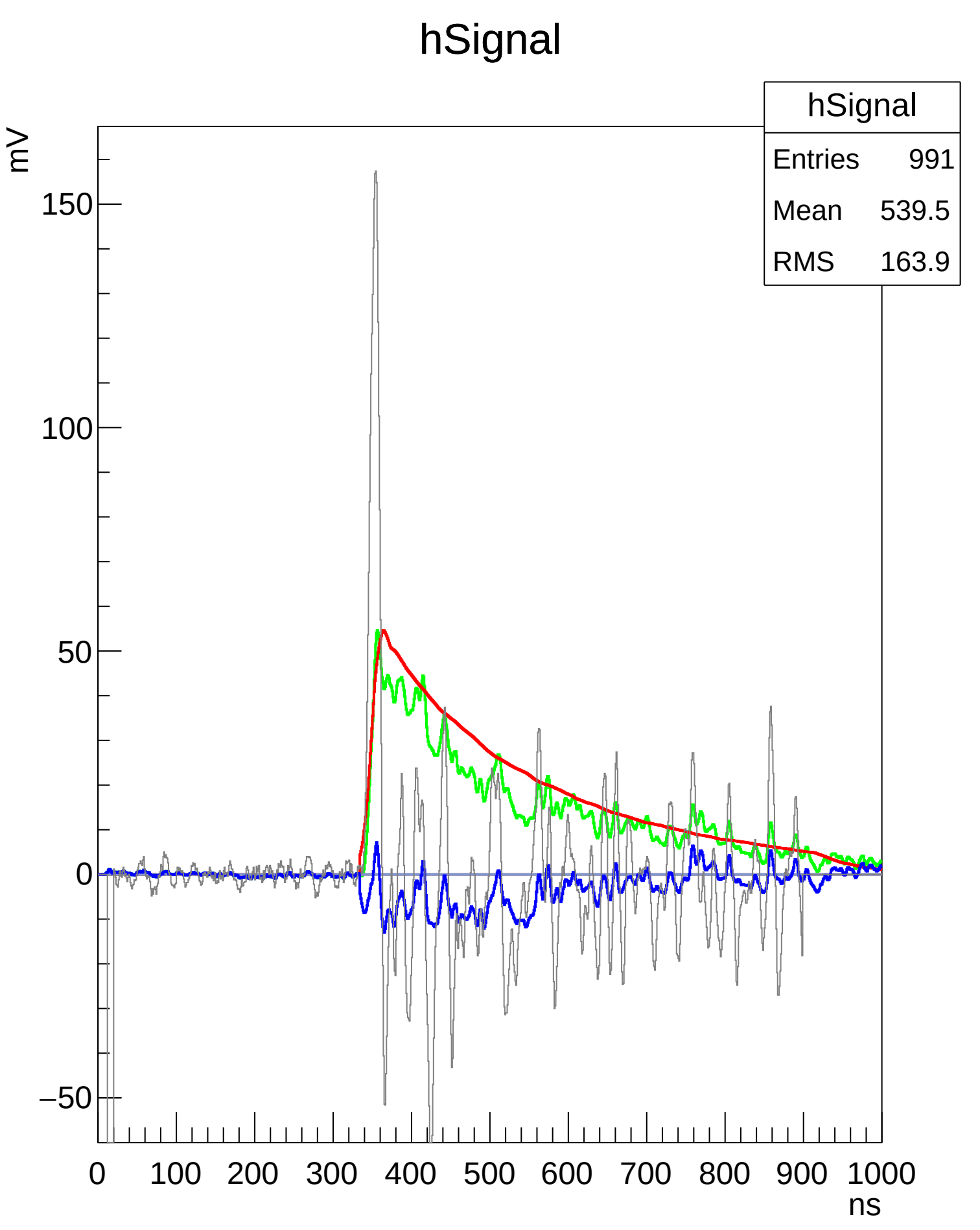

hSignal
hSignal
Entries 991
Mean 583.6
RMS 139.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

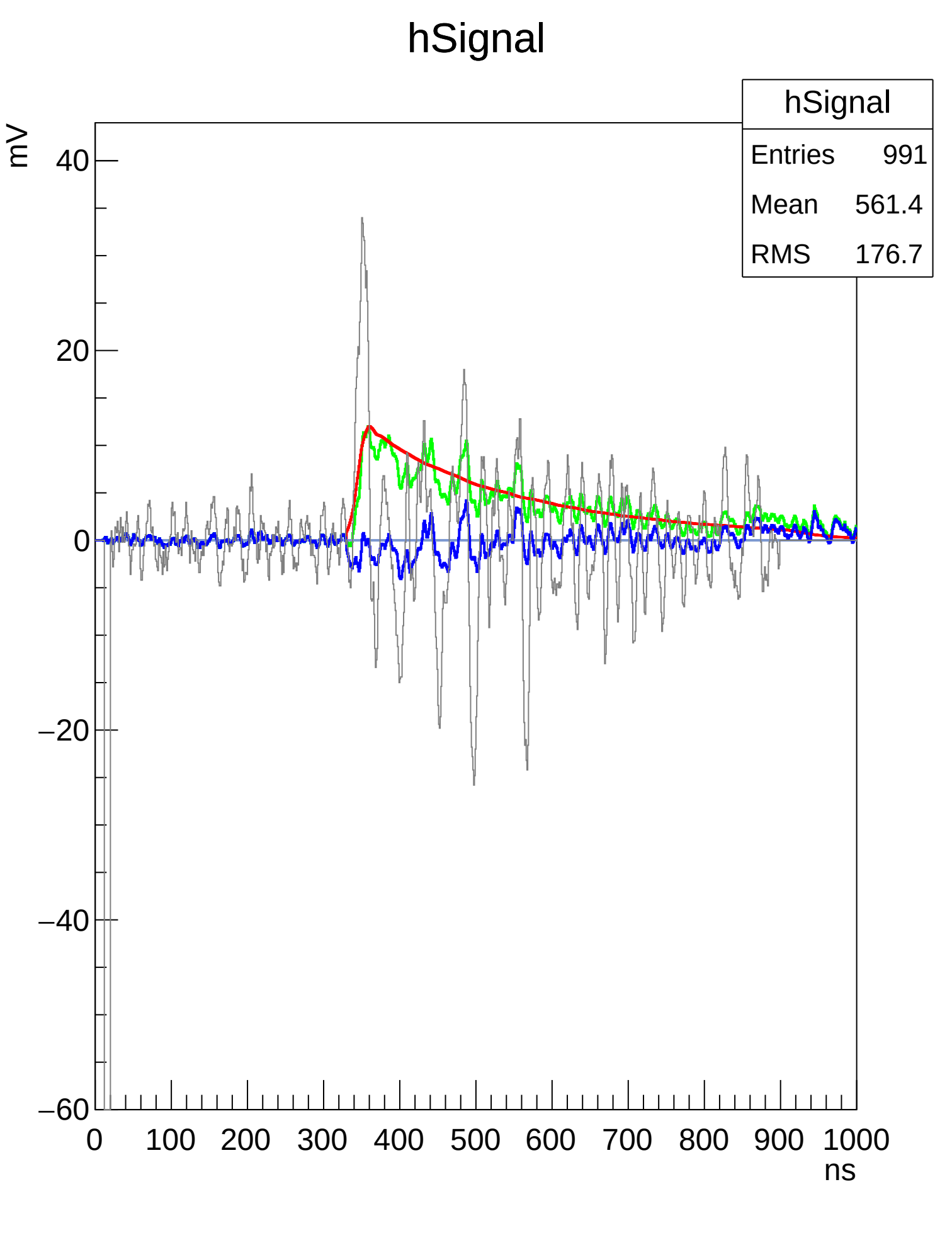

hSignal
hSignal
Entries 991
Mean 590.7
RMS 148.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.8
RMS 126.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.6
RMS 103.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.1
RMS 72.17
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.5
RMS 163.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.4
RMS 176.7
mV
40
20
0
−20
−40
−60
0
100
200
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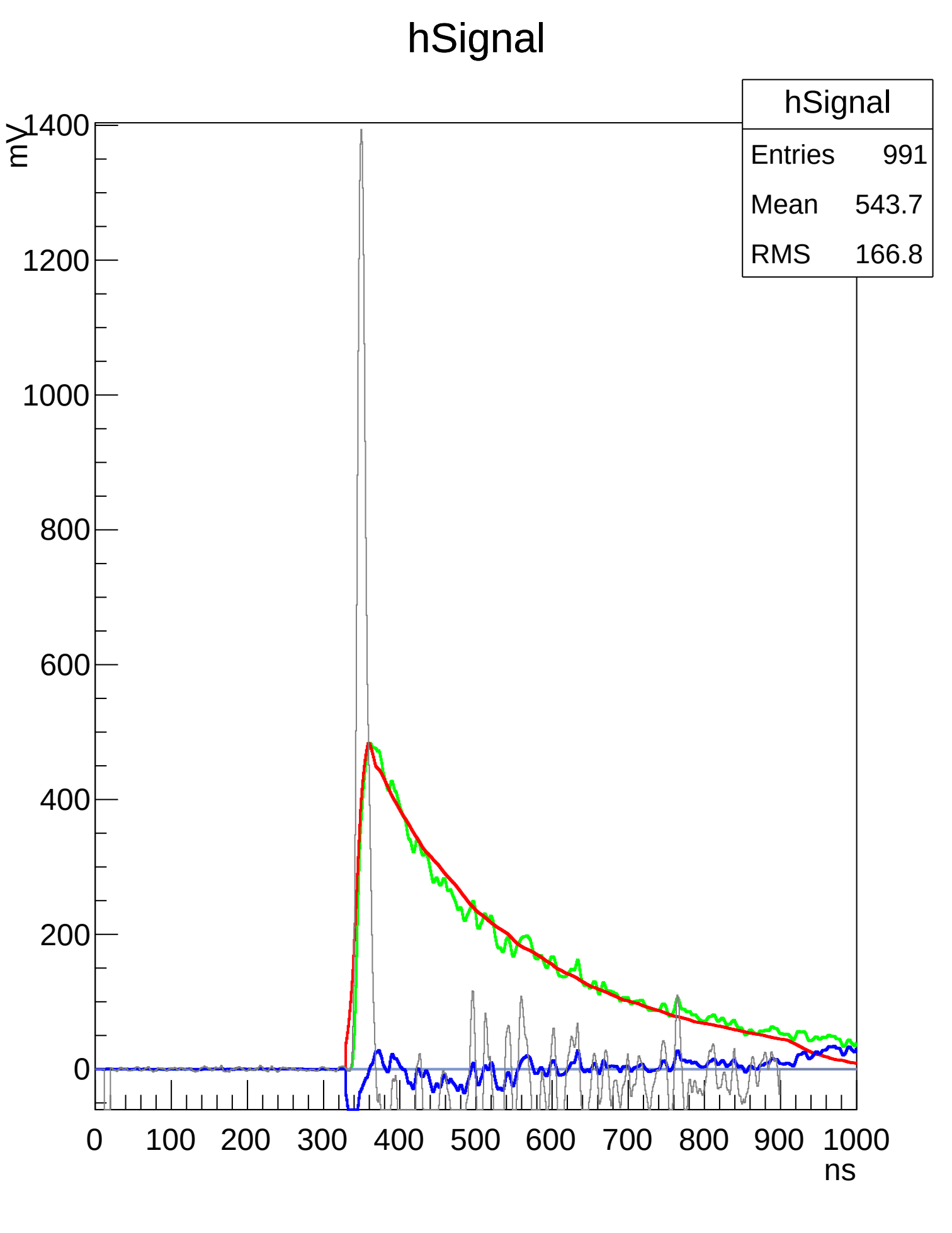
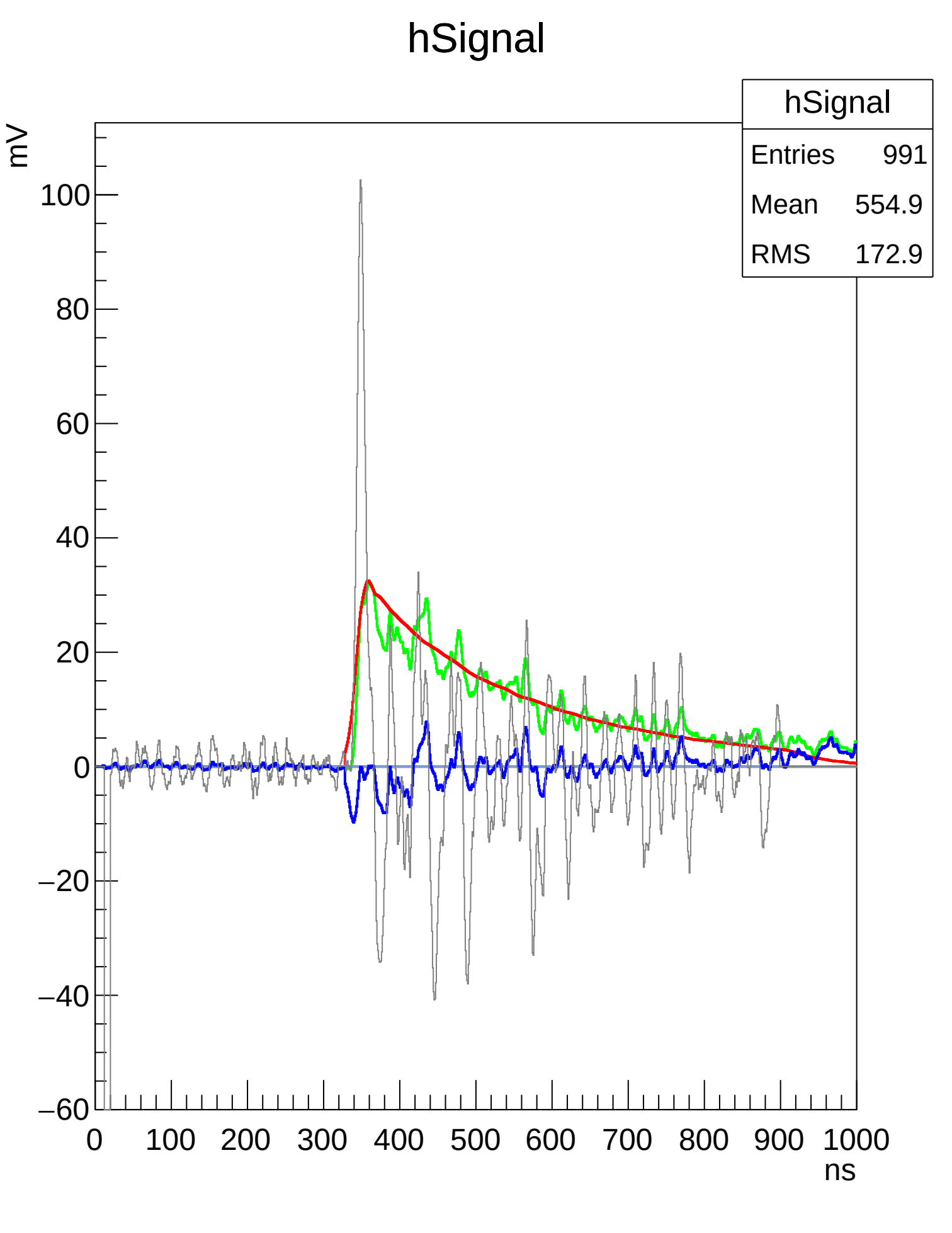
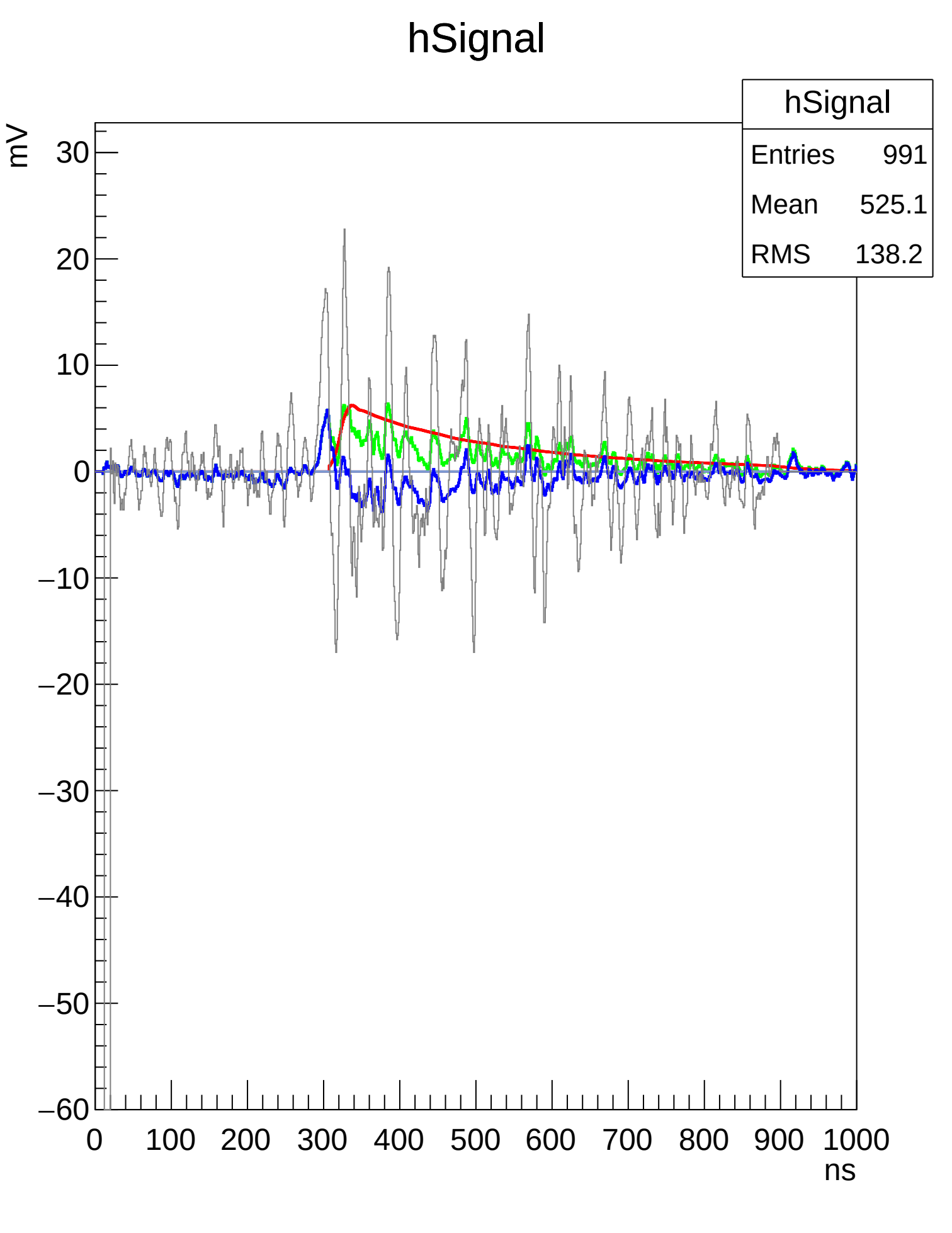
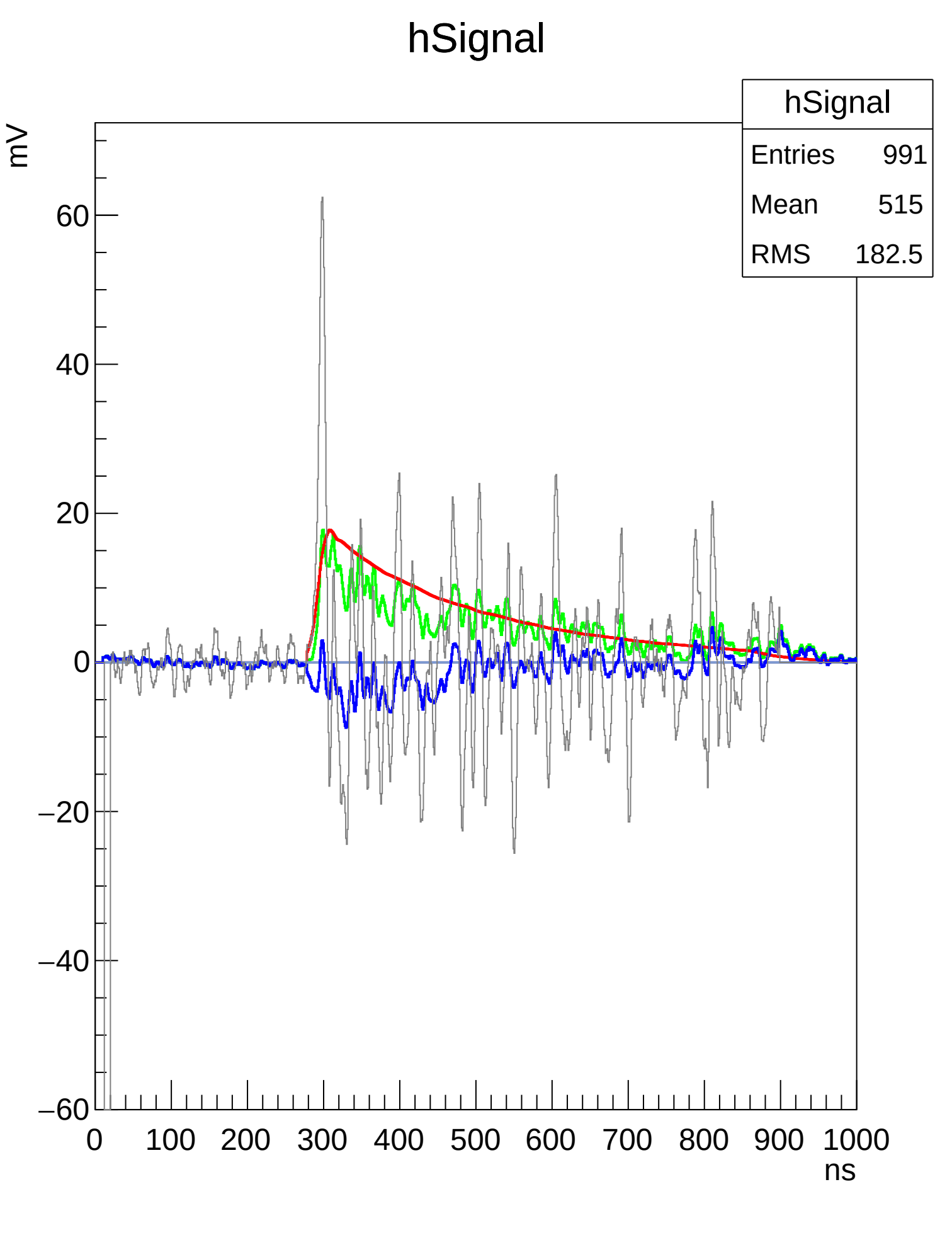
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 166.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.9
RMS 172.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.1
RMS 138.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515
RMS 182.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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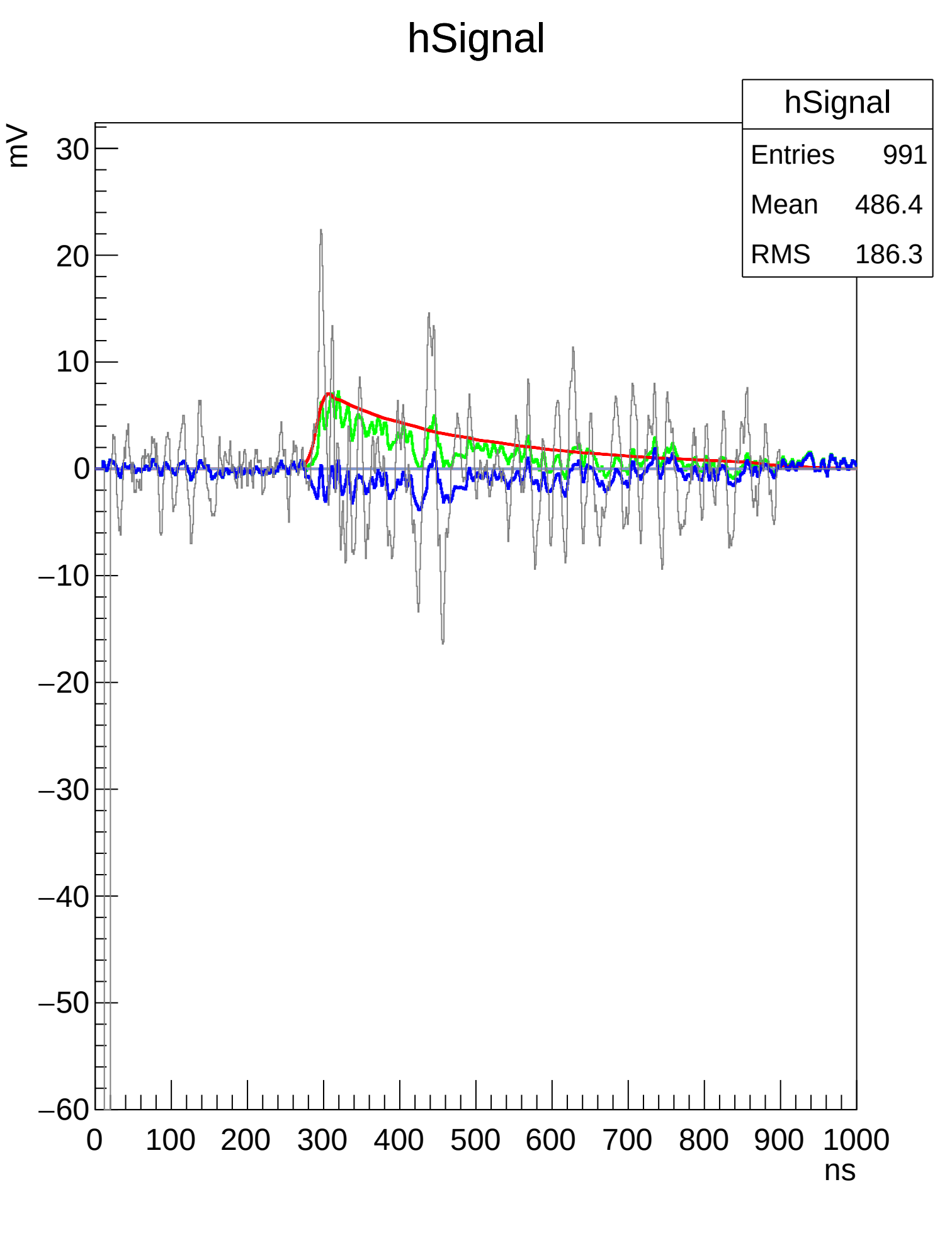
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.4
RMS 186.3
mV
30
20
10
0
−10
−20
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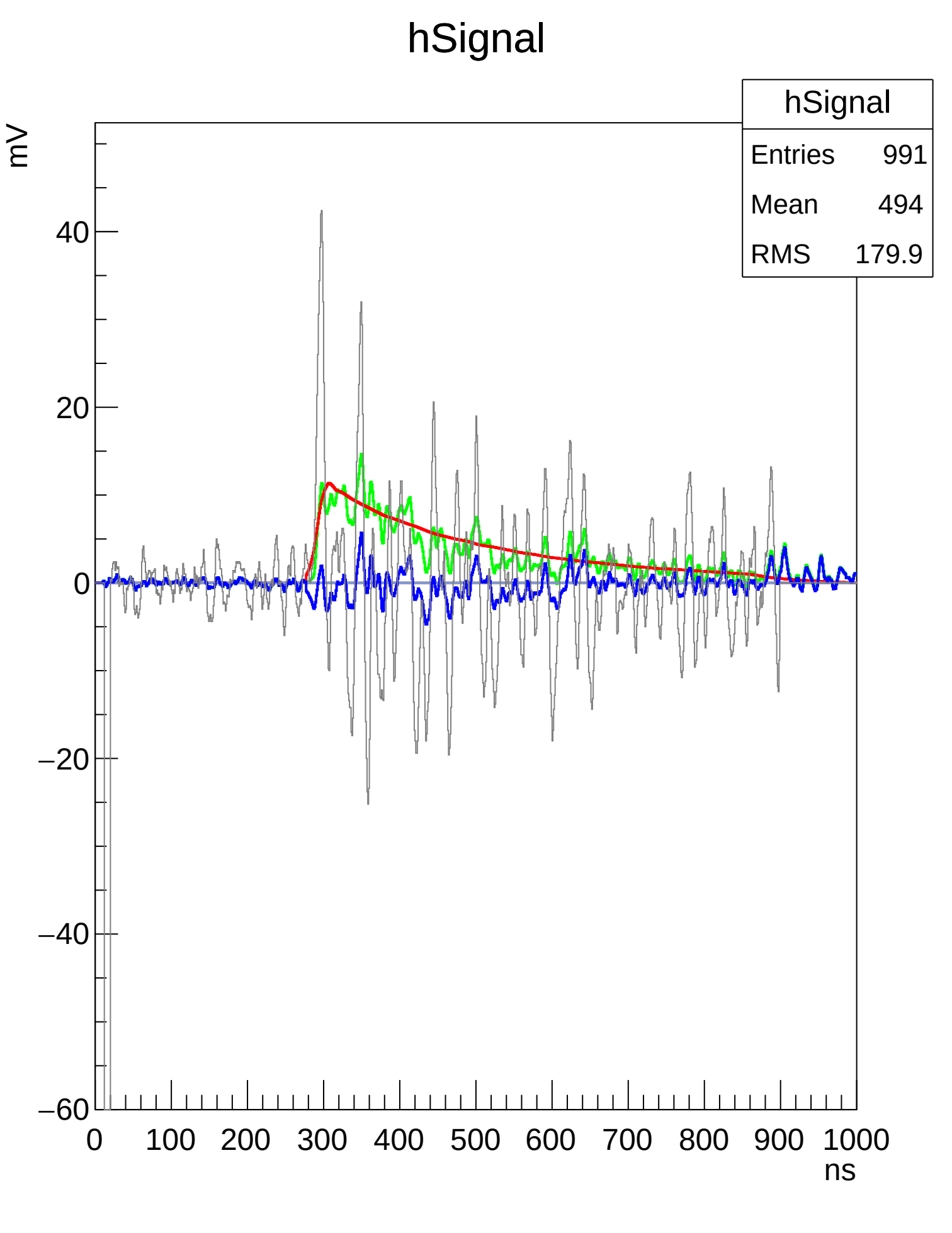
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494
RMS 179.9
mV
40
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0
−20
−40
−60
0
100
200
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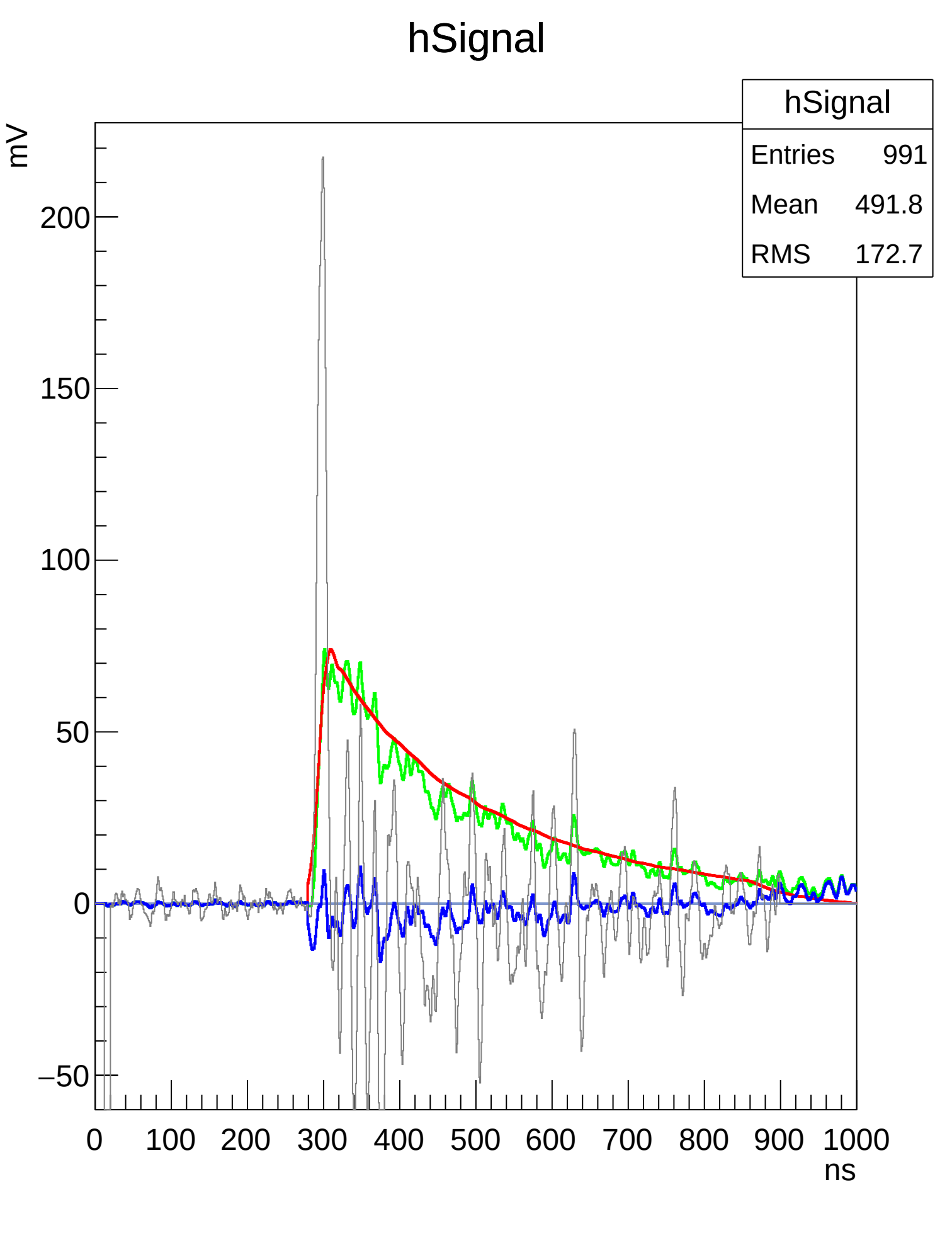
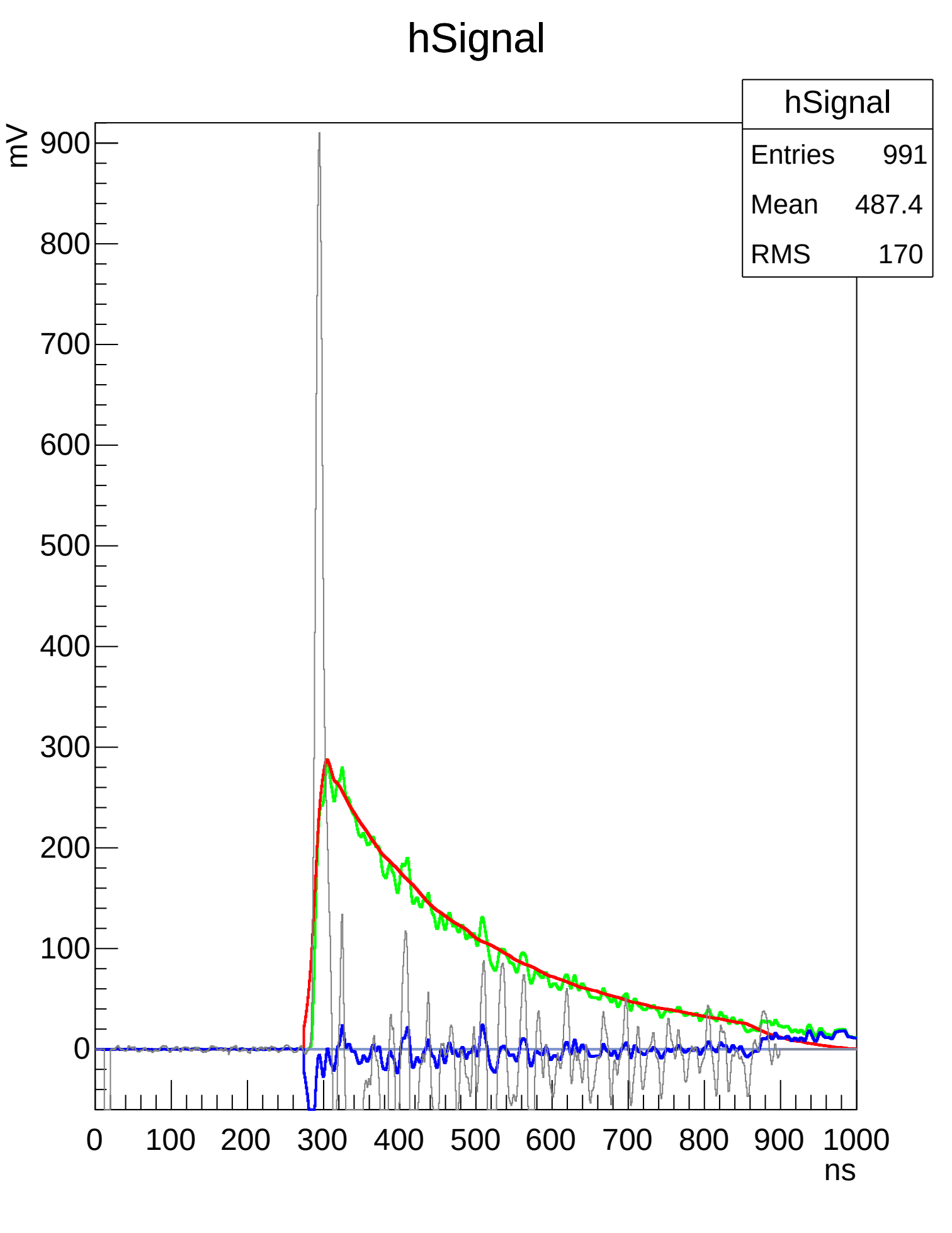
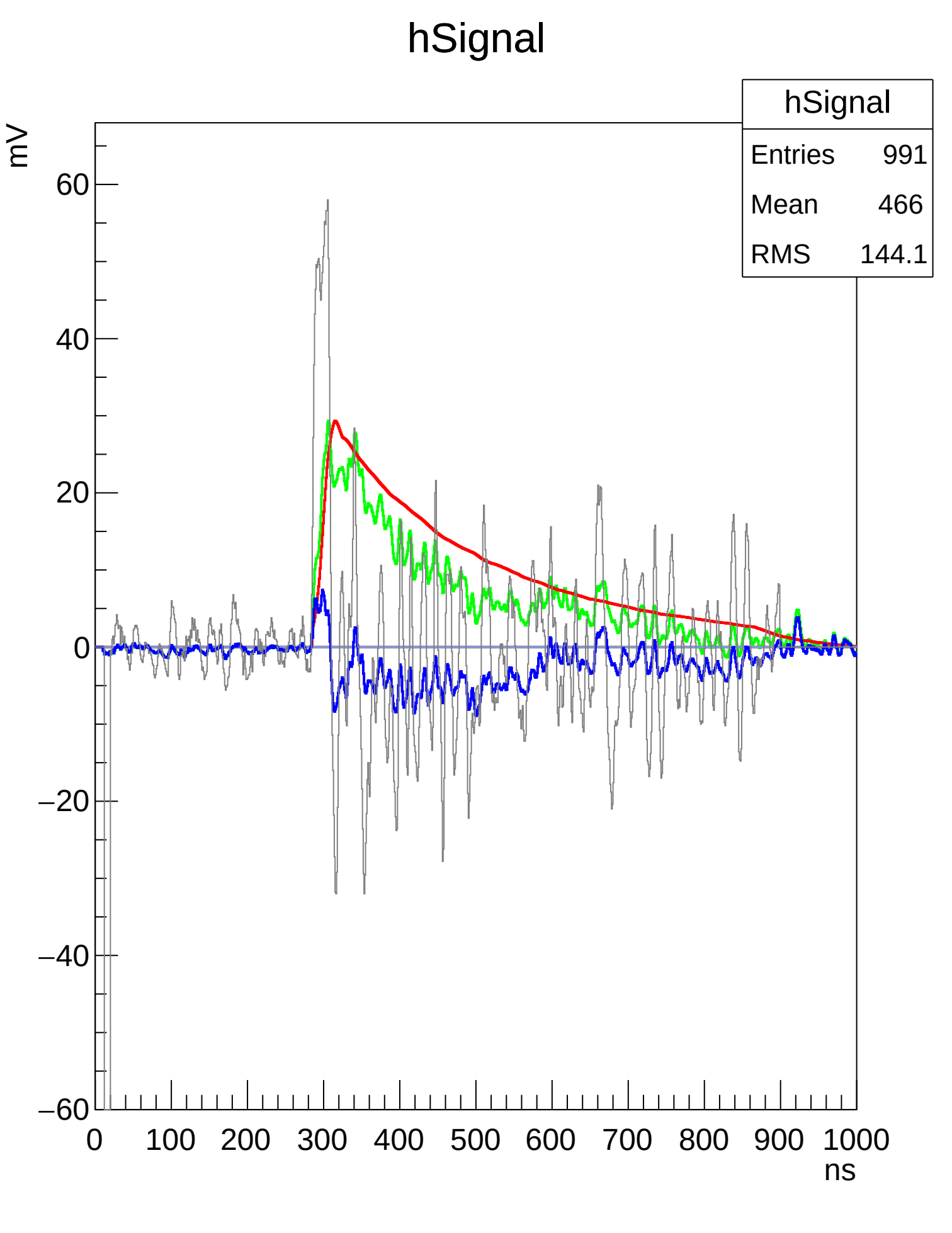
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.8
RMS 172.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 487.4
RMS 170
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 466
RMS 144.1
mV
60
40
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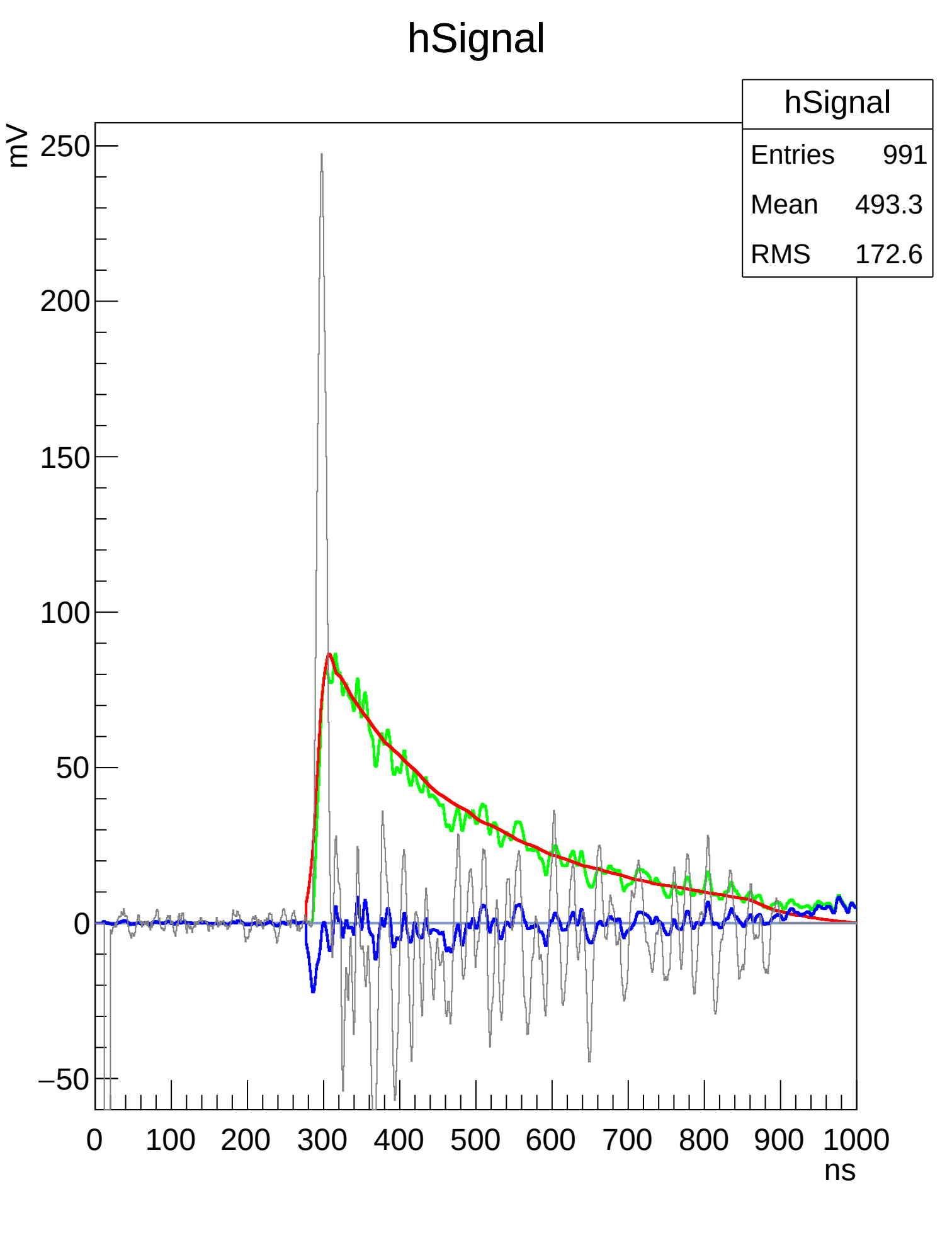
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.3
RMS 172.6
mV
250
200
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100
50
0
−50
0
100
200
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400
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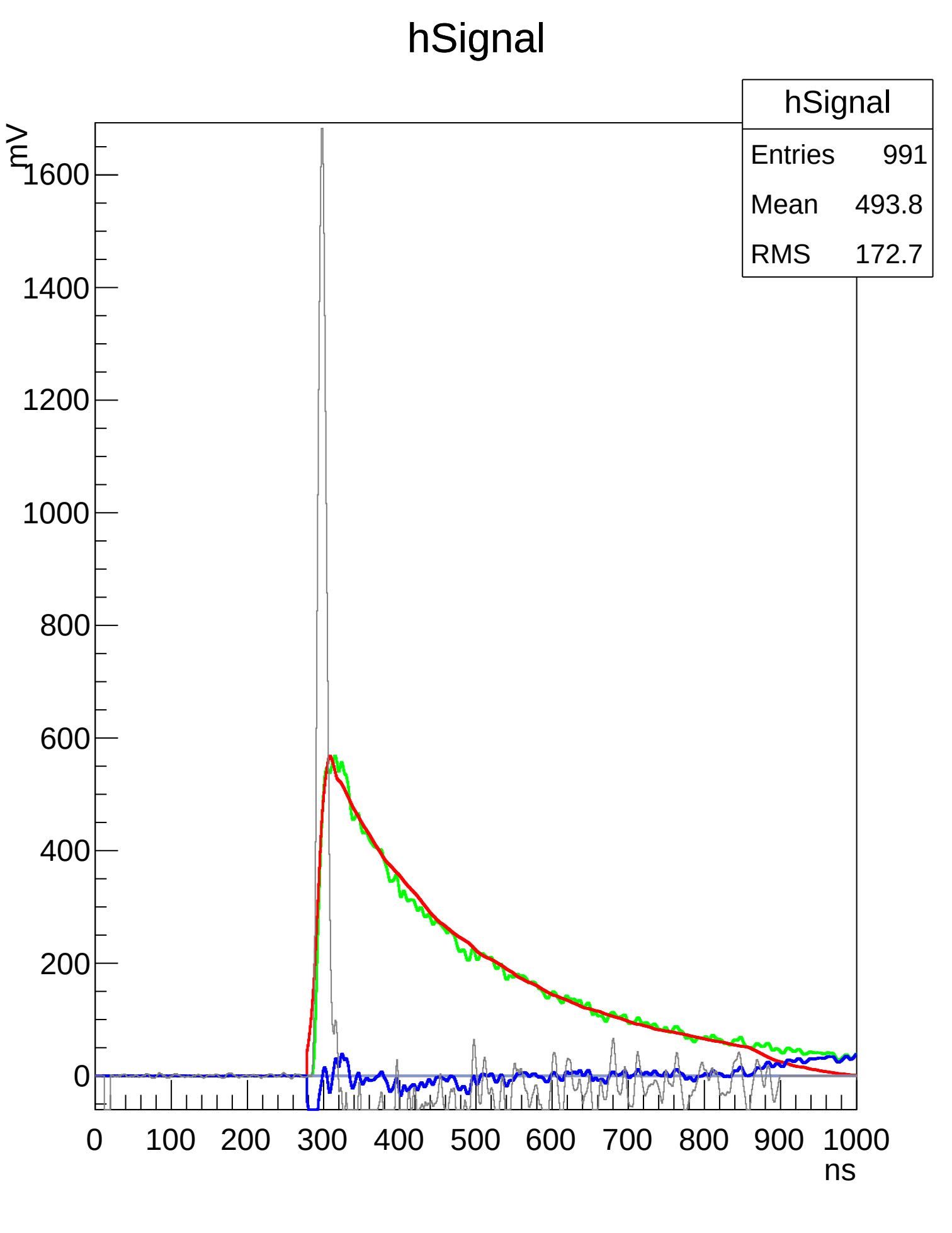
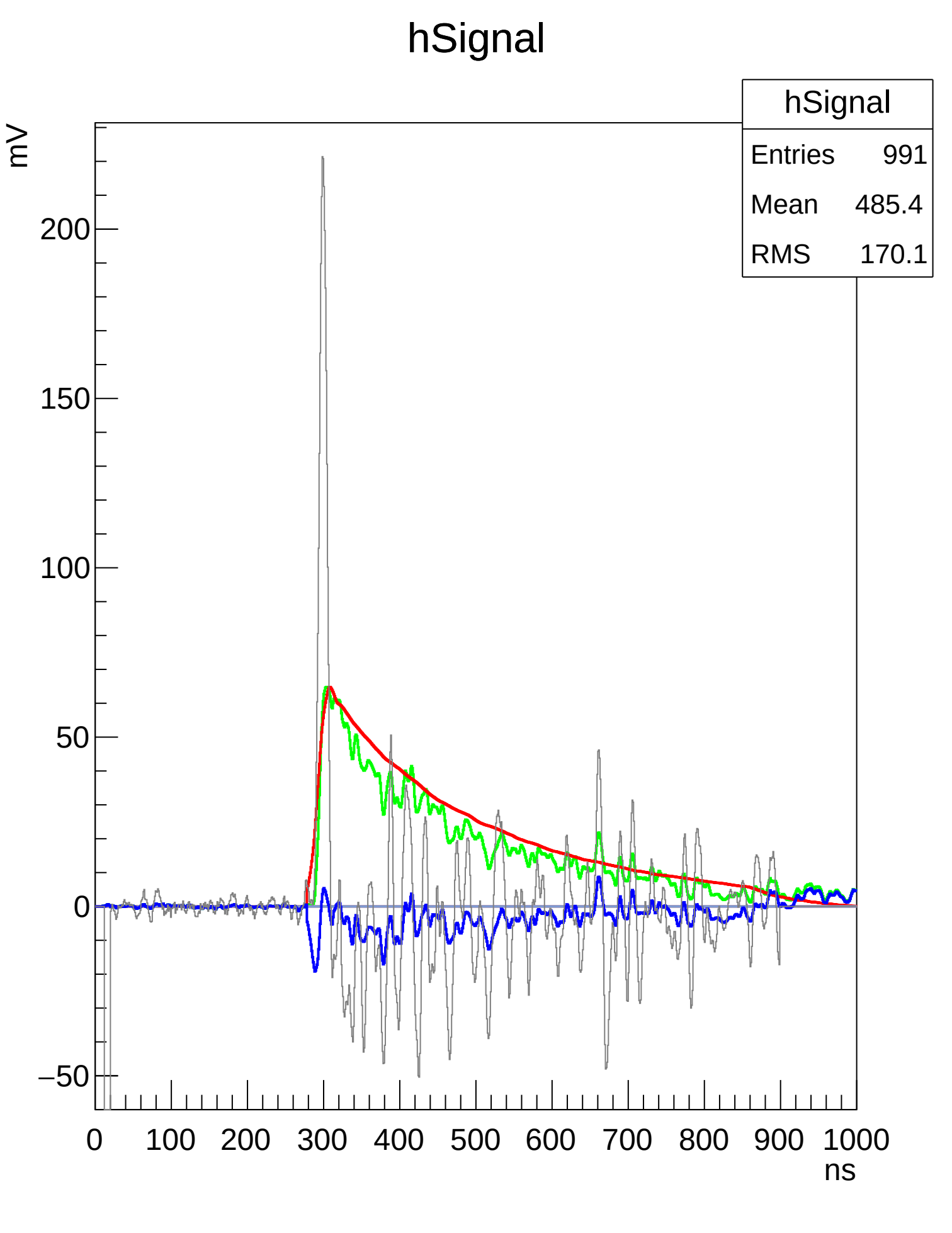
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.8
RMS 172.7
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 485.4
RMS 170.1
mV
200
150
100
50
0
−50
0
100
200
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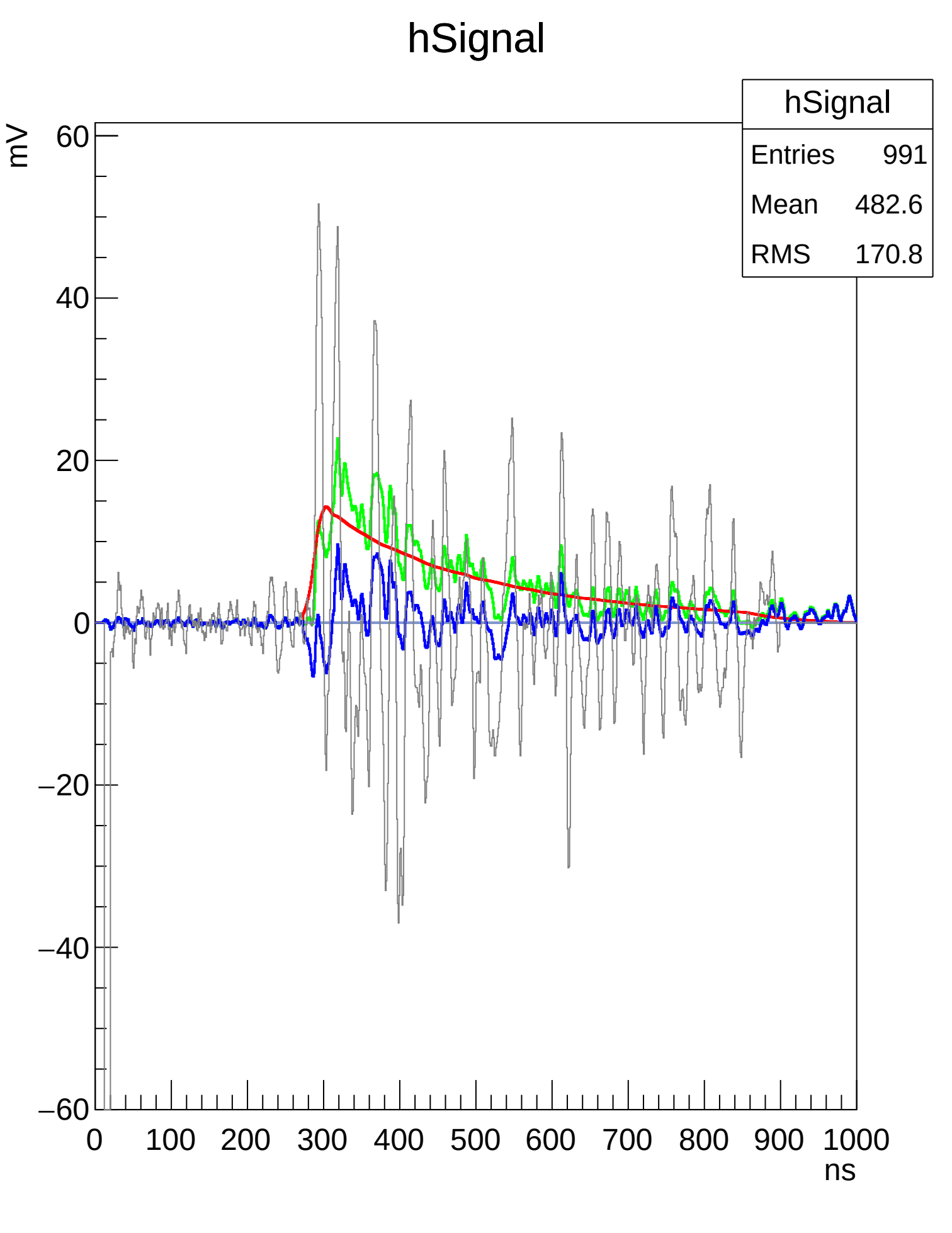
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 482.6
RMS 170.8
mV
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40
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−40
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0
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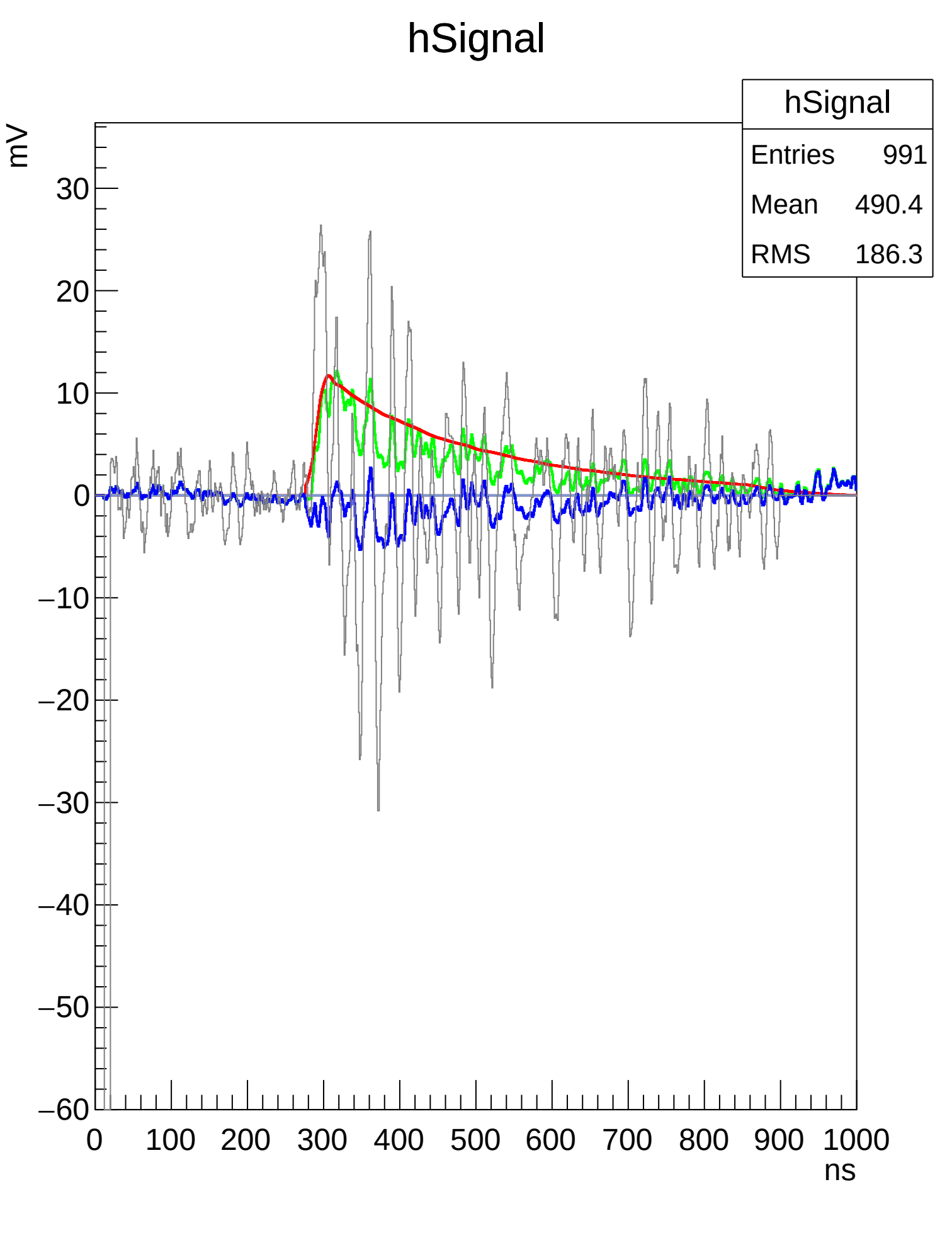
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.4
RMS 186.3
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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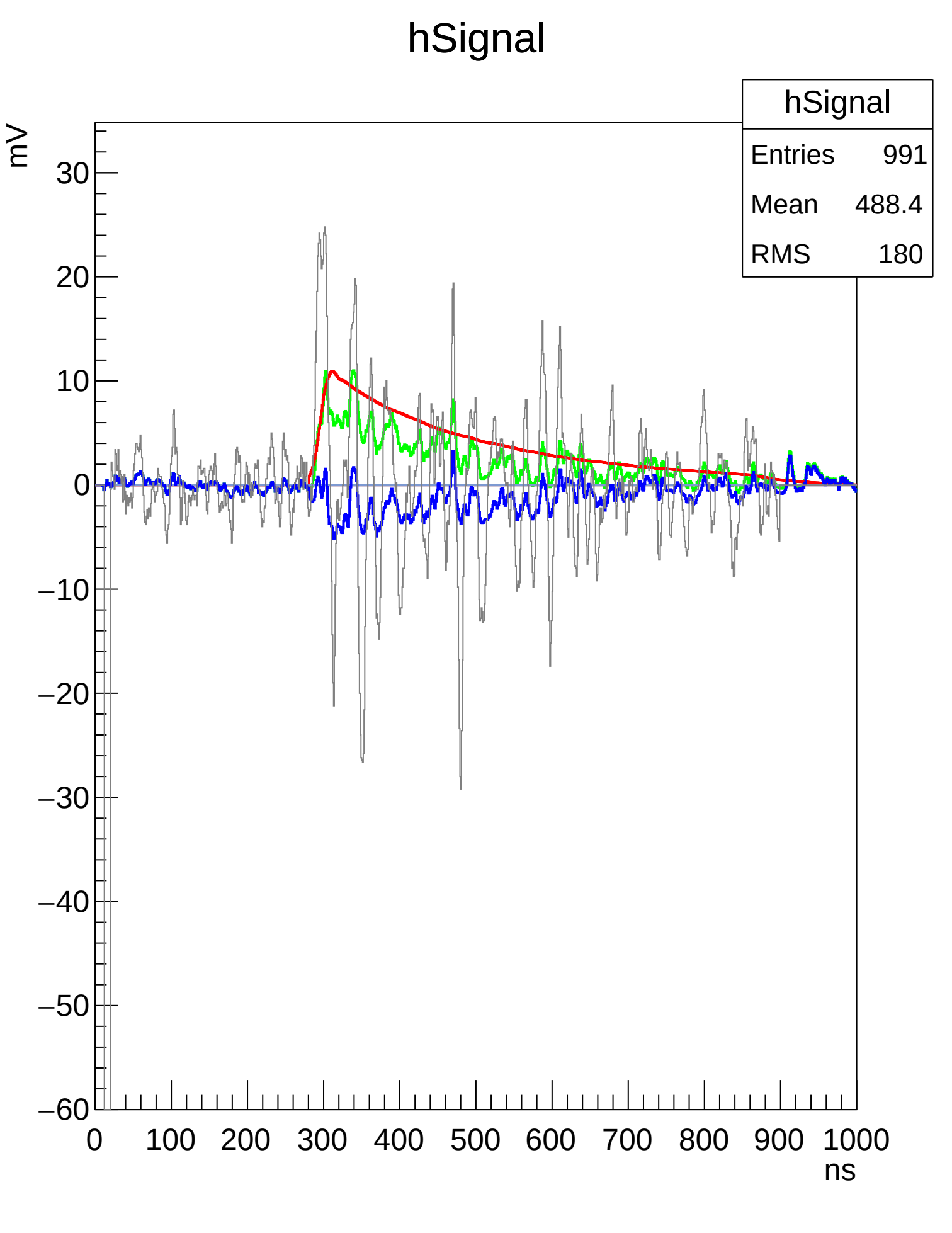
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.4
RMS 180
mV
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20
10
0
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400
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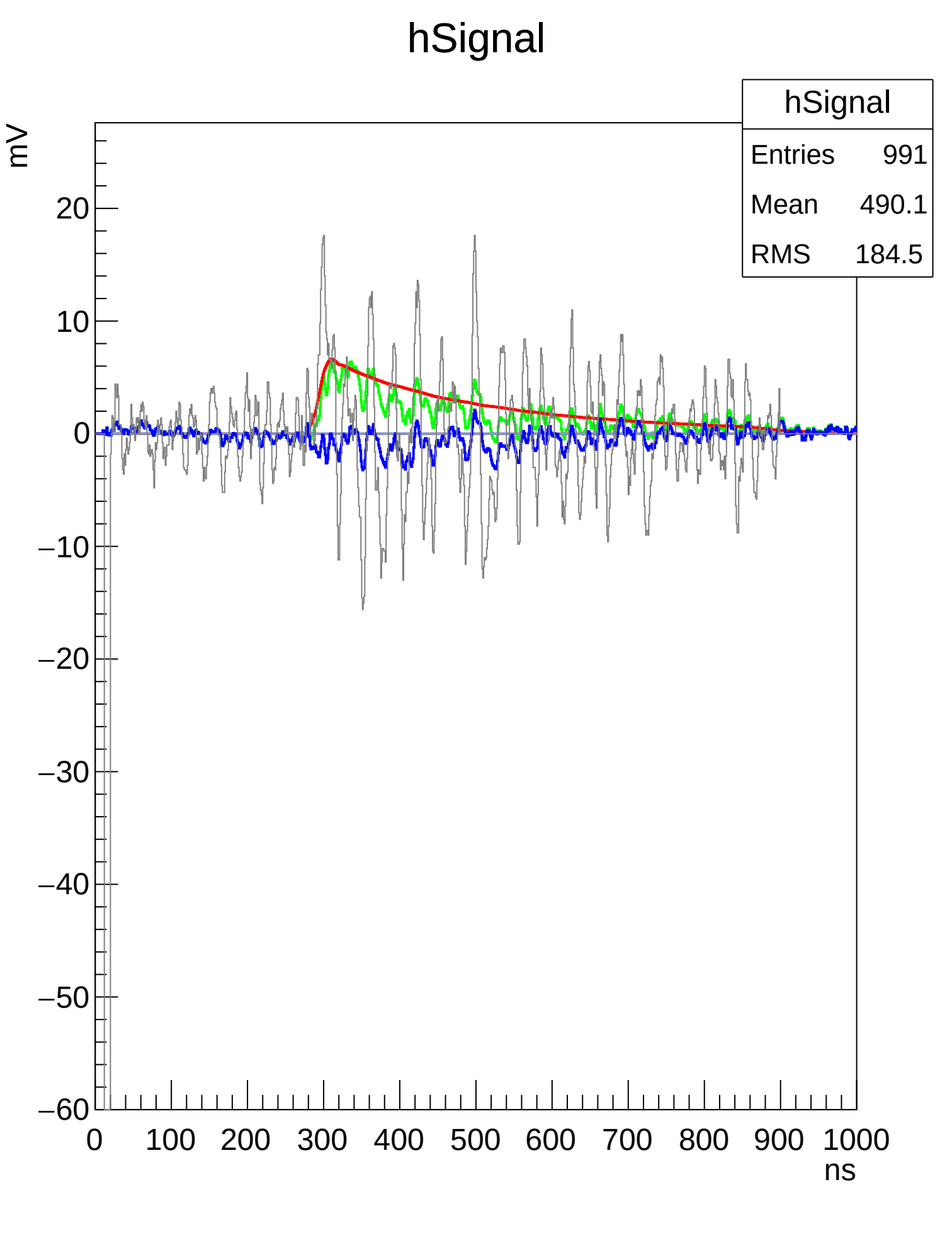
1000
ns


hSignal
hSignal
Entries 991
Mean 490.1
RMS 184.5
mV
20
10
0
−10
−20
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−50
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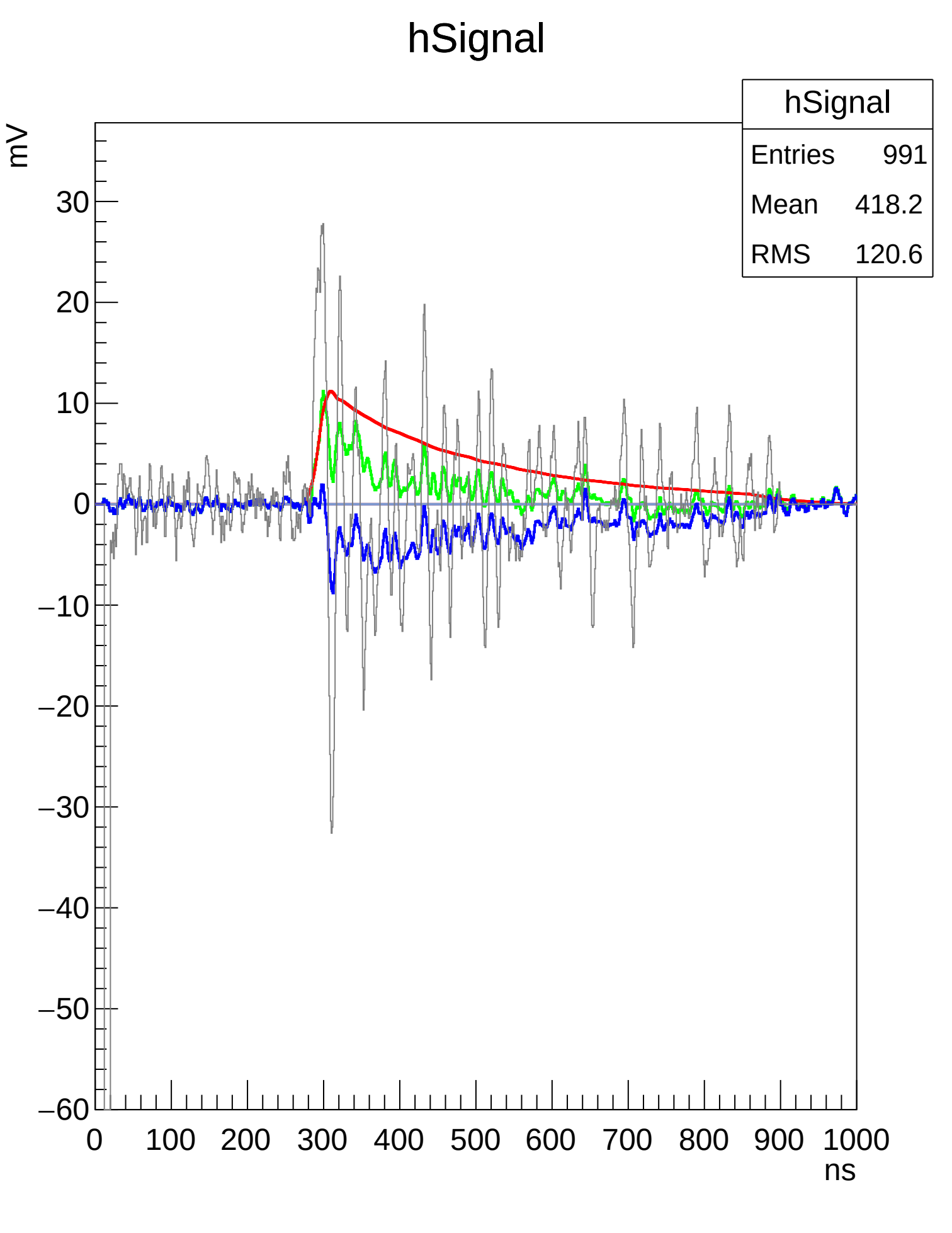
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 418.2
RMS 120.6
mV
30
20
10
0
−10
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600
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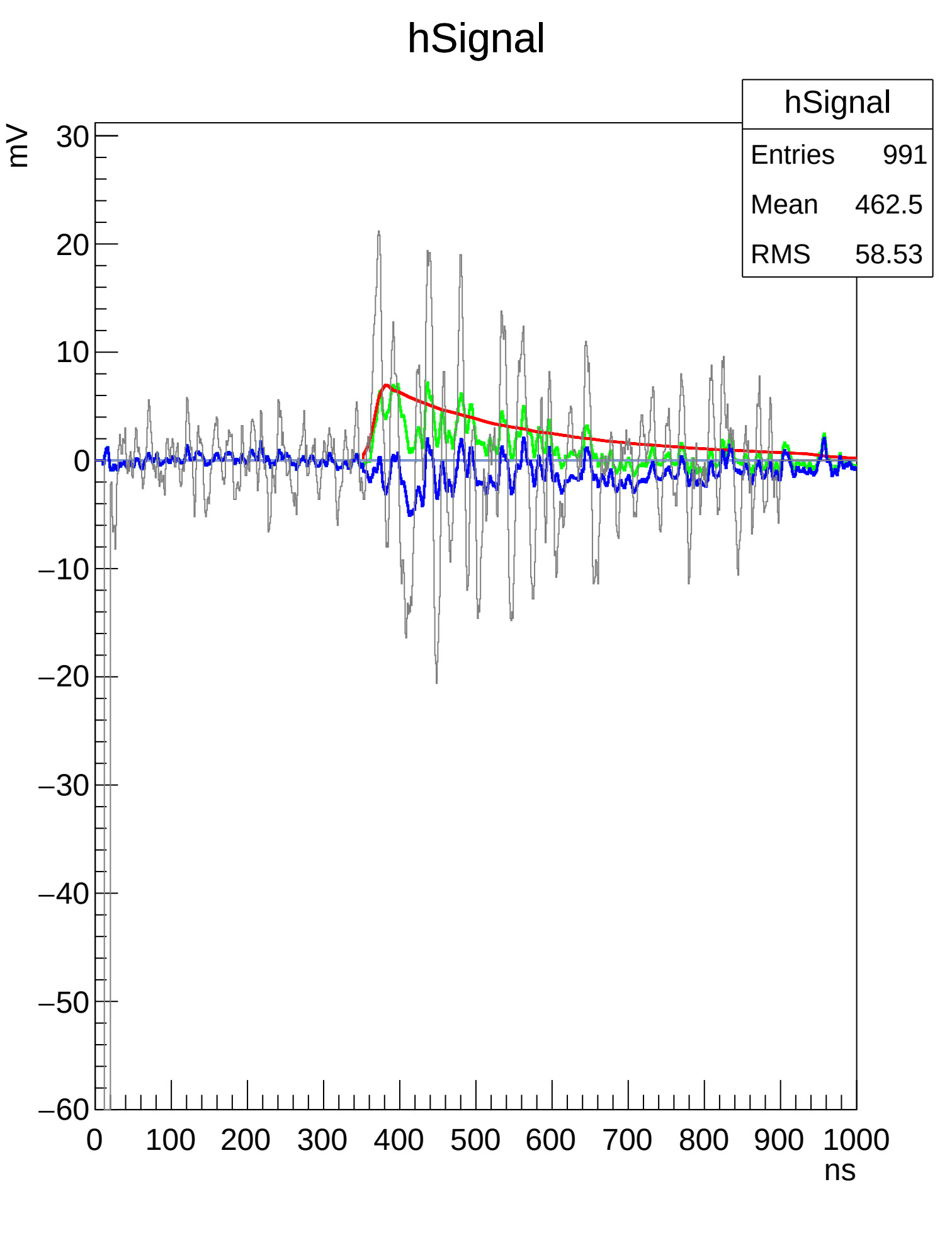
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 462.5
RMS 58.53
mV
30
20
10
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−40
−50
−60
0
100
200
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400
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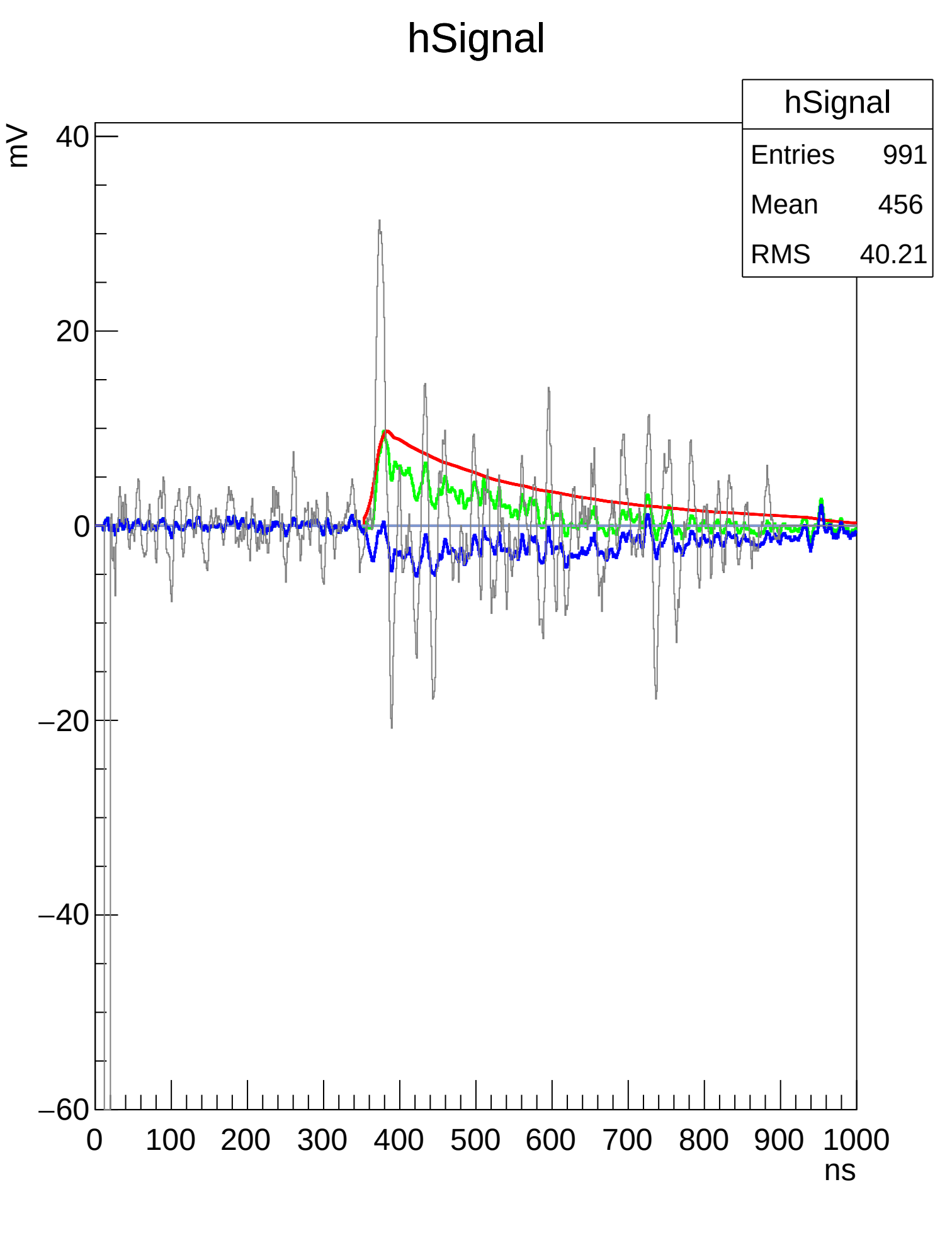
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 456
RMS 40.21
mV
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−20
−40
−60
0
100
200
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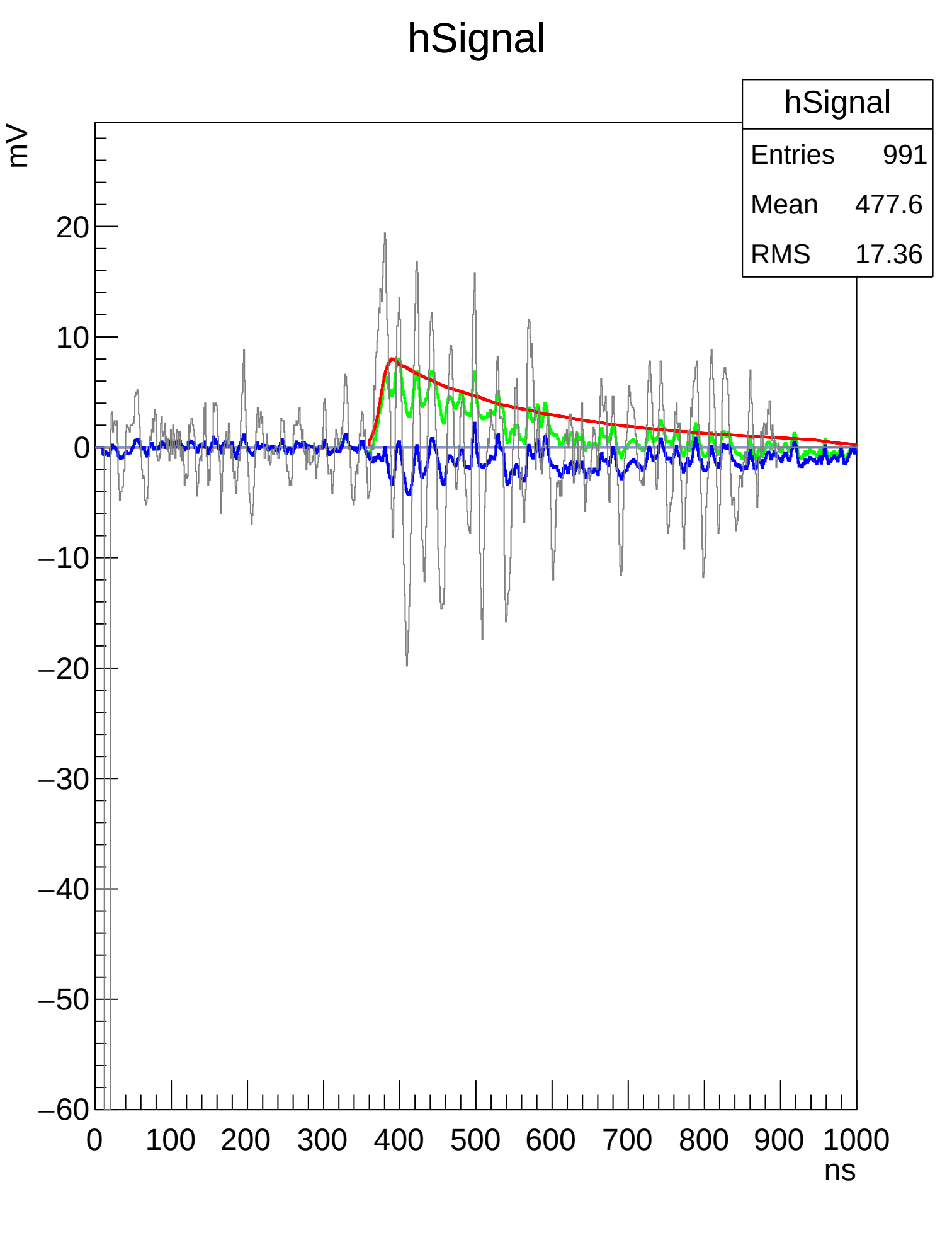
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 477.6
RMS 17.36
mV
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10
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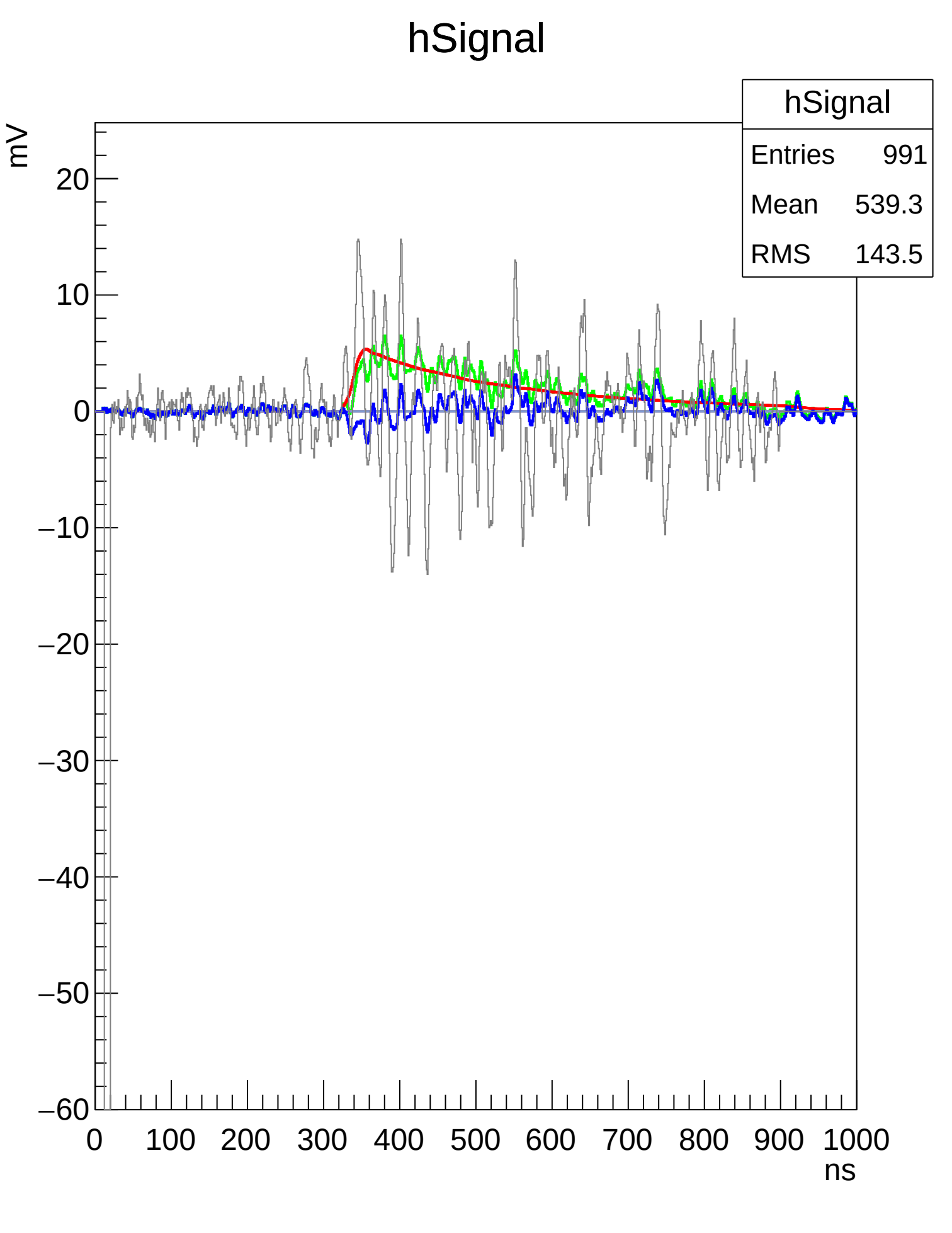
1000
ns


hSignal
hSignal
Entries 991
Mean 539.3
RMS 143.5
mV
20
10
0
−10
−20
−30
−40
−50
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100
200
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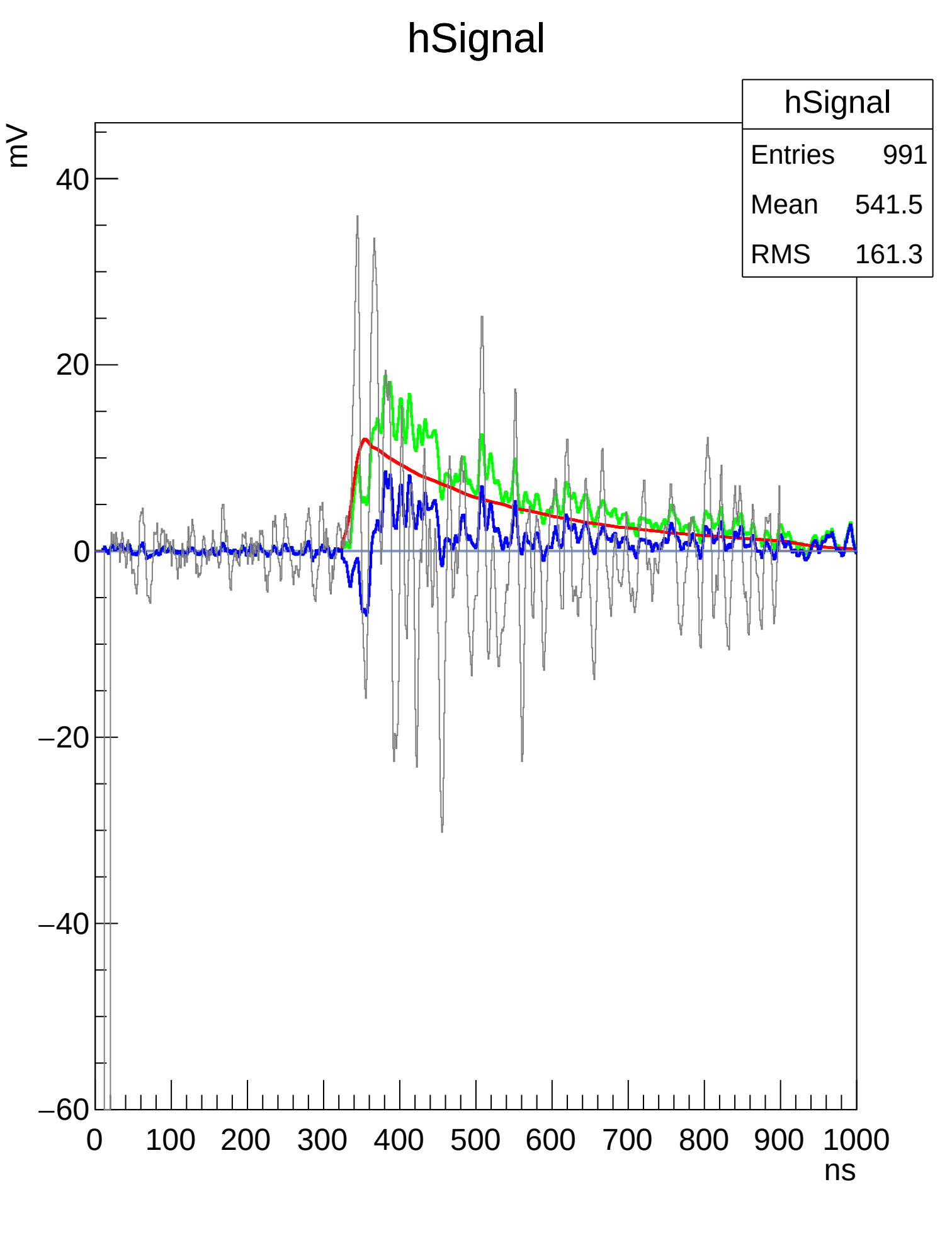
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.5
RMS 161.3
mV
40
20
0
−20
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−60
0
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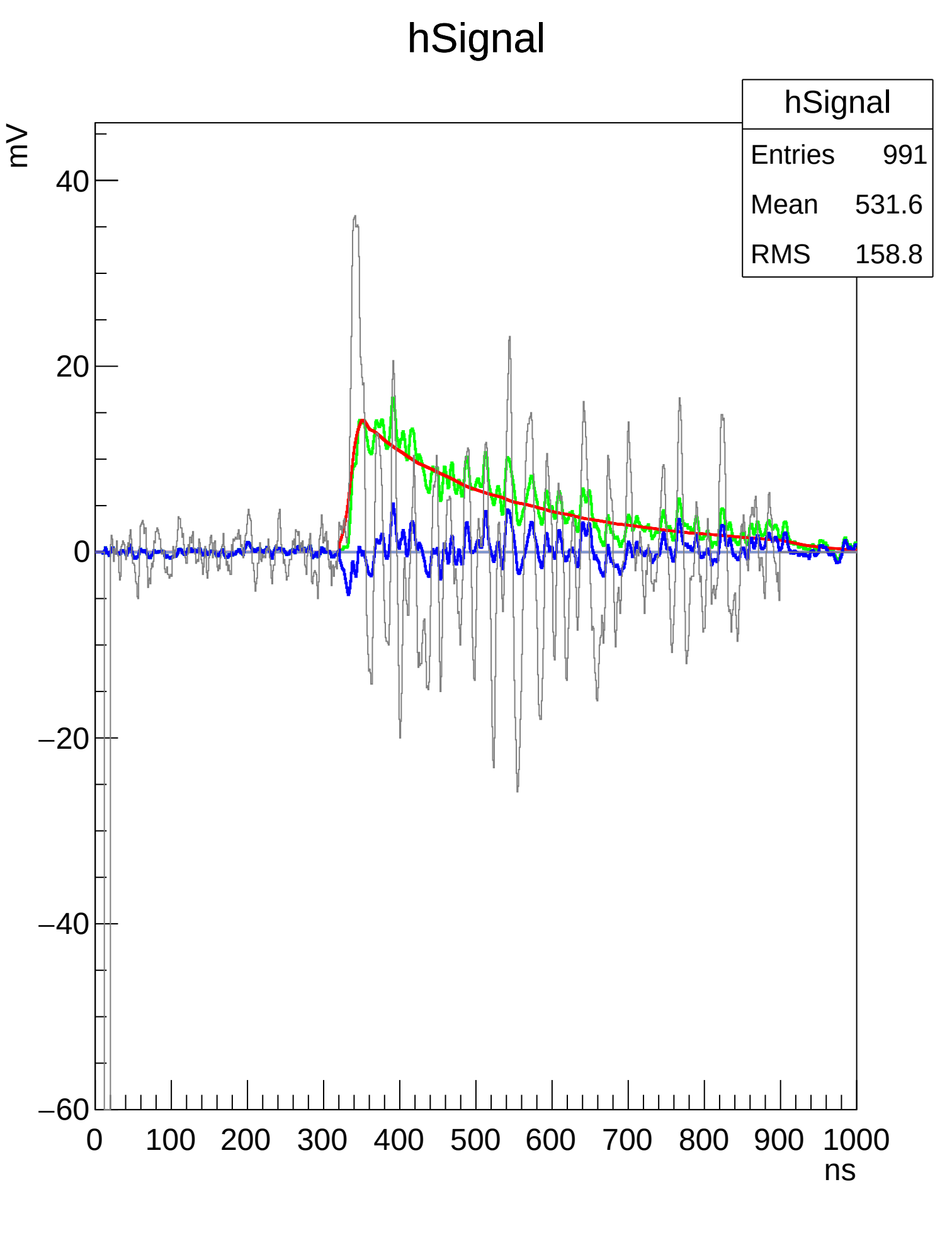
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.6
RMS 158.8
mV
40
20
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−20
−40
−60
0
100
200
300
400
500
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800
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1000
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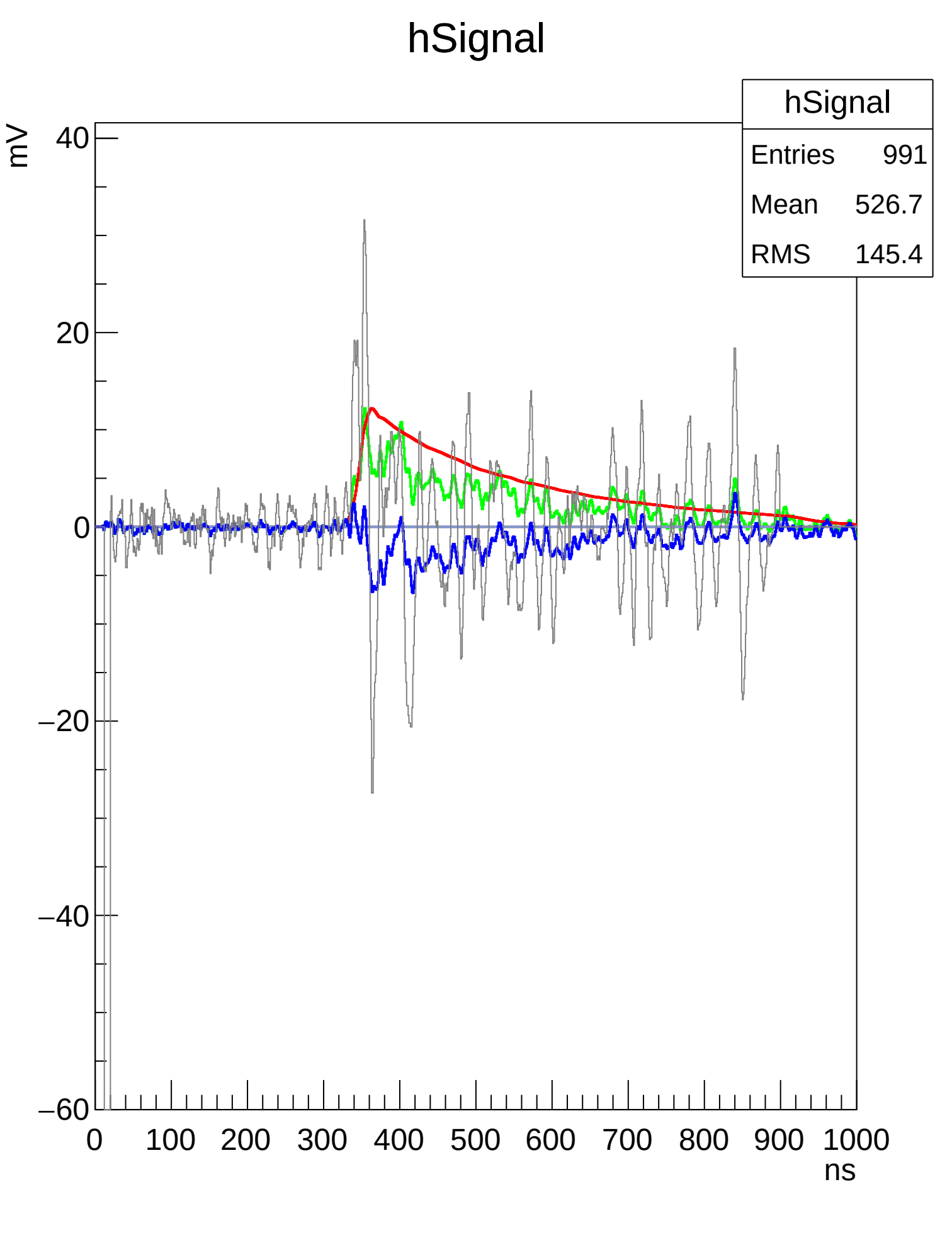
hSignal
hSignal
Entries 991
Mean 526.7
RMS 145.4
mV
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−20
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0
100
200
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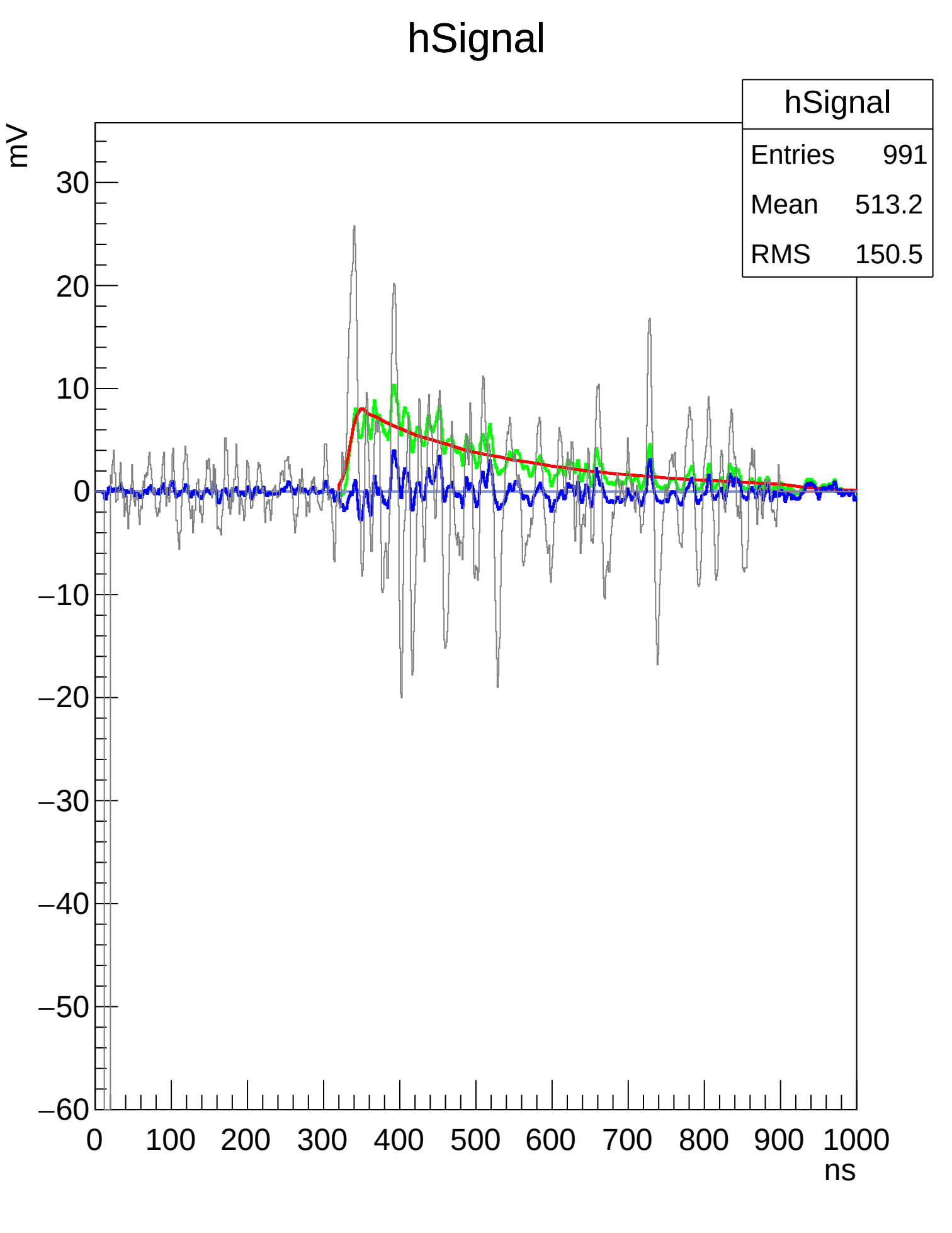
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.2
RMS 150.5
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
500
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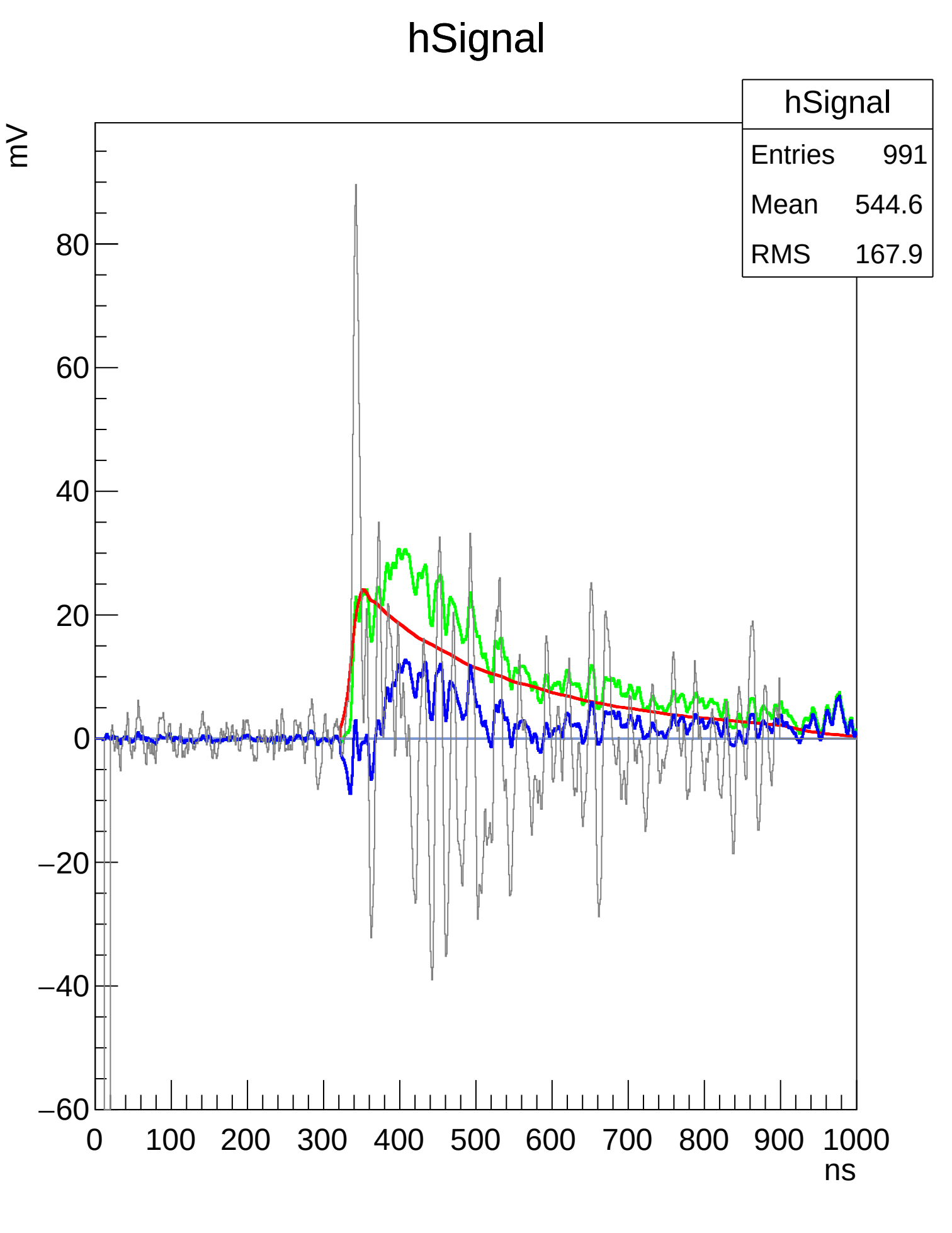
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.6
RMS 167.9
mV
80
60
40
20
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−20
−40
−60
0
100
200
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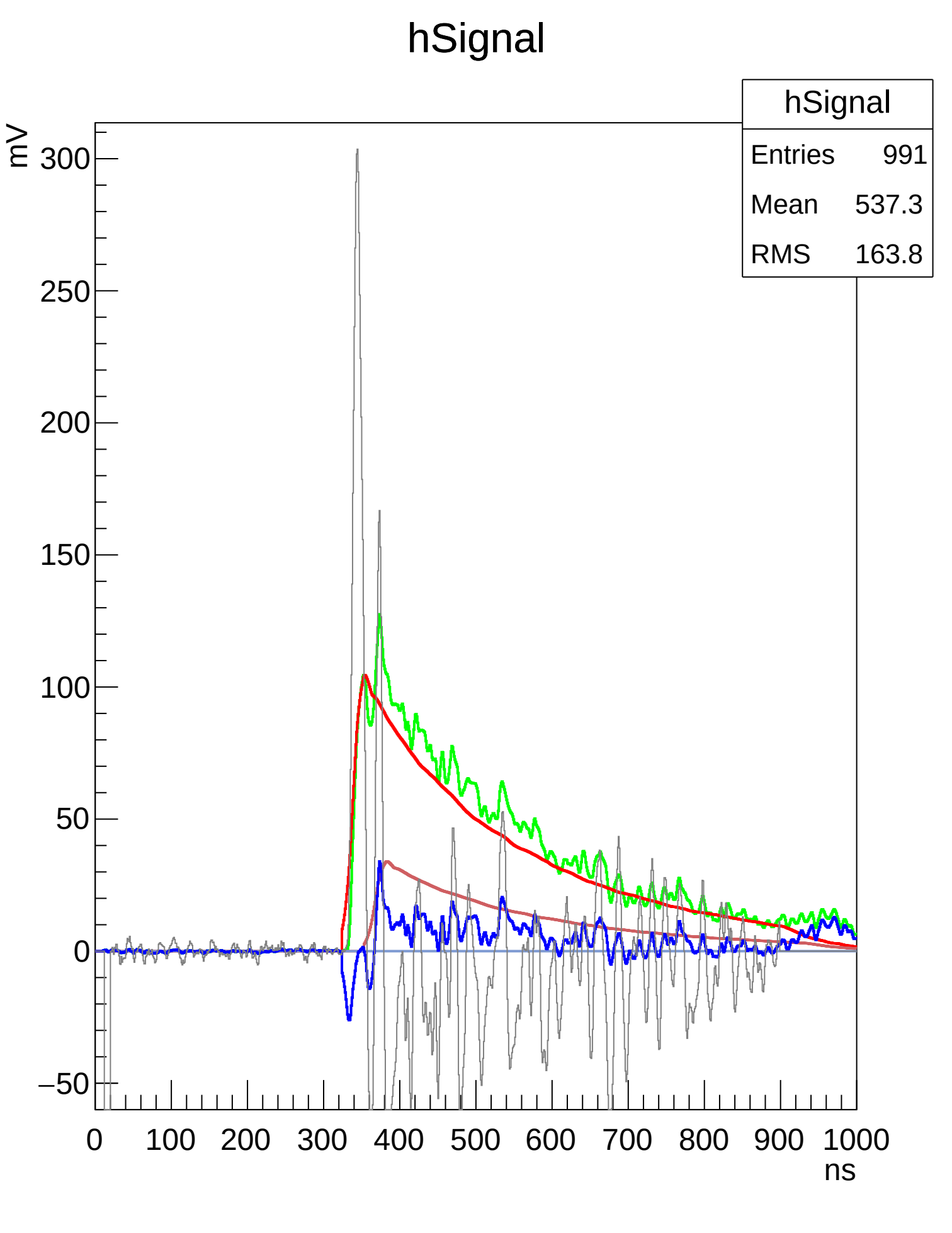
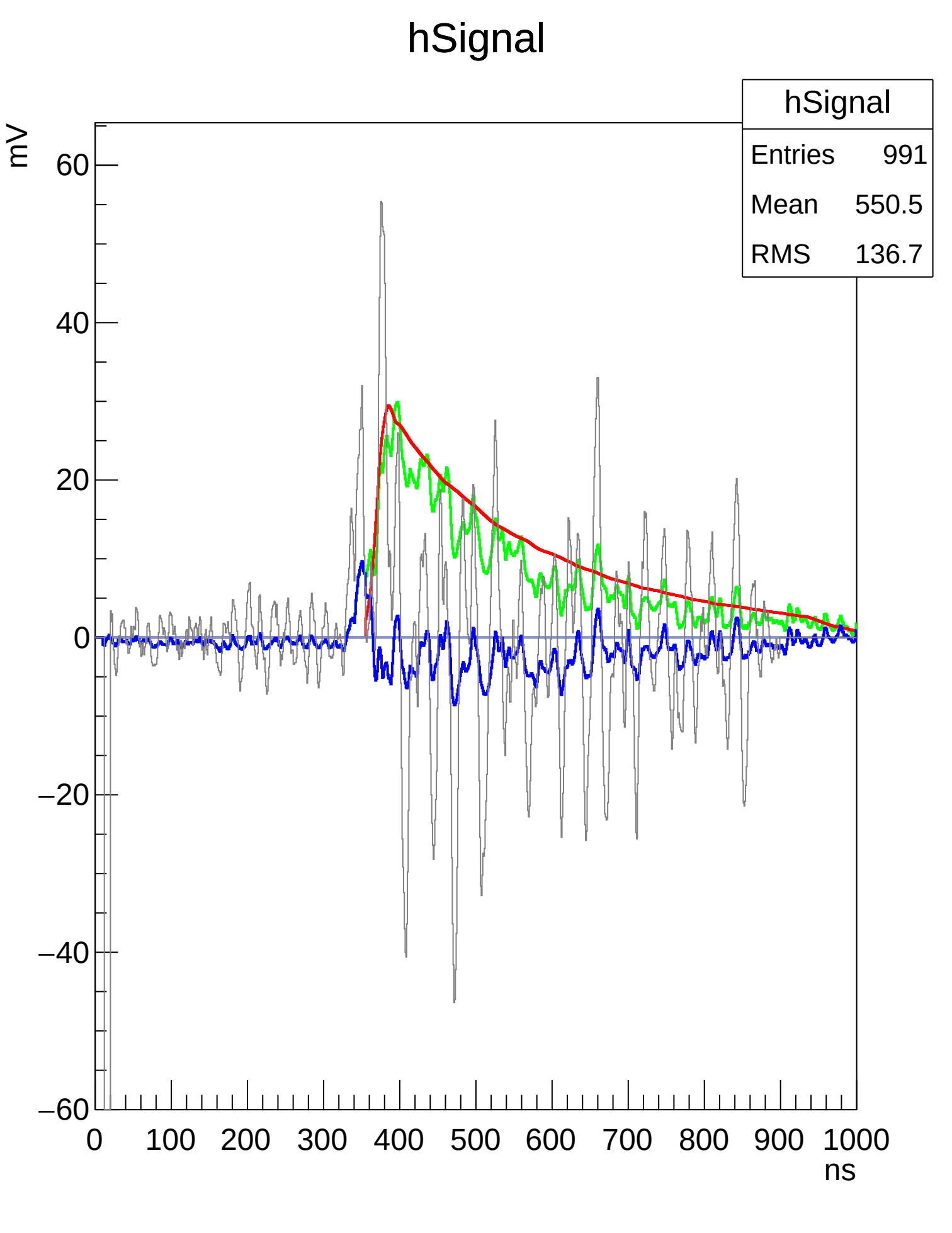
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 163.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.5
RMS 136.7
mV
60
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20
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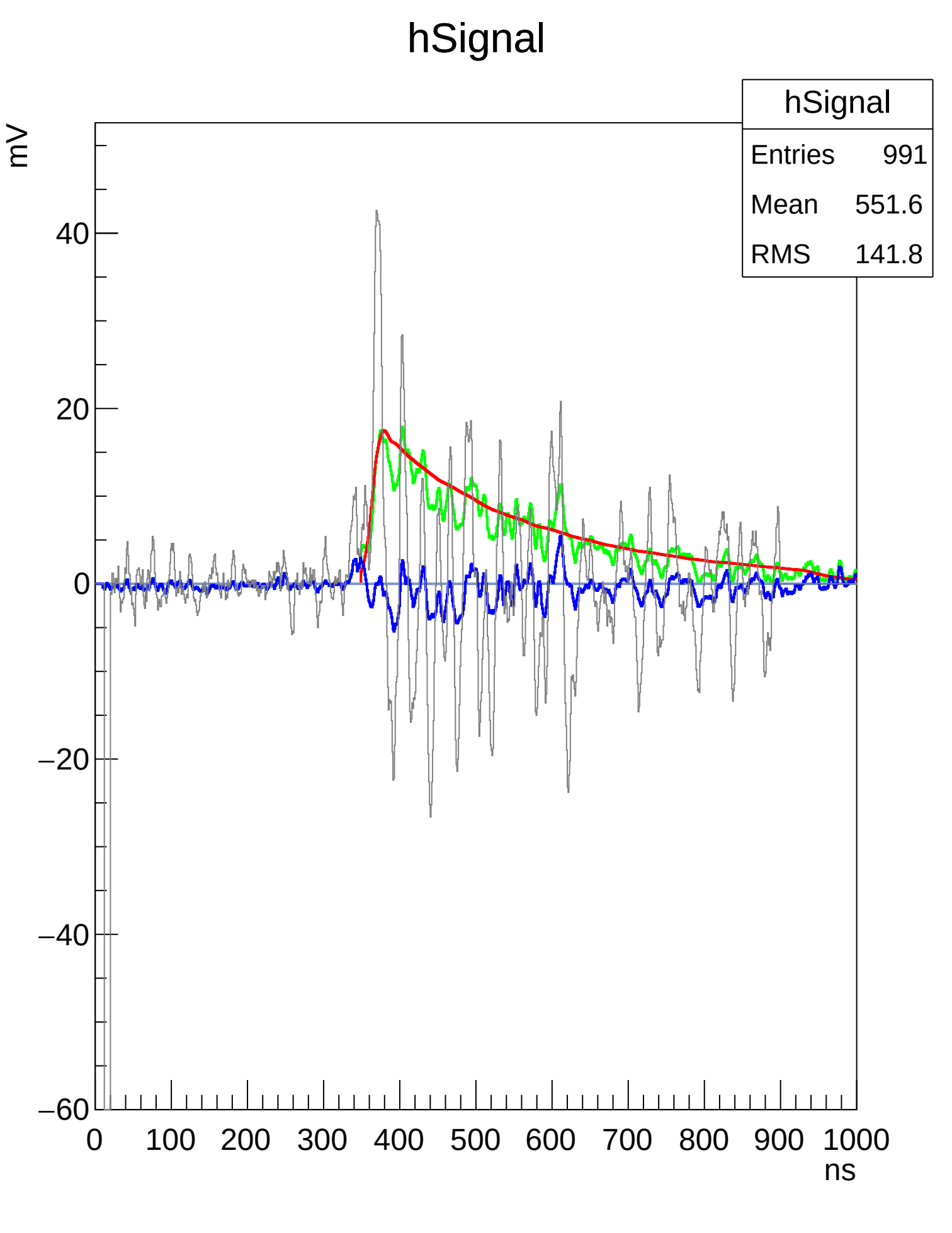
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.6
RMS 141.8
mV
40
20
0
−20
−40
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0
100
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600
700
800
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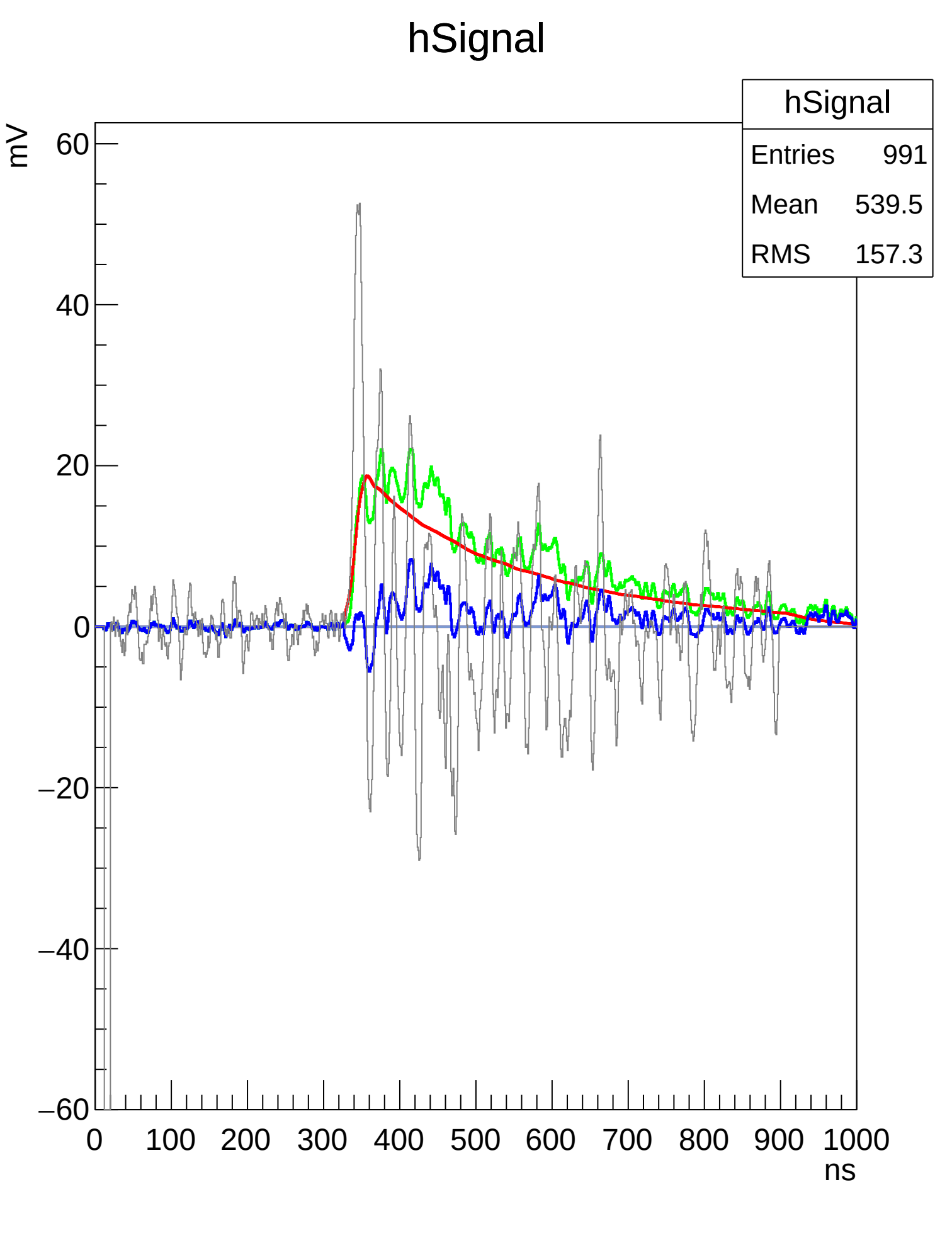
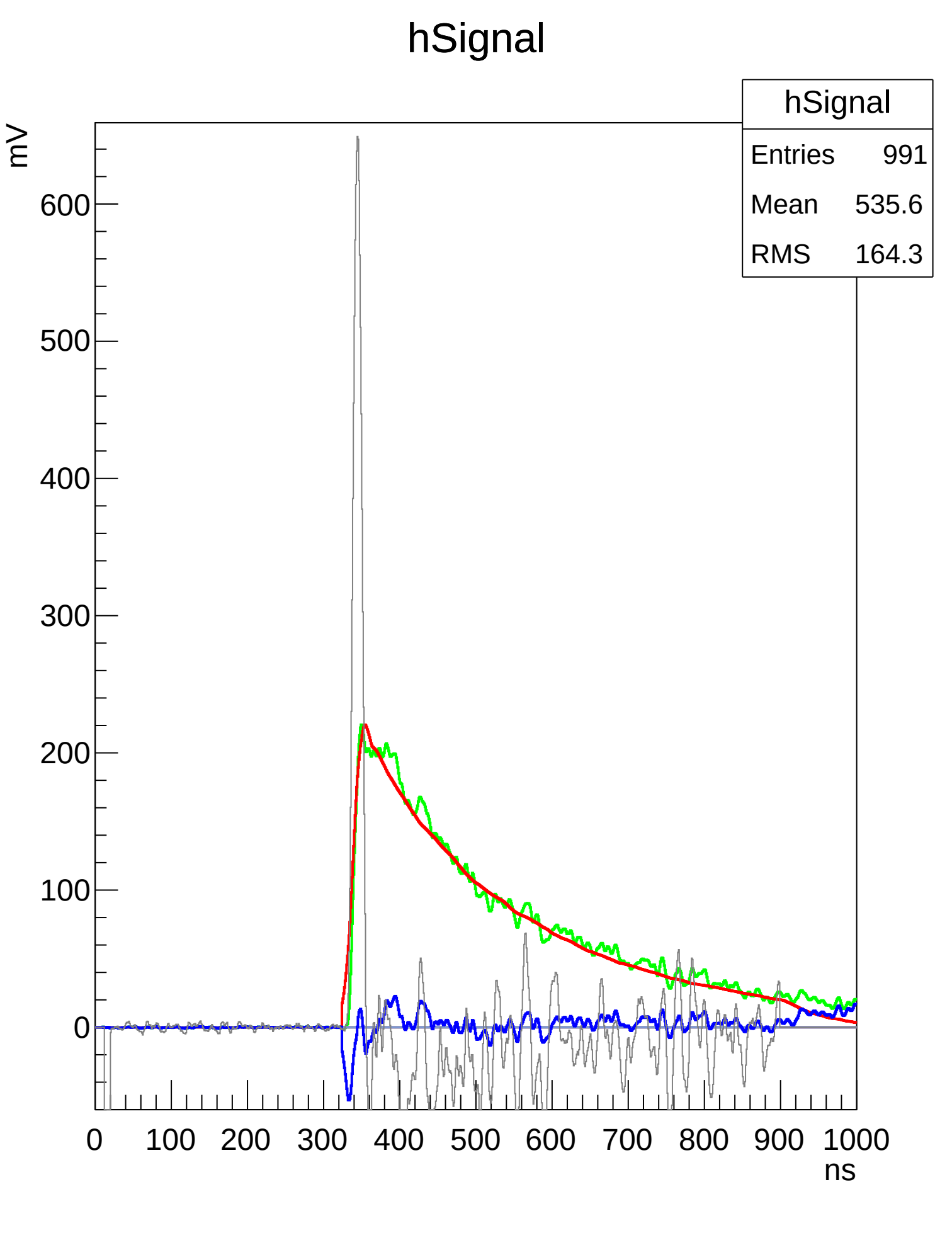
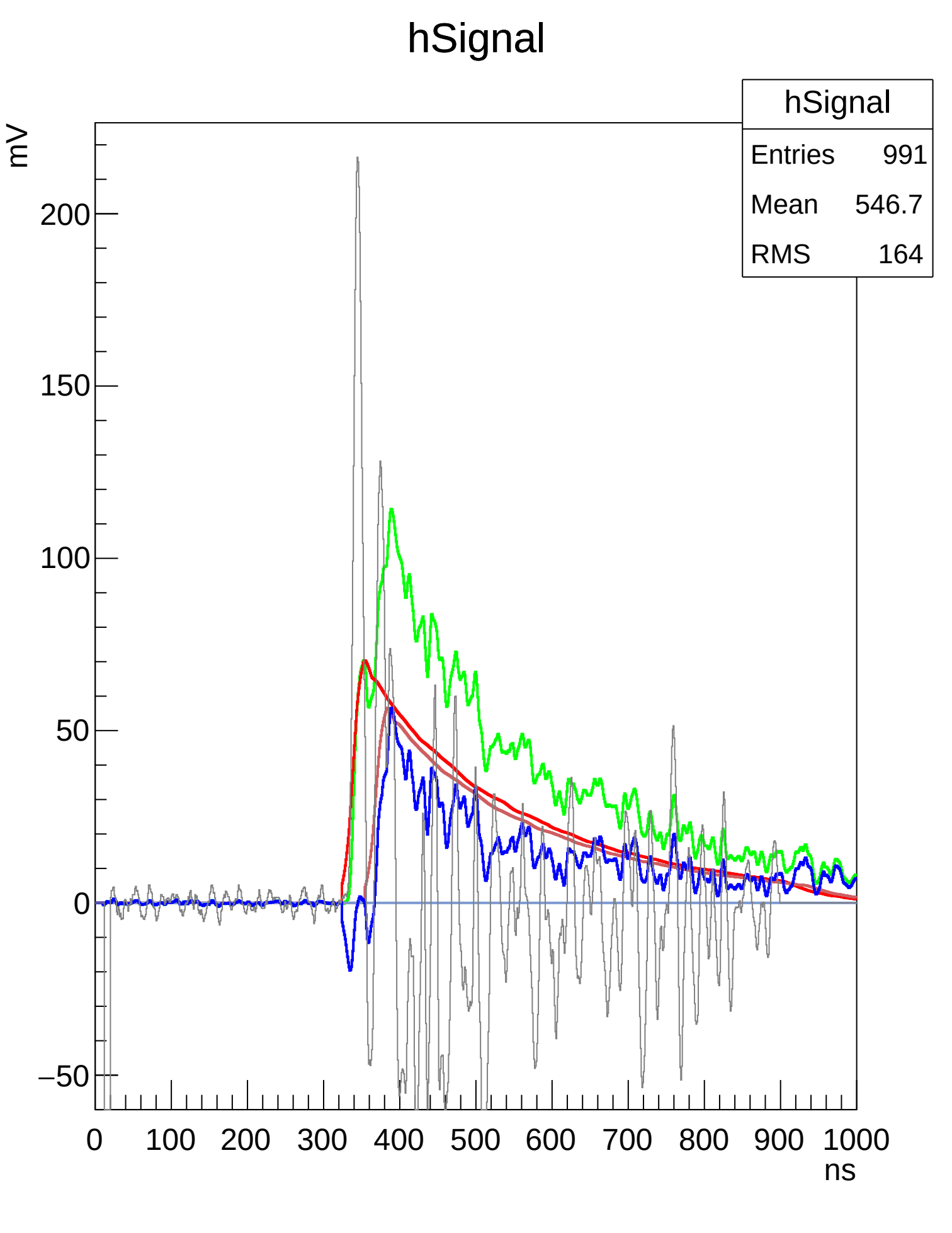
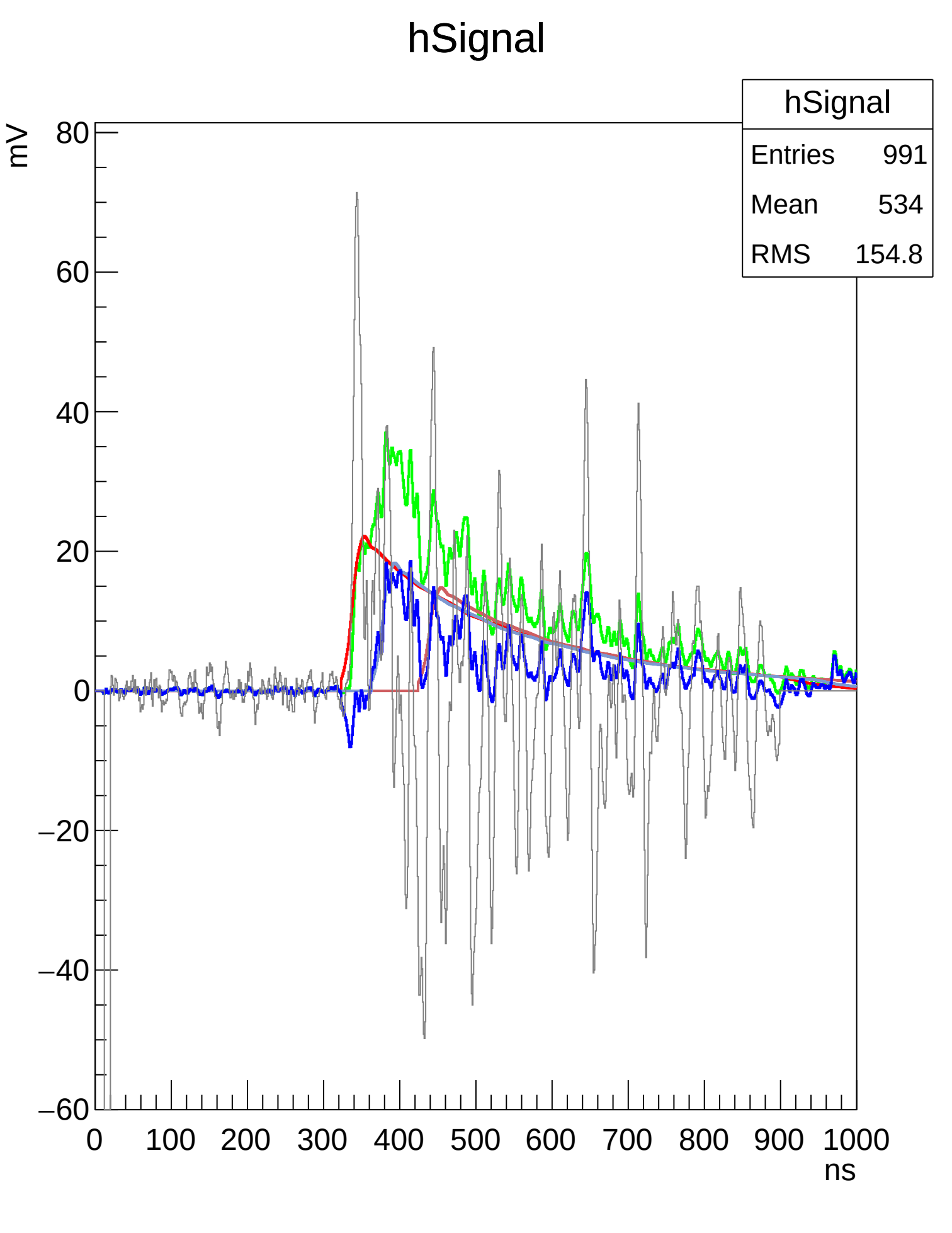
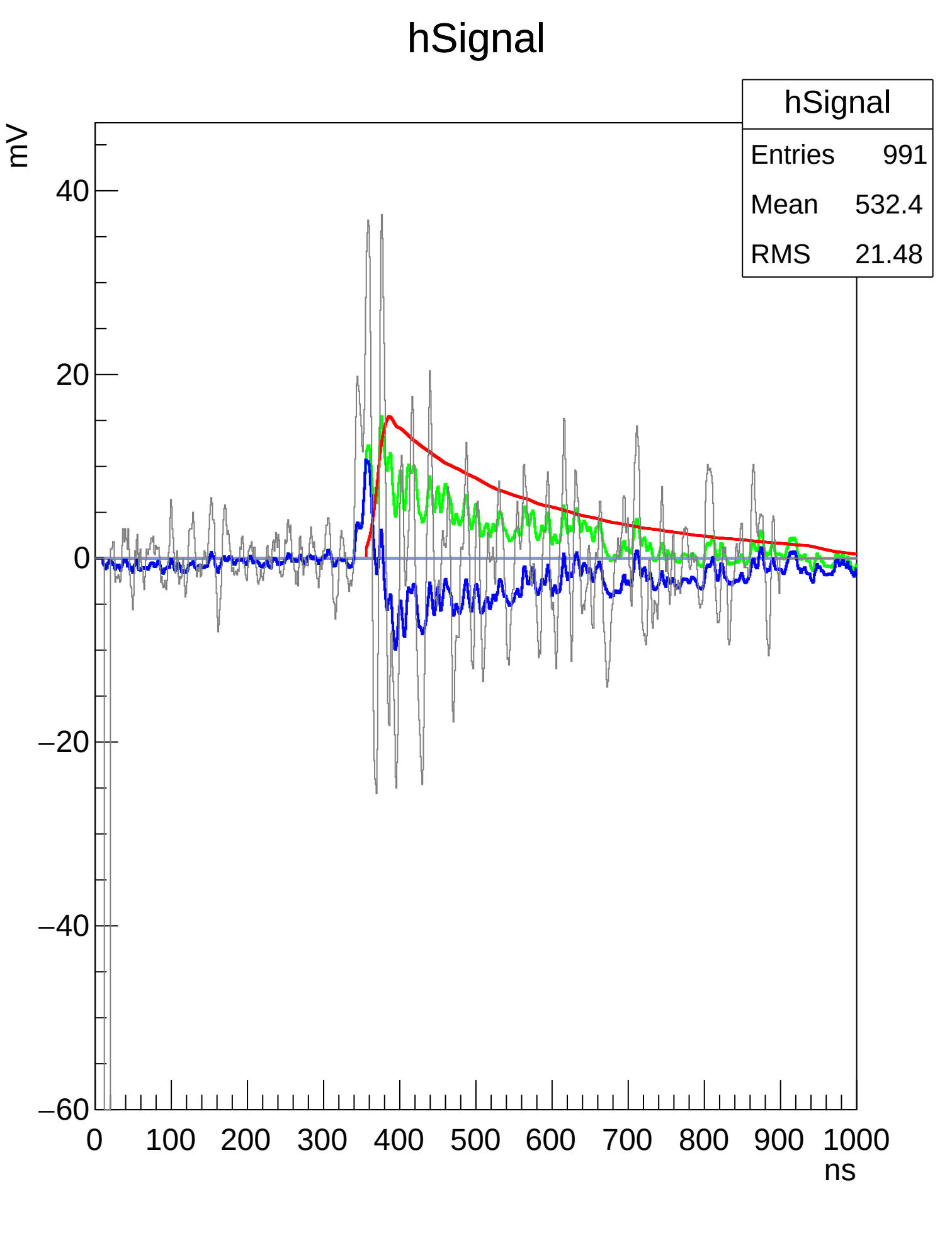
1000
ns


hSignal
hSignal
Entries 991
Mean 539.5
RMS 157.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.6
RMS 164.3
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 546.7
RMS 164
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534
RMS 154.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.4
RMS 21.48
mV
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−20
−40
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0
100
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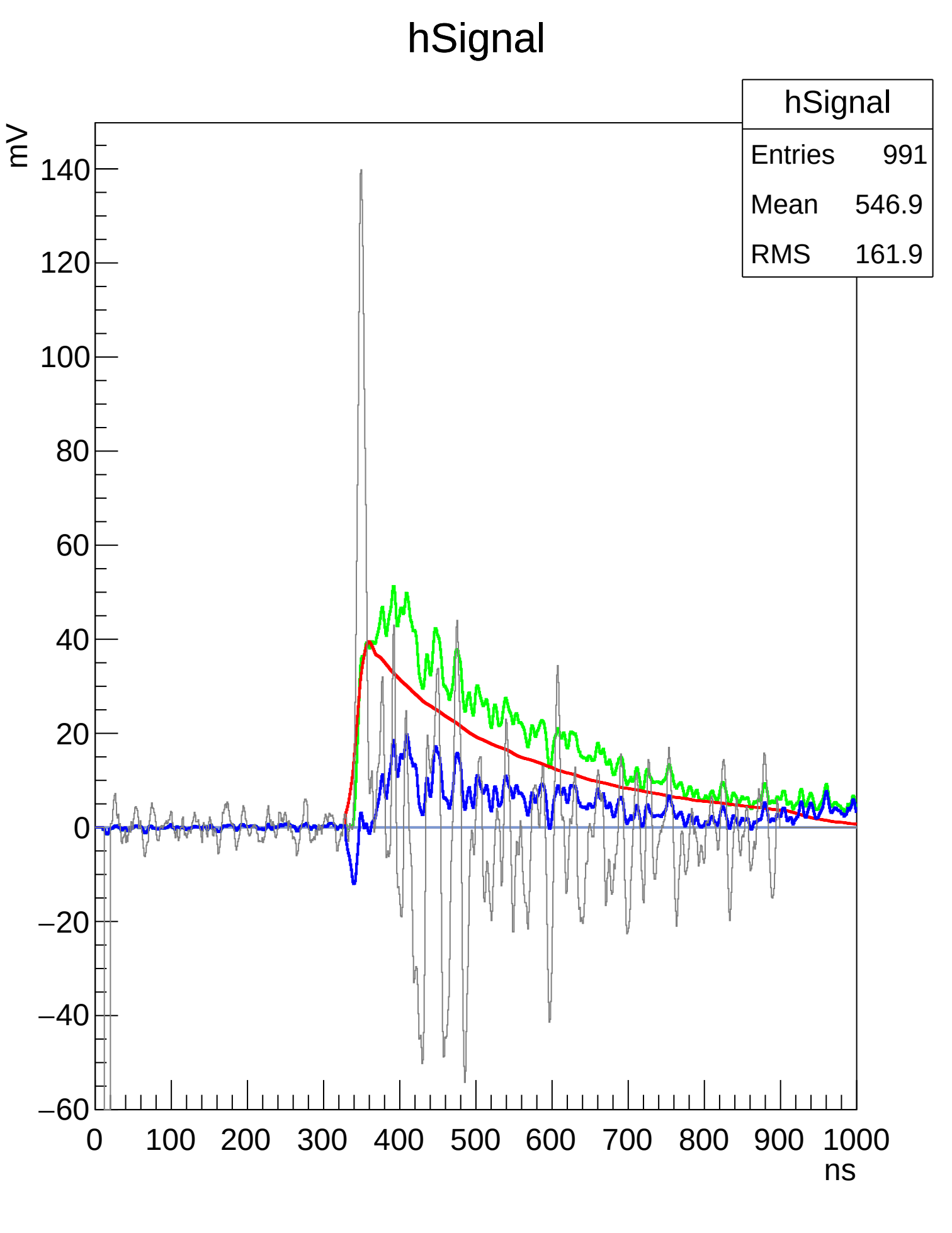
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 161.9
mV
140
120
100
80
60
40
20
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−20
−40
−60
0
100
200
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400
500
600
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800
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1000
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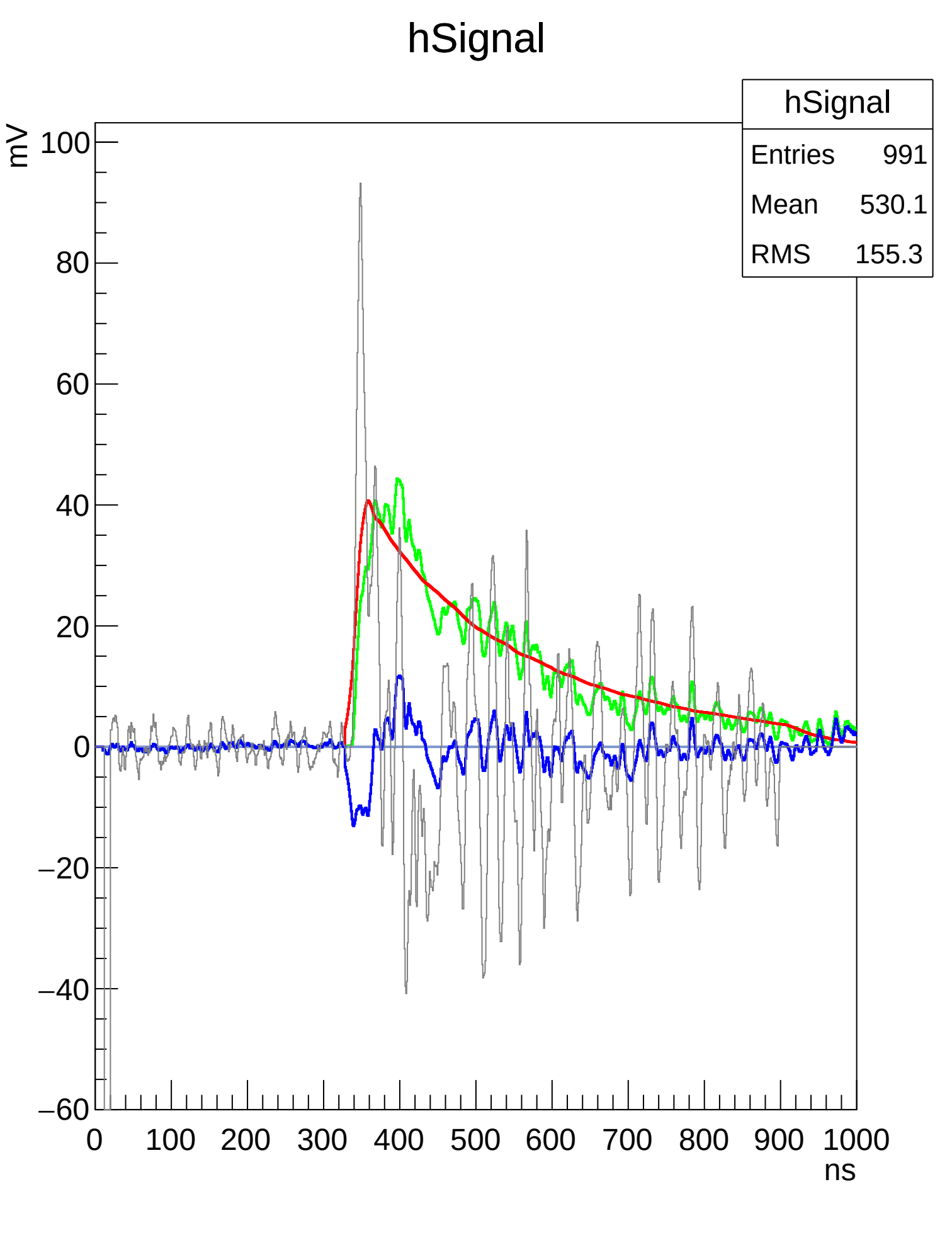
hSignal
hSignal
Entries 991
Mean 530.1
RMS 155.3
mV
100
80
60
40
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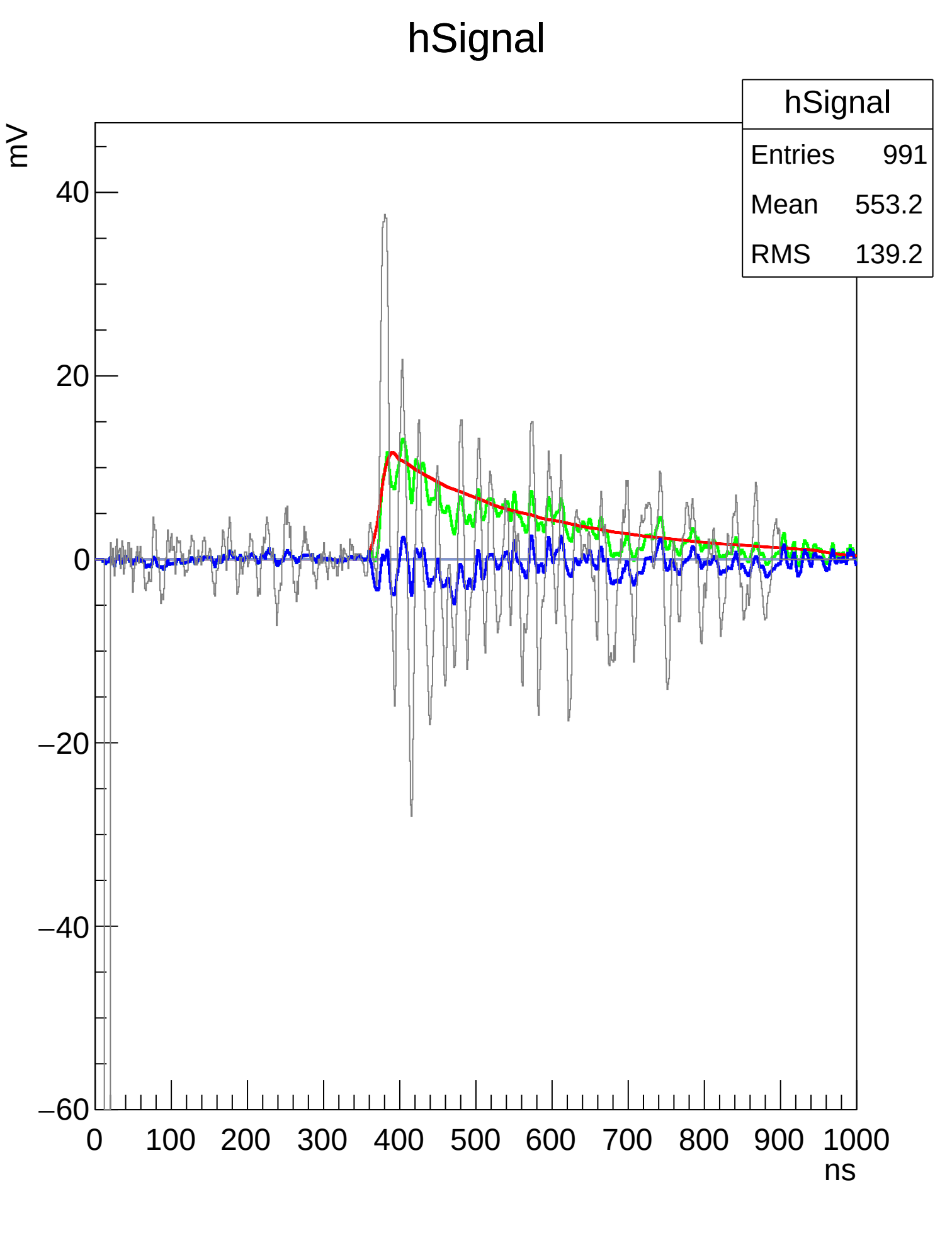
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.2
RMS 139.2
mV
40
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0
−20
−40
−60
0
100
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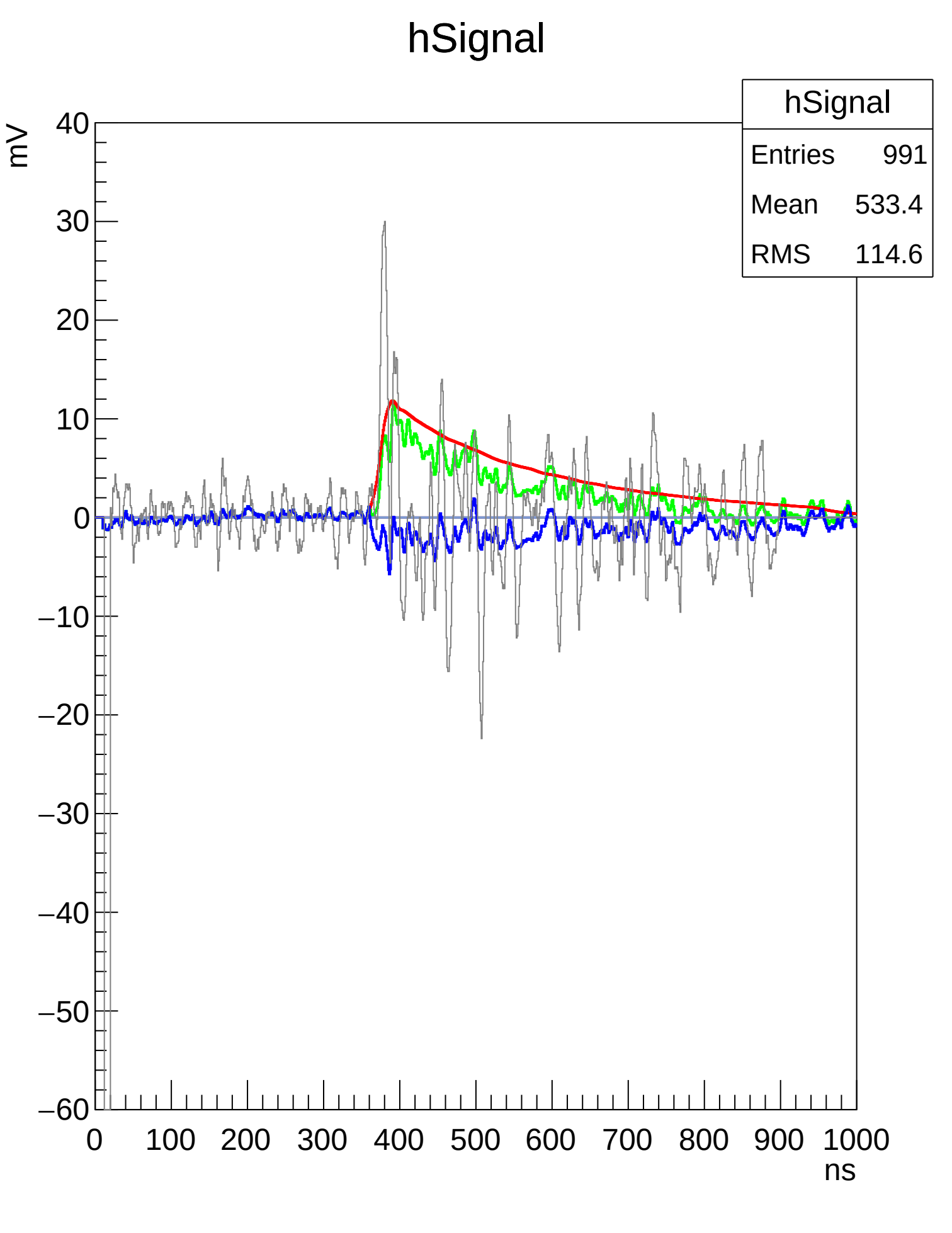
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.4
RMS 114.6
mV
40
30
20
10
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−10
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−60
0
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400
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800
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1000
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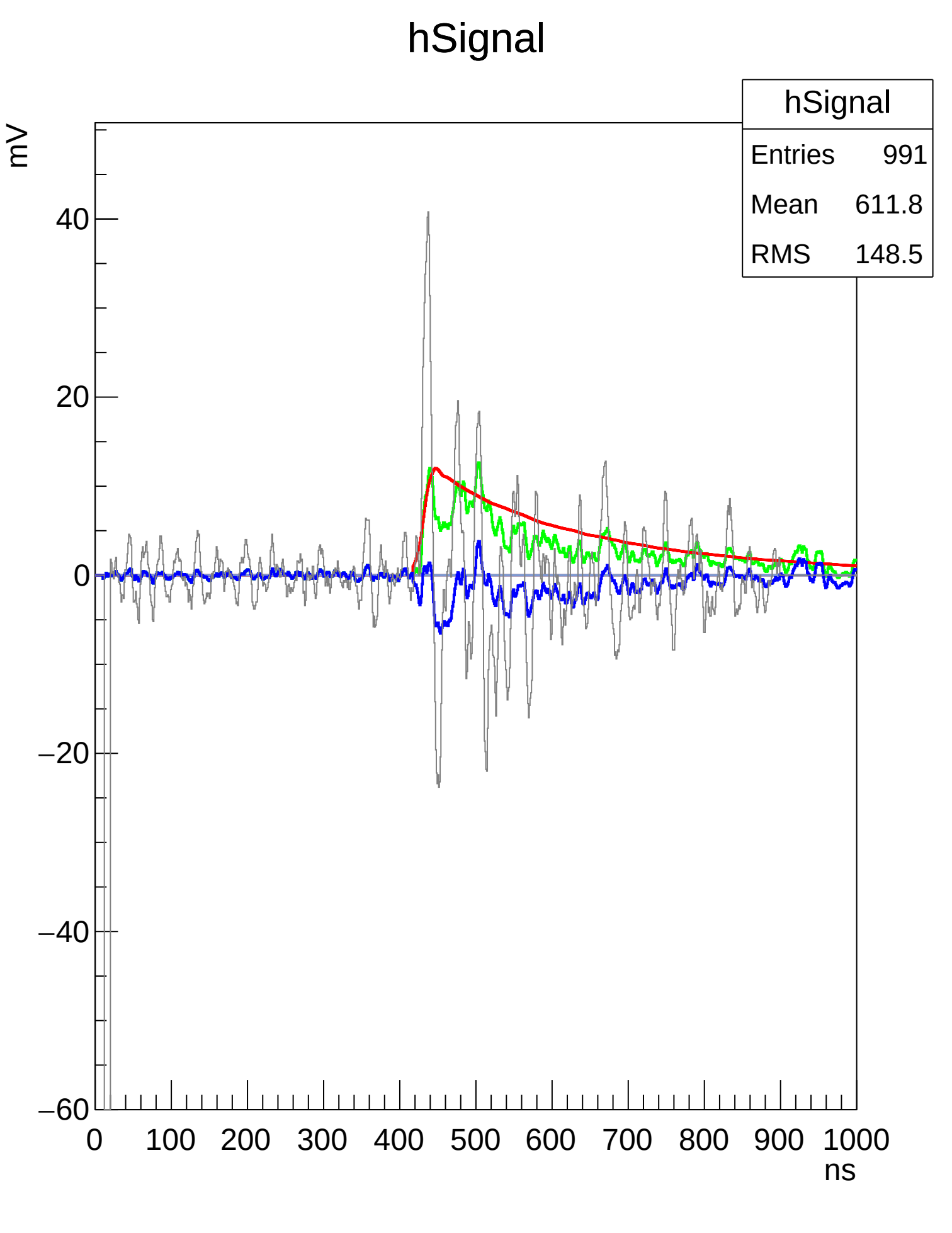
hSignal
hSignal
Entries 991
Mean 611.8
RMS 148.5
mV
40
20
0
−20
−40
−60
0
100
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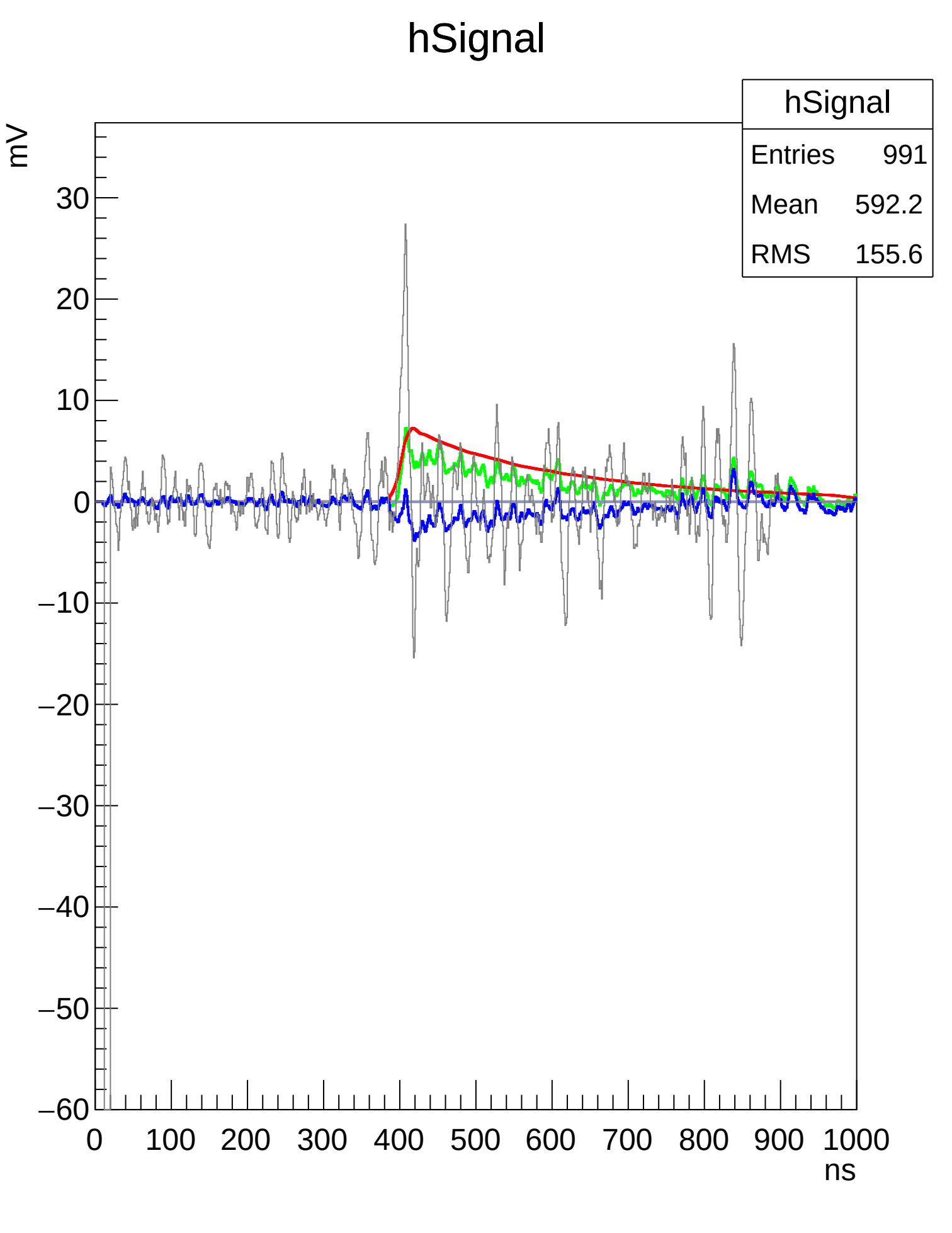
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.2
RMS 155.6
mV
30
20
10
0
−10
−20
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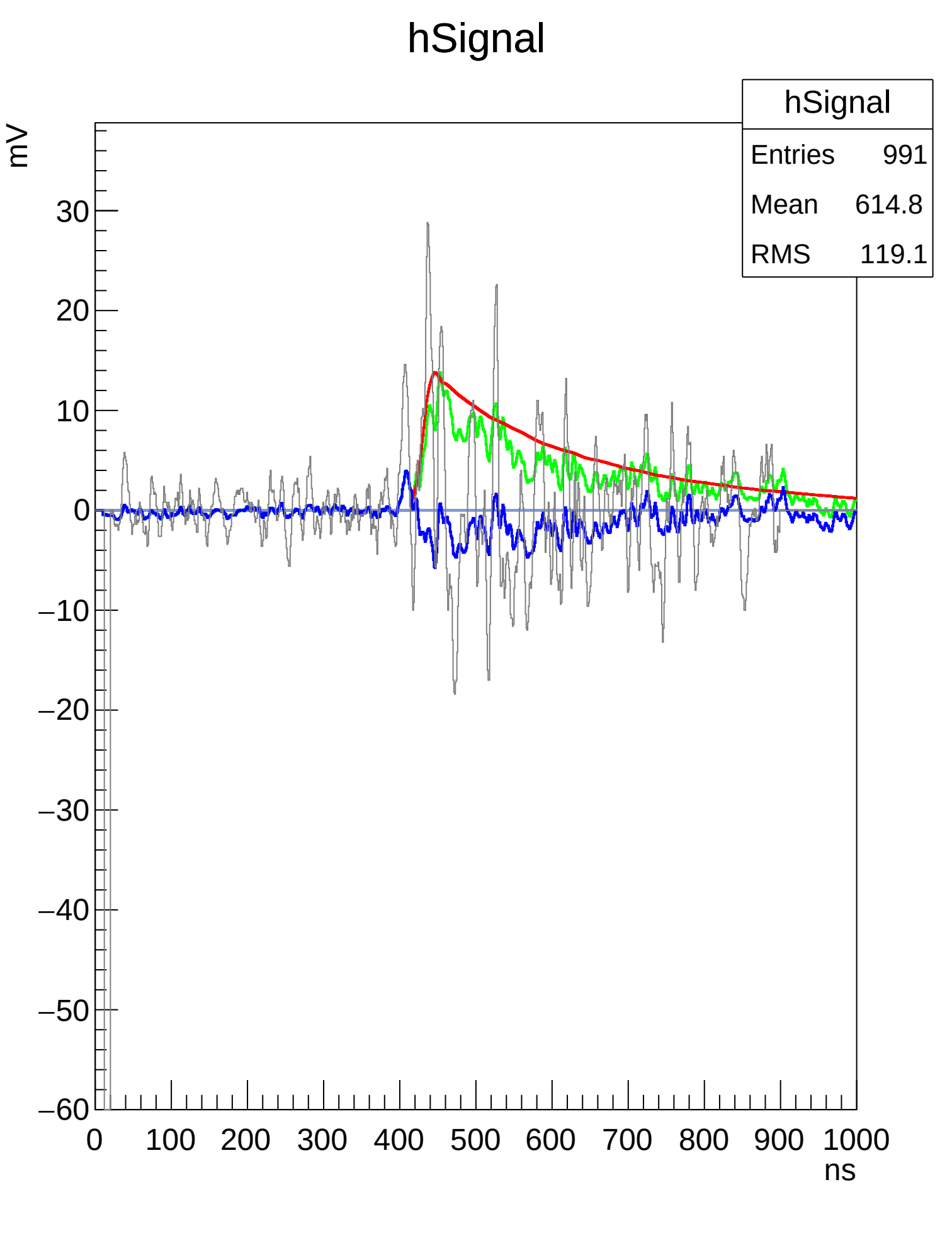
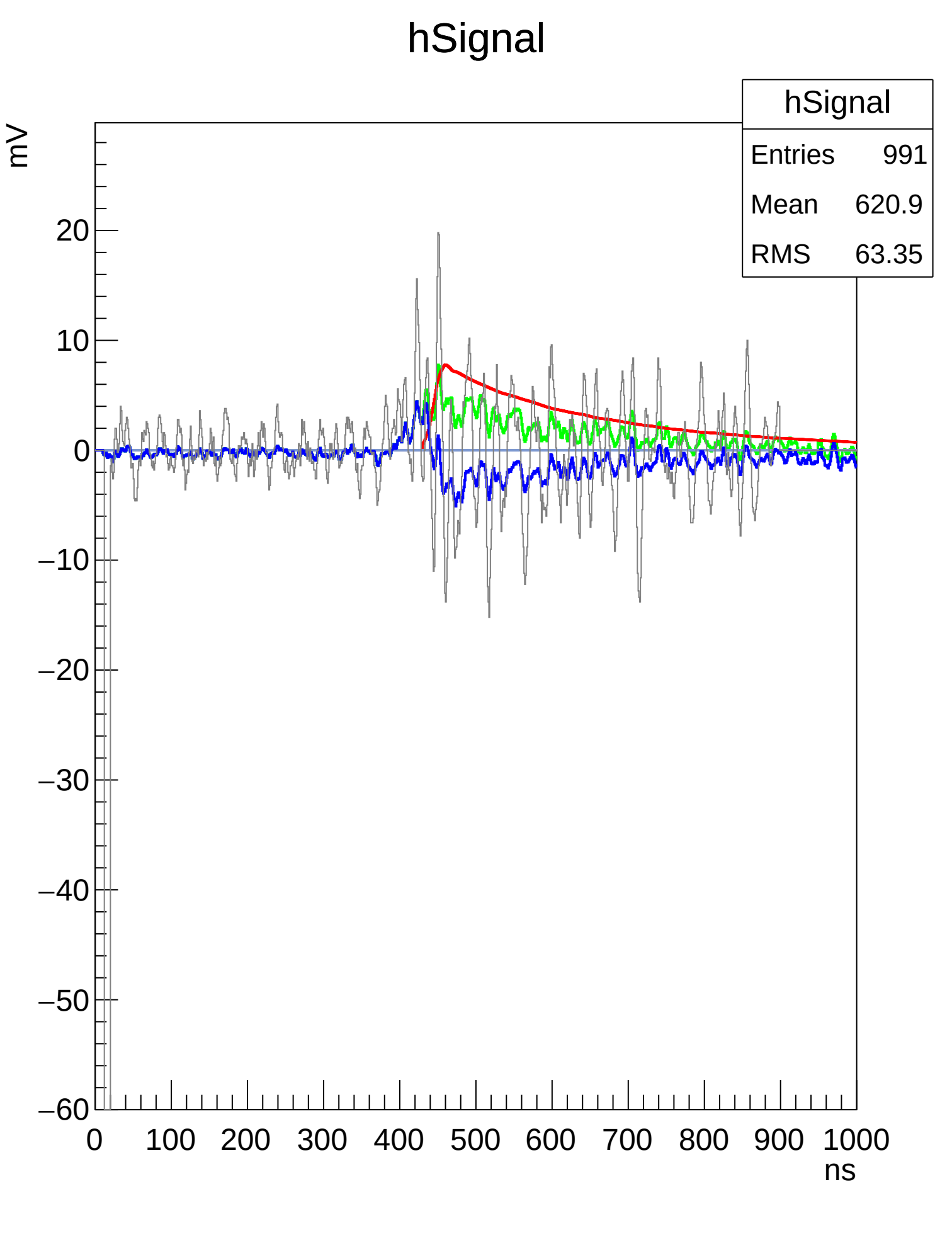
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.8
RMS 119.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.9
RMS 63.35
mV
20
10
0
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−50
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0
100
200
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400
500
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800
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1000
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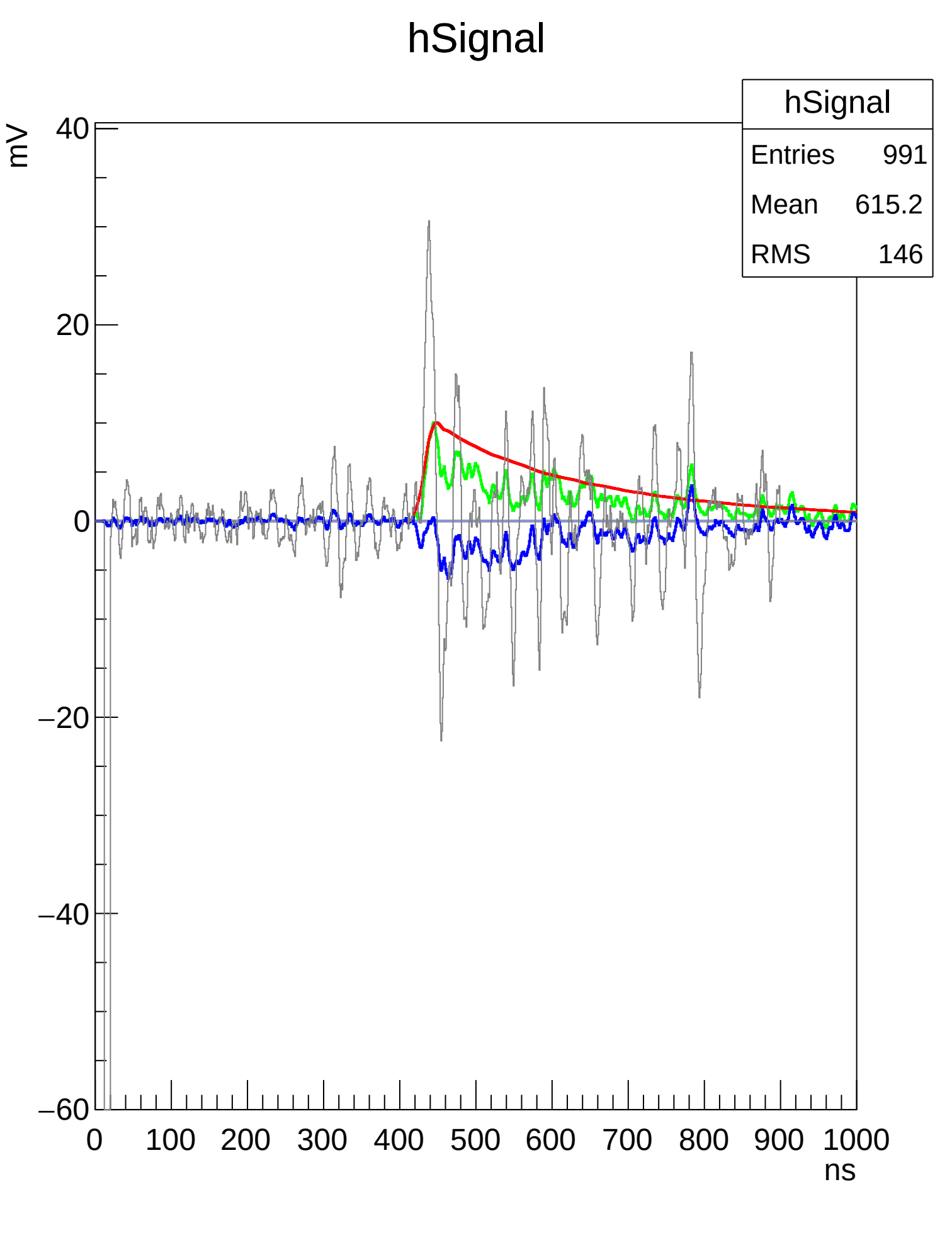
hSignal
hSignal
Entries 991
Mean 615.2
RMS 146
mV
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−20
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0
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400
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700
800
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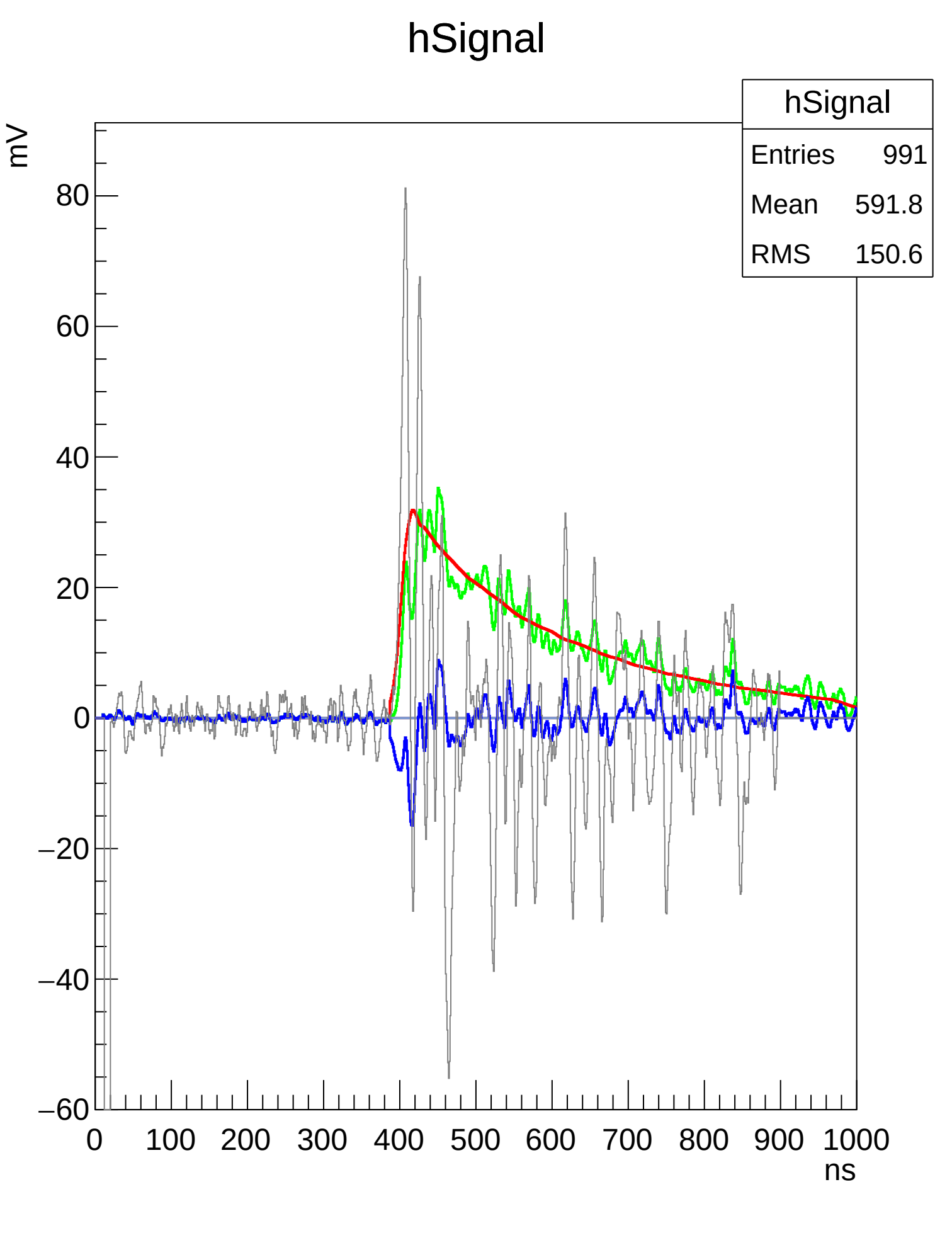
1000
ns


hSignal
hSignal
Entries 991
Mean 591.8
RMS 150.6
mV
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60
40
20
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0
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200
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400
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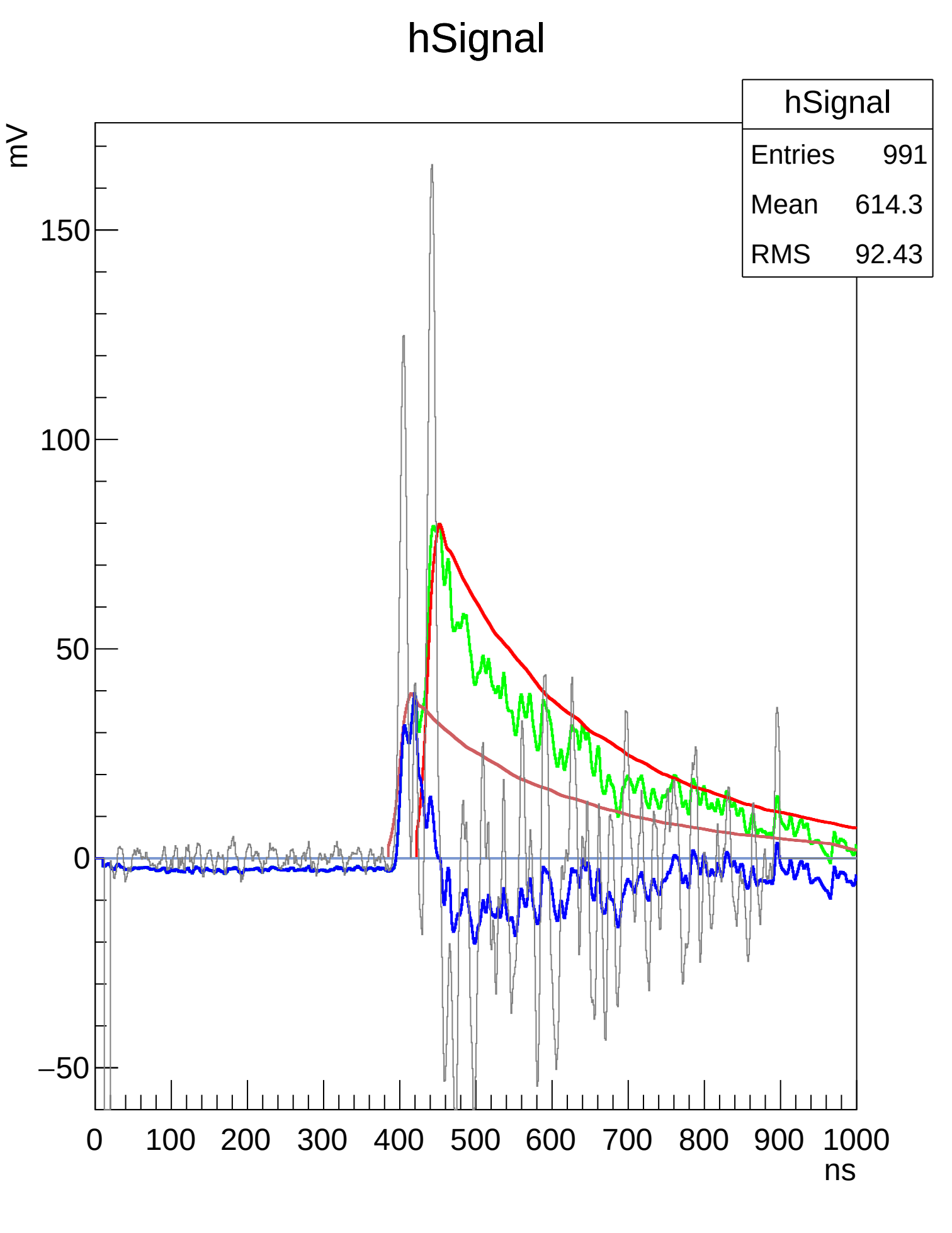
hSignal
hSignal
Entries 991
Mean 614.3
RMS 92.43
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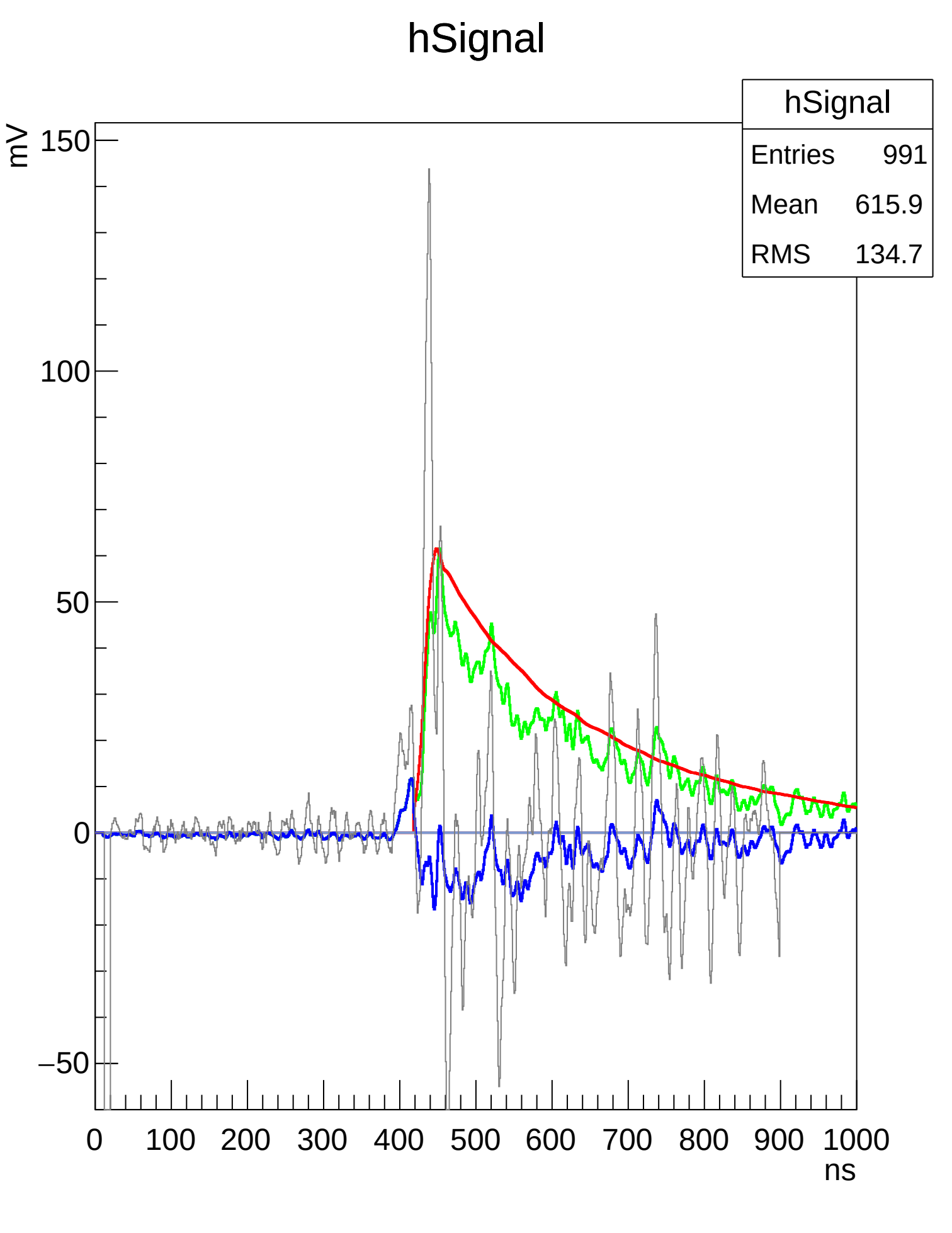
1000
ns


hSignal
hSignal
Entries 991
Mean 615.9
RMS 134.7
mV
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50
0
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0
100
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600
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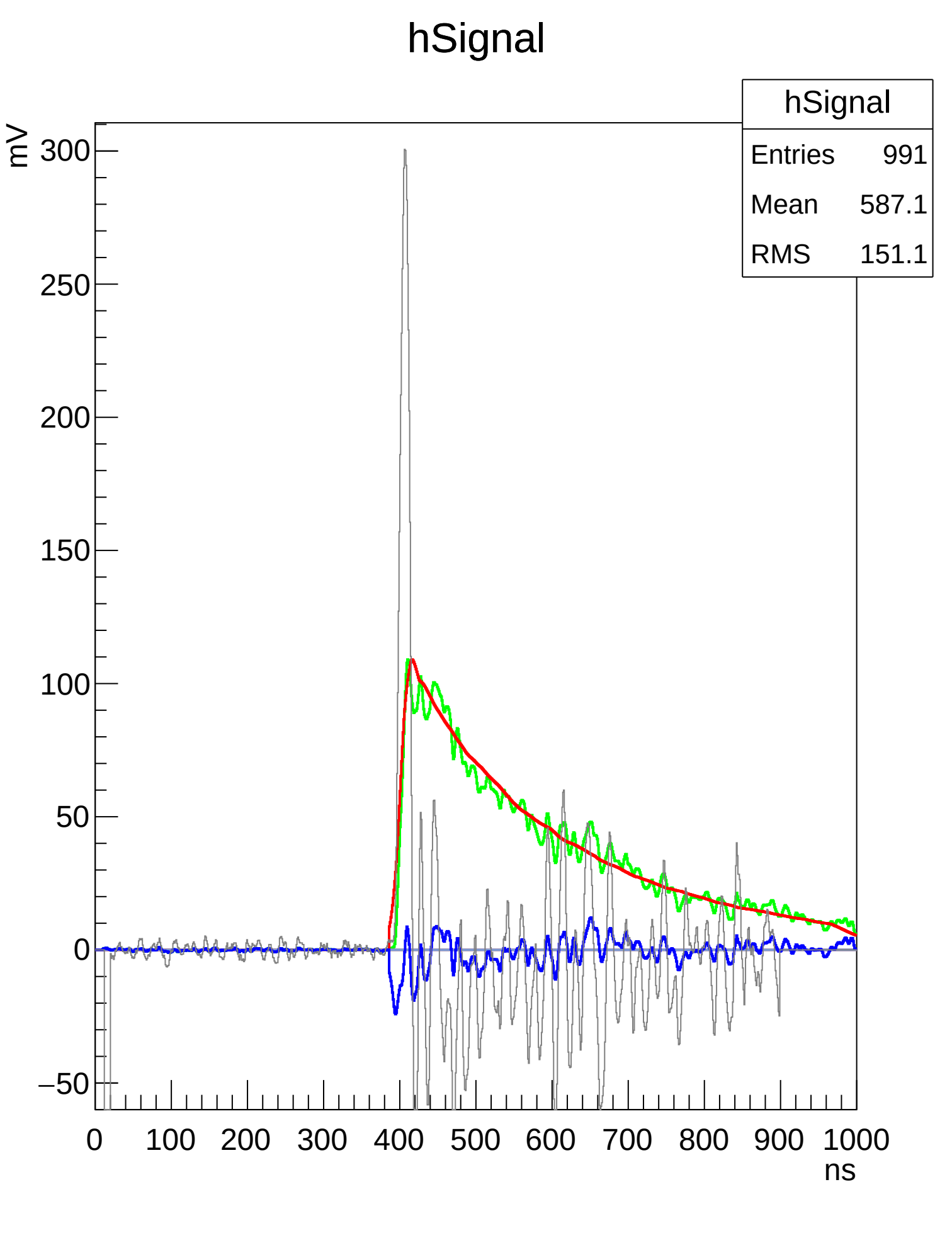
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.1
RMS 151.1
mV
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250
200
150
100
50
0
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0
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400
500
600
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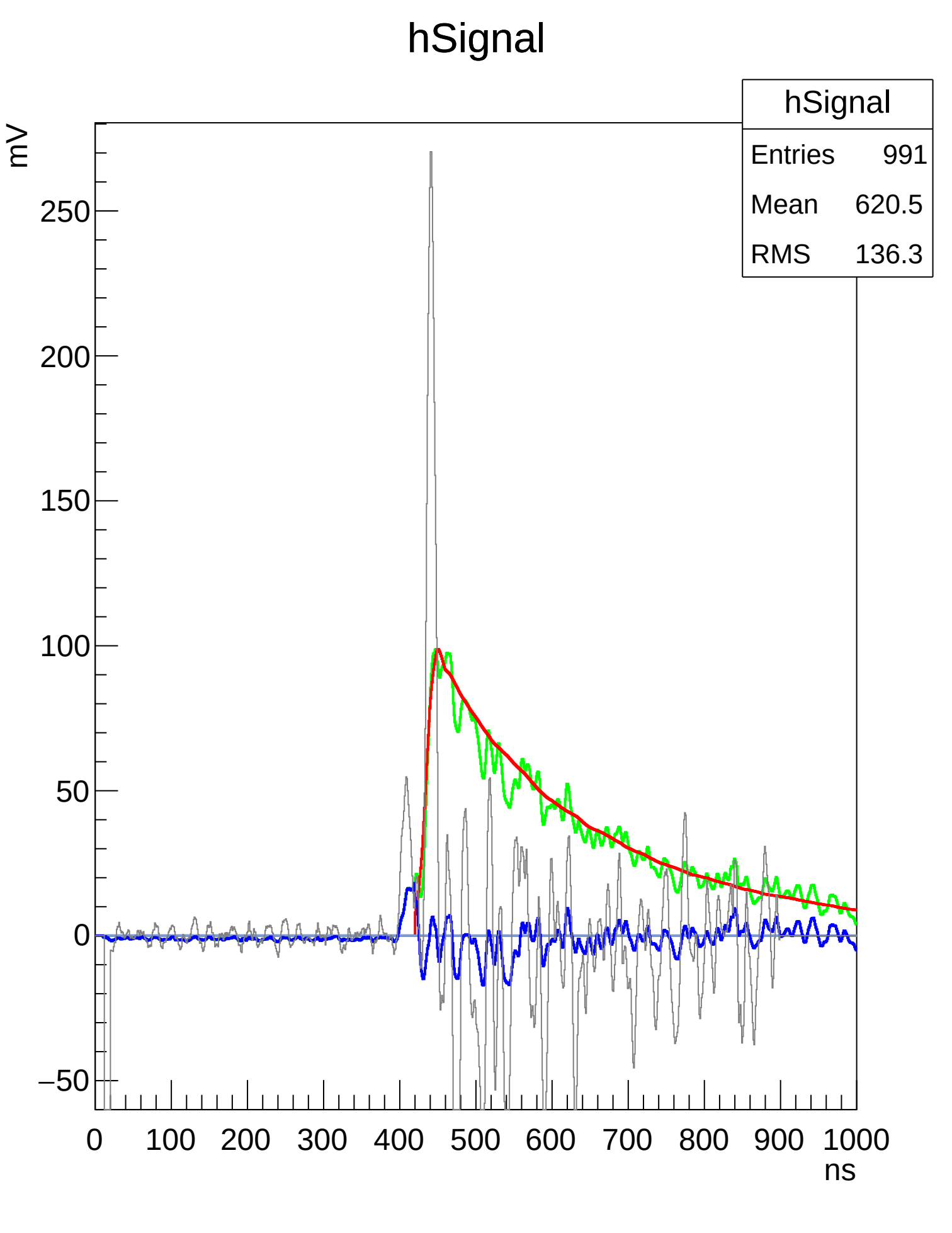
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.5
RMS 136.3
mV
250
200
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100
50
0
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0
100
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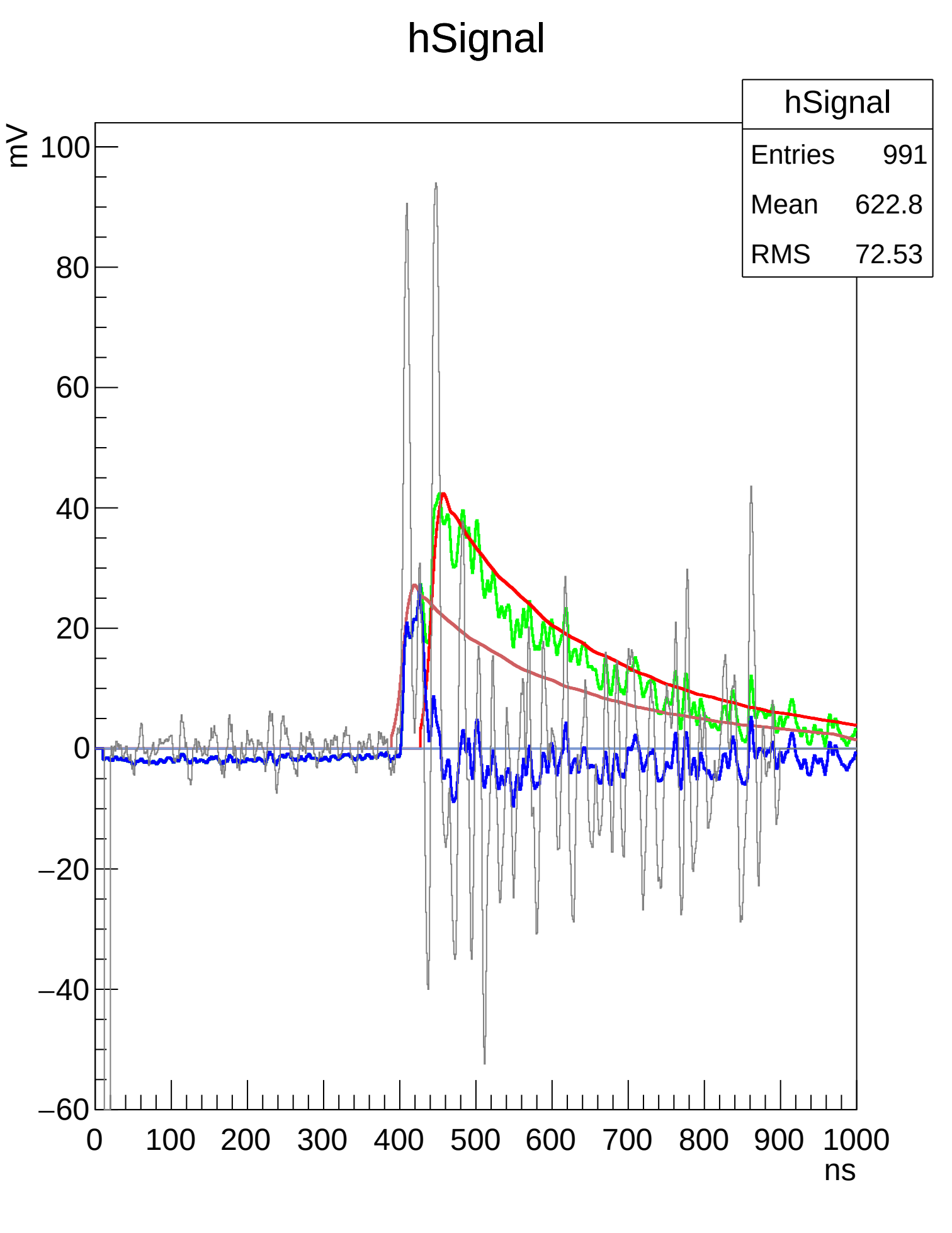
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.8
RMS 72.53
mV
100
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0
100
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400
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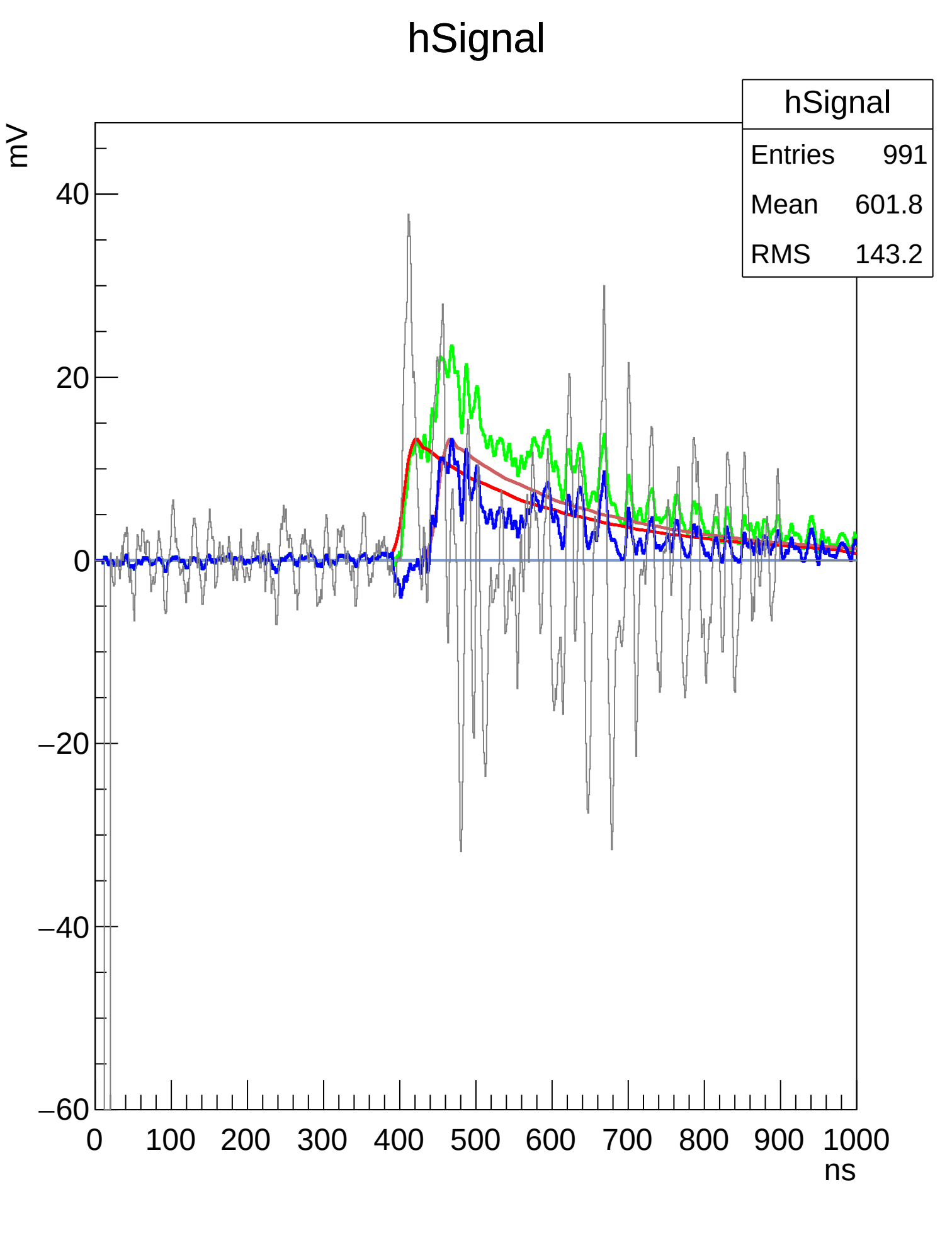
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.8
RMS 143.2
mV
40
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0
−20
−40
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0
100
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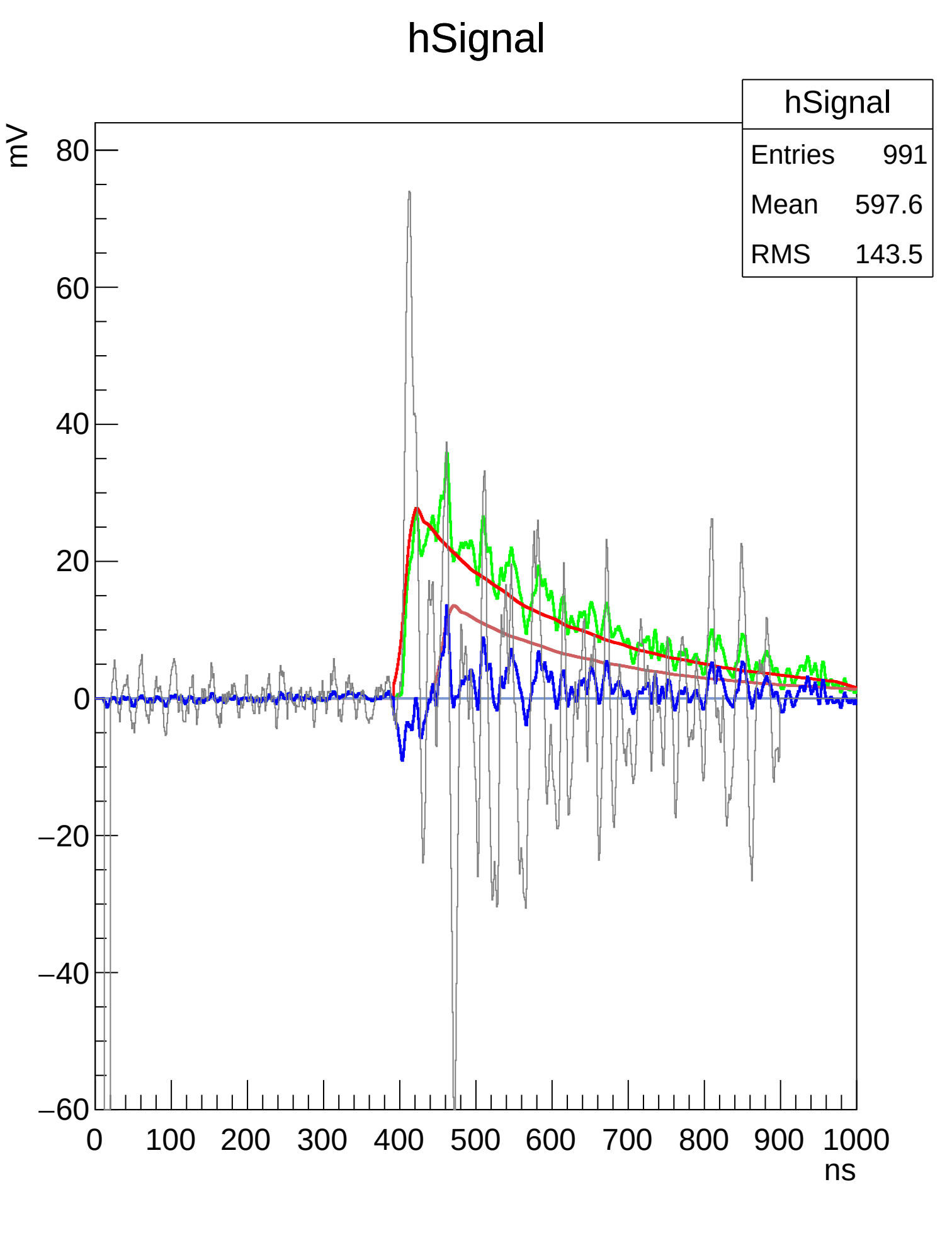
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.6
RMS 143.5
mV
80
60
40
20
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800
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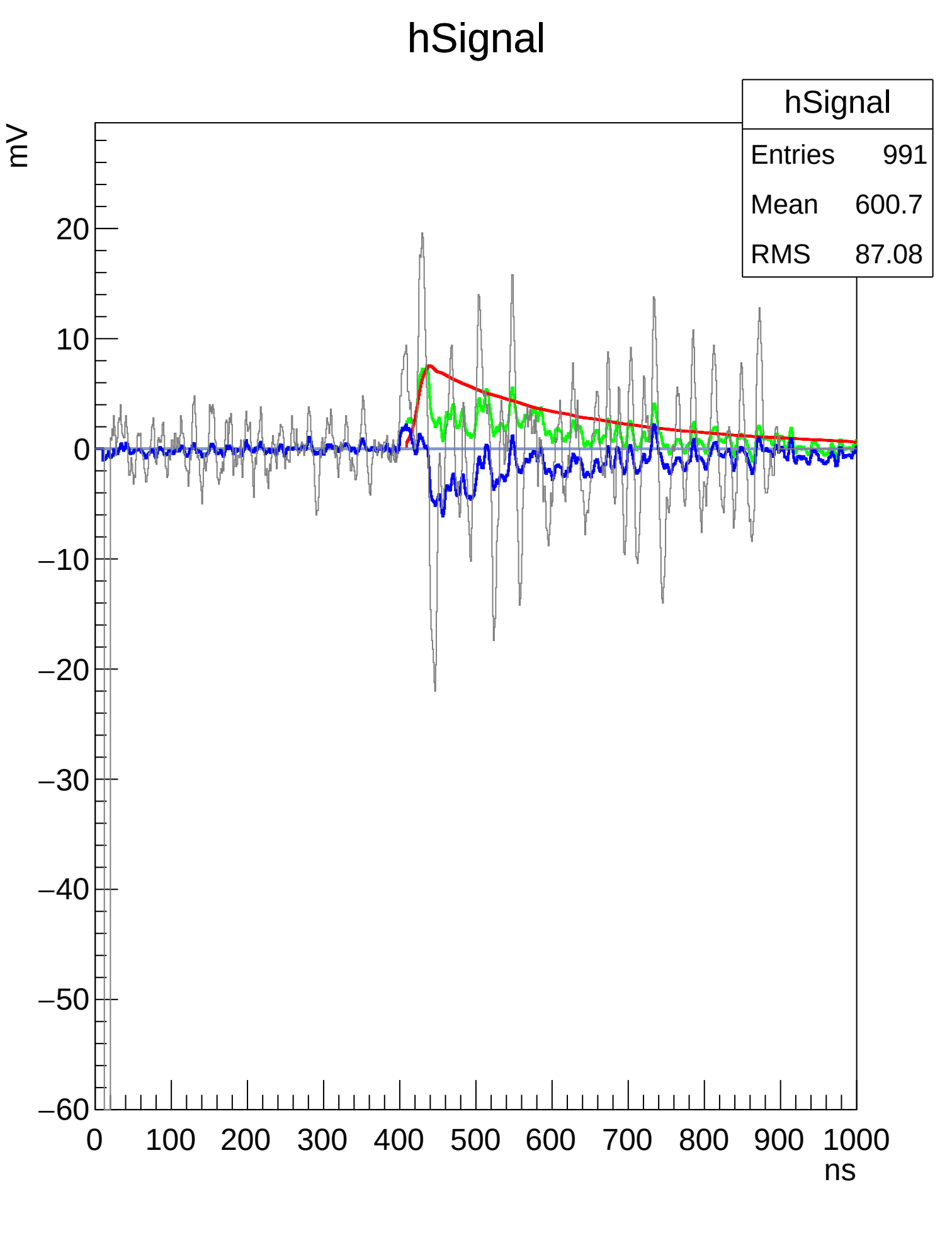
1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 87.08
mV
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10
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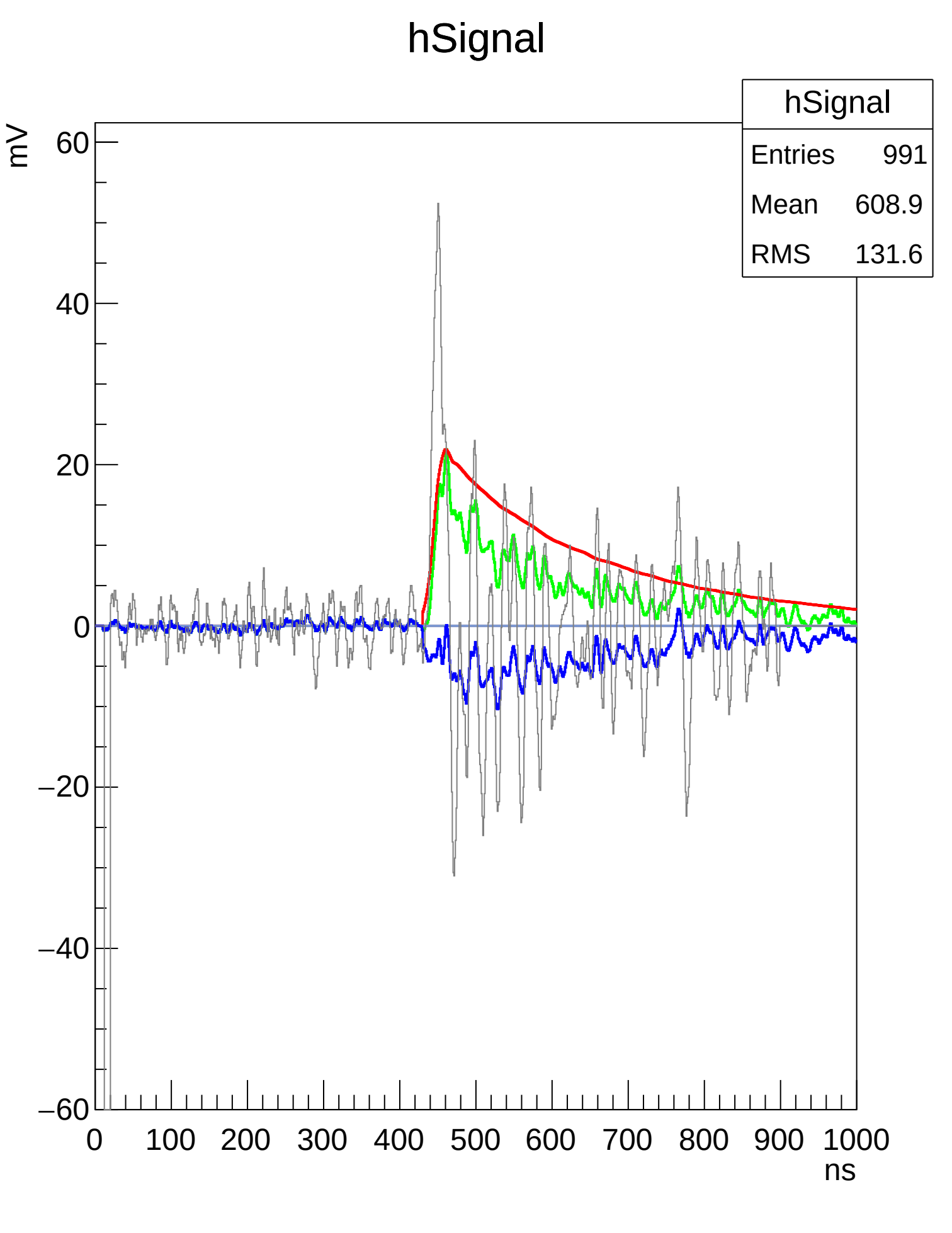
1000
ns


hSignal
hSignal
Entries 991
Mean 608.9
RMS 131.6
mV
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40
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−20
−40
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0
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600
700
800
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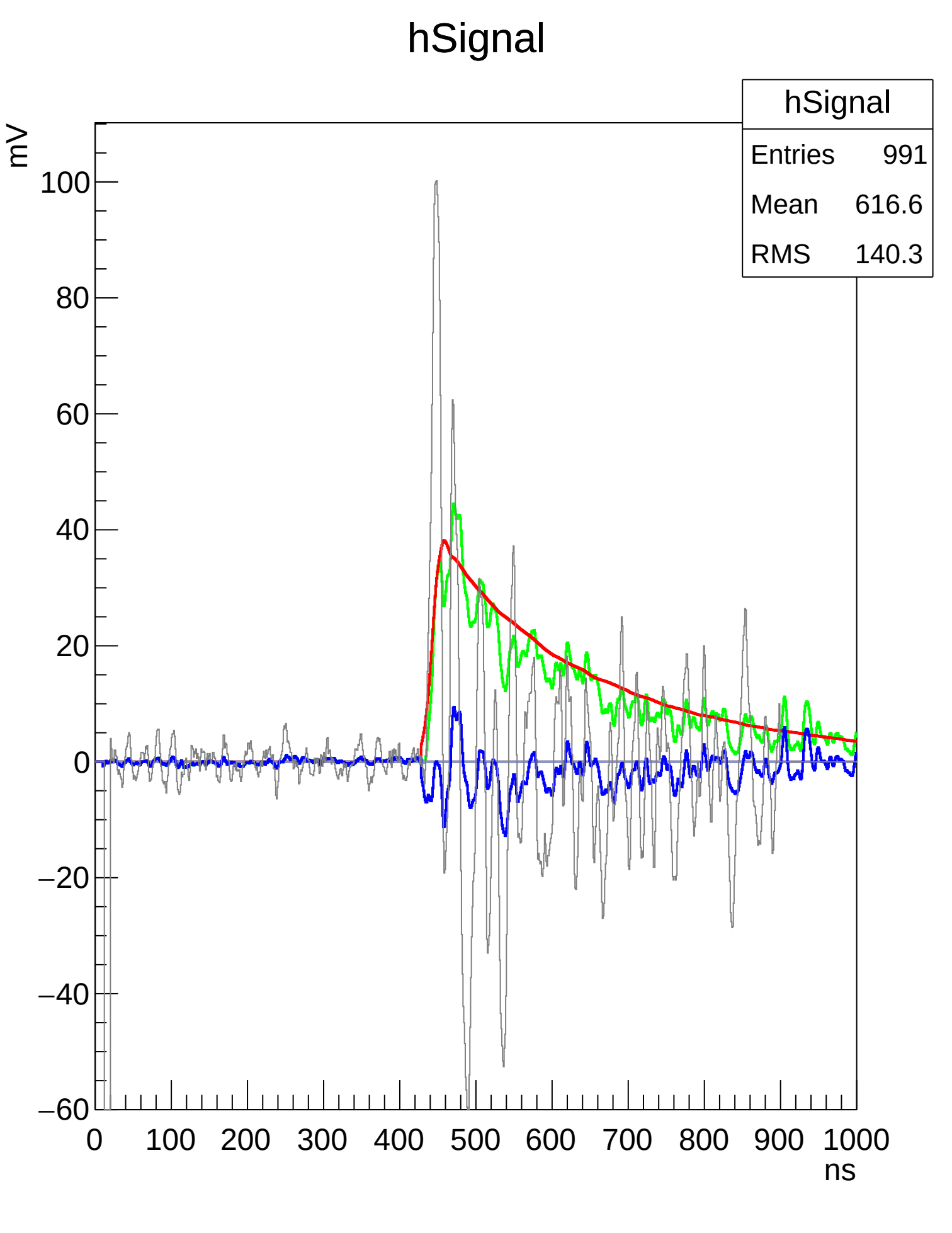
1000
ns


hSignal
hSignal
Entries 991
Mean 616.6
RMS 140.3
mV
100
80
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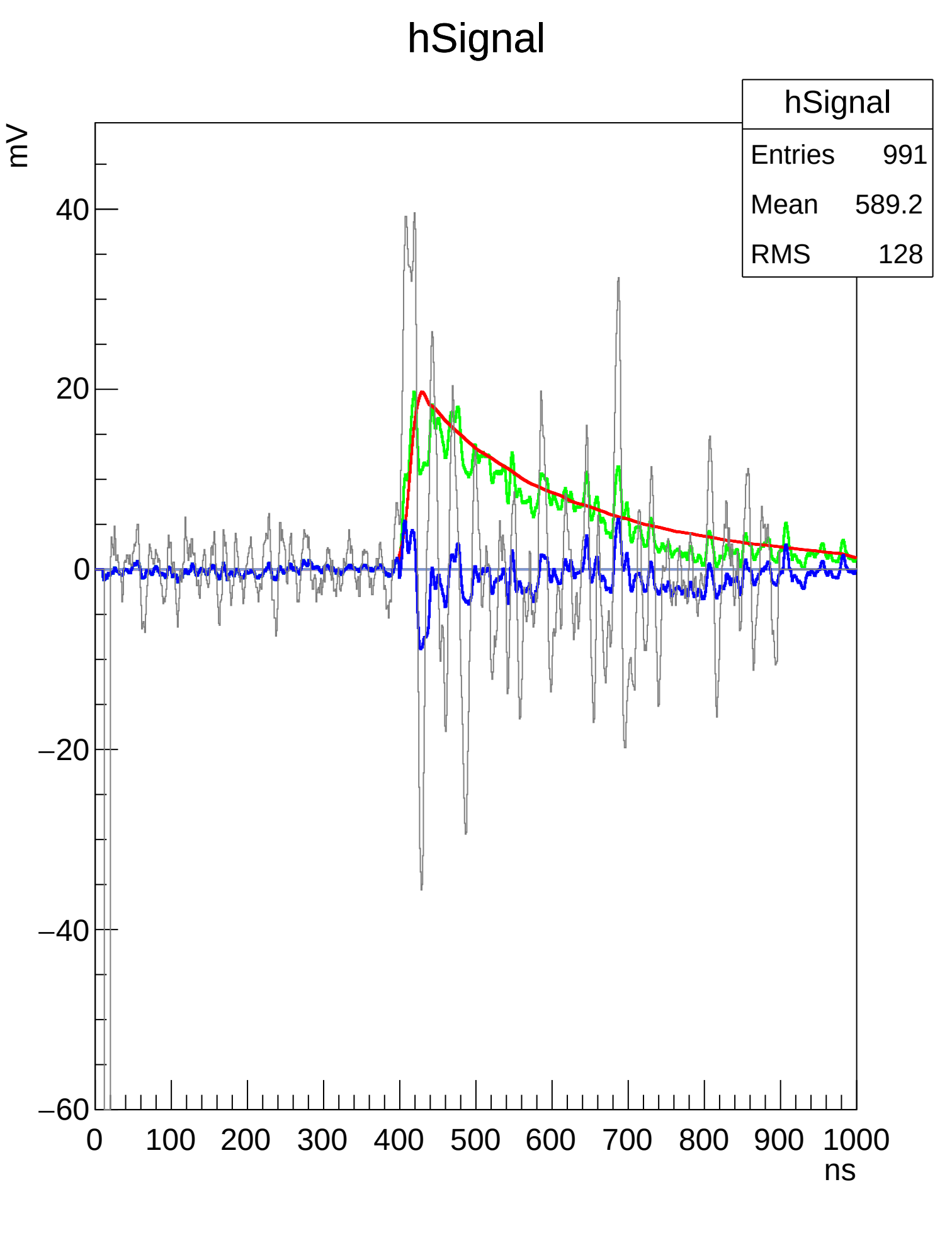
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 128
mV
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−20
−40
−60
0
100
200
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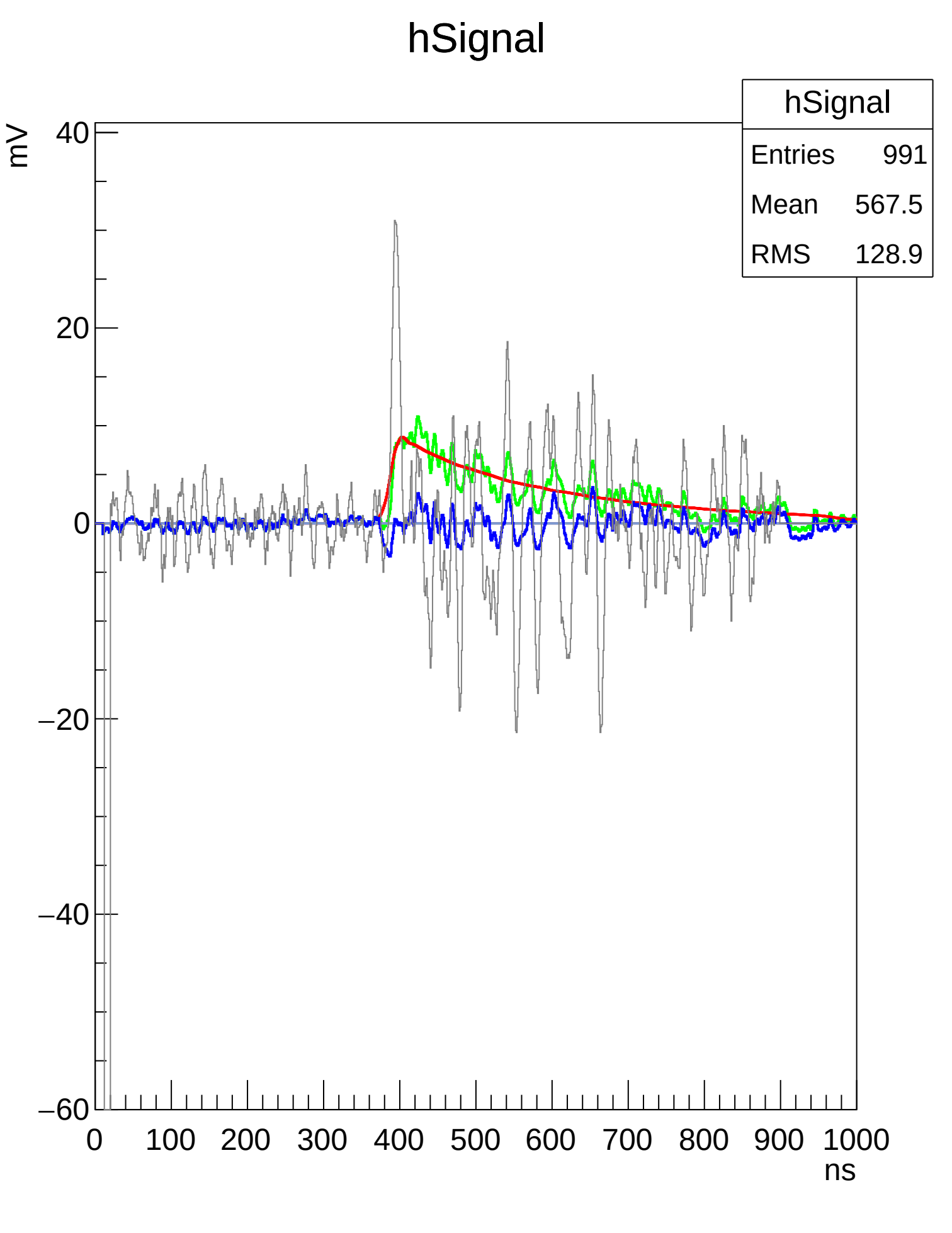
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.5
RMS 128.9
mV
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−20
−40
−60
0
100
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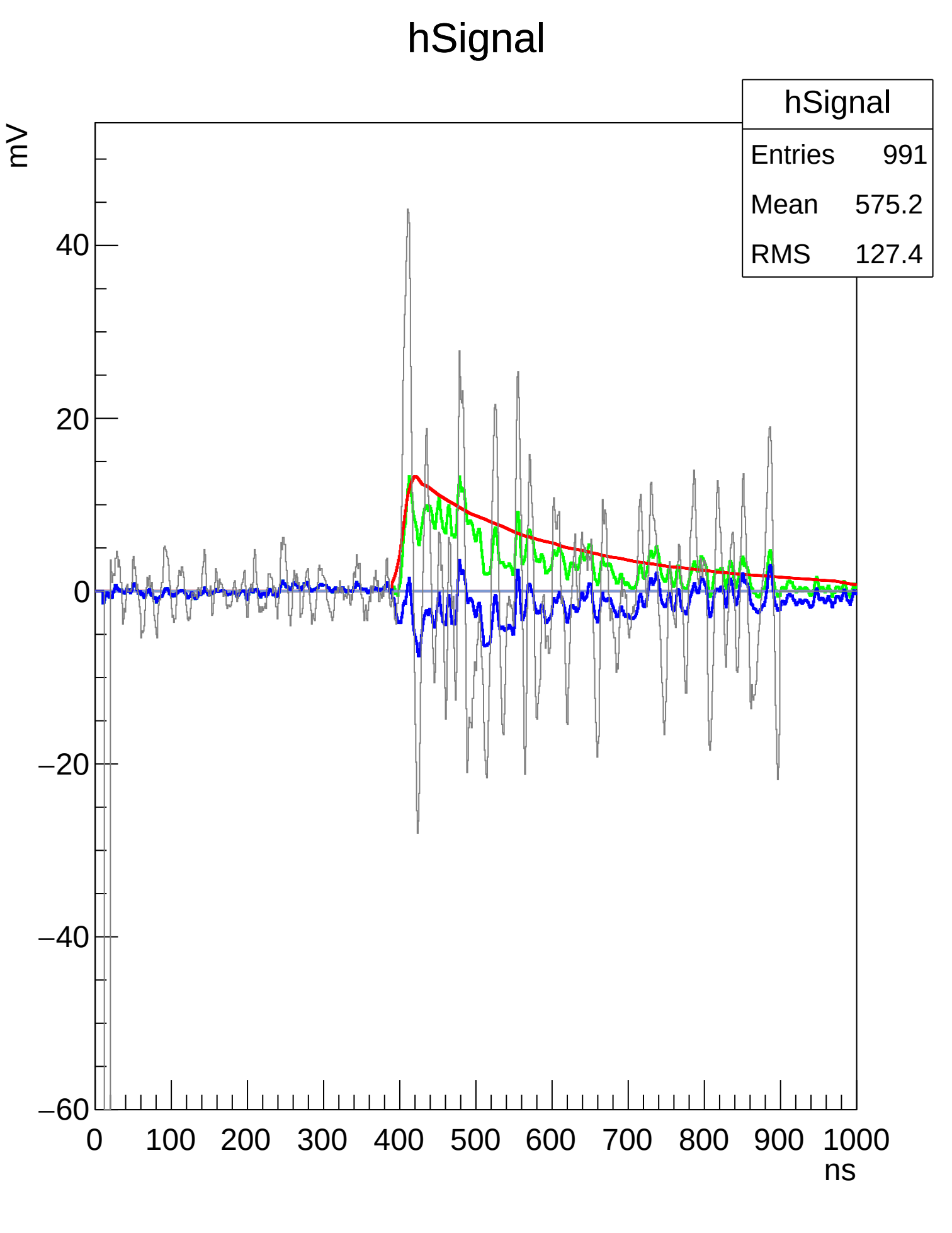
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.2
RMS 127.4
mV
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−20
−40
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100
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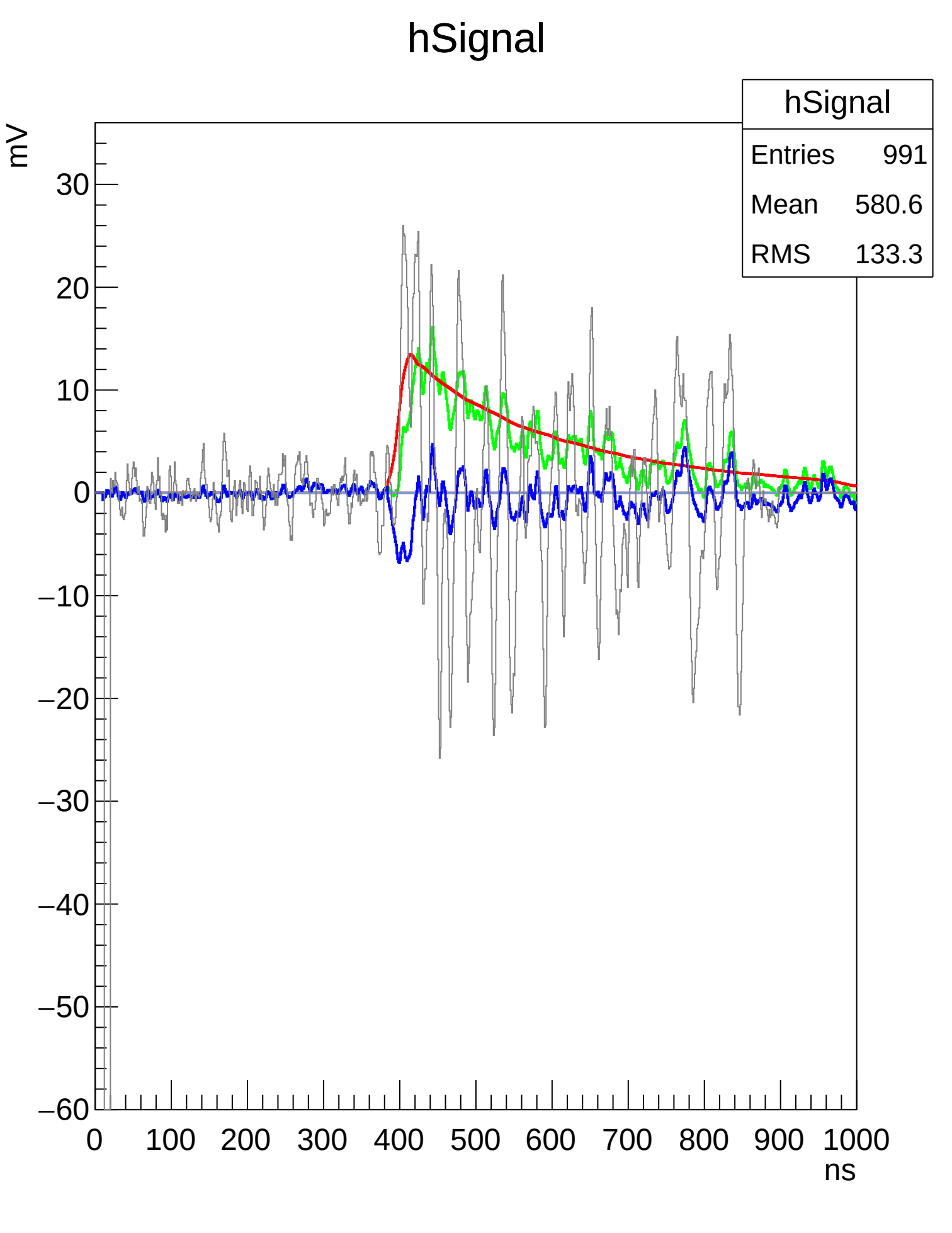
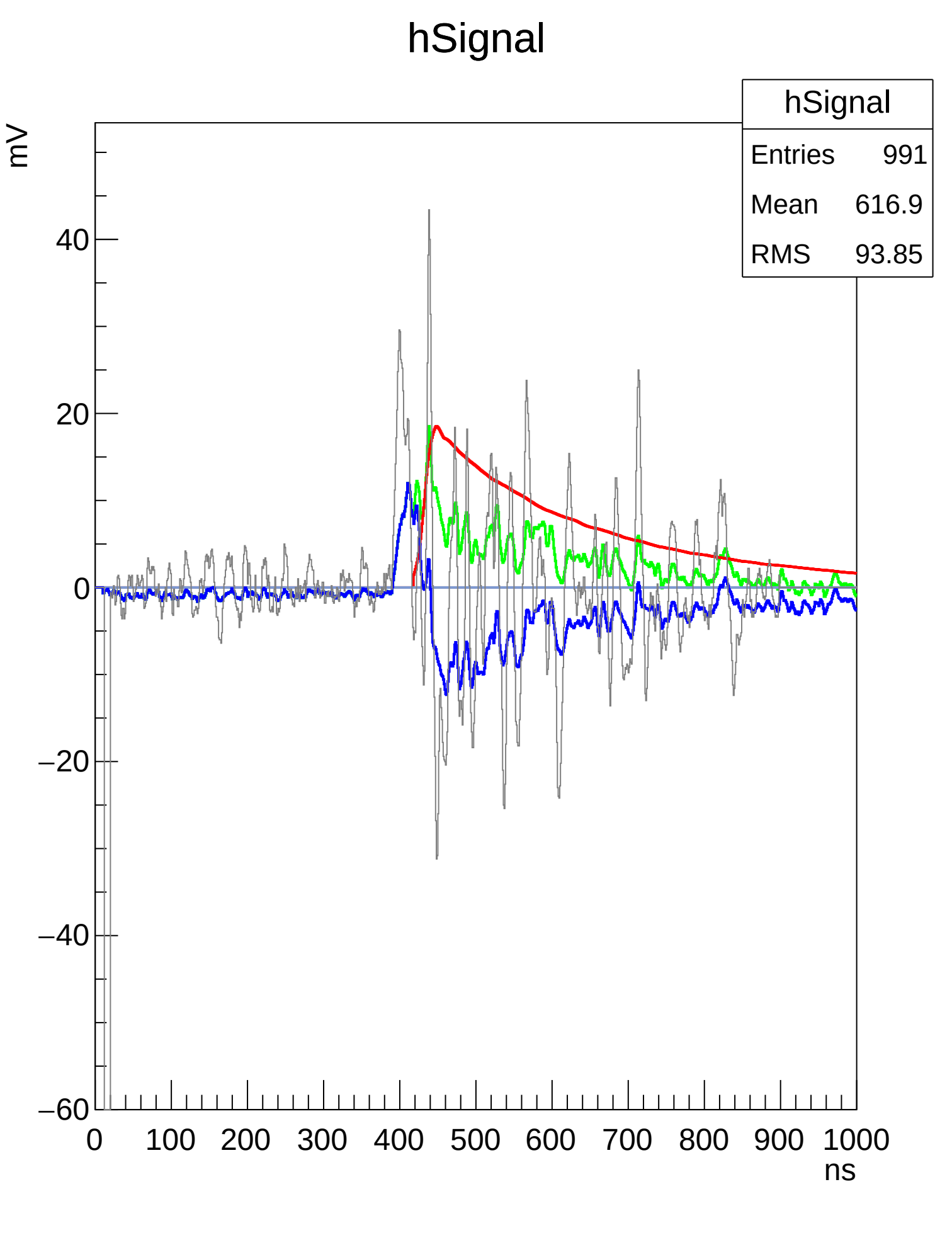
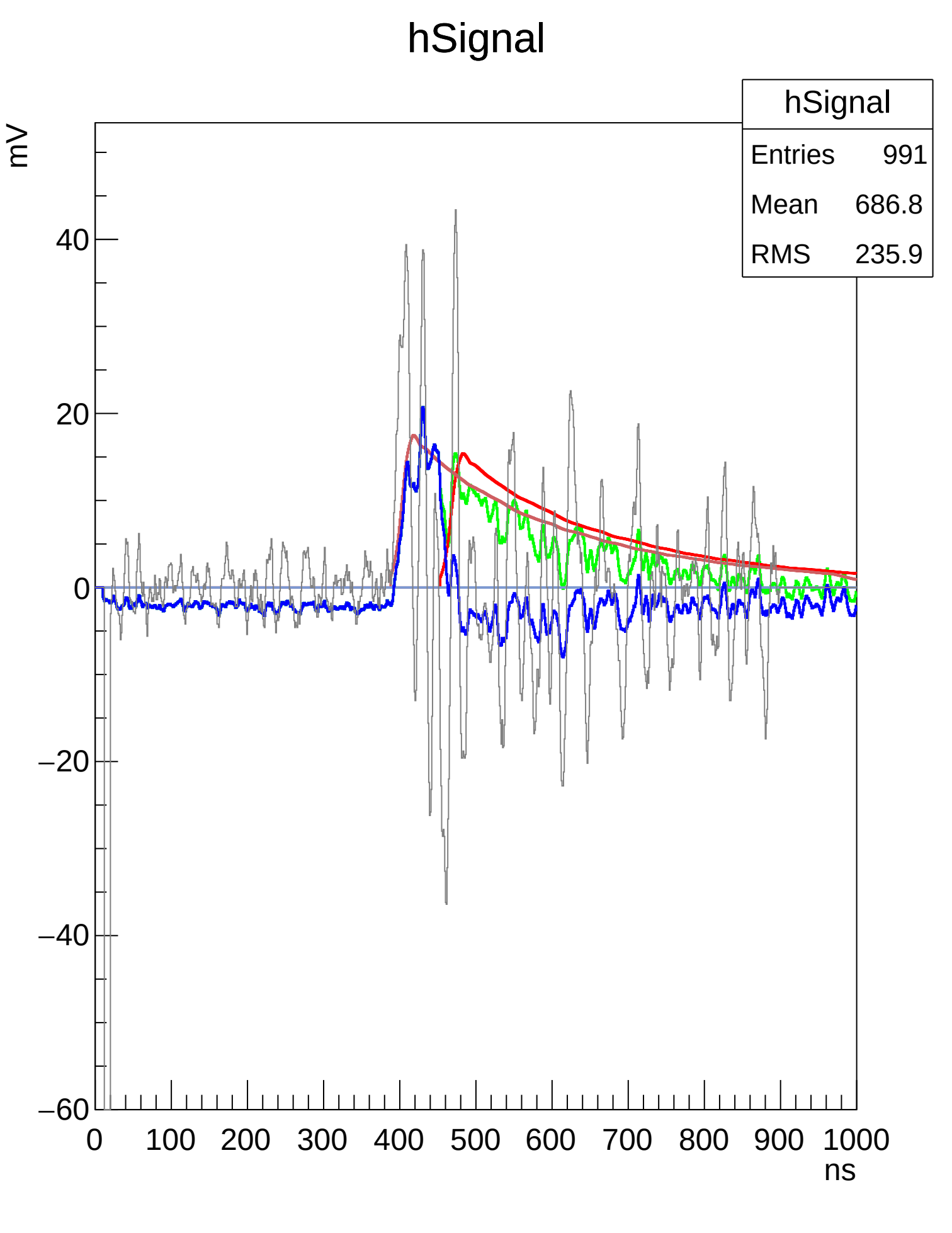
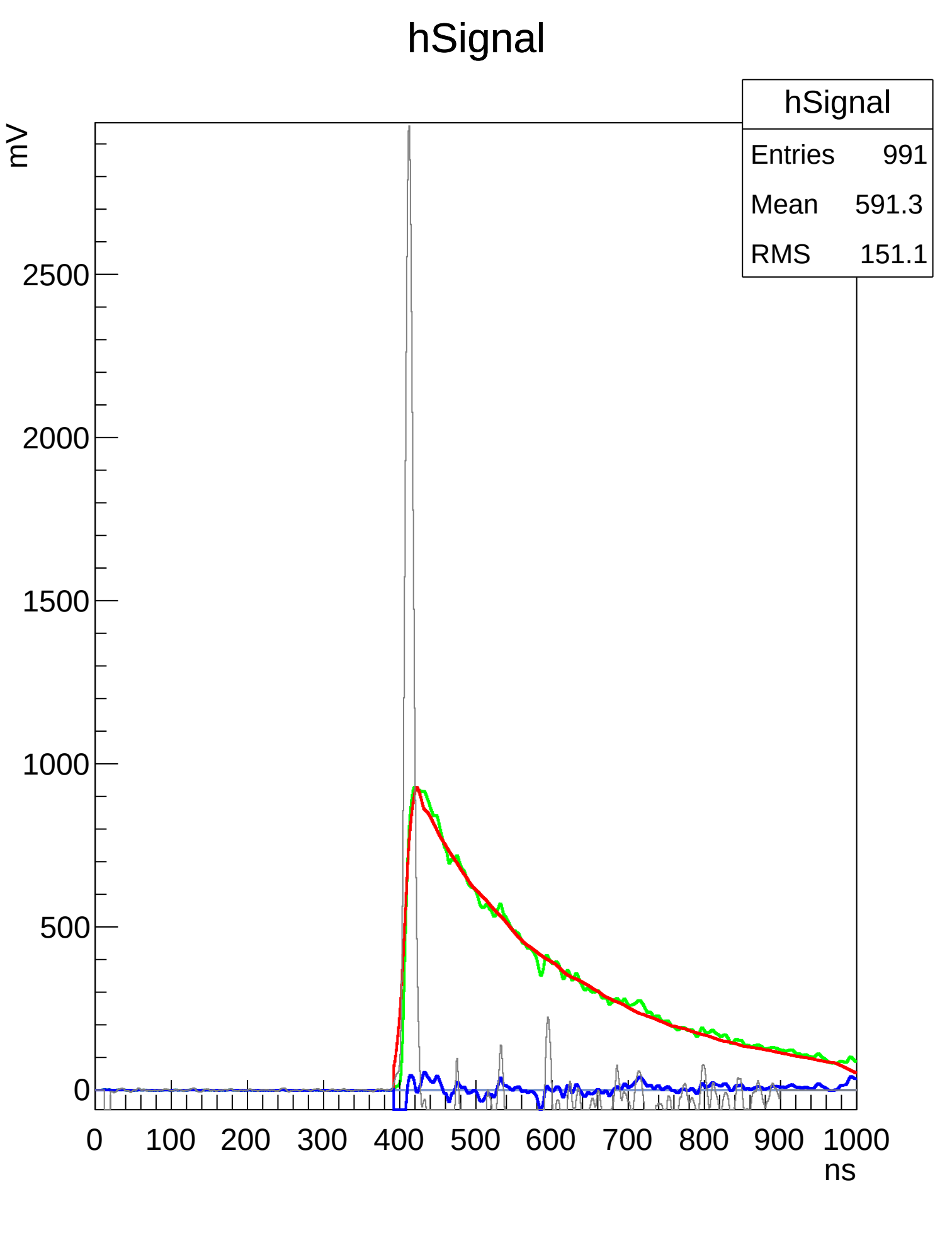
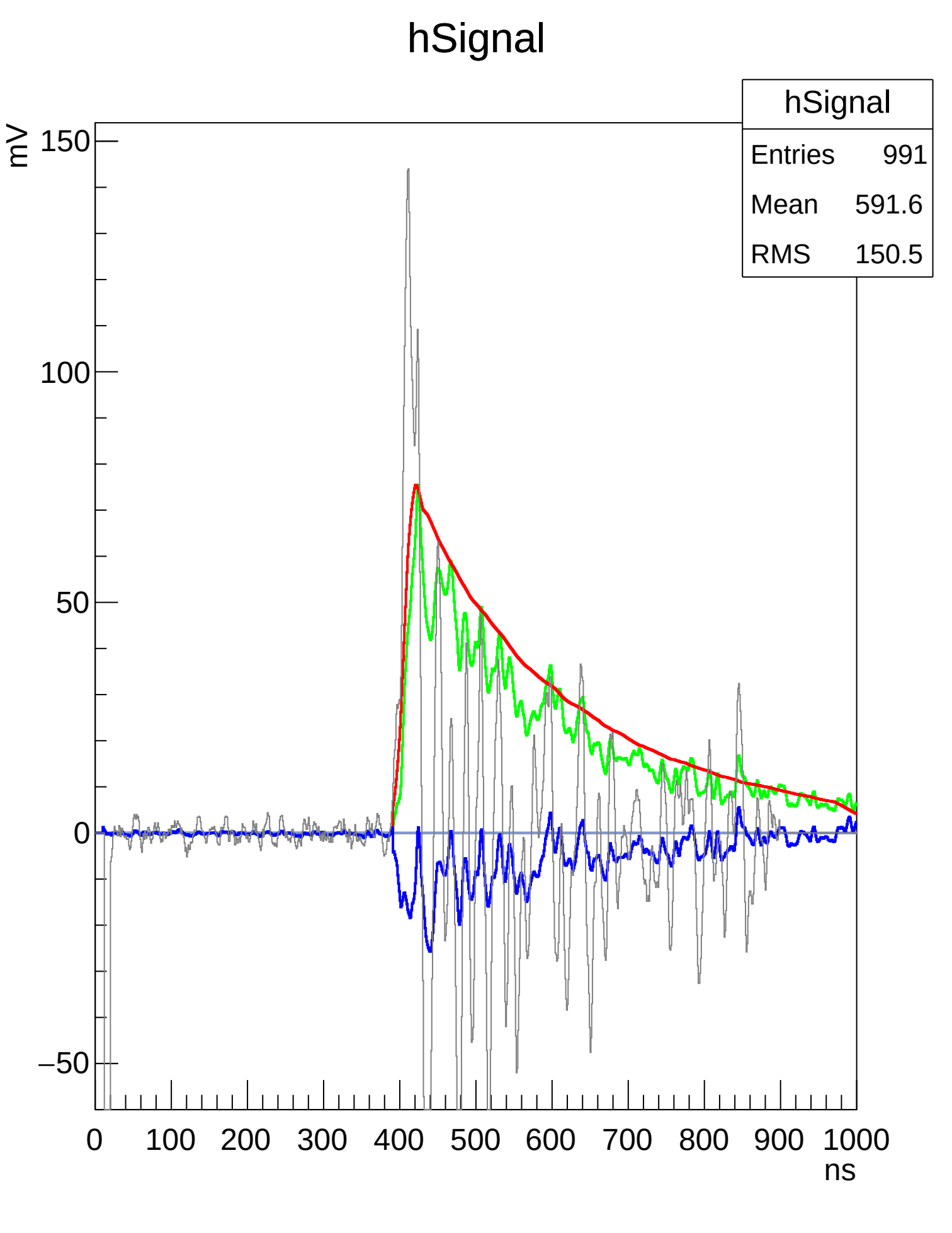
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.6
RMS 133.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.9
RMS 93.85
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 686.8
RMS 235.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.3
RMS 151.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.6
RMS 150.5
mV
150
100
50
0
−50
0
100
200
300
400
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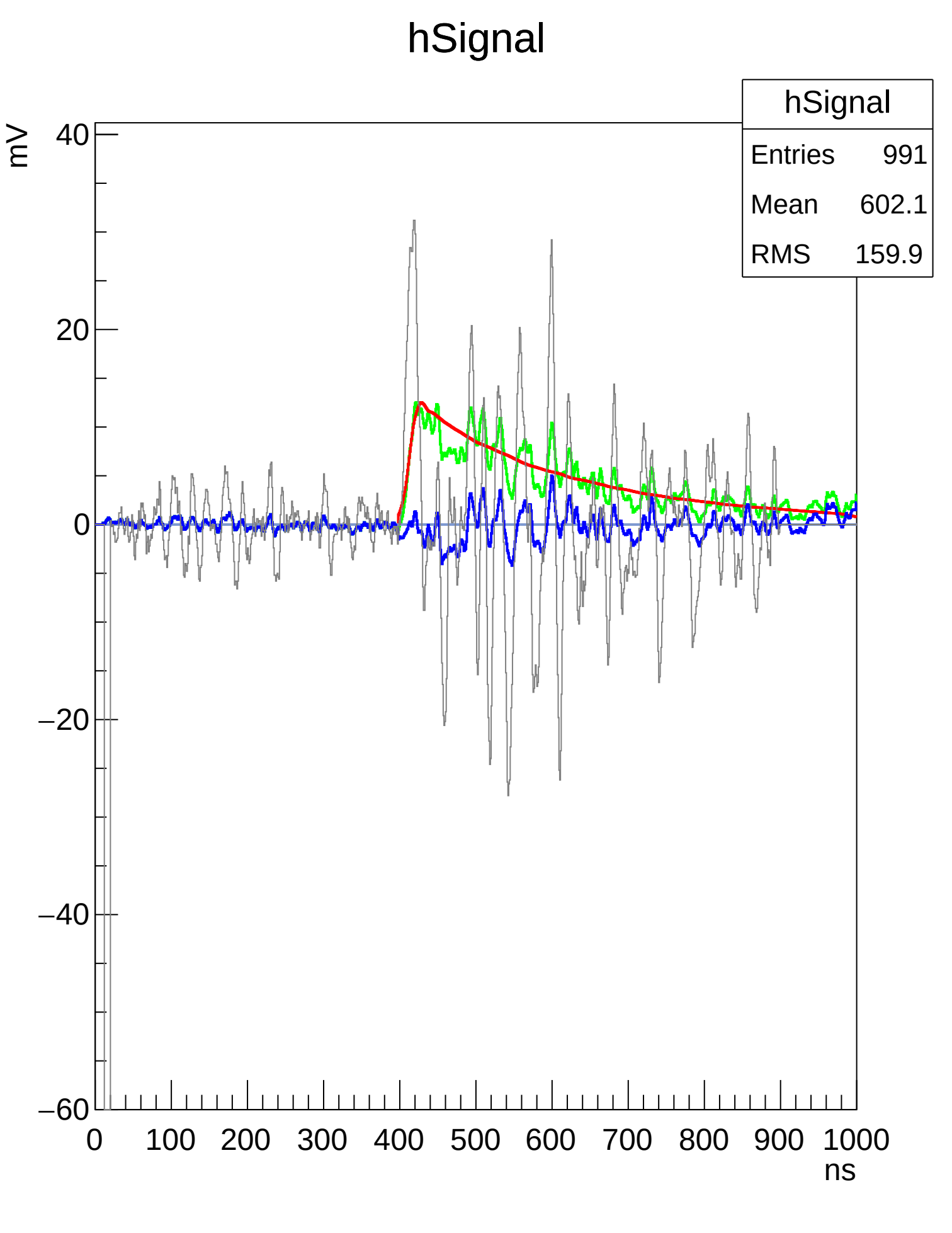
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.1
RMS 159.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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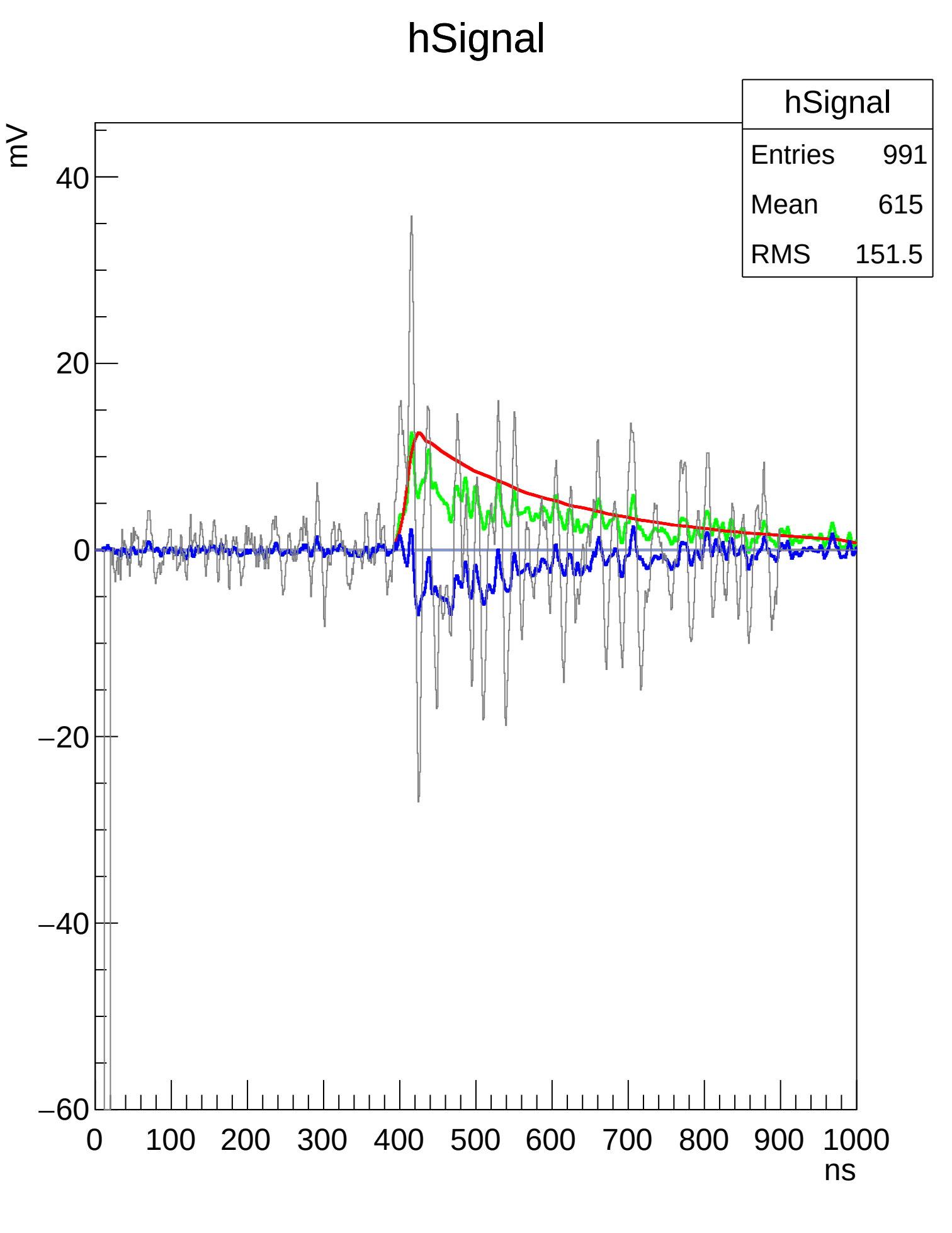
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615
RMS 151.5
mV
40
20
0
−20
−40
−60
0
100
200
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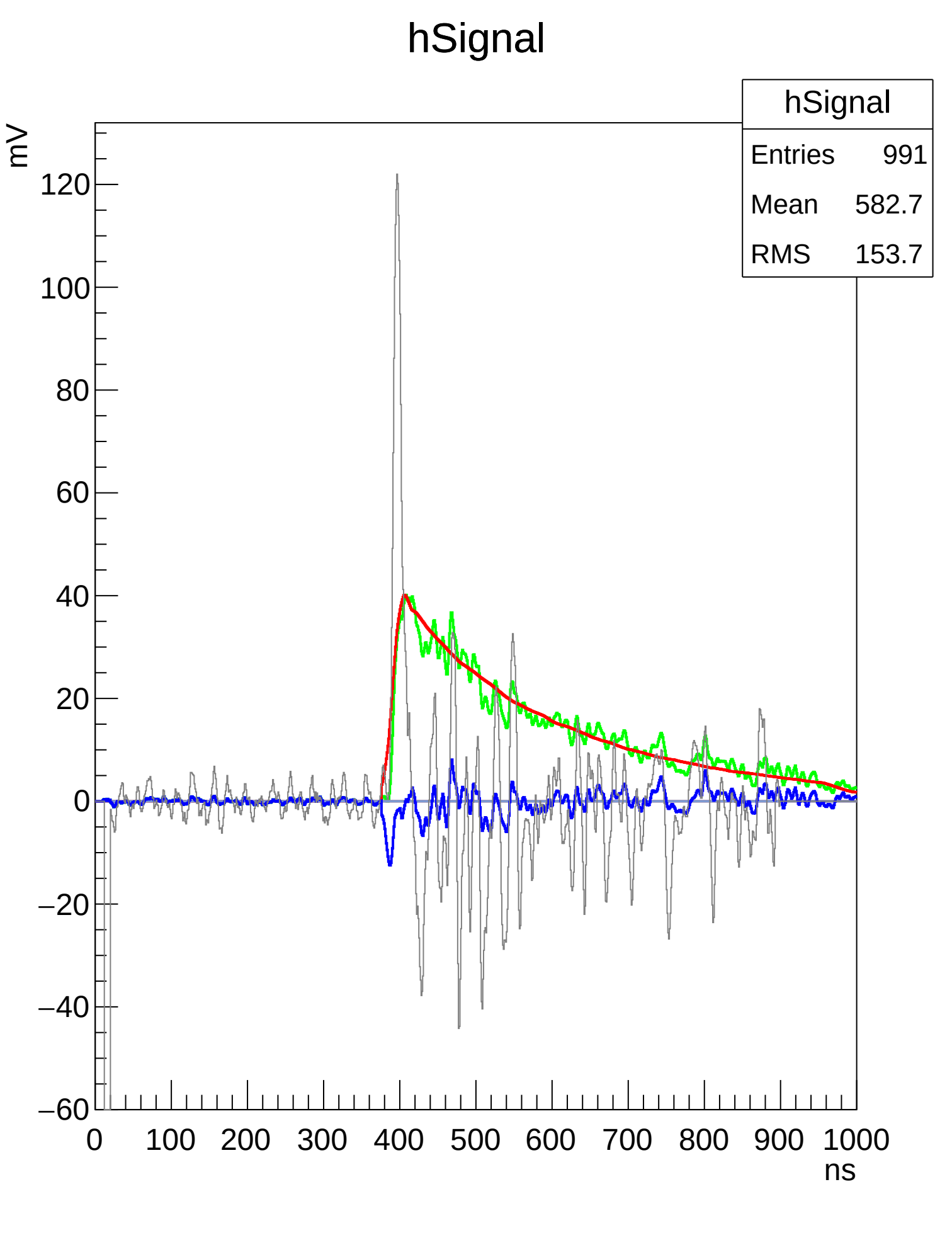
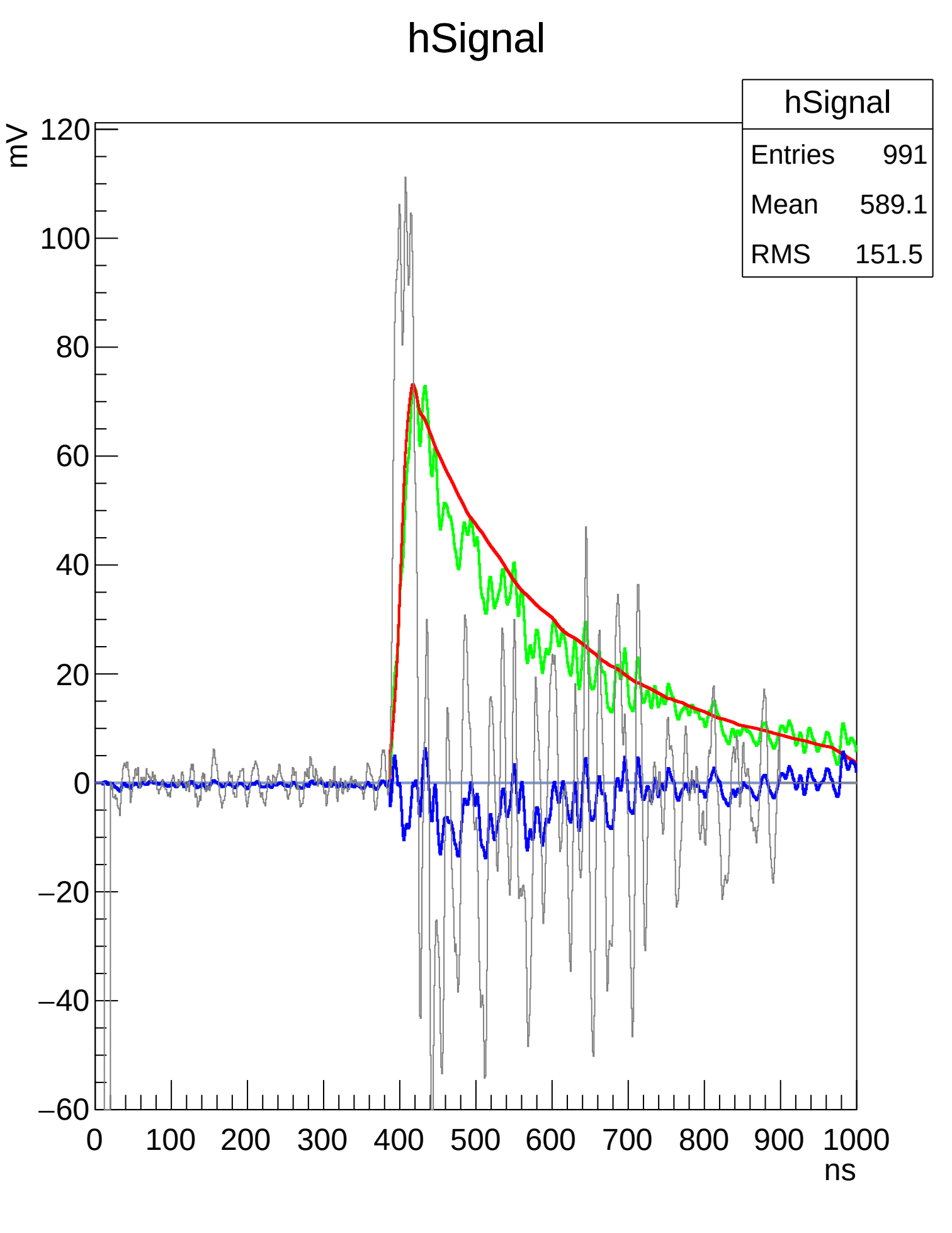
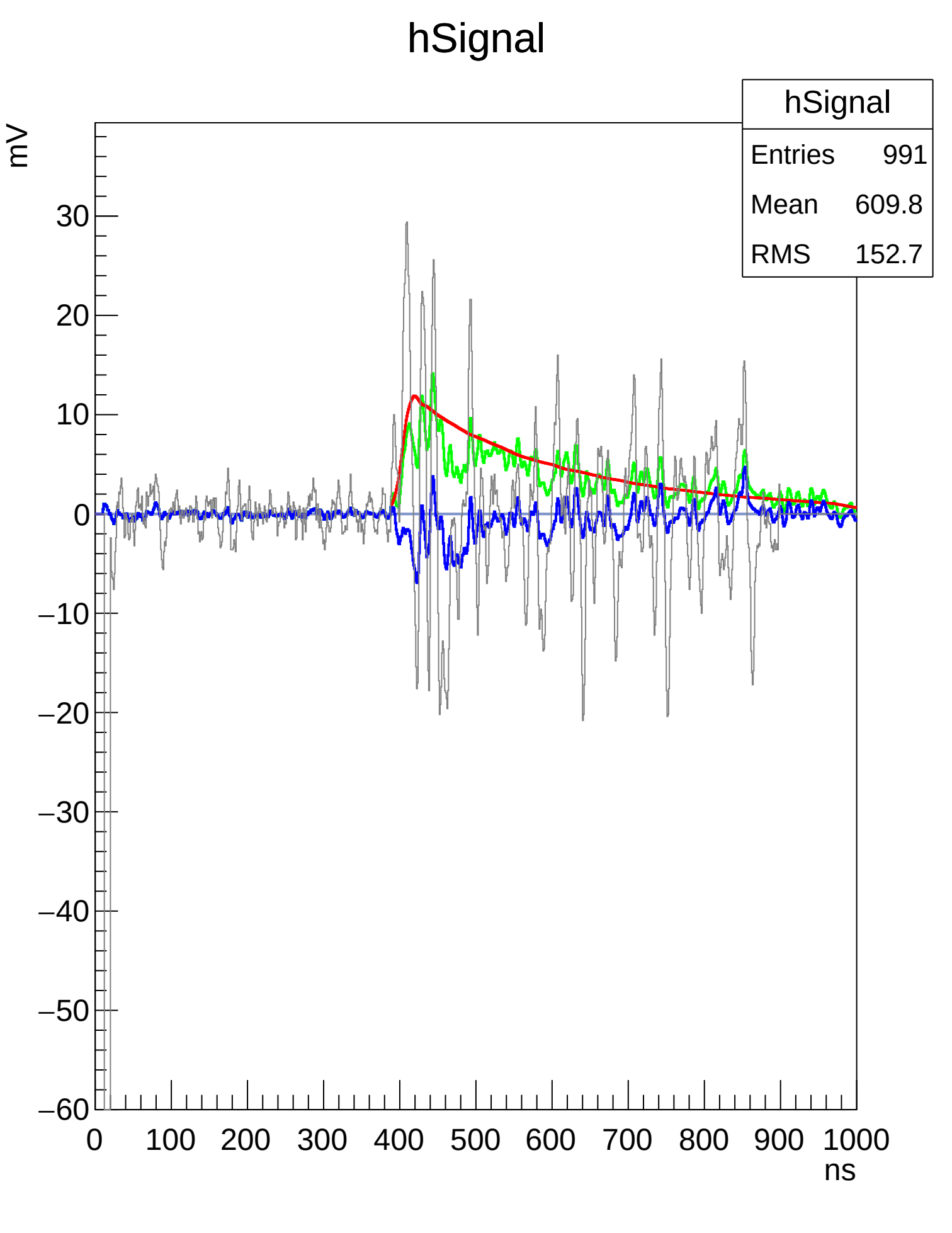
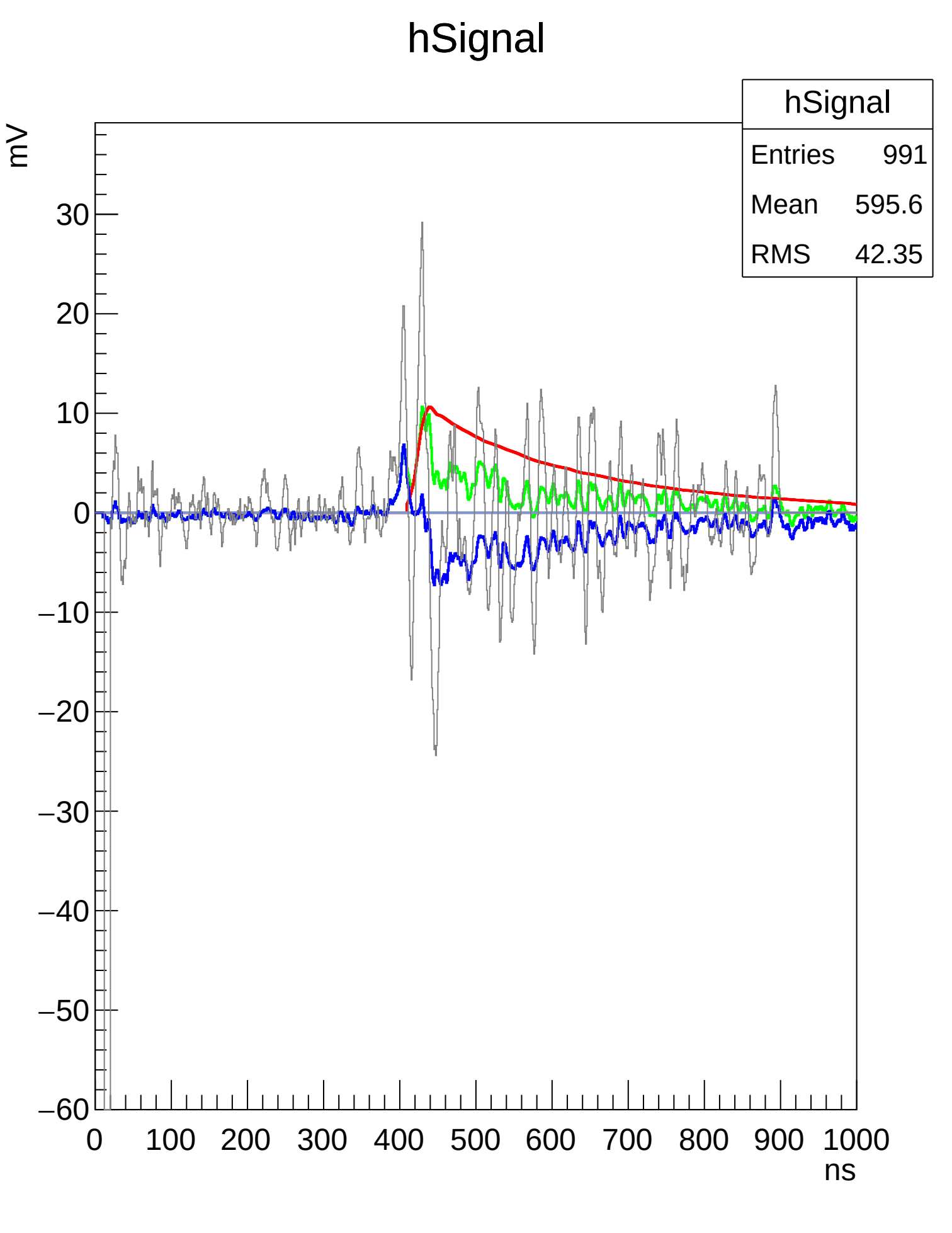
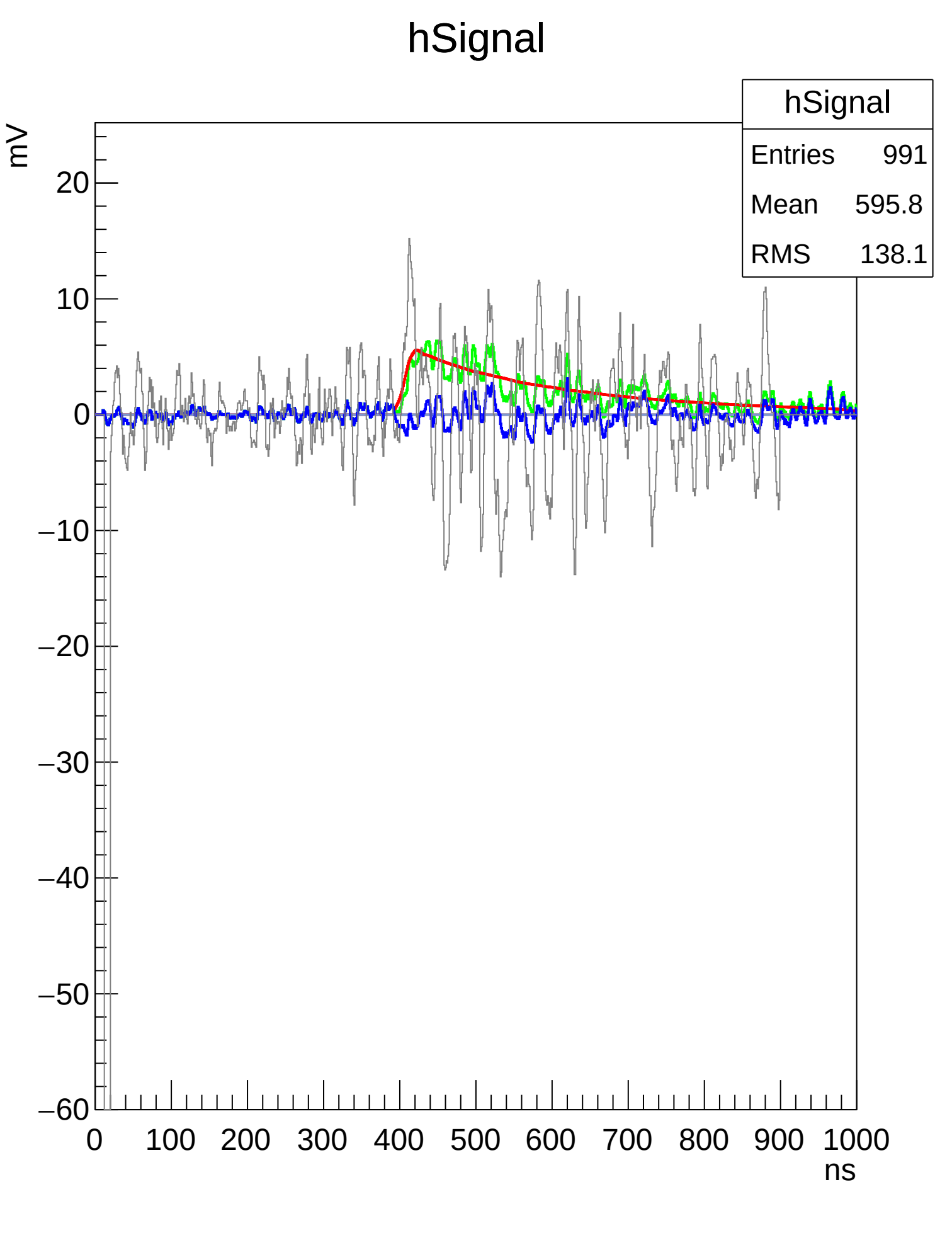
600
700
800
900
1000
ns

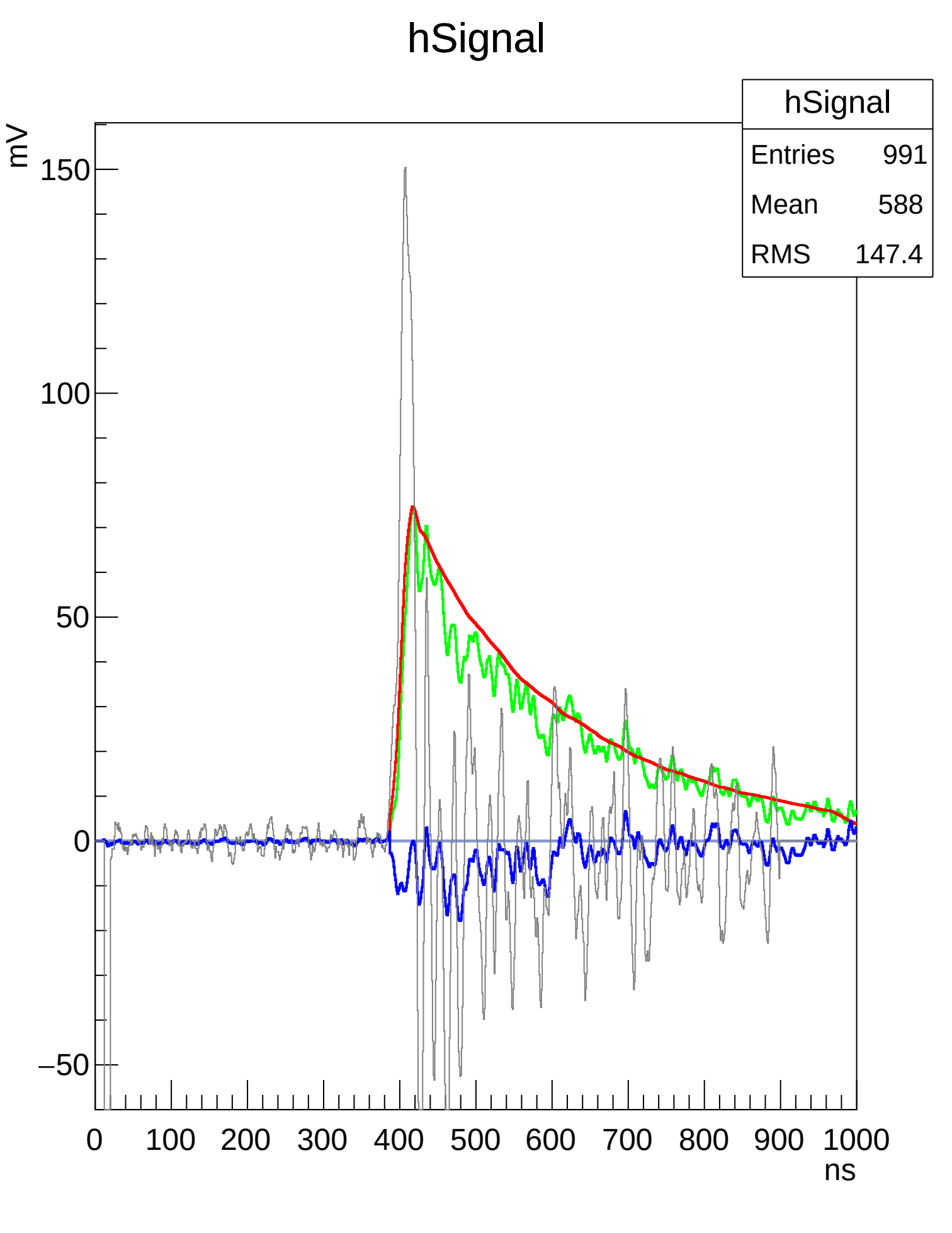

hSignal
hSignal
Entries 991
Mean 582.7
RMS 153.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

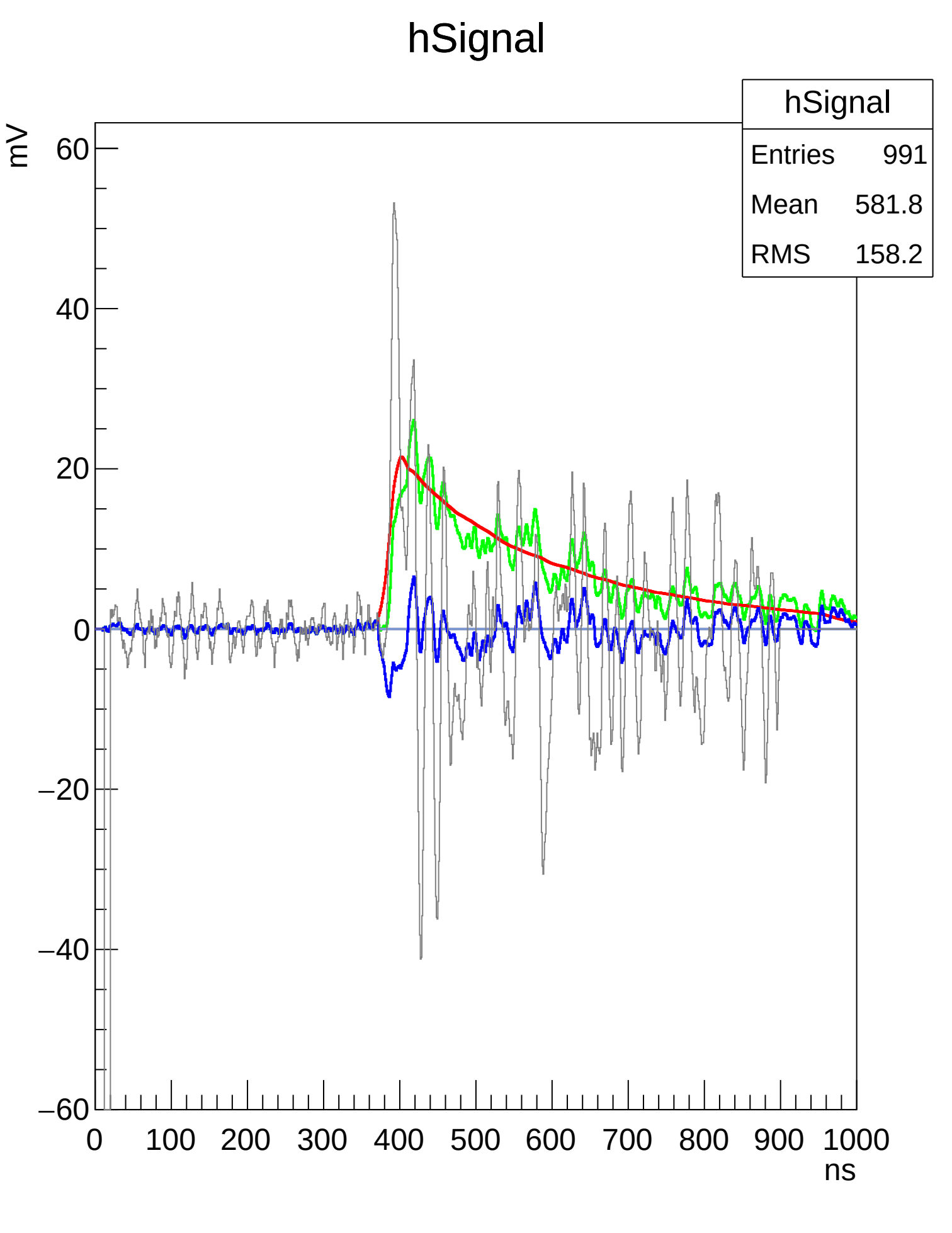

hSignal
hSignal
Entries 991
Mean 589.1
RMS 151.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

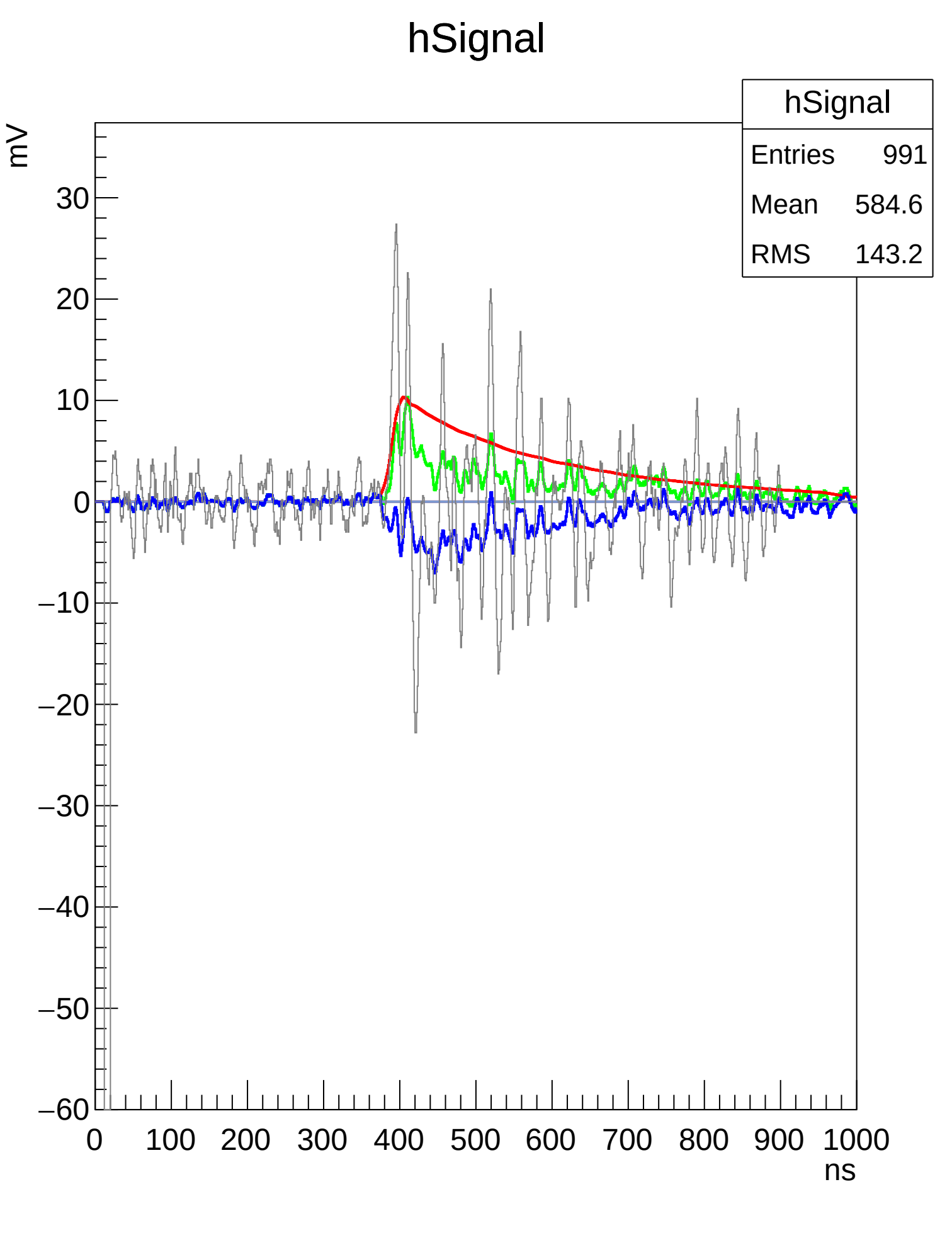

hSignal
hSignal
Entries 991
Mean 609.8
RMS 152.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

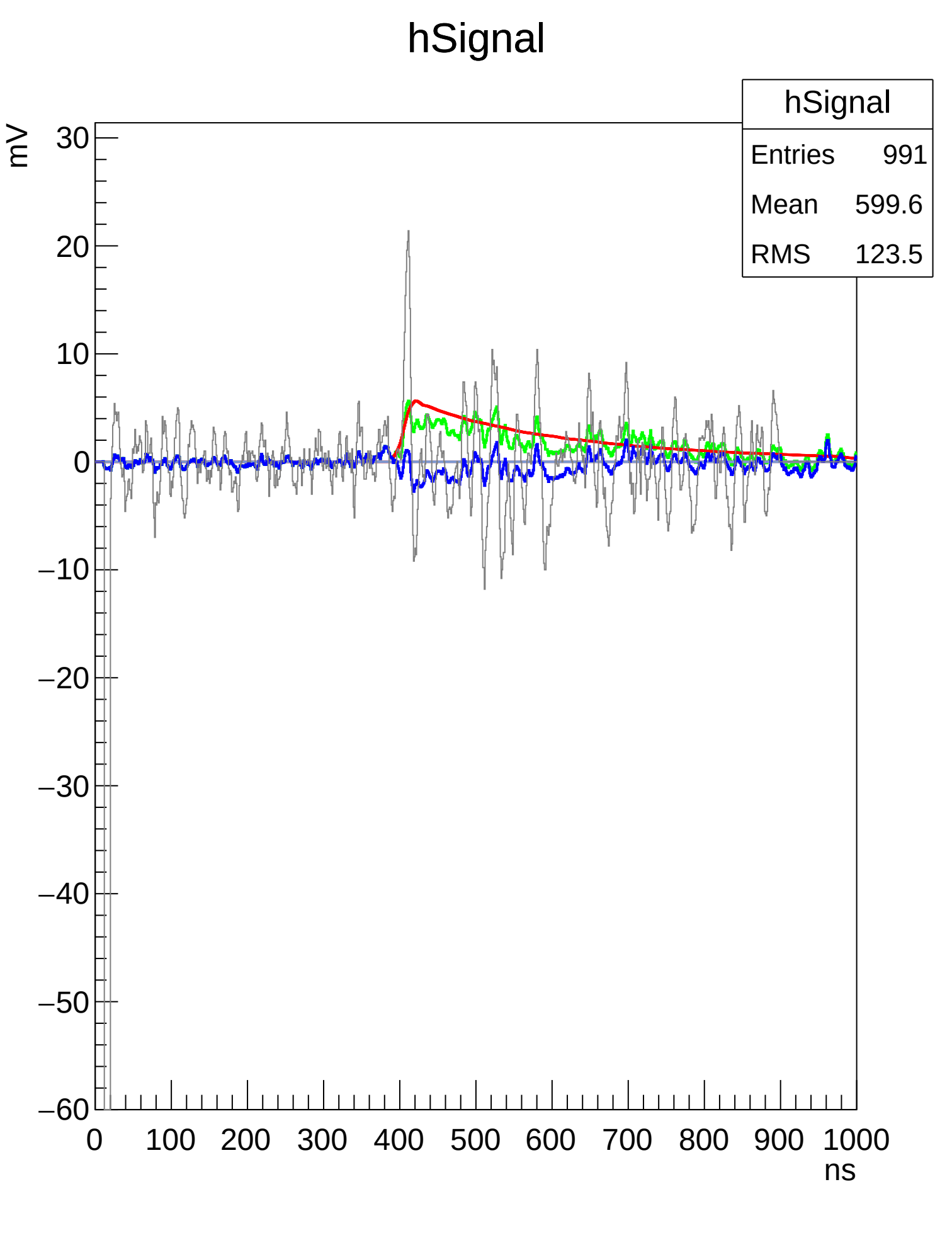

hSignal
hSignal
Entries 991
Mean 595.6
RMS 42.35
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

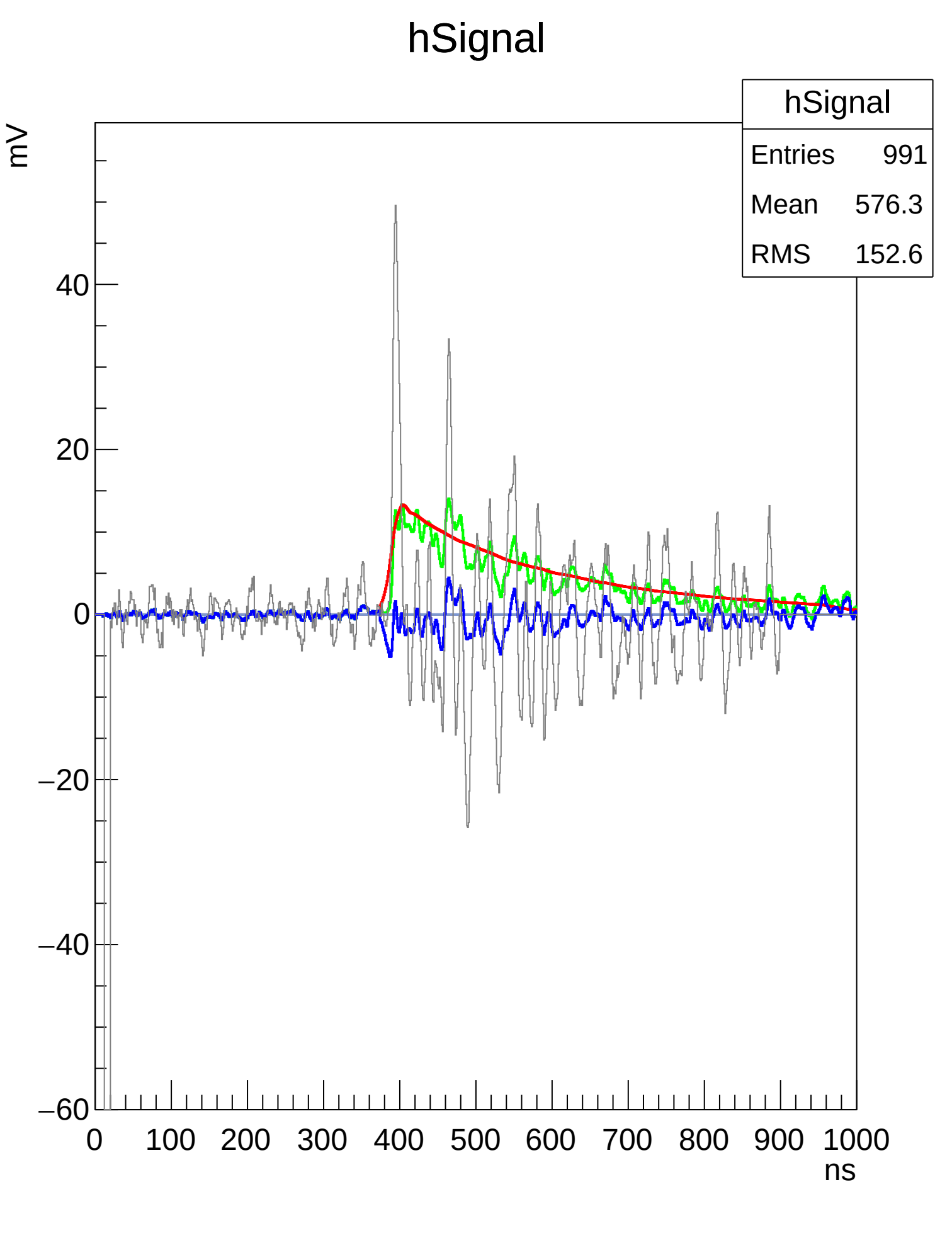

hSignal
hSignal
Entries 991
Mean 595.8
RMS 138.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 147.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.8
RMS 158.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.6
RMS 143.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.6
RMS 123.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.3
RMS 152.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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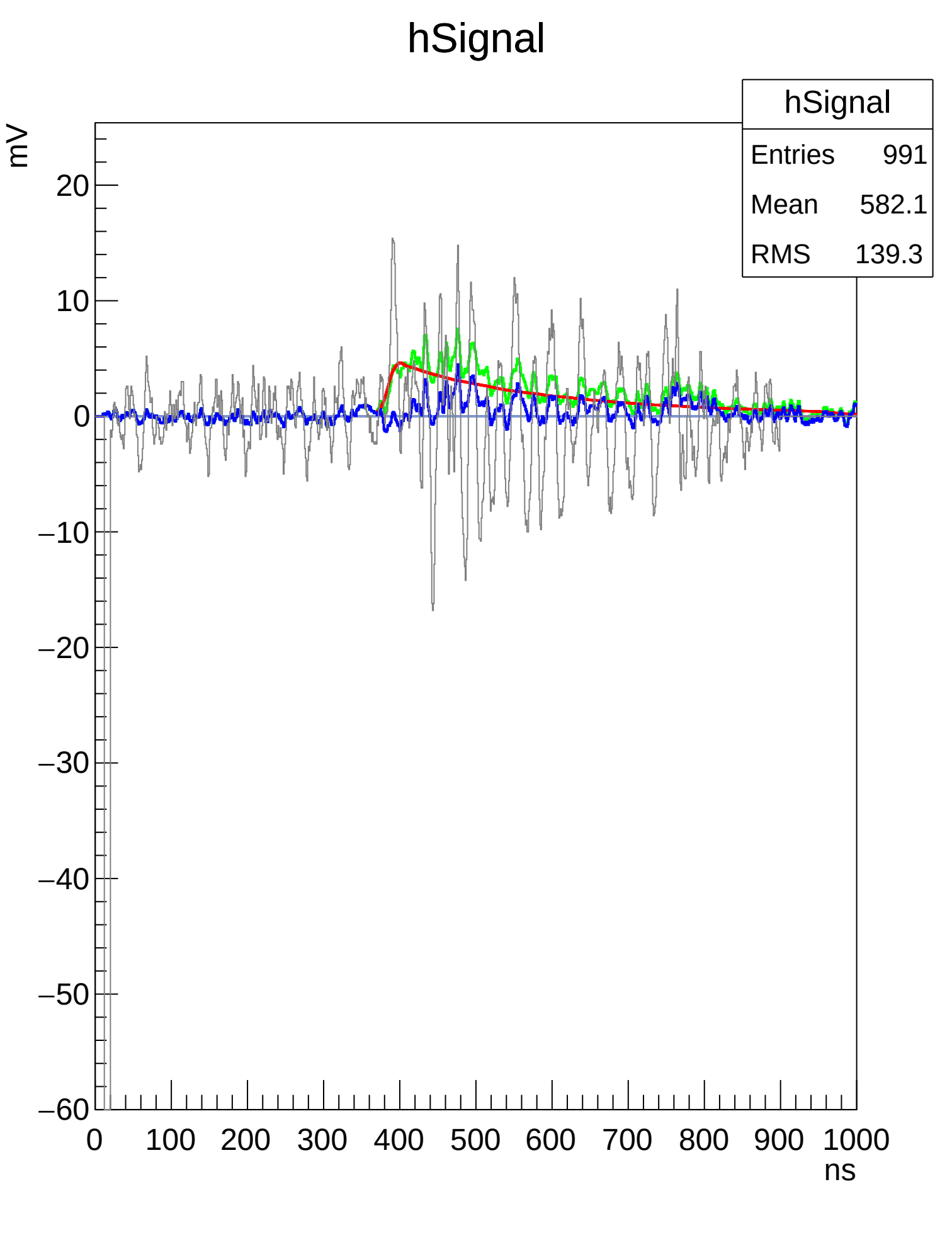
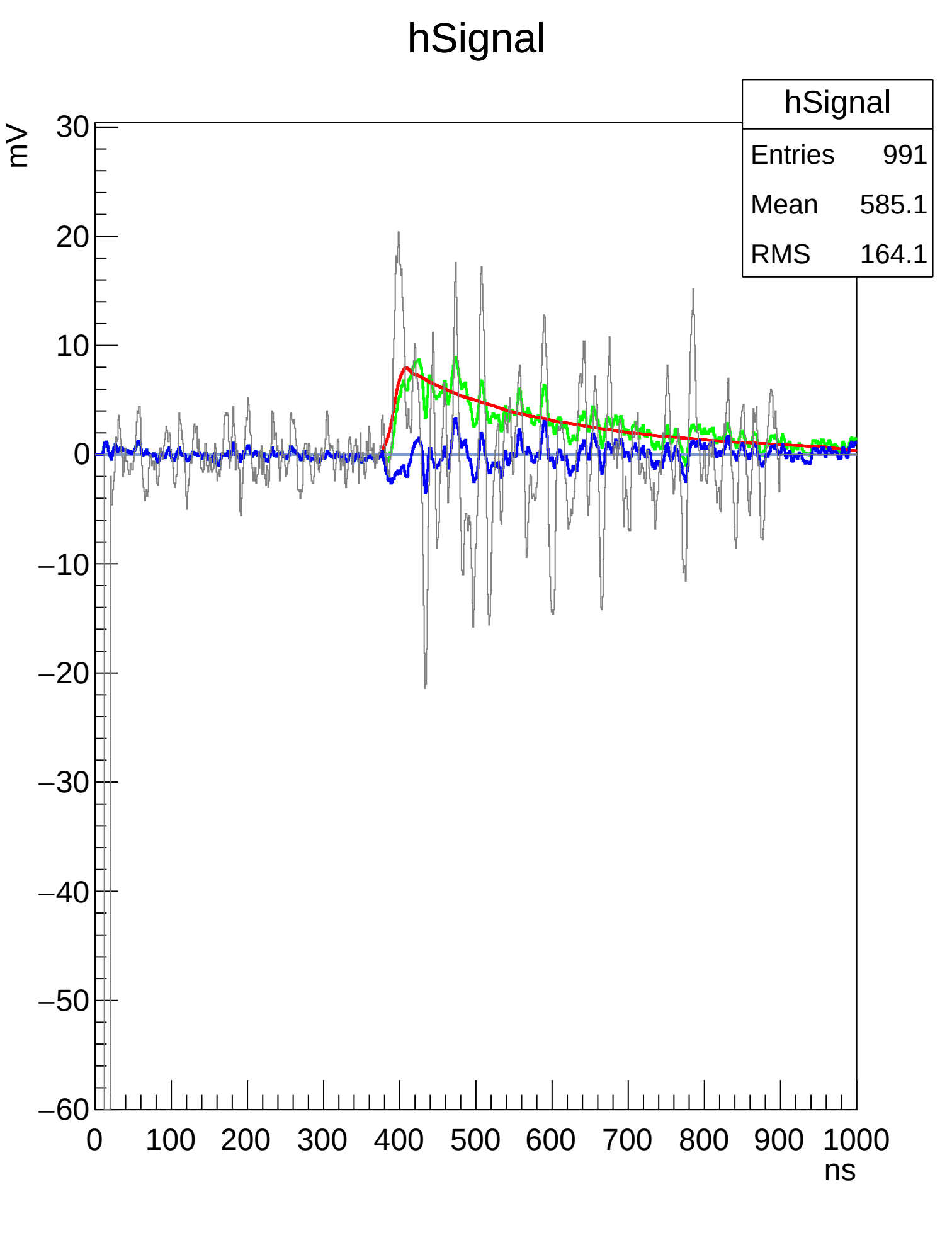
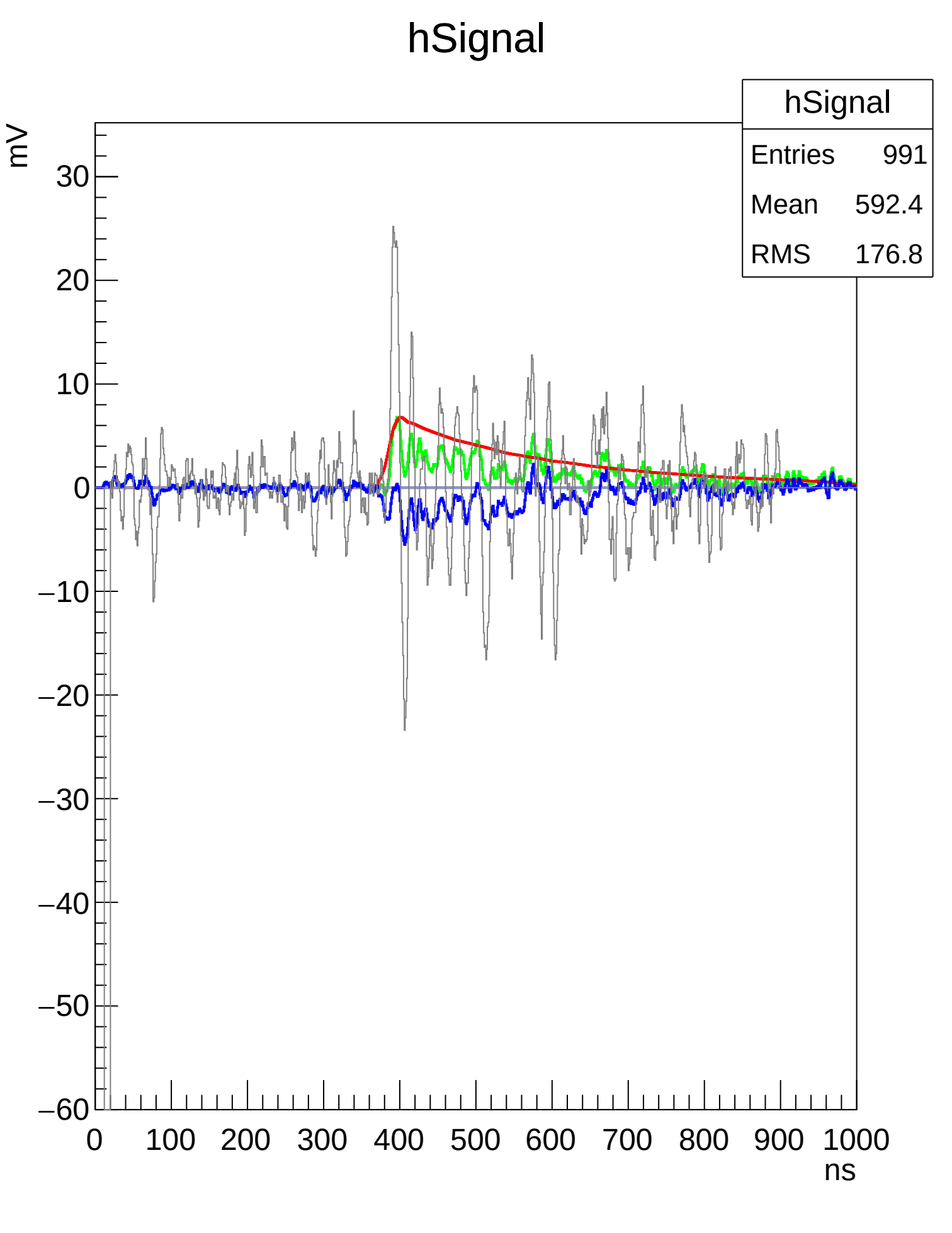
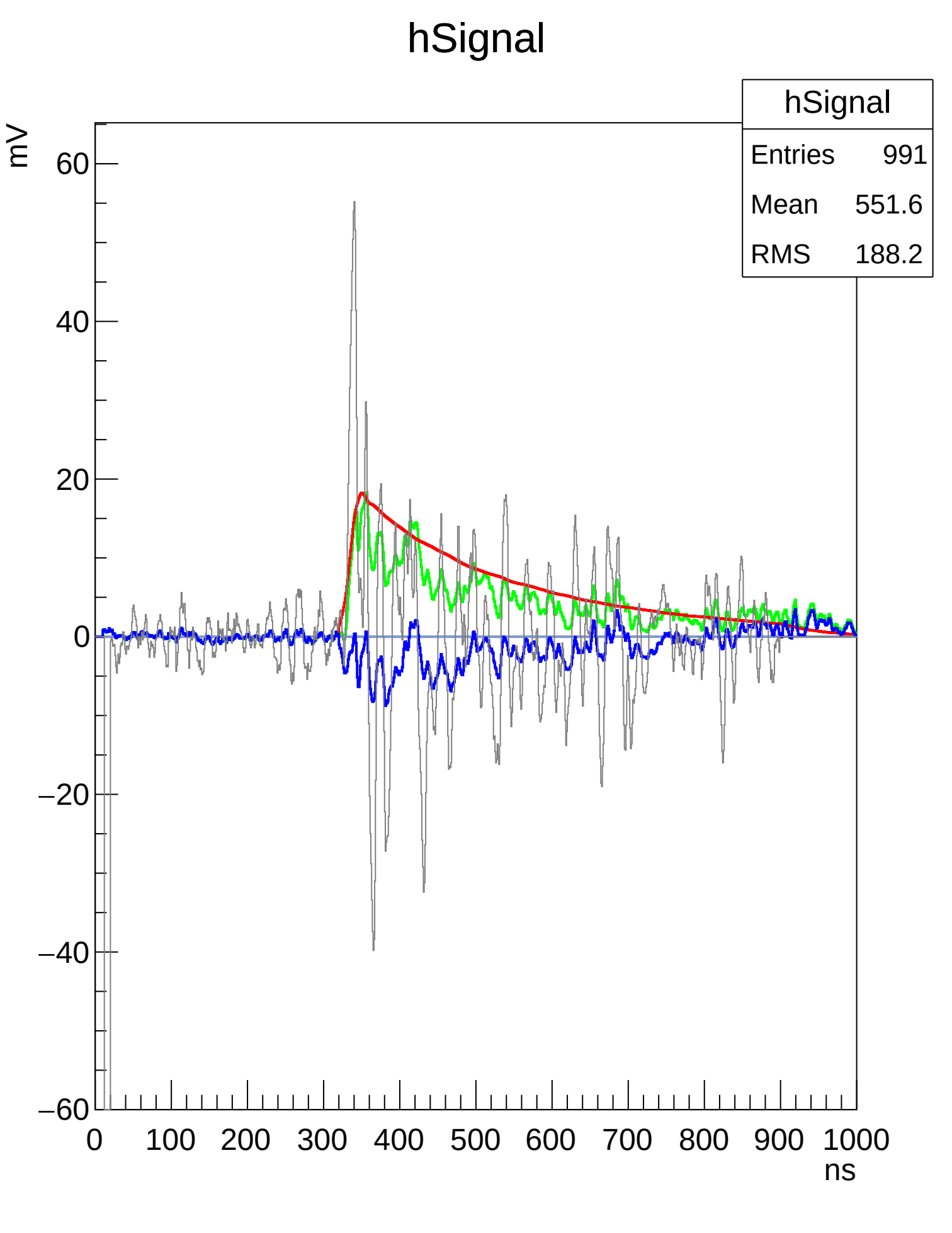
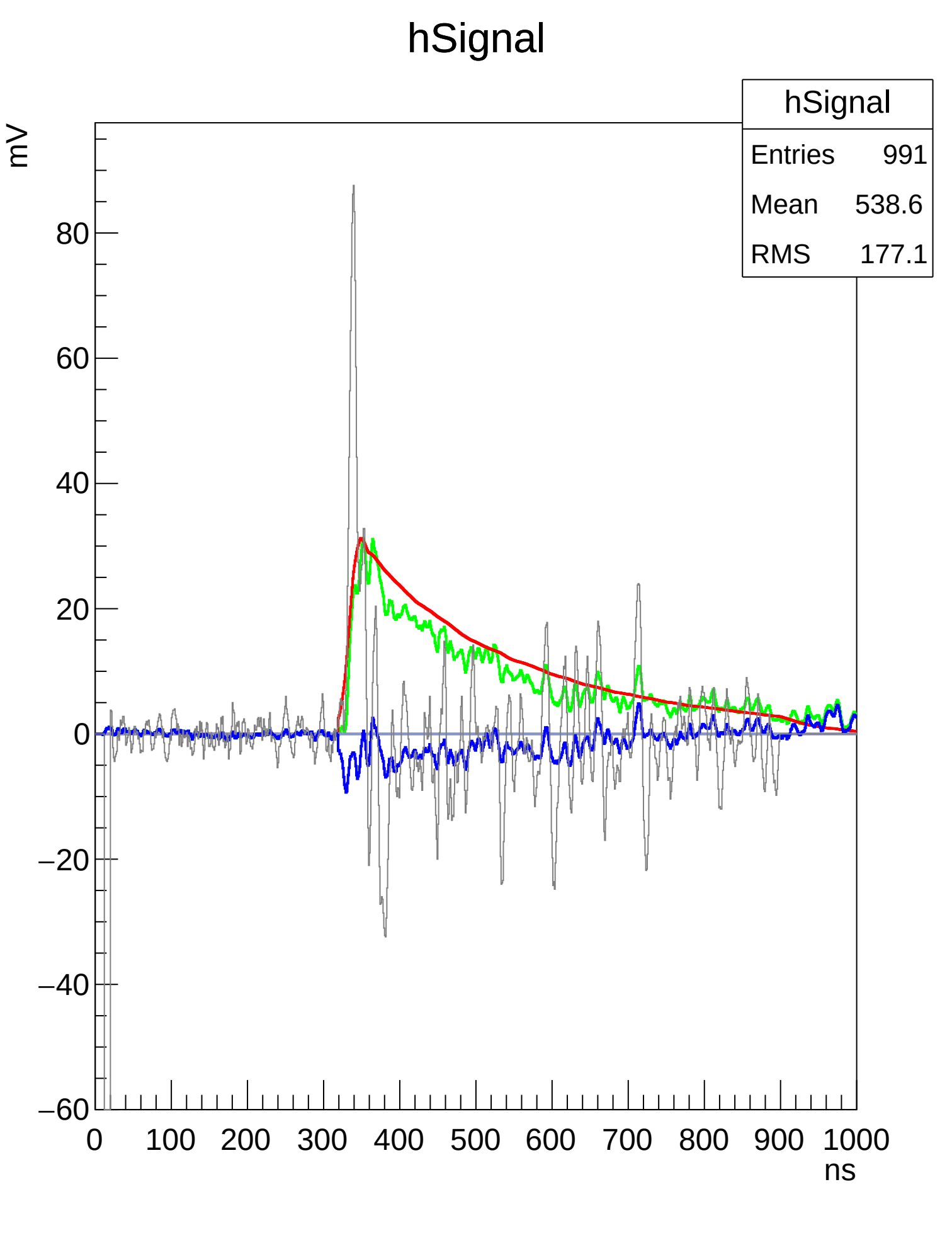
600
700
800
900
1000
ns

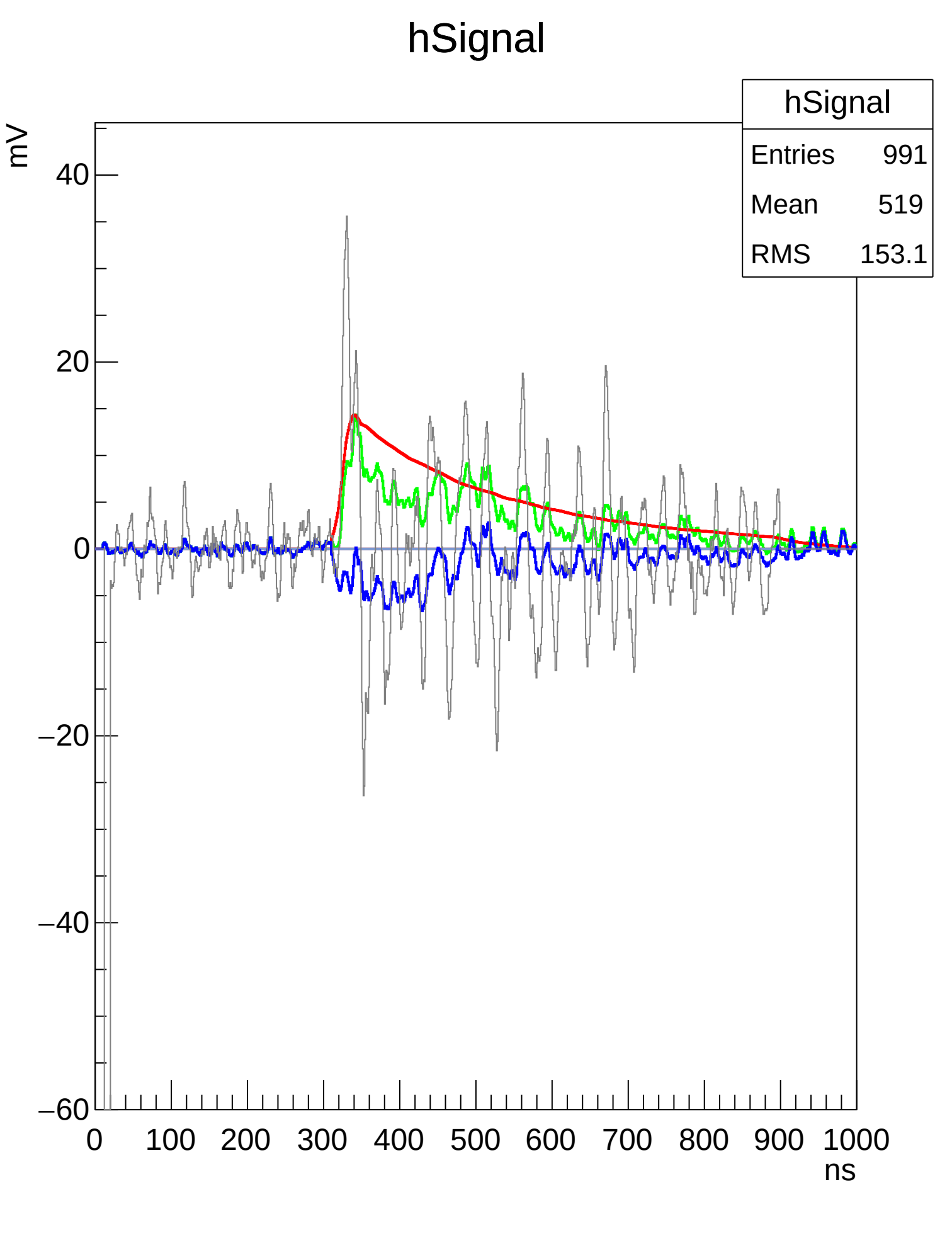

hSignal
hSignal
Entries 991
Mean 582.1
RMS 139.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

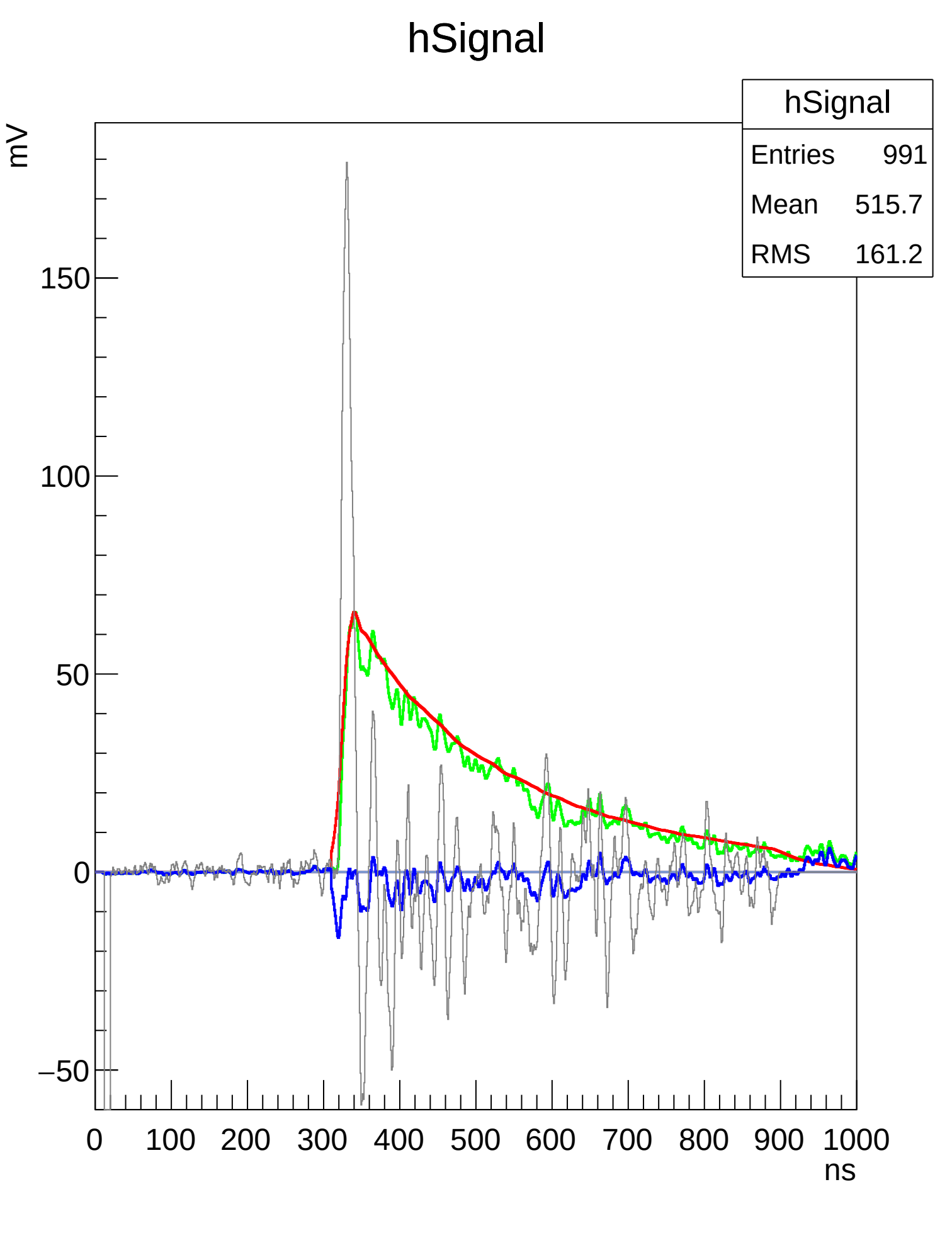

hSignal
hSignal
Entries 991
Mean 585.1
RMS 164.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.4
RMS 176.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.6
RMS 188.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.6
RMS 177.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519
RMS 153.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.7
RMS 161.2
mV
150
100
50
0
−50
0
100
200
300
400
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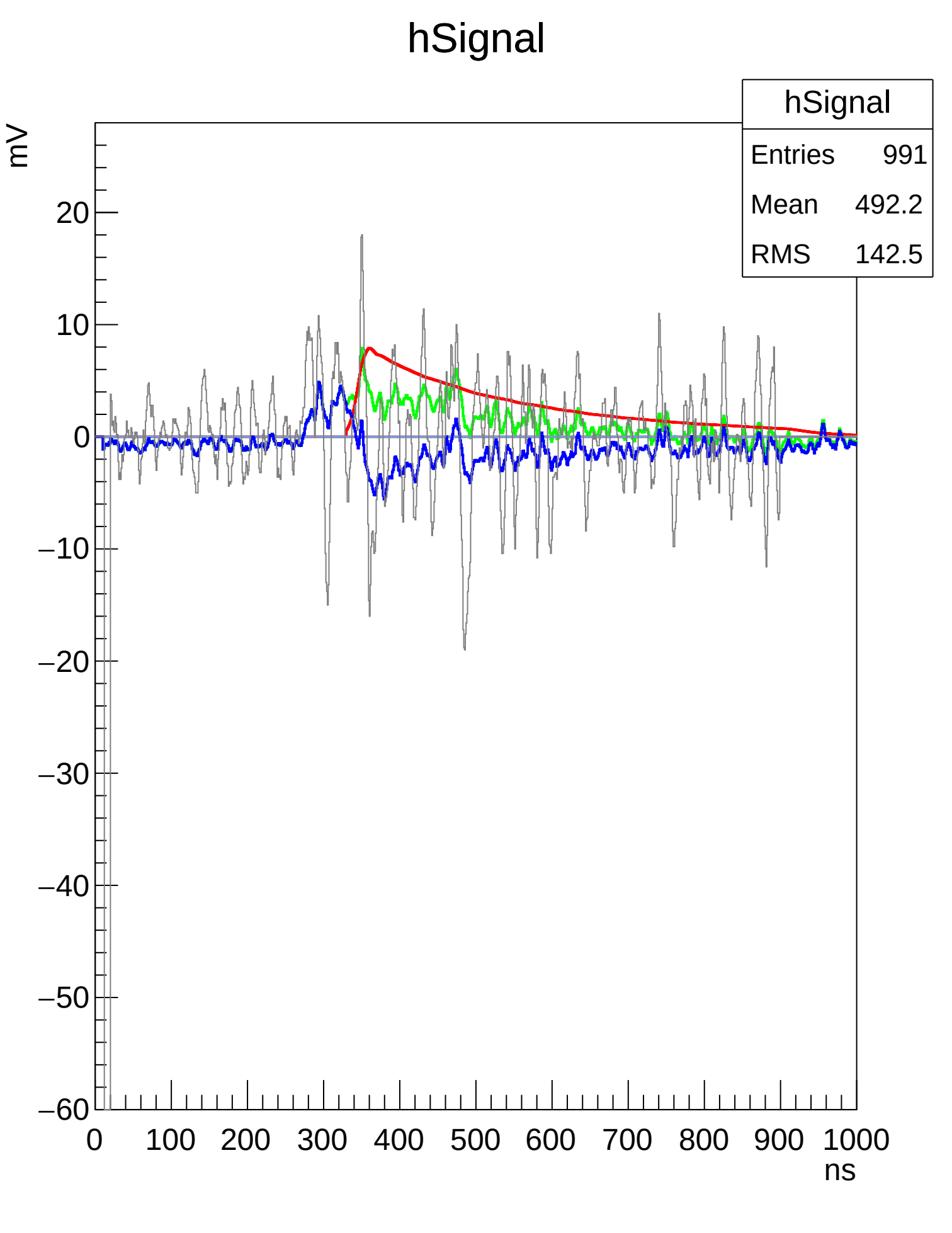
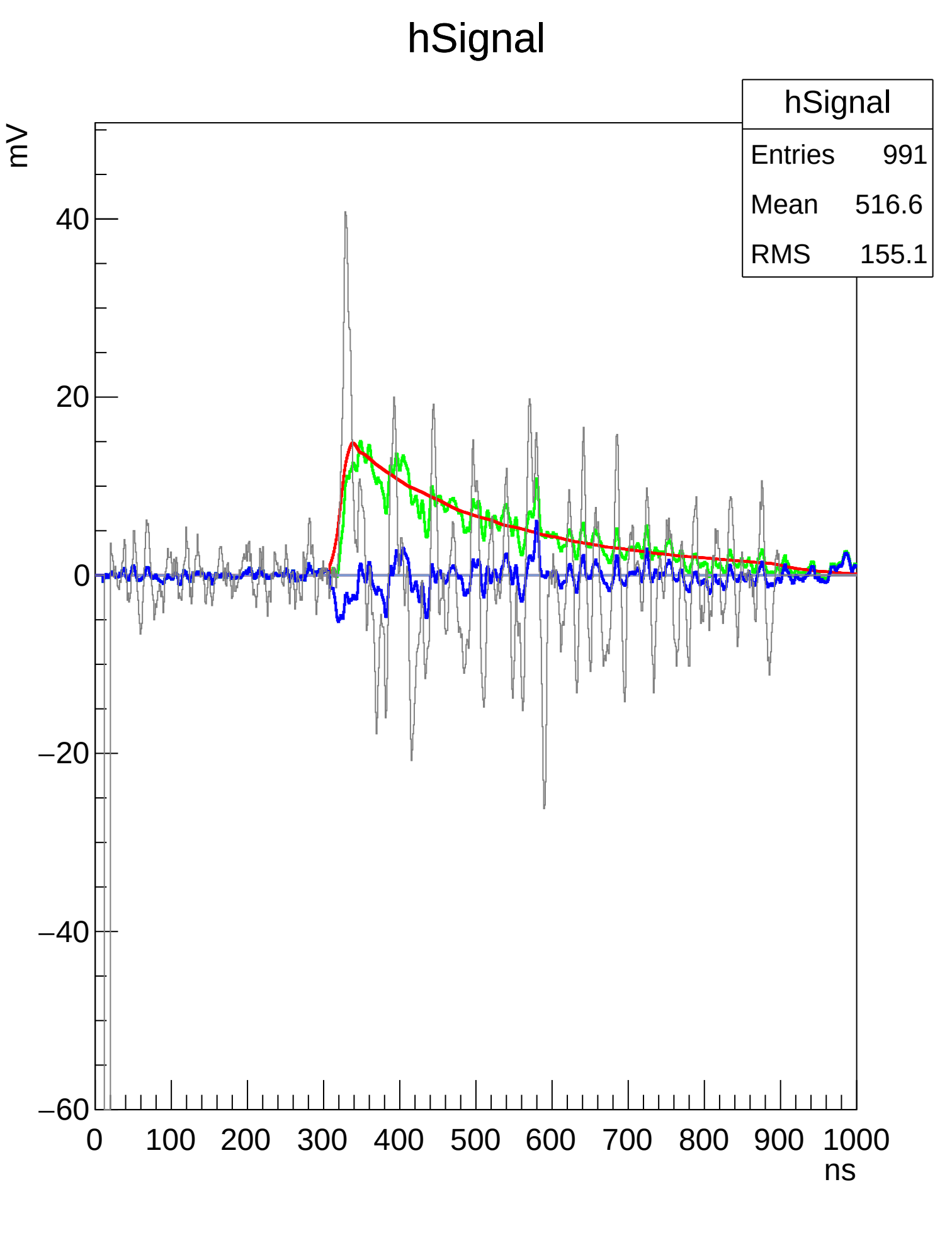
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.2
RMS 142.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.6
RMS 155.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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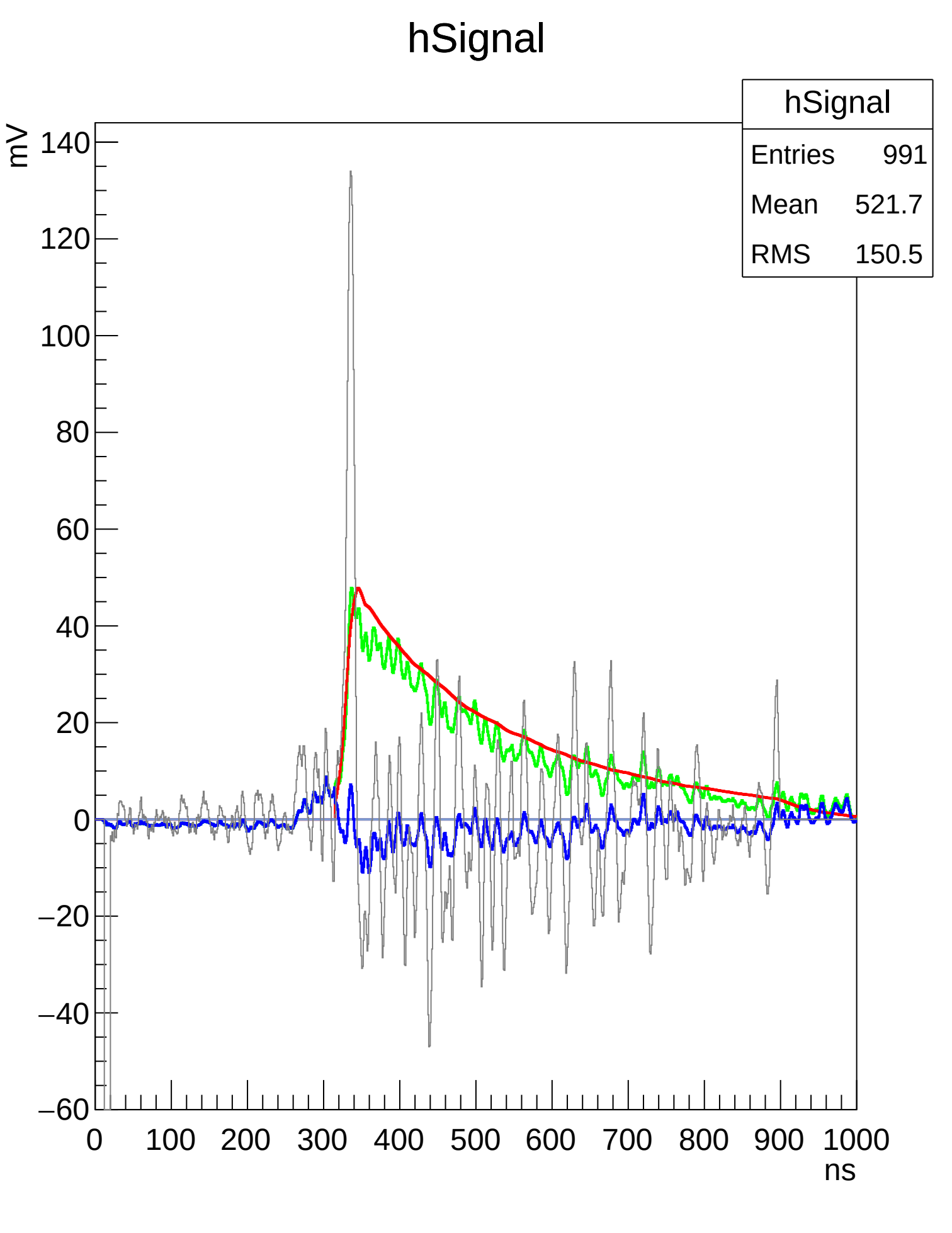
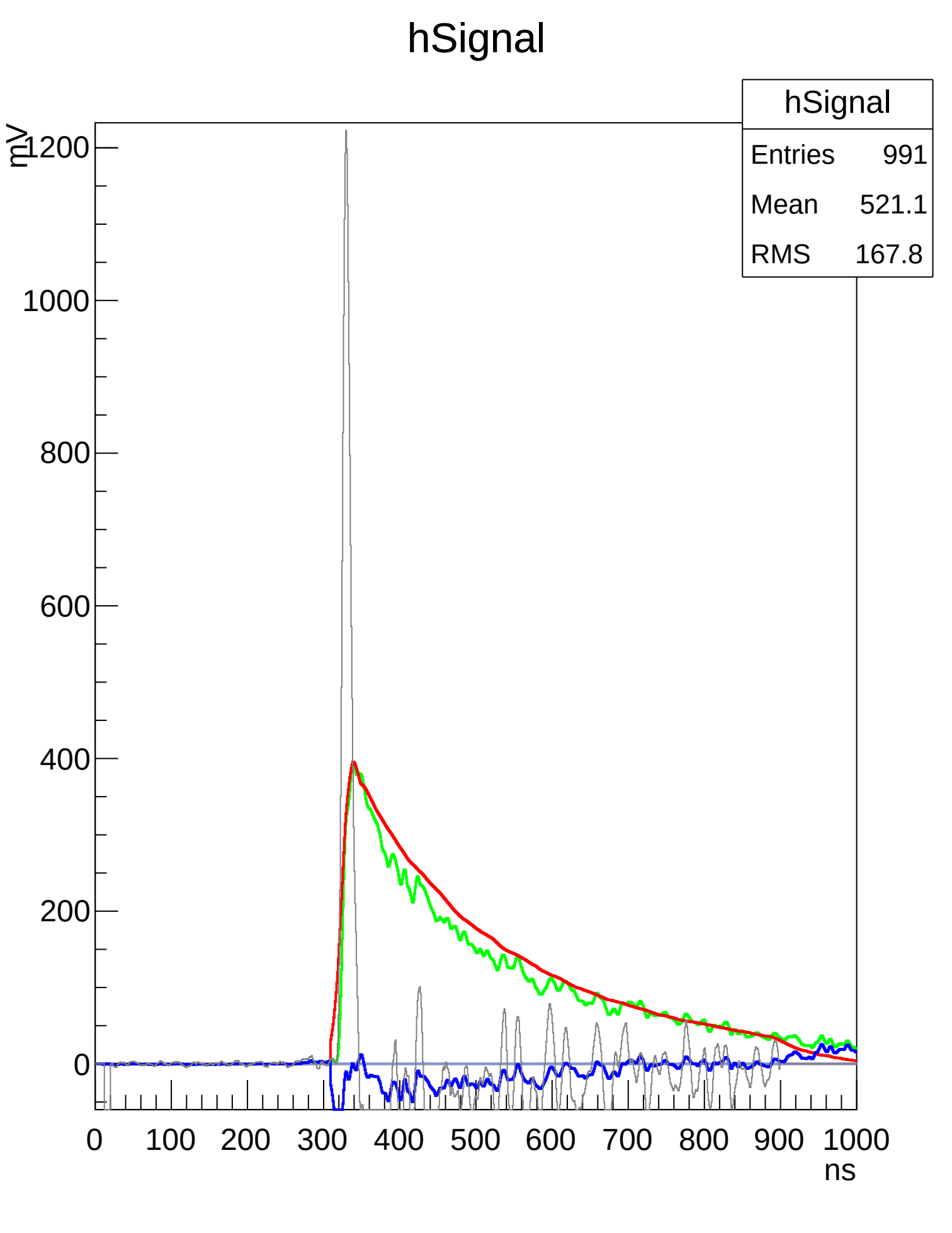
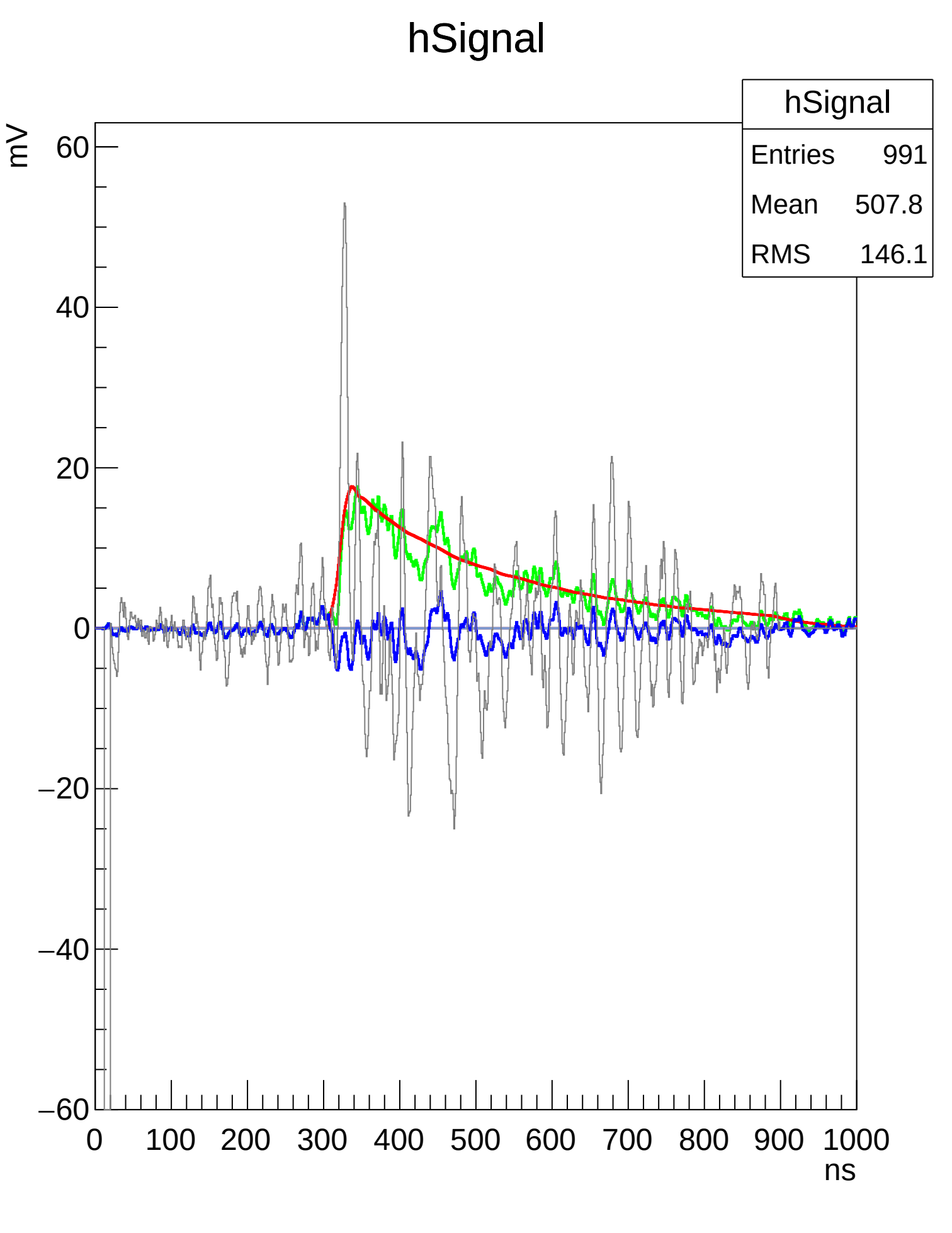
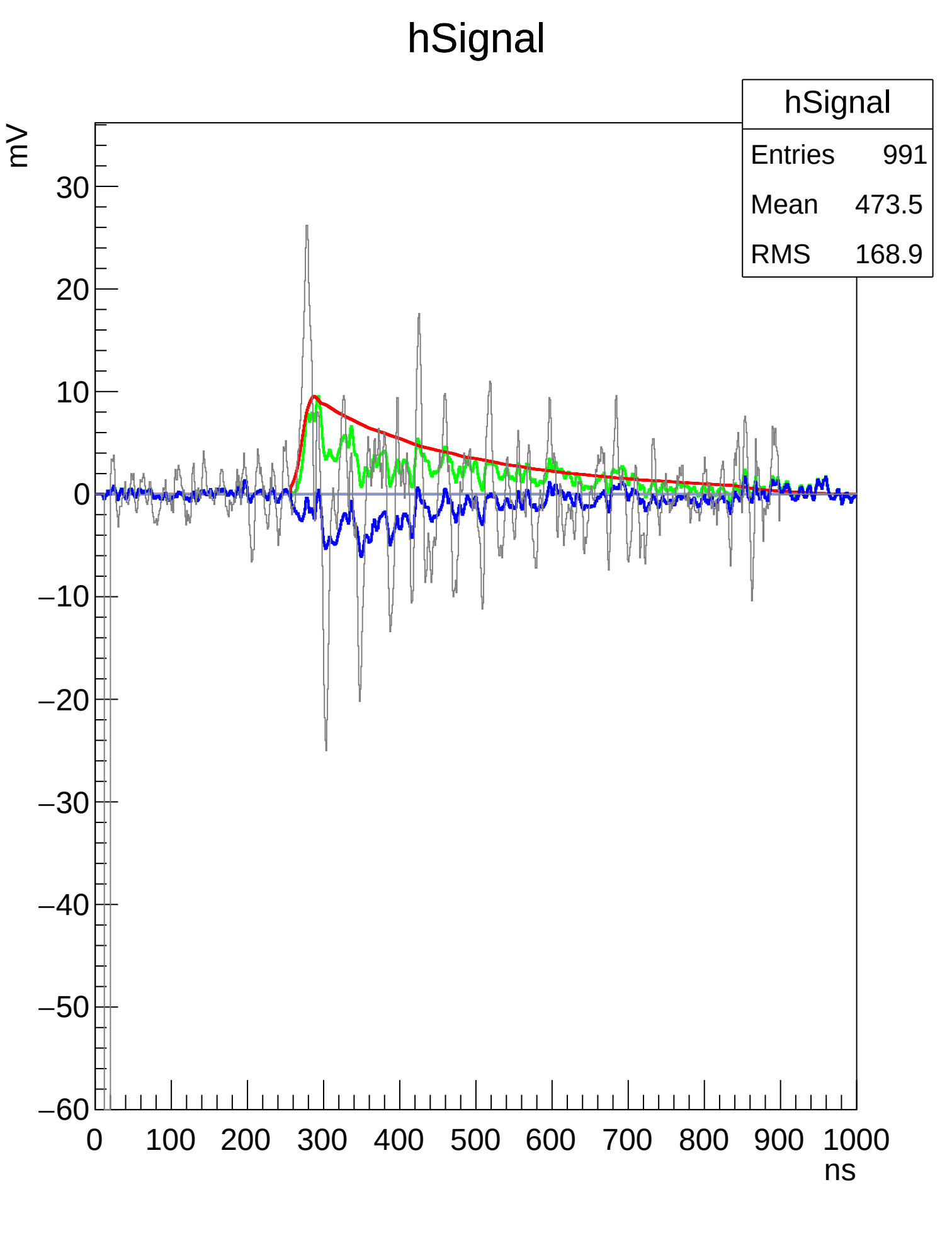
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.7
RMS 150.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.1
RMS 167.8
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.8
RMS 146.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 473.5
RMS 168.9
mV
30
20
10
0
−10
−20
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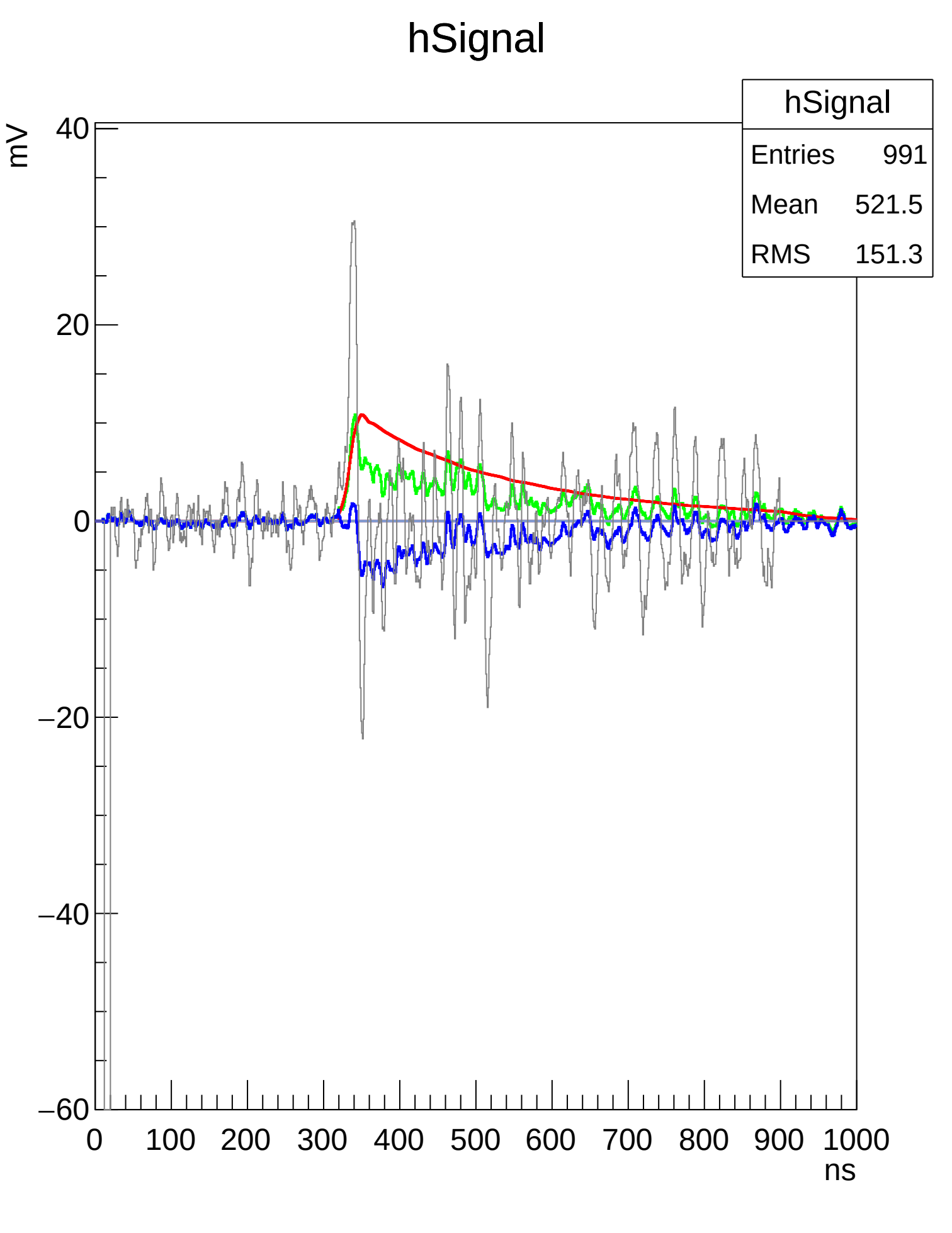
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.5
RMS 151.3
mV
40
20
0
−20
−40
−60
0
100
200
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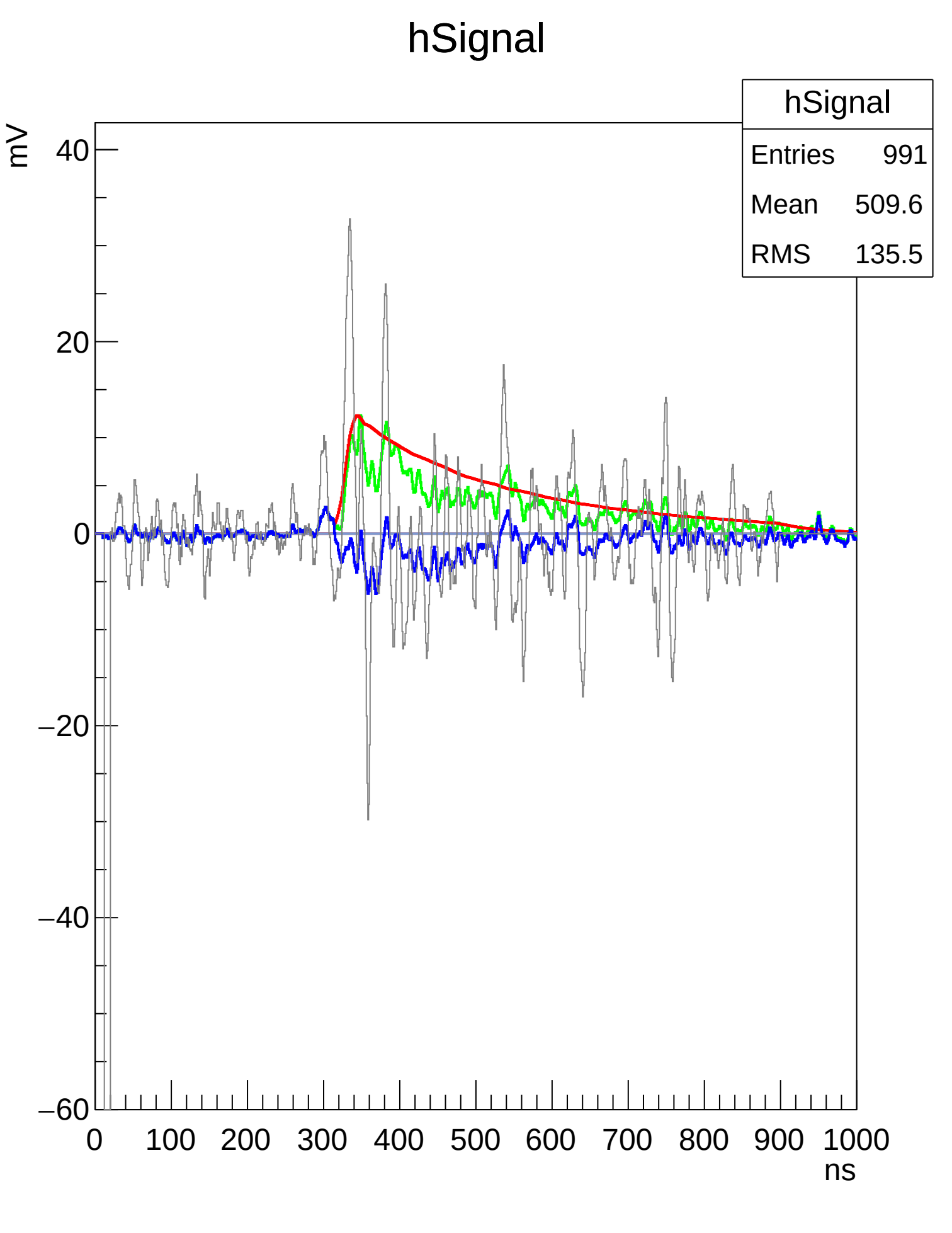
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.6
RMS 135.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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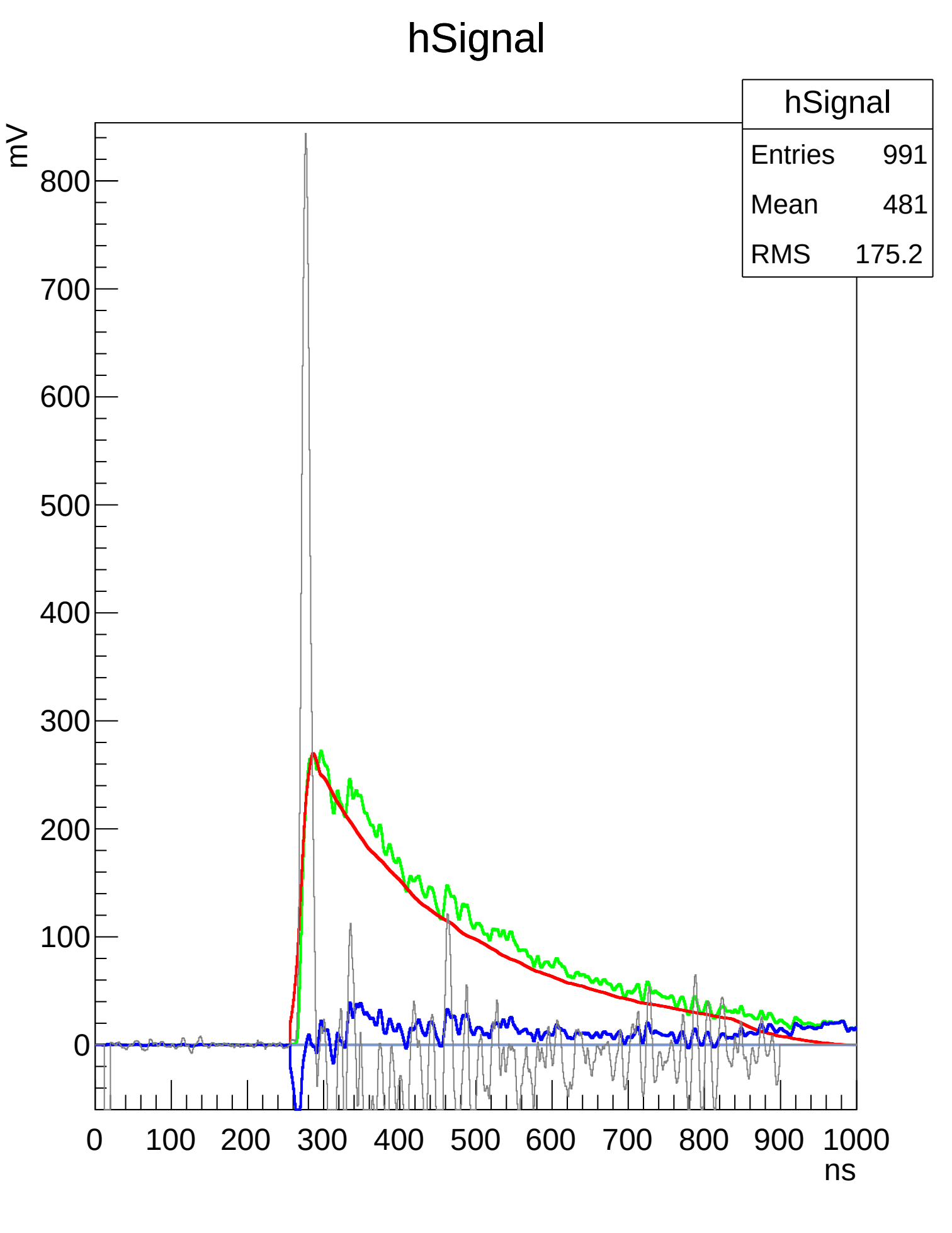
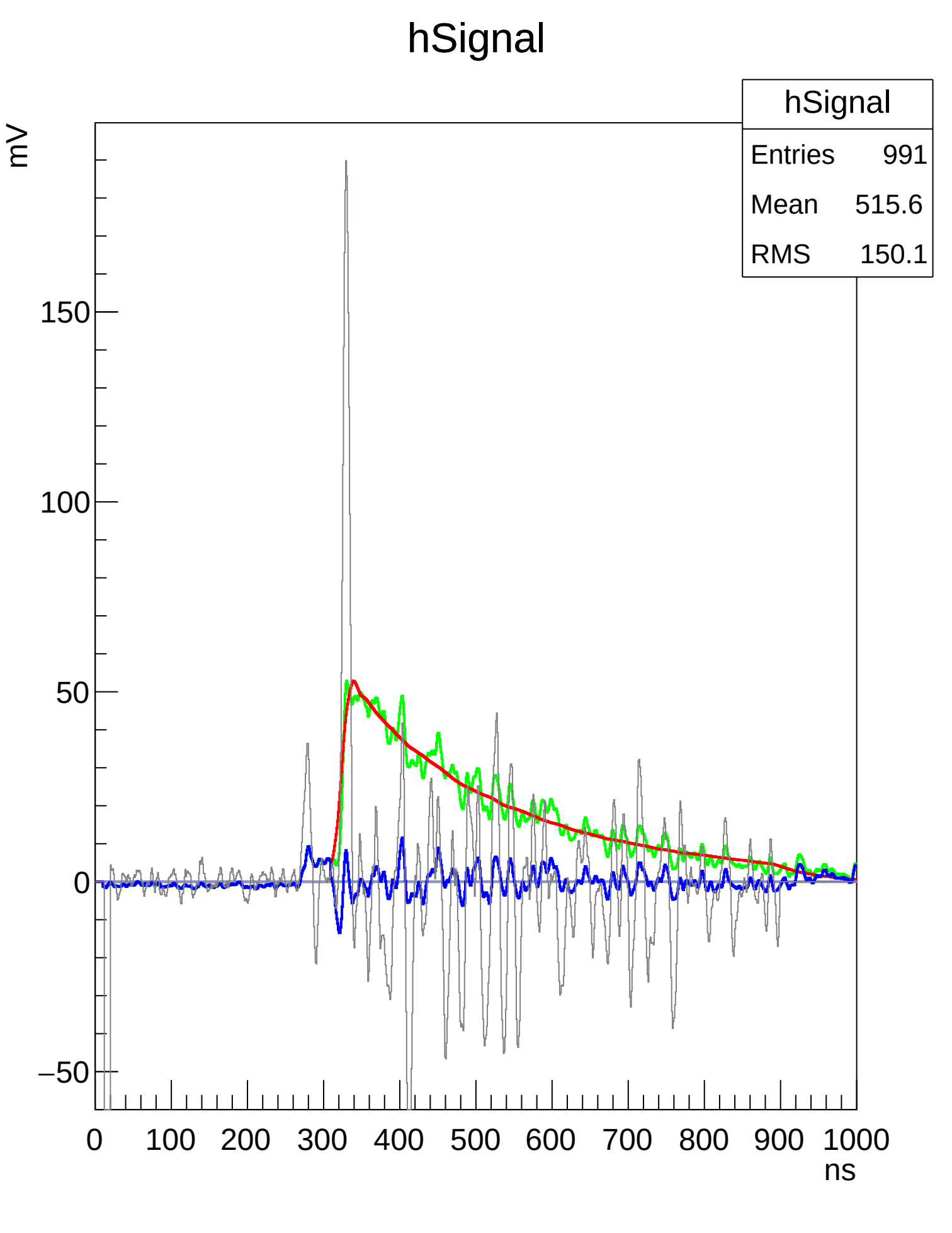
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 481
RMS 175.2
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.6
RMS 150.1
mV
150
100
50
0
−50
0
100
200
300
400
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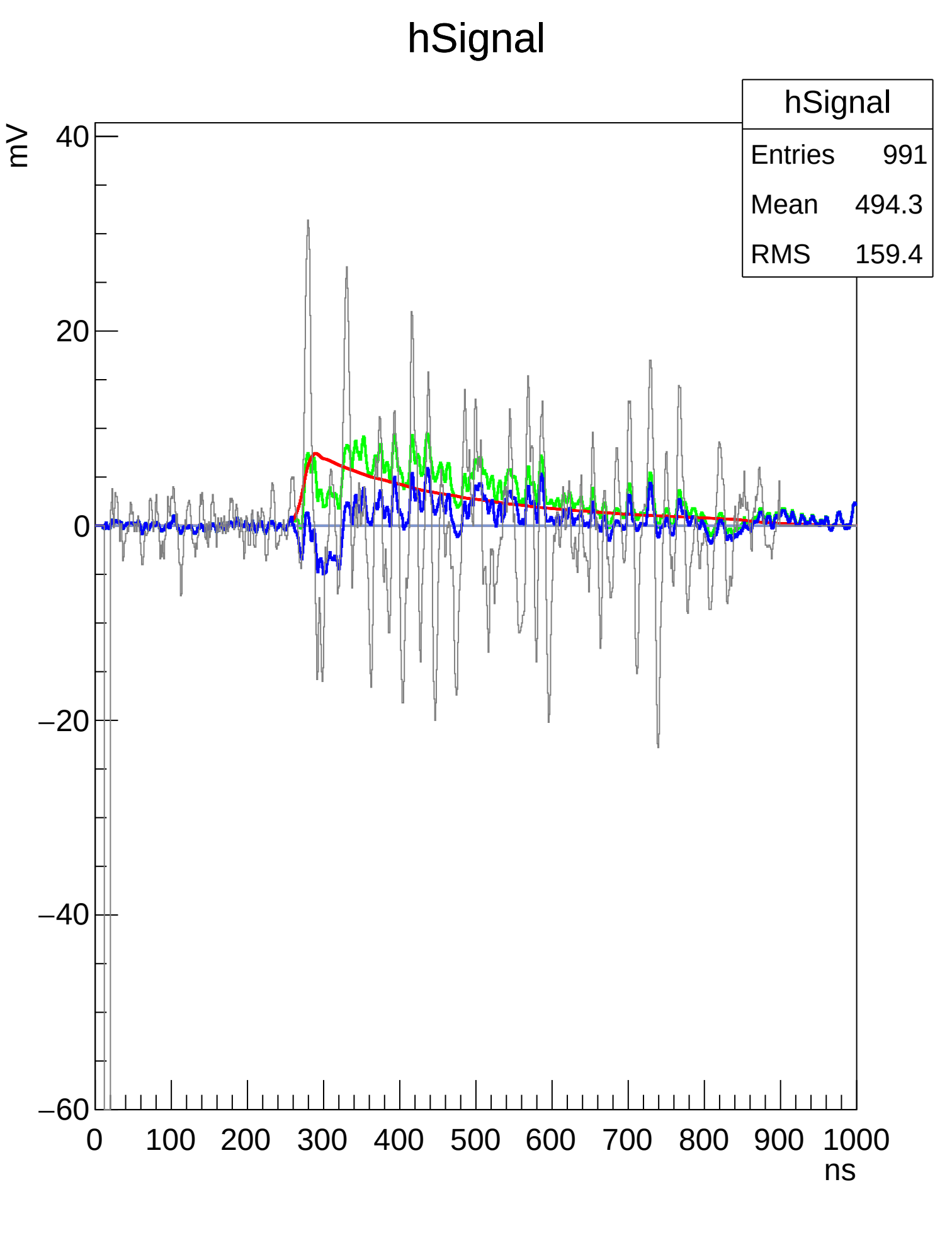
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.3
RMS 159.4
mV
40
20
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−20
−40
−60
0
100
200
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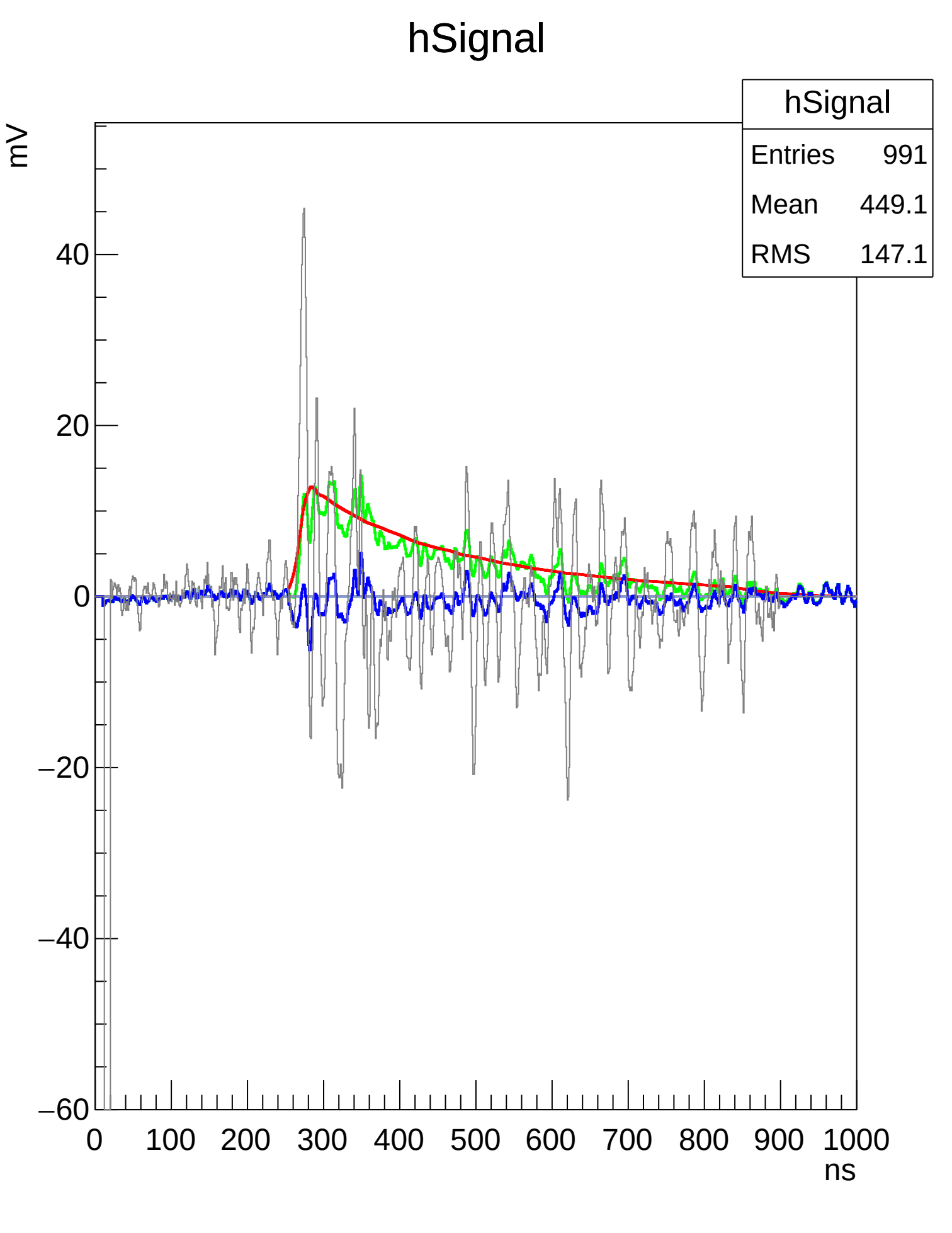
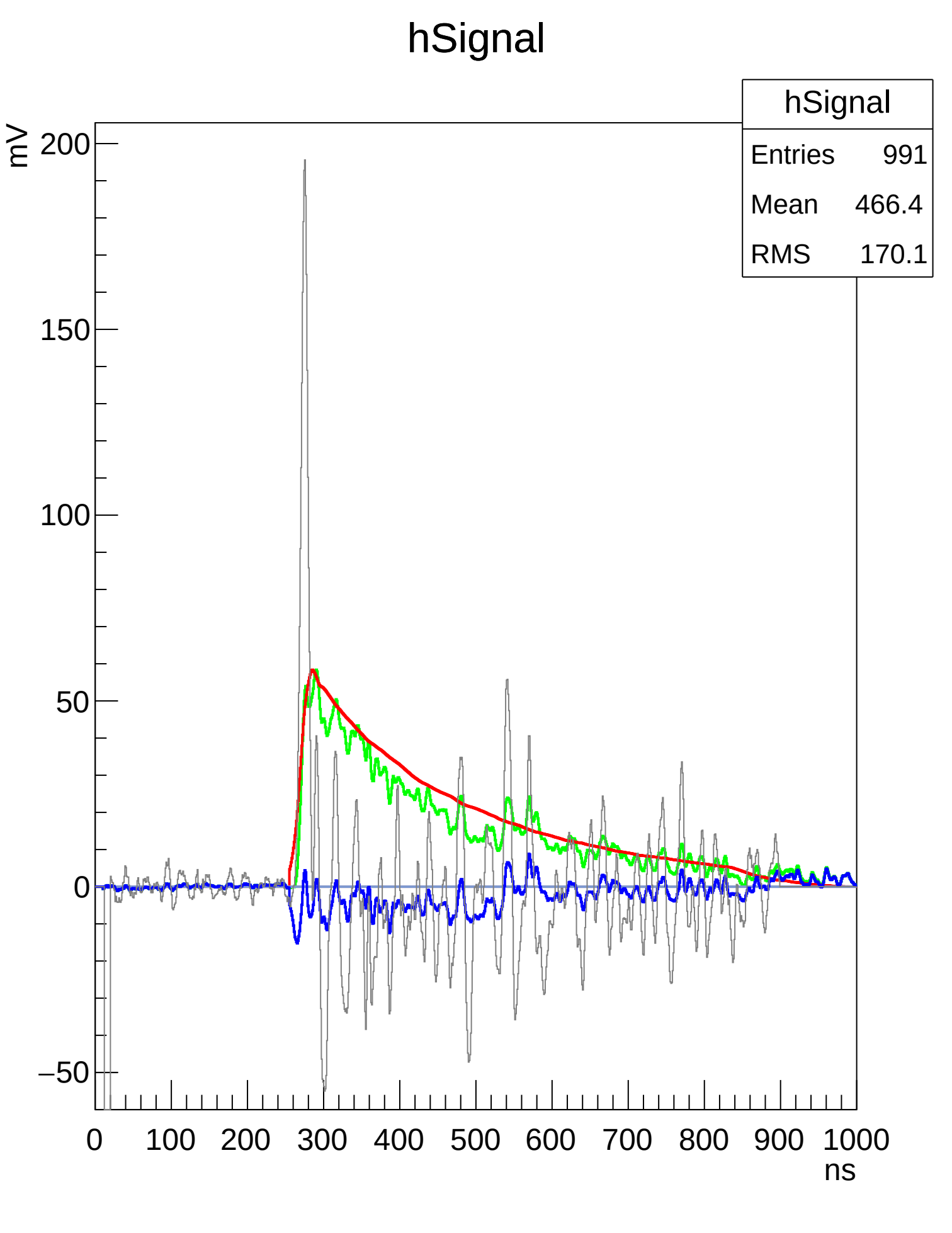
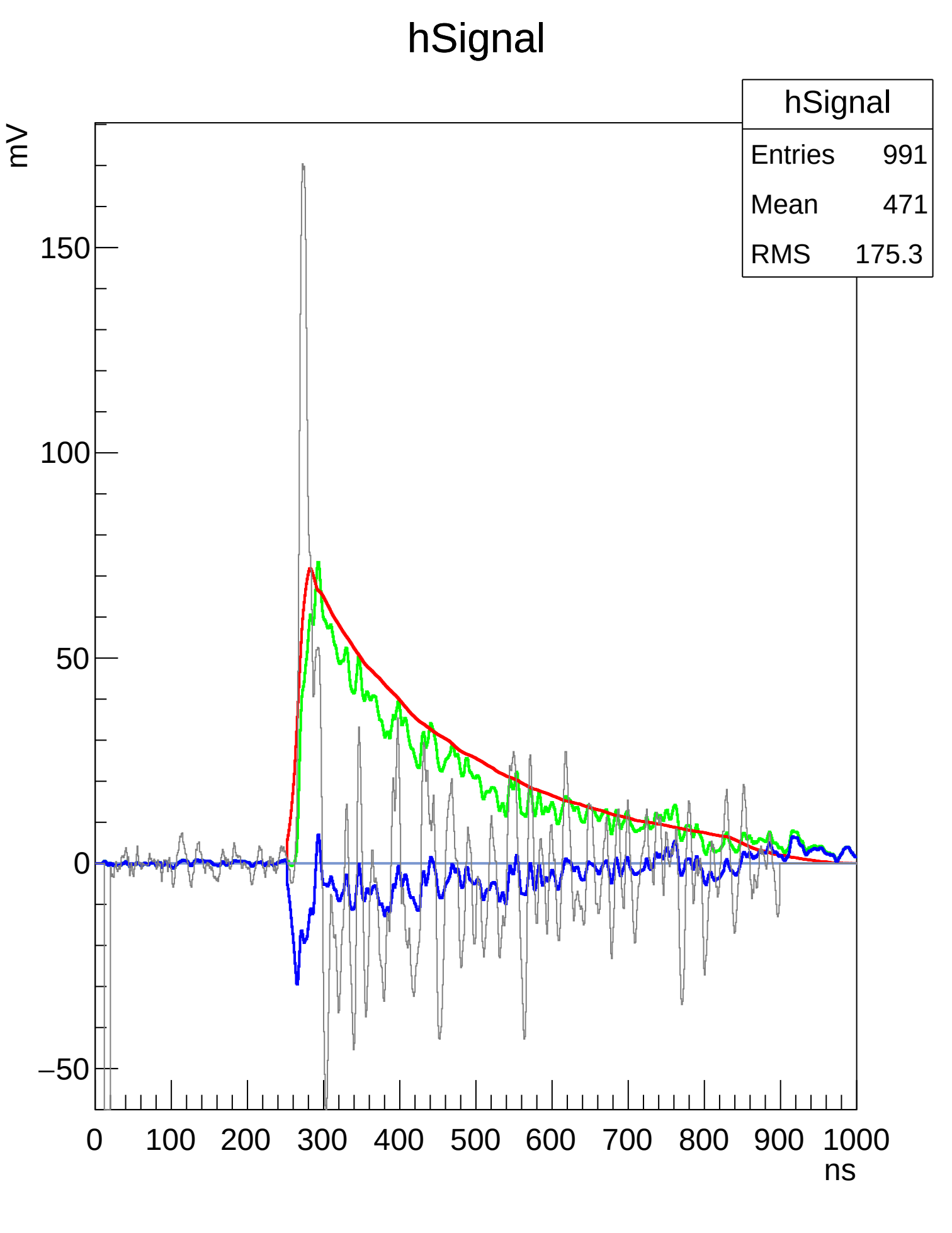
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 449.1
RMS 147.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 466.4
RMS 170.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 471
RMS 175.3
mV
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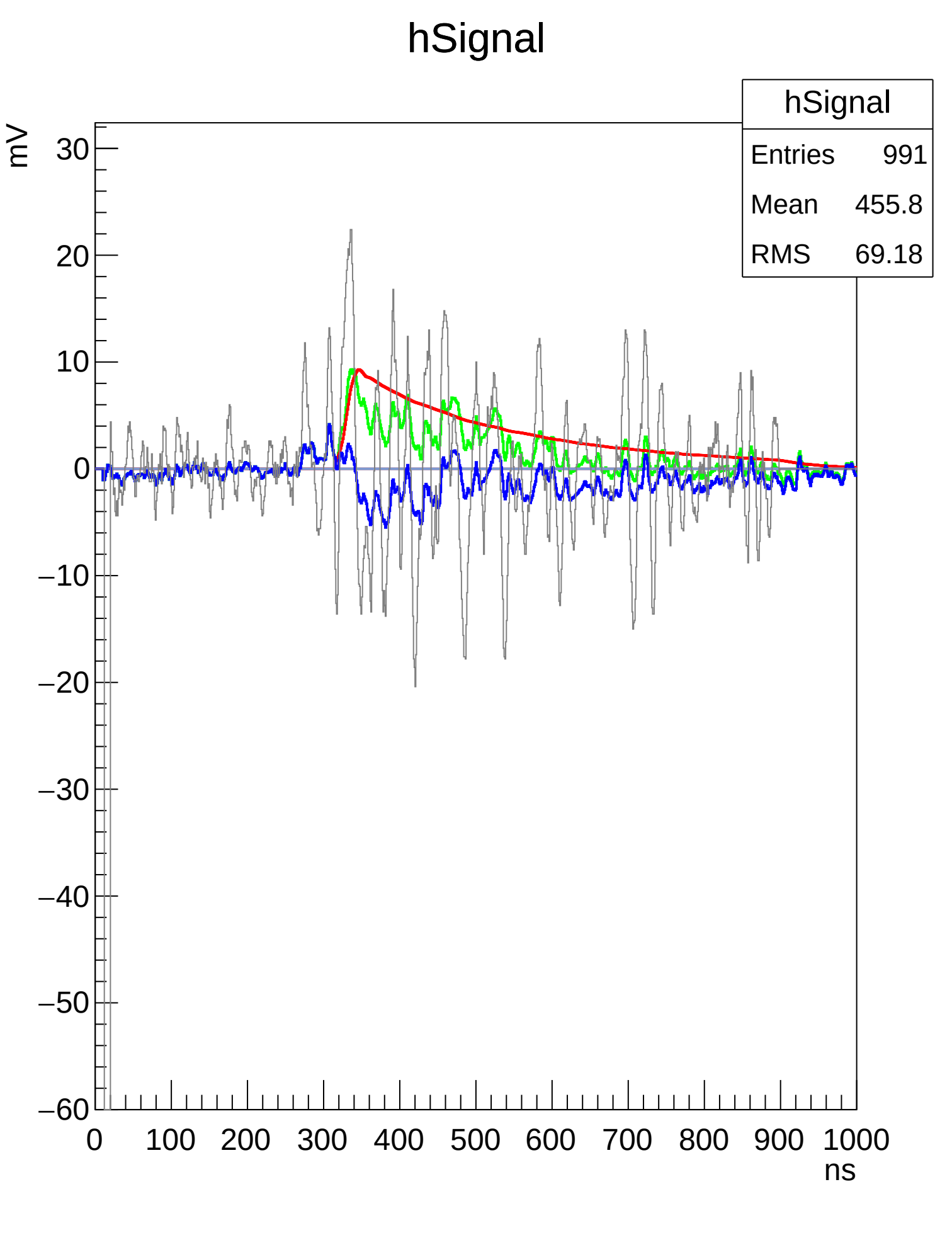
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 455.8
RMS 69.18
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
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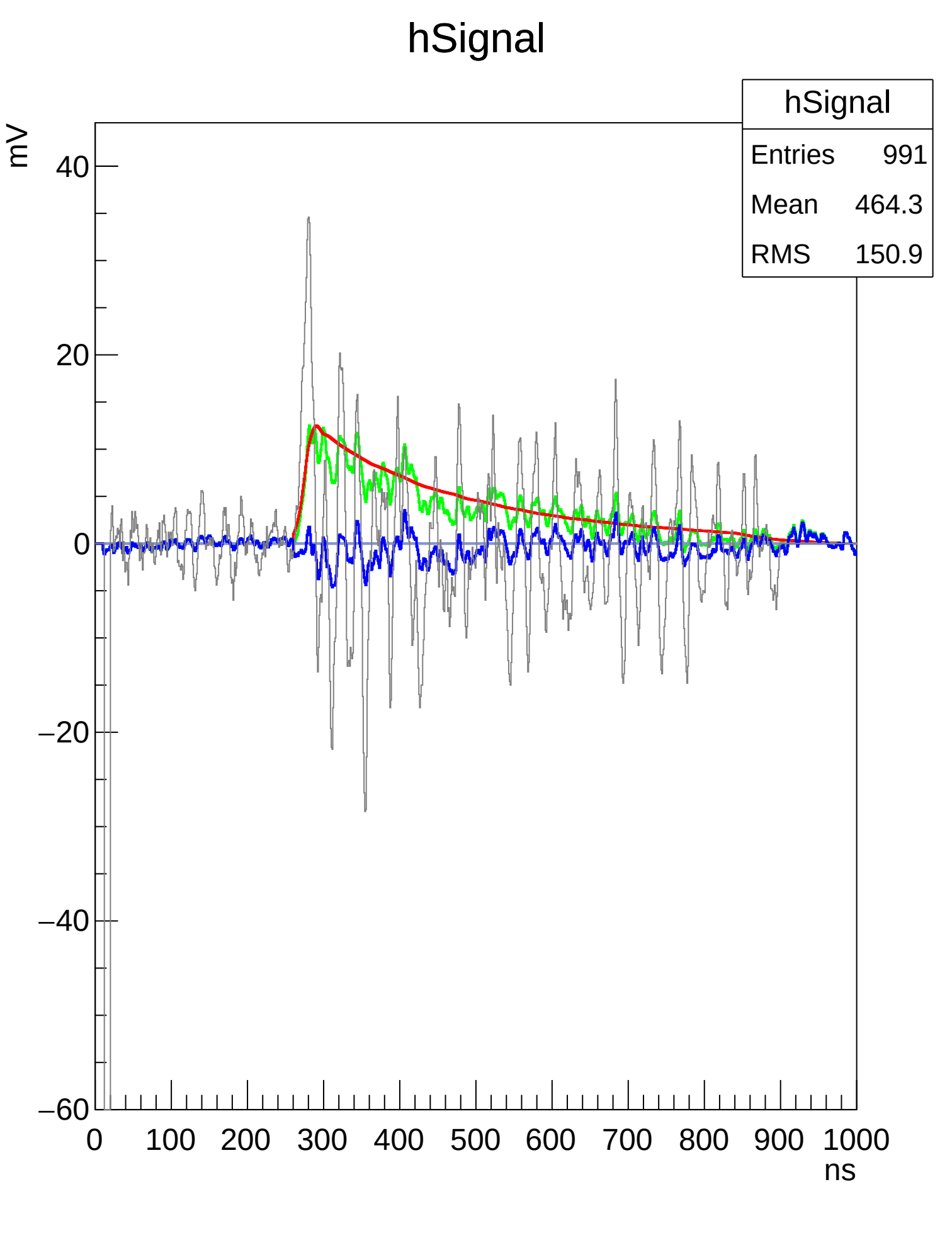
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 464.3
RMS 150.9
mV
40
20
0
−20
−40
−60
0
100
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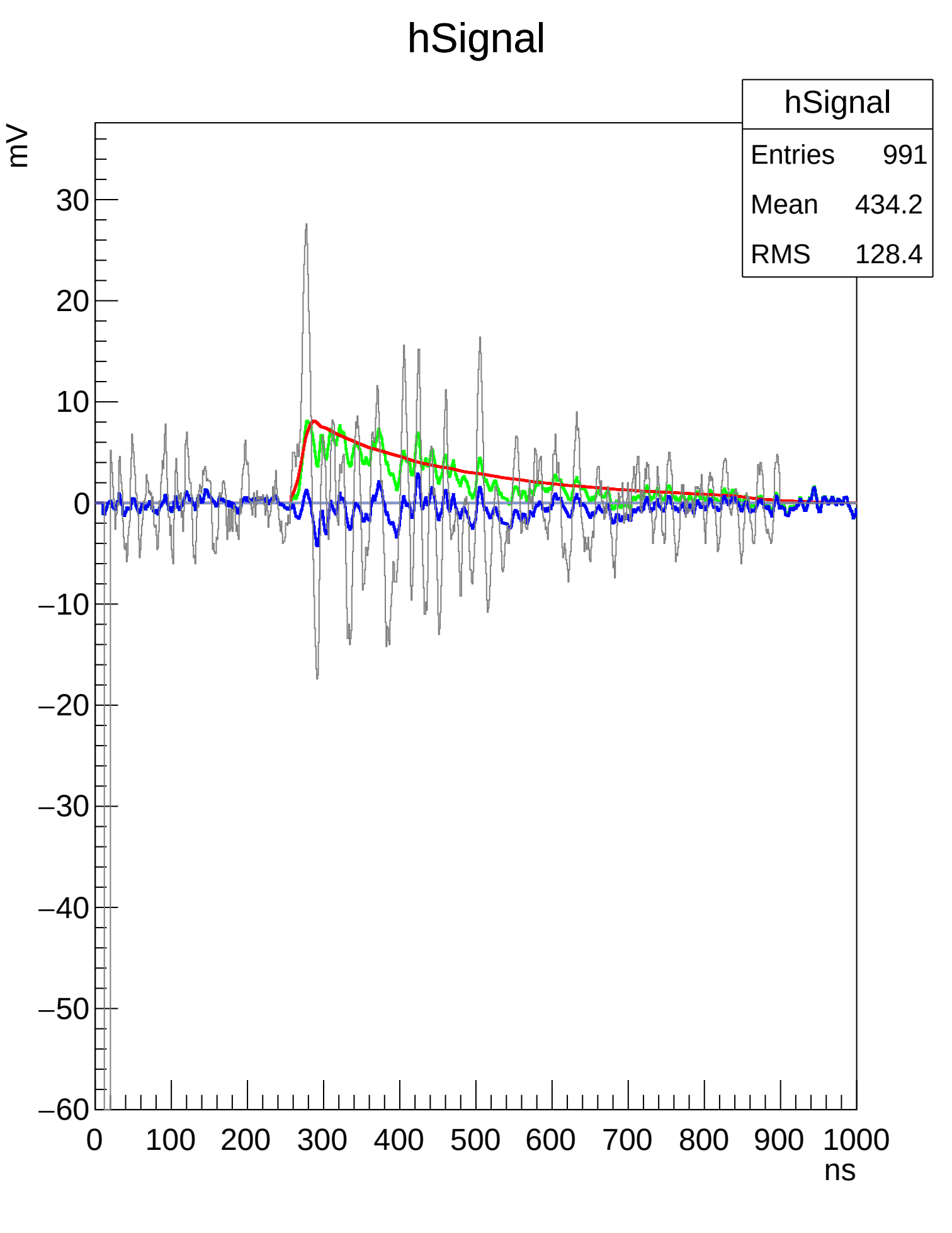
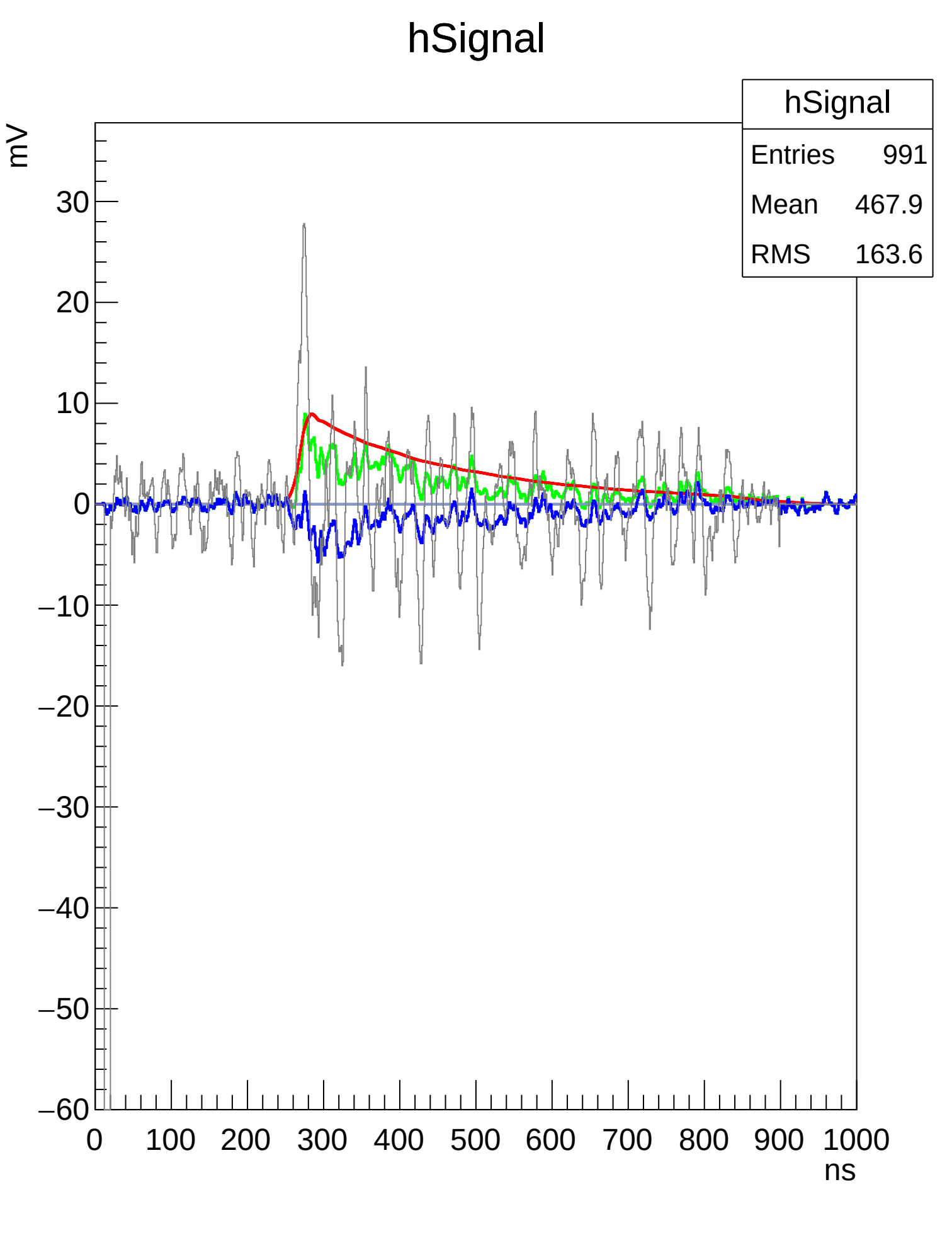
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 434.2
RMS 128.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 467.9
RMS 163.6
mV
30
20
10
0
−10
−20
−30
−40
−50
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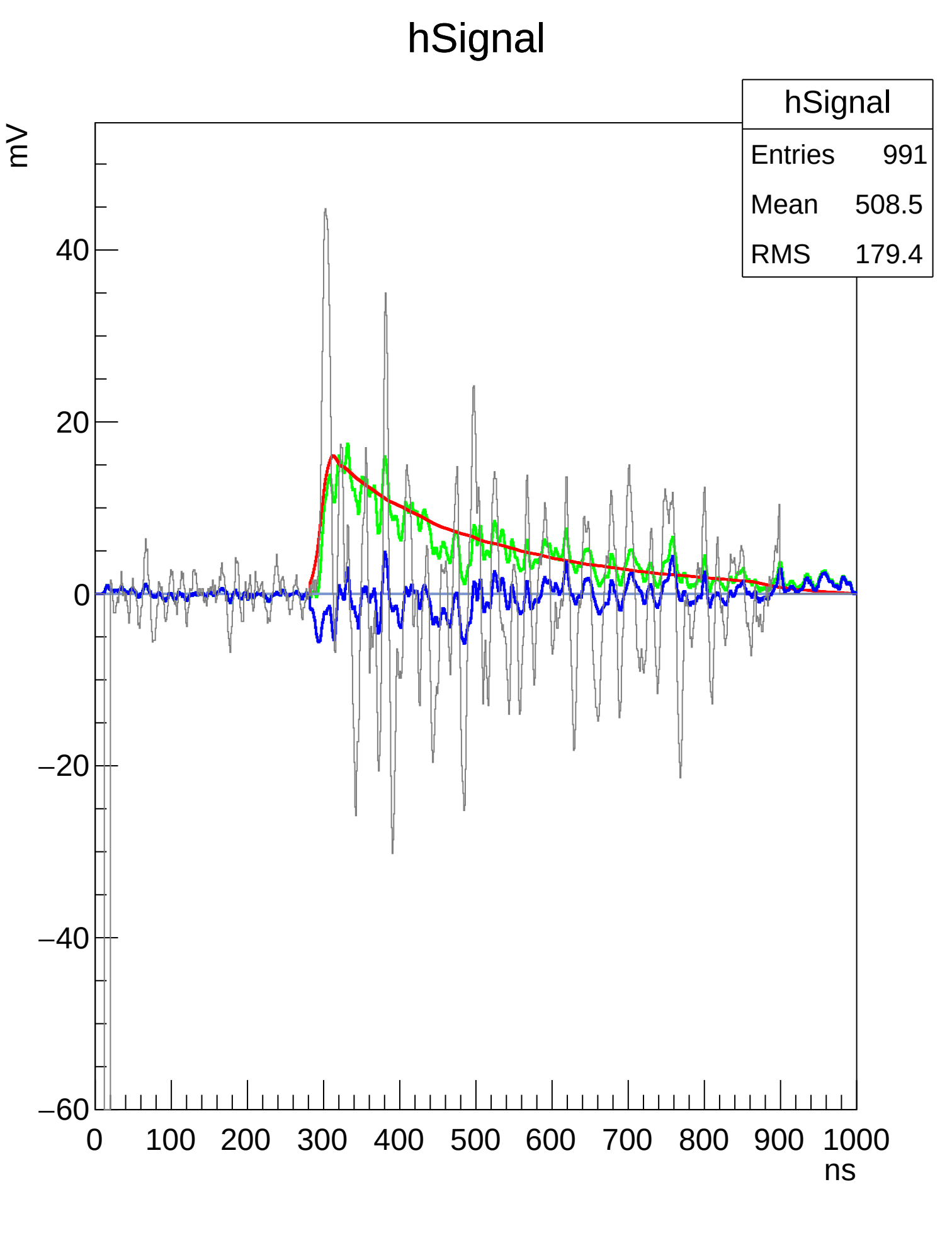
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.5
RMS 179.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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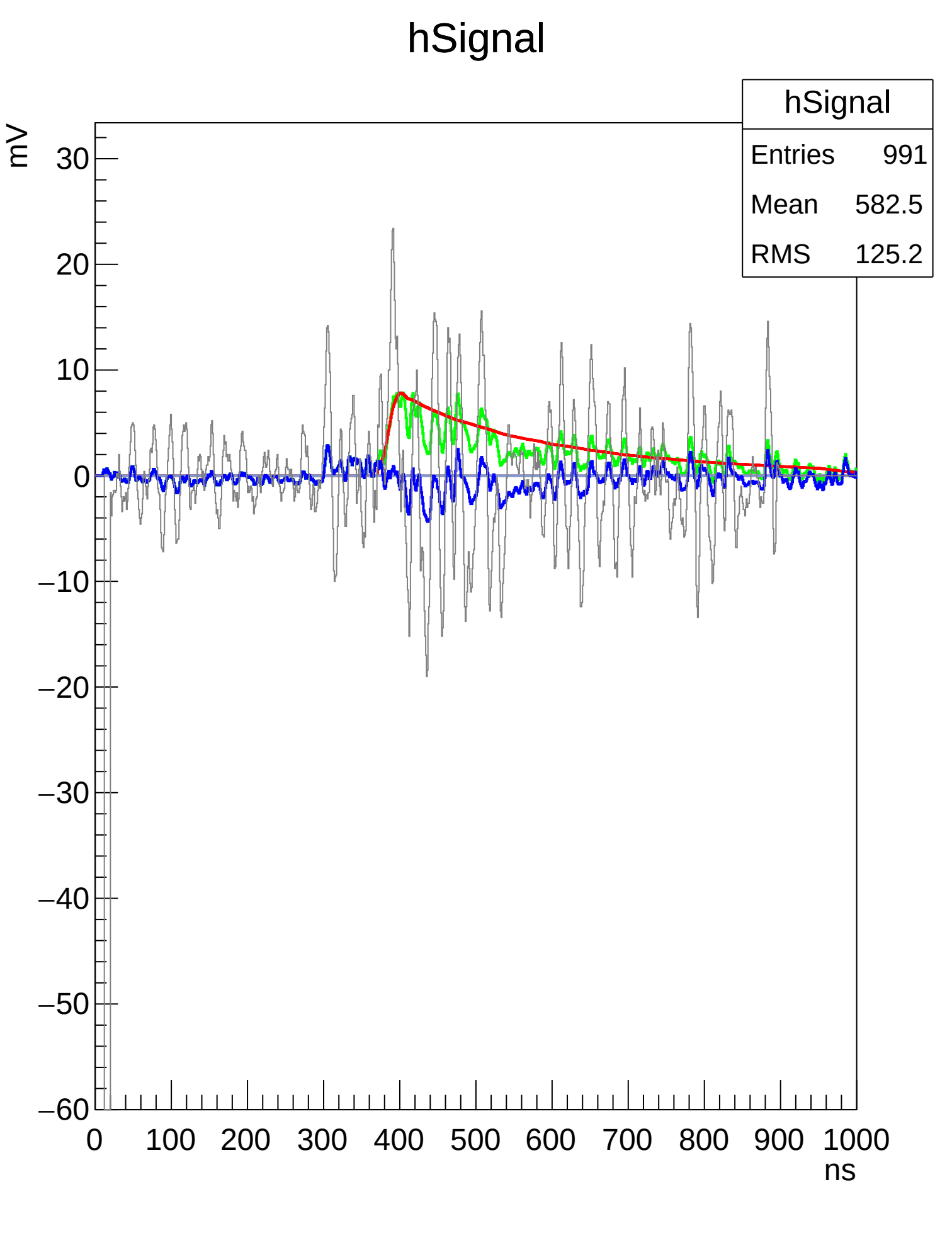
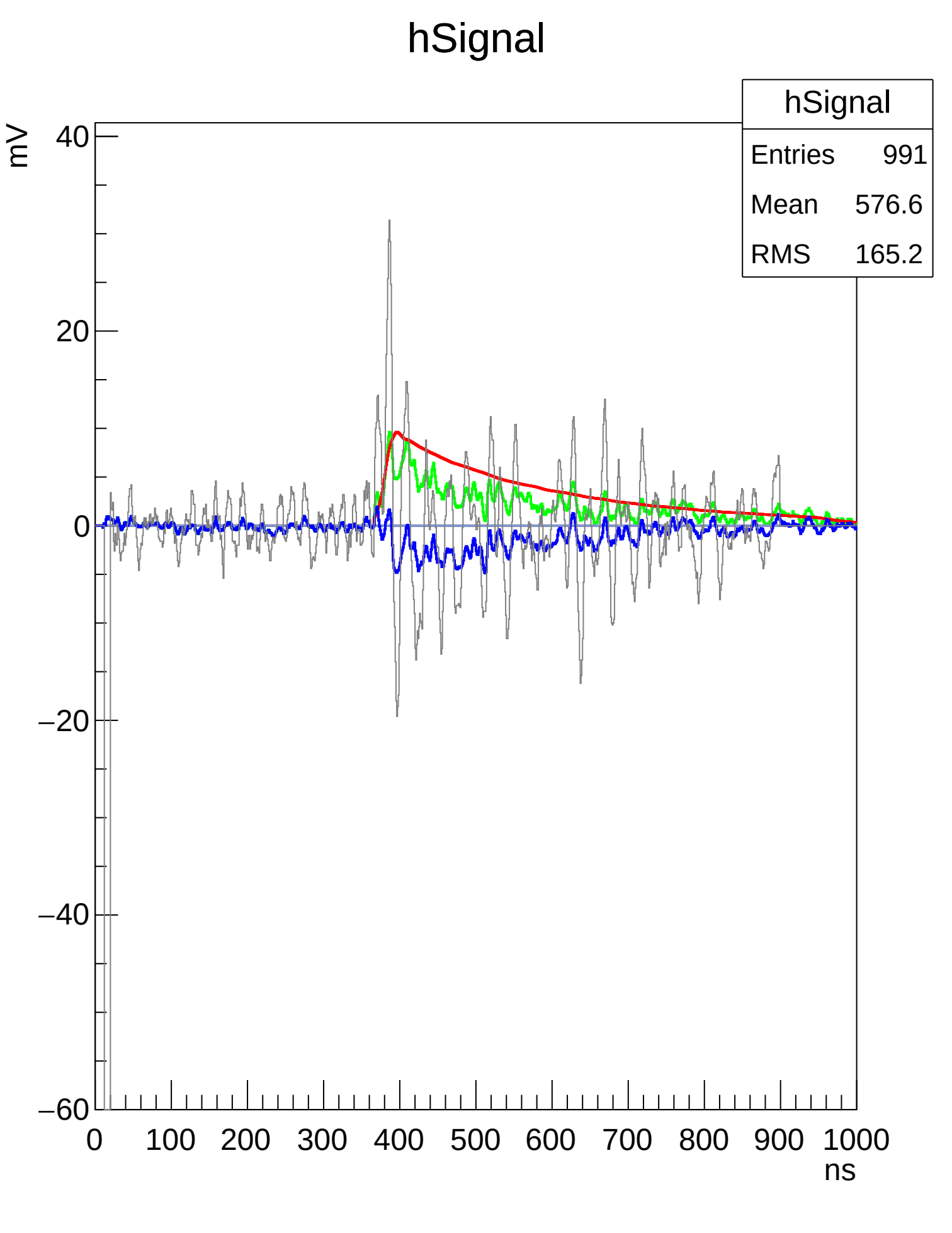
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.5
RMS 125.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.6
RMS 165.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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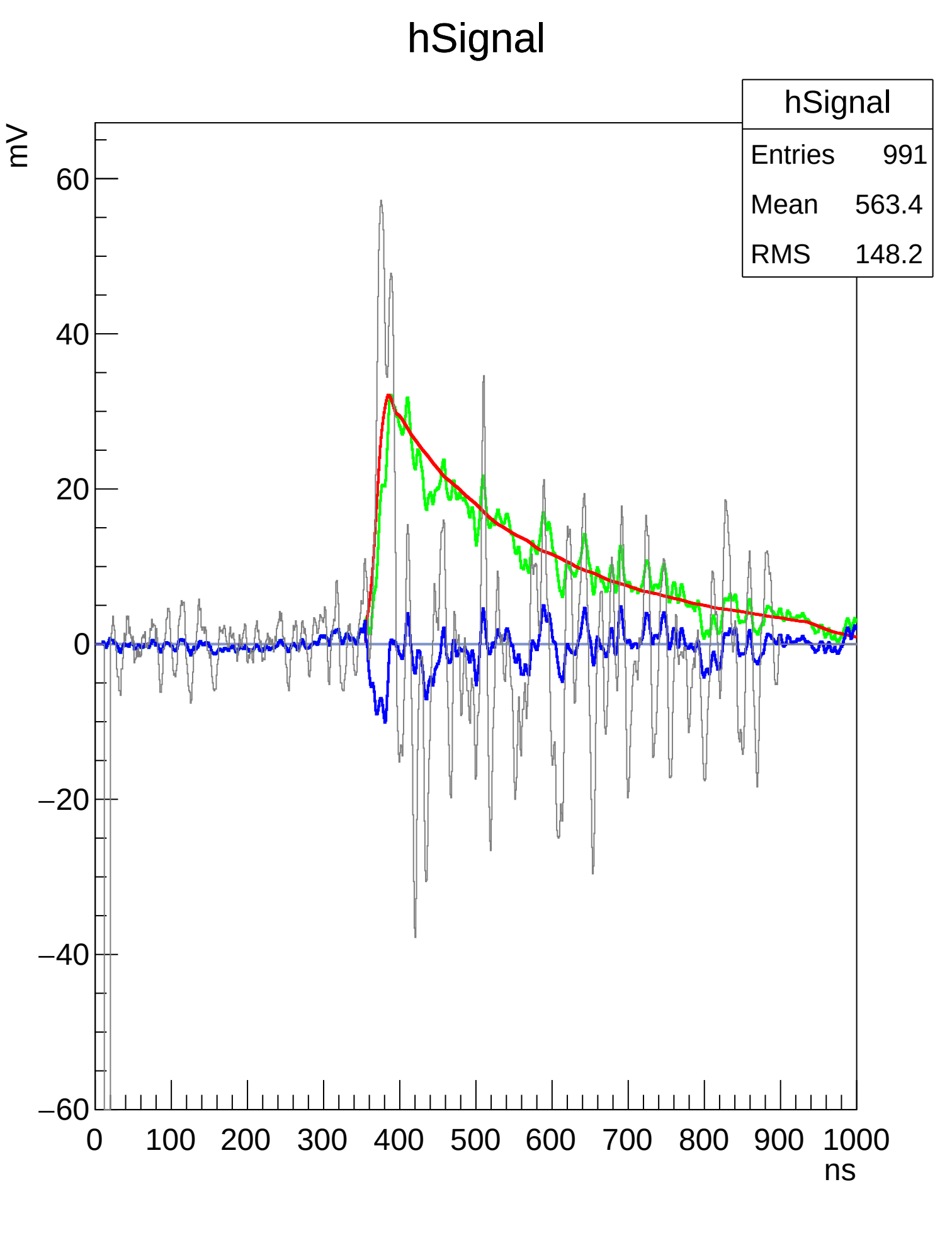
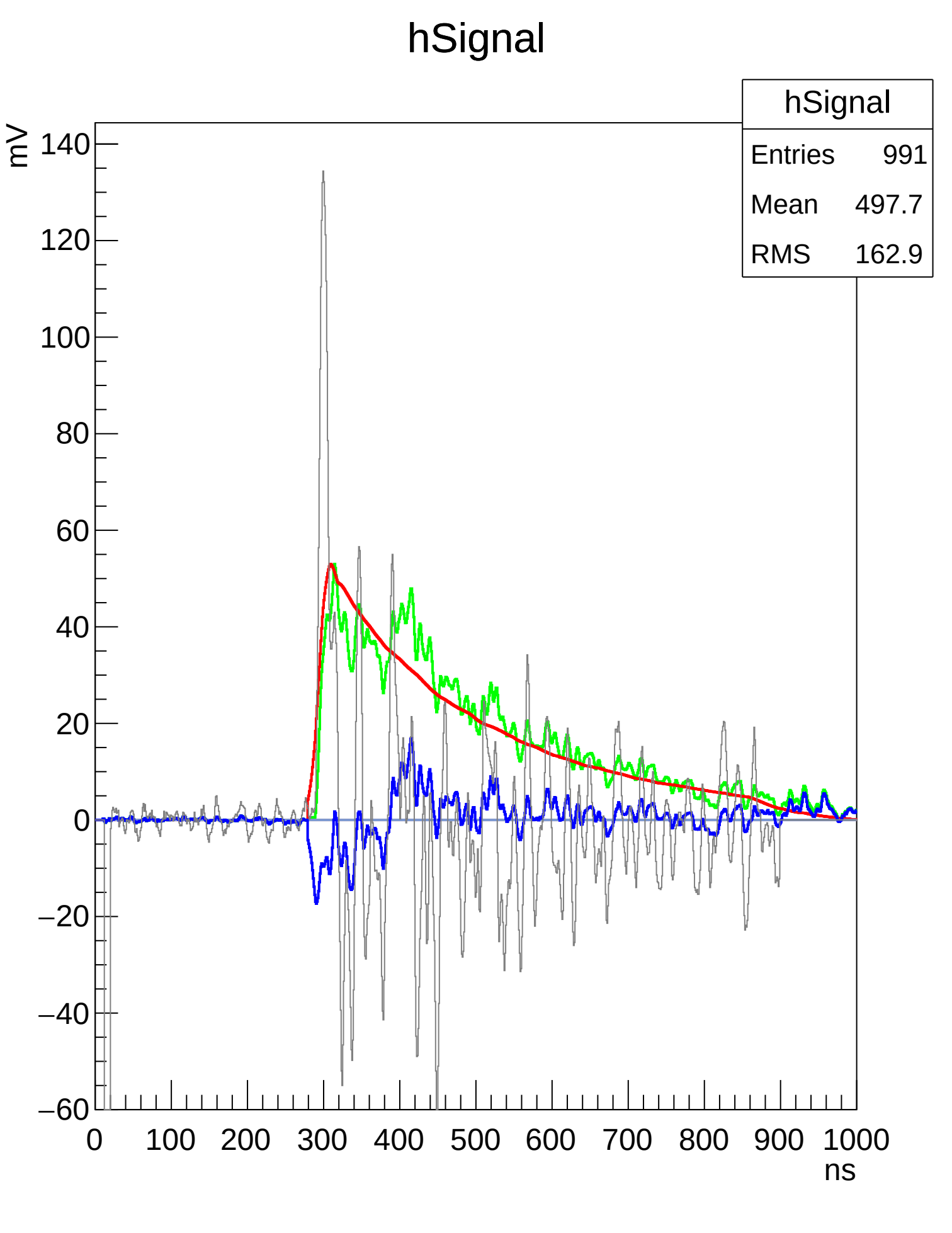
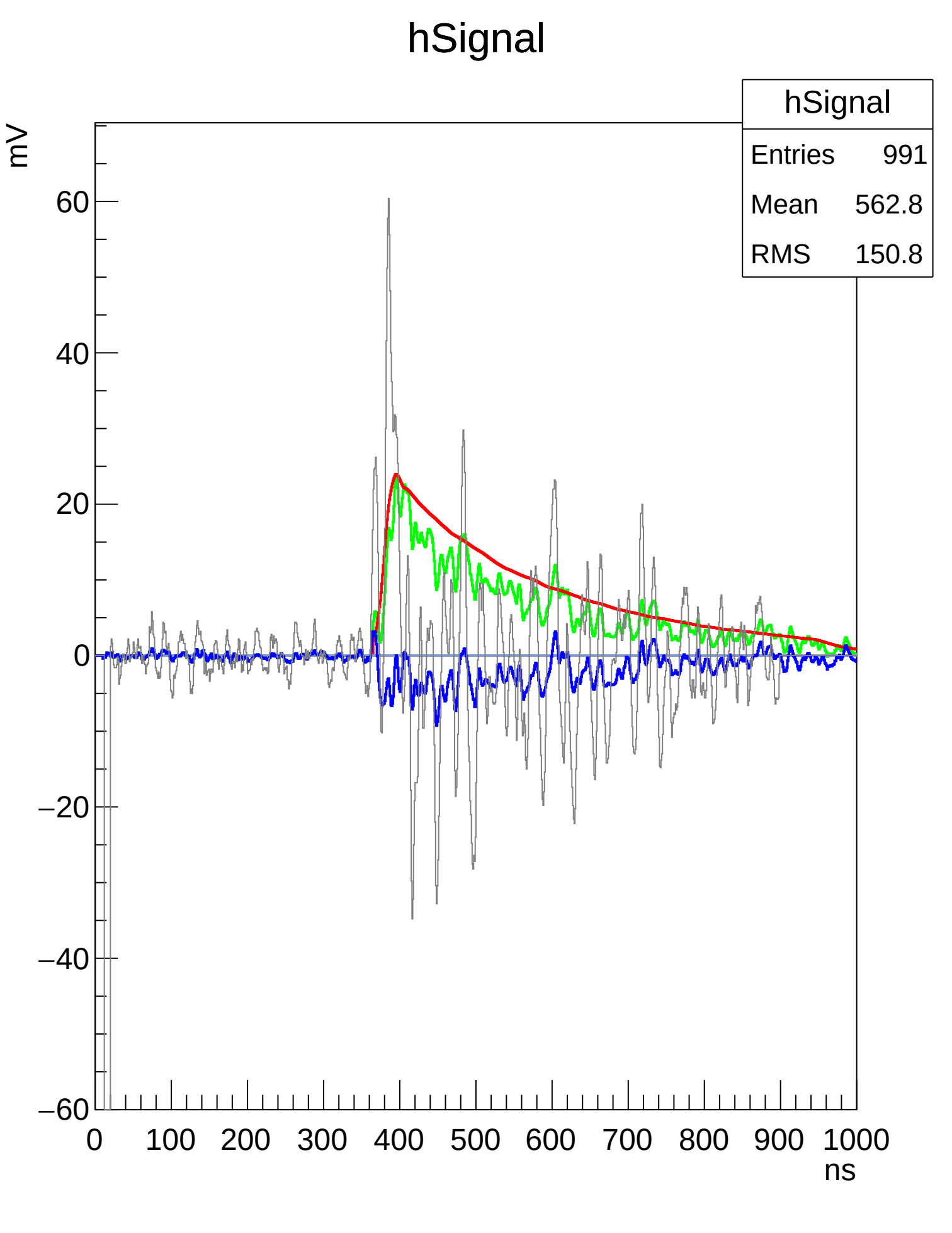
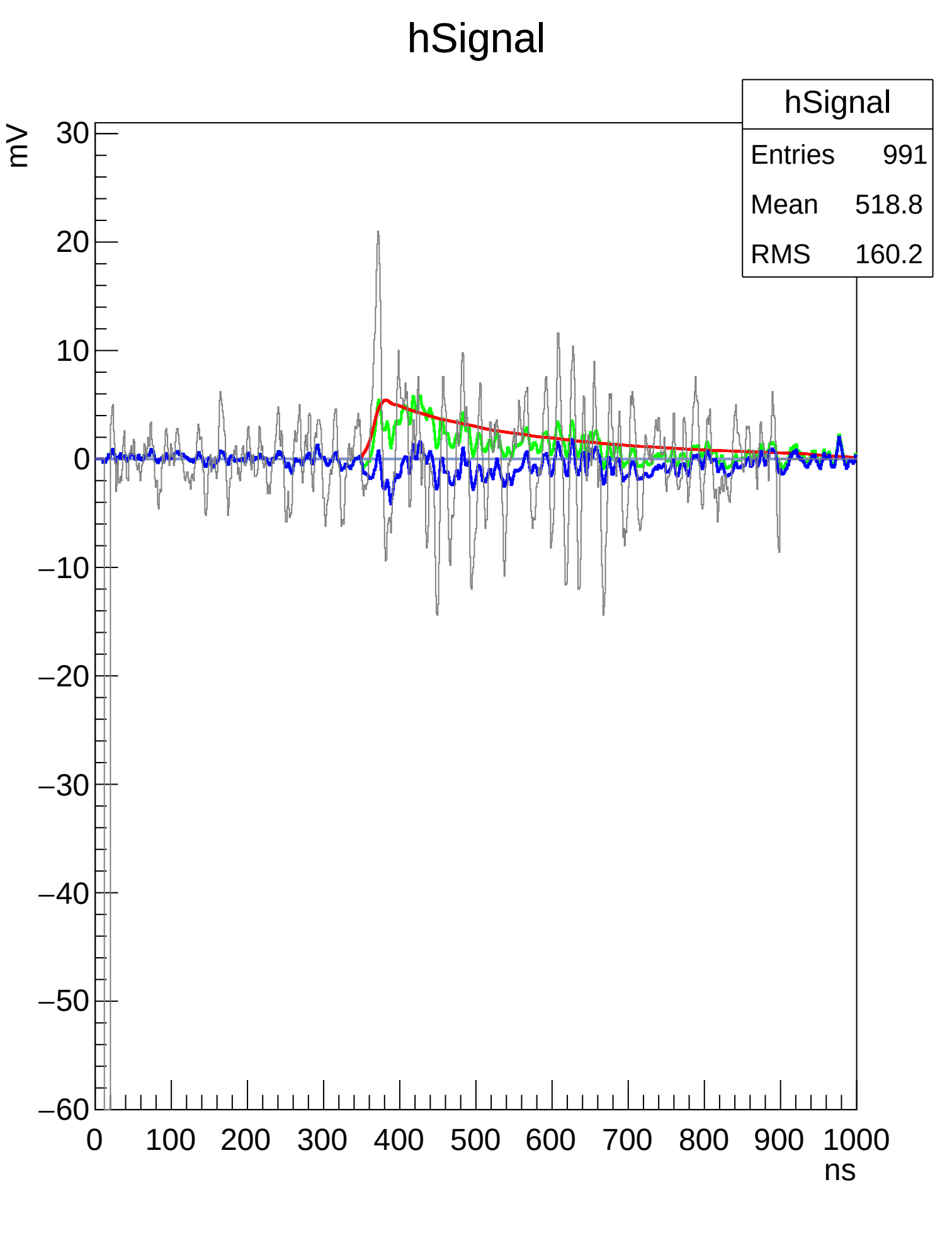
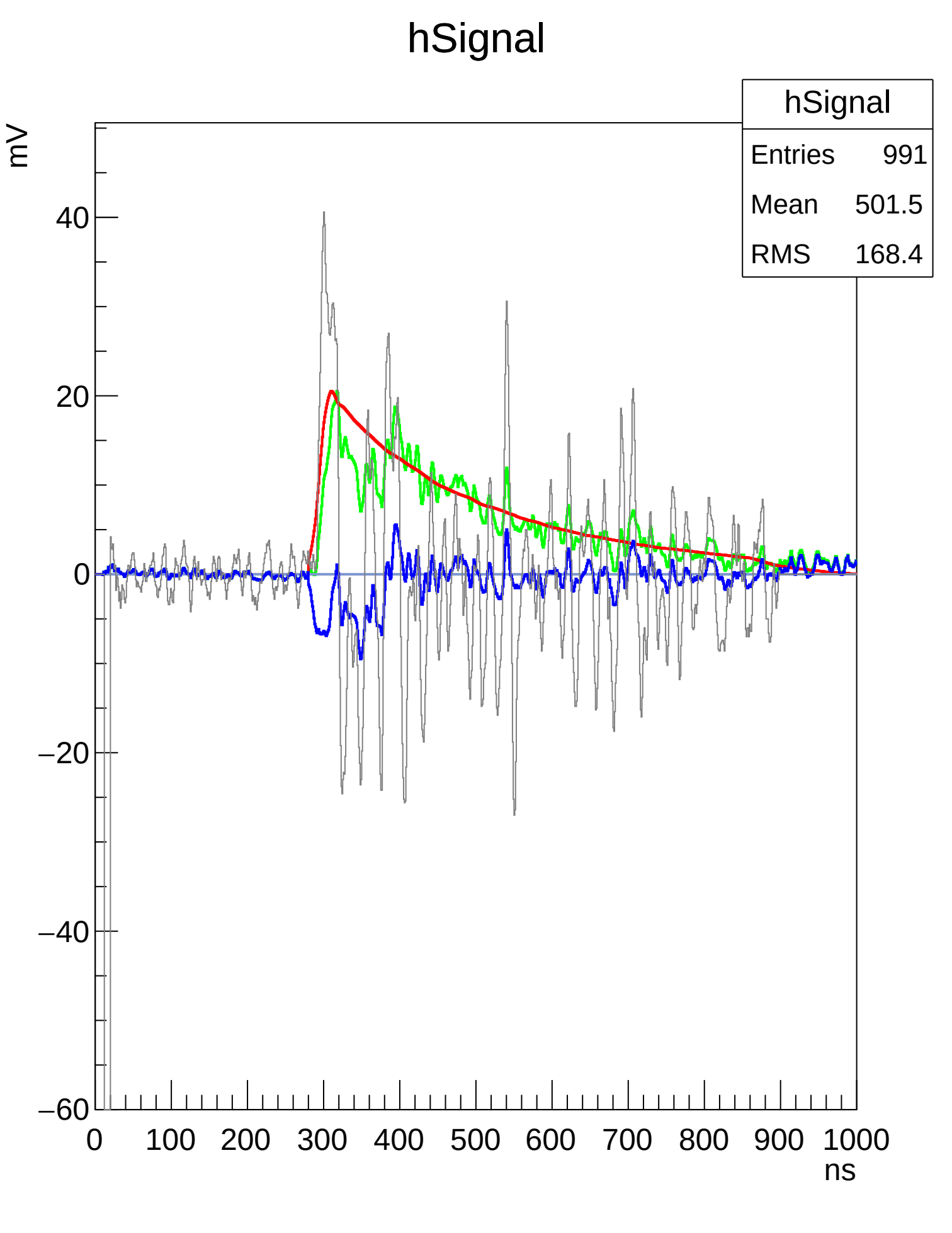
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.4
RMS 148.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.7
RMS 162.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.8
RMS 150.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.8
RMS 160.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.5
RMS 168.4
mV
40
20
0
−20
−40
−60
0
100
200
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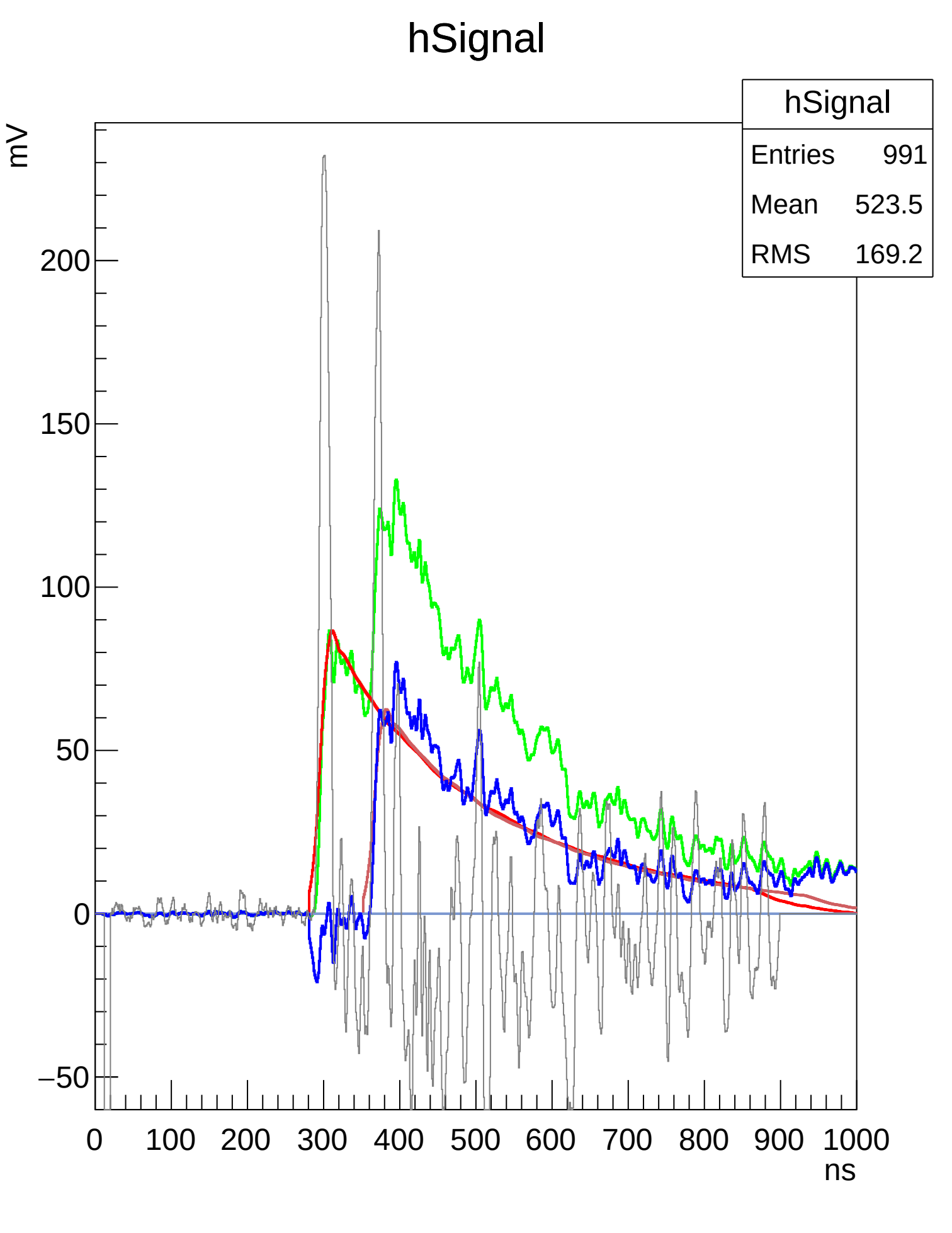
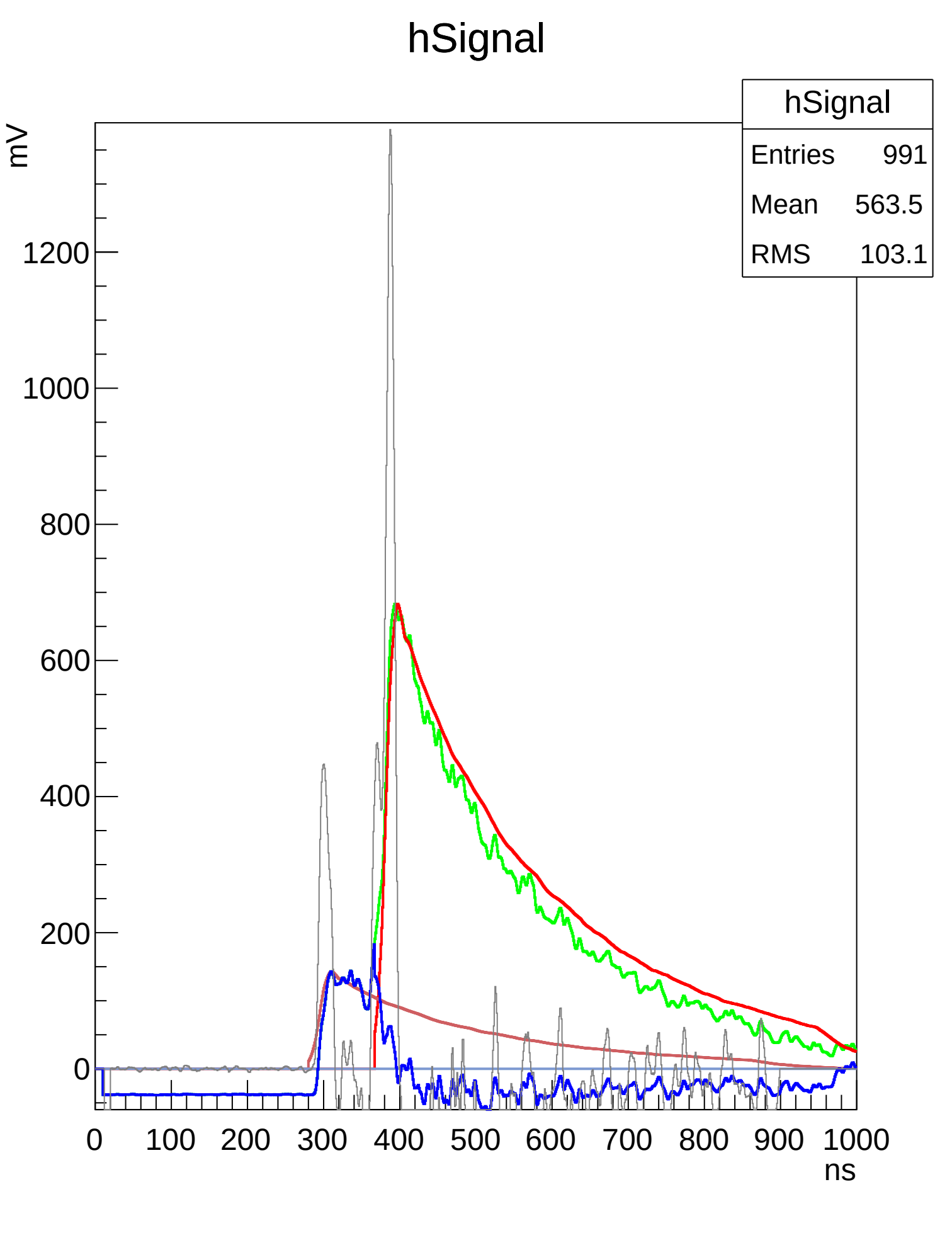
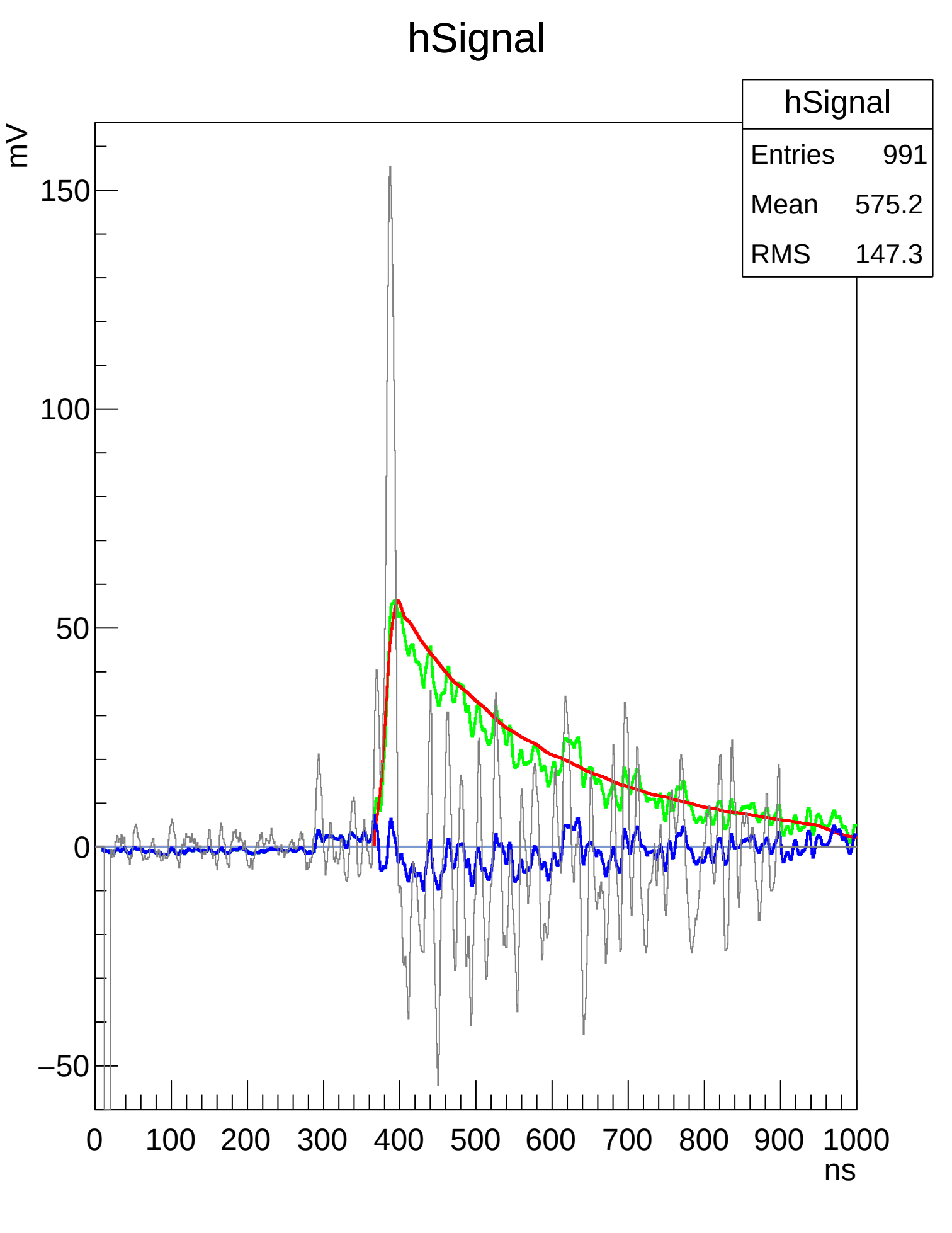
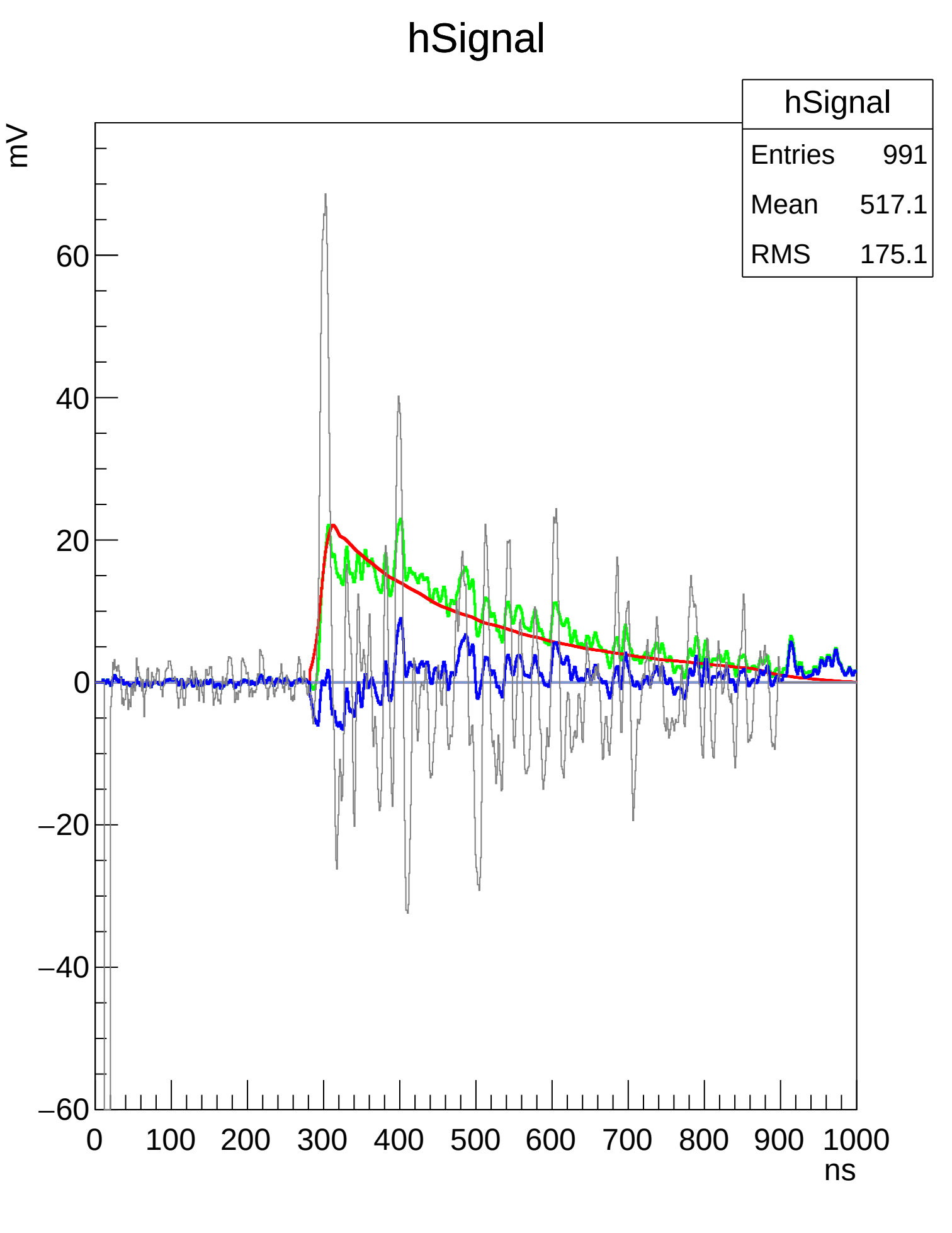
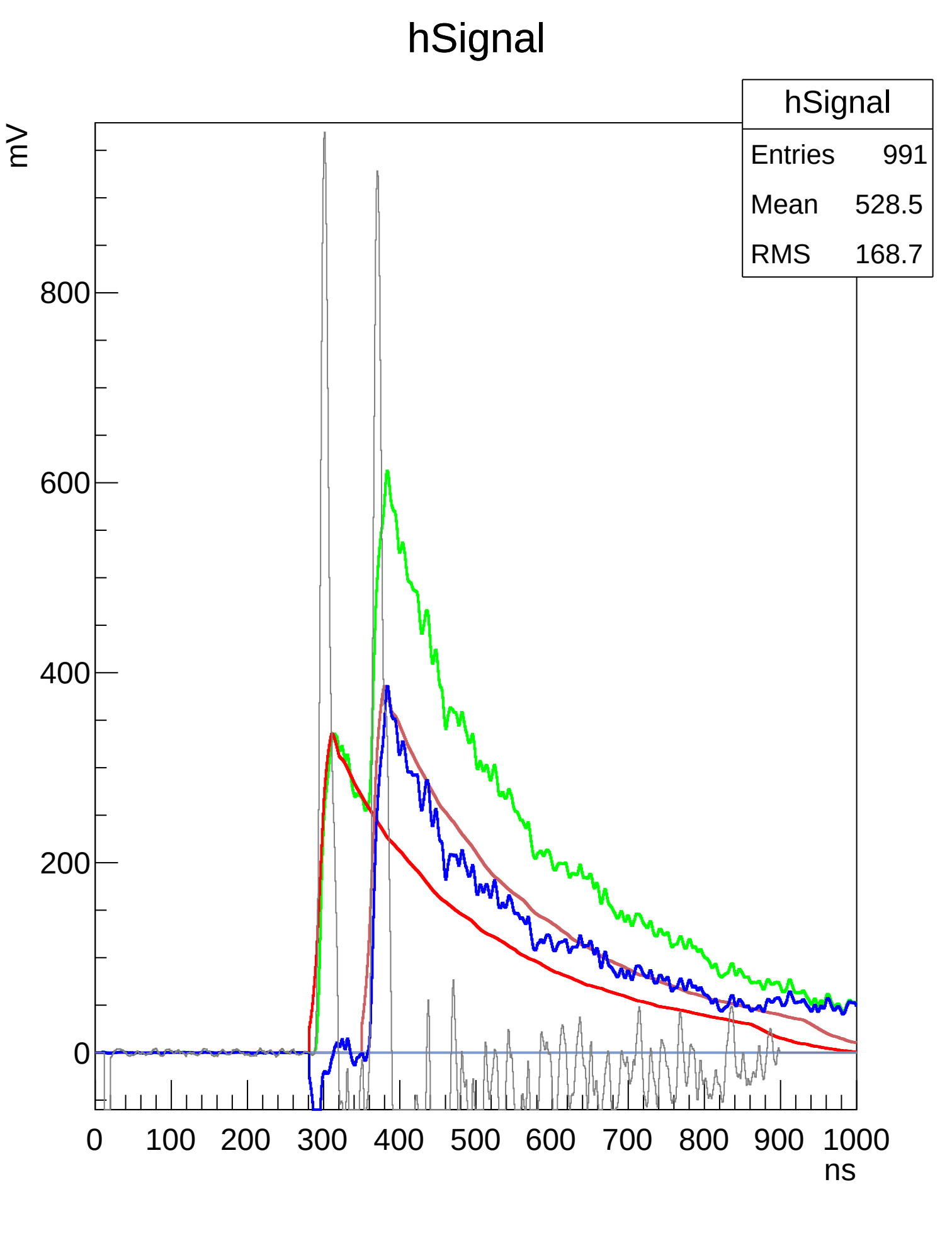
400
500
600
700
800
900
1000
ns

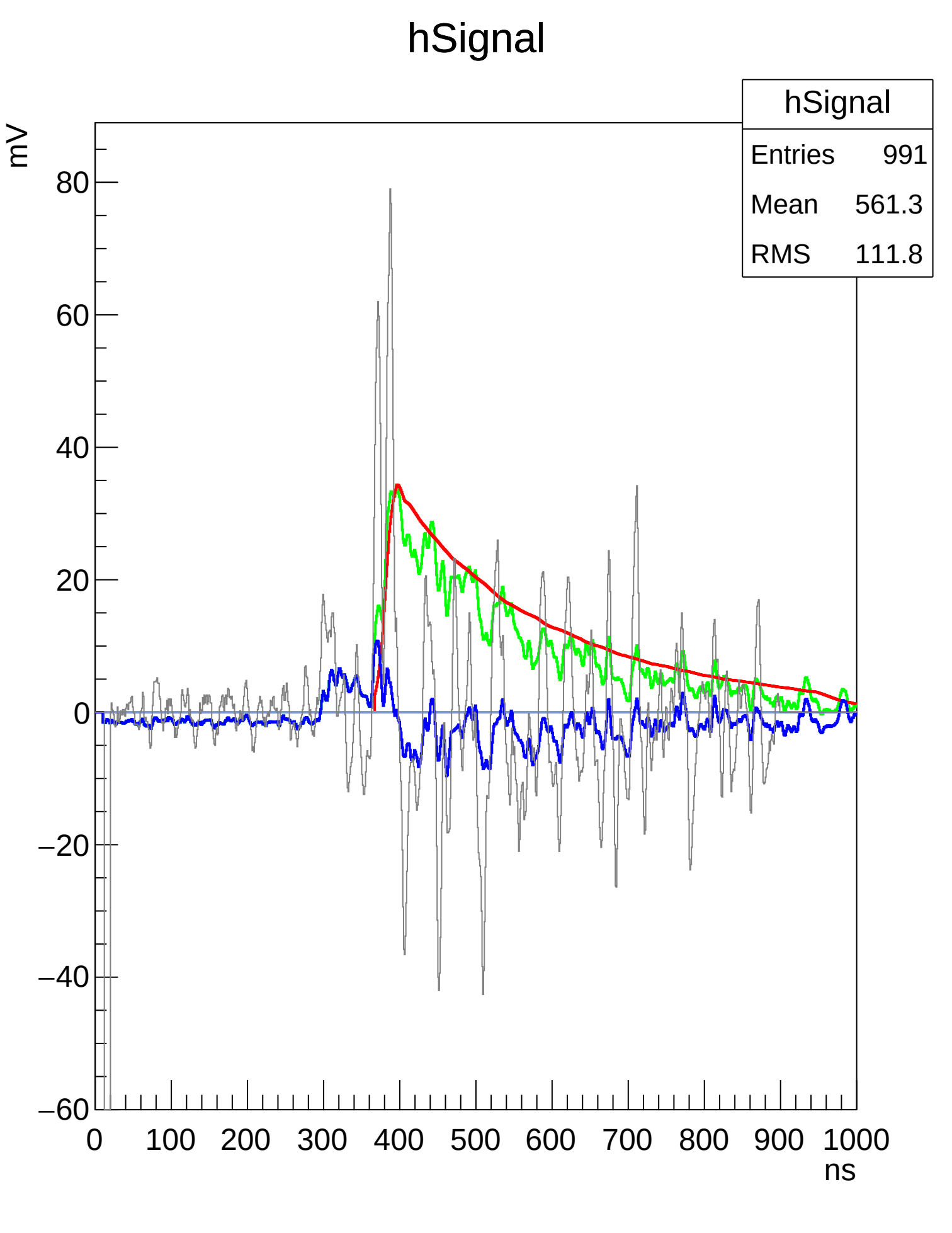

hSignal
hSignal
Entries 991
Mean 523.5
RMS 169.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

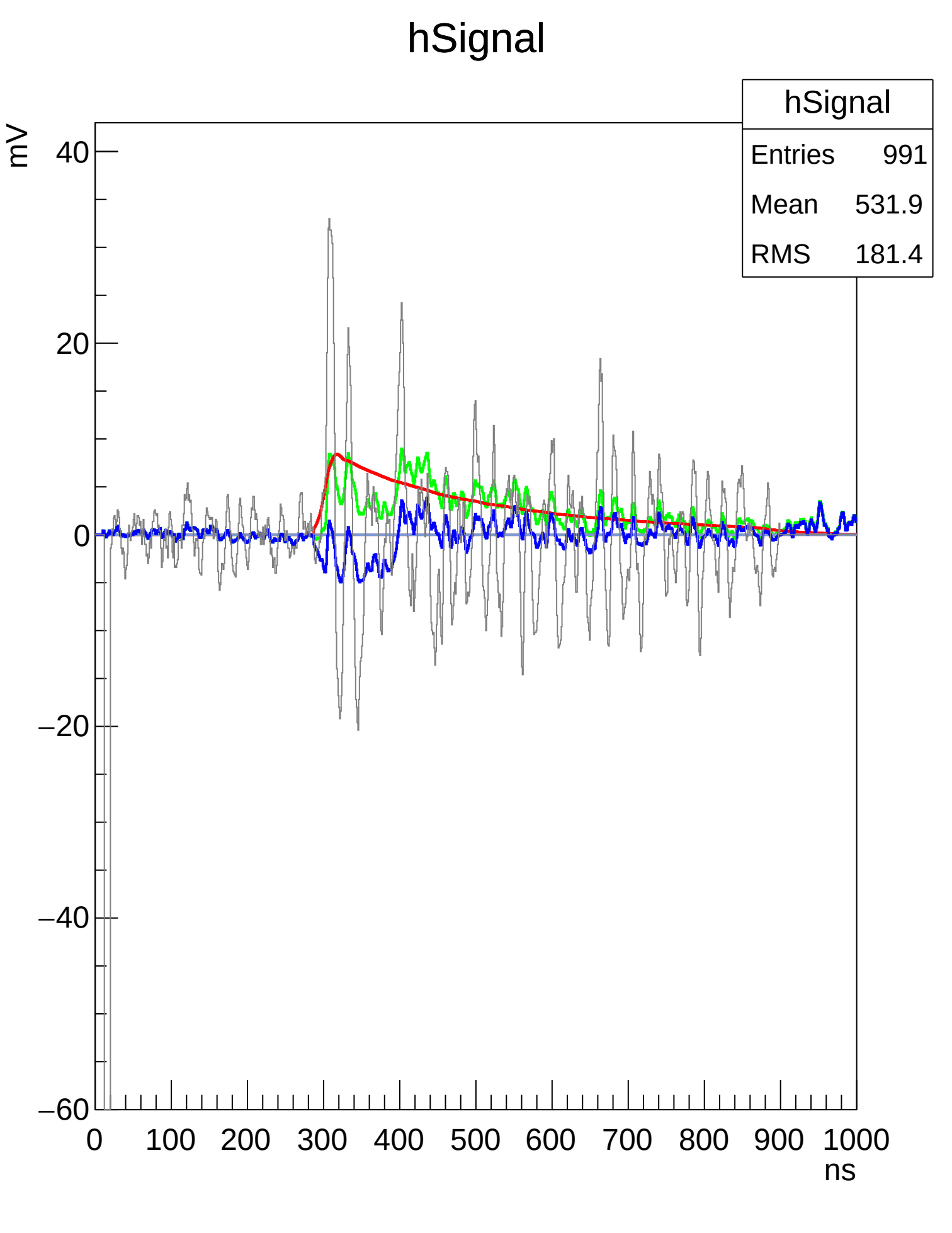

hSignal
hSignal
Entries 991
Mean 563.5
RMS 103.1
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

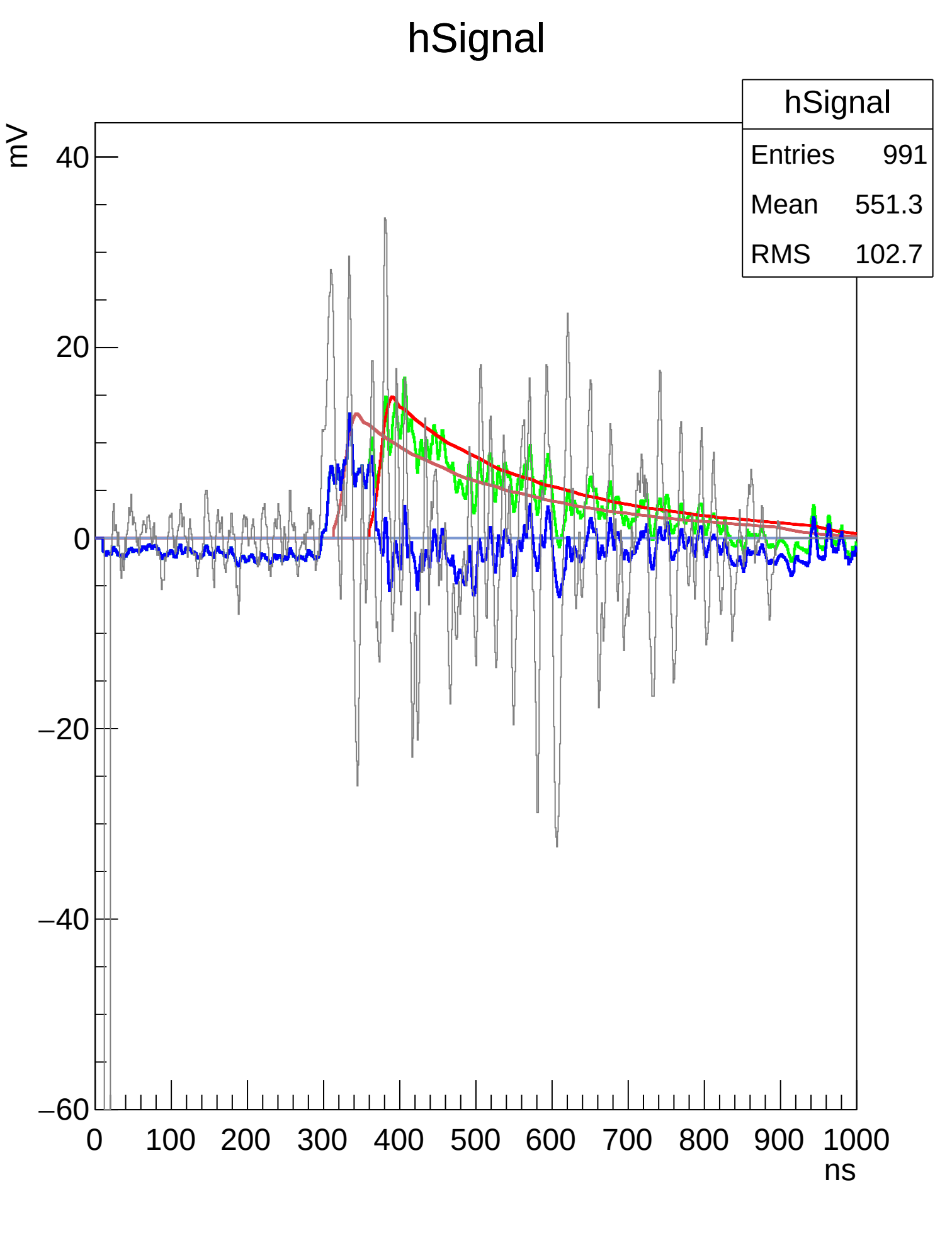

hSignal
hSignal
Entries 991
Mean 575.2
RMS 147.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.1
RMS 175.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.5
RMS 168.7
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 561.3
RMS 111.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.9
RMS 181.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.3
RMS 102.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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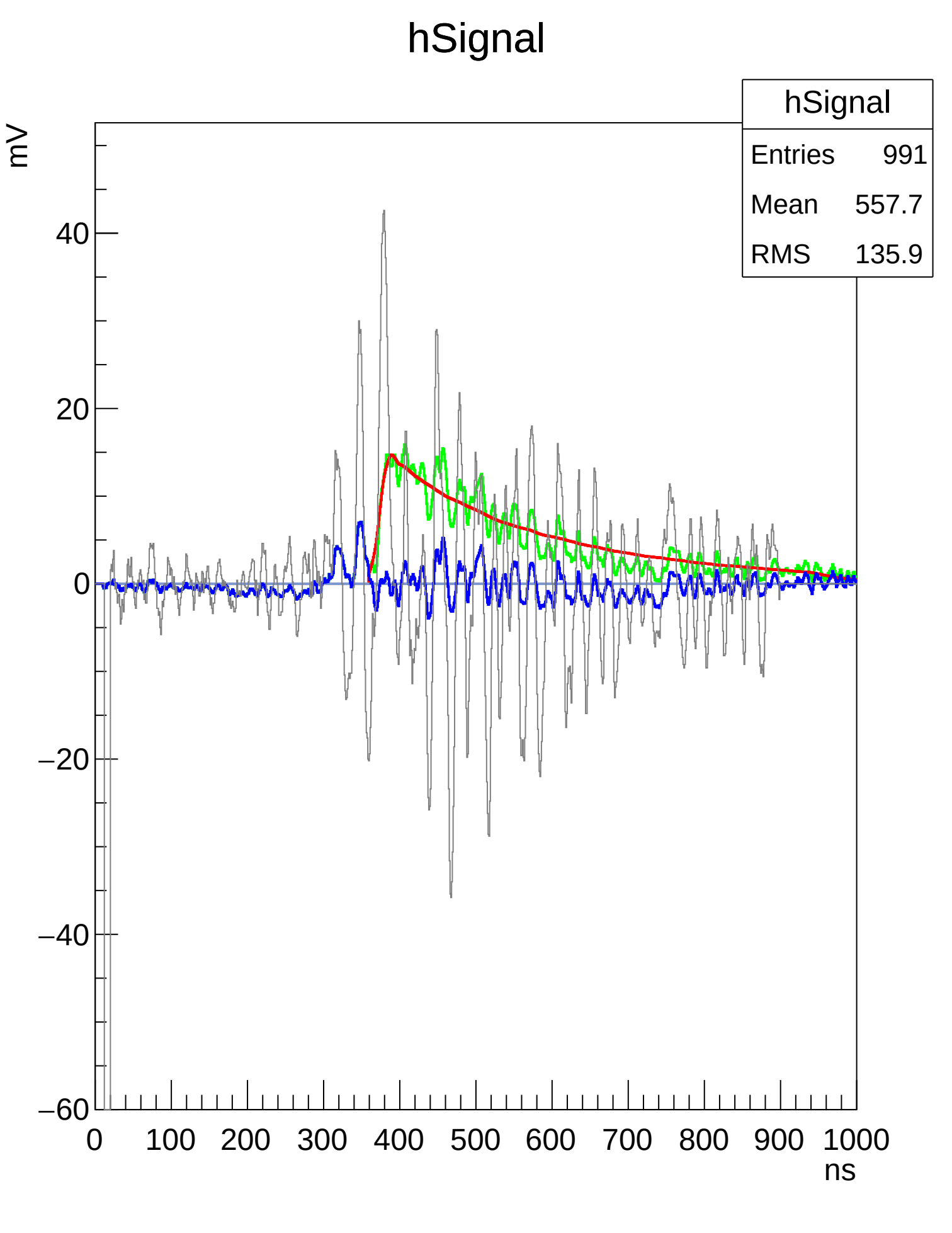
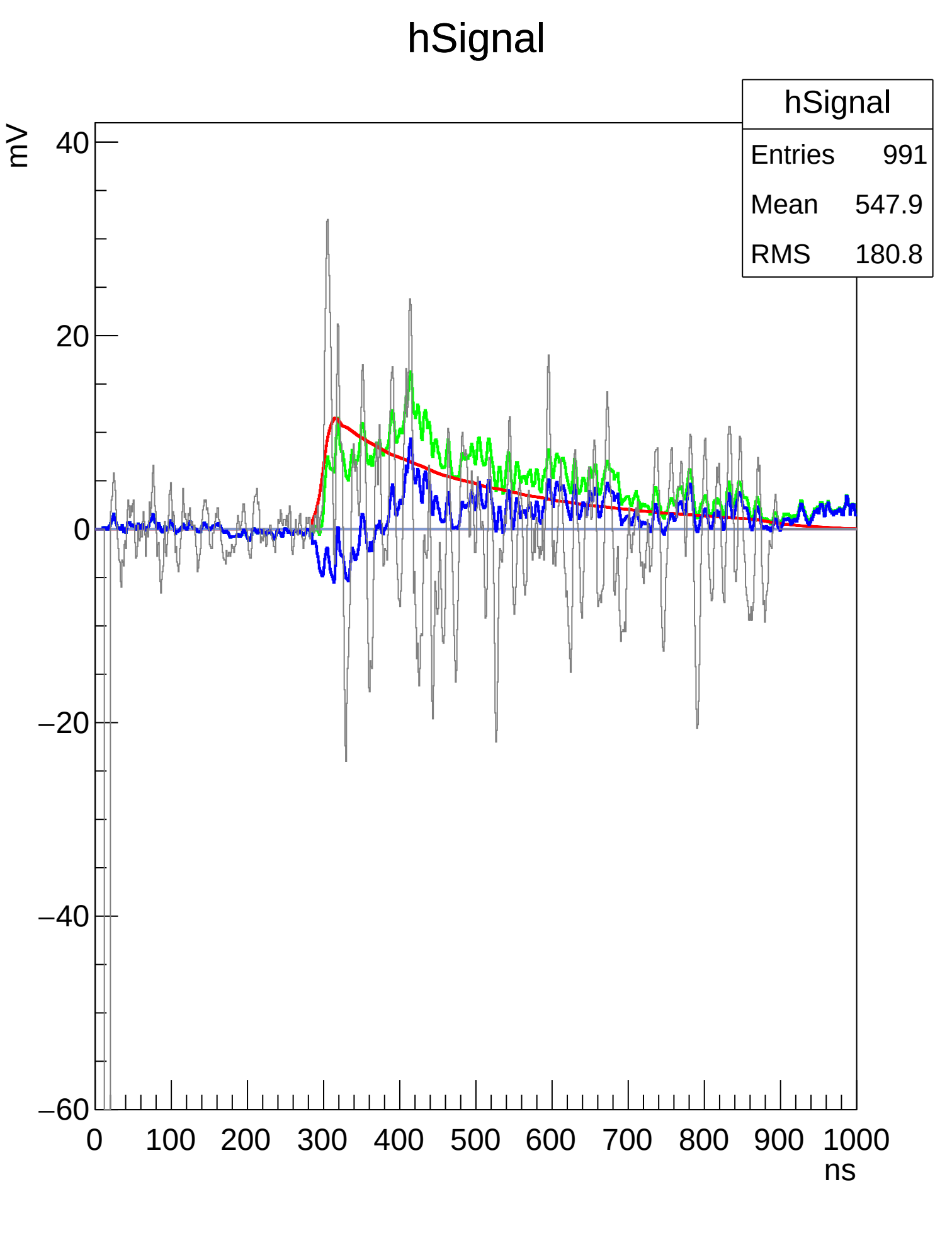
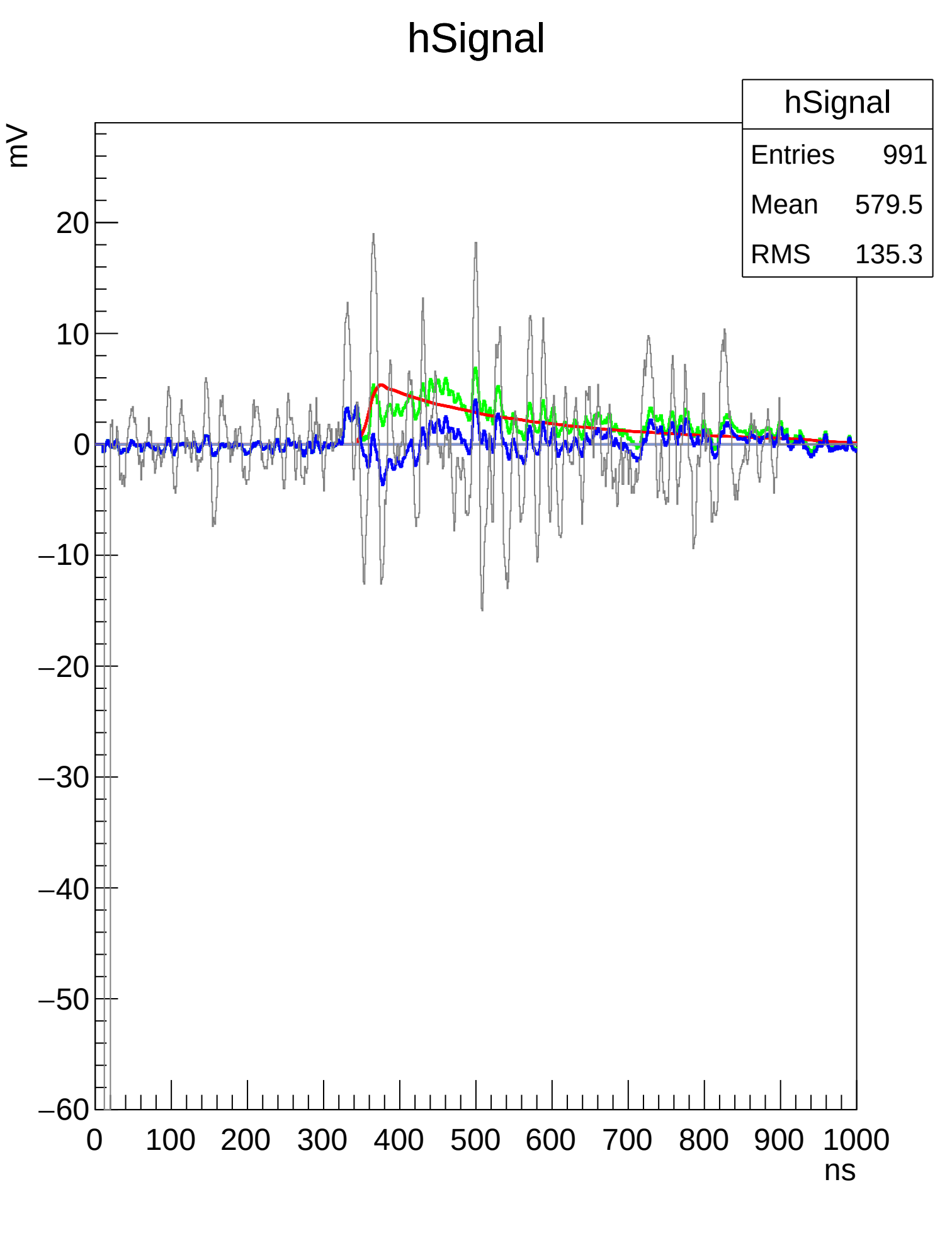
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.7
RMS 135.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.9
RMS 180.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.5
RMS 135.3
mV
20
10
0
−10
−20
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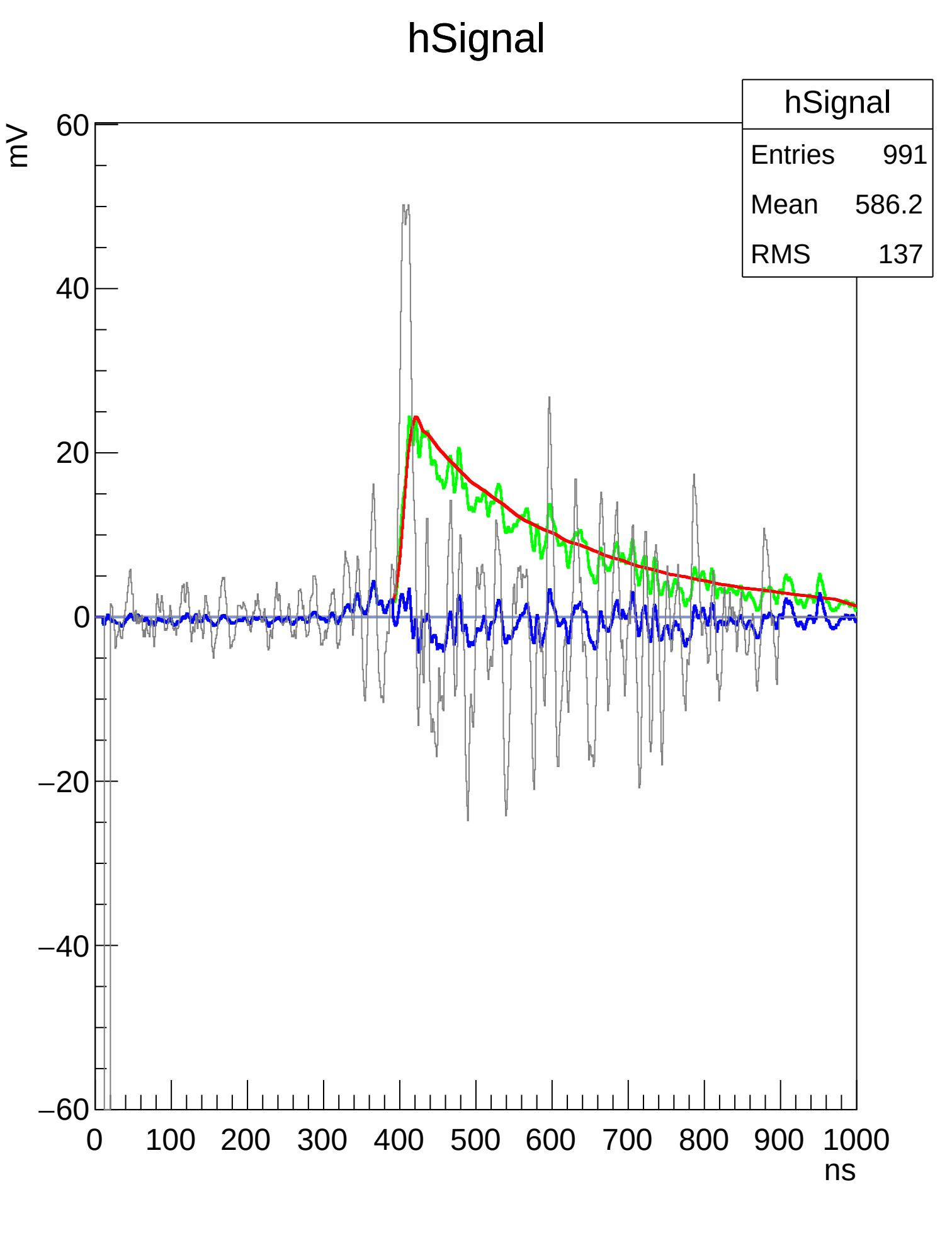
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.2
RMS 137
mV
60
40
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0
−20
−40
−60
0
100
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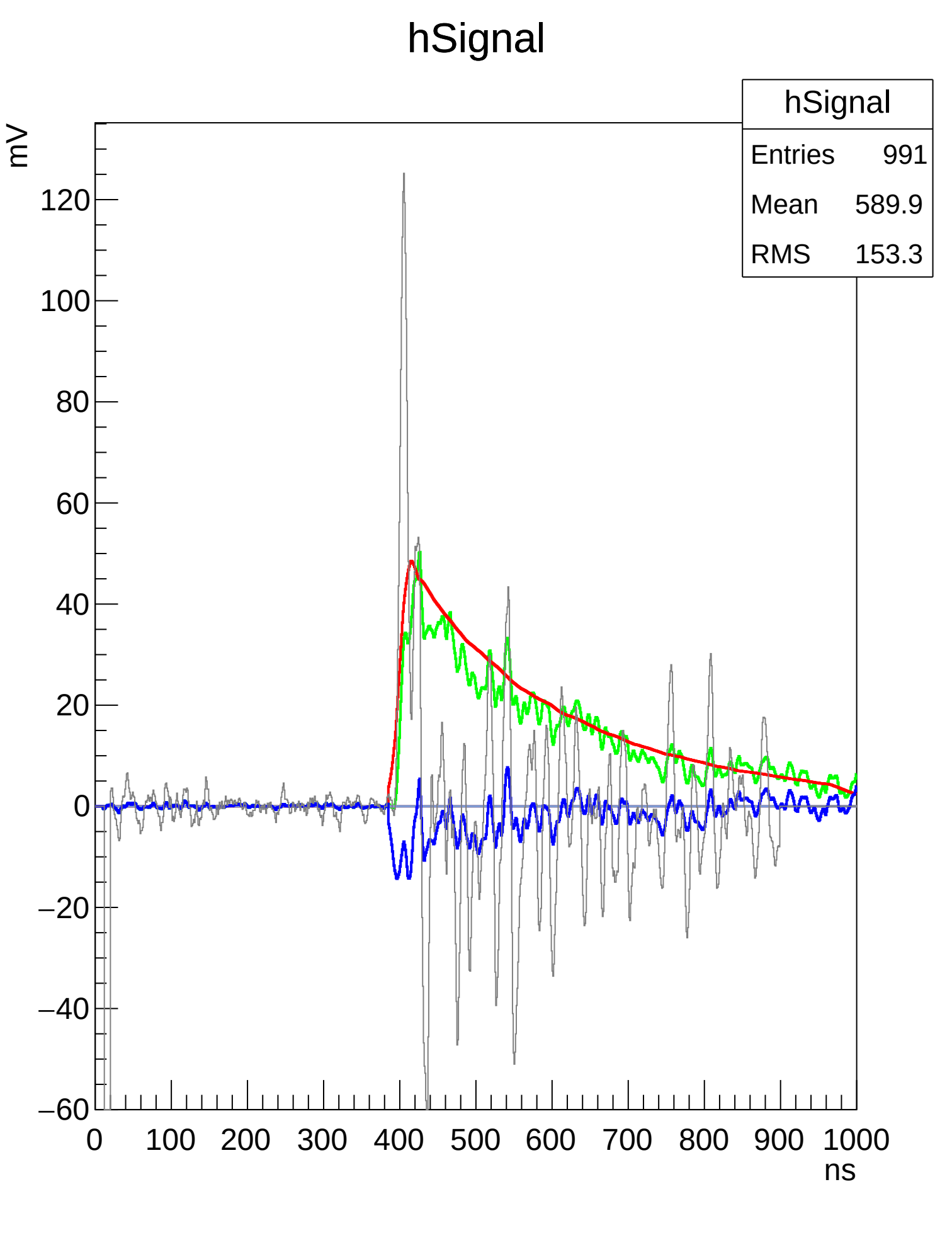
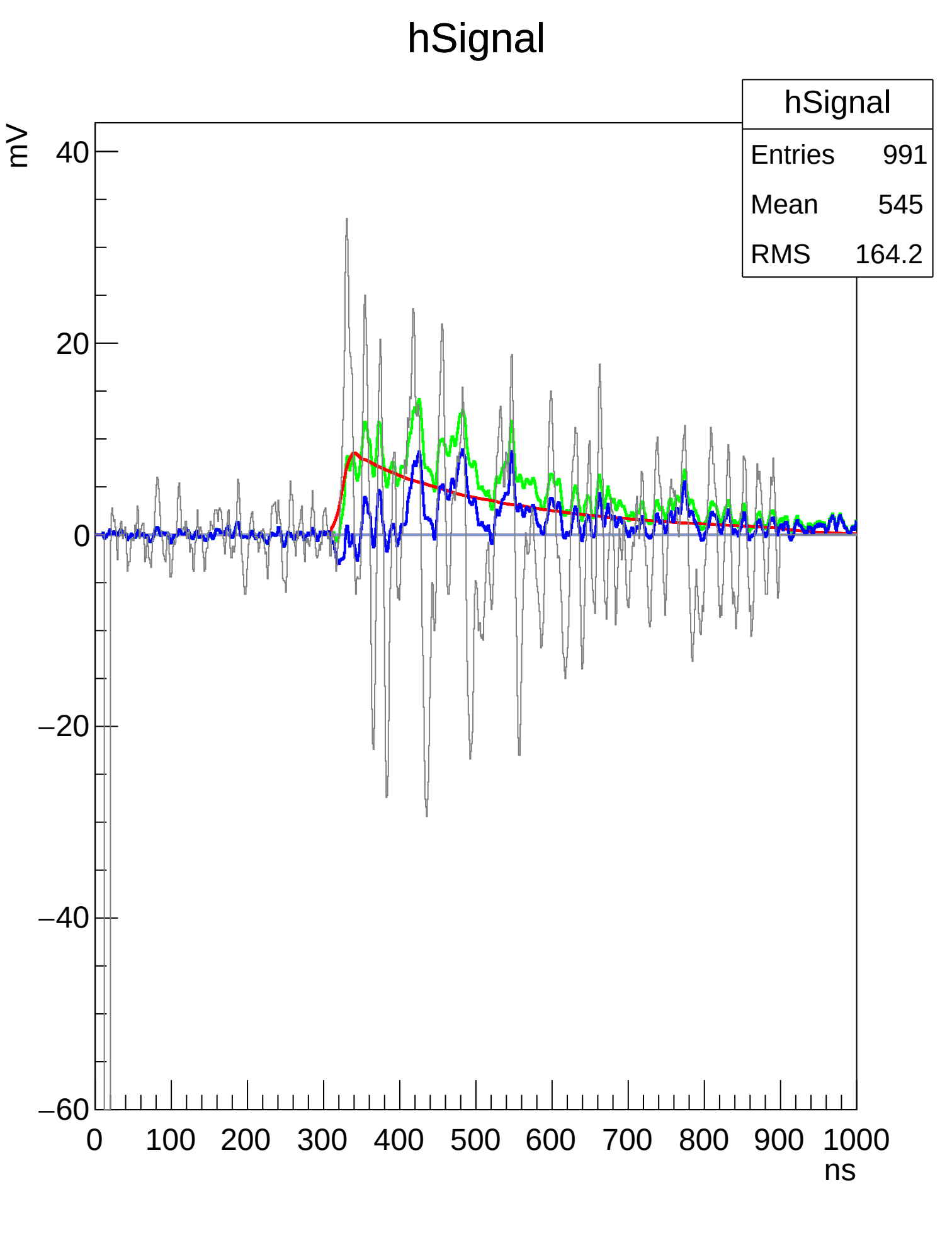
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.9
RMS 153.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545
RMS 164.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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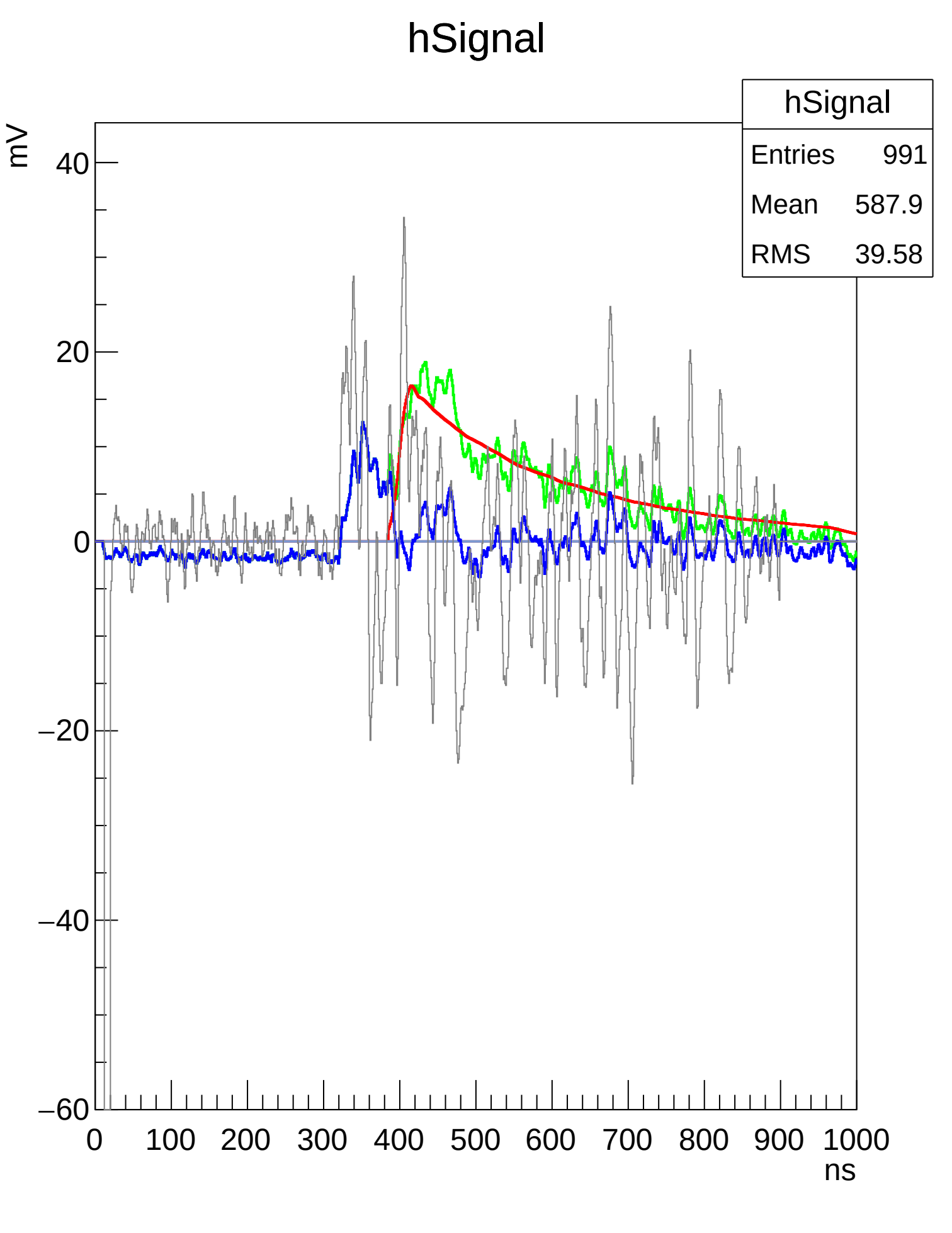
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.9
RMS 39.58
mV
40
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−20
−40
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0
100
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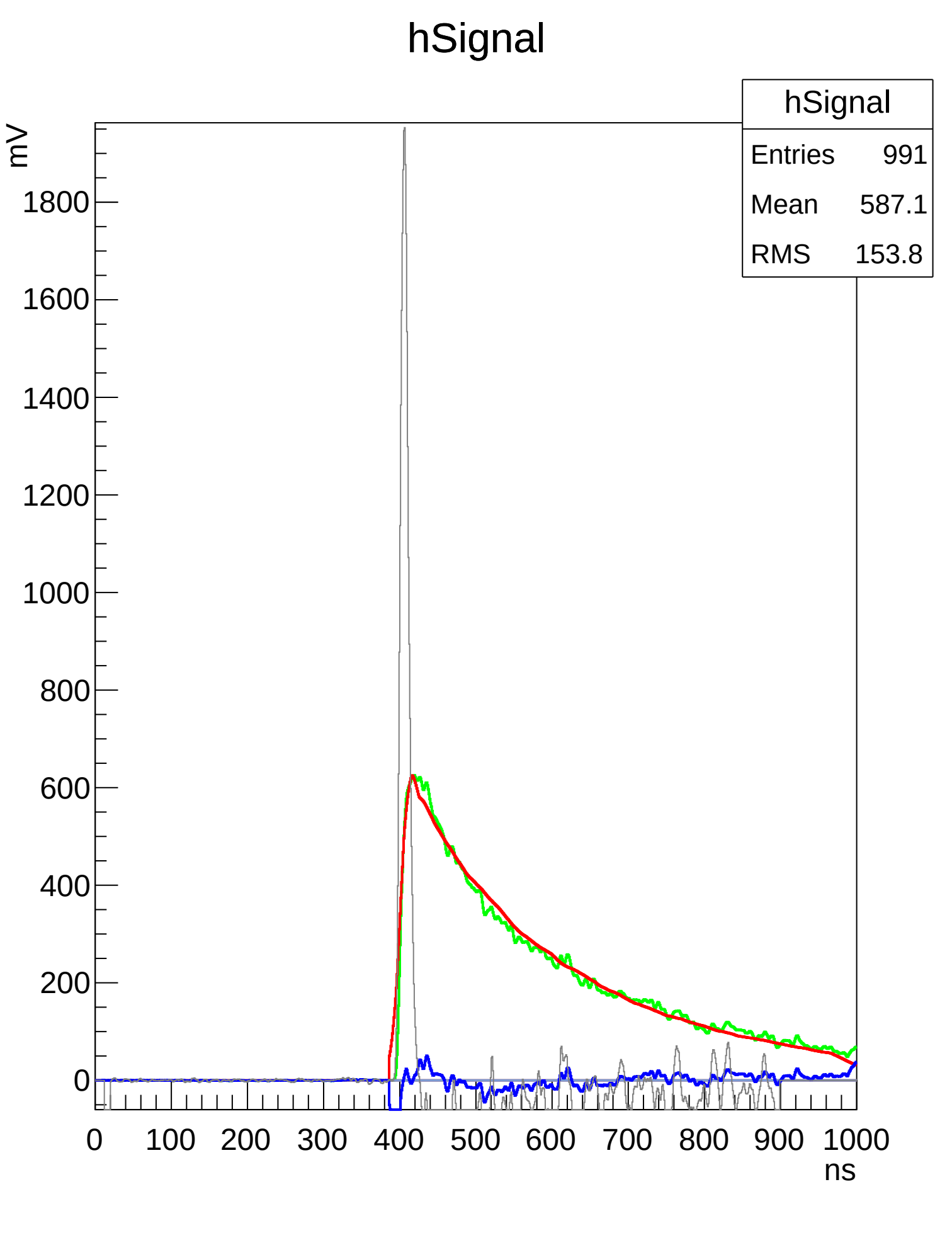
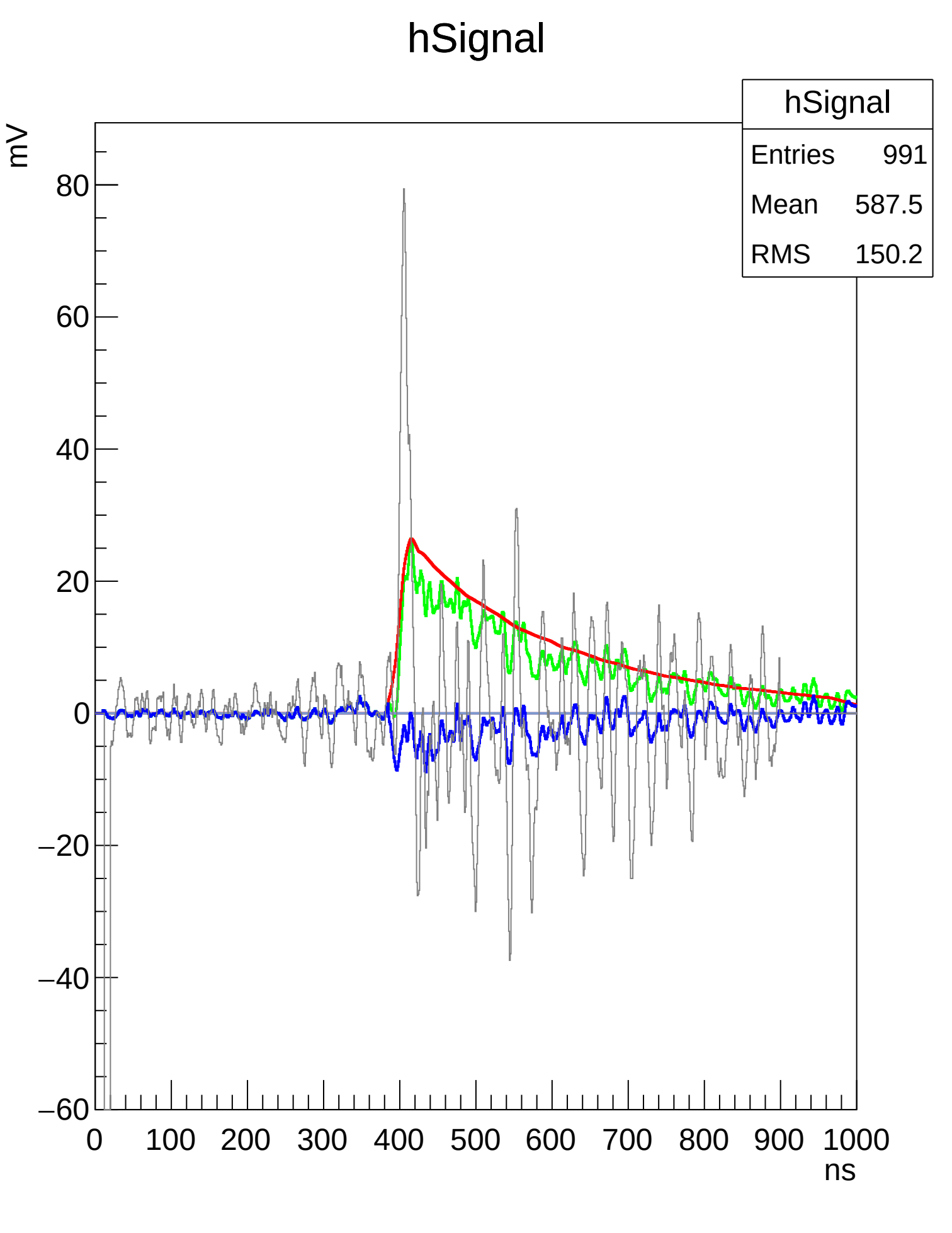
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.1
RMS 153.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 150.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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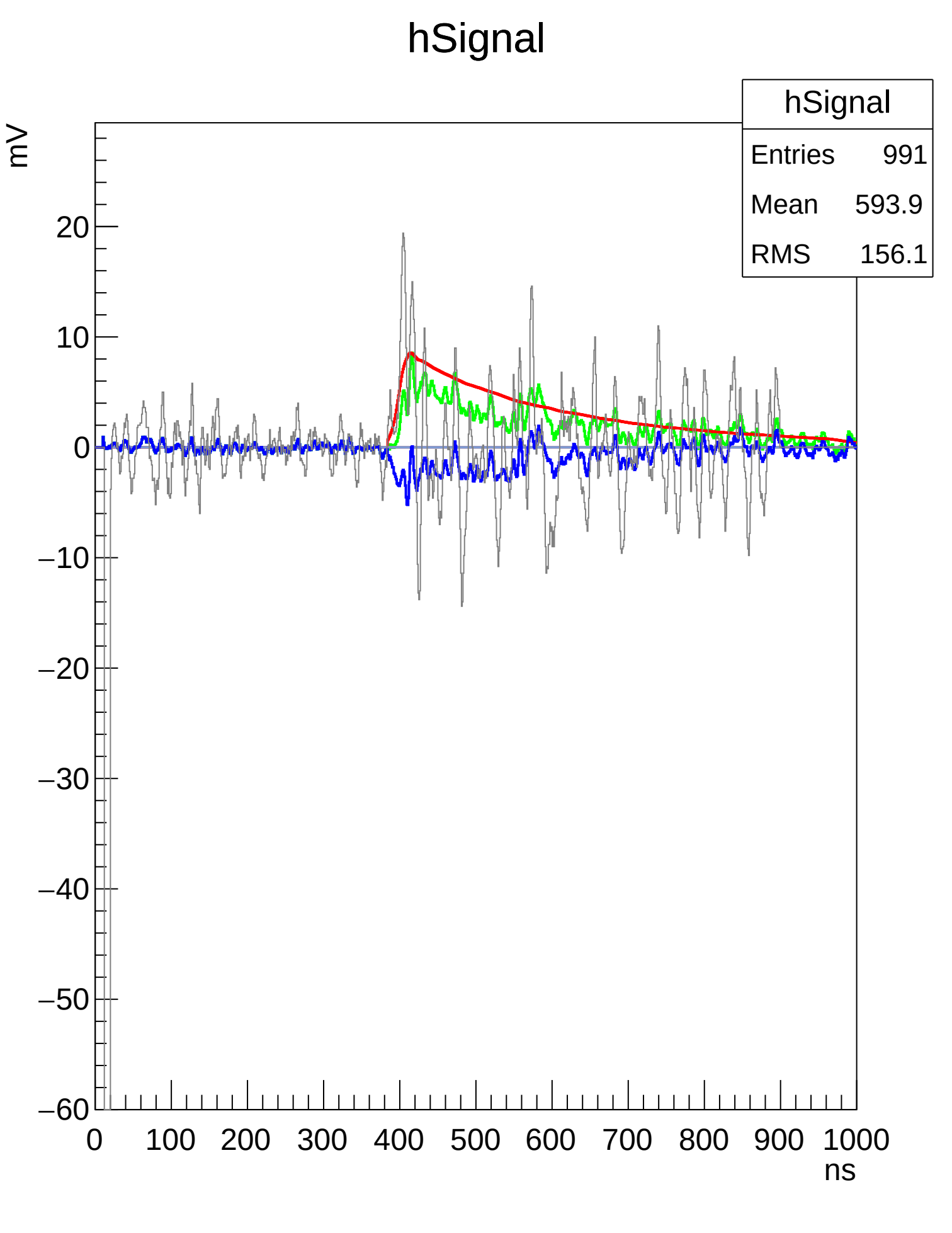
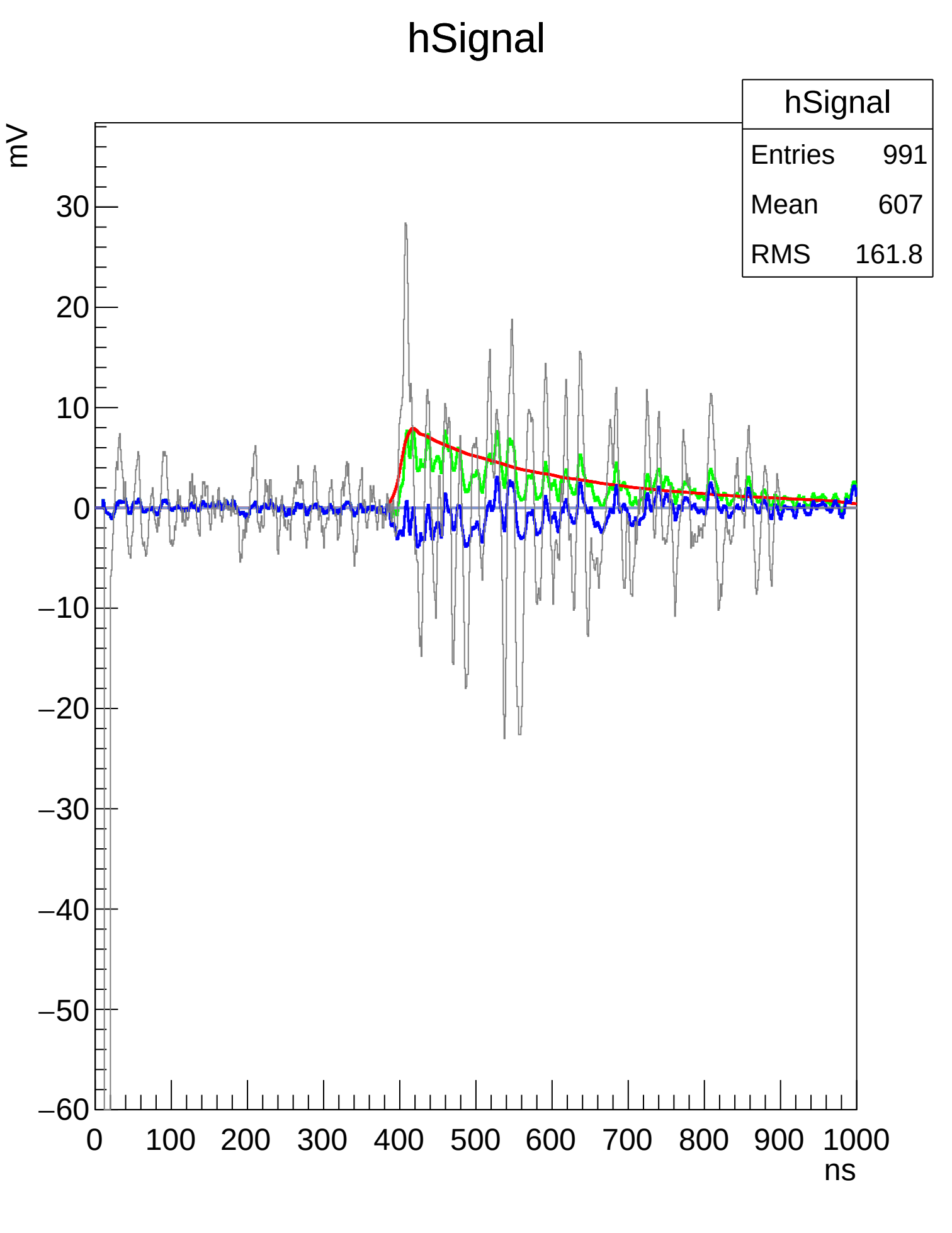
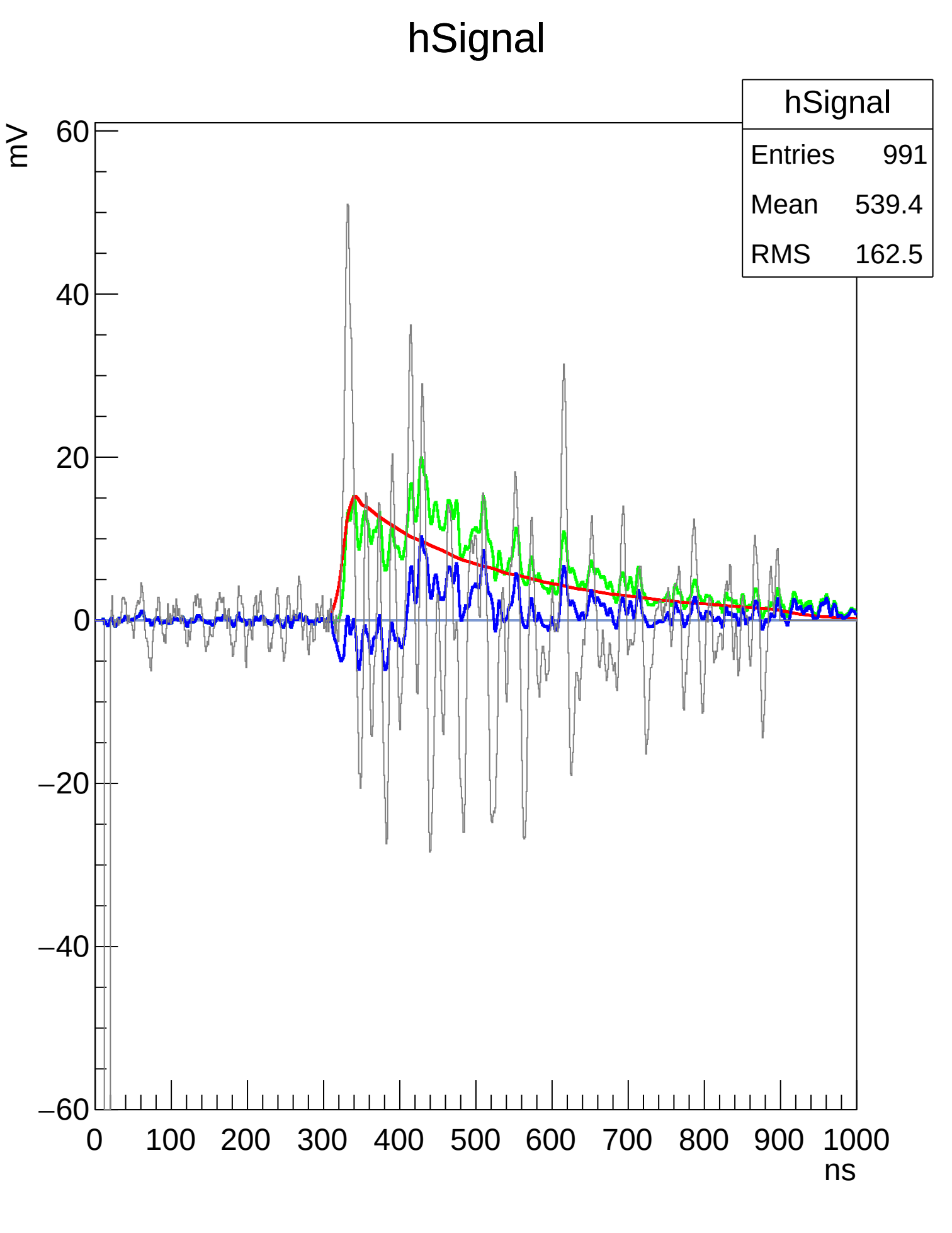
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.9
RMS 156.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607
RMS 161.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.4
RMS 162.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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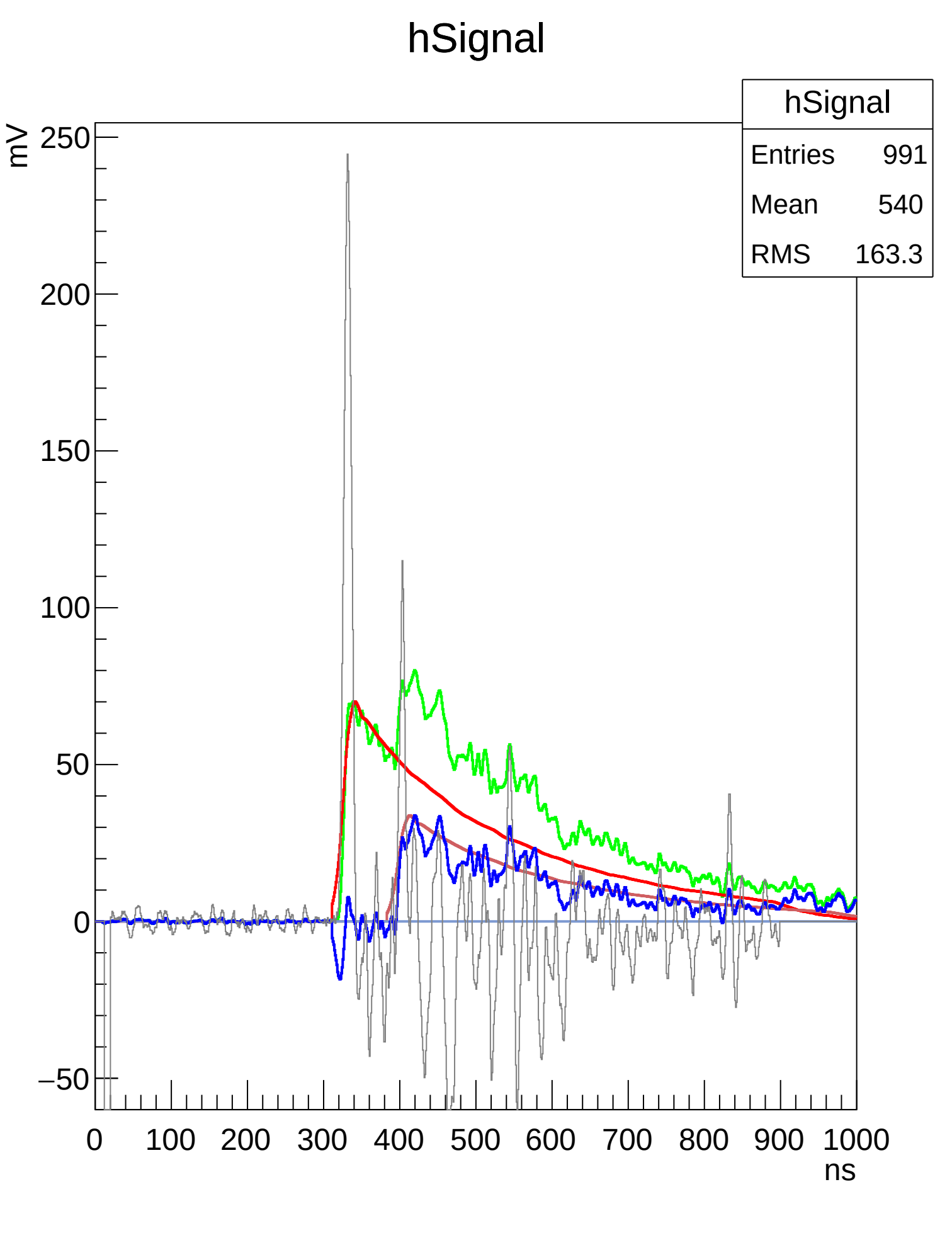
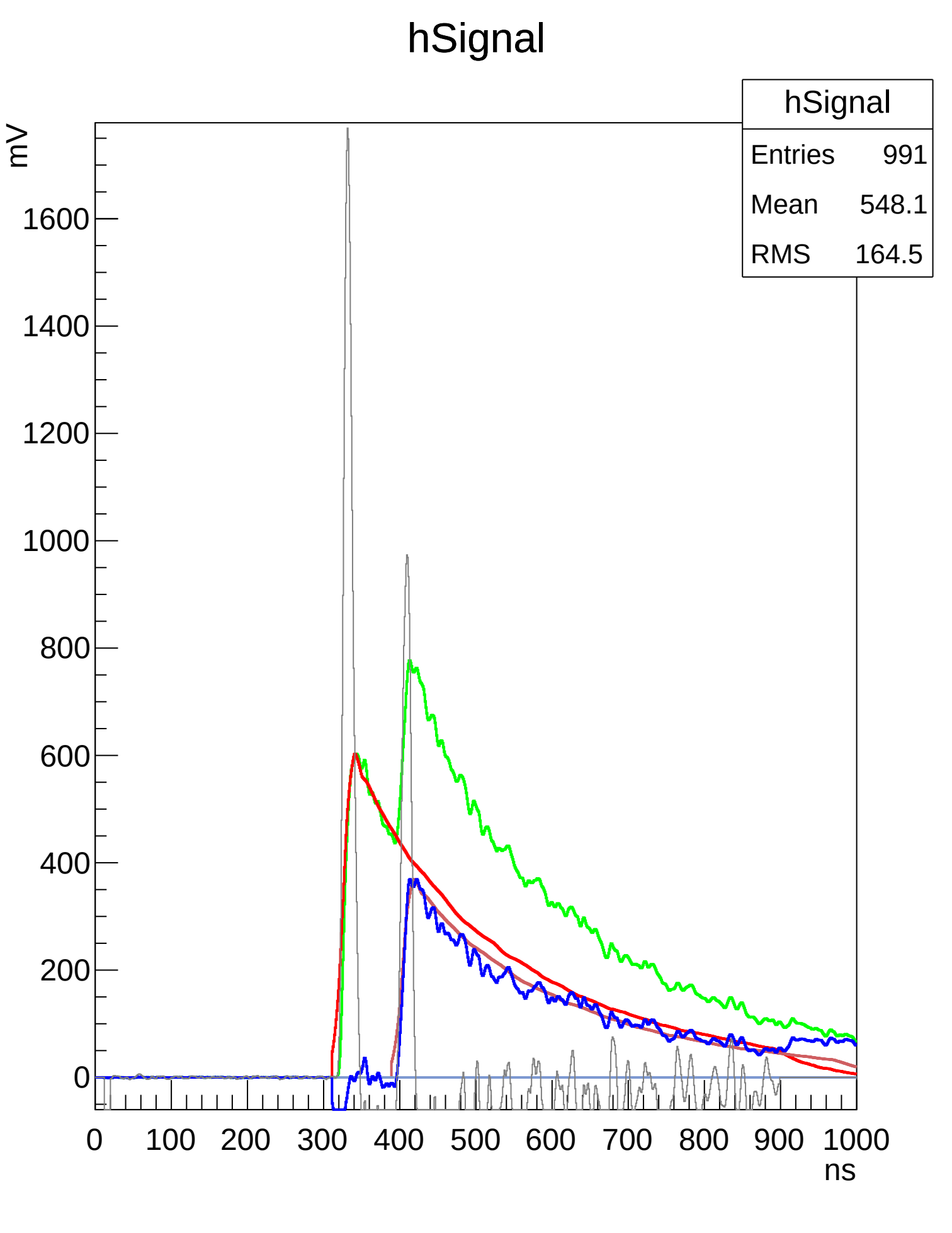
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540
RMS 163.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.1
RMS 164.5
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
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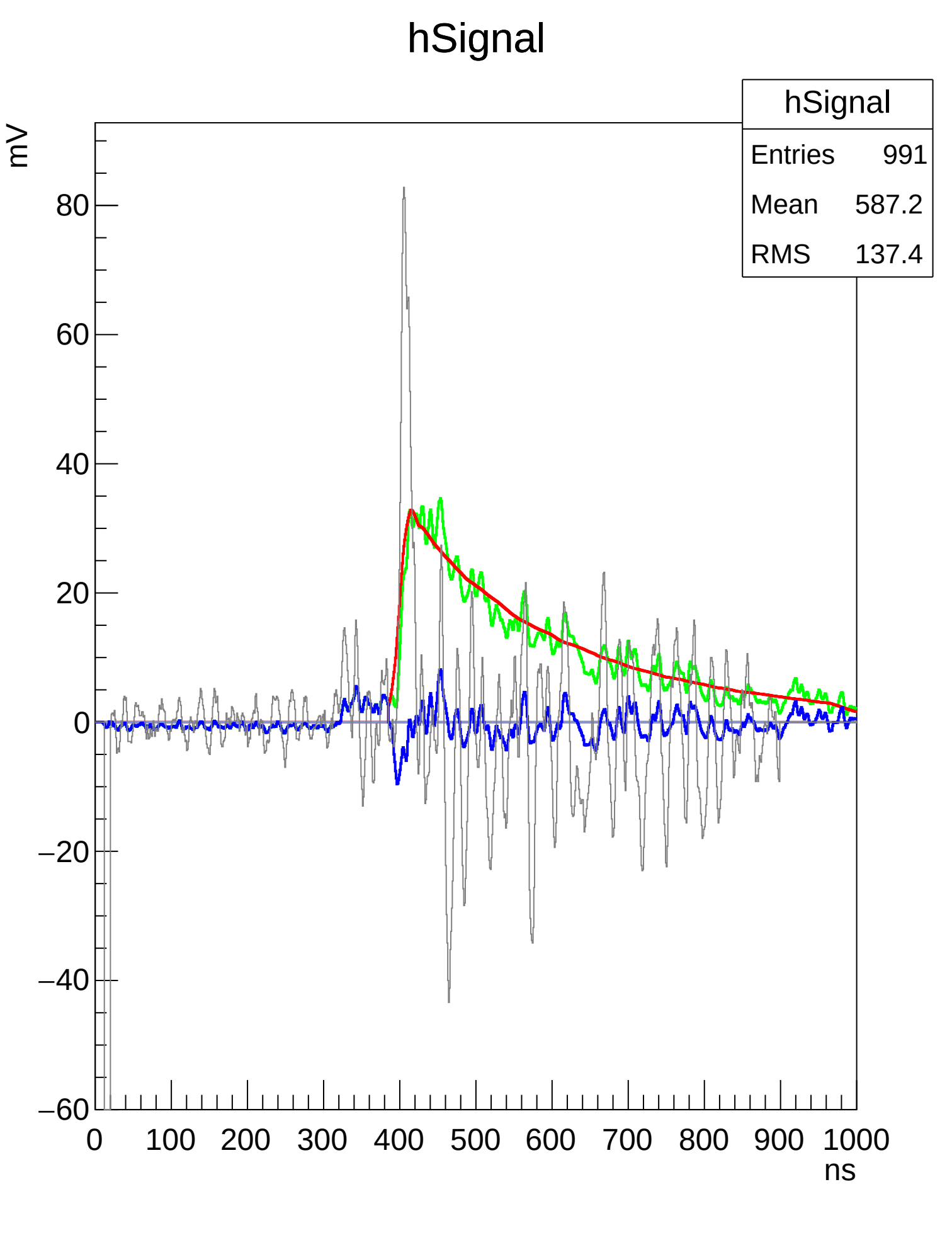
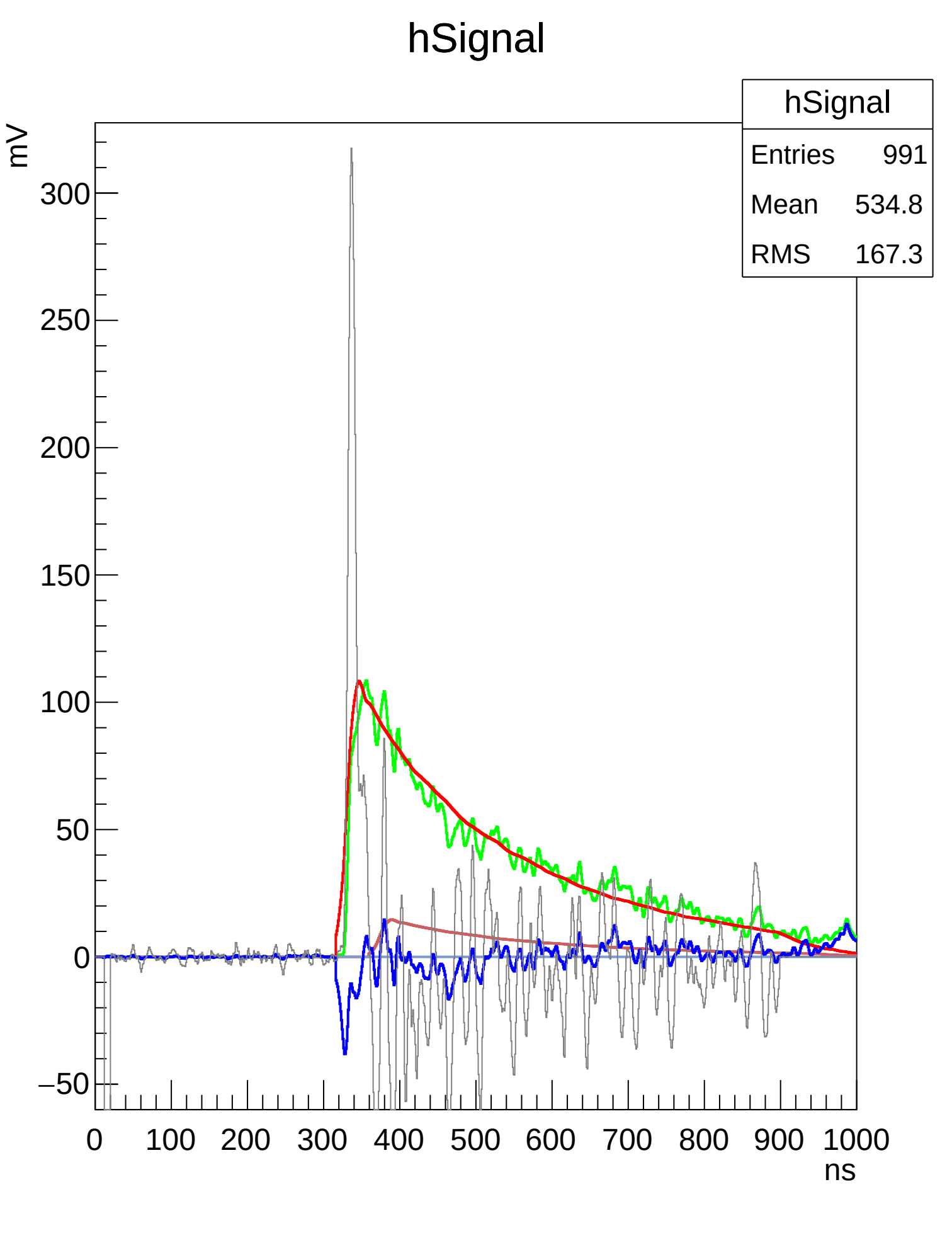
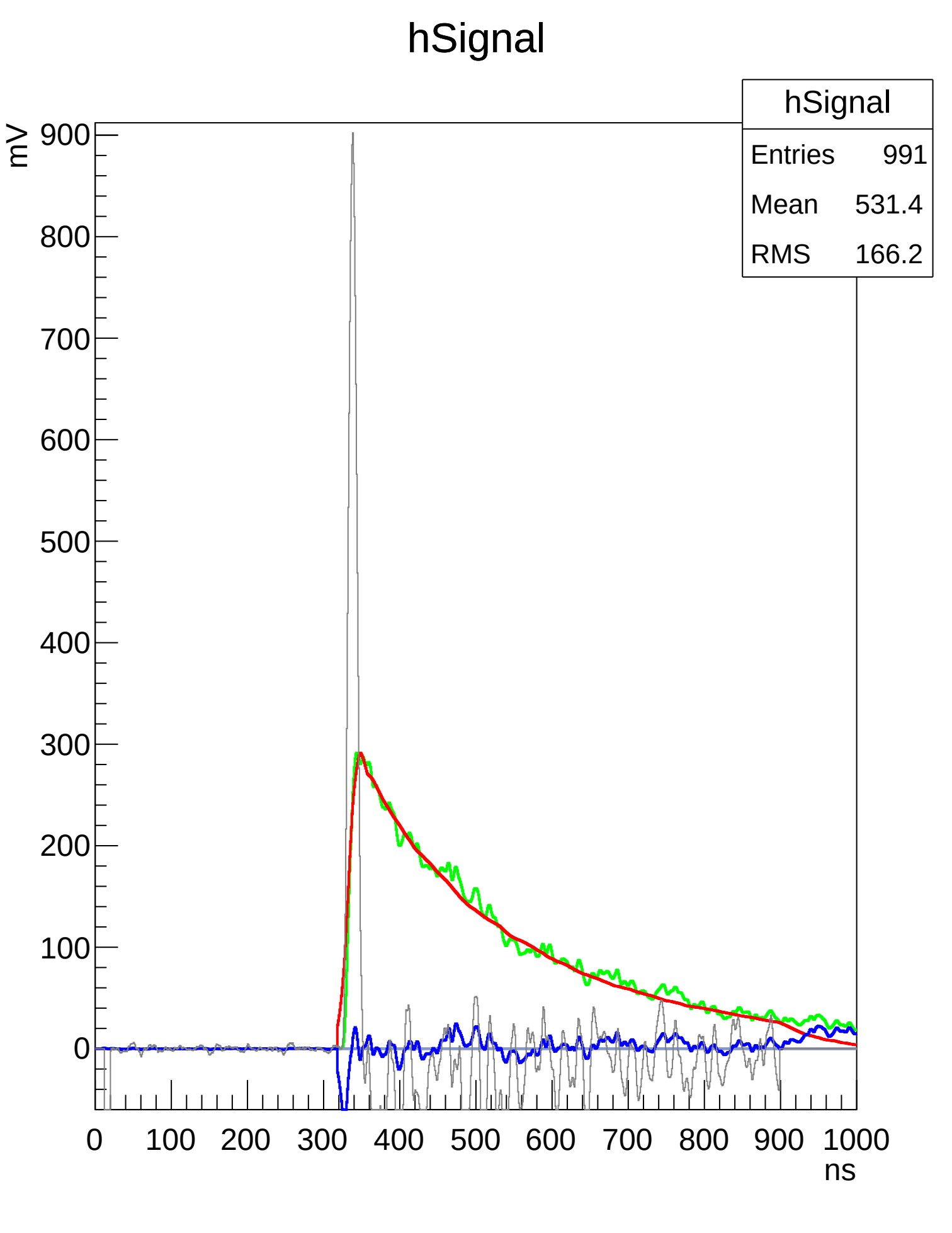
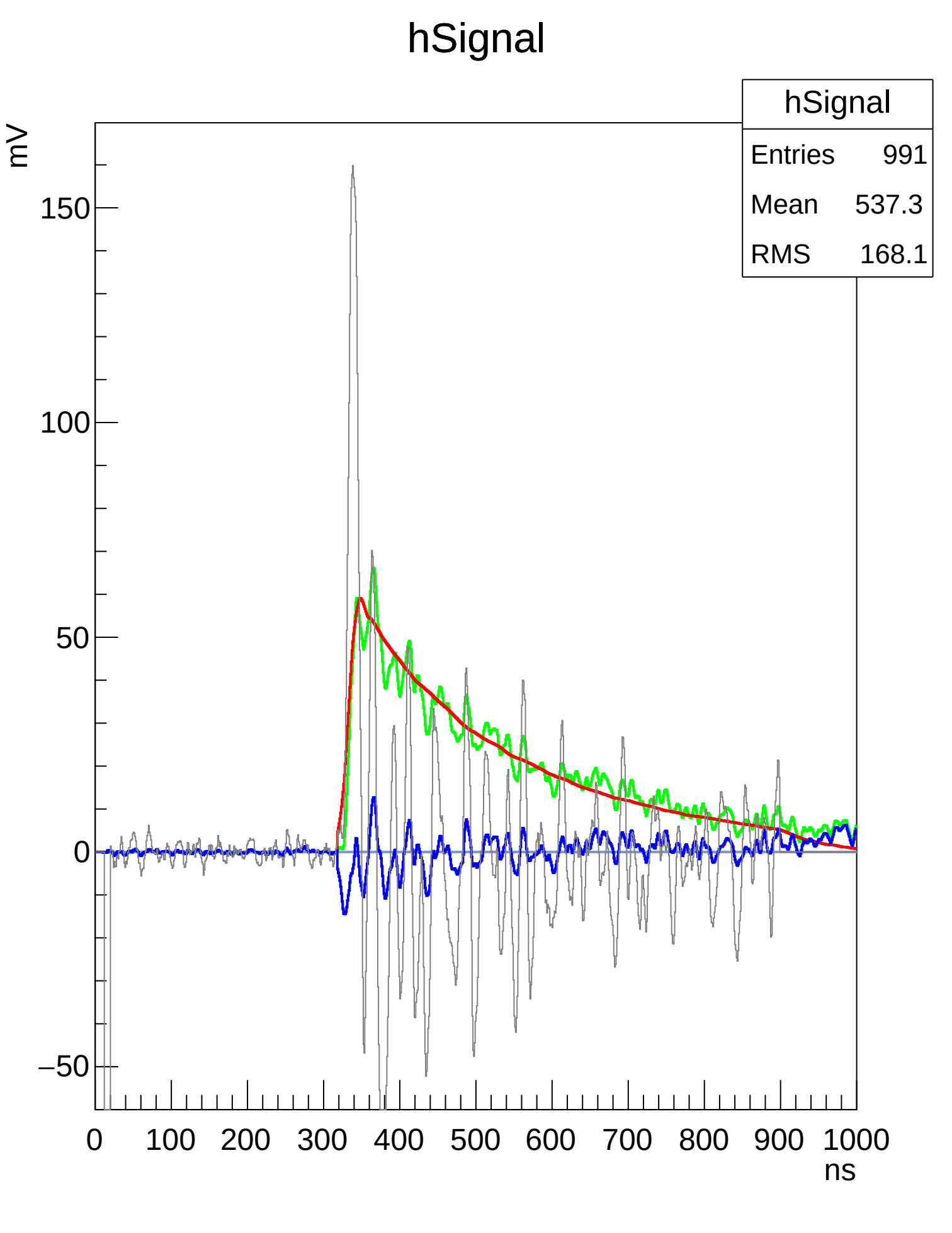
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.2
RMS 137.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.8
RMS 167.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.4
RMS 166.2
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 168.1
mV
150
100
50
0
−50
0
100
200
300
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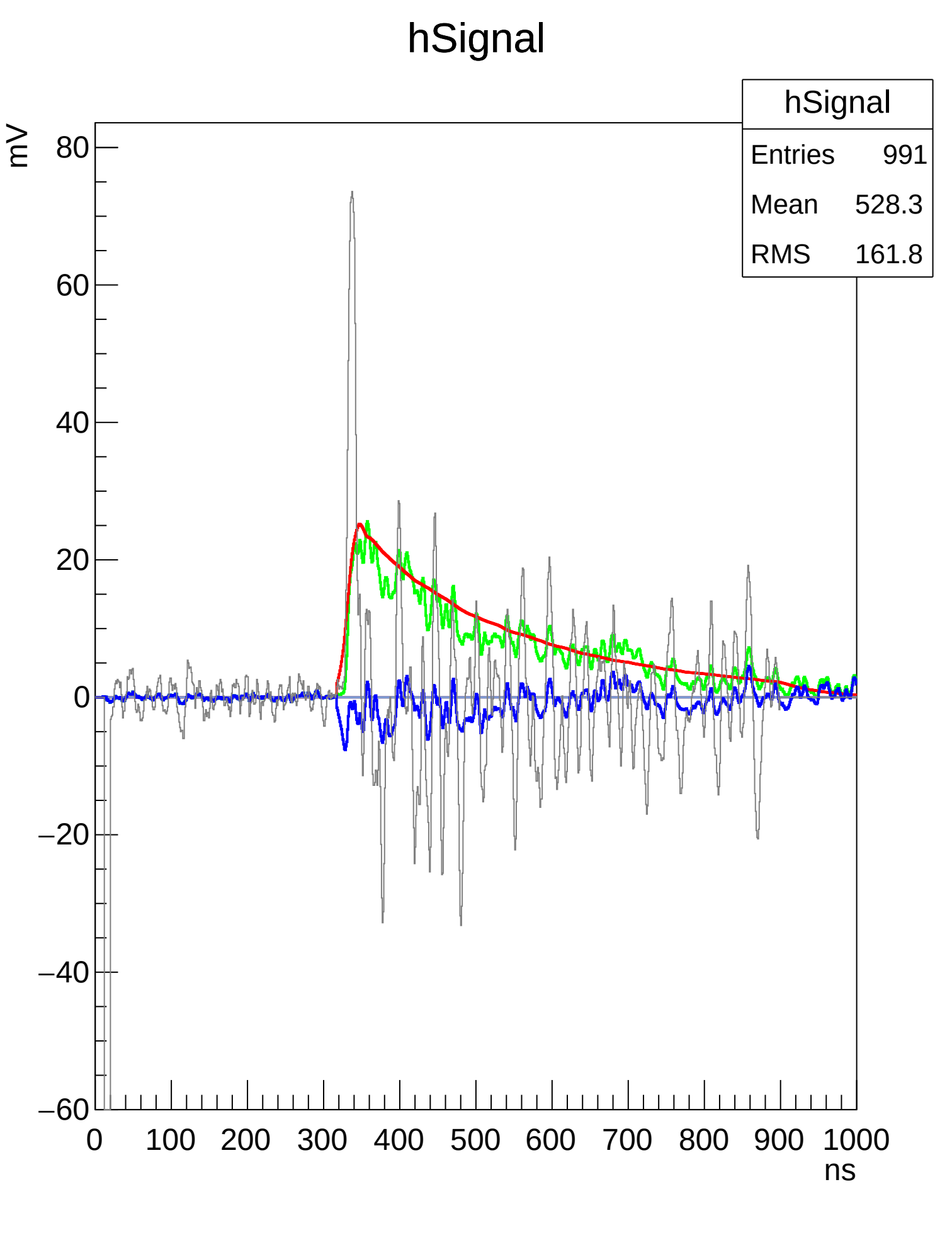
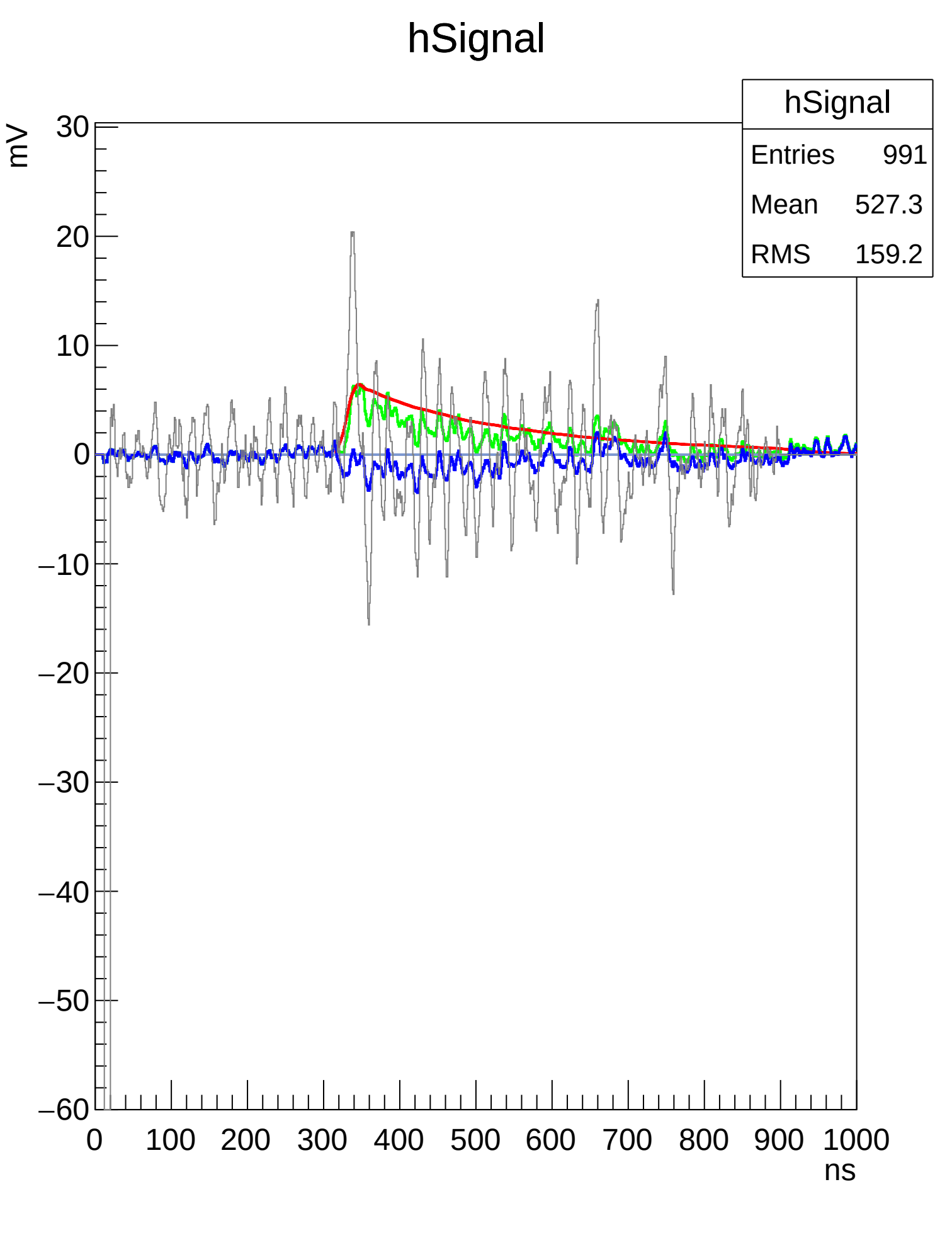
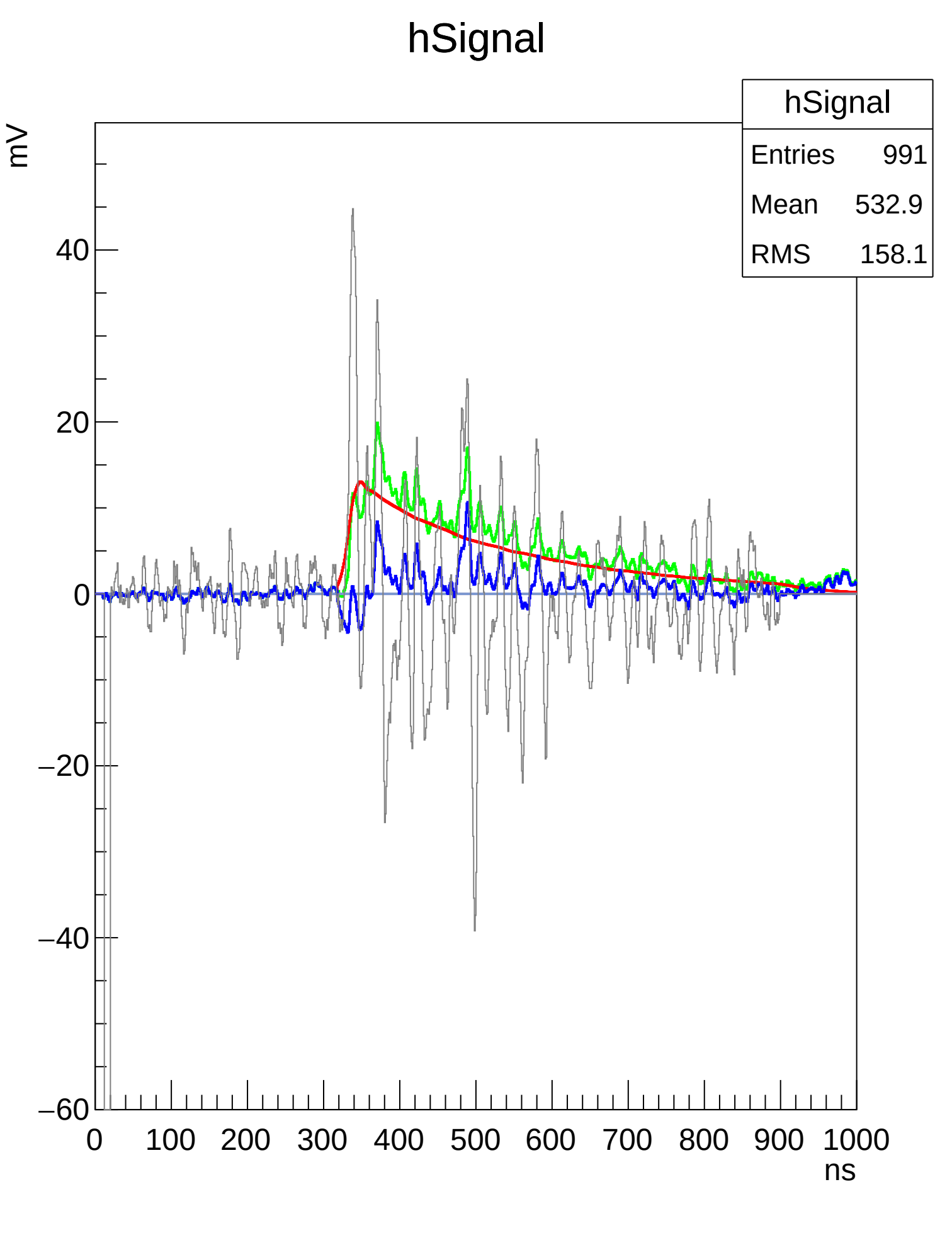
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.3
RMS 161.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.3
RMS 159.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.9
RMS 158.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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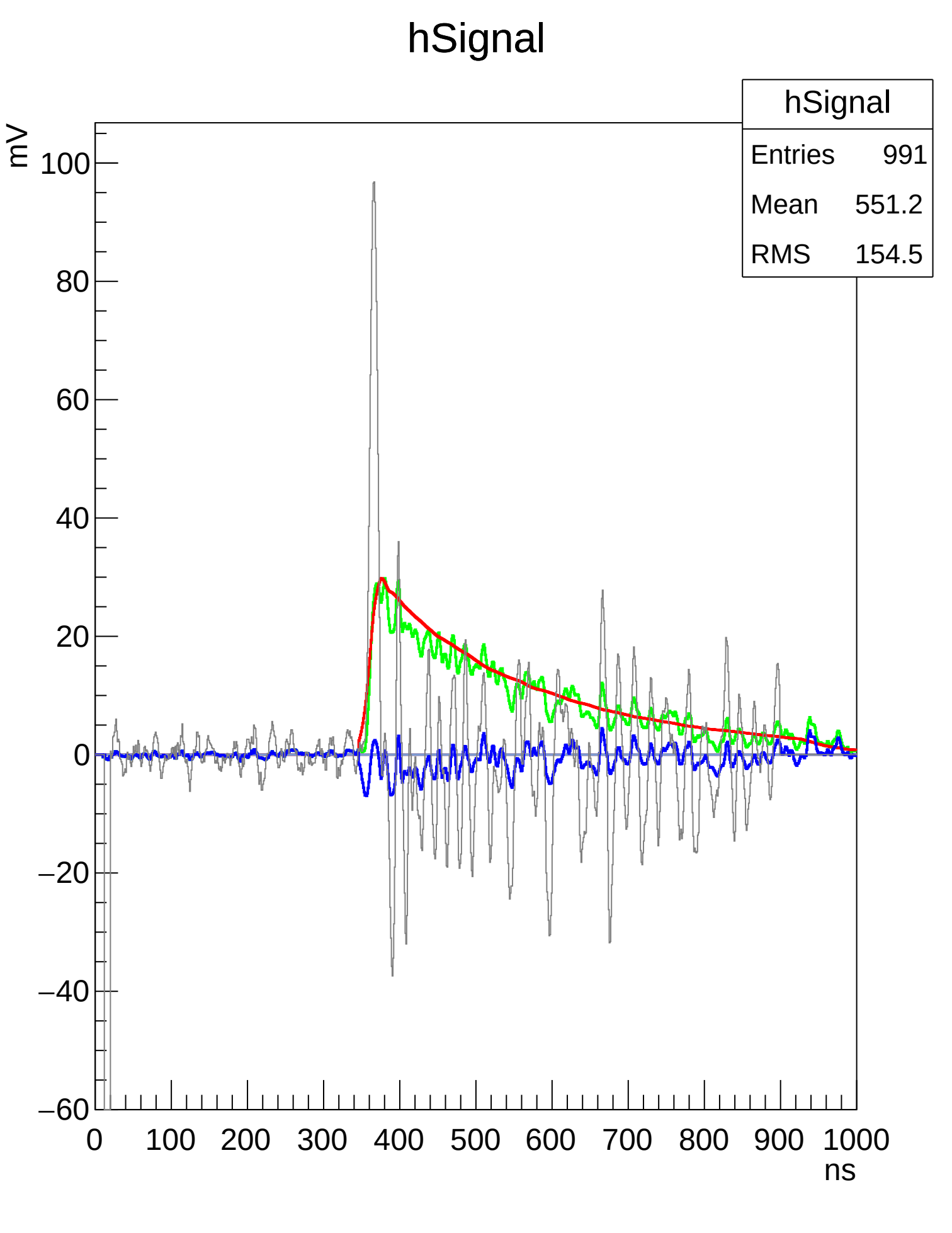
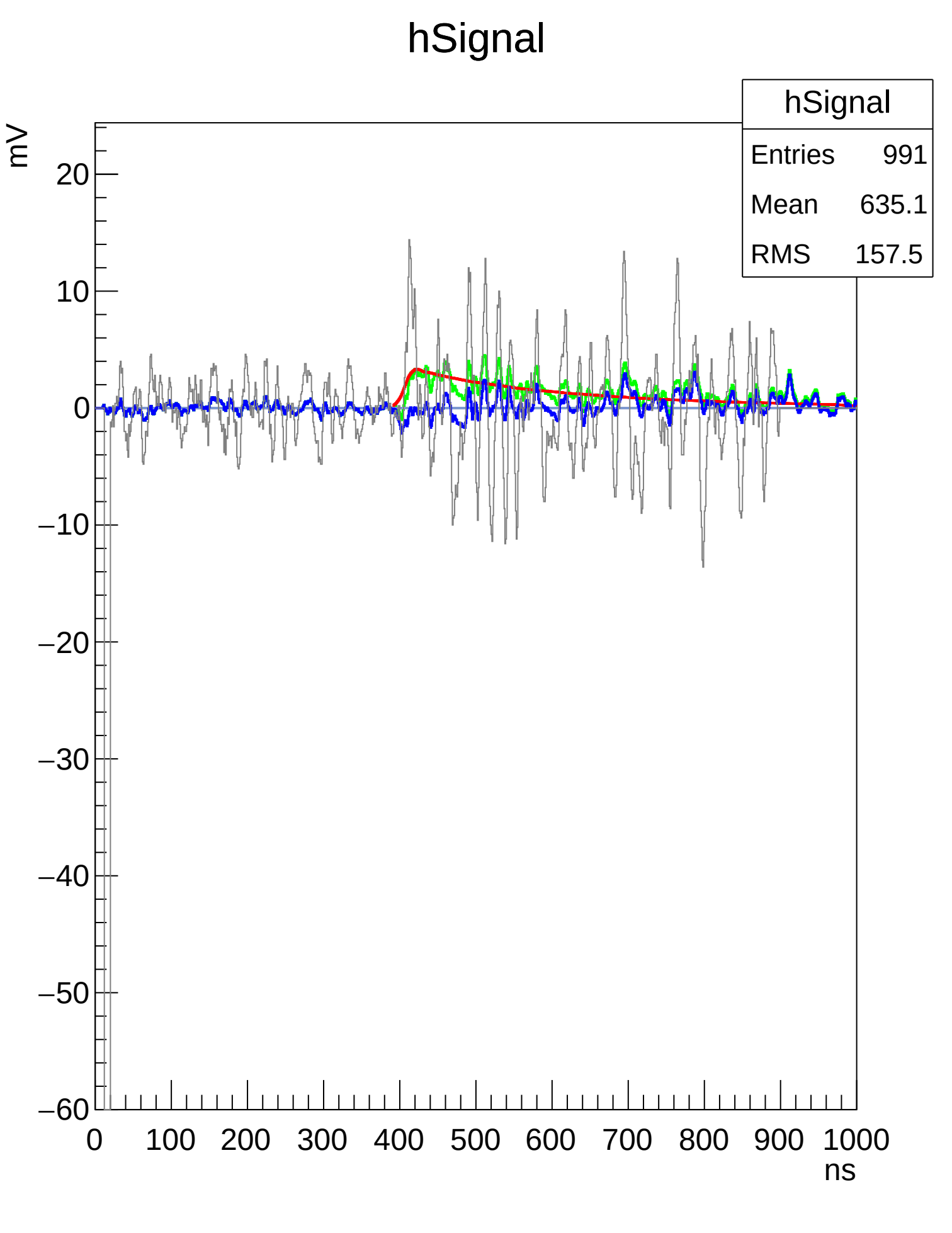
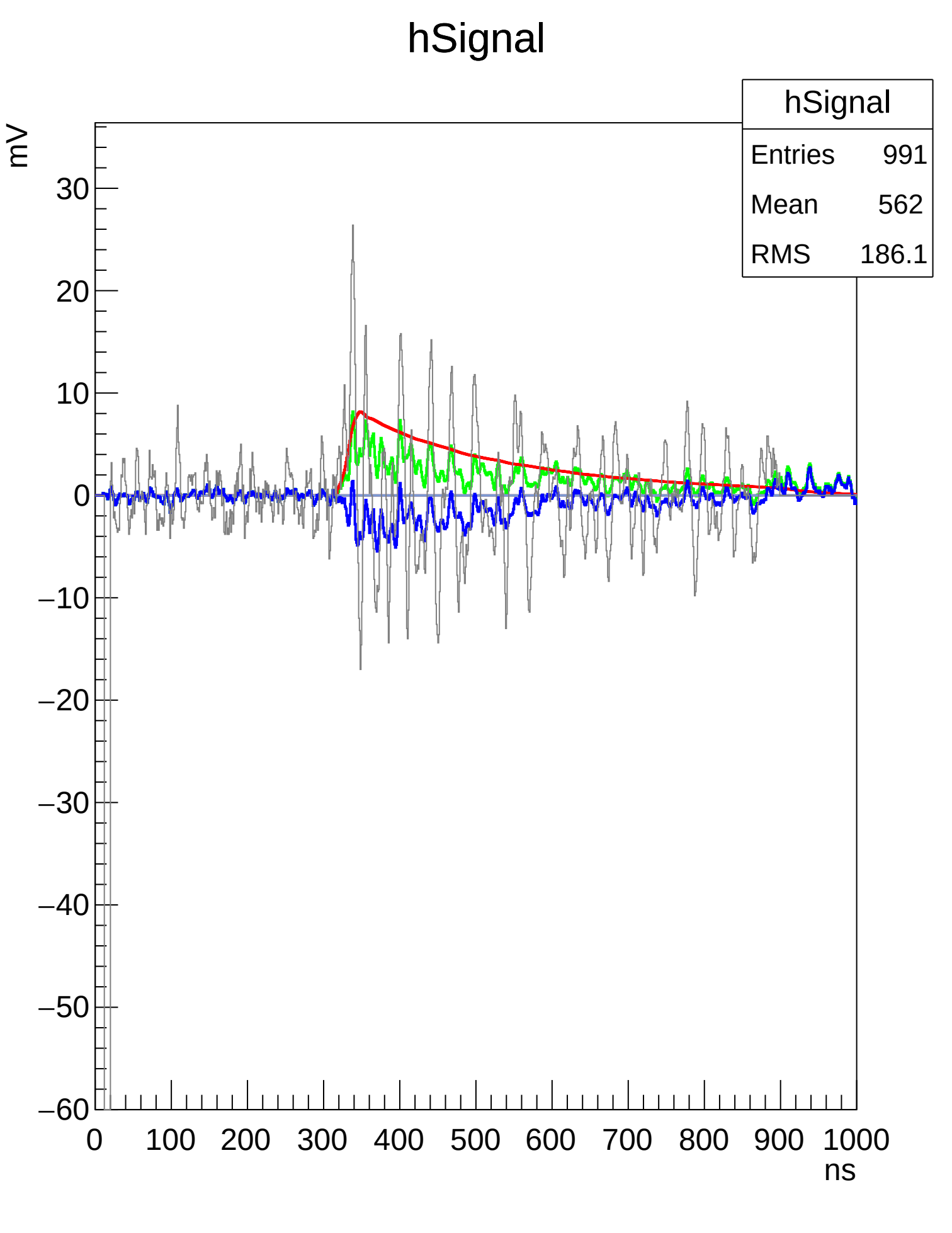
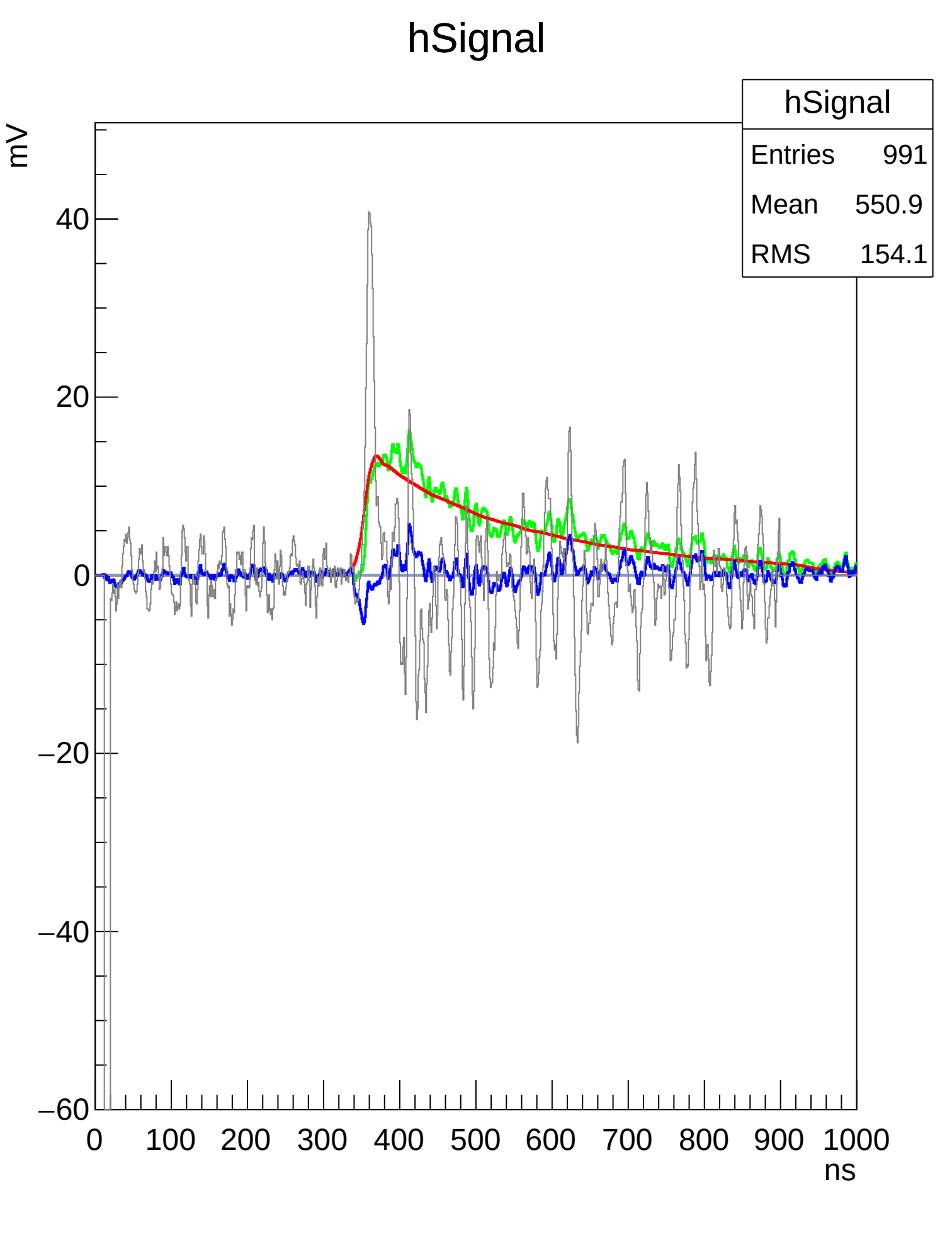
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.2
RMS 154.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 635.1
RMS 157.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562
RMS 186.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.9
RMS 154.1
mV
40
20
0
−20
−40
−60
0
100
200
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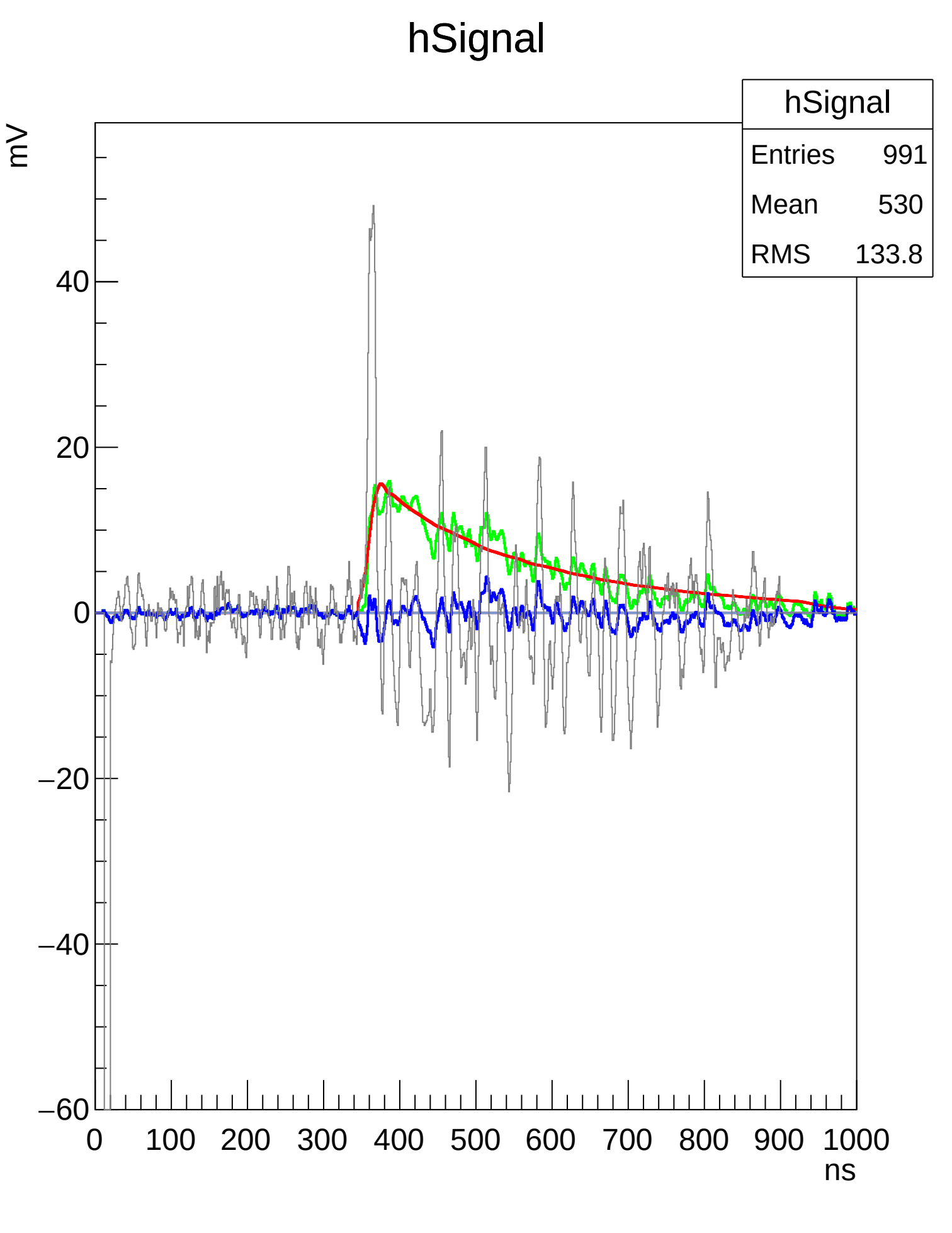
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530
RMS 133.8
mV
40
20
0
−20
−40
−60
0
100
200
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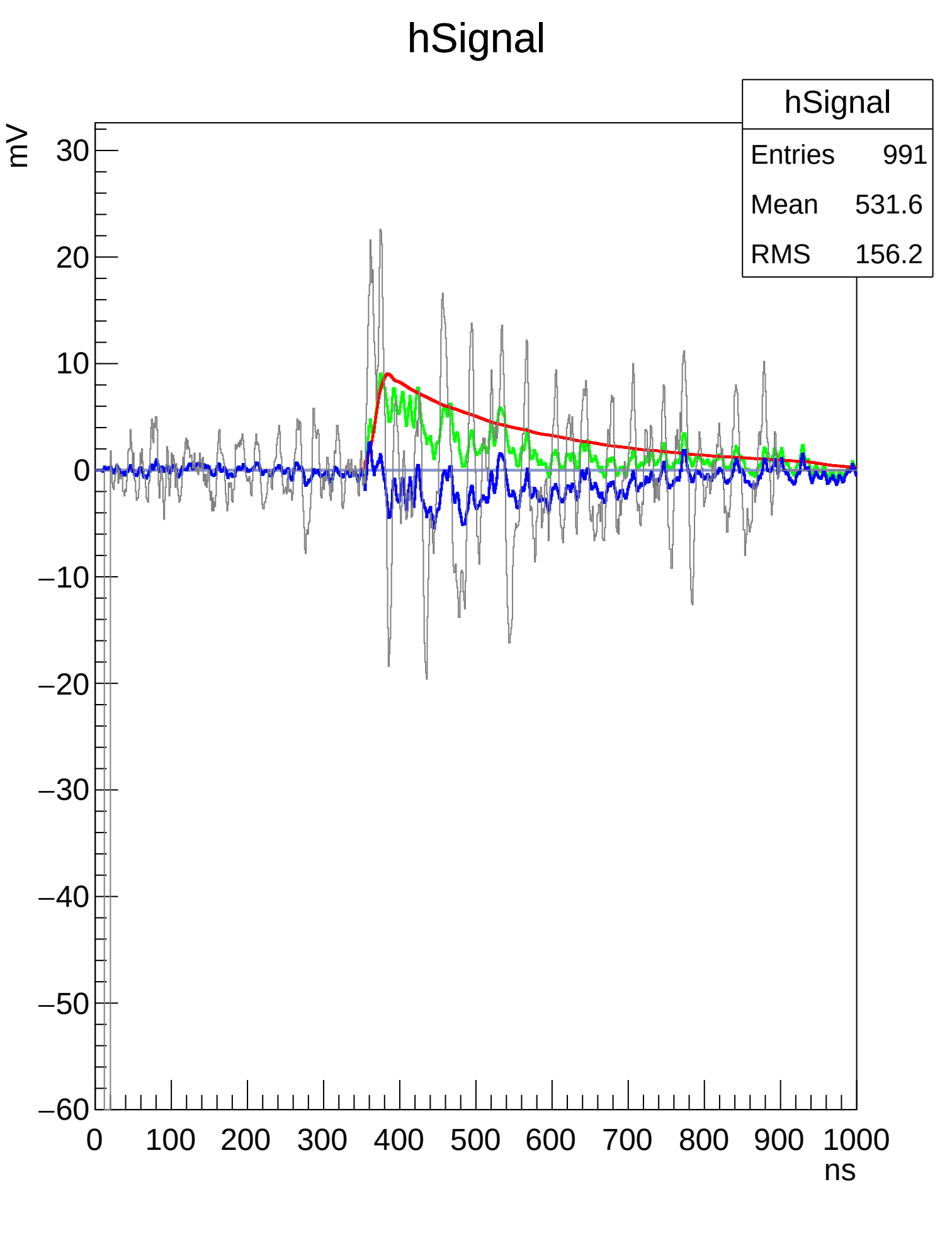
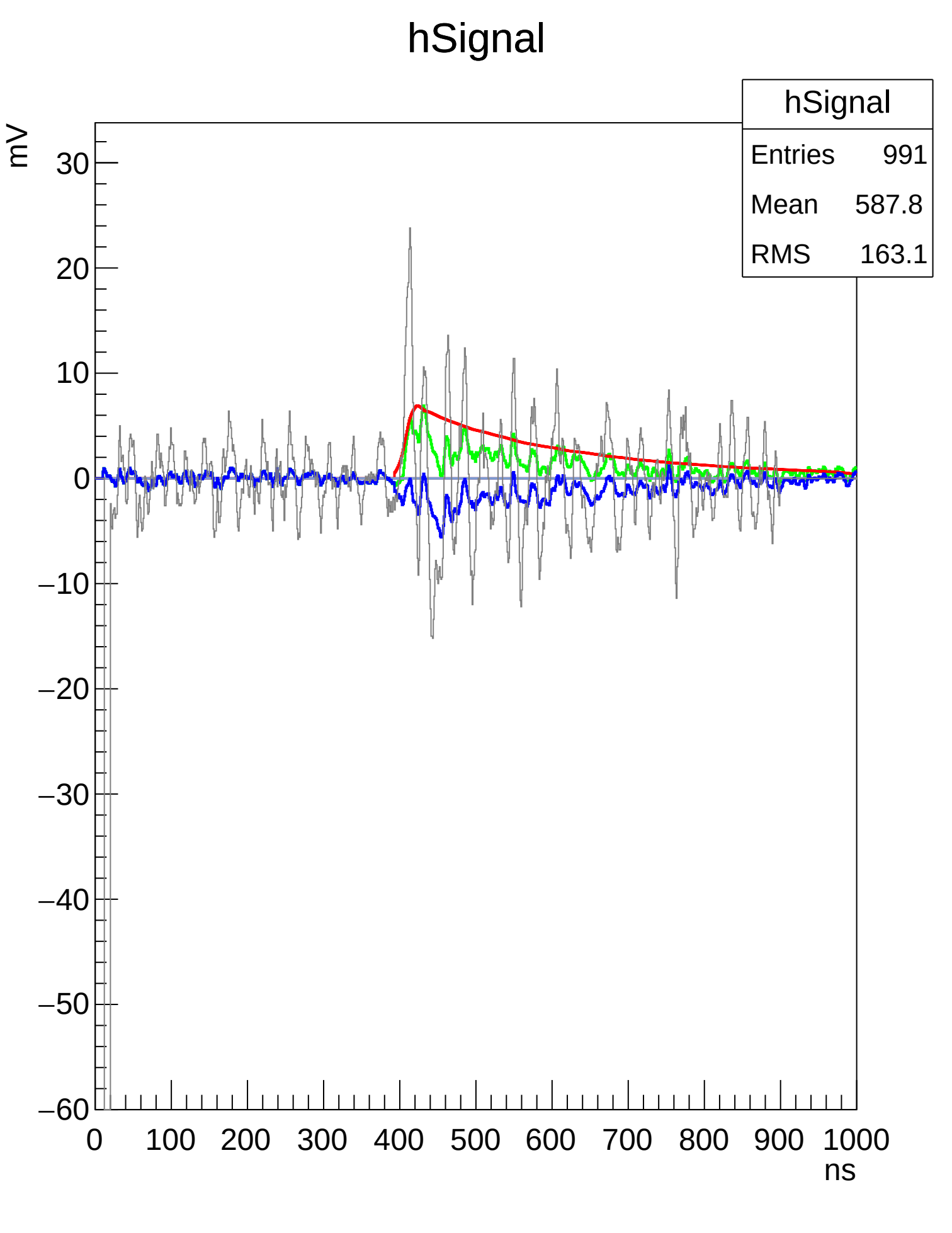
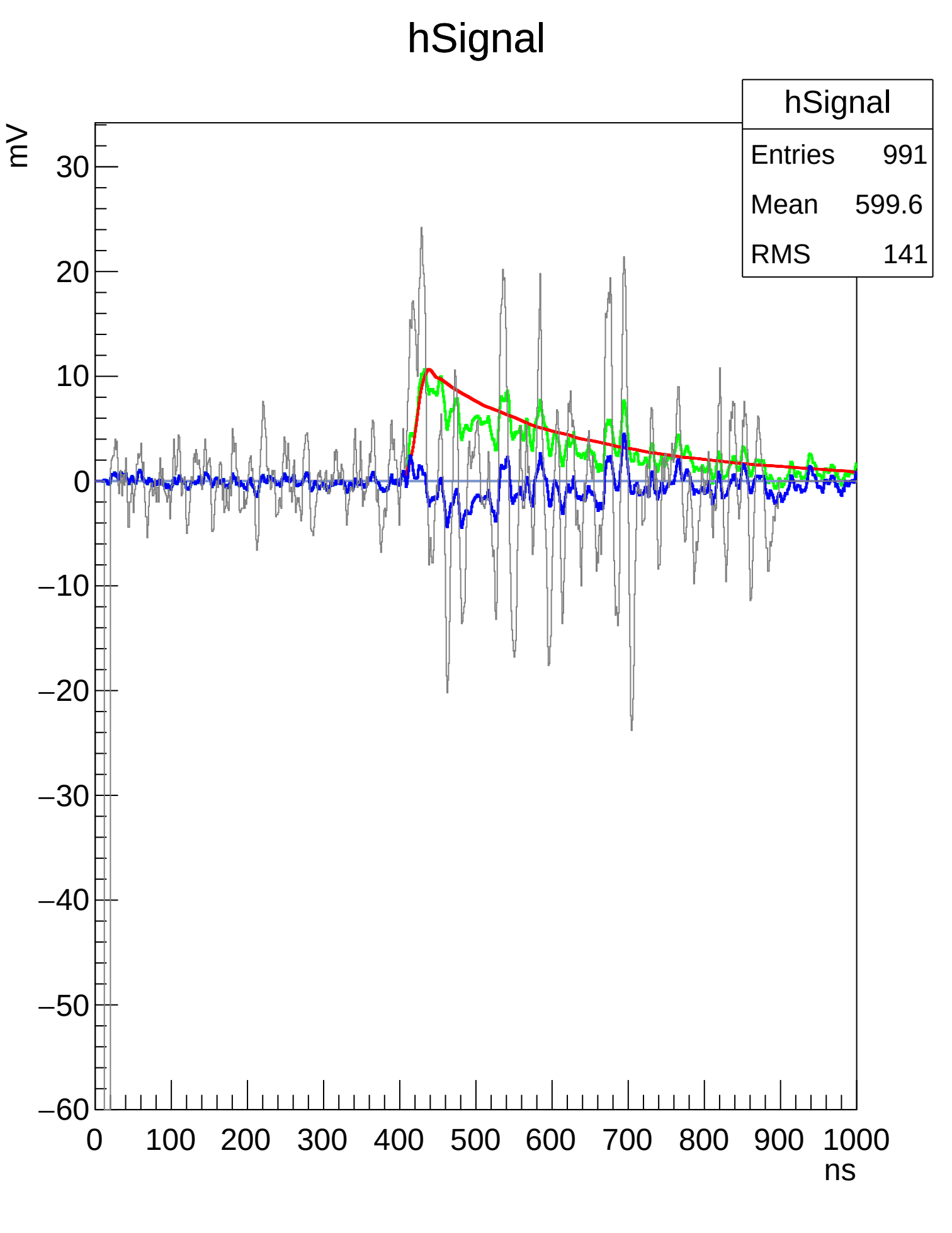
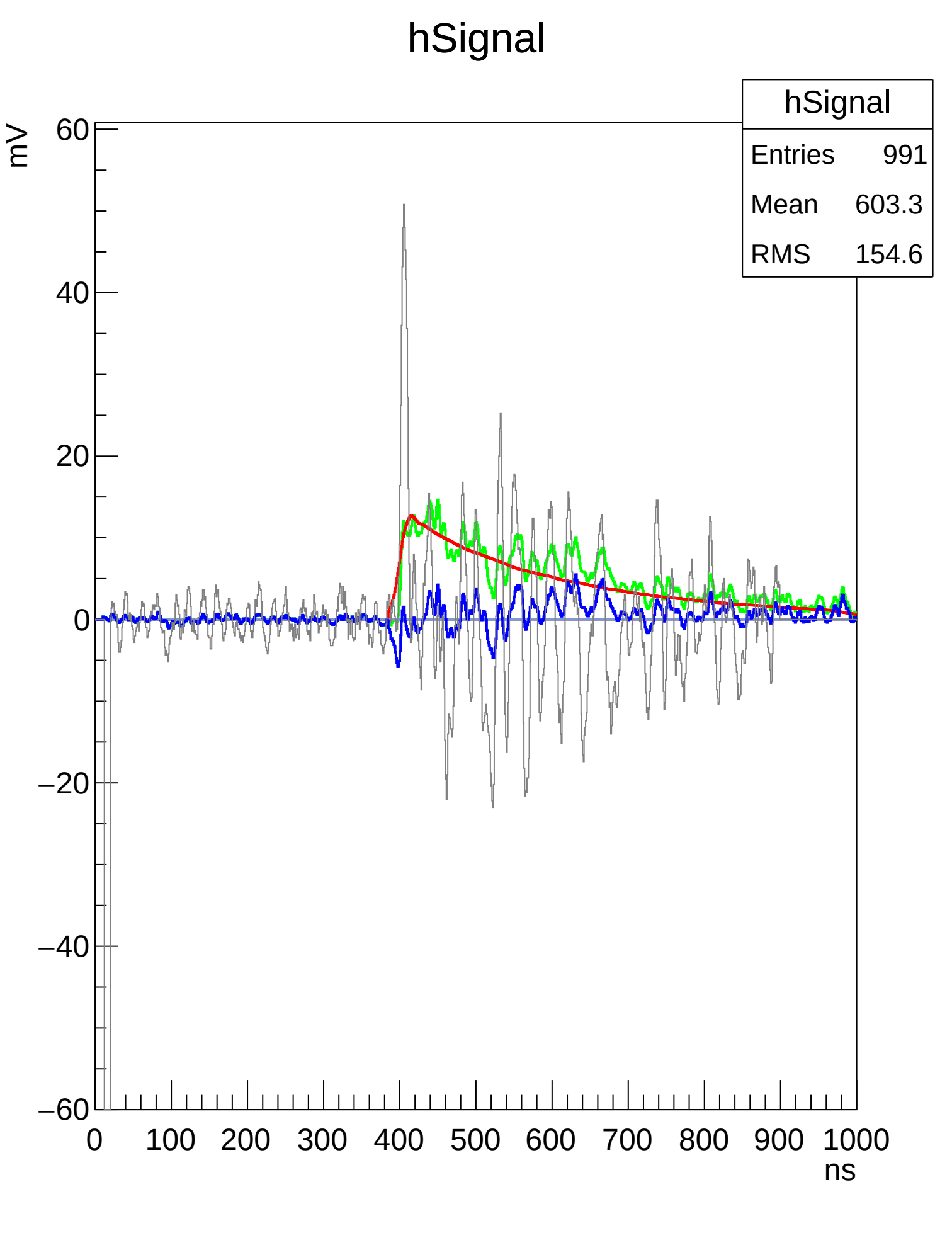
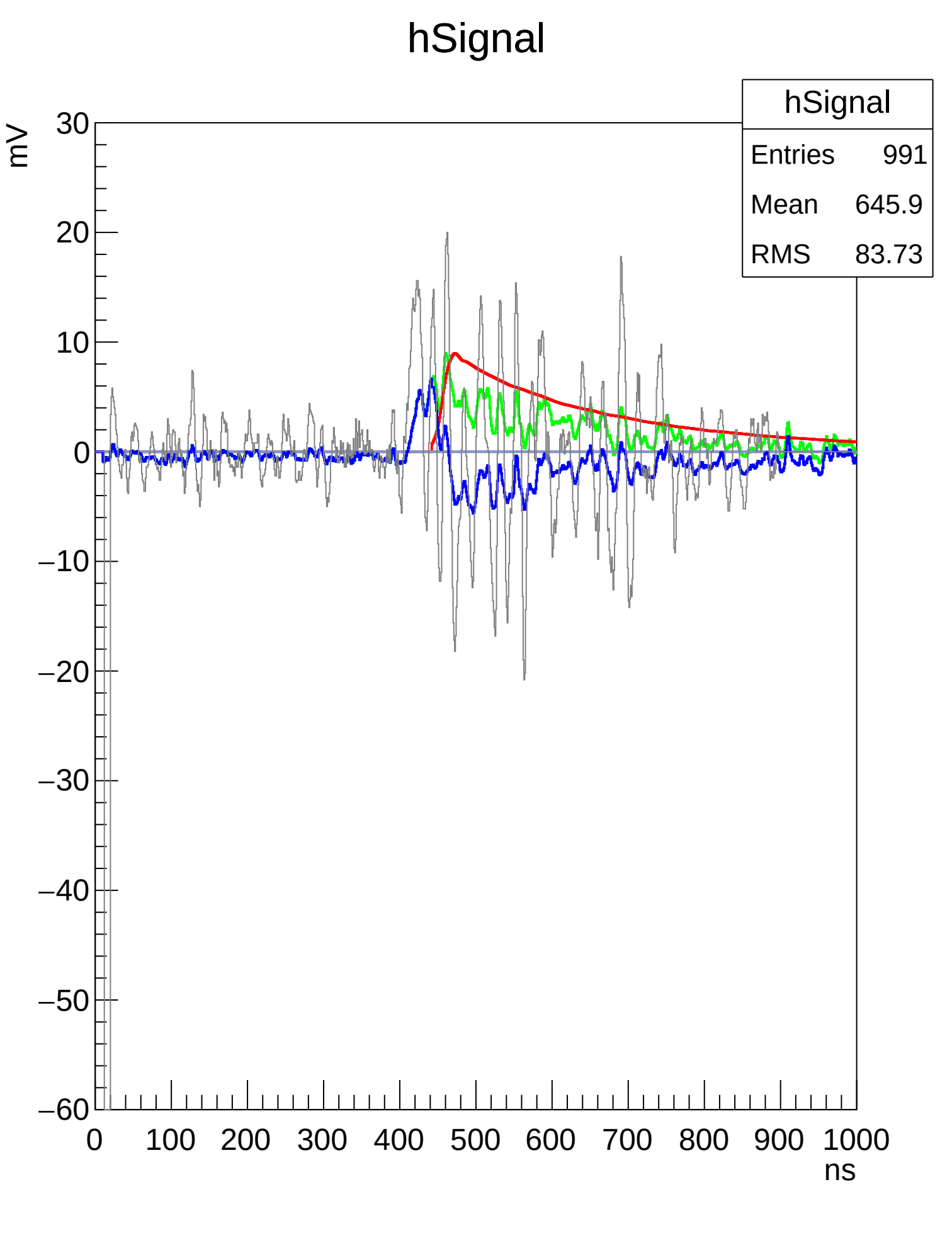
600
700
800
900
1000
ns

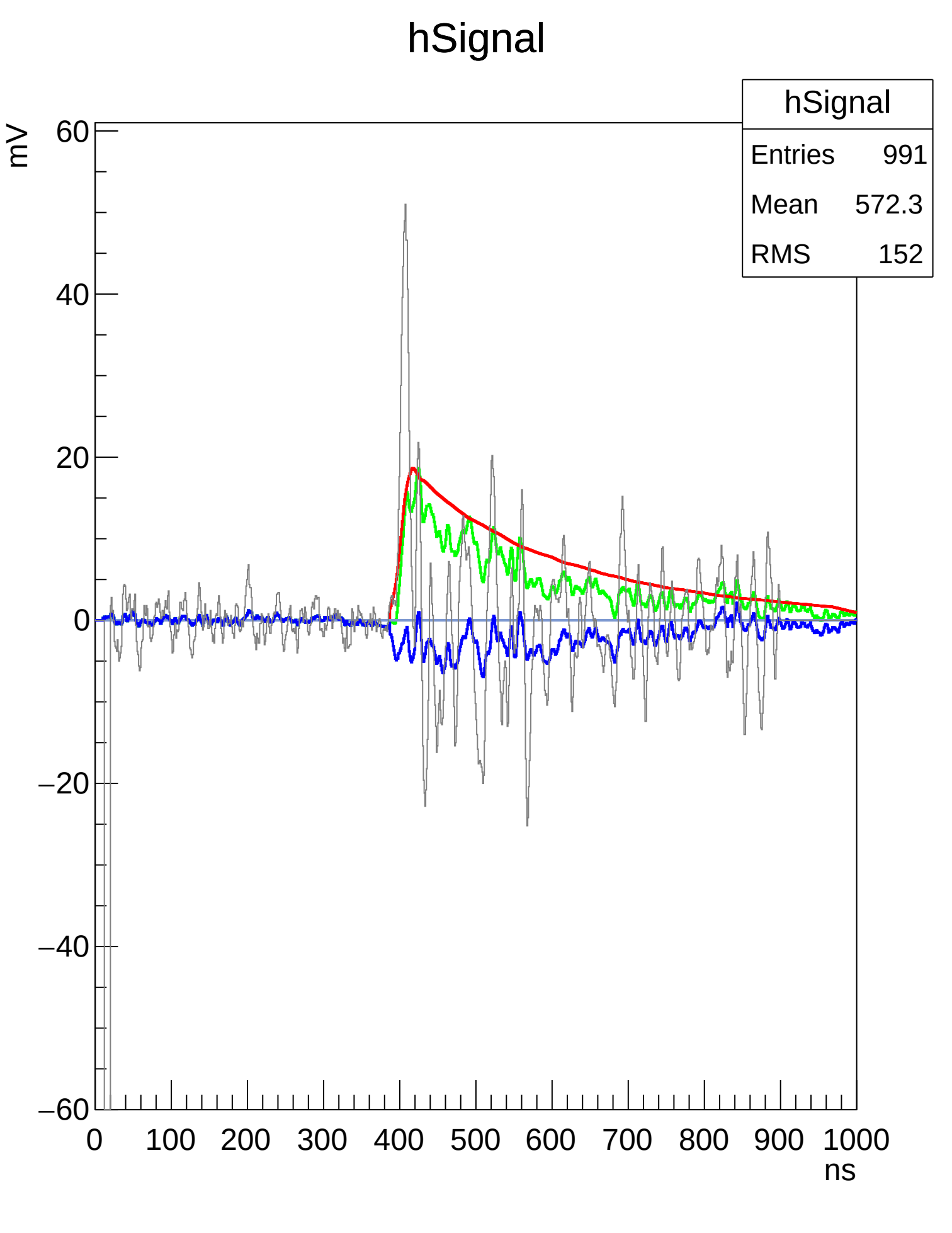

hSignal
hSignal
Entries 991
Mean 531.6
RMS 156.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 163.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.6
RMS 141
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.3
RMS 154.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 645.9
RMS 83.73
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.3
RMS 152
mV
60
40
20
0
−20
−40
−60
0
100
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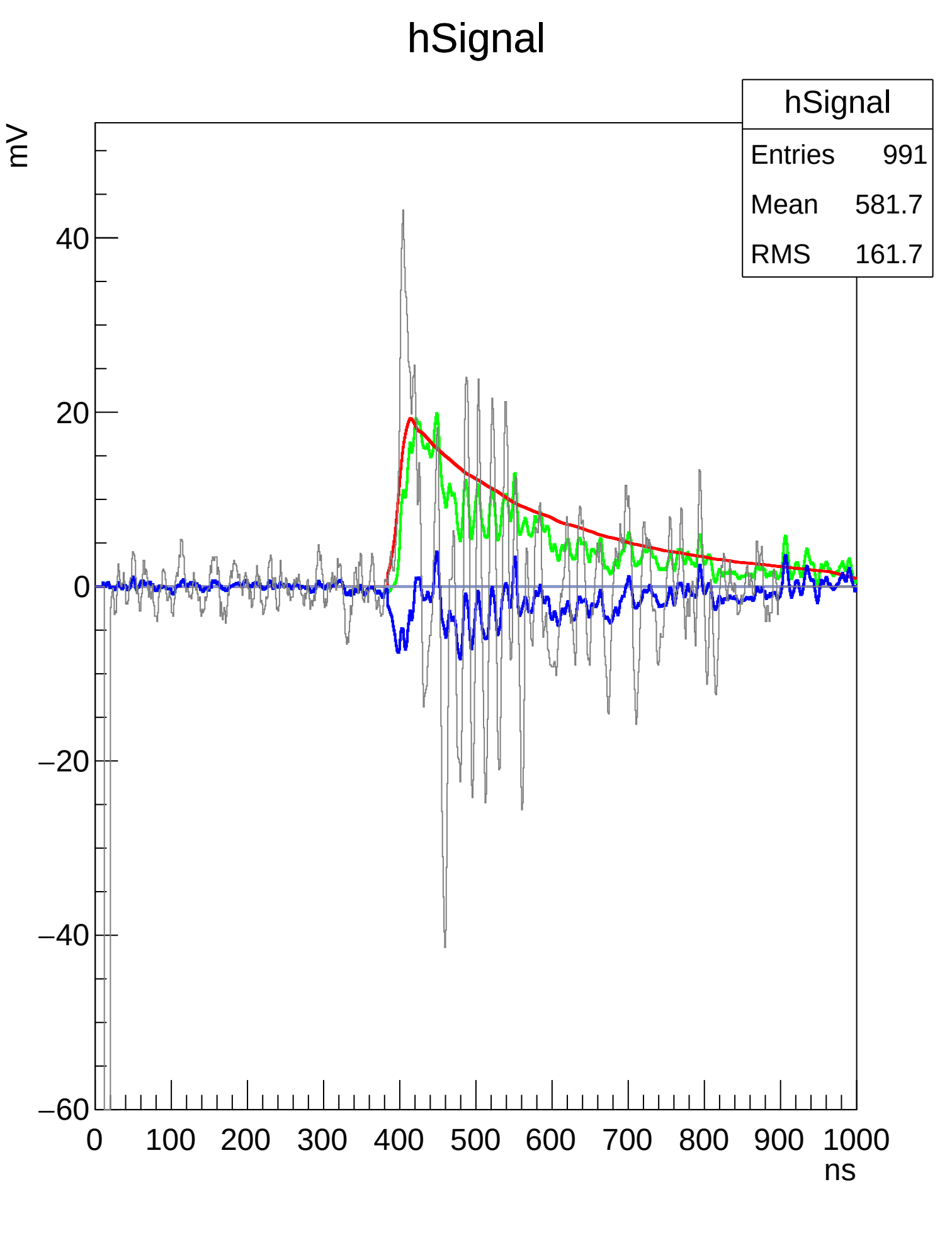
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.7
RMS 161.7
mV
40
20
0
−20
−40
−60
0
100
200
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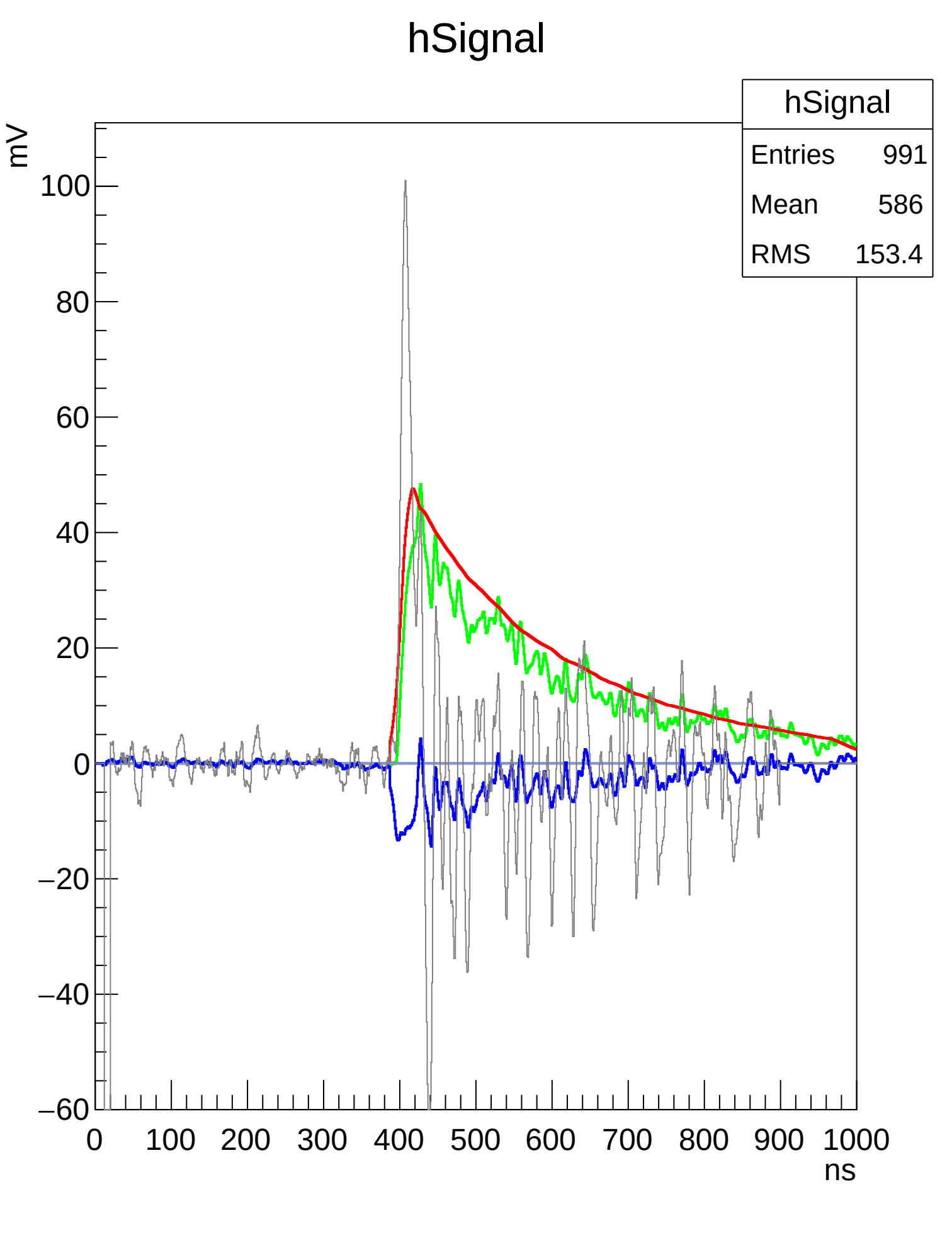
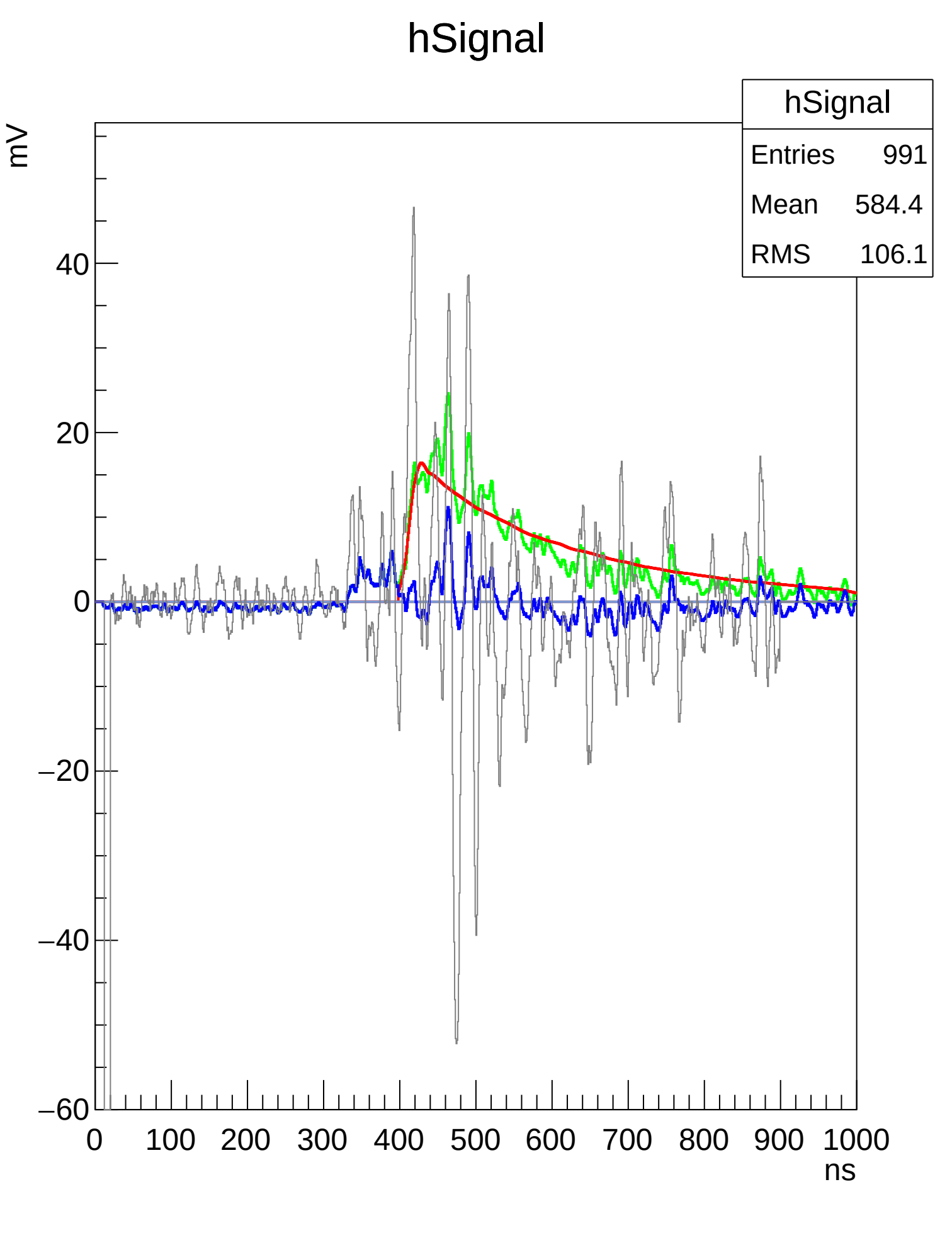
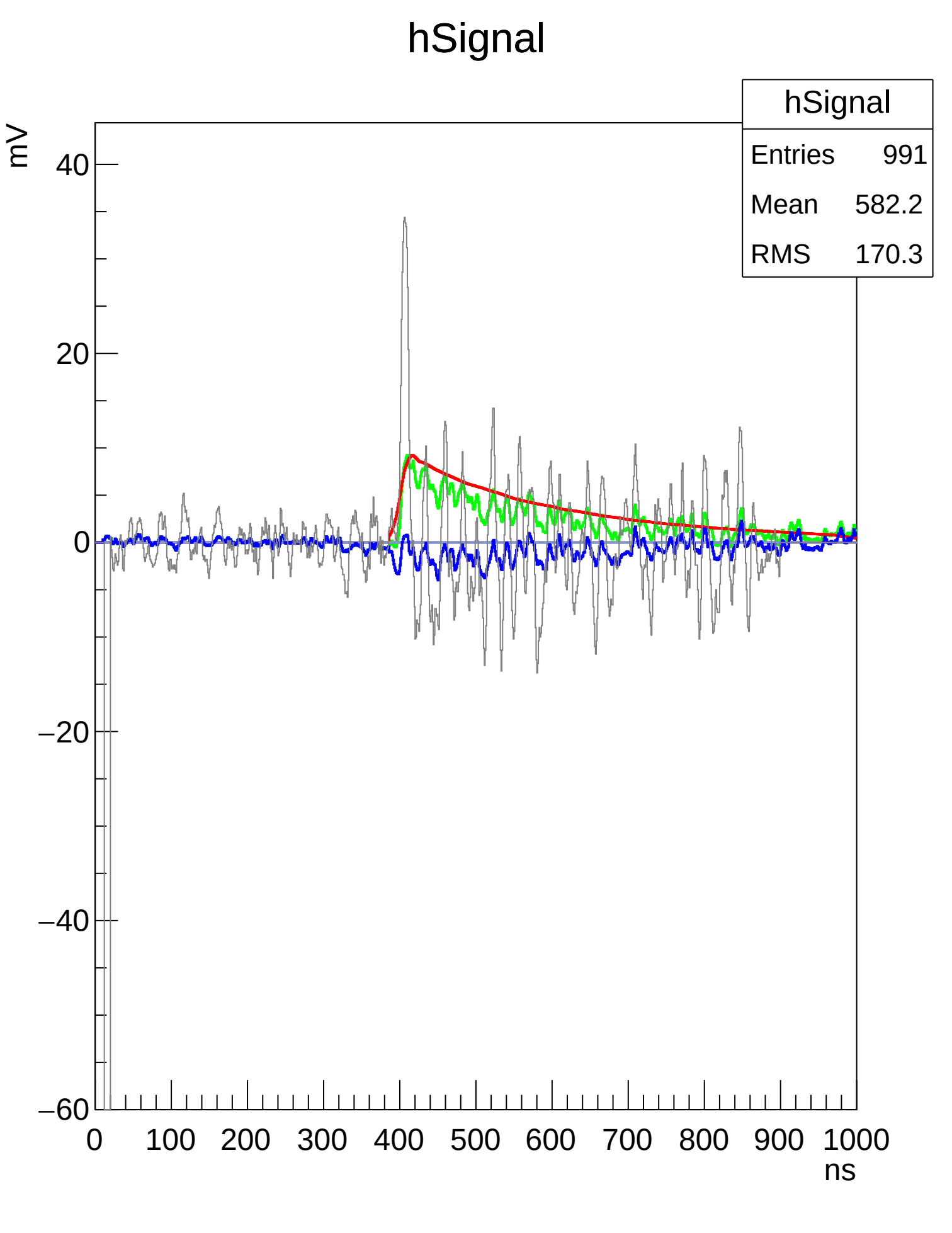
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586
RMS 153.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.4
RMS 106.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.2
RMS 170.3
mV
40
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0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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1000
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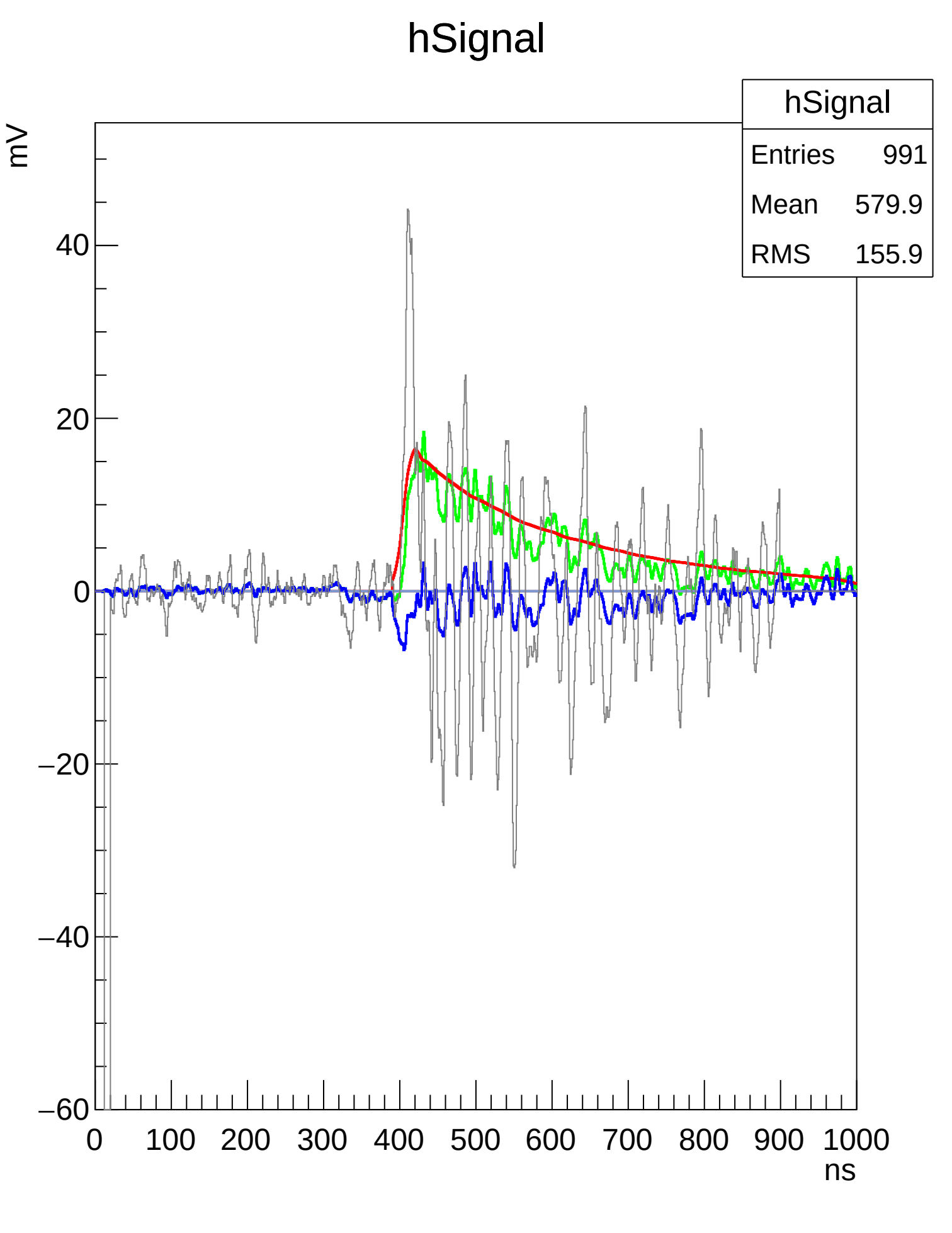
hSignal
hSignal
Entries 991
Mean 579.9
RMS 155.9
mV
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−20
−40
−60
0
100
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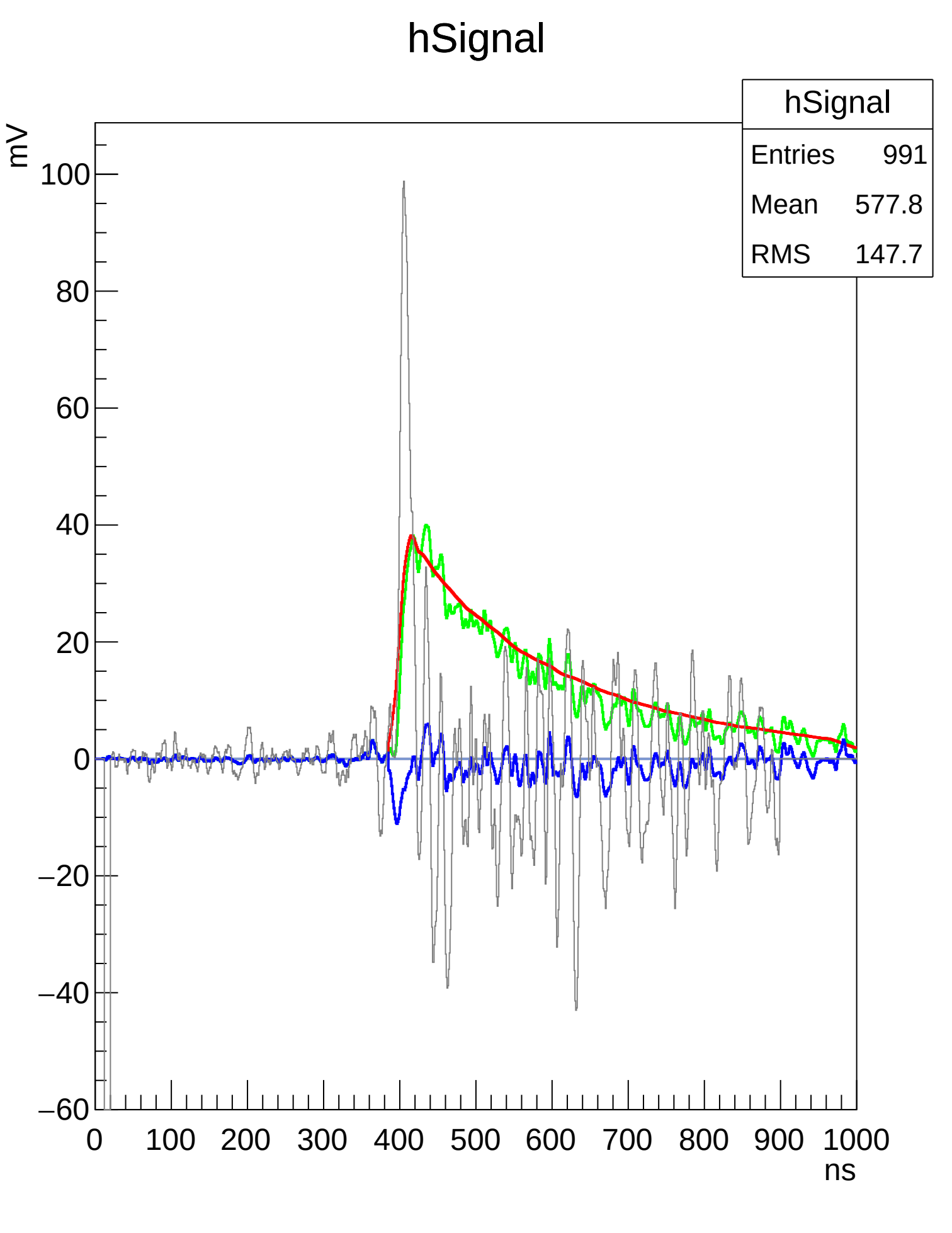
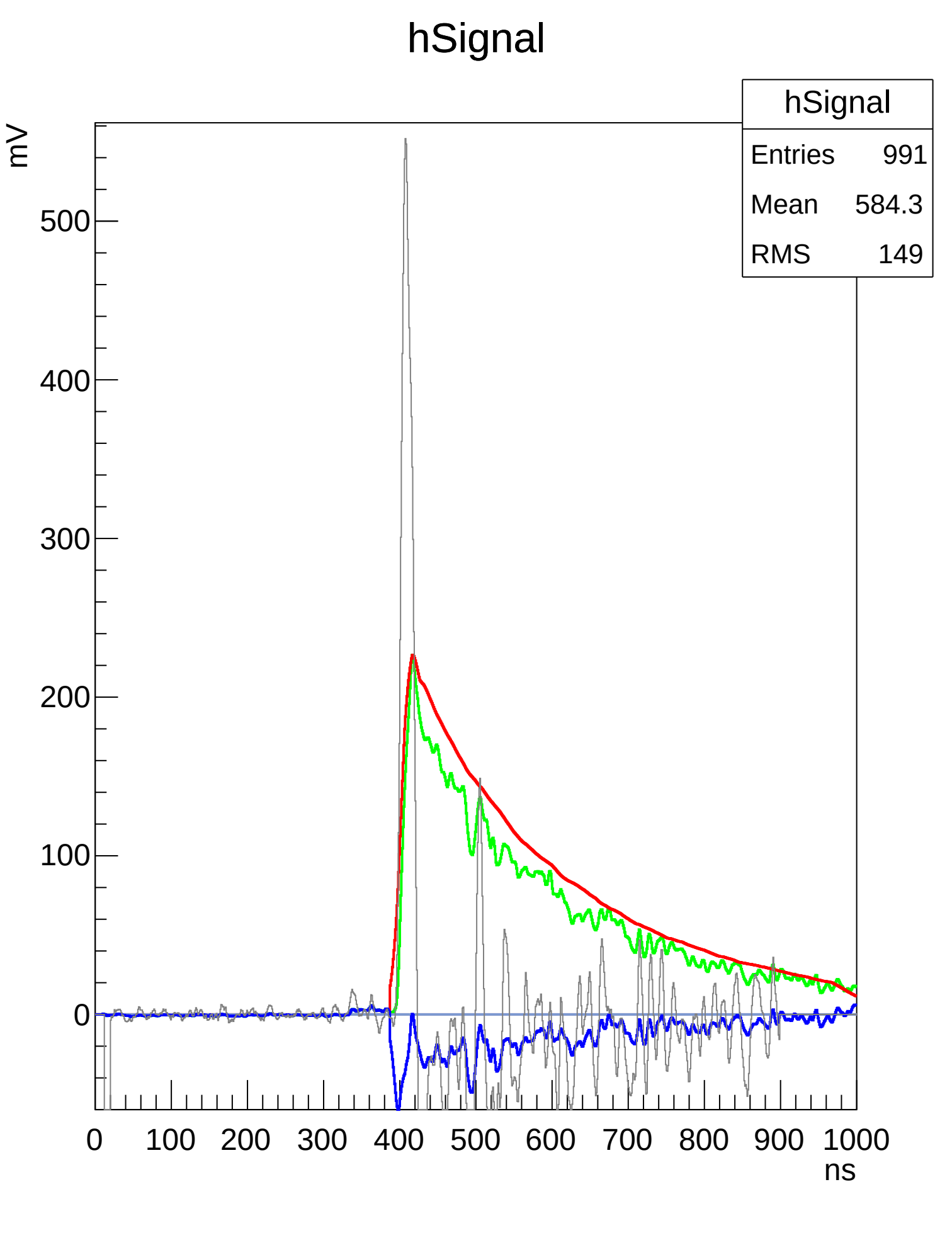
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 147.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.3
RMS 149
mV
500
400
300
200
100
0
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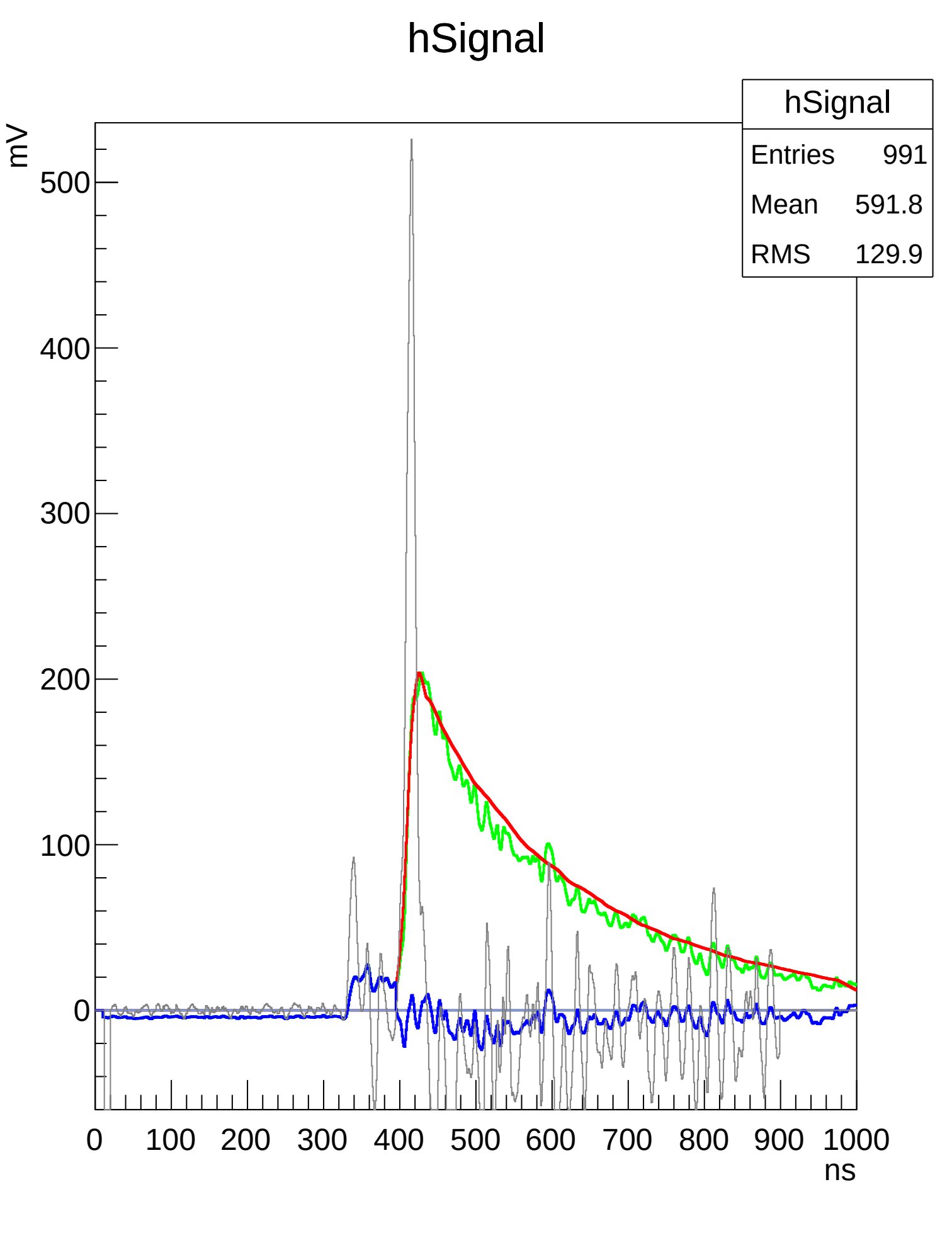
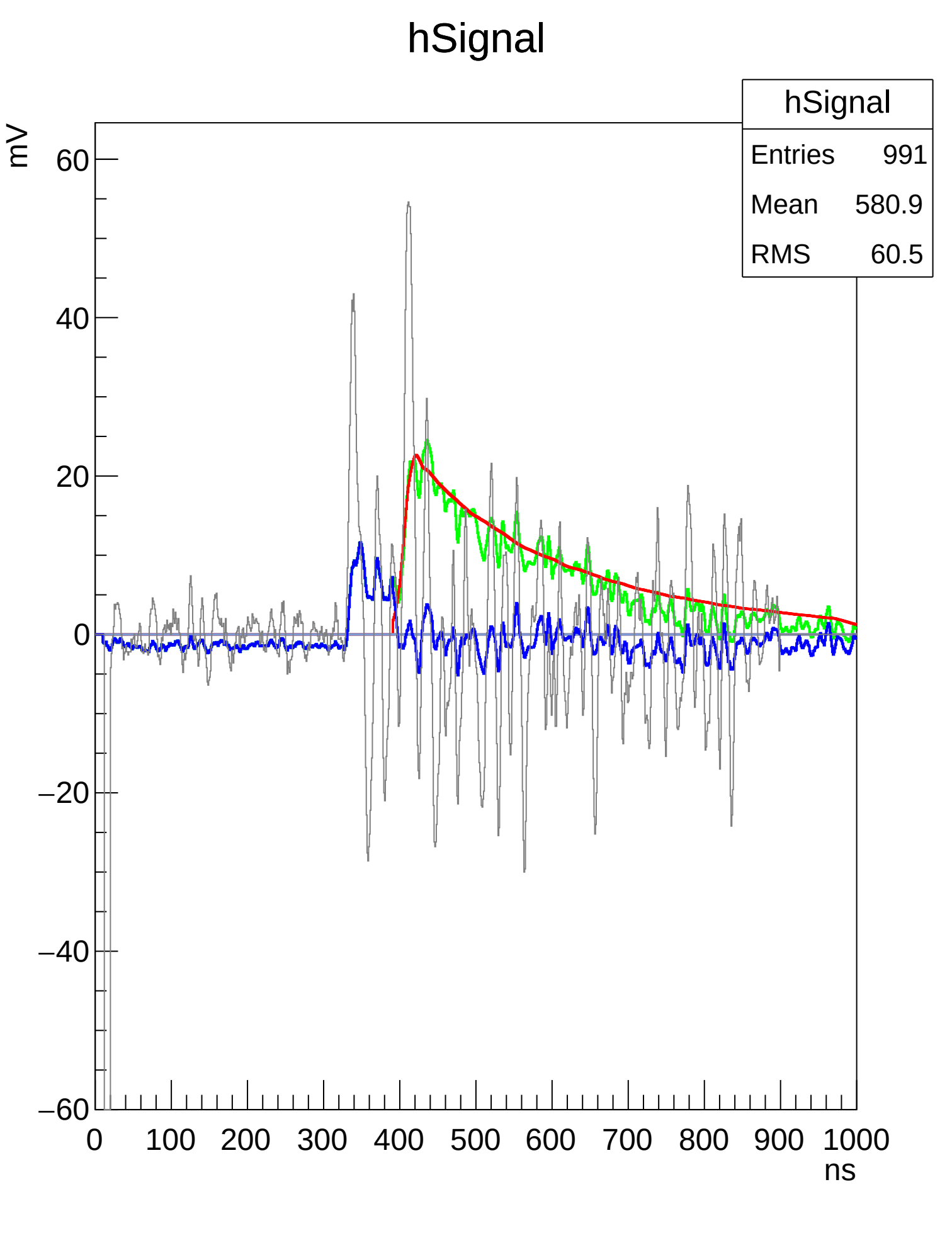
ns


hSignal
hSignal
Entries 991
Mean 591.8
RMS 129.9
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 580.9
RMS 60.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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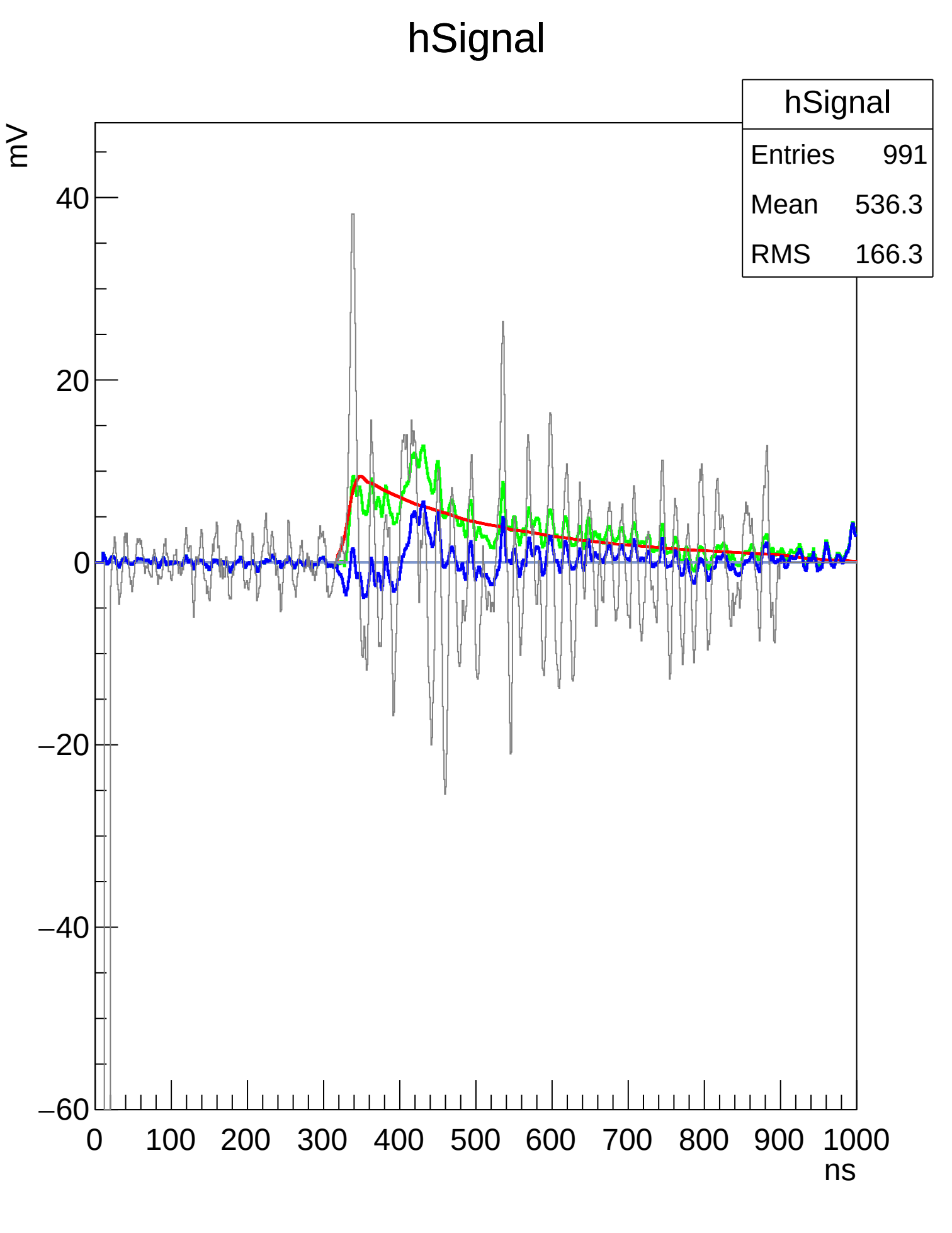
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.3
RMS 166.3
mV
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0
−20
−40
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0
100
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600
700
800
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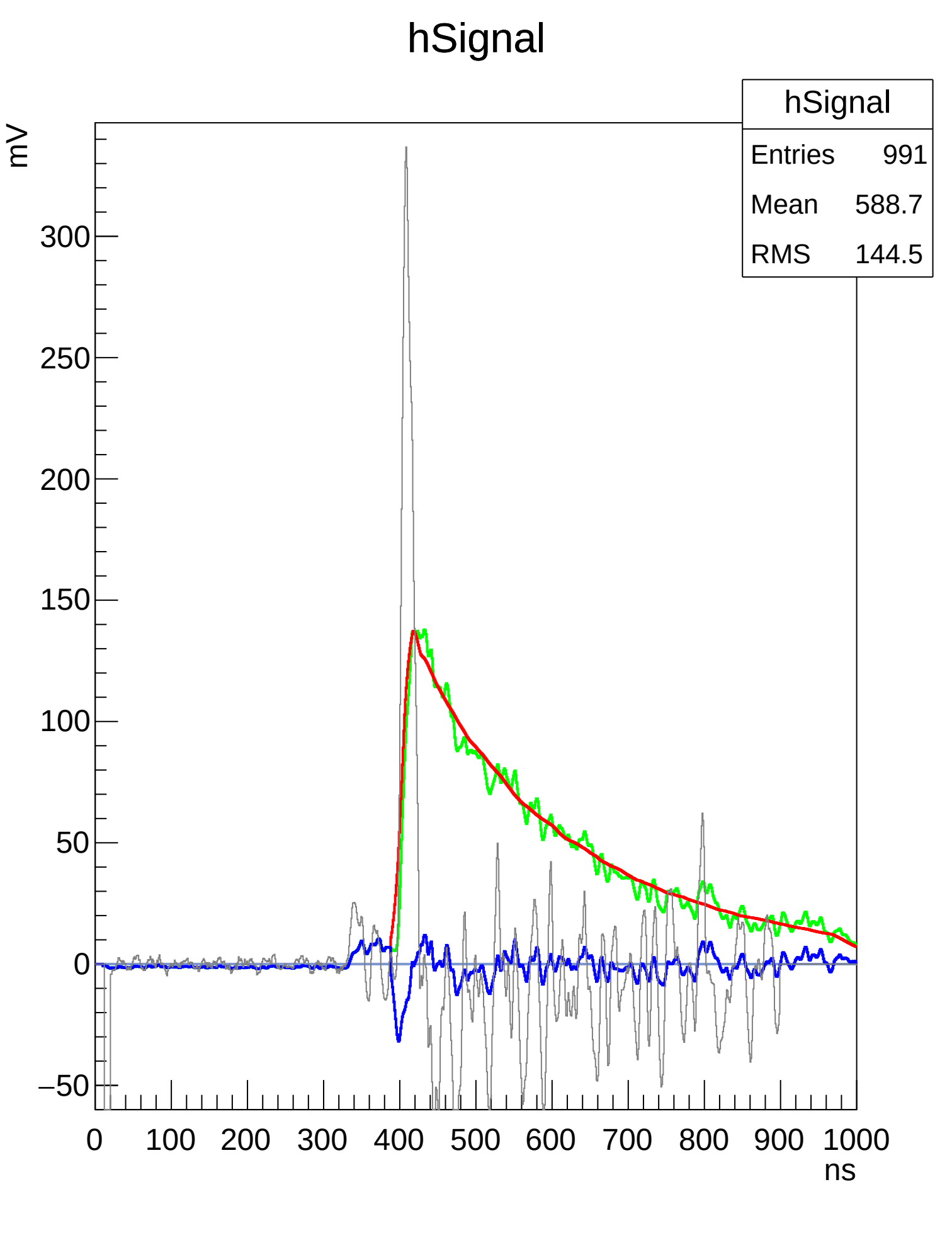
1000
ns


hSignal
hSignal
Entries 991
Mean 588.7
RMS 144.5
mV
300
250
200
150
100
50
0
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0
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800
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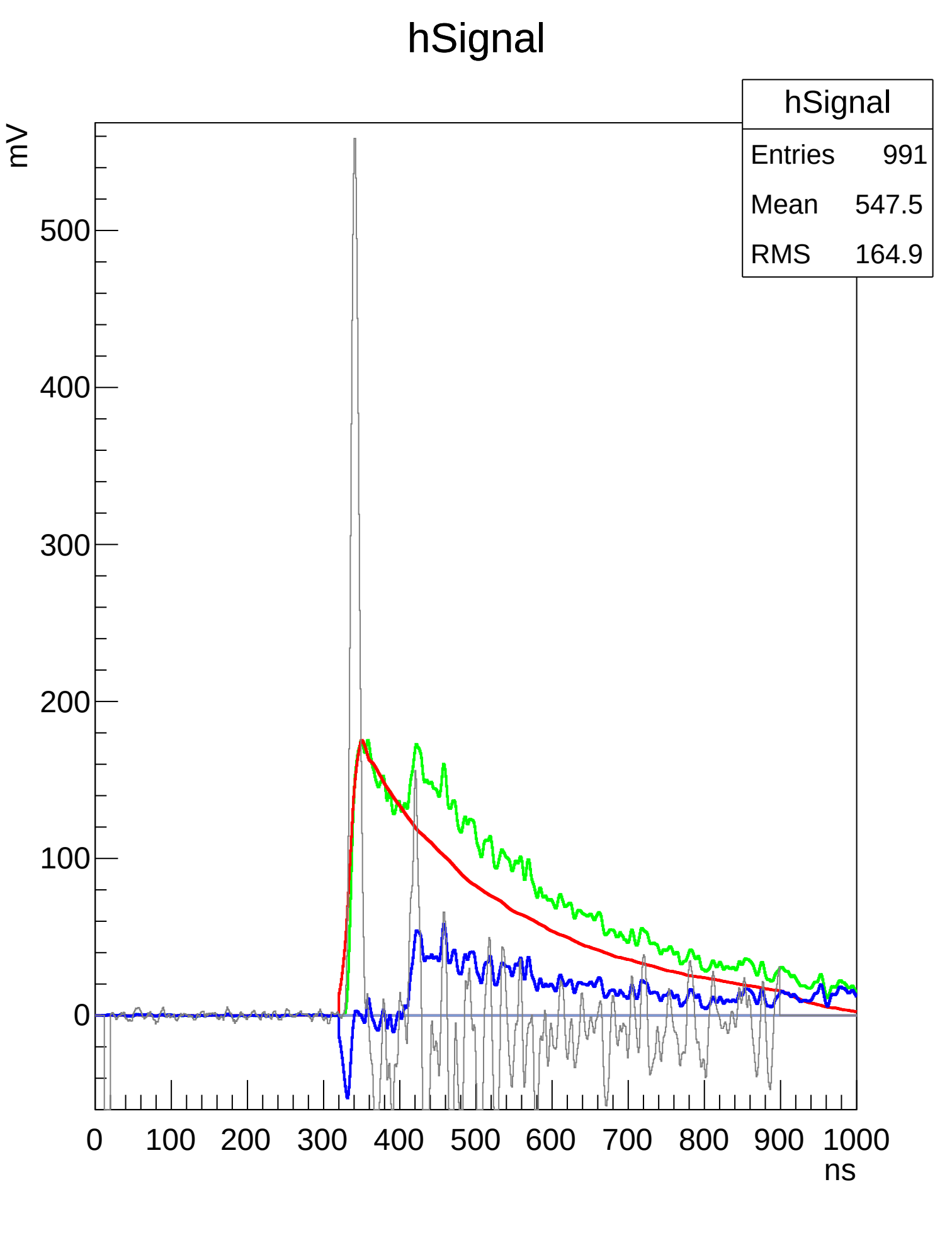
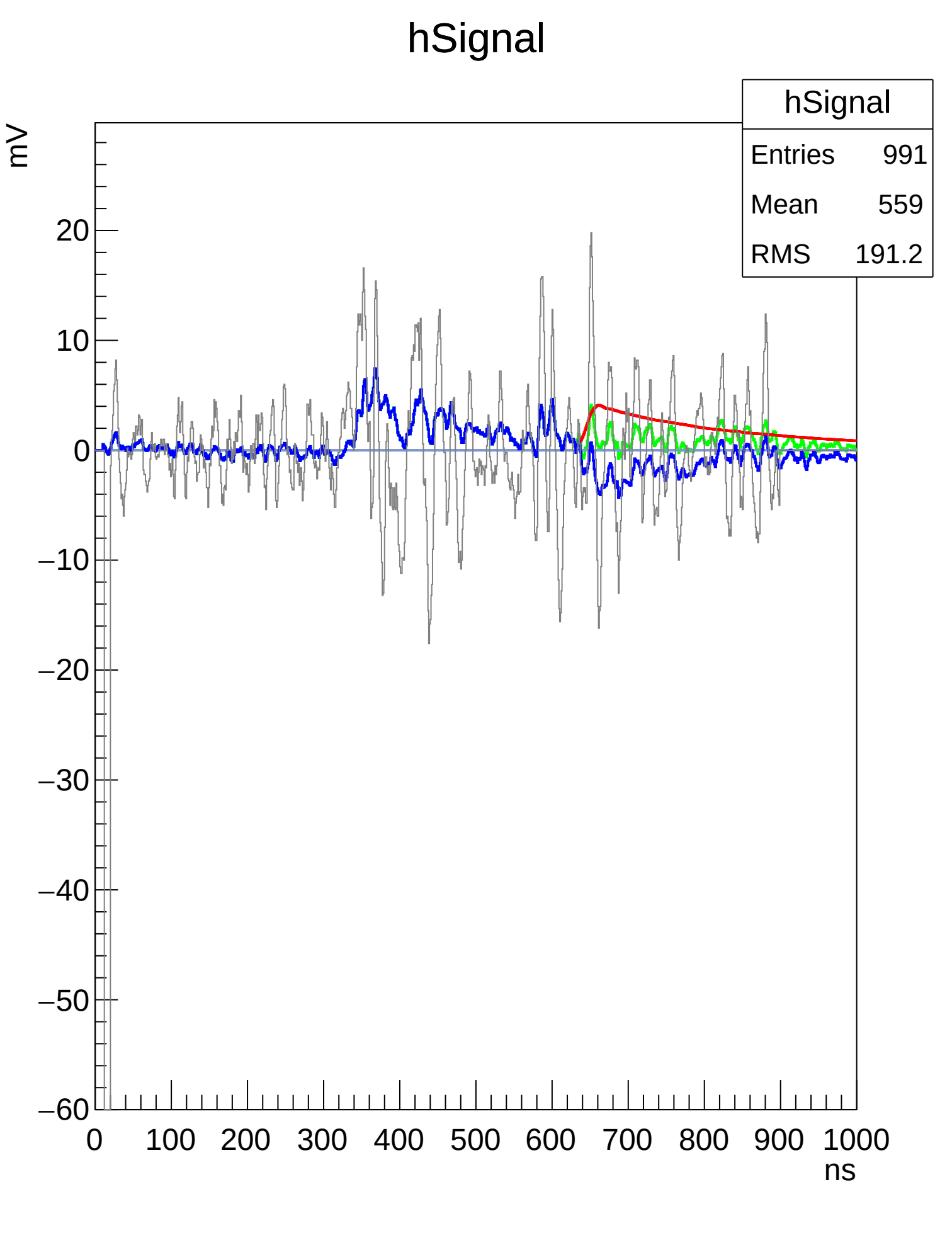
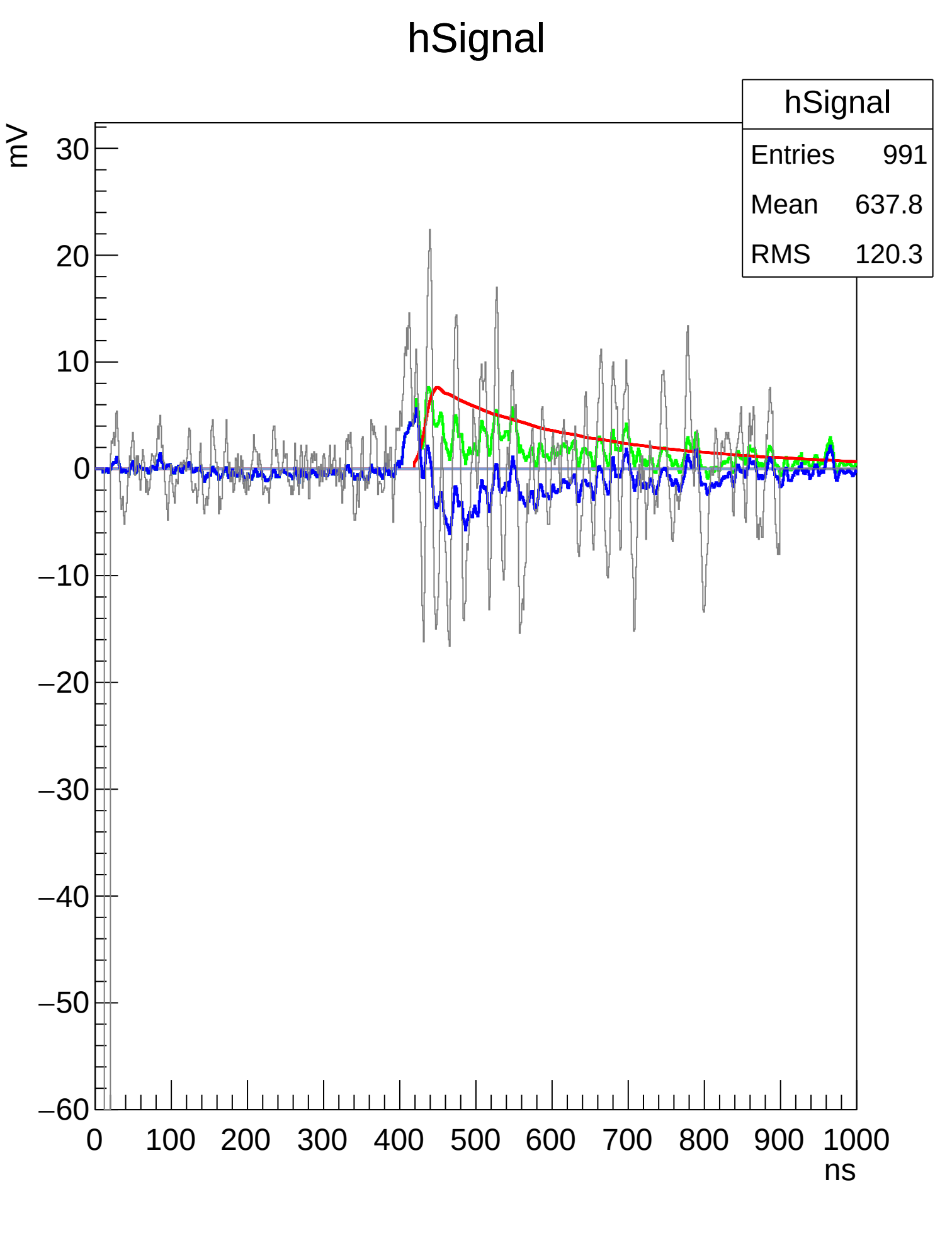
1000
ns


hSignal
hSignal
Entries 991
Mean 547.5
RMS 164.9
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 559
RMS 191.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 637.8
RMS 120.3
mV
30
20
10
0
−10
−20
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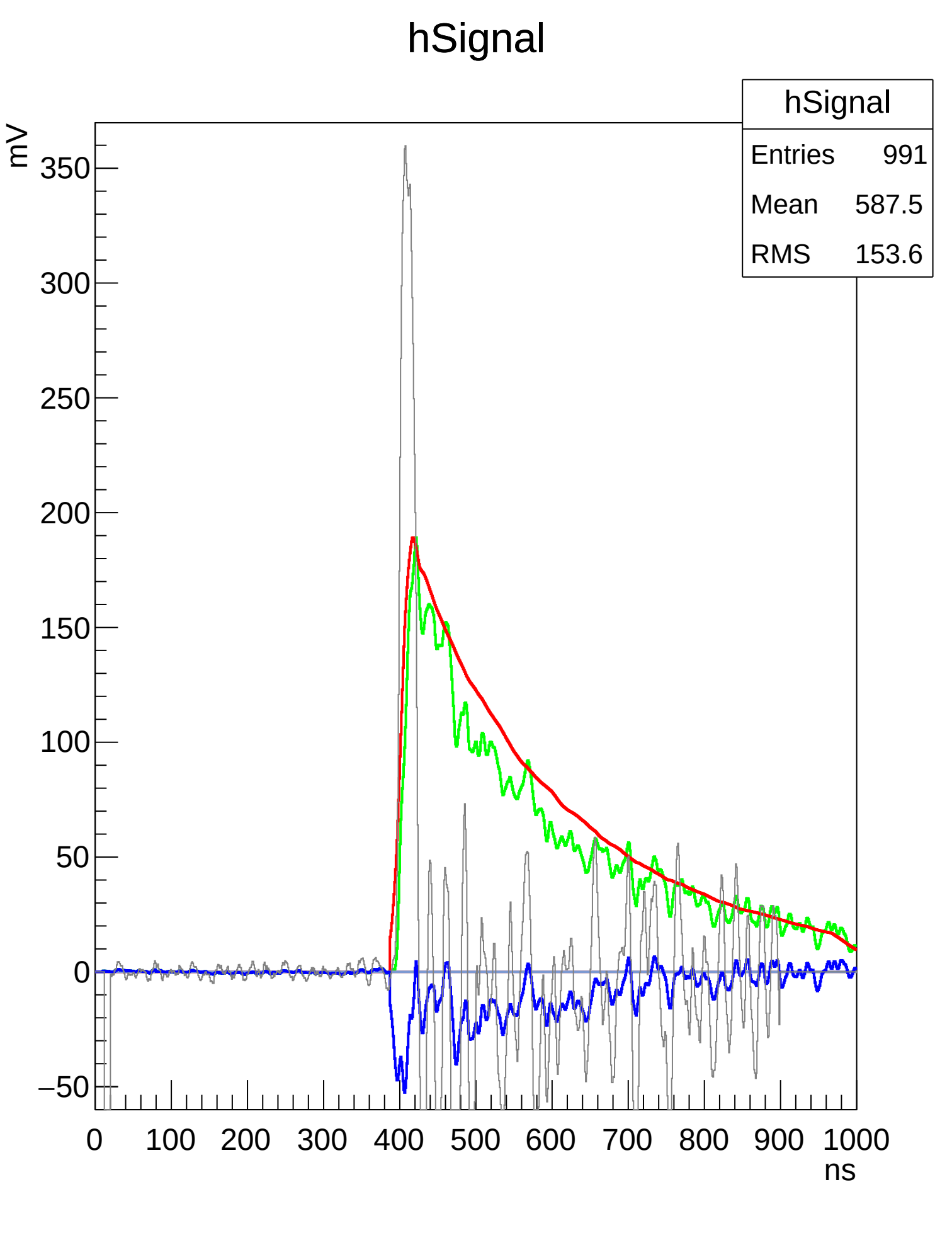
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 153.6
mV
350
300
250
200
150
100
50
0
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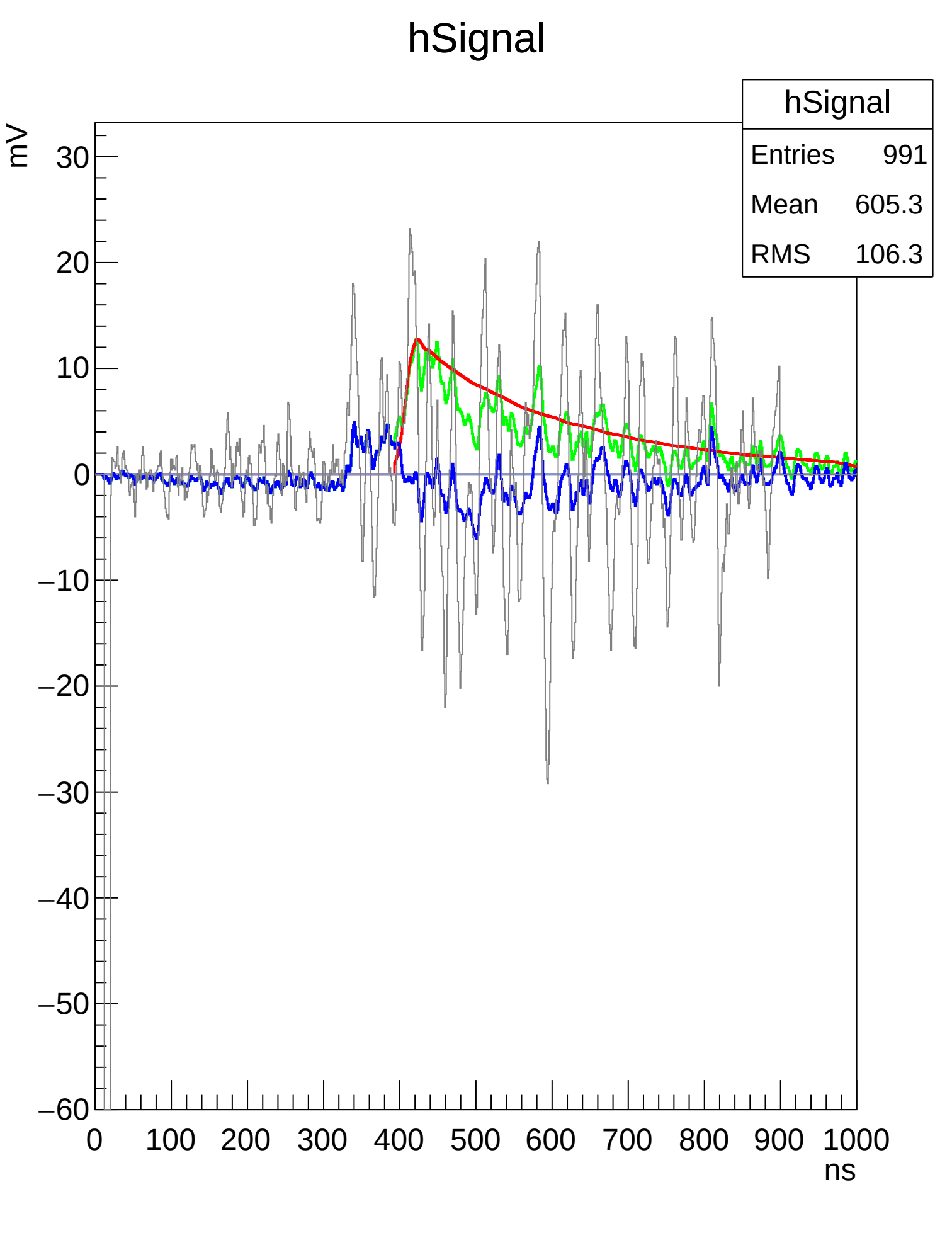
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.3
RMS 106.3
mV
30
20
10
0
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−20
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−40
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400
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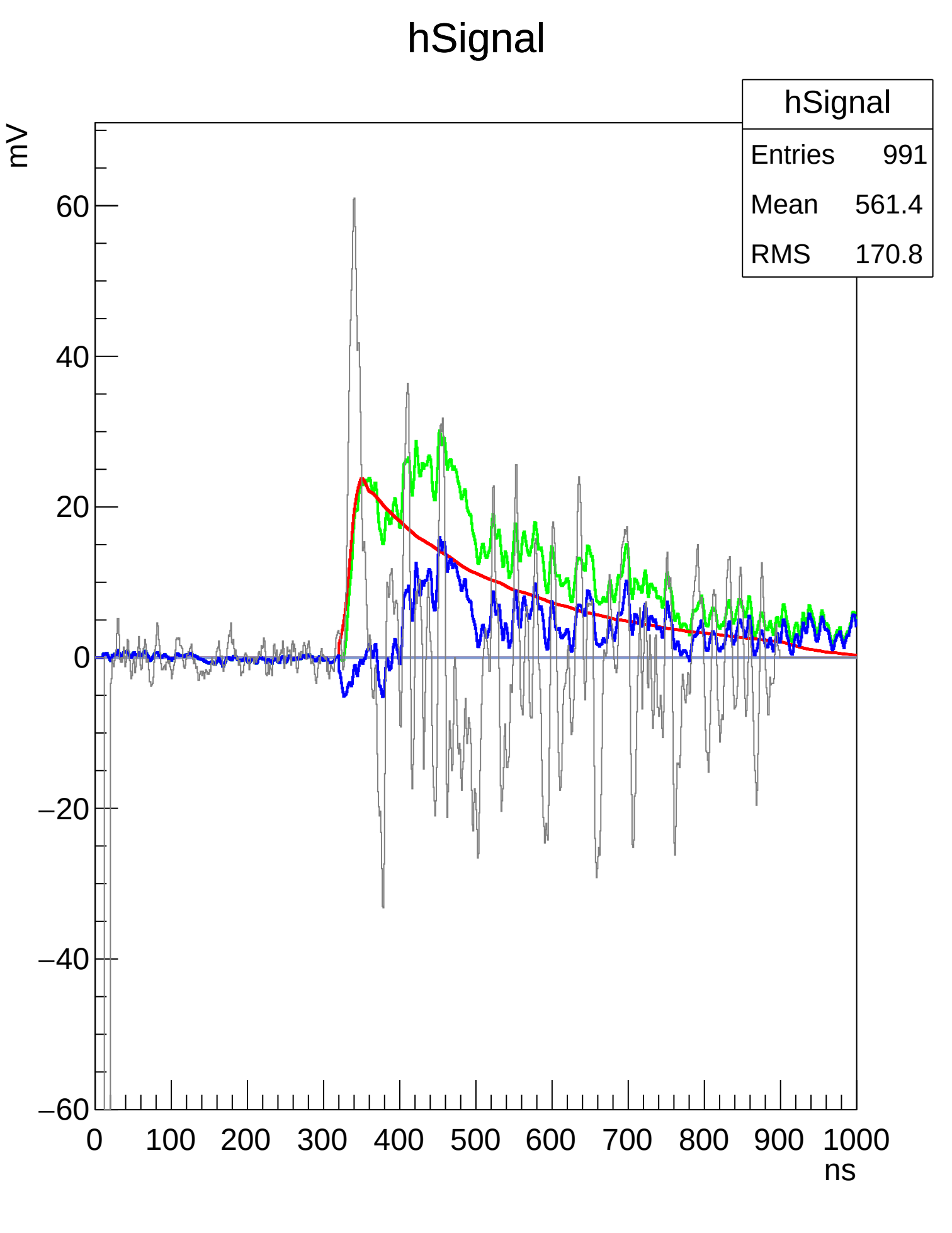
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.4
RMS 170.8
mV
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0
−20
−40
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0
100
200
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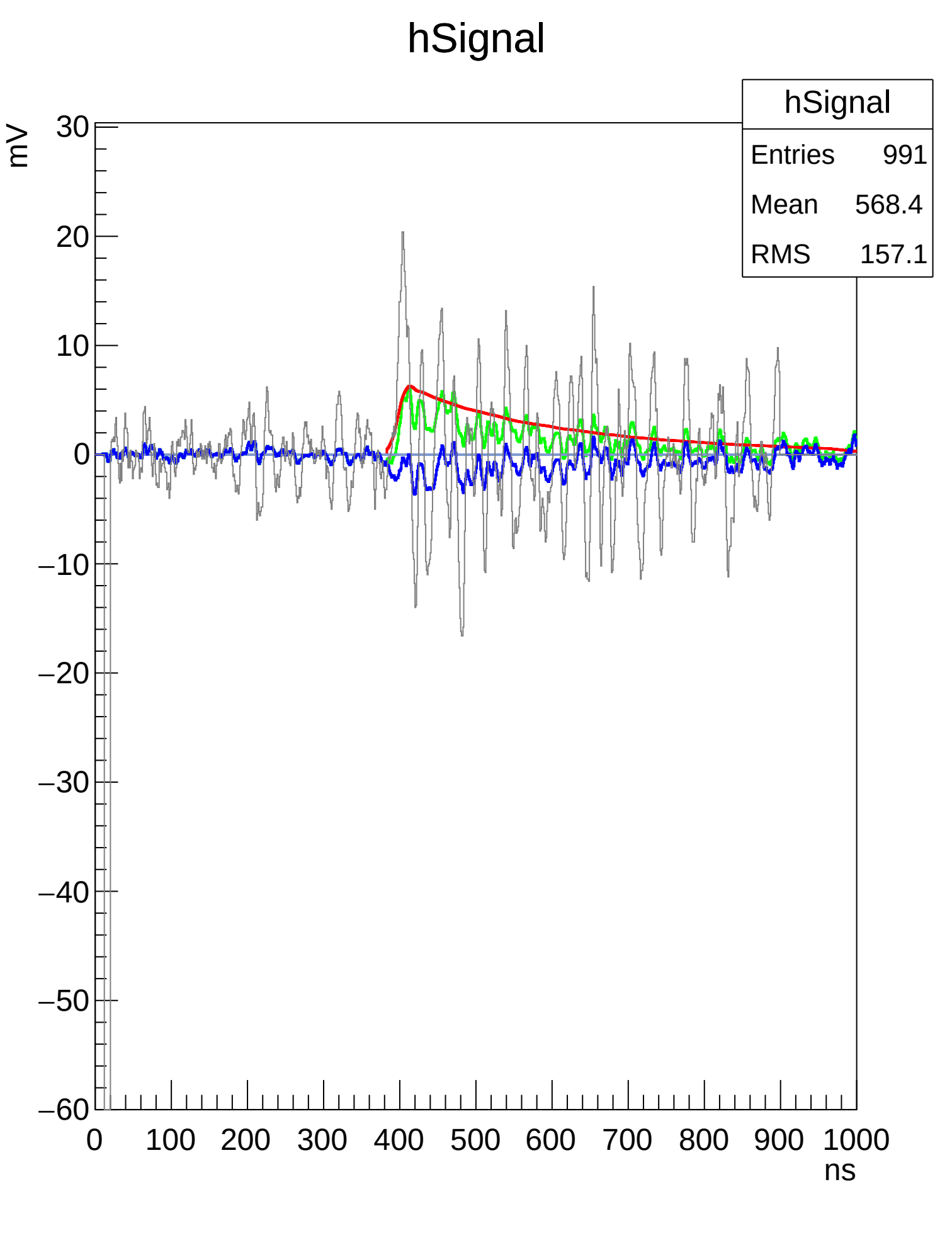
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.4
RMS 157.1
mV
30
20
10
0
−10
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−40
−50
−60
0
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400
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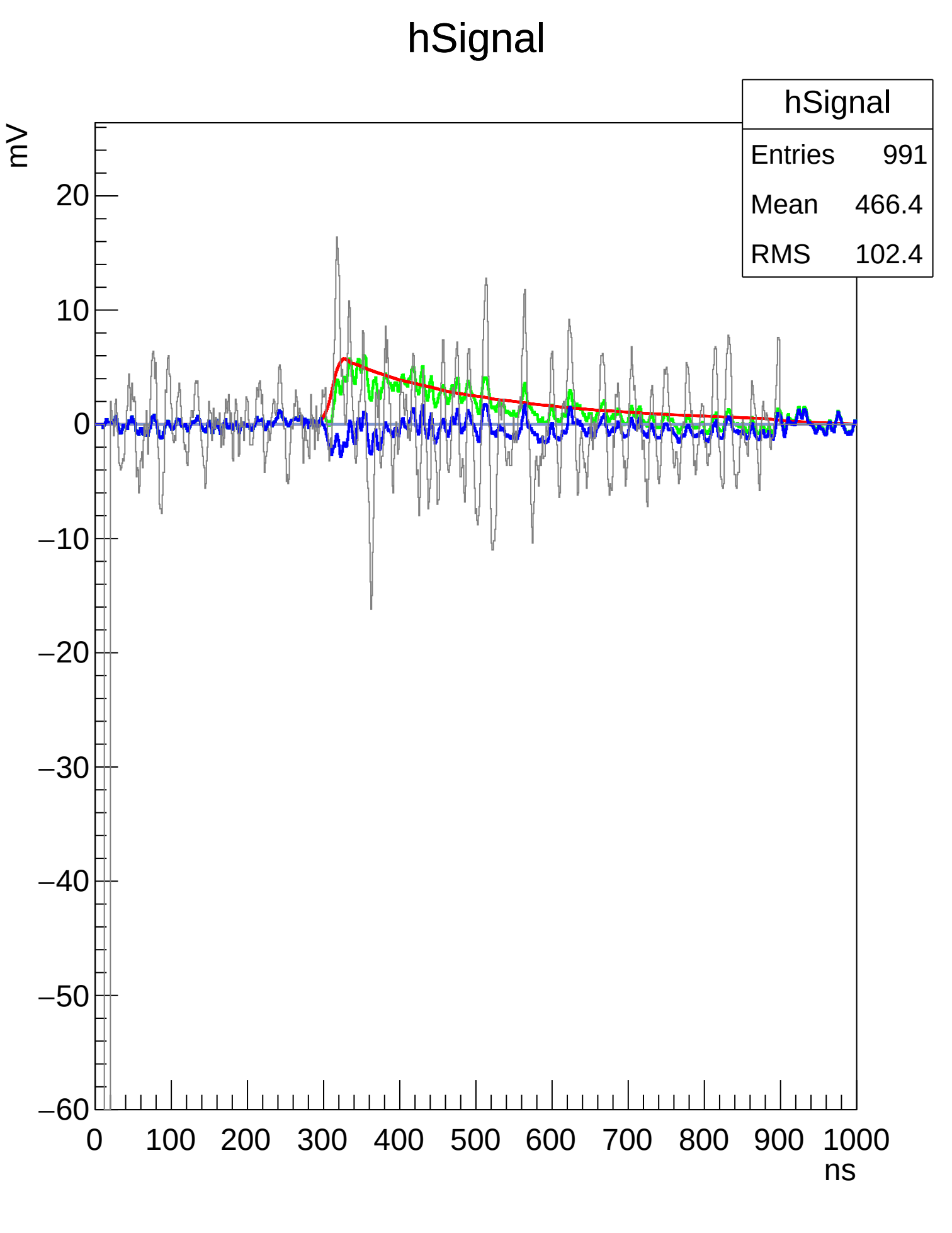
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 466.4
RMS 102.4
mV
20
10
0
−10
−20
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−40
−50
−60
0
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200
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400
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800
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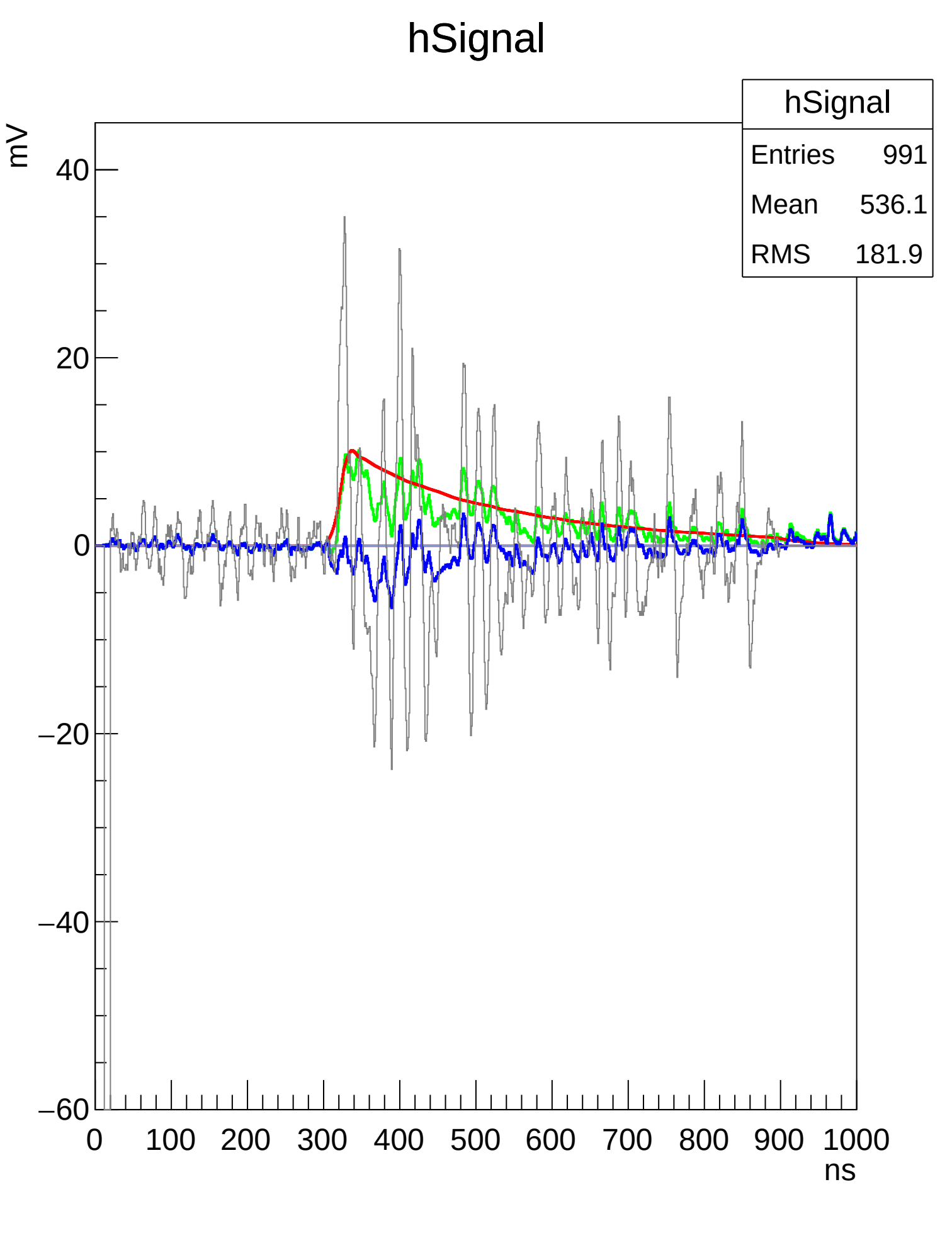
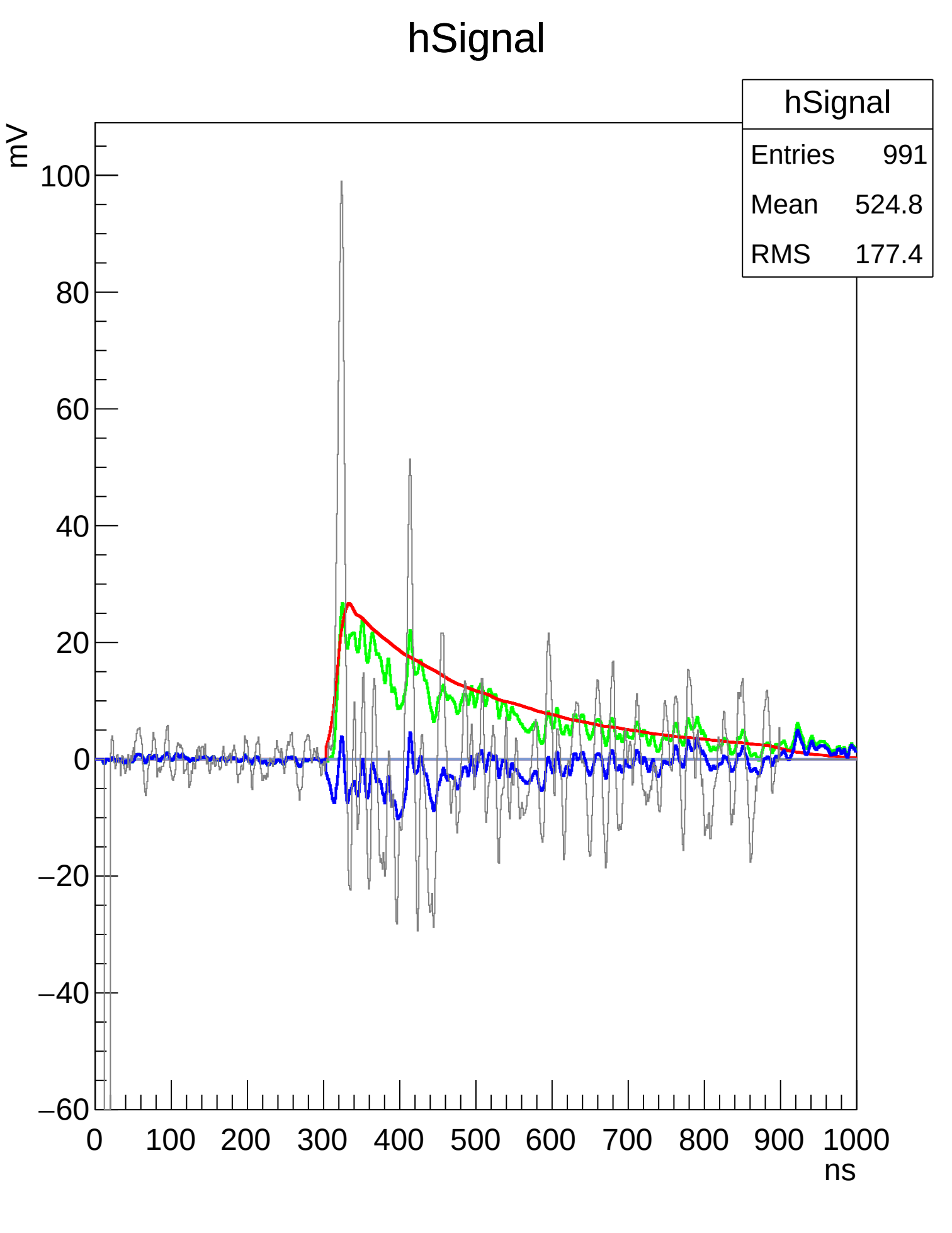
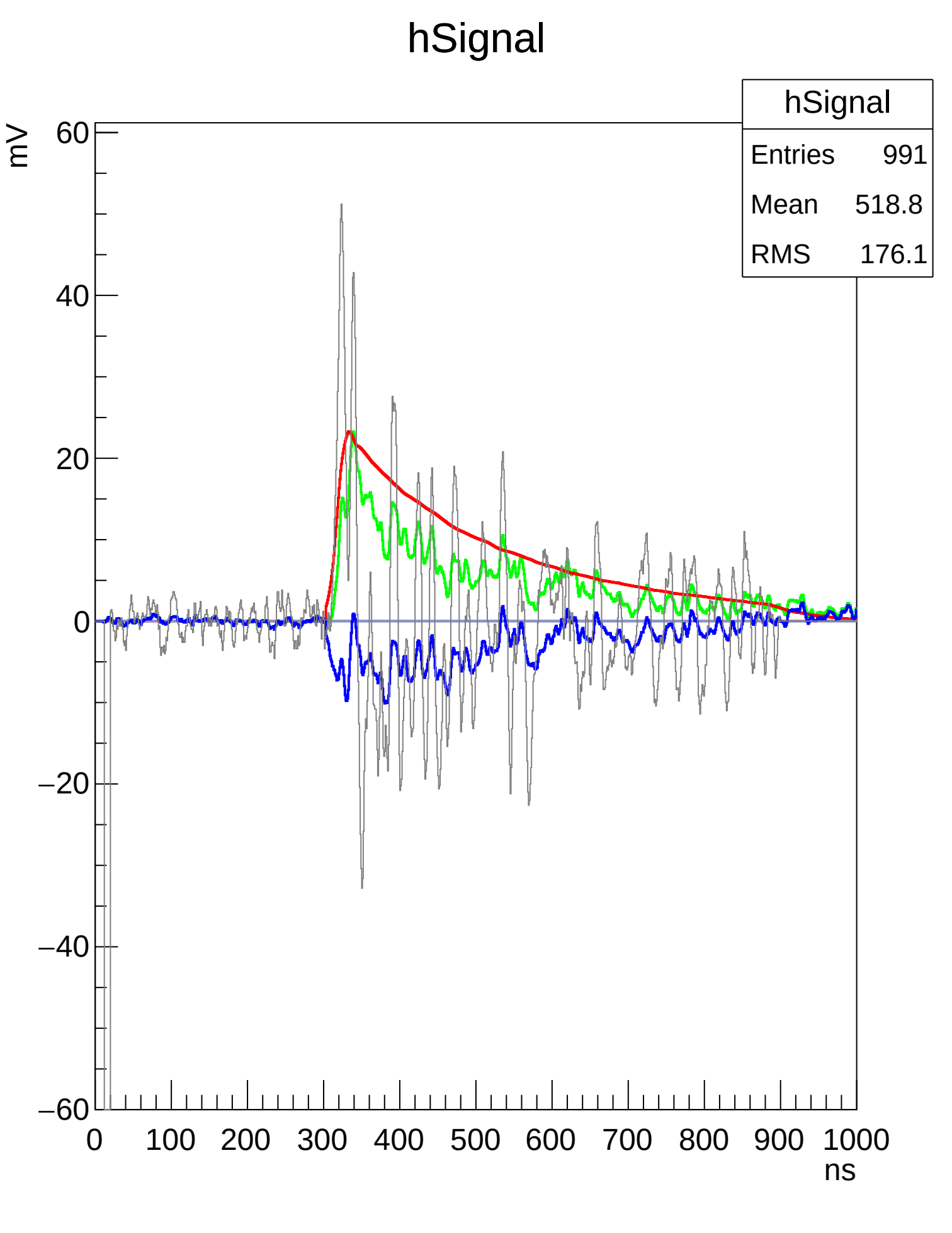
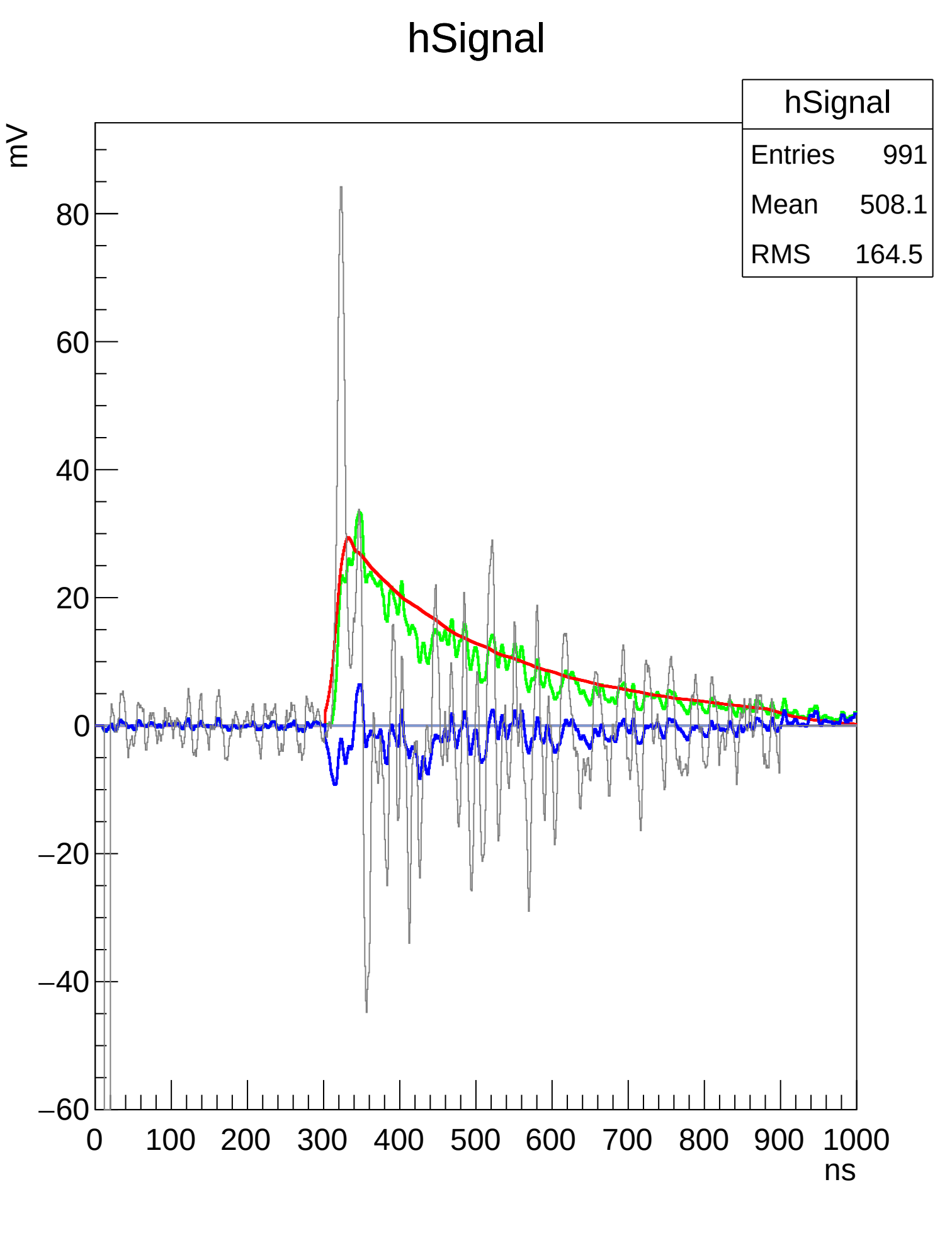
1000
ns


hSignal
hSignal
Entries 991
Mean 536.1
RMS 181.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.8
RMS 177.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.8
RMS 176.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.1
RMS 164.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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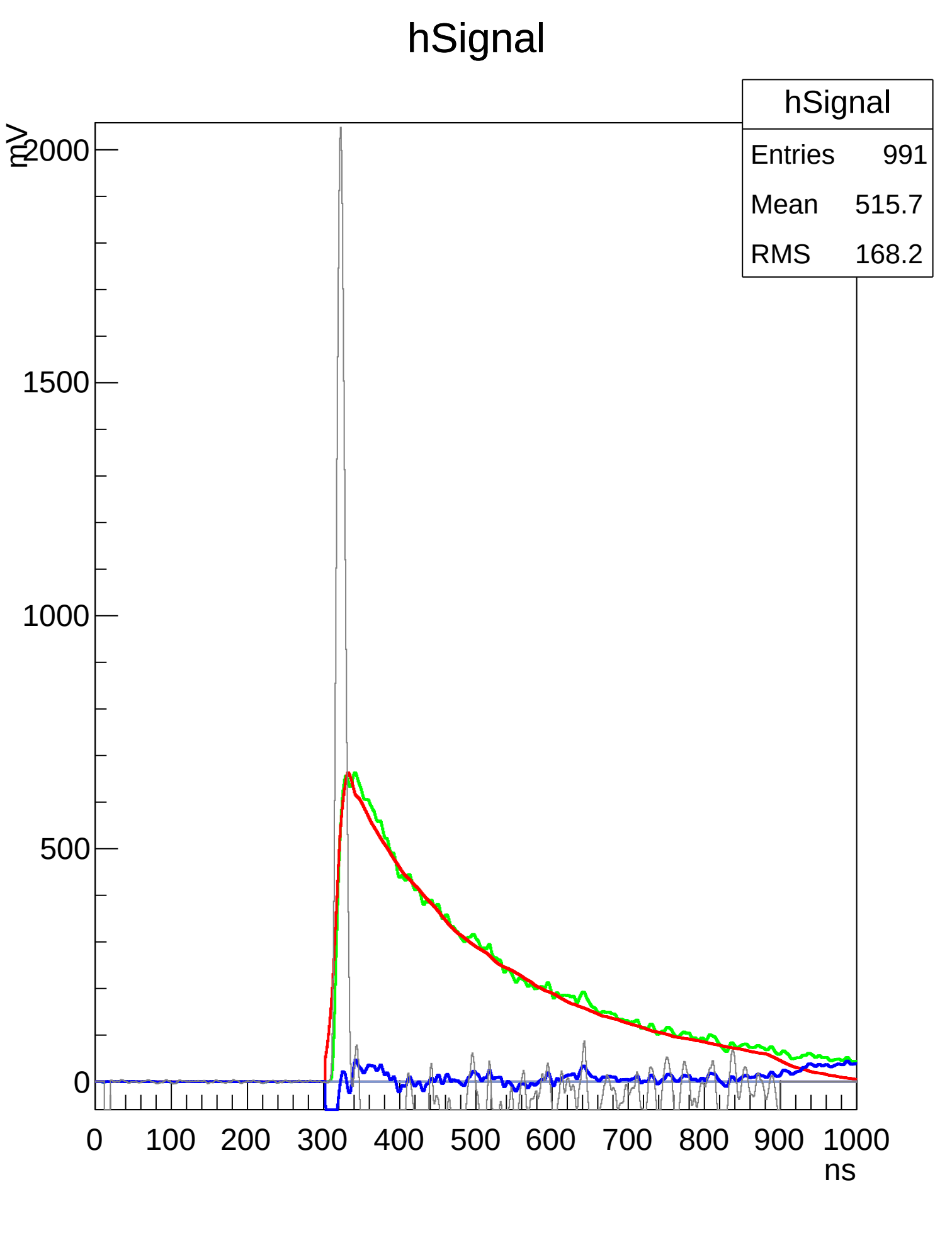
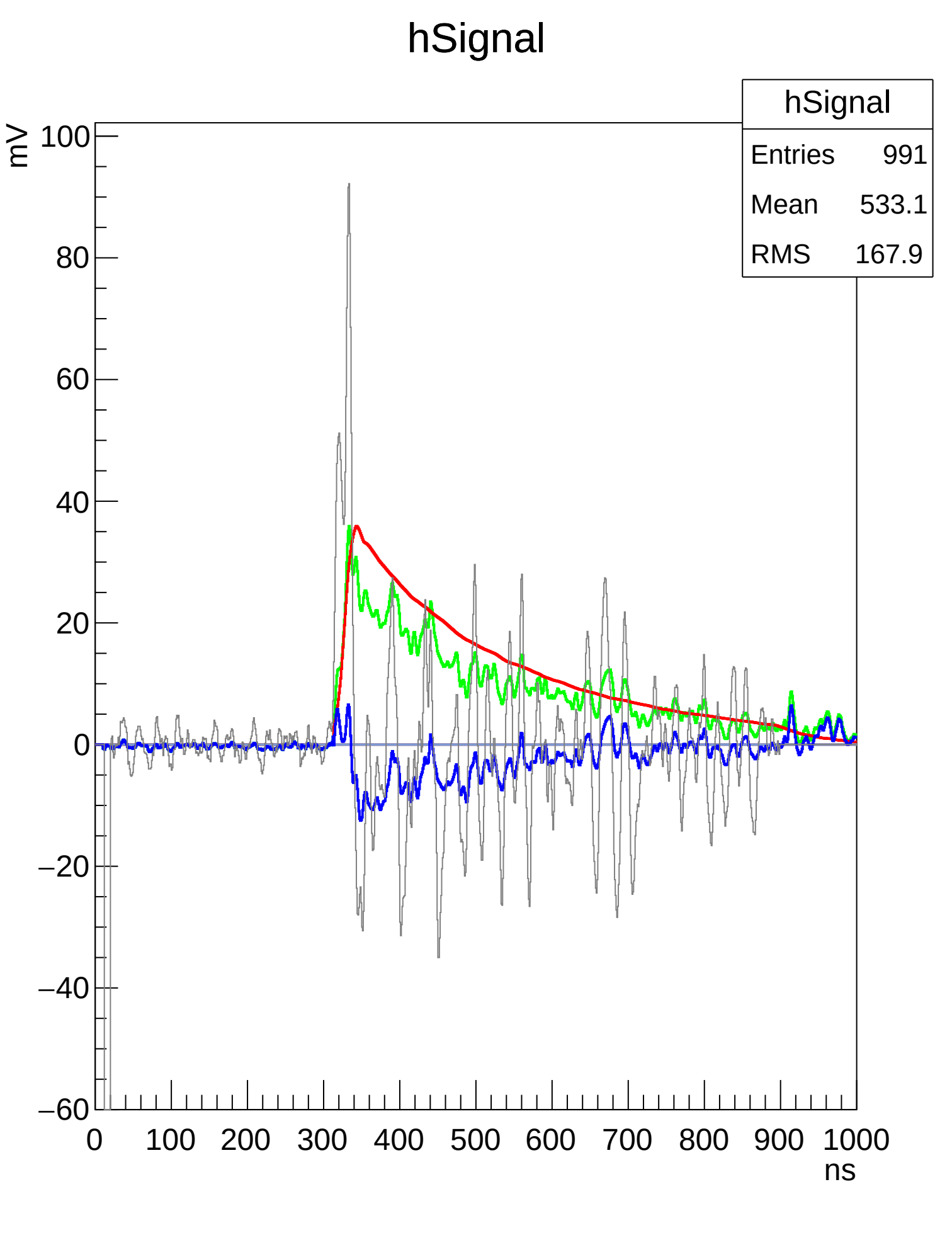
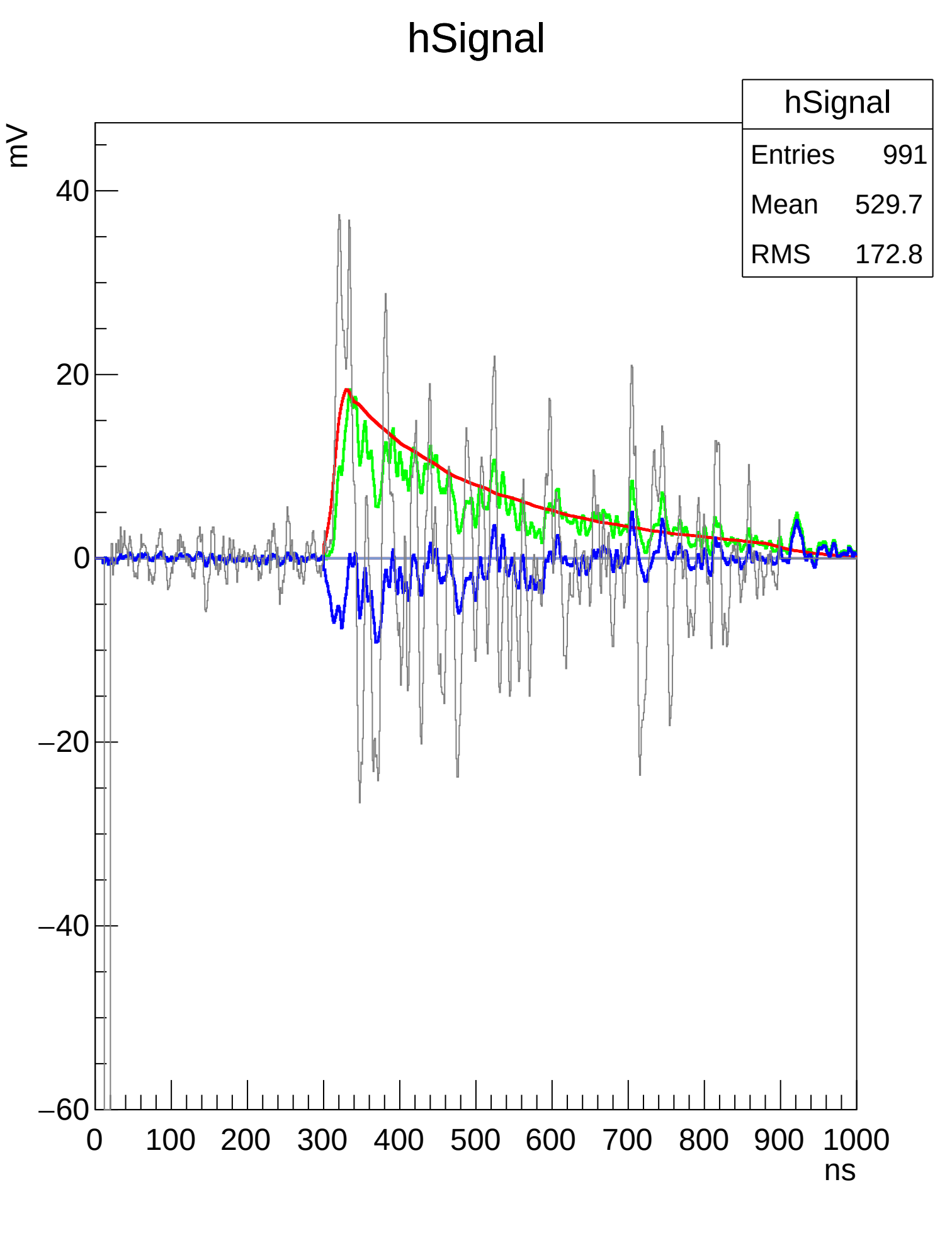
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.7
RMS 168.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.1
RMS 167.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.7
RMS 172.8
mV
40
20
0
−20
−40
−60
0
100
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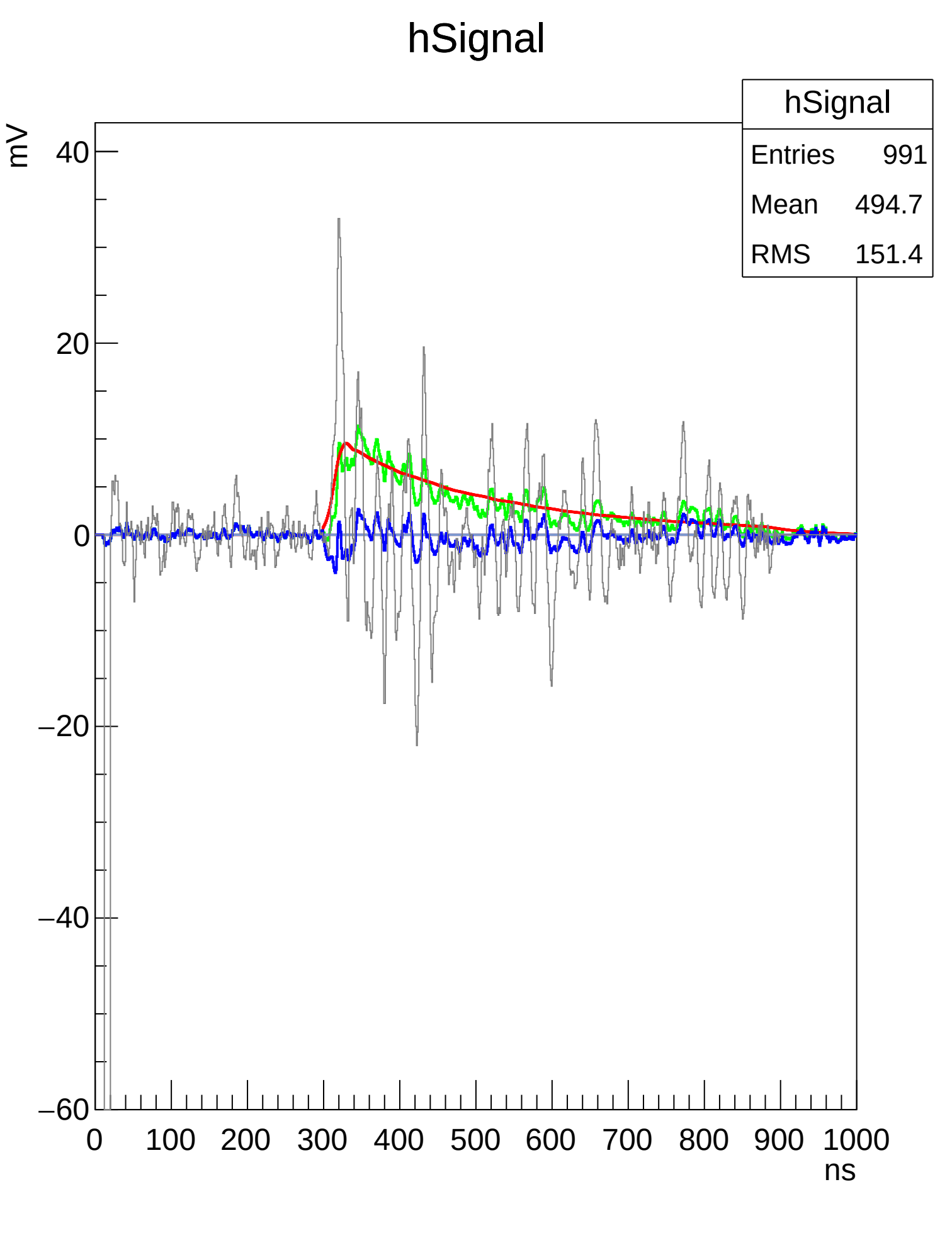
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.7
RMS 151.4
mV
40
20
0
−20
−40
−60
0
100
200
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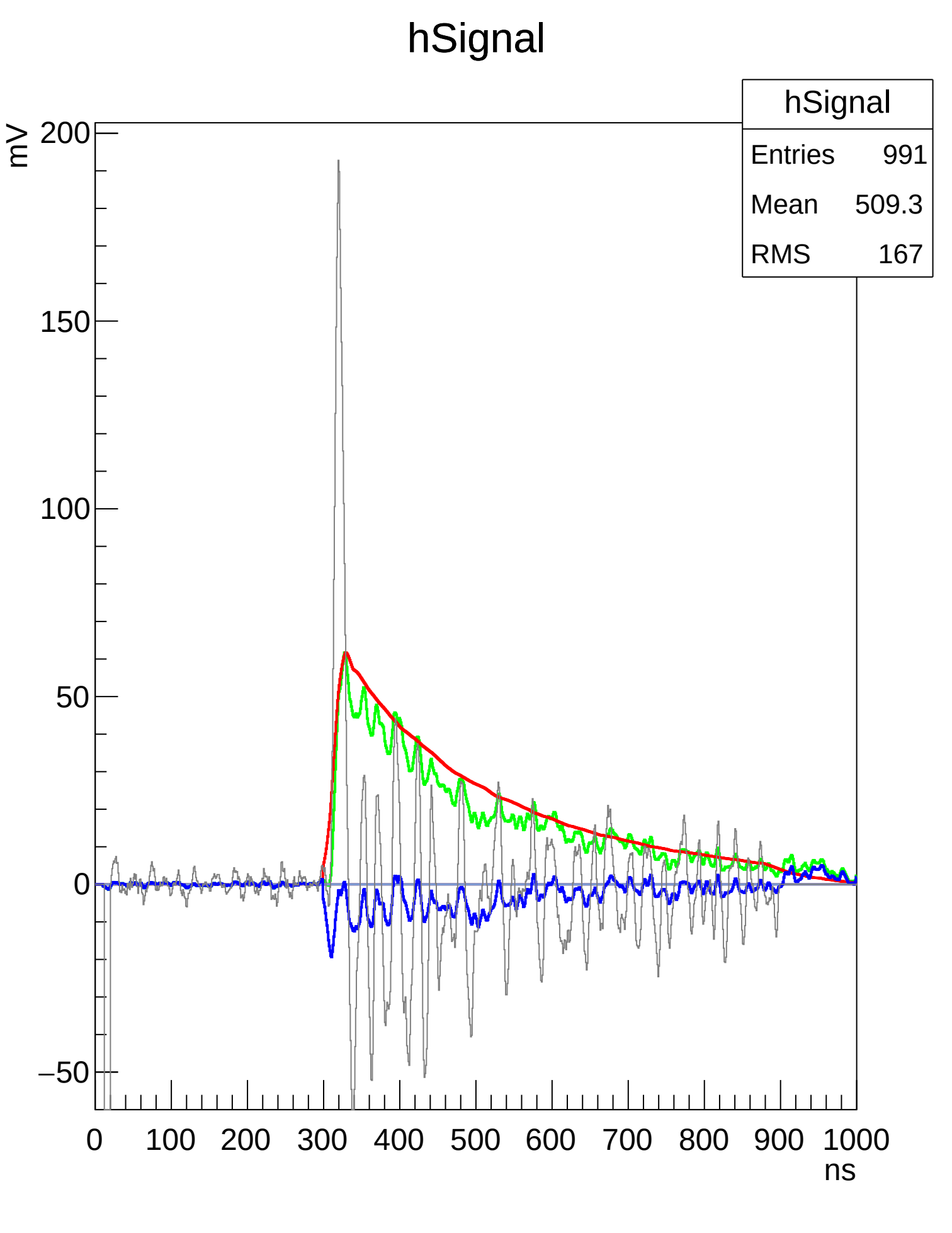
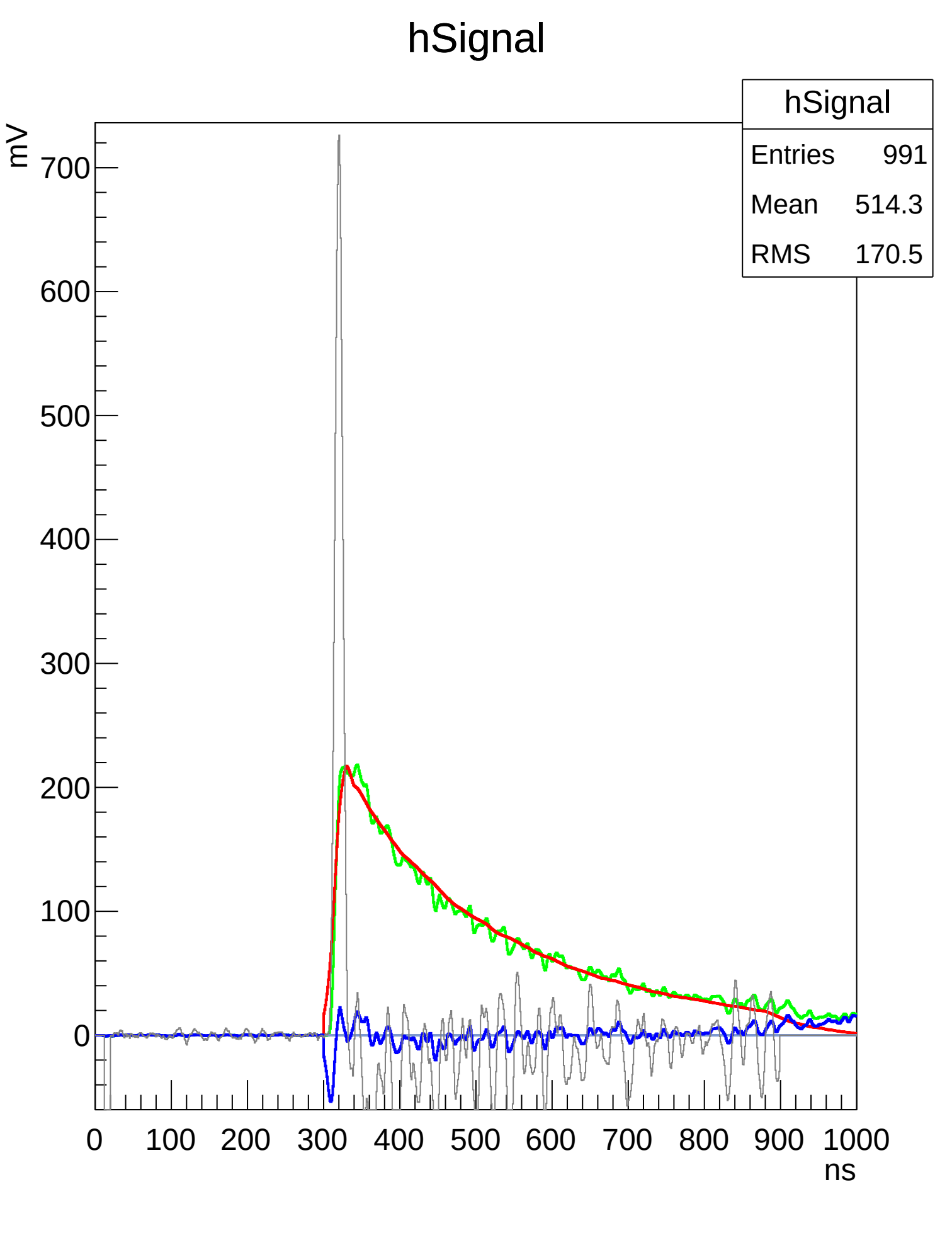
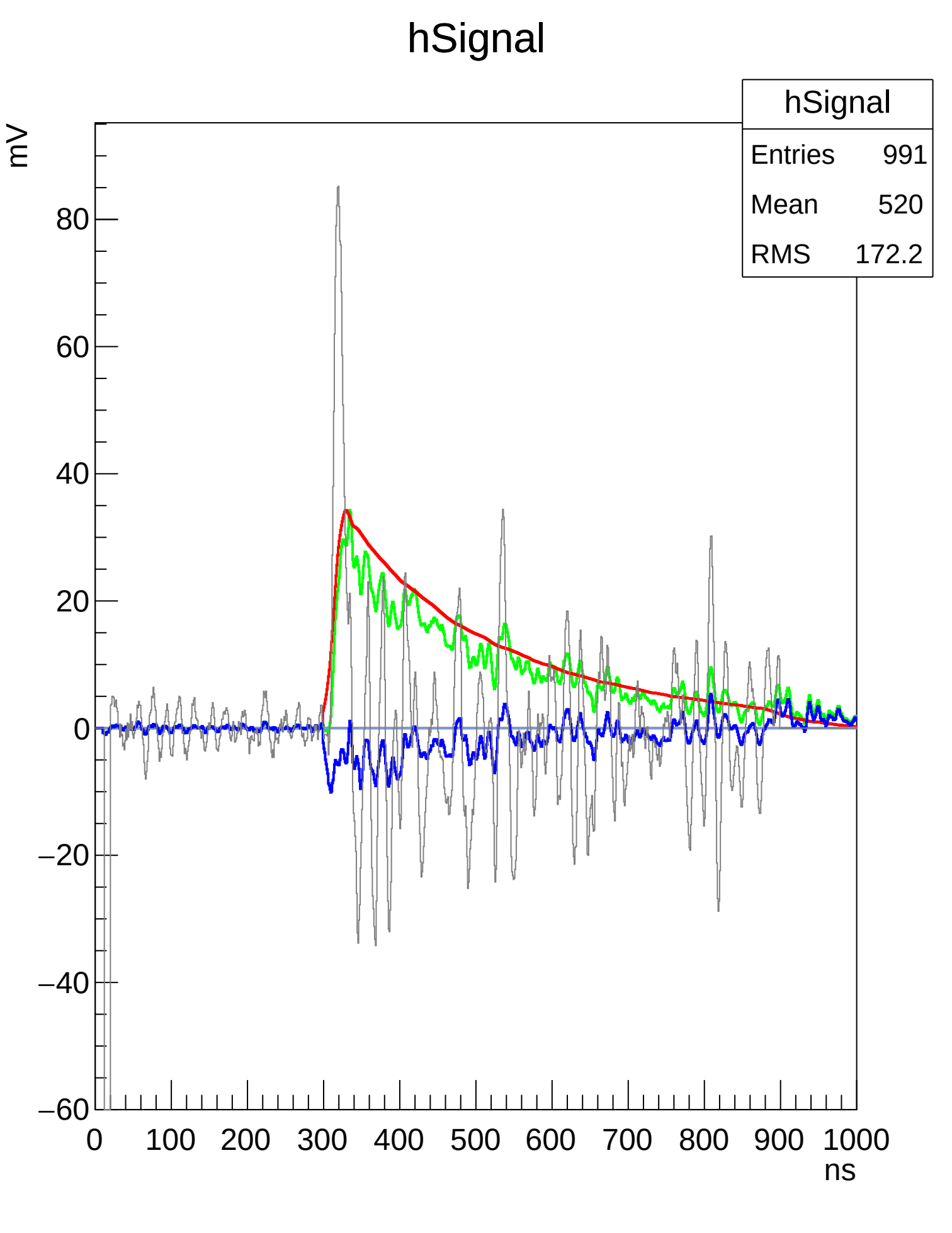
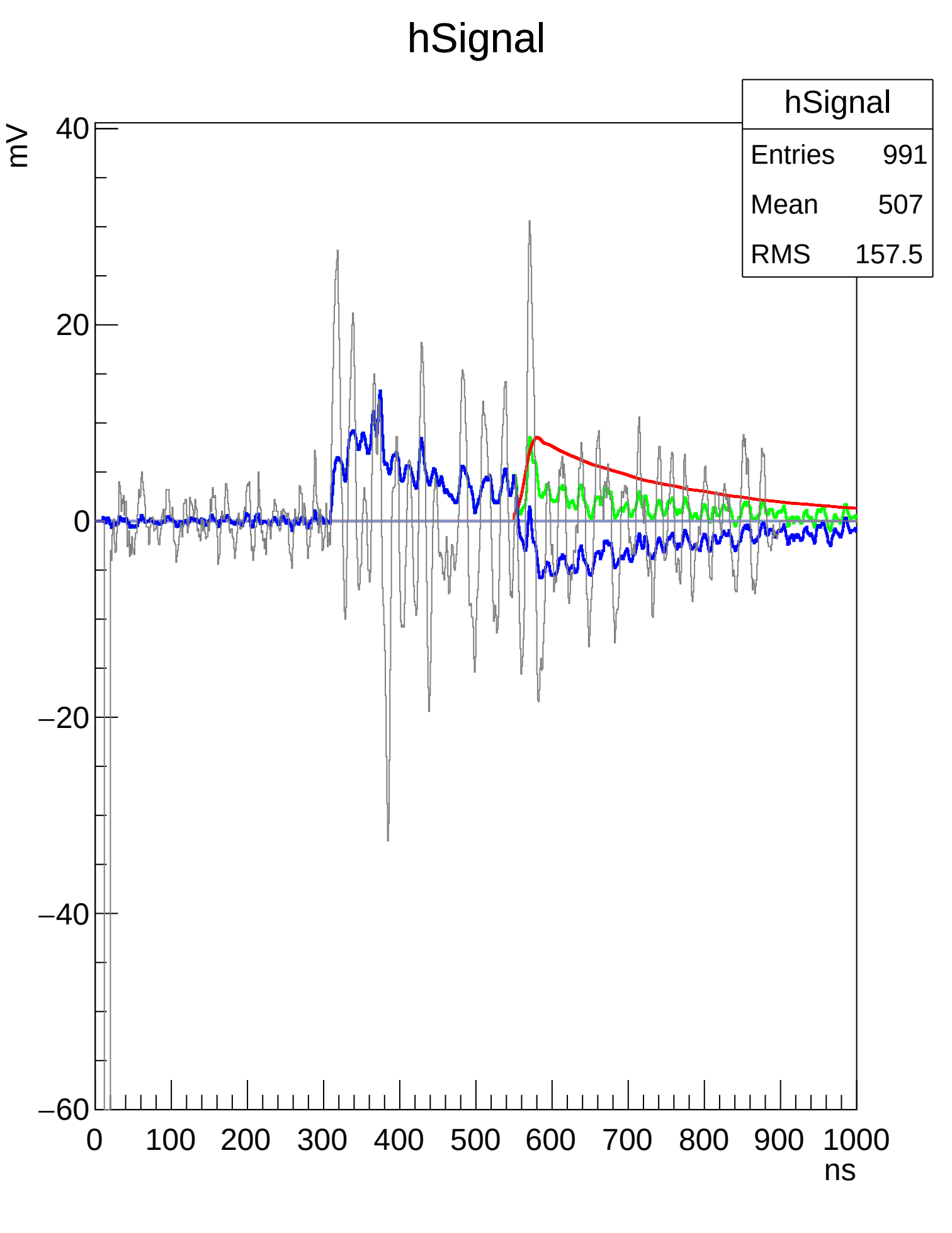
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.3
RMS 167
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.3
RMS 170.5
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520
RMS 172.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507
RMS 157.5
mV
40
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0
−20
−40
−60
0
100
200
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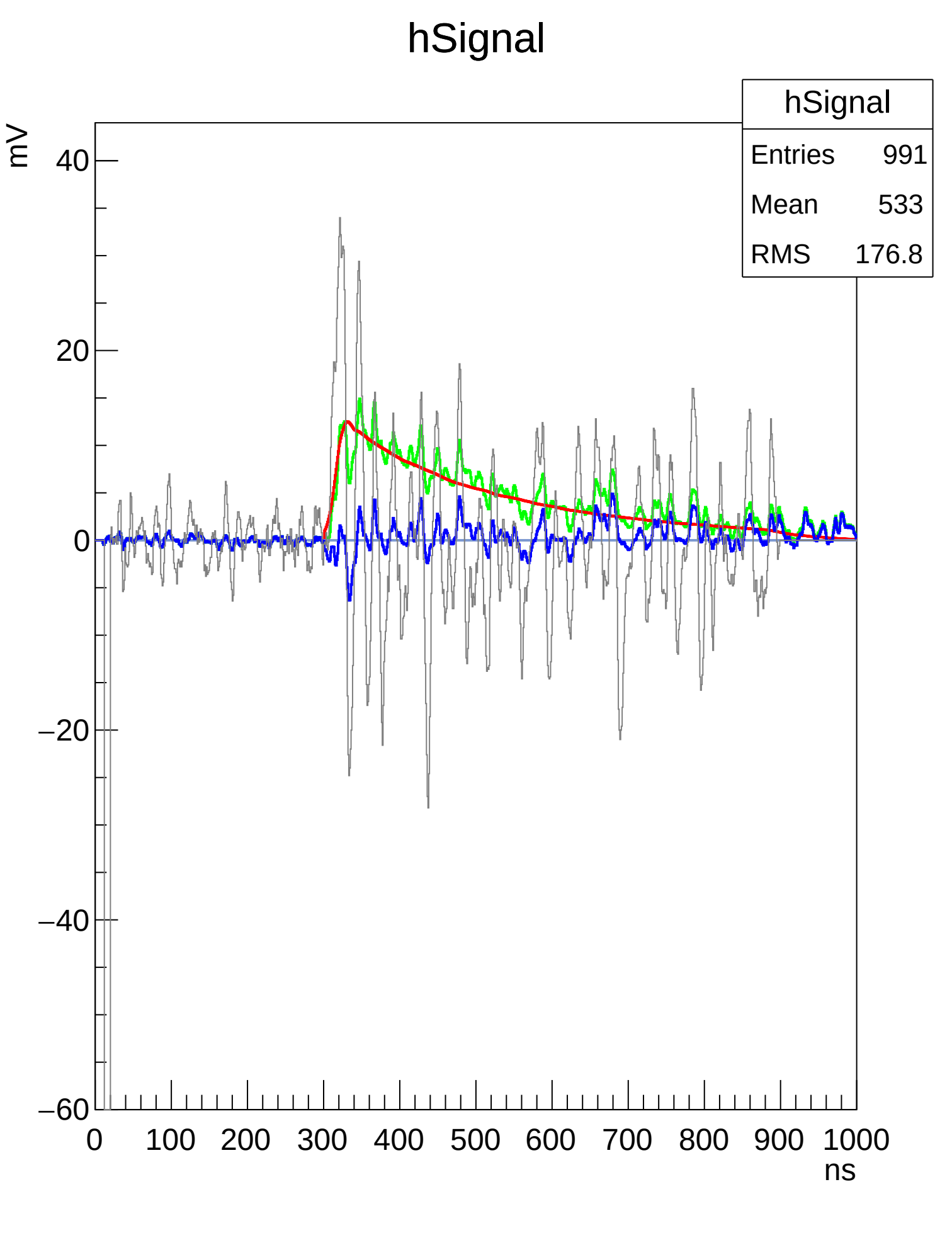
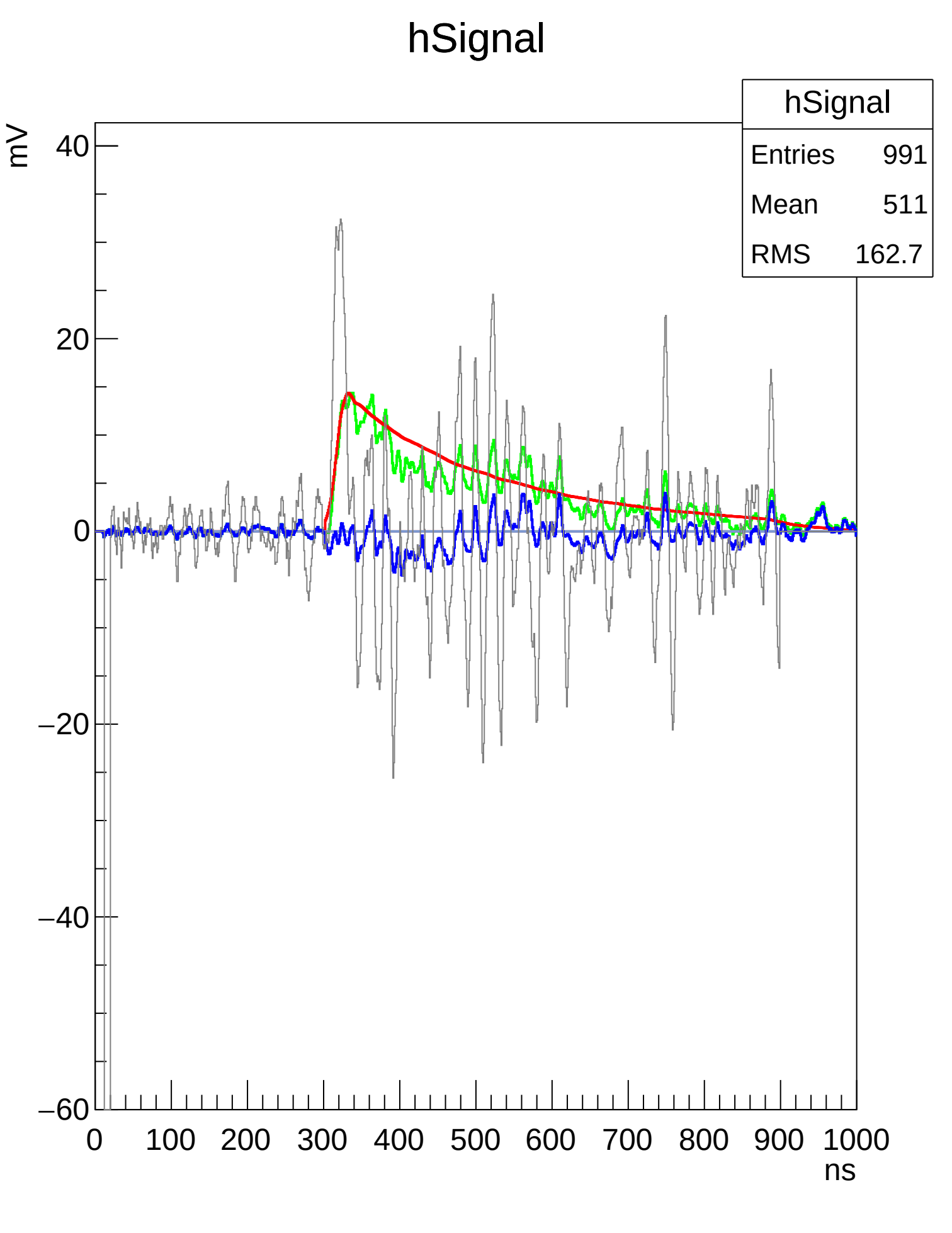
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533
RMS 176.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511
RMS 162.7
mV
40
20
0
−20
−40
−60
0
100
200
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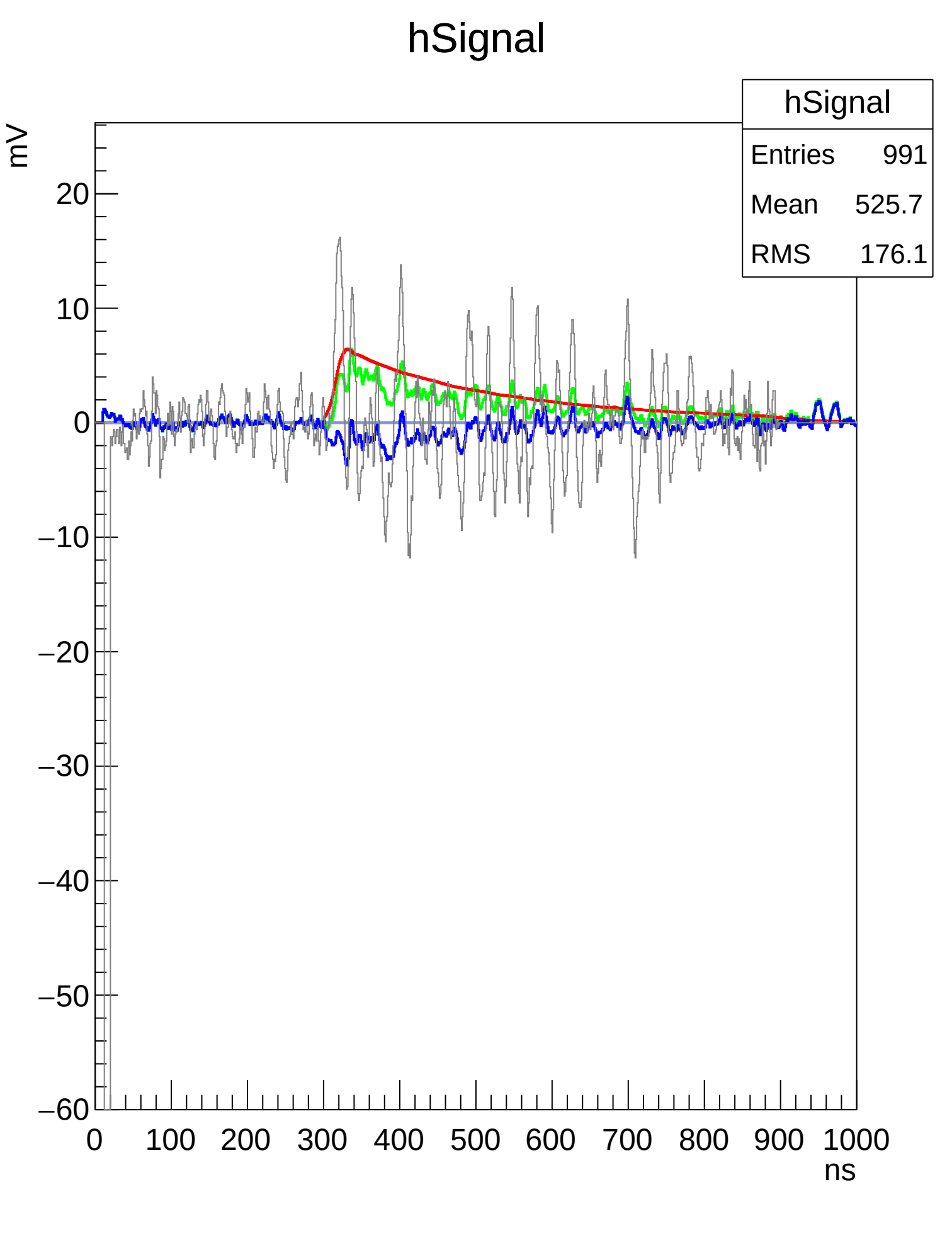
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.7
RMS 176.1
mV
20
10
0
−10
−20
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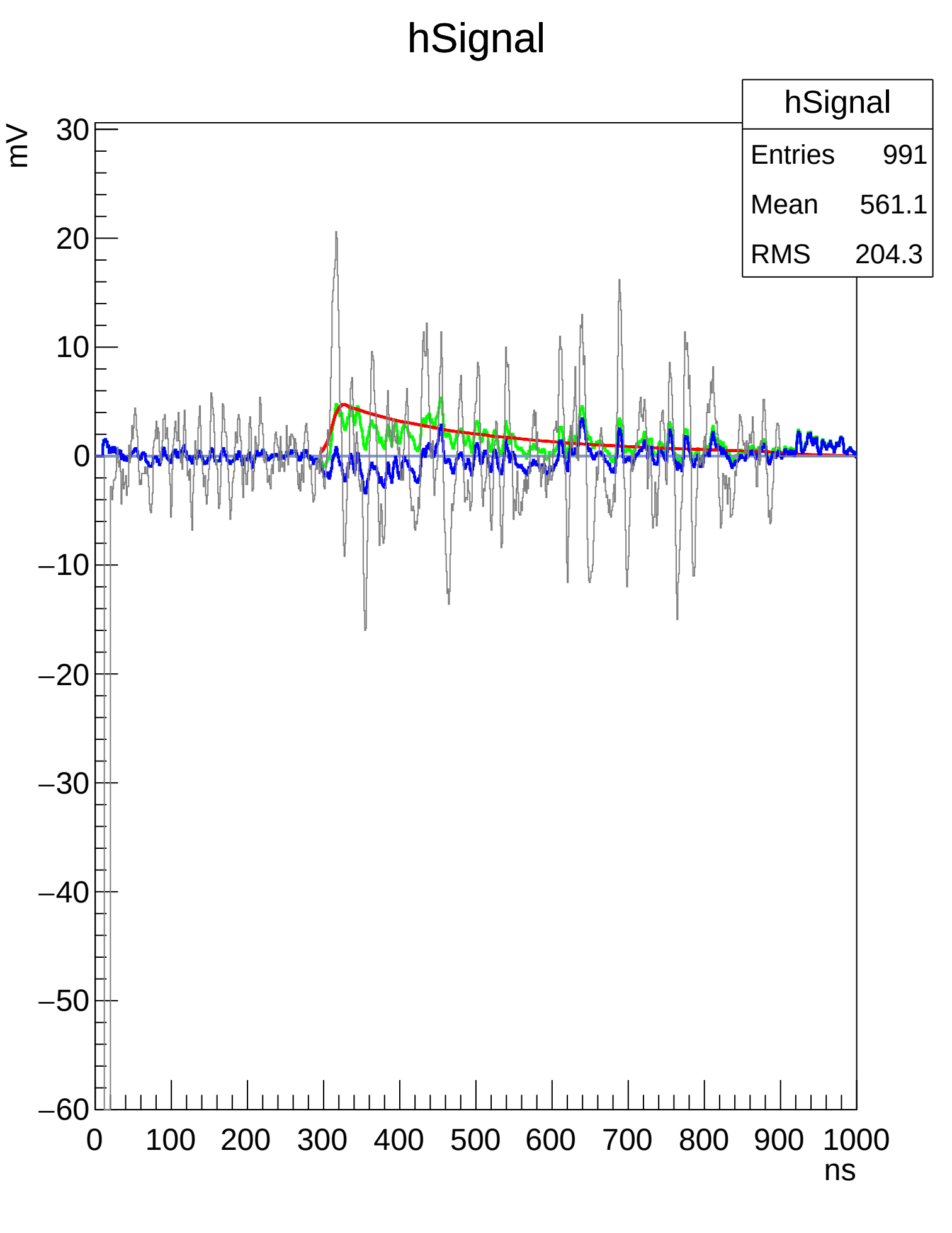
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.1
RMS 204.3
mV
30
20
10
0
−10
−20
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−40
−50
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0
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200
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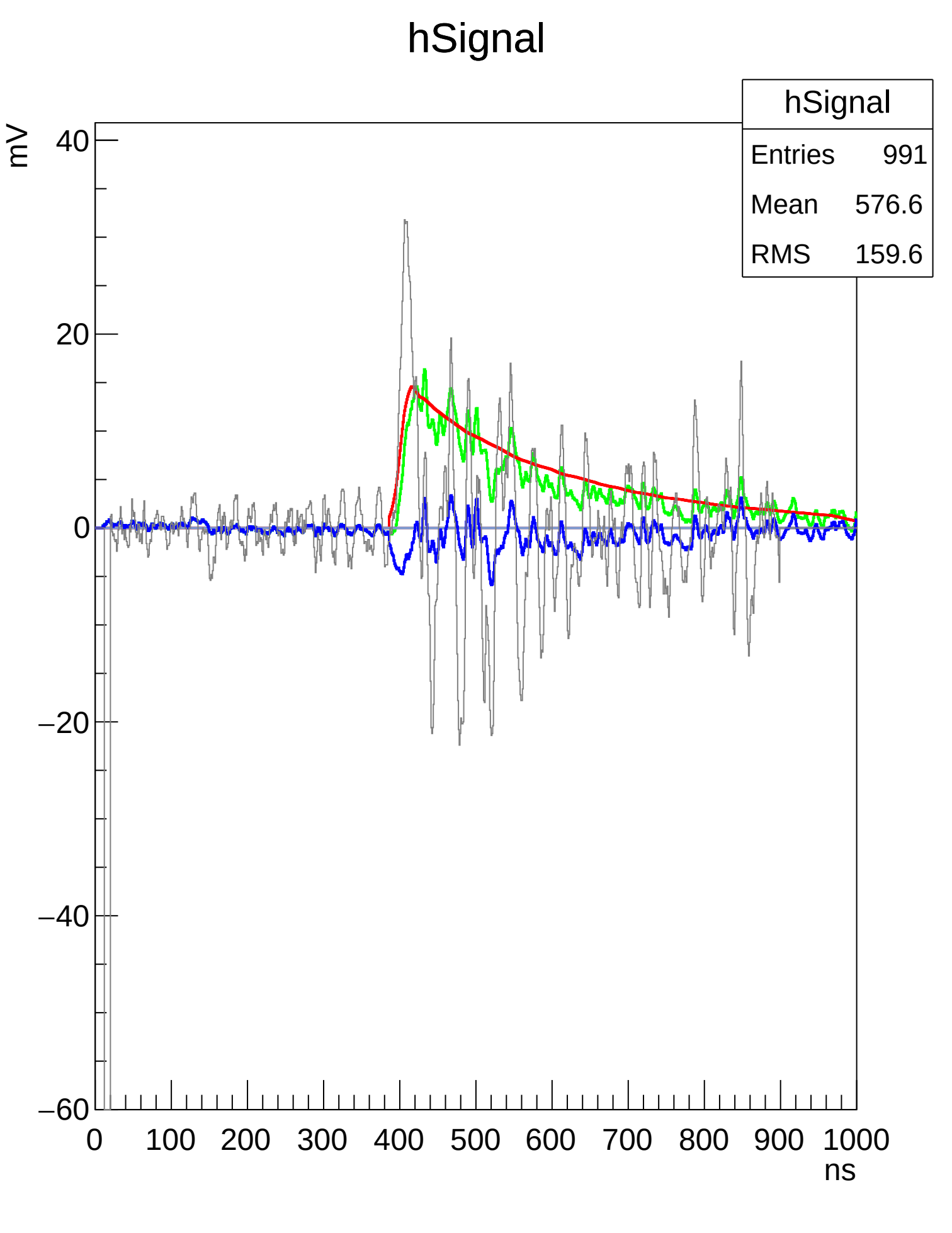
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.6
RMS 159.6
mV
40
20
0
−20
−40
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0
100
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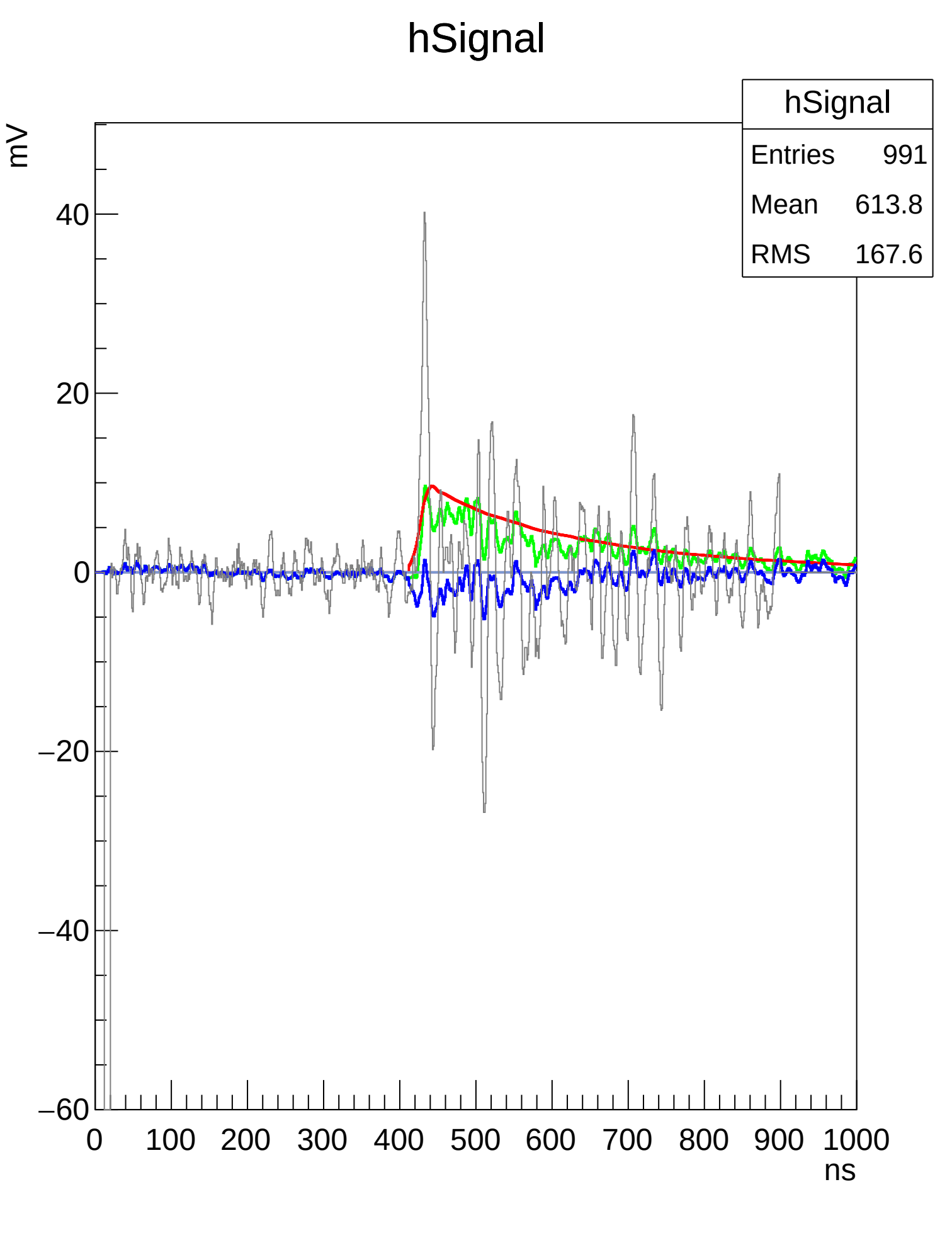
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.8
RMS 167.6
mV
40
20
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−20
−40
−60
0
100
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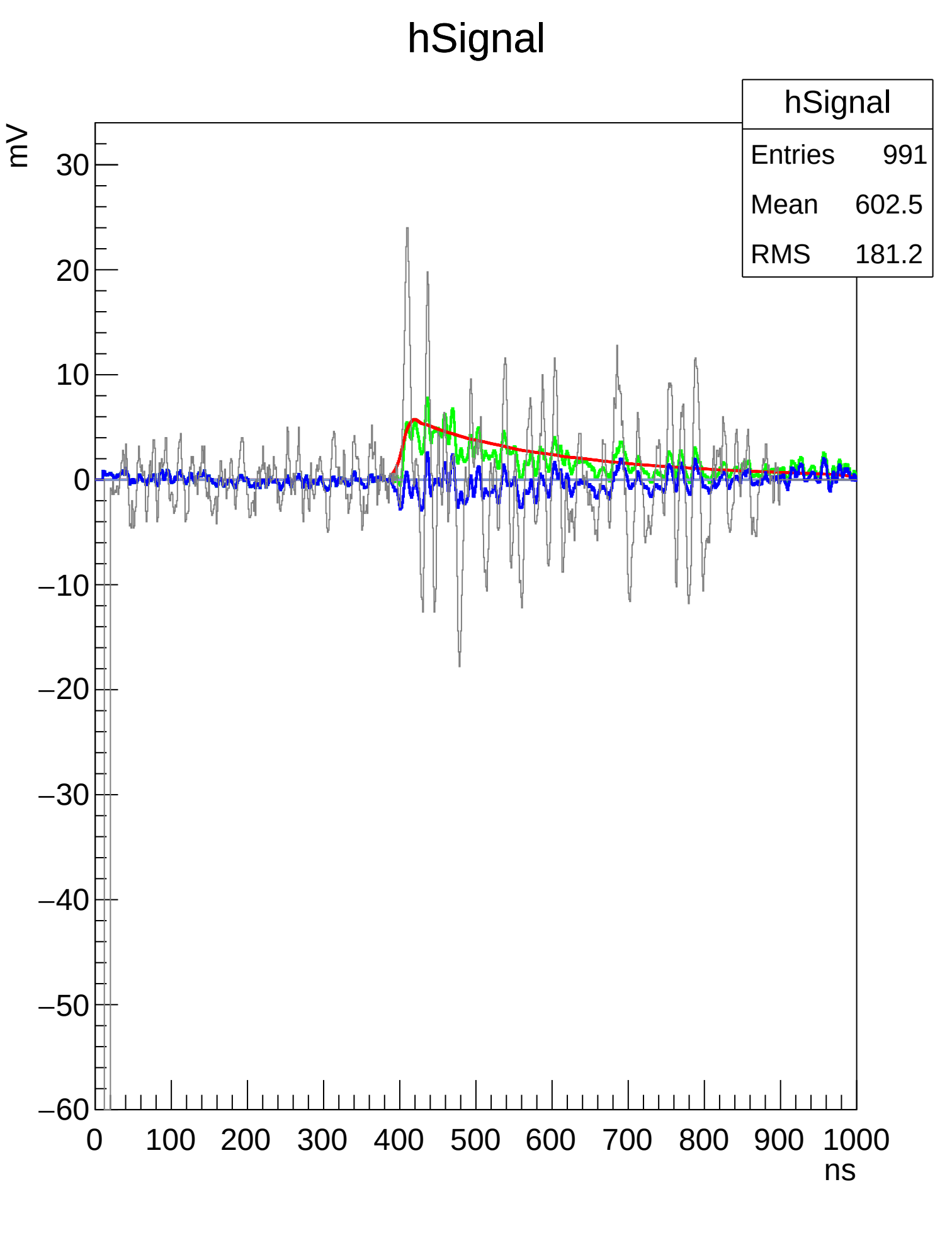
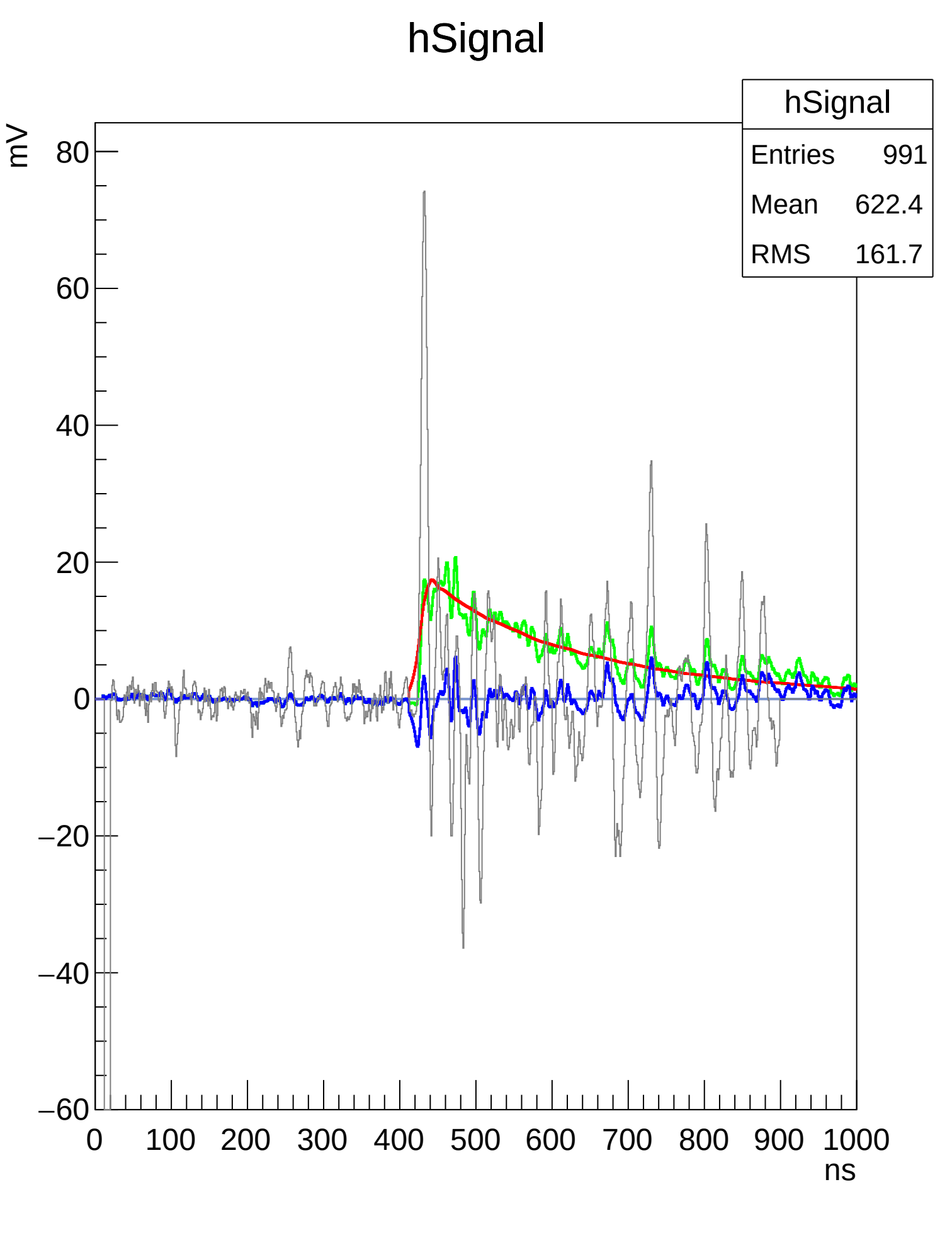
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 181.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.4
RMS 161.7
mV
80
60
40
20
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−20
−40
−60
0
100
200
300
400
500
600
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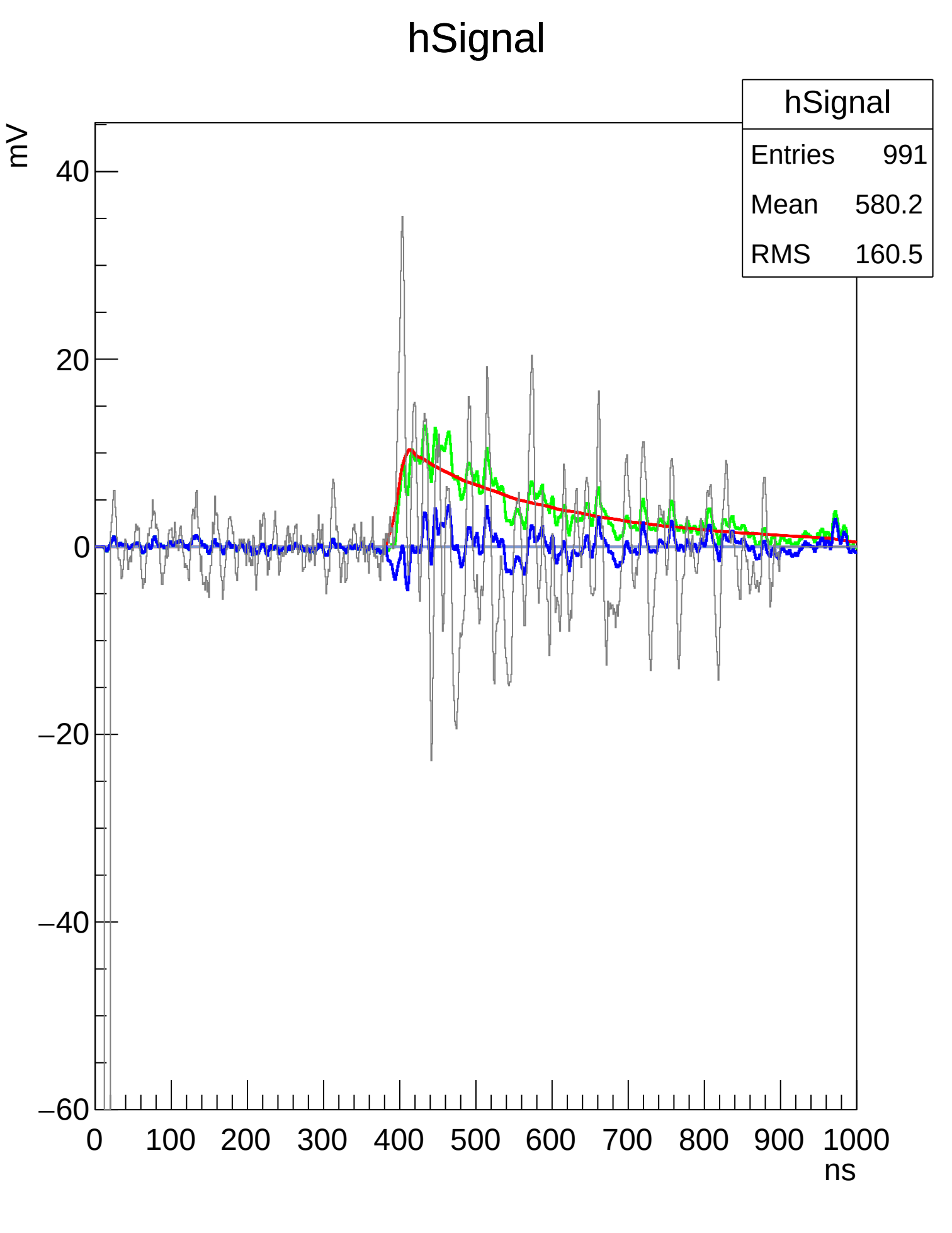
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.2
RMS 160.5
mV
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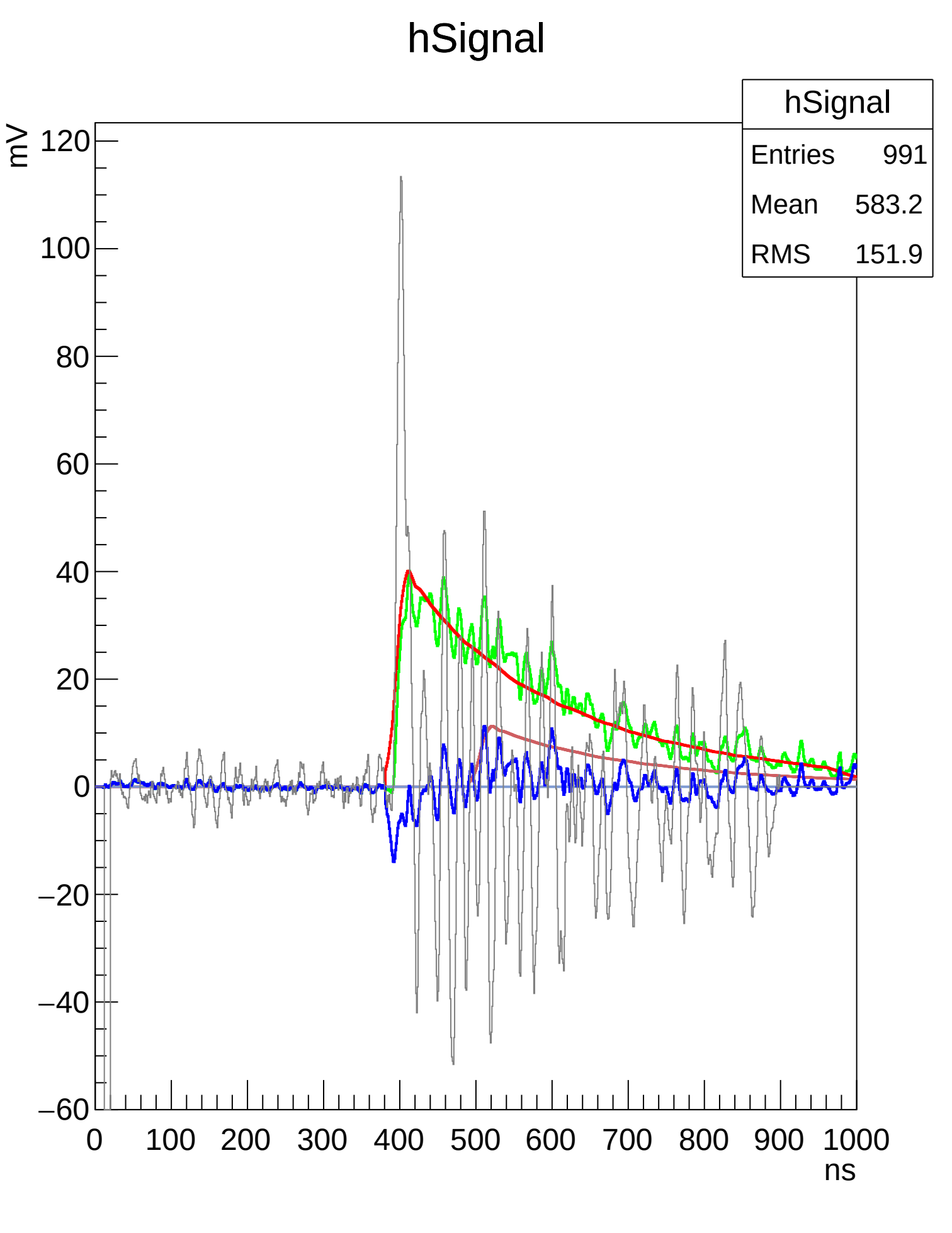
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.2
RMS 151.9
mV
120
100
80
60
40
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0
−20
−40
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0
100
200
300
400
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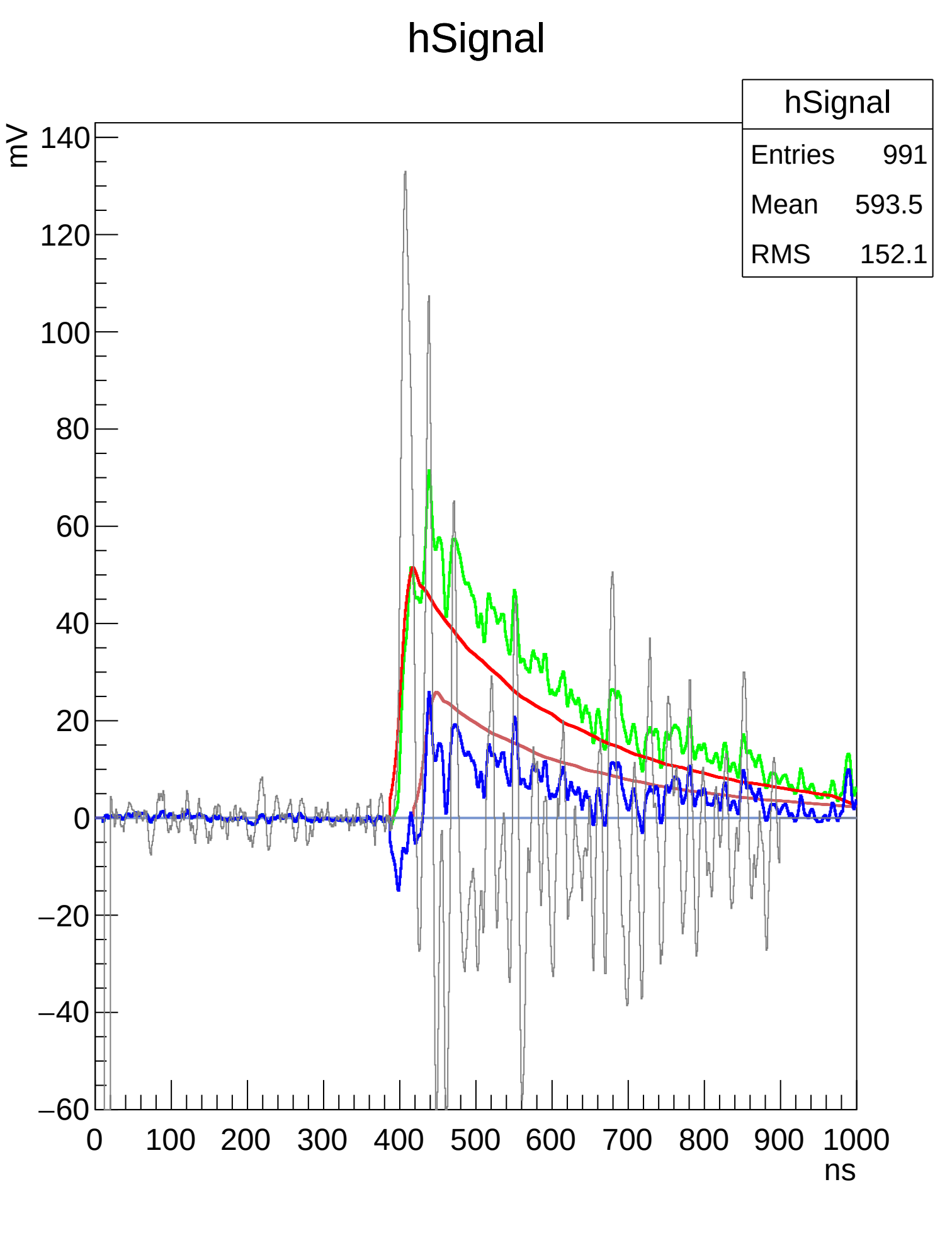
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.5
RMS 152.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
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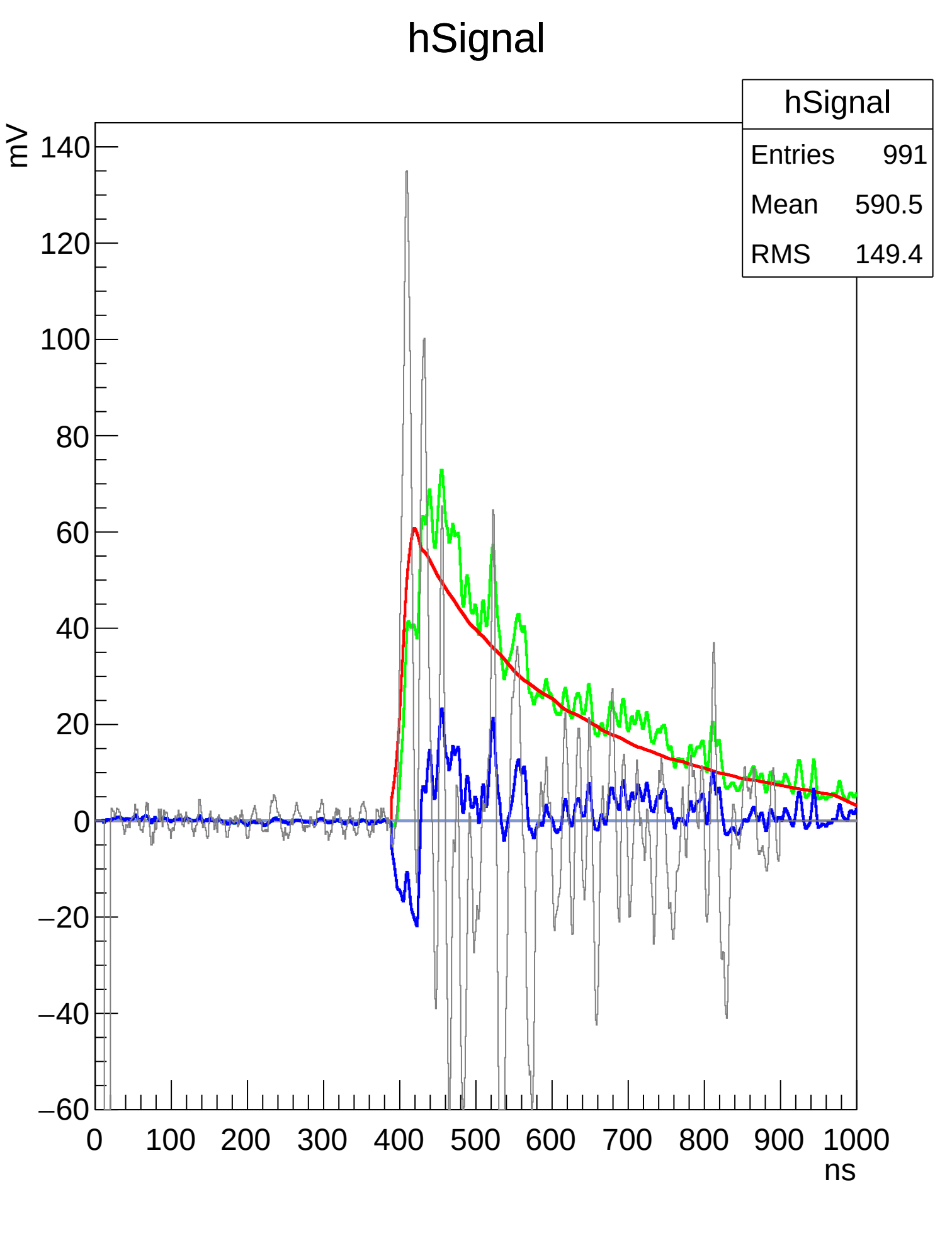
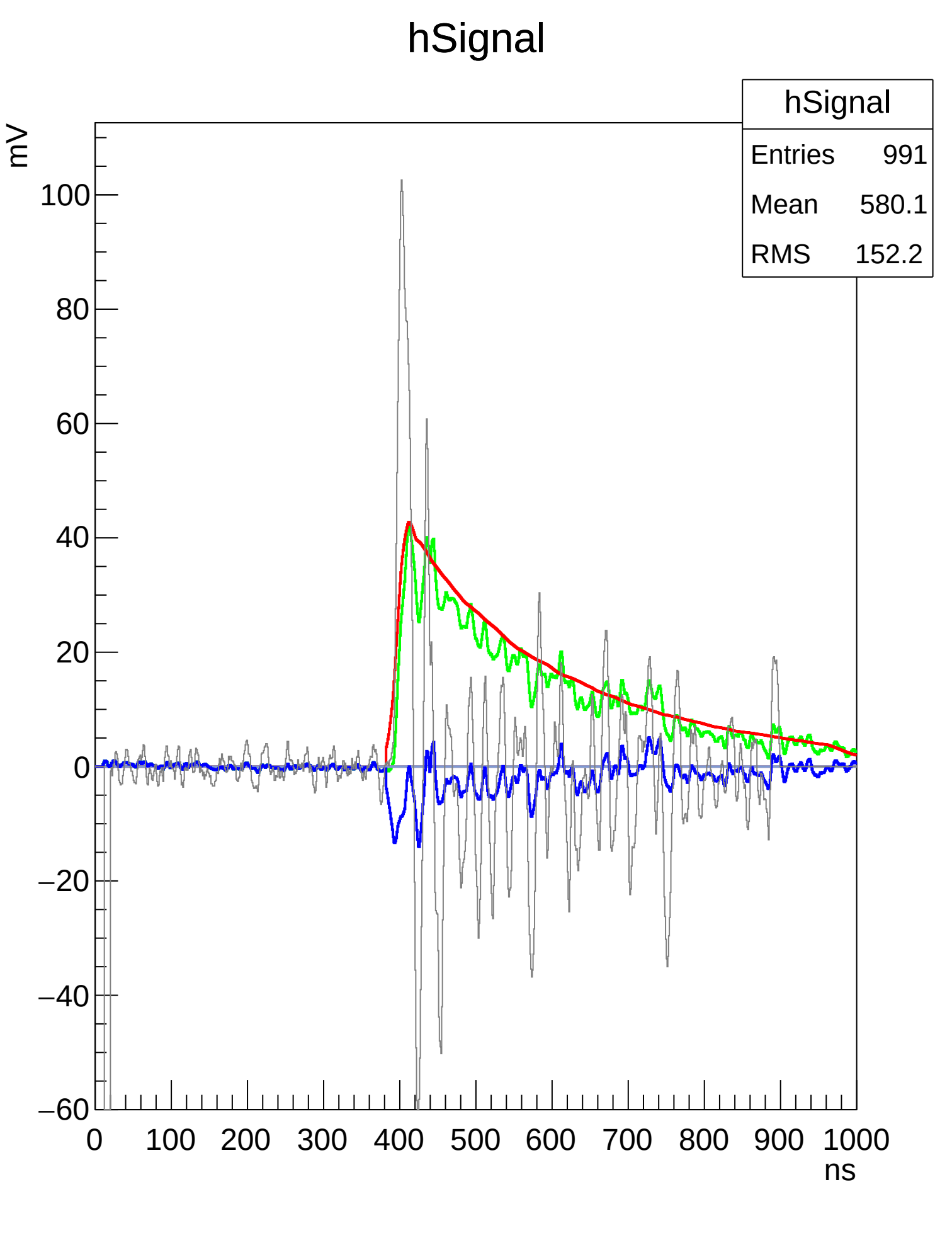
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 149.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.1
RMS 152.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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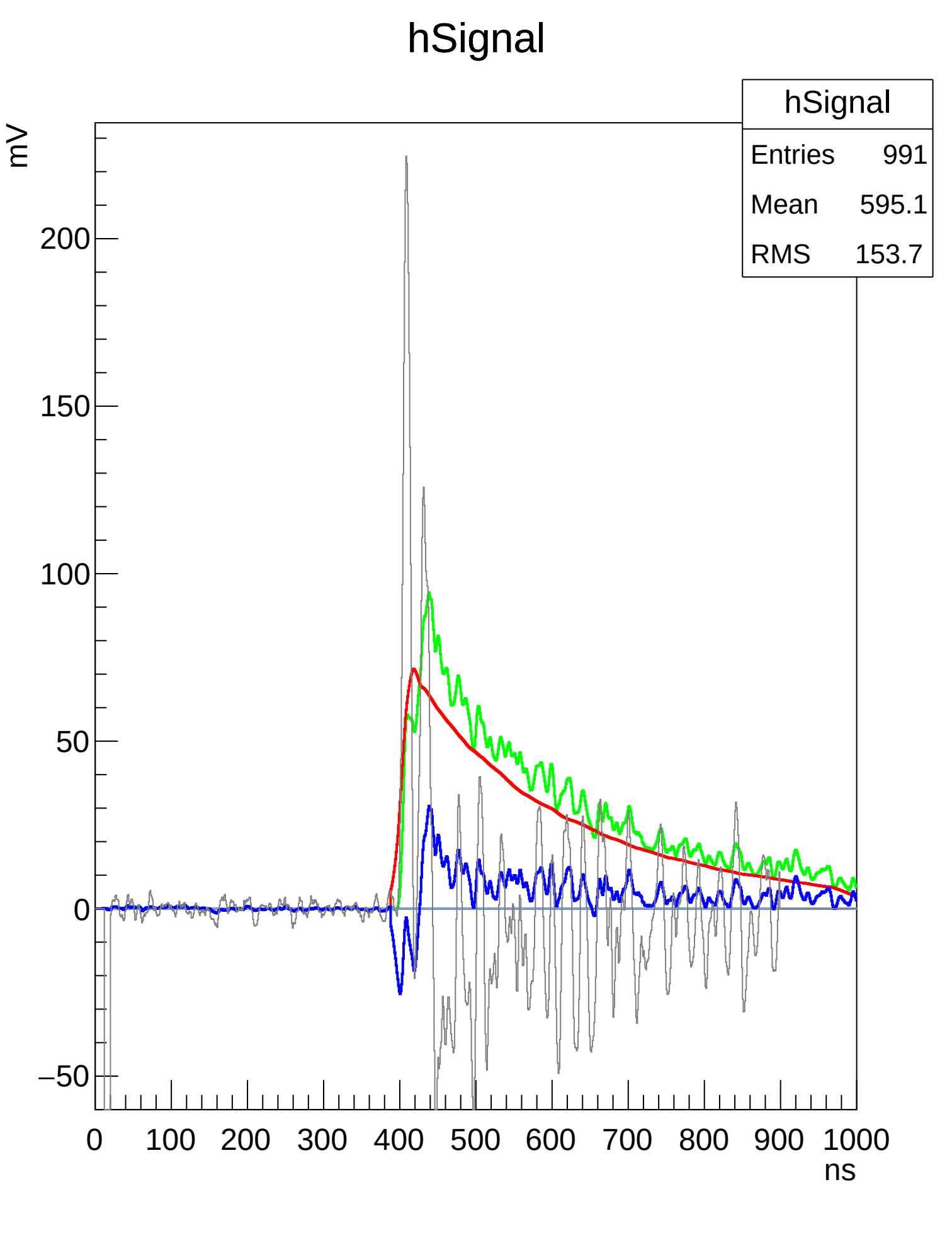
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.1
RMS 153.7
mV
200
150
100
50
0
−50
0
100
200
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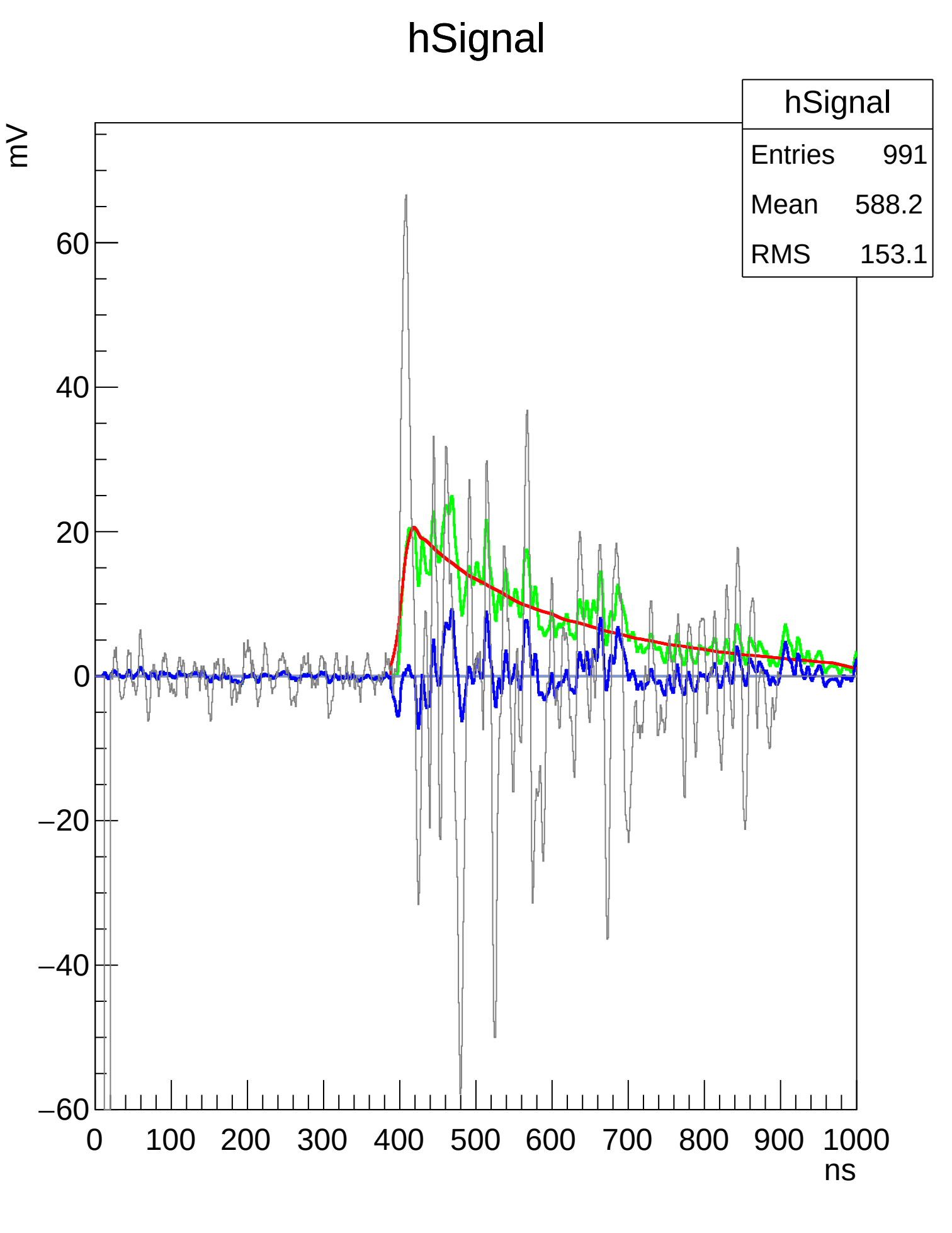
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.2
RMS 153.1
mV
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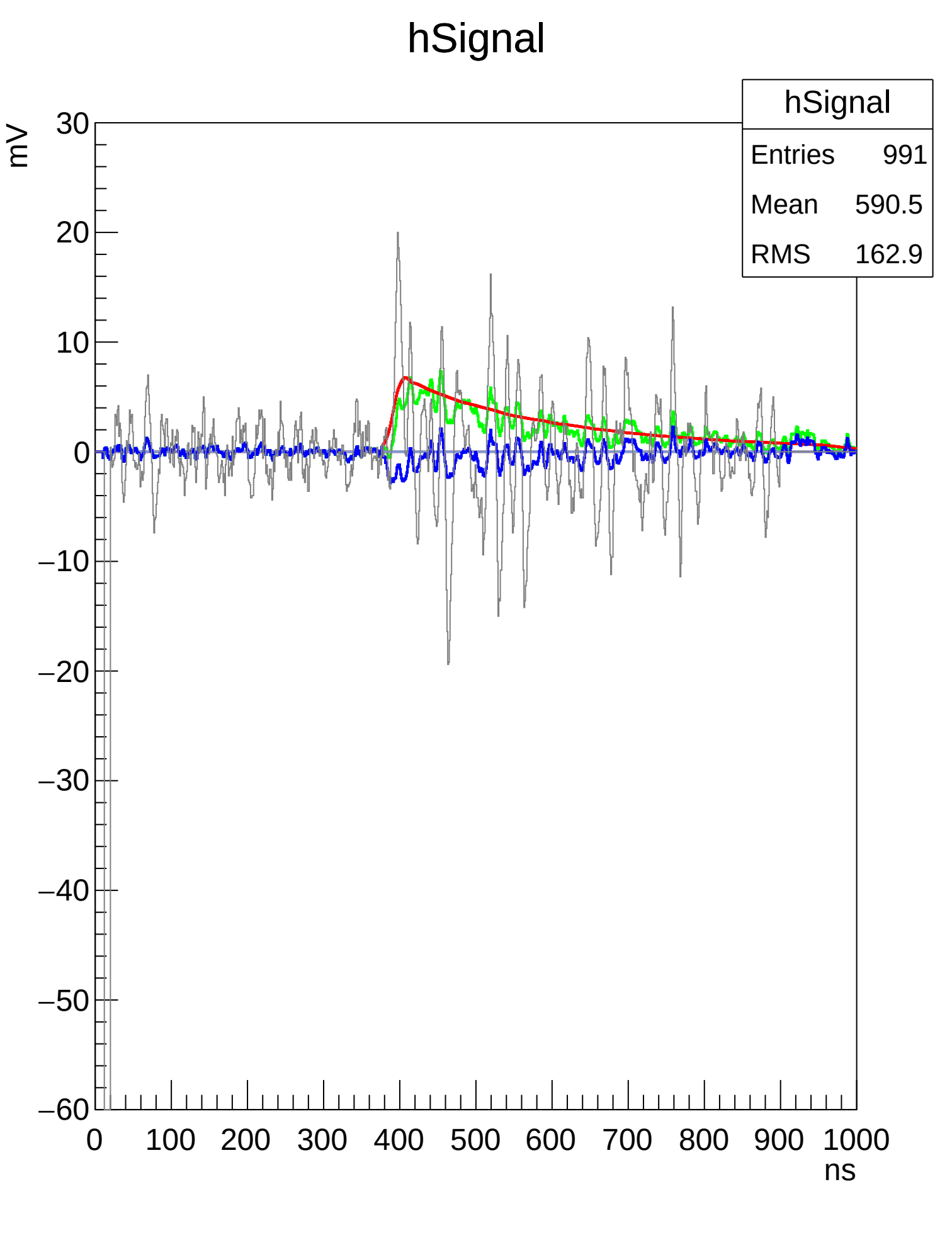
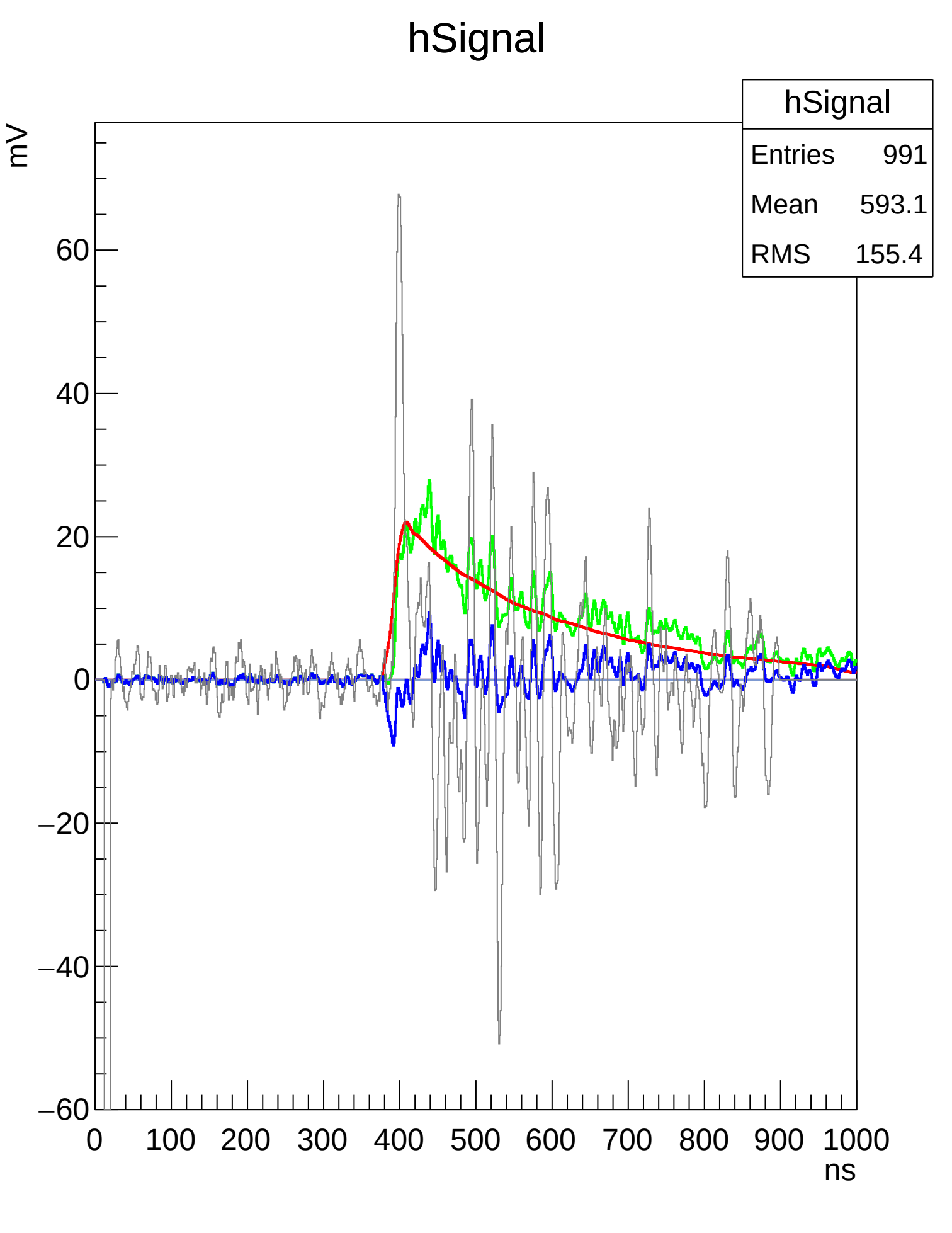
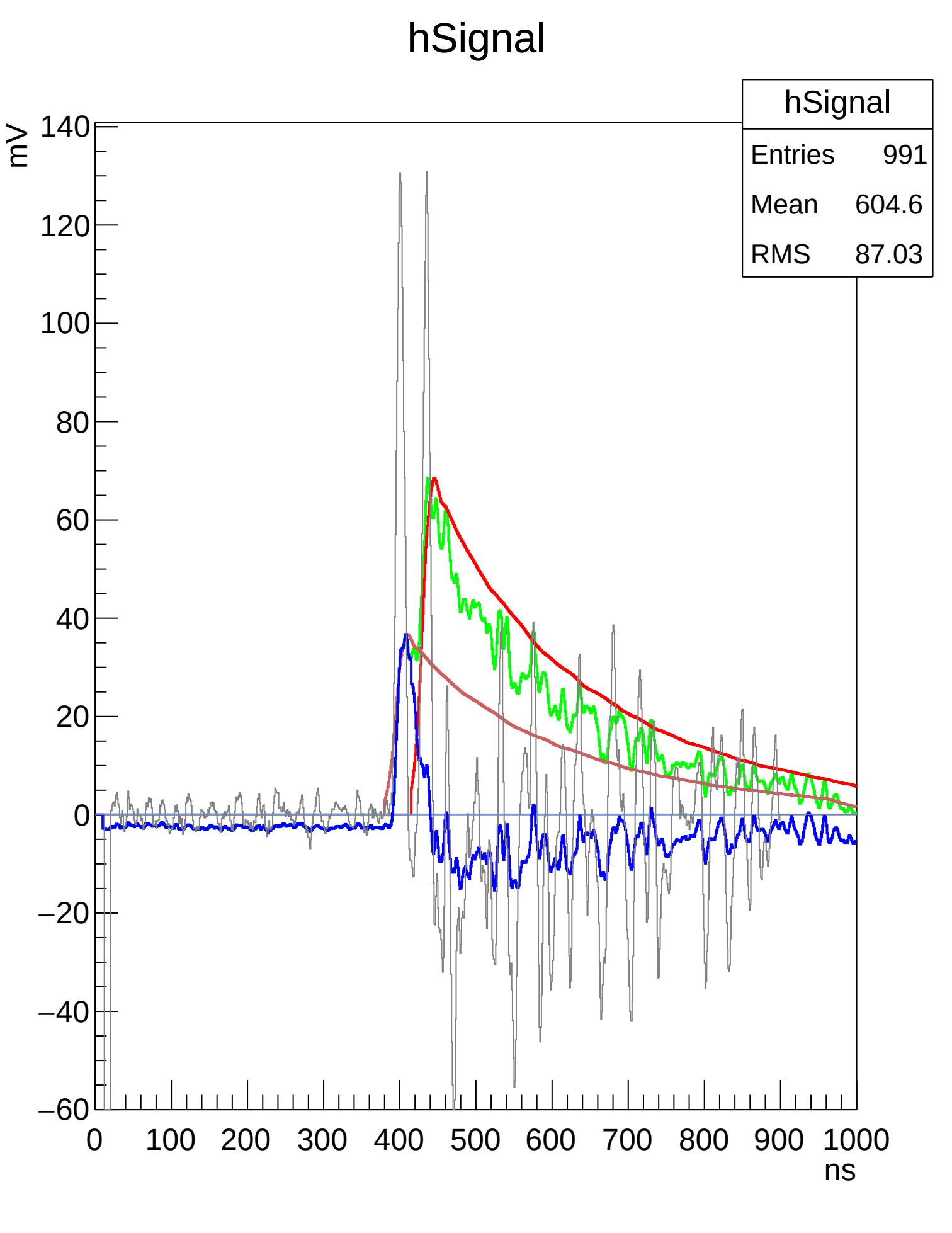
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 162.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.1
RMS 155.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.6
RMS 87.03
mV
140
120
100
80
60
40
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−20
−40
−60
0
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200
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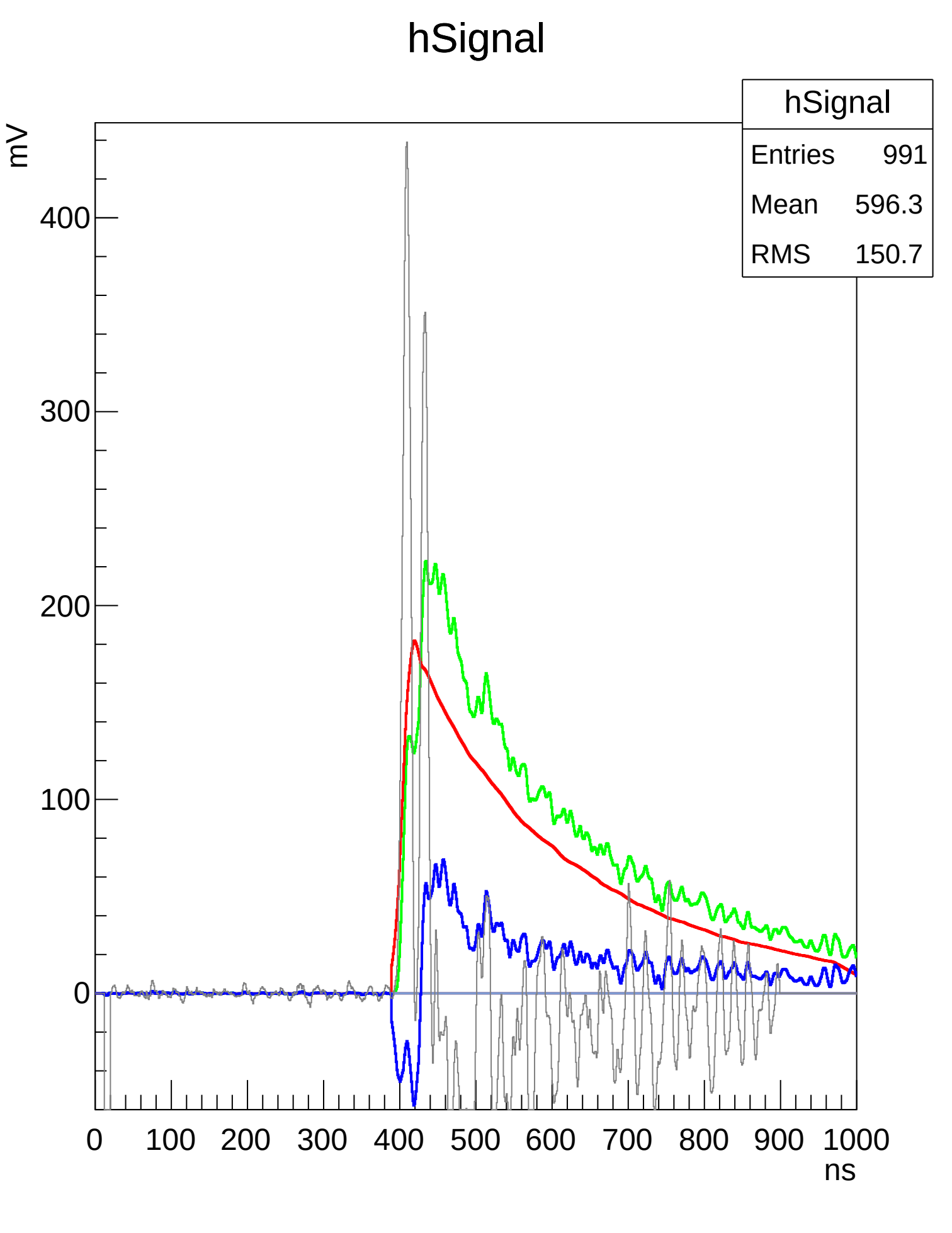
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.3
RMS 150.7
mV
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300
200
100
0
0
100
200
300
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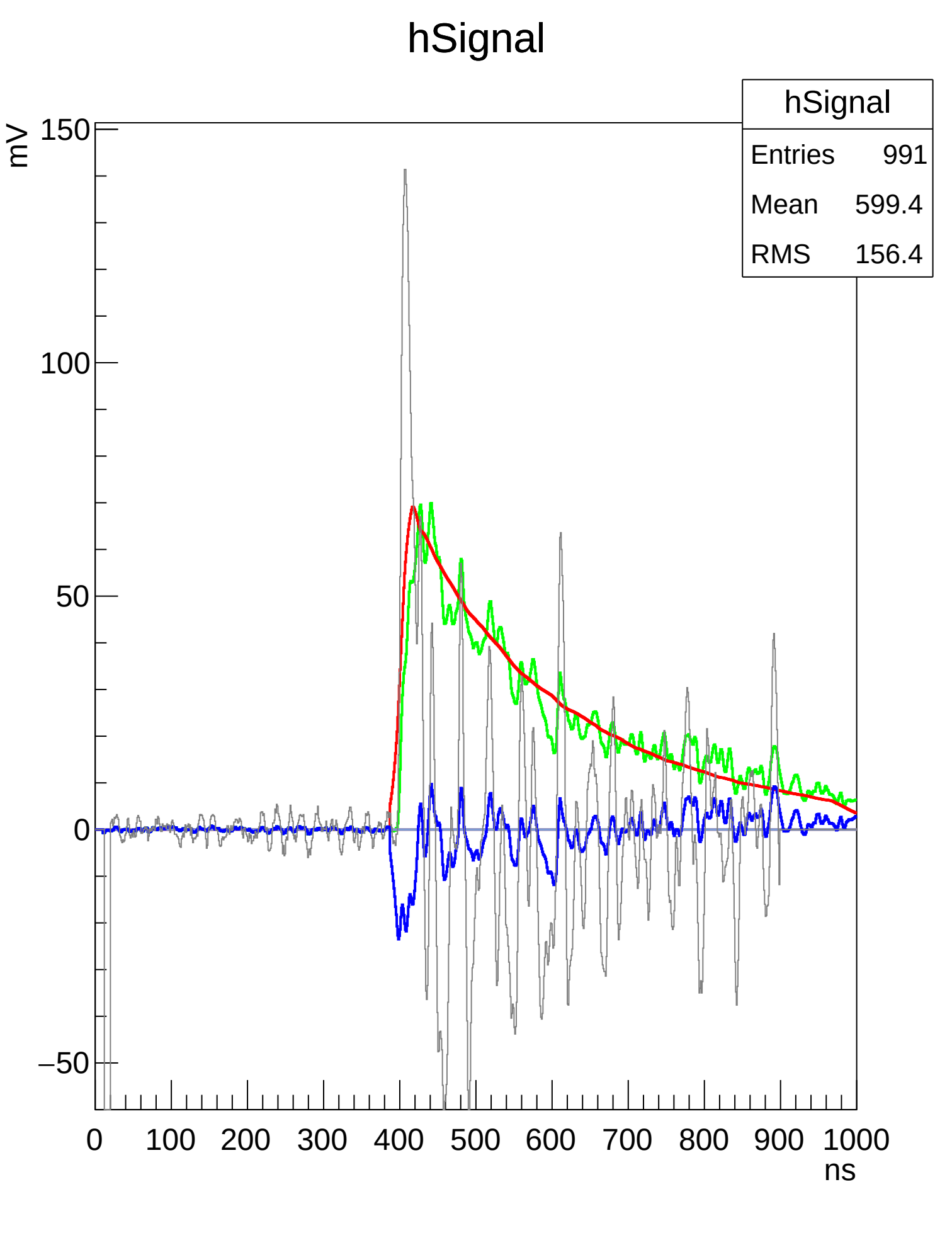
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.4
RMS 156.4
mV
150
100
50
0
−50
0
100
200
300
400
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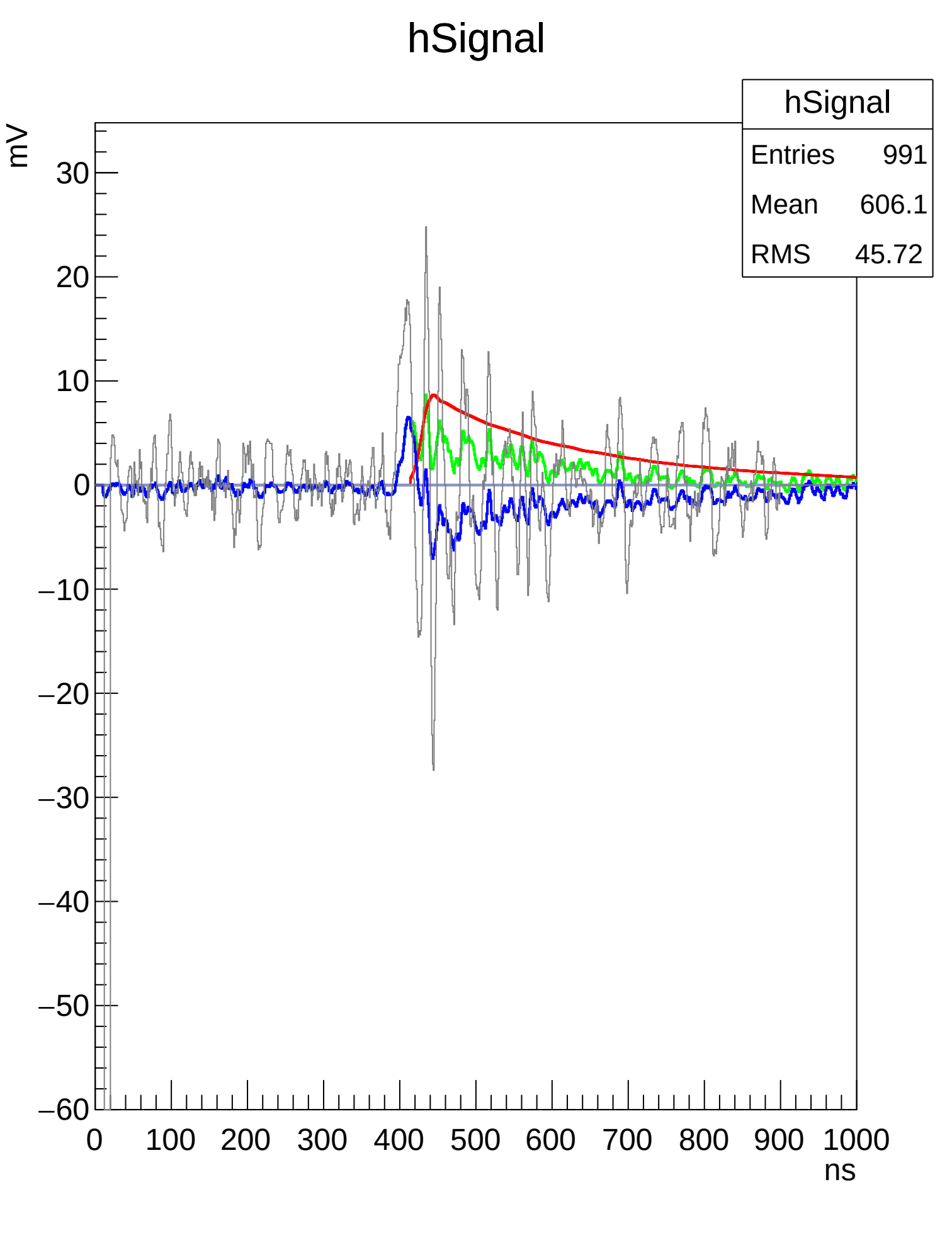
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.1
RMS 45.72
mV
30
20
10
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400
500
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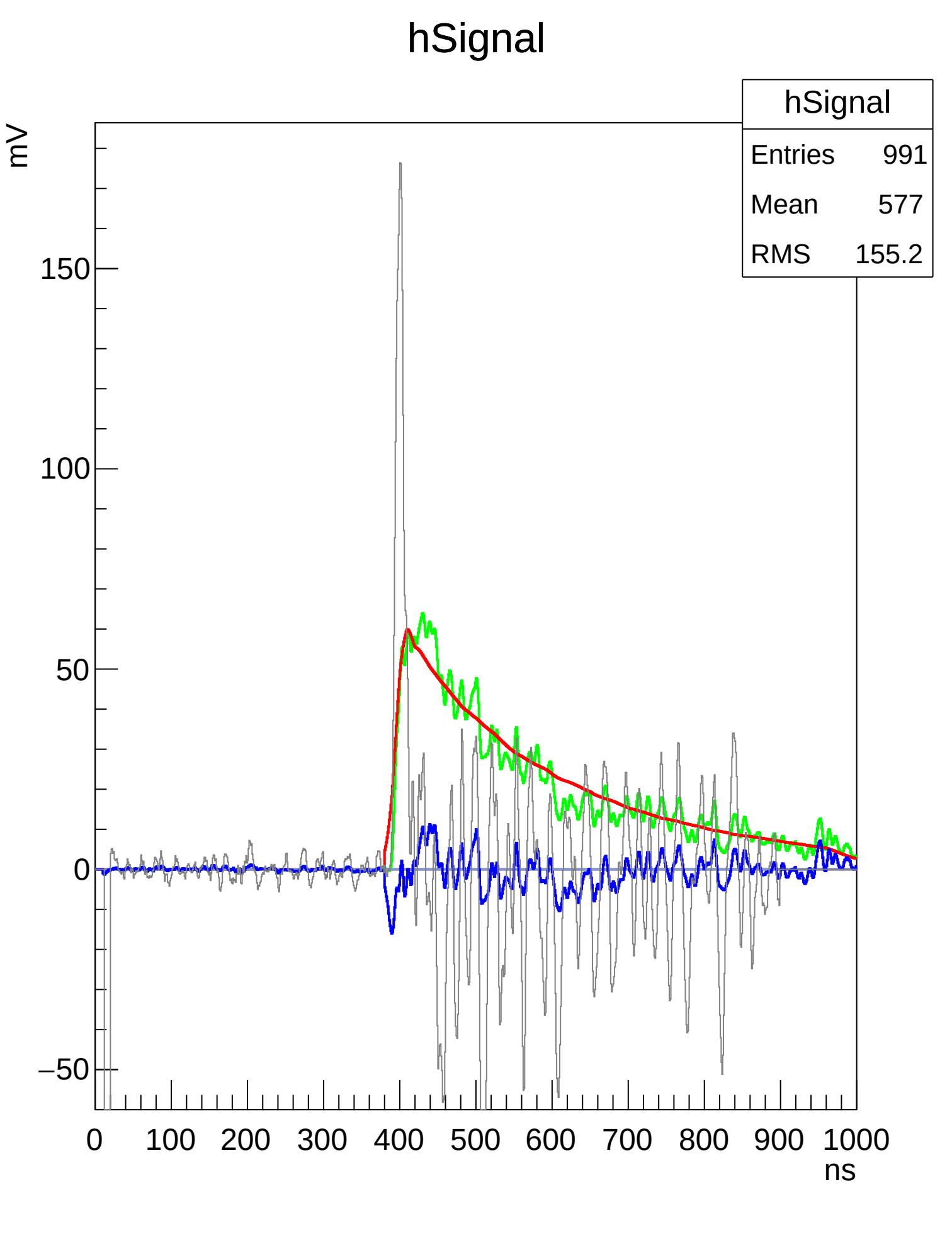
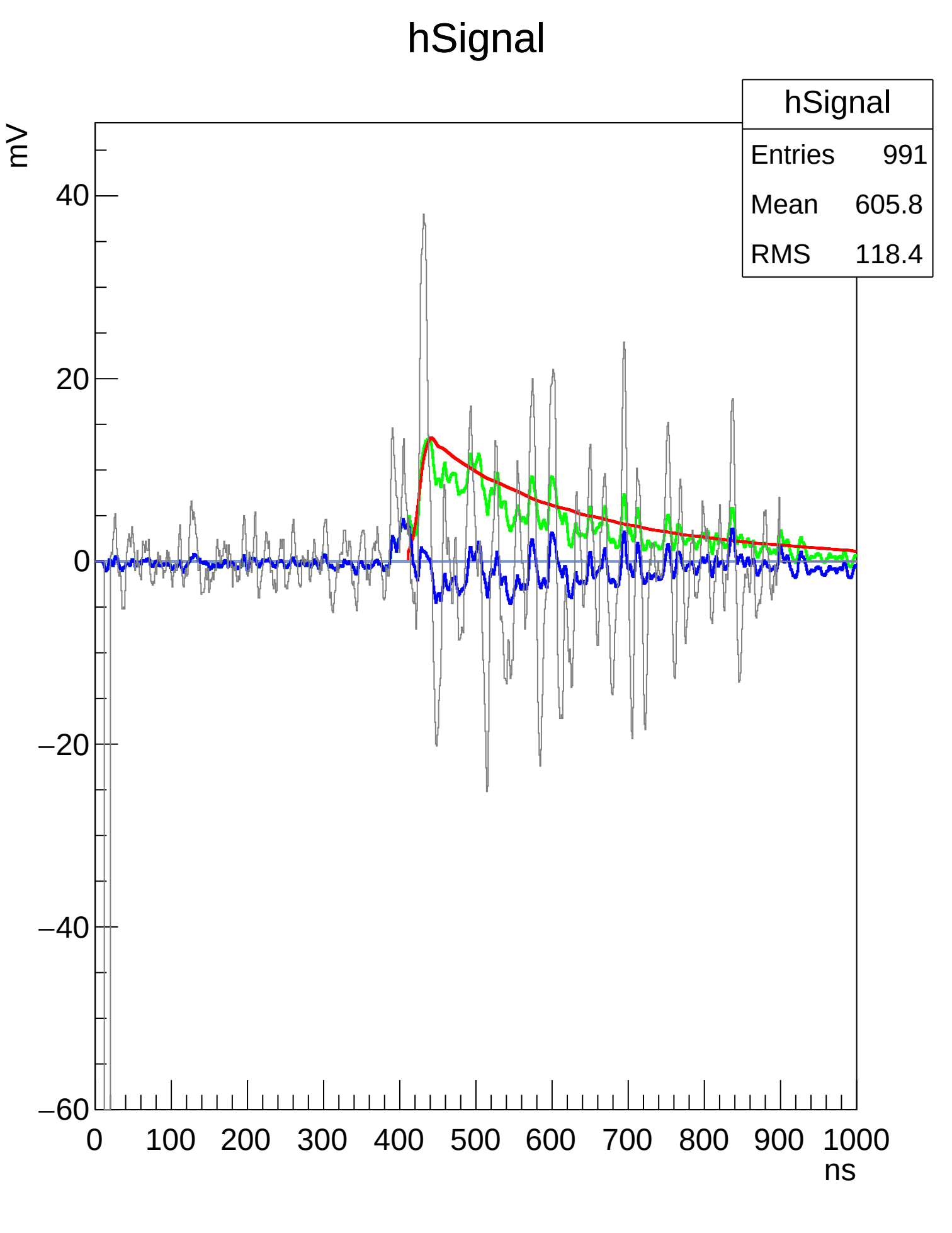
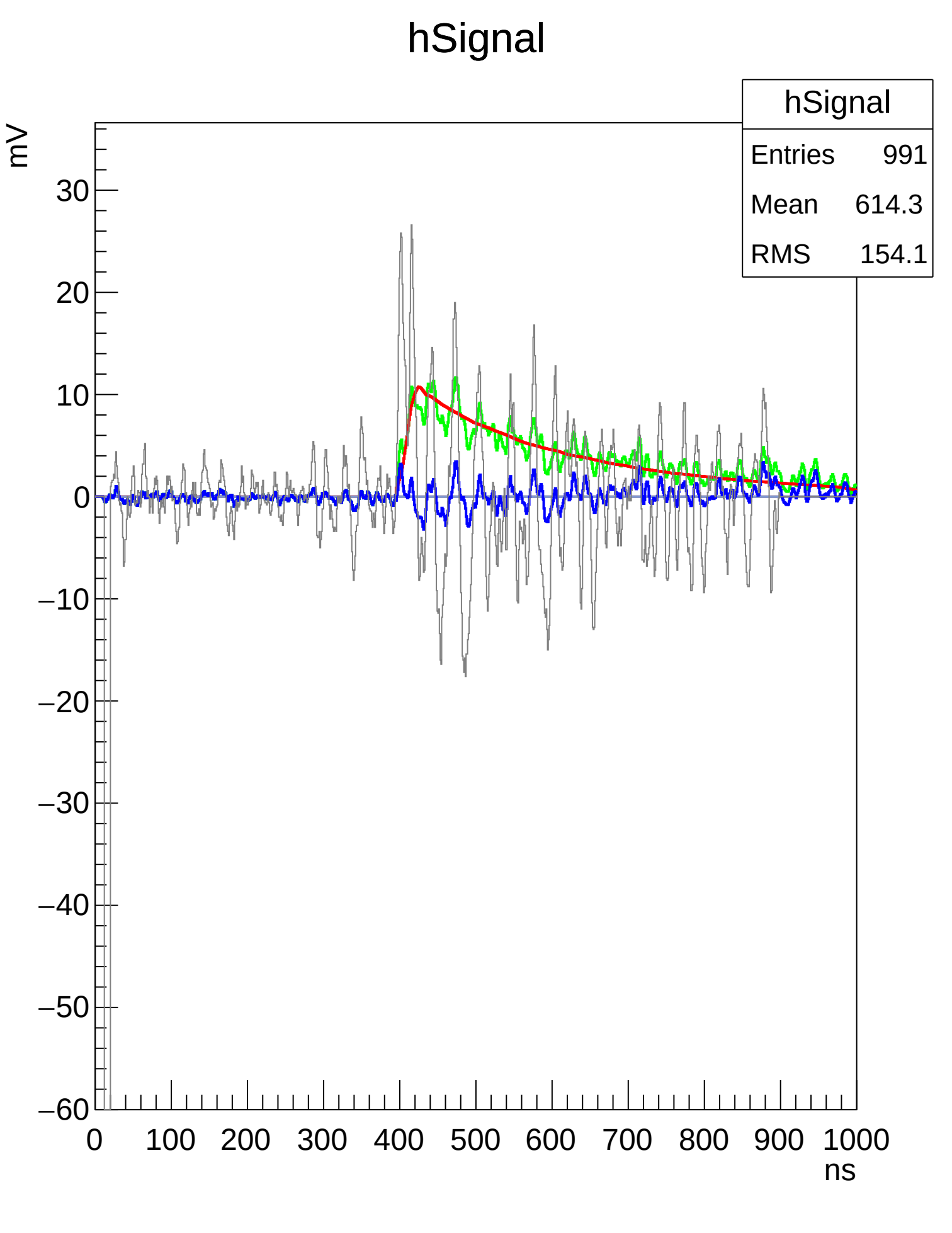
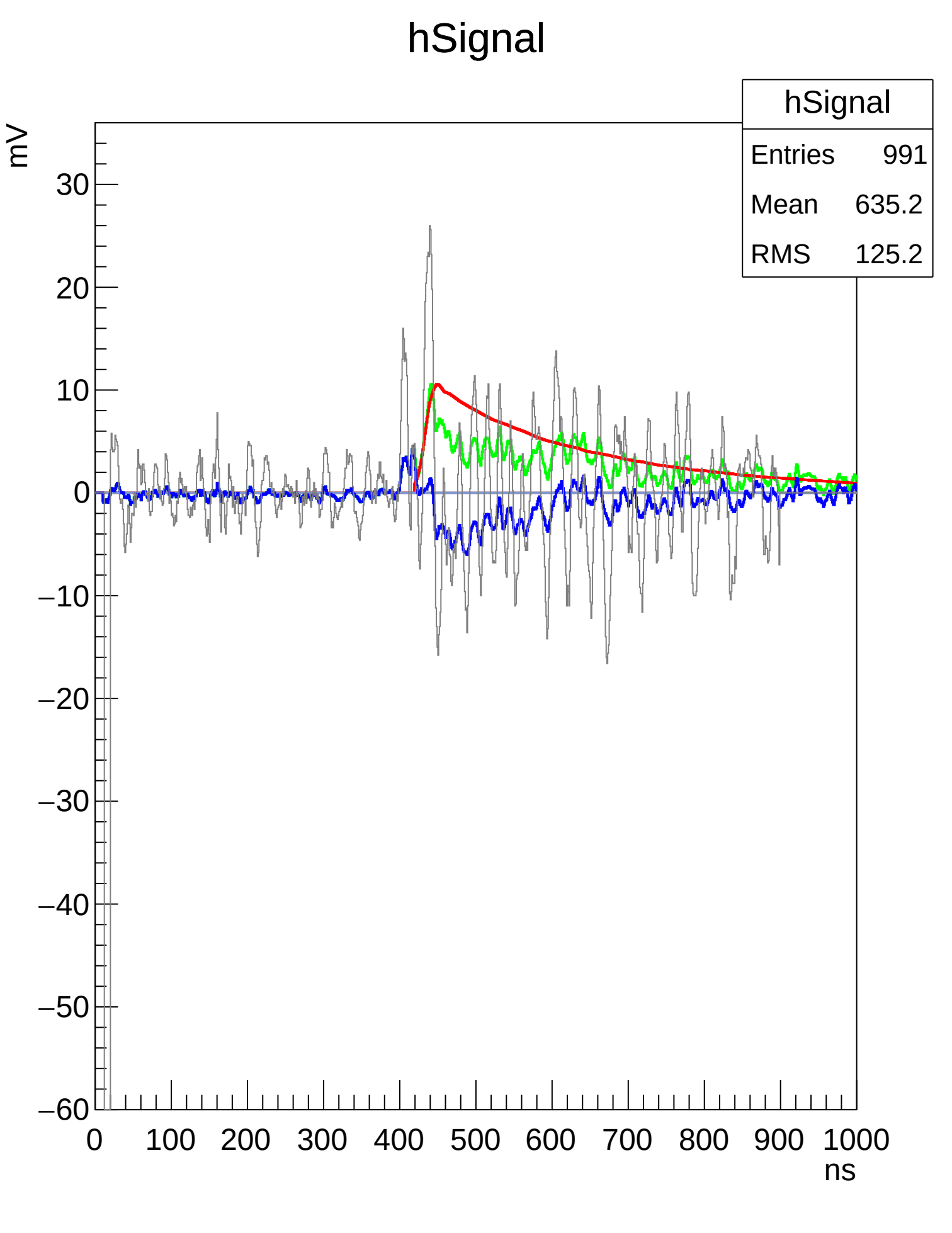
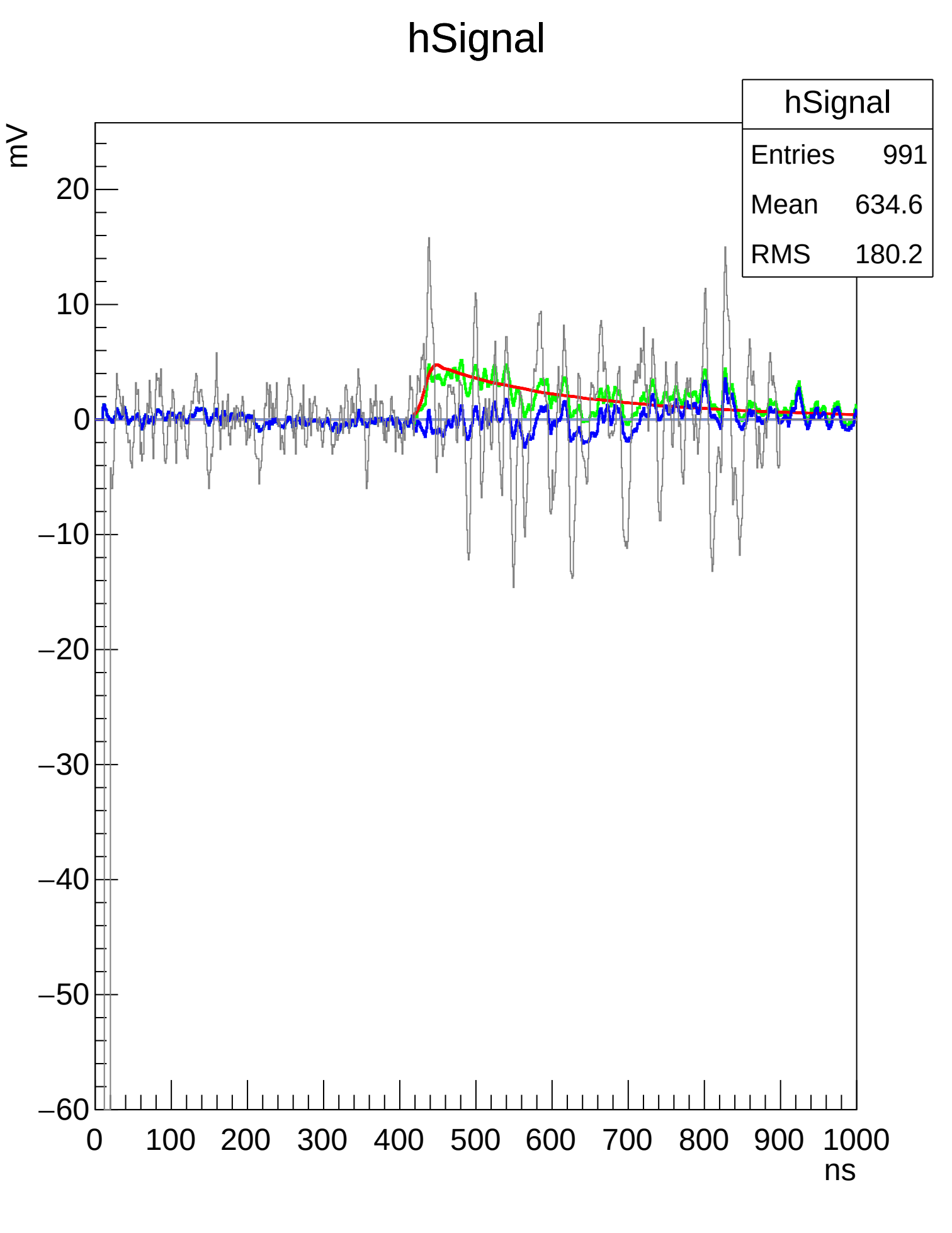
800
900
1000
ns

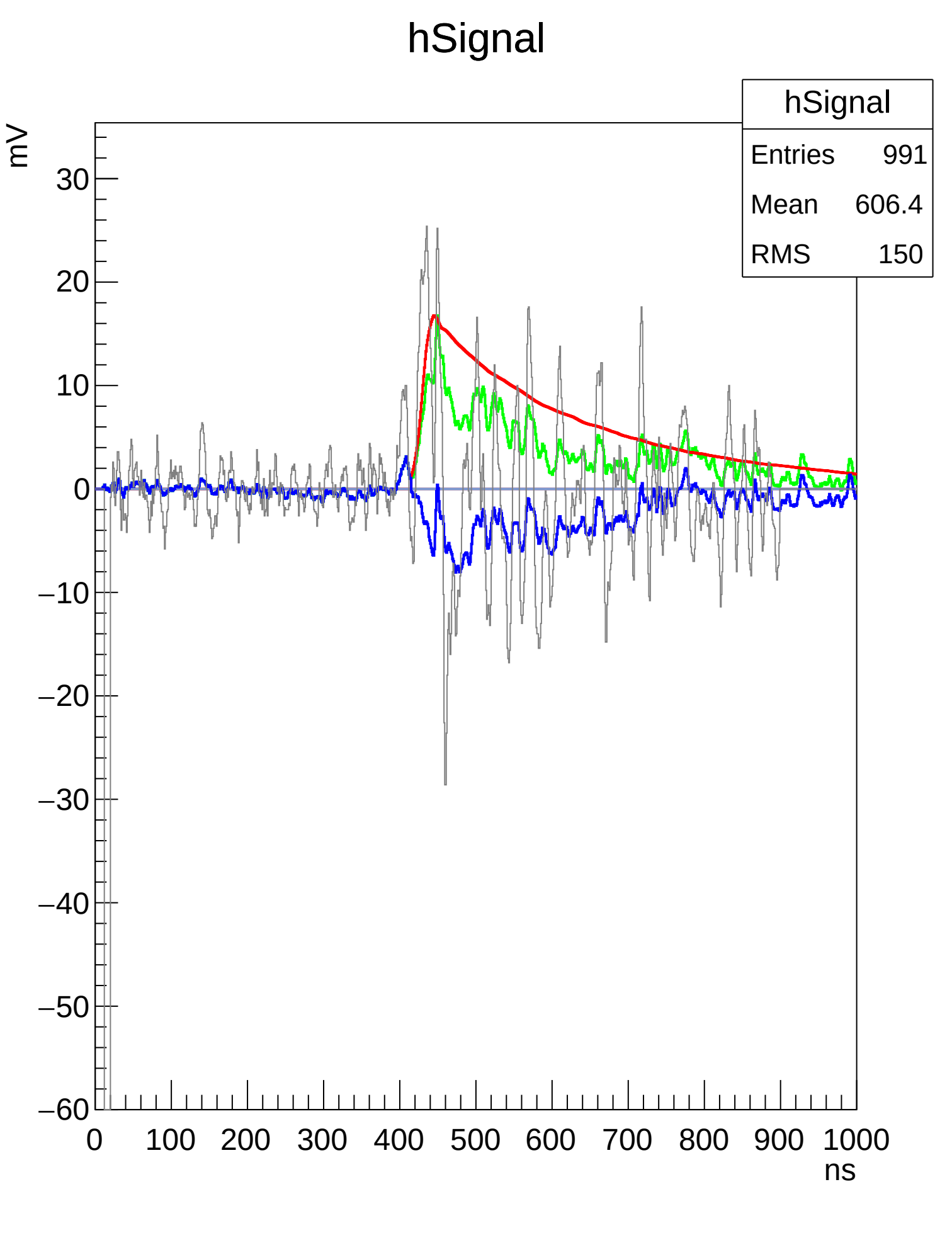

hSignal
hSignal
Entries 991
Mean 577
RMS 155.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

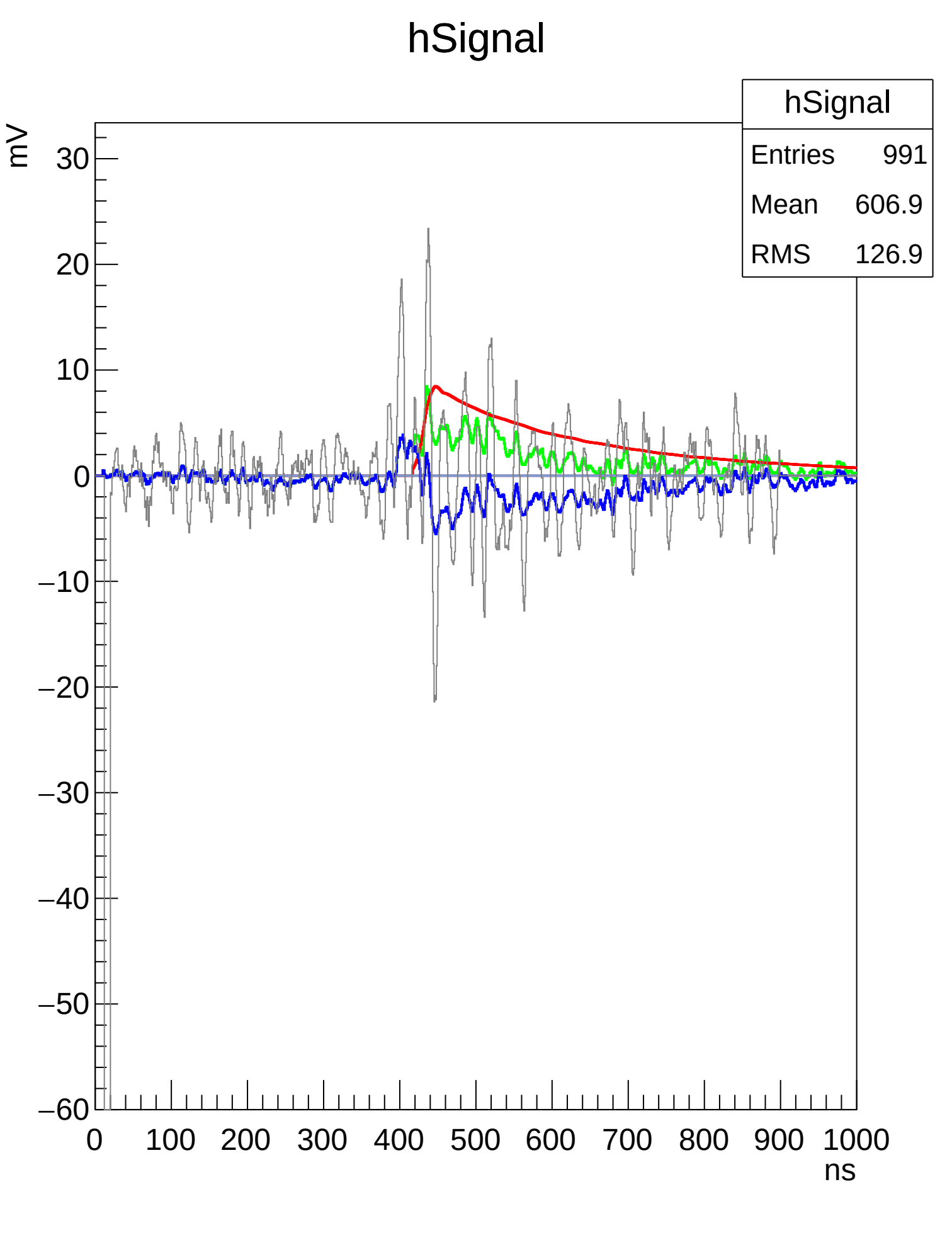

hSignal
hSignal
Entries 991
Mean 605.8
RMS 118.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

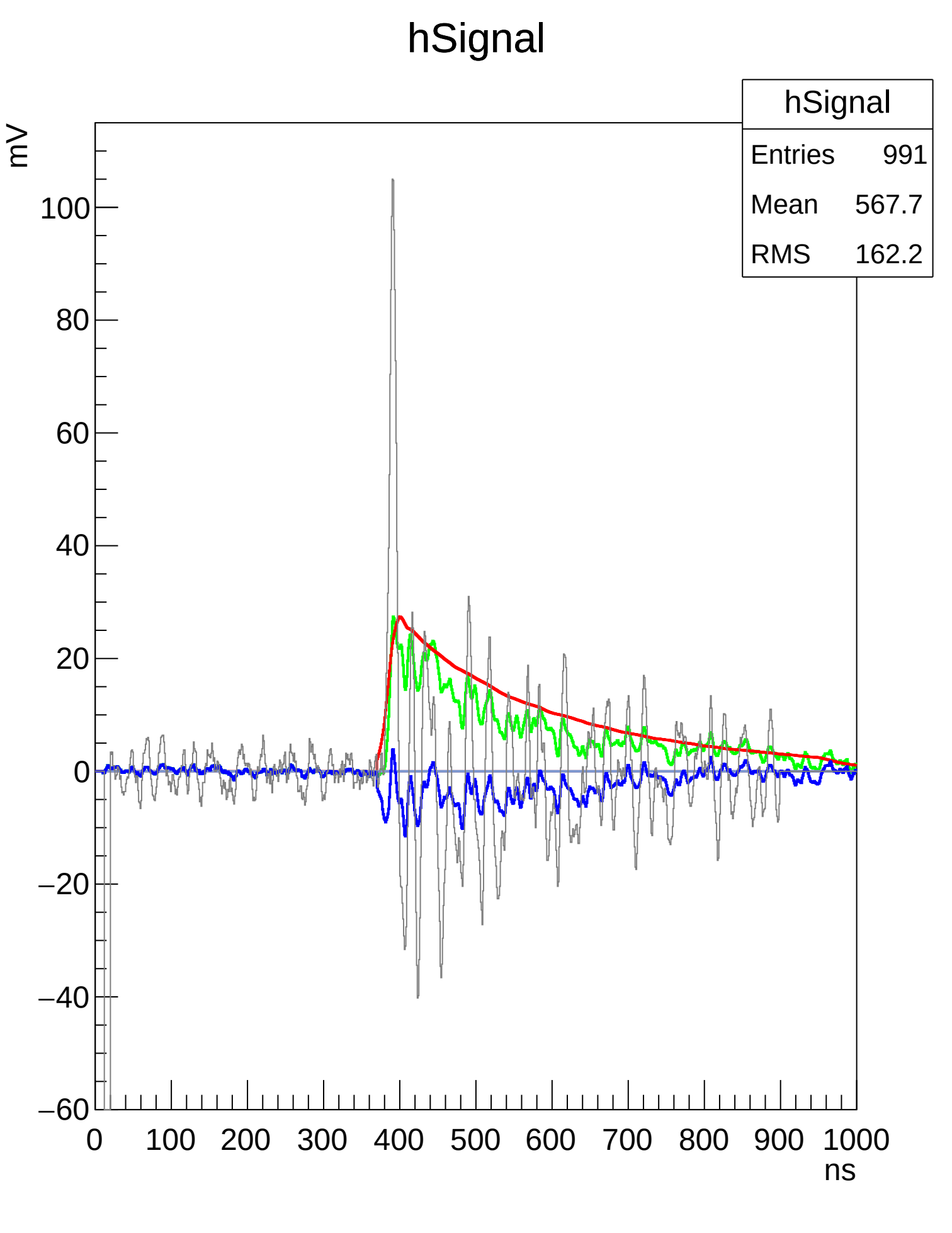

hSignal
hSignal
Entries 991
Mean 614.3
RMS 154.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

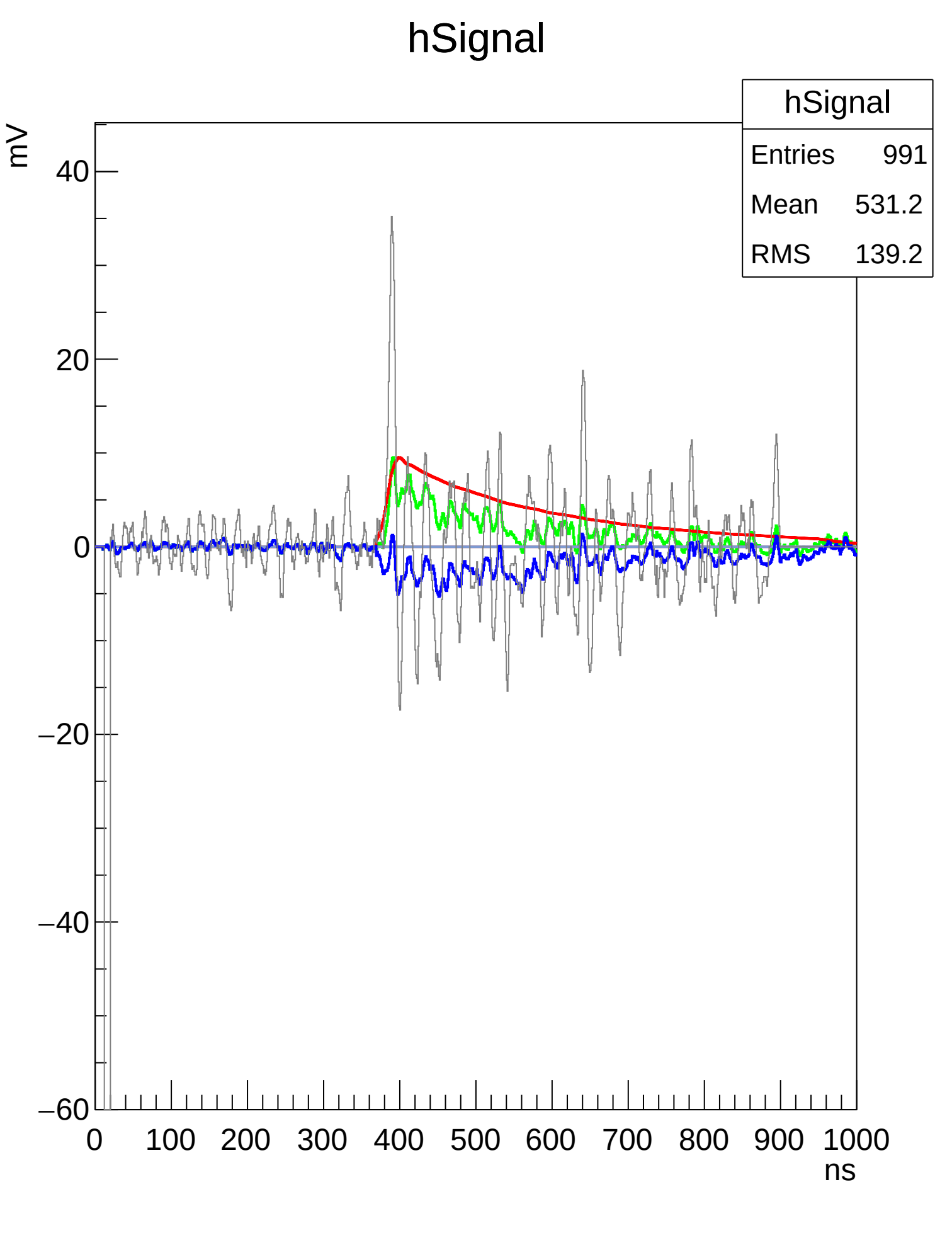

hSignal
hSignal
Entries 991
Mean 635.2
RMS 125.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 634.6
RMS 180.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.4
RMS 150
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.9
RMS 126.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.7
RMS 162.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.2
RMS 139.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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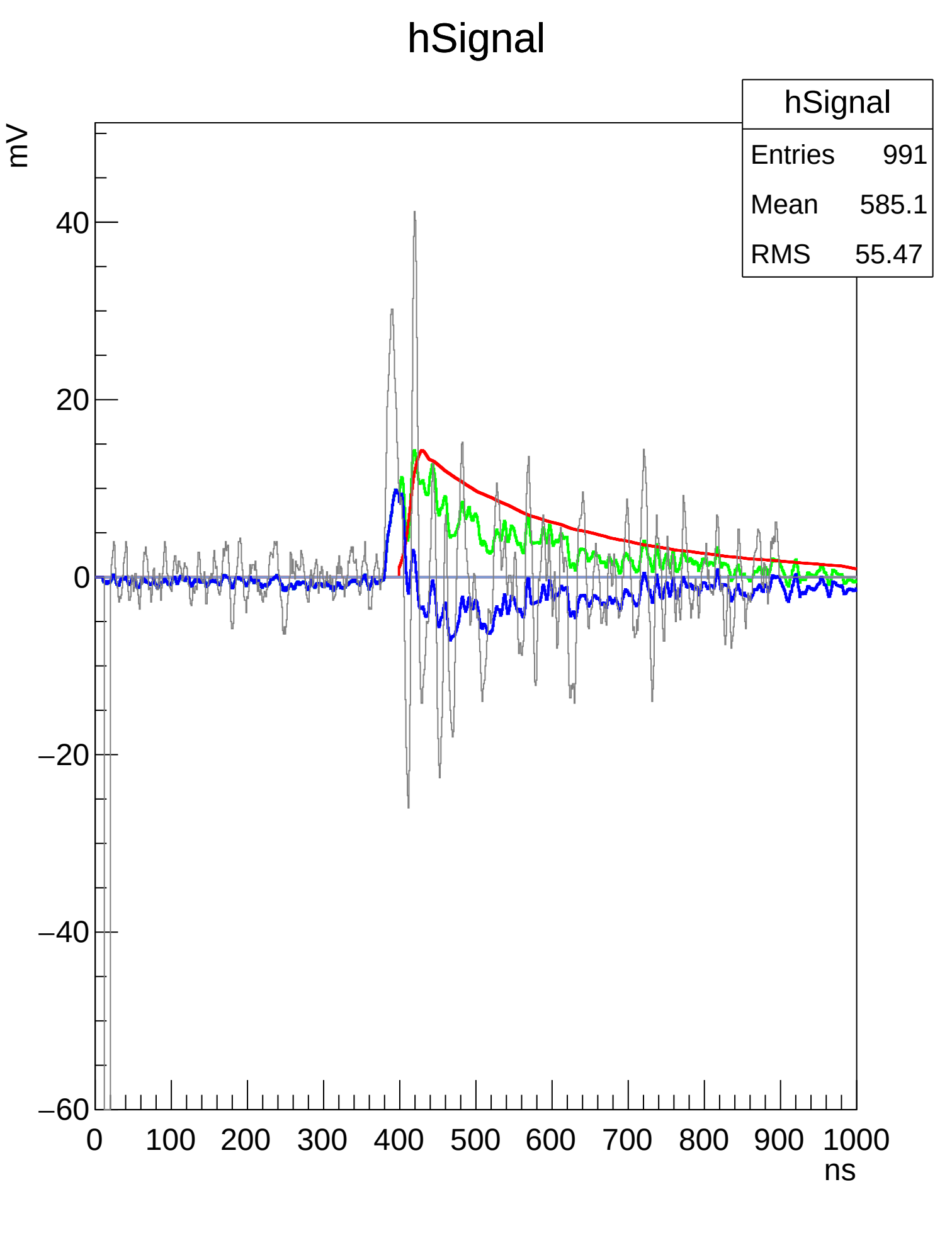
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.1
RMS 55.47
mV
40
20
0
−20
−40
−60
0
100
200
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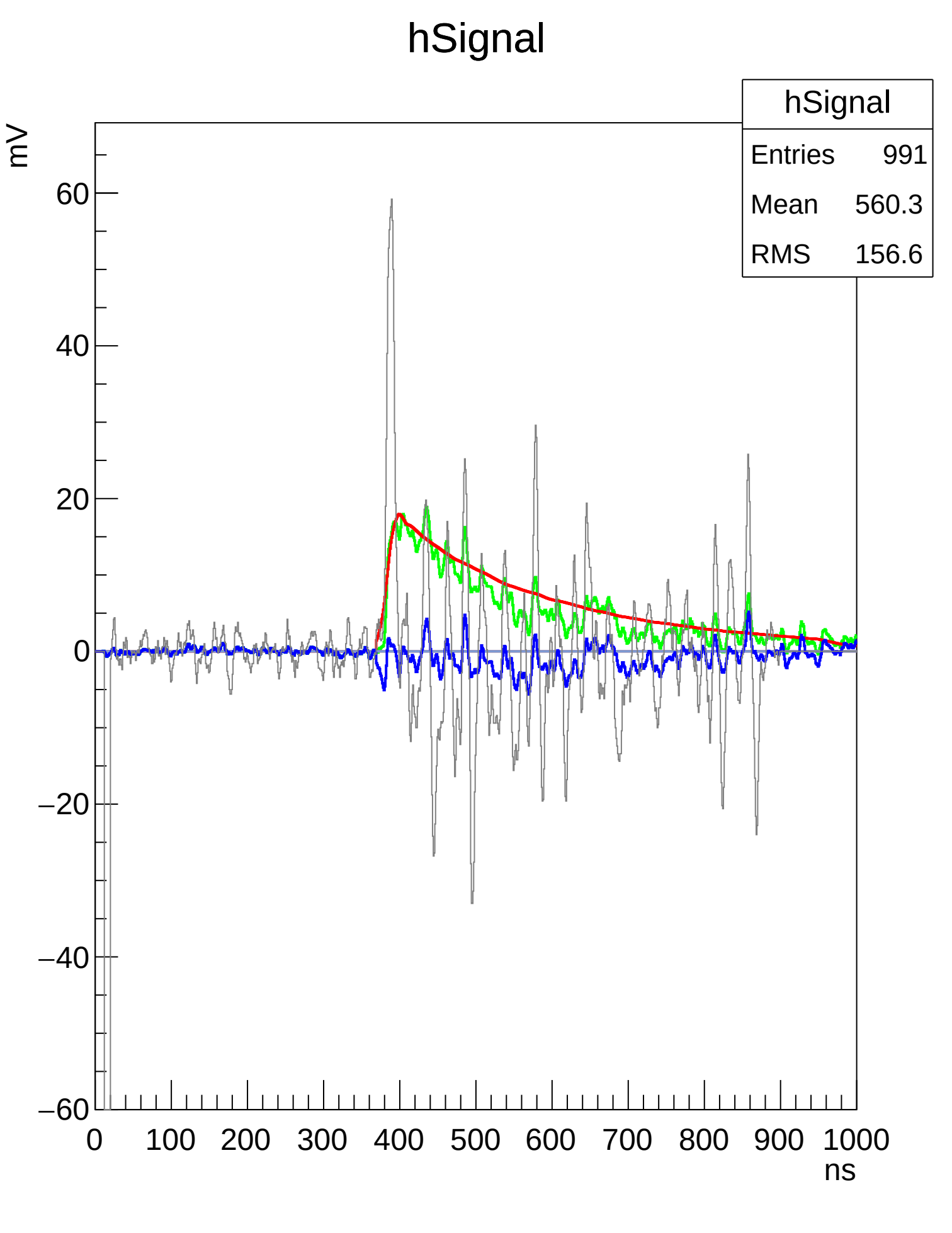
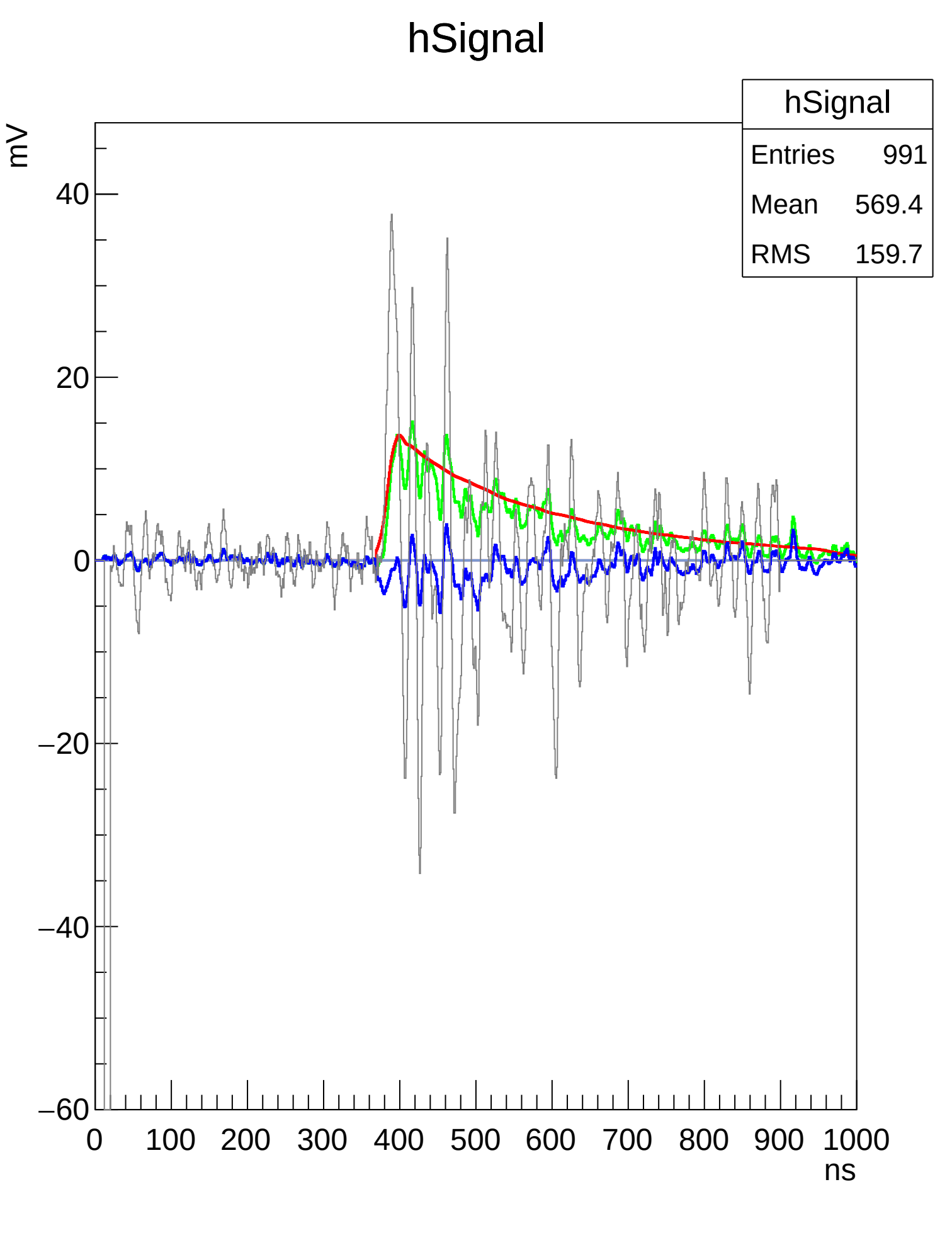
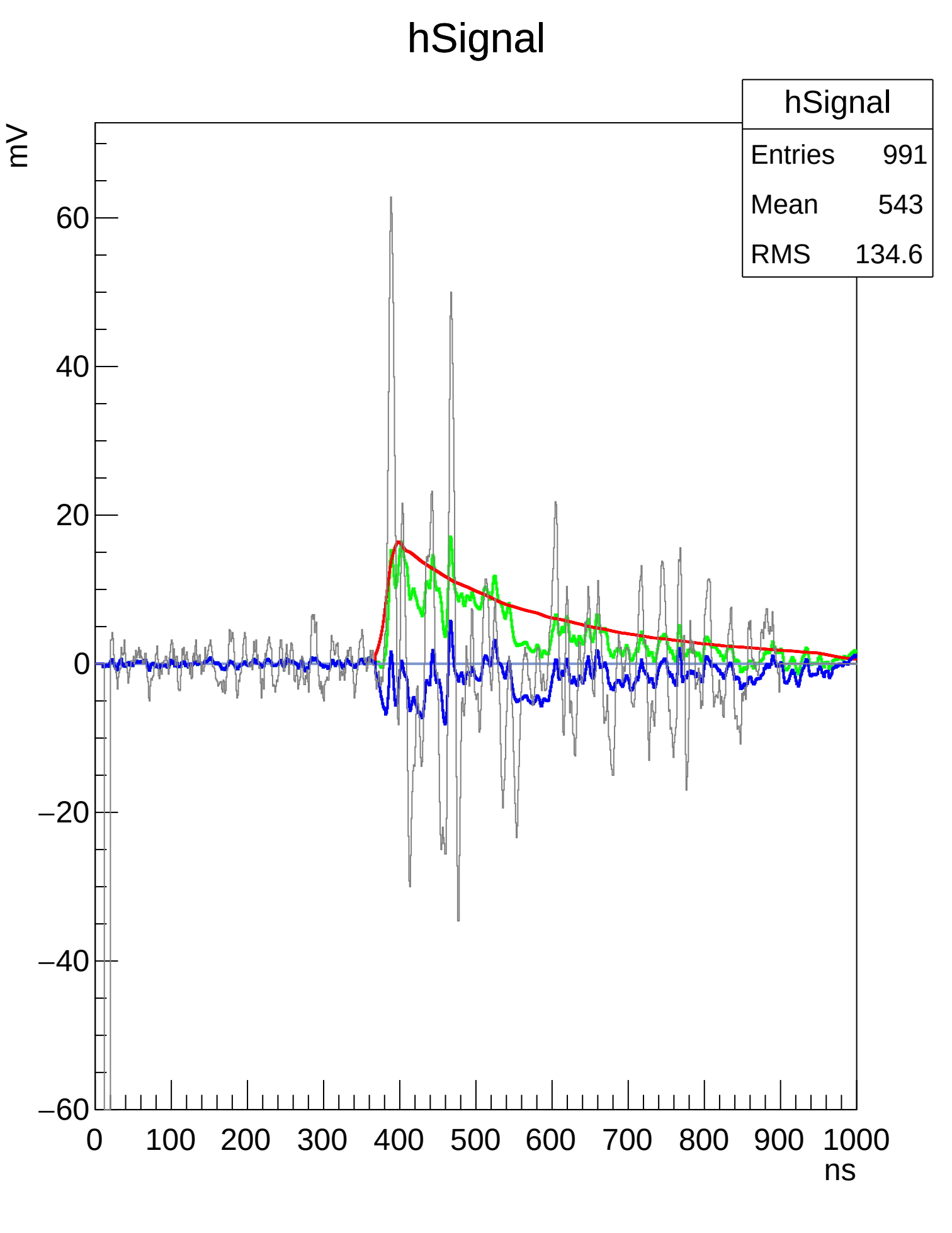
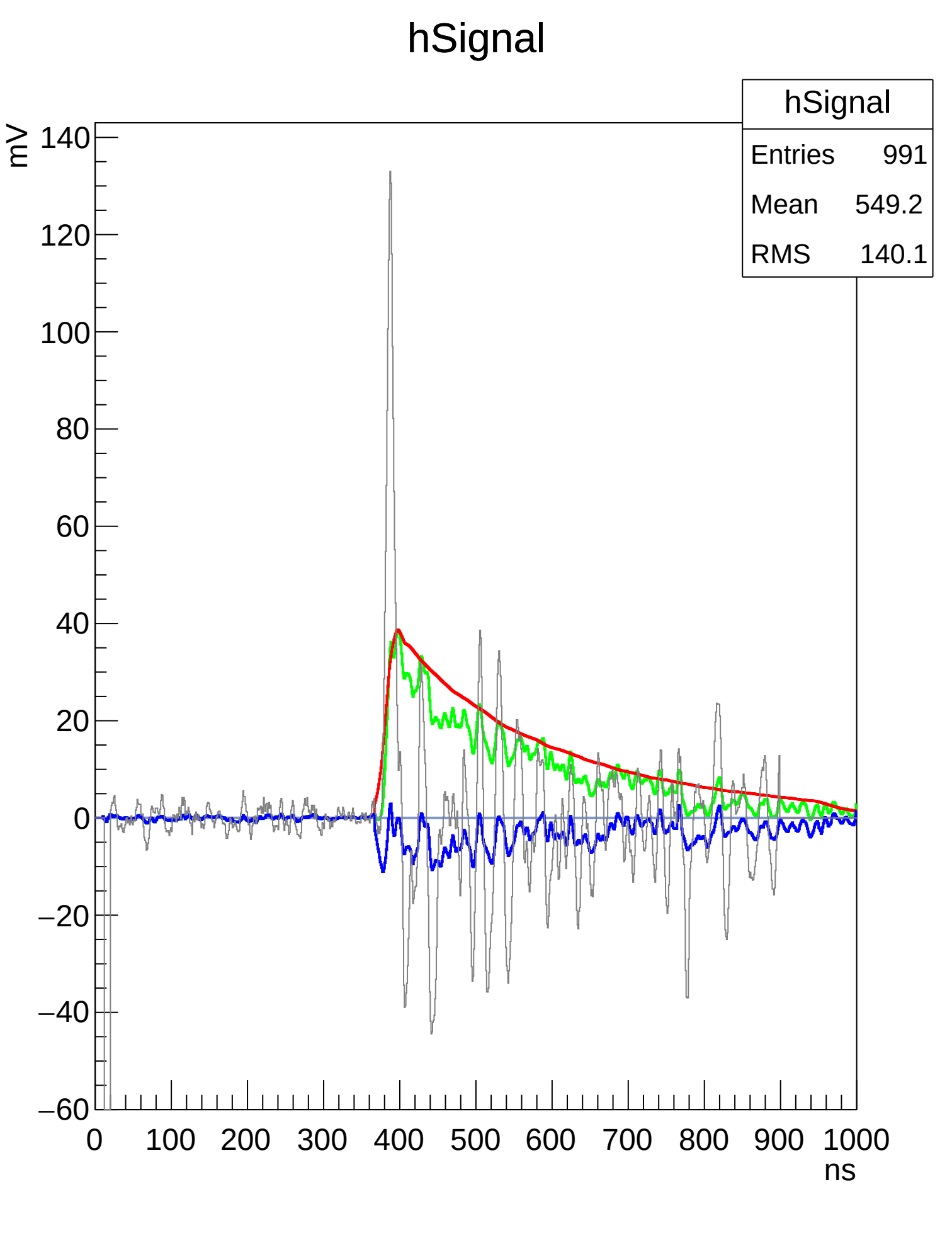
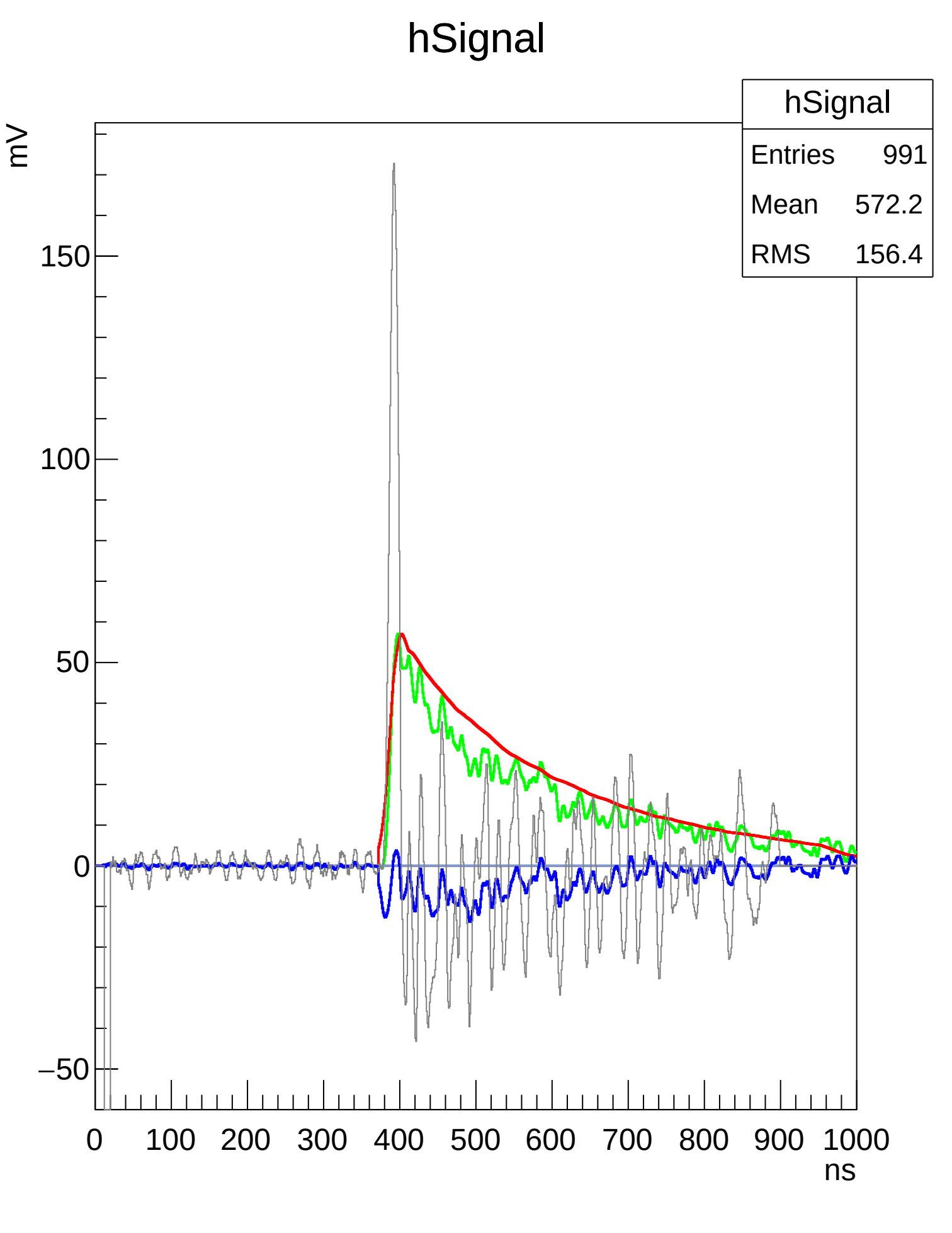
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.3
RMS 156.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.4
RMS 159.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543
RMS 134.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.2
RMS 140.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.2
RMS 156.4
mV
150
100
50
0
−50
0
100
200
300
400
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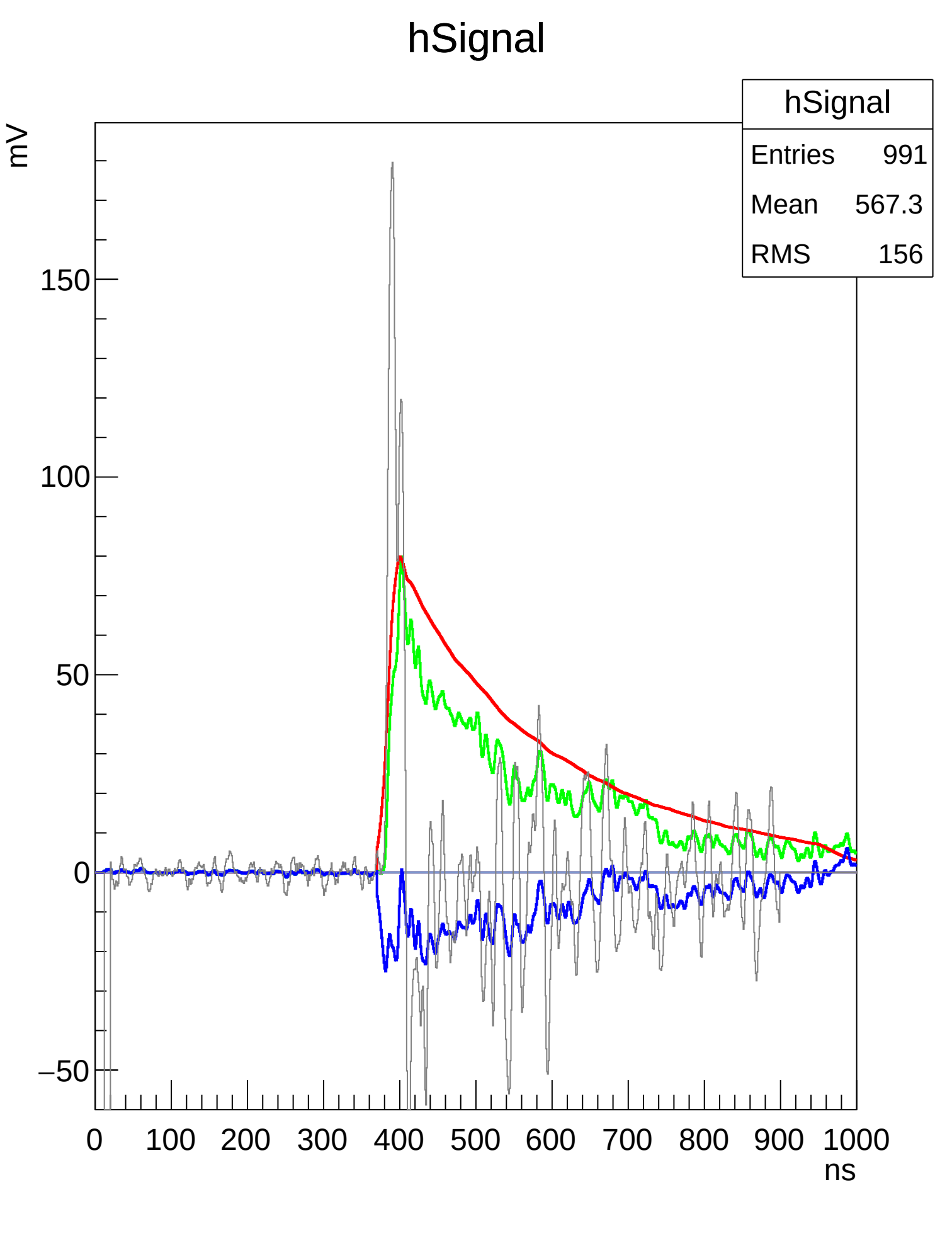
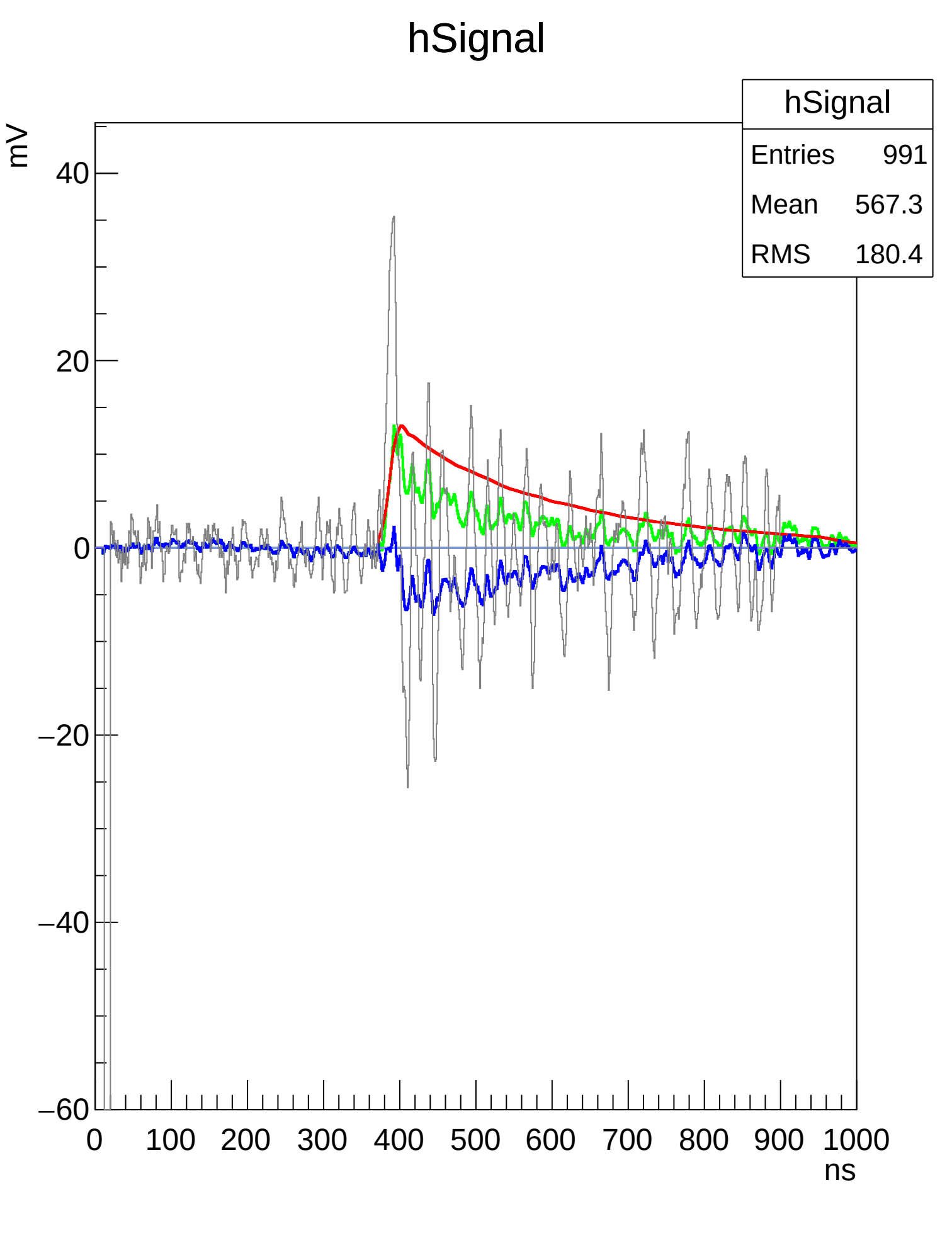
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.3
RMS 156
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.3
RMS 180.4
mV
40
20
0
−20
−40
−60
0
100
200
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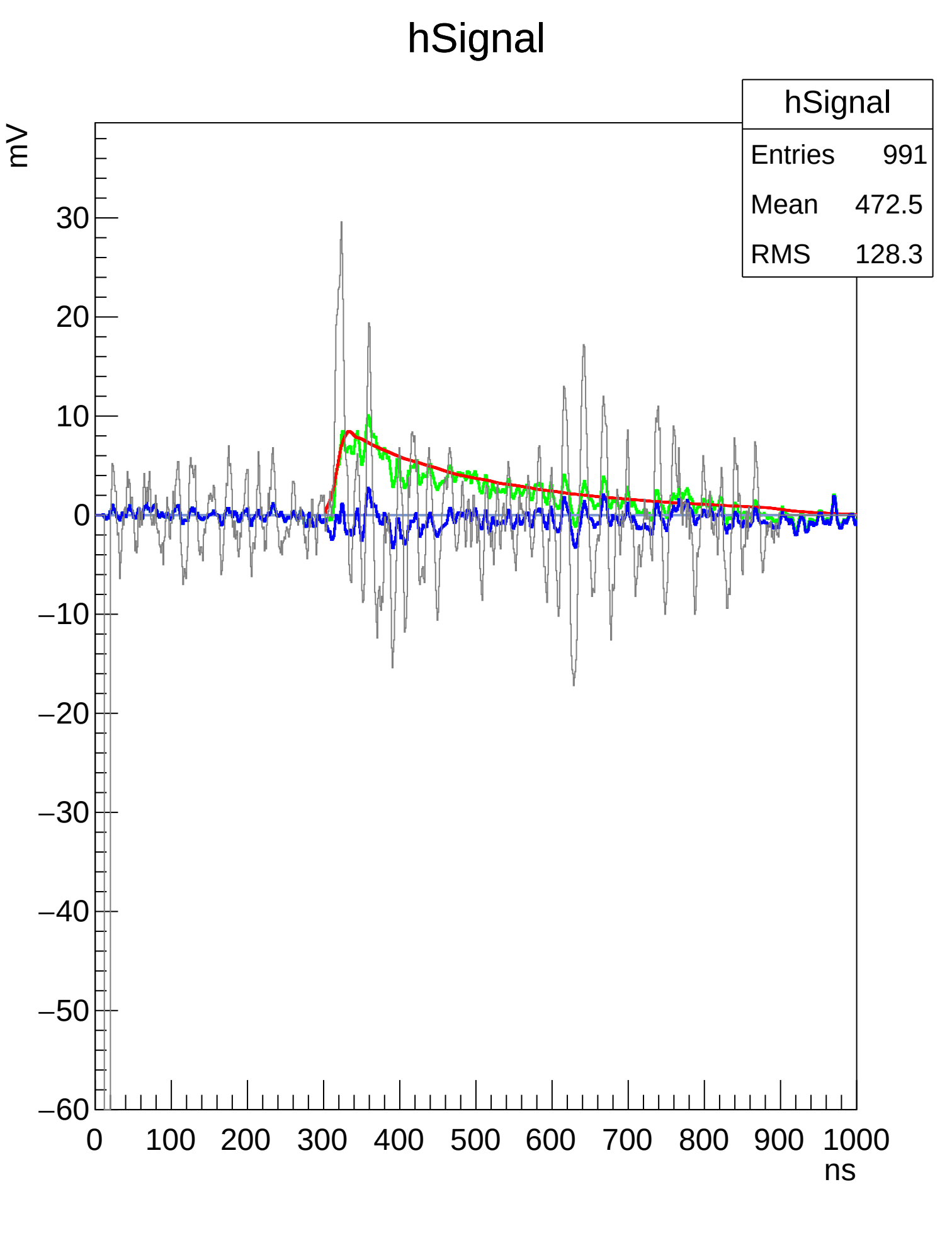
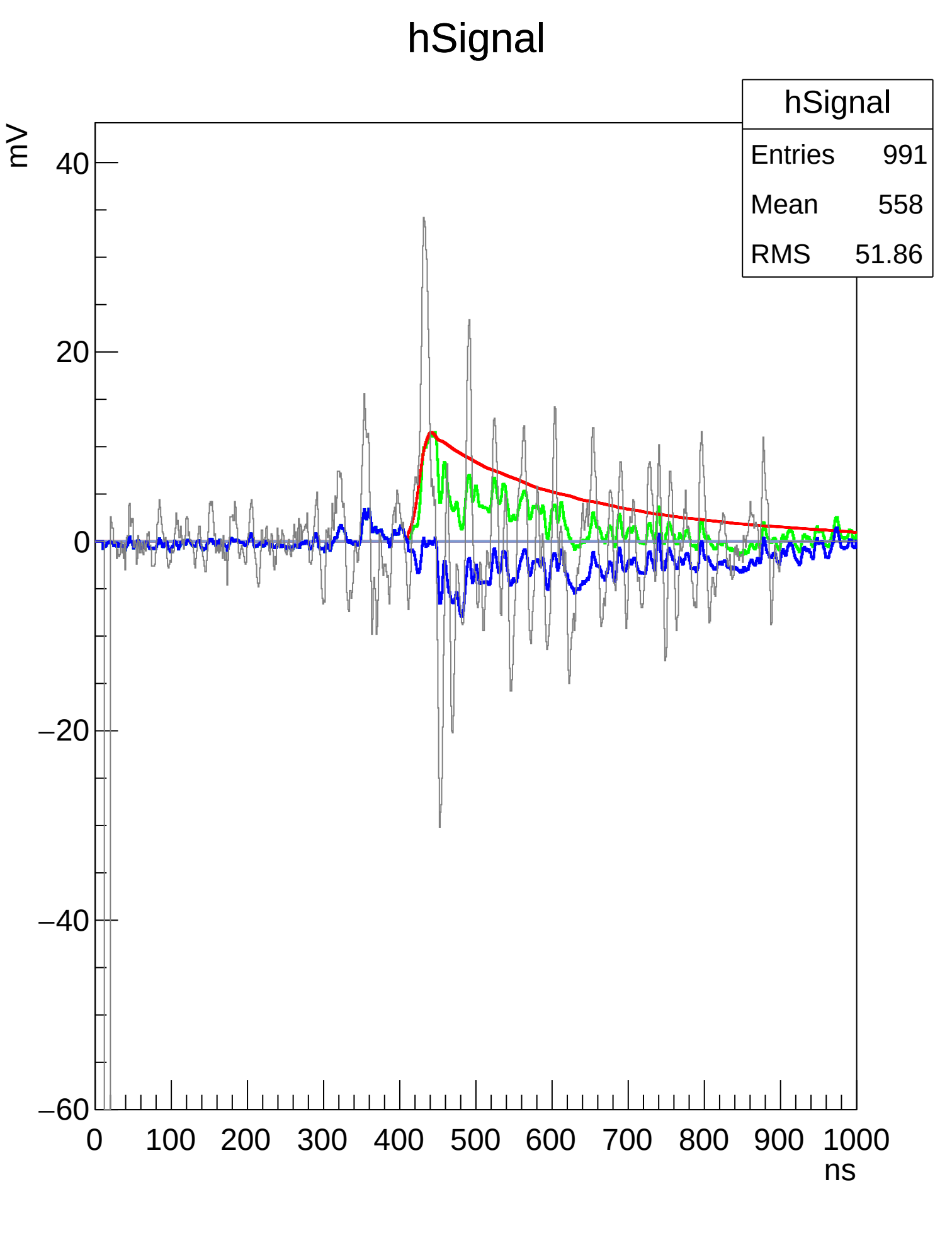
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 472.5
RMS 128.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 51.86
mV
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0
−20
−40
−60
0
100
200
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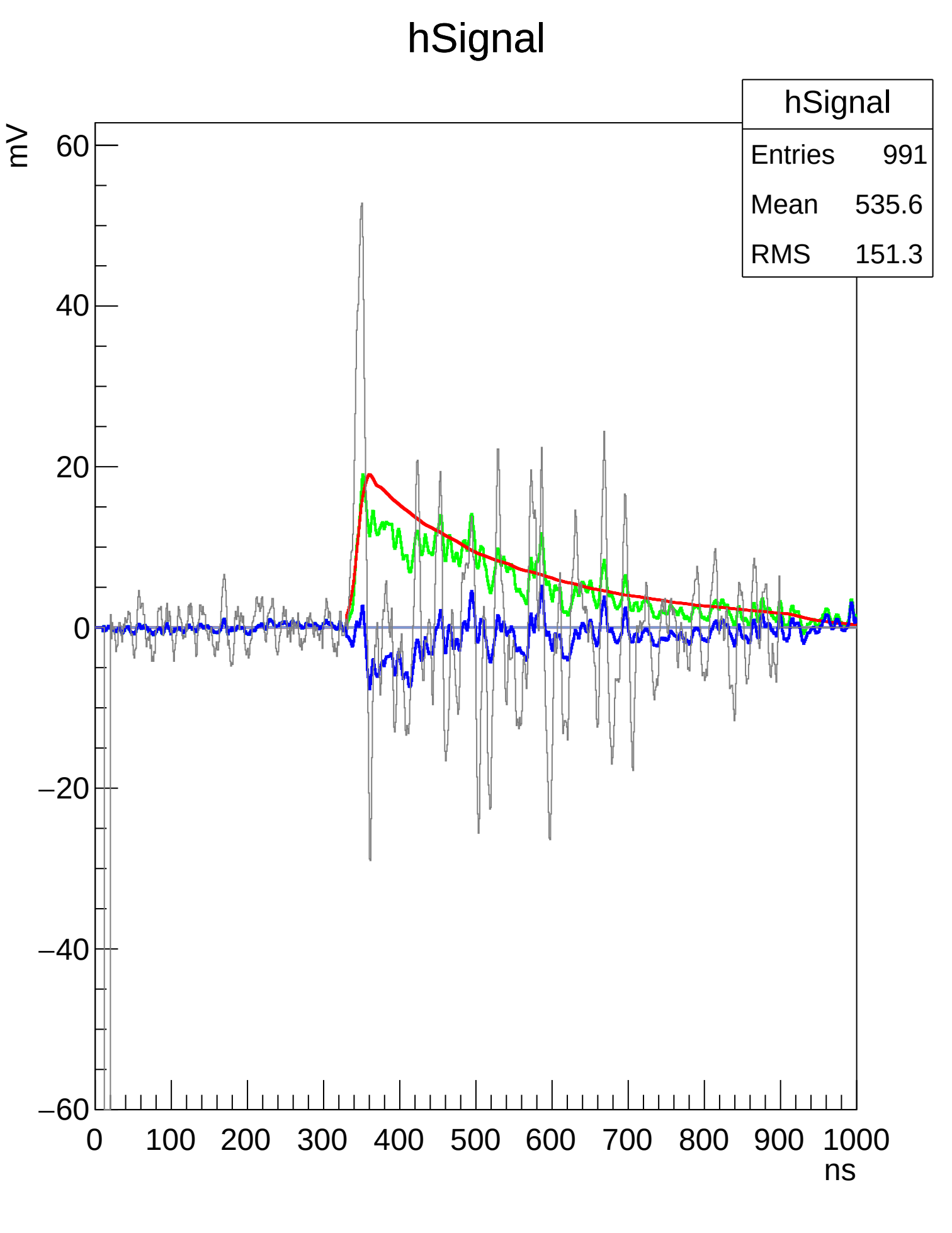
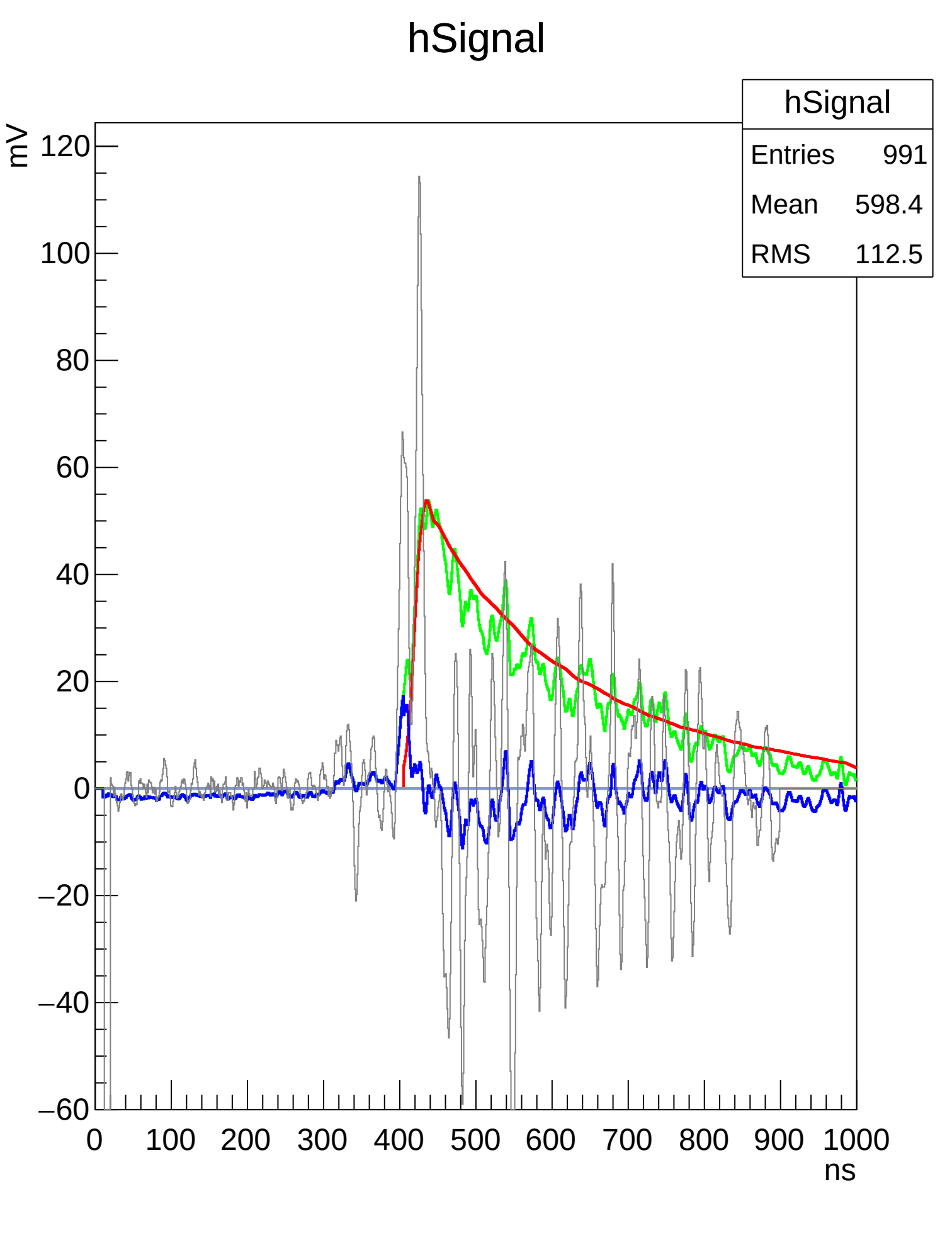
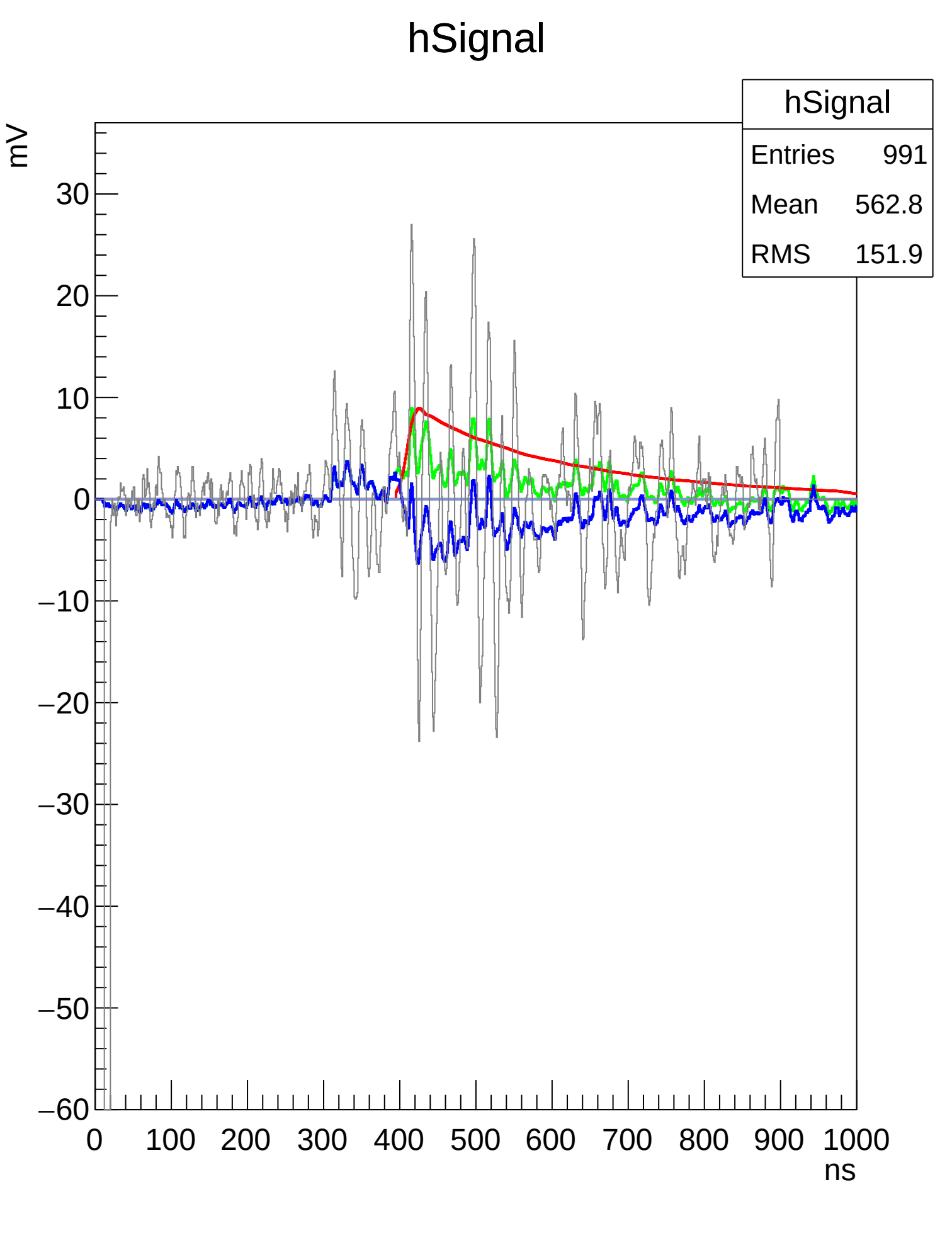
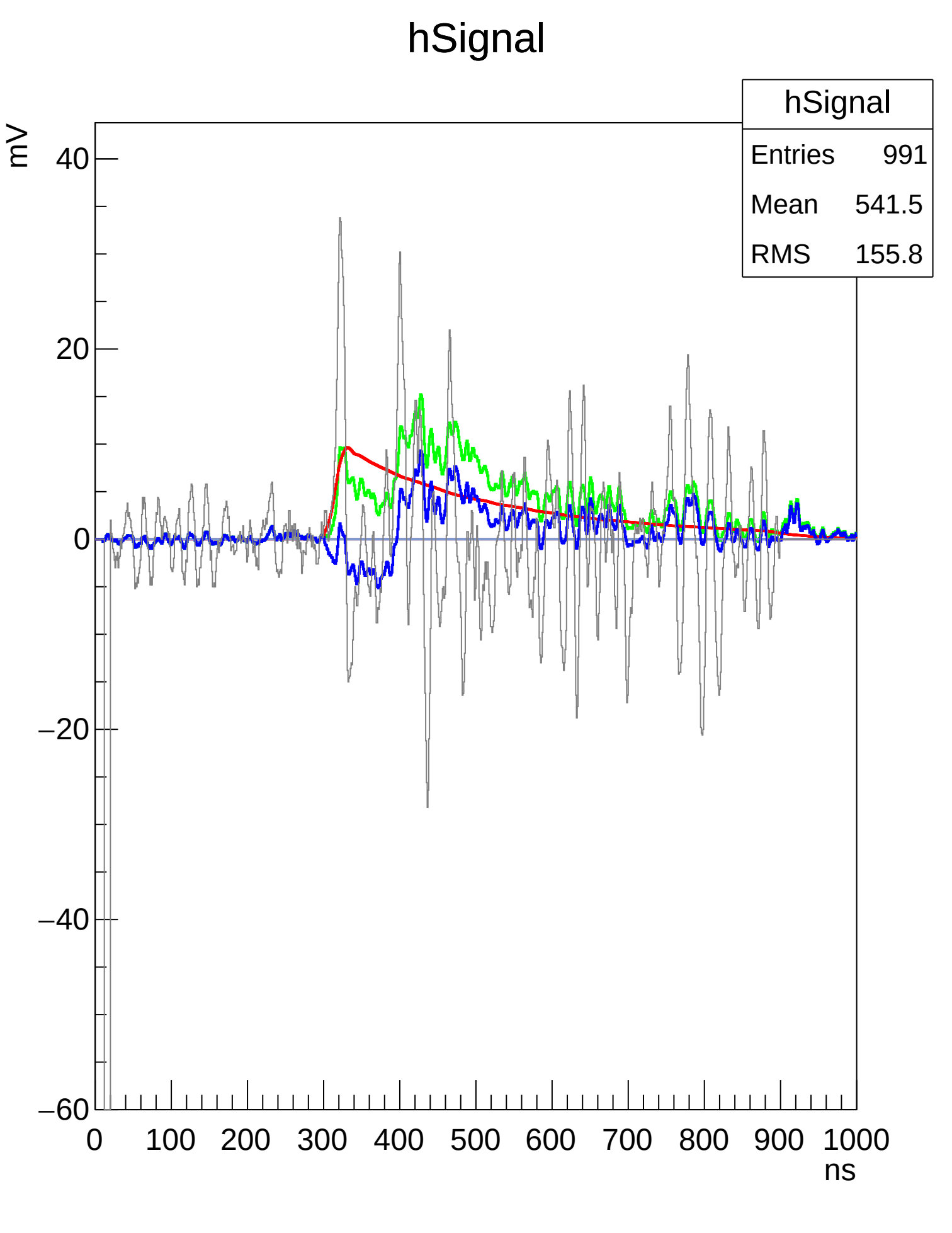
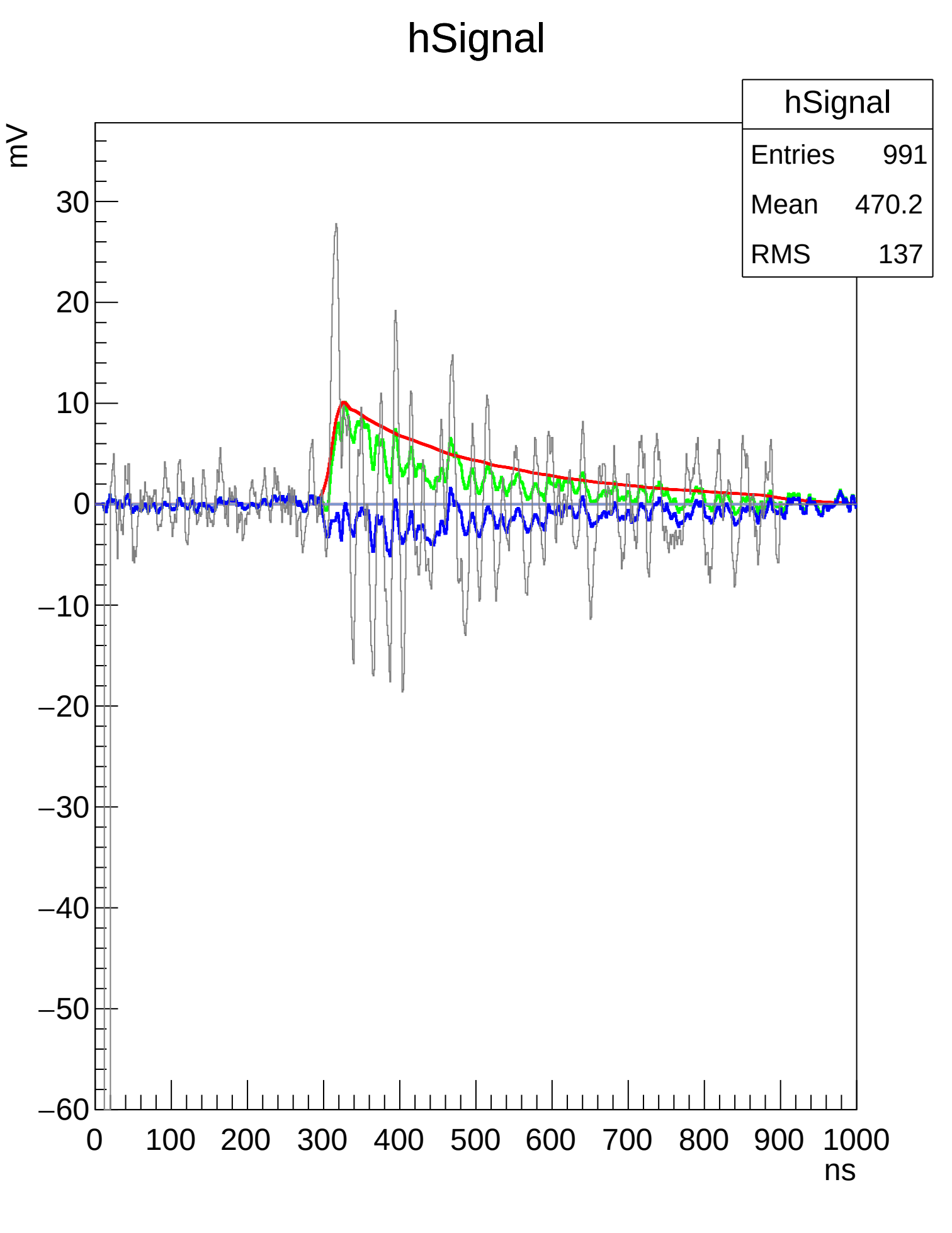
600
700
800
900
1000
ns

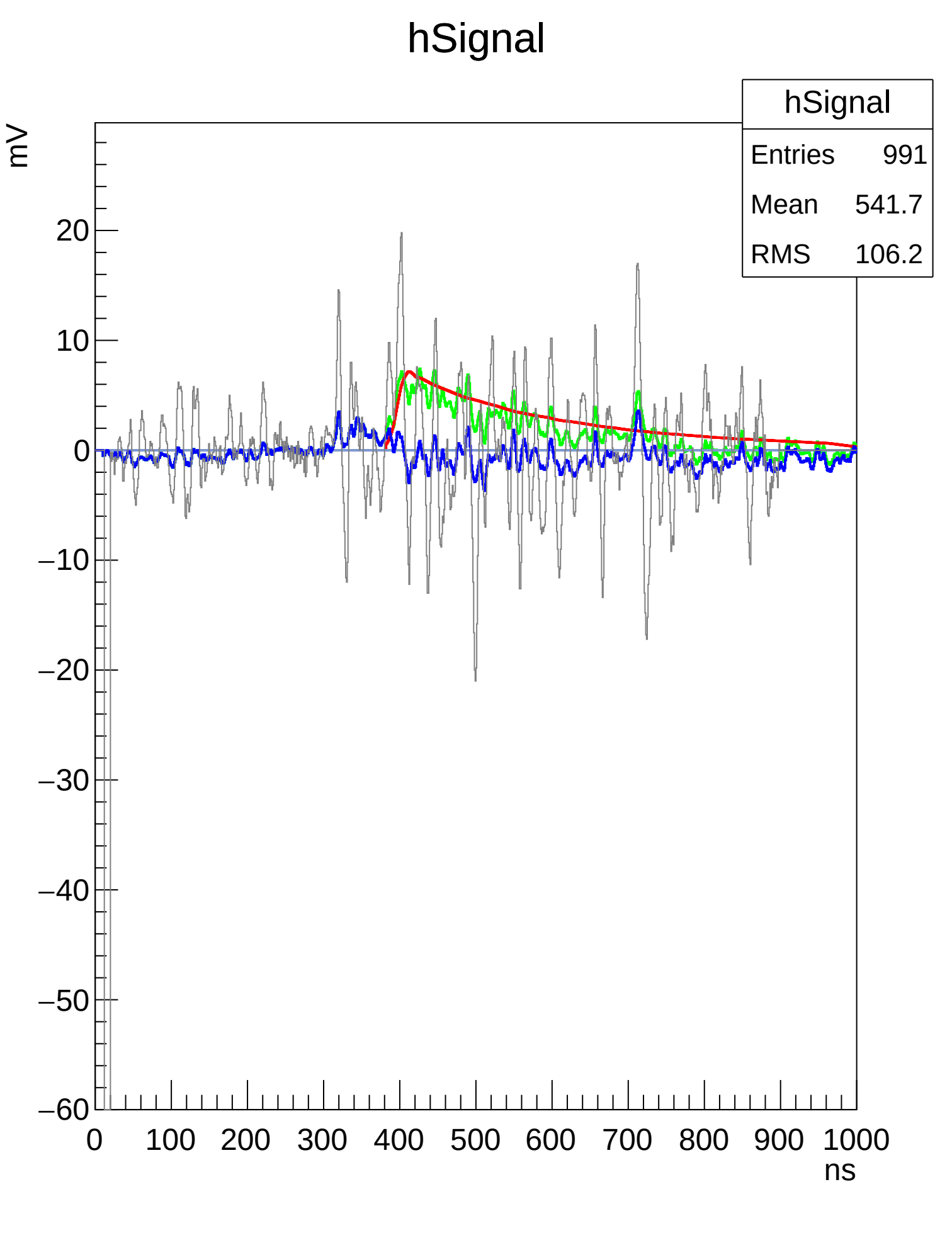

hSignal
hSignal
Entries 991
Mean 535.6
RMS 151.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

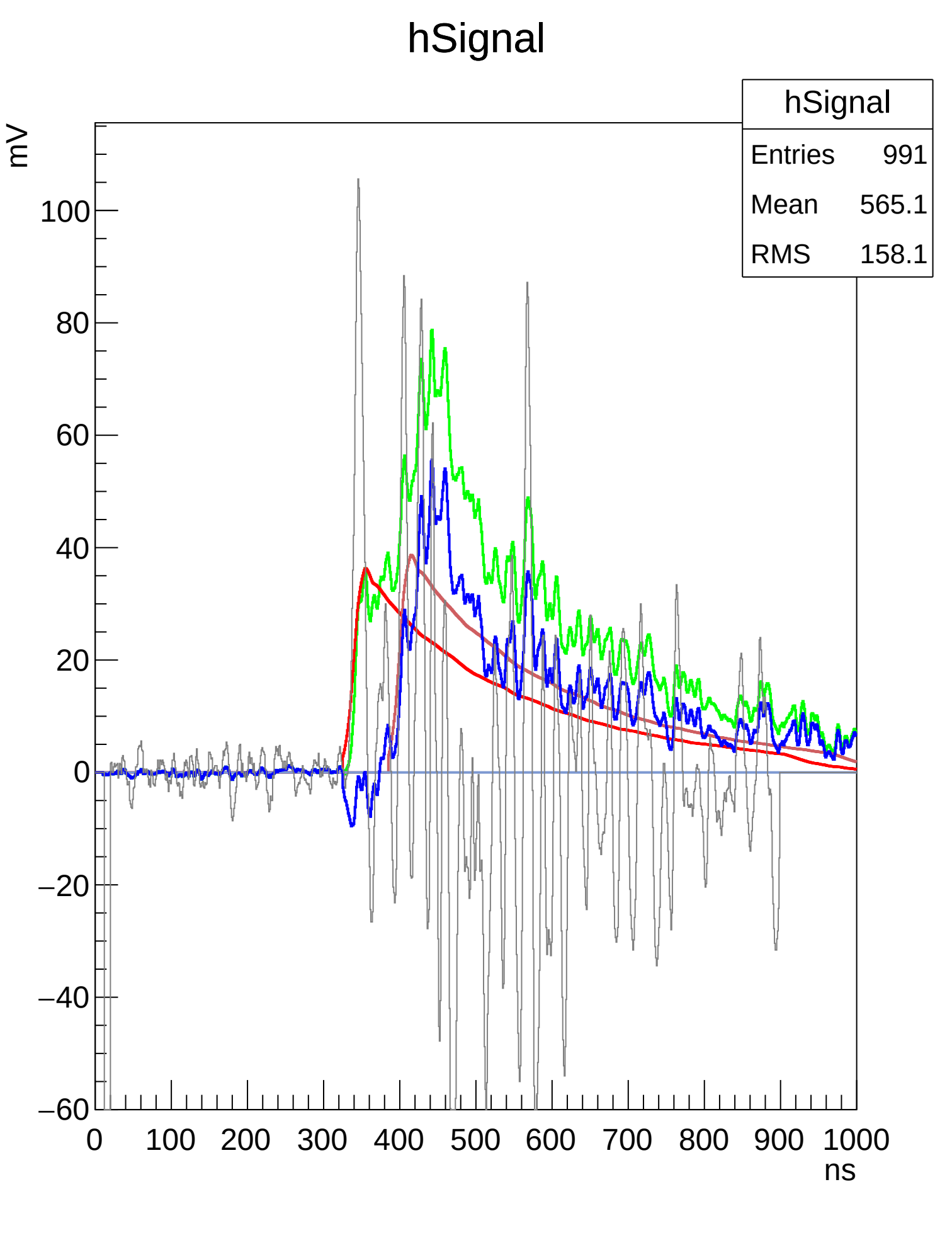

hSignal
hSignal
Entries 991
Mean 598.4
RMS 112.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

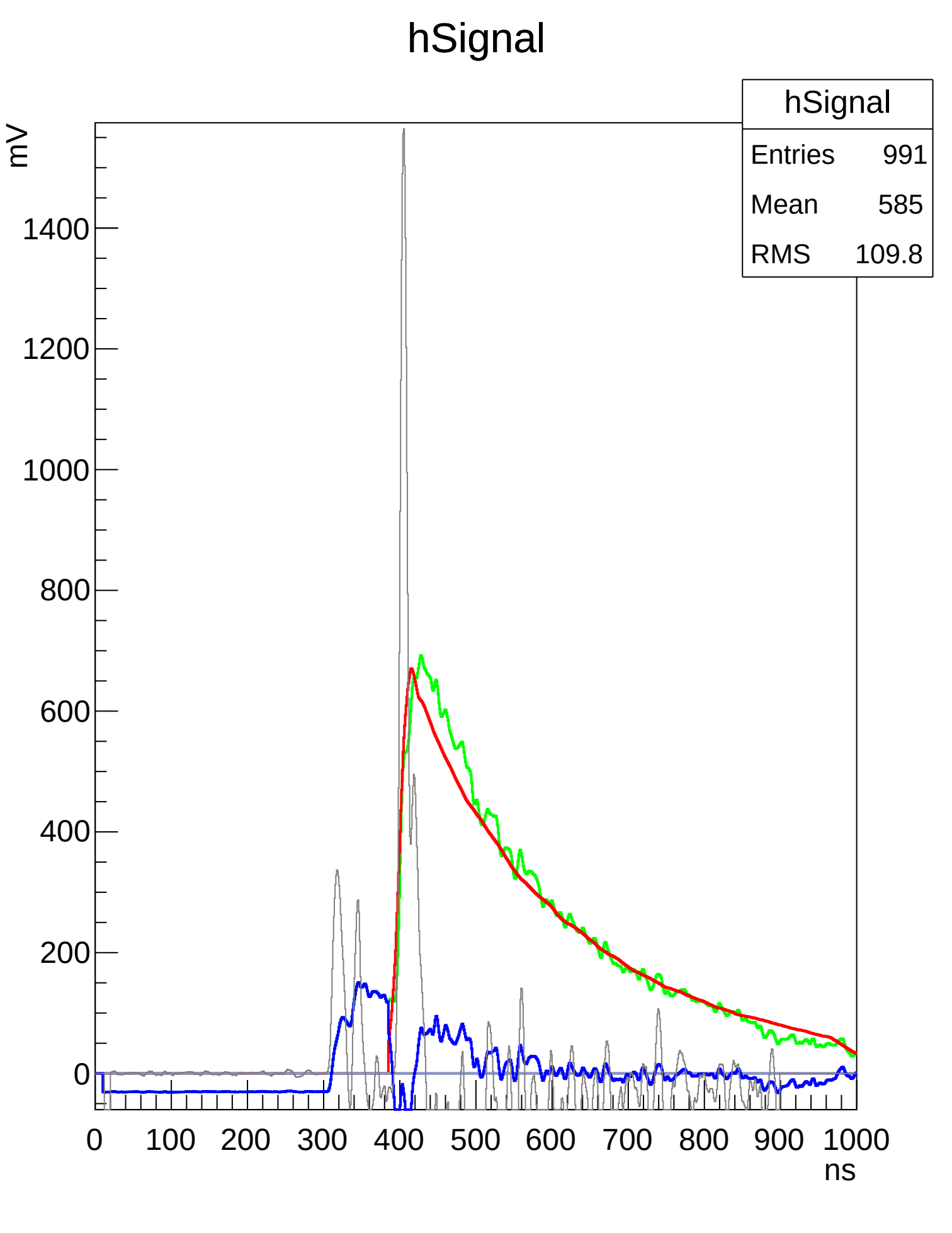

hSignal
hSignal
Entries 991
Mean 562.8
RMS 151.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

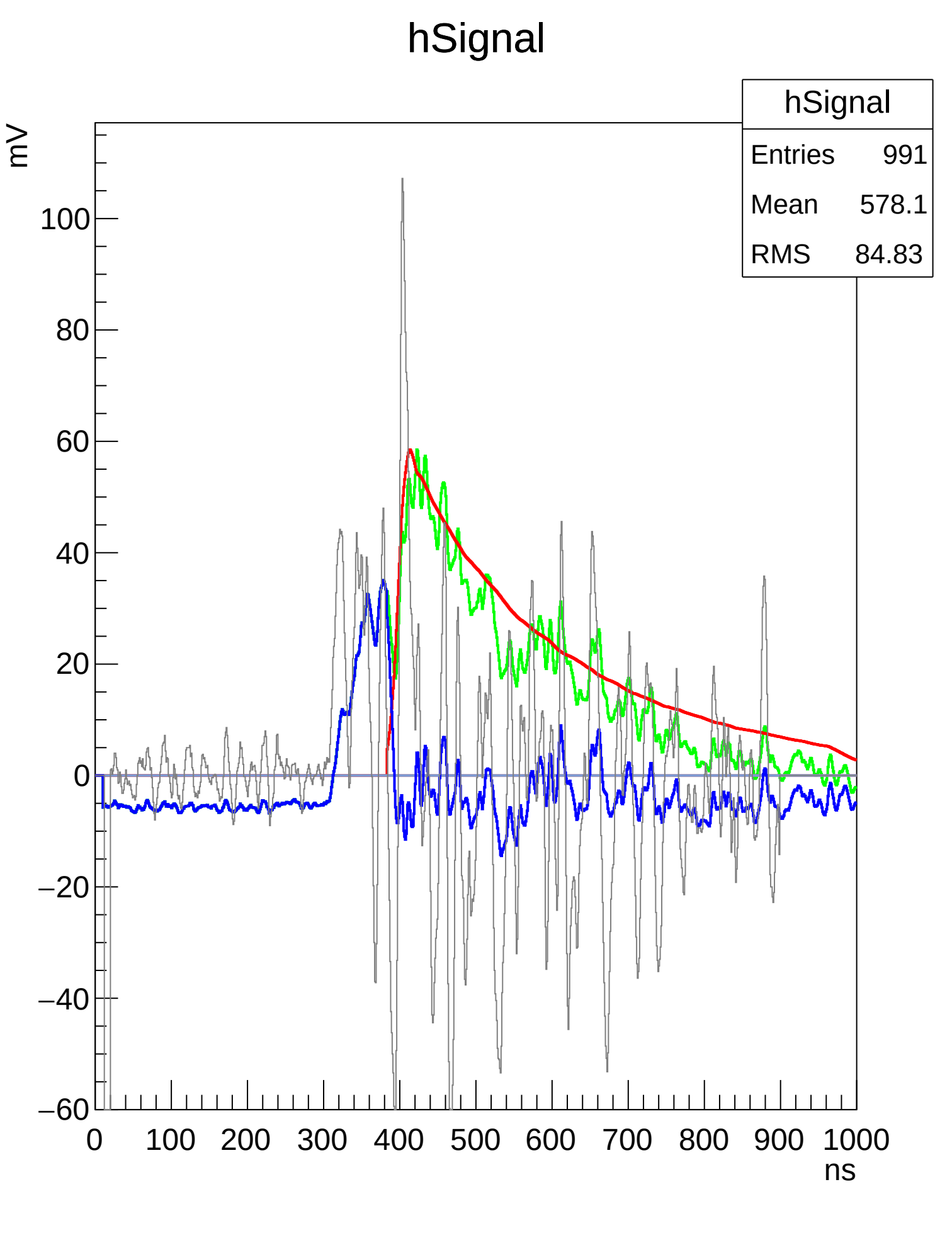

hSignal
hSignal
Entries 991
Mean 541.5
RMS 155.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470.2
RMS 137
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.7
RMS 106.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.1
RMS 158.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585
RMS 109.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.1
RMS 84.83
mV
100
80
60
40
20
0
−20
−40
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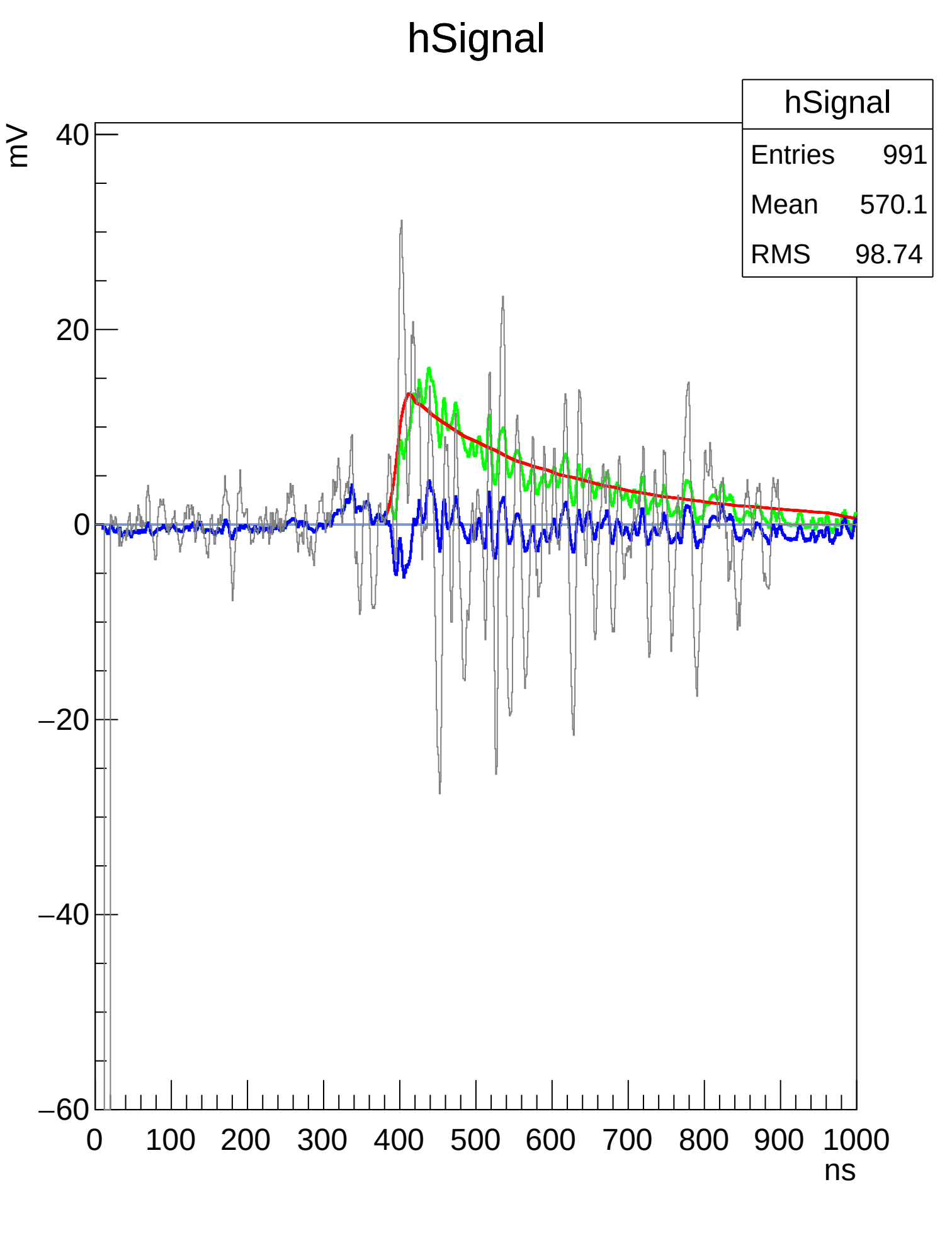
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.1
RMS 98.74
mV
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20
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−20
−40
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0
100
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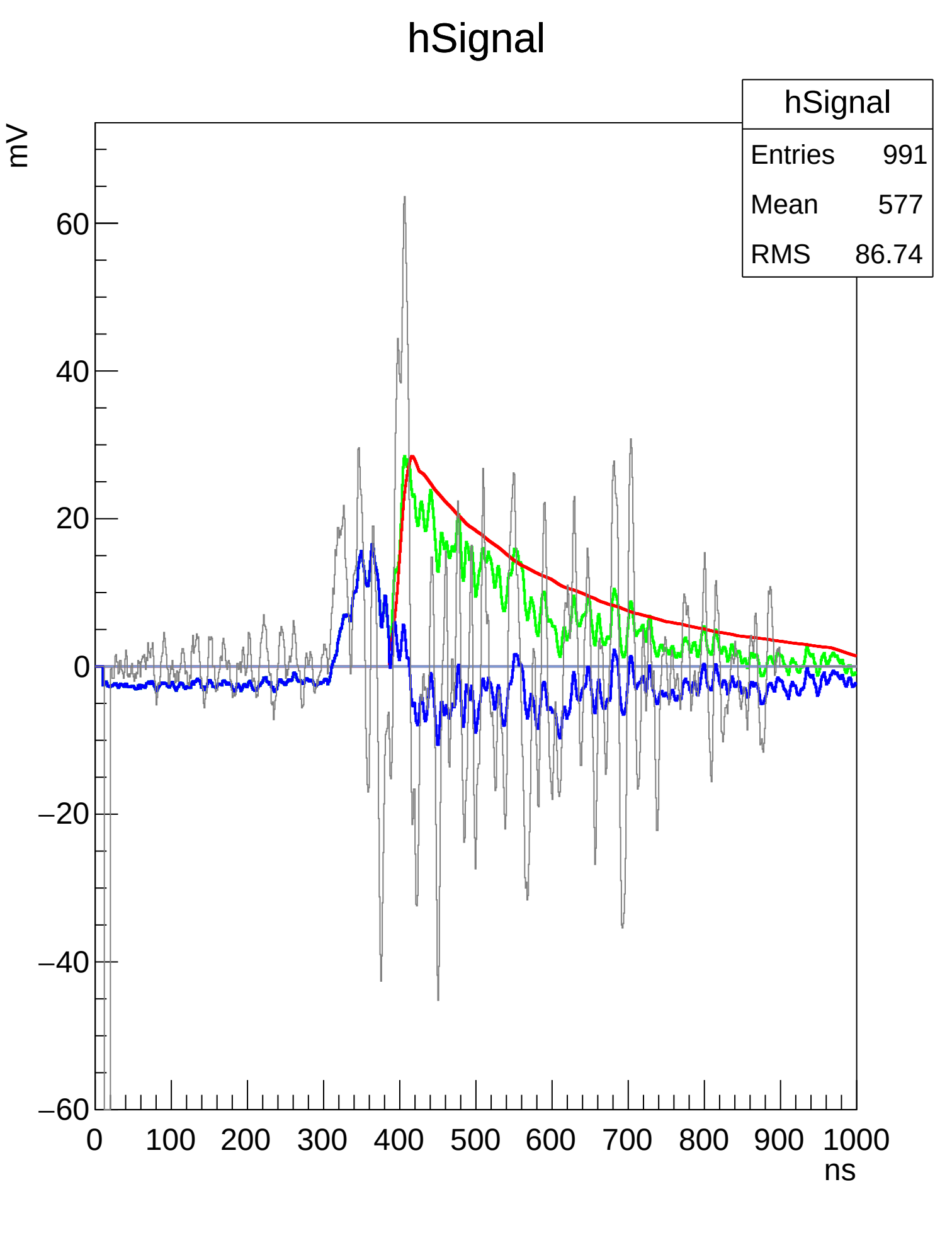
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 86.74
mV
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40
20
0
−20
−40
−60
0
100
200
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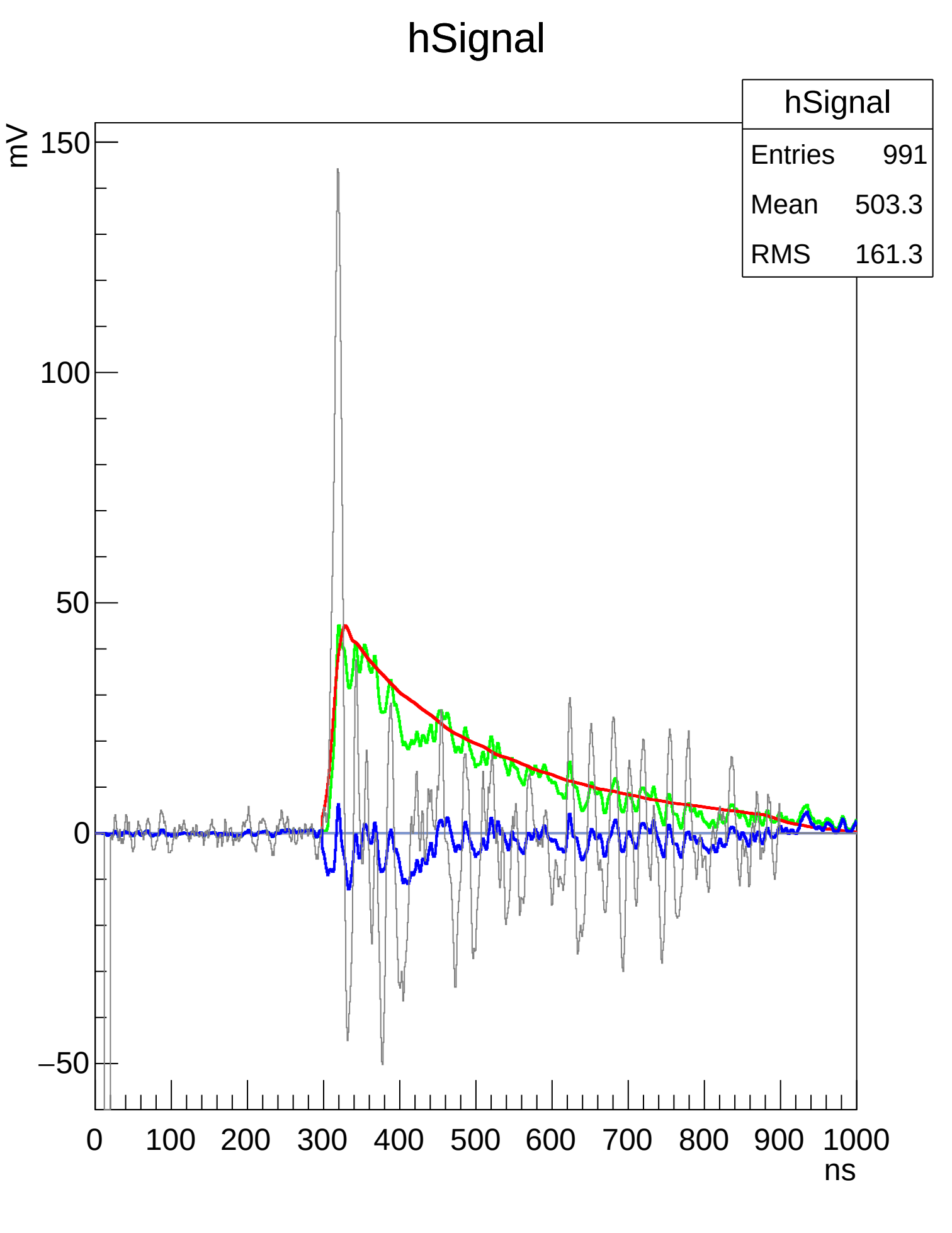
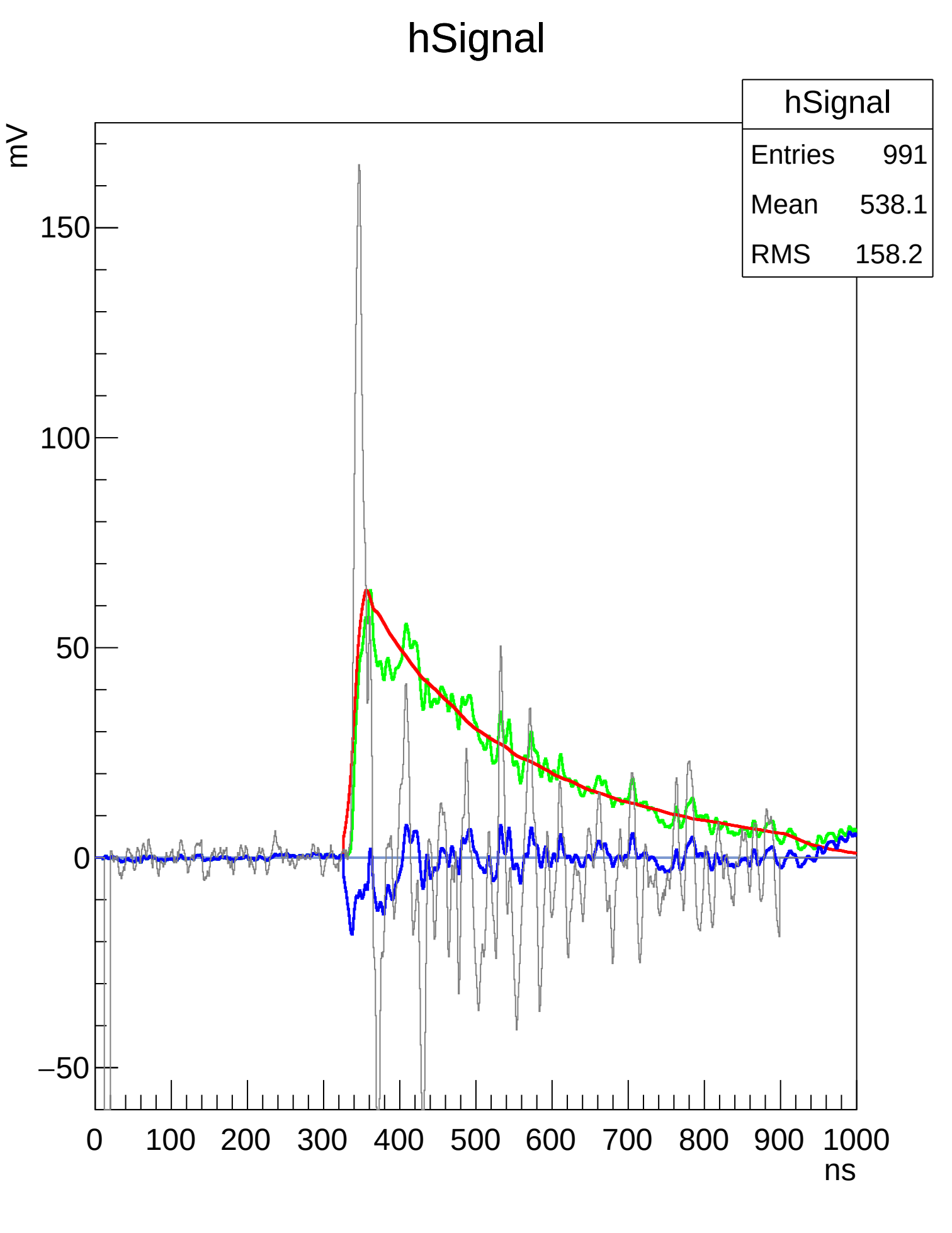
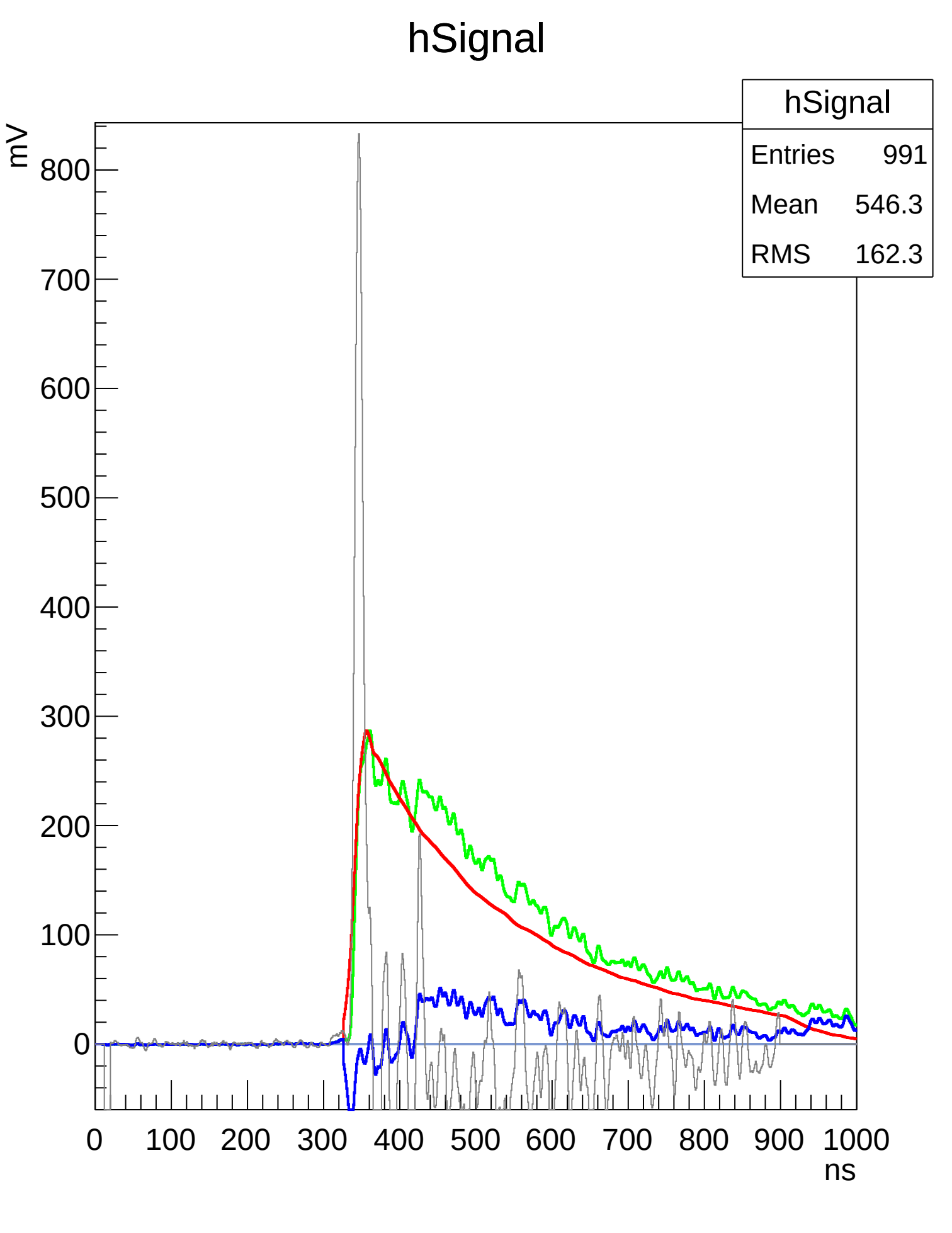
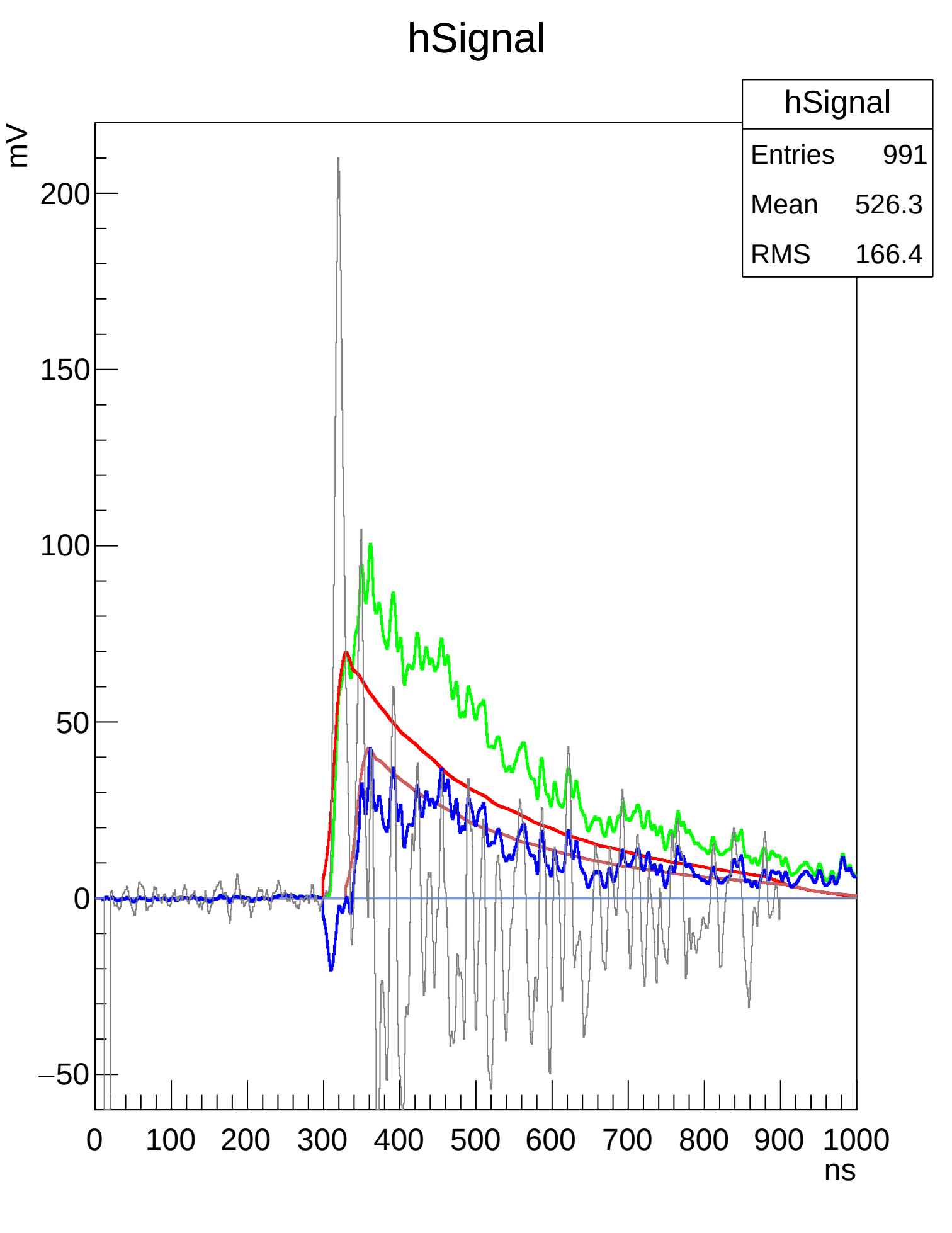
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.3
RMS 161.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 158.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.3
RMS 162.3
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.3
RMS 166.4
mV
200
150
100
50
0
−50
0
100
200
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400
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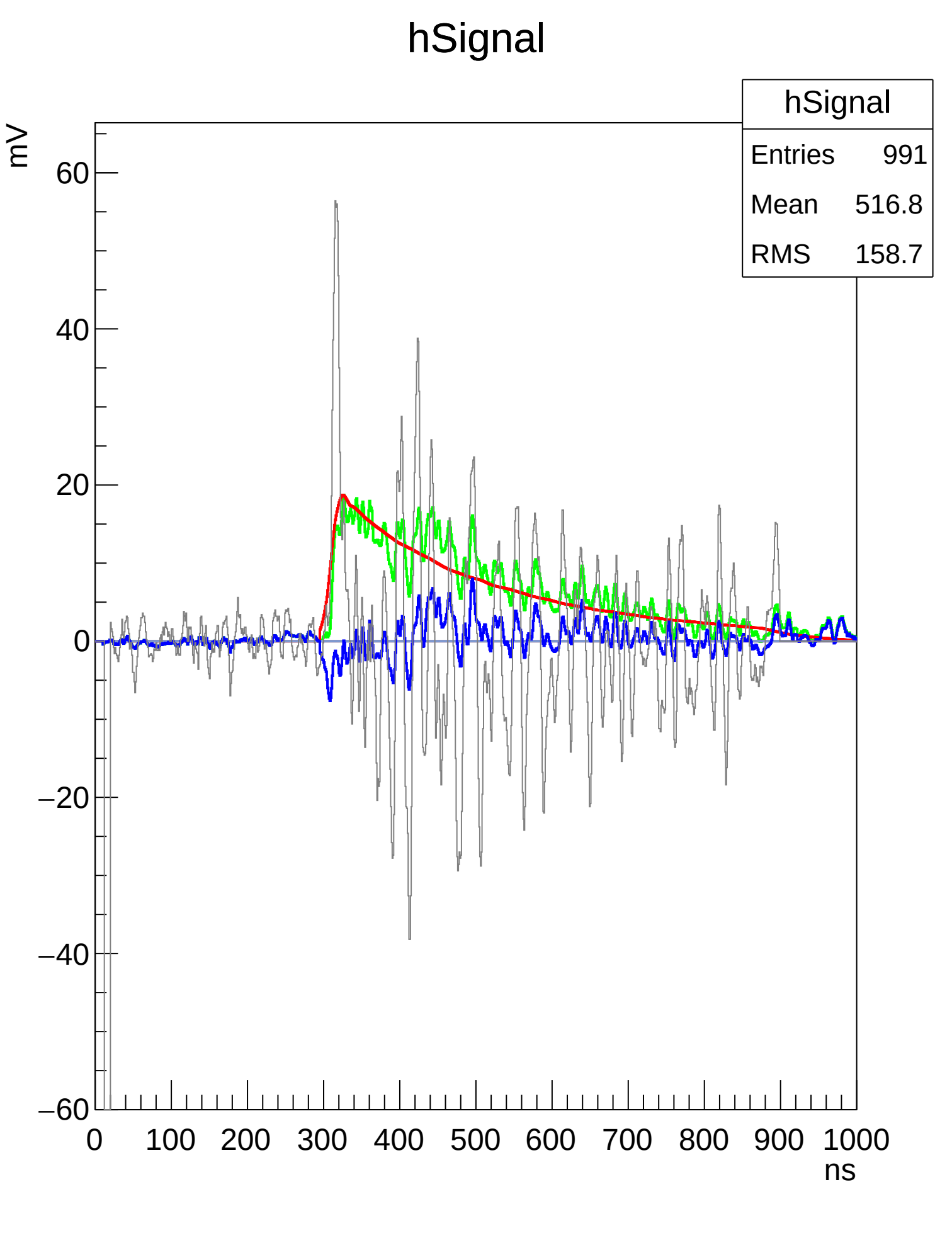
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.8
RMS 158.7
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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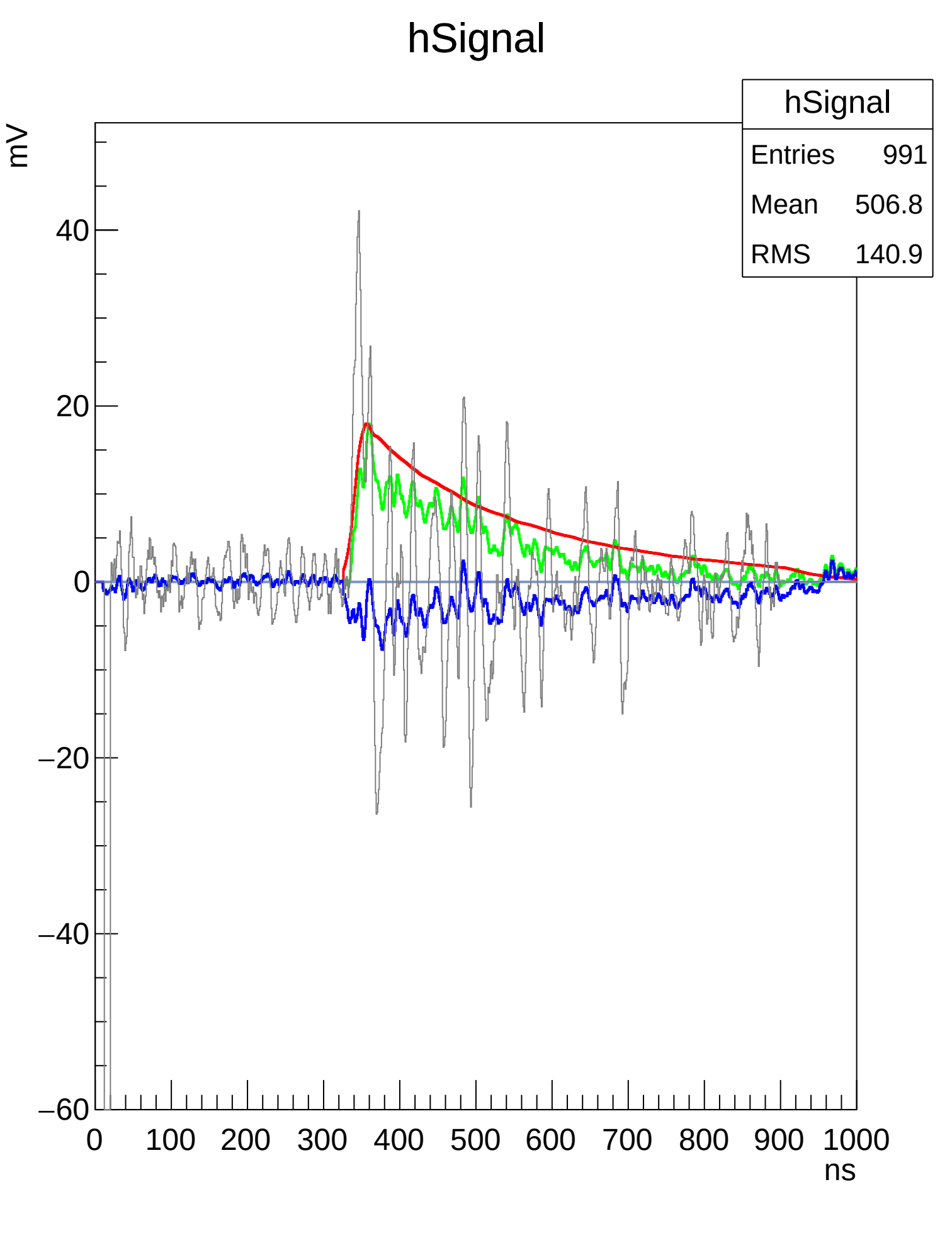
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.8
RMS 140.9
mV
40
20
0
−20
−40
−60
0
100
200
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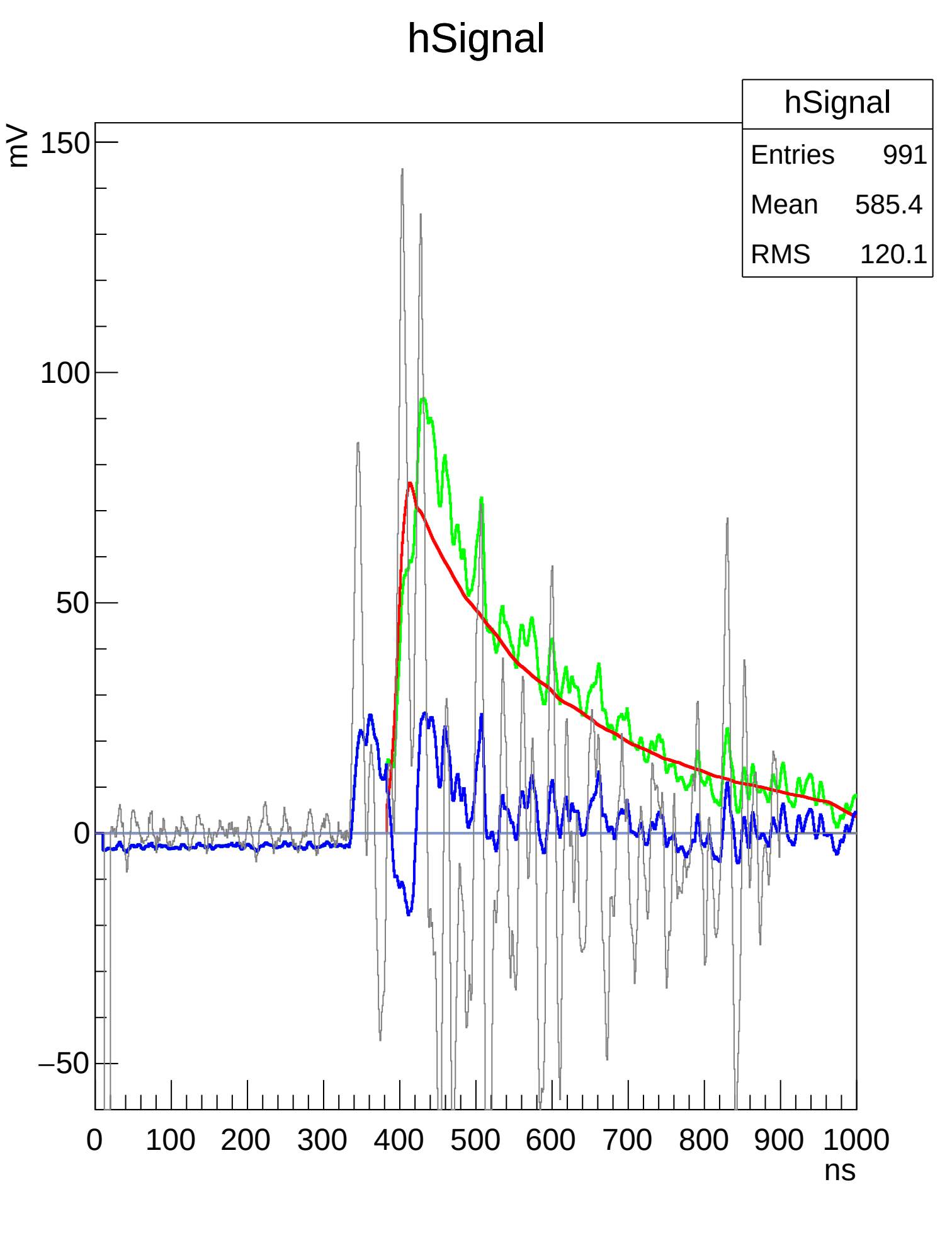
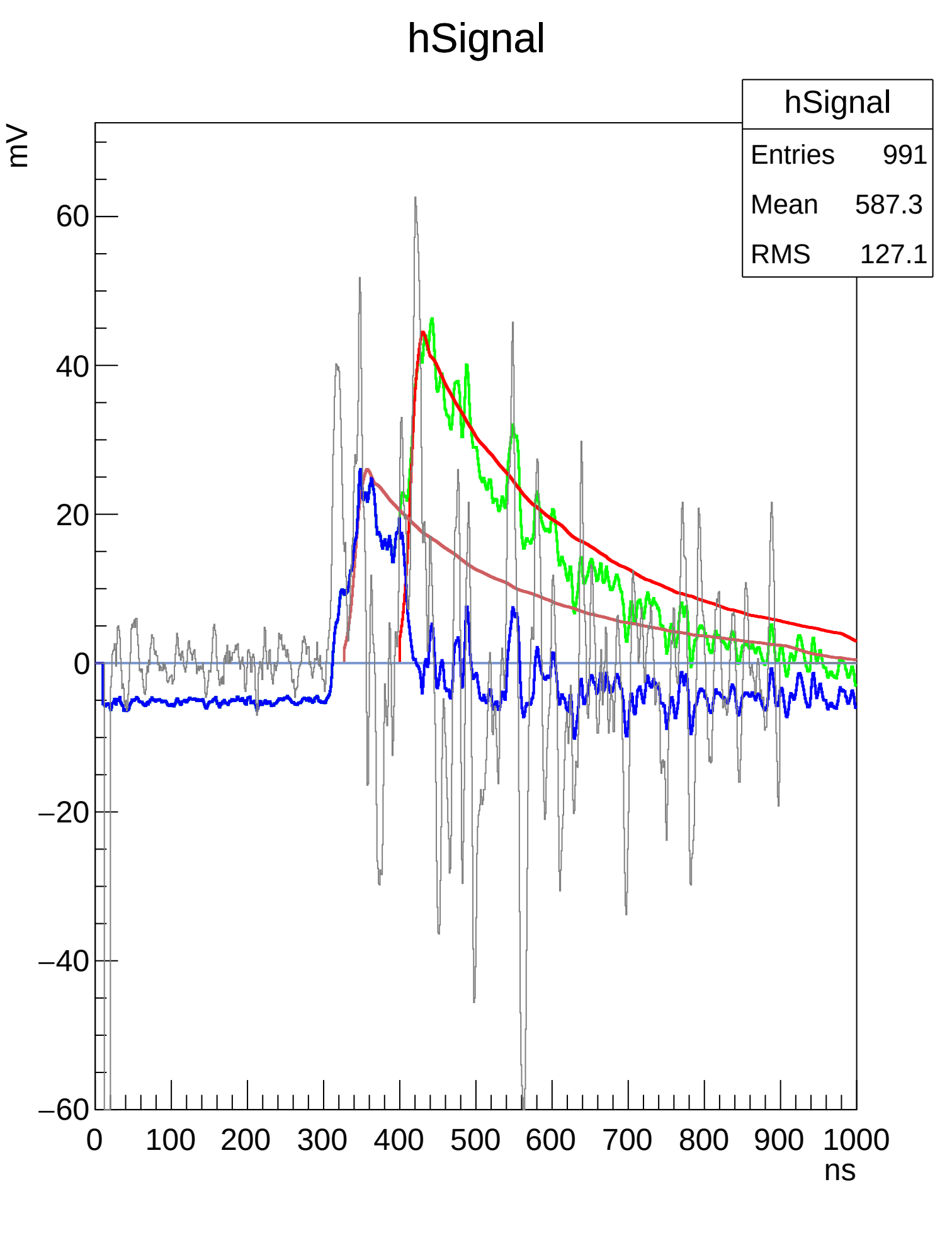
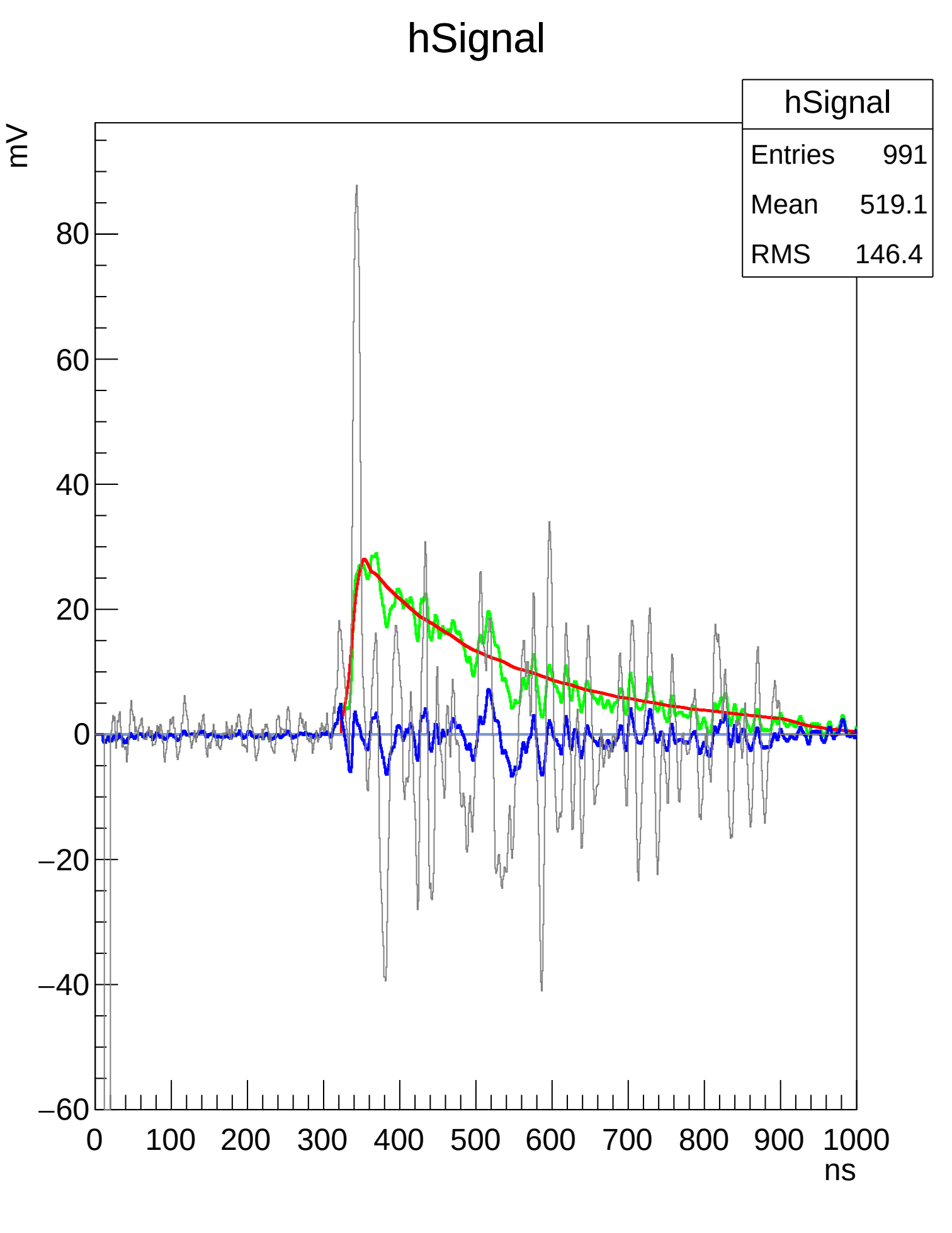
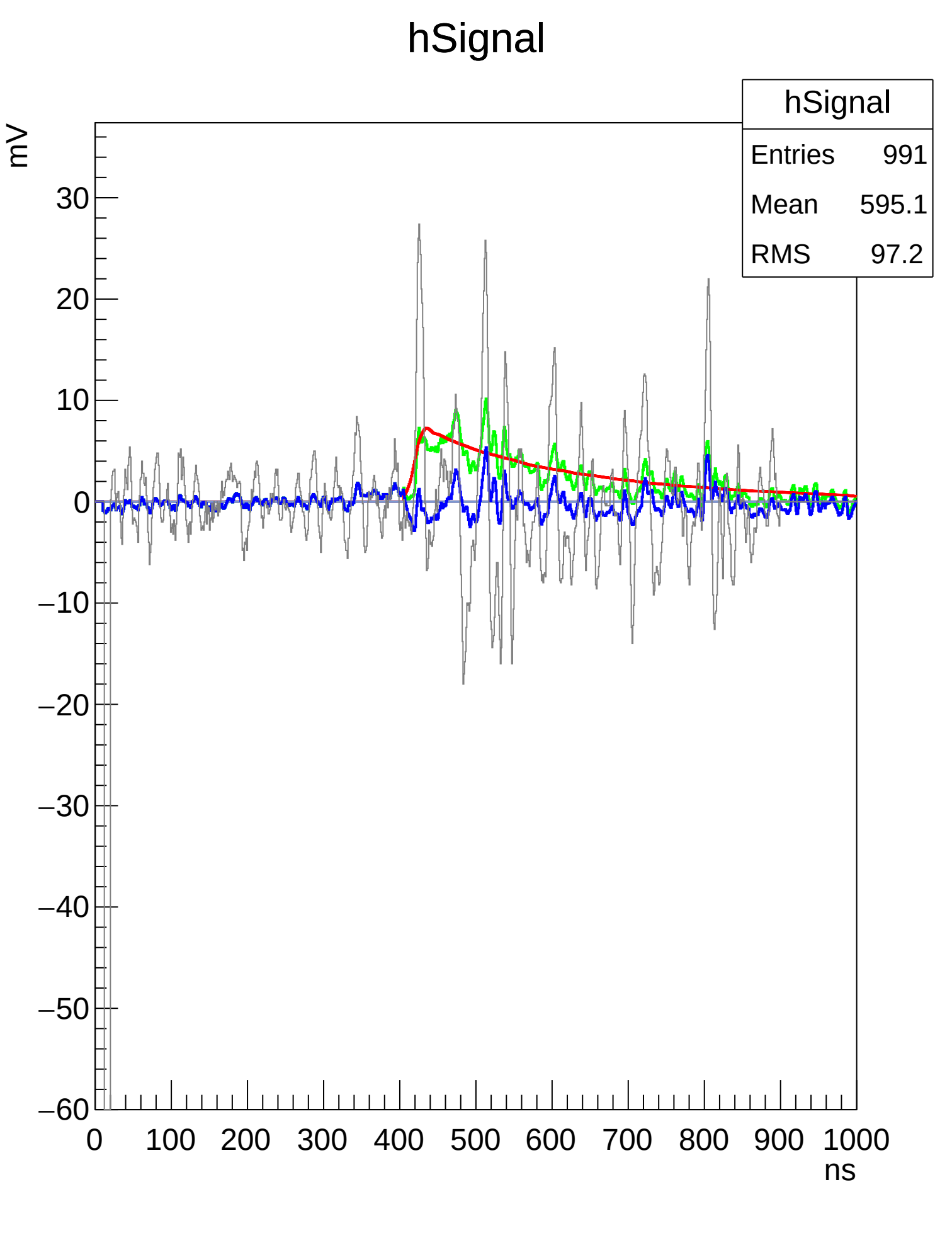
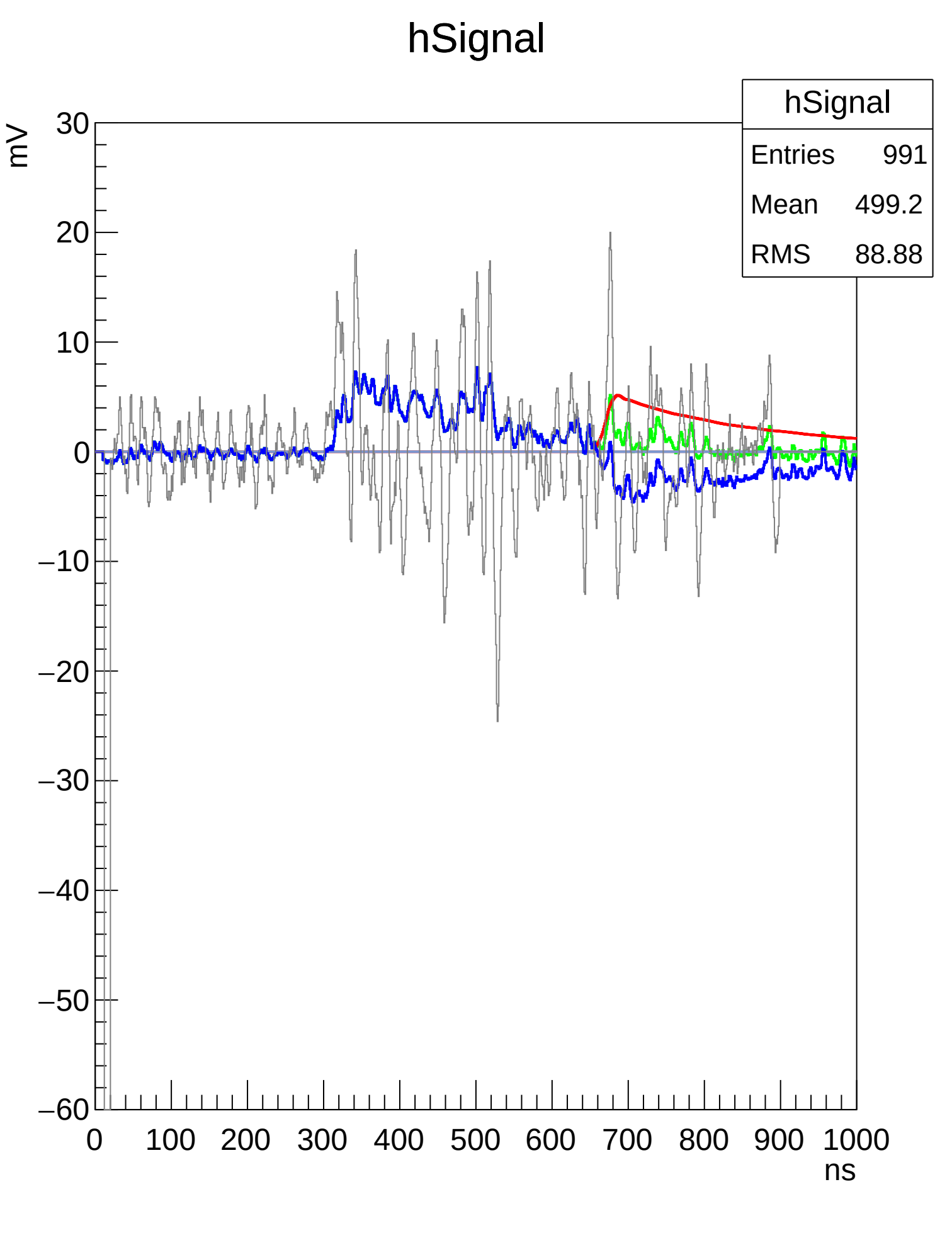
600
700
800
900
1000
ns

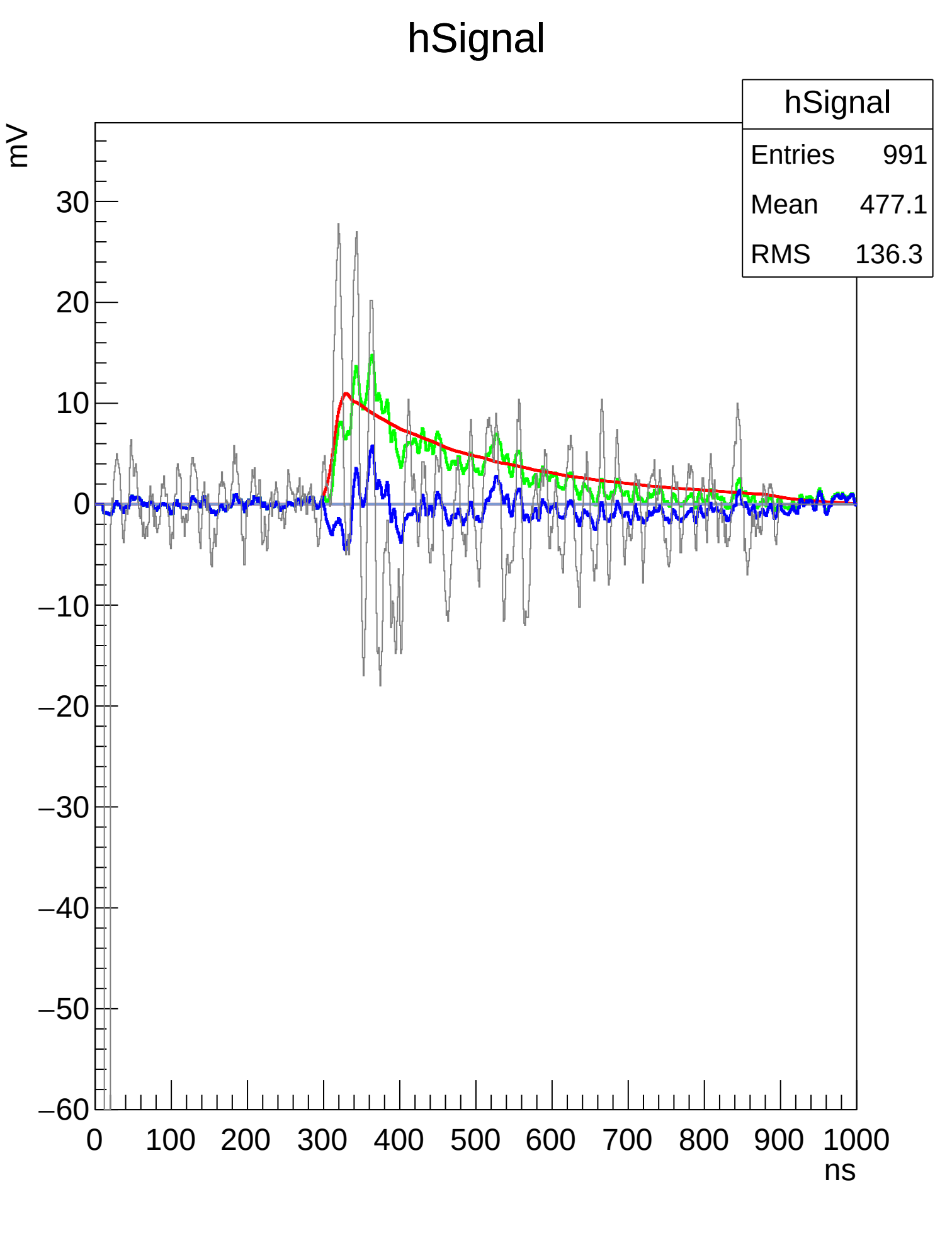

hSignal
hSignal
Entries 991
Mean 585.4
RMS 120.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

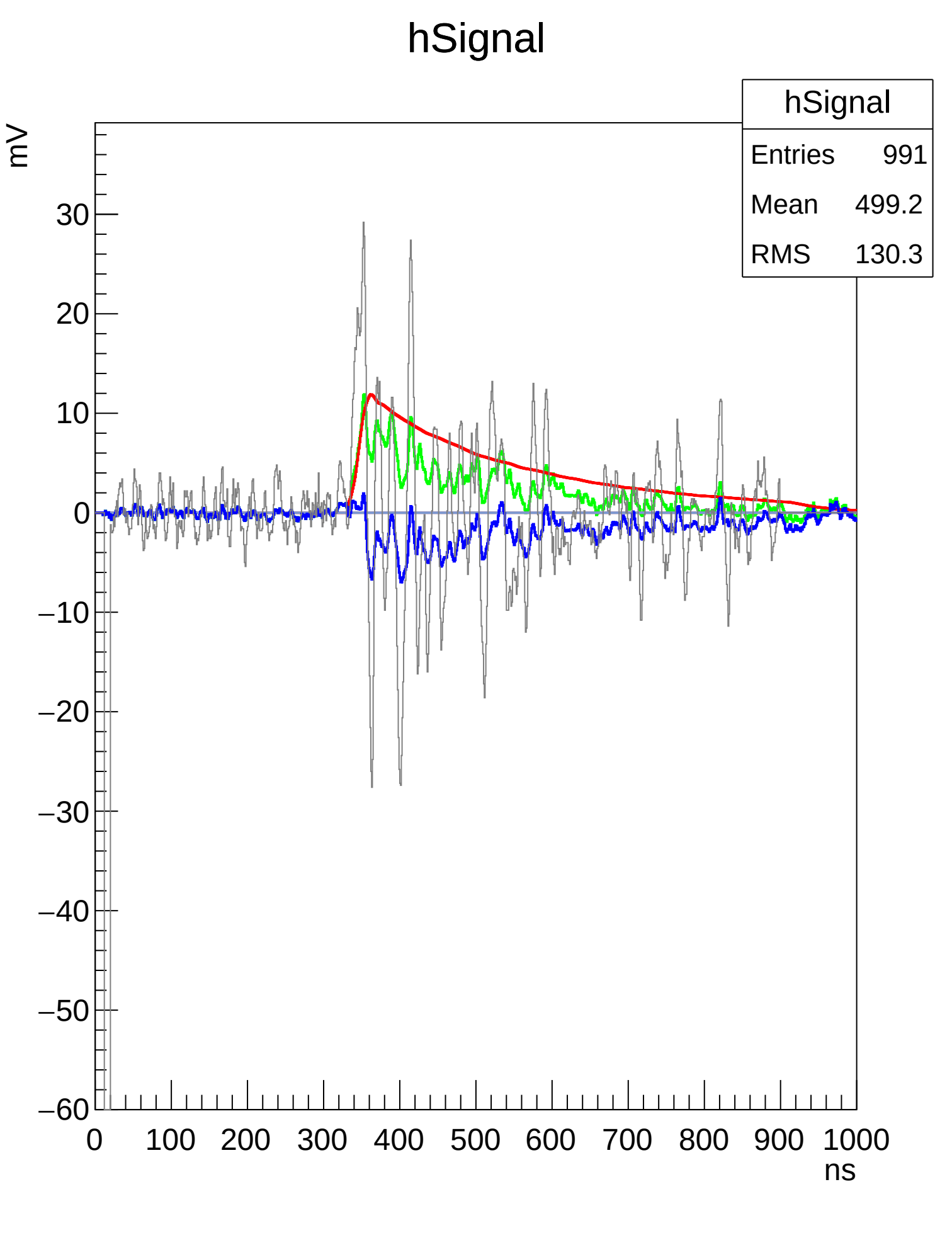

hSignal
hSignal
Entries 991
Mean 587.3
RMS 127.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

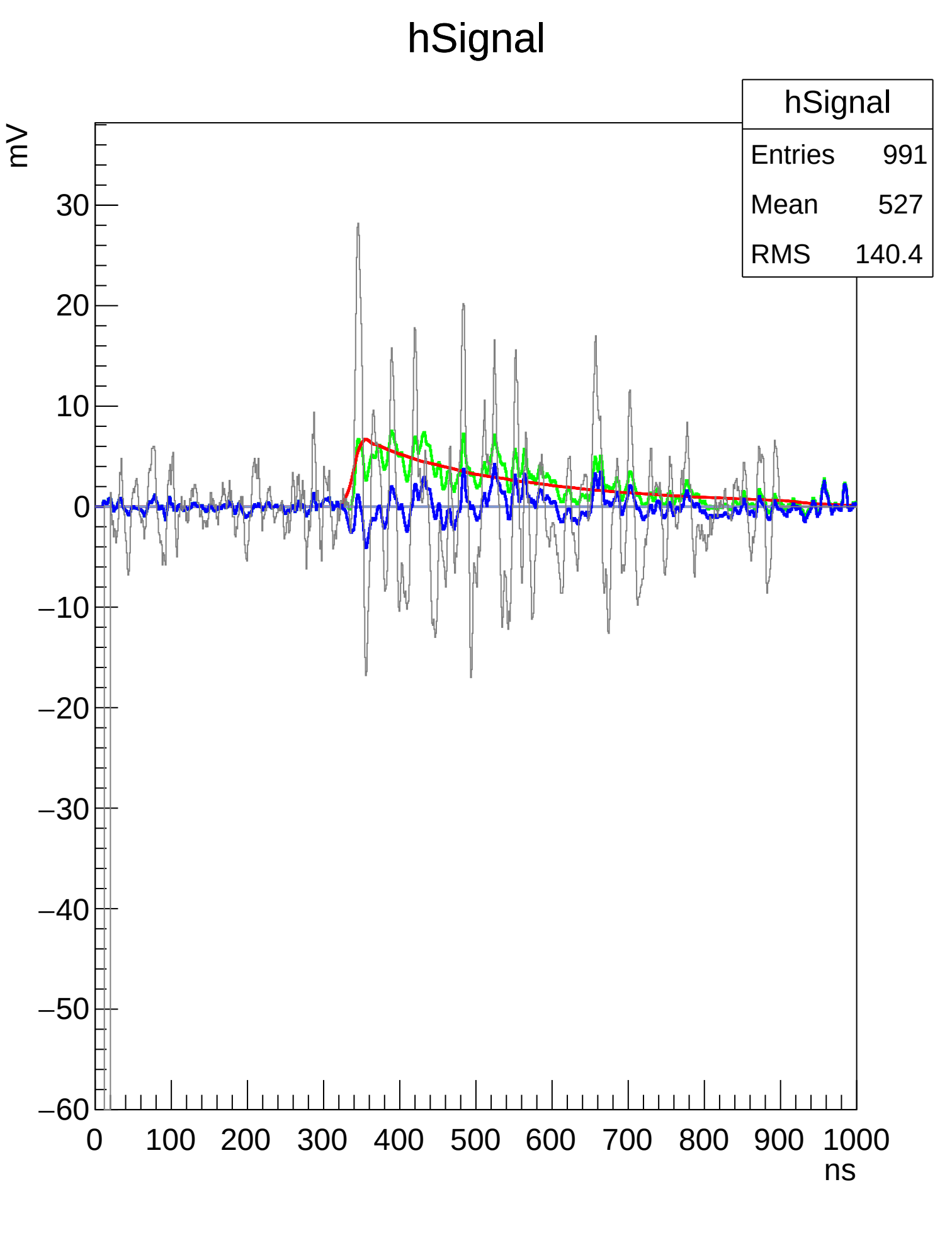

hSignal
hSignal
Entries 991
Mean 519.1
RMS 146.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

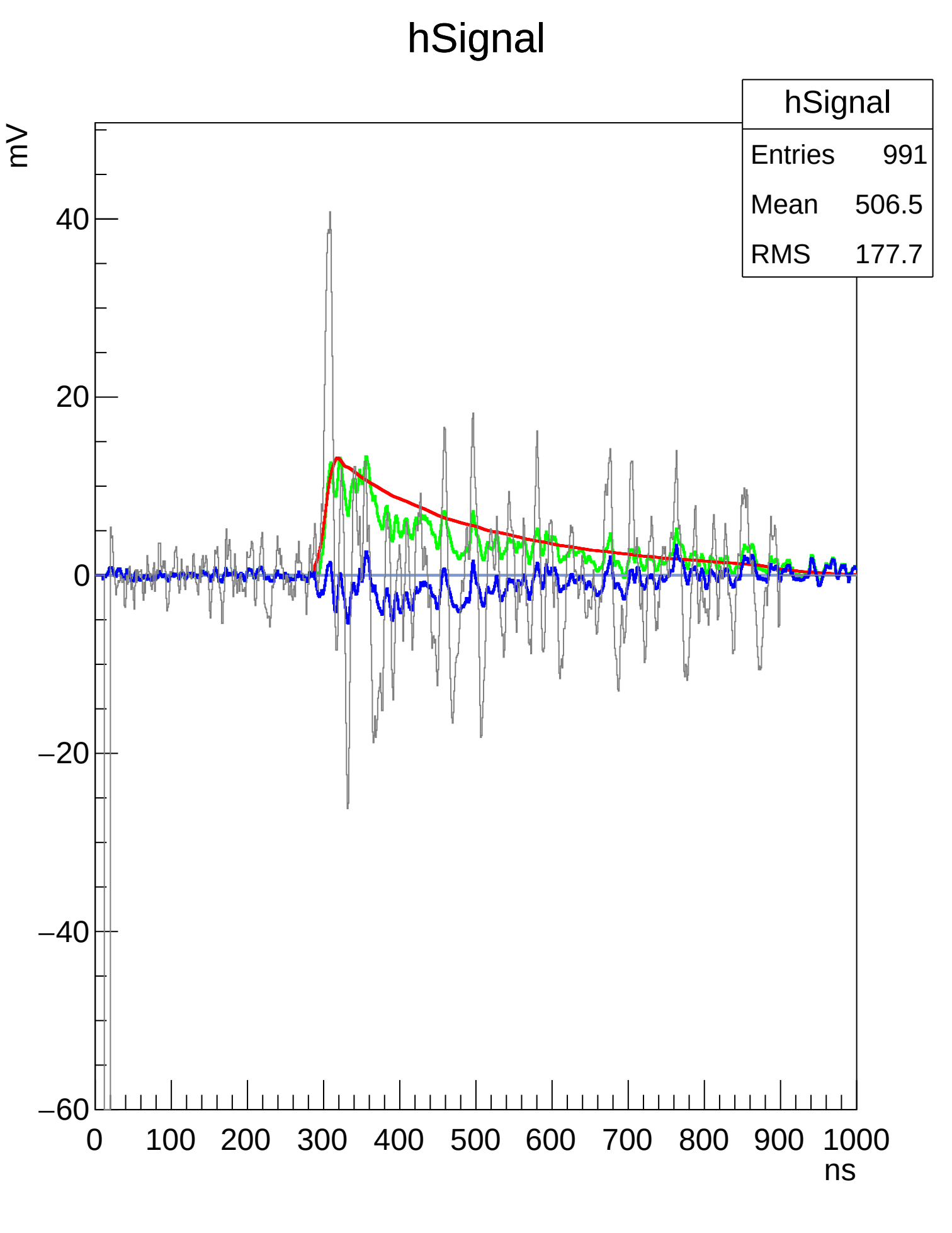

hSignal
hSignal
Entries 991
Mean 595.1
RMS 97.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.2
RMS 88.88
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 477.1
RMS 136.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.2
RMS 130.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527
RMS 140.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.5
RMS 177.7
mV
40
20
0
−20
−40
−60
0
100
200
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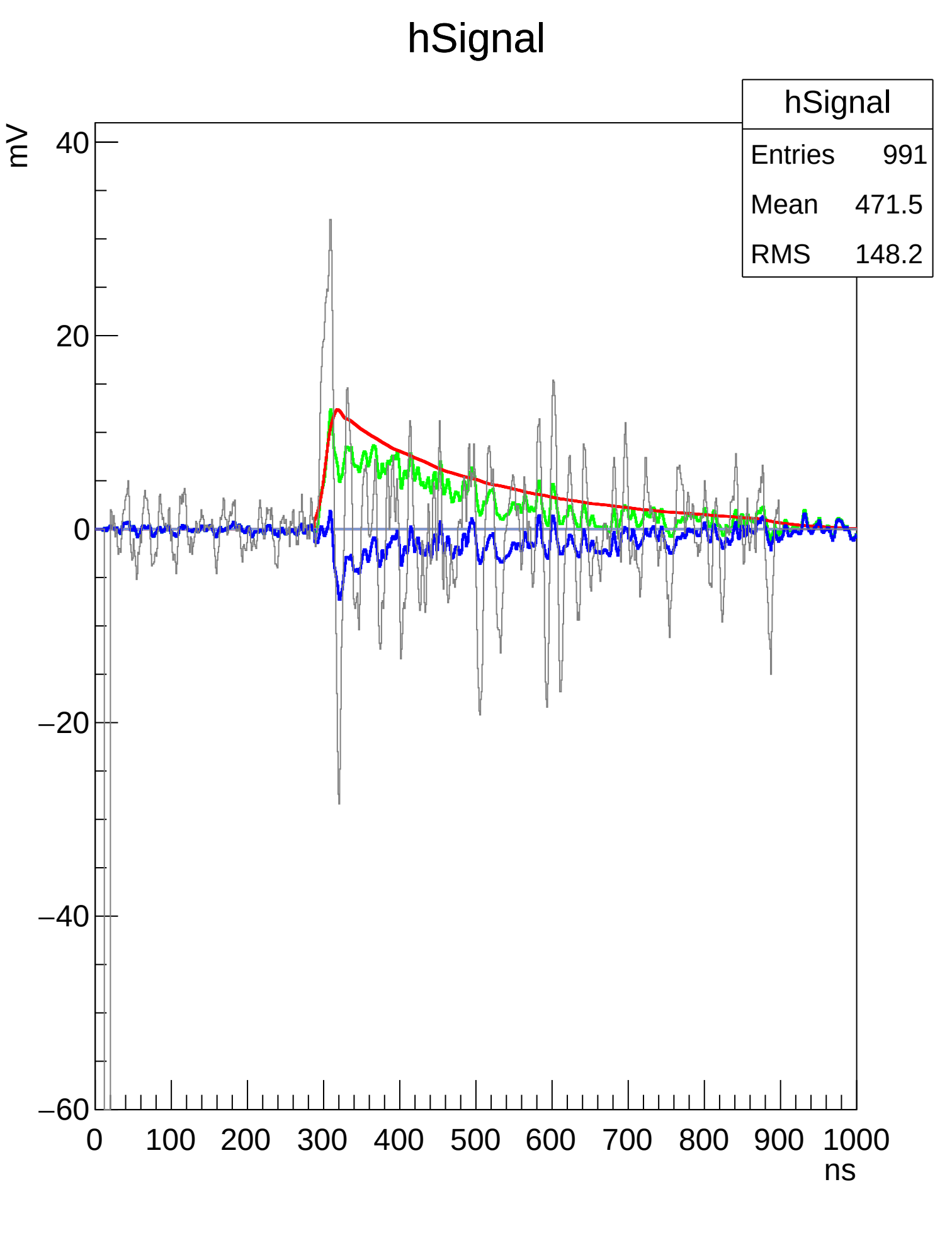
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 471.5
RMS 148.2
mV
40
20
0
−20
−40
−60
0
100
200
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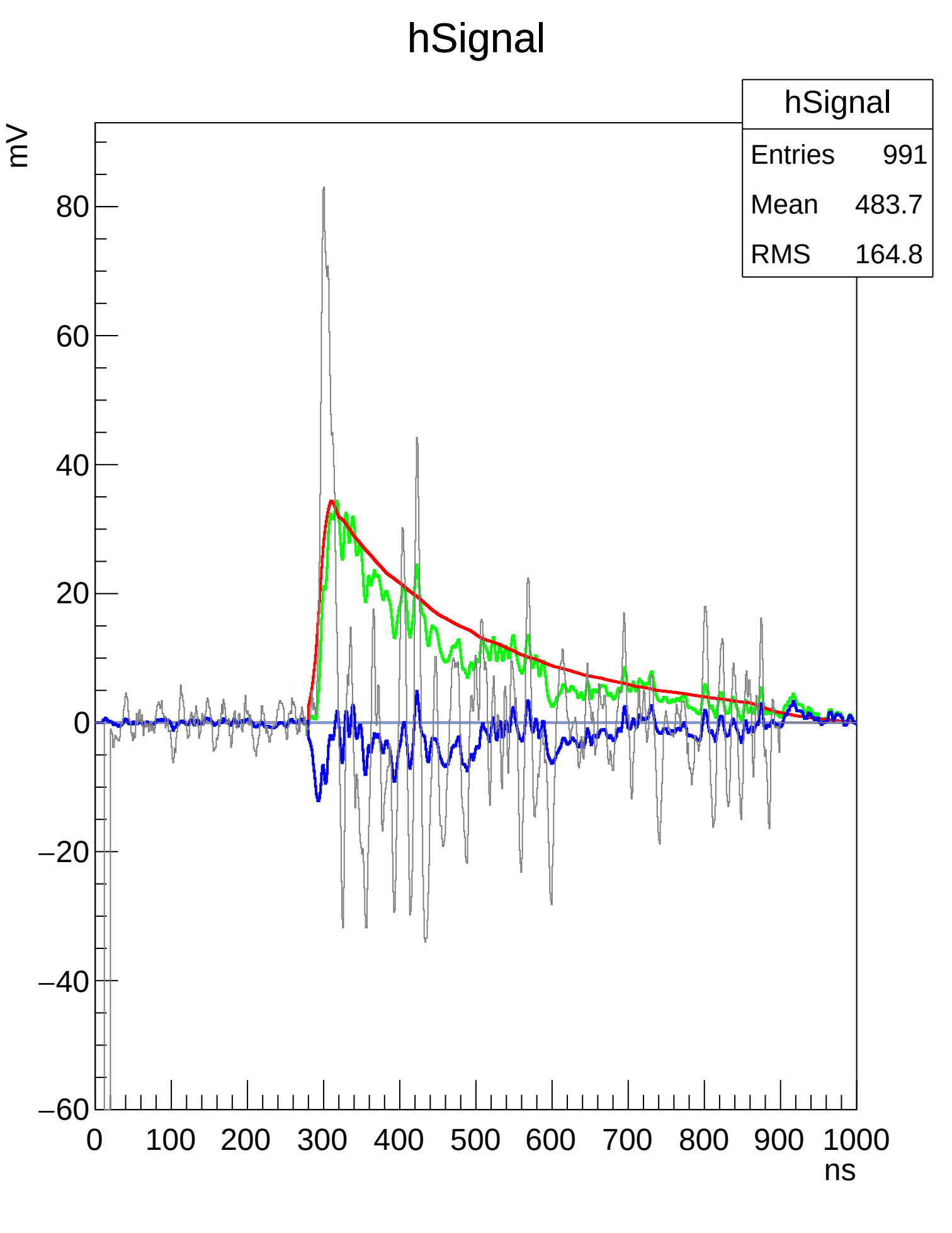
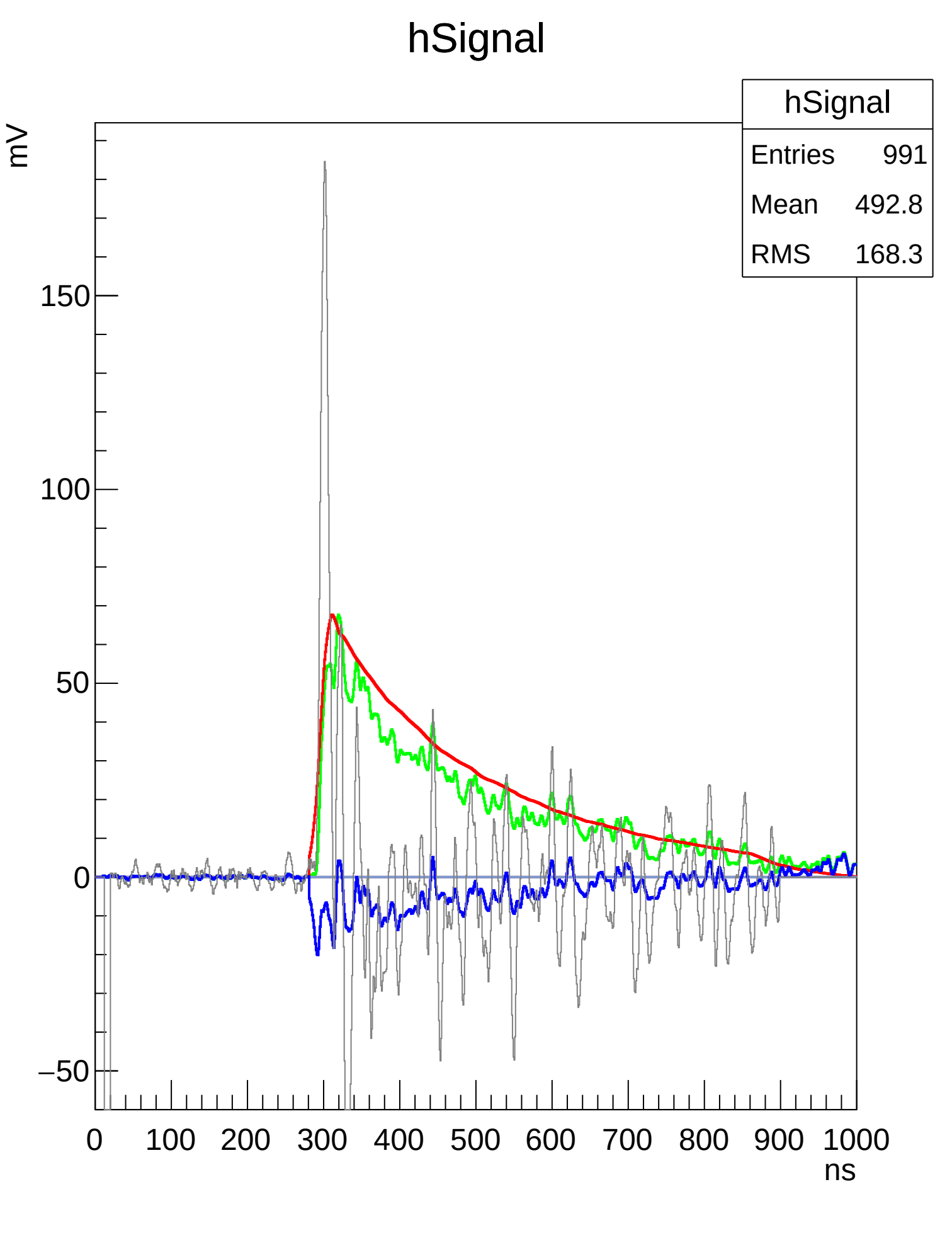
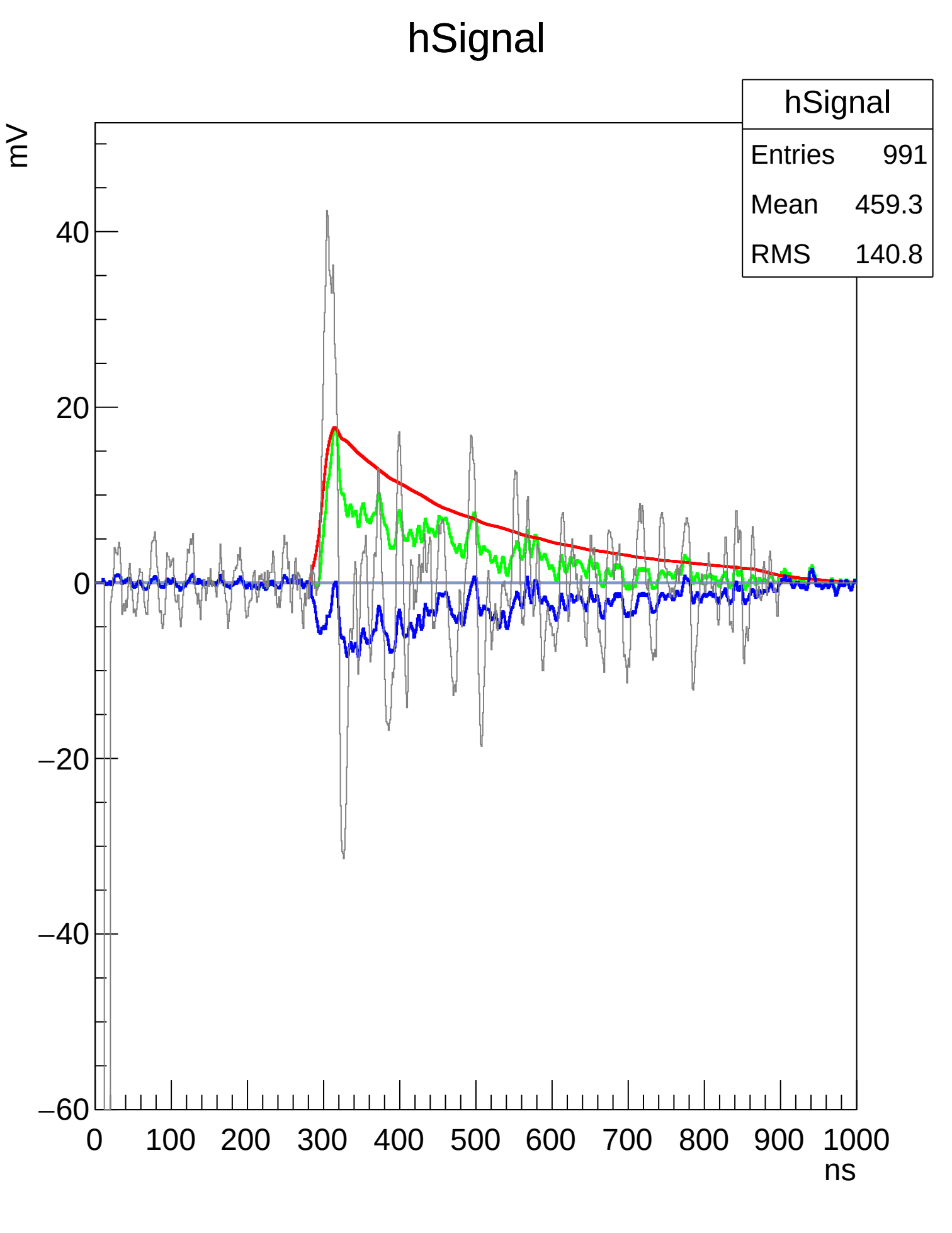
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.7
RMS 164.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.8
RMS 168.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 459.3
RMS 140.8
mV
40
20
0
−20
−40
−60
0
100
200
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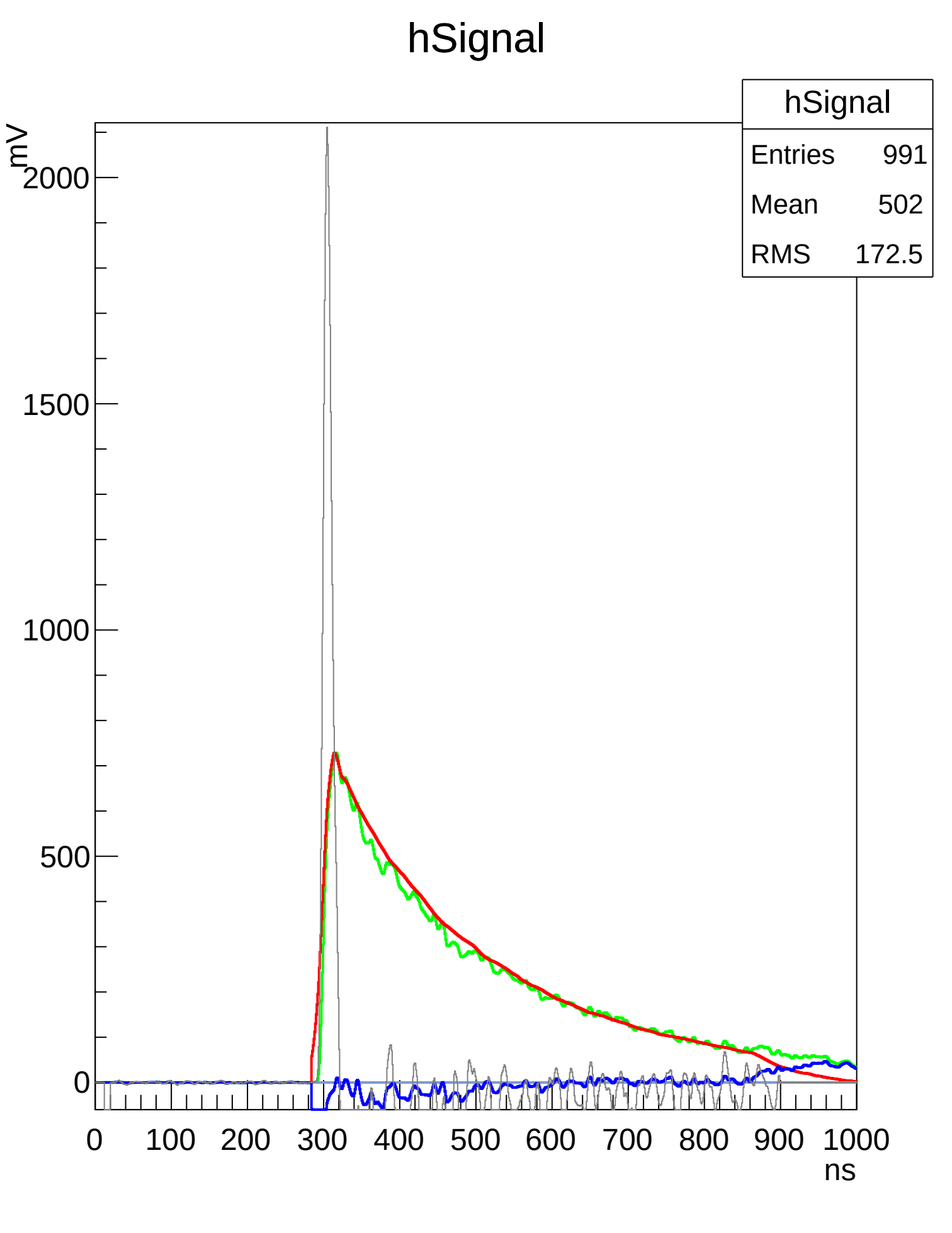
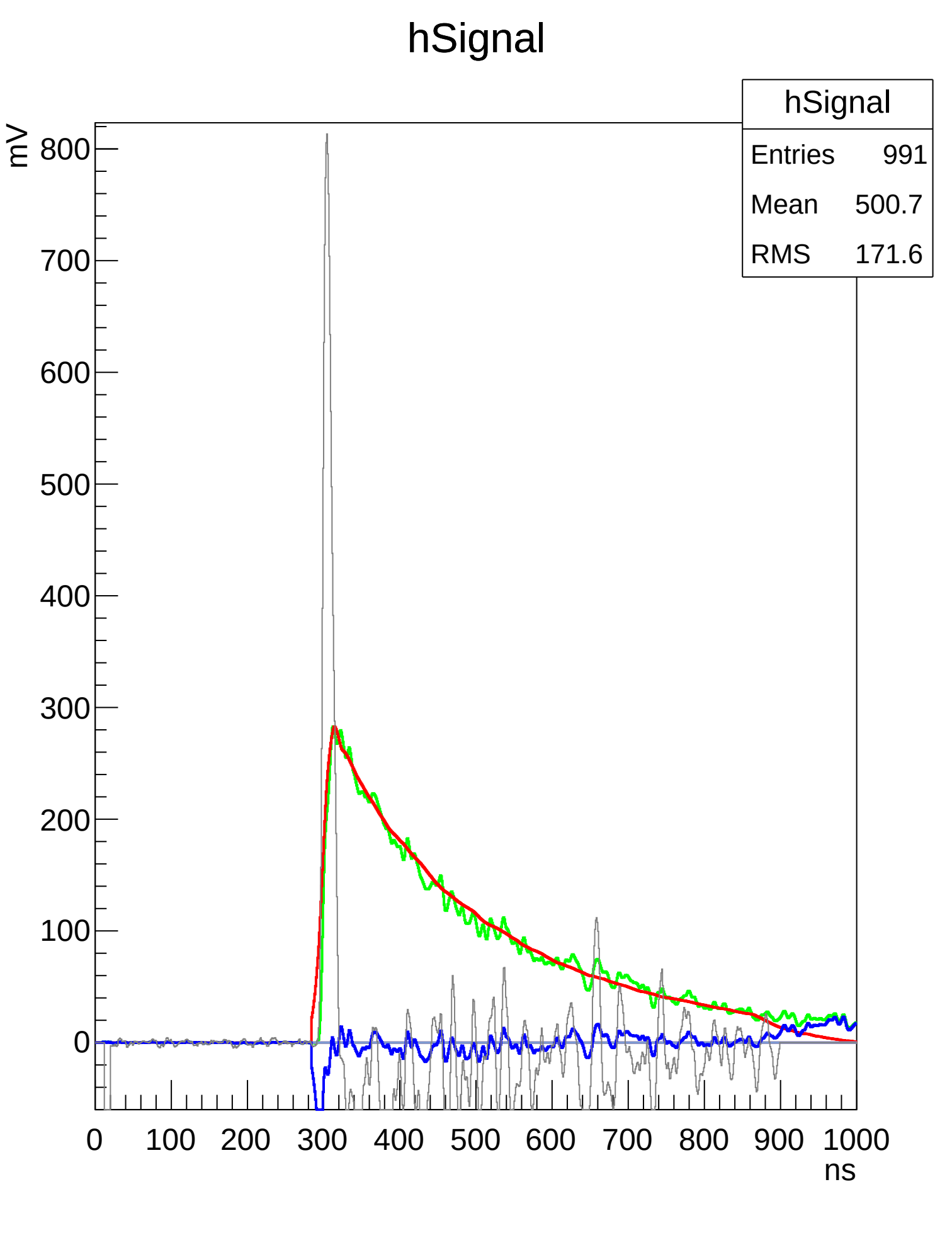
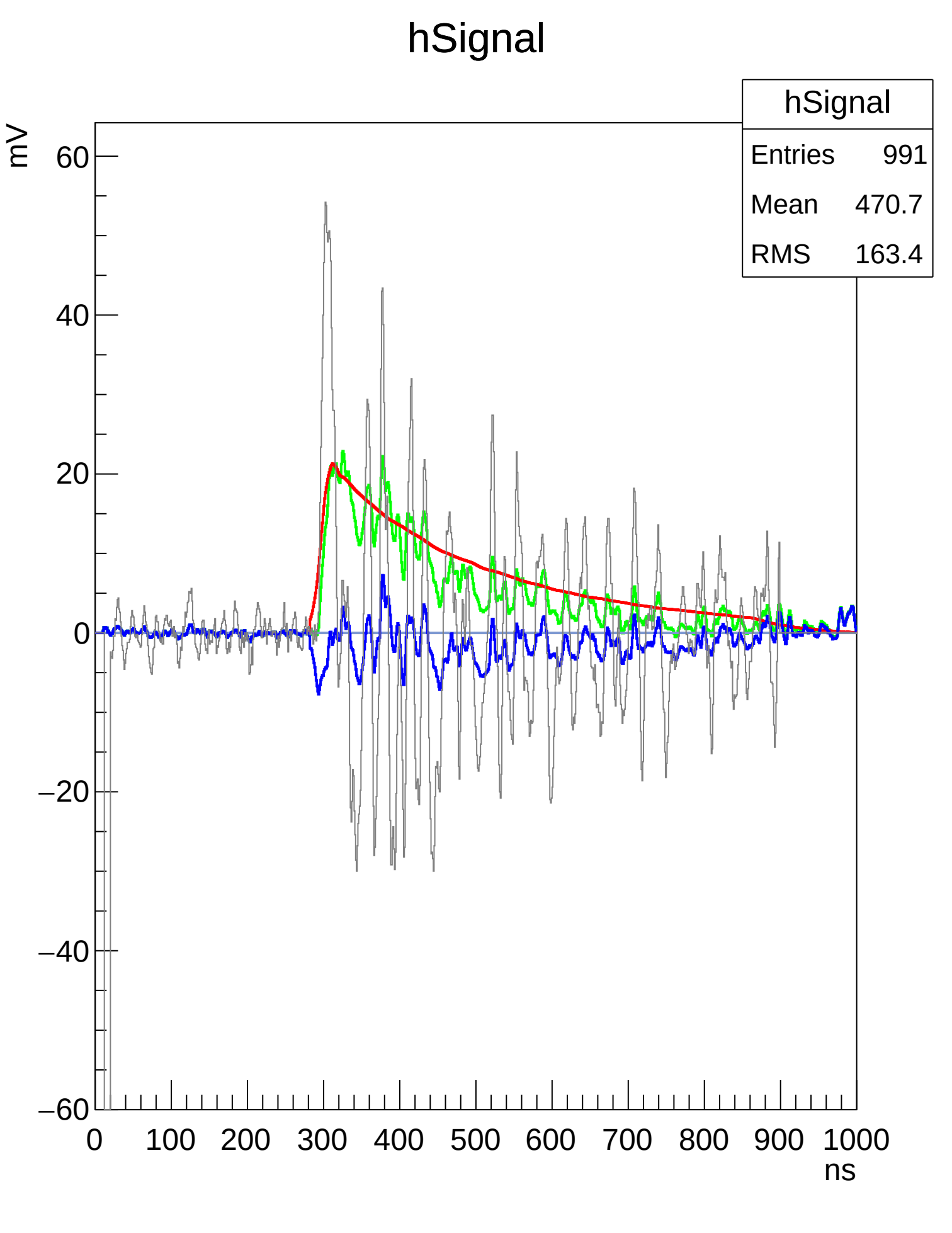
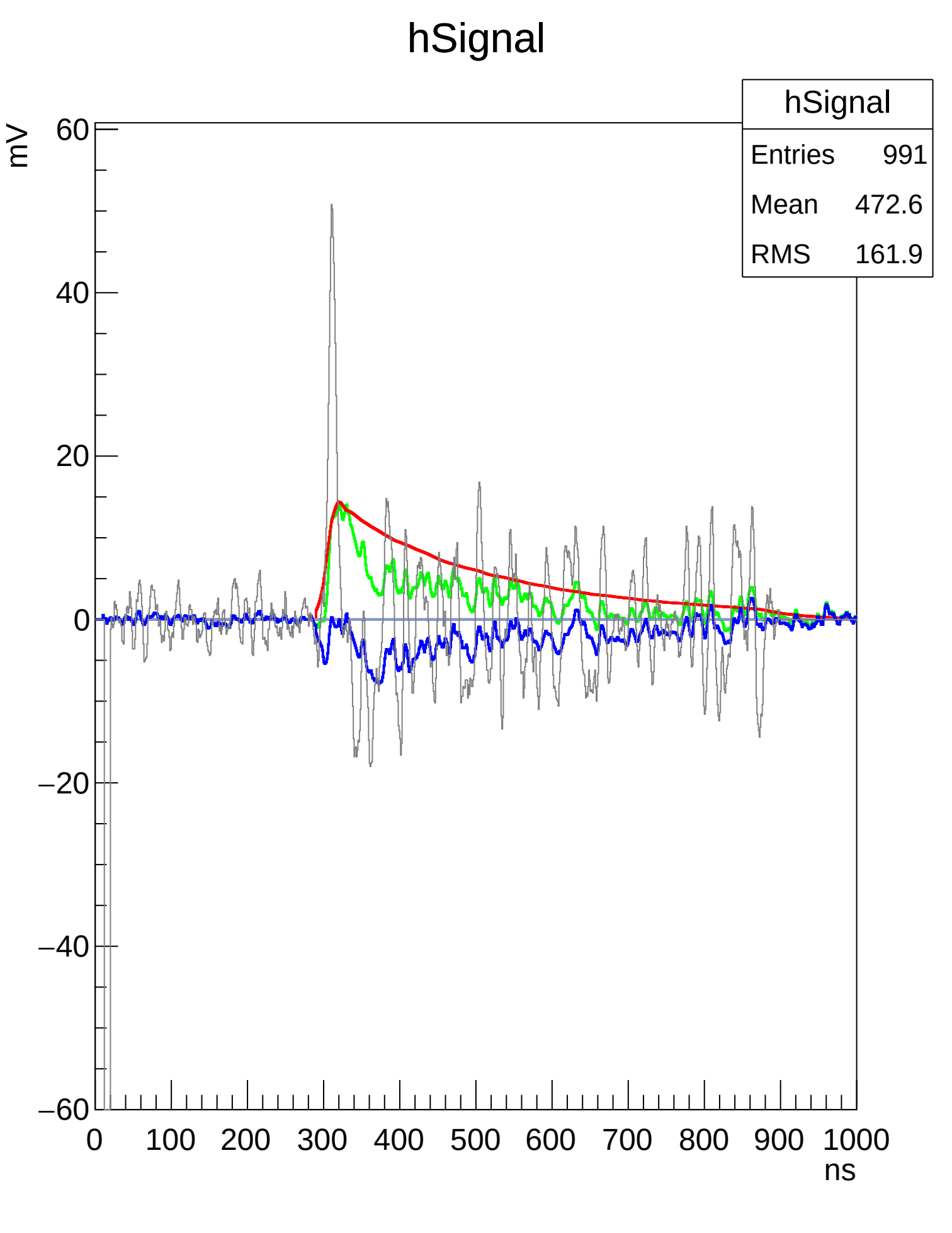
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502
RMS 172.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 500.7
RMS 171.6
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470.7
RMS 163.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 472.6
RMS 161.9
mV
60
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20
0
−20
−40
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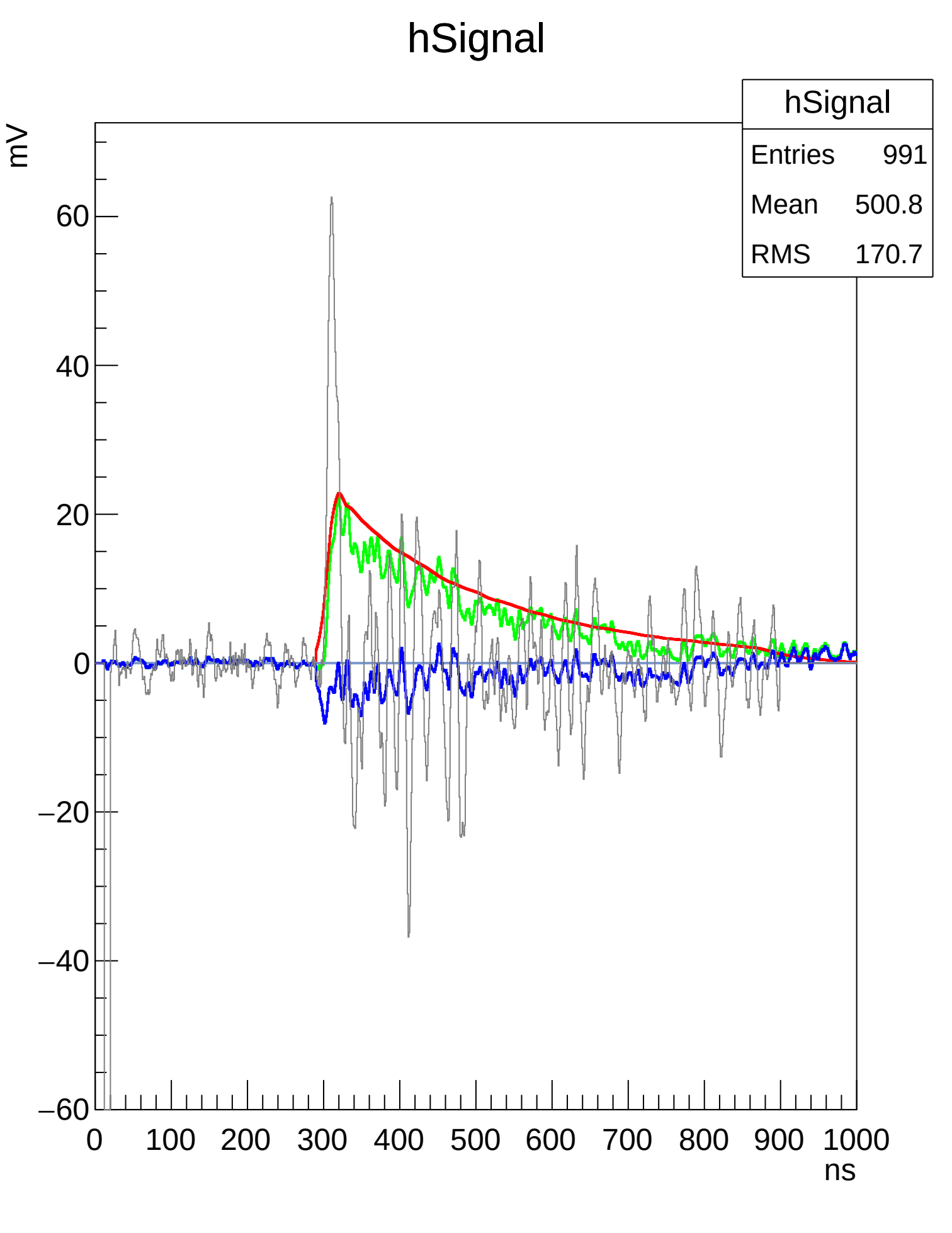
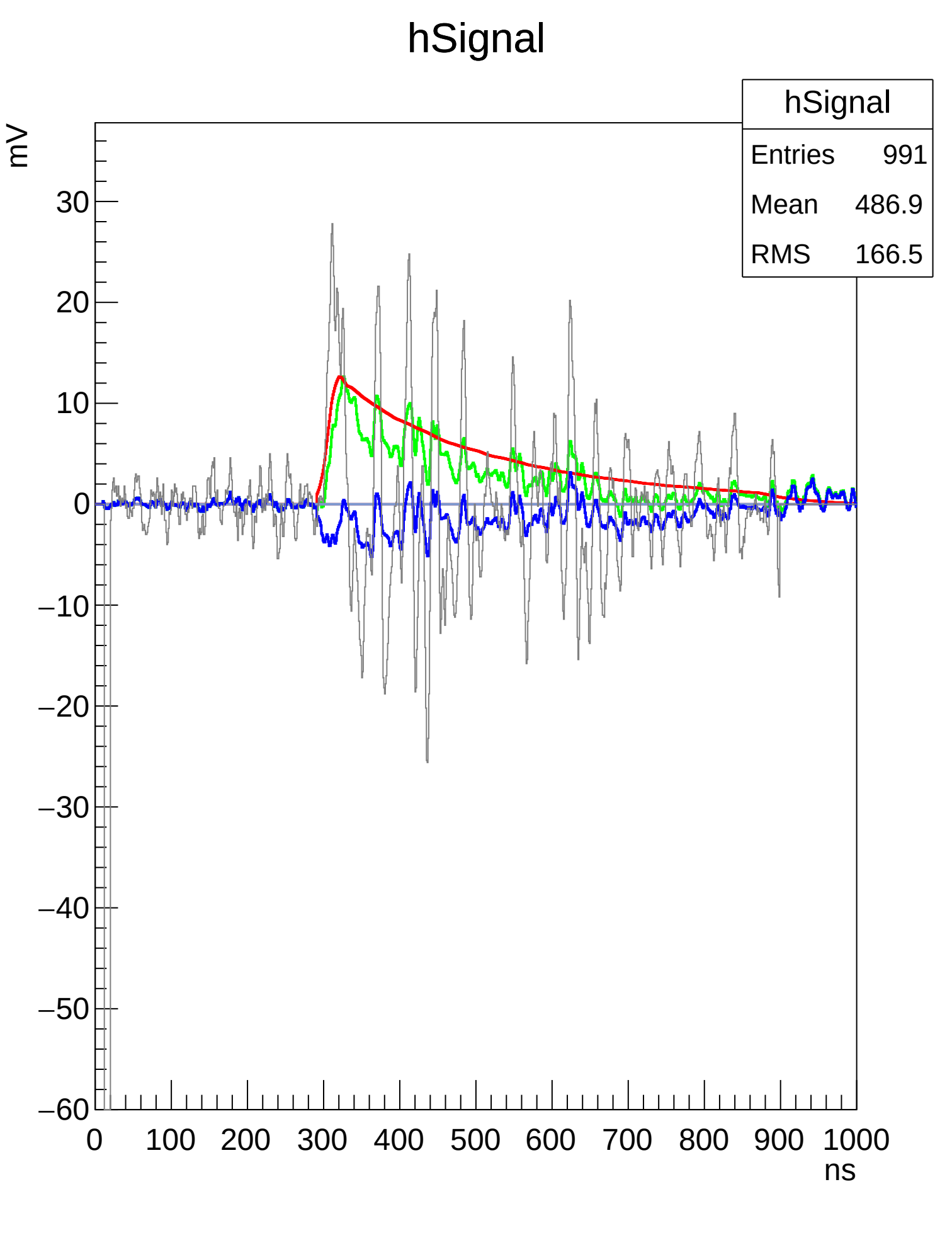
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500.8
RMS 170.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.9
RMS 166.5
mV
30
20
10
0
−10
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−40
−50
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0
100
200
300
400
500
600
700
800
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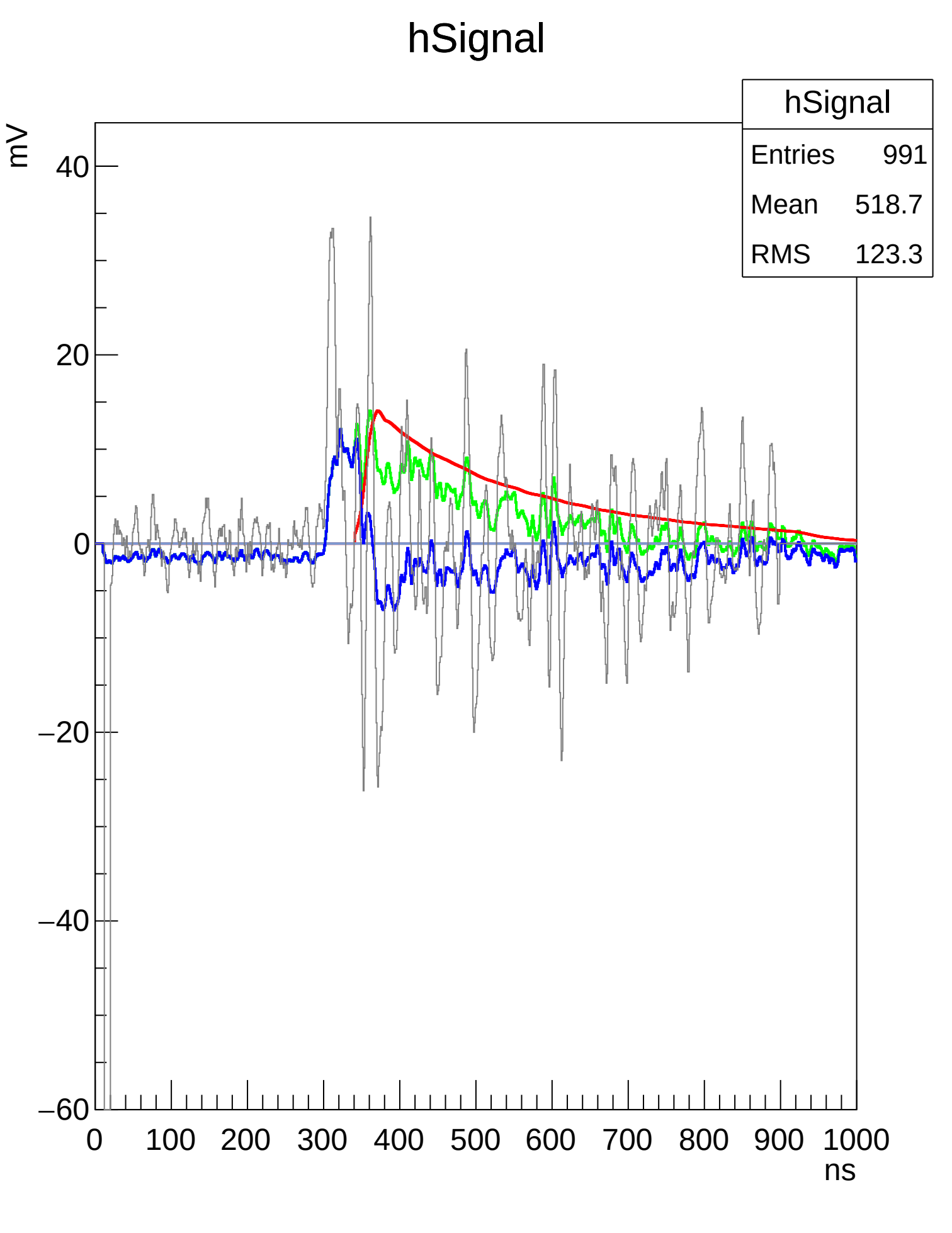
1000
ns


hSignal
hSignal
Entries 991
Mean 518.7
RMS 123.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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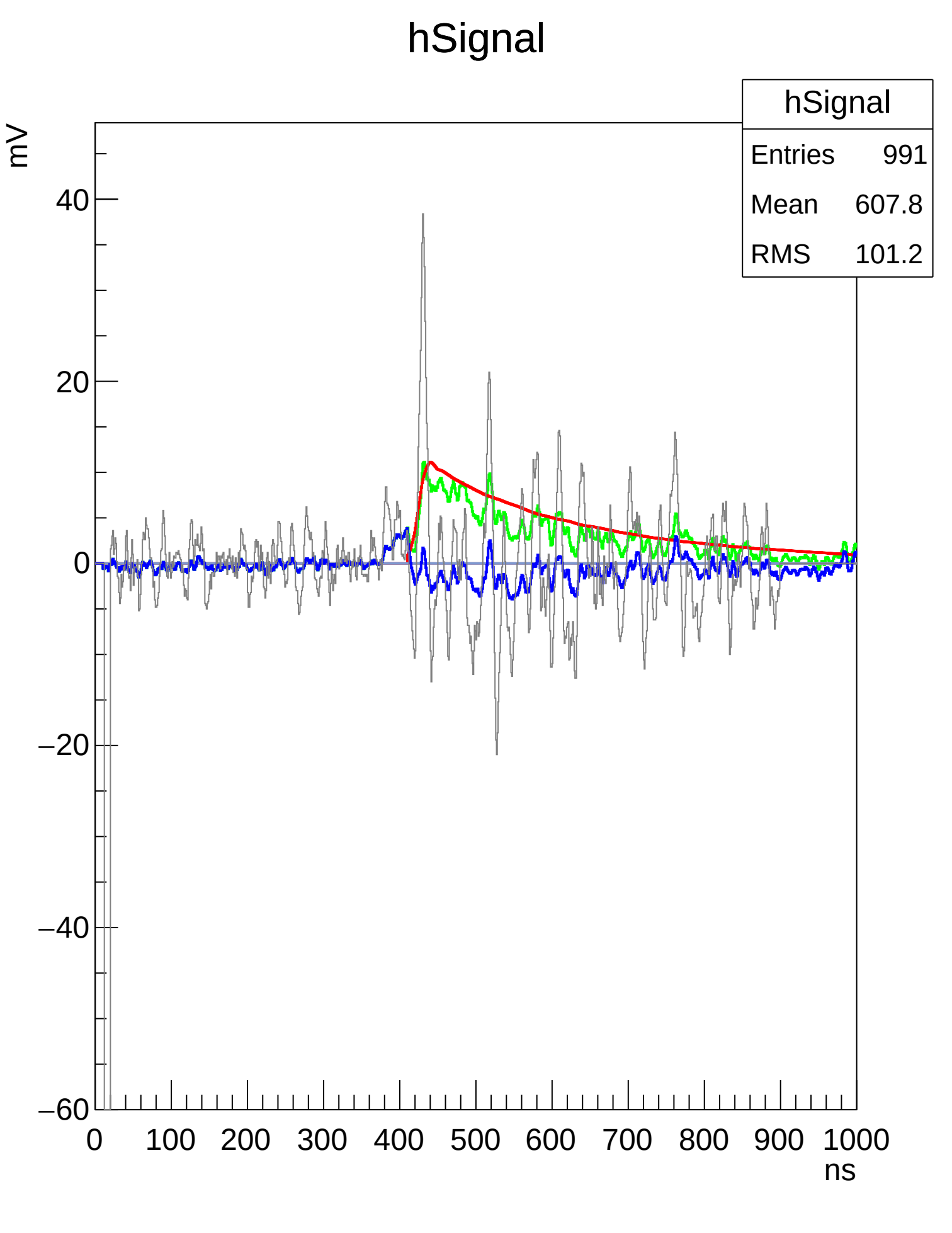
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.8
RMS 101.2
mV
40
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−20
−40
−60
0
100
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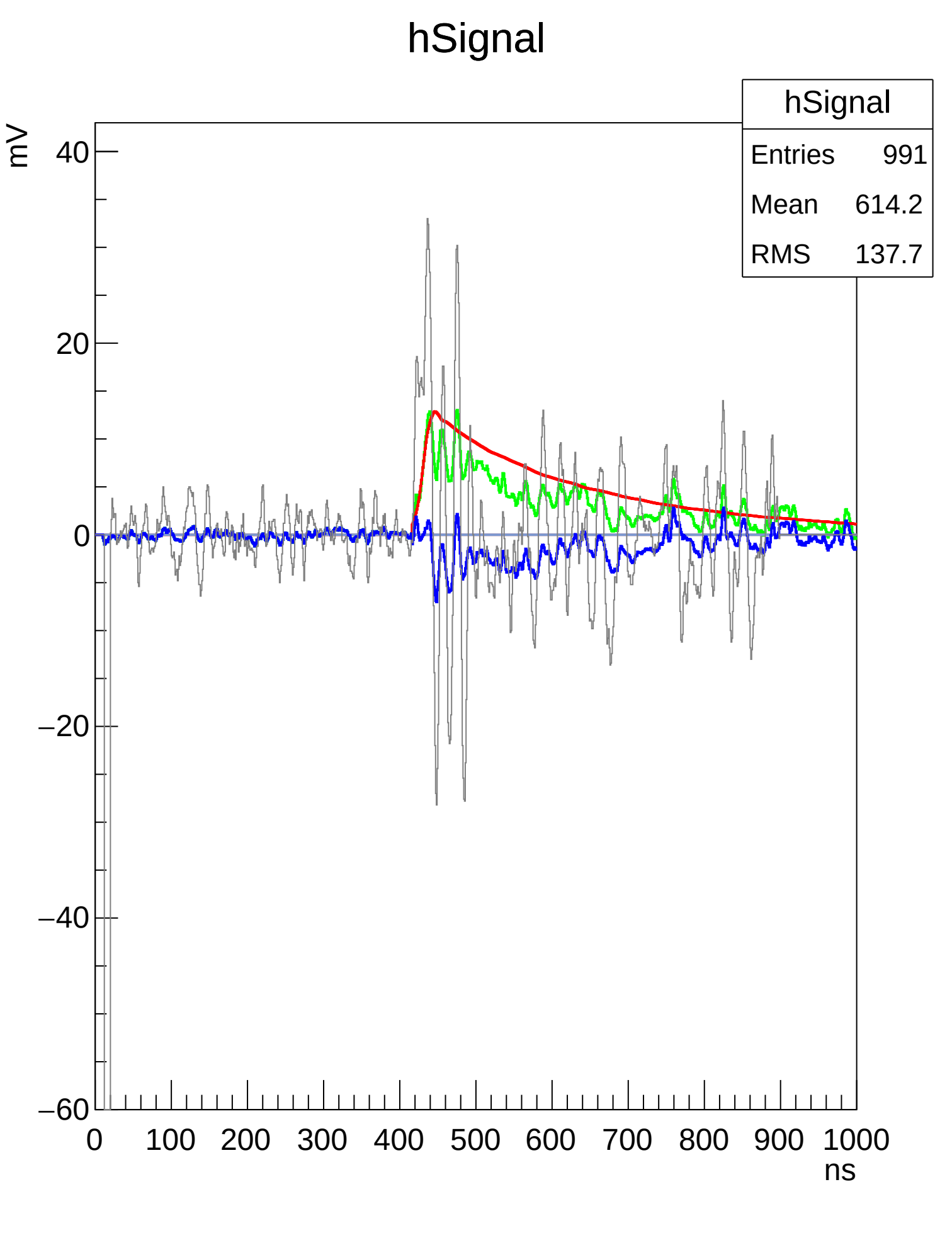
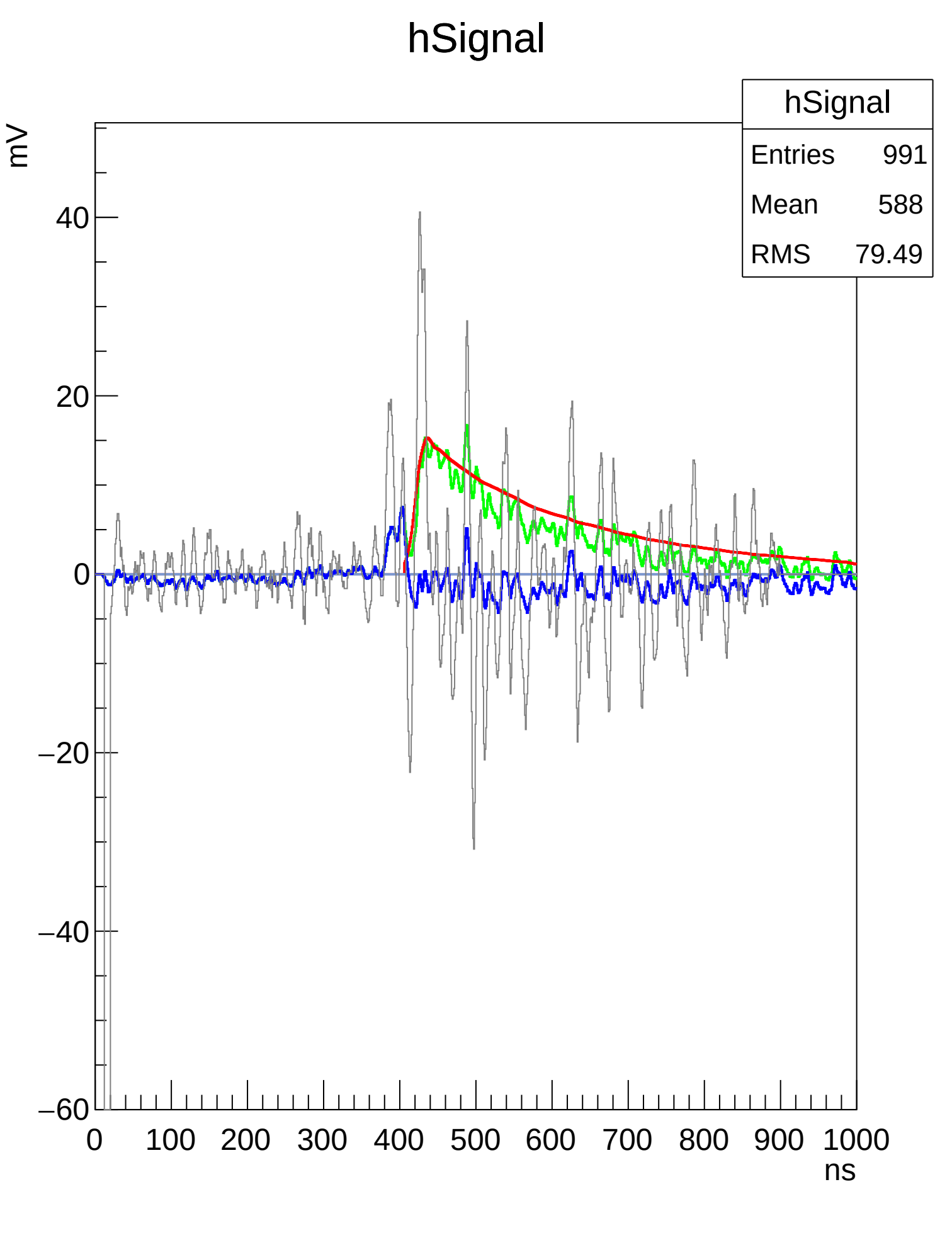
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.2
RMS 137.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 79.49
mV
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400
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1000
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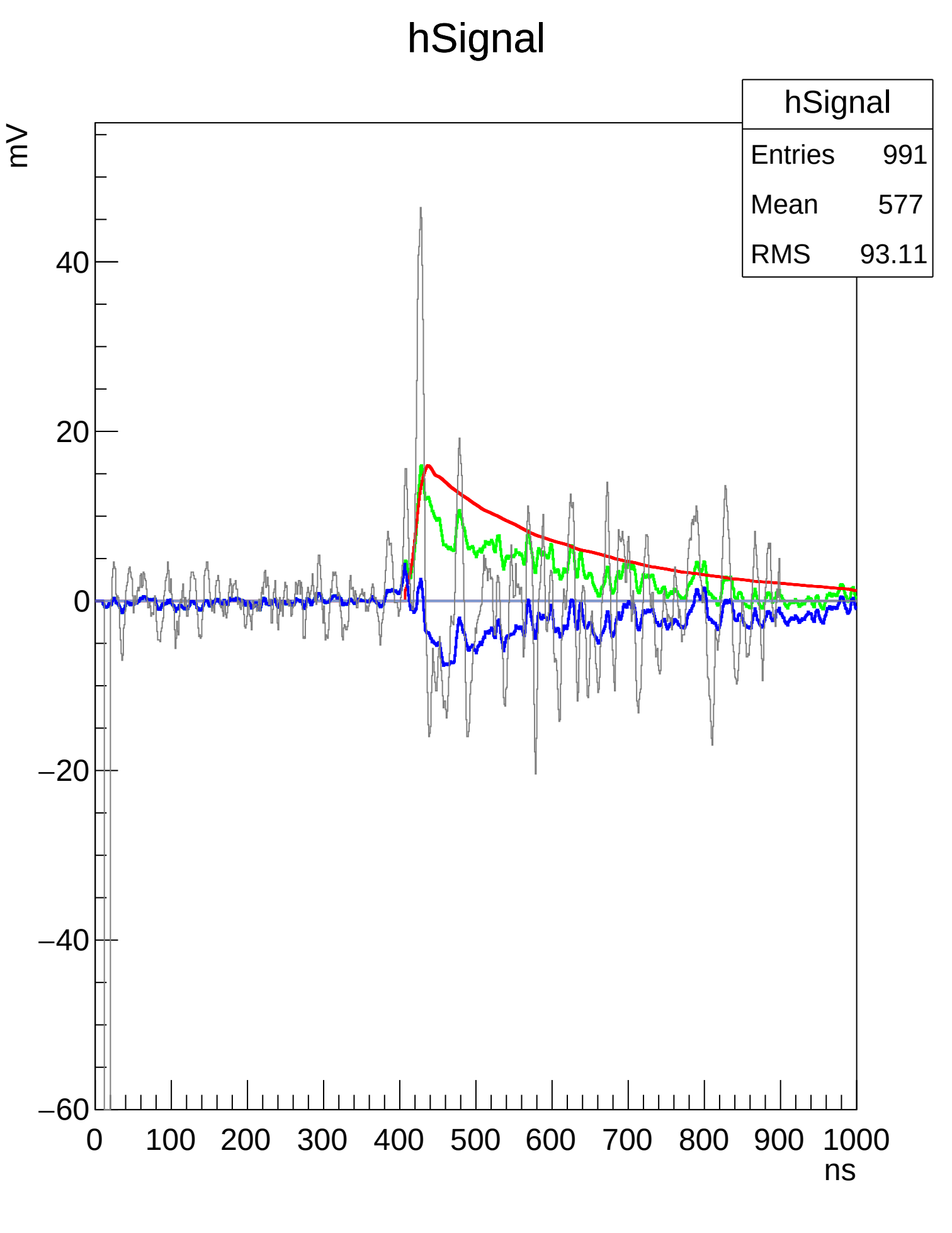
hSignal
hSignal
Entries 991
Mean 577
RMS 93.11
mV
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−20
−40
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0
100
200
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400
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800
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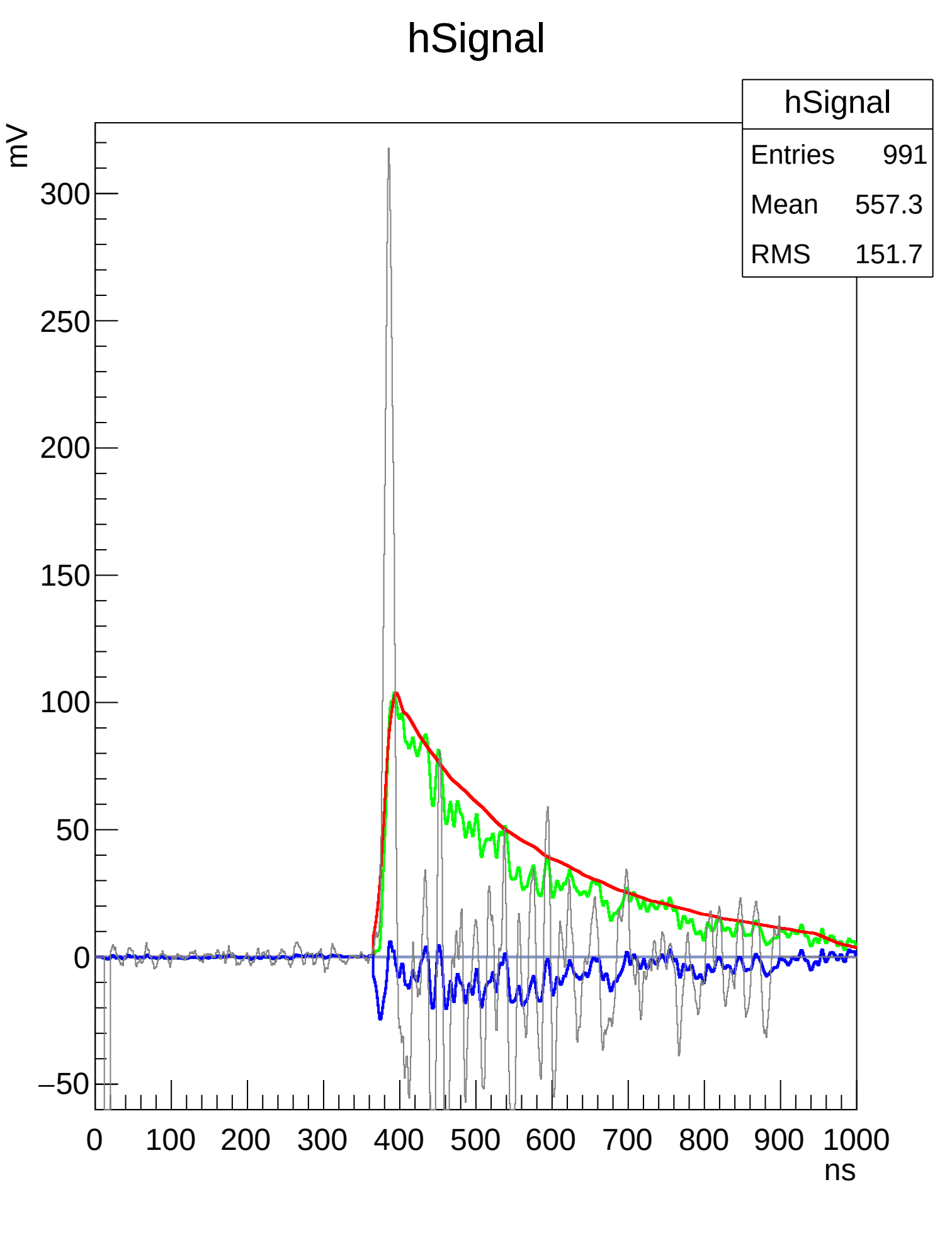
1000
ns


hSignal
hSignal
Entries 991
Mean 557.3
RMS 151.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
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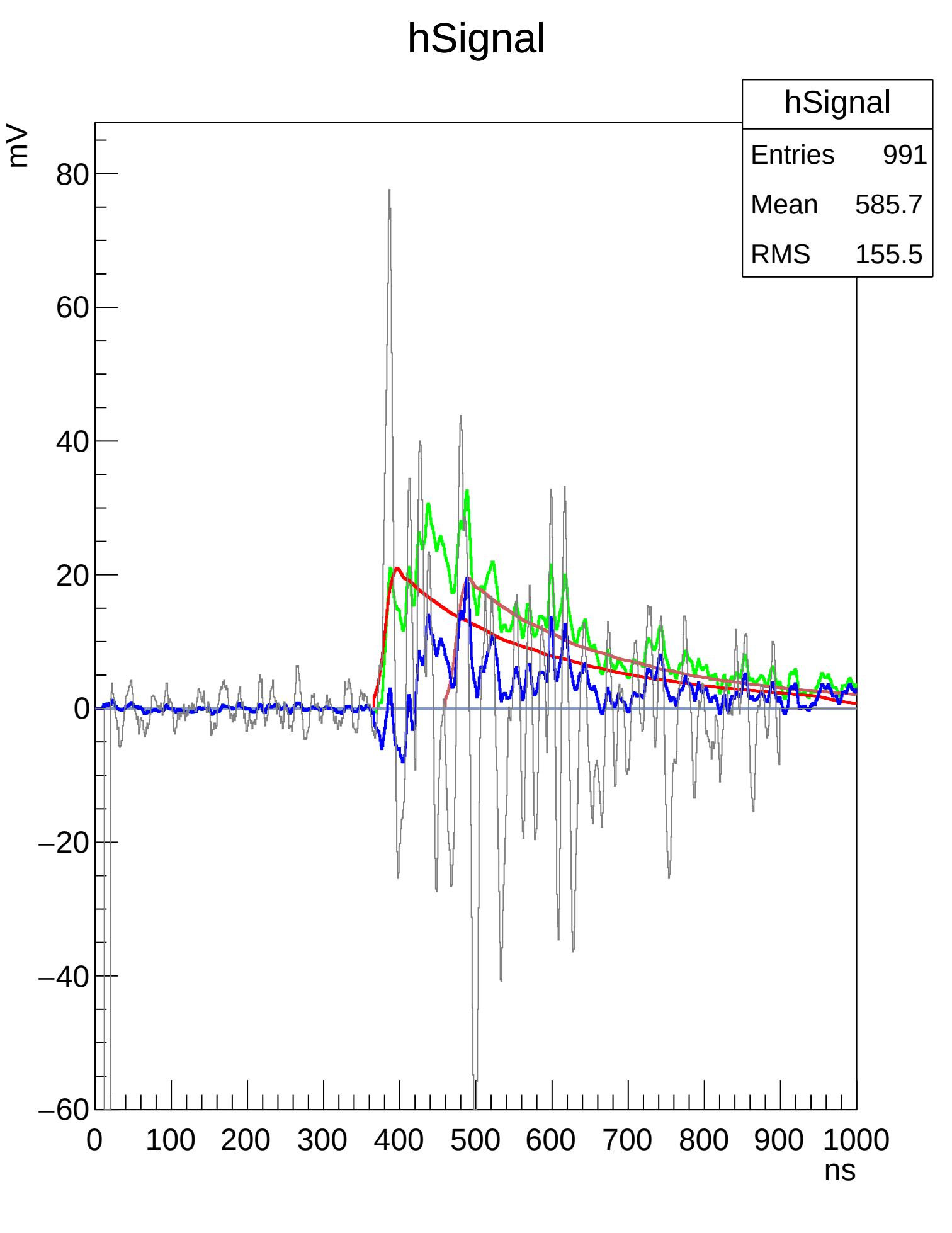
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.7
RMS 155.5
mV
80
60
40
20
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−20
−40
−60
0
100
200
300
400
500
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800
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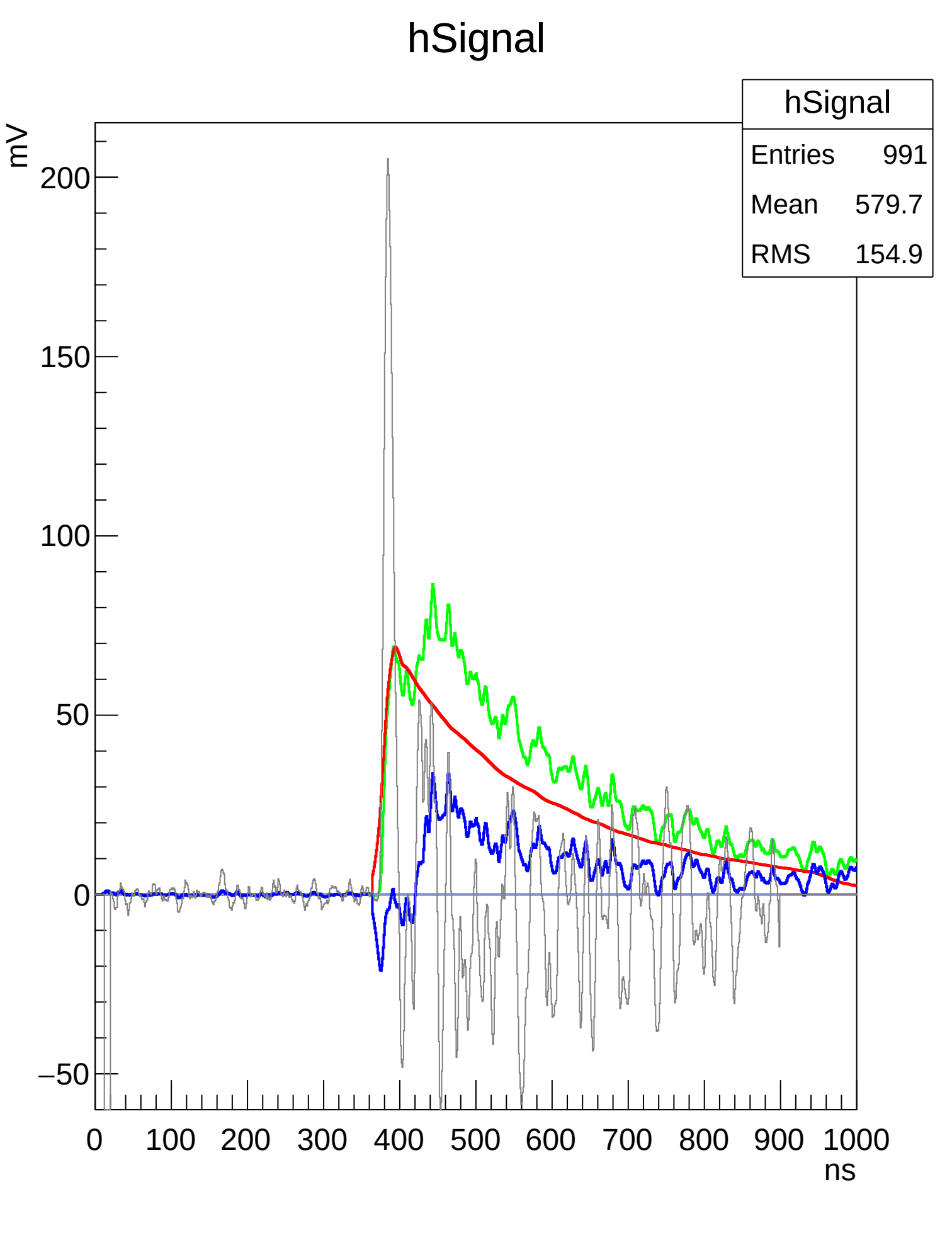
1000
ns


hSignal
hSignal
Entries 991
Mean 579.7
RMS 154.9
mV
200
150
100
50
0
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0
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200
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600
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800
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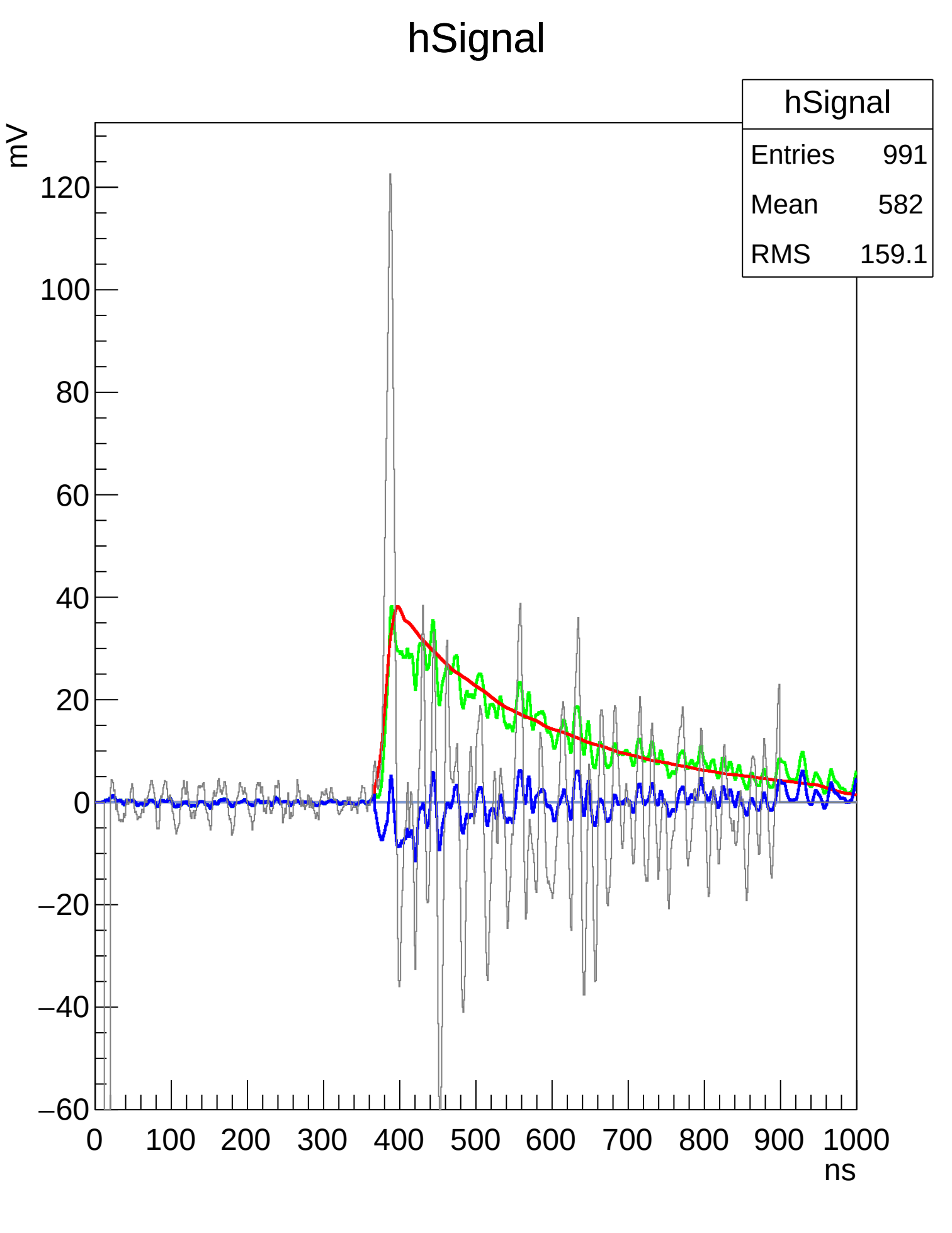
1000
ns


hSignal
hSignal
Entries 991
Mean 582
RMS 159.1
mV
120
100
80
60
40
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−20
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0
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200
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400
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800
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1000
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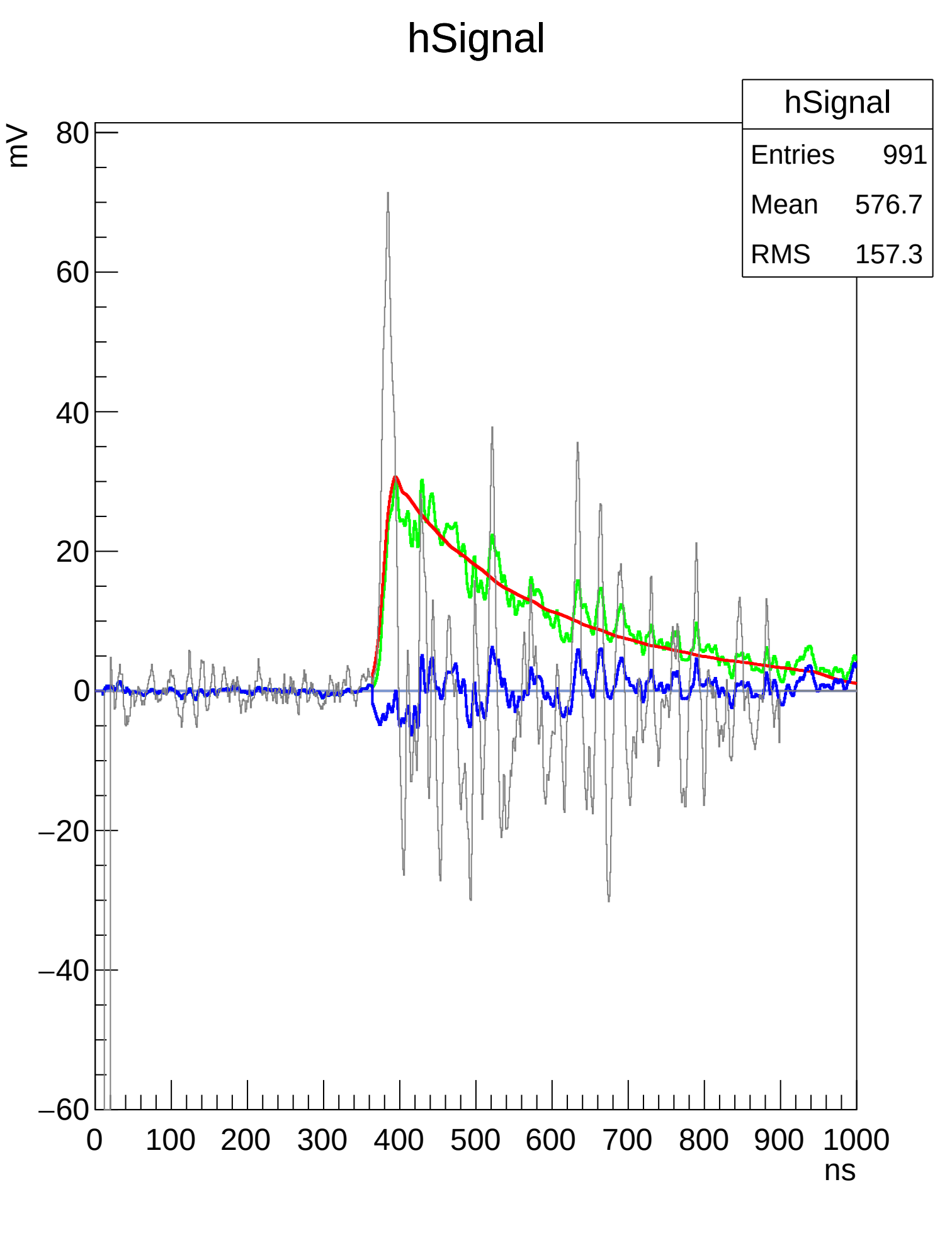
hSignal
hSignal
Entries 991
Mean 576.7
RMS 157.3
mV
80
60
40
20
0
−20
−40
−60
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100
200
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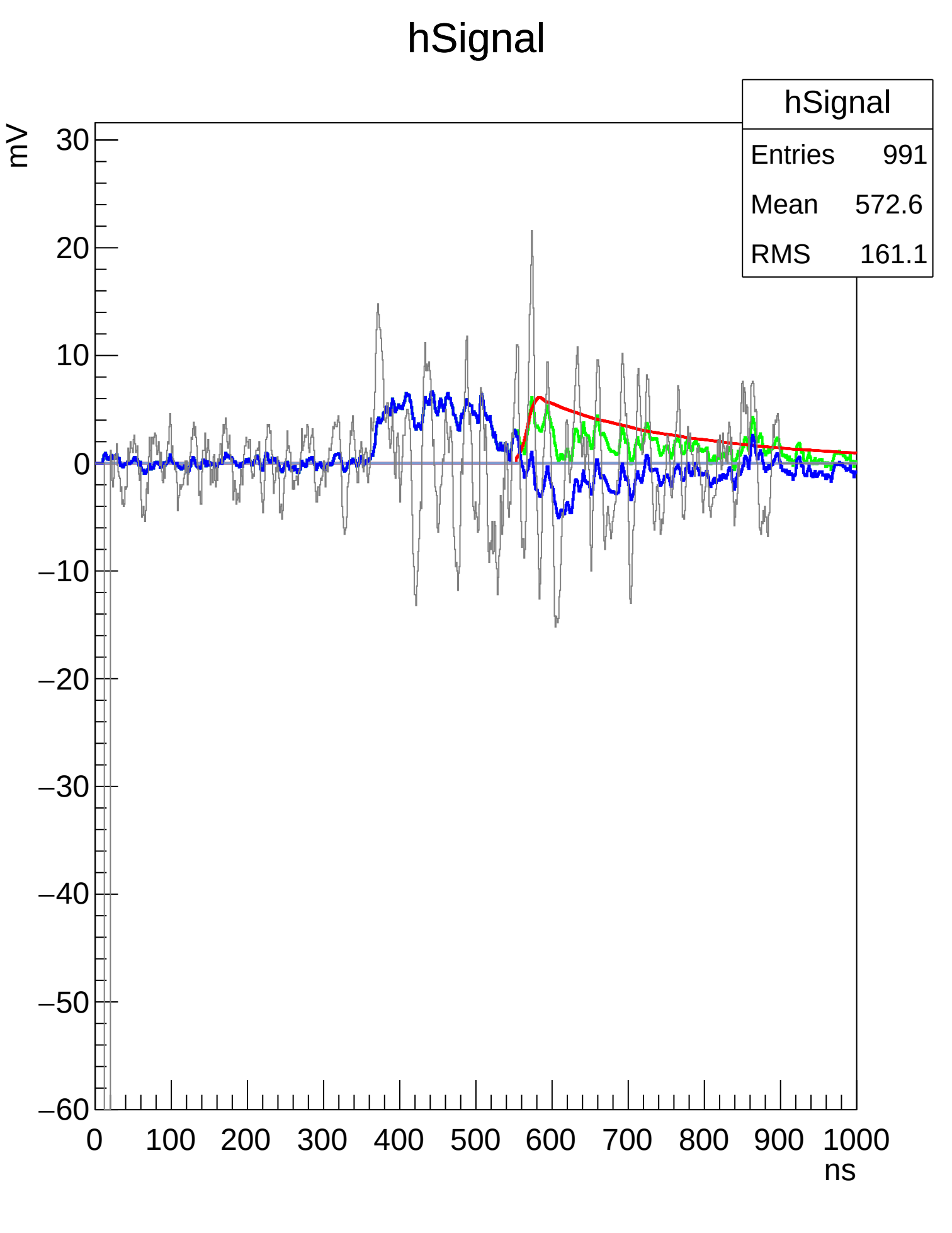
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.6
RMS 161.1
mV
30
20
10
0
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−50
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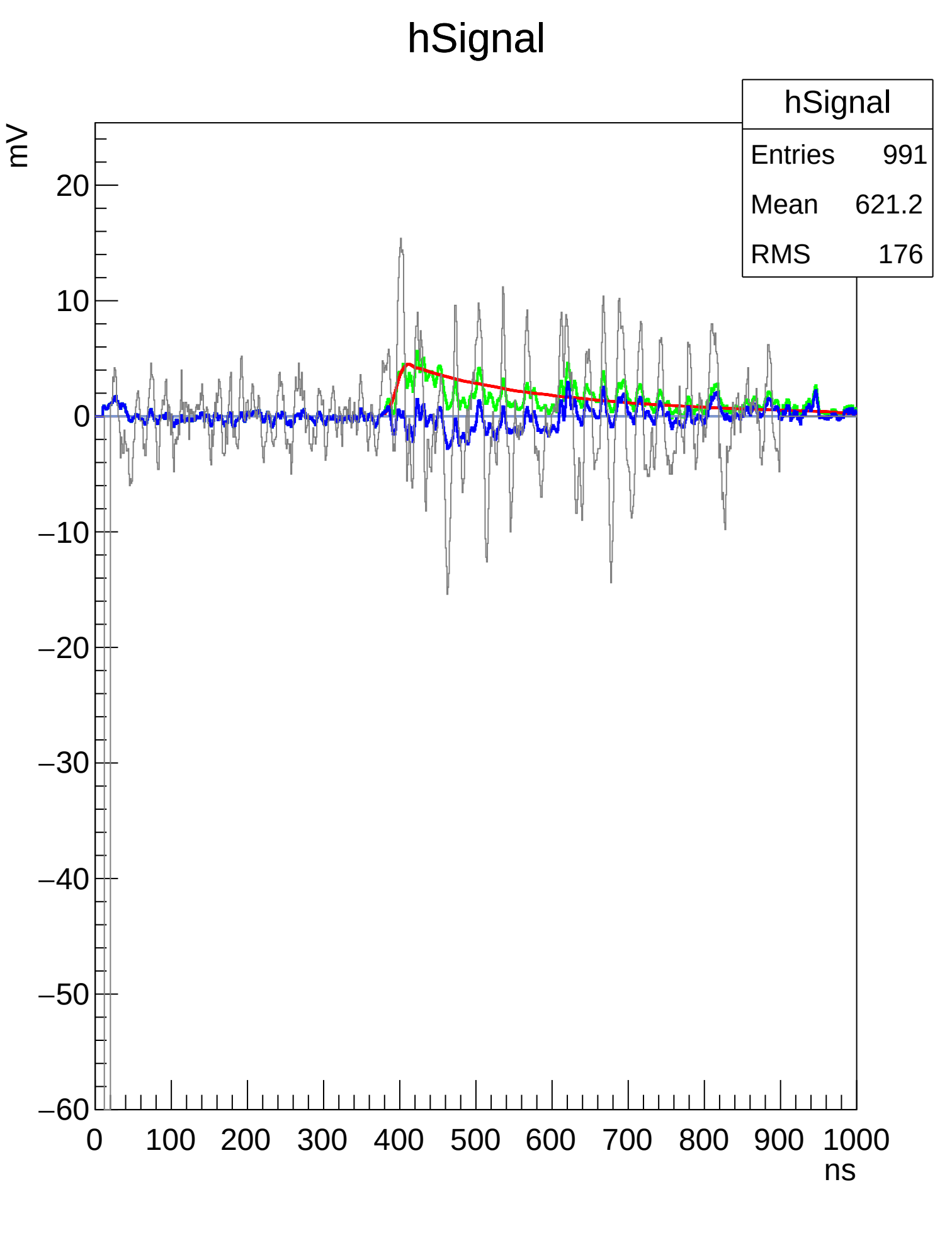
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.2
RMS 176
mV
20
10
0
−10
−20
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−40
−50
−60
0
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200
300
400
500
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700
800
900
1000
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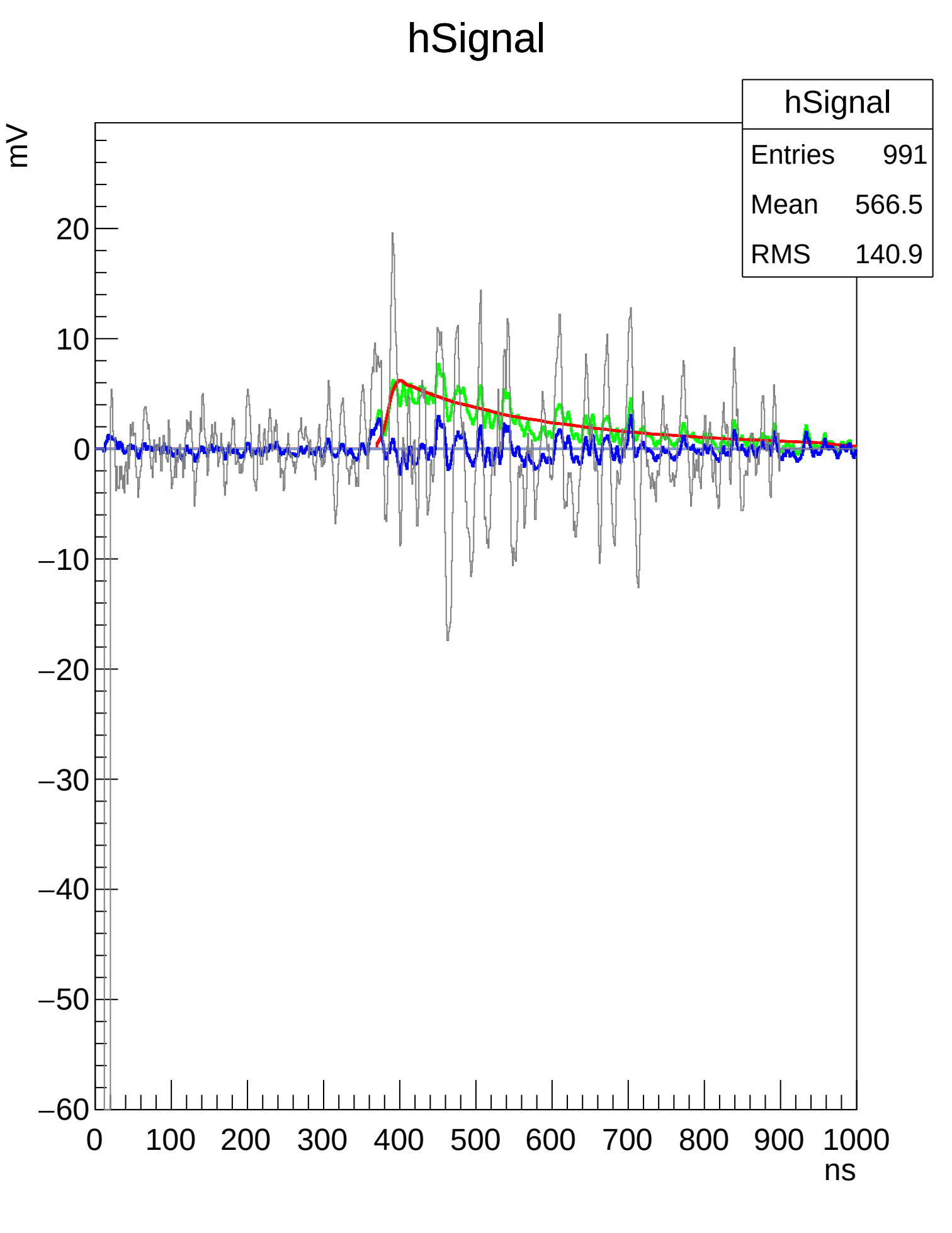
hSignal
hSignal
Entries 991
Mean 566.5
RMS 140.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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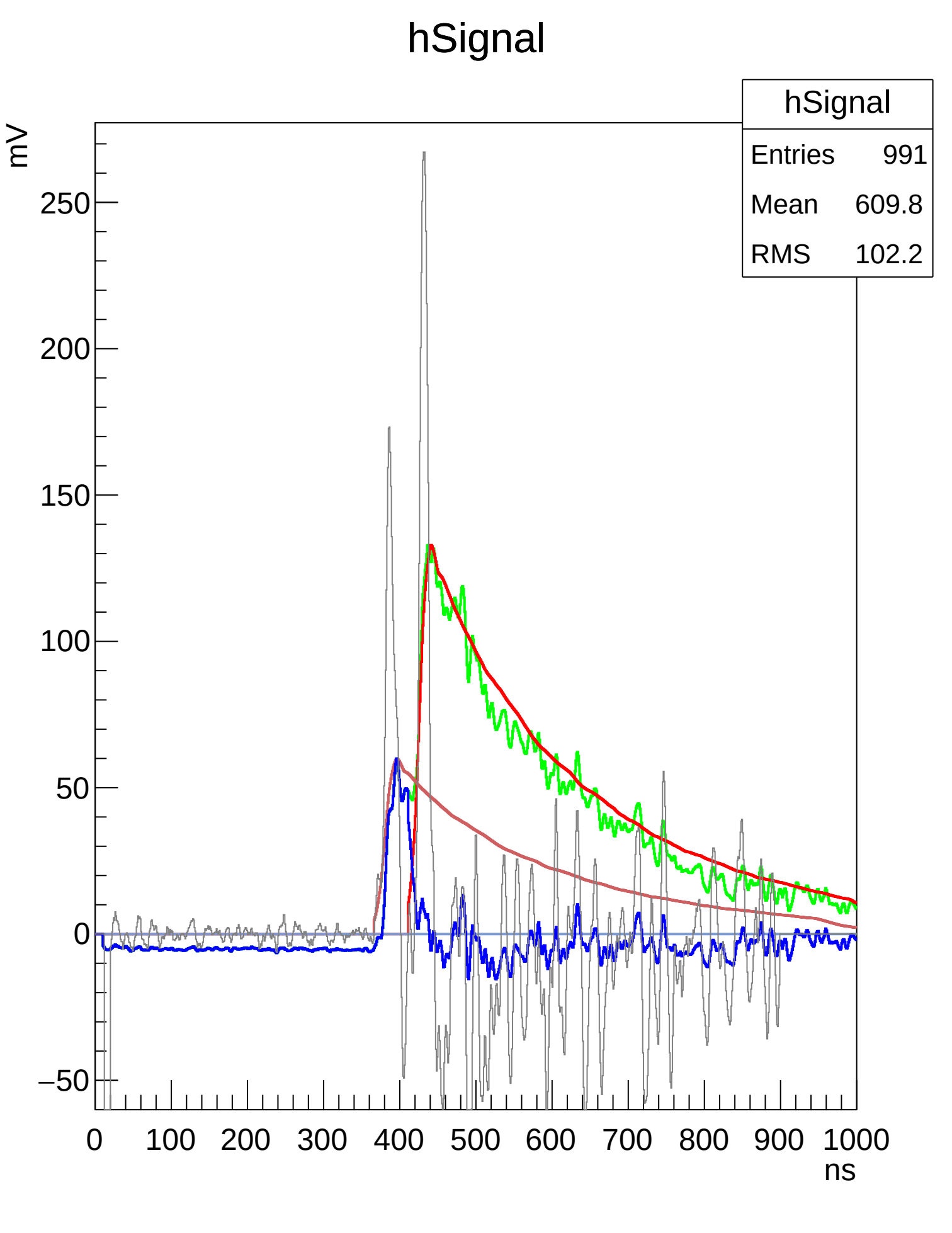
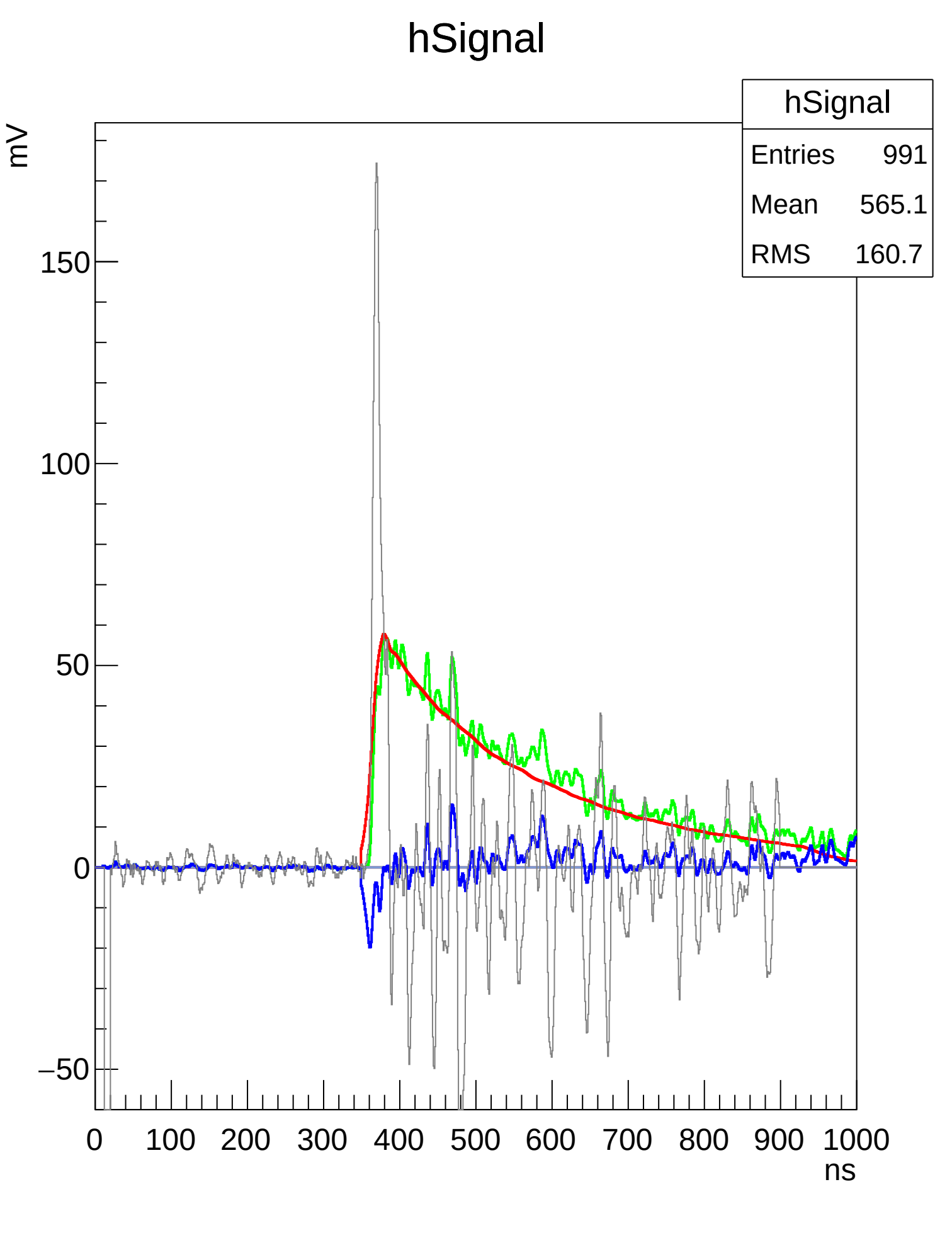
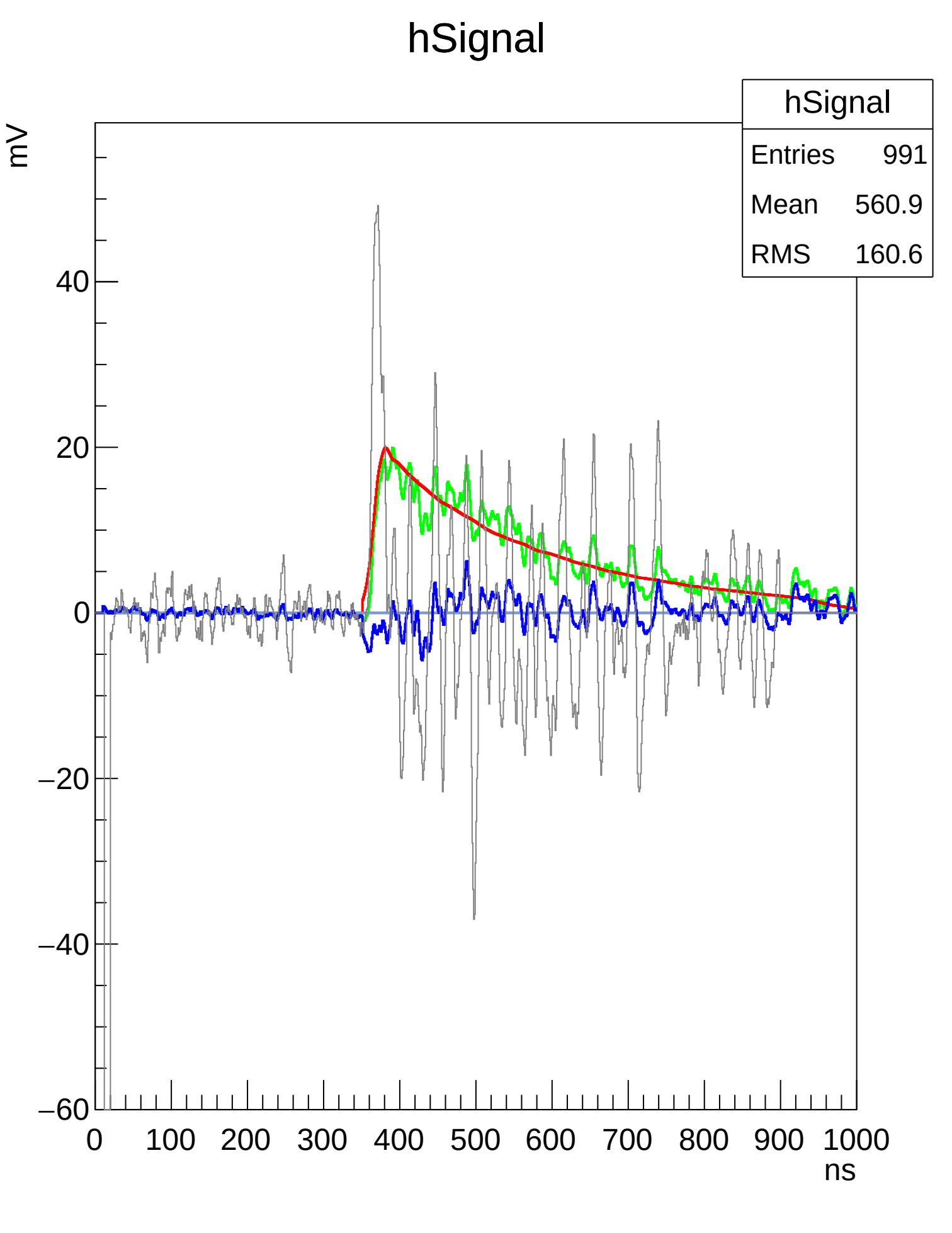
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.8
RMS 102.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.1
RMS 160.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.9
RMS 160.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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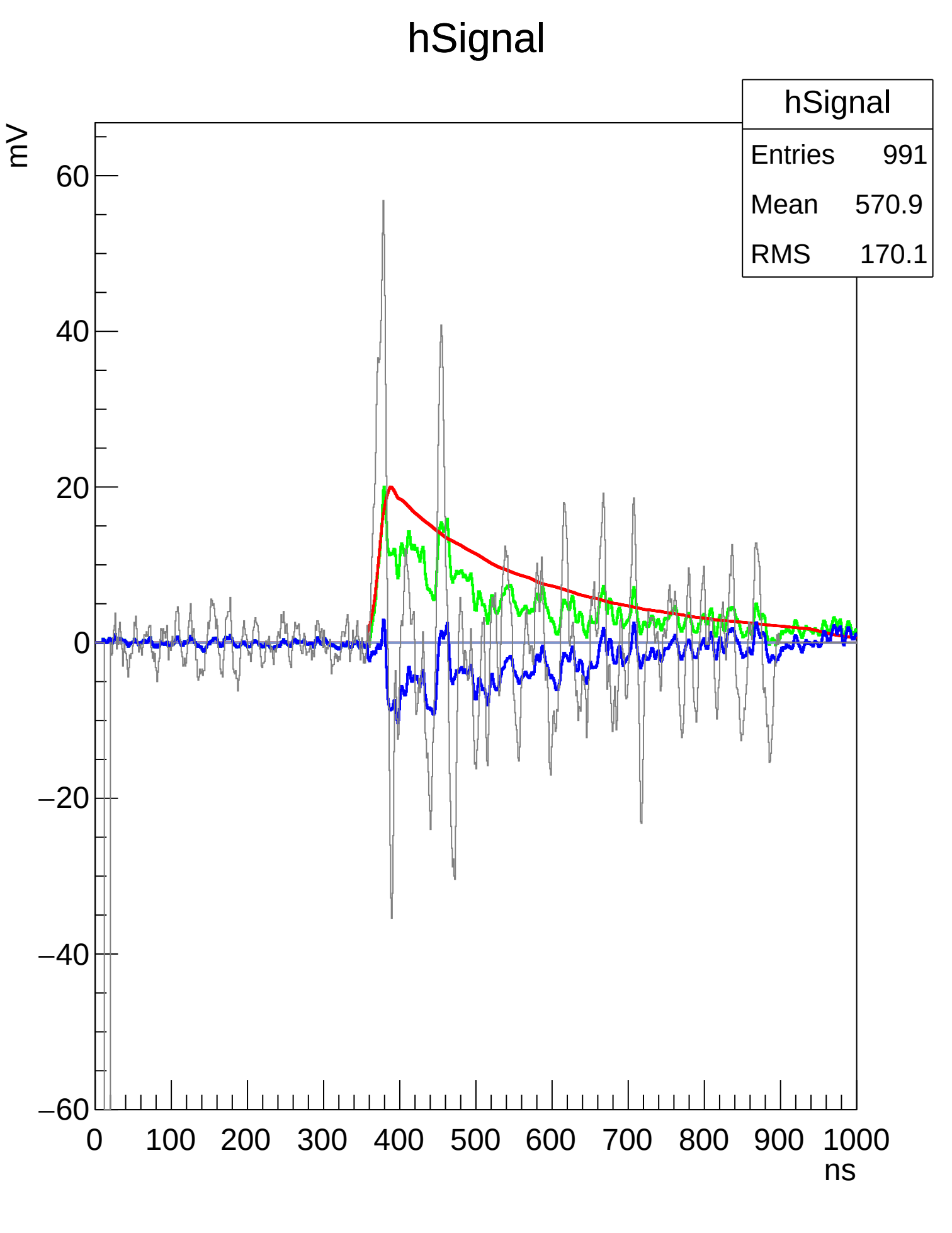
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.9
RMS 170.1
mV
60
40
20
0
−20
−40
−60
0
100
200
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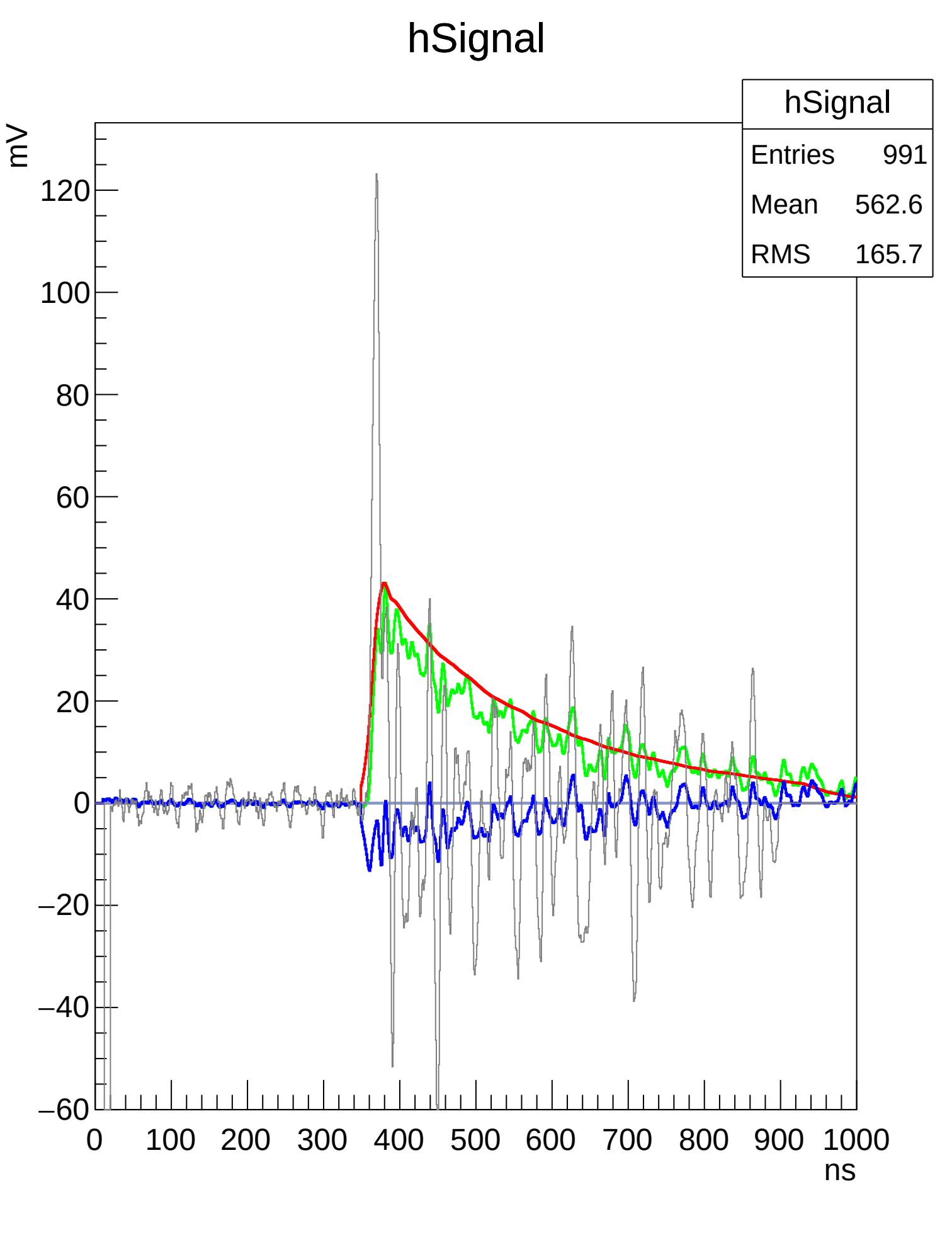
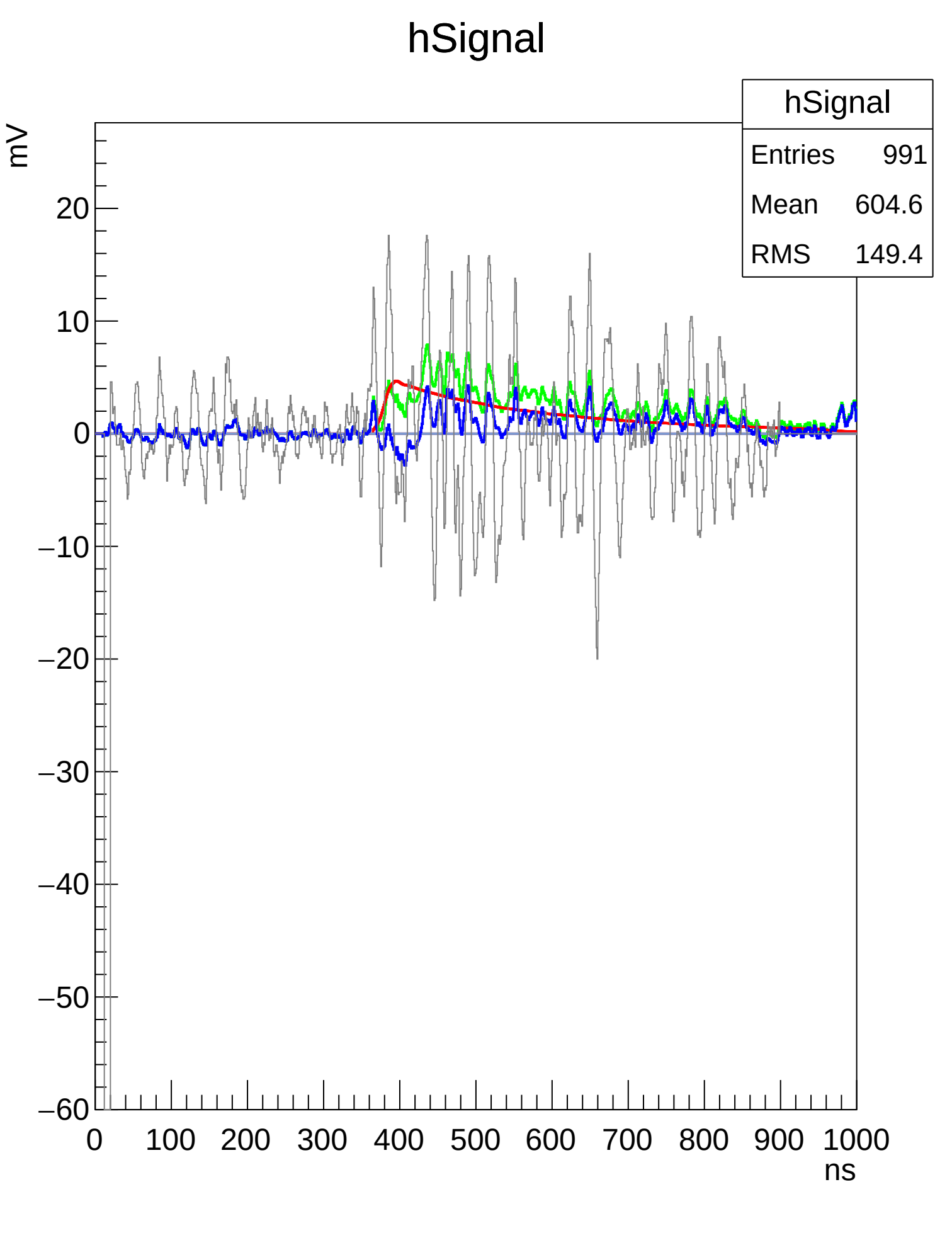
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.6
RMS 165.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.6
RMS 149.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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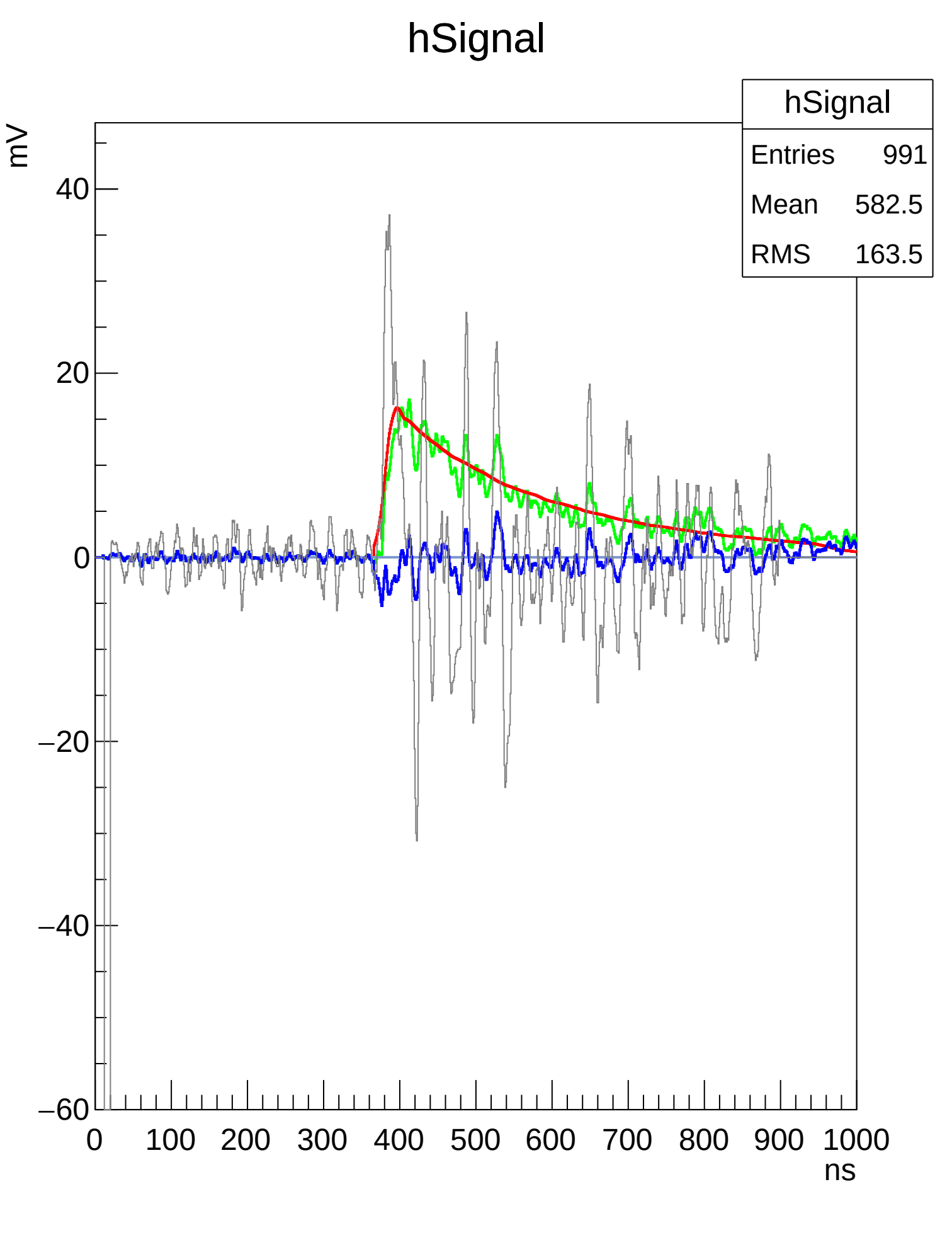
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.5
RMS 163.5
mV
40
20
0
−20
−40
−60
0
100
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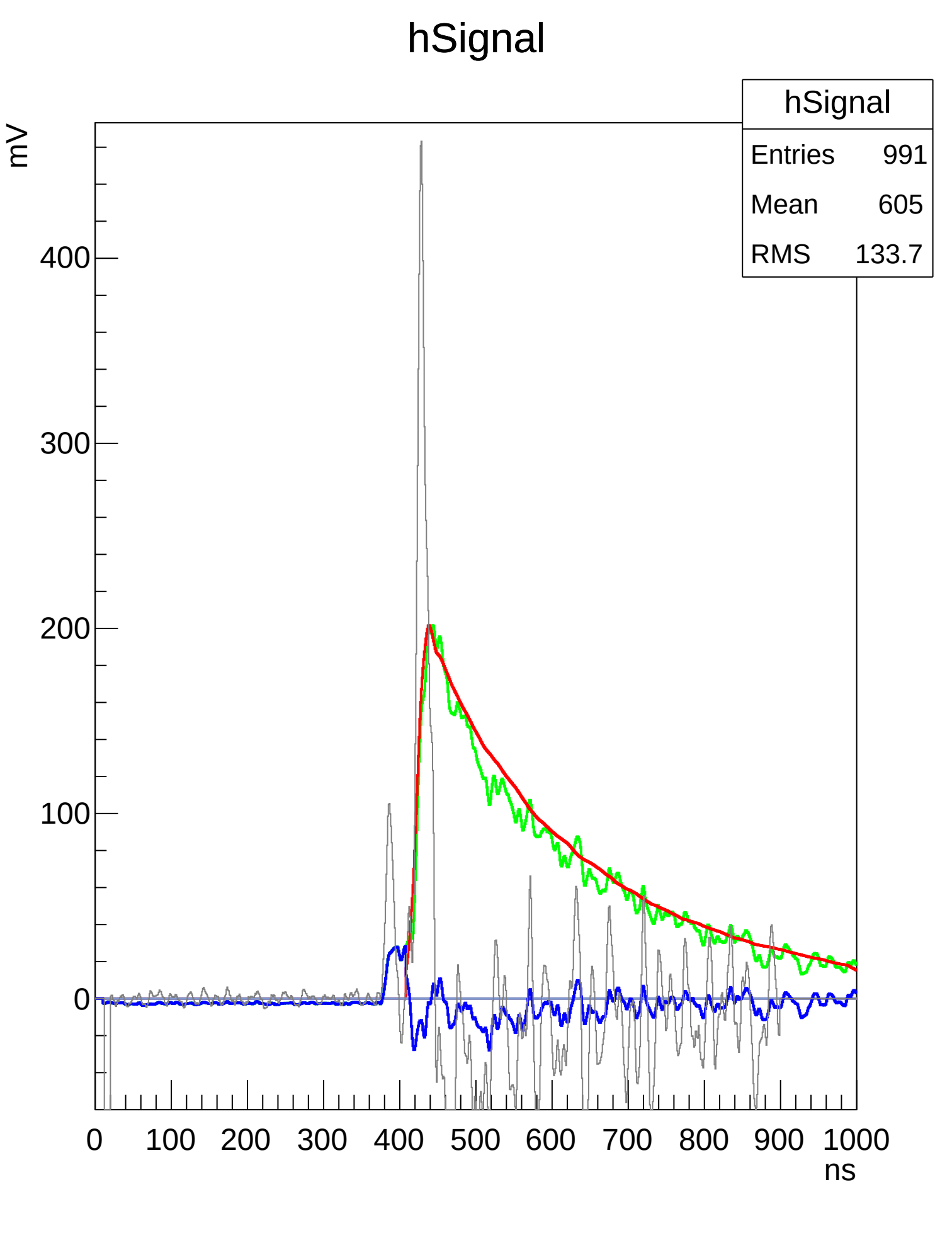
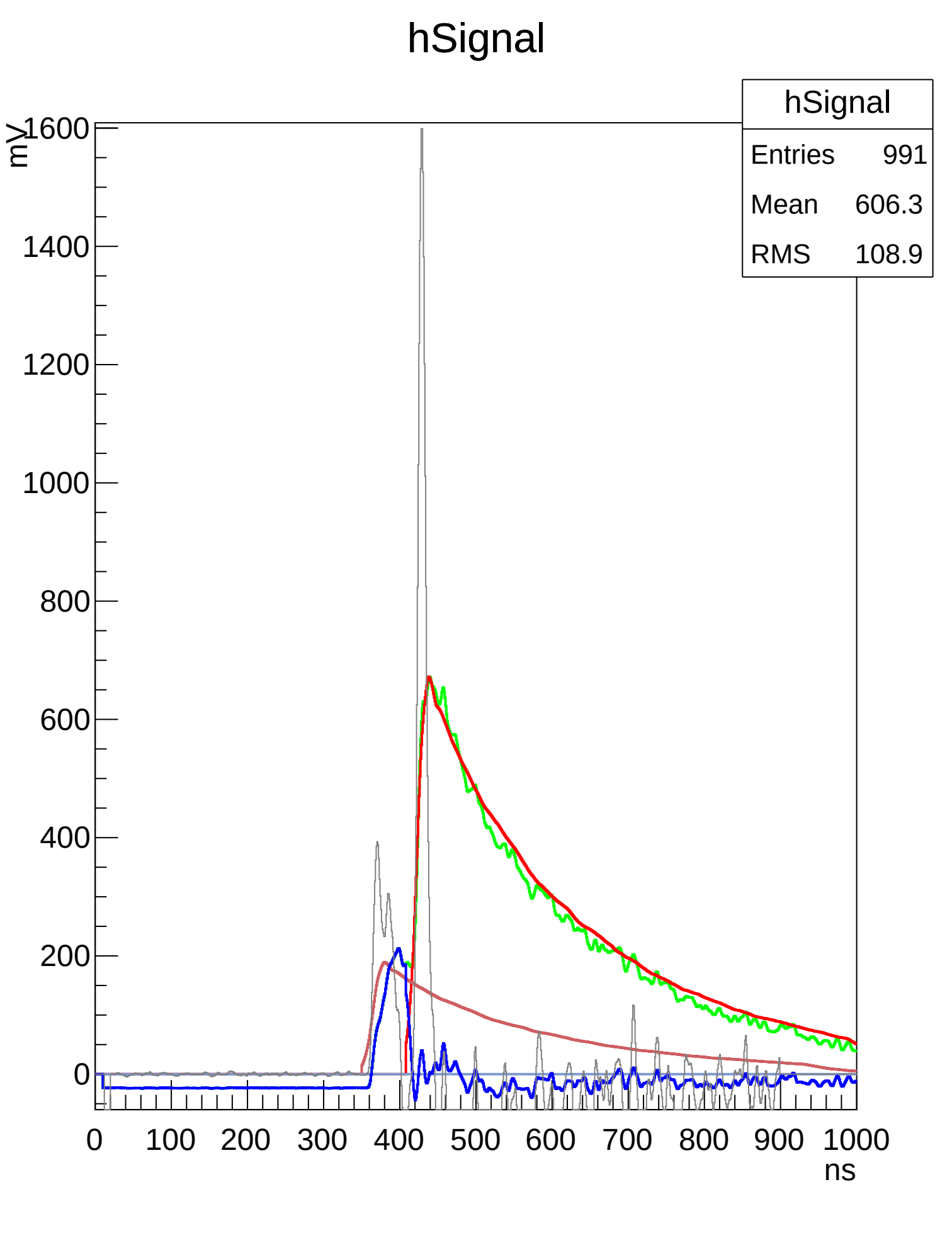
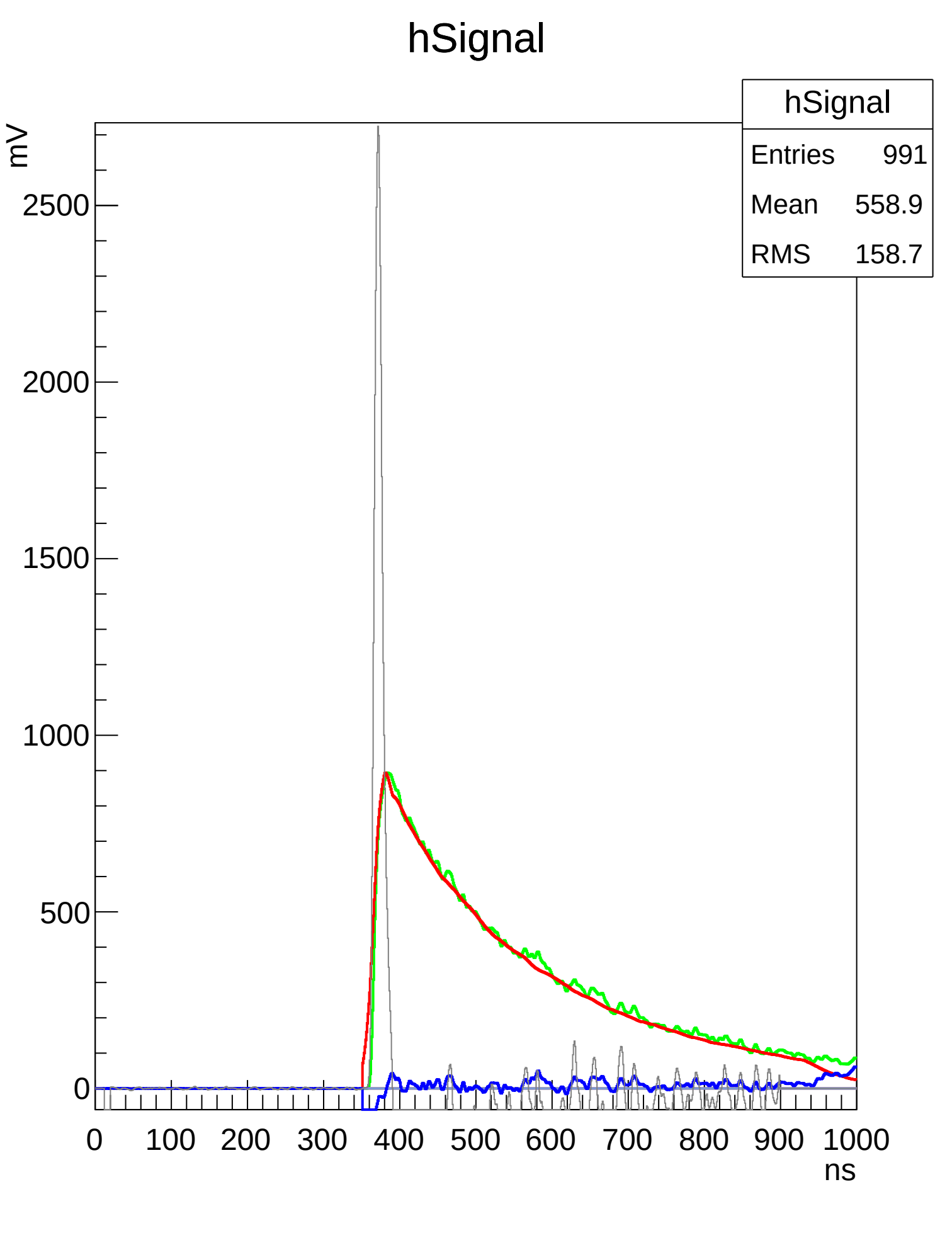
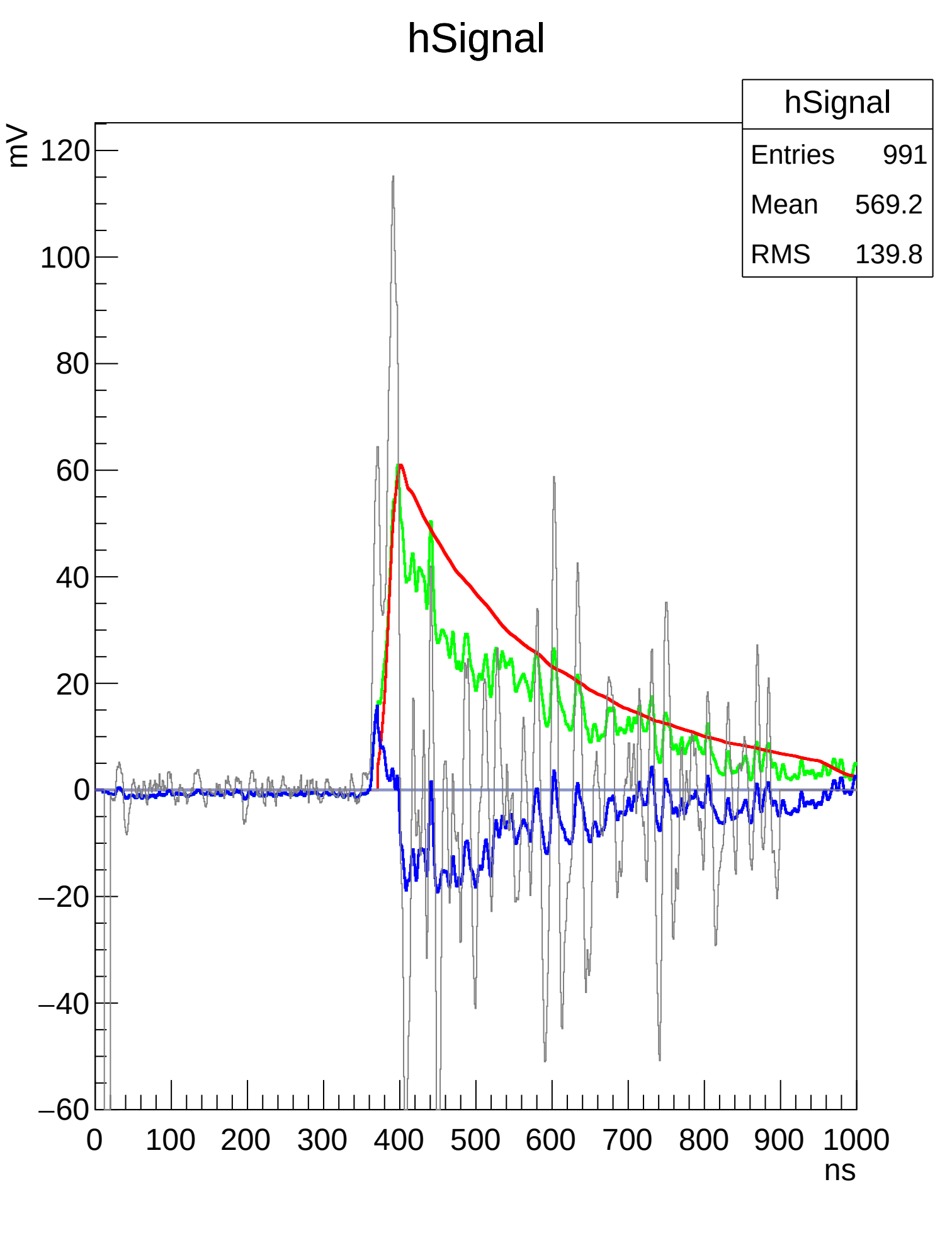
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605
RMS 133.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.3
RMS 108.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.9
RMS 158.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 569.2
RMS 139.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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1000
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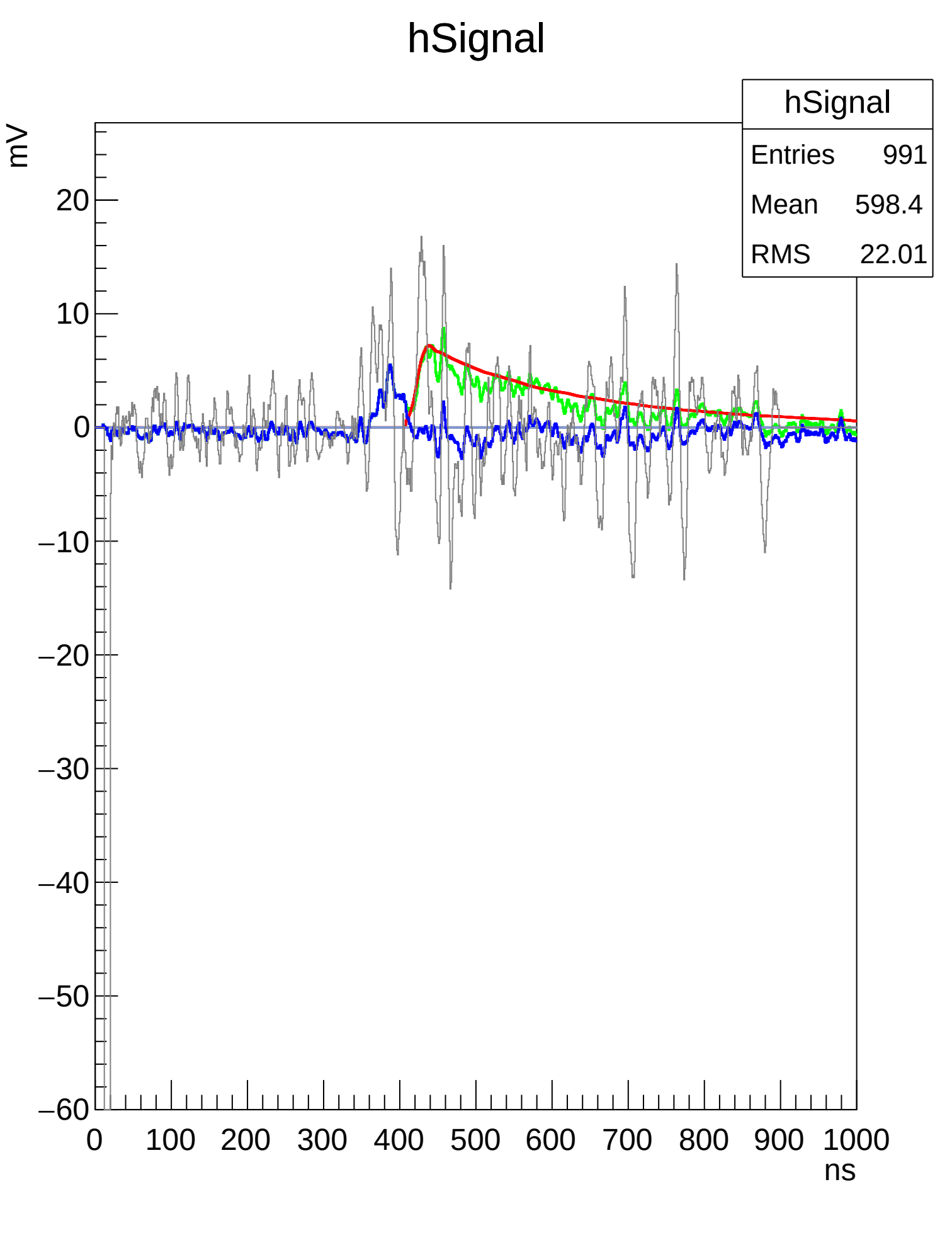
hSignal
hSignal
Entries 991
Mean 598.4
RMS 22.01
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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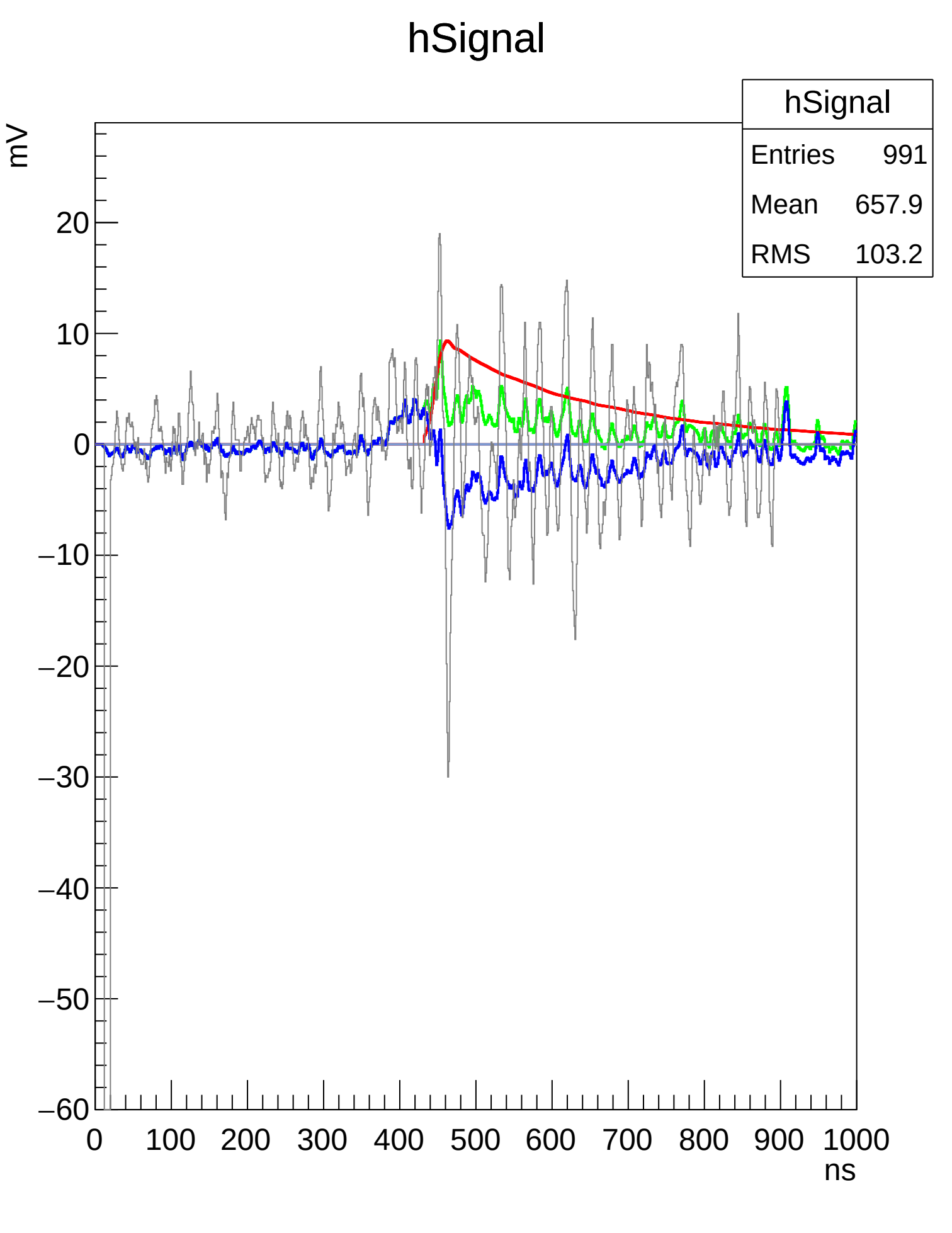
hSignal
hSignal
Entries 991
Mean 657.9
RMS 103.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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800
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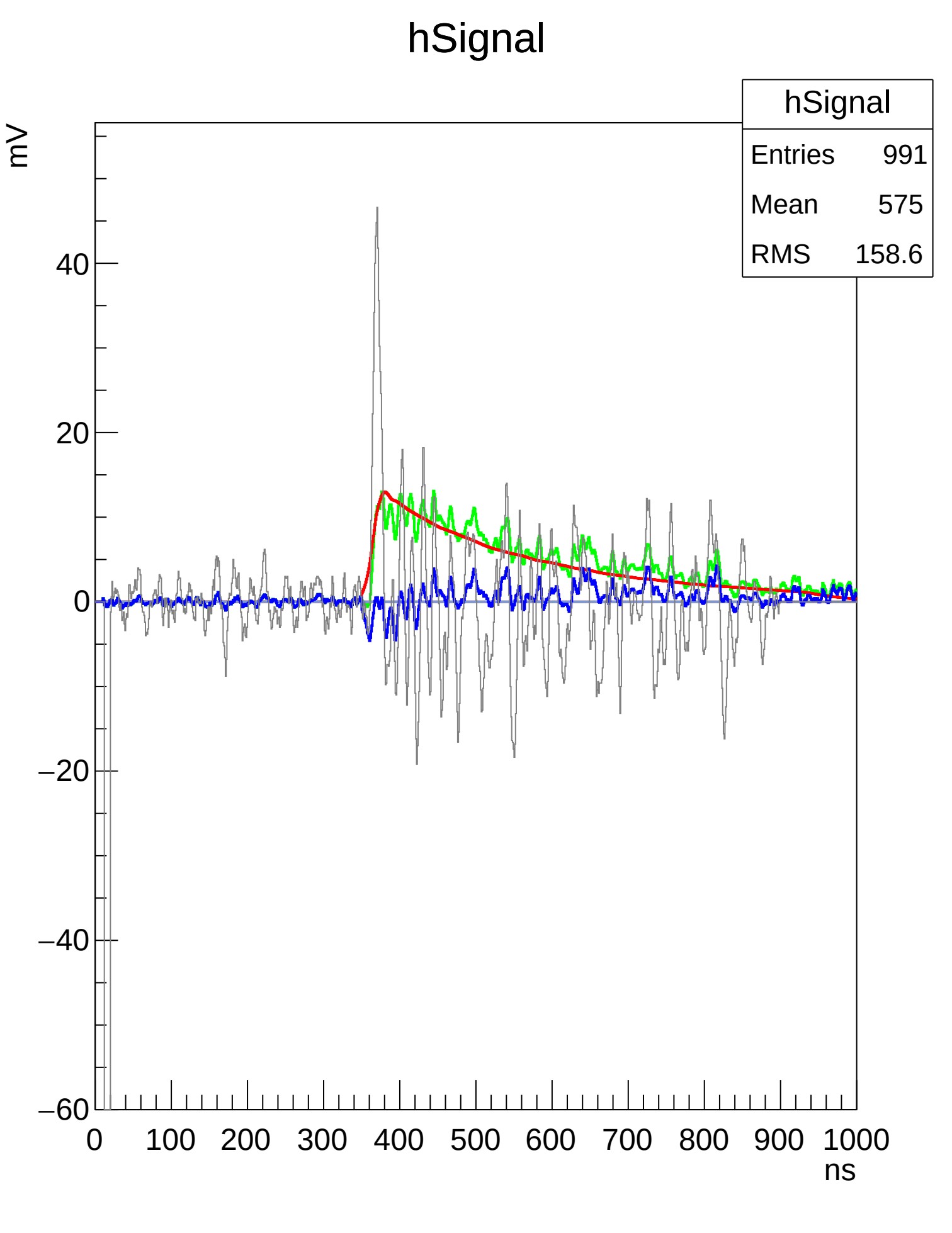
1000
ns


hSignal
hSignal
Entries 991
Mean 575
RMS 158.6
mV
40
20
0
−20
−40
−60
0
100
200
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600
700
800
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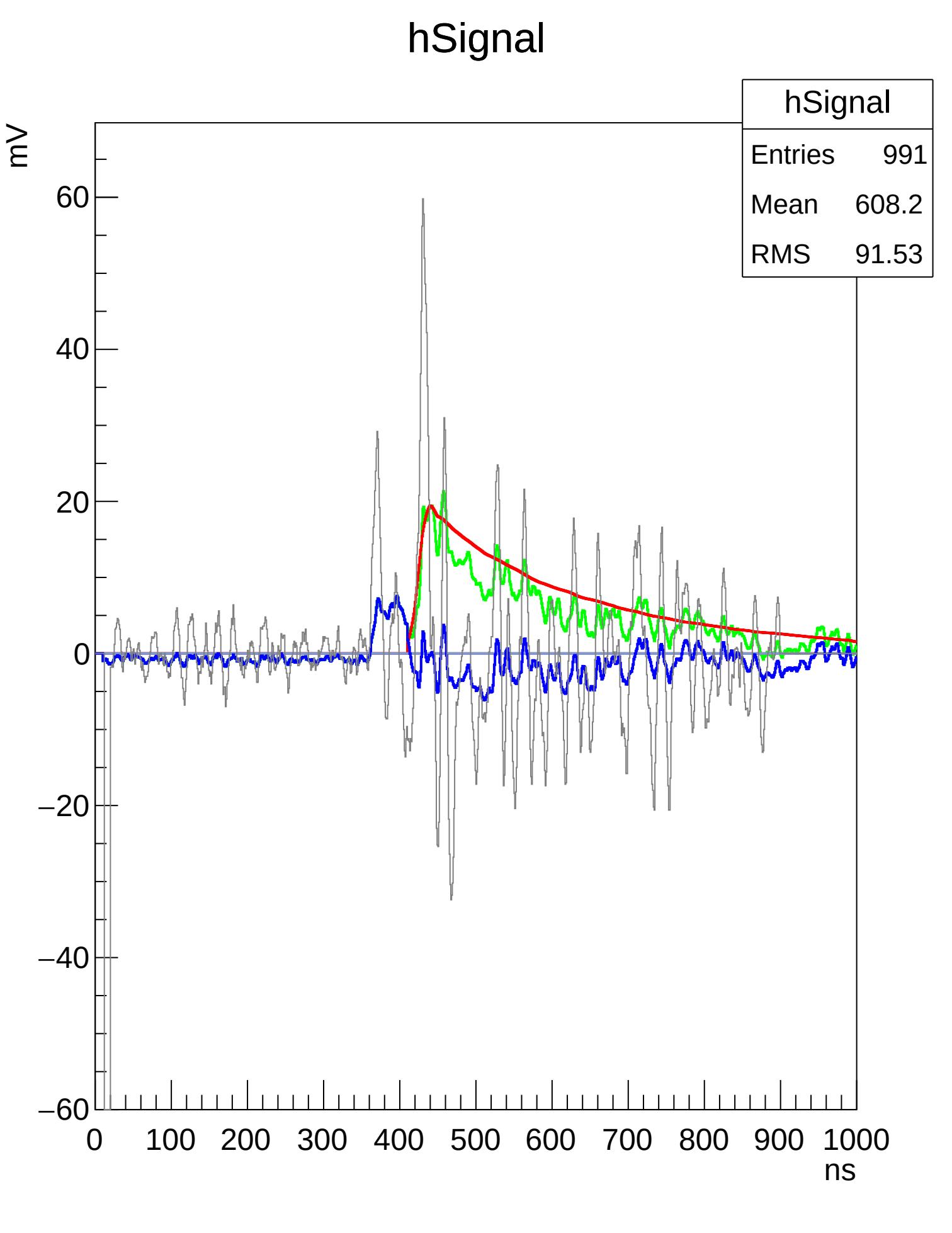
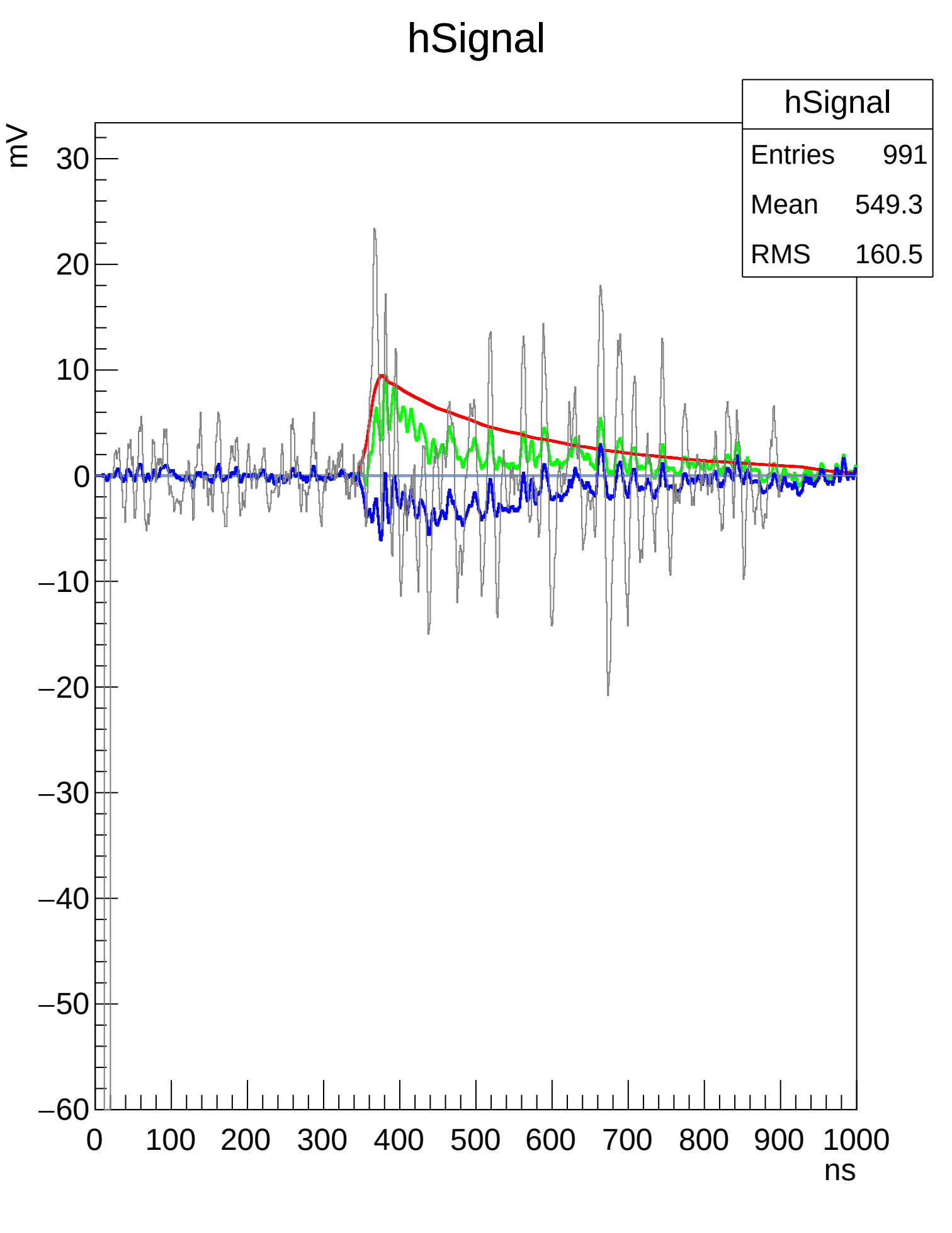
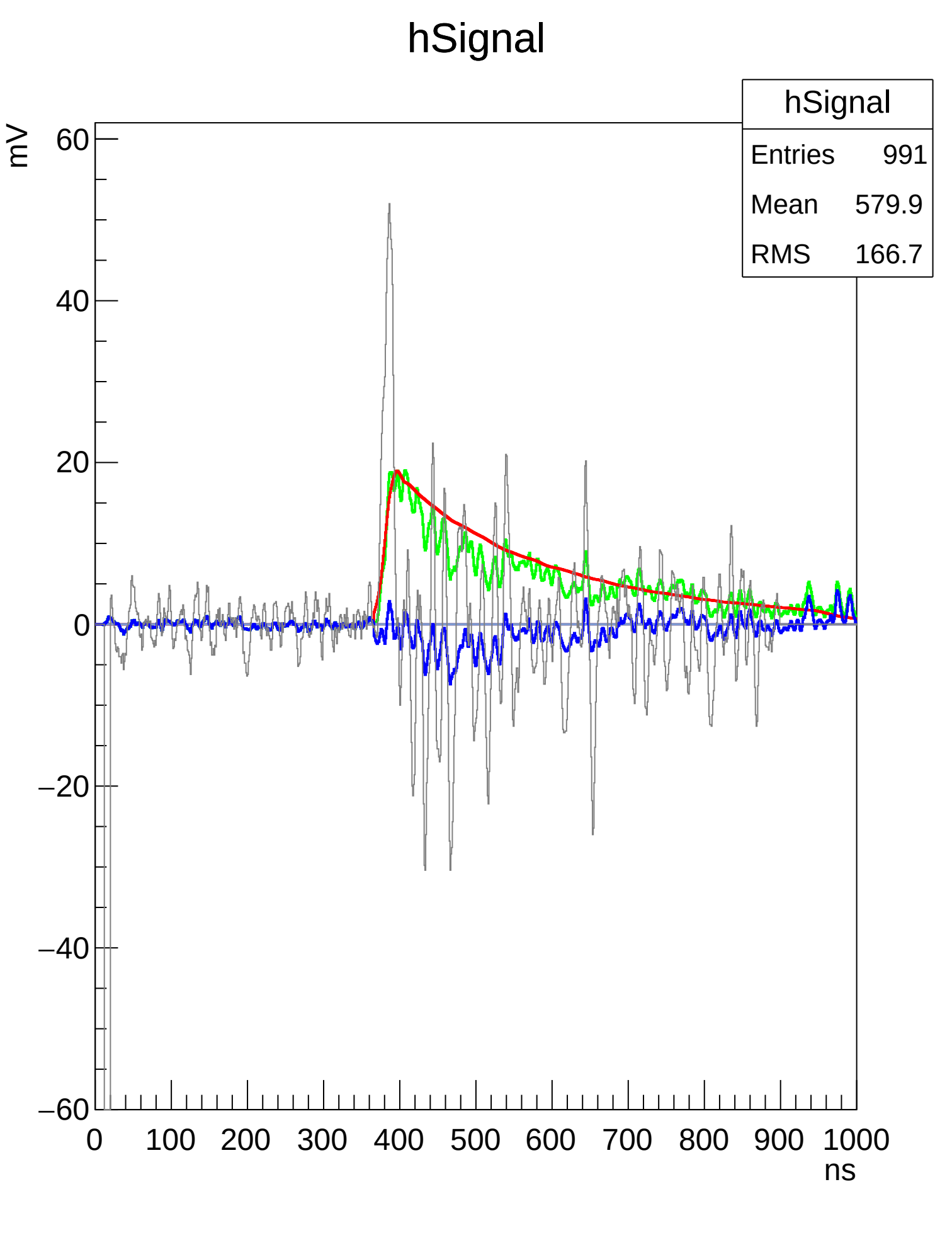
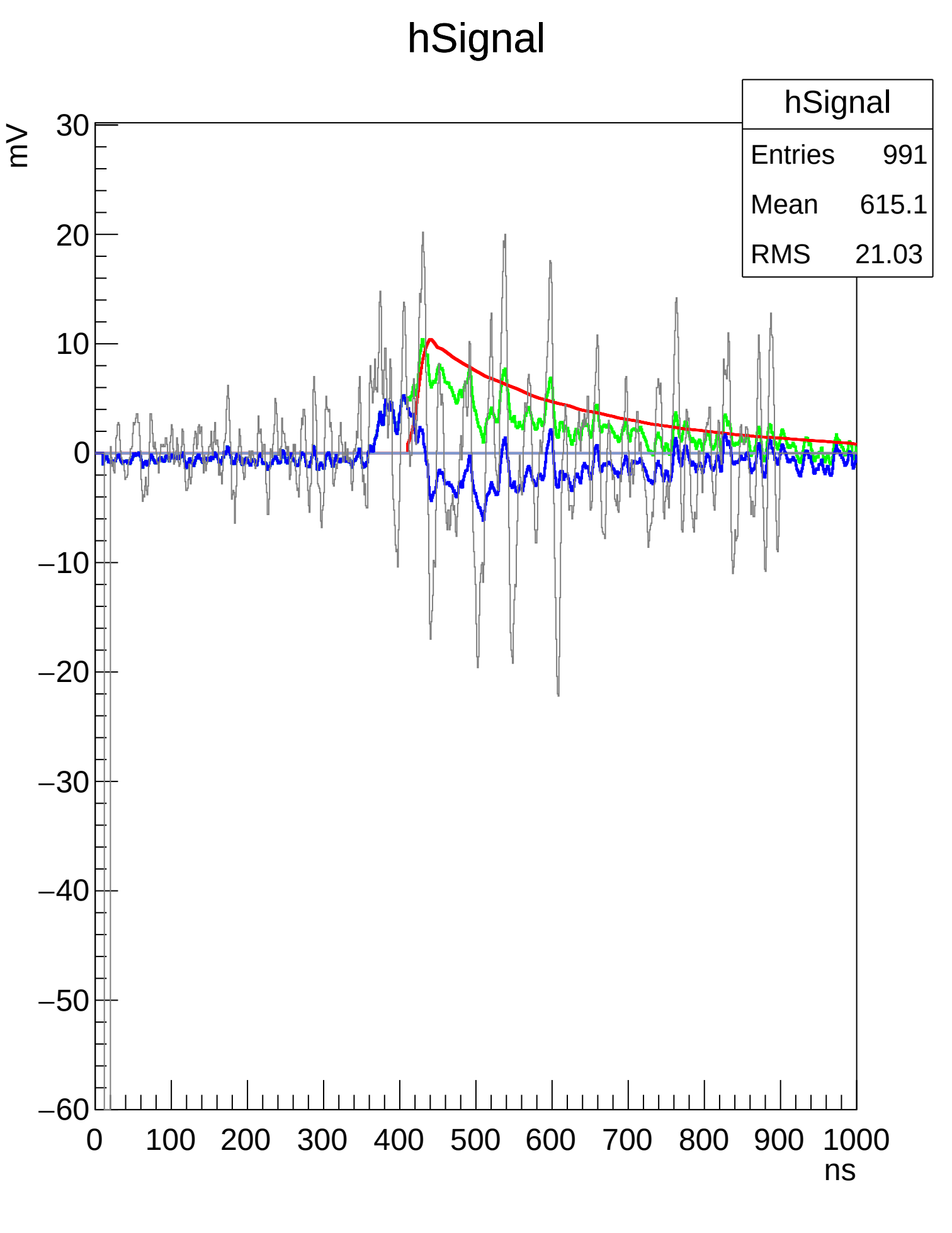
1000
ns


hSignal
hSignal
Entries 991
Mean 608.2
RMS 91.53
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.3
RMS 160.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.9
RMS 166.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.1
RMS 21.03
mV
30
20
10
0
−10
−20
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−40
−50
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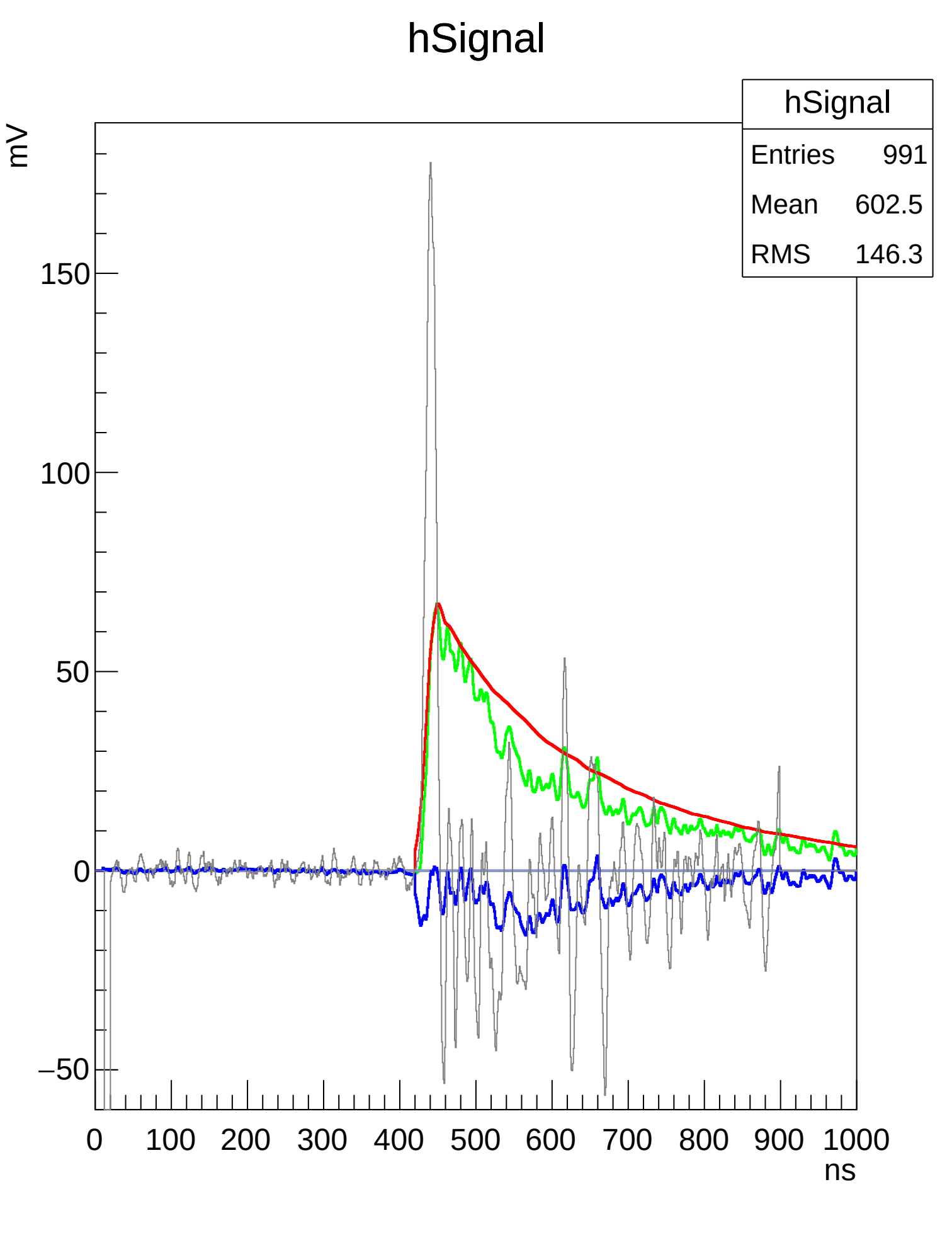
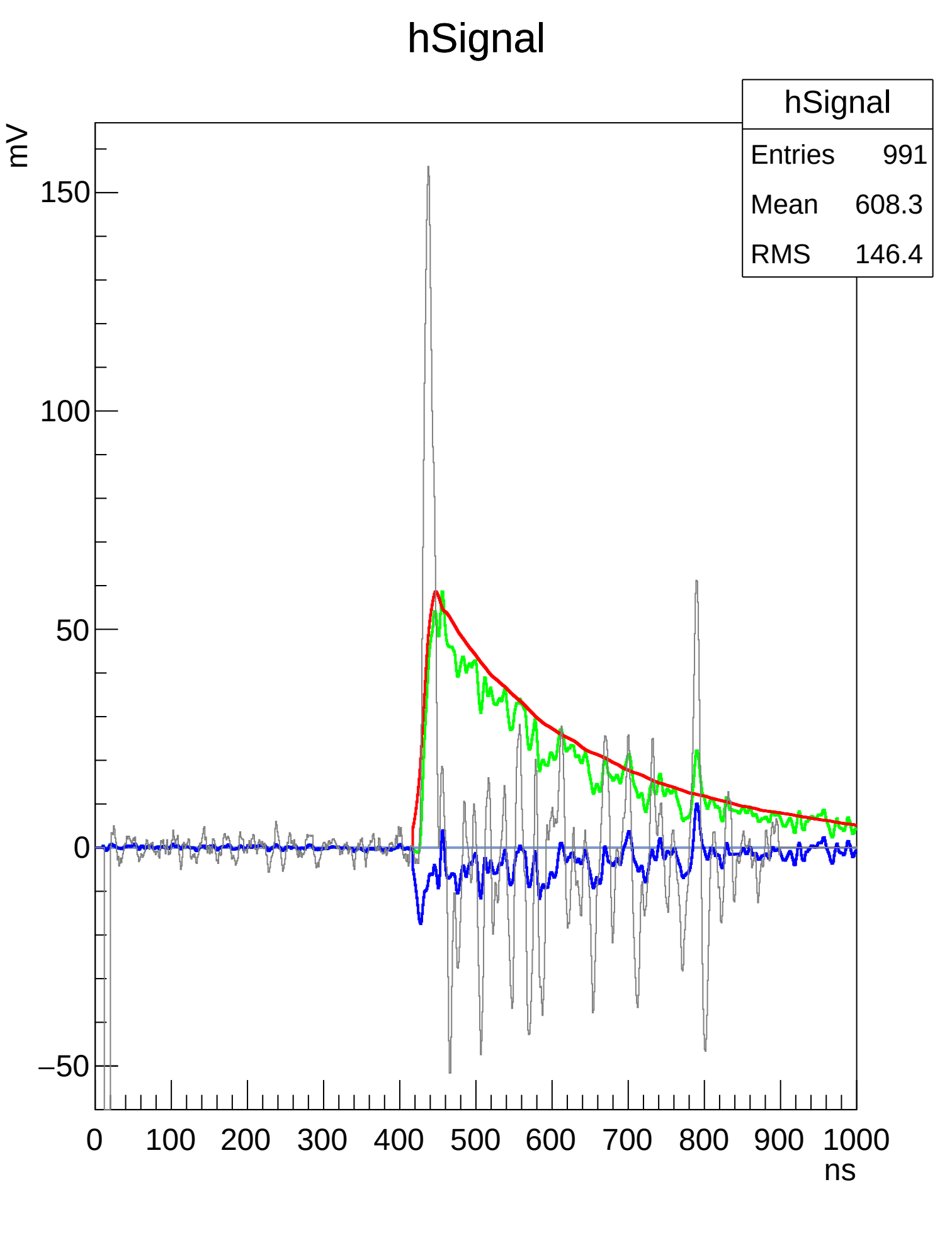
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 146.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.3
RMS 146.4
mV
150
100
50
0
−50
0
100
200
300
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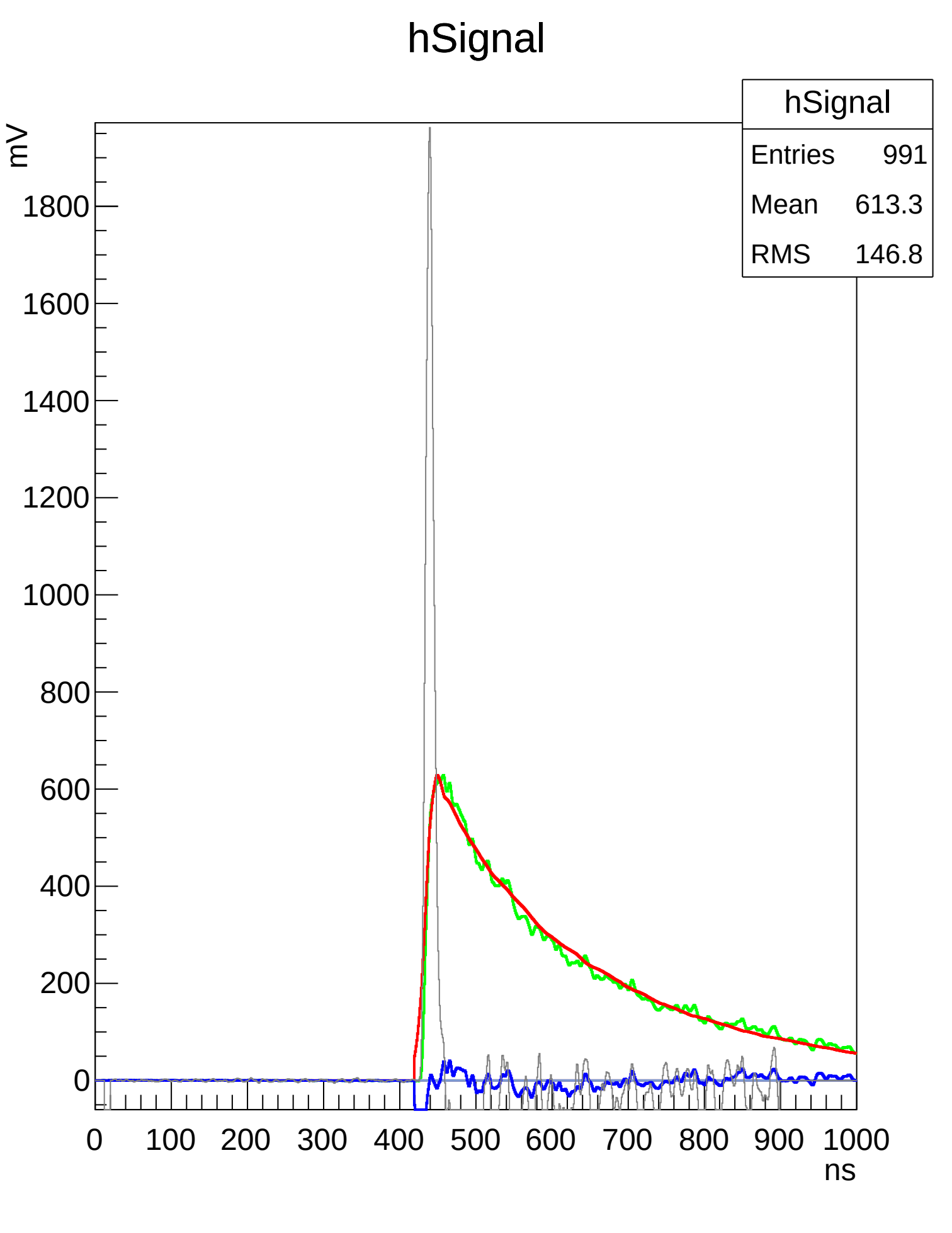
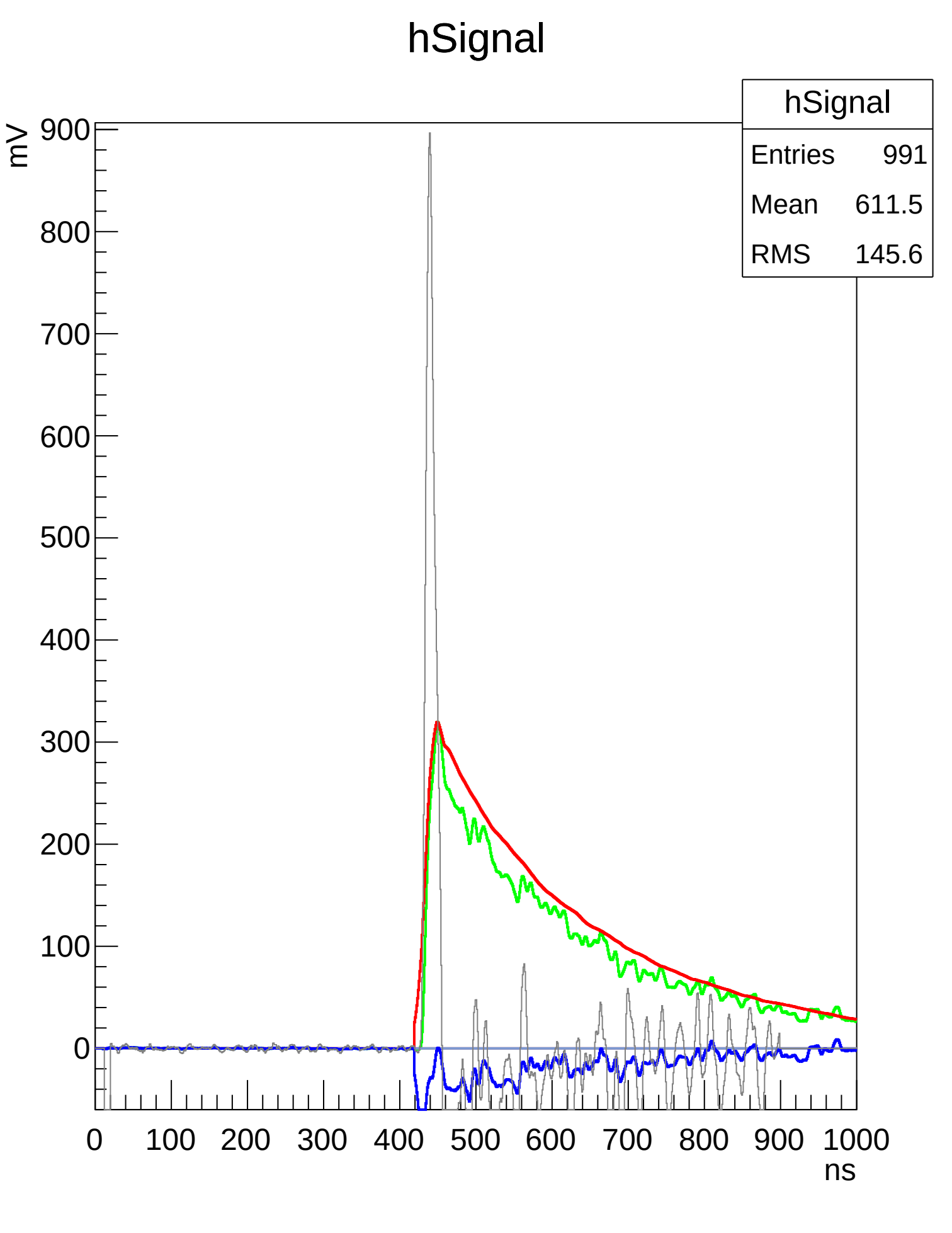
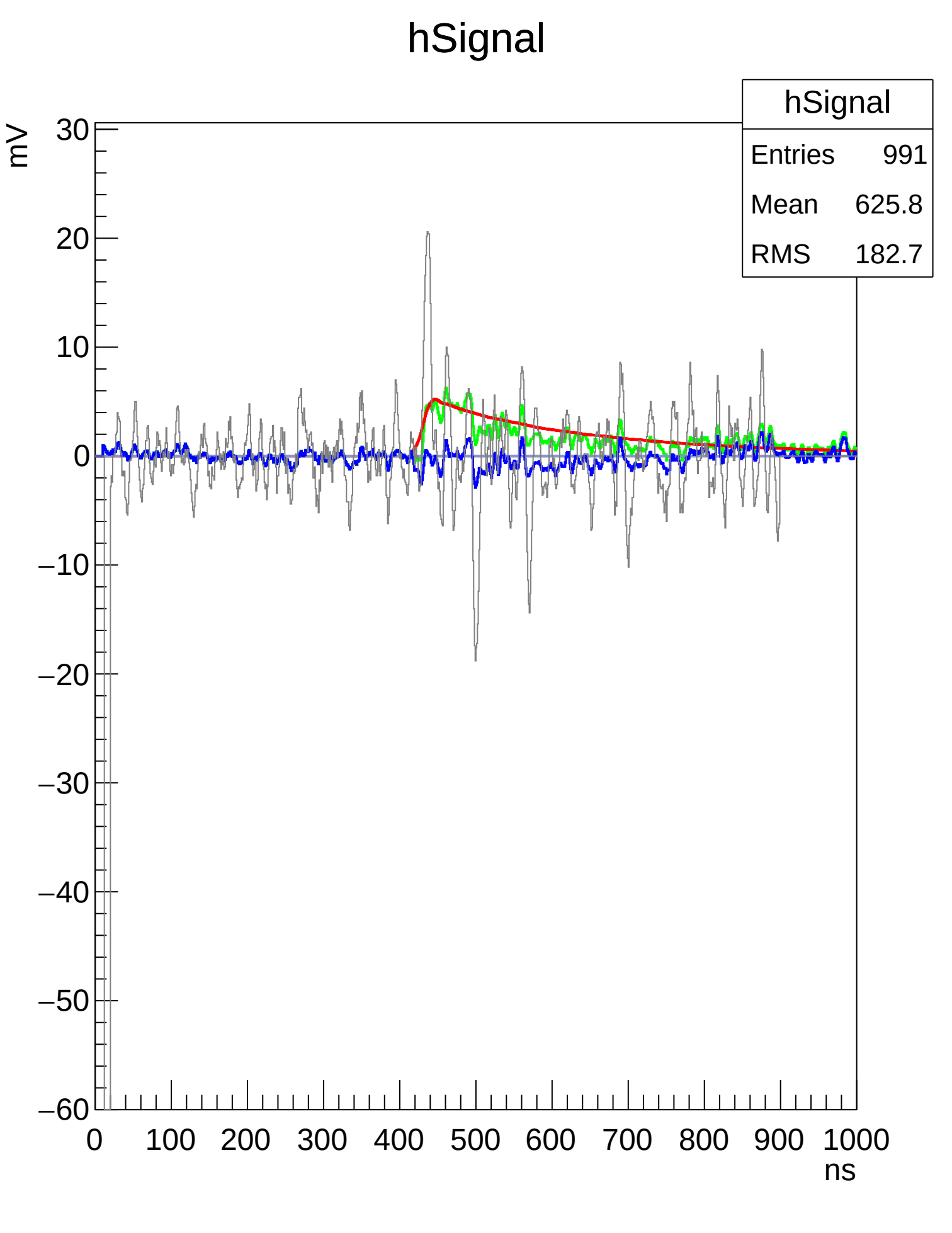
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.3
RMS 146.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.5
RMS 145.6
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.8
RMS 182.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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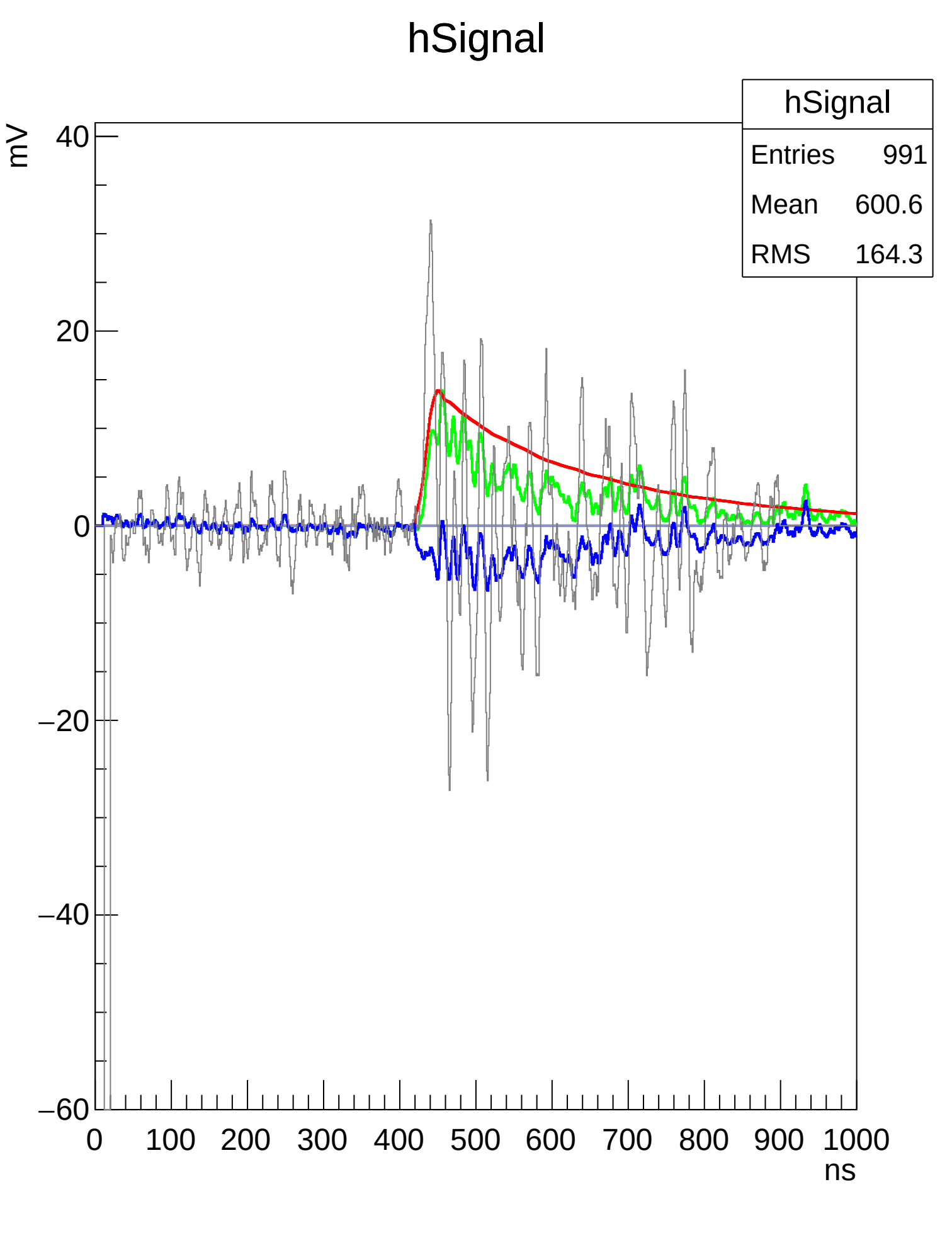
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.6
RMS 164.3
mV
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20
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−20
−40
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0
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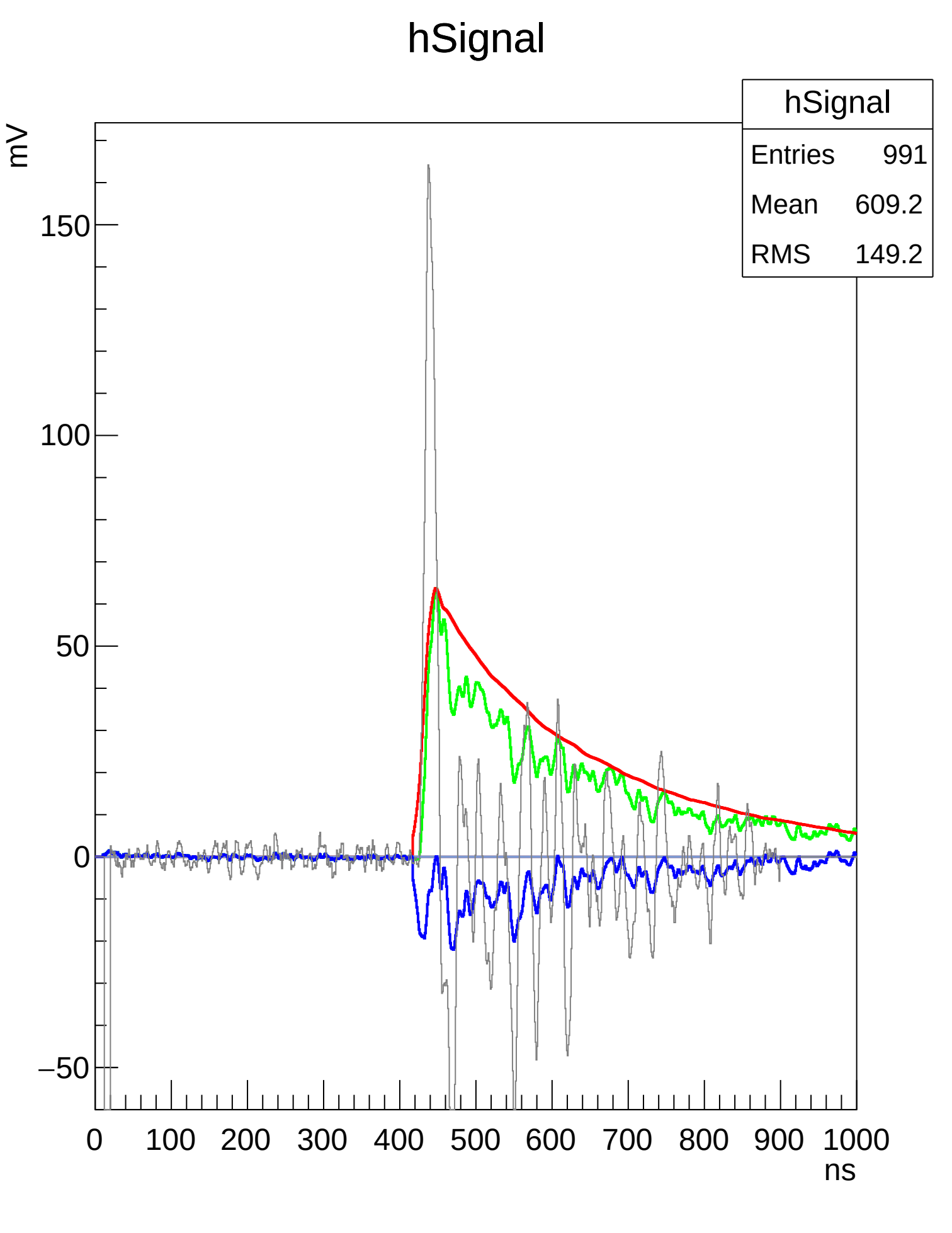
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 149.2
mV
150
100
50
0
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0
100
200
300
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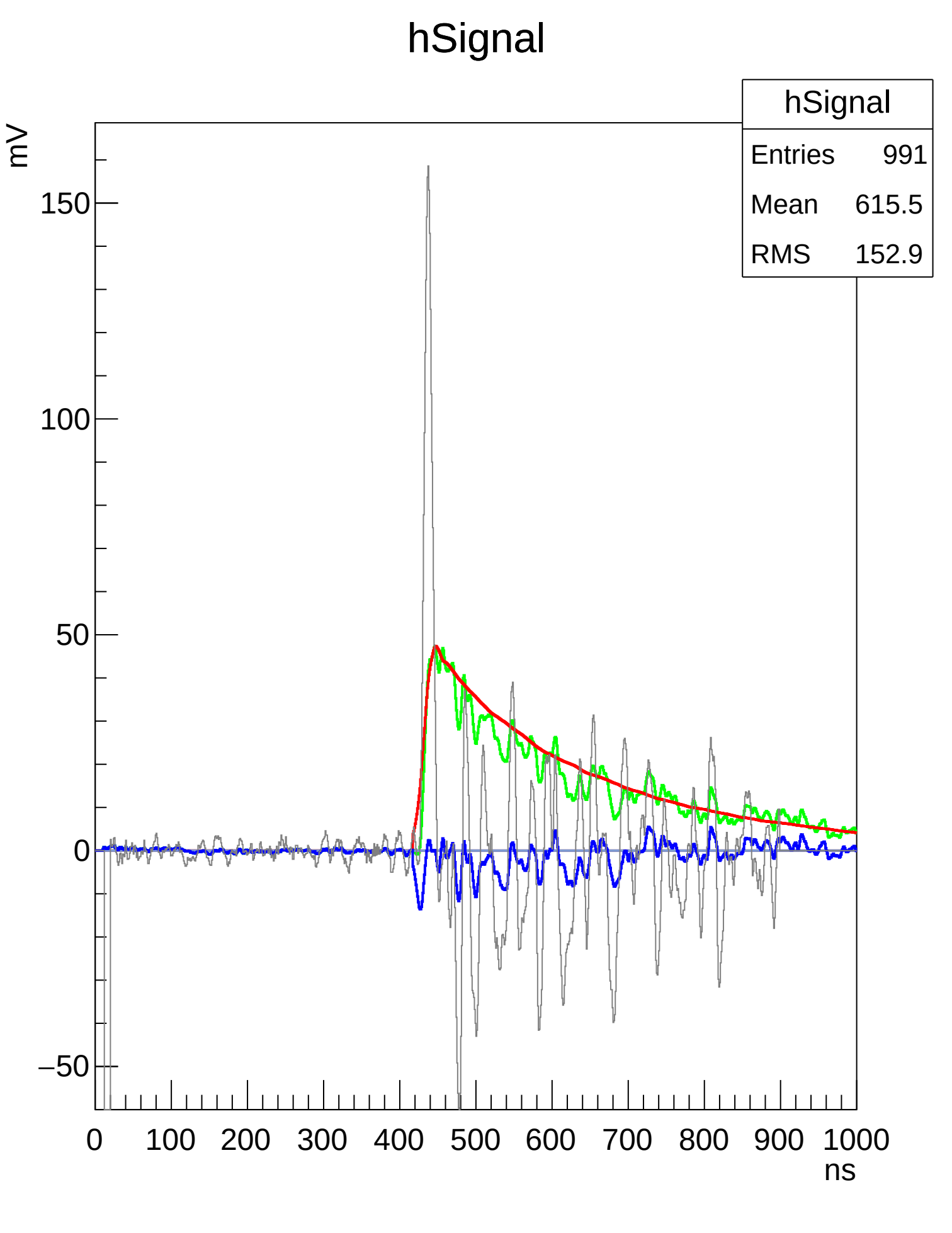
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.5
RMS 152.9
mV
150
100
50
0
−50
0
100
200
300
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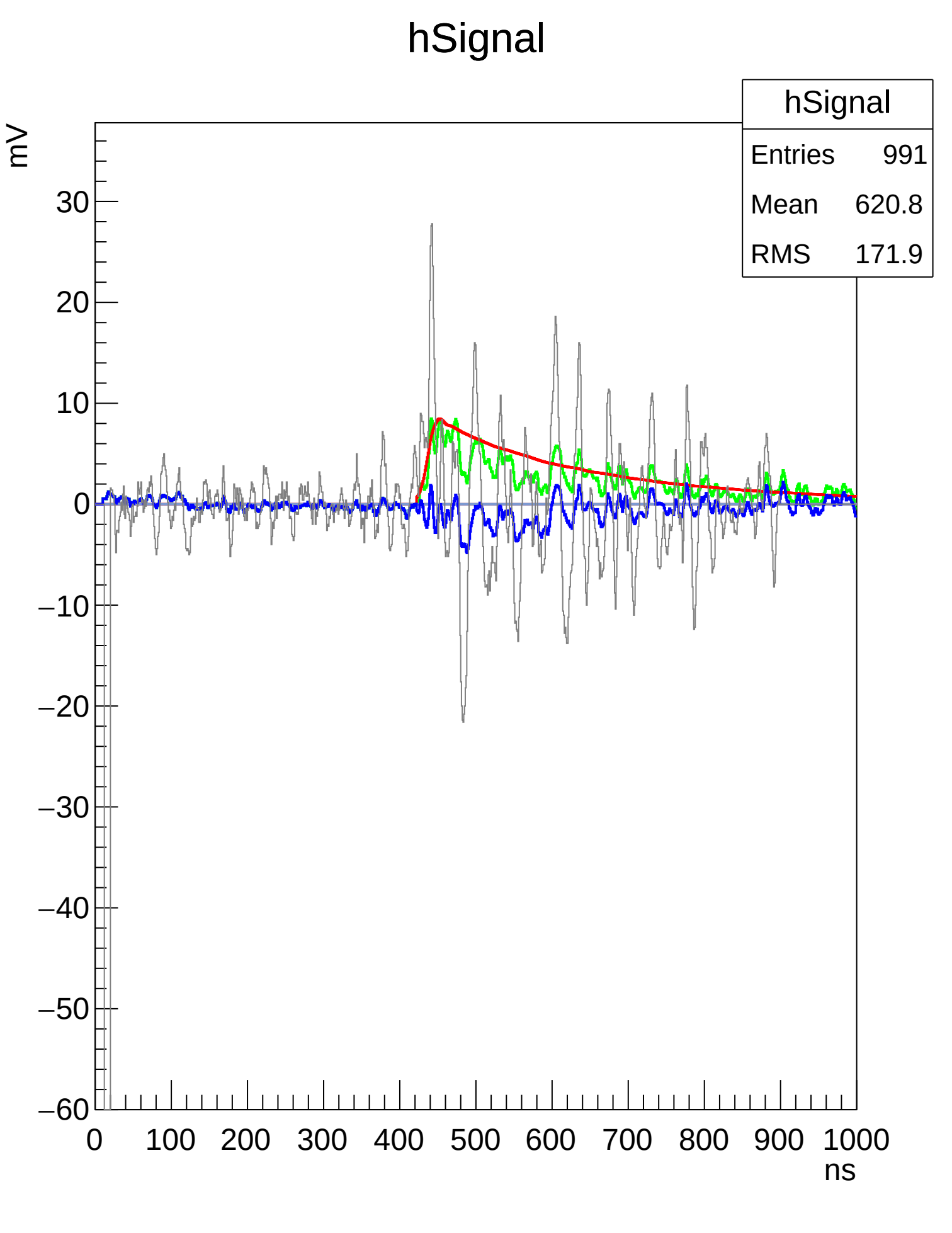
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.8
RMS 171.9
mV
30
20
10
0
−10
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−40
−50
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0
100
200
300
400
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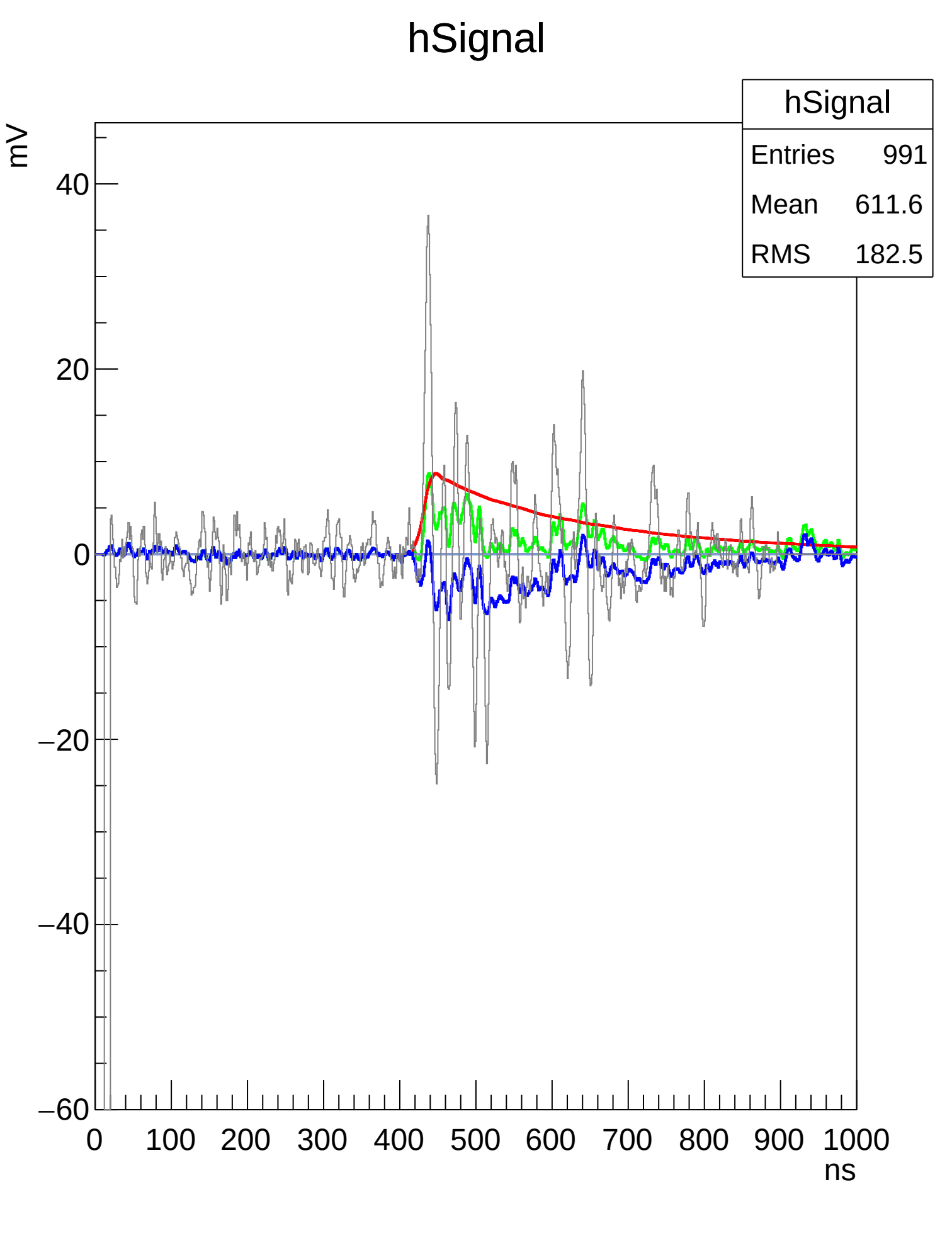
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.6
RMS 182.5
mV
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−20
−40
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0
100
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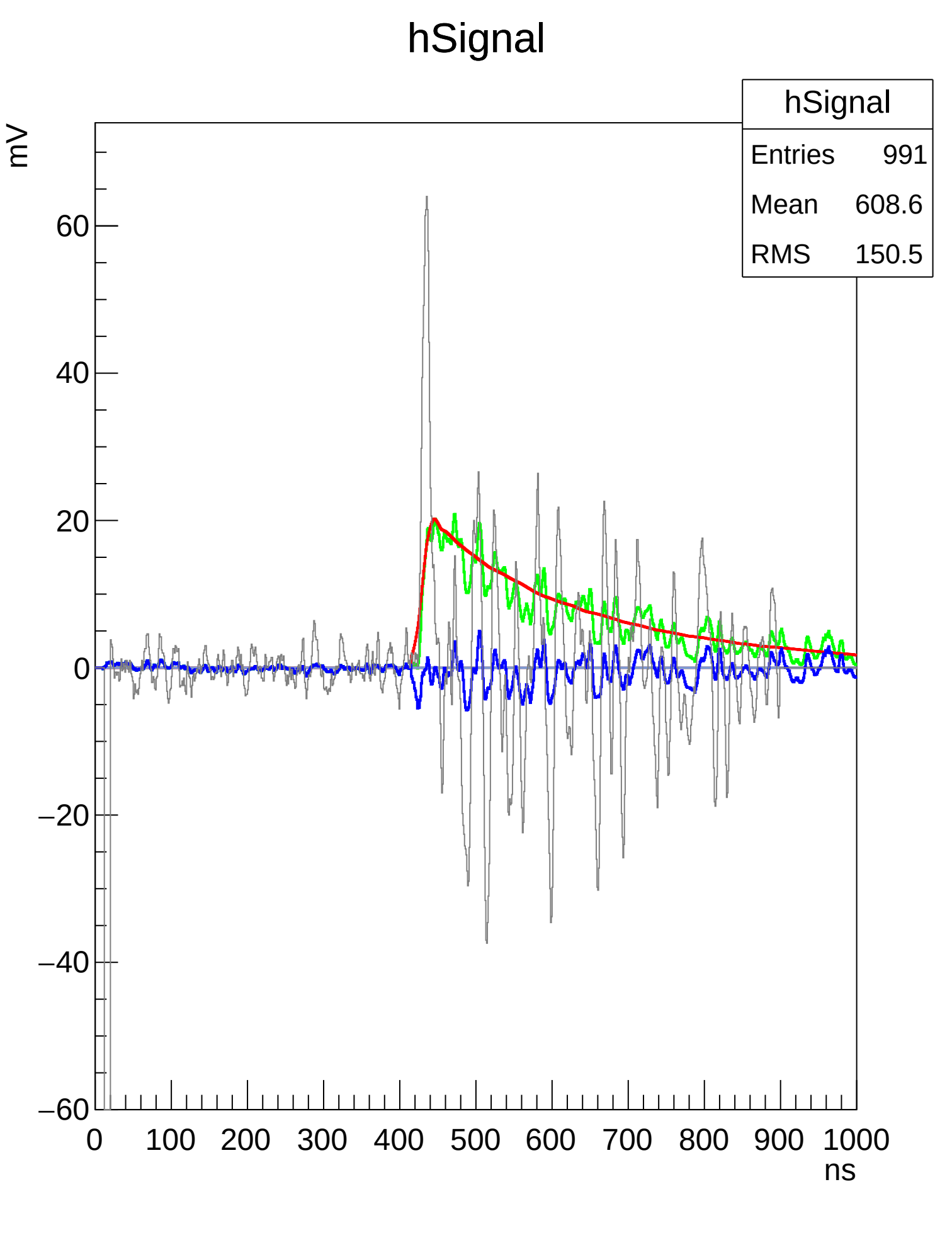
1000
ns


hSignal
hSignal
Entries 991
Mean 608.6
RMS 150.5
mV
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40
20
0
−20
−40
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0
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200
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600
700
800
900
1000
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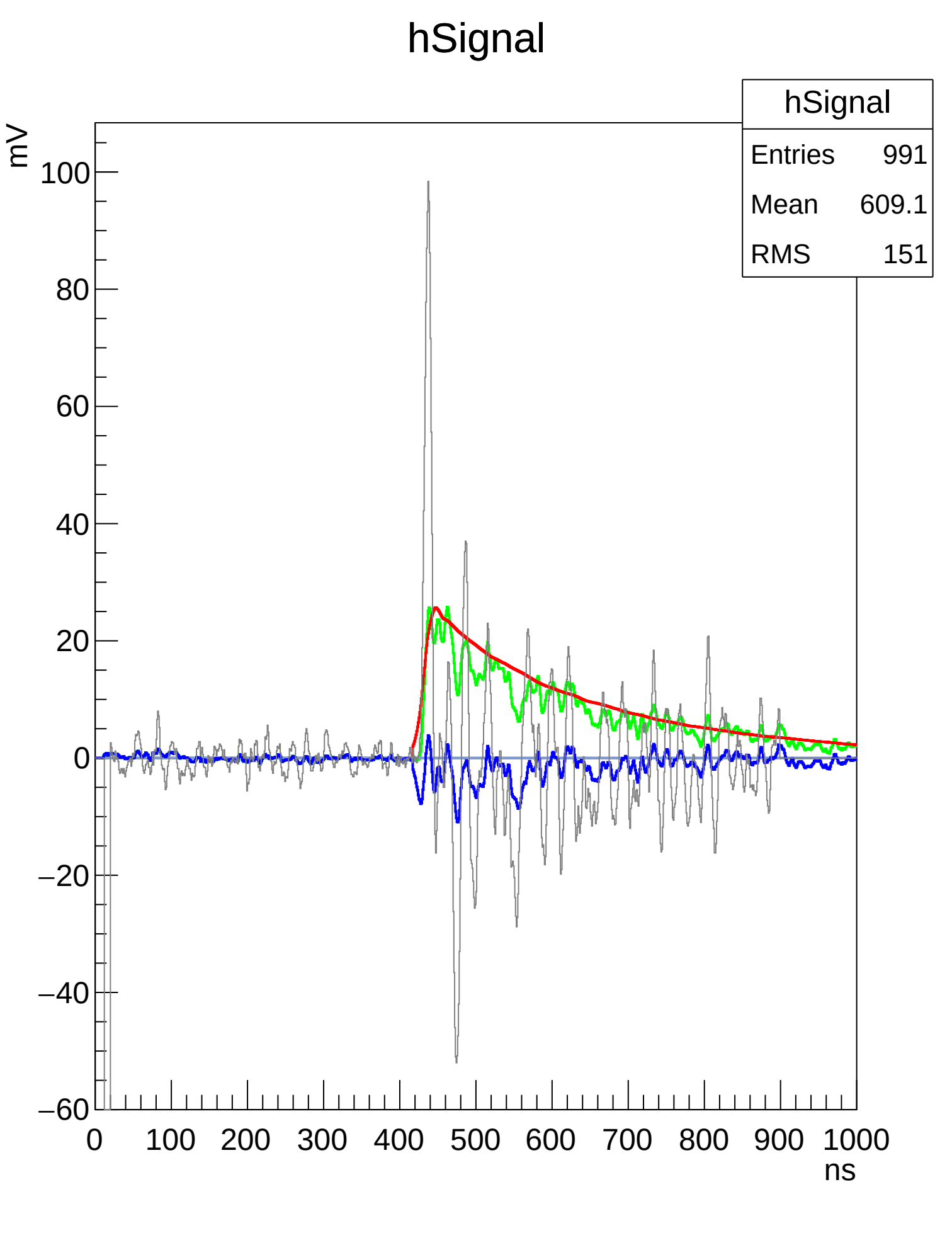
hSignal
hSignal
Entries 991
Mean 609.1
RMS 151
mV
100
80
60
40
20
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−20
−40
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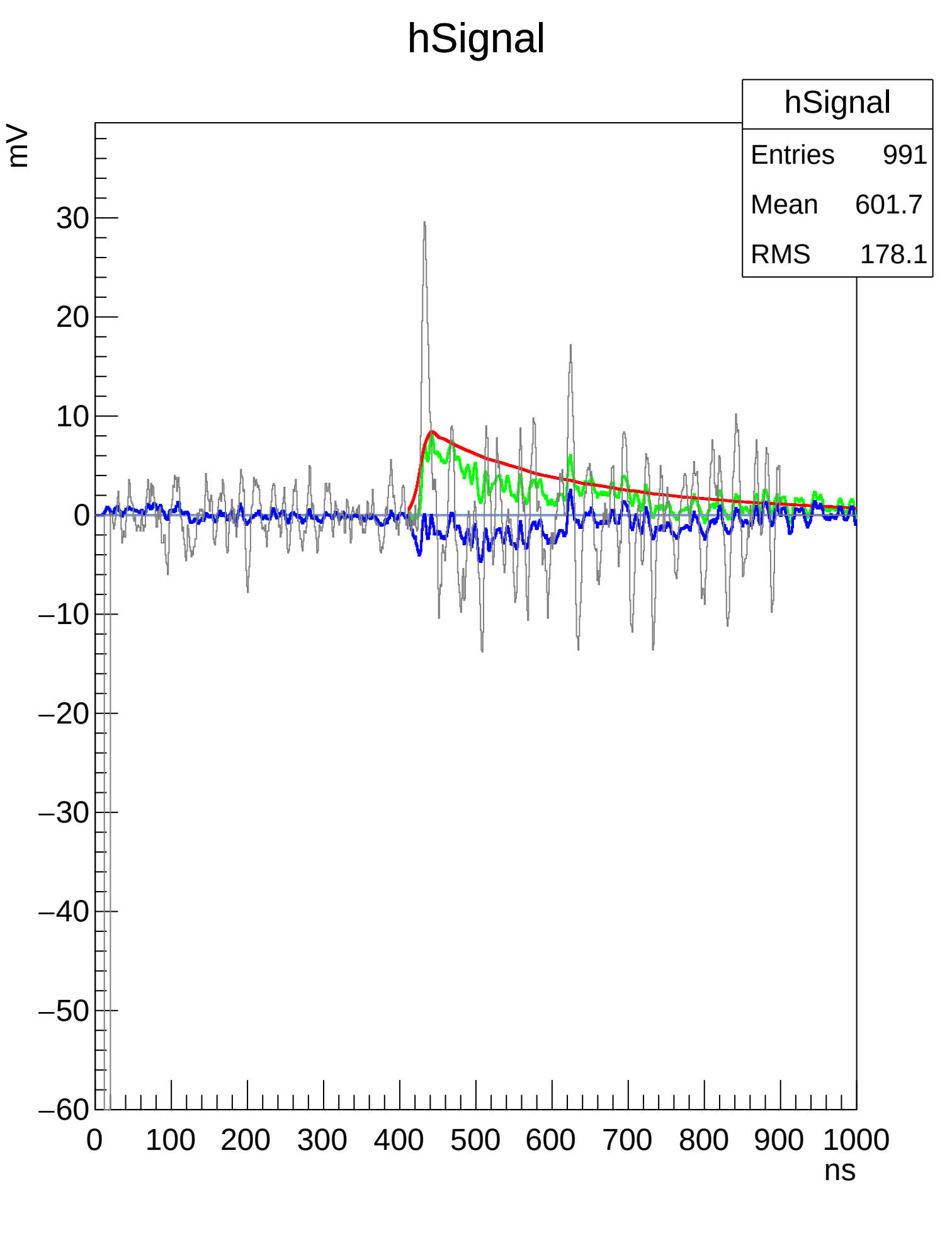
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.7
RMS 178.1
mV
30
20
10
0
−10
−20
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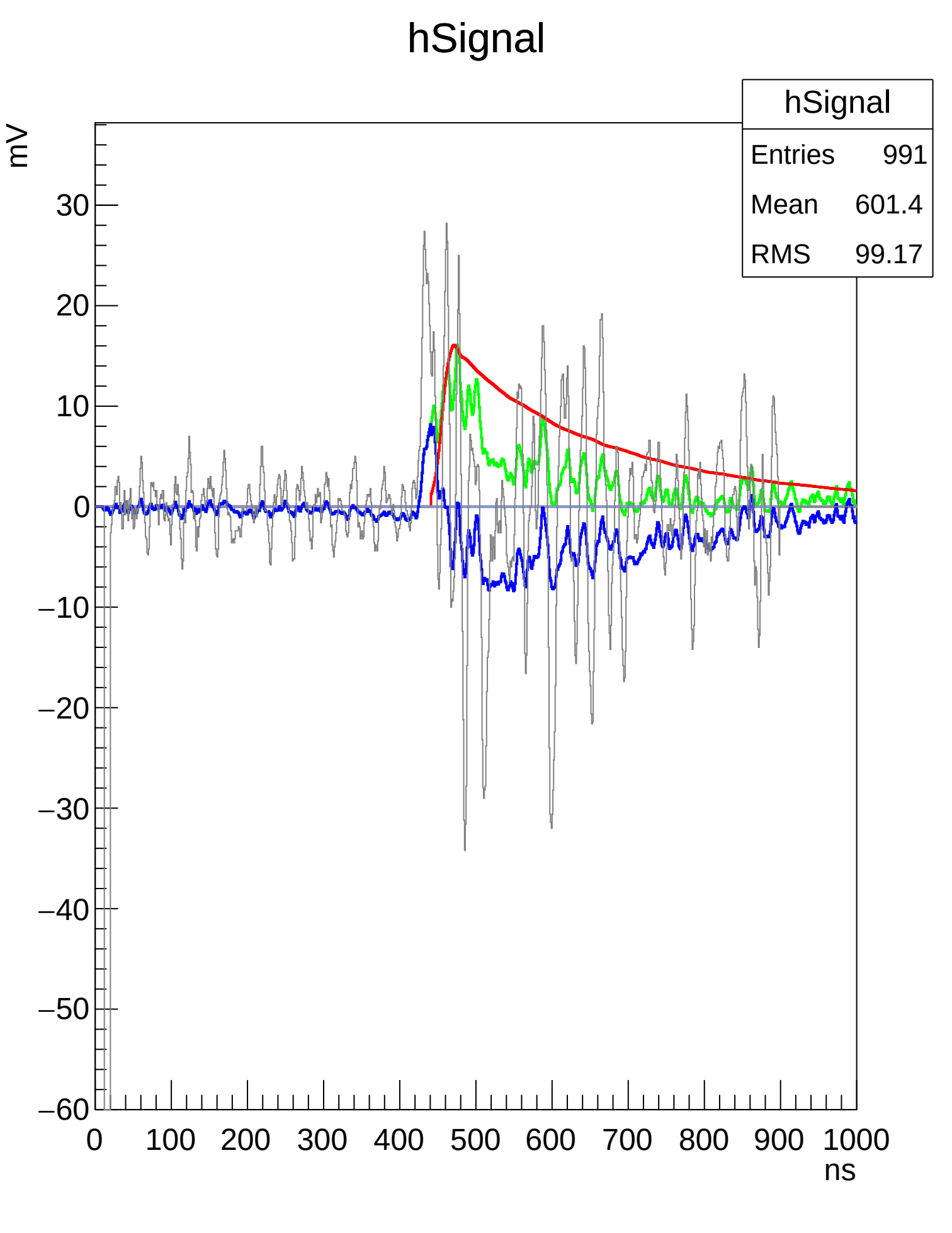
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 99.17
mV
30
20
10
0
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−50
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0
100
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400
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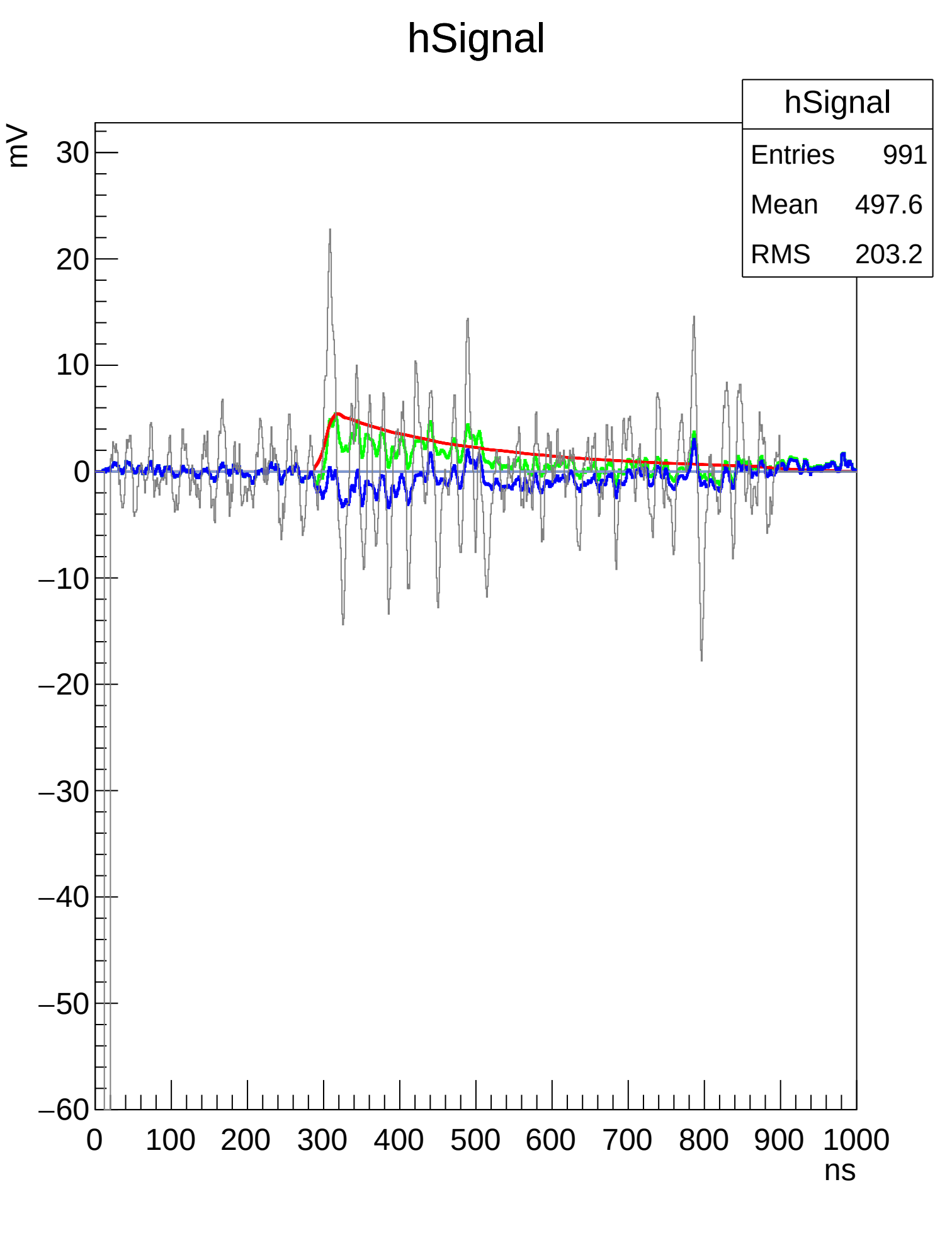
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.6
RMS 203.2
mV
30
20
10
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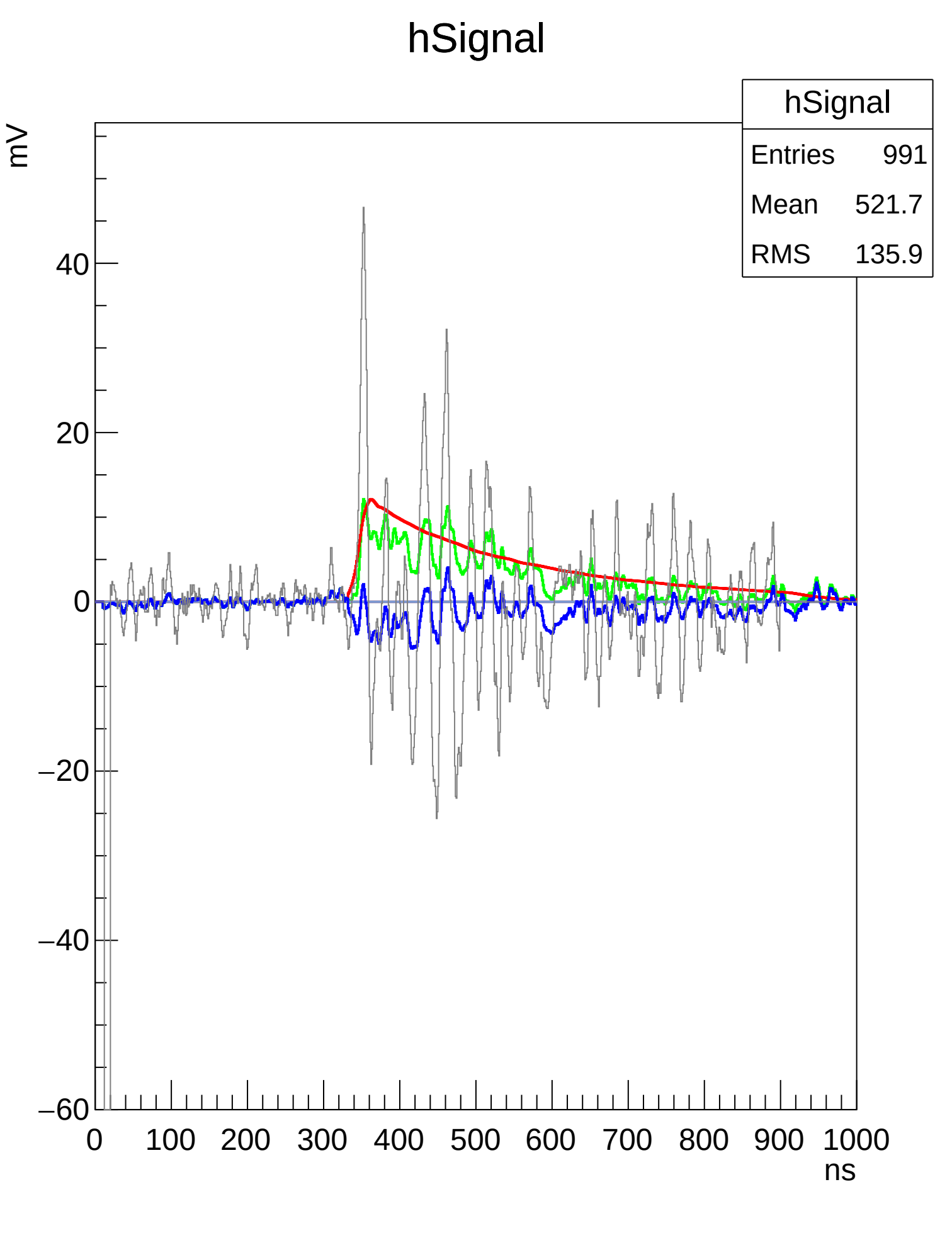
ns


hSignal
hSignal
Entries 991
Mean 521.7
RMS 135.9
mV
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−20
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0
100
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700
800
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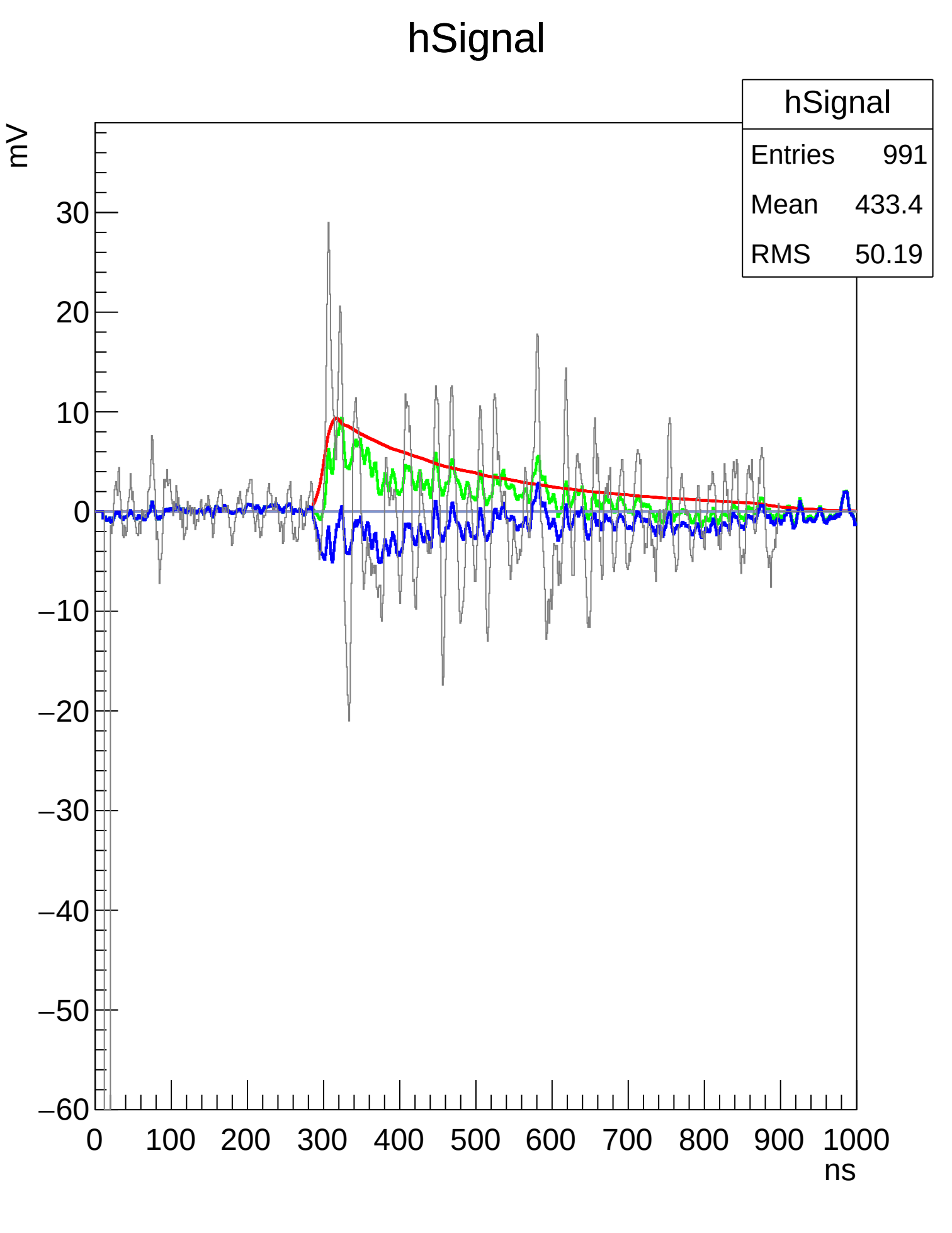
1000
ns


hSignal
hSignal
Entries 991
Mean 433.4
RMS 50.19
mV
30
20
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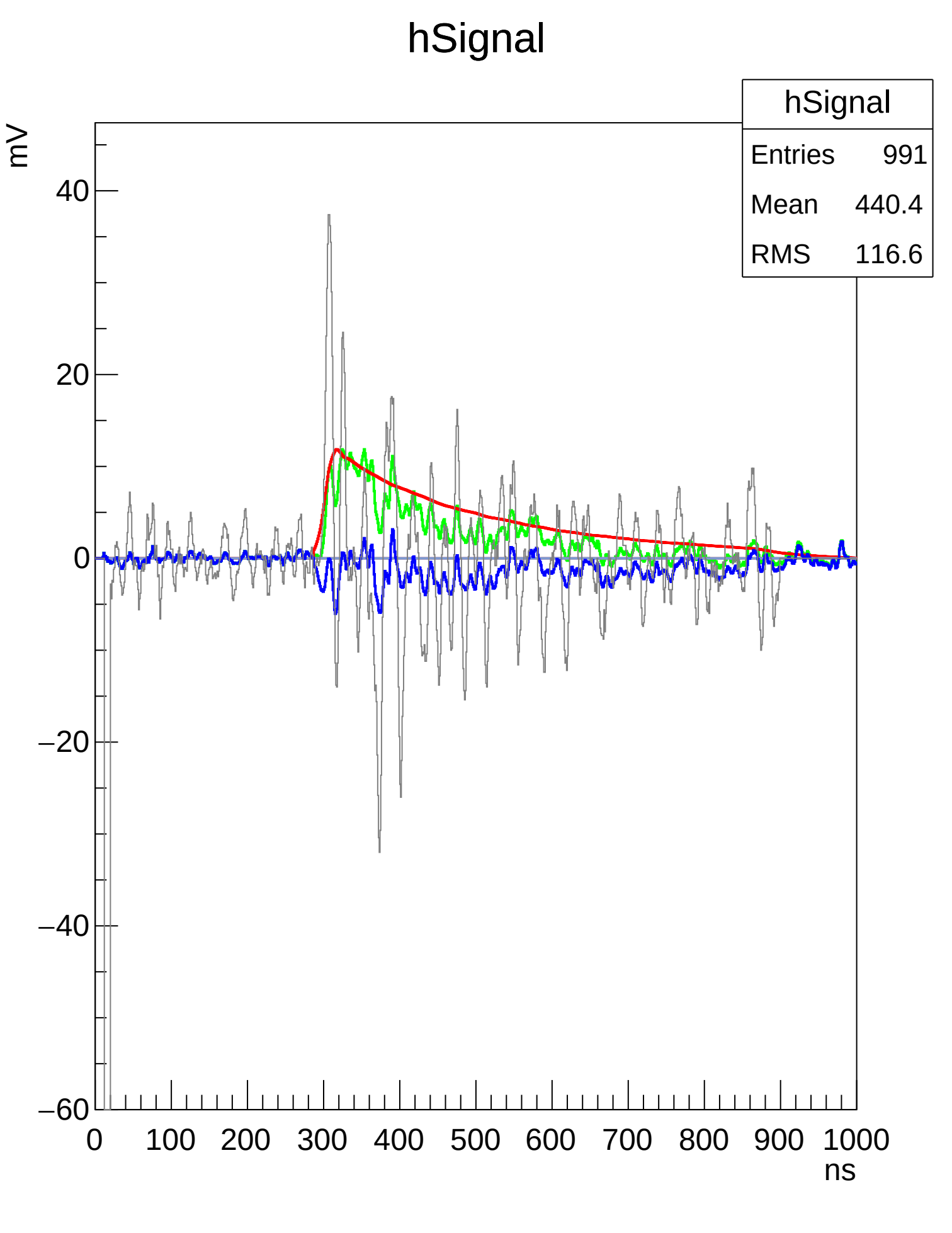
hSignal
hSignal
Entries 991
Mean 440.4
RMS 116.6
mV
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−20
−40
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0
100
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700
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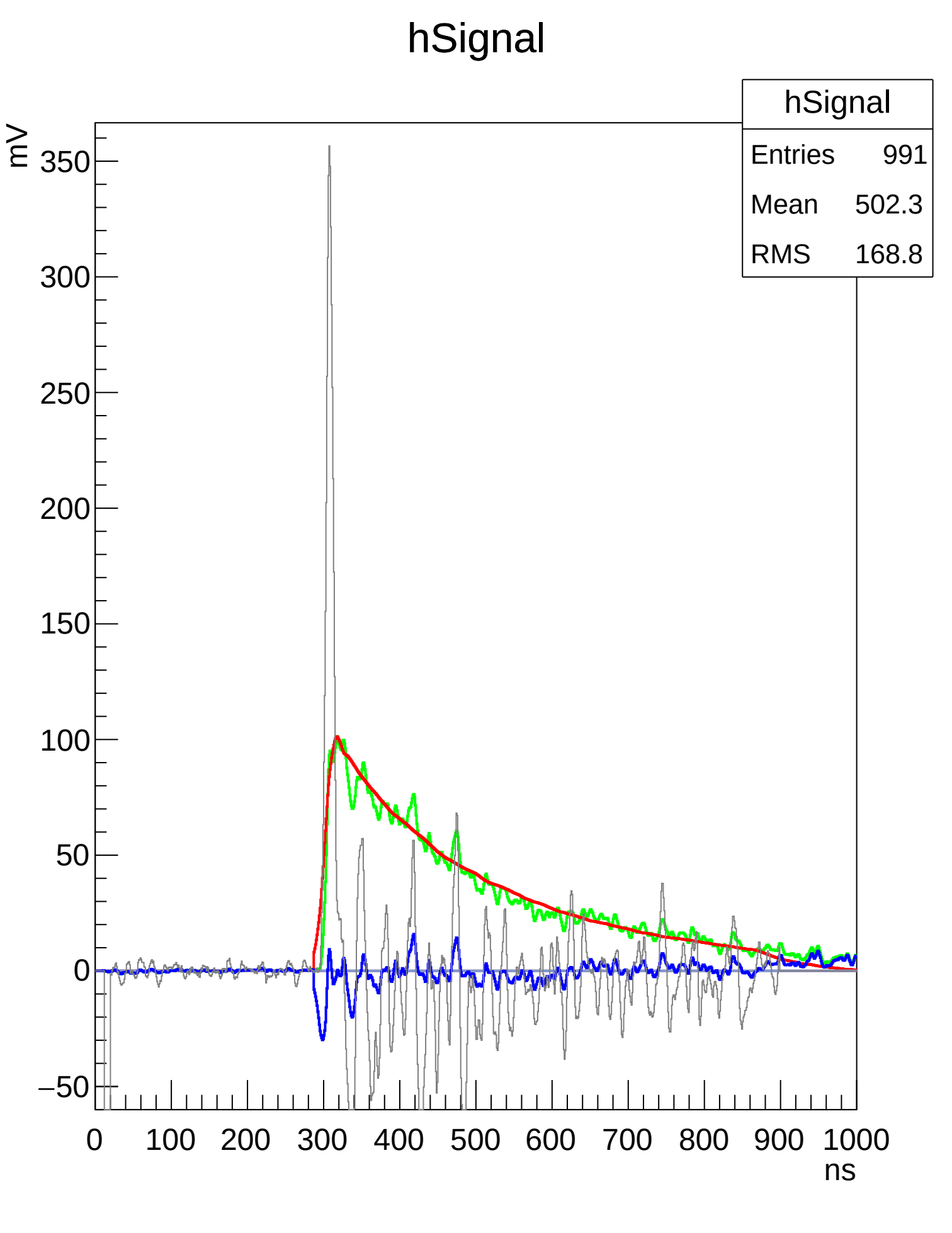
1000
ns


hSignal
hSignal
Entries 991
Mean 502.3
RMS 168.8
mV
350
300
250
200
150
100
50
0
−50
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200
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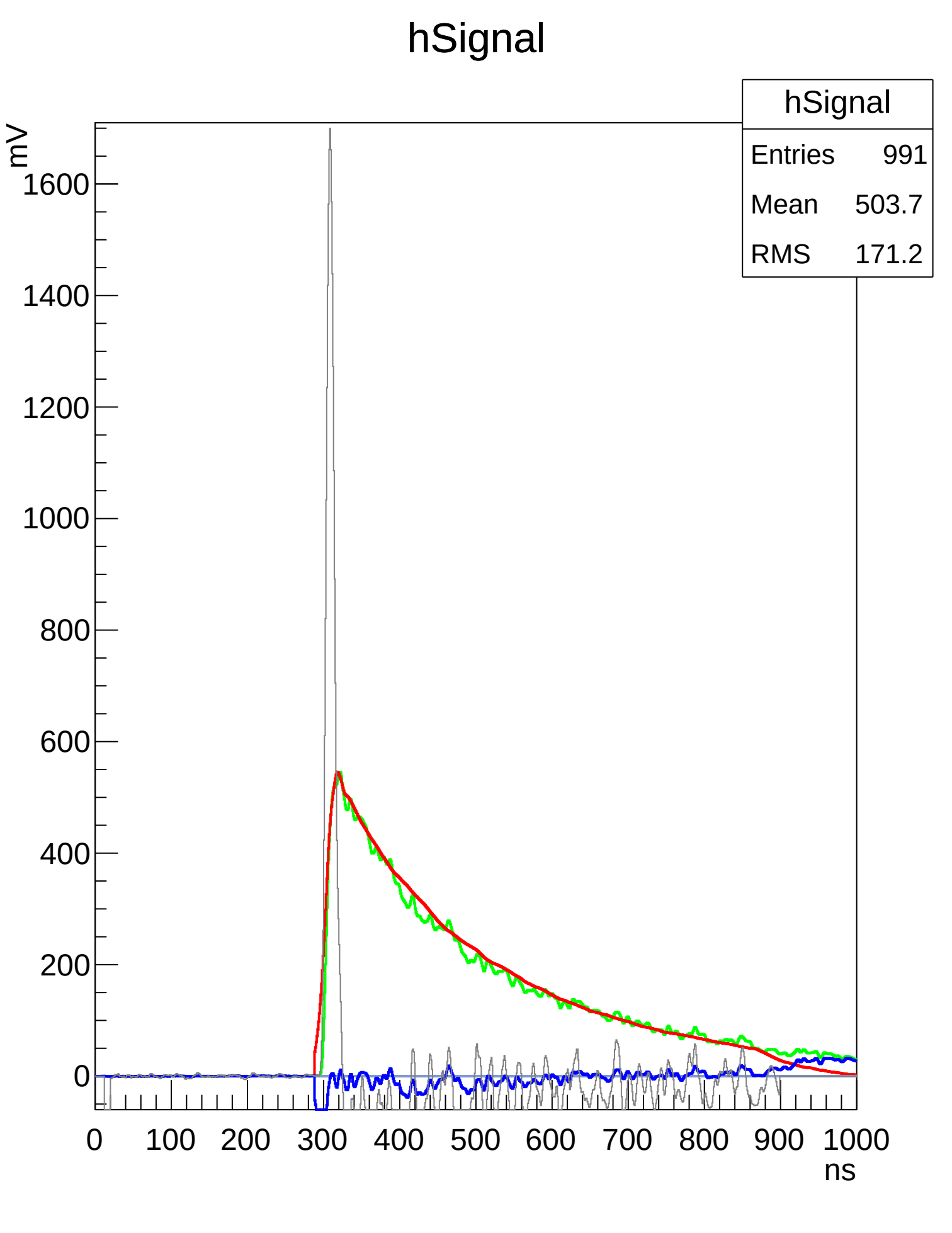
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.7
RMS 171.2
mV
1600
1400
1200
1000
800
600
400
200
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0
100
200
300
400
500
600
700
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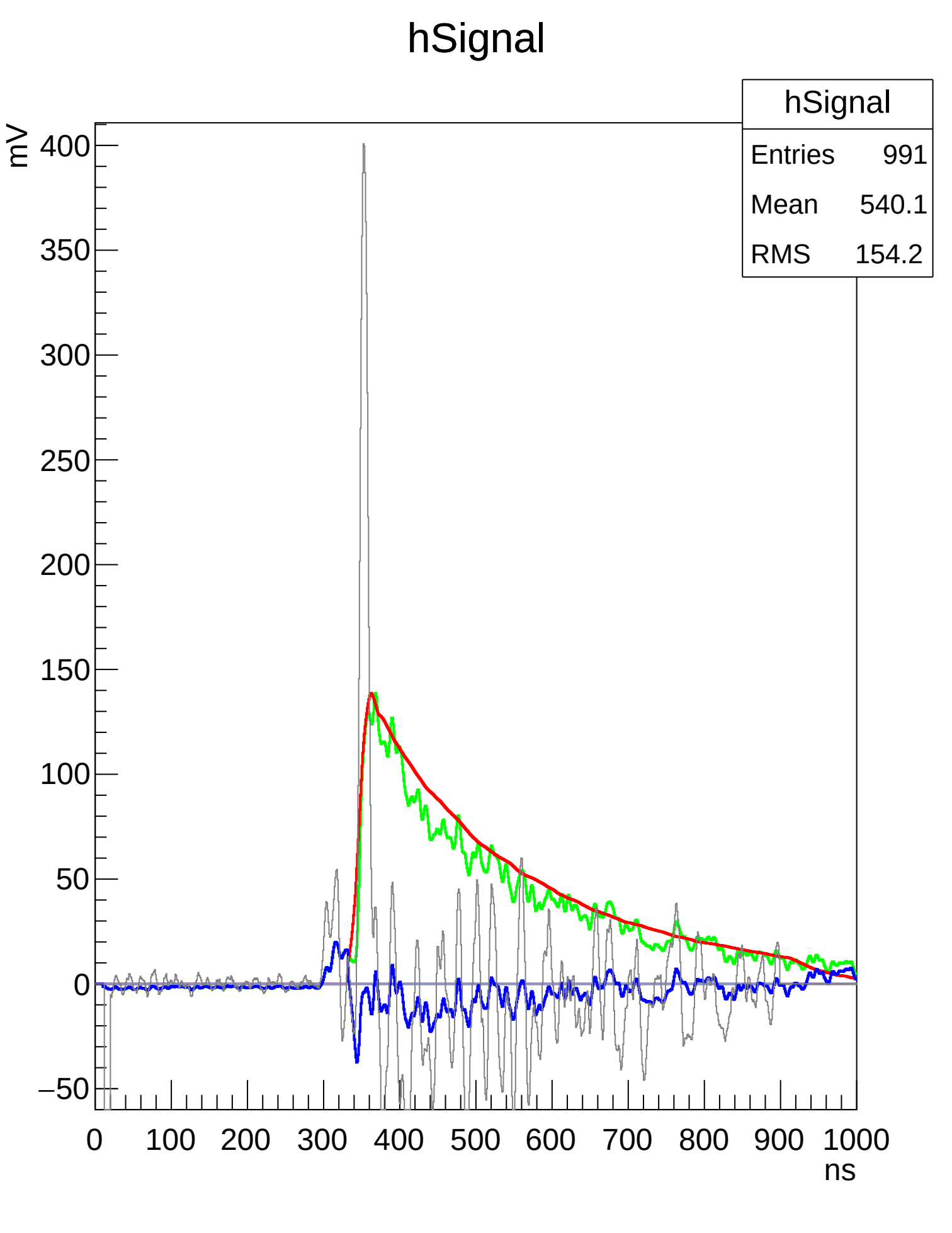
ns


hSignal
hSignal
Entries 991
Mean 540.1
RMS 154.2
mV
400
350
300
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150
100
50
0
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1000
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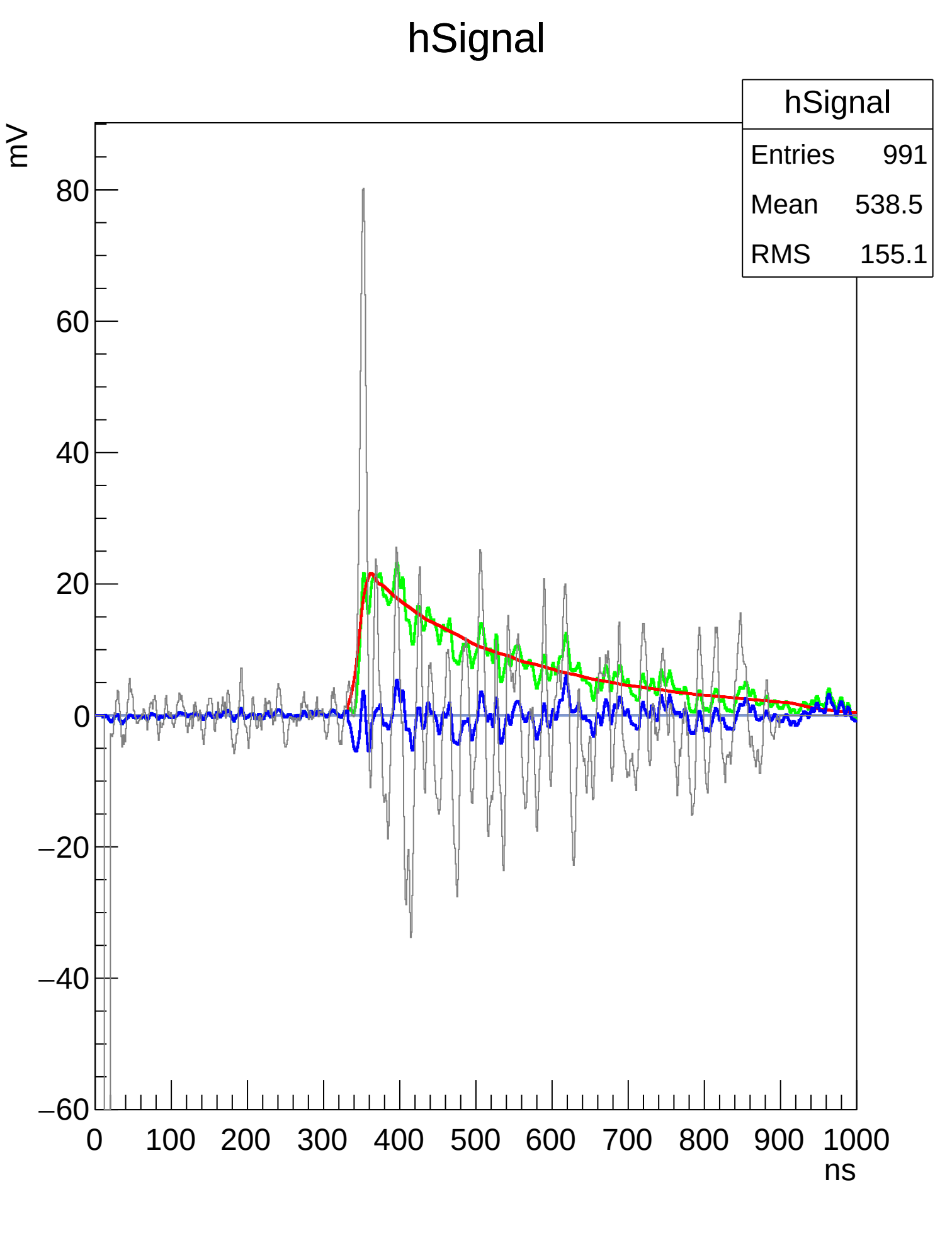
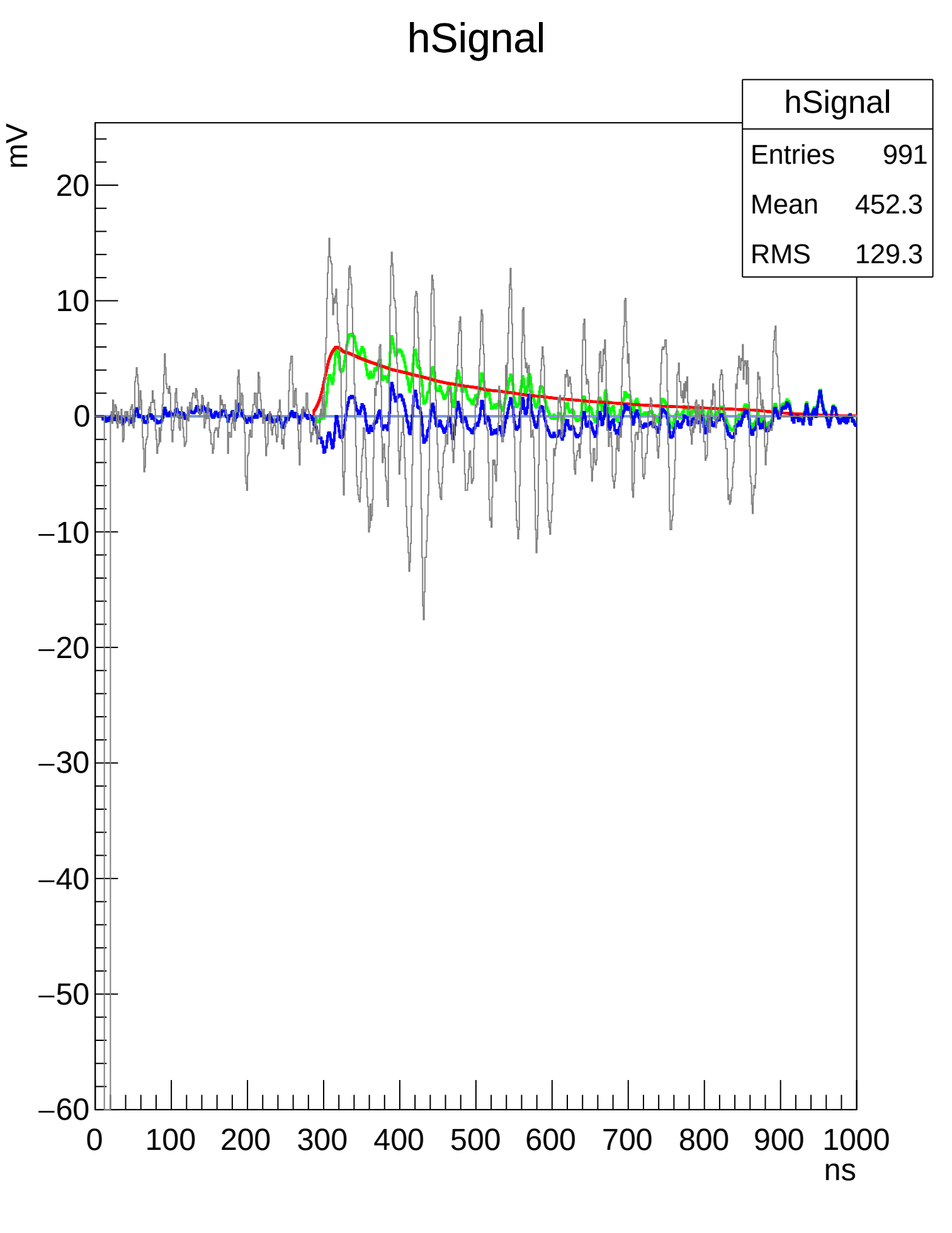
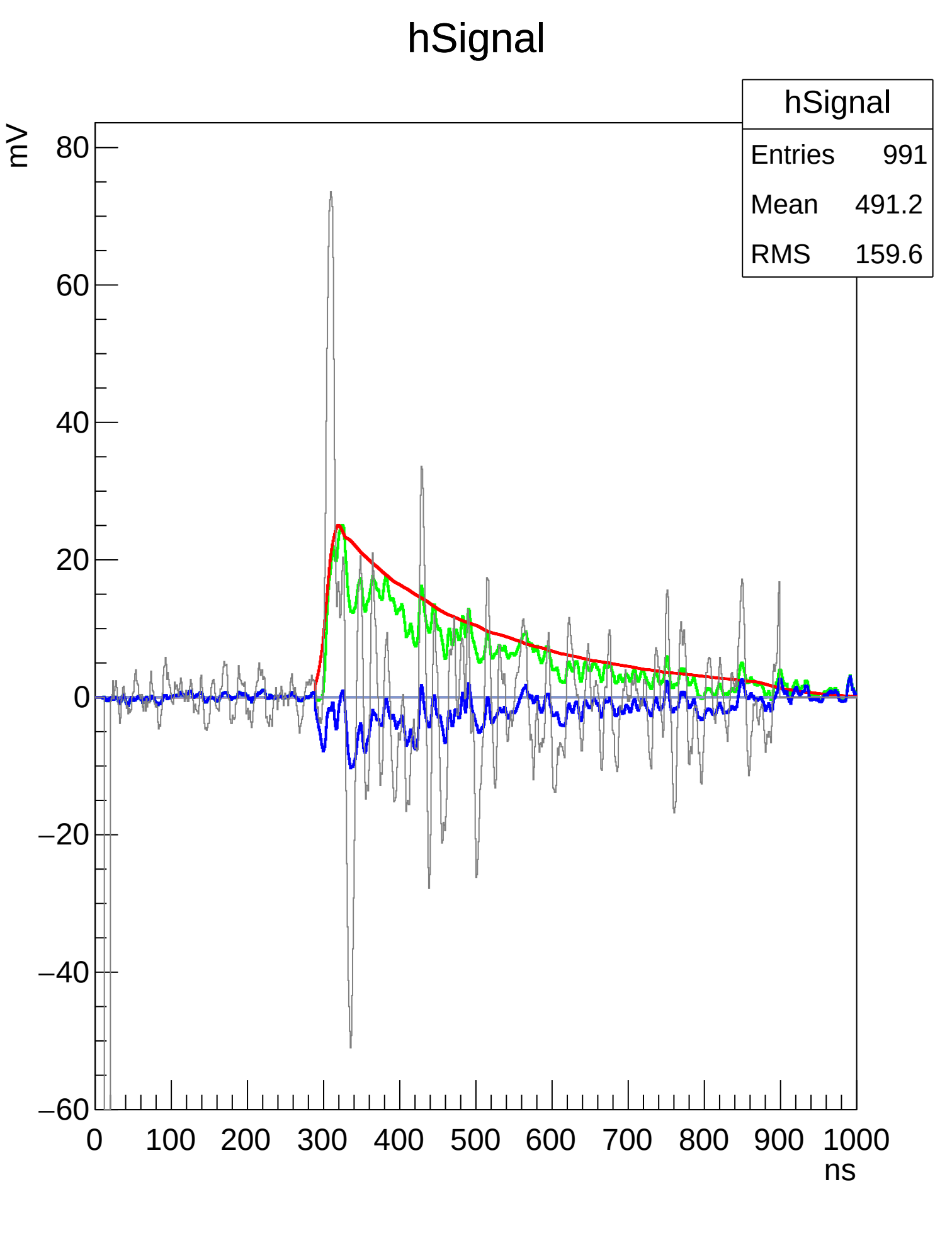
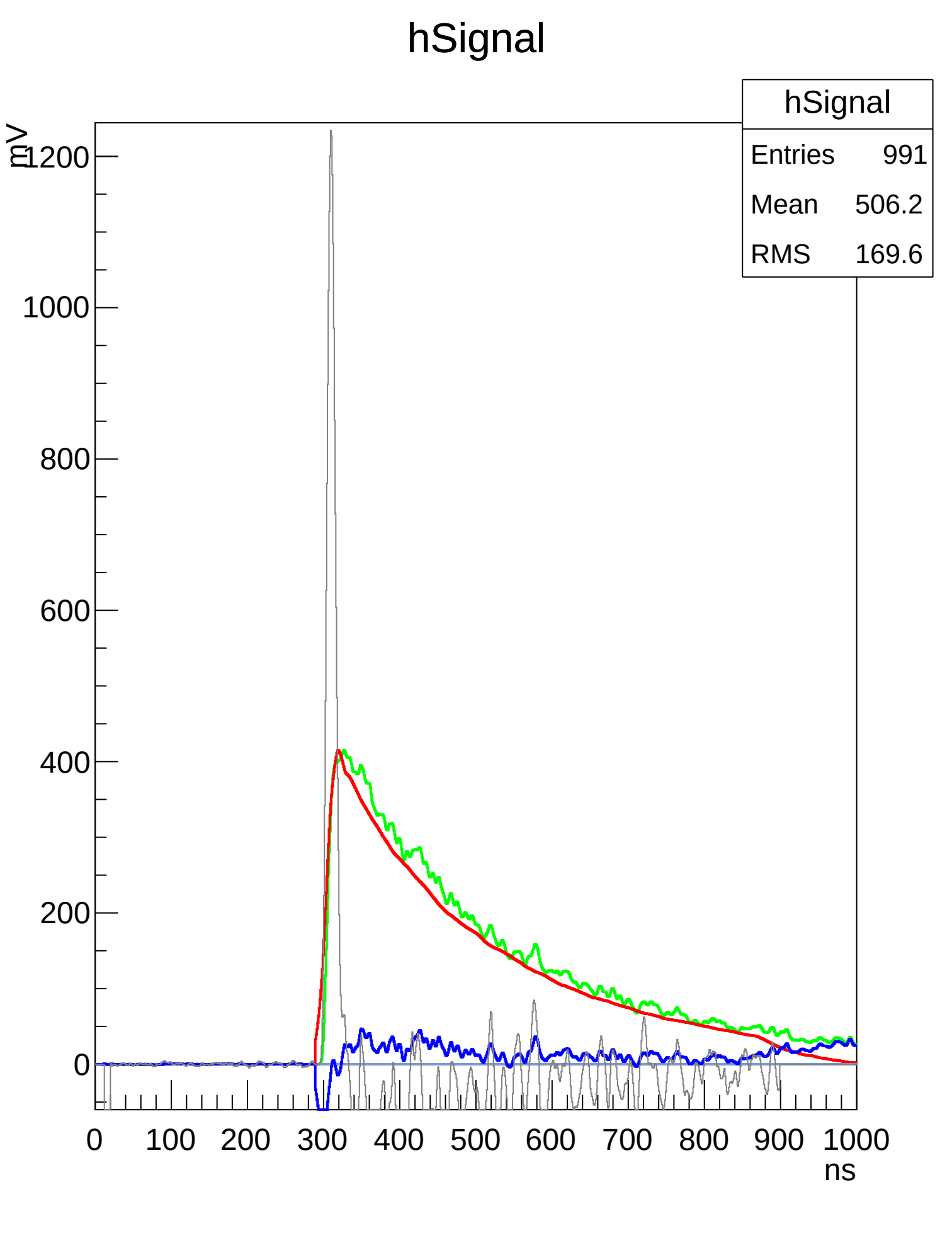
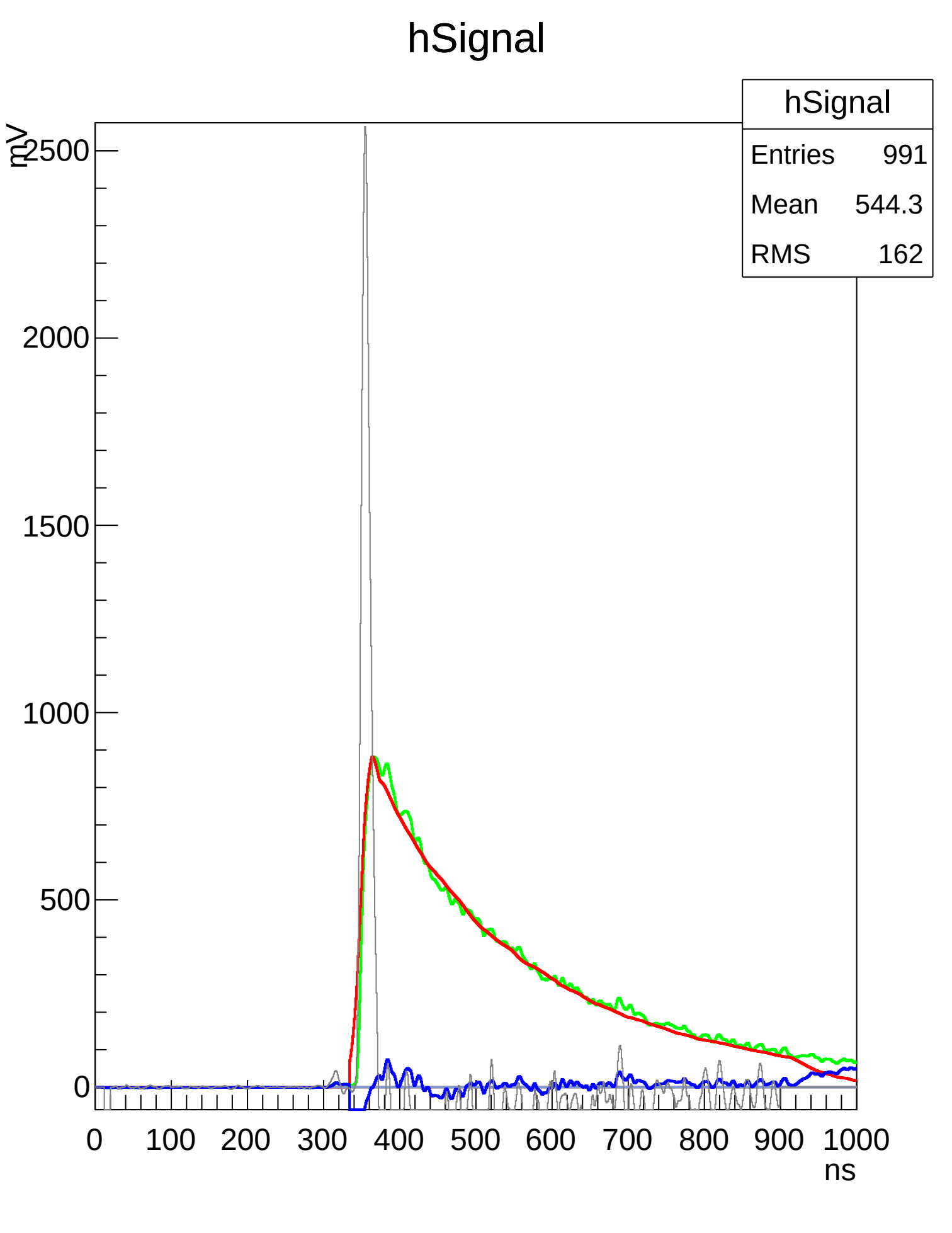
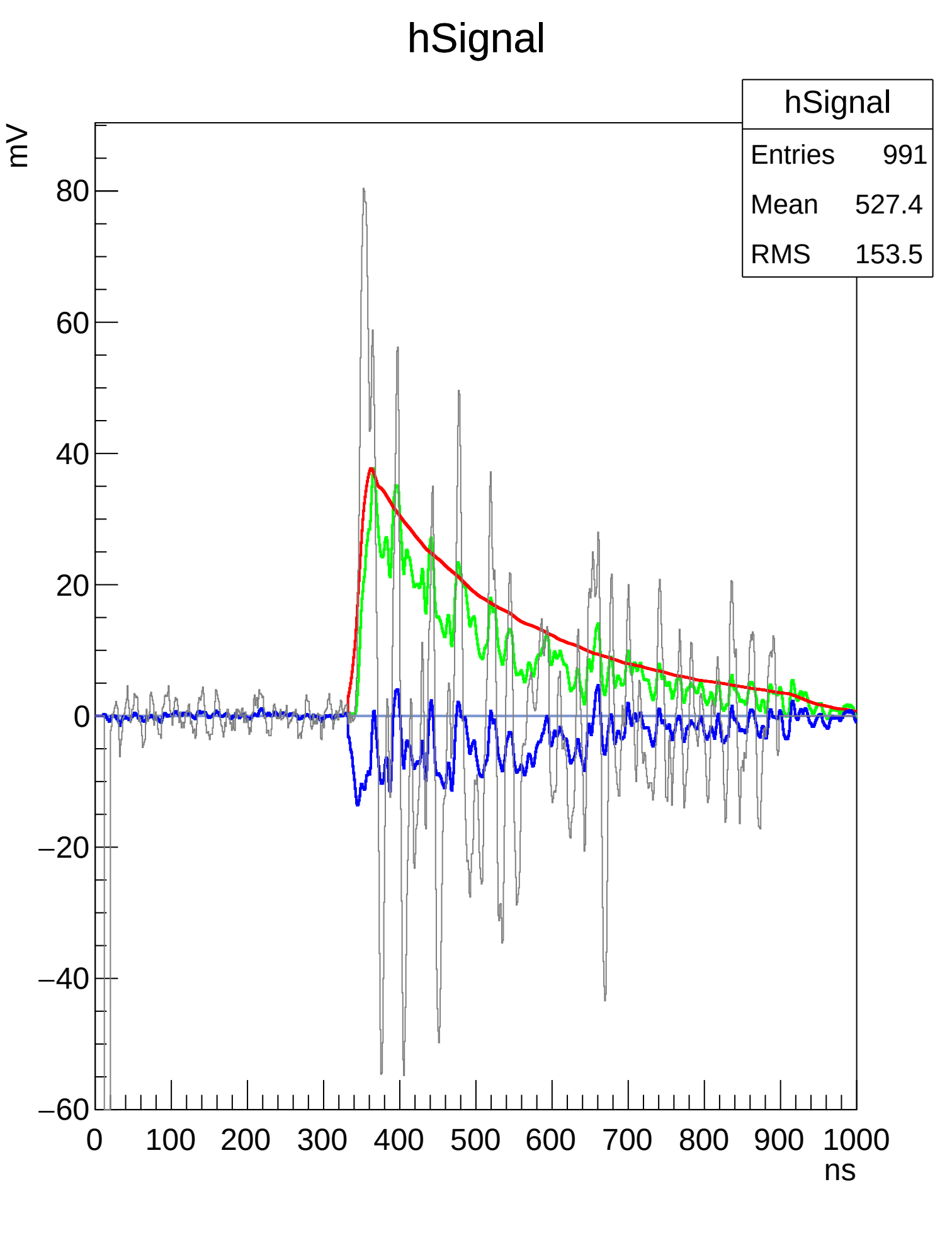

hSignal
hSignal
Entries 991
Mean 538.5
RMS 155.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

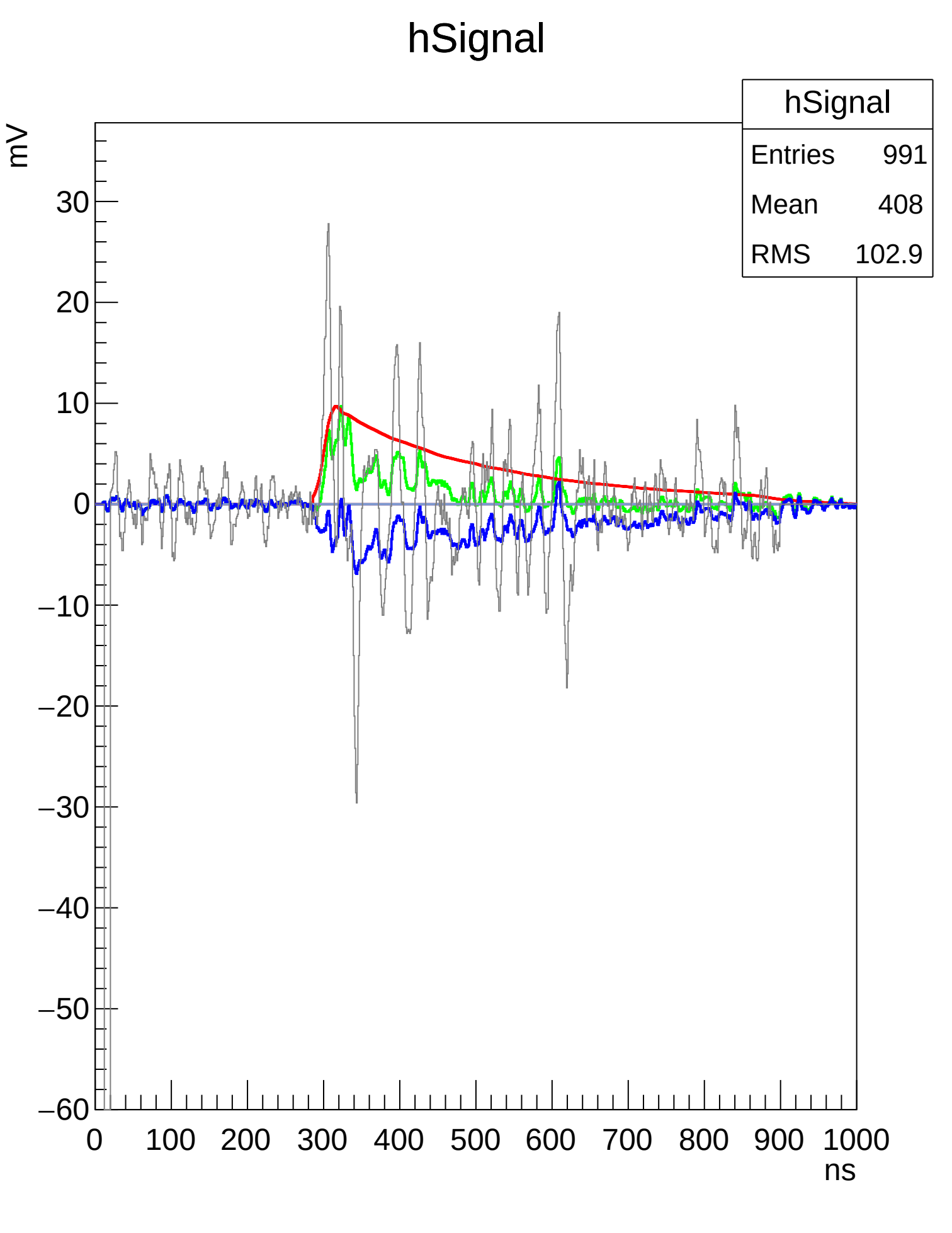

hSignal
hSignal
Entries 991
Mean 452.3
RMS 129.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.2
RMS 159.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.2
RMS 169.6
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.3
RMS 162
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.4
RMS 153.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 408
RMS 102.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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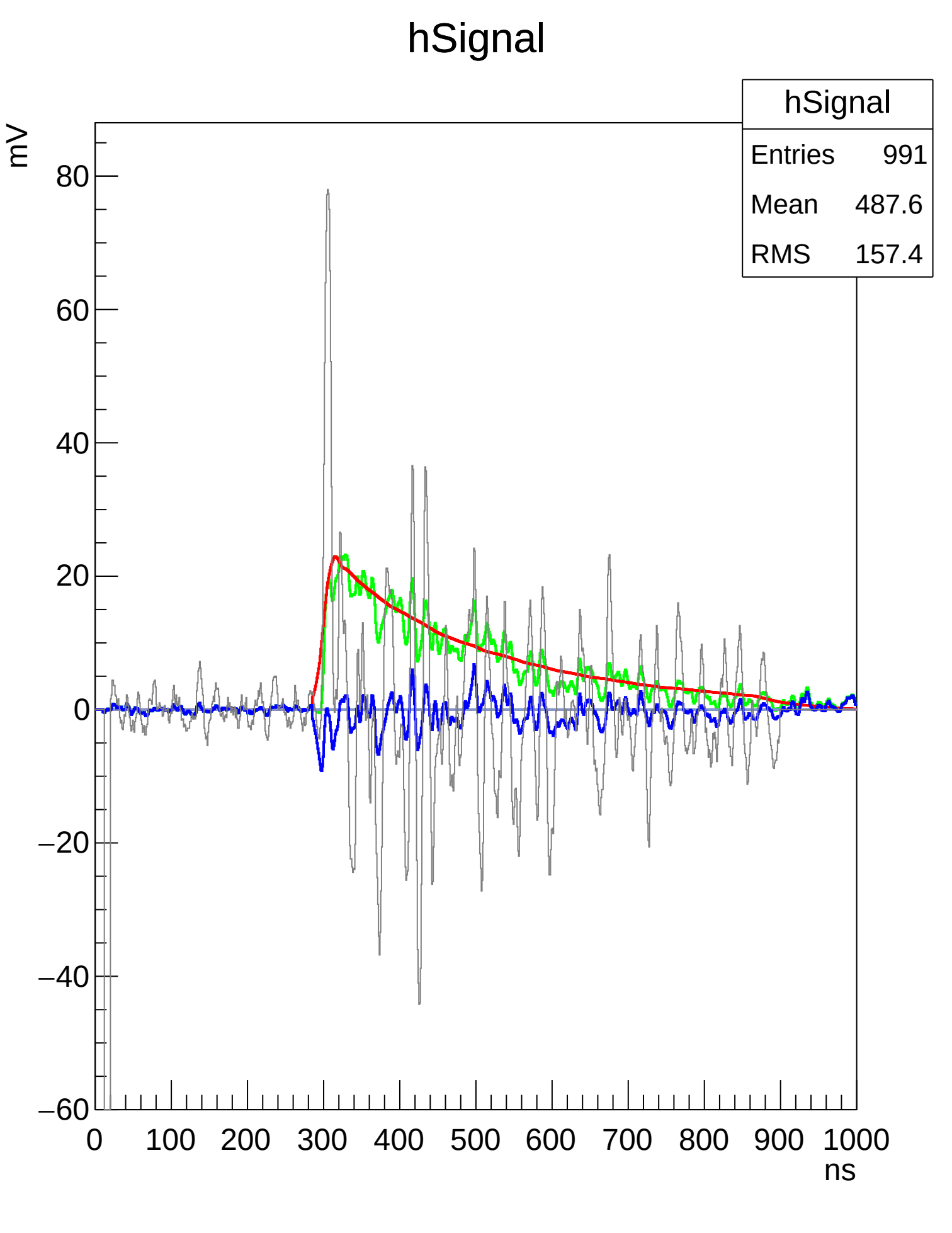
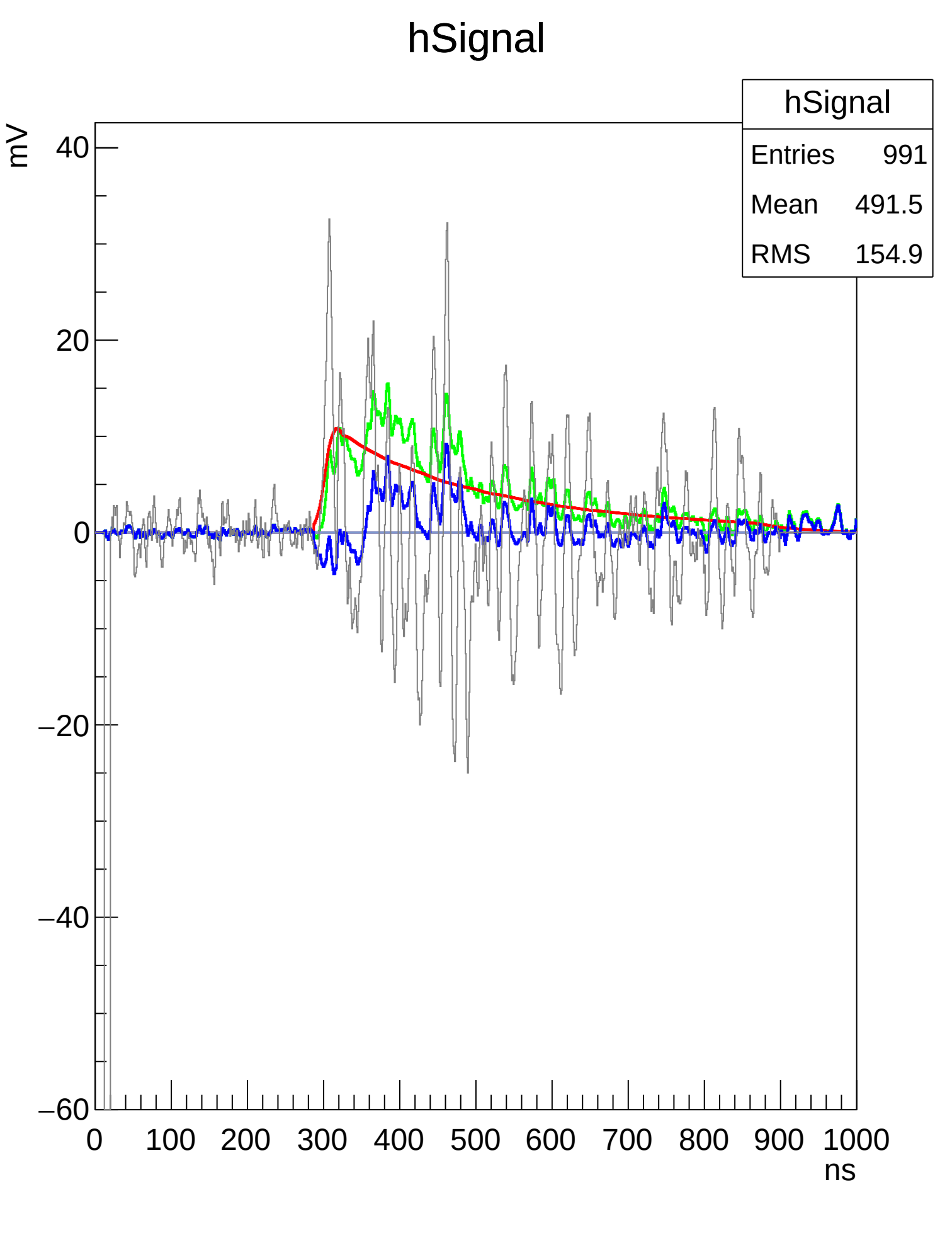
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 487.6
RMS 157.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.5
RMS 154.9
mV
40
20
0
−20
−40
−60
0
100
200
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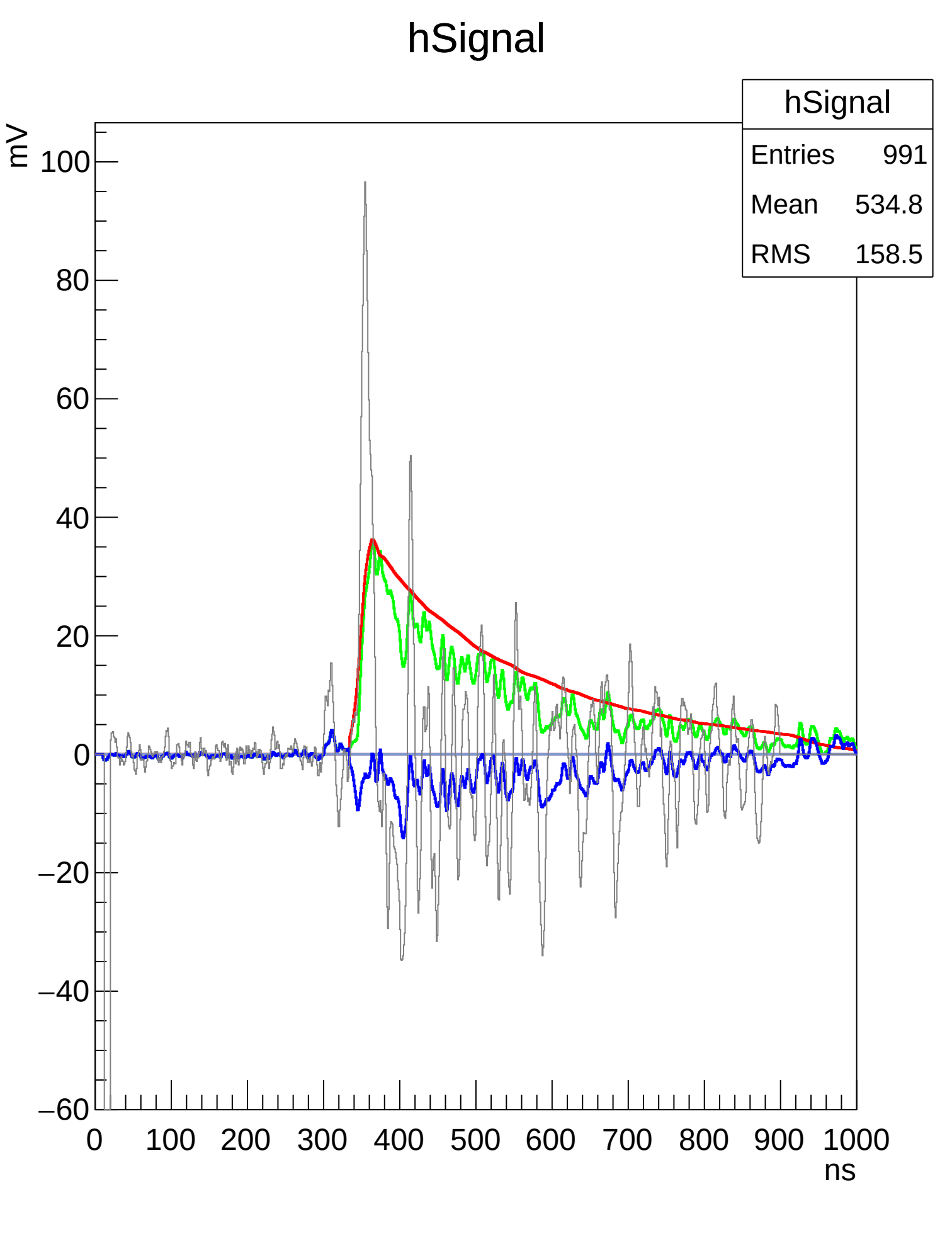
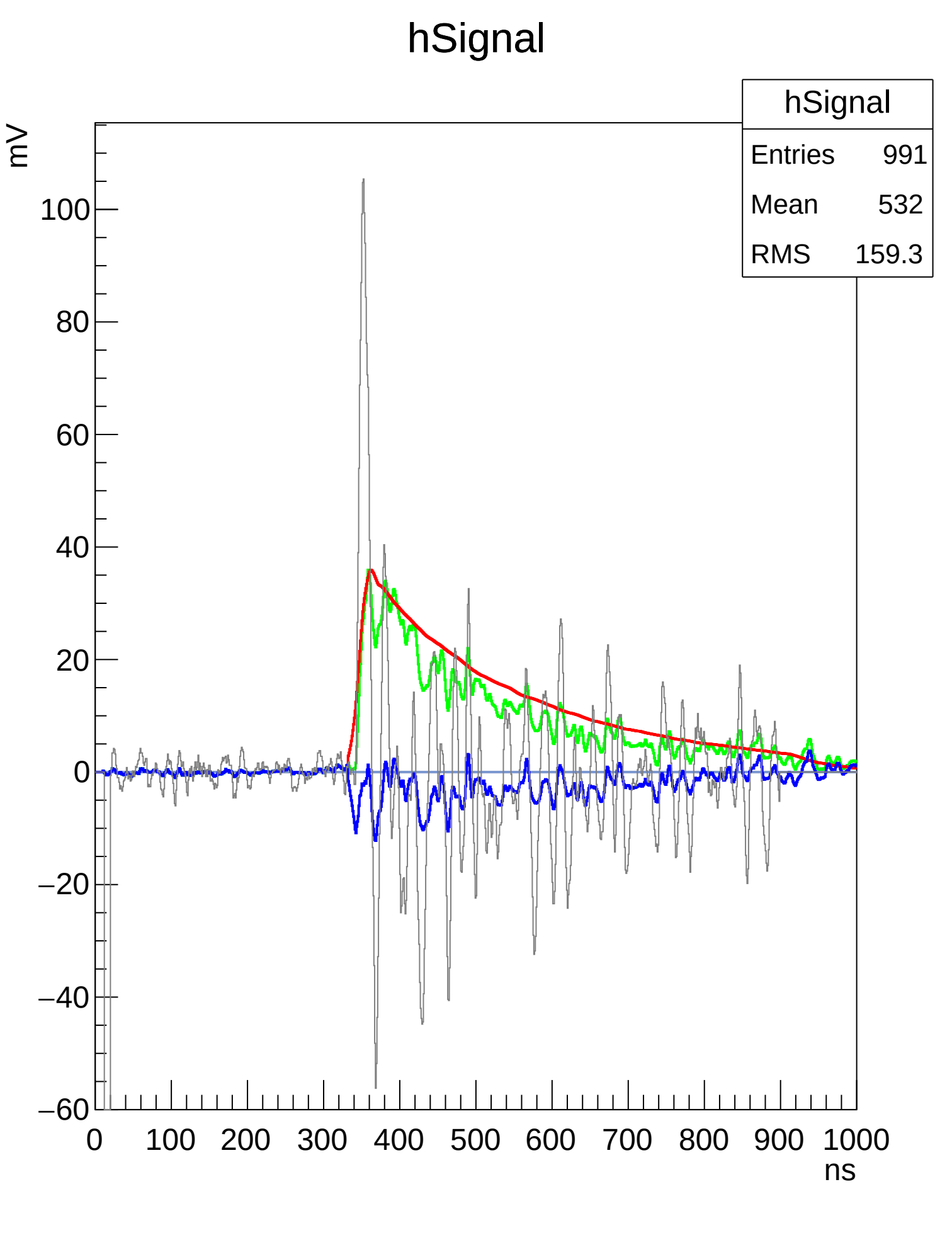
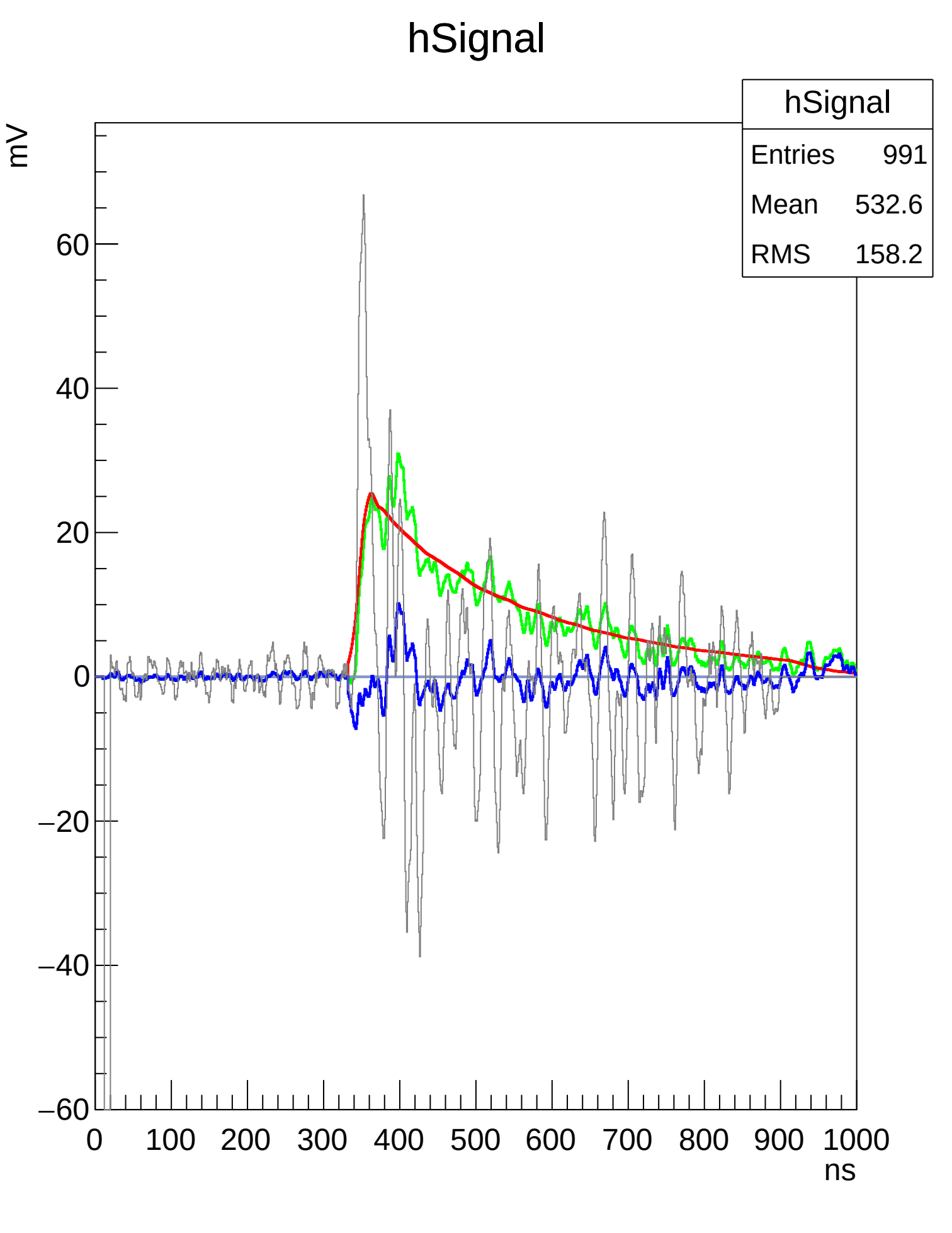
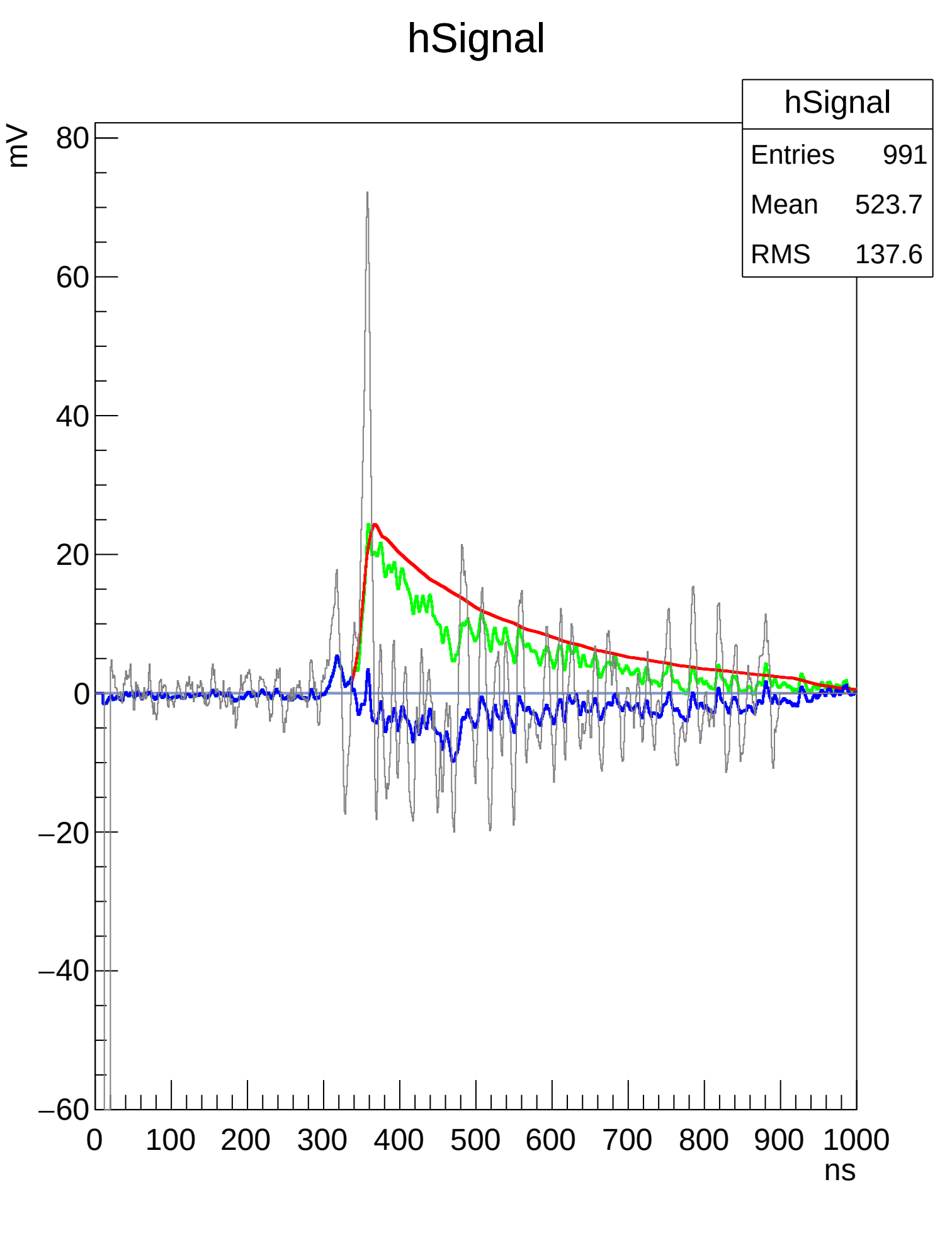
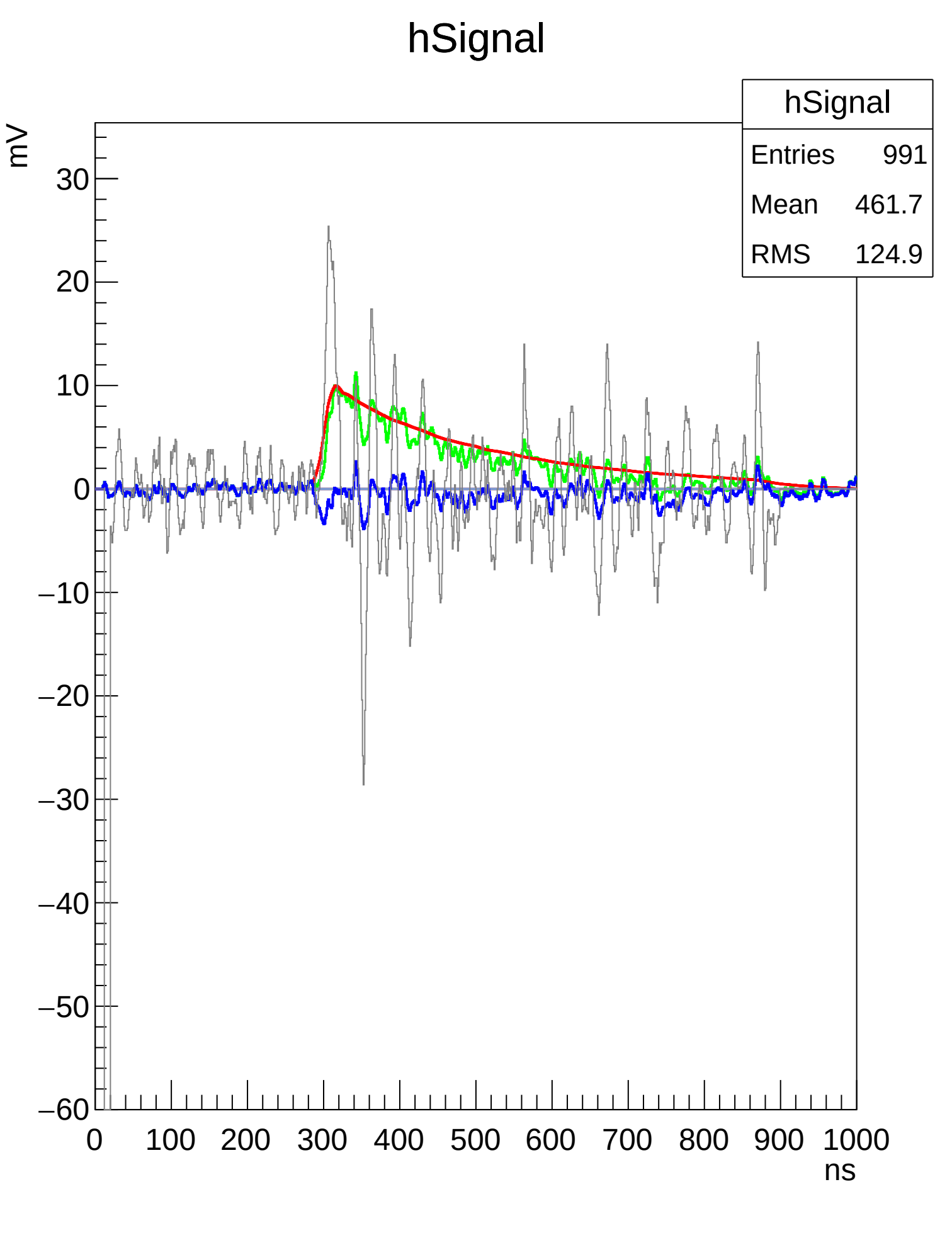
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.8
RMS 158.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532
RMS 159.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.6
RMS 158.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.7
RMS 137.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 461.7
RMS 124.9
mV
30
20
10
0
−10
−20
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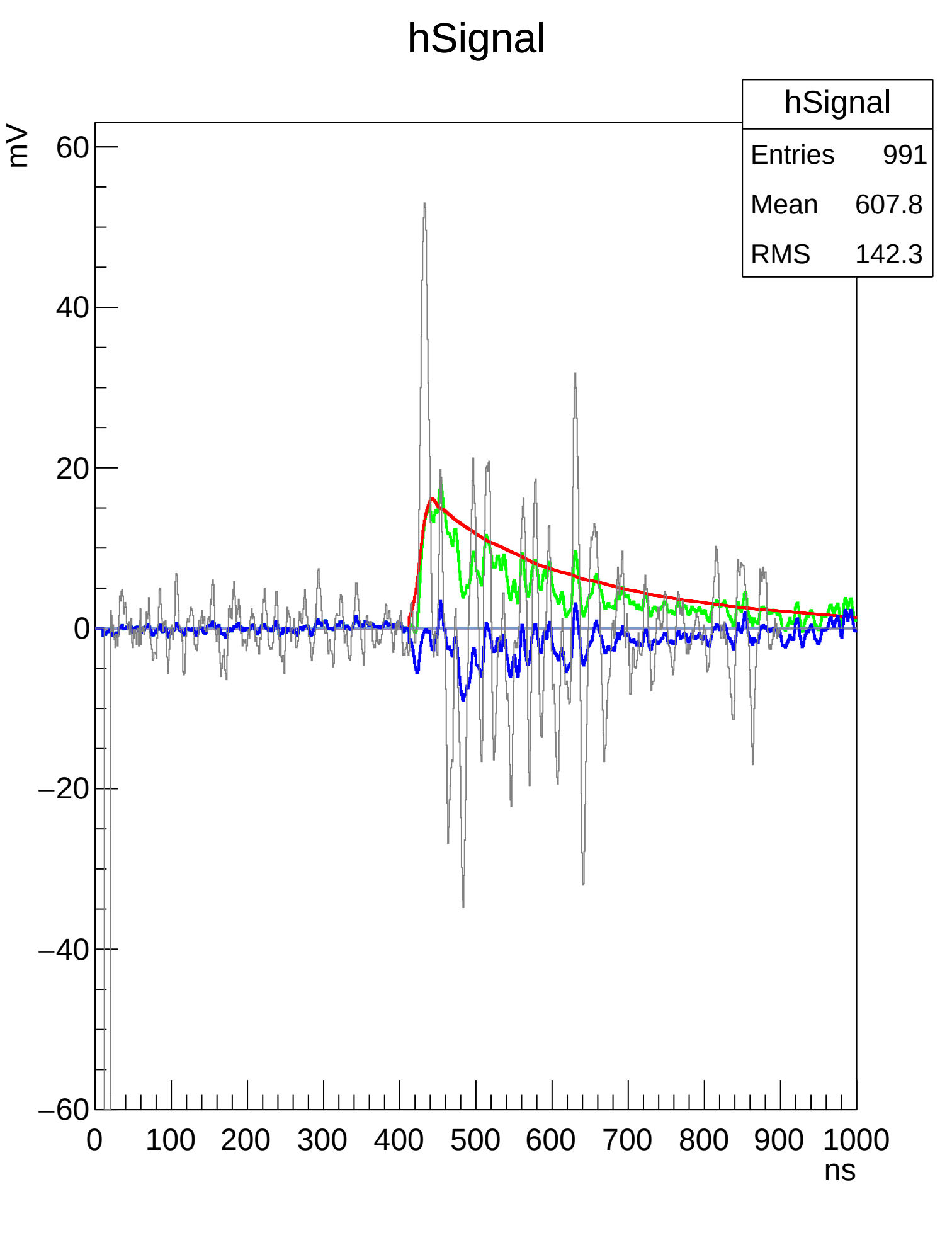
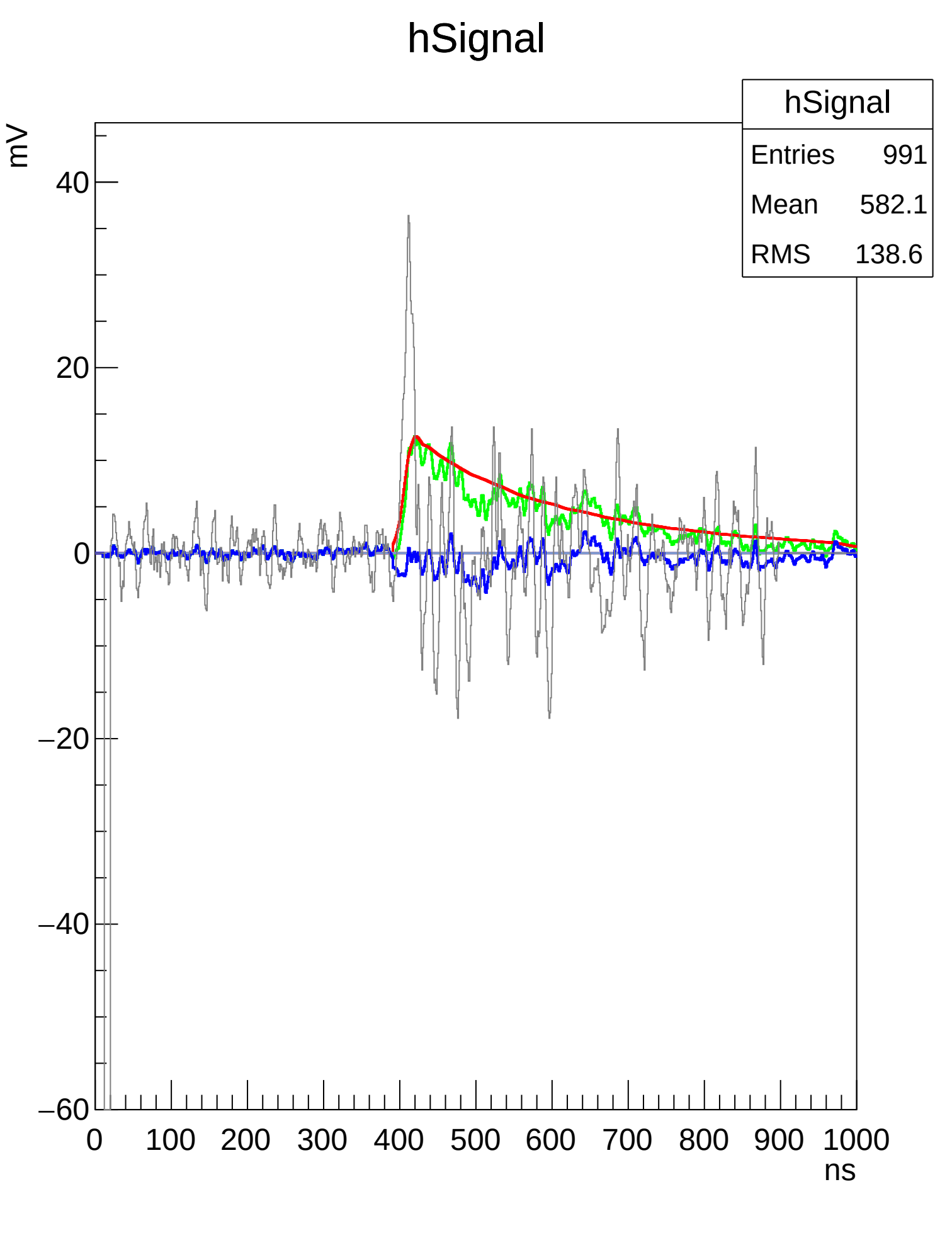
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.8
RMS 142.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.1
RMS 138.6
mV
40
20
0
−20
−40
−60
0
100
200
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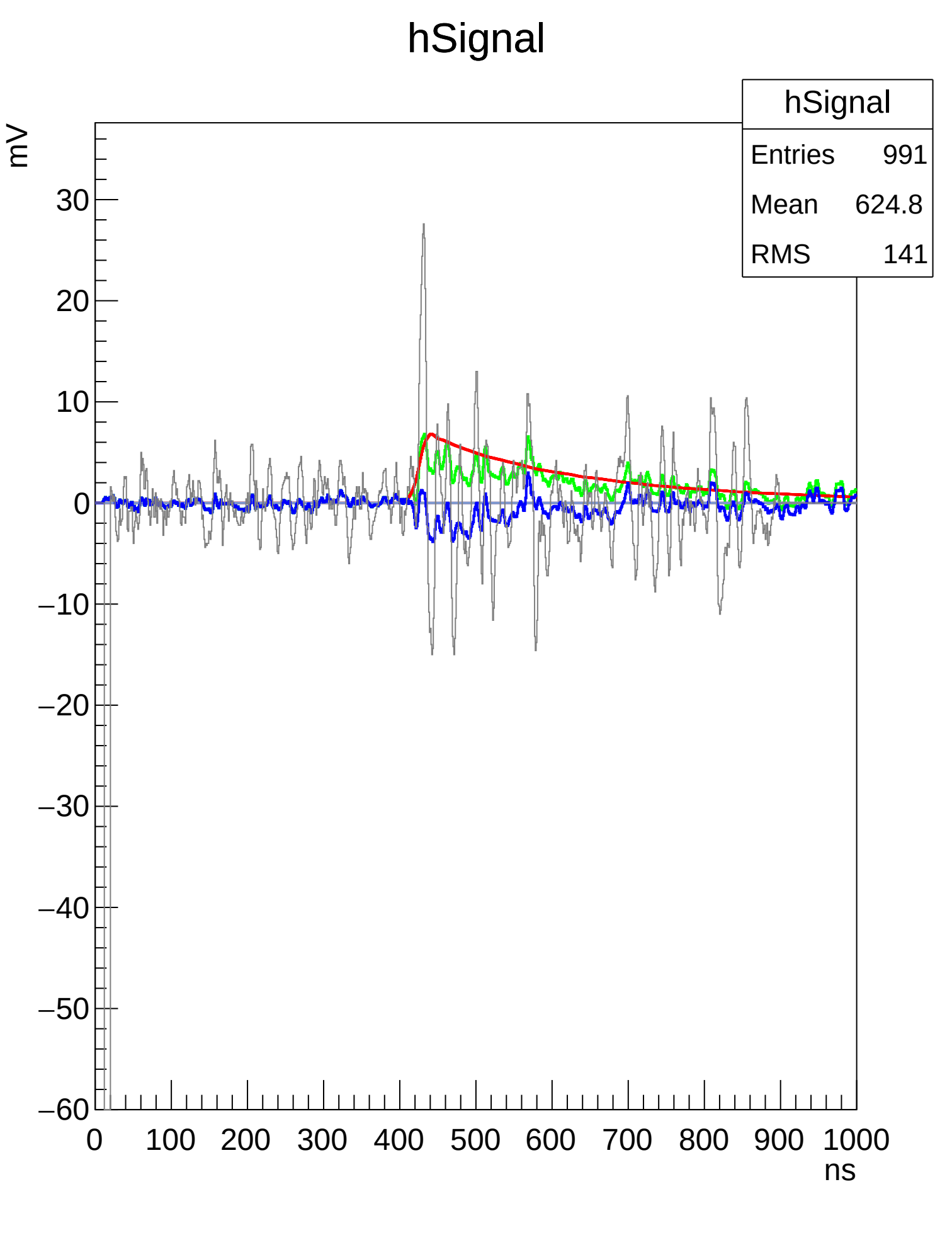
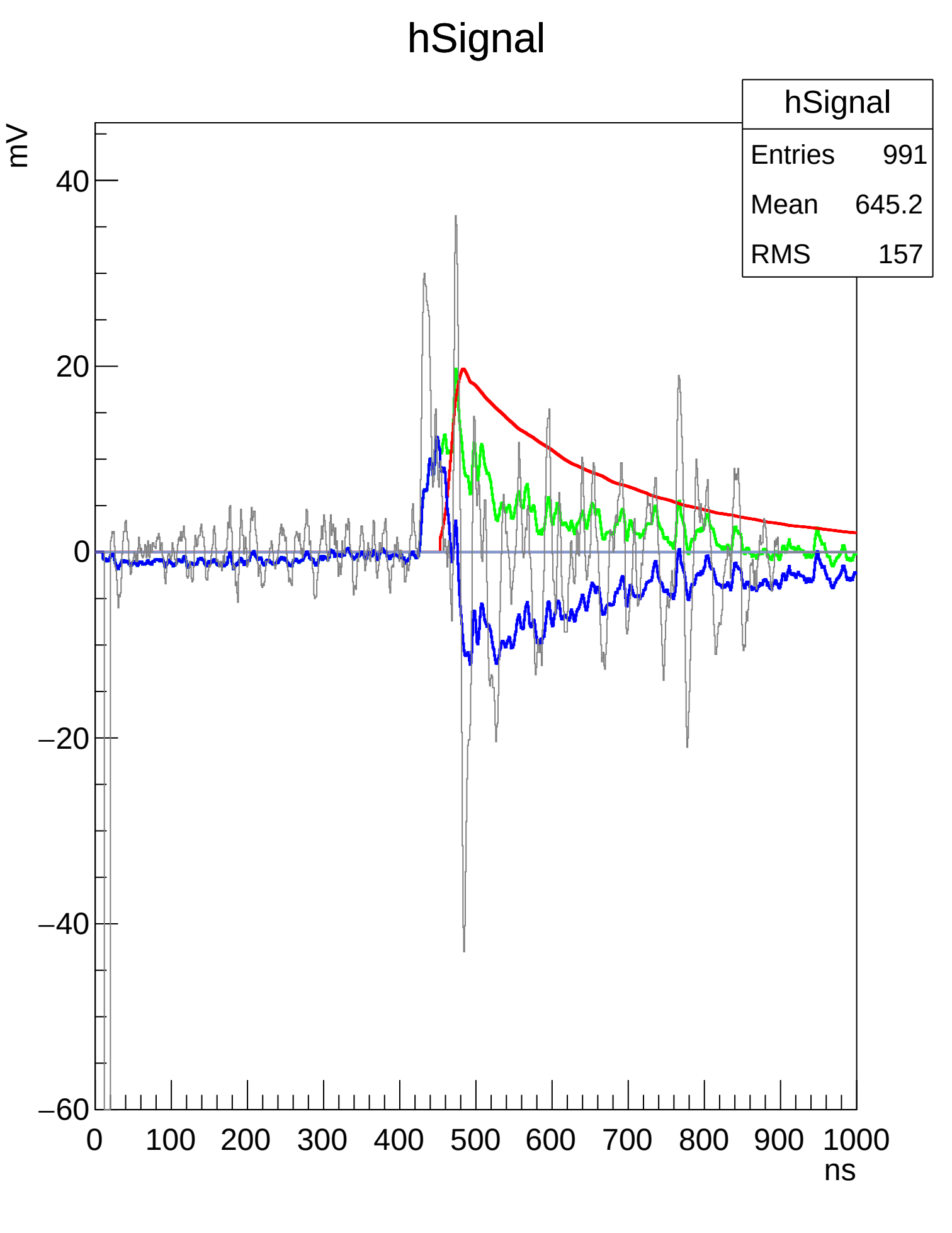
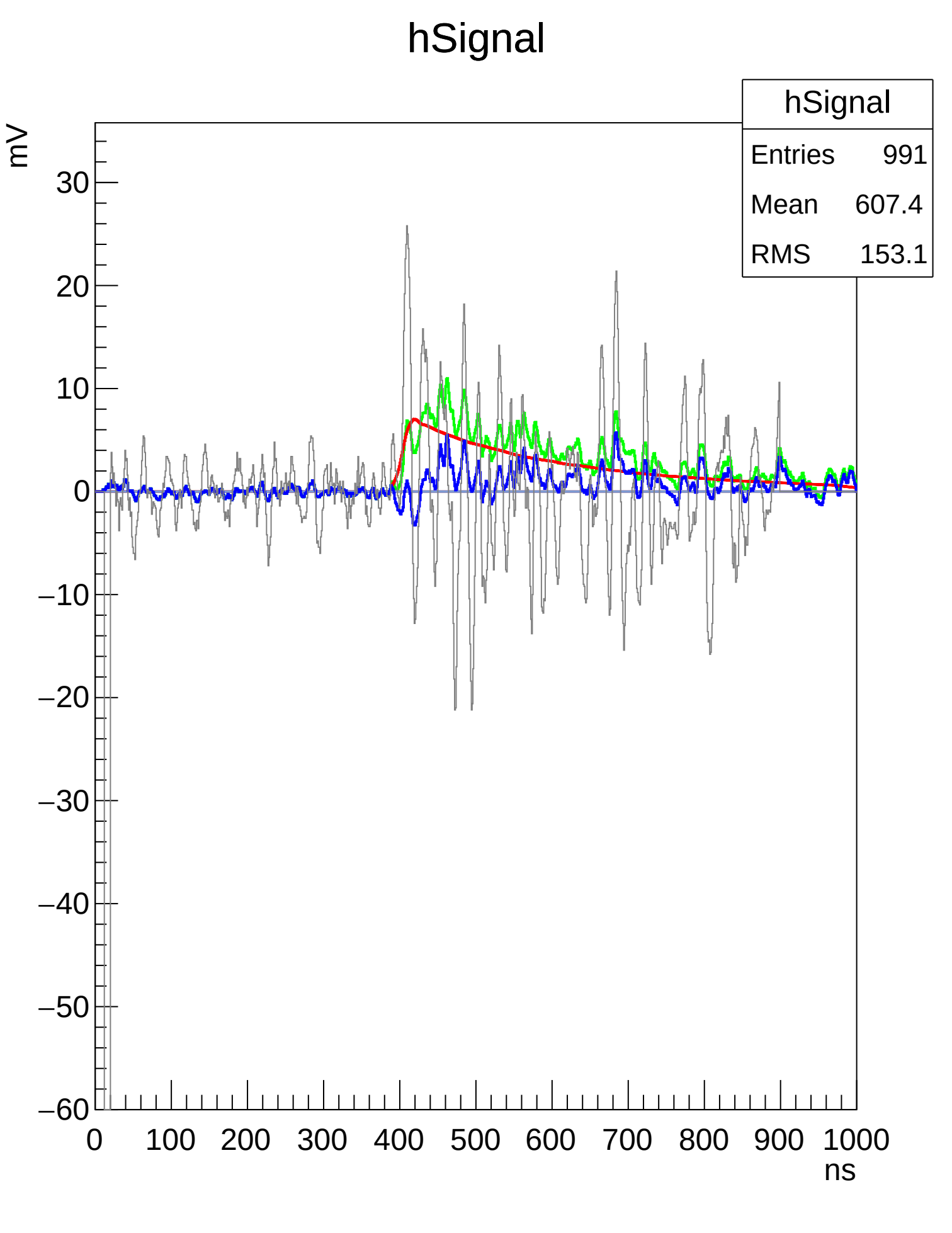
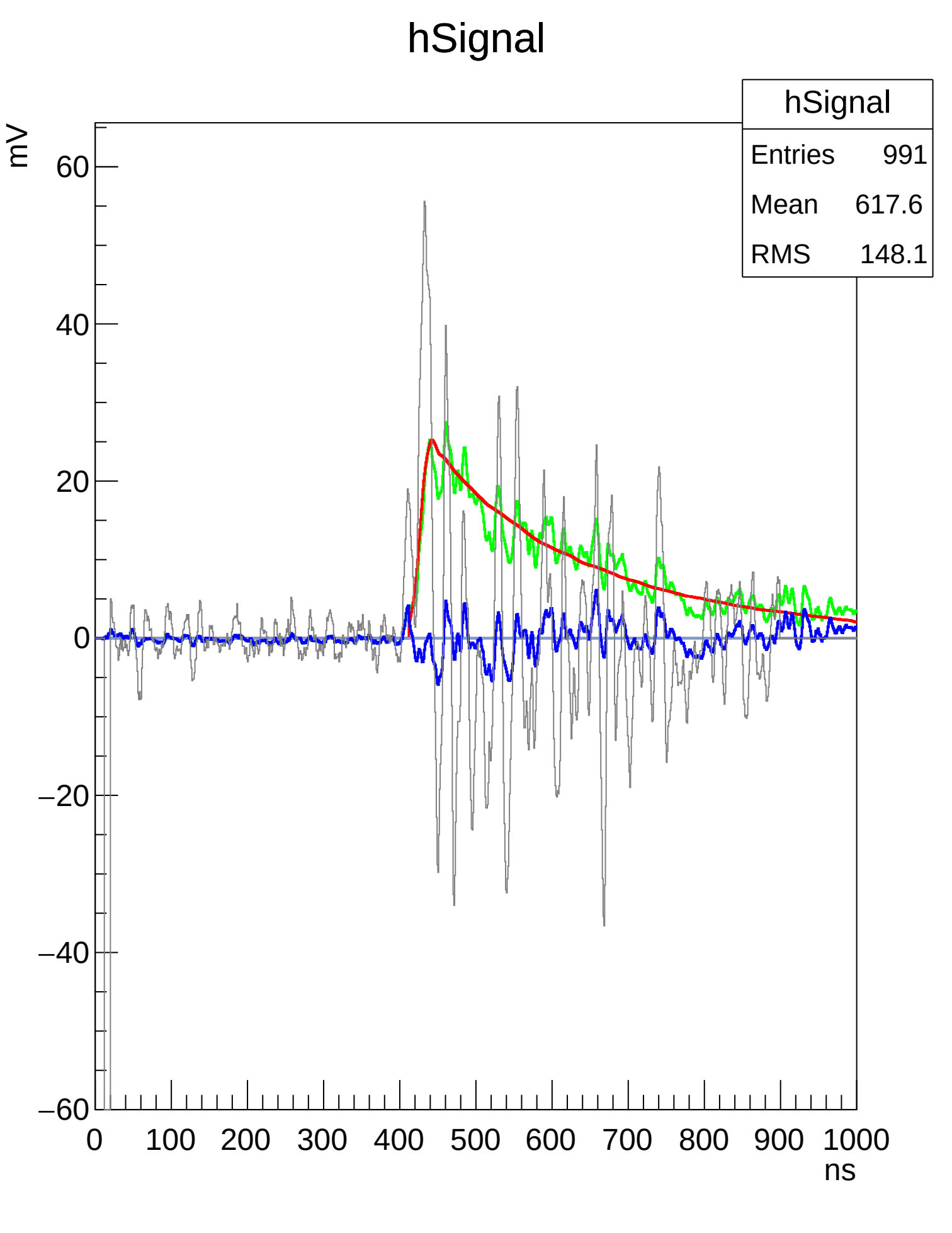
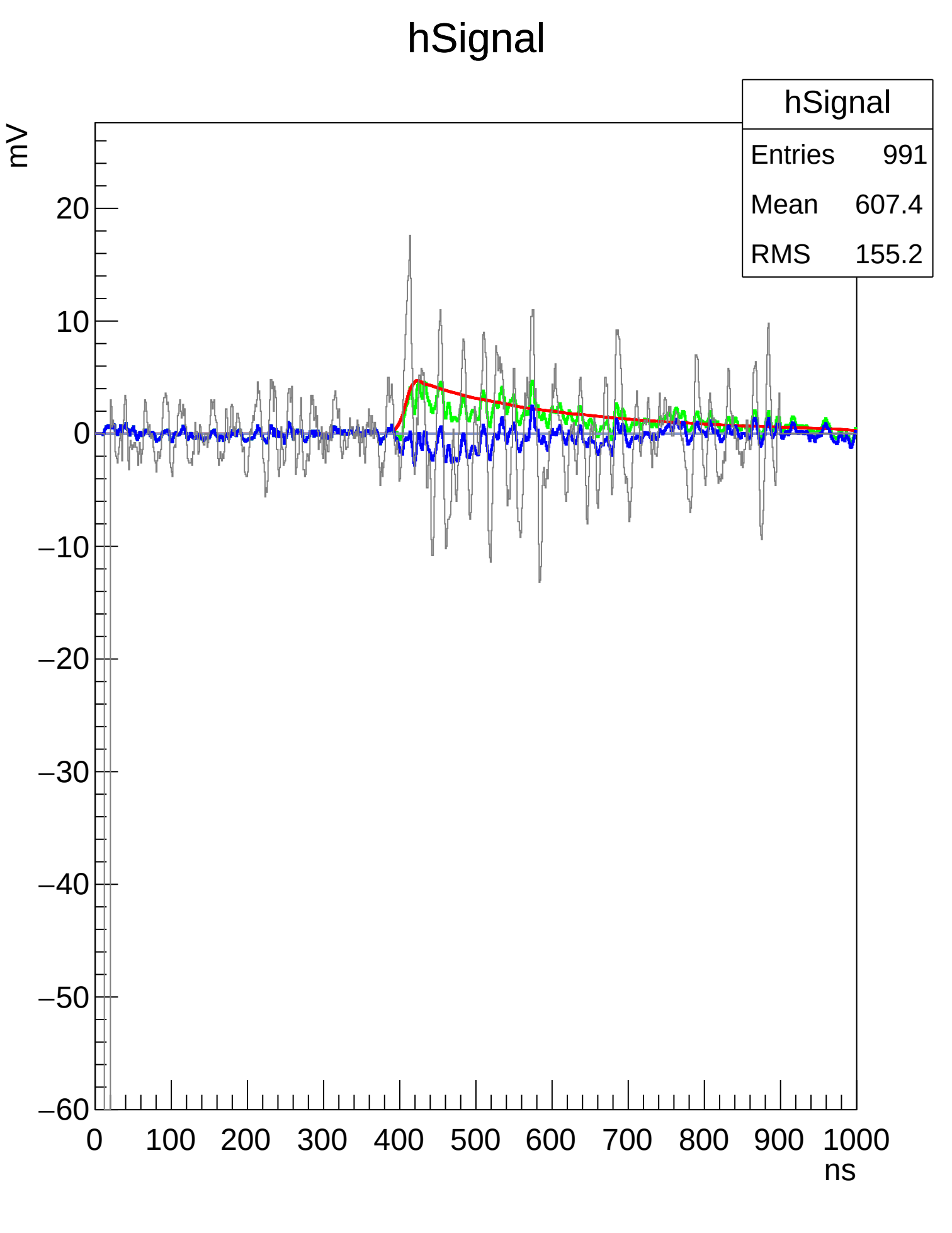
600
700
800
900
1000
ns

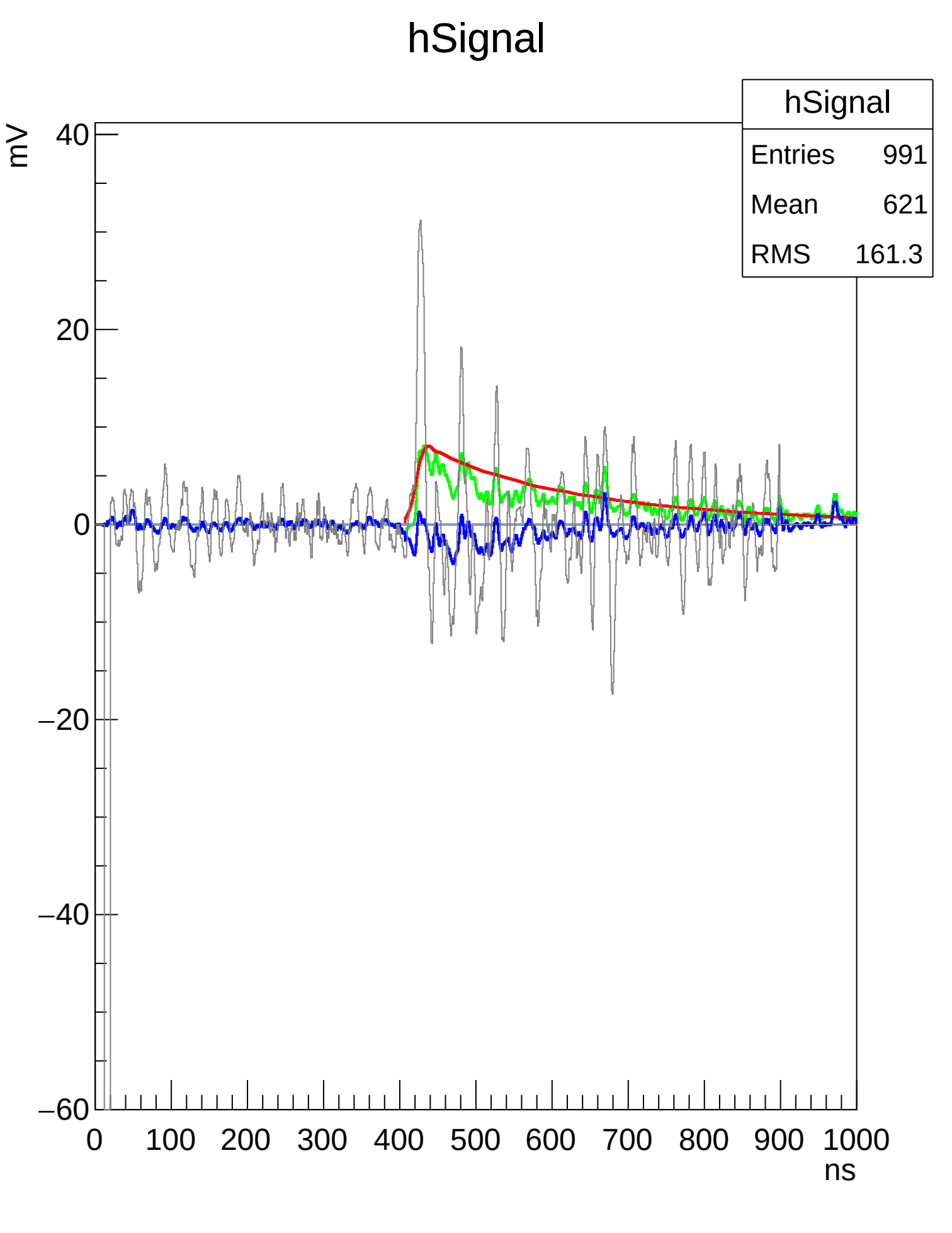

hSignal
hSignal
Entries 991
Mean 624.8
RMS 141
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 645.2
RMS 157
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.4
RMS 153.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.6
RMS 148.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.4
RMS 155.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621
RMS 161.3
mV
40
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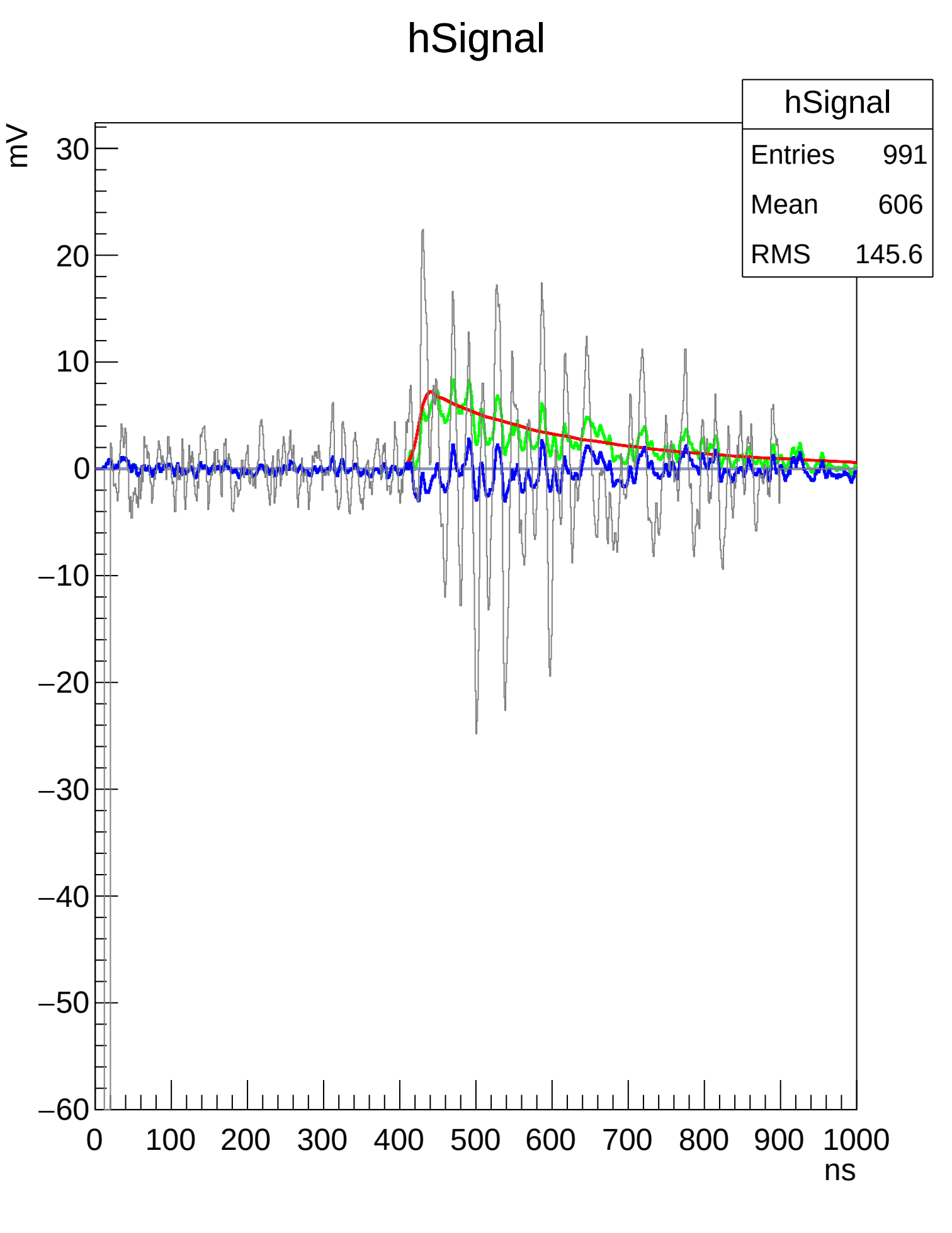
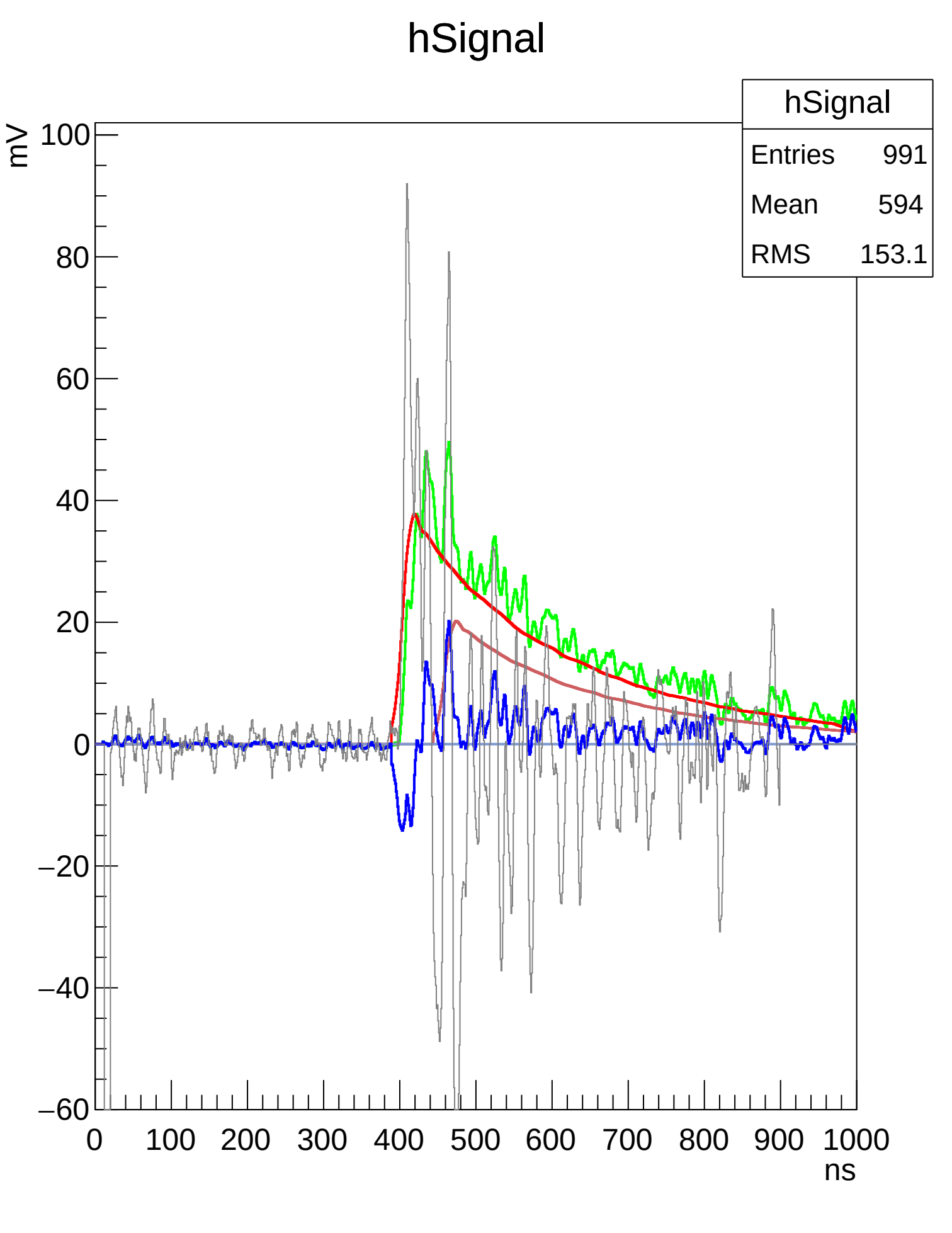
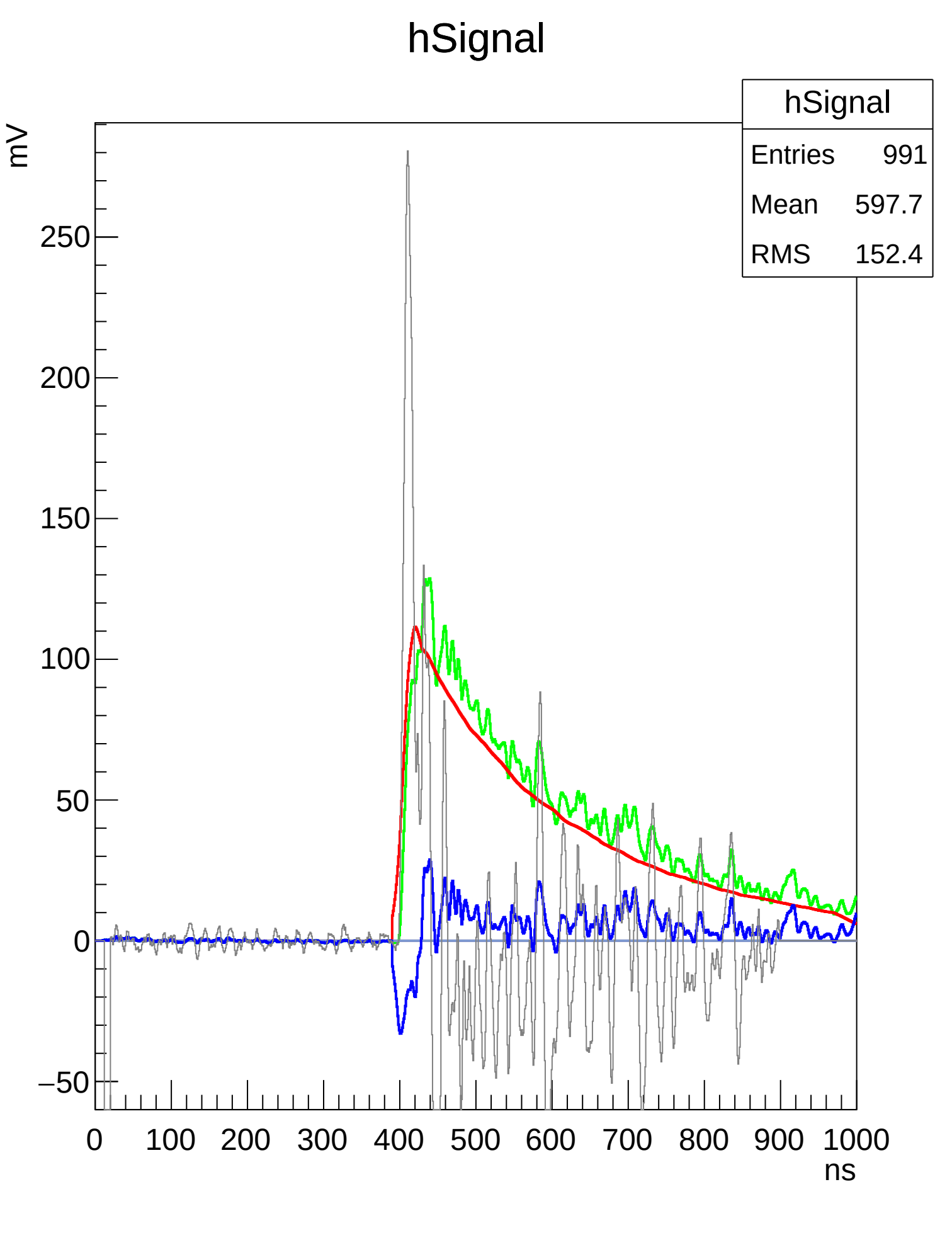
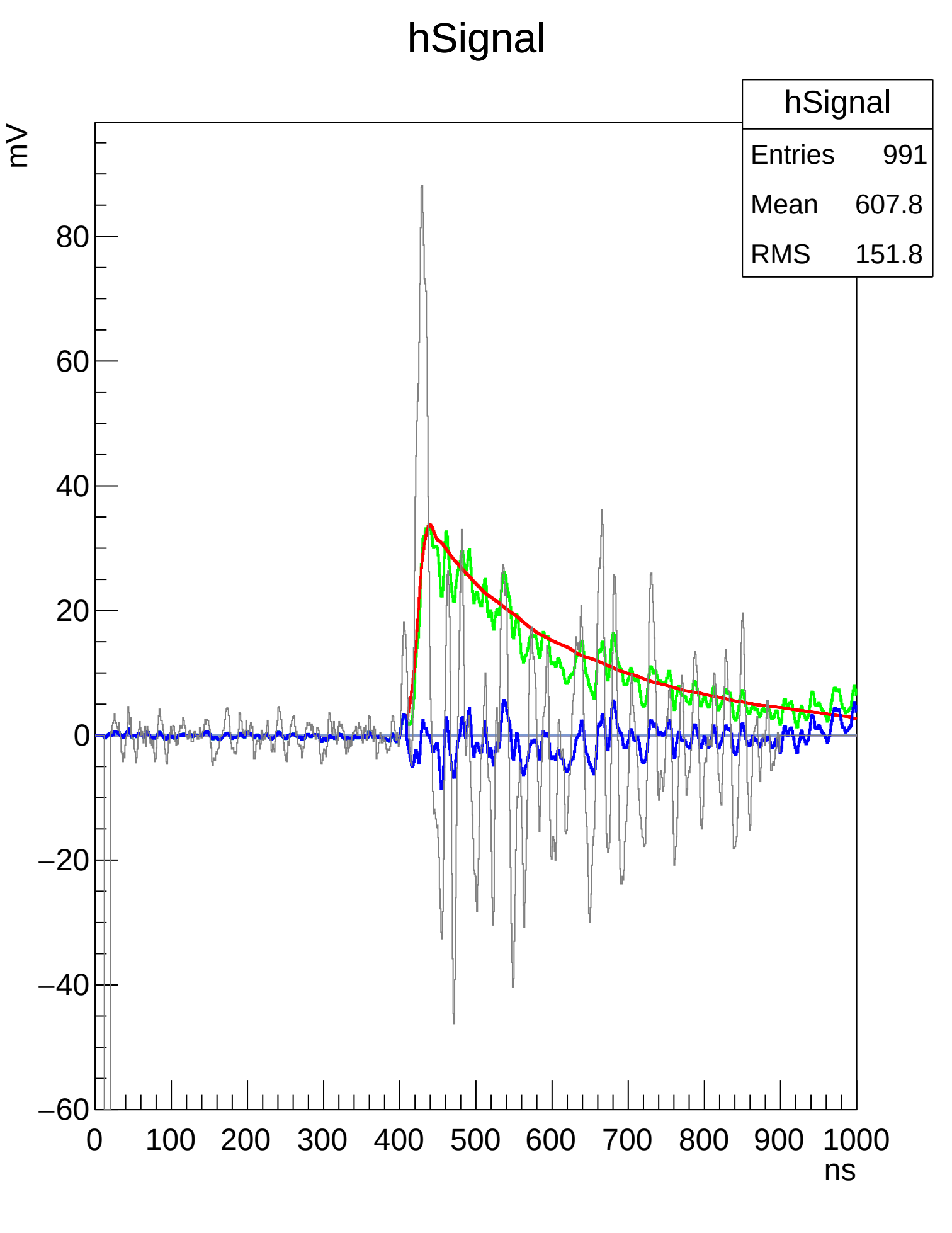
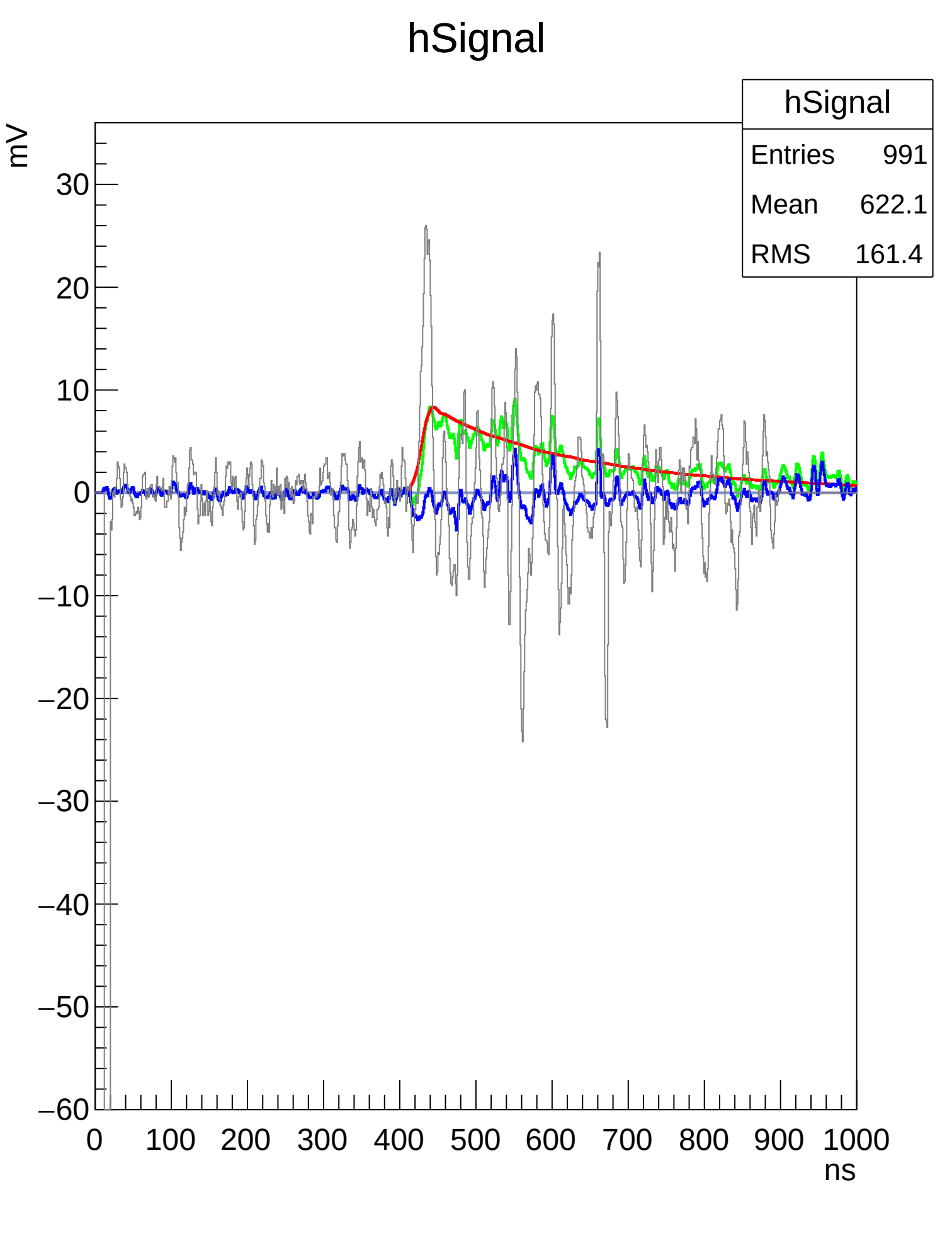
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606
RMS 145.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594
RMS 153.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 152.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.8
RMS 151.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.1
RMS 161.4
mV
30
20
10
0
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−20
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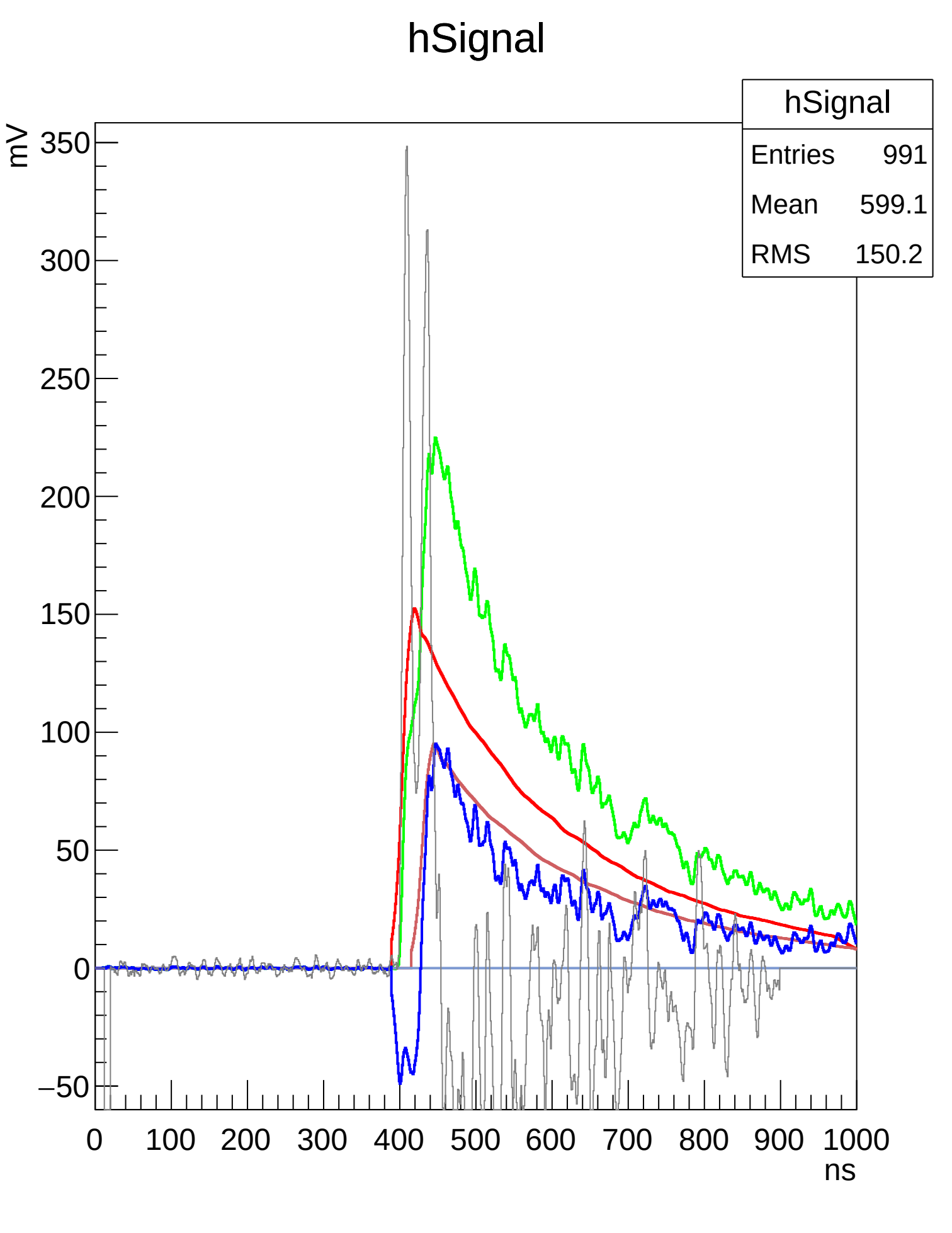
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 150.2
mV
350
300
250
200
150
100
50
0
−50
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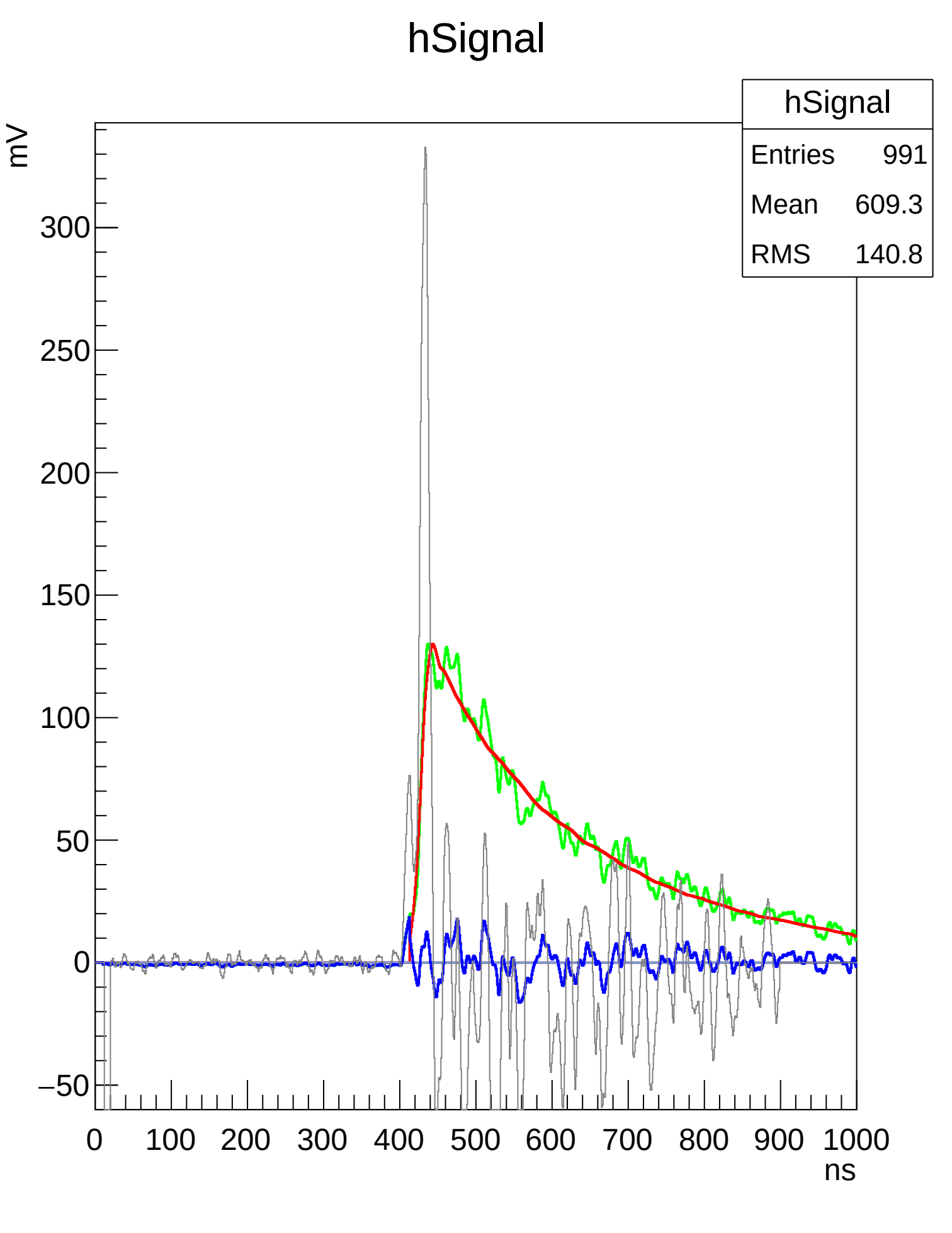
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.3
RMS 140.8
mV
300
250
200
150
100
50
0
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0
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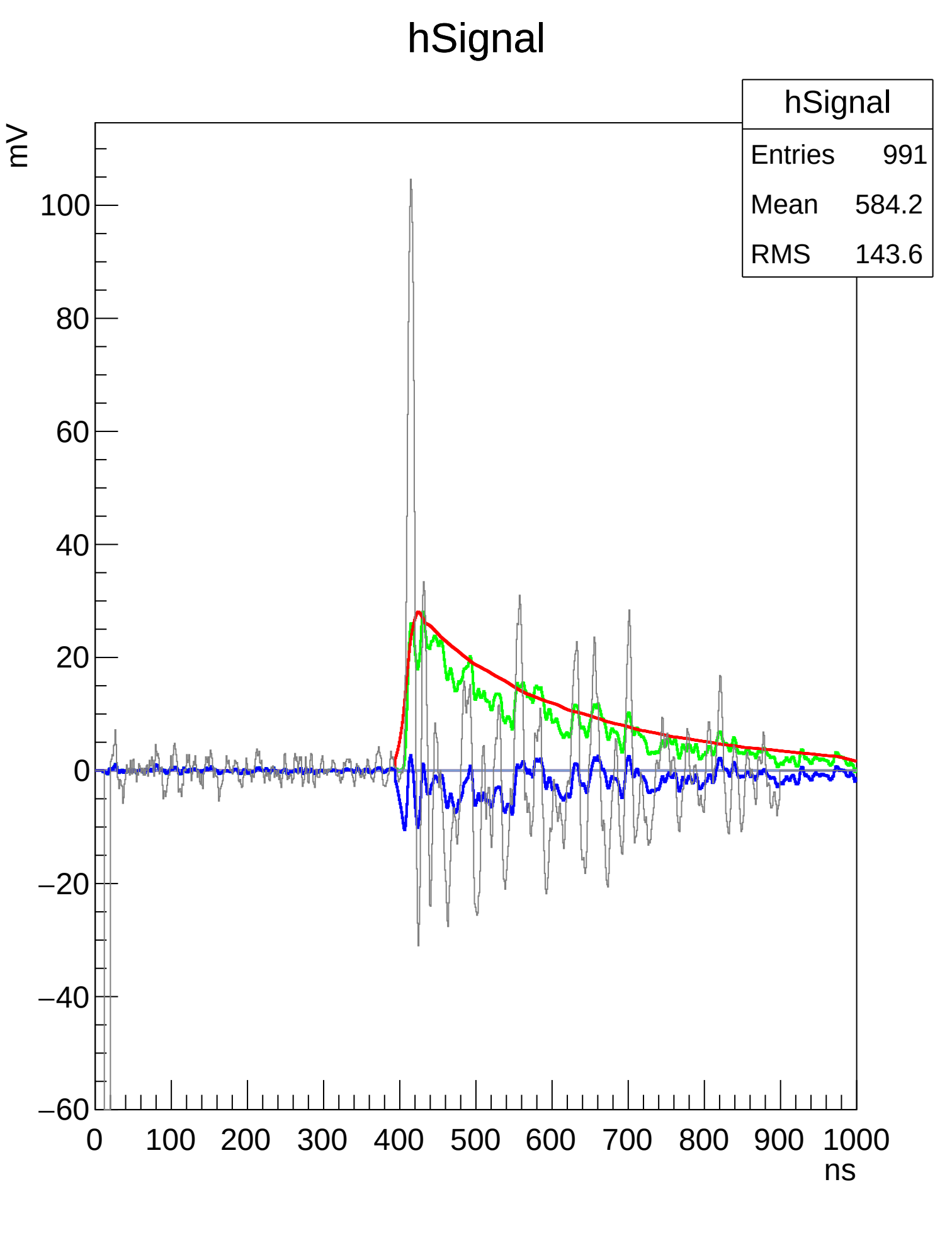
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.2
RMS 143.6
mV
100
80
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0
100
200
300
400
500
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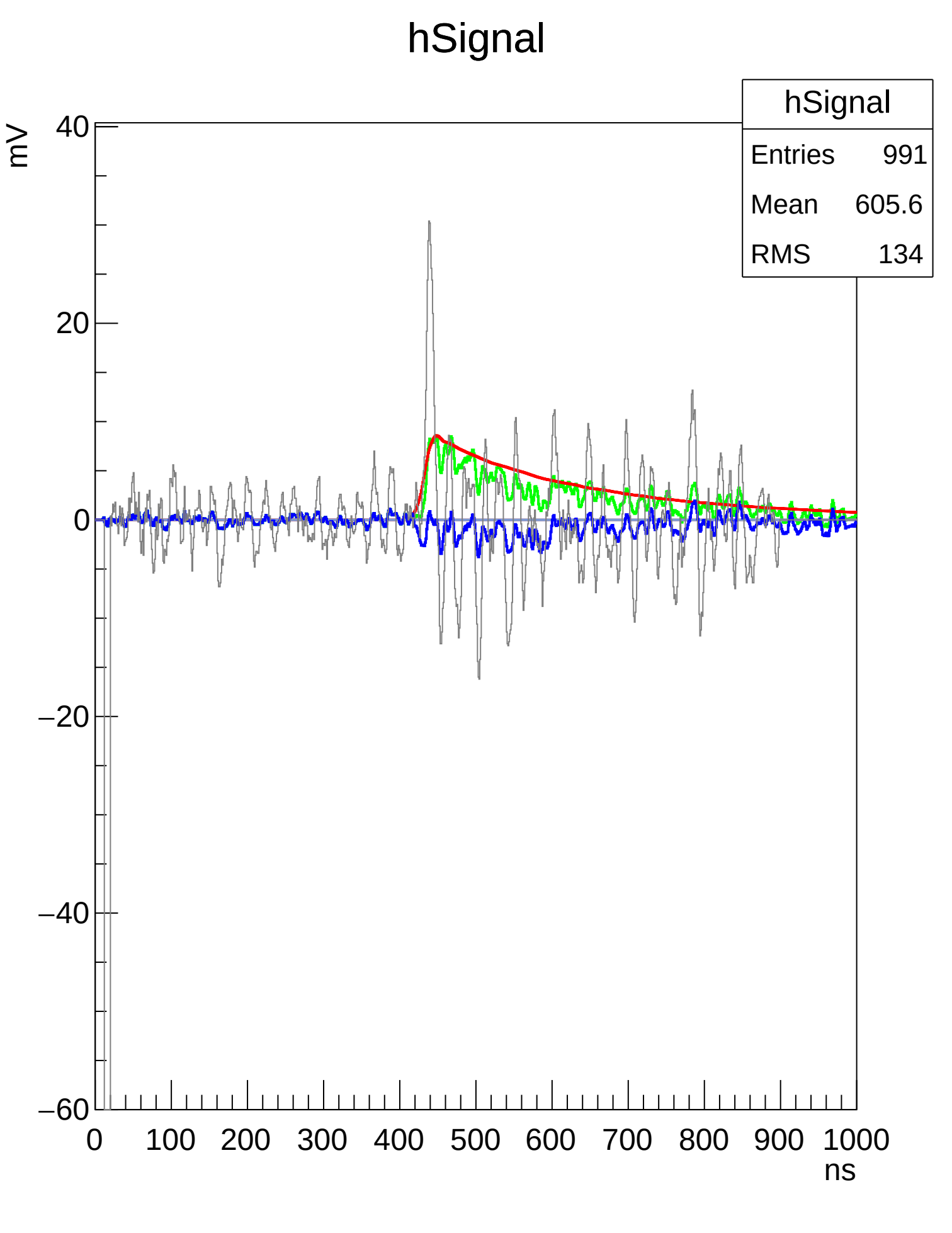
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.6
RMS 134
mV
40
20
0
−20
−40
−60
0
100
200
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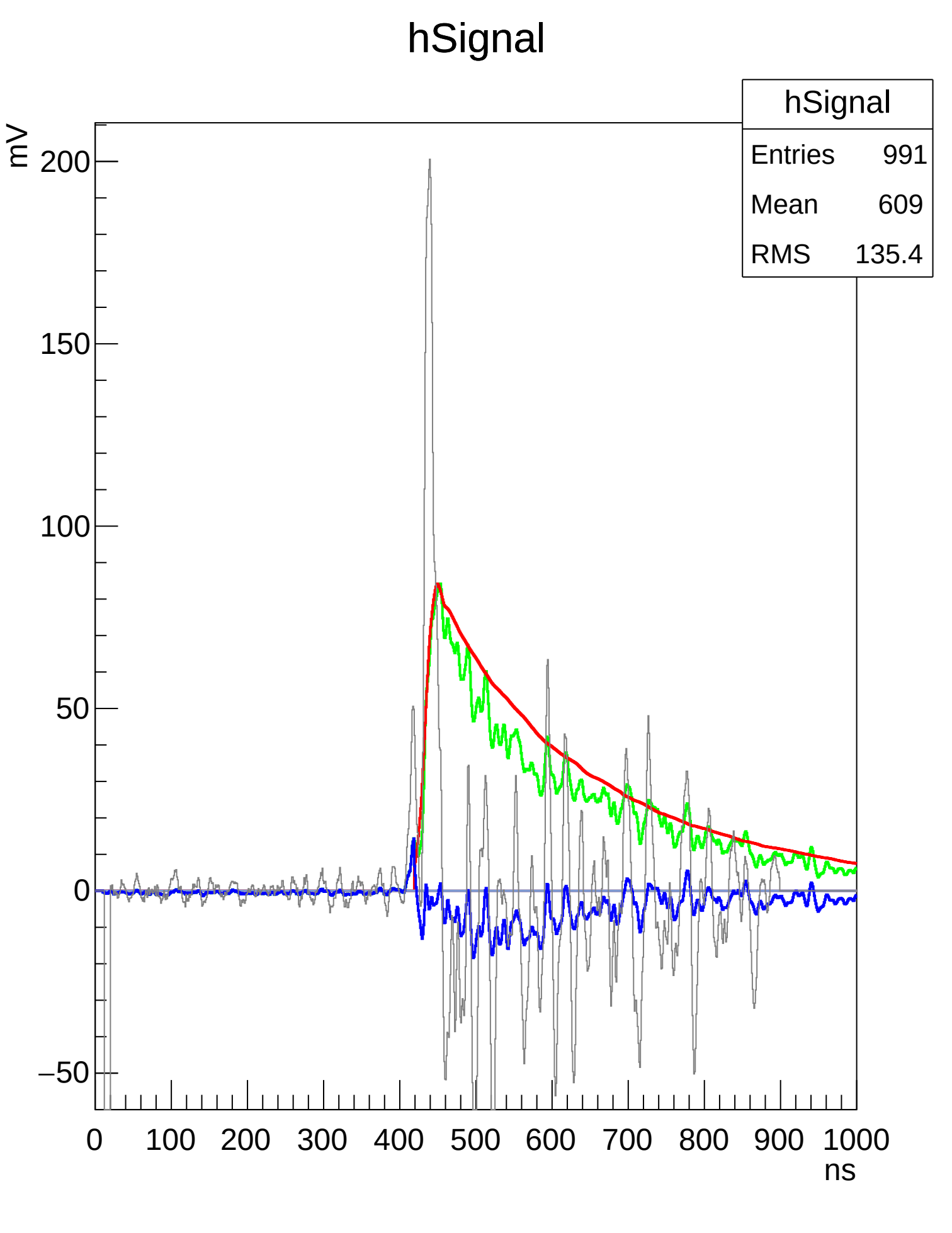
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609
RMS 135.4
mV
200
150
100
50
0
−50
0
100
200
300
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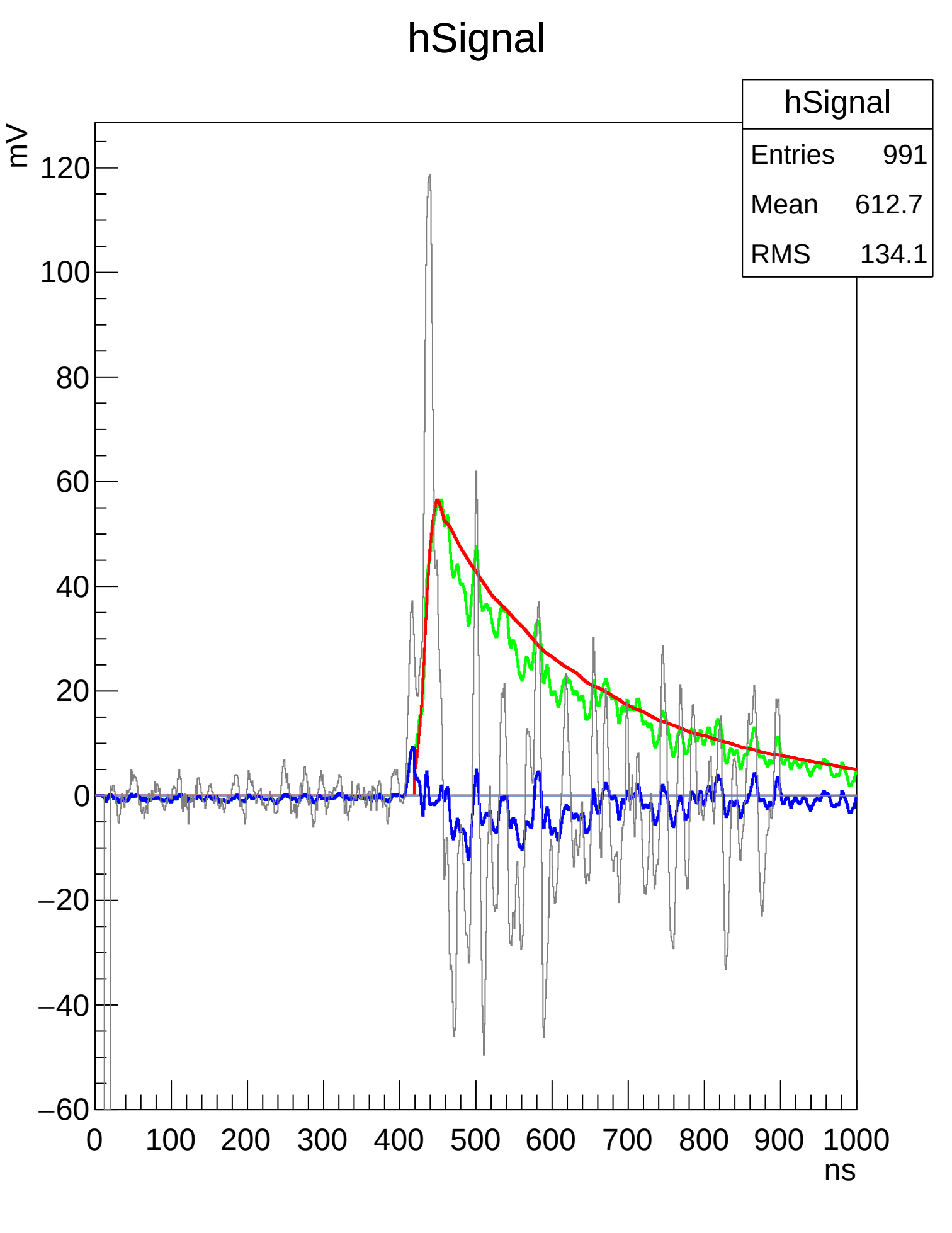
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.7
RMS 134.1
mV
120
100
80
60
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−20
−40
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0
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200
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400
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800
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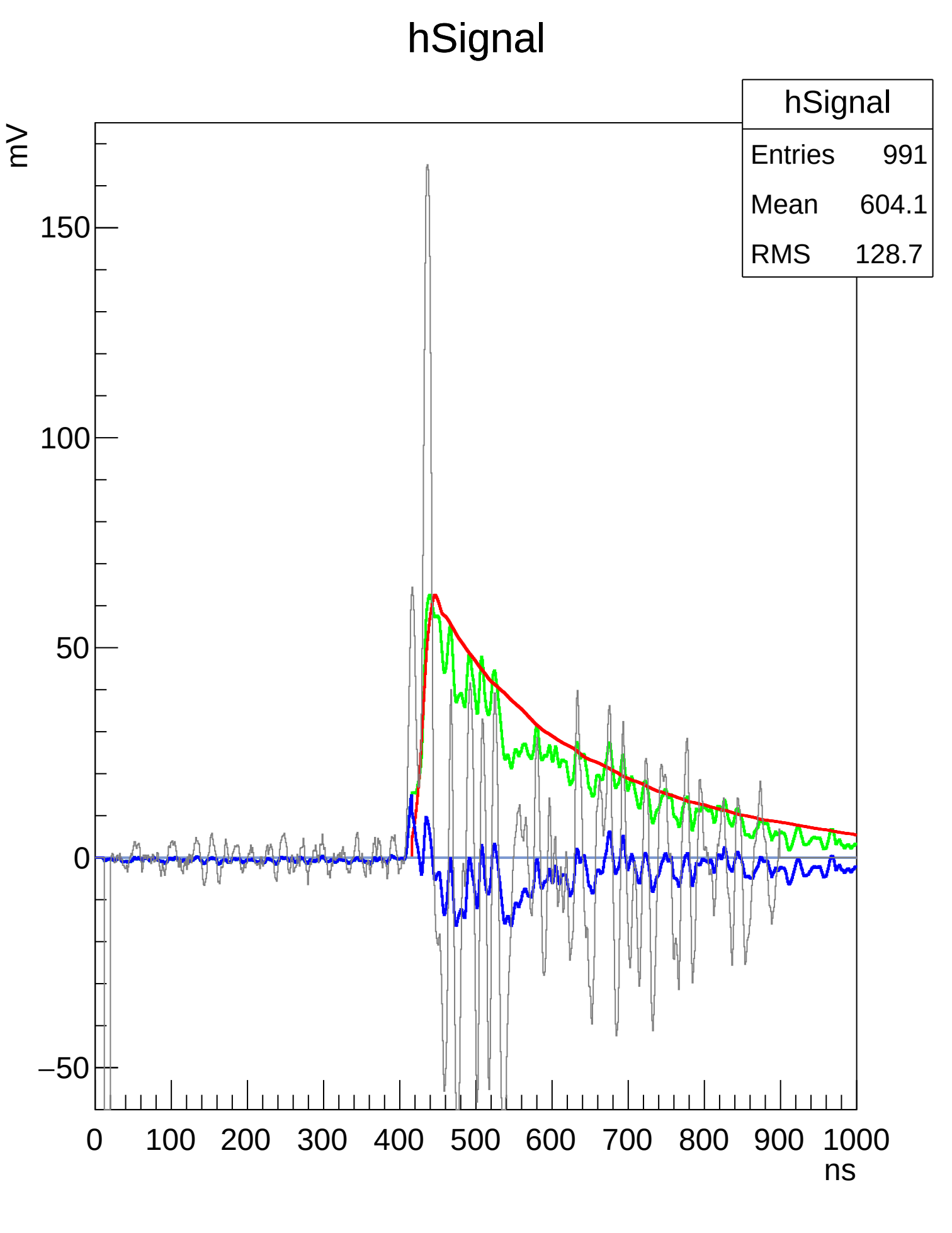
1000
ns


hSignal
hSignal
Entries 991
Mean 604.1
RMS 128.7
mV
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100
50
0
−50
0
100
200
300
400
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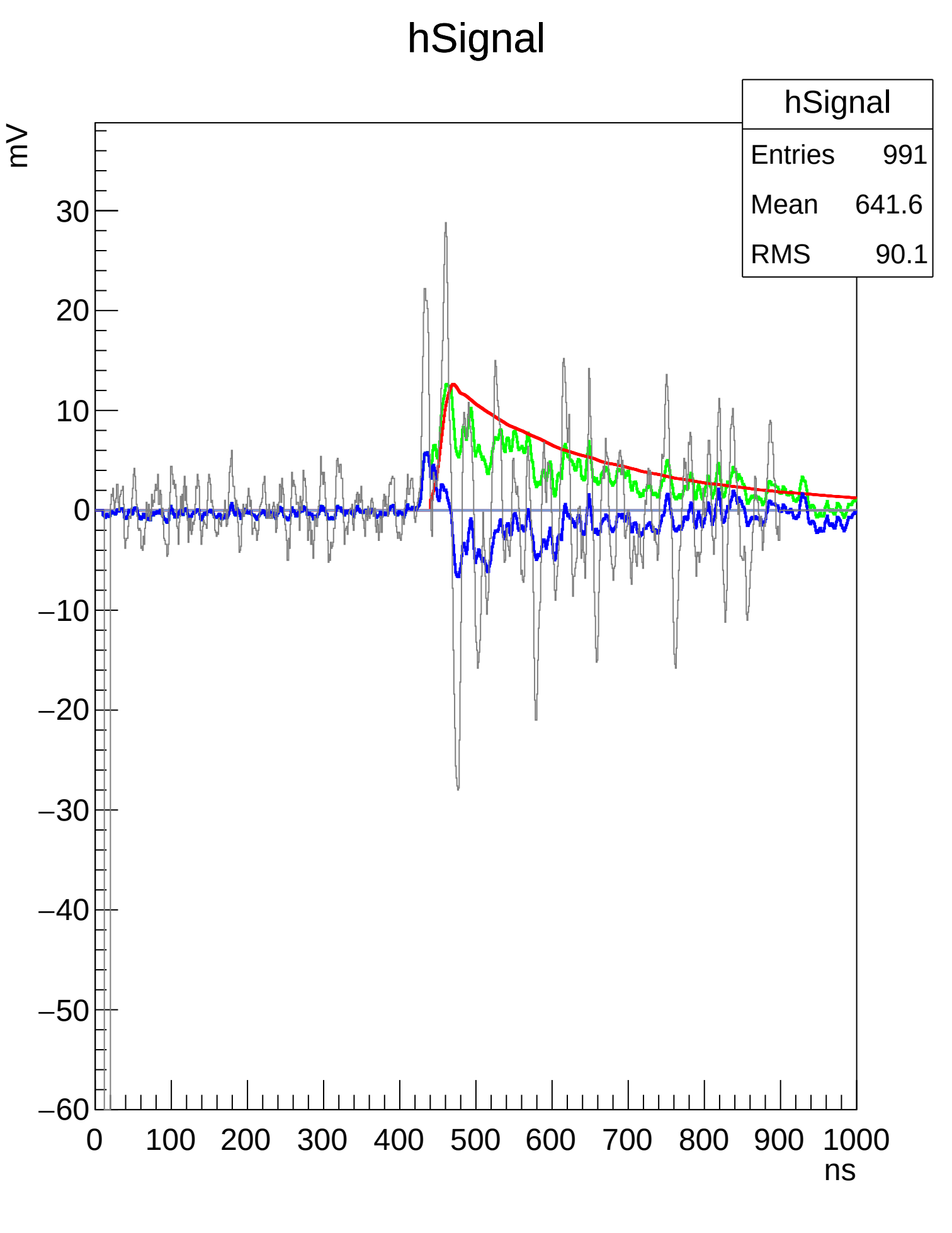
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 641.6
RMS 90.1
mV
30
20
10
0
−10
−20
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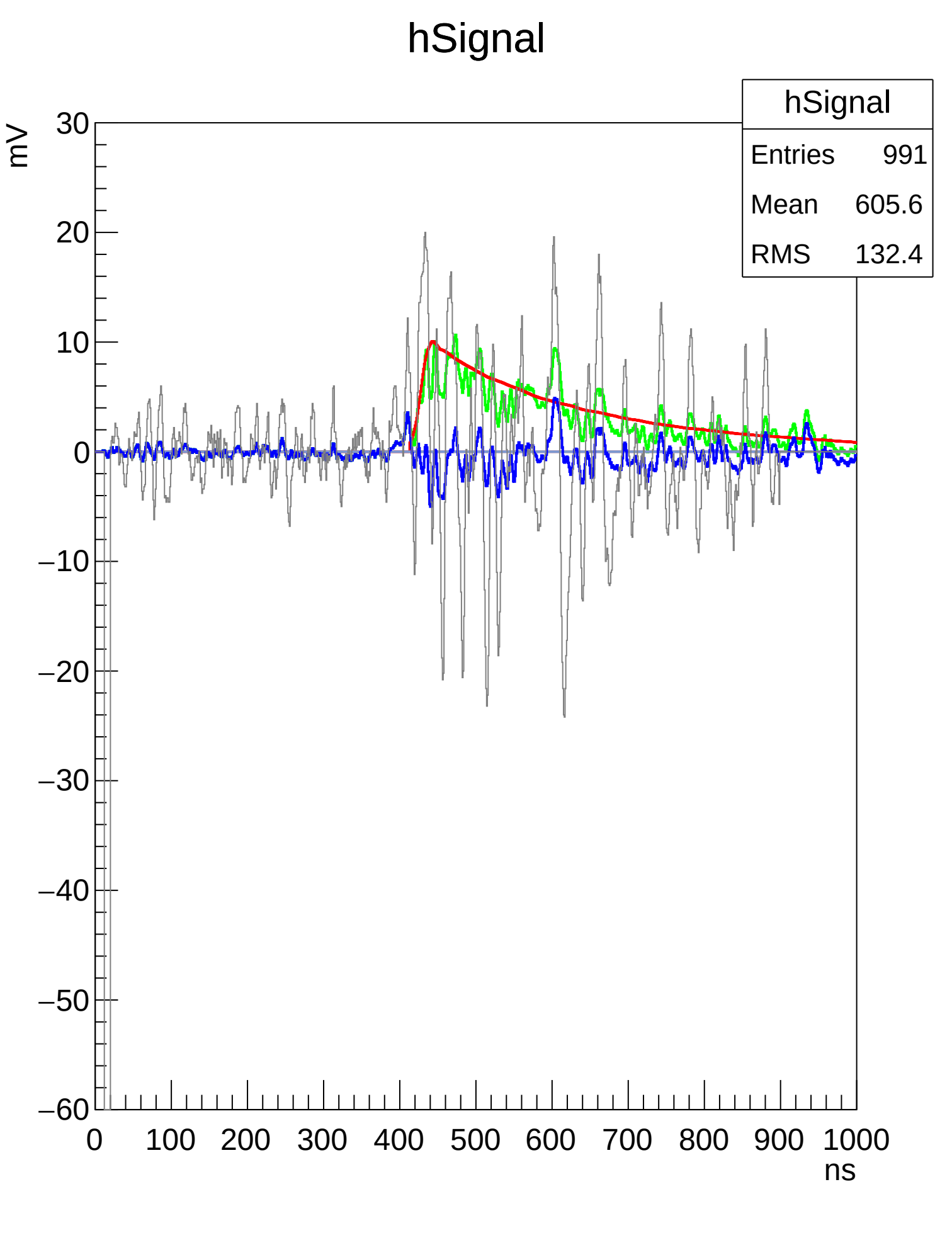
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.6
RMS 132.4
mV
30
20
10
0
−10
−20
−30
−40
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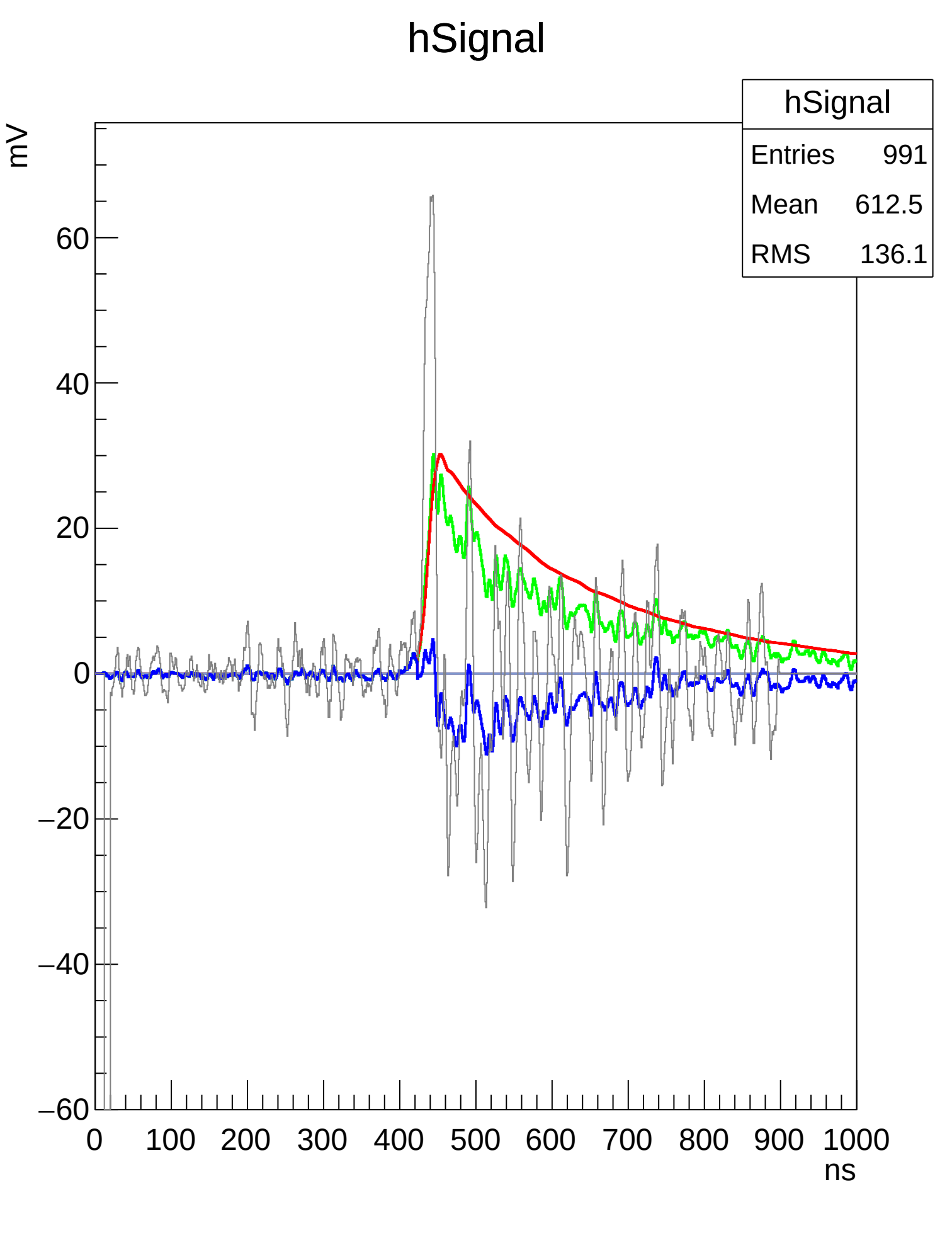
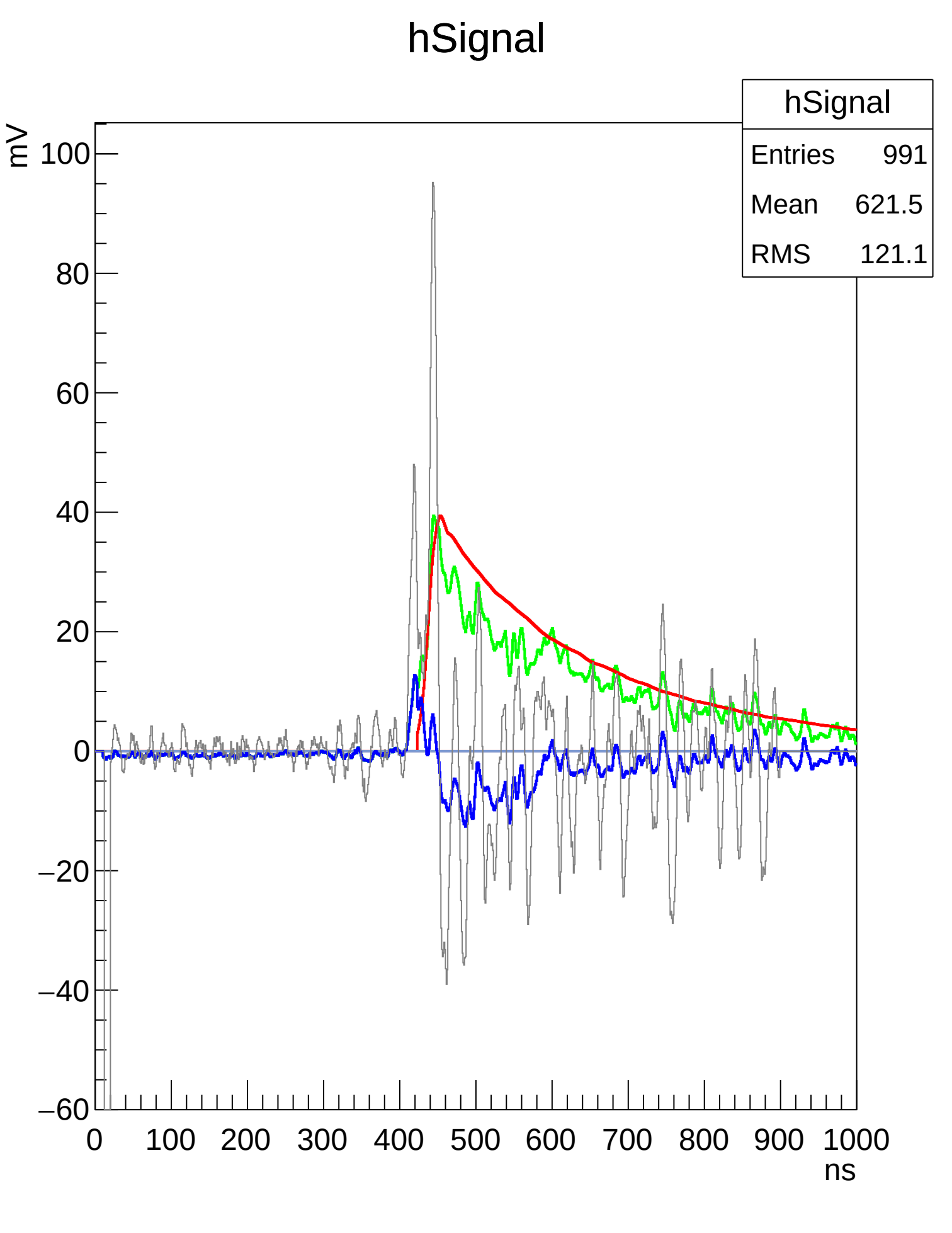
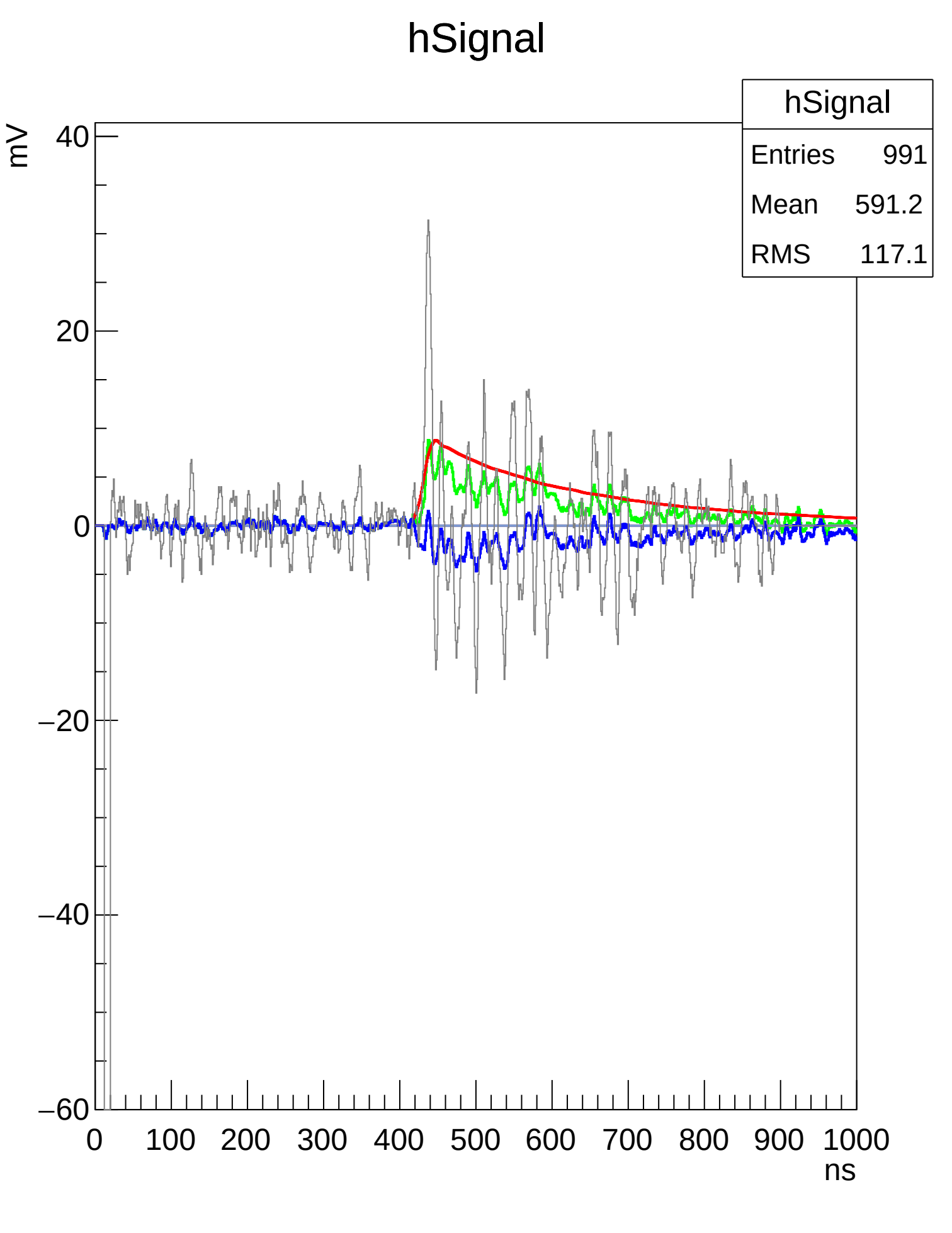
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.5
RMS 136.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.5
RMS 121.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.2
RMS 117.1
mV
40
20
0
−20
−40
−60
0
100
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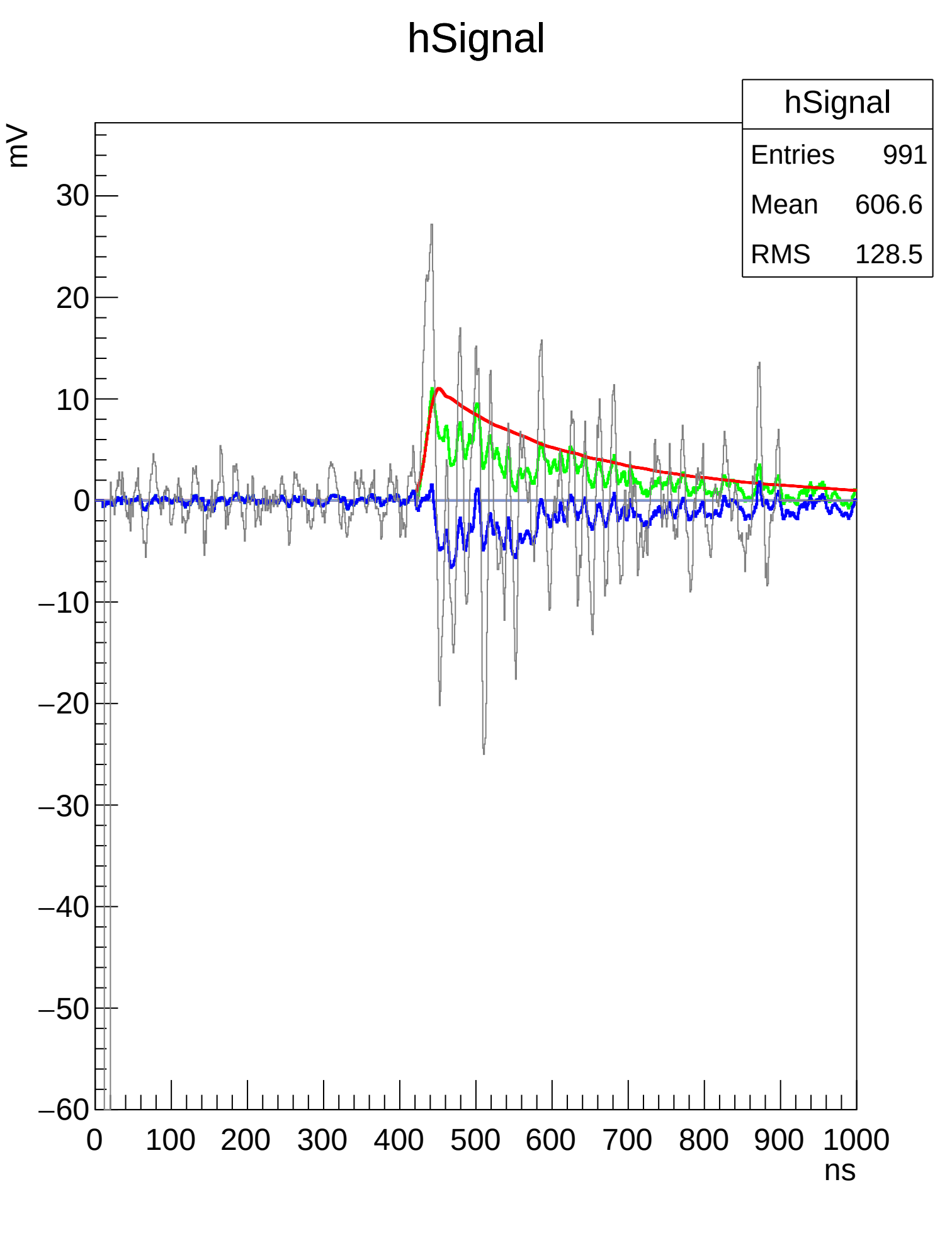
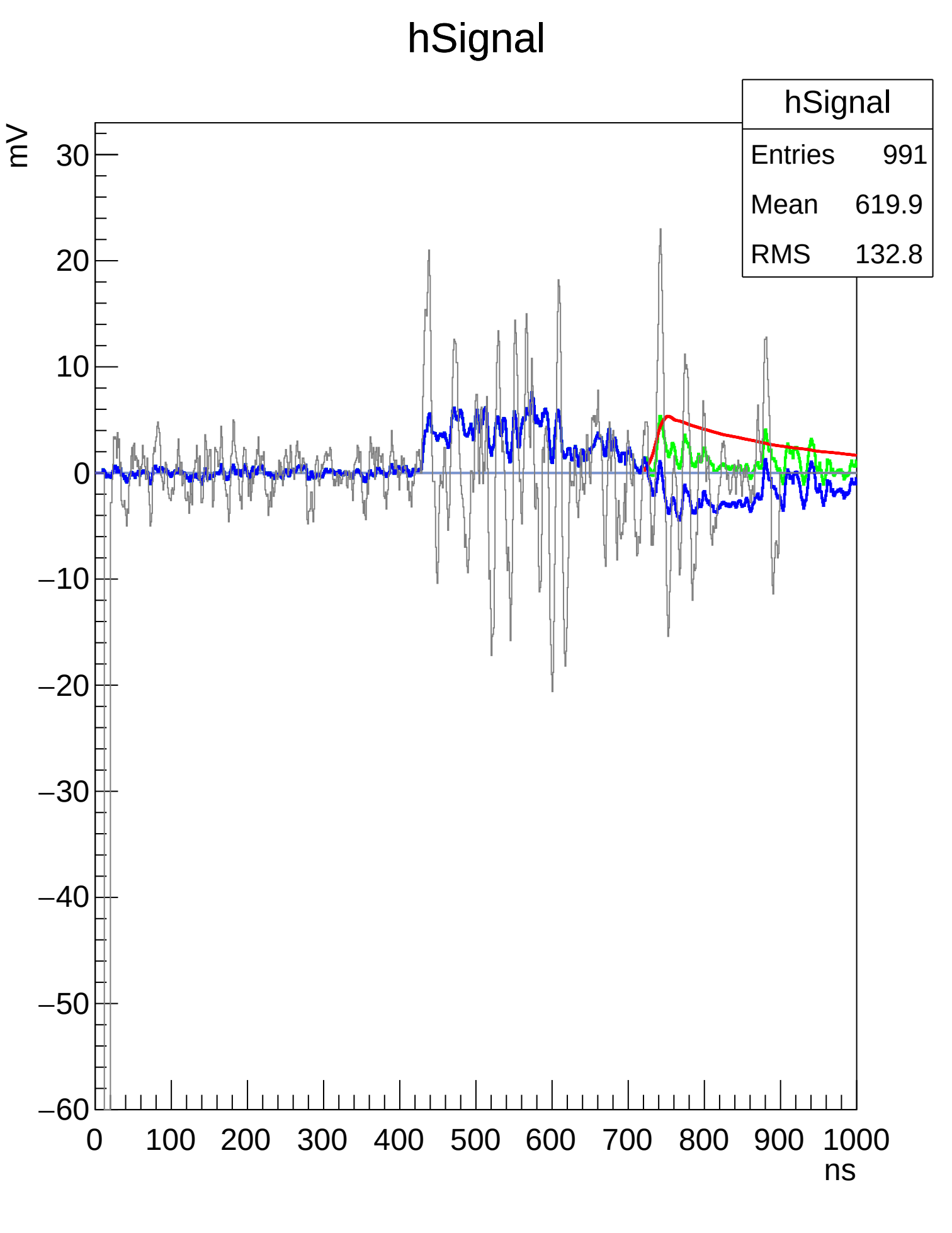
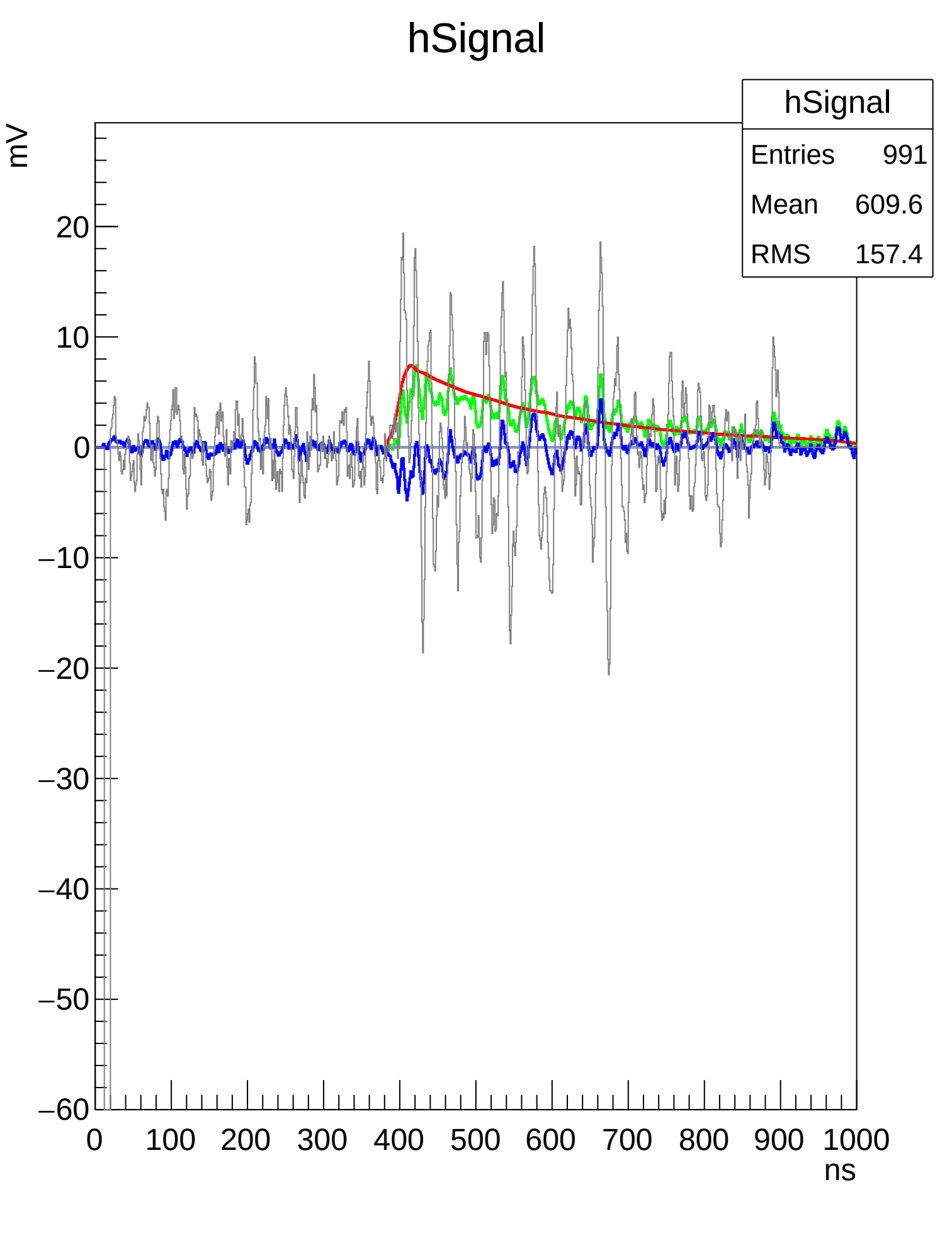
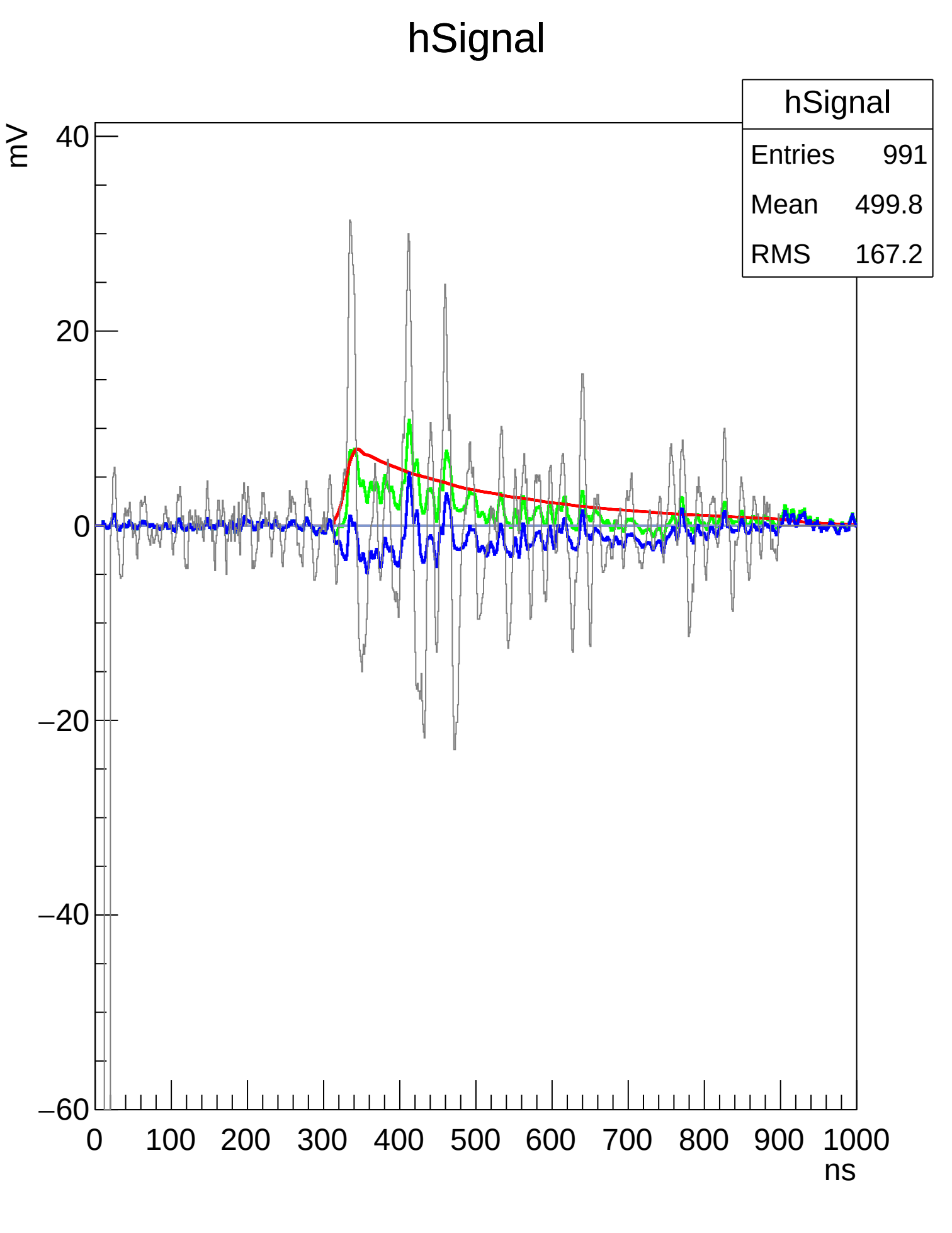
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.6
RMS 128.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.9
RMS 132.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.6
RMS 157.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.8
RMS 167.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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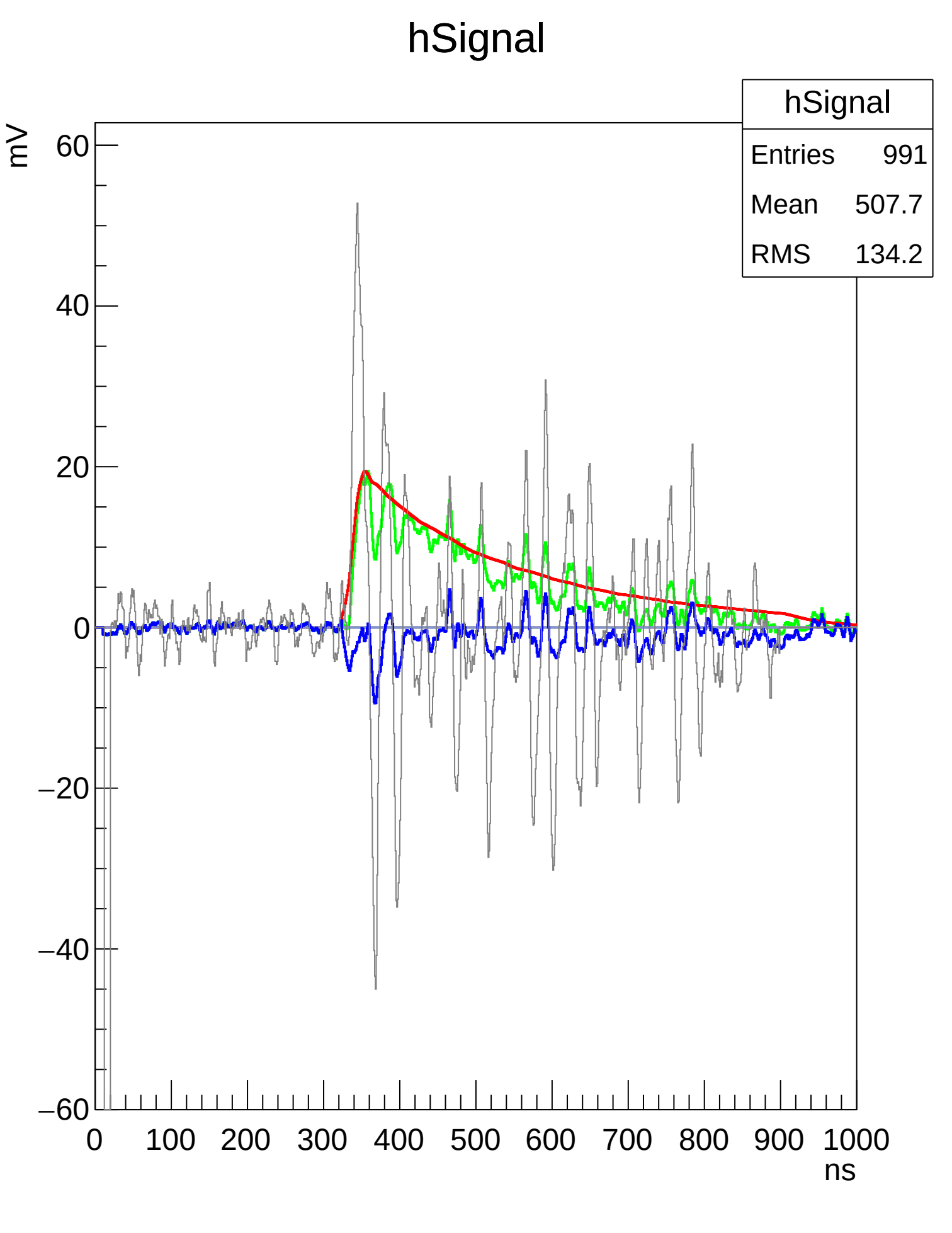
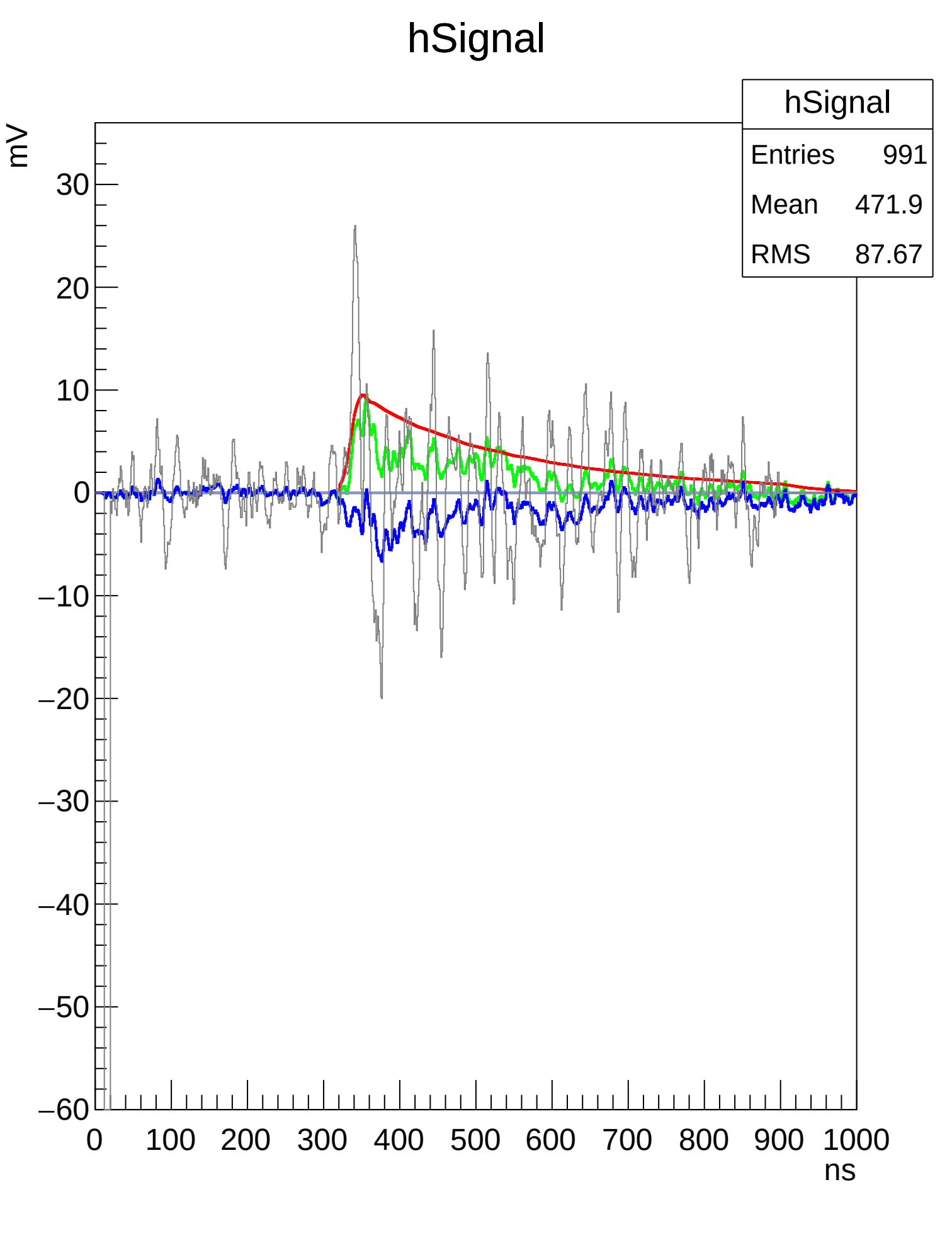
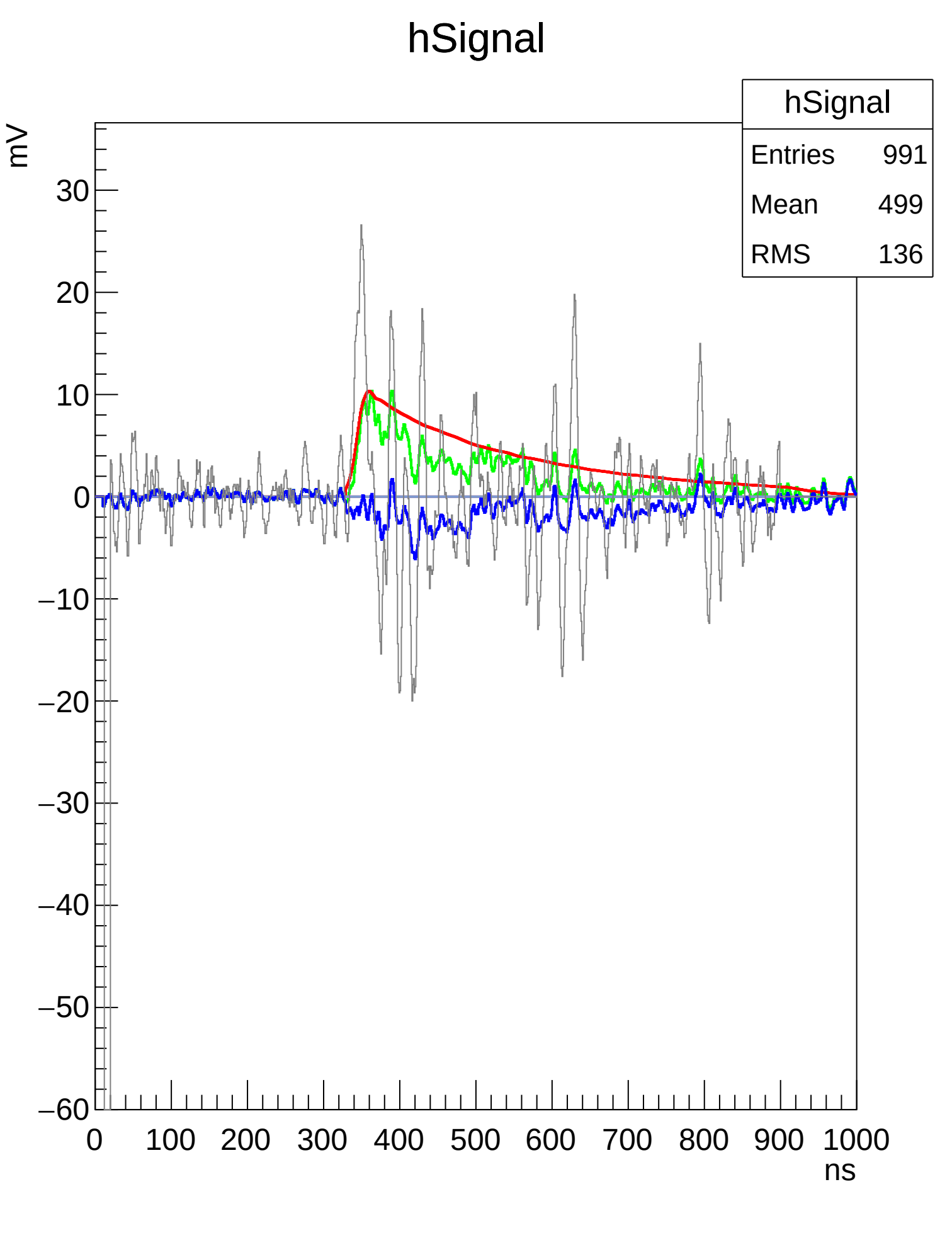
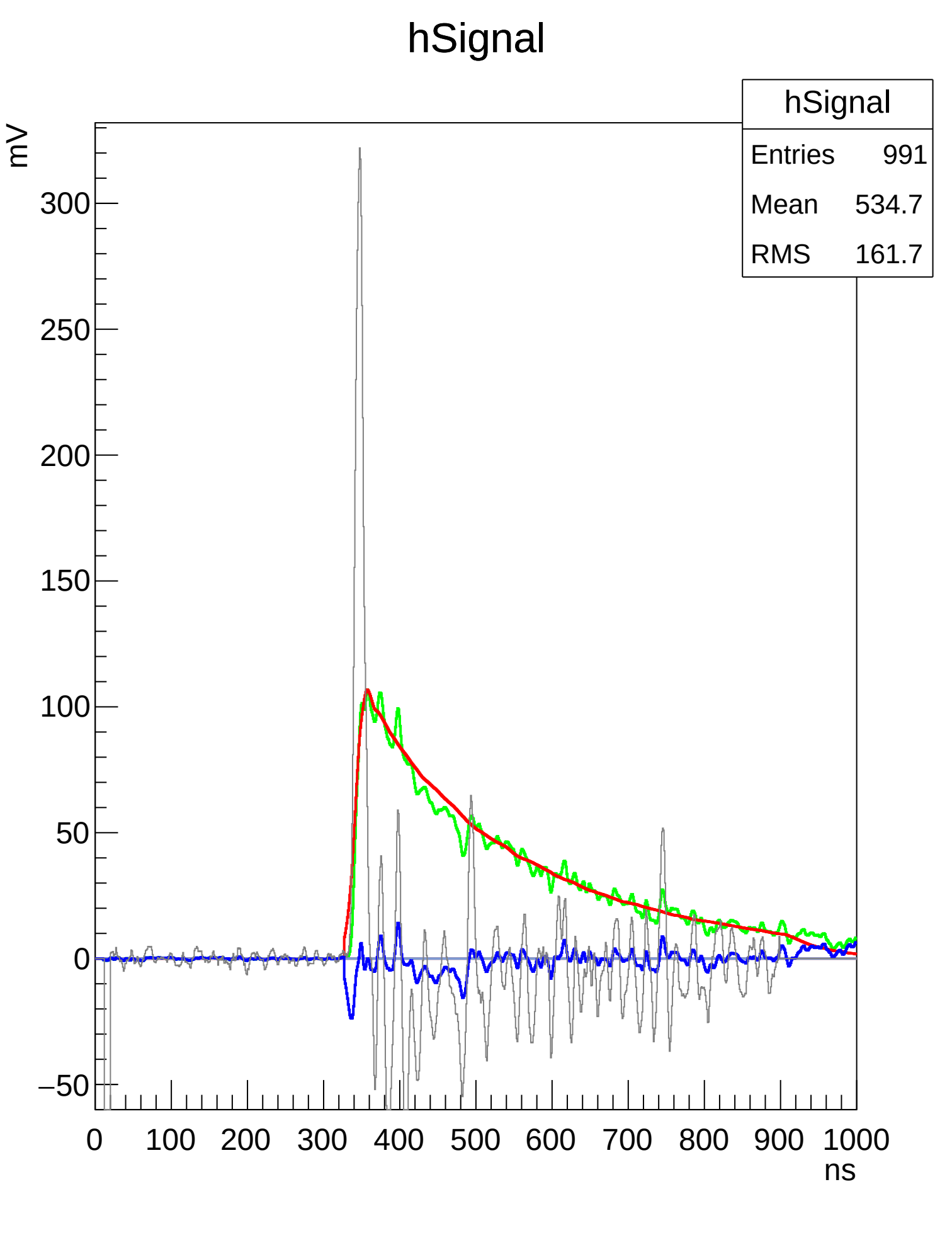
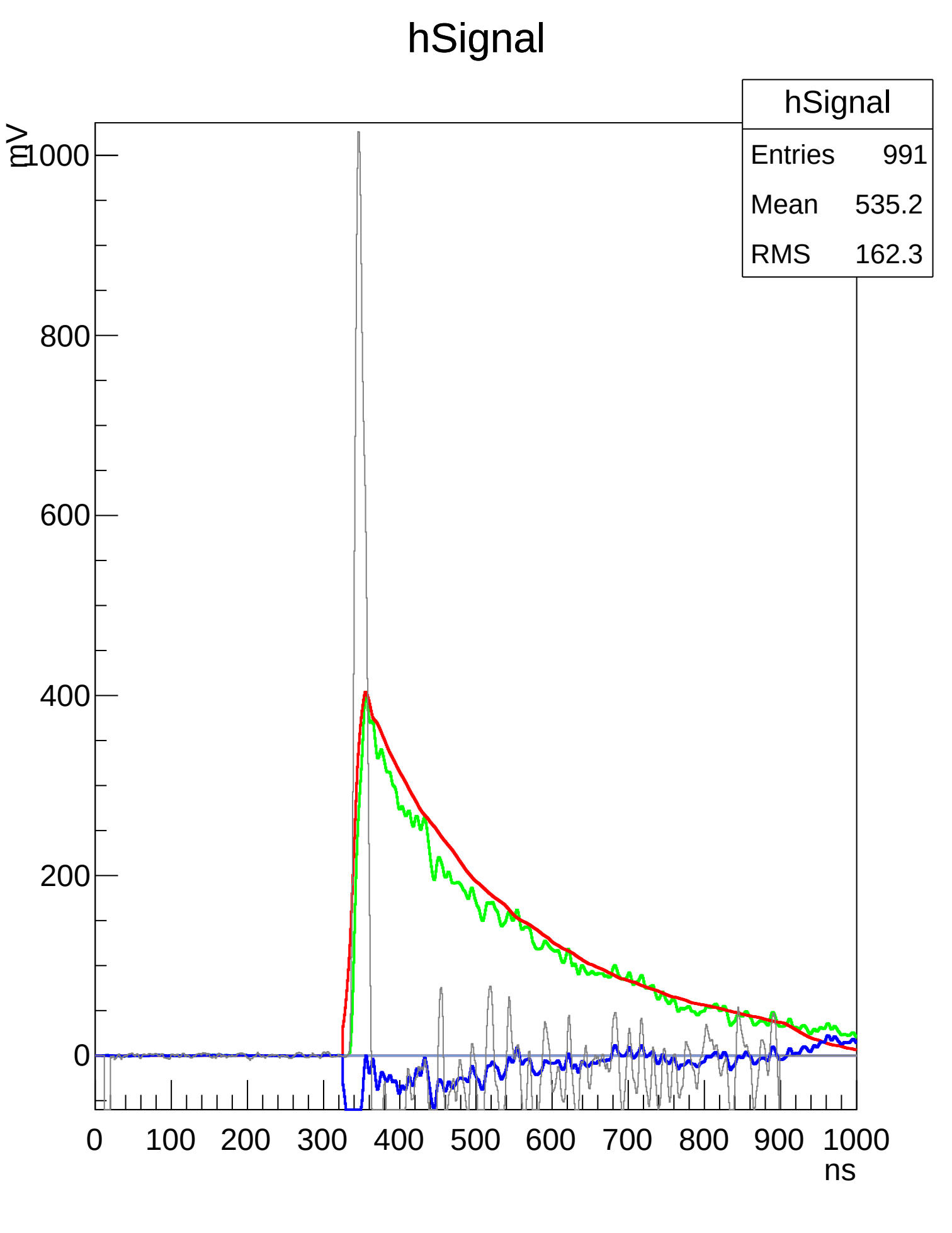
600
700
800
900
1000
ns

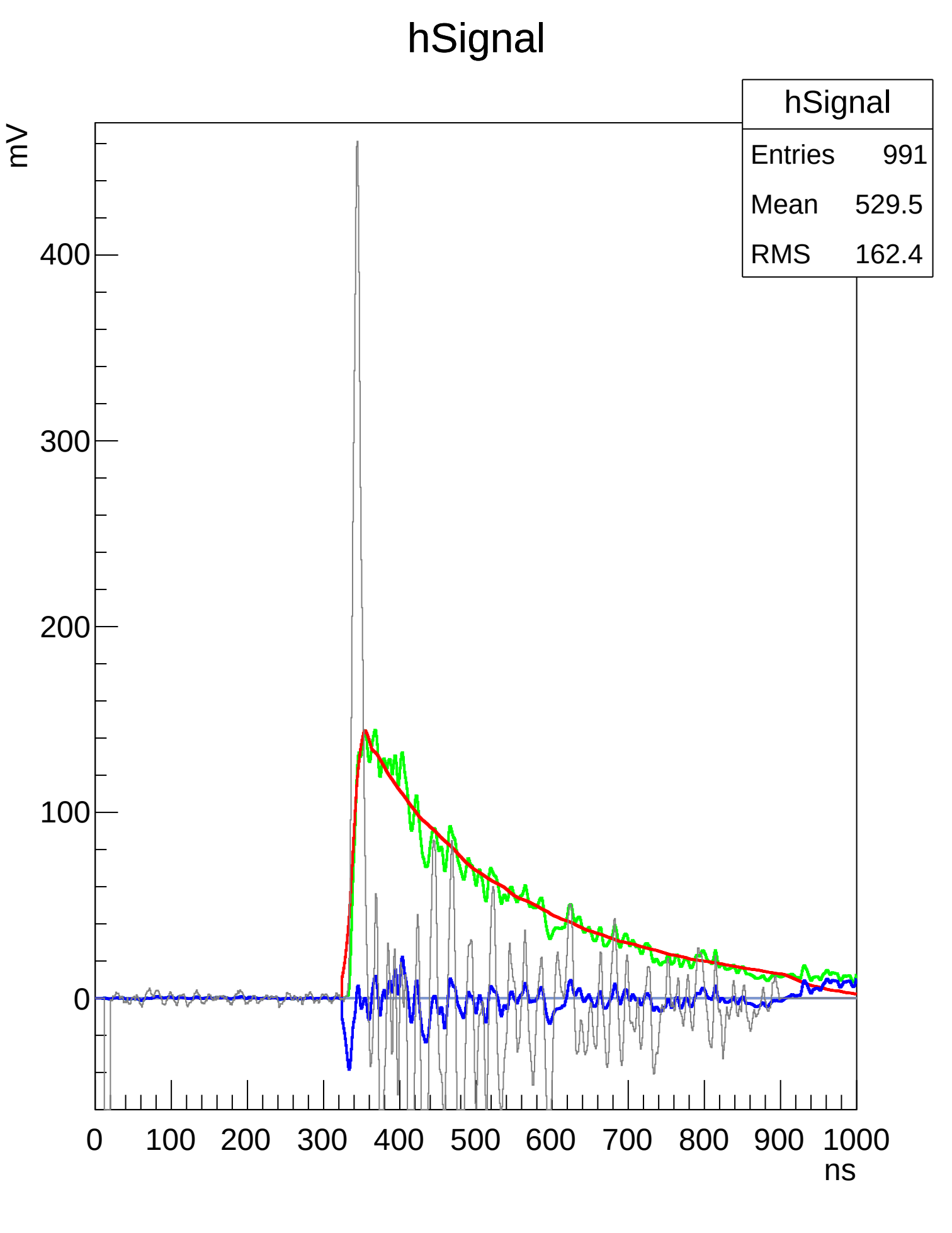

hSignal
hSignal
Entries 991
Mean 507.7
RMS 134.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

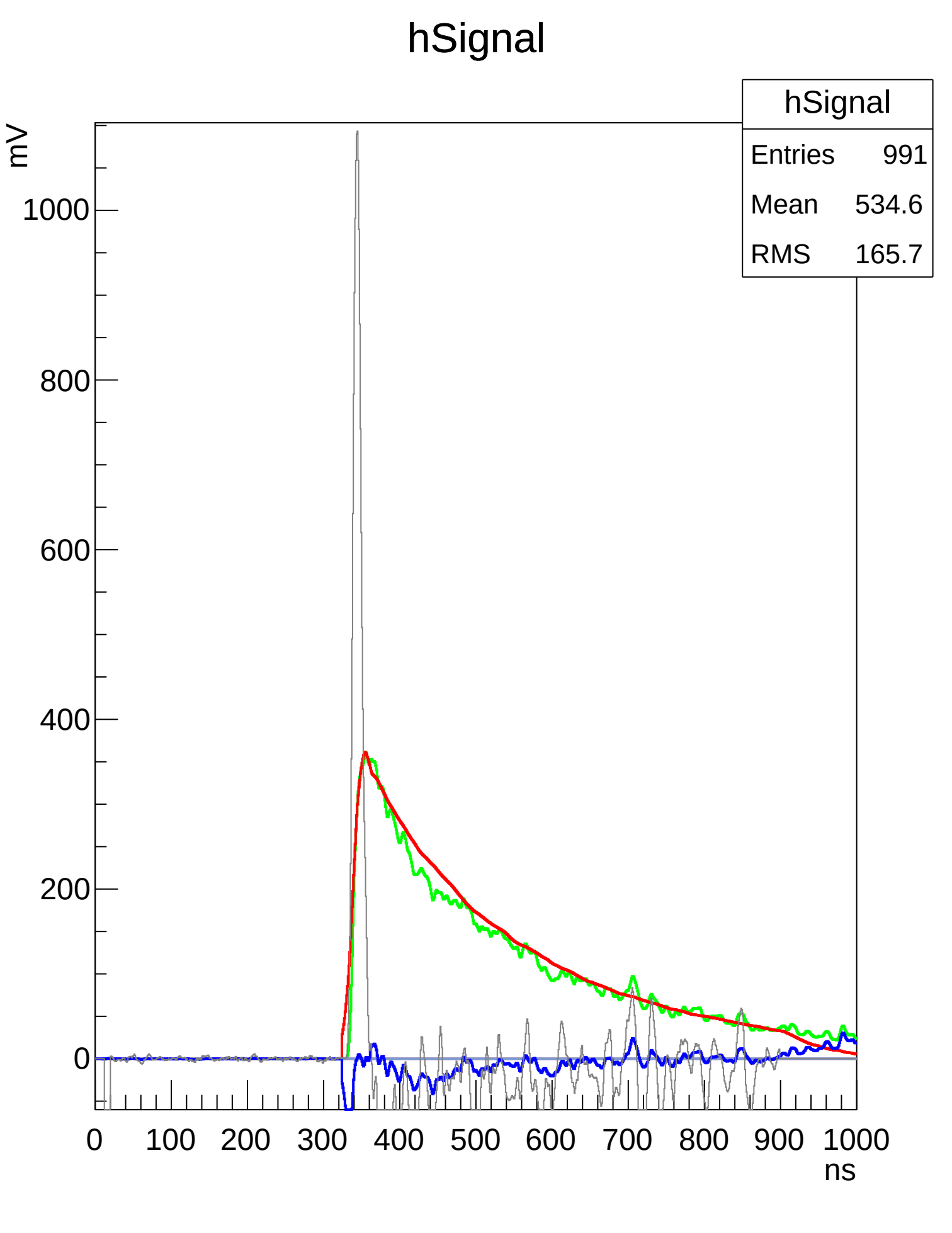

hSignal
hSignal
Entries 991
Mean 471.9
RMS 87.67
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

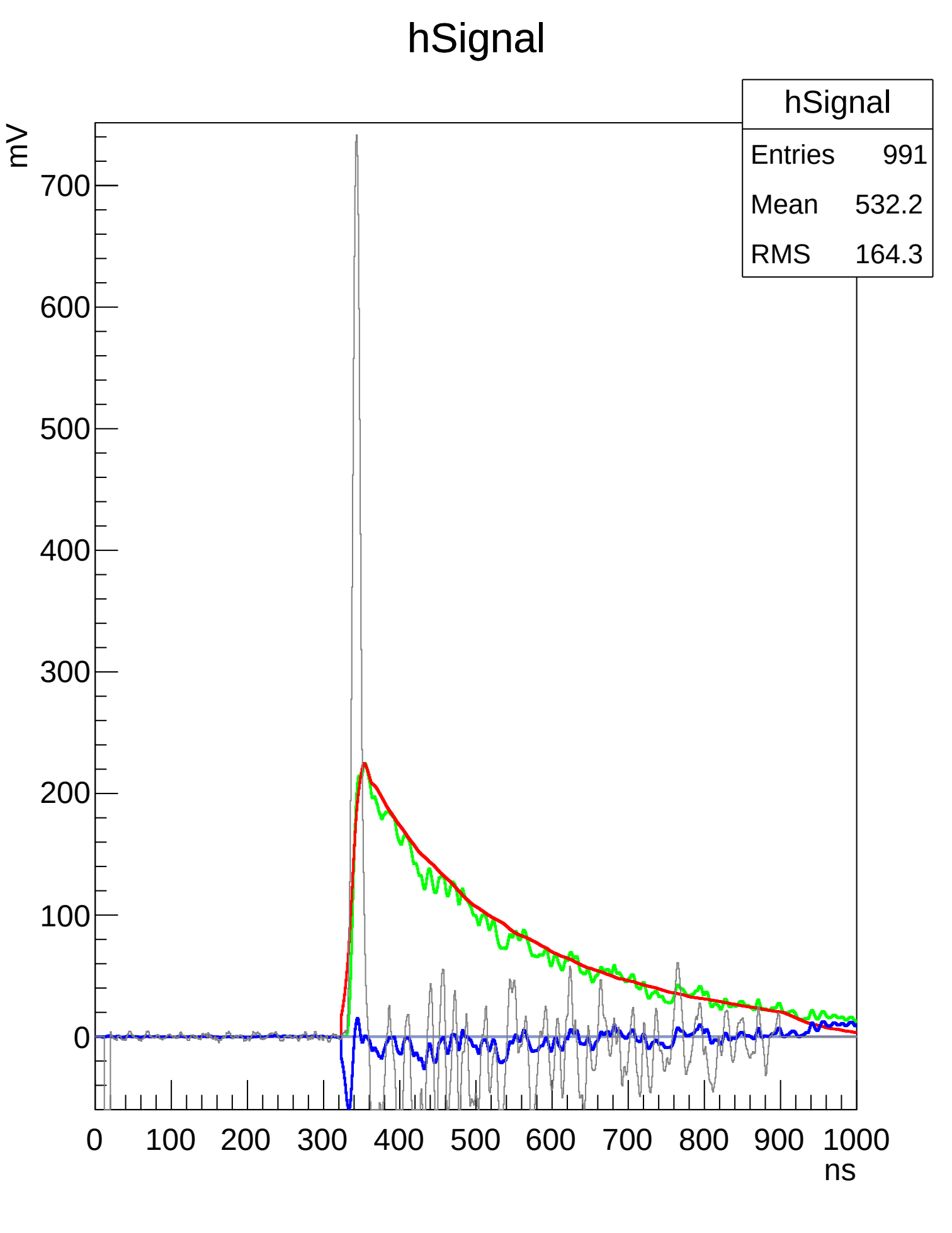

hSignal
hSignal
Entries 991
Mean 499
RMS 136
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

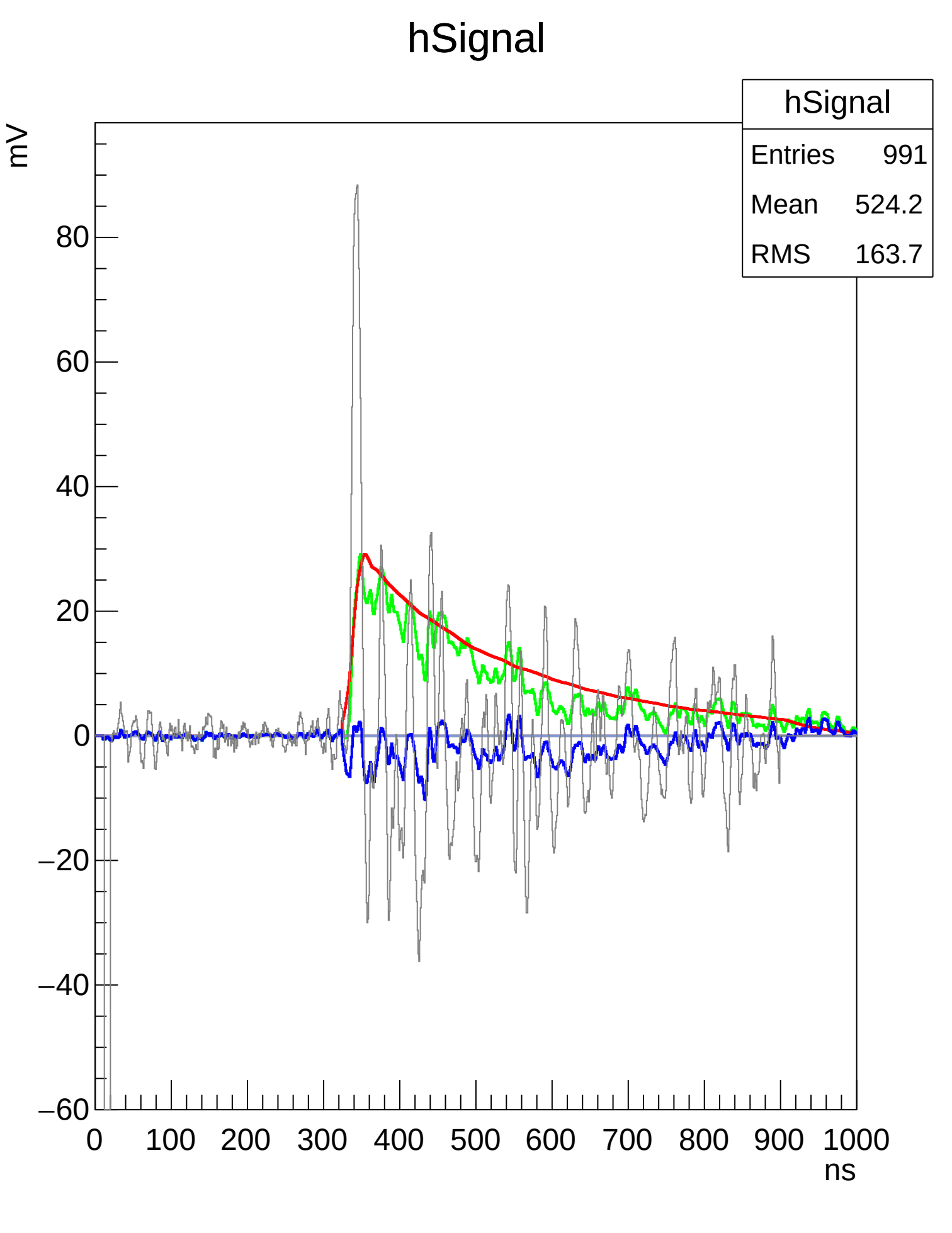

hSignal
hSignal
Entries 991
Mean 534.7
RMS 161.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

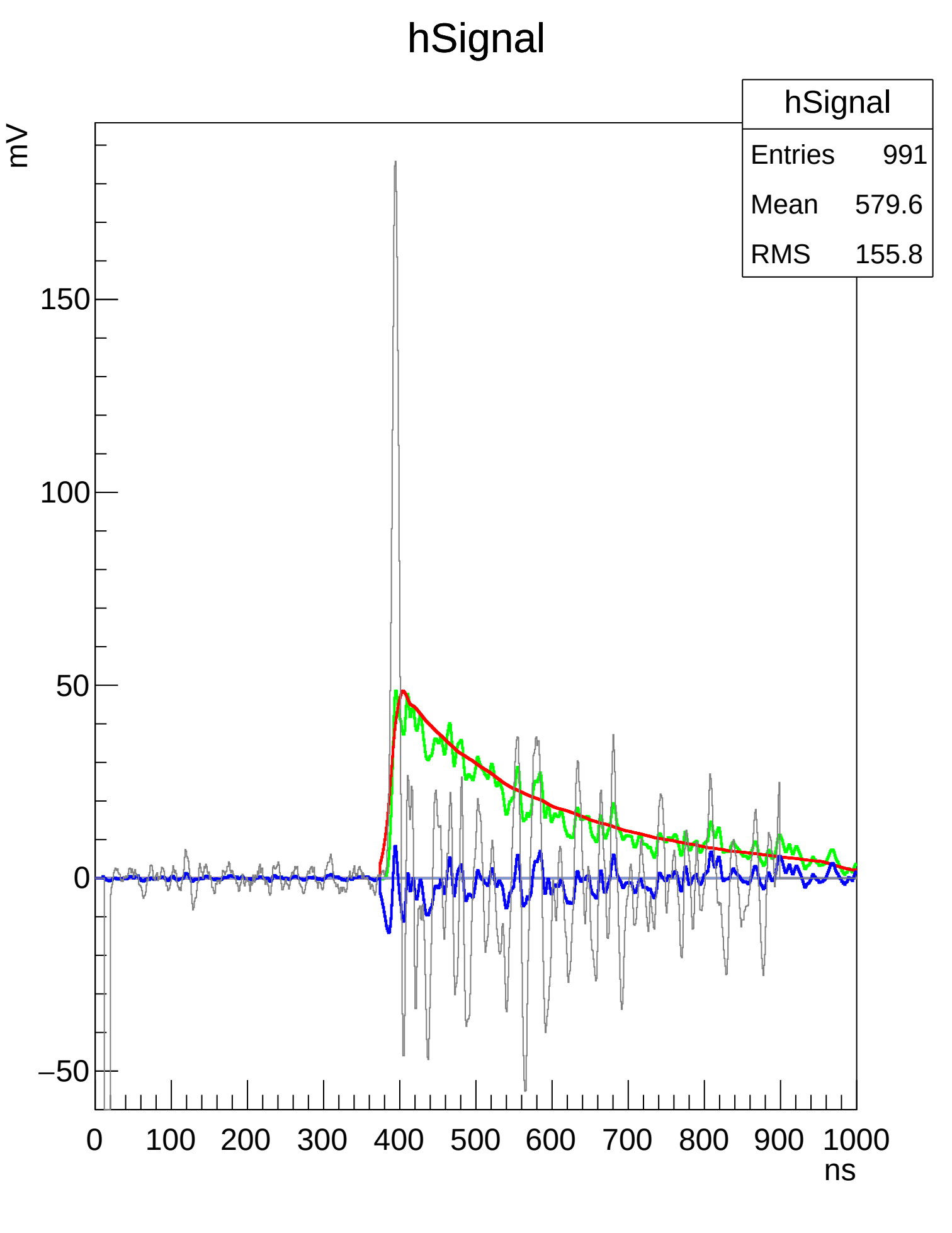

hSignal
hSignal
Entries 991
Mean 535.2
RMS 162.3
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

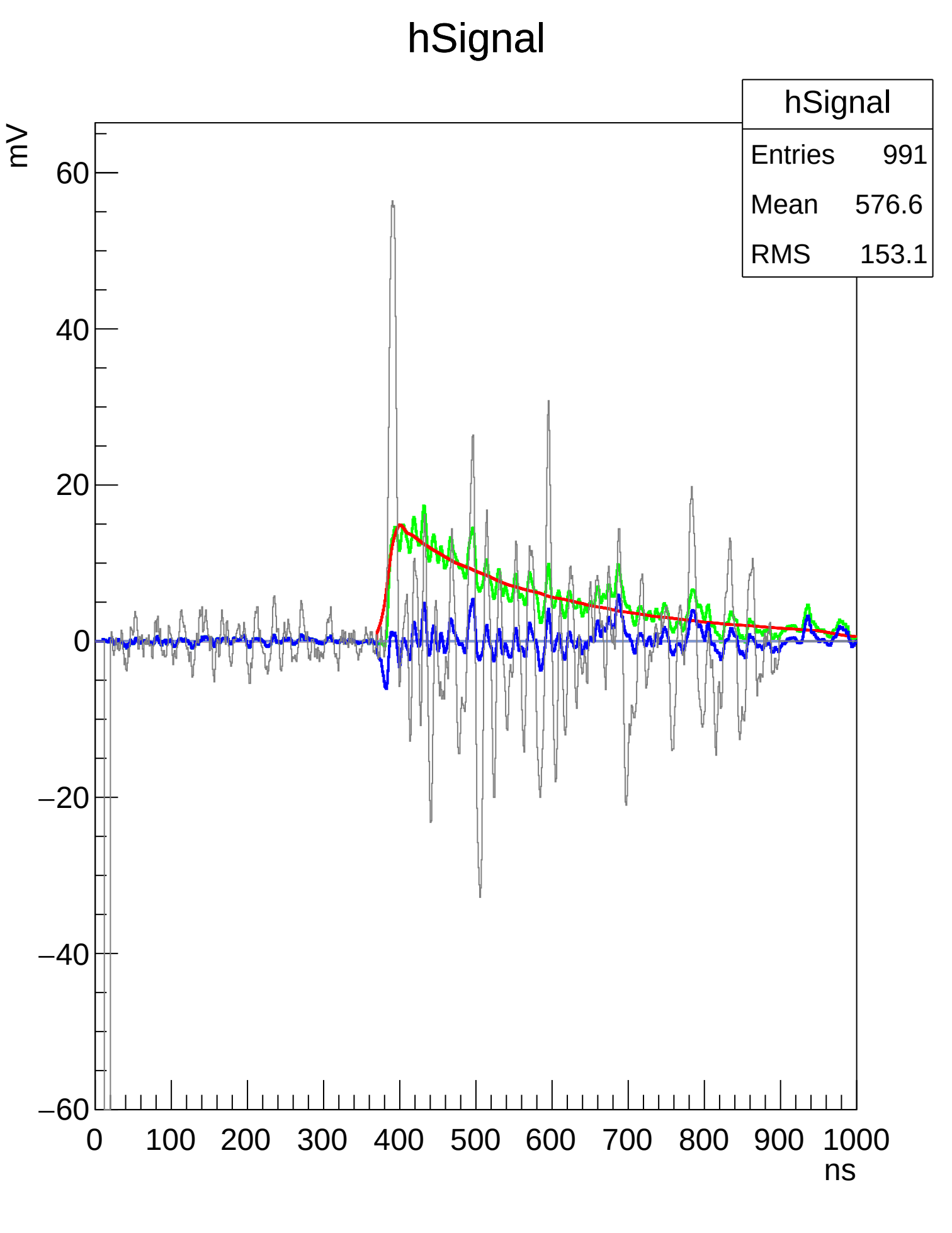

hSignal
hSignal
Entries 991
Mean 529.5
RMS 162.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

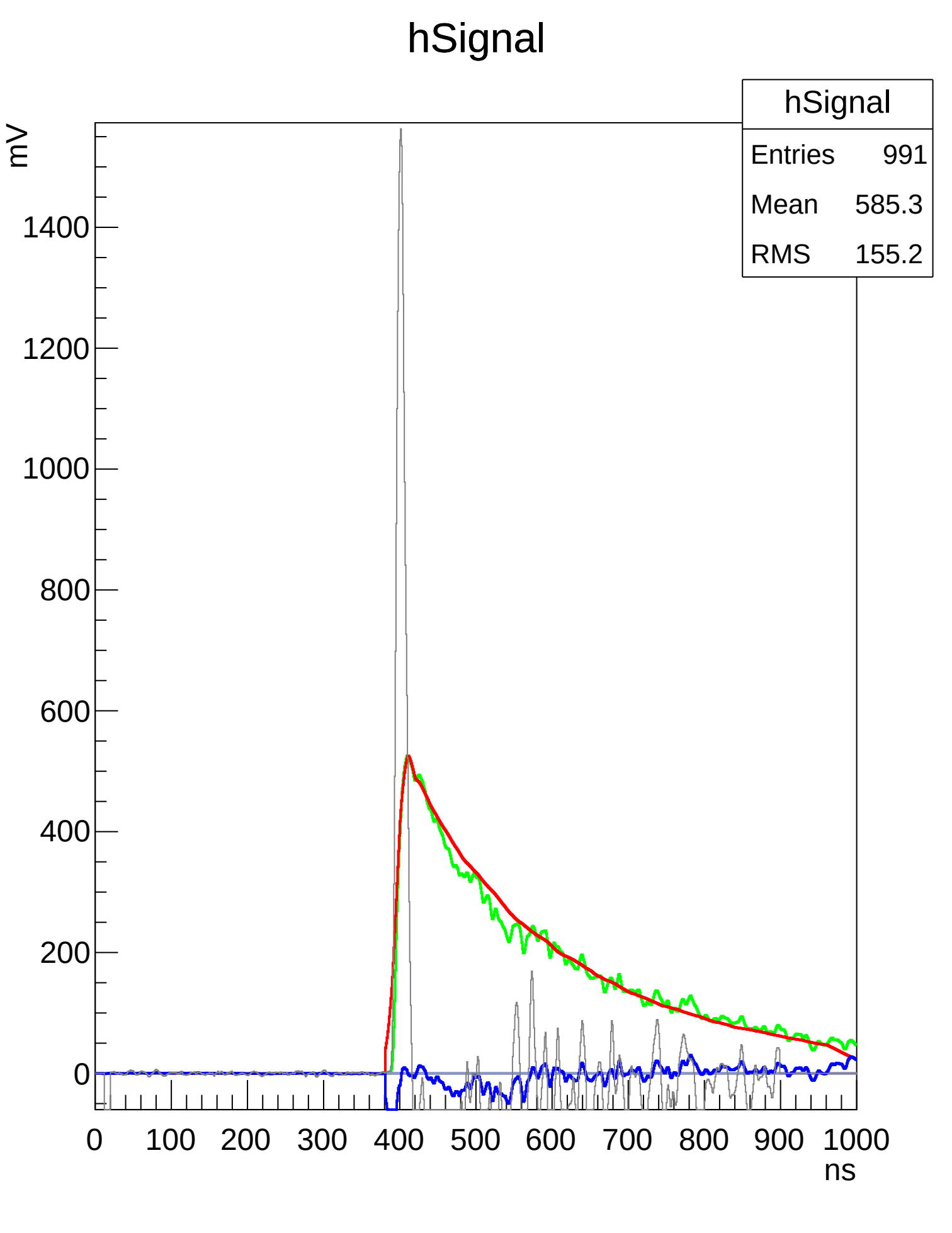

hSignal
hSignal
Entries 991
Mean 534.6
RMS 165.7
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

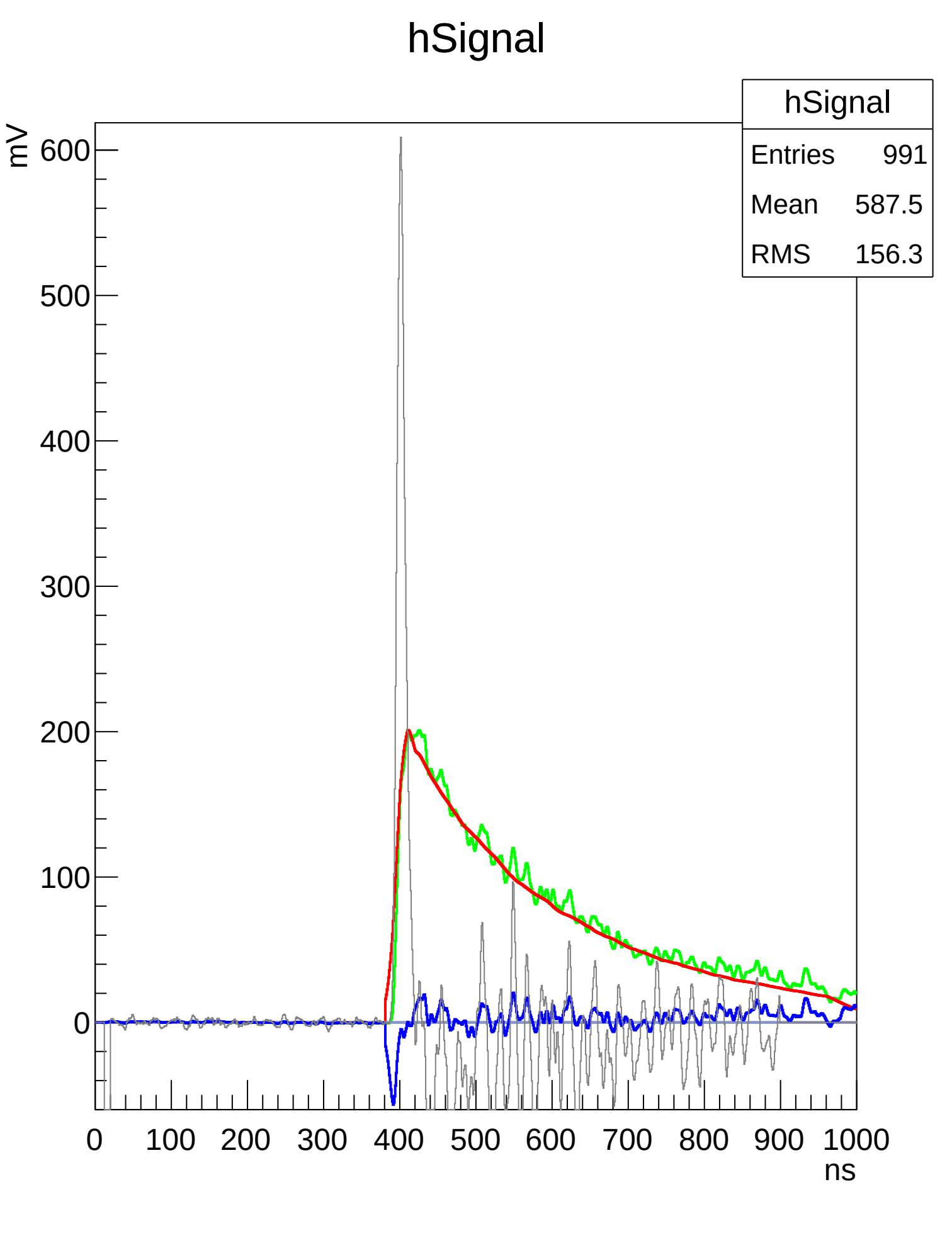

hSignal
hSignal
Entries 991
Mean 532.2
RMS 164.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

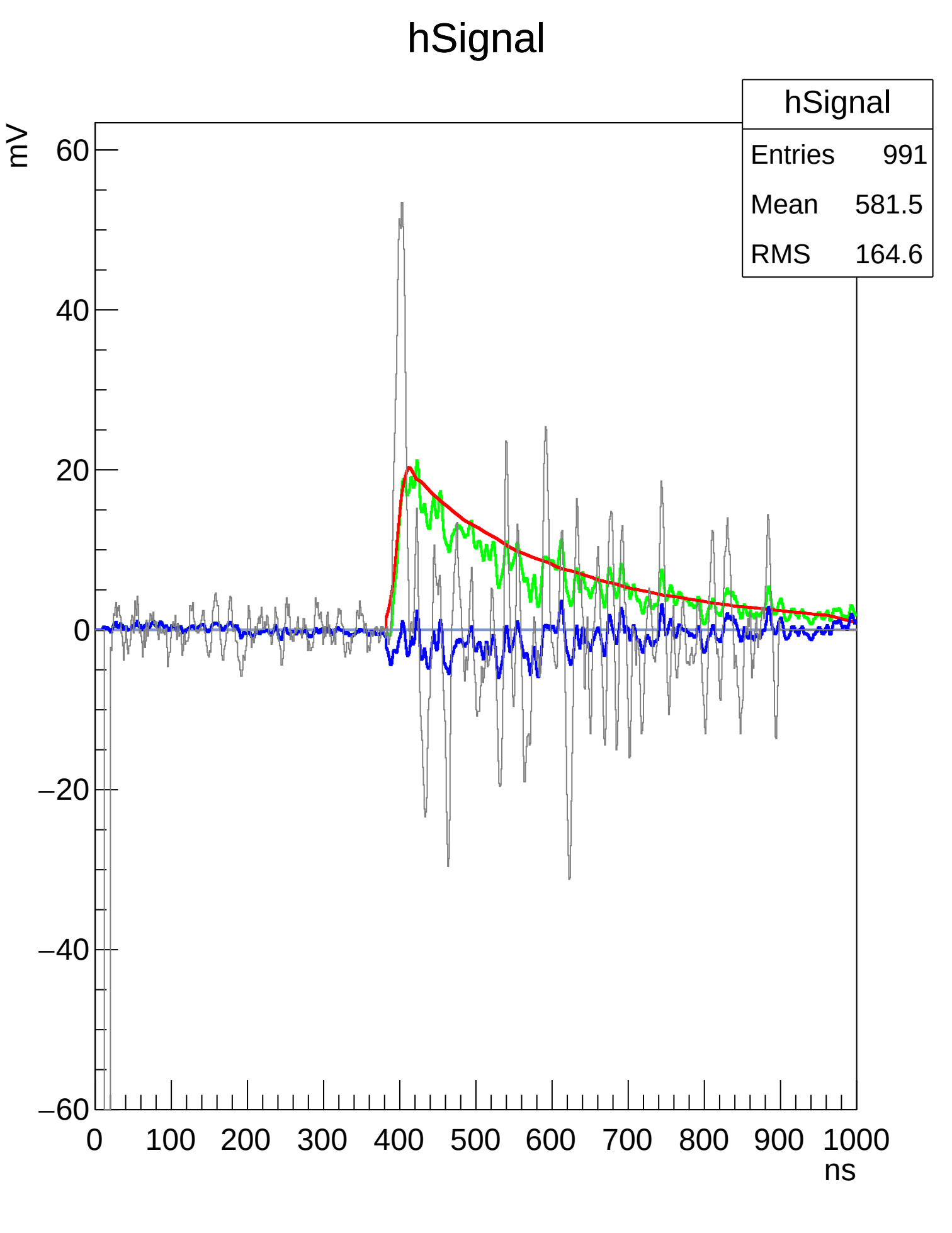

hSignal
hSignal
Entries 991
Mean 524.2
RMS 163.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

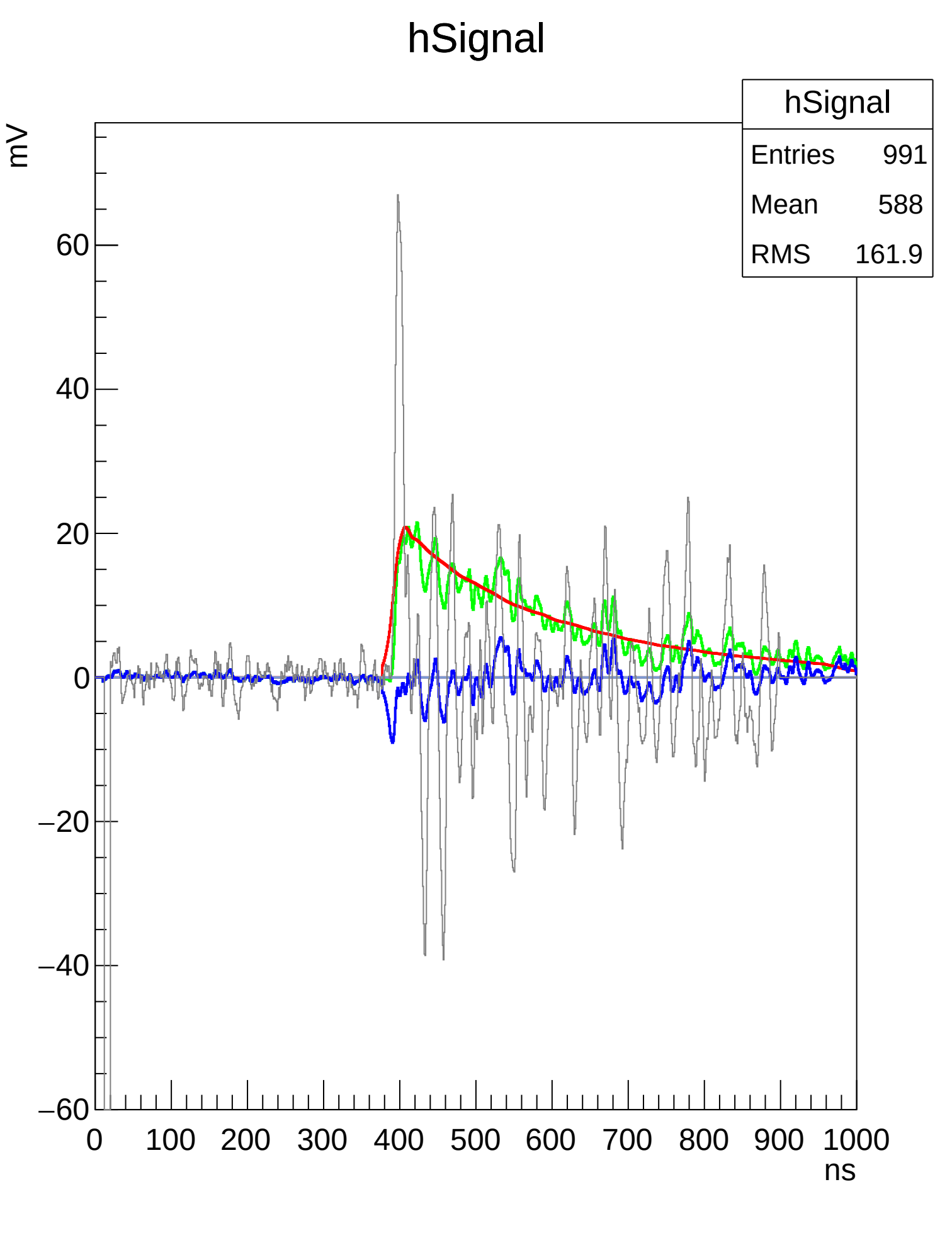

hSignal
hSignal
Entries 991
Mean 579.6
RMS 155.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.6
RMS 153.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 155.2
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 156.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.5
RMS 164.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 161.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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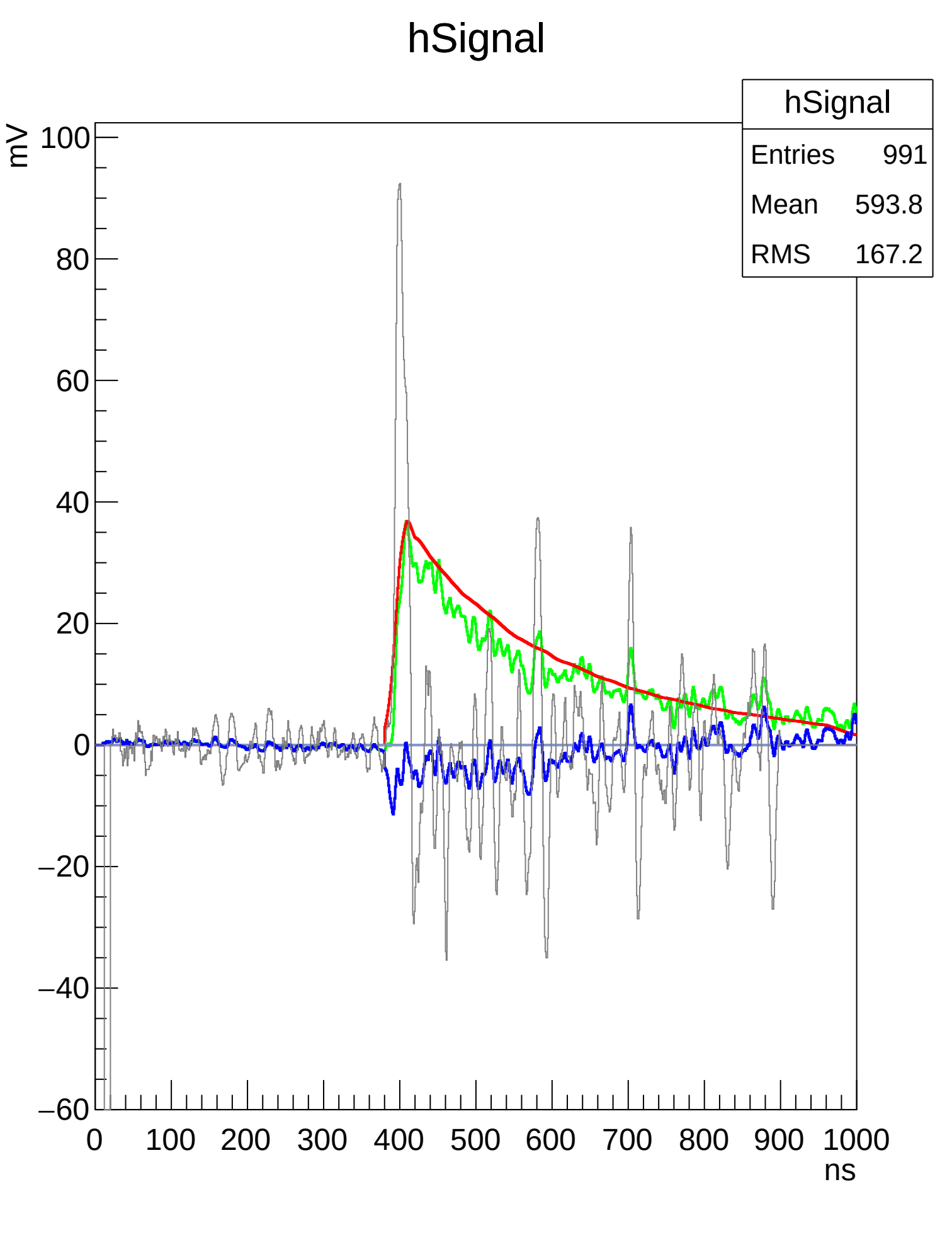
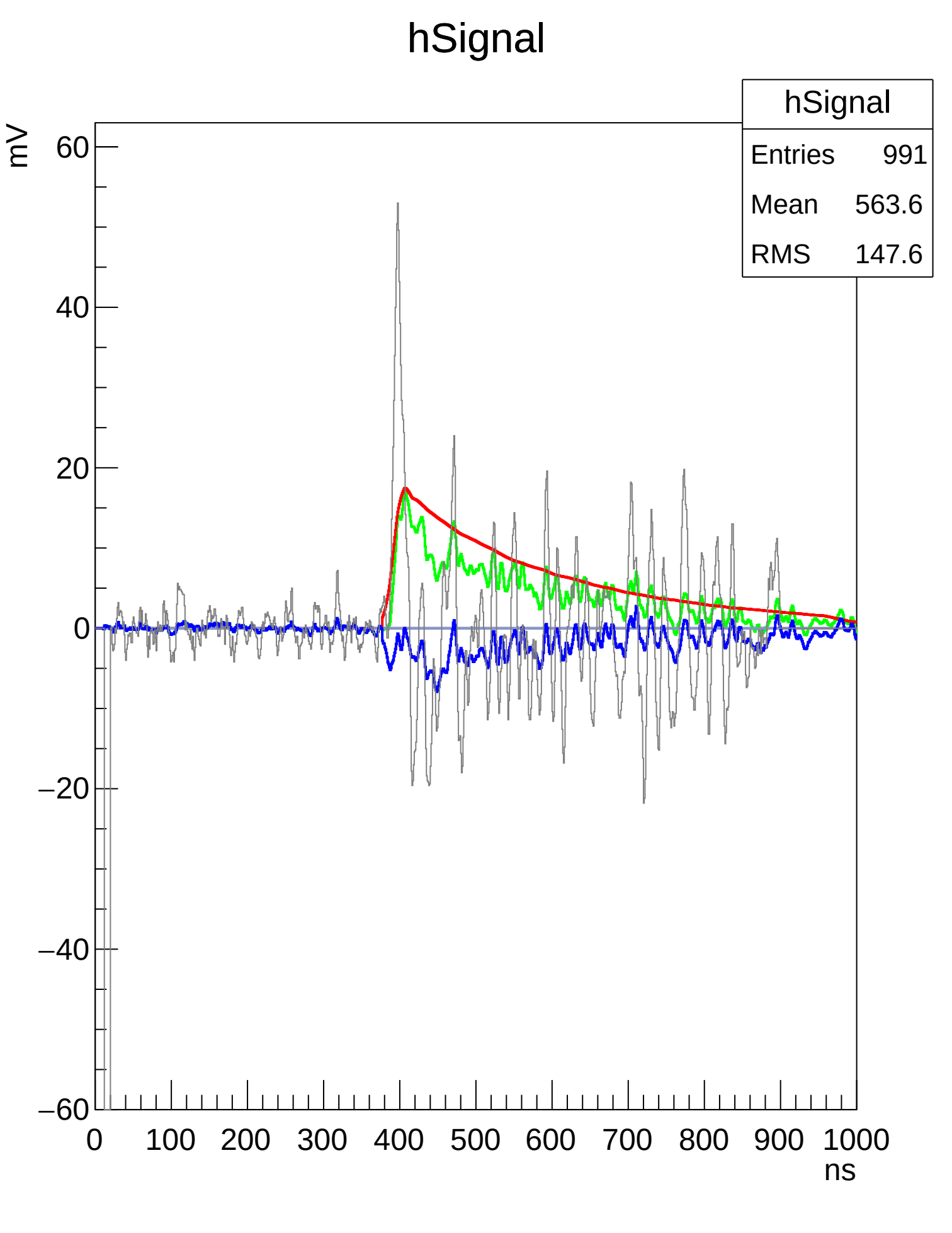
1000
ns


hSignal
hSignal
Entries 991
Mean 593.8
RMS 167.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.6
RMS 147.6
mV
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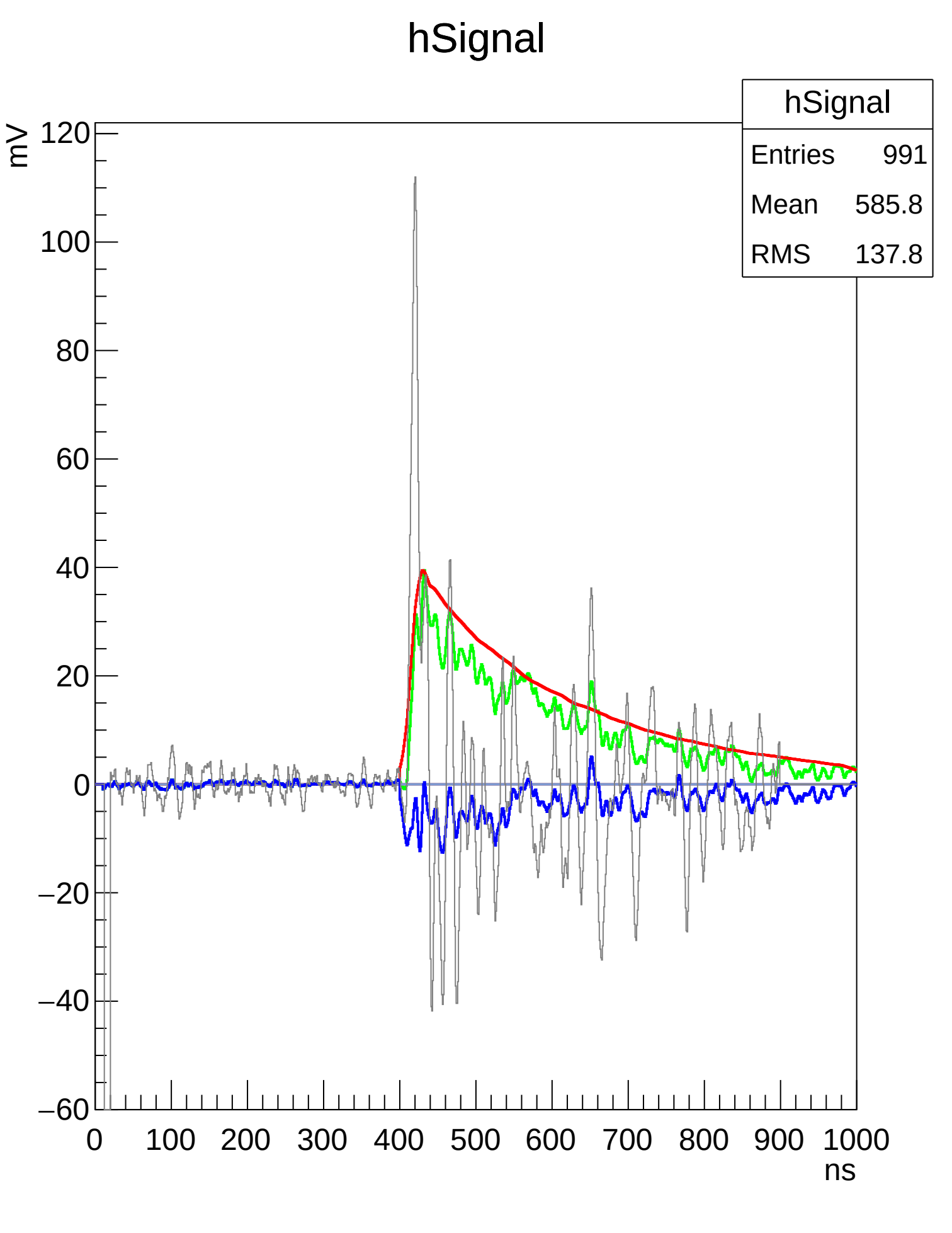
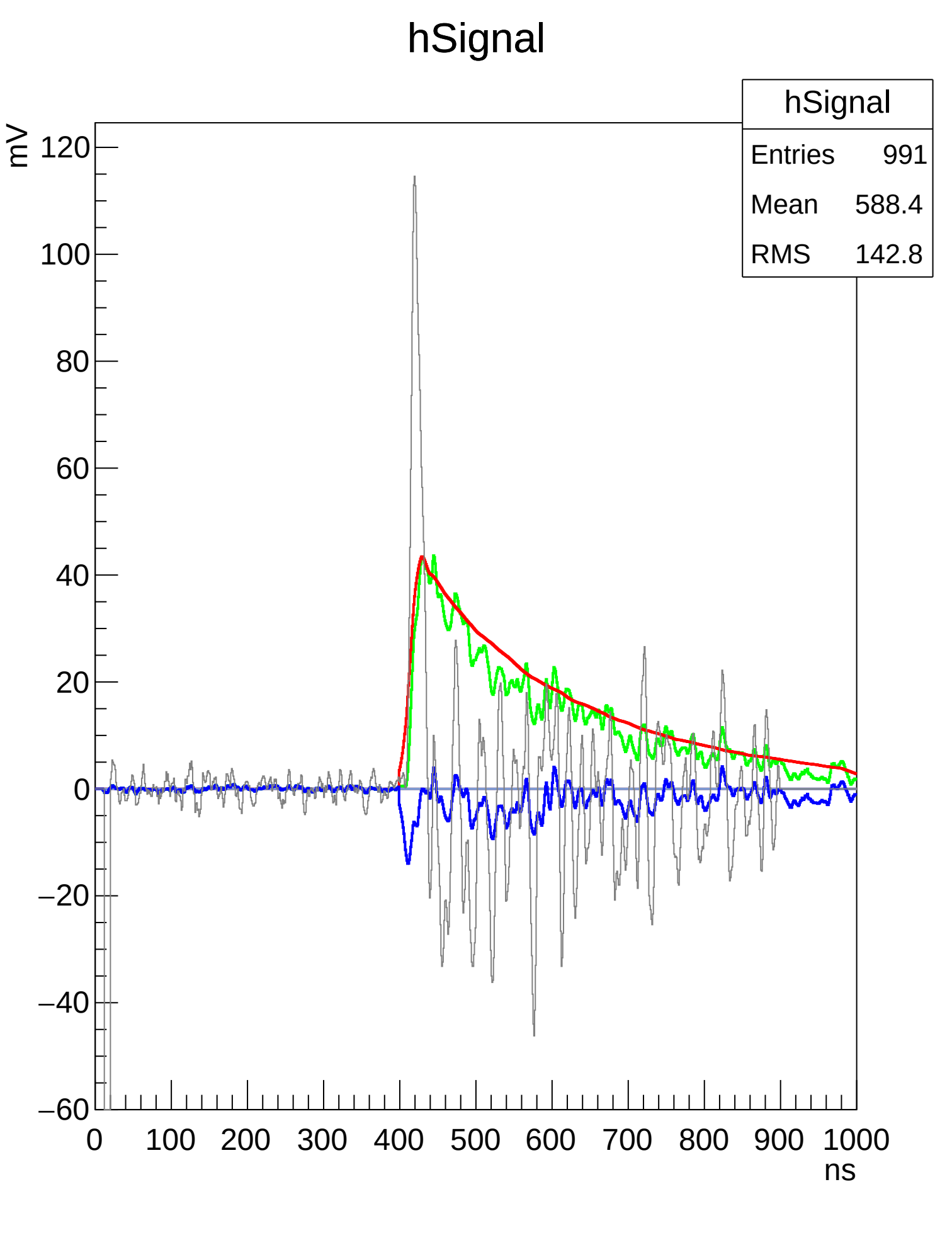
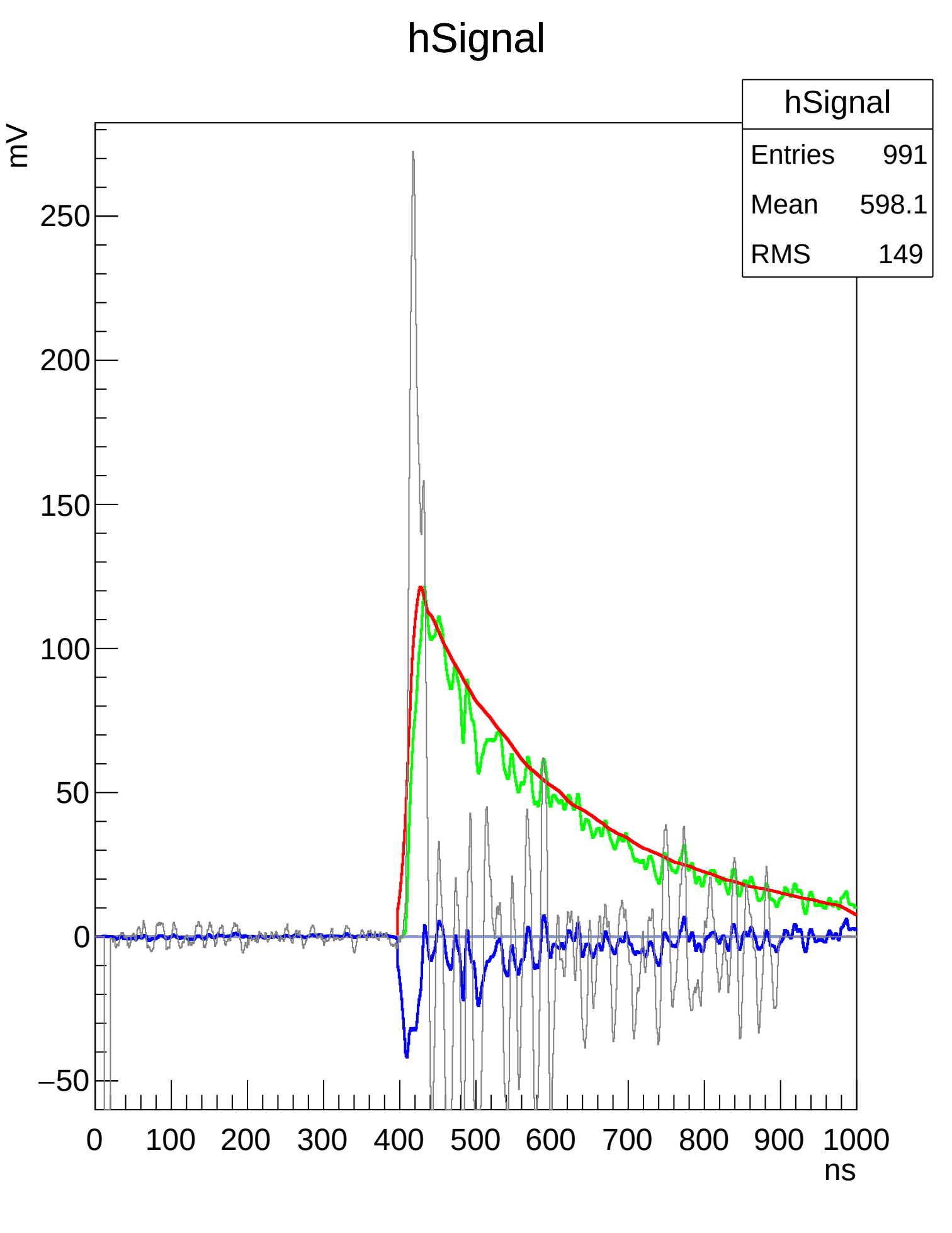
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.8
RMS 137.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.4
RMS 142.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.1
RMS 149
mV
250
200
150
100
50
0
−50
0
100
200
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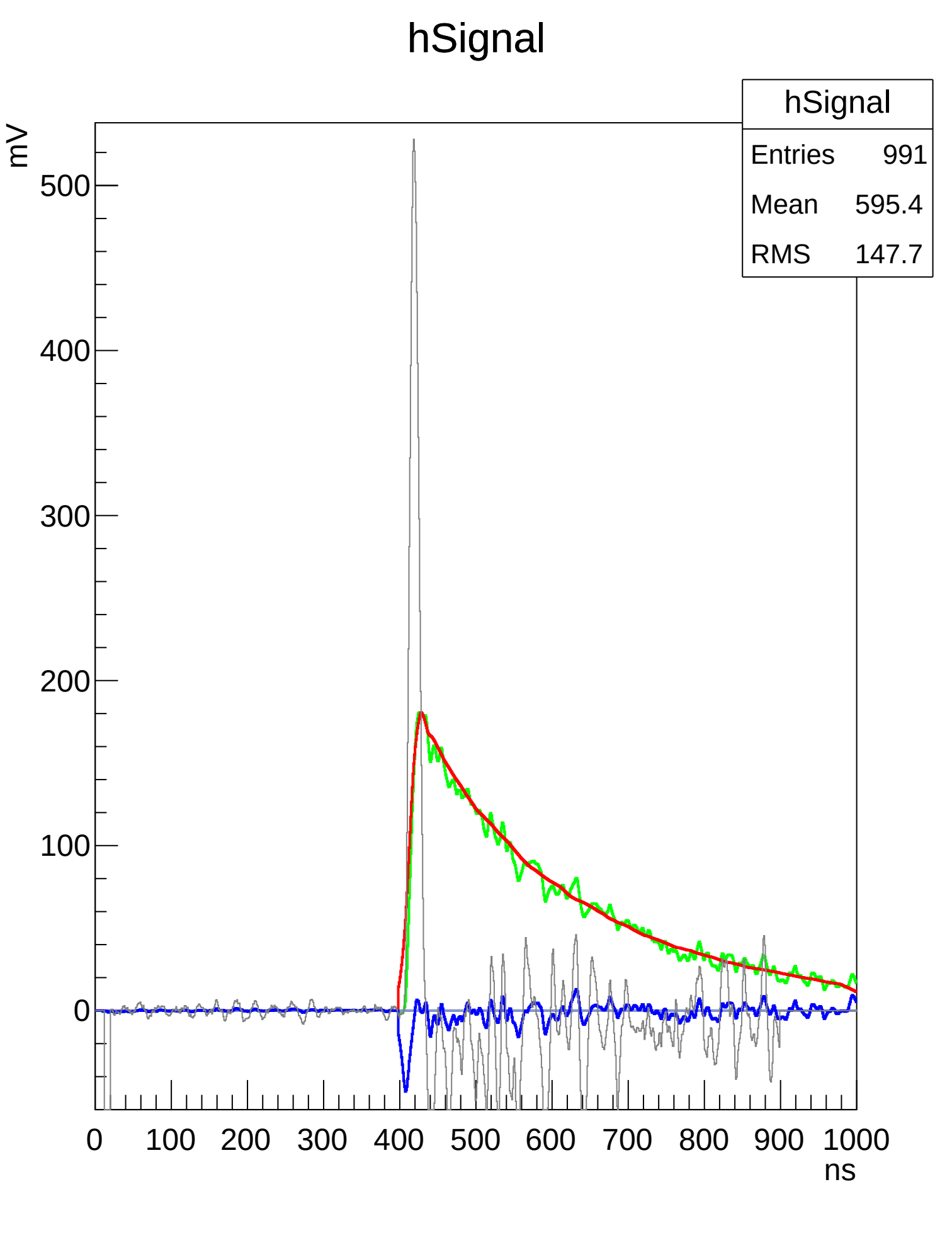
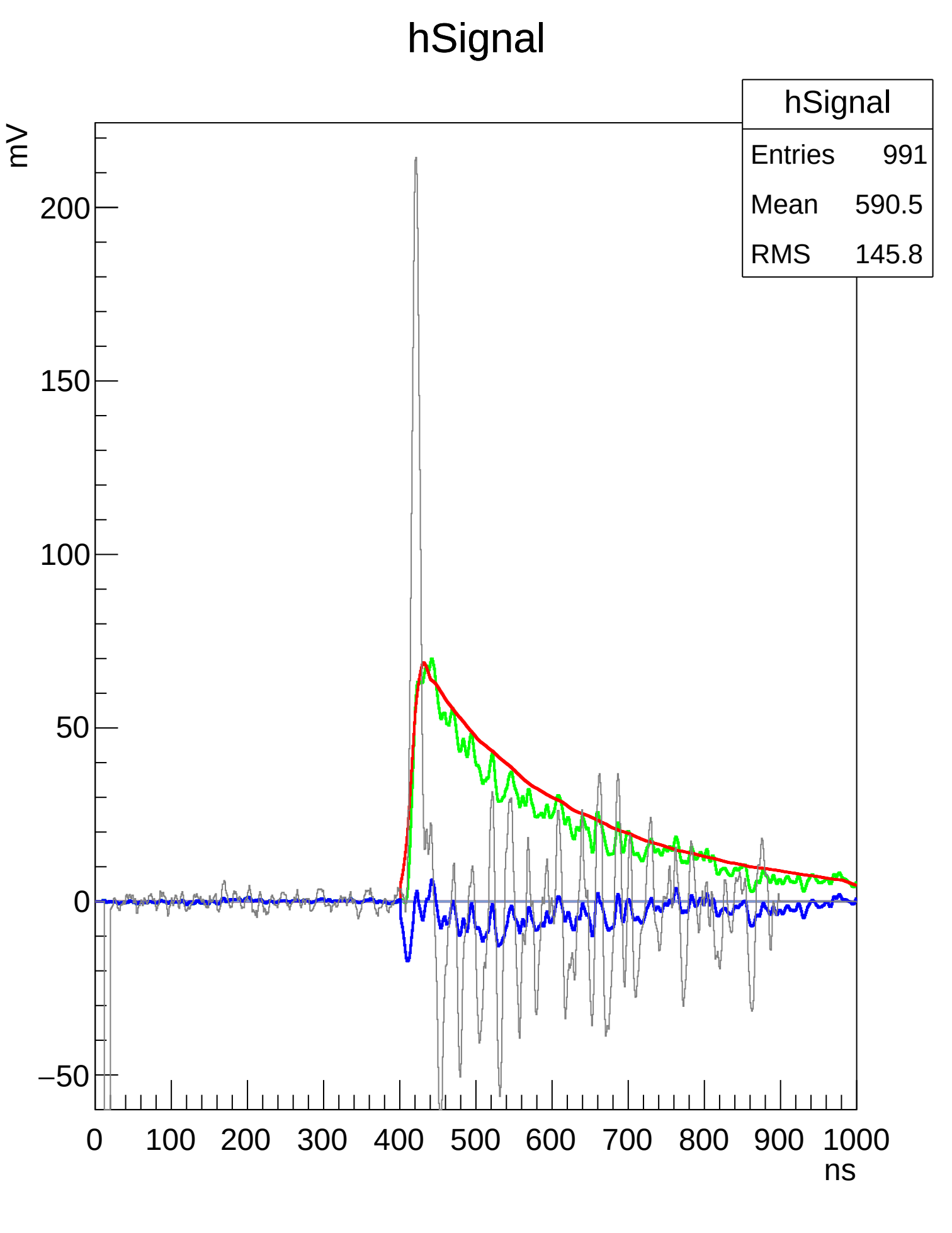
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.4
RMS 147.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.5
RMS 145.8
mV
200
150
100
50
0
−50
0
100
200
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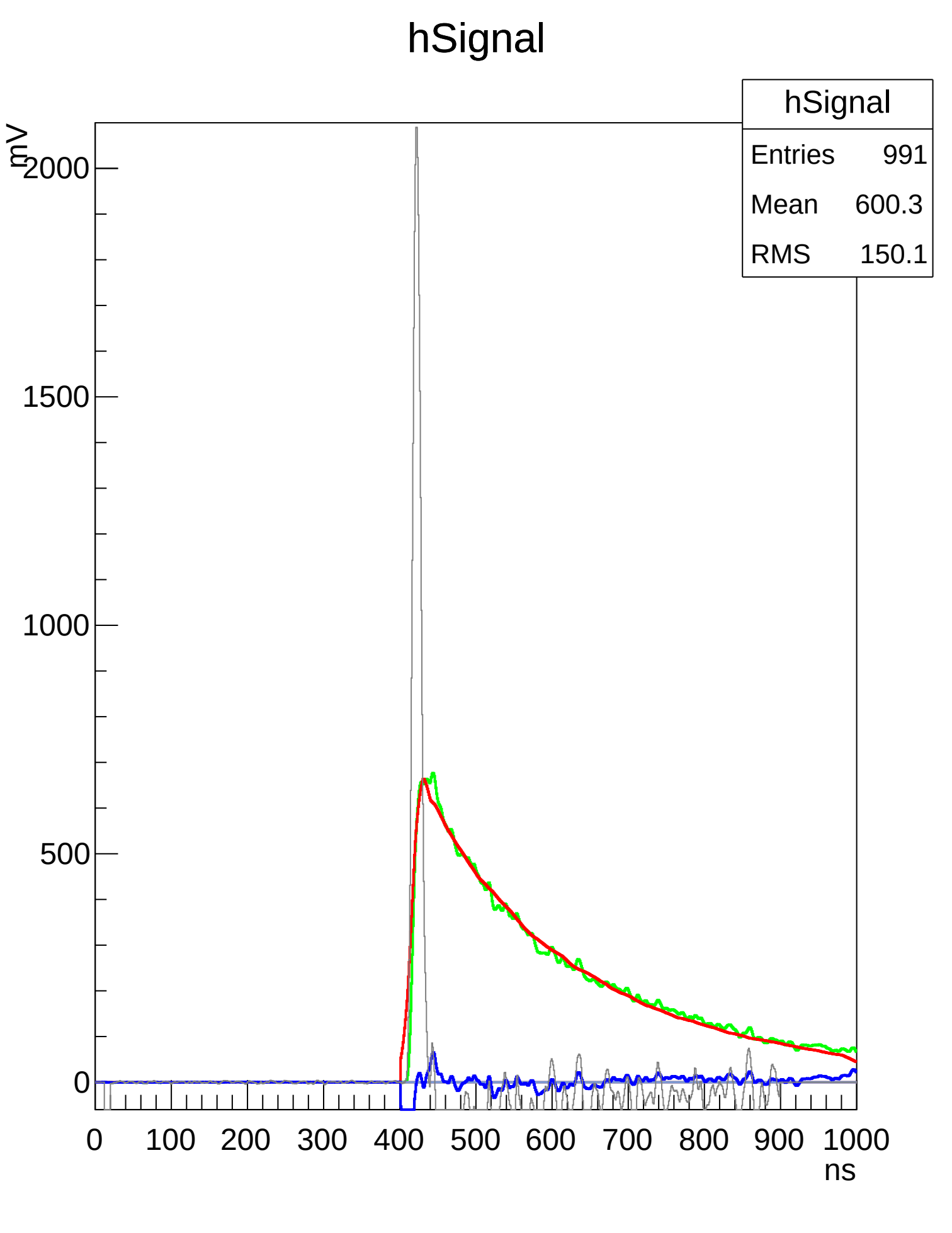
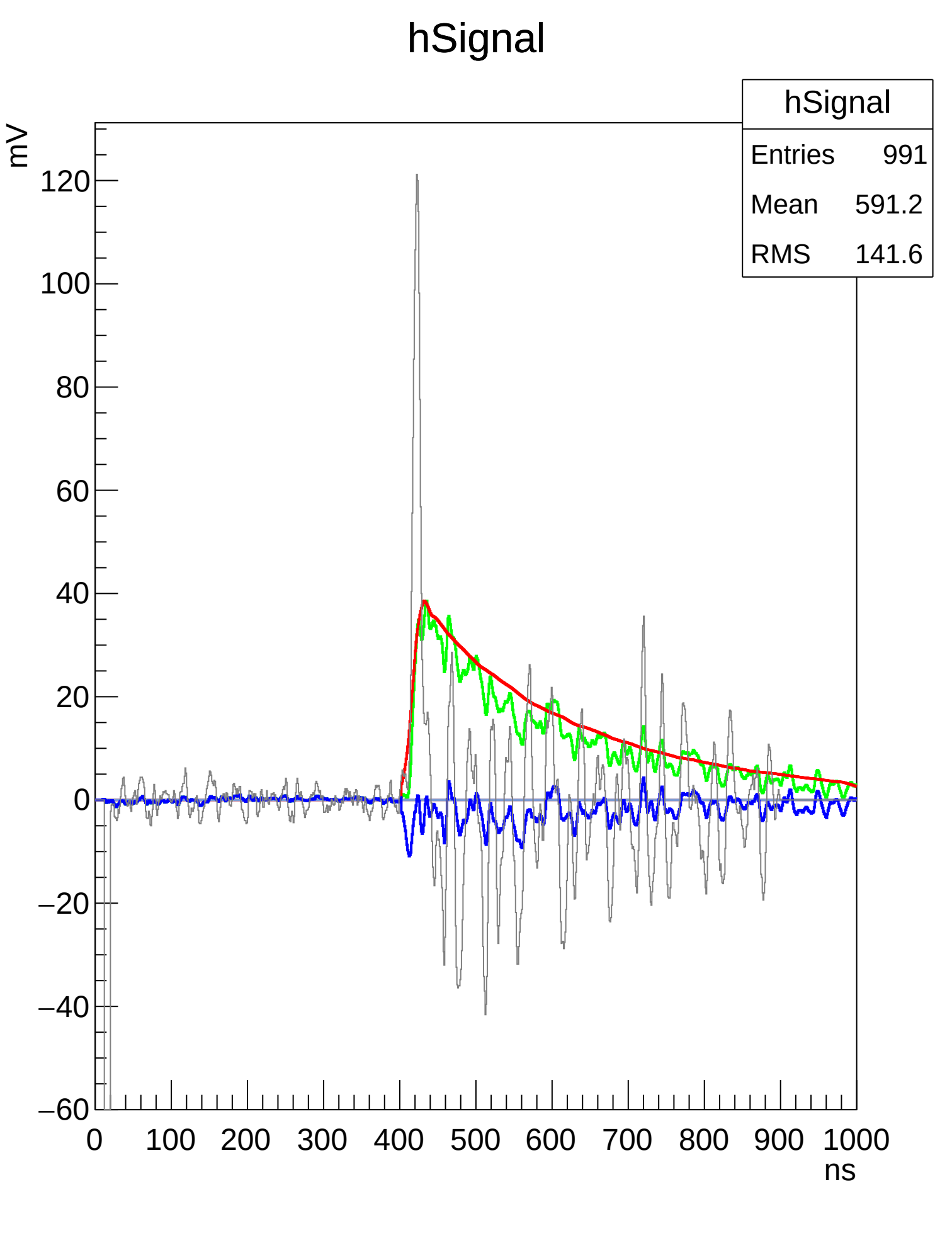
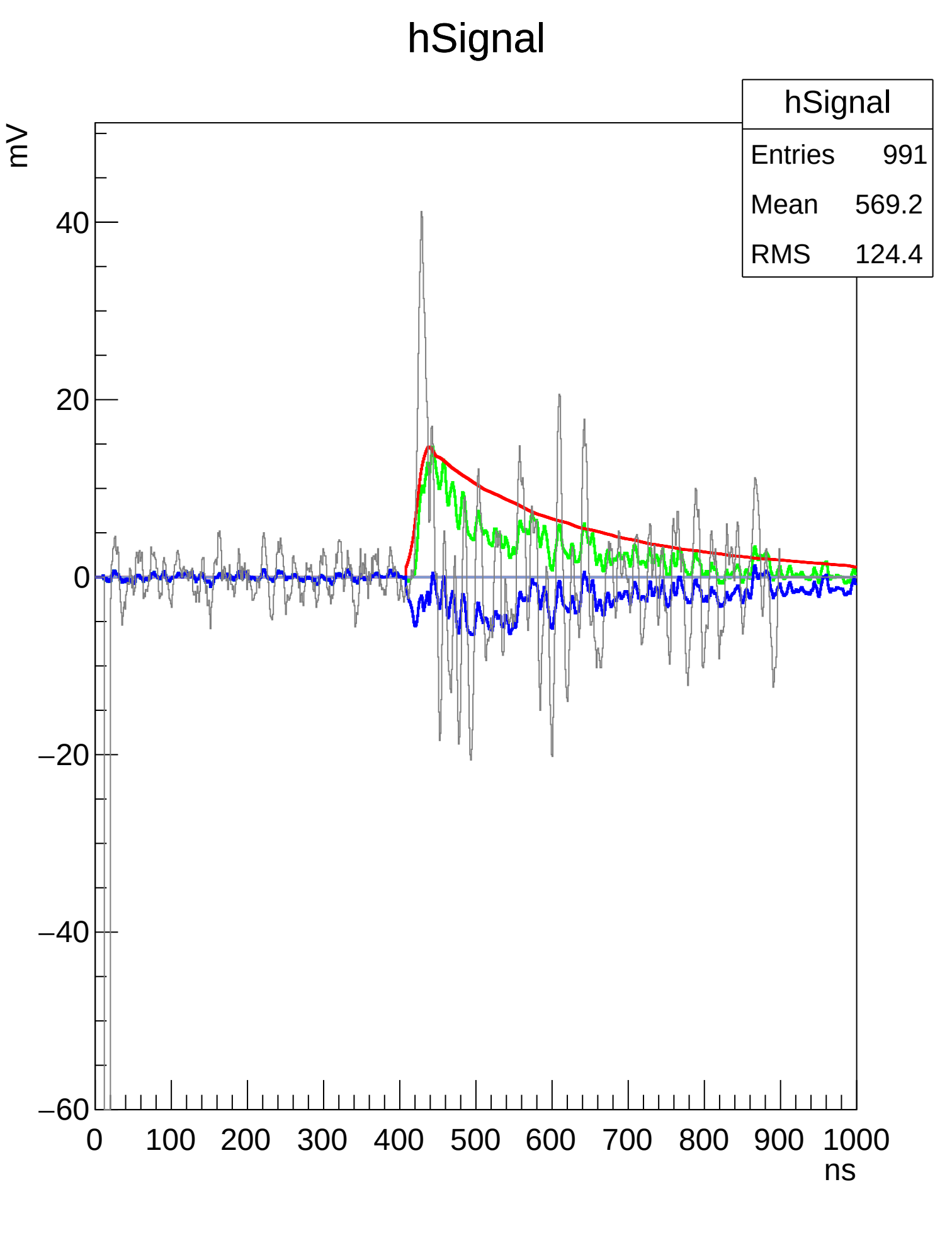
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.3
RMS 150.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.2
RMS 141.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.2
RMS 124.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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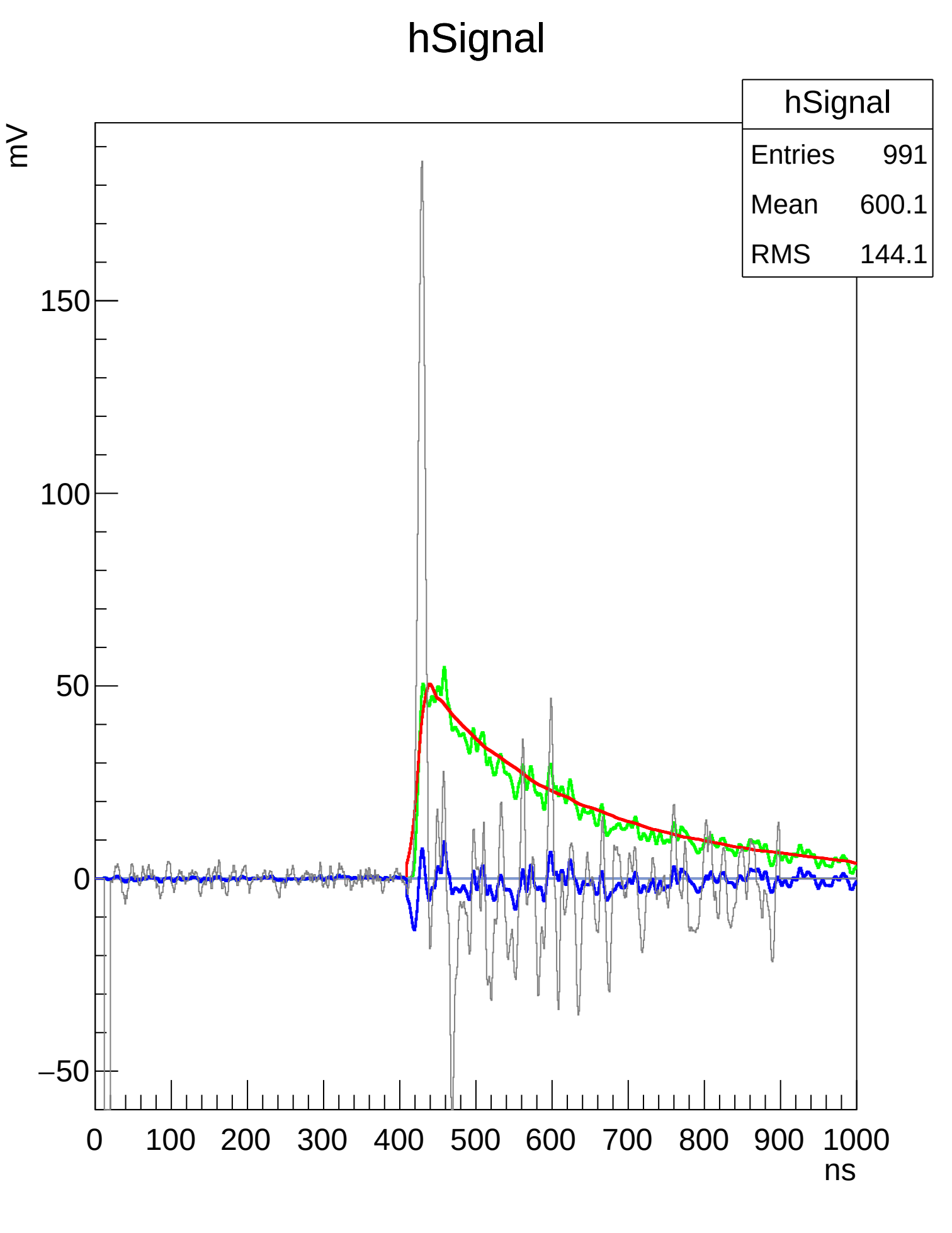
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.1
RMS 144.1
mV
150
100
50
0
−50
0
100
200
300
400
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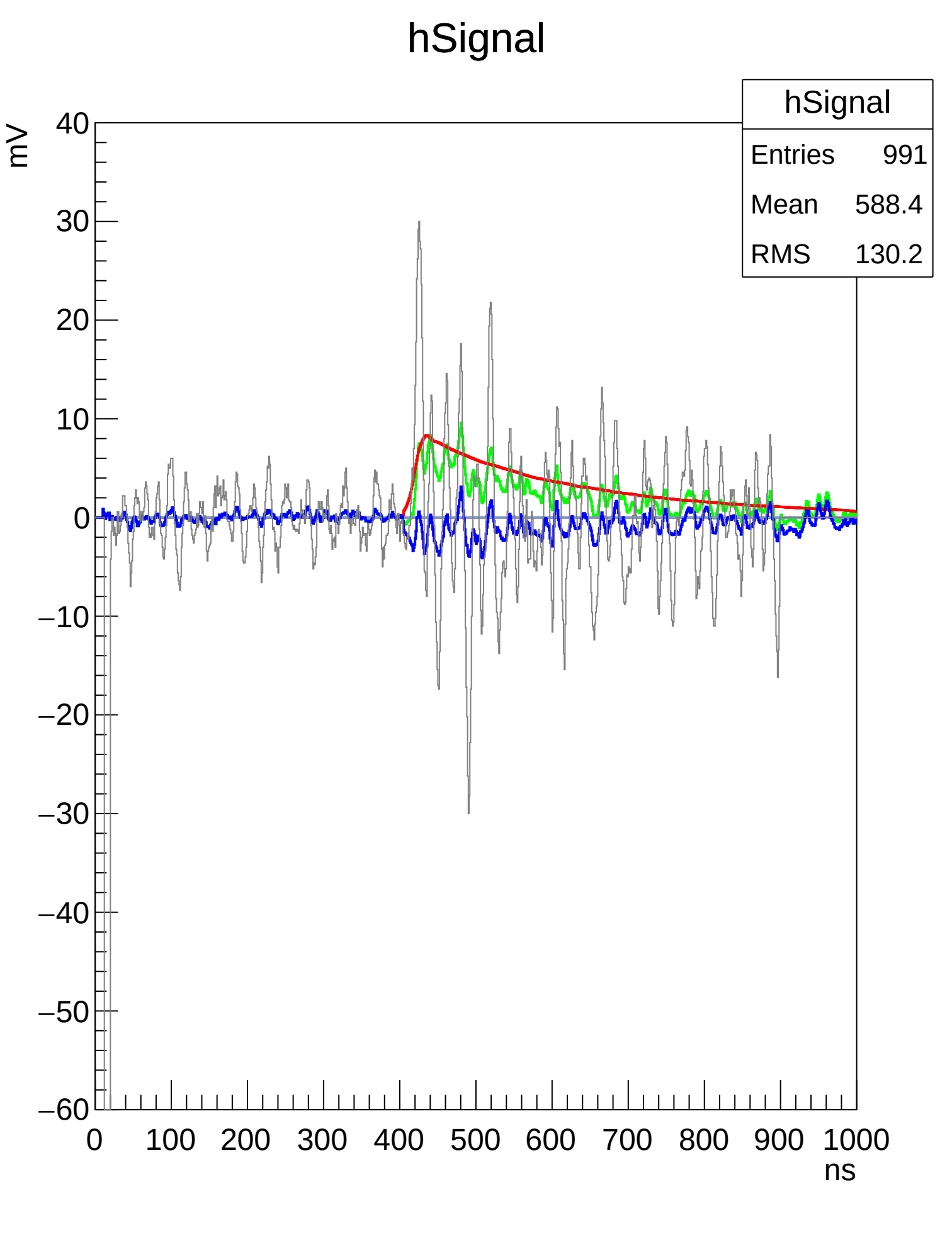
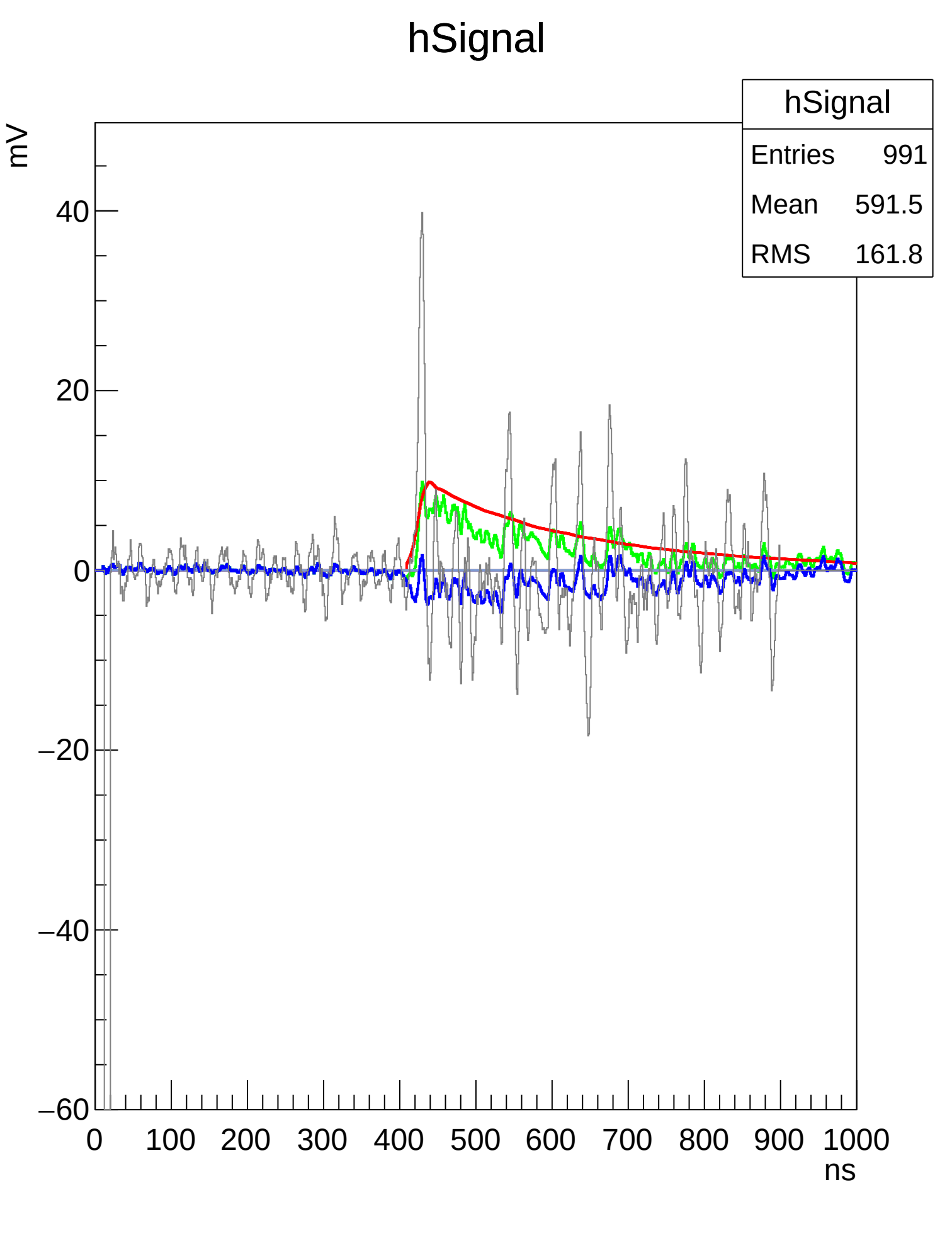
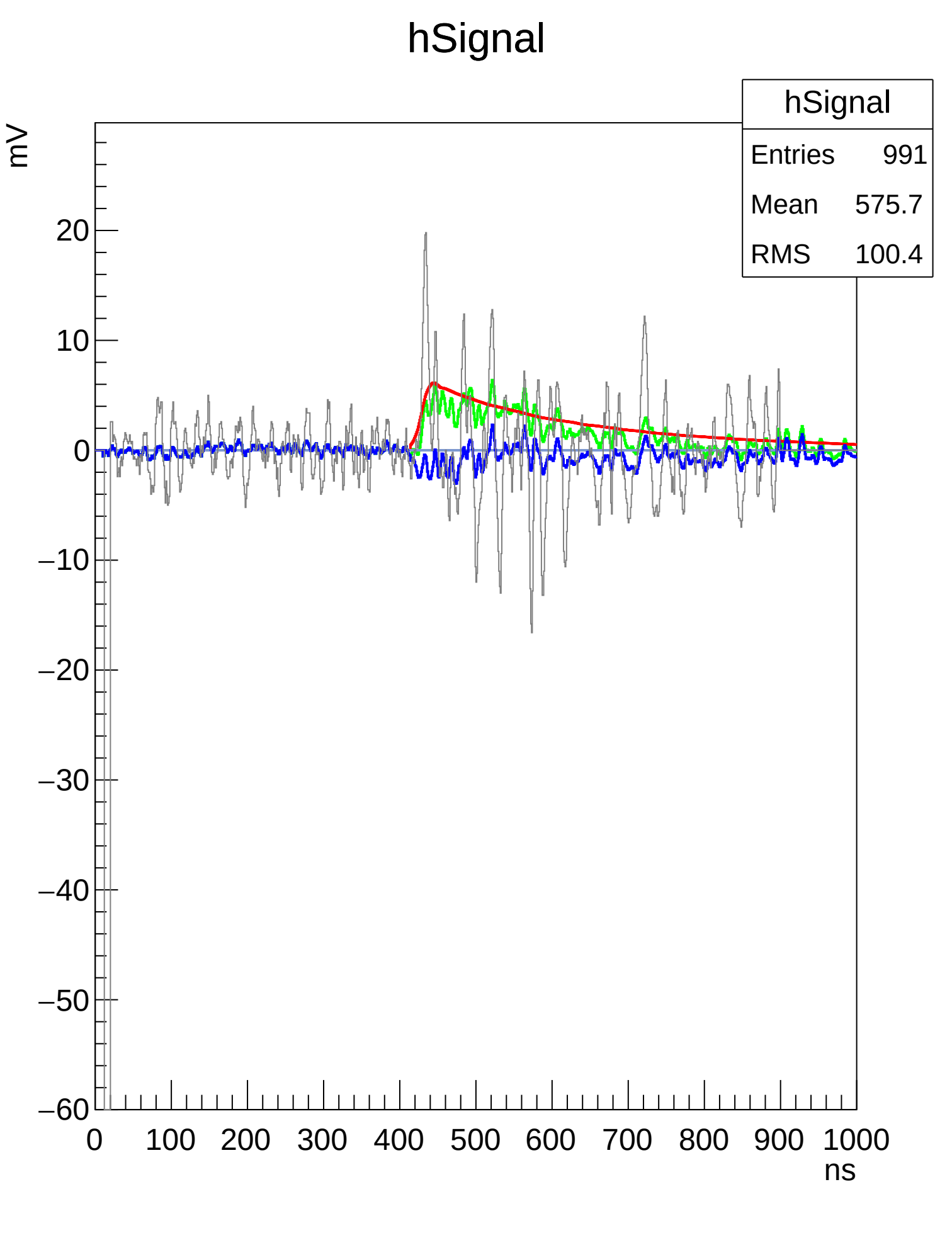
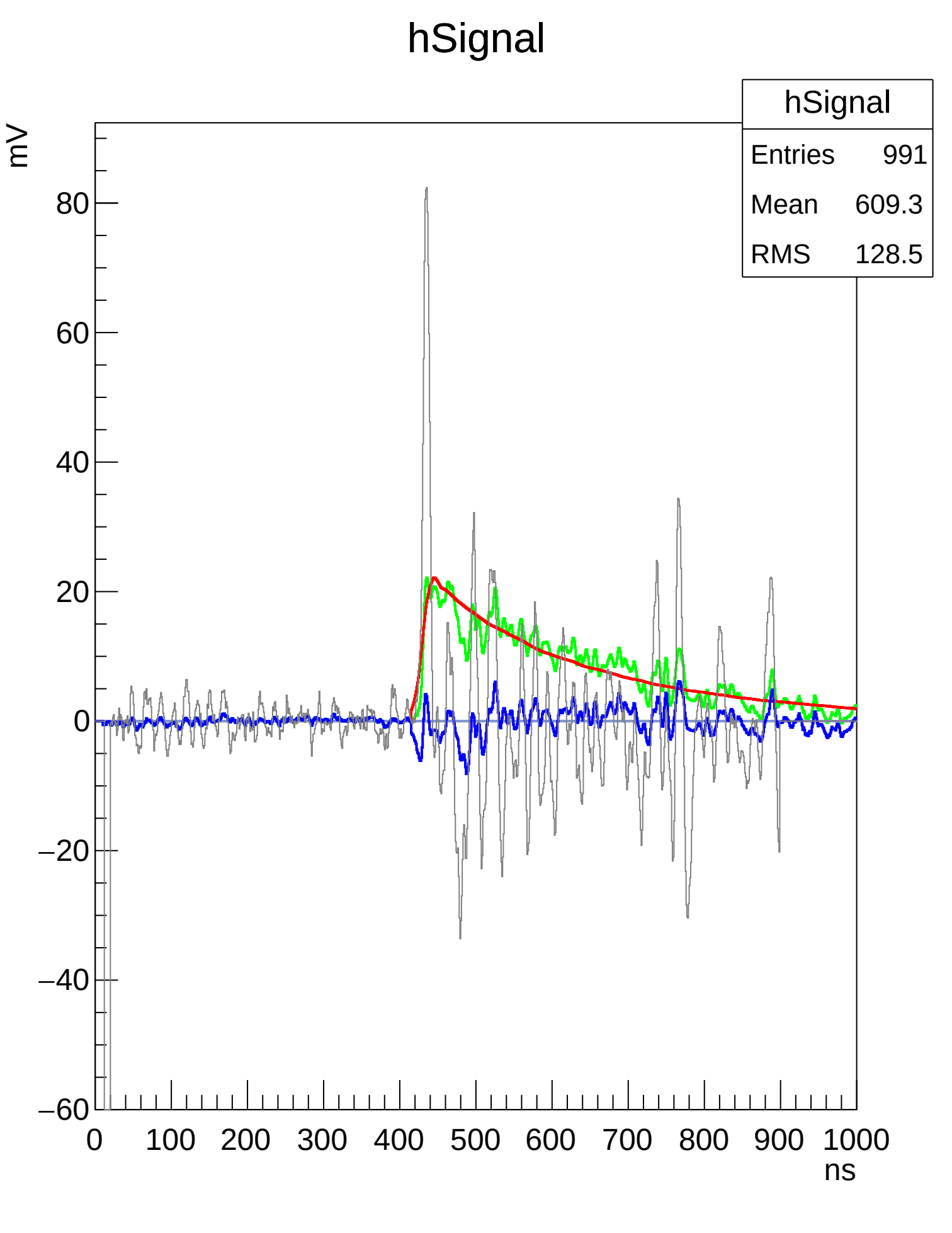
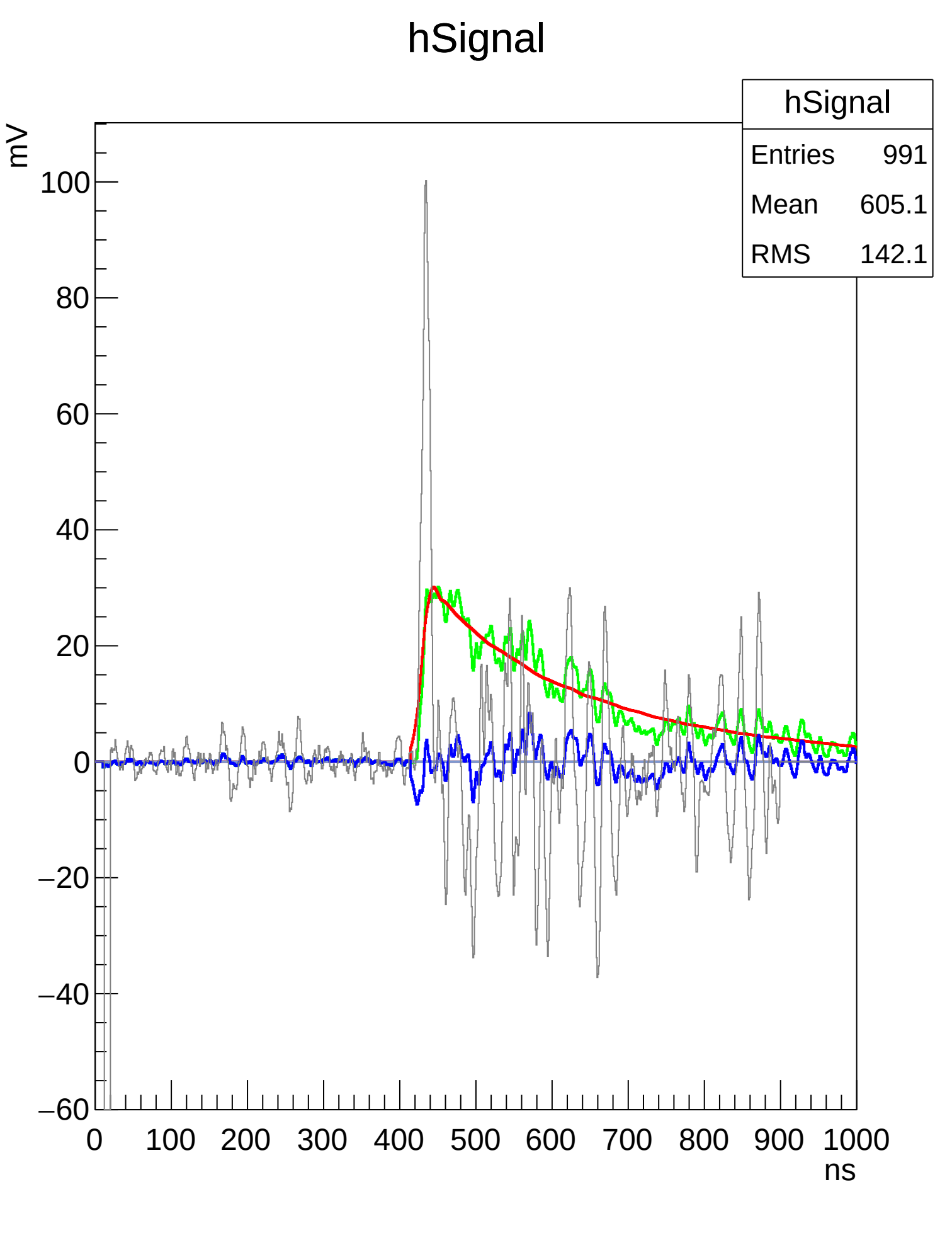
600
700
800
900
1000
ns

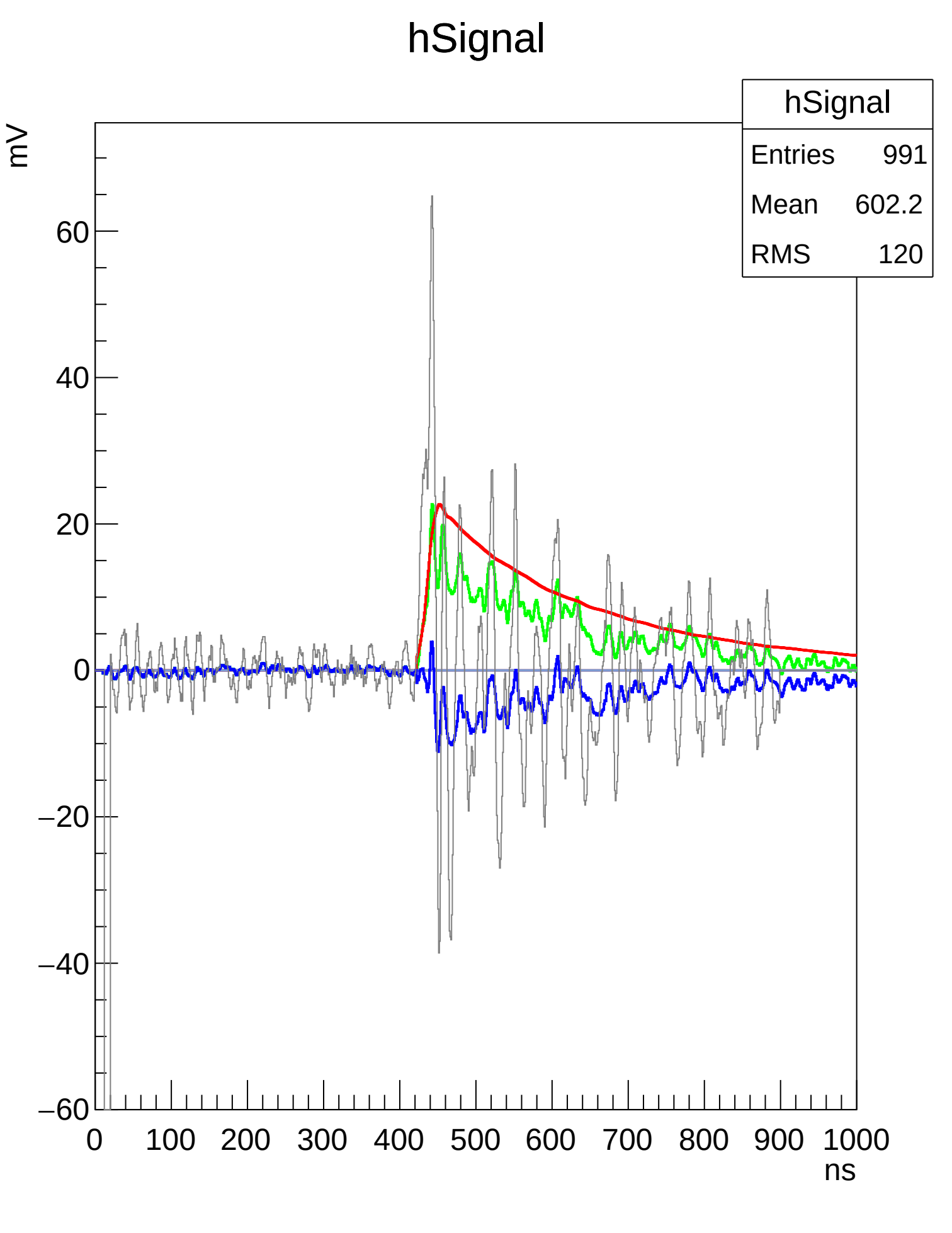

hSignal
hSignal
Entries 991
Mean 588.4
RMS 130.2
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

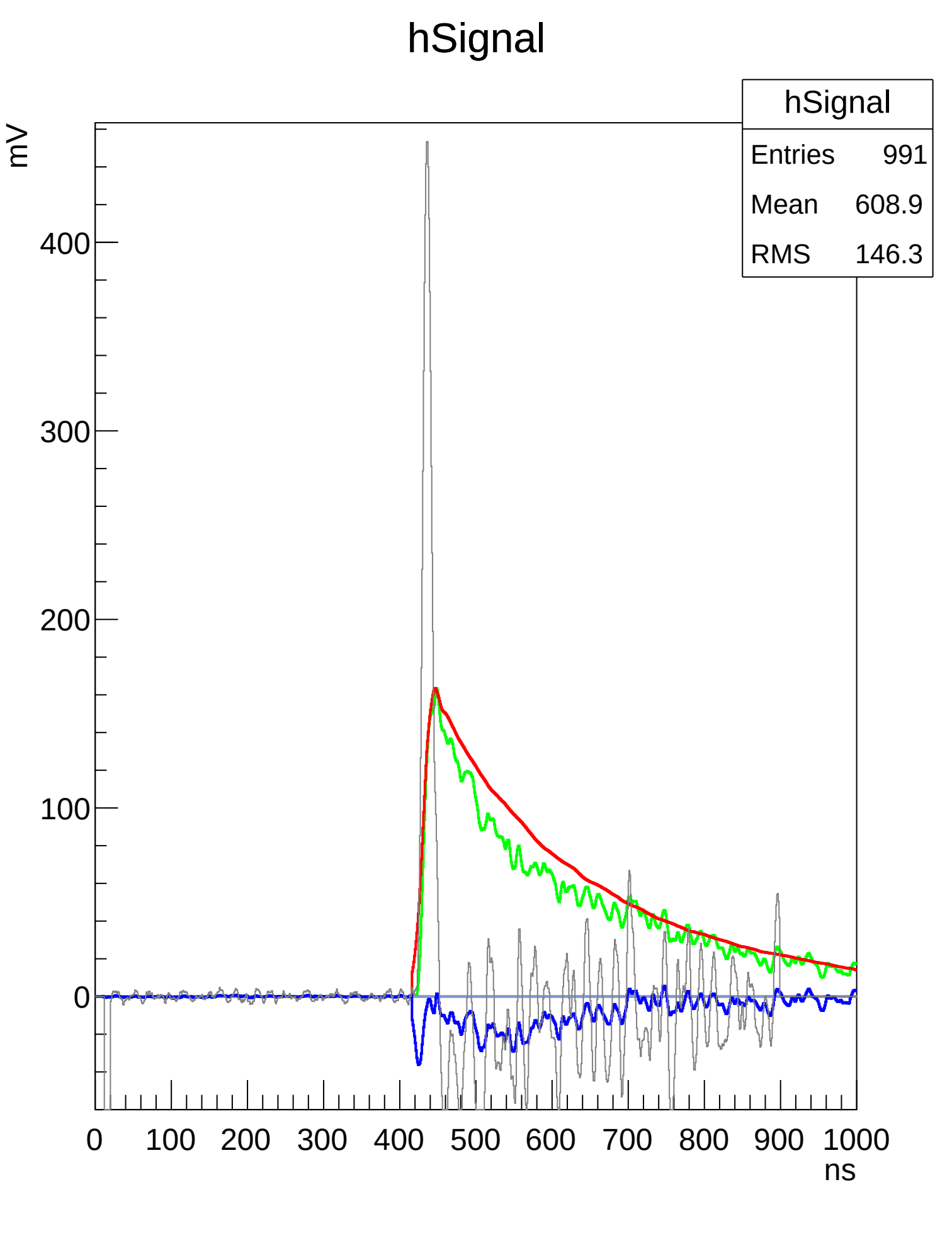

hSignal
hSignal
Entries 991
Mean 591.5
RMS 161.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

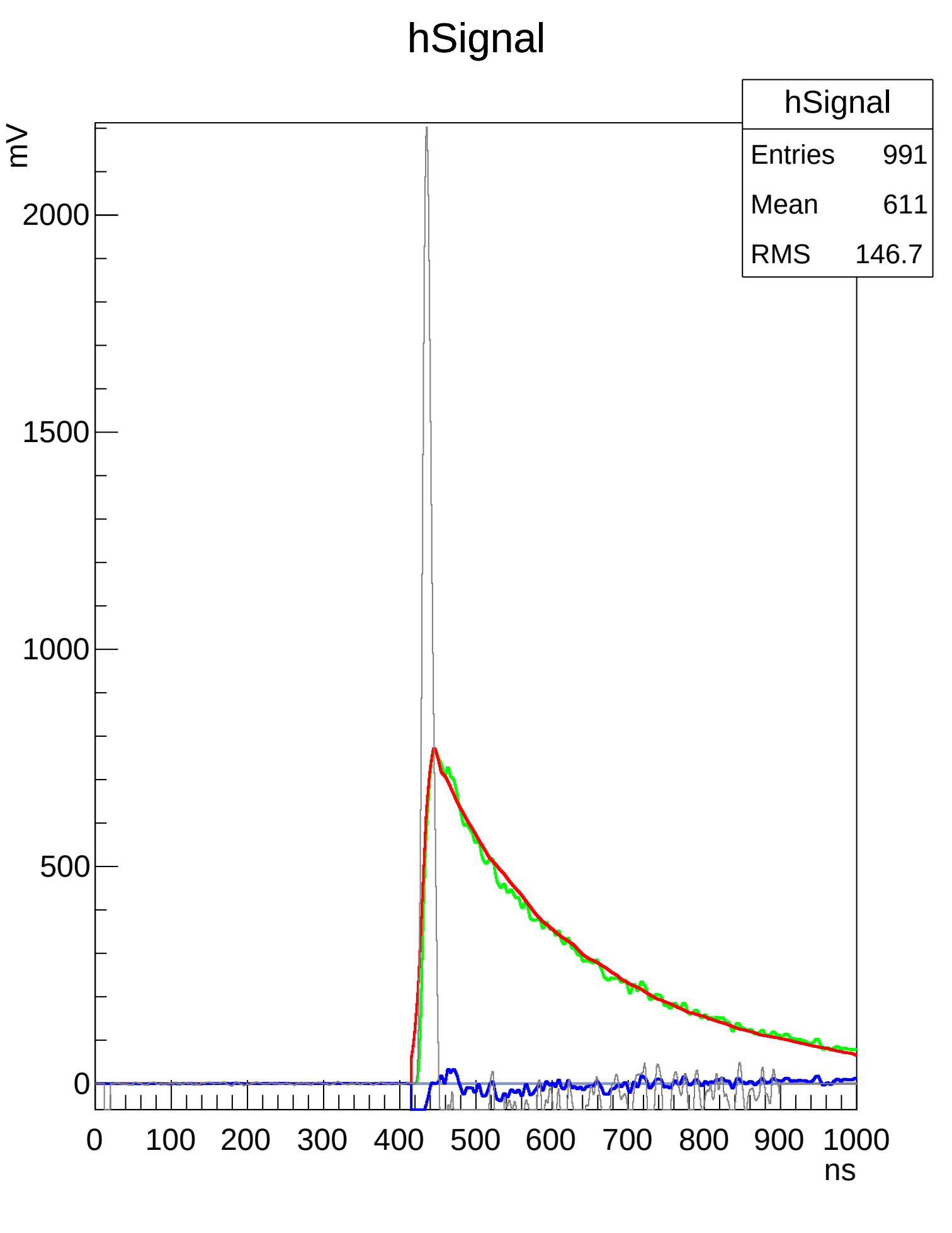

hSignal
hSignal
Entries 991
Mean 575.7
RMS 100.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

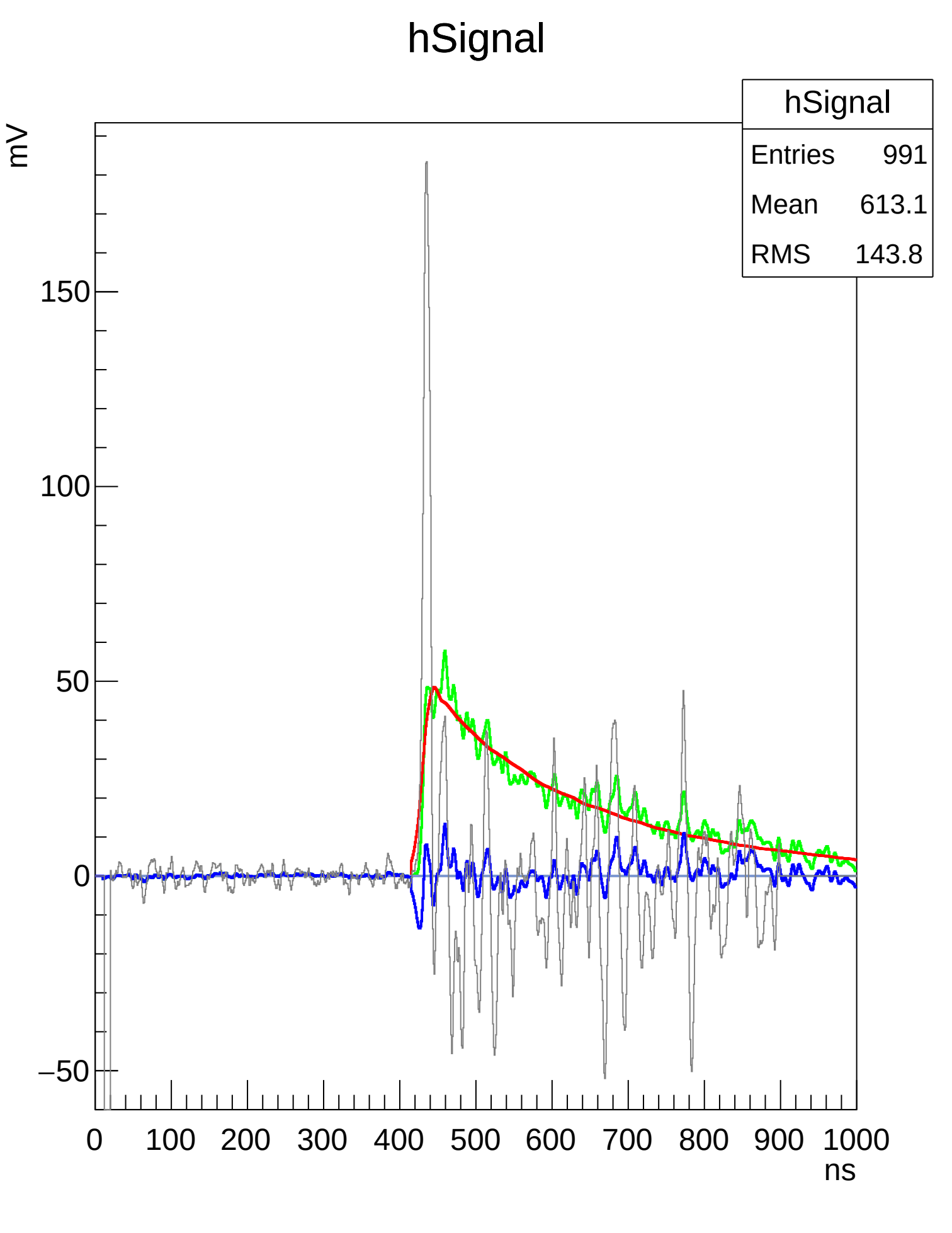

hSignal
hSignal
Entries 991
Mean 609.3
RMS 128.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

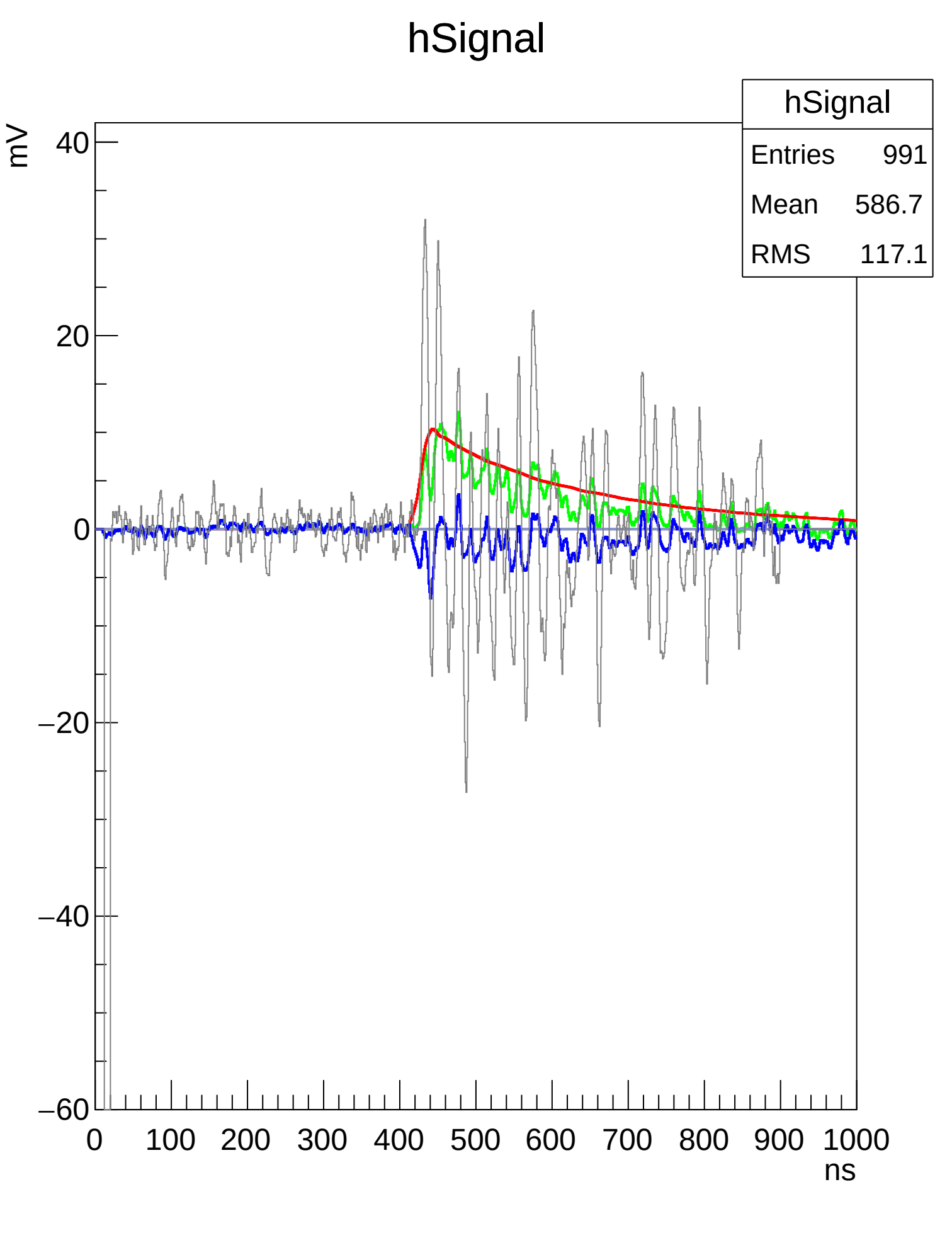

hSignal
hSignal
Entries 991
Mean 605.1
RMS 142.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

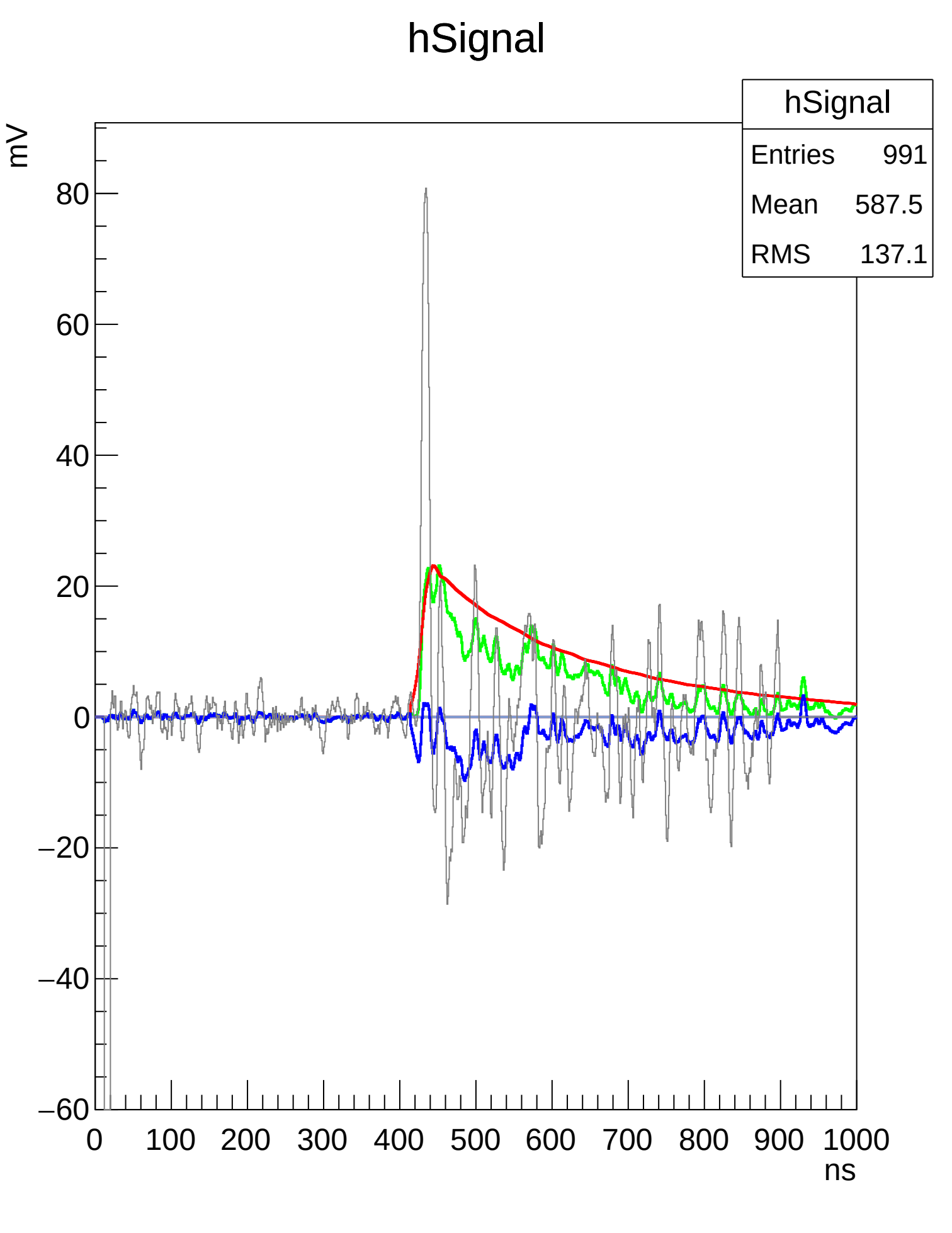

hSignal
hSignal
Entries 991
Mean 602.2
RMS 120
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

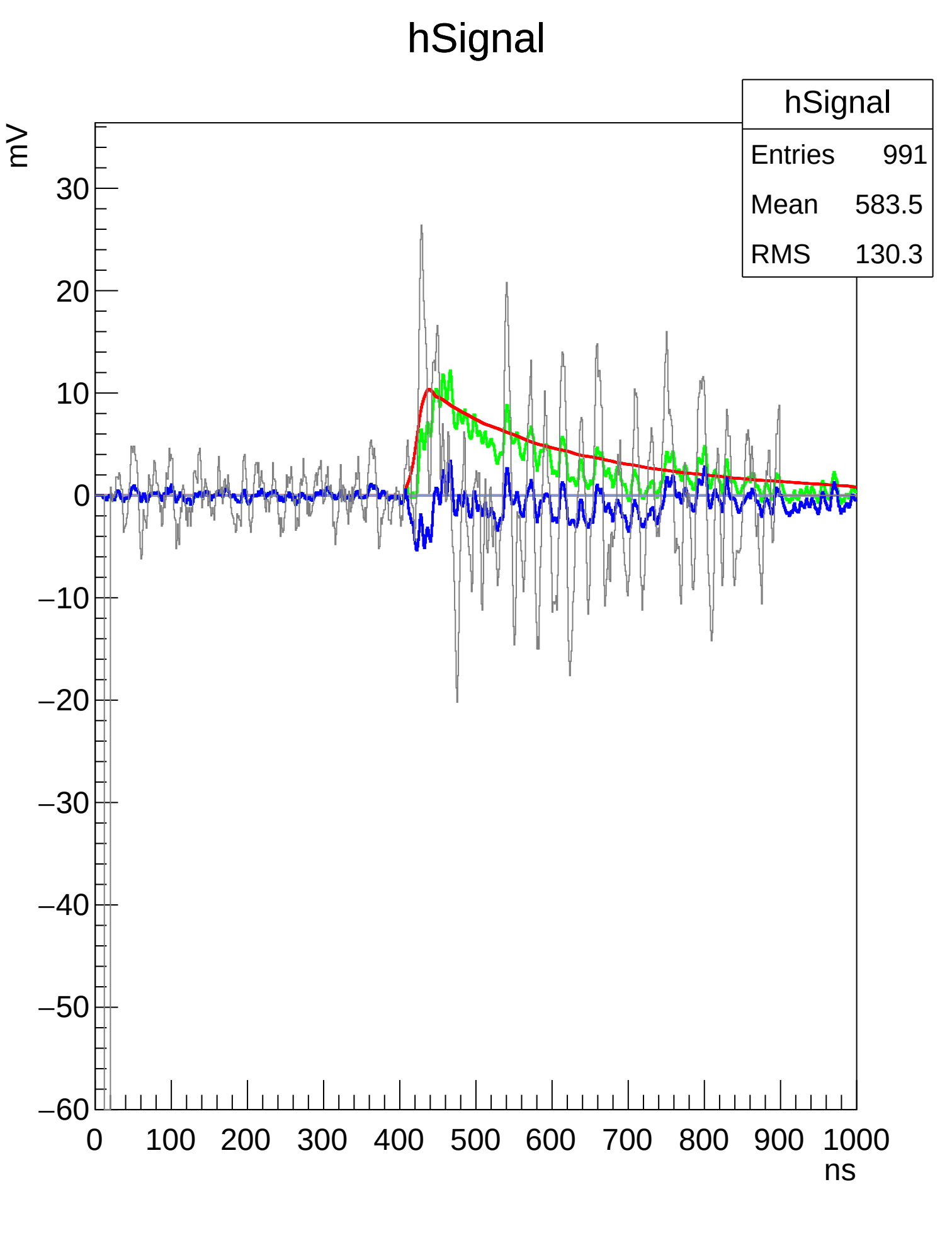

hSignal
hSignal
Entries 991
Mean 608.9
RMS 146.3
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

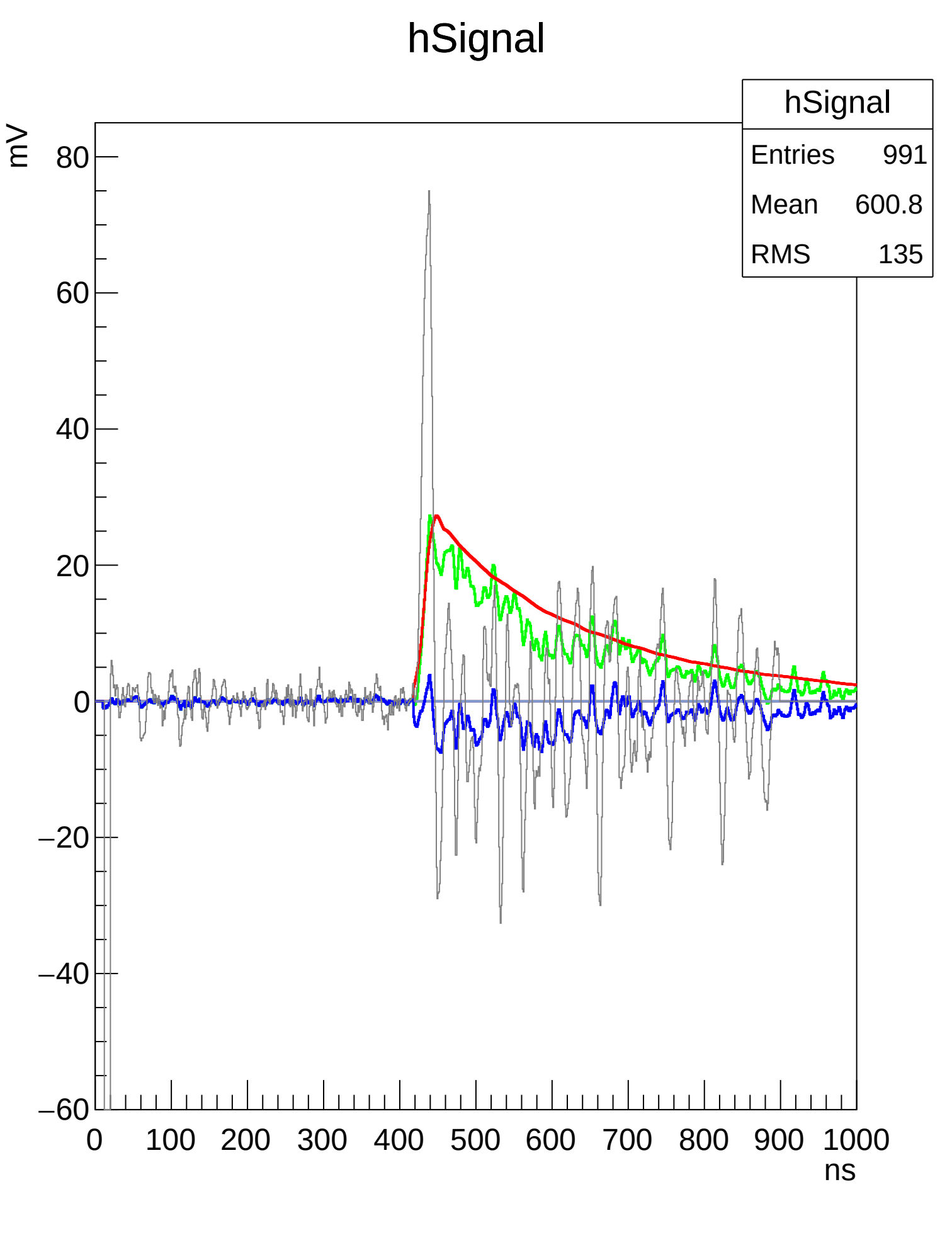

hSignal
hSignal
Entries 991
Mean 611
RMS 146.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

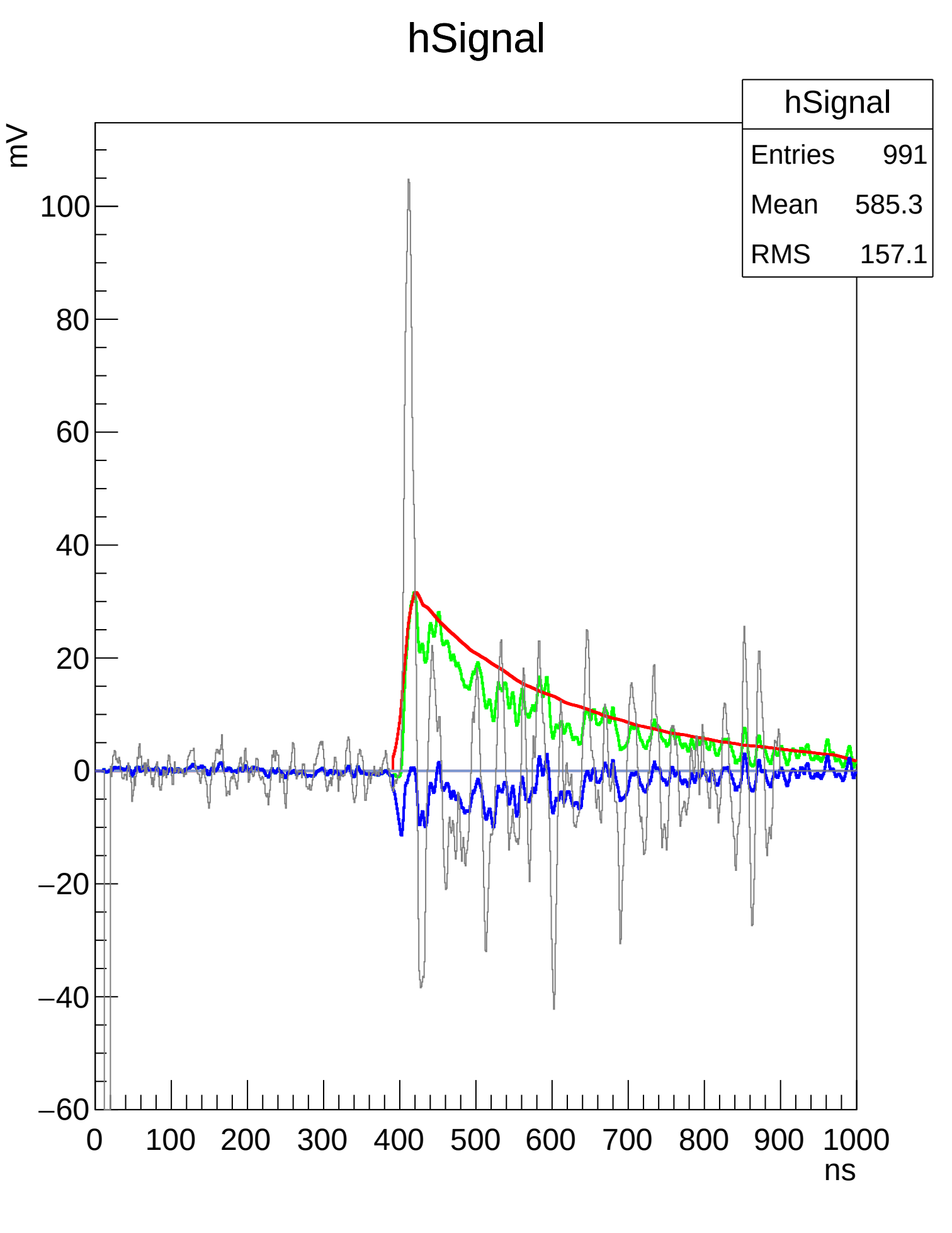

hSignal
hSignal
Entries 991
Mean 613.1
RMS 143.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

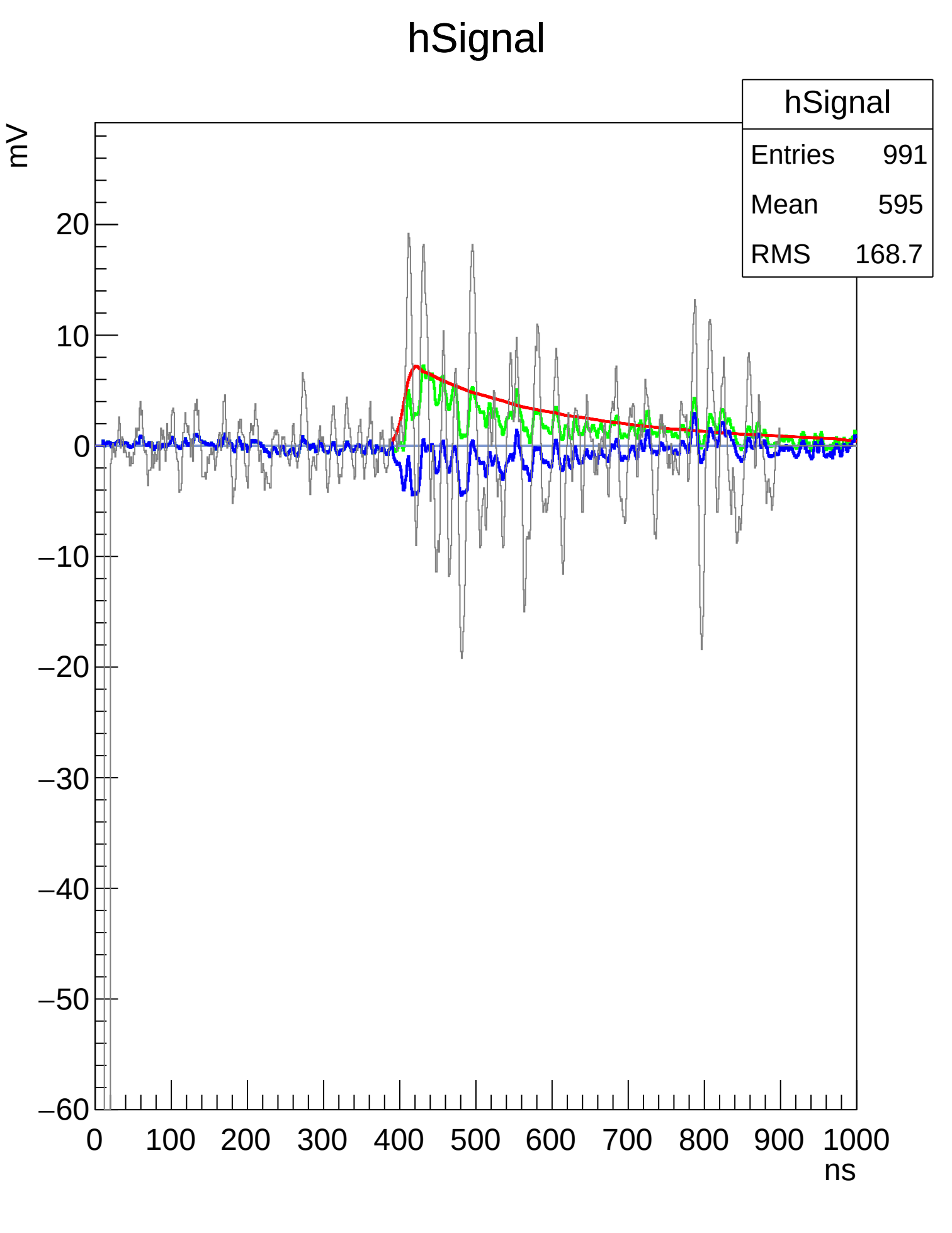

hSignal
hSignal
Entries 991
Mean 586.7
RMS 117.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

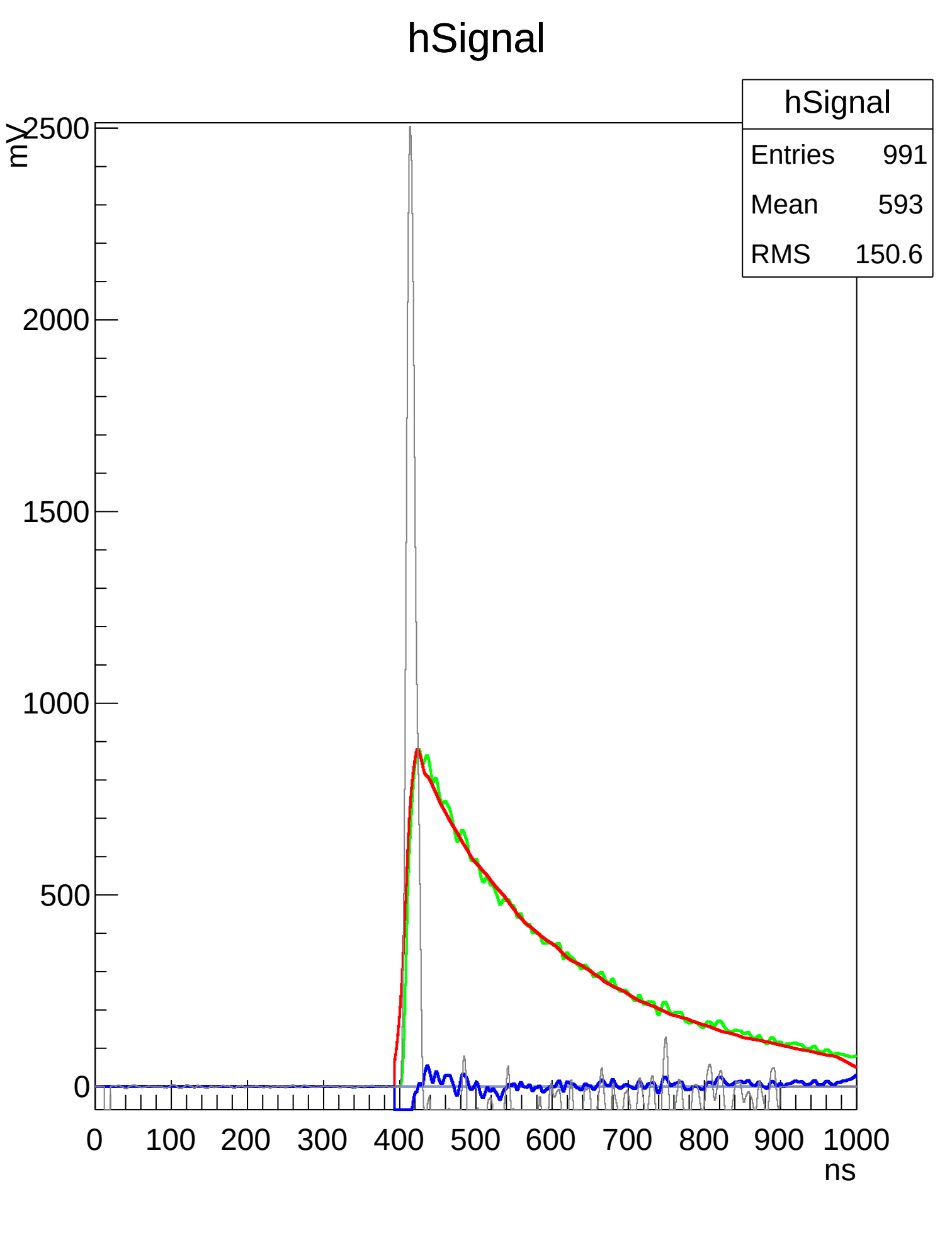

hSignal
hSignal
Entries 991
Mean 587.5
RMS 137.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

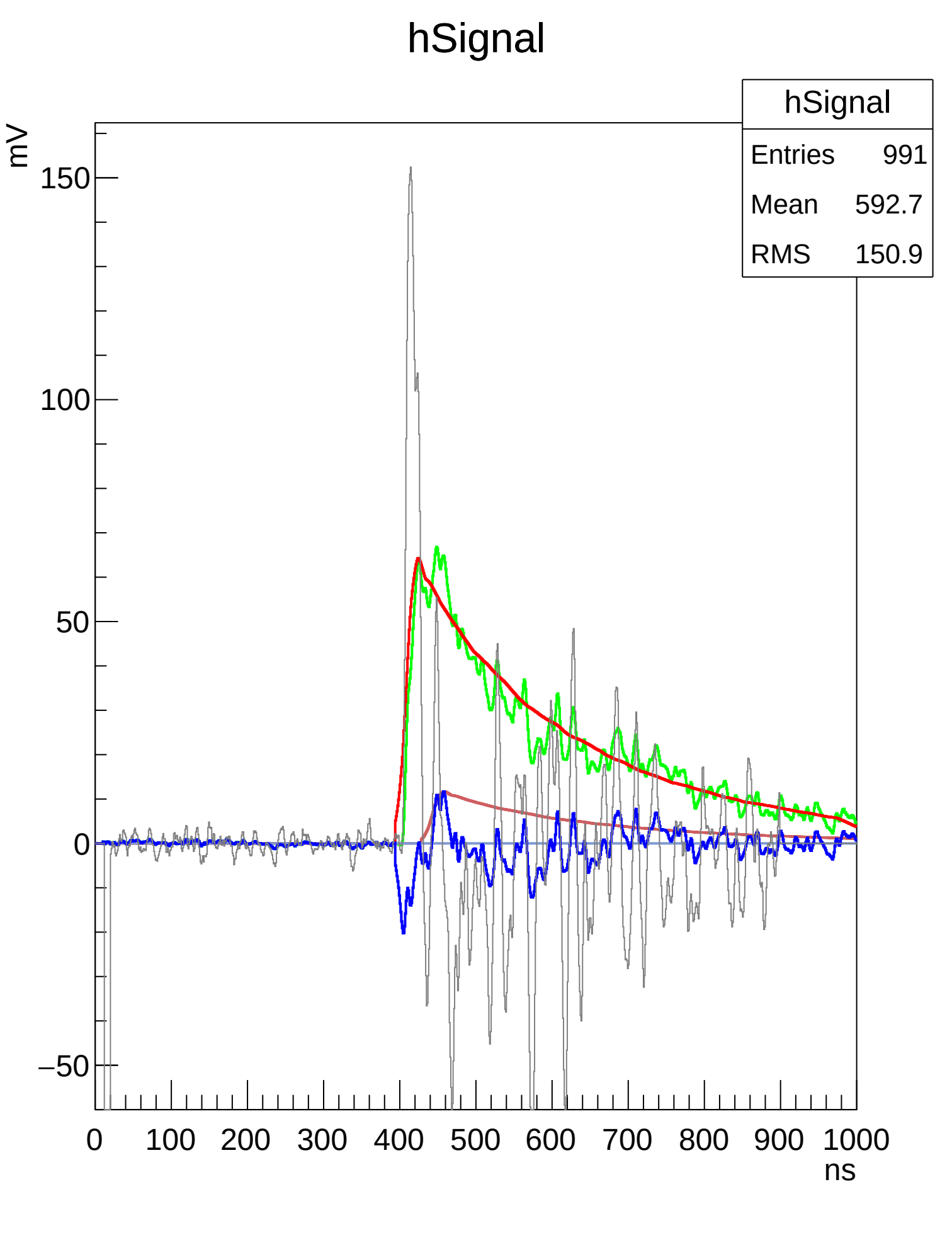

hSignal
hSignal
Entries 991
Mean 583.5
RMS 130.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

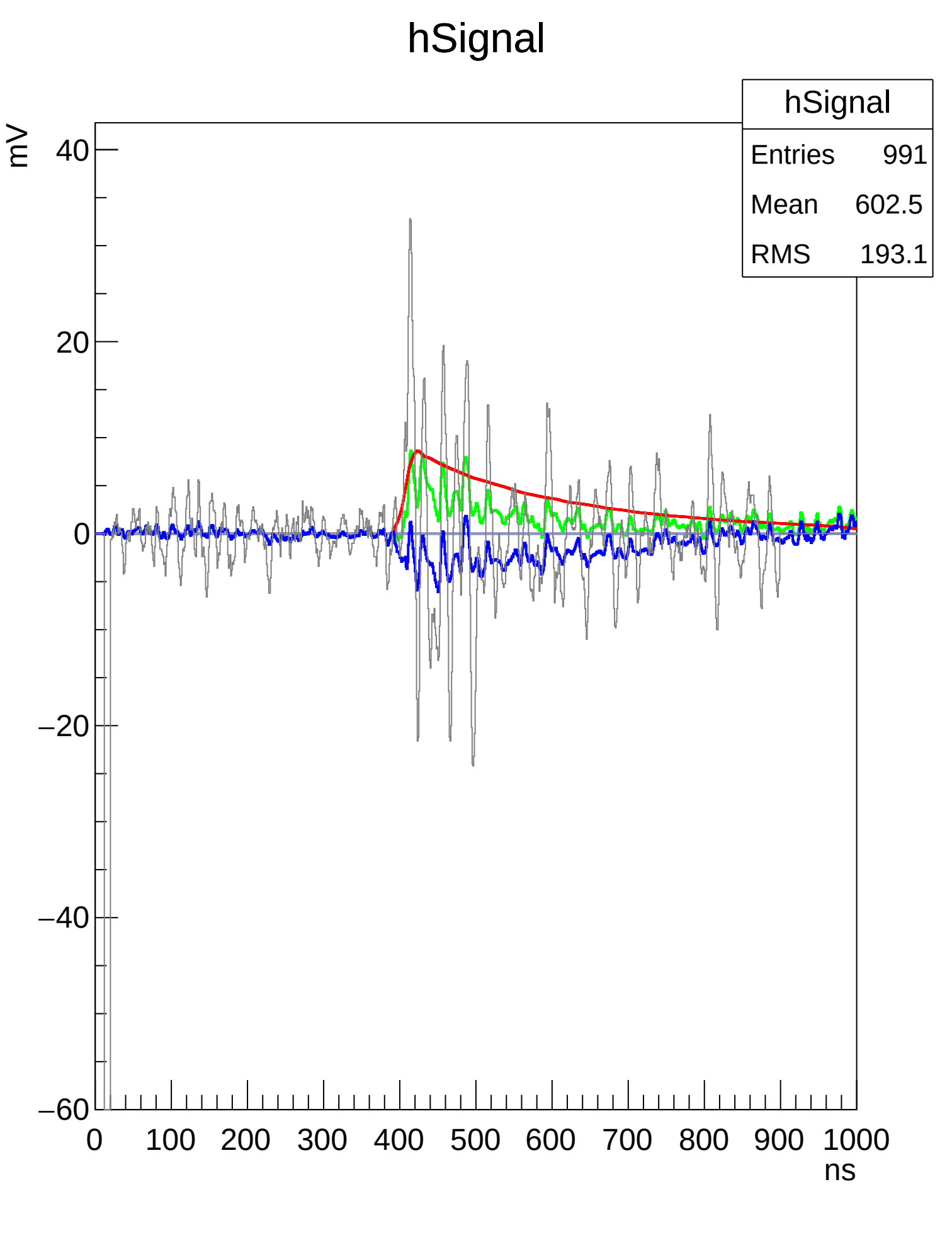

hSignal
hSignal
Entries 991
Mean 600.8
RMS 135
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

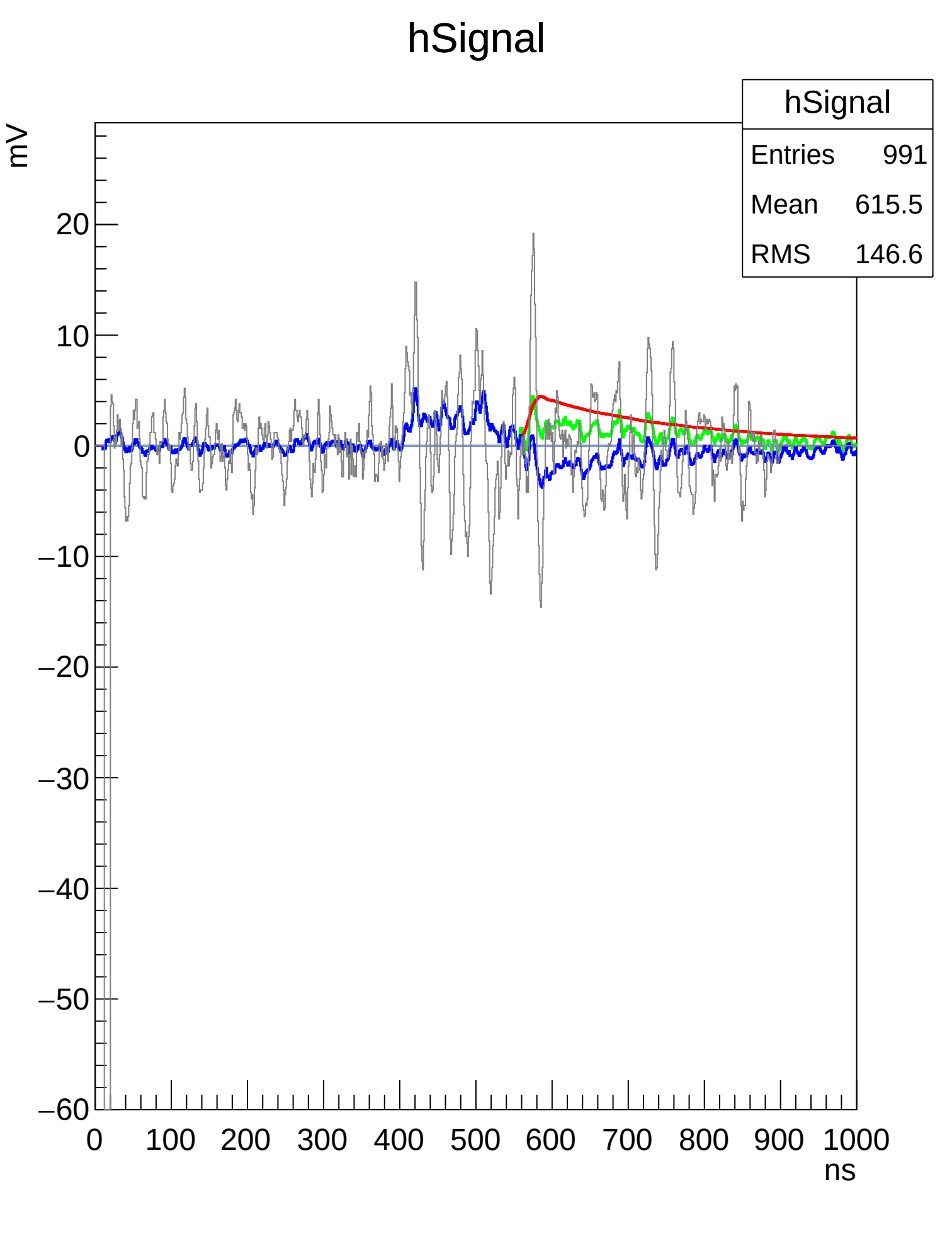

hSignal
hSignal
Entries 991
Mean 585.3
RMS 157.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

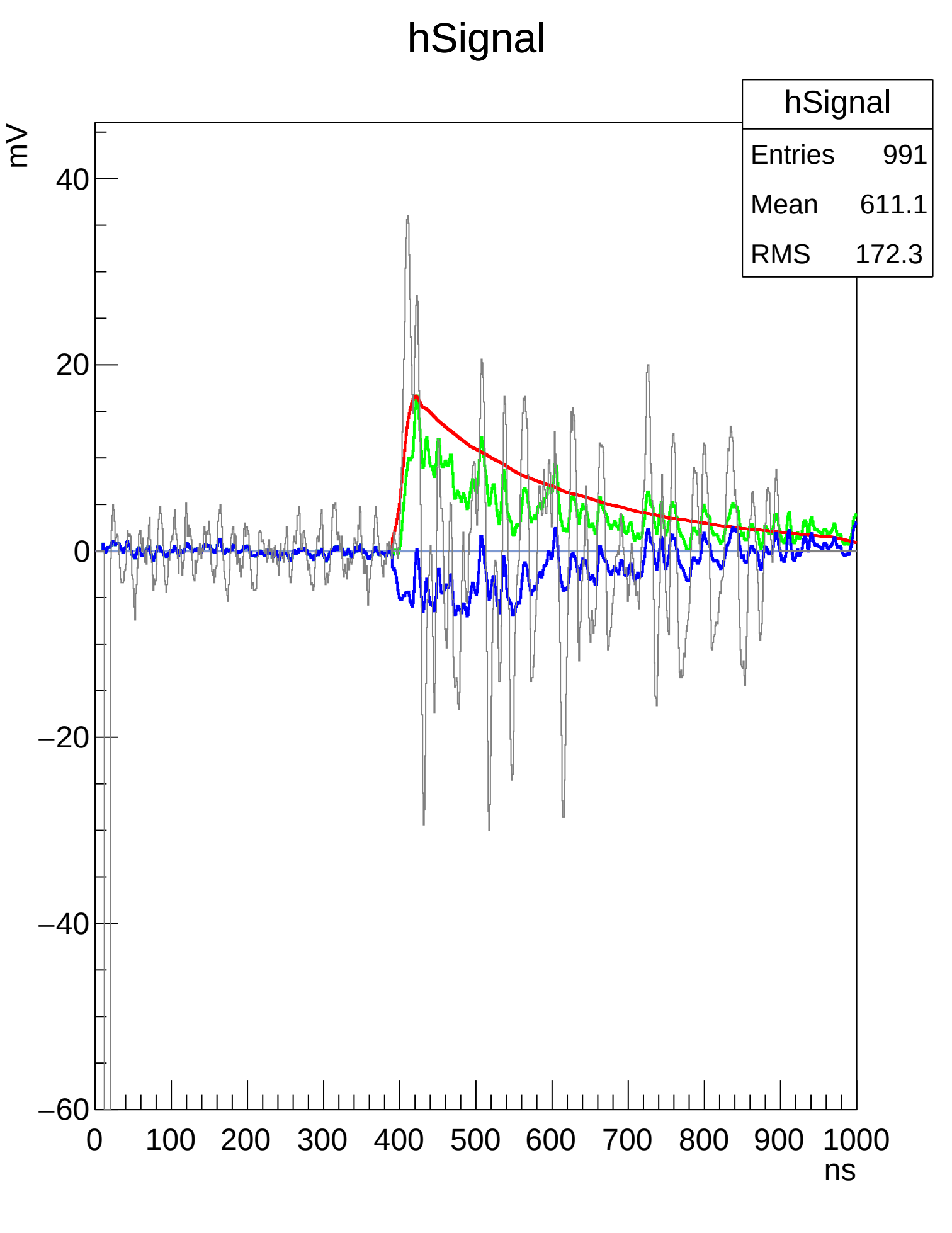

hSignal
hSignal
Entries 991
Mean 595
RMS 168.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

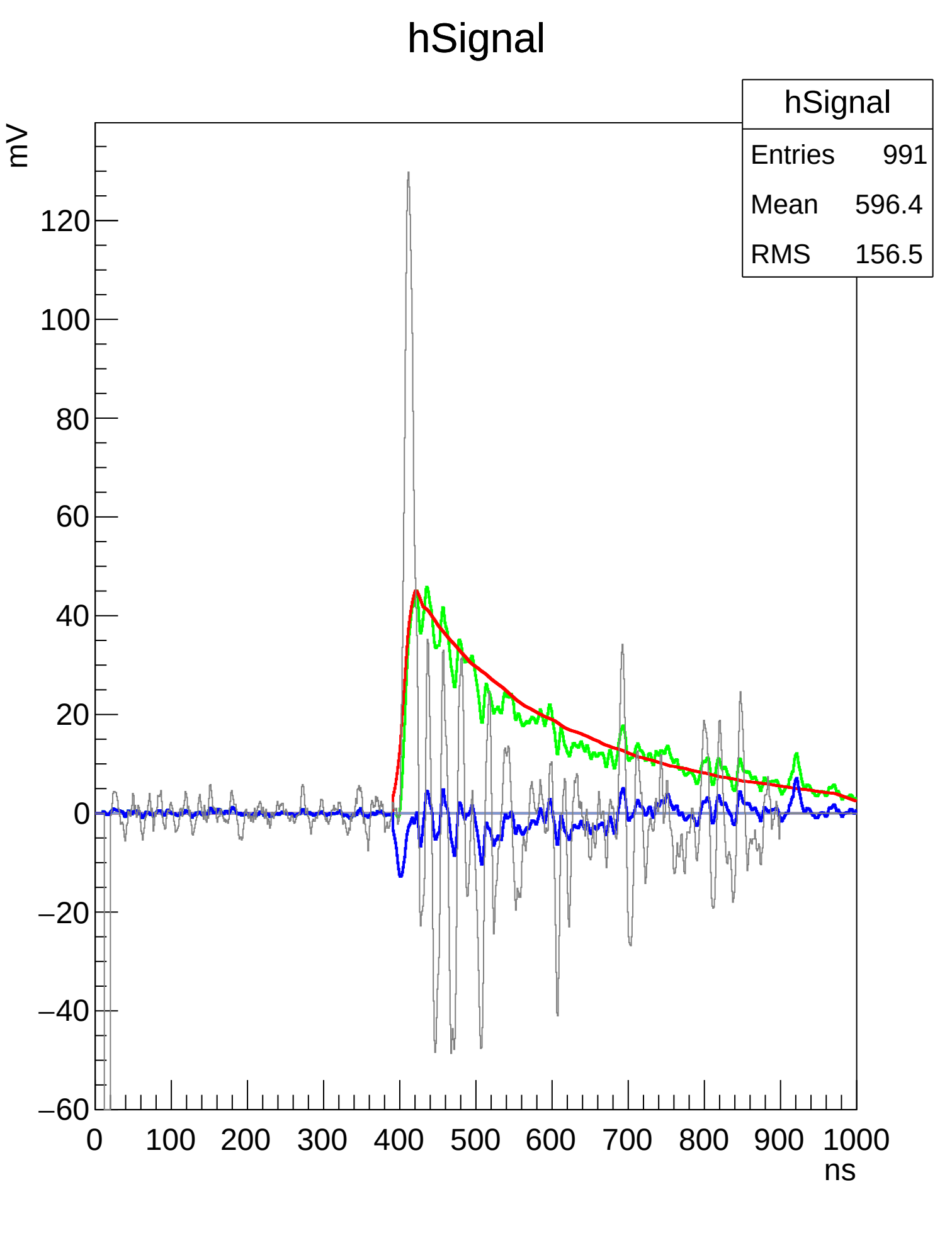

hSignal
hSignal
Entries 991
Mean 593
RMS 150.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

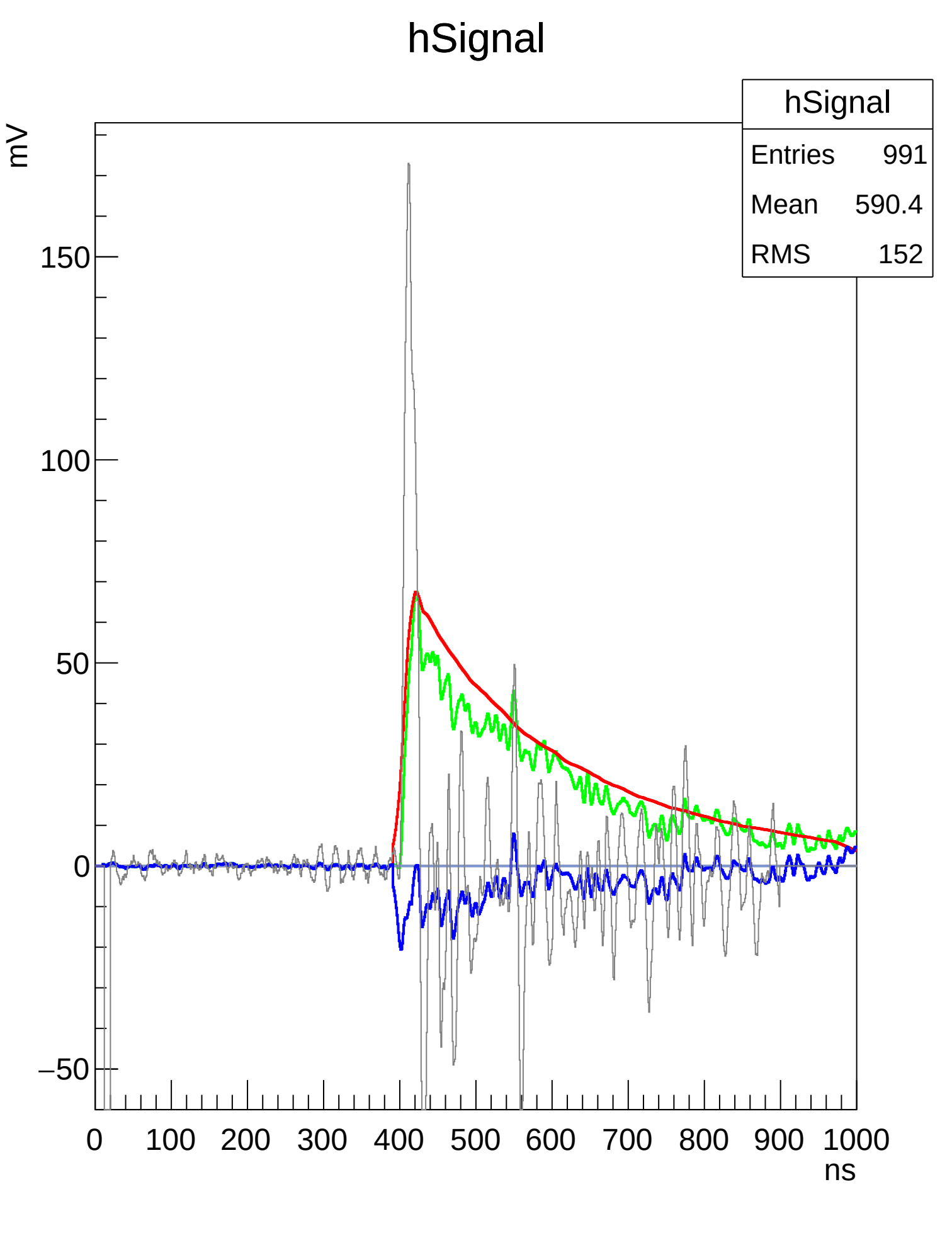

hSignal
hSignal
Entries 991
Mean 592.7
RMS 150.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.5
RMS 193.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.5
RMS 146.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.1
RMS 172.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 156.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.4
RMS 152
mV
150
100
50
0
−50
0
100
200
300
400
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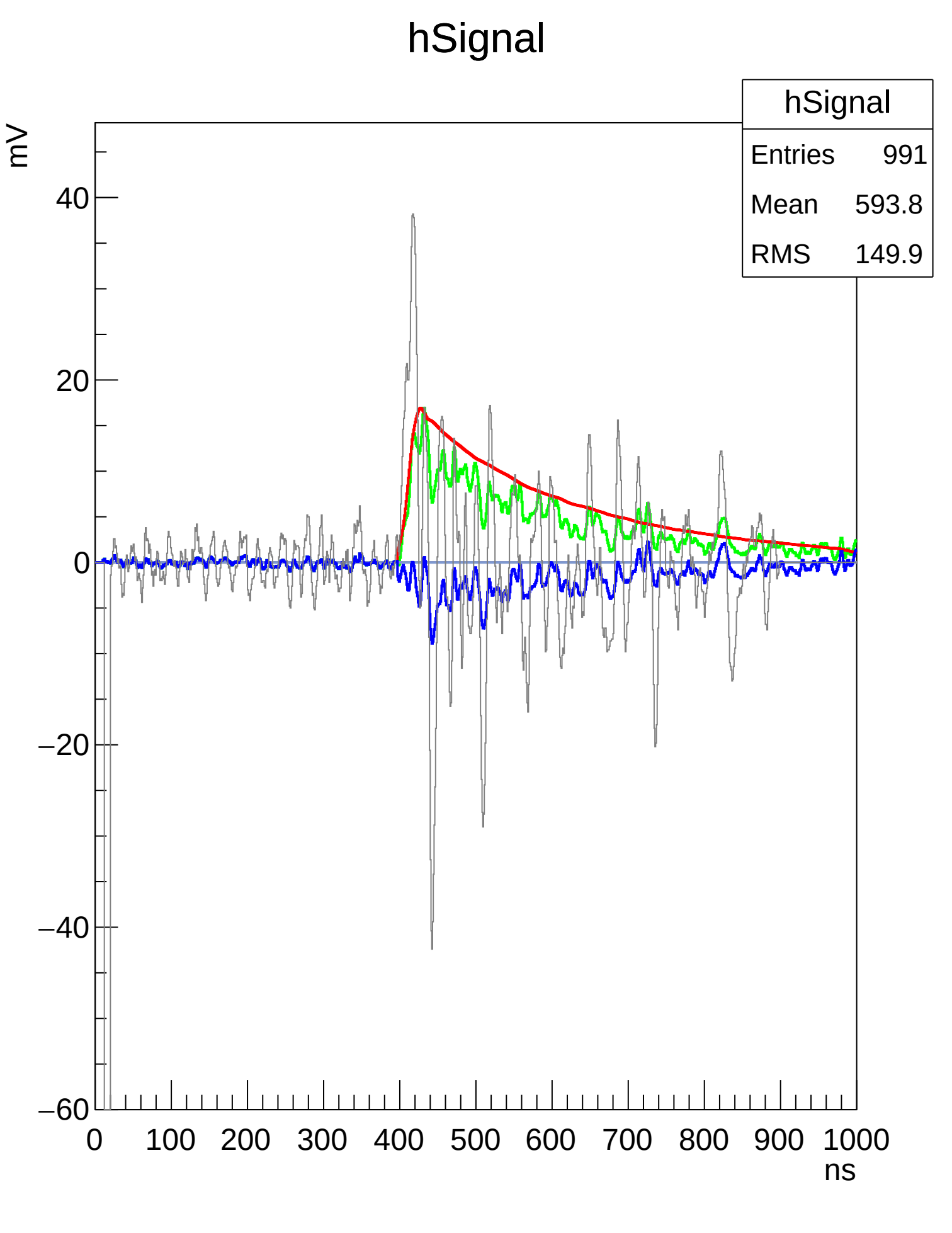
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.8
RMS 149.9
mV
40
20
0
−20
−40
−60
0
100
200
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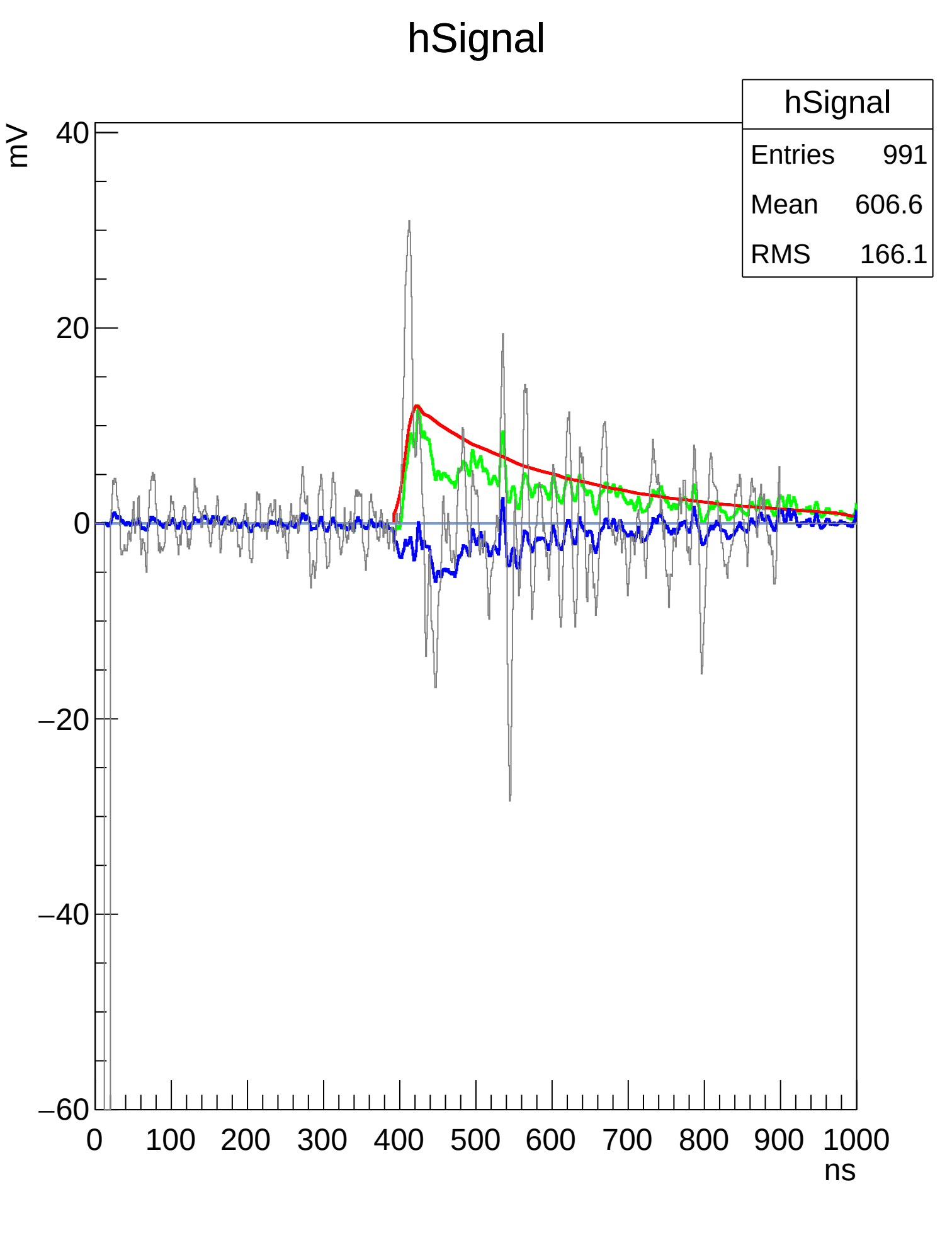
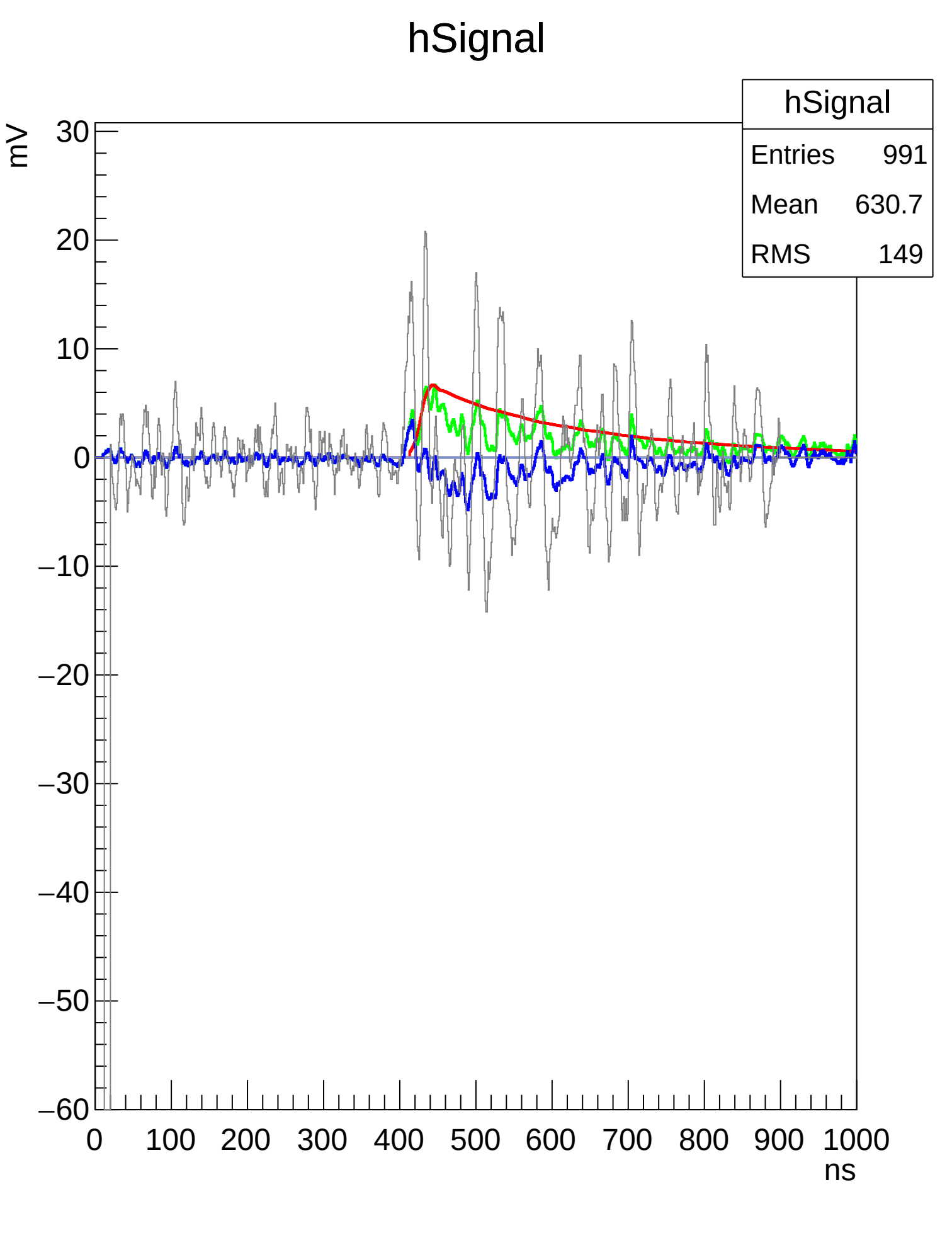
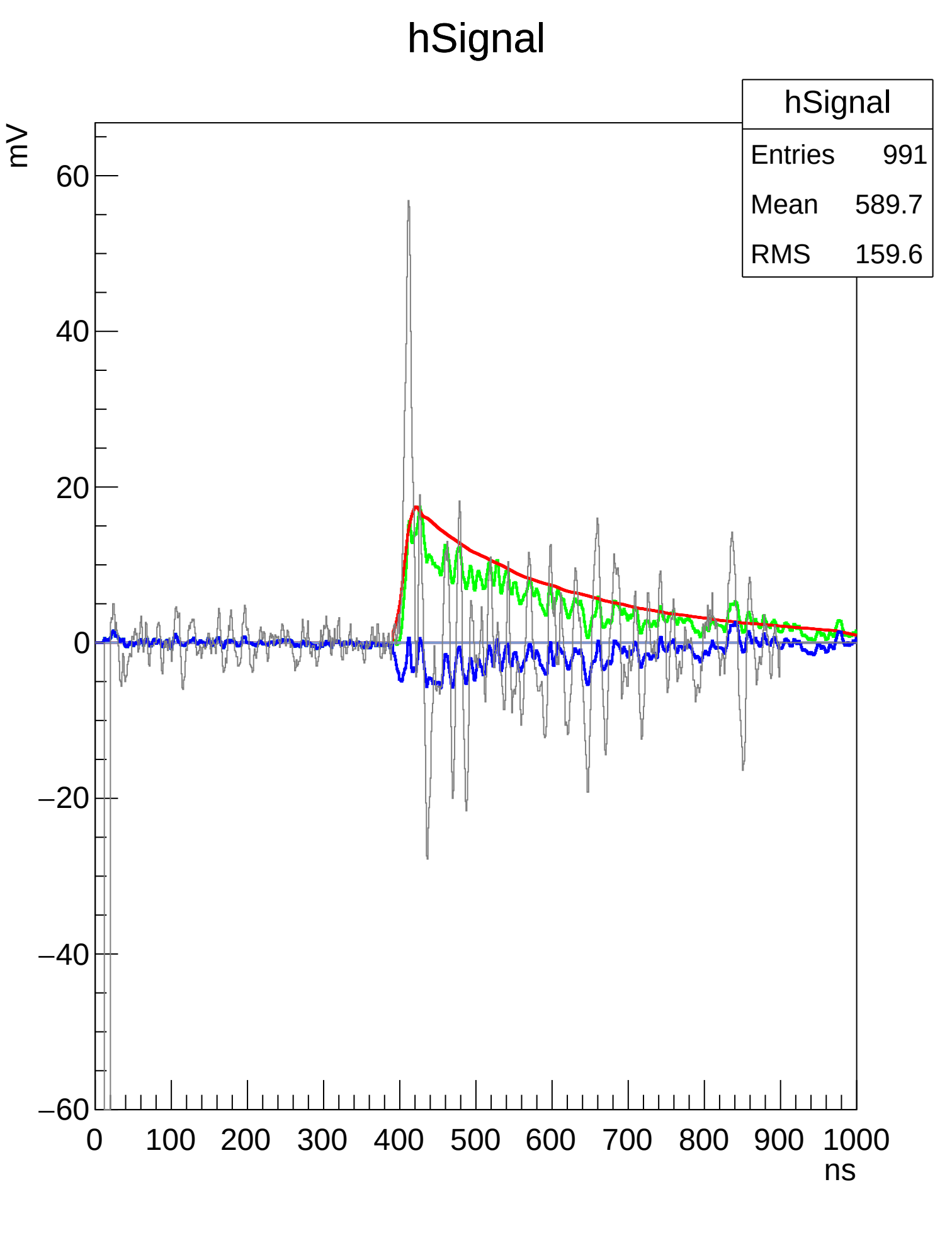
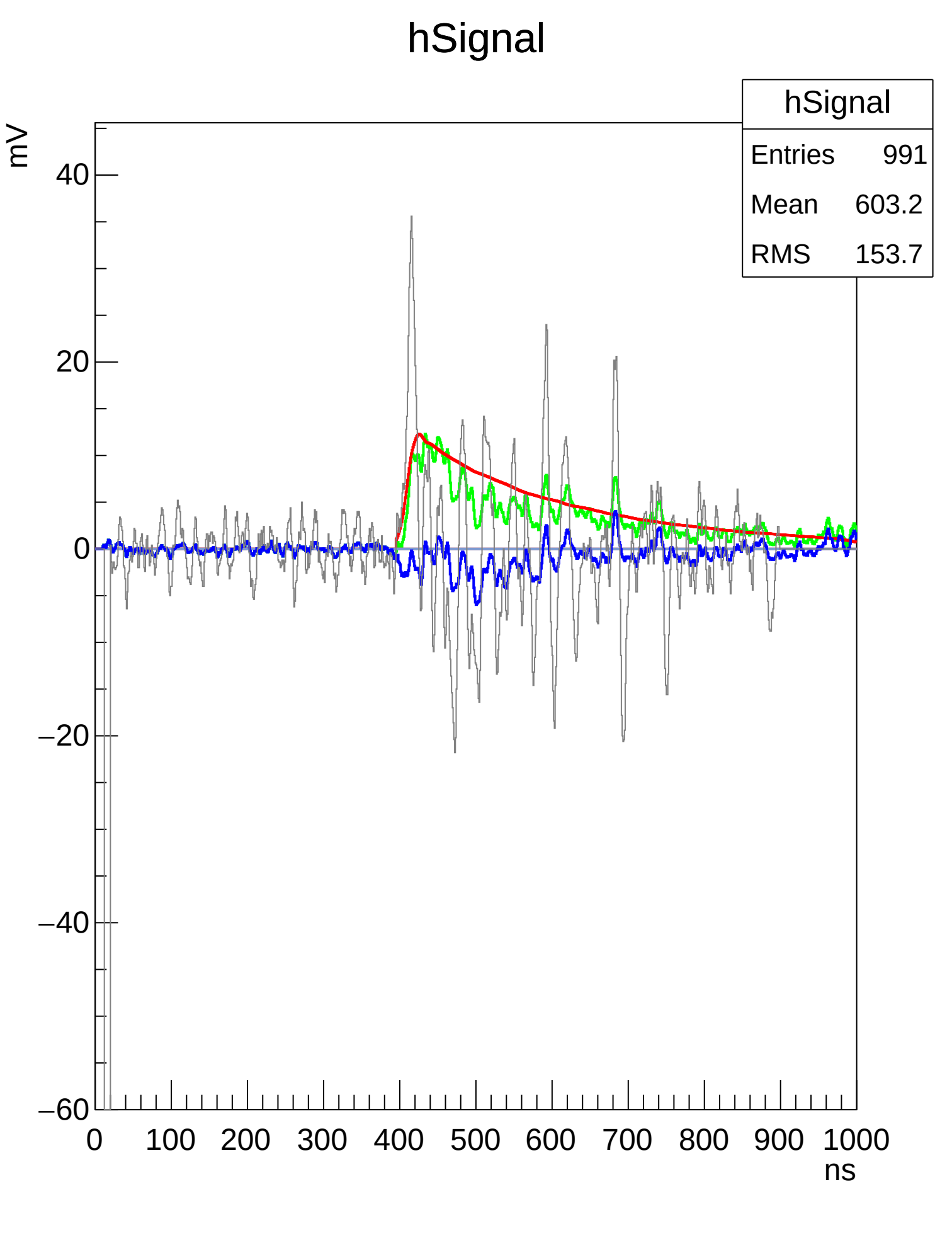
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.6
RMS 166.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 630.7
RMS 149
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.7
RMS 159.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.2
RMS 153.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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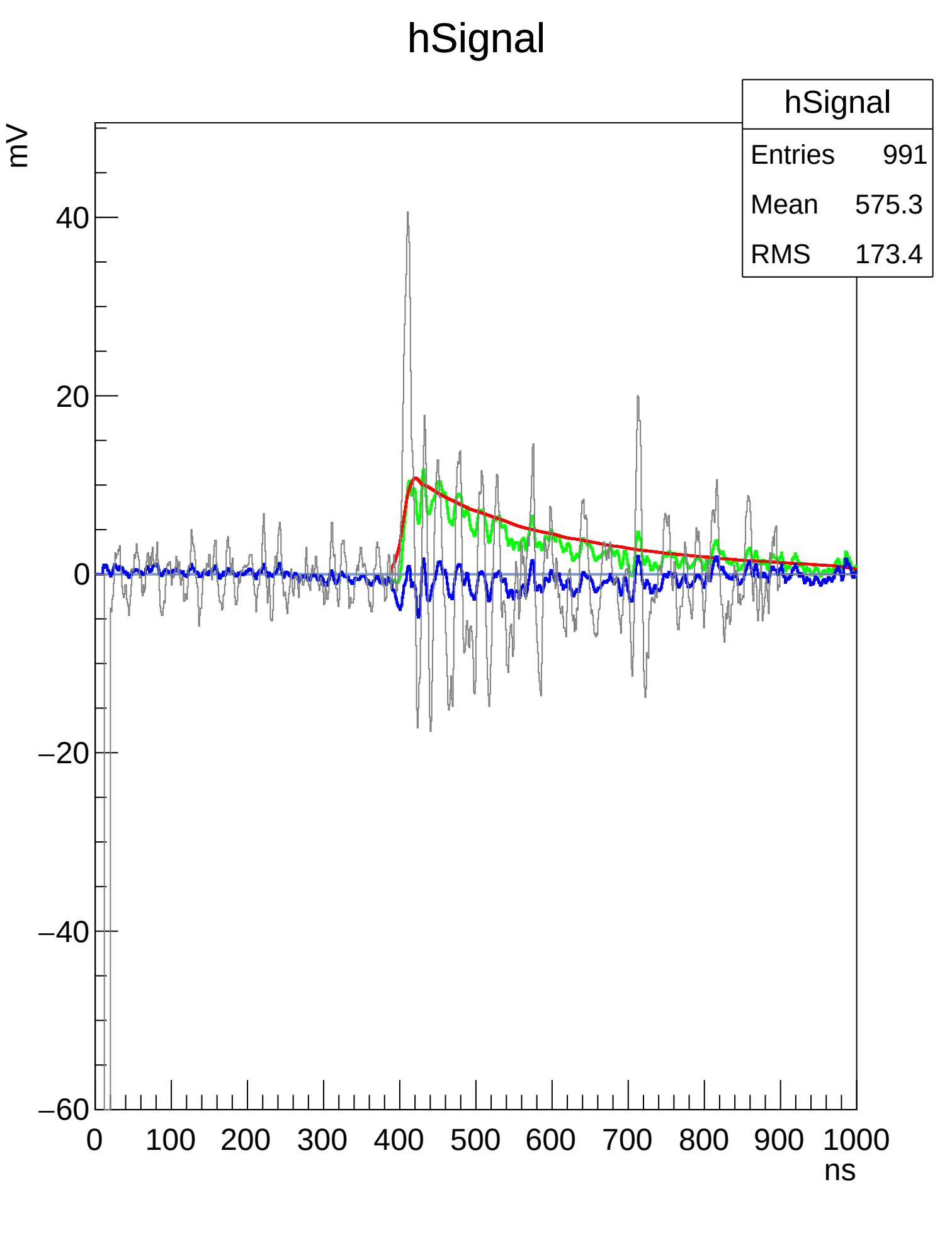
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.3
RMS 173.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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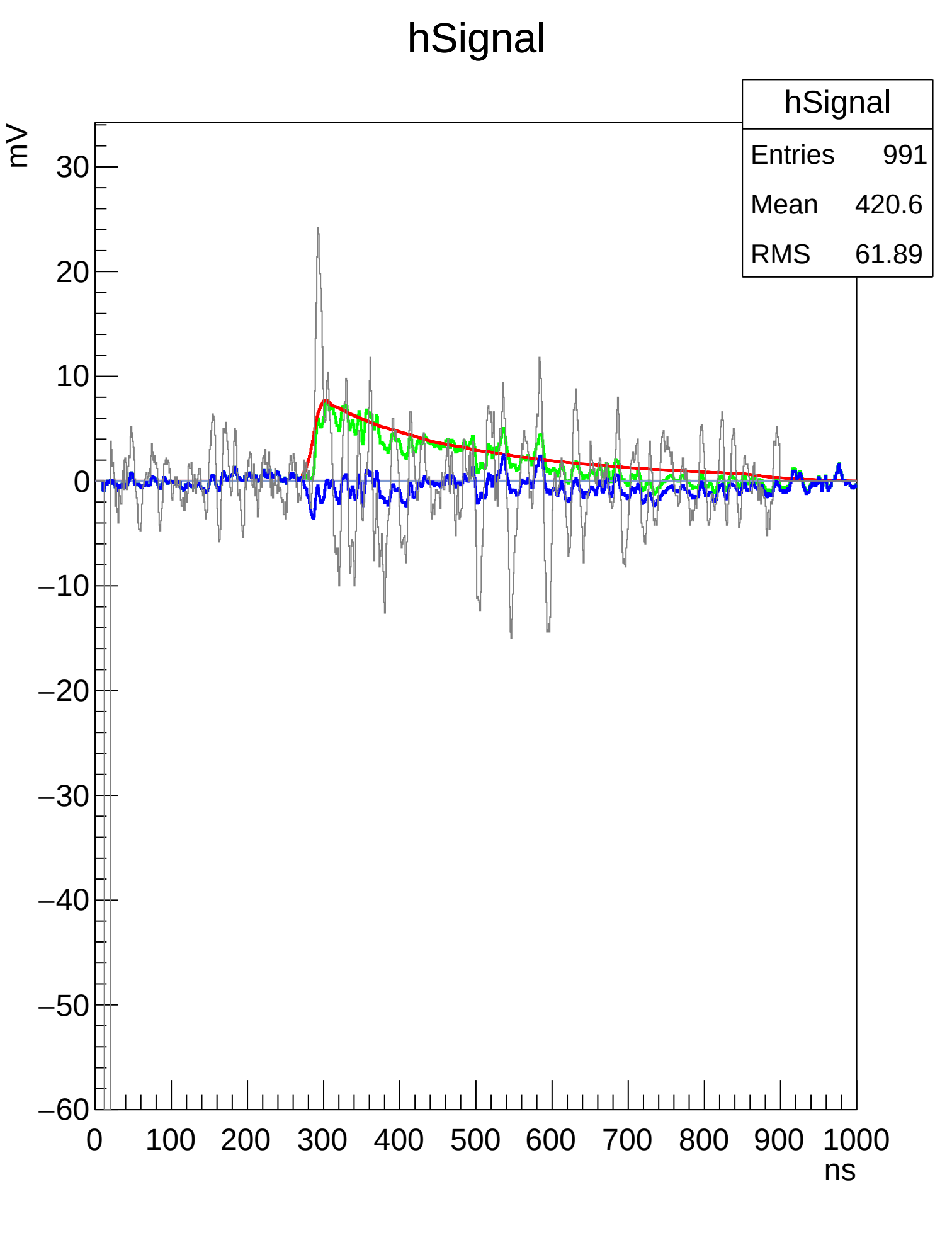
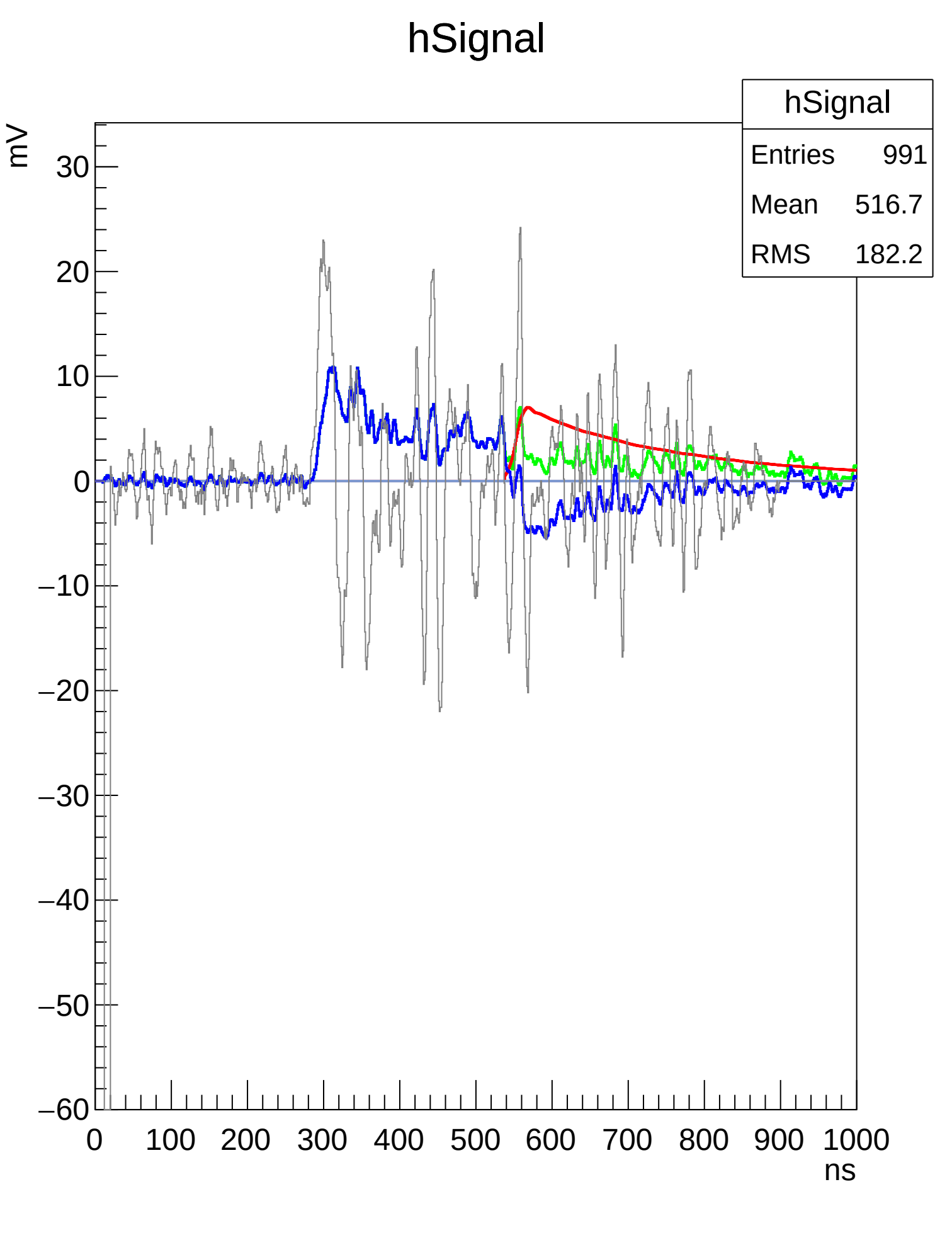
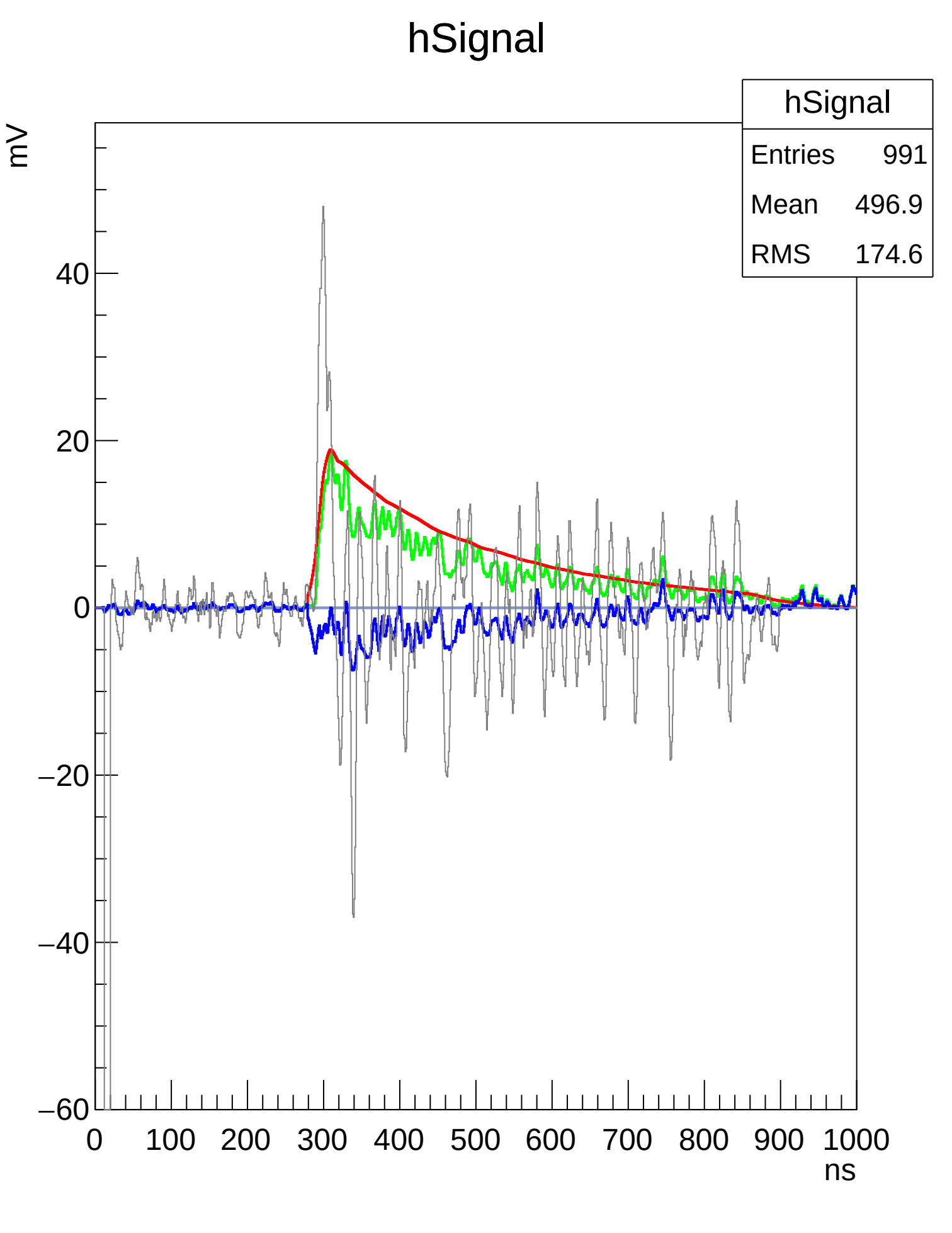
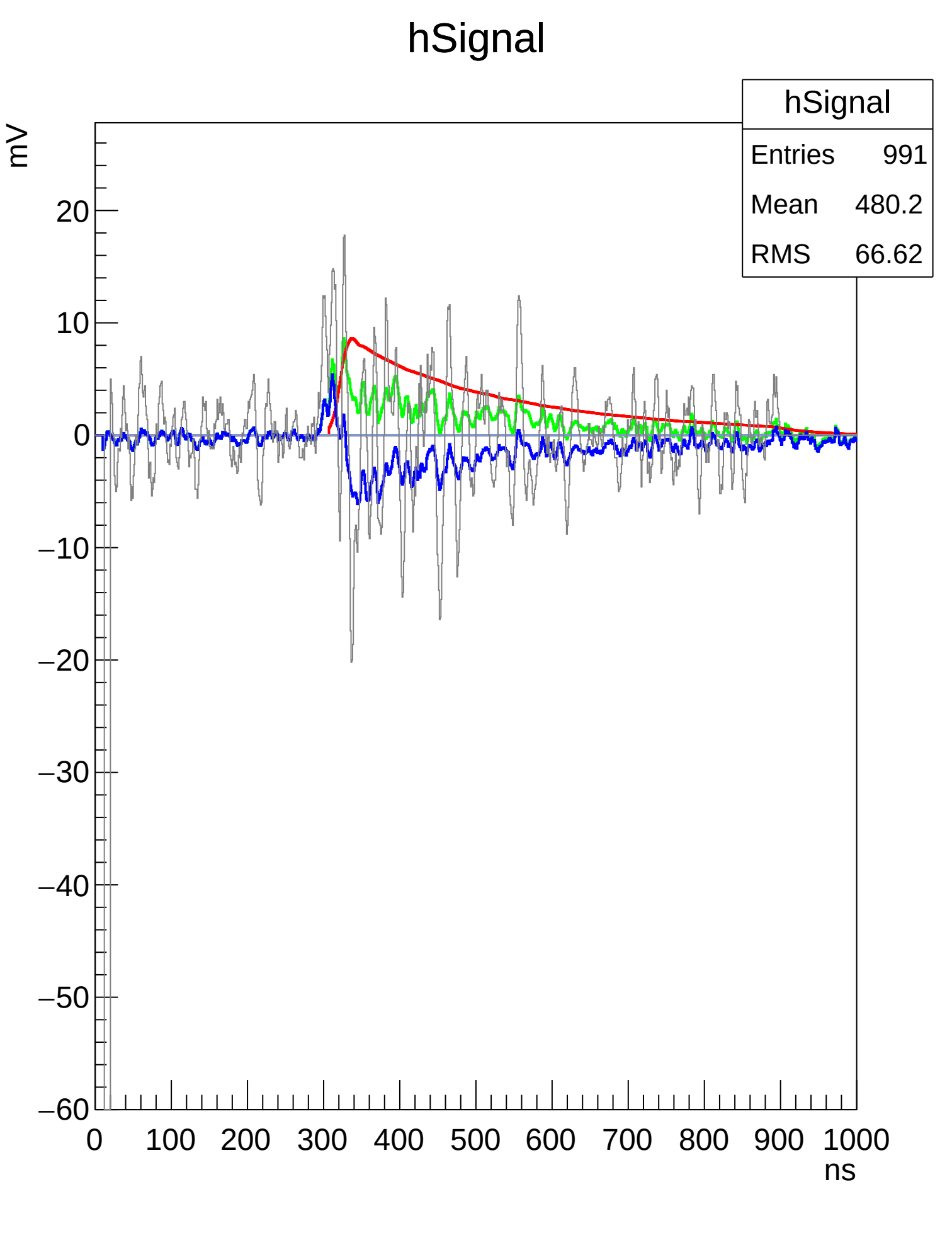
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 420.6
RMS 61.89
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.7
RMS 182.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496.9
RMS 174.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.2
RMS 66.62
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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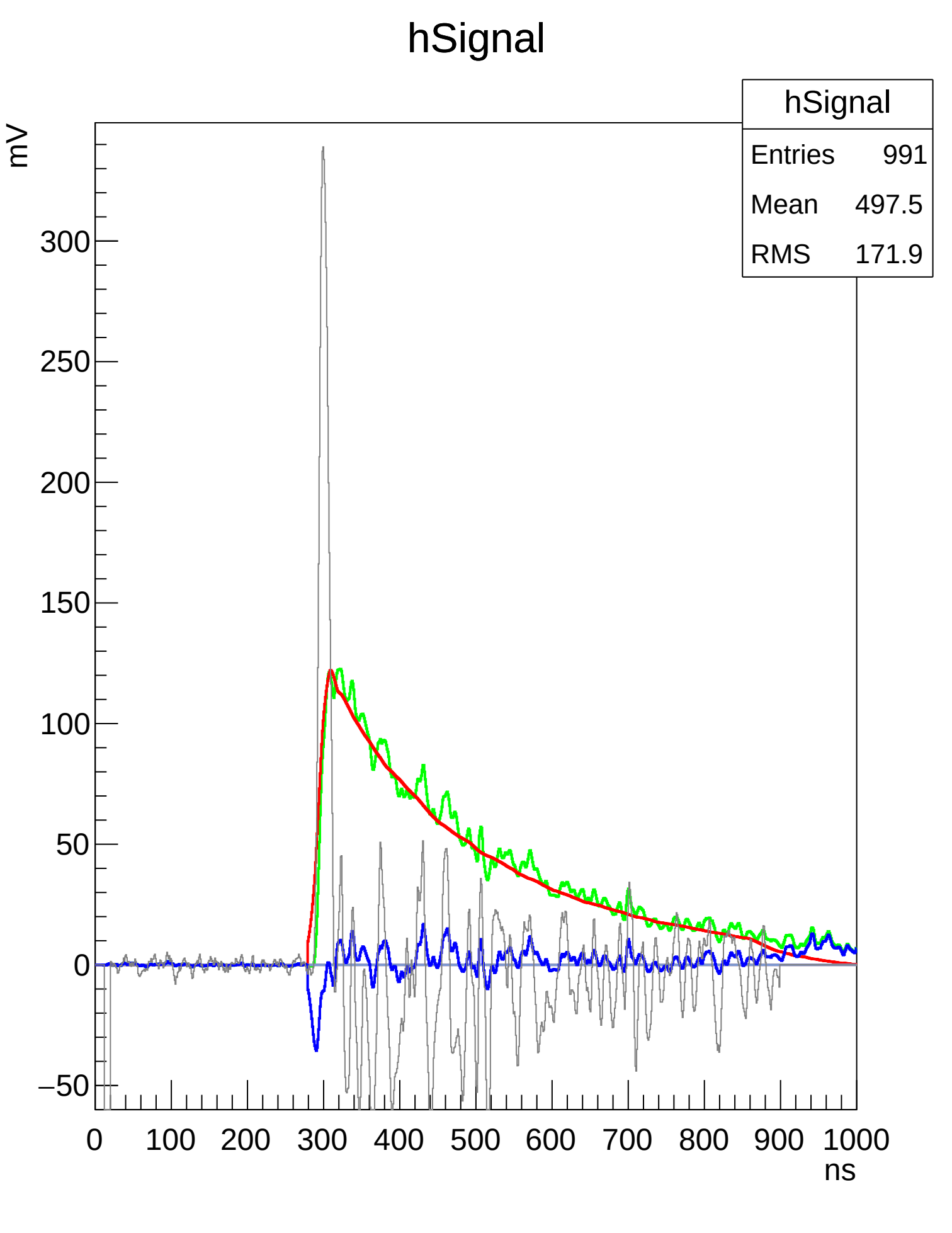
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.5
RMS 171.9
mV
300
250
200
150
100
50
0
−50
0
100
200
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400
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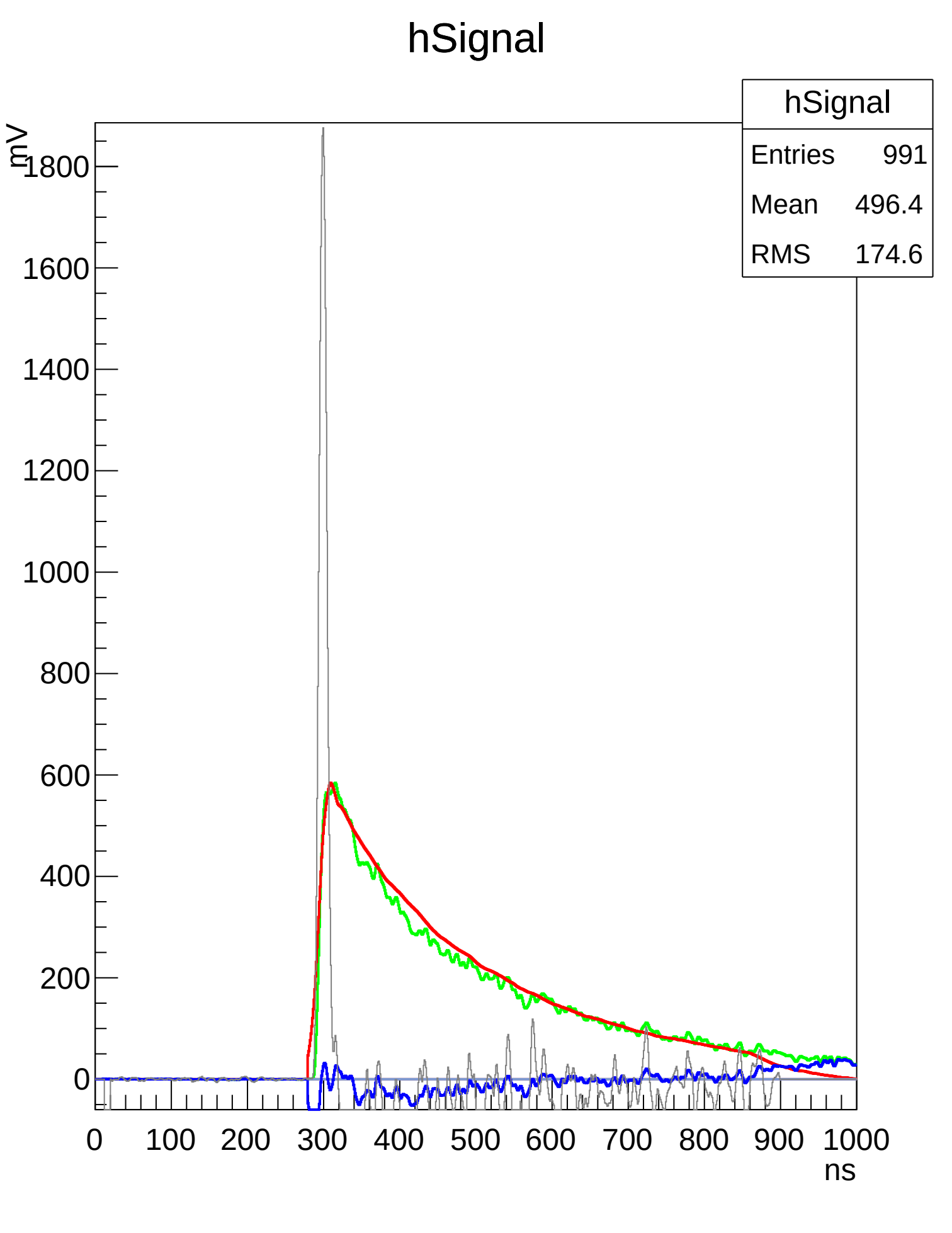
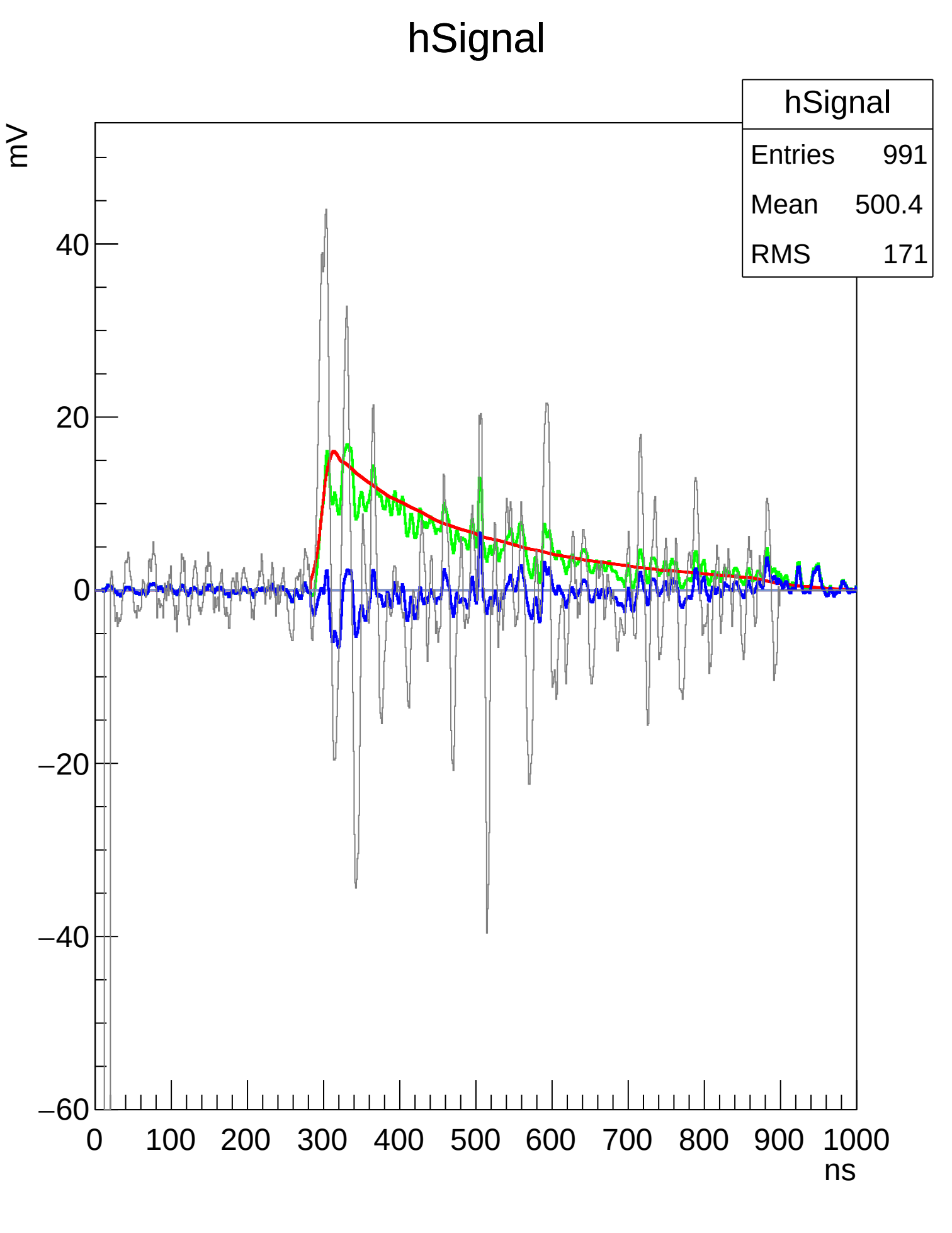
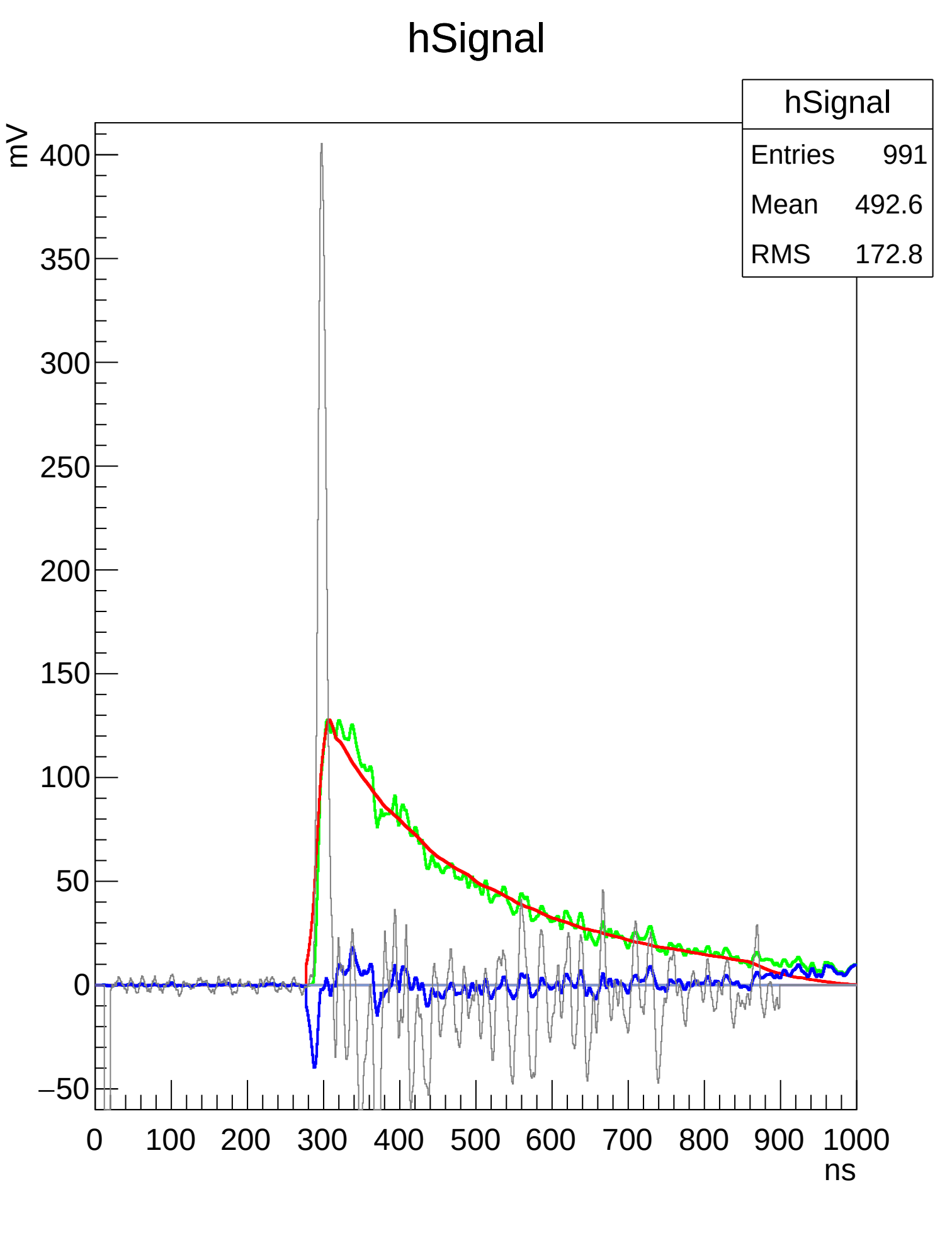
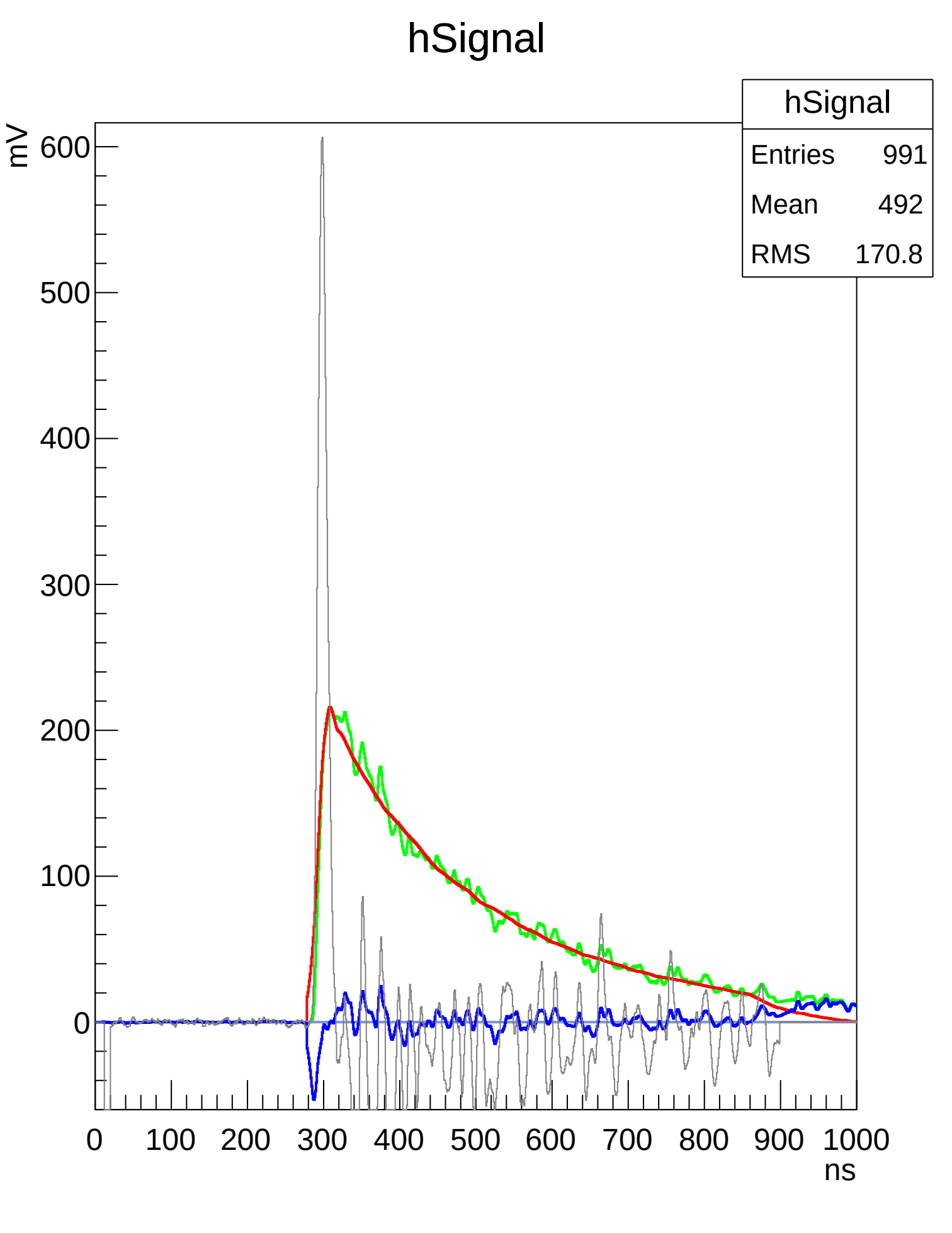
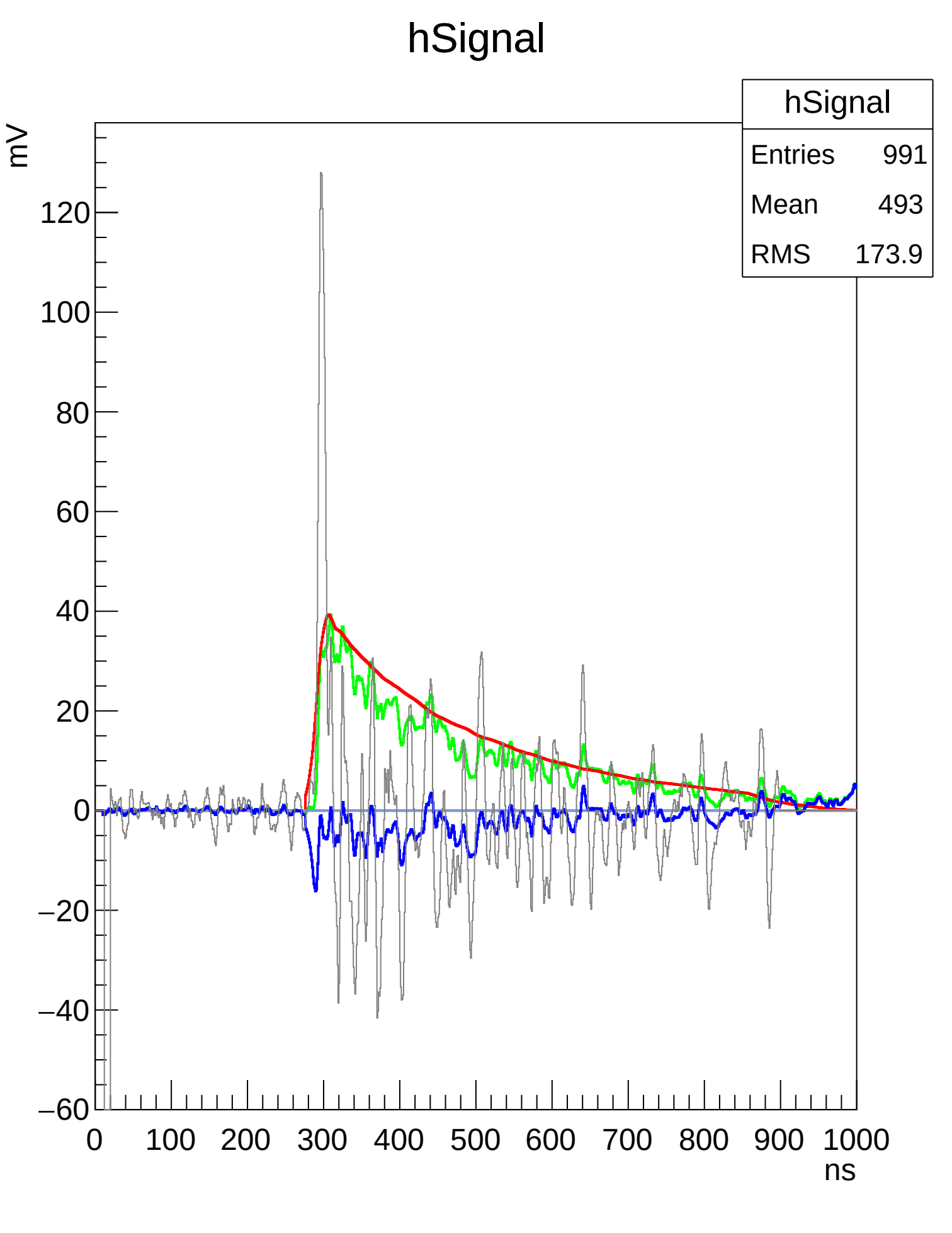
600
700
800
900
1000
ns

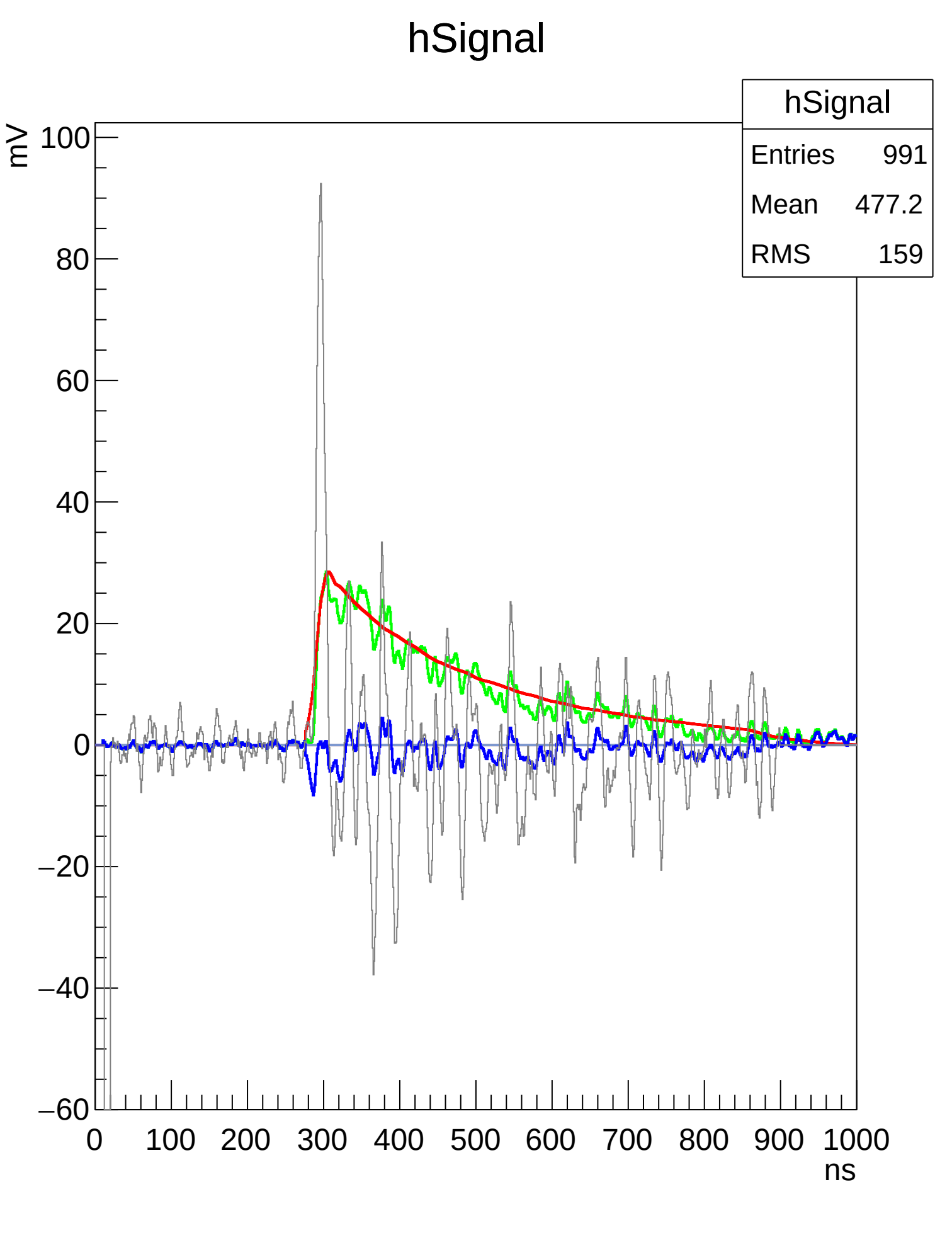

hSignal
hSignal
Entries 991
Mean 496.4
RMS 174.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

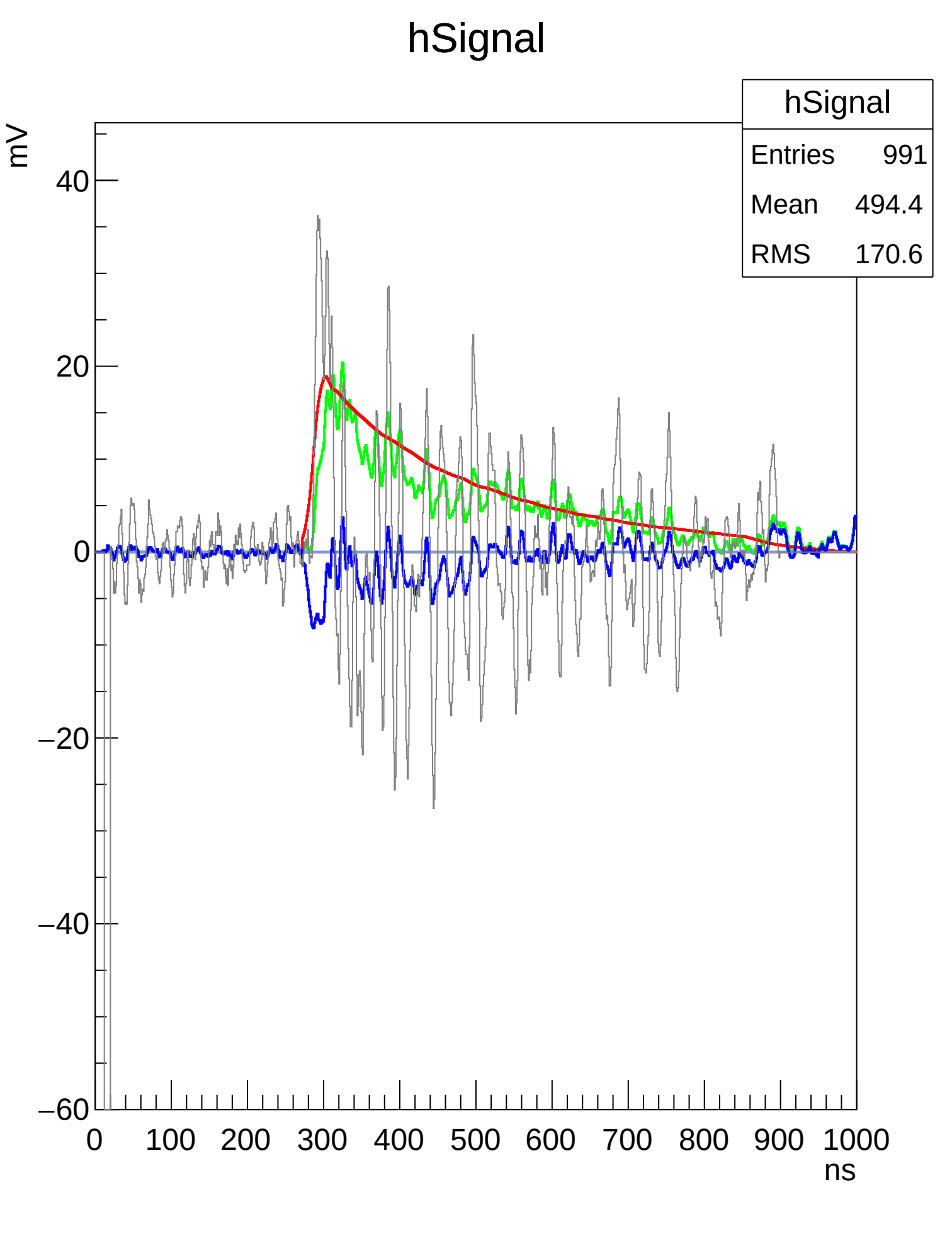

hSignal
hSignal
Entries 991
Mean 500.4
RMS 171
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

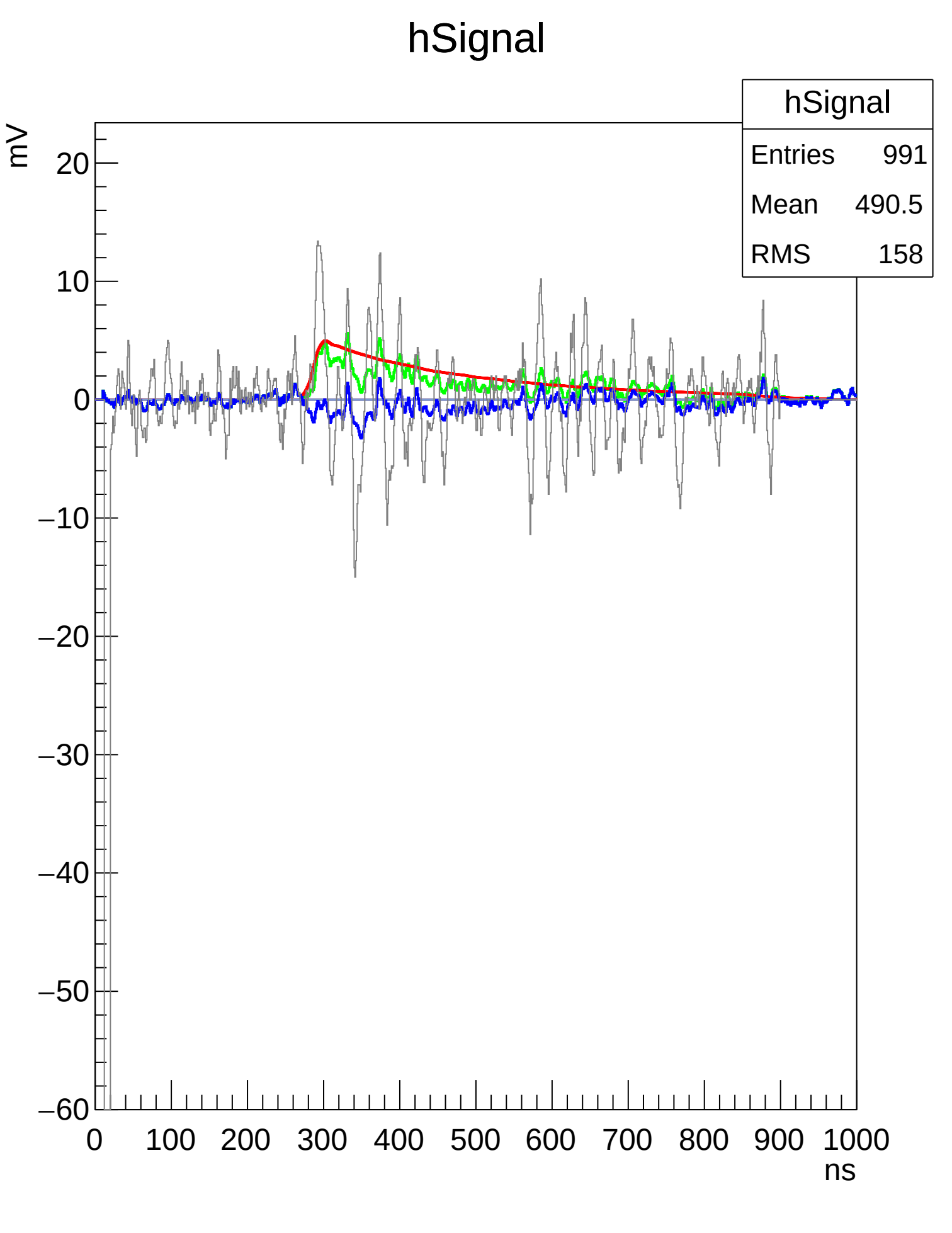

hSignal
hSignal
Entries 991
Mean 492.6
RMS 172.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

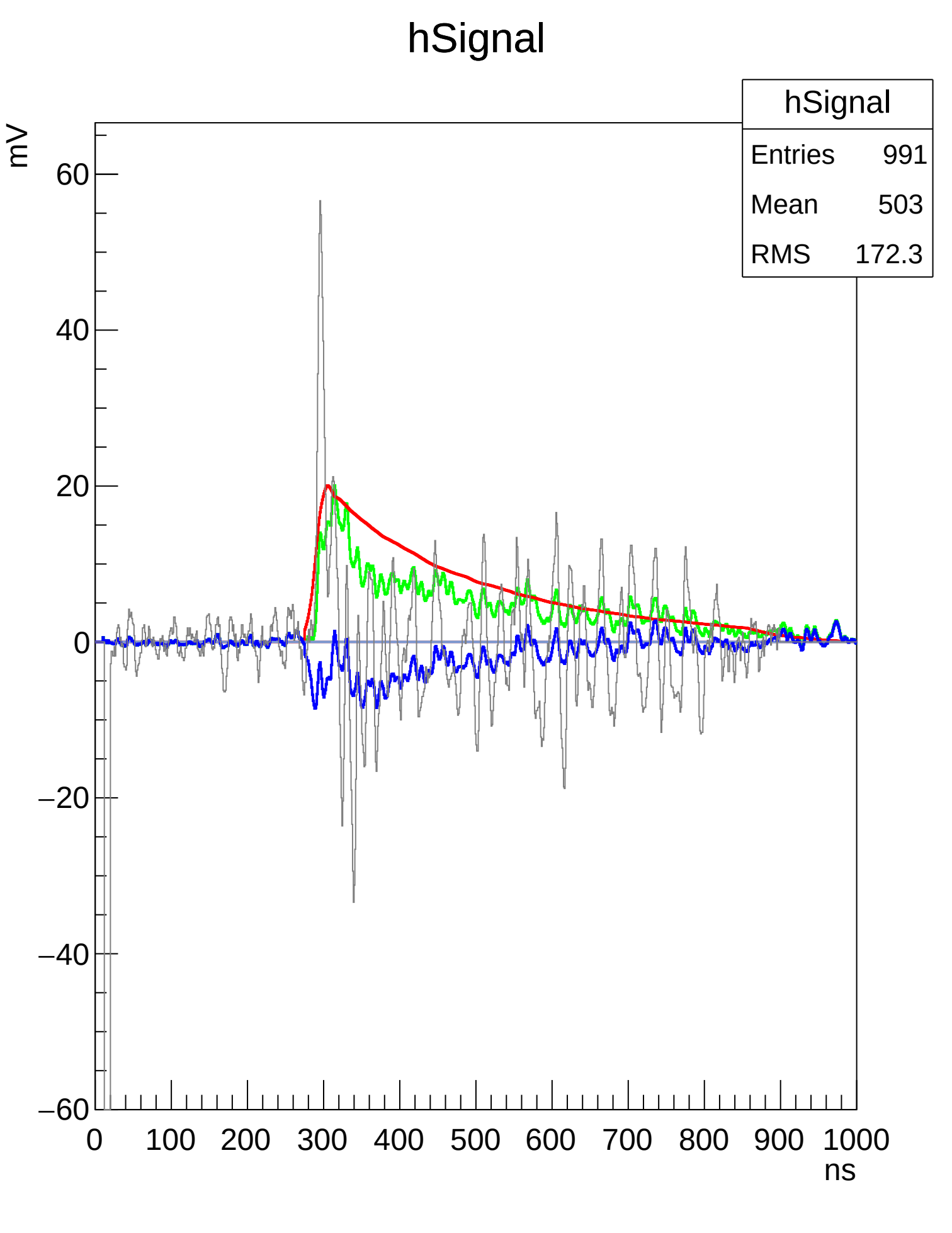

hSignal
hSignal
Entries 991
Mean 492
RMS 170.8
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493
RMS 173.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 477.2
RMS 159
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.4
RMS 170.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.5
RMS 158
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503
RMS 172.3
mV
60
40
20
0
−20
−40
−60
0
100
200
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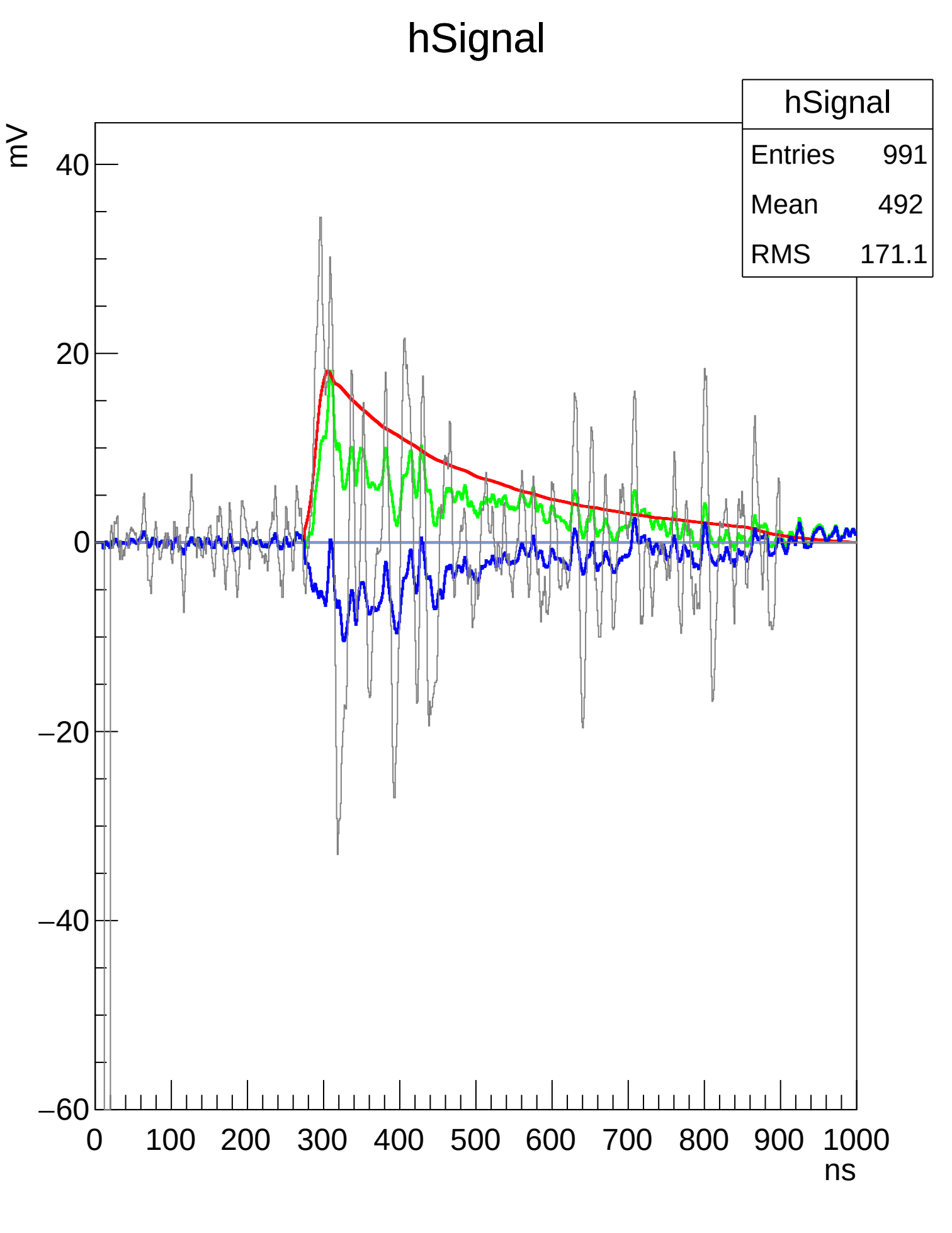
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492
RMS 171.1
mV
40
20
0
−20
−40
−60
0
100
200
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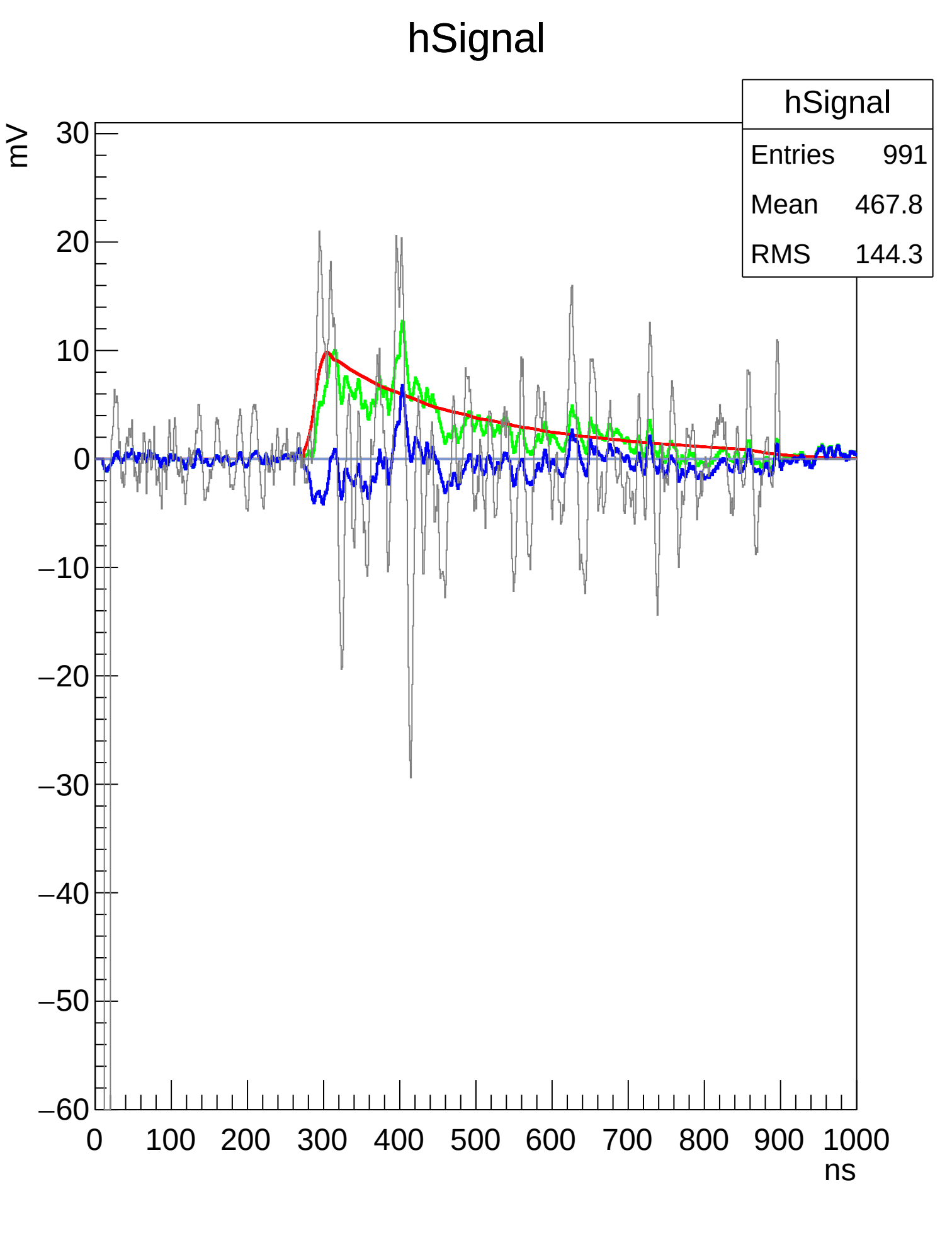
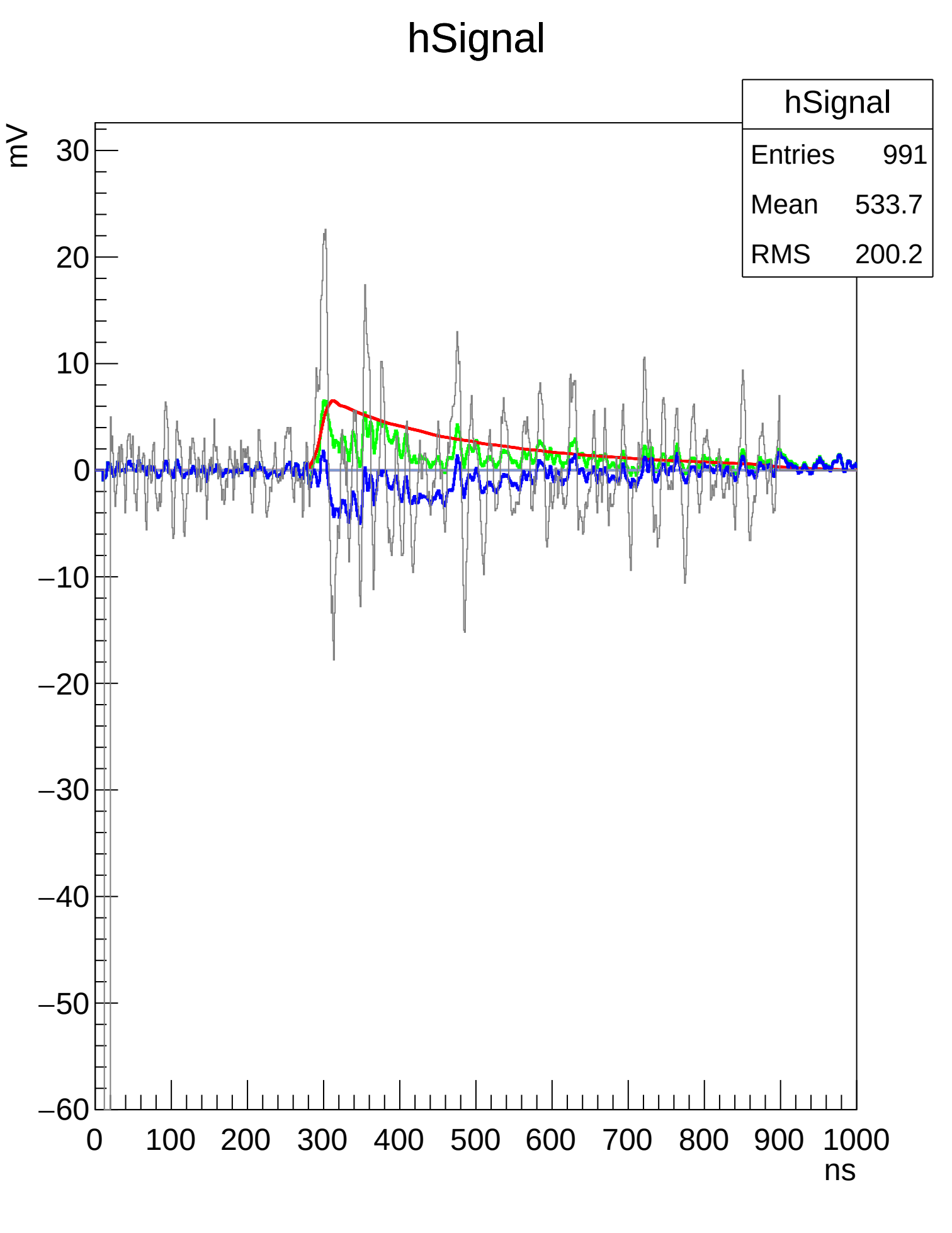
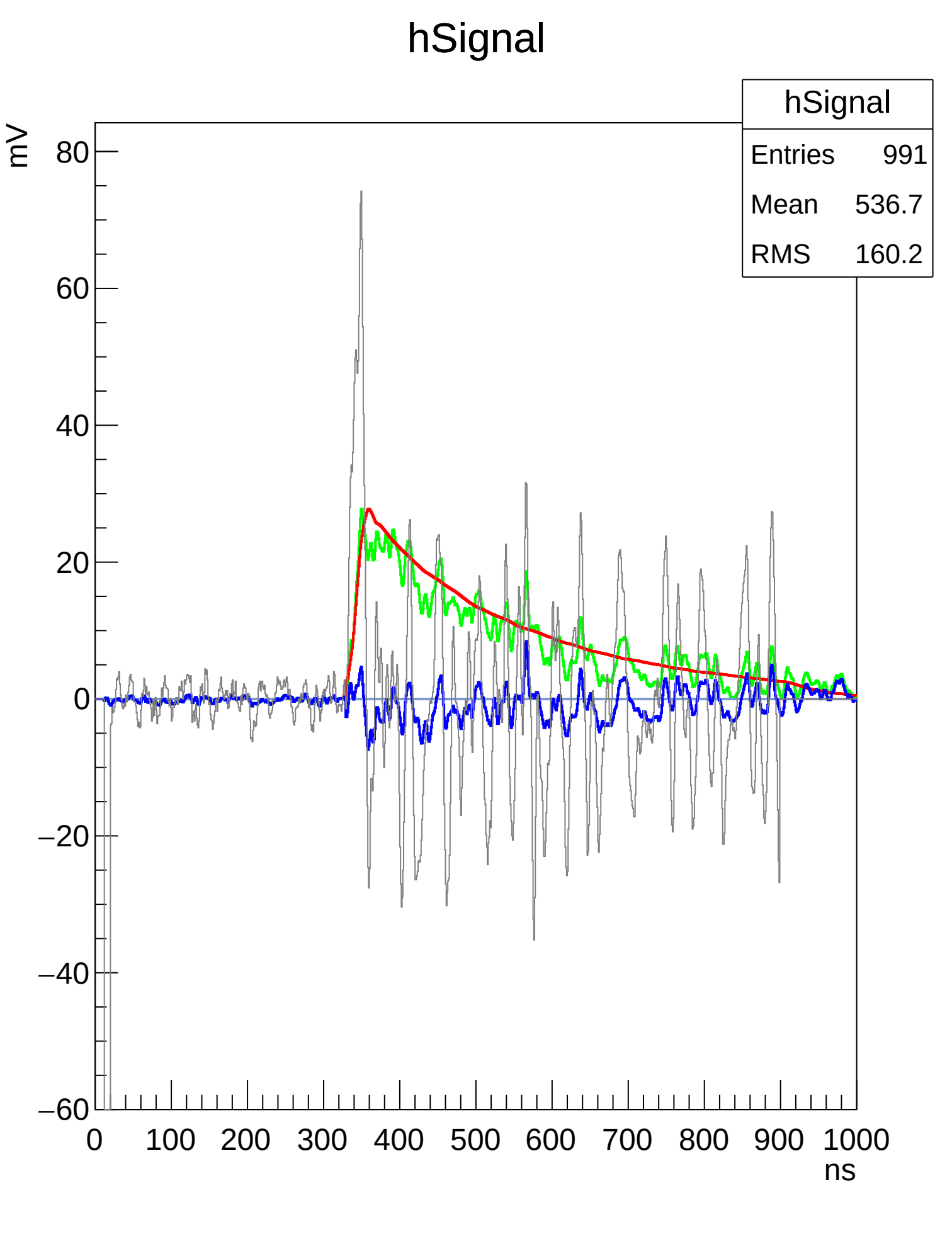
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 467.8
RMS 144.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.7
RMS 200.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.7
RMS 160.2
mV
80
60
40
20
0
−20
−40
−60
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100
200
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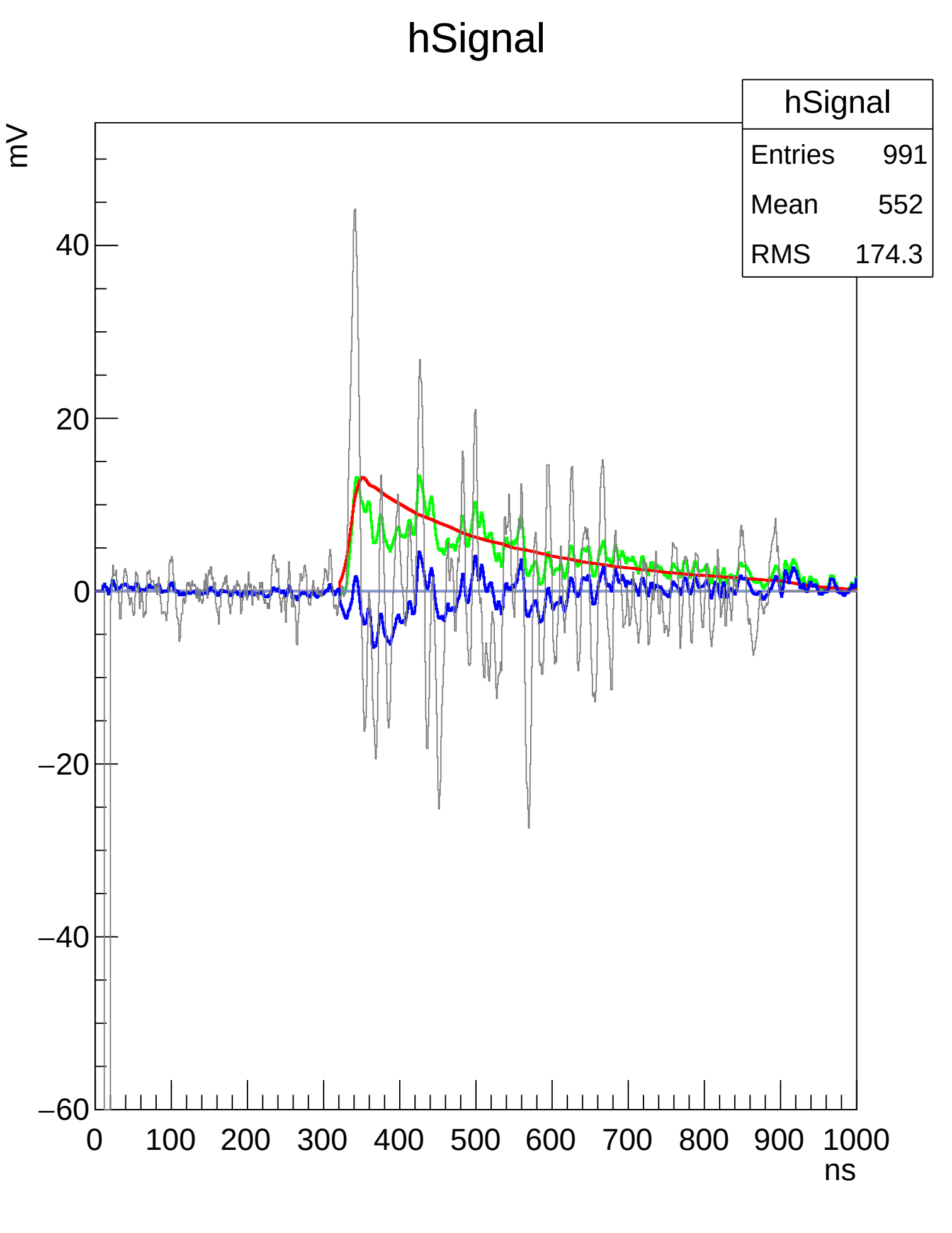
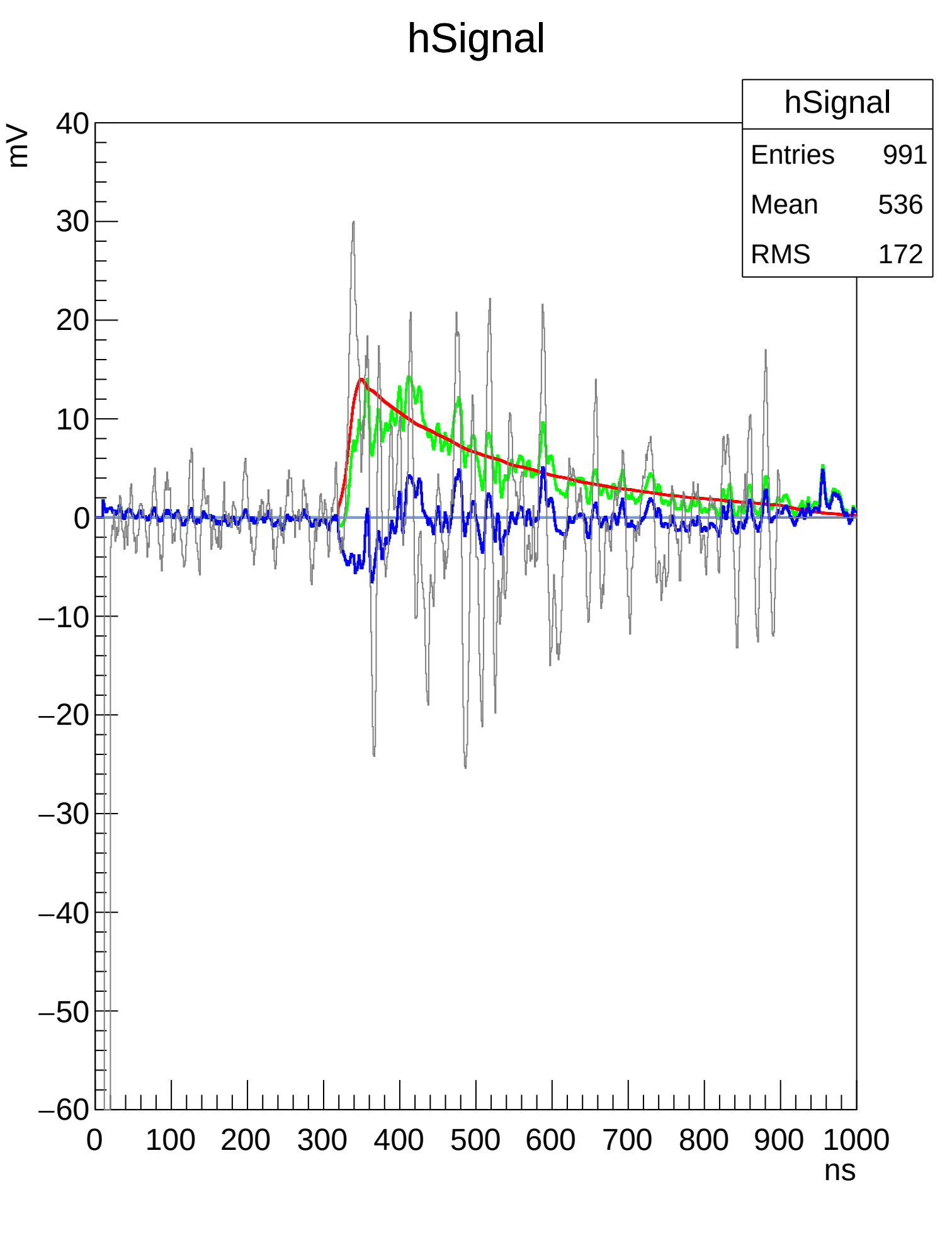
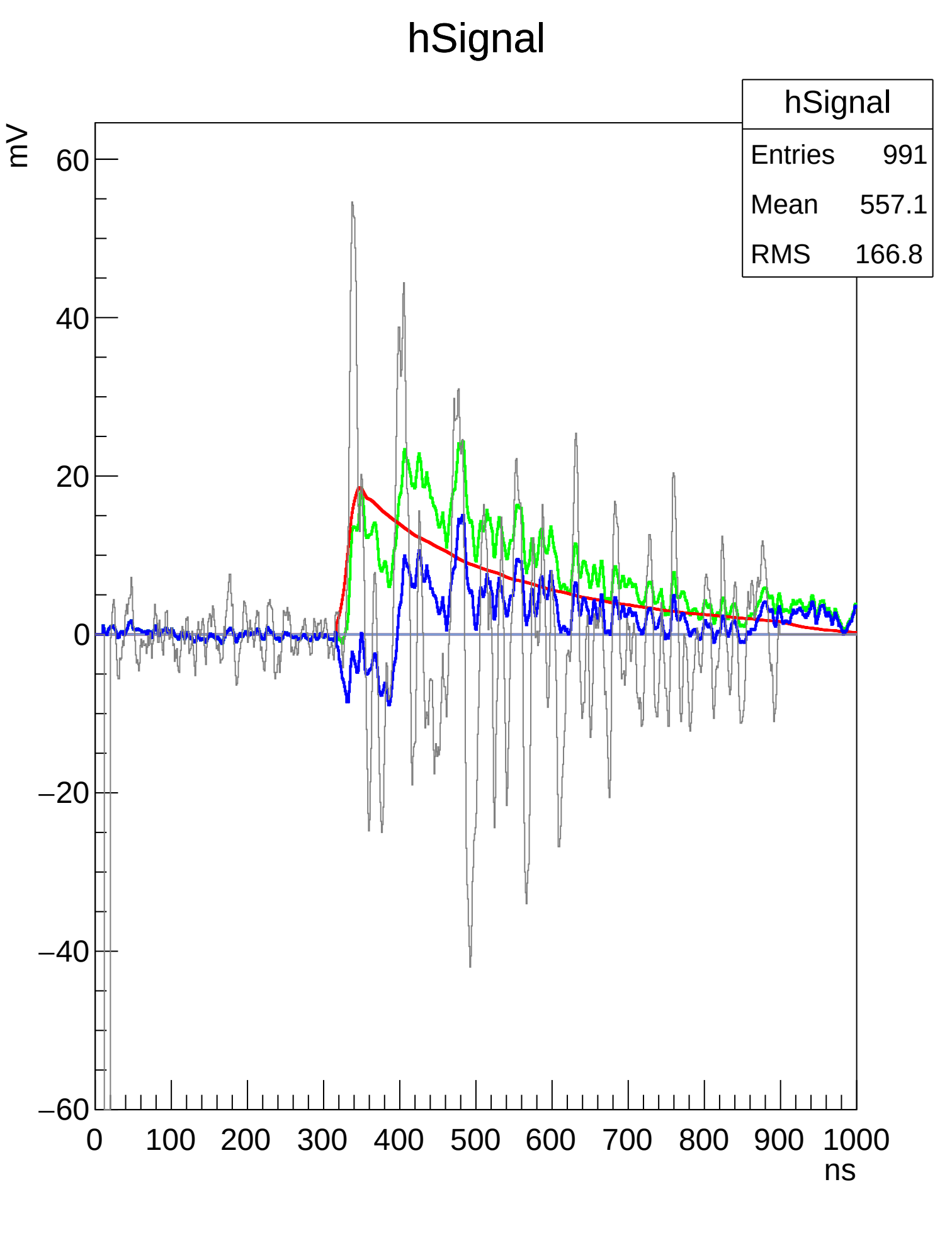
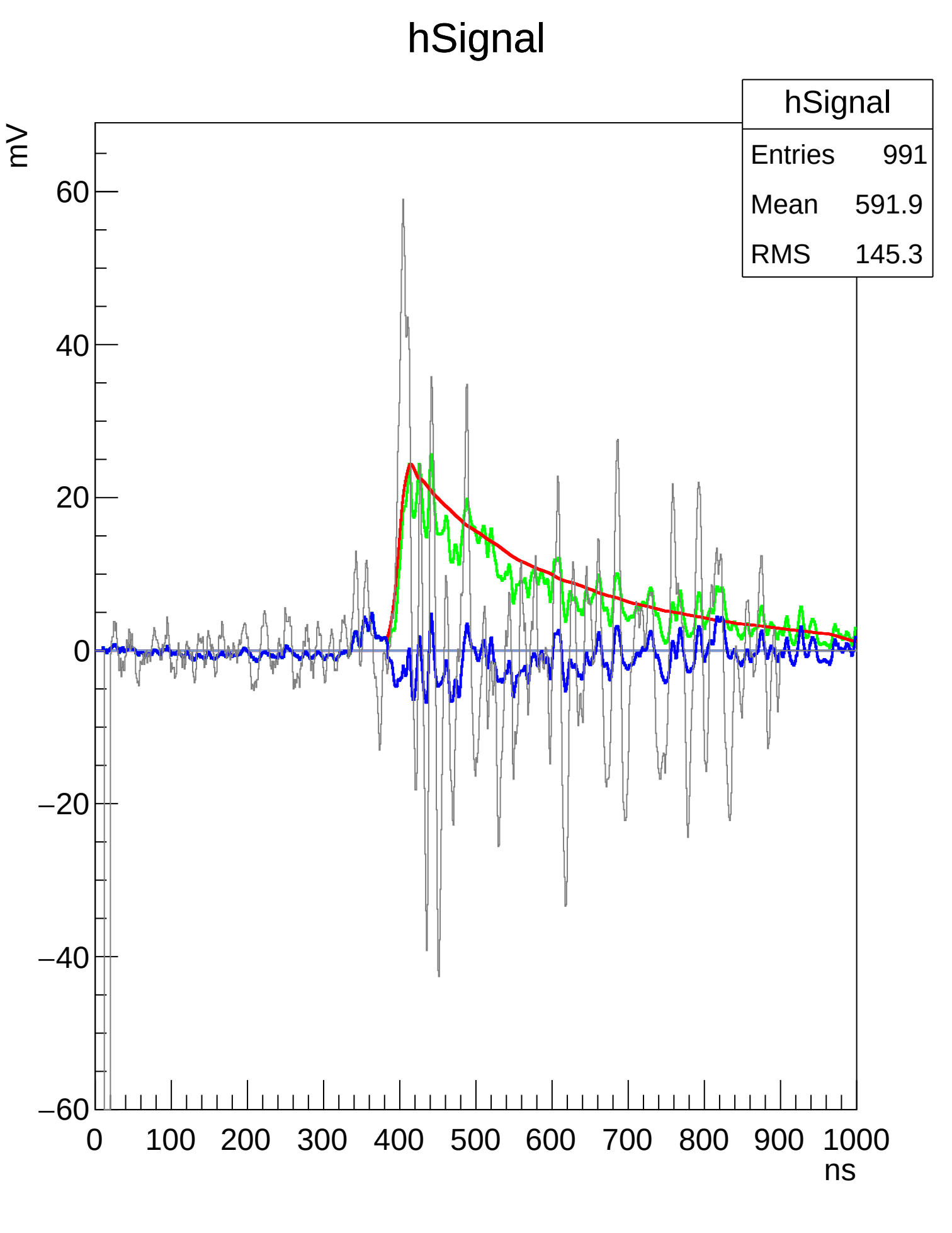
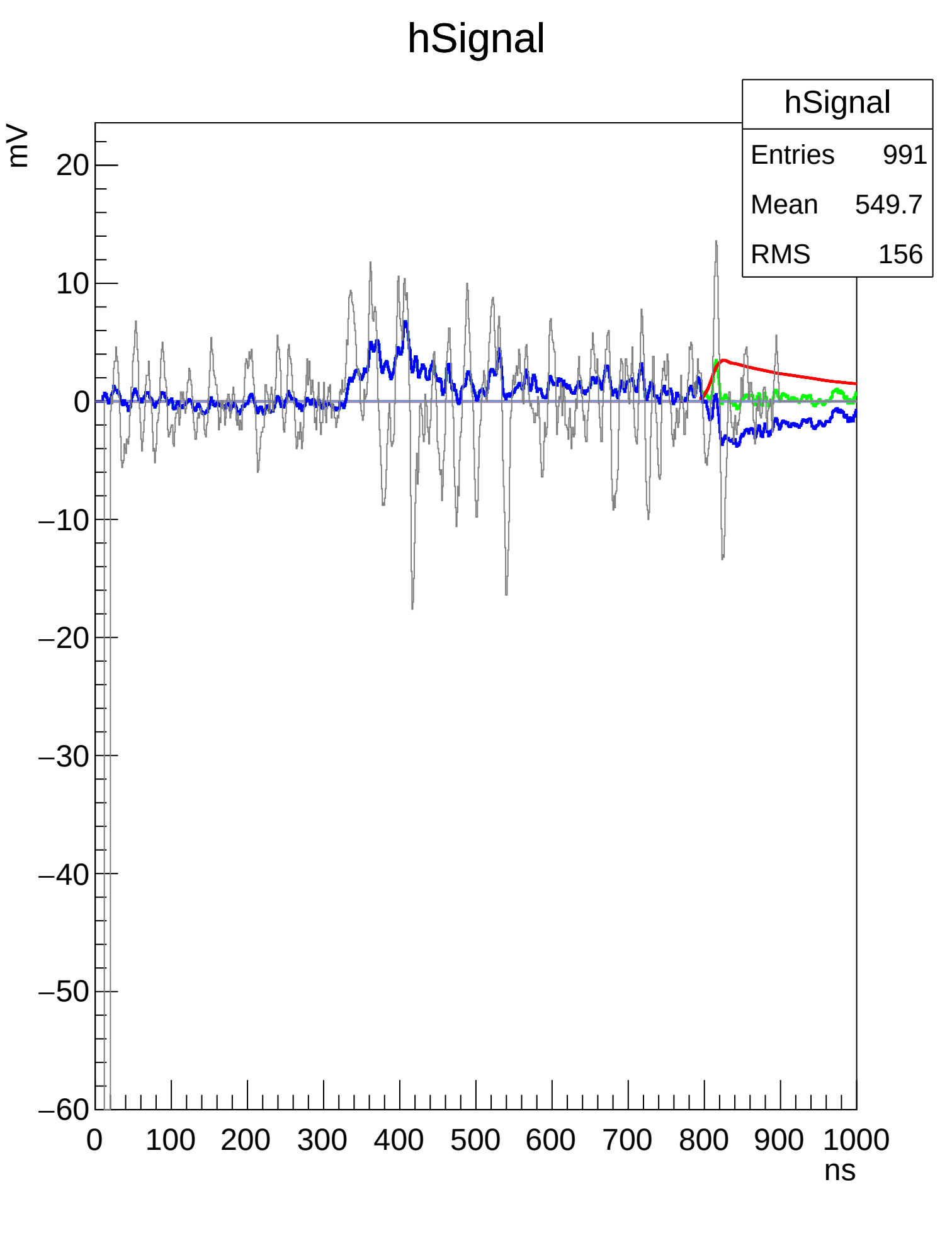
400
500
600
700
800
900
1000
ns

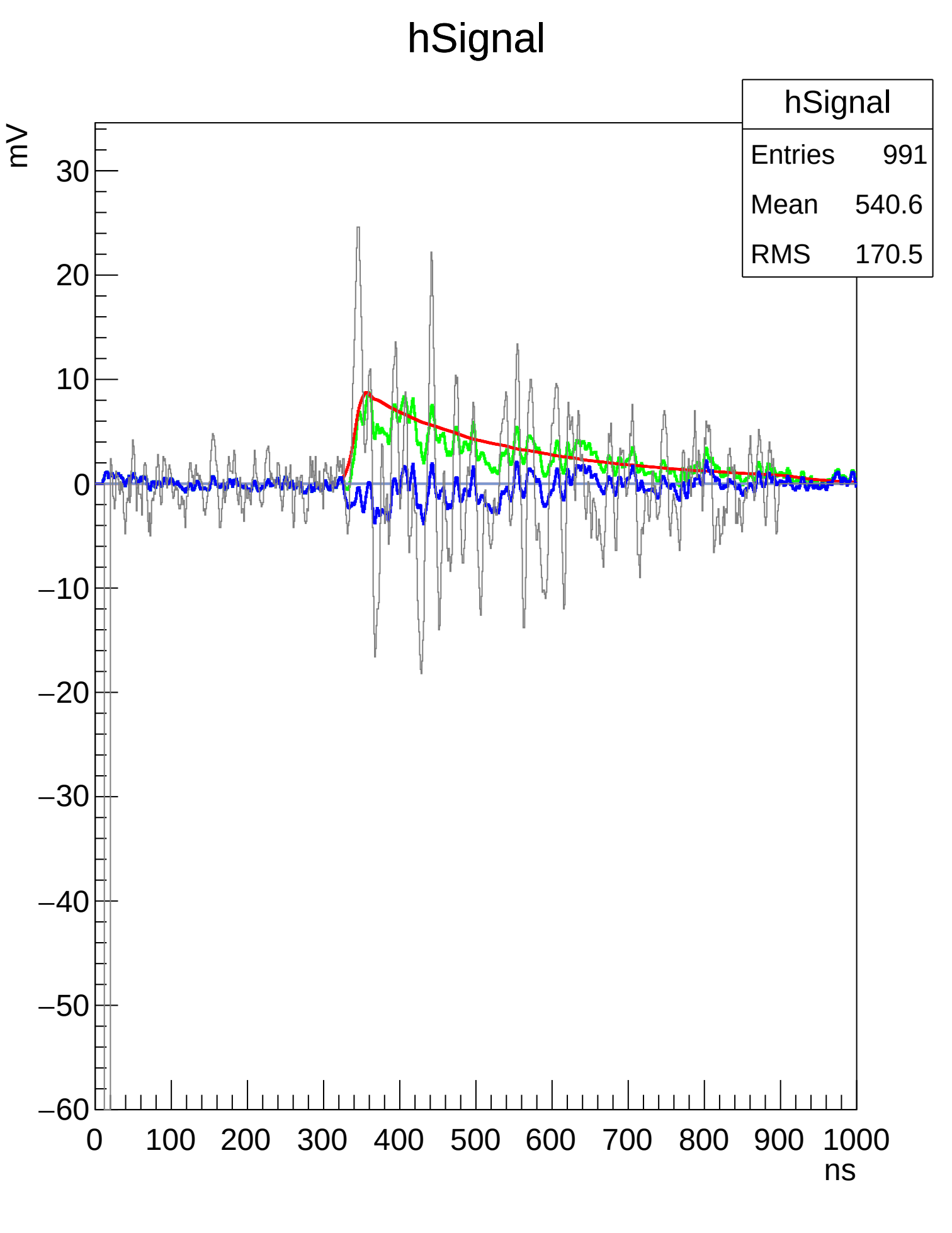

hSignal
hSignal
Entries 991
Mean 552
RMS 174.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

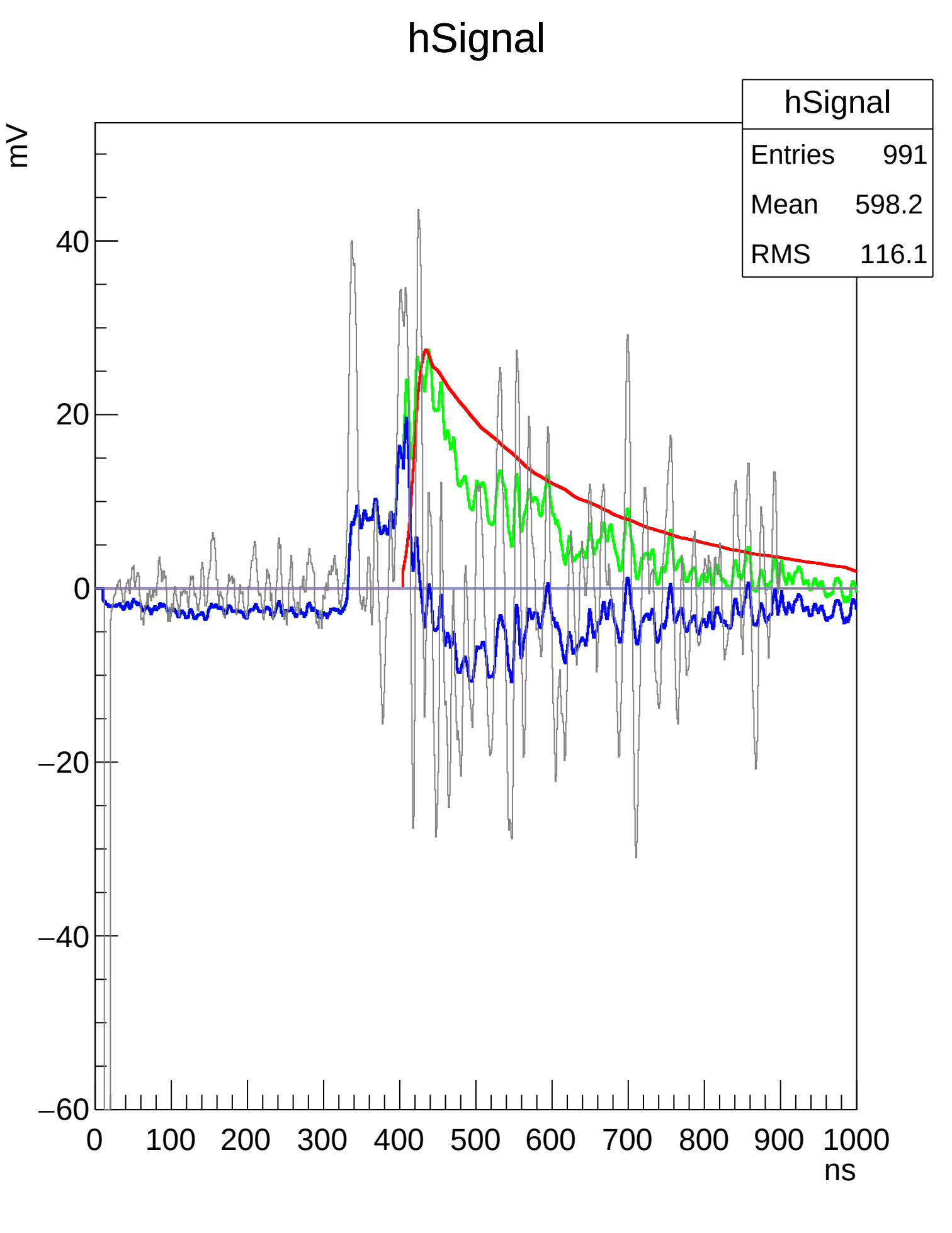

hSignal
hSignal
Entries 991
Mean 536
RMS 172
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.1
RMS 166.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.9
RMS 145.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.7
RMS 156
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.6
RMS 170.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.2
RMS 116.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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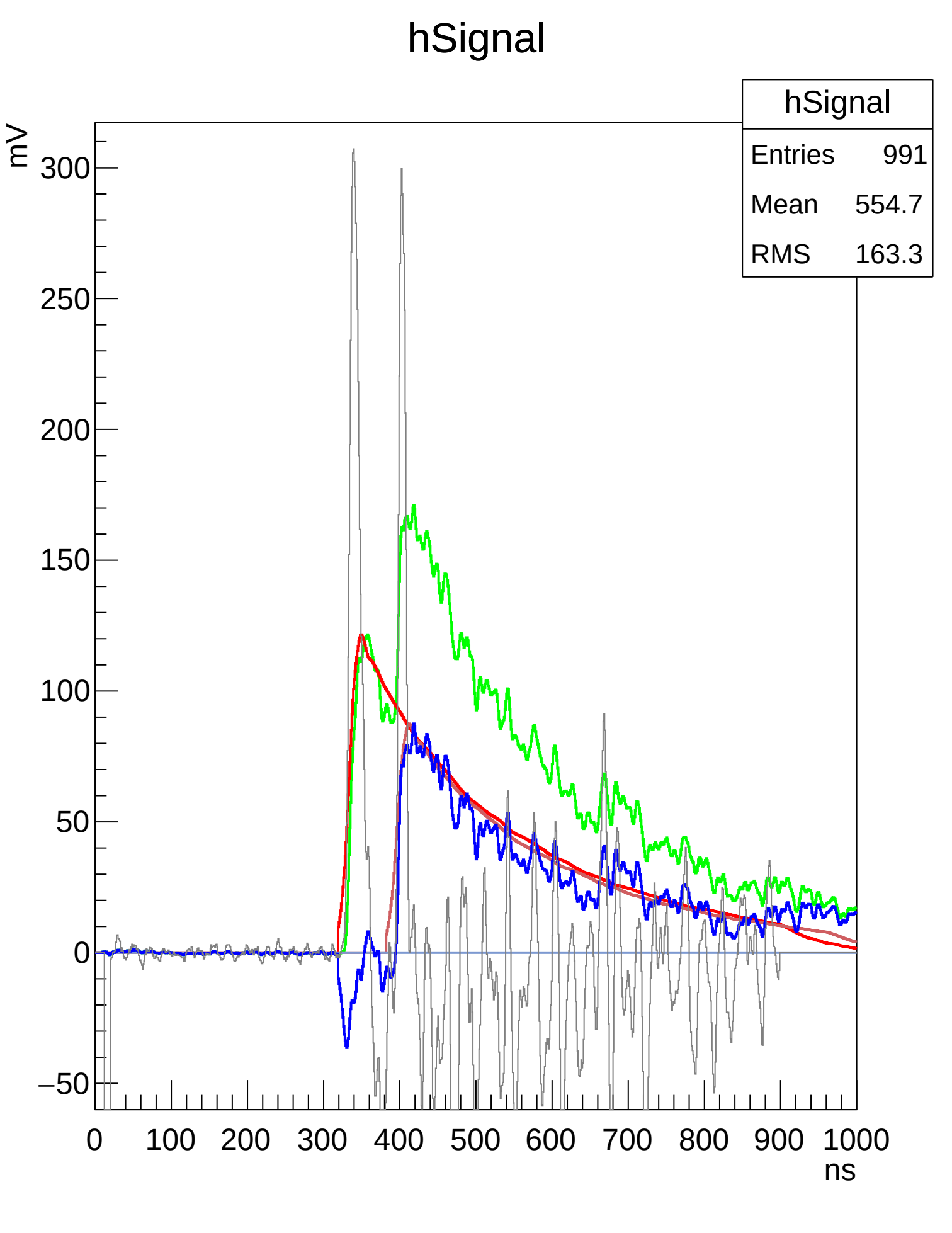
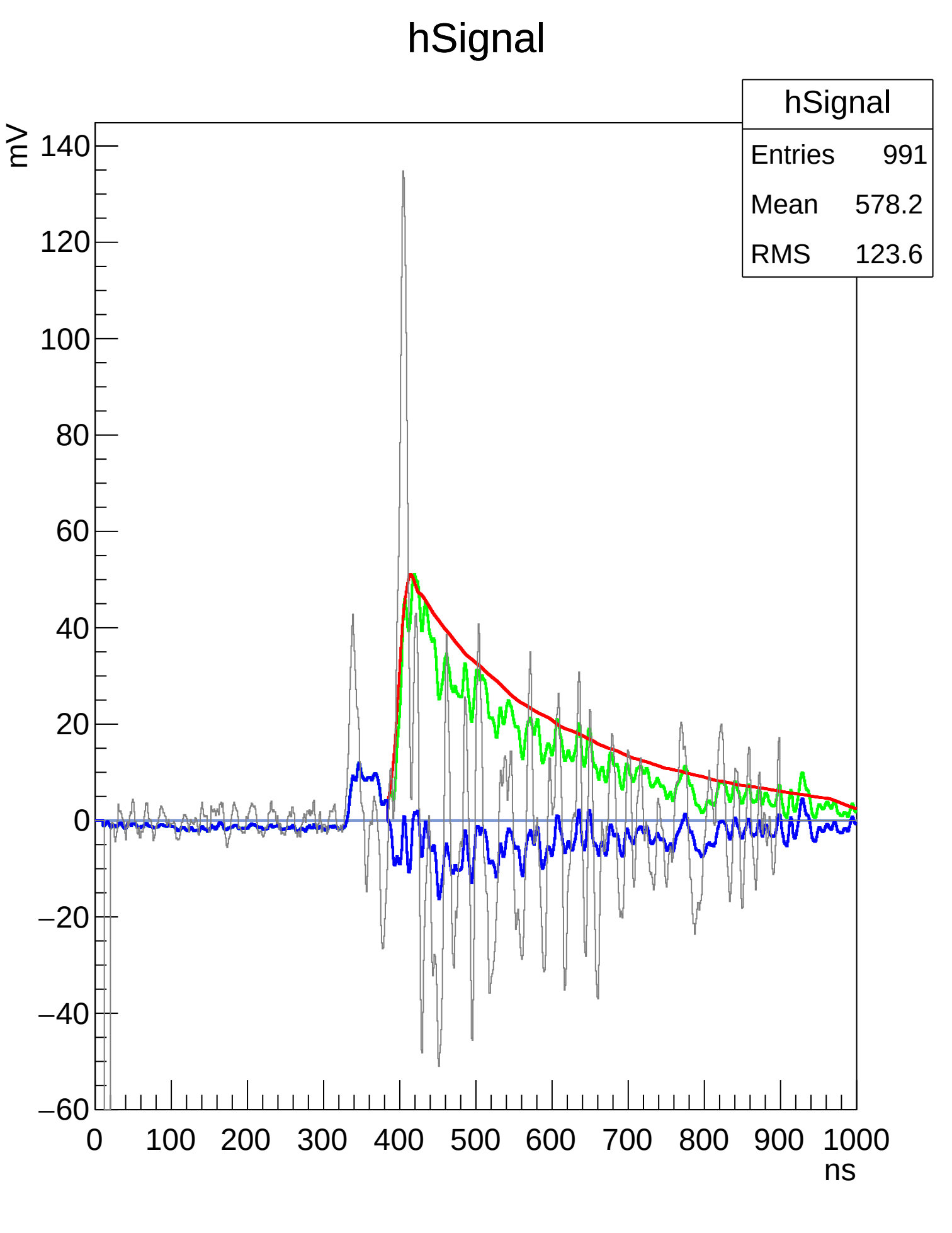
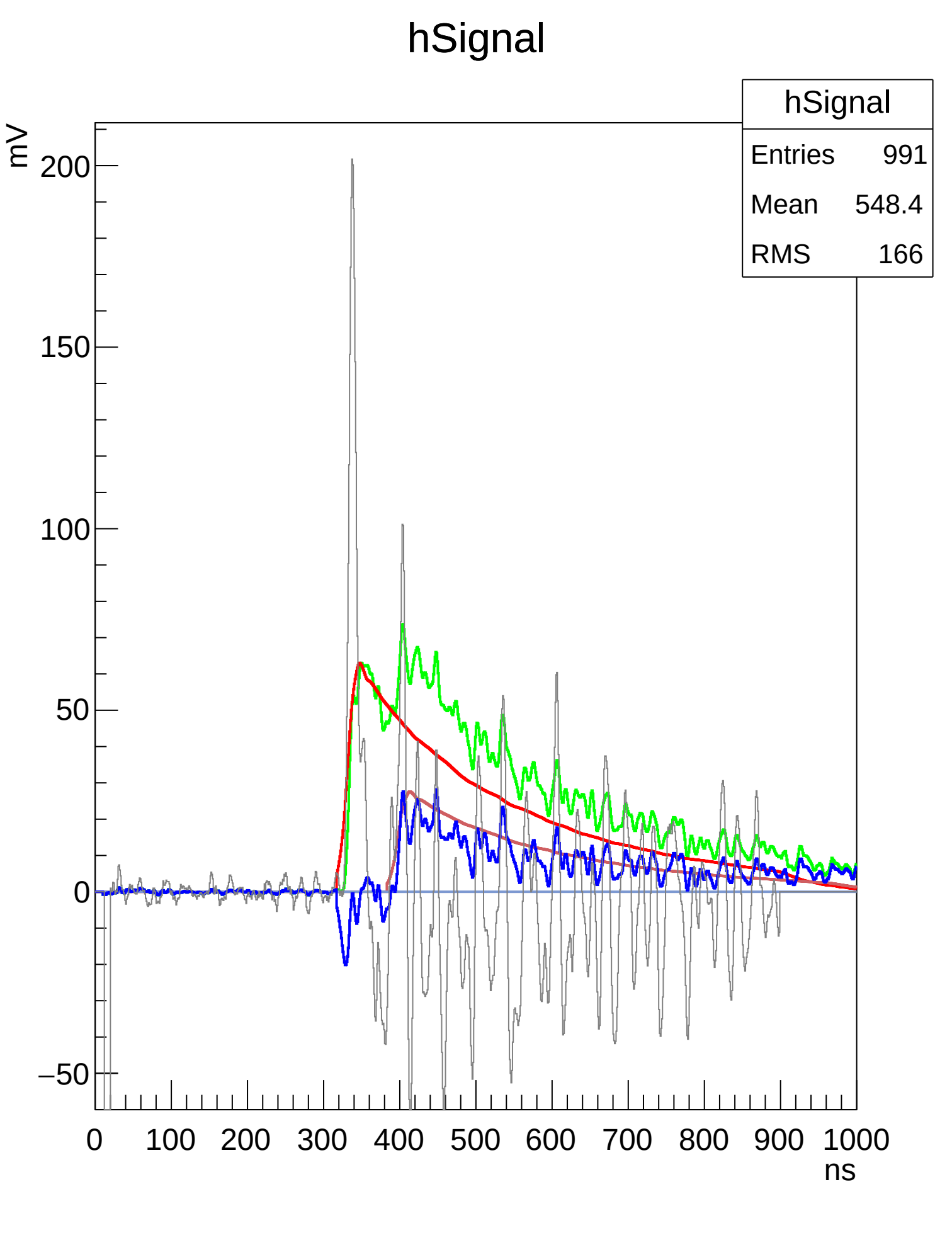
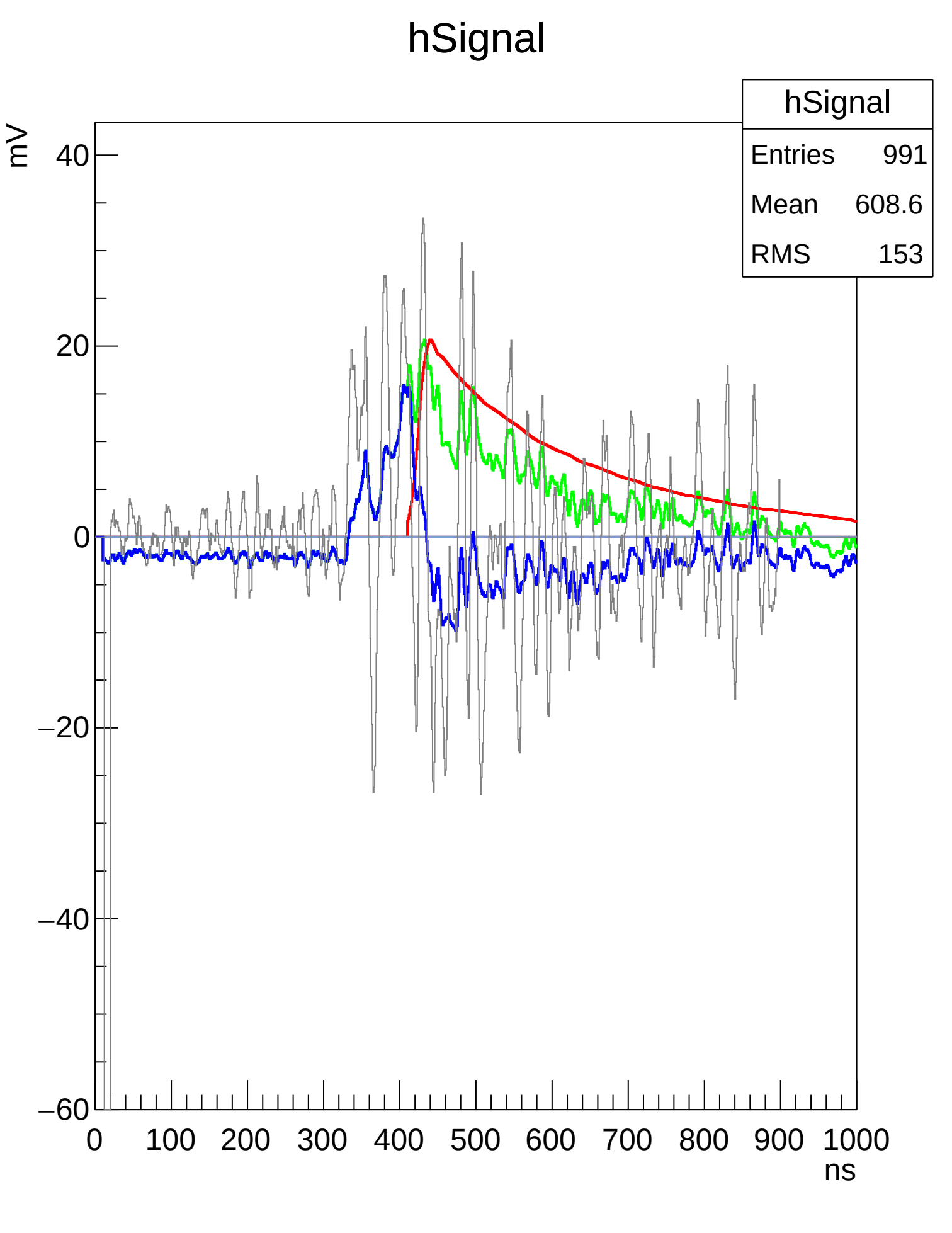
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.7
RMS 163.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.2
RMS 123.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.4
RMS 166
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.6
RMS 153
mV
40
20
0
−20
−40
−60
0
100
200
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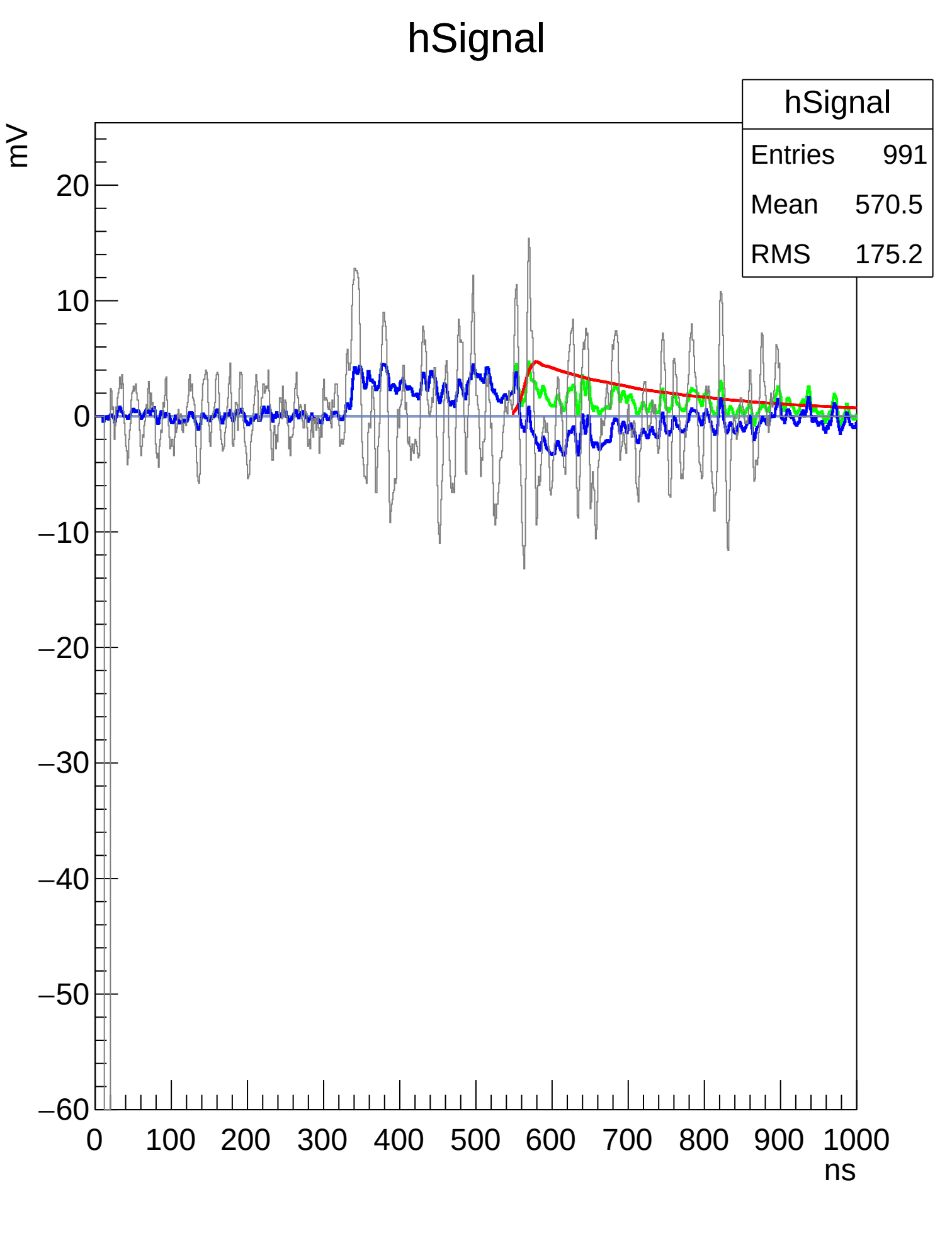
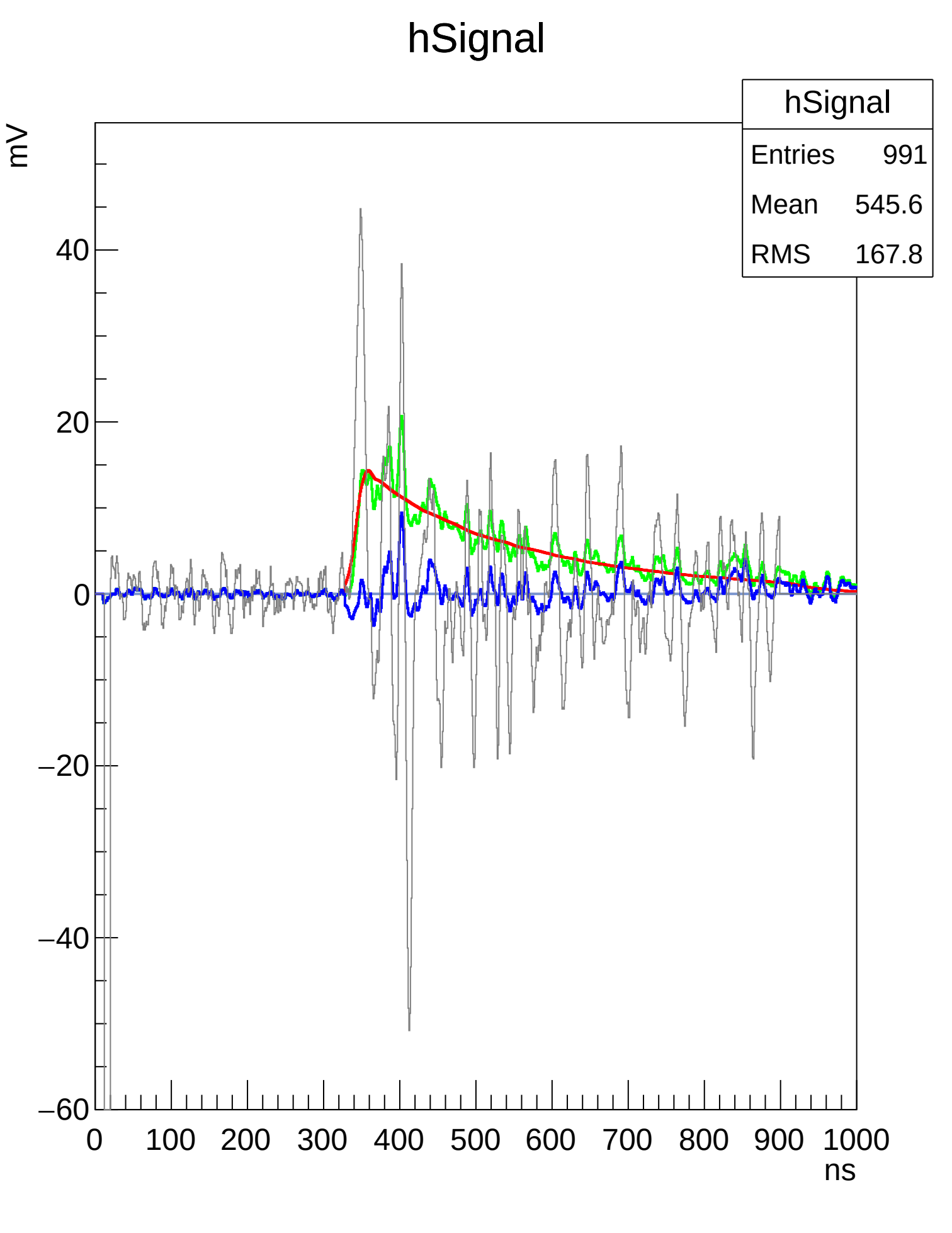
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.5
RMS 175.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.6
RMS 167.8
mV
40
20
0
−20
−40
−60
0
100
200
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400
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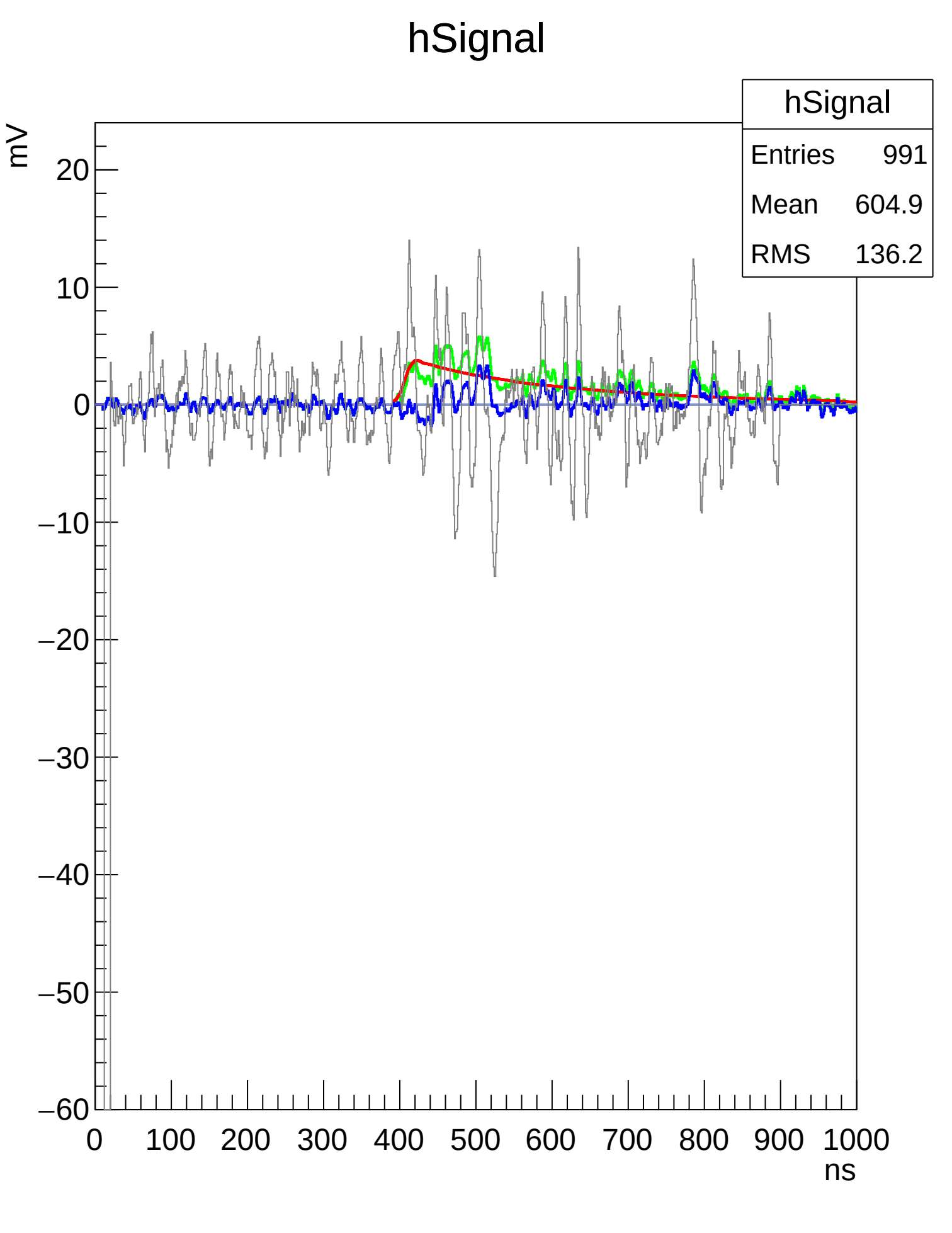
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.9
RMS 136.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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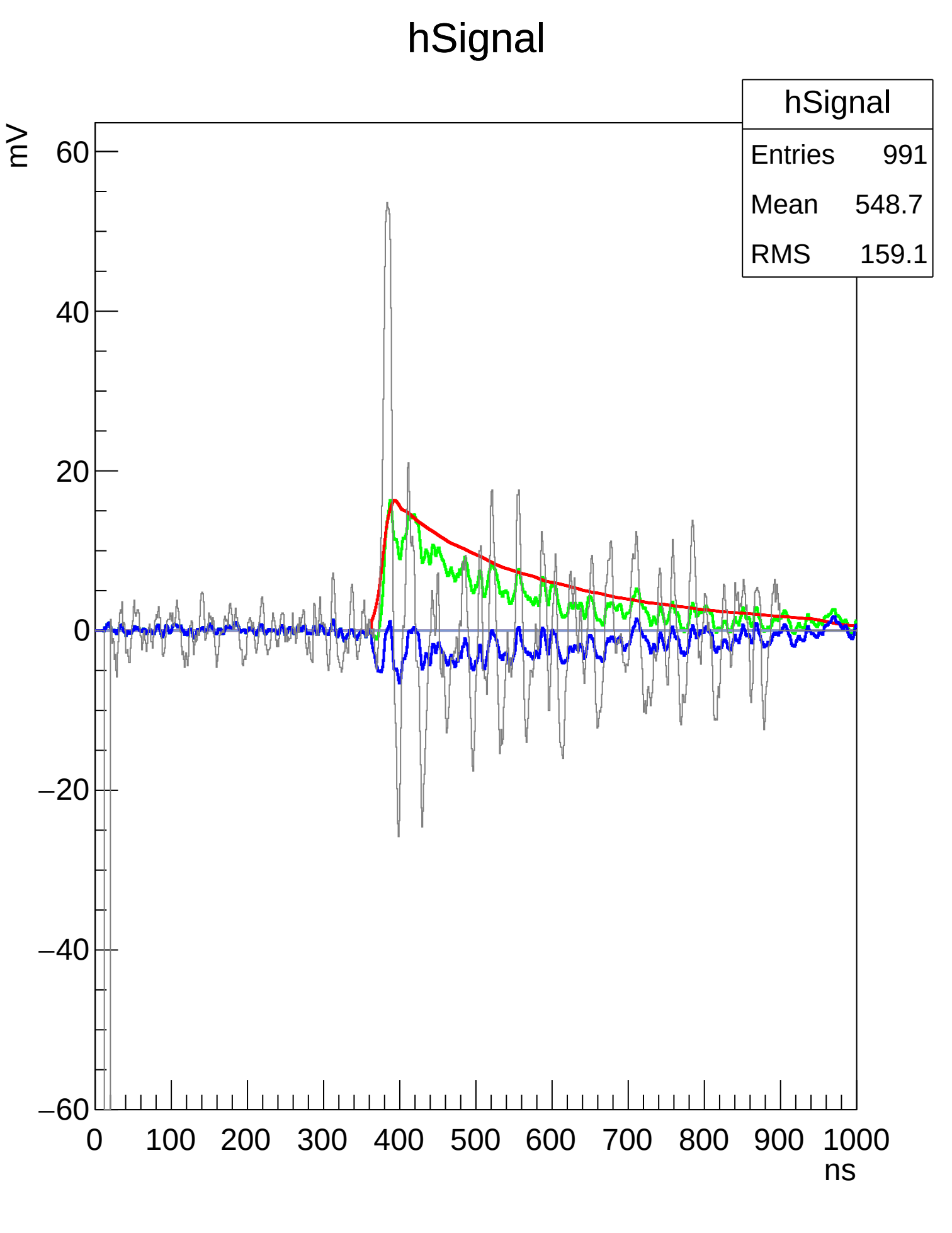
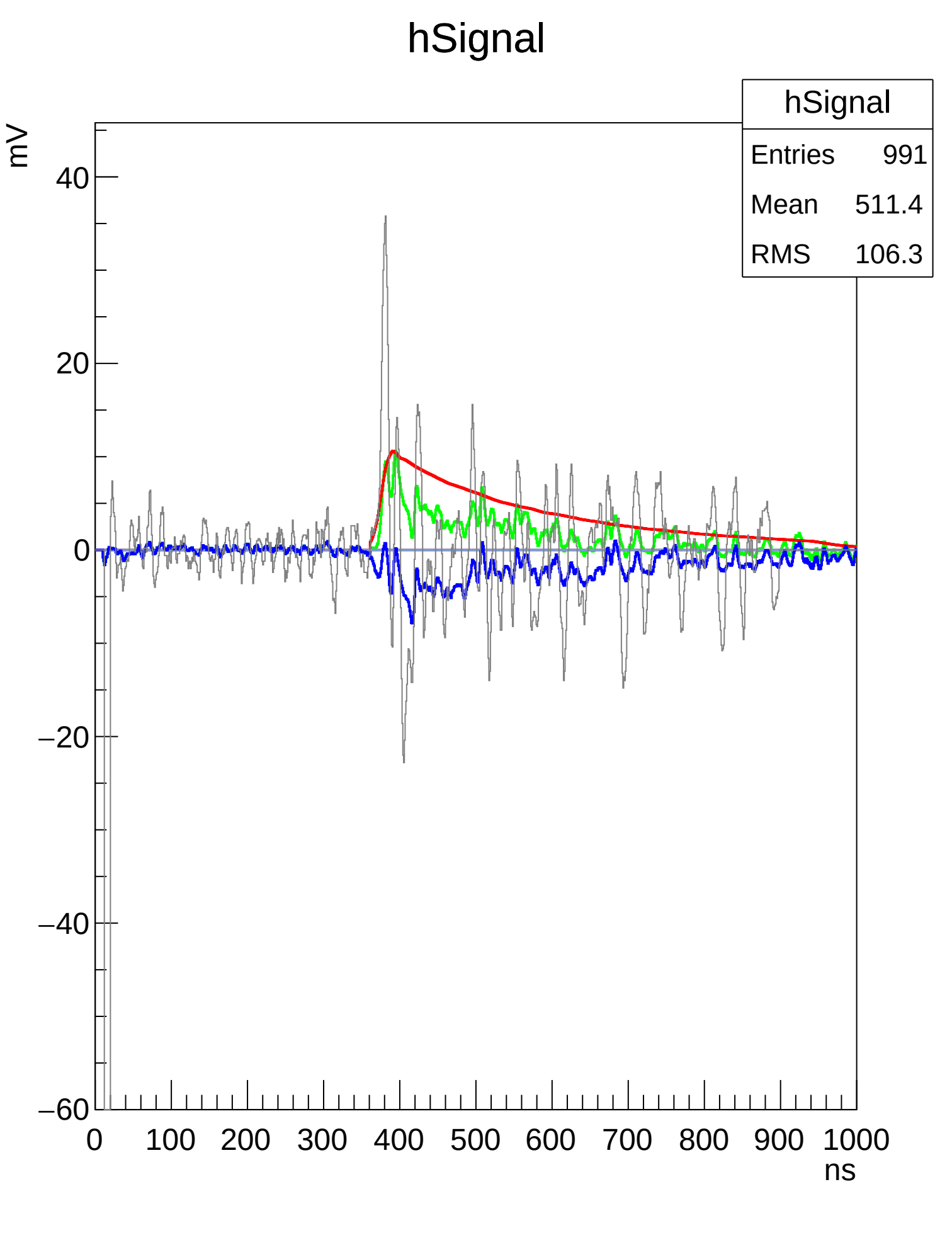
1000
ns


hSignal
hSignal
Entries 991
Mean 548.7
RMS 159.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.4
RMS 106.3
mV
40
20
0
−20
−40
−60
0
100
200
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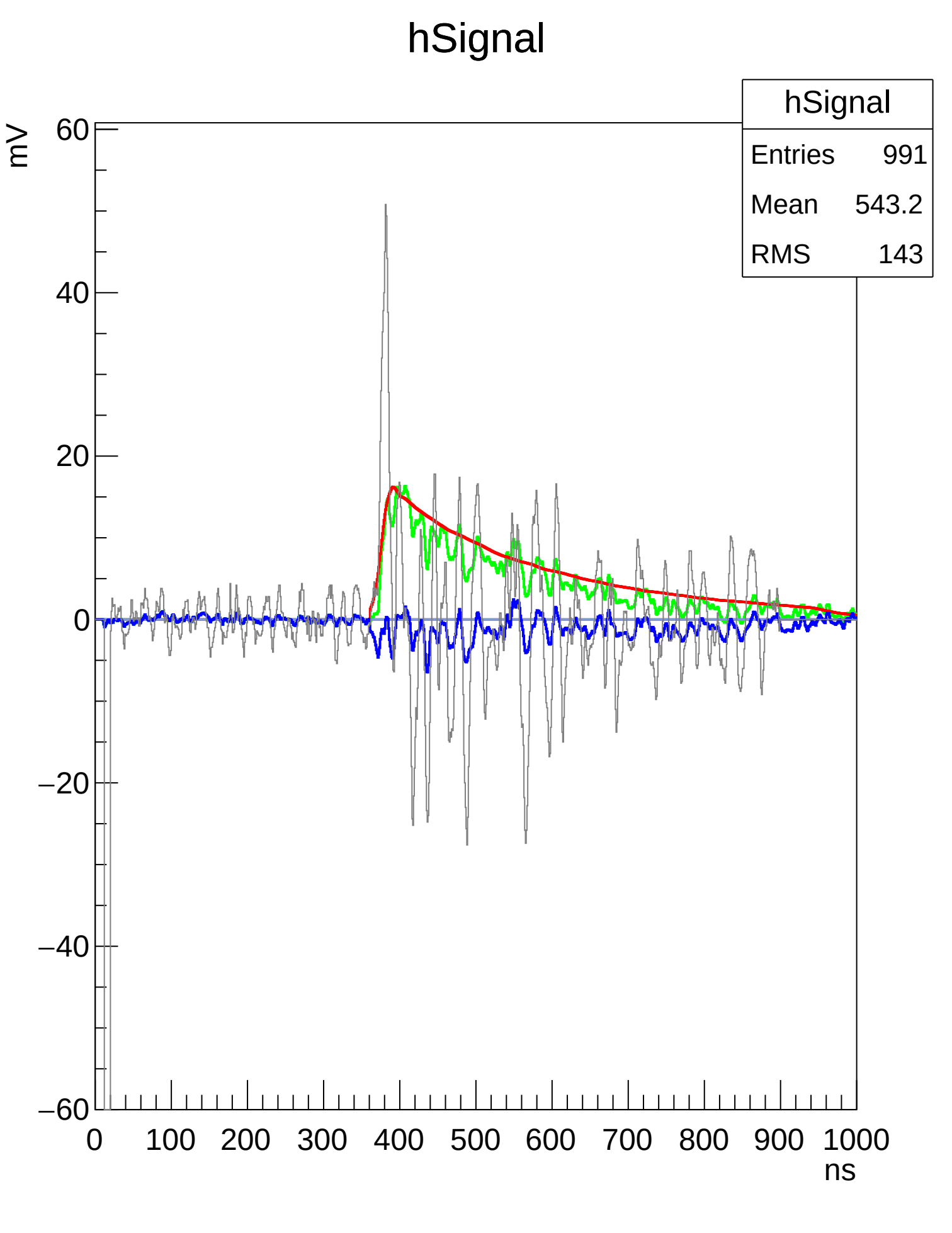
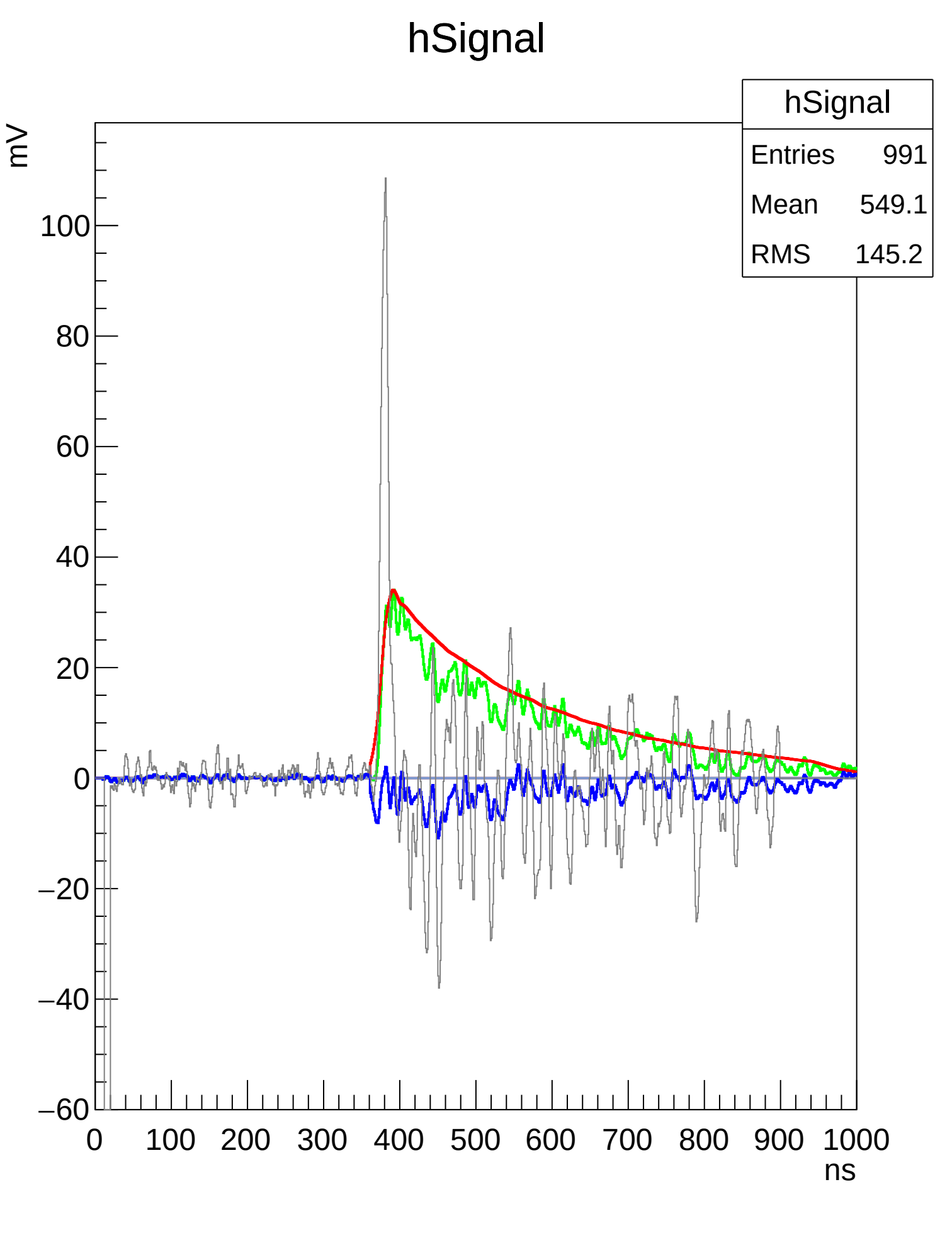
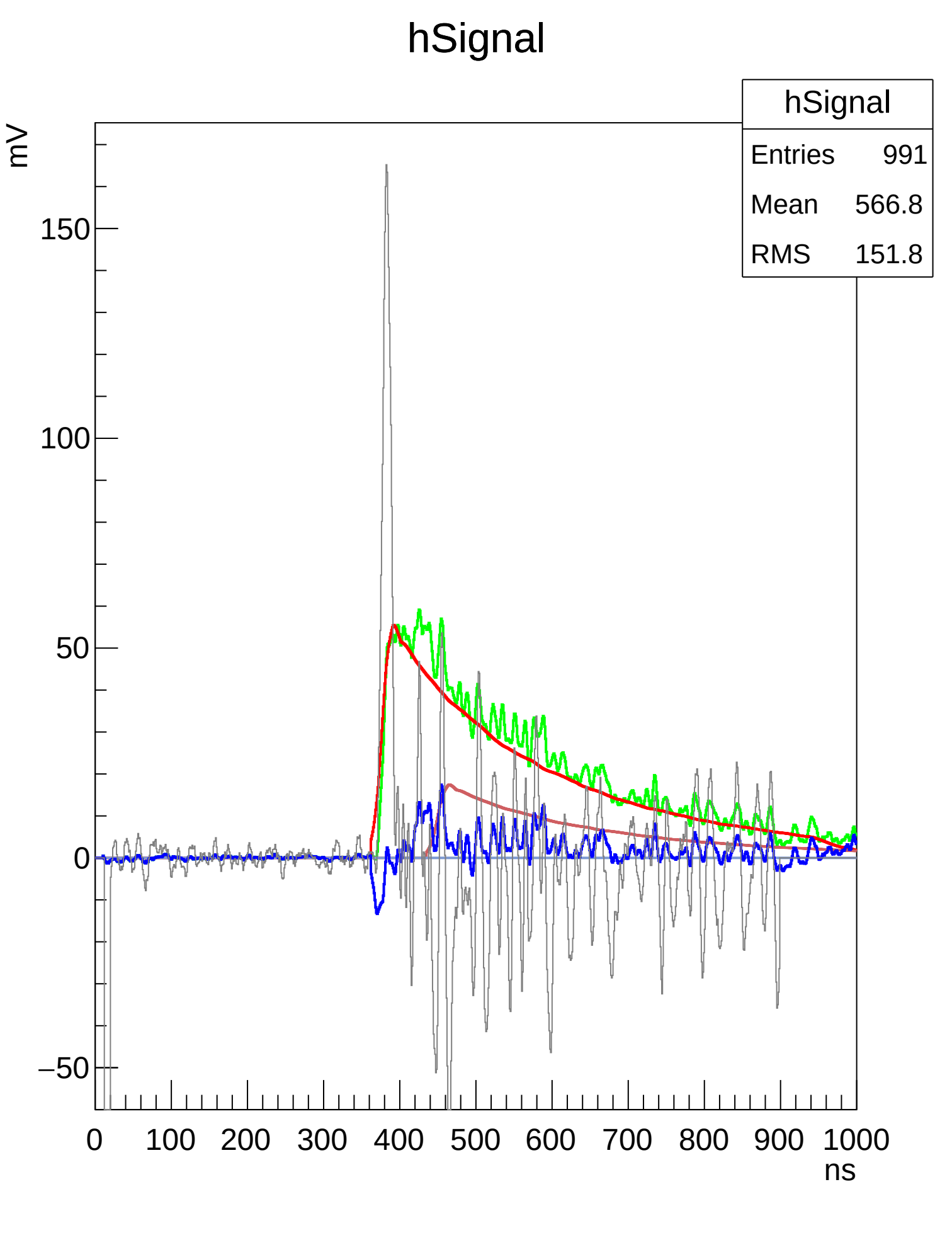
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.2
RMS 143
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.1
RMS 145.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.8
RMS 151.8
mV
150
100
50
0
−50
0
100
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300
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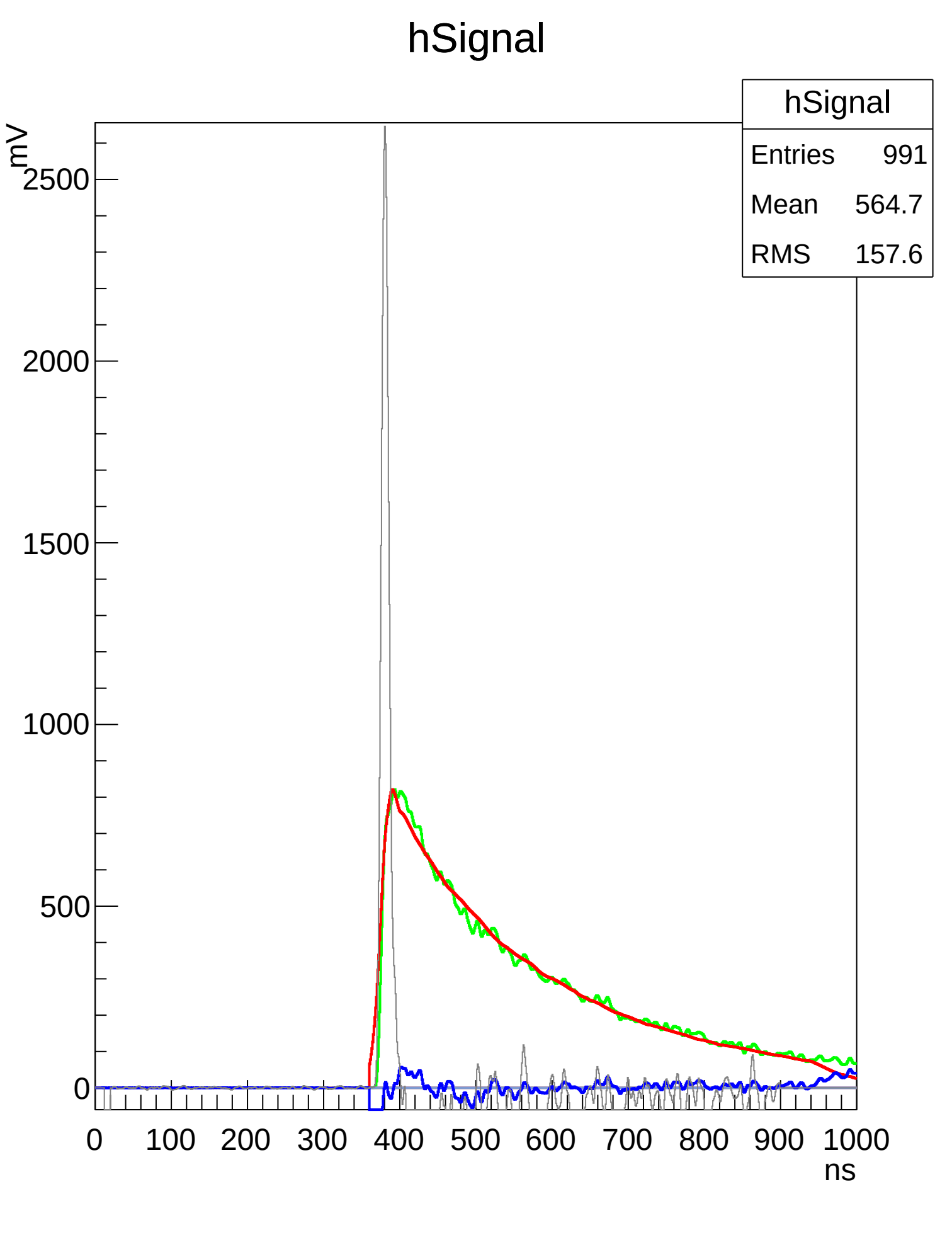
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.7
RMS 157.6
mV
2500
2000
1500
1000
500
0
0
100
200
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400
500
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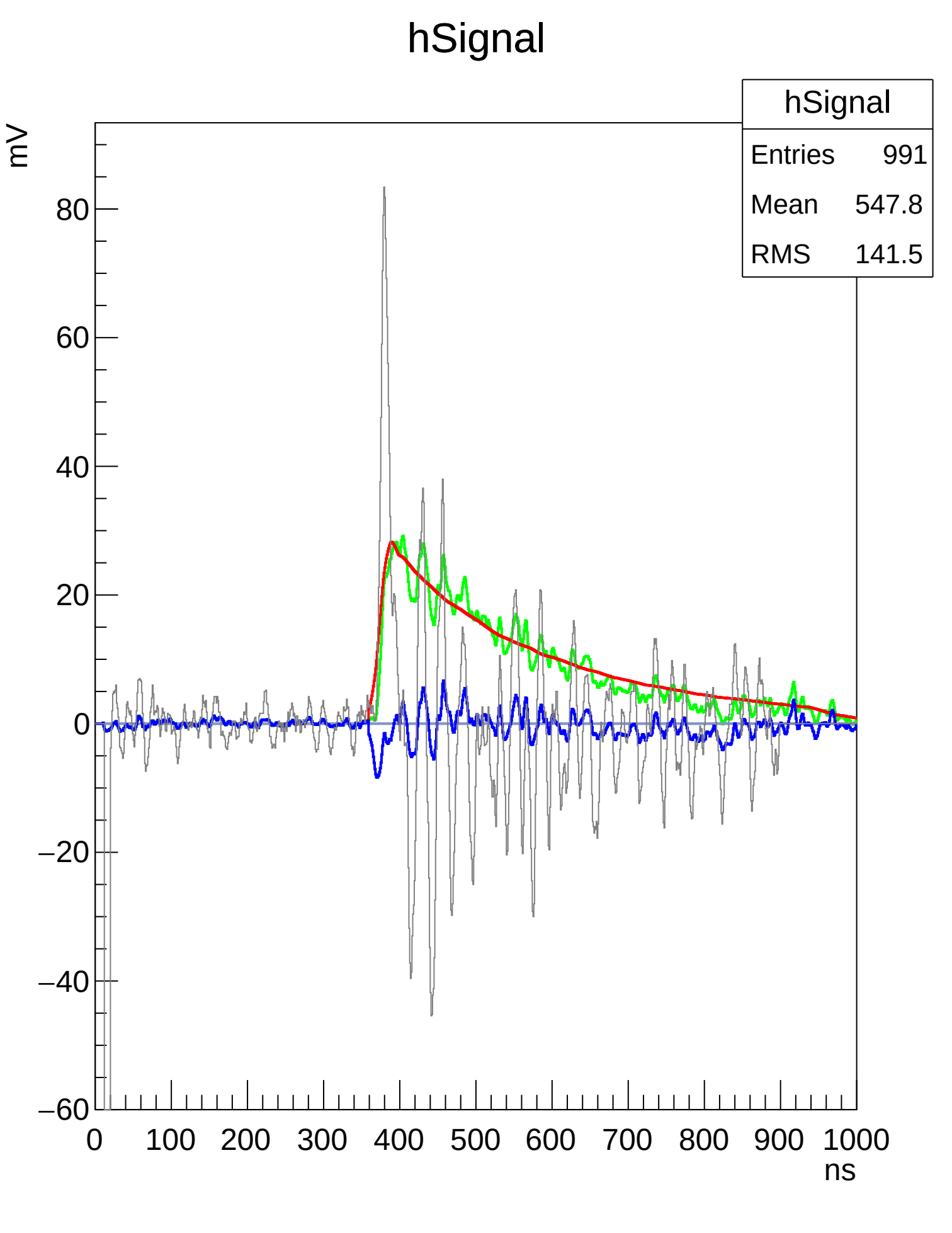
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.8
RMS 141.5
mV
80
60
40
20
0
−20
−40
−60
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100
200
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600
700
800
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1000
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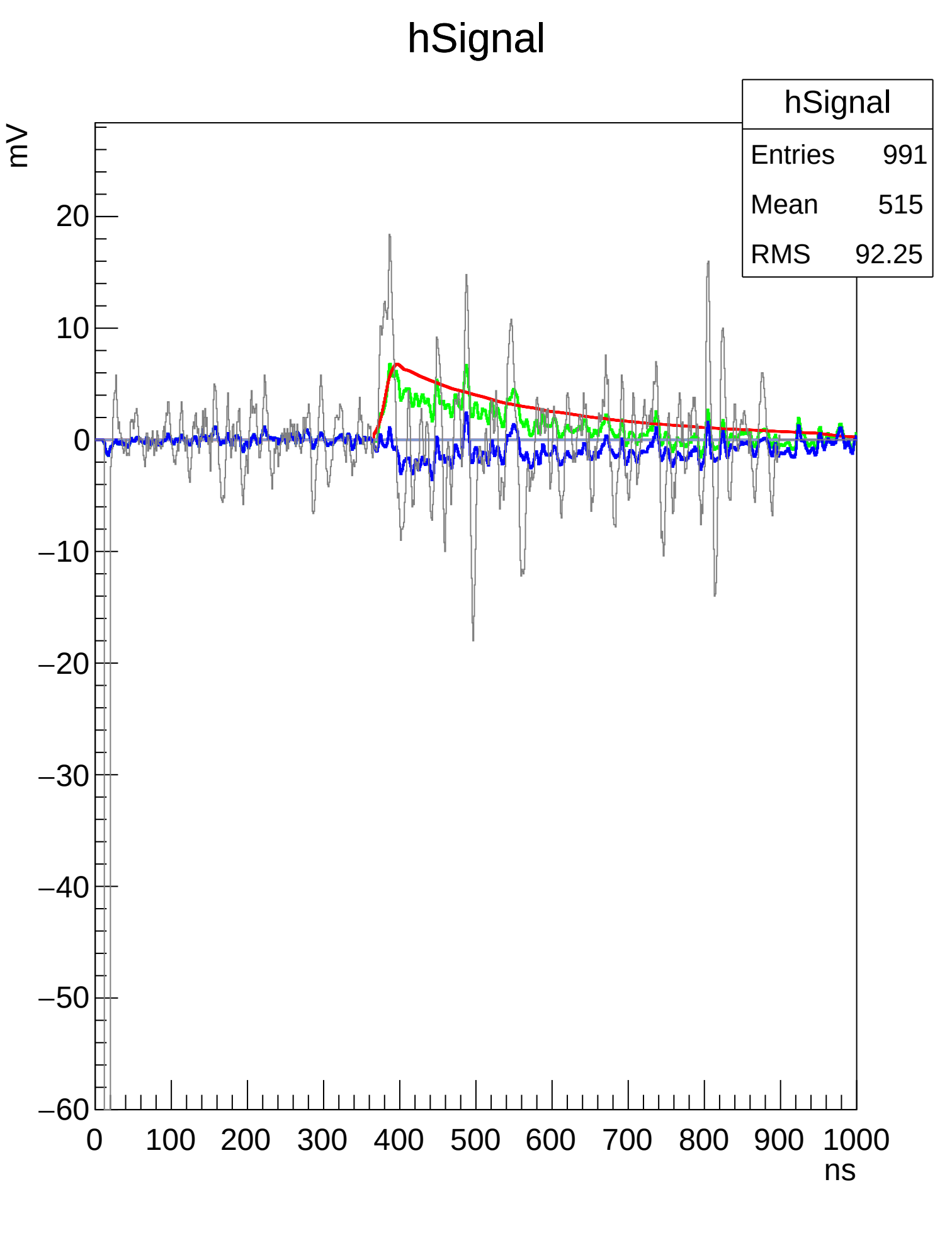
hSignal
hSignal
Entries 991
Mean 515
RMS 92.25
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
900
1000
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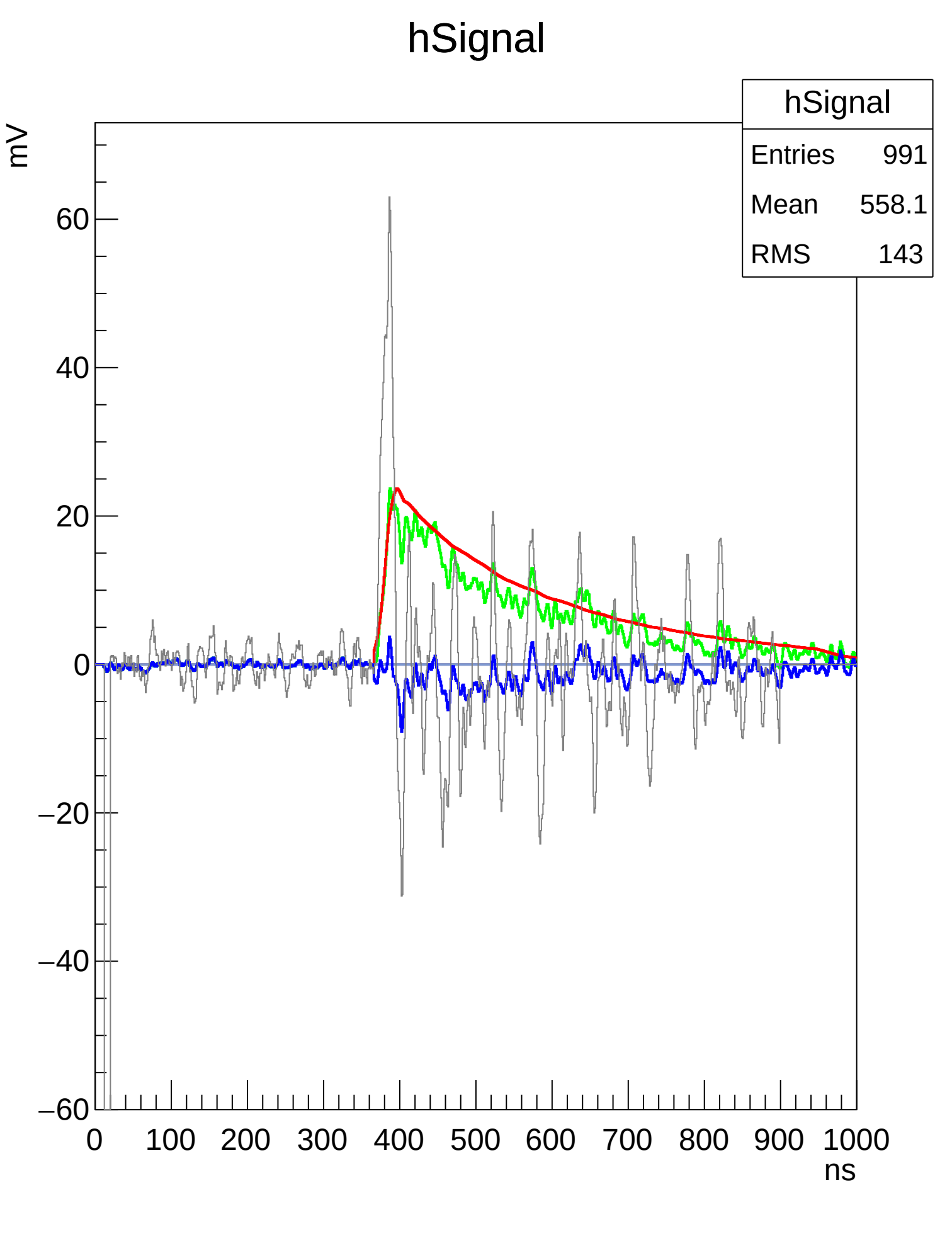
hSignal
hSignal
Entries 991
Mean 558.1
RMS 143
mV
60
40
20
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−20
−40
−60
0
100
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600
700
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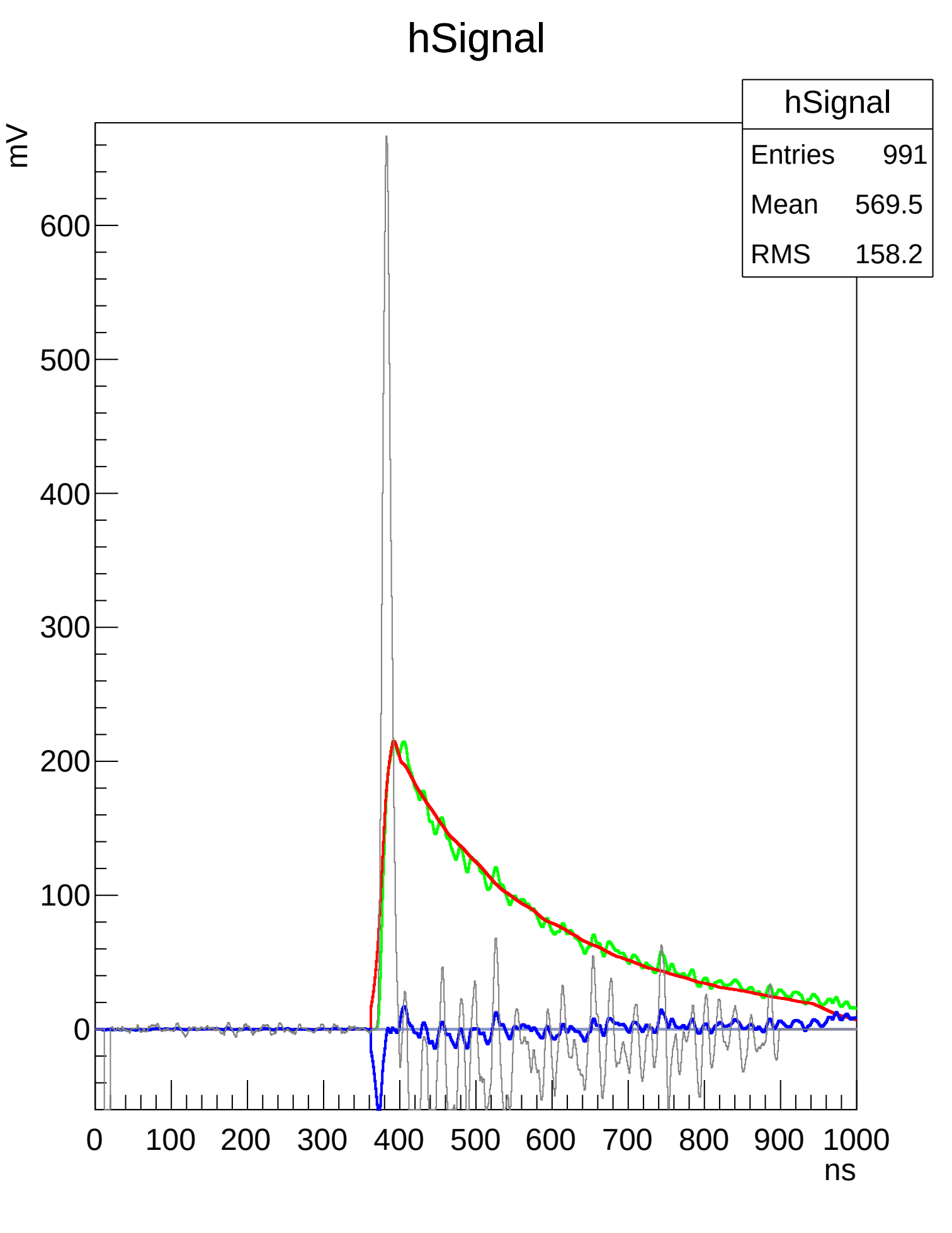
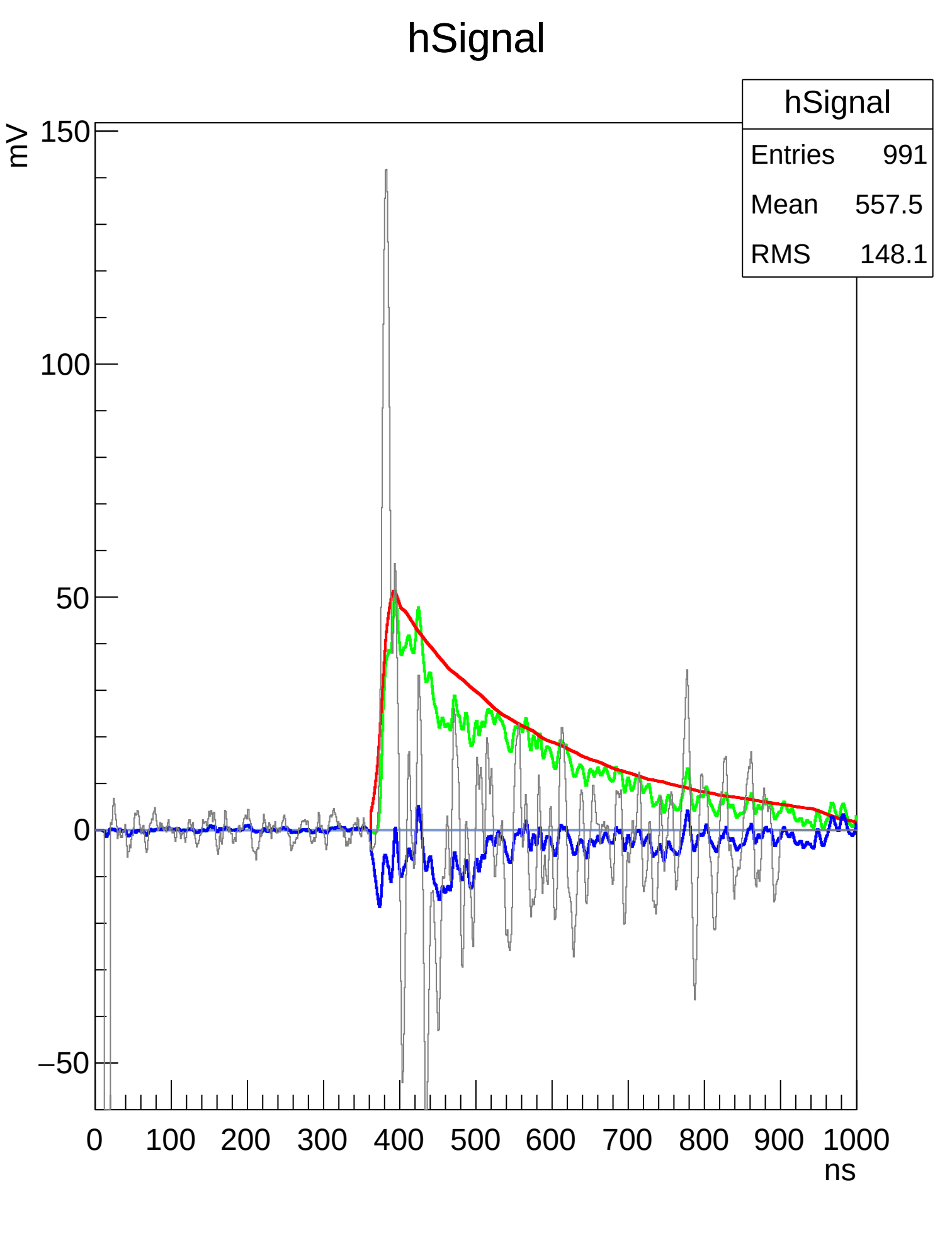
1000
ns


hSignal
hSignal
Entries 991
Mean 569.5
RMS 158.2
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.5
RMS 148.1
mV
150
100
50
0
−50
0
100
200
300
400
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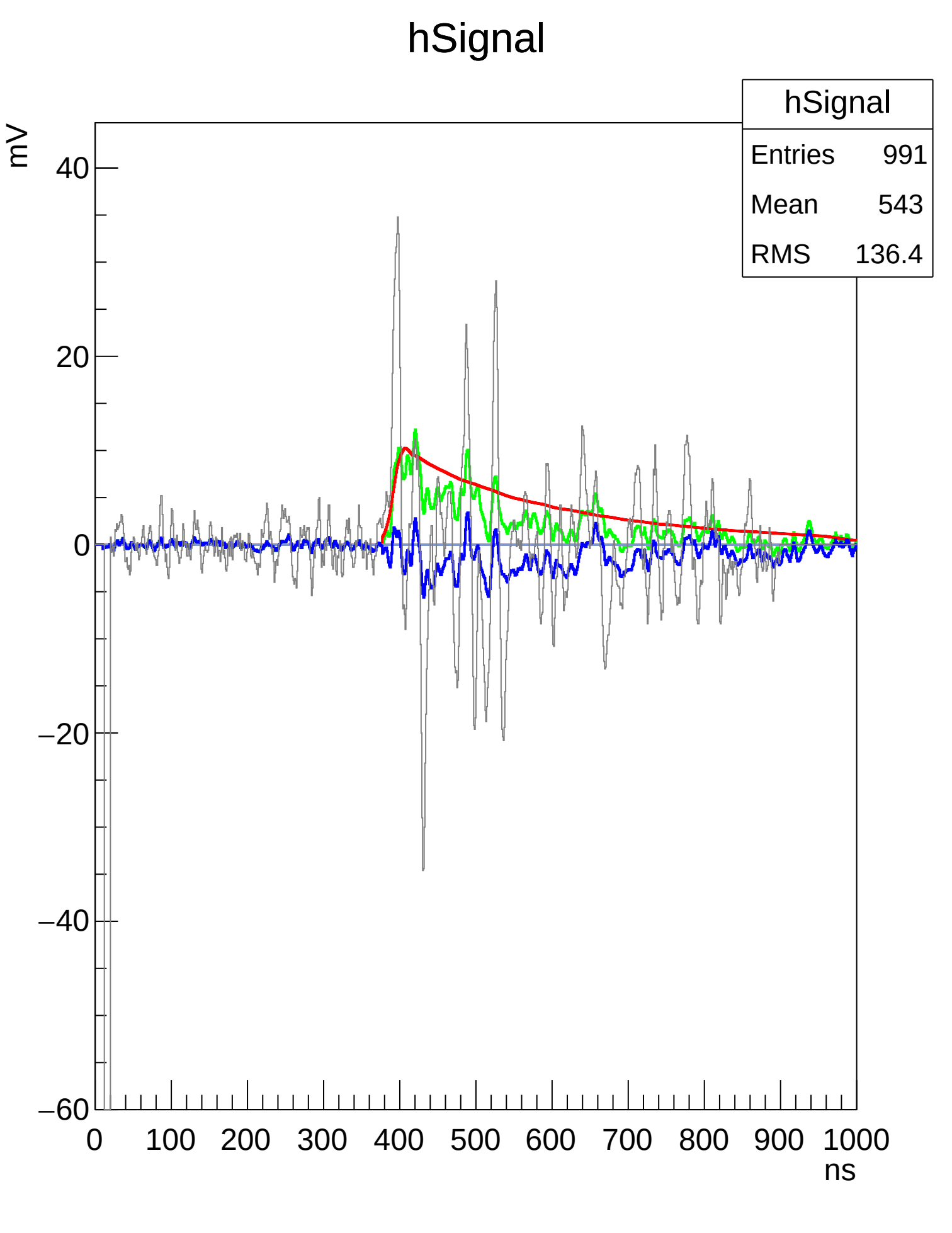
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543
RMS 136.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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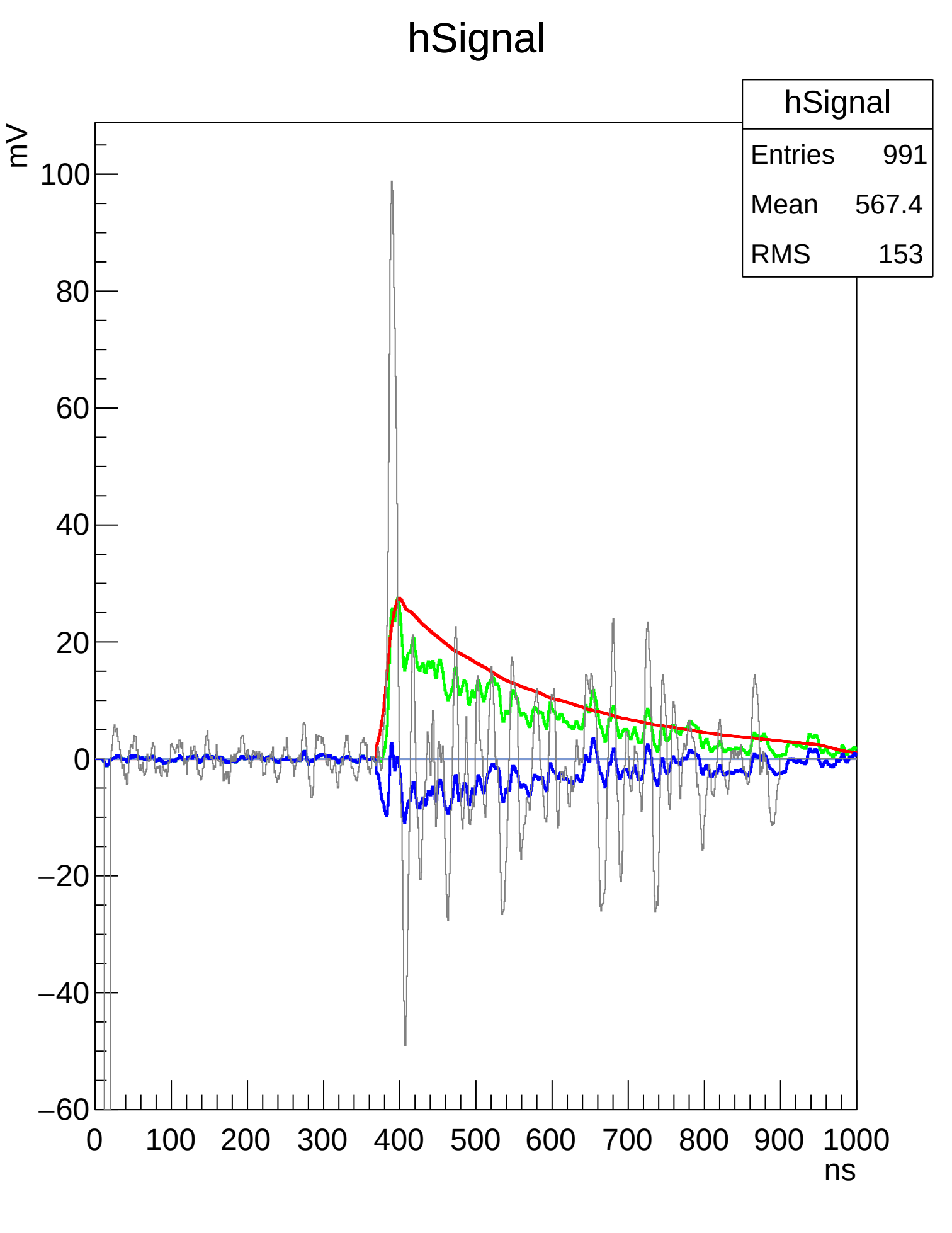
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.4
RMS 153
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
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400
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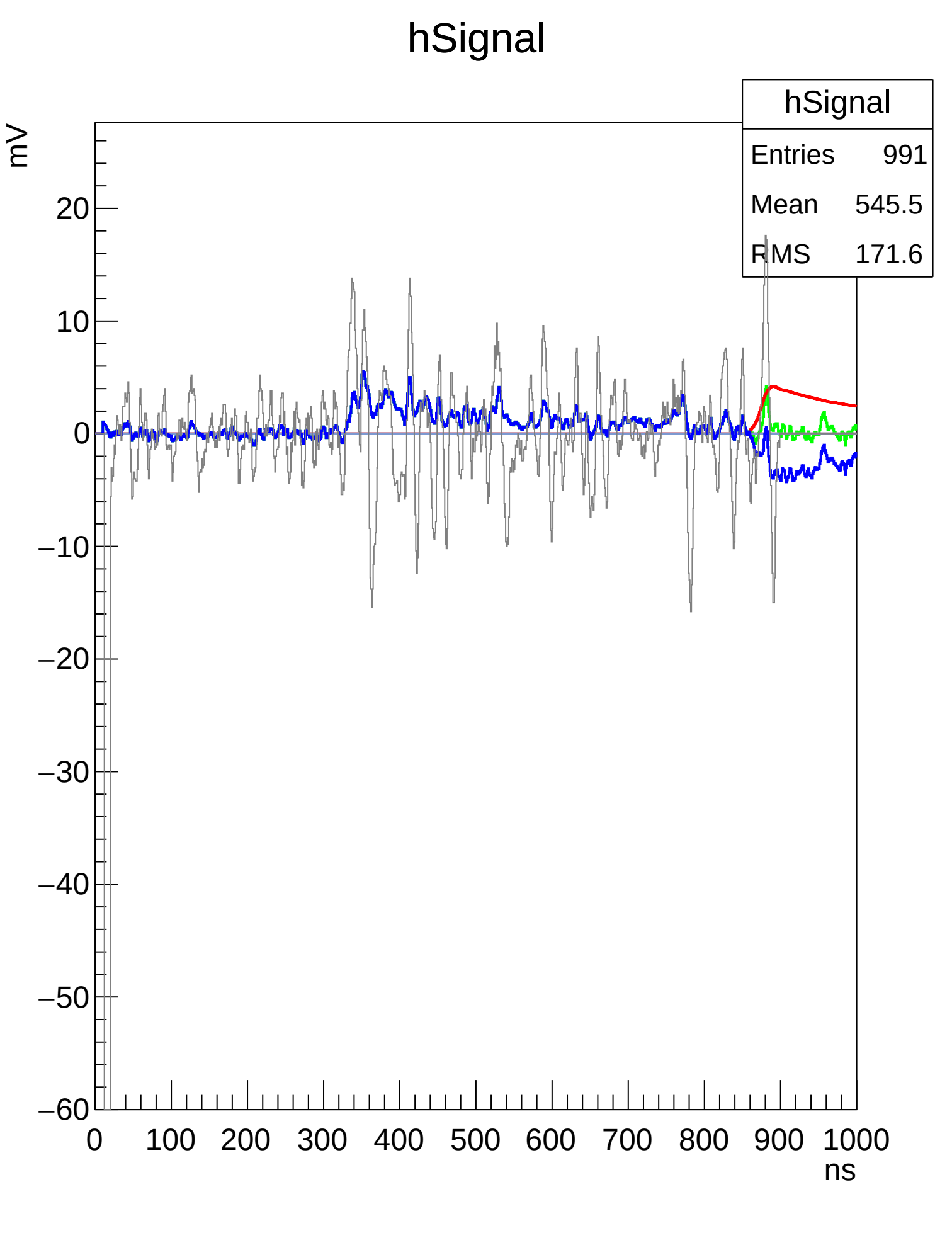
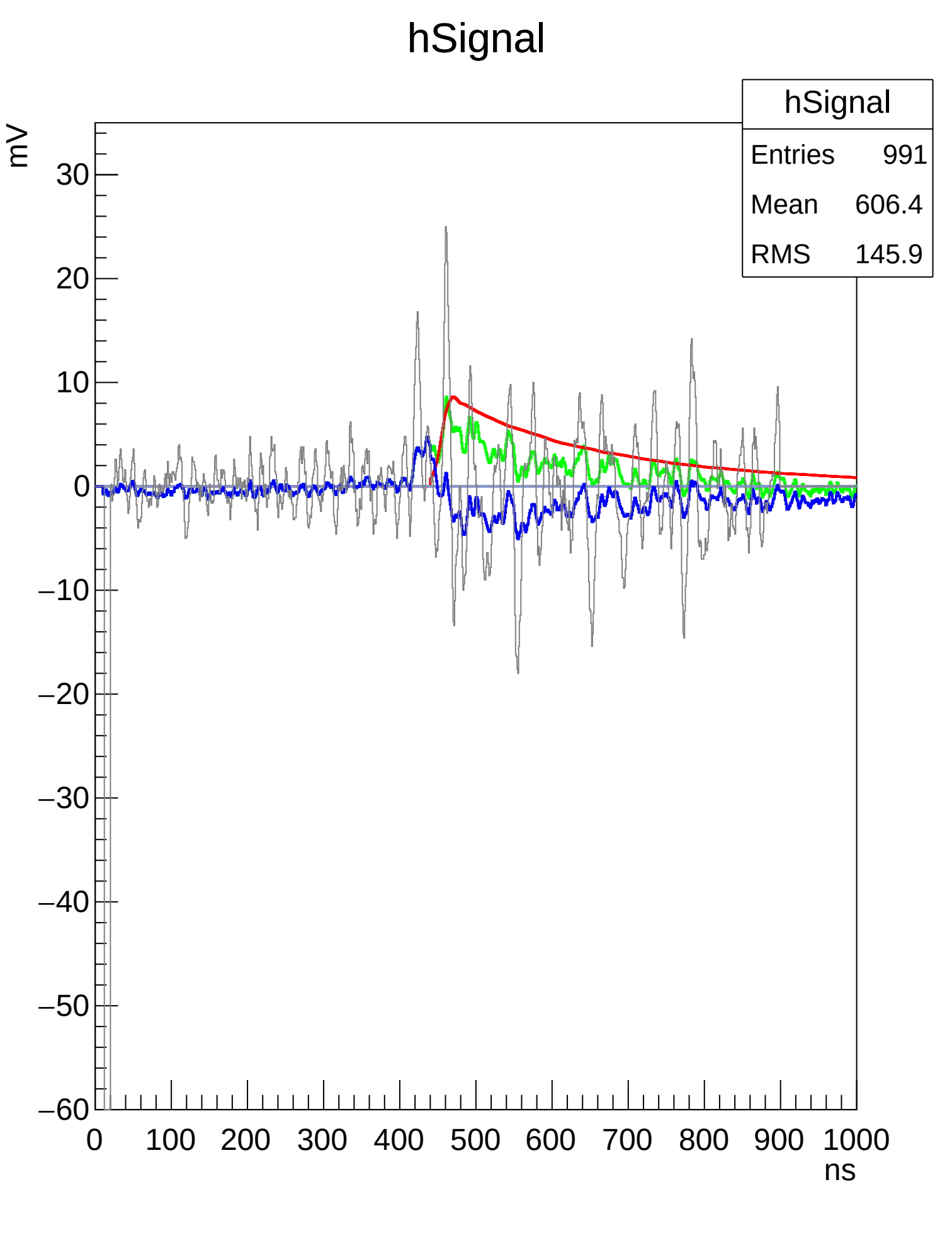
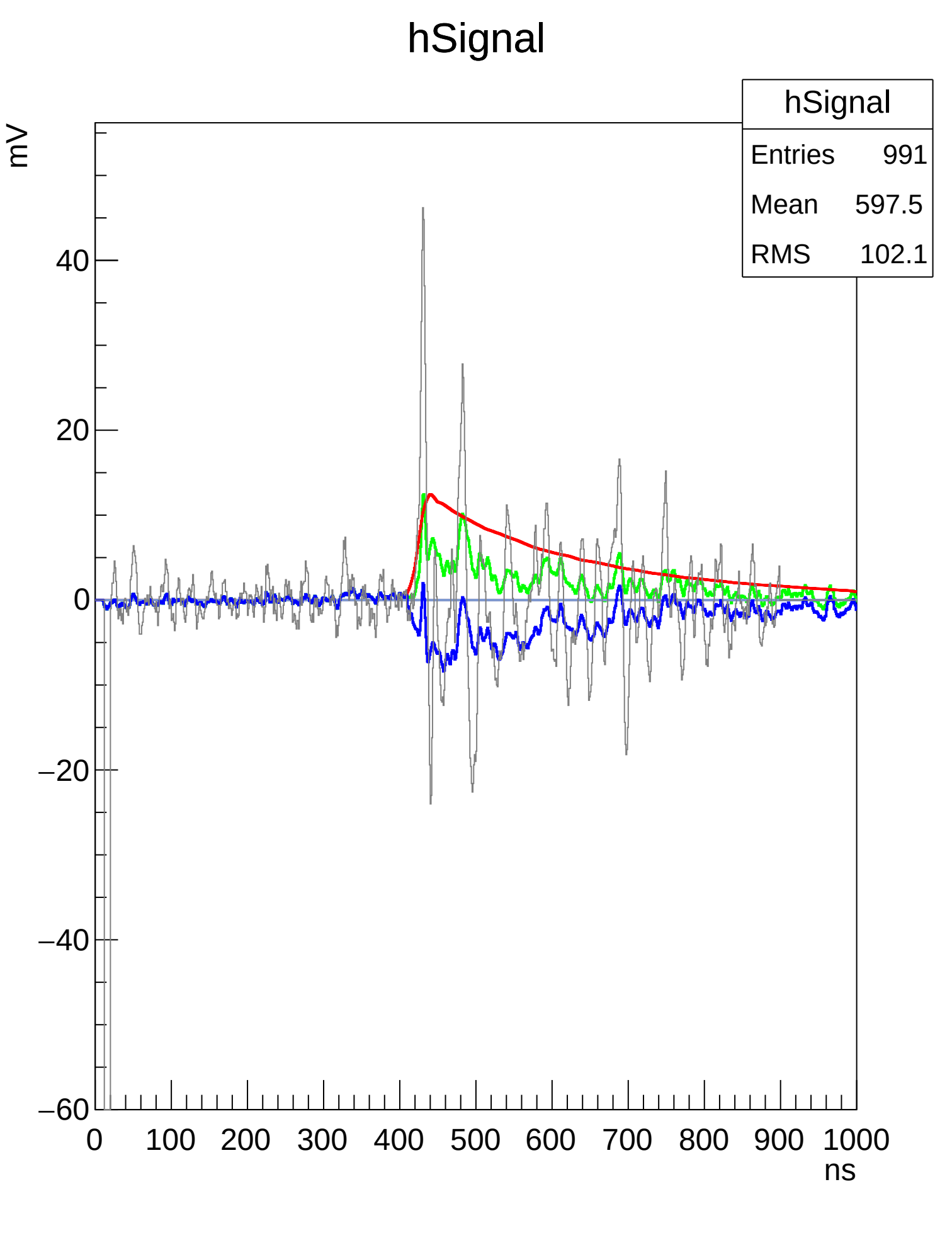
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.5
RMS 171.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.4
RMS 145.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.5
RMS 102.1
mV
40
20
0
−20
−40
−60
0
100
200
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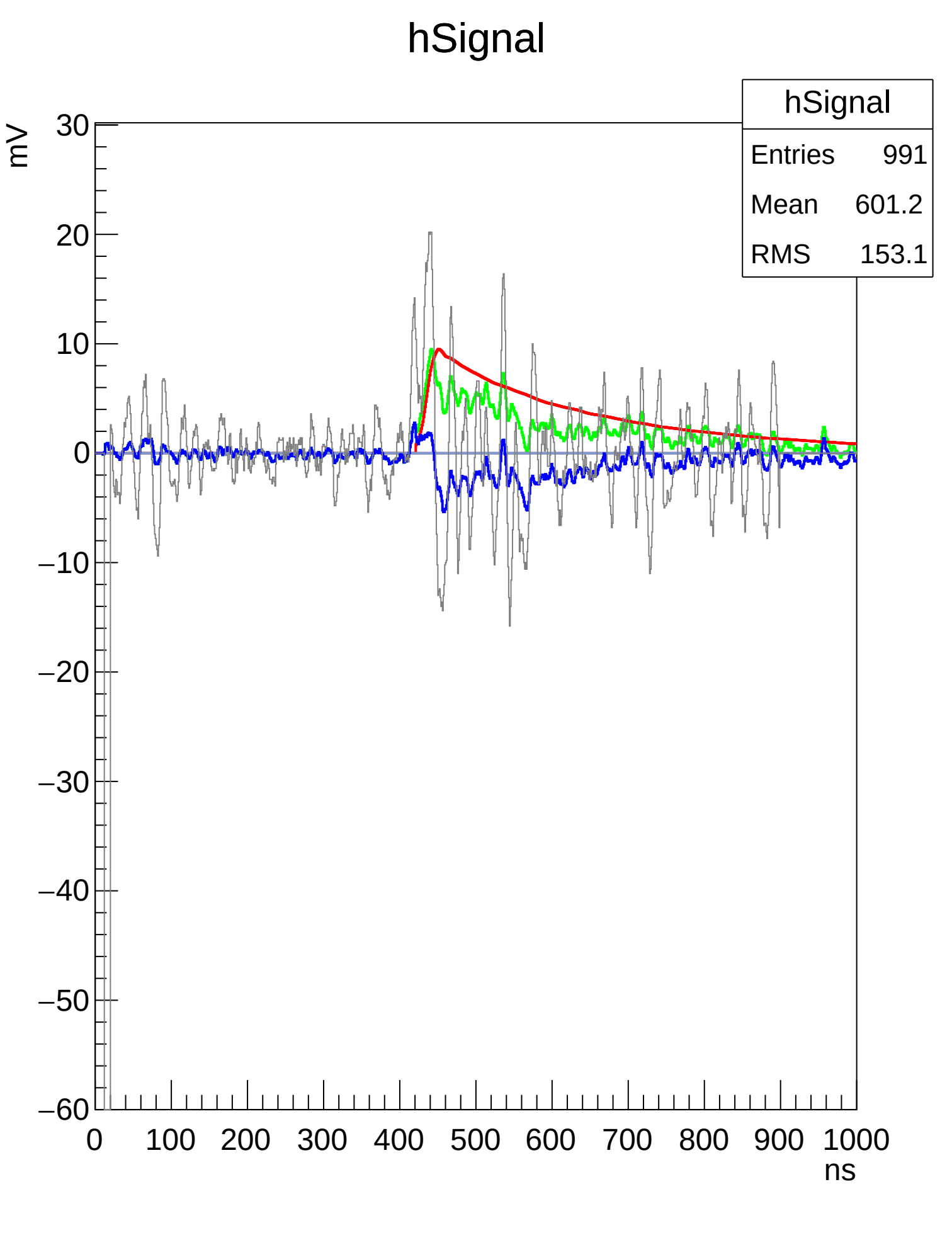
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 153.1
mV
30
20
10
0
−10
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−40
−50
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0
100
200
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400
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1000
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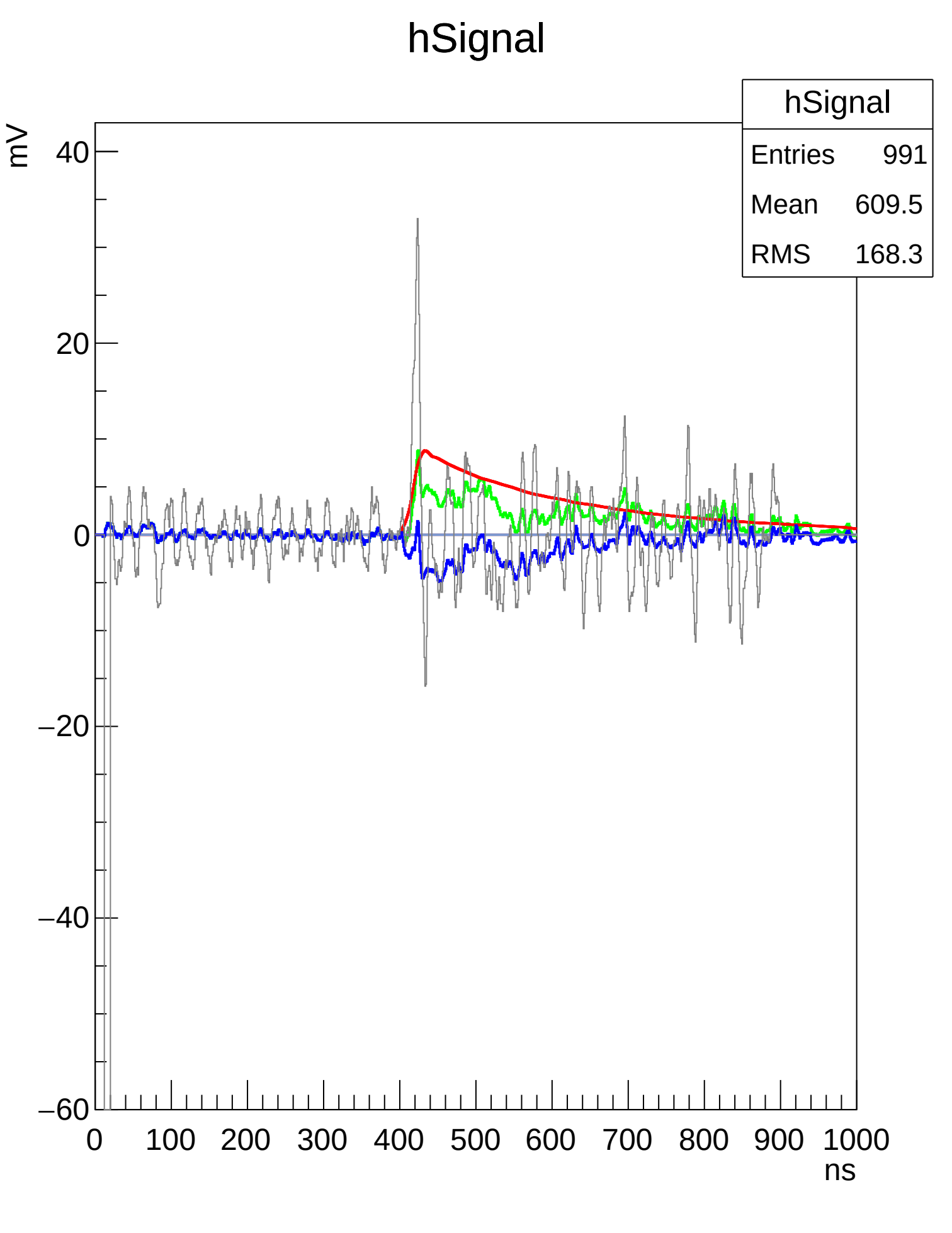
hSignal
hSignal
Entries 991
Mean 609.5
RMS 168.3
mV
40
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0
−20
−40
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0
100
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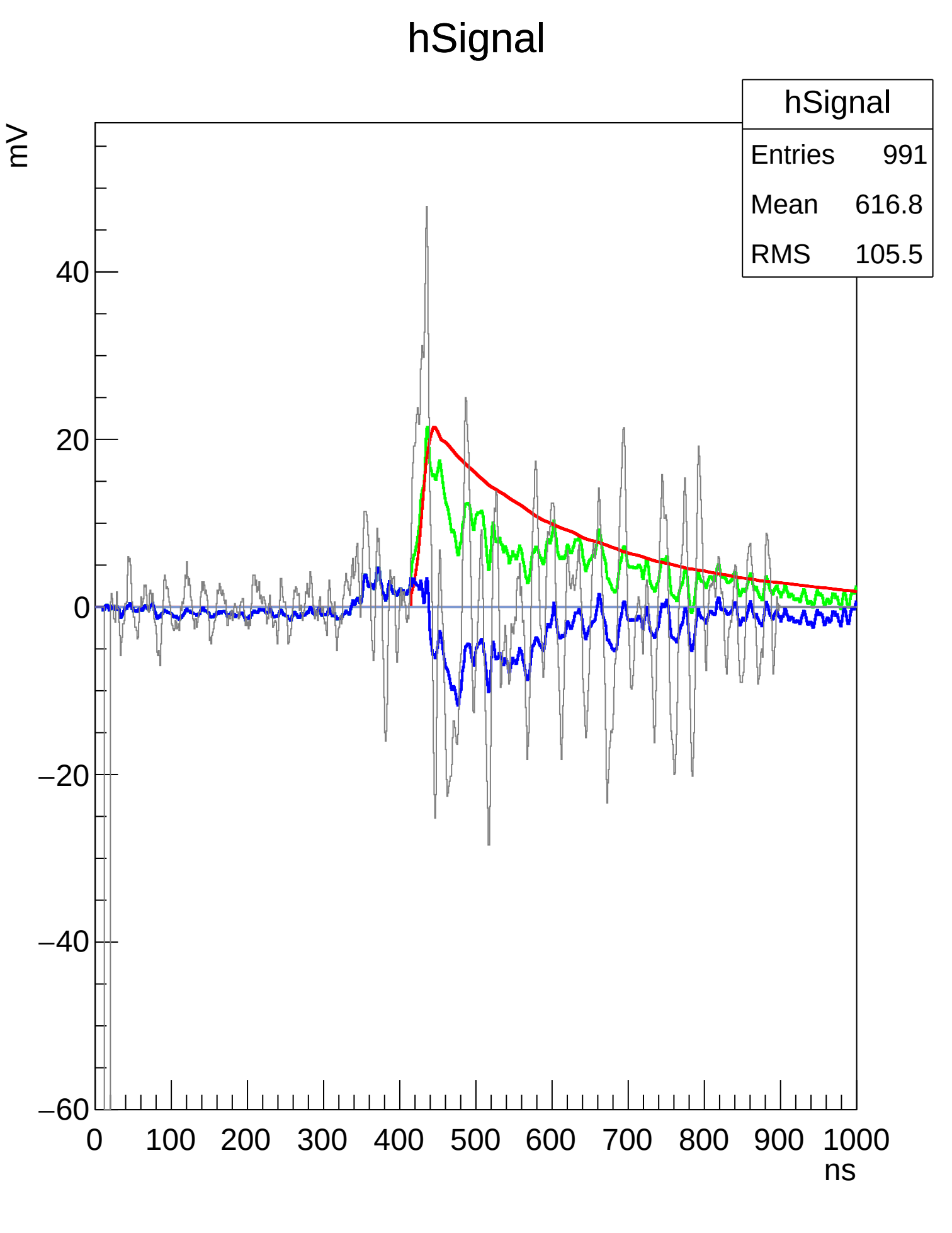
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.8
RMS 105.5
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
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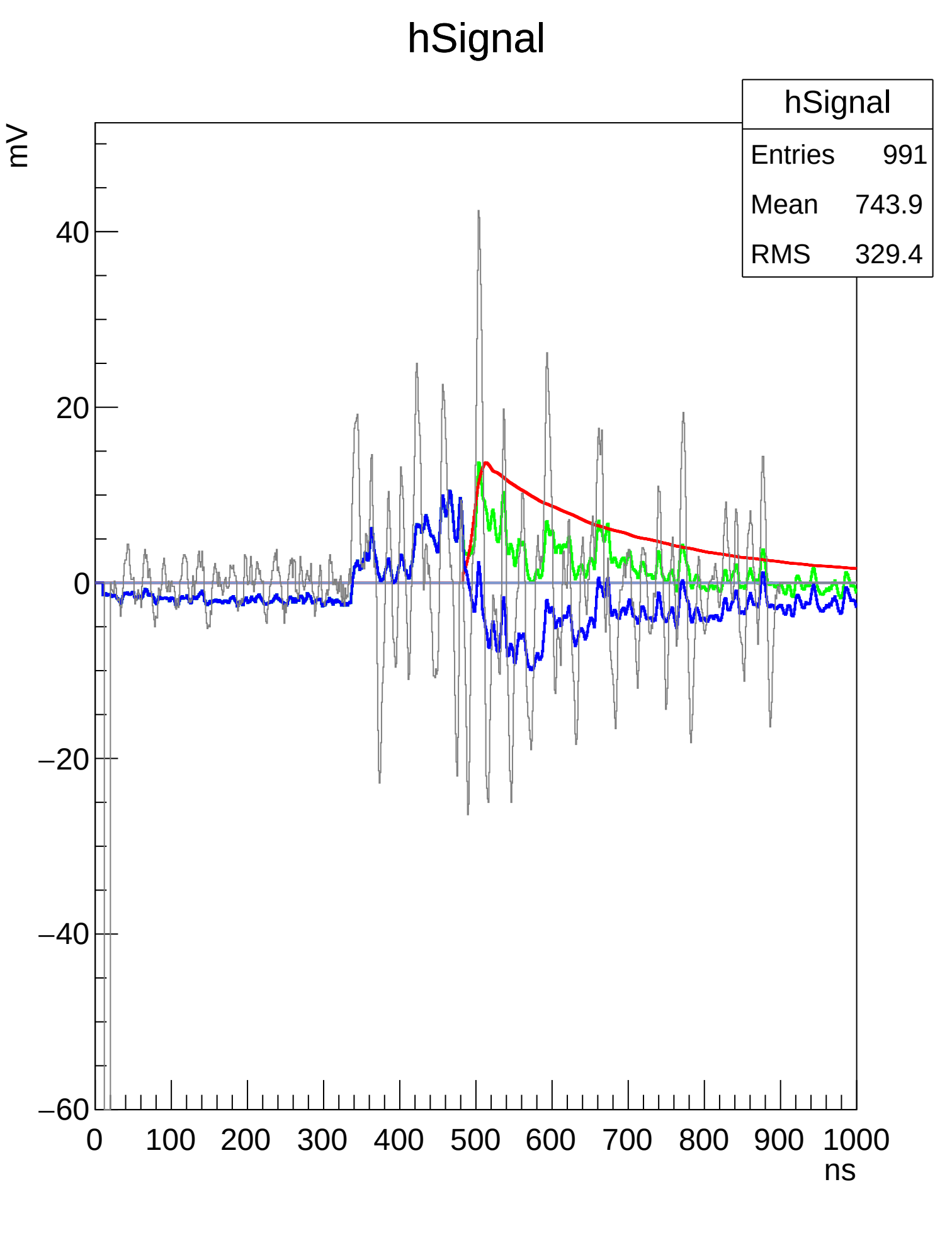
1000
ns


hSignal
hSignal
Entries 991
Mean 743.9
RMS 329.4
mV
40
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0
−20
−40
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0
100
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800
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1000
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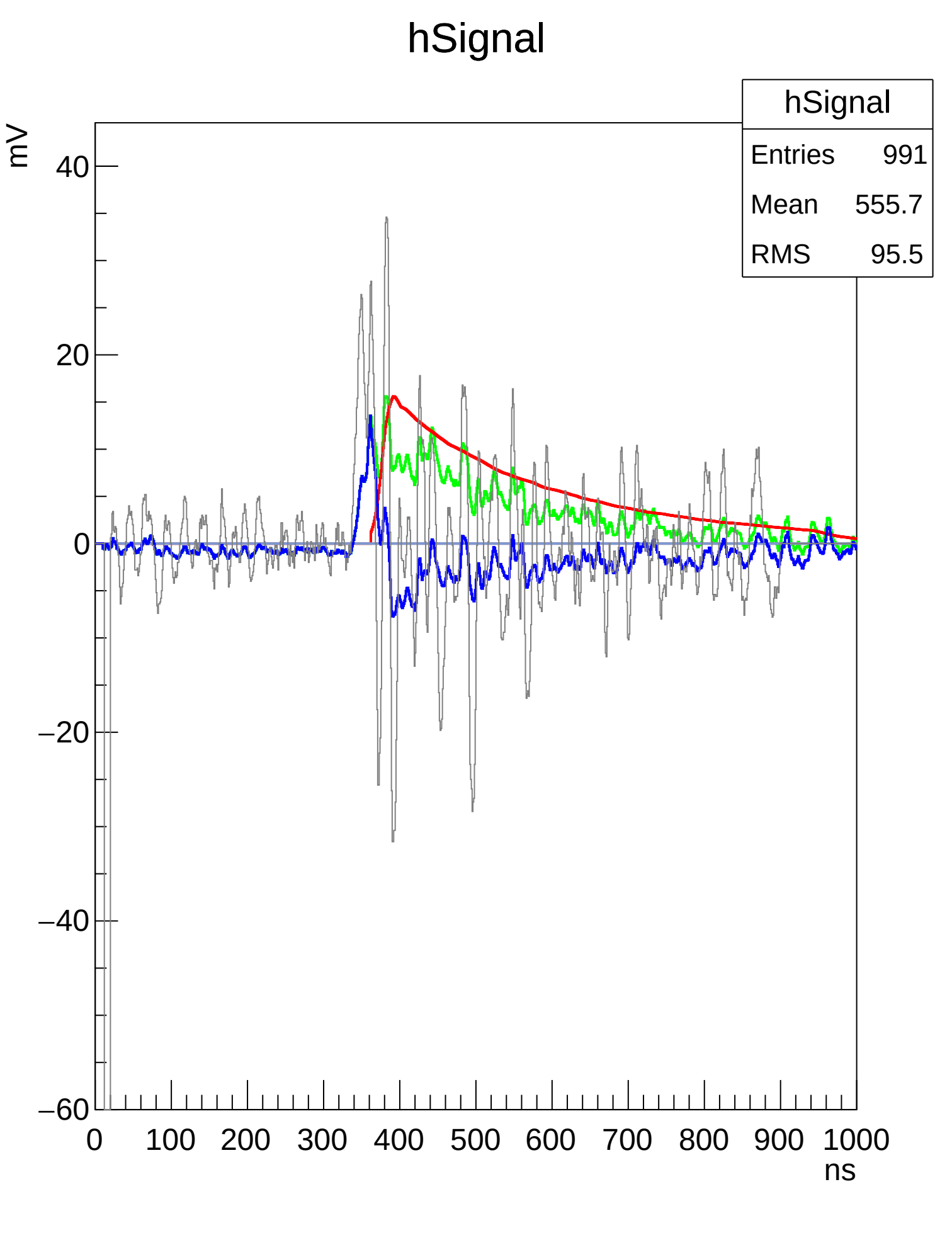
hSignal
hSignal
Entries 991
Mean 555.7
RMS 95.5
mV
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−20
−40
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0
100
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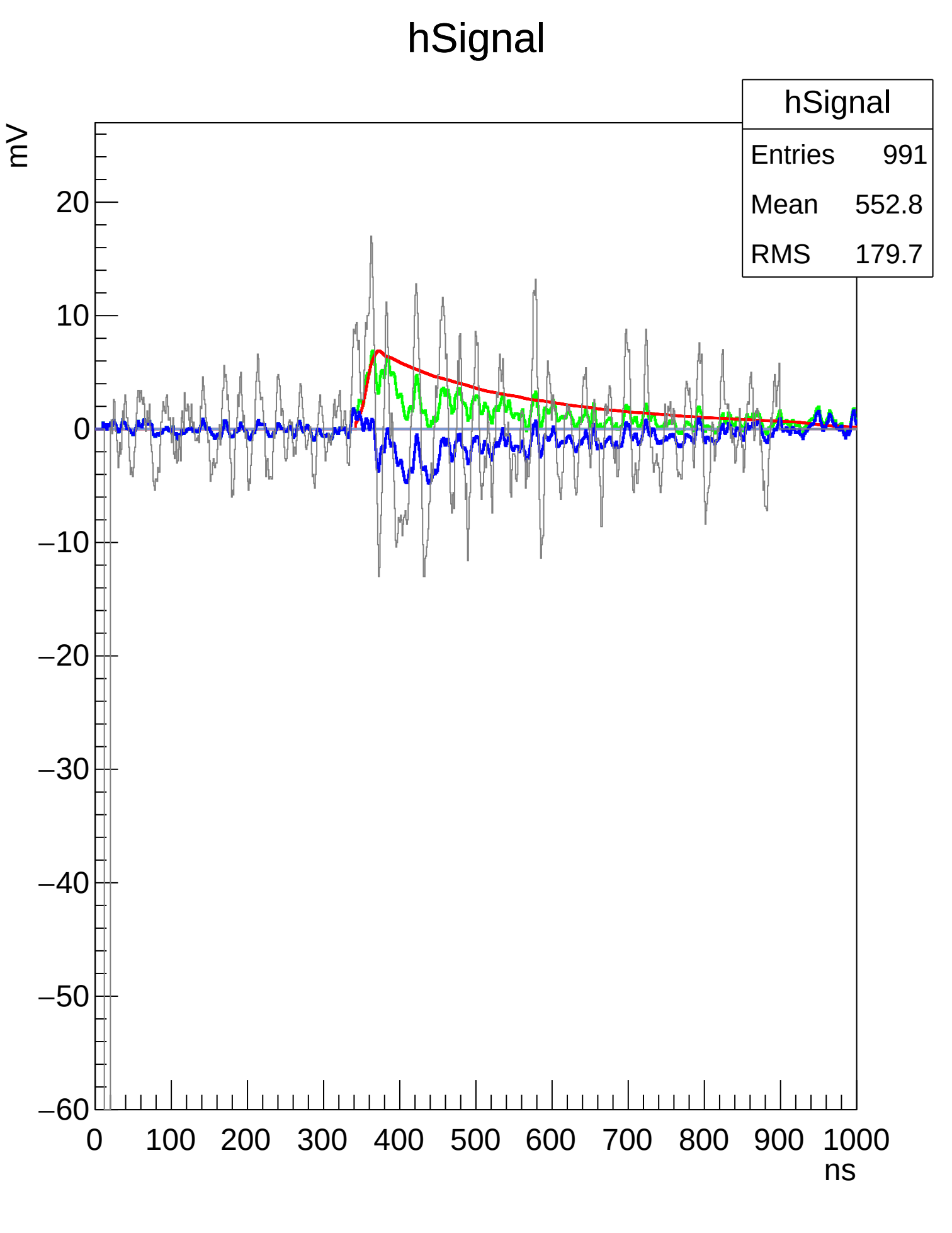
1000
ns


hSignal
hSignal
Entries 991
Mean 552.8
RMS 179.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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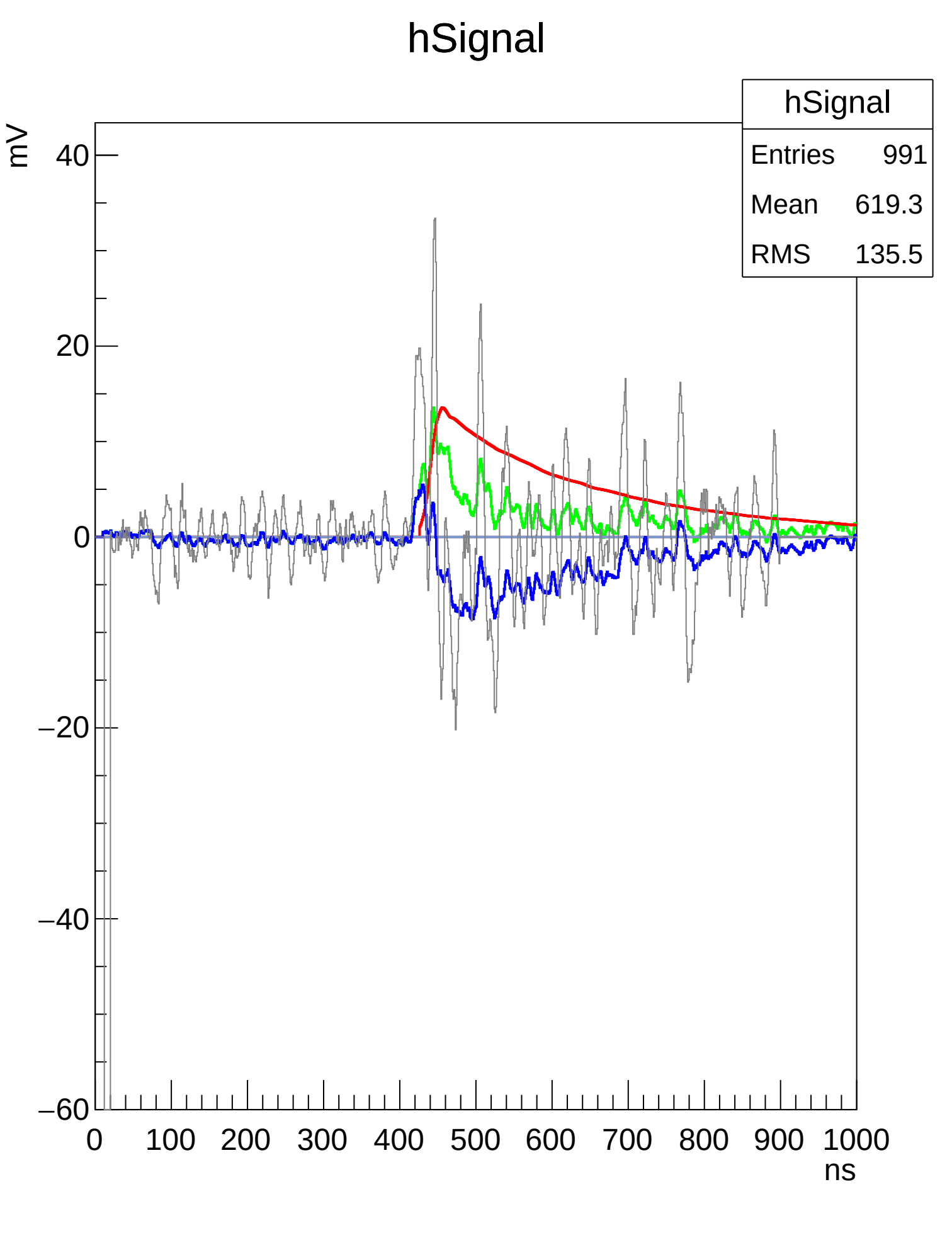
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.3
RMS 135.5
mV
40
20
0
−20
−40
−60
0
100
200
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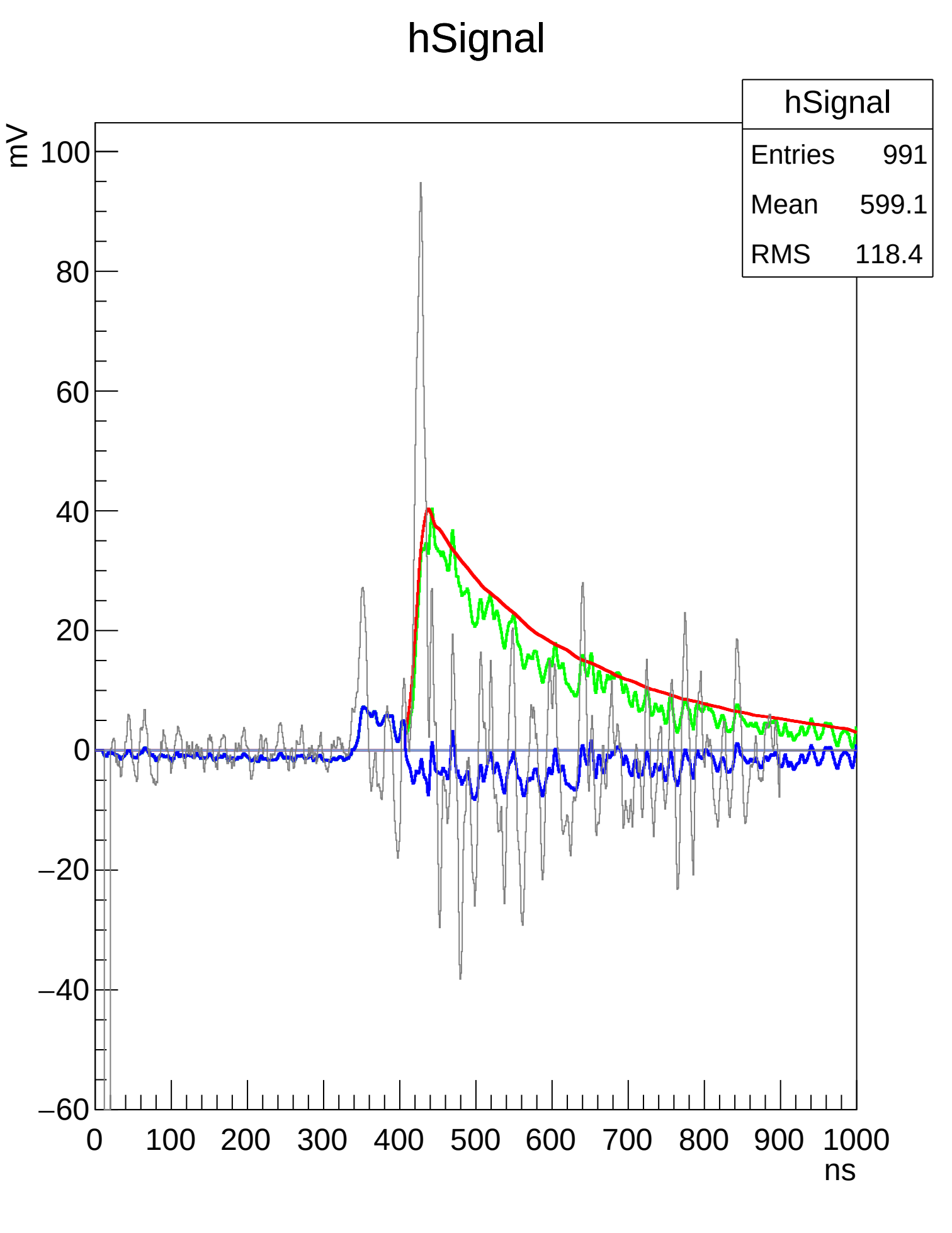
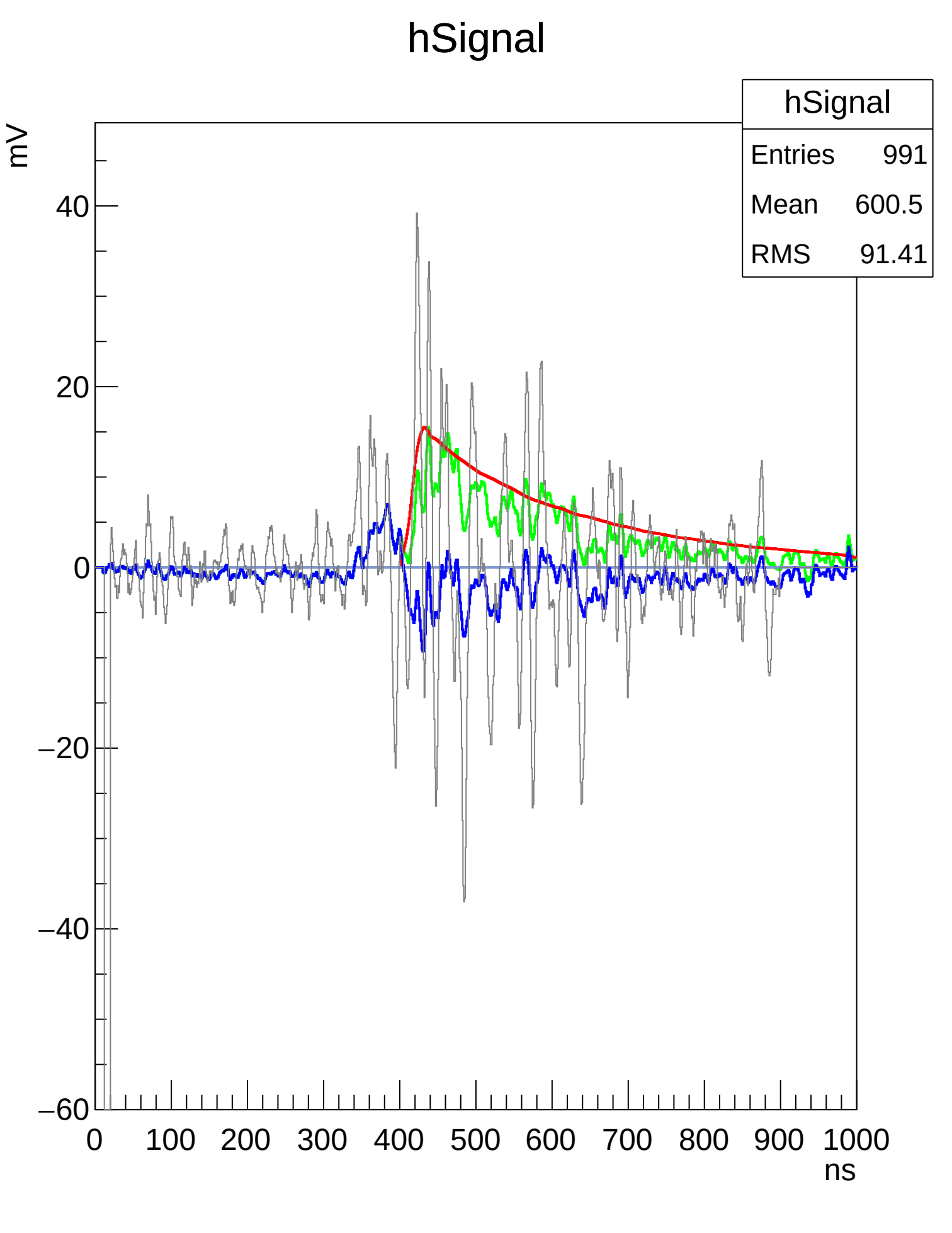
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 118.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.5
RMS 91.41
mV
40
20
0
−20
−40
−60
0
100
200
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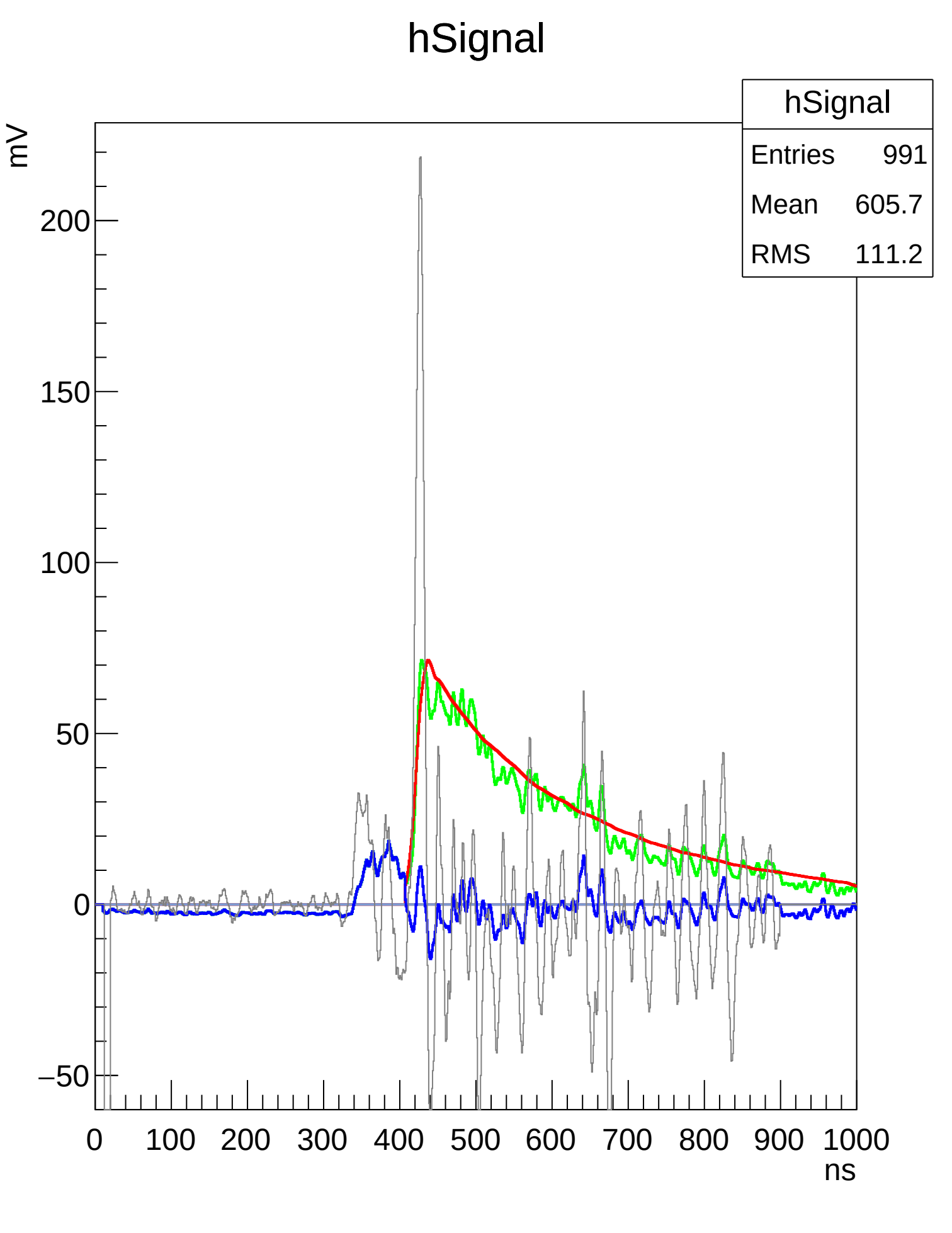
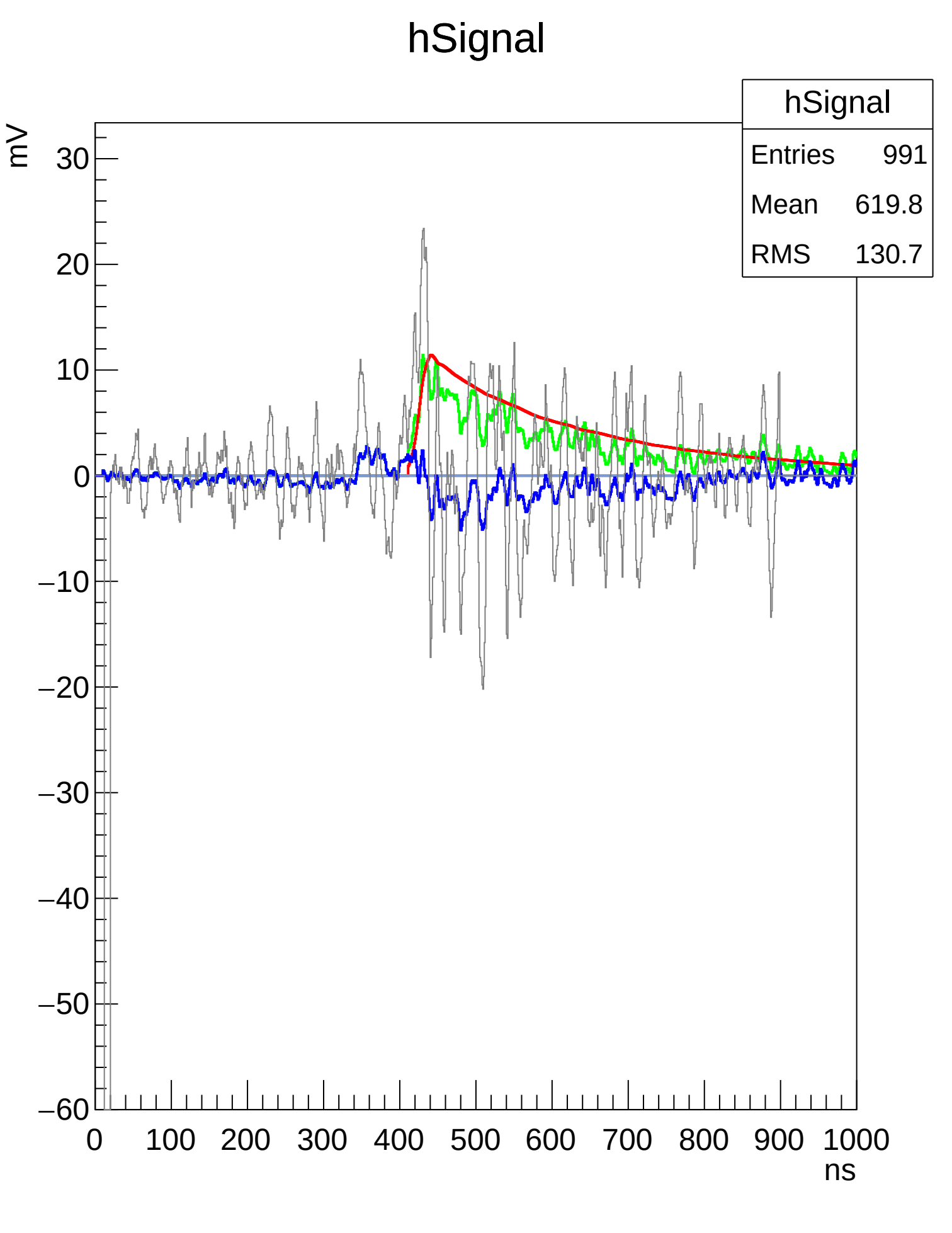
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.7
RMS 111.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.8
RMS 130.7
mV
30
20
10
0
−10
−20
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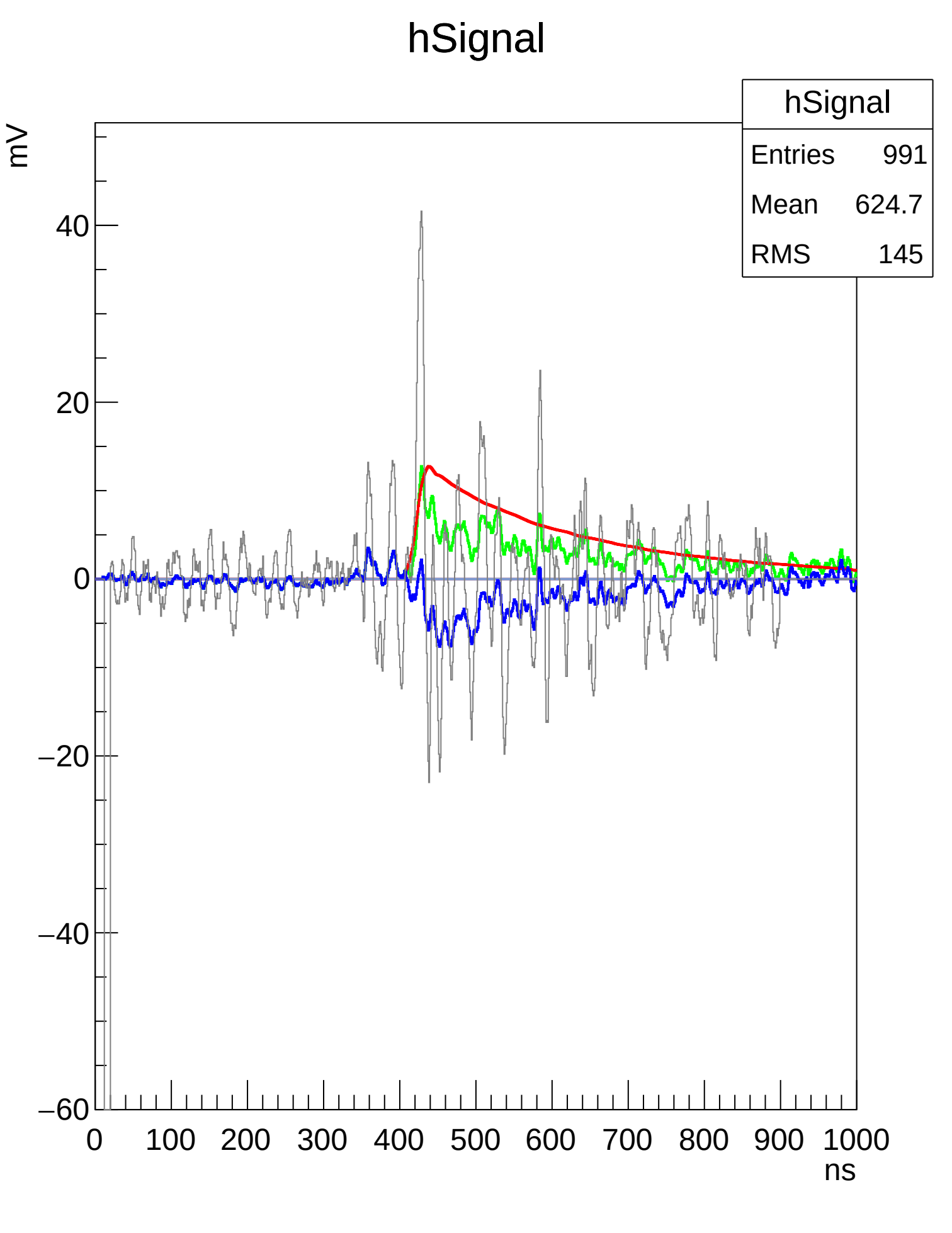
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 624.7
RMS 145
mV
40
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0
−20
−40
−60
0
100
200
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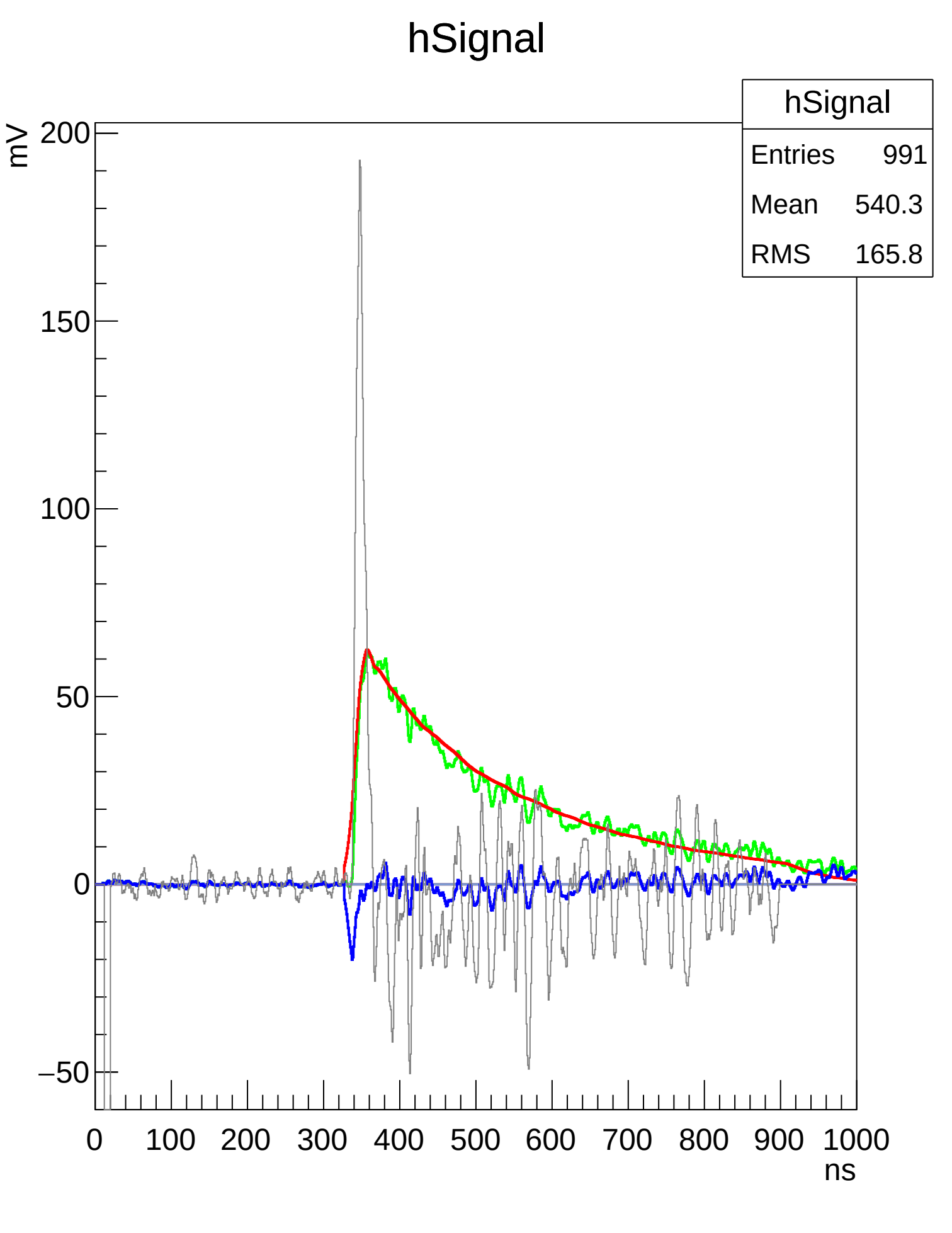
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.3
RMS 165.8
mV
200
150
100
50
0
−50
0
100
200
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400
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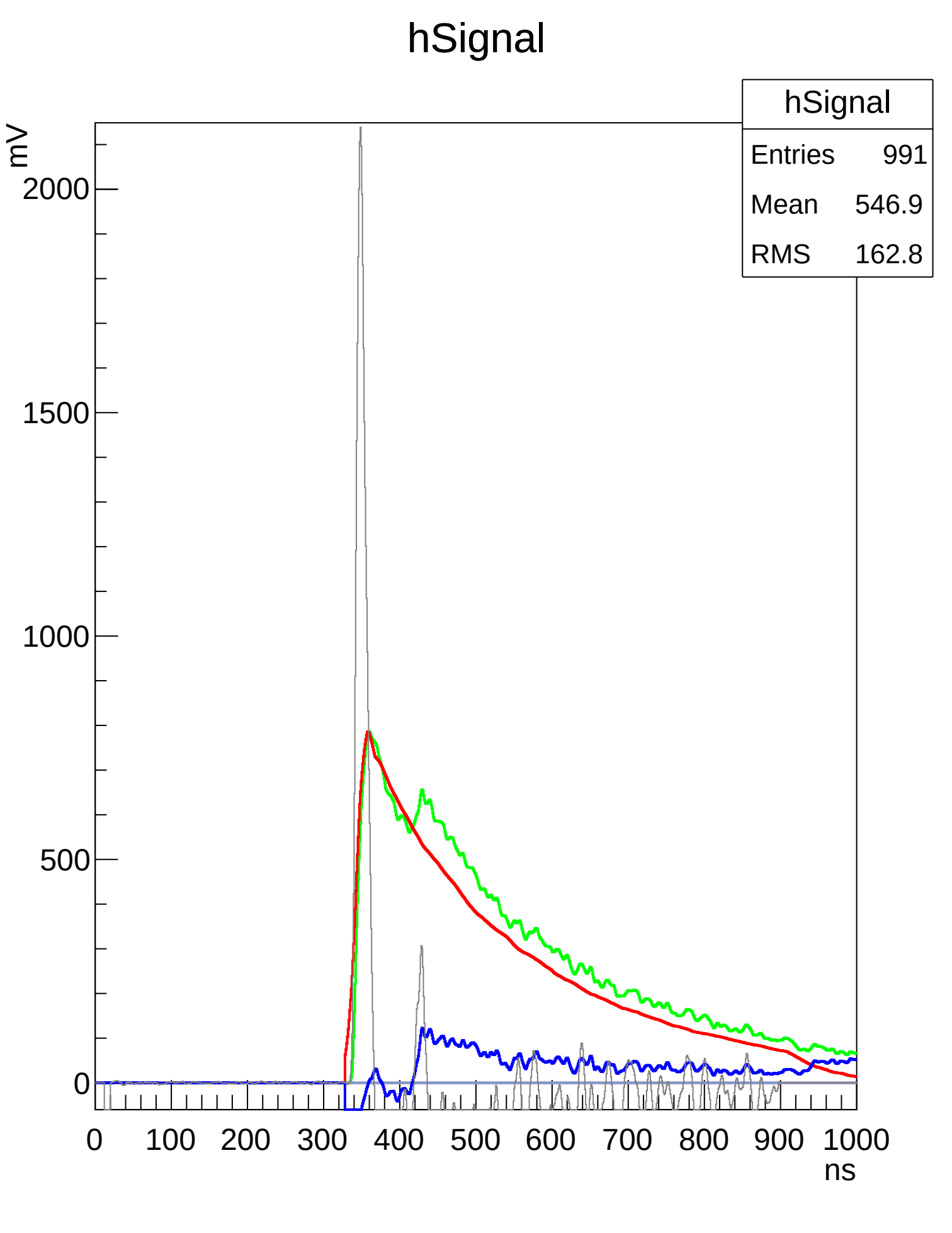
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 162.8
mV
2000
1500
1000
500
0
0
100
200
300
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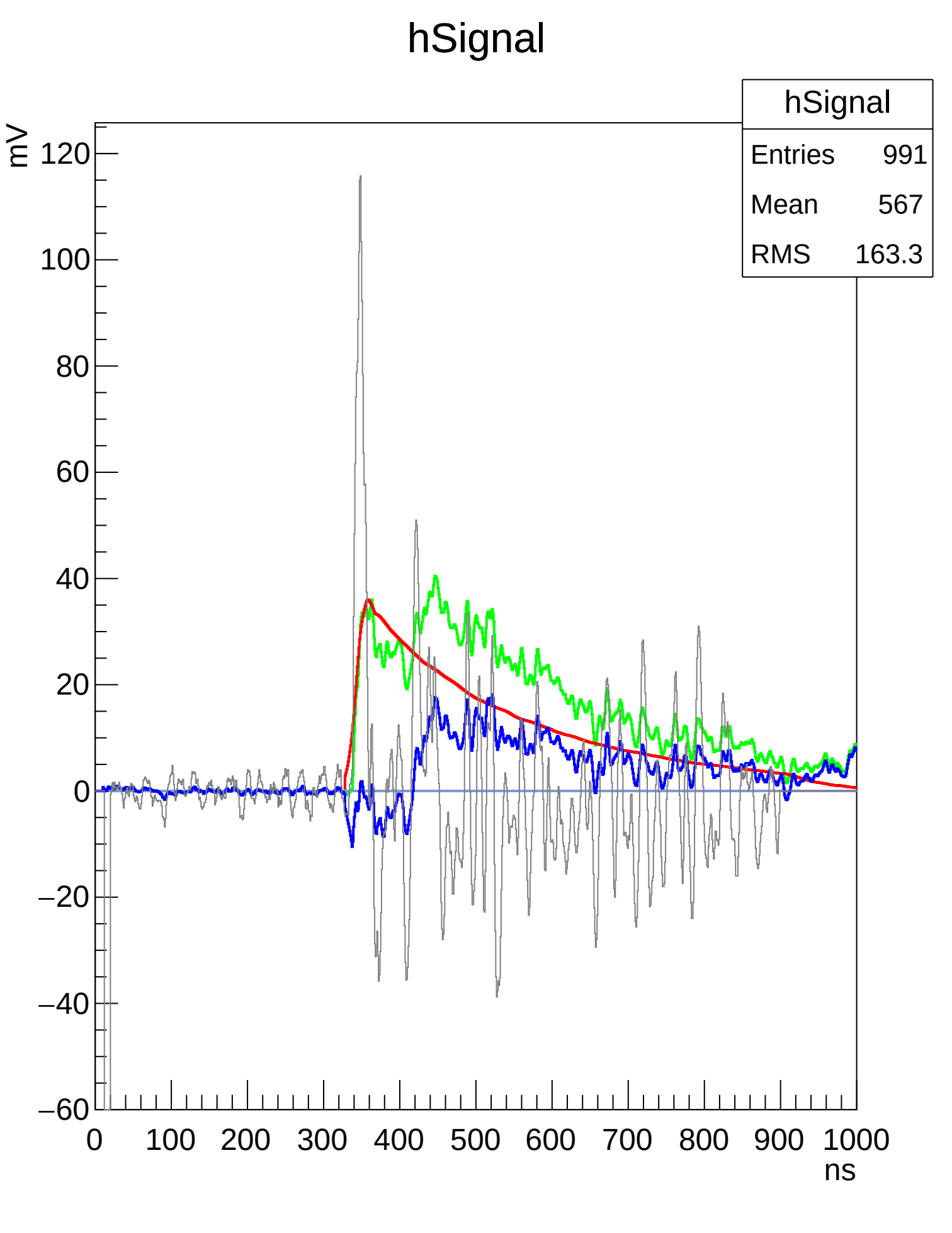
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567
RMS 163.3
mV
120
100
80
60
40
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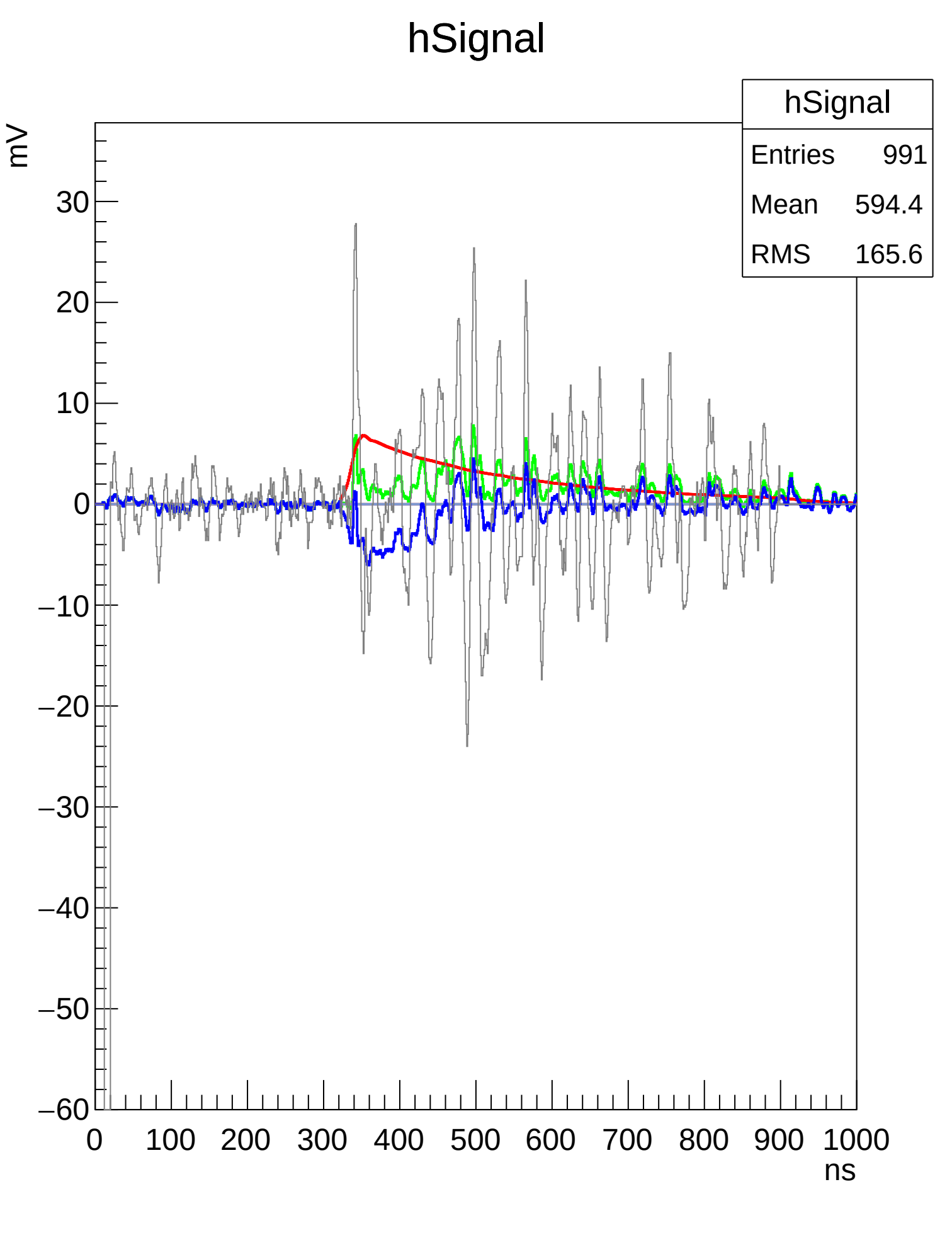
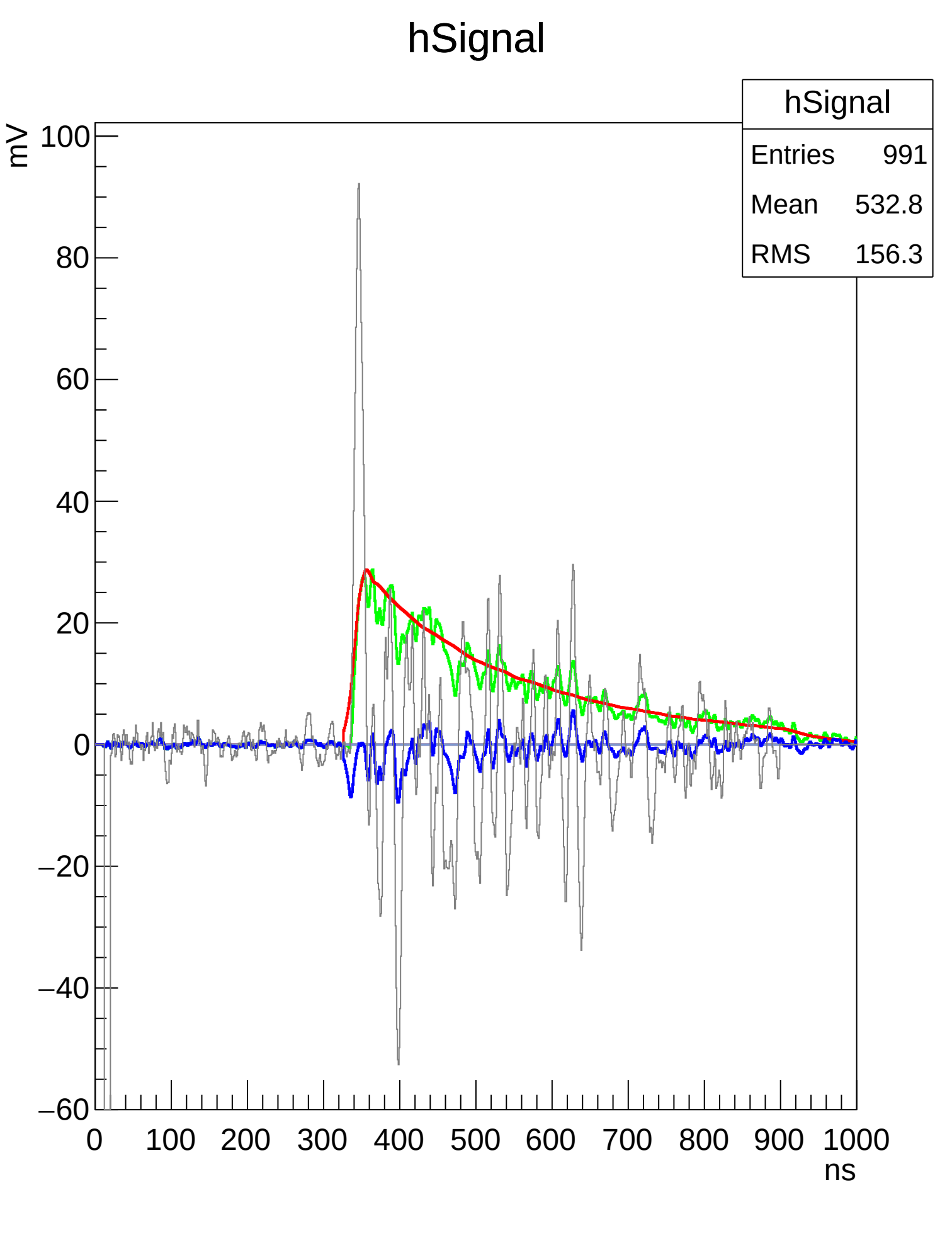
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.4
RMS 165.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.8
RMS 156.3
mV
100
80
60
40
20
0
−20
−40
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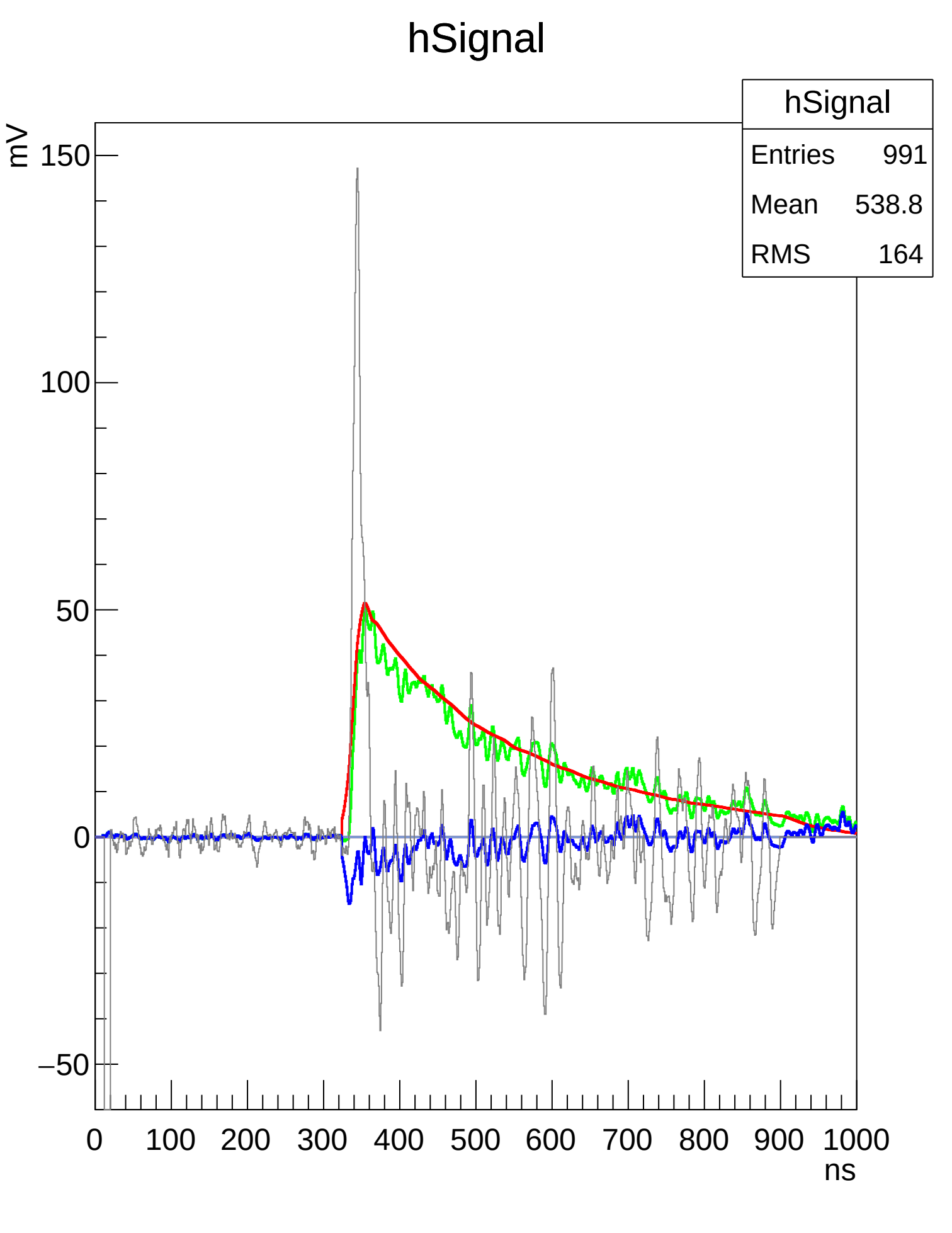
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.8
RMS 164
mV
150
100
50
0
−50
0
100
200
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400
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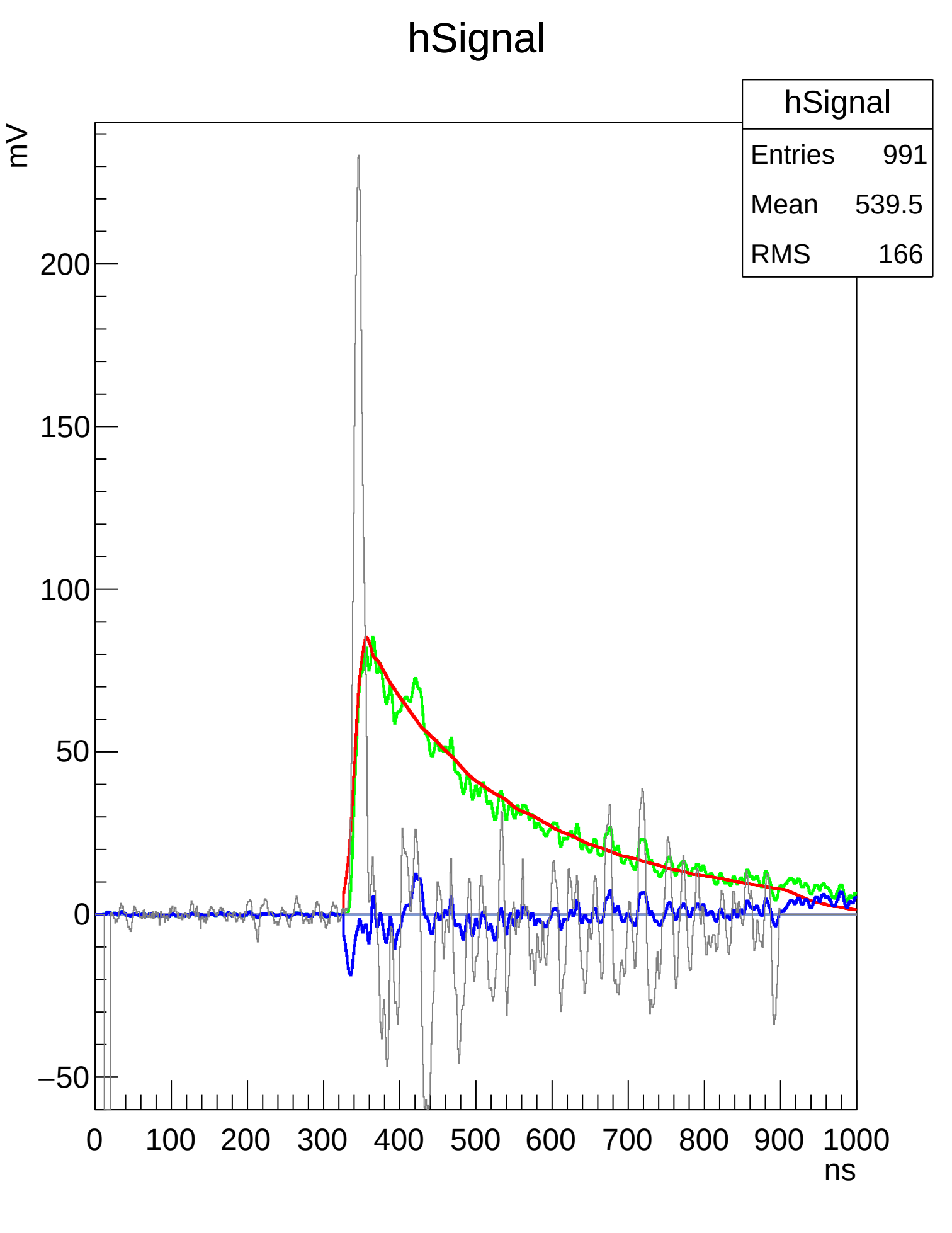
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.5
RMS 166
mV
200
150
100
50
0
−50
0
100
200
300
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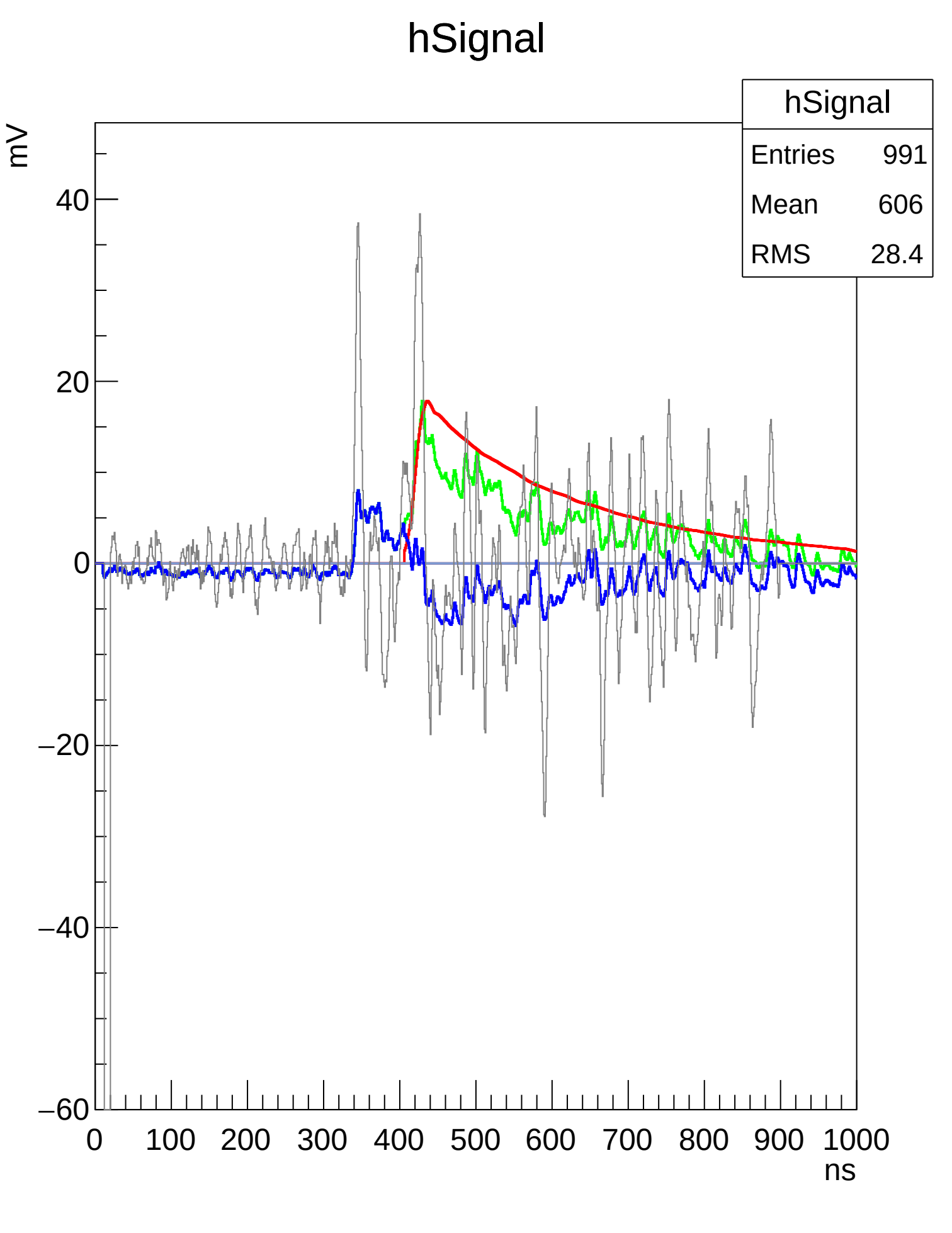
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606
RMS 28.4
mV
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−20
−40
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0
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200
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400
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800
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1000
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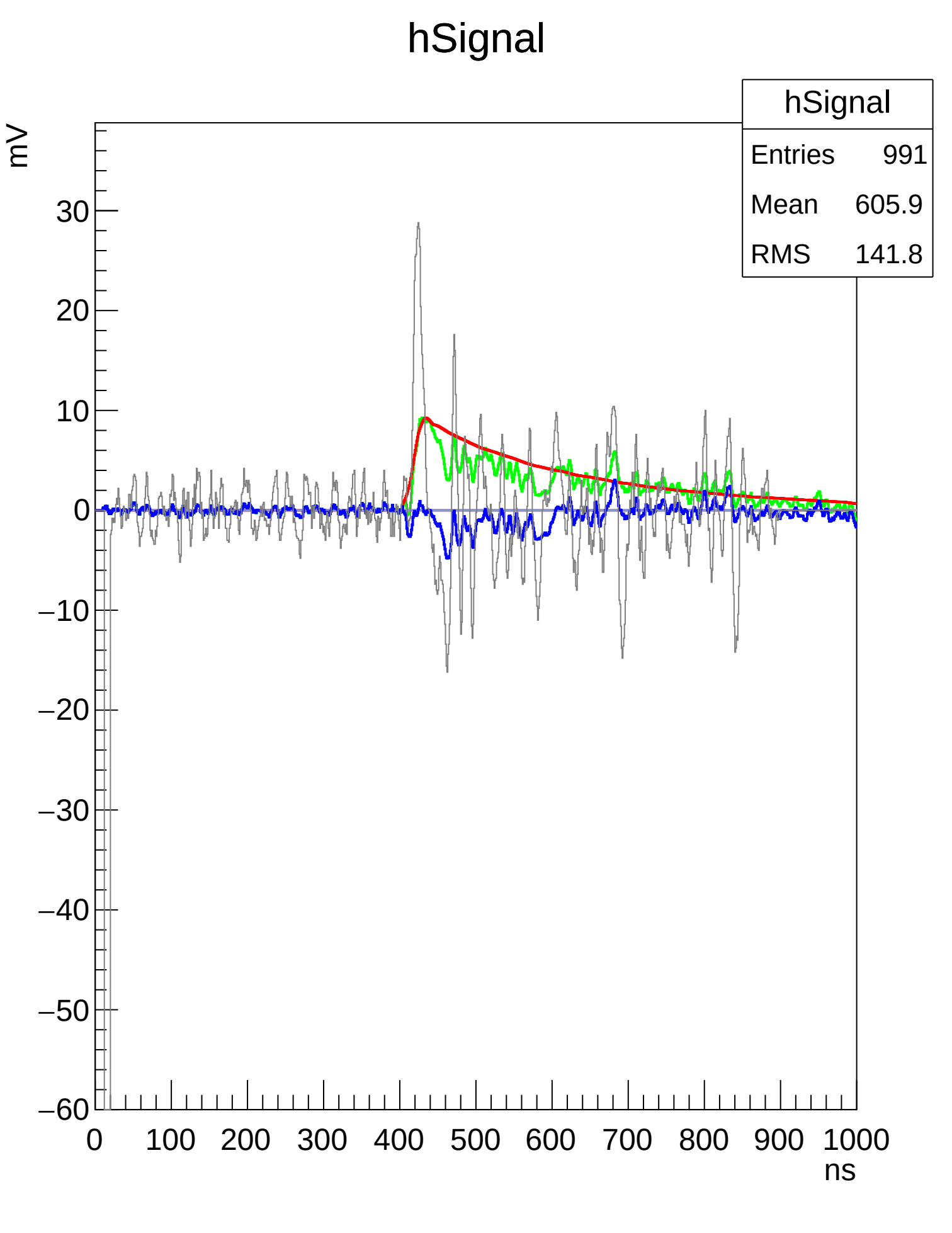
hSignal
hSignal
Entries 991
Mean 605.9
RMS 141.8
mV
30
20
10
0
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−40
−50
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0
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200
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400
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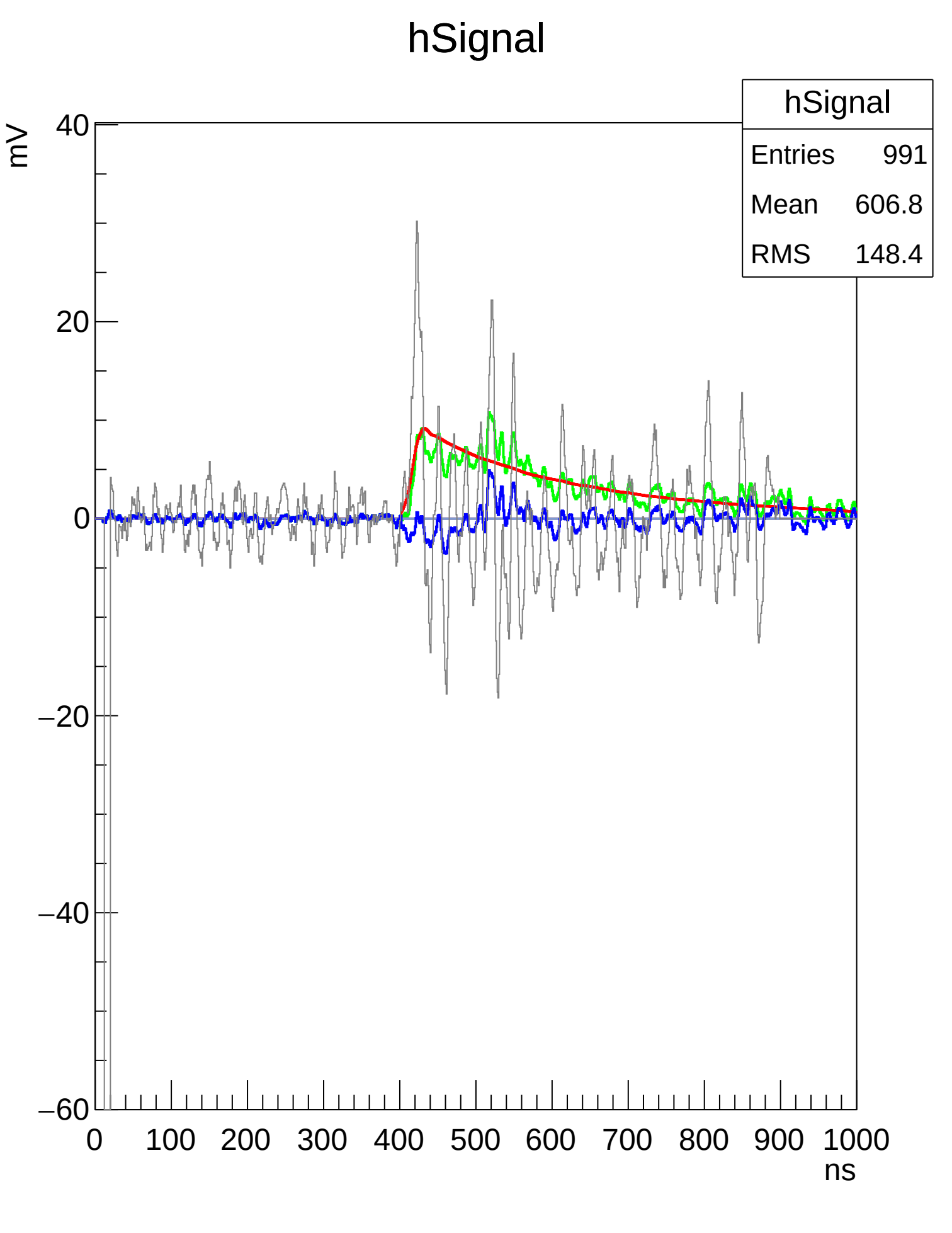
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.8
RMS 148.4
mV
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0
100
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400
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800
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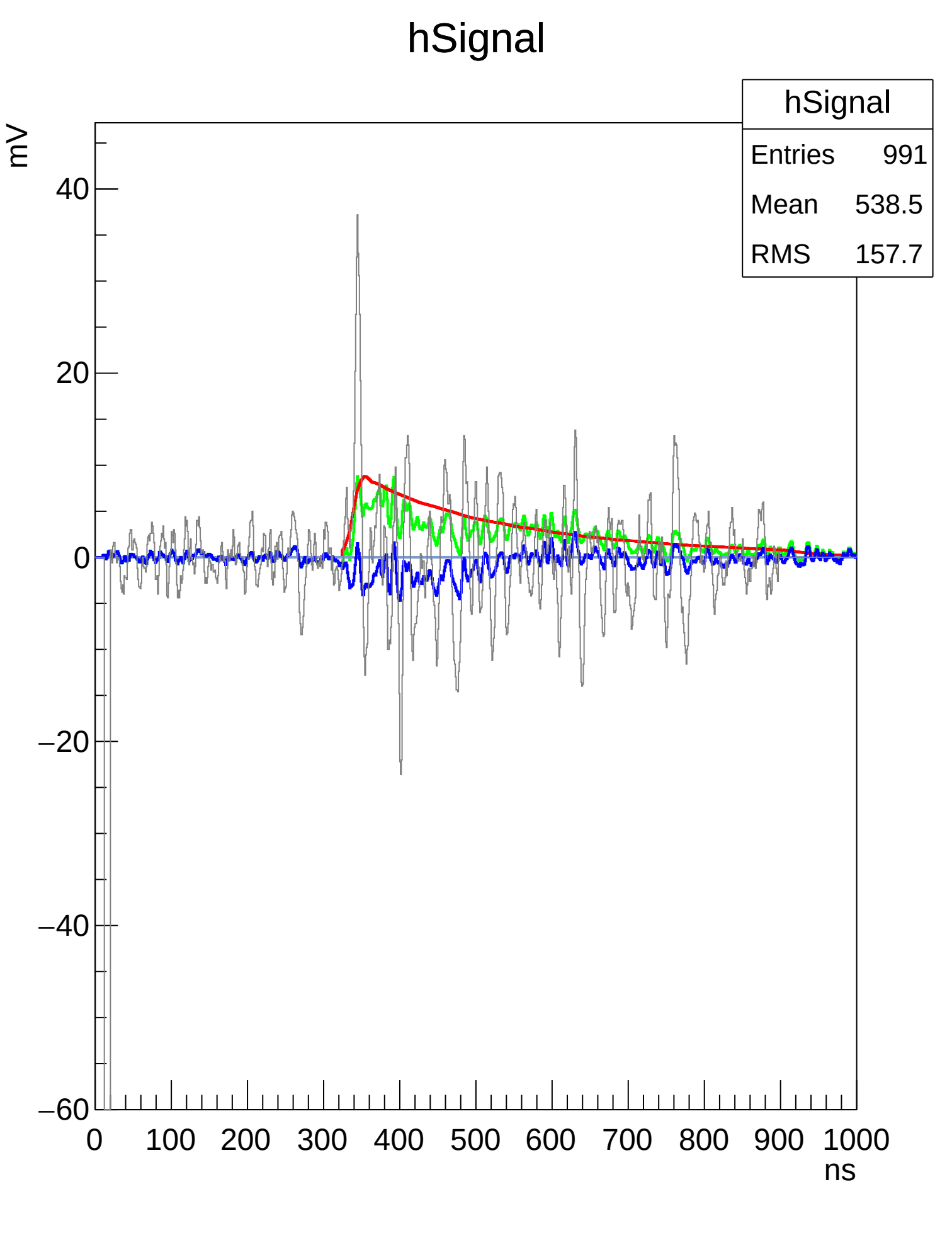
hSignal
hSignal
Entries 991
Mean 538.5
RMS 157.7
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−20
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0
100
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800
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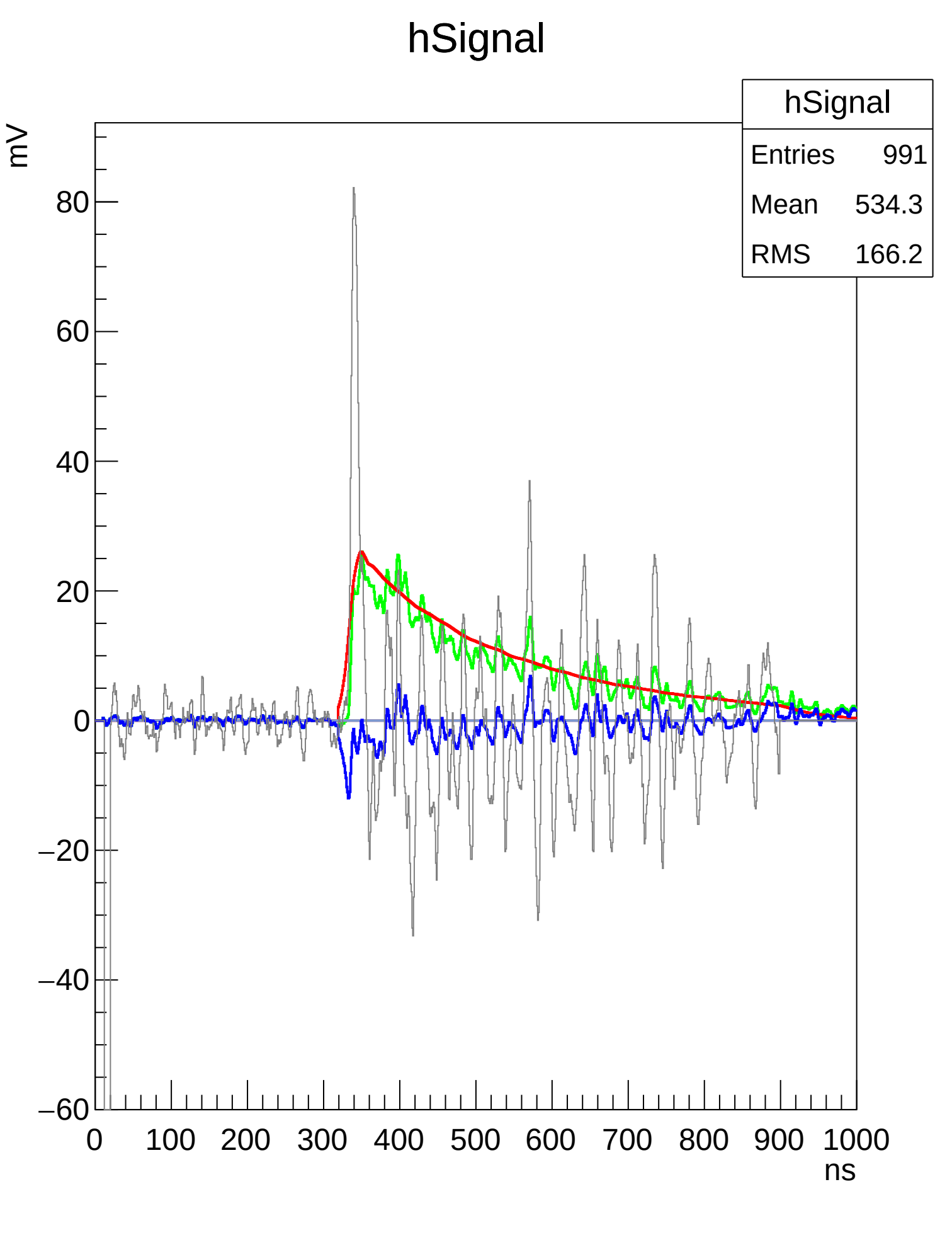
1000
ns


hSignal
hSignal
Entries 991
Mean 534.3
RMS 166.2
mV
80
60
40
20
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−20
−40
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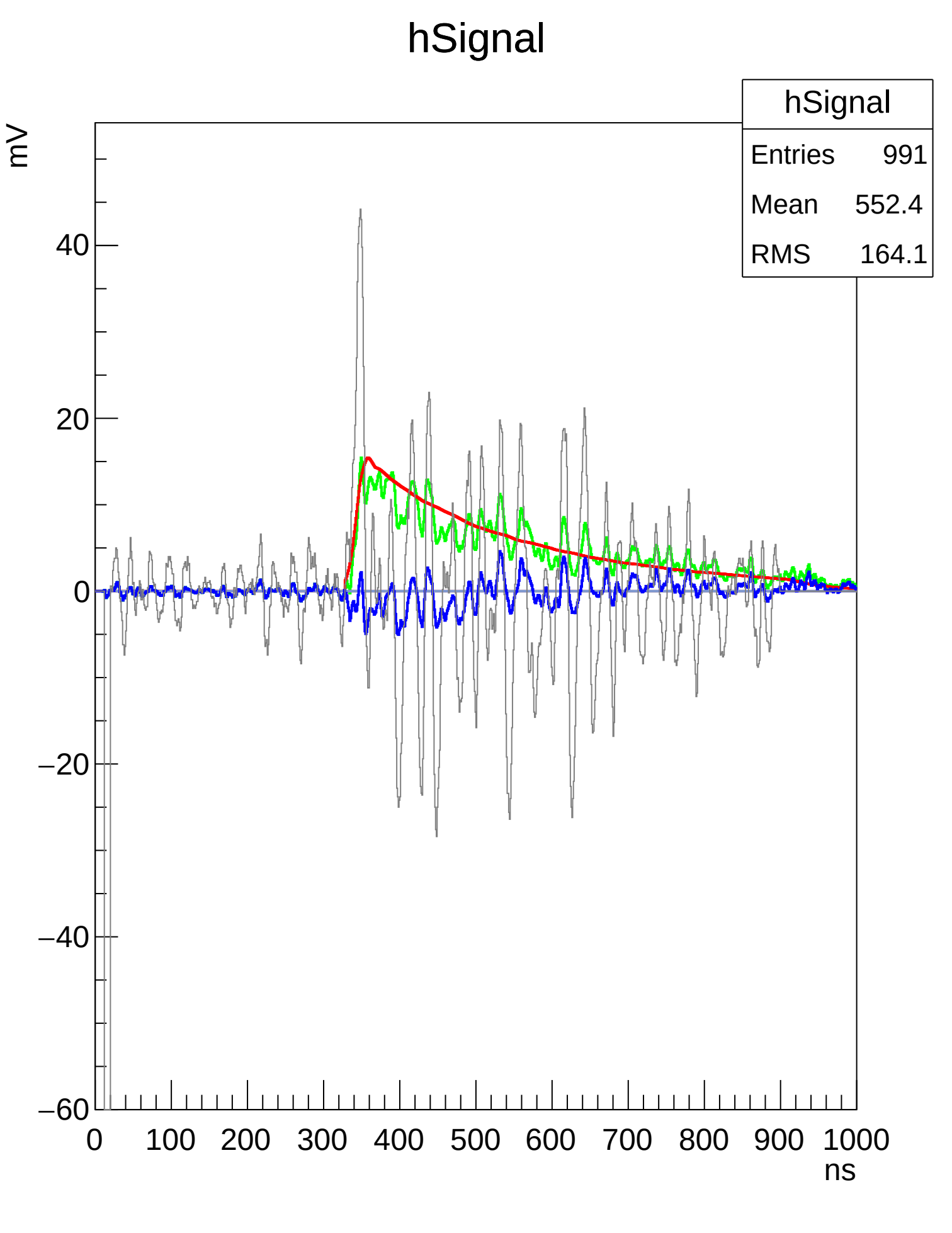
1000
ns


hSignal
hSignal
Entries 991
Mean 552.4
RMS 164.1
mV
40
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−20
−40
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0
100
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600
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800
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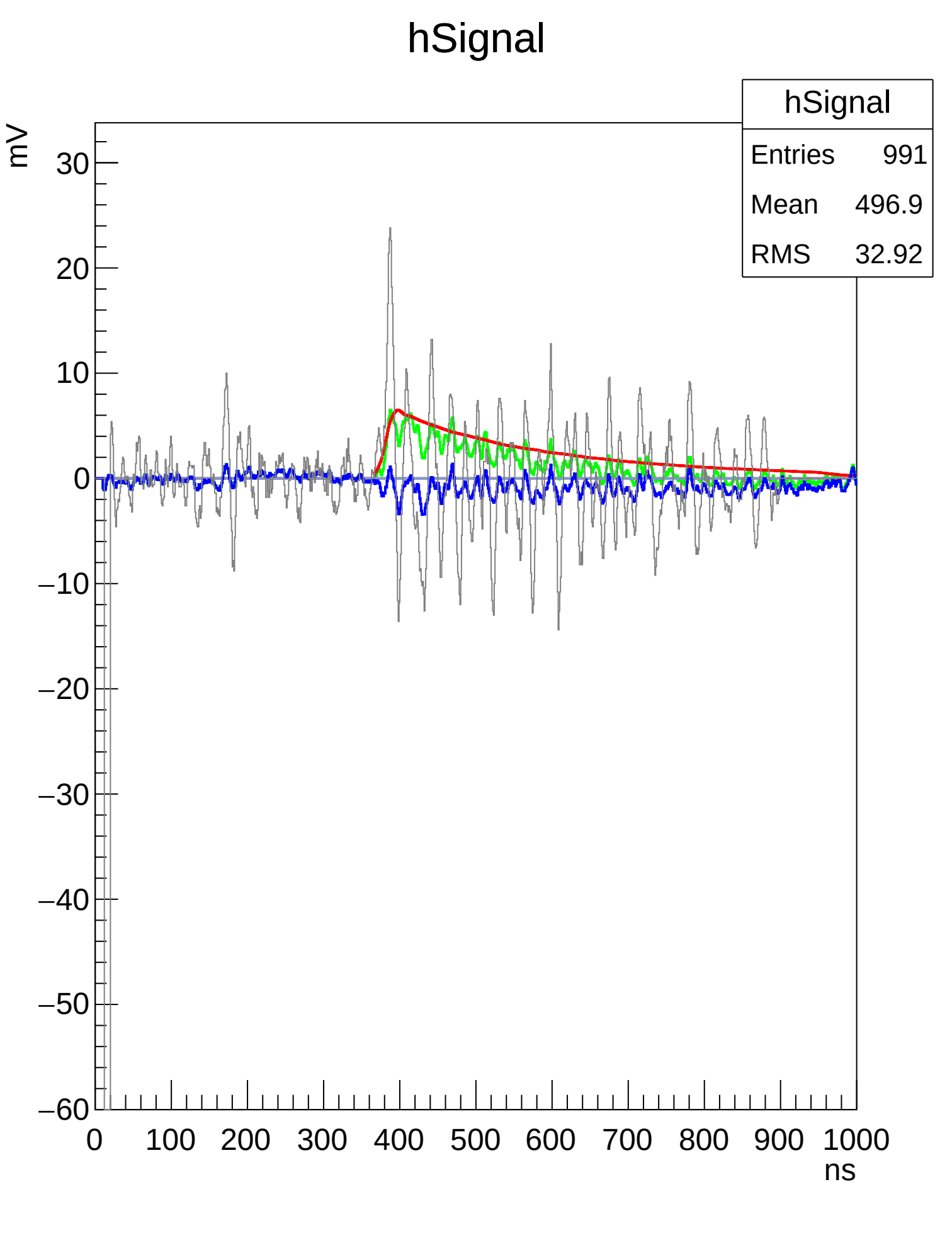
1000
ns


hSignal
hSignal
Entries 991
Mean 496.9
RMS 32.92
mV
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20
10
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−50
−60
0
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200
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400
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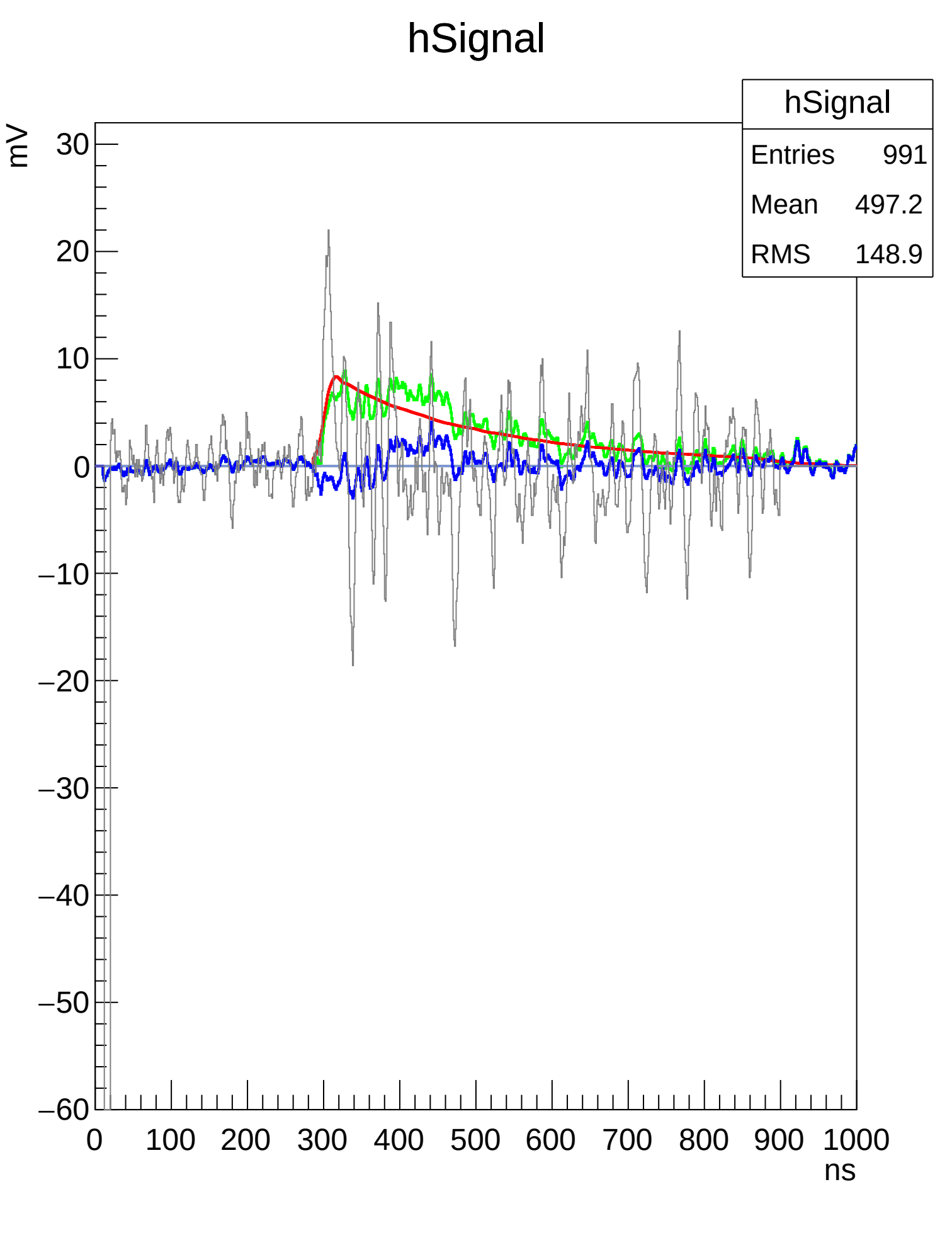
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.2
RMS 148.9
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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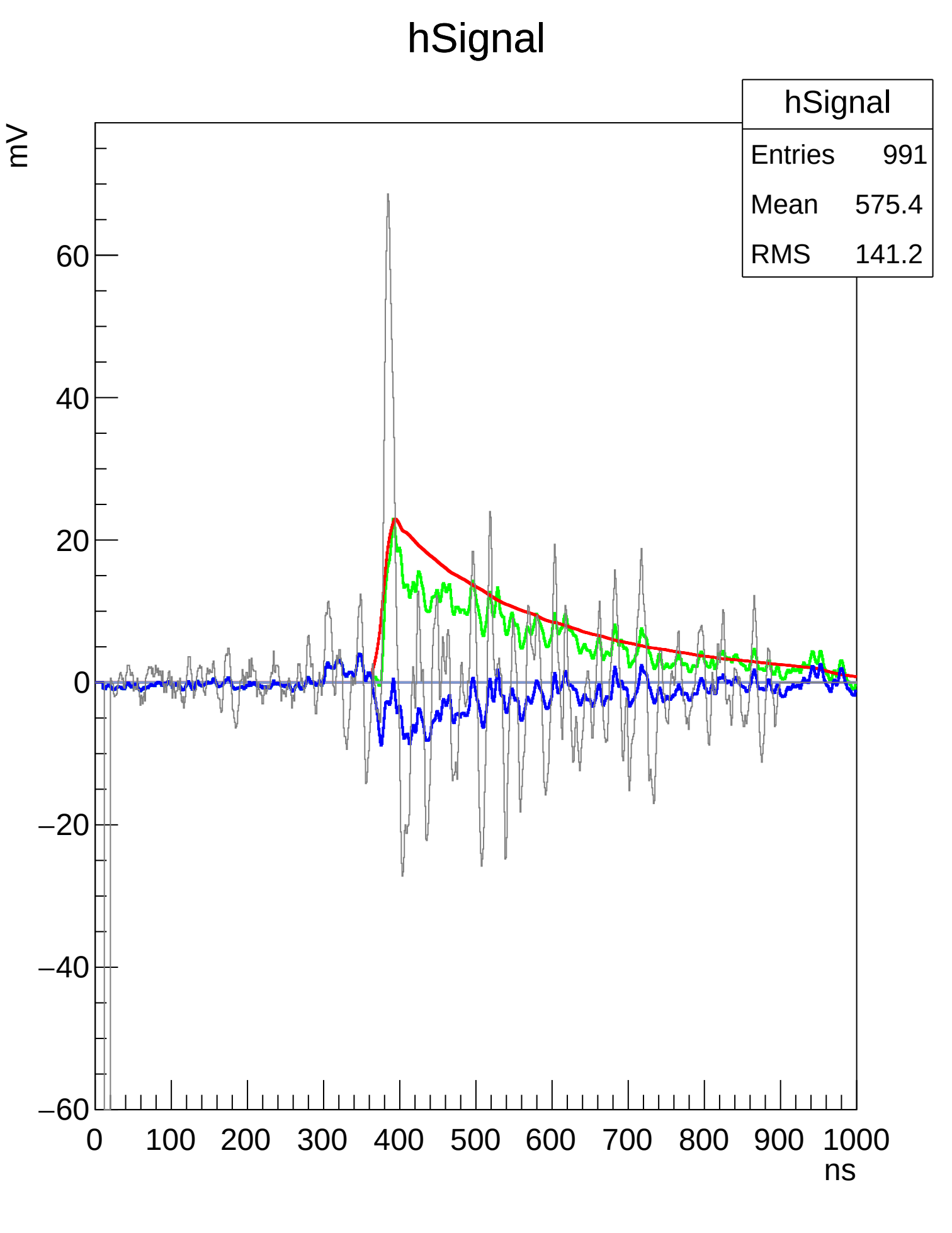
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.4
RMS 141.2
mV
60
40
20
0
−20
−40
−60
0
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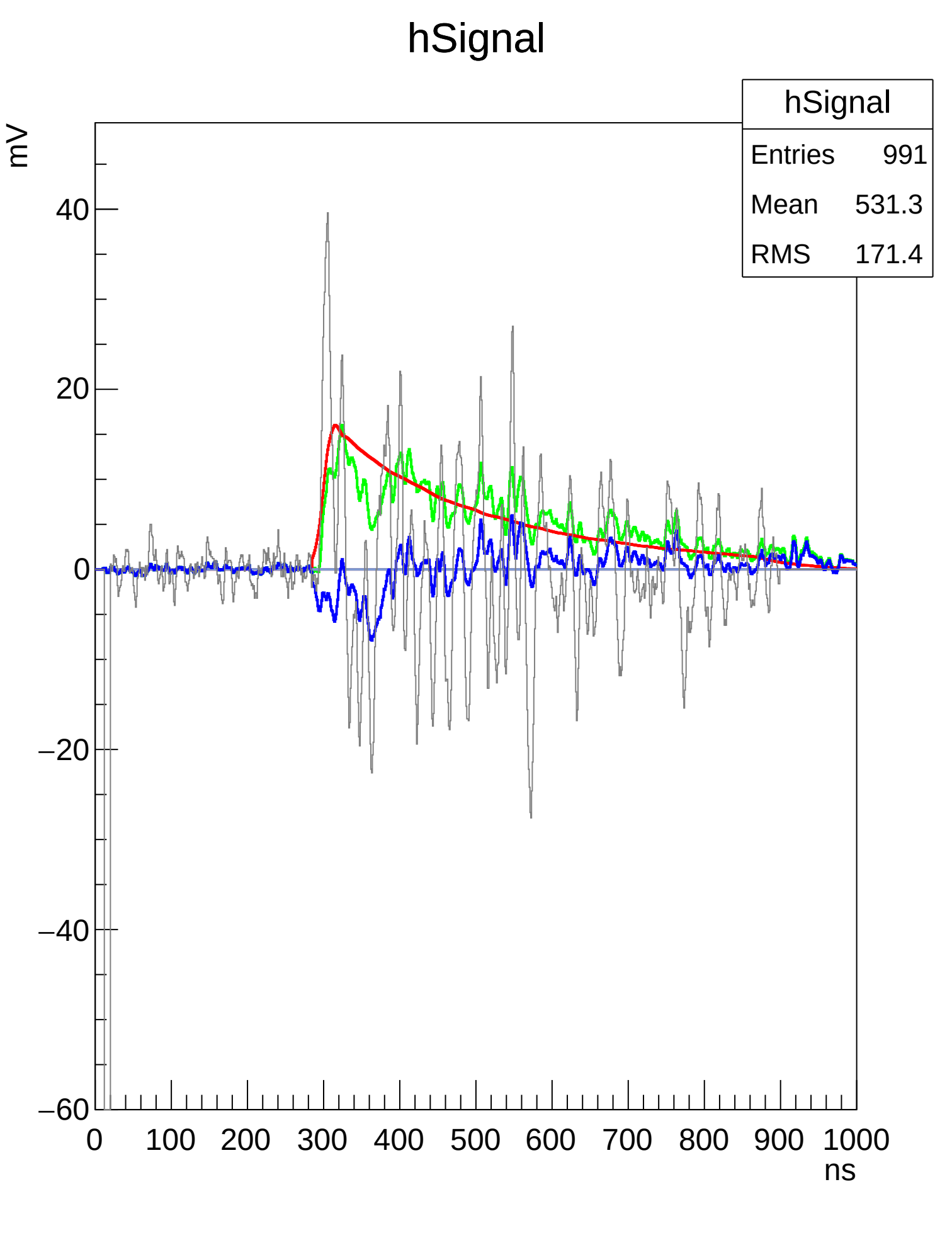
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.3
RMS 171.4
mV
40
20
0
−20
−40
−60
0
100
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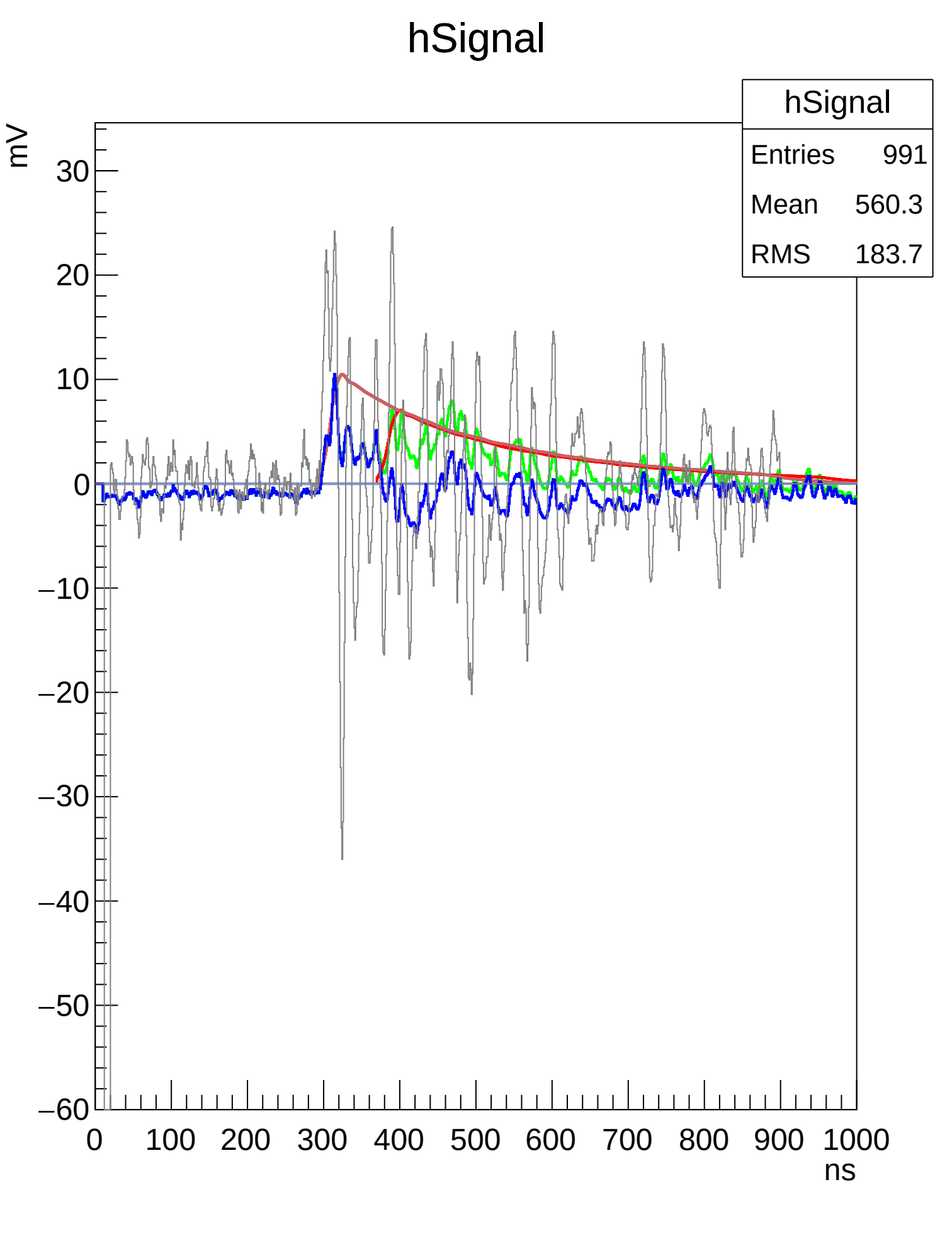
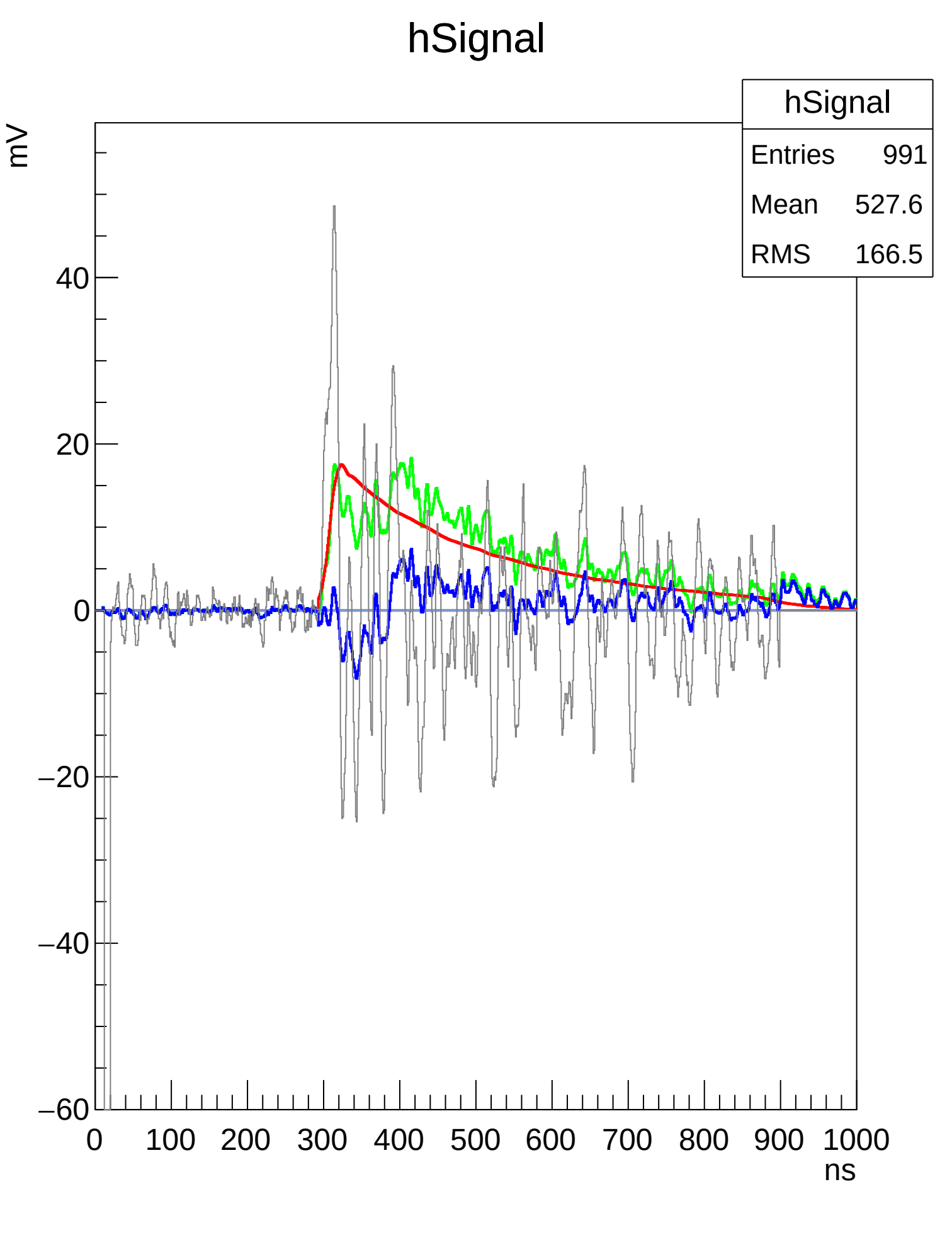
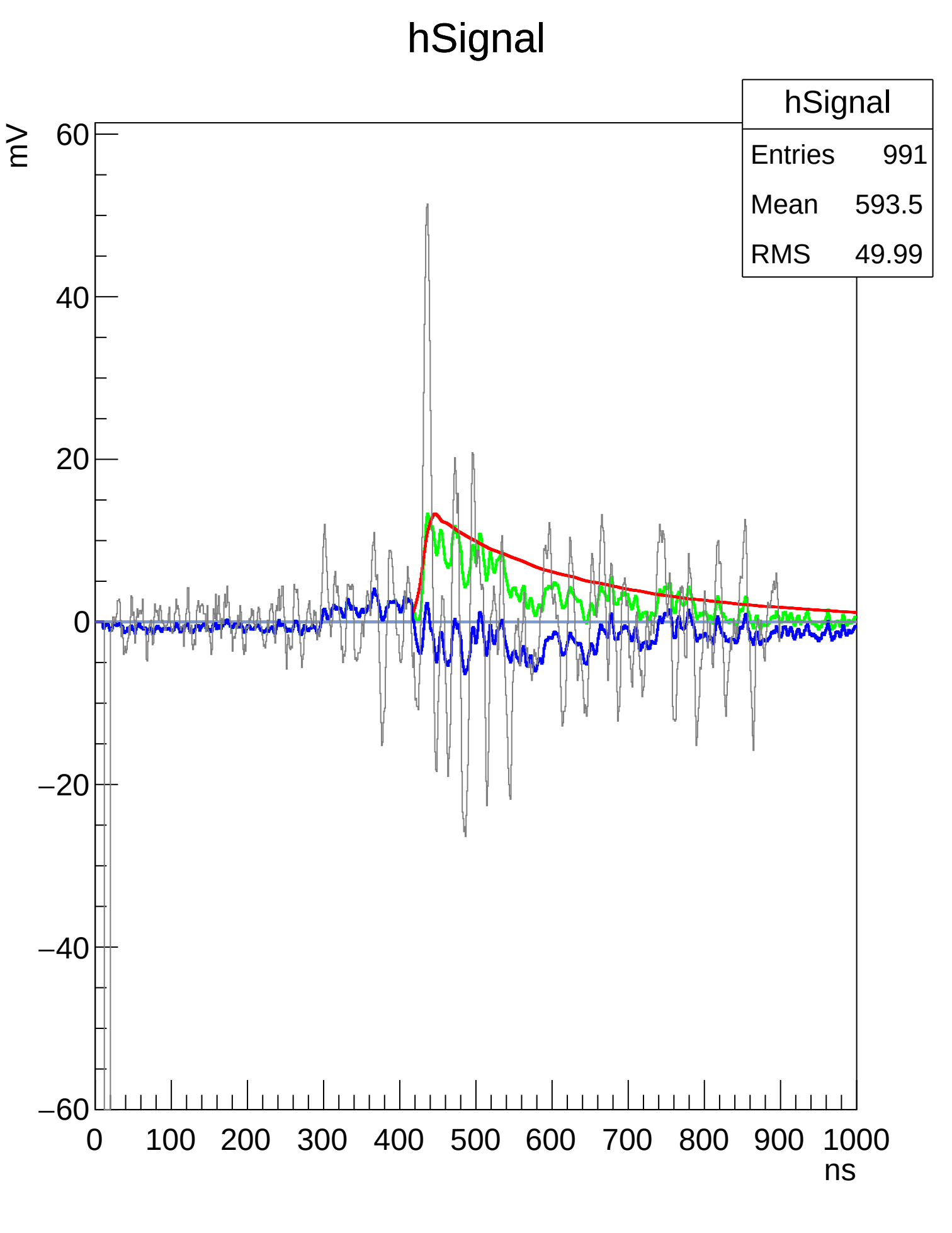
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.3
RMS 183.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.6
RMS 166.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.5
RMS 49.99
mV
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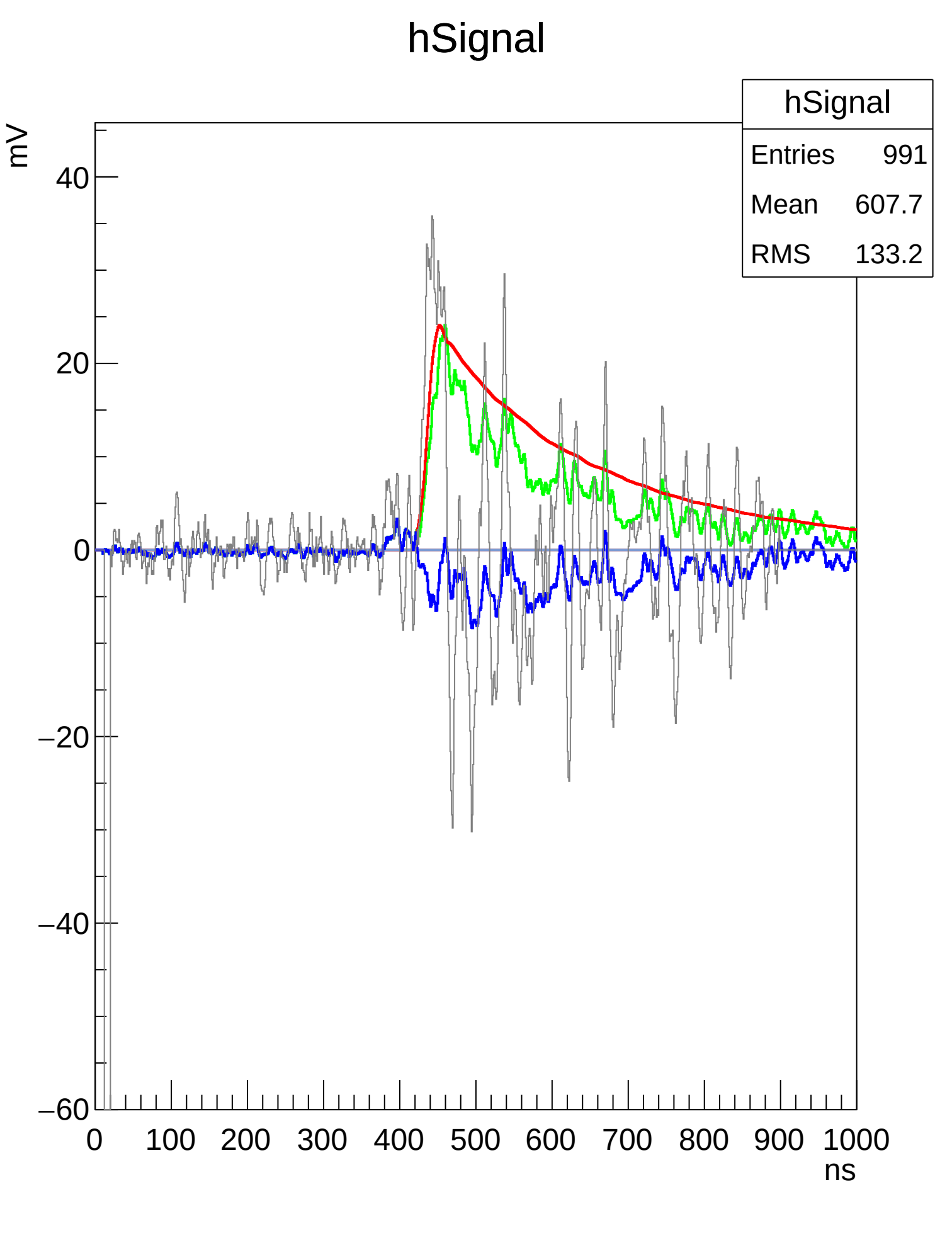
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.7
RMS 133.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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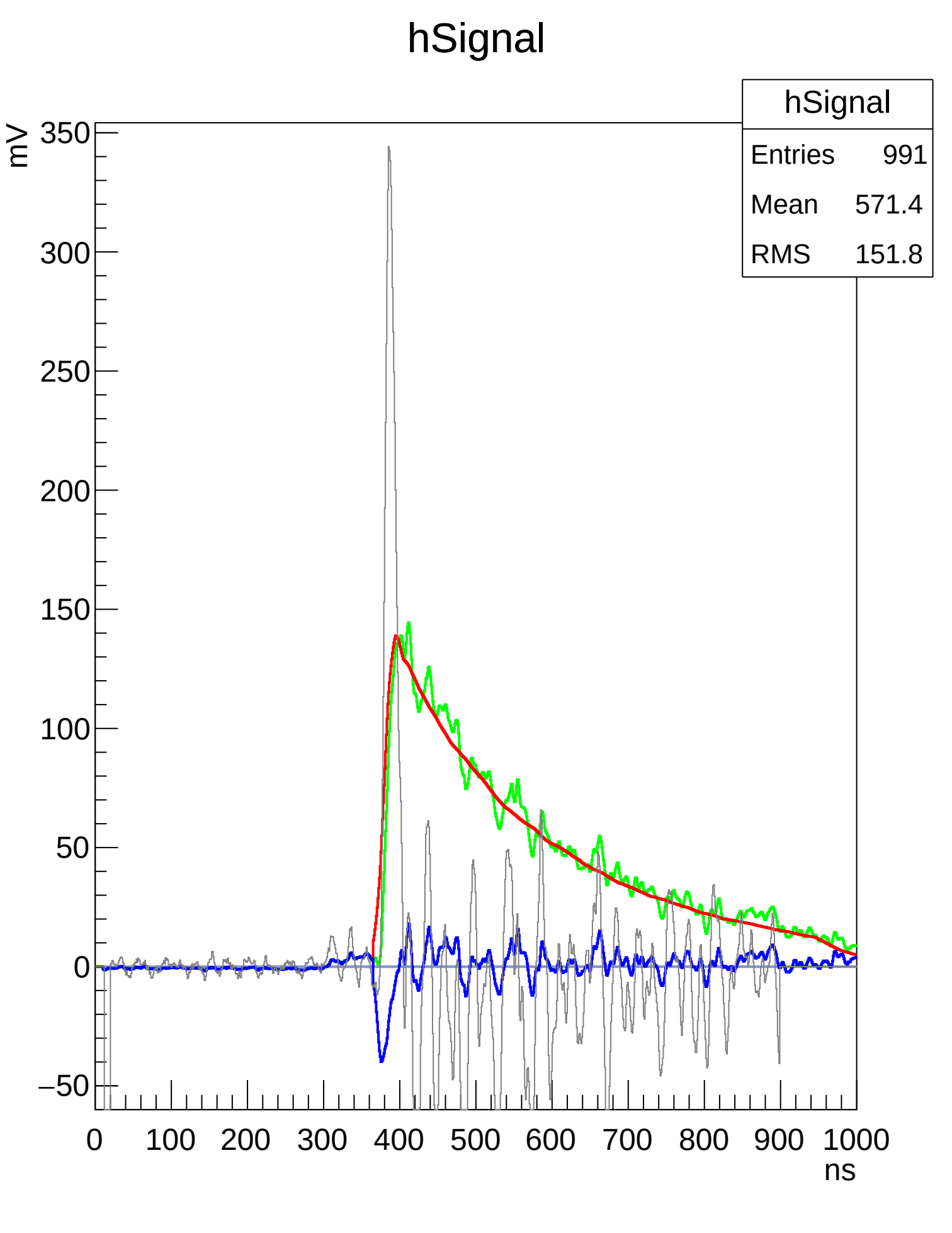
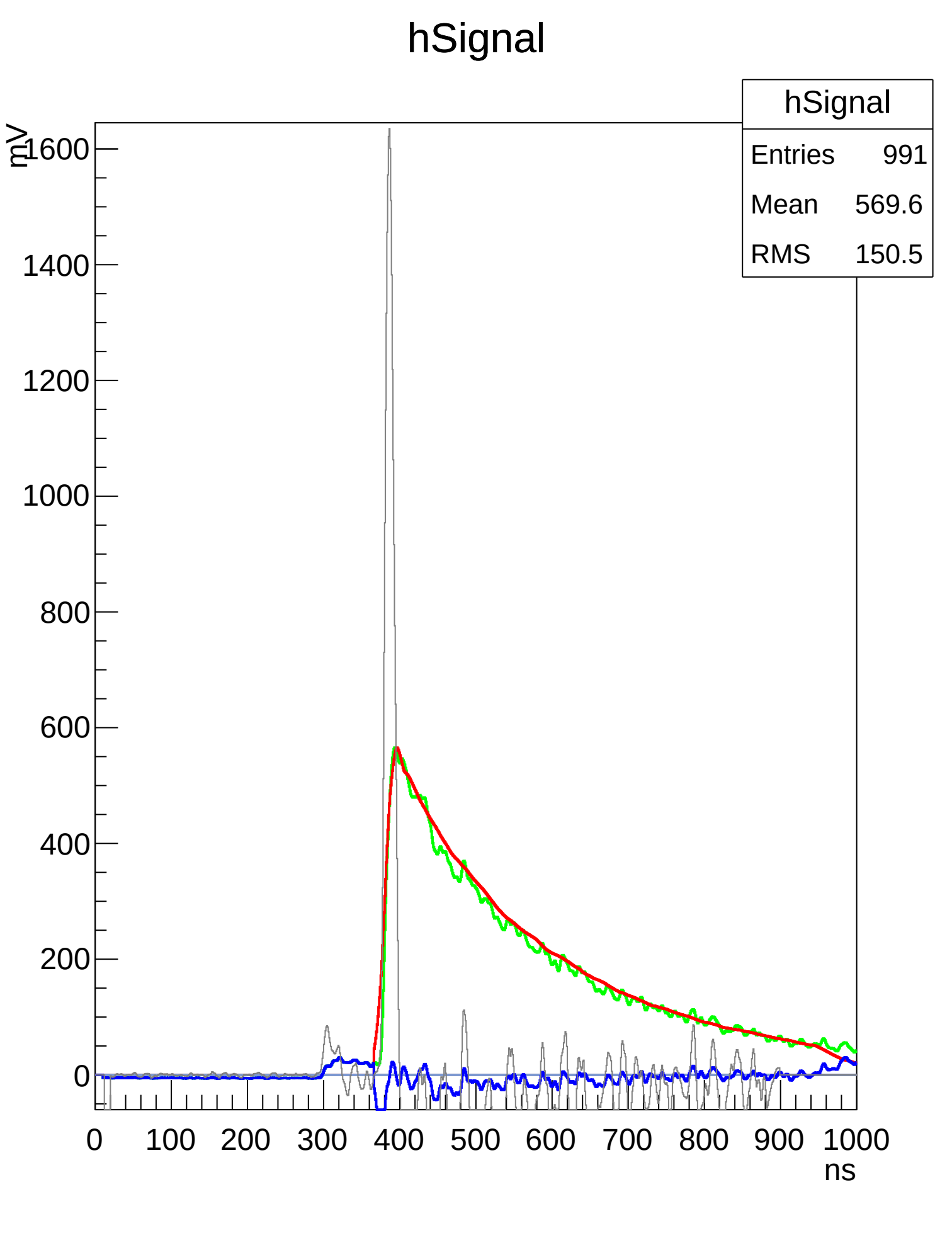
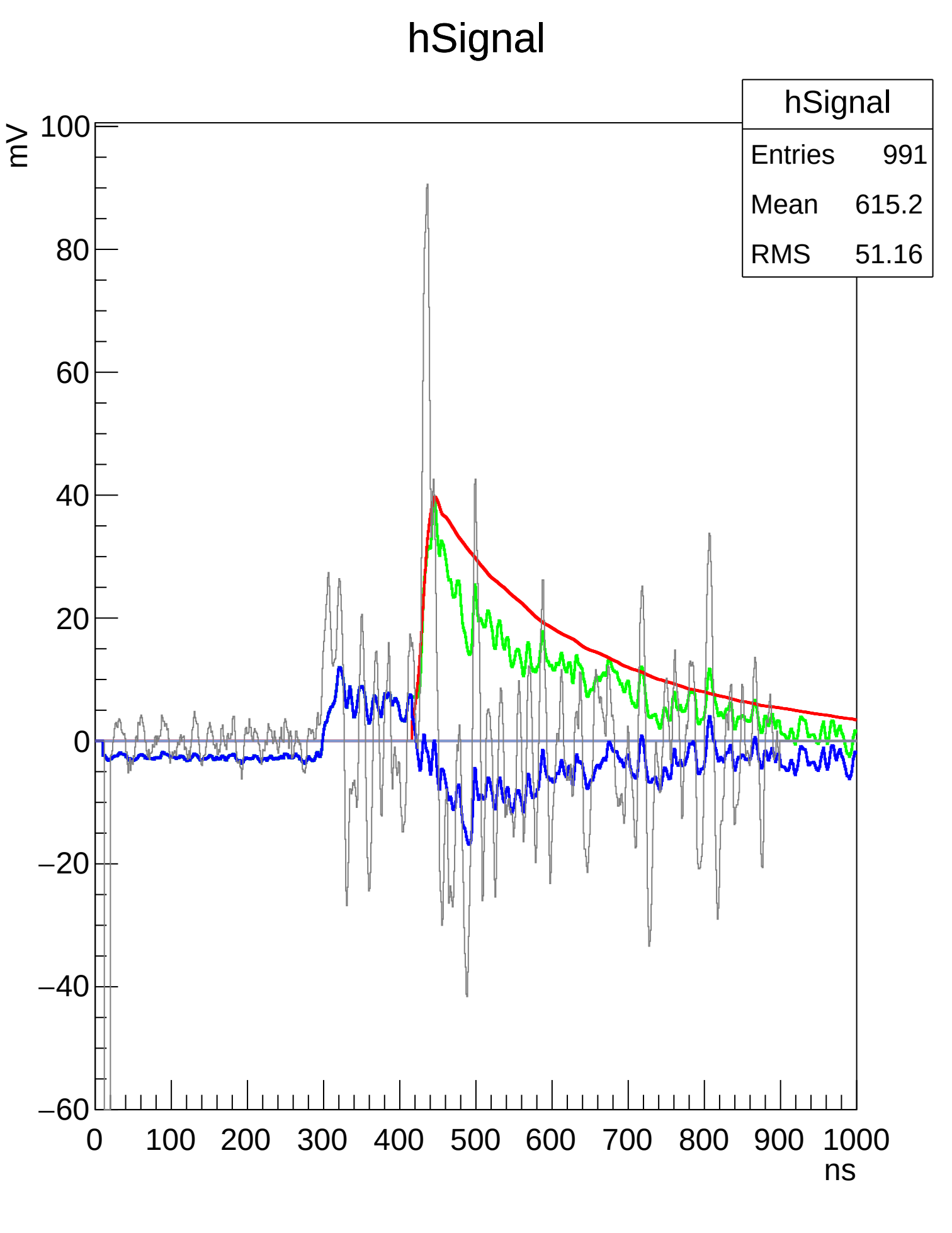
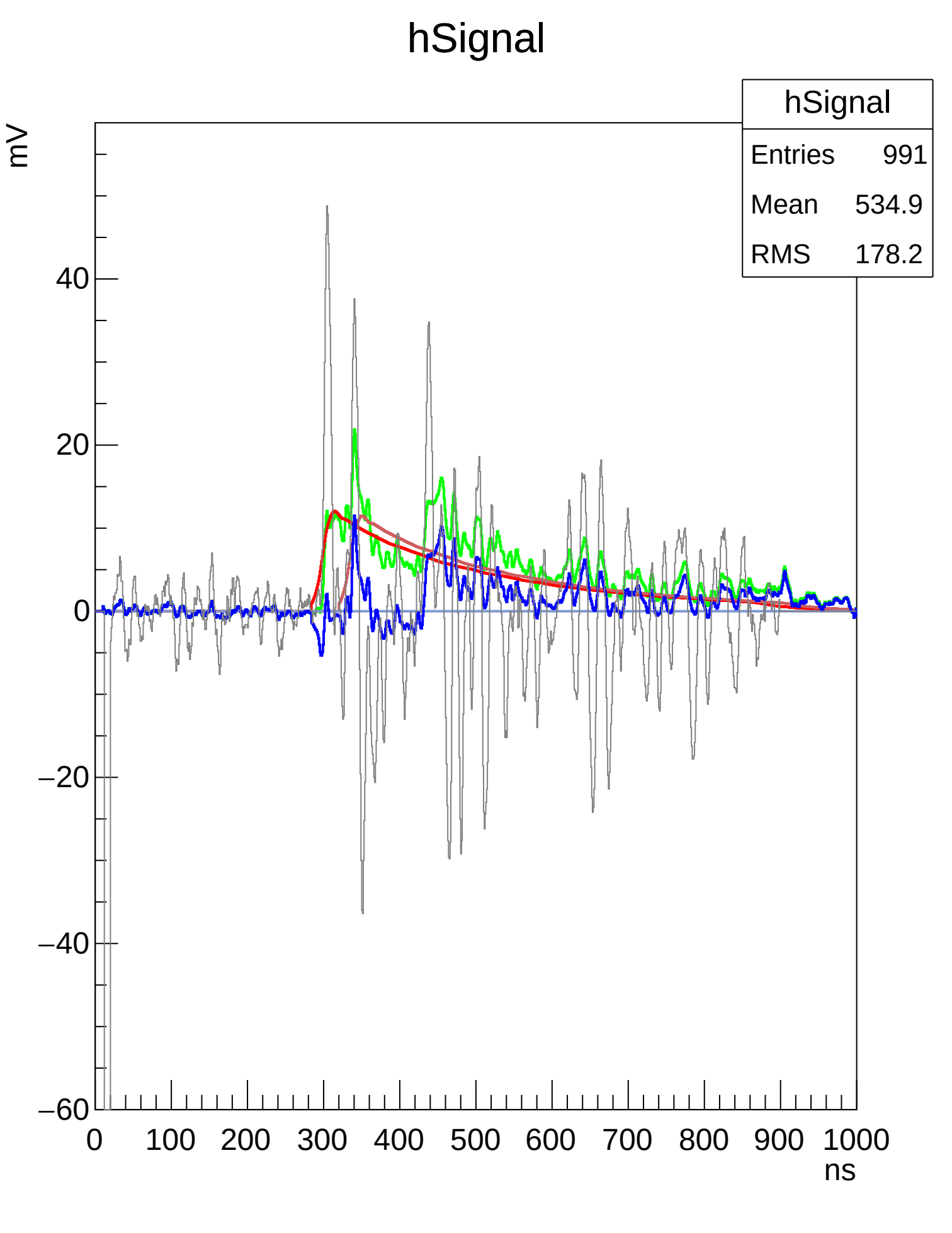
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.4
RMS 151.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.6
RMS 150.5
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.2
RMS 51.16
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.9
RMS 178.2
mV
40
20
0
−20
−40
−60
0
100
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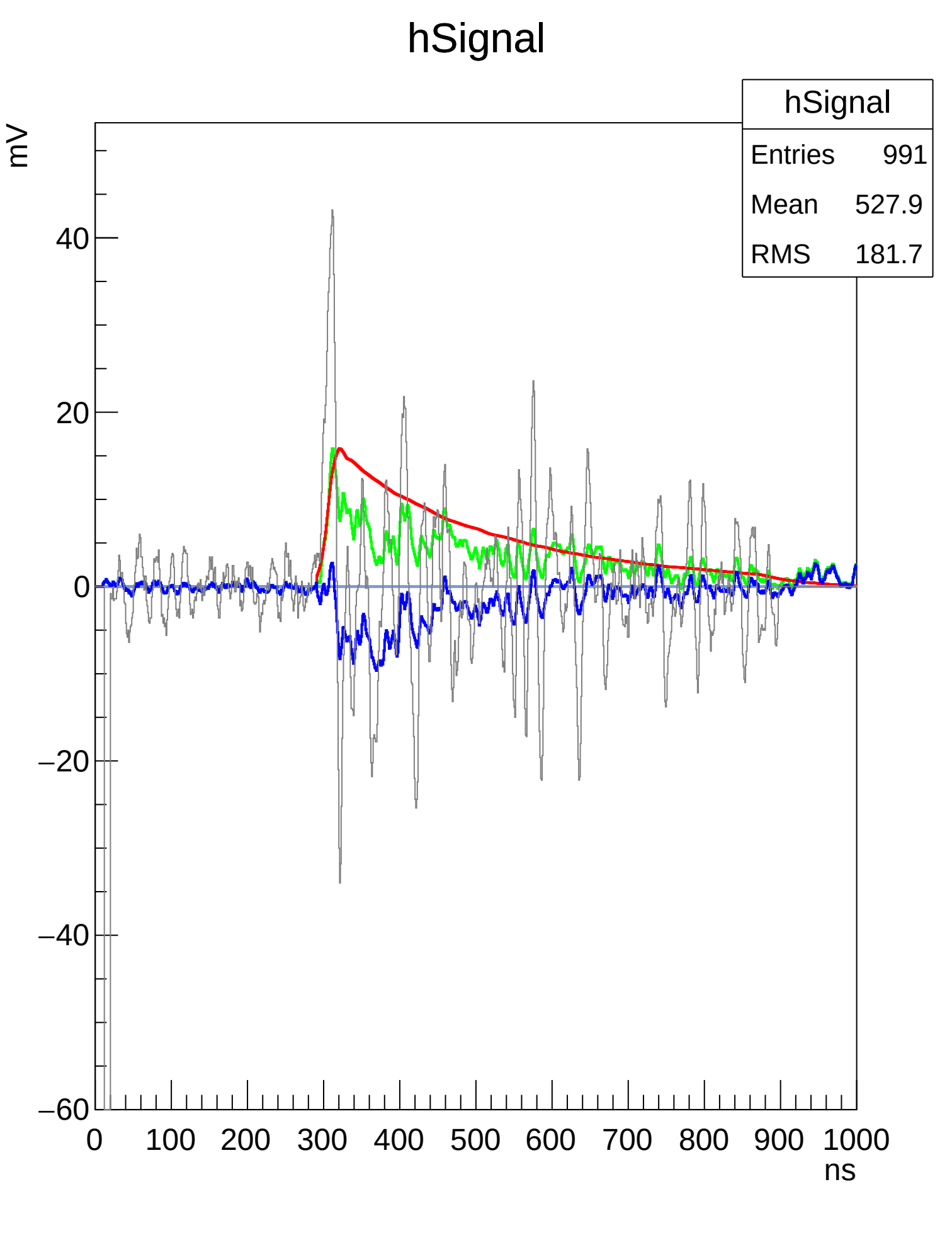
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.9
RMS 181.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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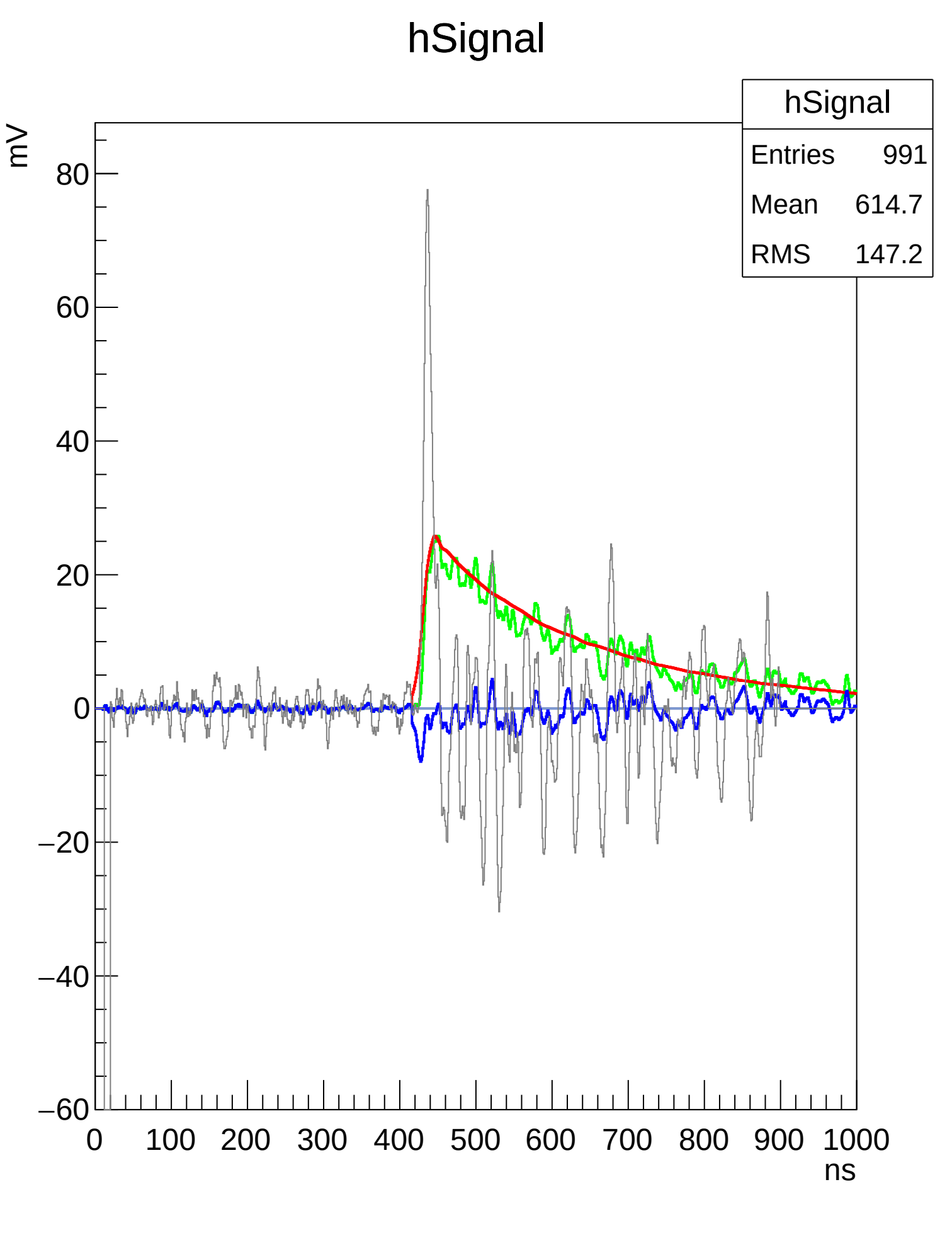
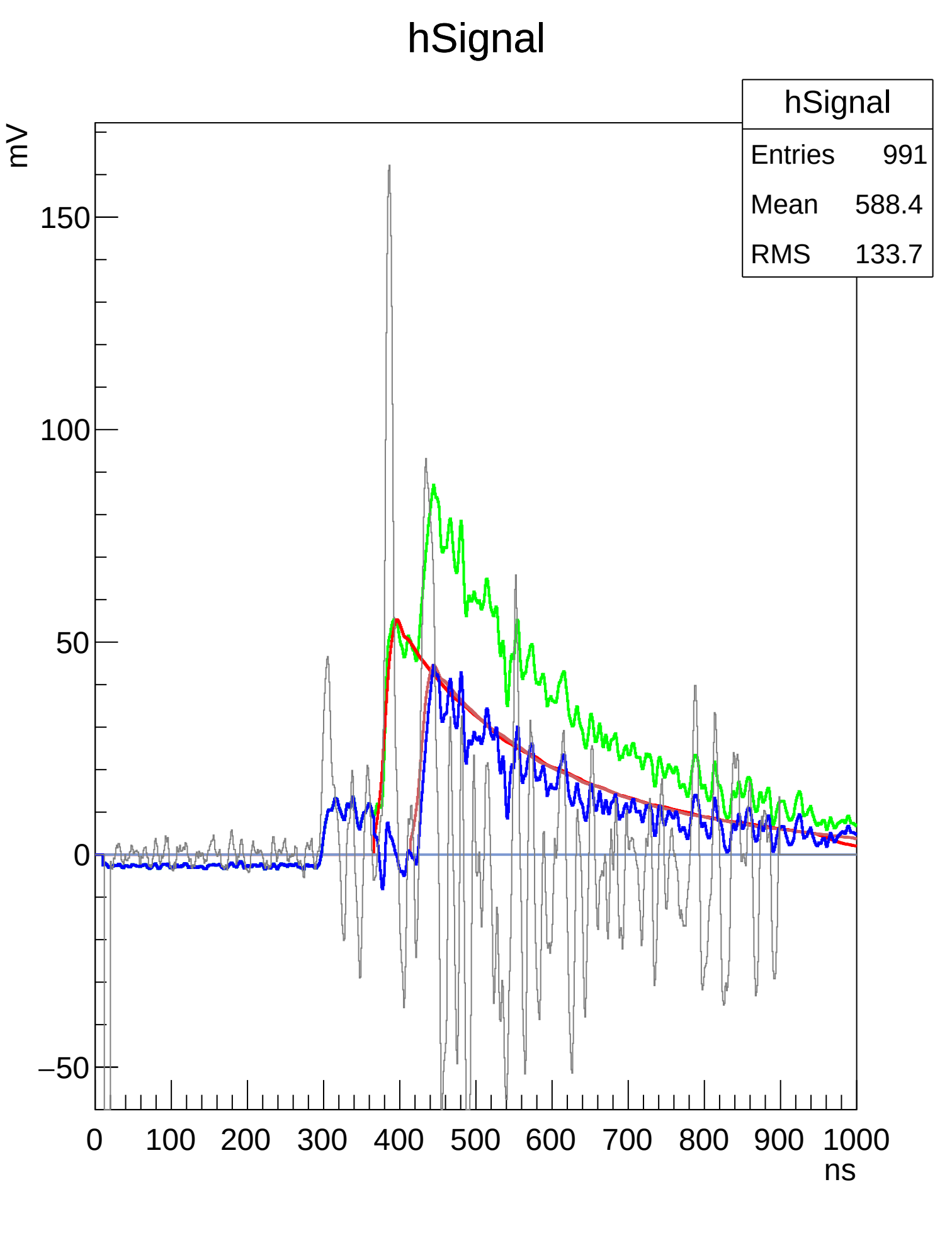
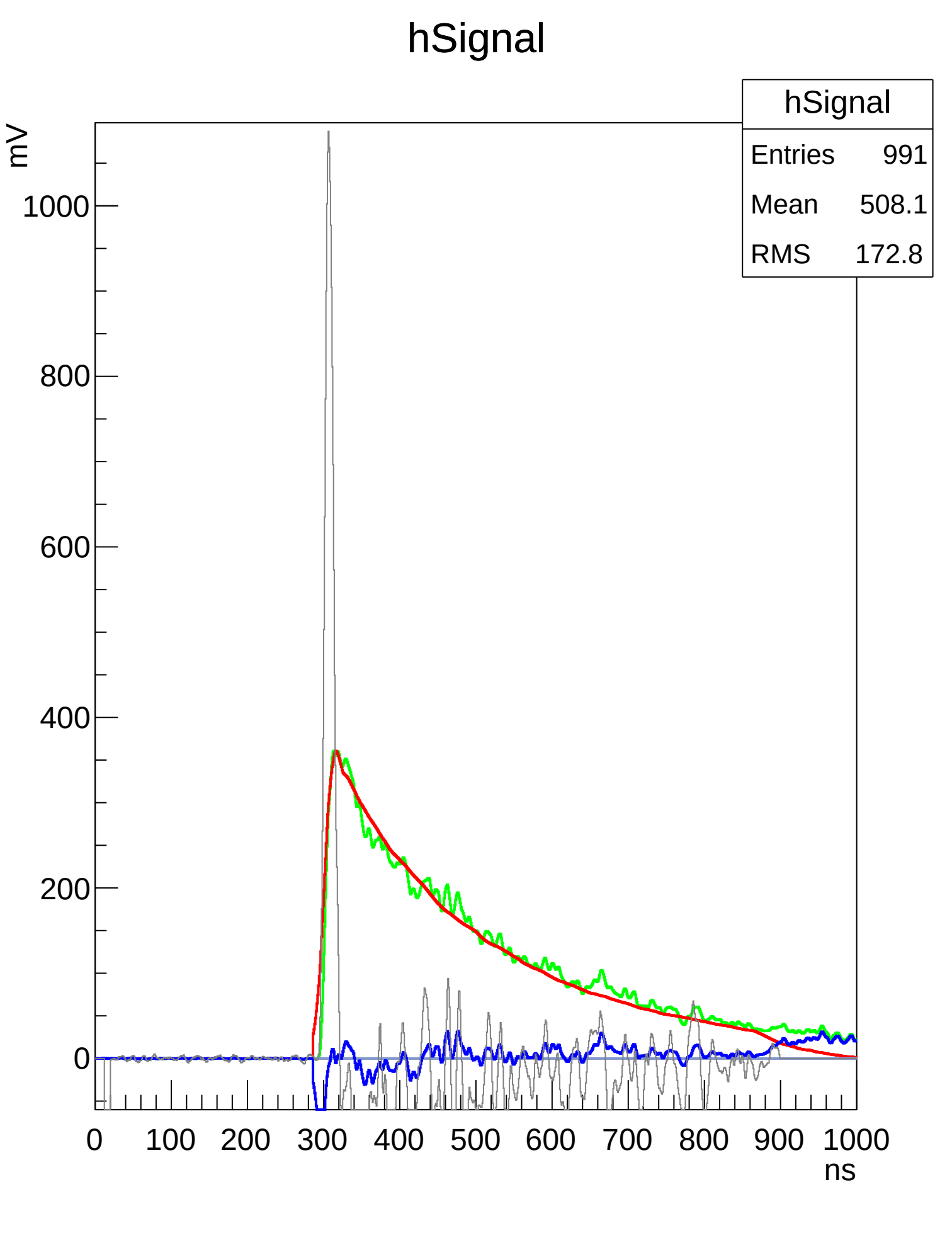
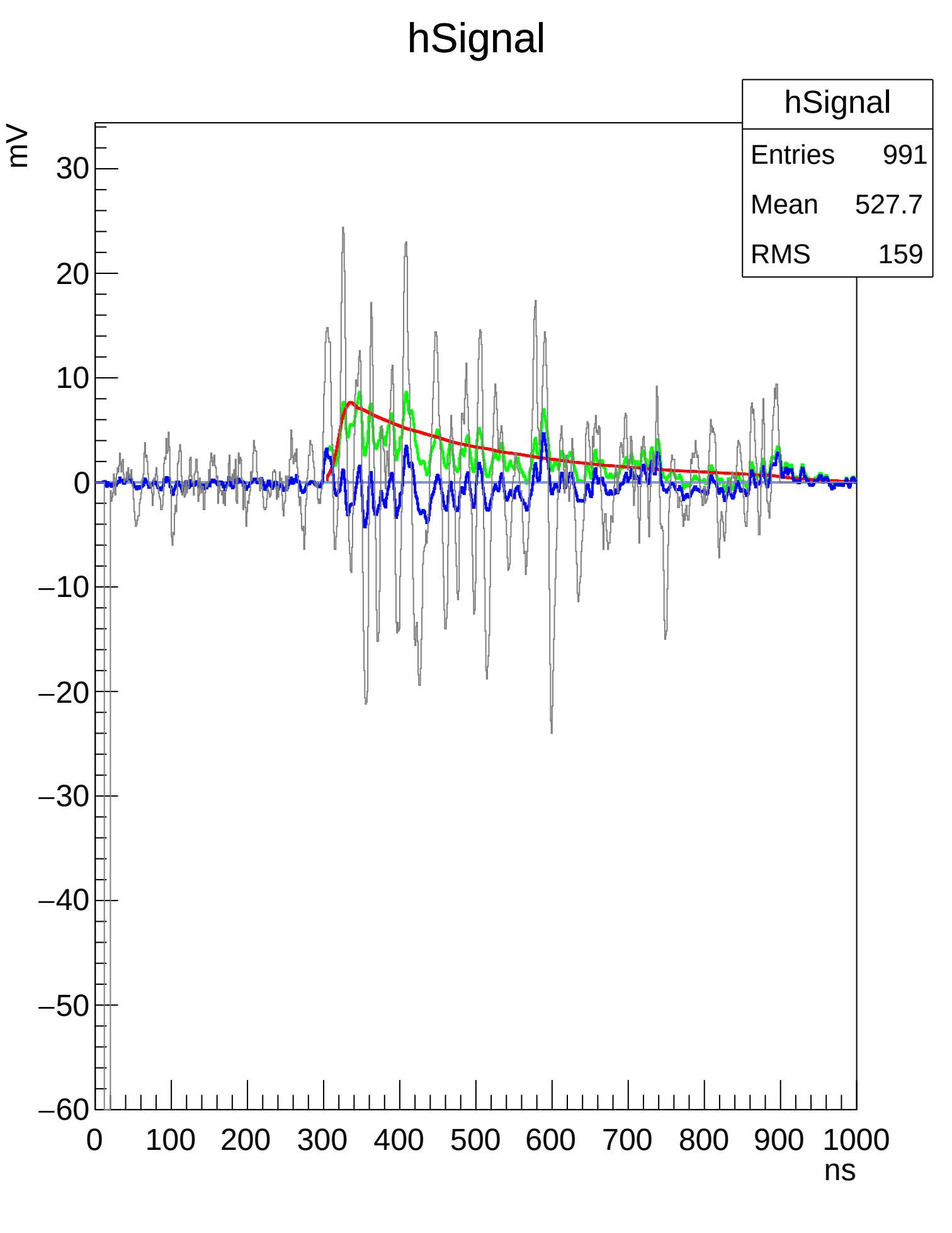
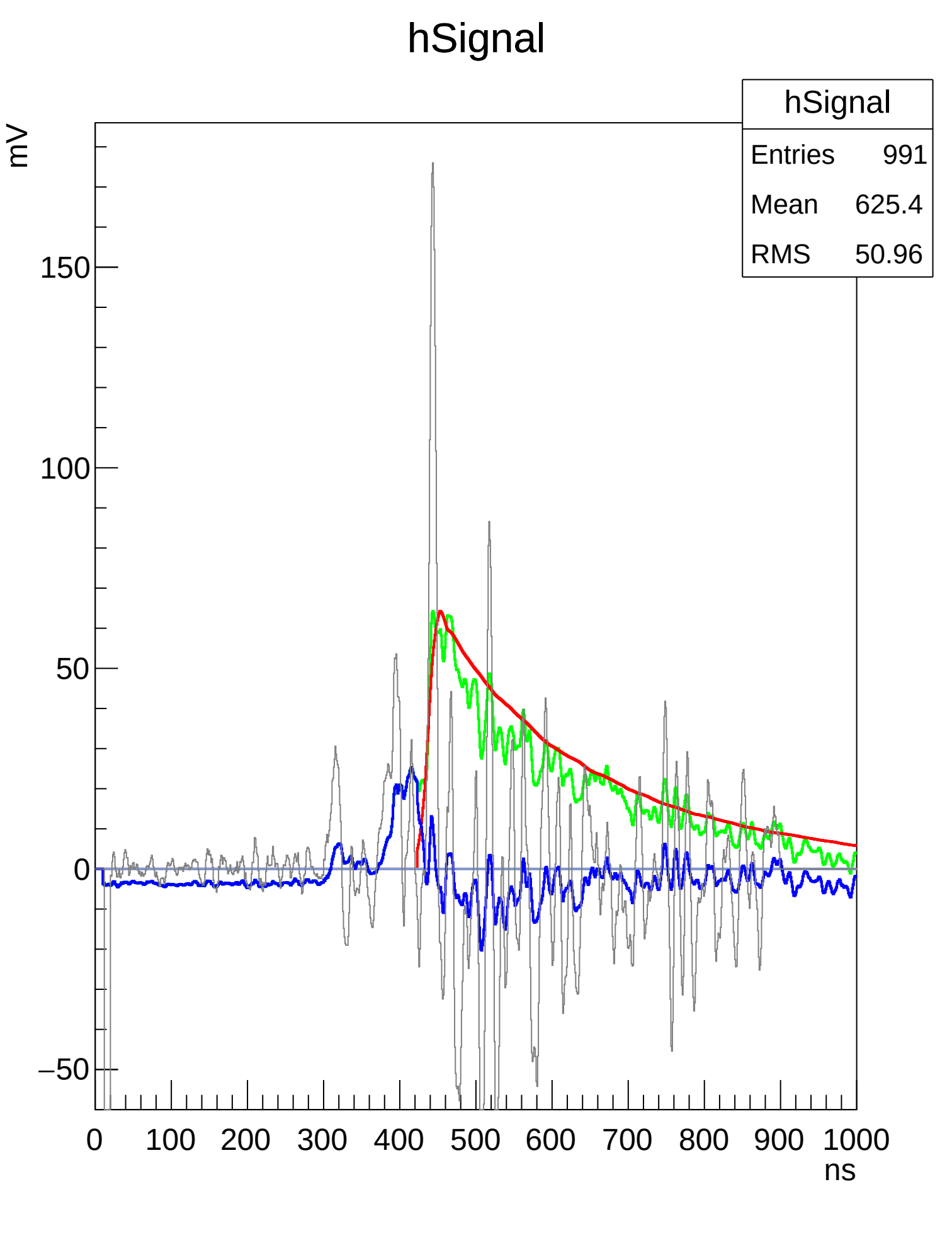
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.7
RMS 147.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.4
RMS 133.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.1
RMS 172.8
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.7
RMS 159
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.4
RMS 50.96
mV
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100
50
0
−50
0
100
200
300
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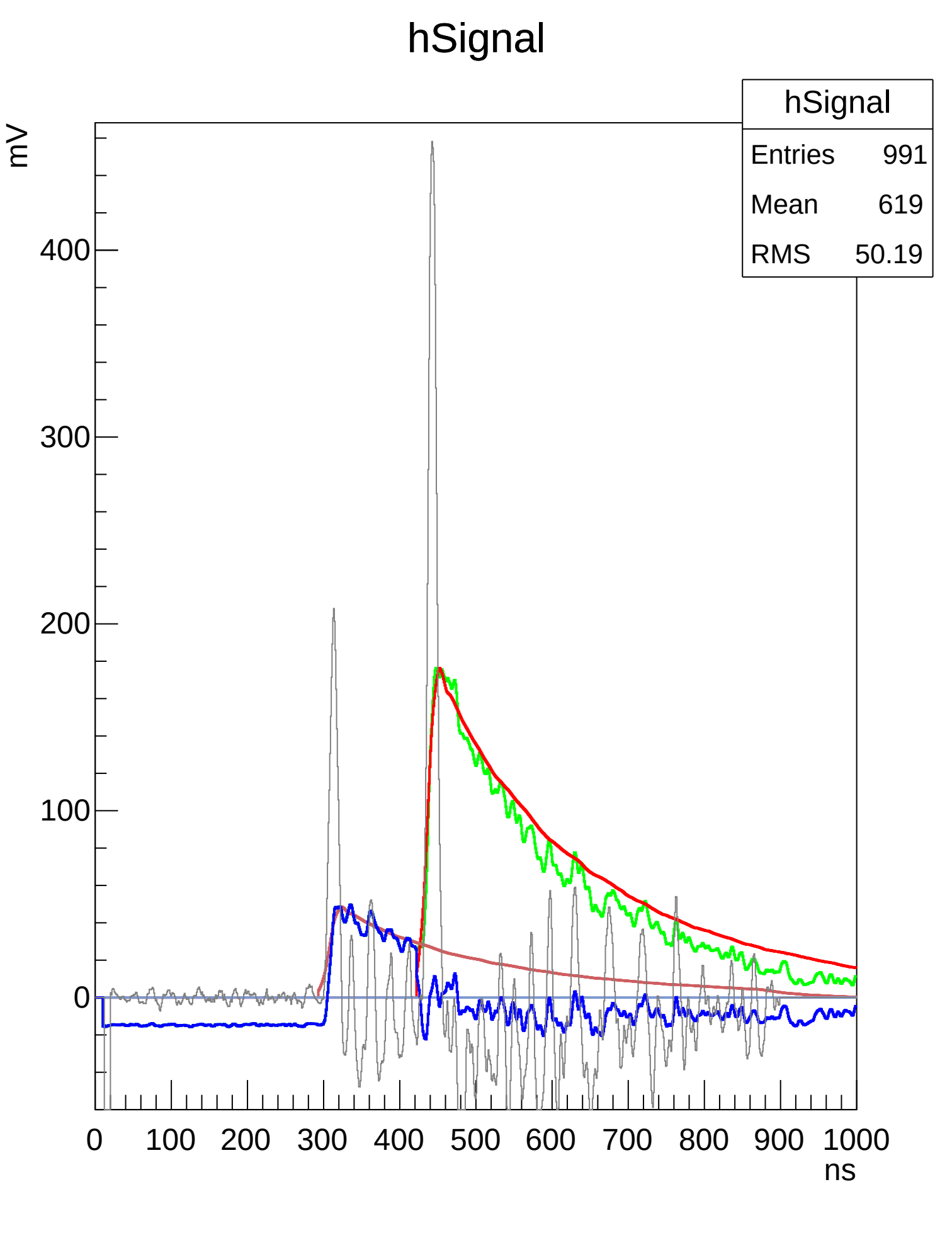
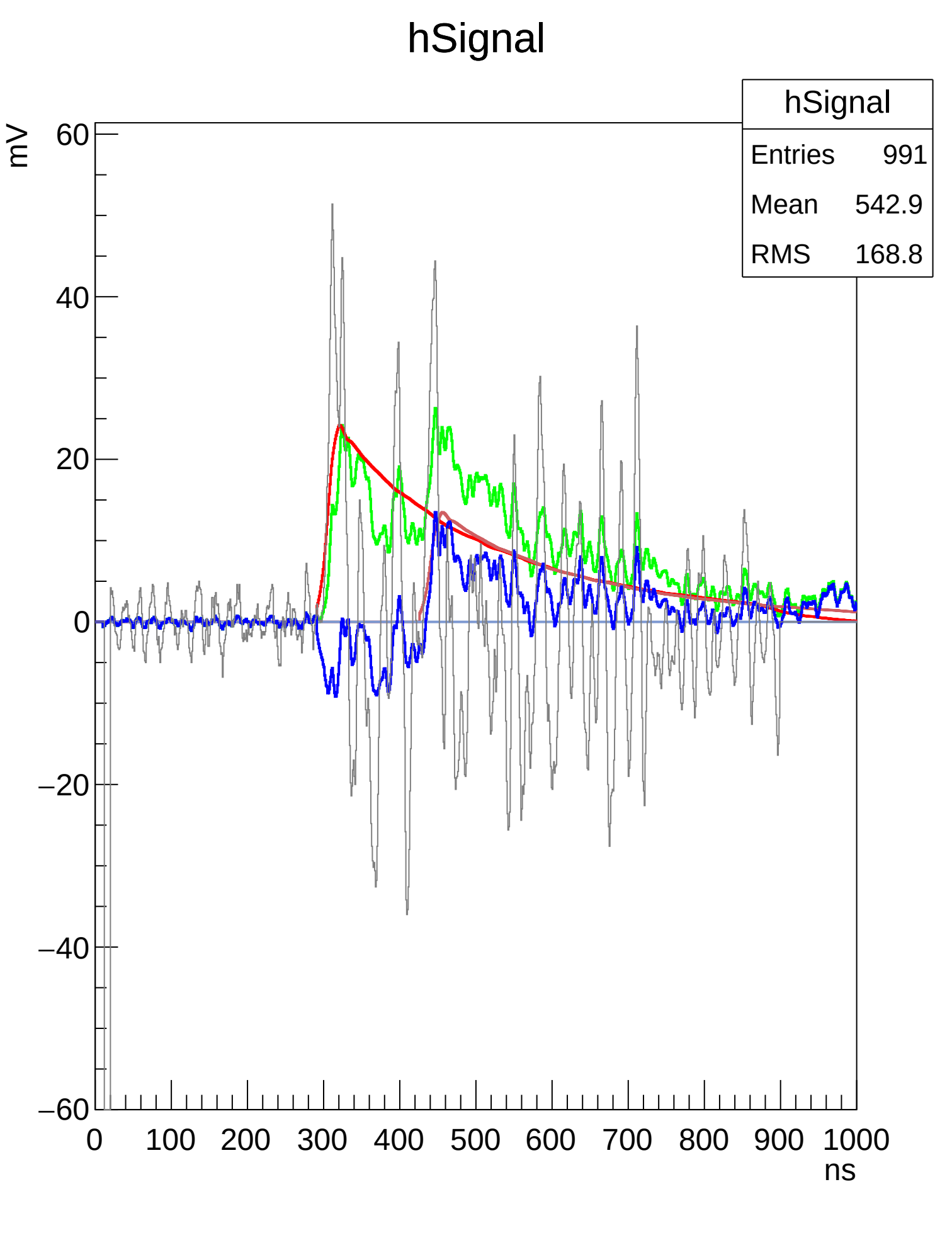
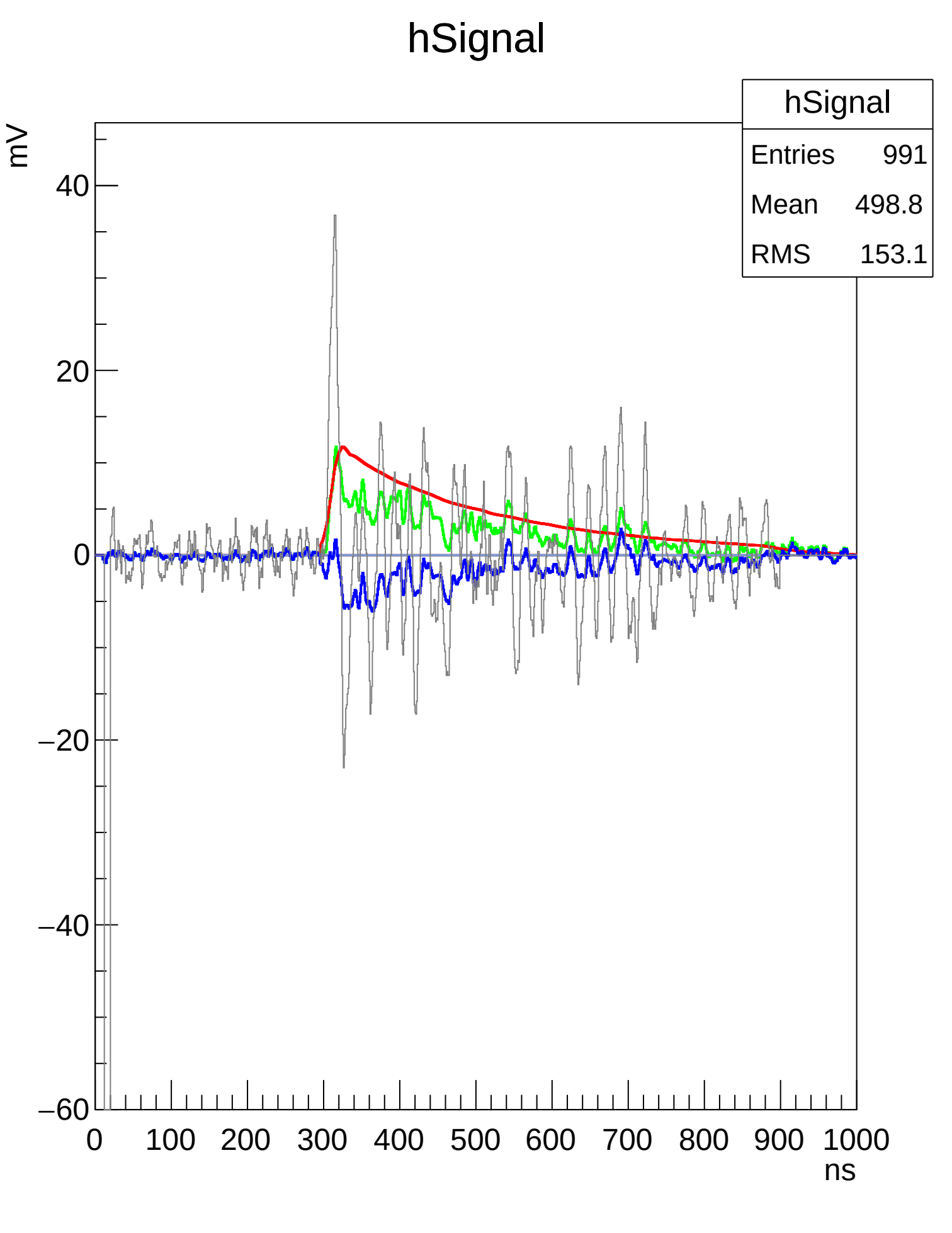
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619
RMS 50.19
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 542.9
RMS 168.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498.8
RMS 153.1
mV
40
20
0
−20
−40
−60
0
100
200
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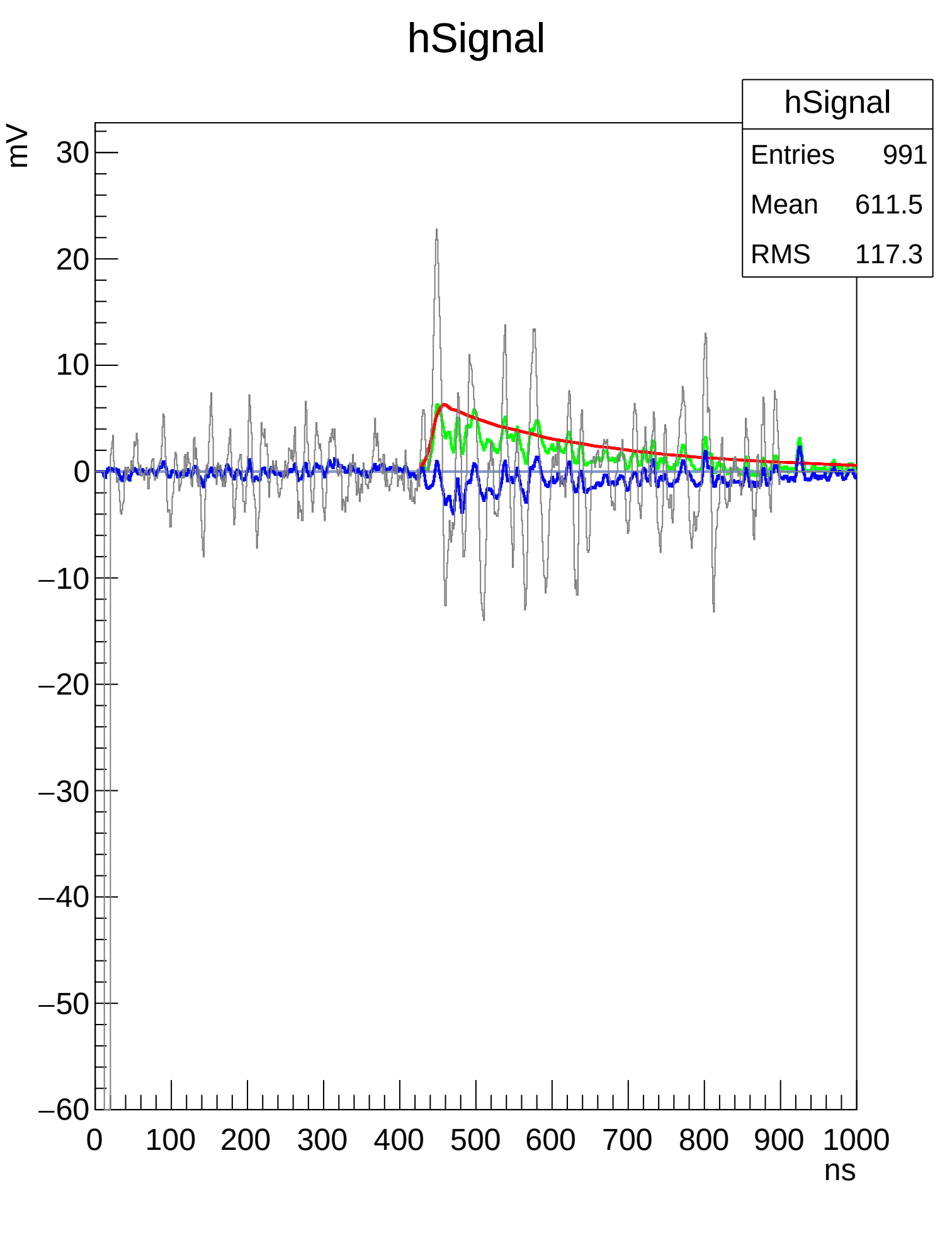
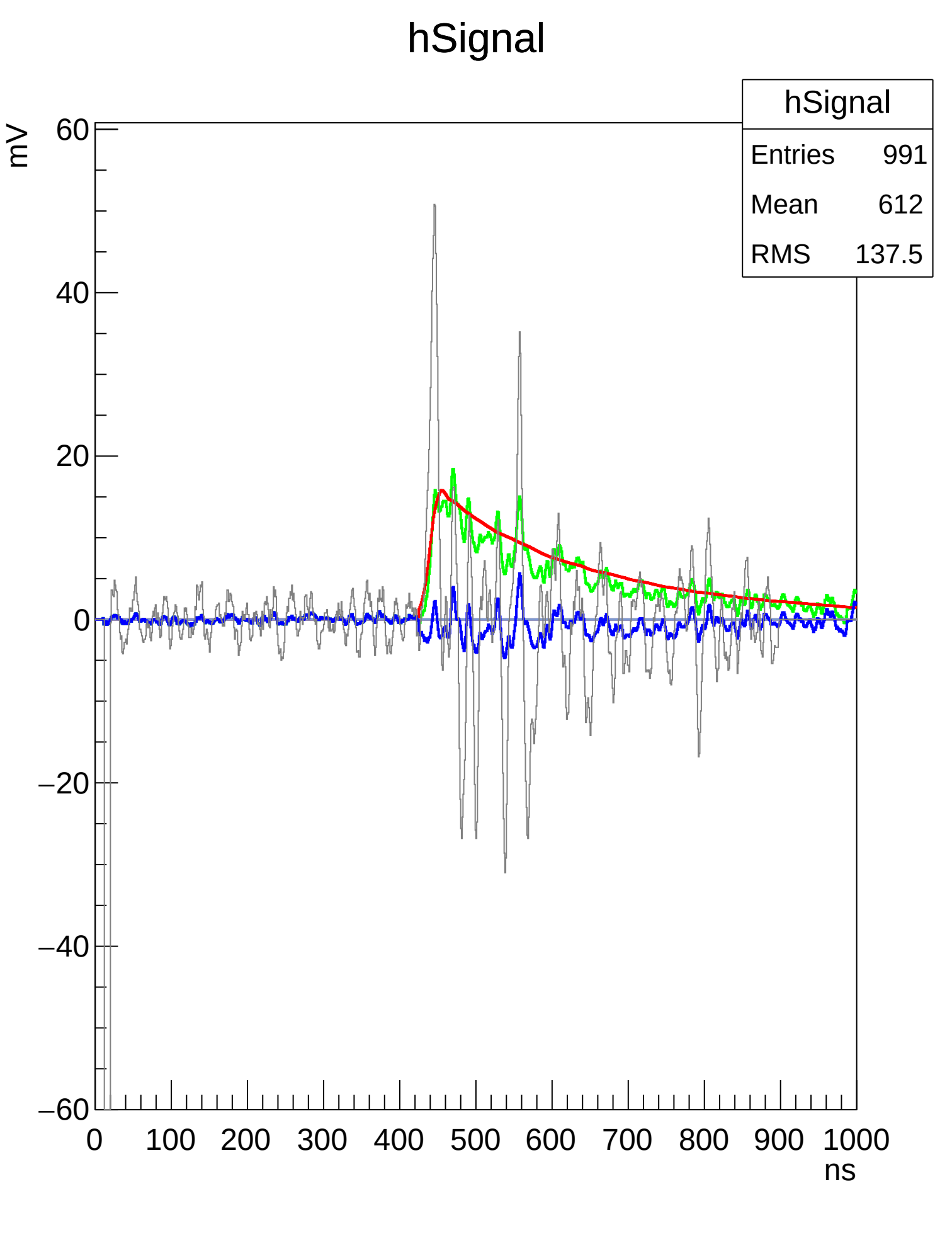
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.5
RMS 117.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612
RMS 137.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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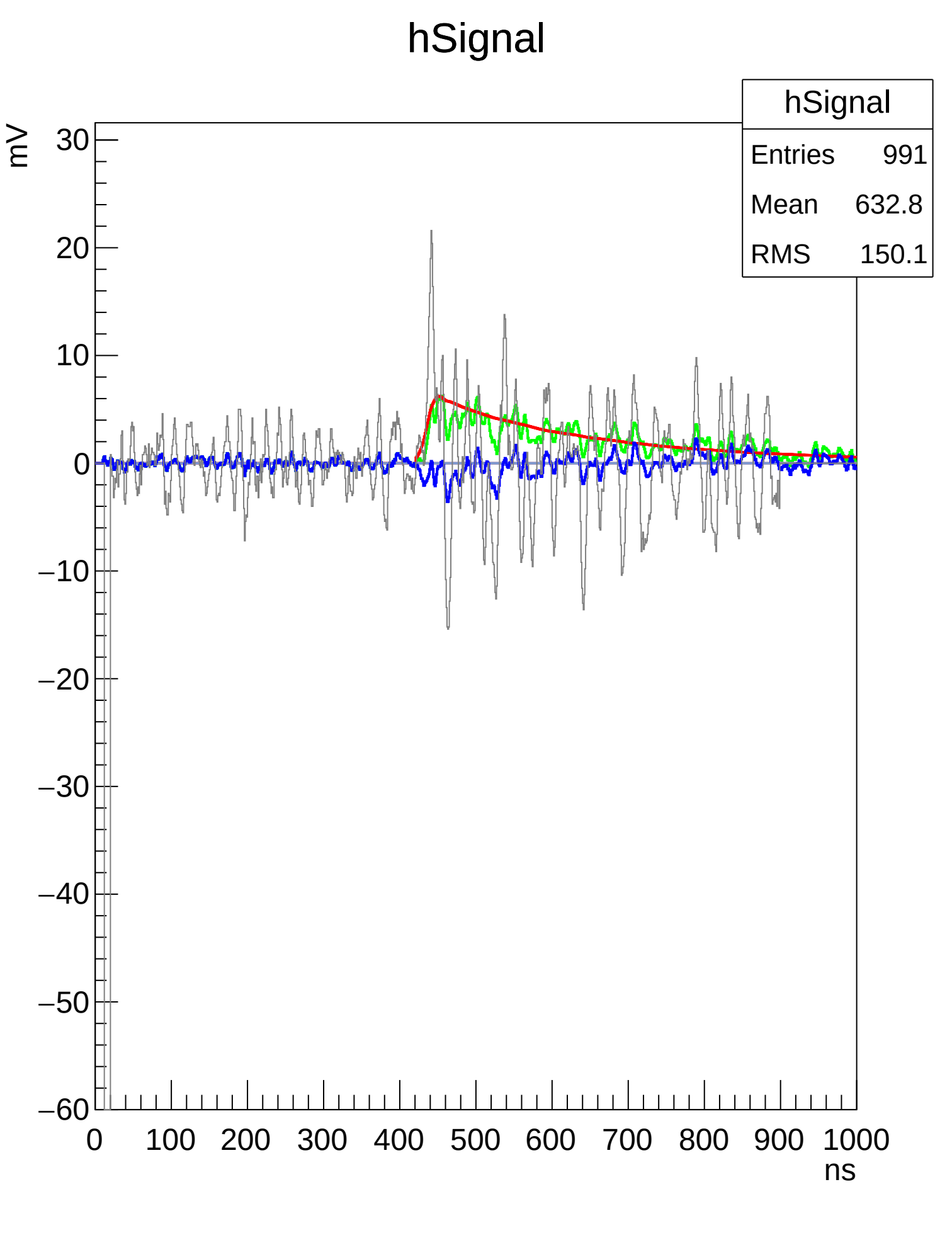
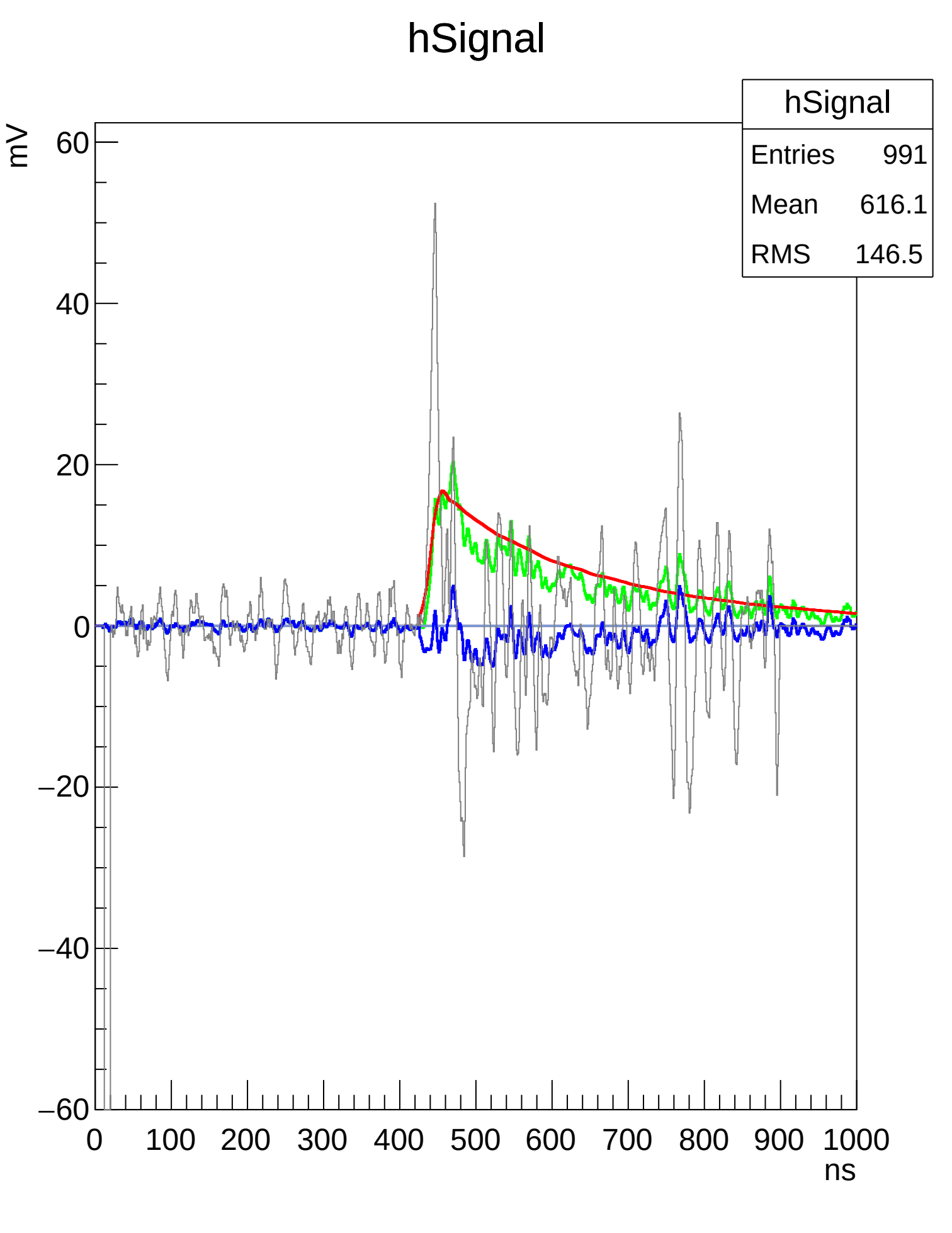
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 632.8
RMS 150.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.1
RMS 146.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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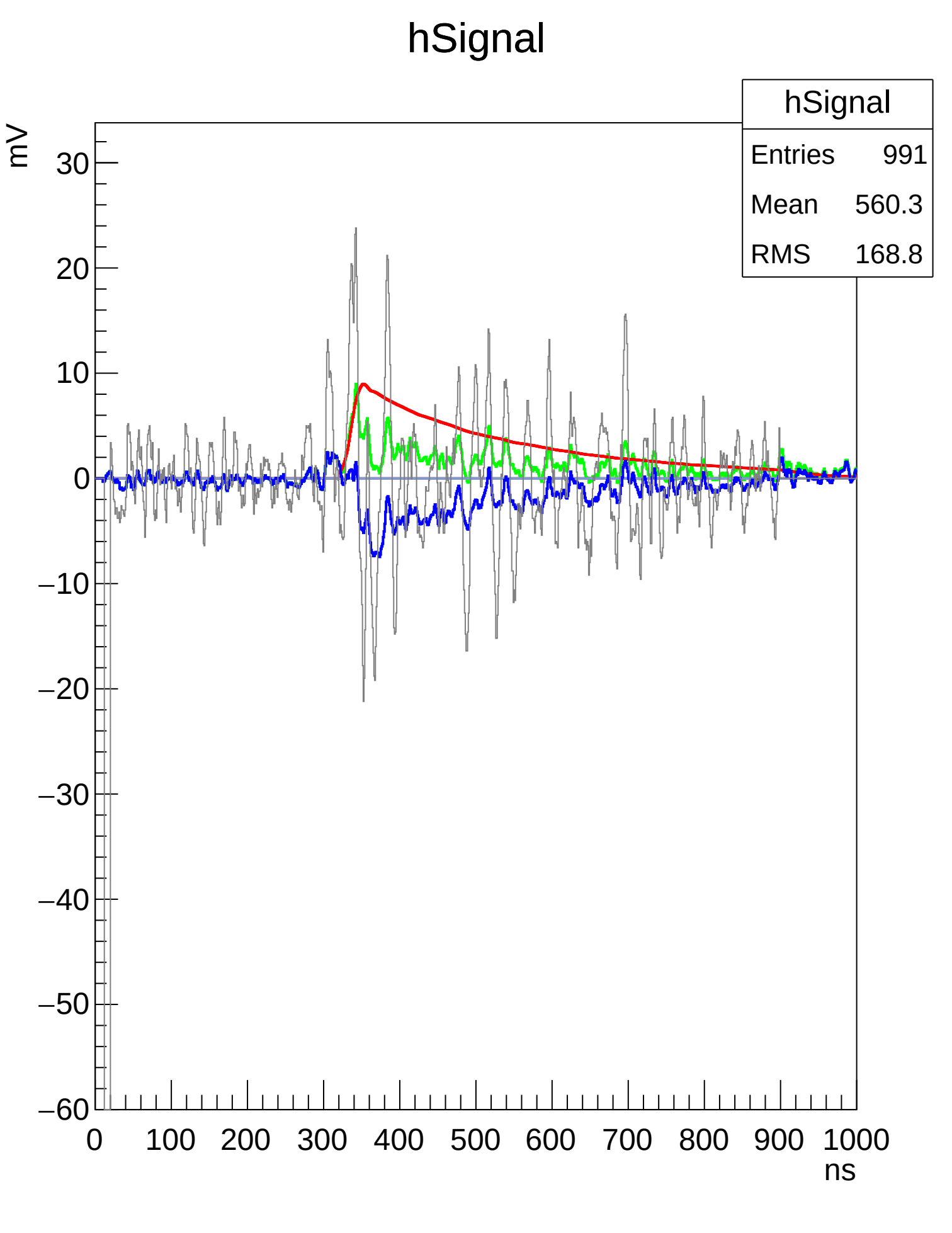
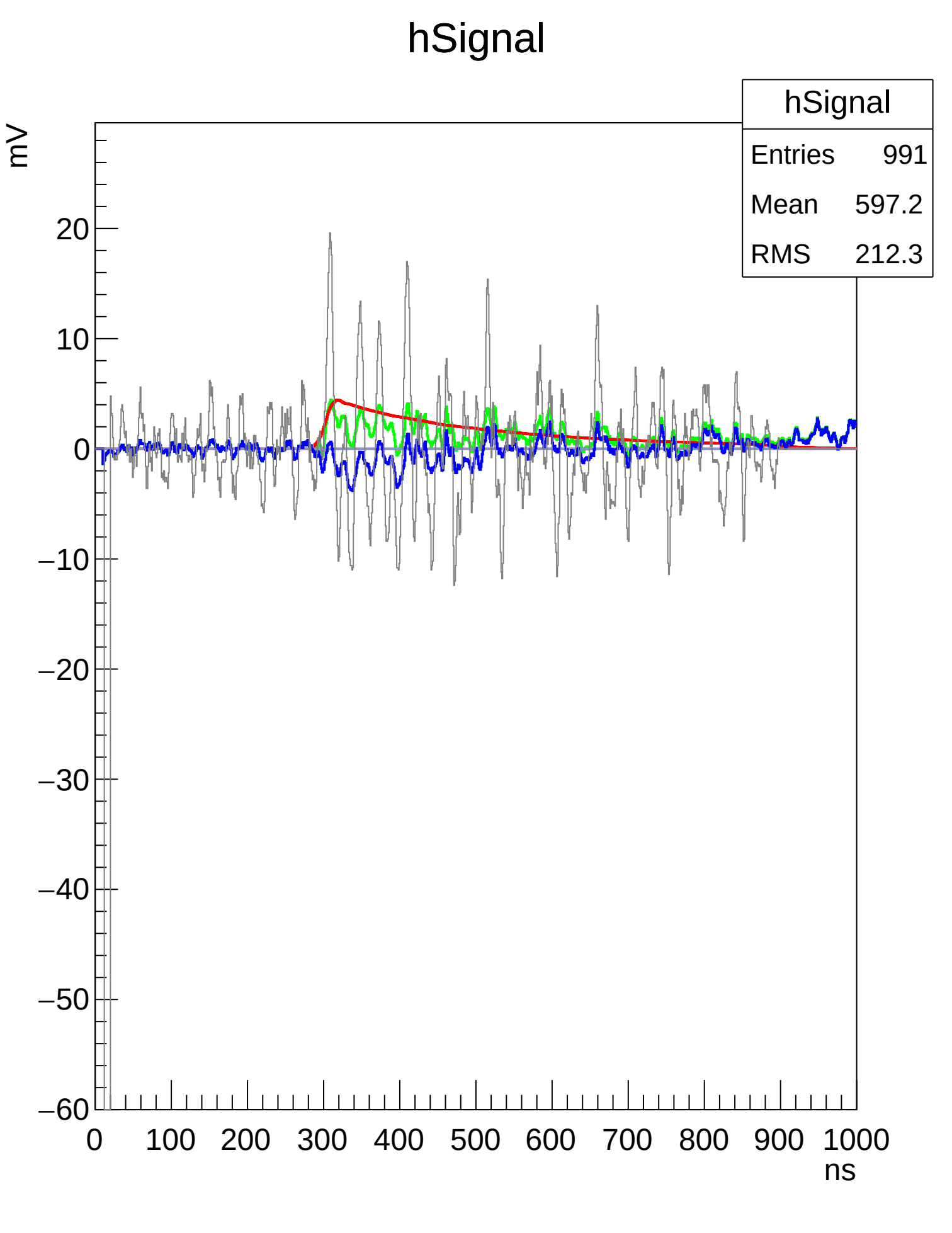
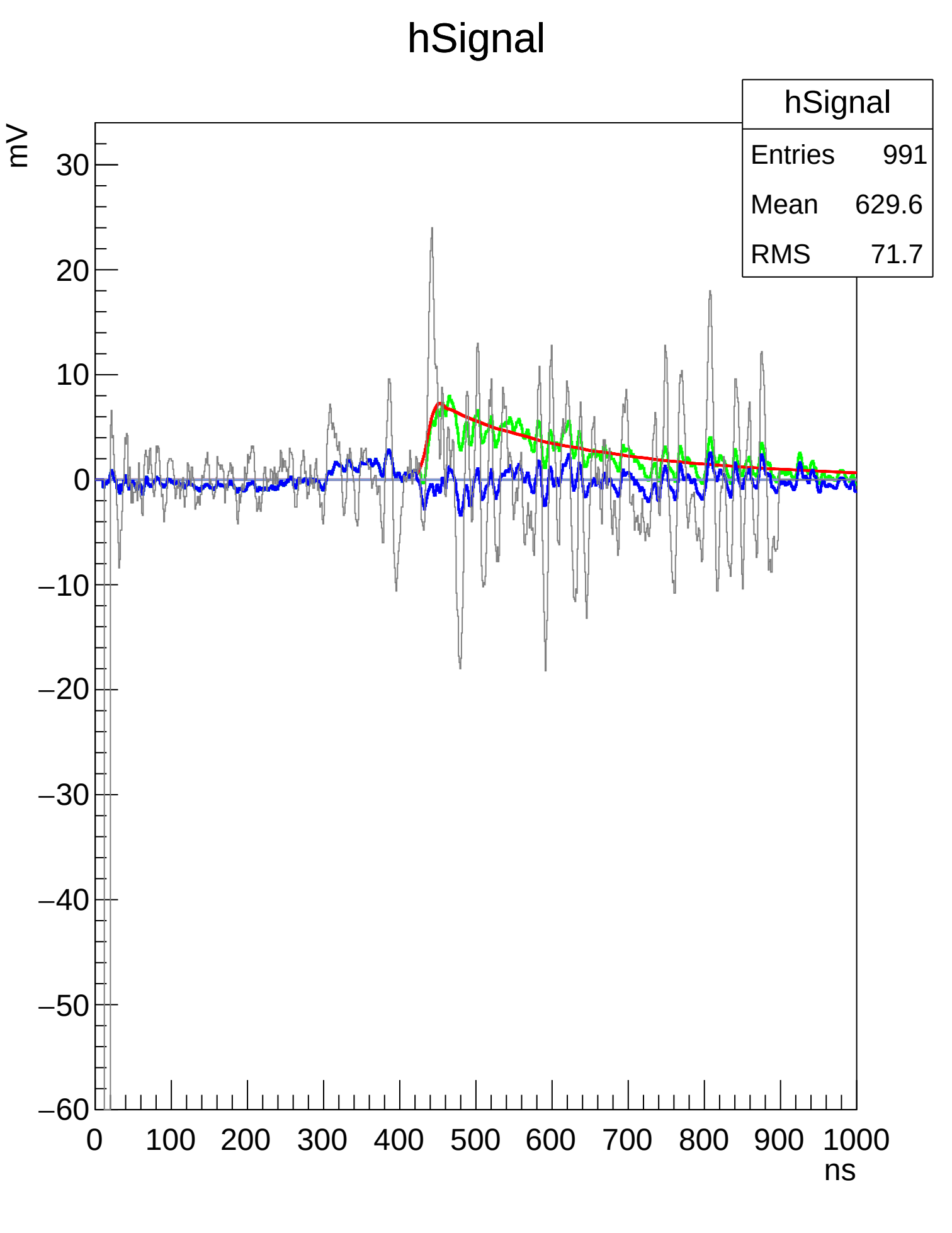
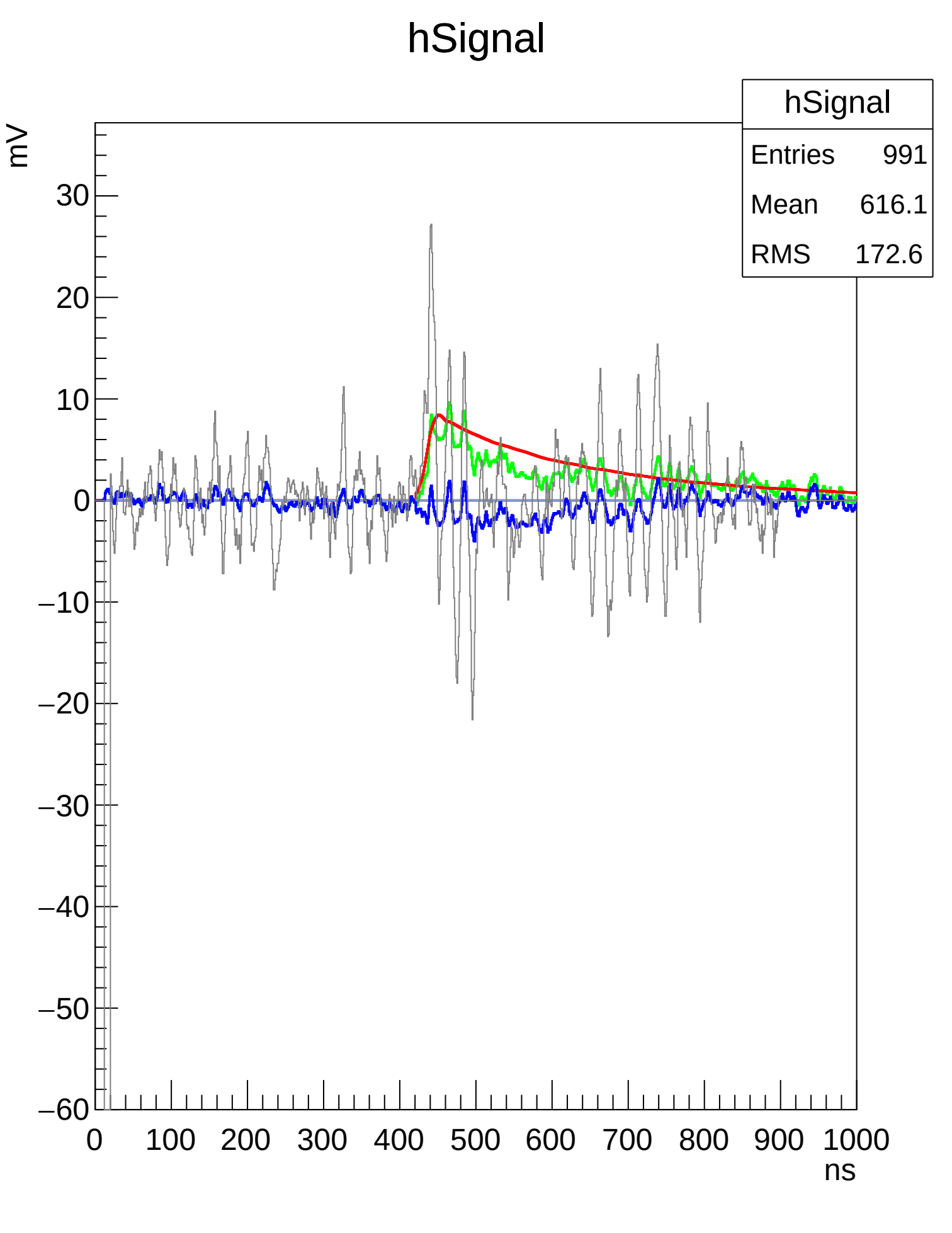
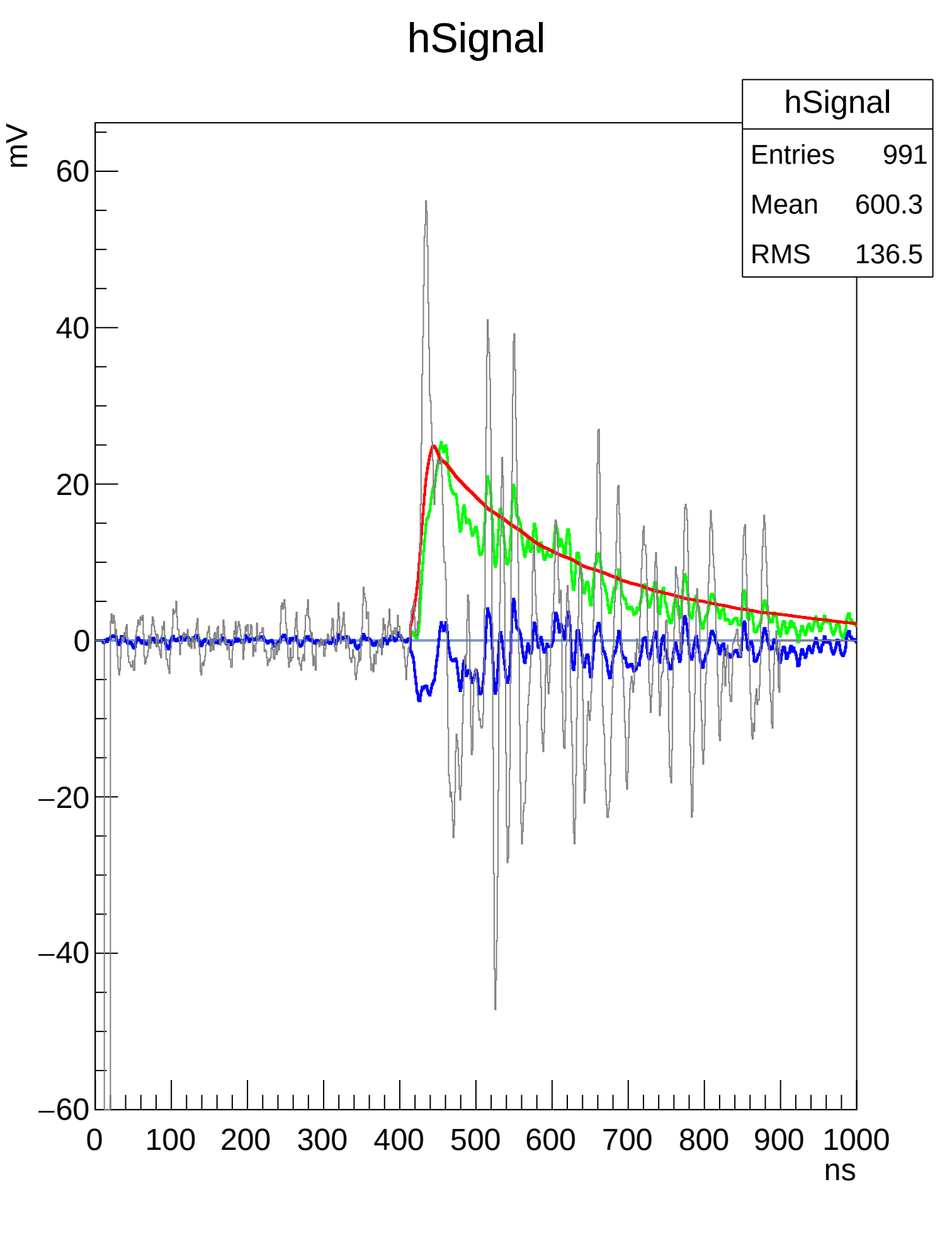
600
700
800
900
1000
ns

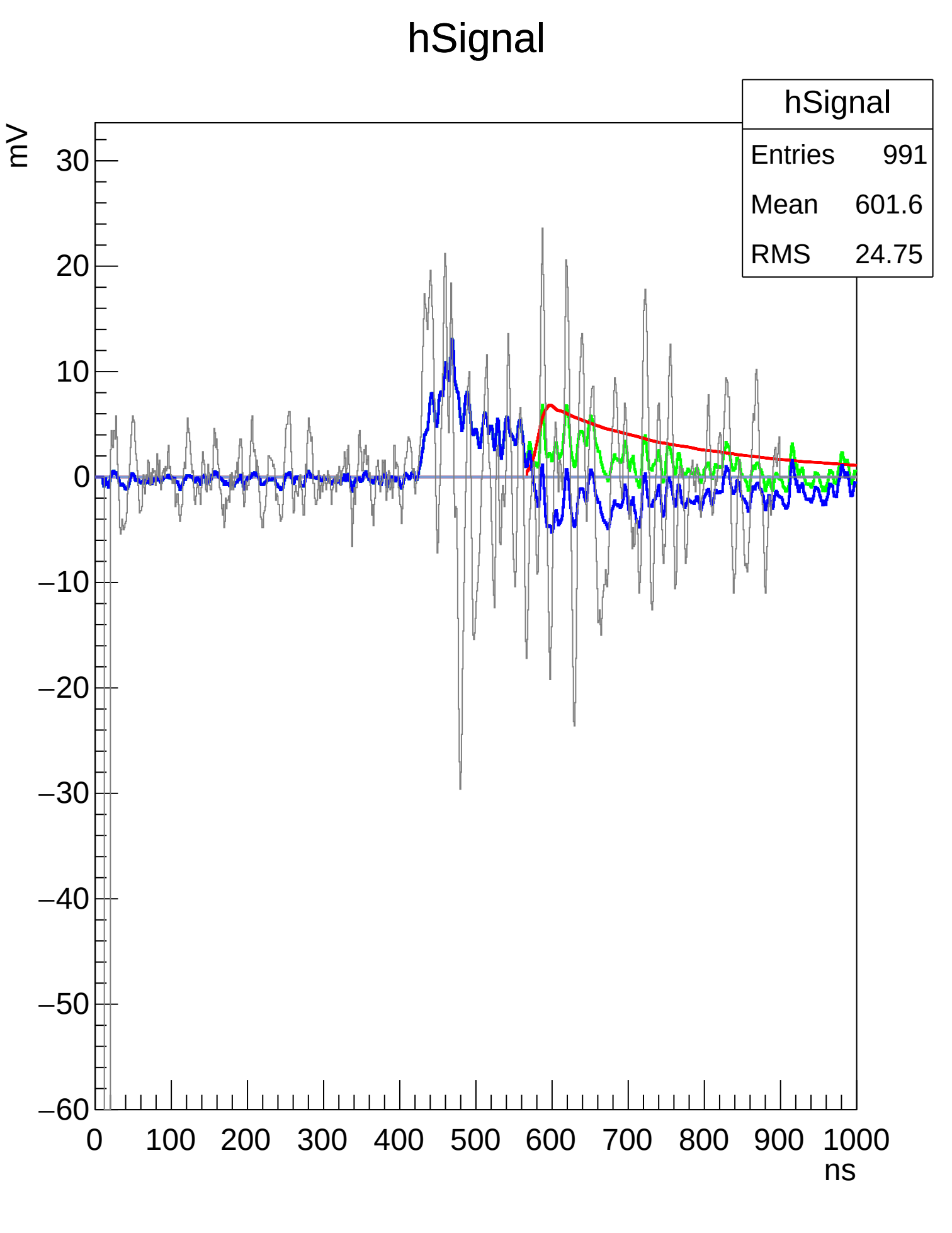

hSignal
hSignal
Entries 991
Mean 560.3
RMS 168.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.2
RMS 212.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 629.6
RMS 71.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.1
RMS 172.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.3
RMS 136.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.6
RMS 24.75
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
300
400
500
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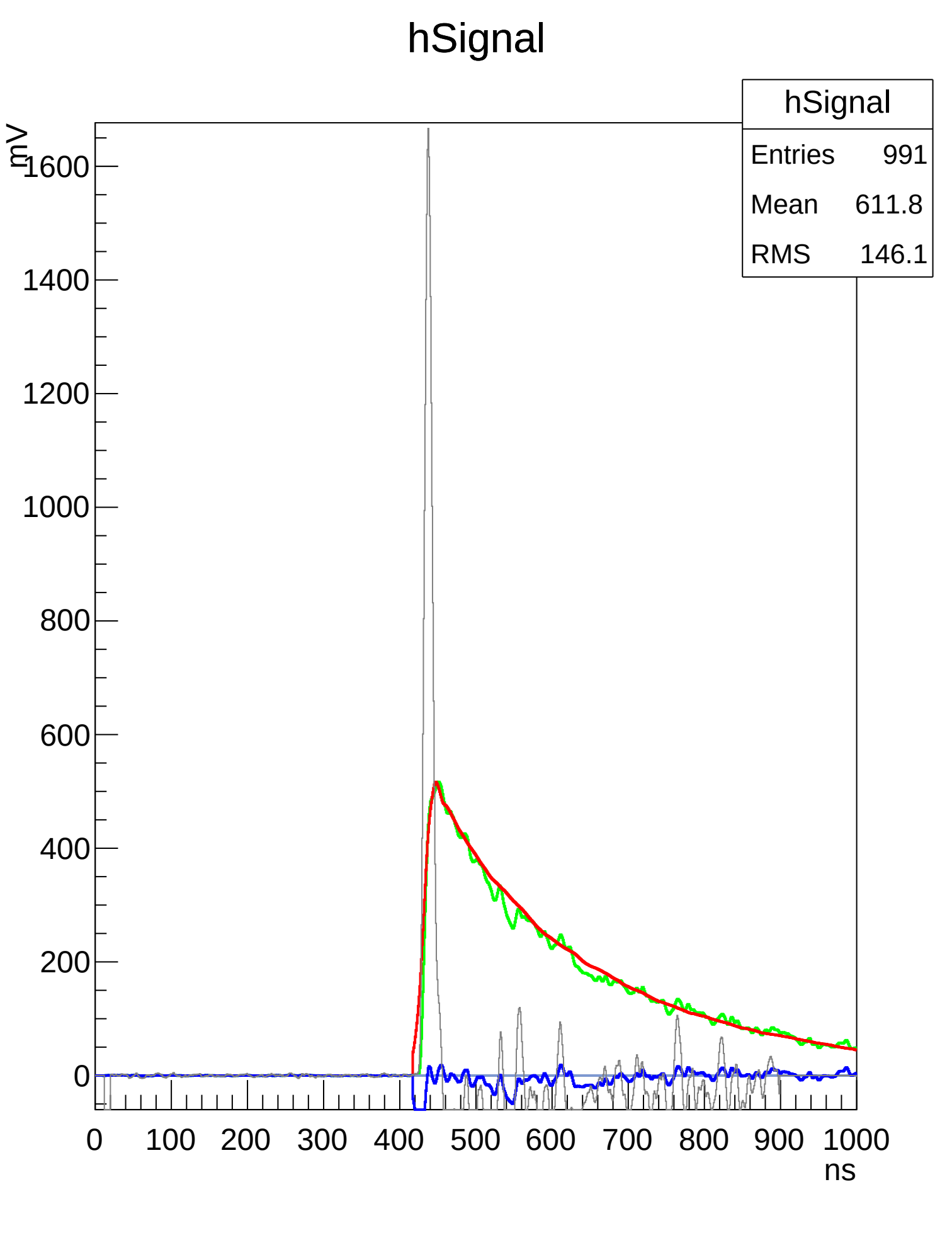
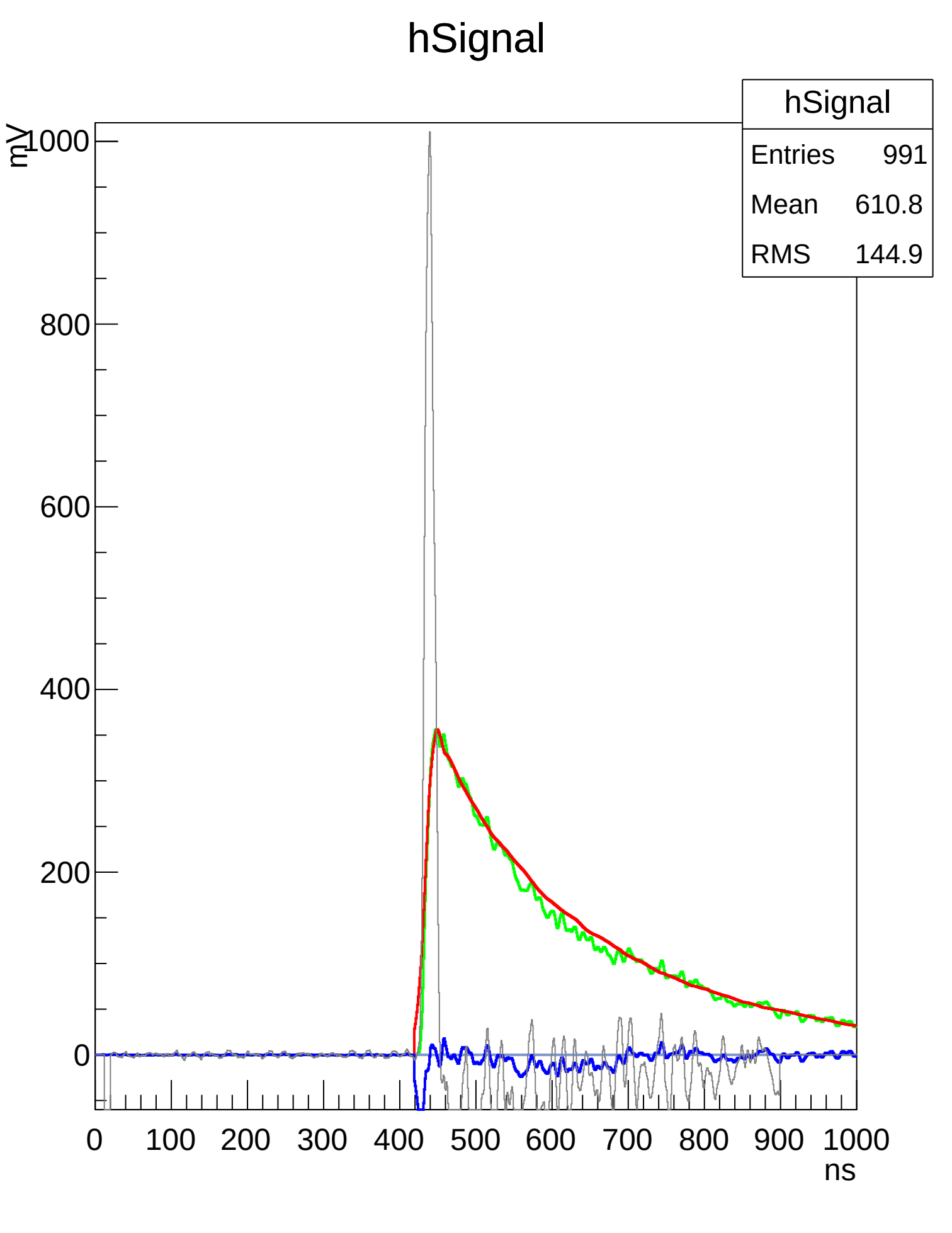
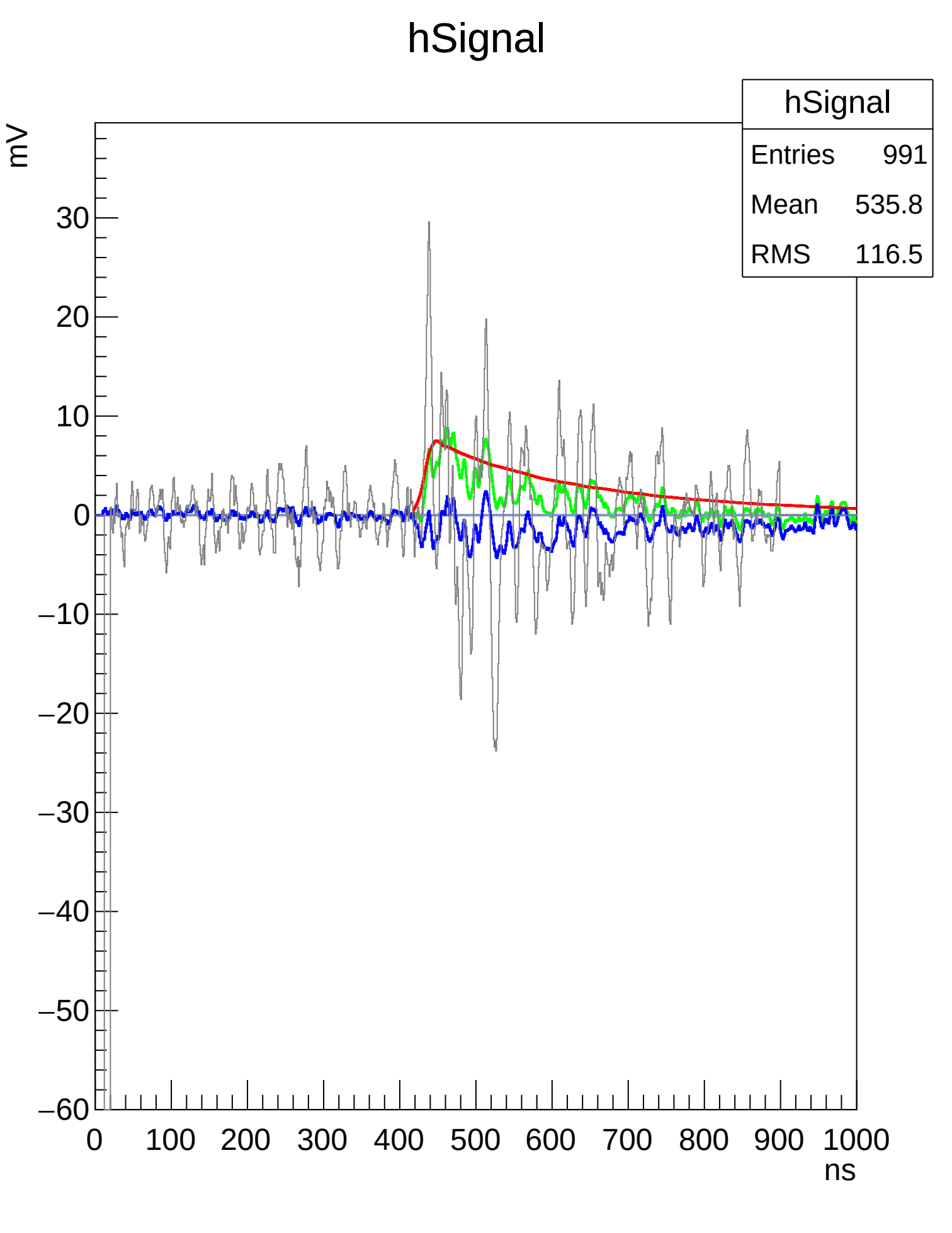
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.8
RMS 146.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.8
RMS 144.9
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.8
RMS 116.5
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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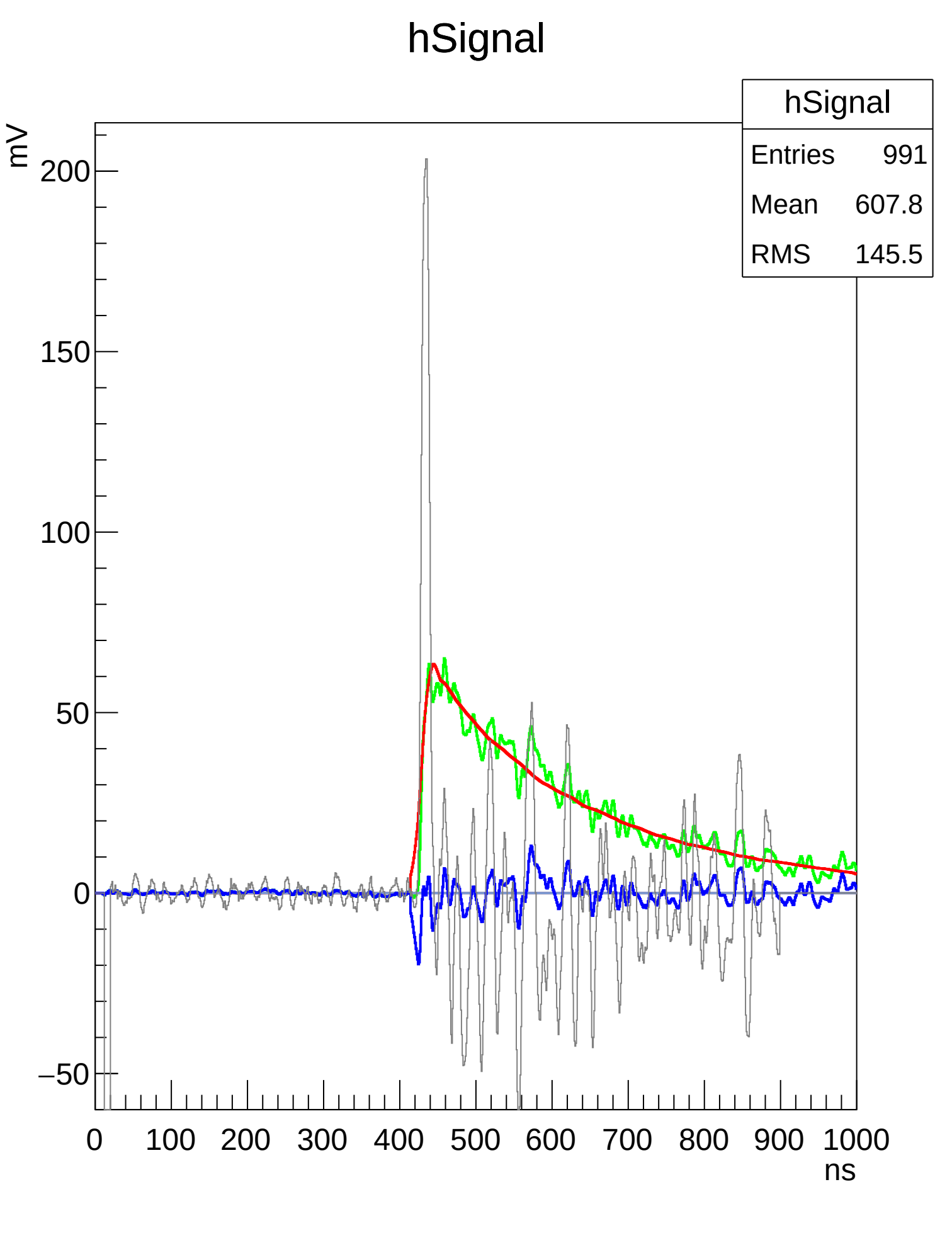
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.8
RMS 145.5
mV
200
150
100
50
0
−50
0
100
200
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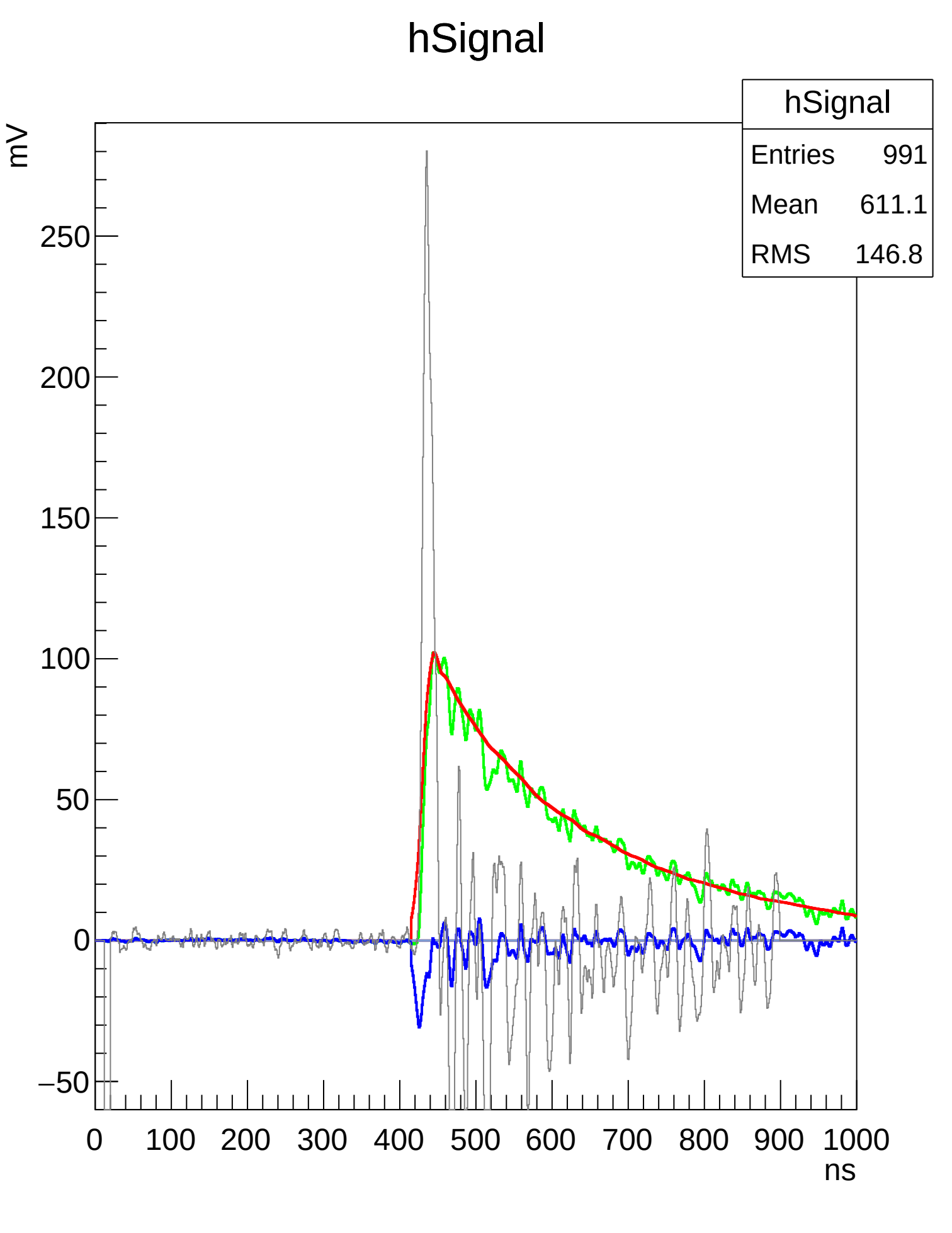
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.1
RMS 146.8
mV
250
200
150
100
50
0
−50
0
100
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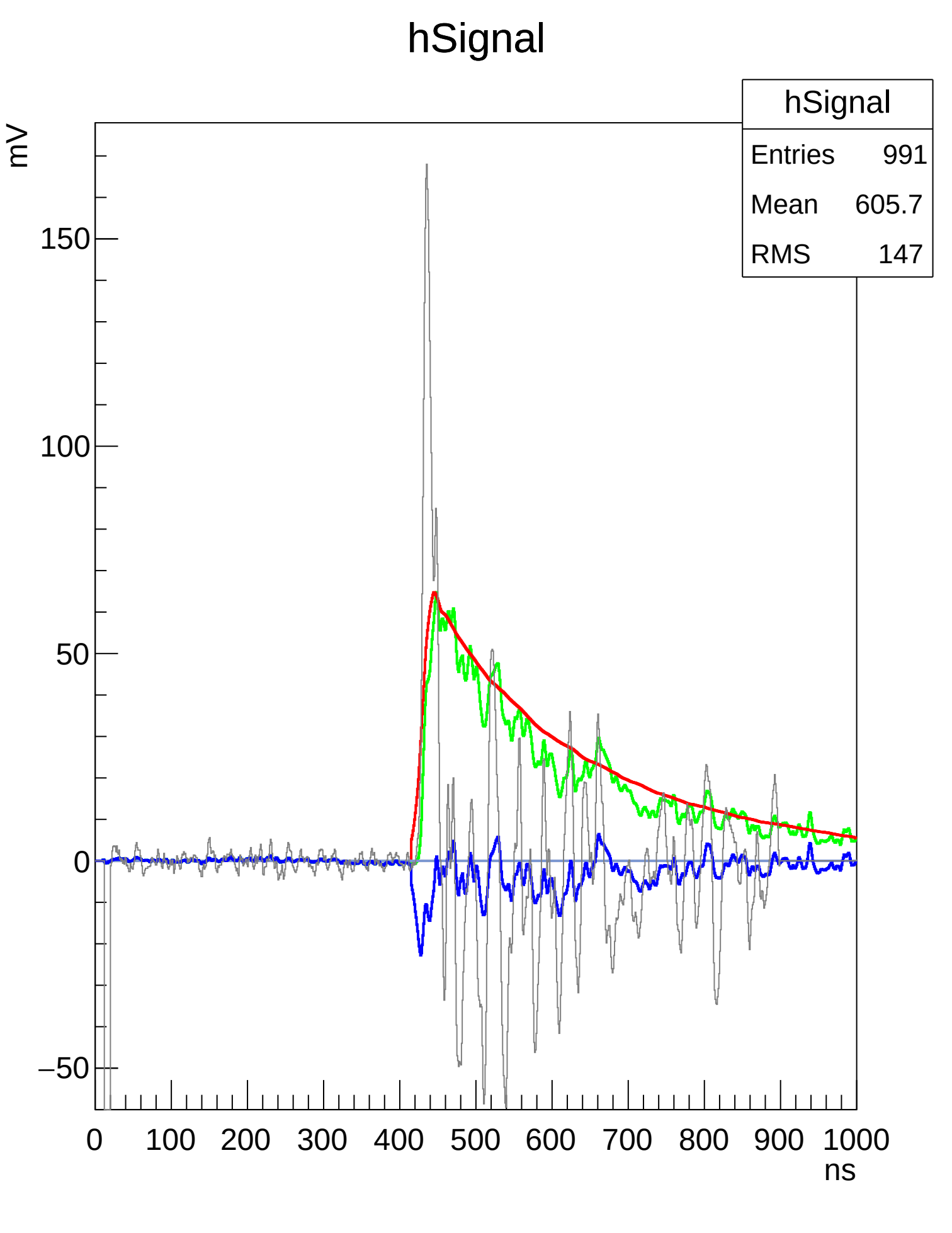
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.7
RMS 147
mV
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100
50
0
−50
0
100
200
300
400
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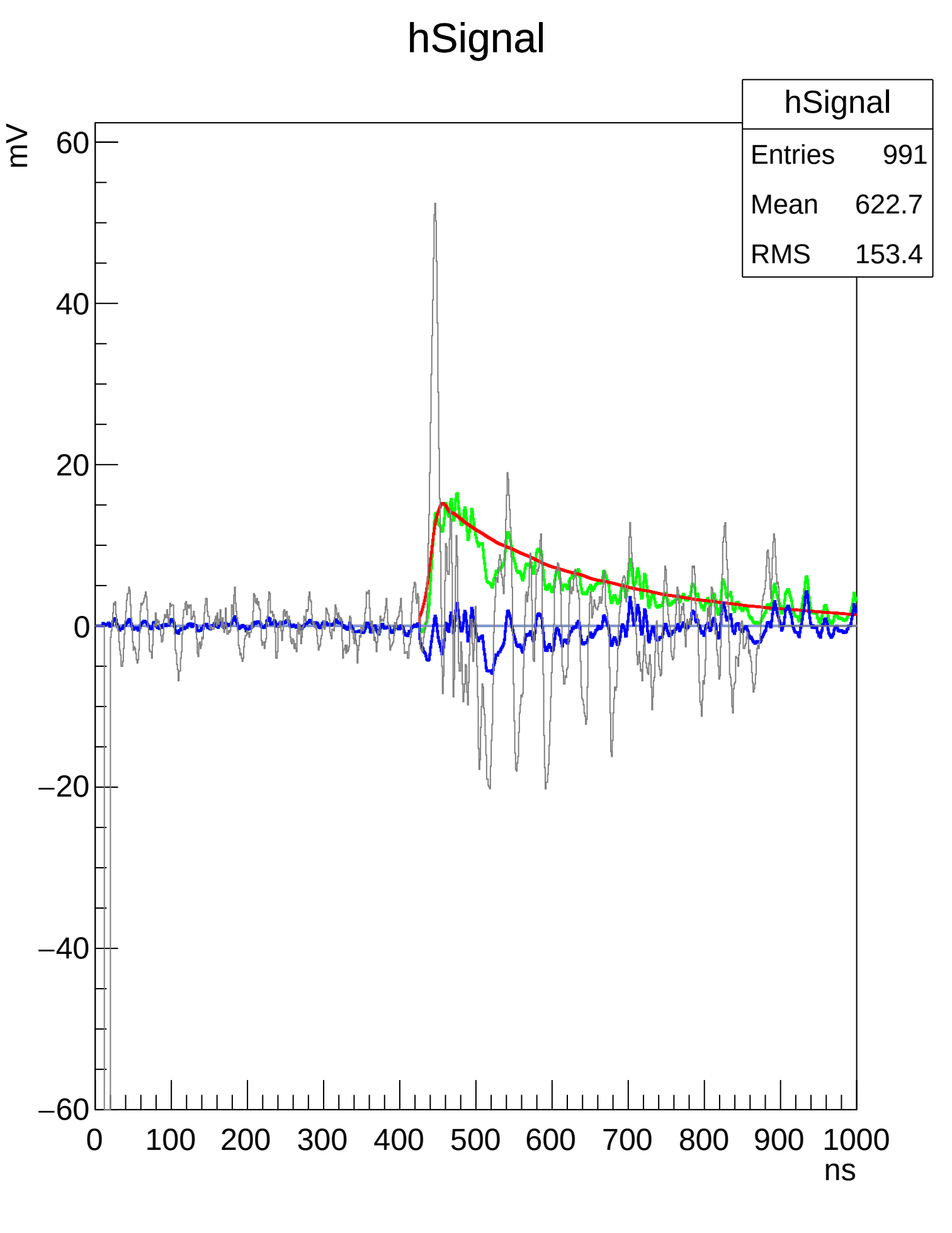
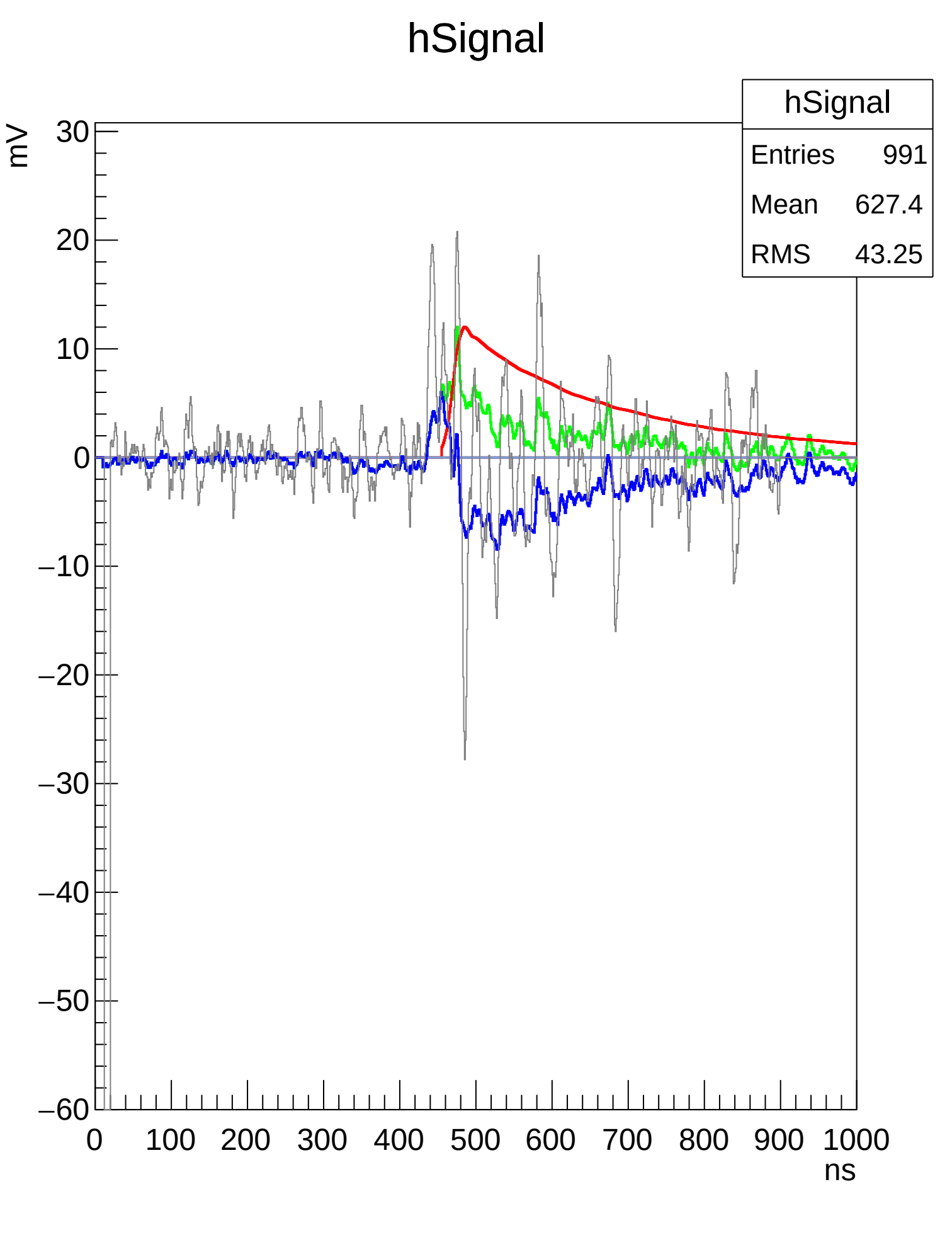
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.7
RMS 153.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.4
RMS 43.25
mV
30
20
10
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−50
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0
100
200
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400
500
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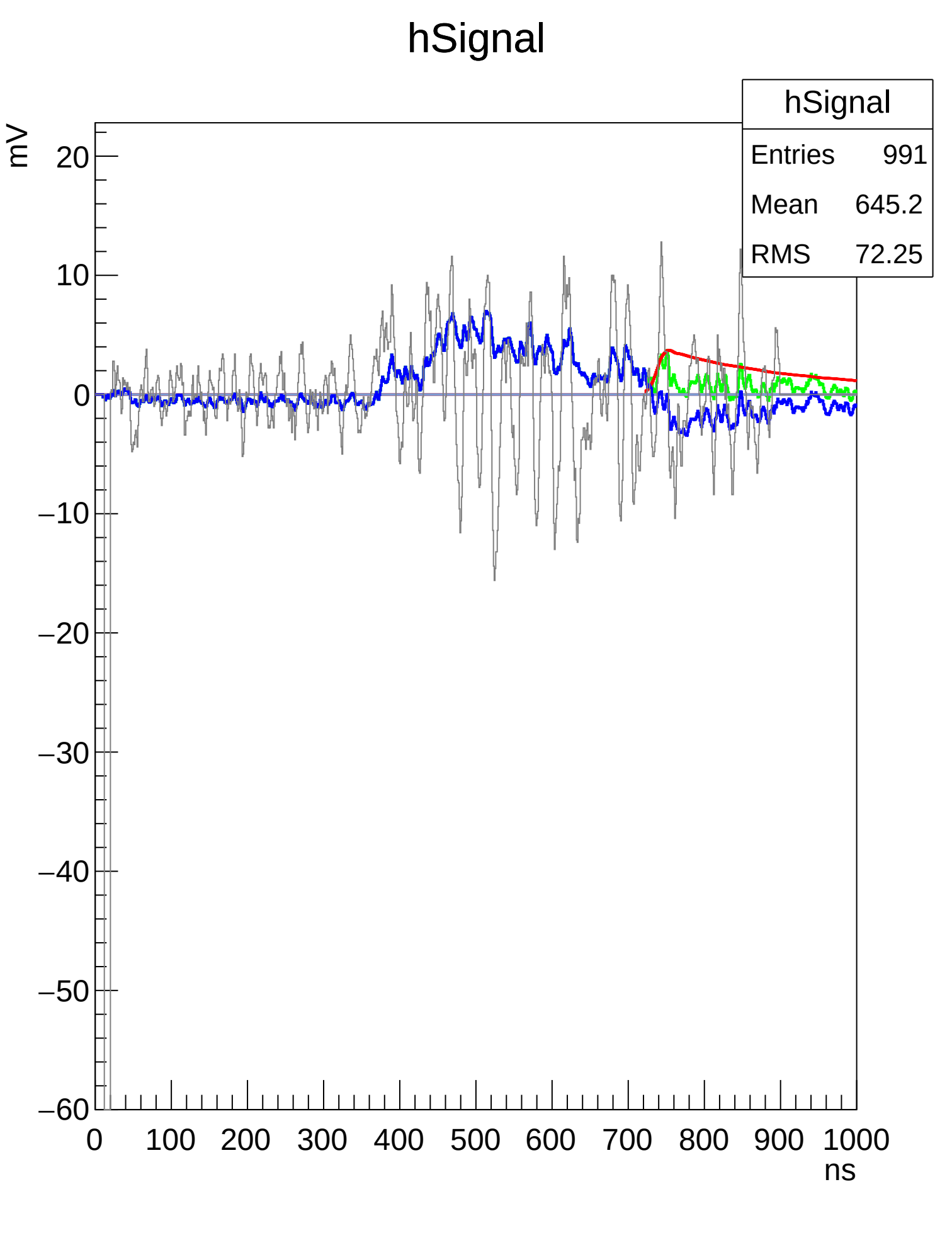
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 645.2
RMS 72.25
mV
20
10
0
−10
−20
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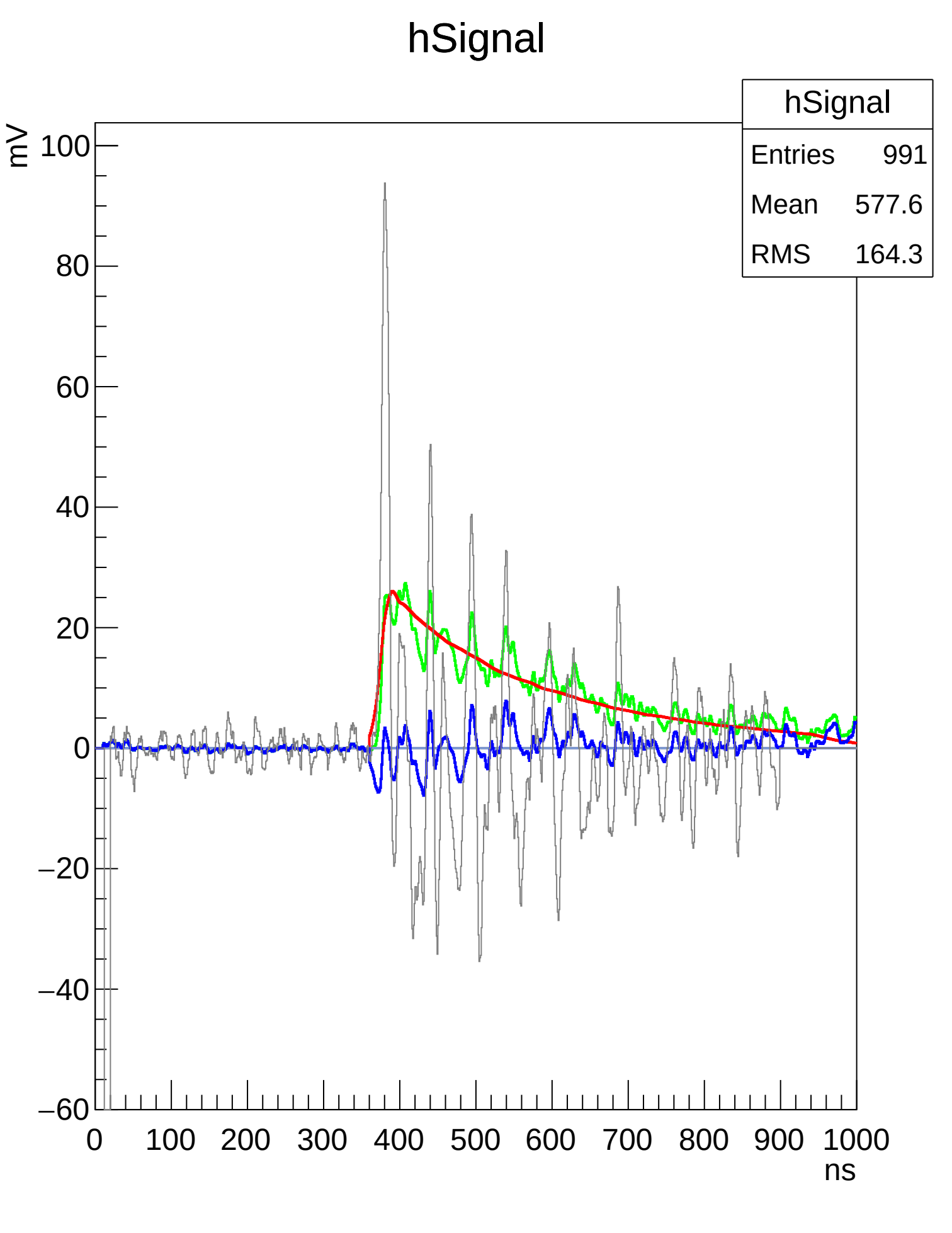
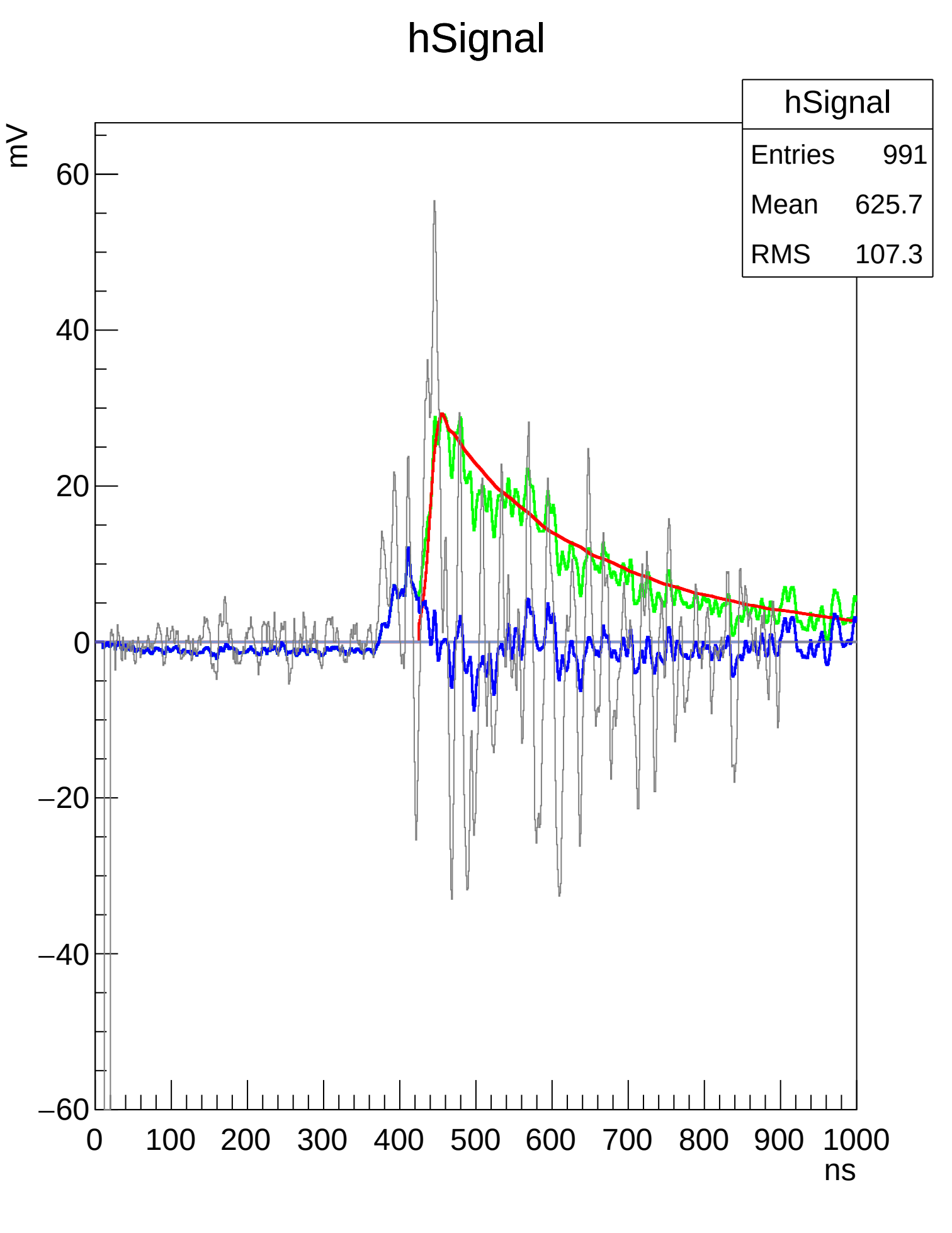
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.6
RMS 164.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.7
RMS 107.3
mV
60
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−20
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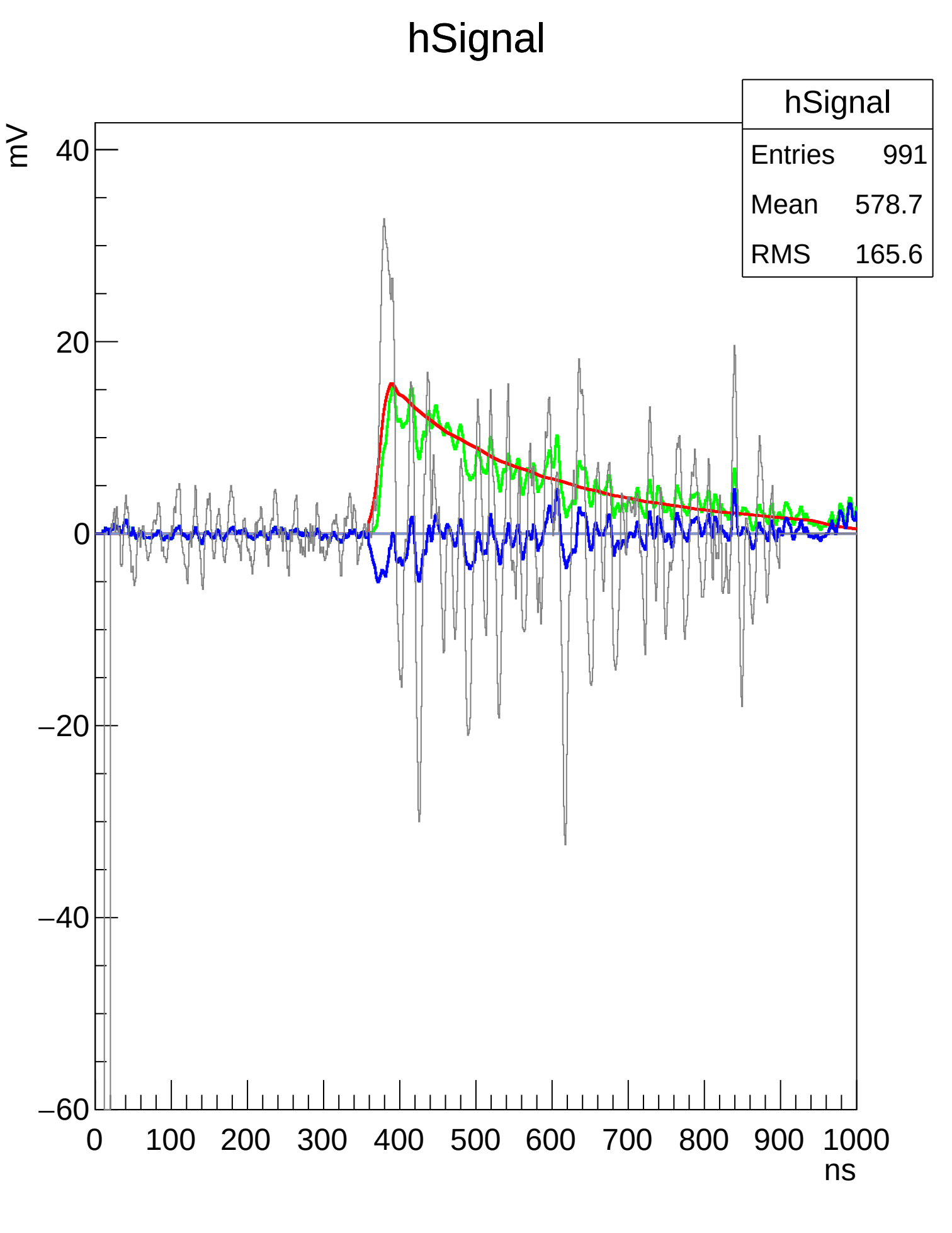
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 165.6
mV
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0
−20
−40
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0
100
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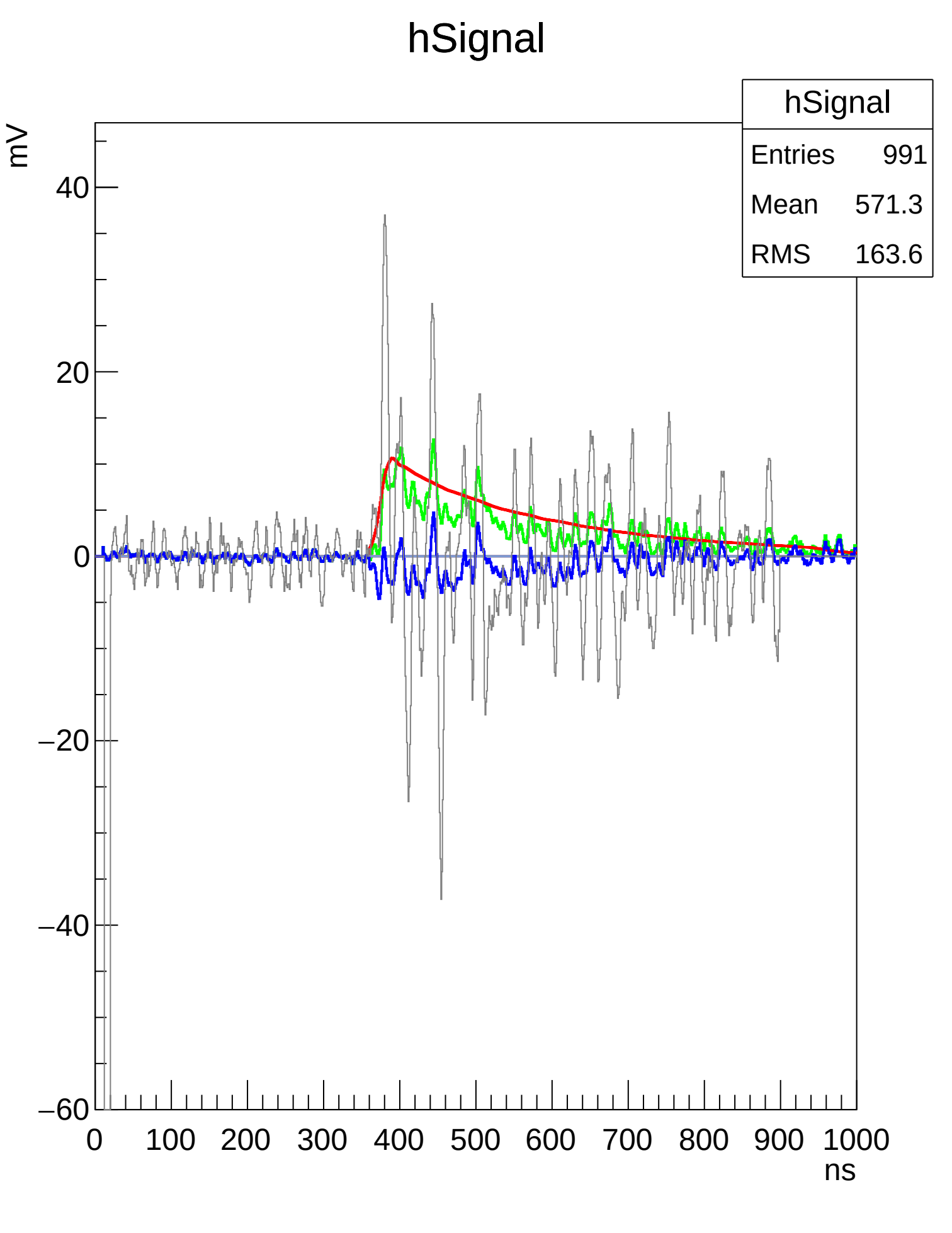
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.3
RMS 163.6
mV
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−20
−40
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0
100
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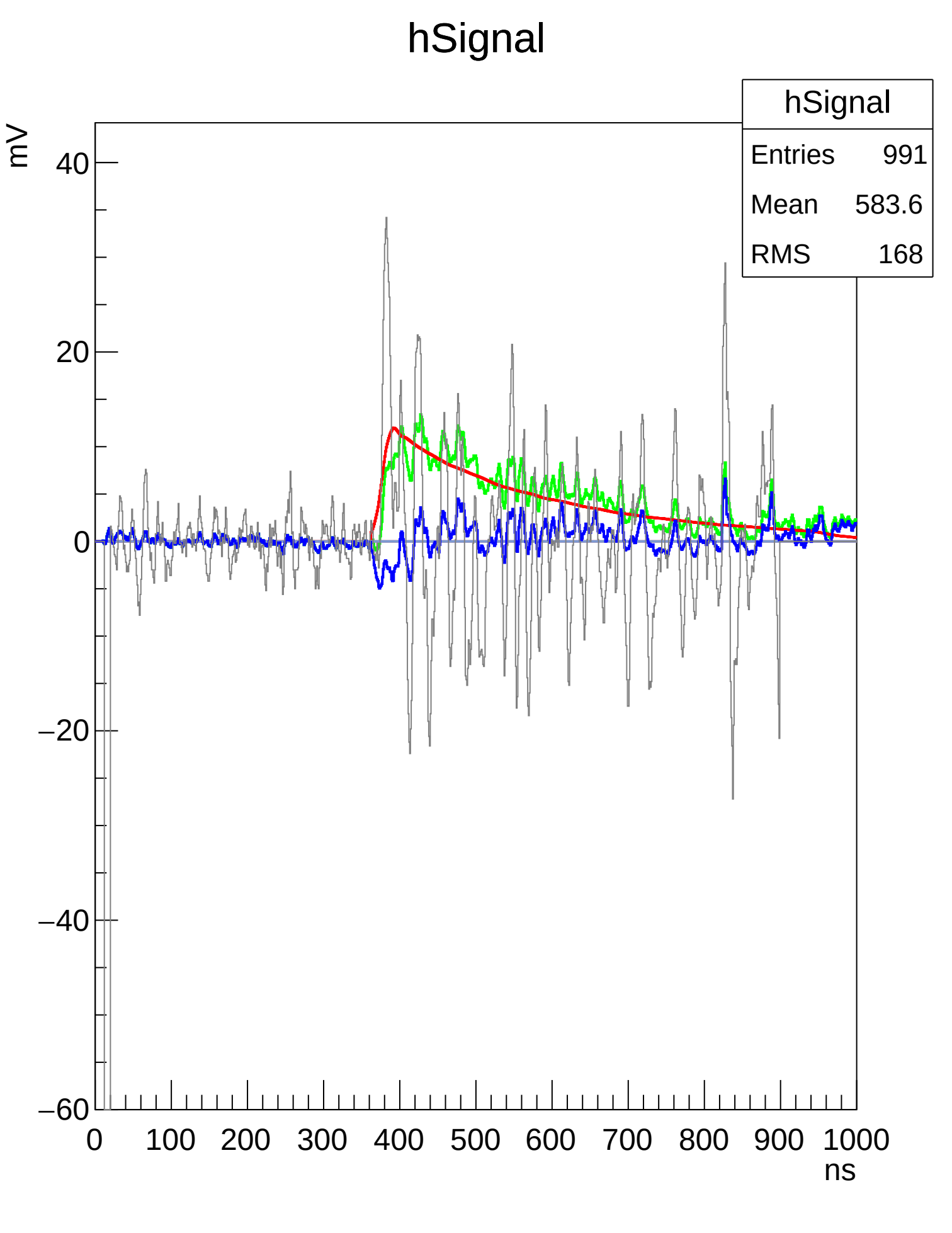
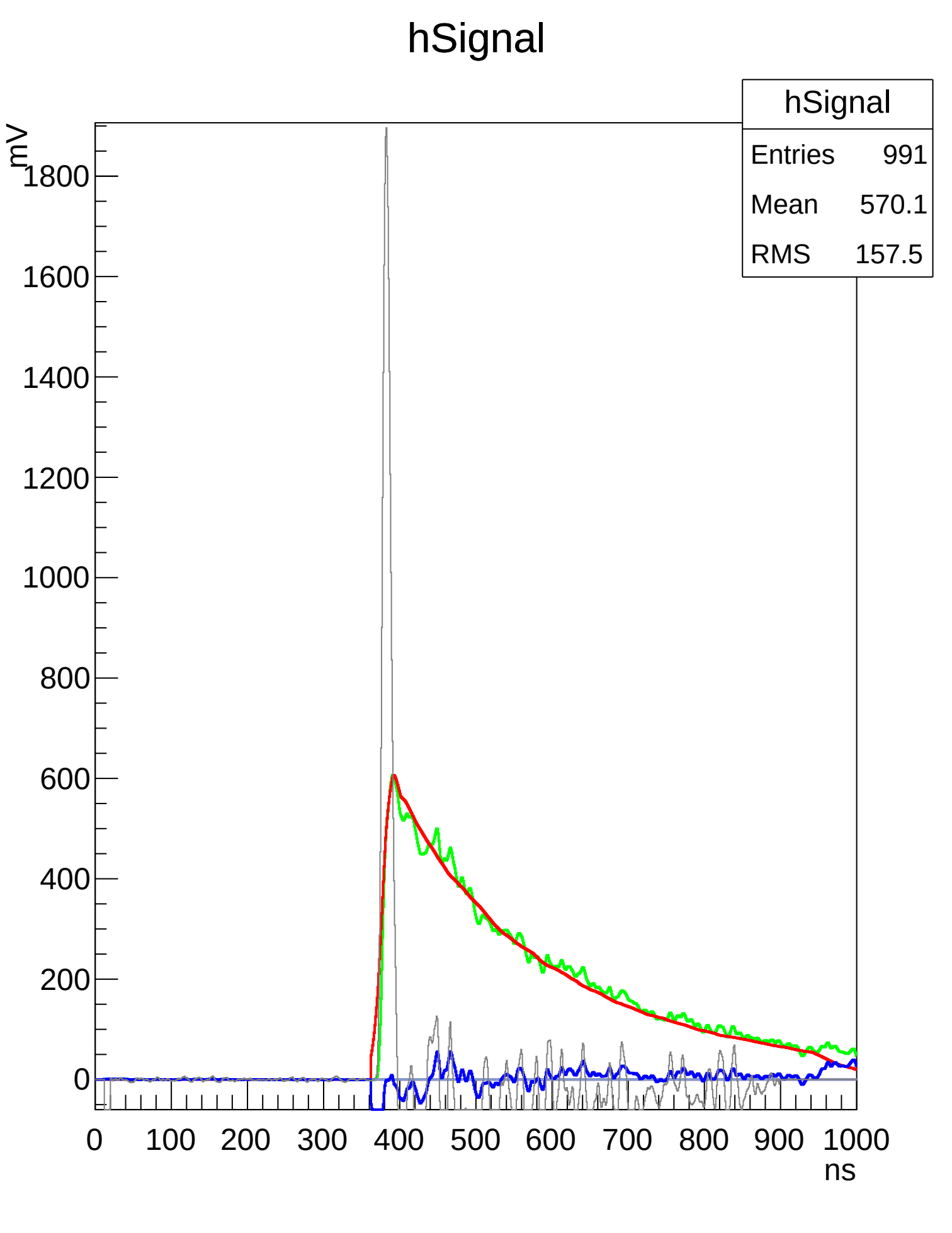
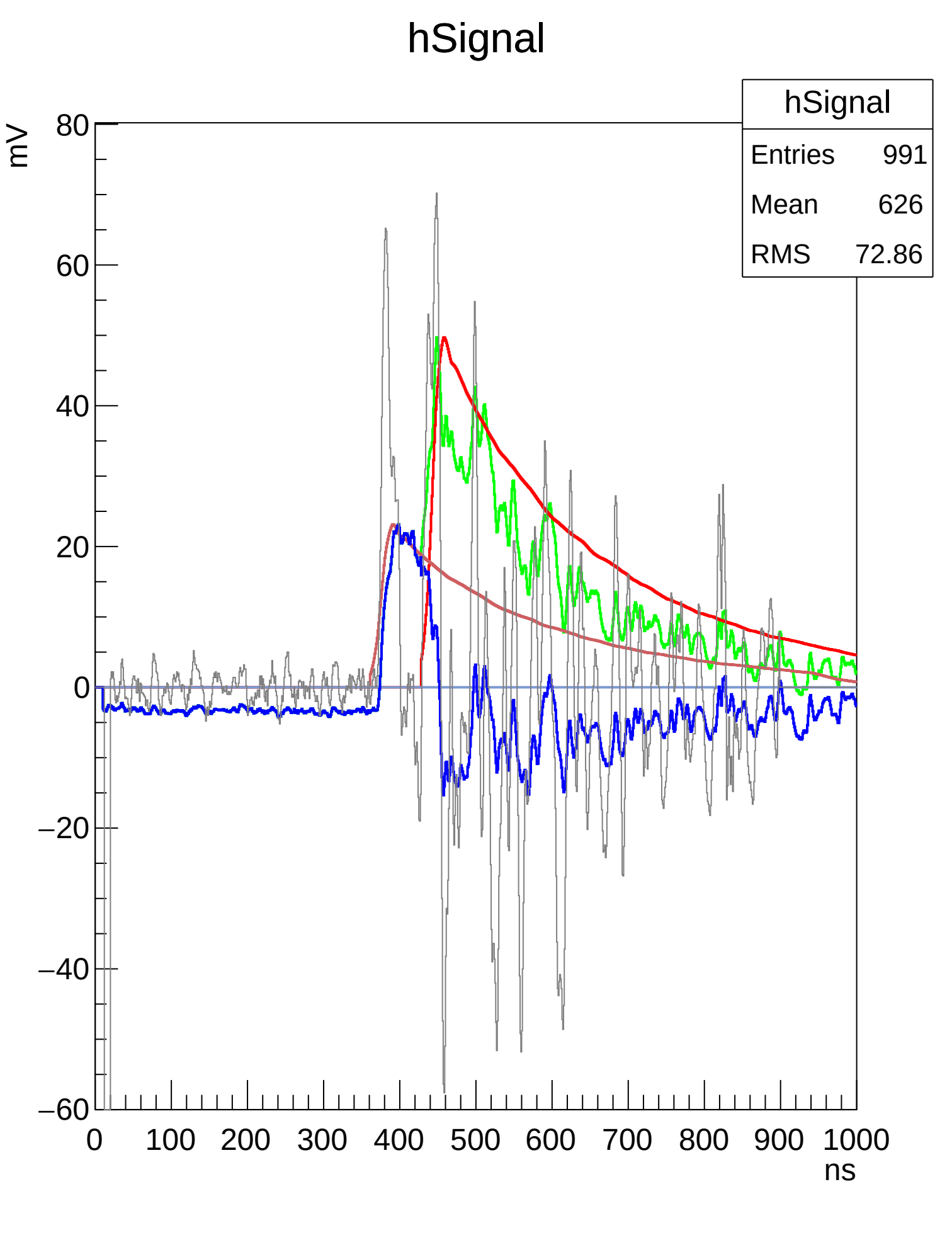
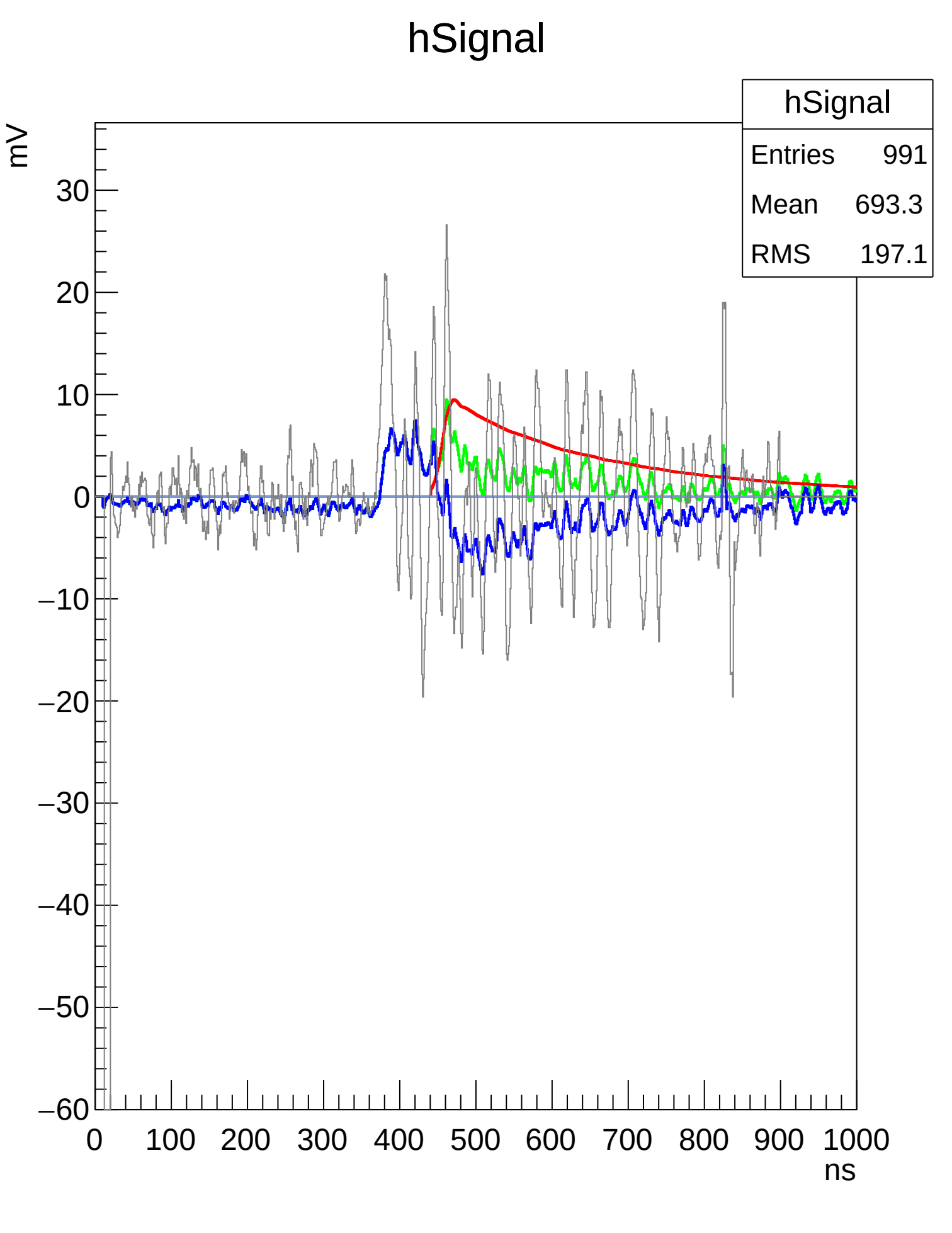
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.6
RMS 168
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.1
RMS 157.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 626
RMS 72.86
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 693.3
RMS 197.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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800
900
1000
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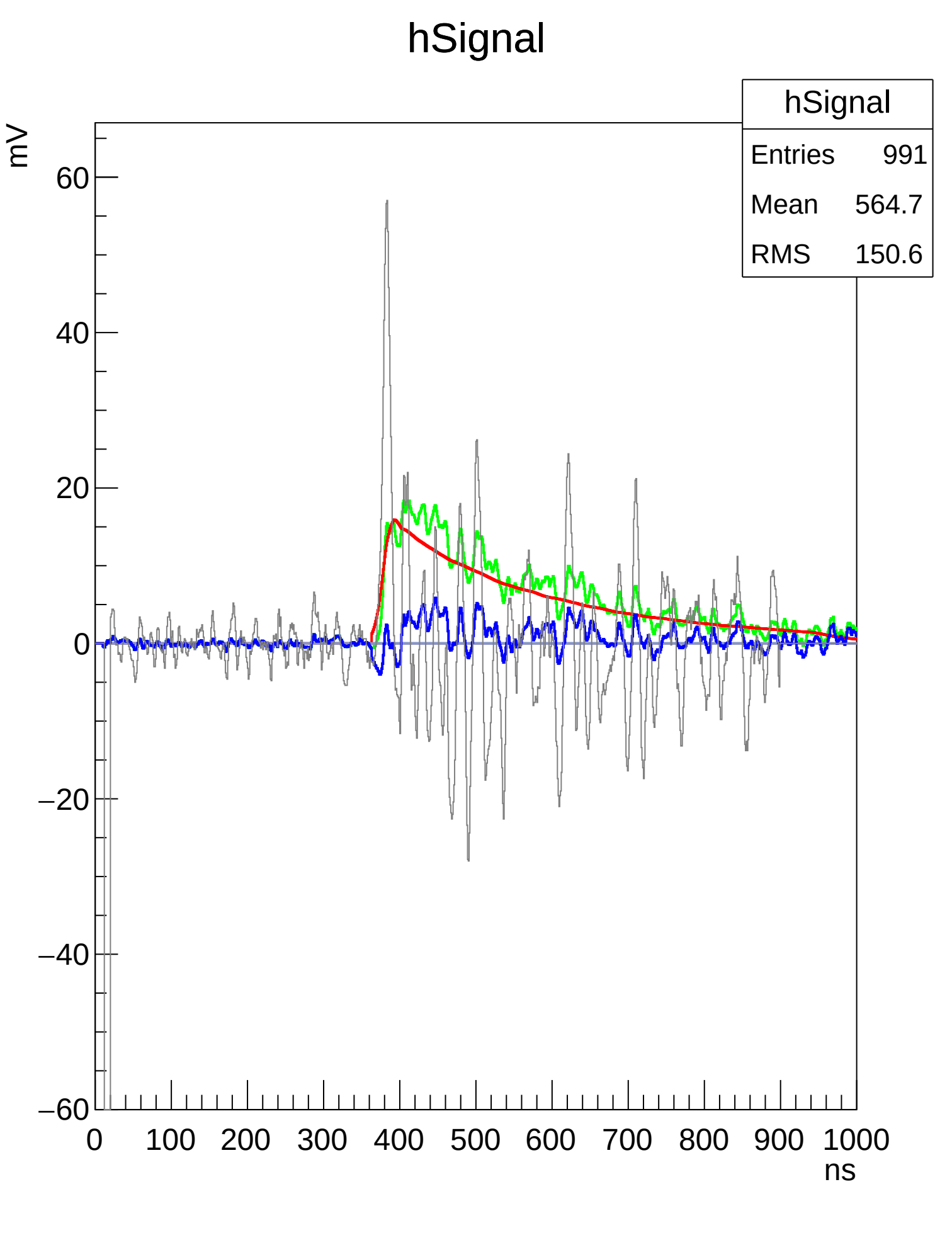
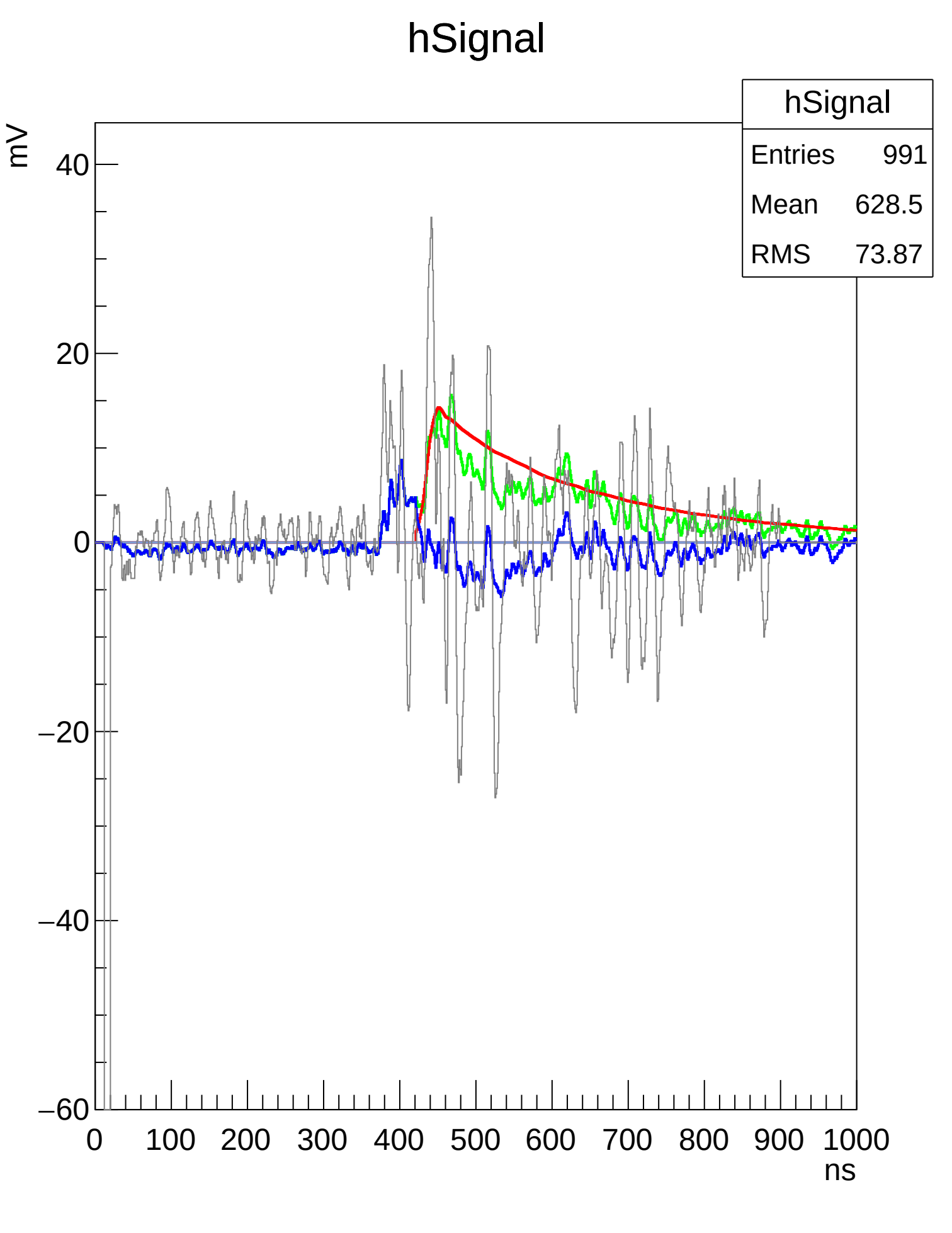
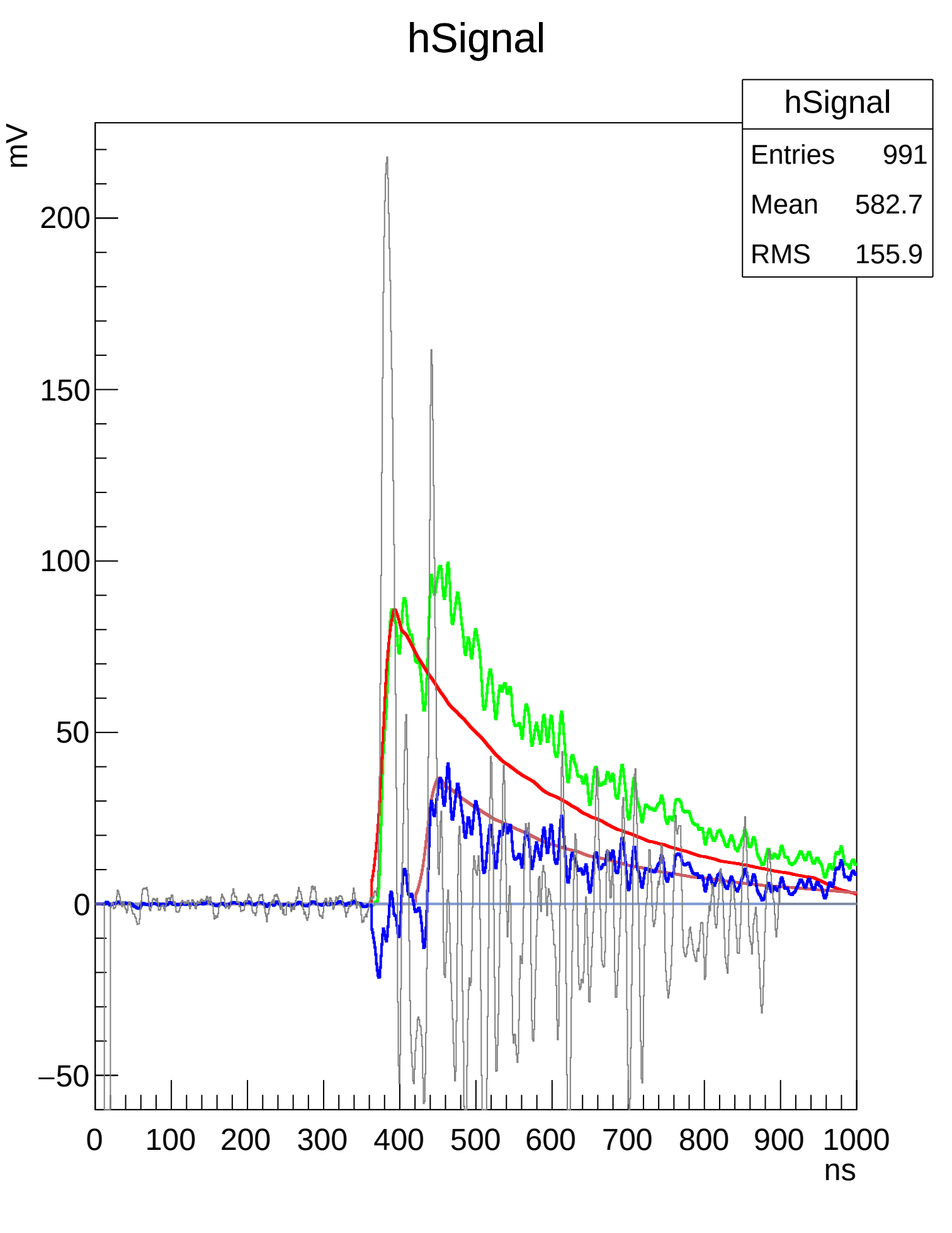

hSignal
hSignal
Entries 991
Mean 564.7
RMS 150.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 628.5
RMS 73.87
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.7
RMS 155.9
mV
200
150
100
50
0
−50
0
100
200
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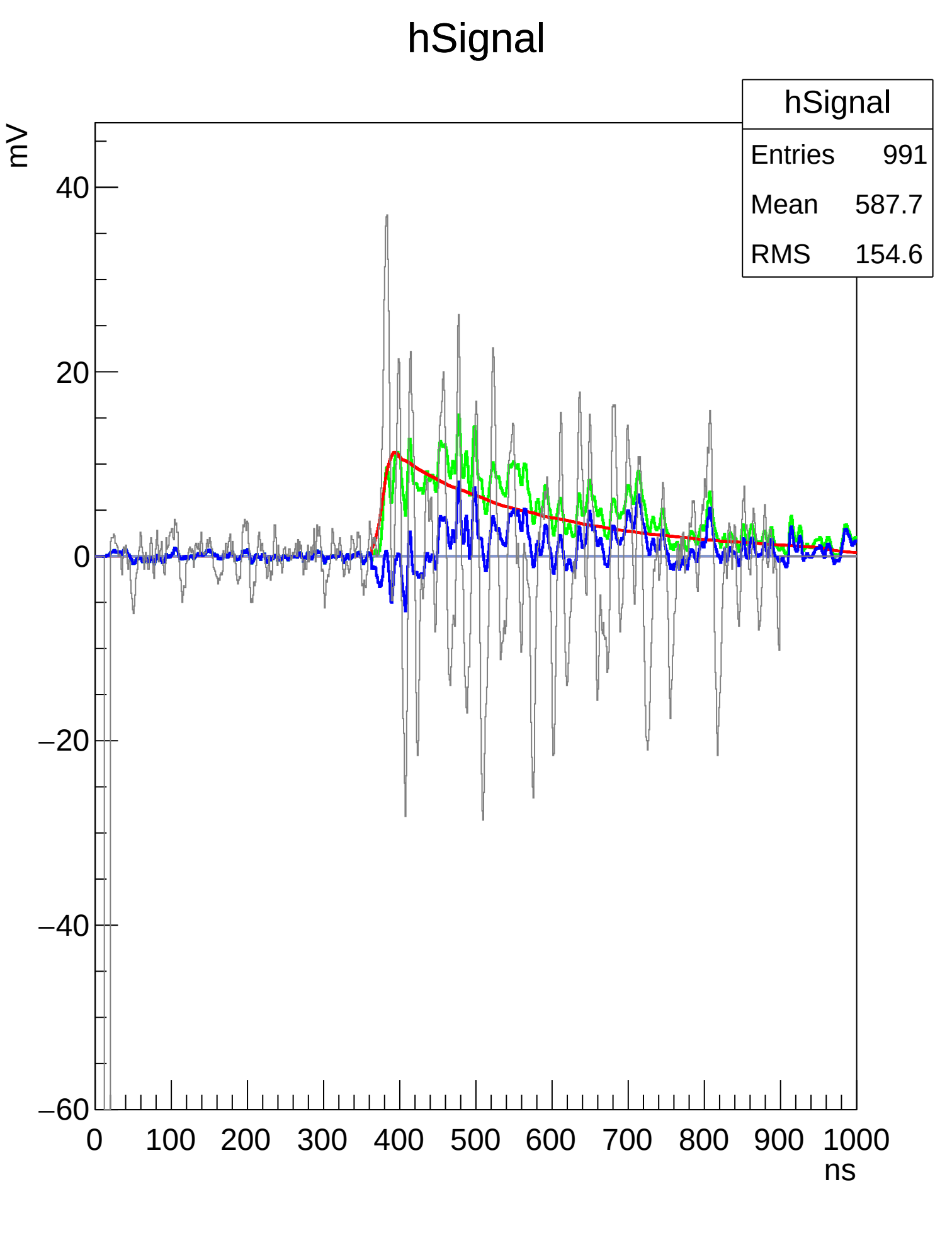
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.7
RMS 154.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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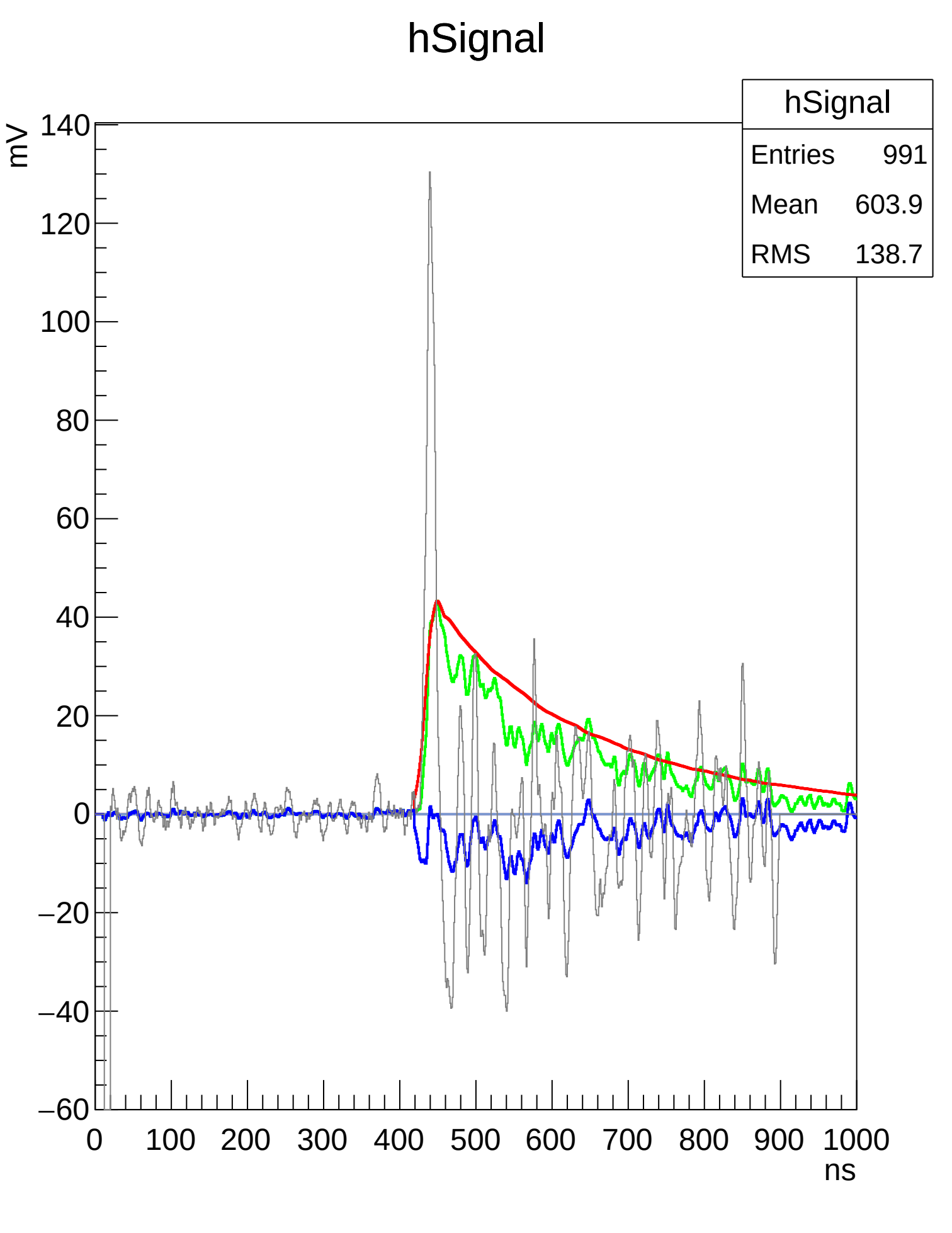
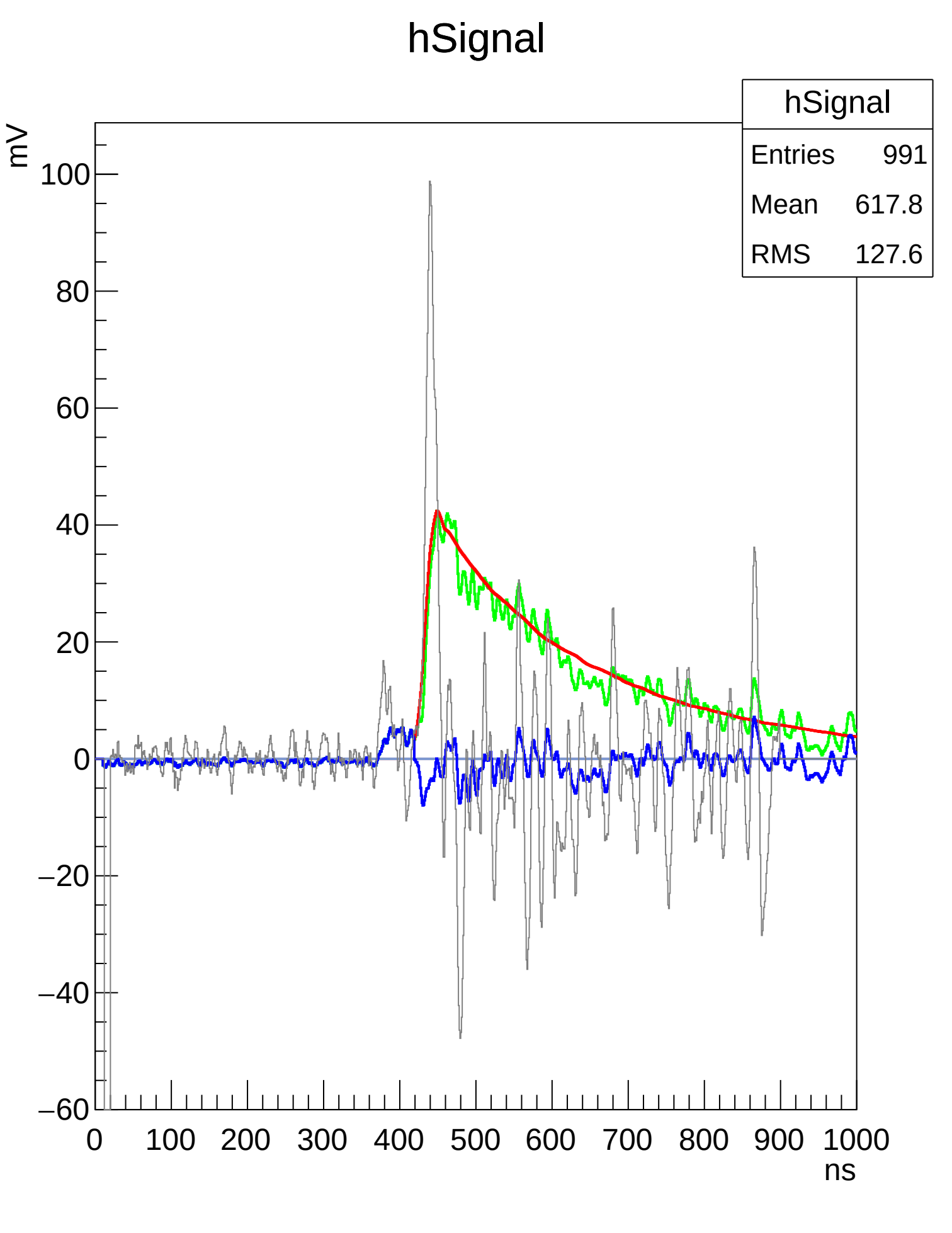
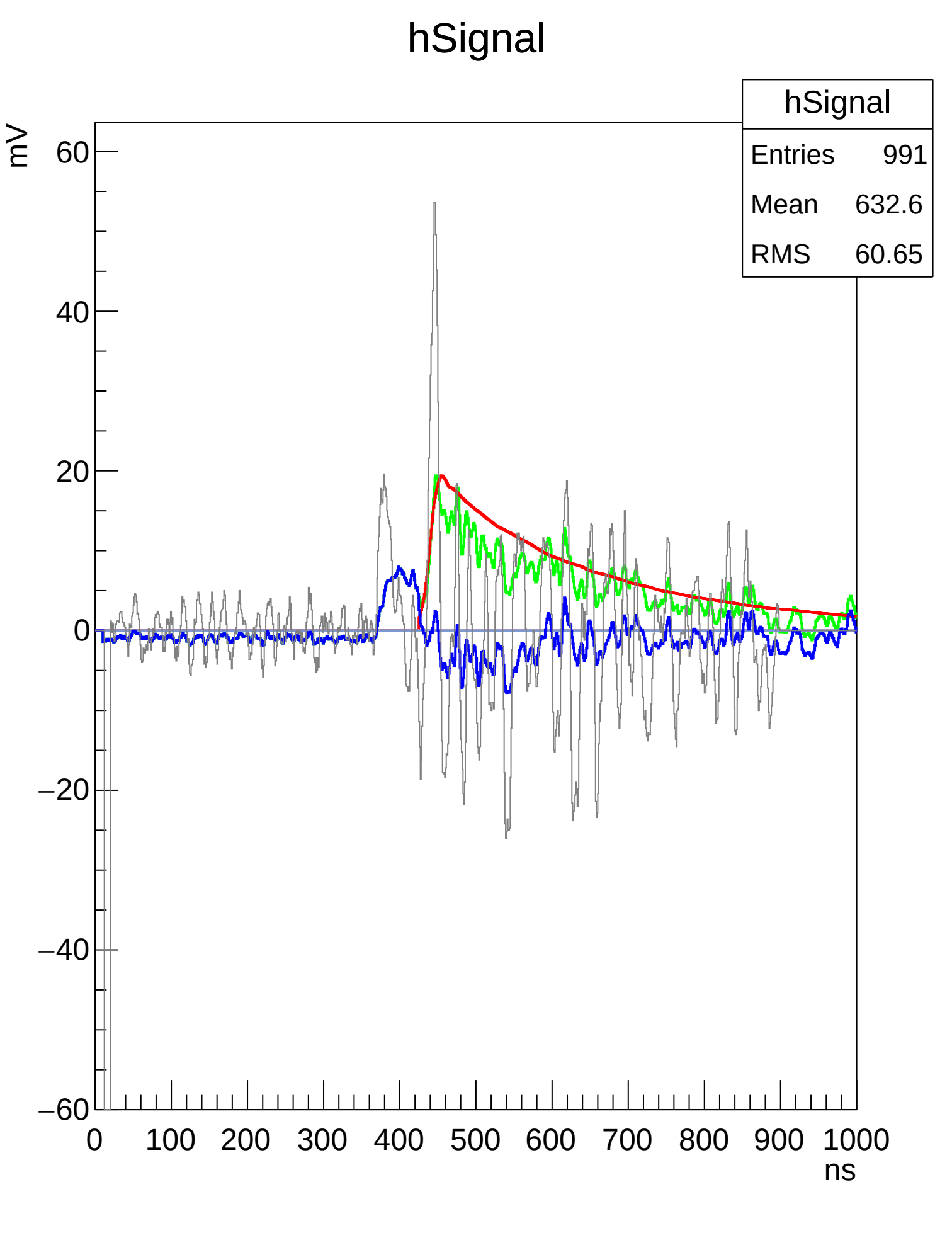
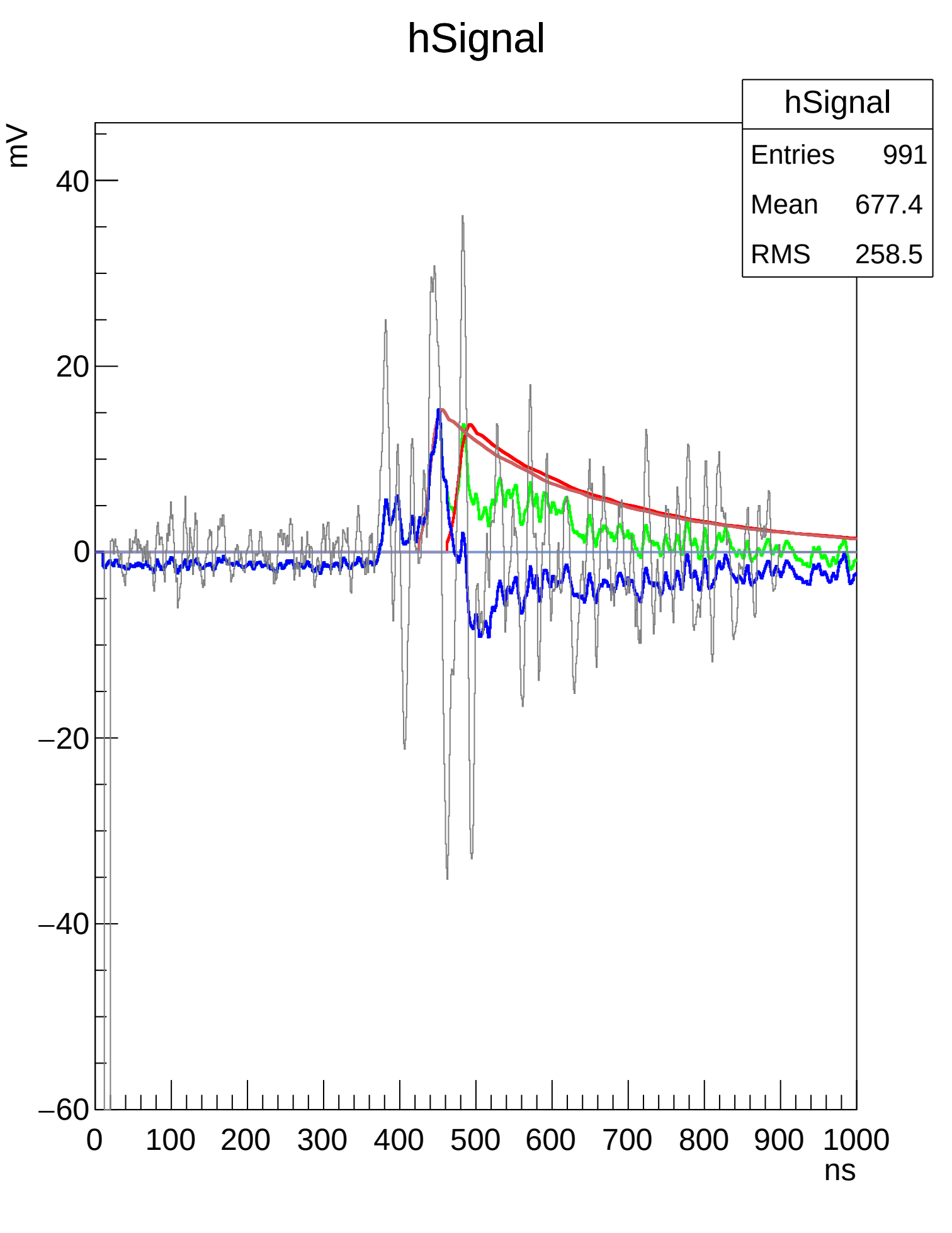
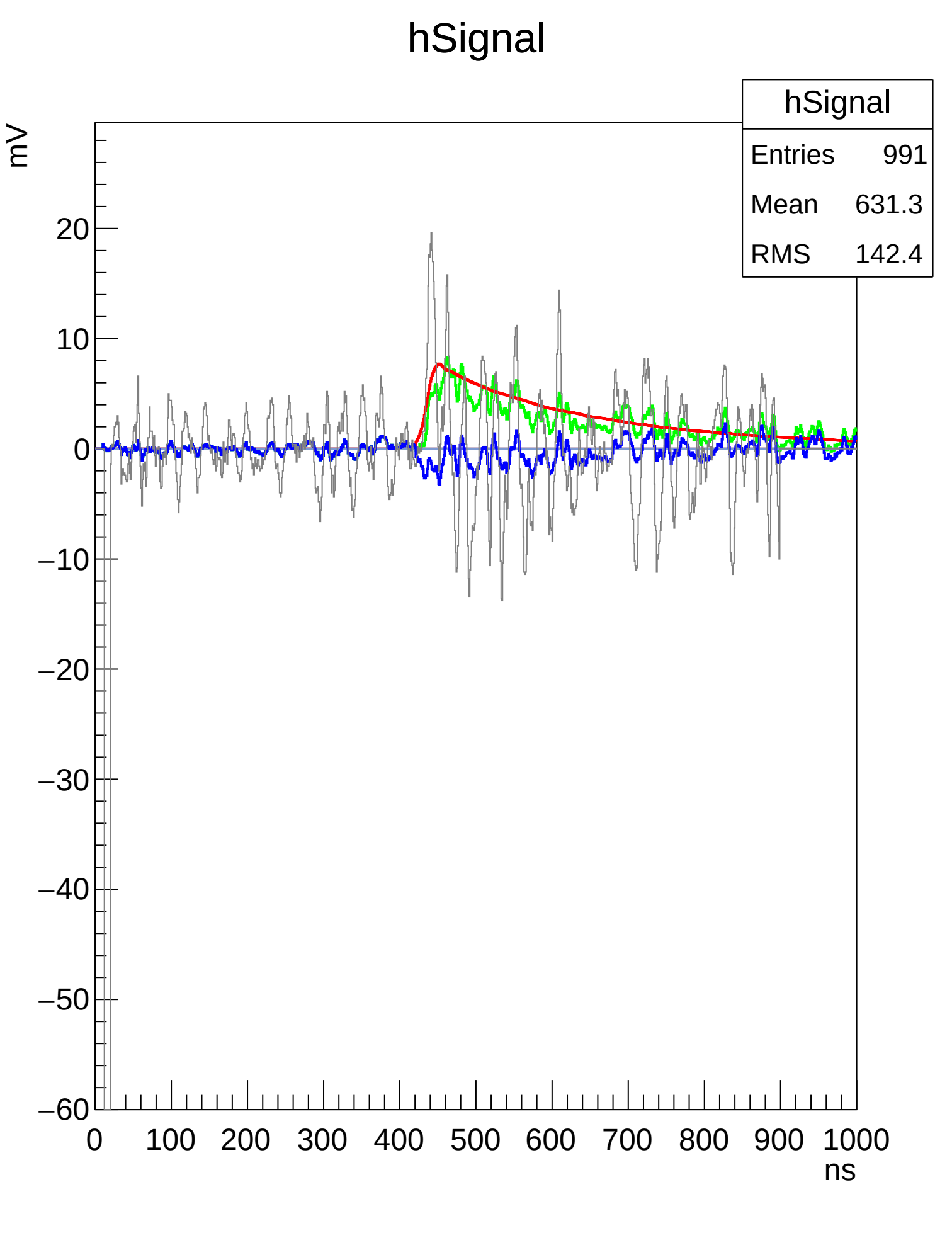
600
700
800
900
1000
ns

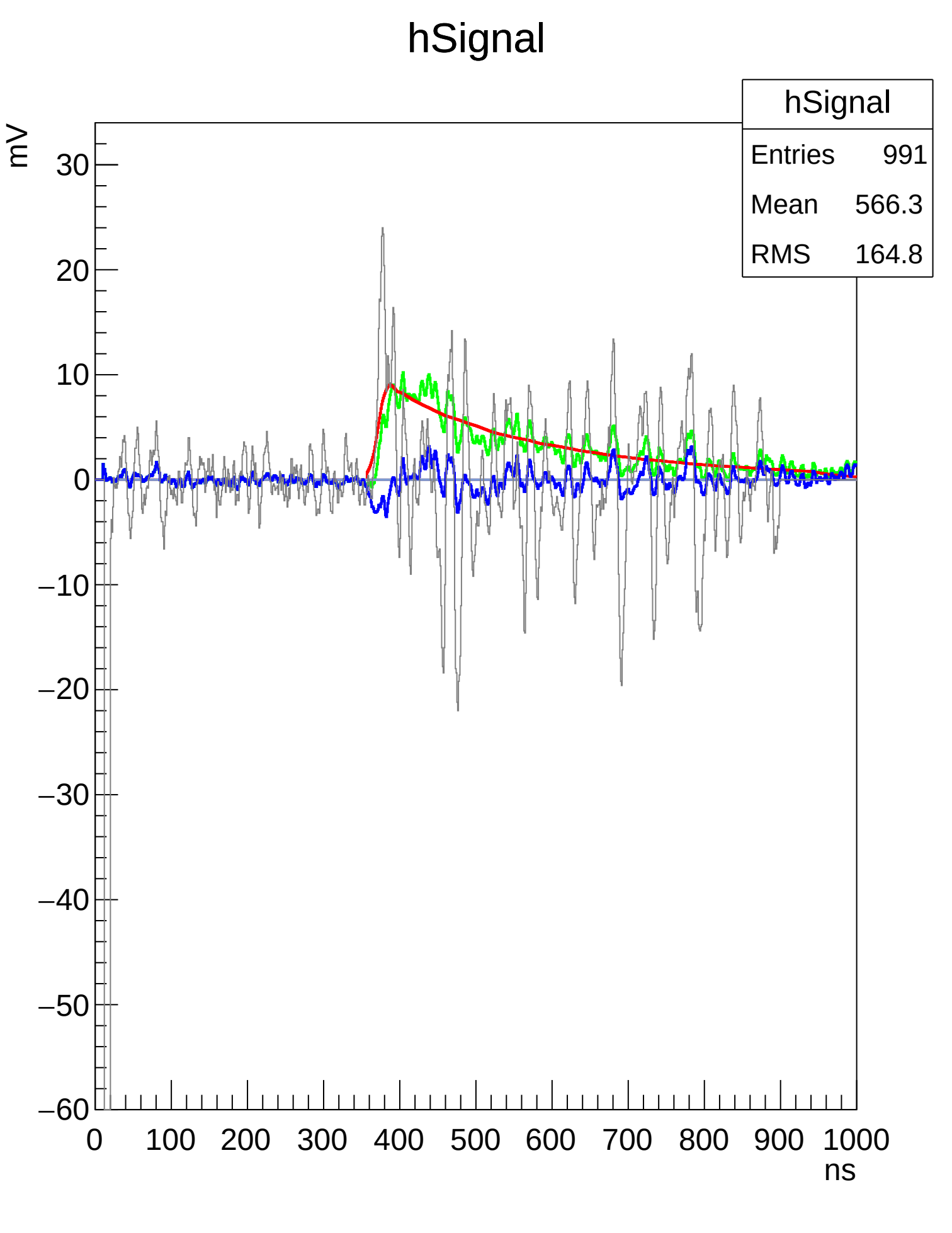

hSignal
hSignal
Entries 991
Mean 603.9
RMS 138.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

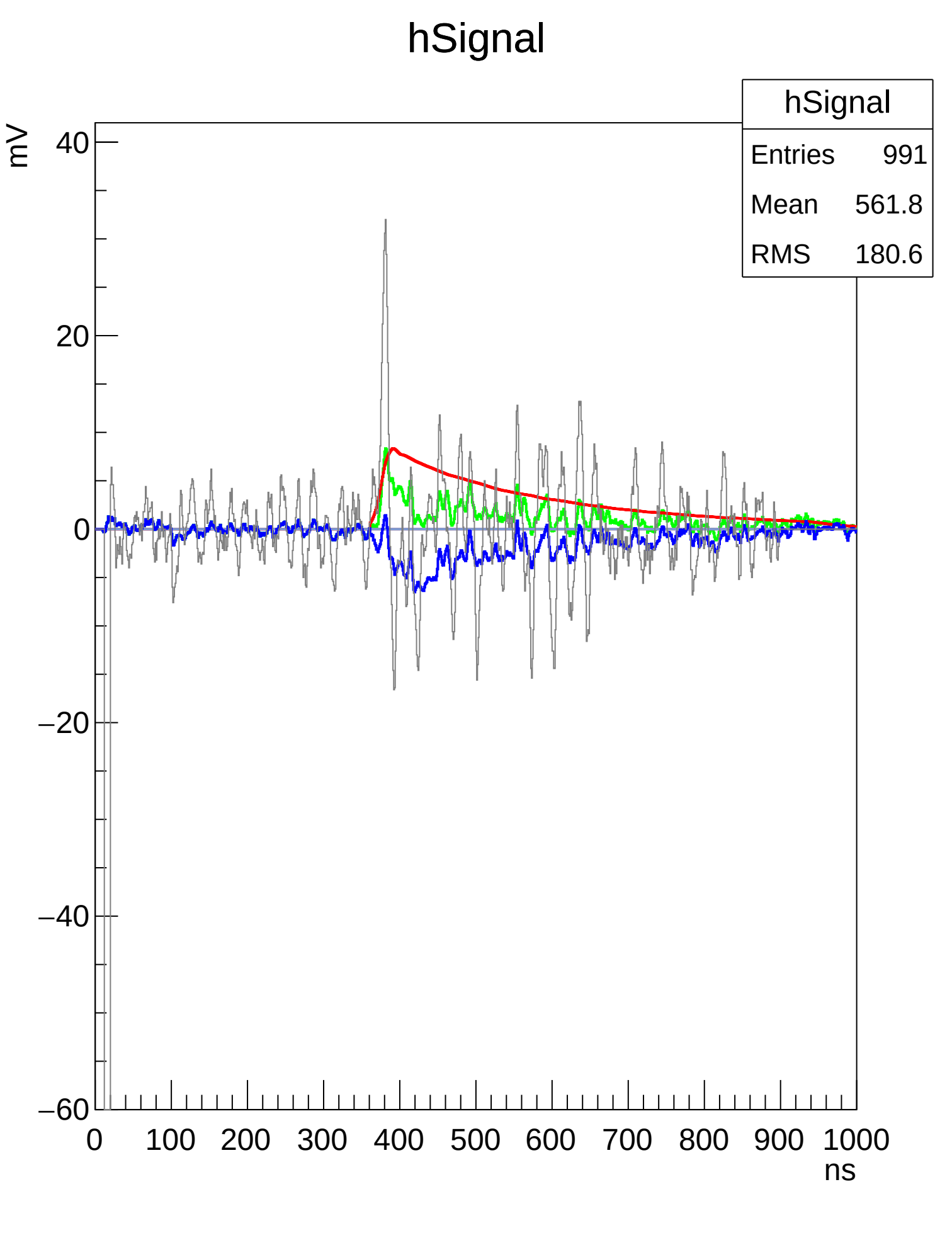

hSignal
hSignal
Entries 991
Mean 617.8
RMS 127.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 632.6
RMS 60.65
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 677.4
RMS 258.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 631.3
RMS 142.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.3
RMS 164.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.8
RMS 180.6
mV
40
20
0
−20
−40
−60
0
100
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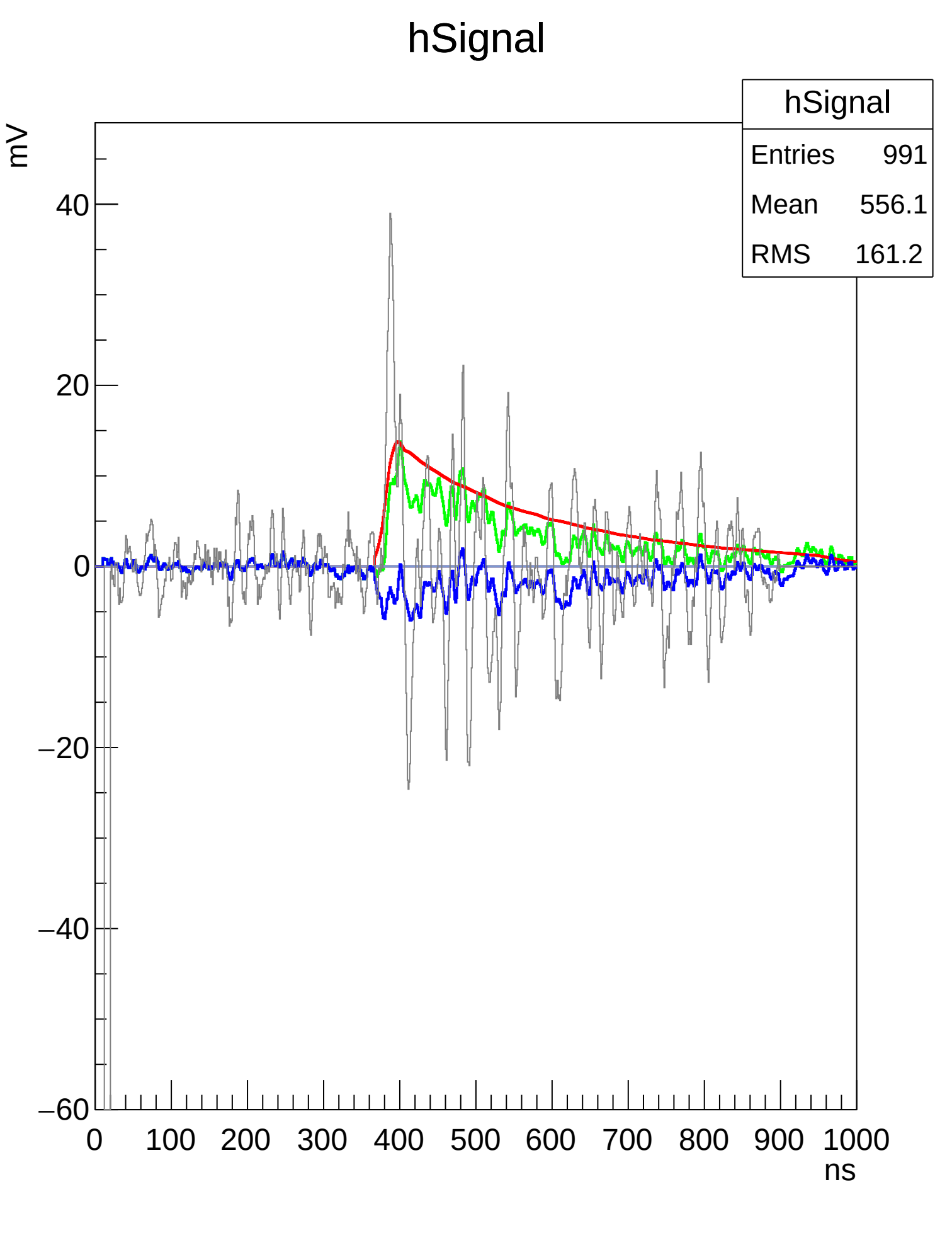
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.1
RMS 161.2
mV
40
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0
−20
−40
−60
0
100
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400
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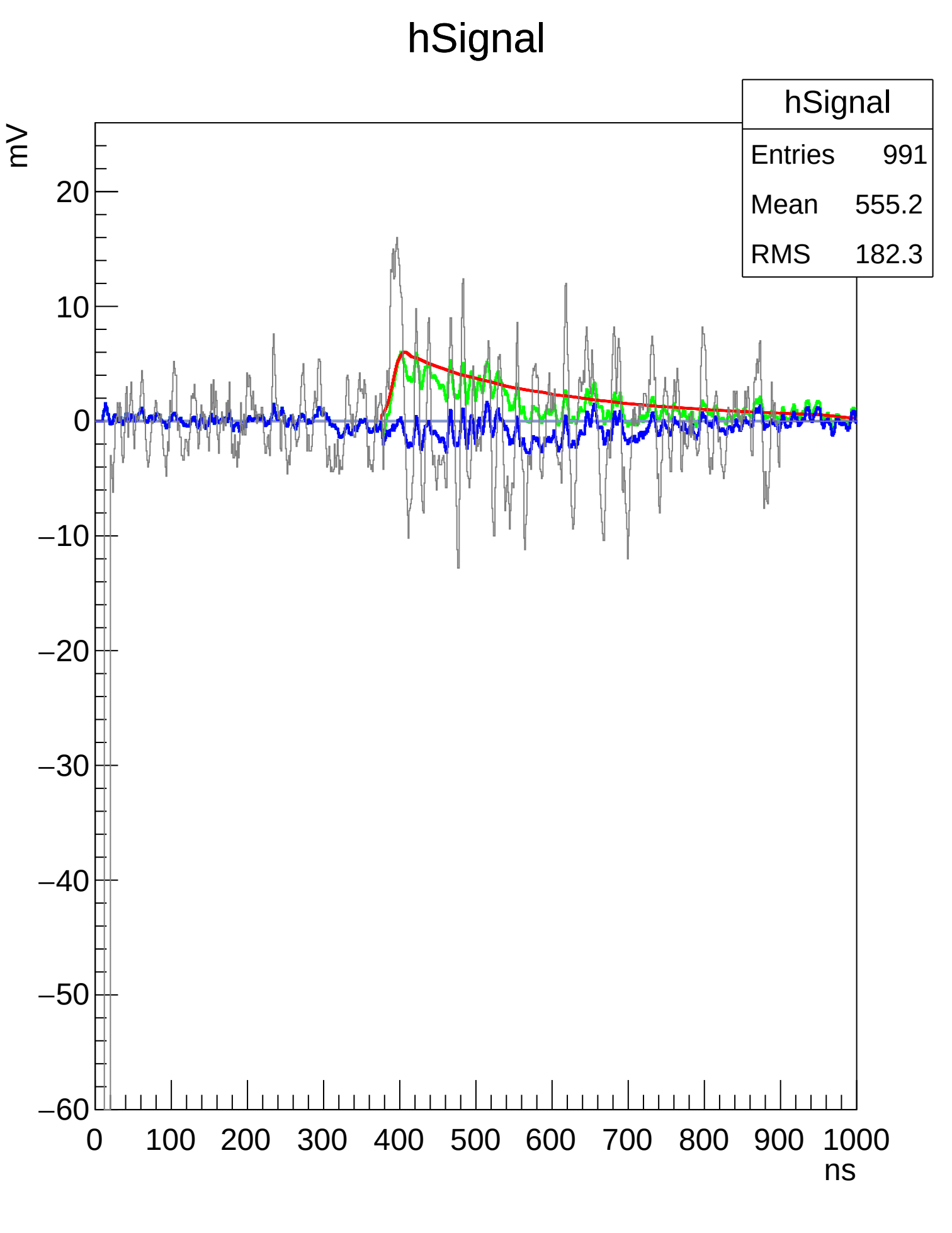
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.2
RMS 182.3
mV
20
10
0
−10
−20
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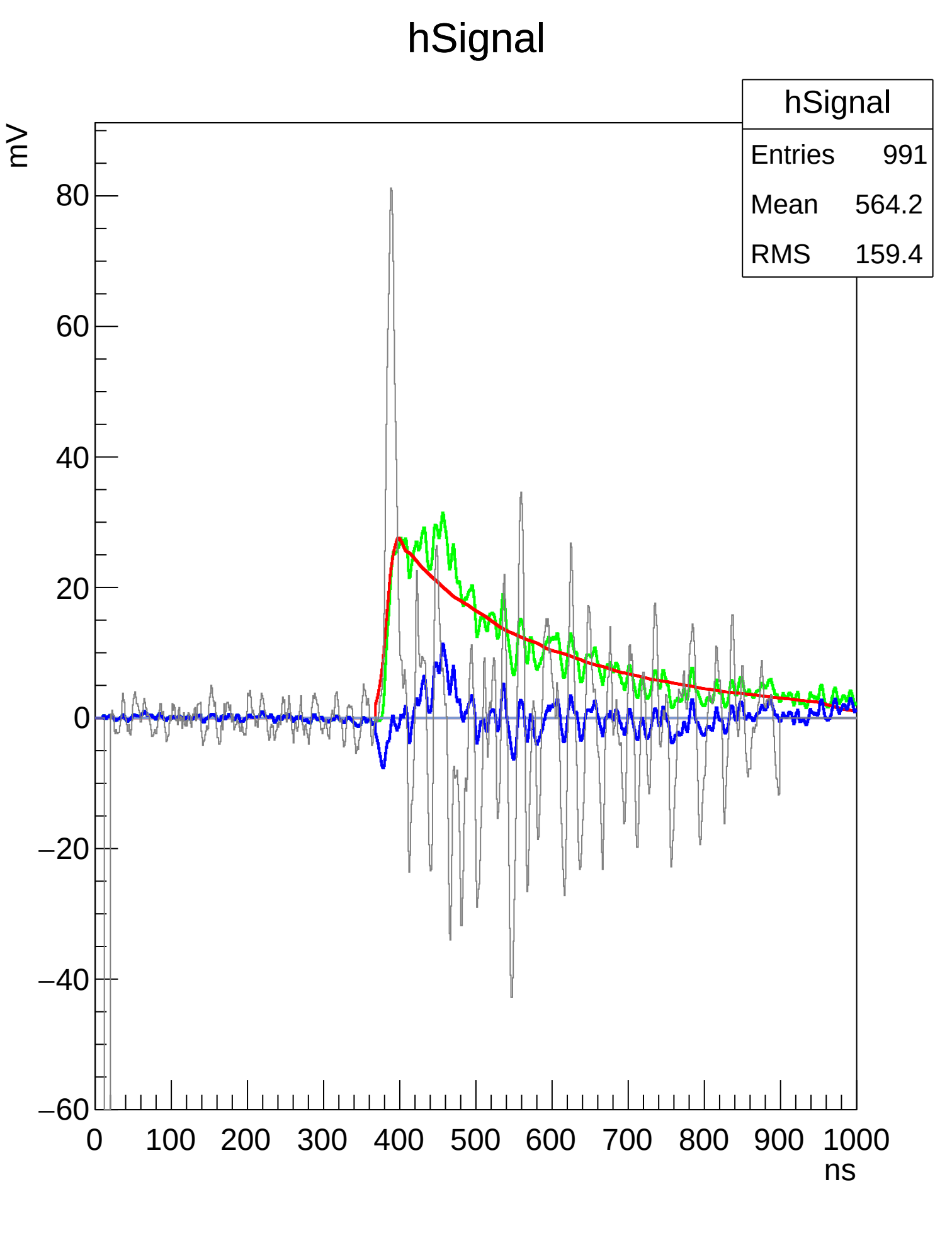
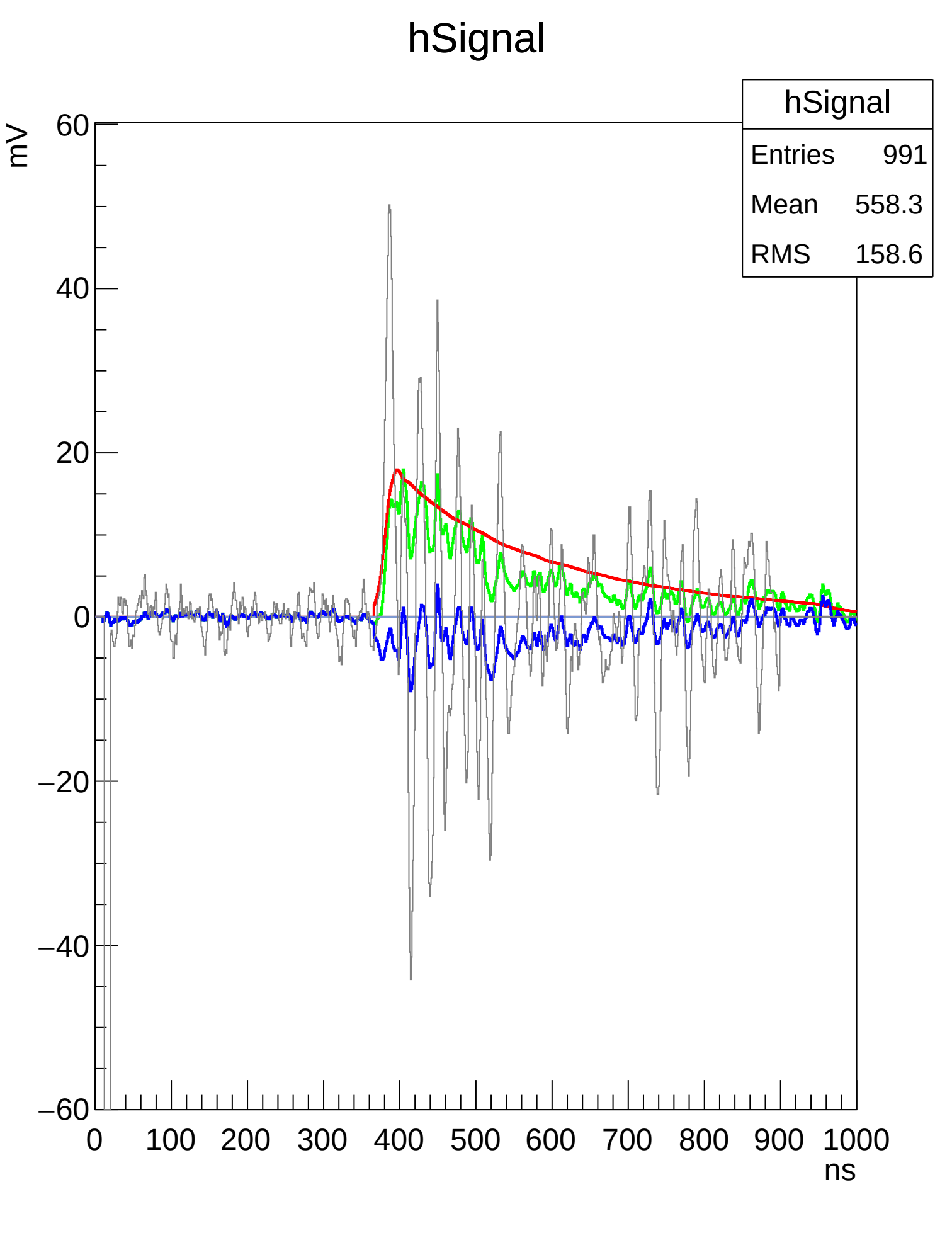
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.2
RMS 159.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.3
RMS 158.6
mV
60
40
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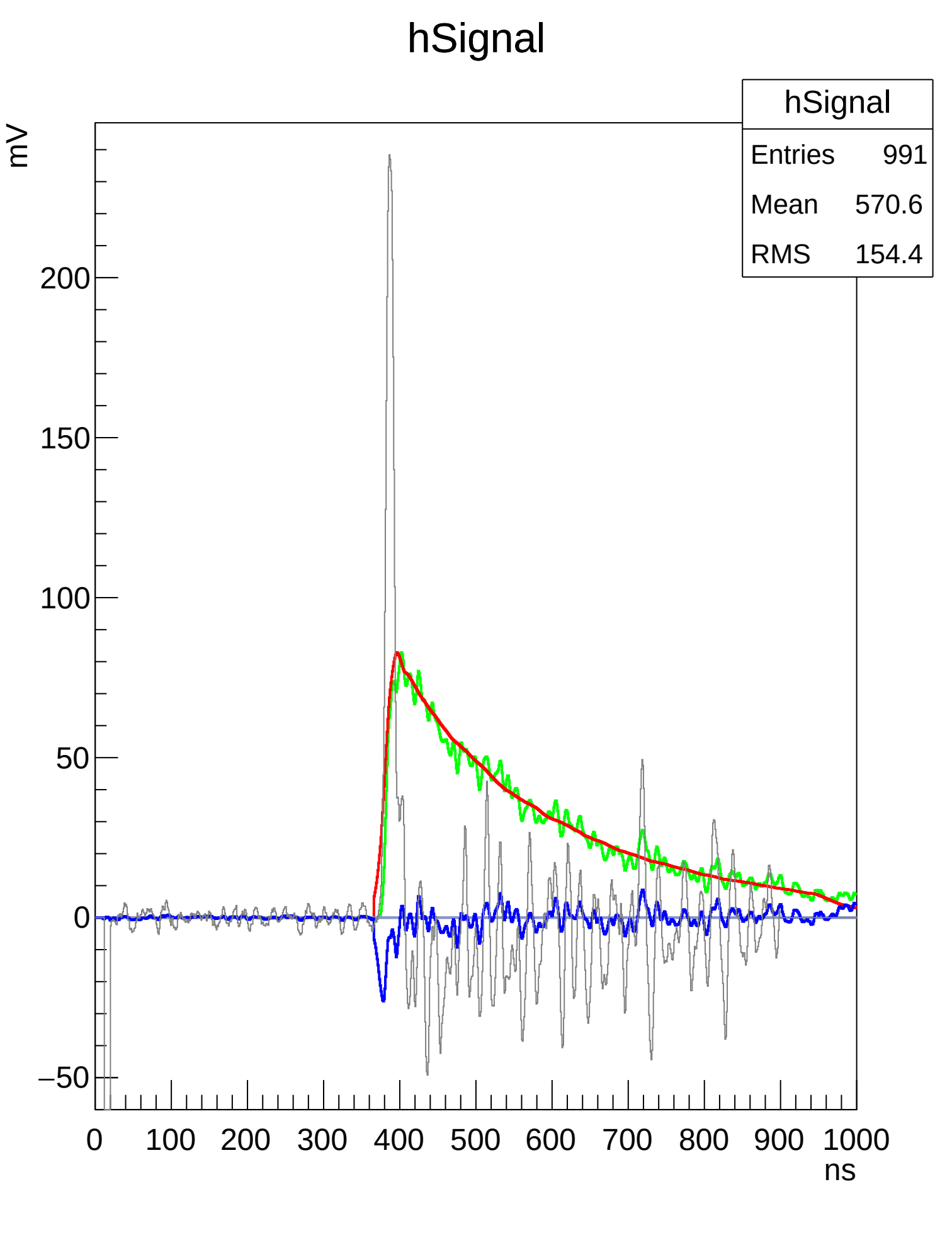
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.6
RMS 154.4
mV
200
150
100
50
0
−50
0
100
200
300
400
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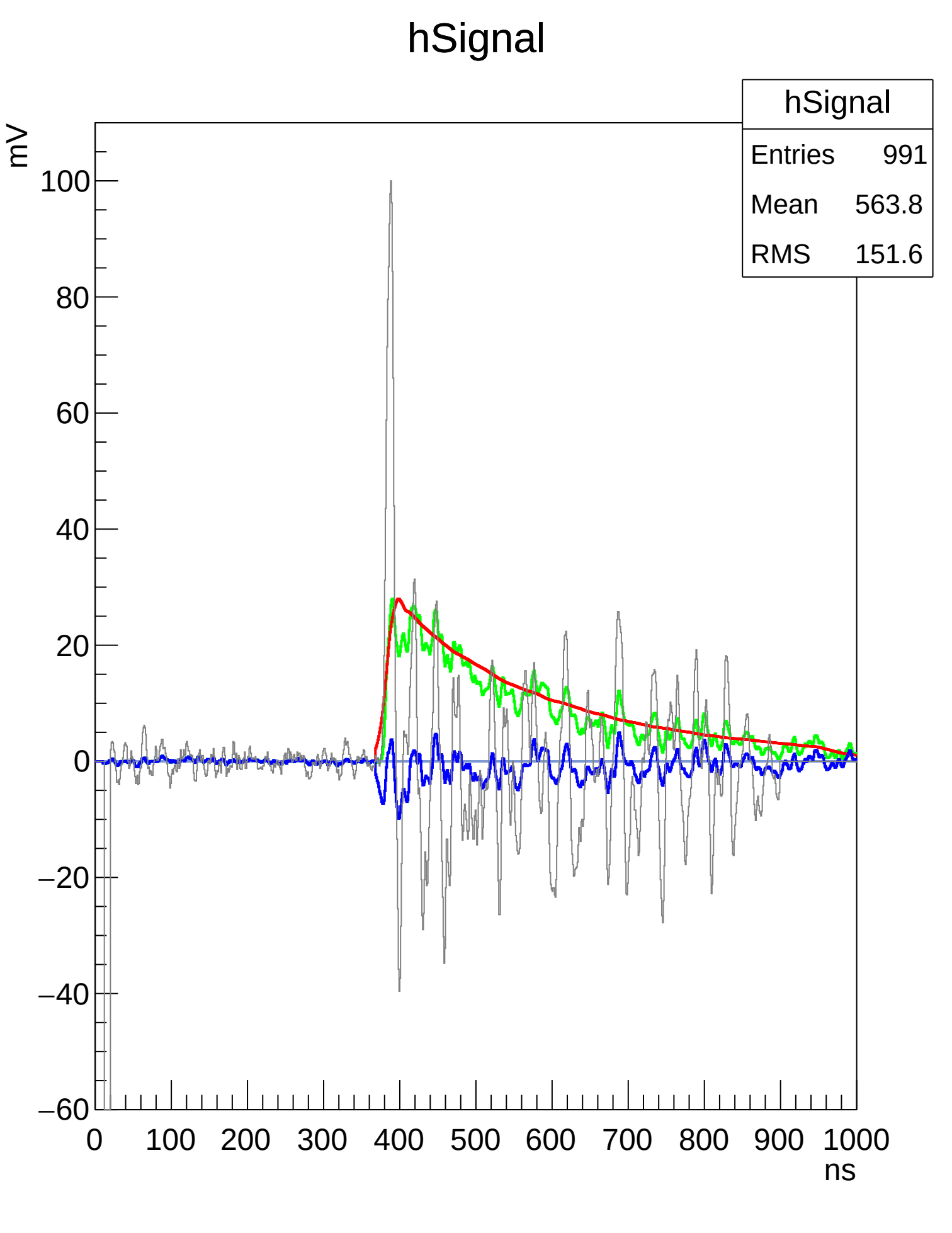
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.8
RMS 151.6
mV
100
80
60
40
20
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−20
−40
−60
0
100
200
300
400
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600
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800
900
1000
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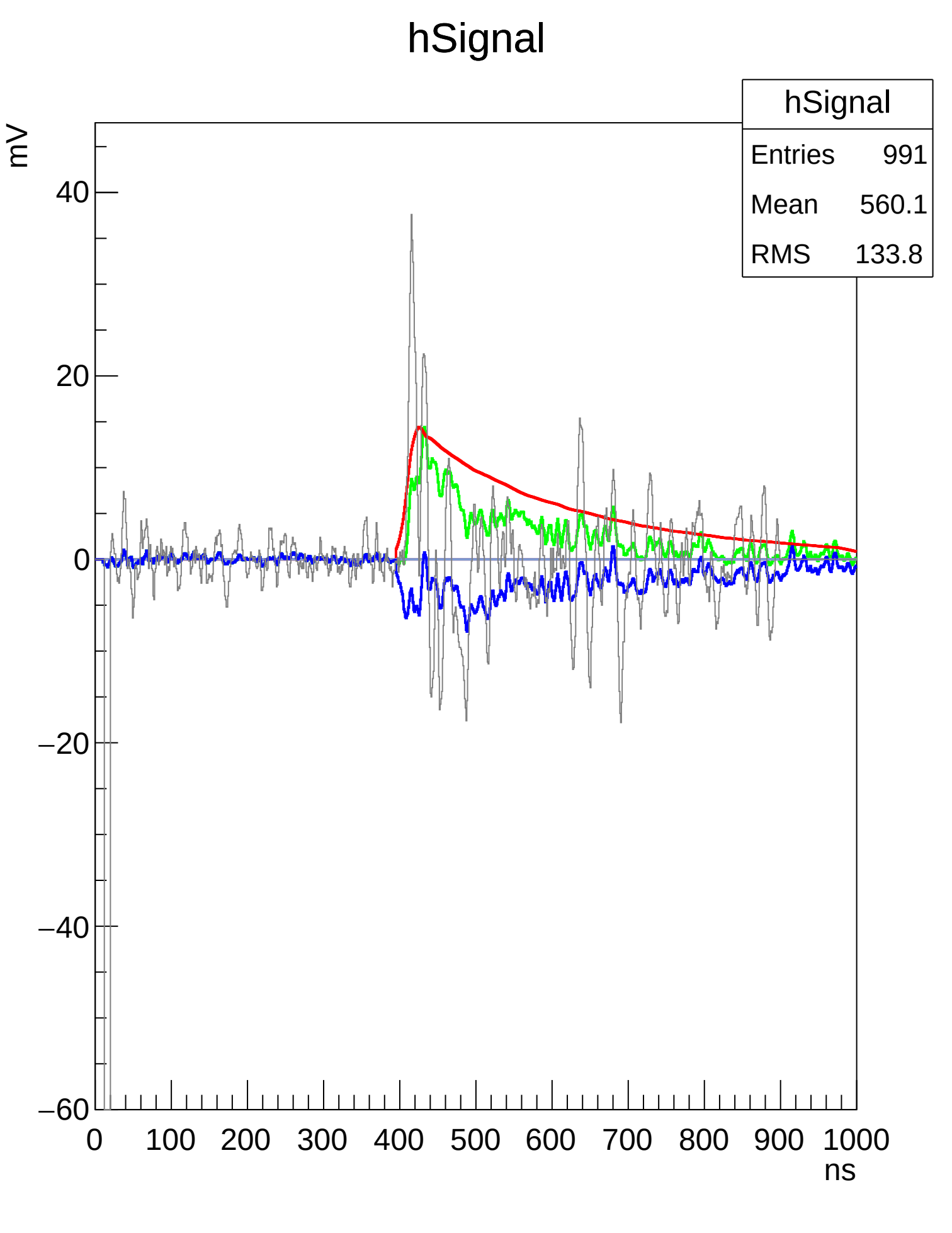
hSignal
hSignal
Entries 991
Mean 560.1
RMS 133.8
mV
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−20
−40
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0
100
200
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400
500
600
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800
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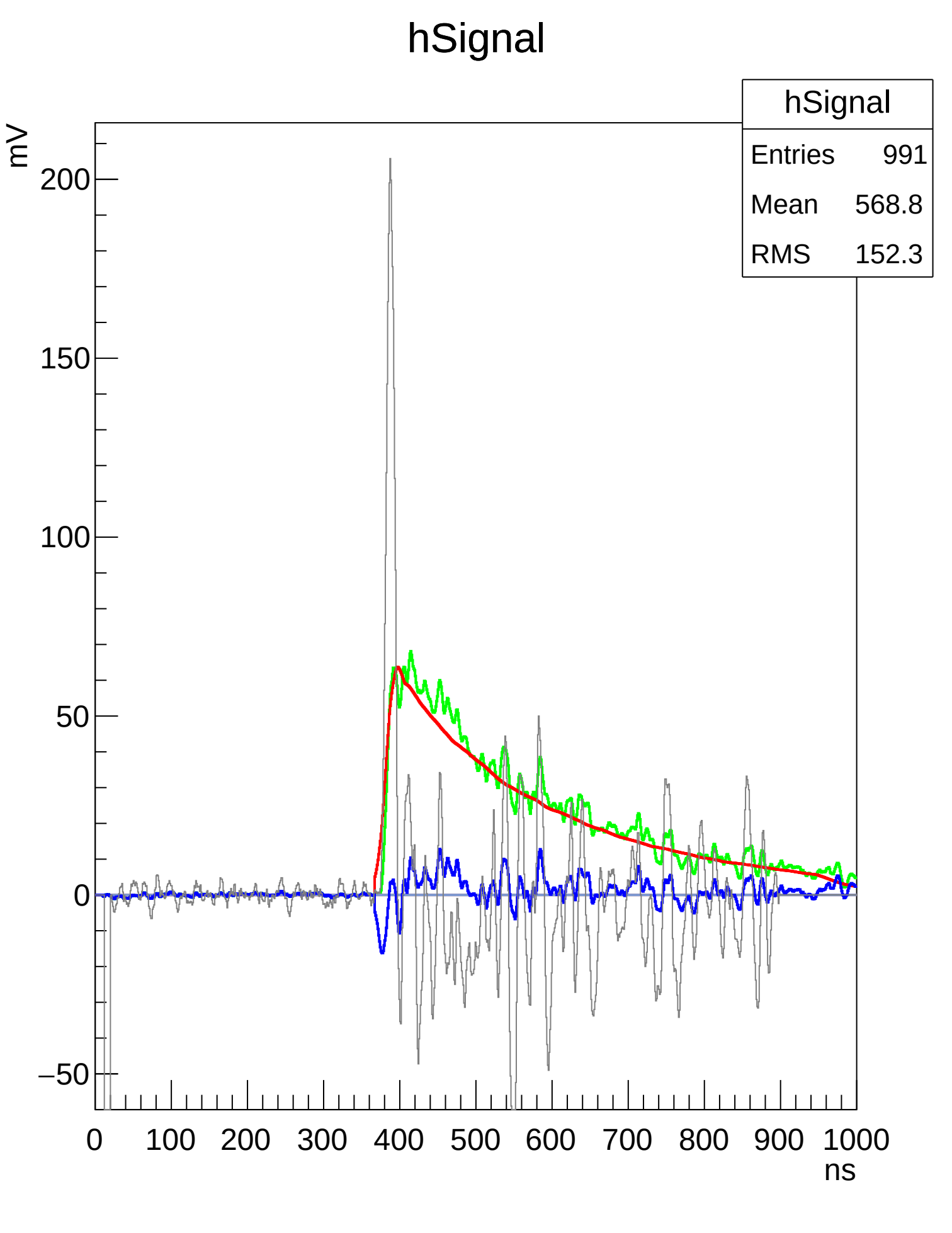
hSignal
hSignal
Entries 991
Mean 568.8
RMS 152.3
mV
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100
50
0
−50
0
100
200
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400
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600
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800
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1000
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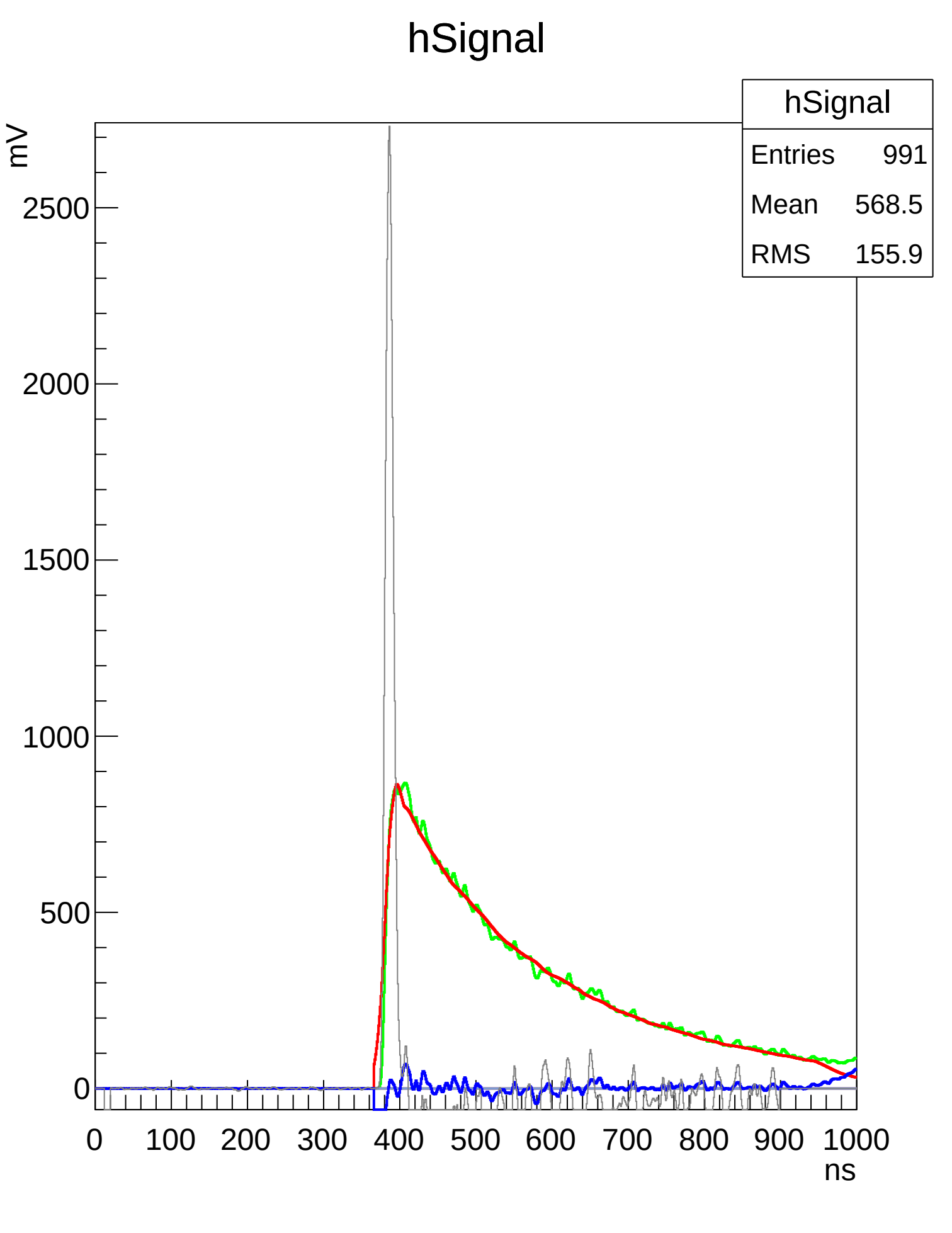
hSignal
hSignal
Entries 991
Mean 568.5
RMS 155.9
mV
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1500
1000
500
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0
100
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1000
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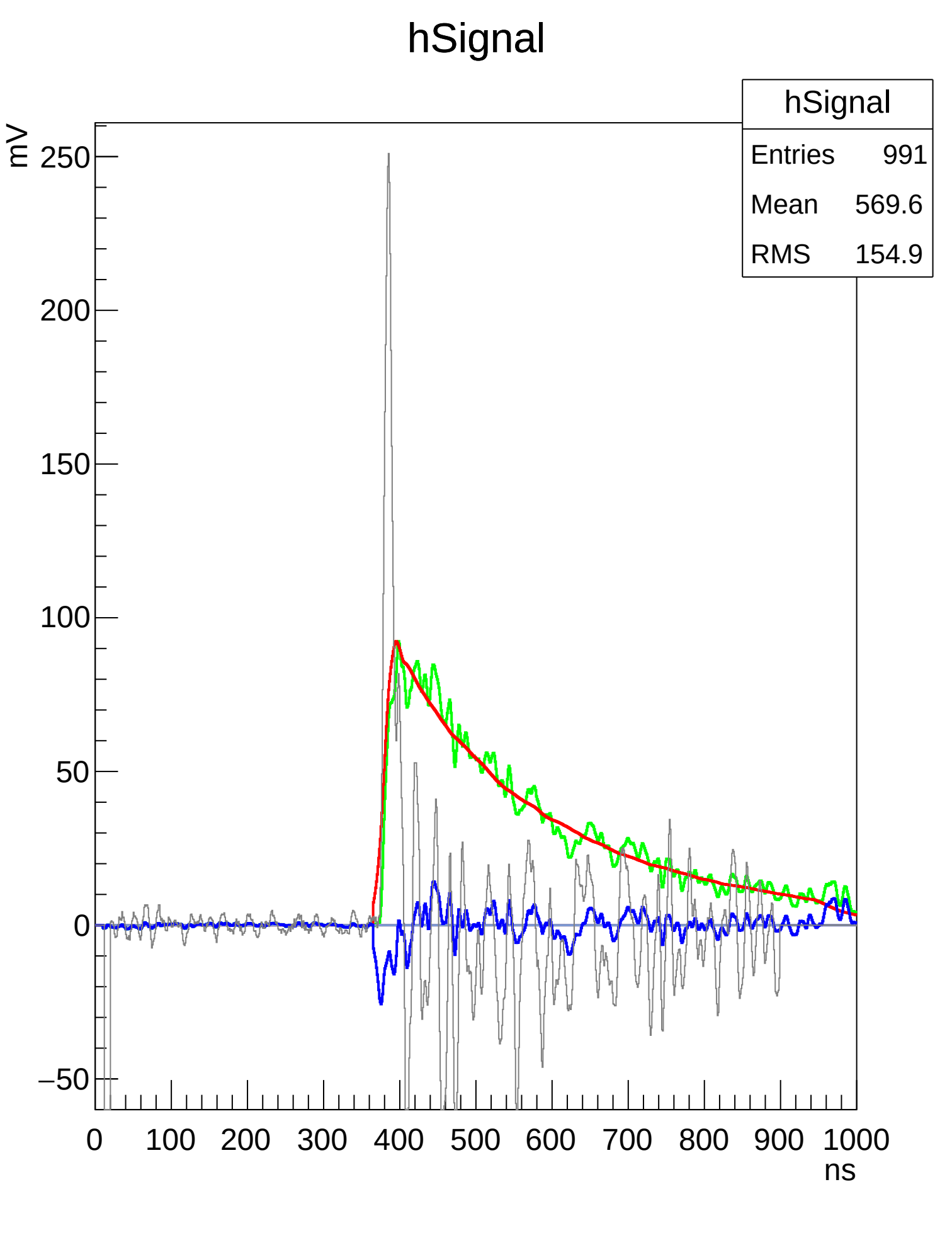
hSignal
hSignal
Entries 991
Mean 569.6
RMS 154.9
mV
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100
50
0
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0
100
200
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400
500
600
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800
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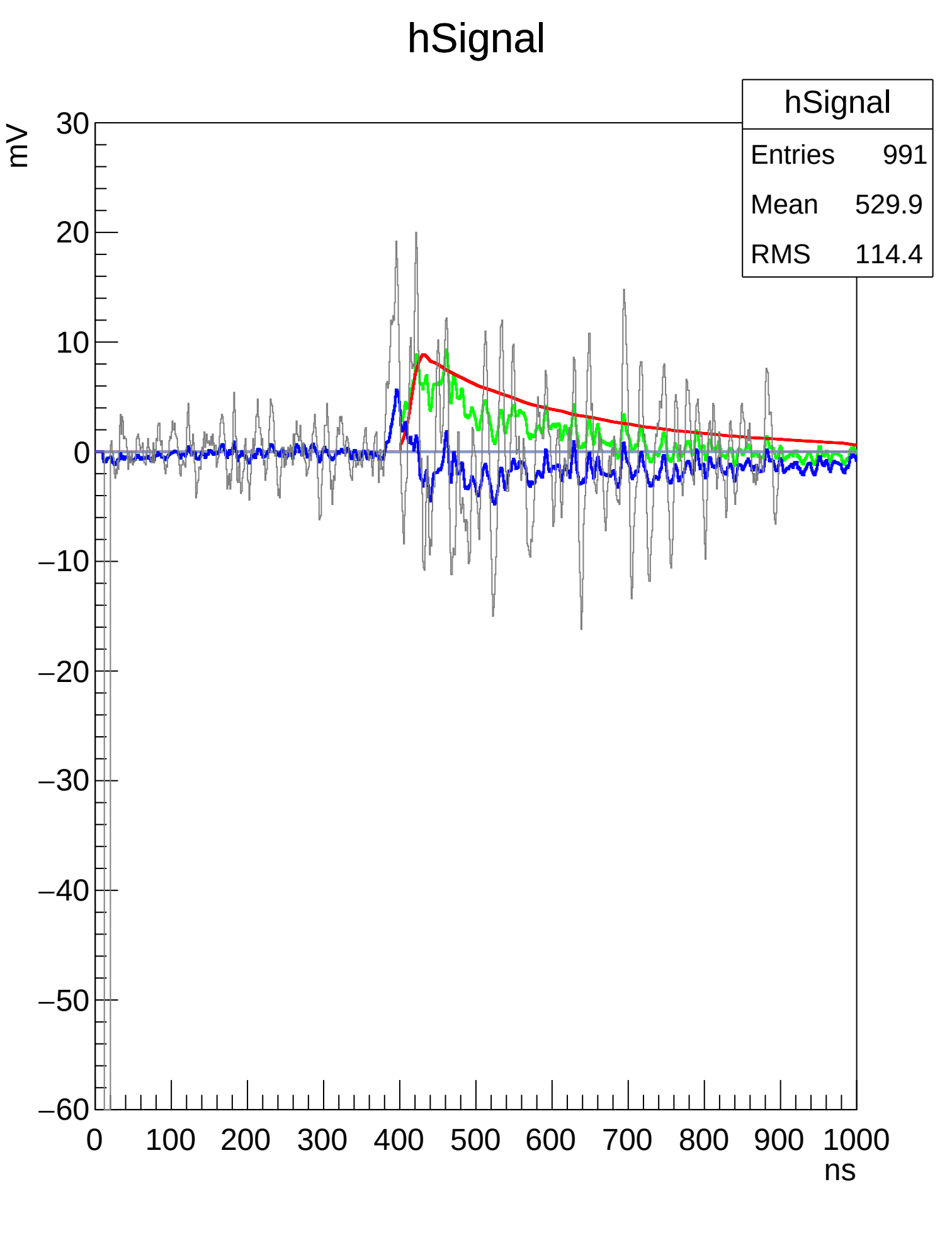
1000
ns


hSignal
hSignal
Entries 991
Mean 529.9
RMS 114.4
mV
30
20
10
0
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−40
−50
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200
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400
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800
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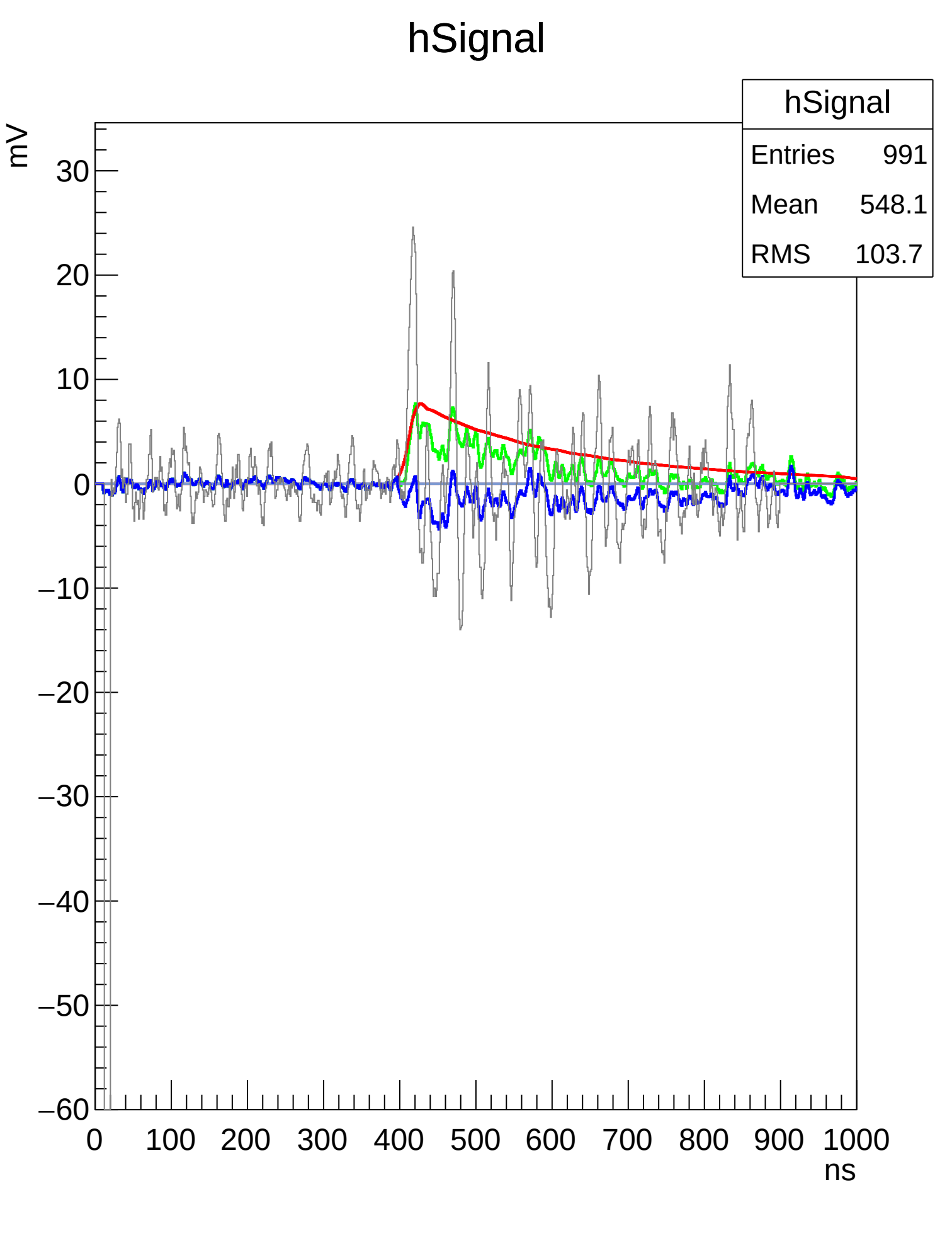
1000
ns


hSignal
hSignal
Entries 991
Mean 548.1
RMS 103.7
mV
30
20
10
0
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−20
−30
−40
−50
−60
0
100
200
300
400
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800
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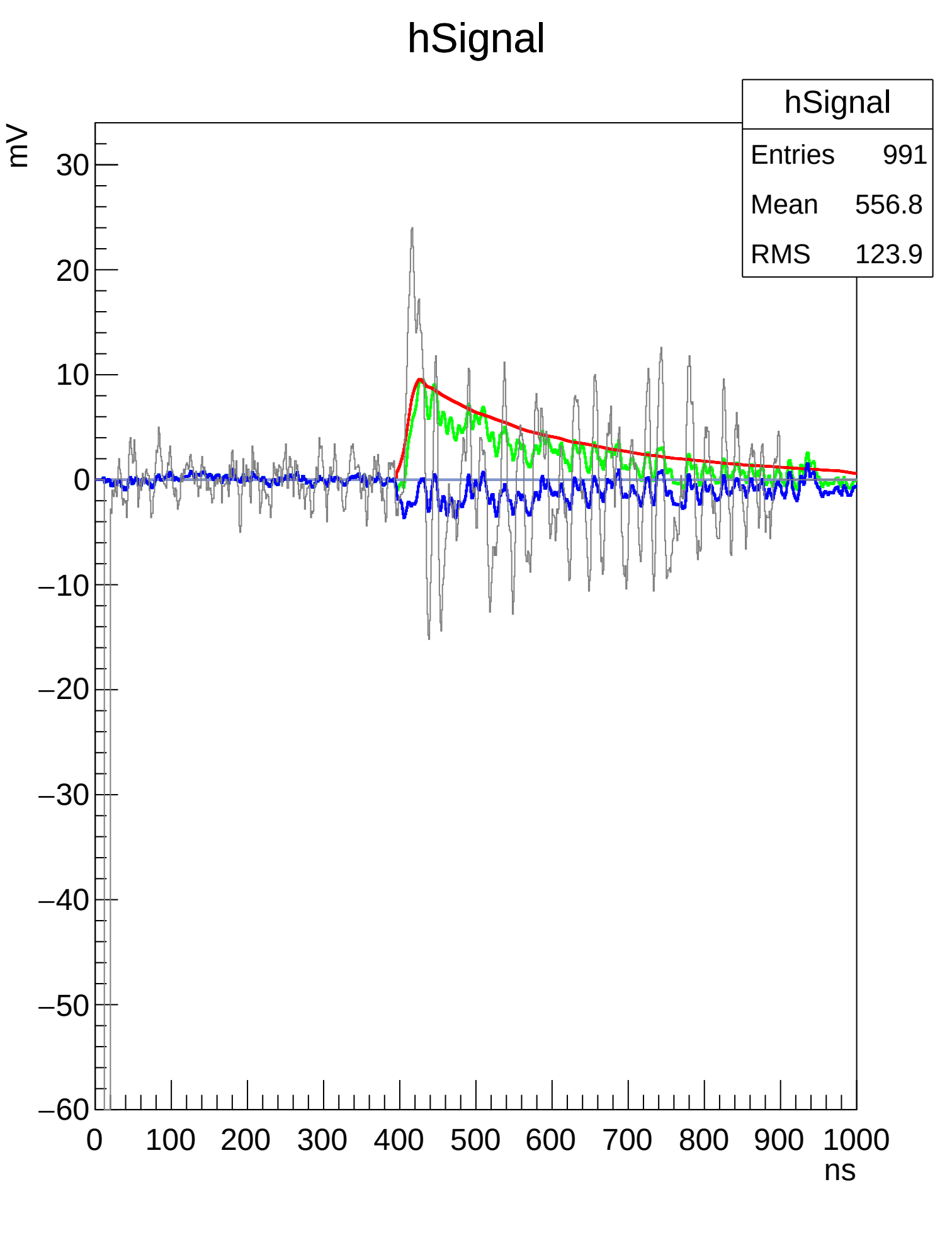
1000
ns


hSignal
hSignal
Entries 991
Mean 556.8
RMS 123.9
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
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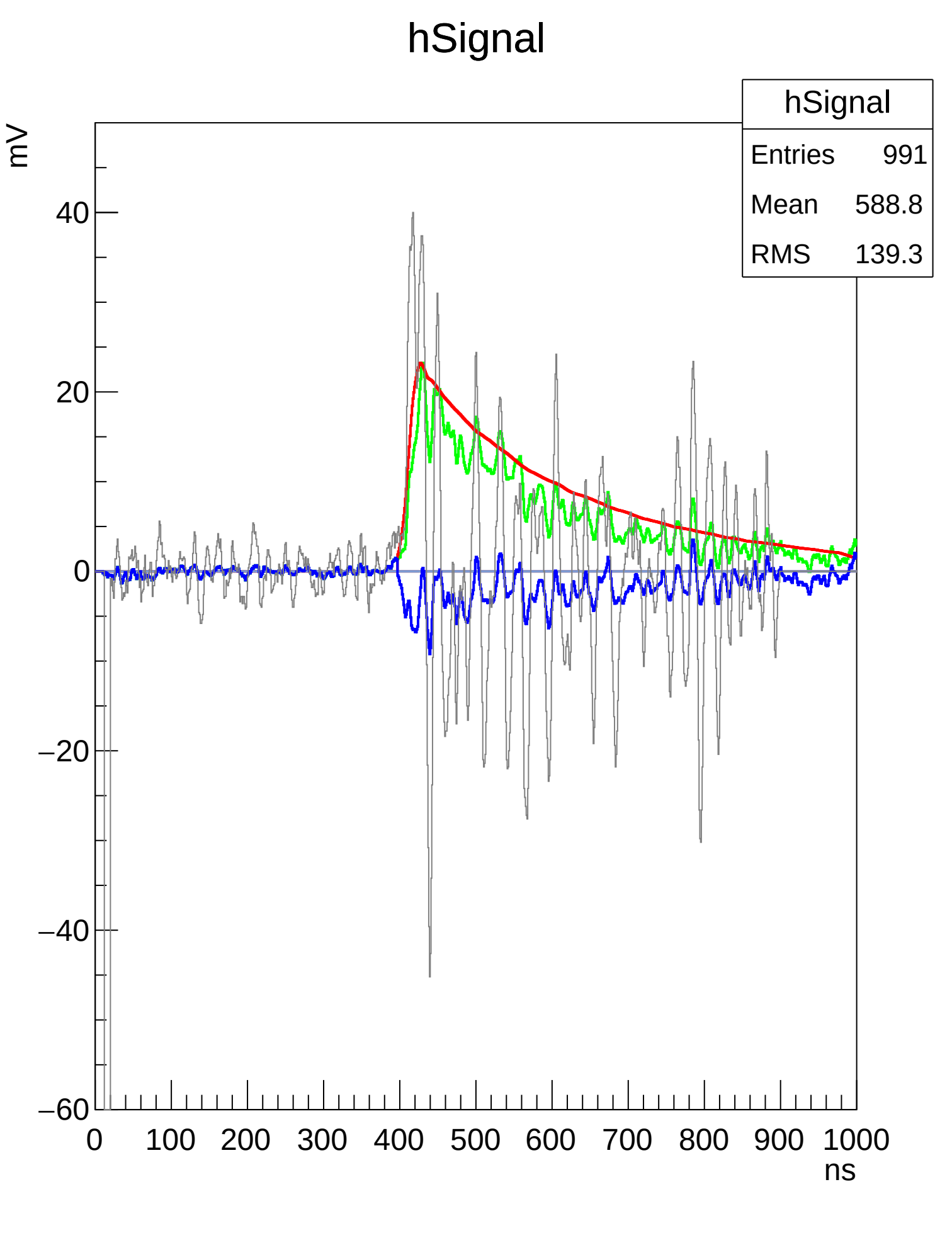
1000
ns


hSignal
hSignal
Entries 991
Mean 588.8
RMS 139.3
mV
40
20
0
−20
−40
−60
0
100
200
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400
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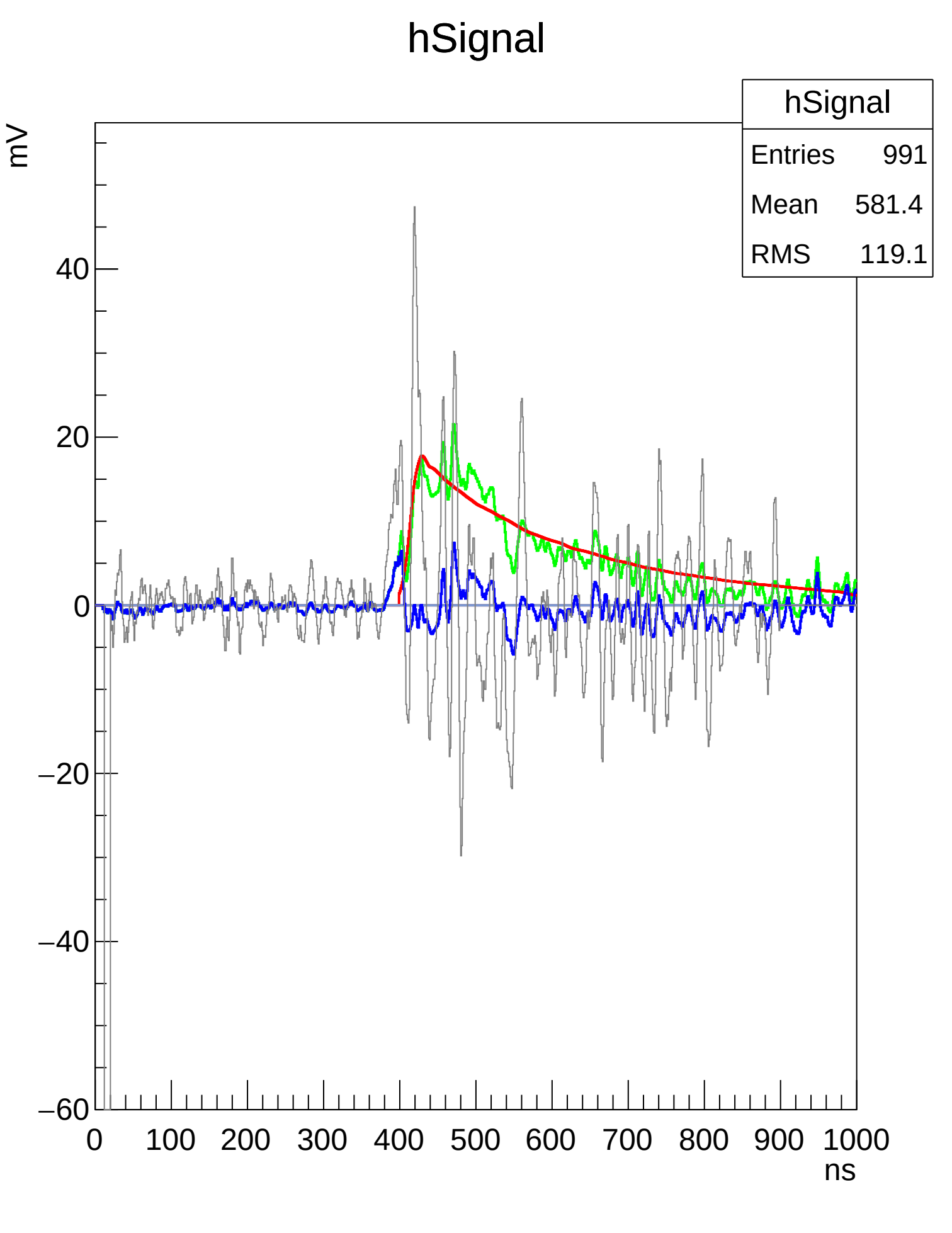
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.4
RMS 119.1
mV
40
20
0
−20
−40
−60
0
100
200
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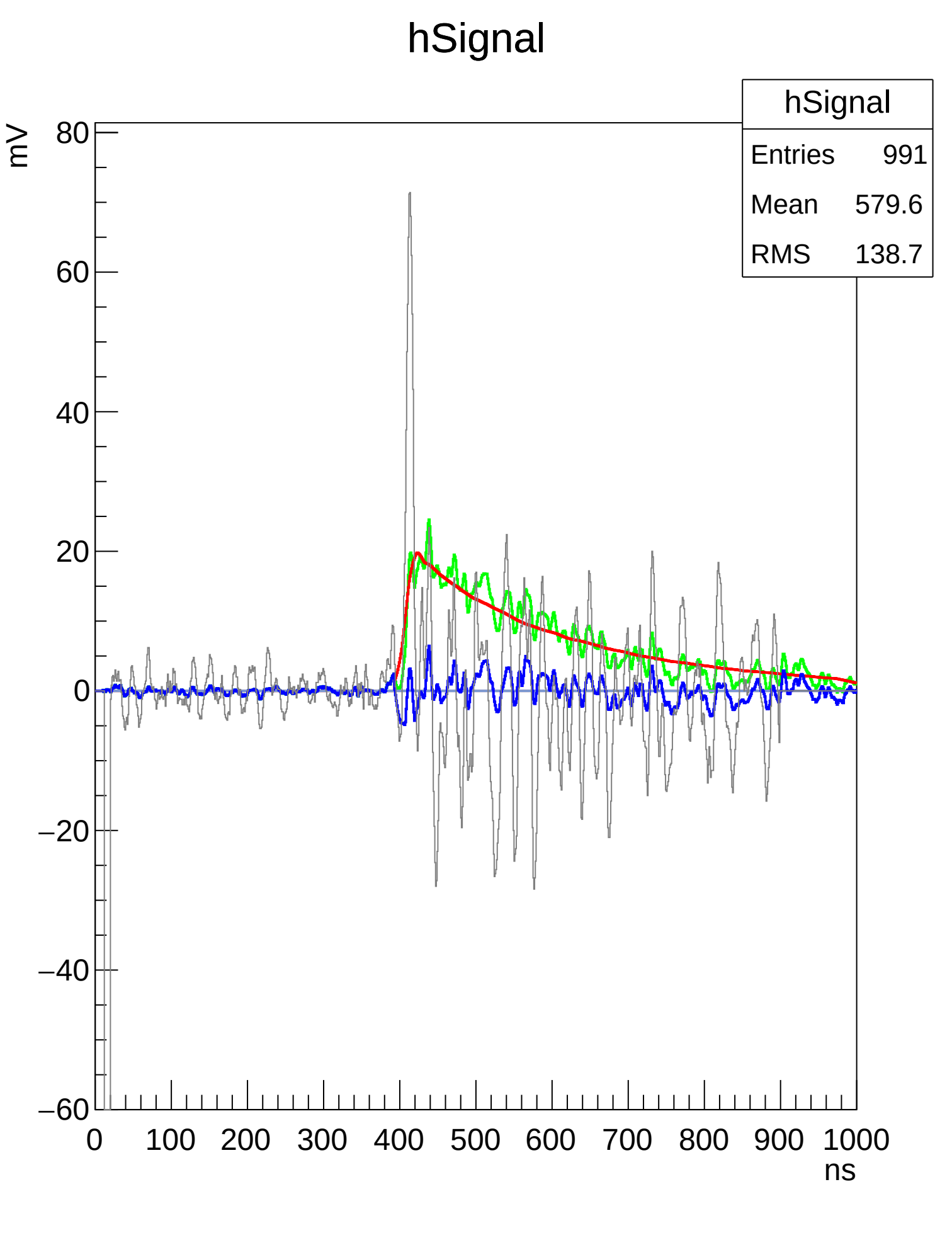
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 138.7
mV
80
60
40
20
0
−20
−40
−60
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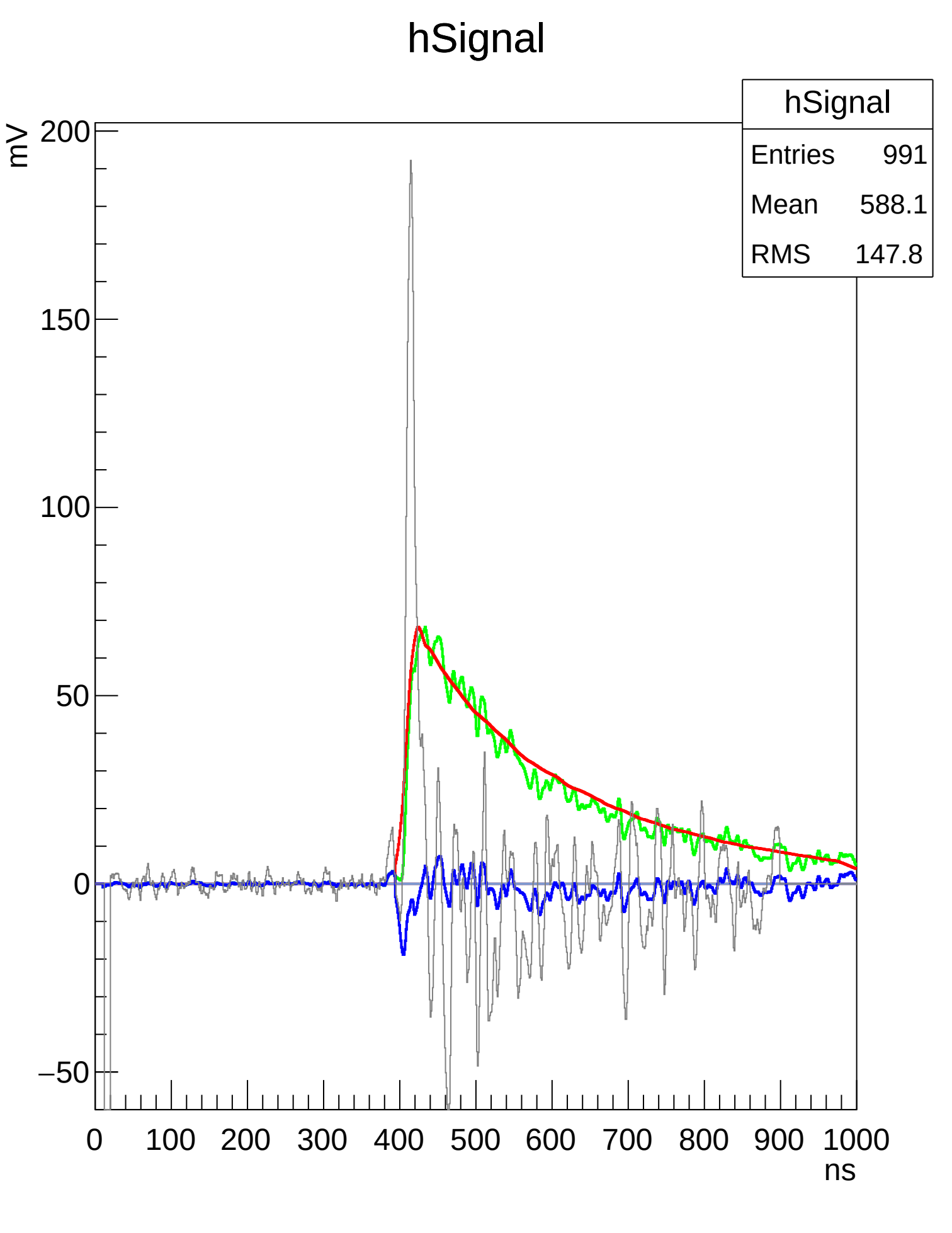
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588.1
RMS 147.8
mV
200
150
100
50
0
−50
0
100
200
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400
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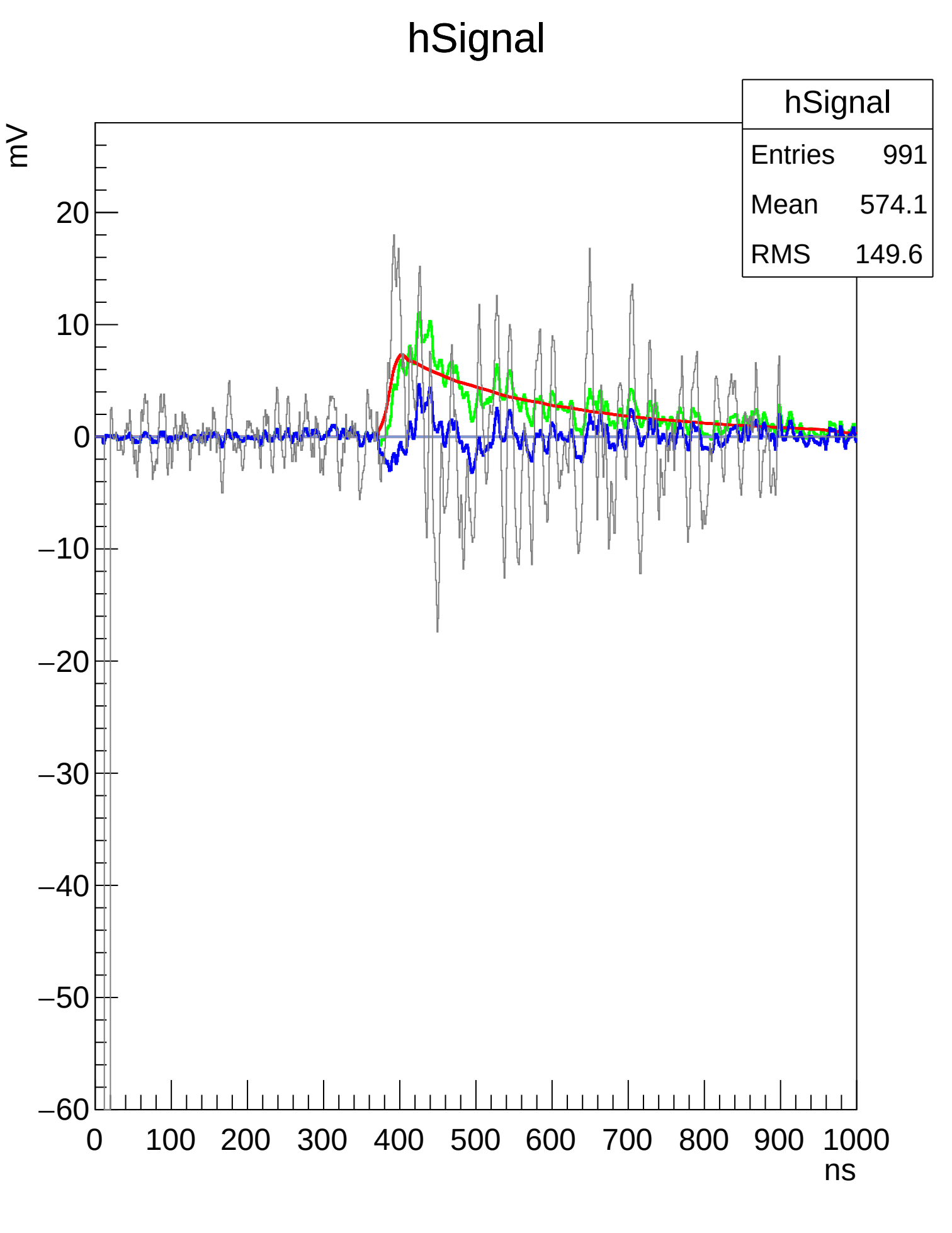
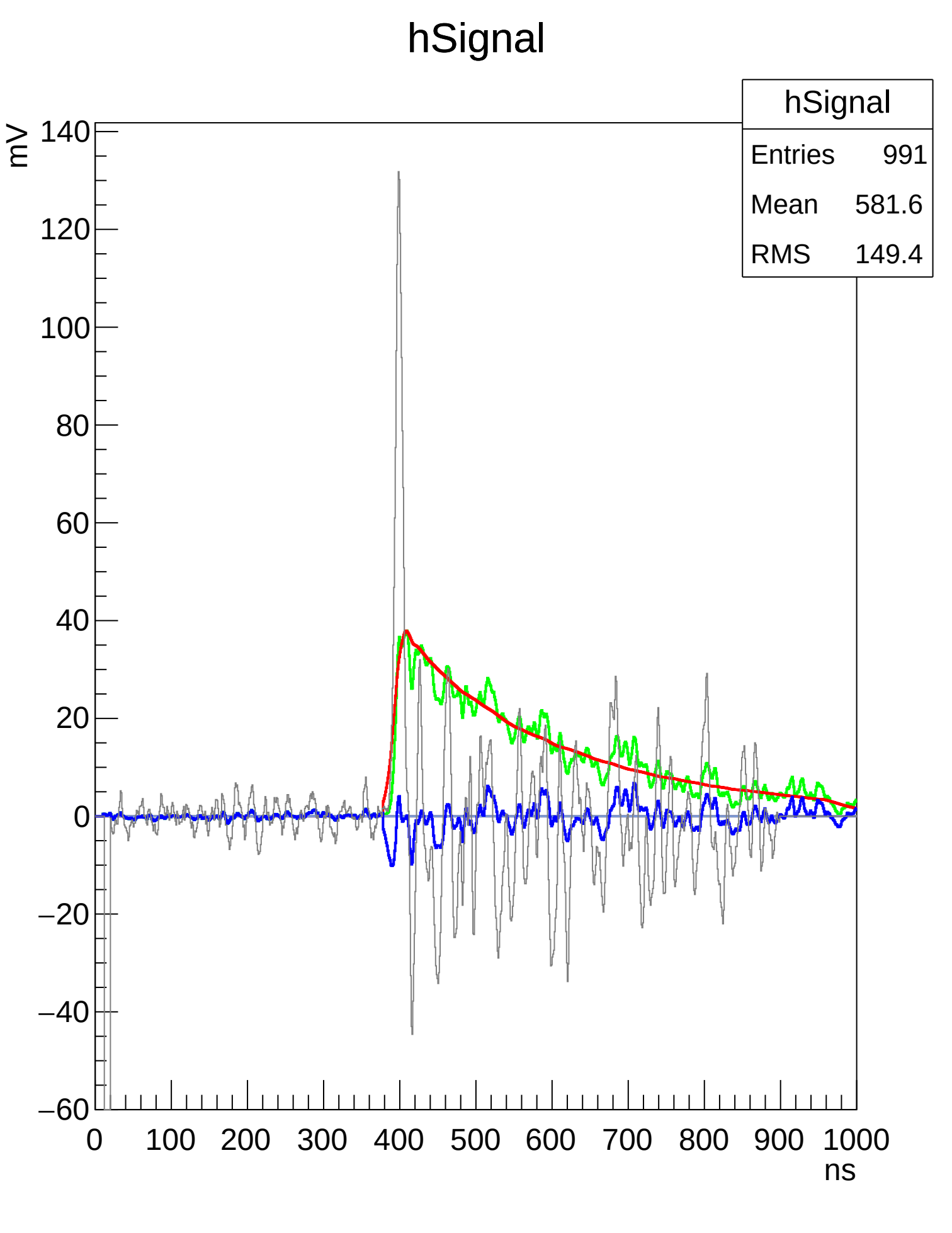
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.1
RMS 149.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.6
RMS 149.4
mV
140
120
100
80
60
40
20
0
−20
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200
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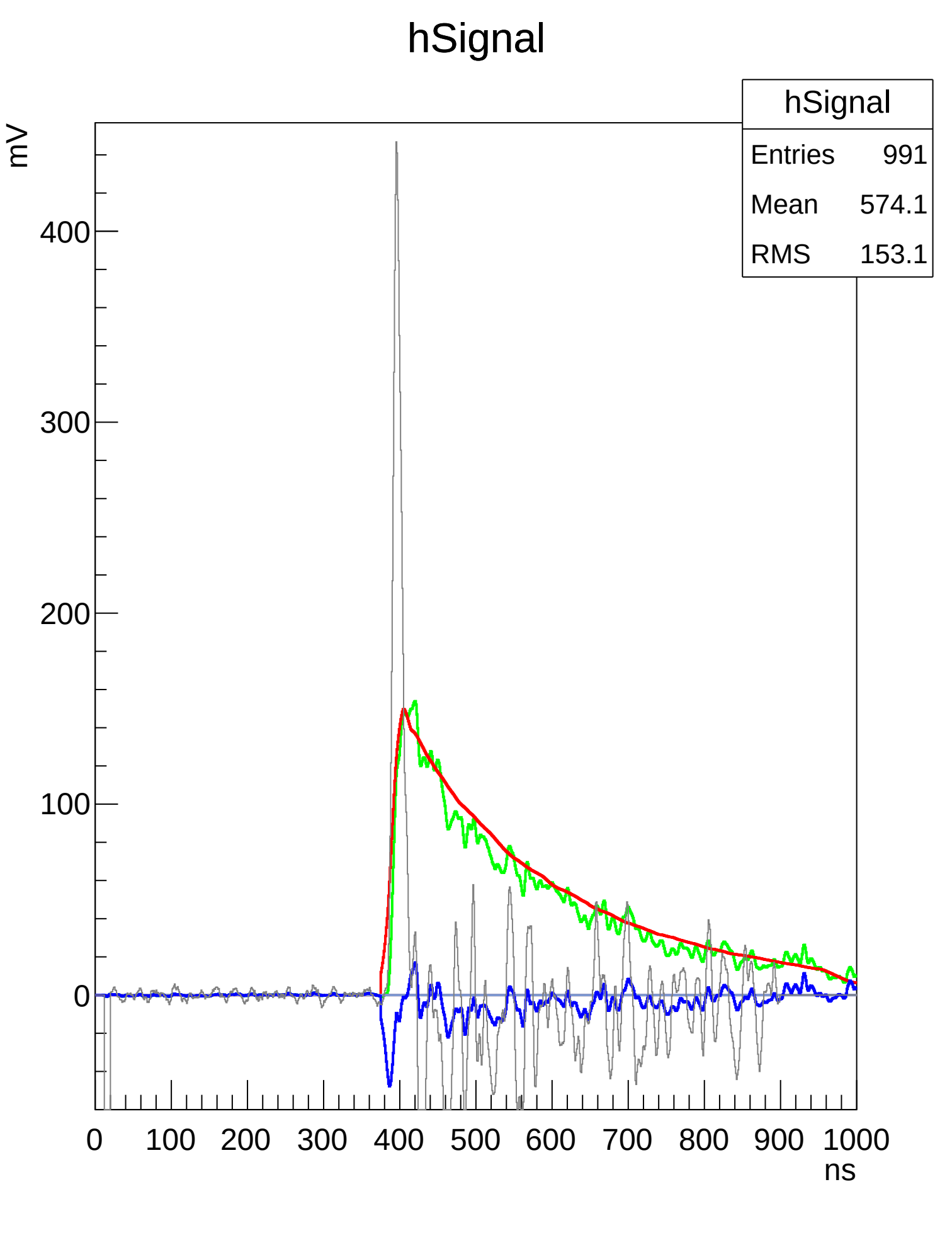
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.1
RMS 153.1
mV
400
300
200
100
0
0
100
200
300
400
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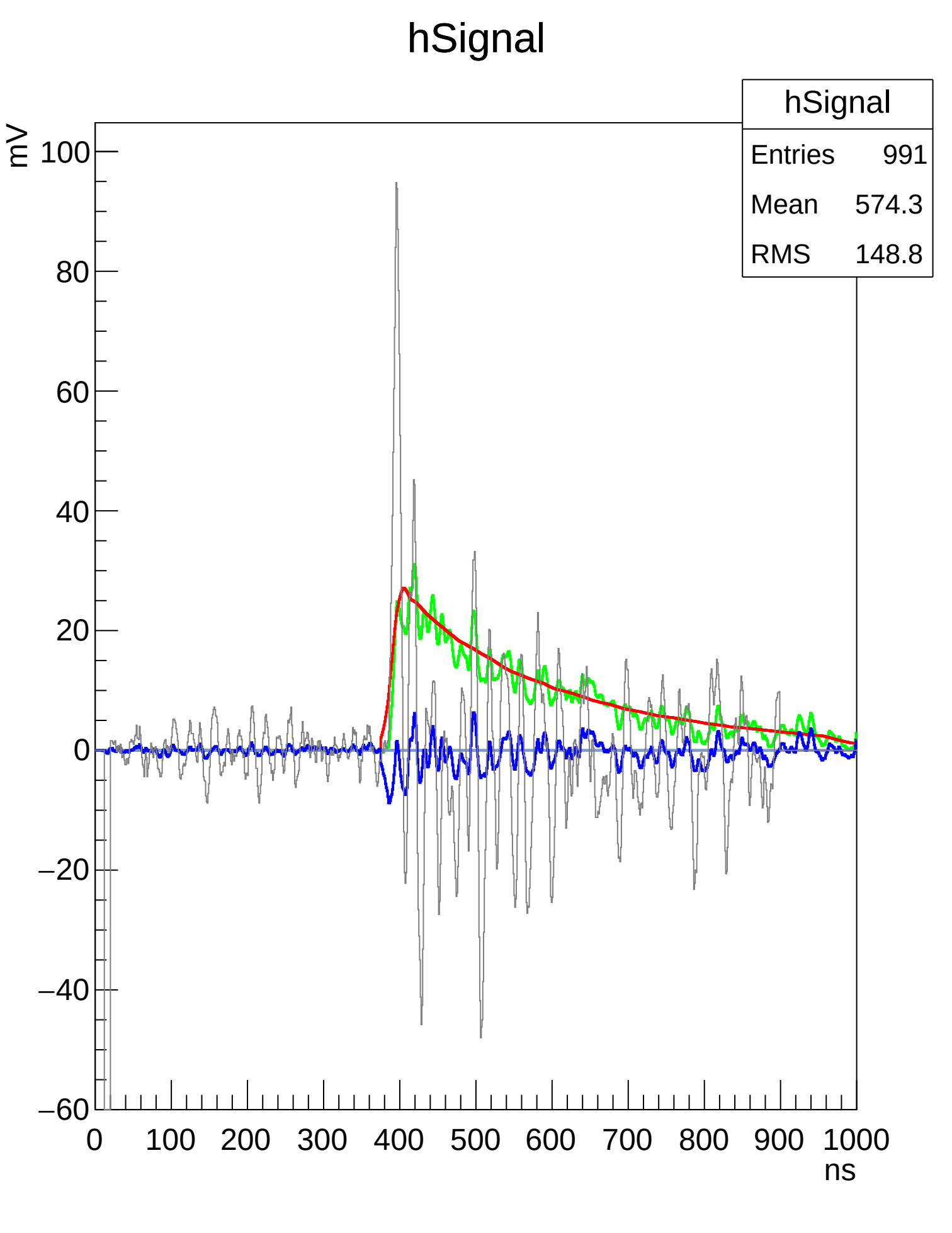
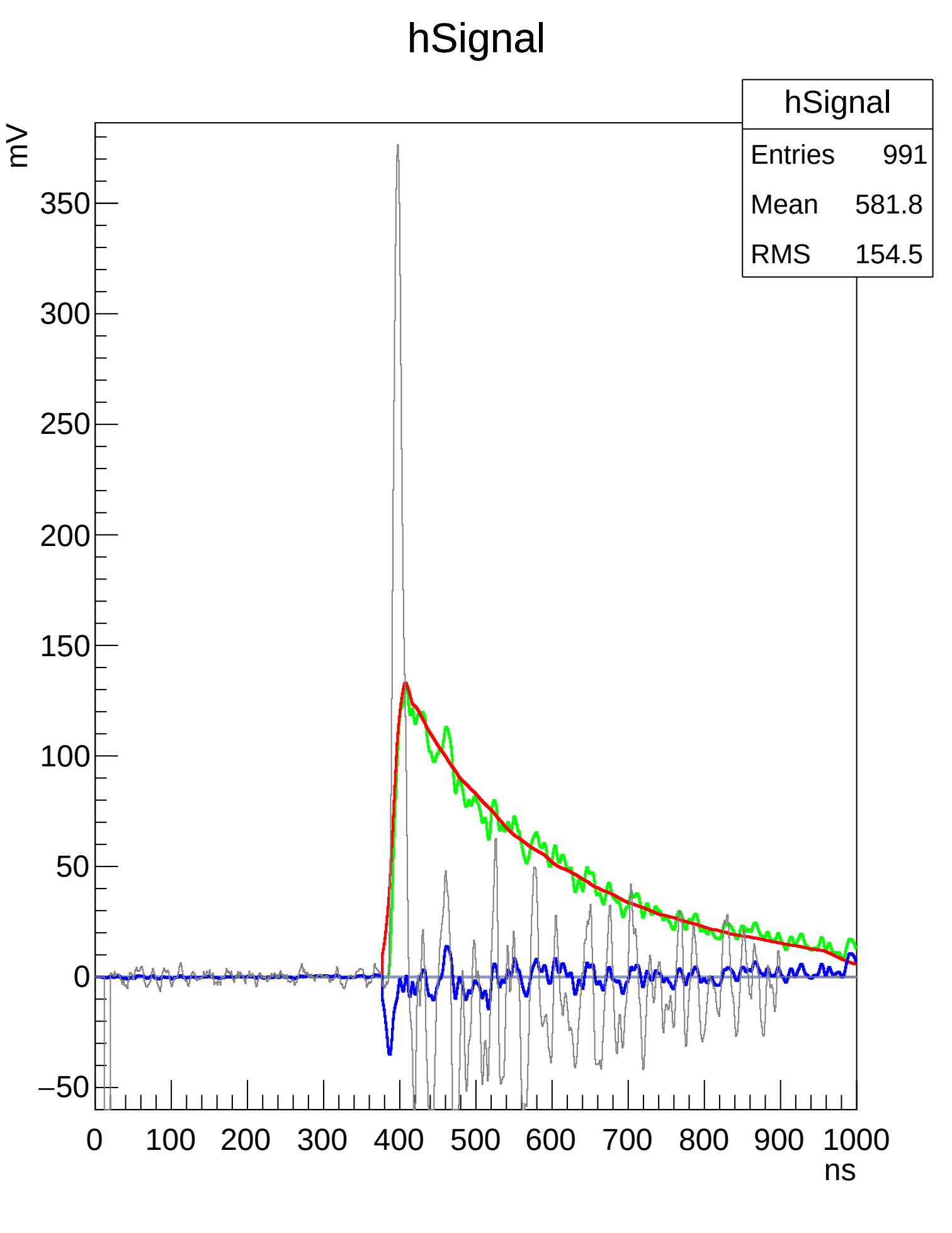
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.3
RMS 148.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.8
RMS 154.5
mV
350
300
250
200
150
100
50
0
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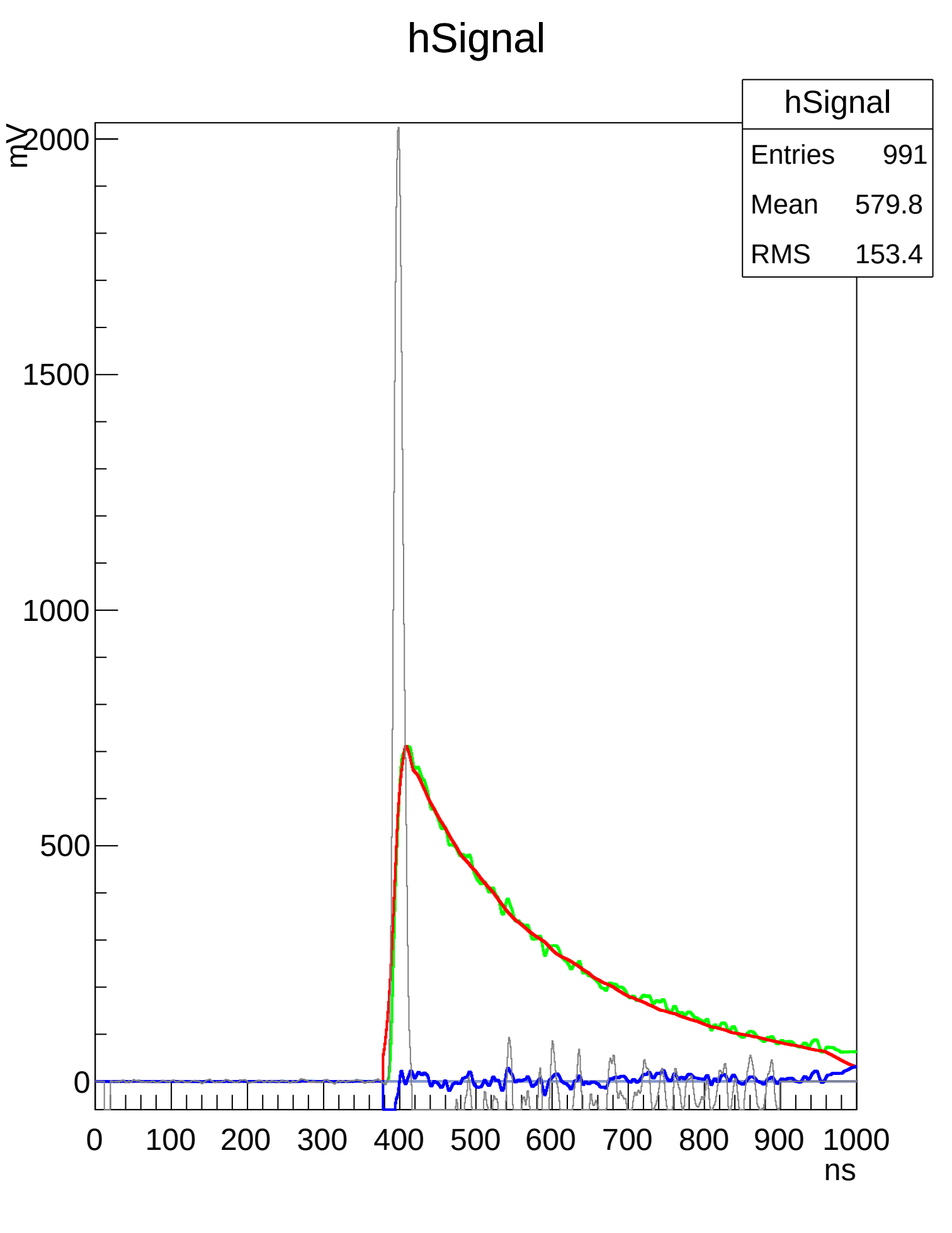
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.8
RMS 153.4
mV
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1500
1000
500
0
0
100
200
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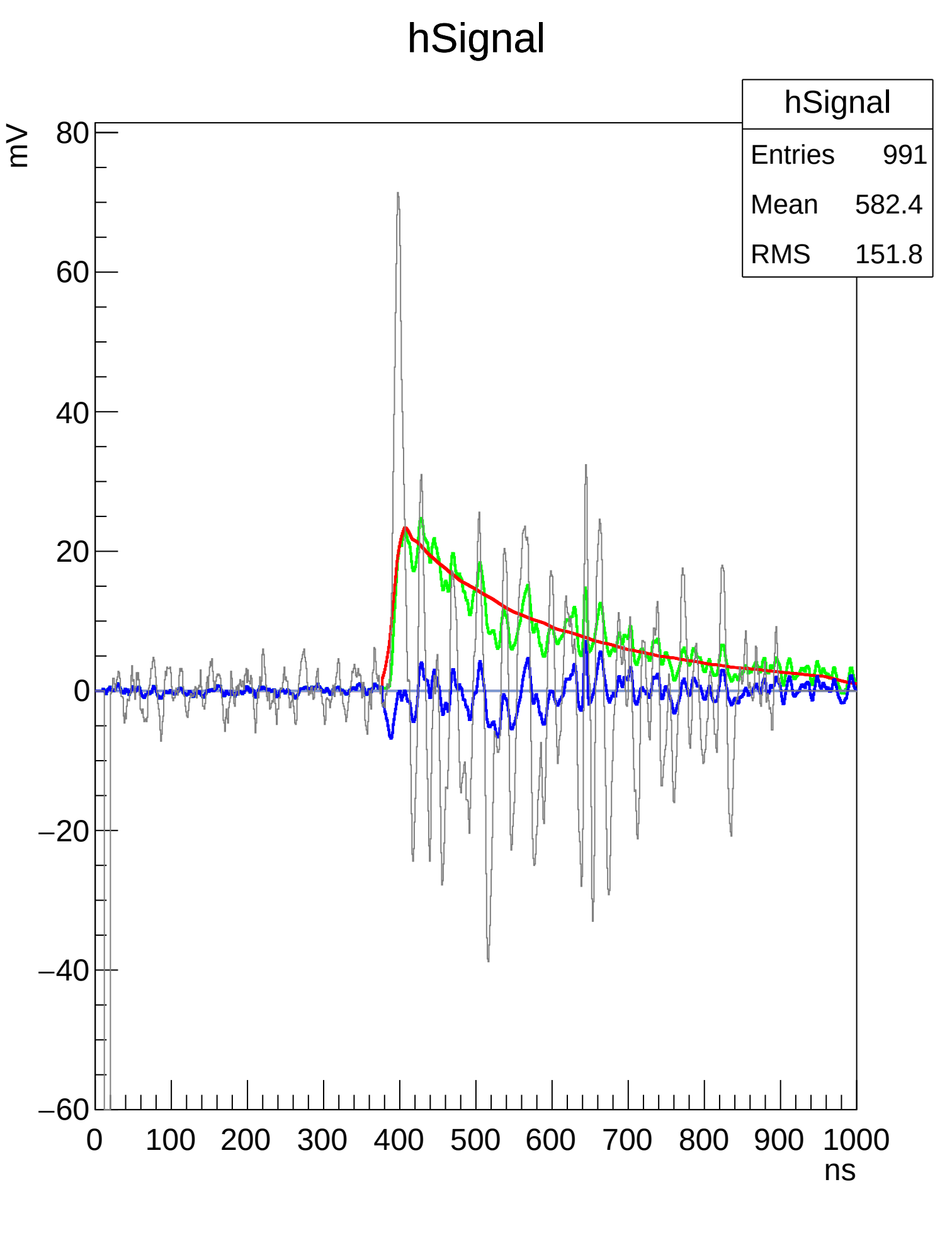
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.4
RMS 151.8
mV
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60
40
20
0
−20
−40
−60
0
100
200
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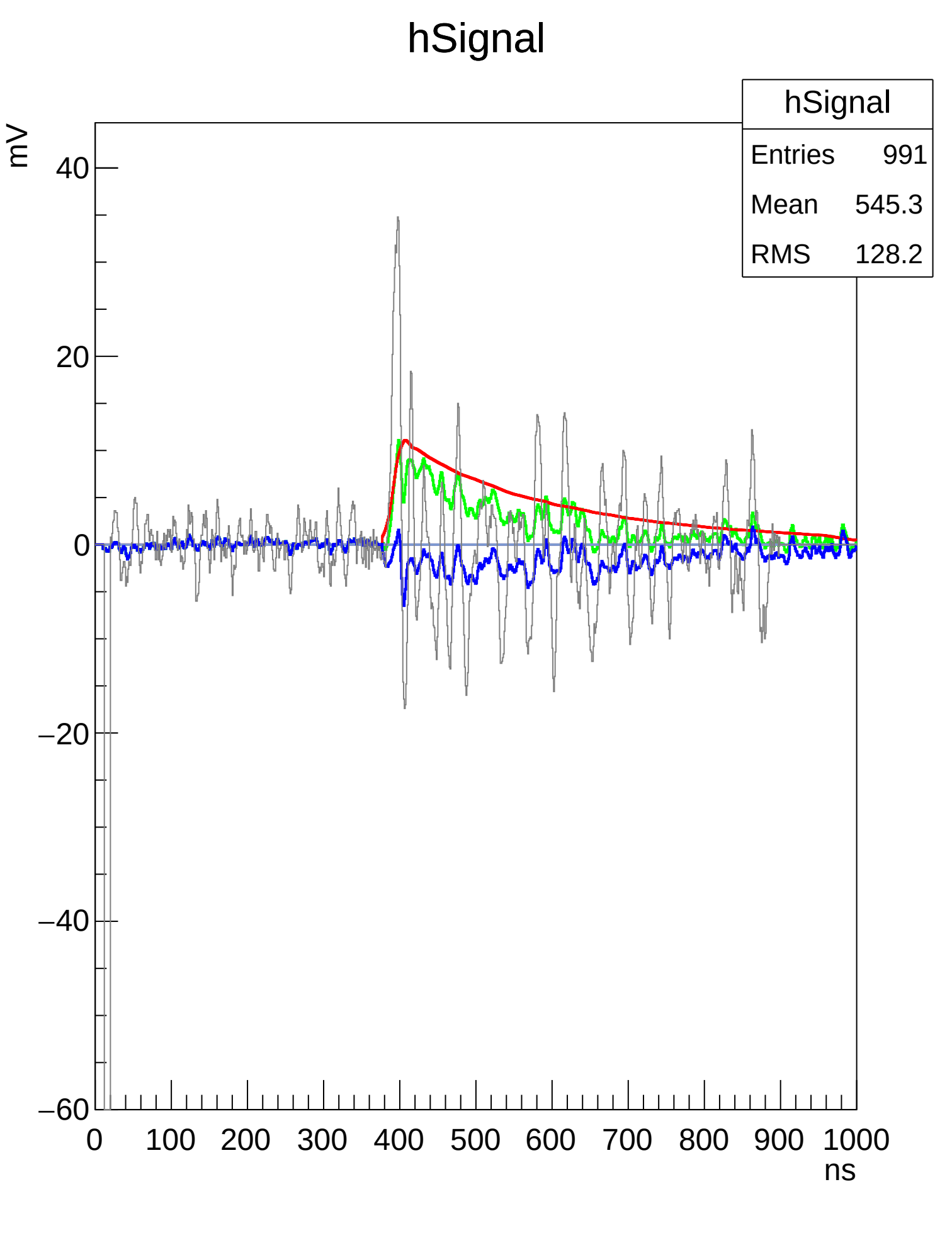
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.3
RMS 128.2
mV
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−20
−40
−60
0
100
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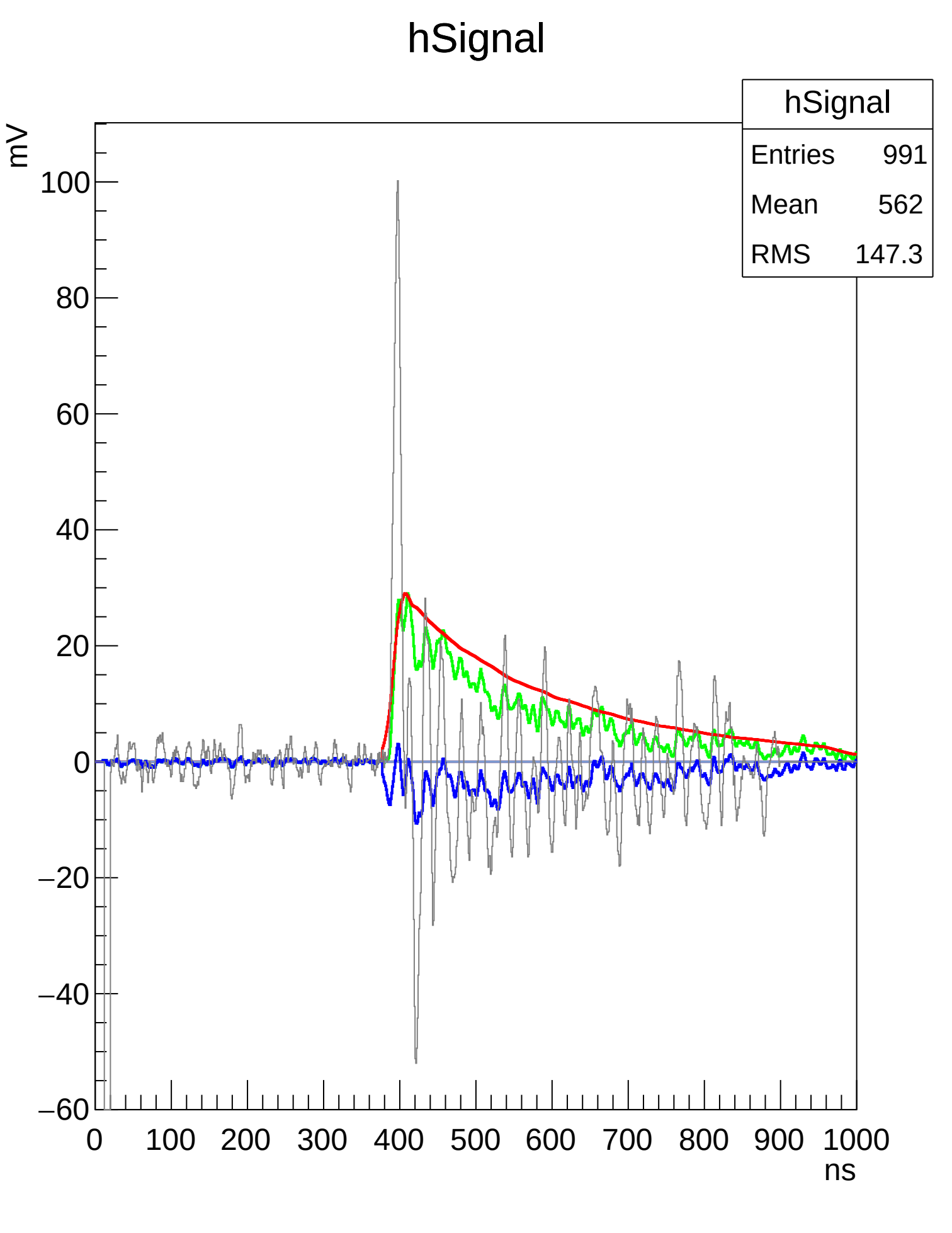
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562
RMS 147.3
mV
100
80
60
40
20
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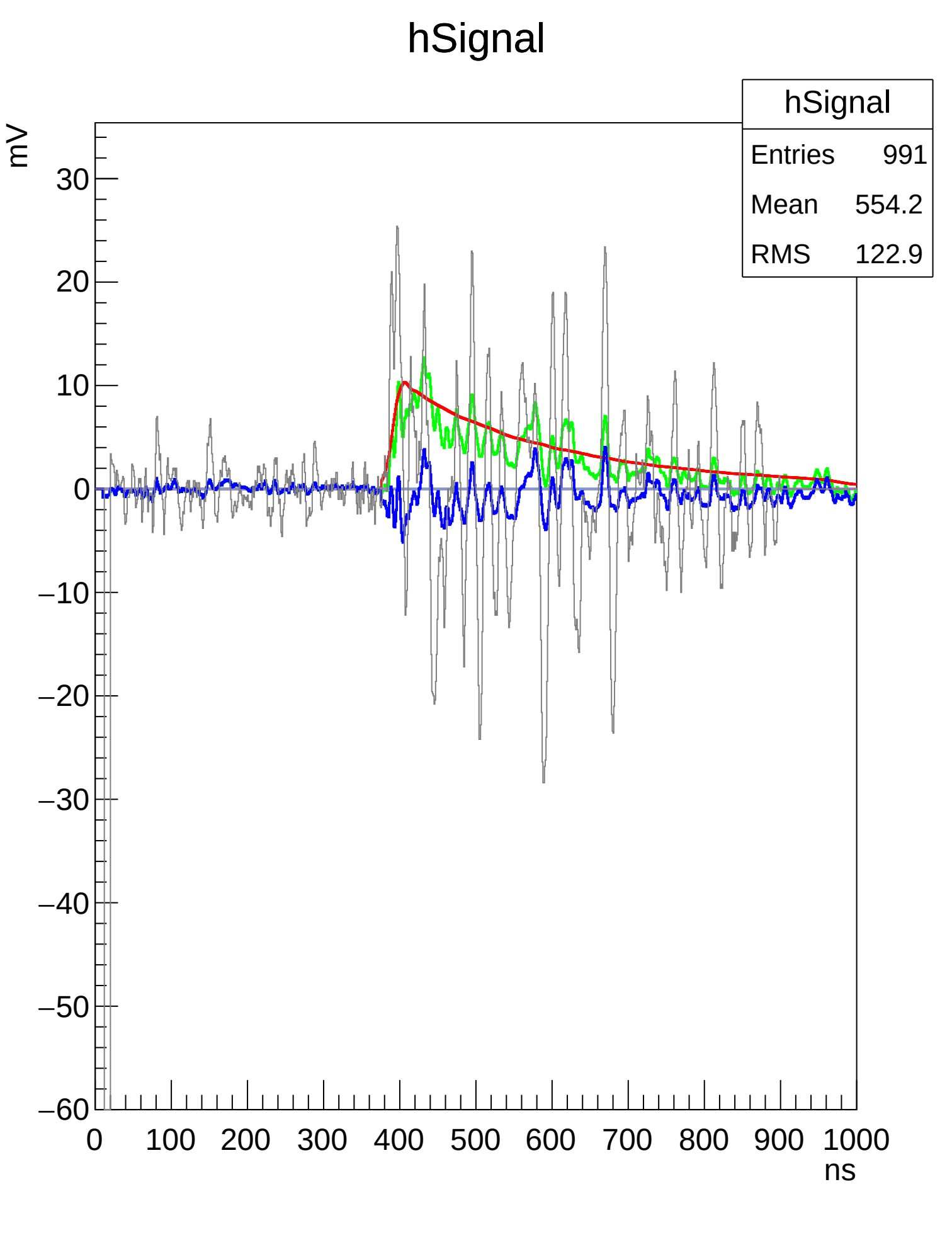
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.2
RMS 122.9
mV
30
20
10
0
−10
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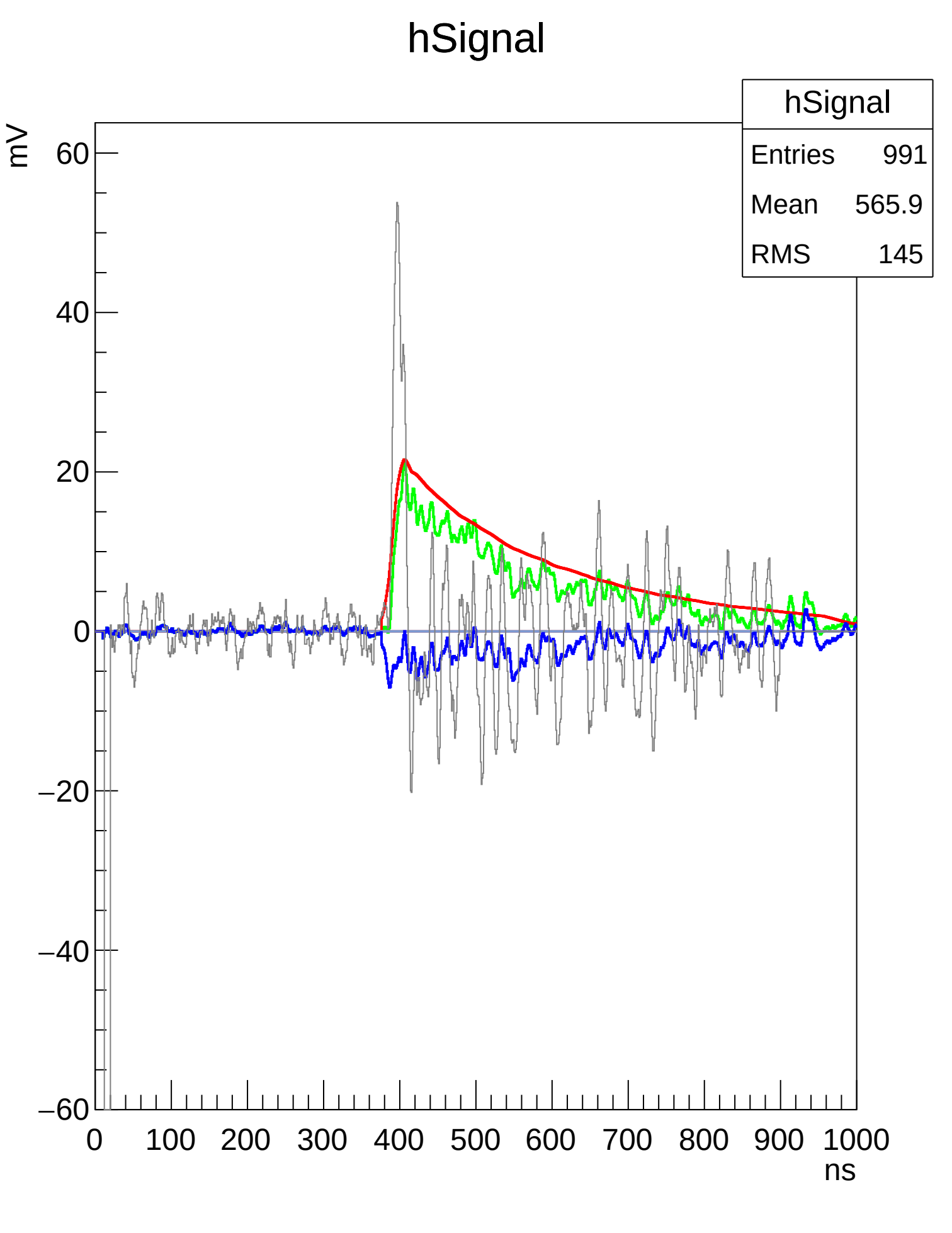
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.9
RMS 145
mV
60
40
20
0
−20
−40
−60
0
100
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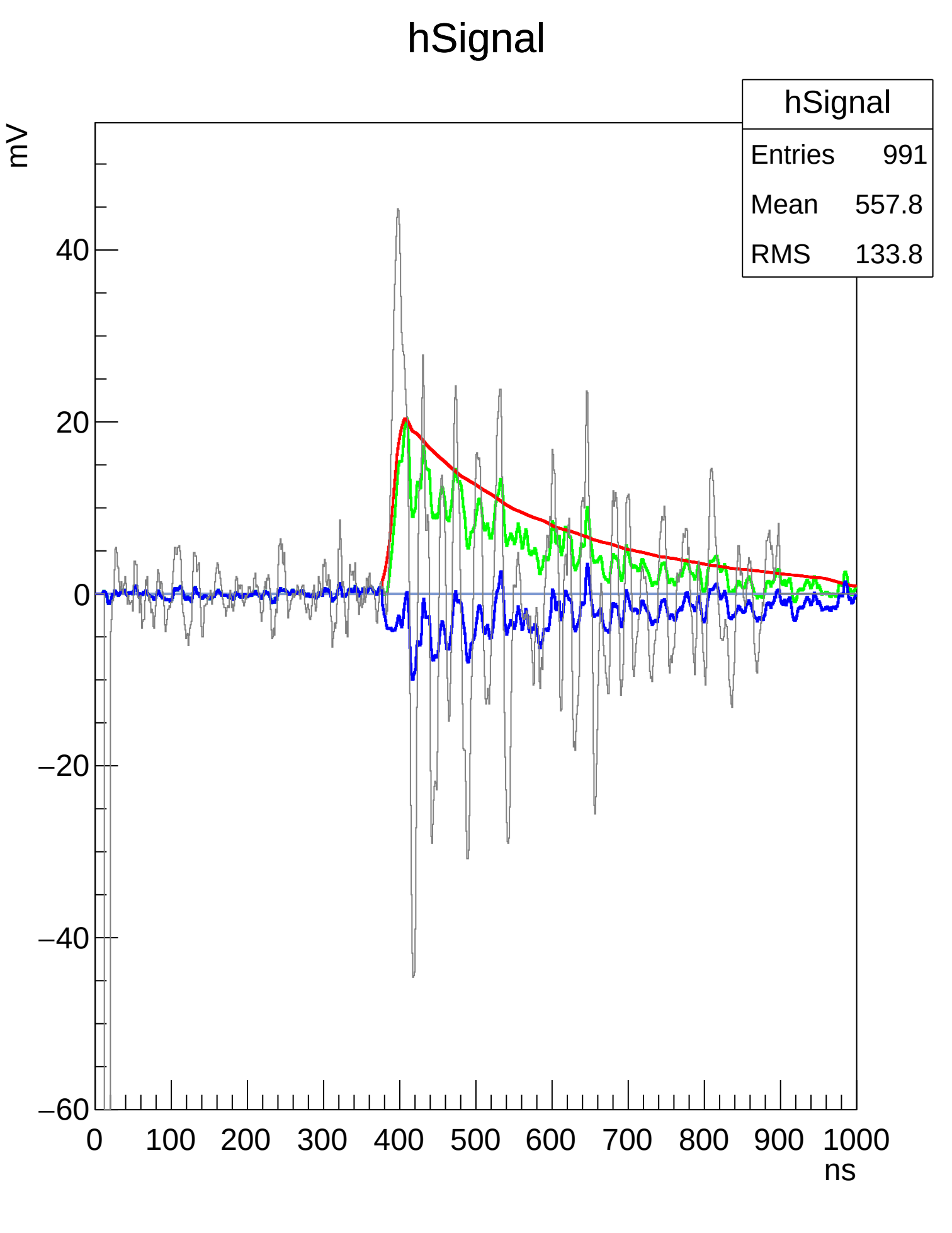
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.8
RMS 133.8
mV
40
20
0
−20
−40
−60
0
100
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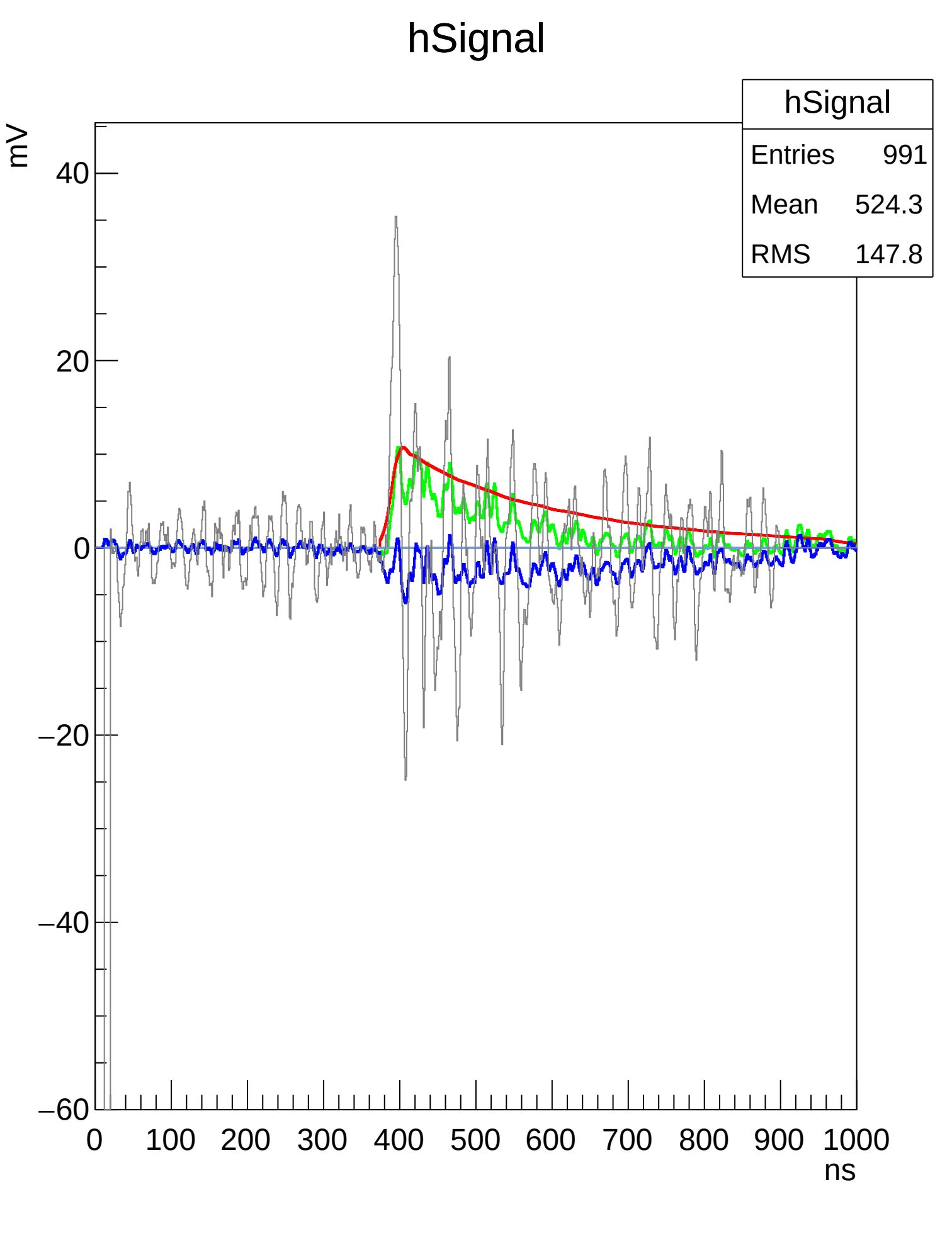
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.3
RMS 147.8
mV
40
20
0
−20
−40
−60
0
100
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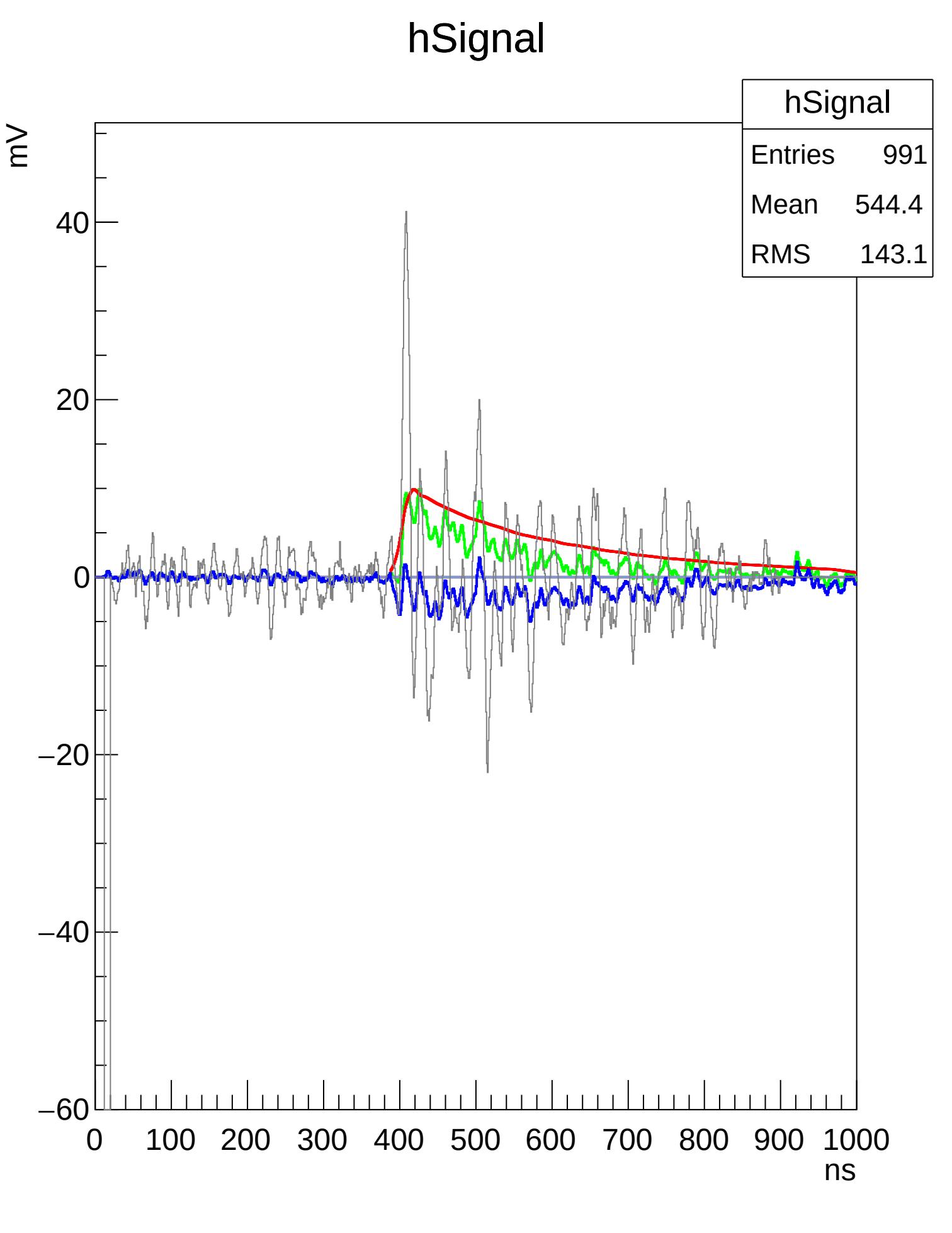
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.4
RMS 143.1
mV
40
20
0
−20
−40
−60
0
100
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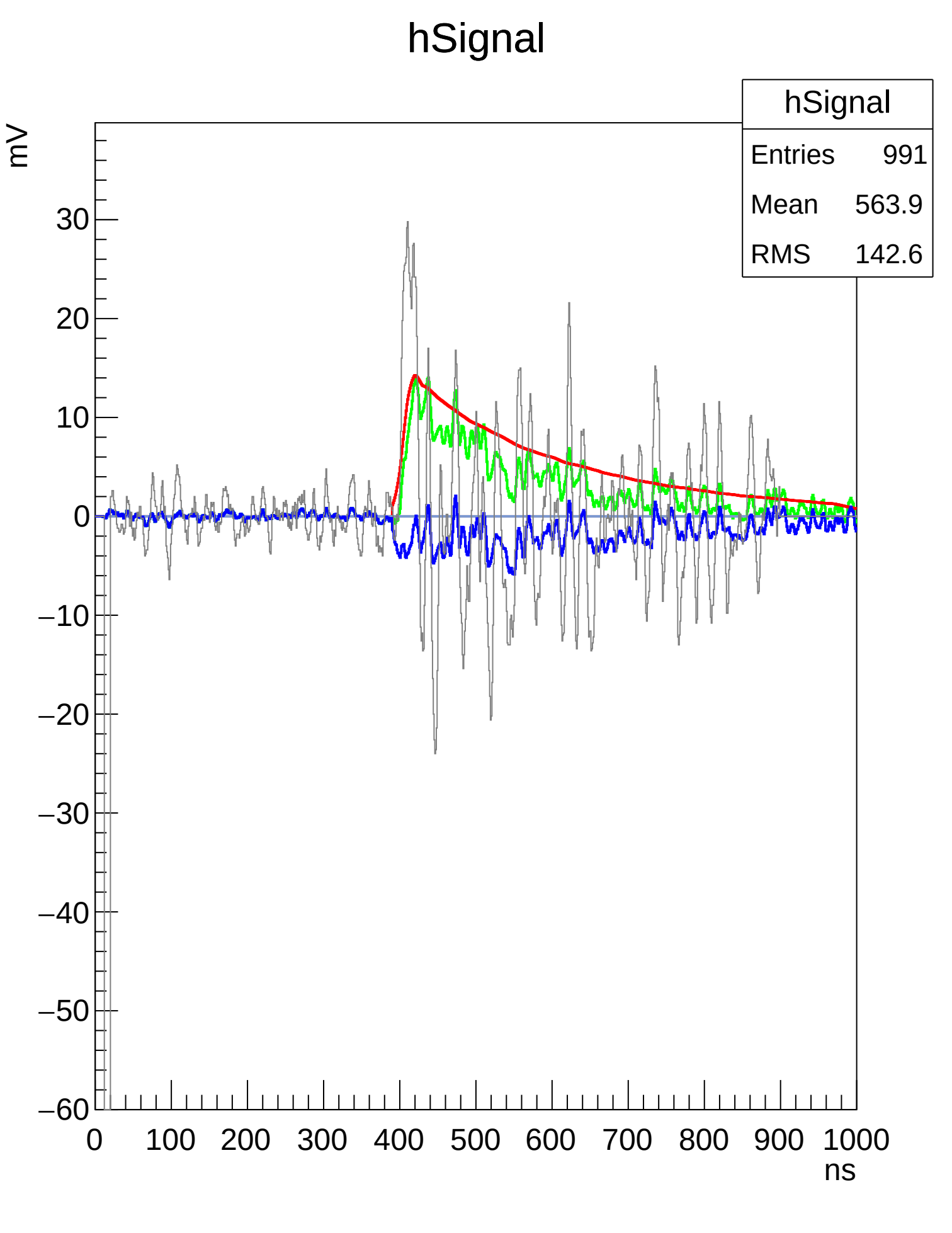
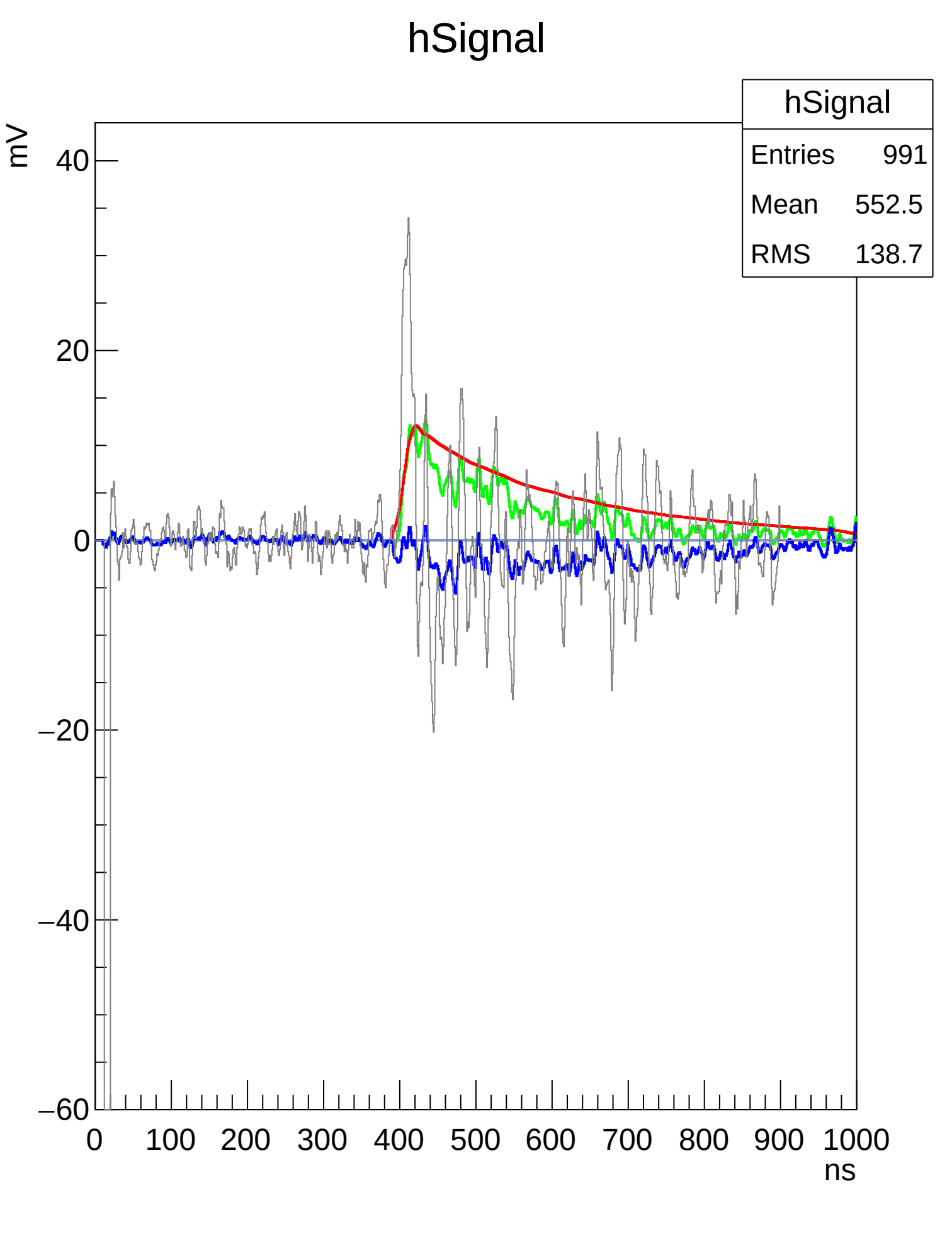
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.9
RMS 142.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.5
RMS 138.7
mV
40
20
0
−20
−40
−60
0
100
200
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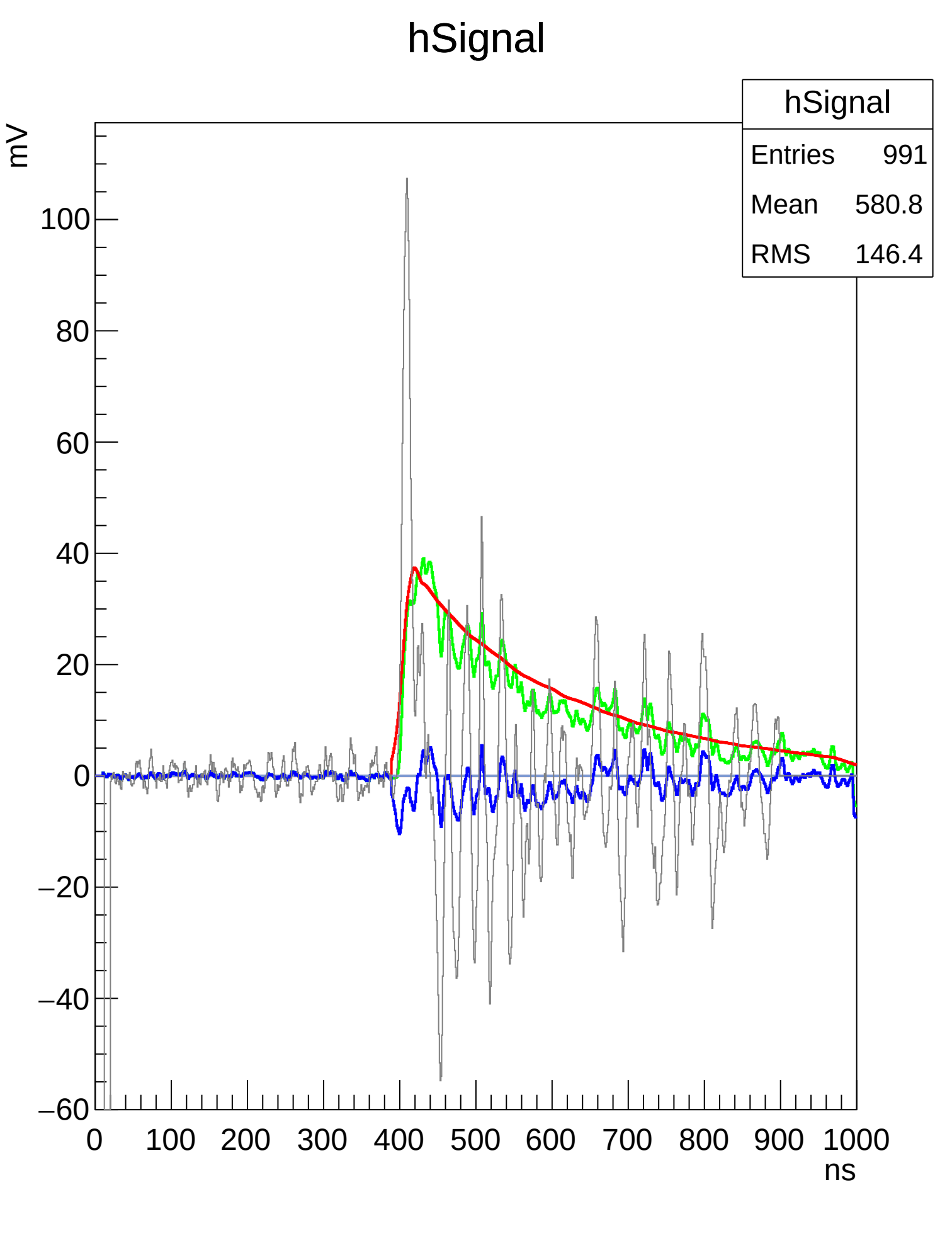
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.8
RMS 146.4
mV
100
80
60
40
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−20
−40
−60
0
100
200
300
400
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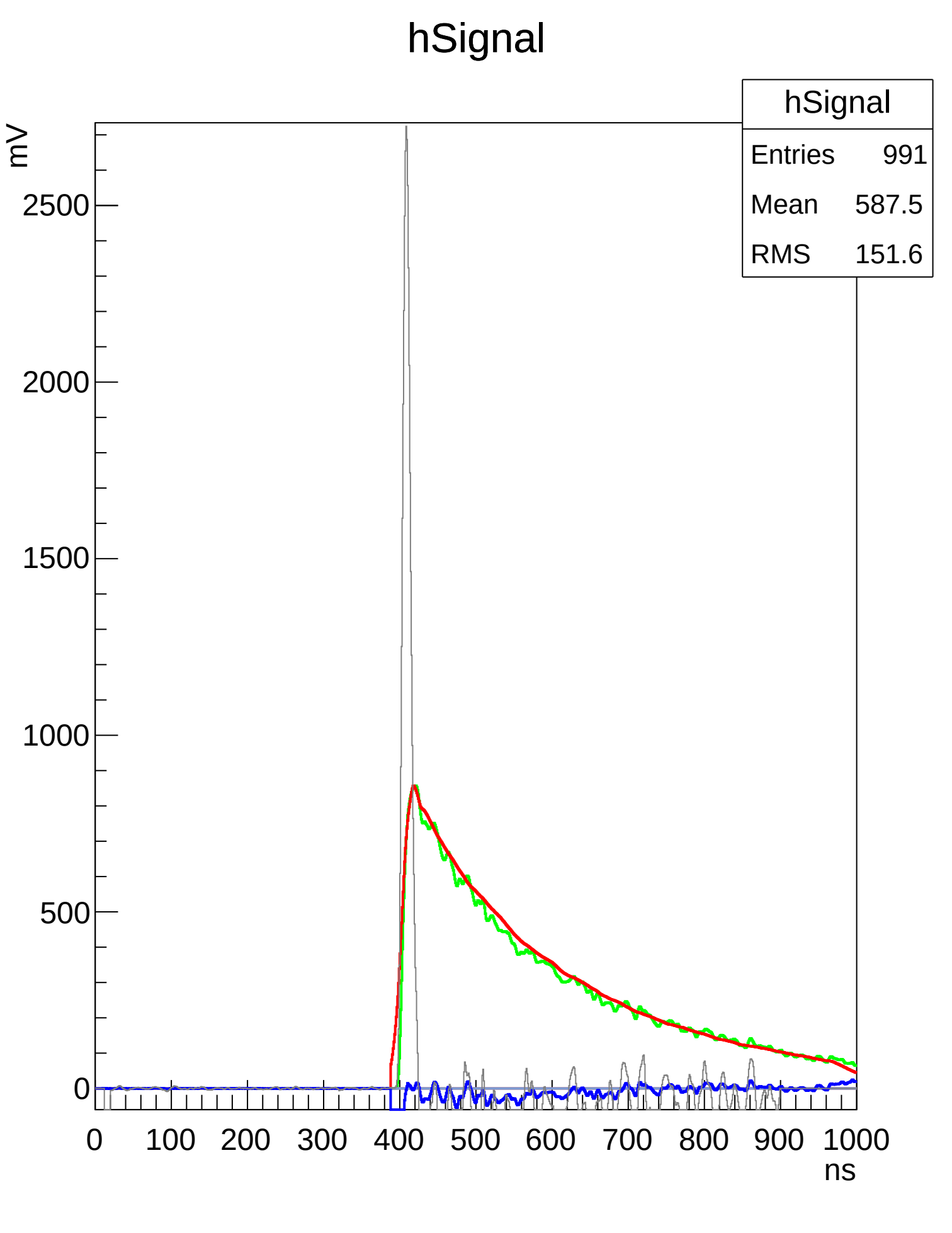
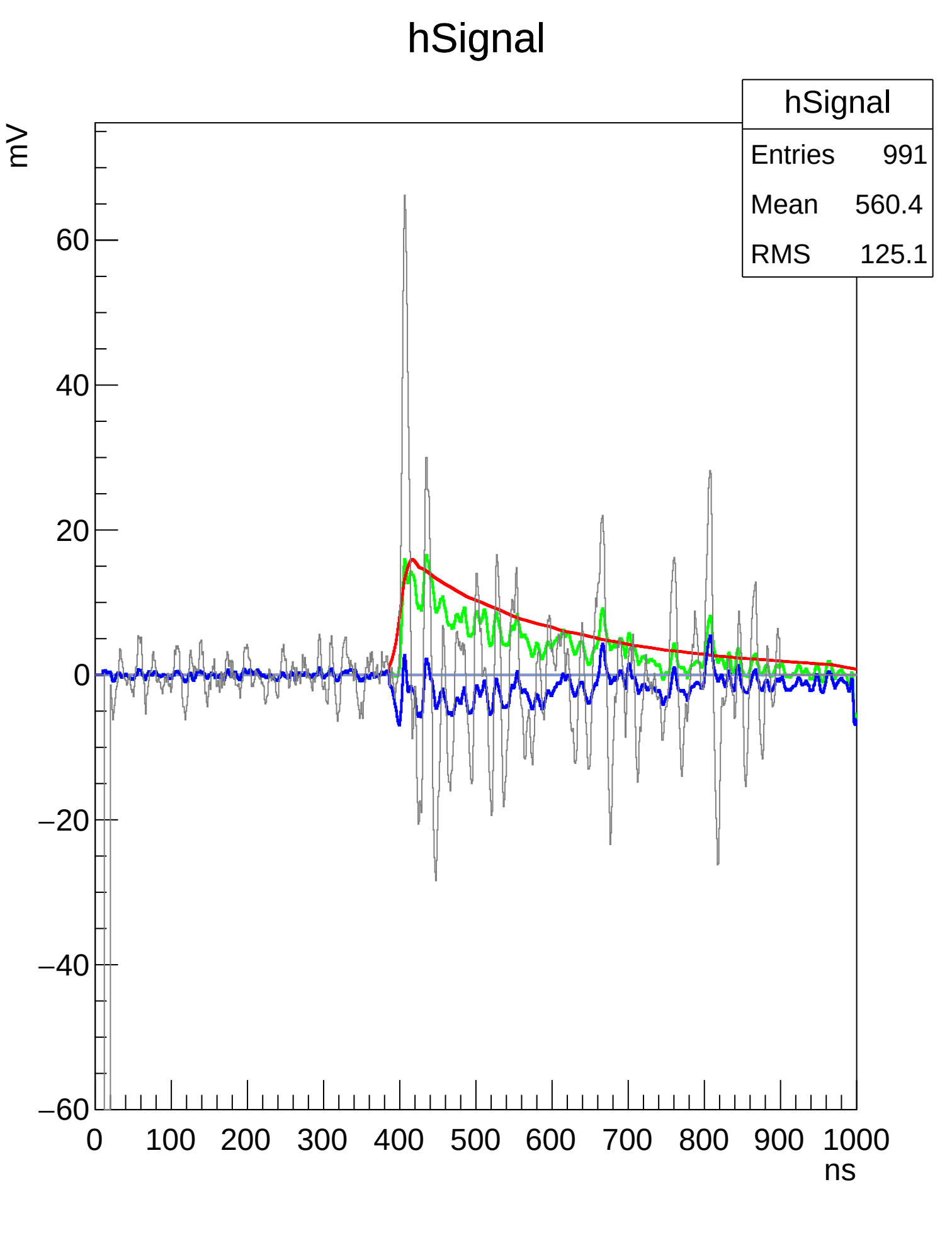
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 151.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.4
RMS 125.1
mV
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40
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−20
−40
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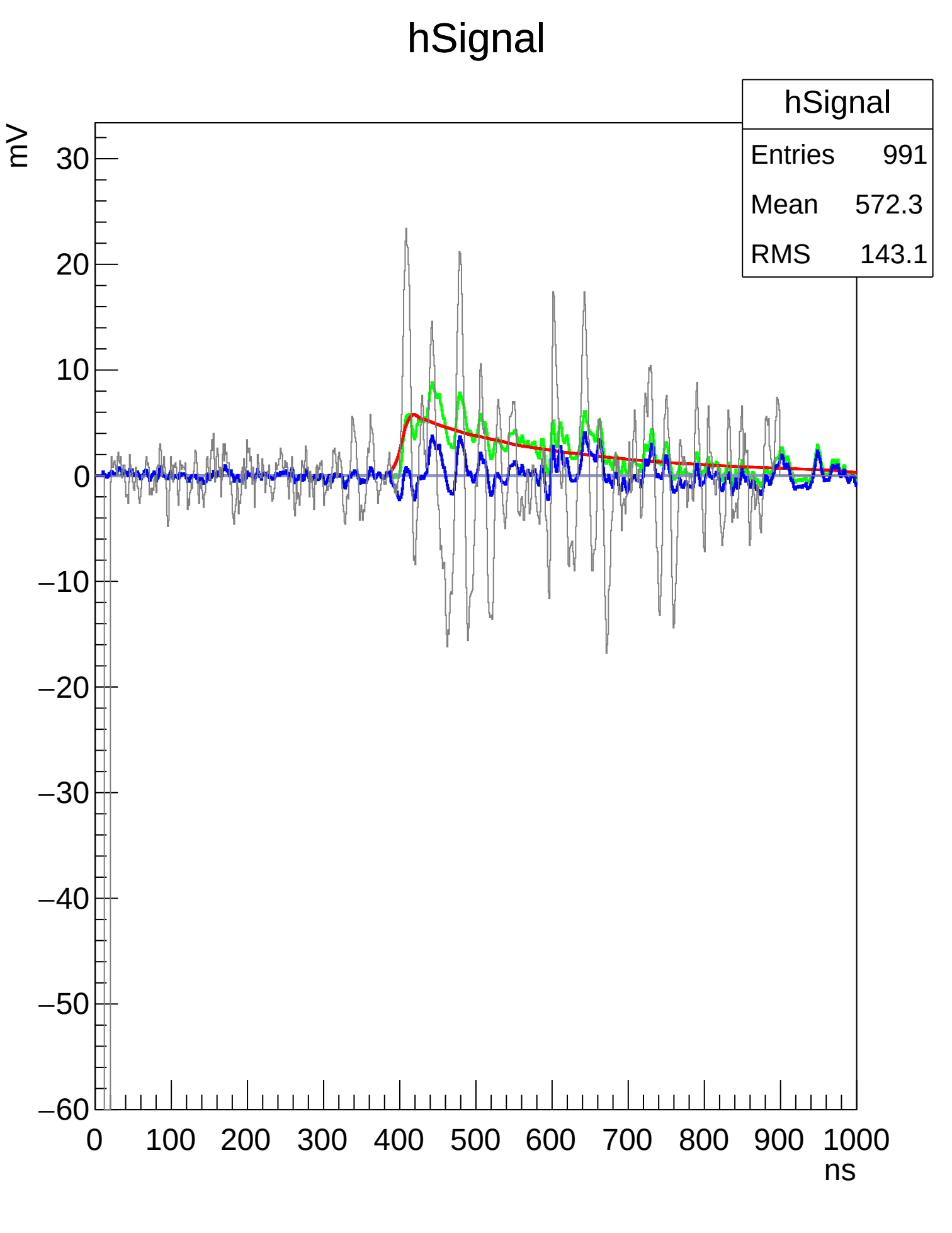
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.3
RMS 143.1
mV
30
20
10
0
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−40
−50
−60
0
100
200
300
400
500
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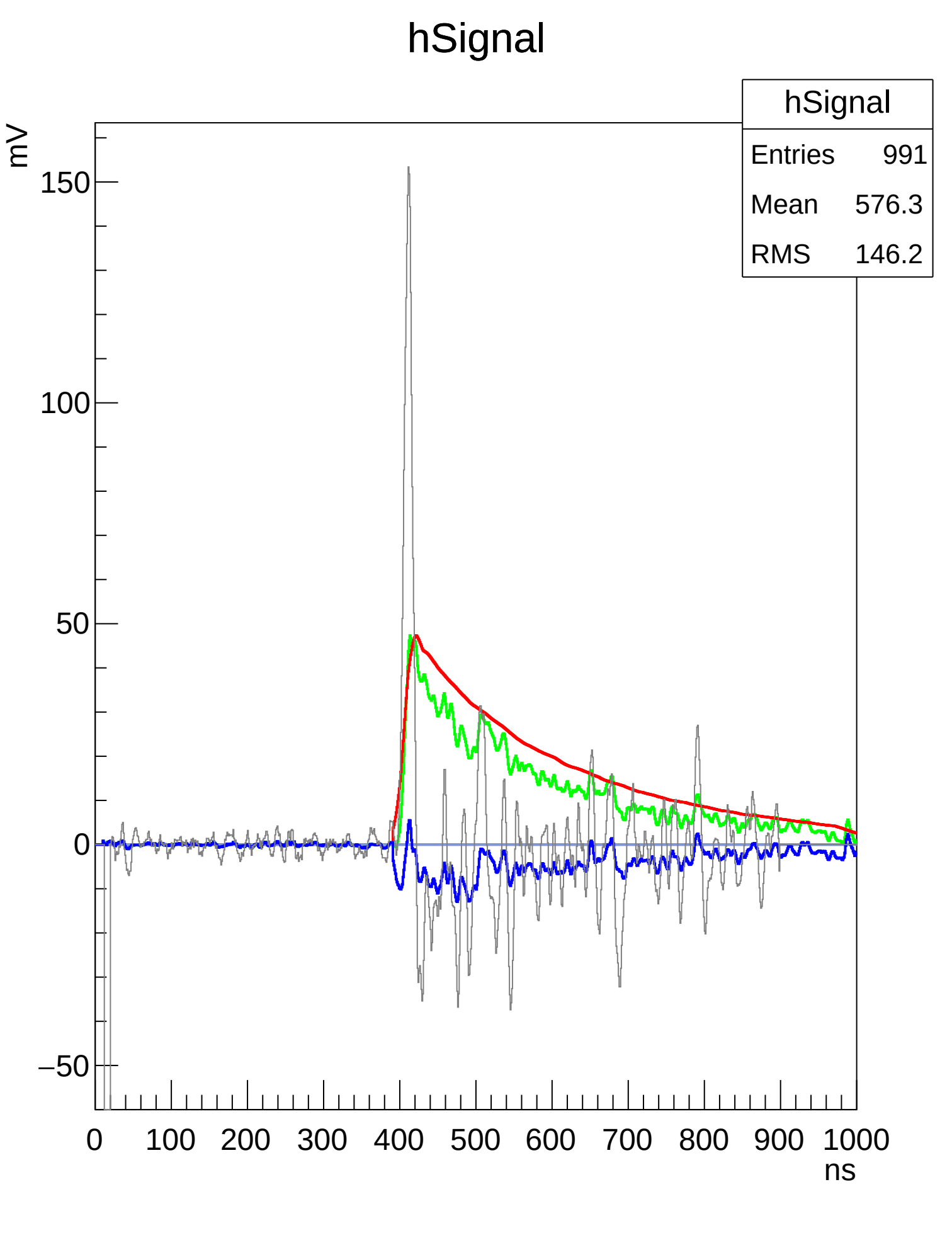
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.3
RMS 146.2
mV
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100
50
0
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0
100
200
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800
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1000
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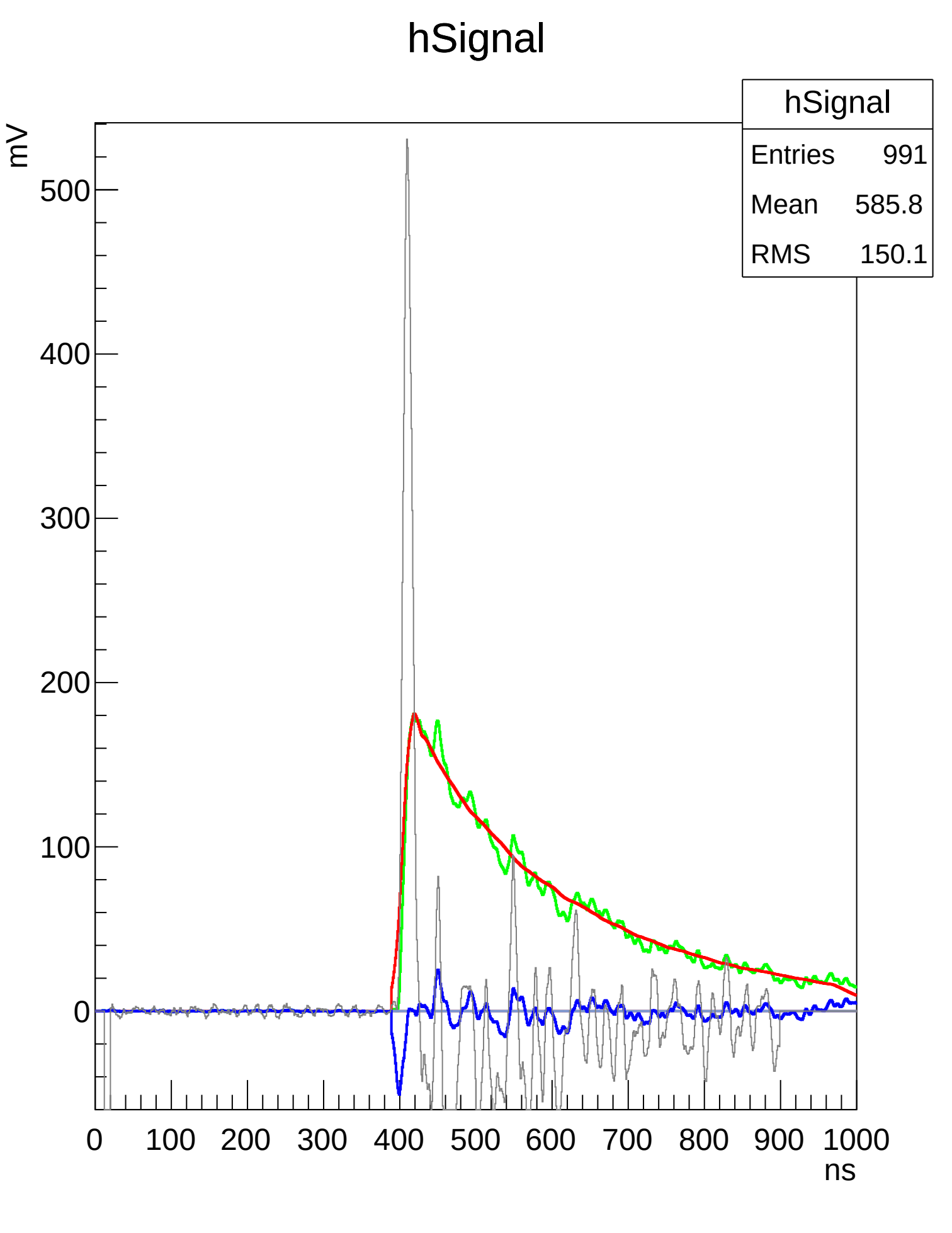
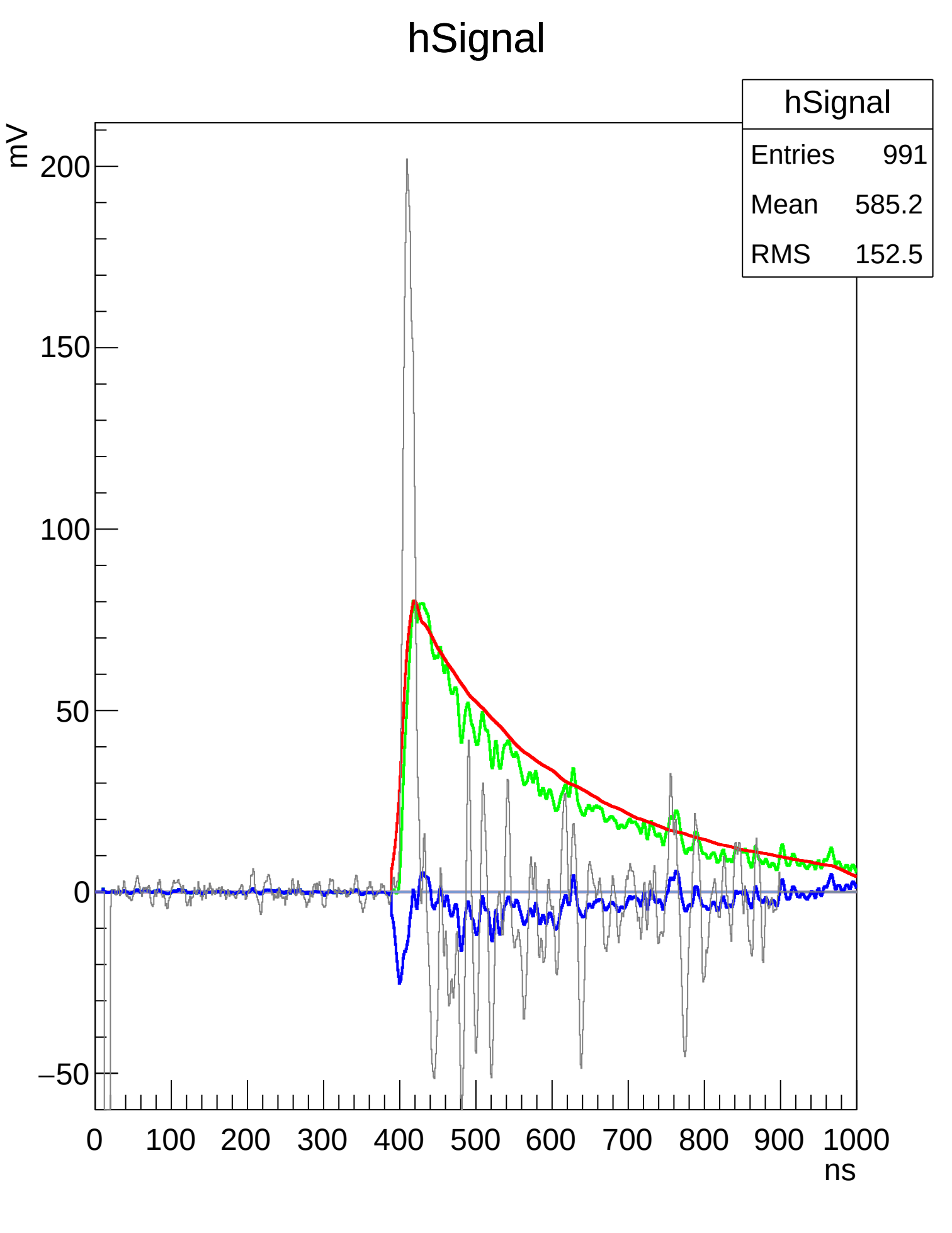

hSignal
hSignal
Entries 991
Mean 585.8
RMS 150.1
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 585.2
RMS 152.5
mV
200
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100
50
0
−50
0
100
200
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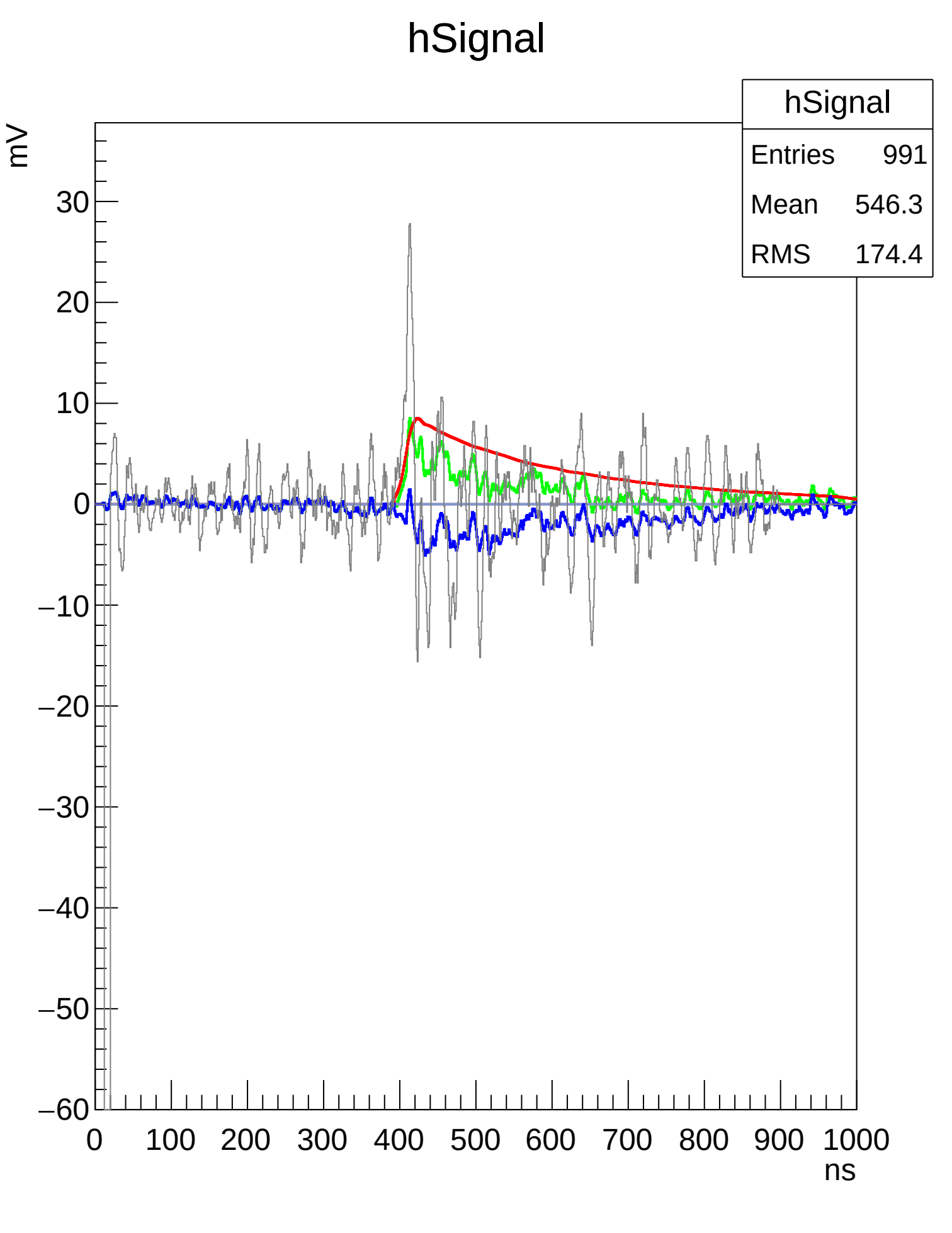
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.3
RMS 174.4
mV
30
20
10
0
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−50
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0
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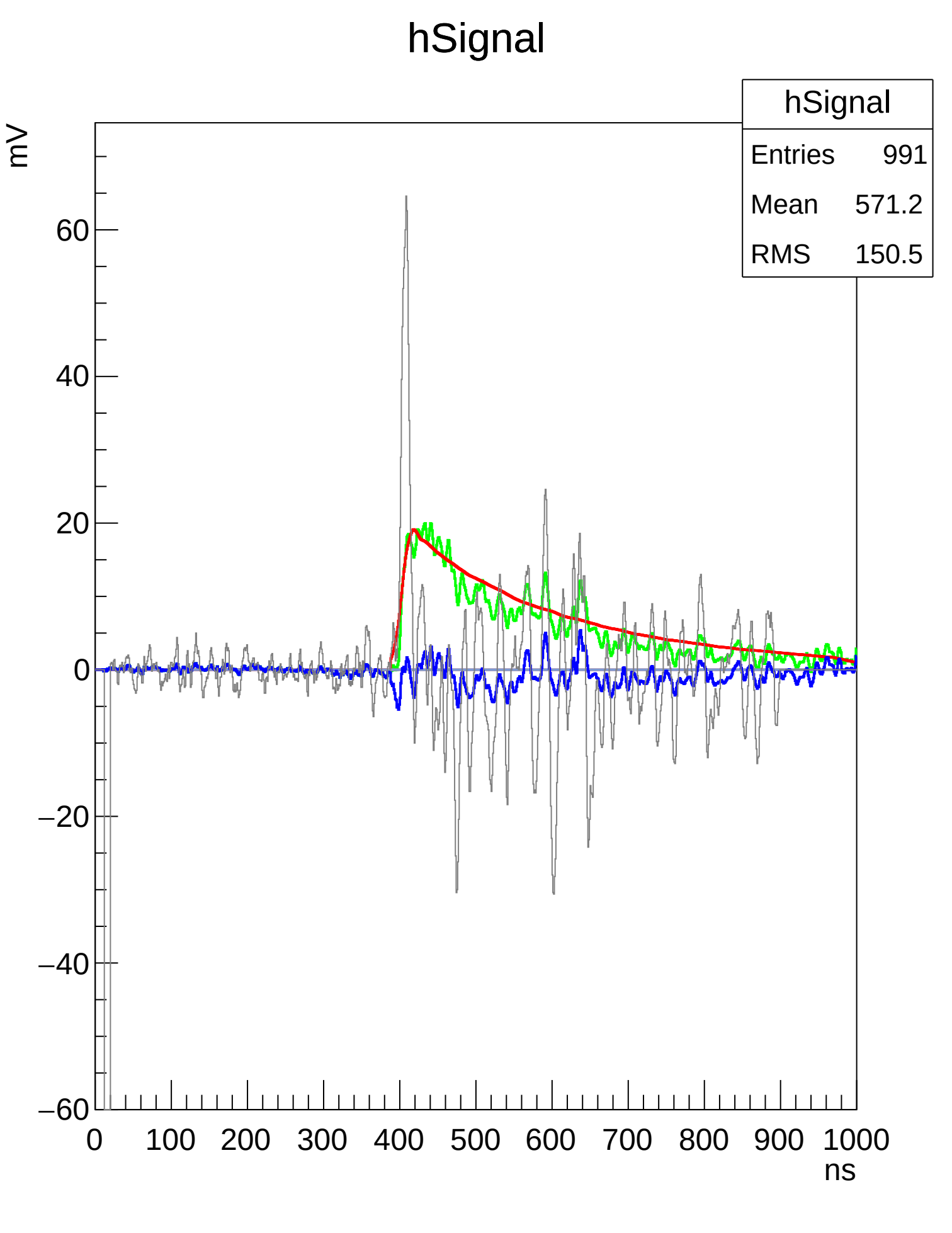
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.2
RMS 150.5
mV
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400
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600
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800
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1000
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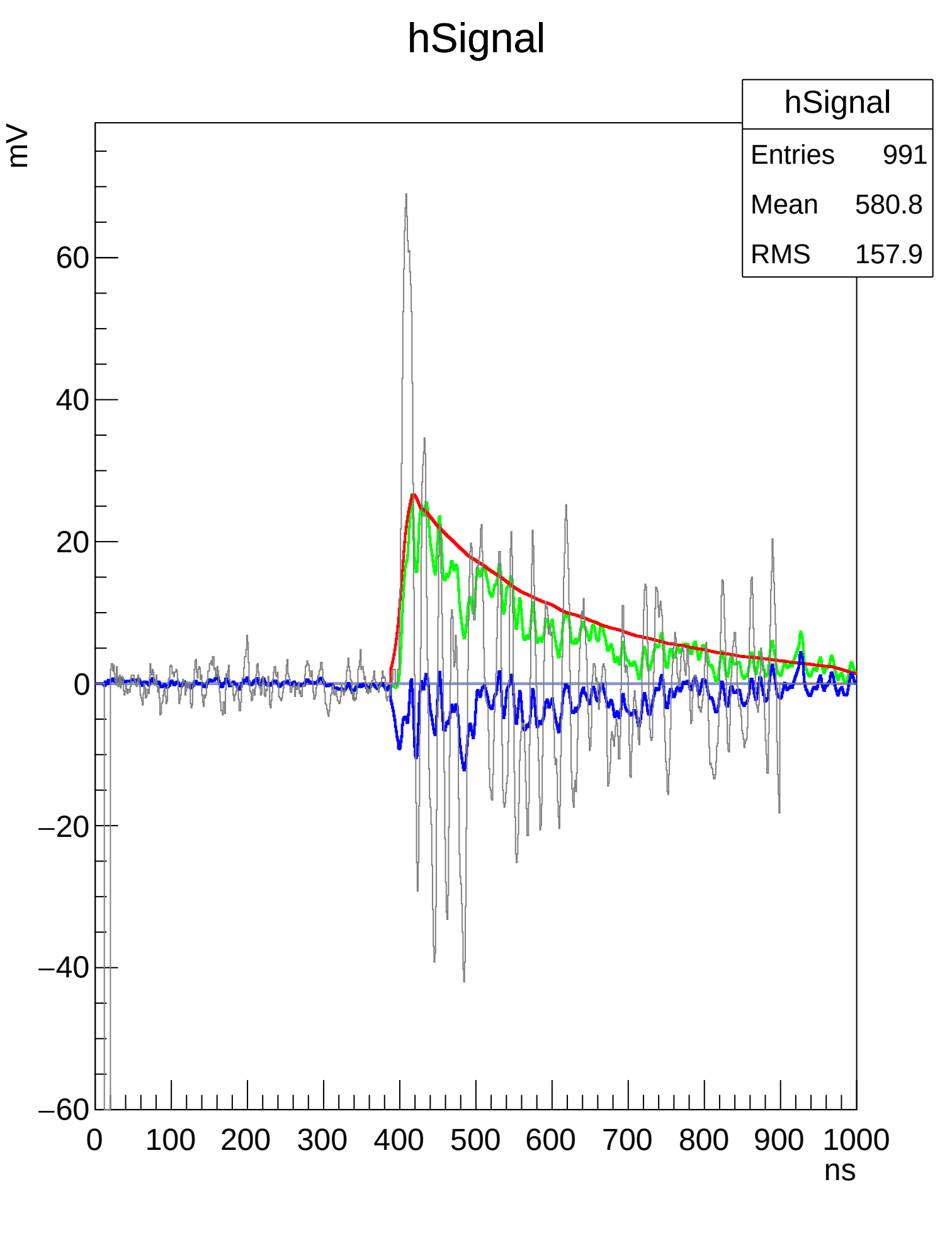
hSignal
hSignal
Entries 991
Mean 580.8
RMS 157.9
mV
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−20
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0
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200
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400
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600
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800
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1000
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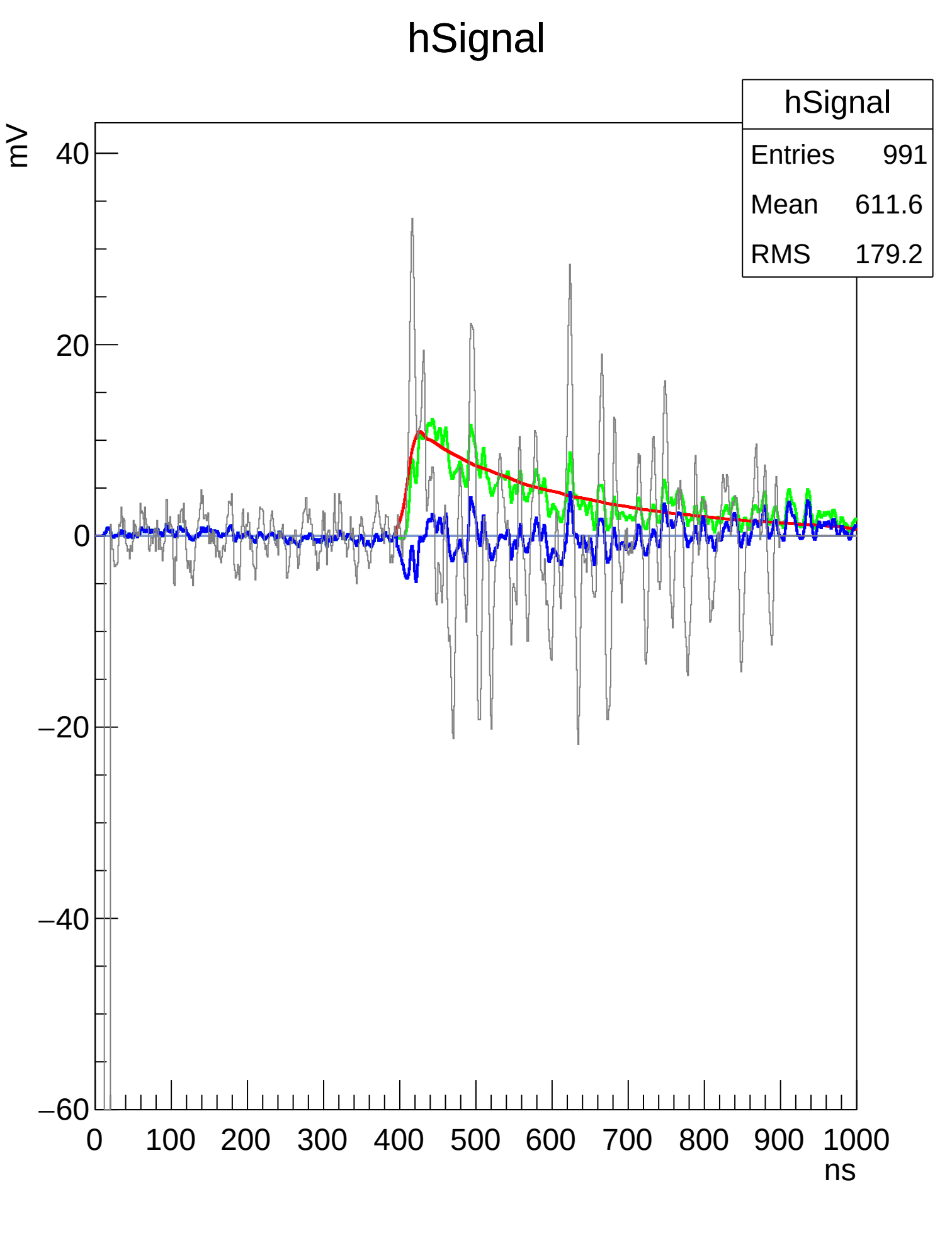
hSignal
hSignal
Entries 991
Mean 611.6
RMS 179.2
mV
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−20
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0
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800
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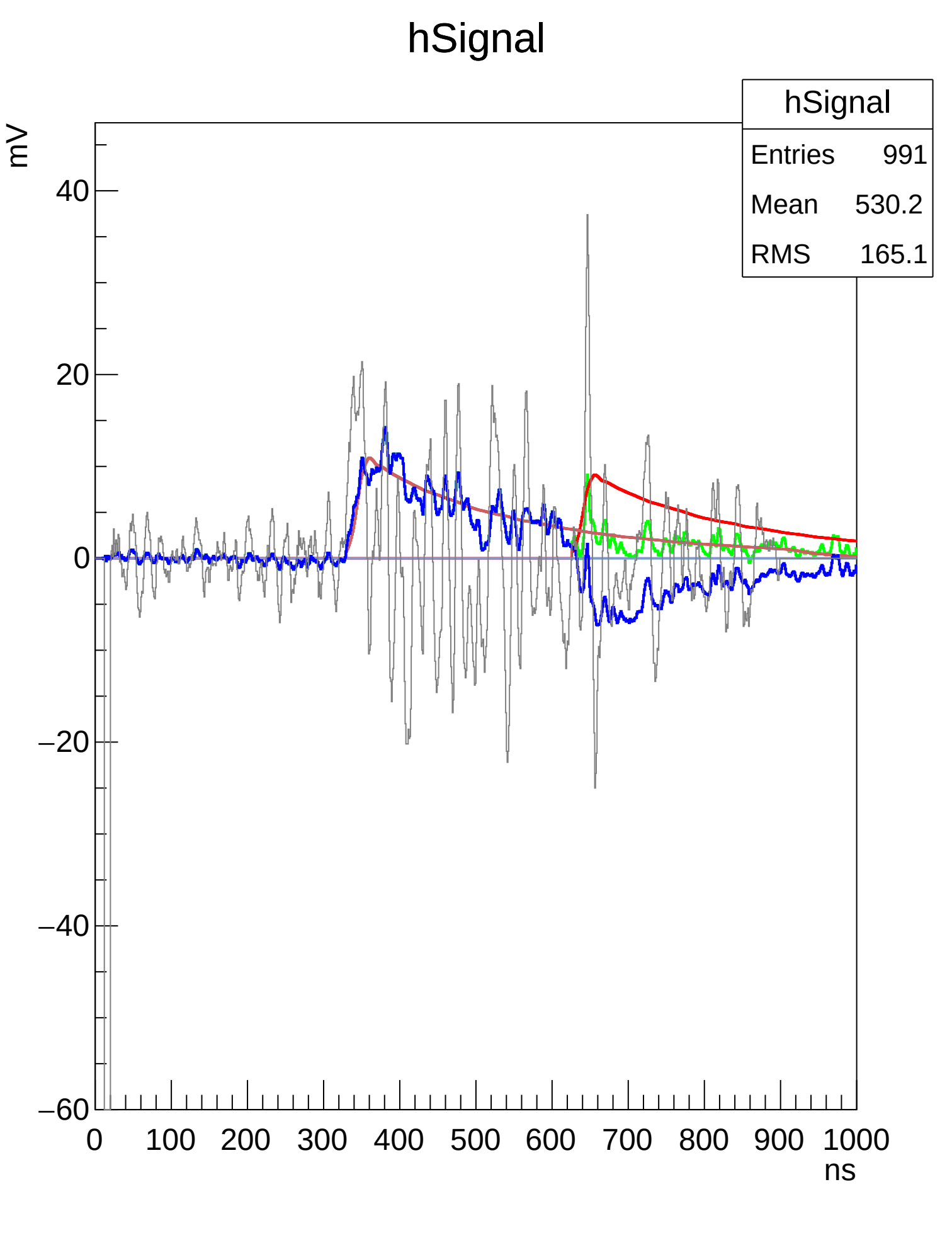
1000
ns


hSignal
hSignal
Entries 991
Mean 530.2
RMS 165.1
mV
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−20
−40
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0
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600
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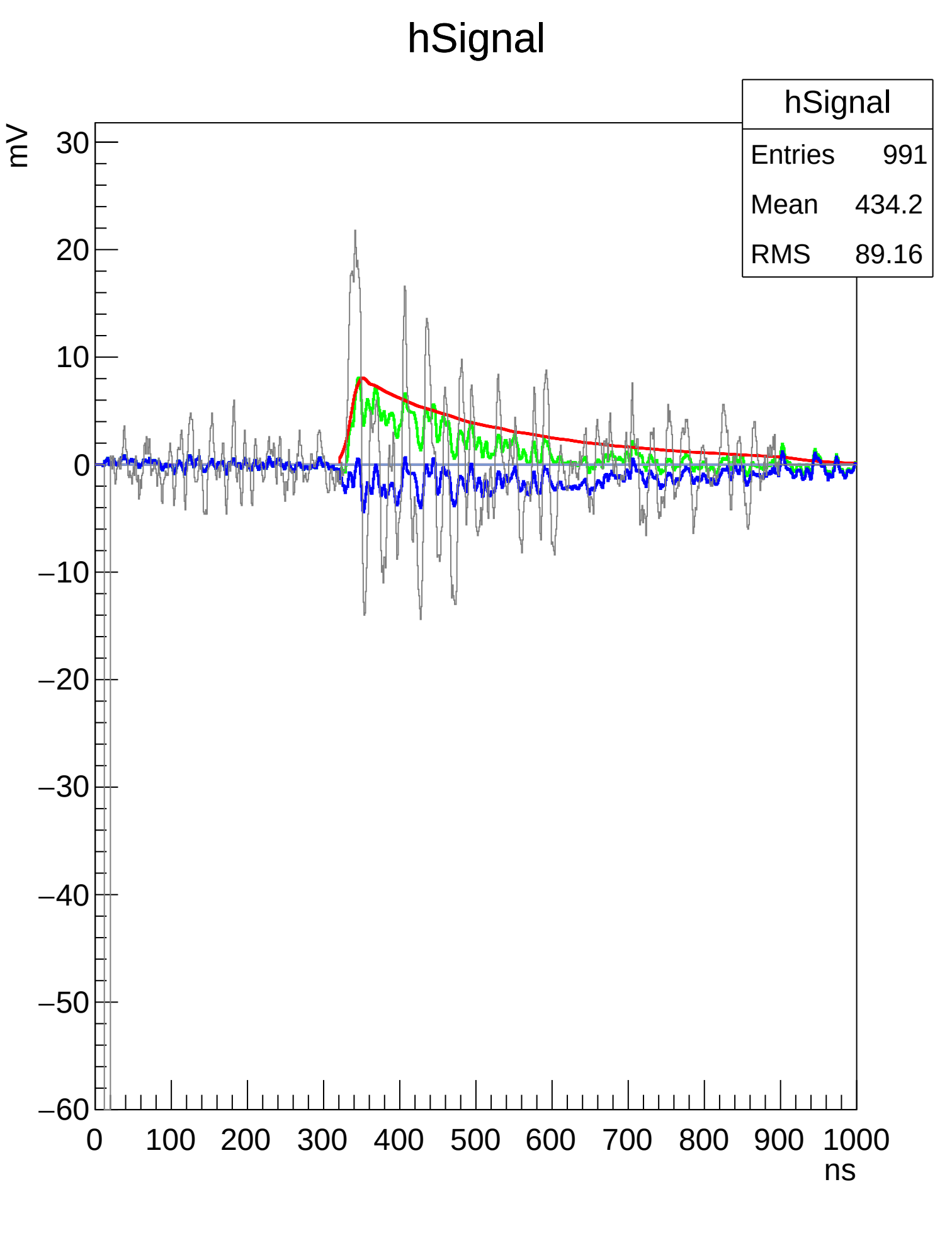
1000
ns


hSignal
hSignal
Entries 991
Mean 434.2
RMS 89.16
mV
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1000
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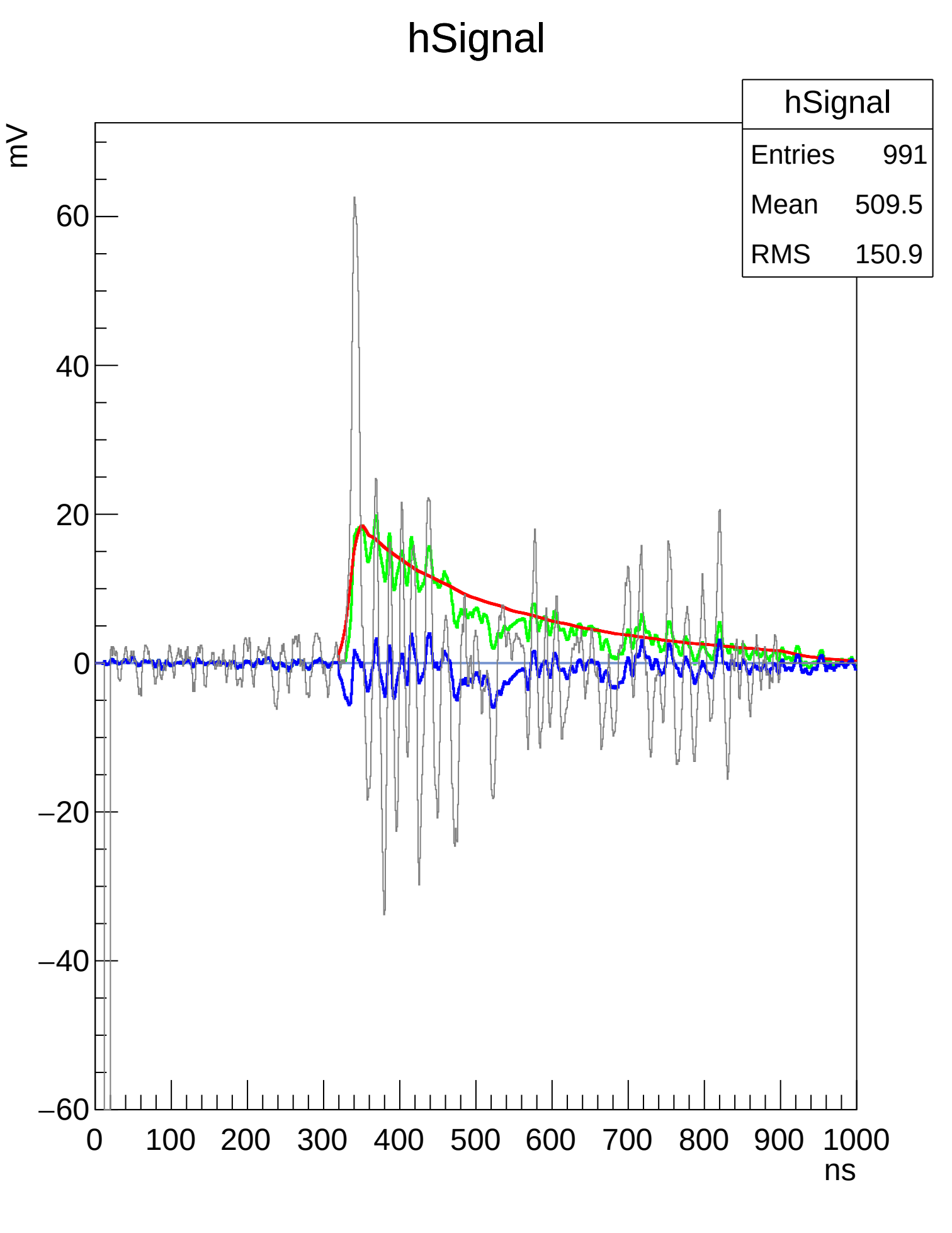
hSignal
hSignal
Entries 991
Mean 509.5
RMS 150.9
mV
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0
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800
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1000
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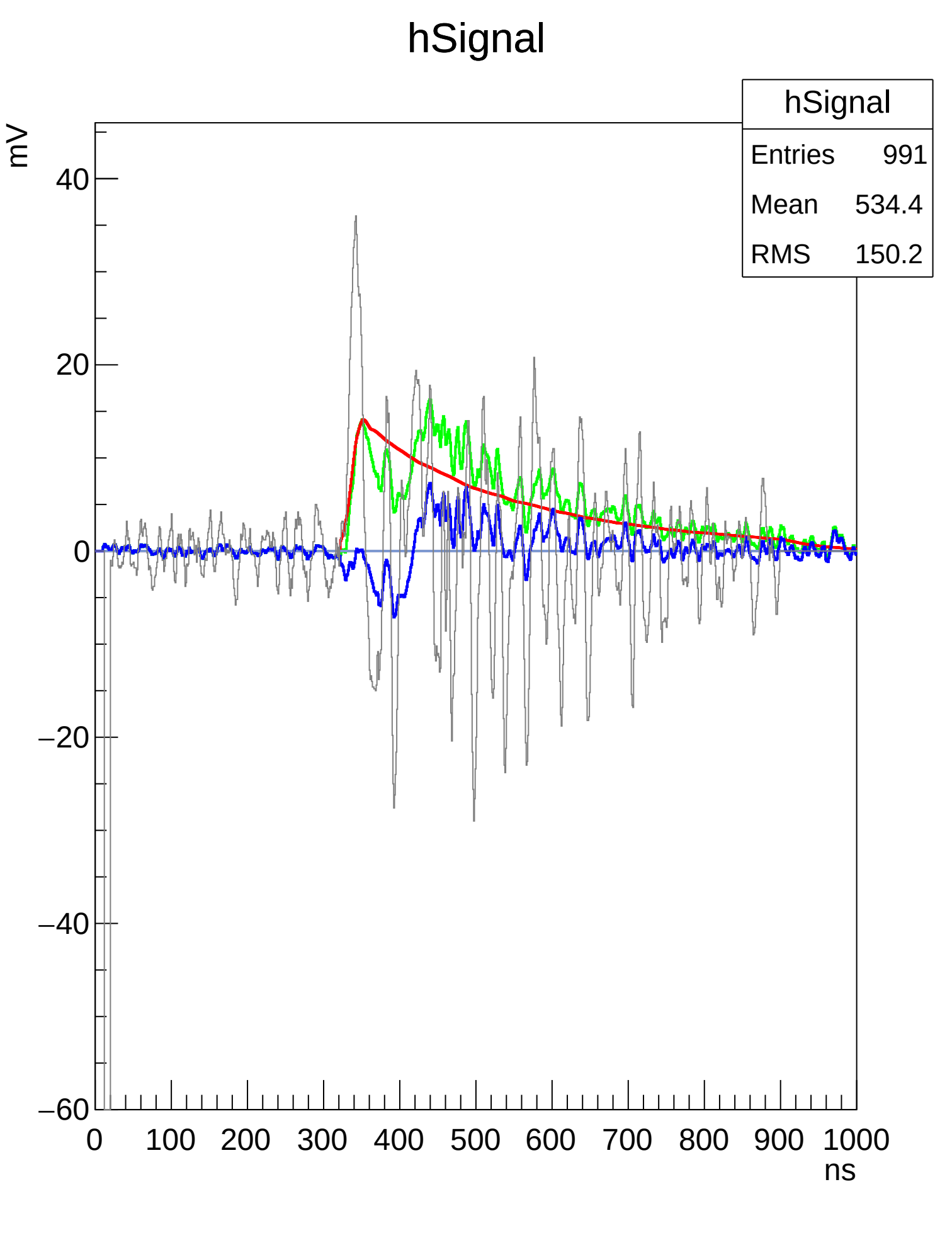
hSignal
hSignal
Entries 991
Mean 534.4
RMS 150.2
mV
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−20
−40
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0
100
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600
700
800
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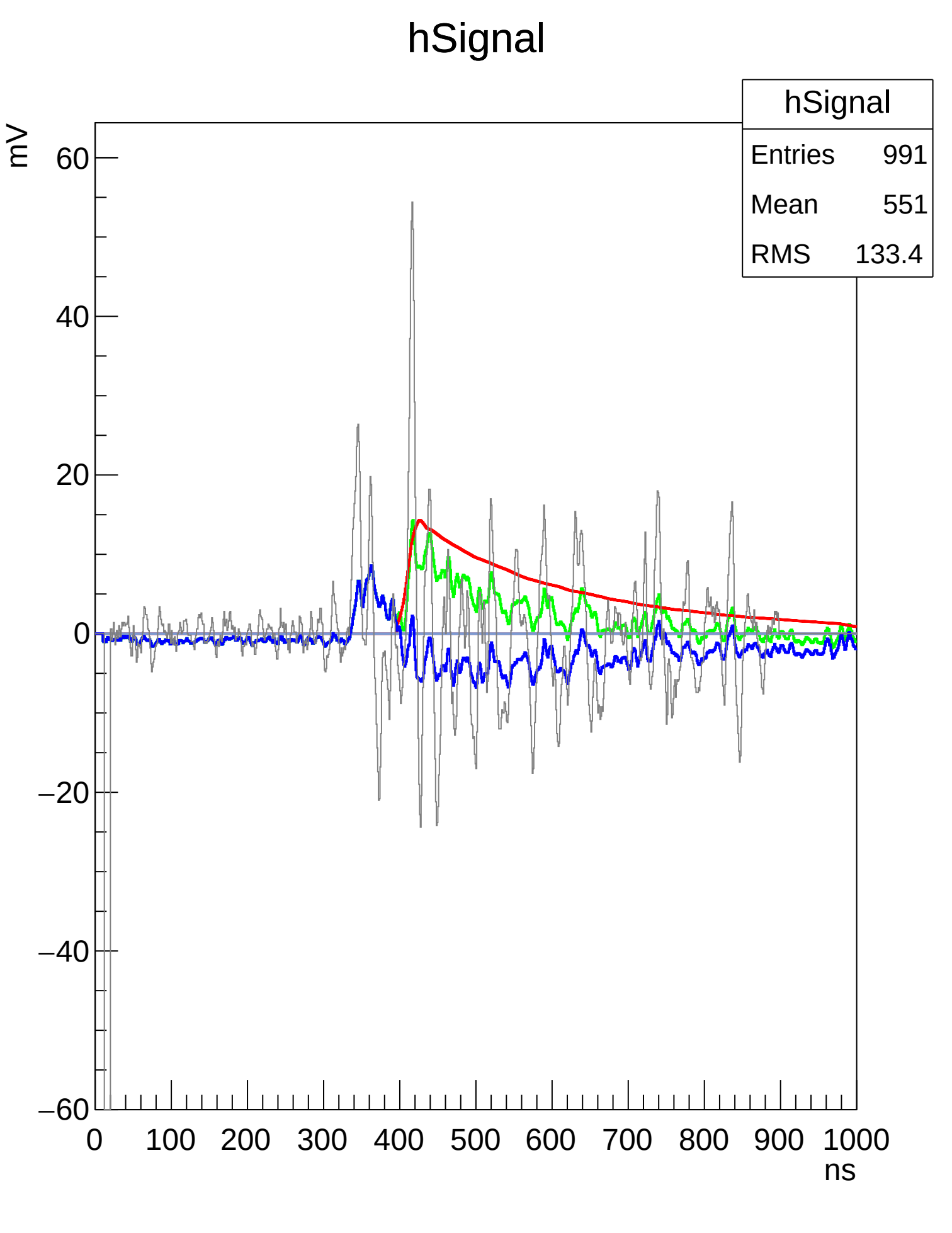
1000
ns


hSignal
hSignal
Entries 991
Mean 551
RMS 133.4
mV
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−40
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100
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600
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1000
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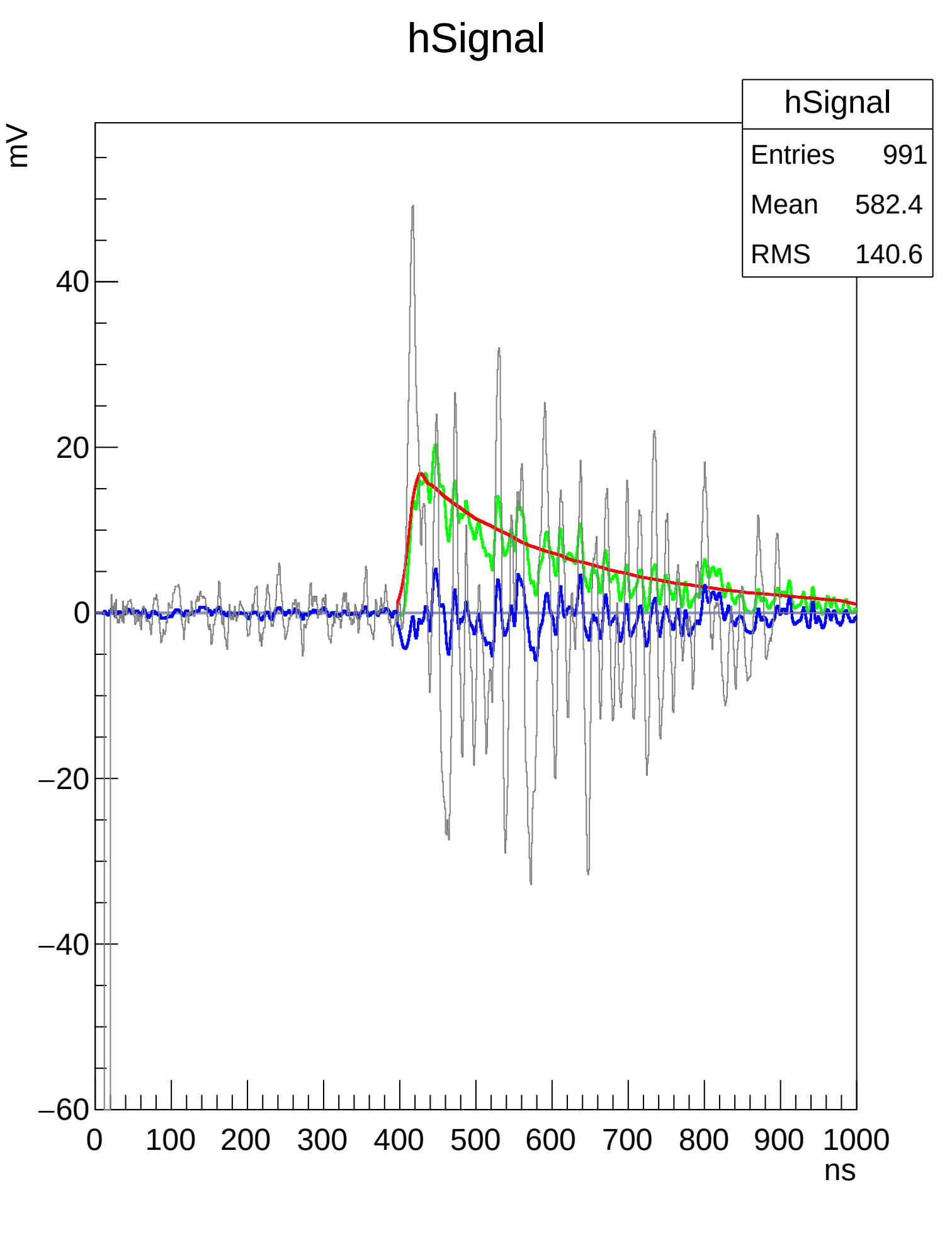
hSignal
hSignal
Entries 991
Mean 582.4
RMS 140.6
mV
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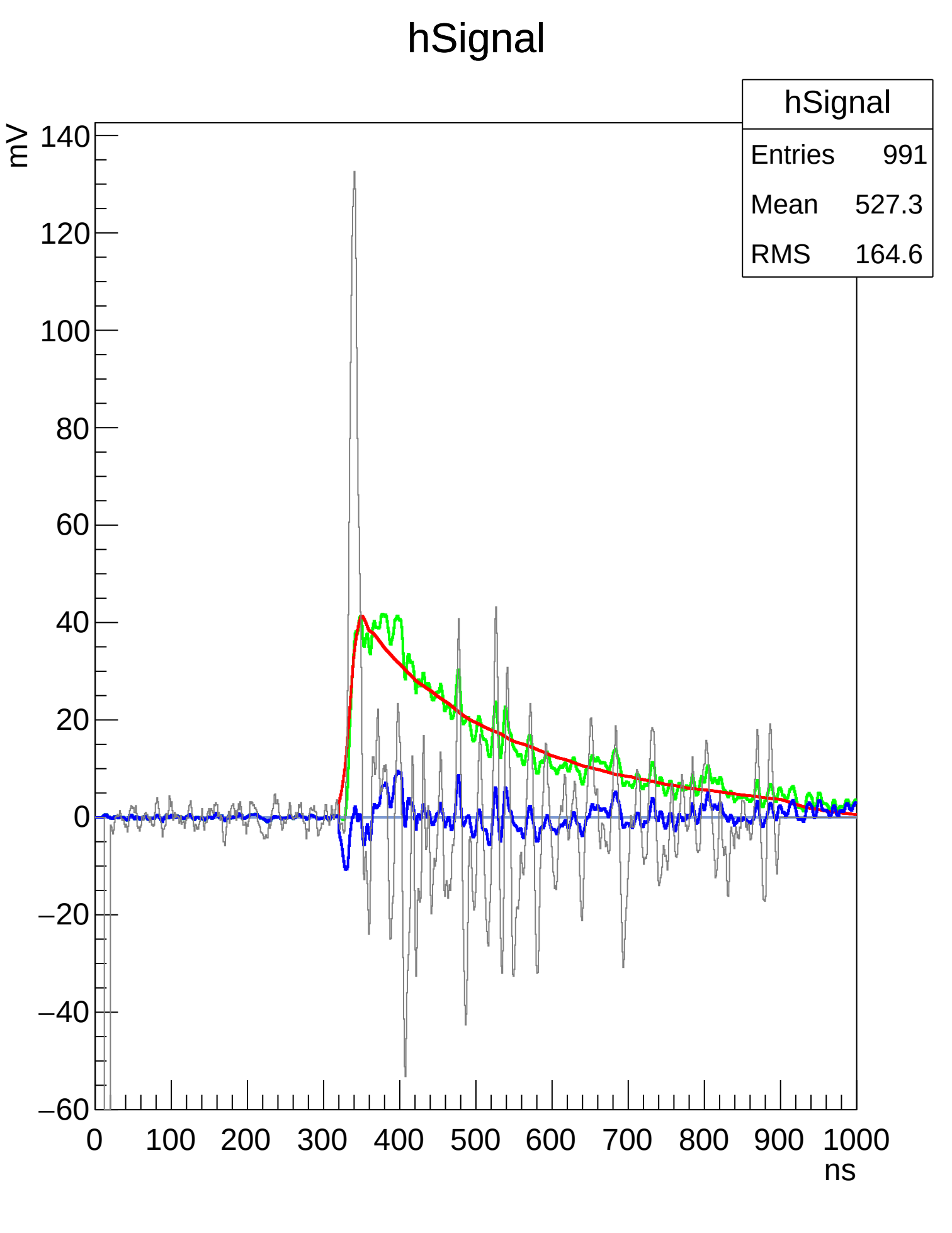
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.3
RMS 164.6
mV
140
120
100
80
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40
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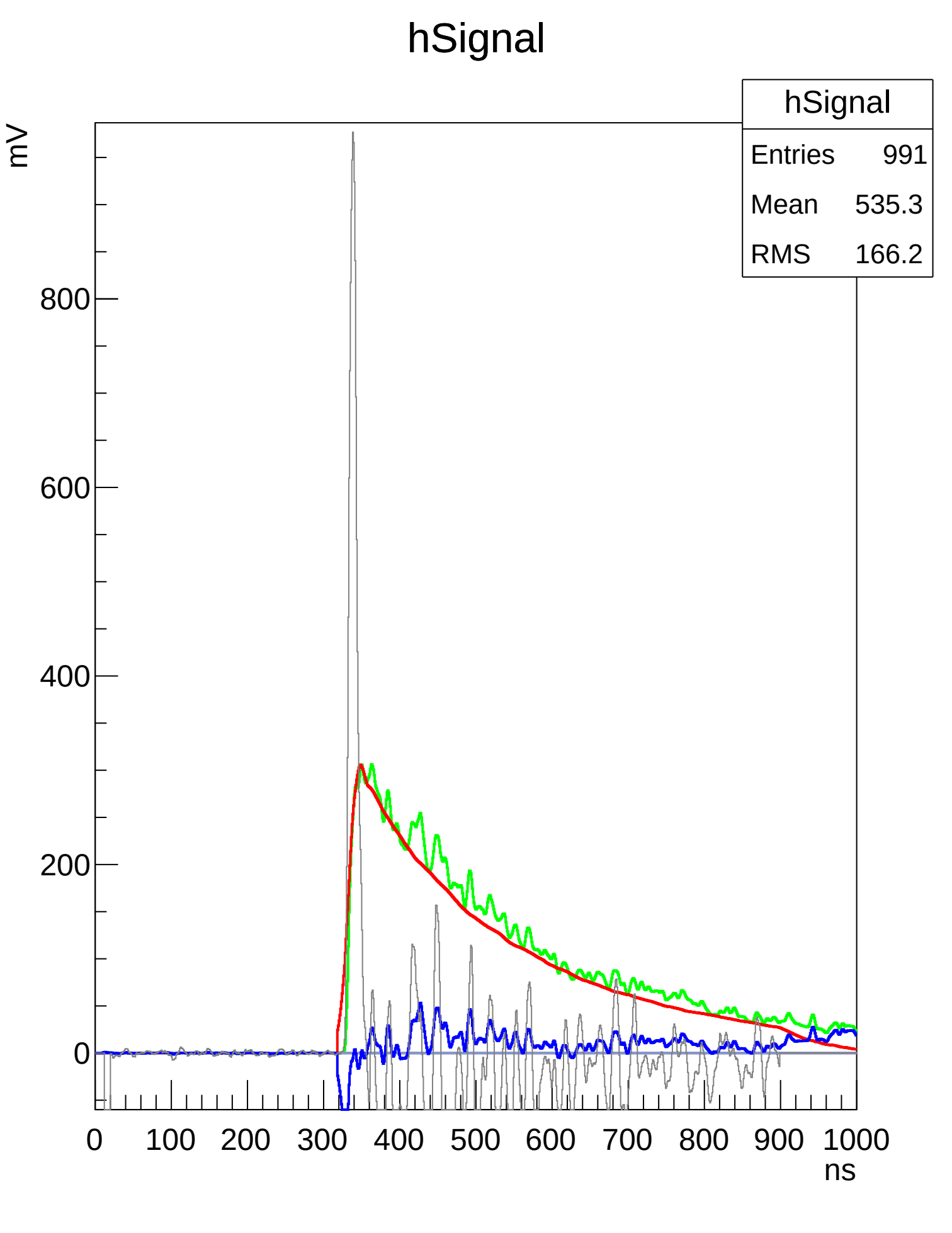
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.3
RMS 166.2
mV
800
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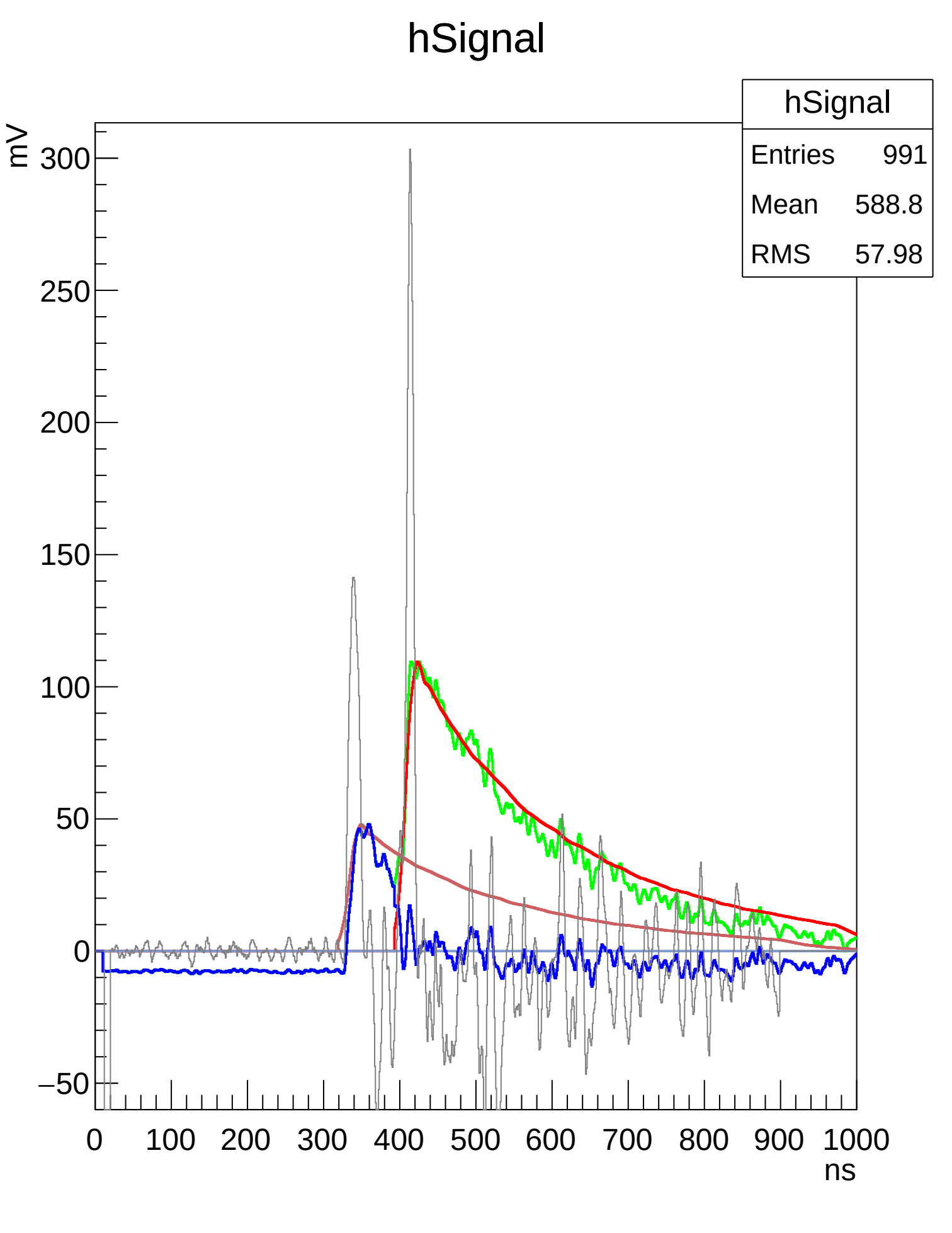
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 588.8
RMS 57.98
mV
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250
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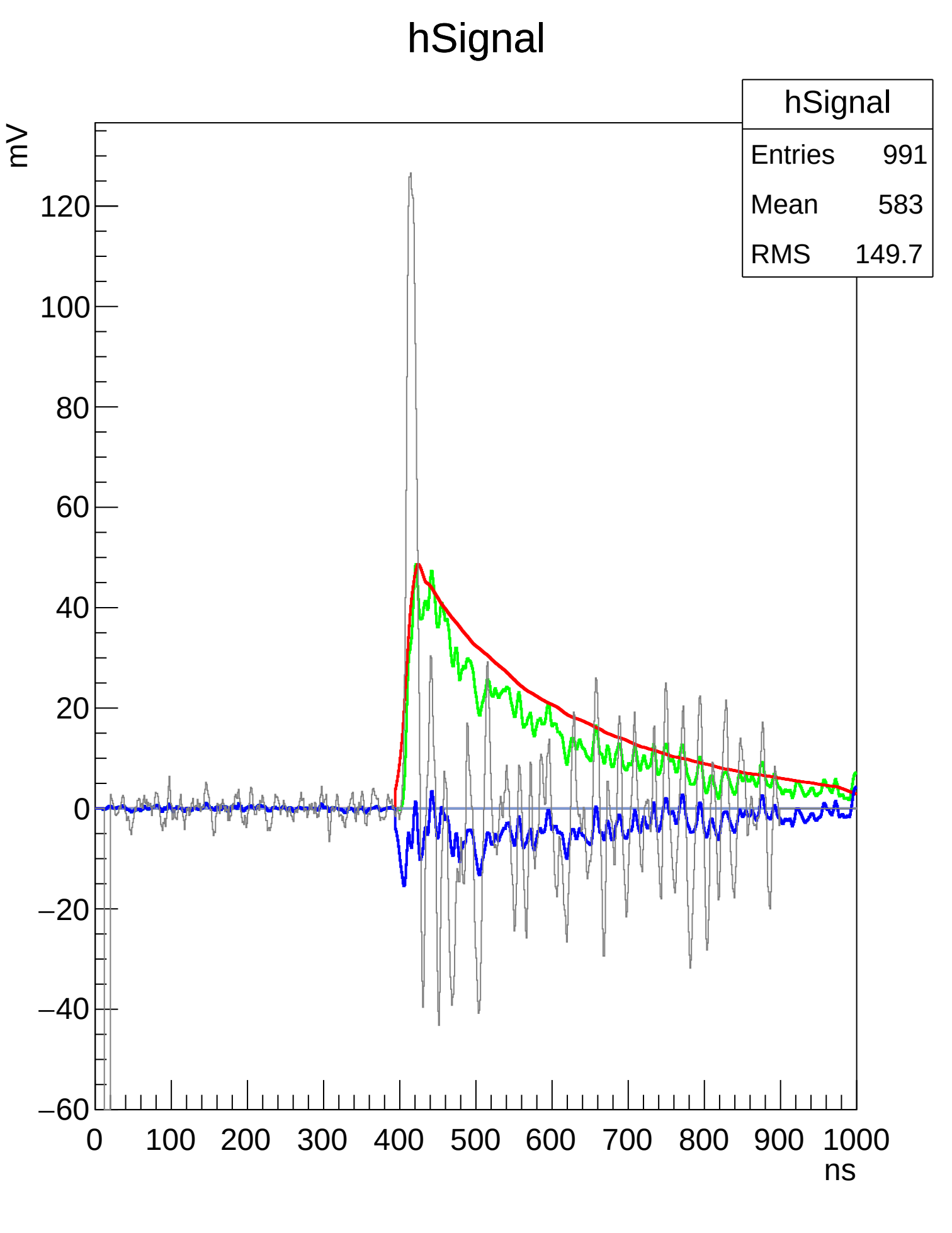
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583
RMS 149.7
mV
120
100
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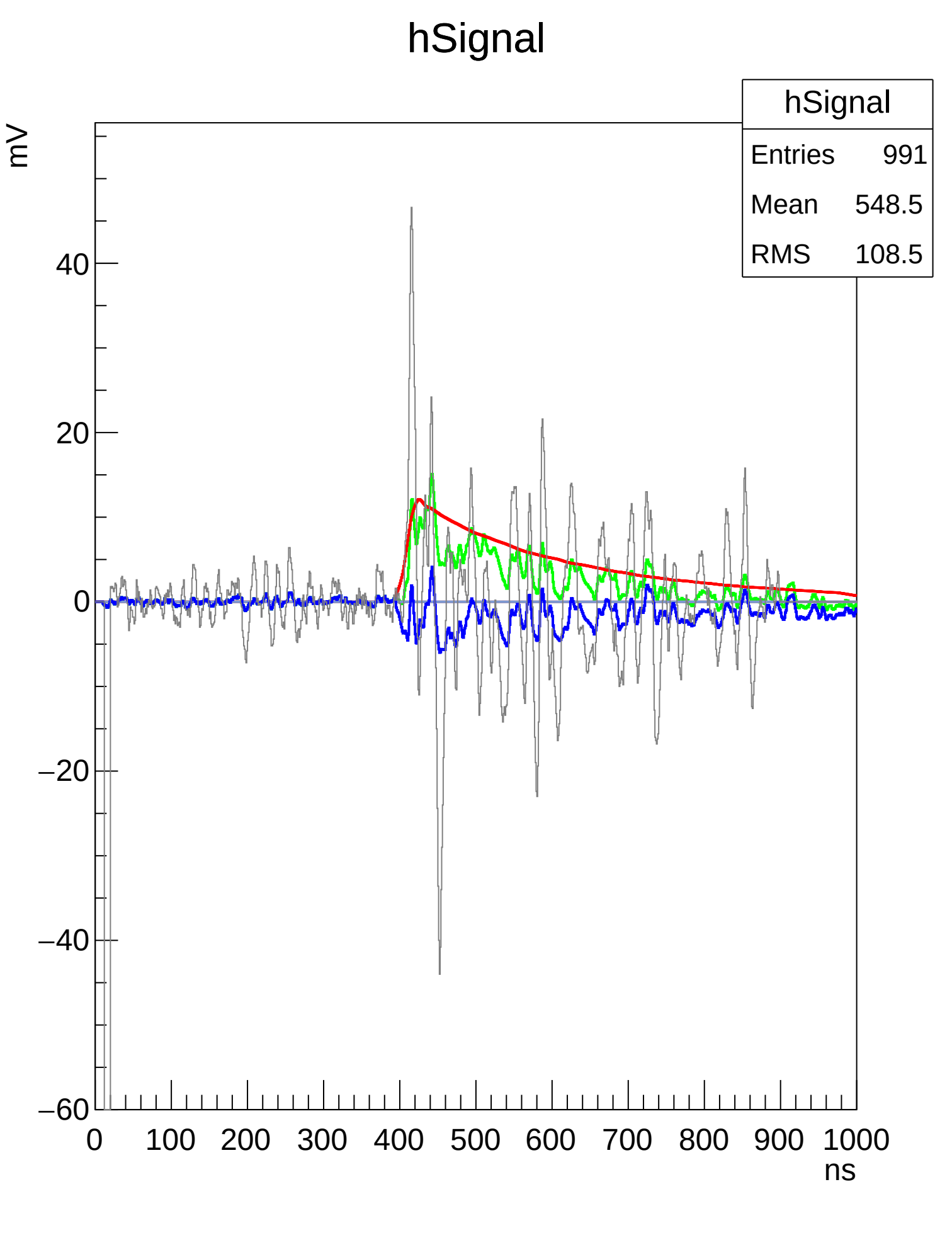
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.5
RMS 108.5
mV
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−20
−40
−60
0
100
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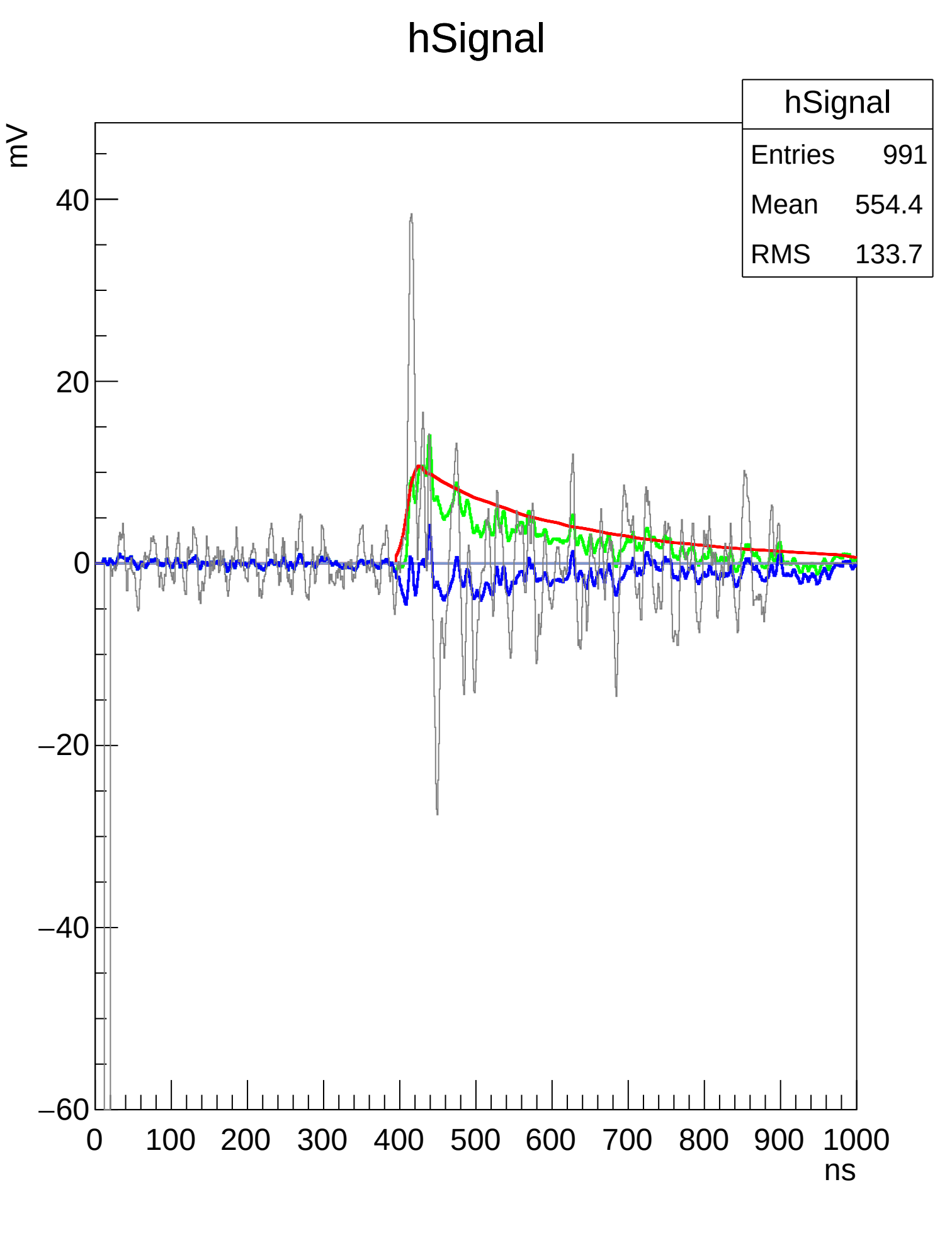
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.4
RMS 133.7
mV
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−20
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100
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600
700
800
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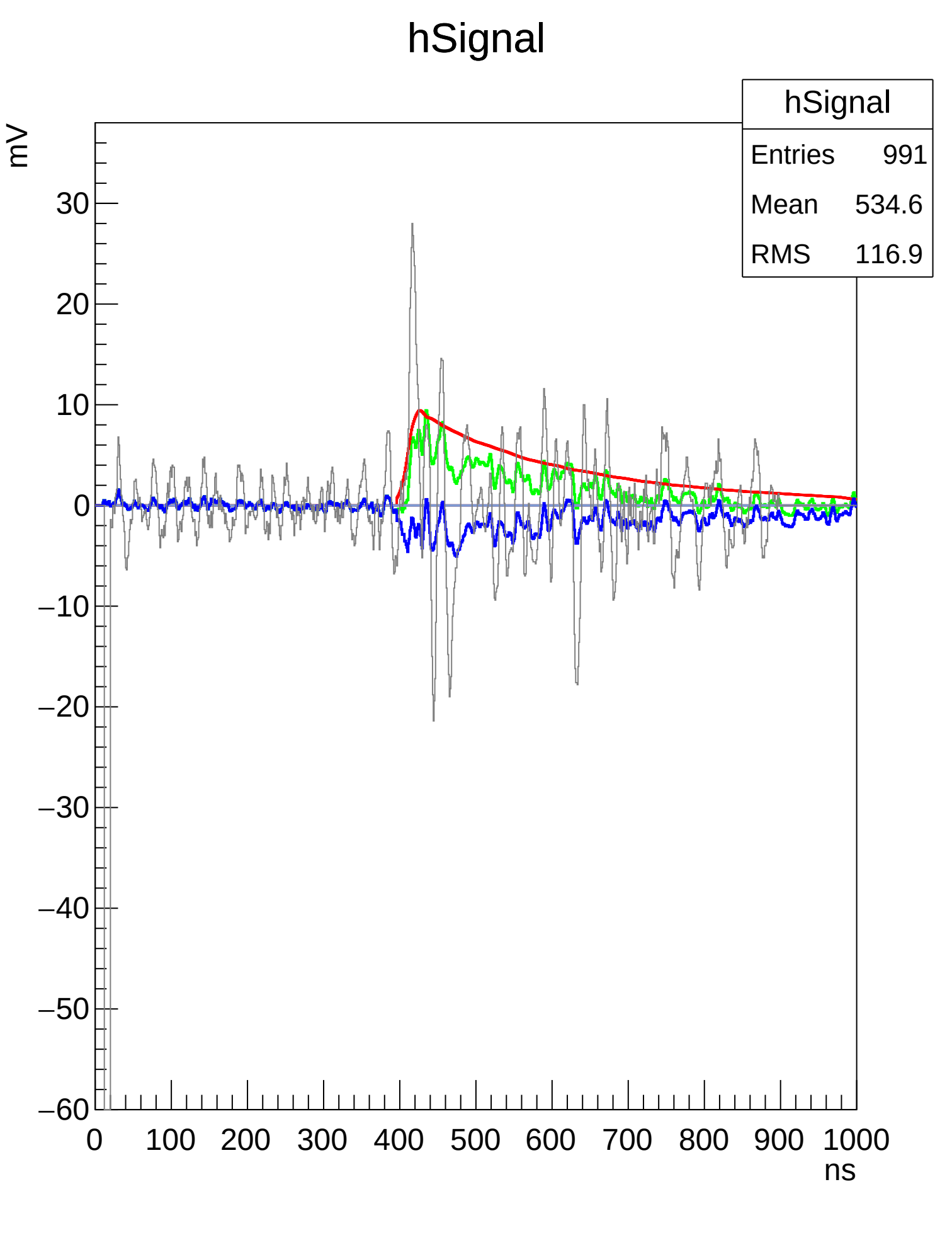
1000
ns


hSignal
hSignal
Entries 991
Mean 534.6
RMS 116.9
mV
30
20
10
0
−10
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−40
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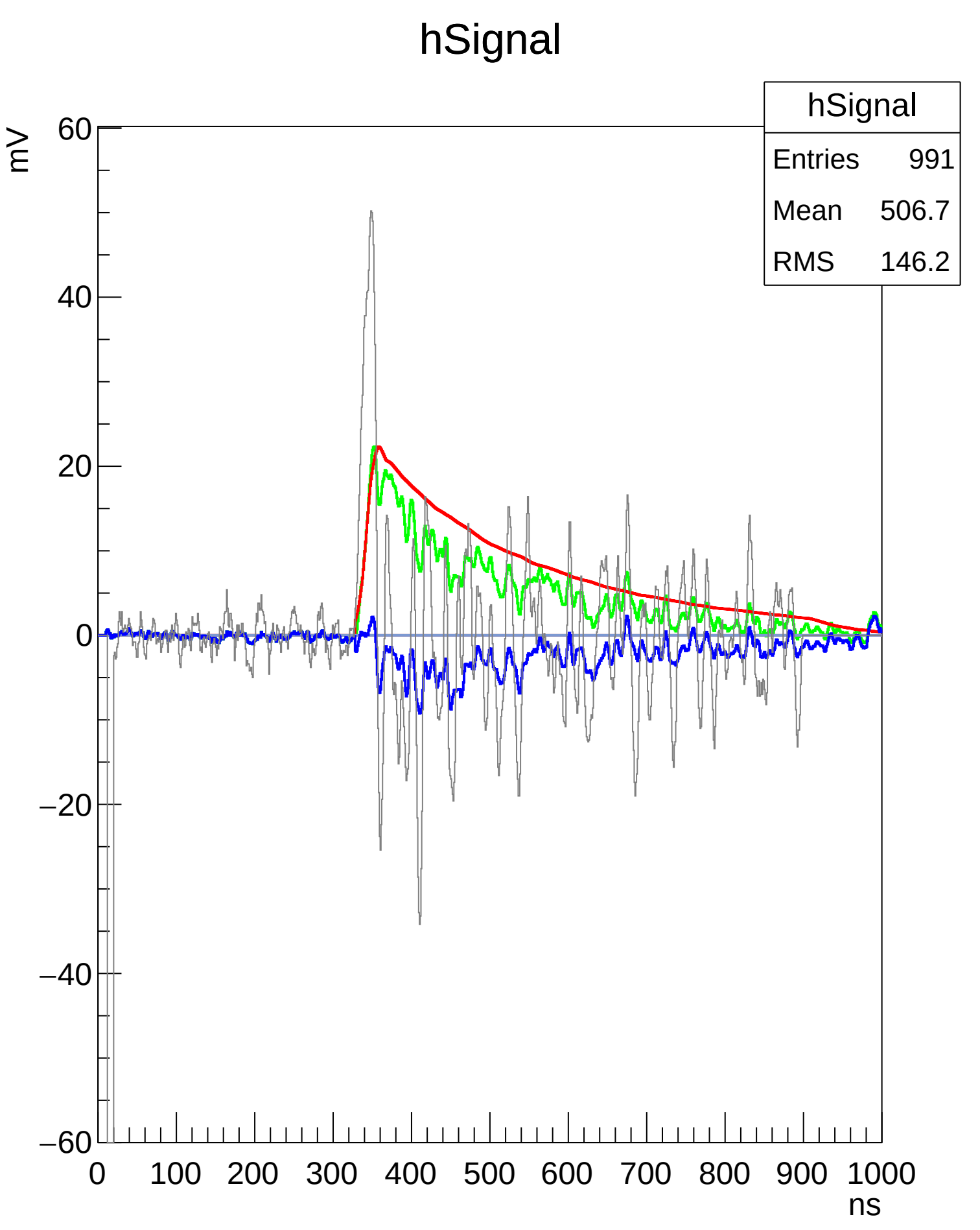
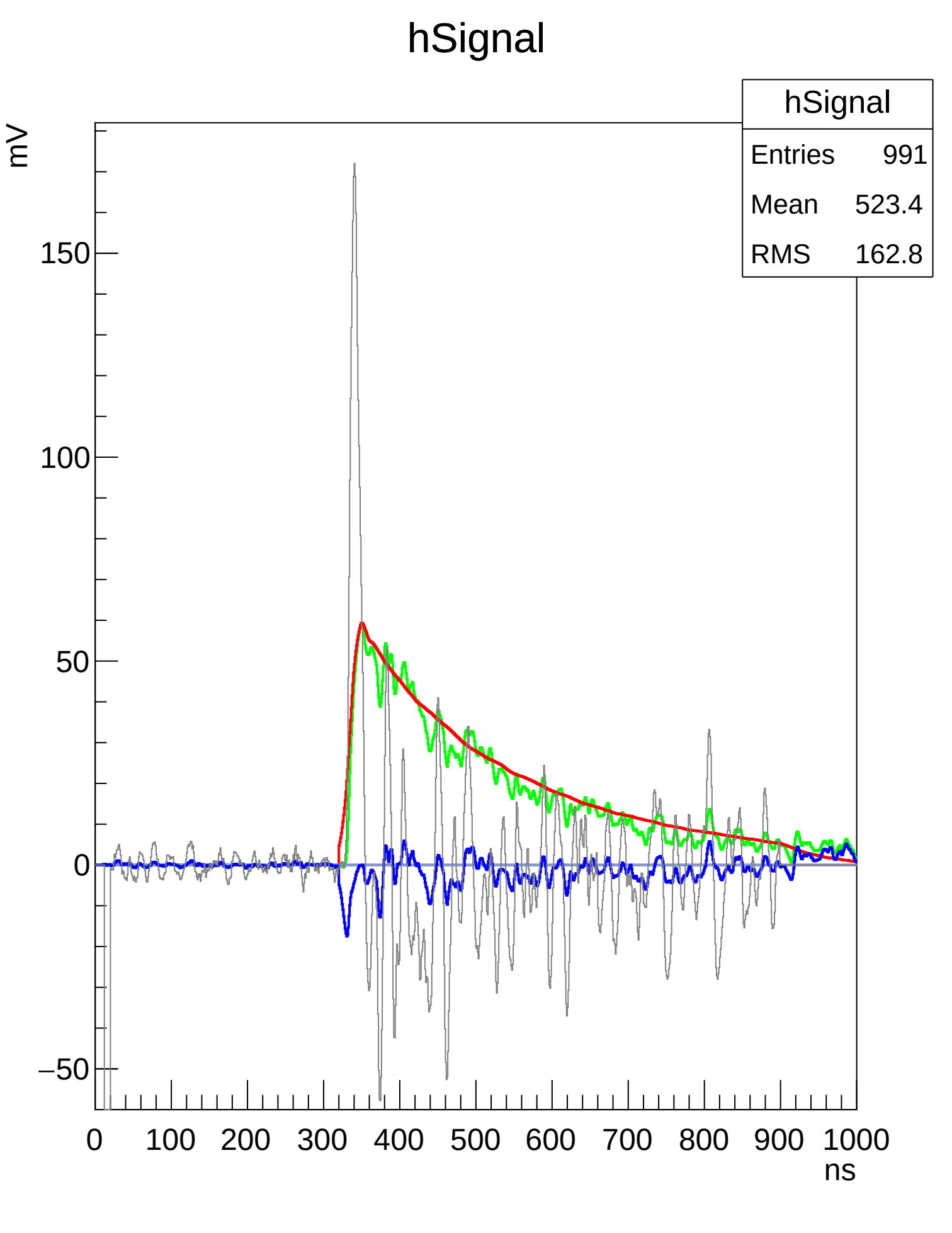
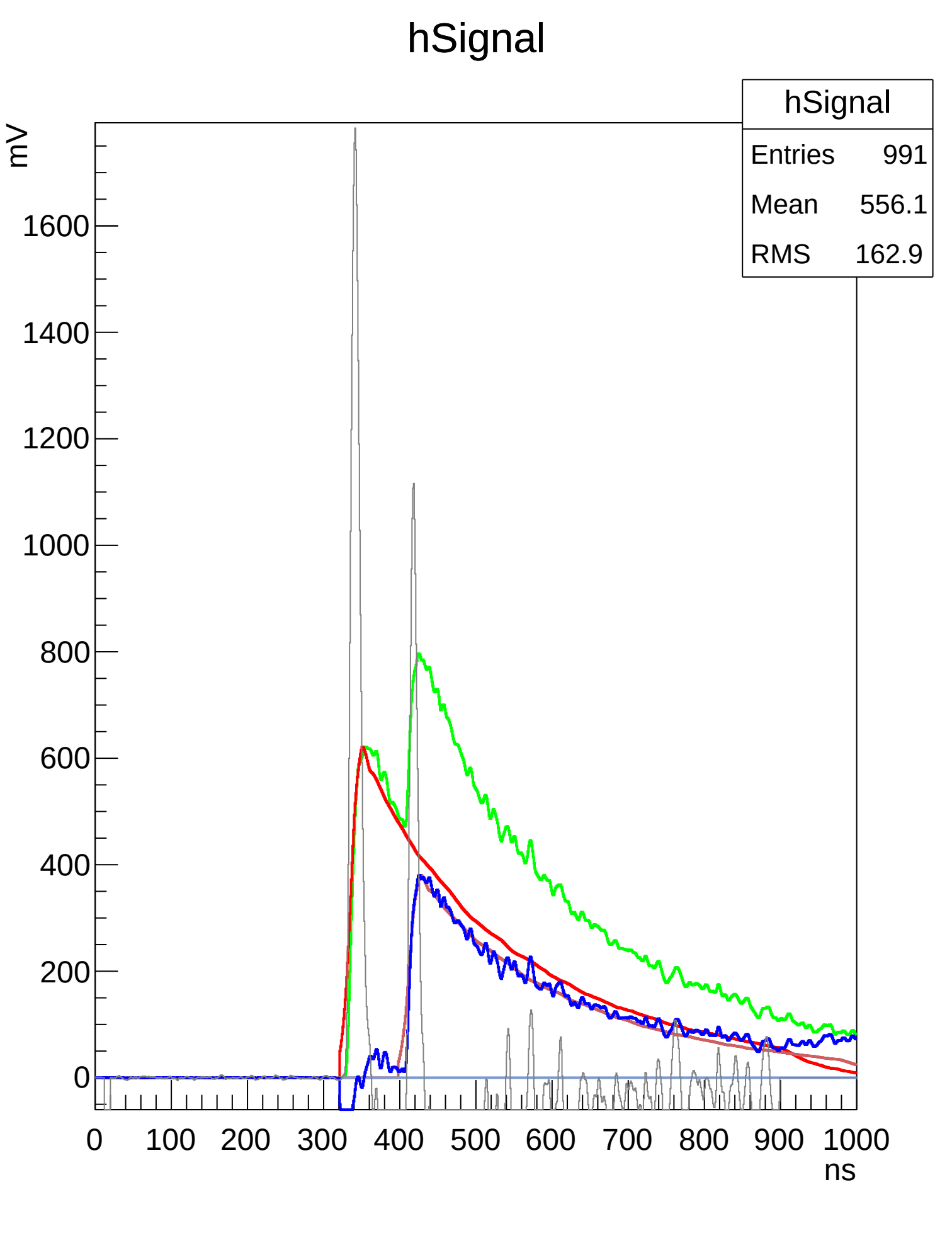
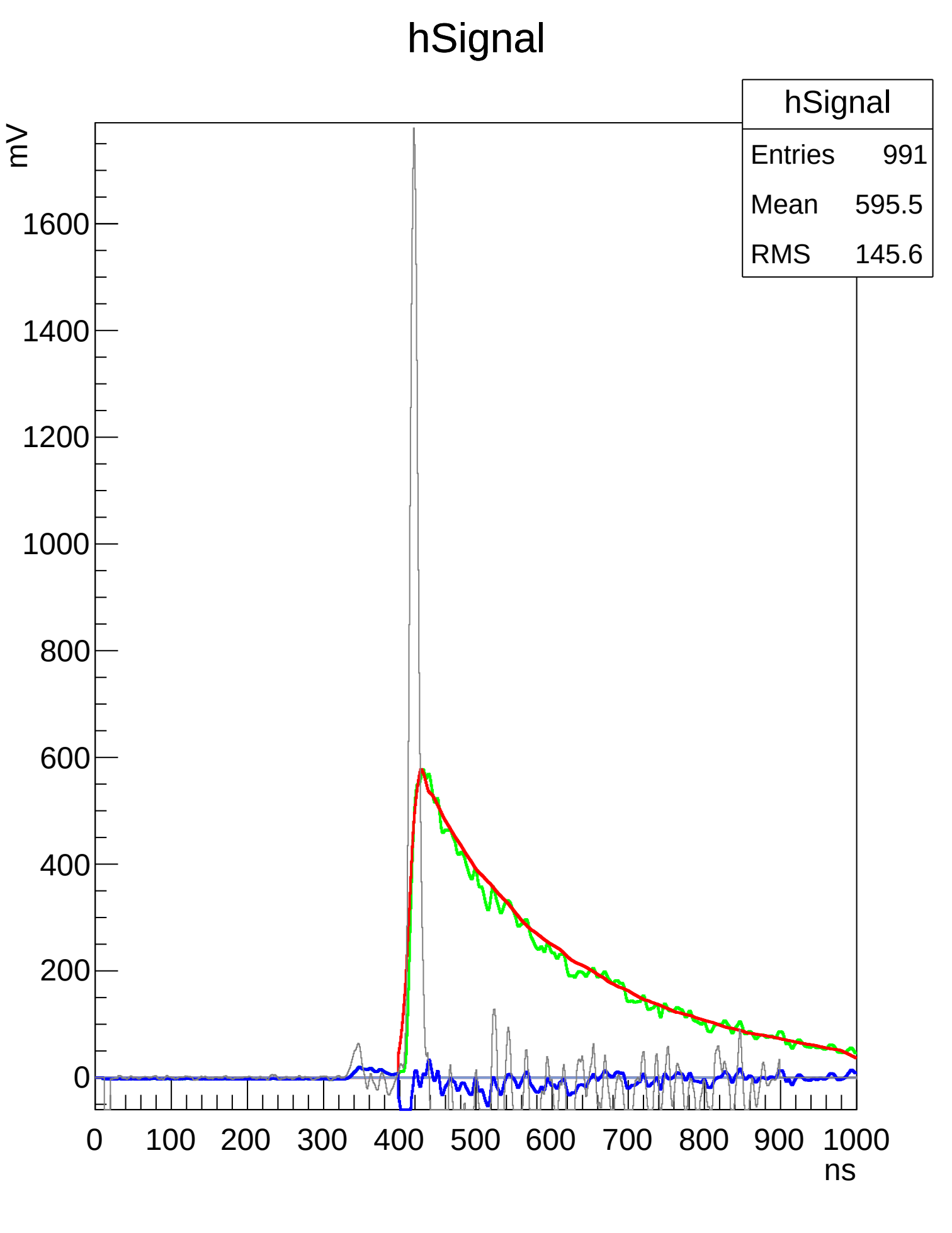
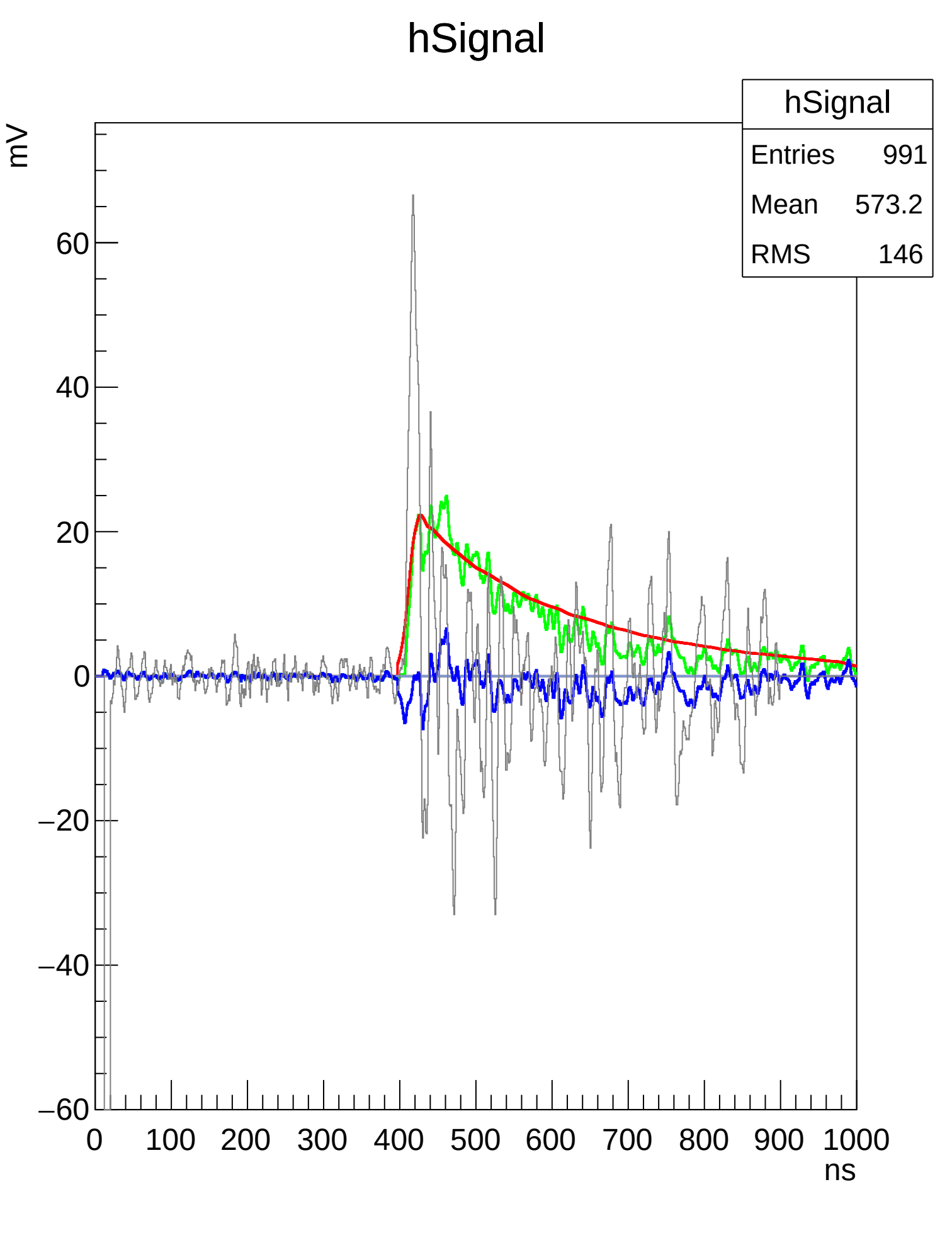
0
100
200
300
400
500
600
700
800
900
1000
ns

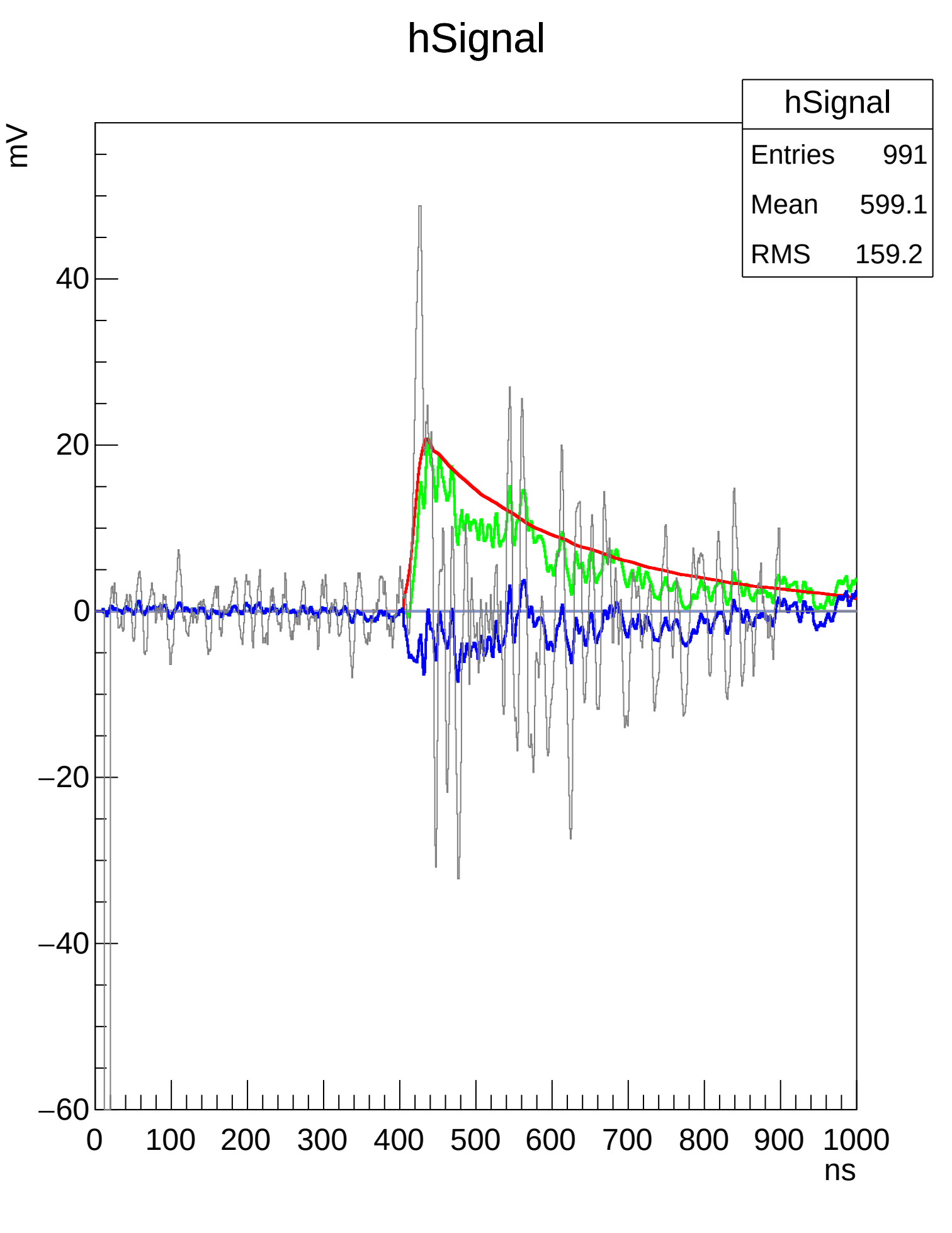

hSignal
hSignal
Entries 991
Mean 506.7
RMS 146.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.4
RMS 162.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.1
RMS 162.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.5
RMS 145.6
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.2
RMS 146
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 159.2
mV
40
20
0
−20
−40
−60
0
100
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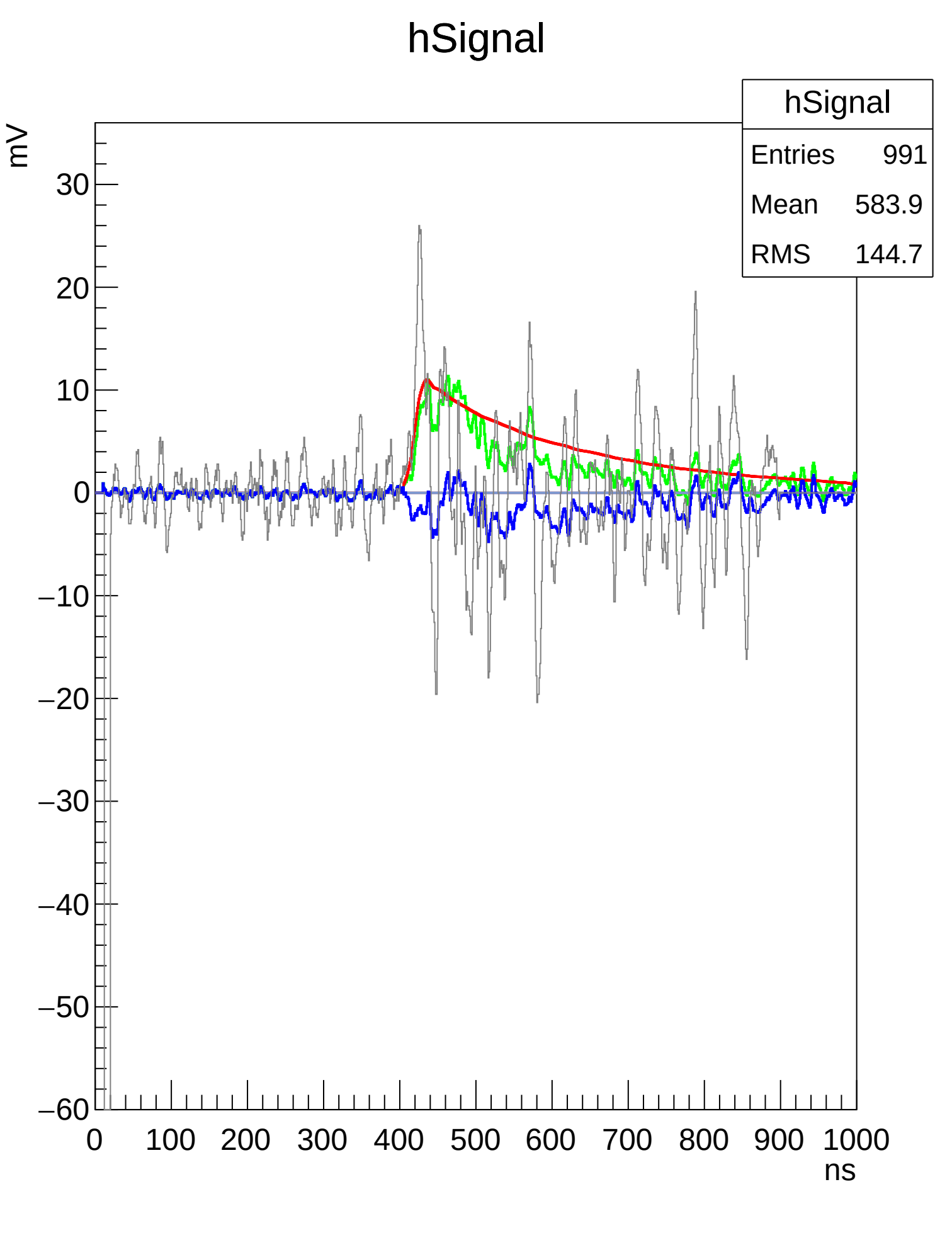
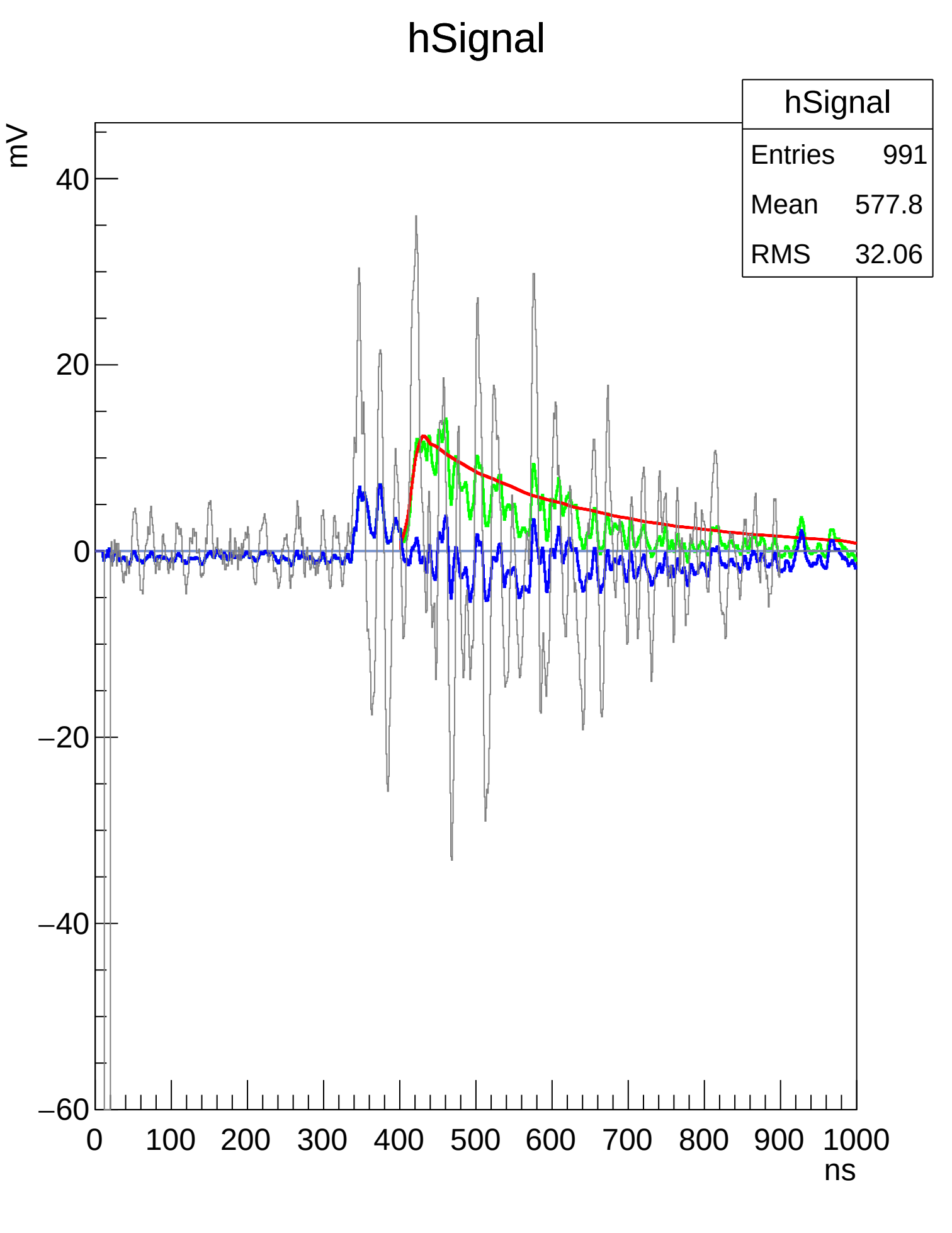
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.9
RMS 144.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.8
RMS 32.06
mV
40
20
0
−20
−40
−60
0
100
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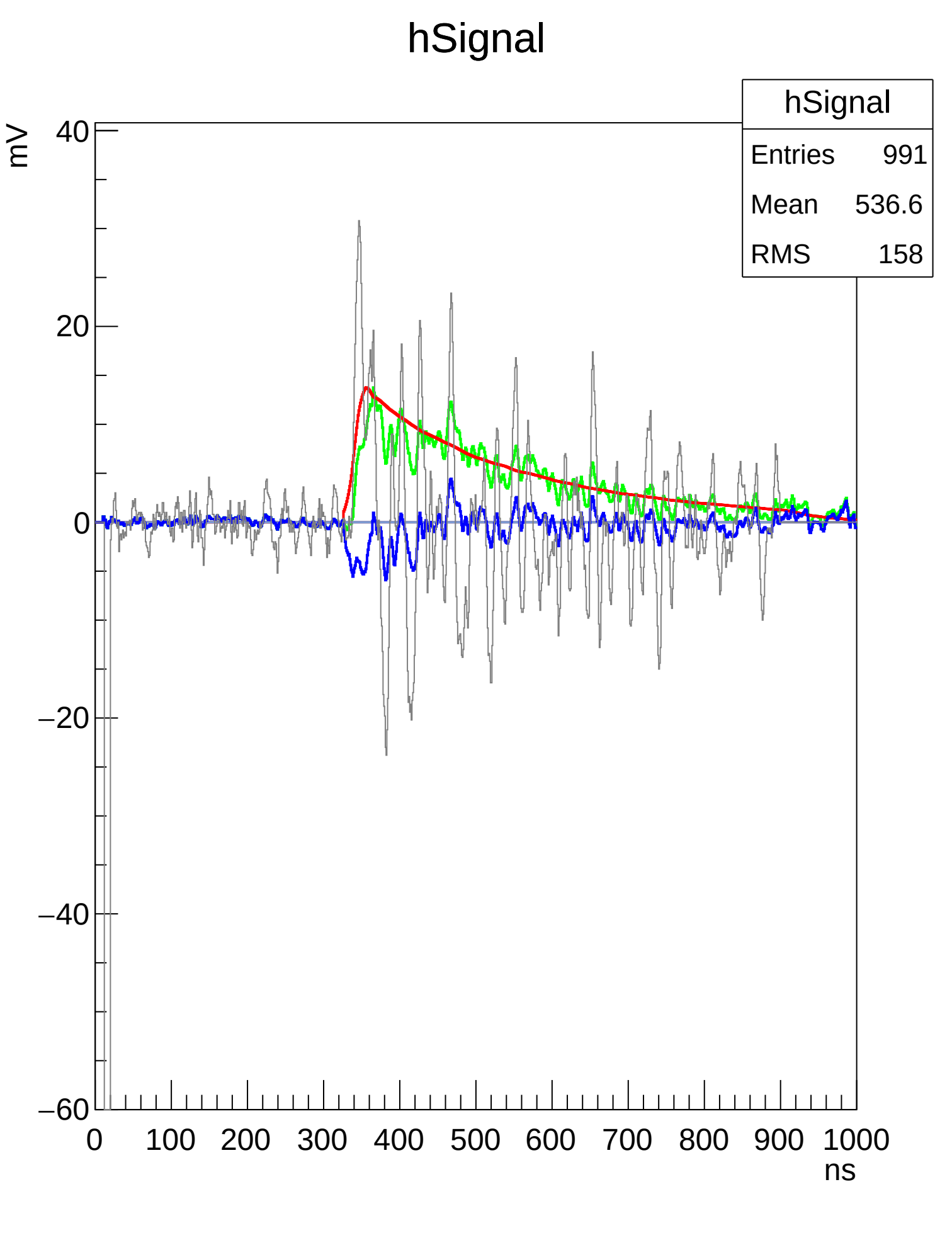
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.6
RMS 158
mV
40
20
0
−20
−40
−60
0
100
200
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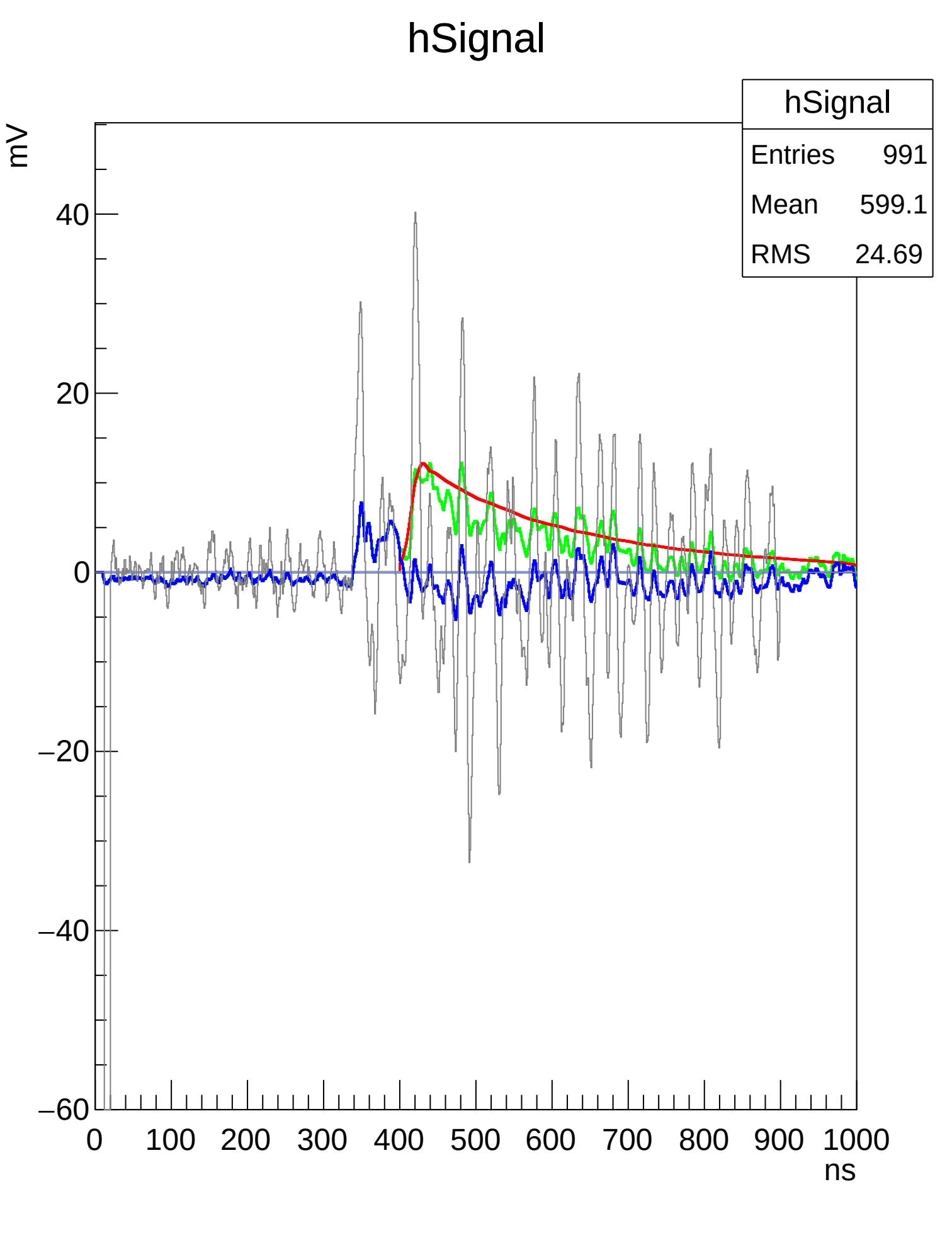
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 24.69
mV
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−20
−40
−60
0
100
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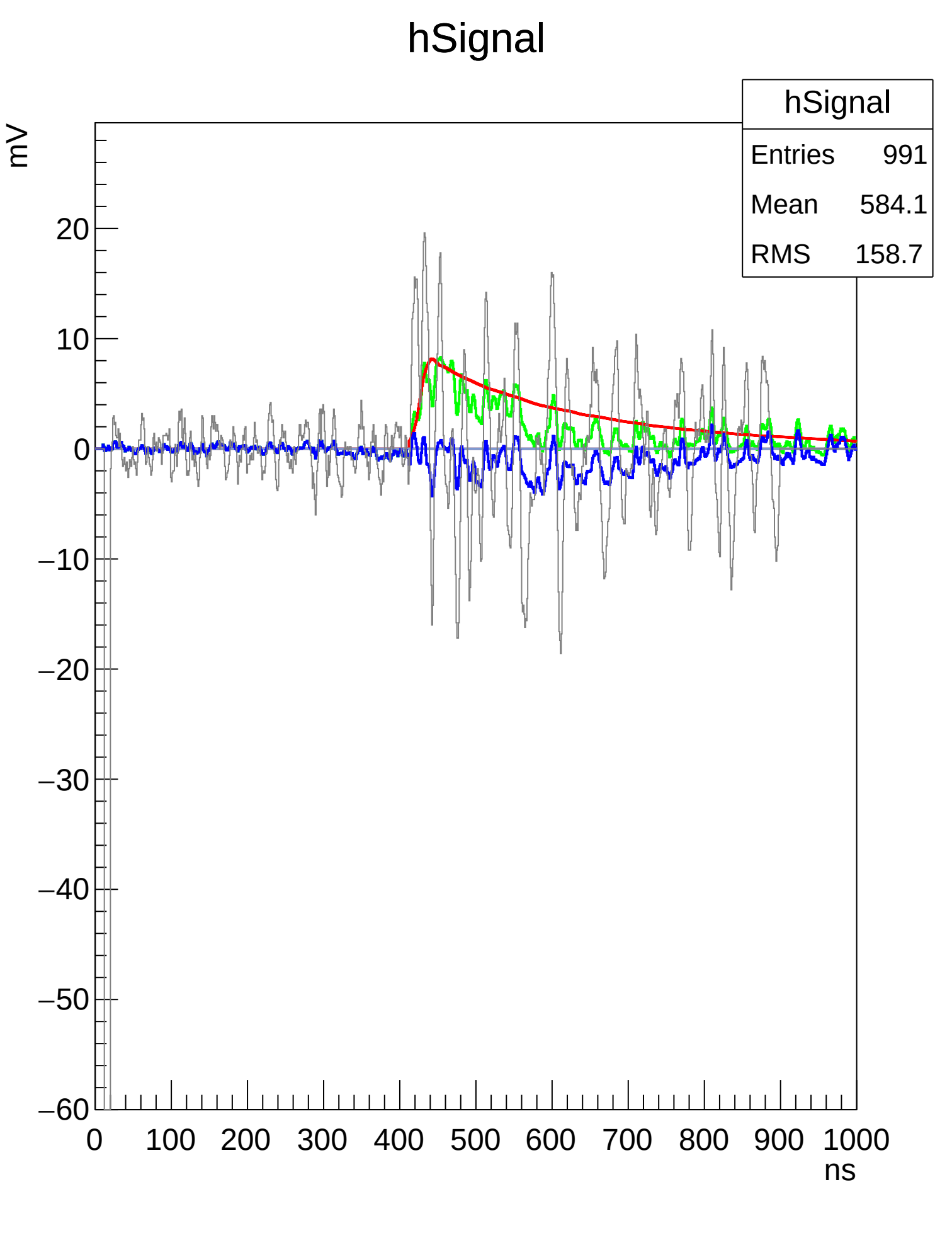
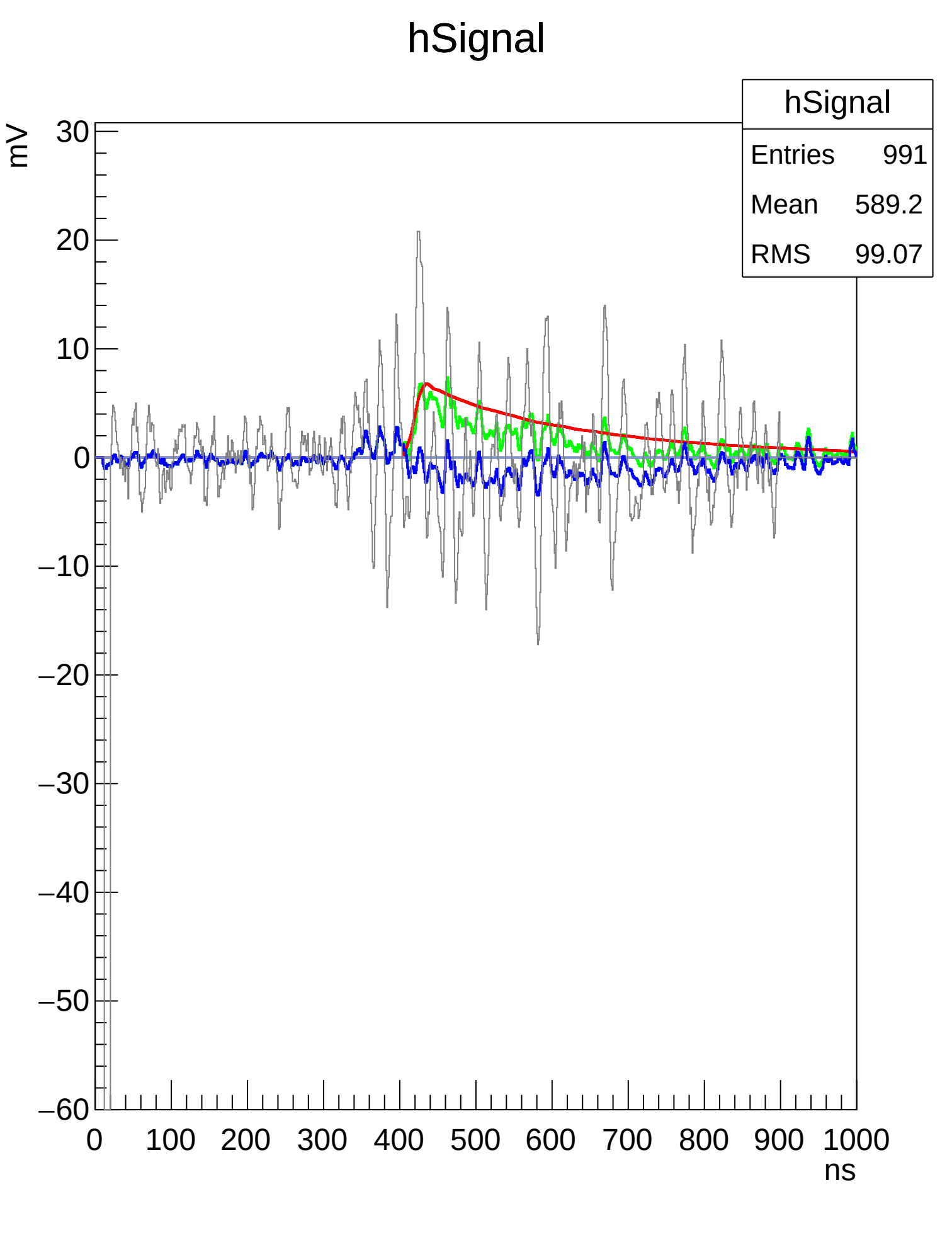
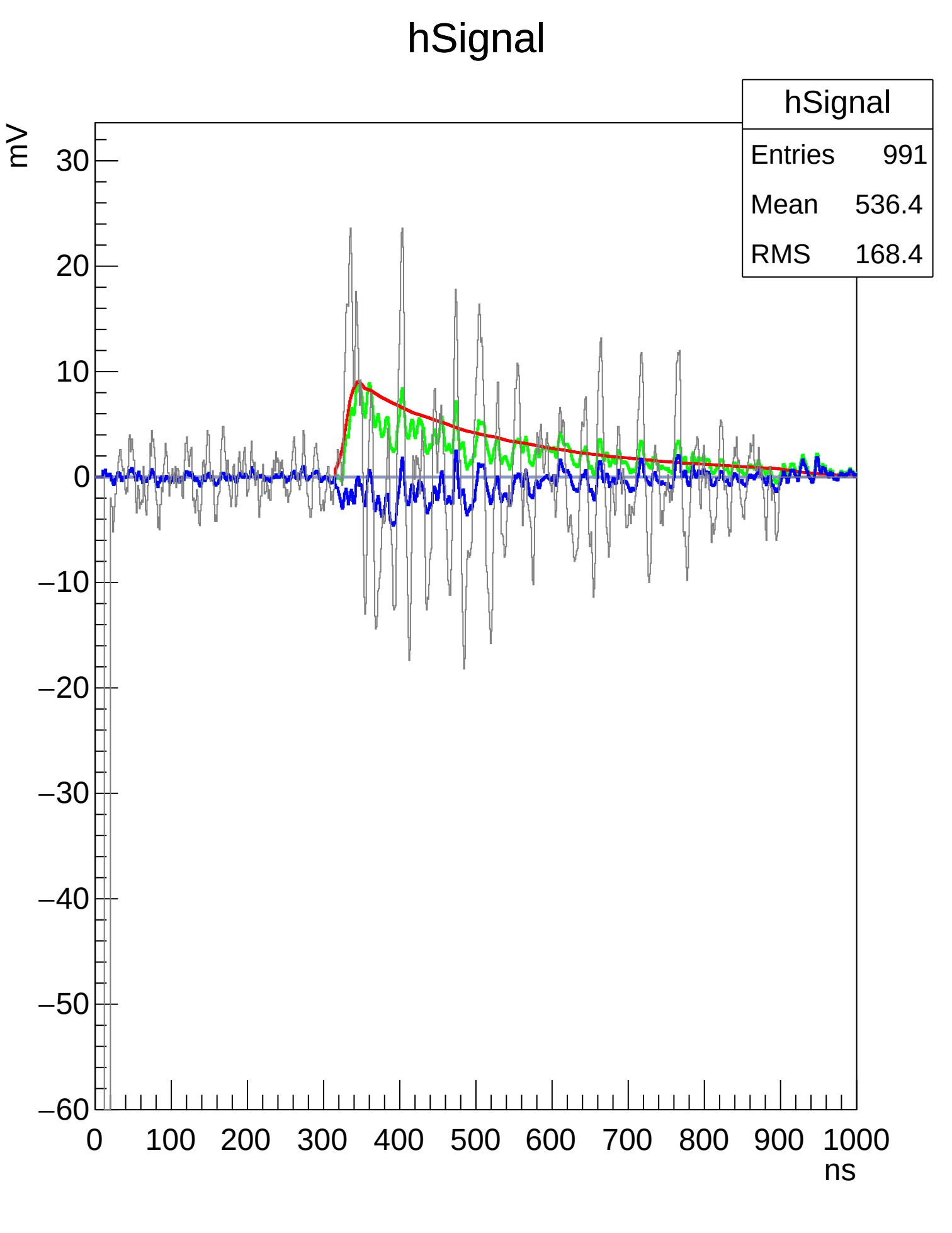
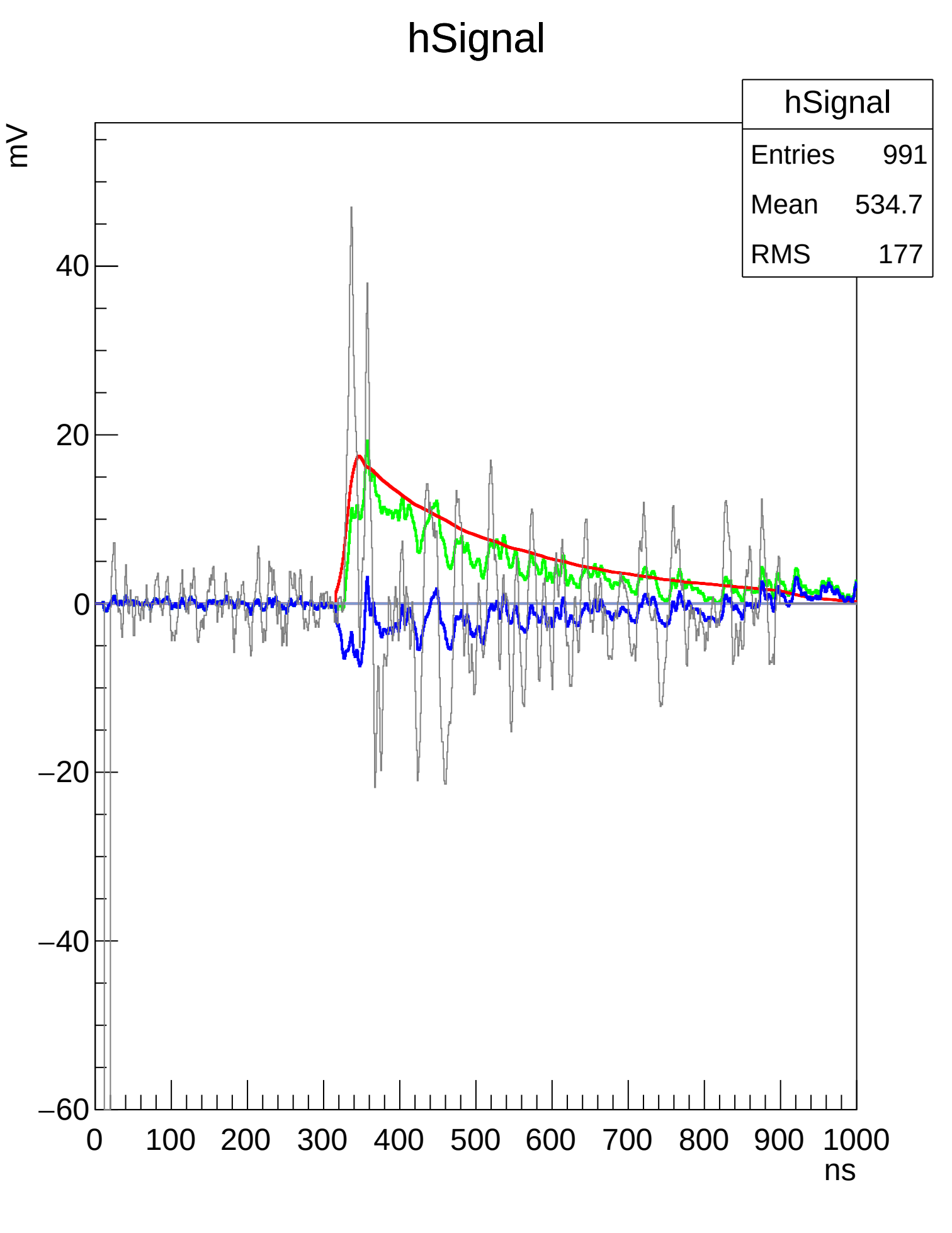
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 158.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 99.07
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.4
RMS 168.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.7
RMS 177
mV
40
20
0
−20
−40
−60
0
100
200
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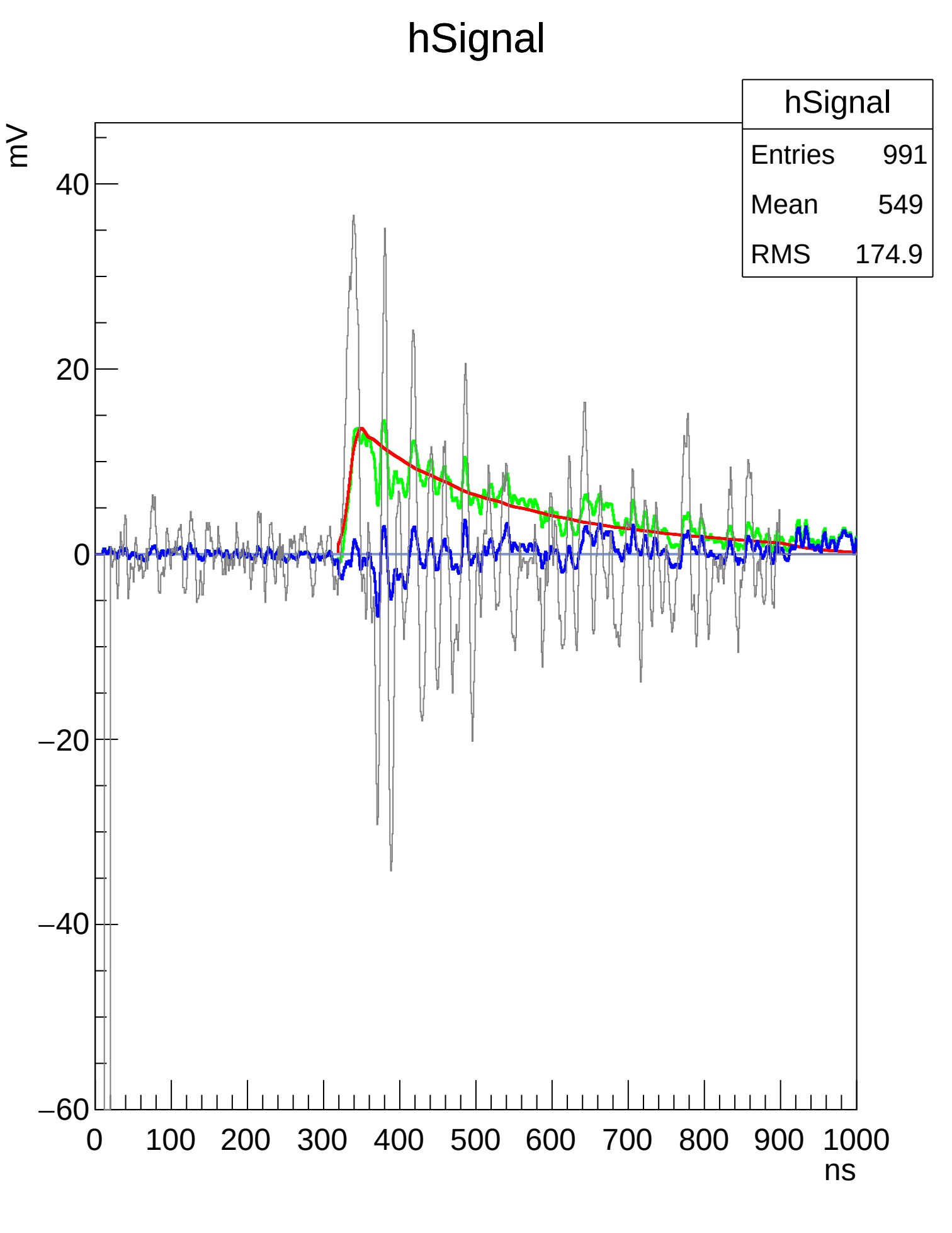
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549
RMS 174.9
mV
40
20
0
−20
−40
−60
0
100
200
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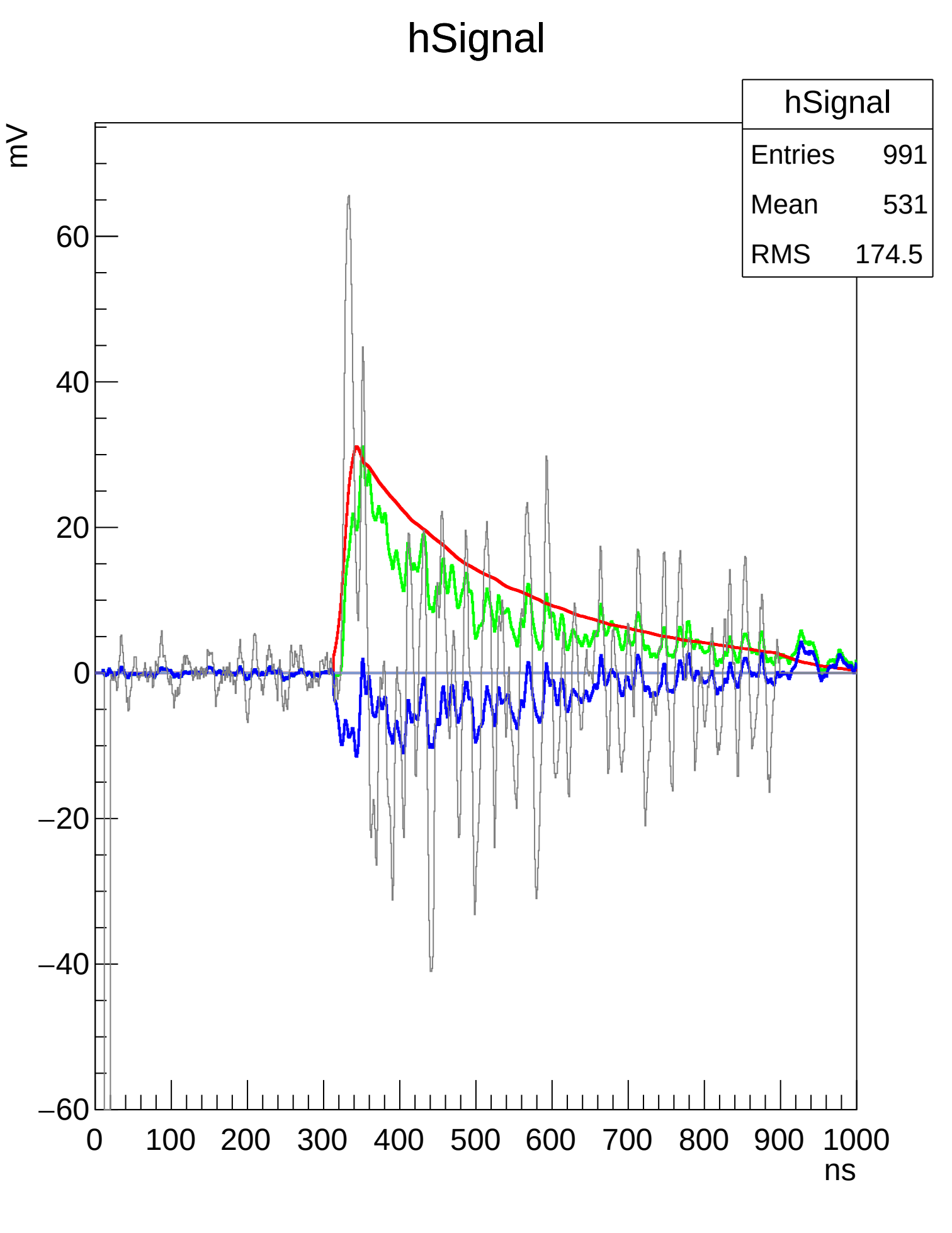
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531
RMS 174.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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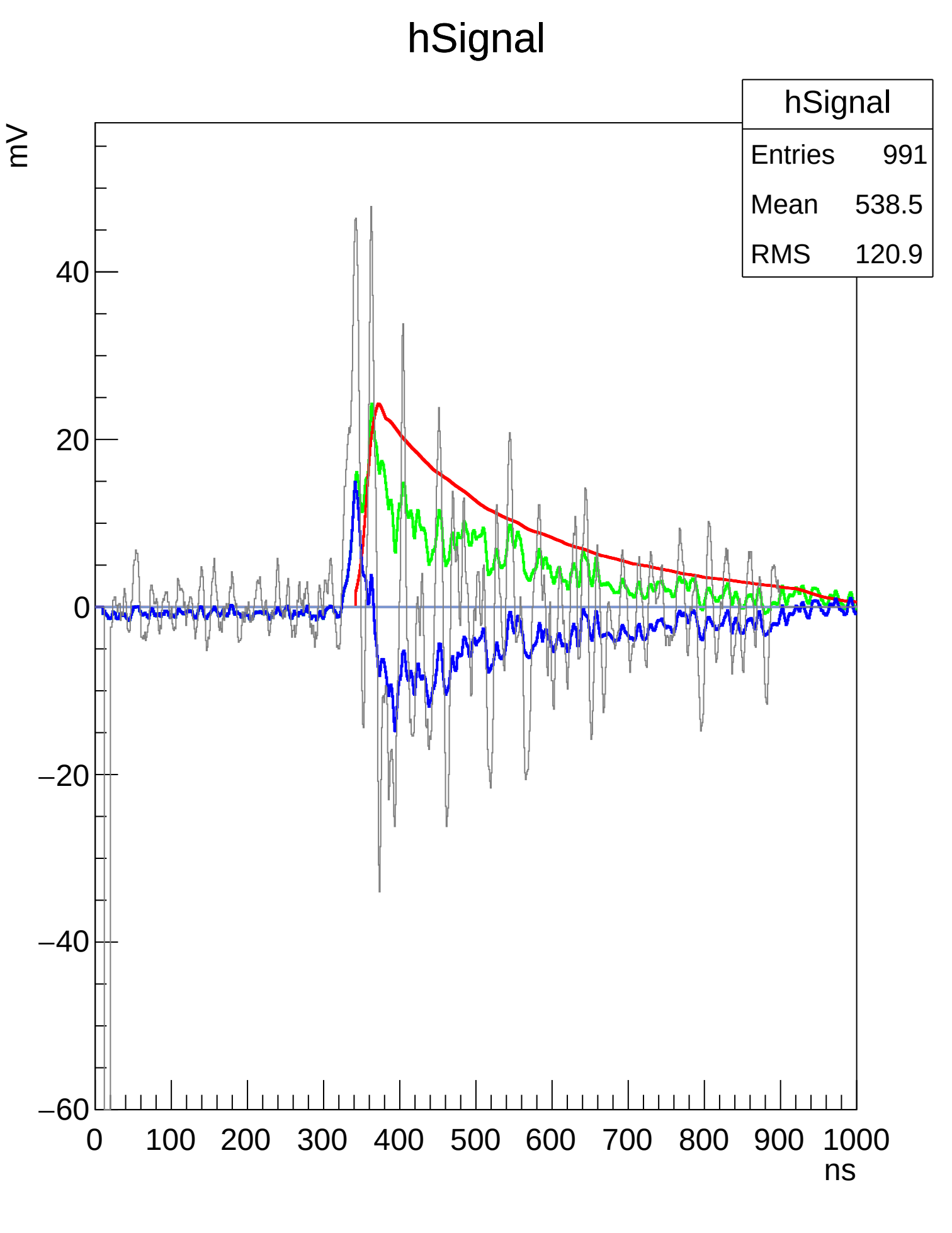
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.5
RMS 120.9
mV
40
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0
−20
−40
−60
0
100
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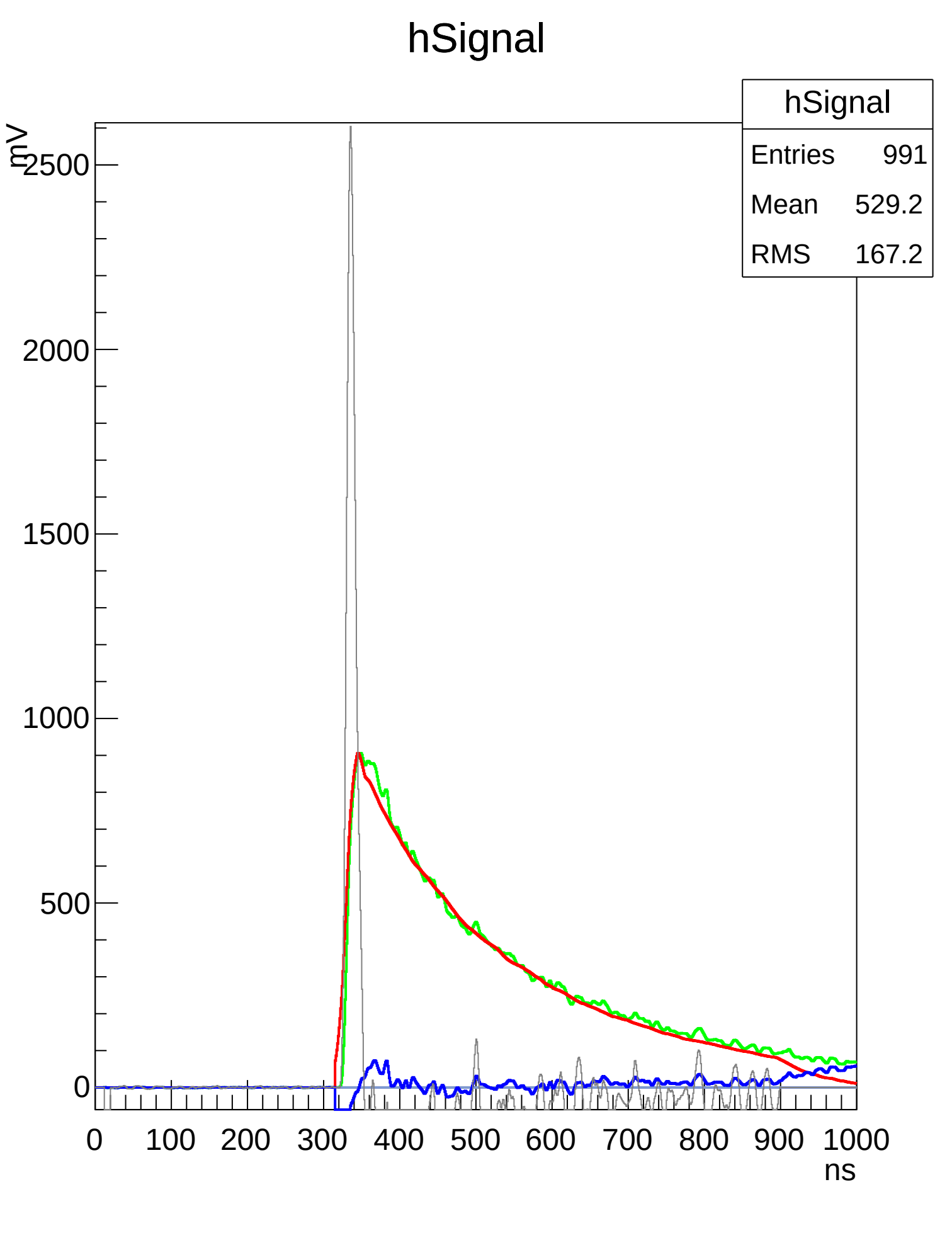
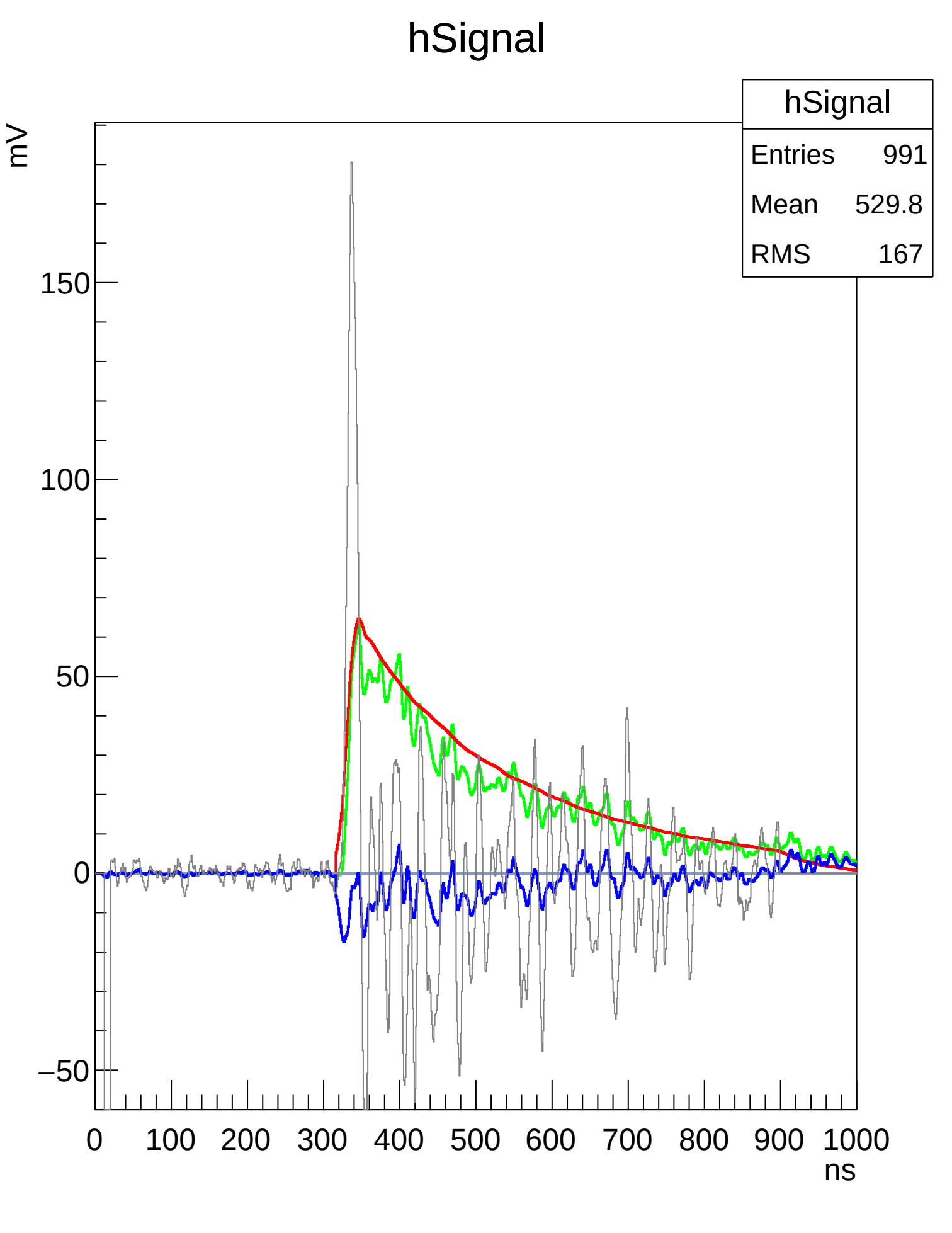
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.2
RMS 167.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.8
RMS 167
mV
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100
50
0
−50
0
100
200
300
400
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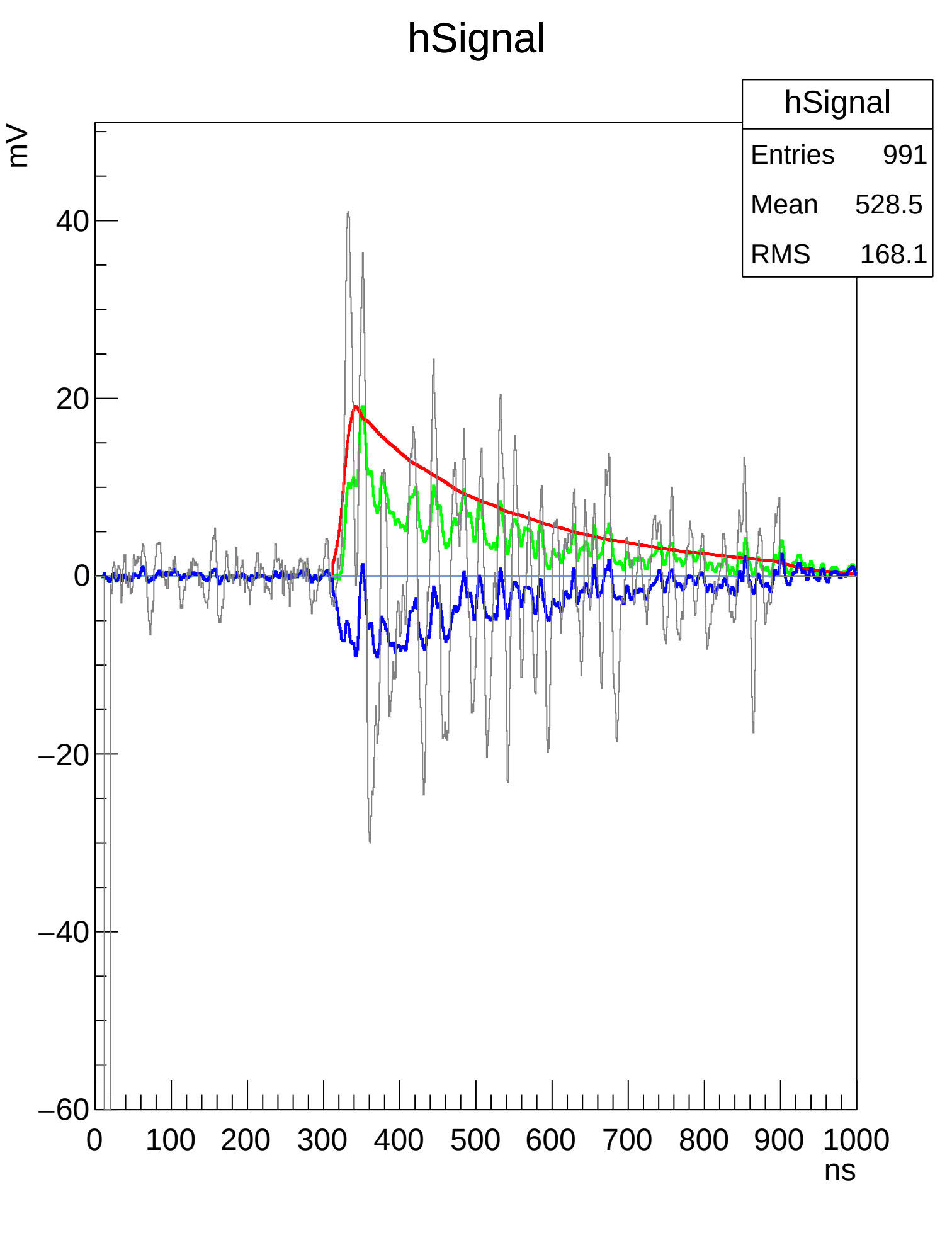
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.5
RMS 168.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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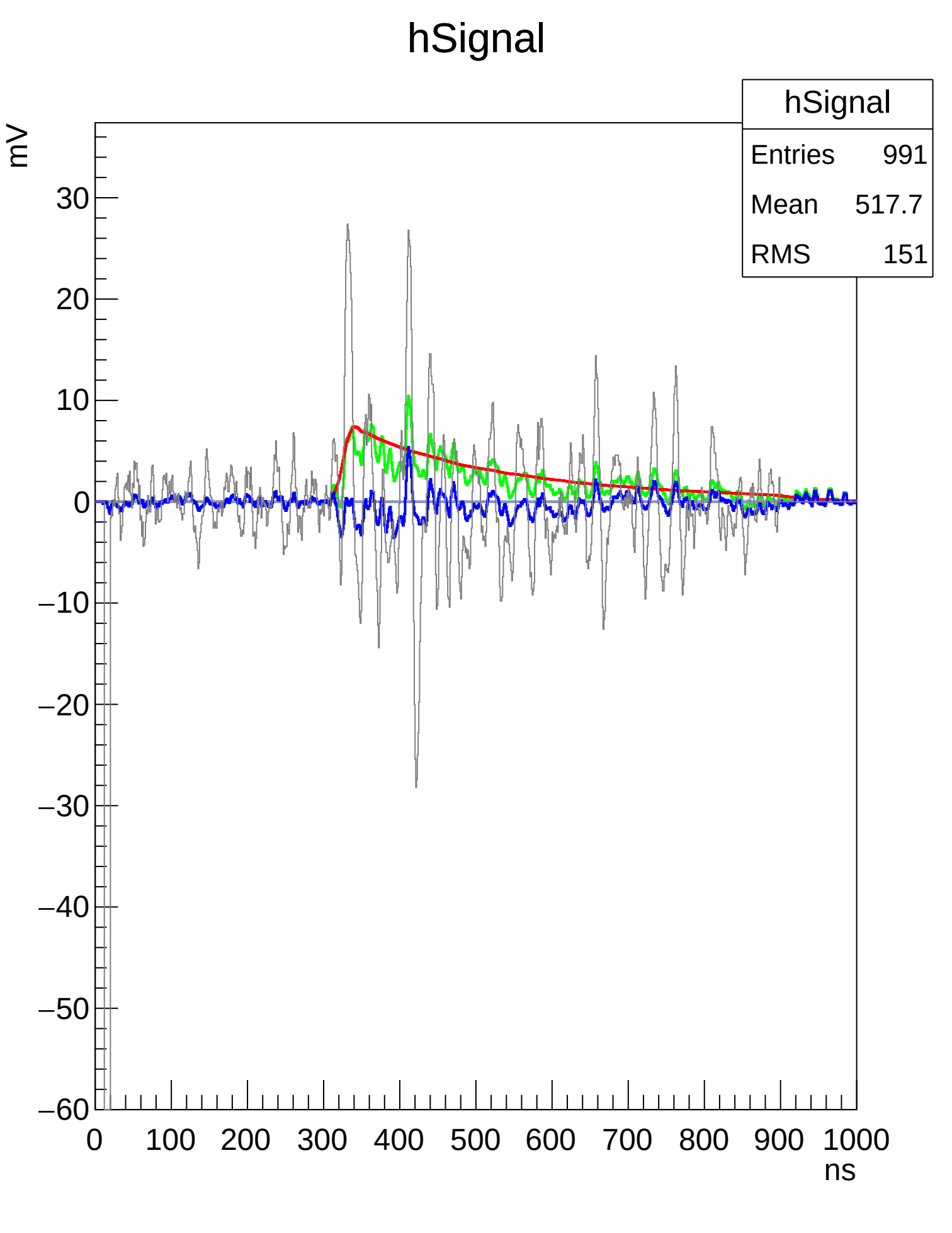
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.7
RMS 151
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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600
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800
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1000
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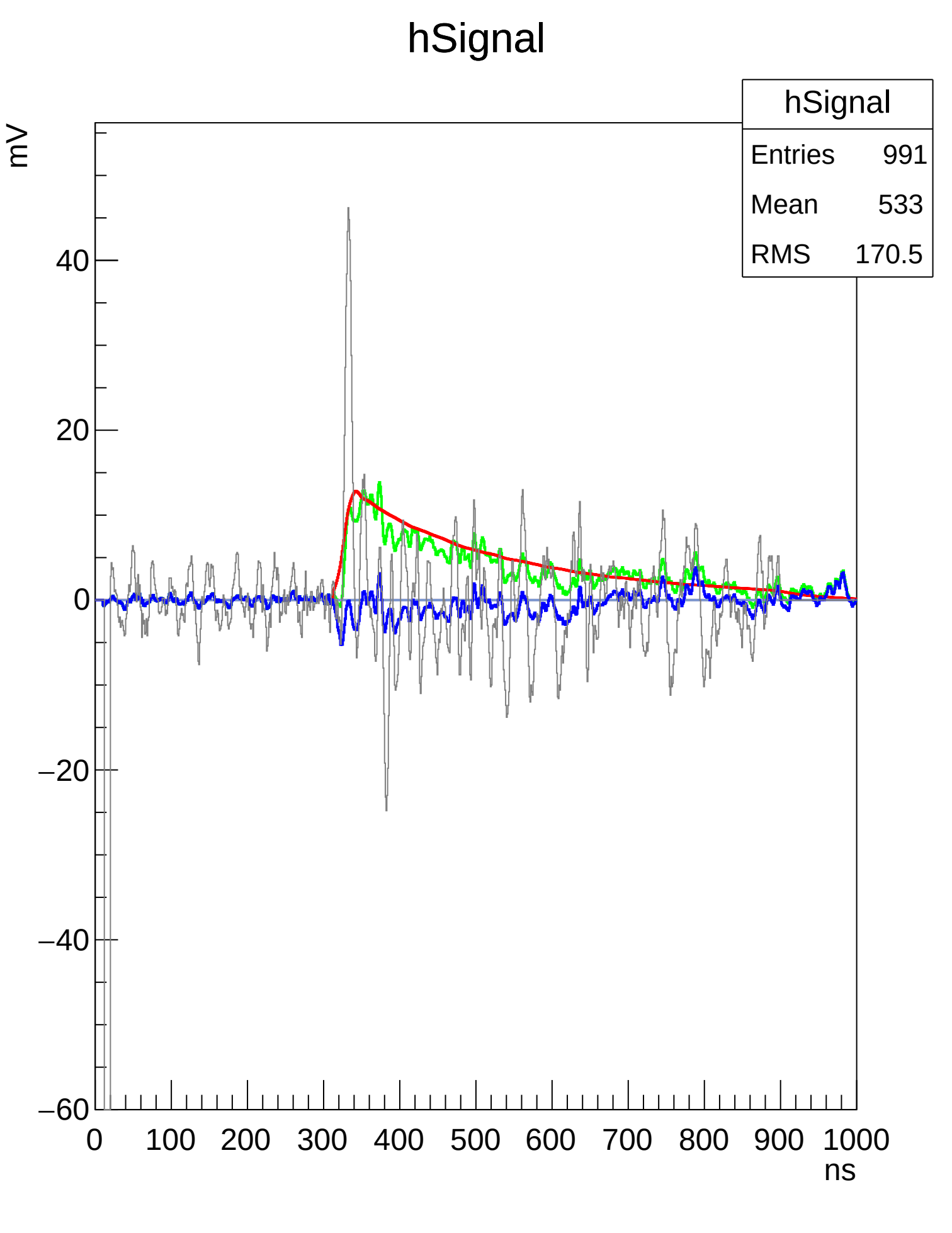
hSignal
hSignal
Entries 991
Mean 533
RMS 170.5
mV
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−20
−40
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0
100
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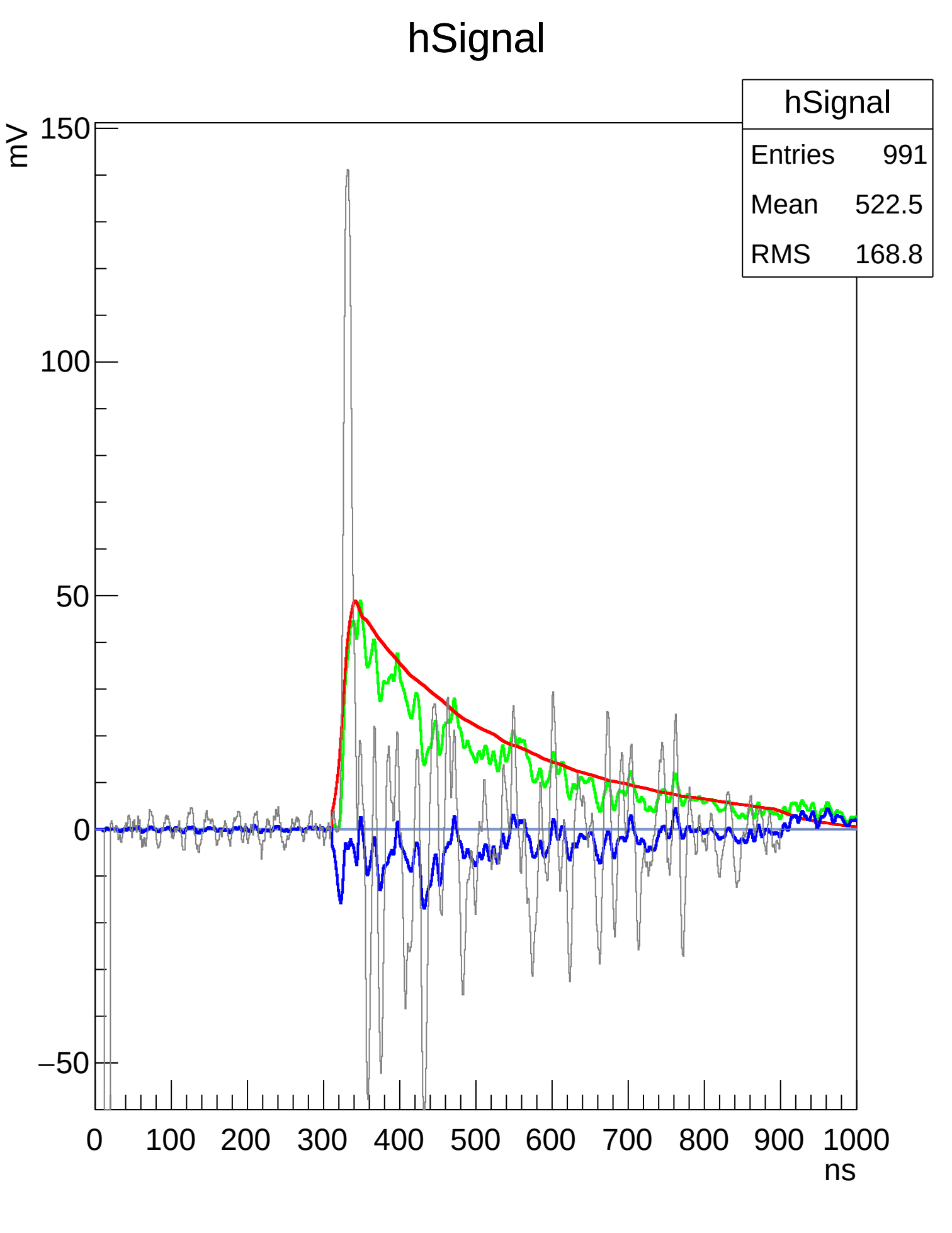
hSignal
hSignal
Entries 991
Mean 522.5
RMS 168.8
mV
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100
50
0
−50
0
100
200
300
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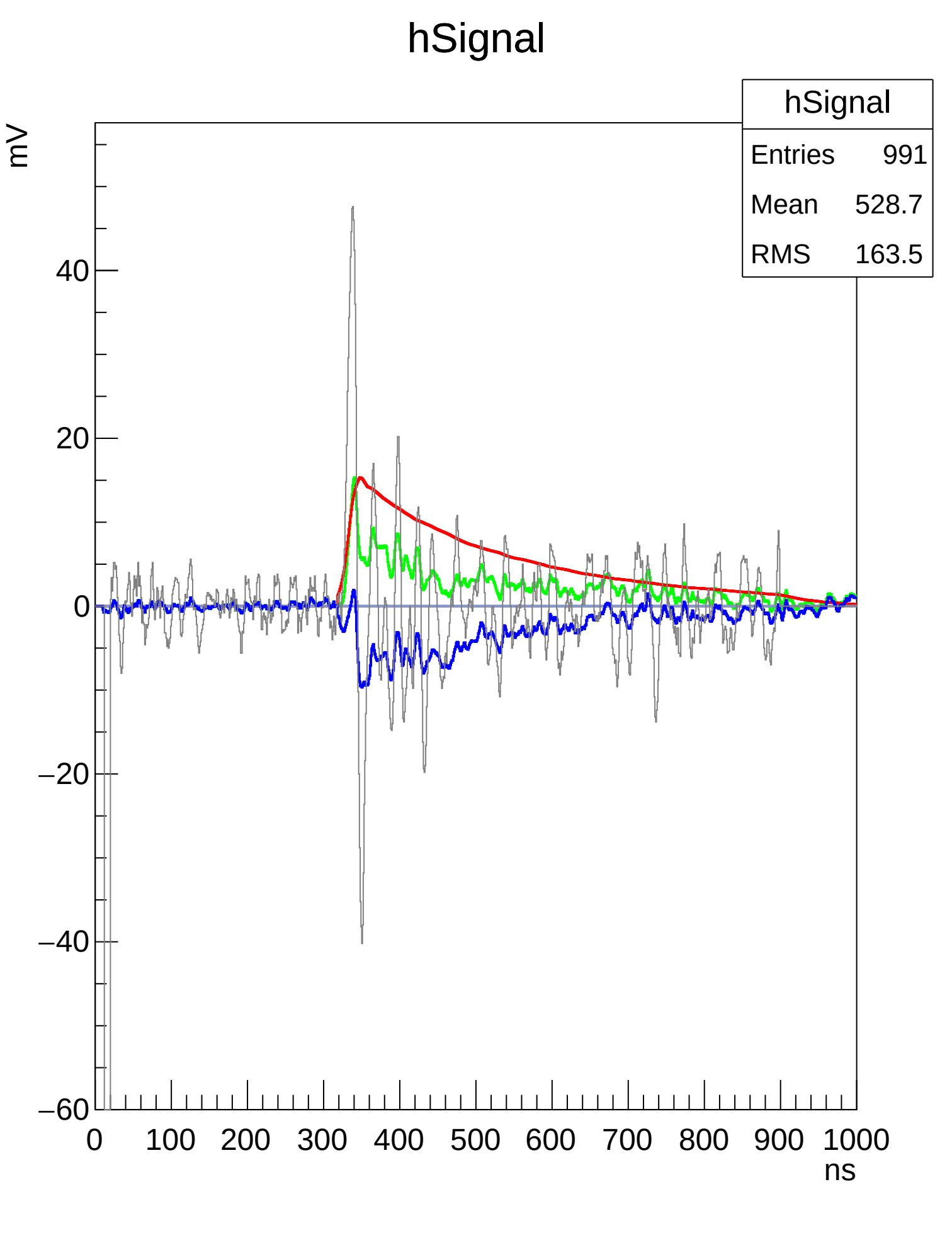
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.7
RMS 163.5
mV
40
20
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−20
−40
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0
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600
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800
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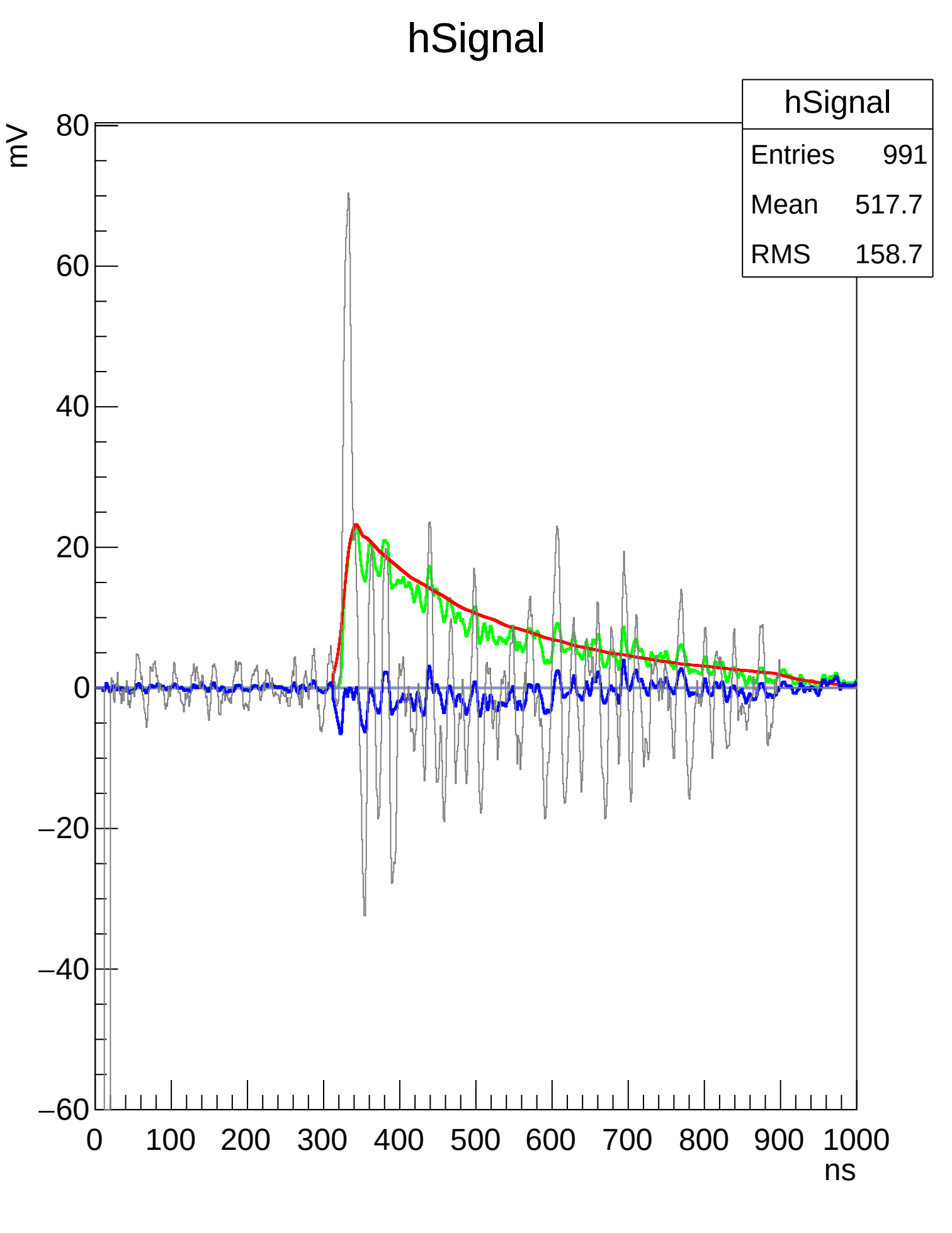
hSignal
hSignal
Entries 991
Mean 517.7
RMS 158.7
mV
80
60
40
20
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−20
−40
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0
100
200
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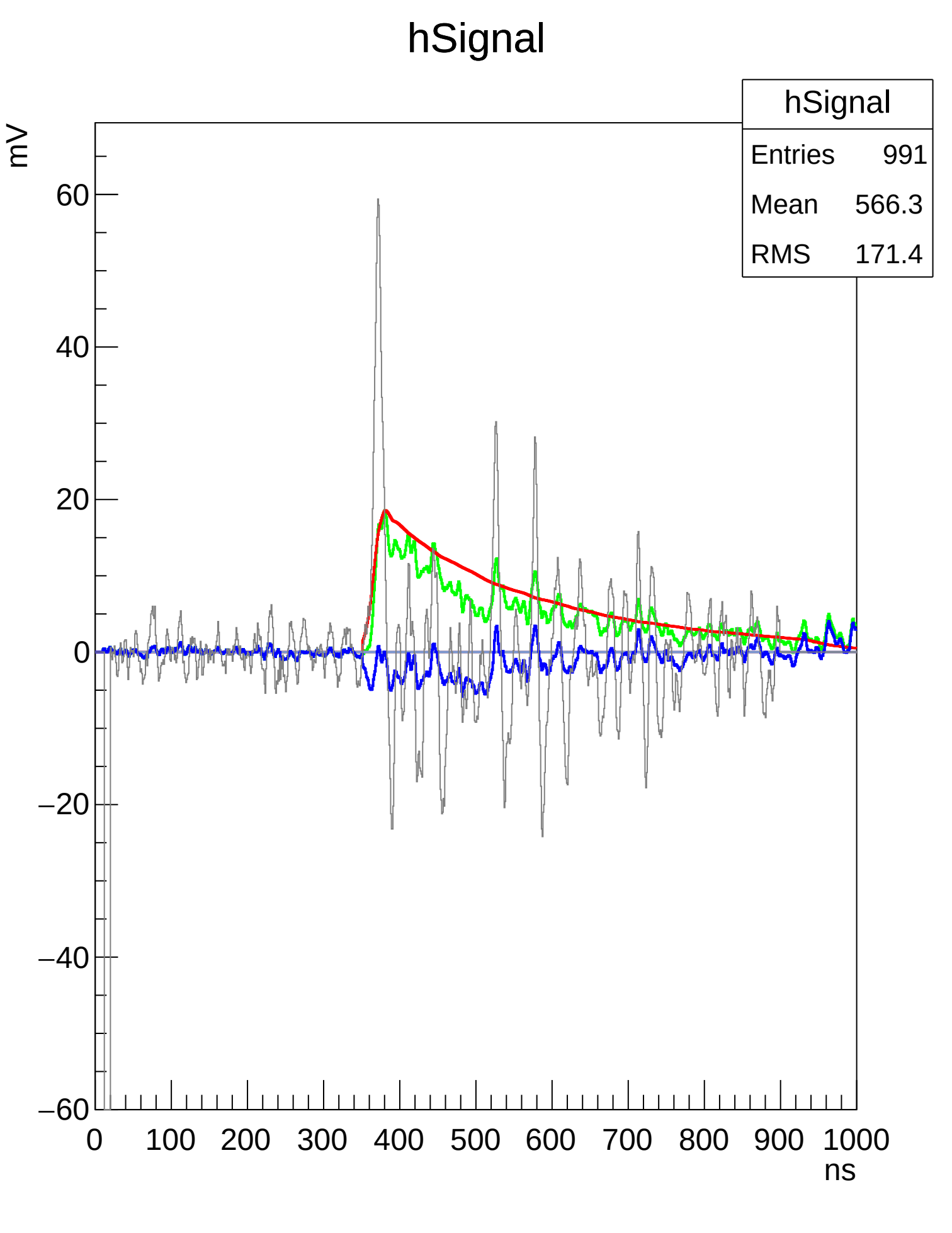
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.3
RMS 171.4
mV
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40
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0
−20
−40
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0
100
200
300
400
500
600
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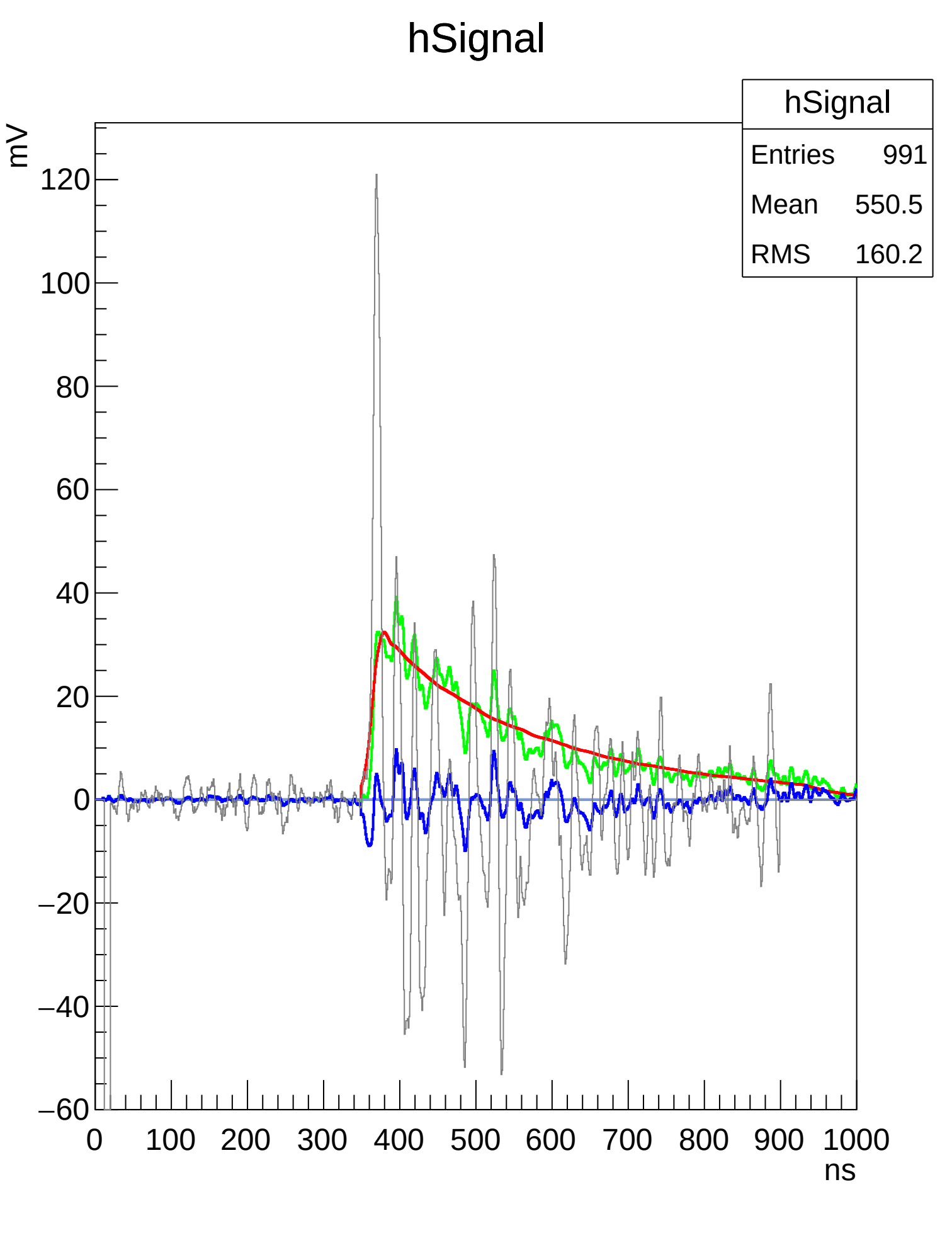
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.5
RMS 160.2
mV
120
100
80
60
40
20
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−20
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0
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200
300
400
500
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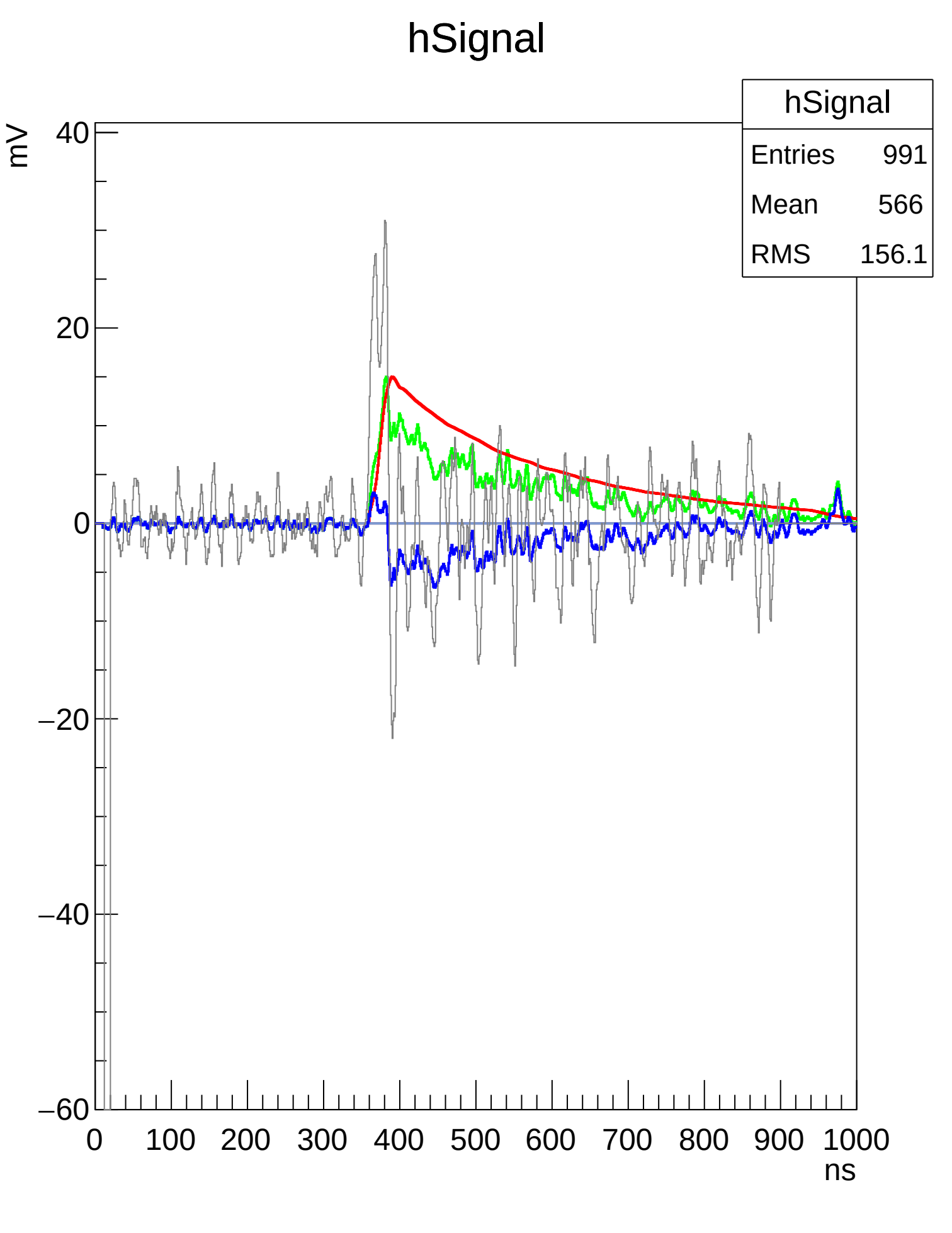
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566
RMS 156.1
mV
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−20
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700
800
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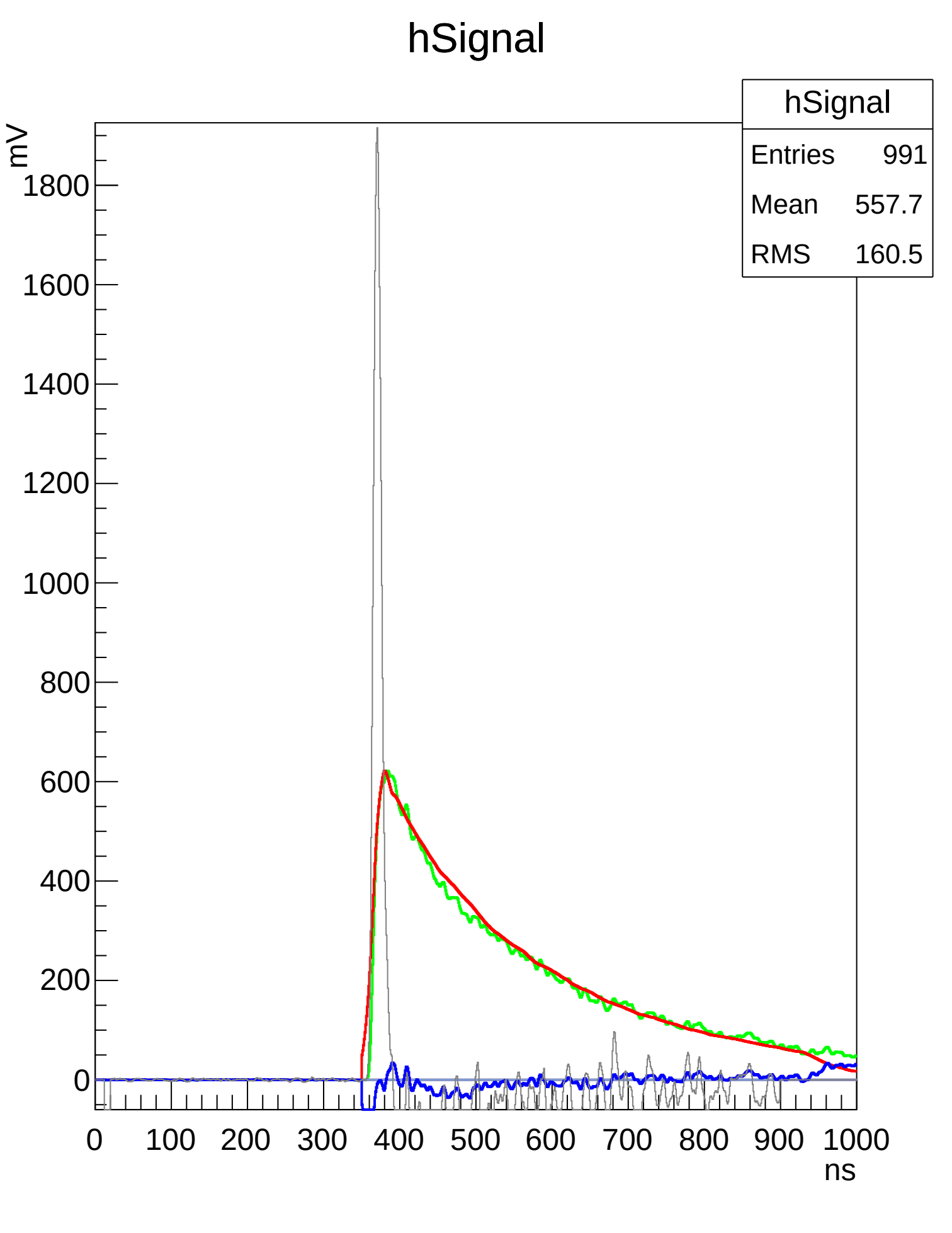
1000
ns


hSignal
hSignal
Entries 991
Mean 557.7
RMS 160.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
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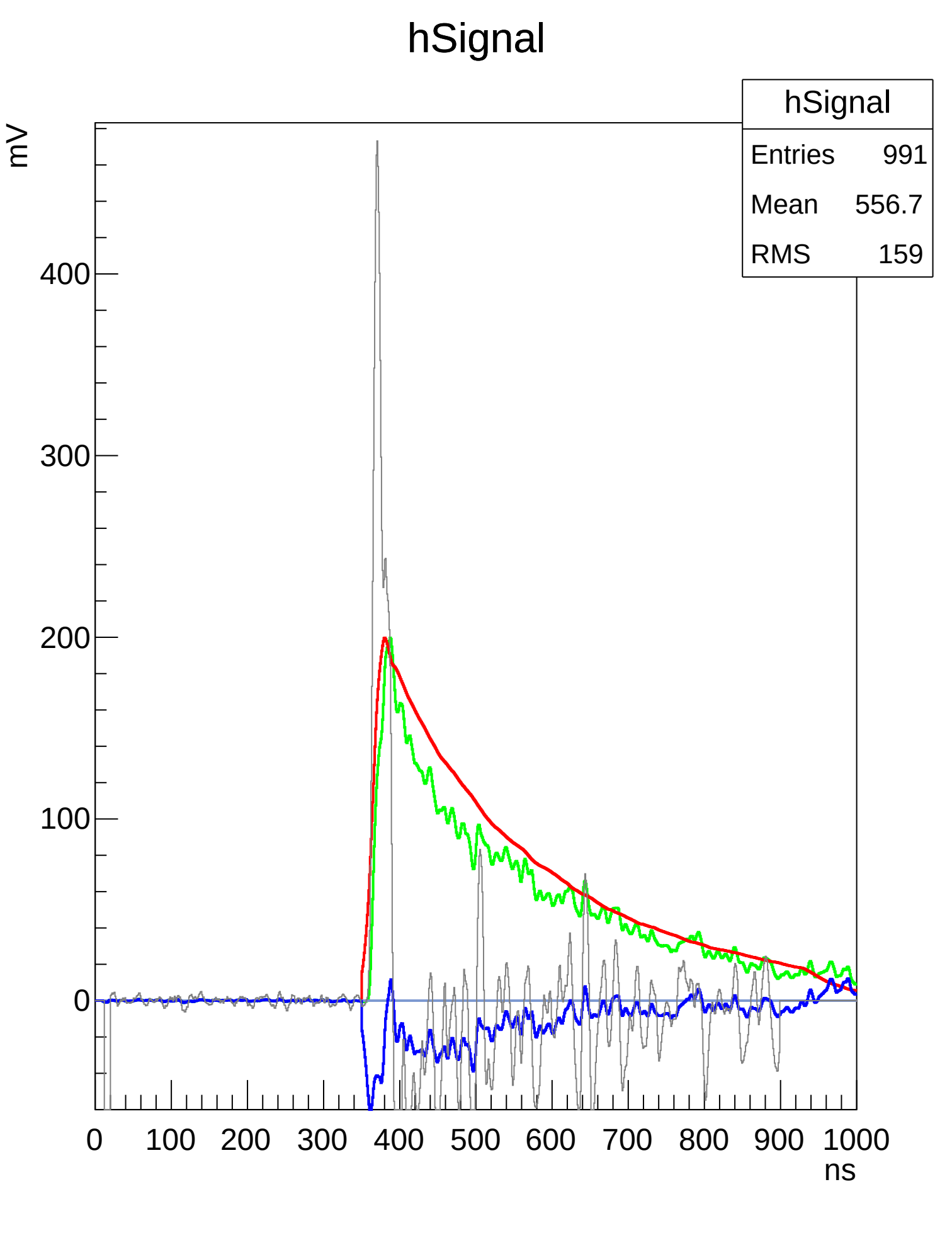
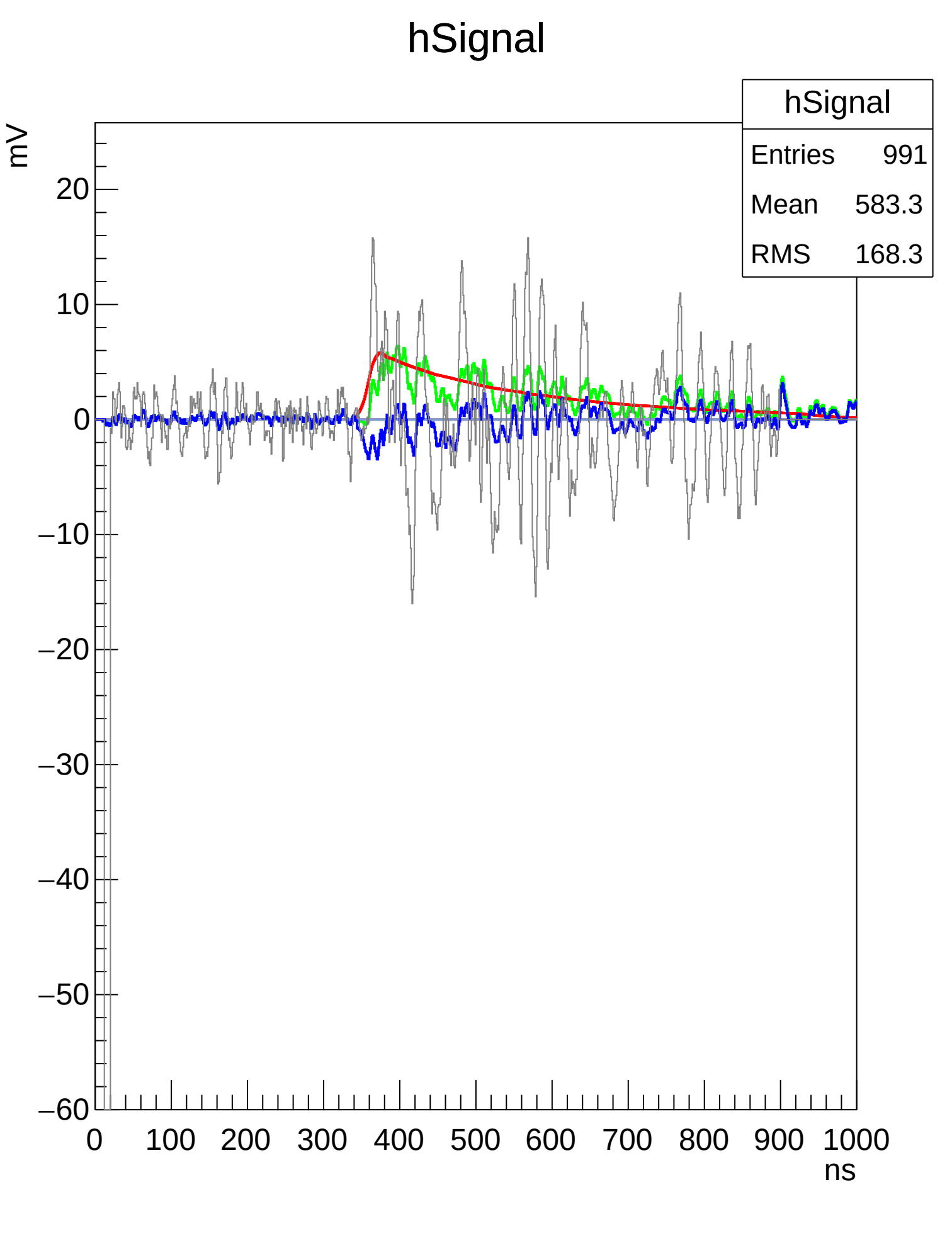
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.7
RMS 159
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 168.3
mV
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
500
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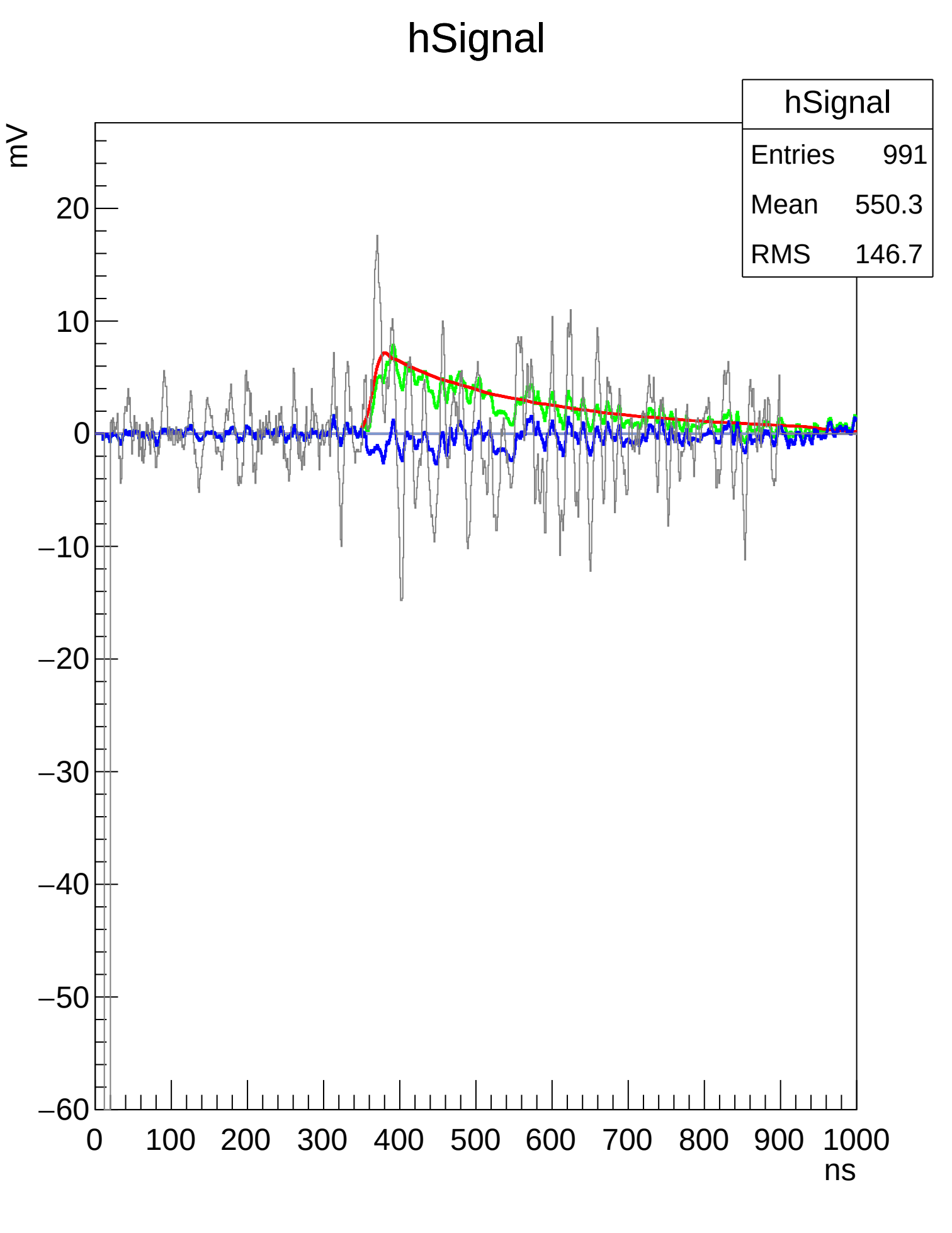
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.3
RMS 146.7
mV
20
10
0
−10
−20
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−40
−50
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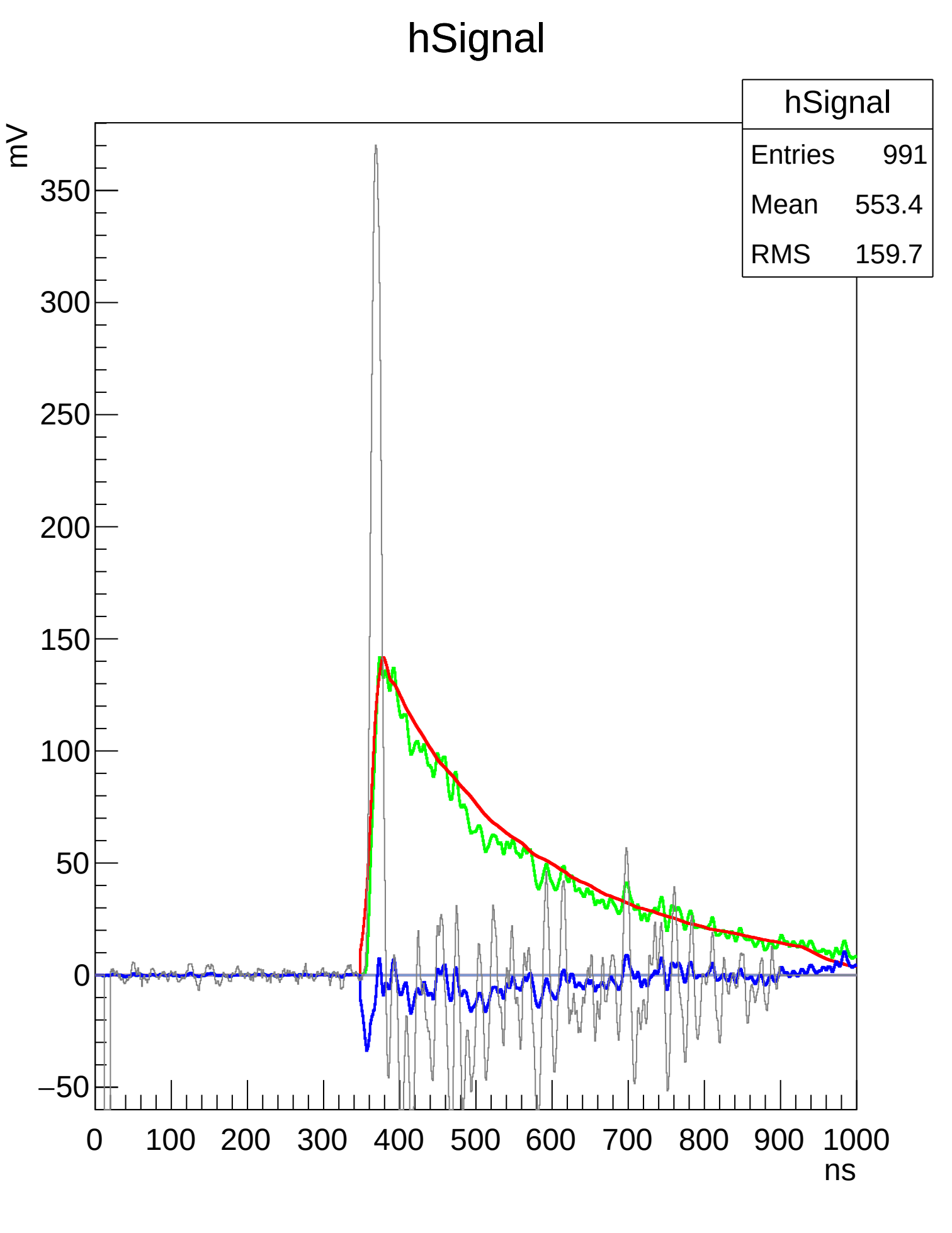
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.4
RMS 159.7
mV
350
300
250
200
150
100
50
0
−50
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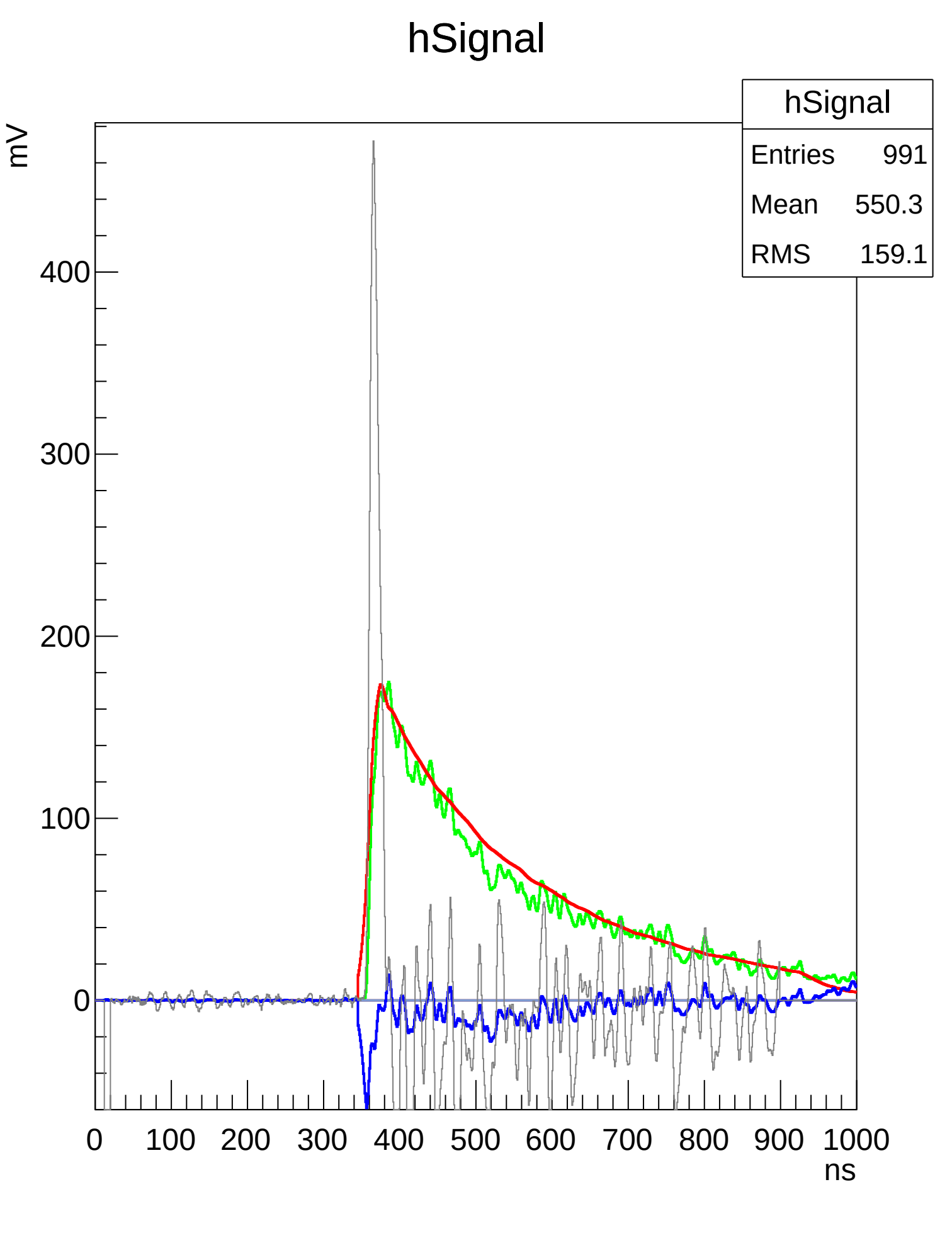
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.3
RMS 159.1
mV
400
300
200
100
0
0
100
200
300
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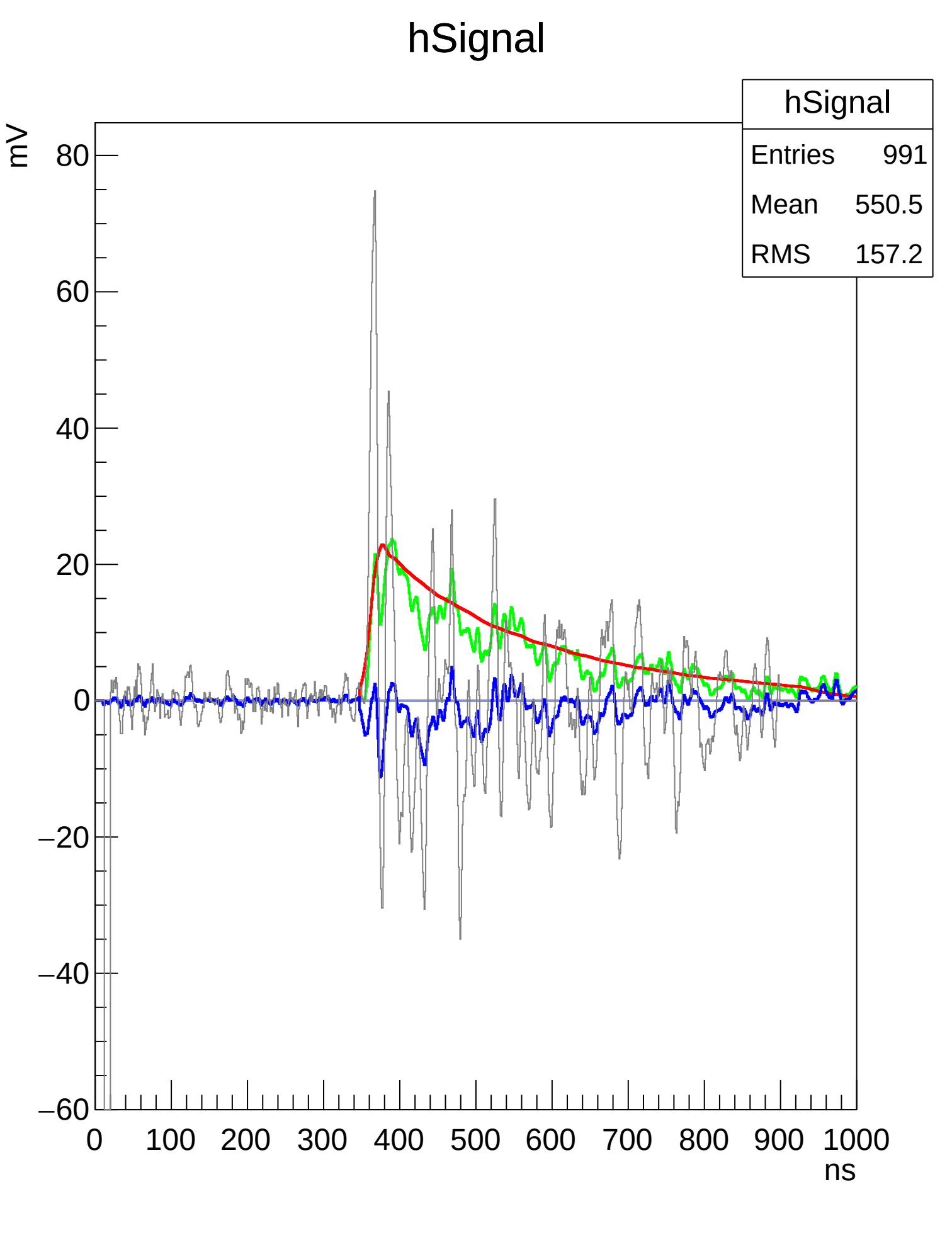
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.5
RMS 157.2
mV
80
60
40
20
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−20
−40
−60
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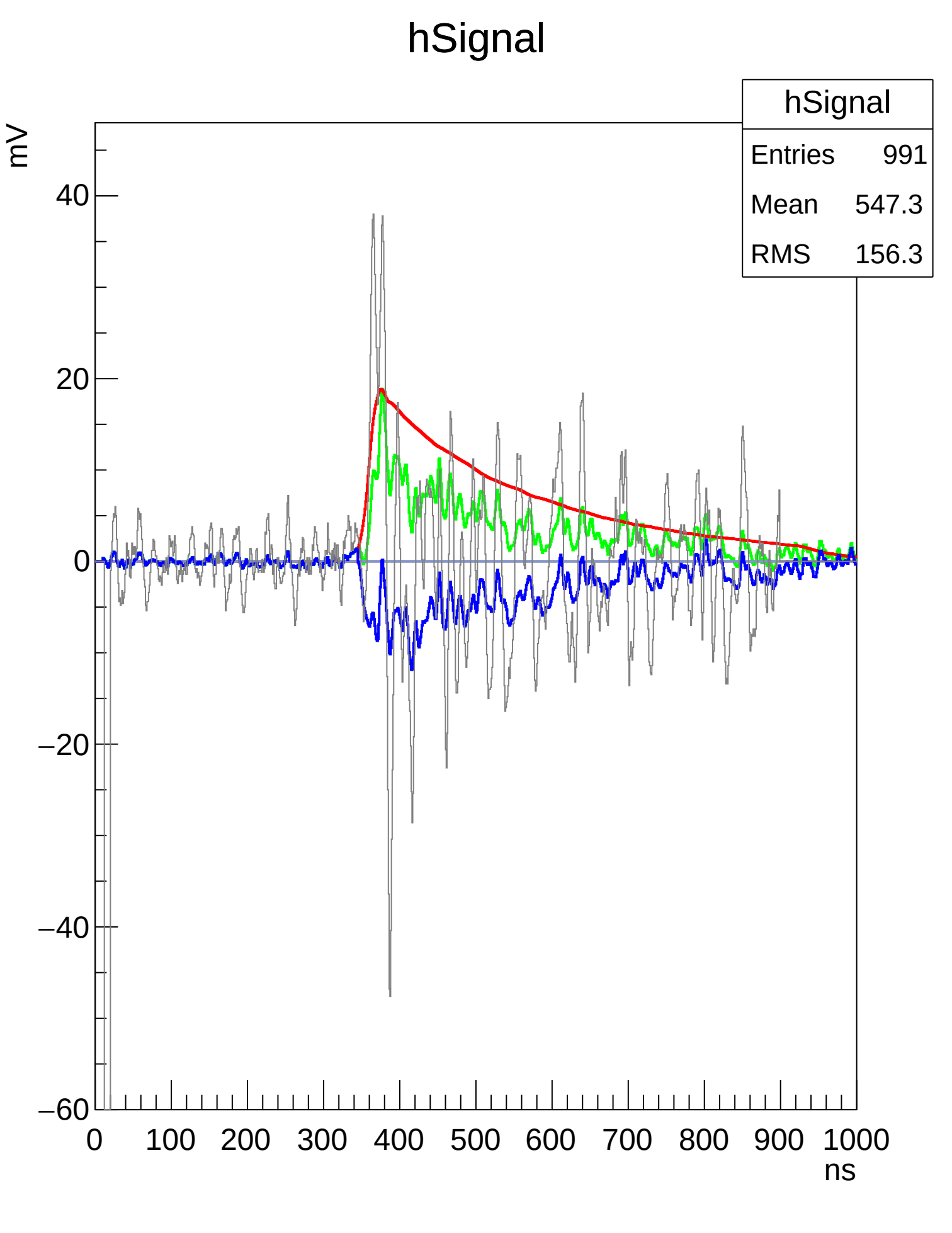
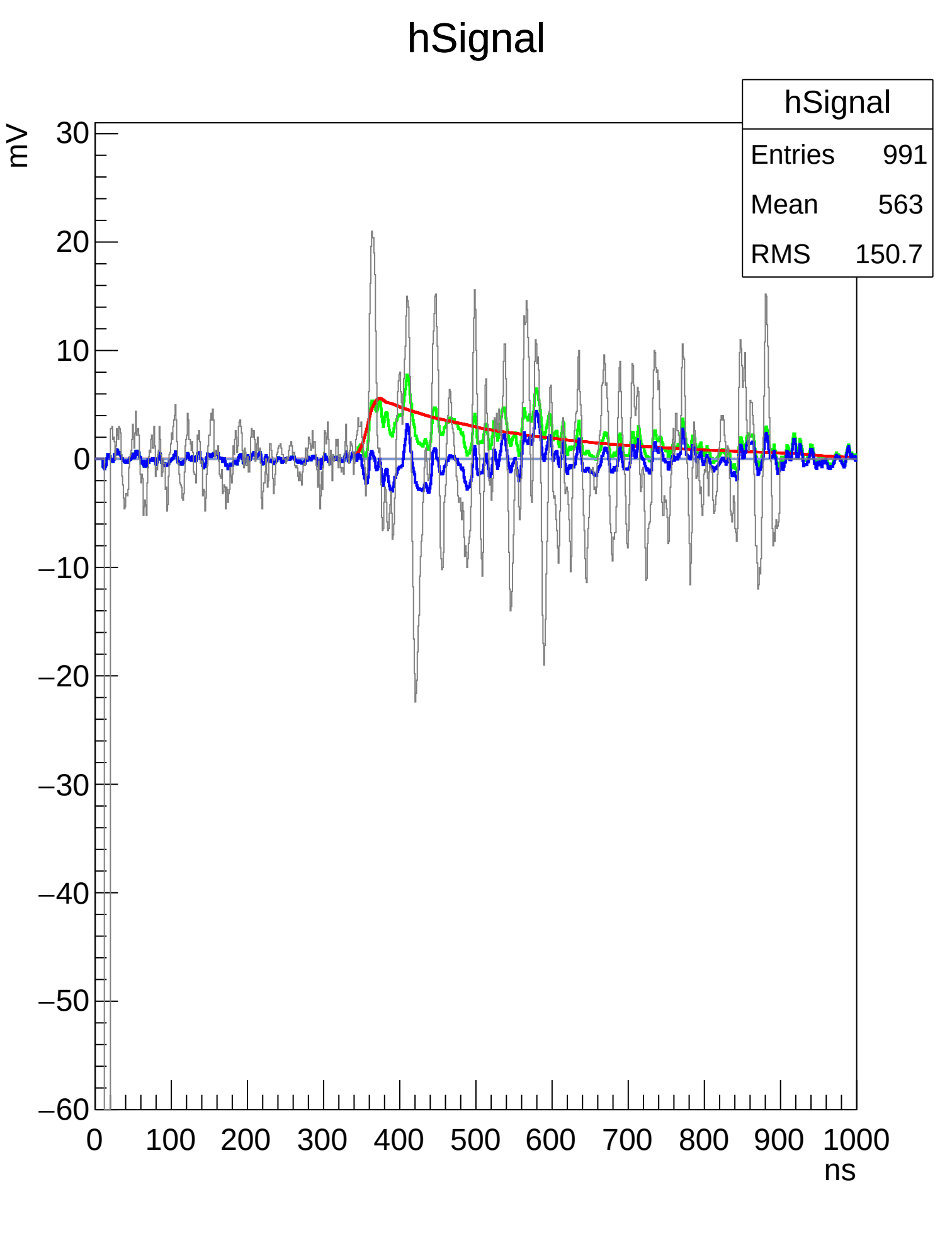
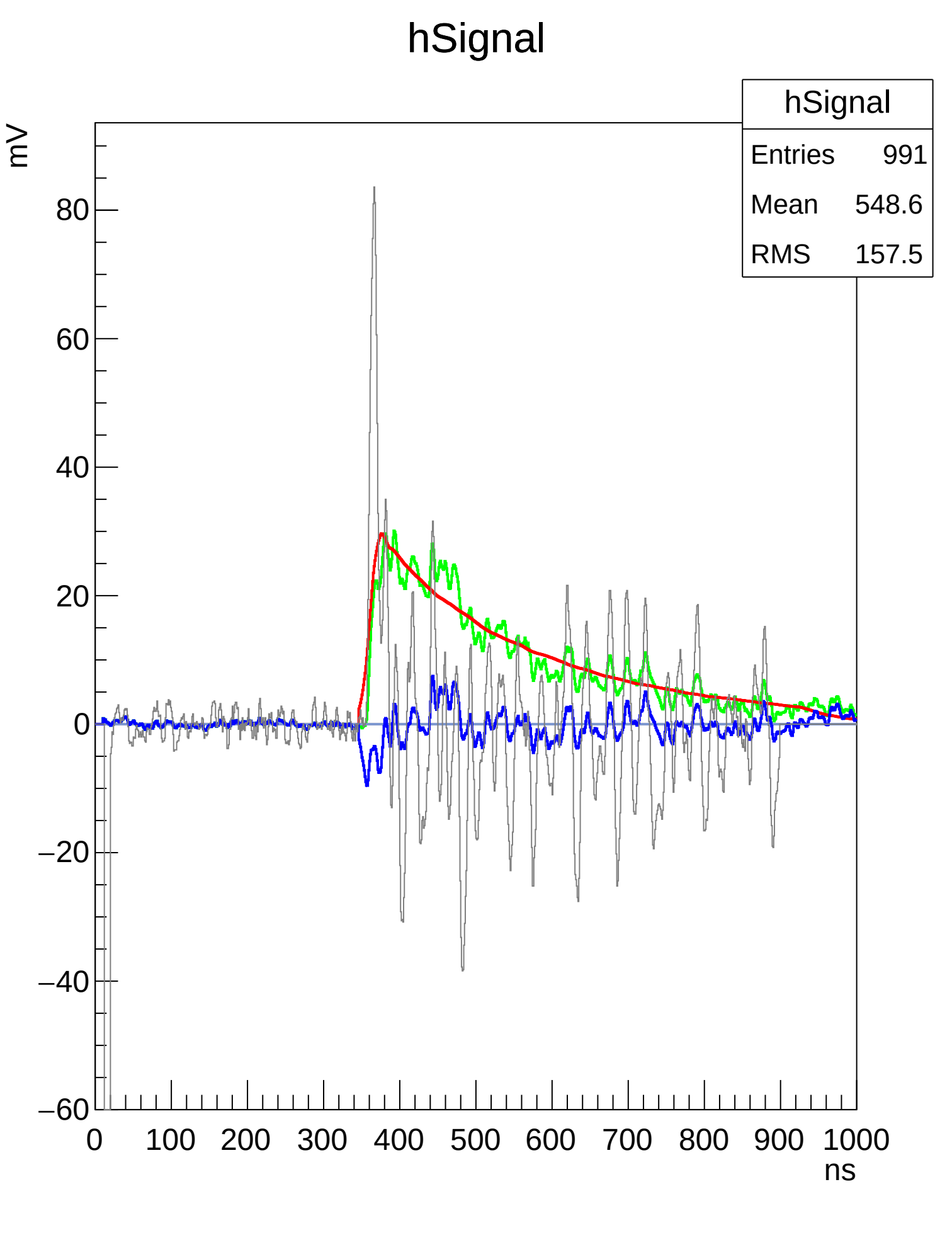
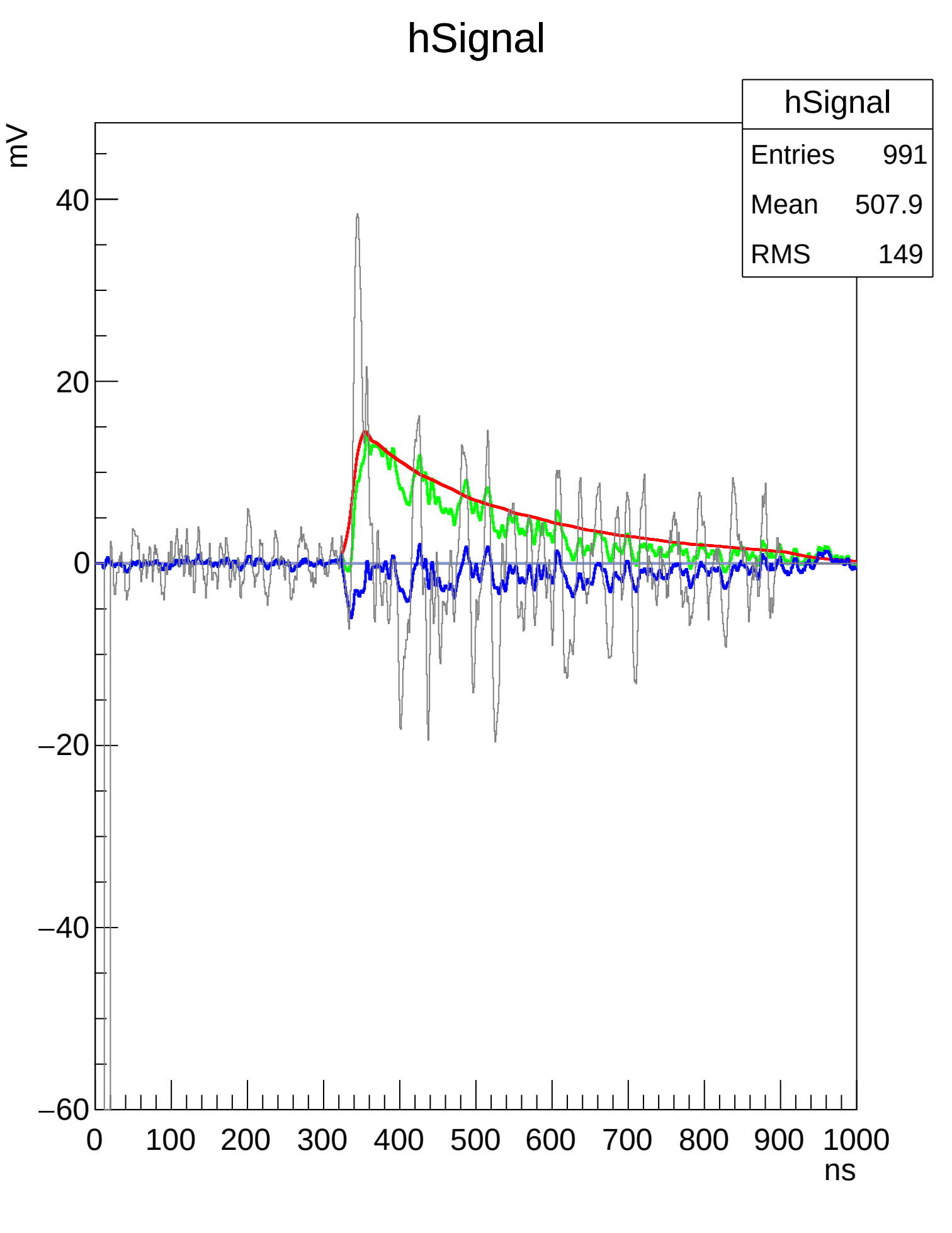
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.3
RMS 156.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563
RMS 150.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.6
RMS 157.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.9
RMS 149
mV
40
20
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−20
−40
−60
0
100
200
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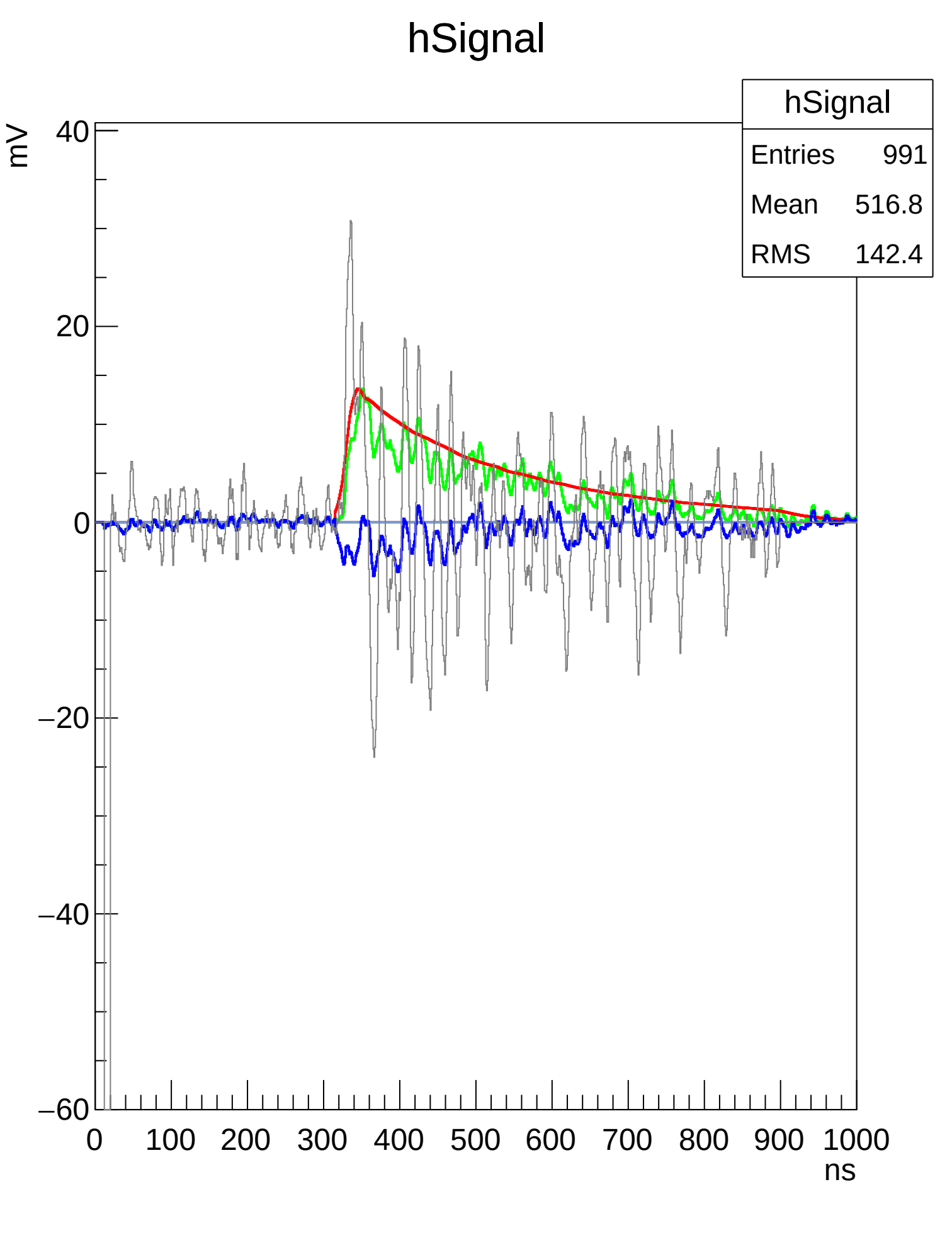
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.8
RMS 142.4
mV
40
20
0
−20
−40
−60
0
100
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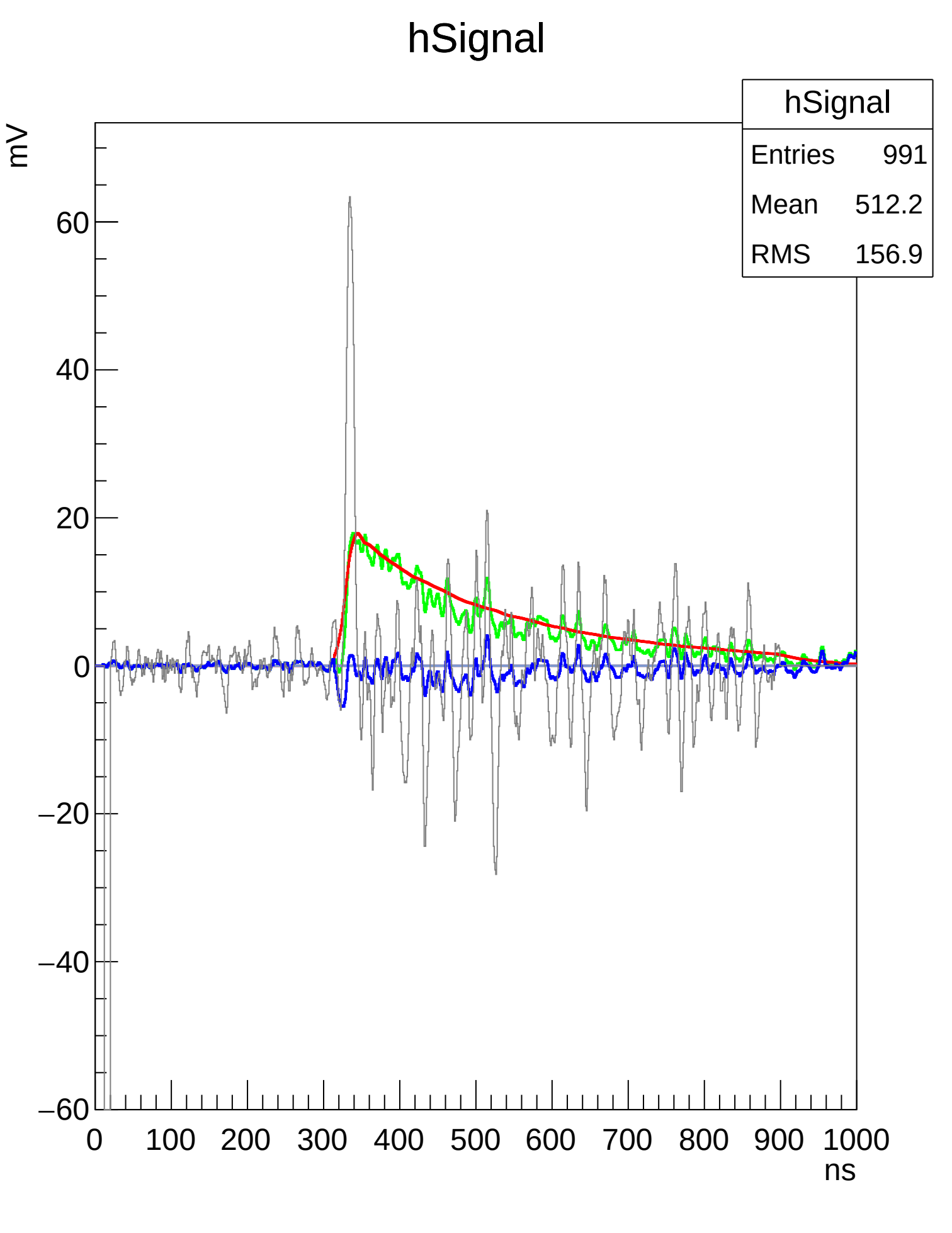
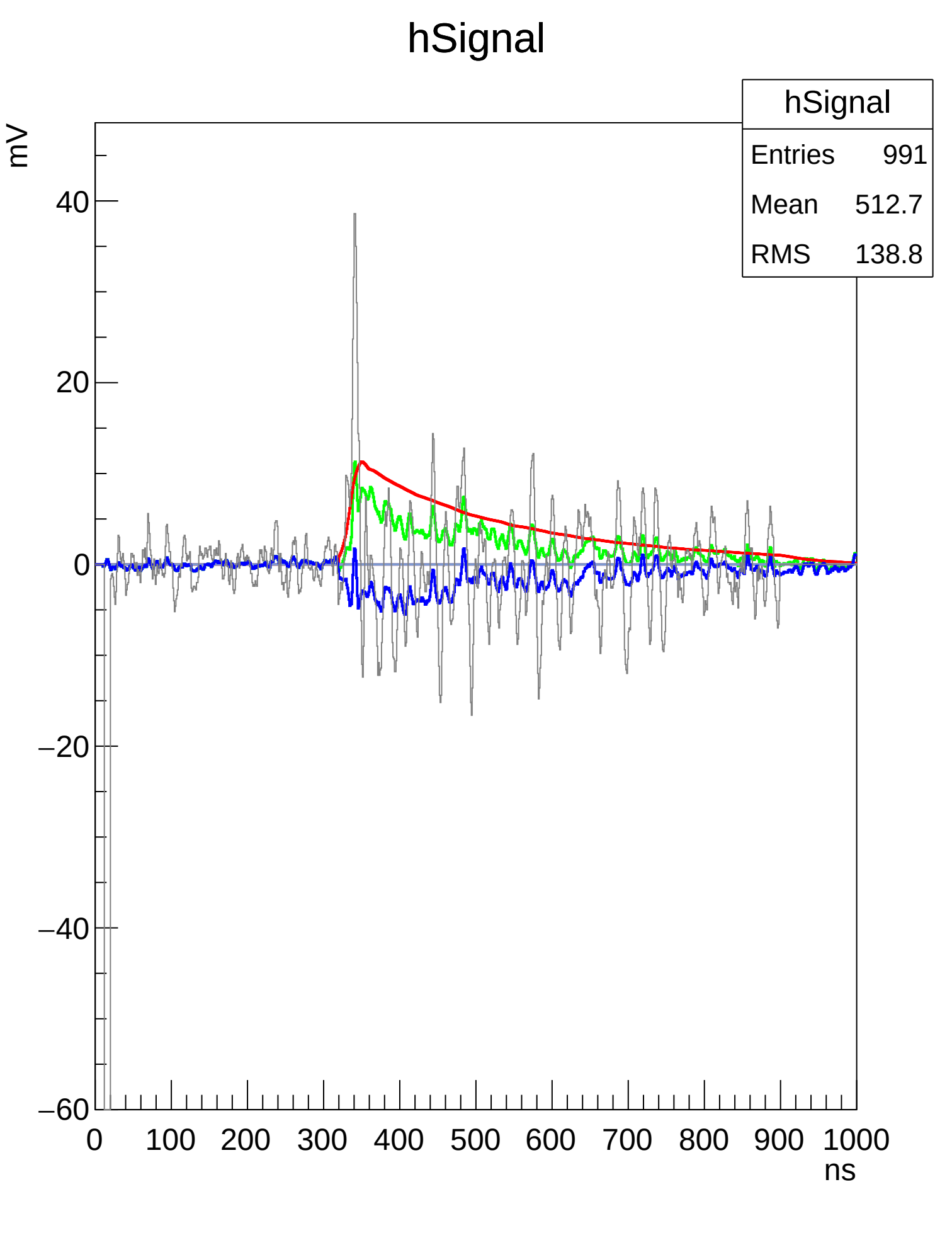
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.2
RMS 156.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.7
RMS 138.8
mV
40
20
0
−20
−40
−60
0
100
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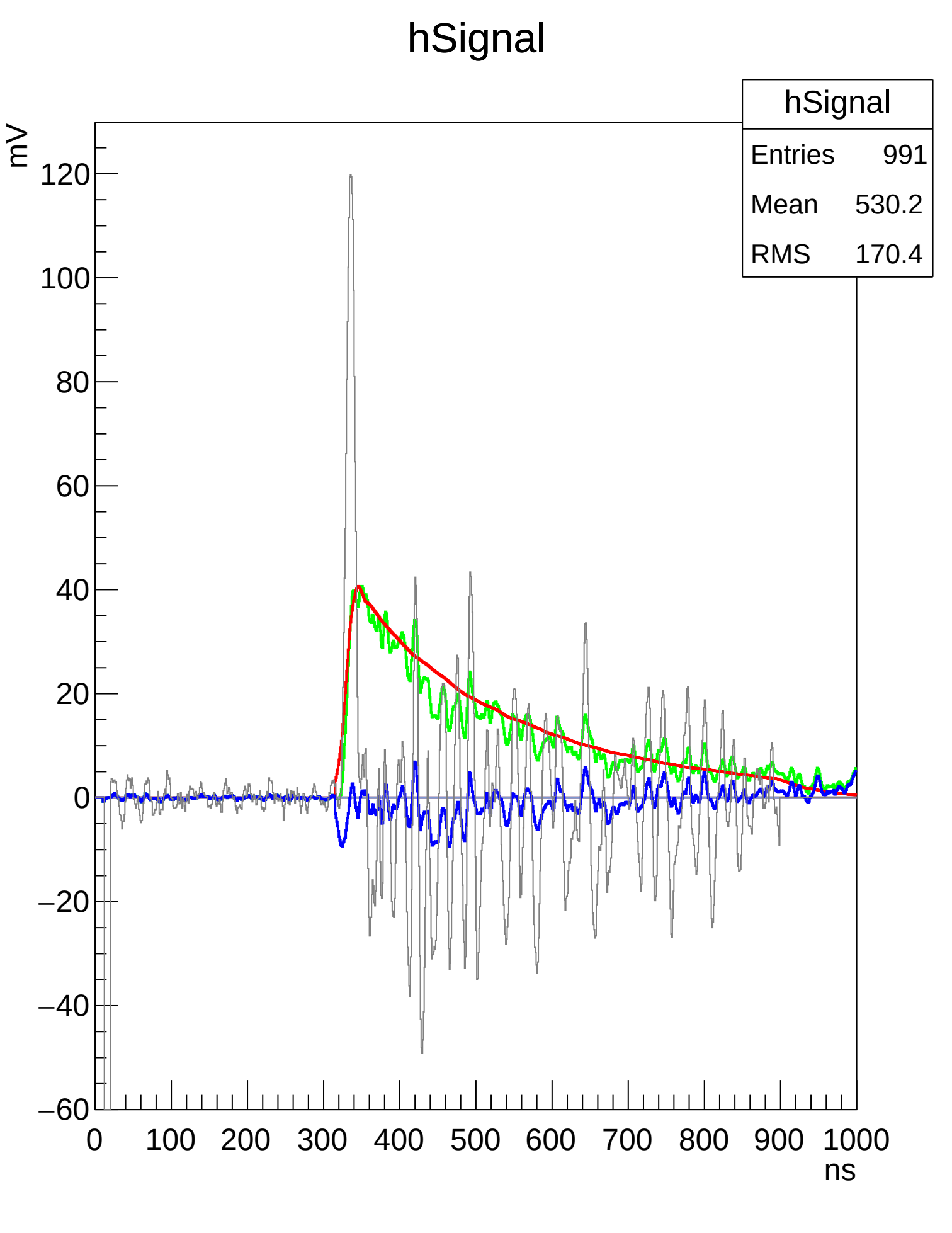
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.2
RMS 170.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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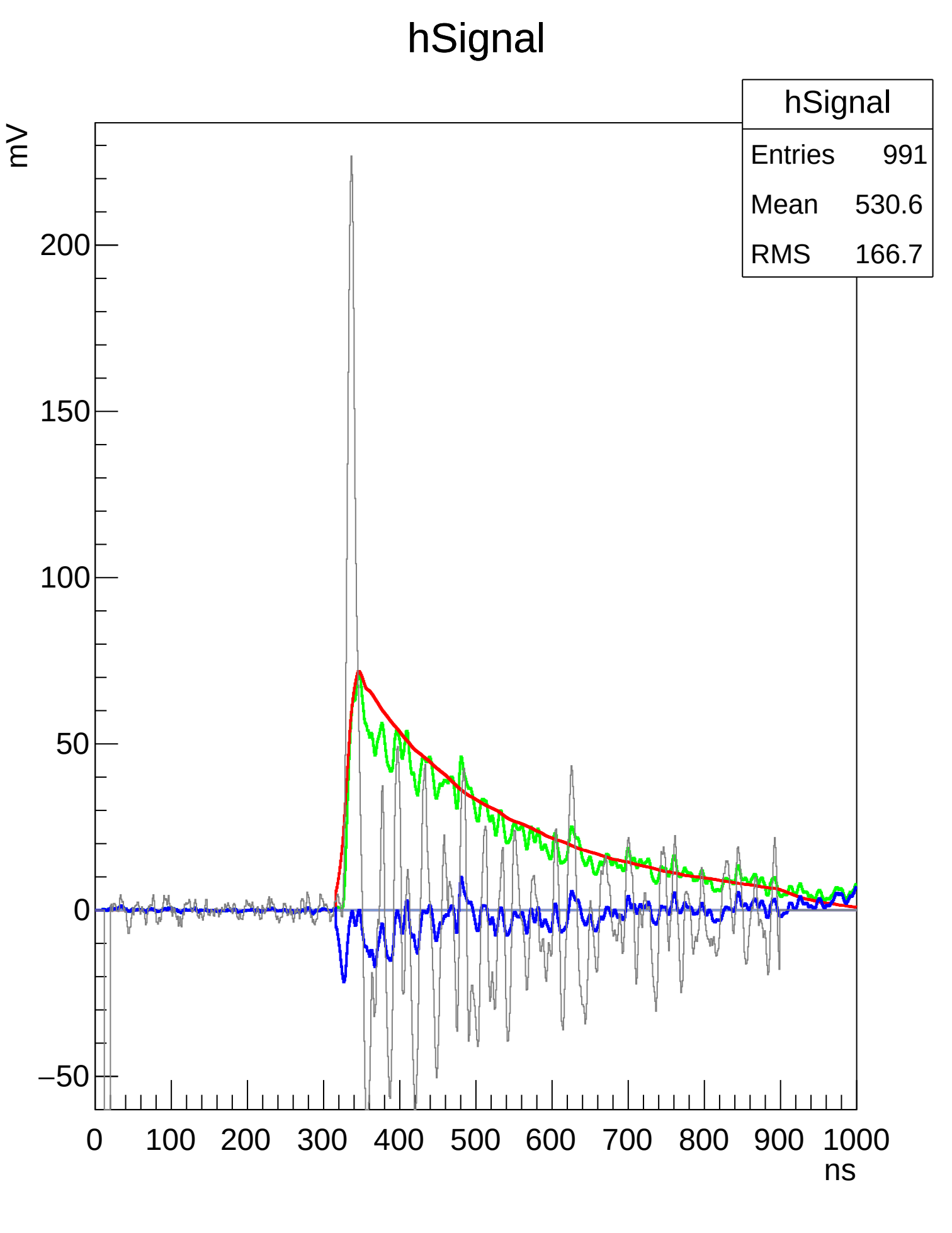
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.6
RMS 166.7
mV
200
150
100
50
0
−50
0
100
200
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400
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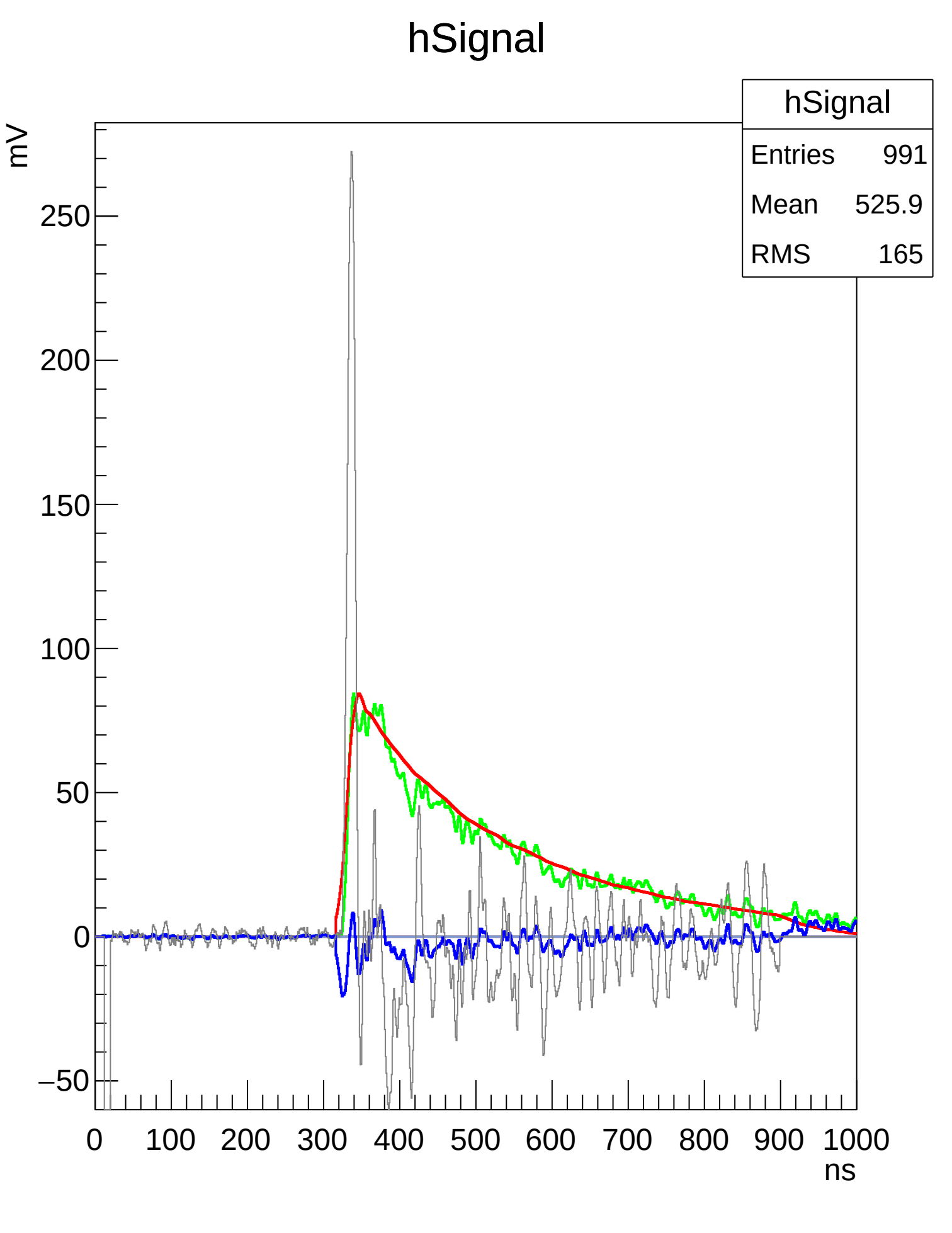
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.9
RMS 165
mV
250
200
150
100
50
0
−50
0
100
200
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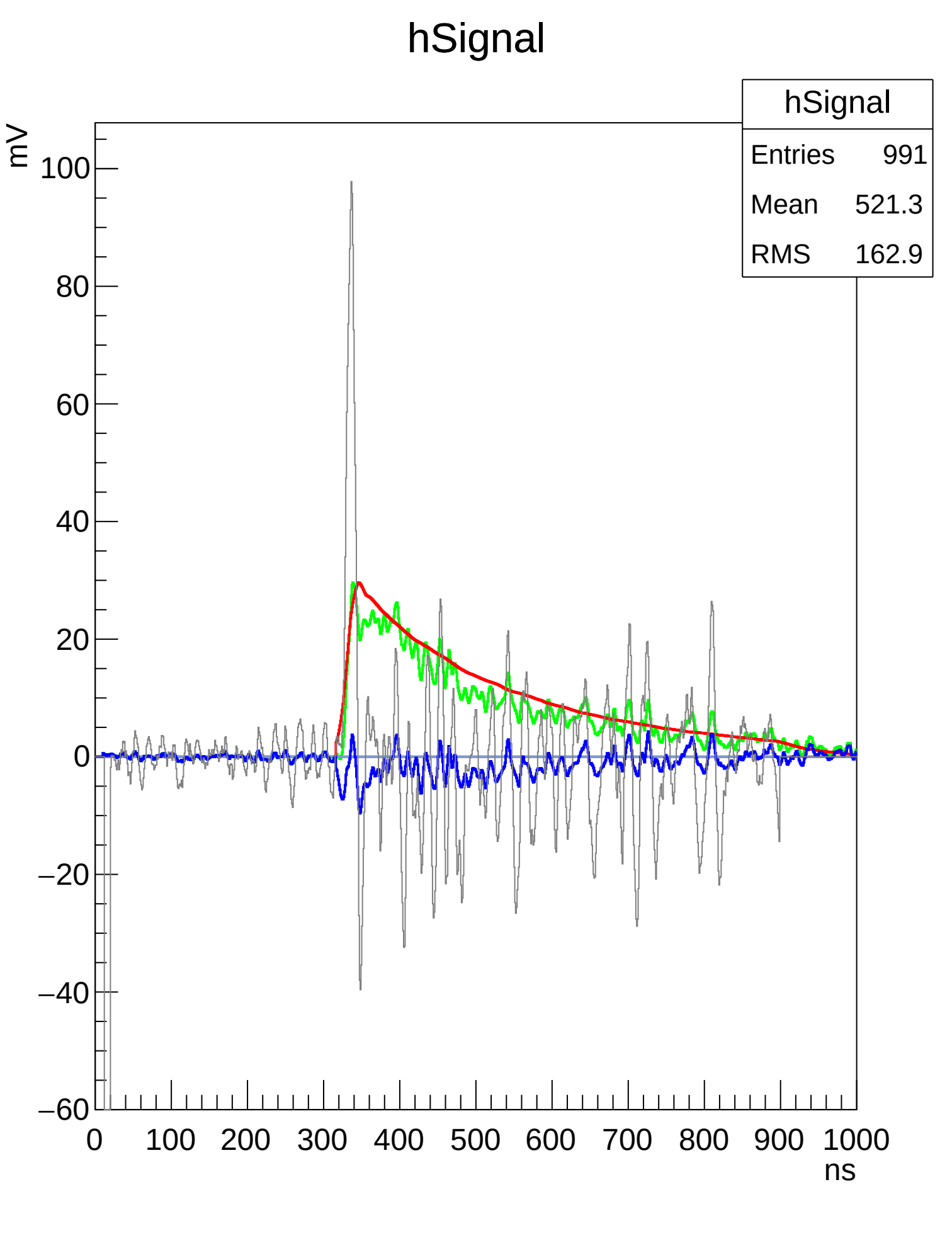
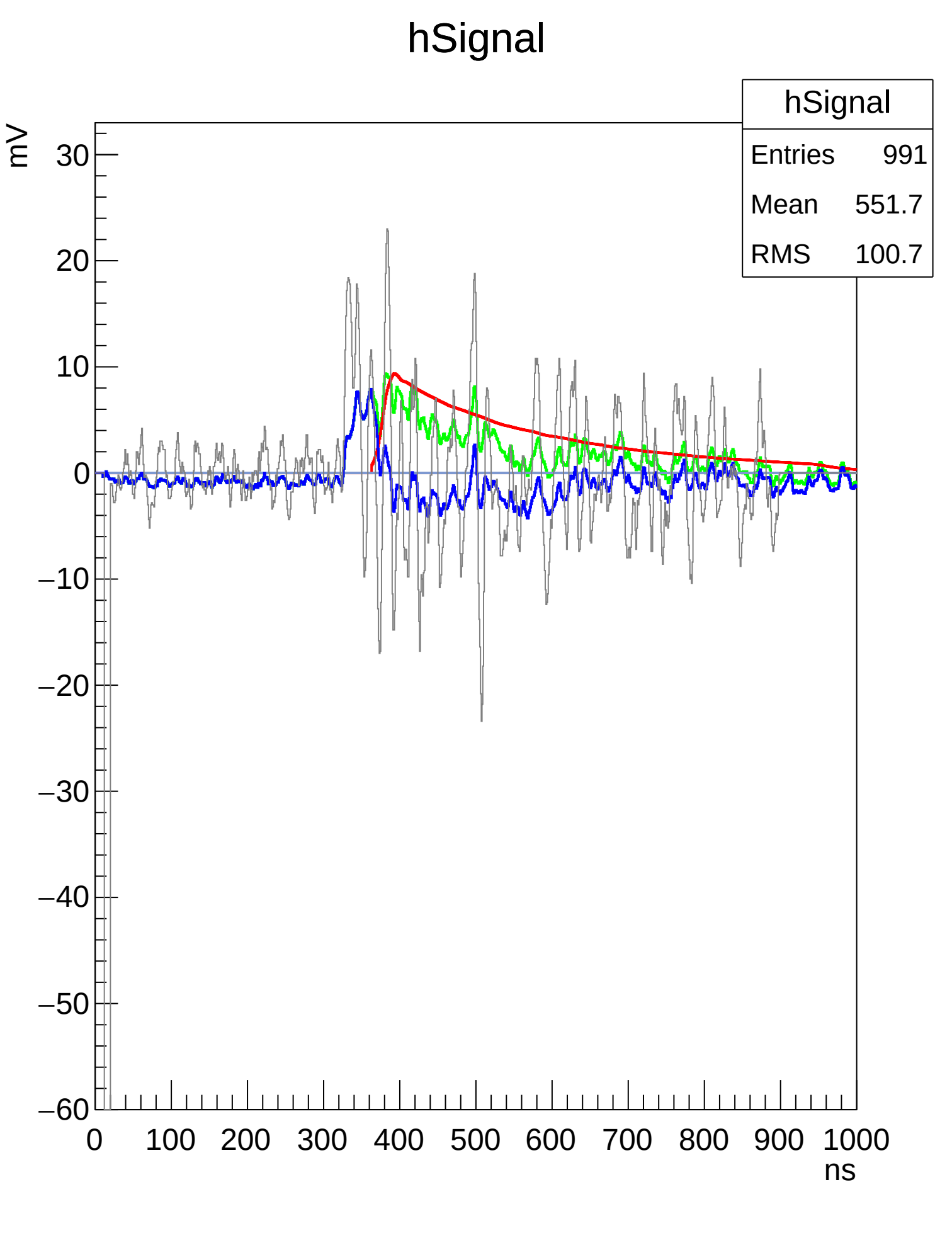
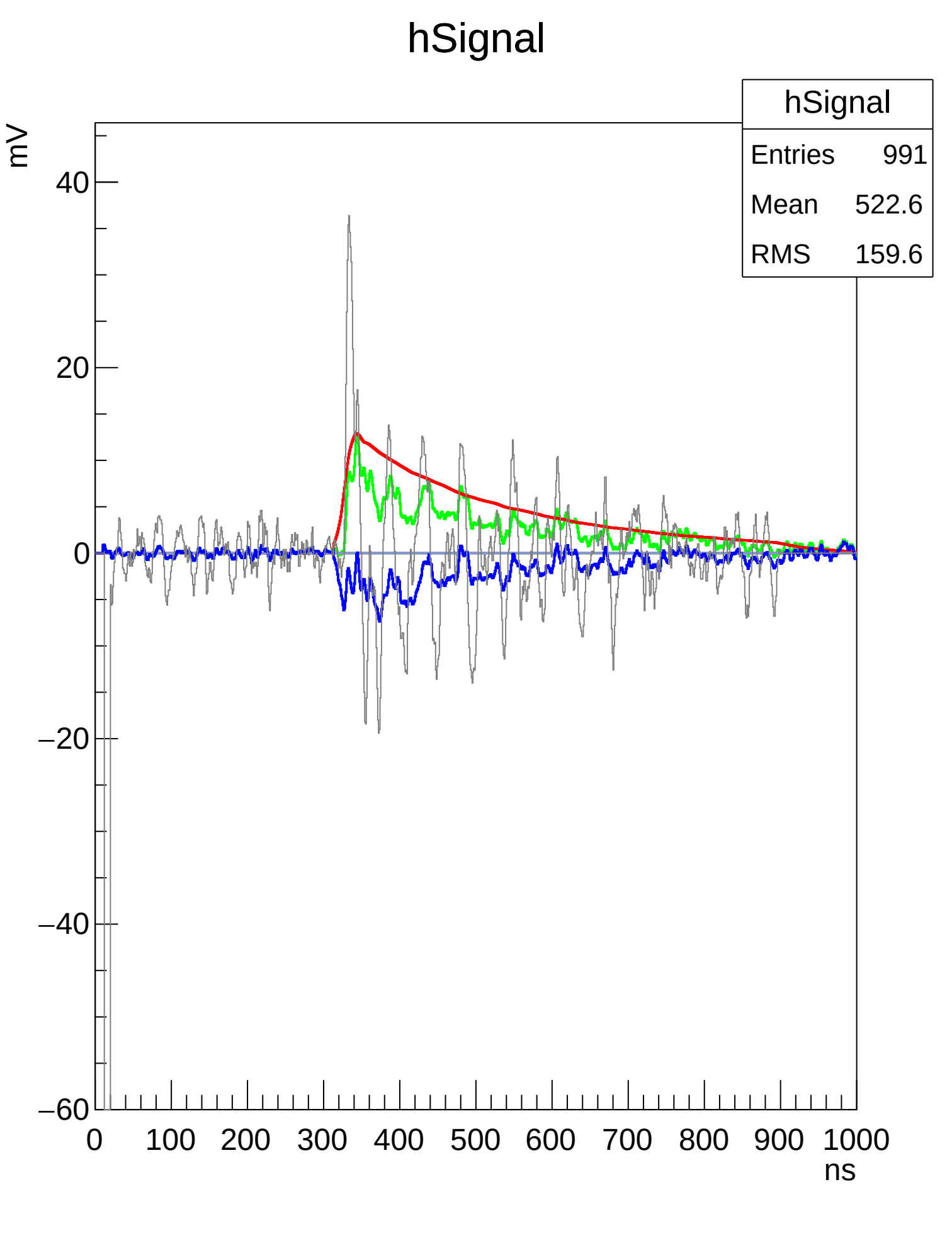
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.3
RMS 162.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.7
RMS 100.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.6
RMS 159.6
mV
40
20
0
−20
−40
−60
0
100
200
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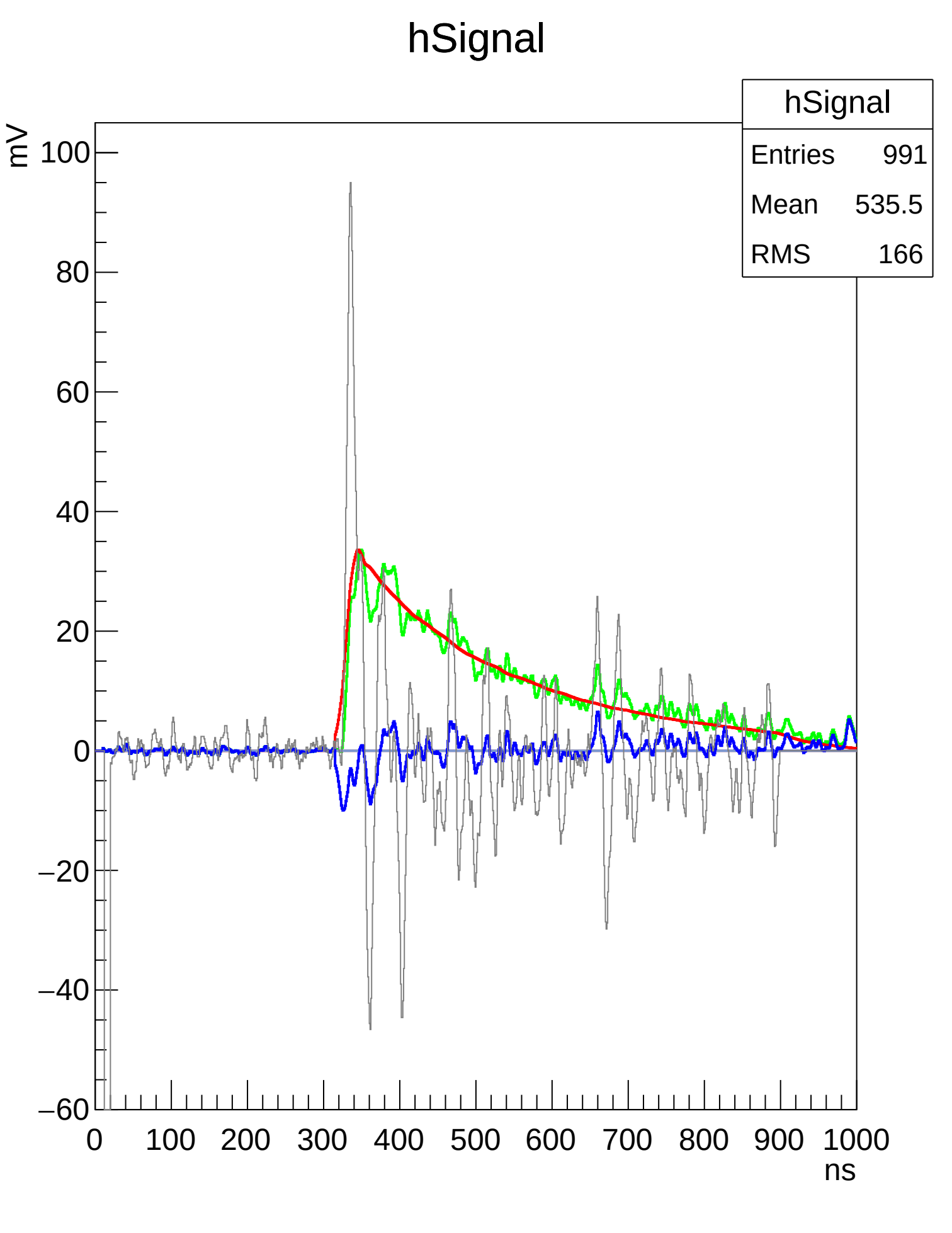
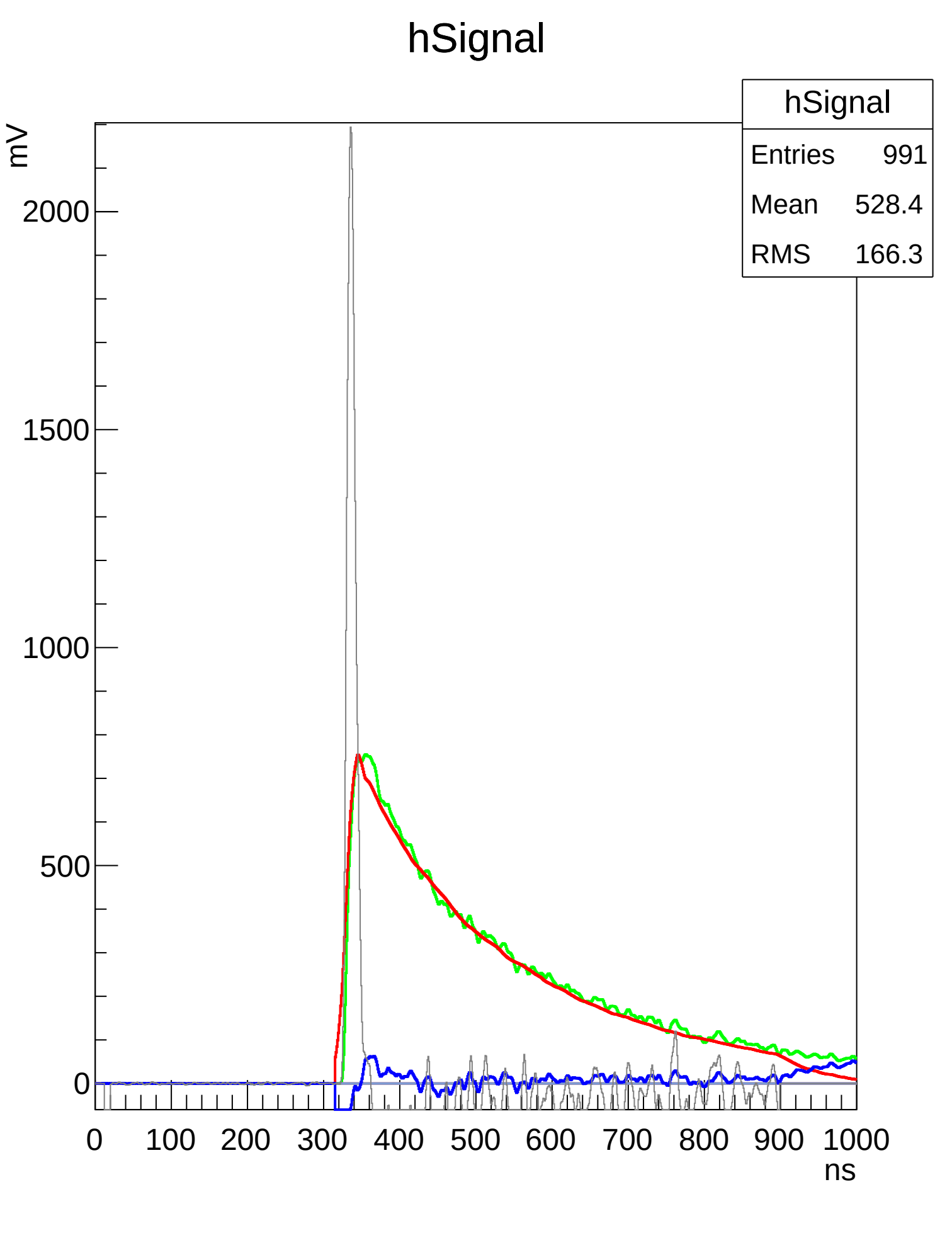
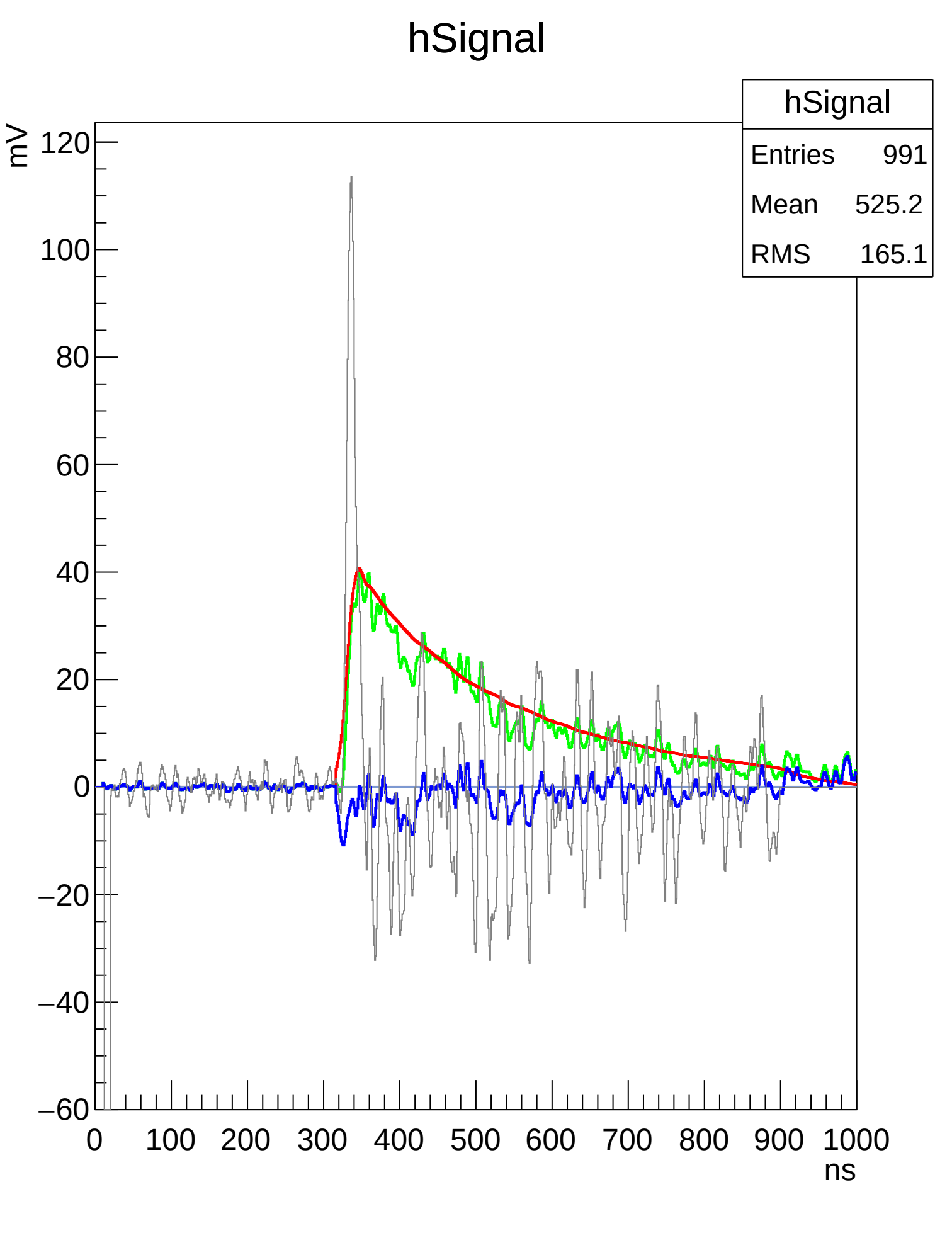
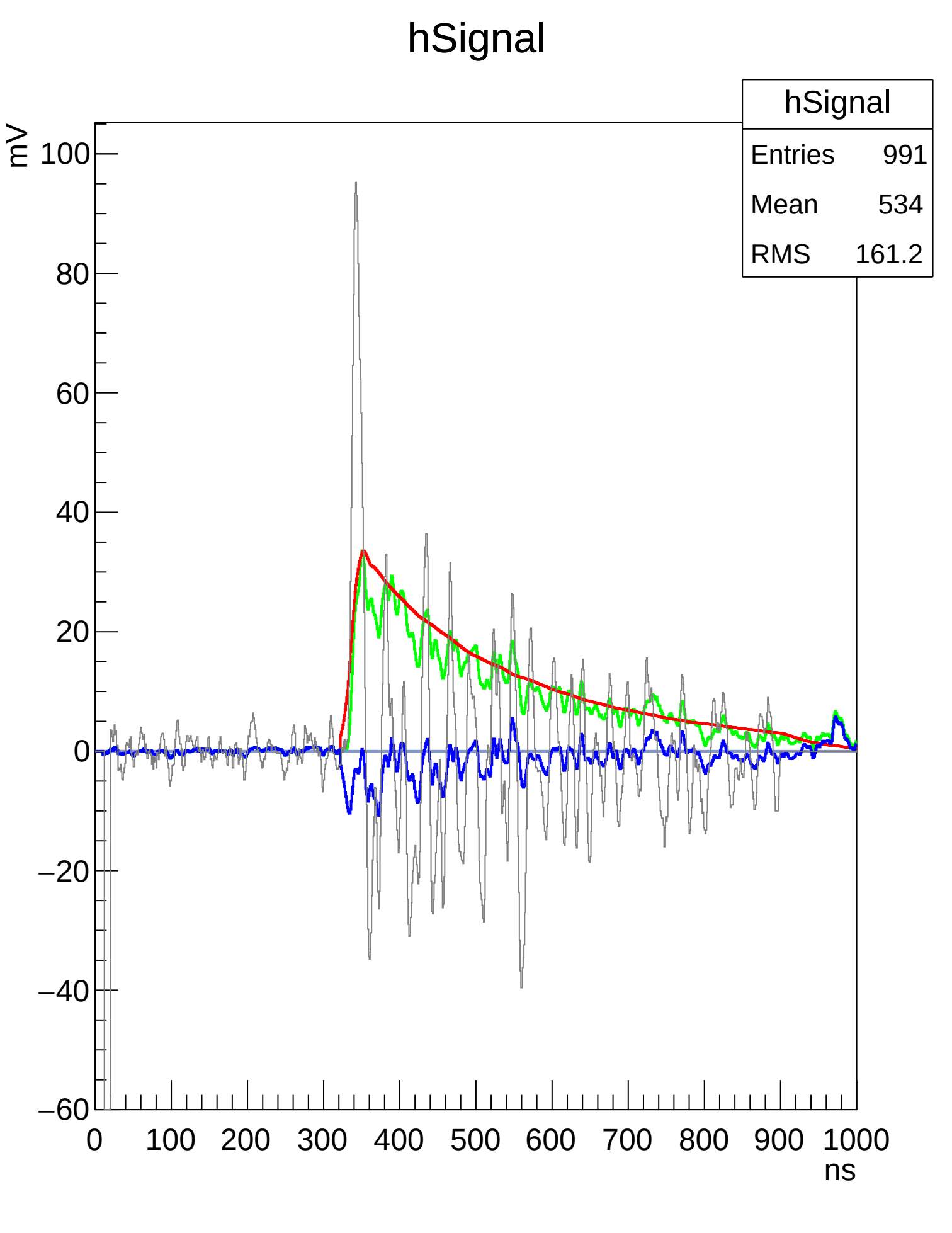
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.5
RMS 166
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.4
RMS 166.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 525.2
RMS 165.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534
RMS 161.2
mV
100
80
60
40
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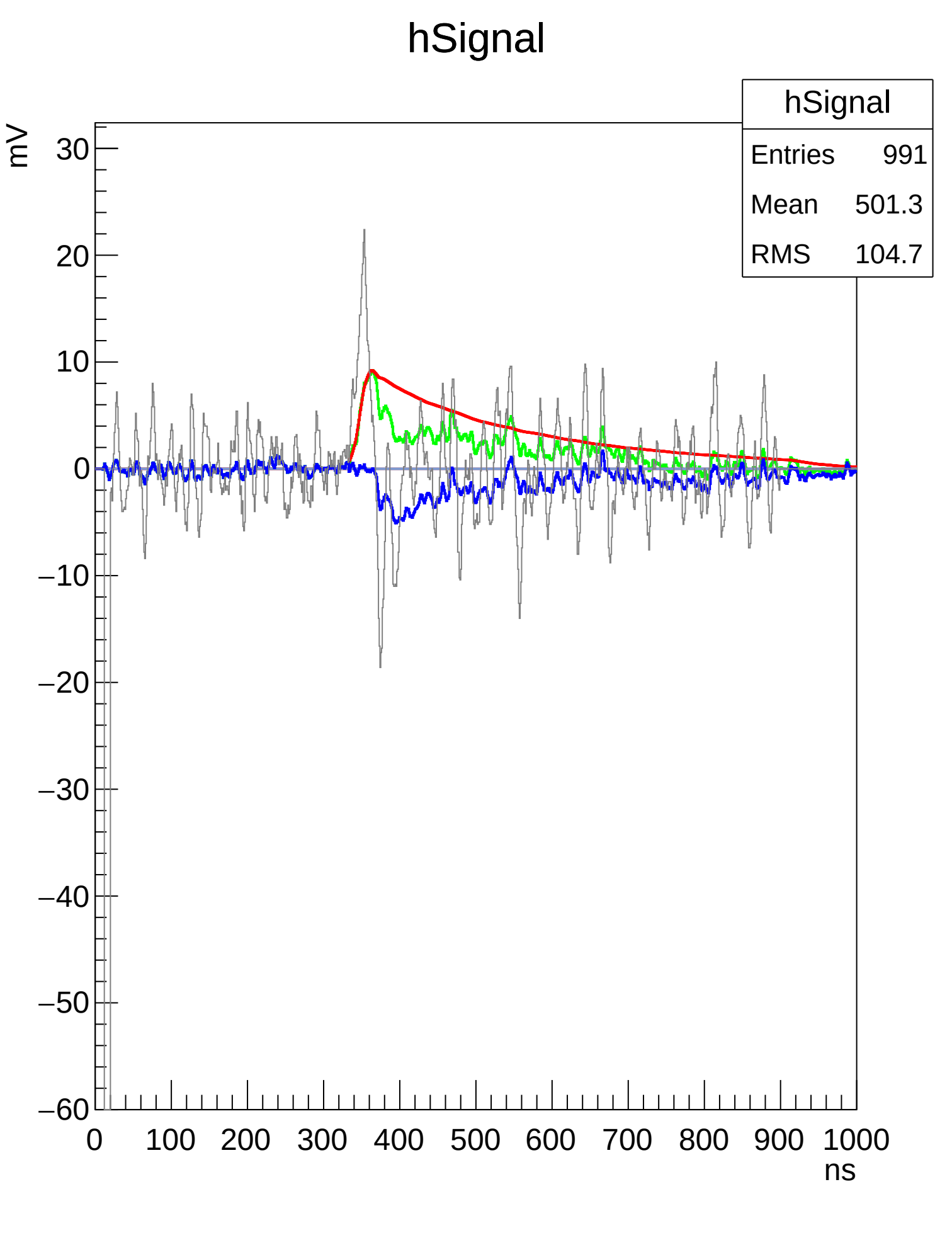
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.3
RMS 104.7
mV
30
20
10
0
−10
−20
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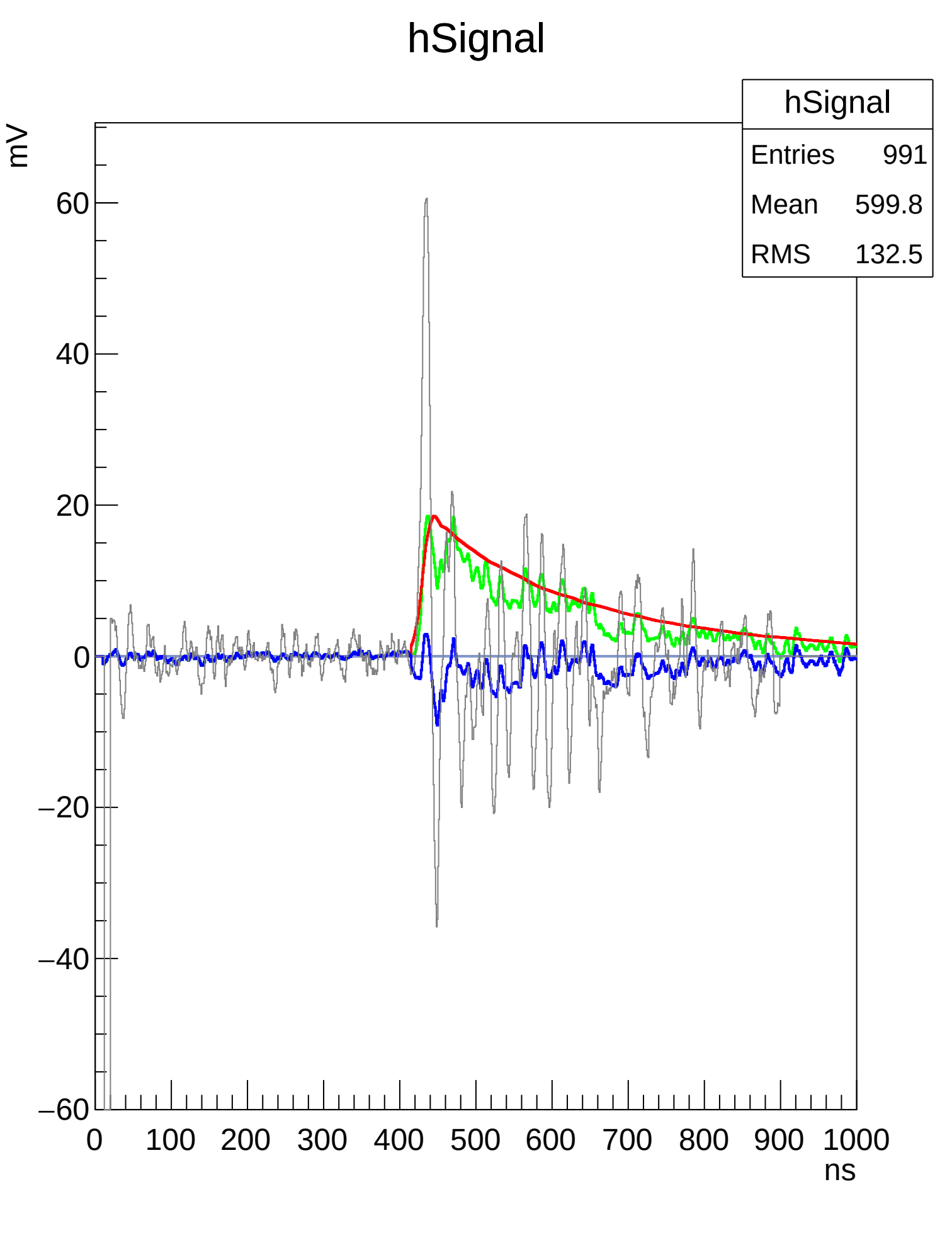
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.8
RMS 132.5
mV
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40
20
0
−20
−40
−60
0
100
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400
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600
700
800
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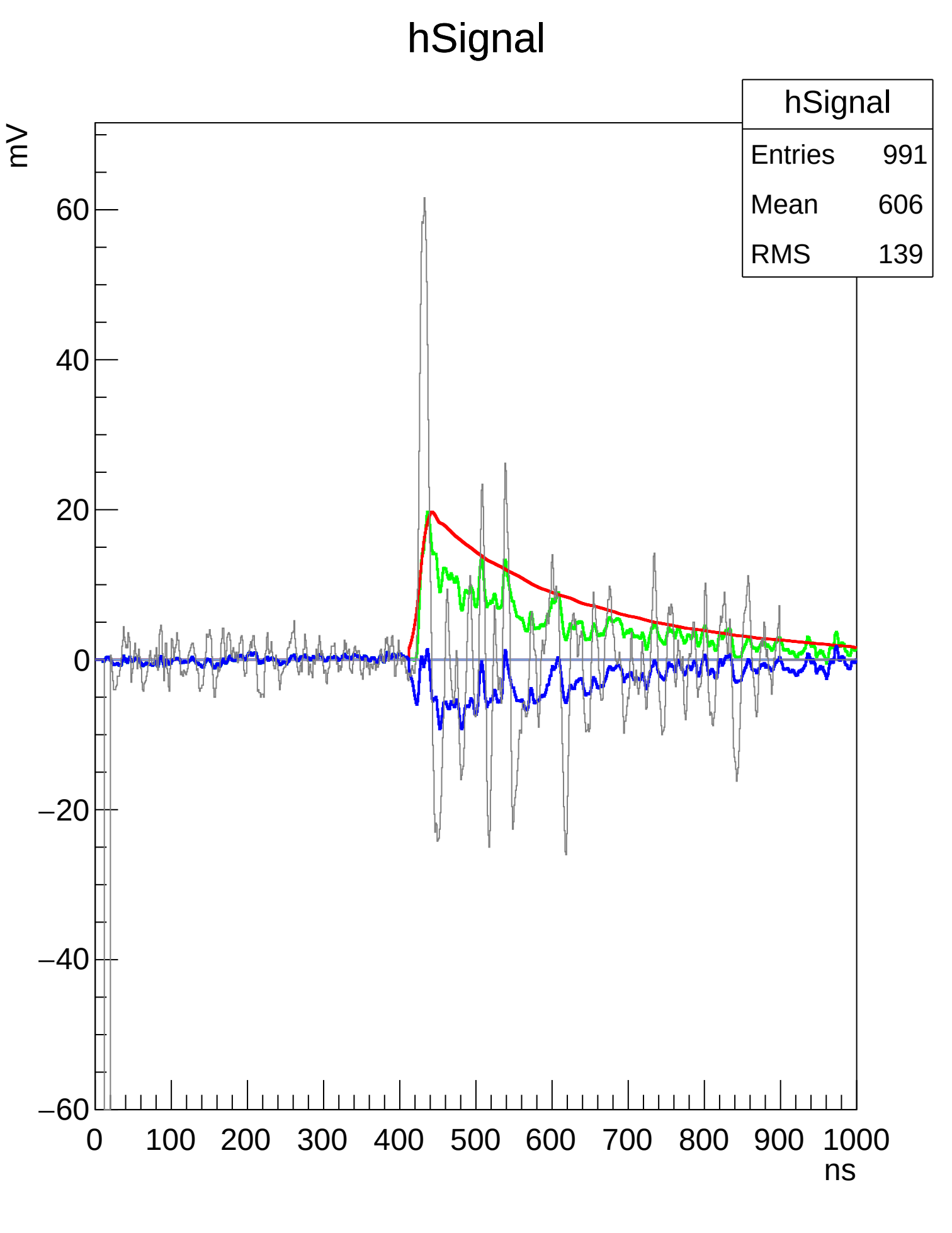
1000
ns


hSignal
hSignal
Entries 991
Mean 606
RMS 139
mV
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40
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−20
−40
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0
100
200
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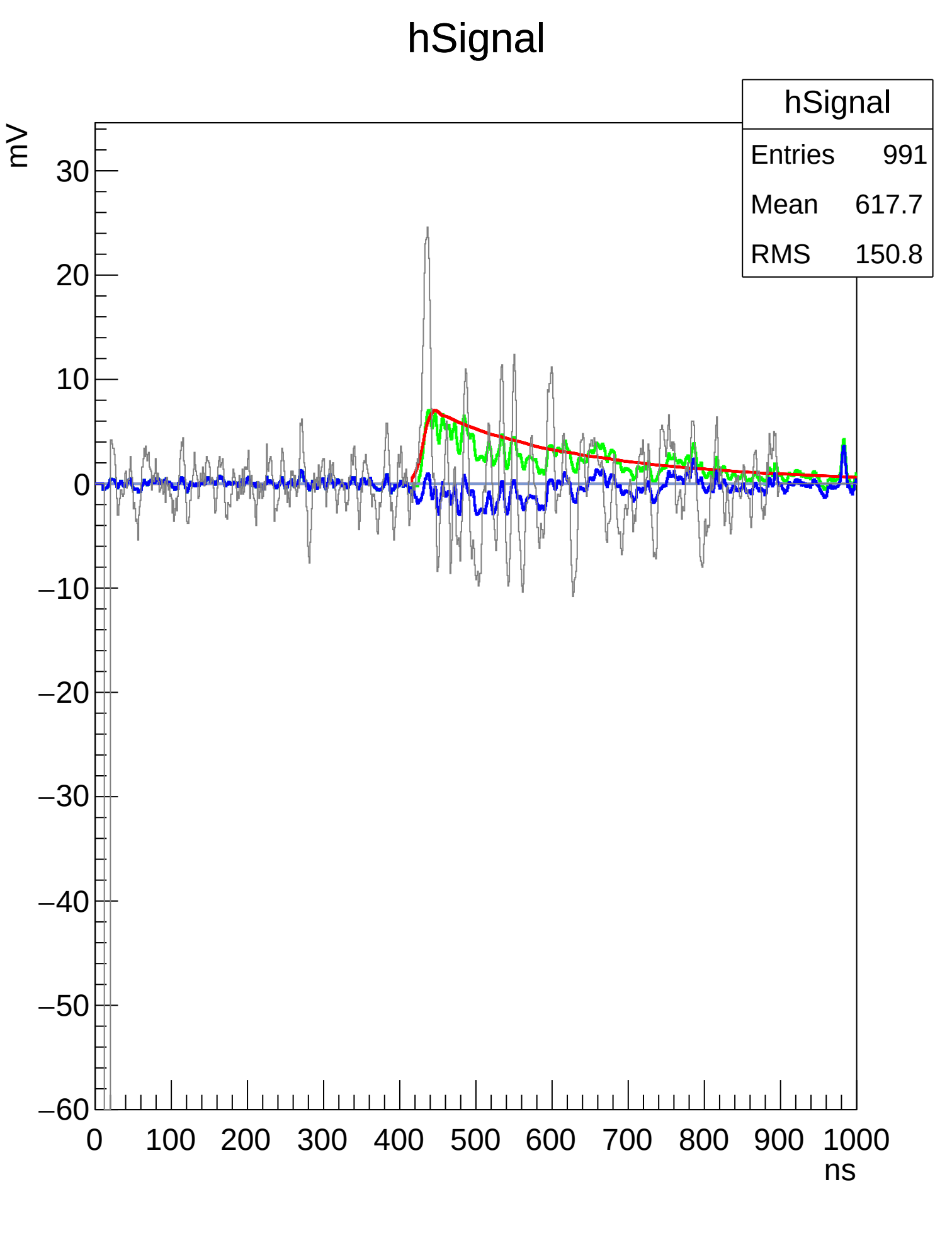
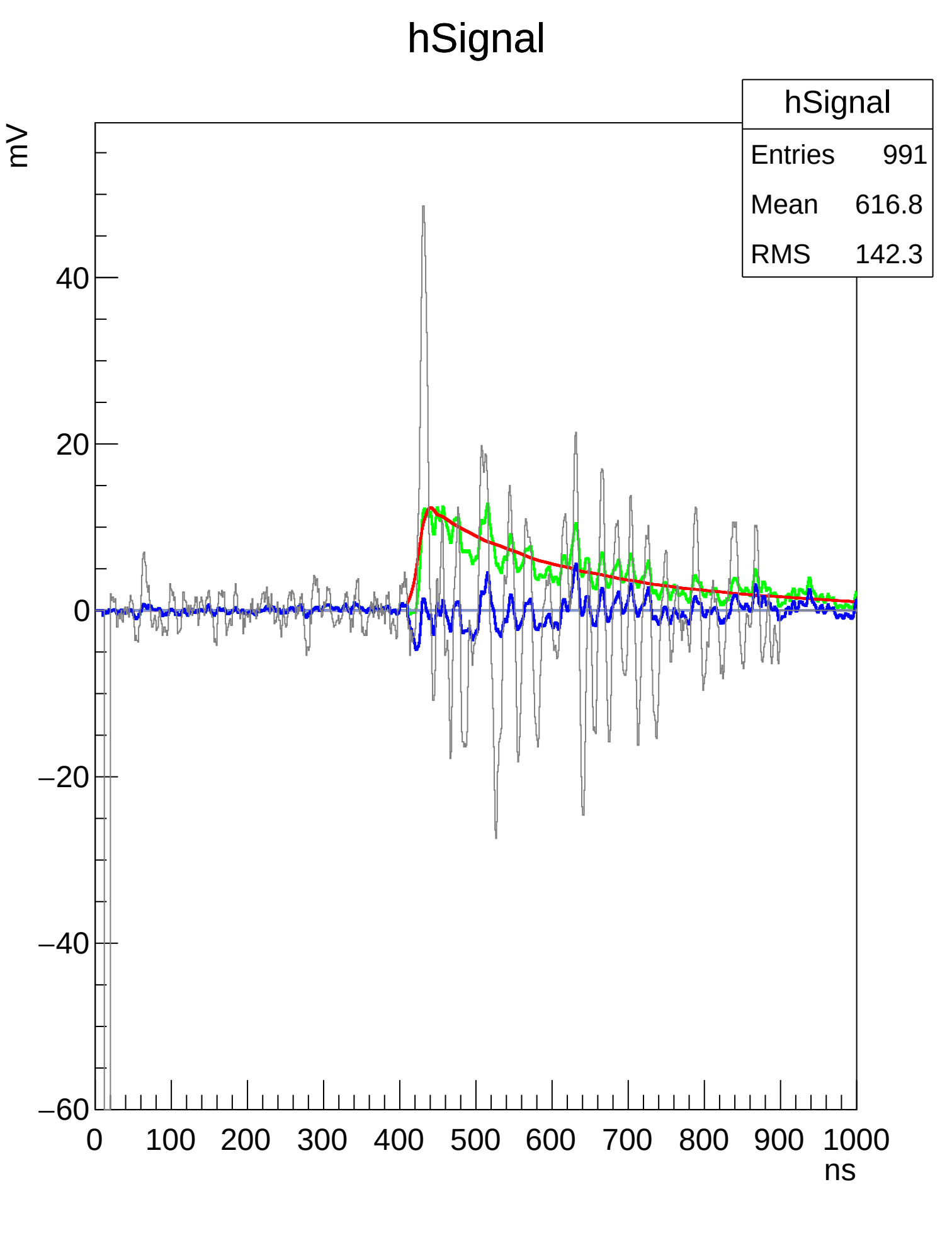
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.7
RMS 150.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.8
RMS 142.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
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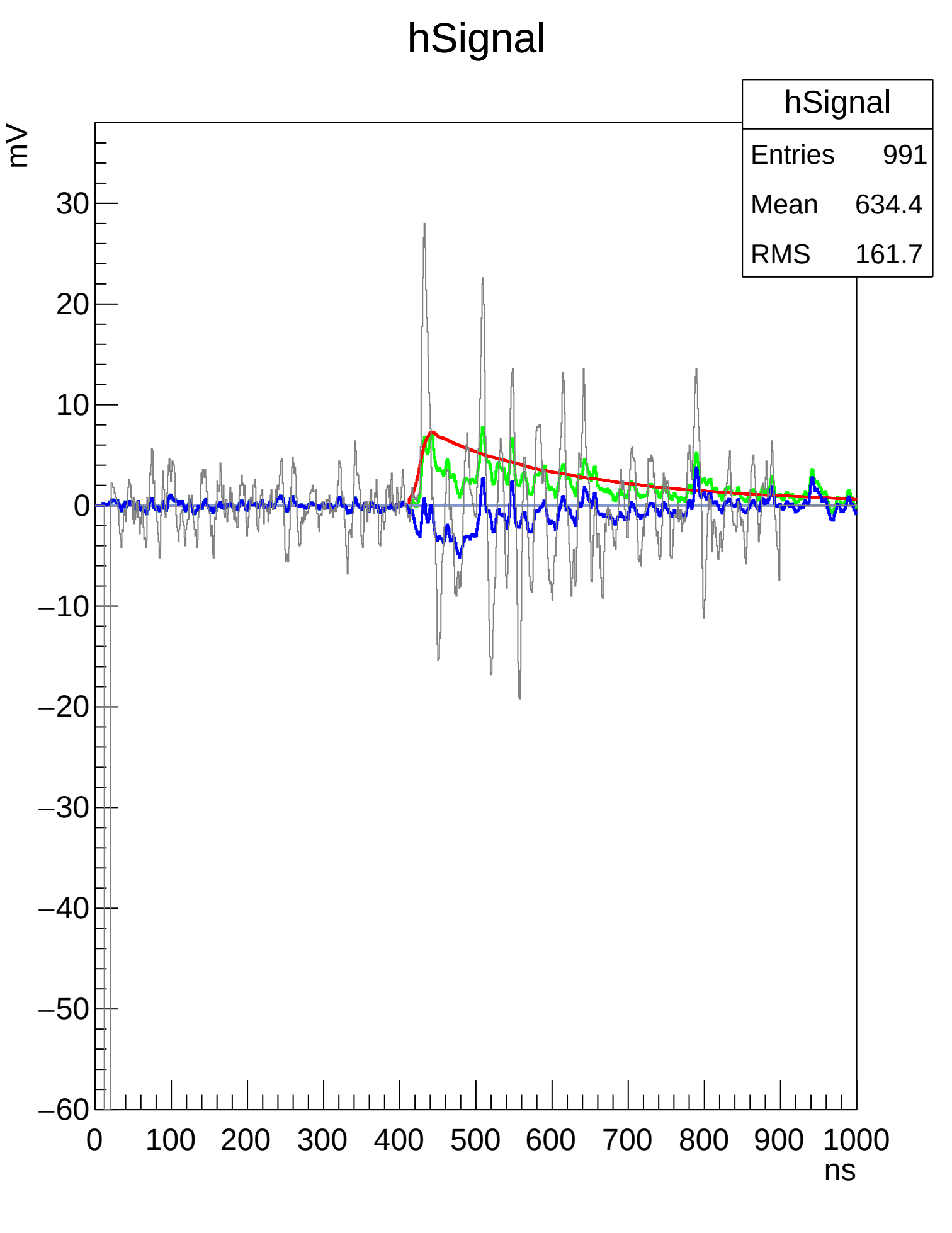
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 634.4
RMS 161.7
mV
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20
10
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0
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200
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800
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1000
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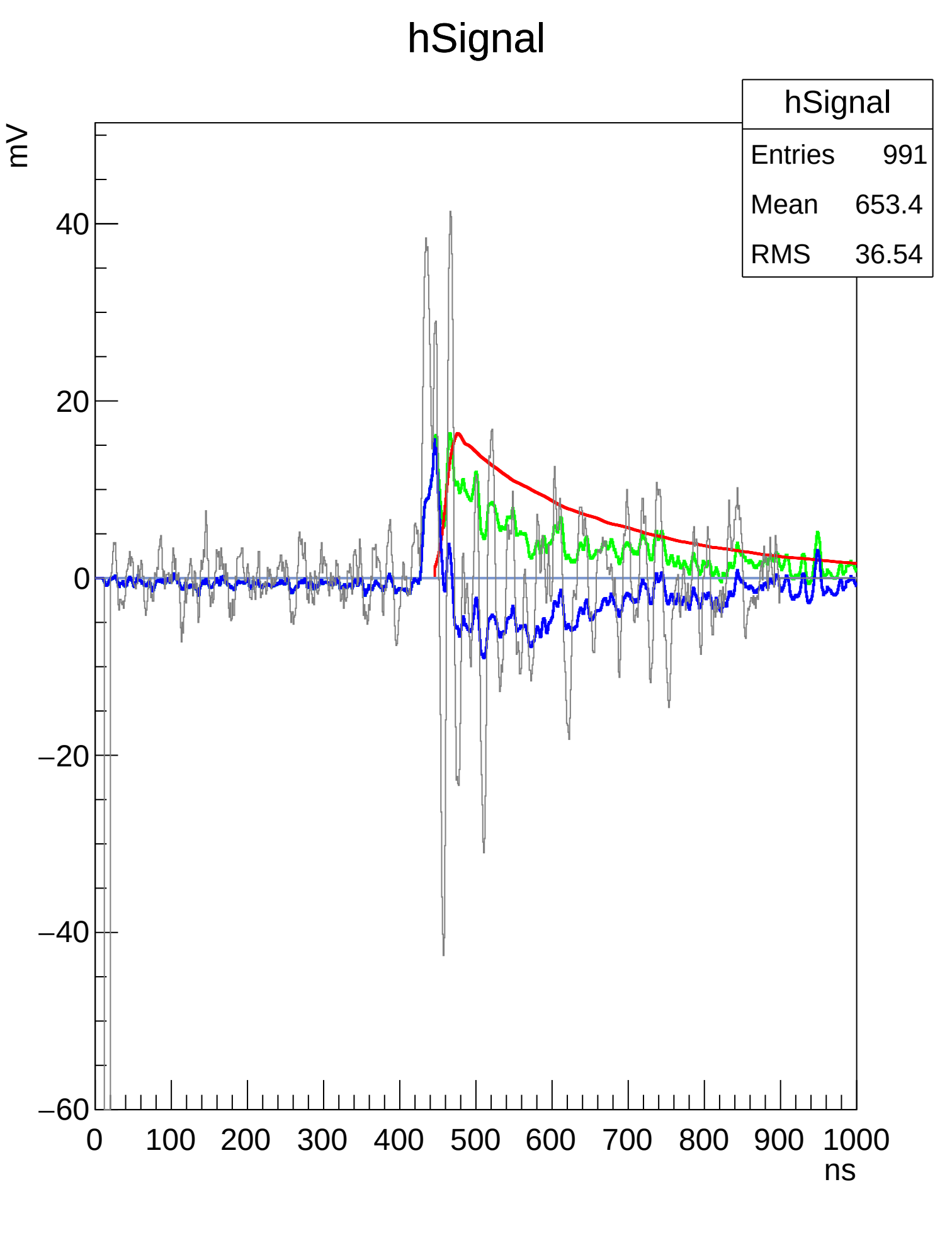
hSignal
hSignal
Entries 991
Mean 653.4
RMS 36.54
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1000
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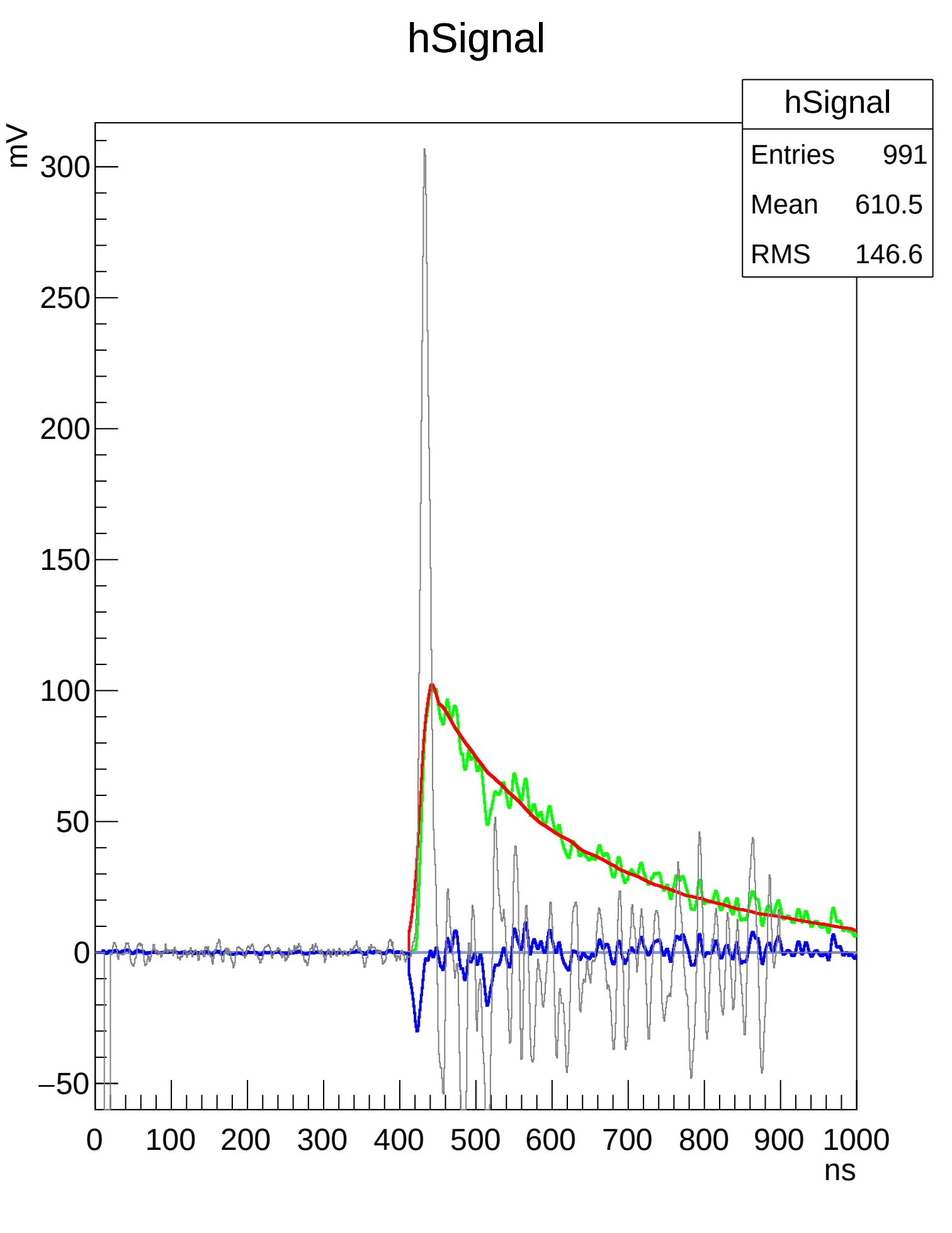
hSignal
hSignal
Entries 991
Mean 610.5
RMS 146.6
mV
300
250
200
150
100
50
0
−50
0
100
200
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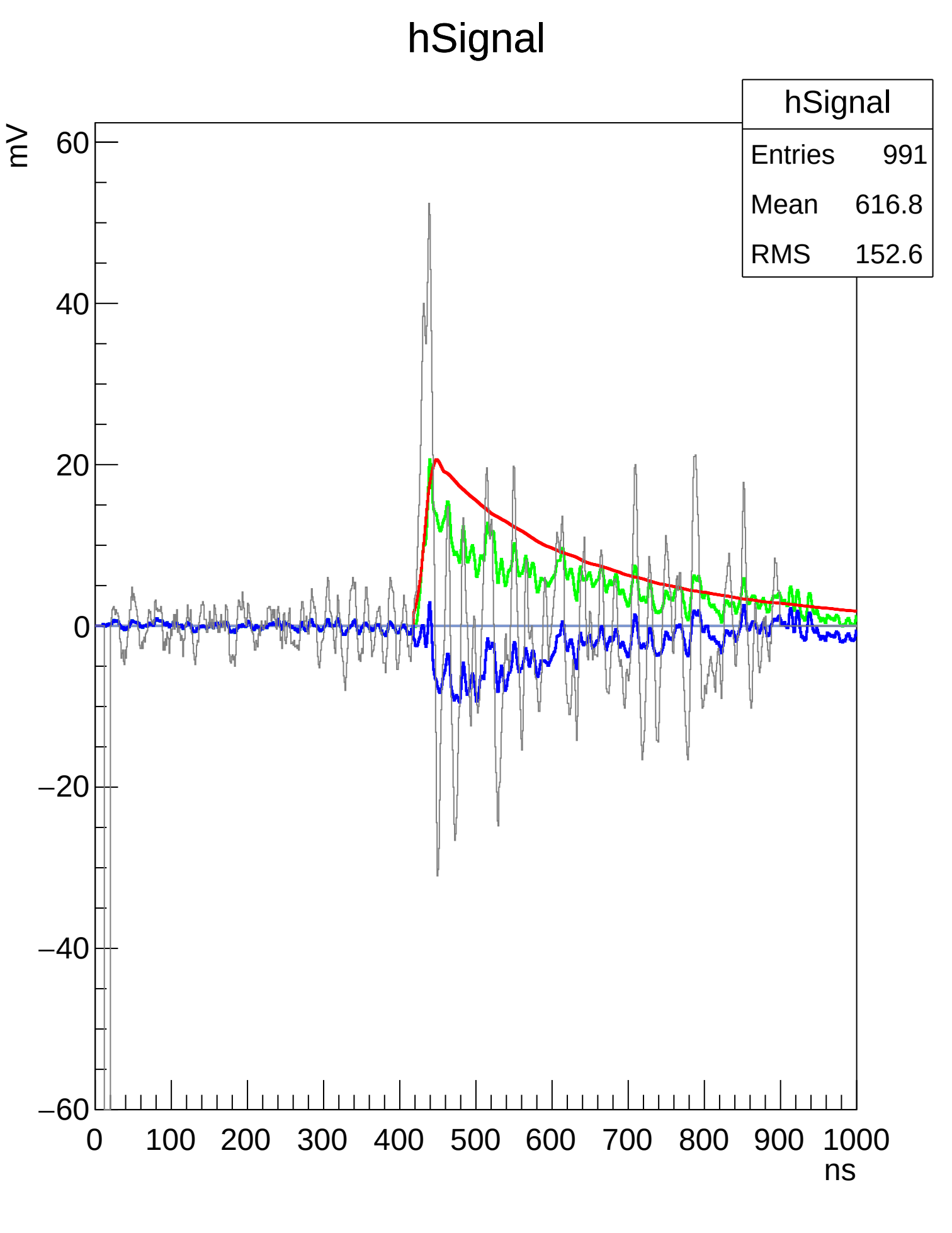
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.8
RMS 152.6
mV
60
40
20
0
−20
−40
−60
0
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200
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400
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600
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800
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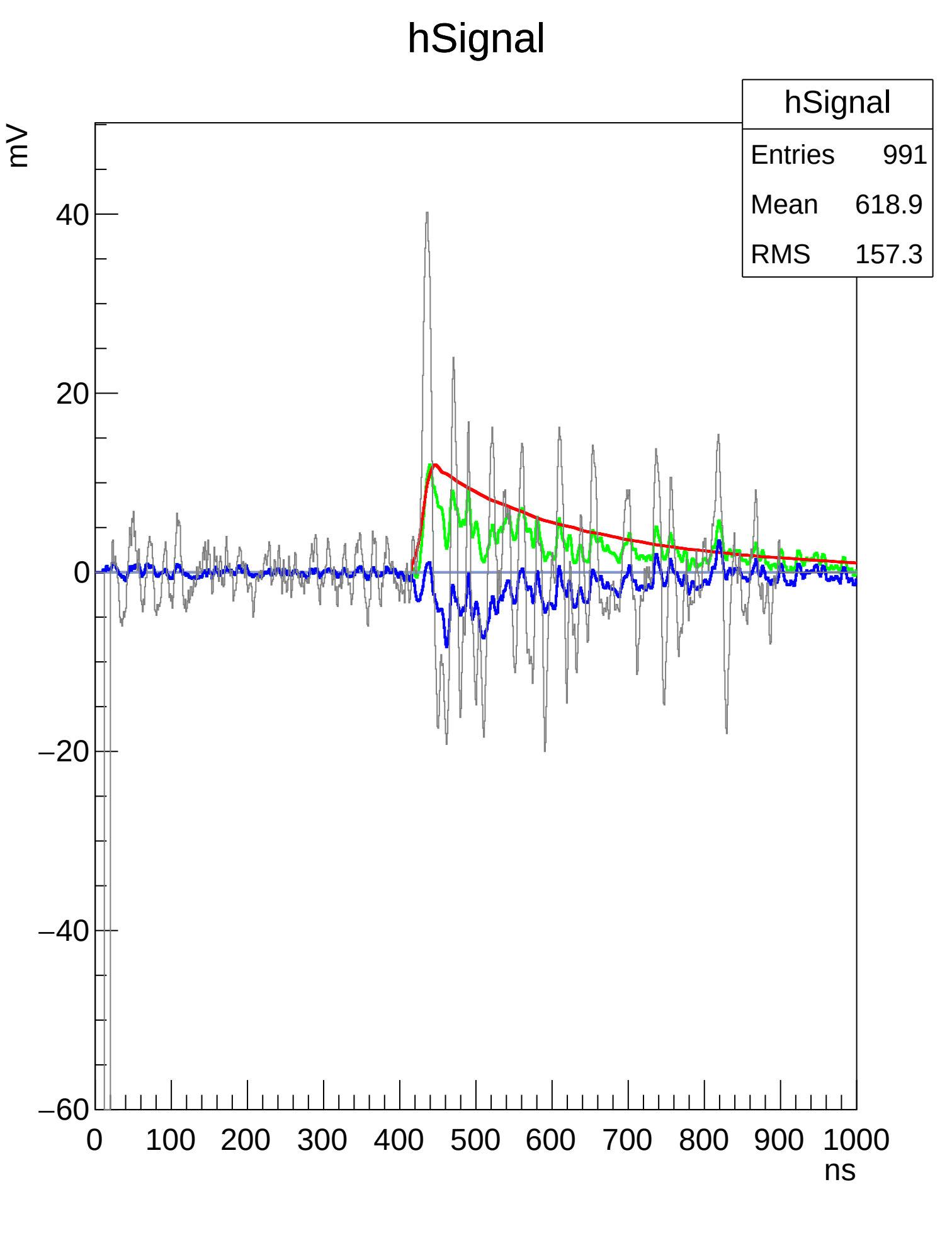
1000
ns


hSignal
hSignal
Entries 991
Mean 618.9
RMS 157.3
mV
40
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0
−20
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0
100
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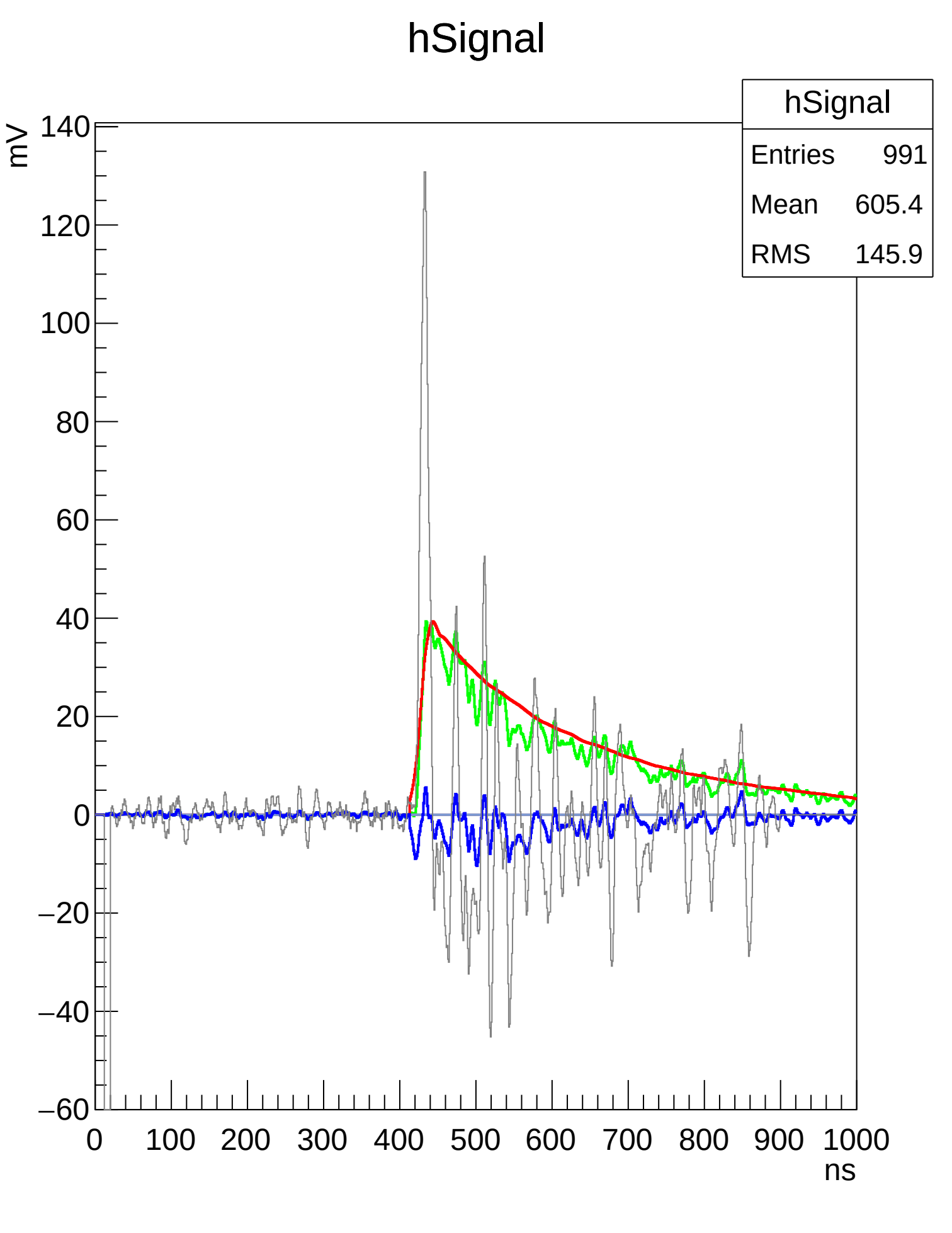
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.4
RMS 145.9
mV
140
120
100
80
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0
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200
300
400
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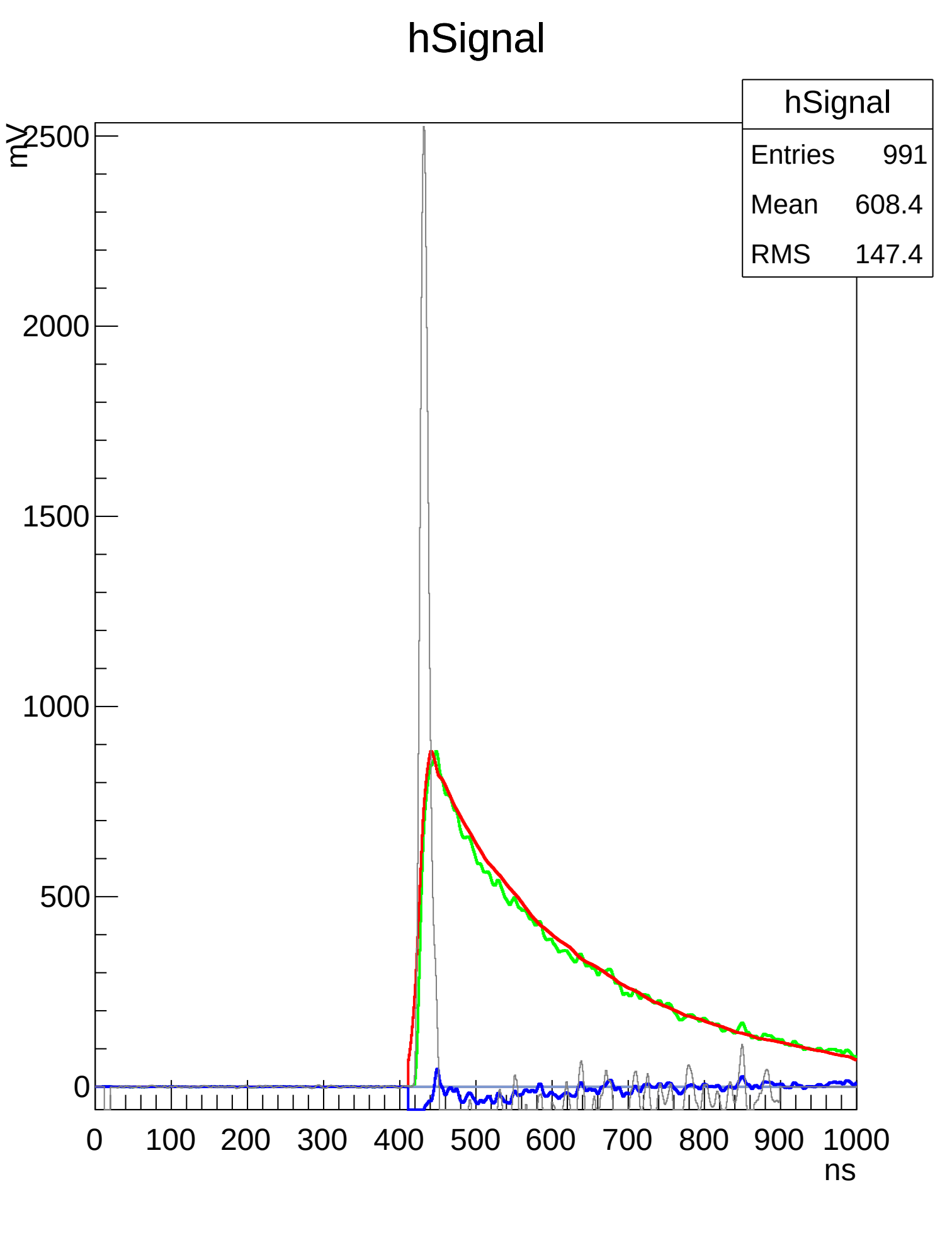
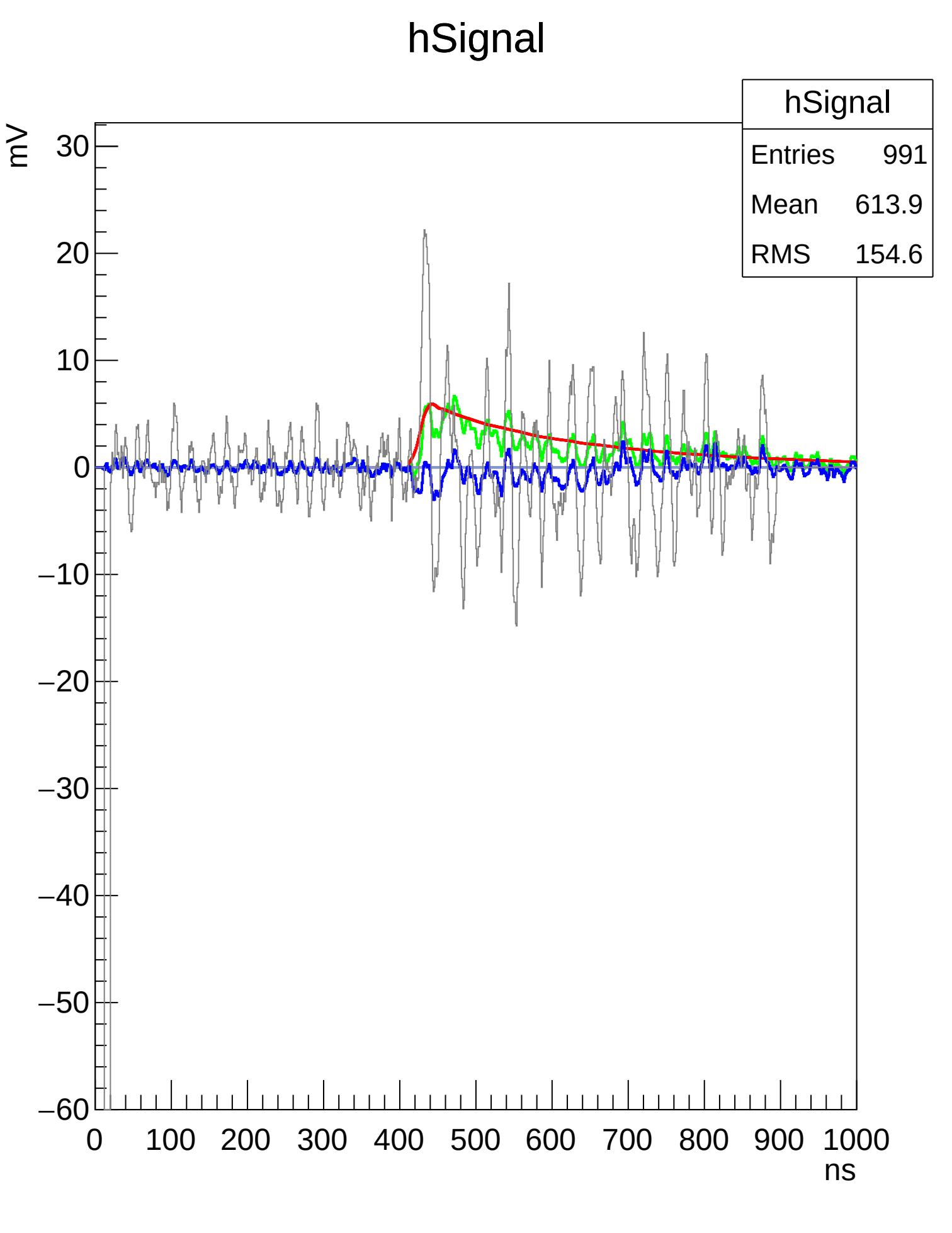
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.4
RMS 147.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.9
RMS 154.6
mV
30
20
10
0
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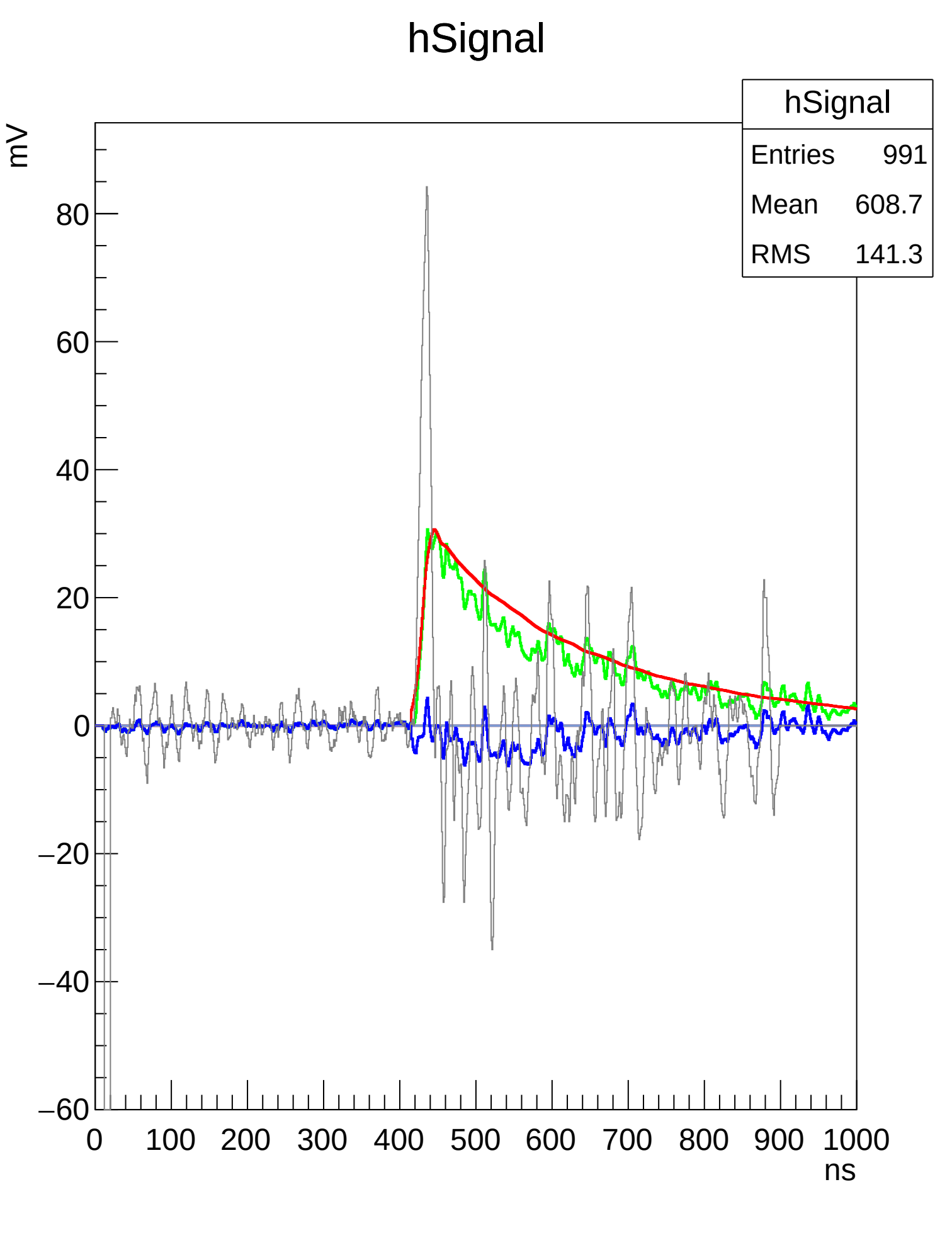
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.7
RMS 141.3
mV
80
60
40
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−20
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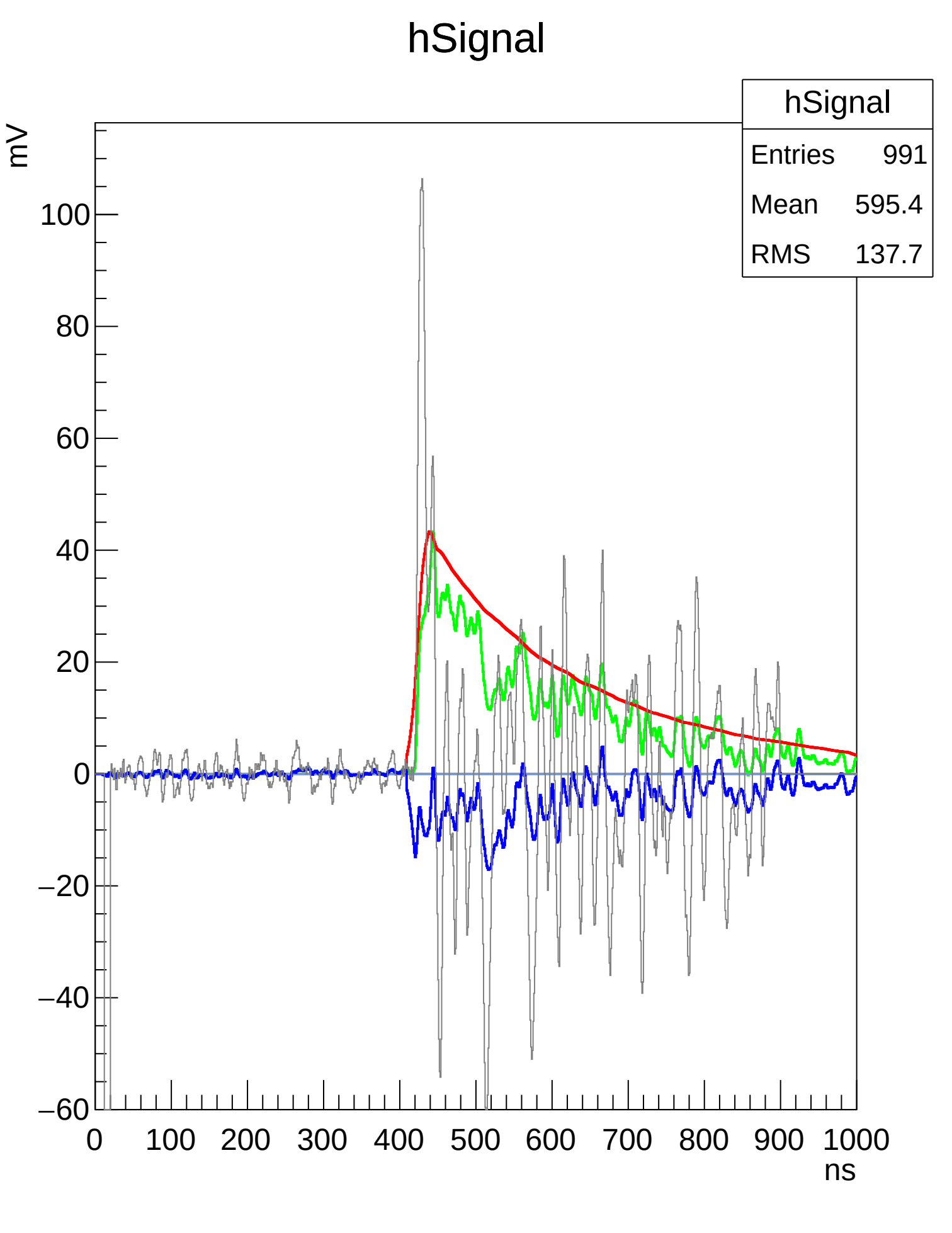
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.4
RMS 137.7
mV
100
80
60
40
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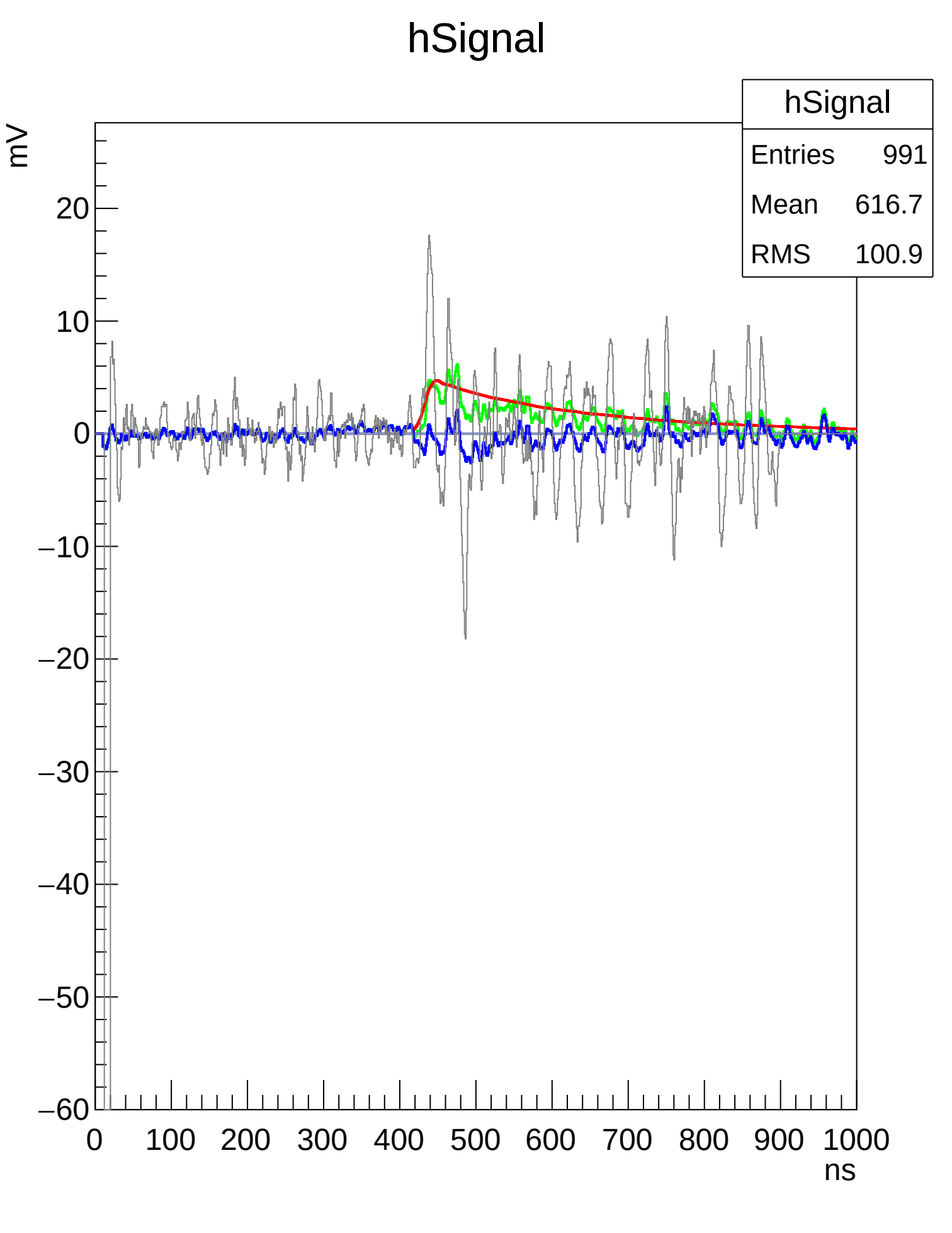
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.7
RMS 100.9
mV
20
10
0
−10
−20
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−40
−50
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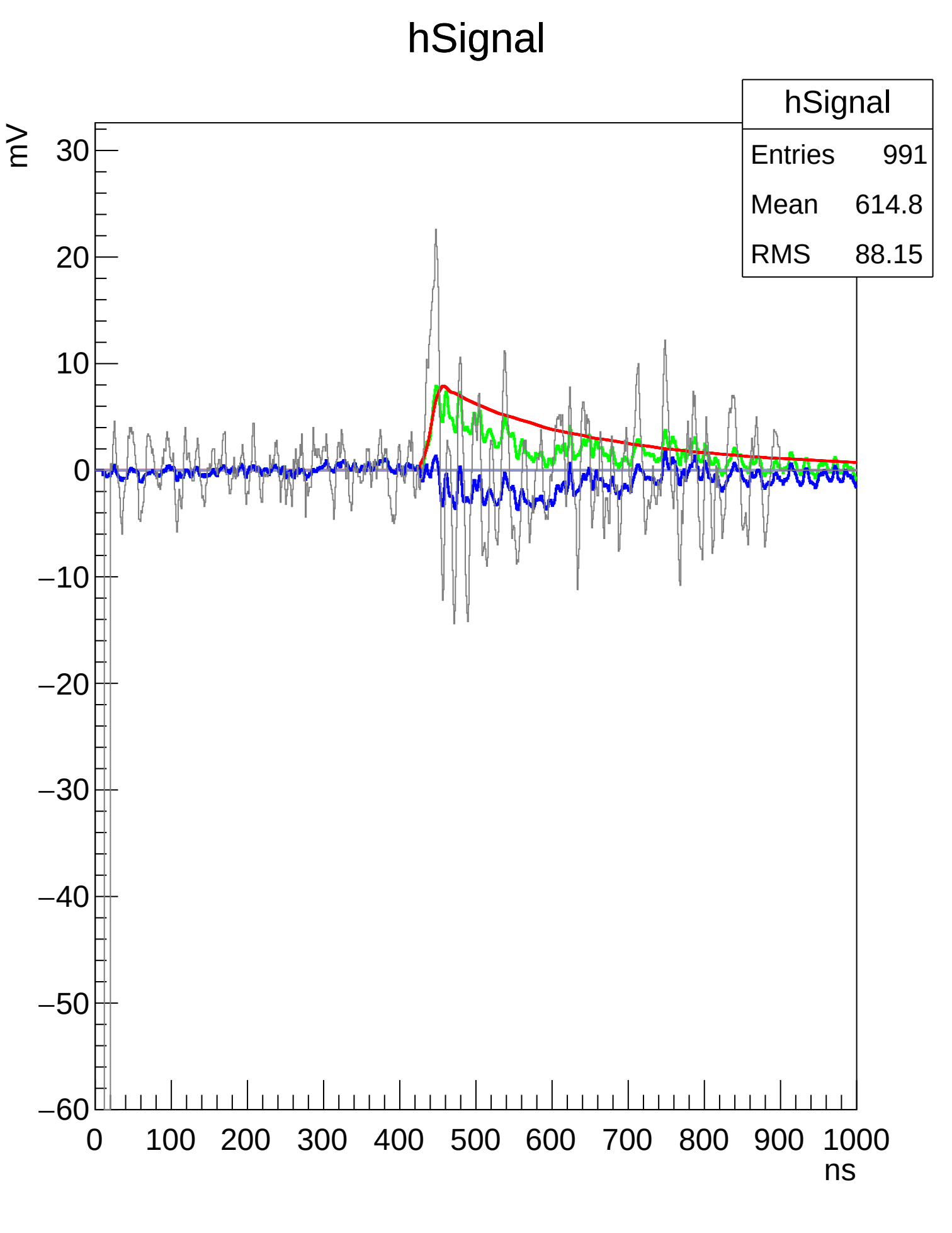
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.8
RMS 88.15
mV
30
20
10
0
−10
−20
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−40
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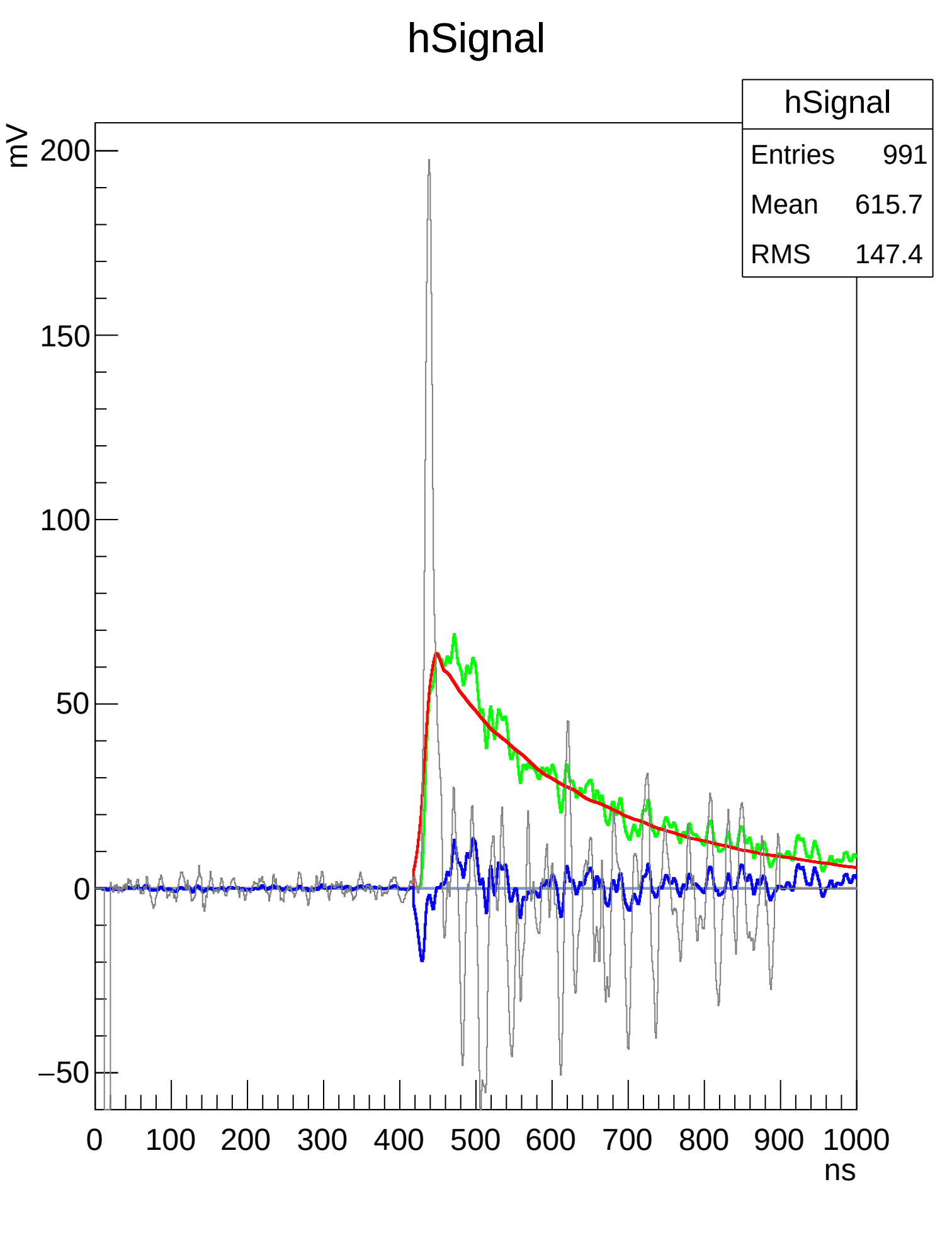
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.7
RMS 147.4
mV
200
150
100
50
0
−50
0
100
200
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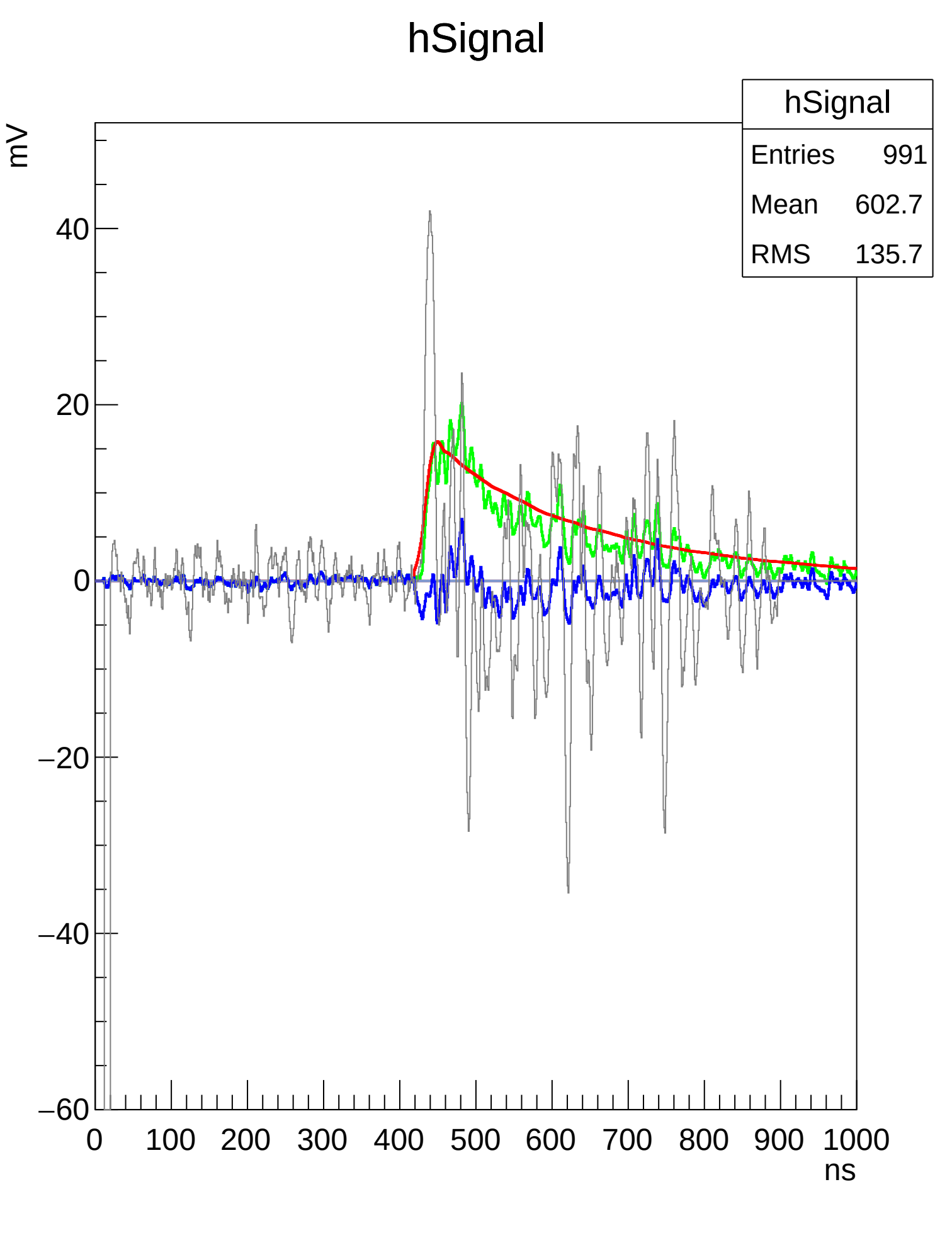
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.7
RMS 135.7
mV
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−20
−40
−60
0
100
200
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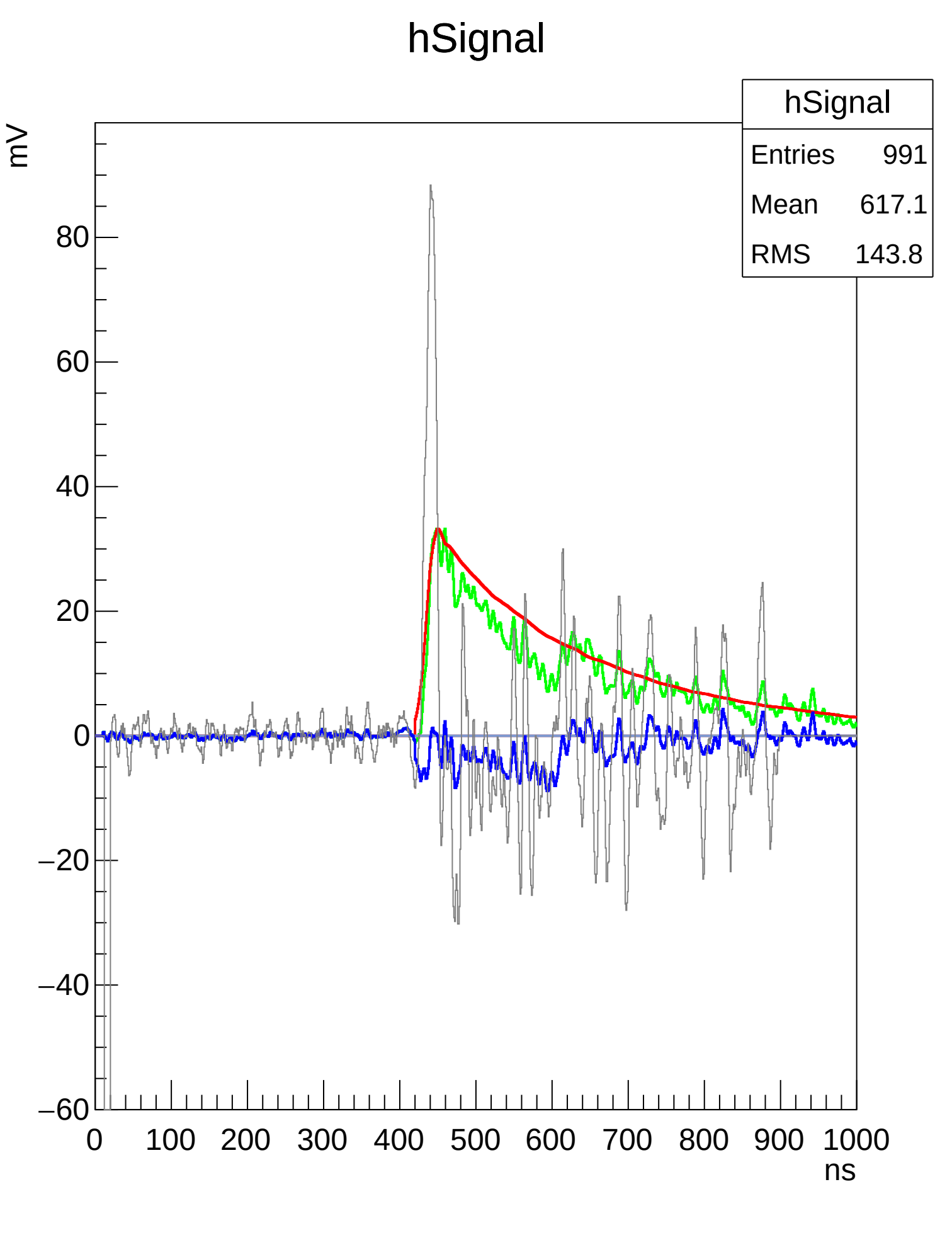
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.1
RMS 143.8
mV
80
60
40
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−20
−40
−60
0
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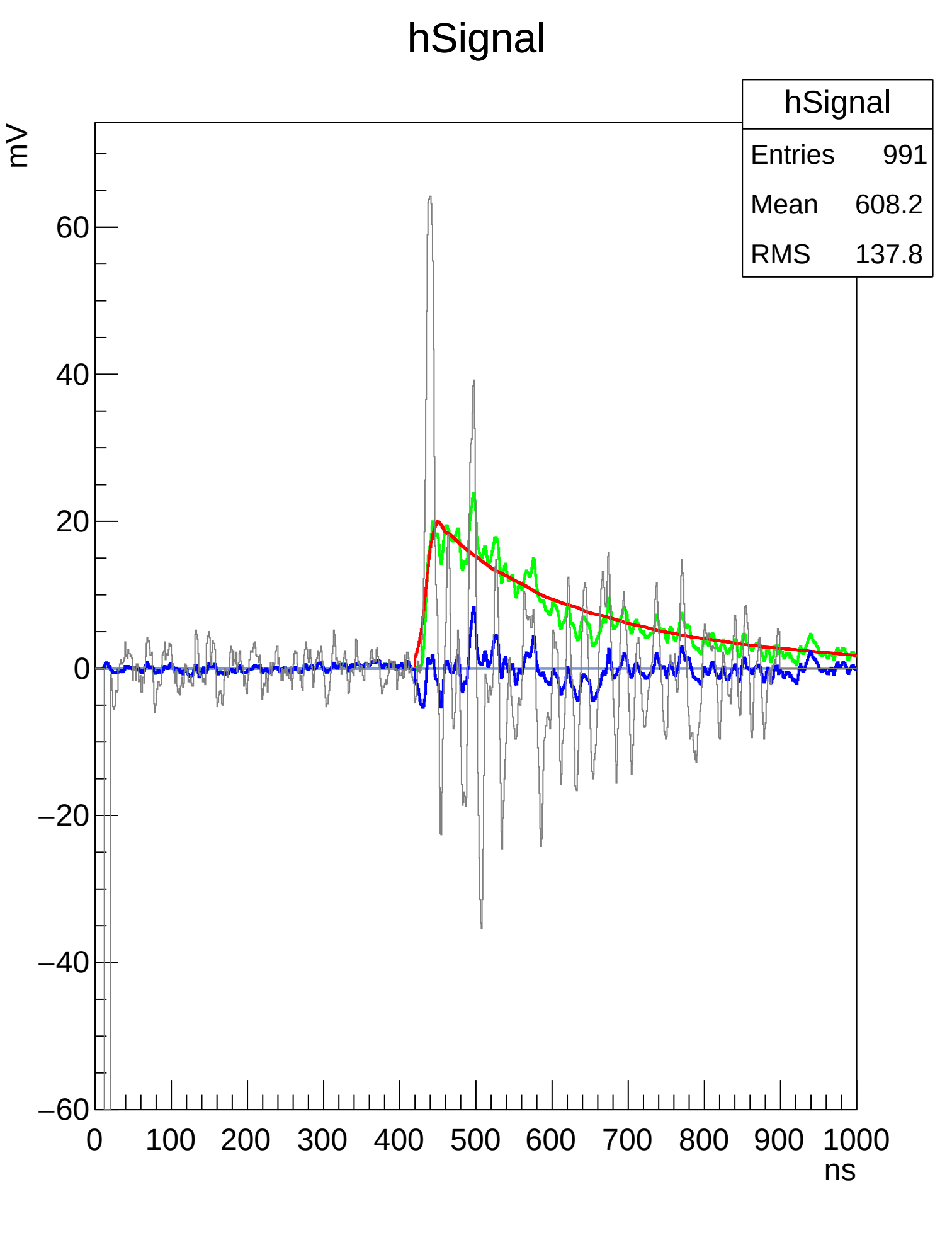
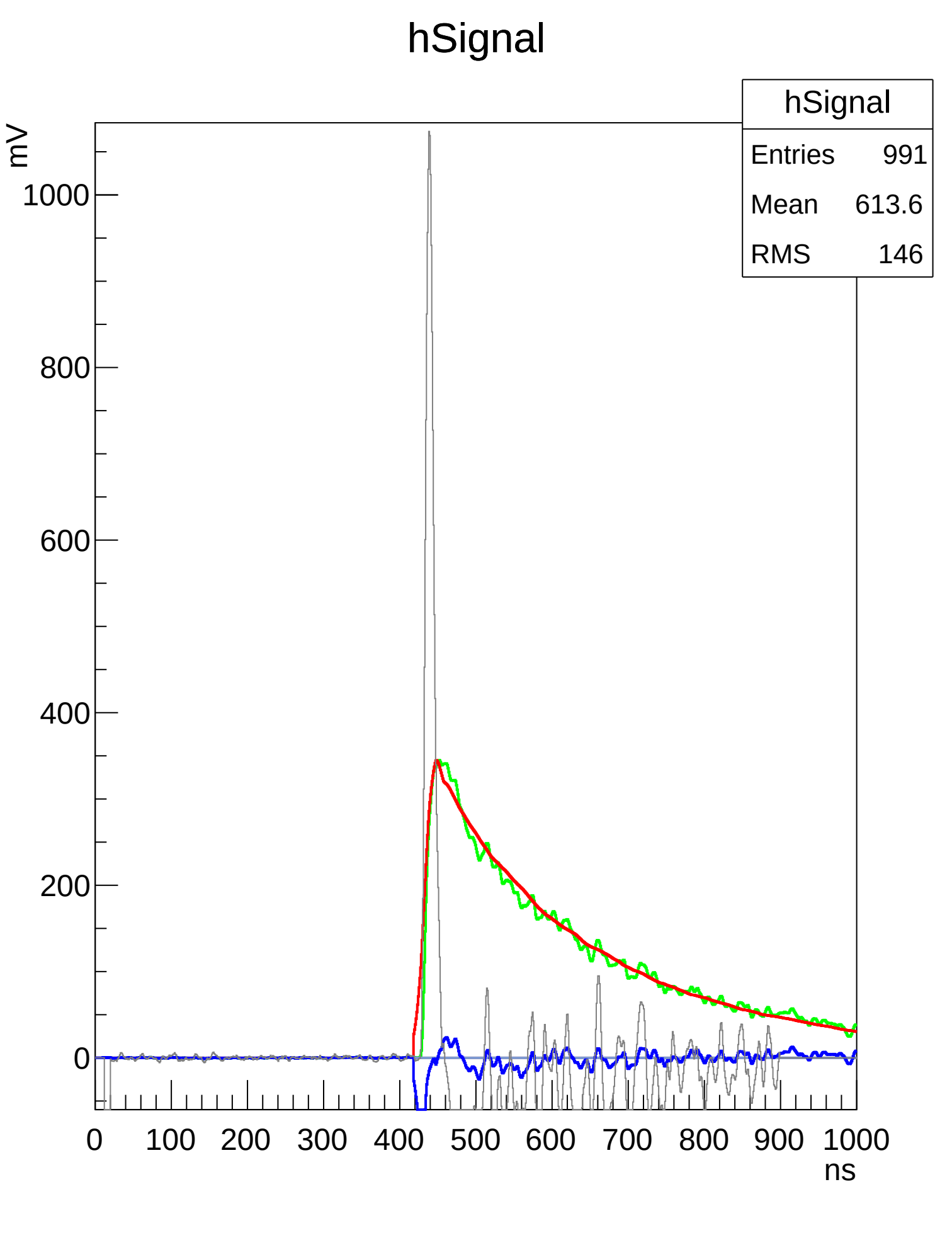
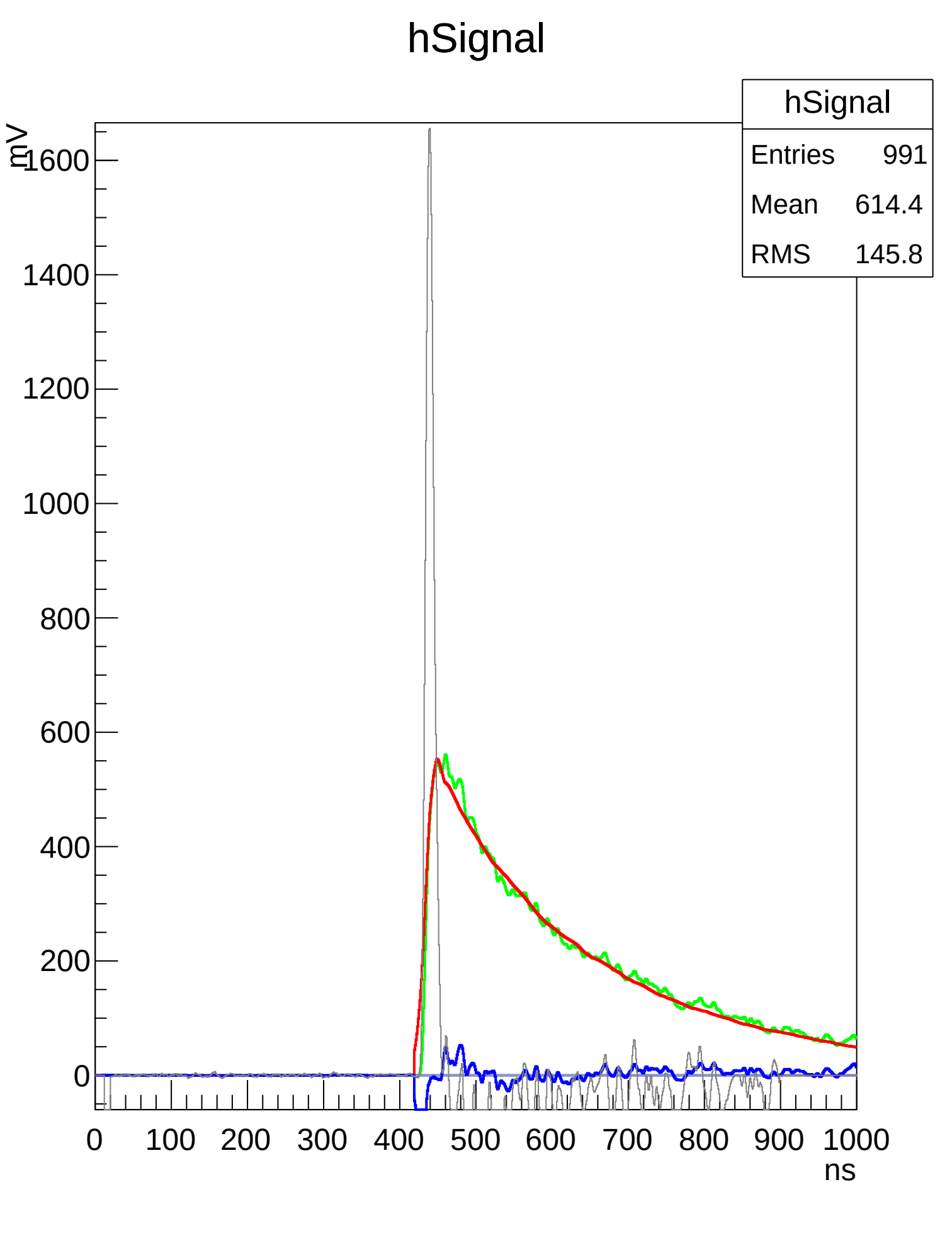
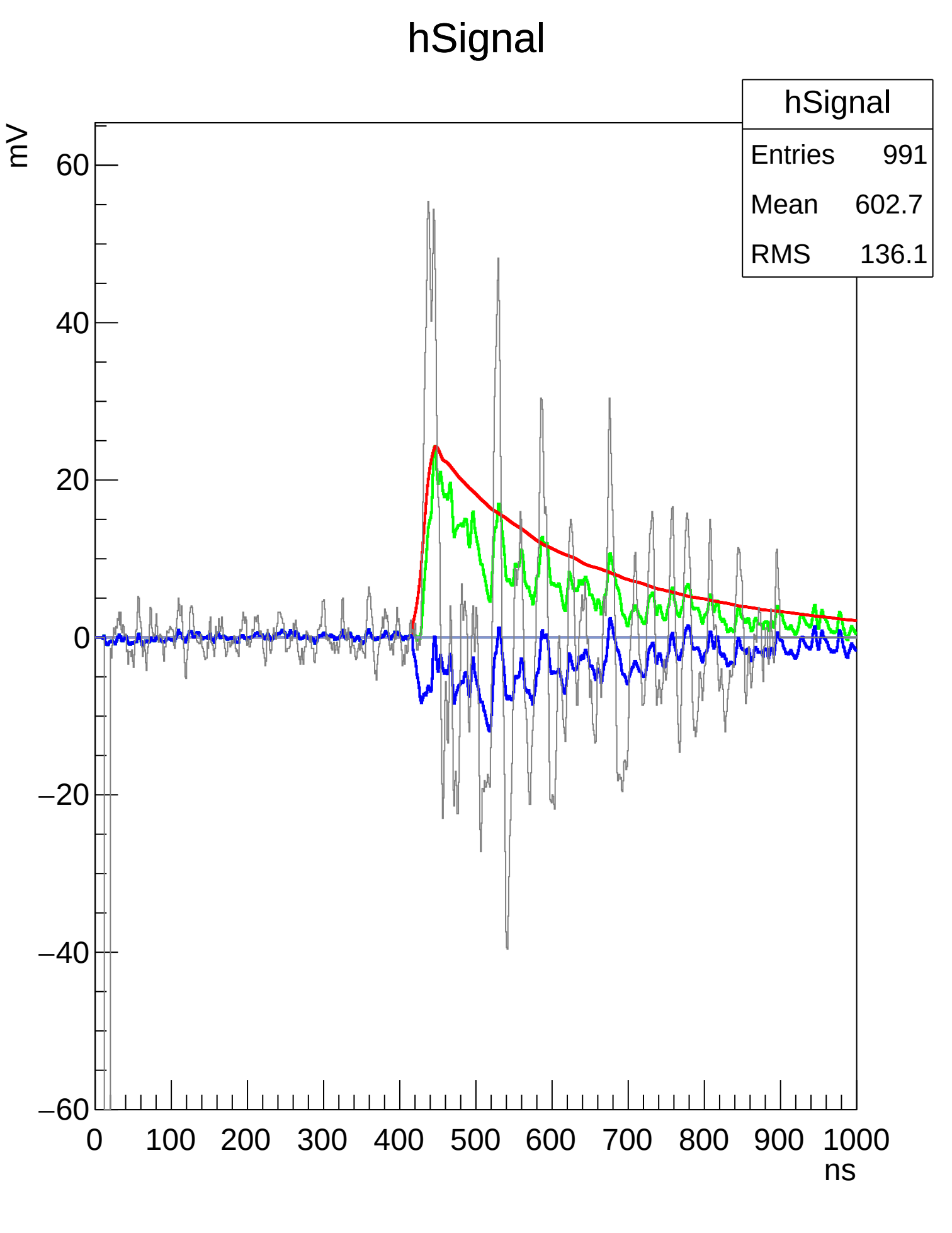
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.2
RMS 137.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.6
RMS 146
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 614.4
RMS 145.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.7
RMS 136.1
mV
60
40
20
0
−20
−40
−60
0
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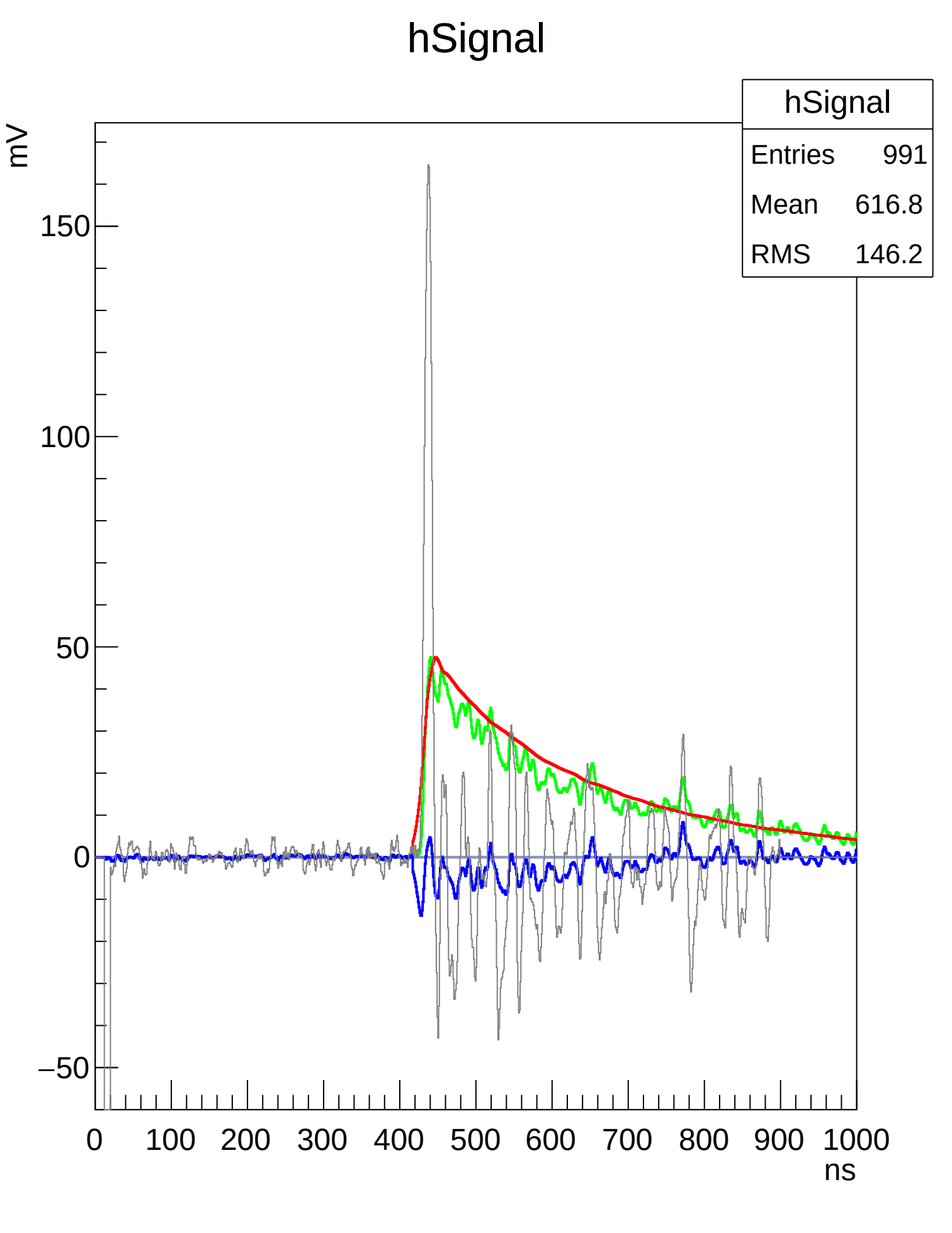
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.8
RMS 146.2
mV
150
100
50
0
−50
0
100
200
300
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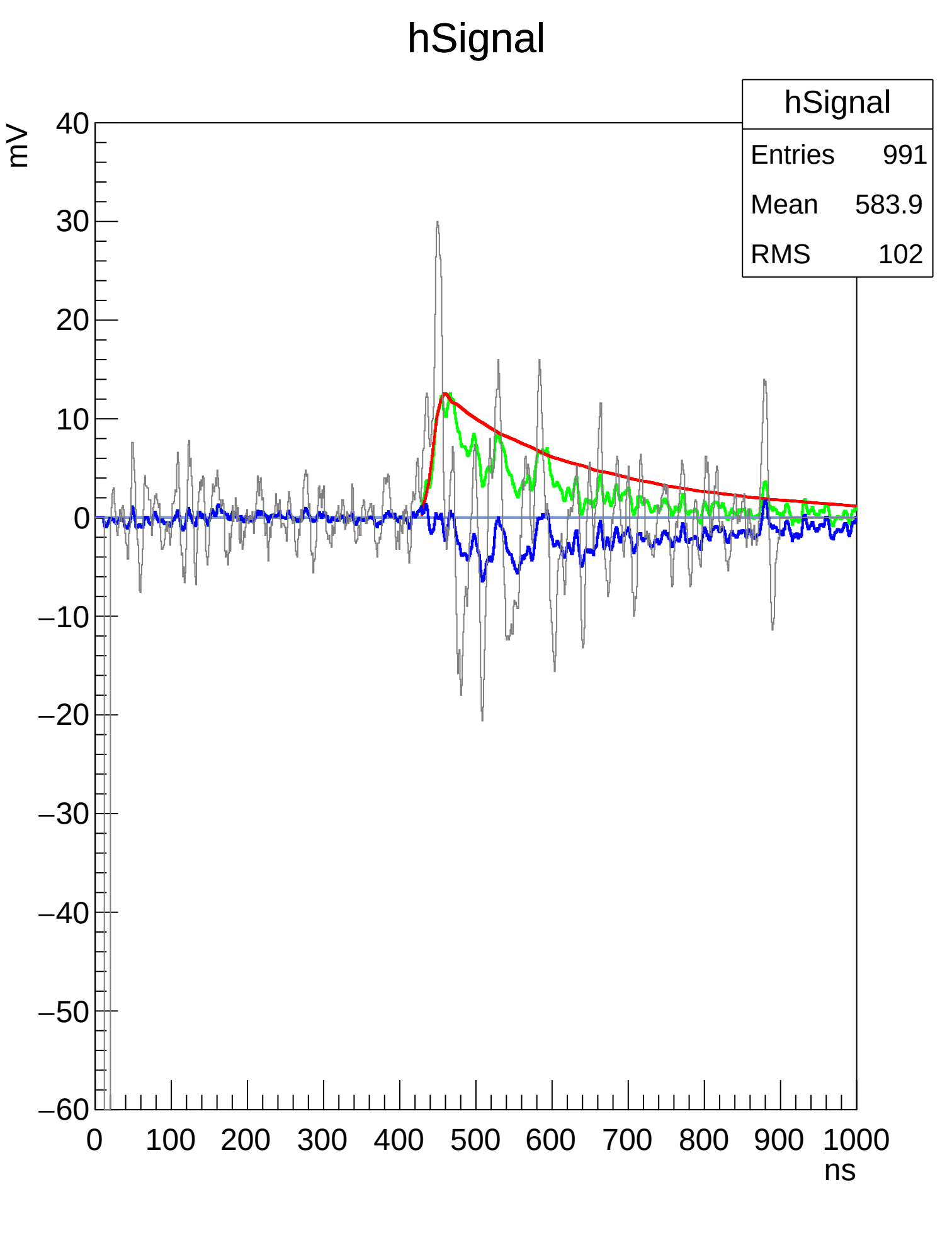
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.9
RMS 102
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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800
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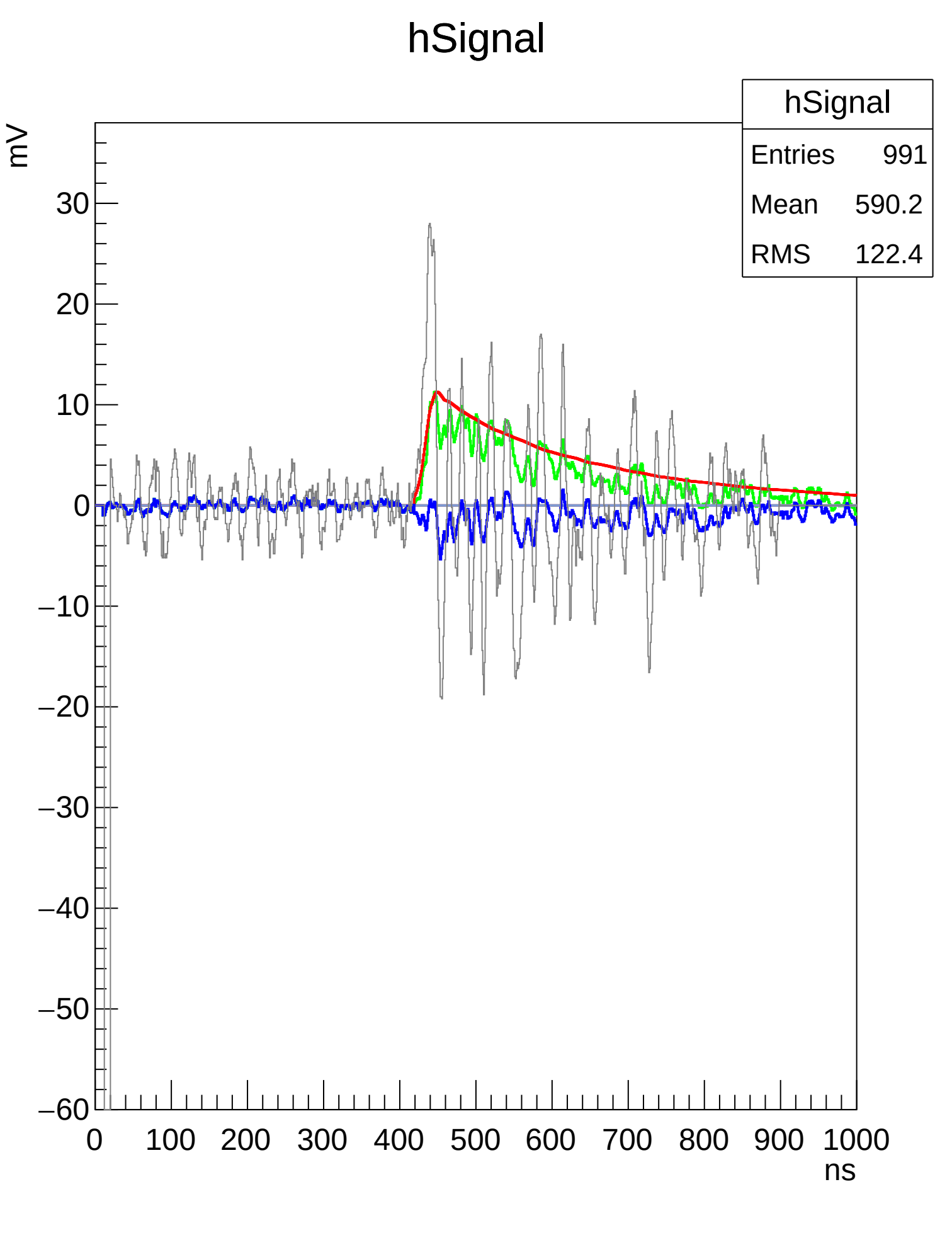
1000
ns


hSignal
hSignal
Entries 991
Mean 590.2
RMS 122.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
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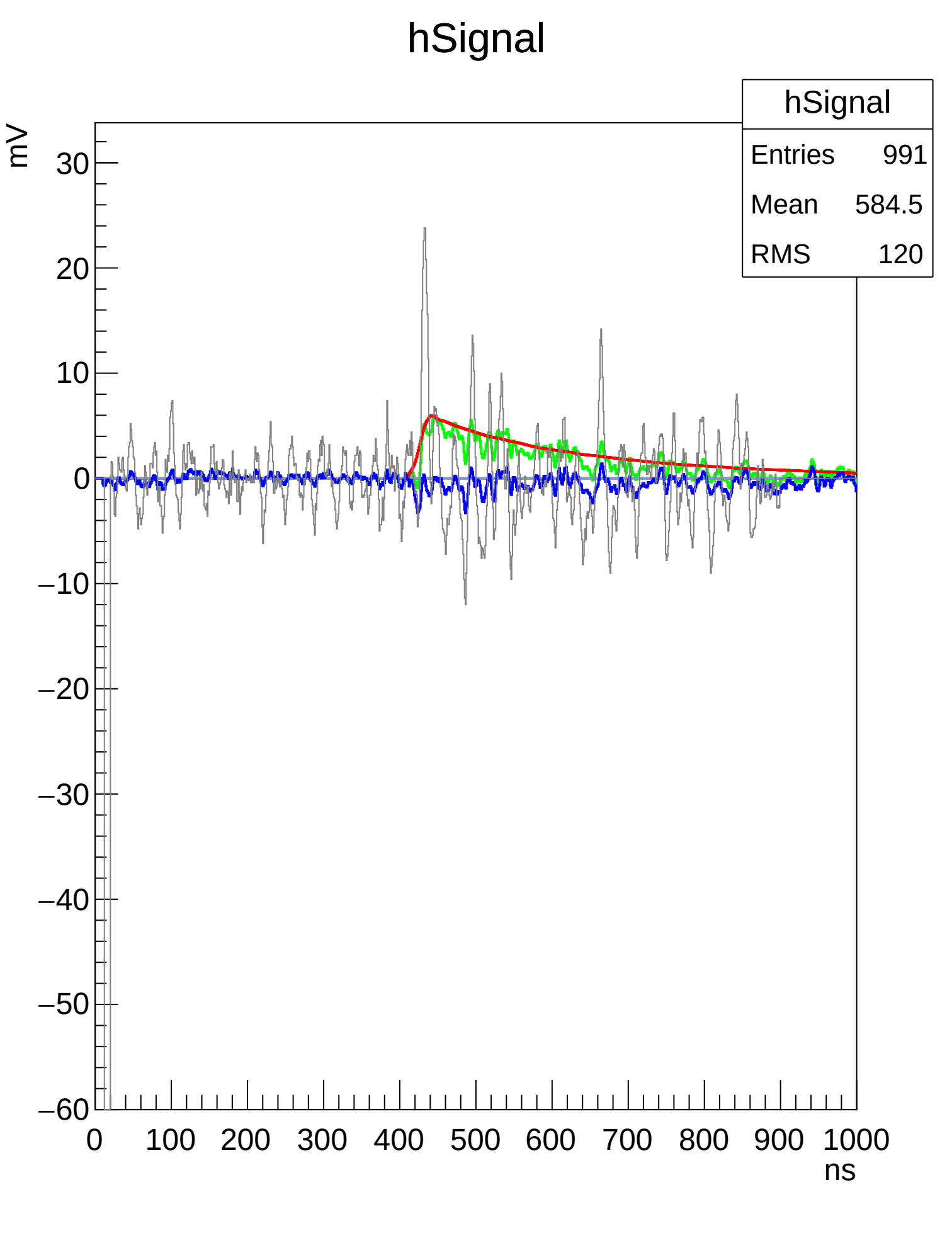
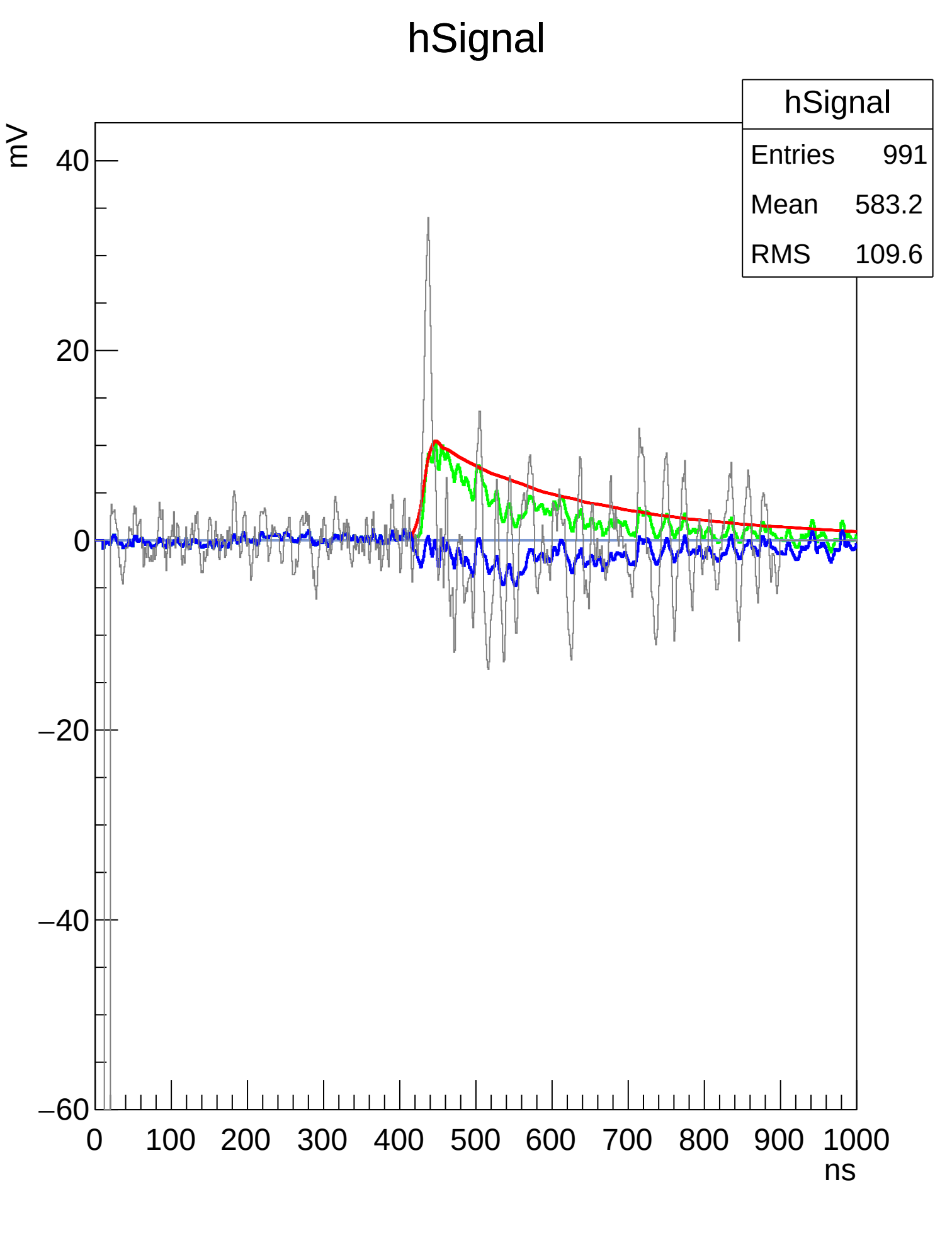

hSignal
hSignal
Entries 991
Mean 584.5
RMS 120
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.2
RMS 109.6
mV
40
20
0
−20
−40
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0
100
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600
700
800
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1000
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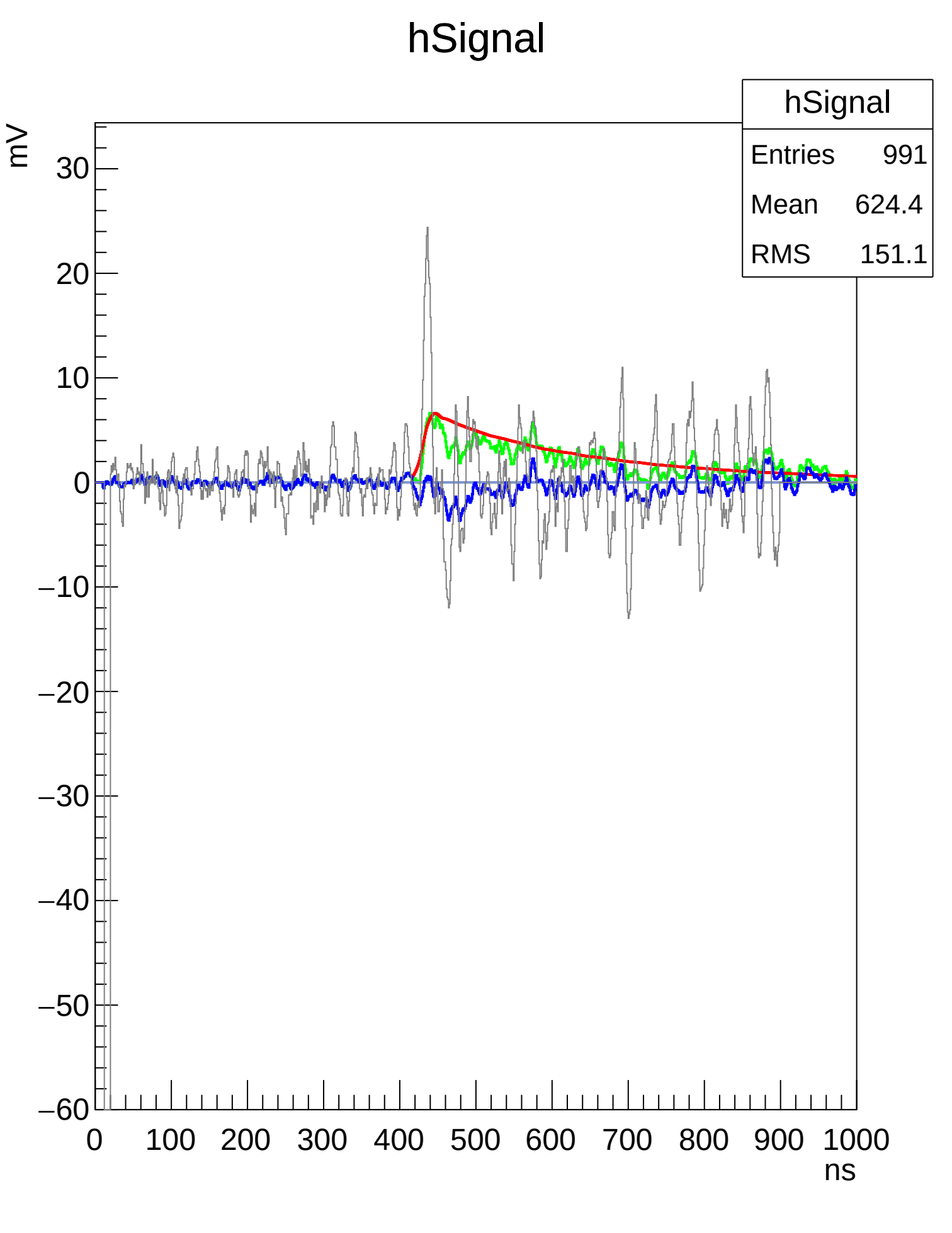
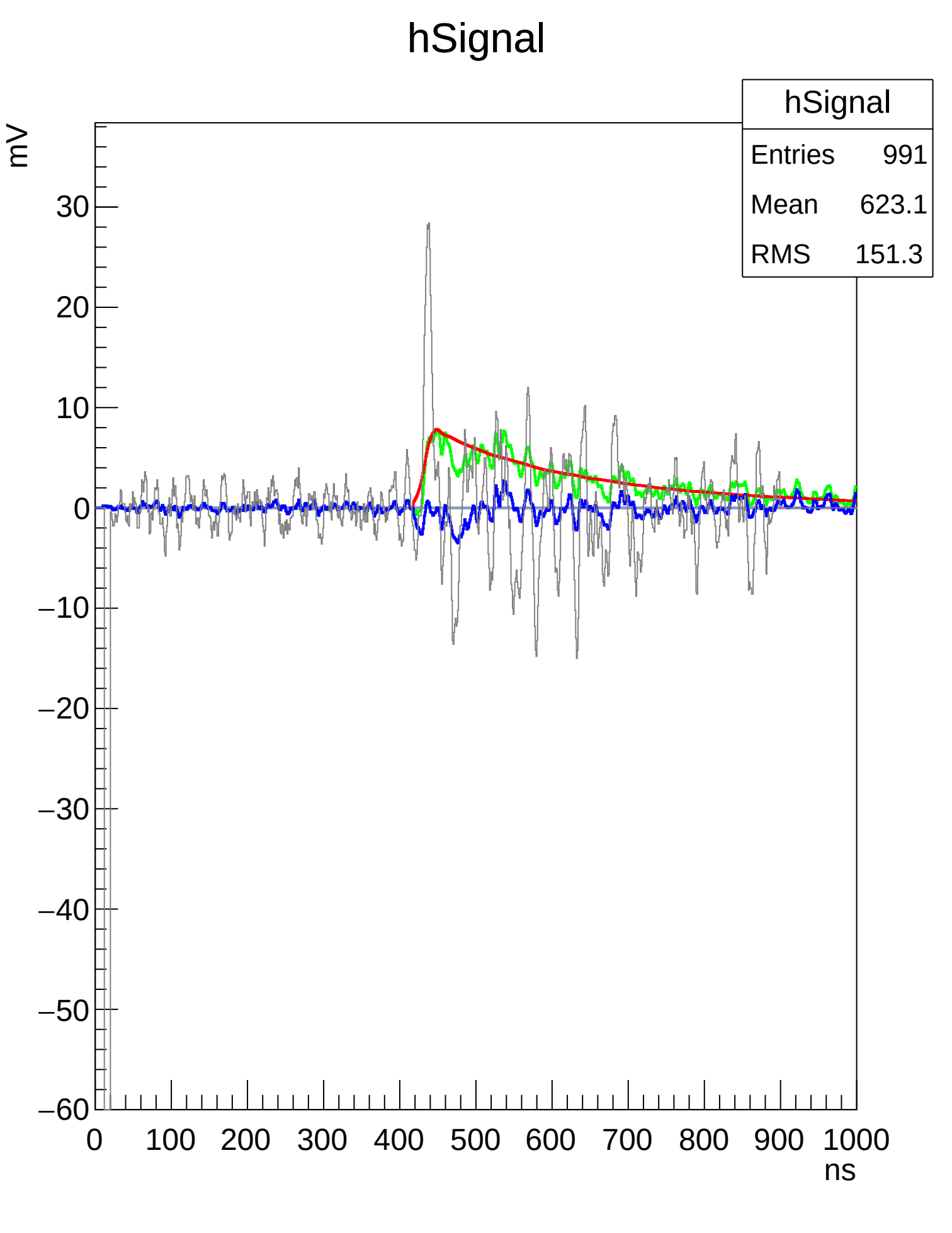

hSignal
hSignal
Entries 991
Mean 624.4
RMS 151.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.1
RMS 151.3
mV
30
20
10
0
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−20
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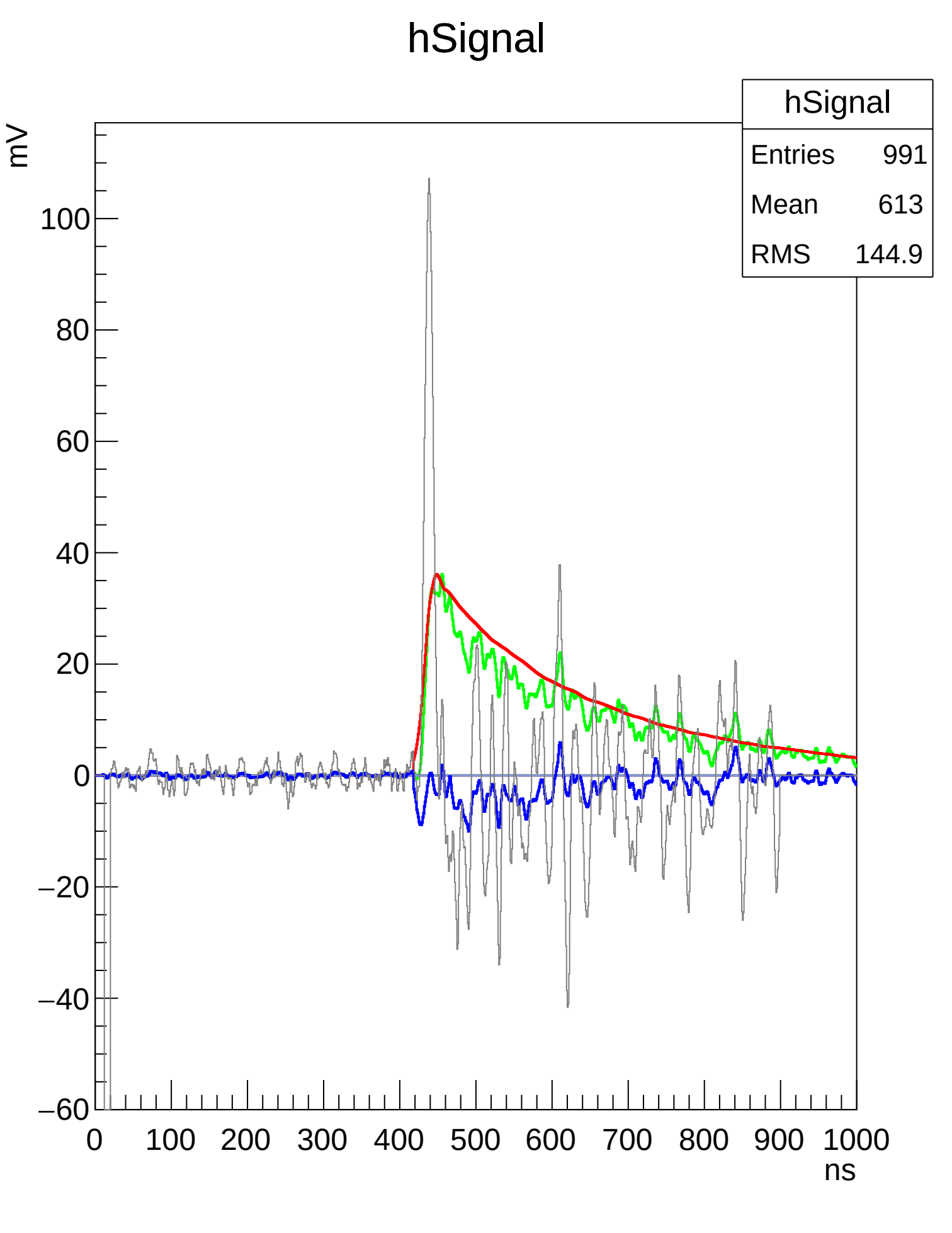
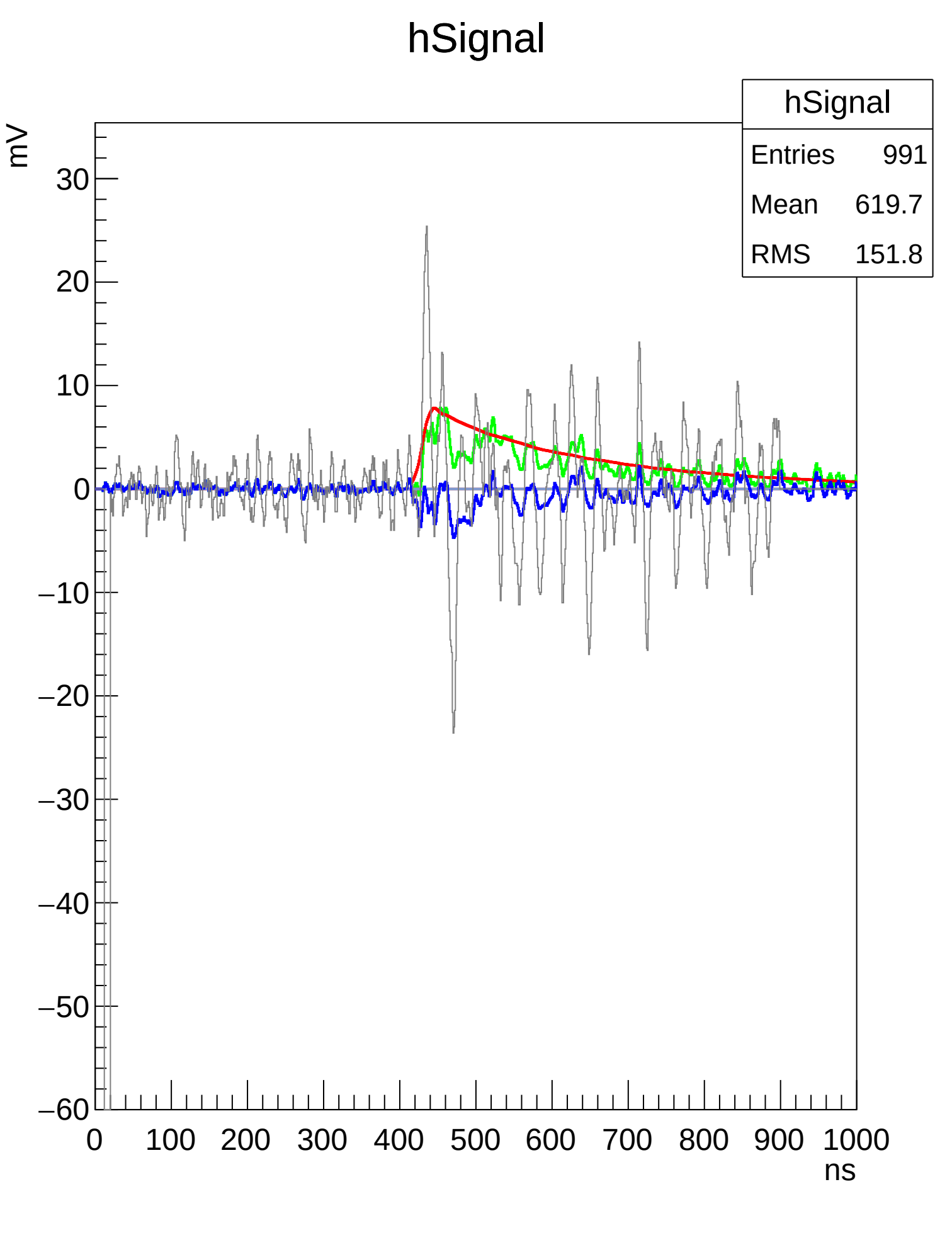
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613
RMS 144.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.7
RMS 151.8
mV
30
20
10
0
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−40
−50
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0
100
200
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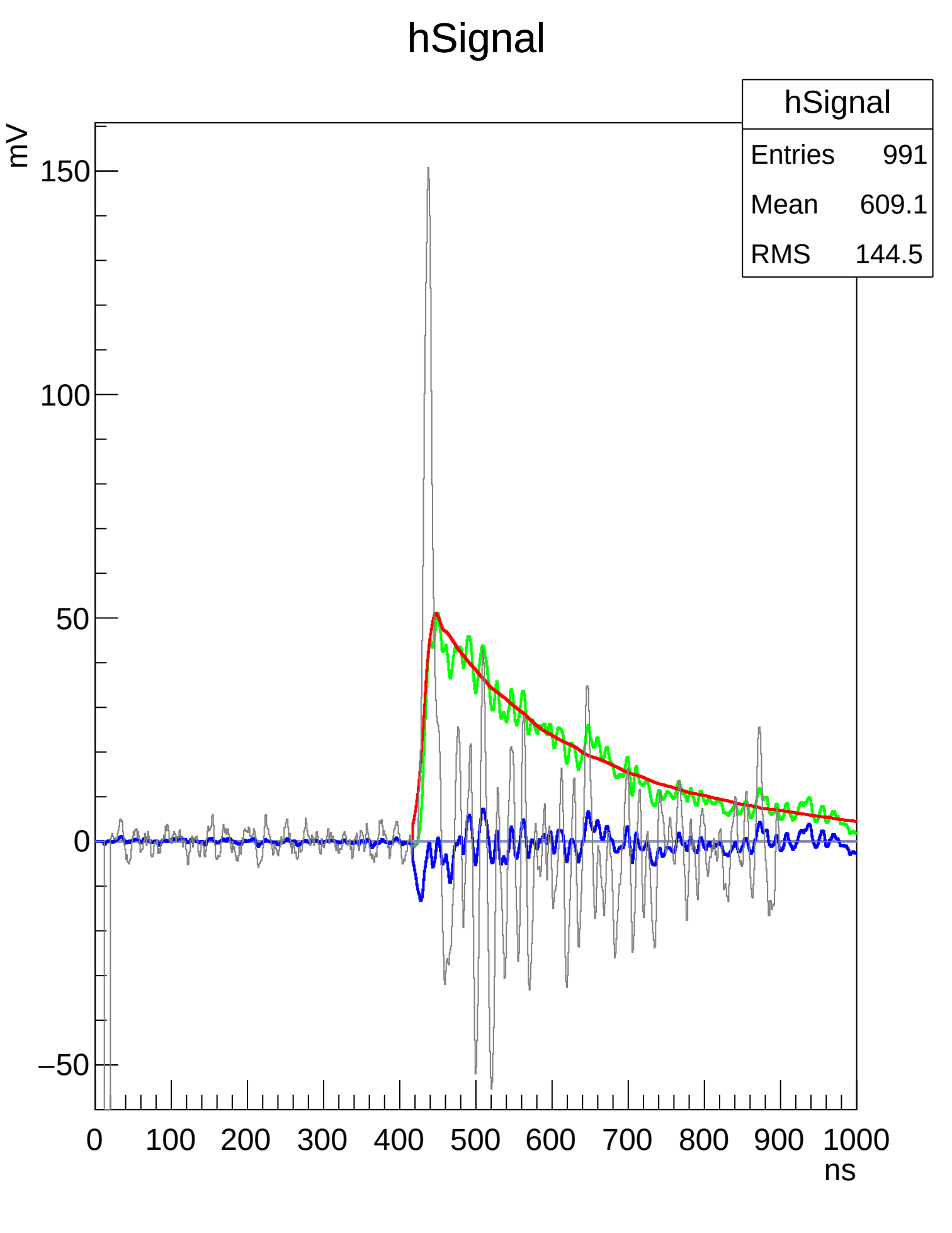
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.1
RMS 144.5
mV
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100
50
0
−50
0
100
200
300
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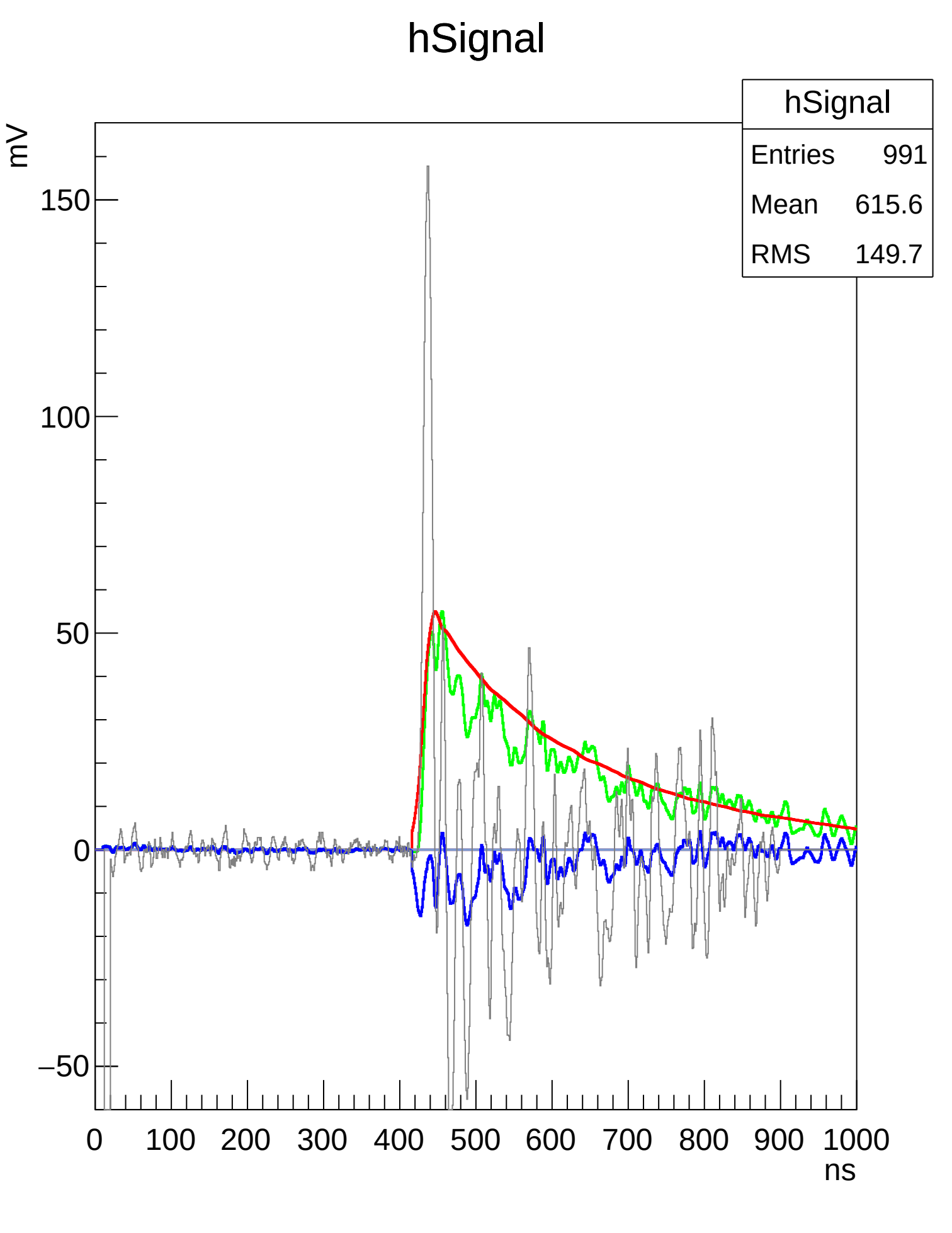
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.6
RMS 149.7
mV
150
100
50
0
−50
0
100
200
300
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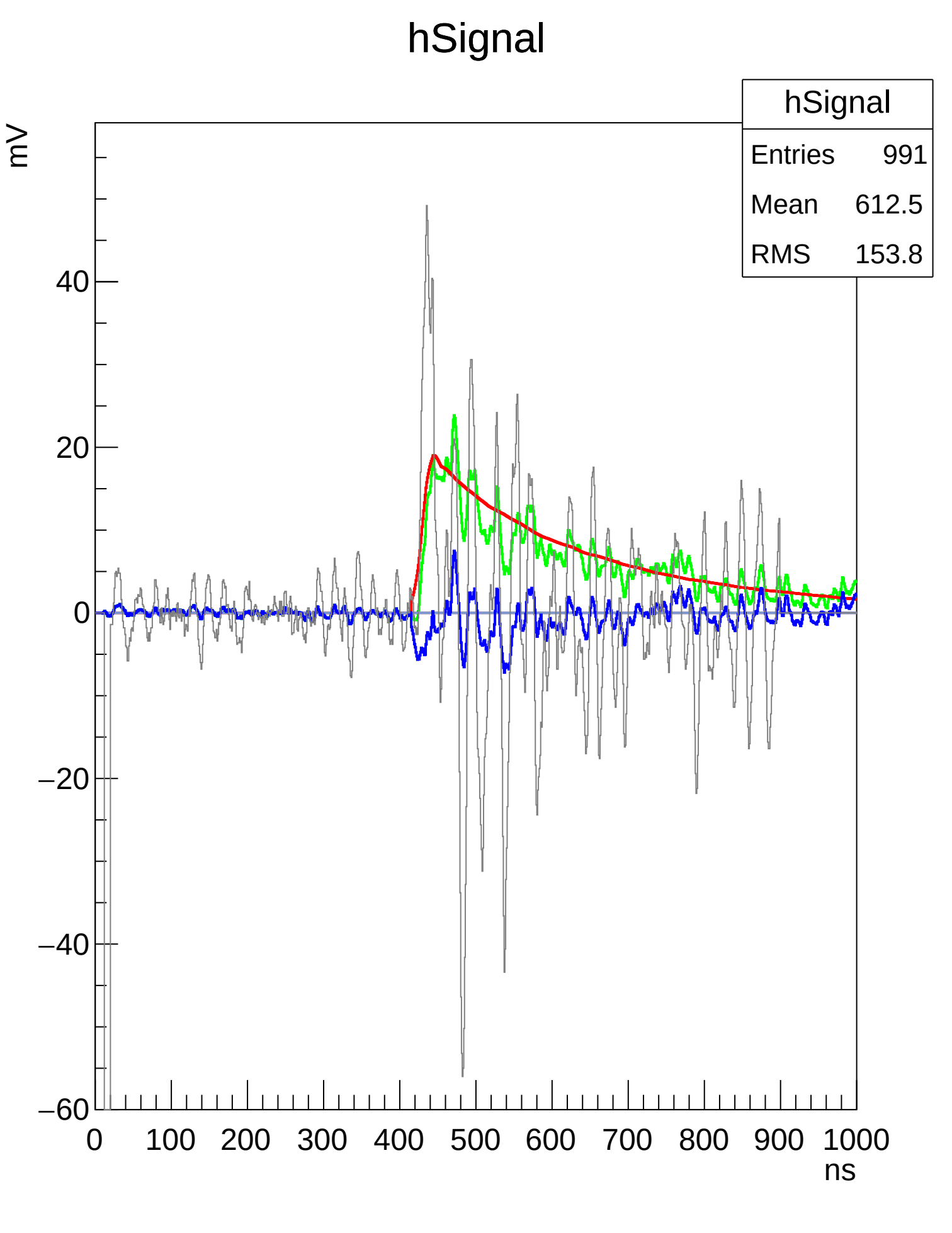
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.5
RMS 153.8
mV
40
20
0
−20
−40
−60
0
100
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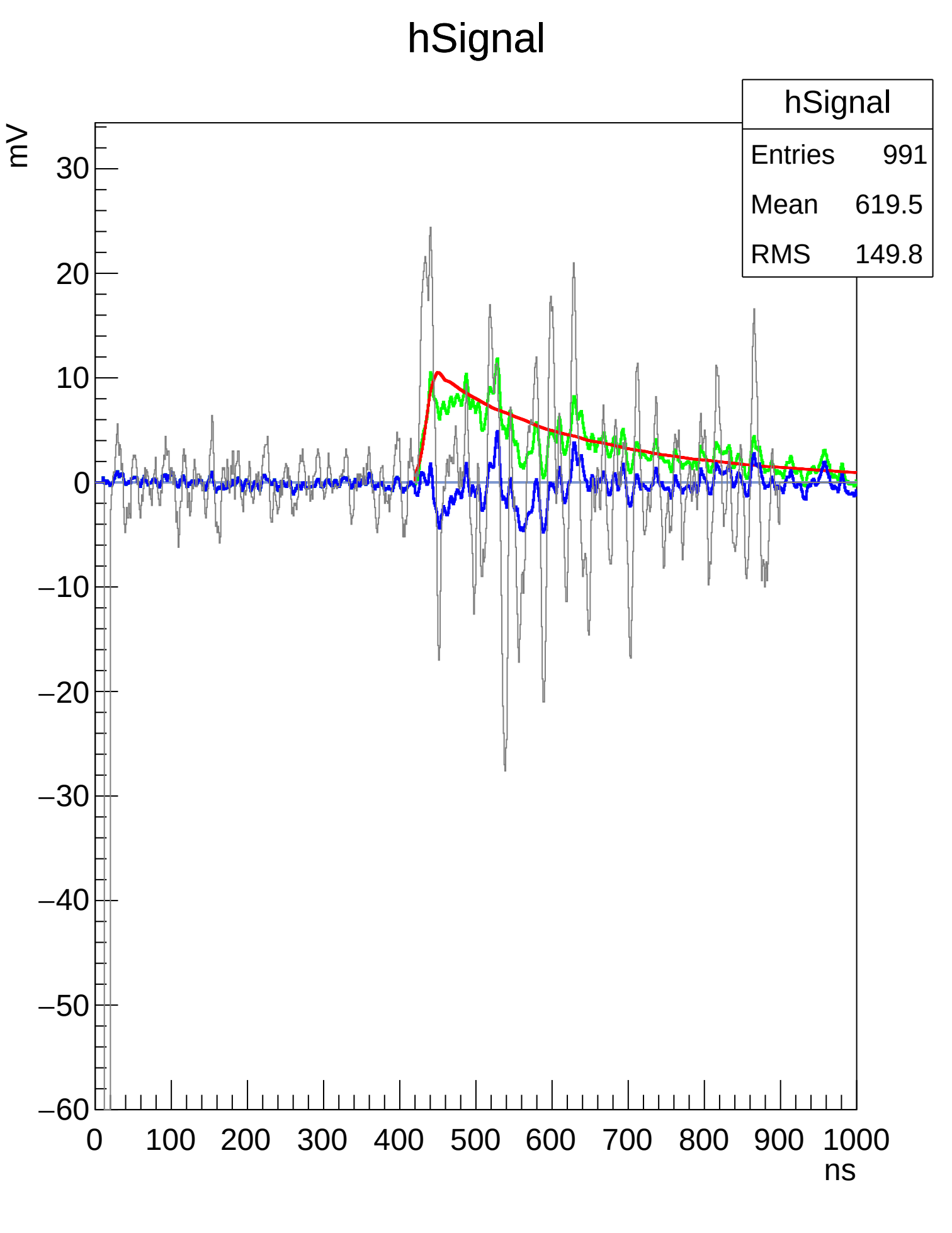
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.5
RMS 149.8
mV
30
20
10
0
−10
−20
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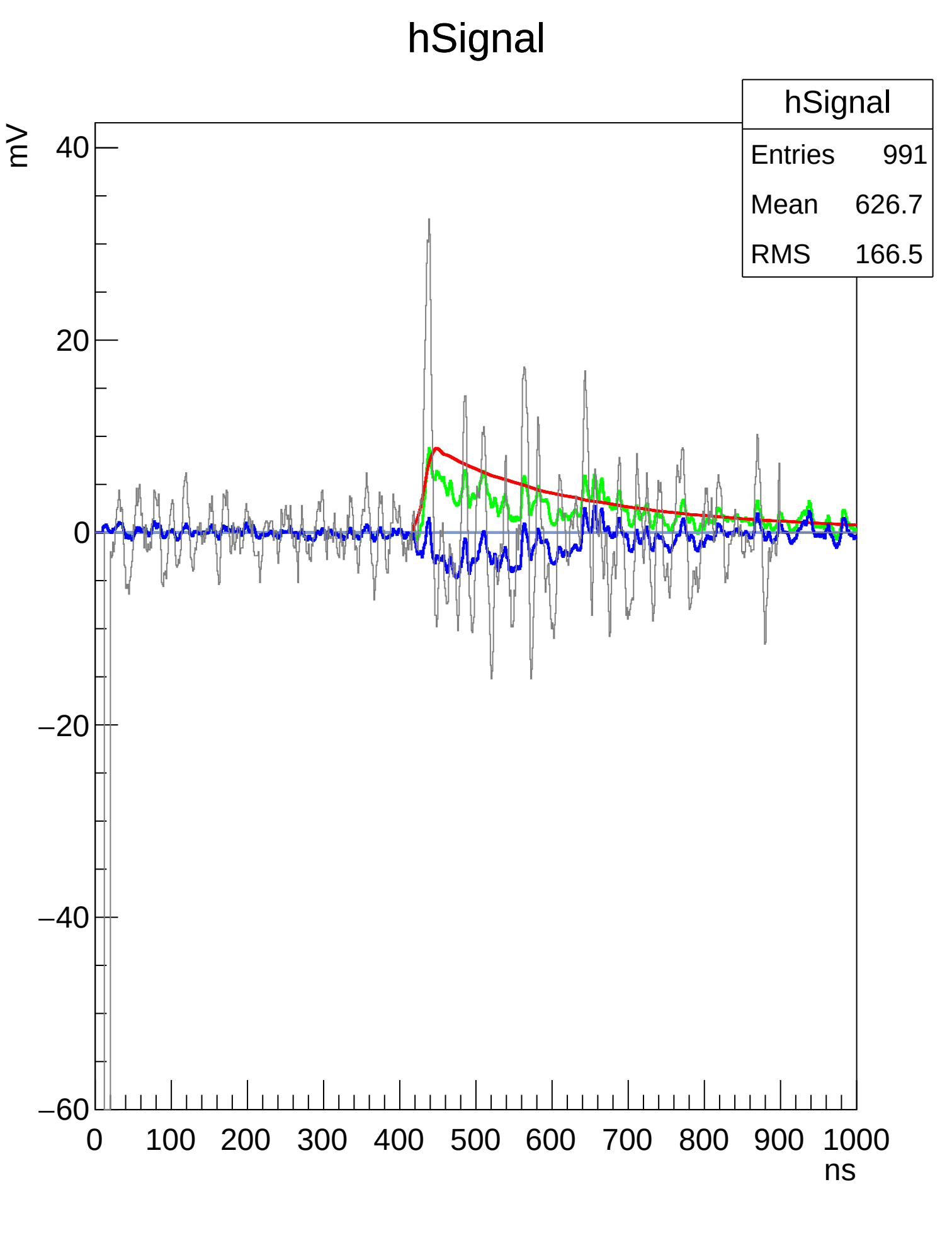
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 626.7
RMS 166.5
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−20
−40
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600
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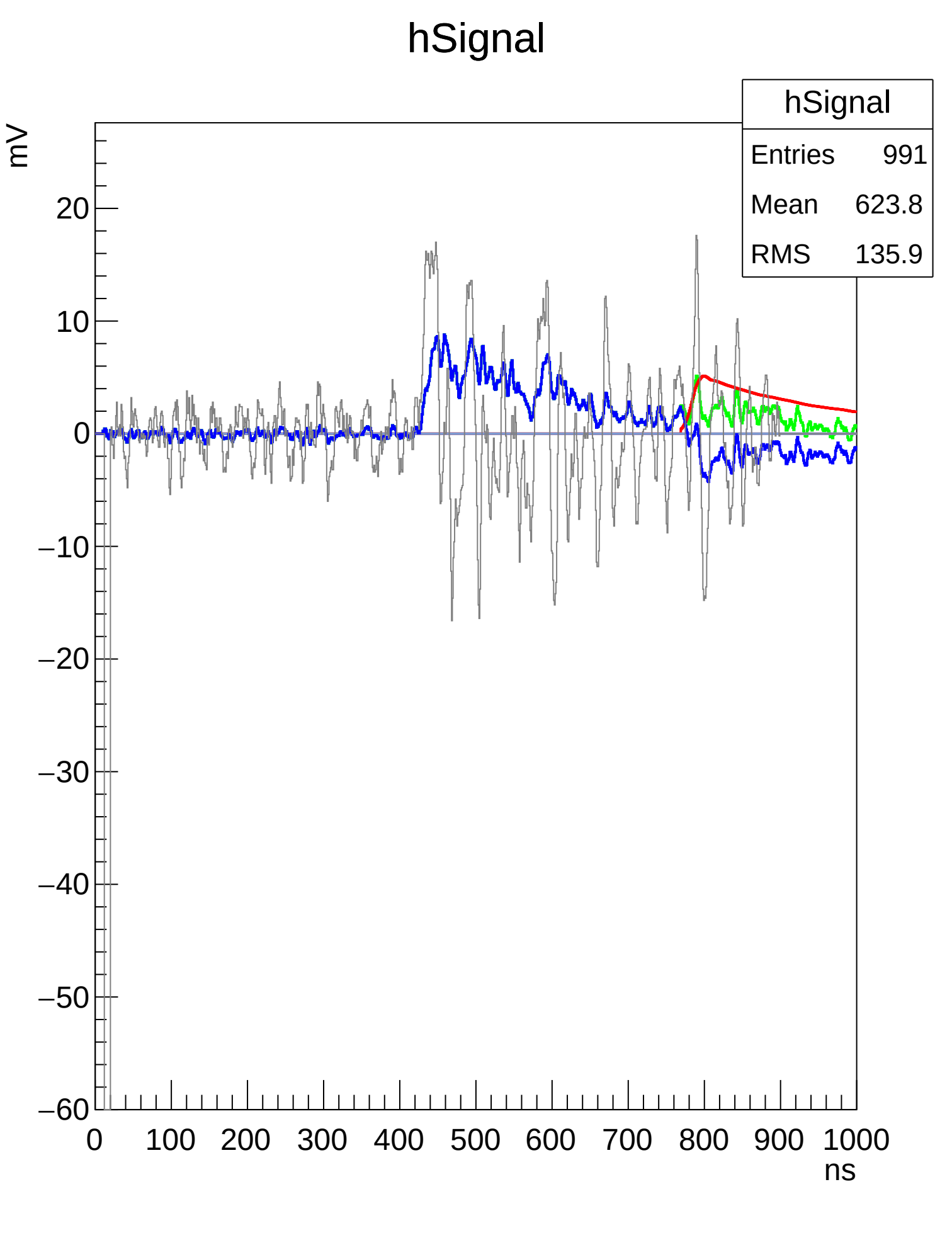
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.8
RMS 135.9
mV
20
10
0
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0
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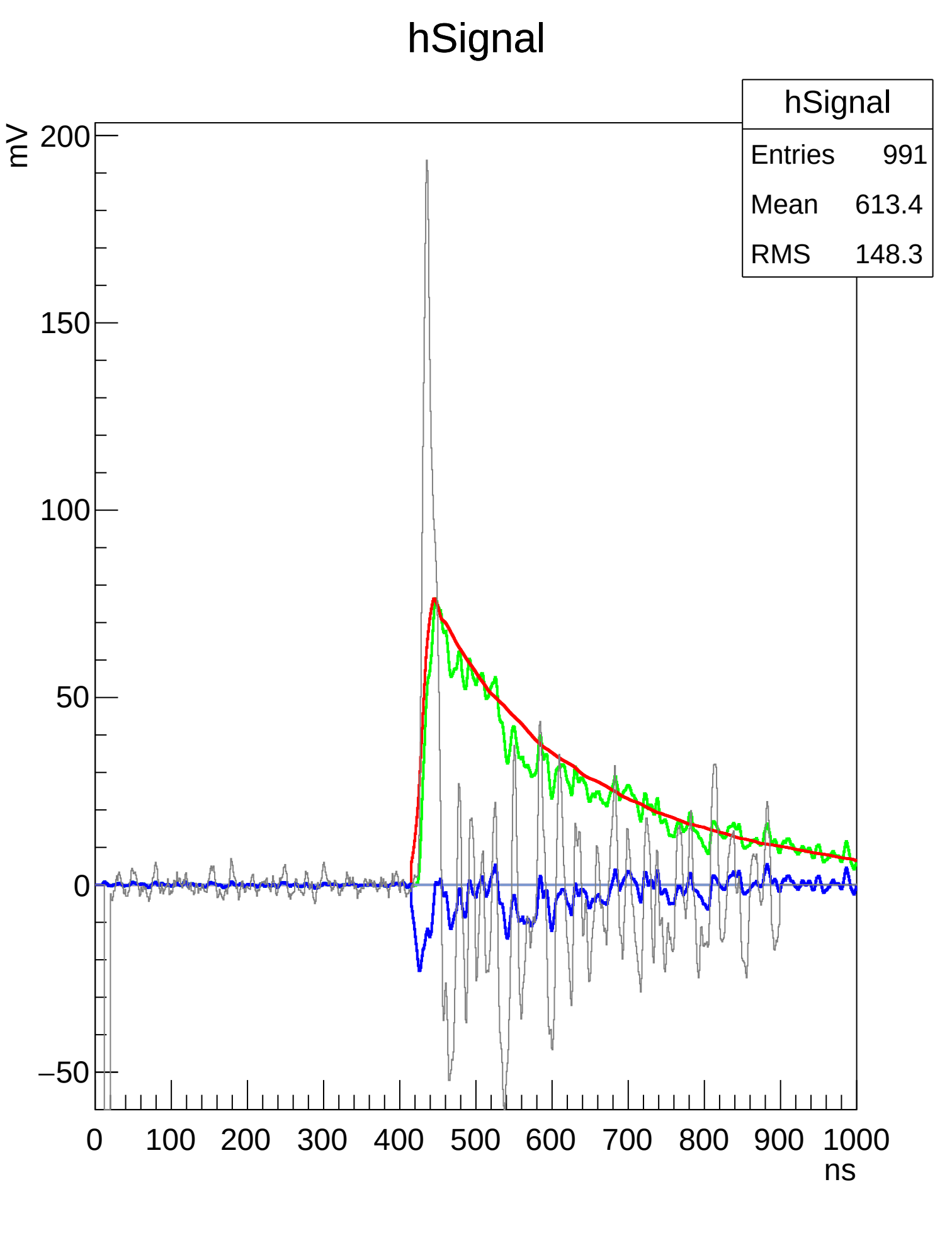
hSignal
hSignal
Entries 991
Mean 613.4
RMS 148.3
mV
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100
50
0
−50
0
100
200
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600
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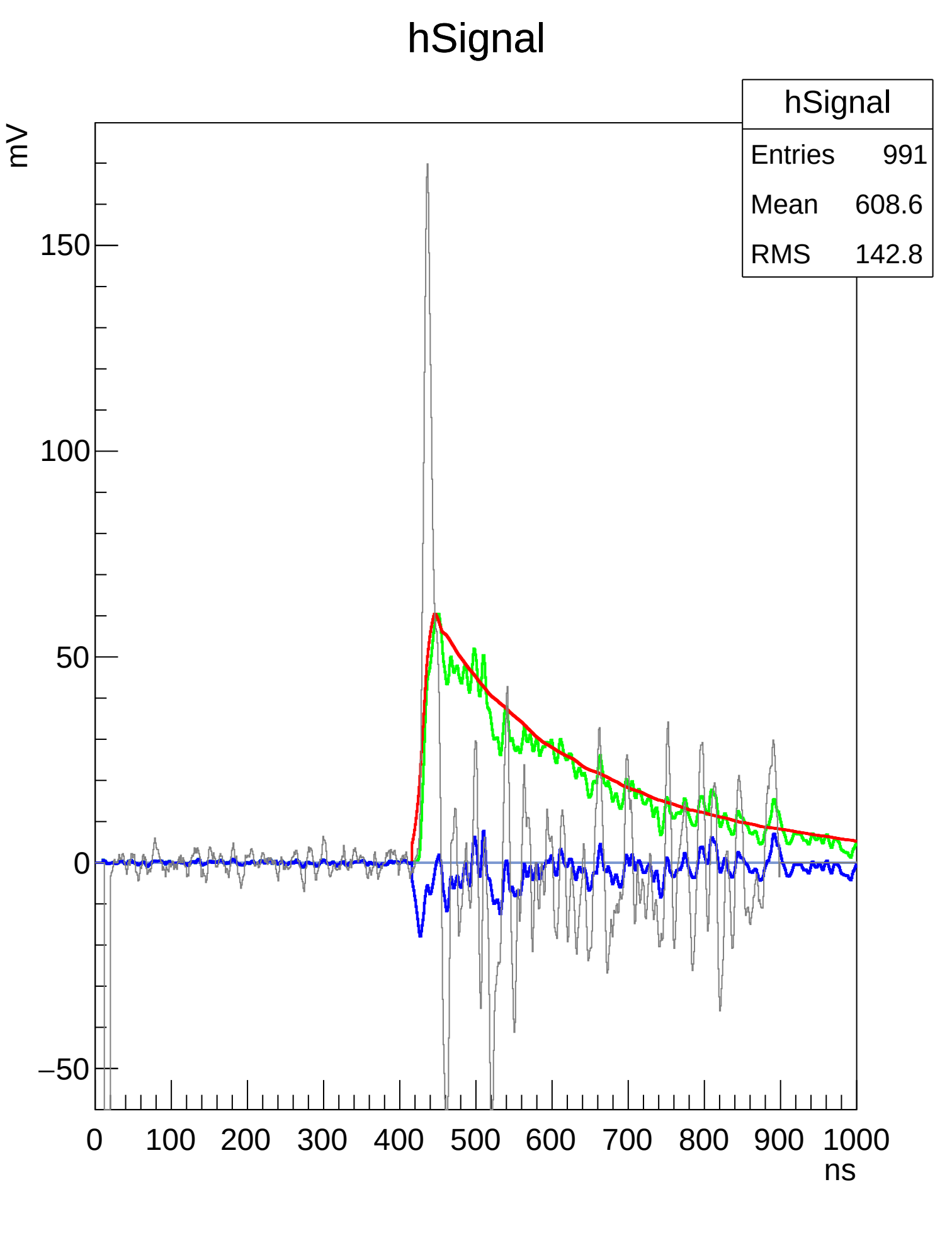
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.6
RMS 142.8
mV
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100
50
0
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0
100
200
300
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600
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800
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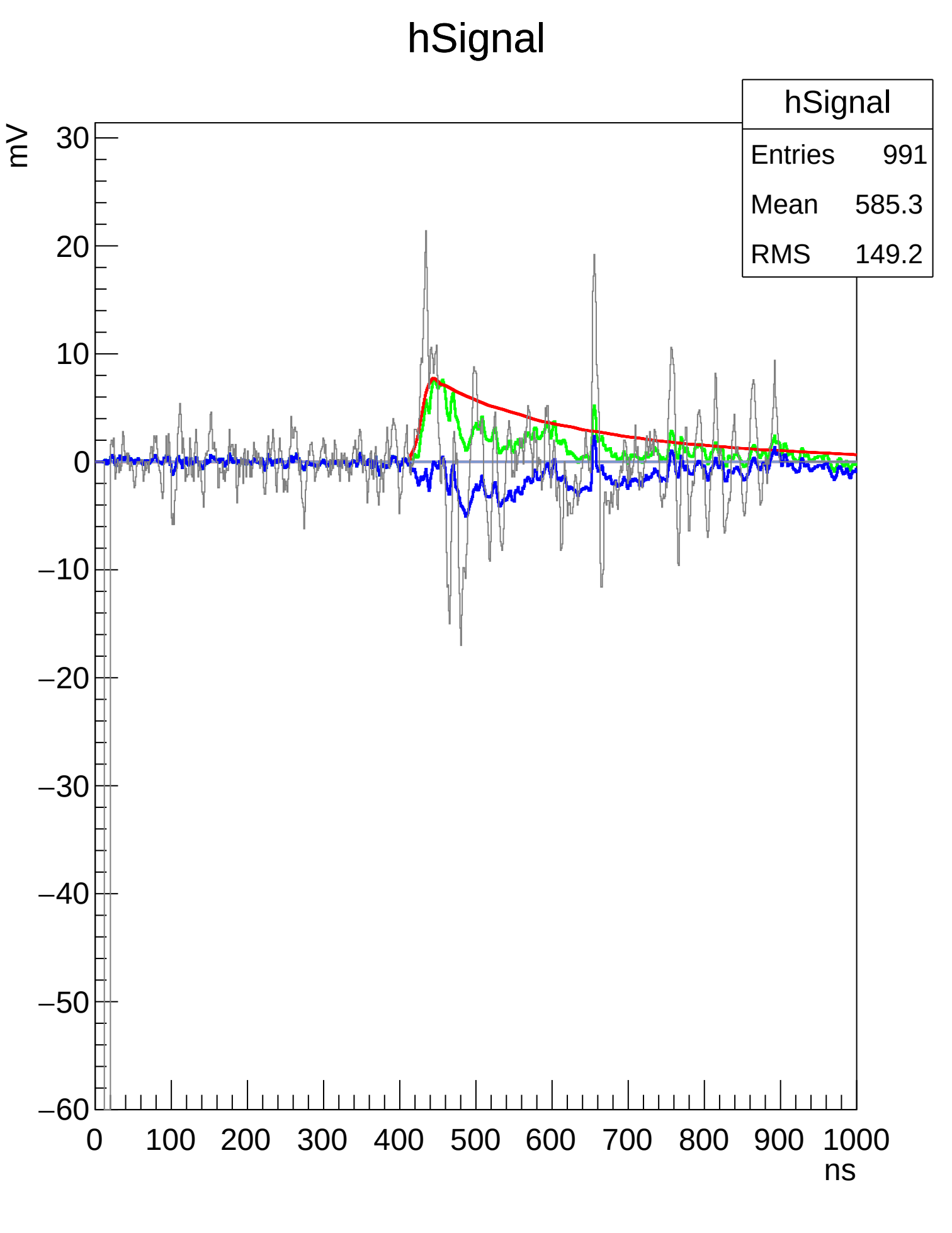
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 149.2
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
500
600
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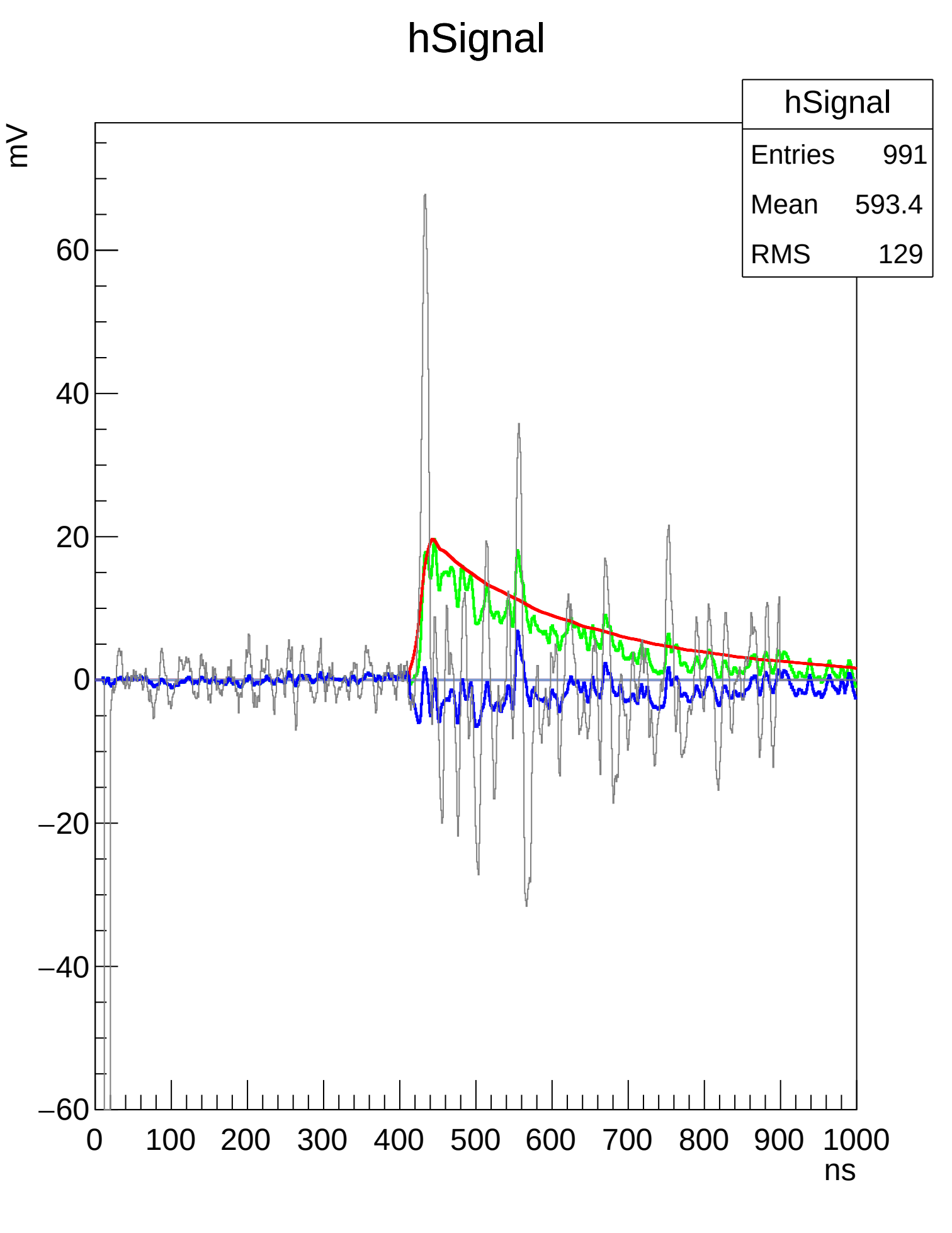
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 129
mV
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0
100
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400
500
600
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800
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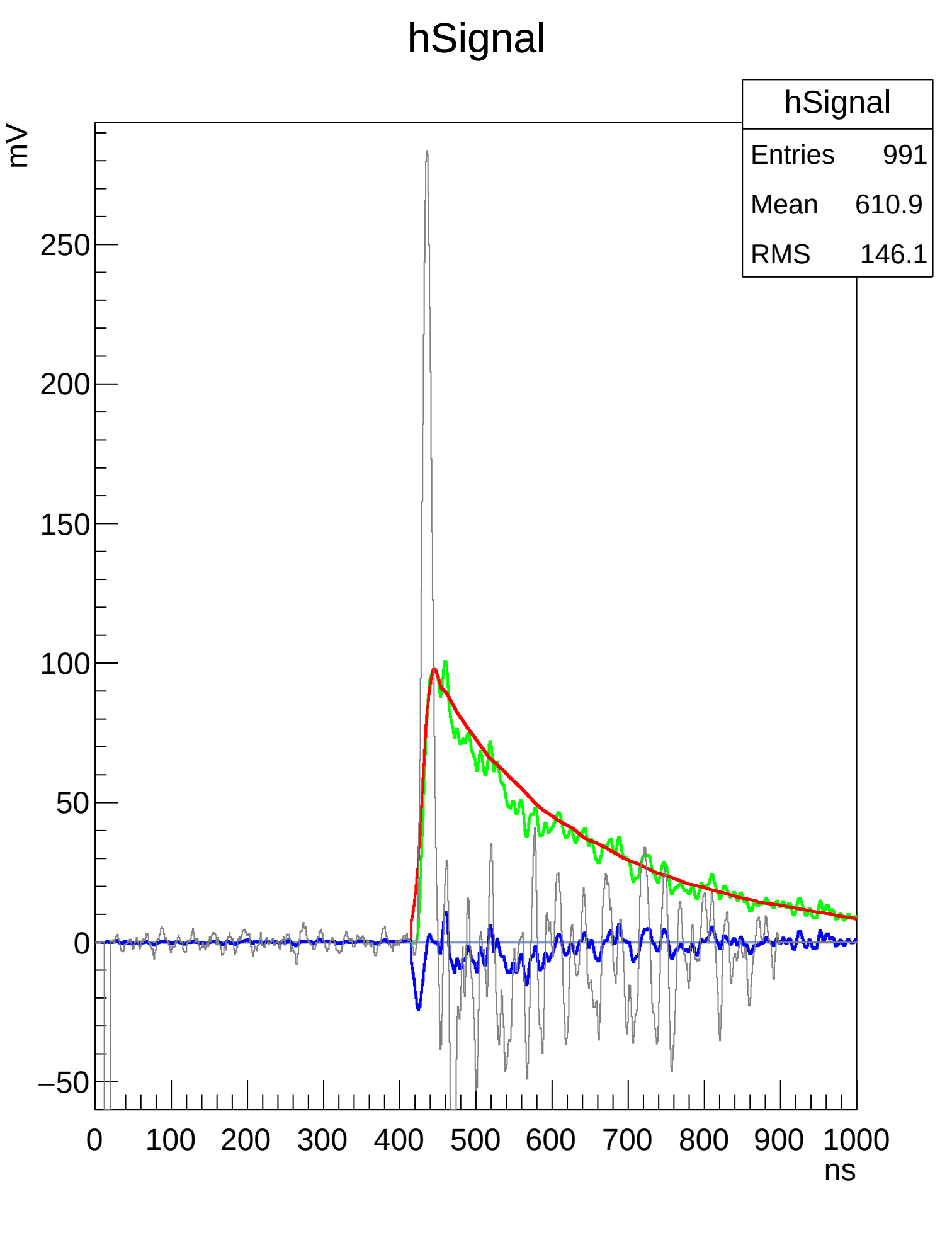
1000
ns


hSignal
hSignal
Entries 991
Mean 610.9
RMS 146.1
mV
250
200
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100
50
0
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0
100
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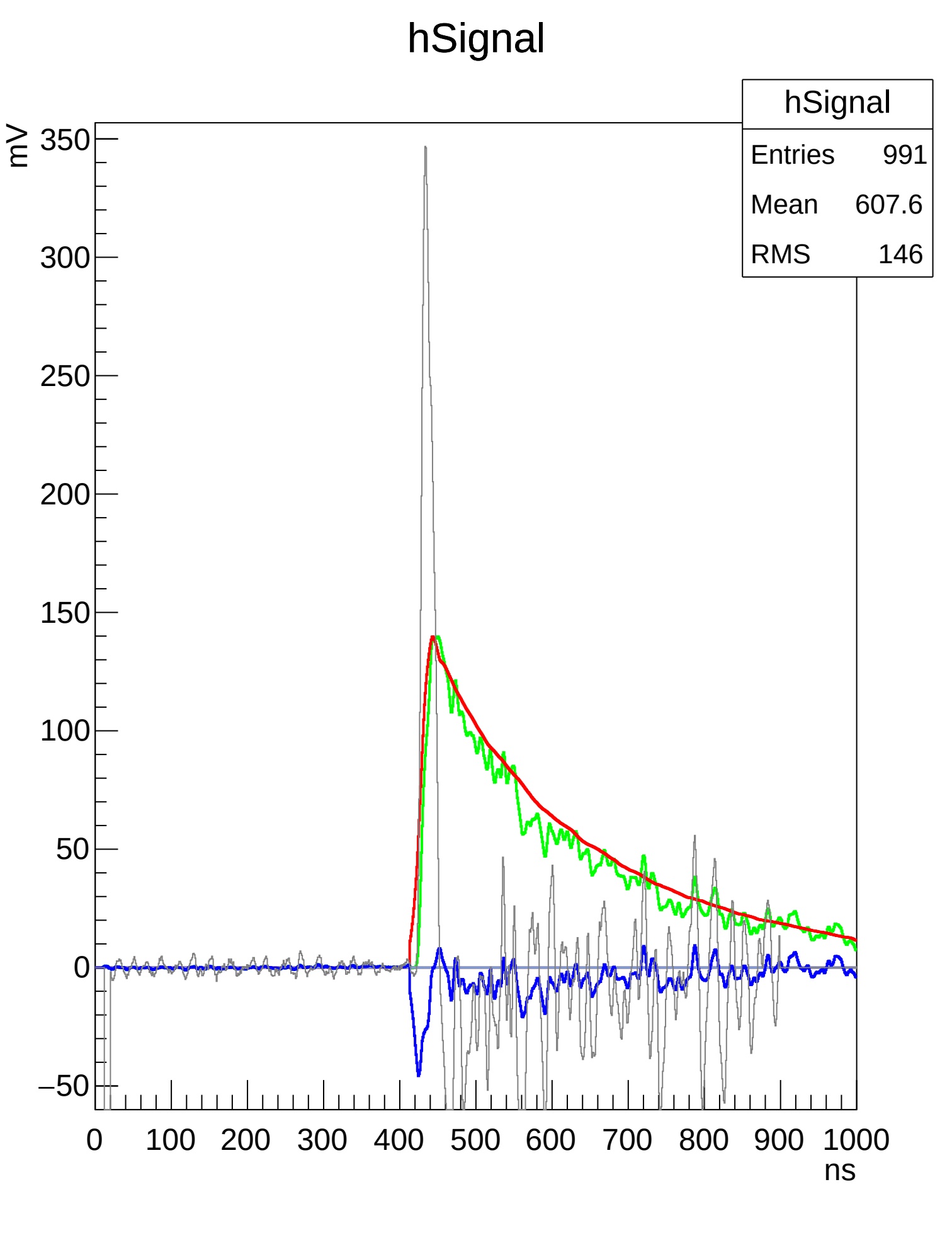
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.6
RMS 146
mV
350
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200
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100
50
0
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0
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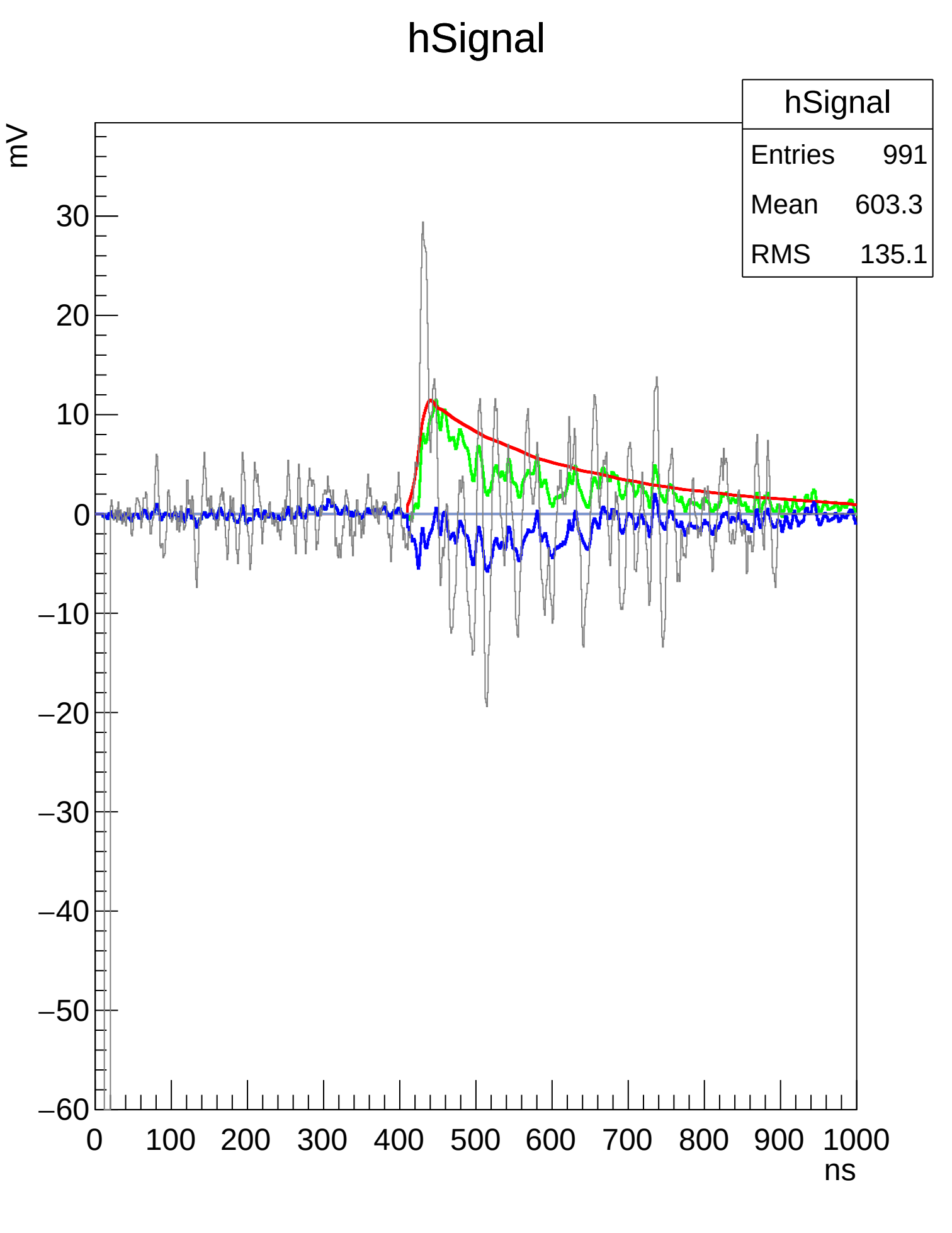
hSignal
hSignal
Entries 991
Mean 603.3
RMS 135.1
mV
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20
10
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0
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200
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800
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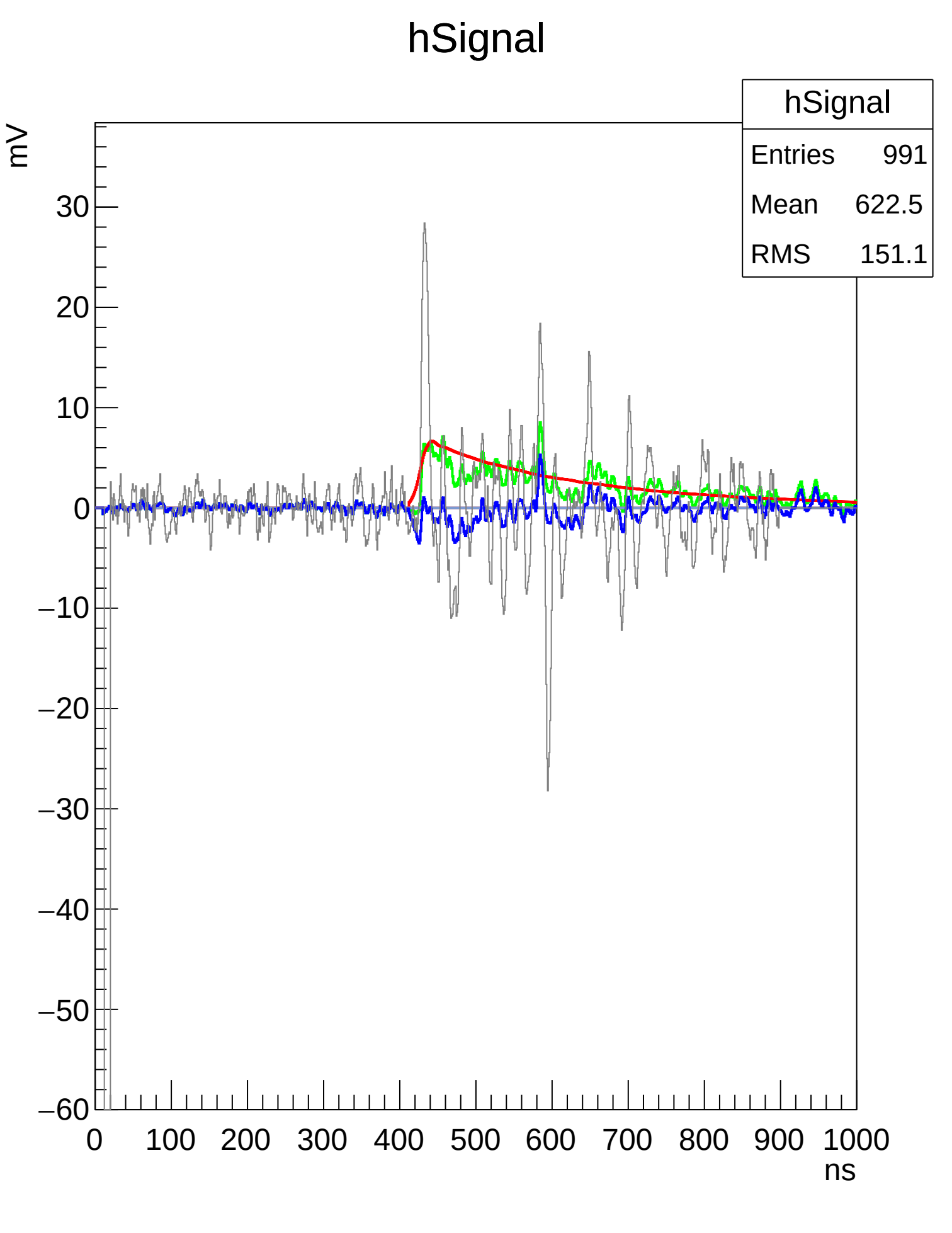
hSignal
hSignal
Entries 991
Mean 622.5
RMS 151.1
mV
30
20
10
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0
100
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400
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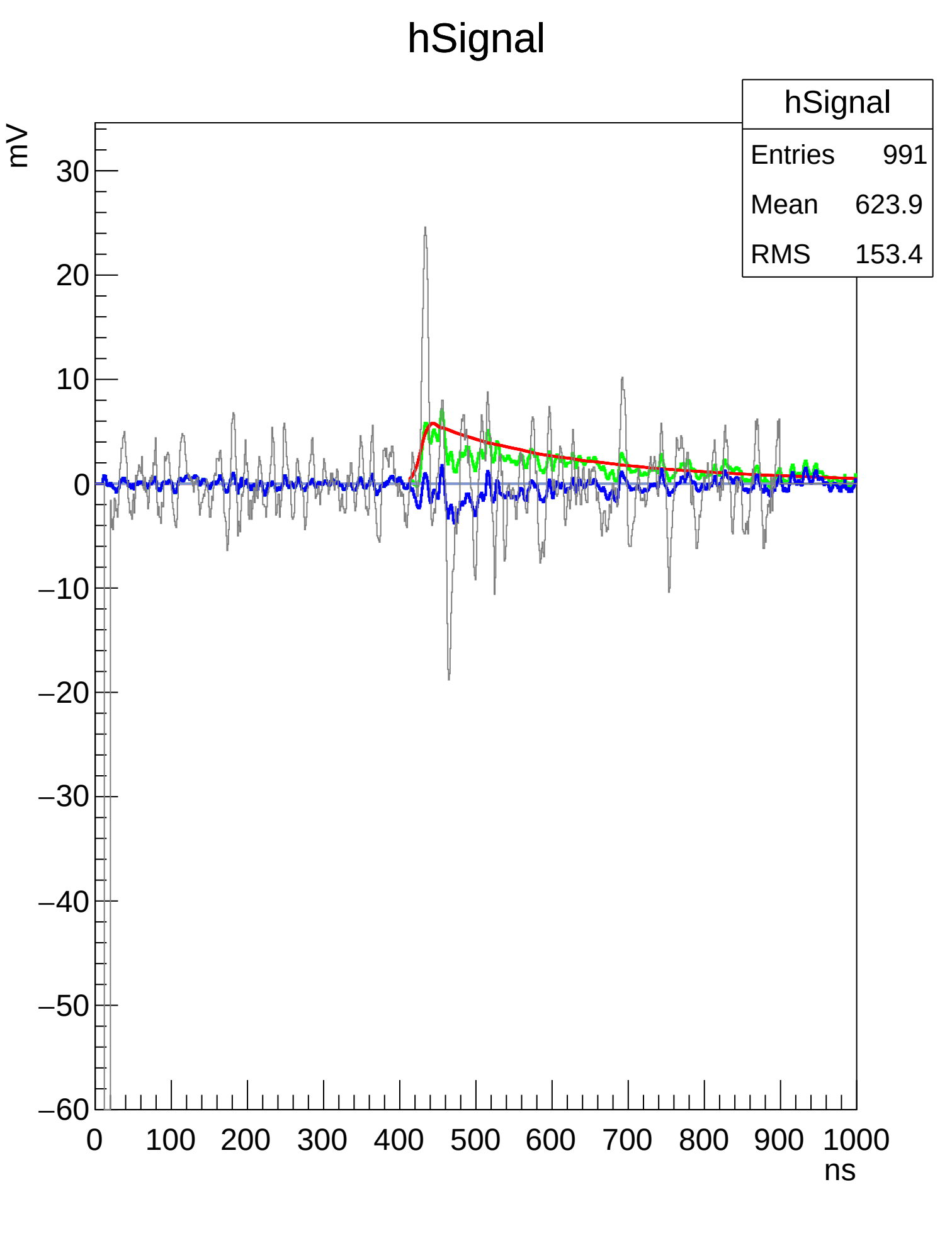
hSignal
hSignal
Entries 991
Mean 623.9
RMS 153.4
mV
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10
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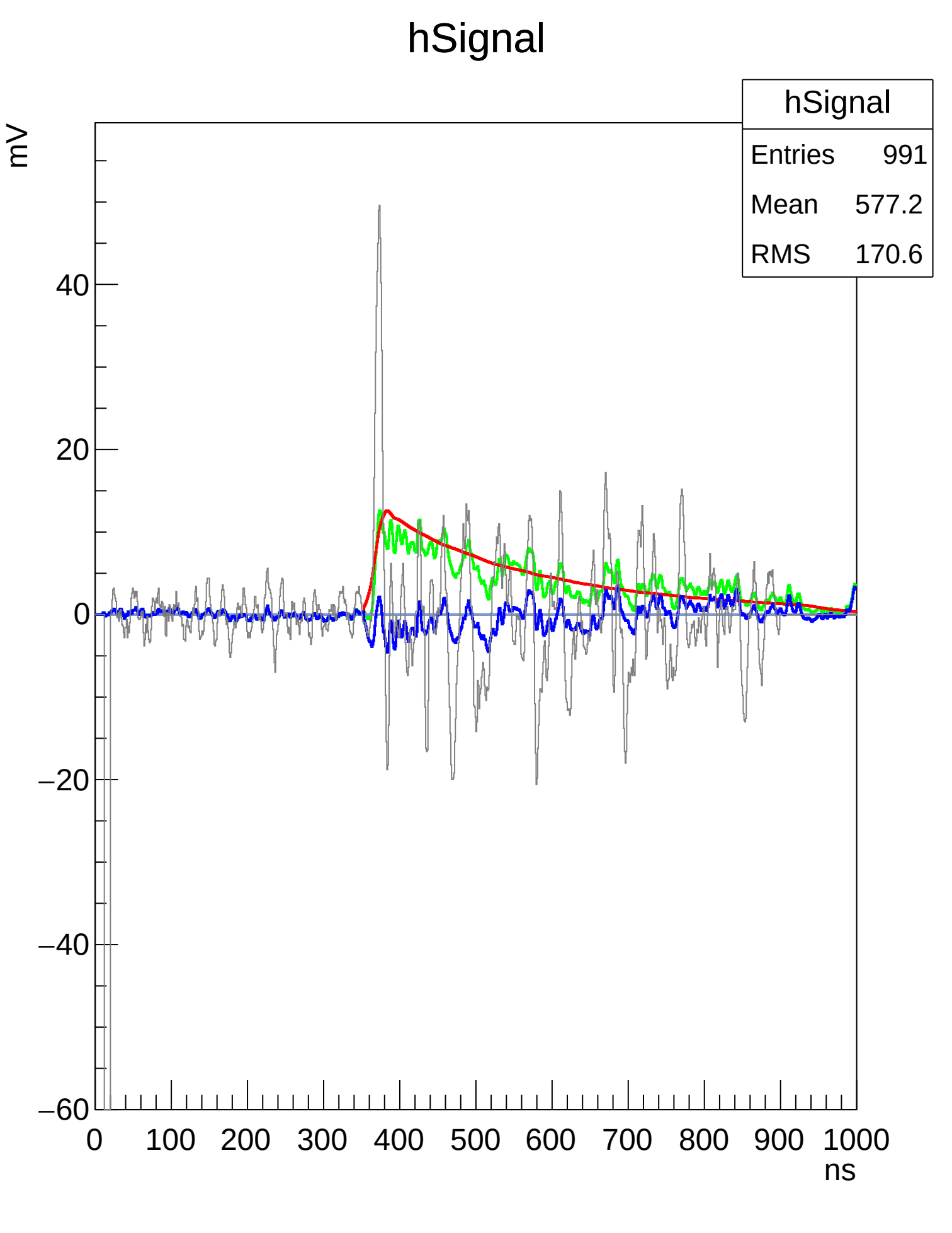
hSignal
hSignal
Entries 991
Mean 577.2
RMS 170.6
mV
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−20
−40
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0
100
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800
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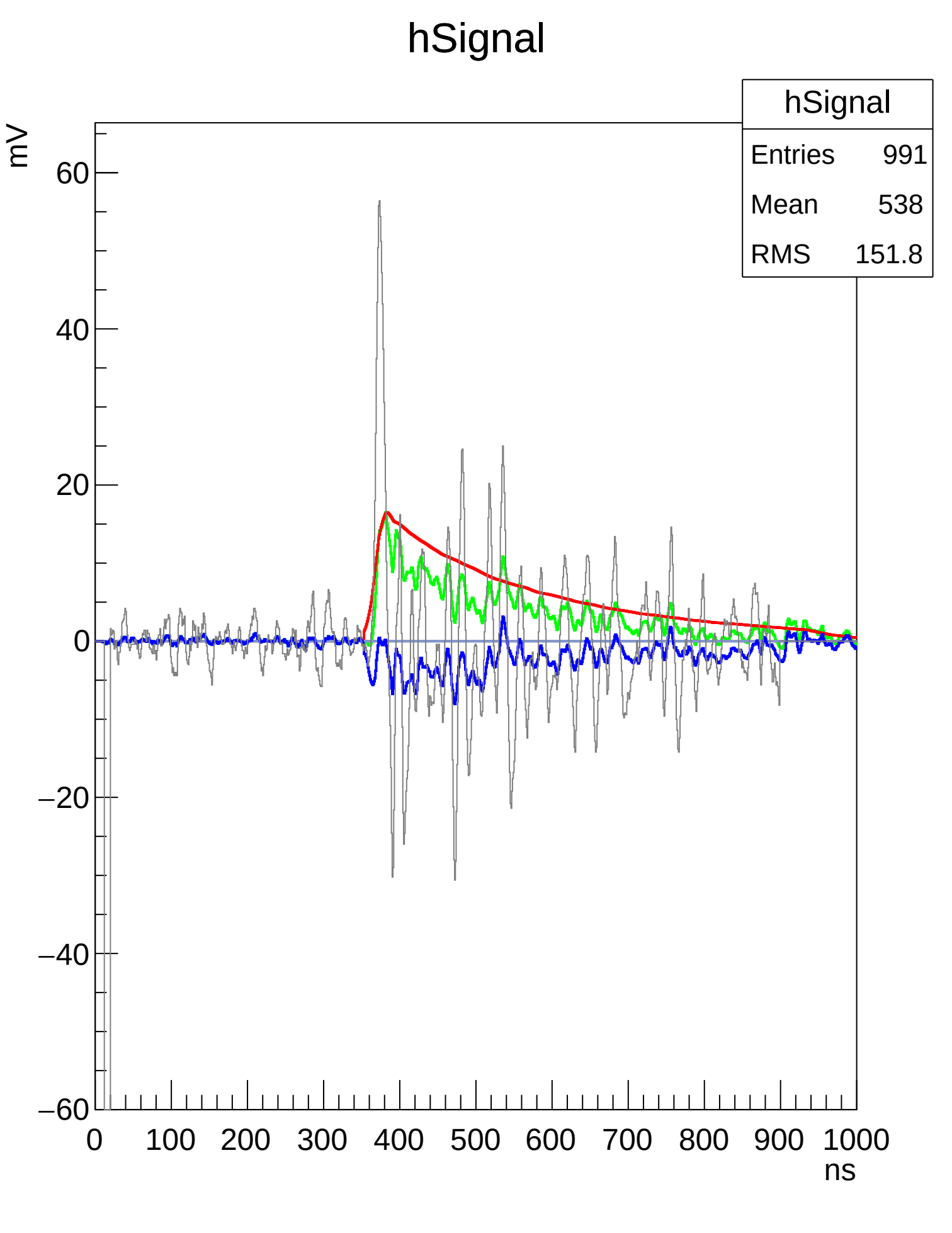
1000
ns


hSignal
hSignal
Entries 991
Mean 538
RMS 151.8
mV
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0
100
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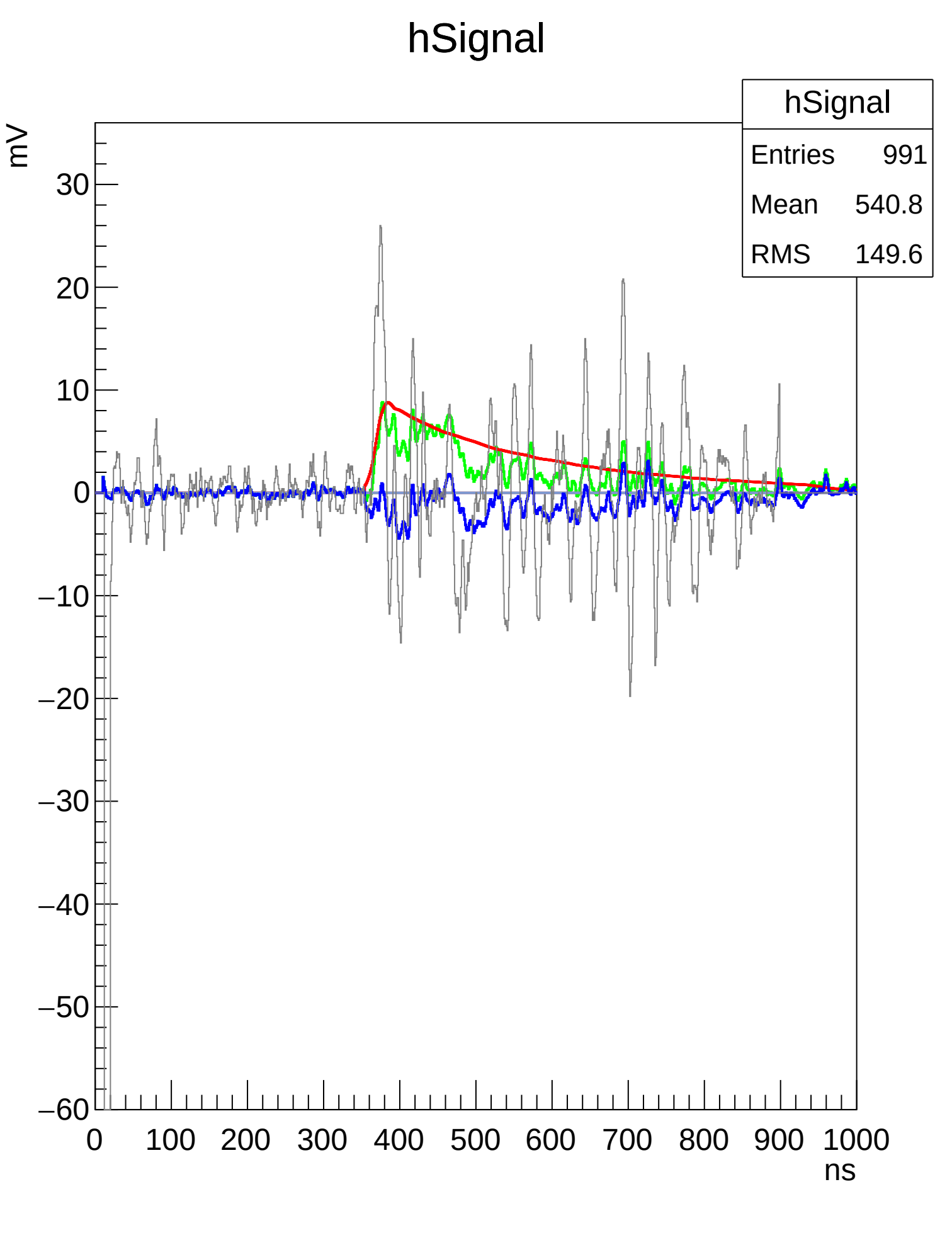
1000
ns


hSignal
hSignal
Entries 991
Mean 540.8
RMS 149.6
mV
30
20
10
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200
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400
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800
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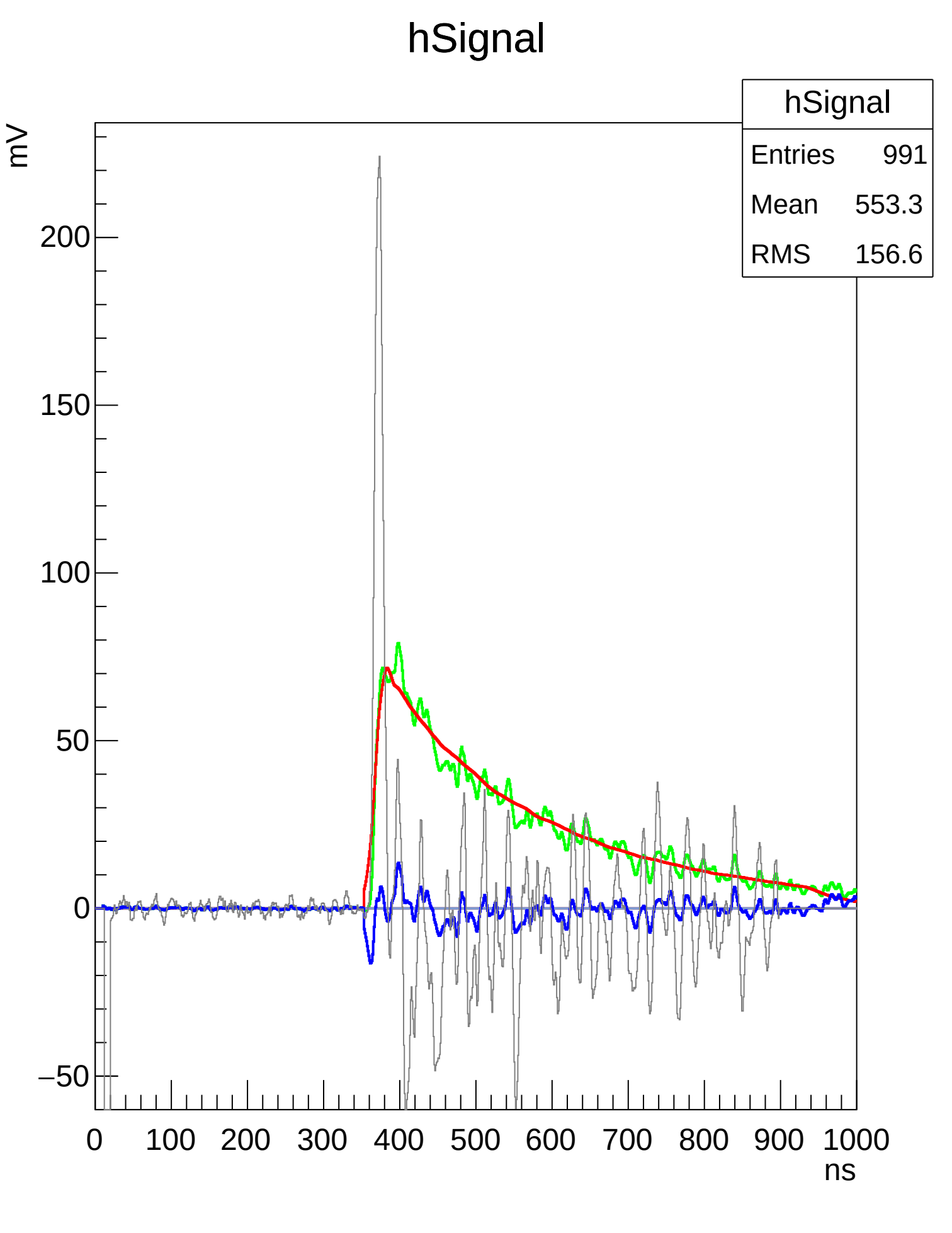
1000
ns


hSignal
hSignal
Entries 991
Mean 553.3
RMS 156.6
mV
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50
0
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0
100
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600
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800
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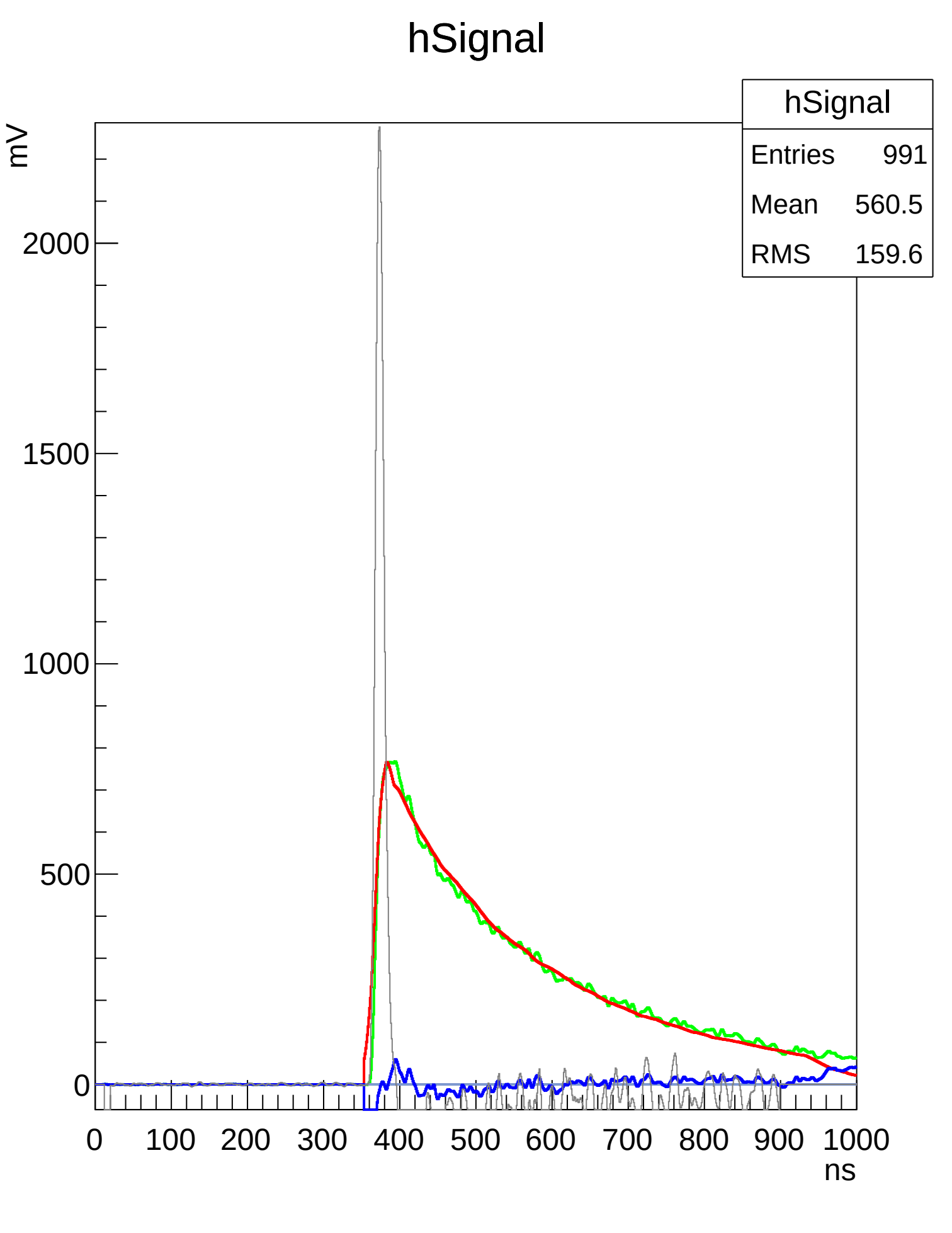
1000
ns


hSignal
hSignal
Entries 991
Mean 560.5
RMS 159.6
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500
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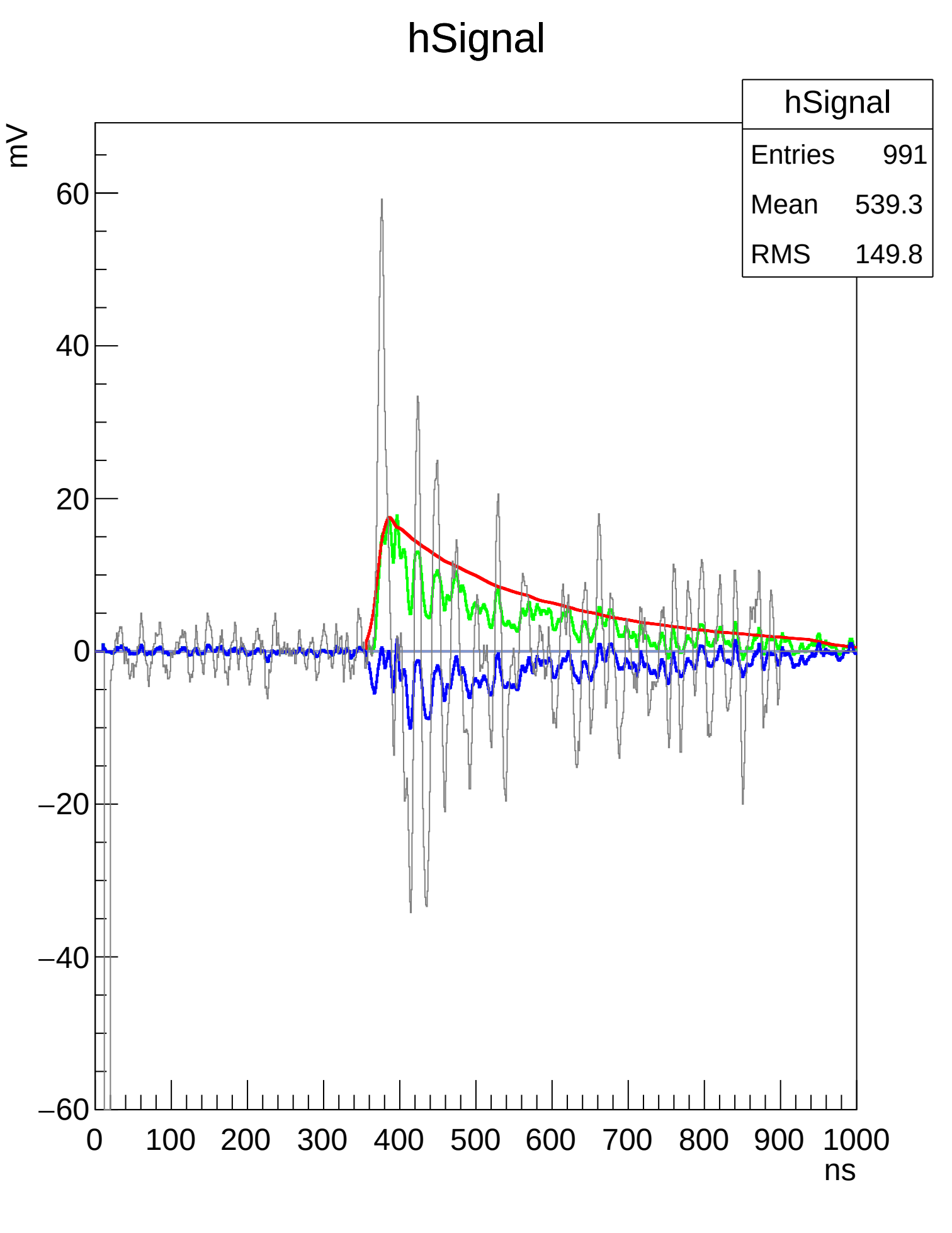
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.3
RMS 149.8
mV
60
40
20
0
−20
−40
−60
0
100
200
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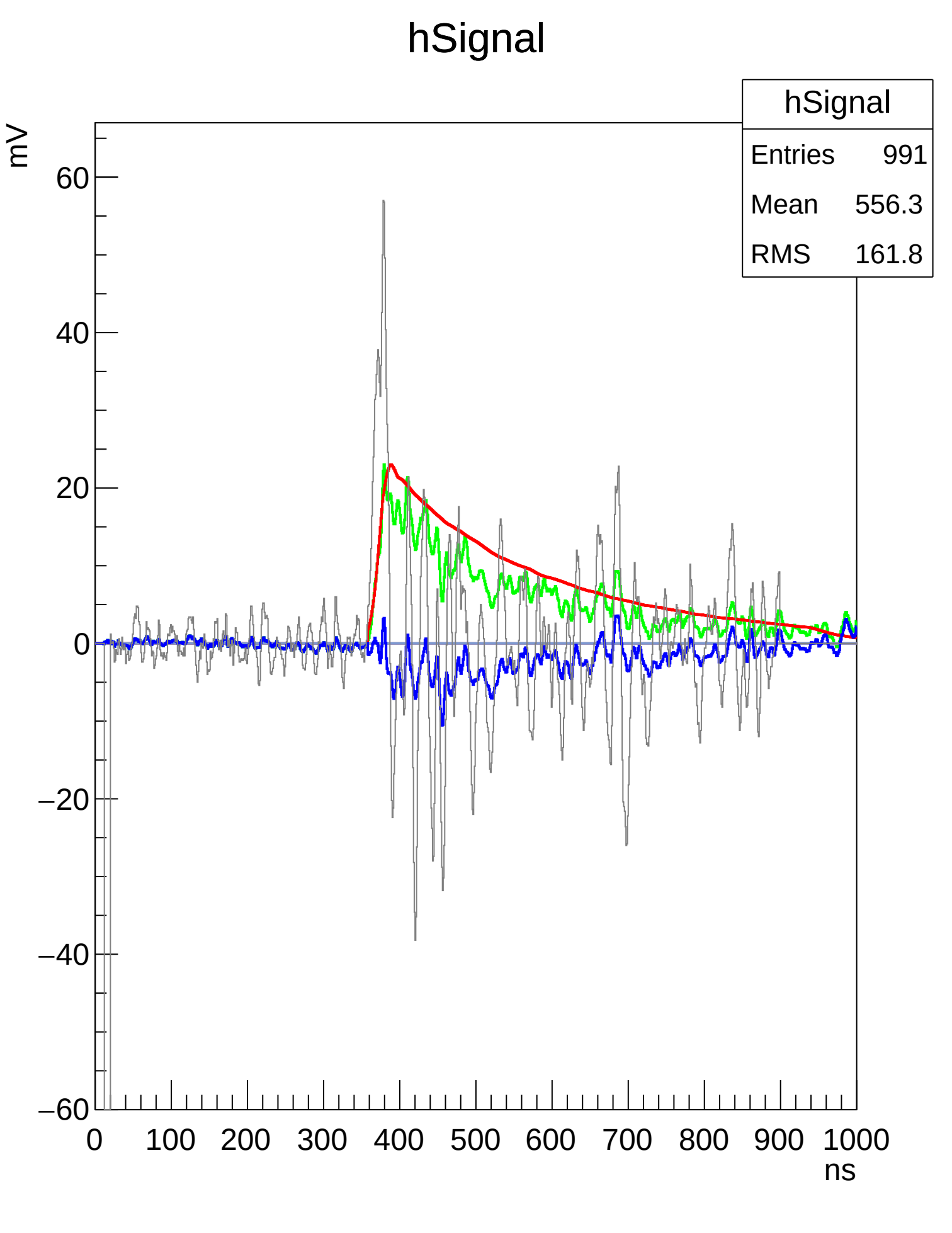
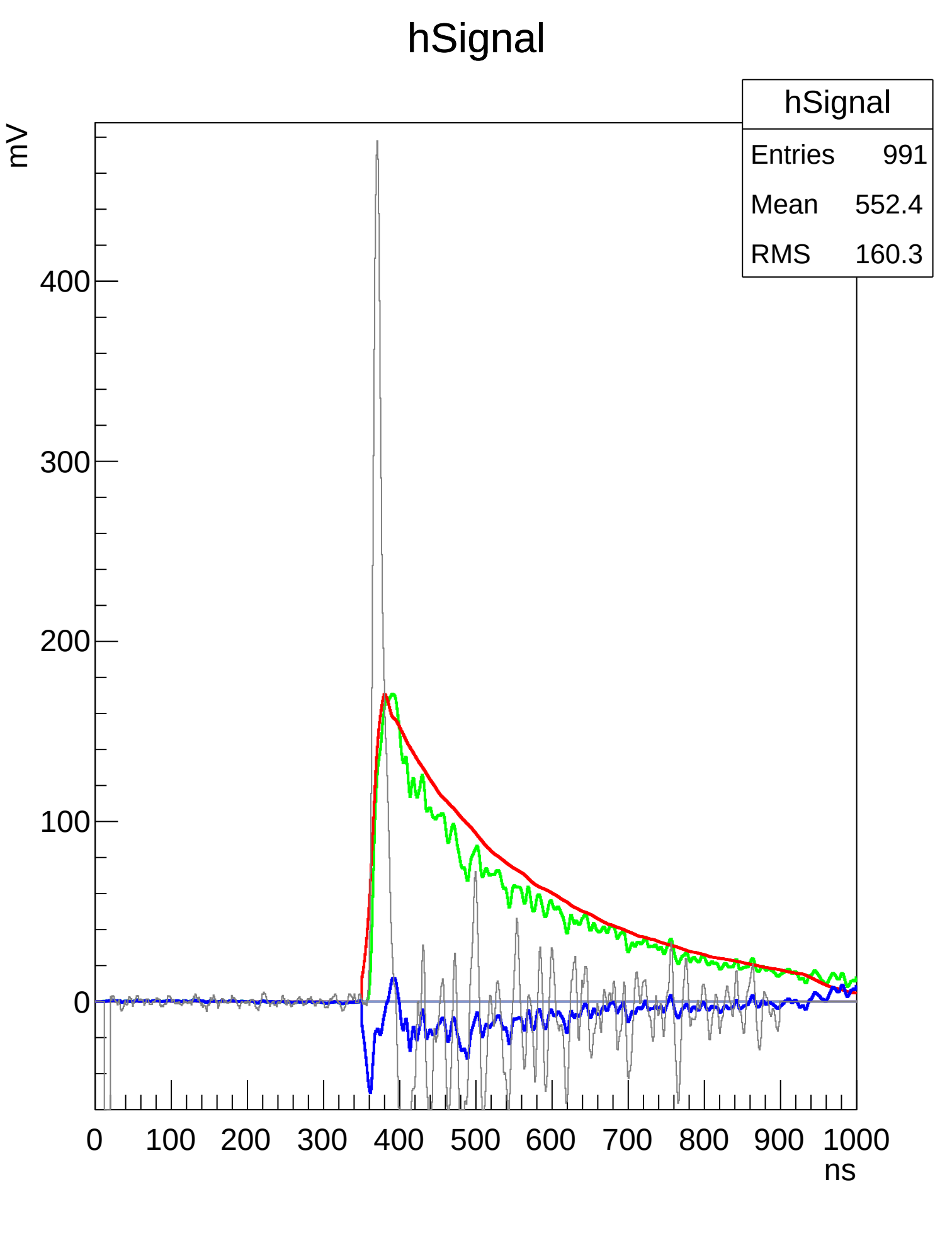
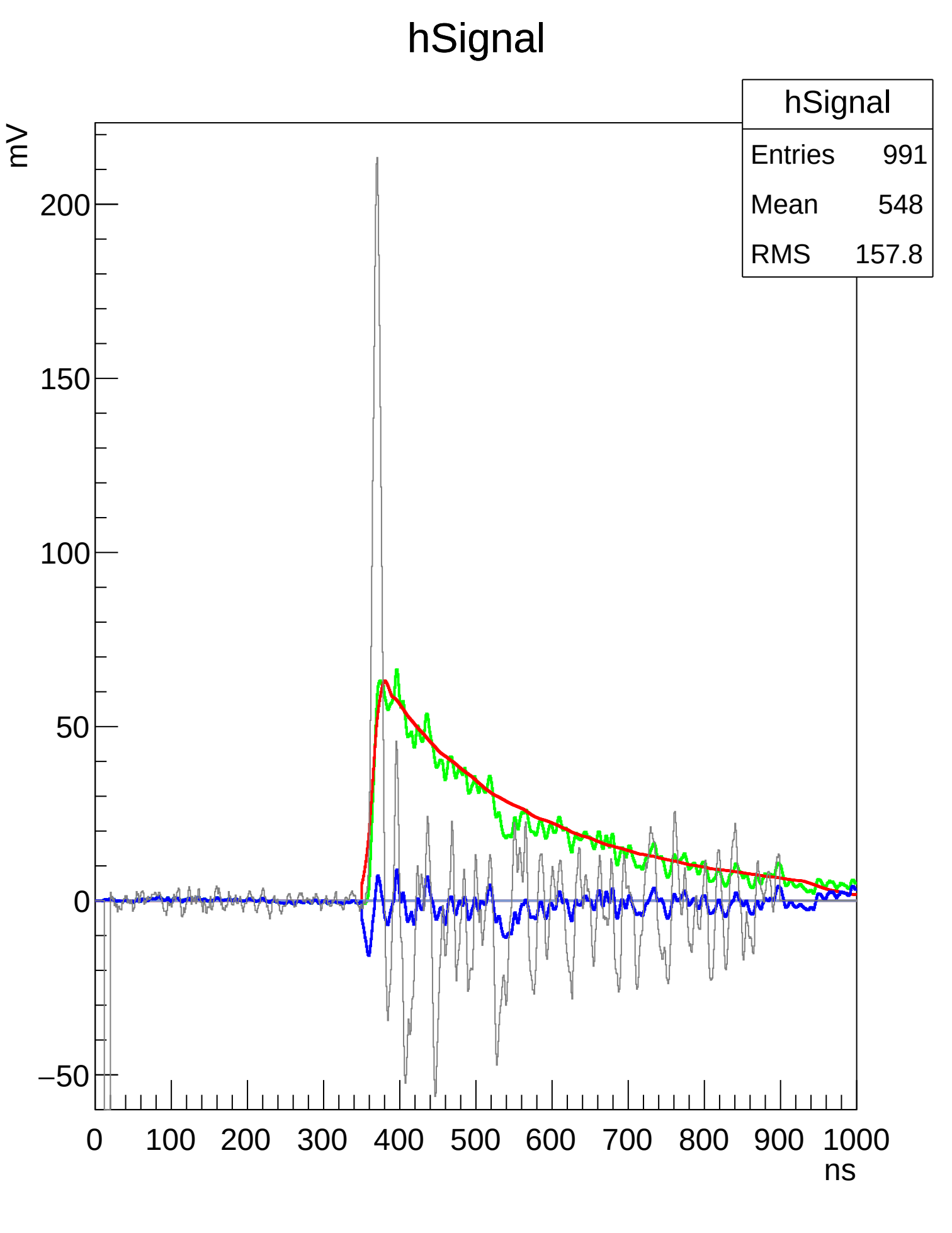
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.3
RMS 161.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.4
RMS 160.3
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548
RMS 157.8
mV
200
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100
50
0
−50
0
100
200
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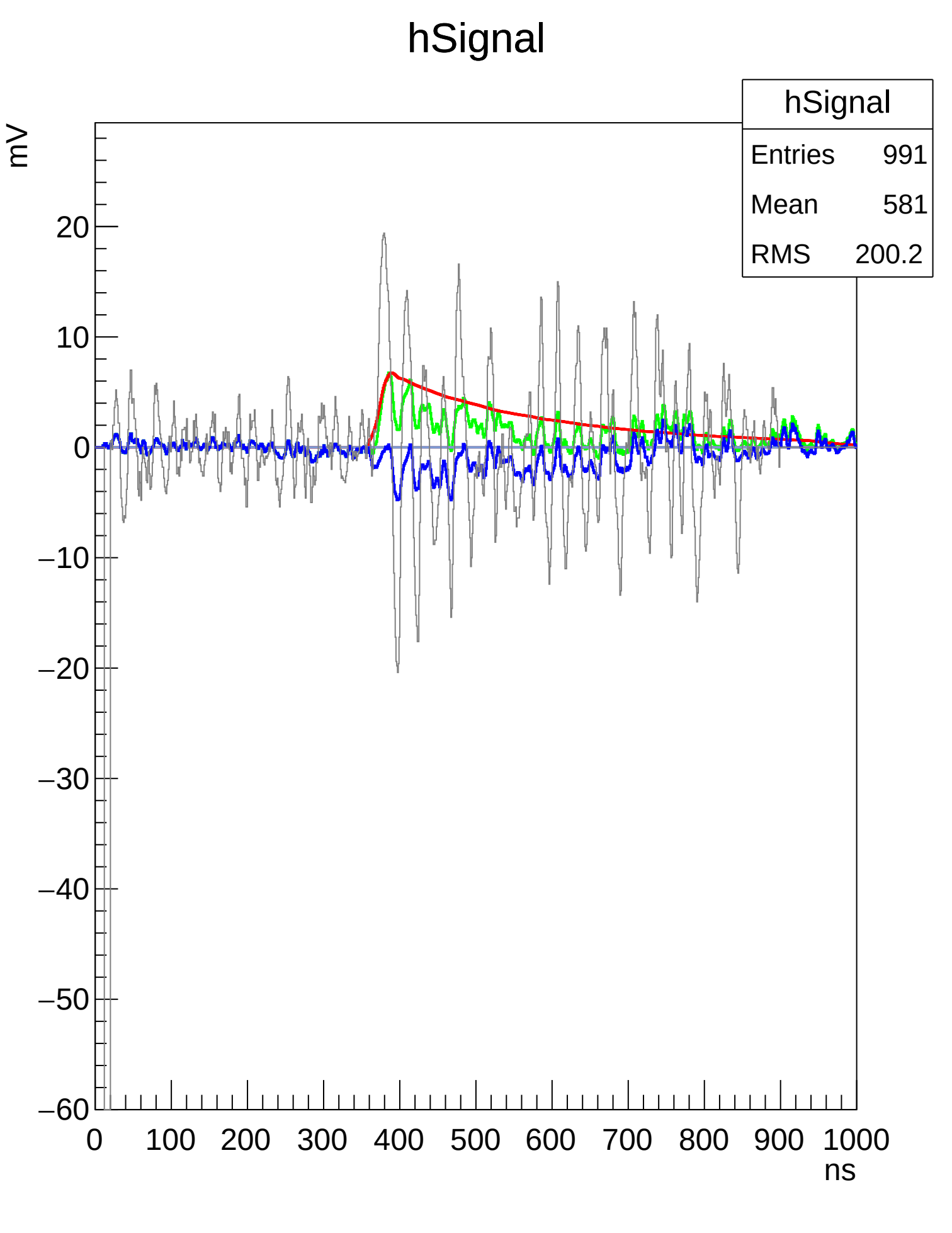
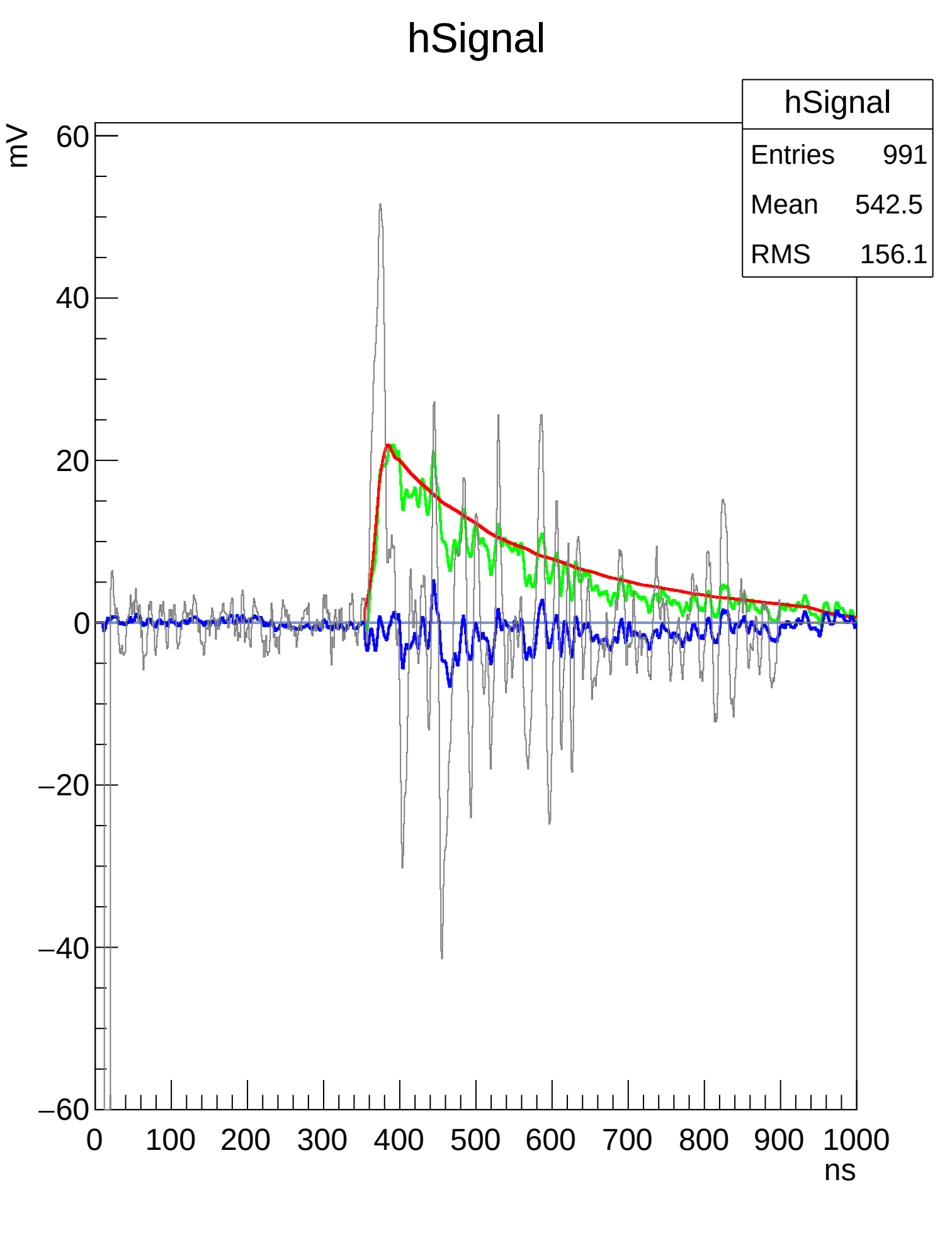
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581
RMS 200.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.5
RMS 156.1
mV
60
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20
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−20
−40
−60
0
100
200
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400
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600
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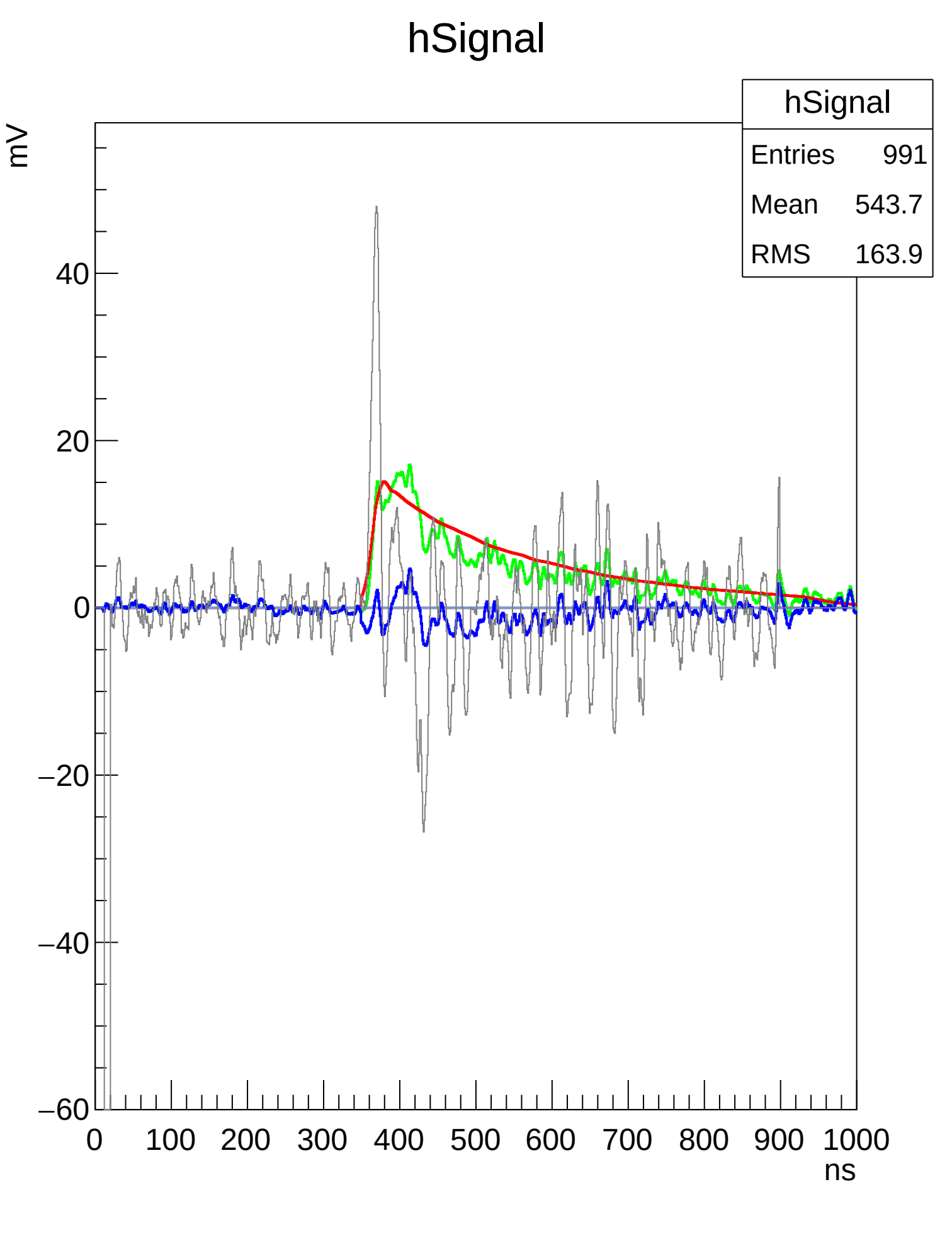
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 163.9
mV
40
20
0
−20
−40
−60
0
100
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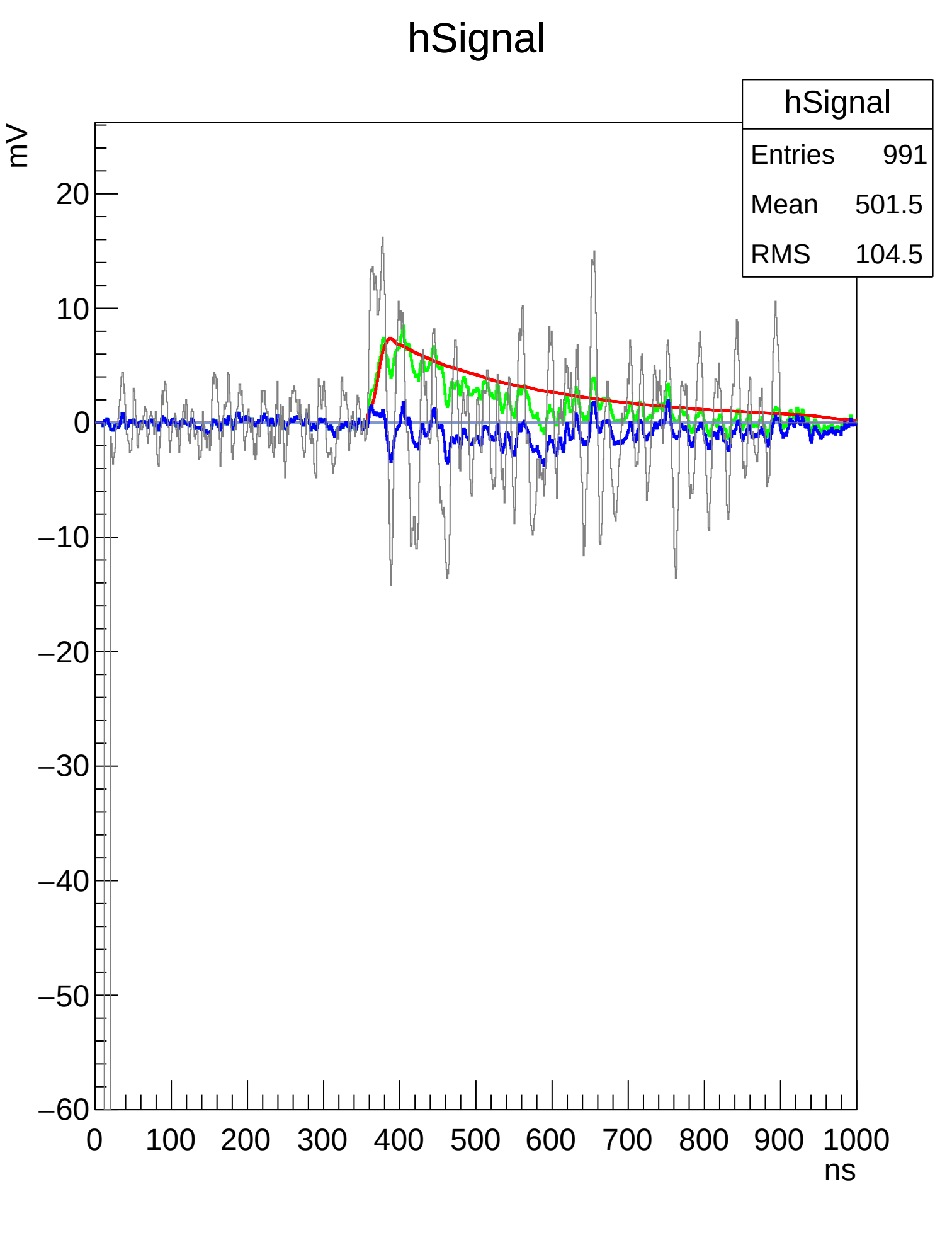
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.5
RMS 104.5
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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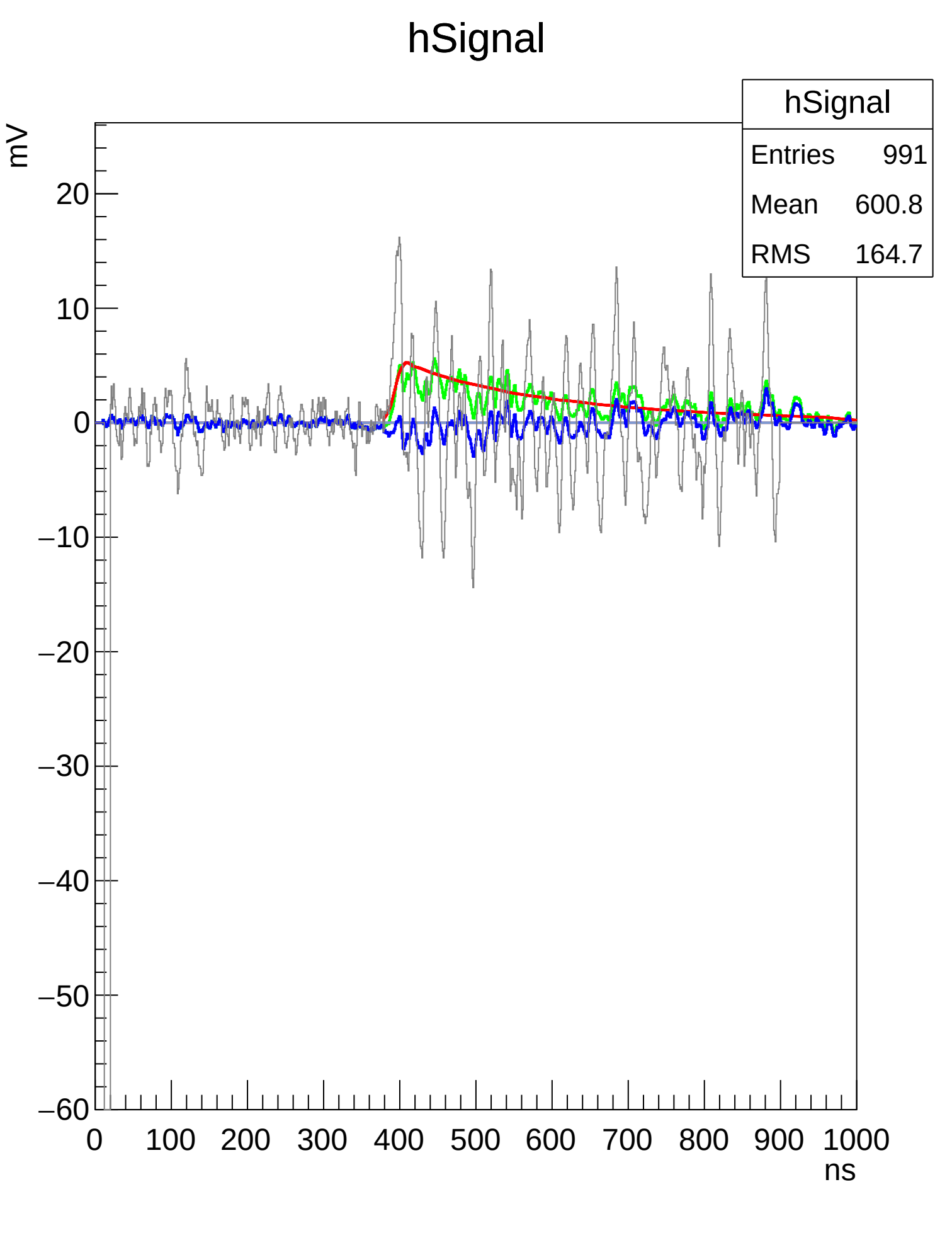
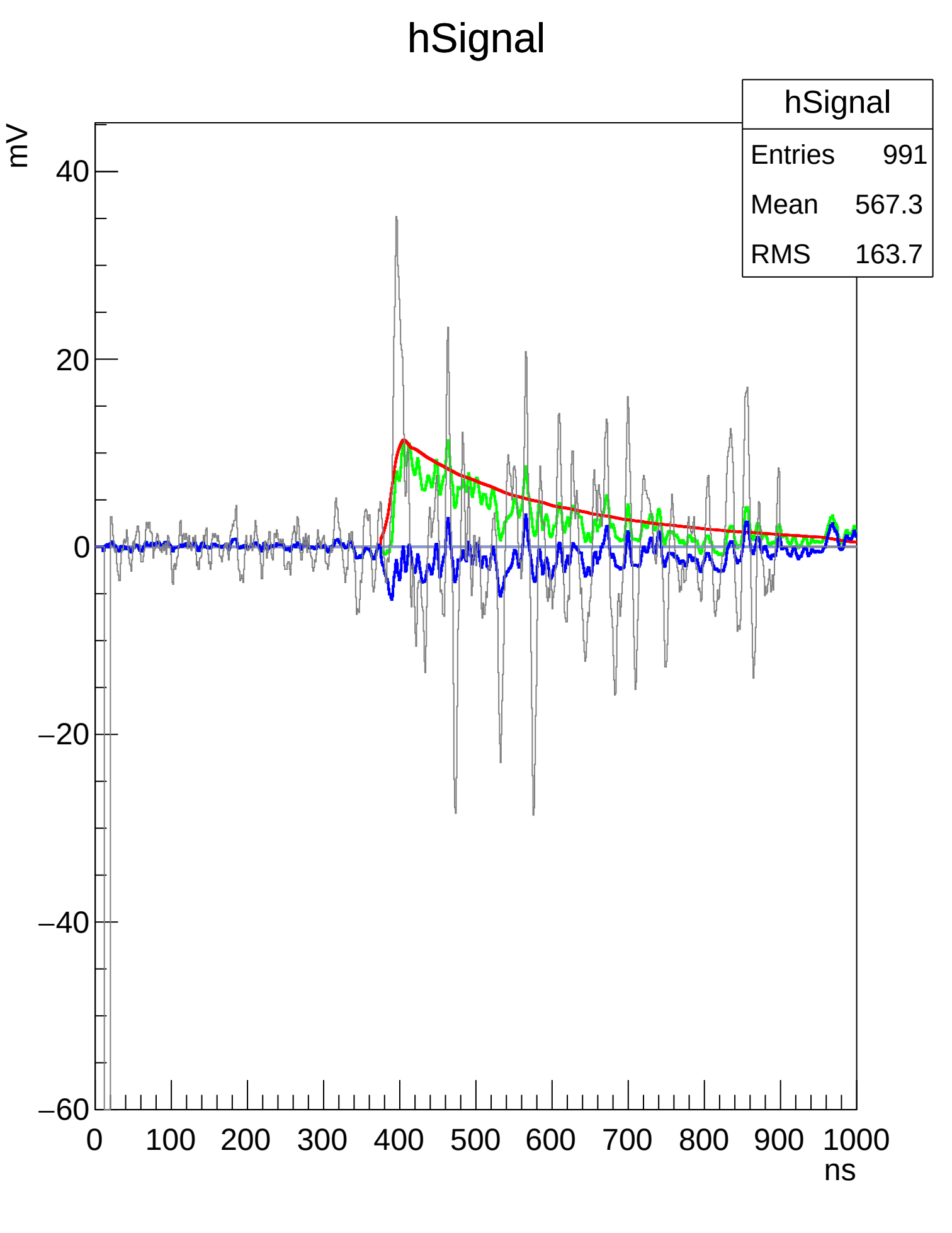
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.8
RMS 164.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.3
RMS 163.7
mV
40
20
0
−20
−40
−60
0
100
200
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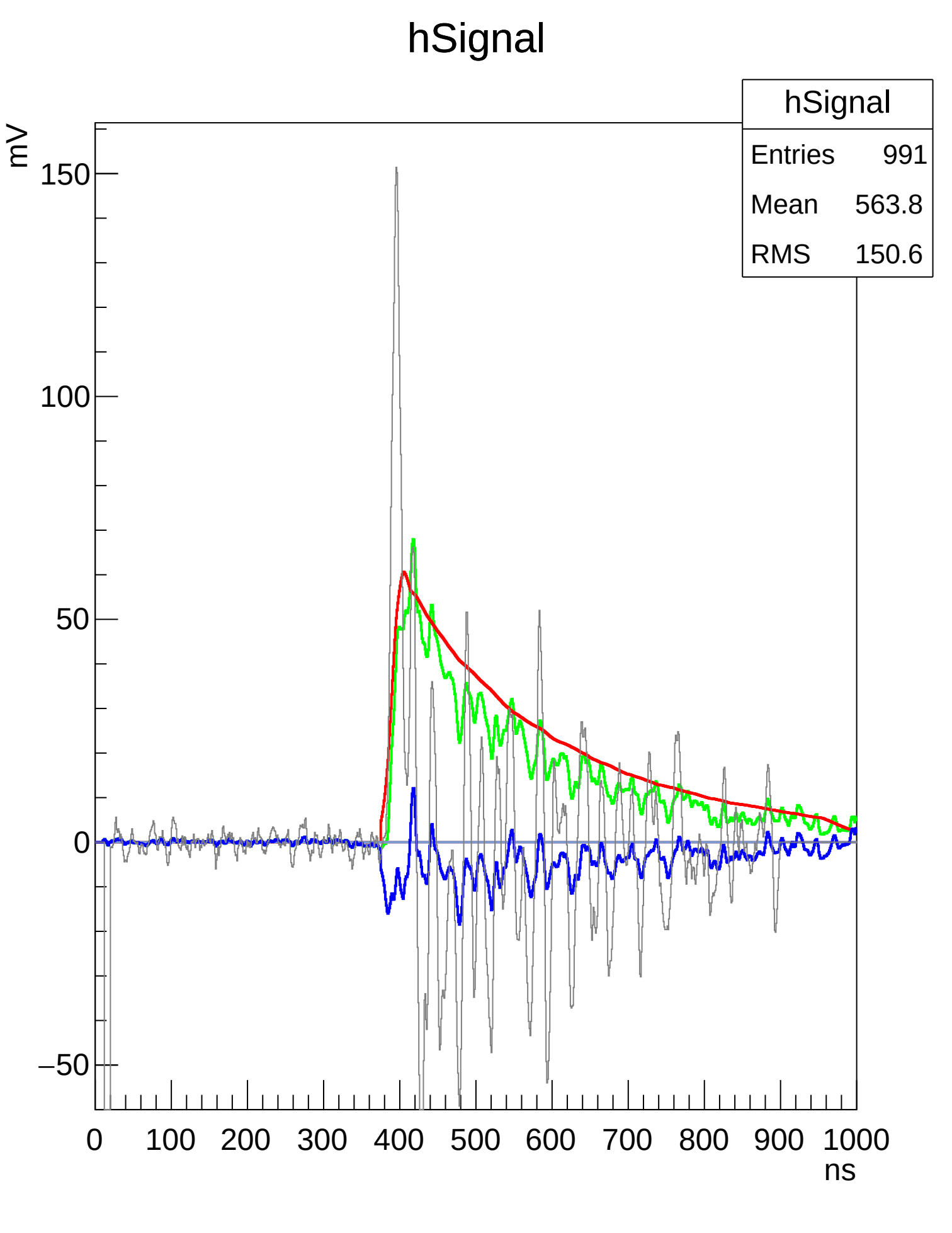
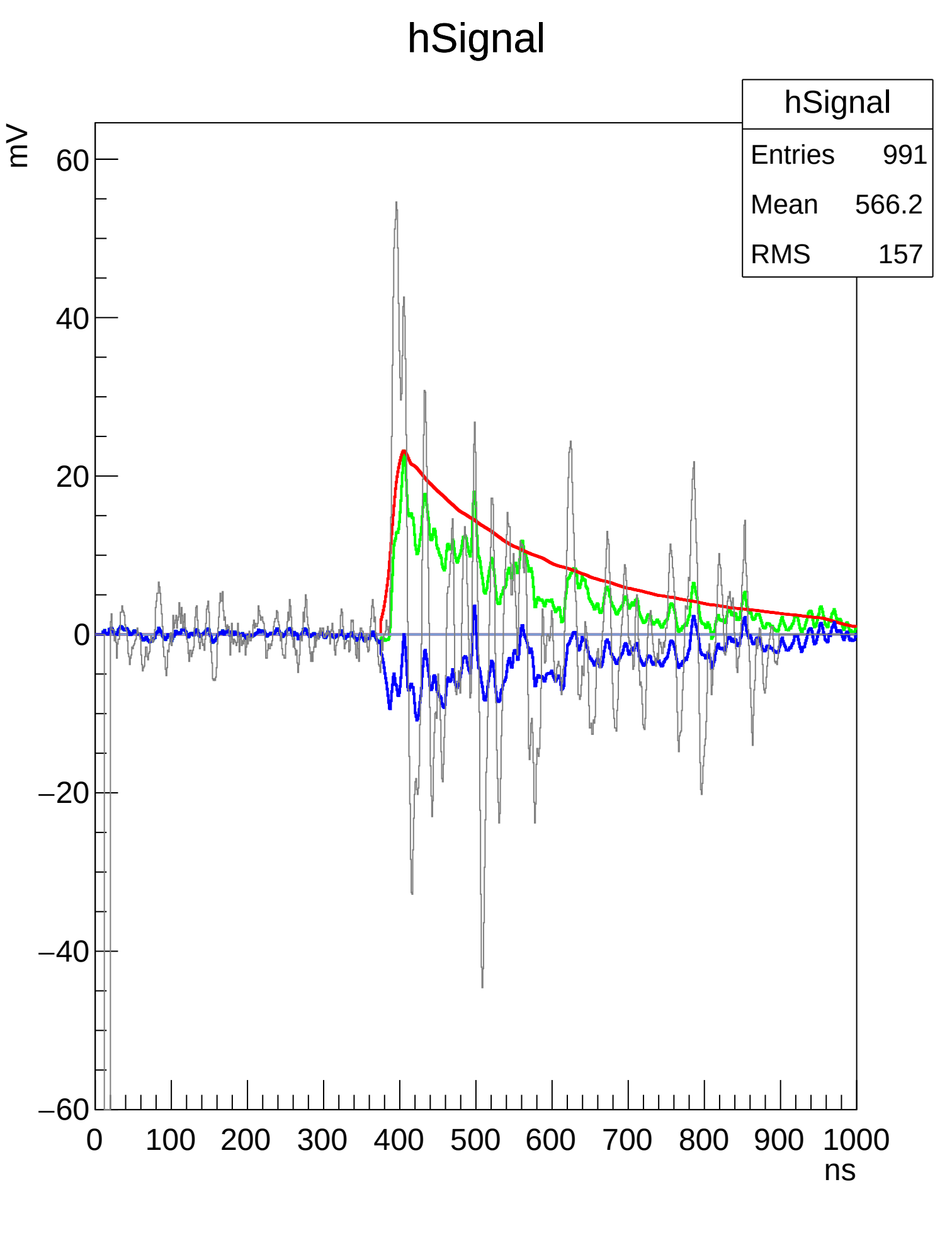
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.8
RMS 150.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.2
RMS 157
mV
60
40
20
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−20
−40
−60
0
100
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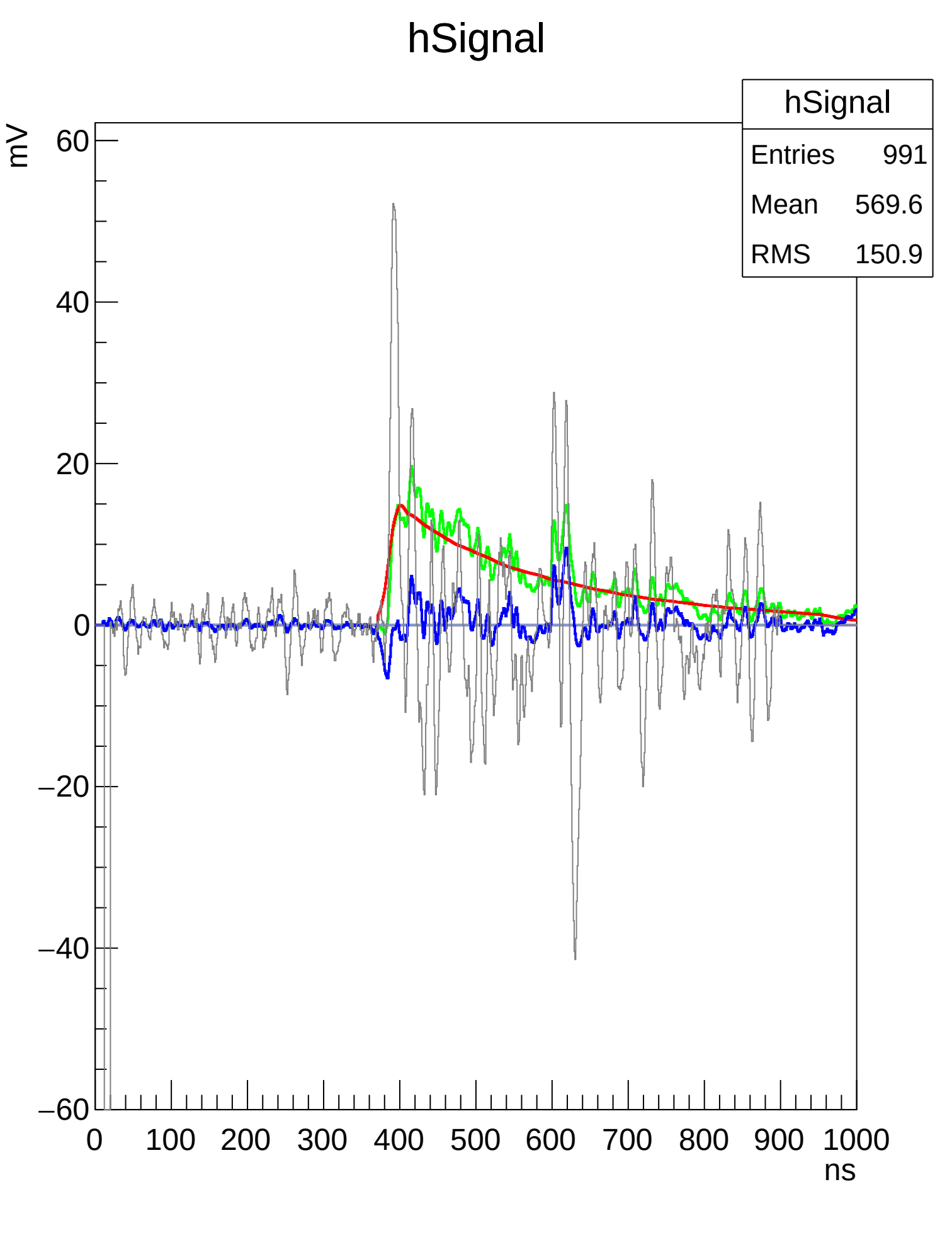
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.6
RMS 150.9
mV
60
40
20
0
−20
−40
−60
0
100
200
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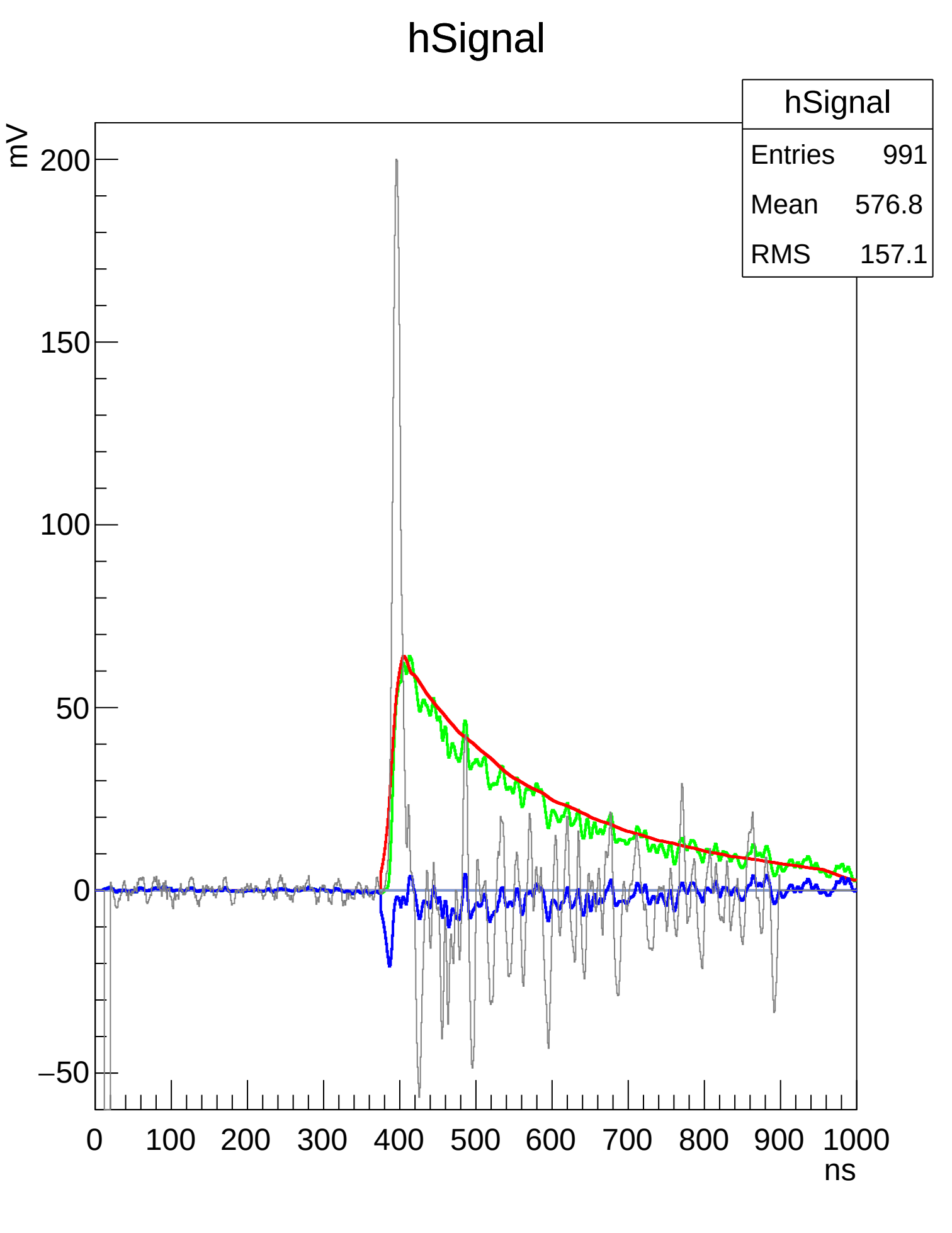
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.8
RMS 157.1
mV
200
150
100
50
0
−50
0
100
200
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400
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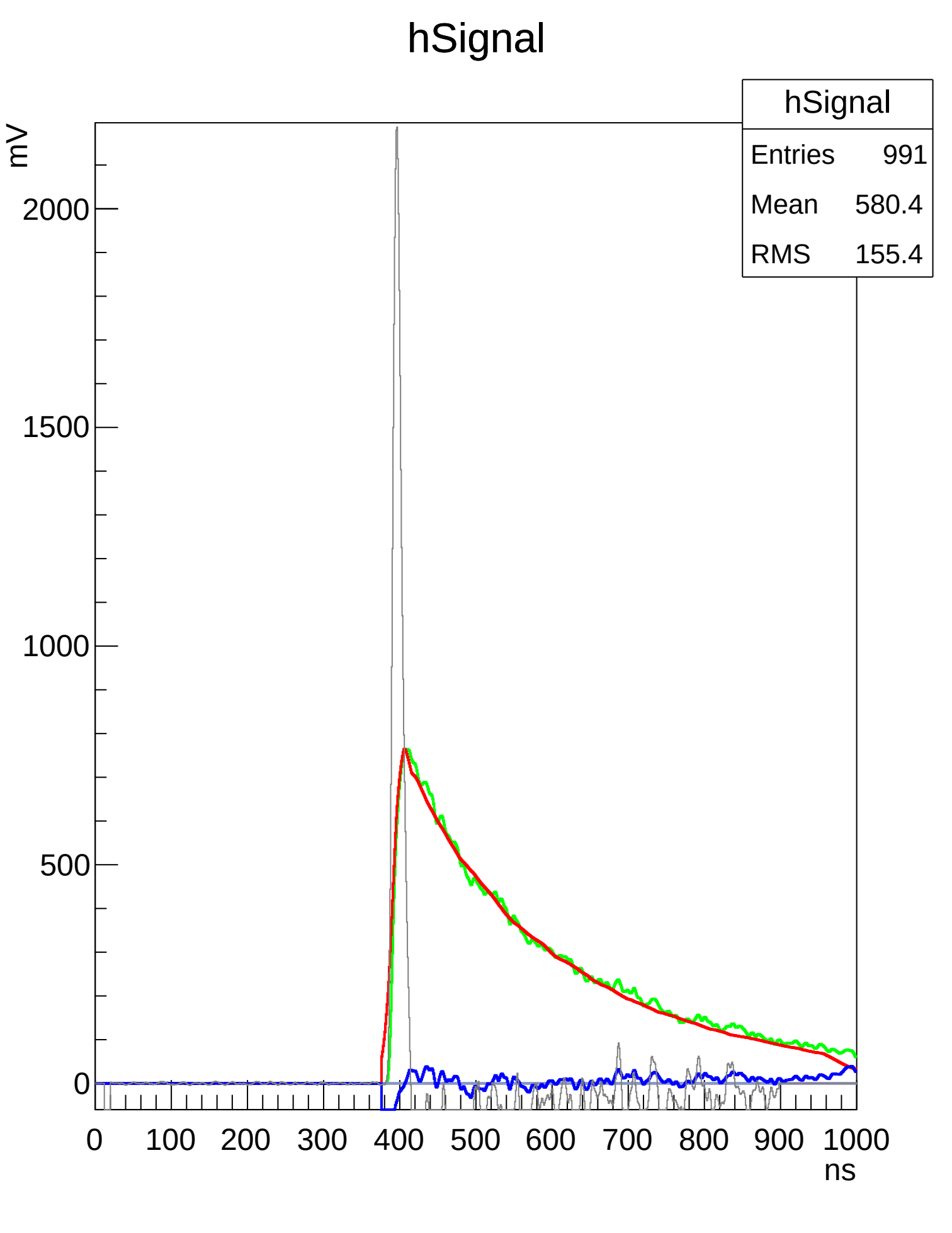
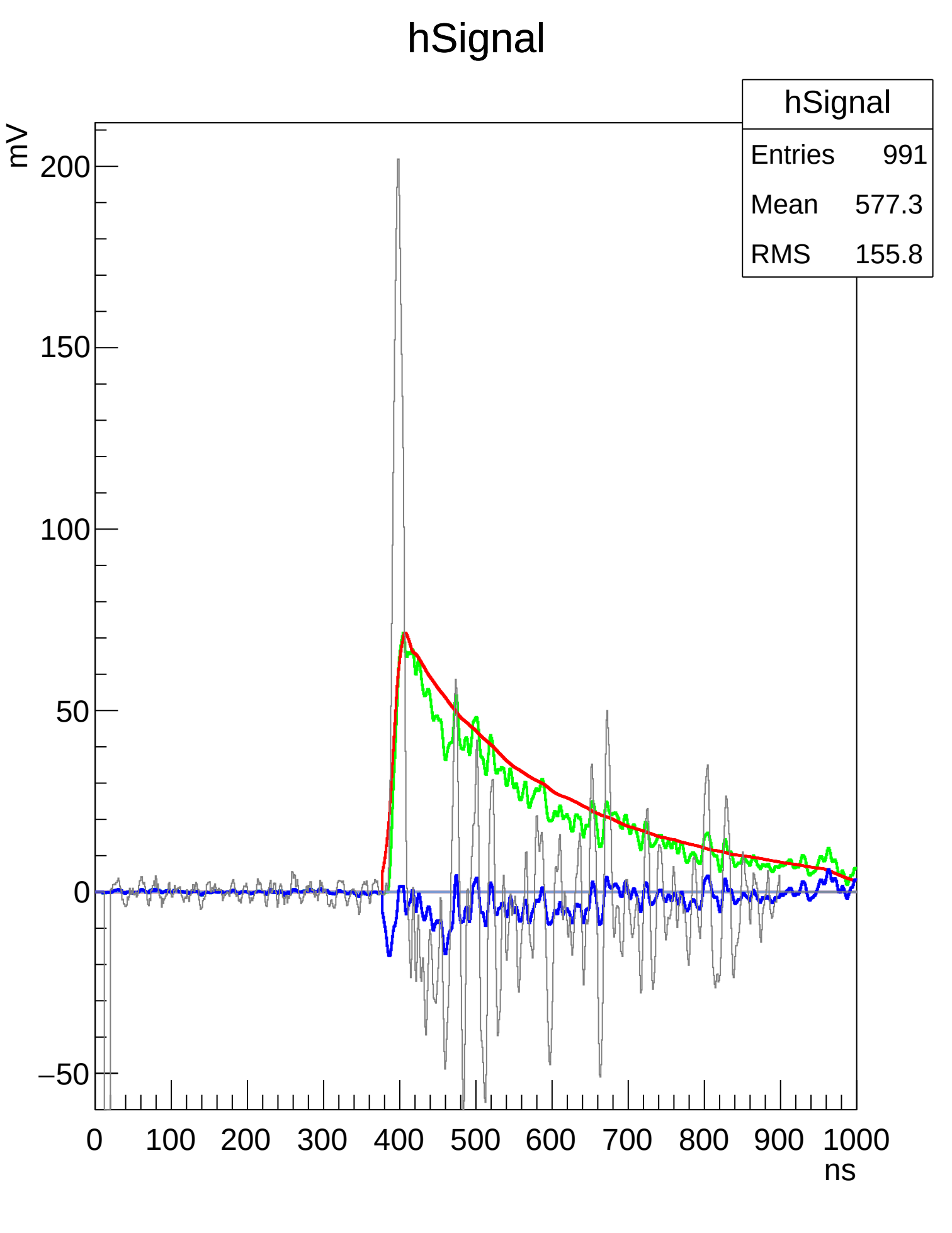
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.4
RMS 155.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.3
RMS 155.8
mV
200
150
100
50
0
−50
0
100
200
300
400
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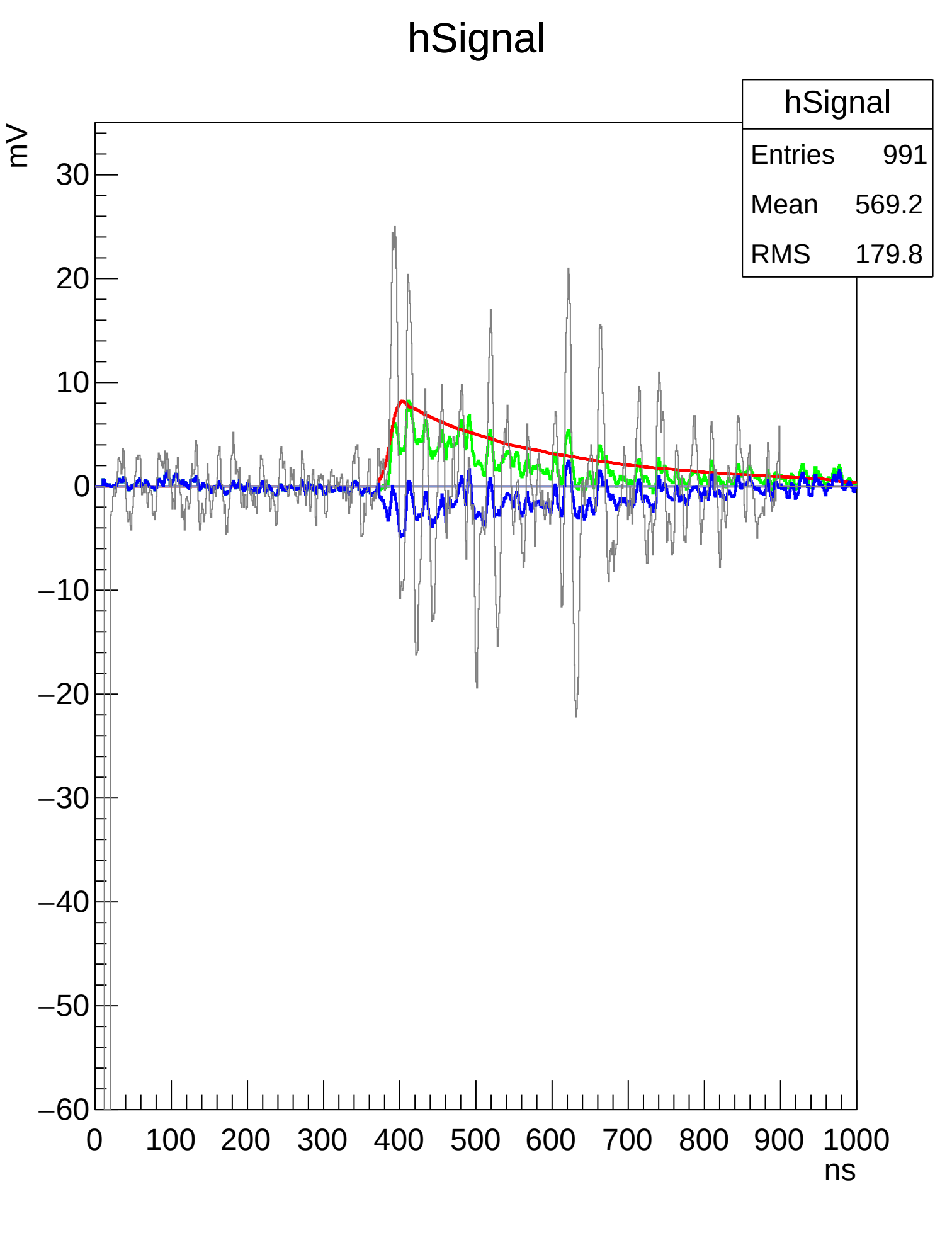
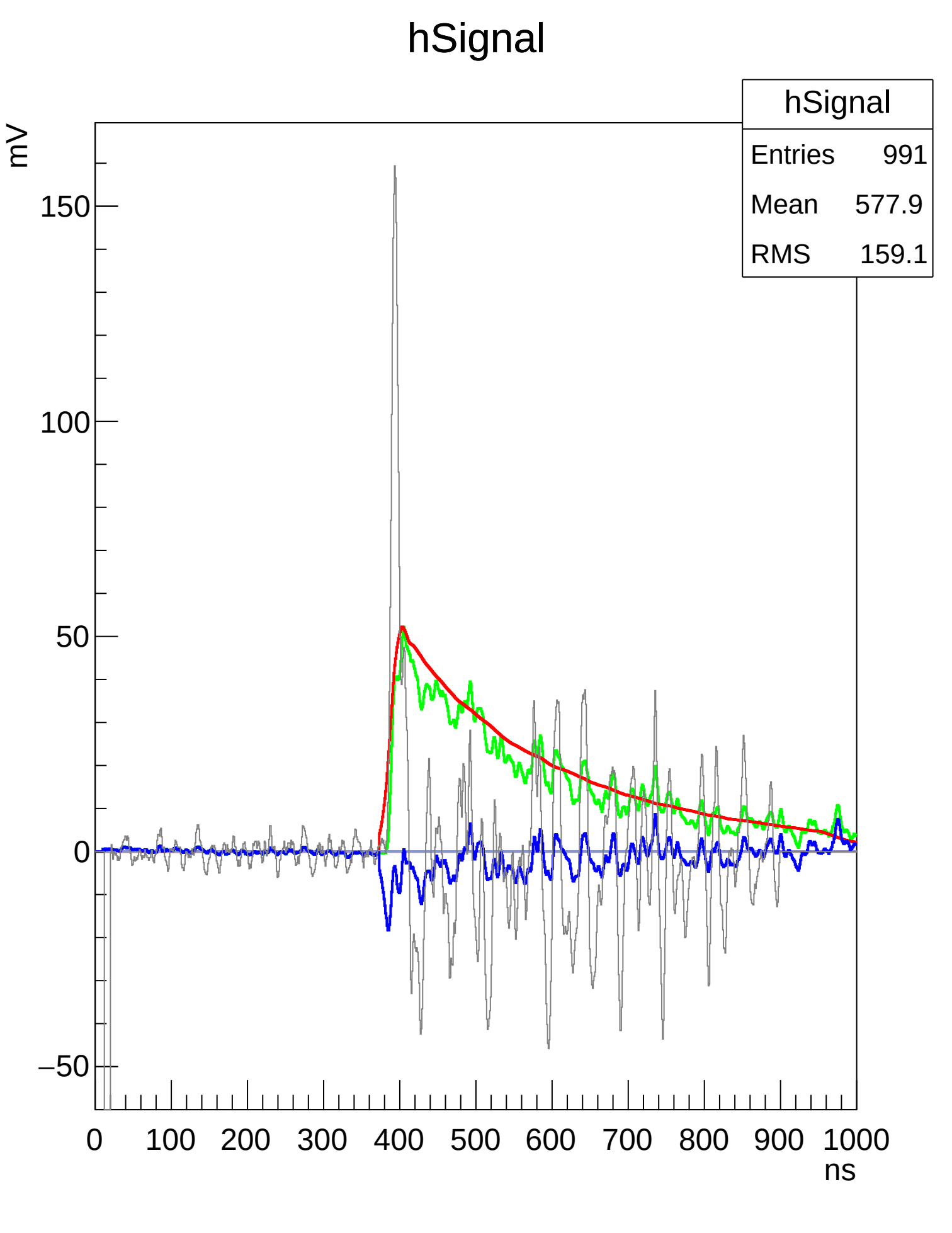
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.2
RMS 179.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.9
RMS 159.1
mV
150
100
50
0
−50
0
100
200
300
400
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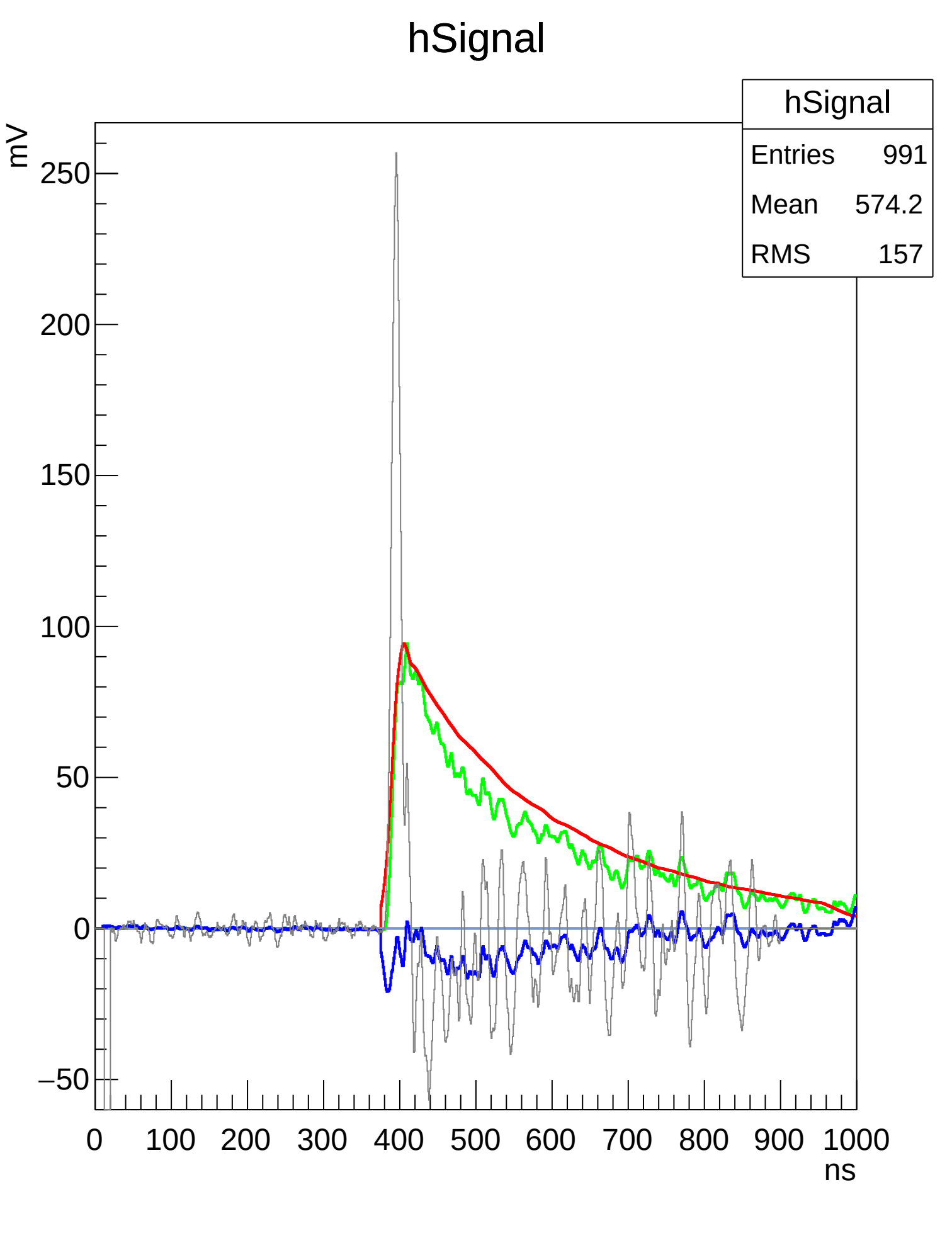
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.2
RMS 157
mV
250
200
150
100
50
0
−50
0
100
200
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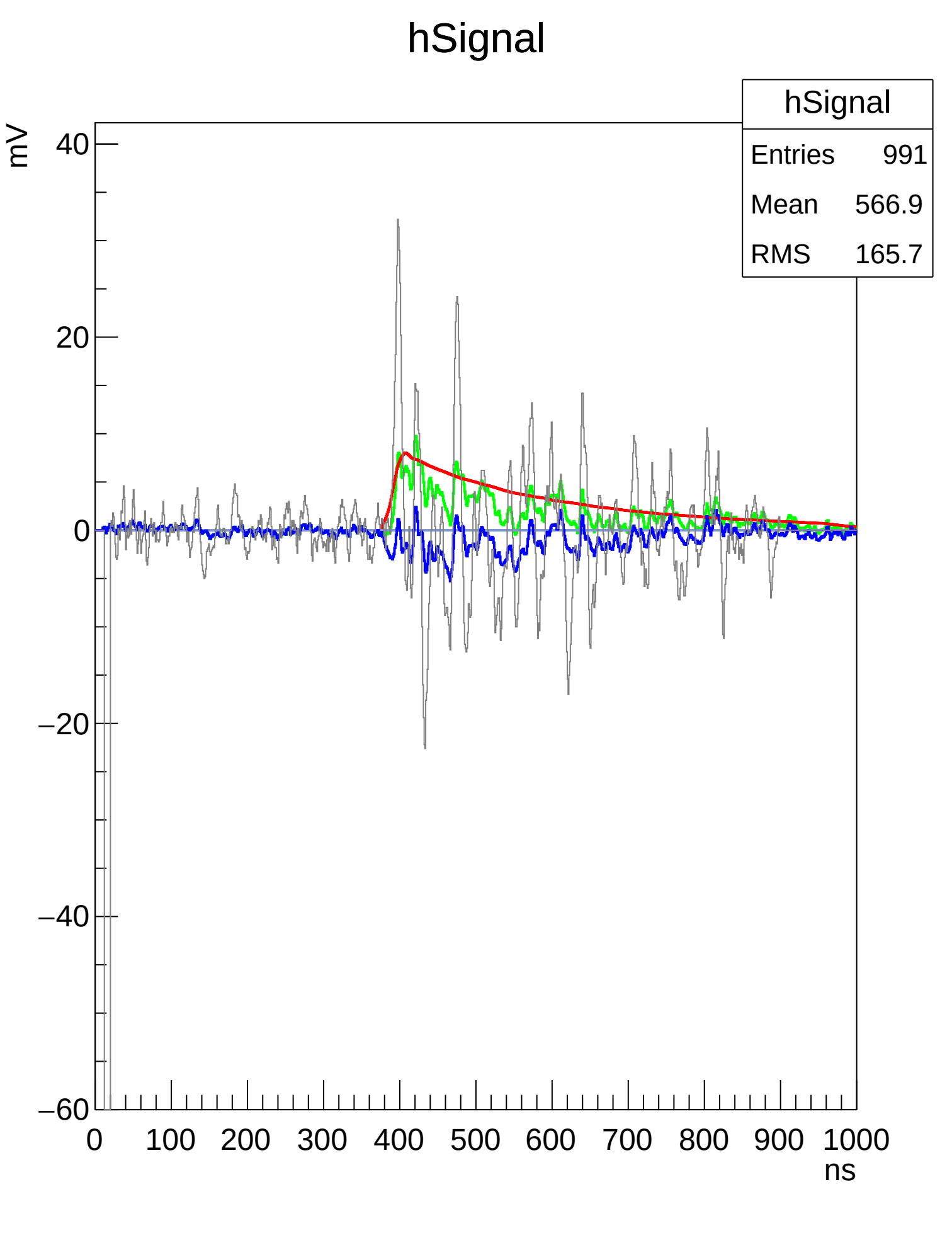
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 165.7
mV
40
20
0
−20
−40
−60
0
100
200
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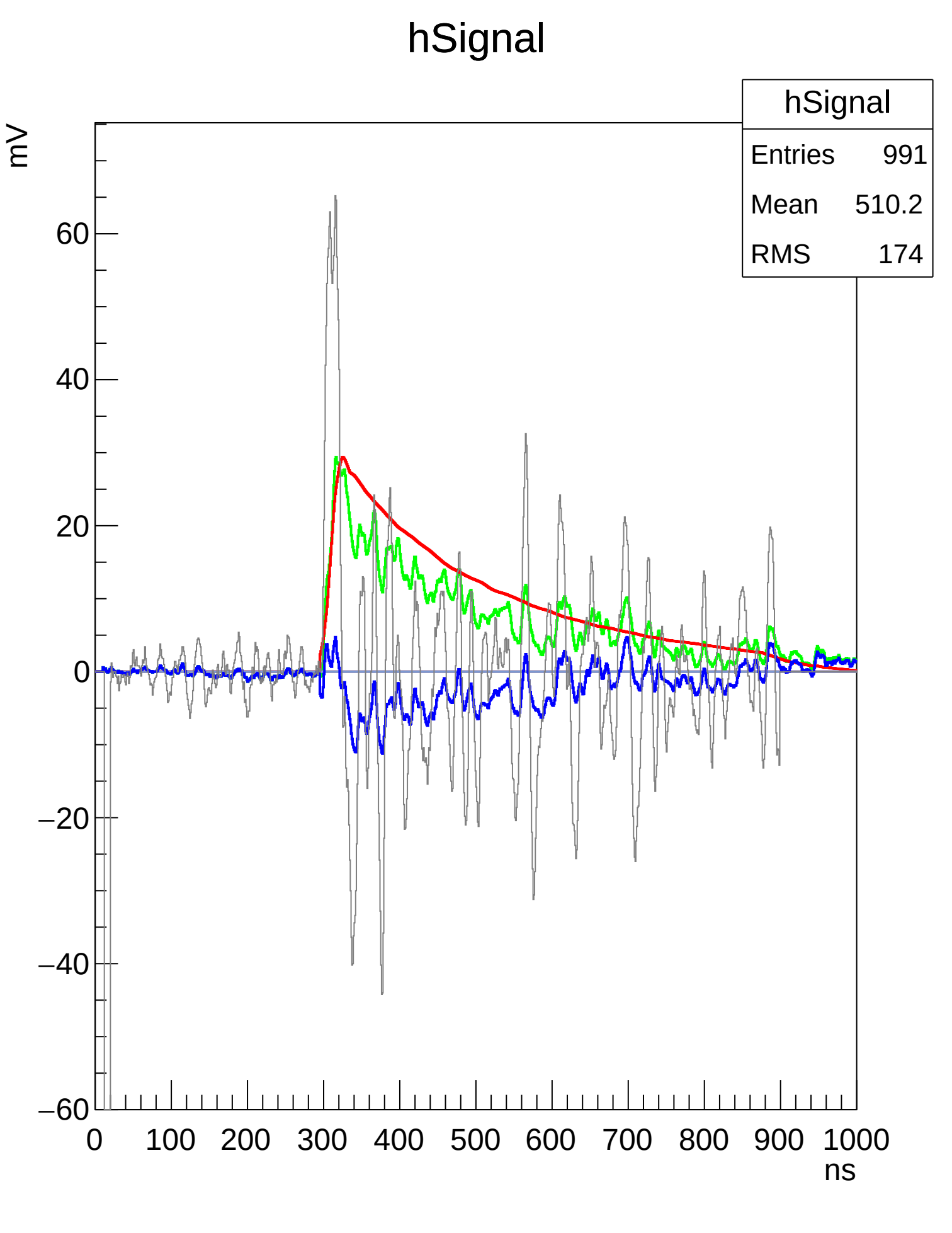
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.2
RMS 174
mV
60
40
20
0
−20
−40
−60
0
100
200
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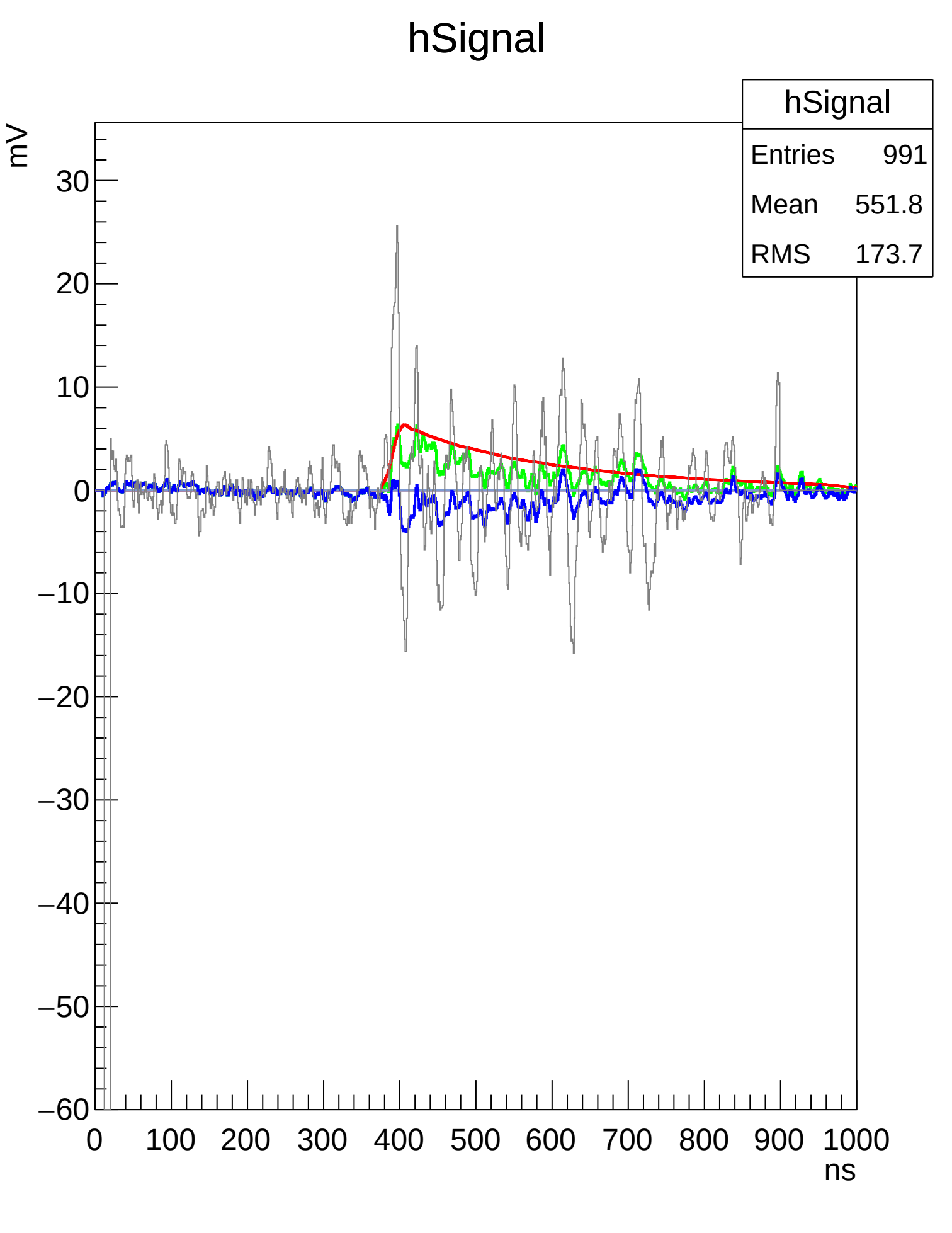
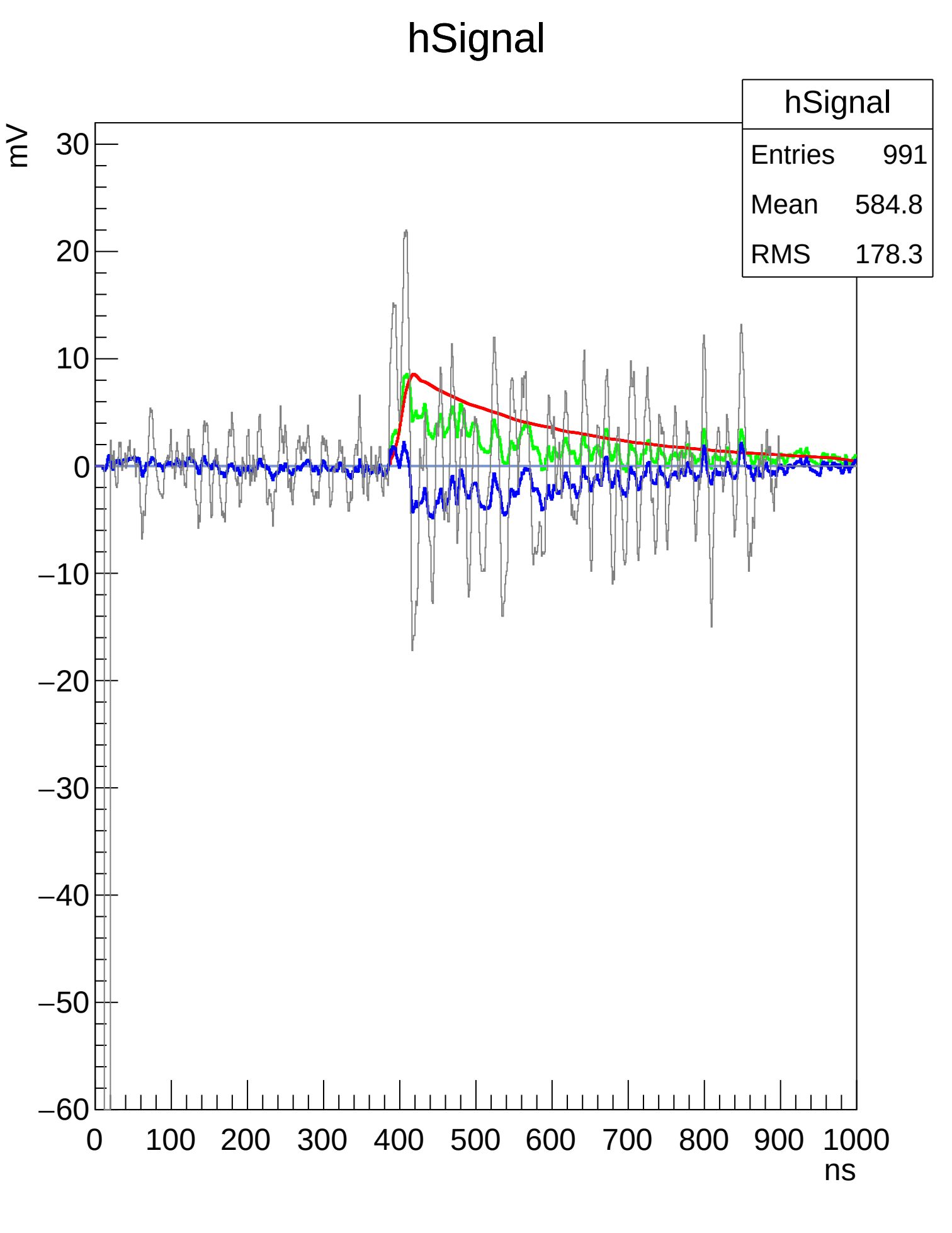
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.8
RMS 173.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.8
RMS 178.3
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
500
600
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800
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1000
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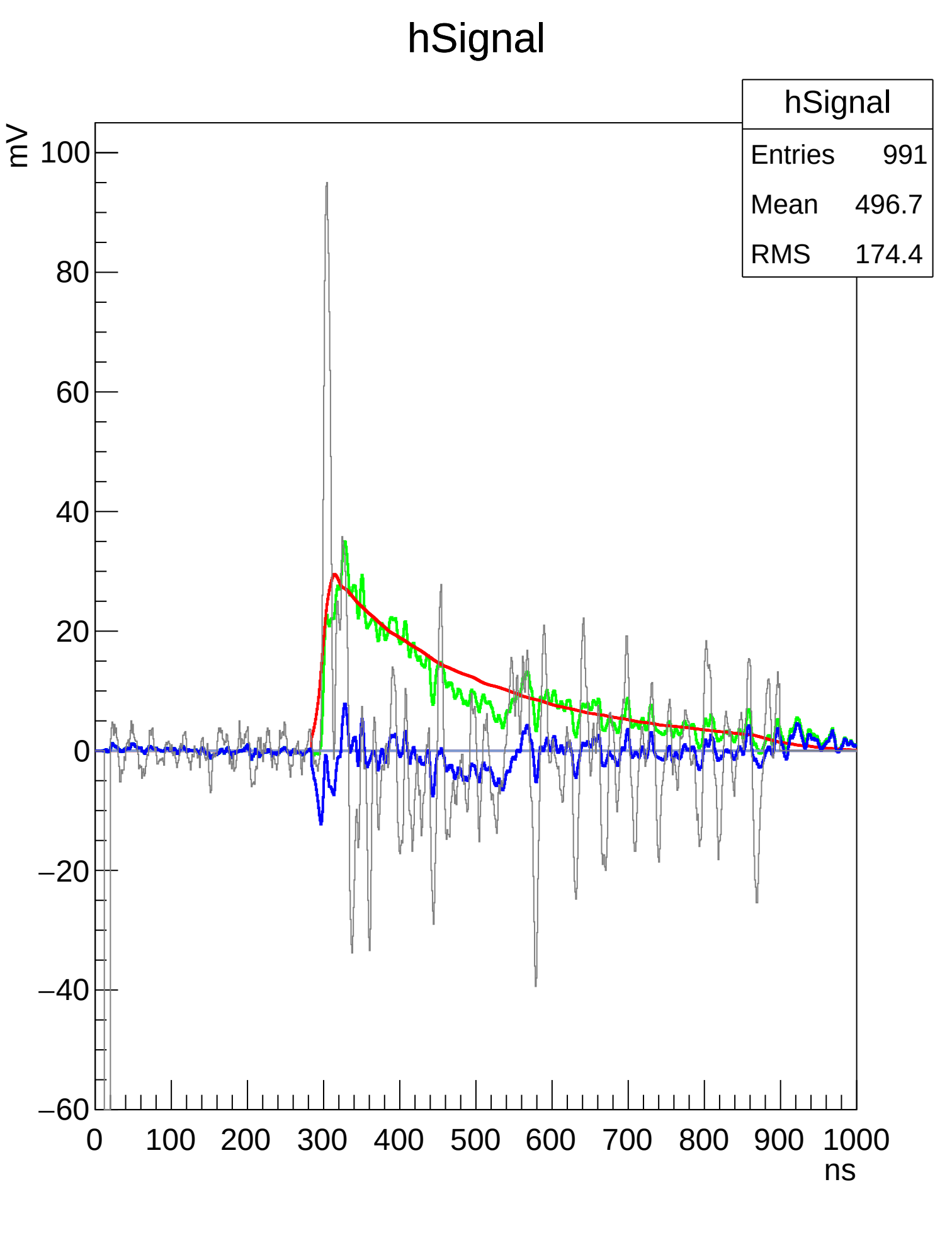
hSignal
hSignal
Entries 991
Mean 496.7
RMS 174.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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600
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1000
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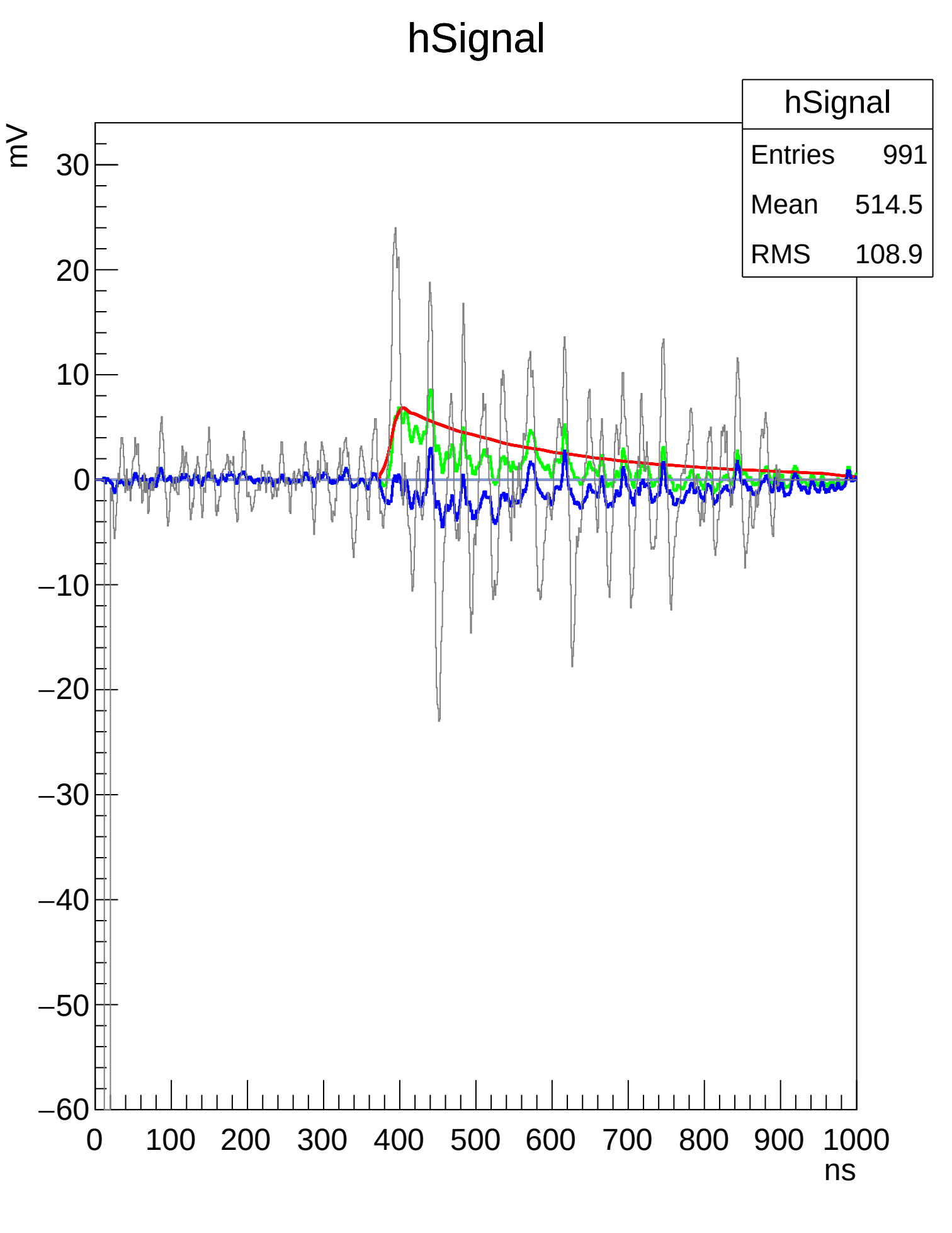
hSignal
hSignal
Entries 991
Mean 514.5
RMS 108.9
mV
30
20
10
0
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−50
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0
100
200
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1000
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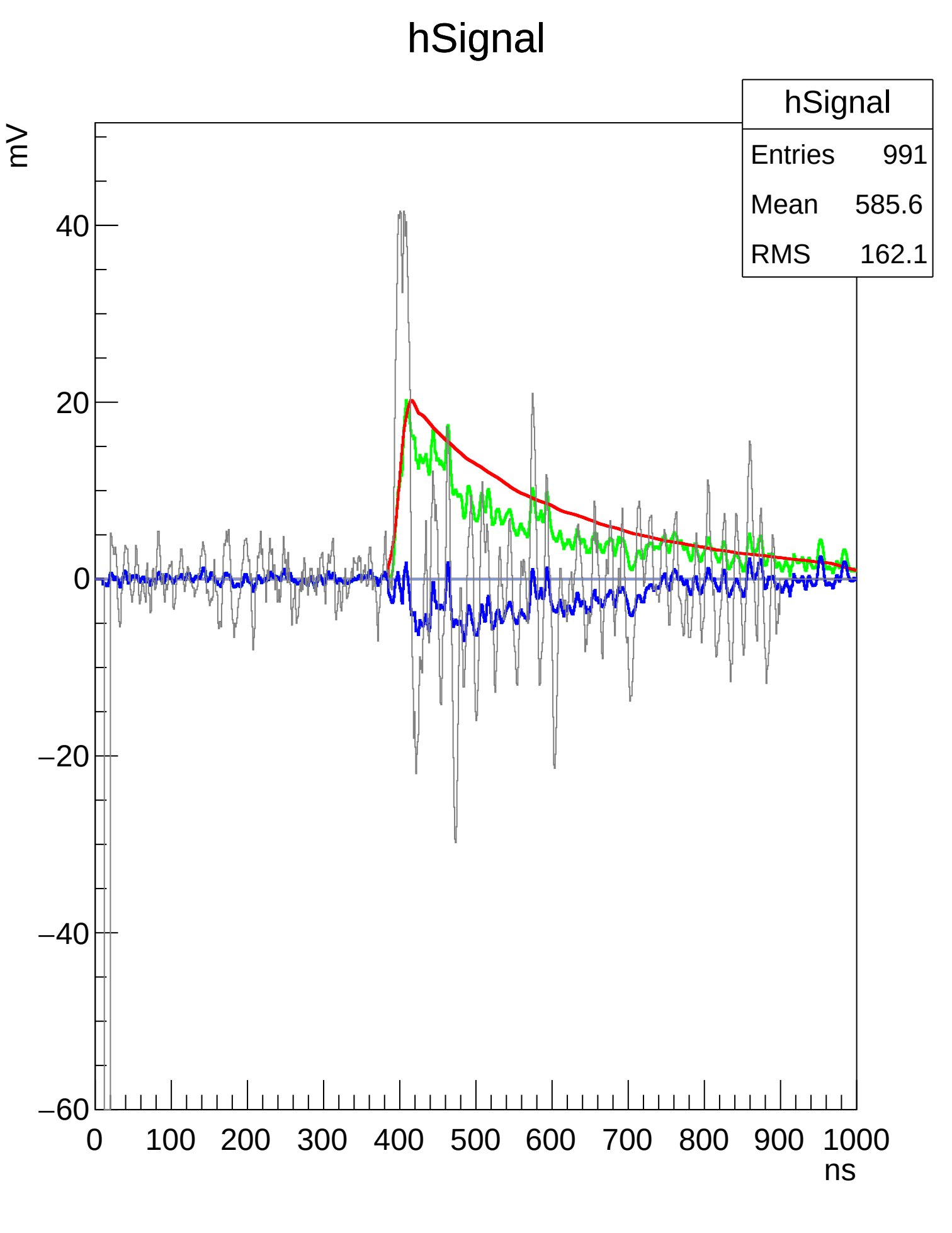
hSignal
hSignal
Entries 991
Mean 585.6
RMS 162.1
mV
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−20
−40
−60
0
100
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600
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800
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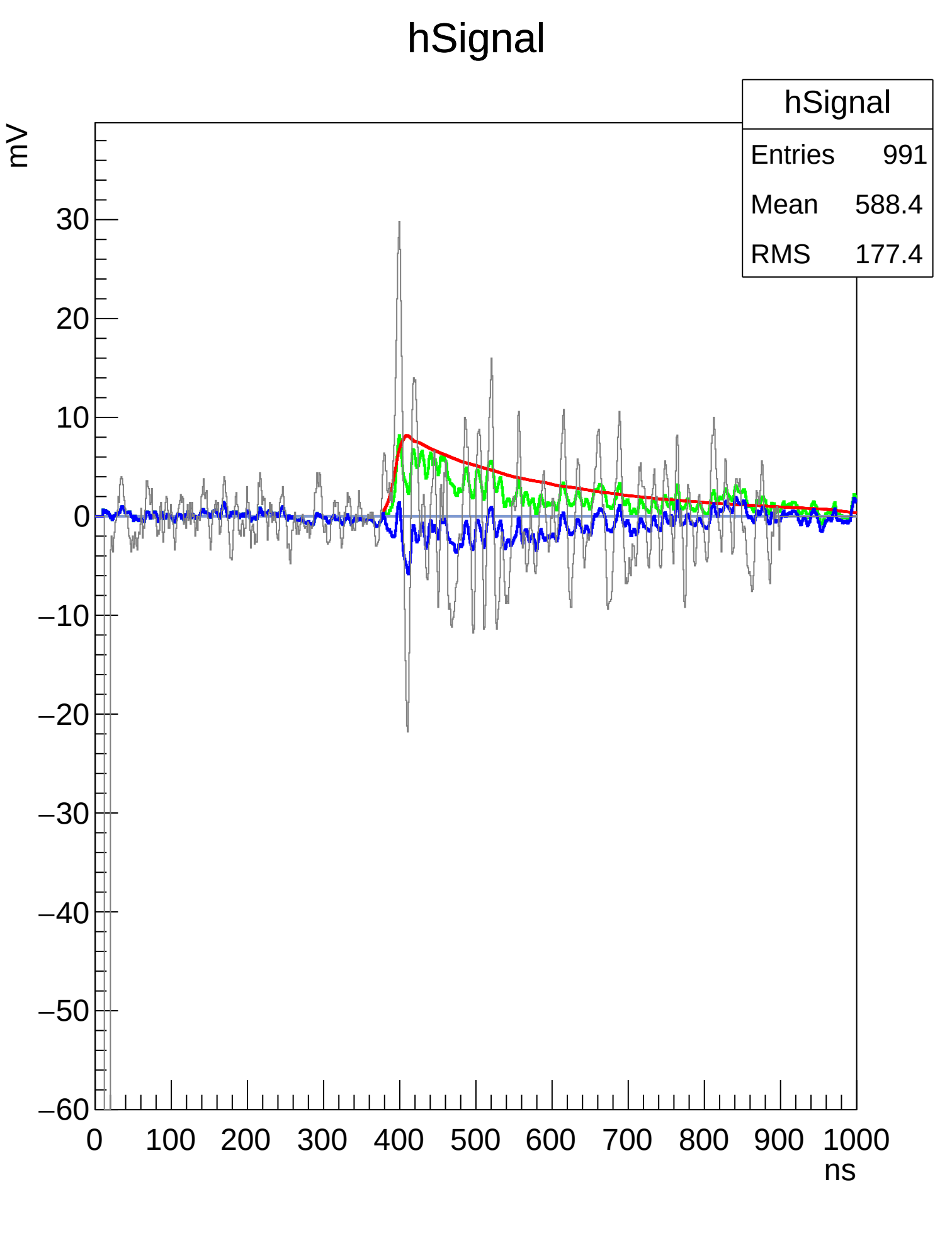
1000
ns


hSignal
hSignal
Entries 991
Mean 588.4
RMS 177.4
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
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600
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800
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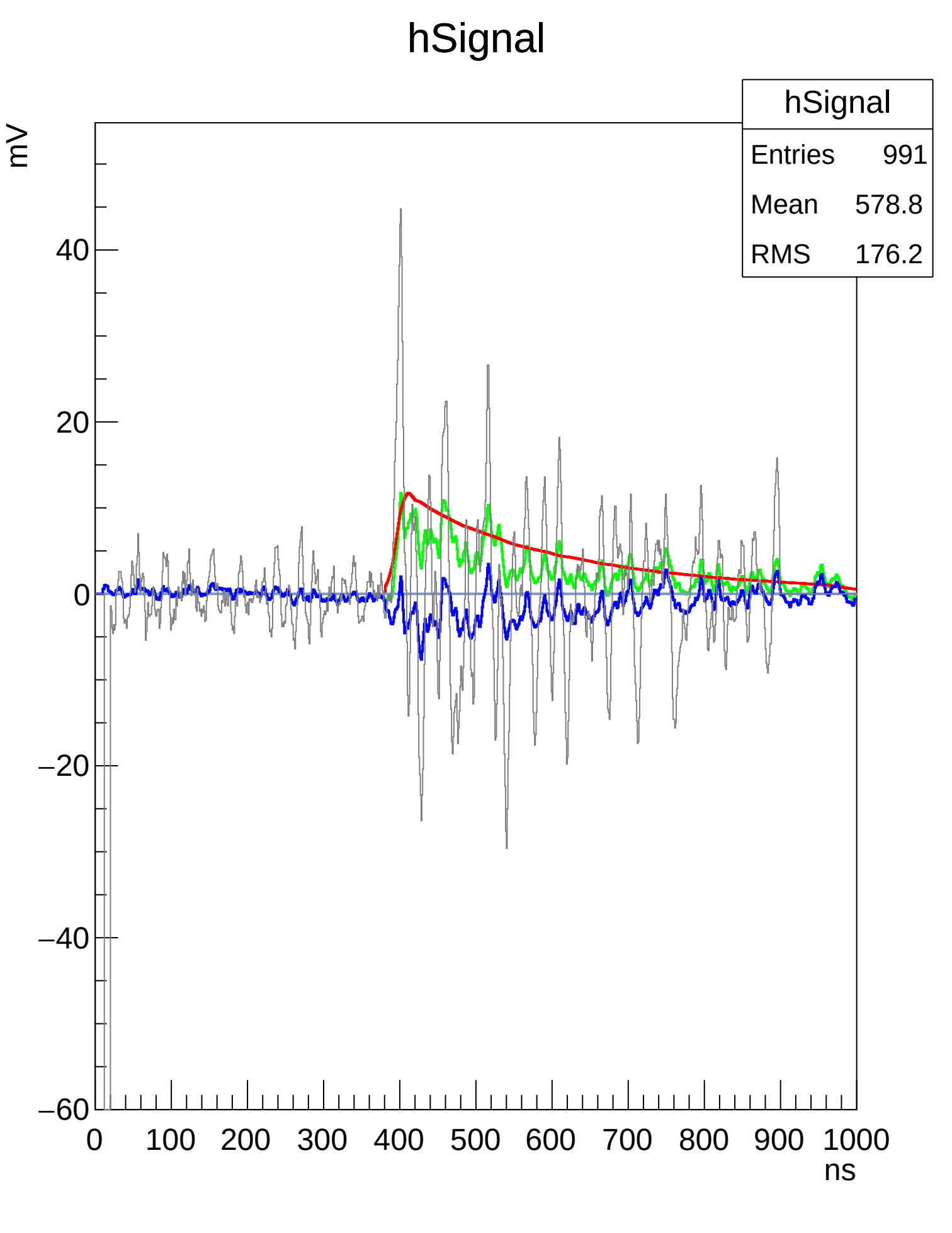
1000
ns


hSignal
hSignal
Entries 991
Mean 578.8
RMS 176.2
mV
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−20
−40
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0
100
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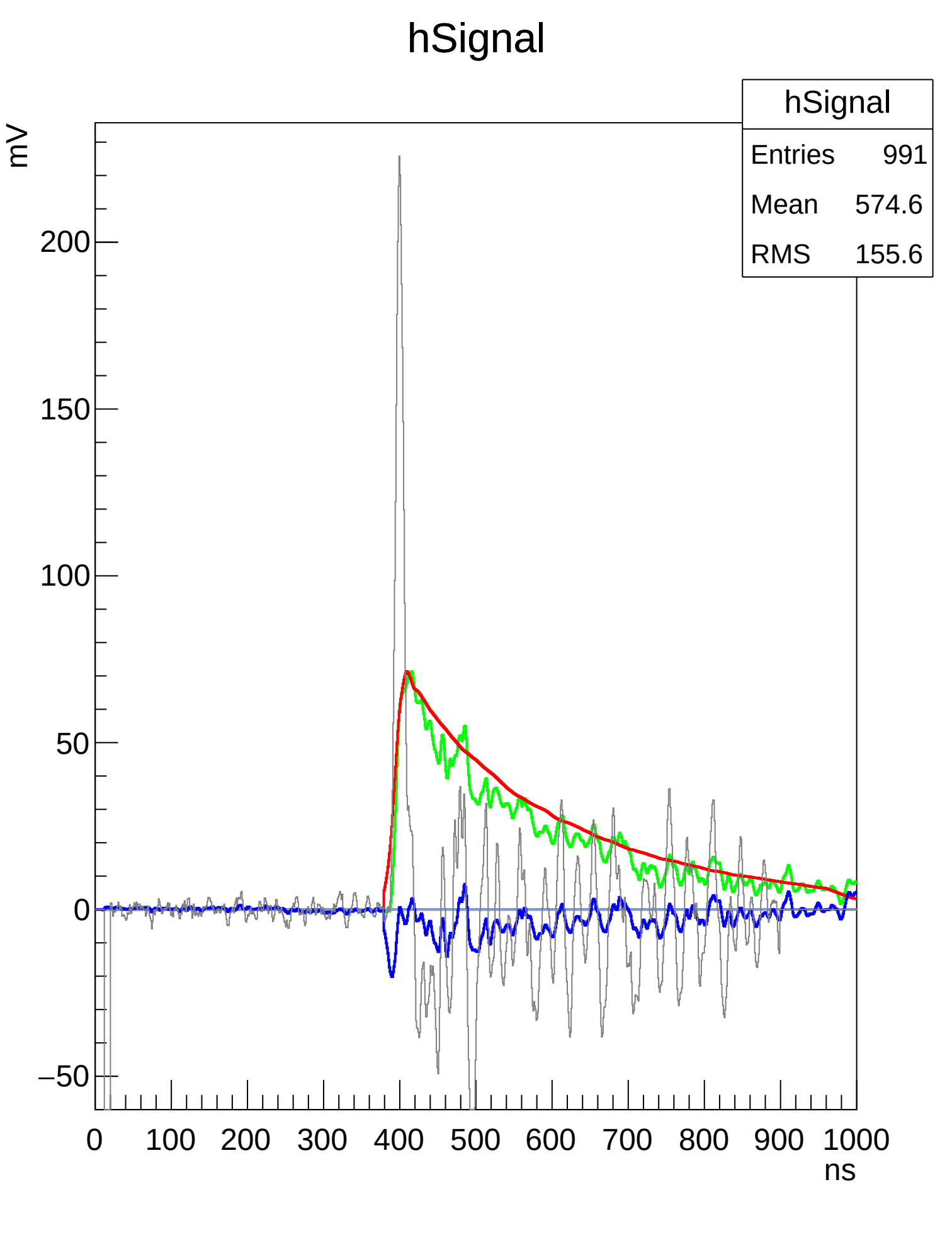
1000
ns


hSignal
hSignal
Entries 991
Mean 574.6
RMS 155.6
mV
200
150
100
50
0
−50
0
100
200
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400
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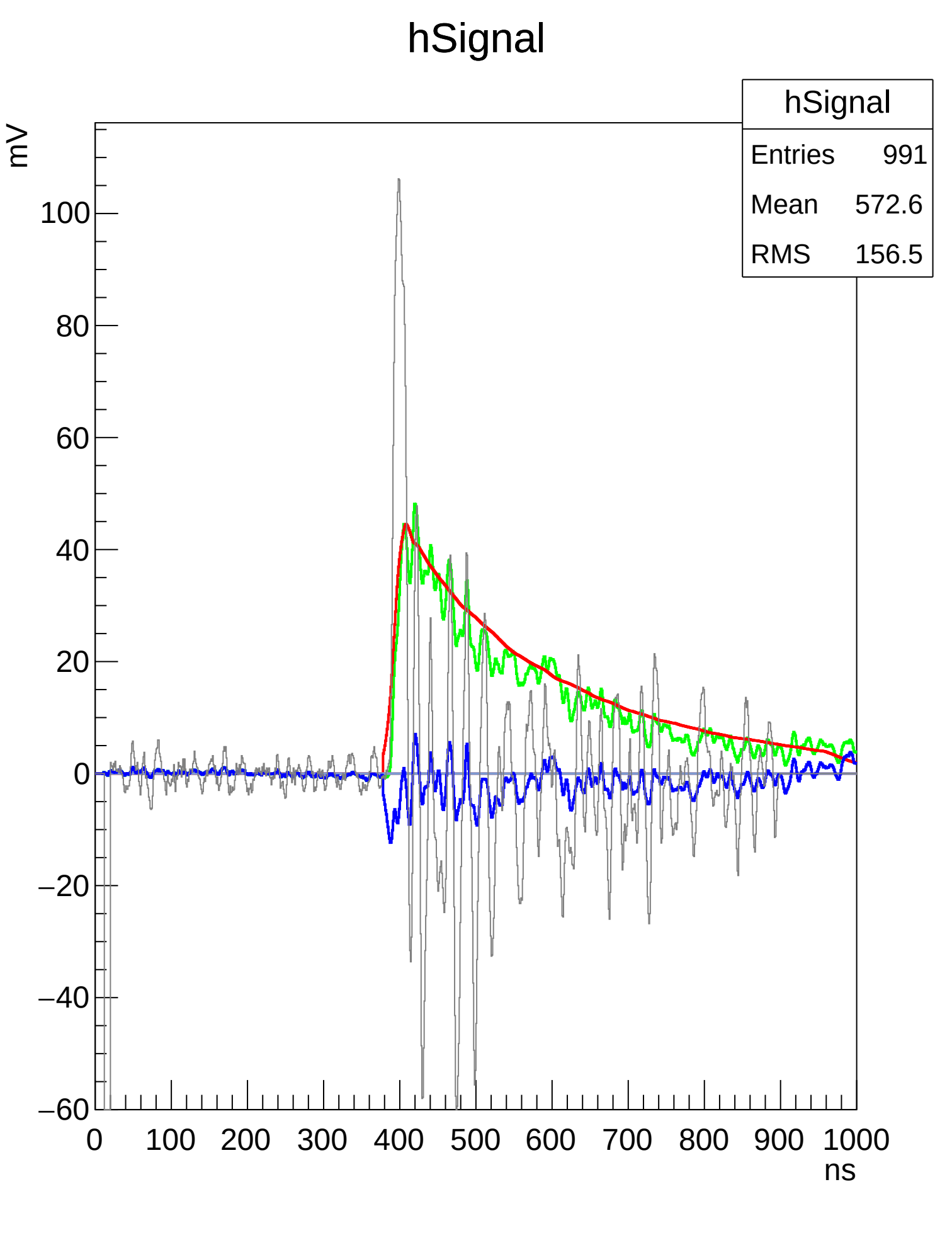
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.6
RMS 156.5
mV
100
80
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0
100
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400
500
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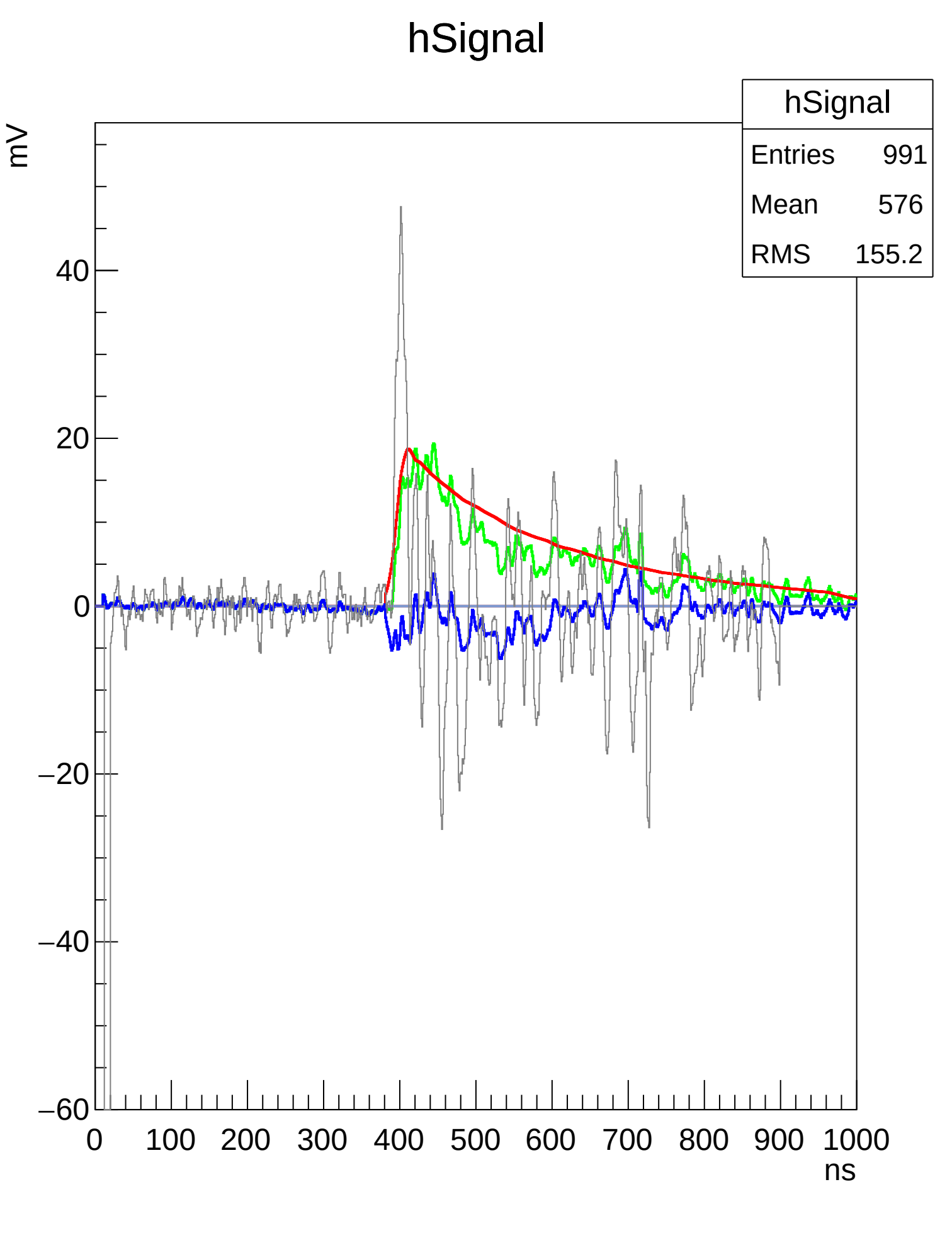
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576
RMS 155.2
mV
40
20
0
−20
−40
−60
0
100
200
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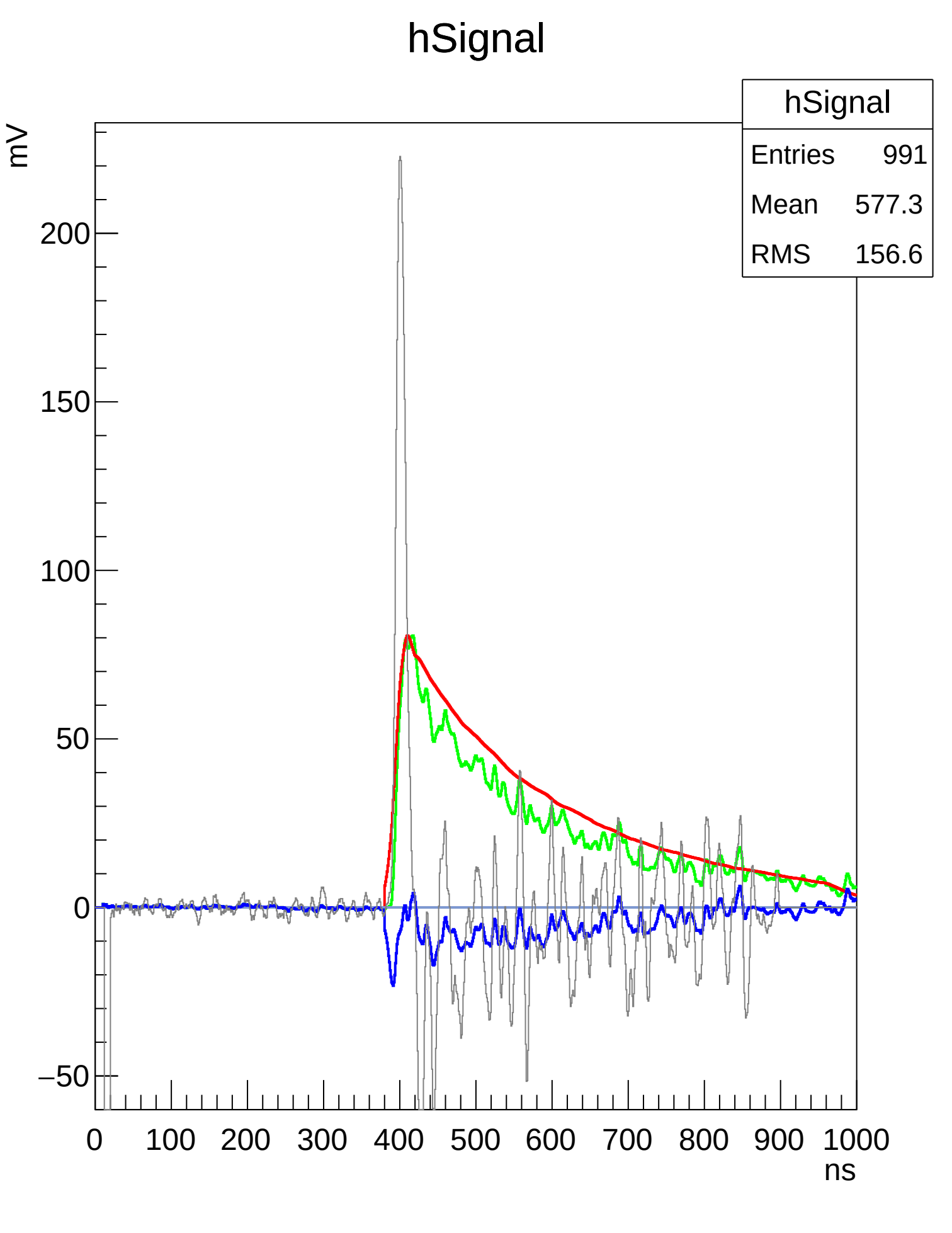
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.3
RMS 156.6
mV
200
150
100
50
0
−50
0
100
200
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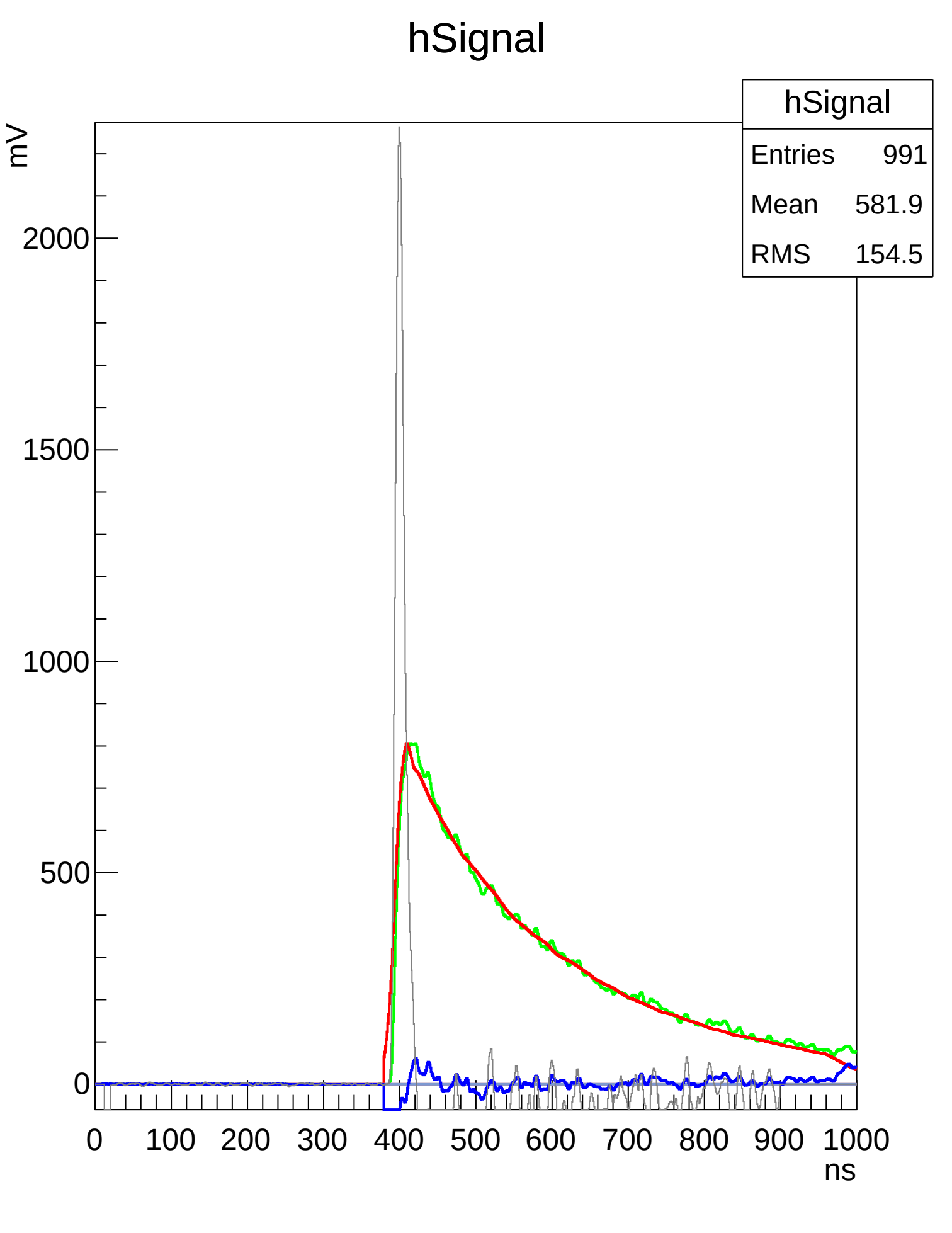
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.9
RMS 154.5
mV
2000
1500
1000
500
0
0
100
200
300
400
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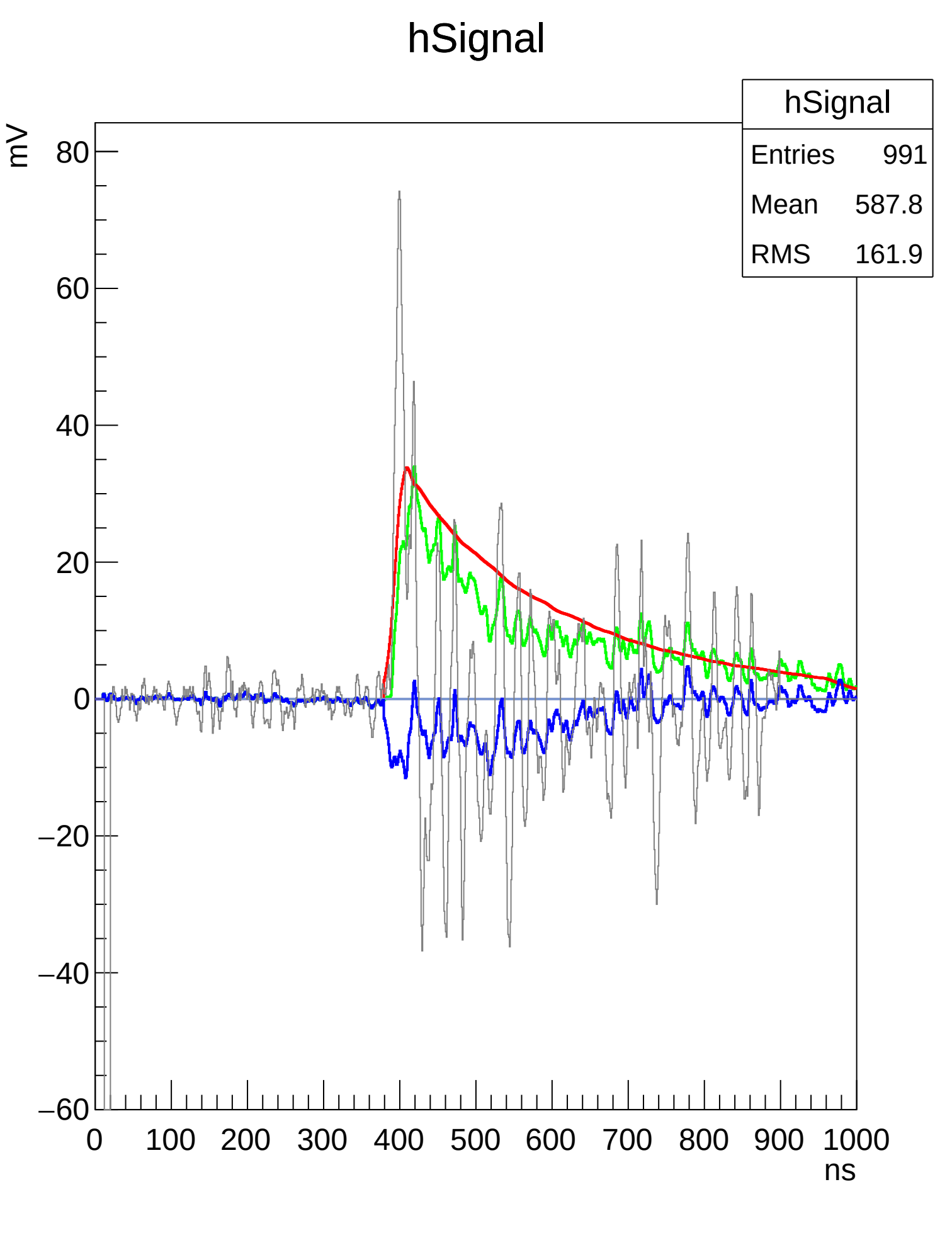
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 161.9
mV
80
60
40
20
0
−20
−40
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200
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400
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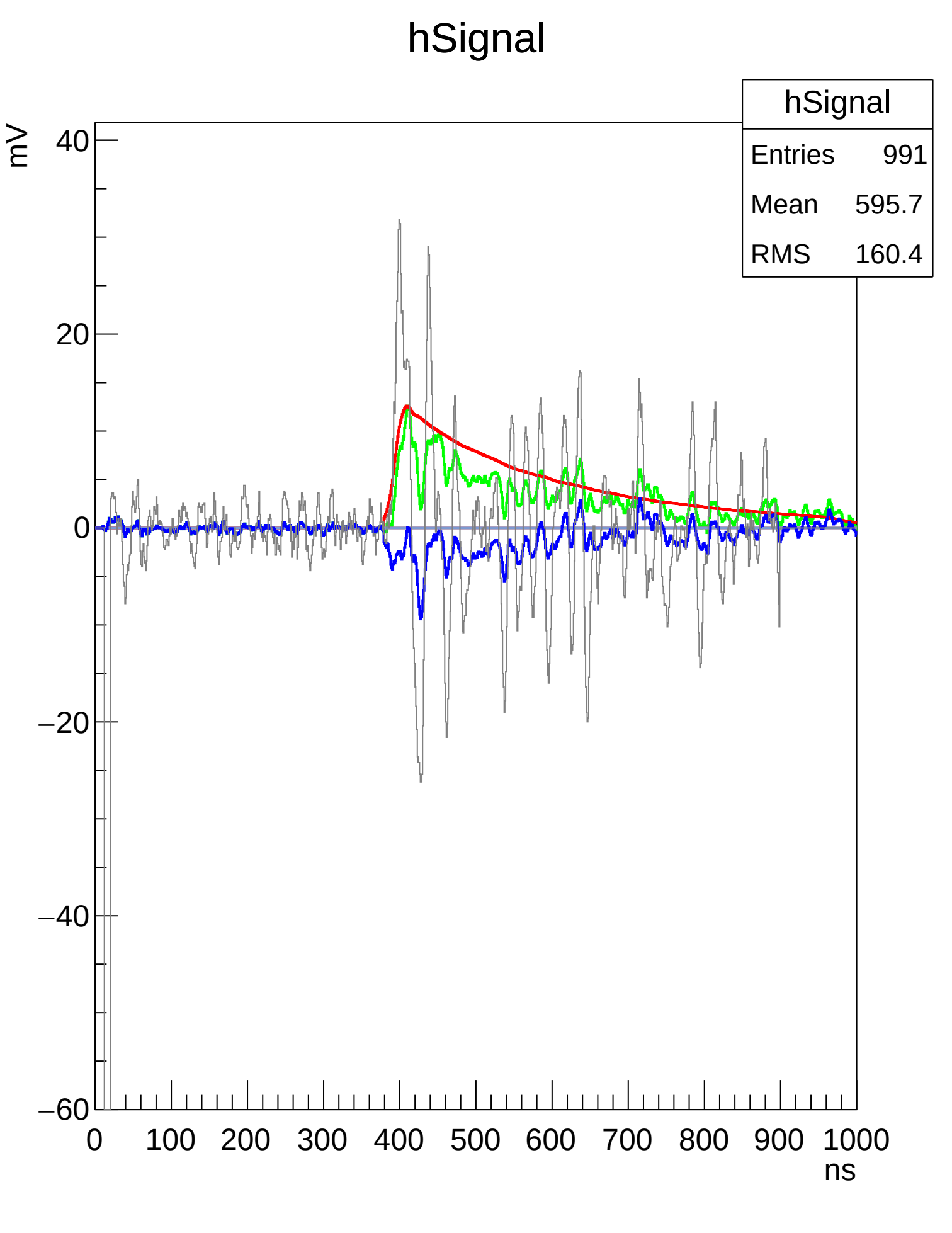
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.7
RMS 160.4
mV
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20
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−20
−40
−60
0
100
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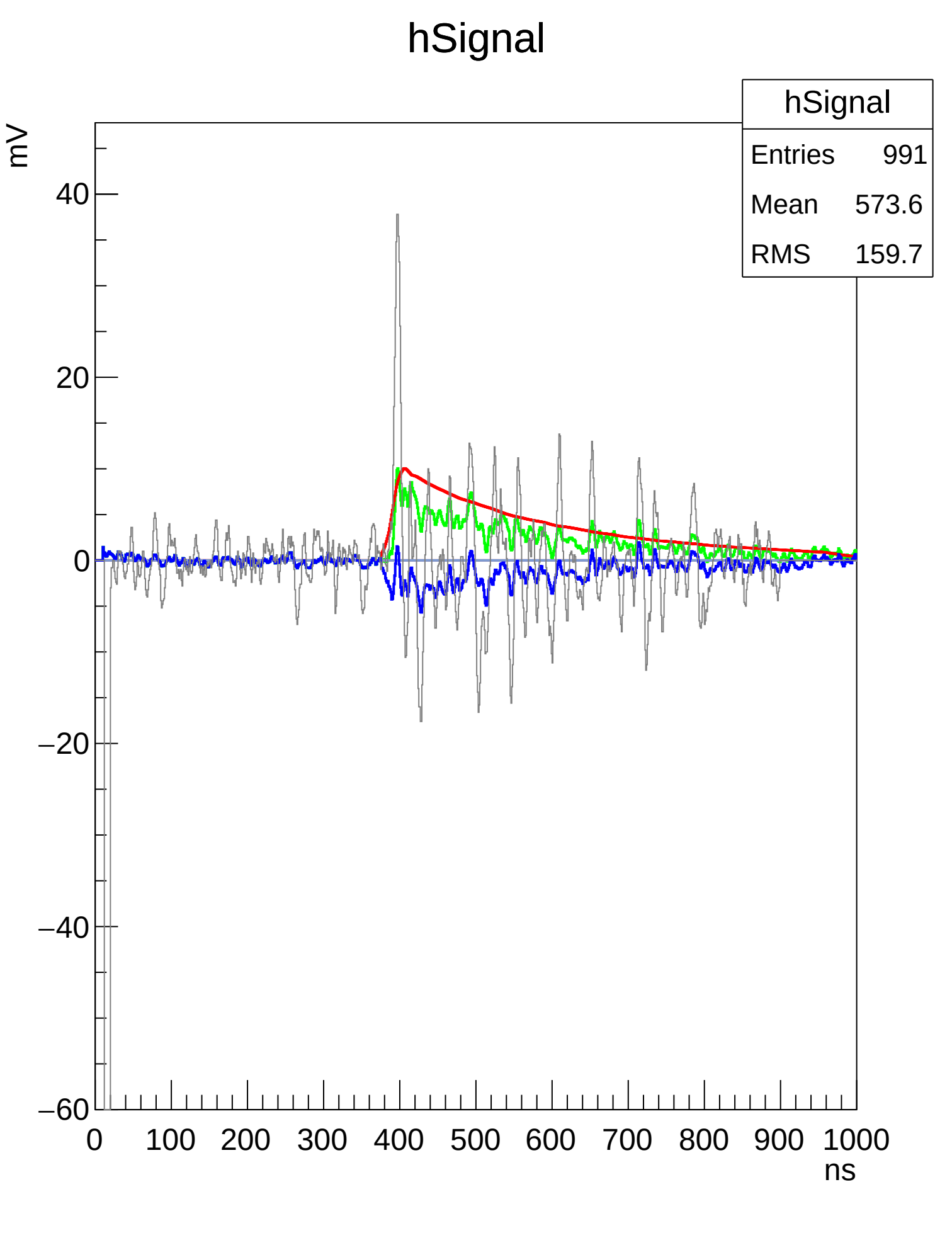
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.6
RMS 159.7
mV
40
20
0
−20
−40
−60
0
100
200
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400
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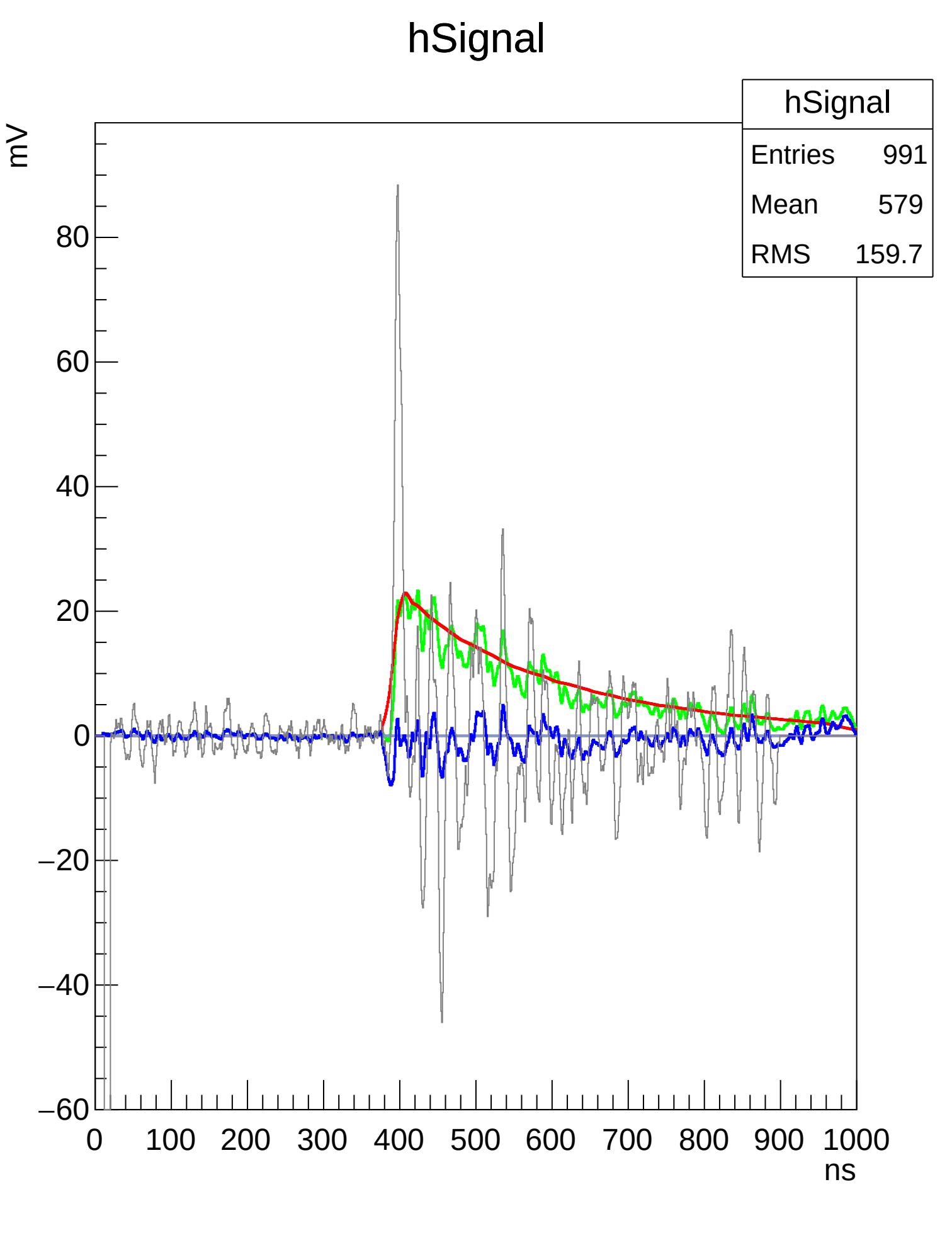
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579
RMS 159.7
mV
80
60
40
20
0
−20
−40
−60
0
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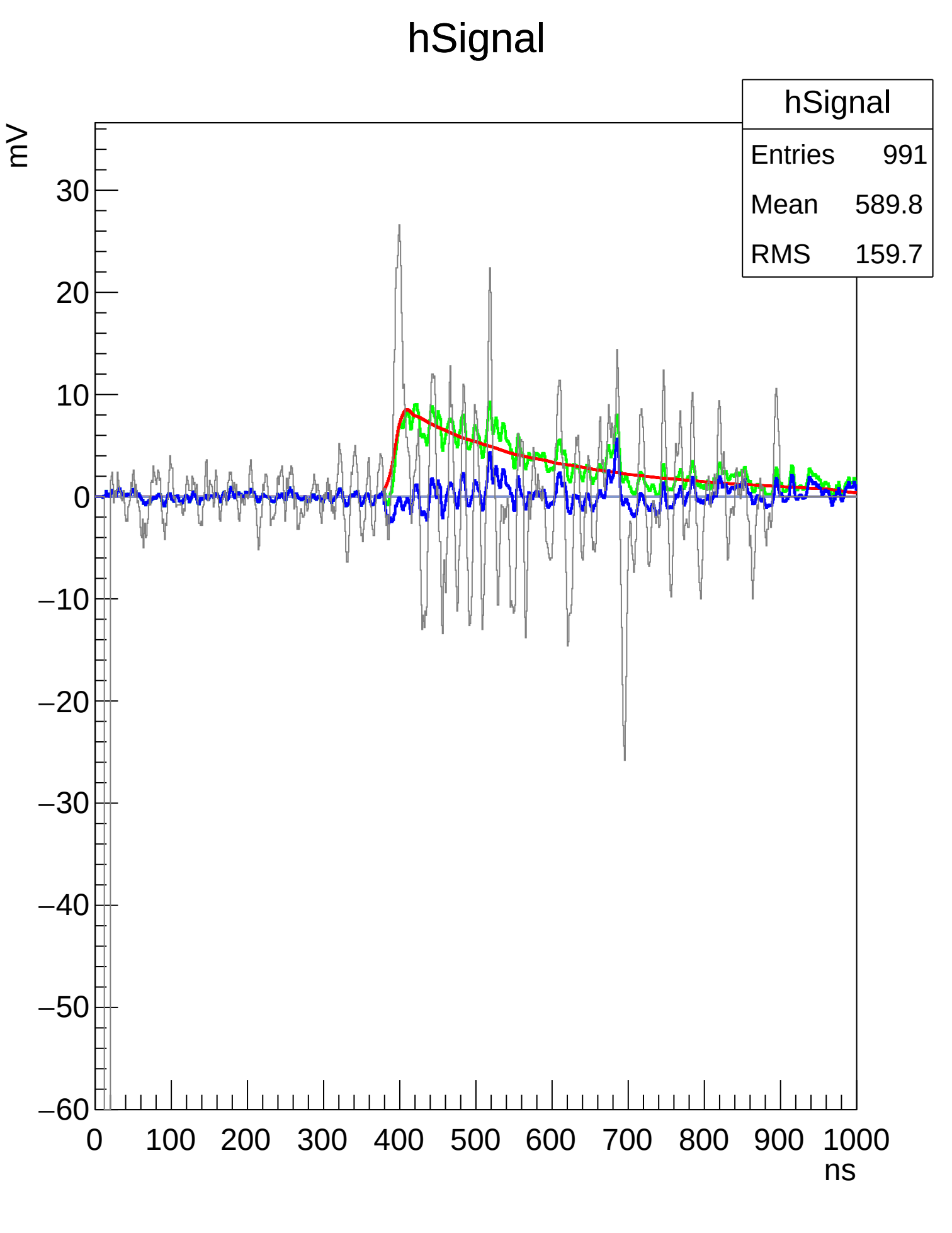
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.8
RMS 159.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
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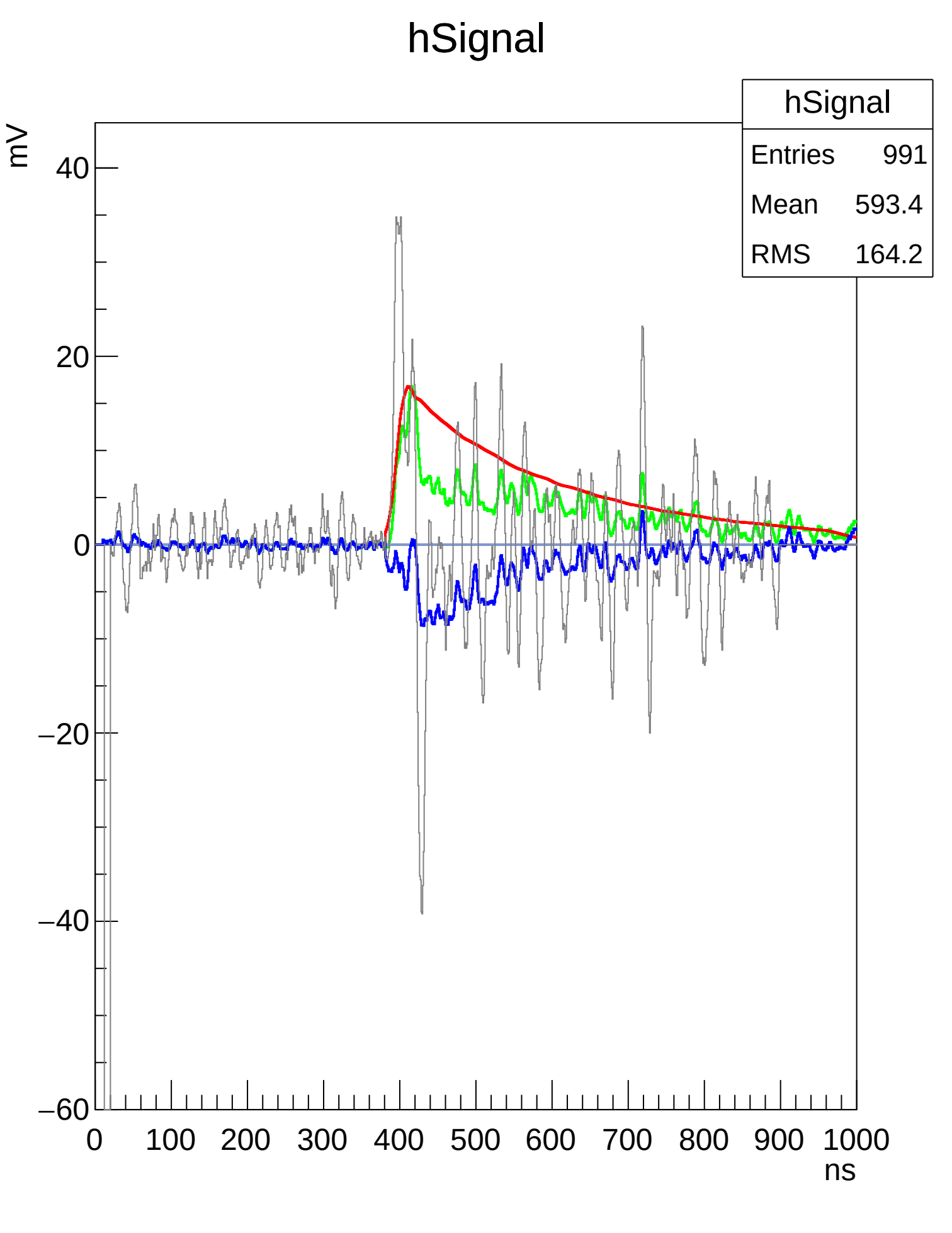
hSignal
hSignal
Entries 991
Mean 593.4
RMS 164.2
mV
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−20
−40
−60
0
100
200
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400
500
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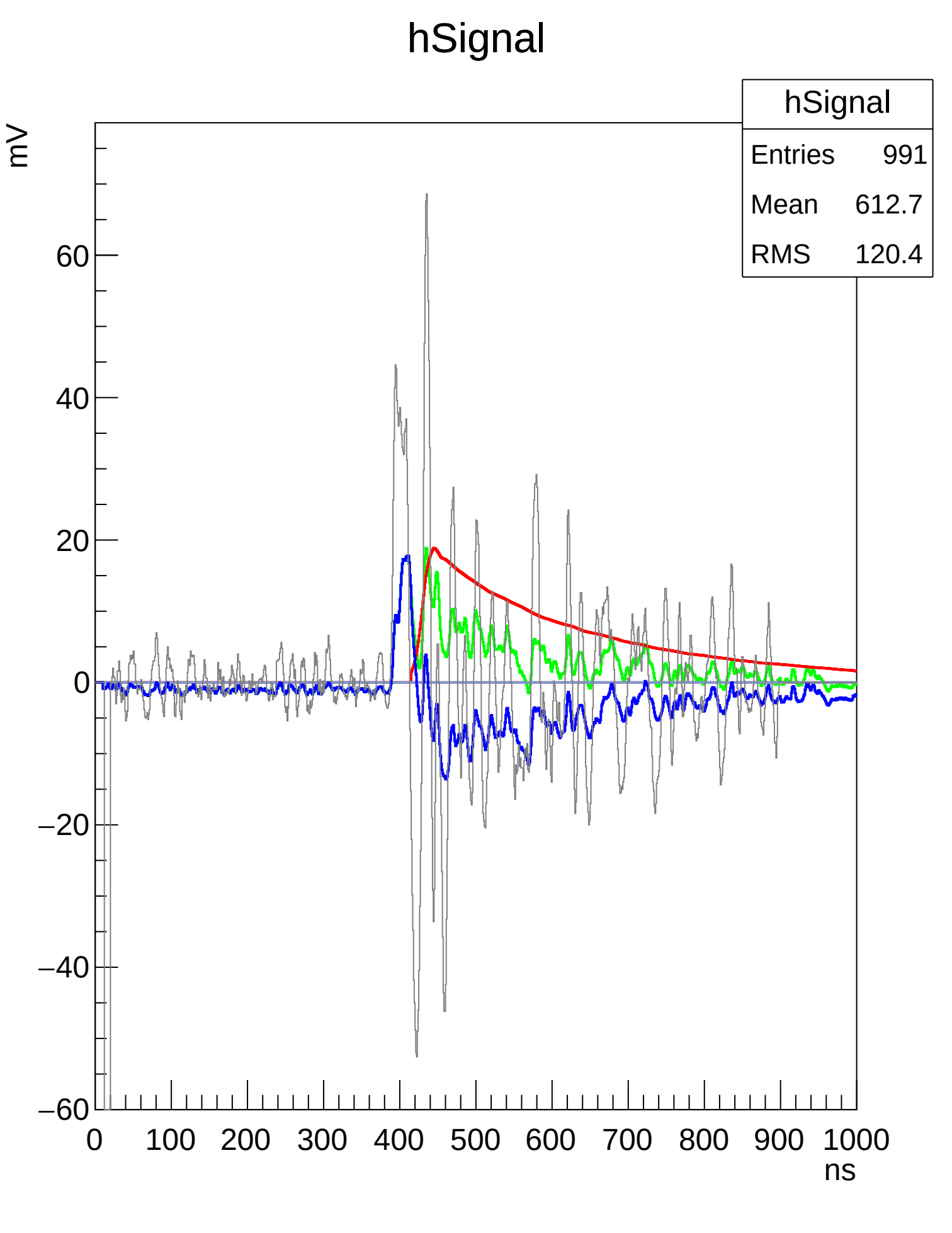
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.7
RMS 120.4
mV
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−20
−40
−60
0
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400
500
600
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800
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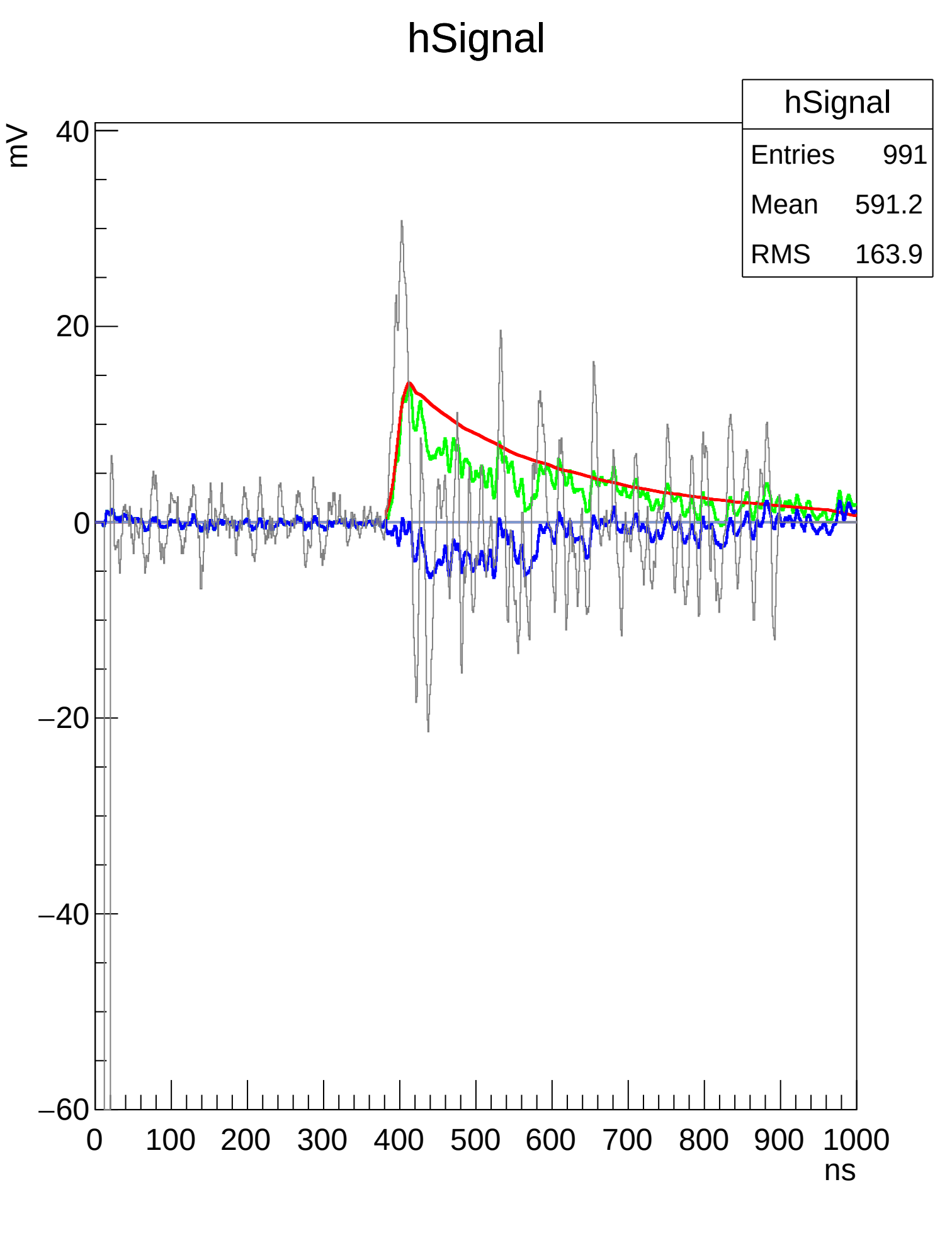
1000
ns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hSignal
Entries 991
Mean 591.2
RMS 163.9
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−40
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0
100
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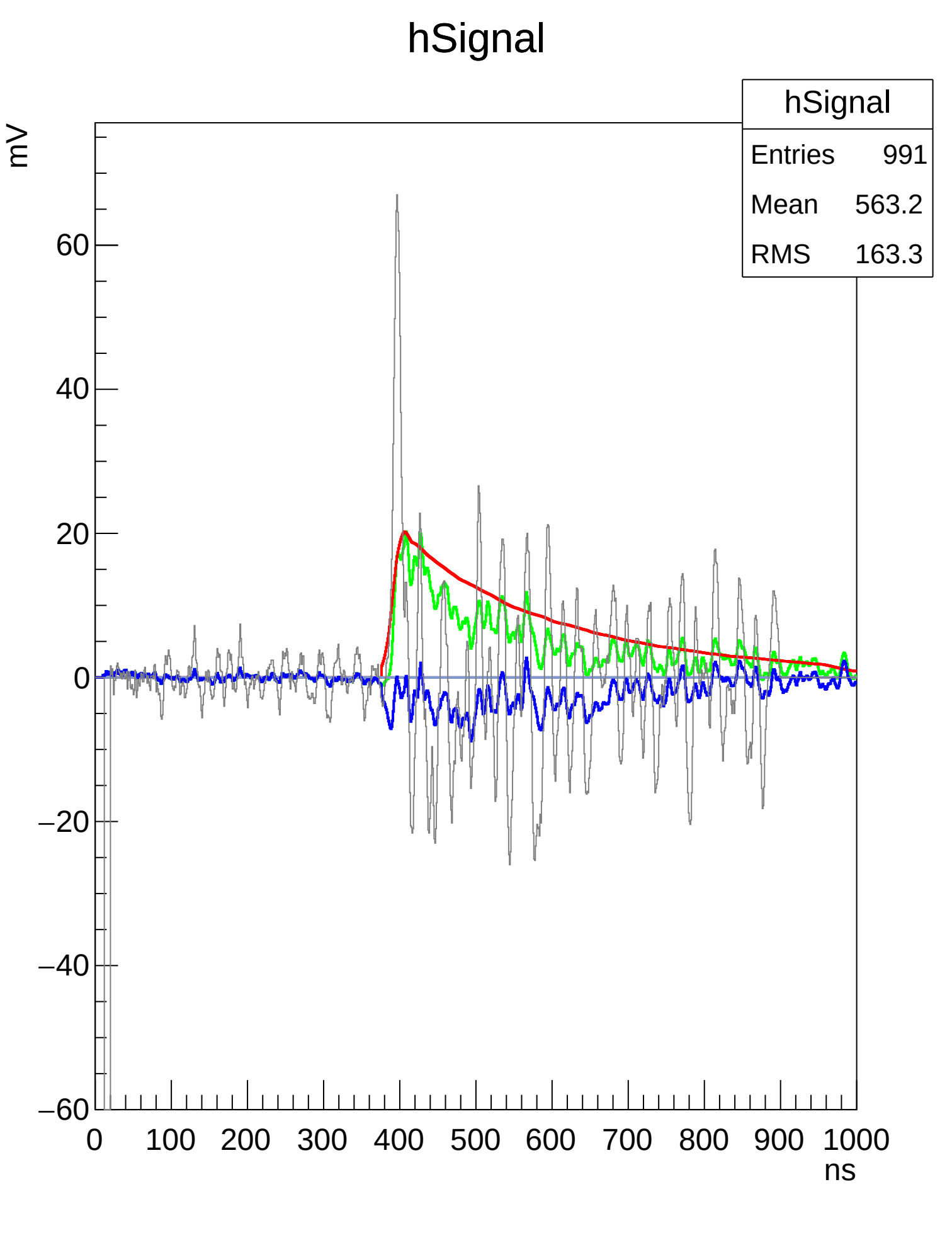
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.2
RMS 163.3
mV
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0
−20
−40
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0
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200
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400
500
600
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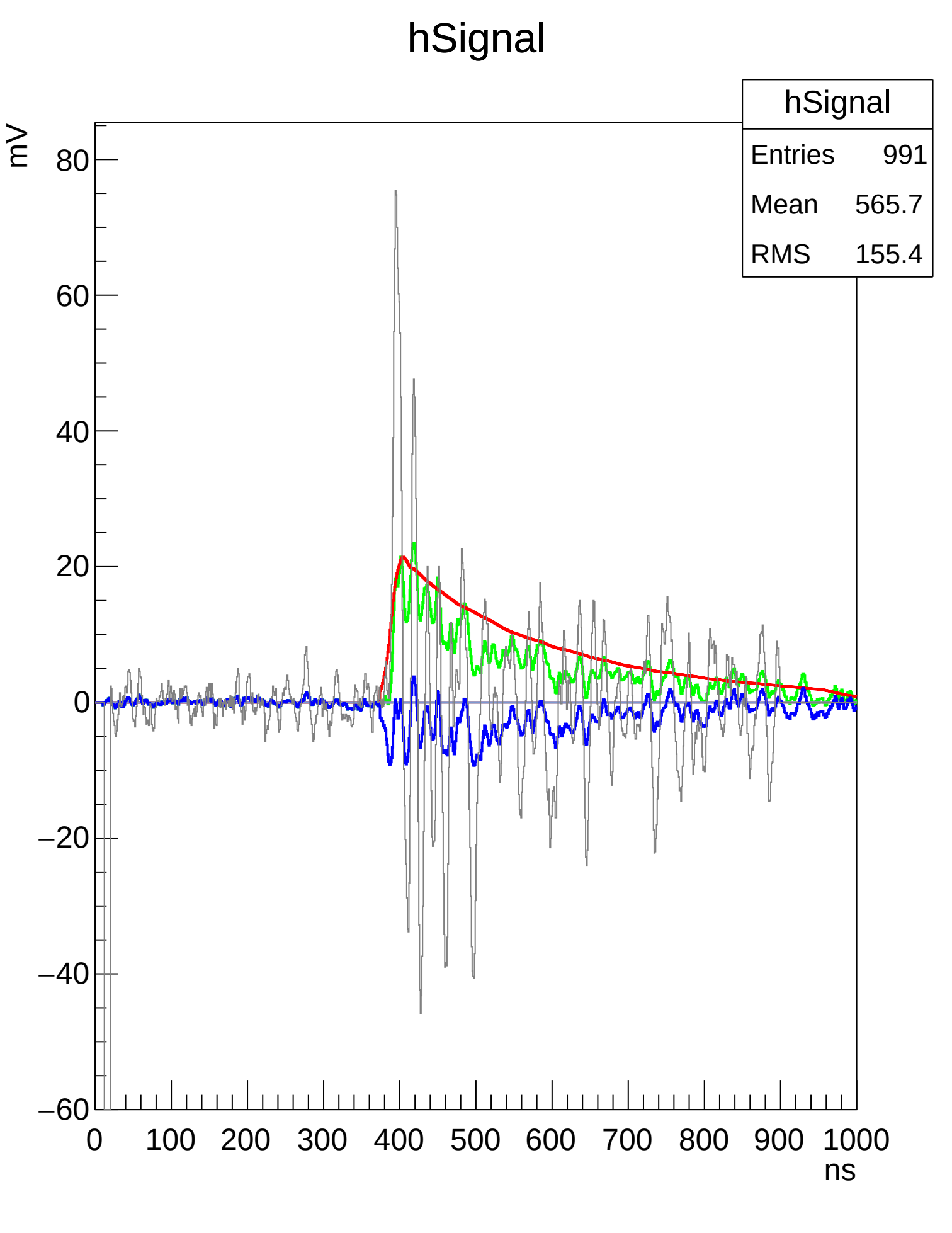
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.7
RMS 155.4
mV
80
60
40
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−20
−40
−60
0
100
200
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400
500
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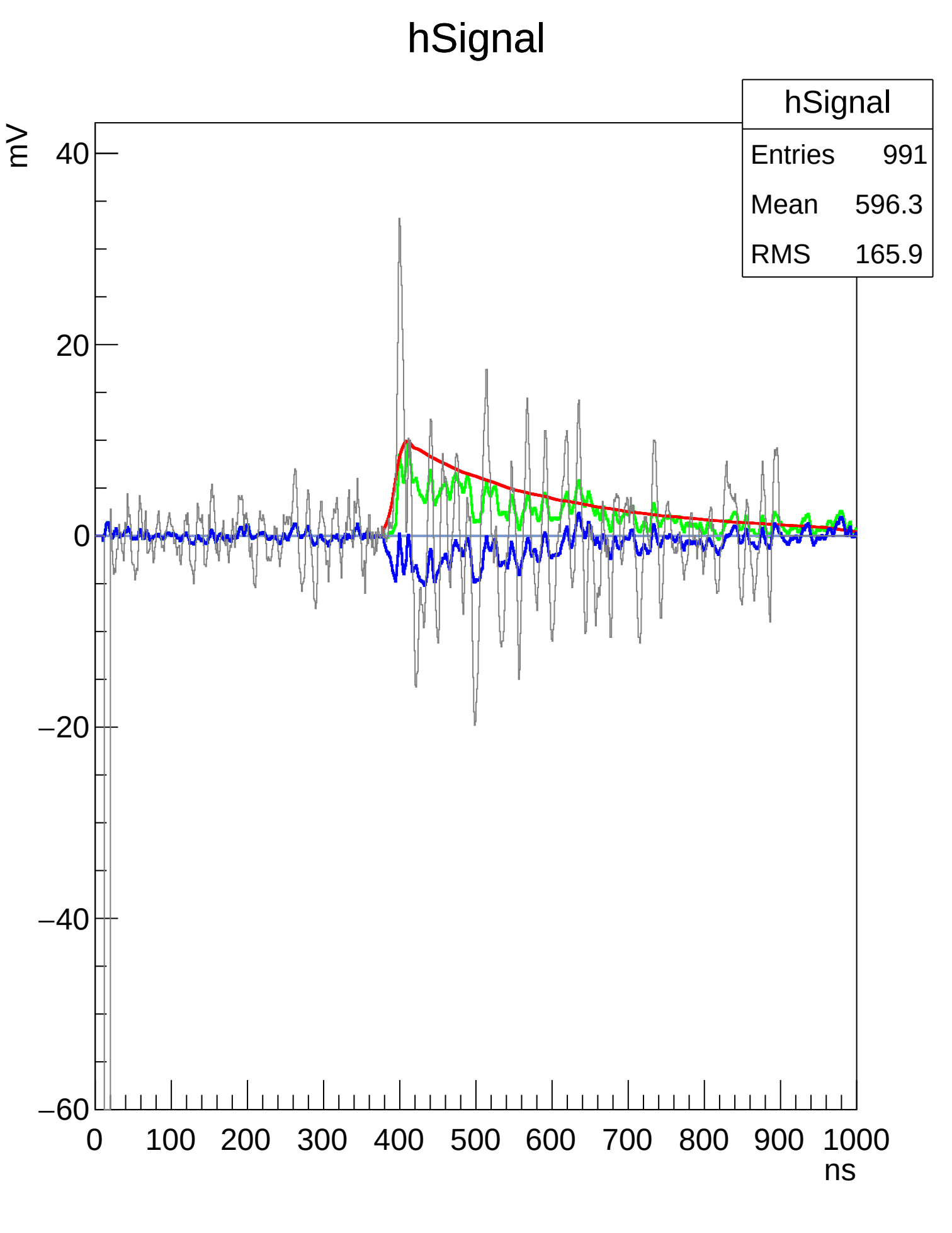
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.3
RMS 165.9
mV
40
20
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−20
−40
−60
0
100
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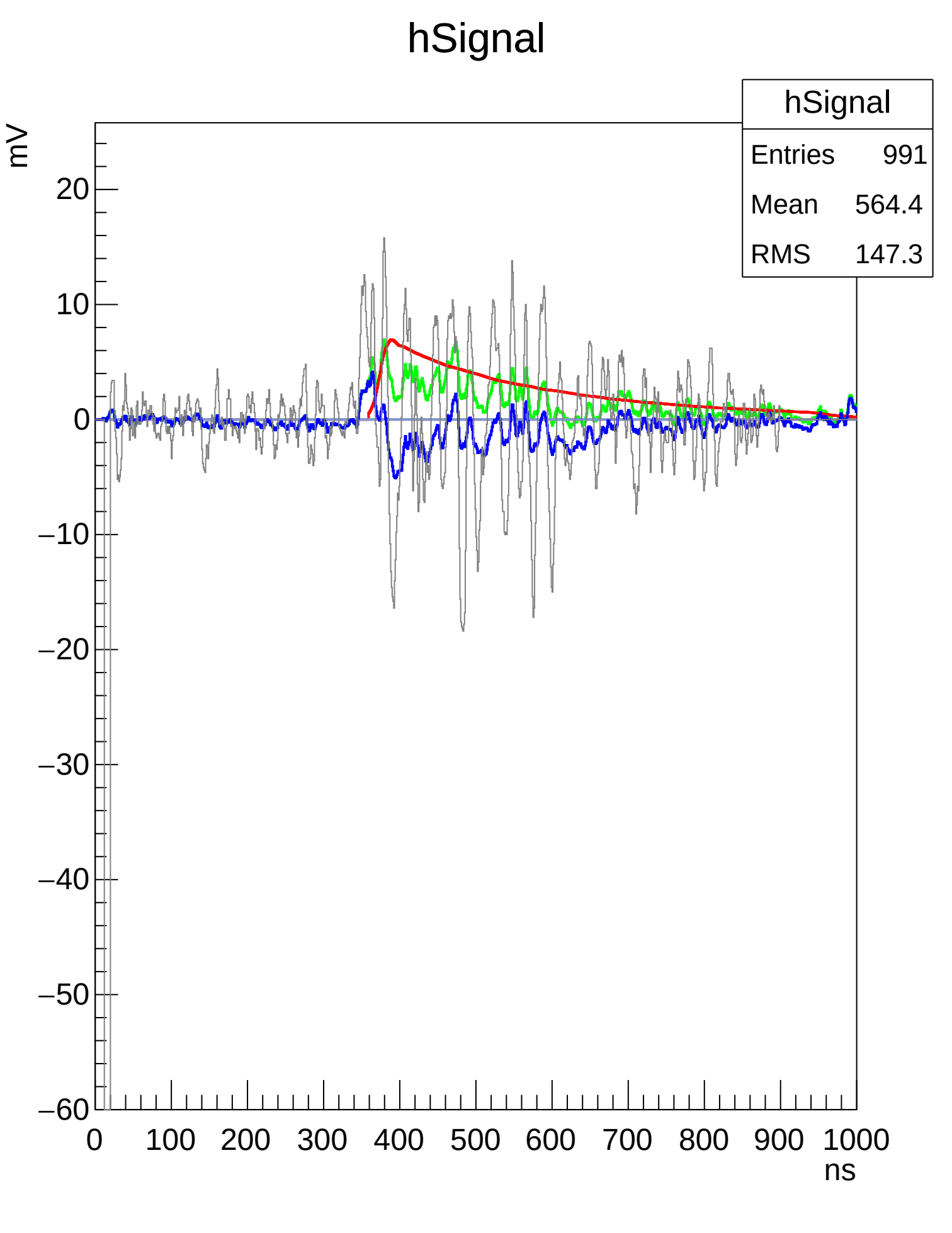
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.4
RMS 147.3
mV
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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800
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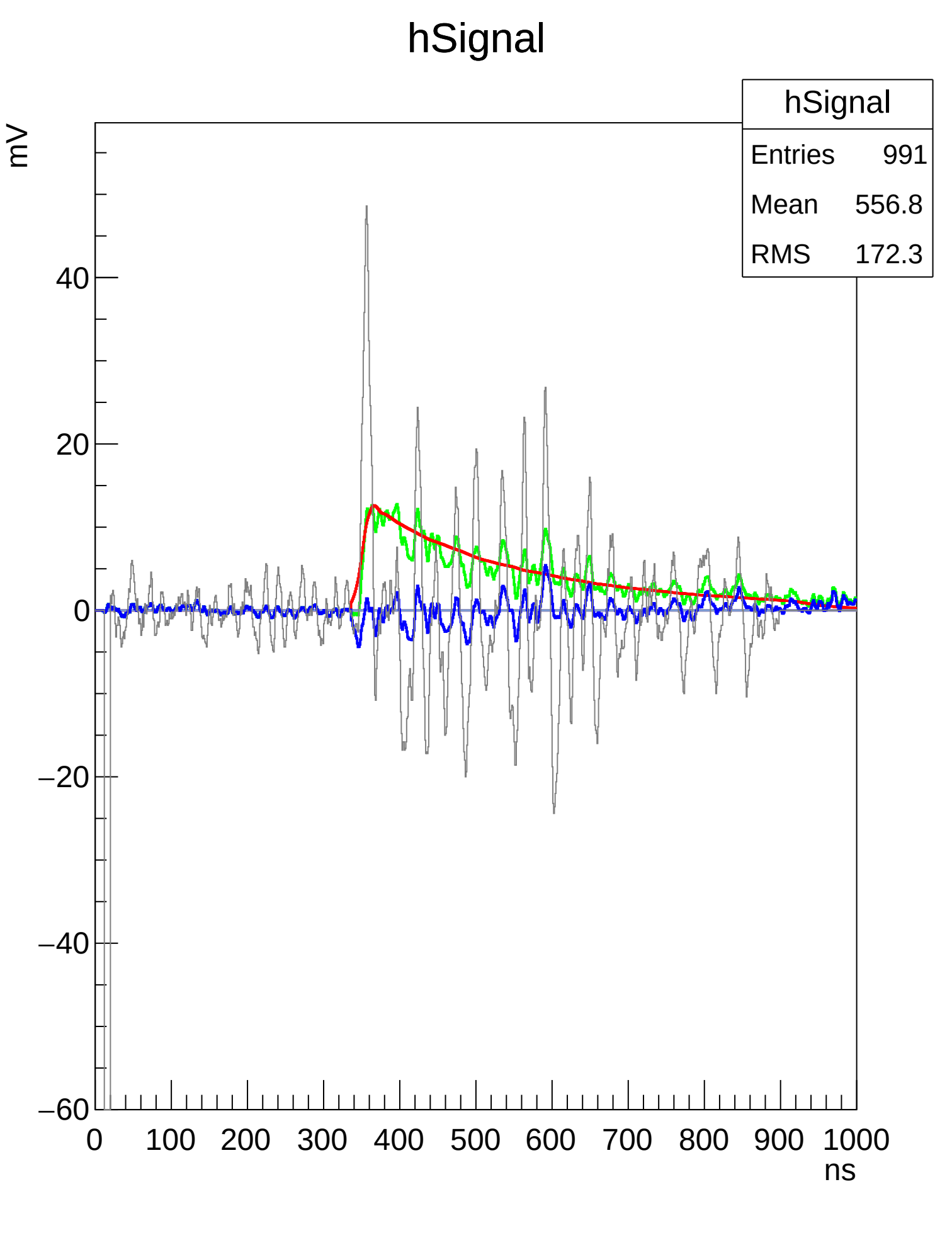
1000
ns


hSignal
hSignal
Entries 991
Mean 556.8
RMS 172.3
mV
40
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0
−20
−40
−60
0
100
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600
700
800
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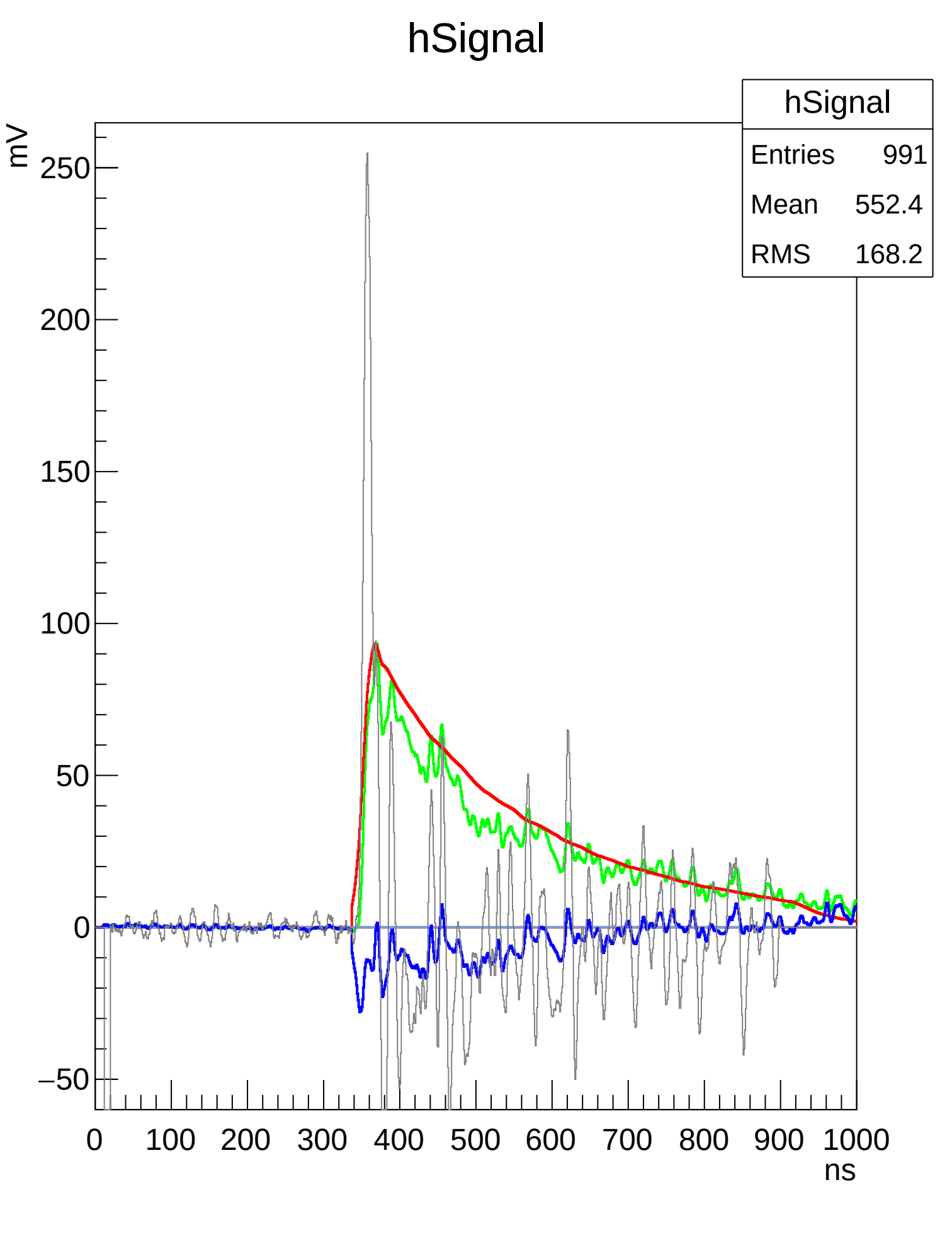
1000
ns


hSignal
hSignal
Entries 991
Mean 552.4
RMS 168.2
mV
250
200
150
100
50
0
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0
100
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400
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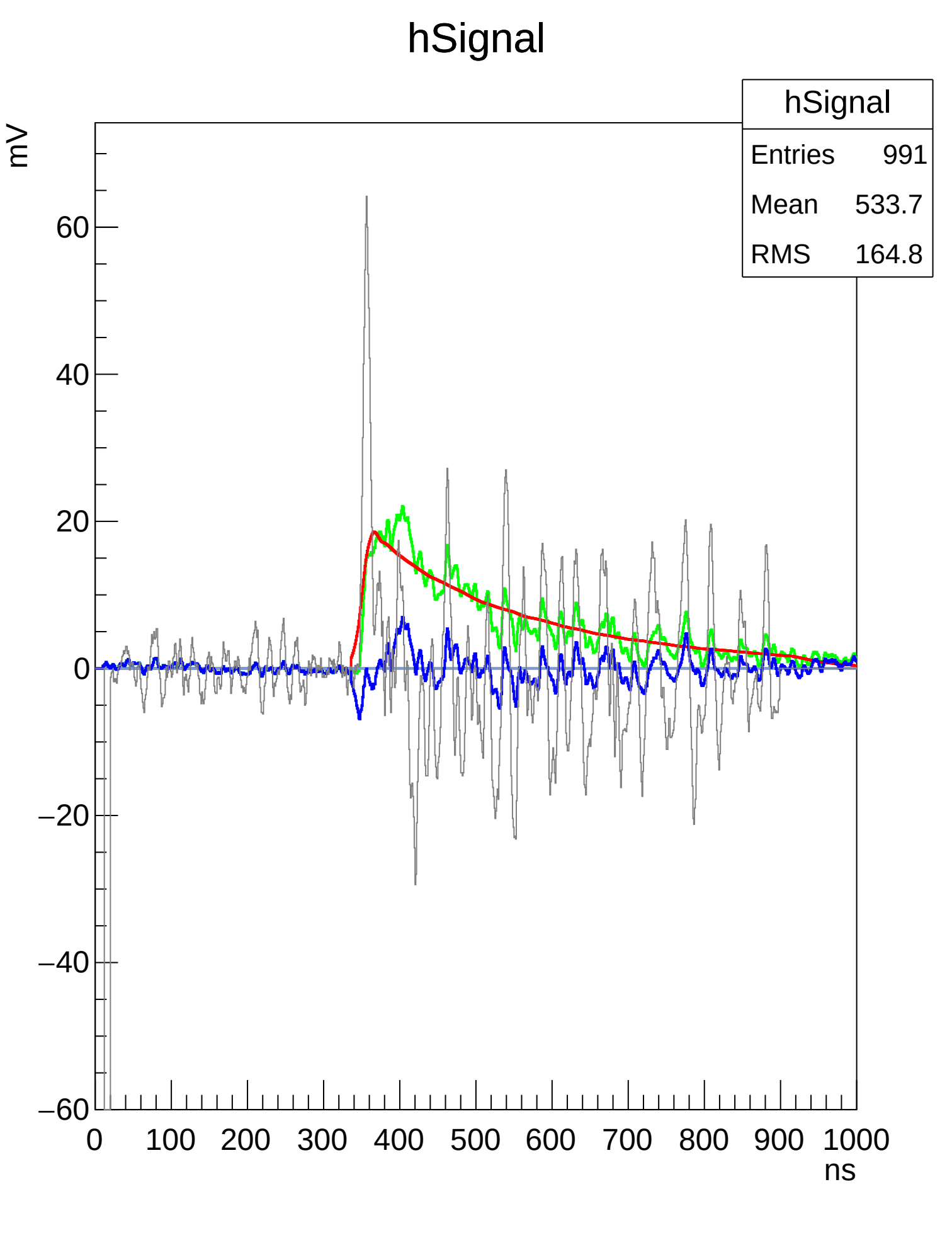
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.7
RMS 164.8
mV
60
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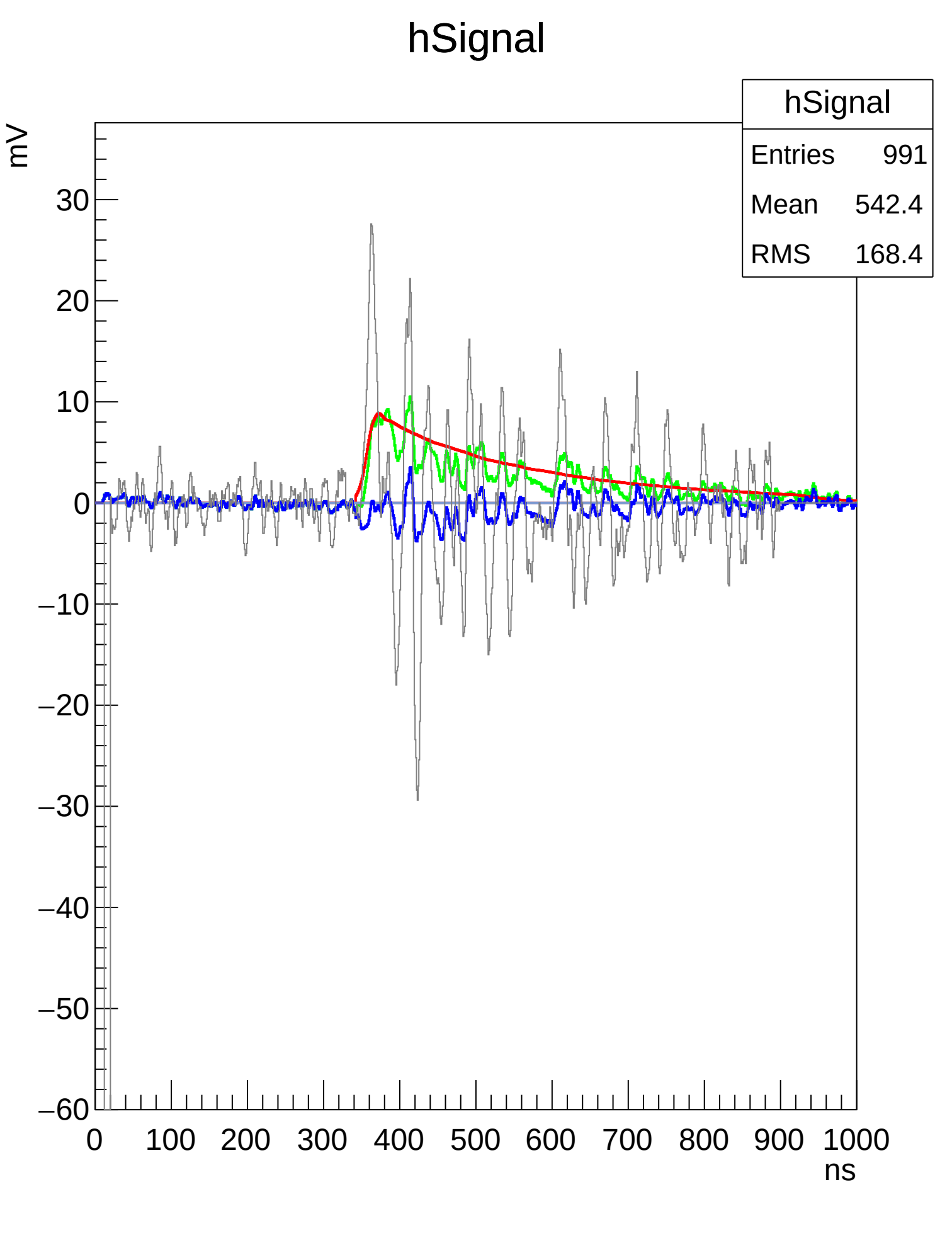
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.4
RMS 168.4
mV
30
20
10
0
−10
−20
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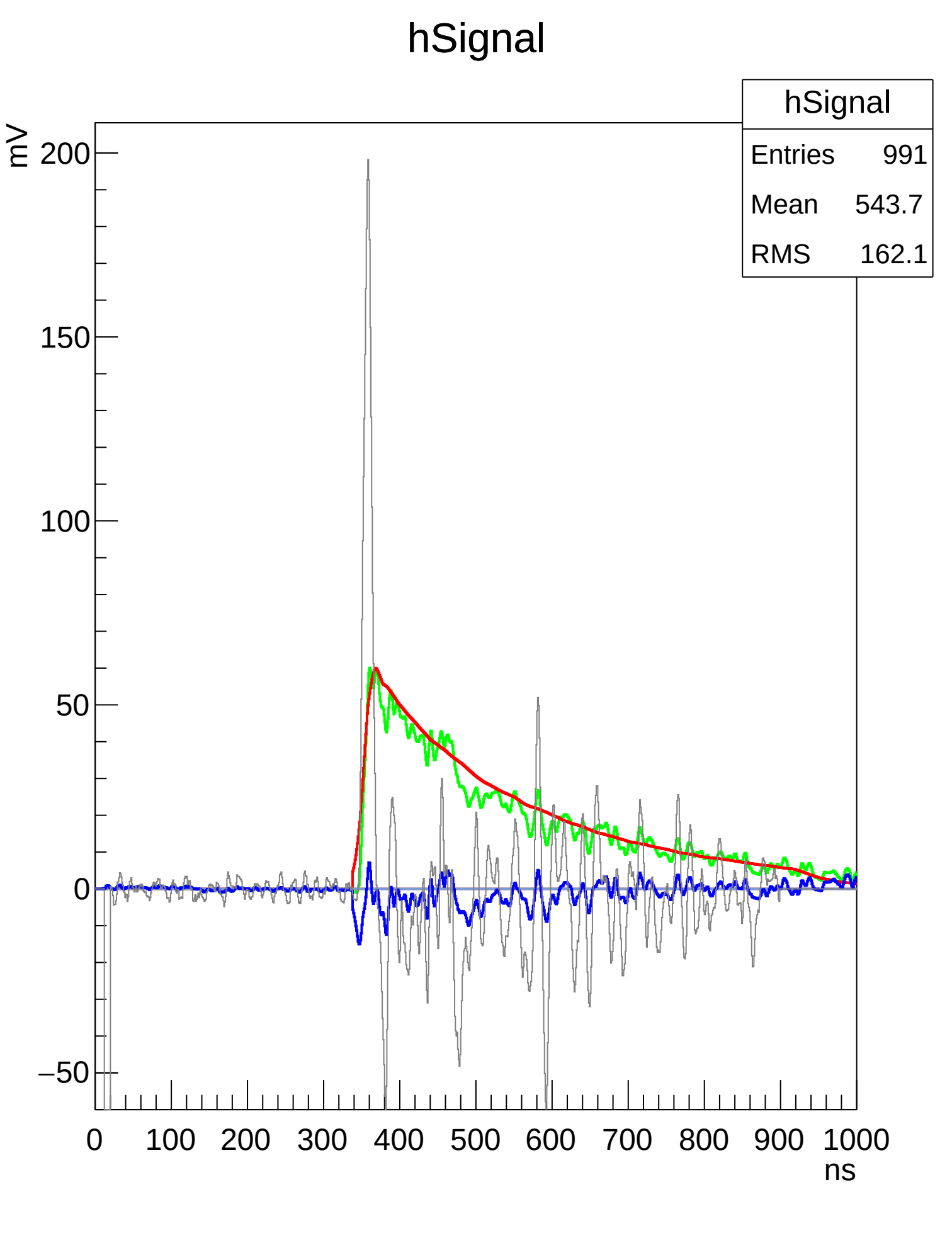
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 162.1
mV
200
150
100
50
0
−50
0
100
200
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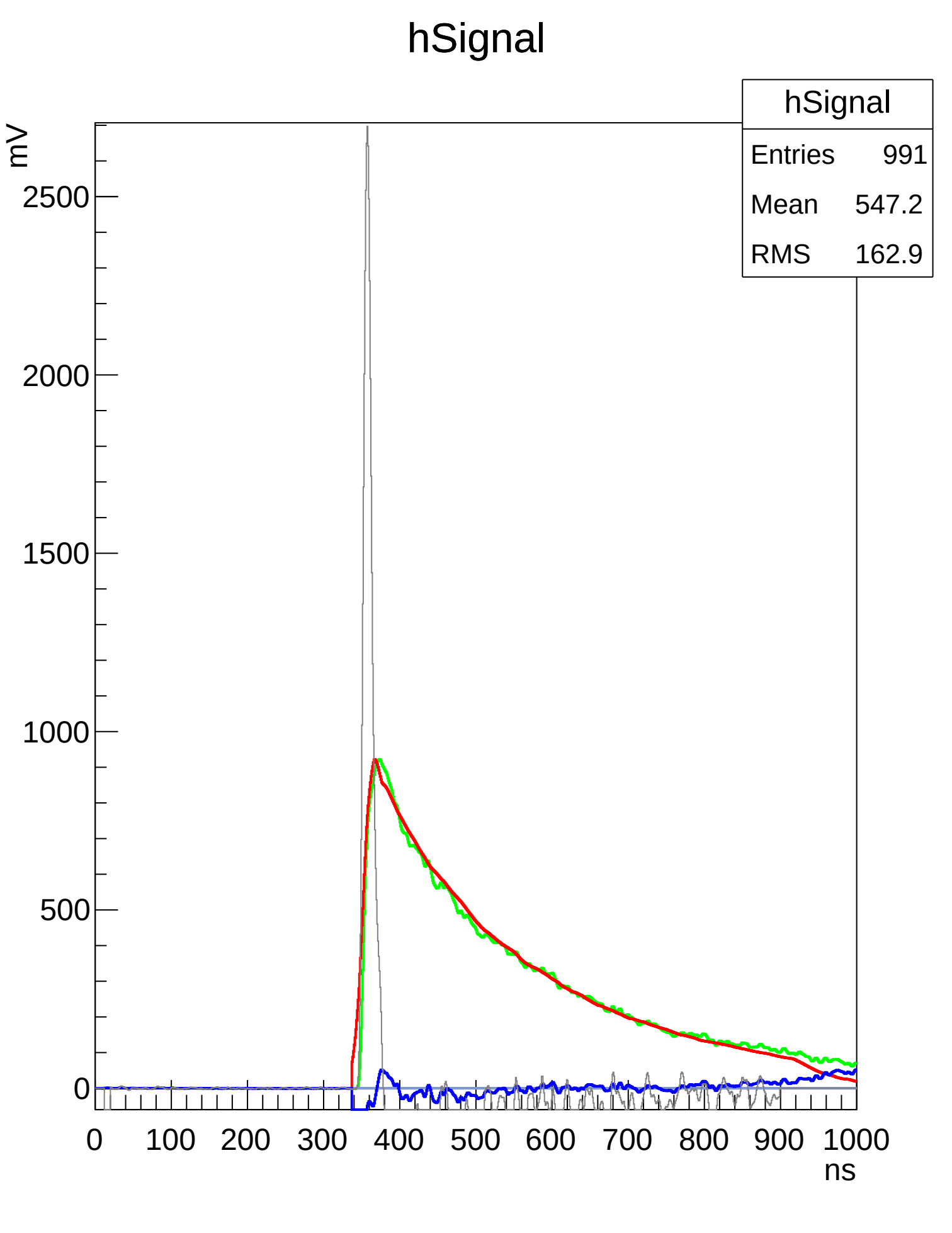
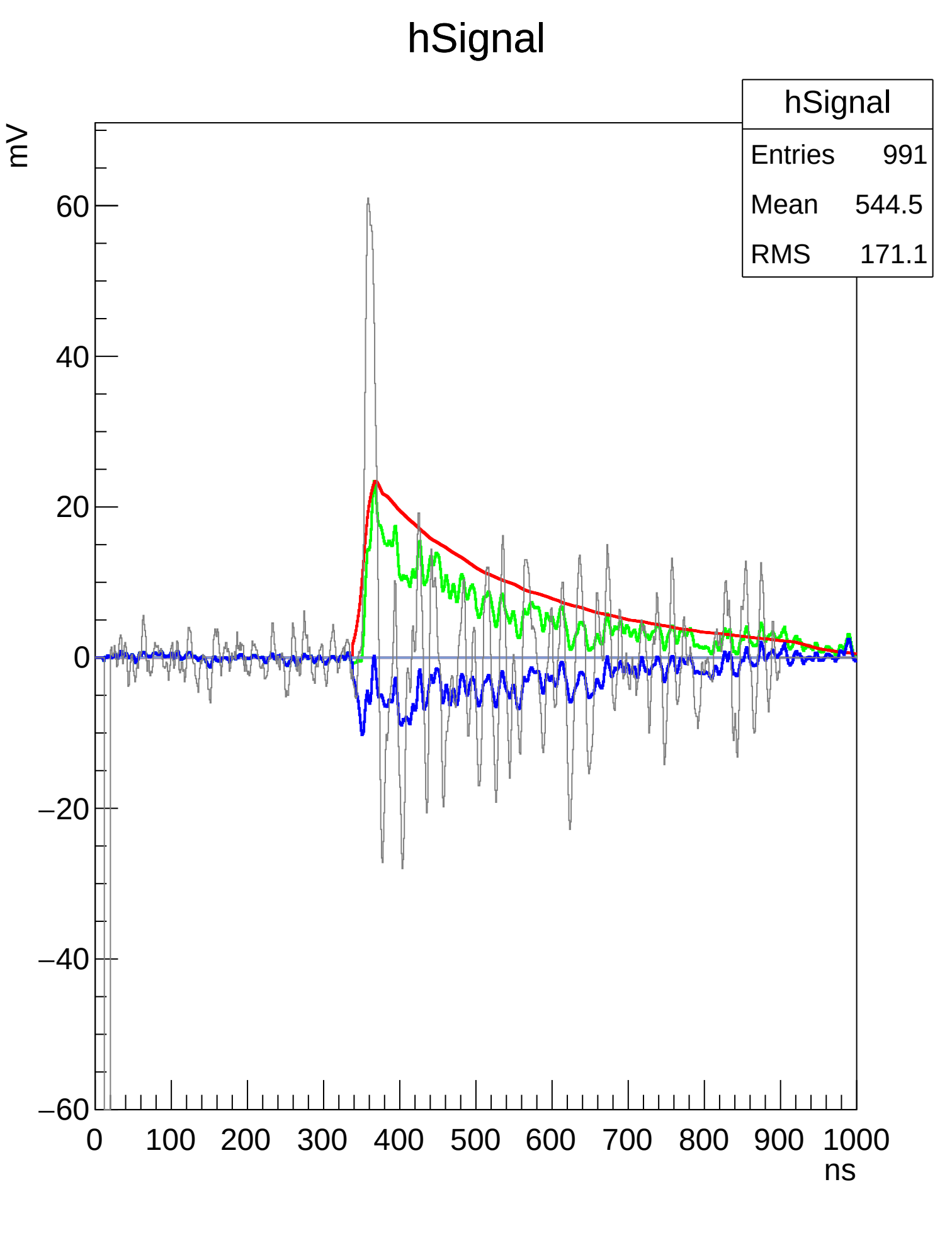
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.2
RMS 162.9
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 544.5
RMS 171.1
mV
60
40
20
0
−20
−40
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0
100
200
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400
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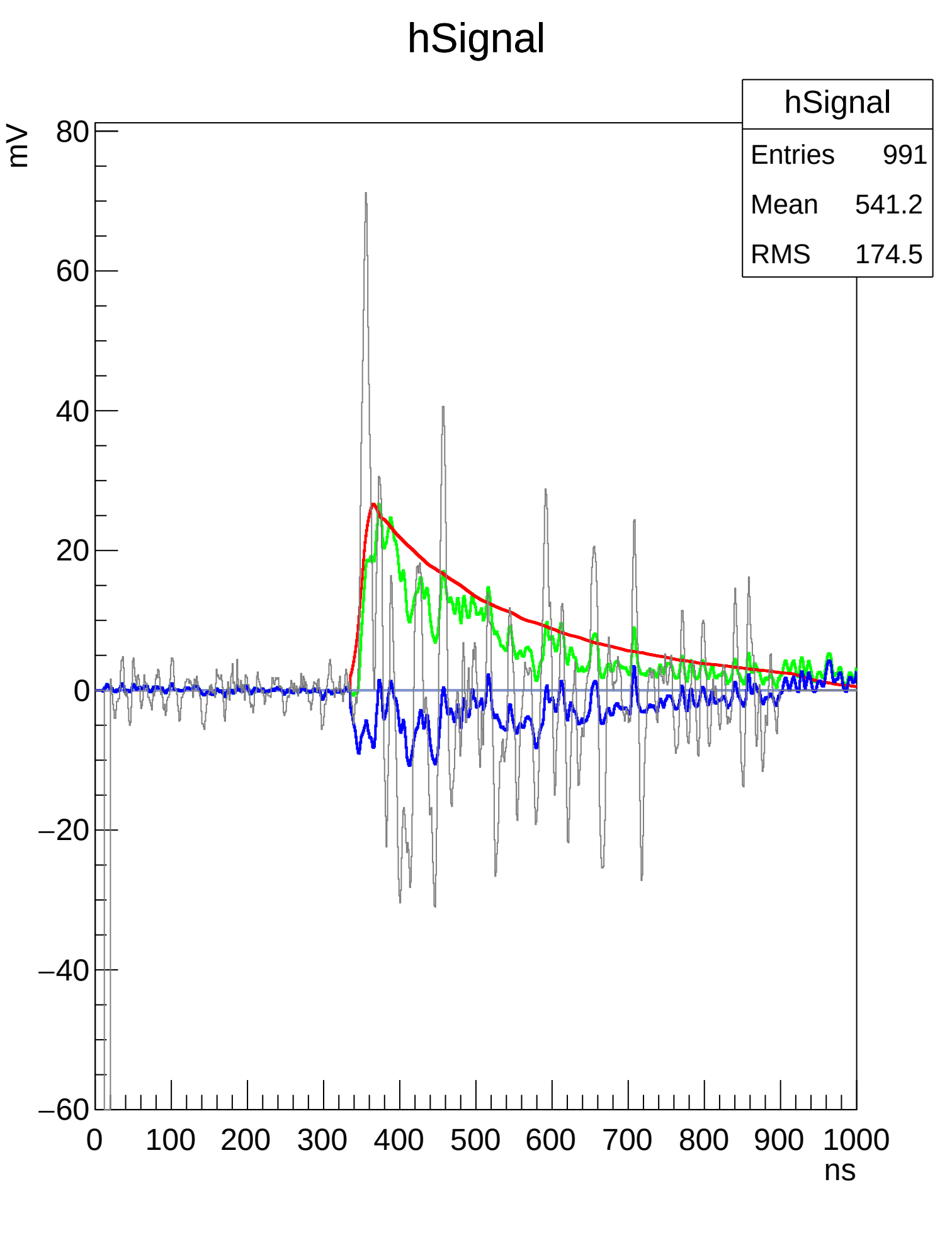
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.2
RMS 174.5
mV
80
60
40
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−20
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1000
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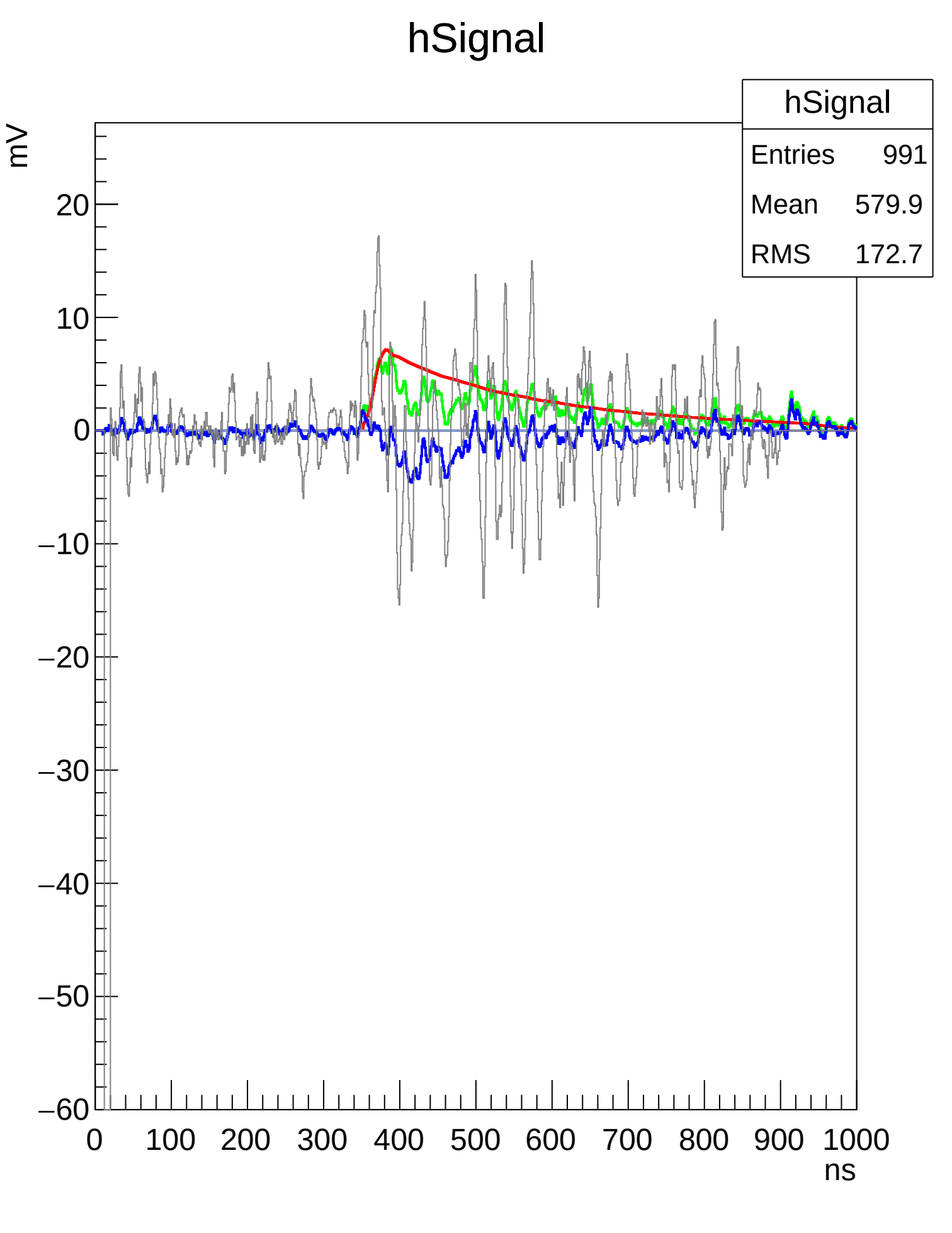
hSignal
hSignal
Entries 991
Mean 579.9
RMS 172.7
mV
20
10
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1000
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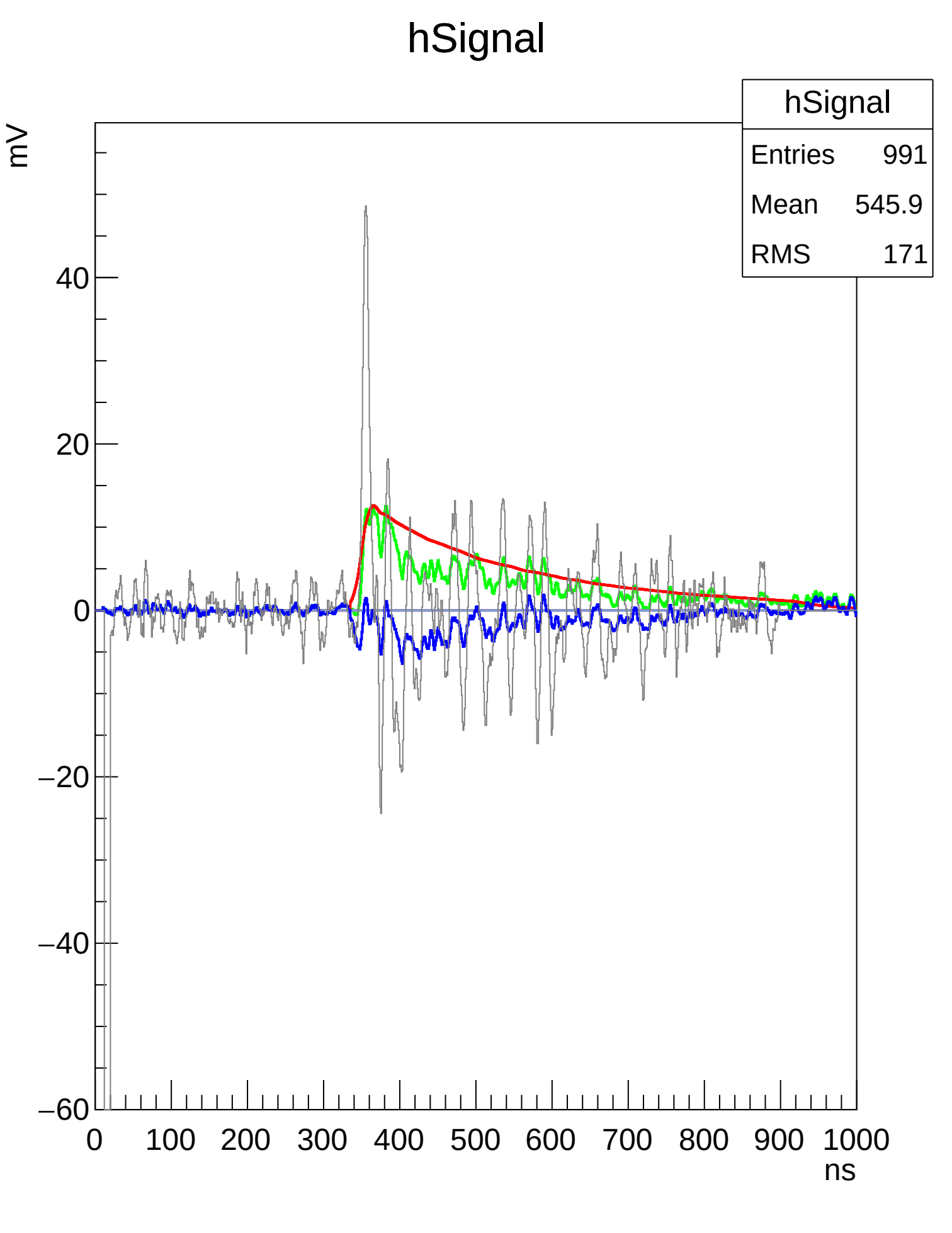
hSignal
hSignal
Entries 991
Mean 545.9
RMS 171
mV
40
20
0
−20
−40
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0
100
200
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400
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600
700
800
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1000
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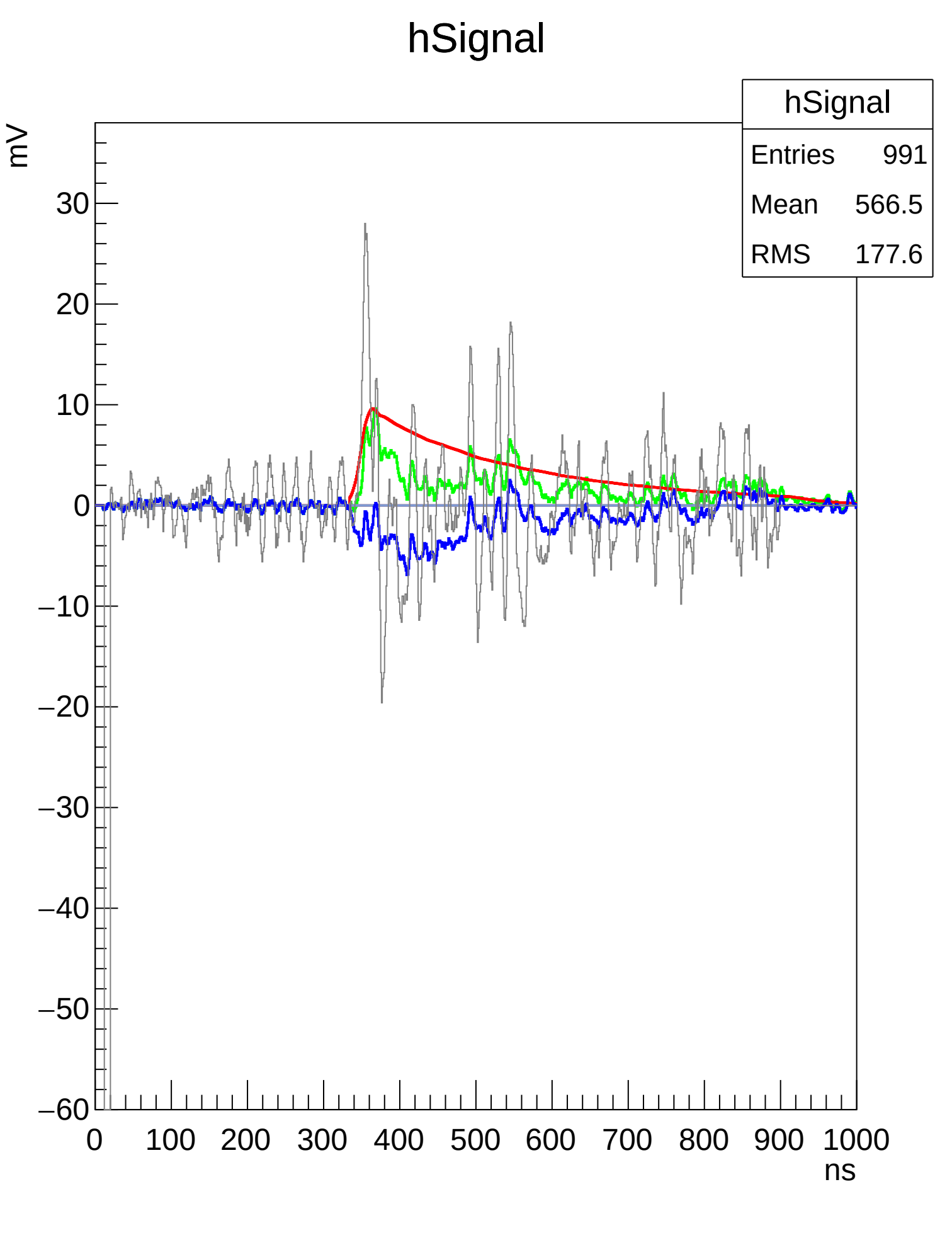
hSignal
hSignal
Entries 991
Mean 566.5
RMS 177.6
mV
30
20
10
0
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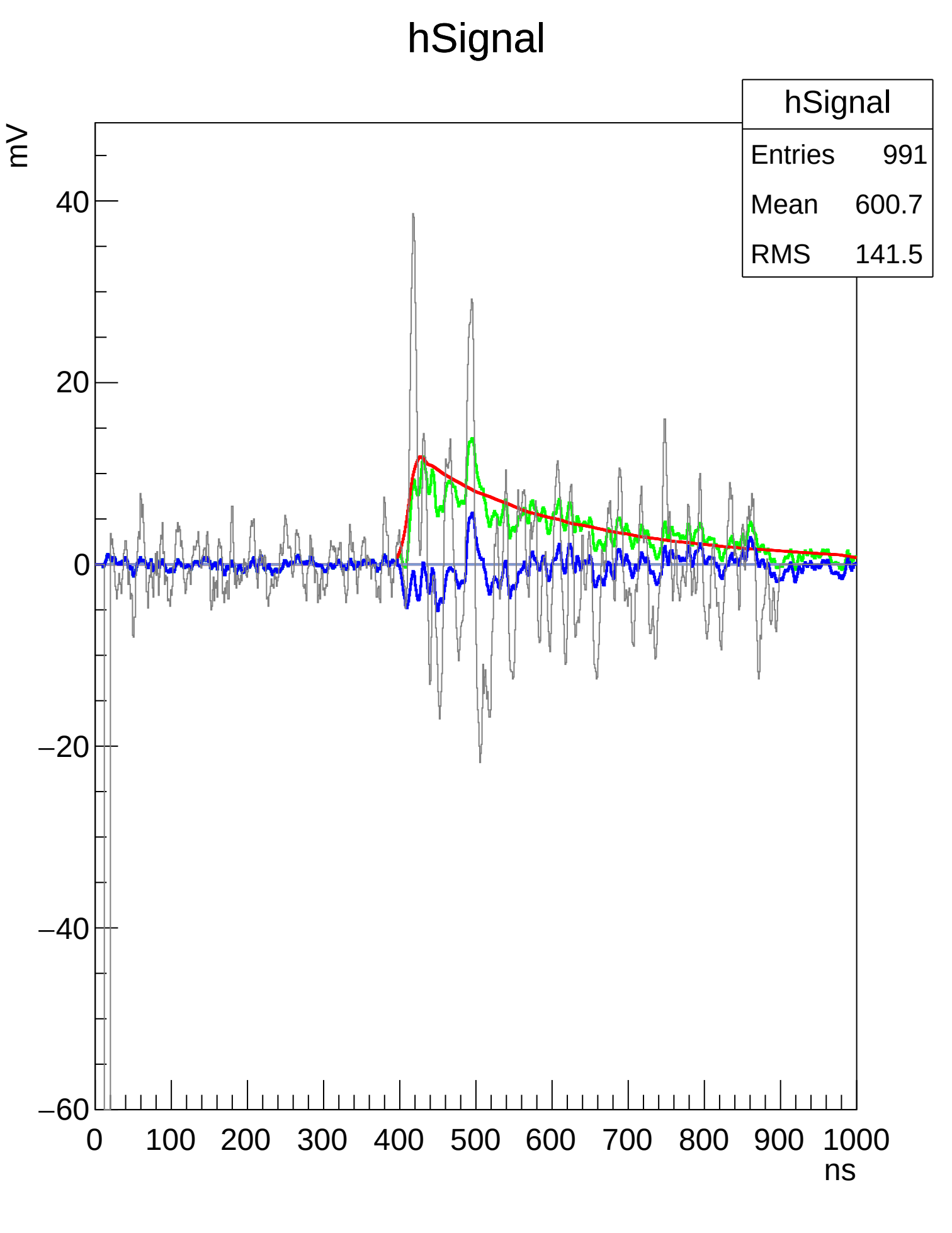
hSignal
hSignal
Entries 991
Mean 600.7
RMS 141.5
mV
40
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−20
−40
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0
100
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700
800
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1000
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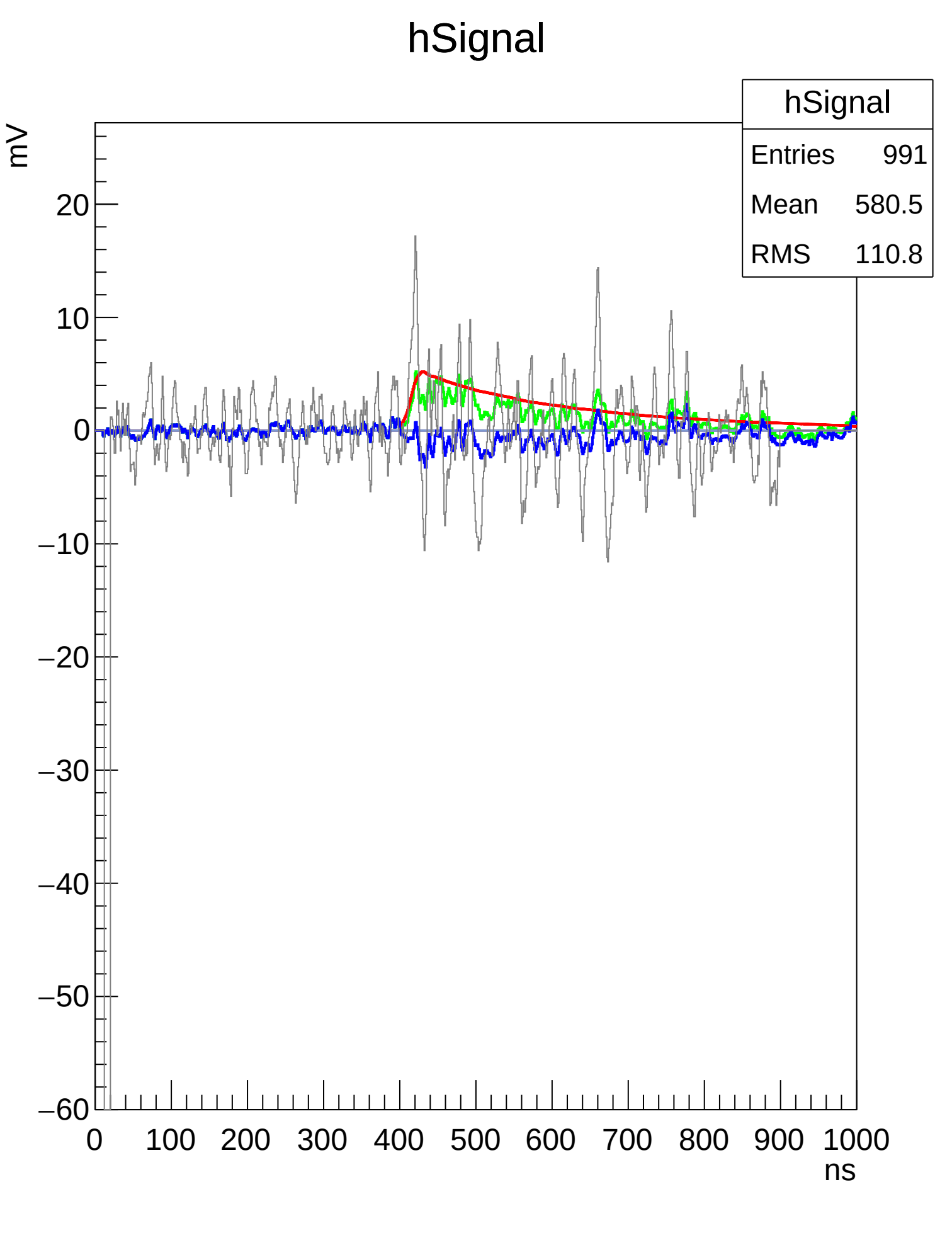
hSignal
hSignal
Entries 991
Mean 580.5
RMS 110.8
mV
20
10
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−10
−20
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−40
−50
−60
0
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200
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800
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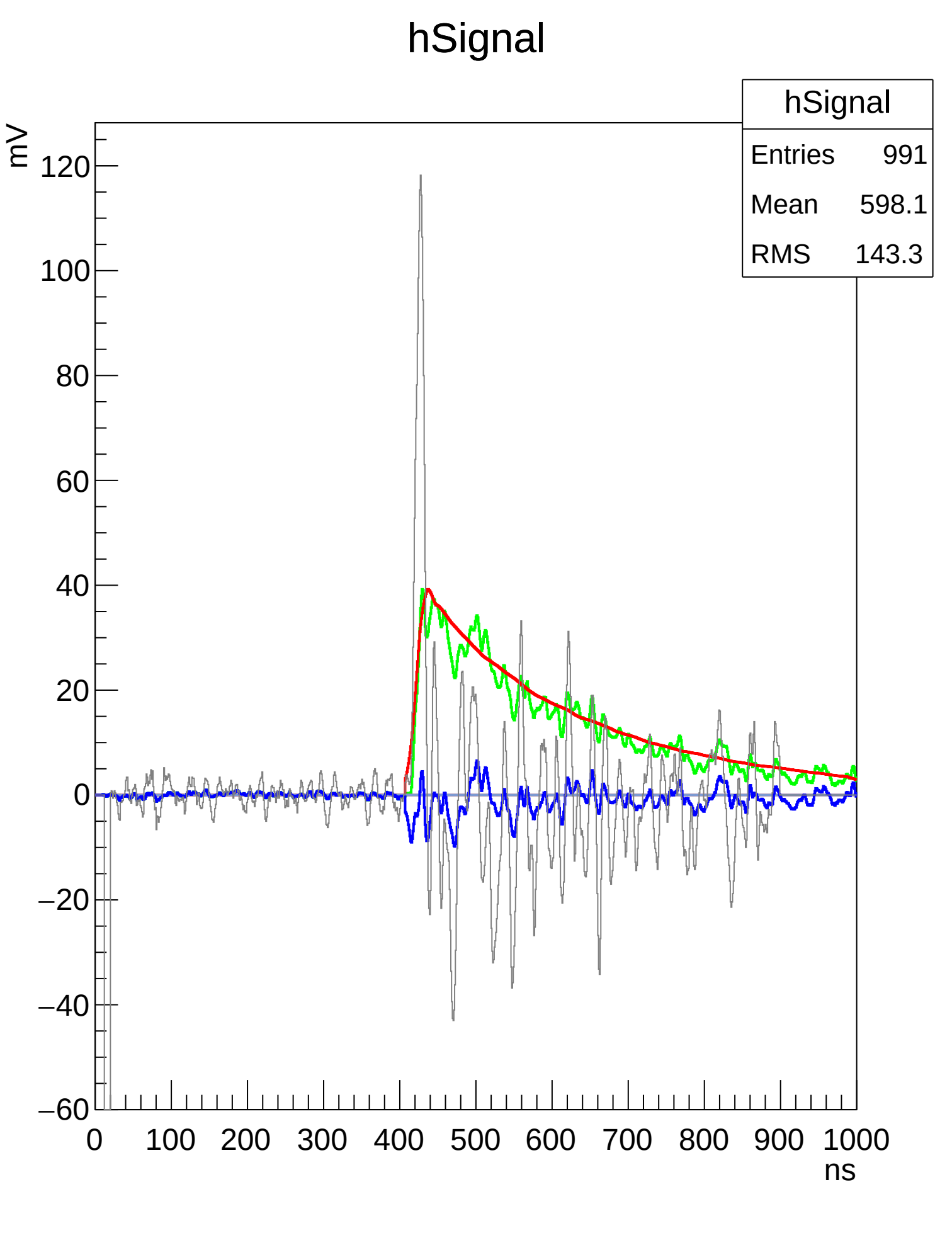
1000
ns


hSignal
hSignal
Entries 991
Mean 598.1
RMS 143.3
mV
120
100
80
60
40
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−40
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0
100
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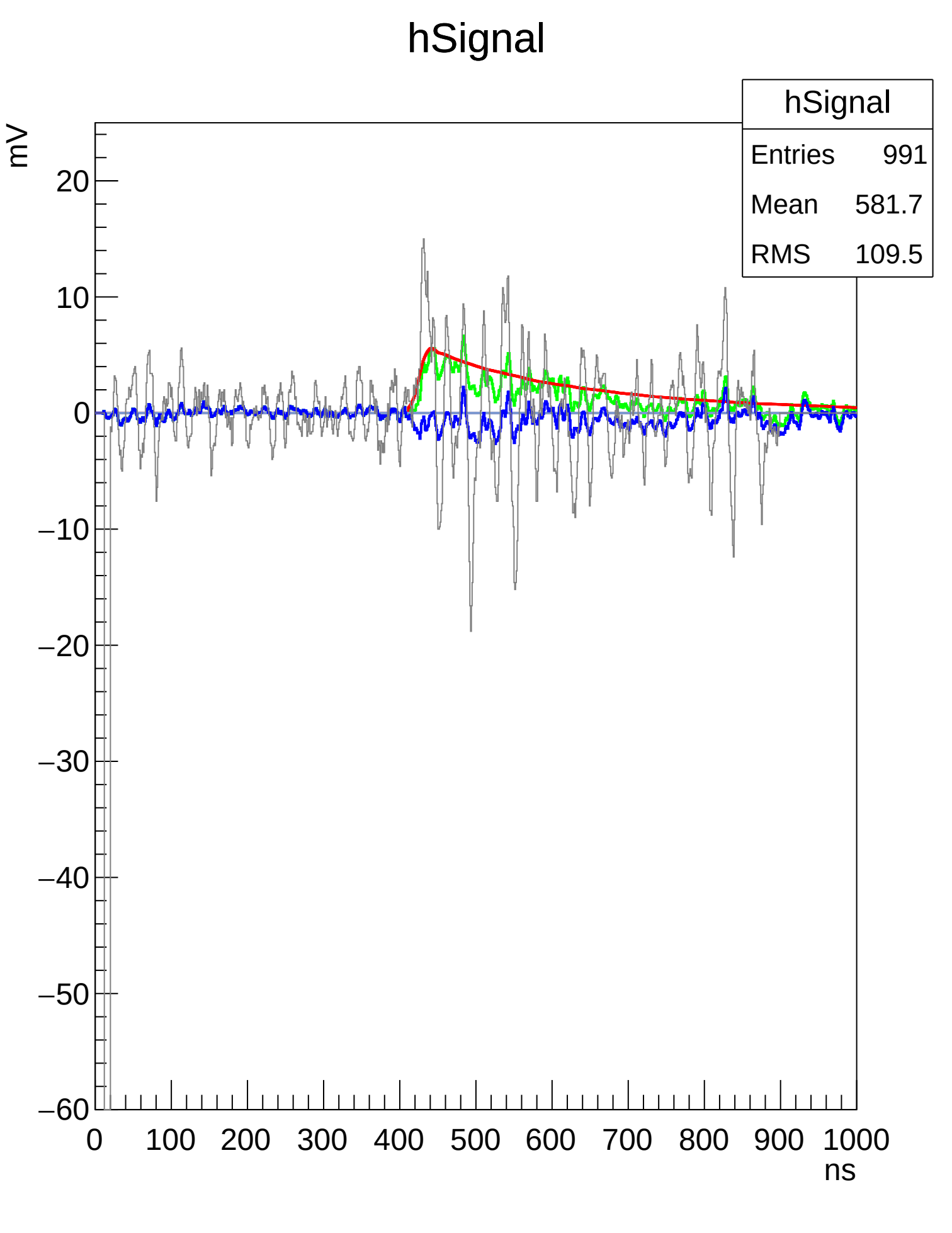
hSignal
hSignal
Entries 991
Mean 581.7
RMS 109.5
mV
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−40
−50
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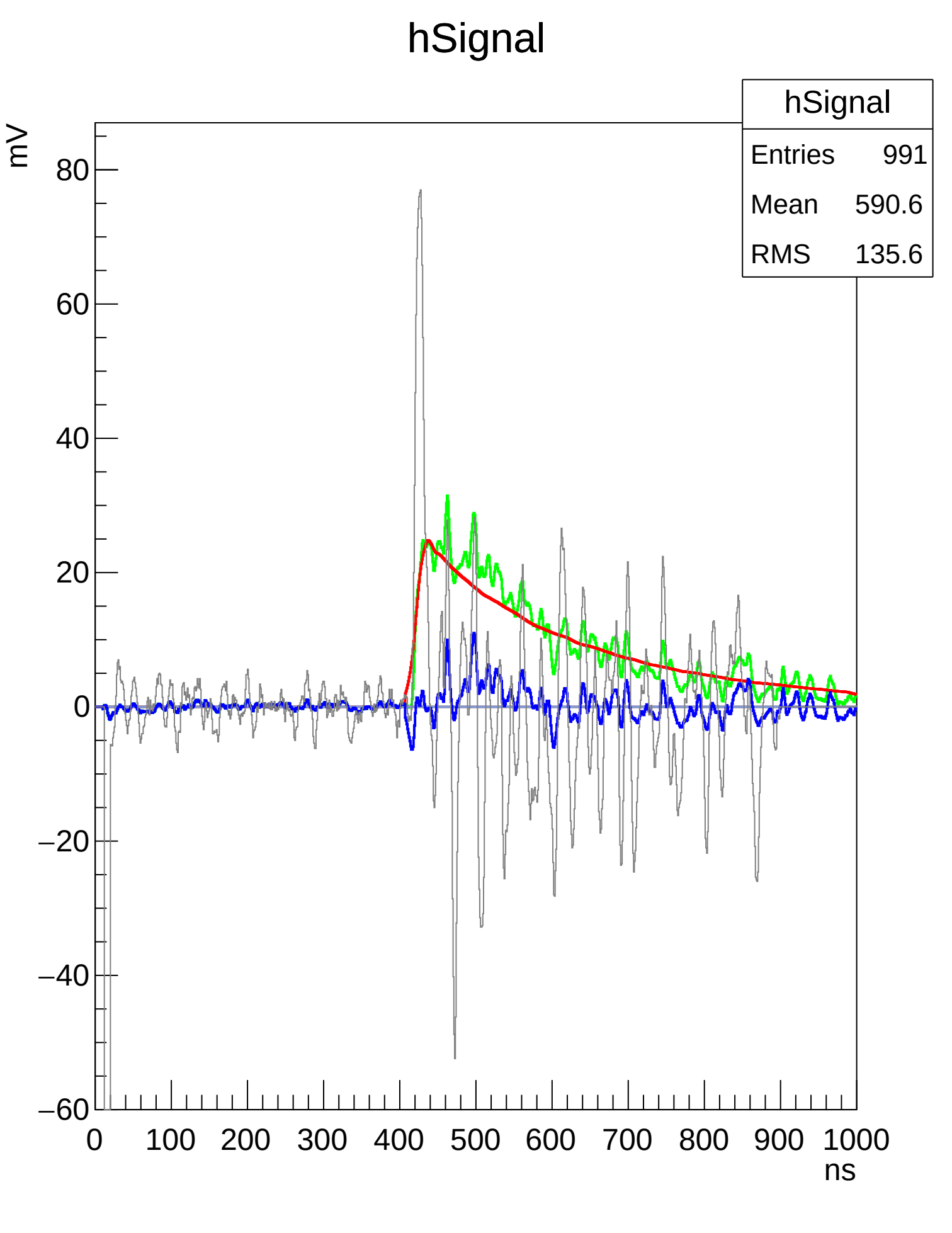
hSignal
hSignal
Entries 991
Mean 590.6
RMS 135.6
mV
80
60
40
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−40
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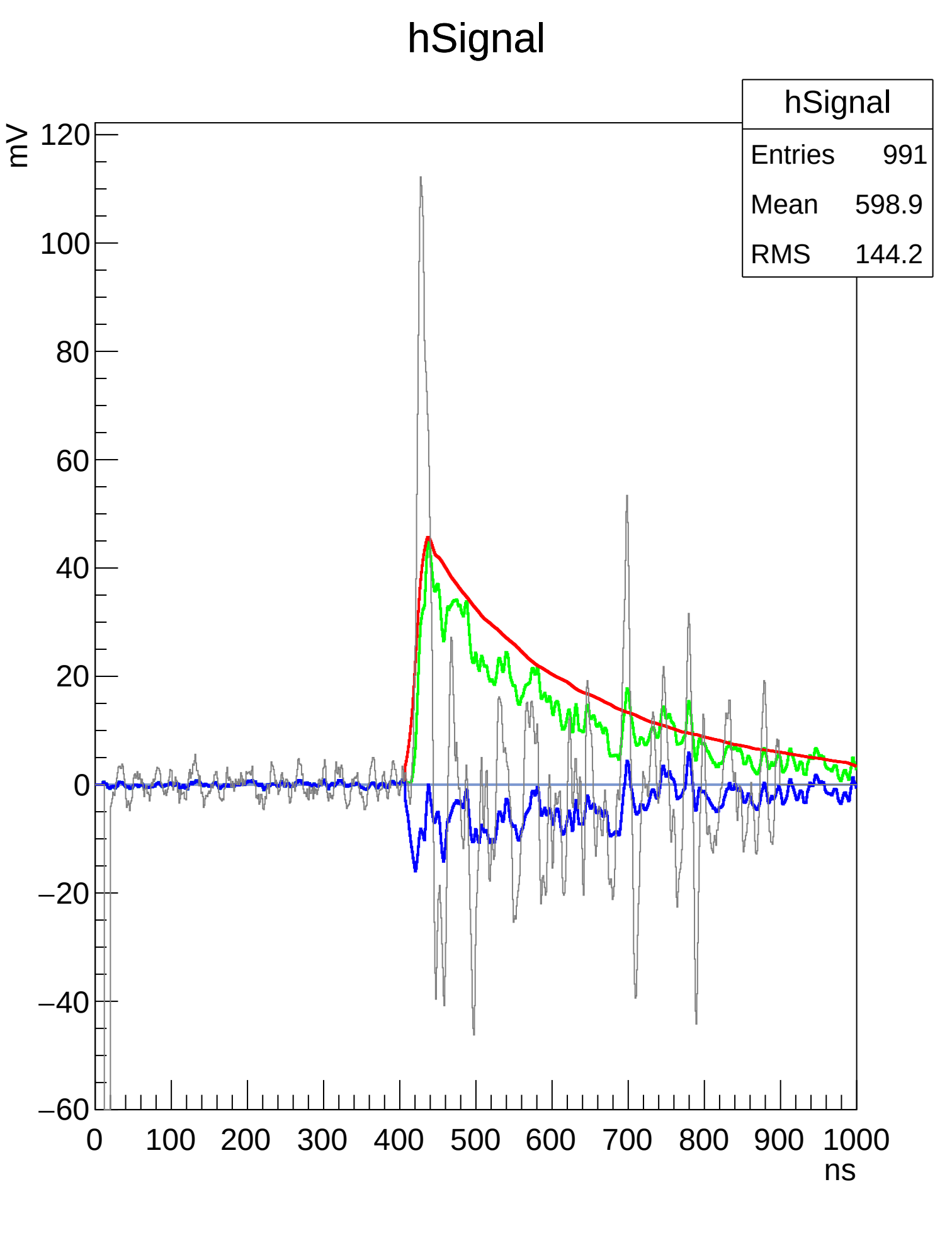
hSignal
hSignal
Entries 991
Mean 598.9
RMS 144.2
mV
120
100
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−40
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0
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200
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1000
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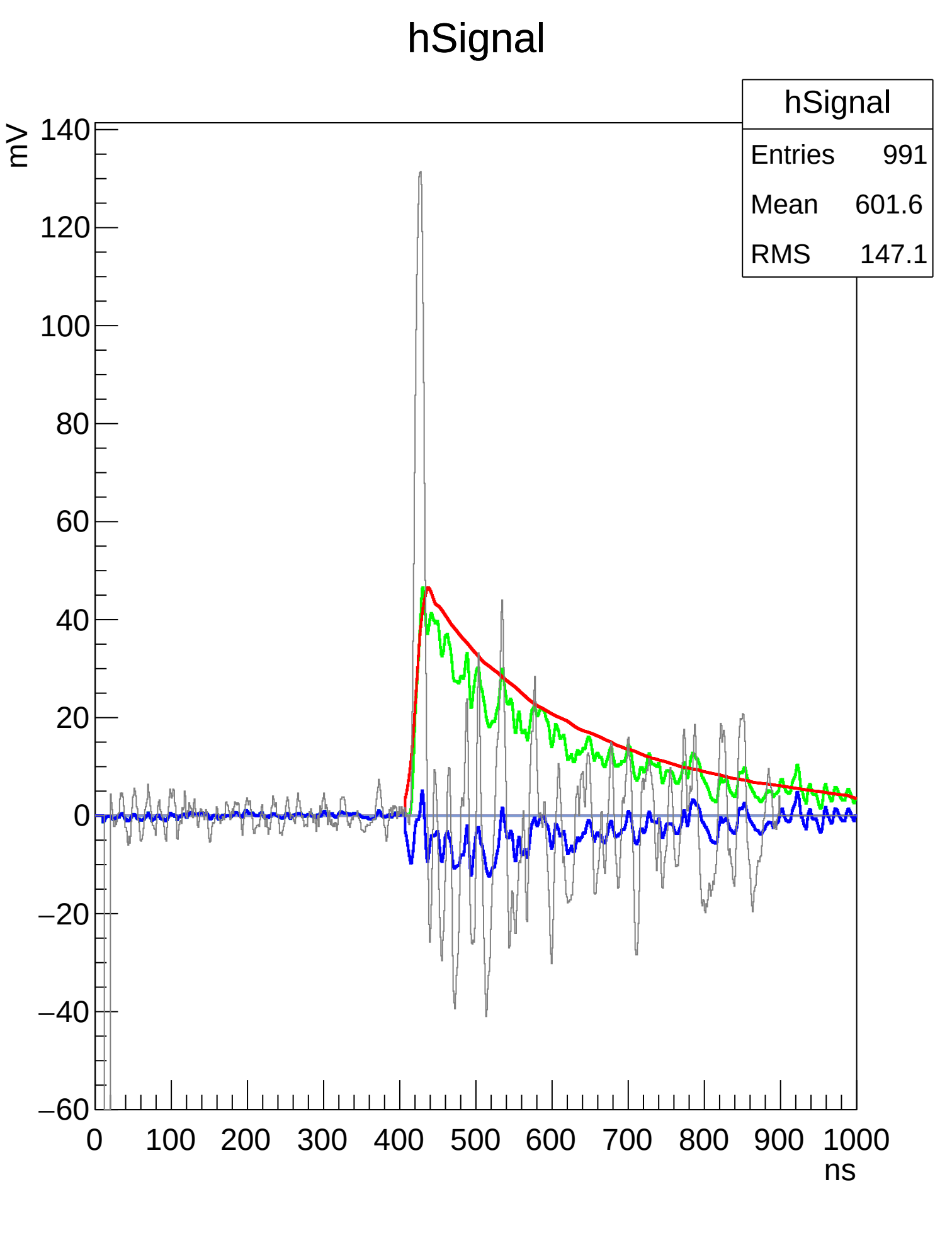
hSignal
hSignal
Entries 991
Mean 601.6
RMS 147.1
mV
140
120
100
80
60
40
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0
100
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400
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1000
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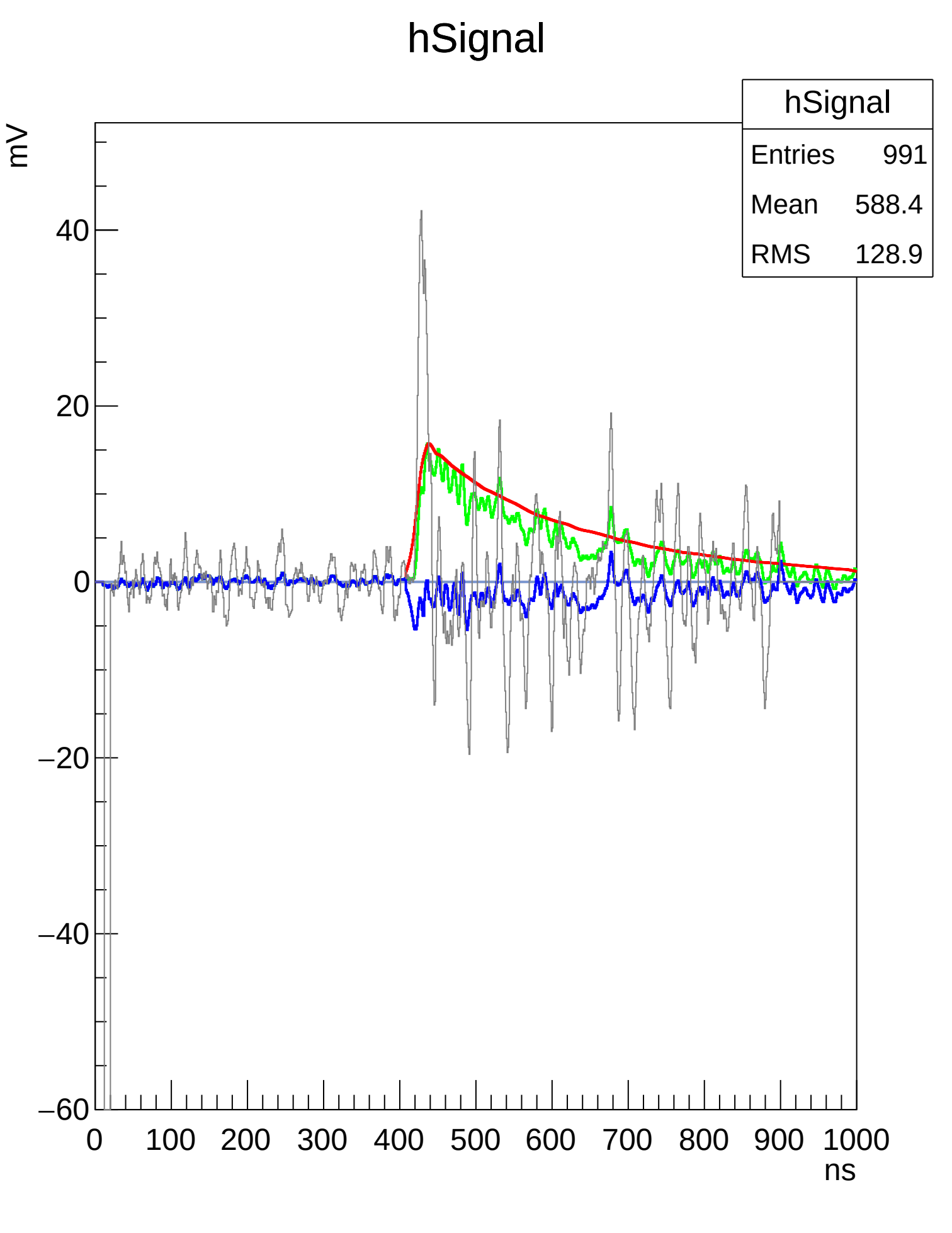
hSignal
hSignal
Entries 991
Mean 588.4
RMS 128.9
mV
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−20
−40
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0
100
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1000
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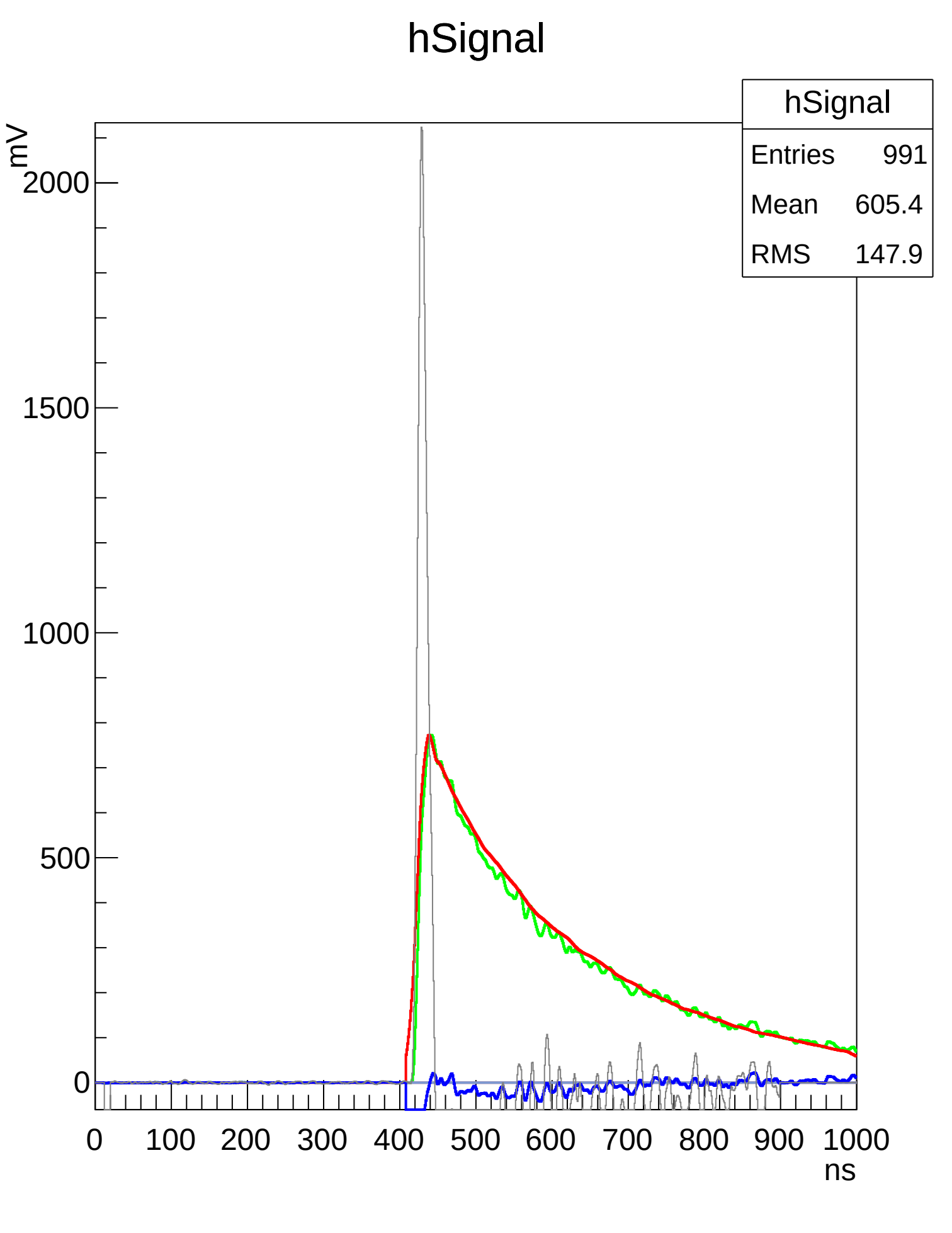
hSignal
hSignal
Entries 991
Mean 605.4
RMS 147.9
mV
2000
1500
1000
500
0
0
100
200
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600
700
800
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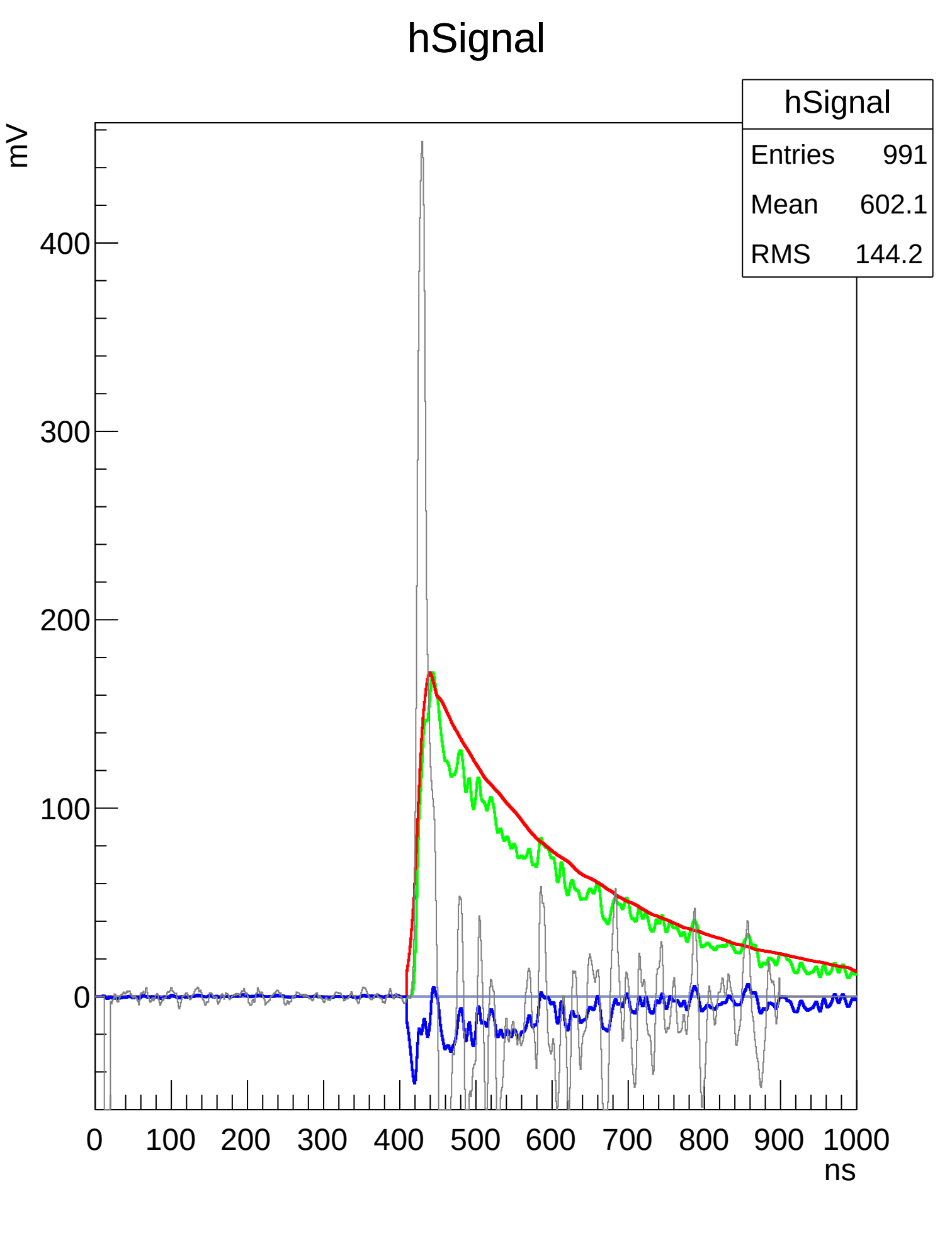
1000
ns


hSignal
hSignal
Entries 991
Mean 602.1
RMS 144.2
mV
400
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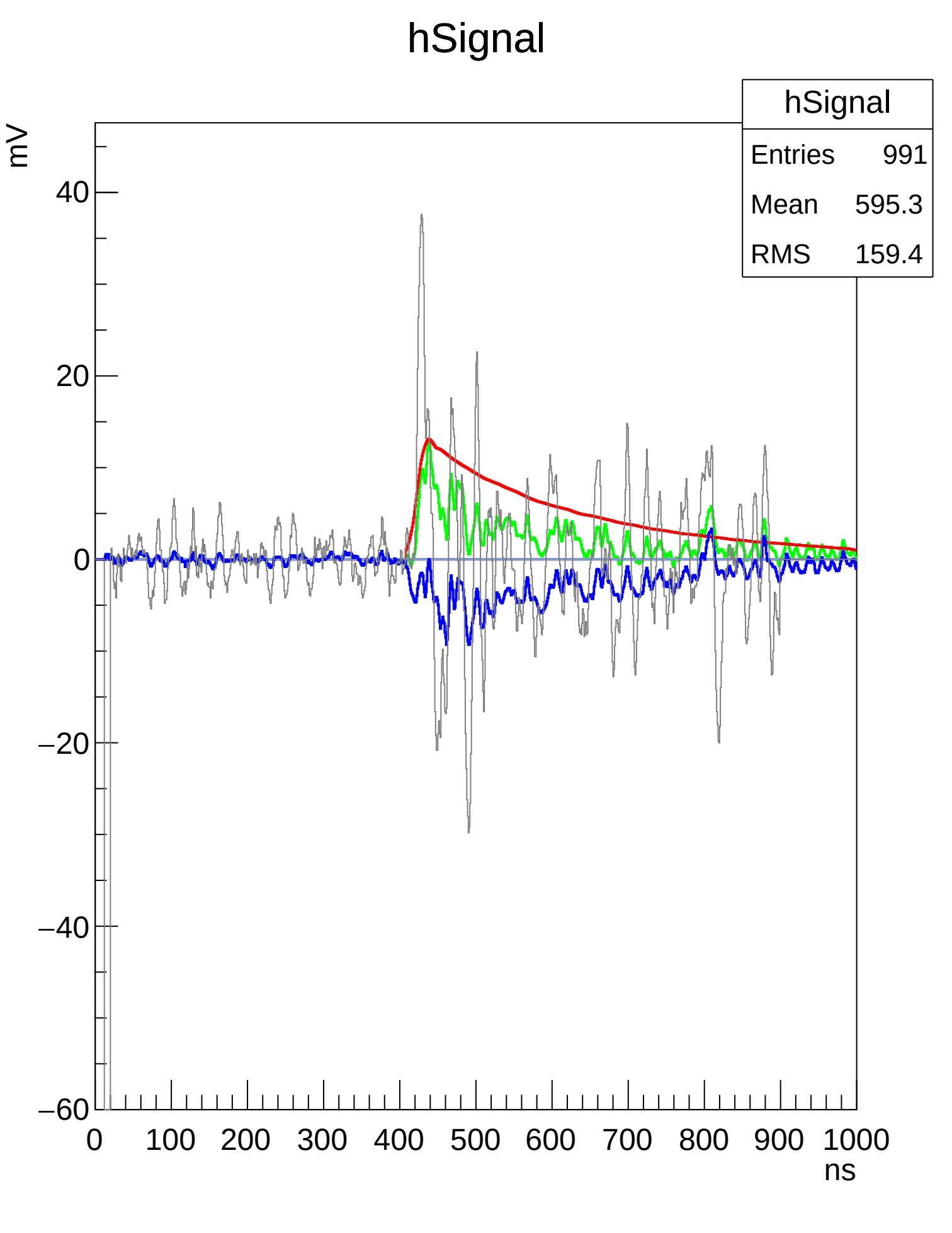
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 595.3
RMS 159.4
mV
40
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−20
−40
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0
100
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800
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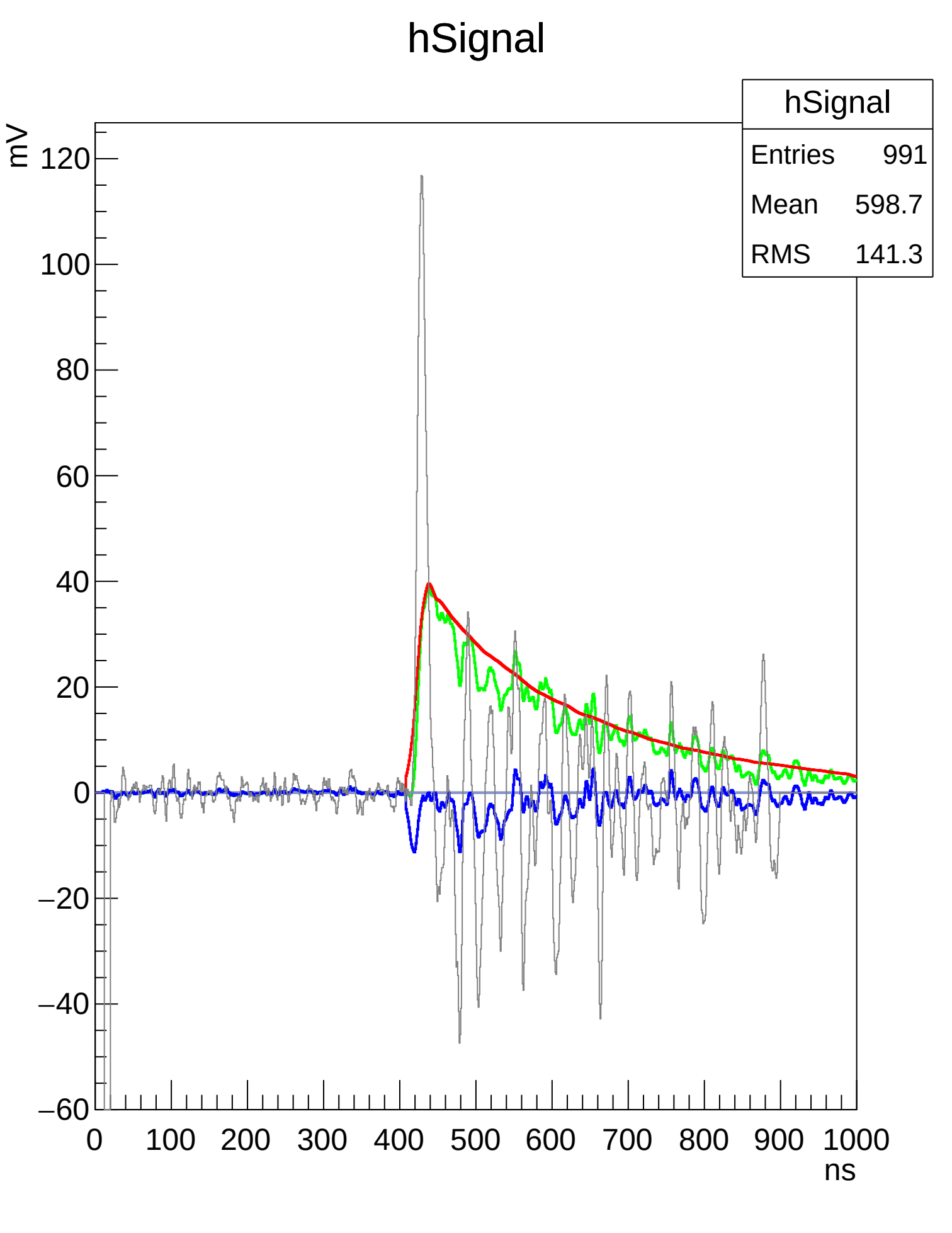
1000
ns


hSignal
hSignal
Entries 991
Mean 598.7
RMS 141.3
mV
120
100
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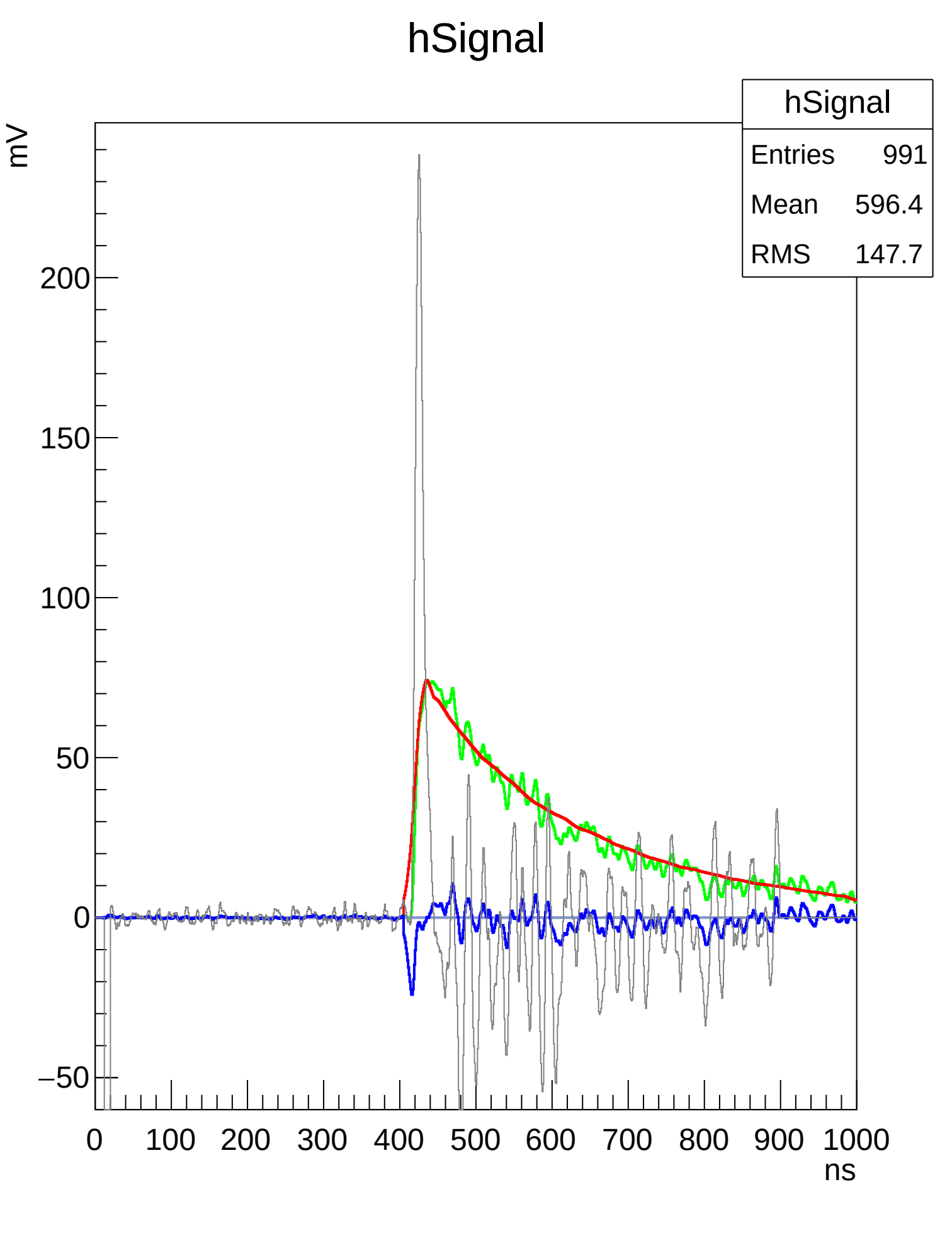
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 147.7
mV
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0
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200
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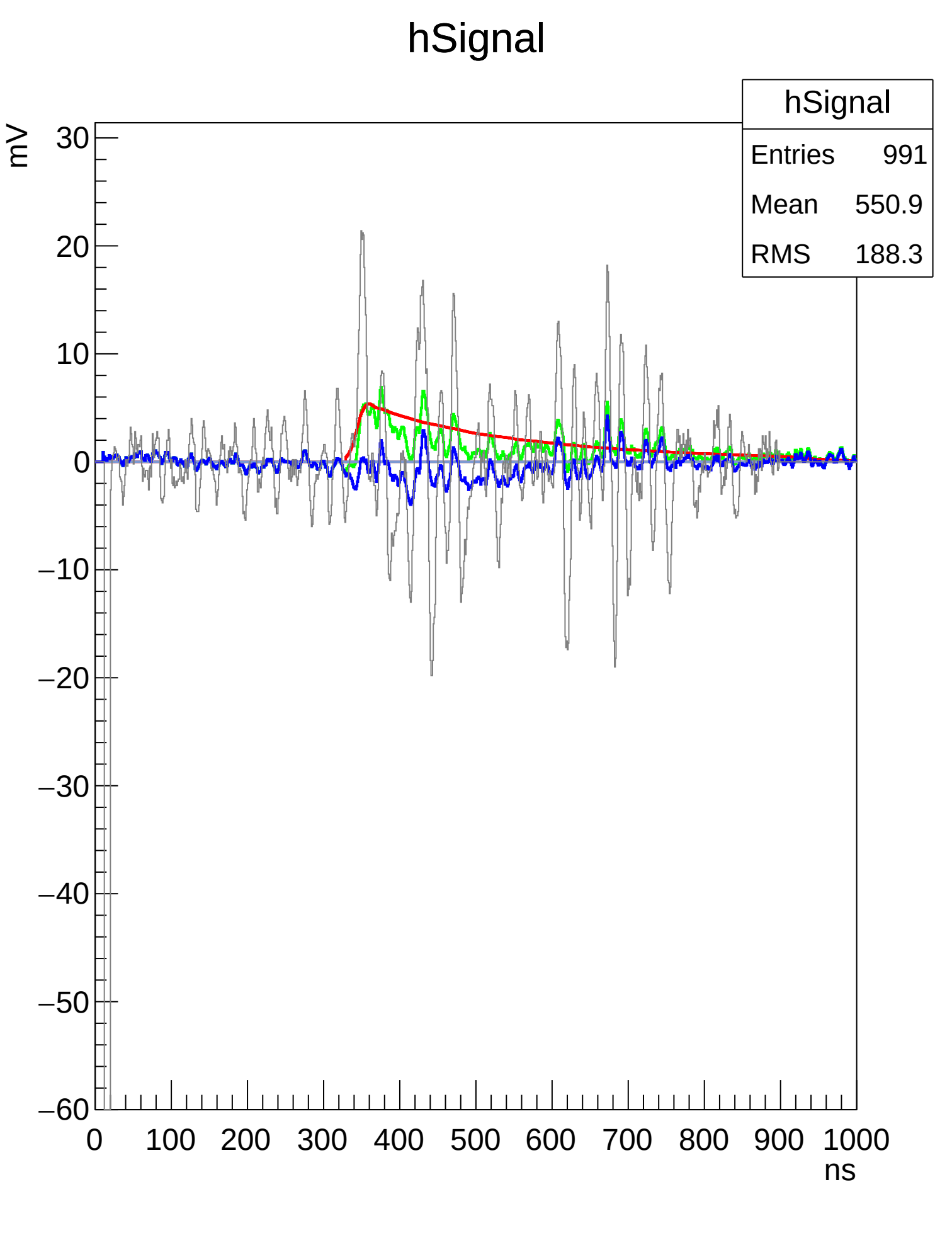
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.9
RMS 188.3
mV
30
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10
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−50
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0
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200
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400
500
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800
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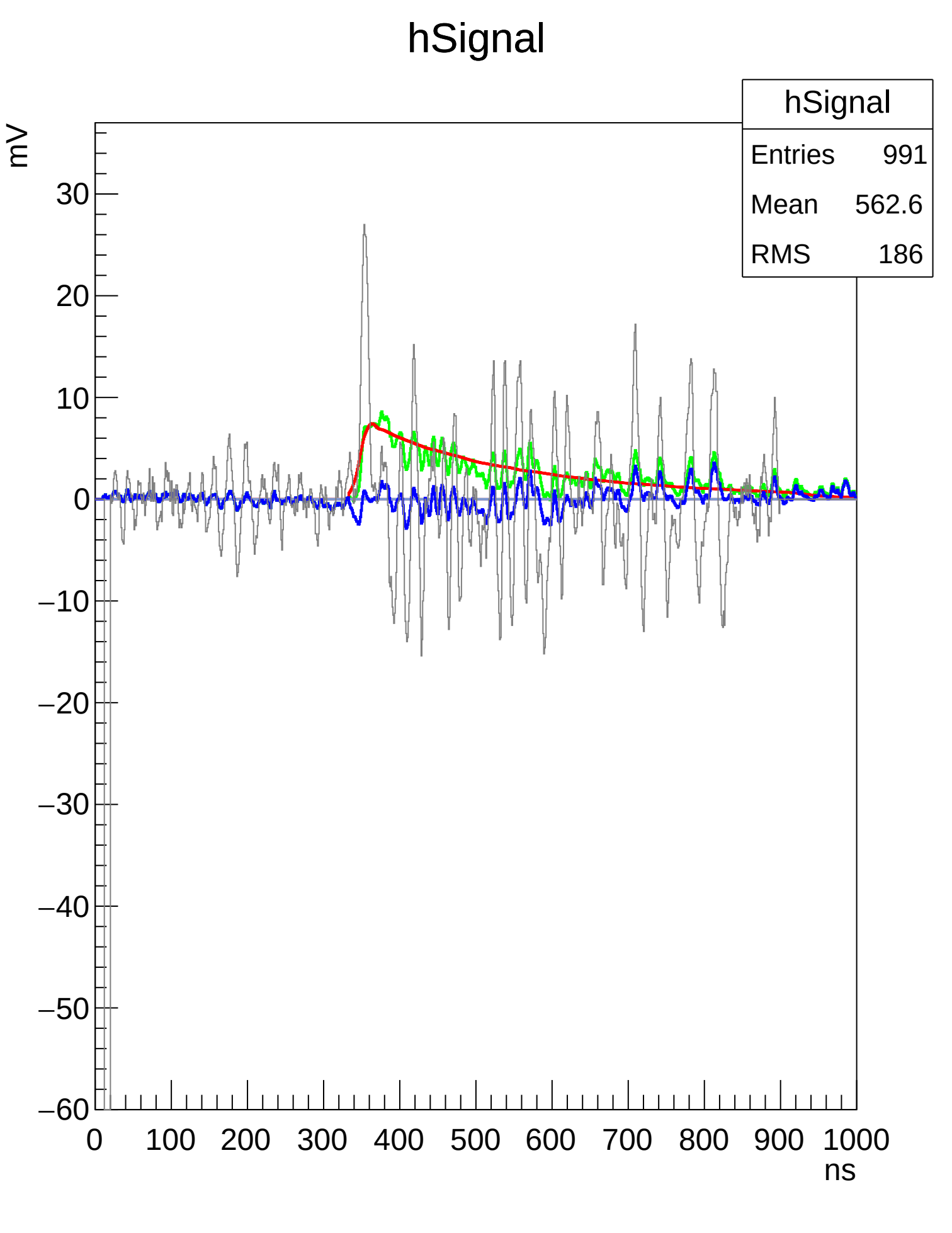
1000
ns


hSignal
hSignal
Entries 991
Mean 562.6
RMS 186
mV
30
20
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−50
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0
100
200
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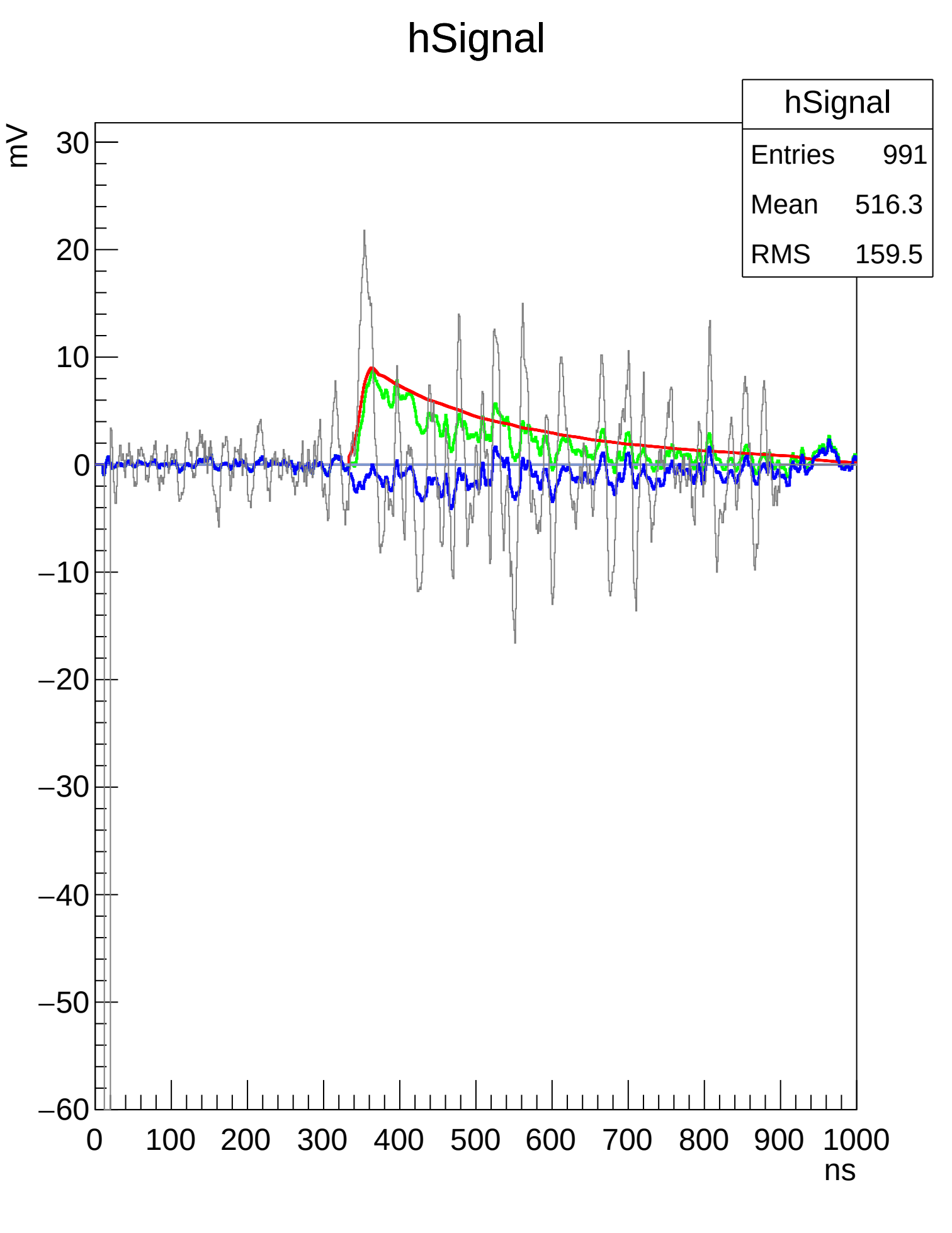
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.3
RMS 159.5
mV
30
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10
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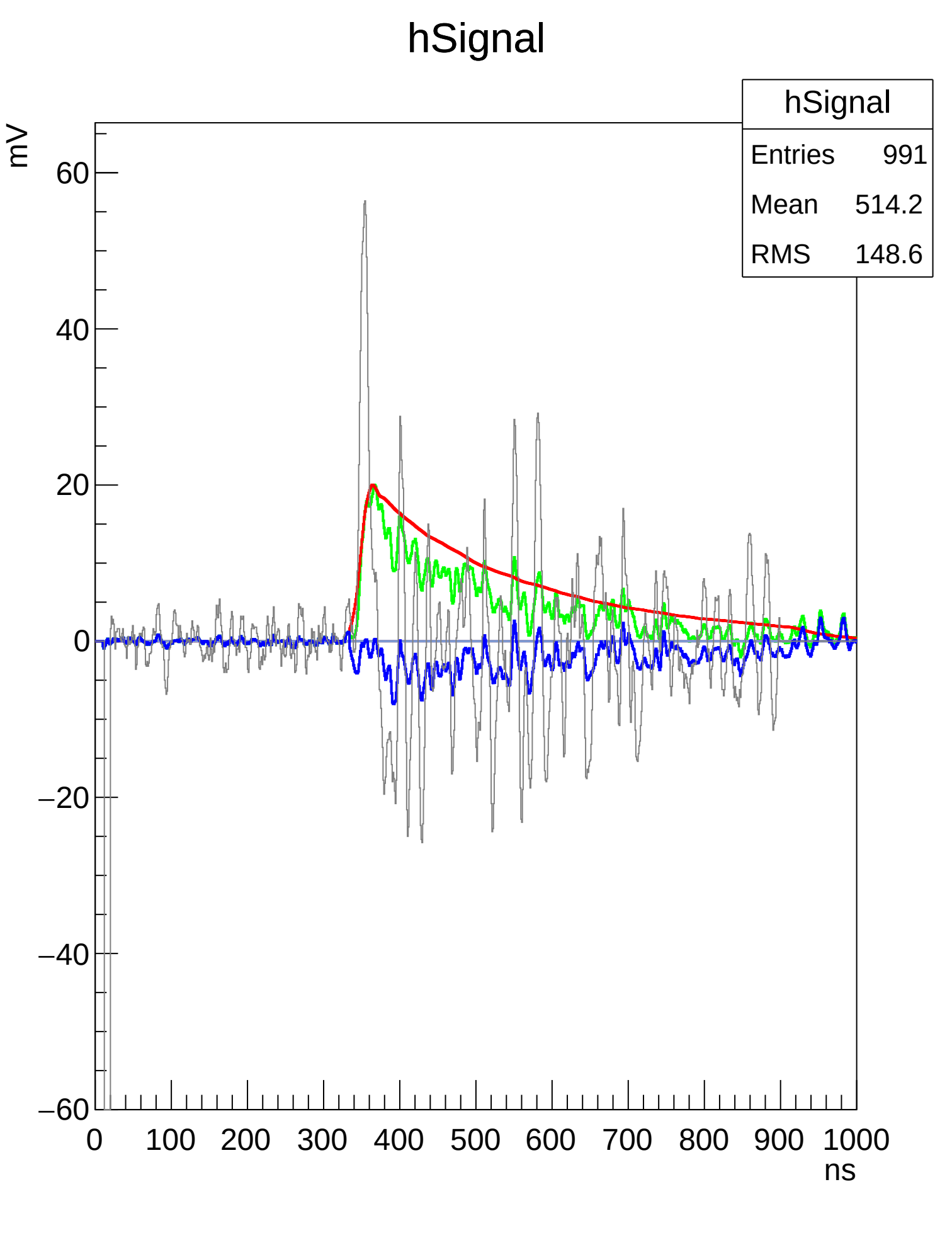
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.2
RMS 148.6
mV
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−20
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−60
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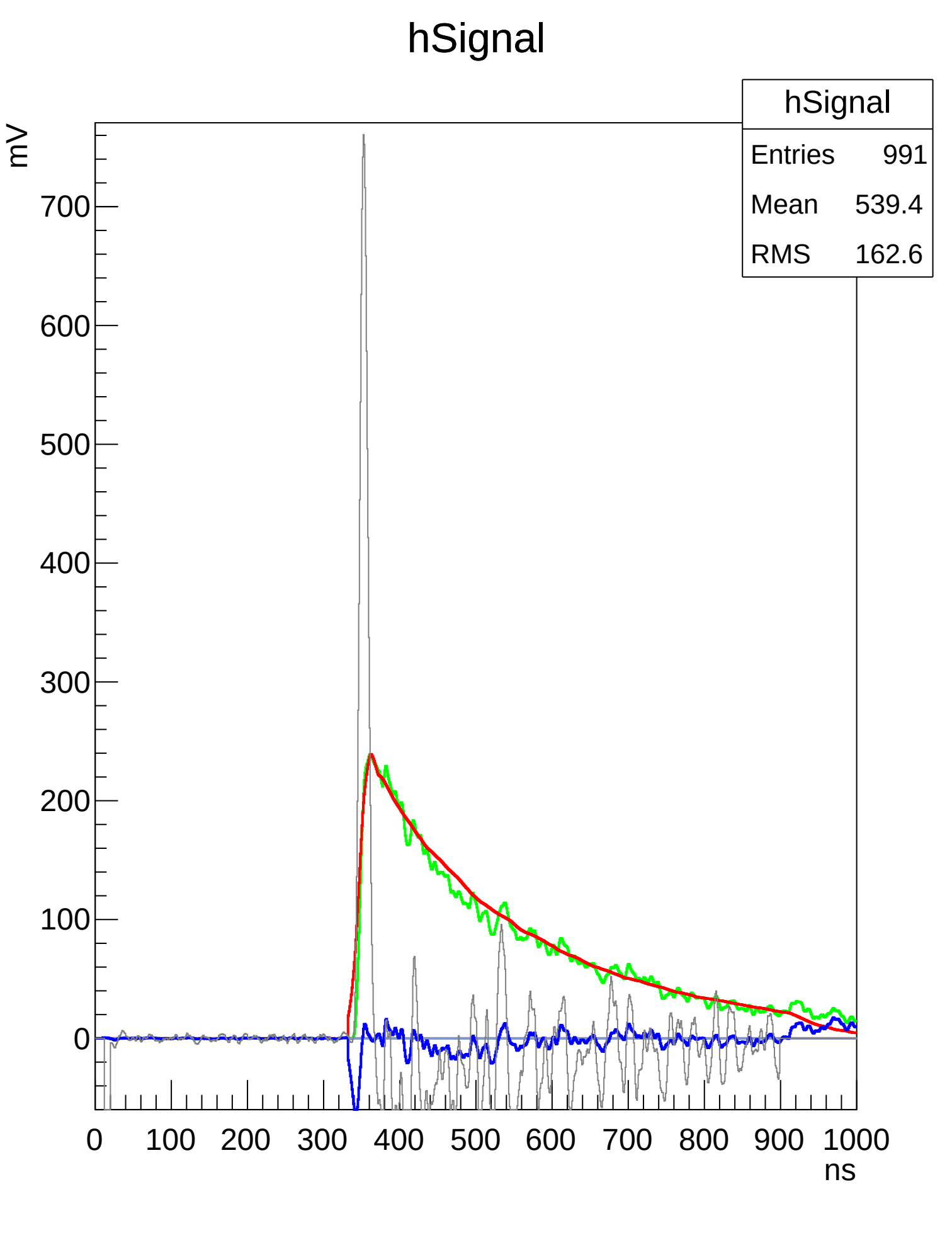
1000
ns


hSignal
hSignal
Entries 991
Mean 539.4
RMS 162.6
mV
700
600
500
400
300
200
100
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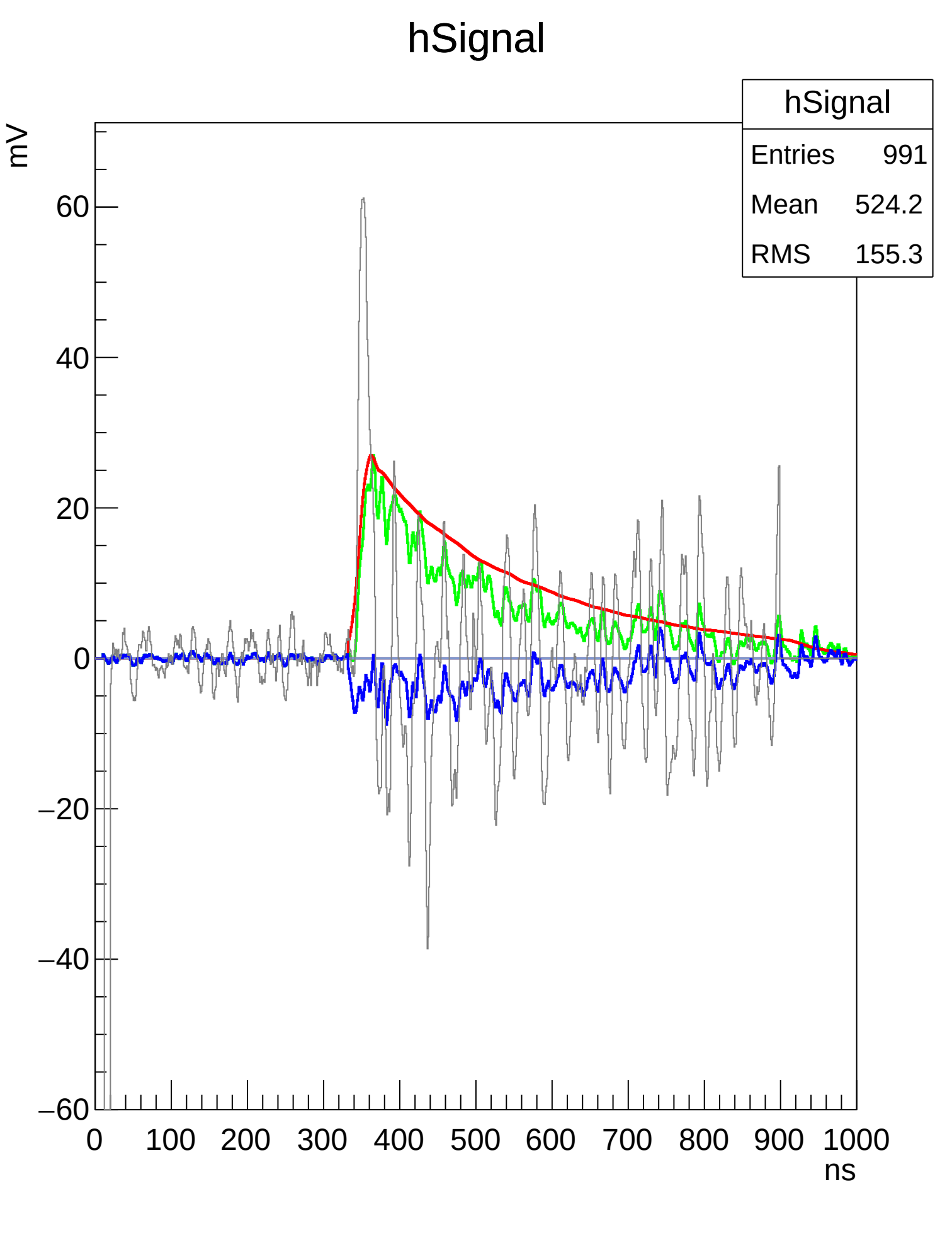
ns


hSignal
hSignal
Entries 991
Mean 524.2
RMS 155.3
mV
60
40
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−20
−40
−60
0
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400
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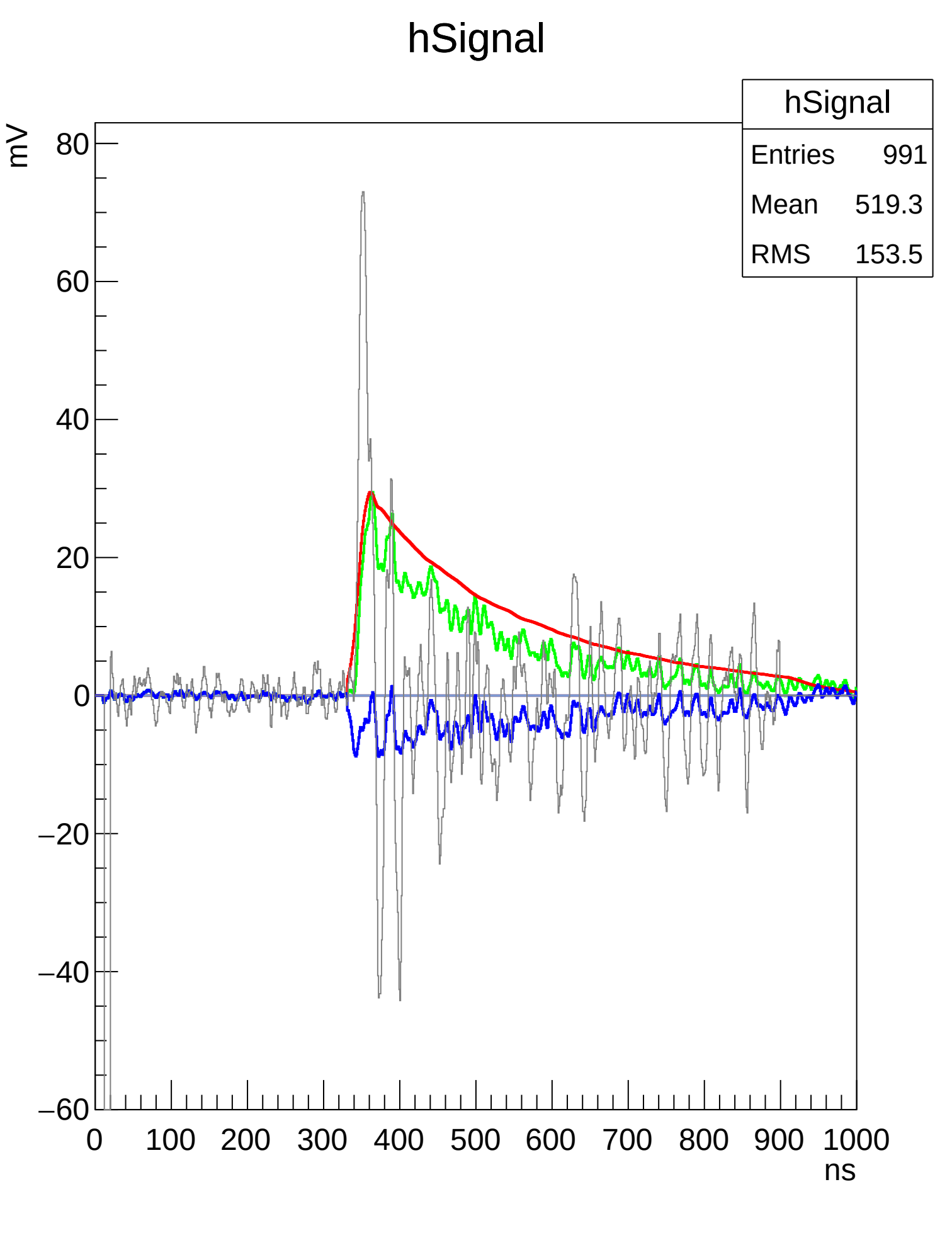
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.3
RMS 153.5
mV
80
60
40
20
0
−20
−40
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0
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400
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1000
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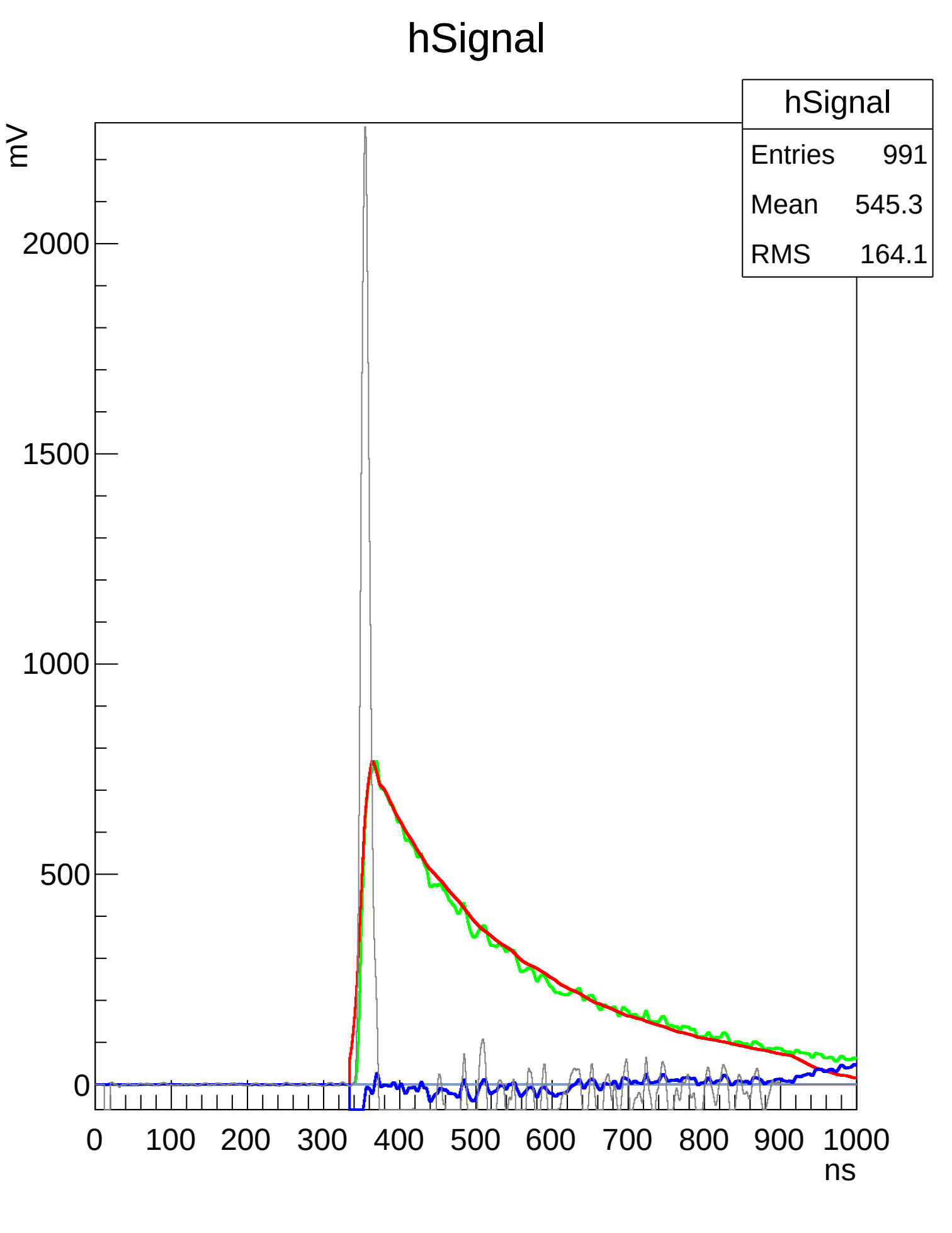
hSignal
hSignal
Entries 991
Mean 545.3
RMS 164.1
mV
2000
1500
1000
500
0
0
100
200
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400
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600
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800
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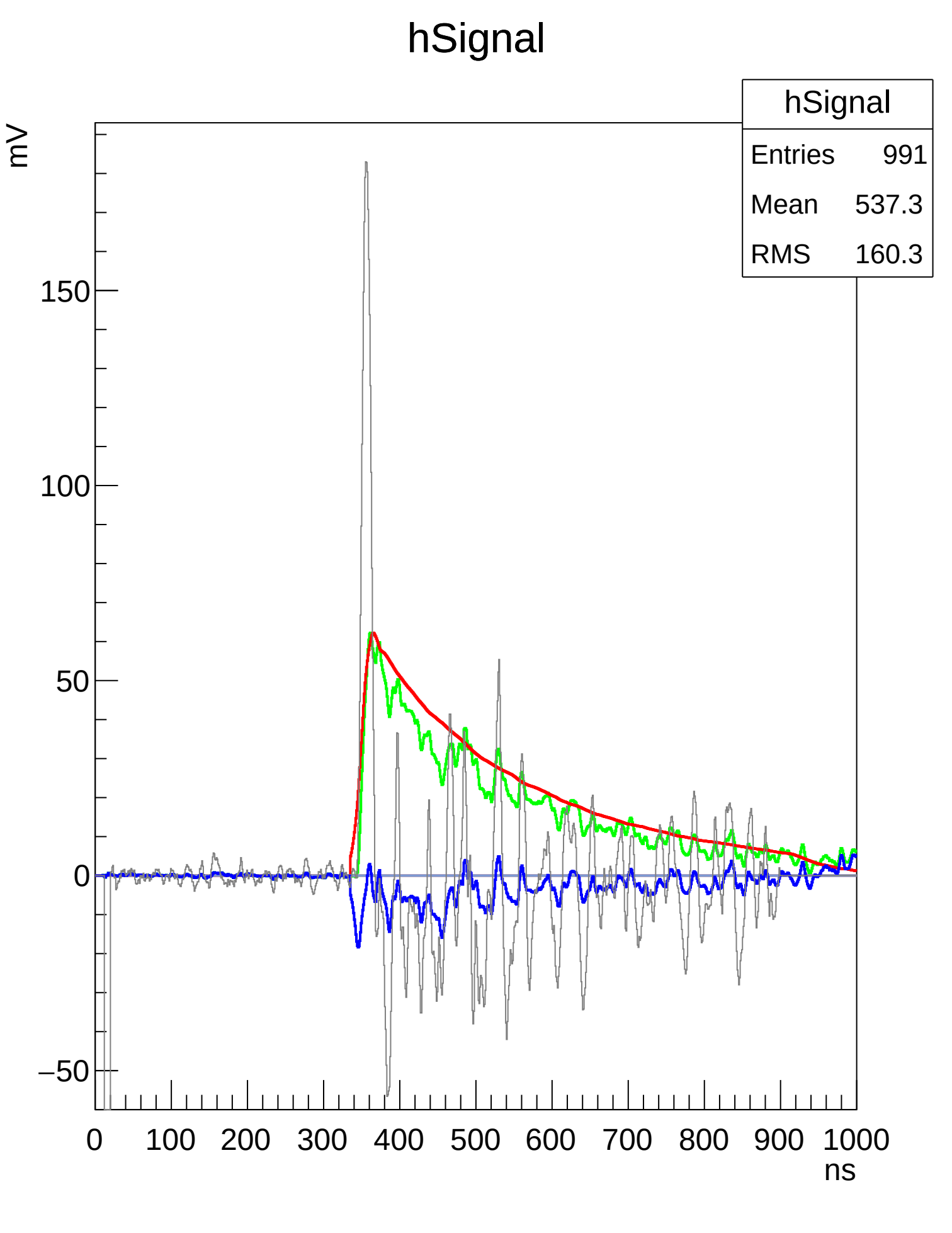
1000
ns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hSignal
Entries 991
Mean 537.3
RMS 160.3
mV
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100
50
0
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0
100
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800
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1000
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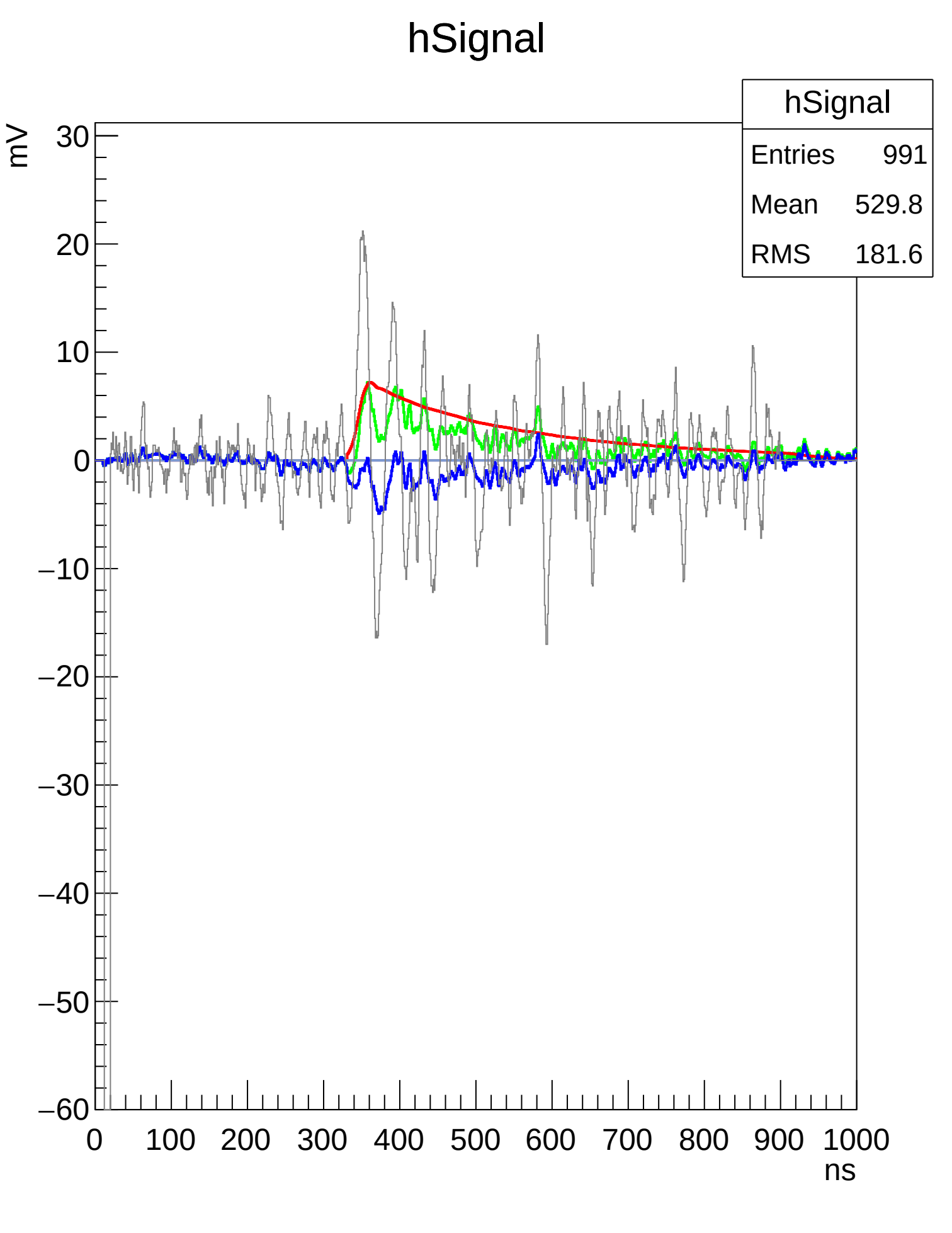
hSignal
hSignal
Entries 991
Mean 529.8
RMS 181.6
mV
30
20
10
0
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−40
−50
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0
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400
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800
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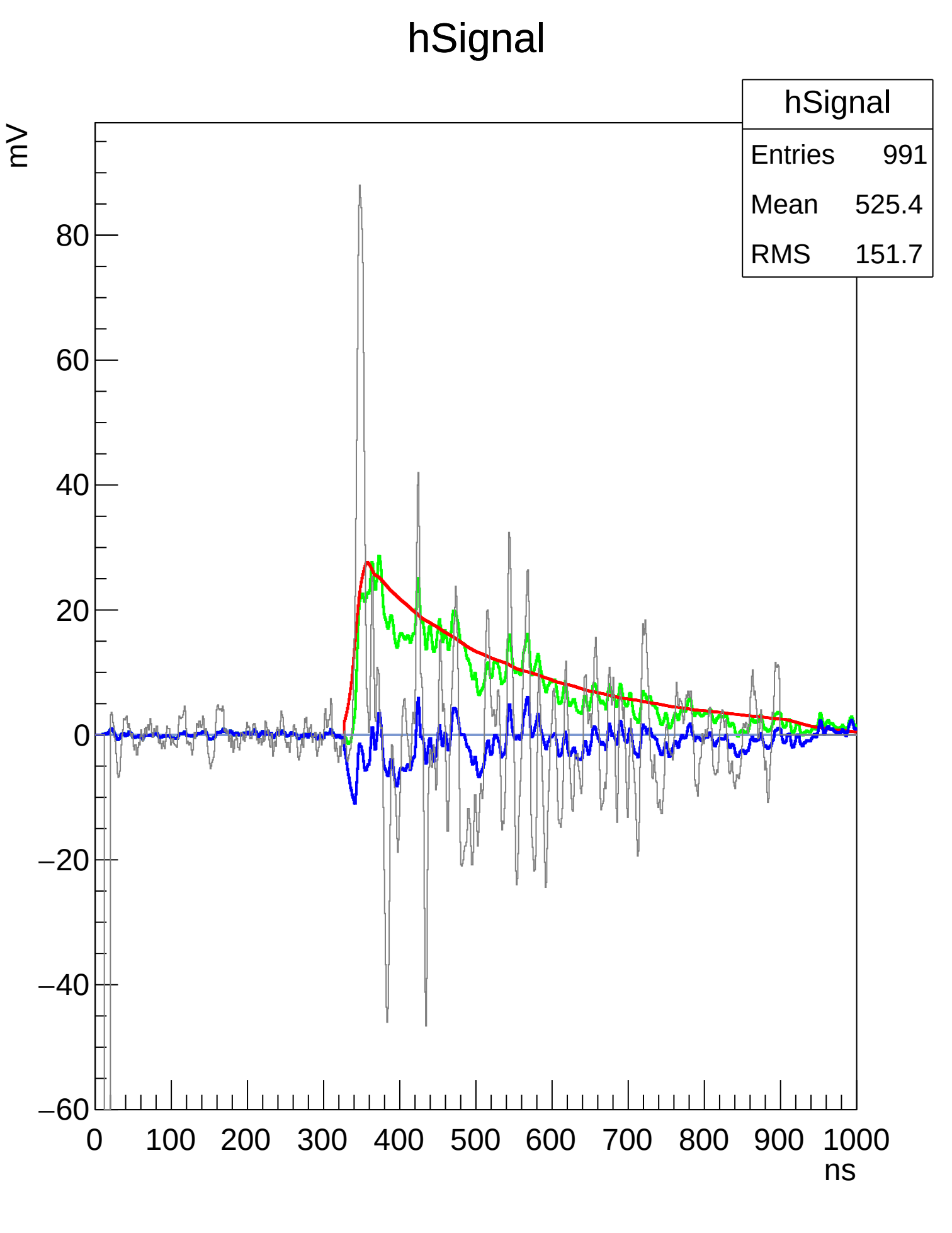
1000
ns


hSignal
hSignal
Entries 991
Mean 525.4
RMS 151.7
mV
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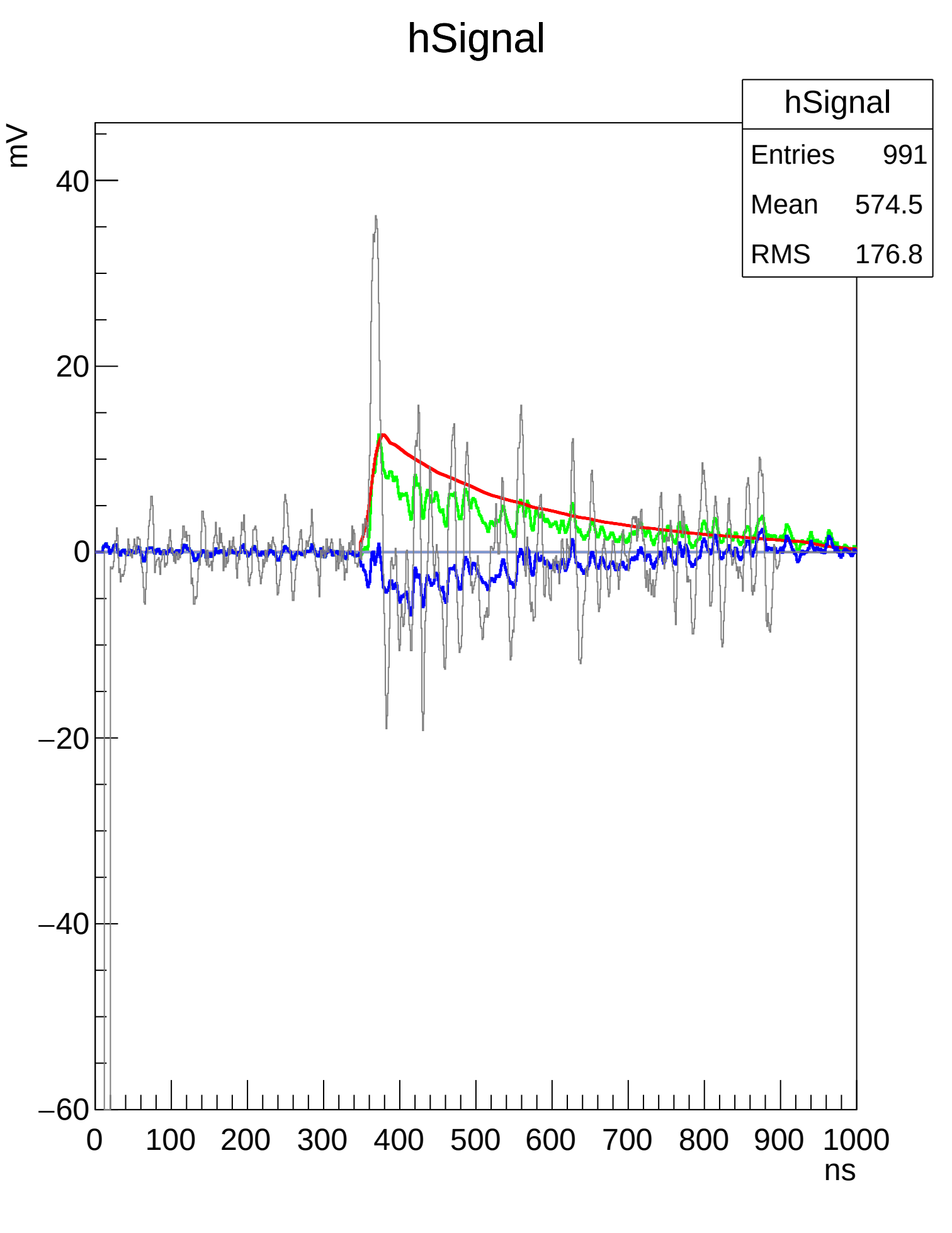
hSignal
hSignal
Entries 991
Mean 574.5
RMS 176.8
mV
40
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−20
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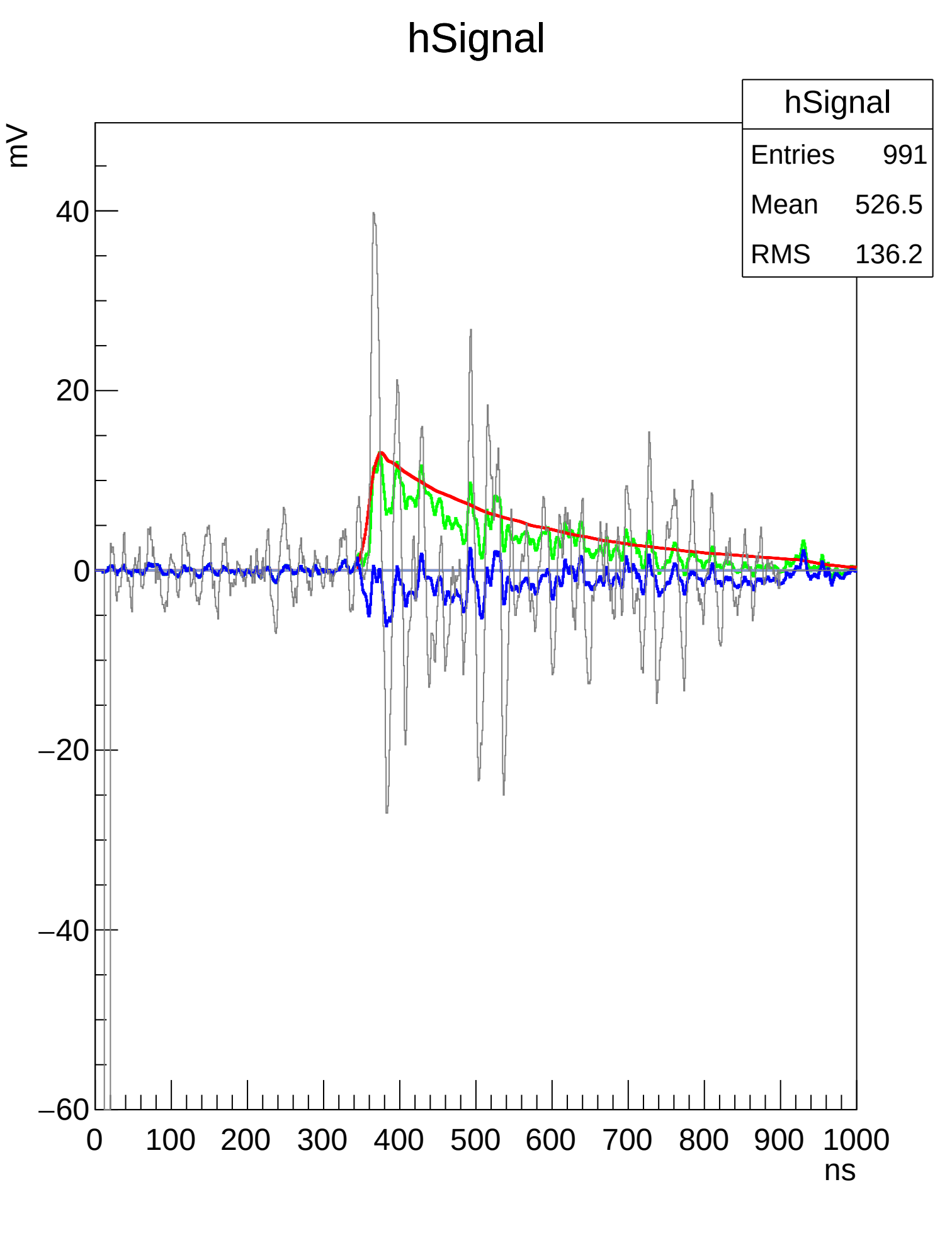
hSignal
hSignal
Entries 991
Mean 526.5
RMS 136.2
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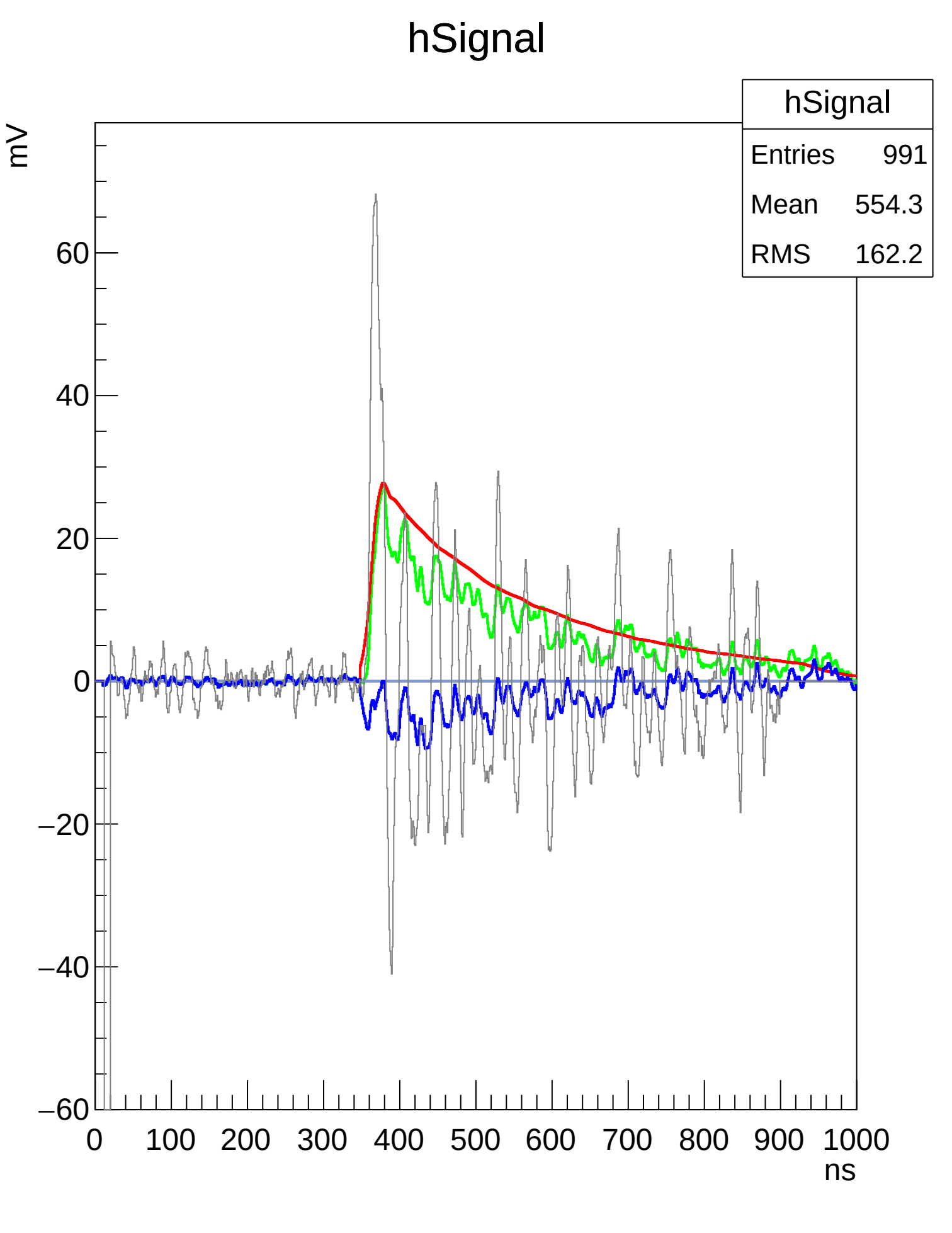
hSignal
hSignal
Entries 991
Mean 554.3
RMS 162.2
mV
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−40
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0
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800
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1000
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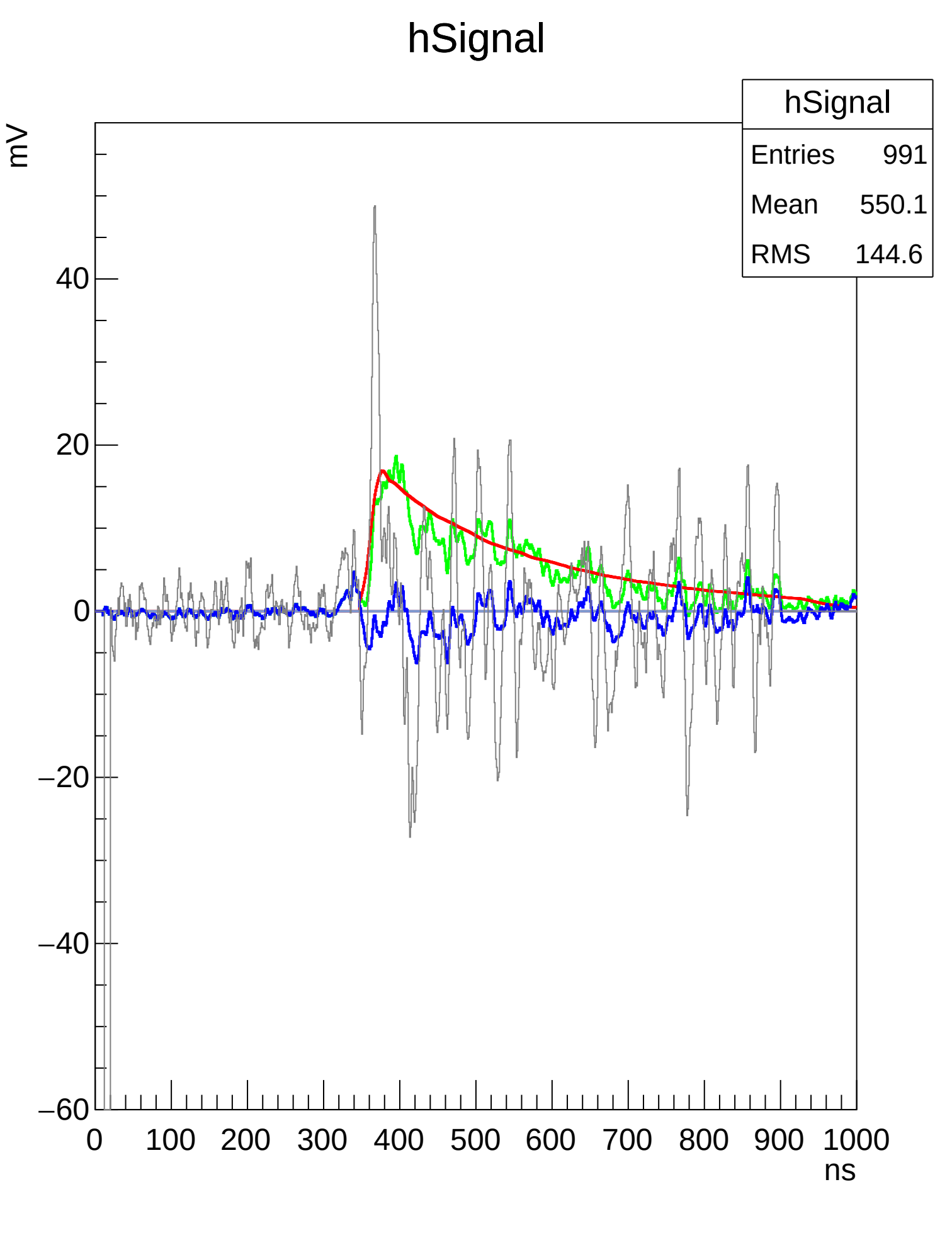
hSignal
hSignal
Entries 991
Mean 550.1
RMS 144.6
mV
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800
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1000
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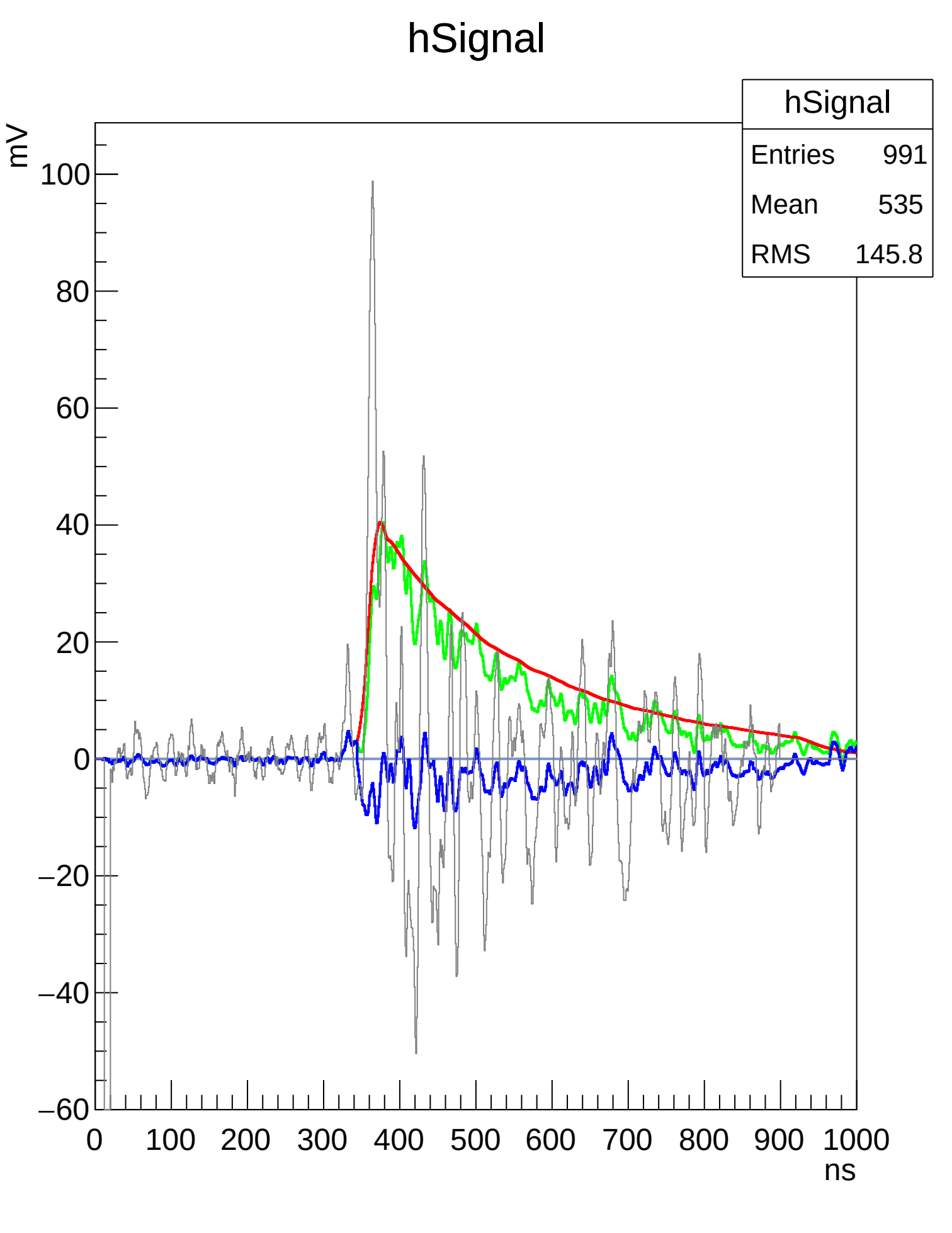
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hSignal
Entries 991
Mean 535
RMS 145.8
mV
100
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800
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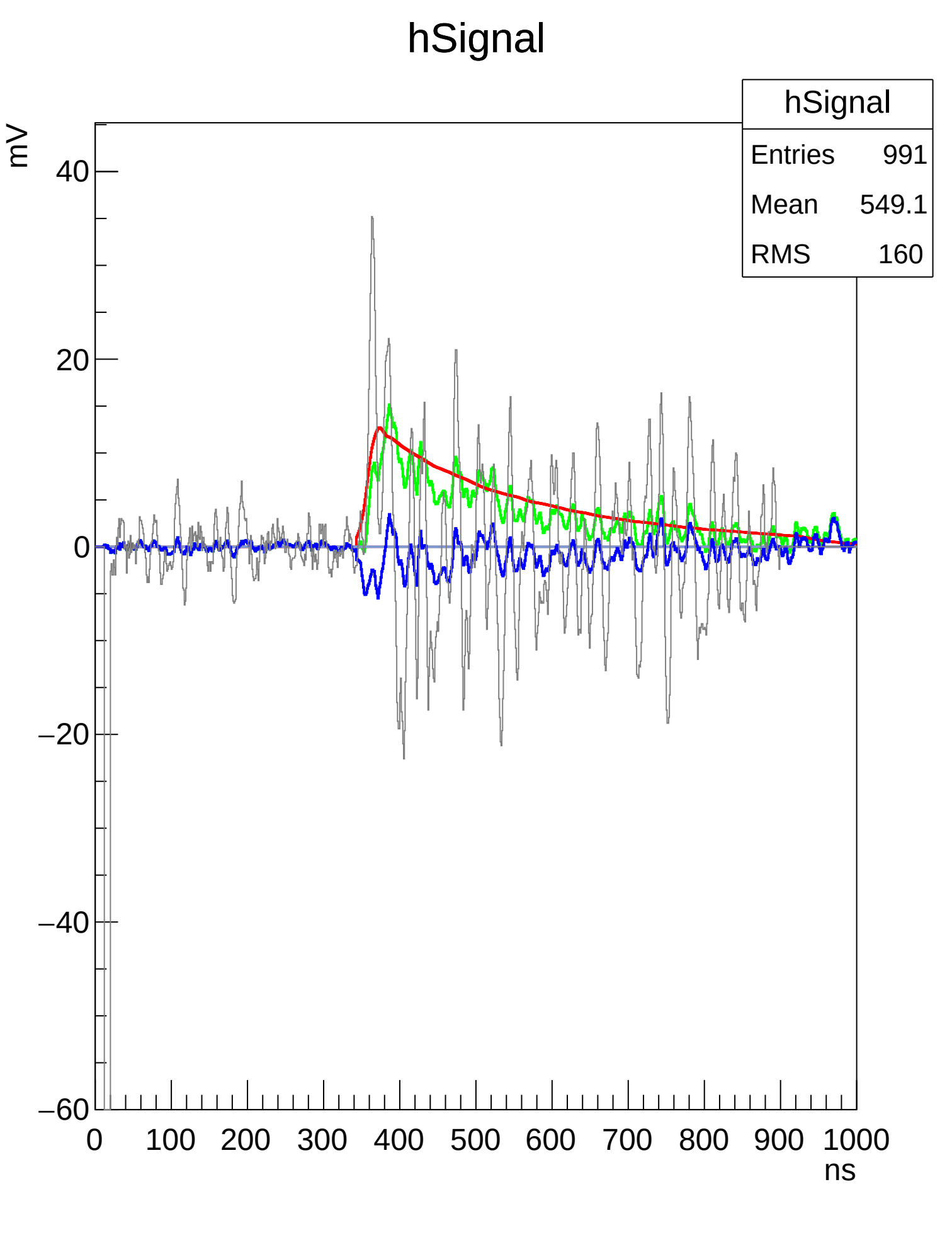
hSignal
hSignal
Entries 991
Mean 549.1
RMS 160
mV
40
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−20
−40
−60
0
100
200
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600
700
800
900
1000
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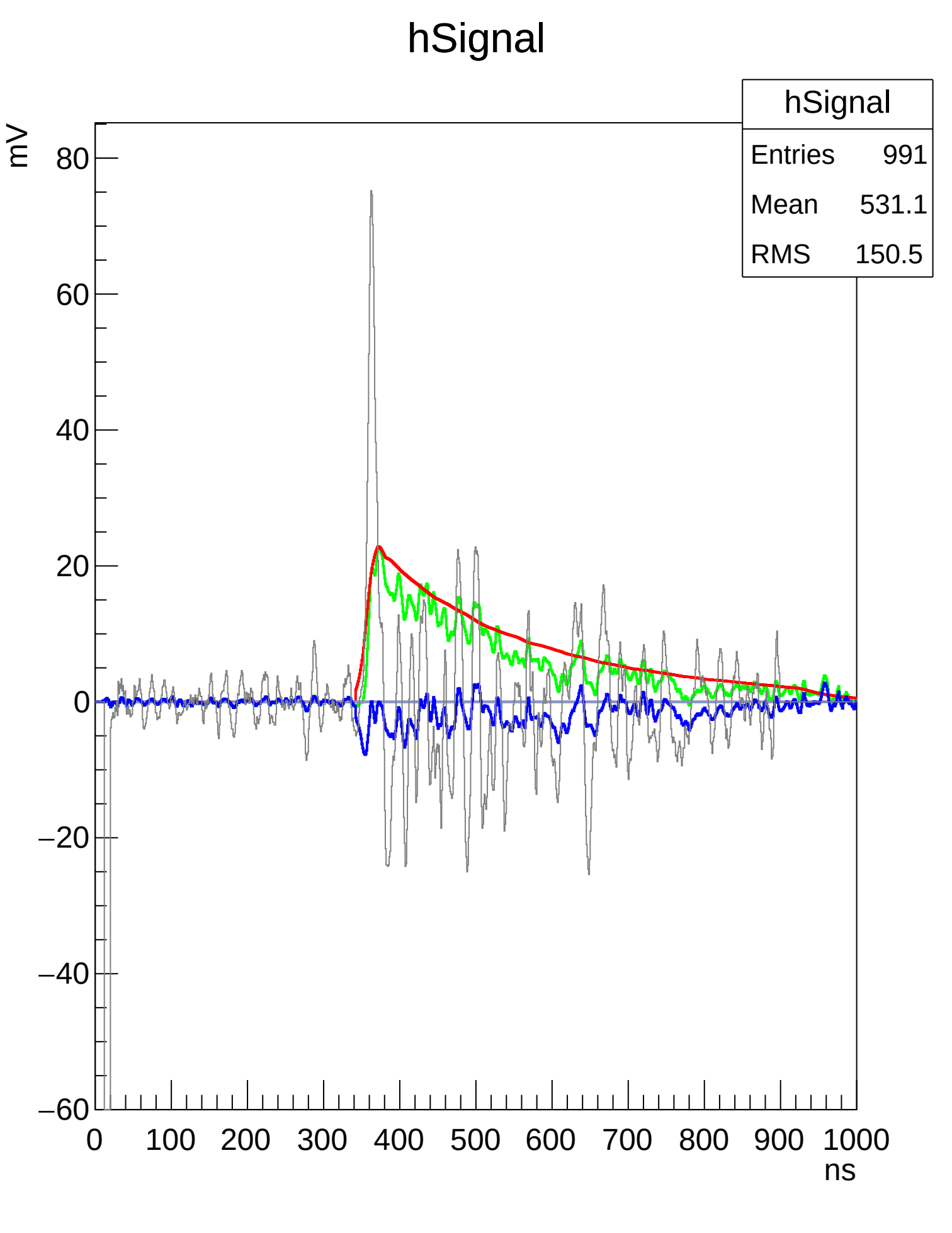
hSignal
hSignal
Entries 991
Mean 531.1
RMS 150.5
mV
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1000
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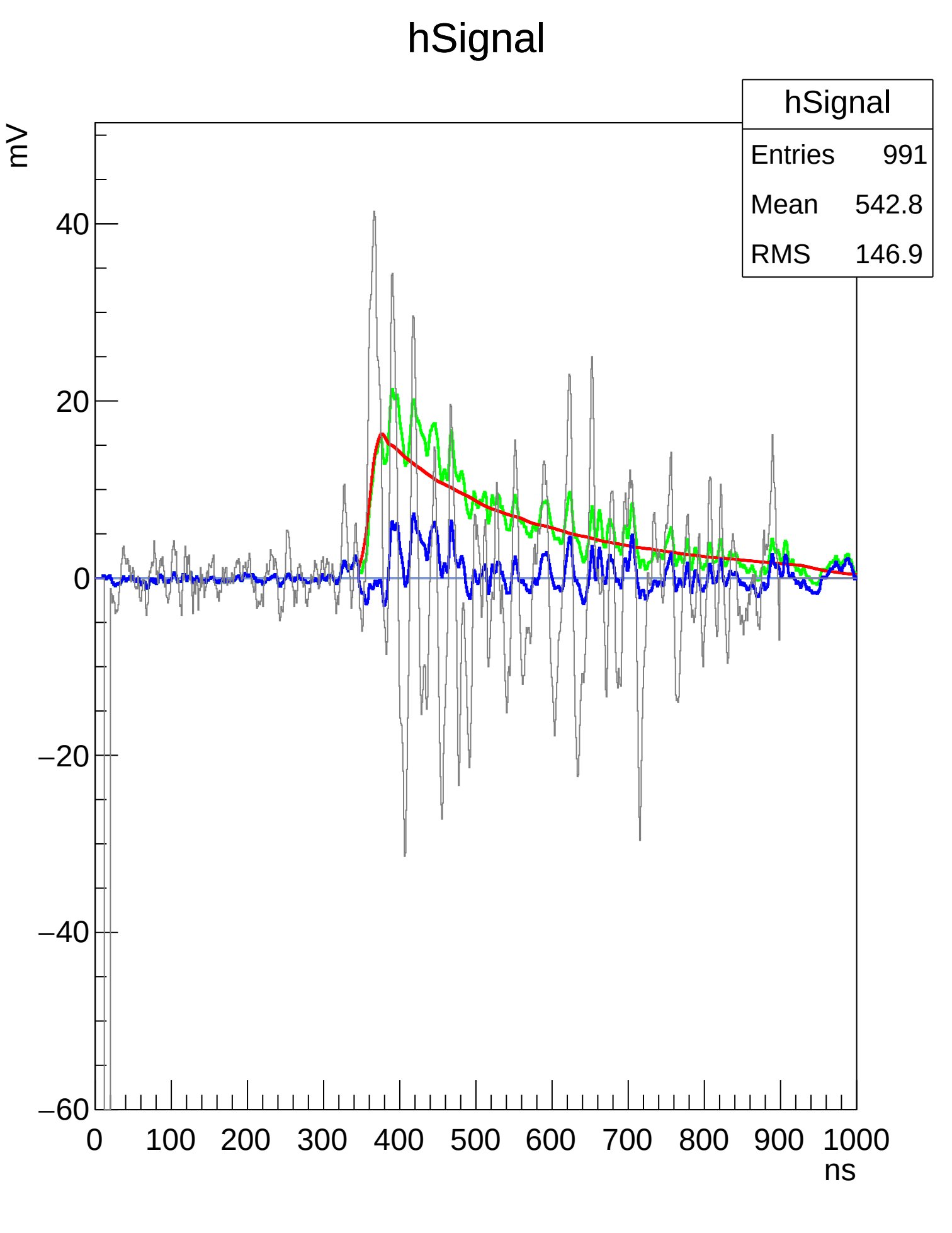
hSignal
hSignal
Entries 991
Mean 542.8
RMS 146.9
mV
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1000
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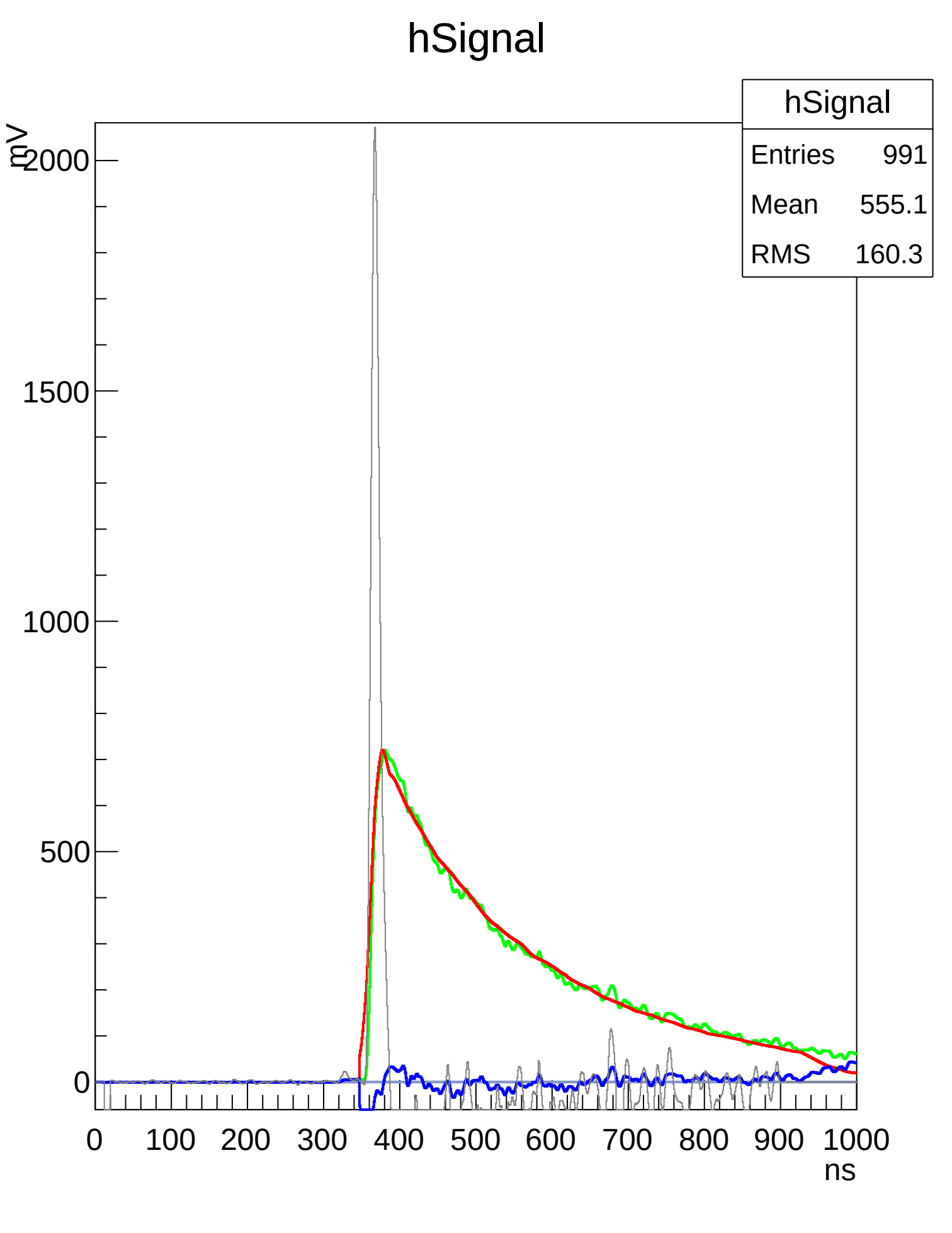
hSignal
hSignal
Entries 991
Mean 555.1
RMS 160.3
mV
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1500
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100
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800
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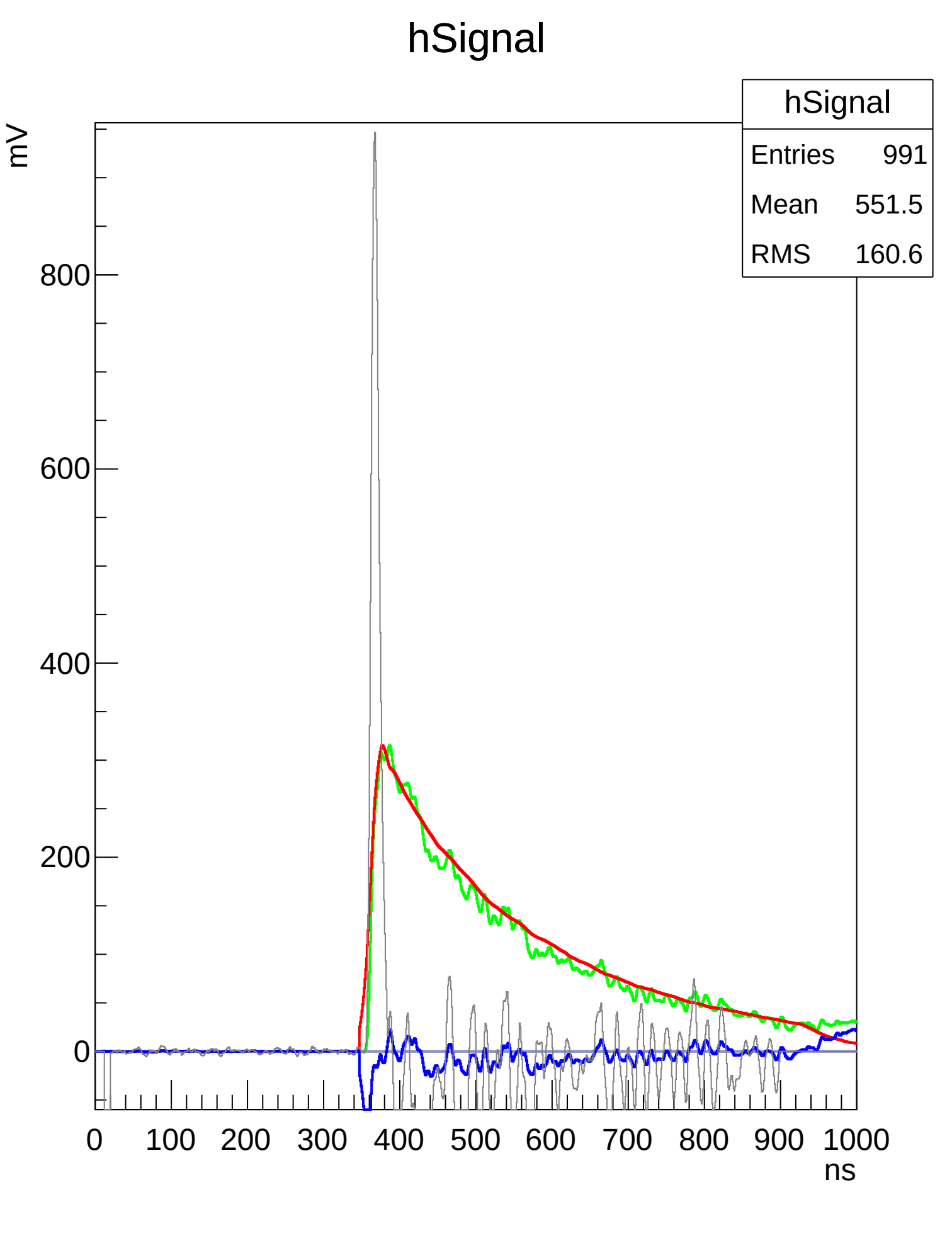
1000
ns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hSignal
Entries 991
Mean 551.5
RMS 160.6
mV
800
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400
200
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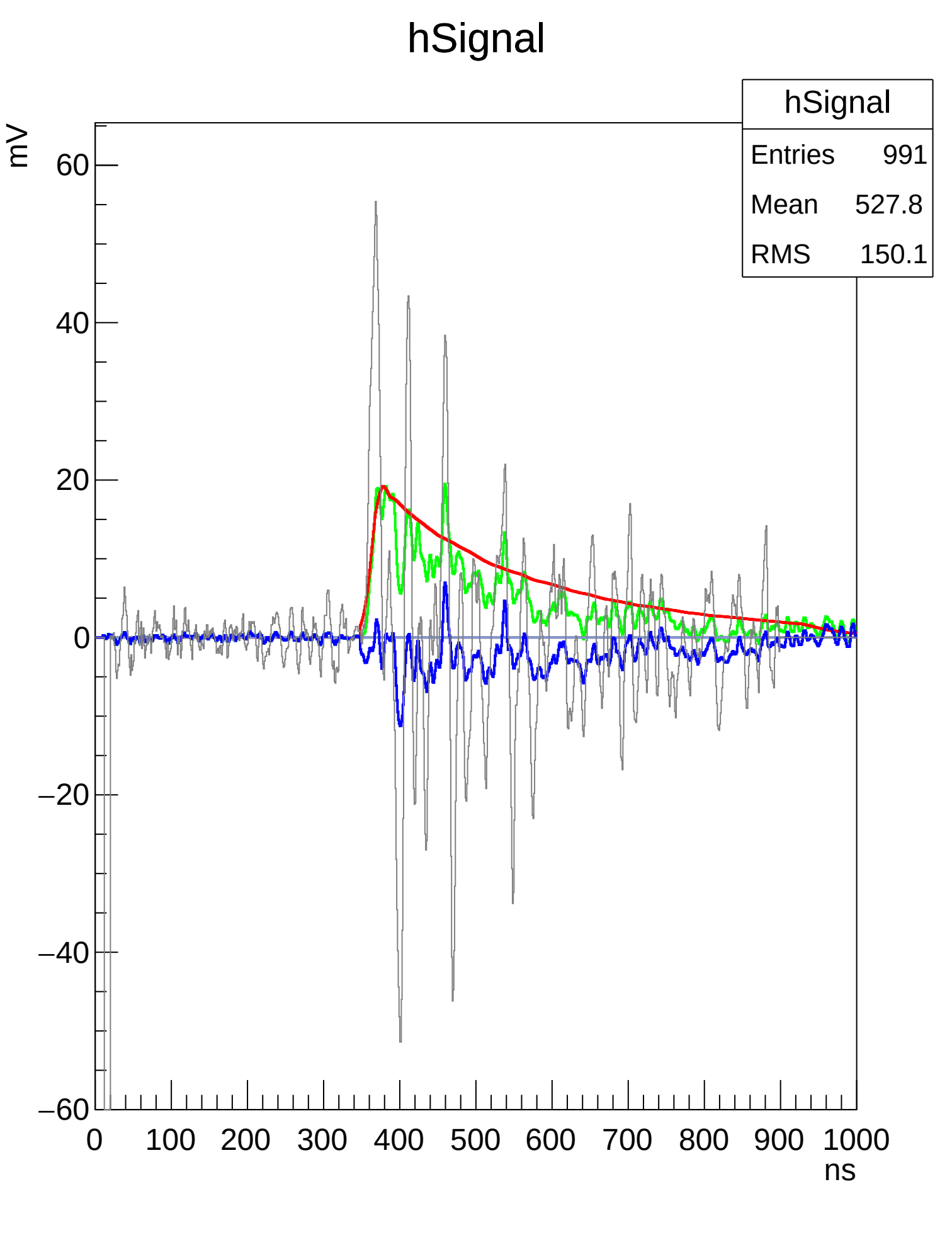
ns


hSignal
hSignal
Entries 991
Mean 527.8
RMS 150.1
mV
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400
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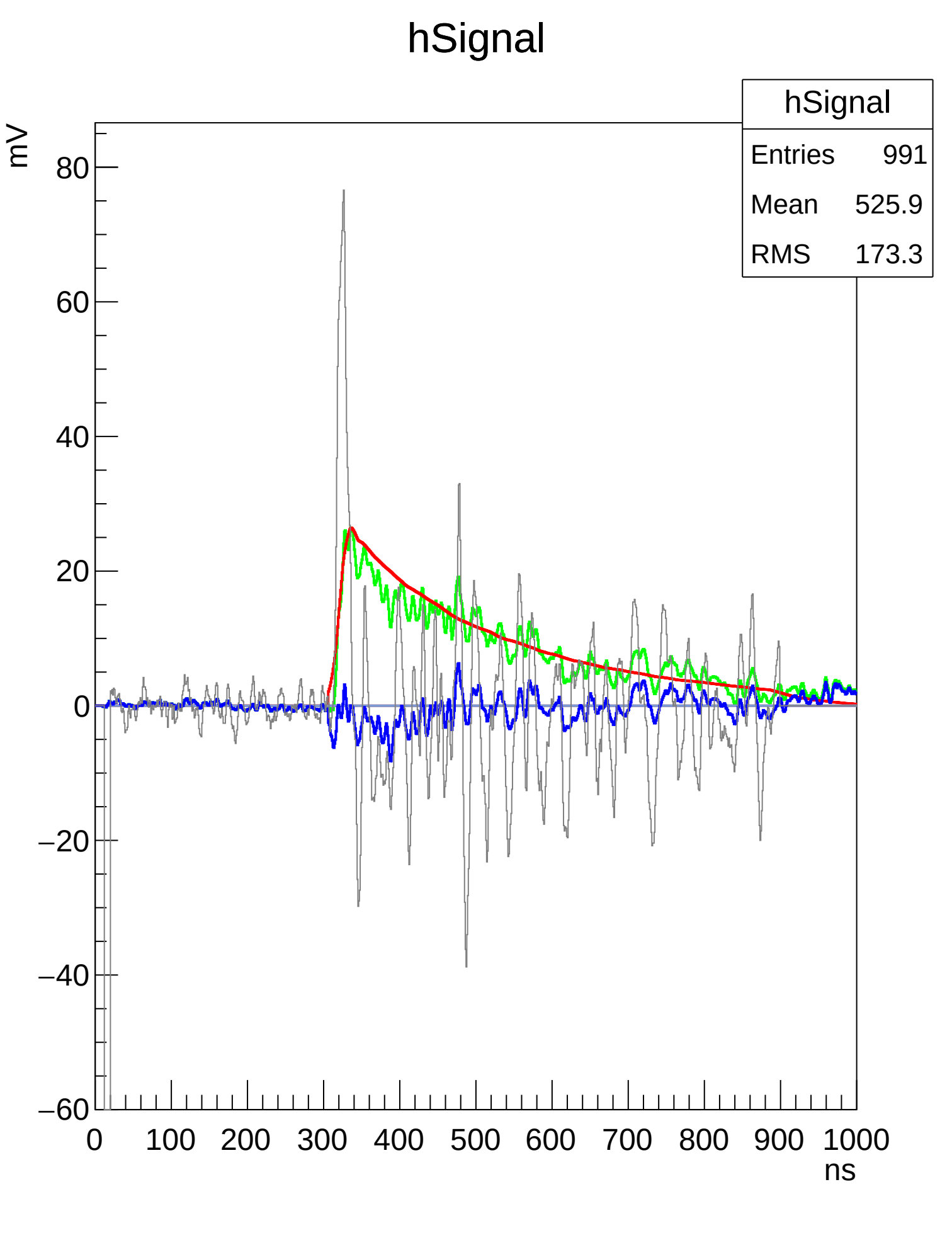
hSignal
hSignal
Entries 991
Mean 525.9
RMS 173.3
mV
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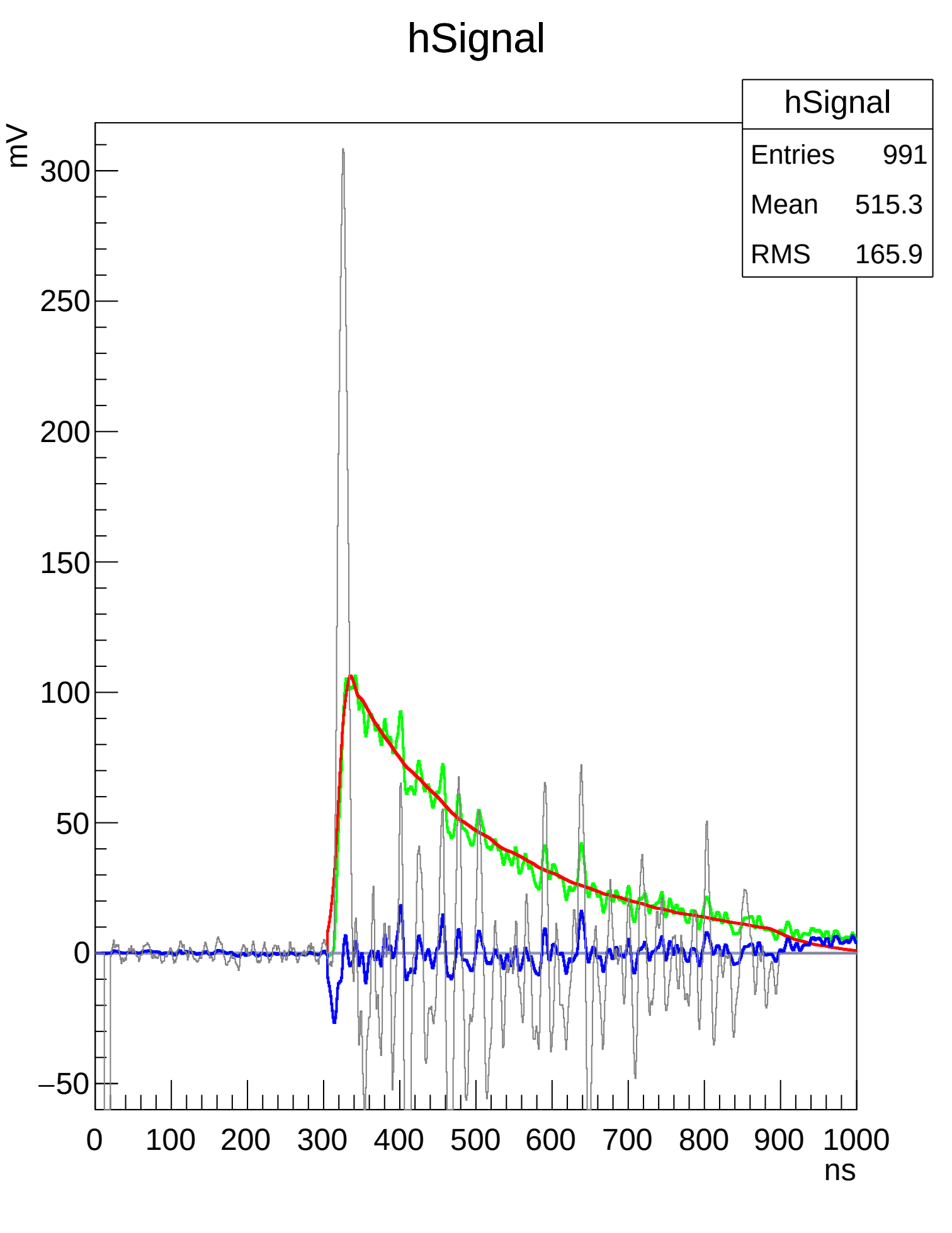
hSignal
hSignal
Entries 991
Mean 515.3
RMS 165.9
mV
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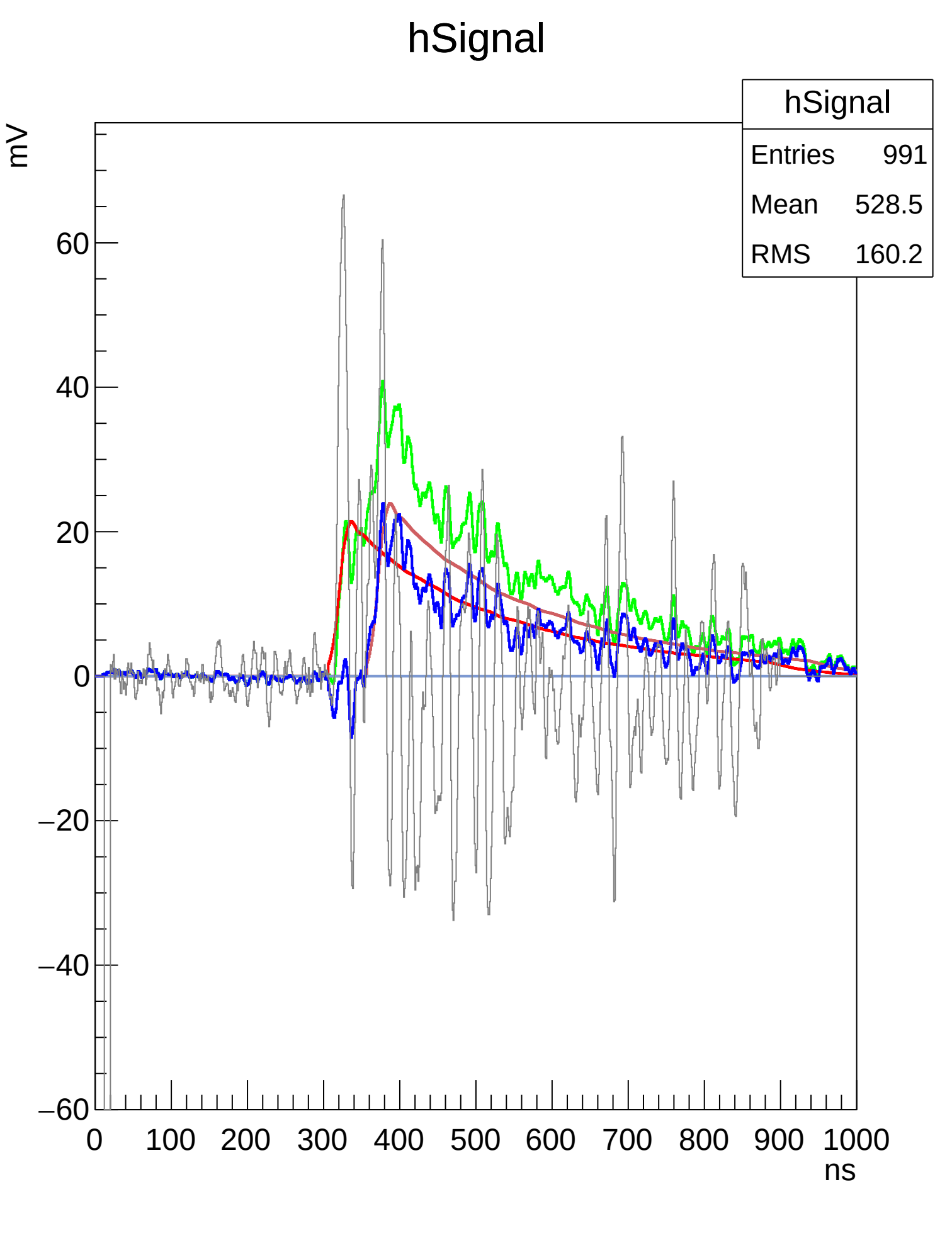
hSignal
hSignal
Entries 991
Mean 528.5
RMS 160.2
mV
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1000
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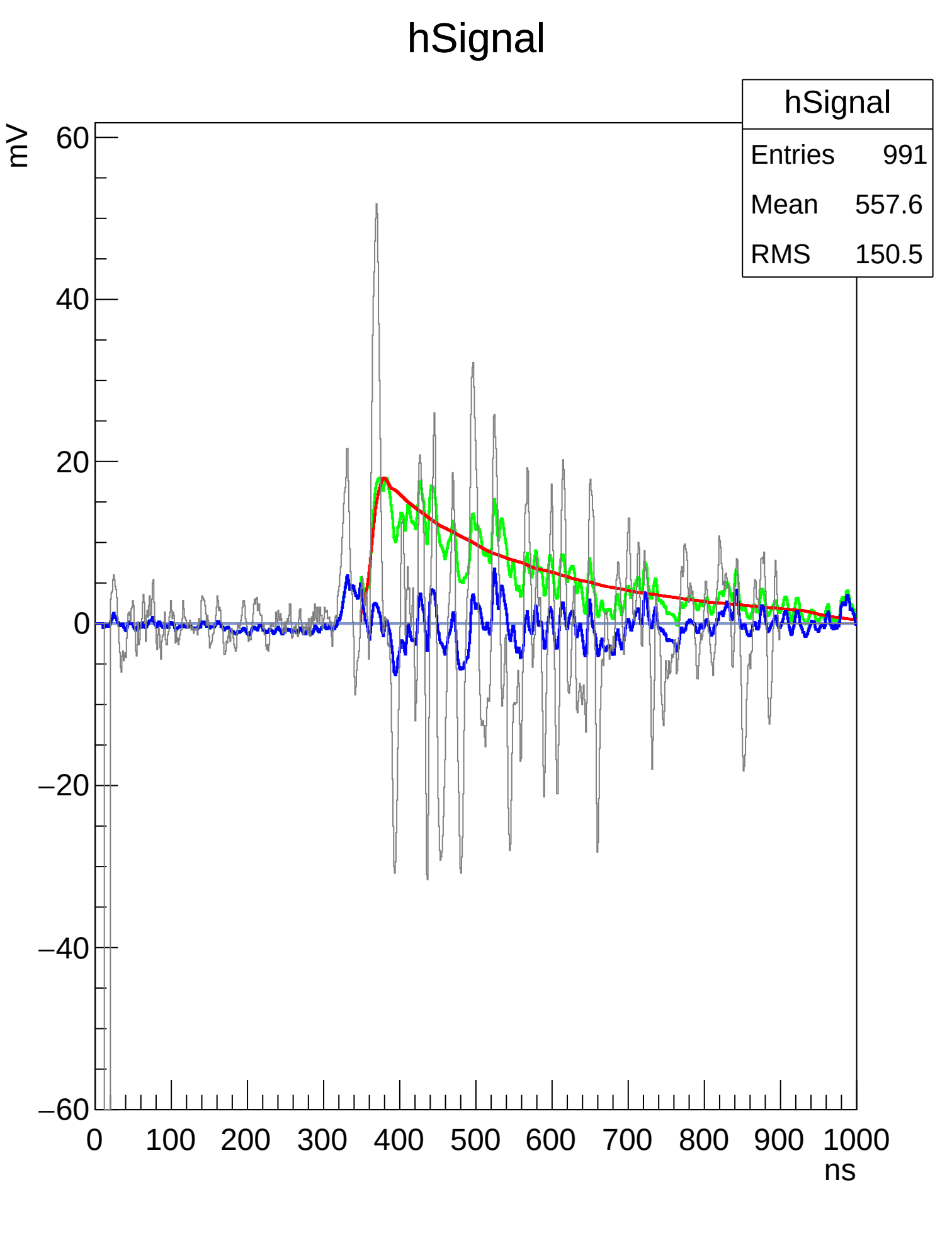
hSignal
hSignal
Entries 991
Mean 557.6
RMS 150.5
mV
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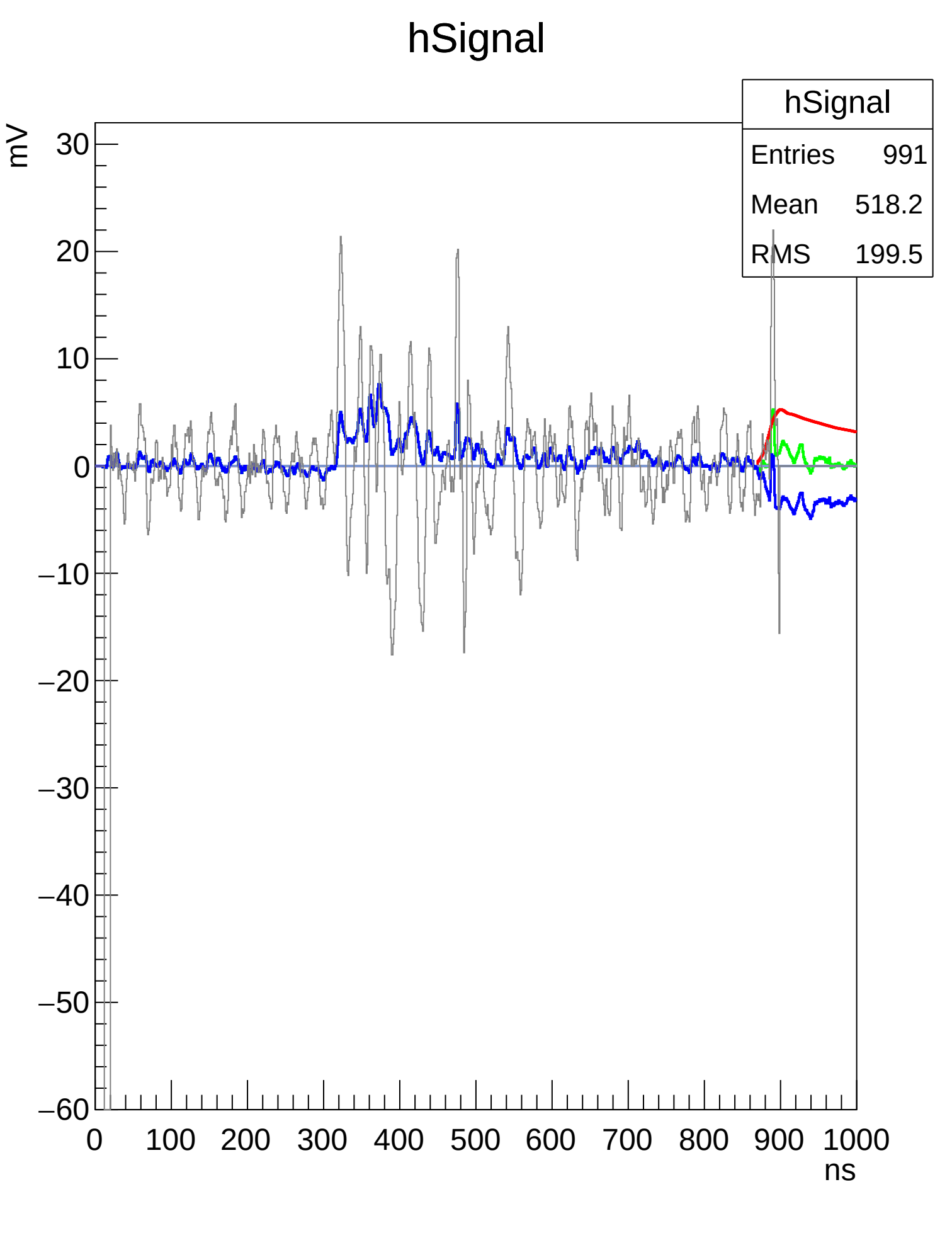
hSignal
hSignal
Entries 991
Mean 518.2
RMS 199.5
mV
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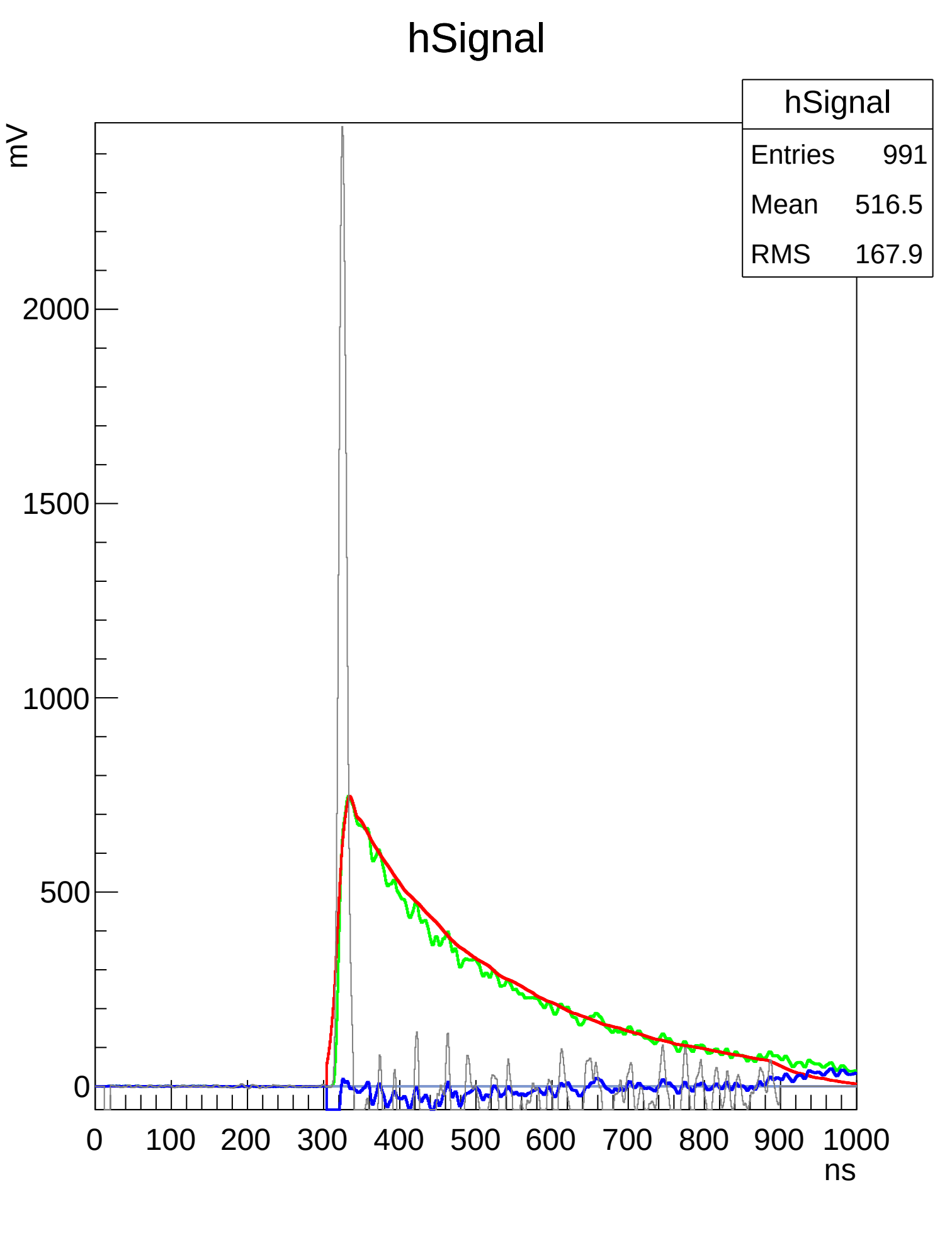
hSignal
hSignal
Entries 991
Mean 516.5
RMS 167.9
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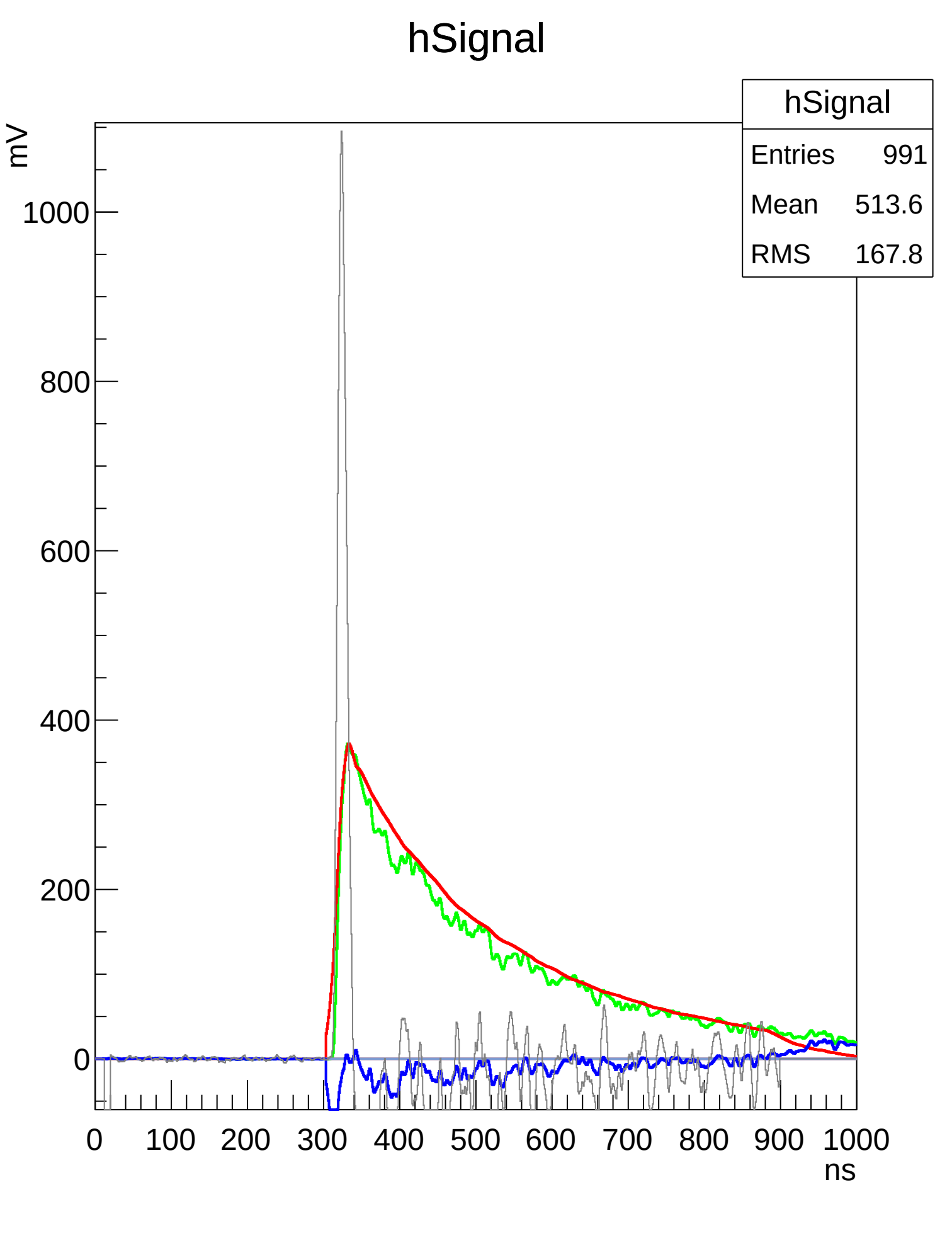
ns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RMS 167.8
mV
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400
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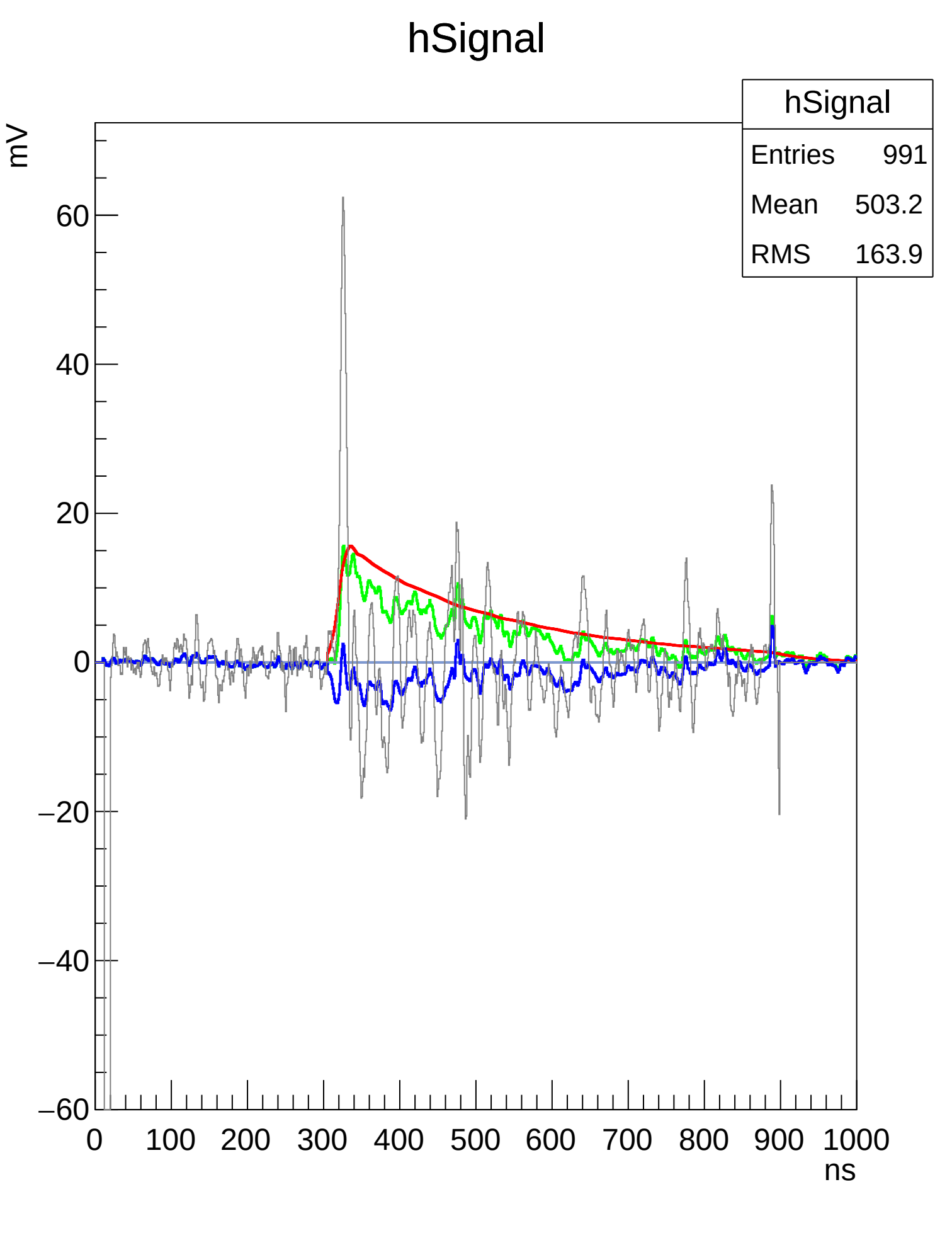
ns


hSignal
hSignal
Entries 991
Mean 503.2
RMS 163.9
mV
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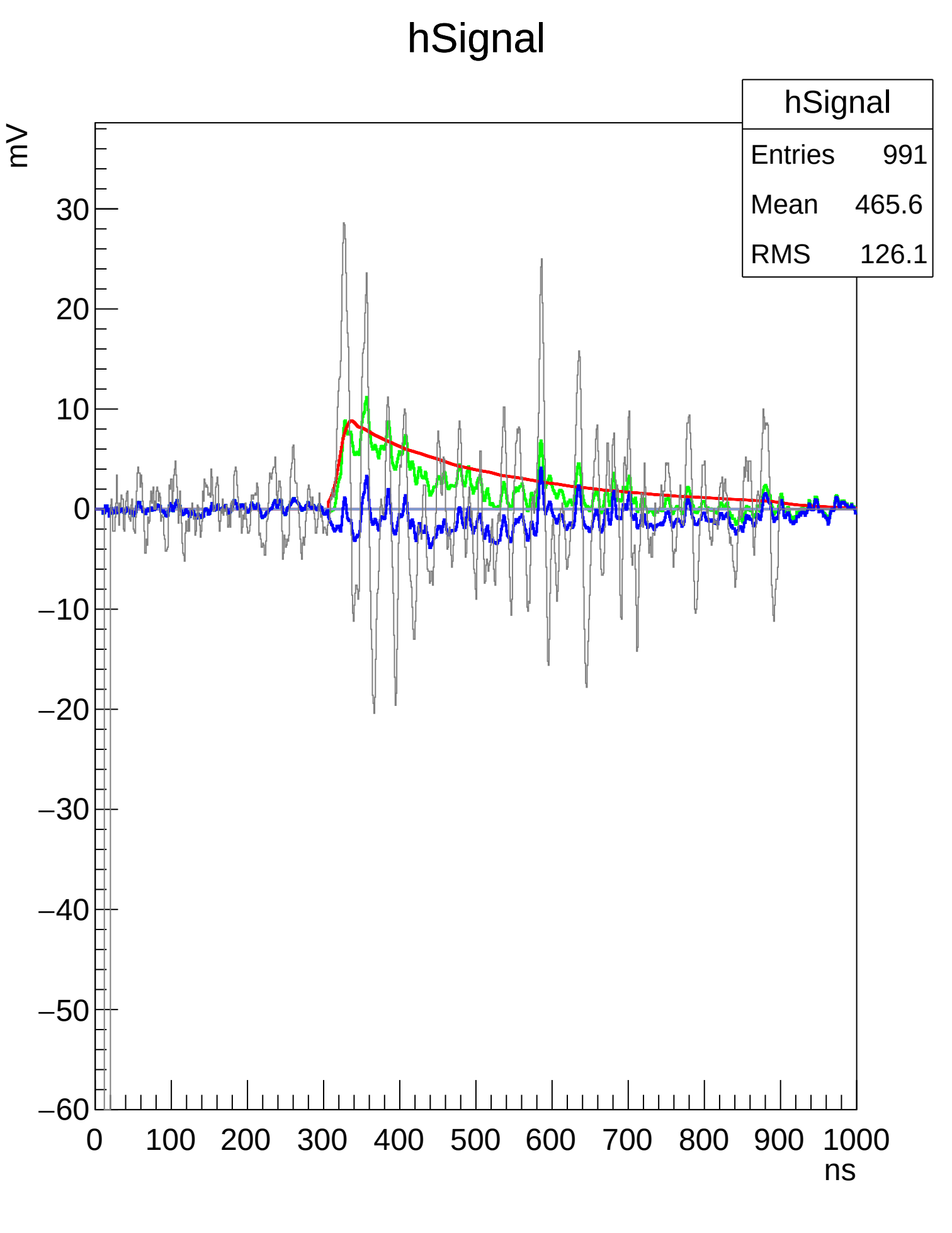
hSignal
hSignal
Entries 991
Mean 465.6
RMS 126.1
mV
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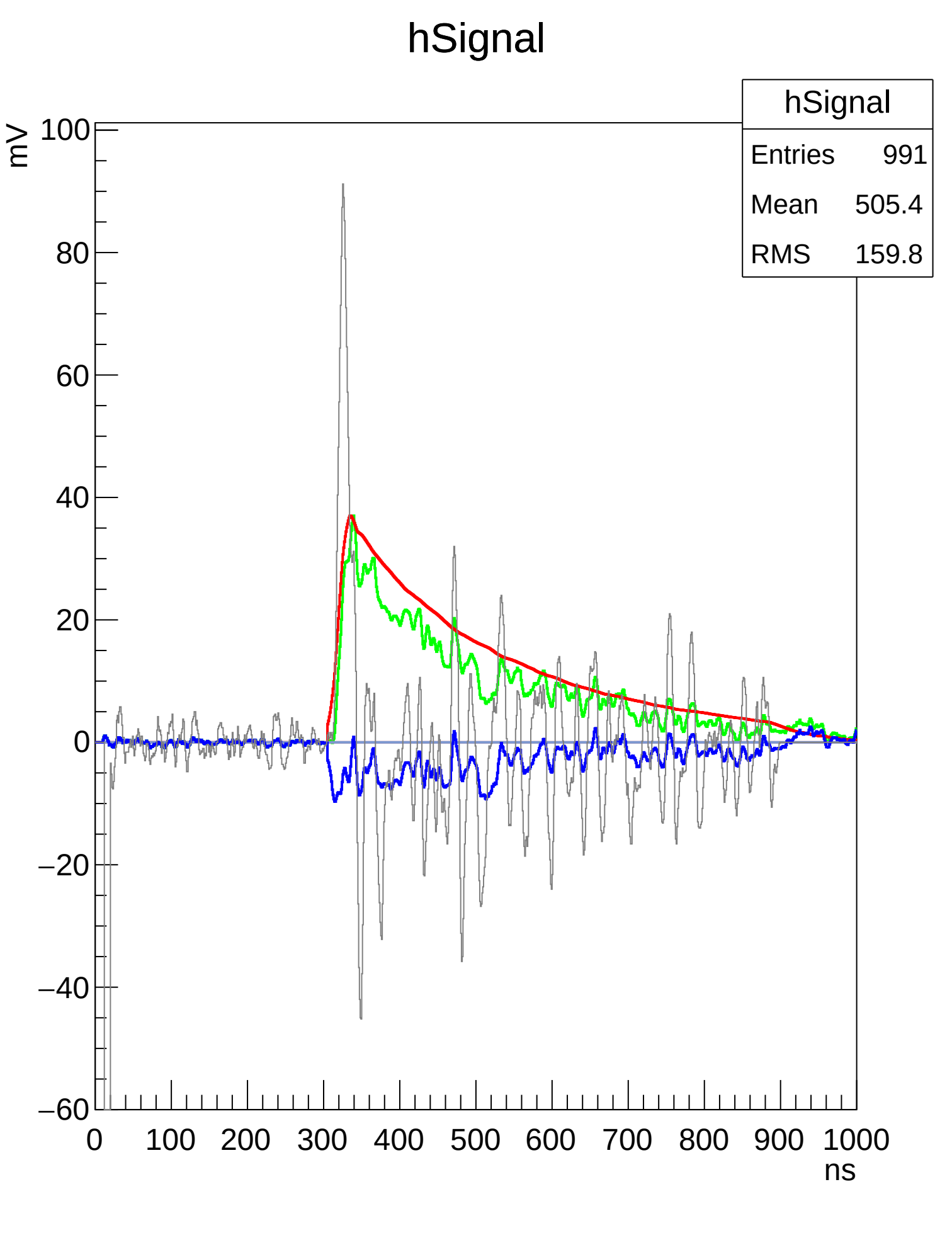
hSignal
hSignal
Entries 991
Mean 505.4
RMS 159.8
mV
100
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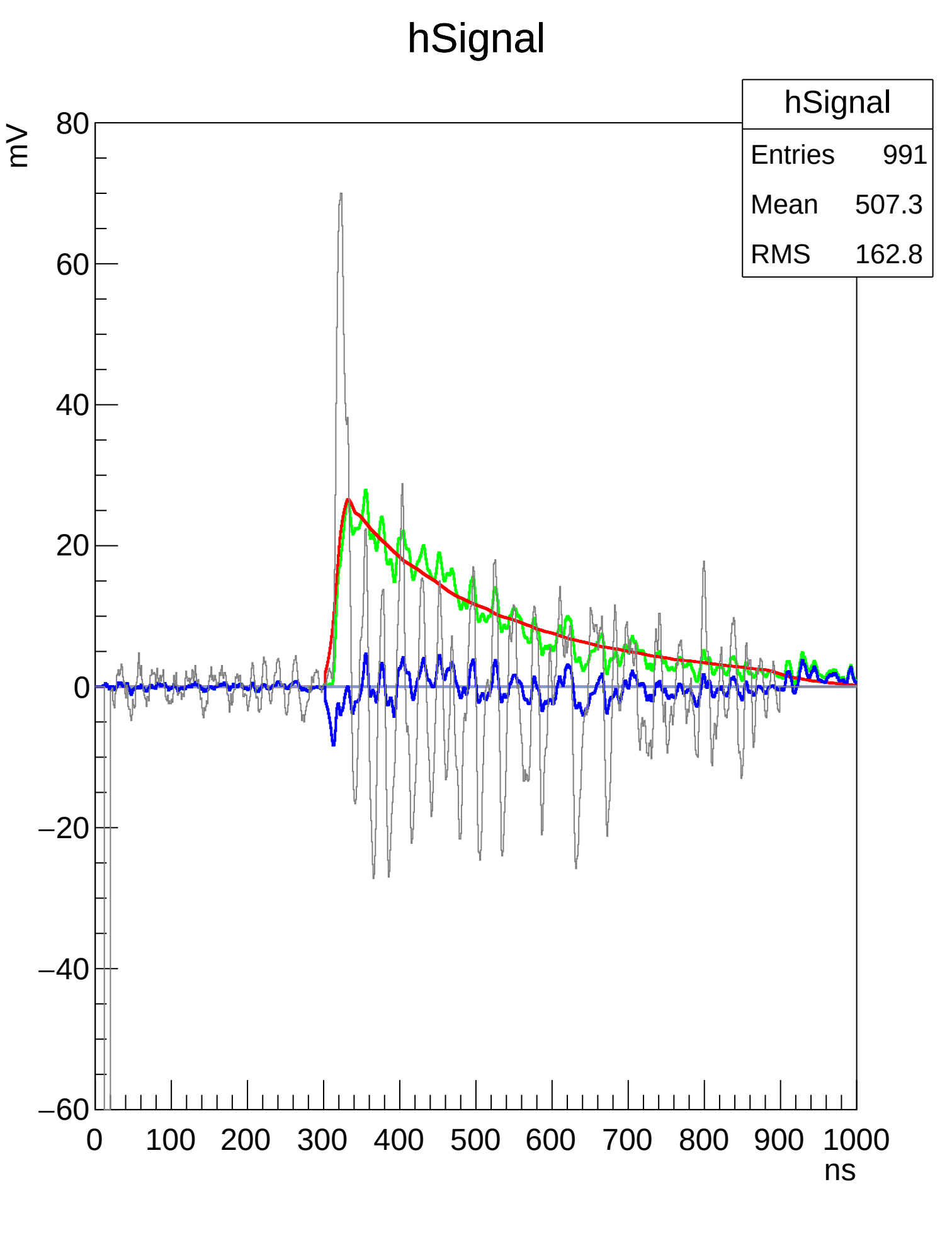
hSignal
hSignal
Entries 991
Mean 507.3
RMS 162.8
mV
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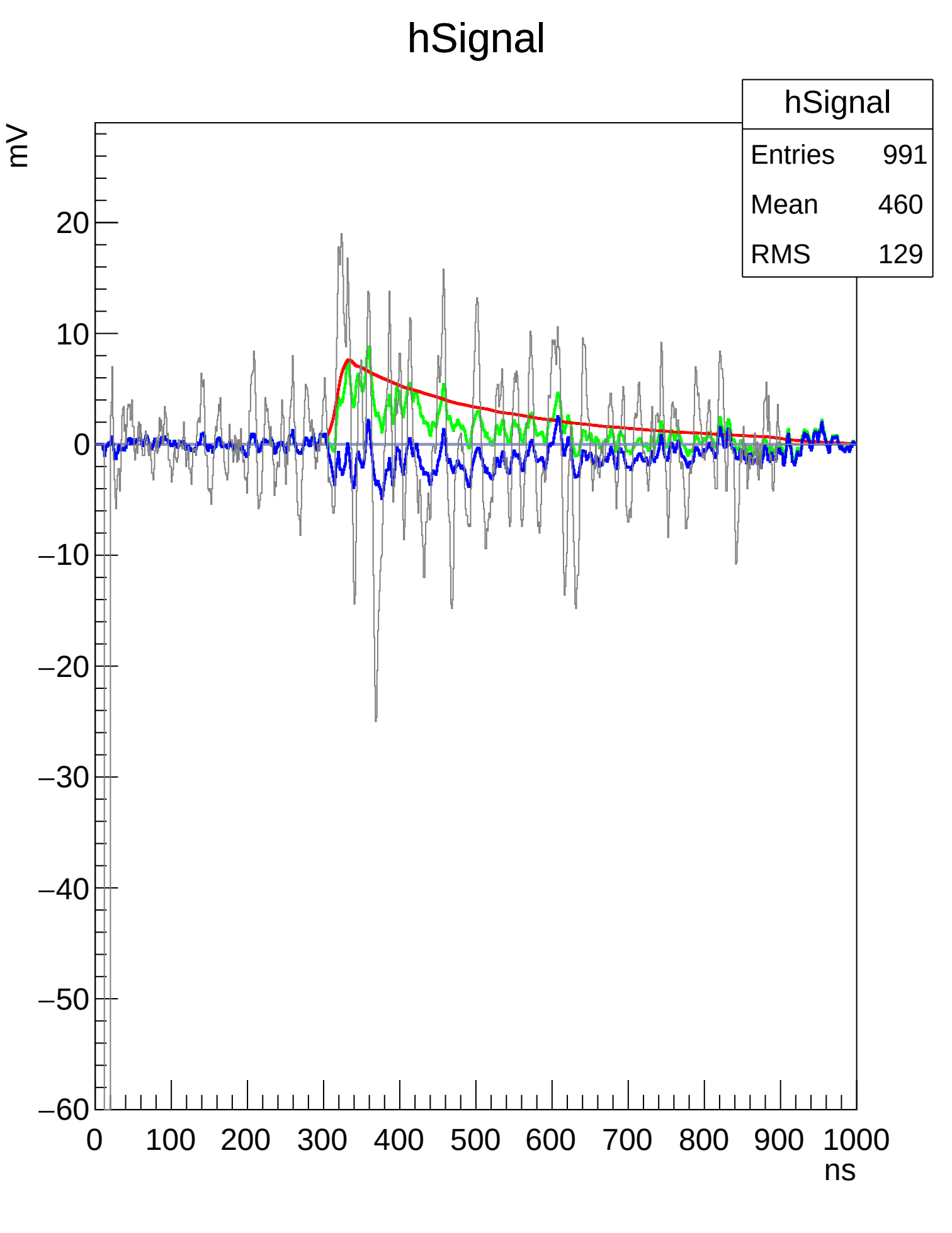
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hSignal
Entries 991
Mean 460
RMS 129
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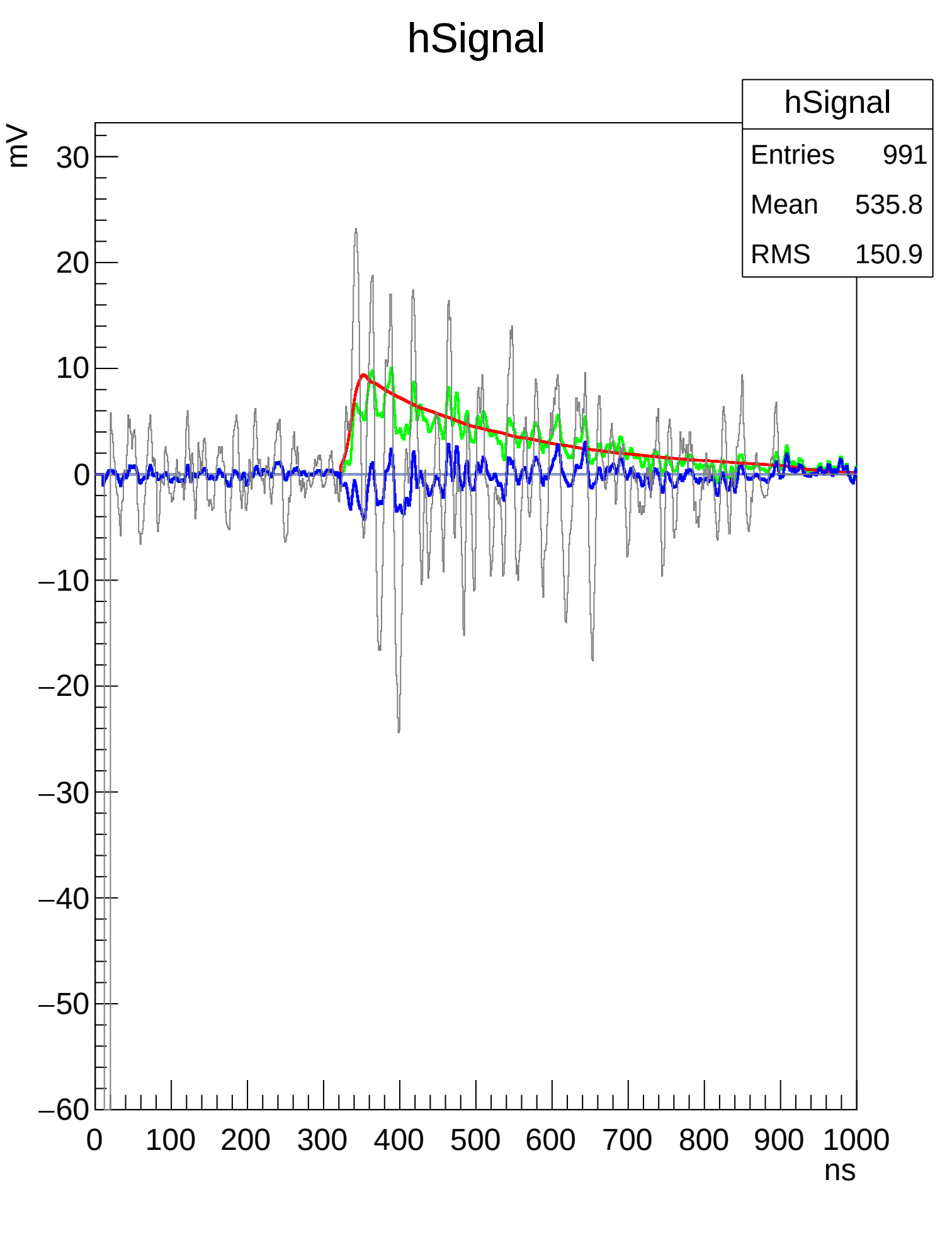
hSignal
hSignal
Entries 991
Mean 535.8
RMS 150.9
mV
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20
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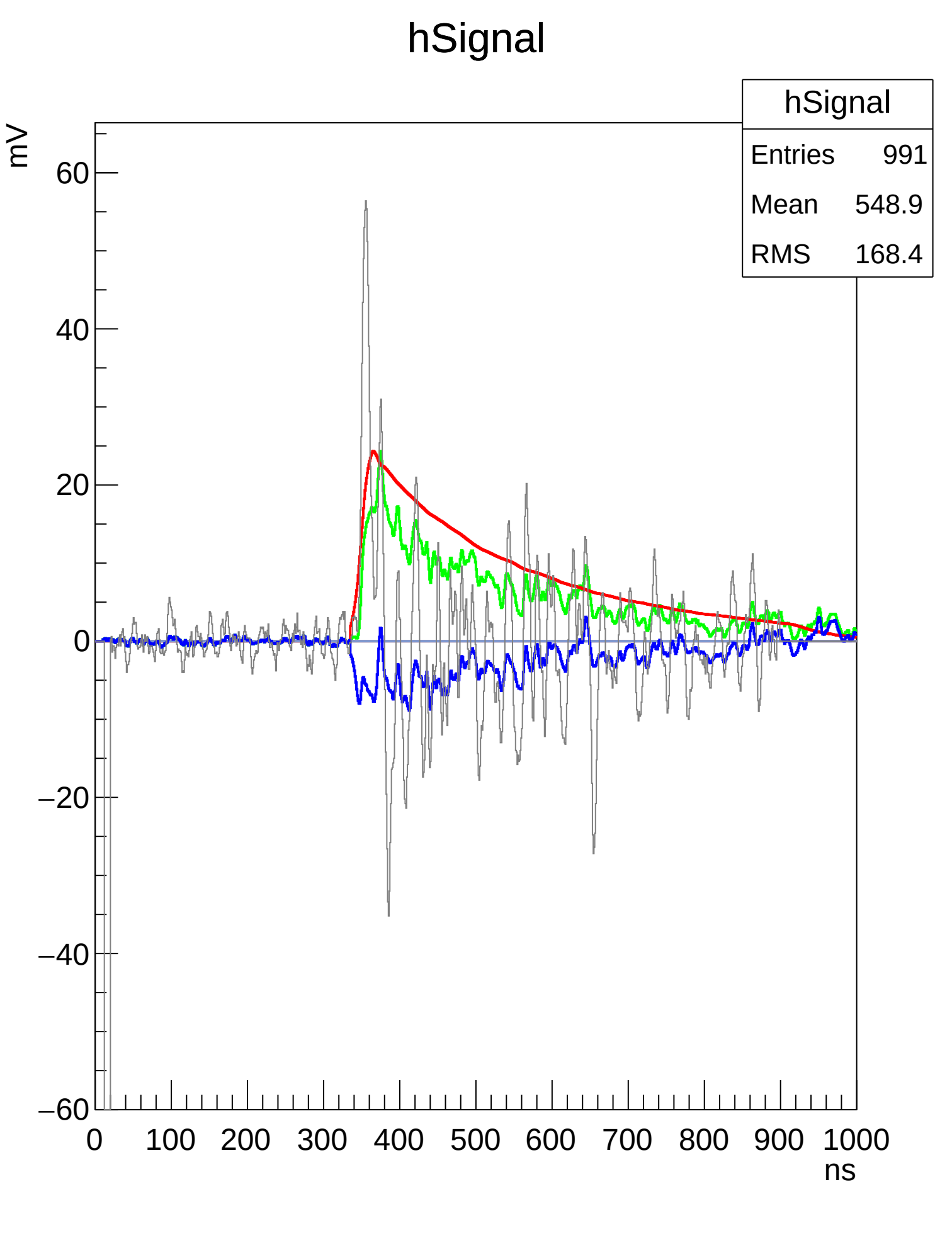
hSignal
hSignal
Entries 991
Mean 548.9
RMS 168.4
mV
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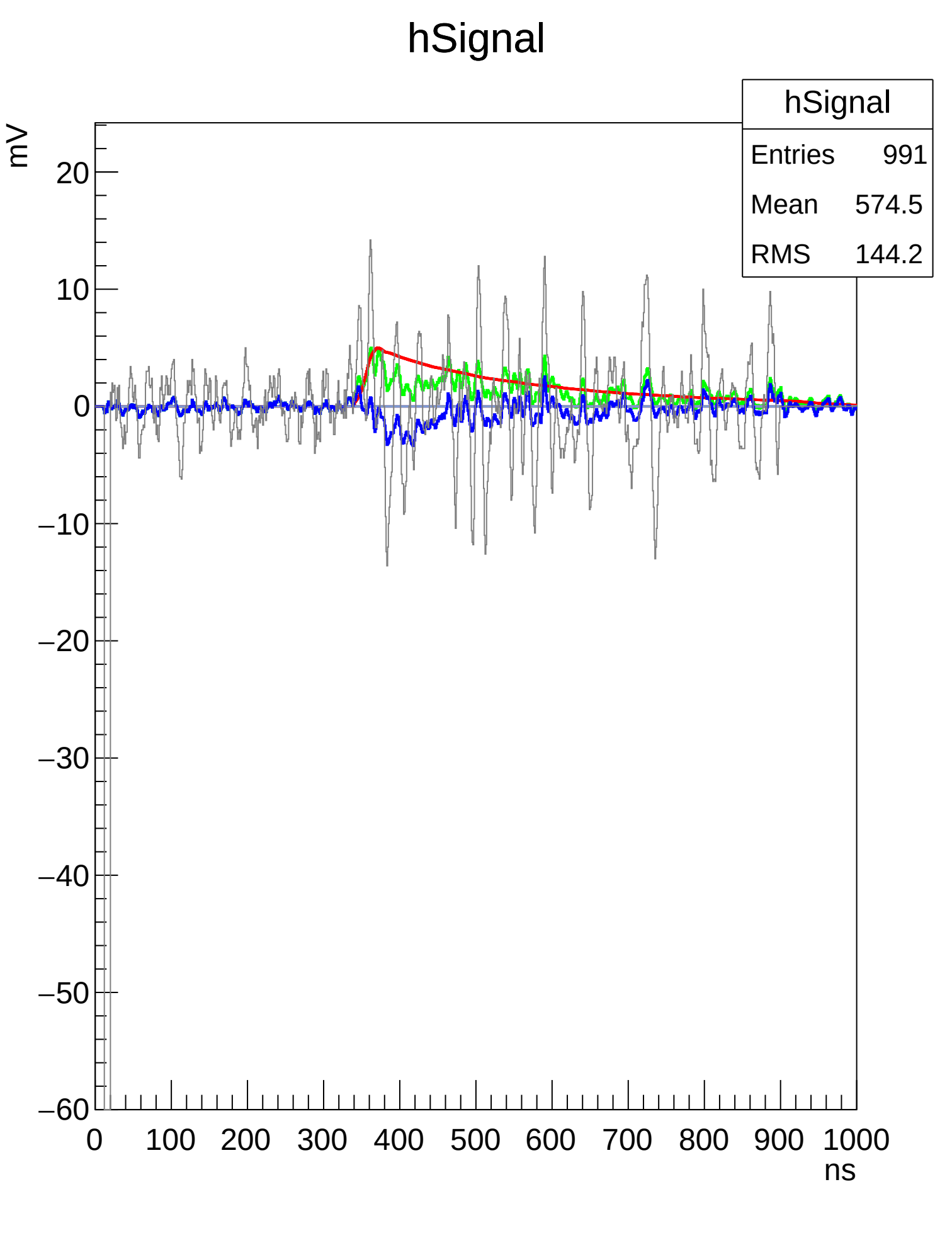
hSignal
hSignal
Entries 991
Mean 574.5
RMS 144.2
mV
20
10
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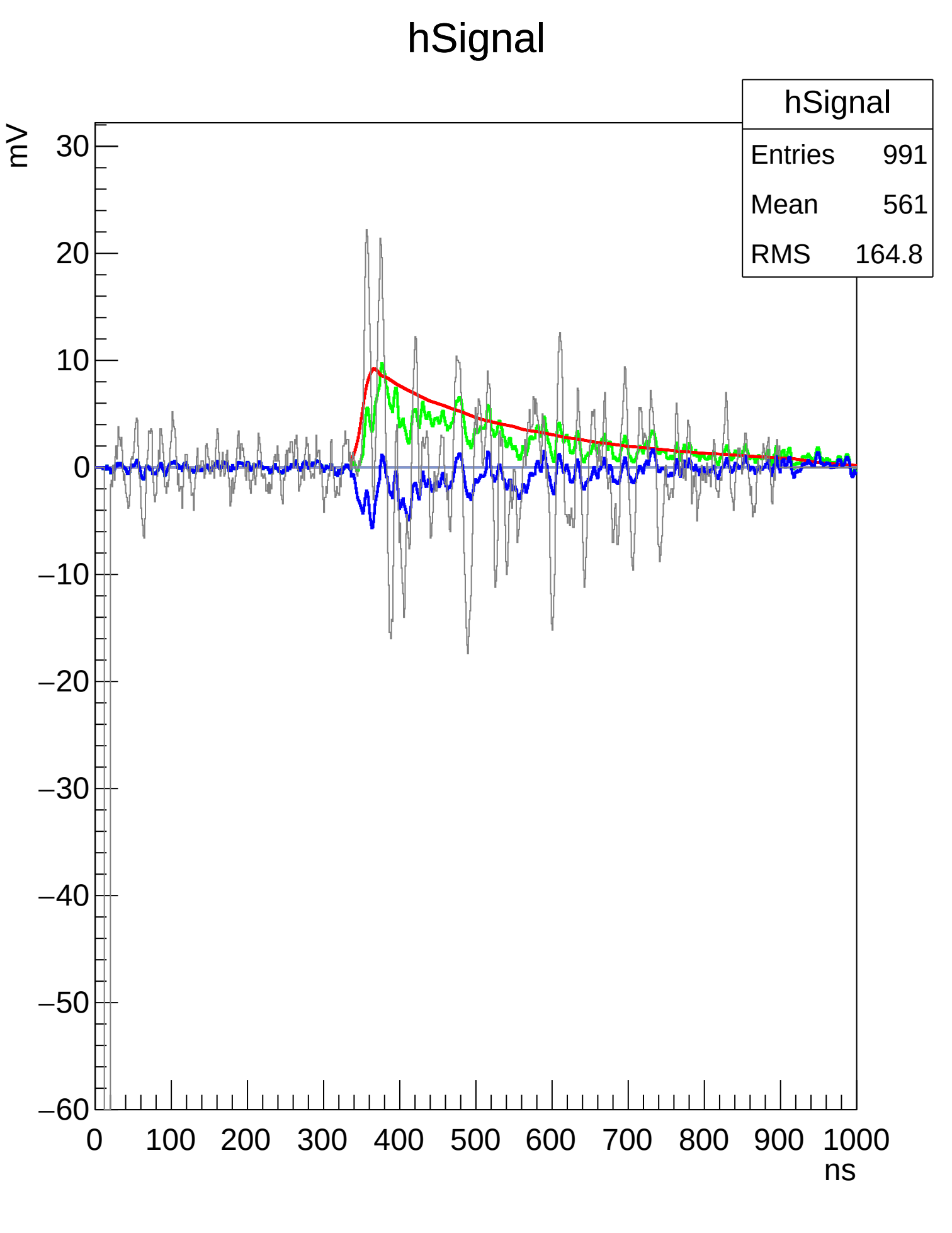
hSignal
hSignal
Entries 991
Mean 561
RMS 164.8
mV
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10
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1000
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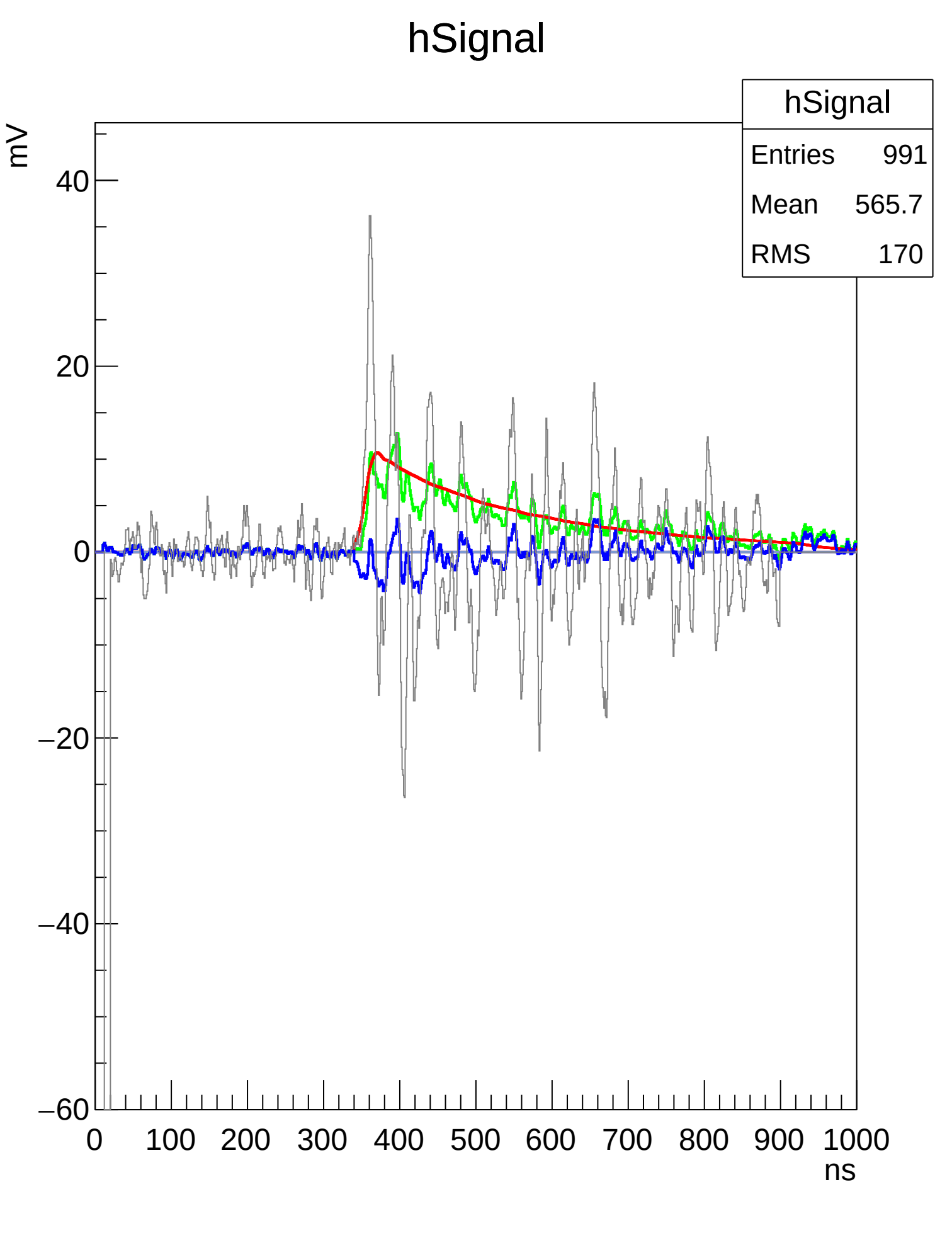
hSignal
hSignal
Entries 991
Mean 565.7
RMS 170
mV
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1000
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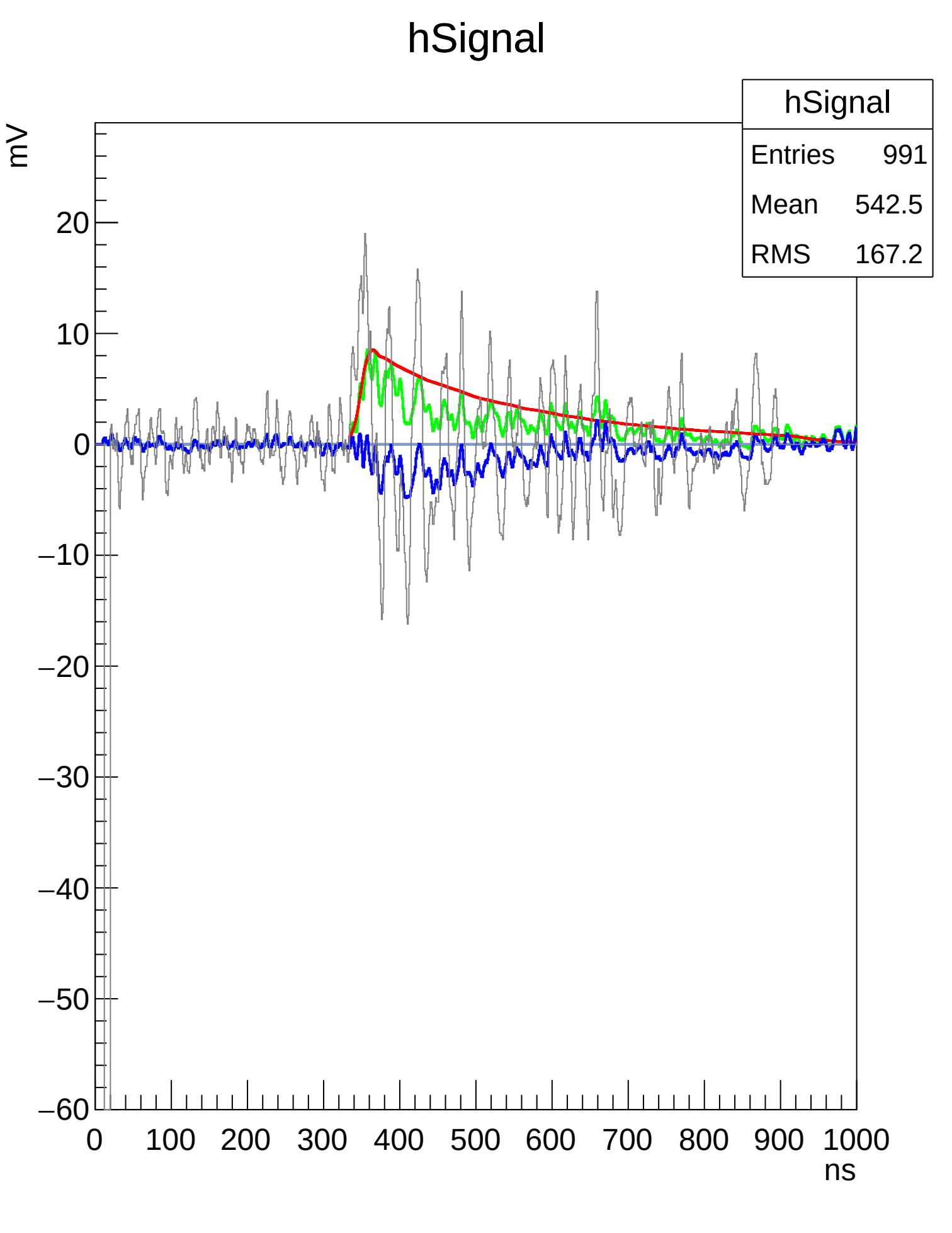
hSignal
hSignal
Entries 991
Mean 542.5
RMS 167.2
mV
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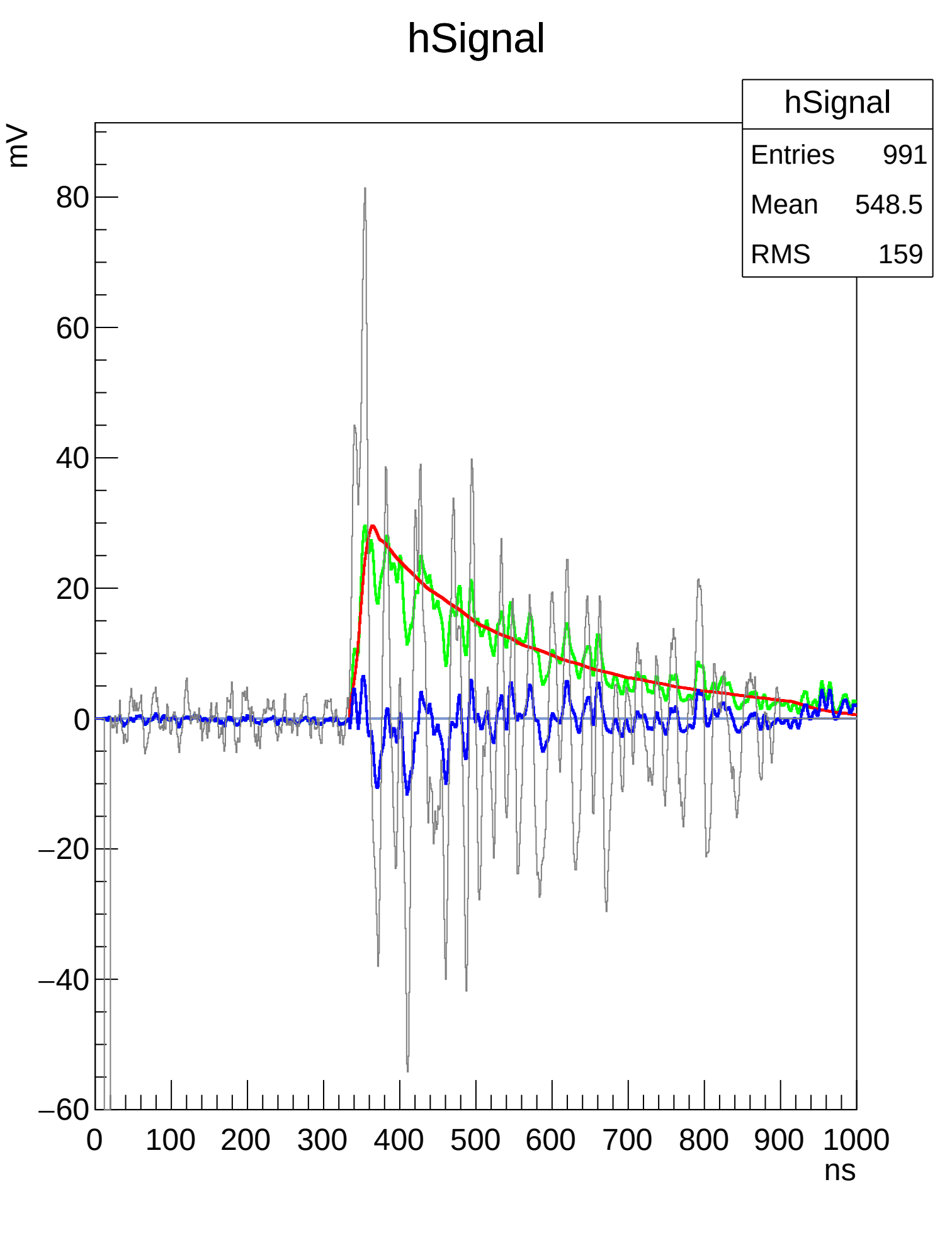
1000
ns


hSignal
hSignal
Entries 991
Mean 548.5
RMS 159
mV
80
60
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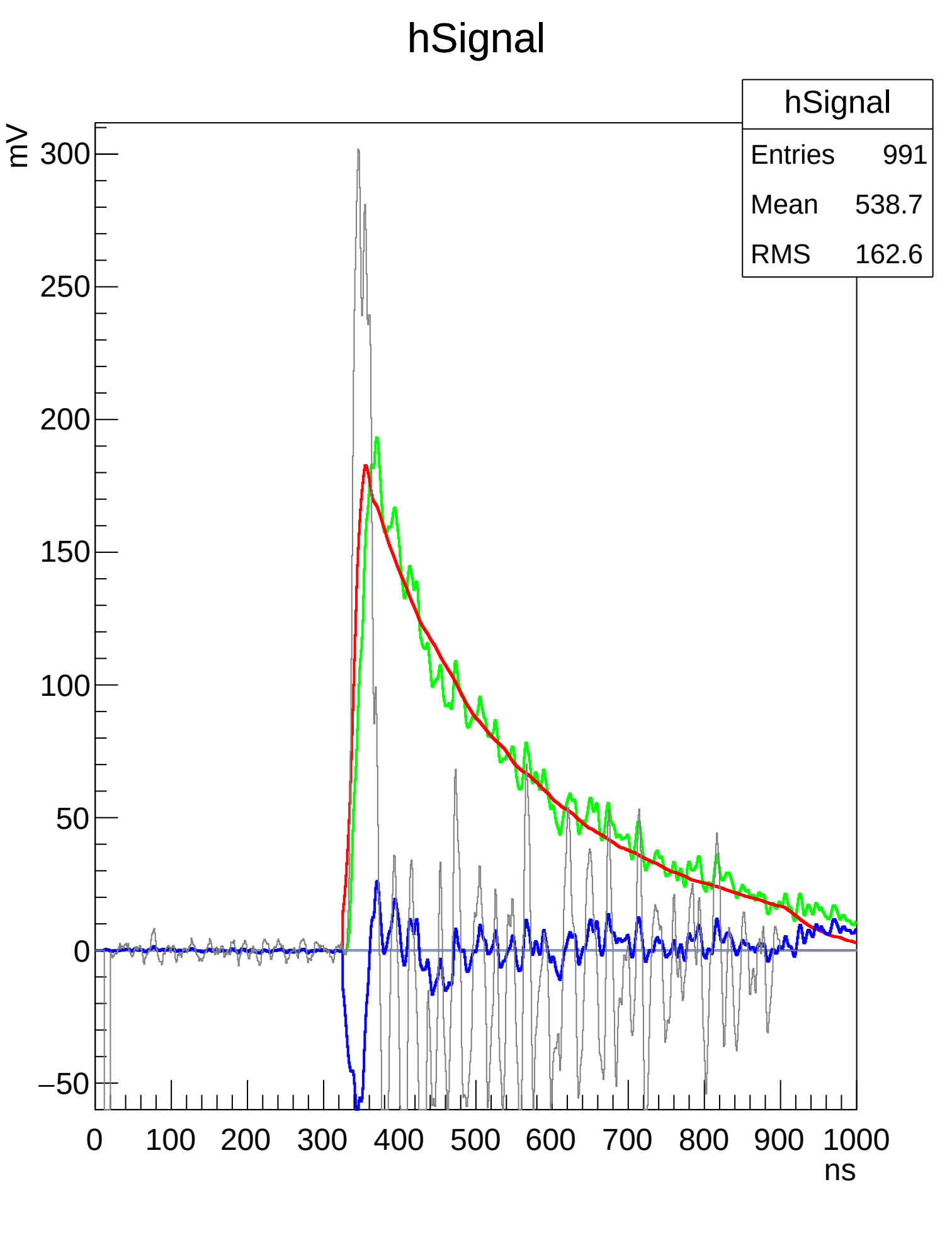
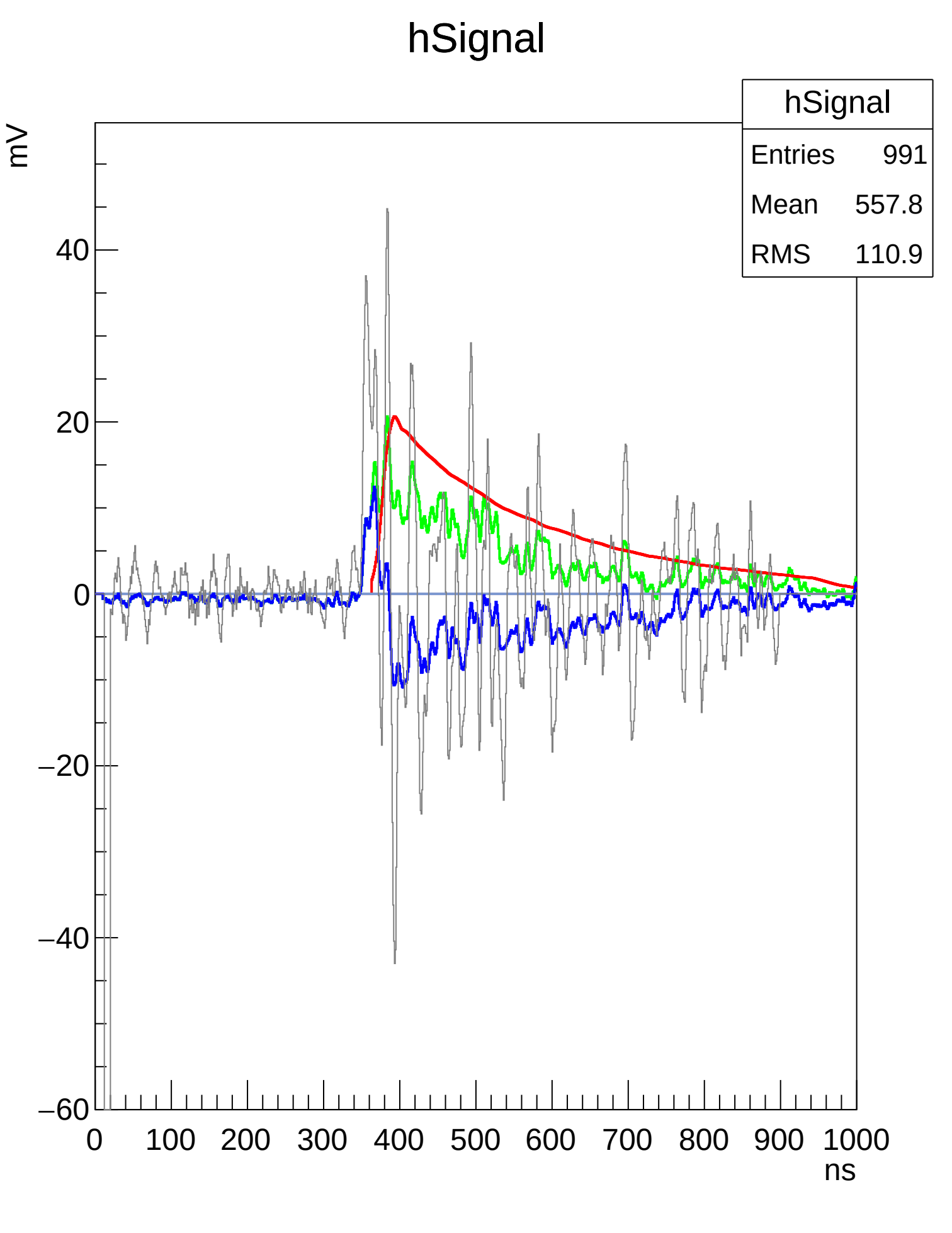
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.7
RMS 162.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.8
RMS 110.9
mV
40
20
0
−20
−40
−60
0
100
200
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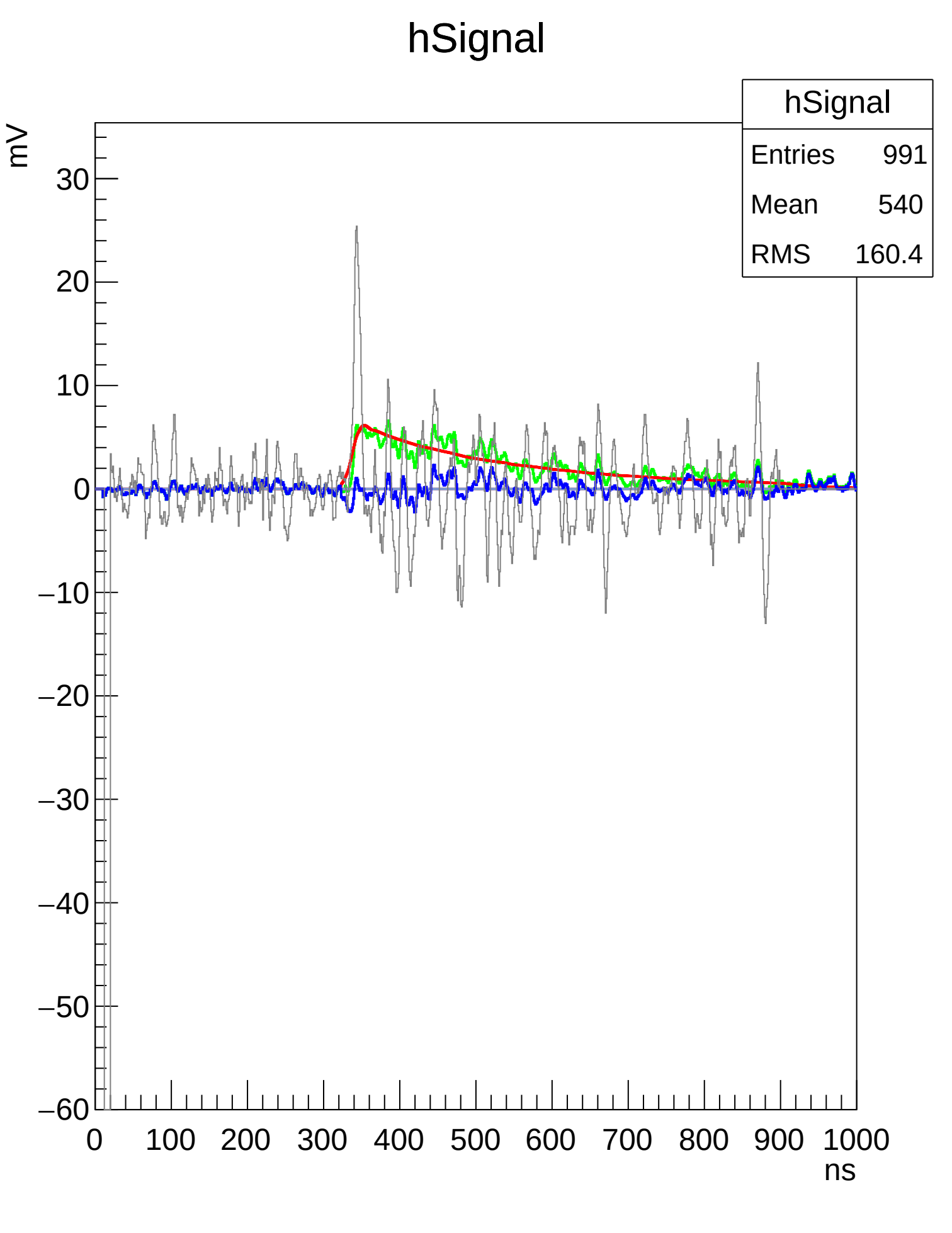
400
500
600
700
800
900
1000
ns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hSignal
Entries 991
Mean 540
RMS 160.4
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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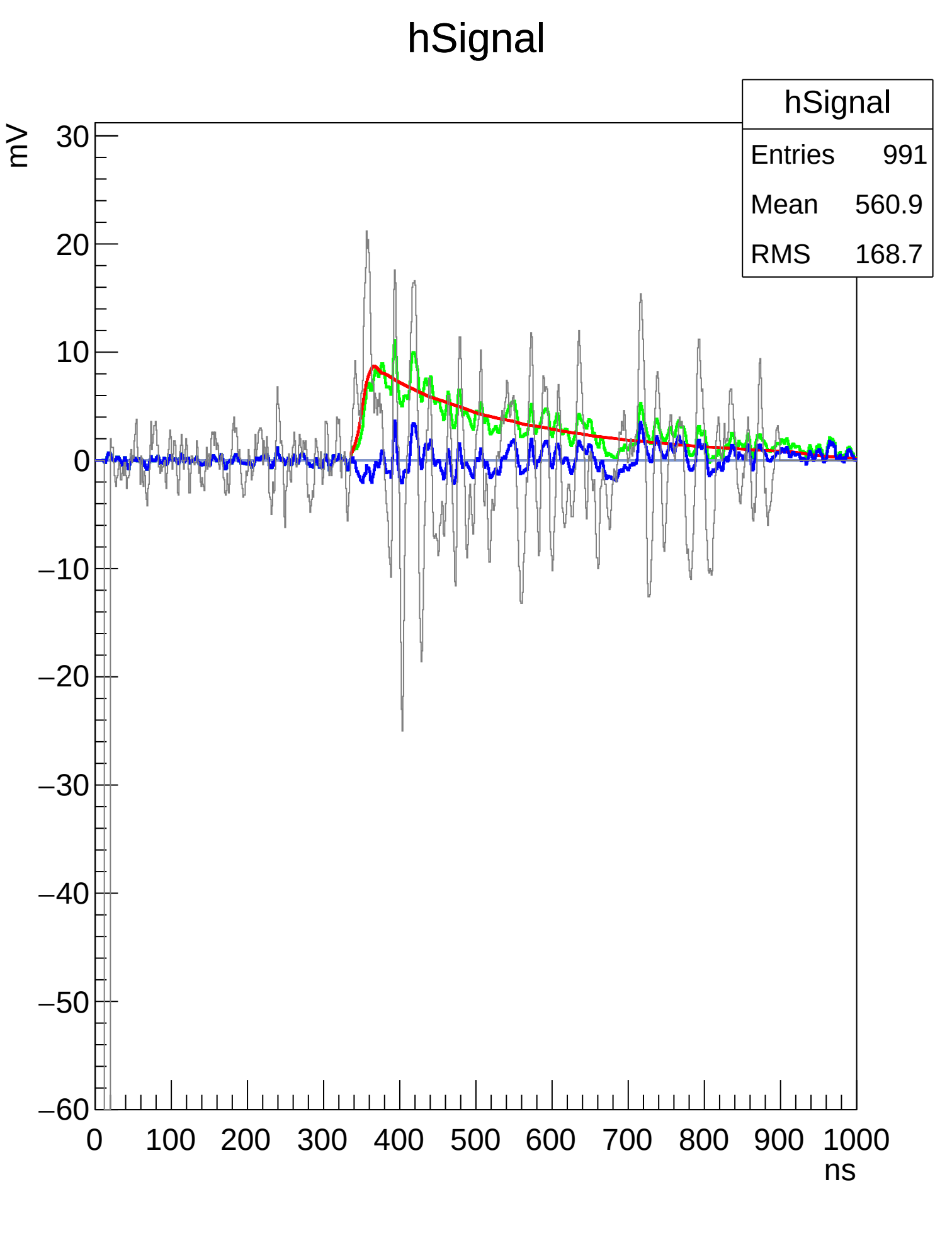
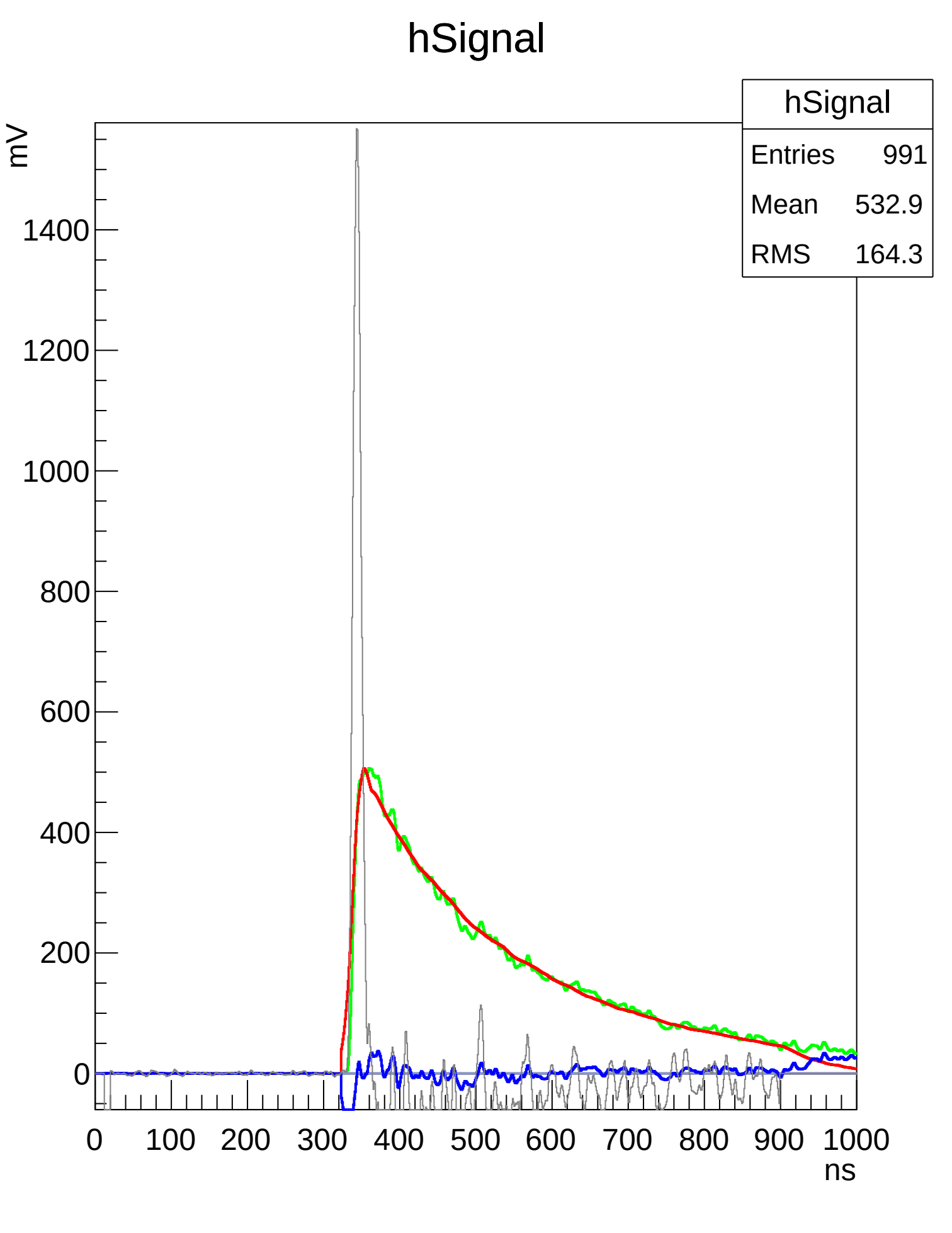
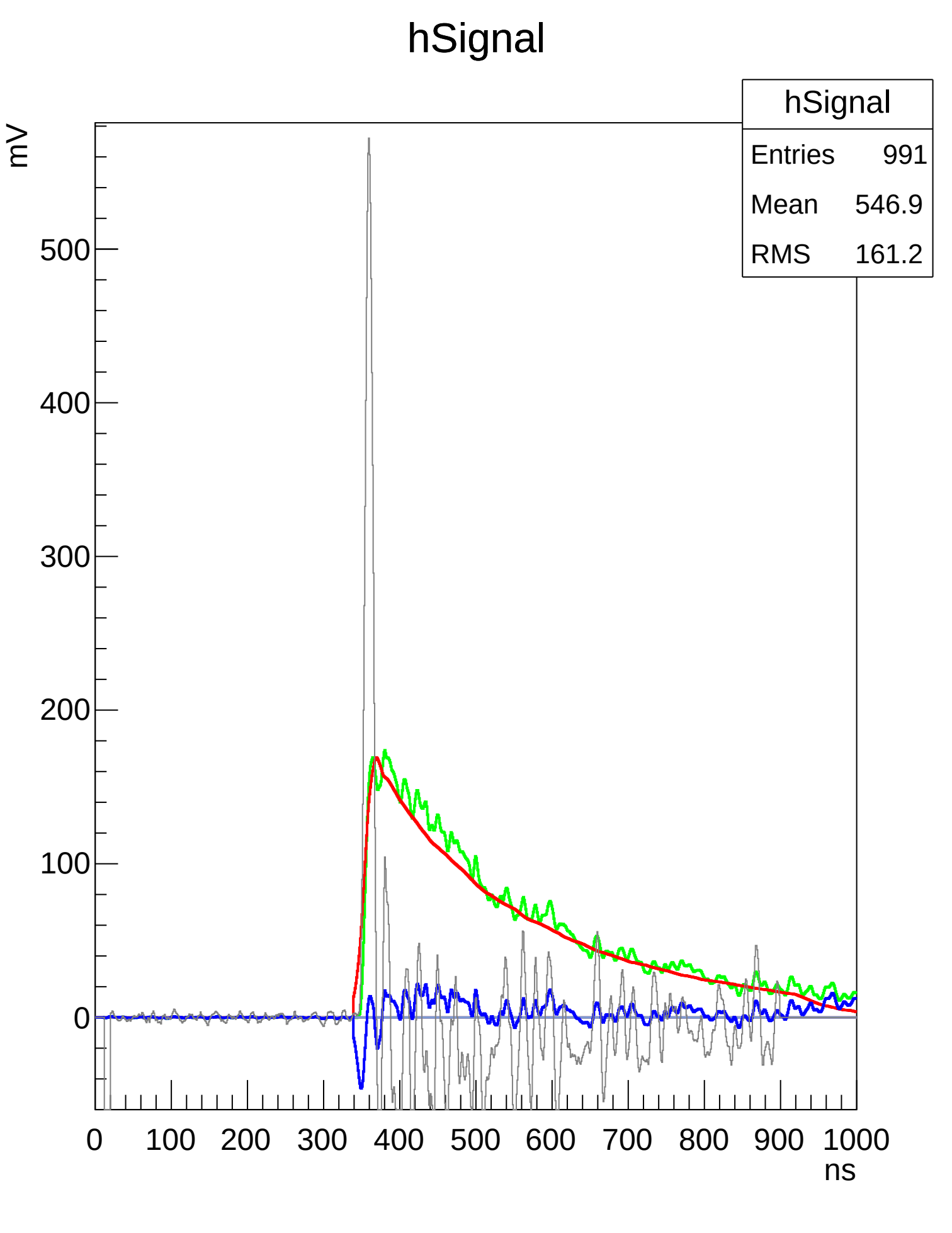
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.9
RMS 168.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.9
RMS 164.3
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 161.2
mV
500
400
300
200
100
0
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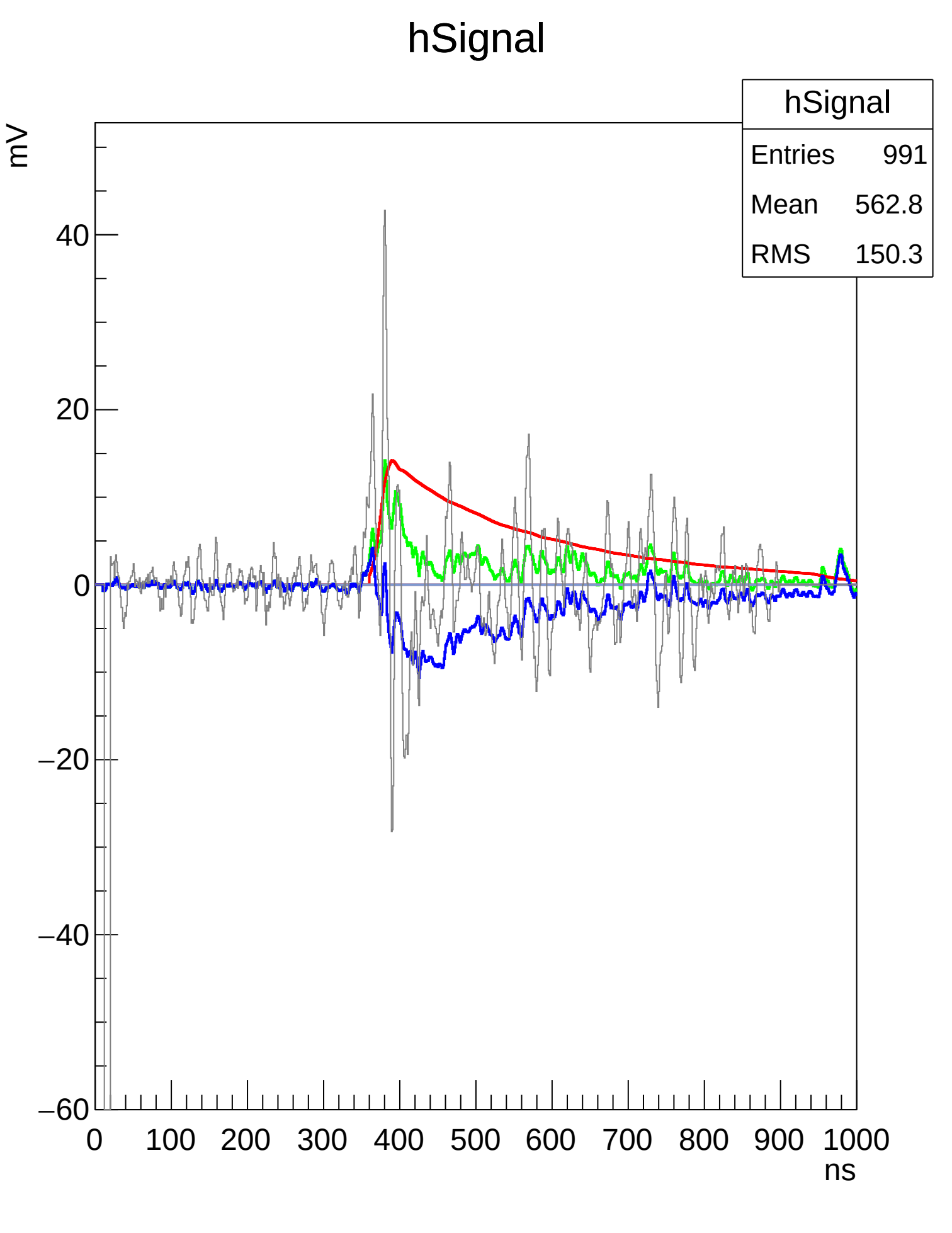
ns


hSignal
hSignal
Entries 991
Mean 562.8
RMS 150.3
mV
40
20
0
−20
−40
−60
0
100
200
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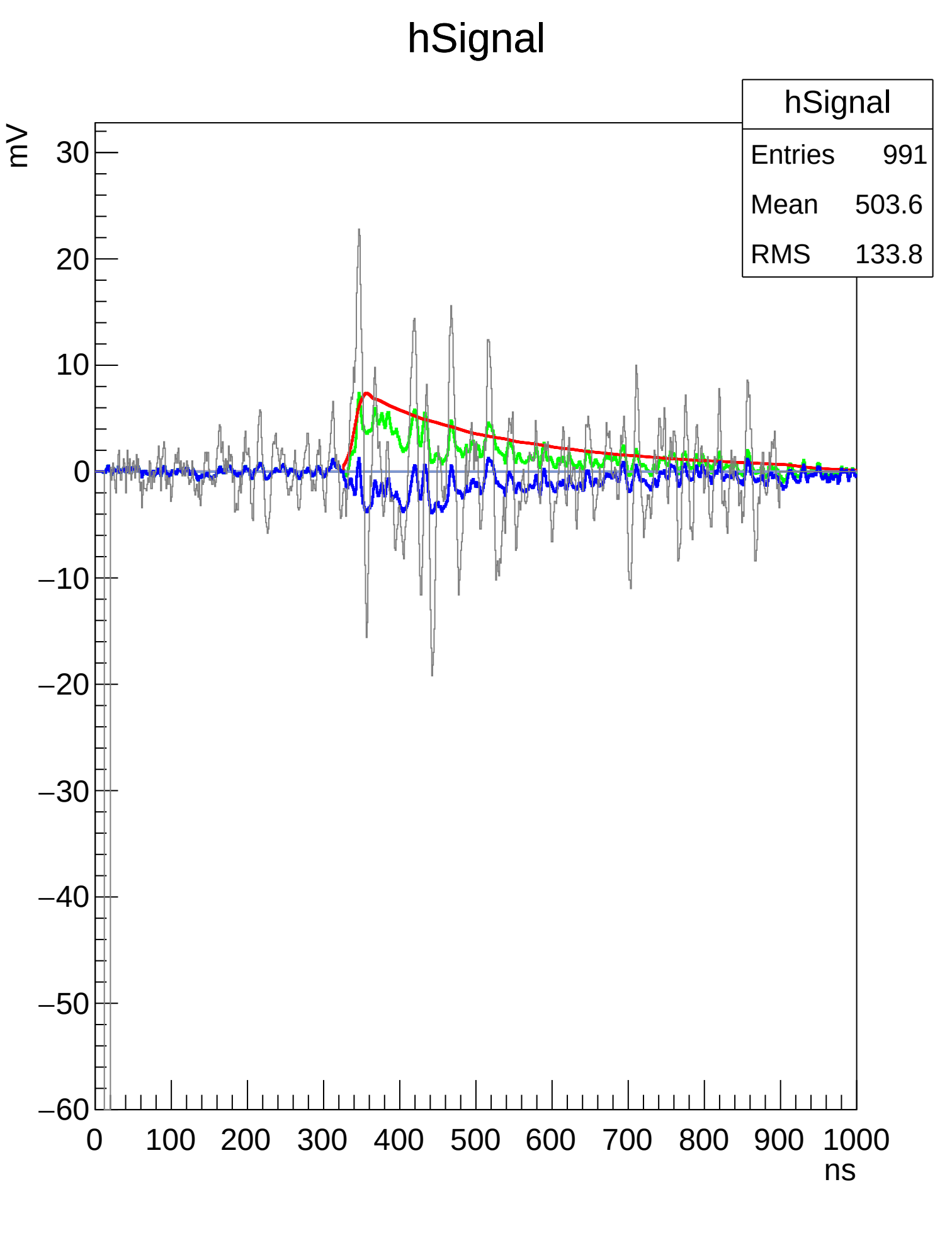
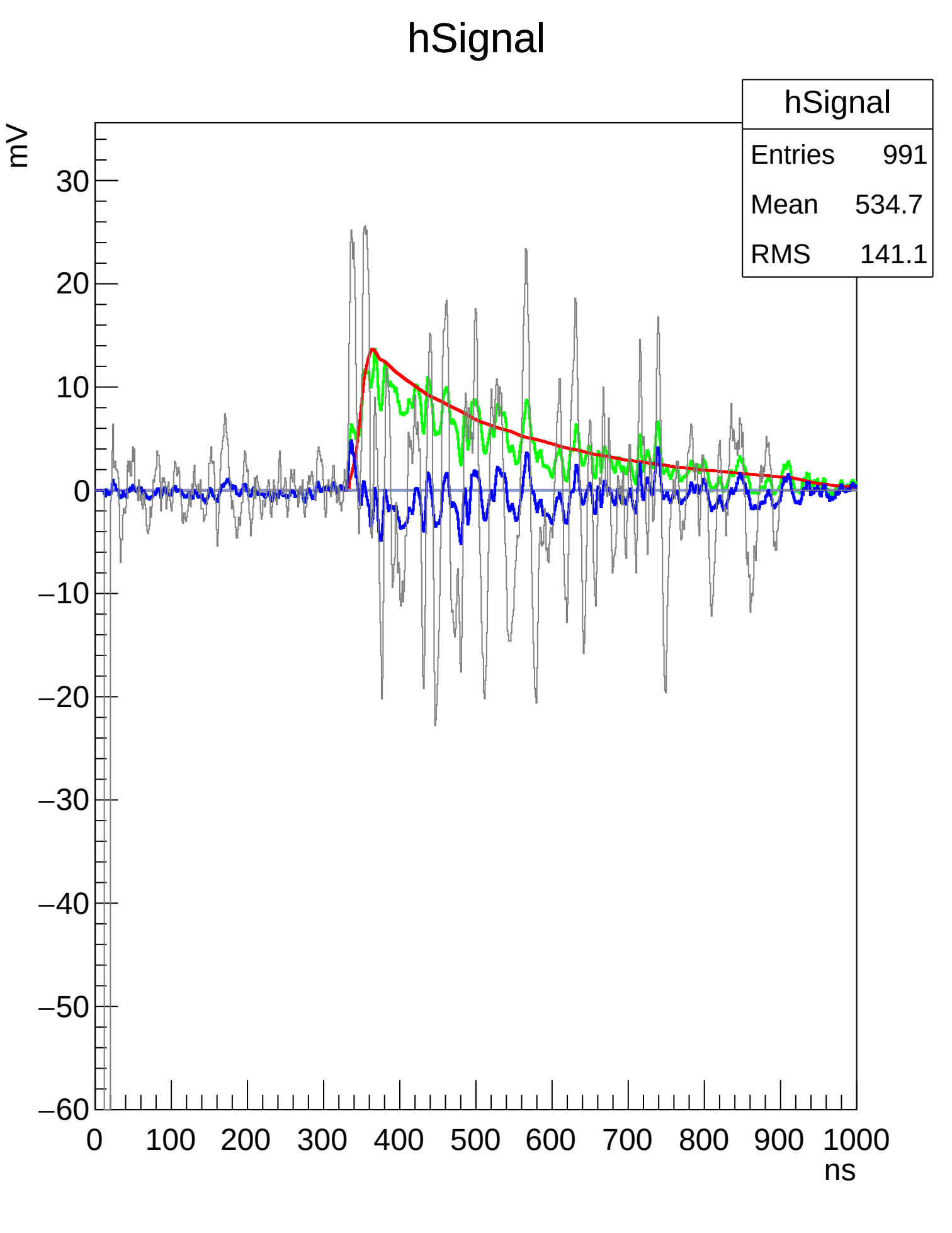
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.6
RMS 133.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.7
RMS 141.1
mV
30
20
10
0
−10
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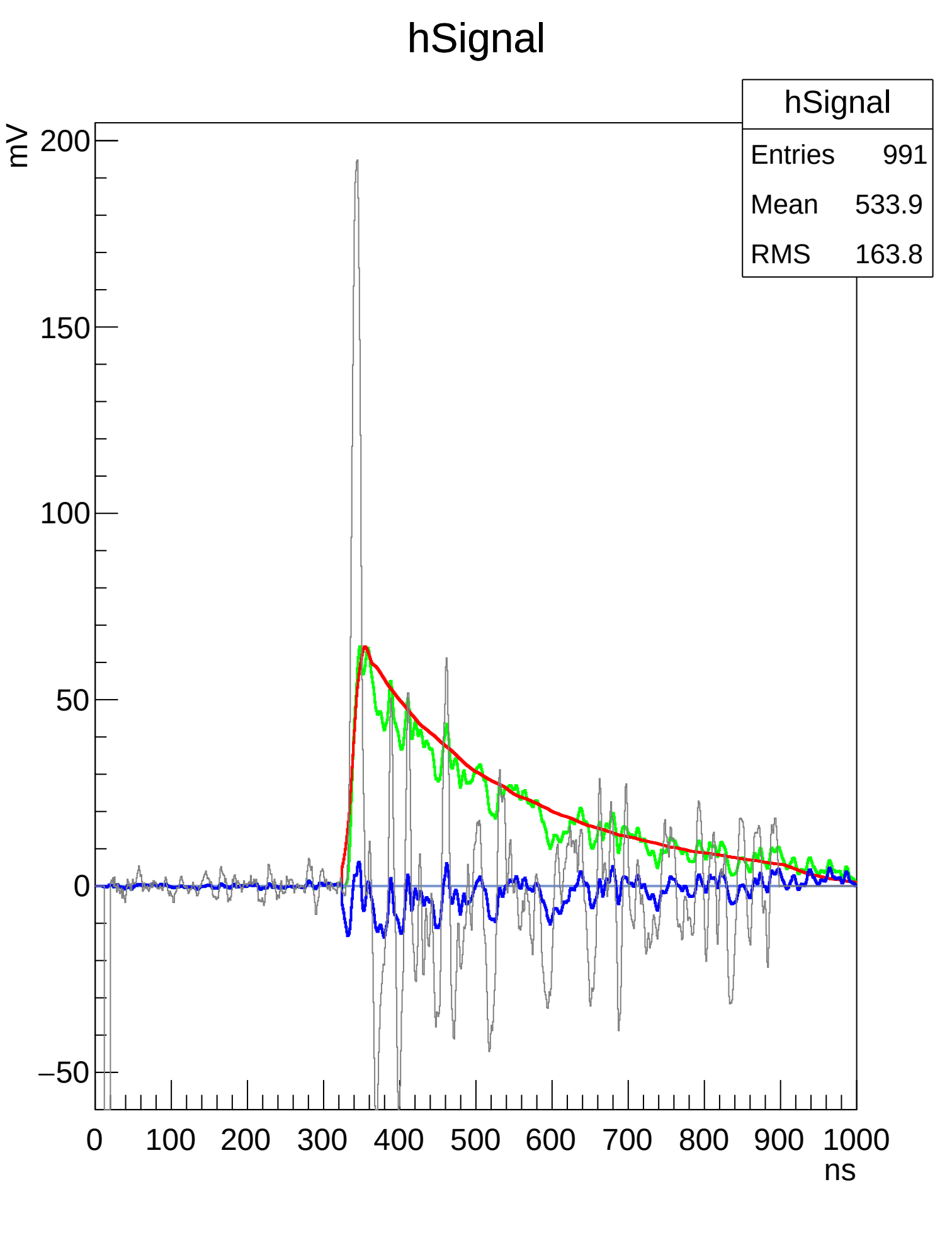
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.9
RMS 163.8
mV
200
150
100
50
0
−50
0
100
200
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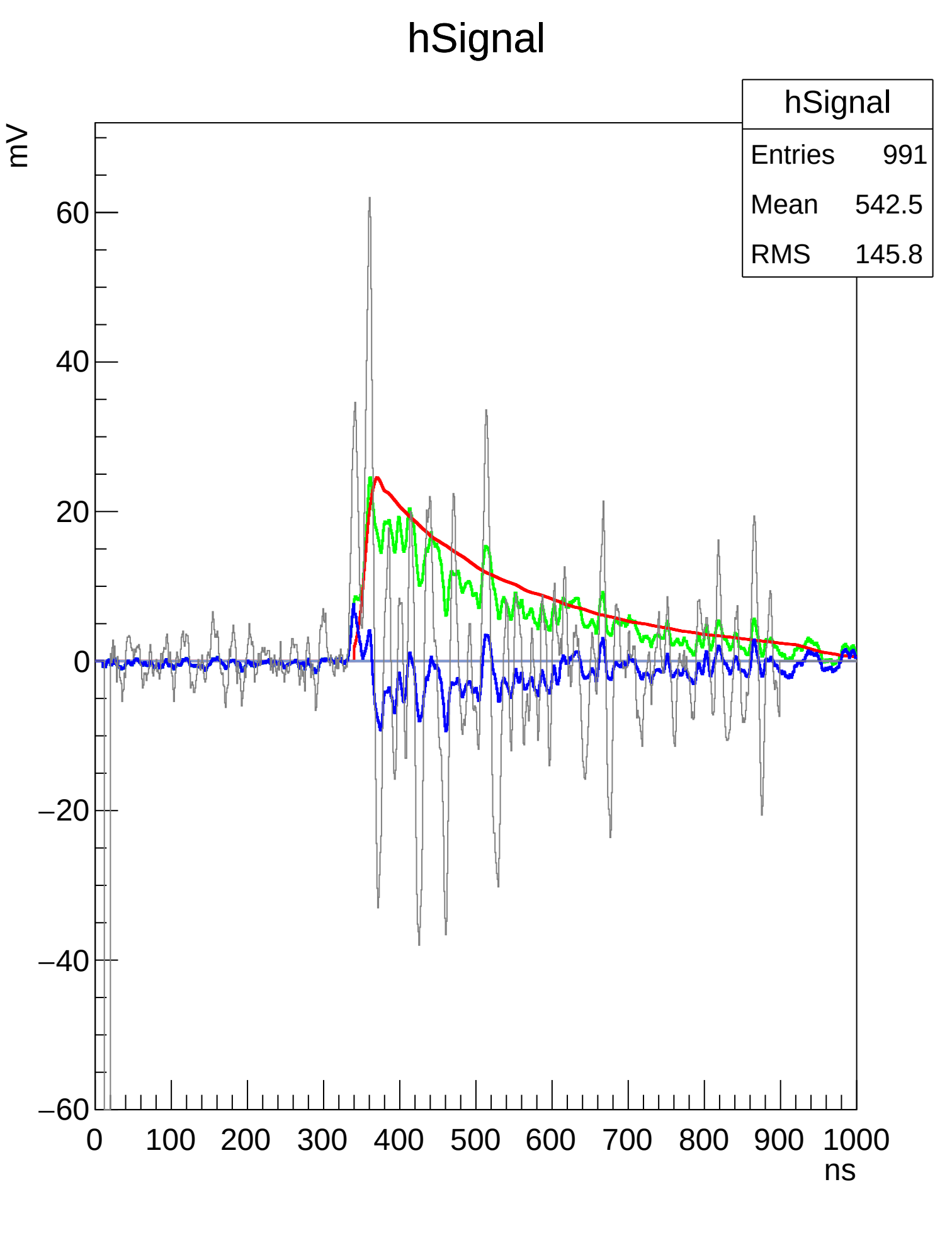
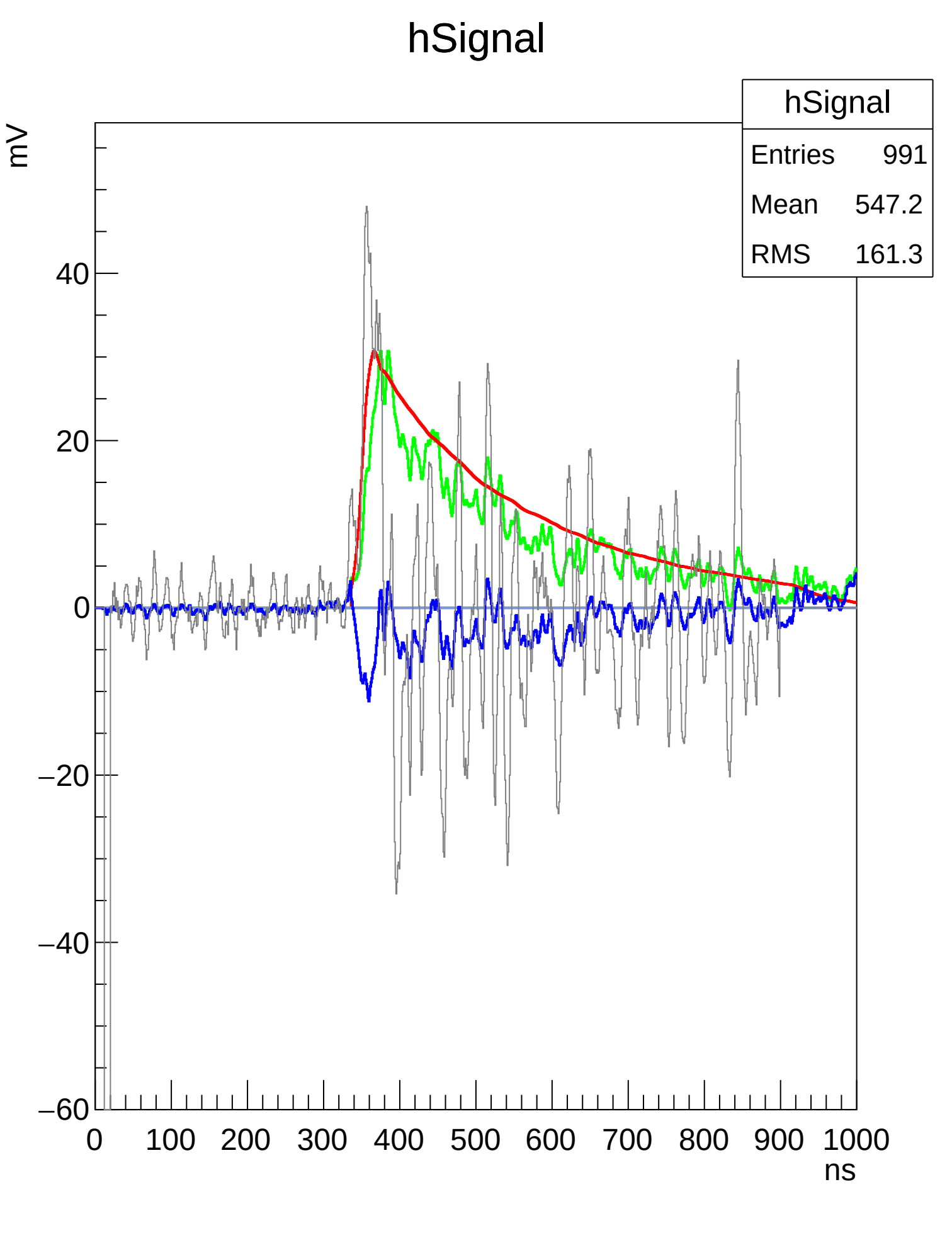
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.5
RMS 145.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.2
RMS 161.3
mV
40
20
0
−20
−40
−60
0
100
200
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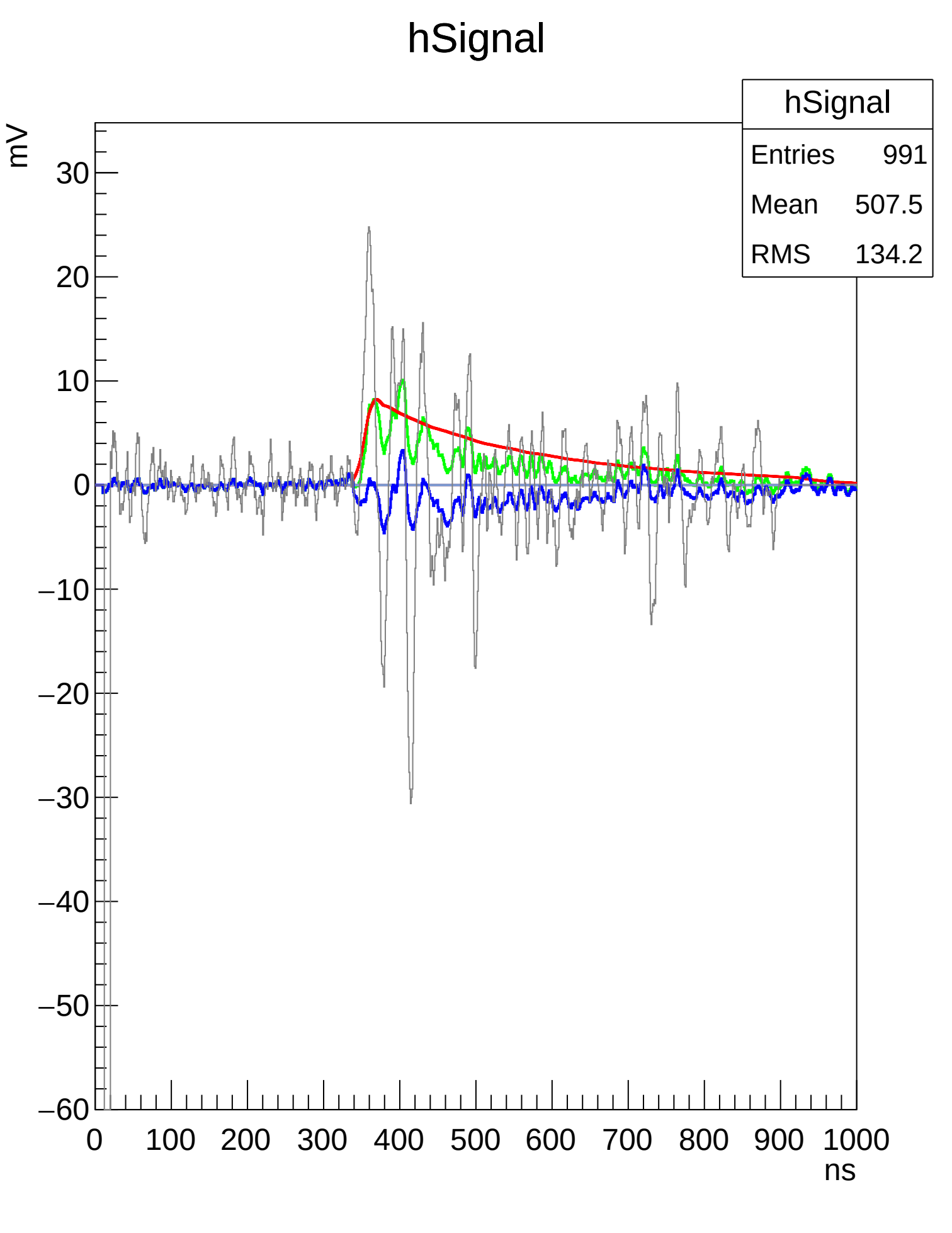
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.5
RMS 134.2
mV
30
20
10
0
−10
−20
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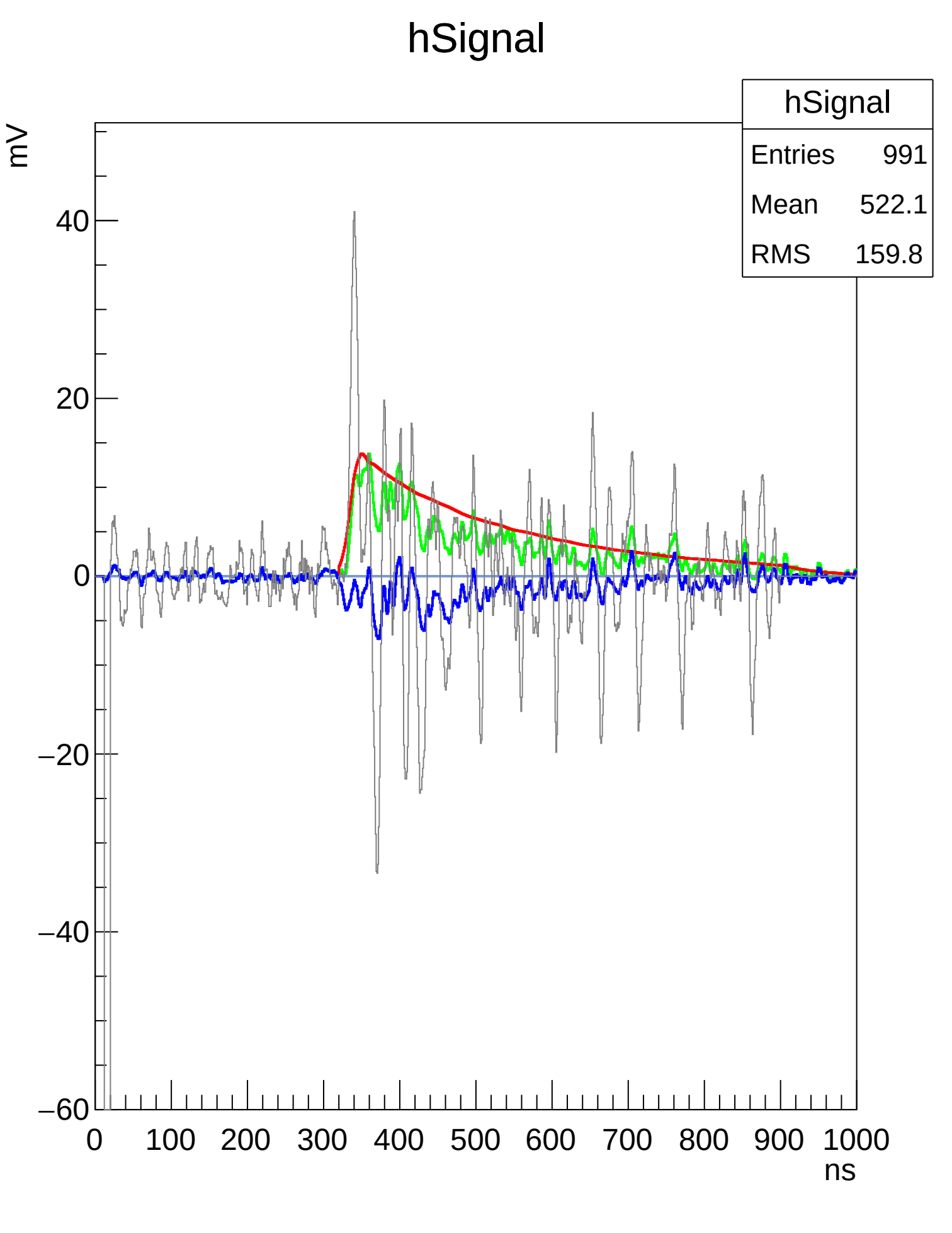
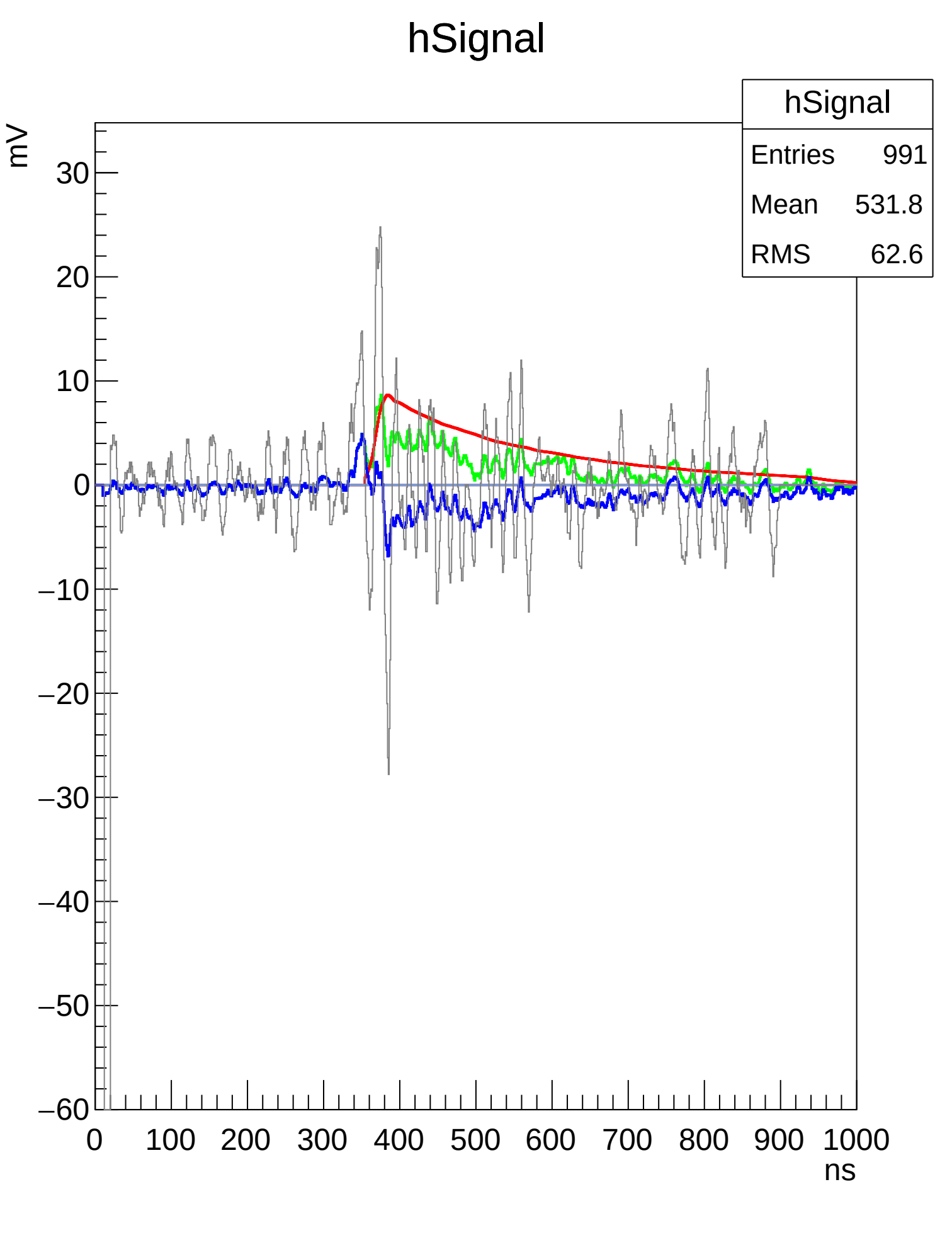
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.1
RMS 159.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.8
RMS 62.6
mV
30
20
10
0
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−20
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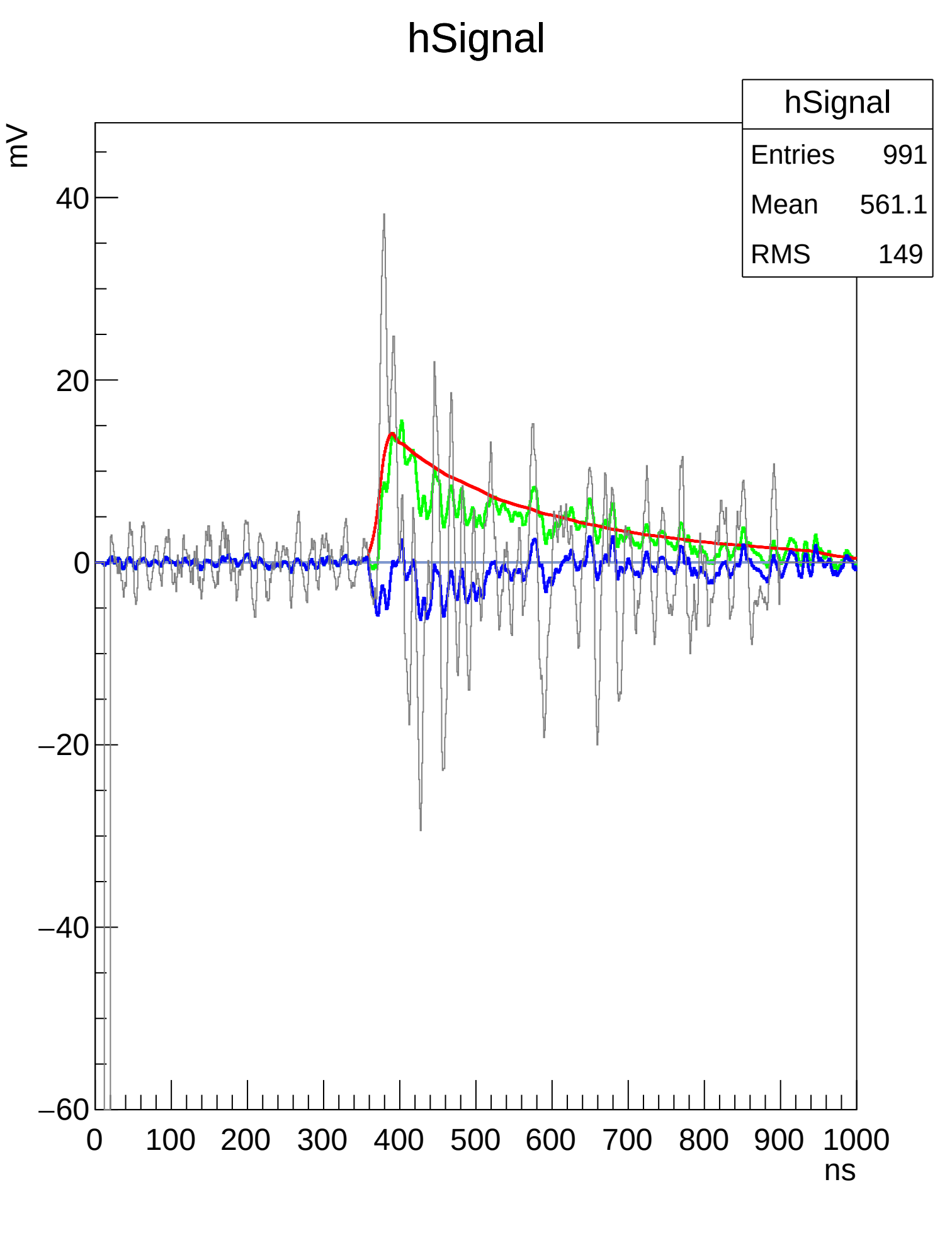
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.1
RMS 149
mV
40
20
0
−20
−40
−60
0
100
200
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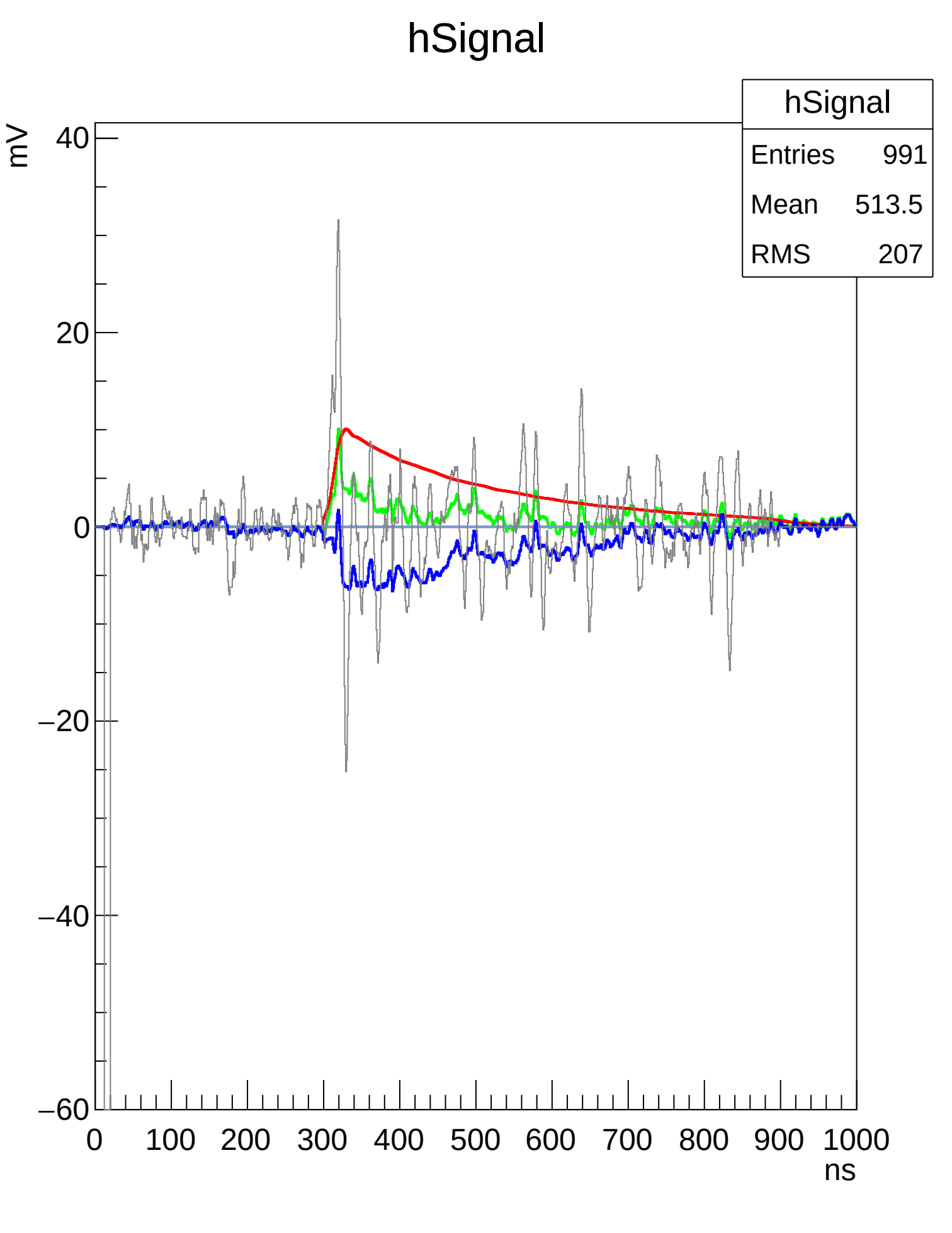
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.5
RMS 207
mV
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0
−20
−40
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0
100
200
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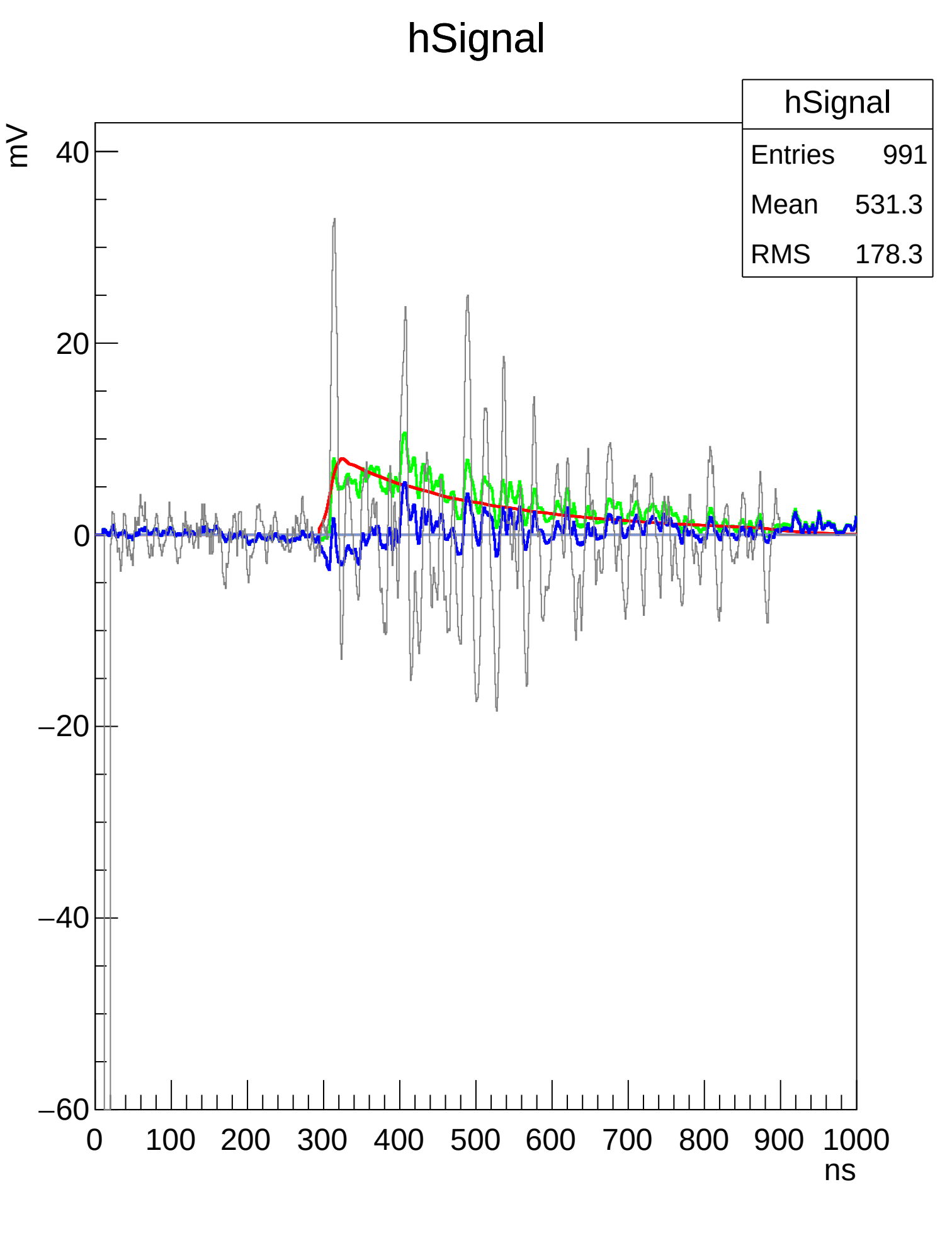
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.3
RMS 178.3
mV
40
20
0
−20
−40
−60
0
100
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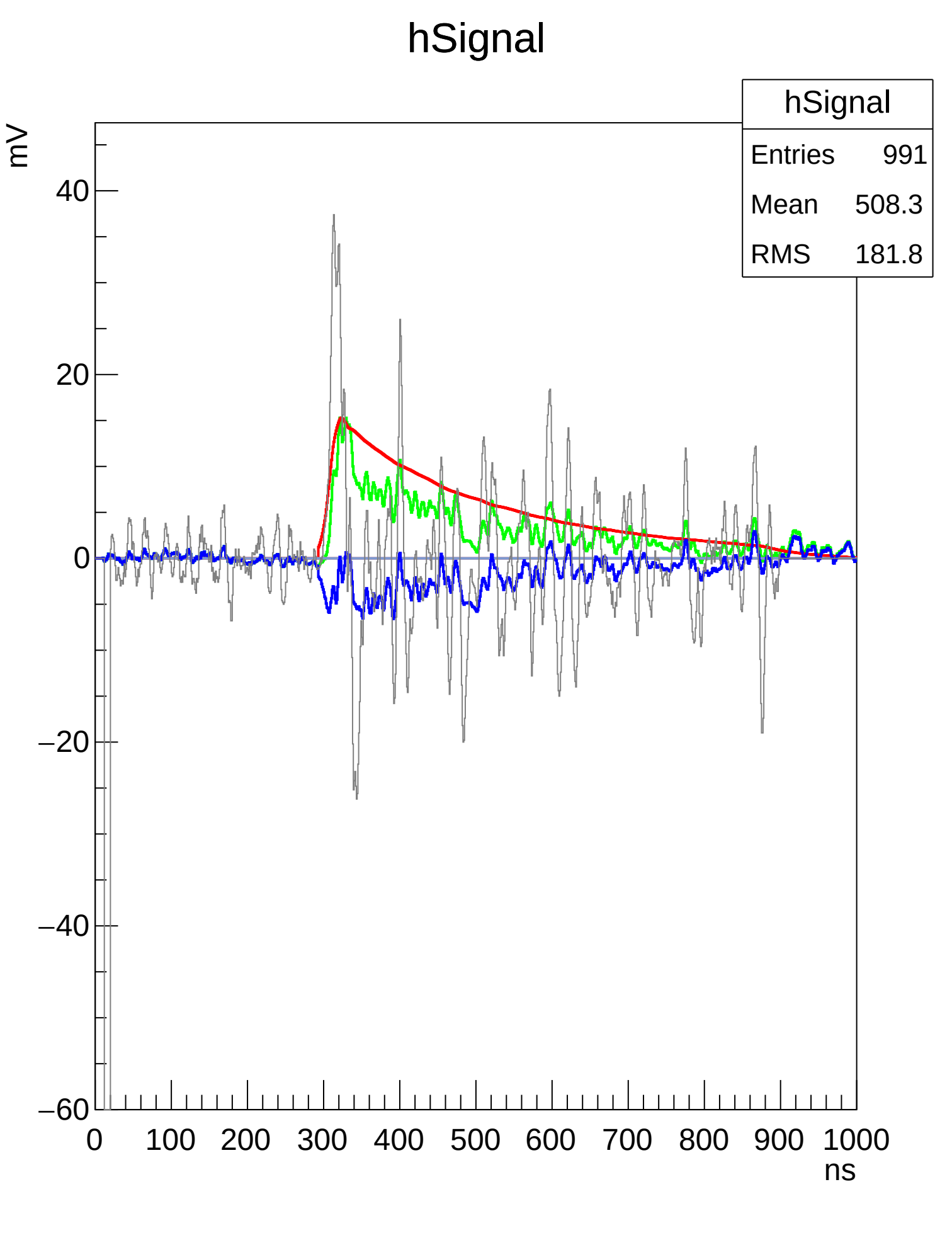
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.3
RMS 181.8
mV
40
20
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−20
−40
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0
100
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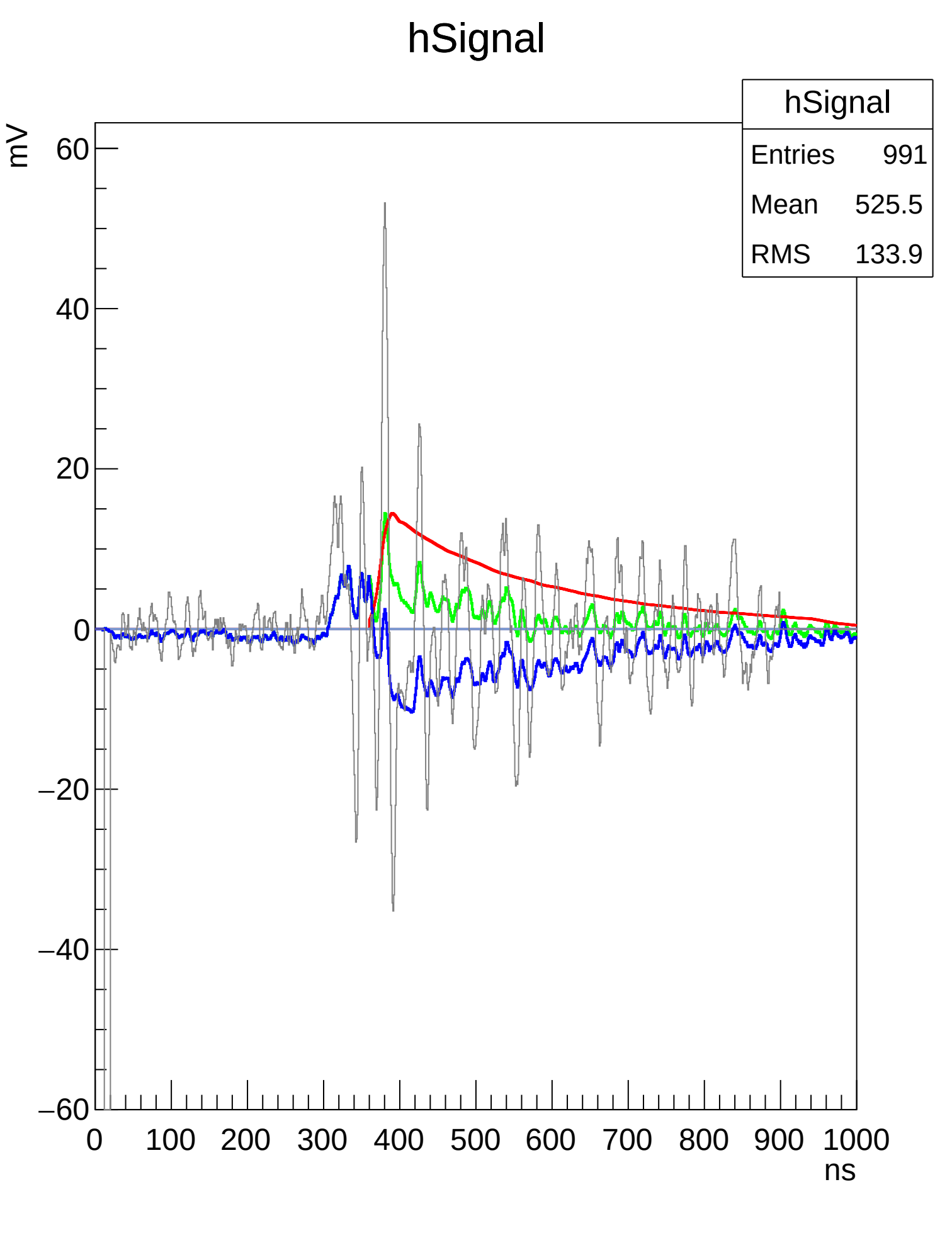
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.5
RMS 133.9
mV
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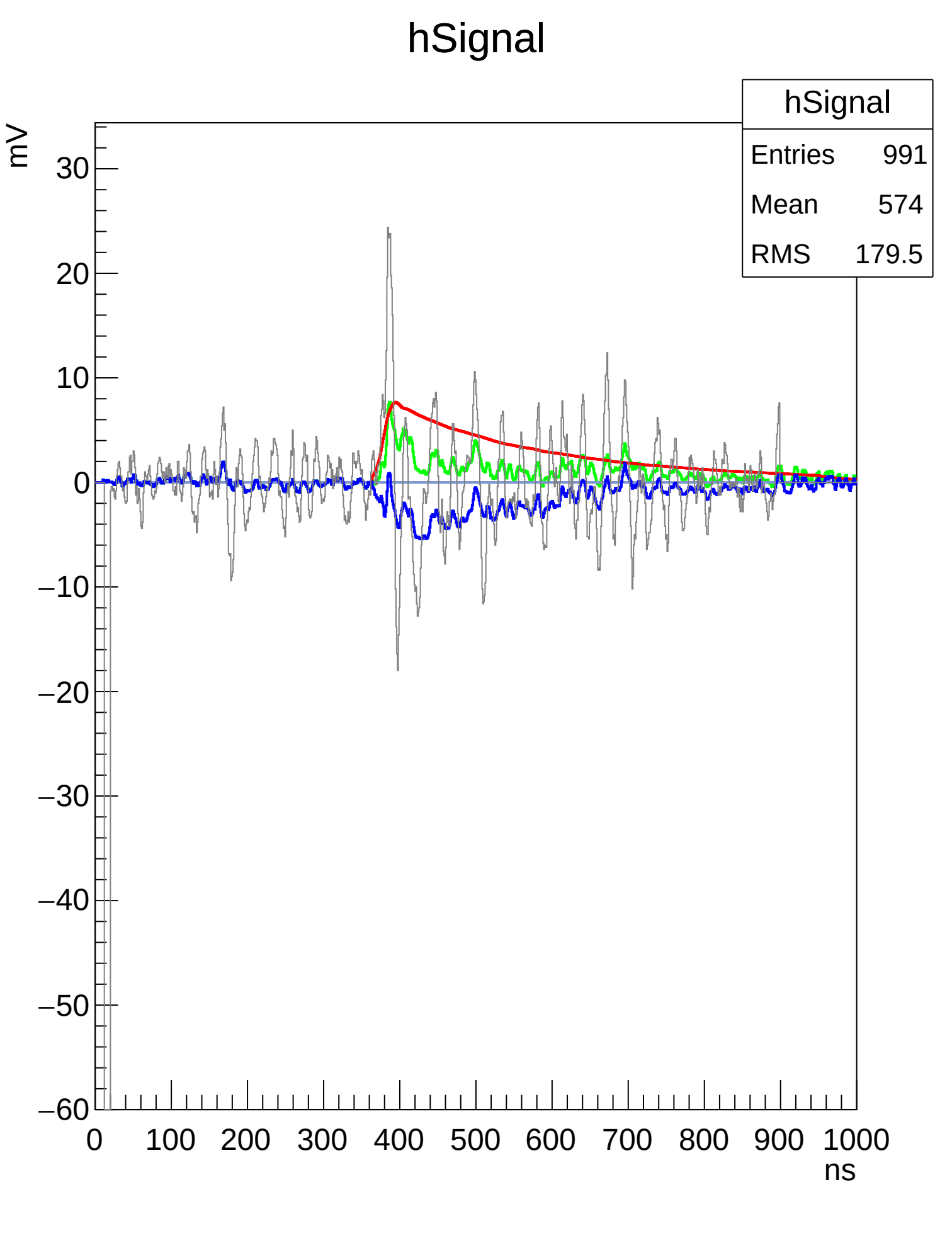
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574
RMS 179.5
mV
30
20
10
0
−10
−20
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−40
−50
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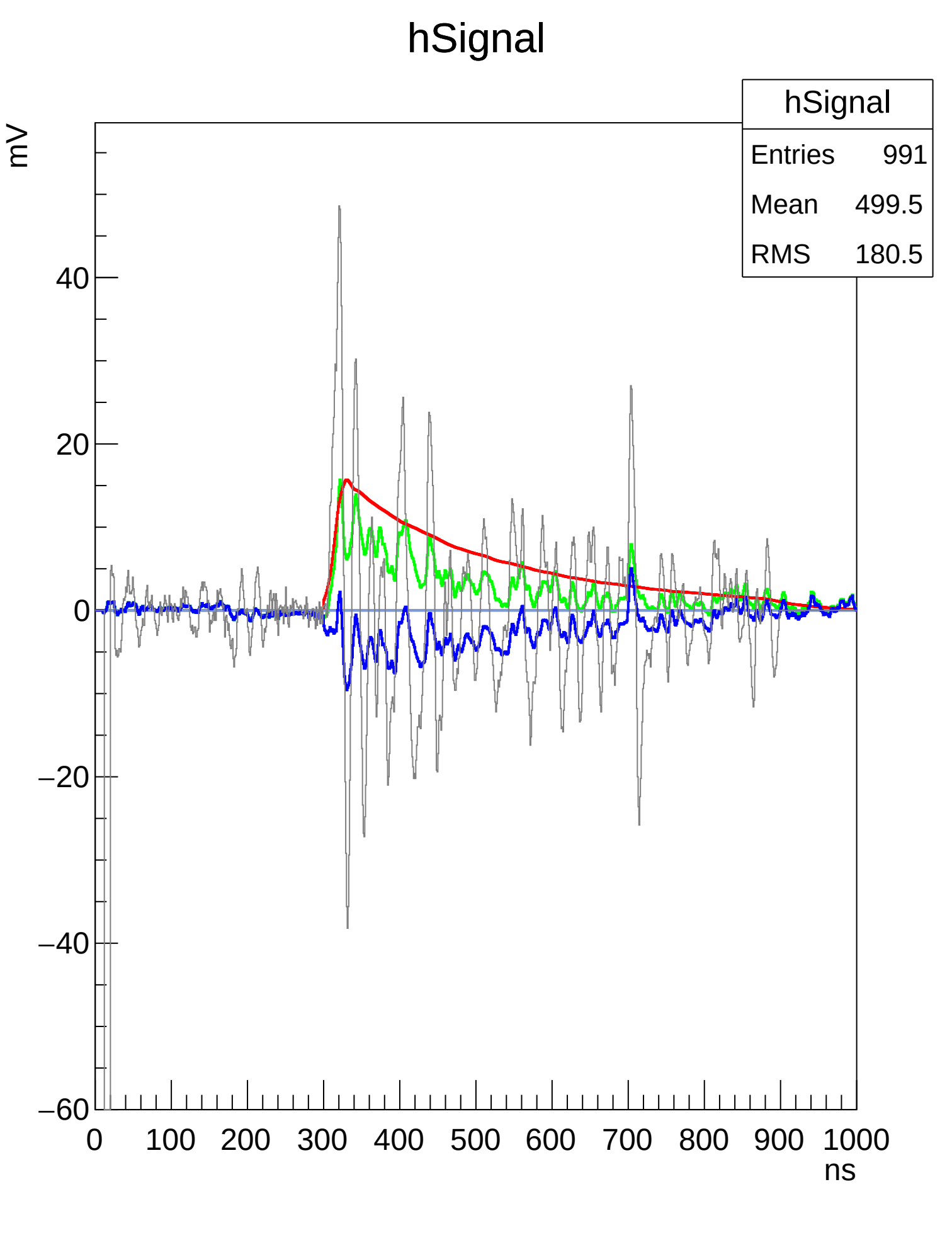
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.5
RMS 180.5
mV
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−20
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0
100
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400
500
600
700
800
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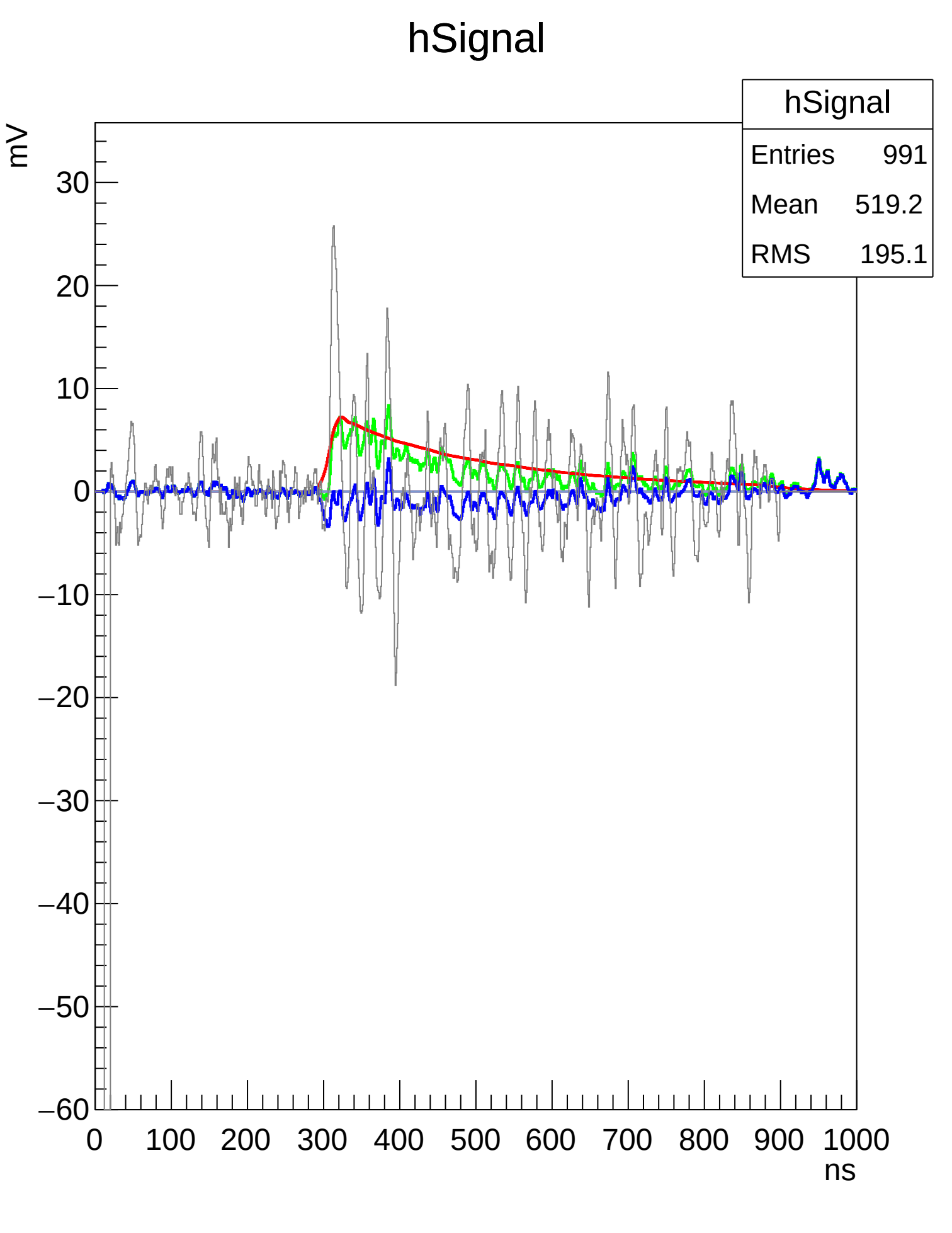
1000
ns


hSignal
hSignal
Entries 991
Mean 519.2
RMS 195.1
mV
30
20
10
0
−10
−20
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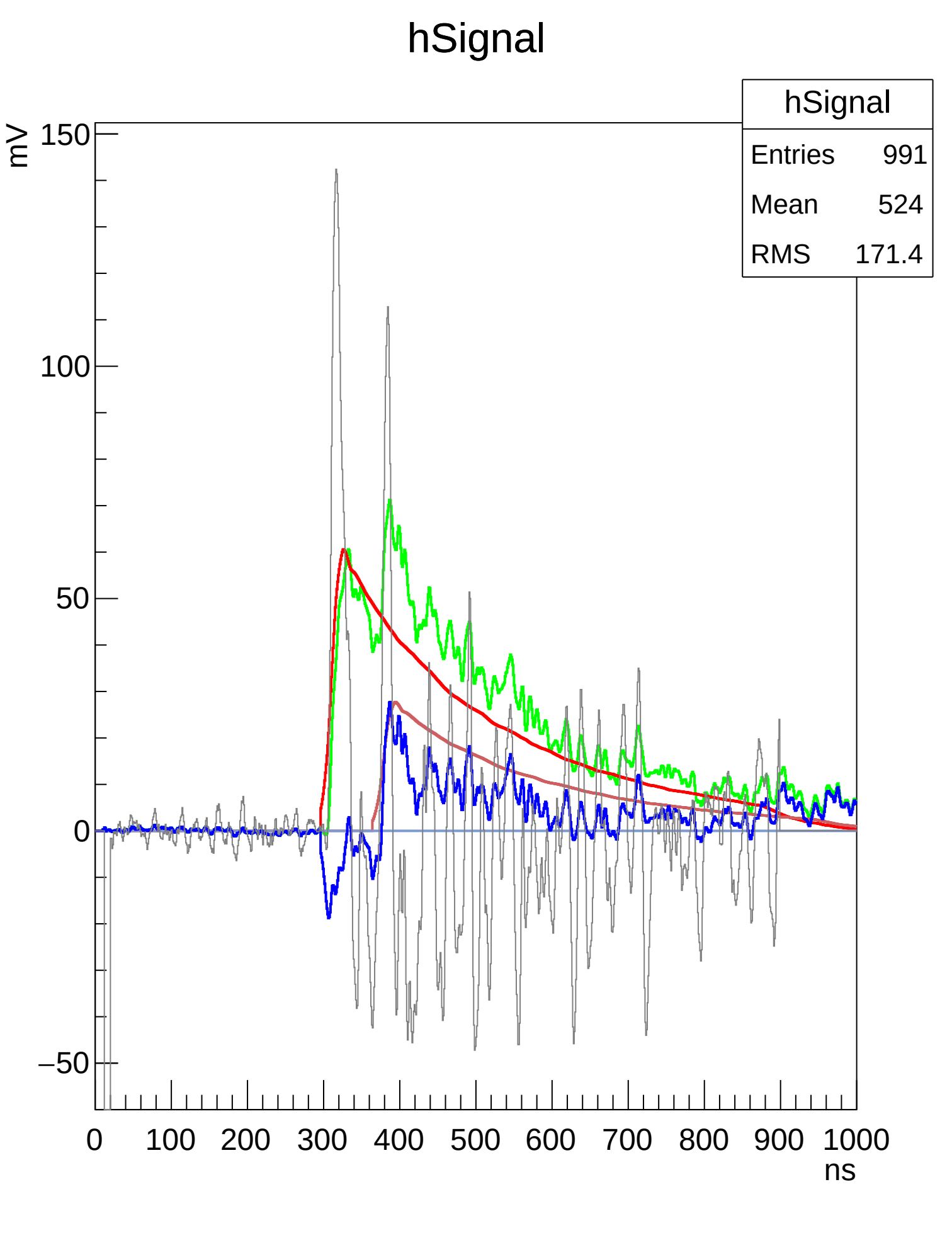
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524
RMS 171.4
mV
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100
50
0
−50
0
100
200
300
400
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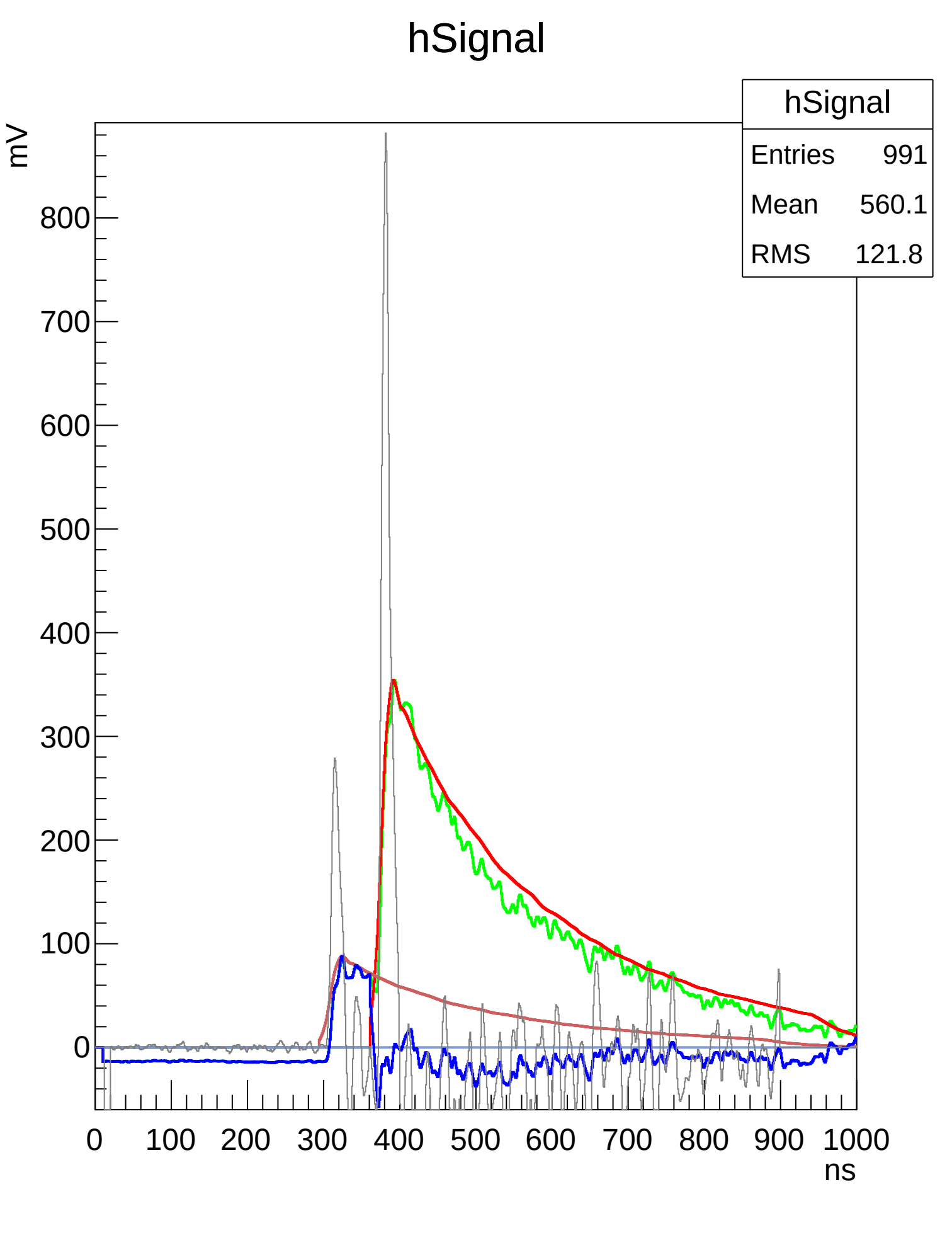
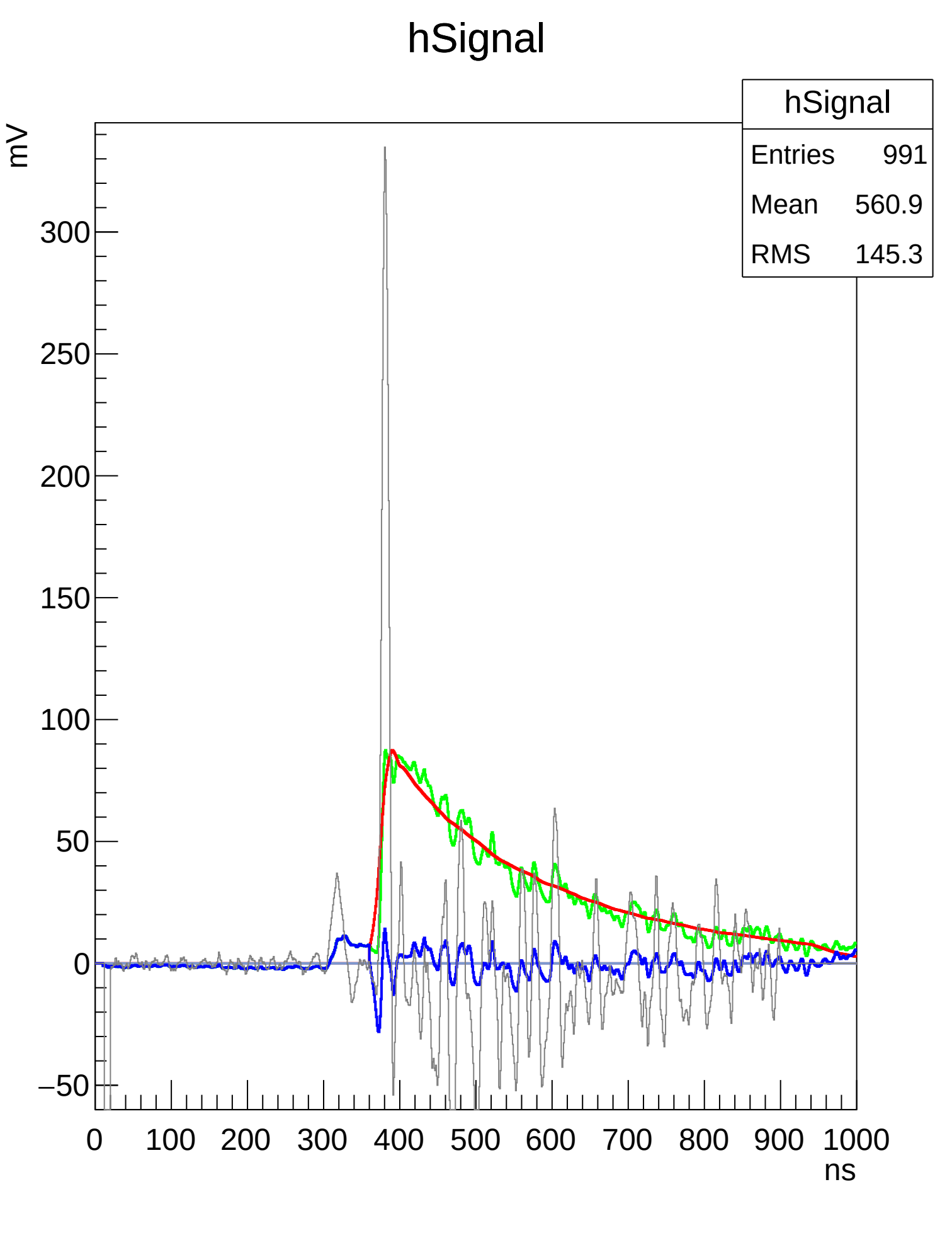
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.1
RMS 121.8
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.9
RMS 145.3
mV
300
250
200
150
100
50
0
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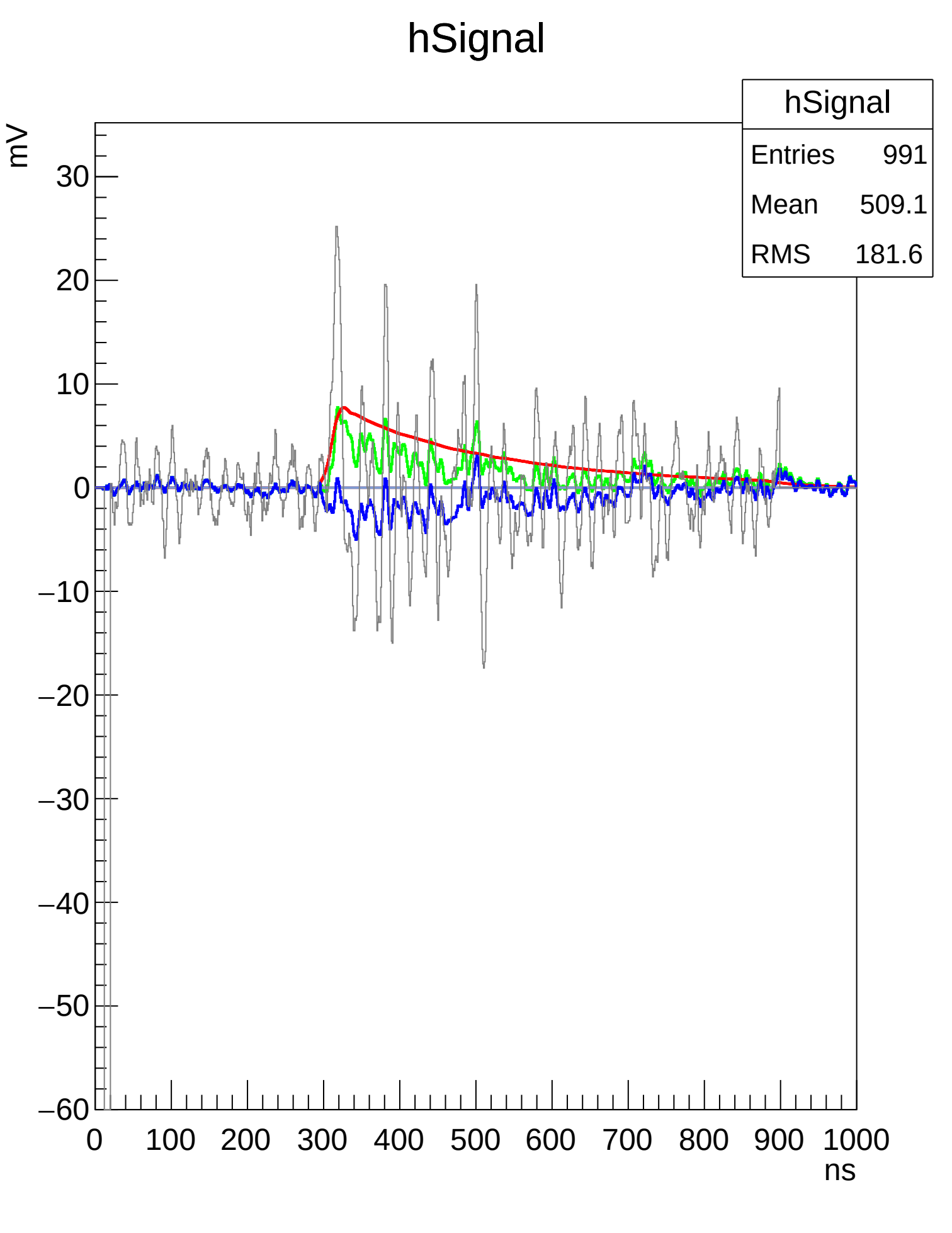
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.1
RMS 181.6
mV
30
20
10
0
−10
−20
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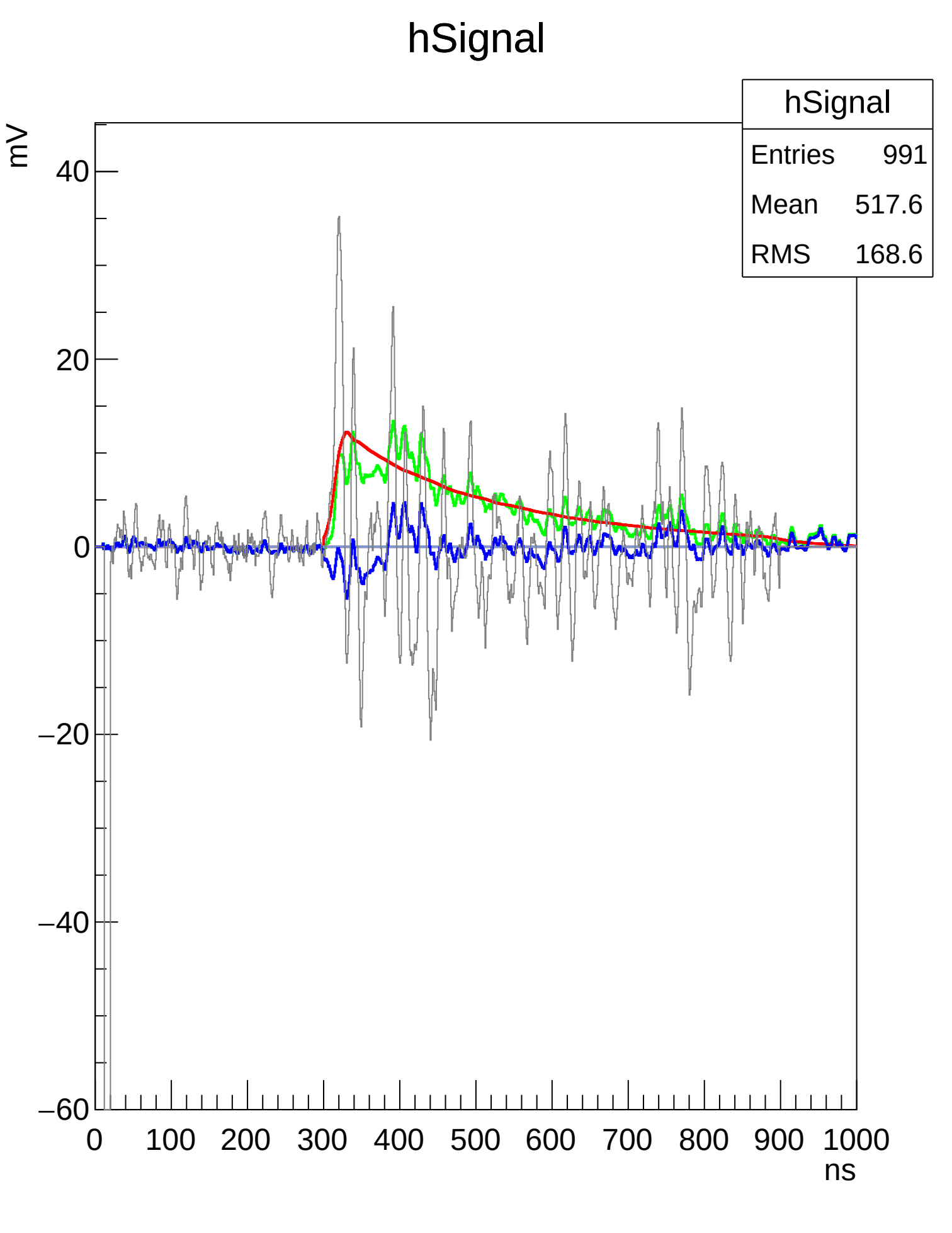
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.6
RMS 168.6
mV
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−20
−40
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0
100
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400
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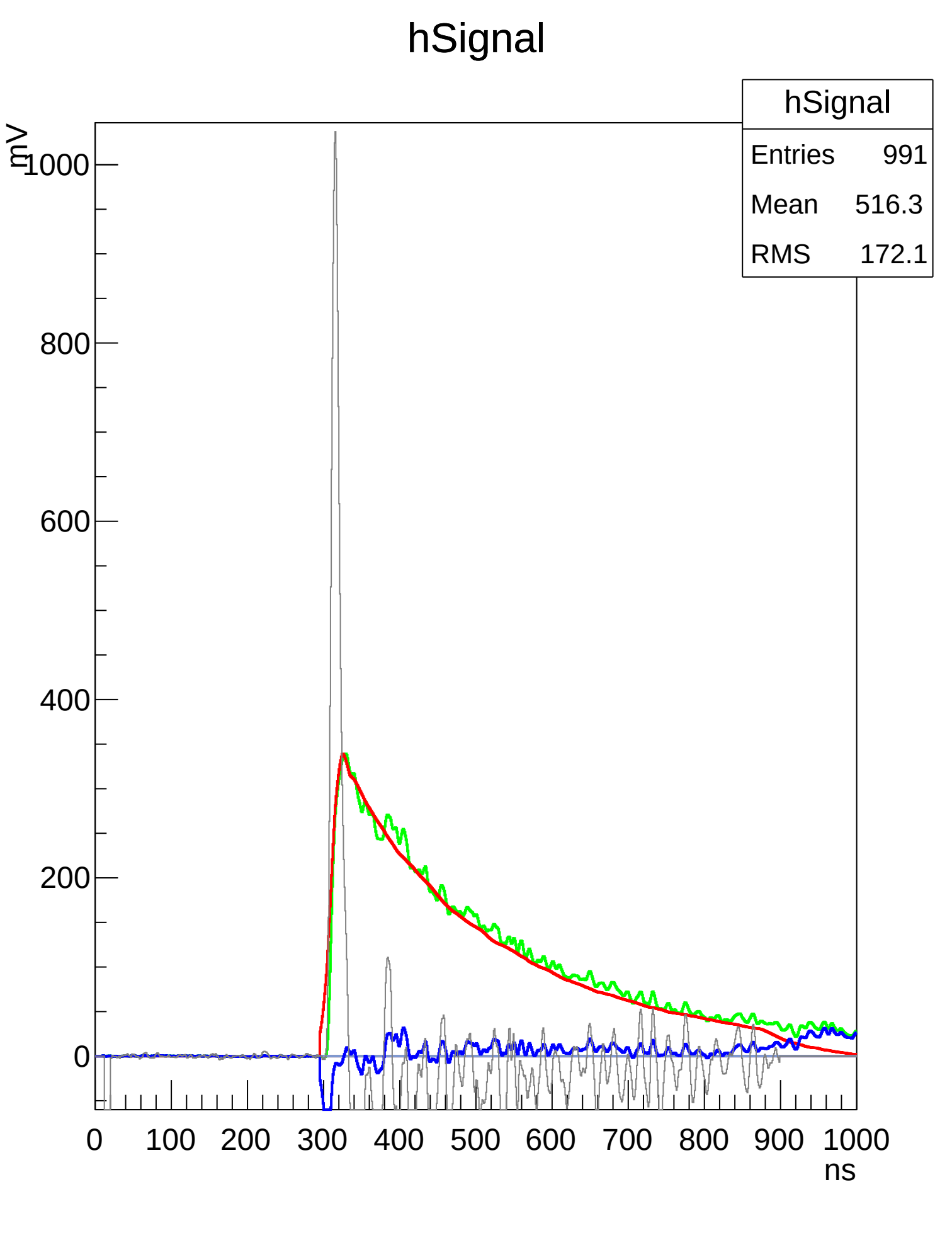
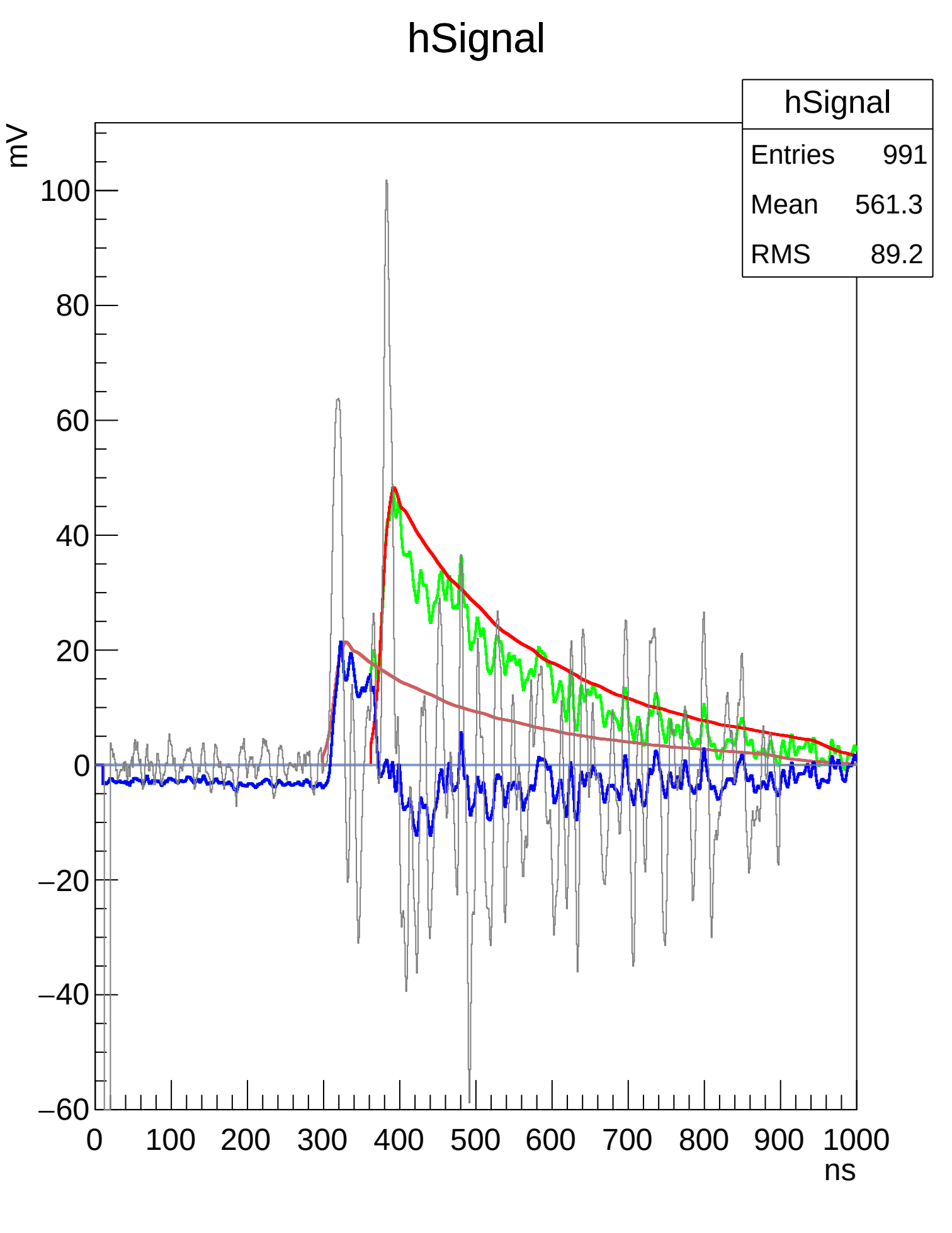
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.3
RMS 172.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.3
RMS 89.2
mV
100
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100
200
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400
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800
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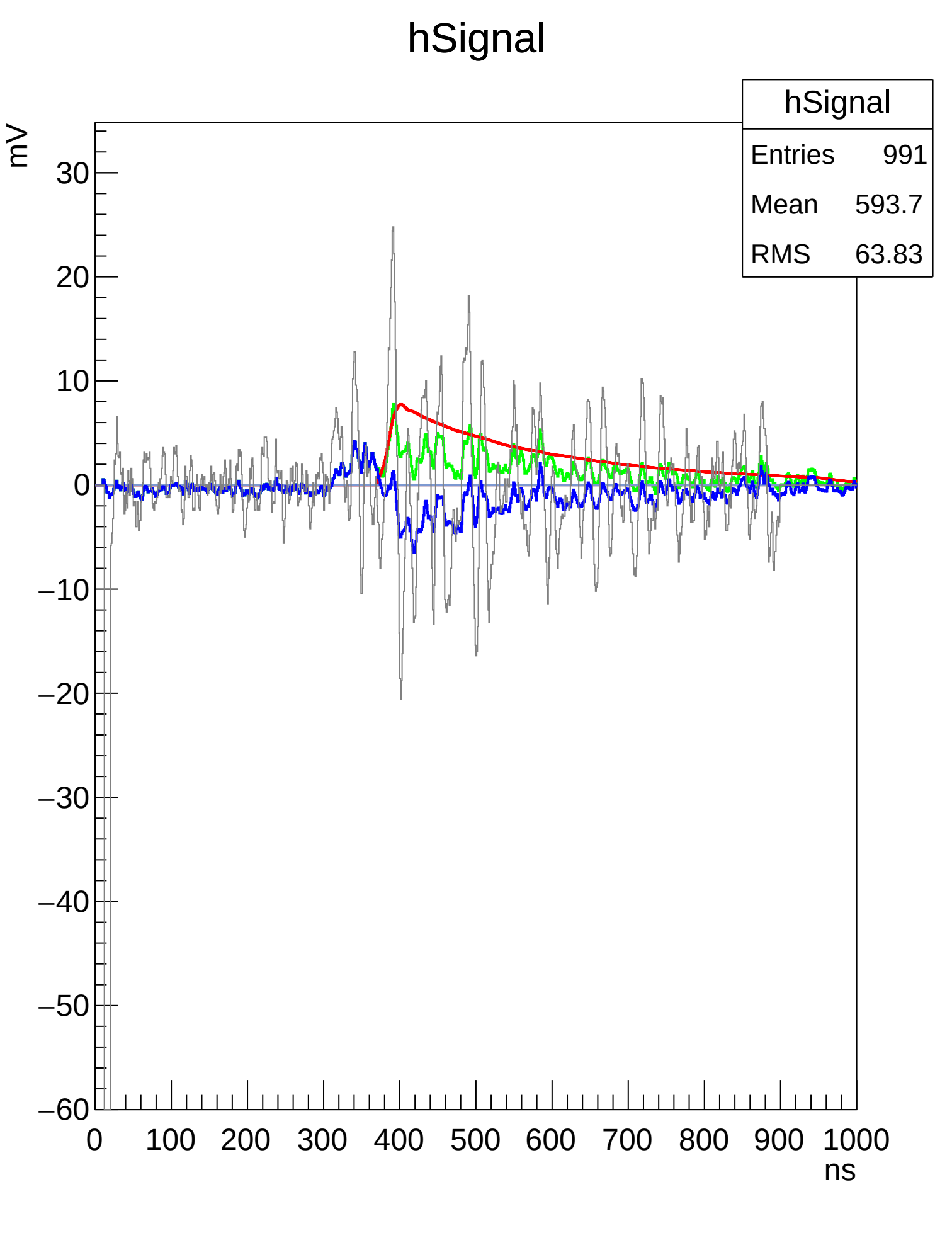
1000
ns


hSignal
hSignal
Entries 991
Mean 593.7
RMS 63.83
mV
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0
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400
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800
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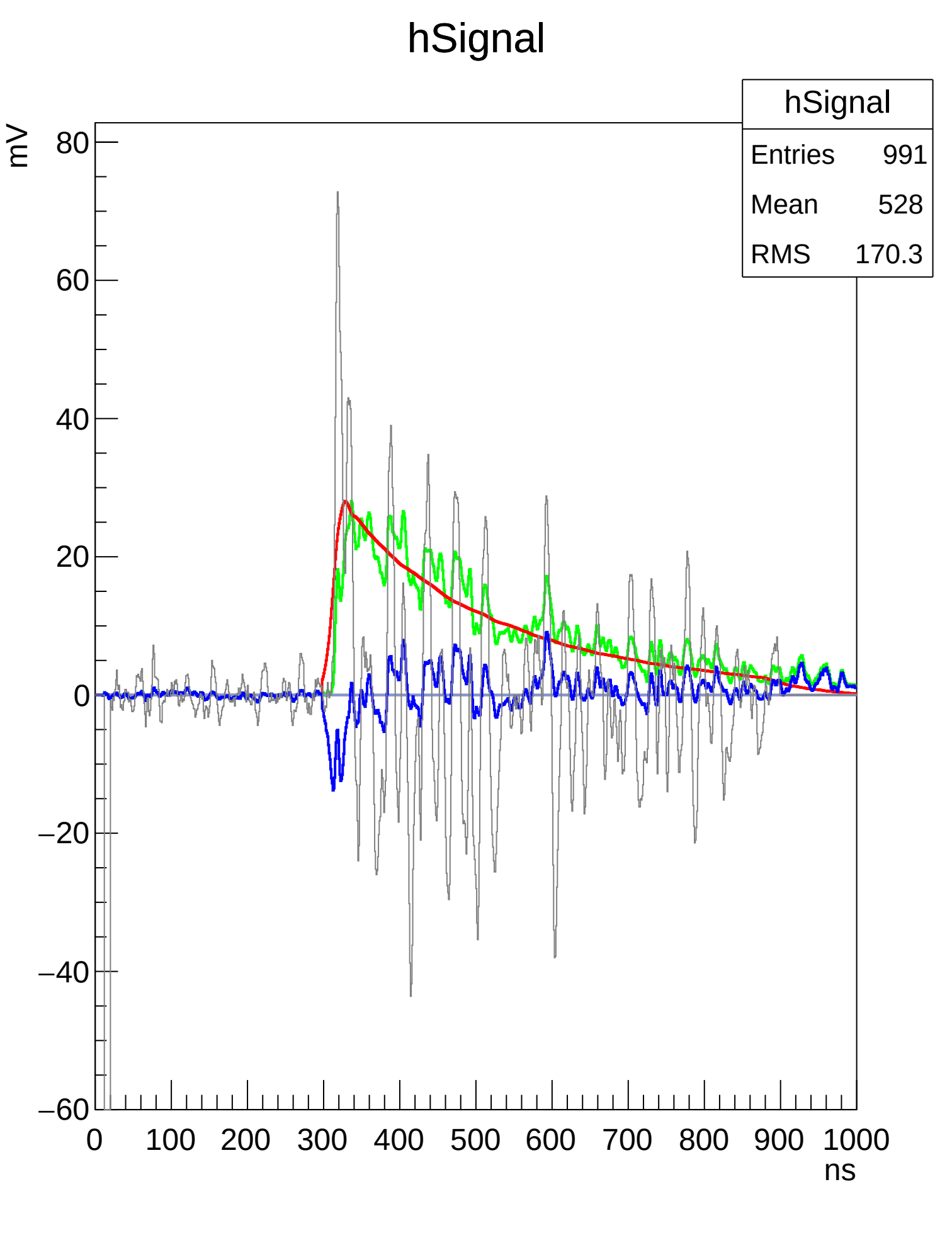
1000
ns


hSignal
hSignal
Entries 991
Mean 528
RMS 170.3
mV
80
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20
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−20
−40
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0
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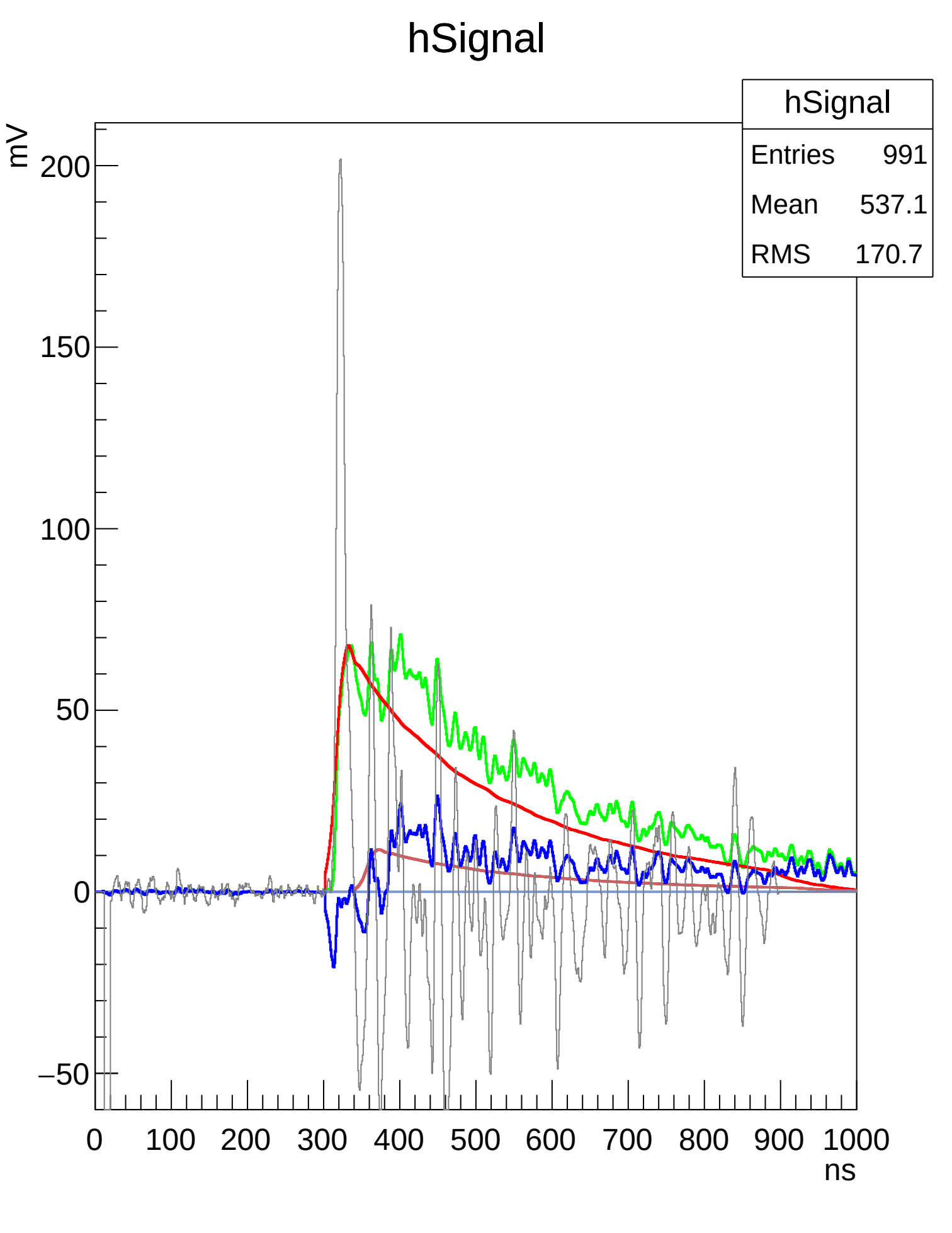
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.1
RMS 170.7
mV
200
150
100
50
0
−50
0
100
200
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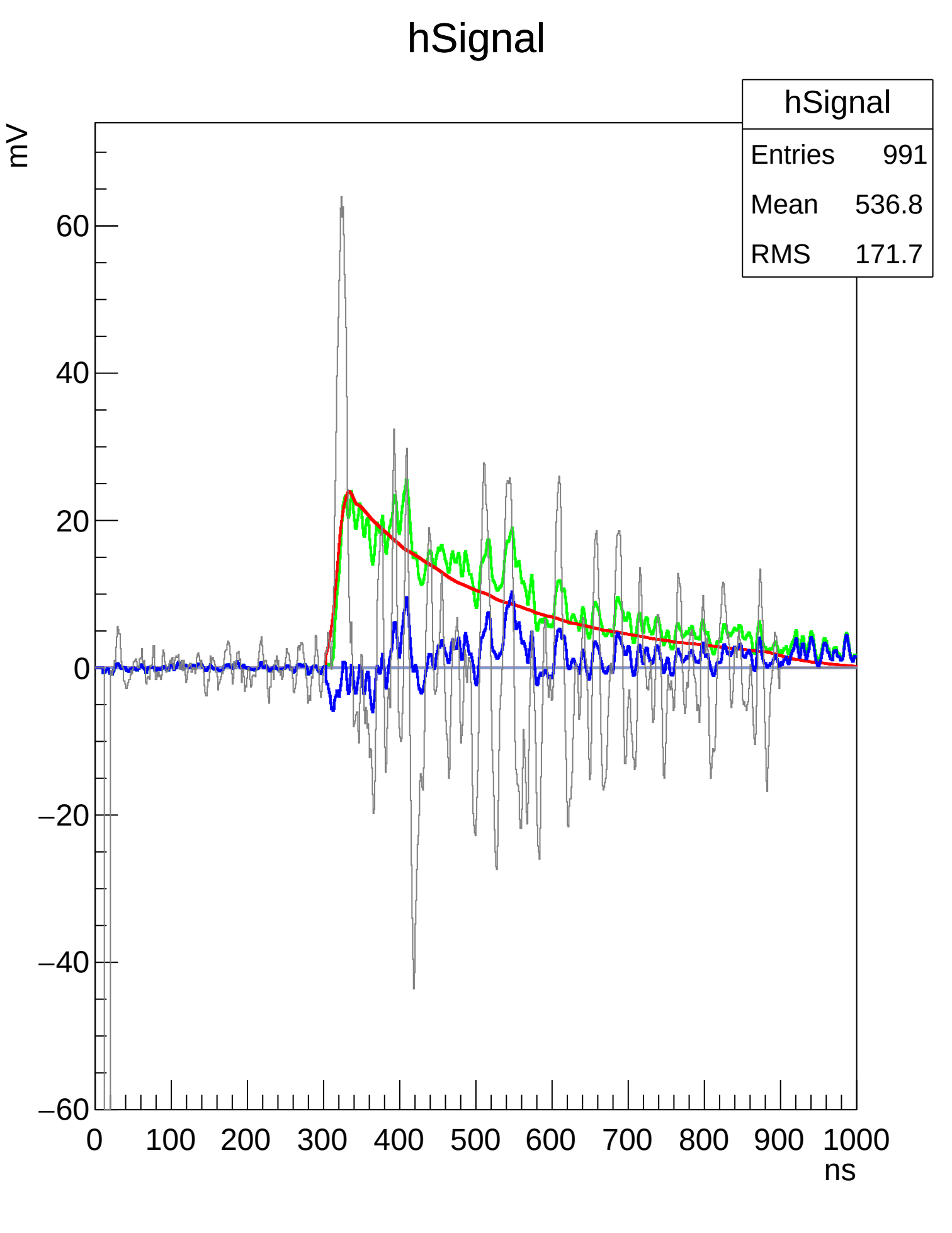
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.8
RMS 171.7
mV
60
40
20
0
−20
−40
−60
0
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200
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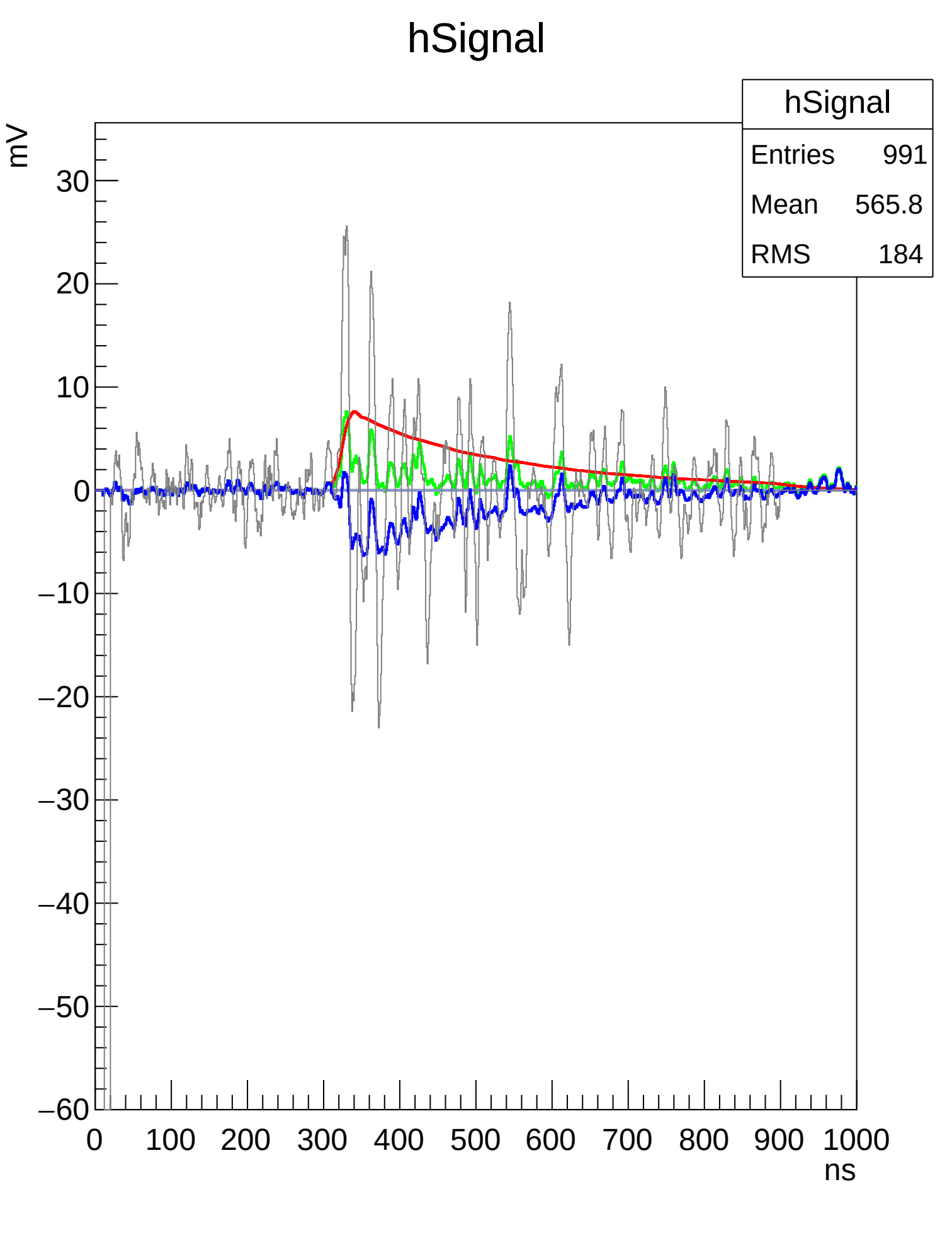
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.8
RMS 184
mV
30
20
10
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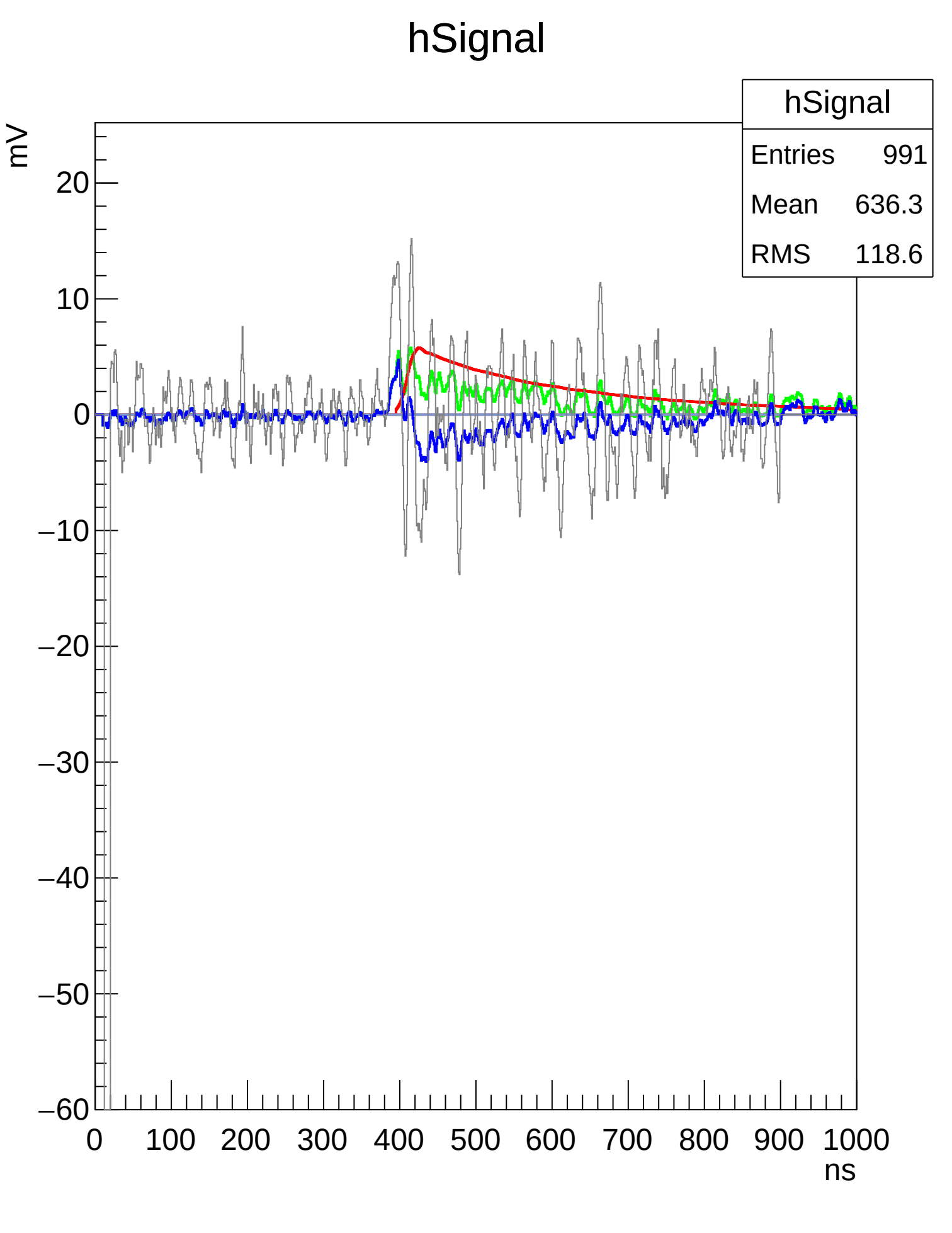
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 636.3
RMS 118.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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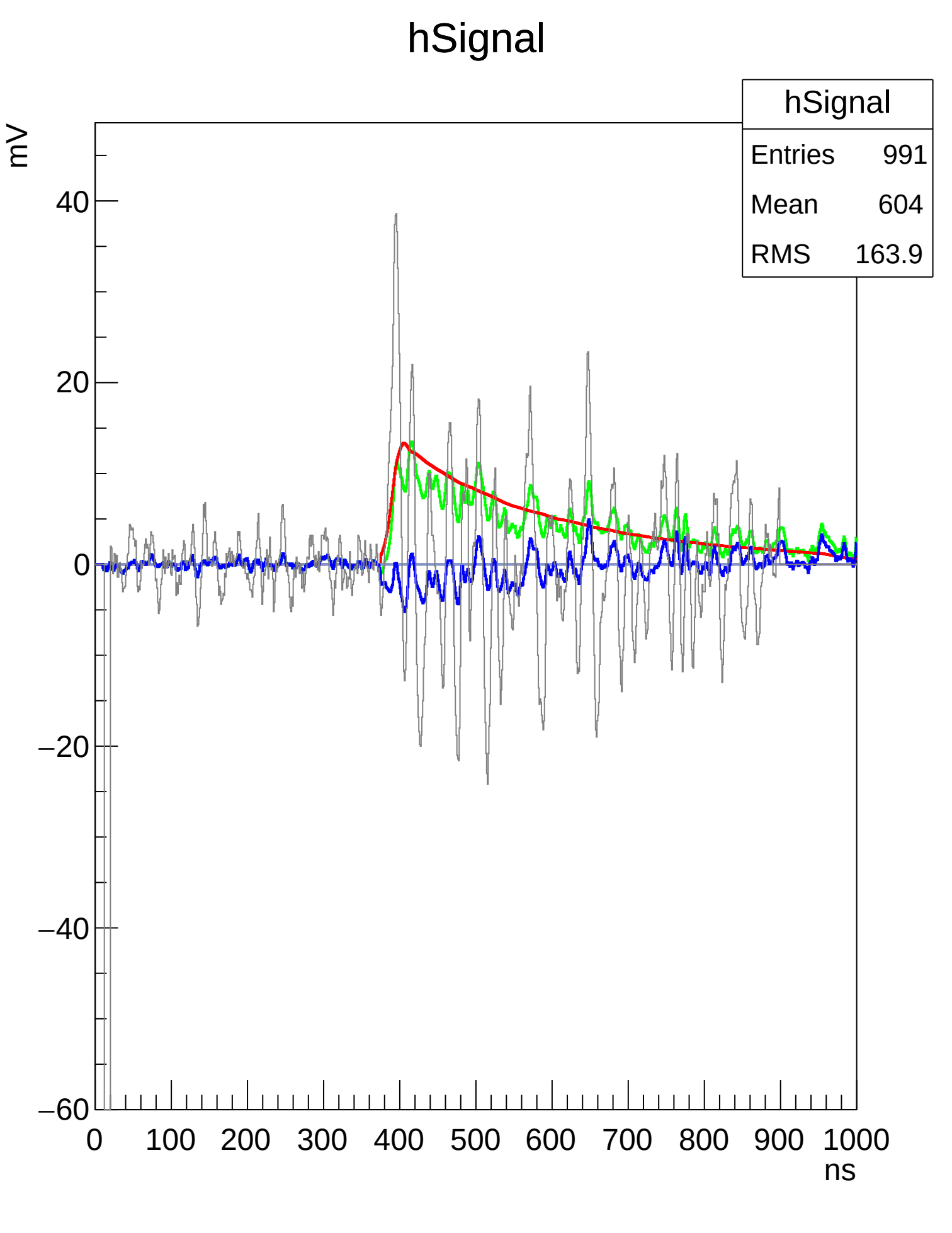
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604
RMS 163.9
mV
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−20
−40
−60
0
100
200
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400
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800
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1000
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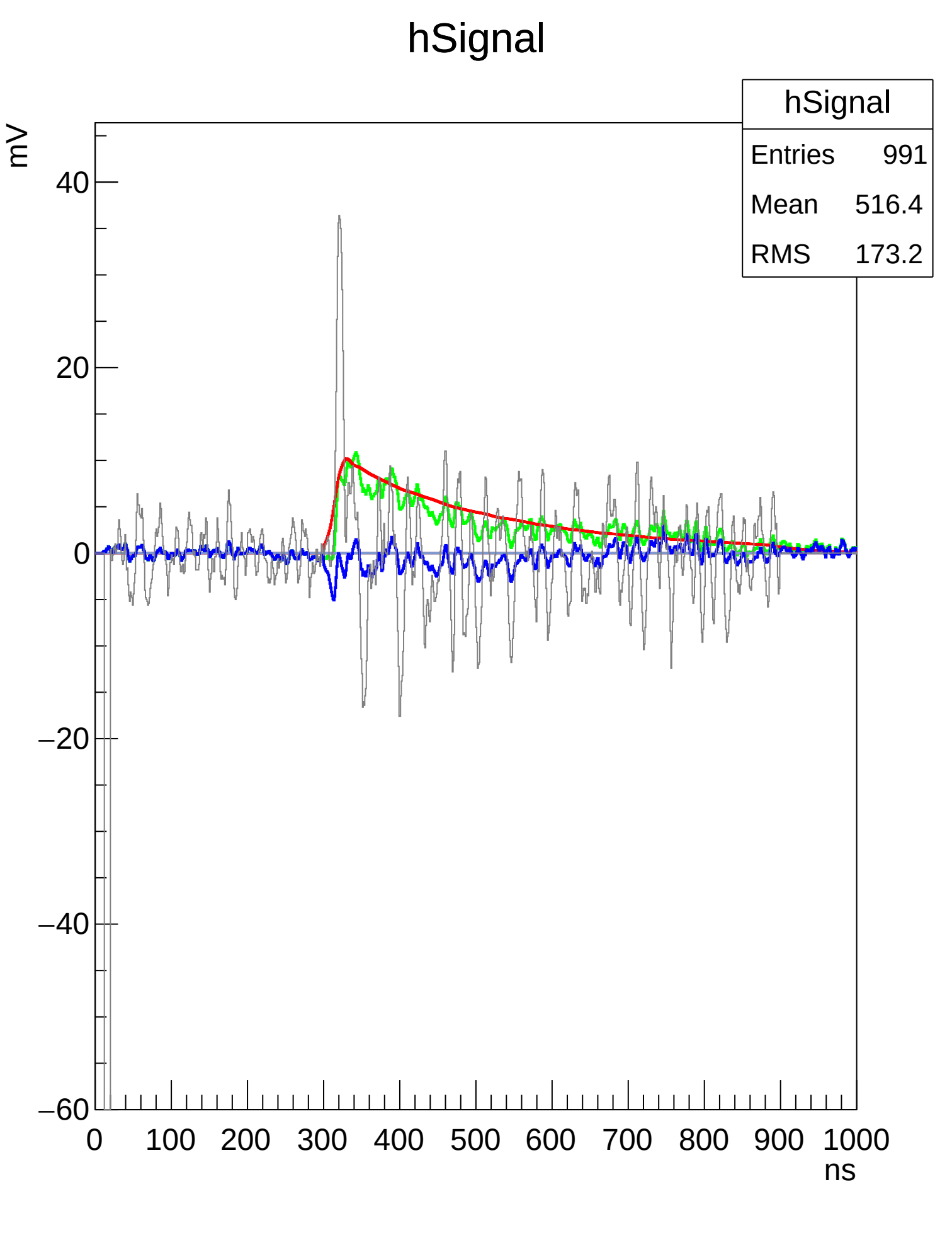
hSignal
hSignal
Entries 991
Mean 516.4
RMS 173.2
mV
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0
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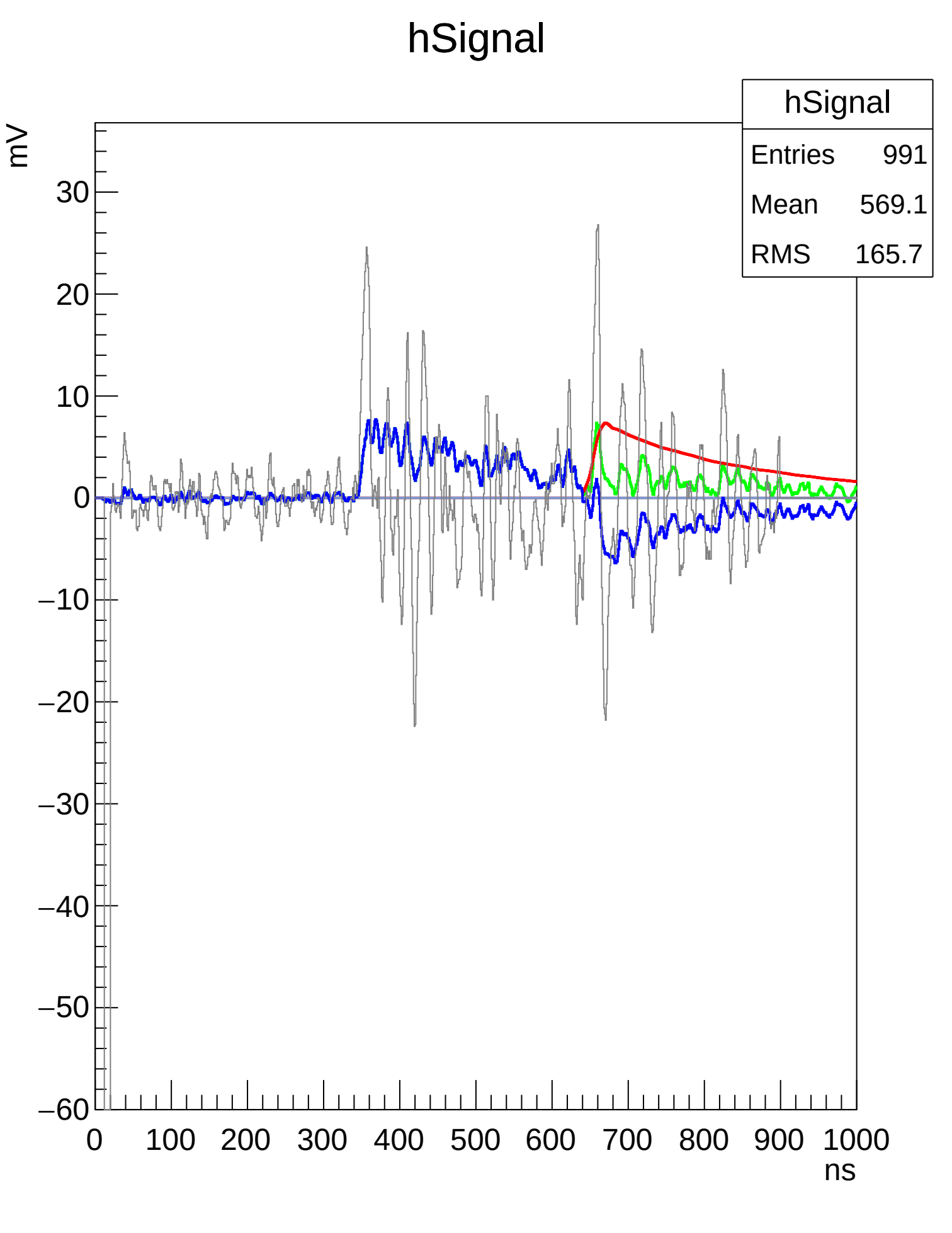
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.1
RMS 165.7
mV
30
20
10
0
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−40
−50
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0
100
200
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400
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800
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1000
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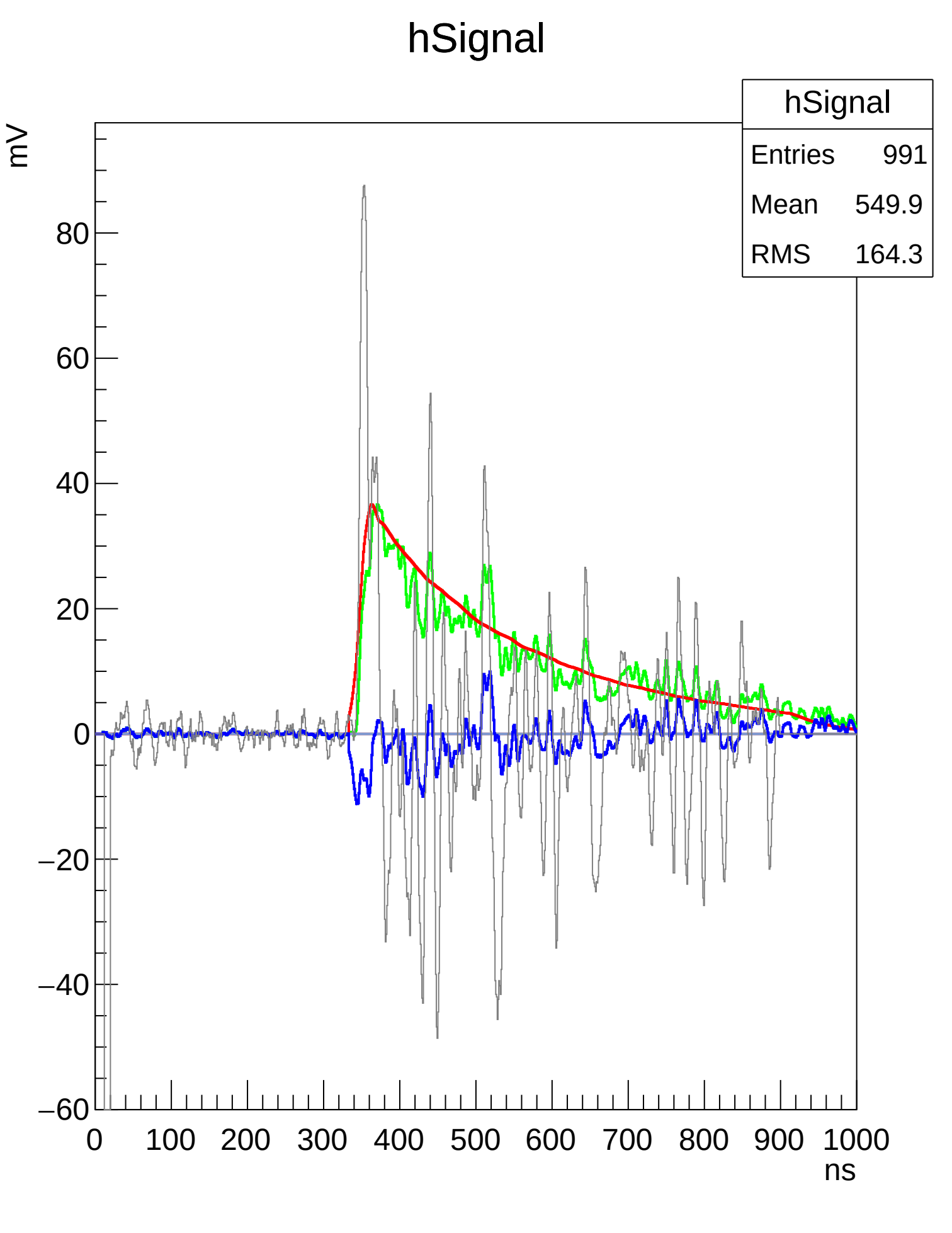
hSignal
hSignal
Entries 991
Mean 549.9
RMS 164.3
mV
80
60
40
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−20
−40
−60
0
100
200
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400
500
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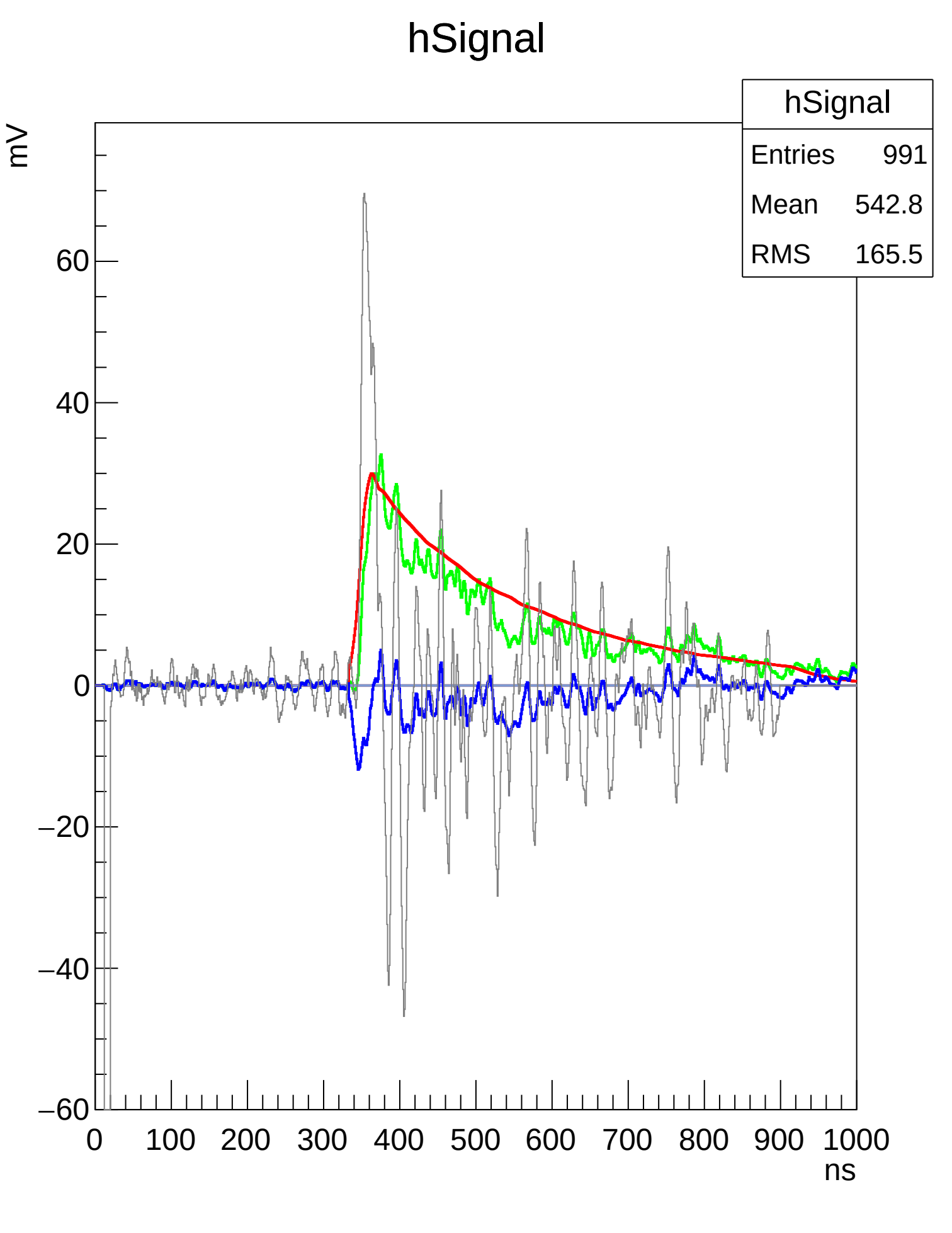
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.8
RMS 165.5
mV
60
40
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−20
−40
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0
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600
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800
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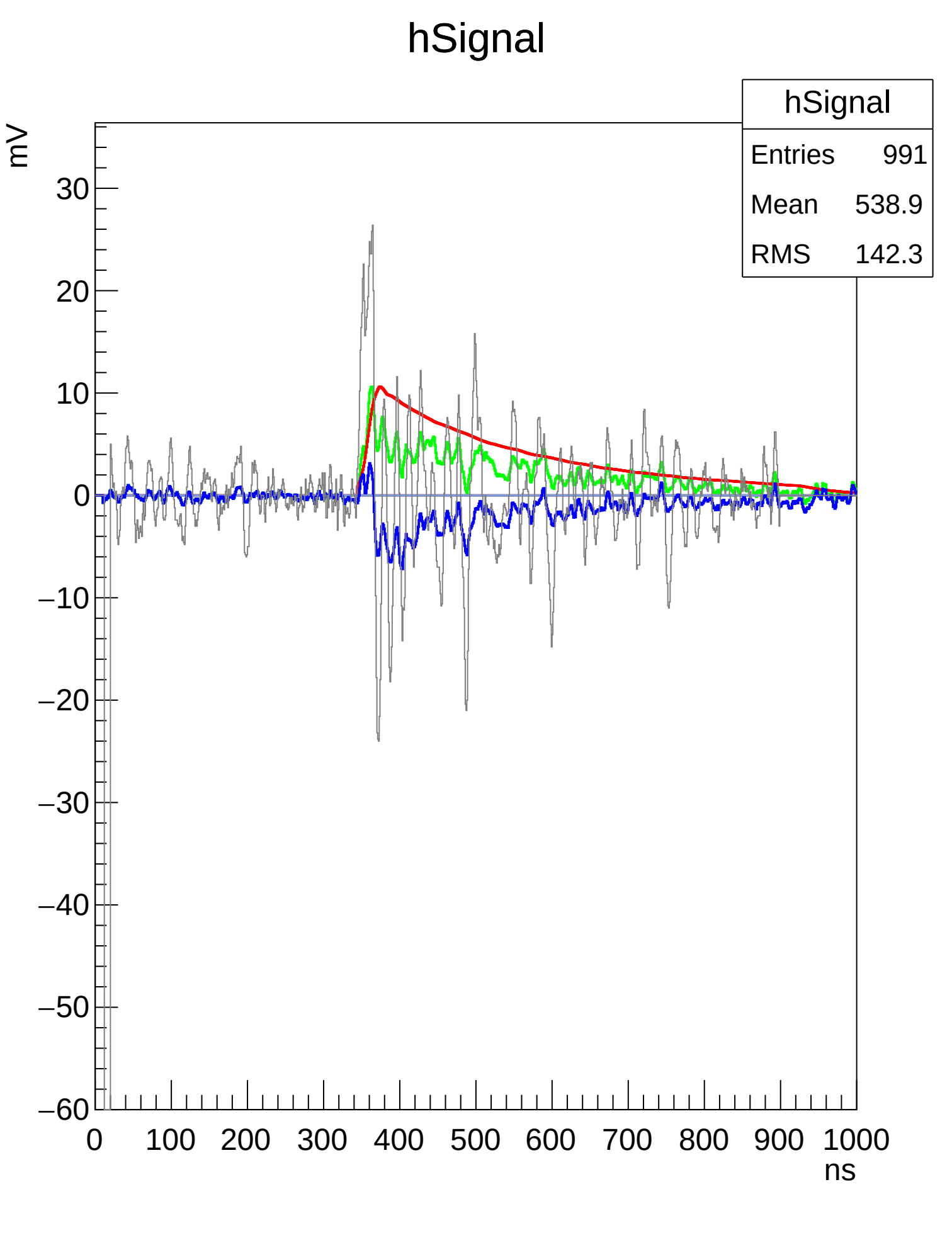
1000
ns


hSignal
hSignal
Entries 991
Mean 538.9
RMS 142.3
mV
30
20
10
0
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−50
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0
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200
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400
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800
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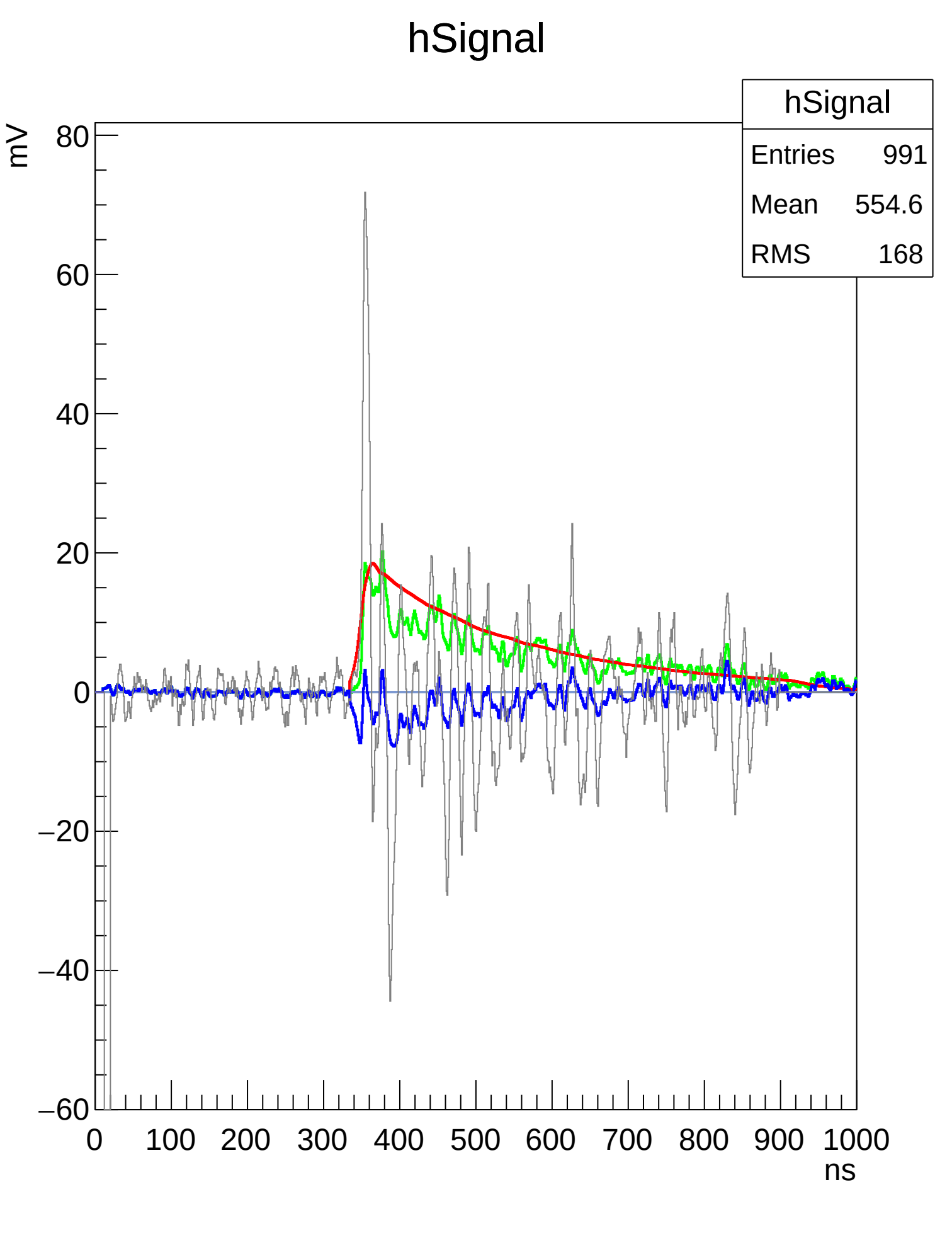
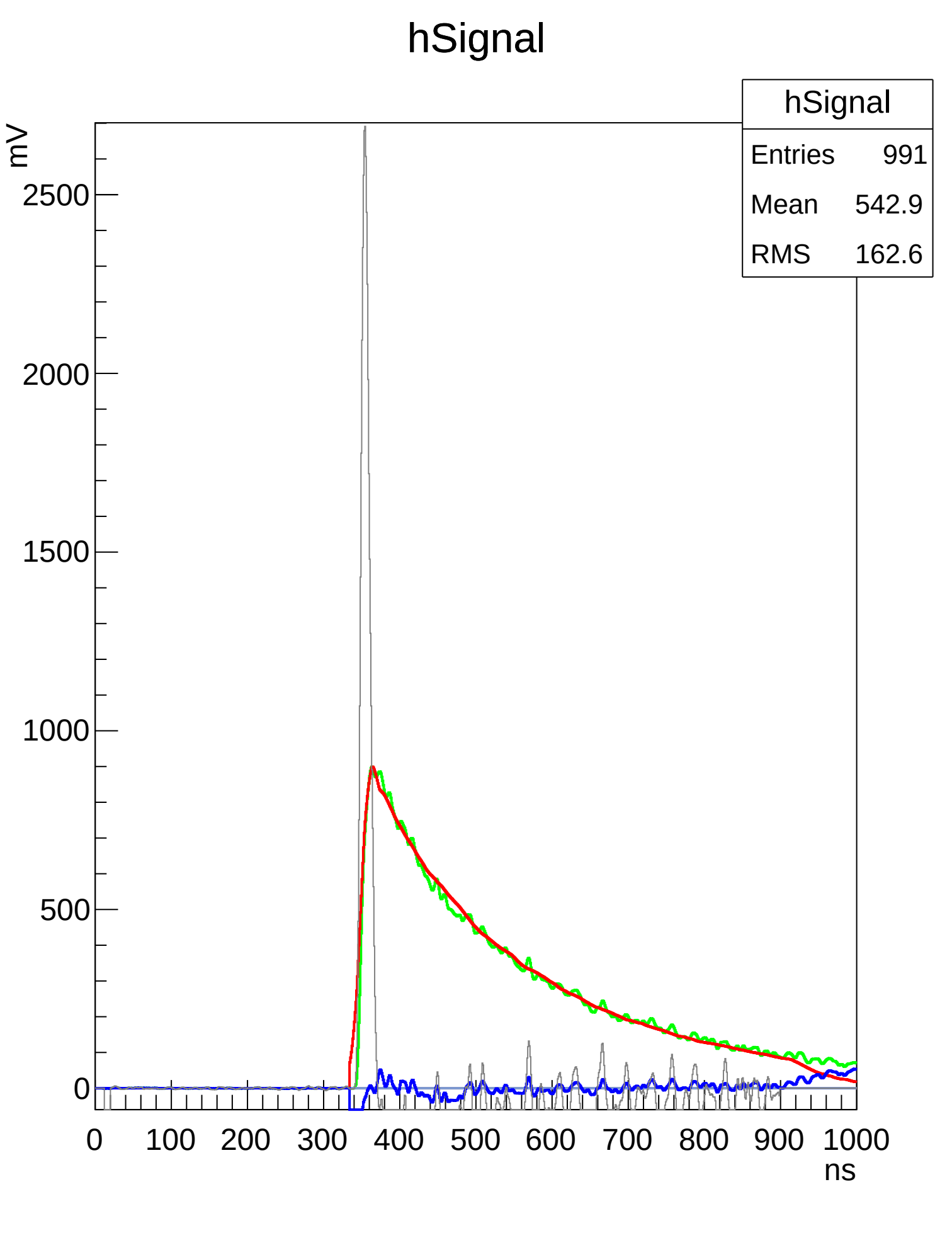
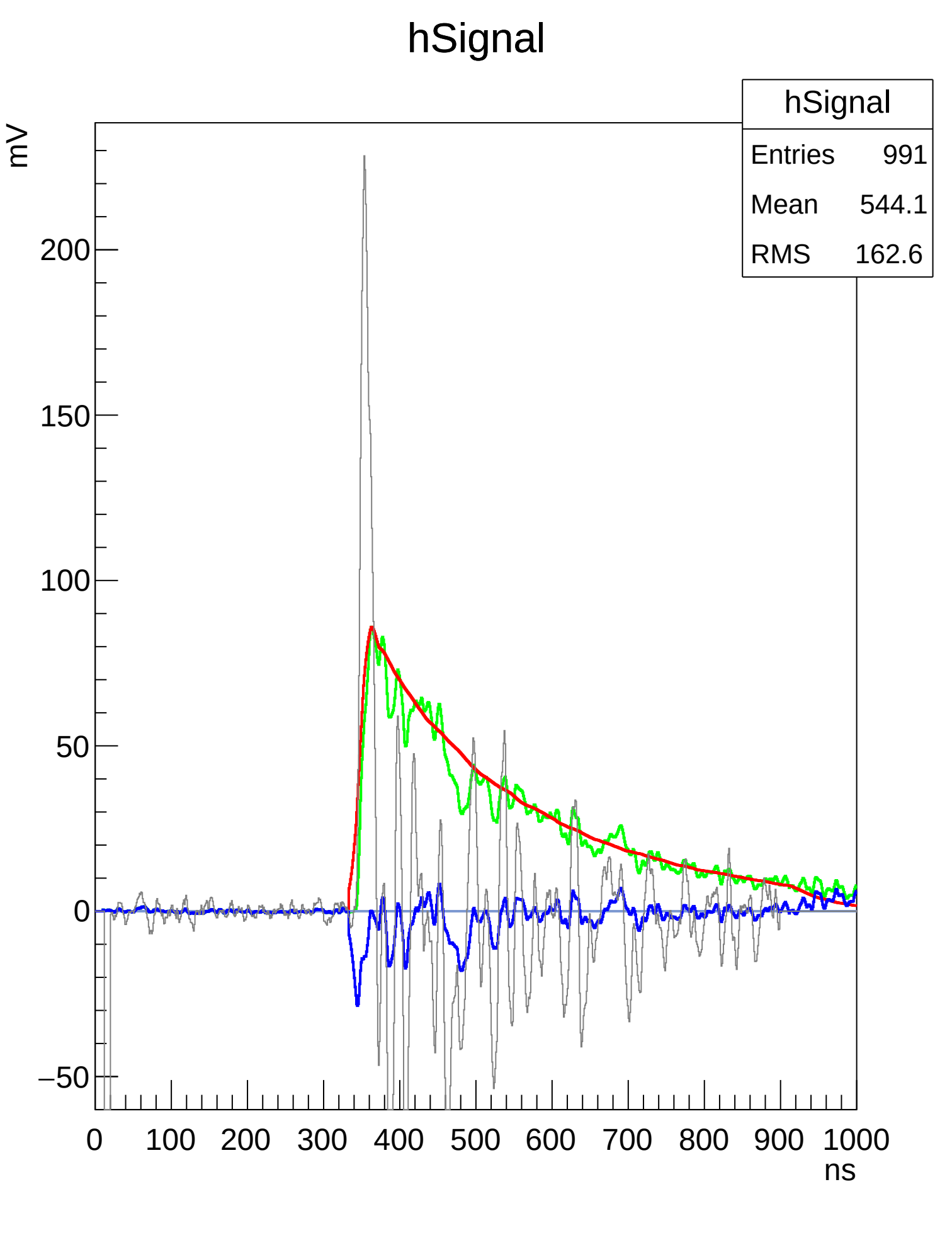
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 168
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.9
RMS 162.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.1
RMS 162.6
mV
200
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100
50
0
−50
0
100
200
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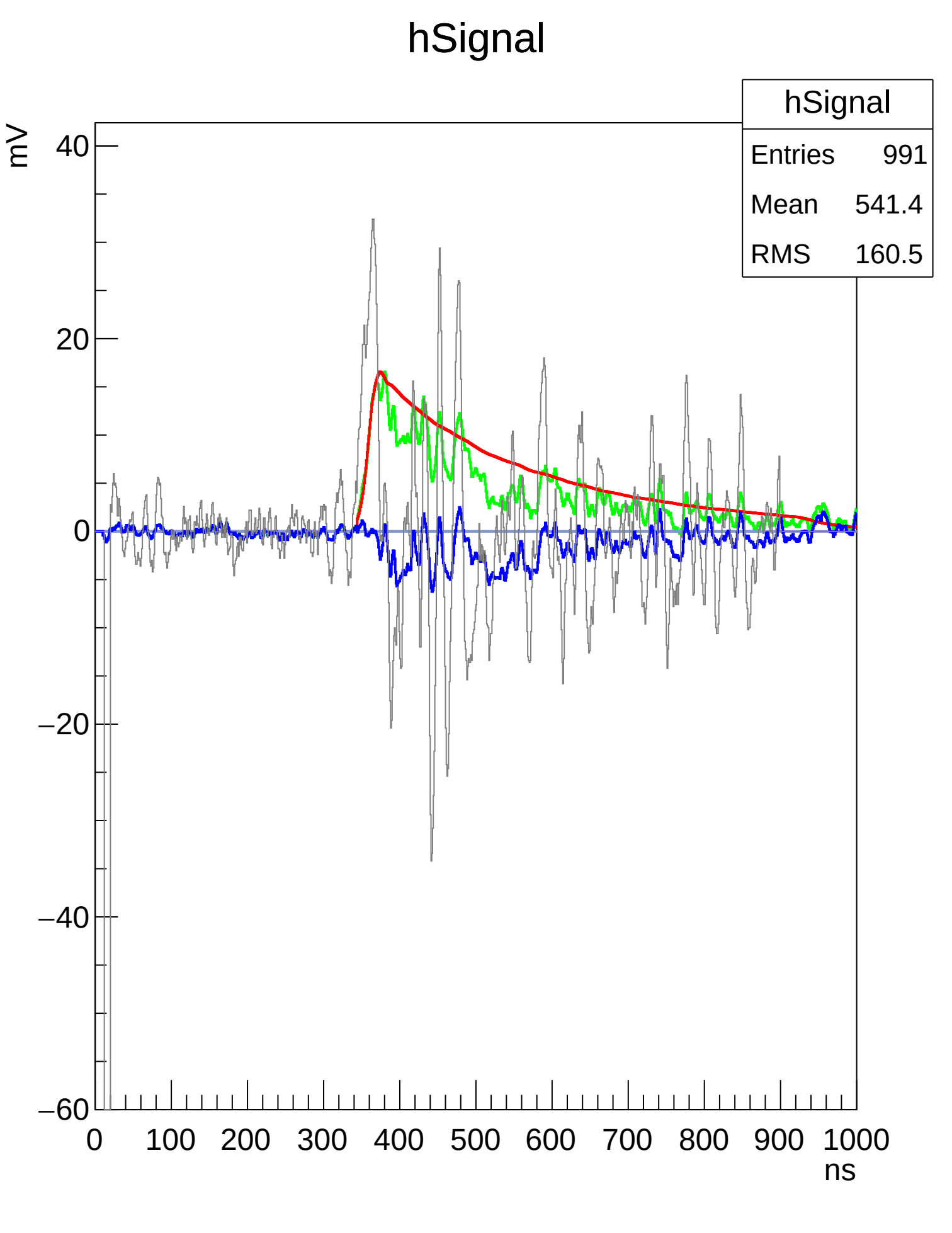
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.4
RMS 160.5
mV
40
20
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−20
−40
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0
100
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600
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800
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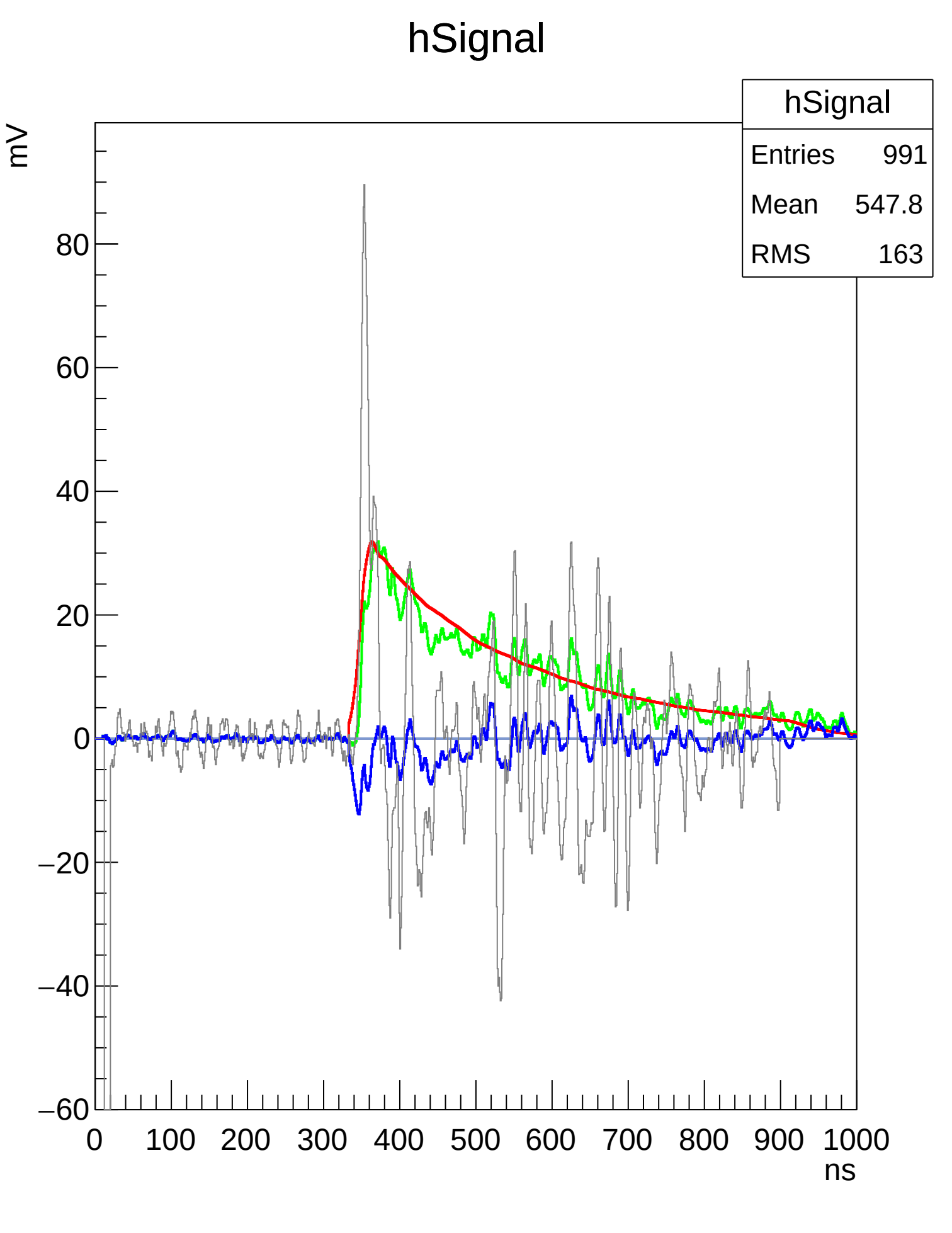
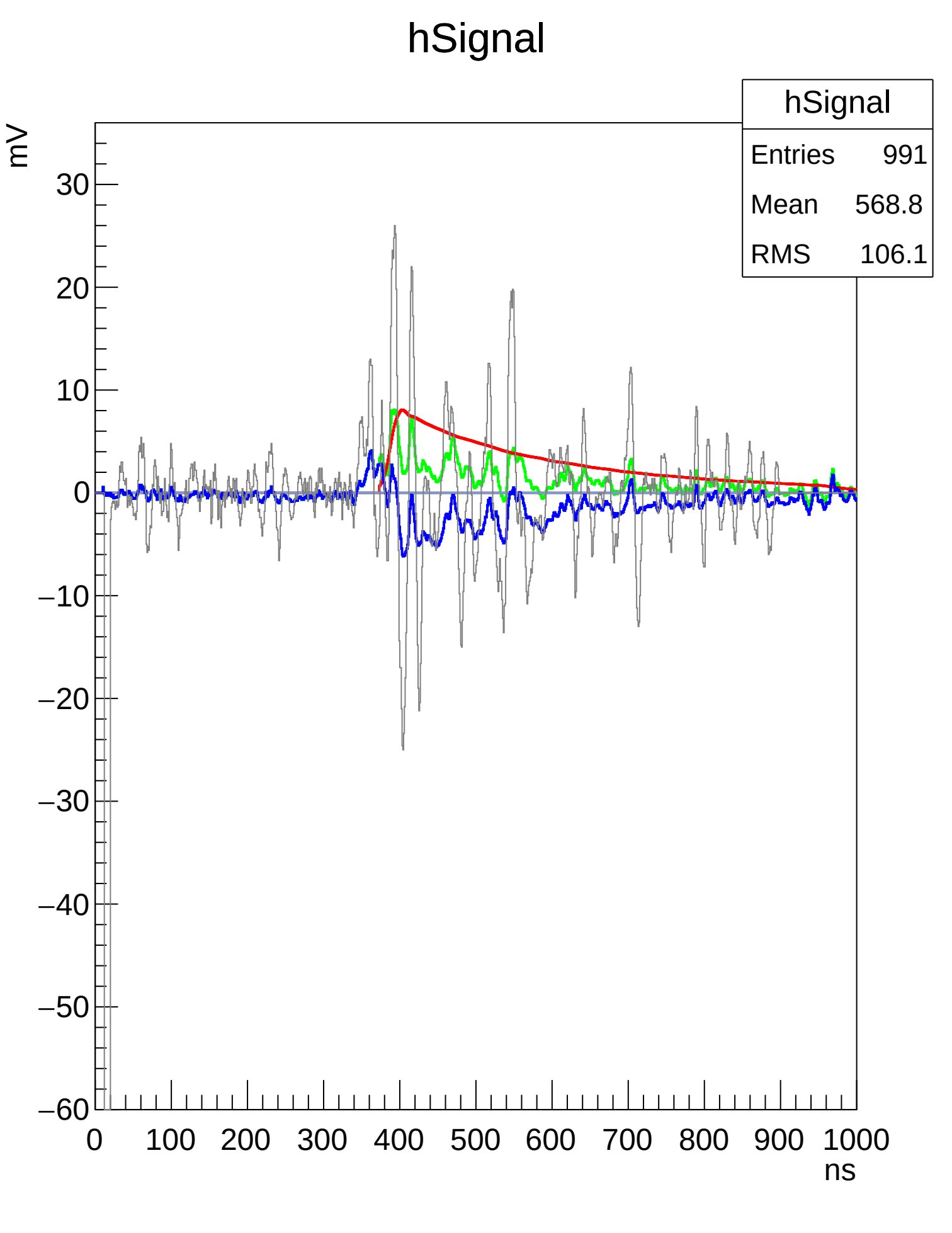
1000
ns


hSignal
hSignal
Entries 991
Mean 547.8
RMS 163
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.8
RMS 106.1
mV
30
20
10
0
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−50
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0
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200
300
400
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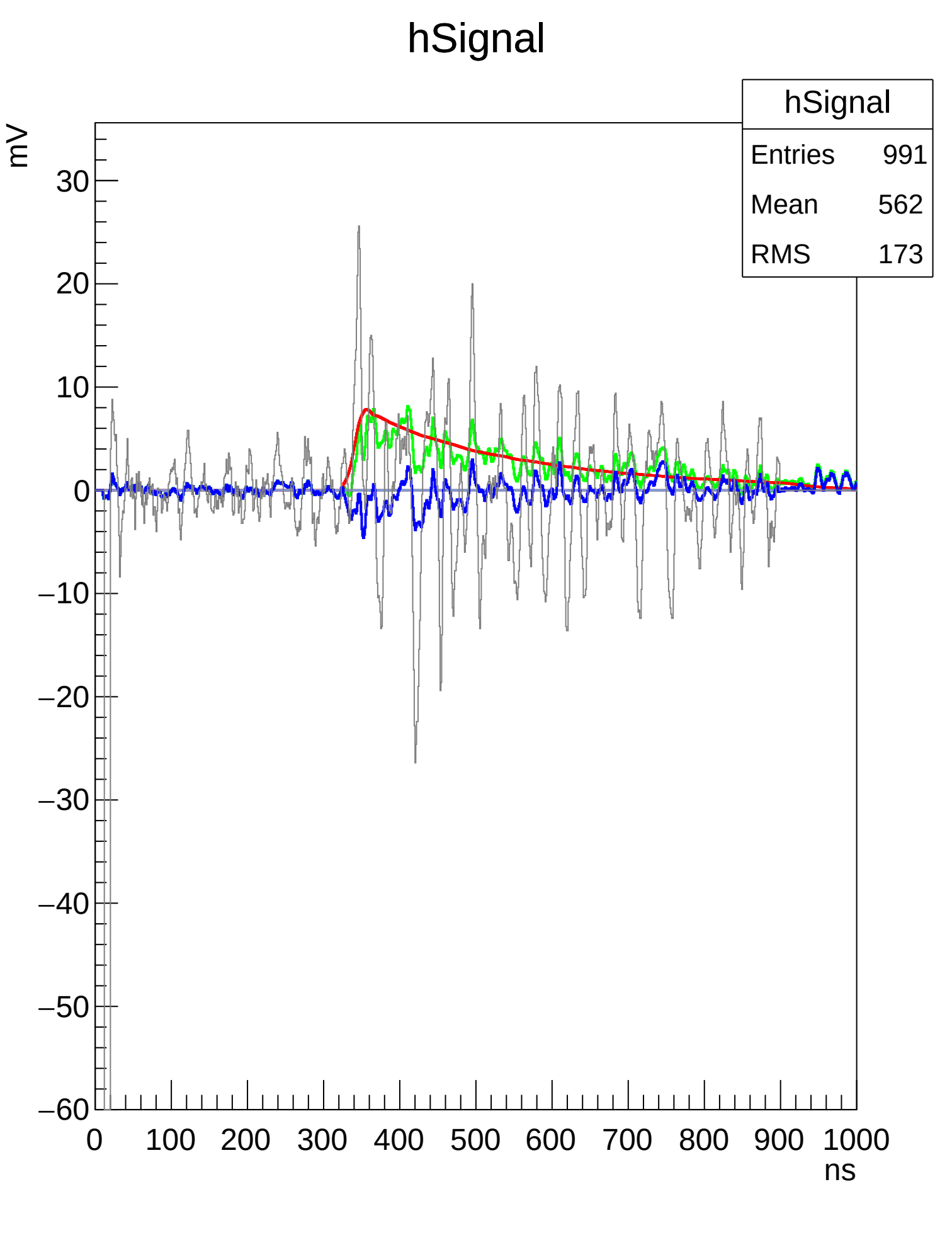
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562
RMS 173
mV
30
20
10
0
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−40
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0
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400
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800
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1000
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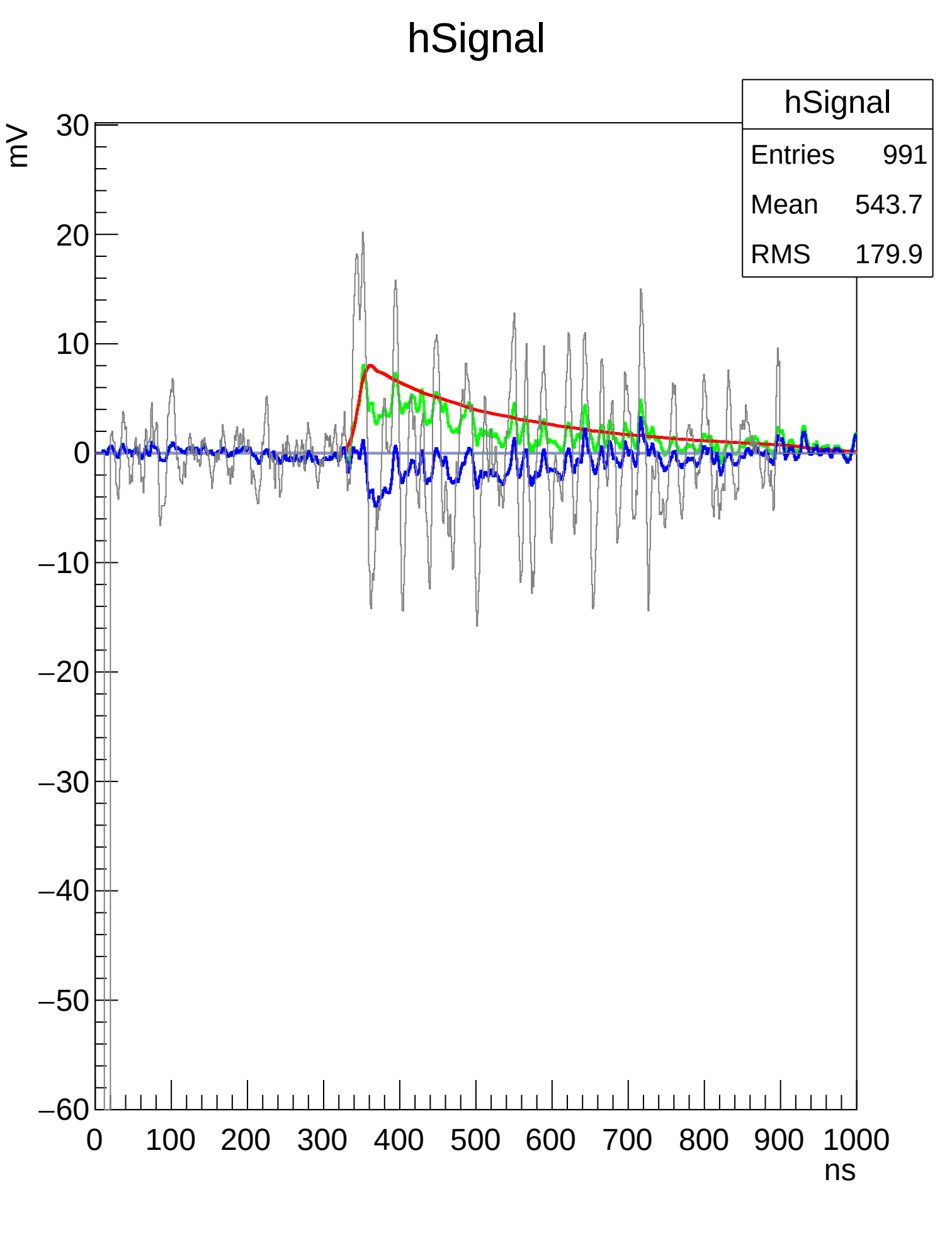
hSignal
hSignal
Entries 991
Mean 543.7
RMS 179.9
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
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400
500
600
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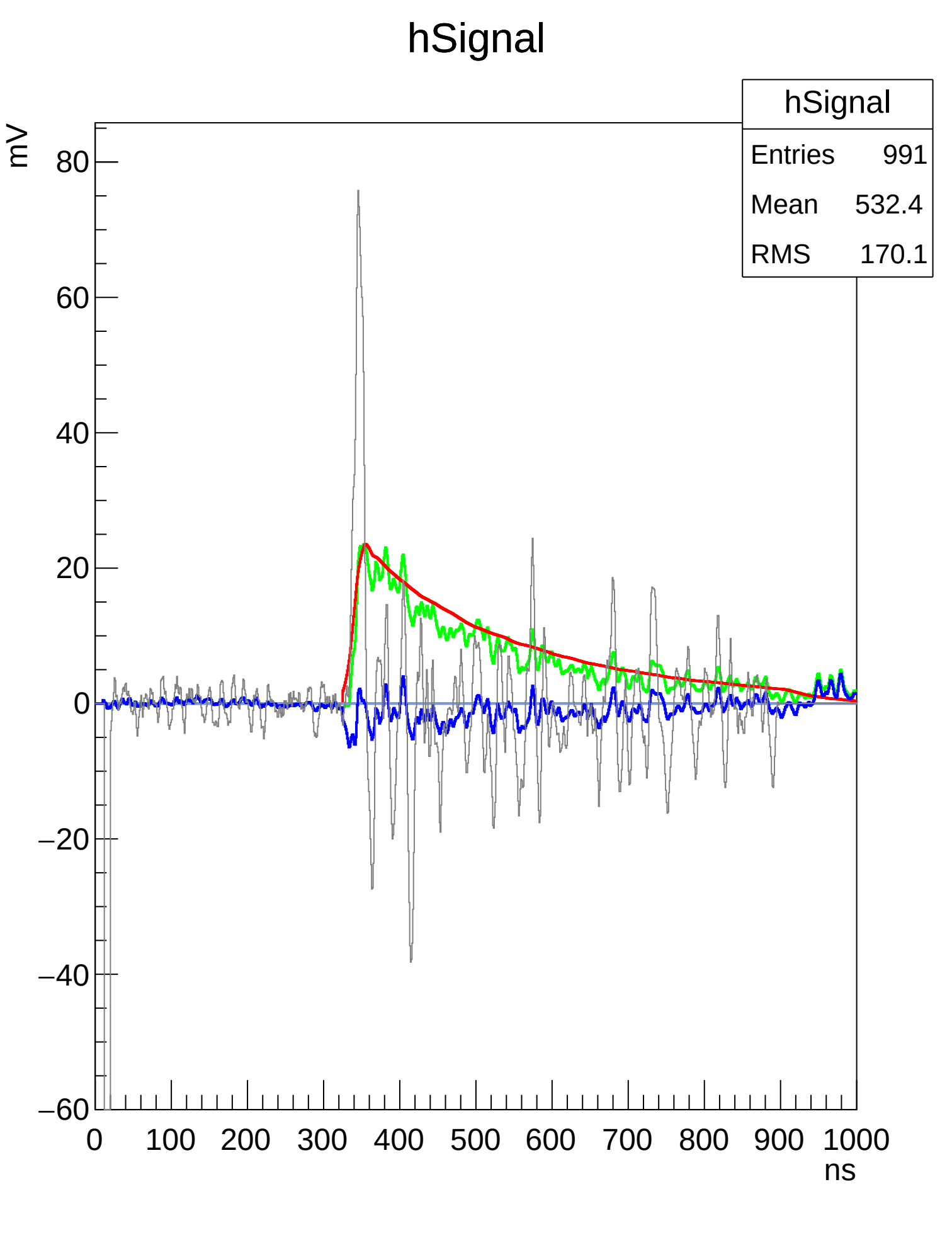
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.4
RMS 170.1
mV
80
60
40
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−20
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0
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200
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400
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800
900
1000
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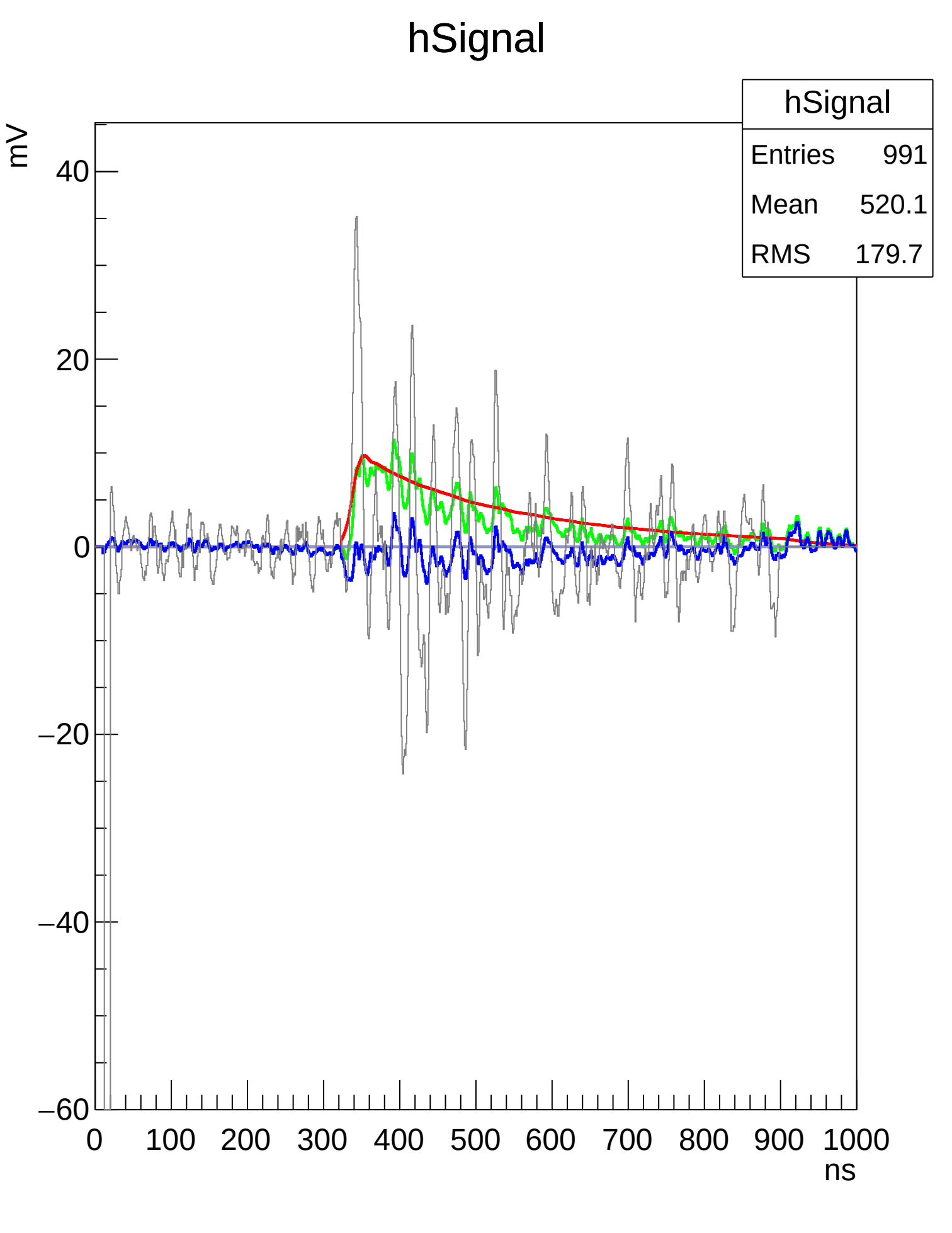
hSignal
hSignal
Entries 991
Mean 520.1
RMS 179.7
mV
40
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0
−20
−40
−60
0
100
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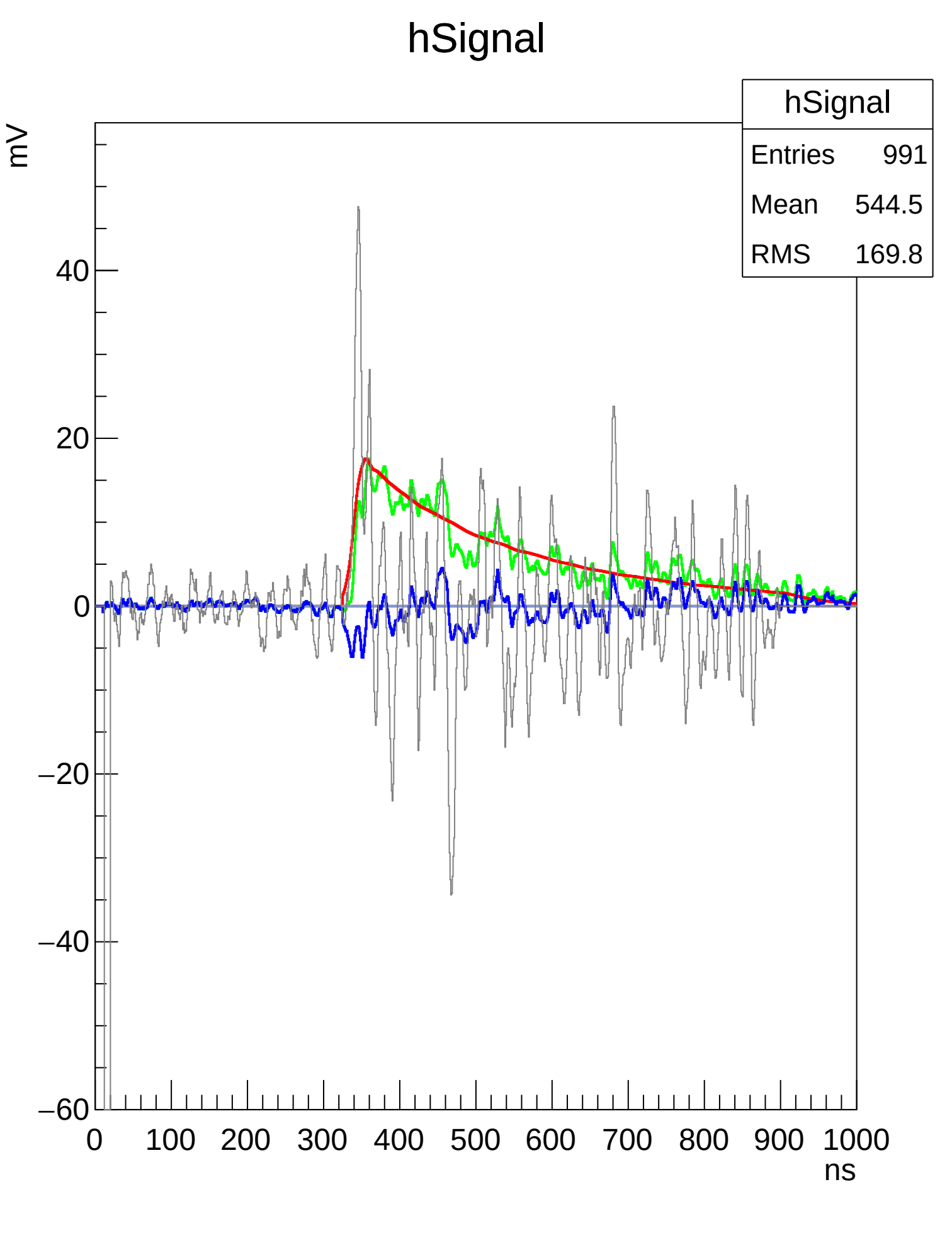
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.5
RMS 169.8
mV
40
20
0
−20
−40
−60
0
100
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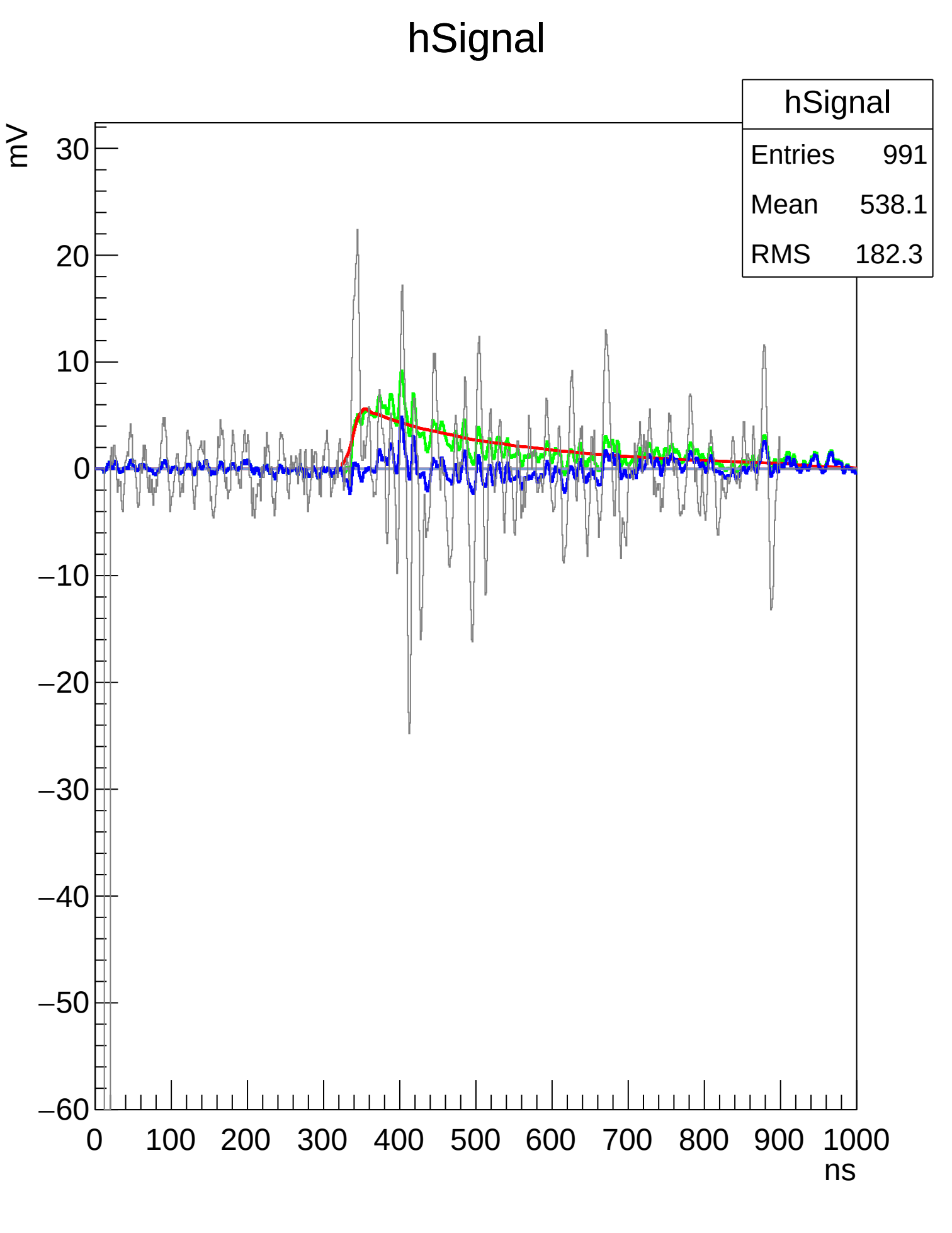
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 182.3
mV
30
20
10
0
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−50
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0
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400
500
600
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800
900
1000
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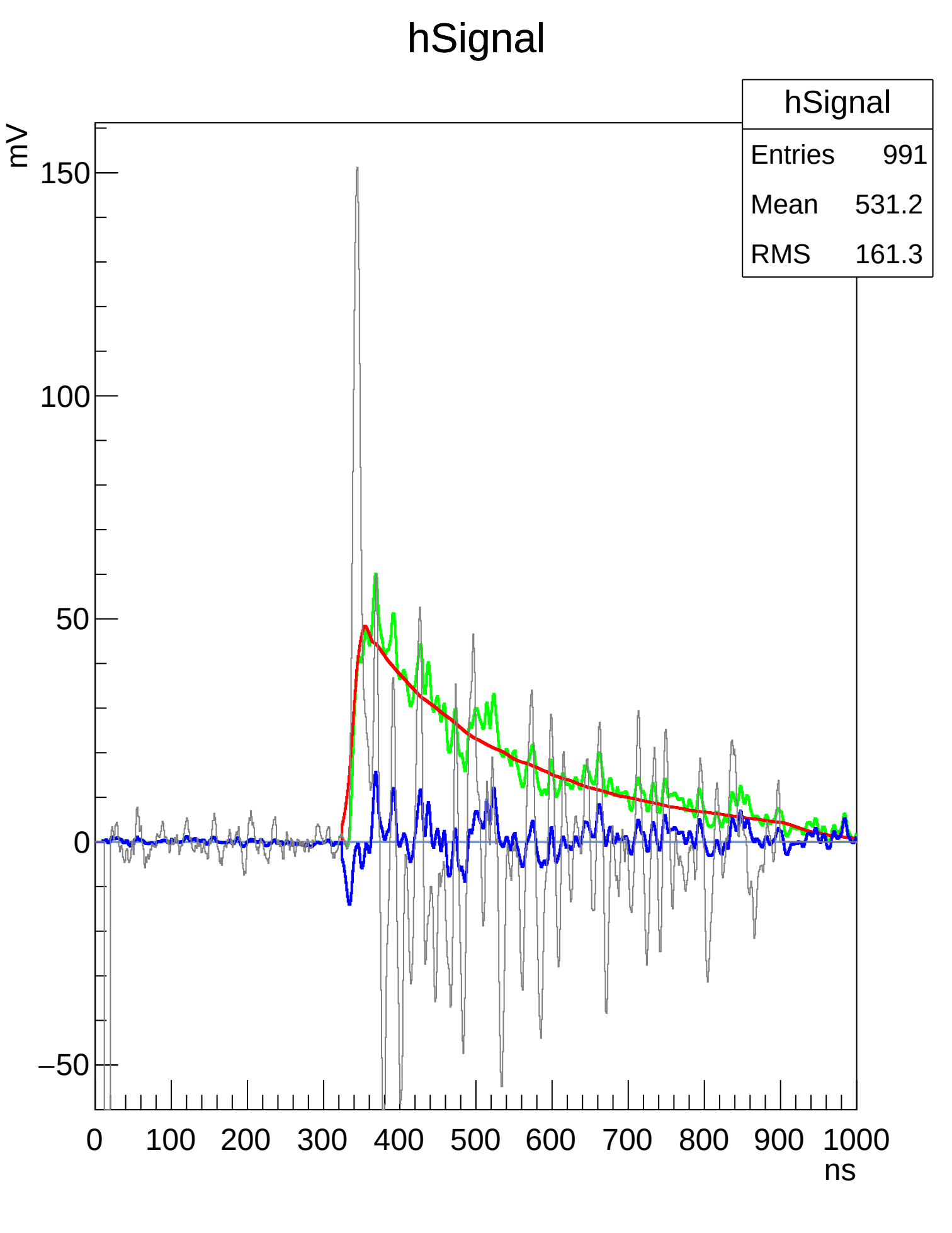
hSignal
hSignal
Entries 991
Mean 531.2
RMS 161.3
mV
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100
50
0
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0
100
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300
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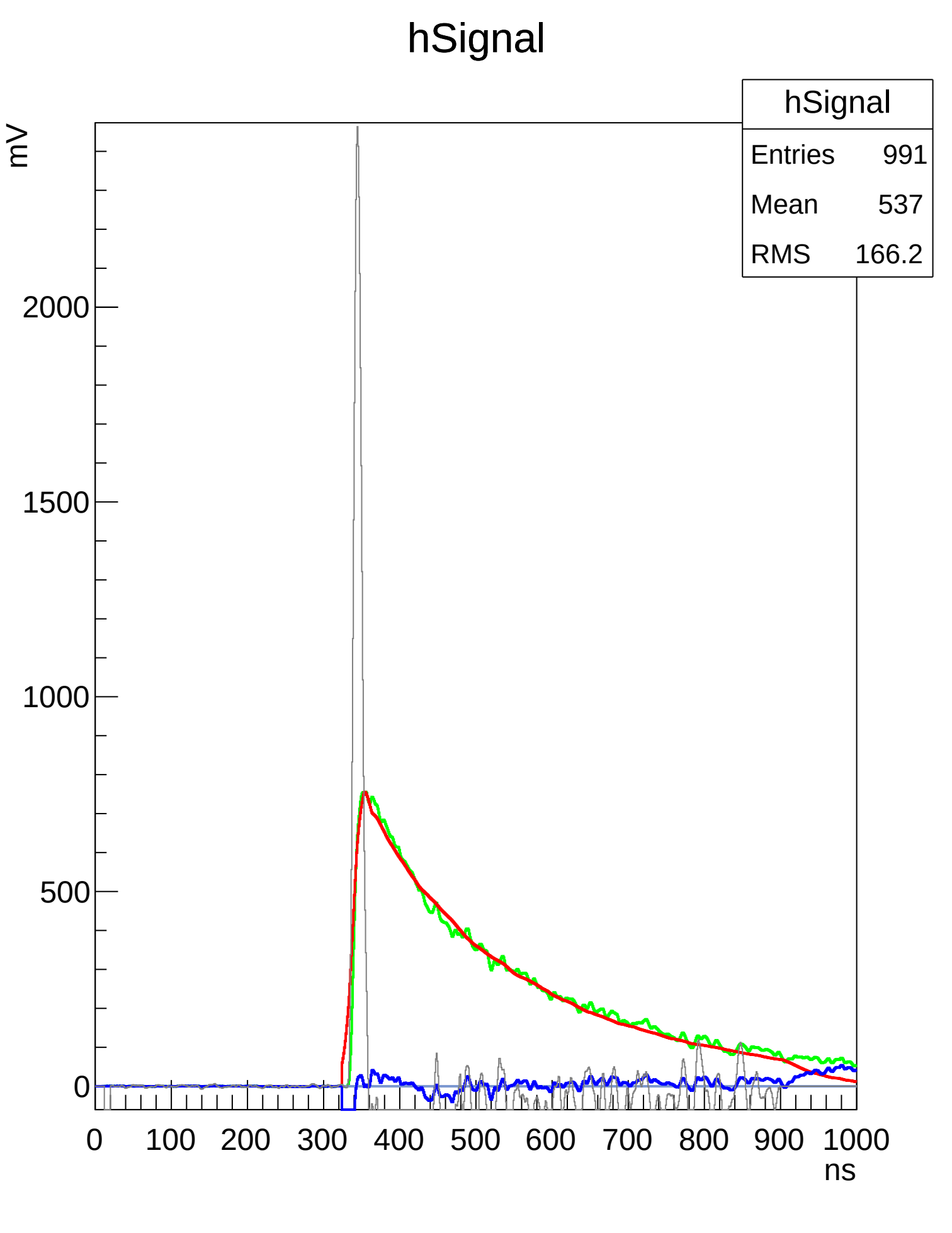
600
700
800
900
1000
ns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hSignal
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Mean 537
RMS 166.2
mV
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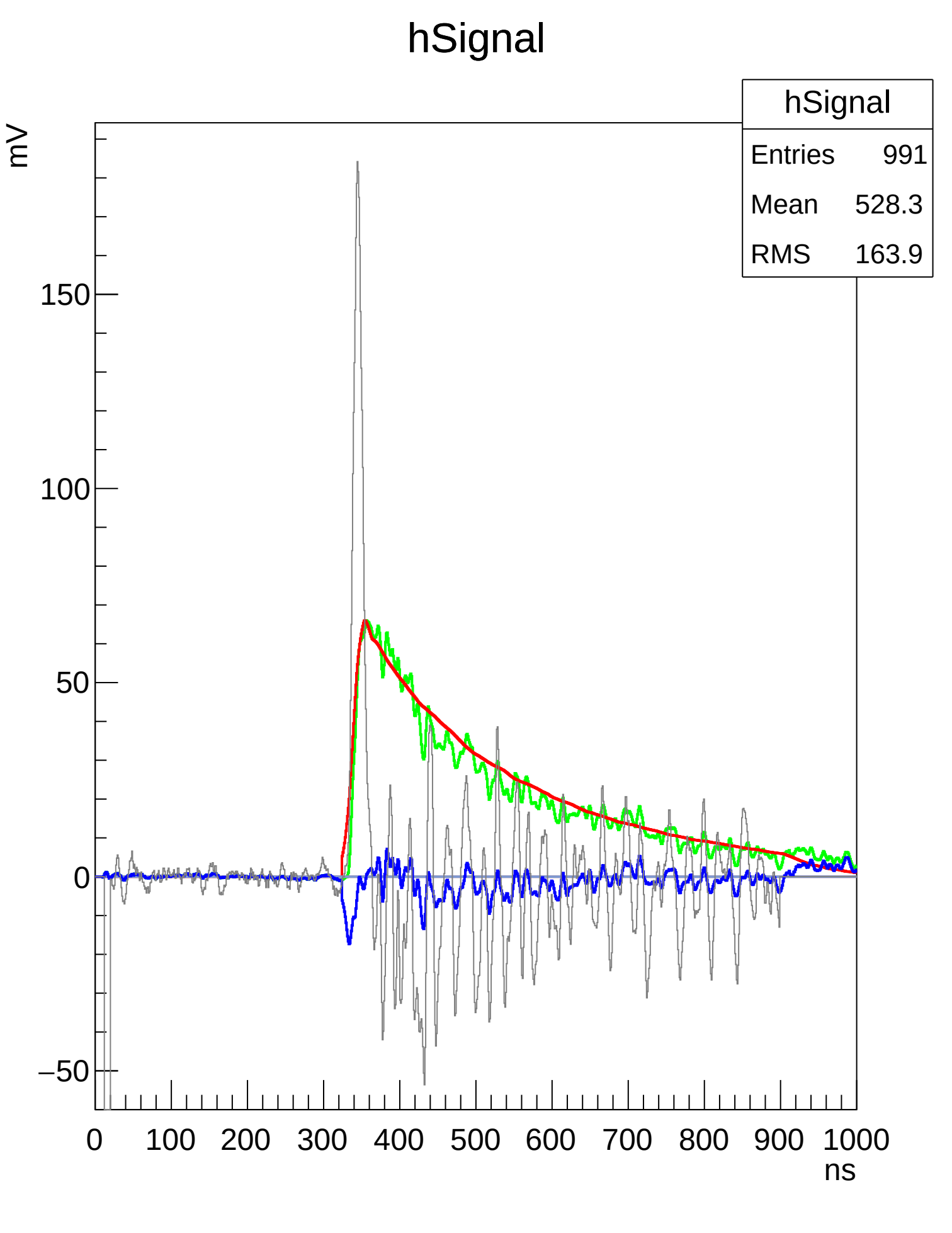
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 528.3
RMS 163.9
mV
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0
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0
100
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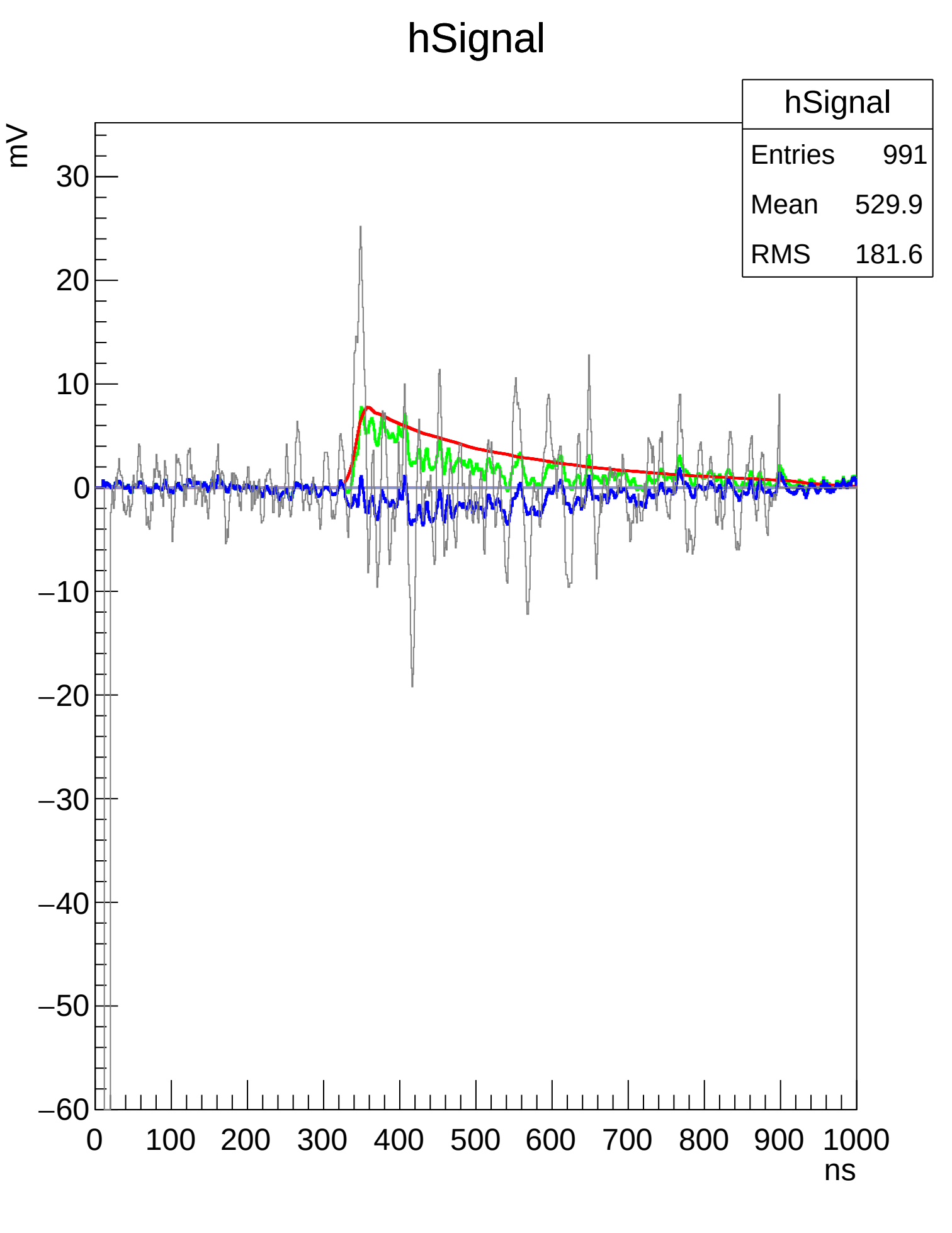
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.9
RMS 181.6
mV
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0
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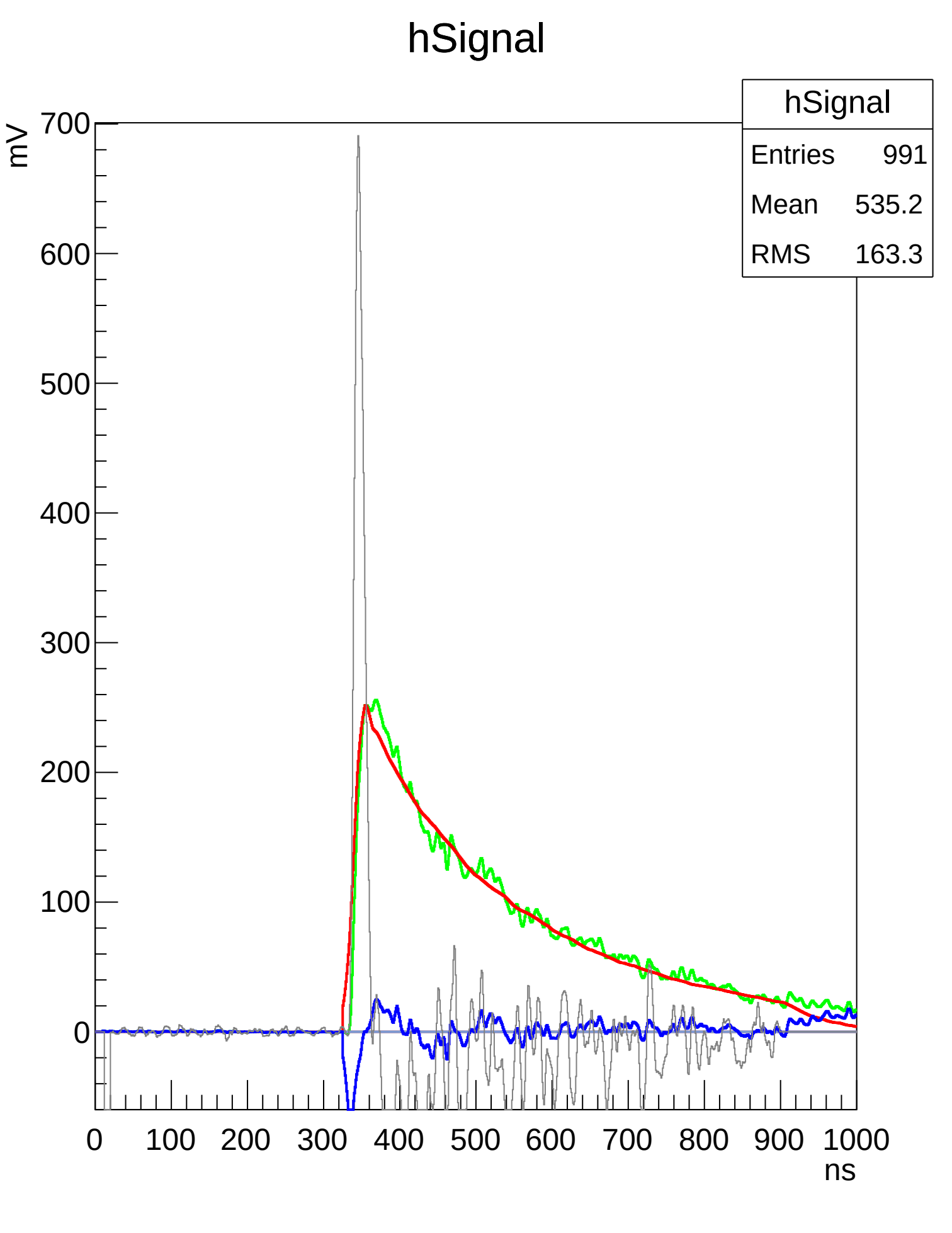
hSignal
hSignal
Entries 991
Mean 535.2
RMS 163.3
mV
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300
200
100
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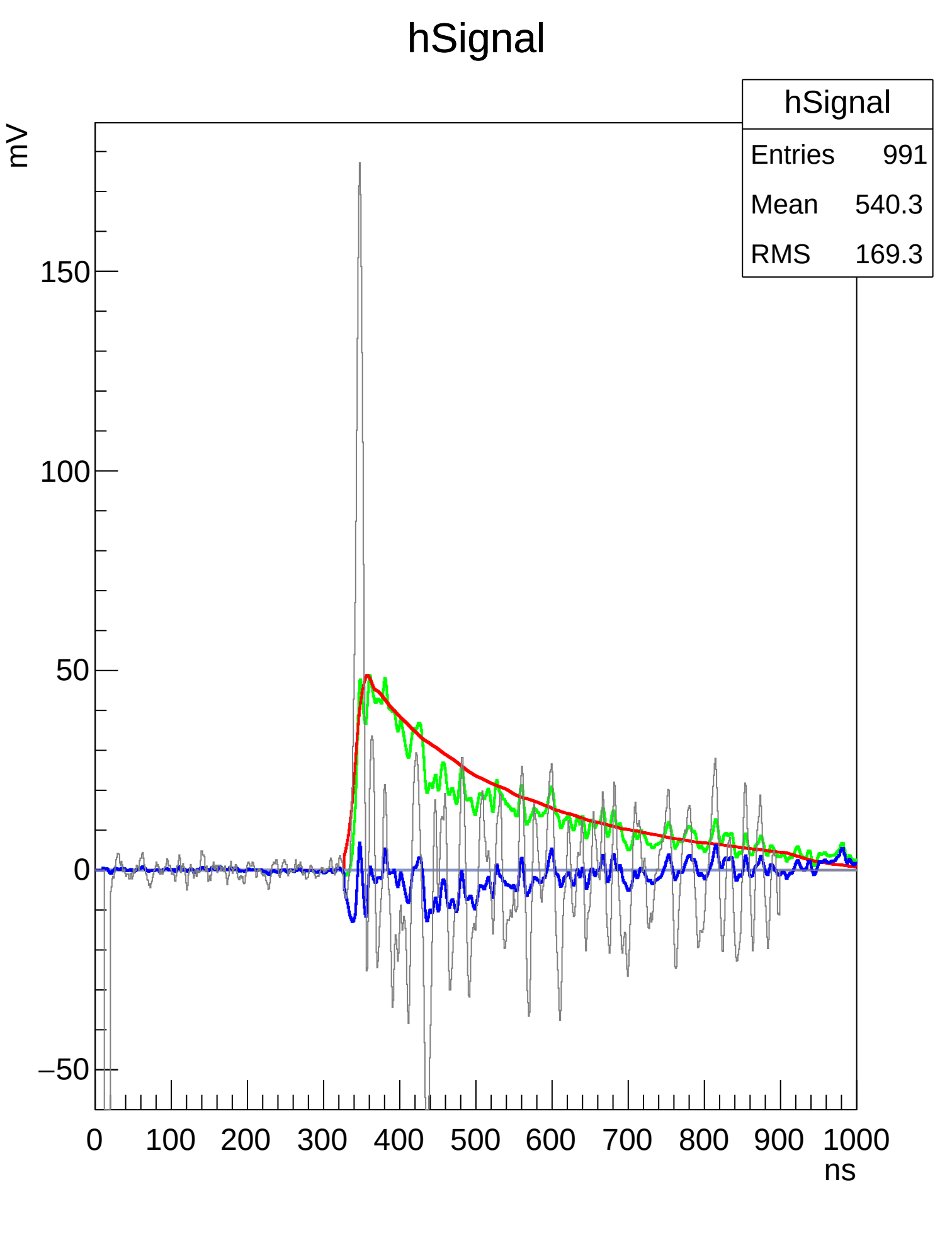
hSignal
hSignal
Entries 991
Mean 540.3
RMS 169.3
mV
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100
50
0
−50
0
100
200
300
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600
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800
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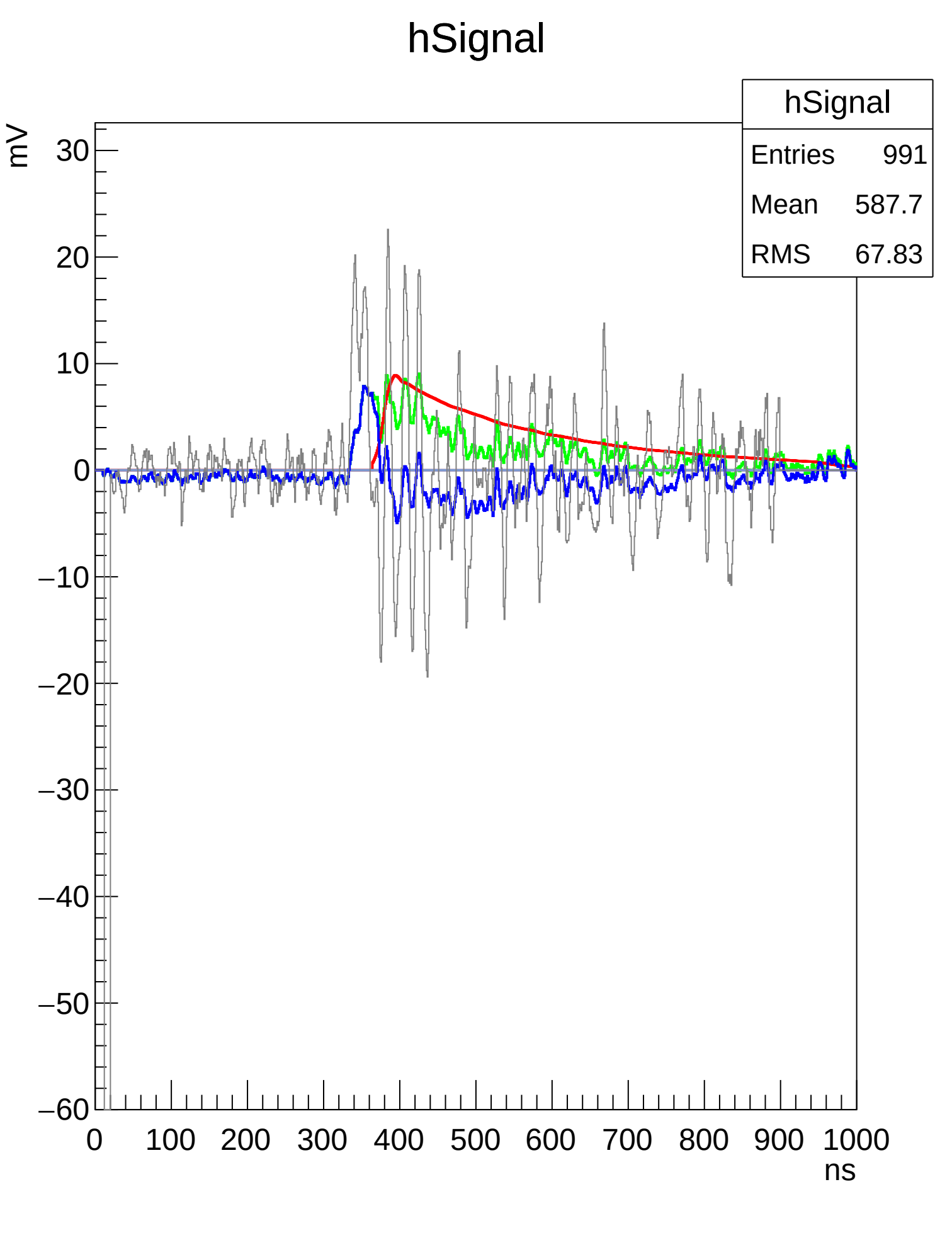
1000
ns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hSignal
Entries 991
Mean 587.7
RMS 67.83
mV
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−50
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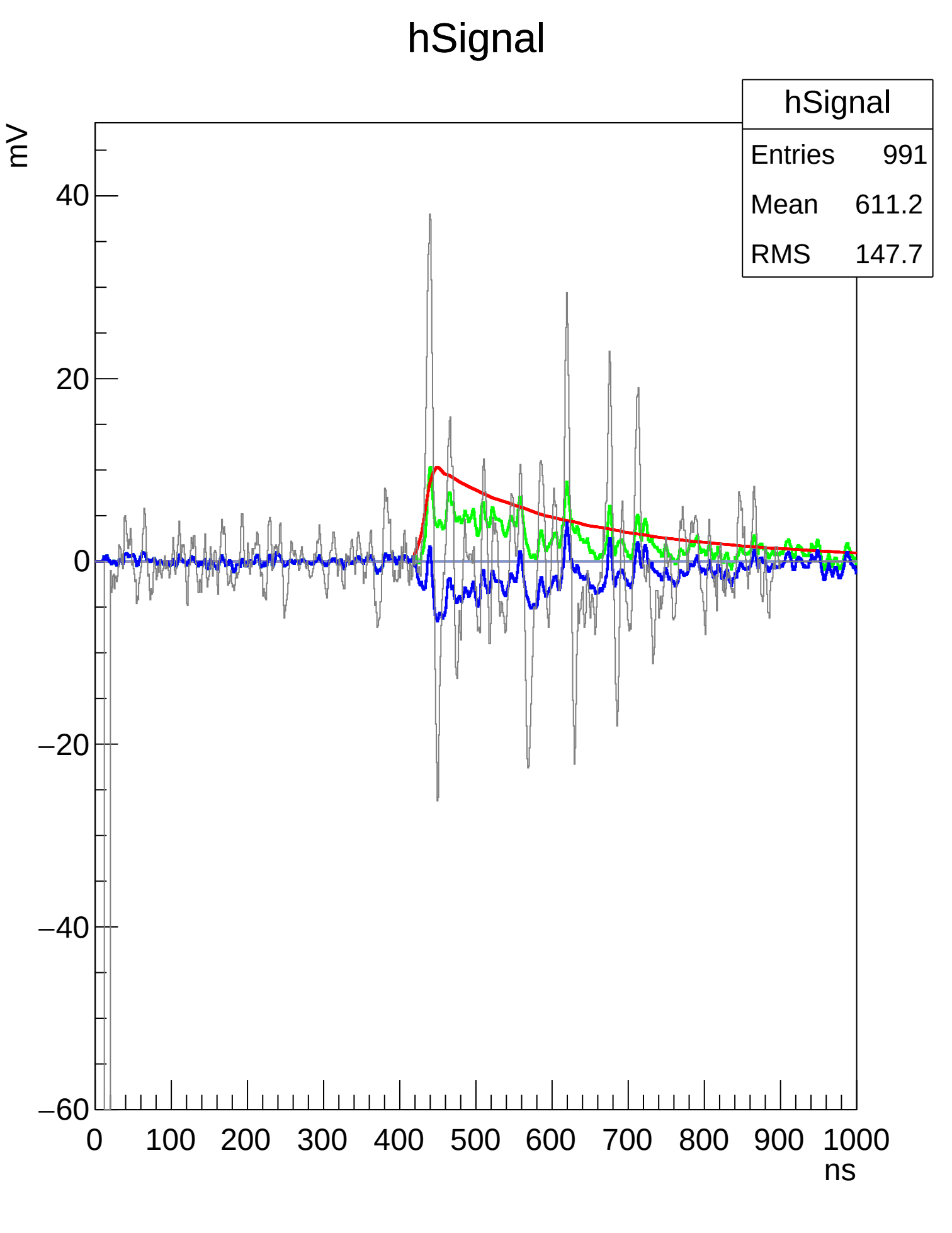
hSignal
hSignal
Entries 991
Mean 611.2
RMS 147.7
mV
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−20
−40
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0
100
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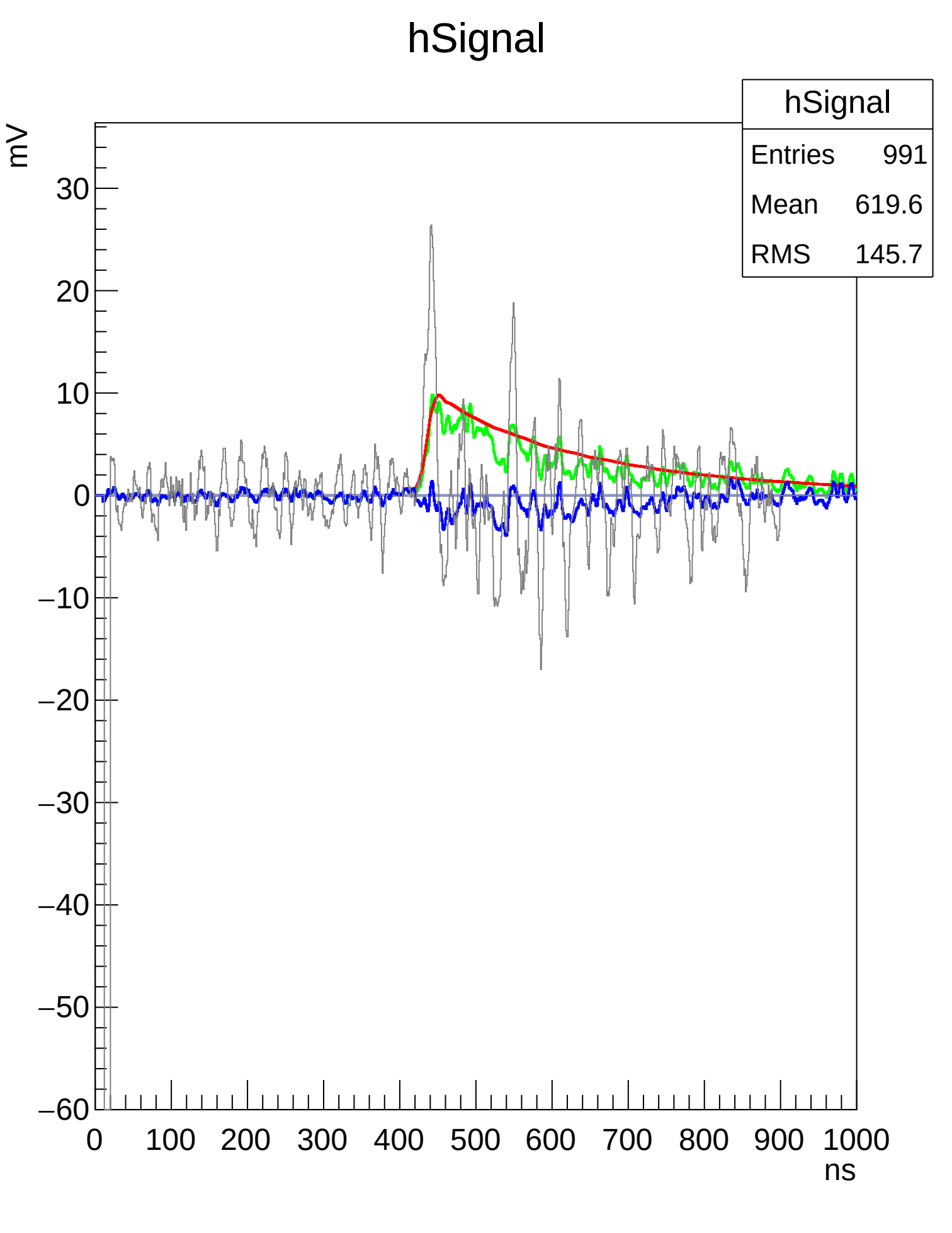
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.6
RMS 145.7
mV
30
20
10
0
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0
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800
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1000
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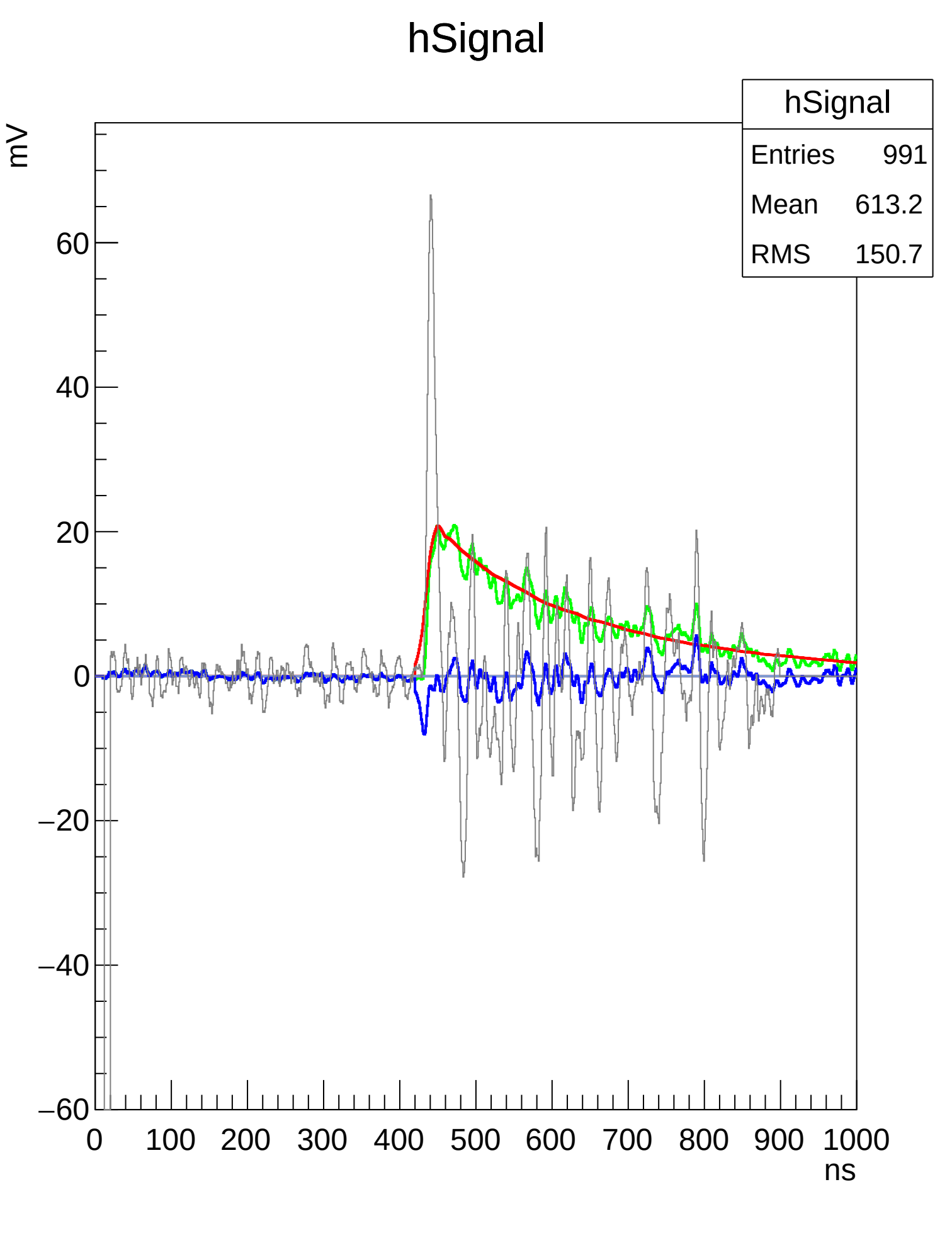
hSignal
hSignal
Entries 991
Mean 613.2
RMS 150.7
mV
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0
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600
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800
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1000
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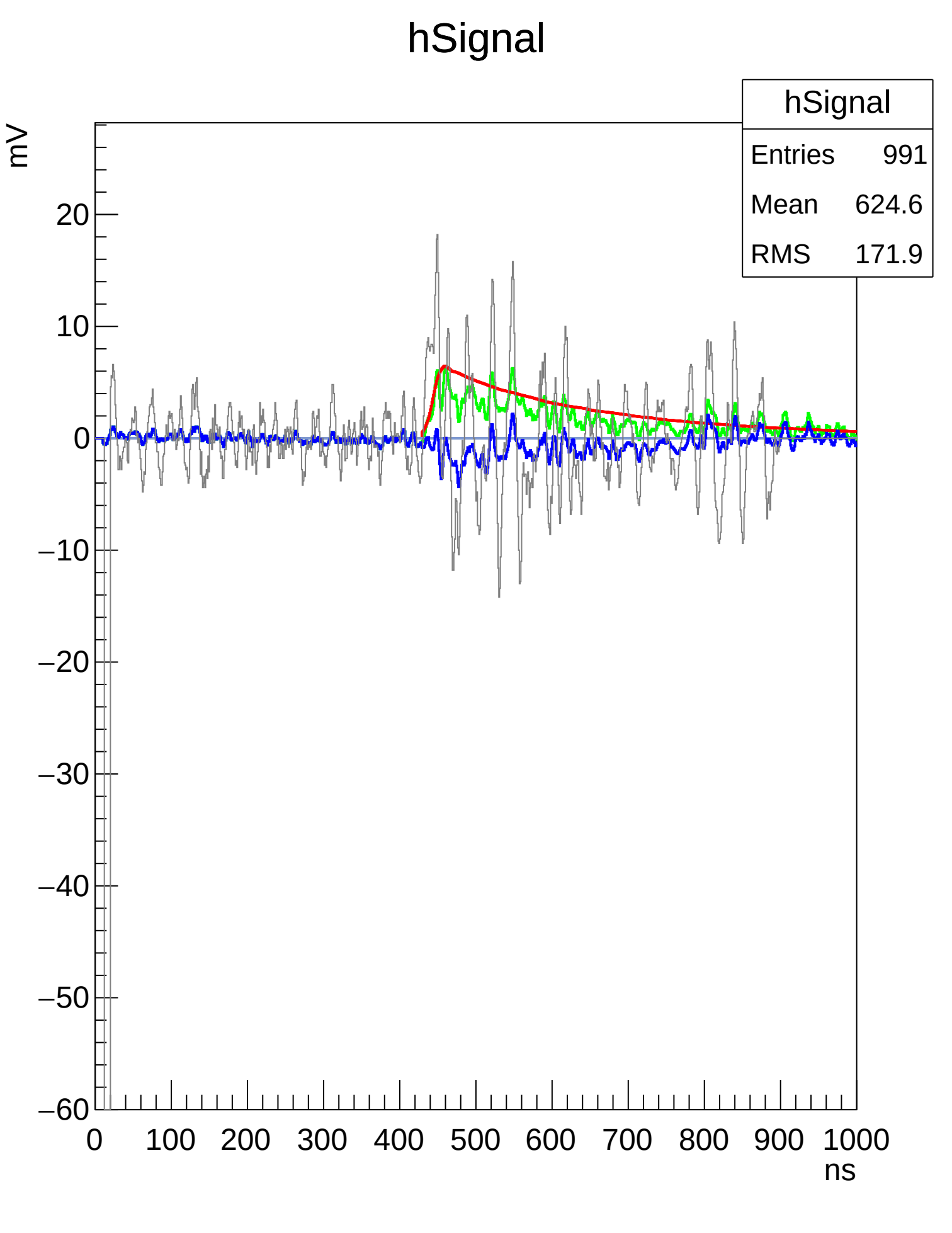
hSignal
hSignal
Entries 991
Mean 624.6
RMS 171.9
mV
20
10
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−50
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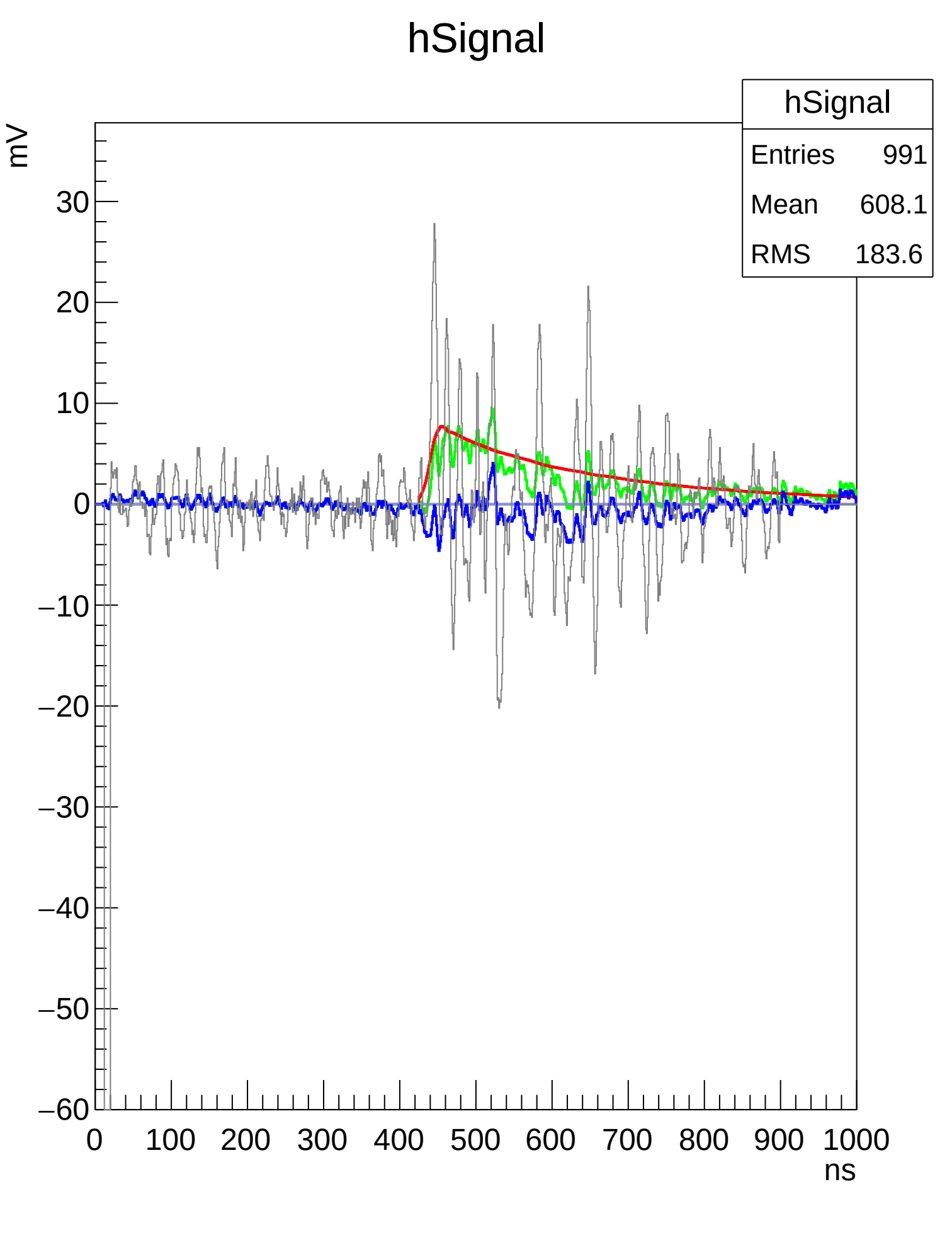
1000
ns


hSignal
hSignal
Entries 991
Mean 608.1
RMS 183.6
mV
30
20
10
0
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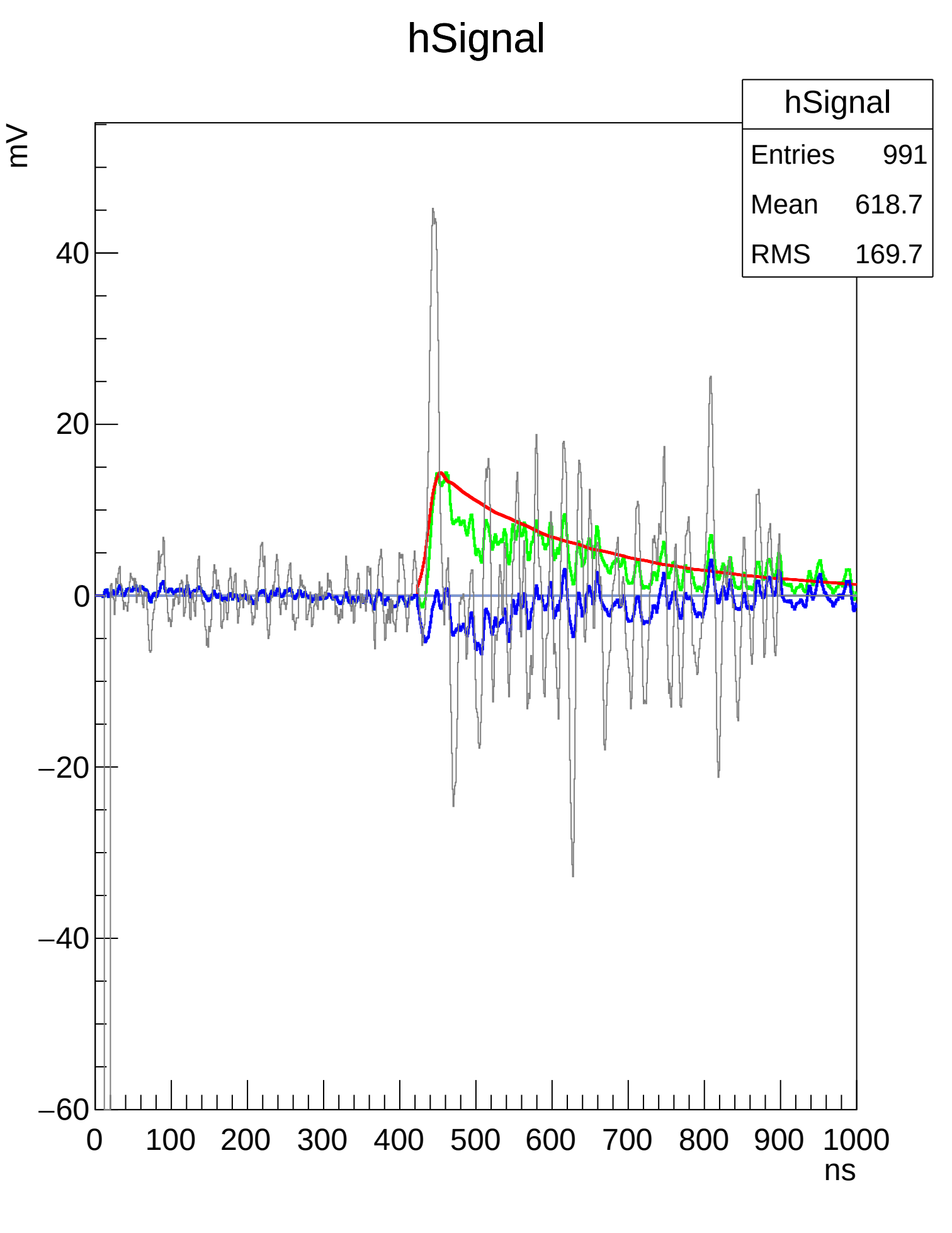
1000
ns


hSignal
hSignal
Entries 991
Mean 618.7
RMS 169.7
mV
40
20
0
−20
−40
−60
0
100
200
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600
700
800
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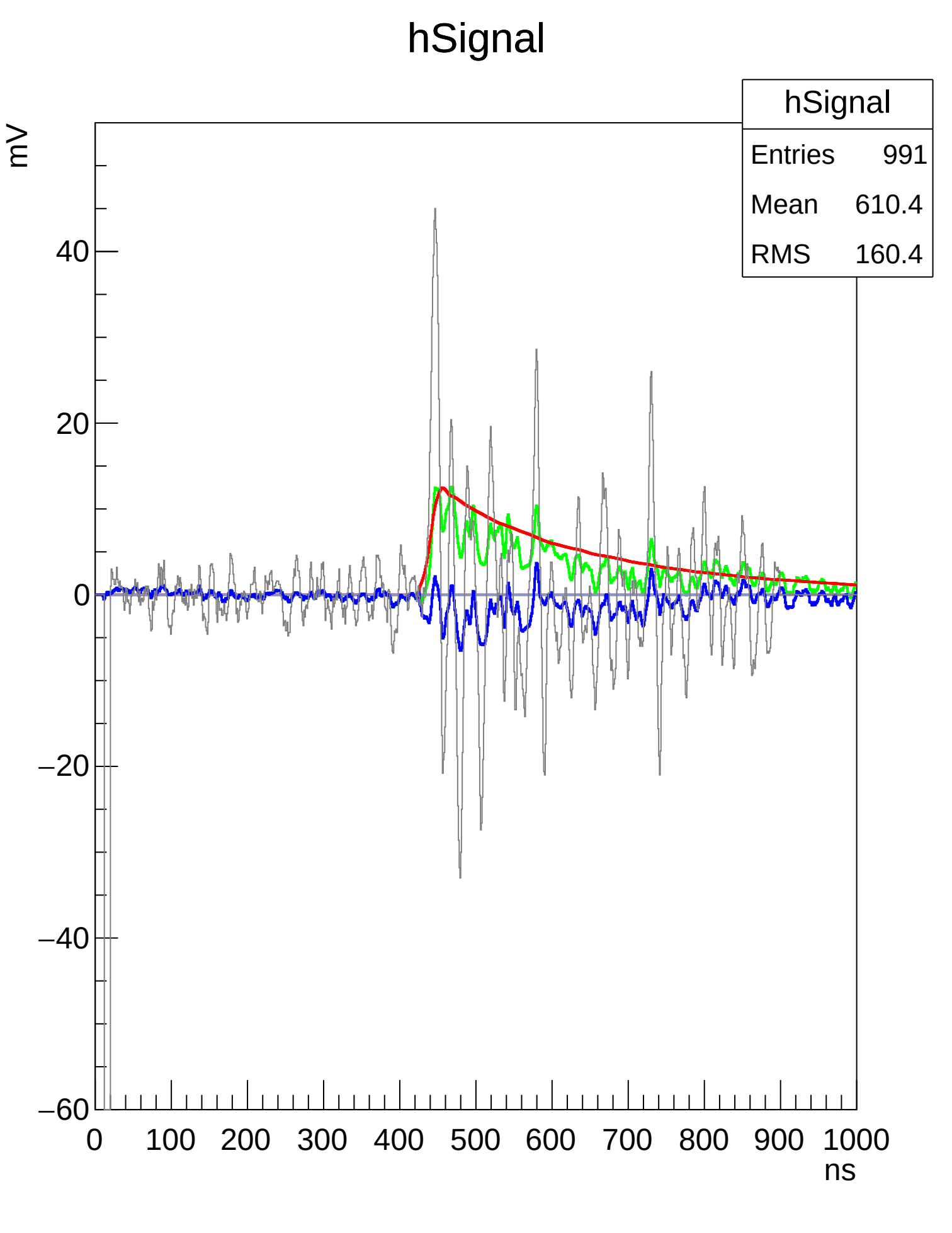
1000
ns


hSignal
hSignal
Entries 991
Mean 610.4
RMS 160.4
mV
40
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−20
−40
−60
0
100
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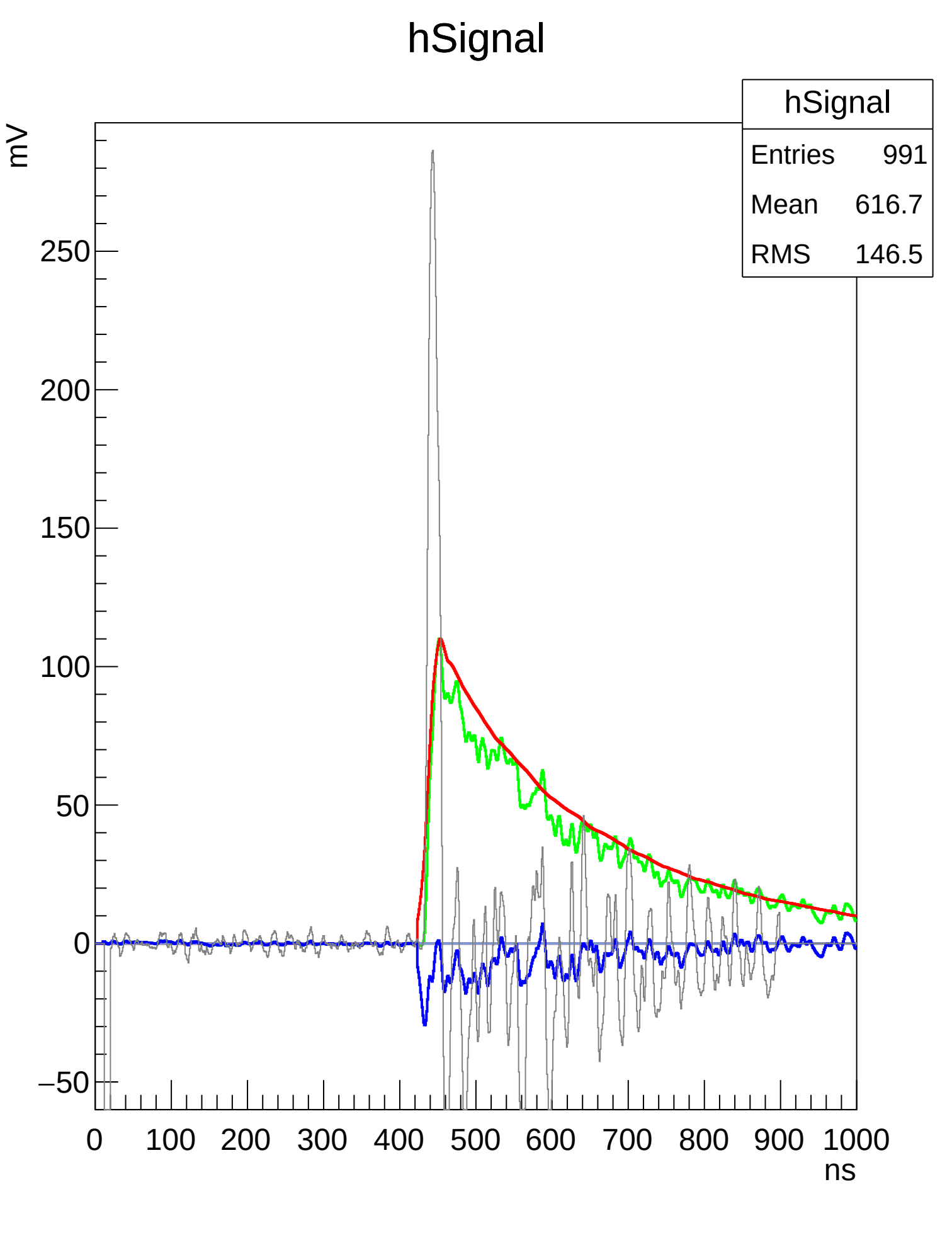
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.7
RMS 146.5
mV
250
200
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100
50
0
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0
100
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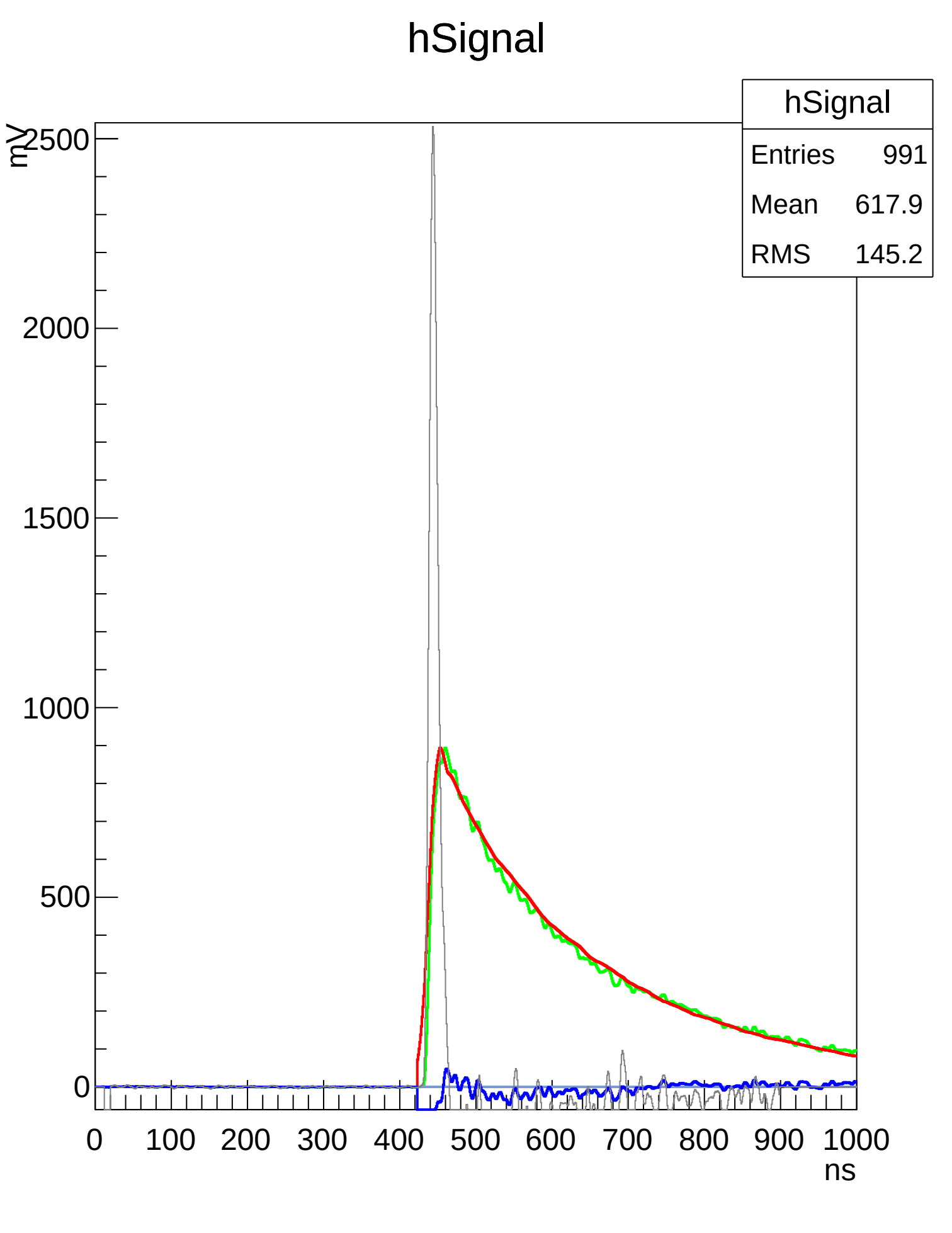
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.9
RMS 145.2
mV
2500
2000
1500
1000
500
0
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100
200
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400
500
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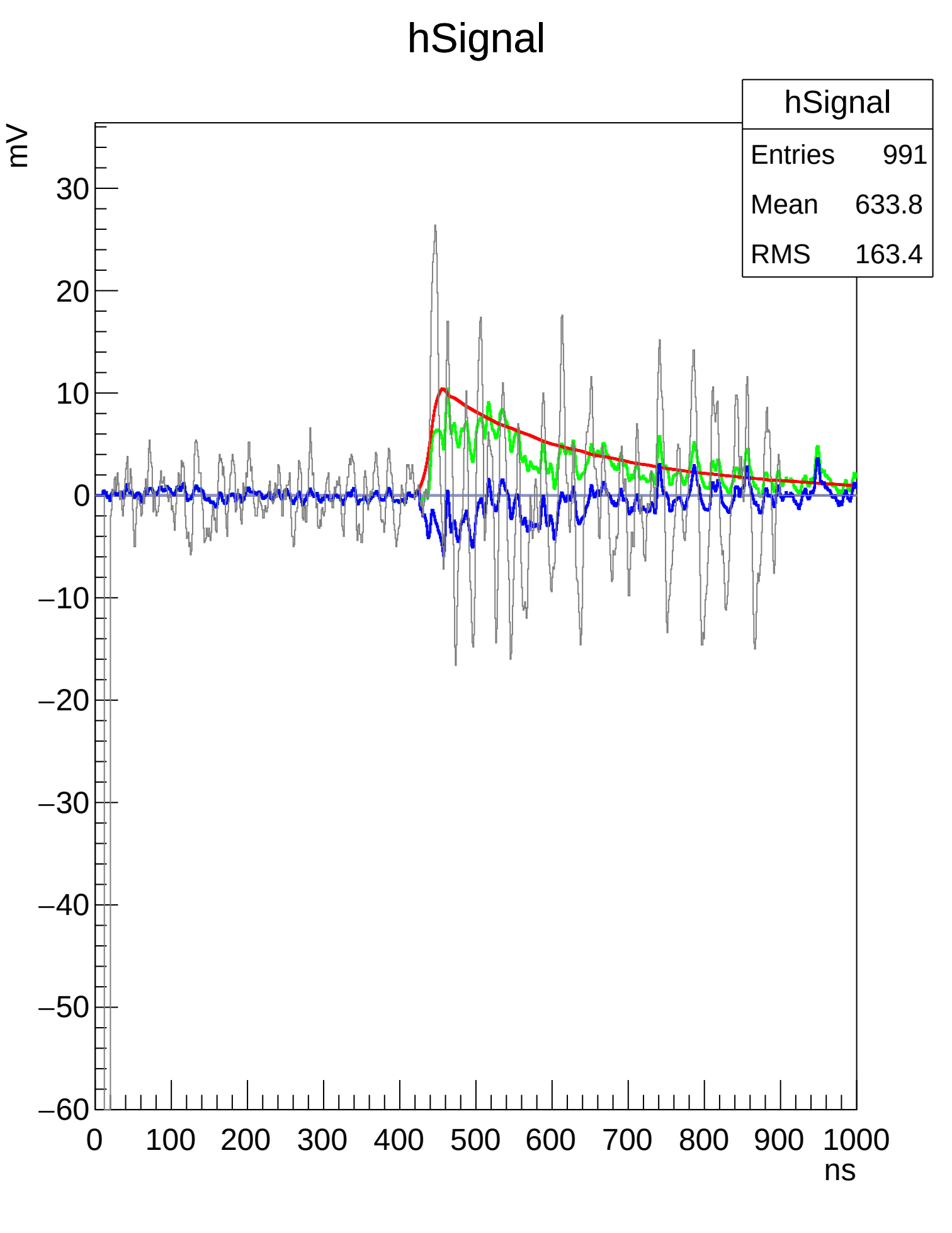
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 633.8
RMS 163.4
mV
30
20
10
0
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−20
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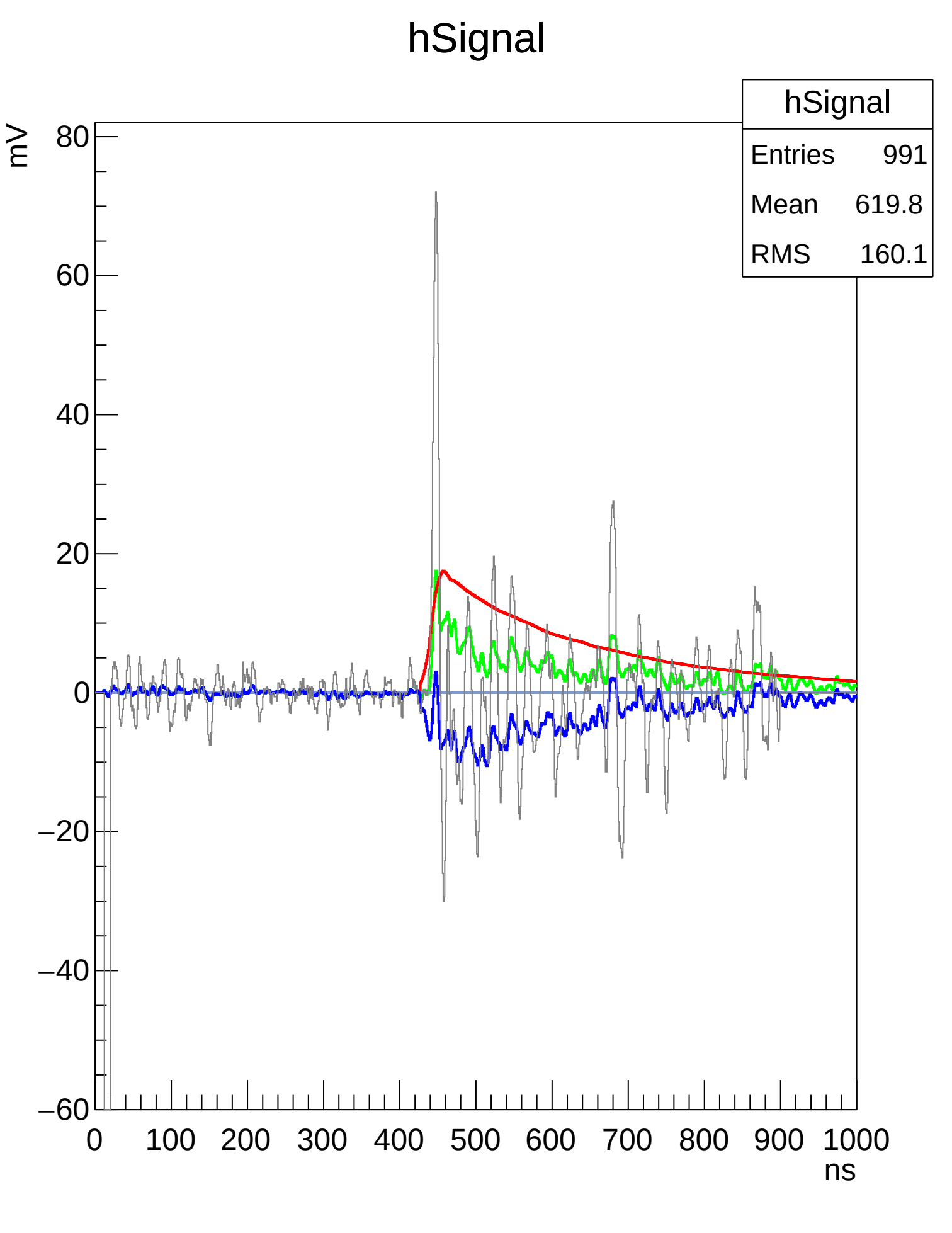
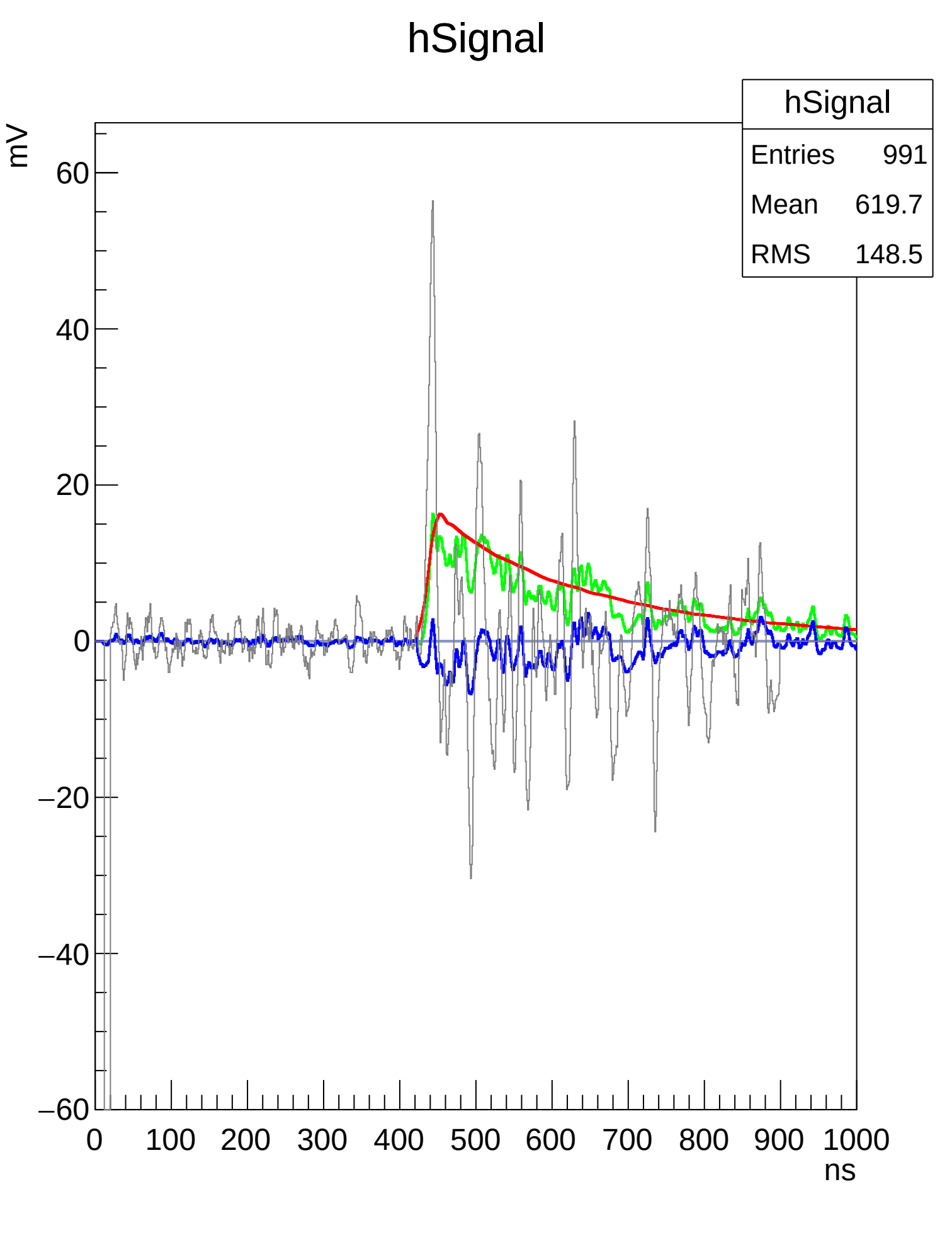
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.8
RMS 160.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.7
RMS 148.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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800
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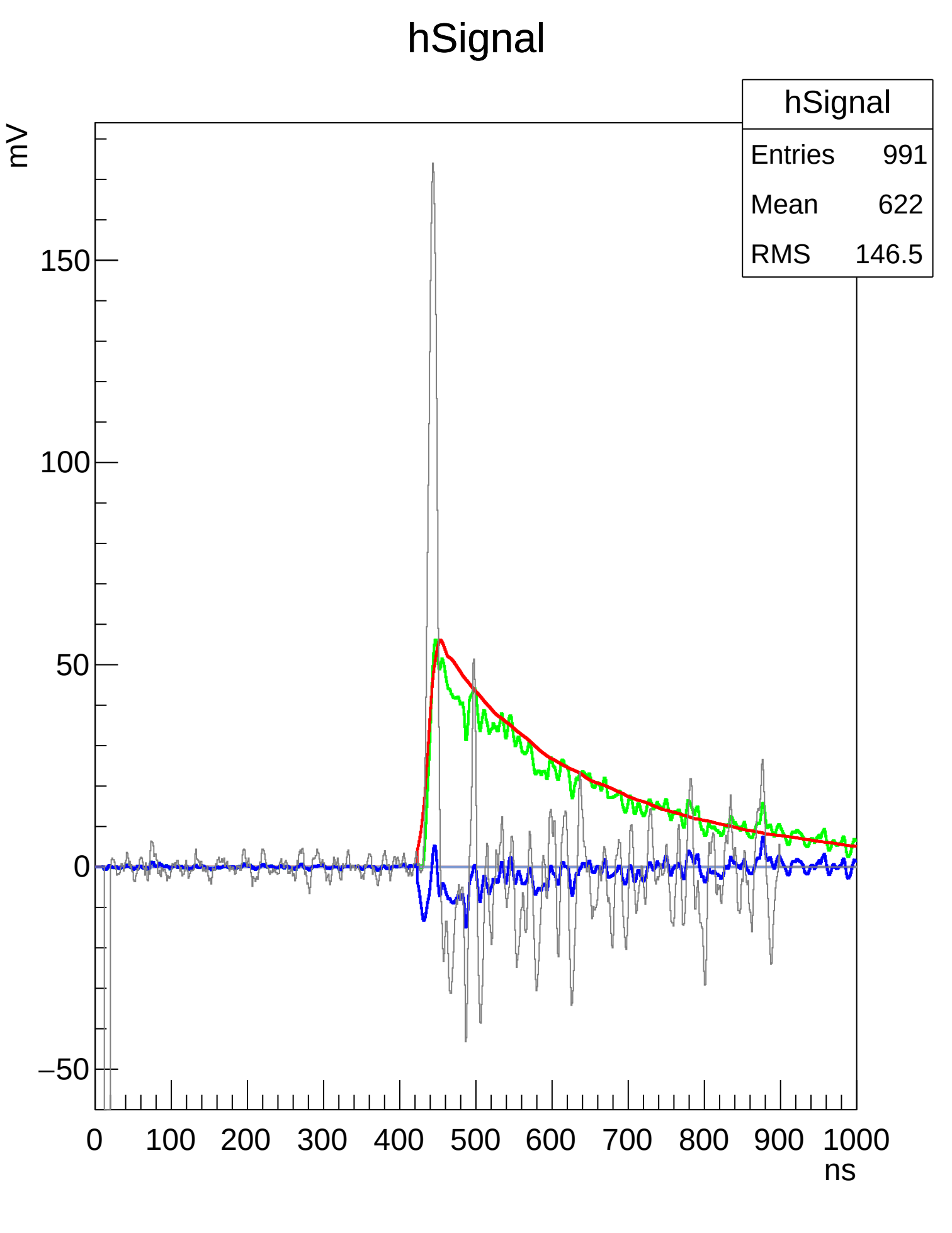
1000
ns


hSignal
hSignal
Entries 991
Mean 622
RMS 146.5
mV
150
100
50
0
−50
0
100
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800
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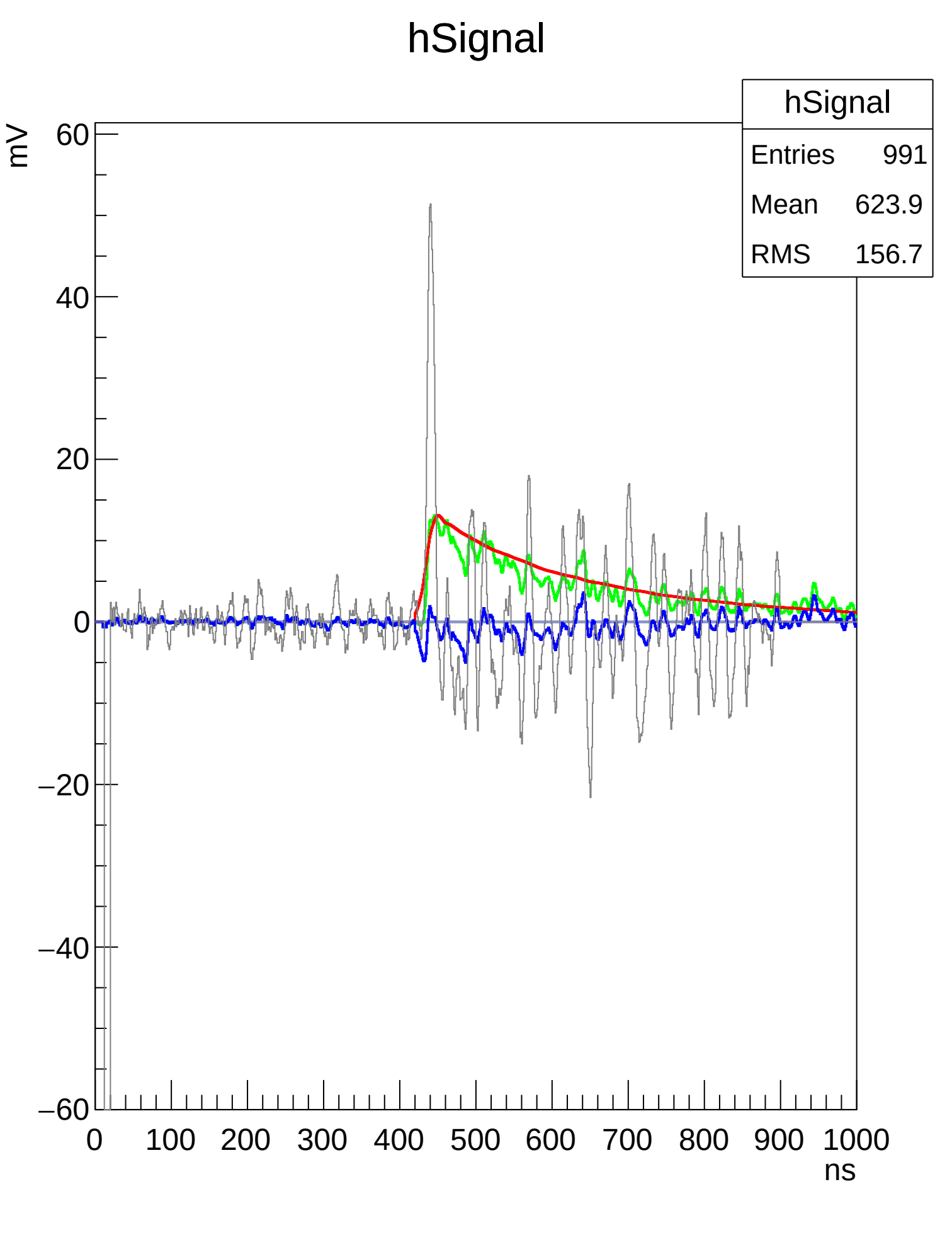
hSignal
hSignal
Entries 991
Mean 623.9
RMS 156.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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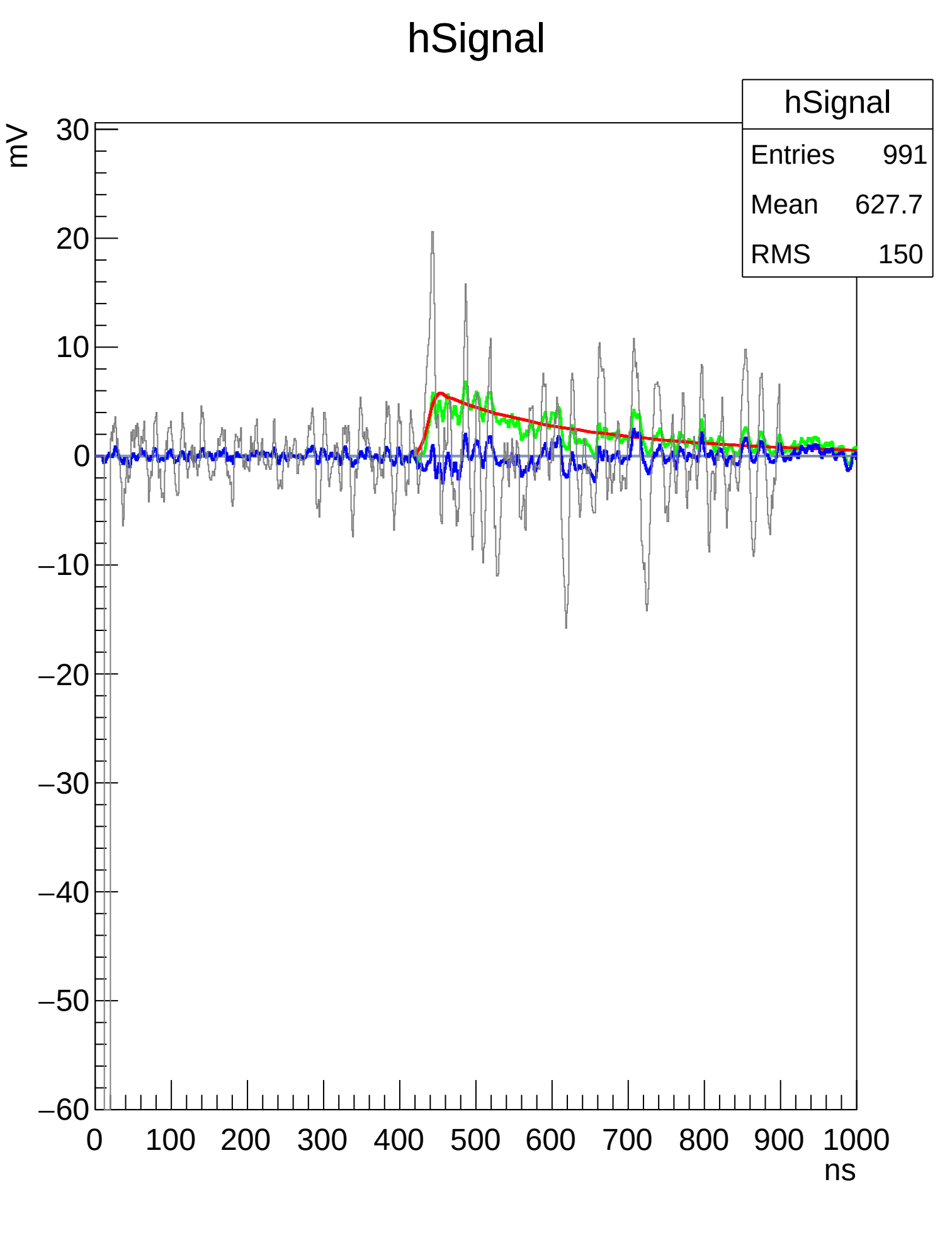
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.7
RMS 150
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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1000
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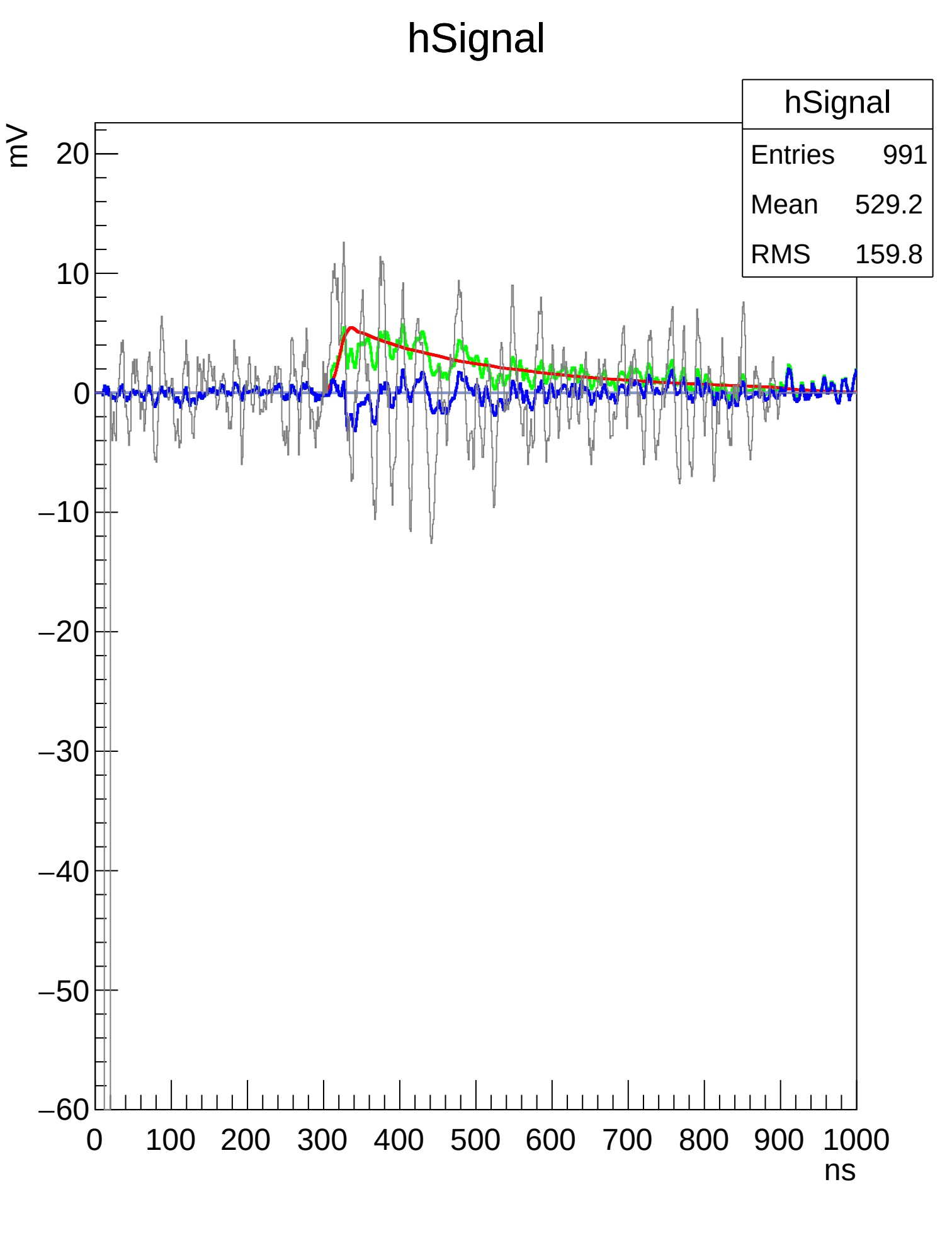
hSignal
hSignal
Entries 991
Mean 529.2
RMS 159.8
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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800
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1000
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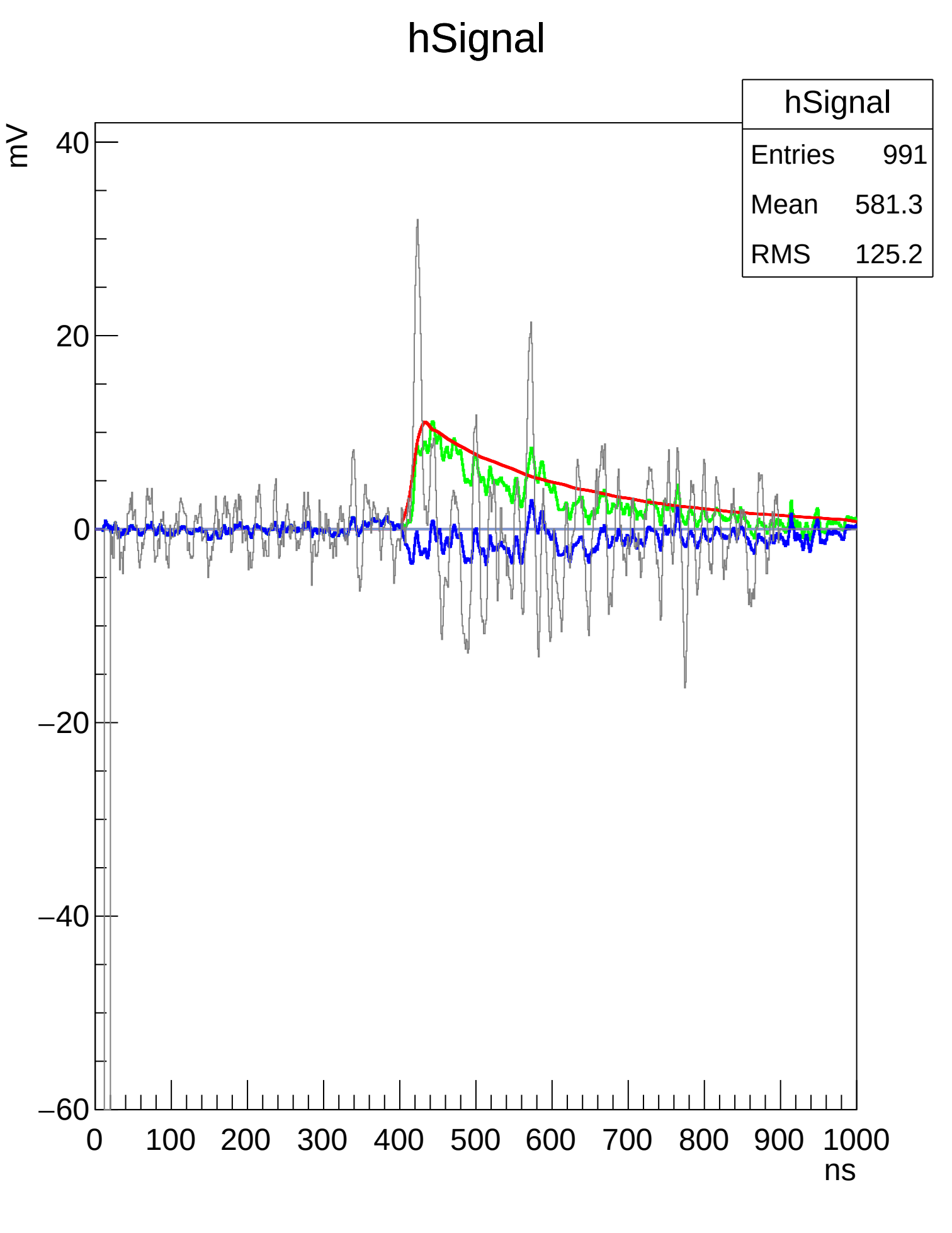
hSignal
hSignal
Entries 991
Mean 581.3
RMS 125.2
mV
40
20
0
−20
−40
−60
0
100
200
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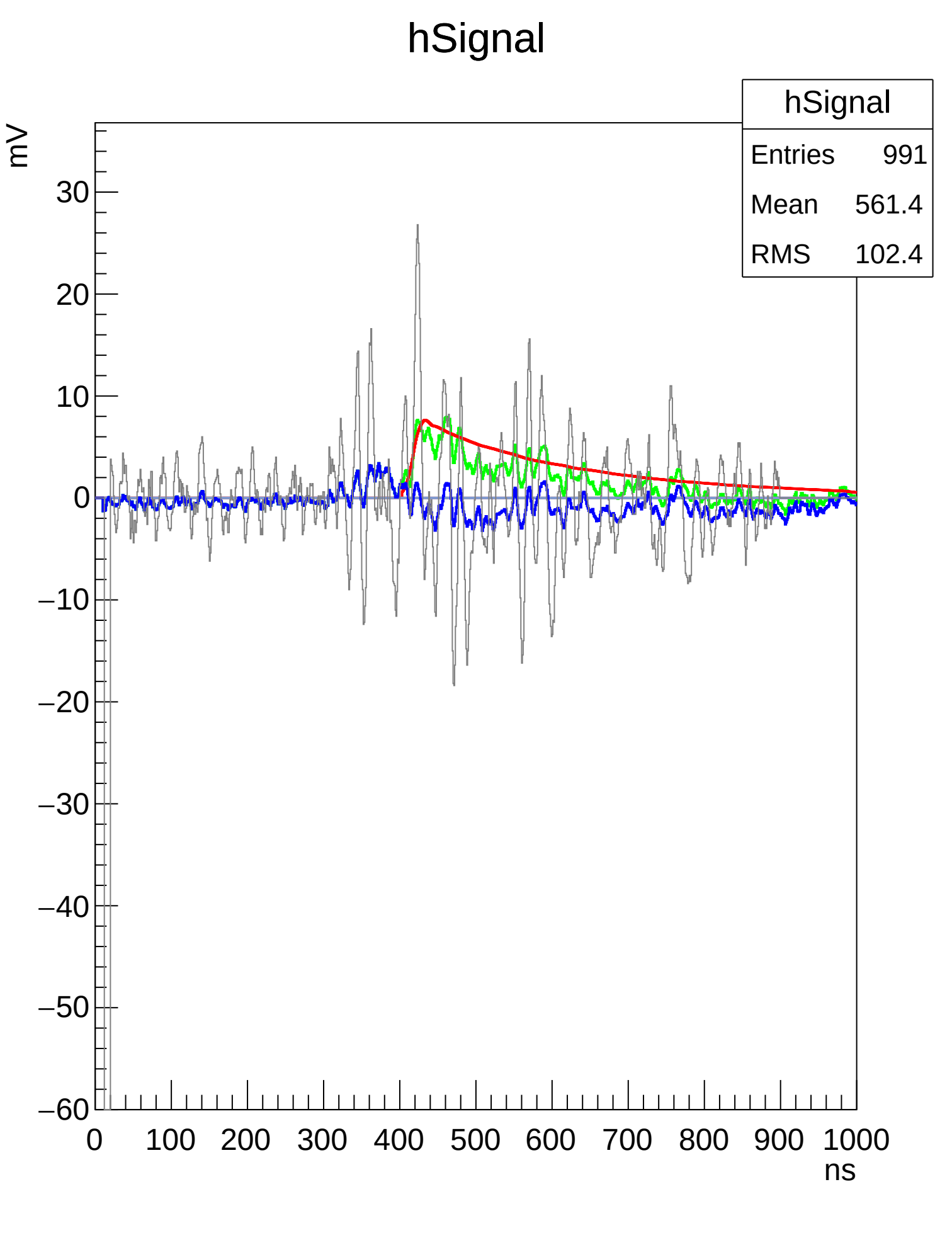
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.4
RMS 102.4
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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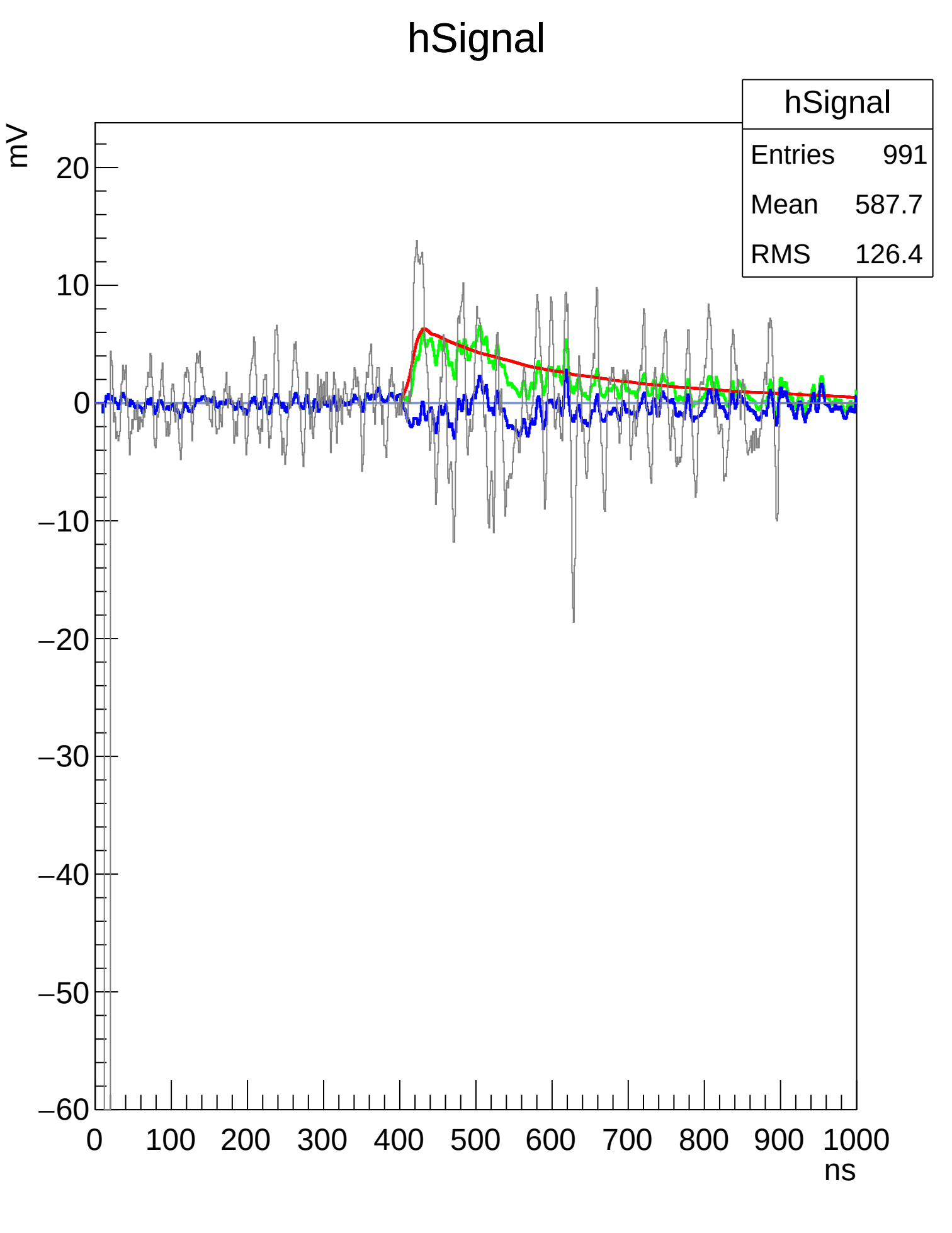
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.7
RMS 126.4
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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800
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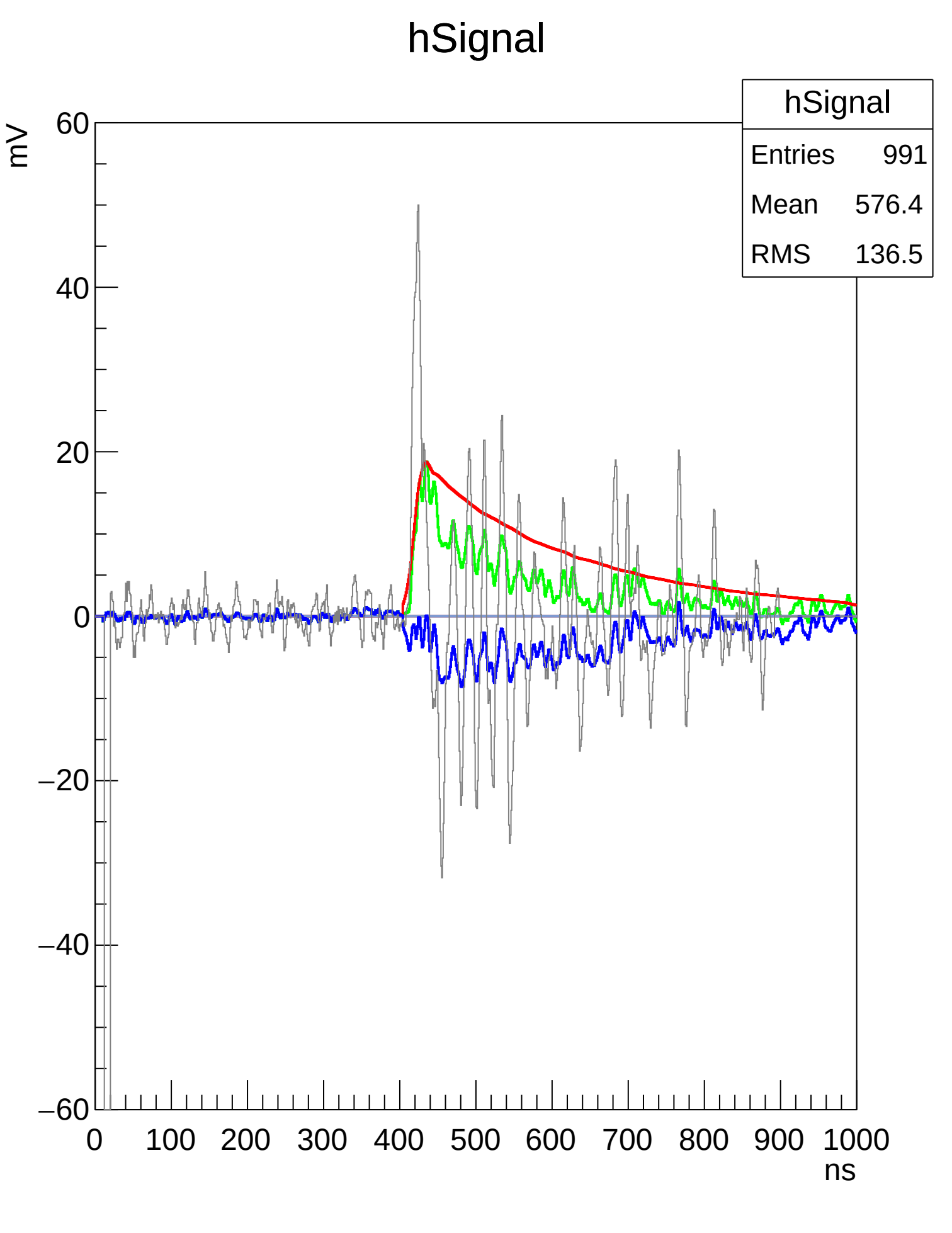
1000
ns


hSignal
hSignal
Entries 991
Mean 576.4
RMS 136.5
mV
60
40
20
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−20
−40
−60
0
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600
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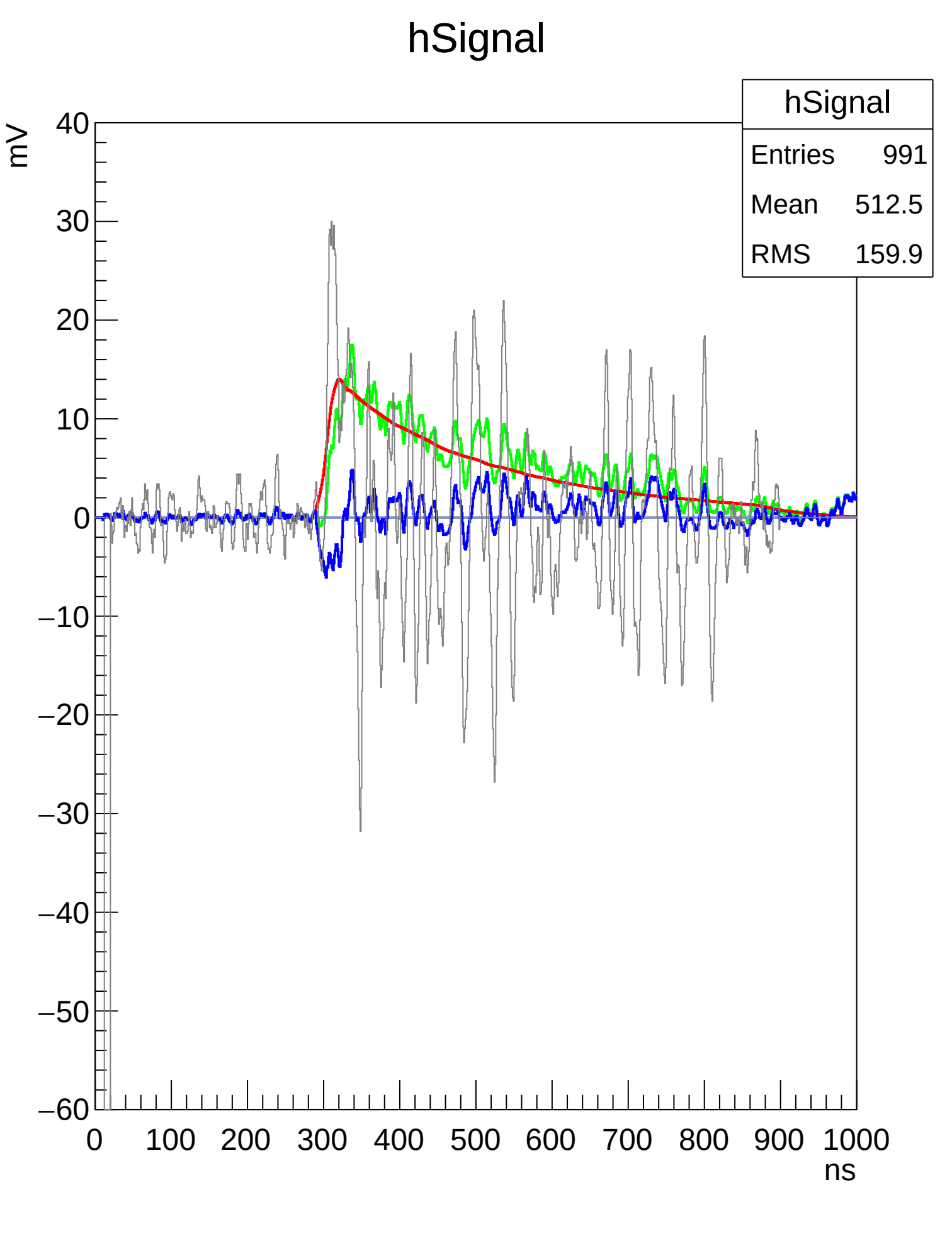
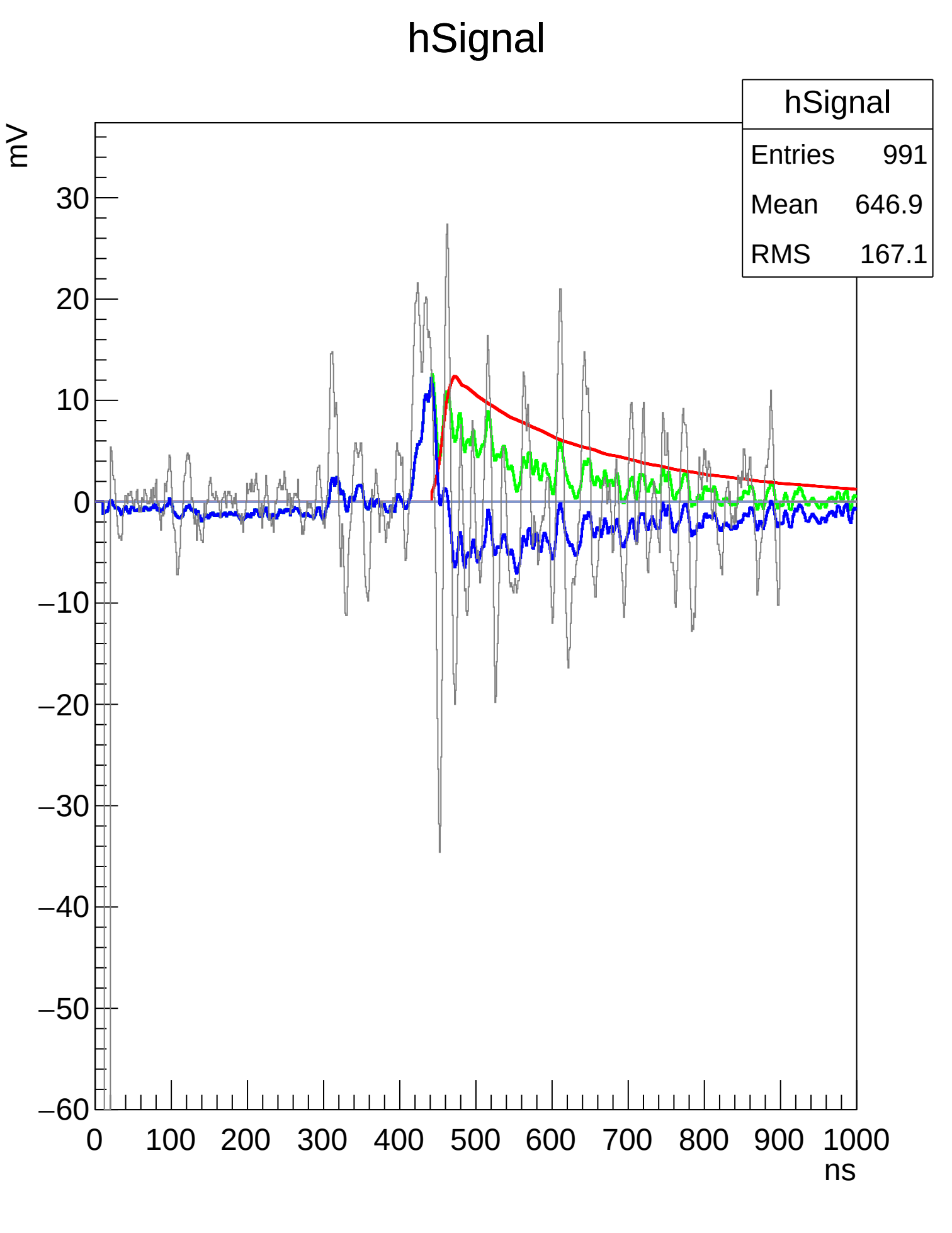
1000
ns


hSignal
hSignal
Entries 991
Mean 512.5
RMS 159.9
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 646.9
RMS 167.1
mV
30
20
10
0
−10
−20
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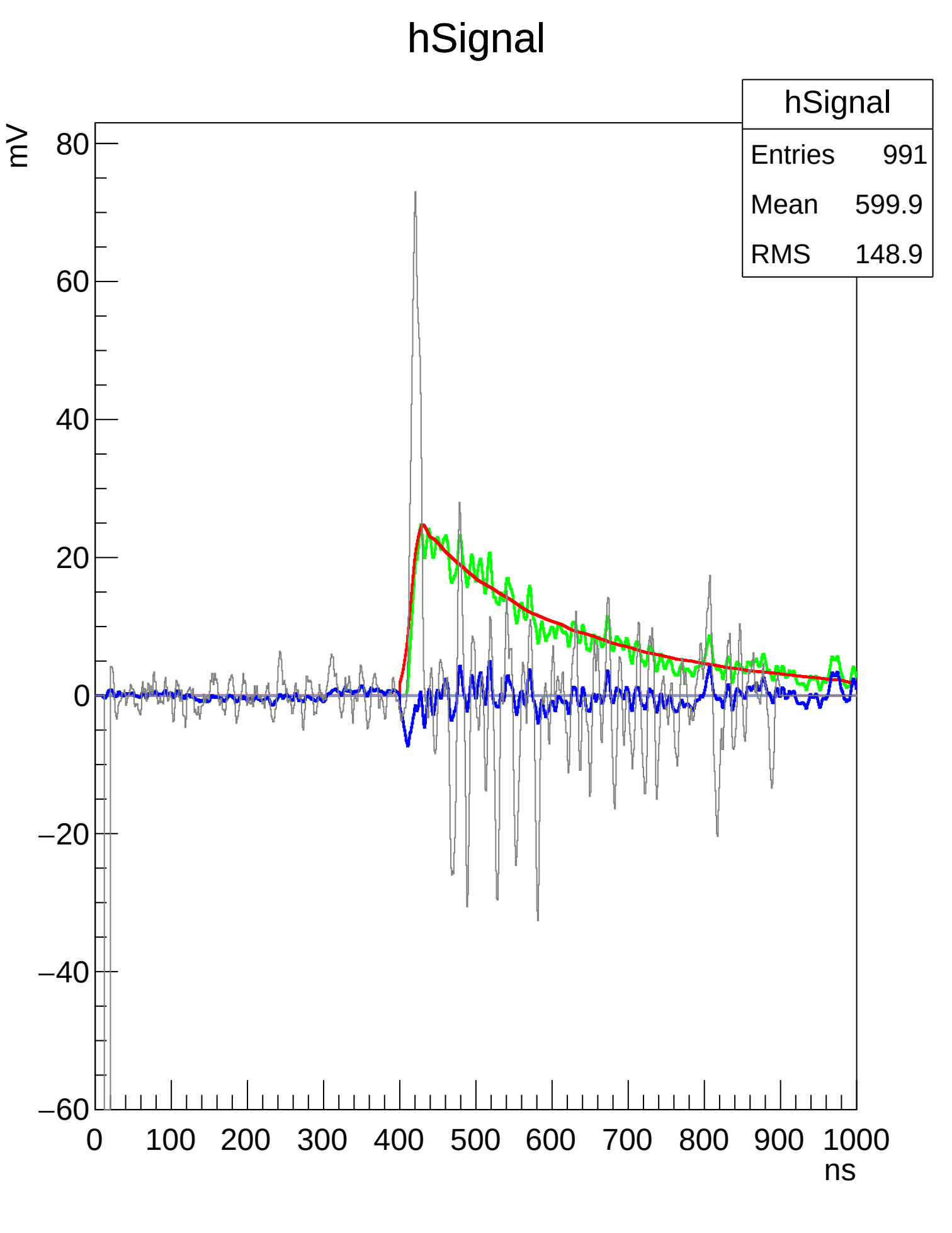
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.9
RMS 148.9
mV
80
60
40
20
0
−20
−40
−60
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200
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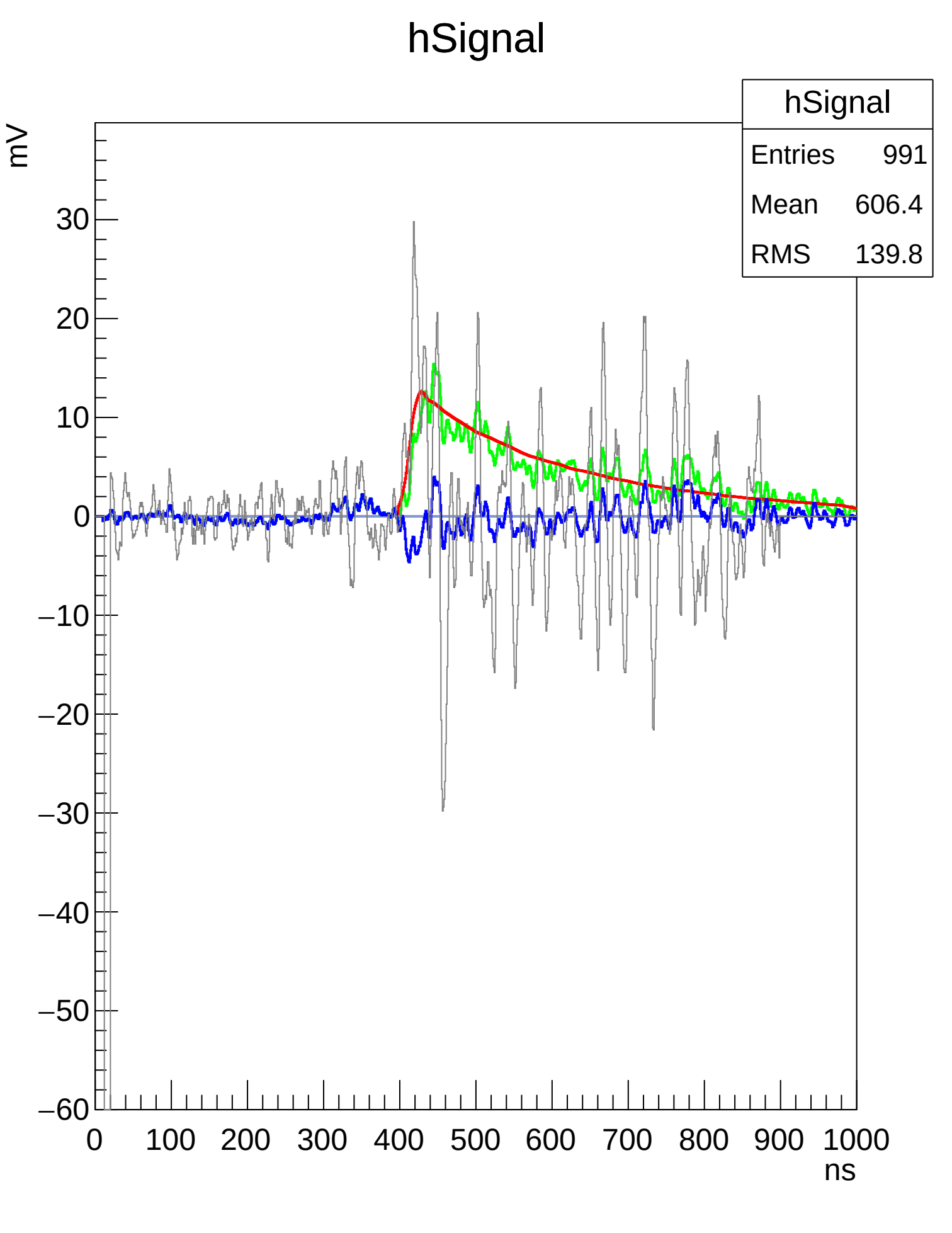
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.4
RMS 139.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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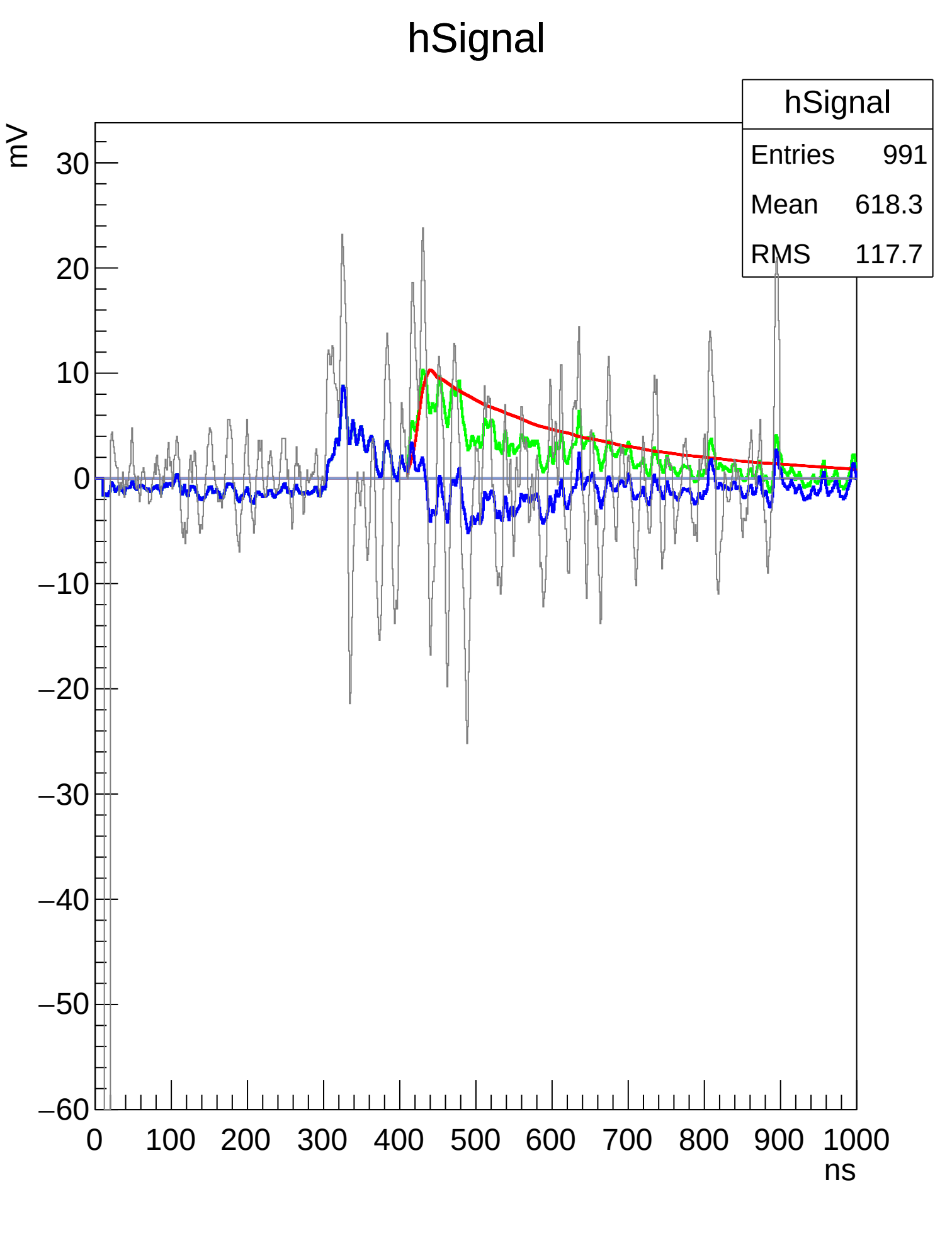
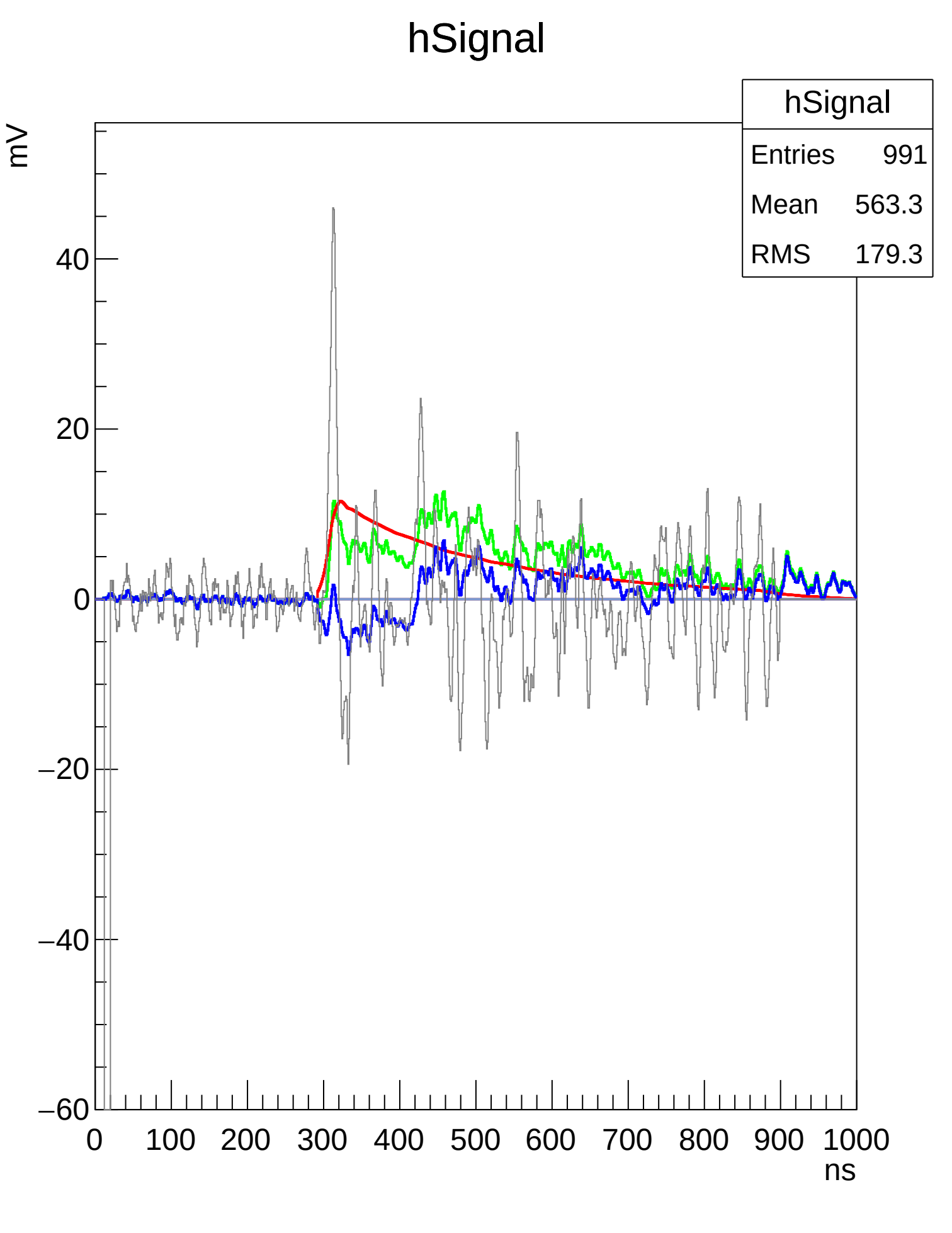
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.3
RMS 117.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.3
RMS 179.3
mV
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0
−20
−40
−60
0
100
200
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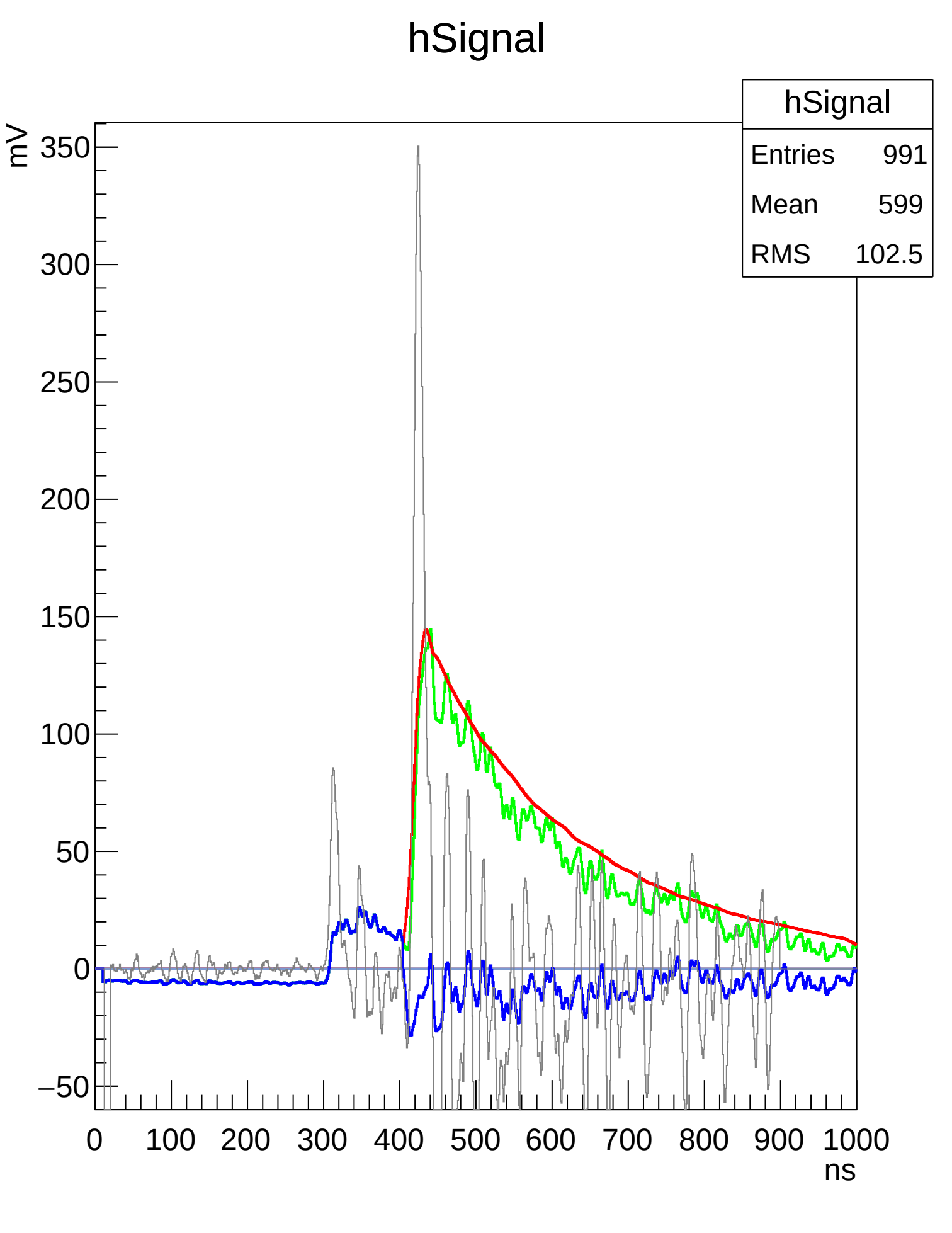
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599
RMS 102.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
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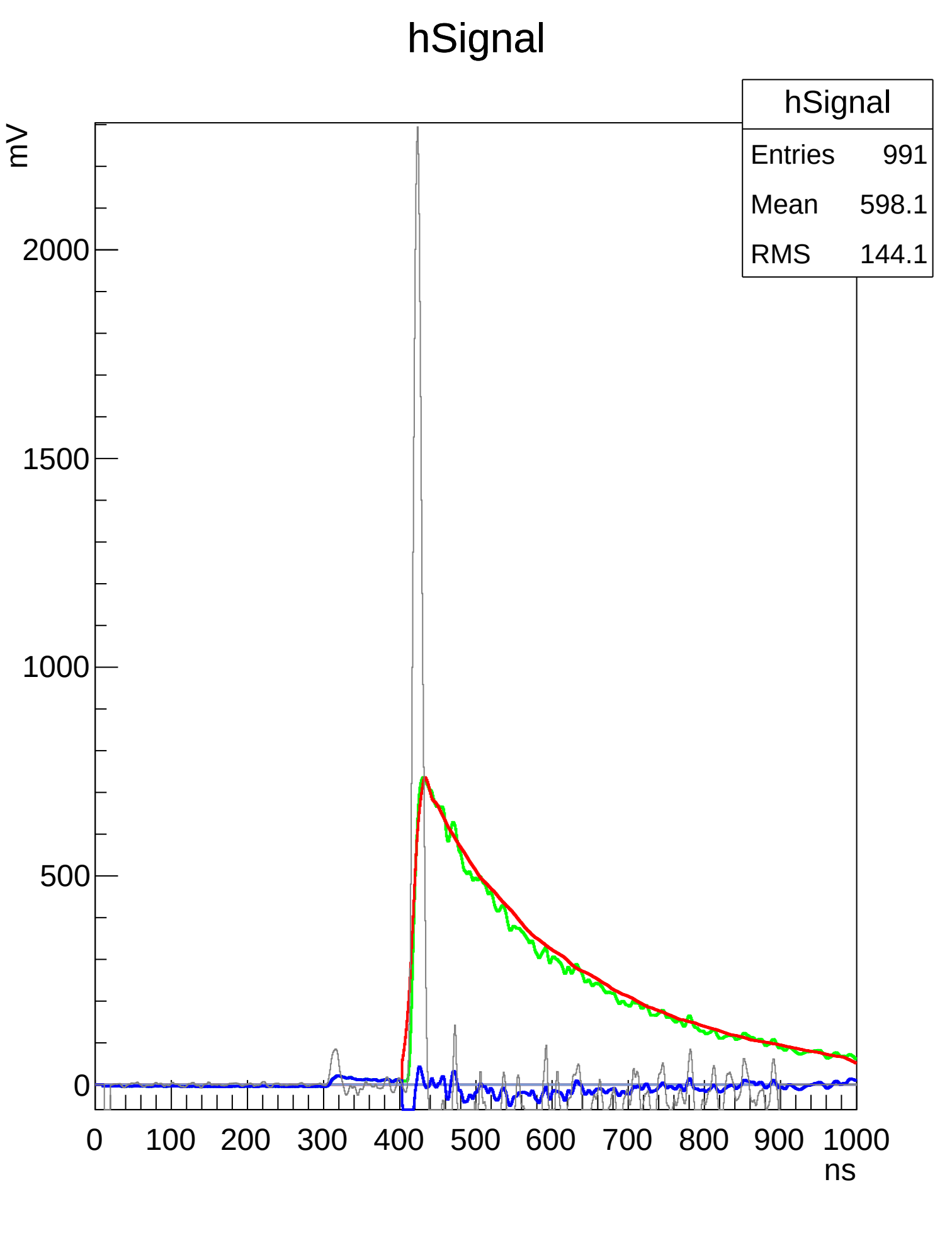
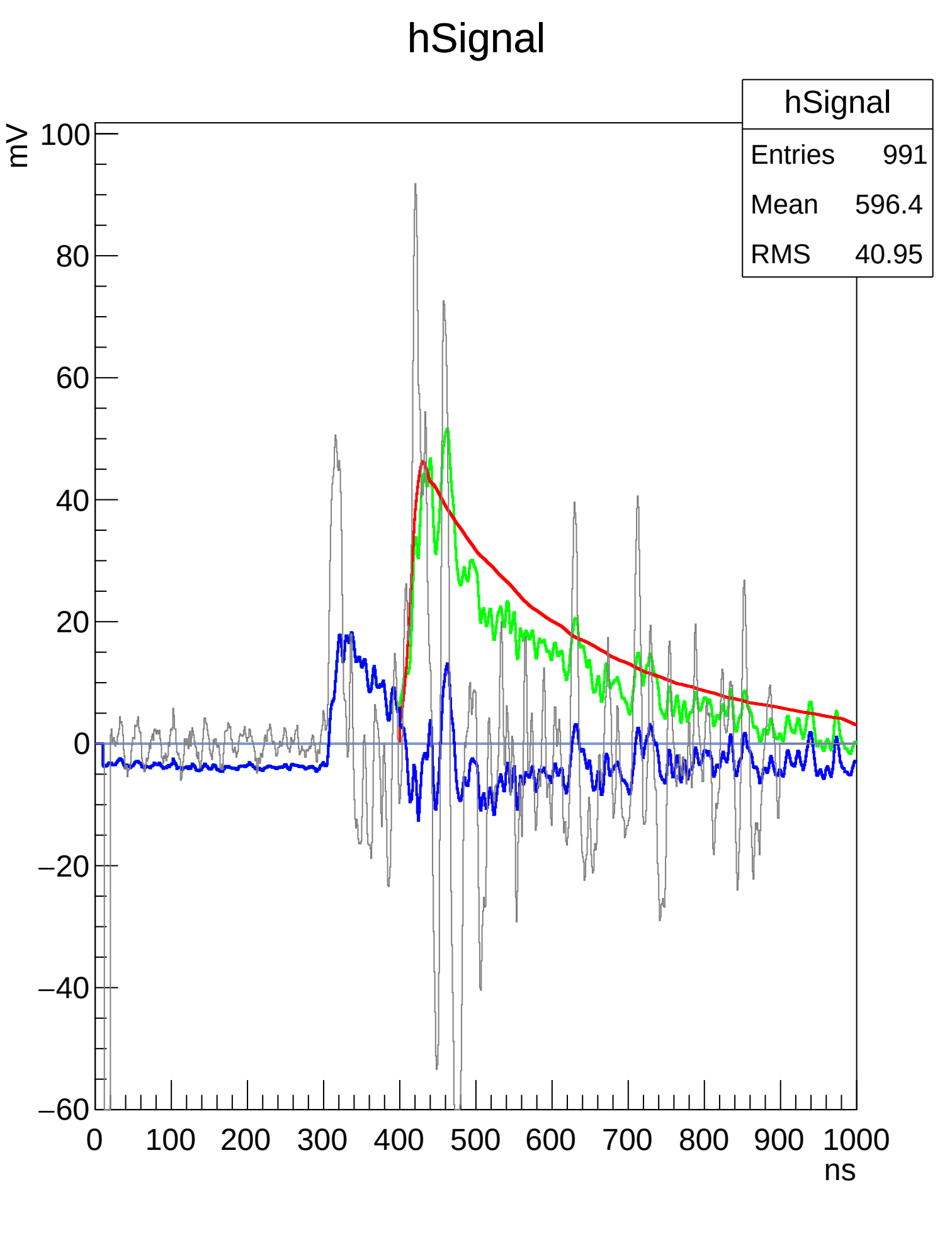
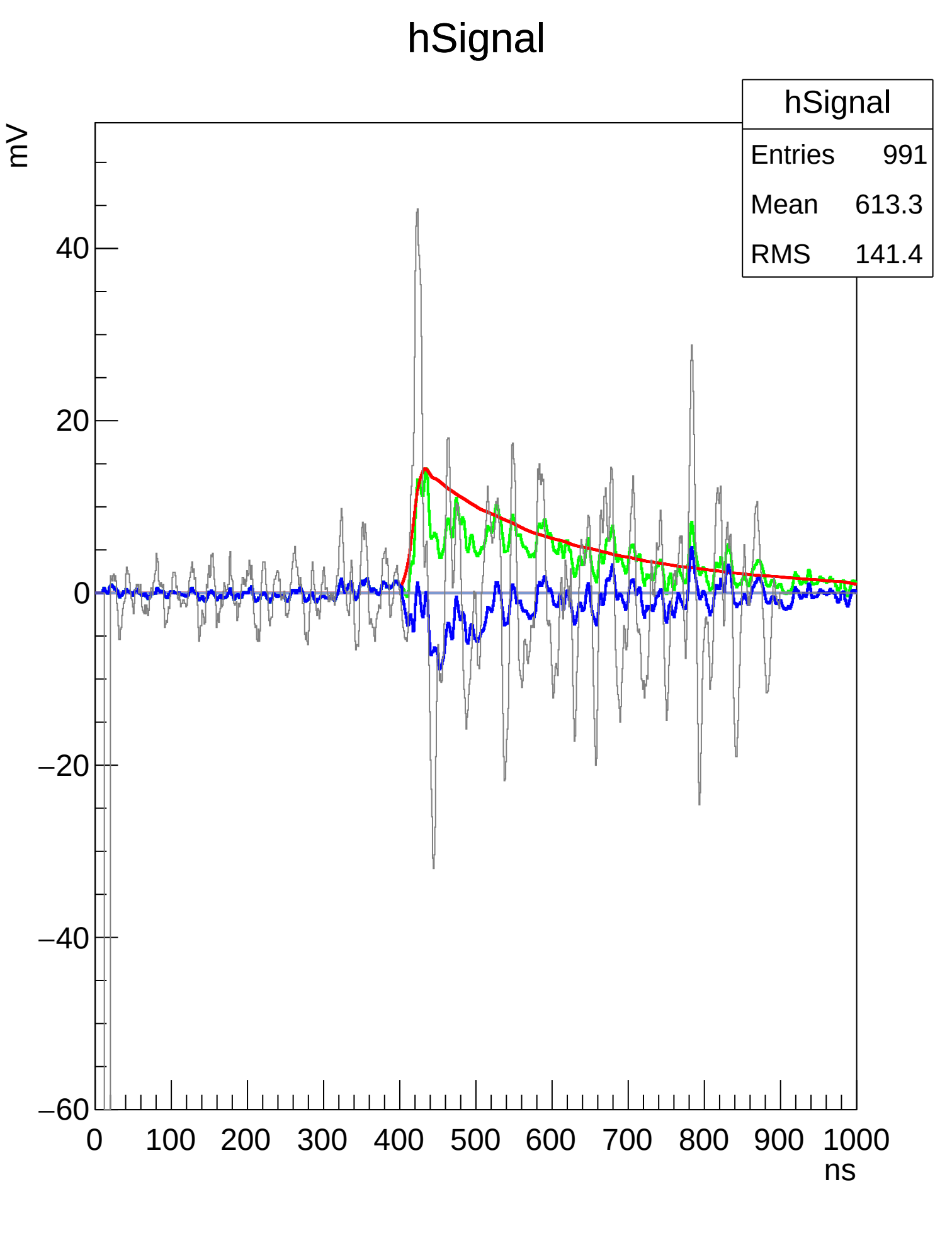
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.1
RMS 144.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.4
RMS 40.95
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.3
RMS 141.4
mV
40
20
0
−20
−40
−60
0
100
200
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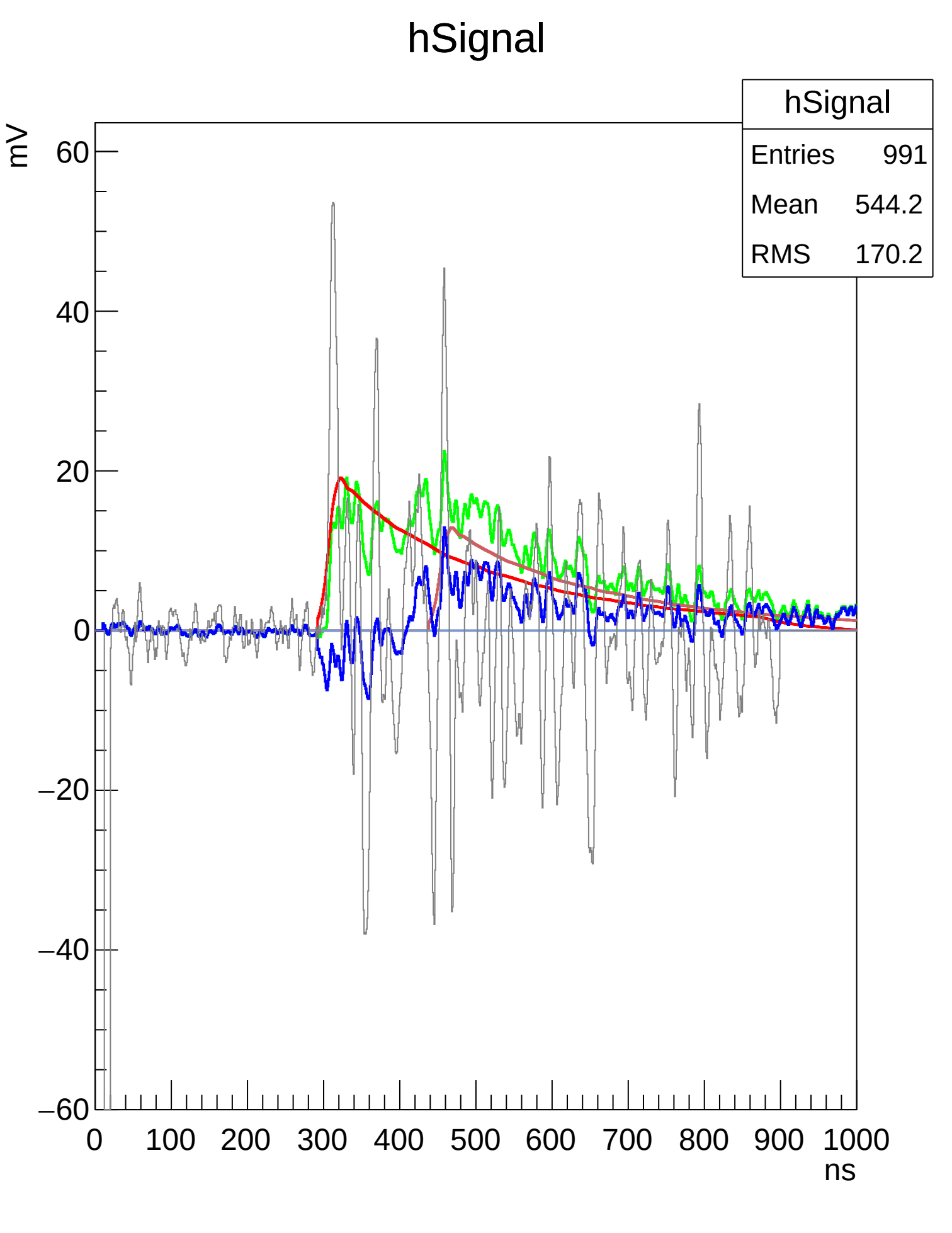
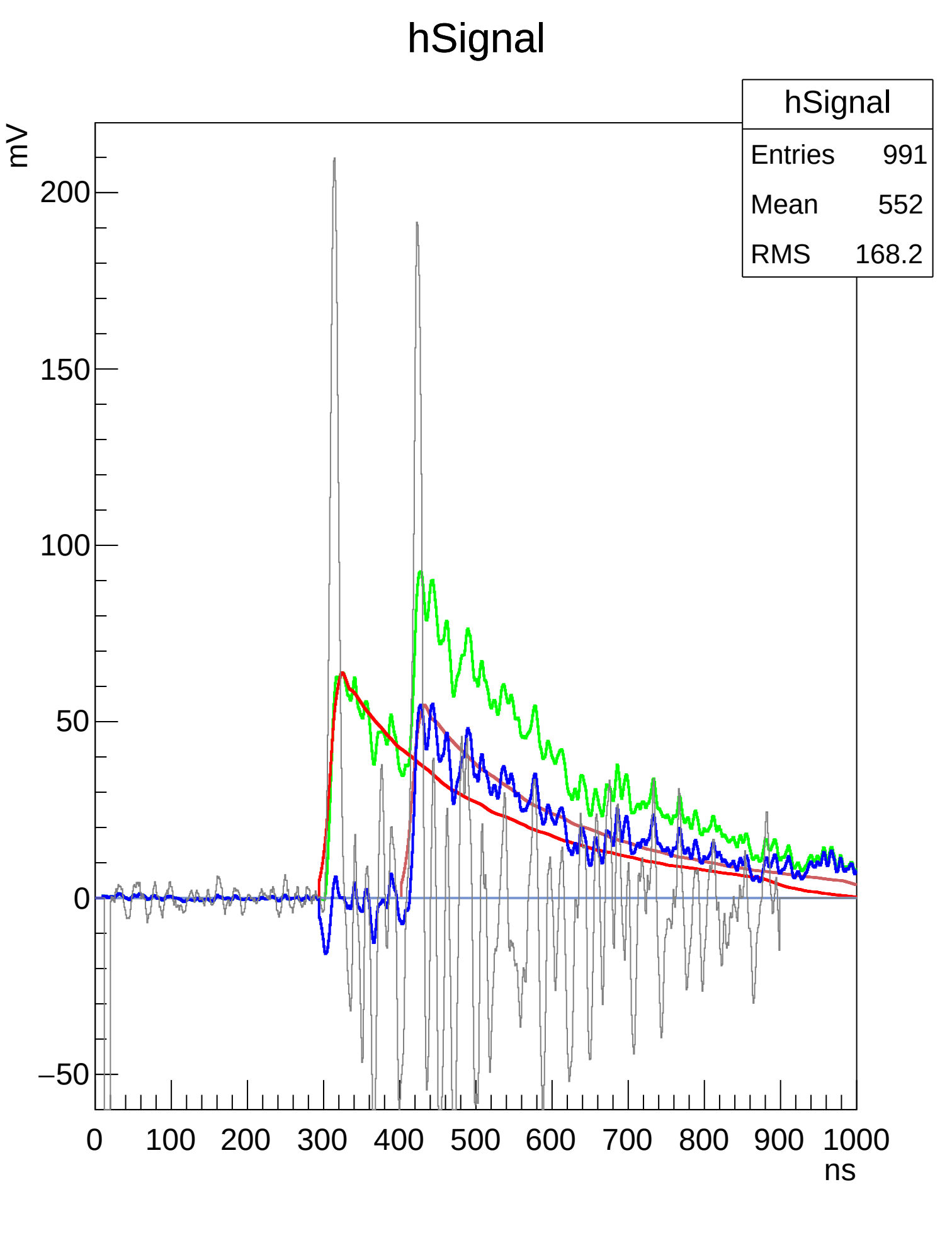
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.2
RMS 170.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552
RMS 168.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
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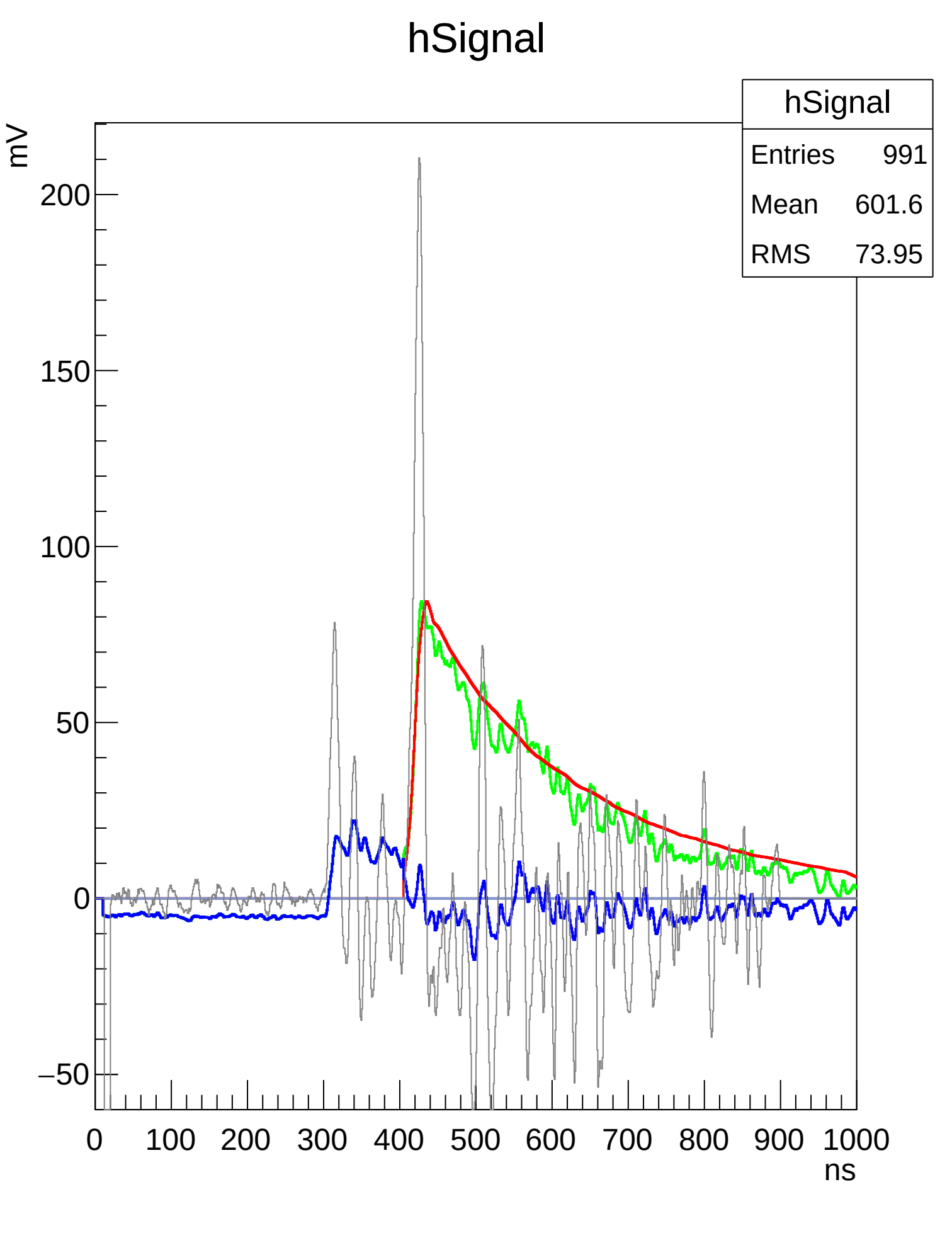
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.6
RMS 73.95
mV
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100
50
0
−50
0
100
200
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400
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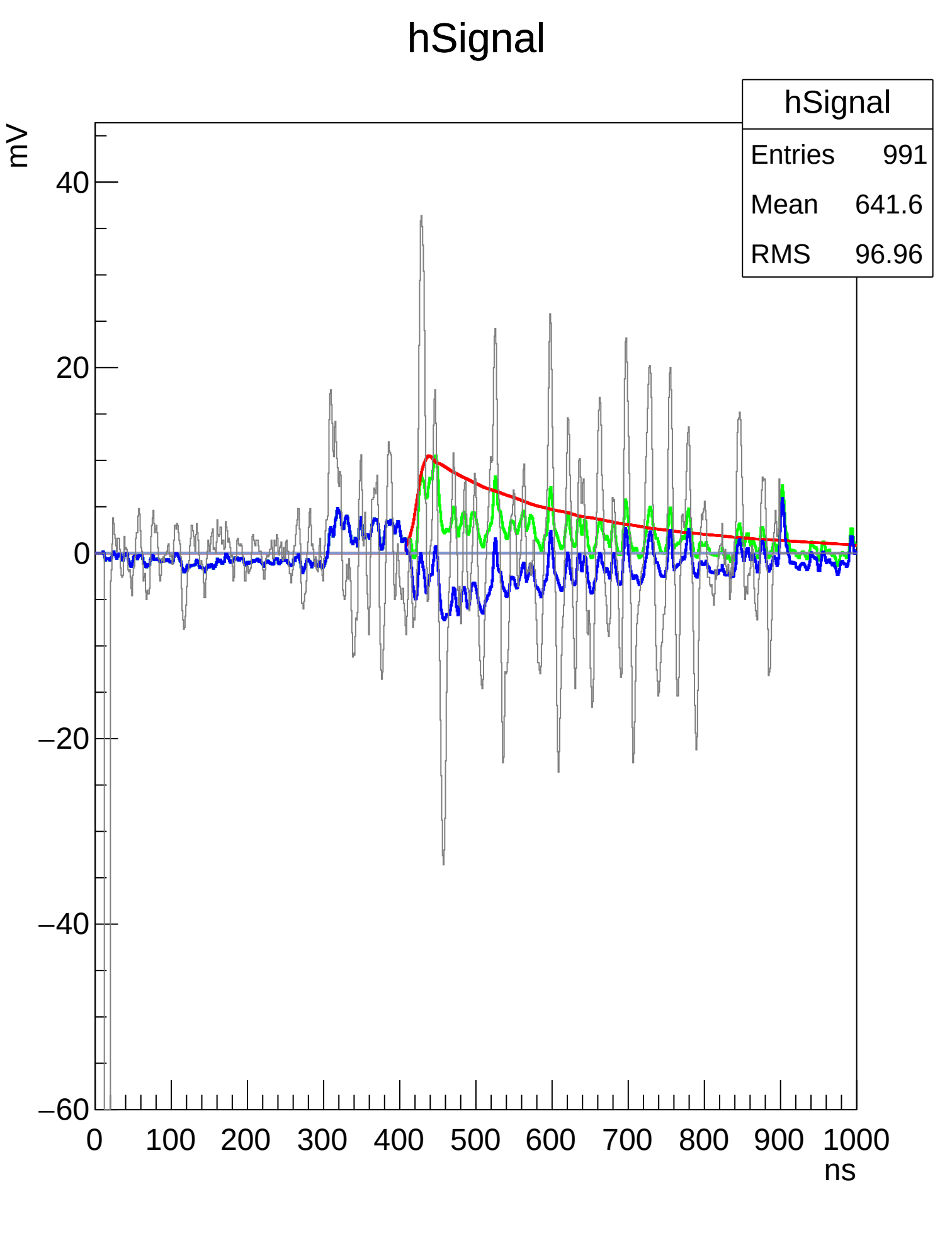
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 641.6
RMS 96.96
mV
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−20
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0
100
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600
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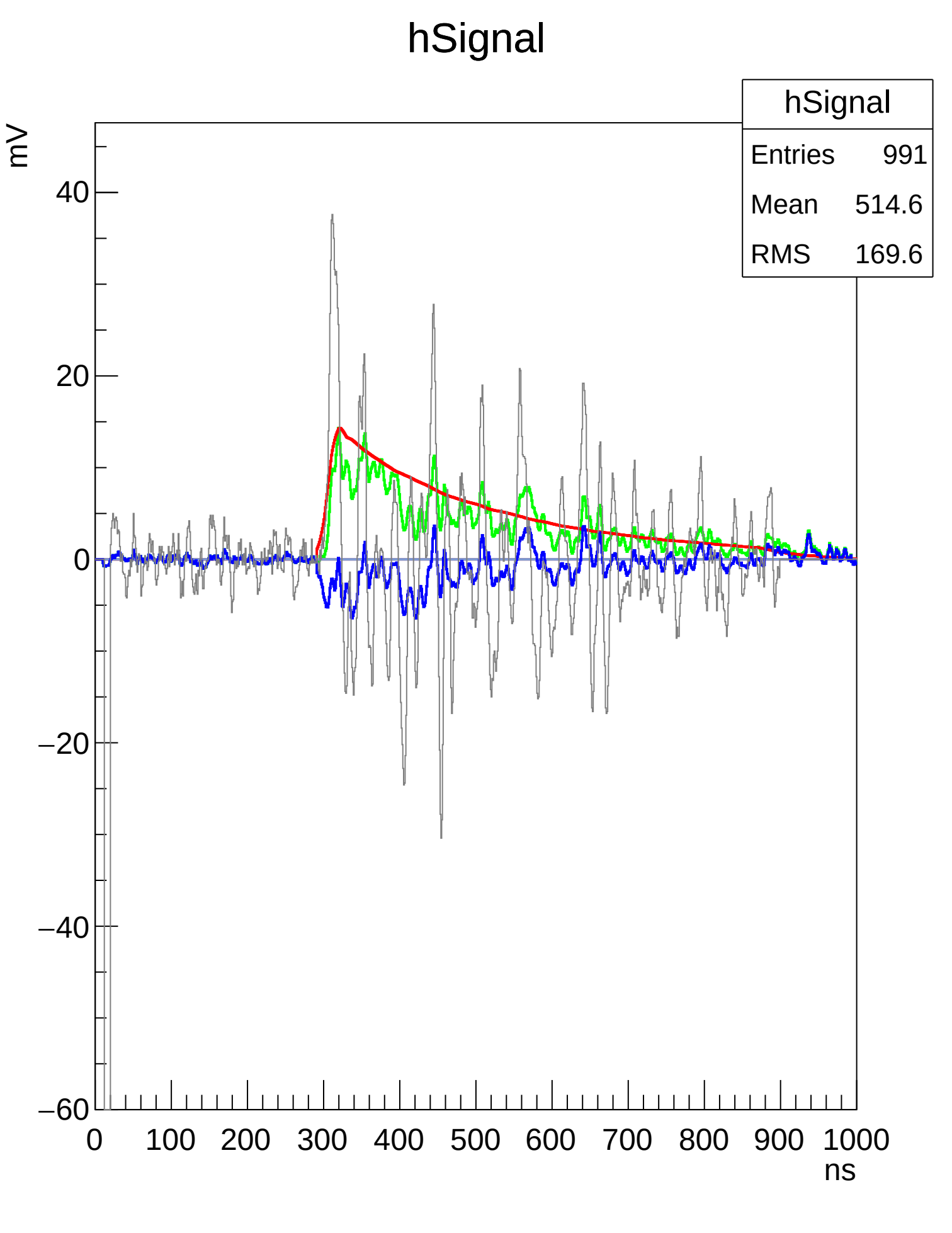
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.6
RMS 169.6
mV
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−20
−40
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0
100
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800
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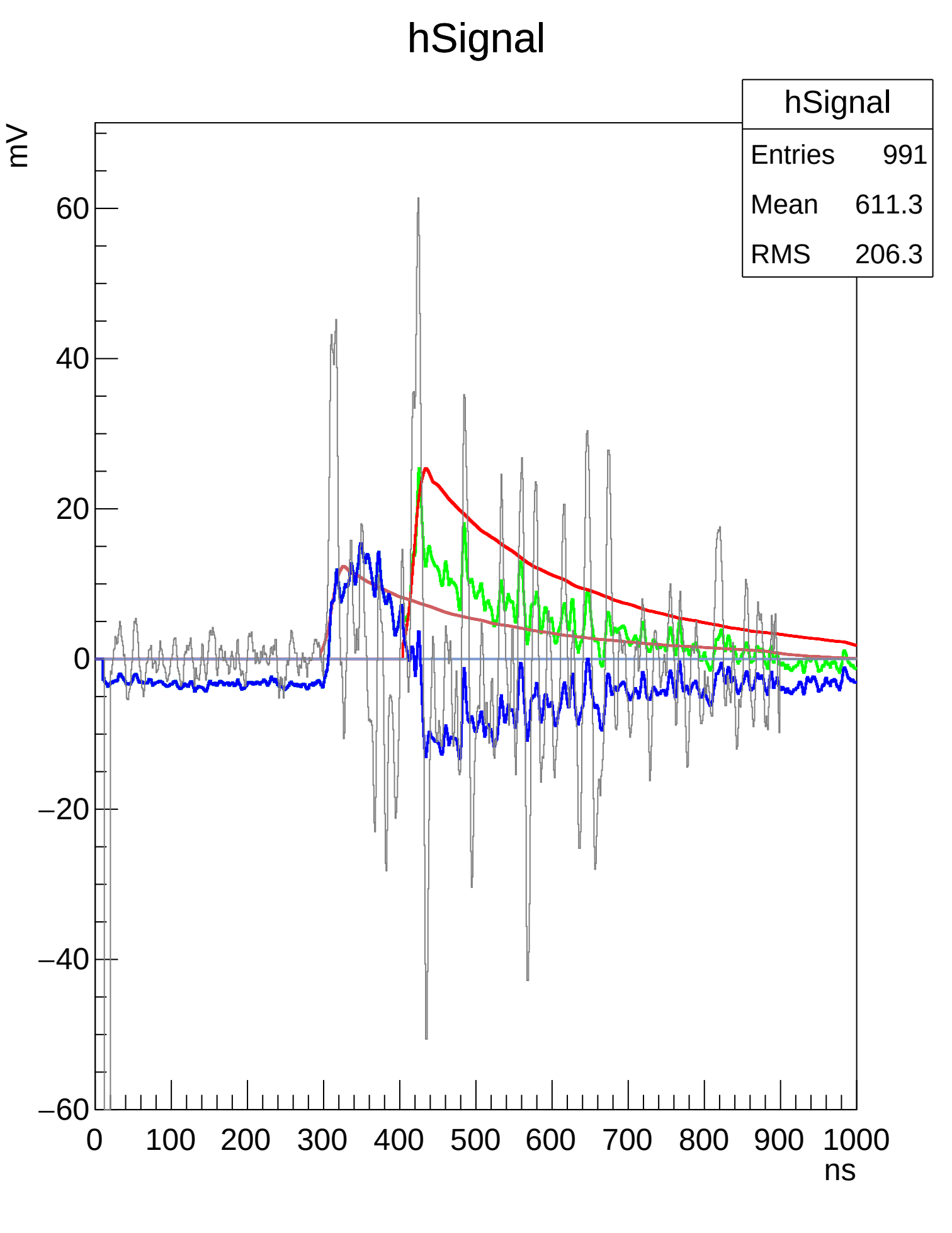
1000
ns


hSignal
hSignal
Entries 991
Mean 611.3
RMS 206.3
mV
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−20
−40
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0
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600
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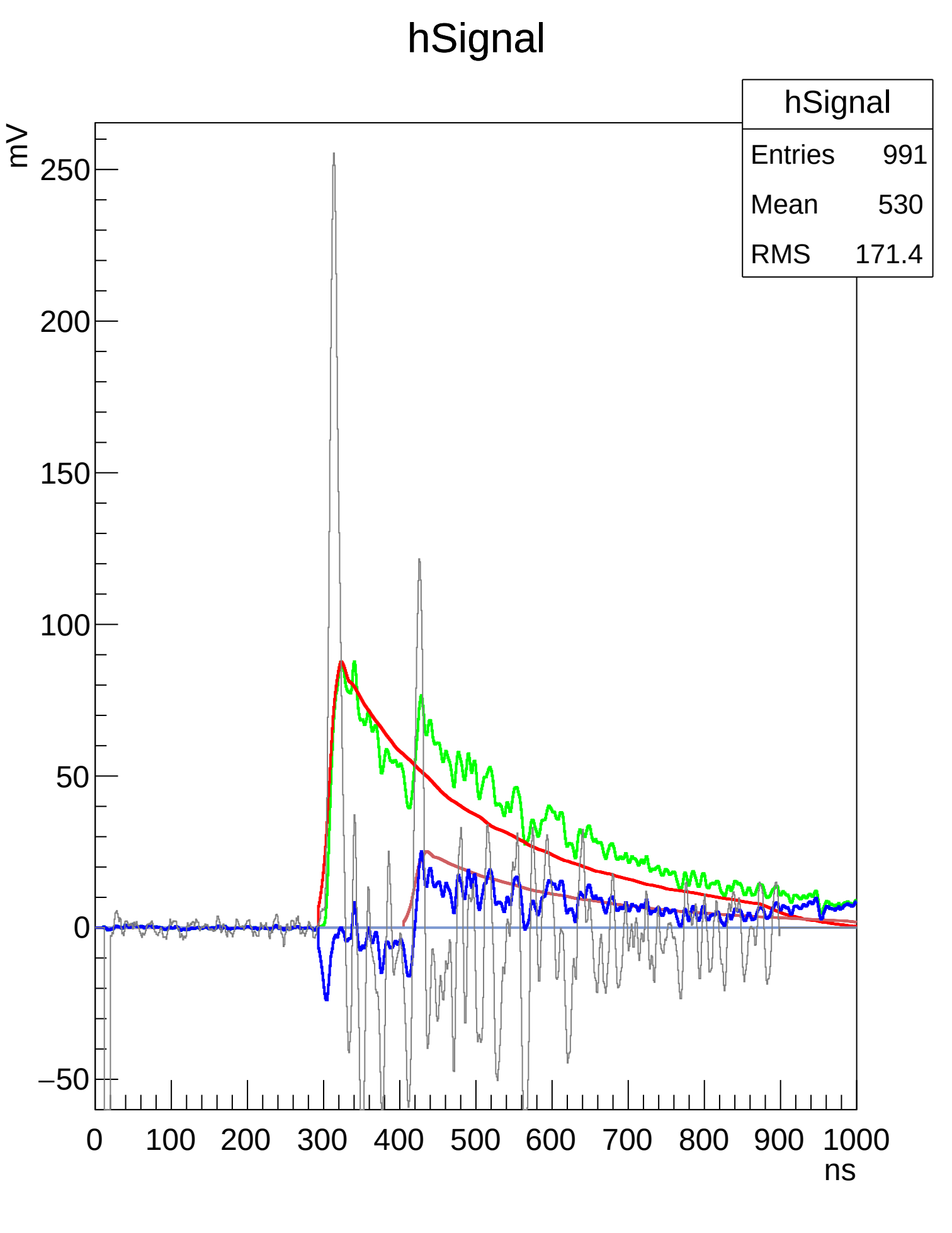
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530
RMS 171.4
mV
250
200
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100
50
0
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0
100
200
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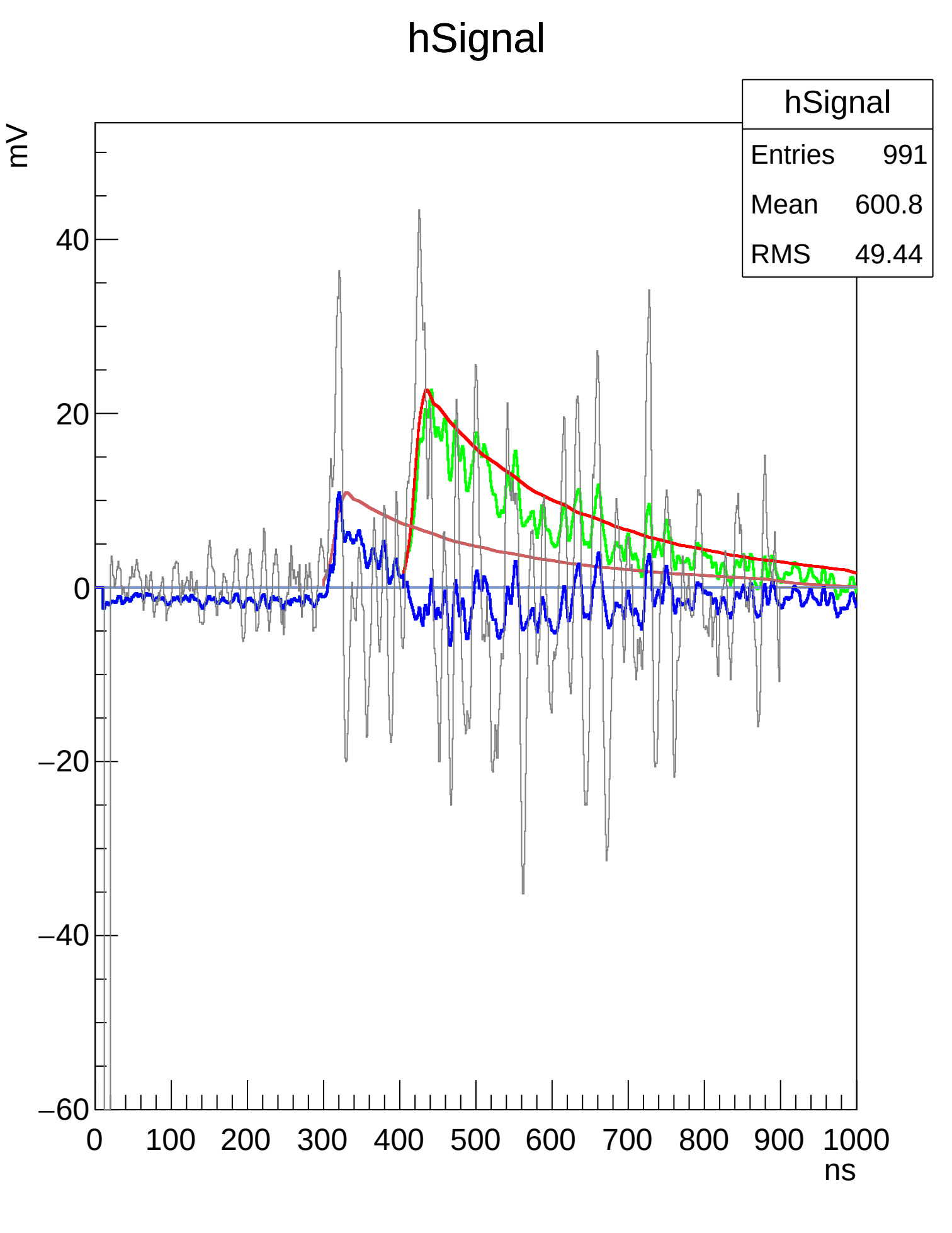
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.8
RMS 49.44
mV
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−20
−40
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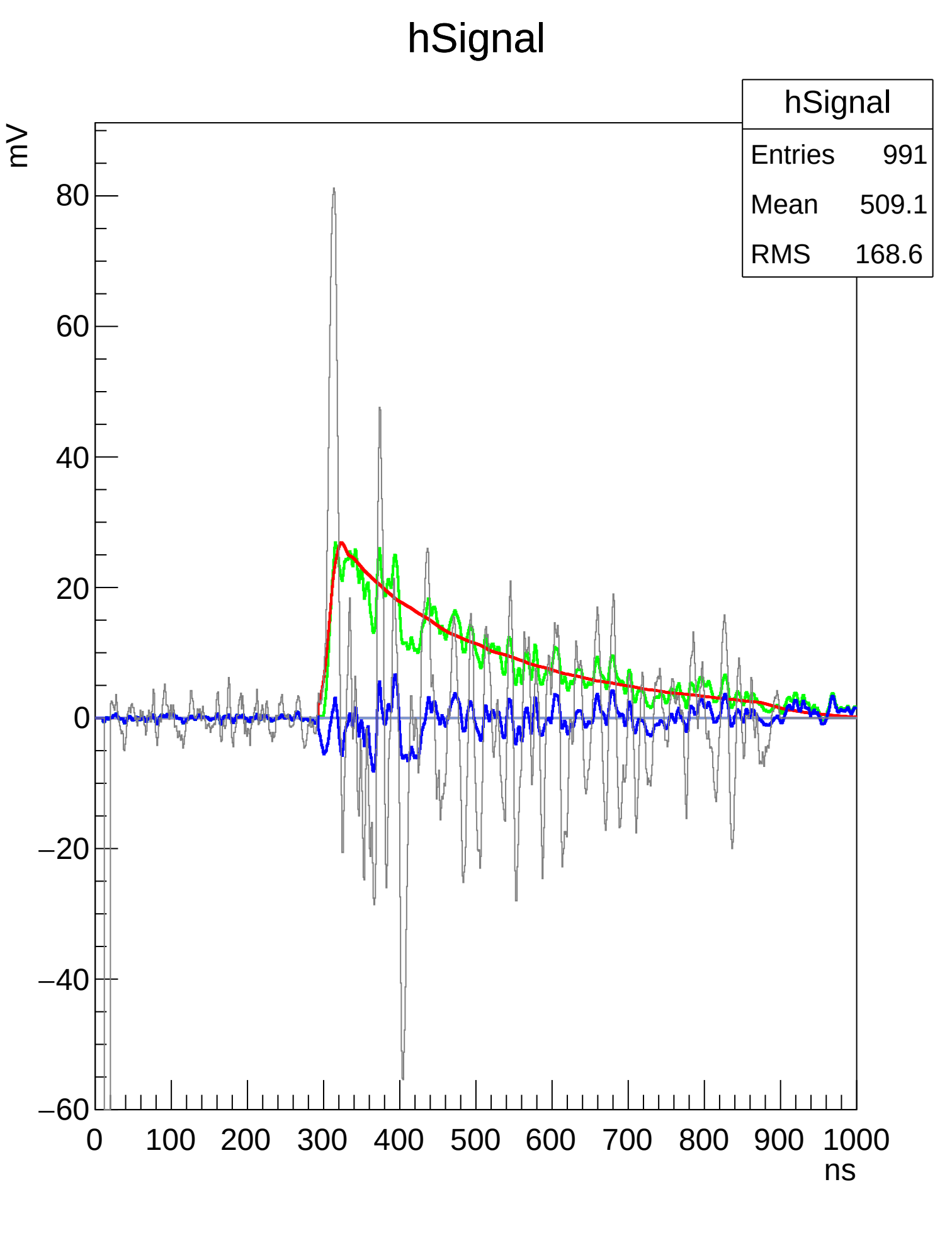
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.1
RMS 168.6
mV
80
60
40
20
0
−20
−40
−60
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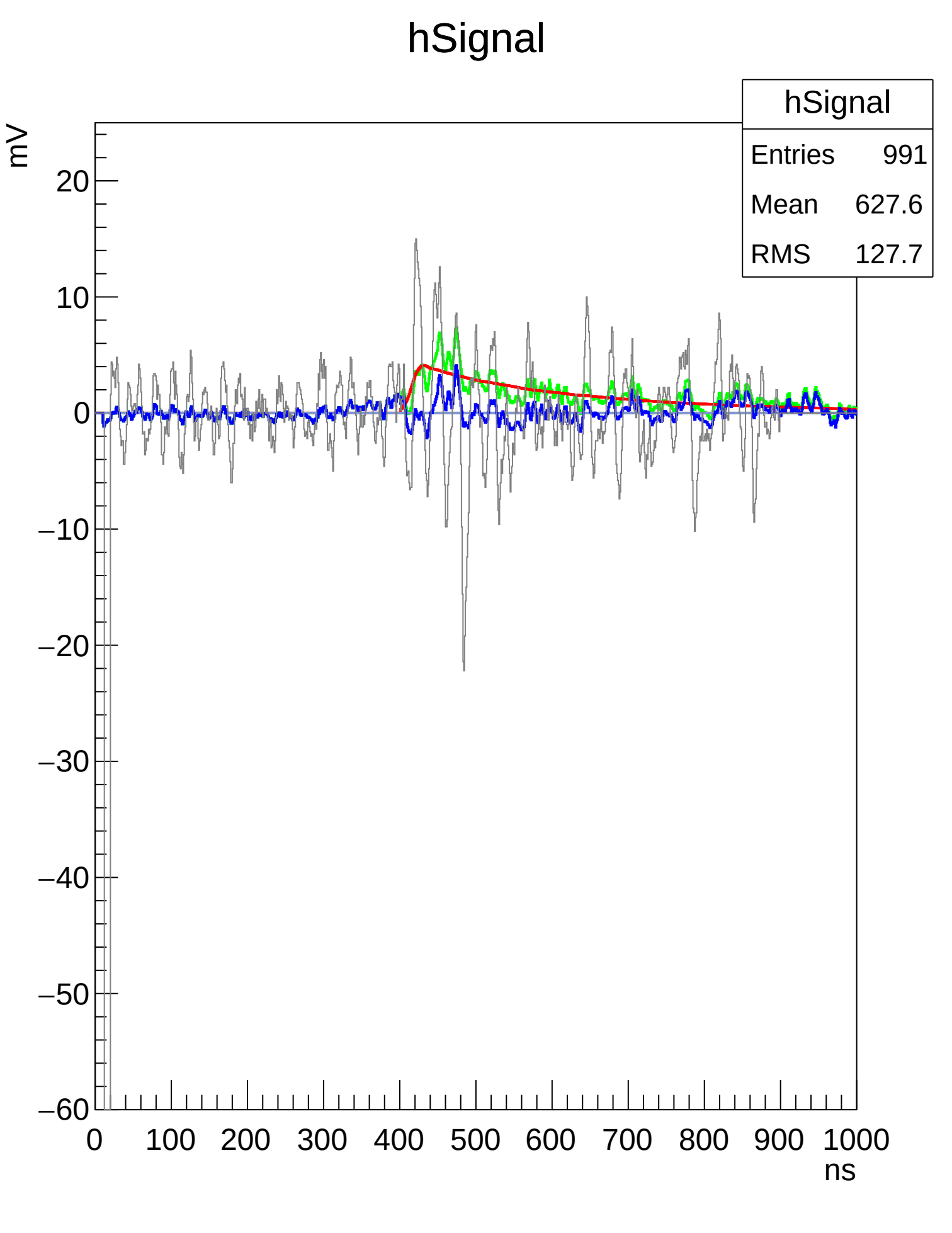
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.6
RMS 127.7
mV
20
10
0
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−20
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−40
−50
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0
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200
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400
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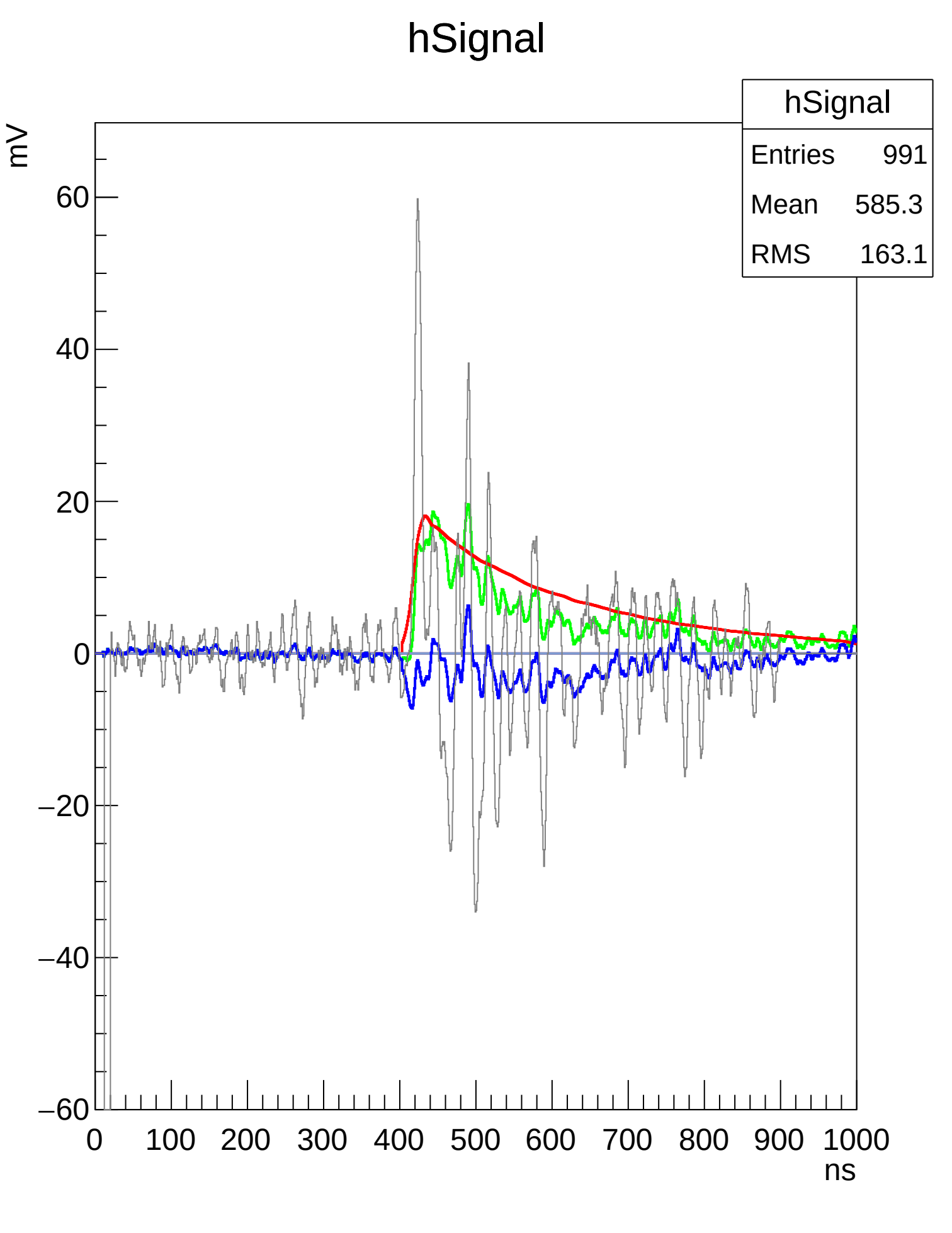
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 163.1
mV
60
40
20
0
−20
−40
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0
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600
700
800
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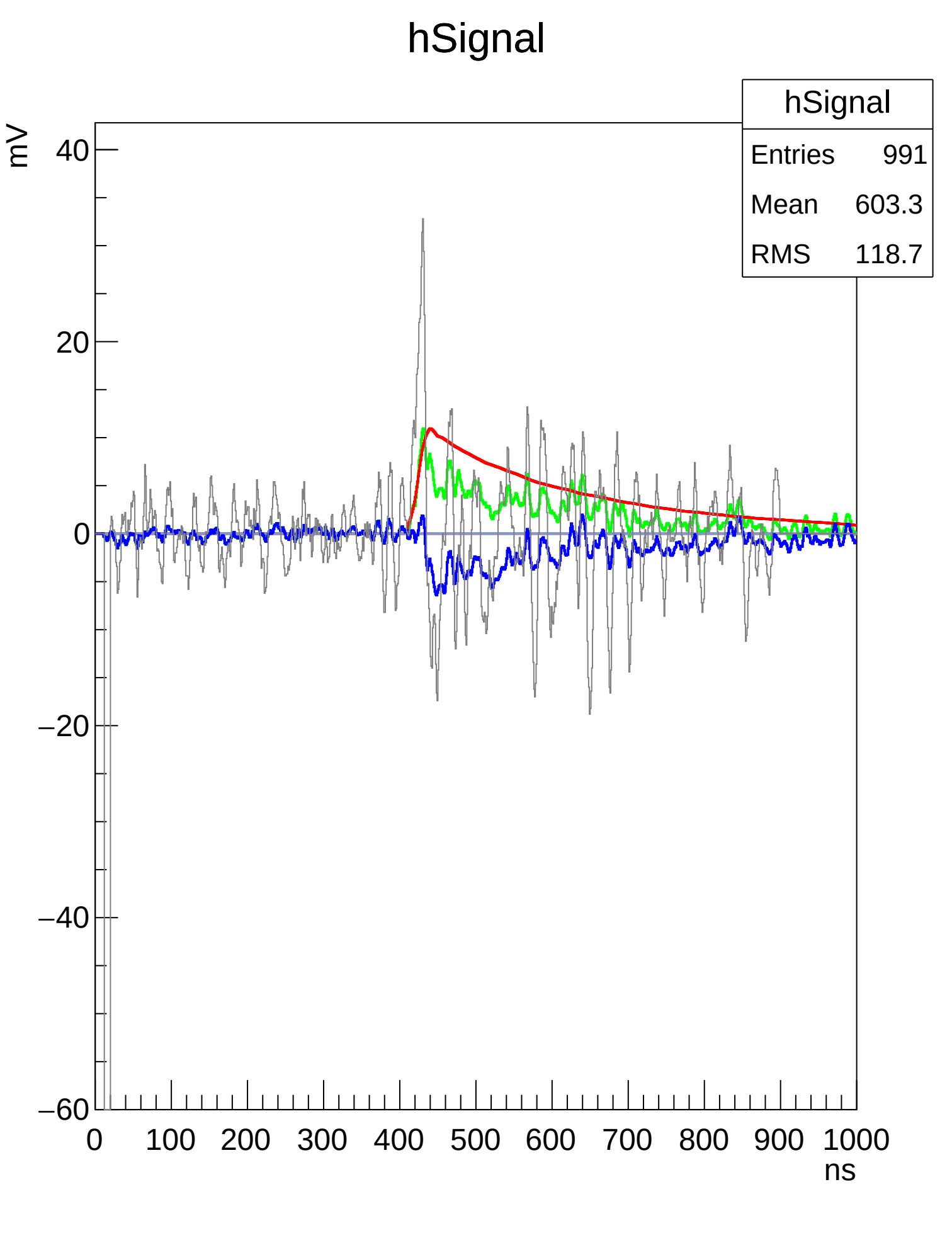
1000
ns


hSignal
hSignal
Entries 991
Mean 603.3
RMS 118.7
mV
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20
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−20
−40
−60
0
100
200
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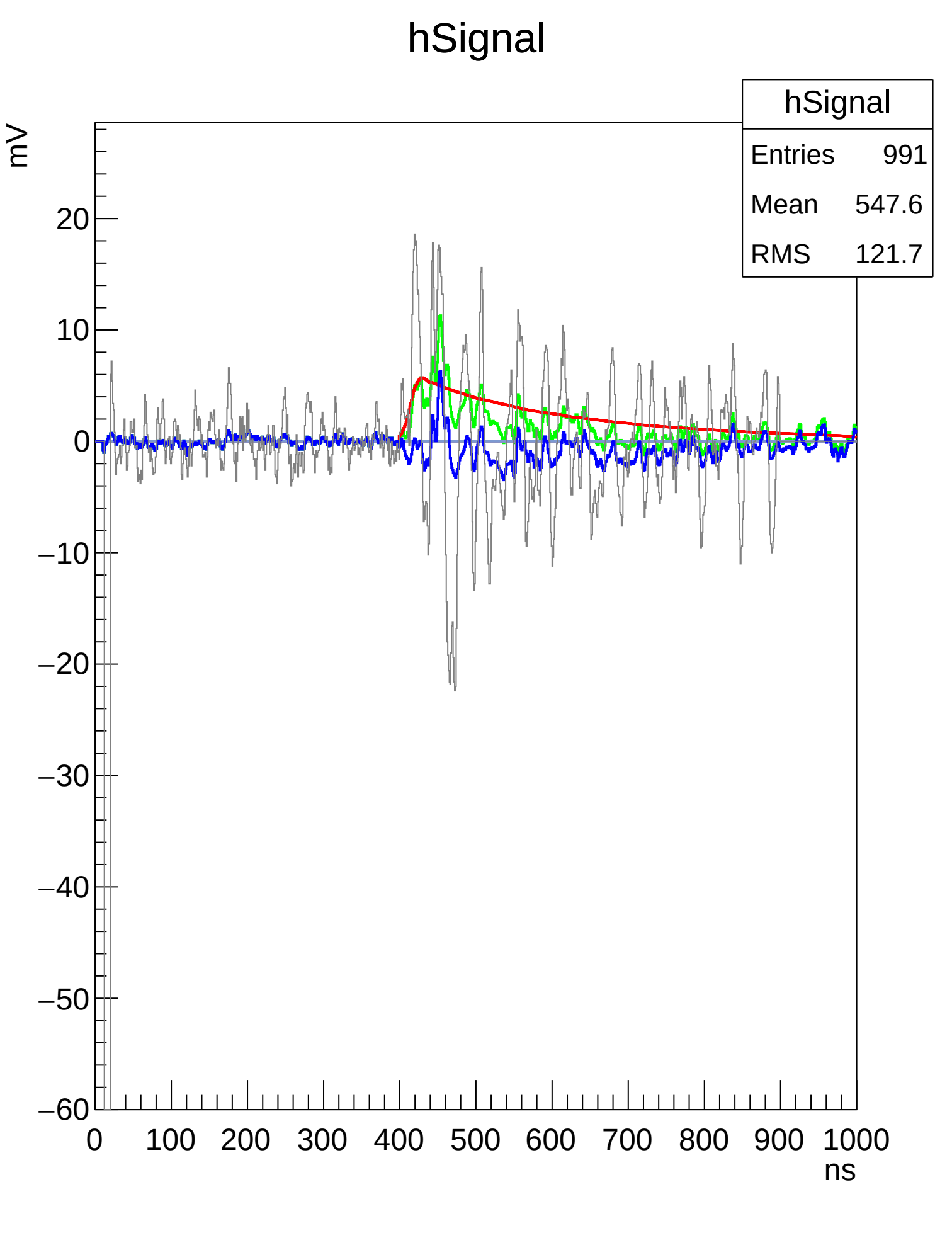
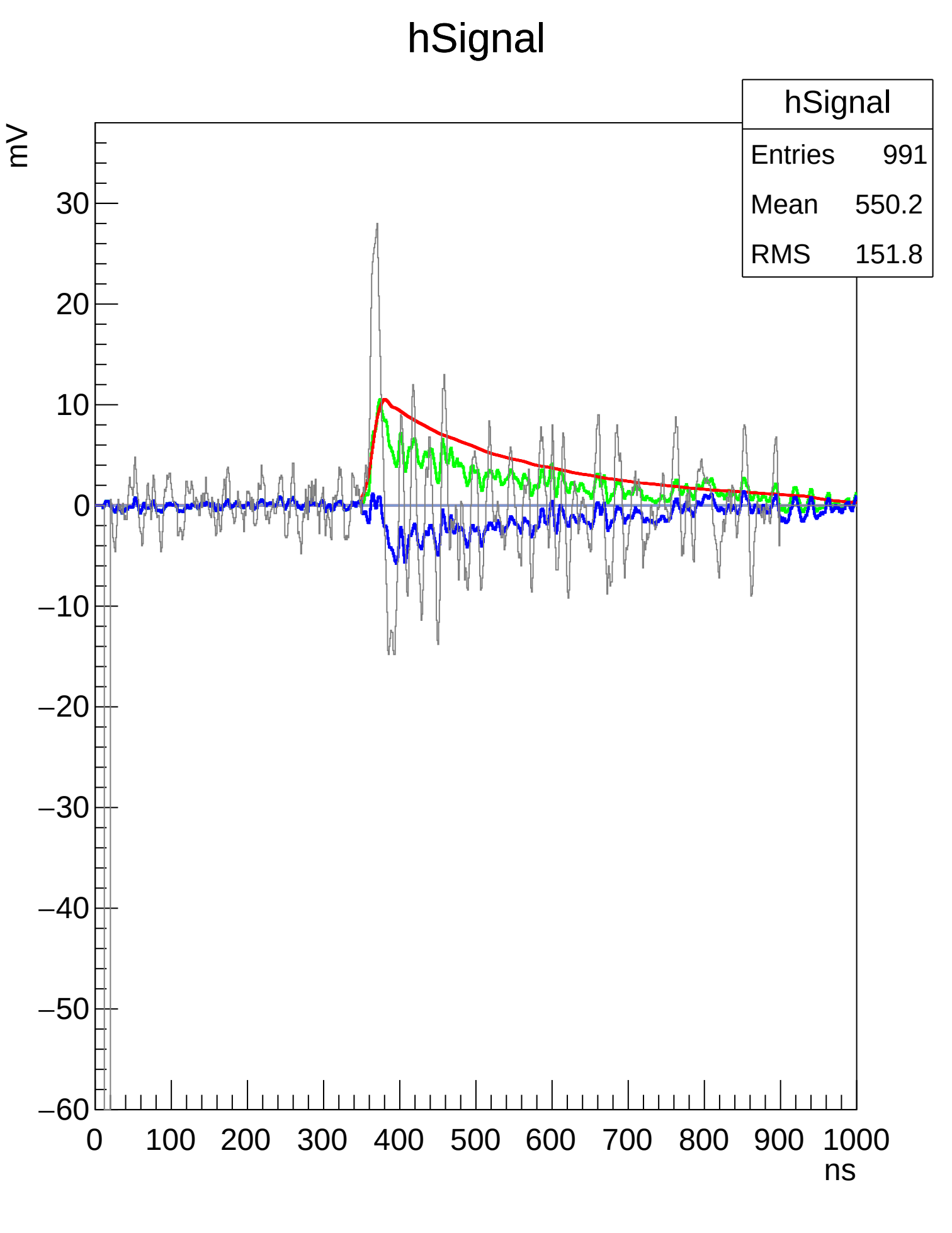
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.6
RMS 121.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.2
RMS 151.8
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
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200
300
400
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600
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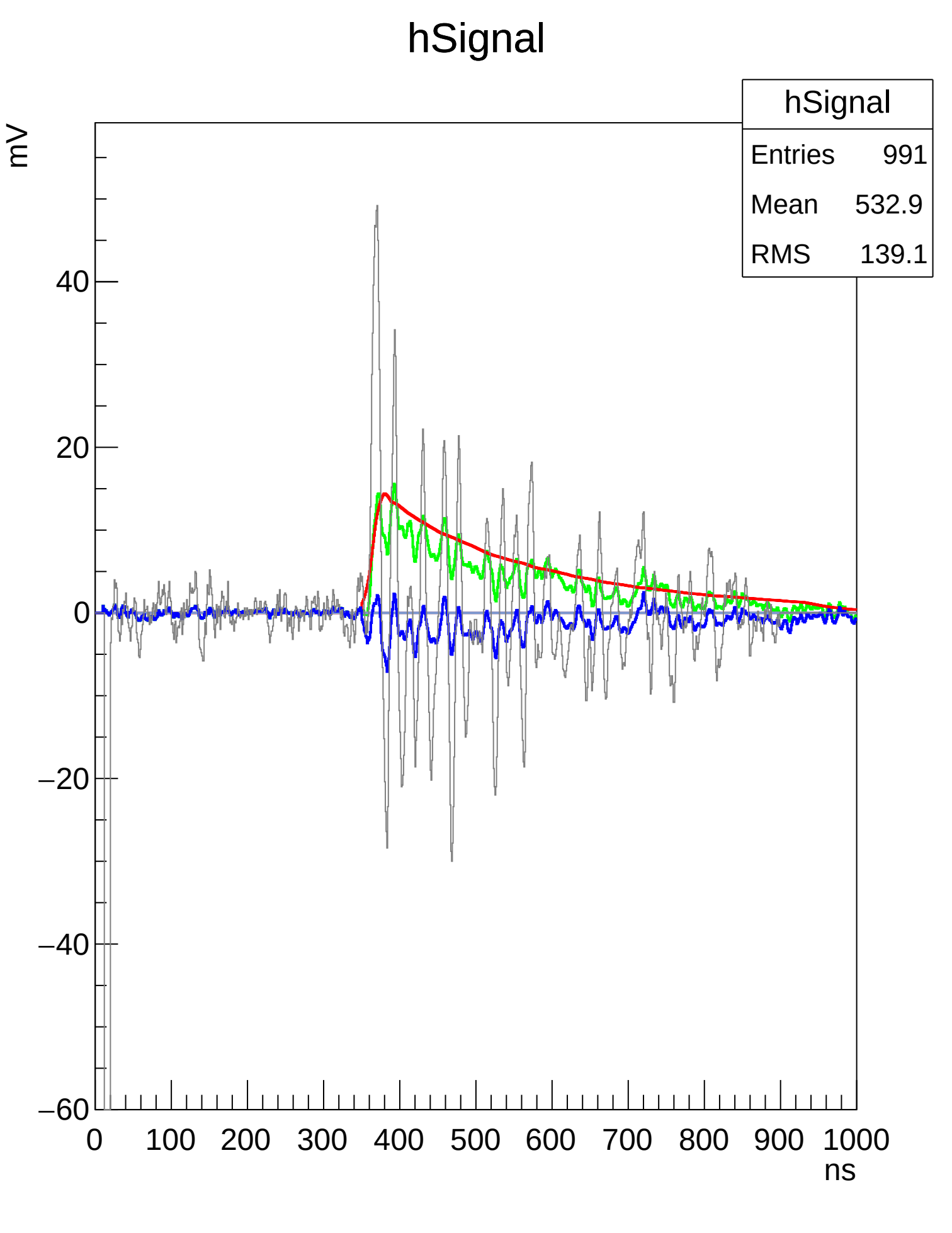
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.9
RMS 139.1
mV
40
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0
−20
−40
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0
100
200
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400
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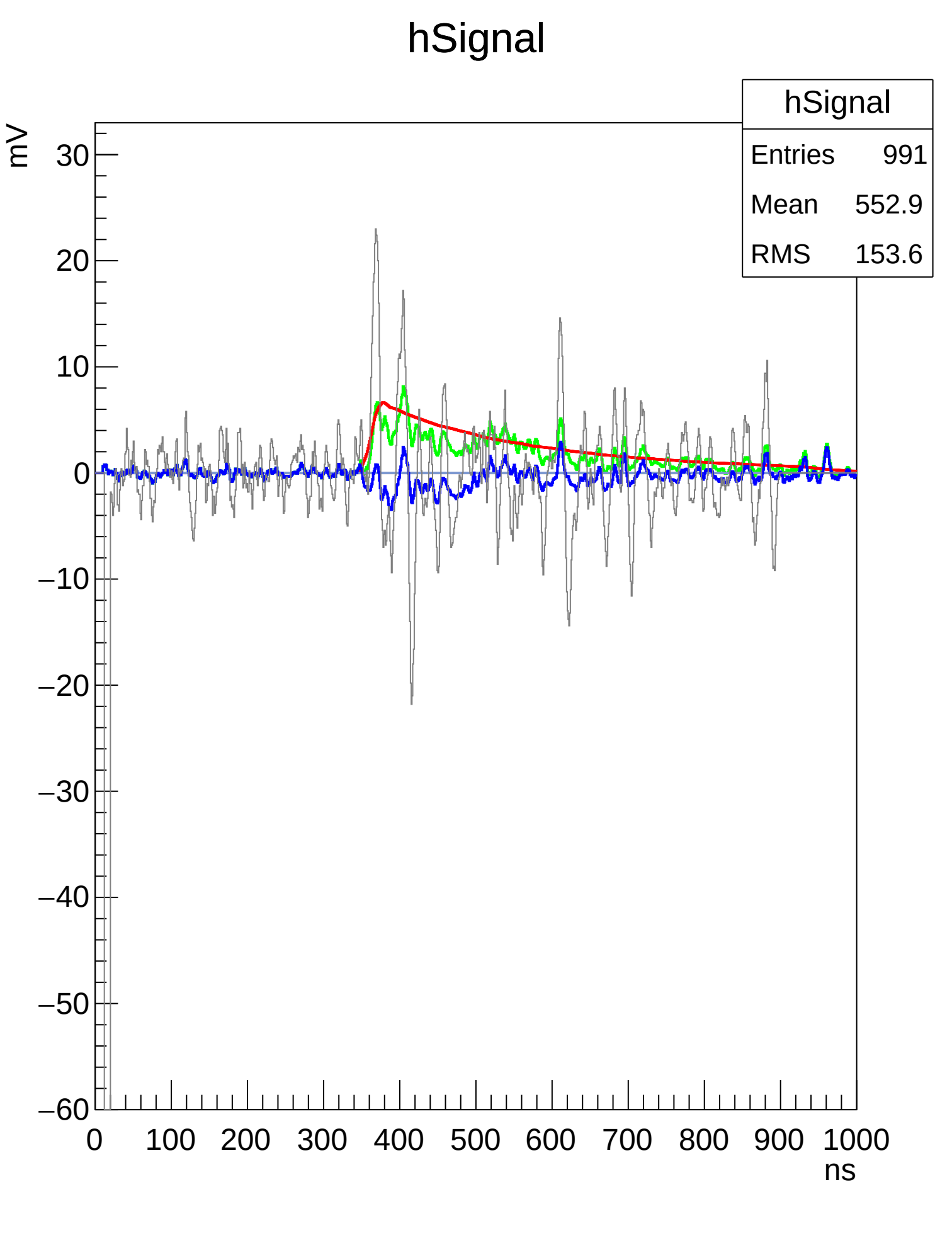
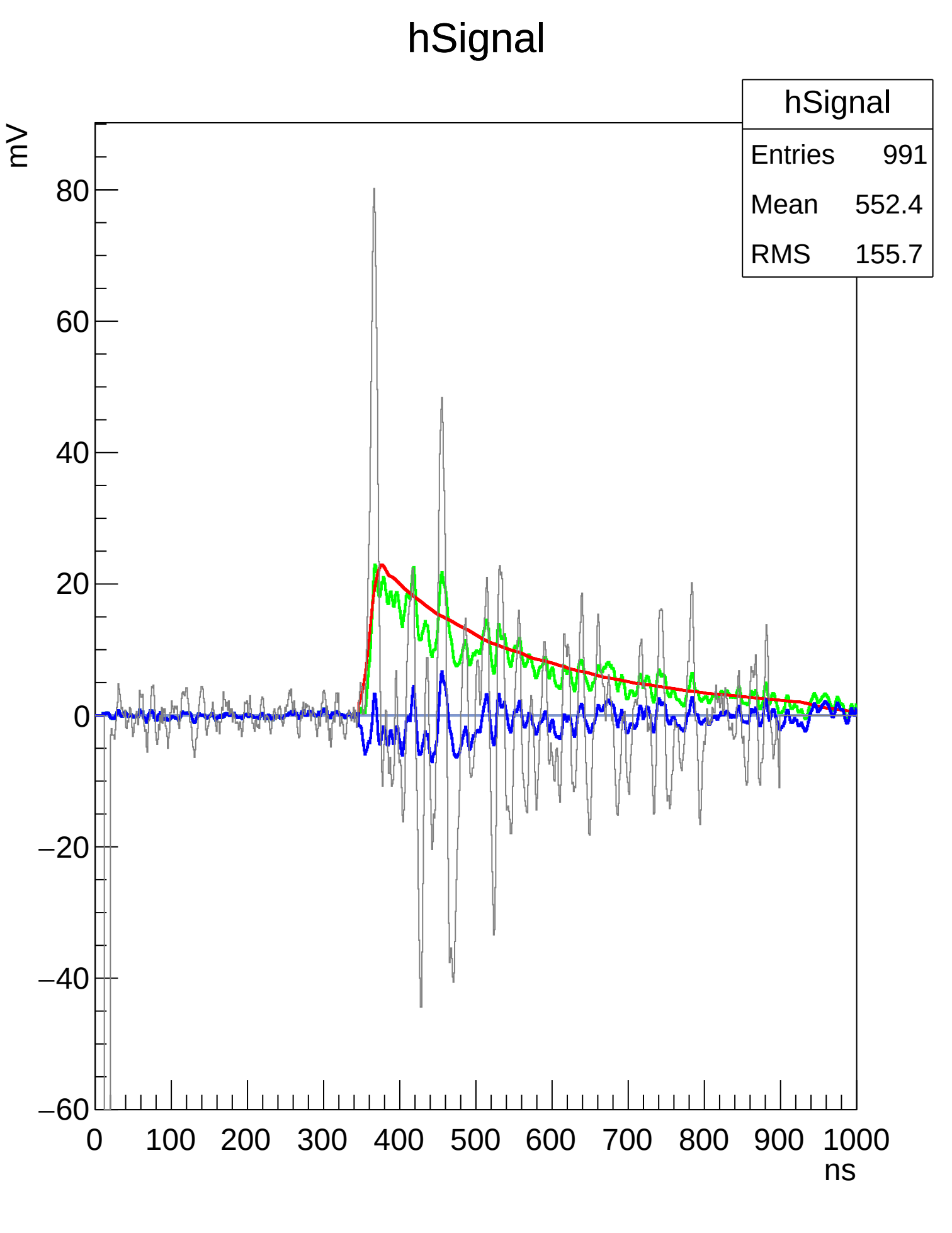
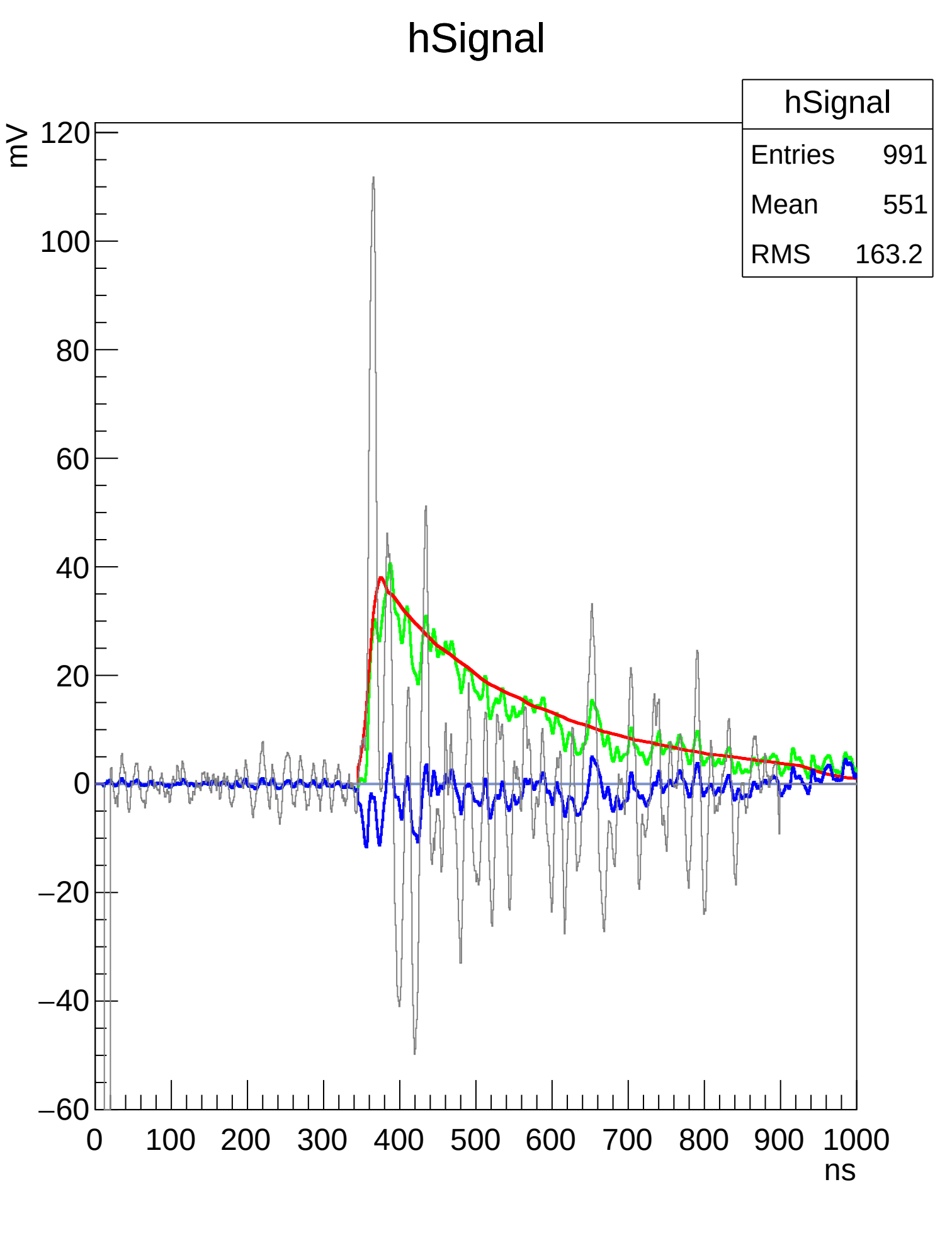
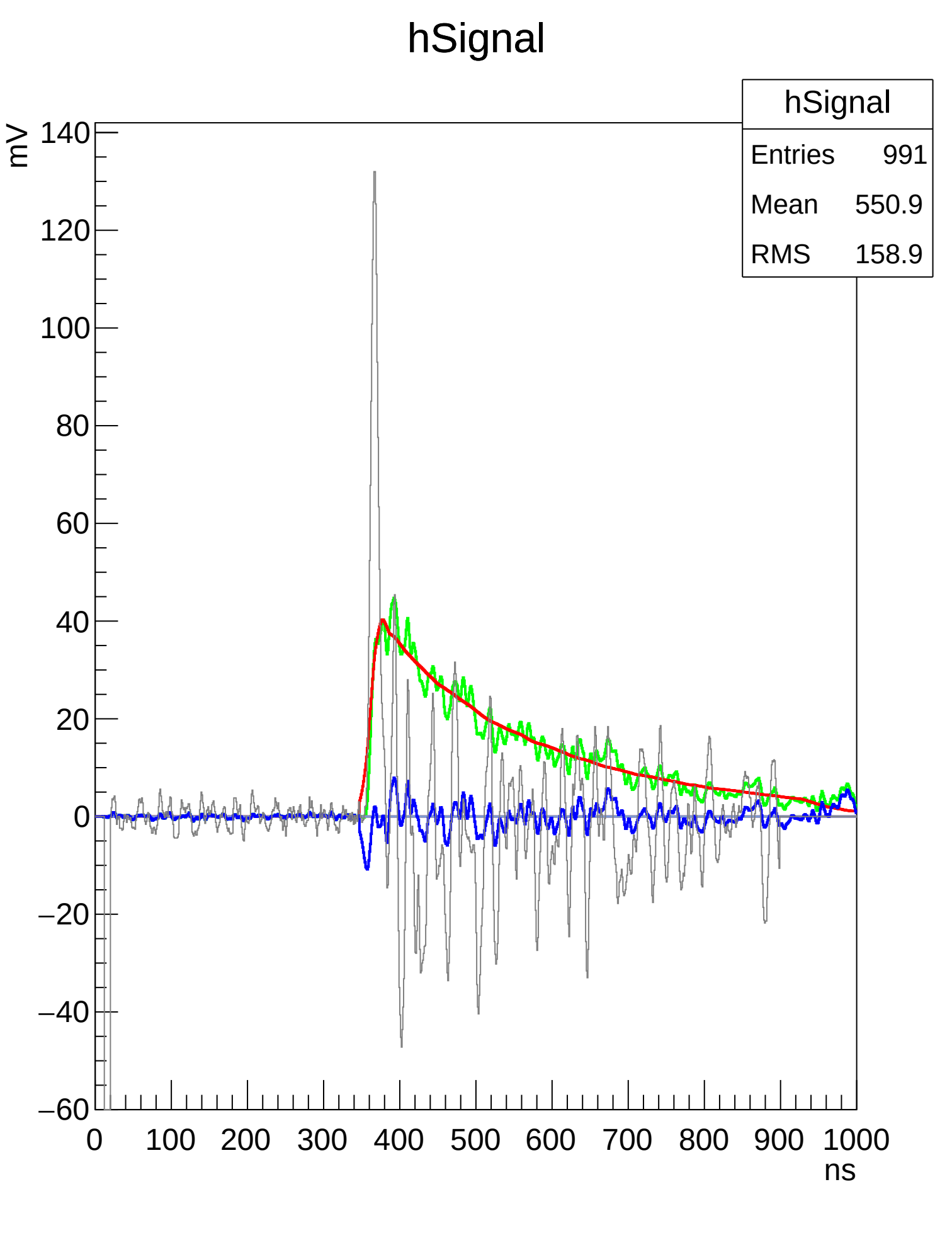
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.9
RMS 153.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.4
RMS 155.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551
RMS 163.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.9
RMS 158.9
mV
140
120
100
80
60
40
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0
−20
−40
−60
0
100
200
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400
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700
800
900
1000
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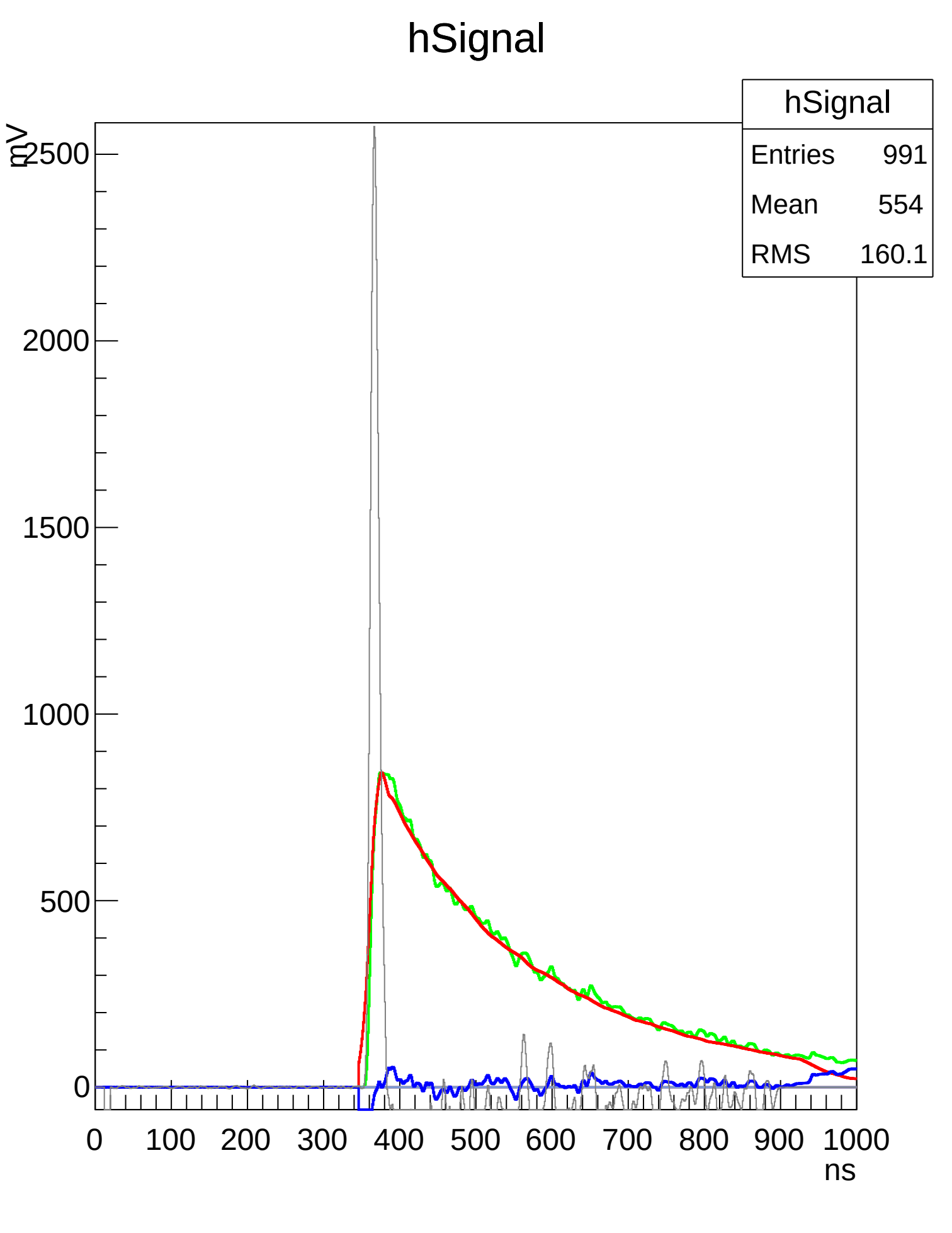
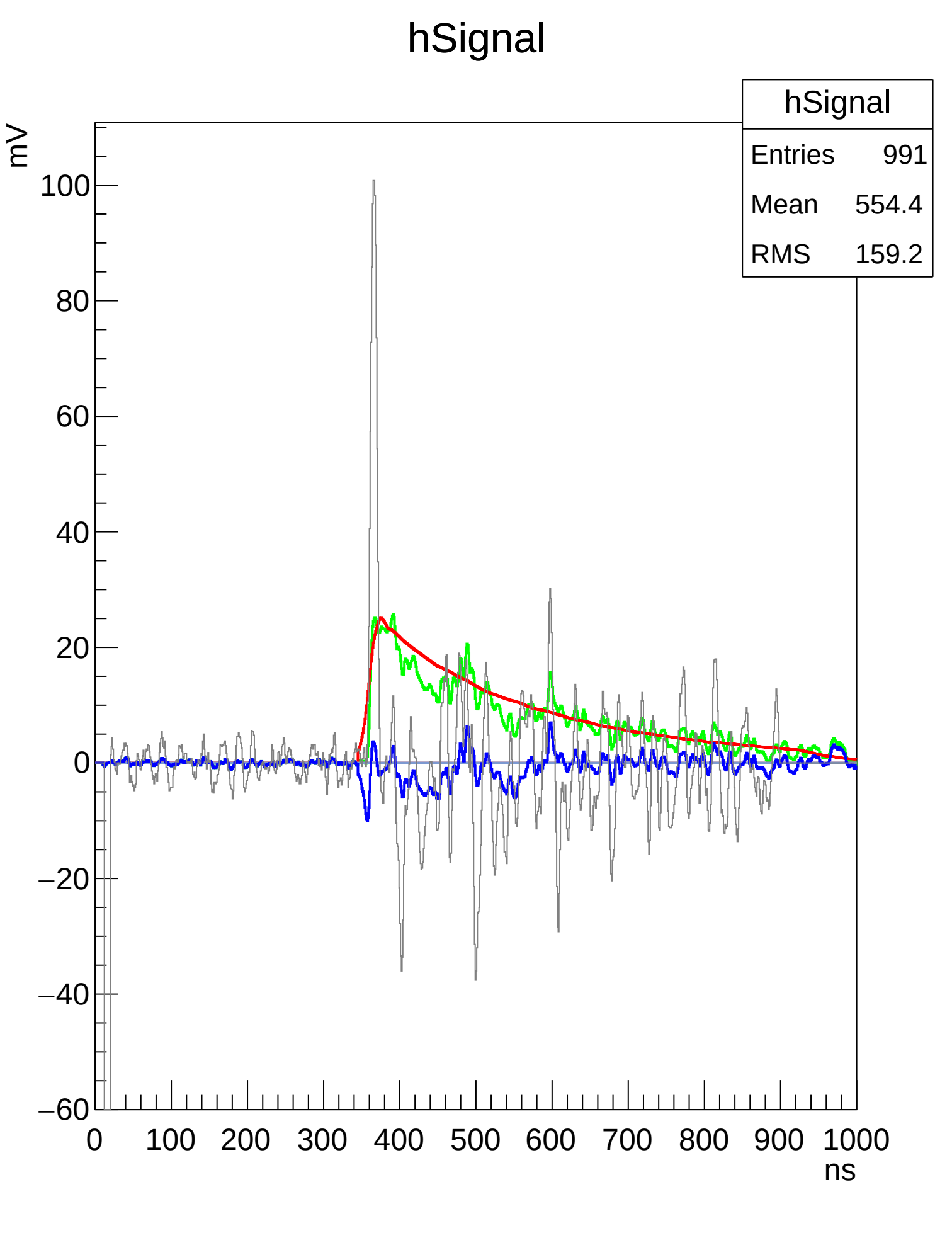
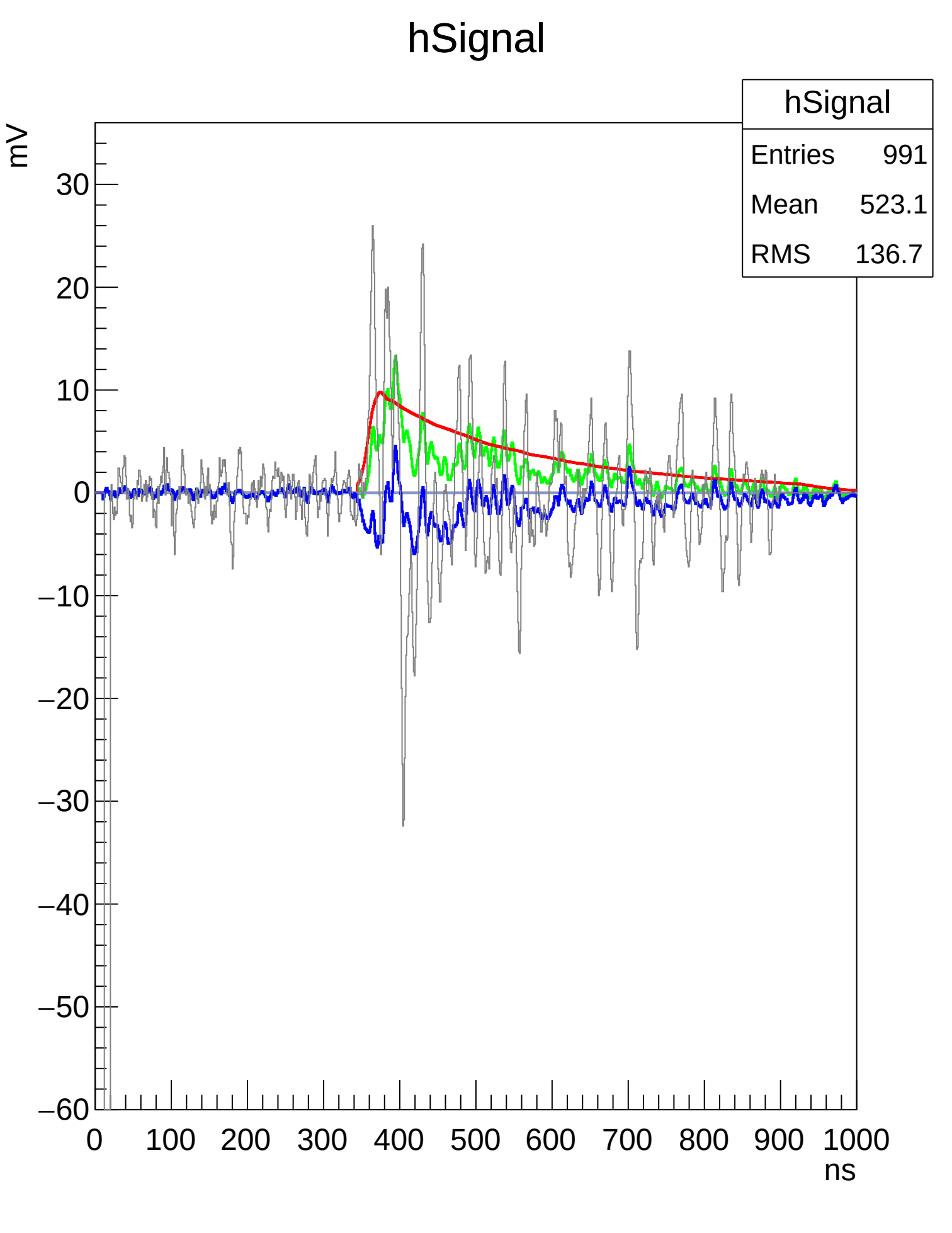
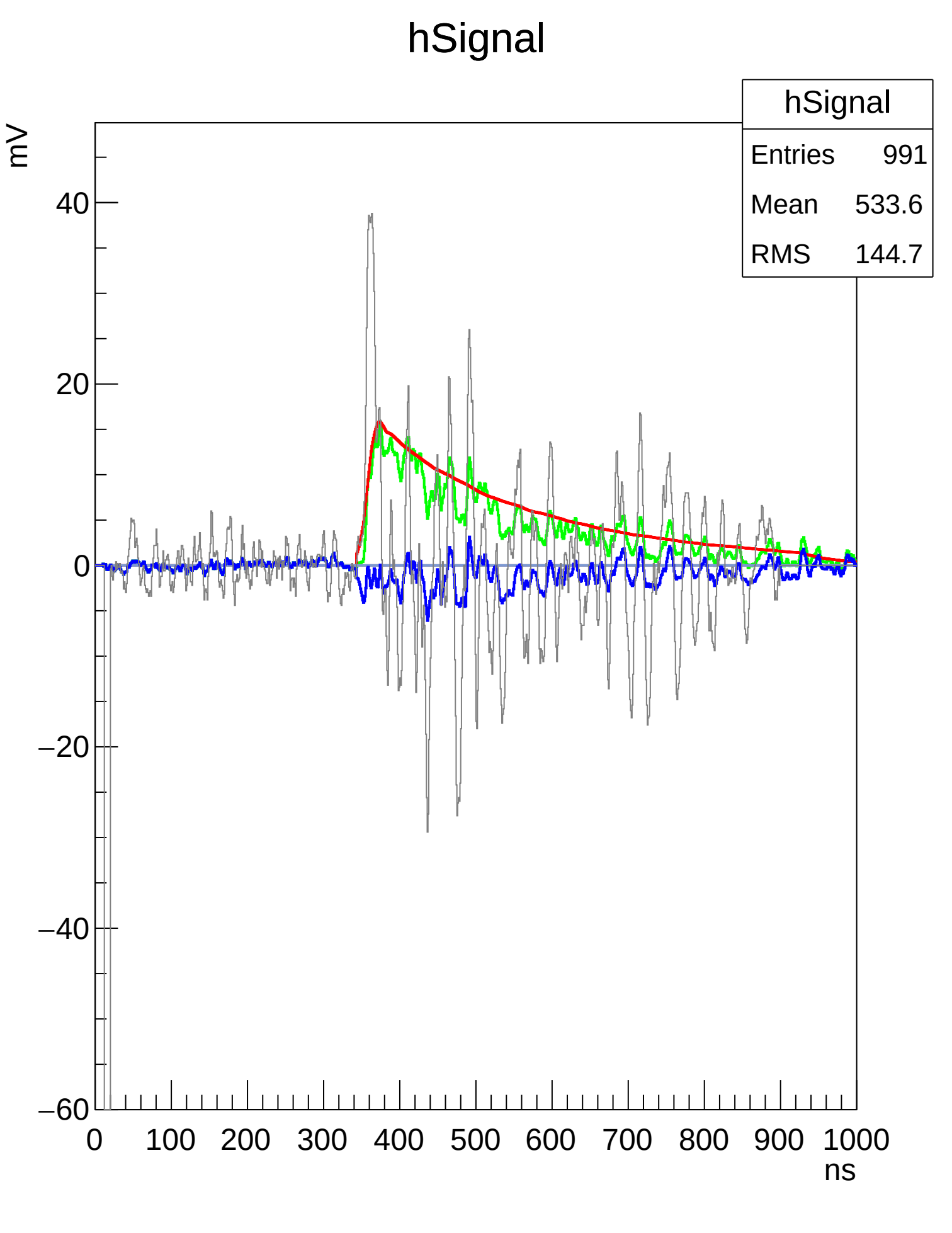

hSignal
hSignal
Entries 991
Mean 554
RMS 160.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 554.4
RMS 159.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.1
RMS 136.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.6
RMS 144.7
mV
40
20
0
−20
−40
−60
0
100
200
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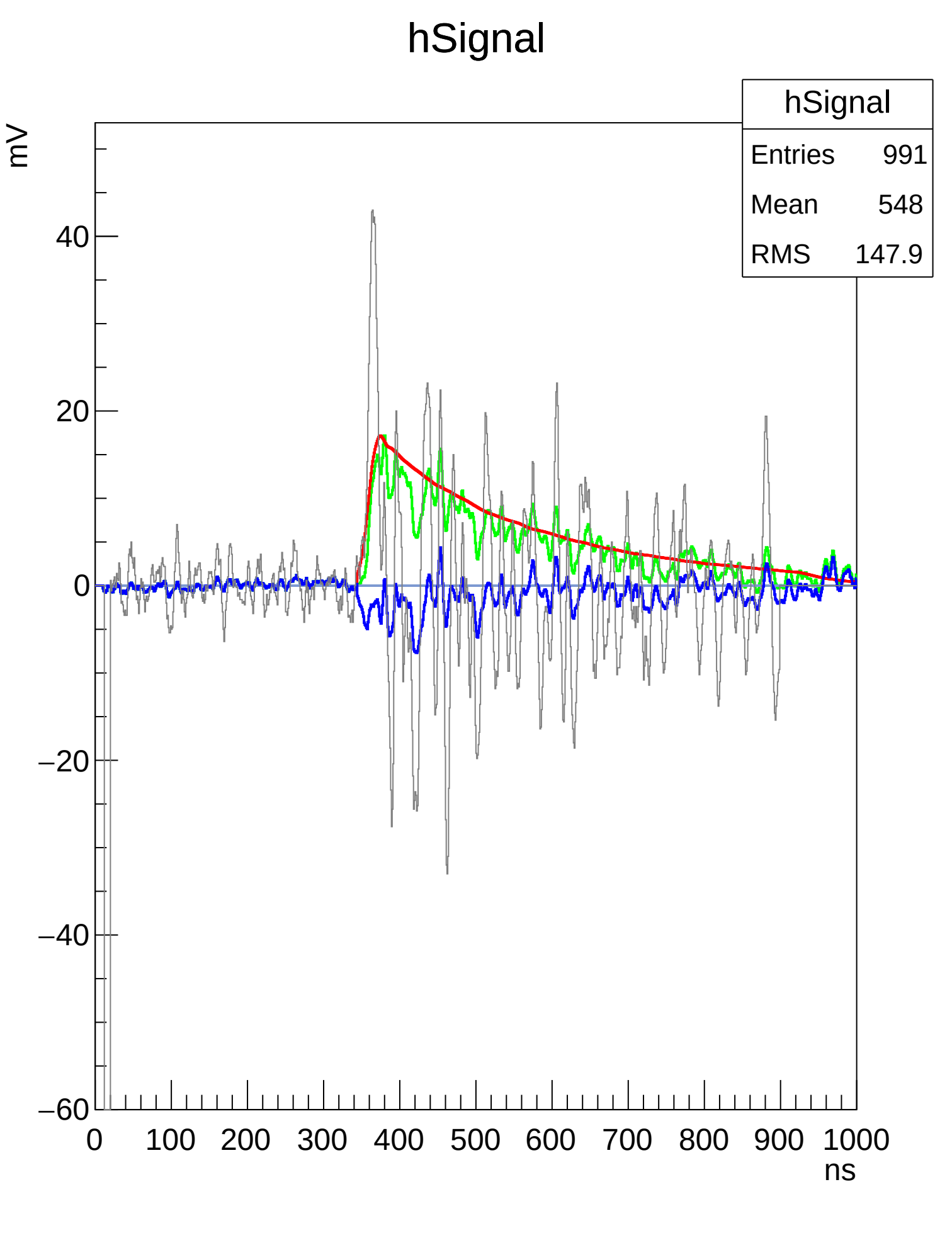
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548
RMS 147.9
mV
40
20
0
−20
−40
−60
0
100
200
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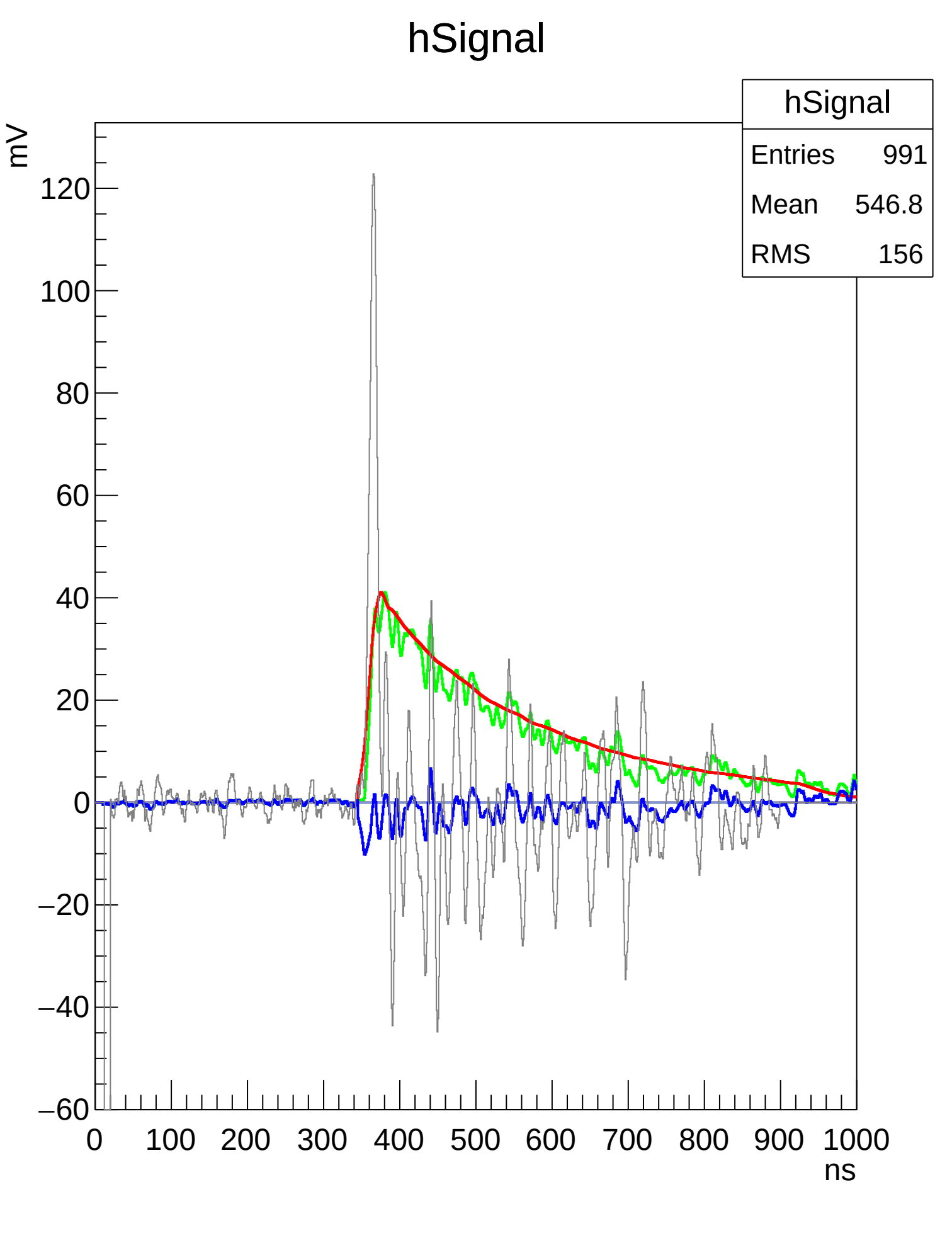
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.8
RMS 156
mV
120
100
80
60
40
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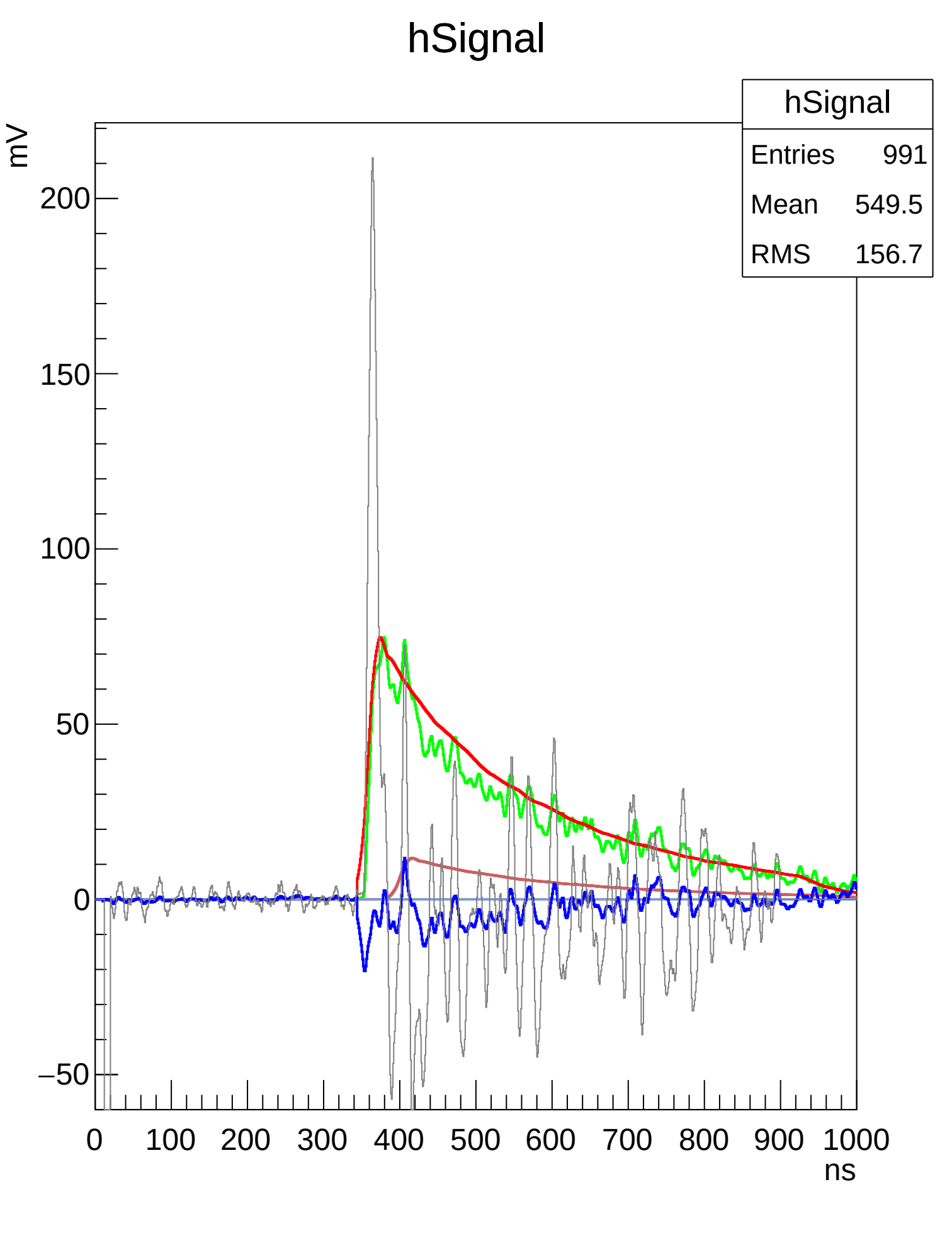
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.5
RMS 156.7
mV
200
150
100
50
0
−50
0
100
200
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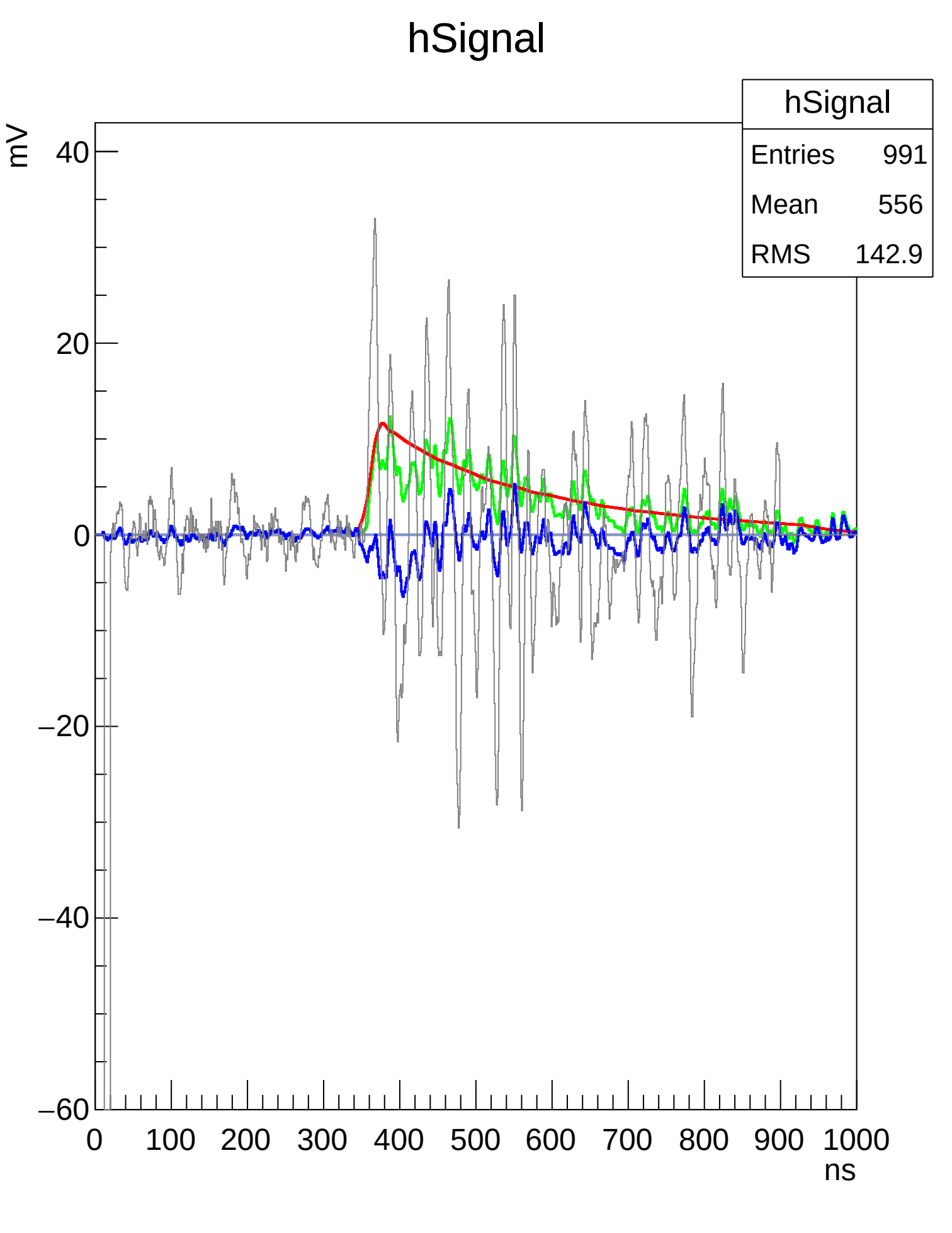
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556
RMS 142.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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600
700
800
900
1000
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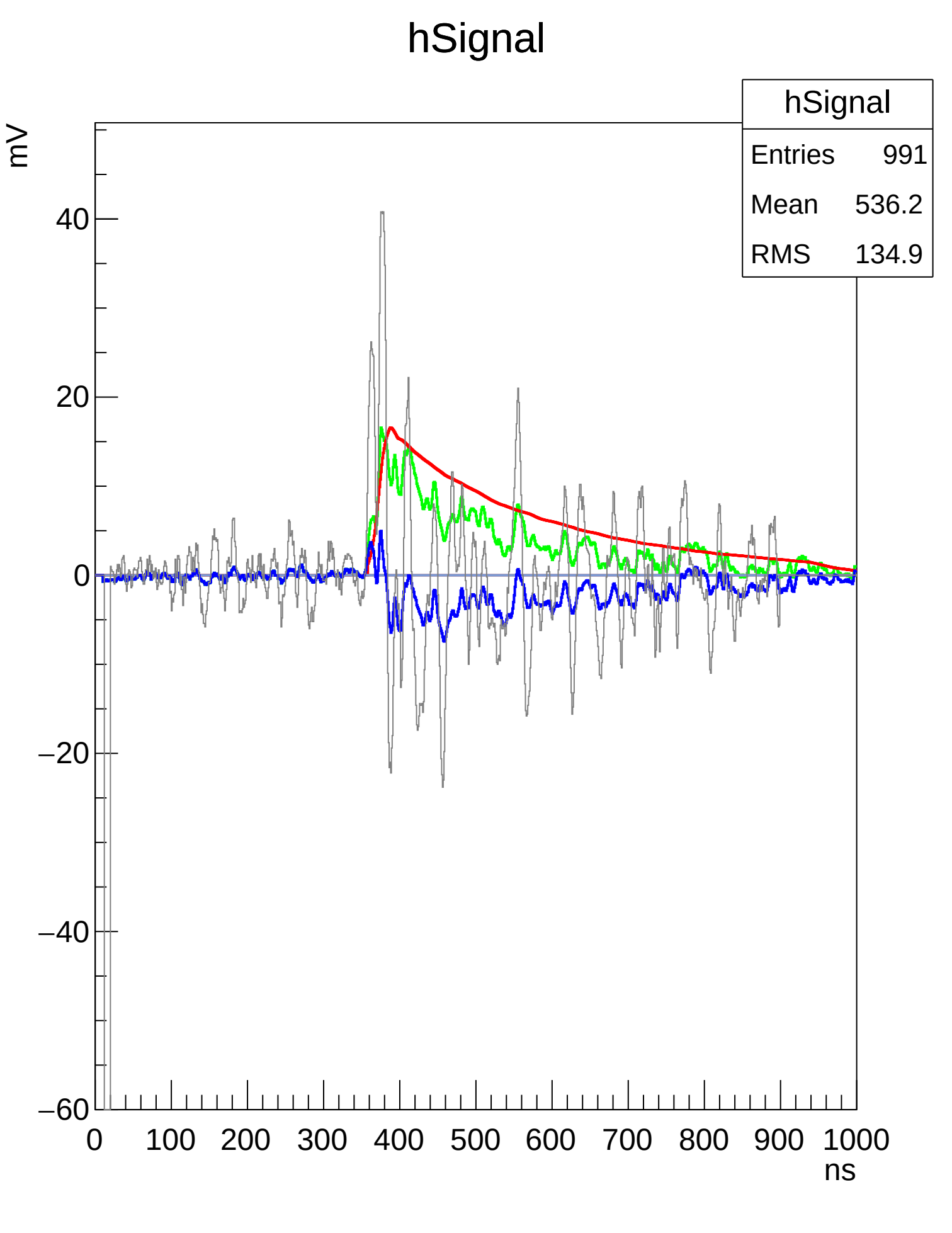
hSignal
hSignal
Entries 991
Mean 536.2
RMS 134.9
mV
40
20
0
−20
−40
−60
0
100
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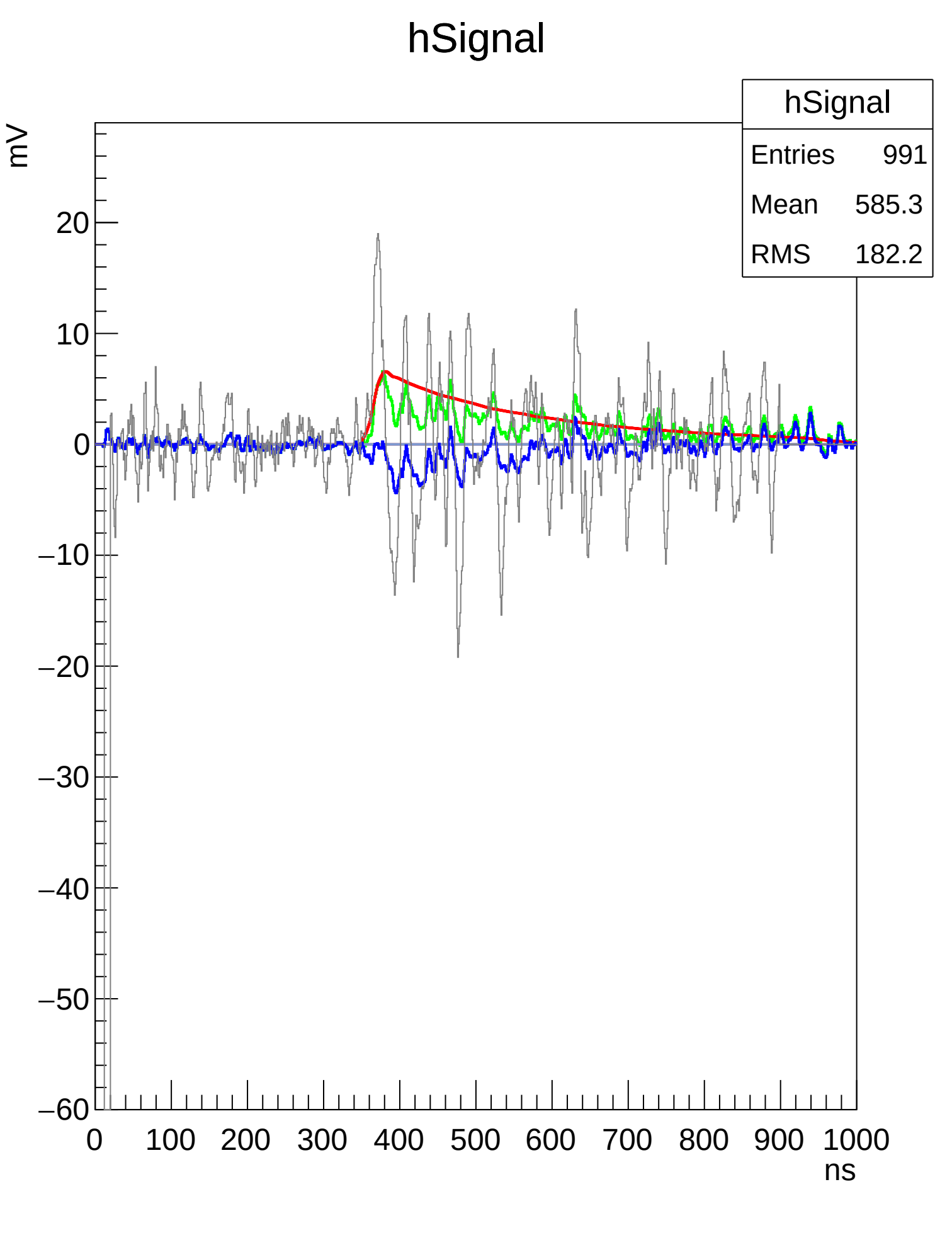
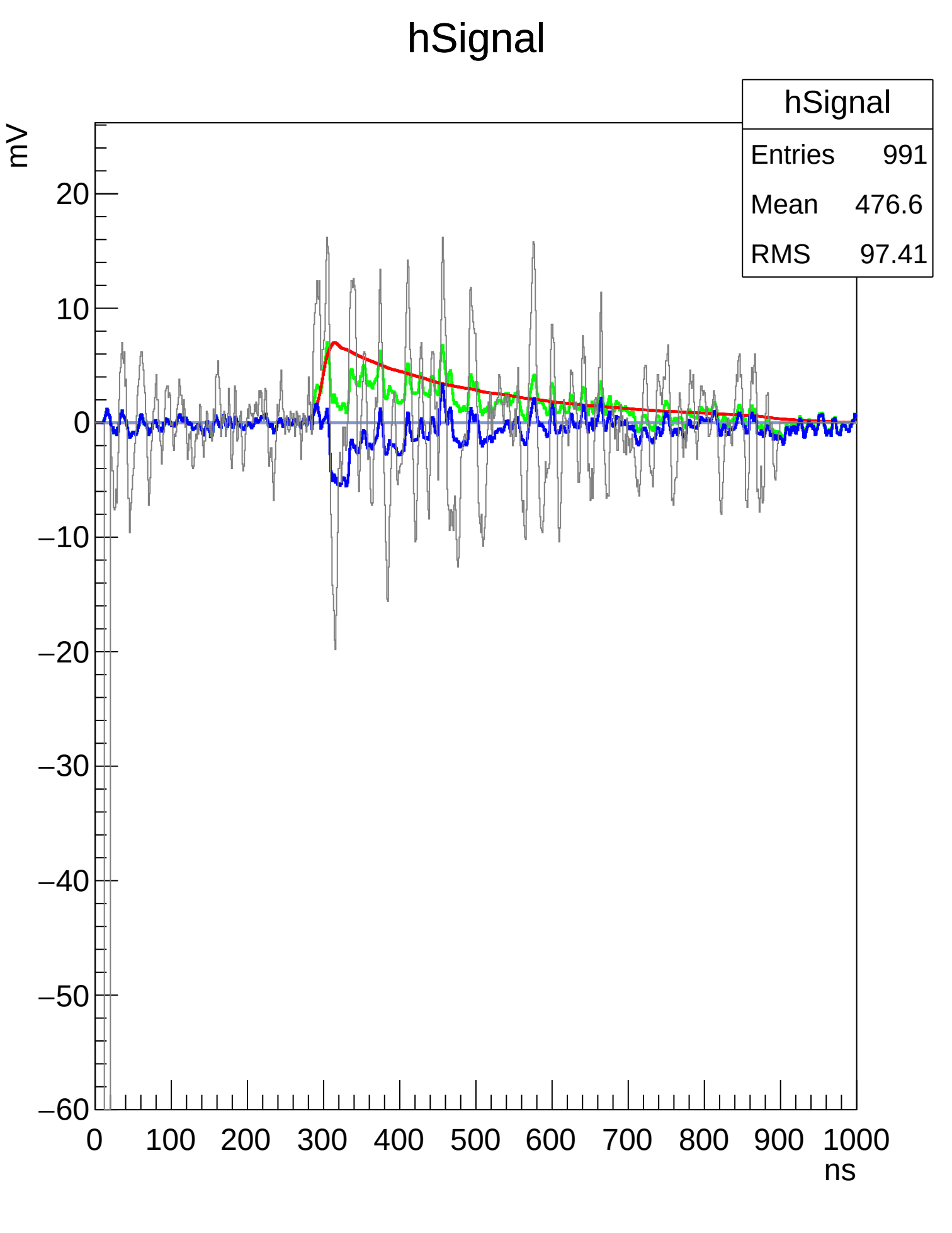
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 182.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 476.6
RMS 97.41
mV
20
10
0
−10
−20
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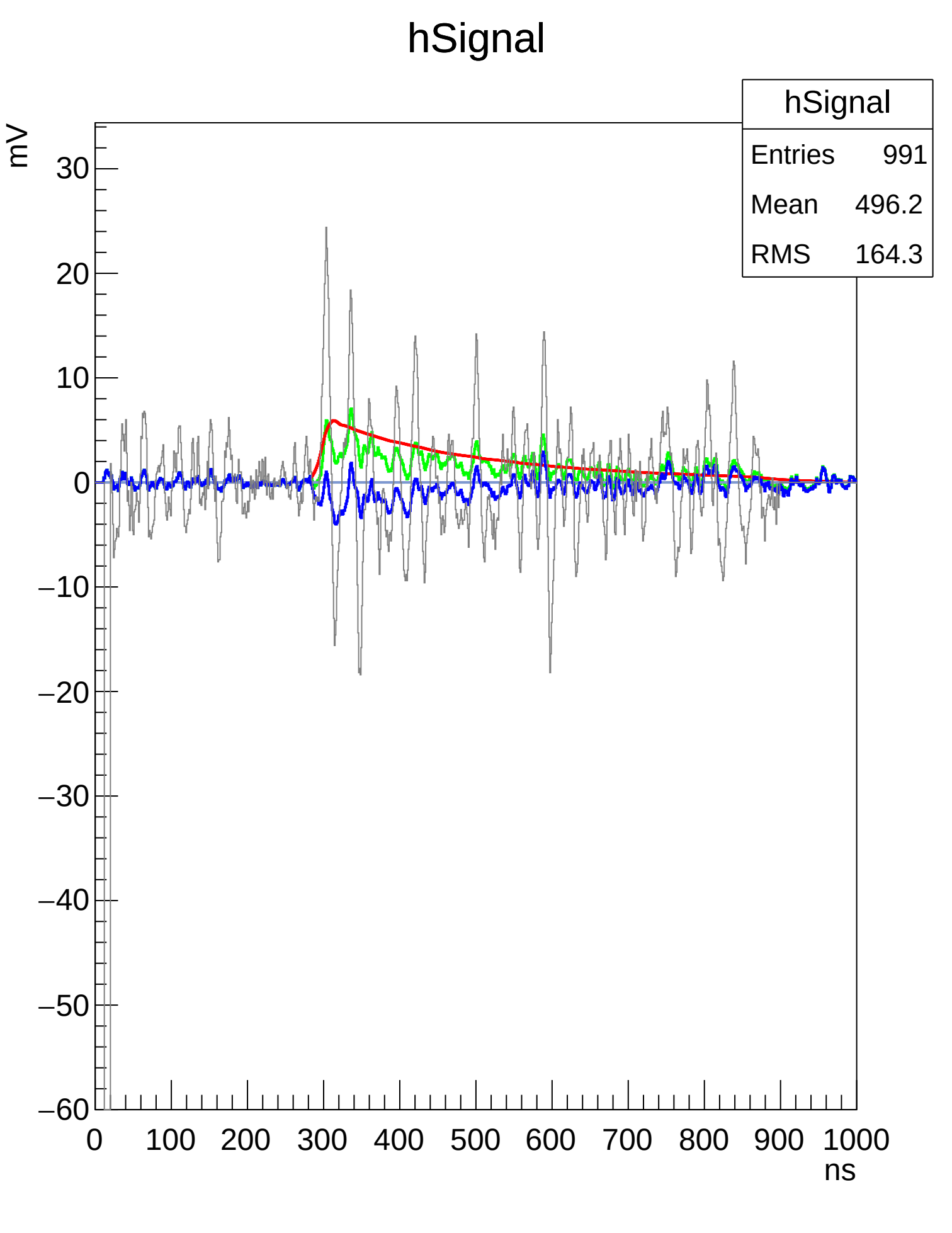
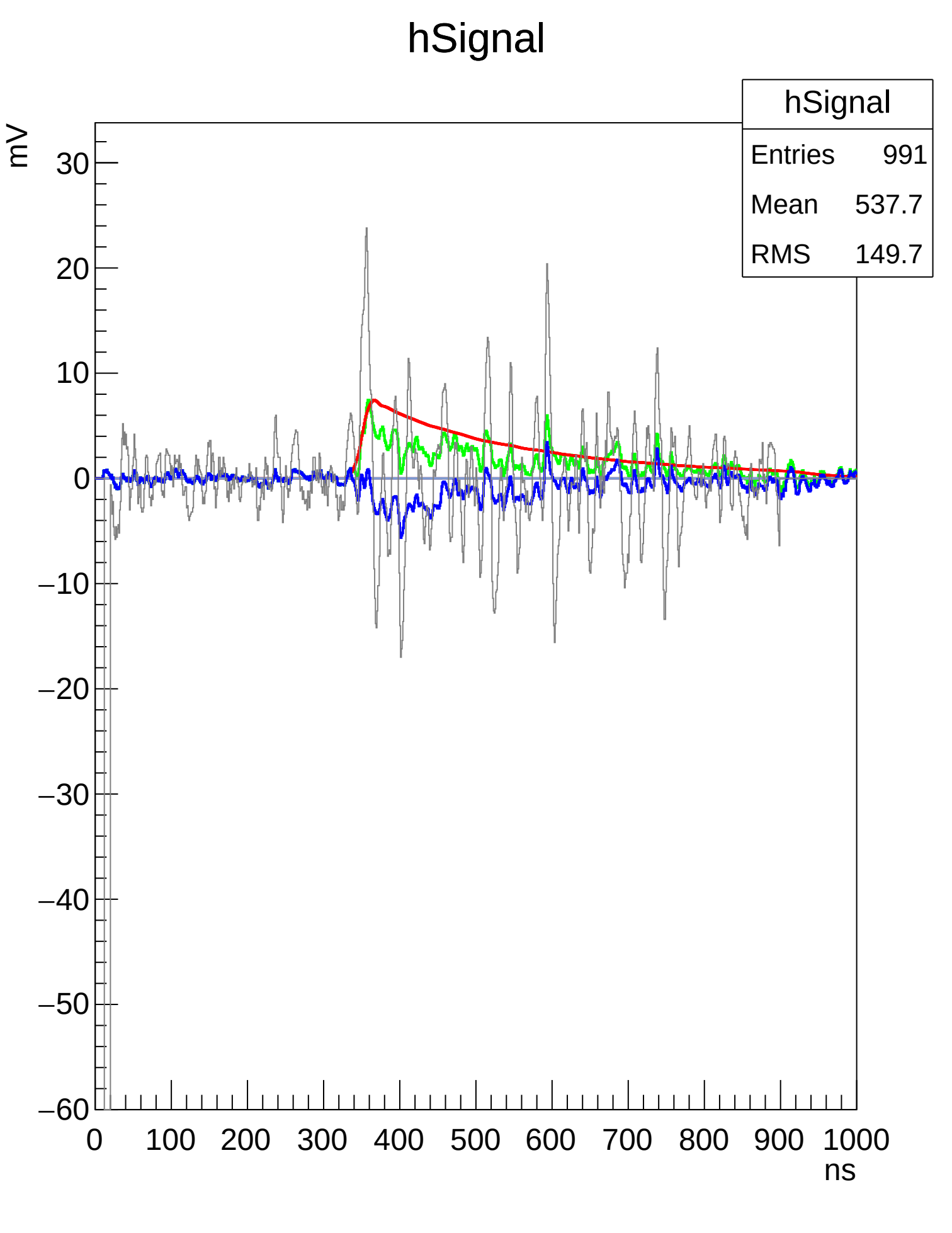
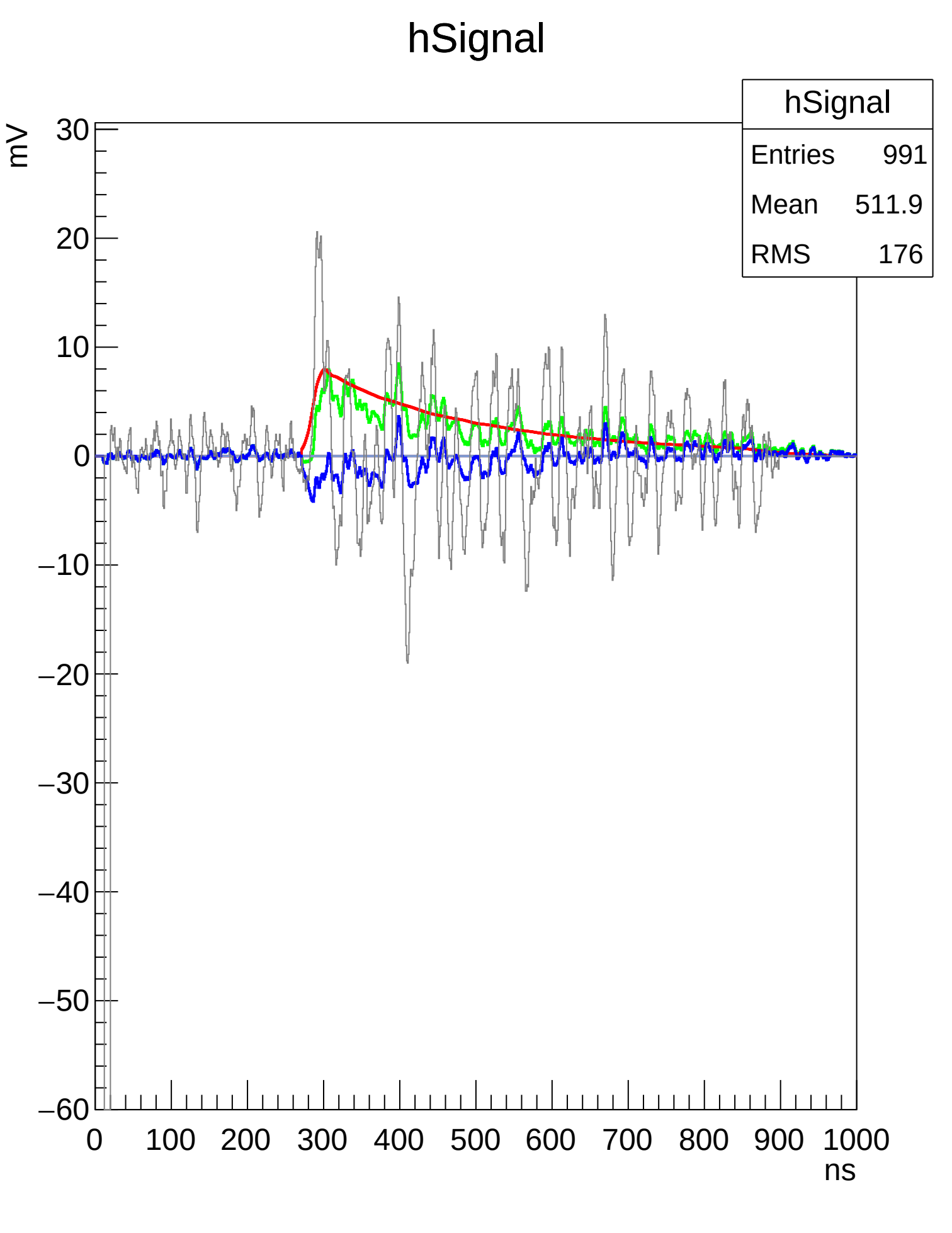
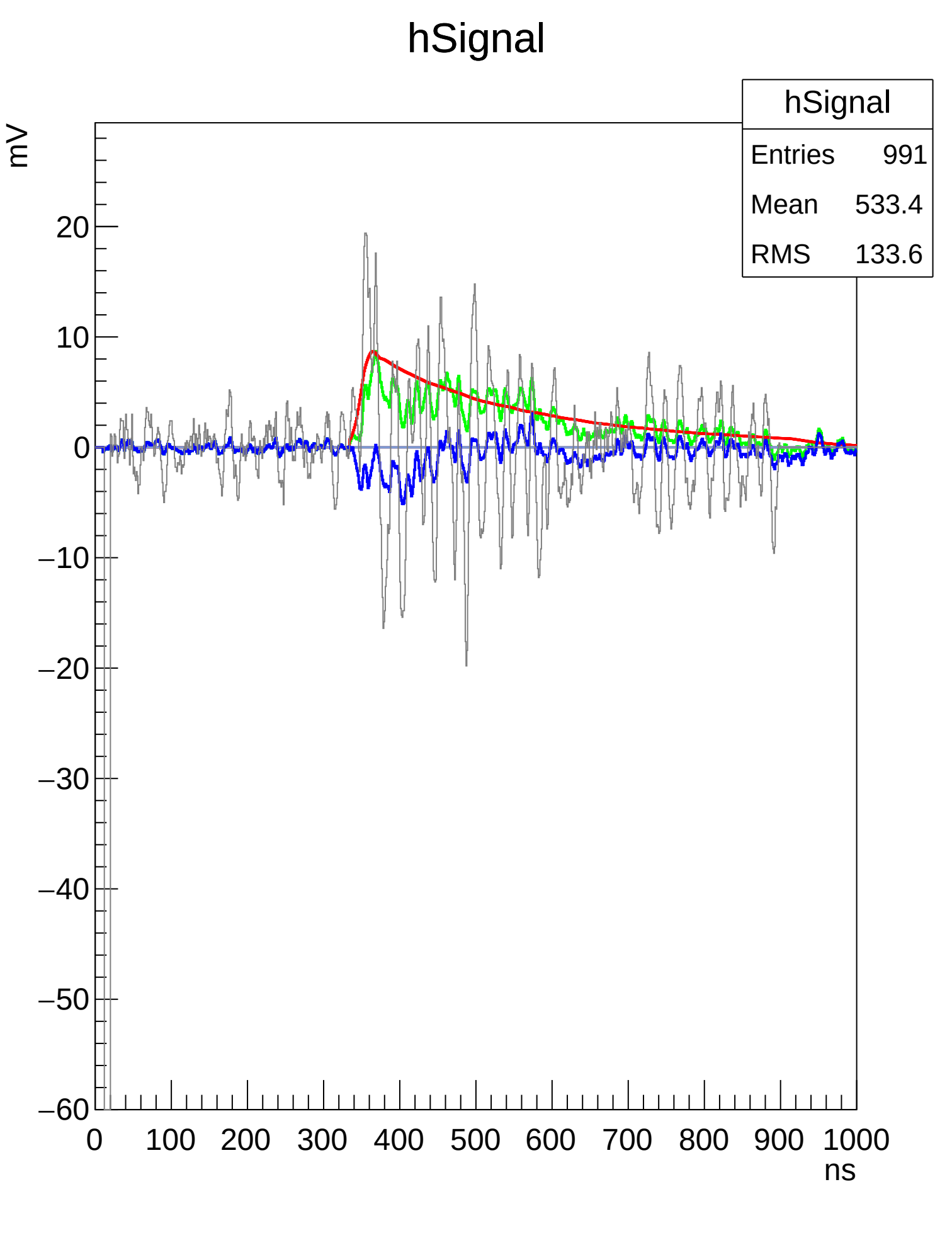
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 496.2
RMS 164.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.7
RMS 149.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.9
RMS 176
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.4
RMS 133.6
mV
20
10
0
−10
−20
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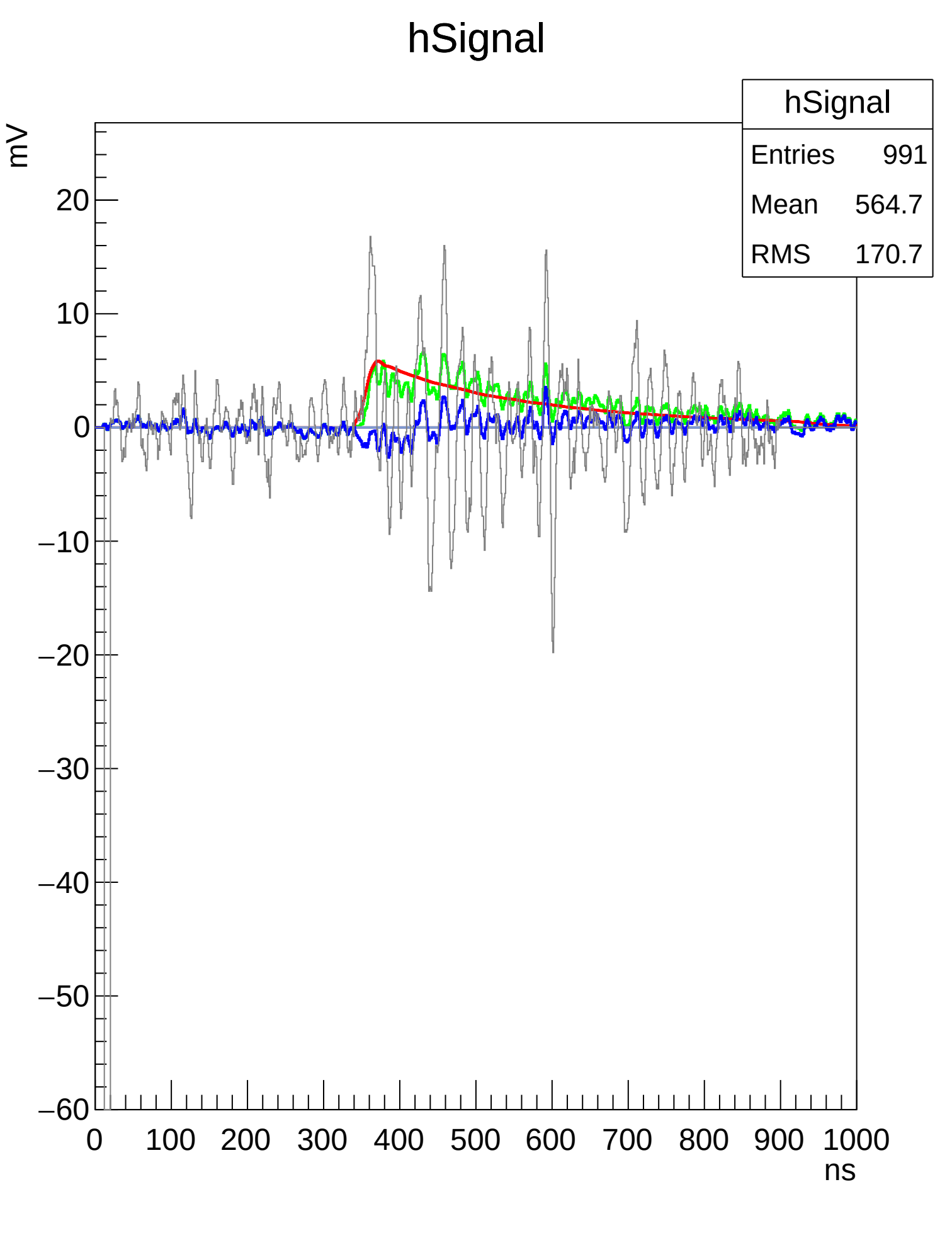
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.7
RMS 170.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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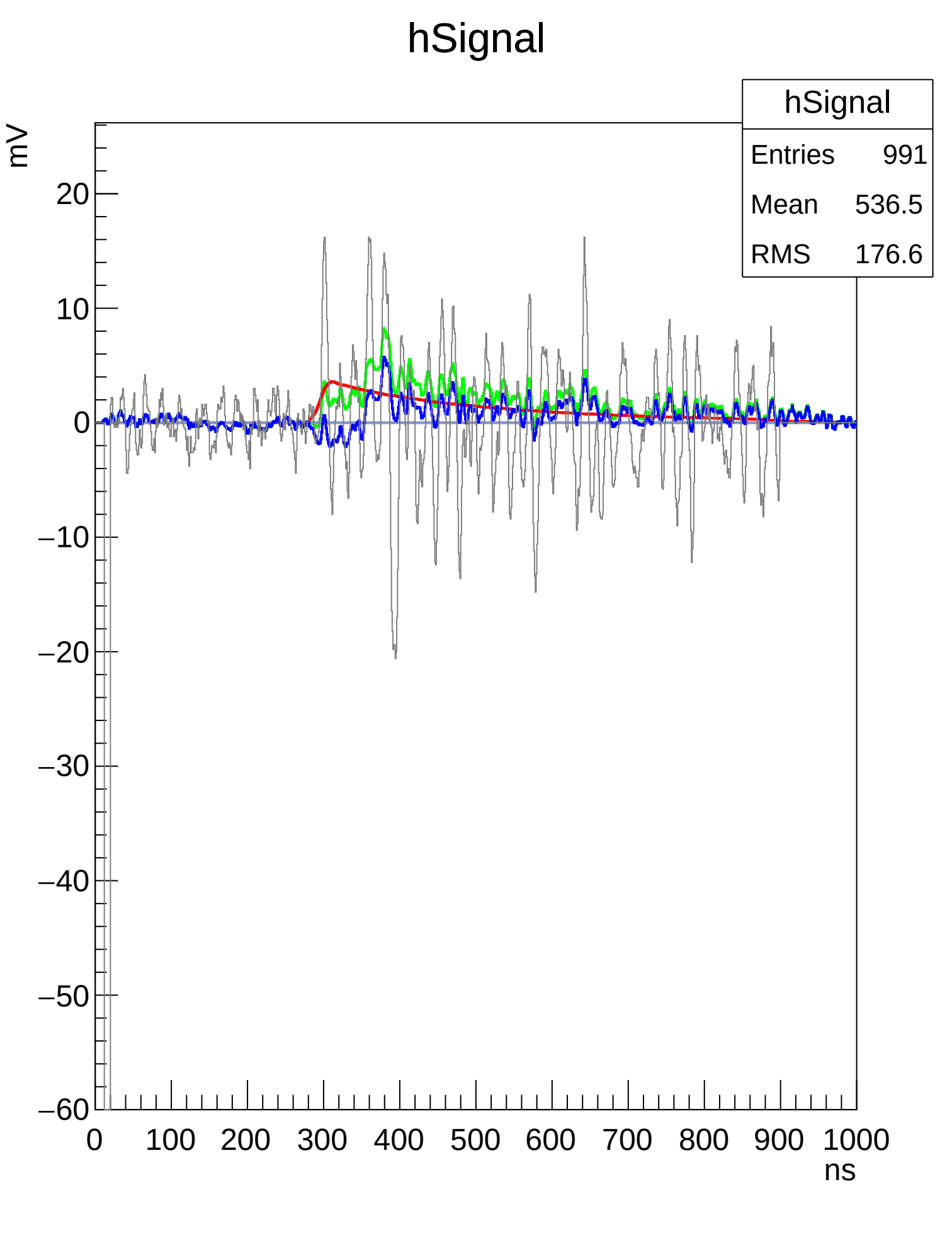
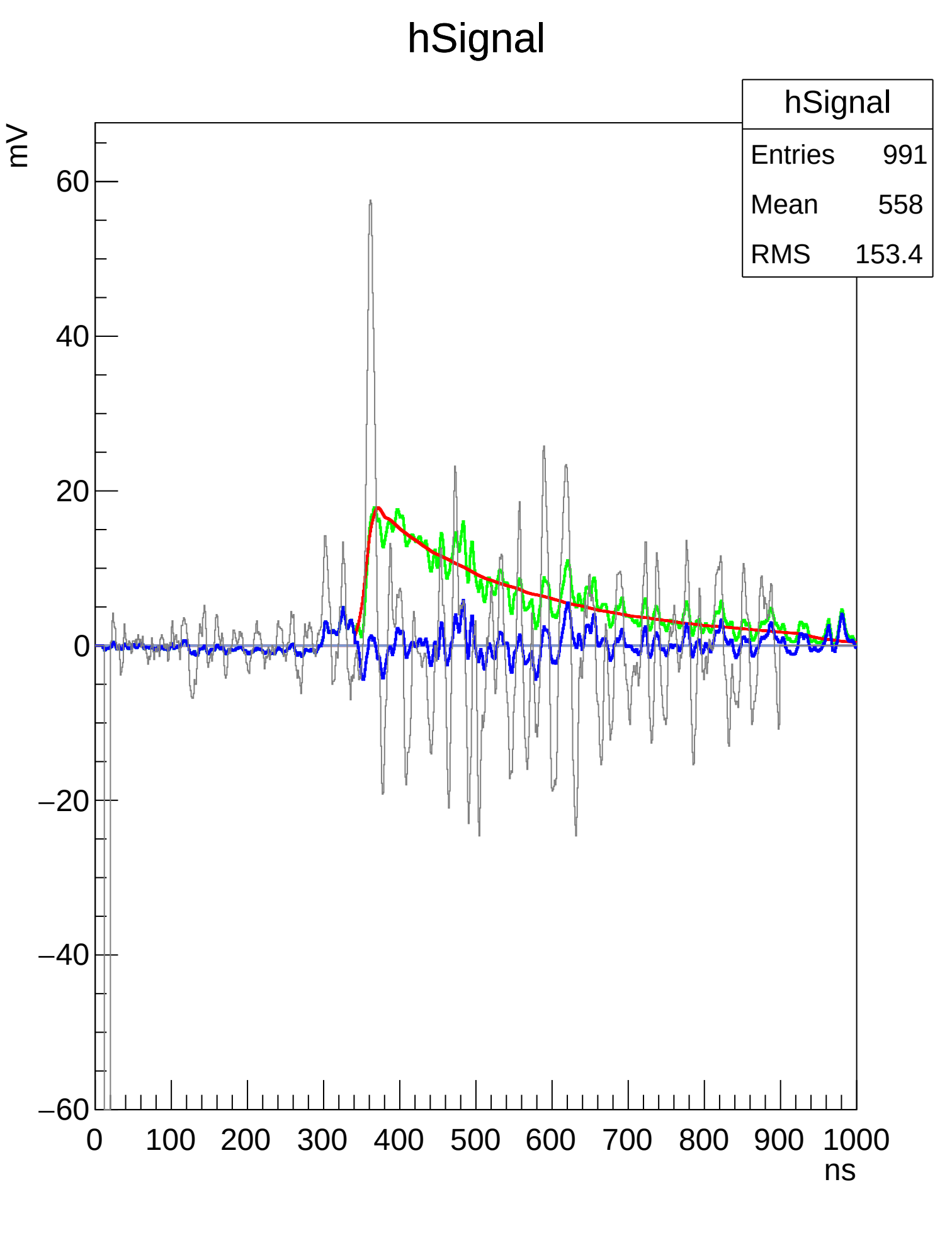
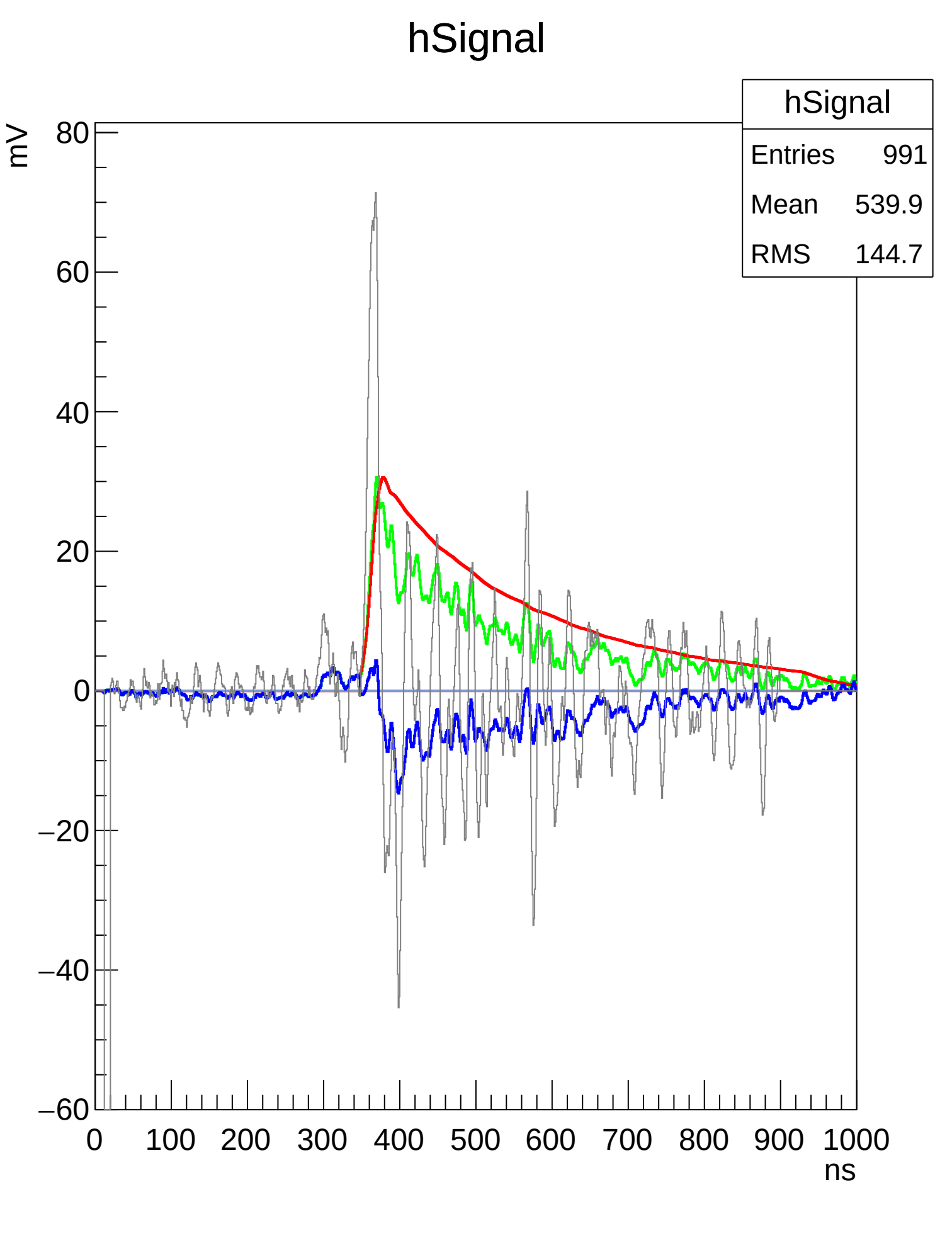
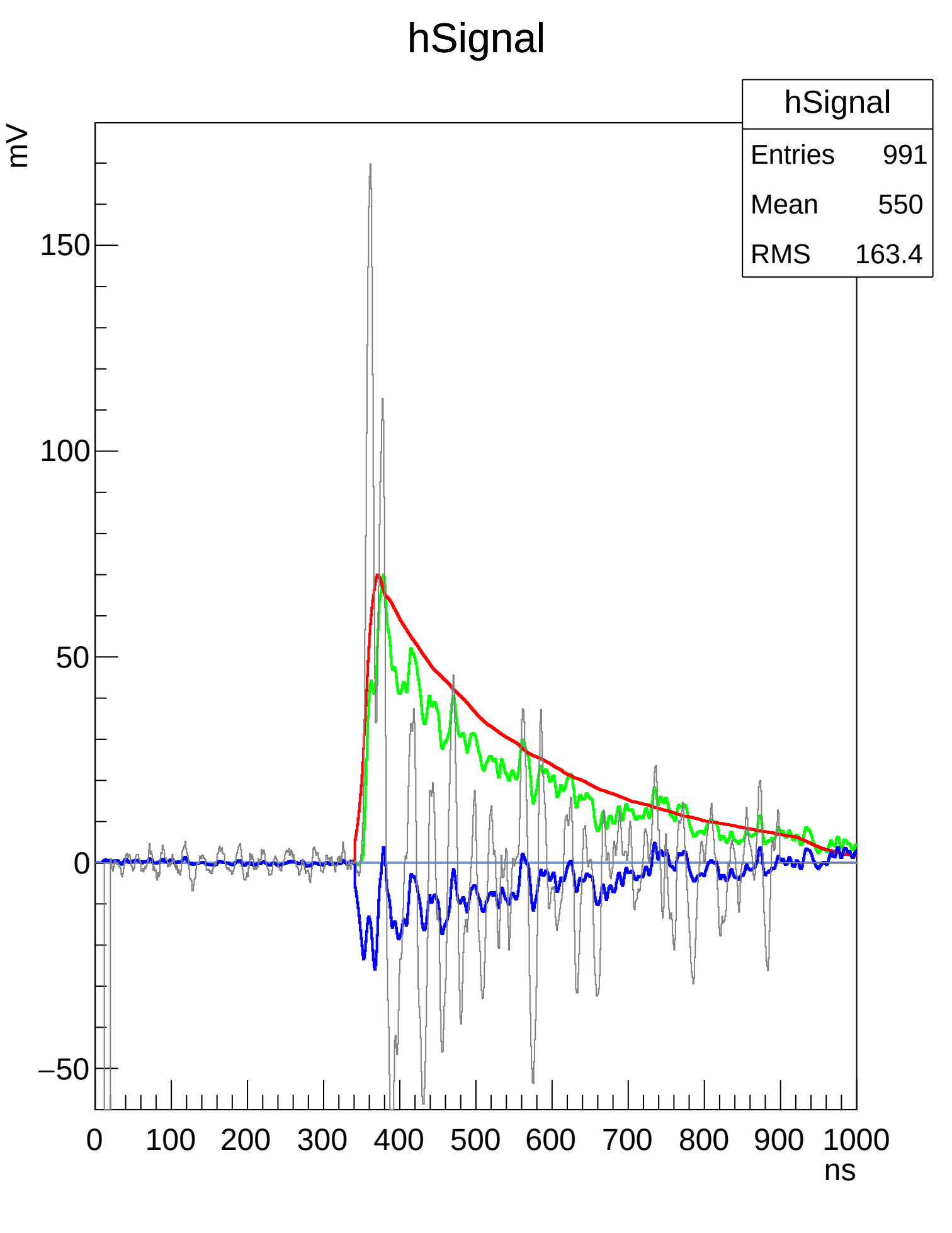
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.5
RMS 176.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 153.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.9
RMS 144.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550
RMS 163.4
mV
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100
50
0
−50
0
100
200
300
400
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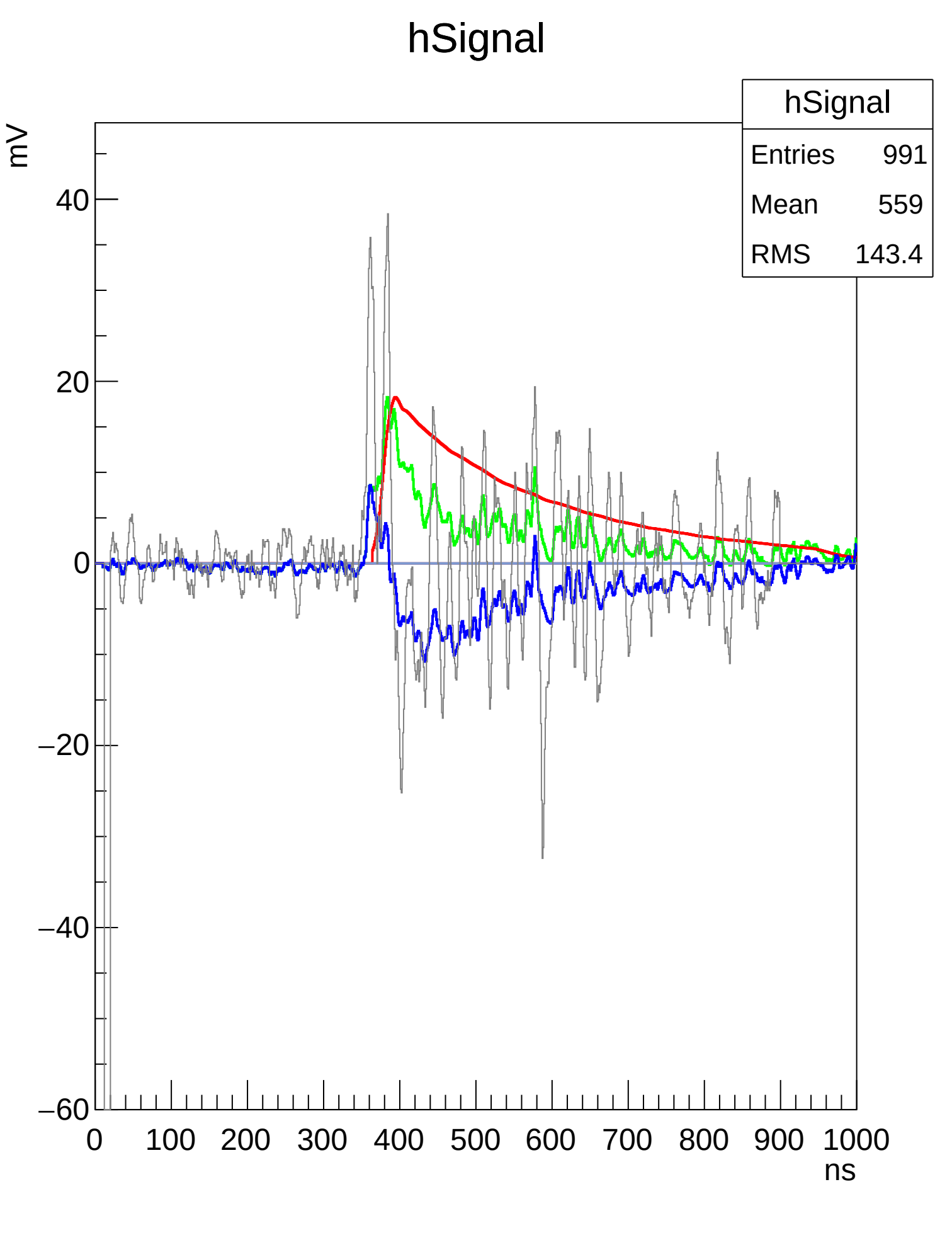
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559
RMS 143.4
mV
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0
−20
−40
−60
0
100
200
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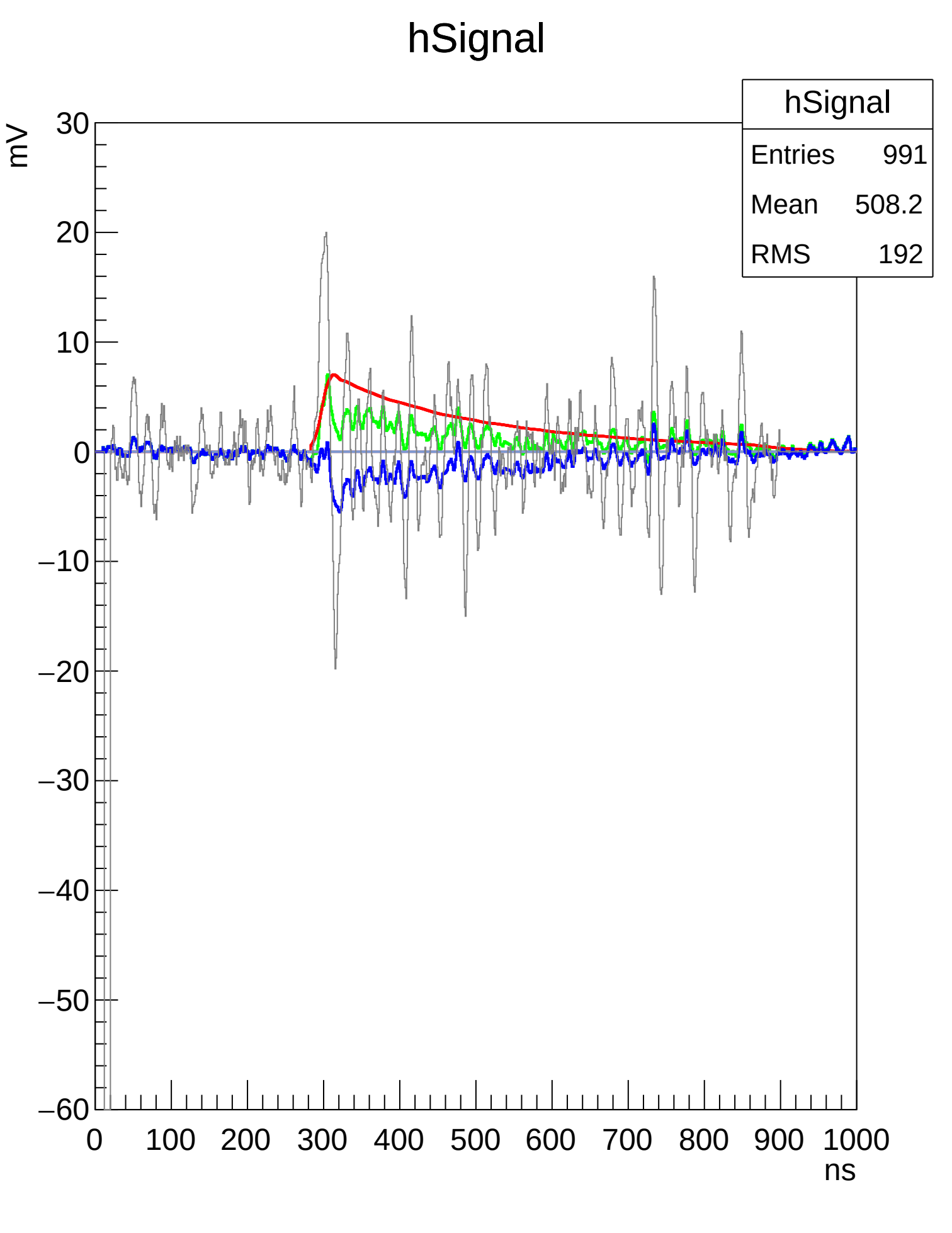
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 508.2
RMS 192
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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600
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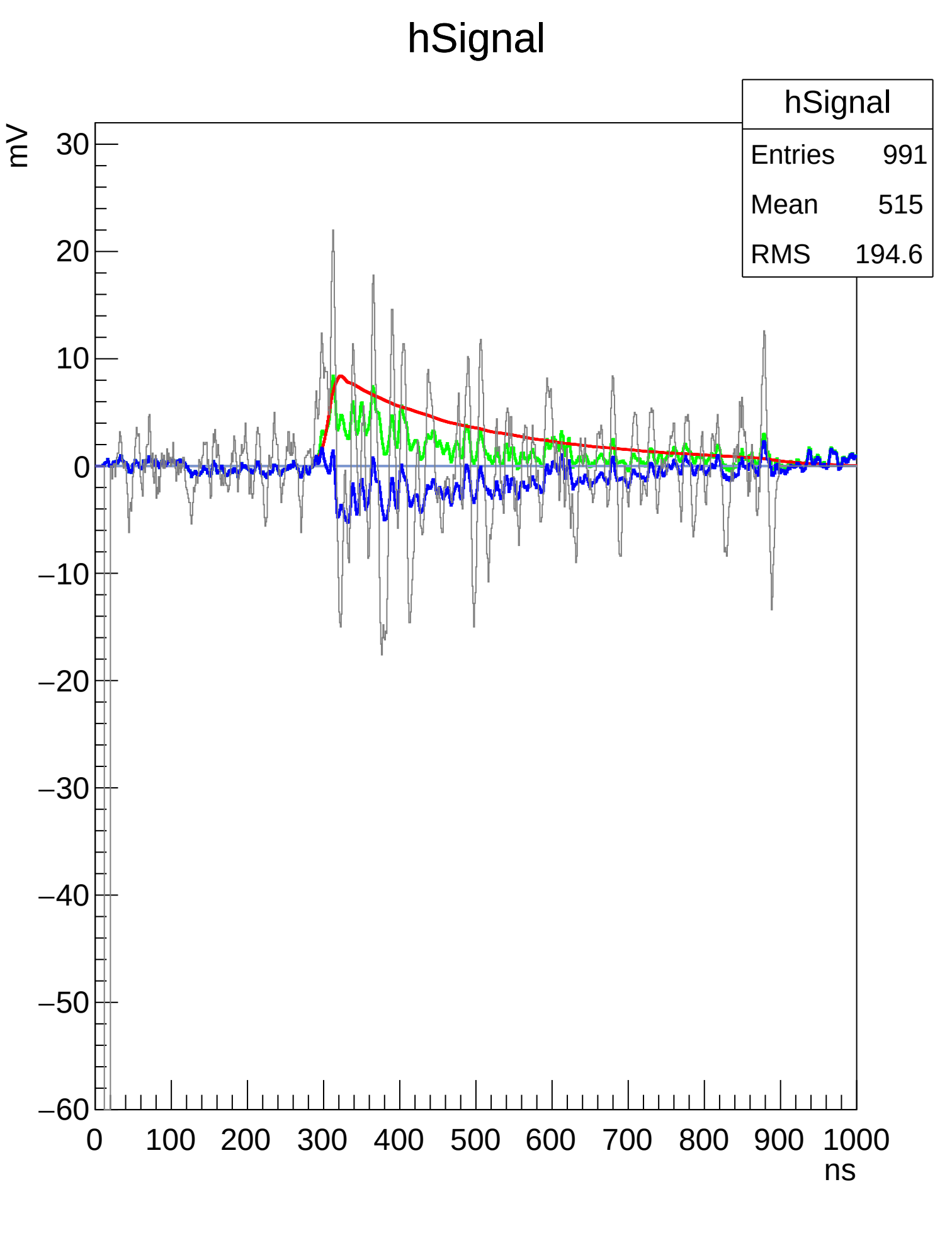
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515
RMS 194.6
mV
30
20
10
0
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0
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400
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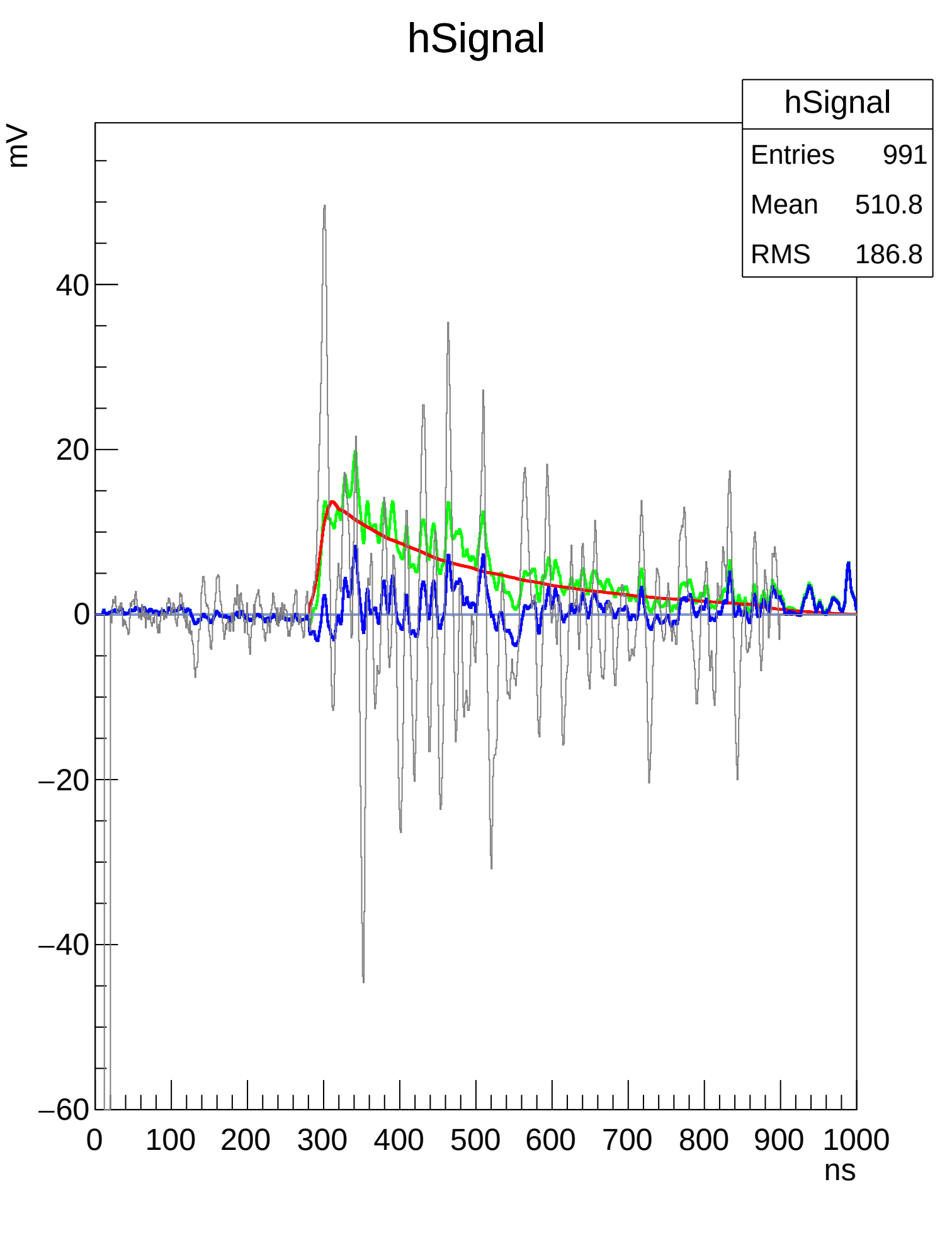
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.8
RMS 186.8
mV
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−20
−40
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0
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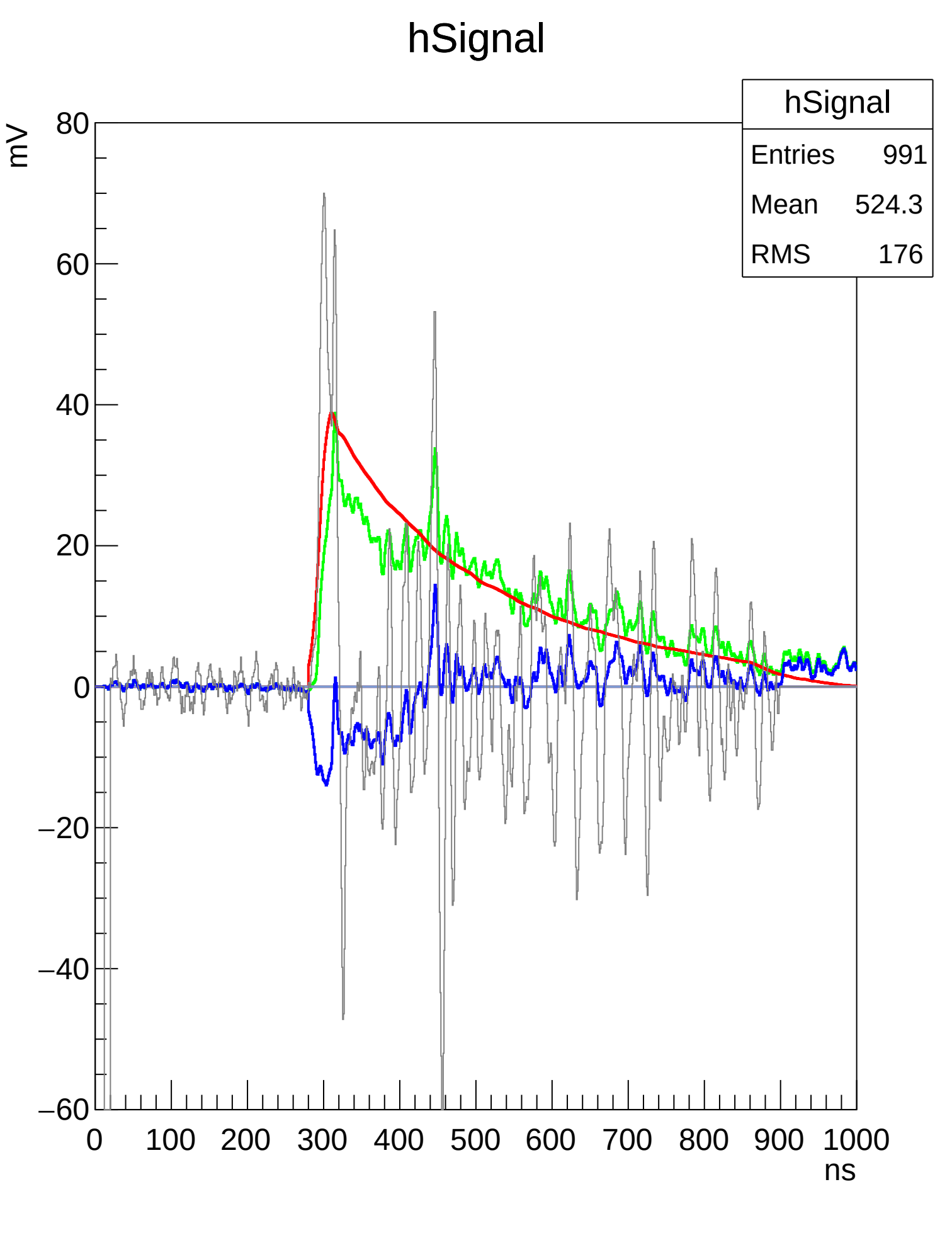
ns


hSignal
hSignal
Entries 991
Mean 524.3
RMS 176
mV
80
60
40
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0
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400
500
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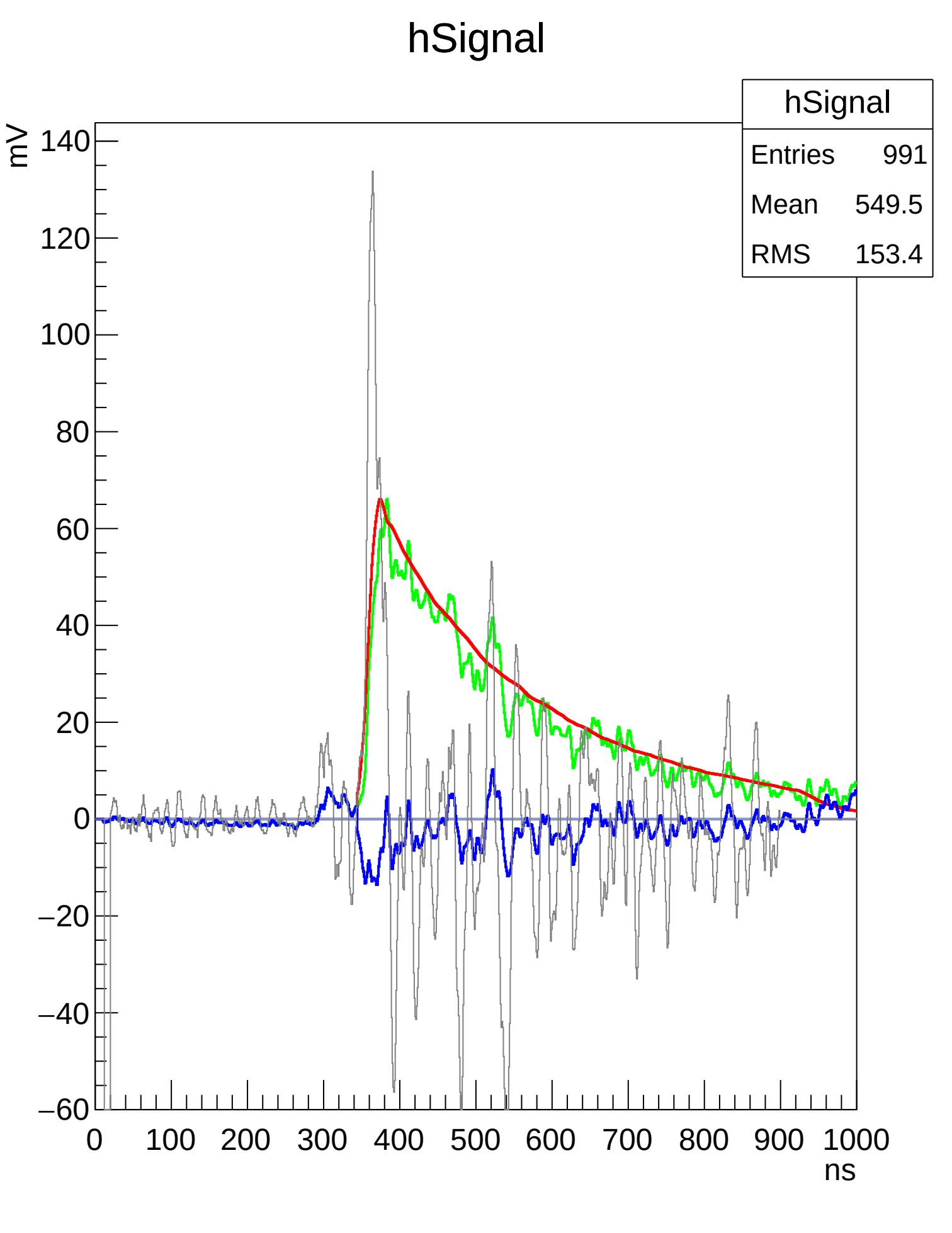
1000
ns


hSignal
hSignal
Entries 991
Mean 549.5
RMS 153.4
mV
140
120
100
80
60
40
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0
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200
300
400
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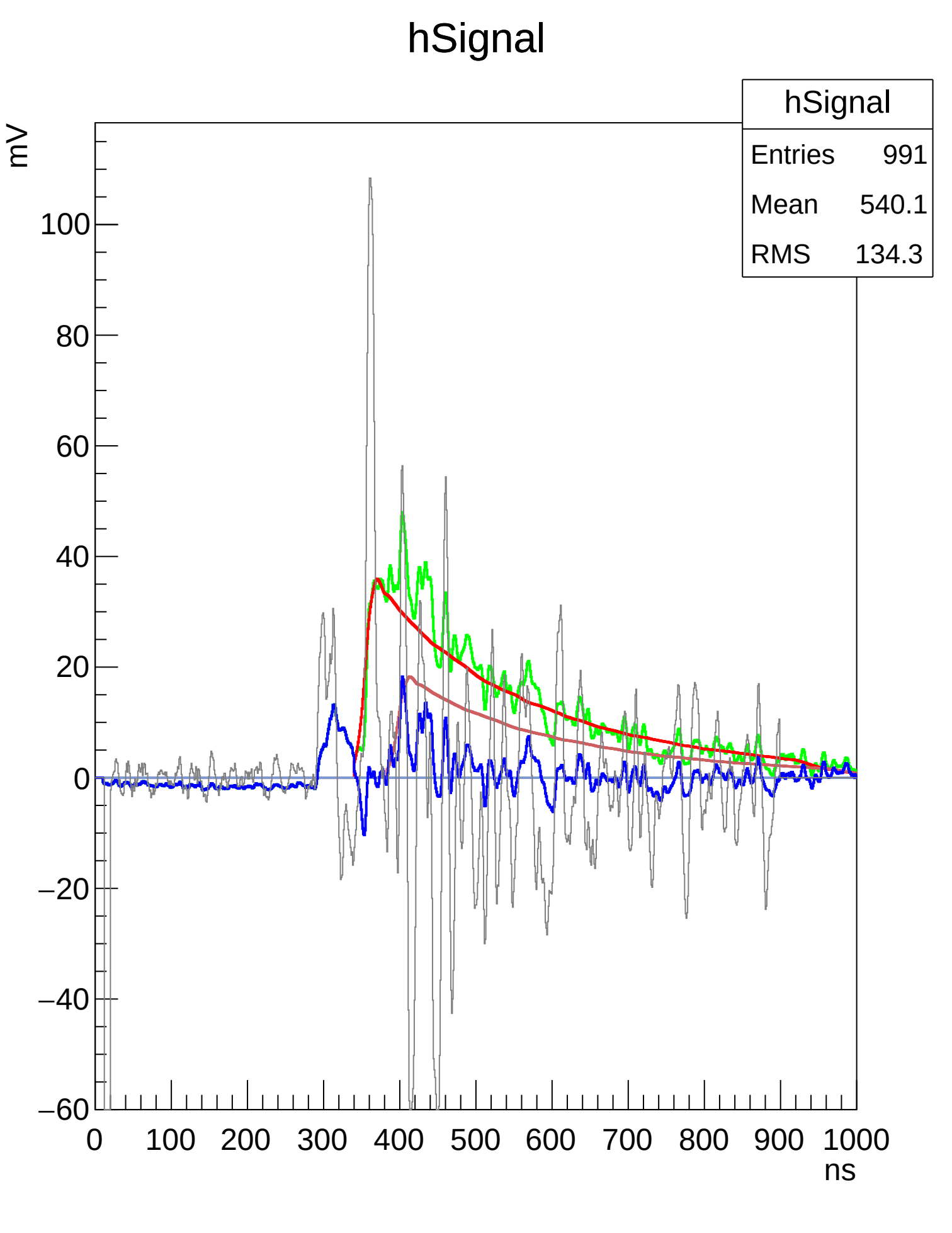
ns


hSignal
hSignal
Entries 991
Mean 540.1
RMS 134.3
mV
100
80
60
40
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0
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200
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400
500
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700
800
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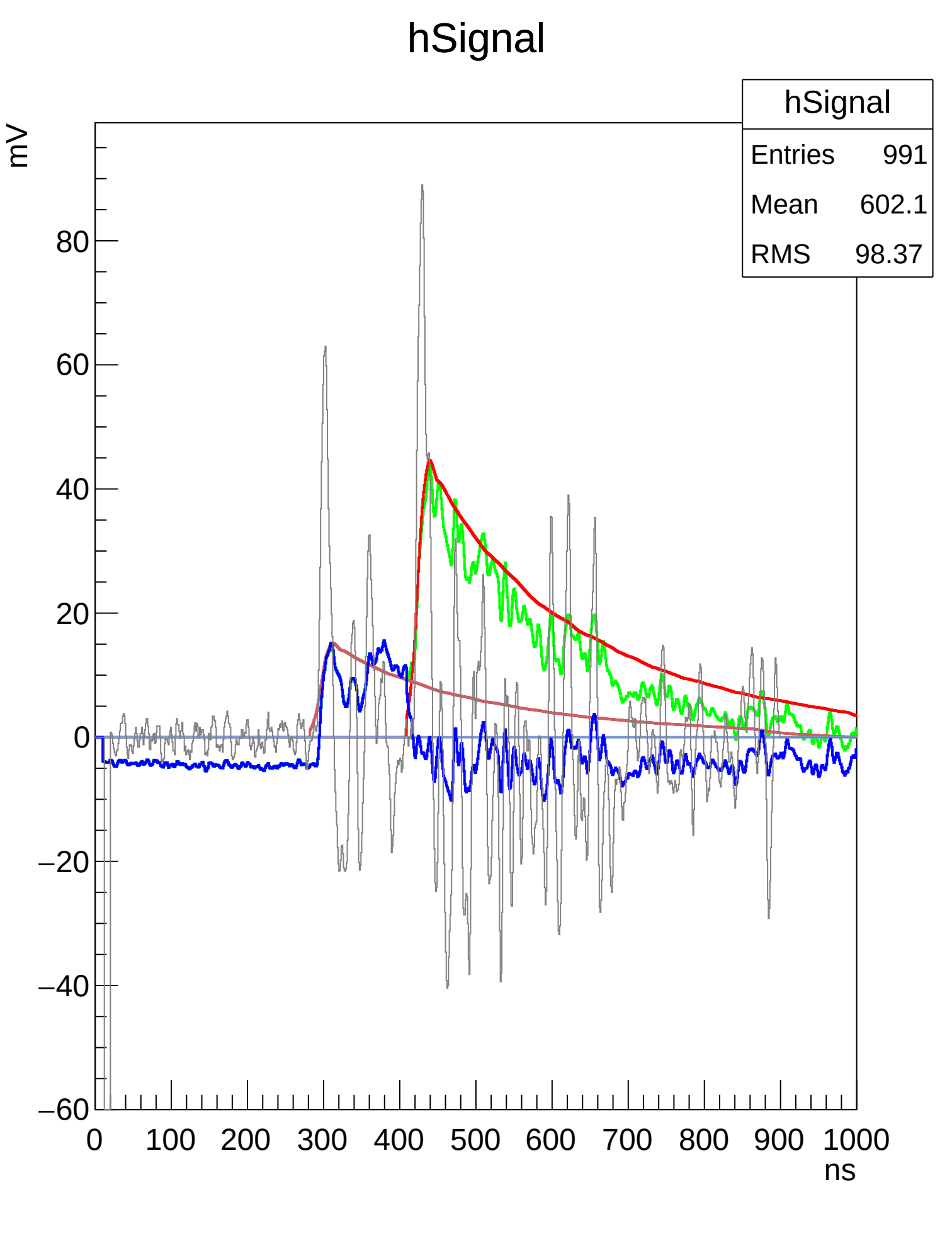
1000
ns


hSignal
hSignal
Entries 991
Mean 602.1
RMS 98.37
mV
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600
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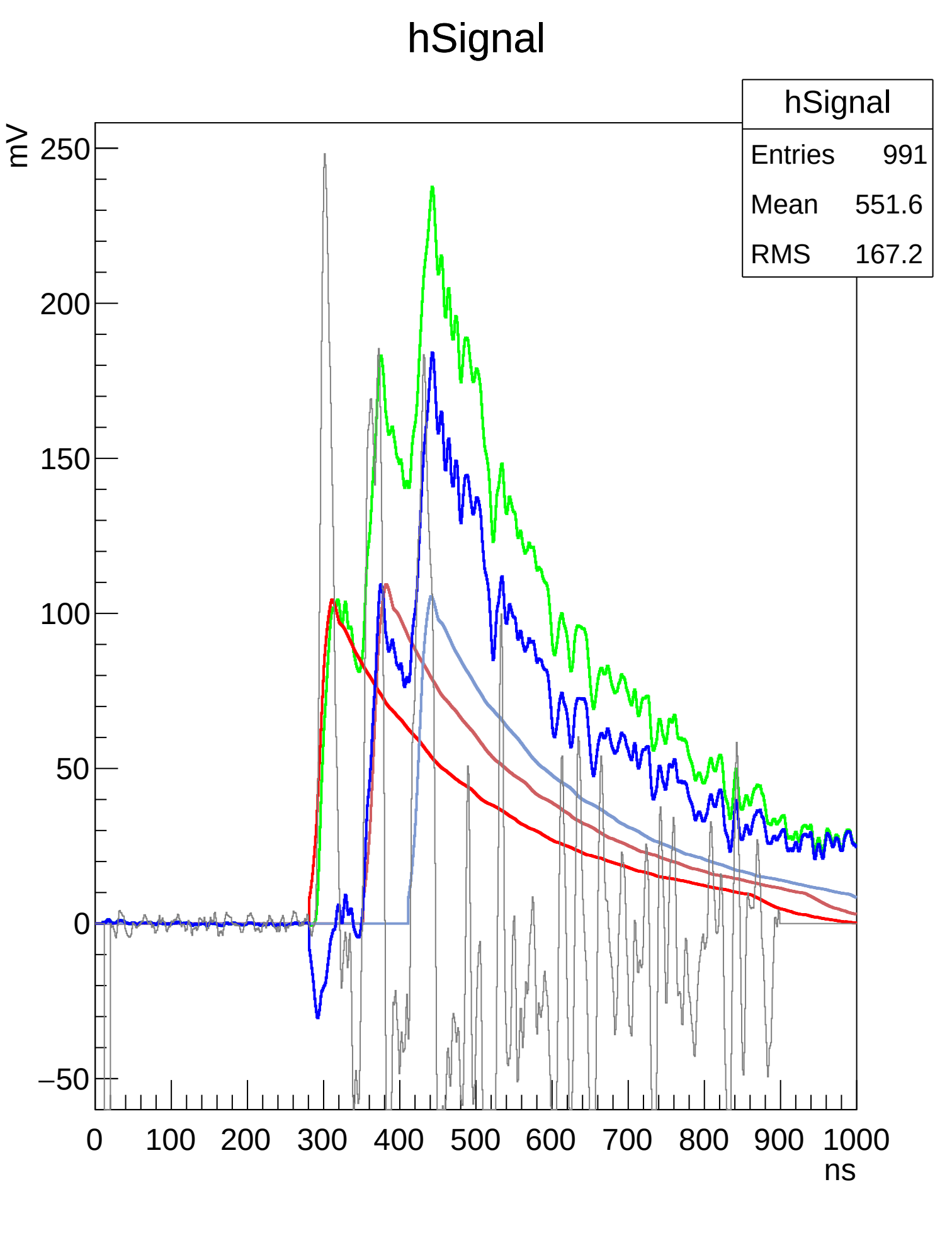
1000
ns


hSignal
hSignal
Entries 991
Mean 551.6
RMS 167.2
mV
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100
50
0
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0
100
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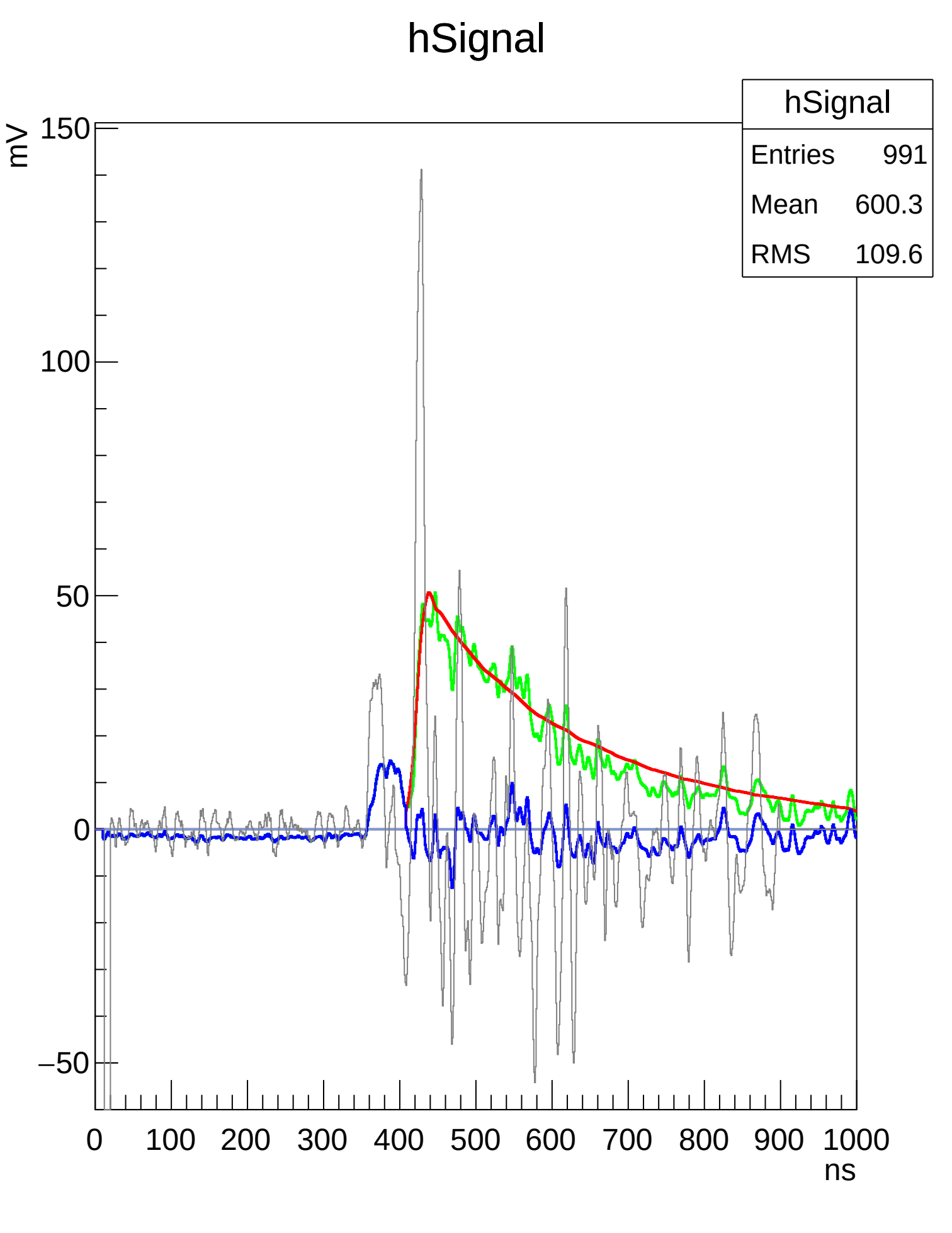
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.3
RMS 109.6
mV
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100
50
0
−50
0
100
200
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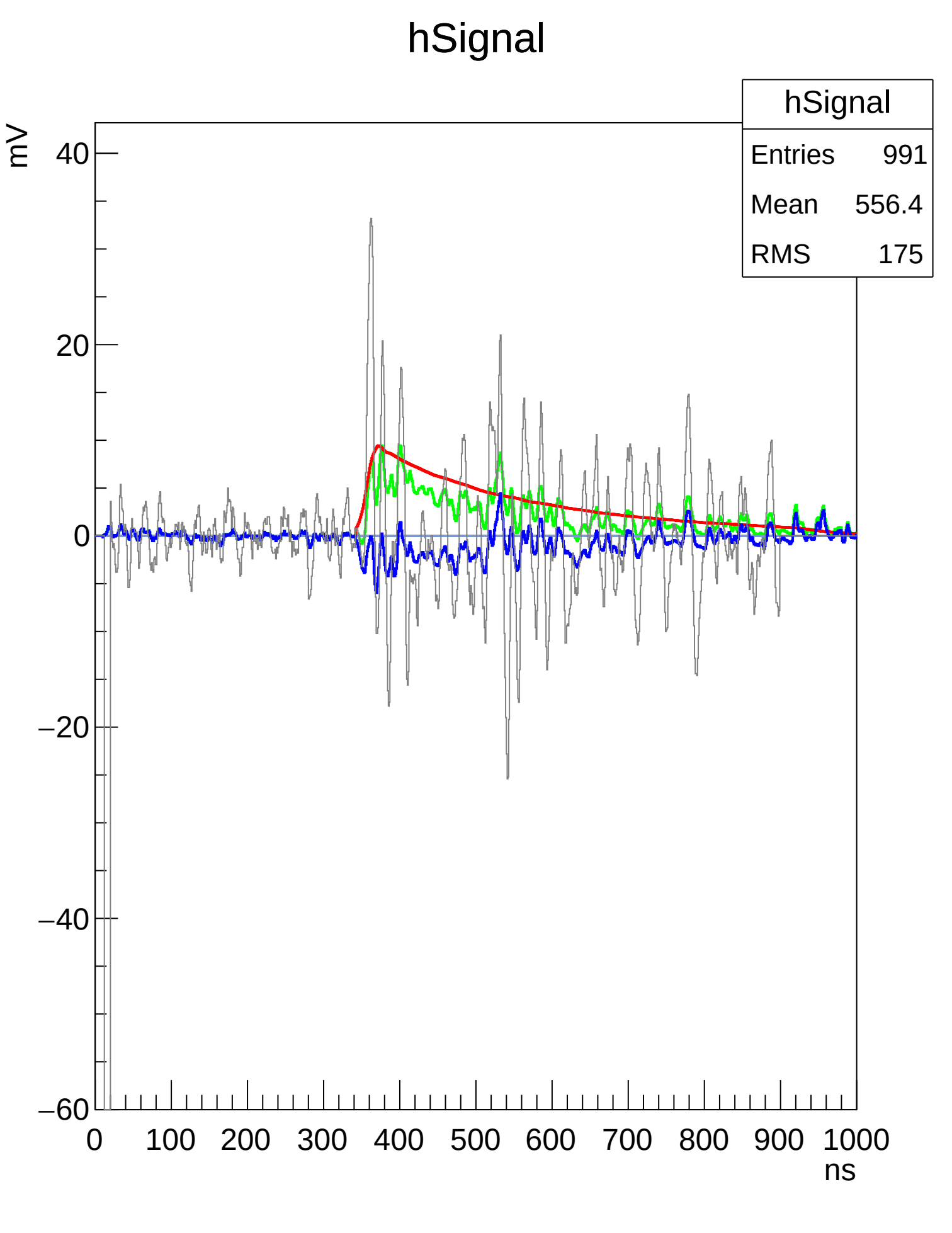
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.4
RMS 175
mV
40
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−20
−40
−60
0
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200
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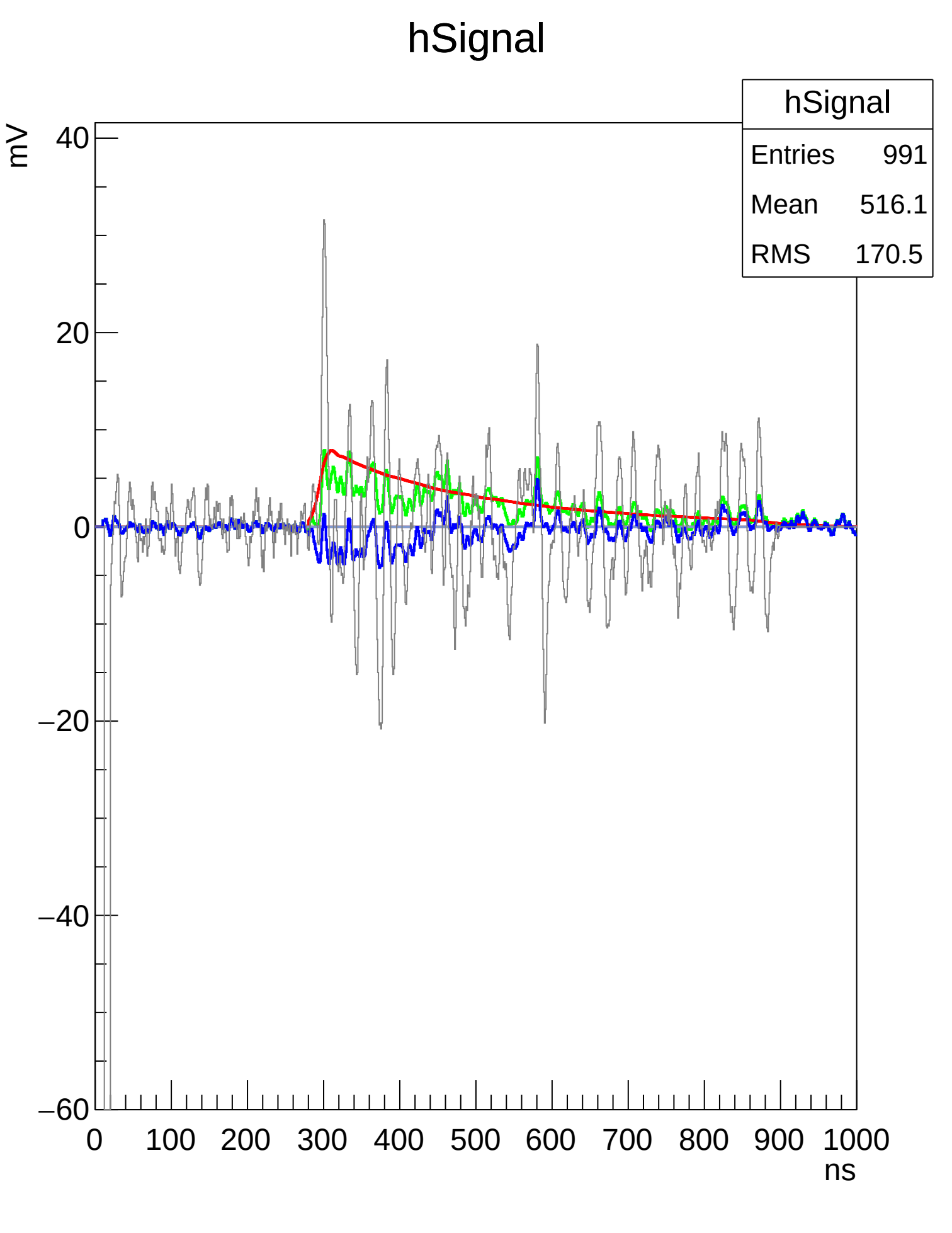
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.1
RMS 170.5
mV
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−20
−40
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0
100
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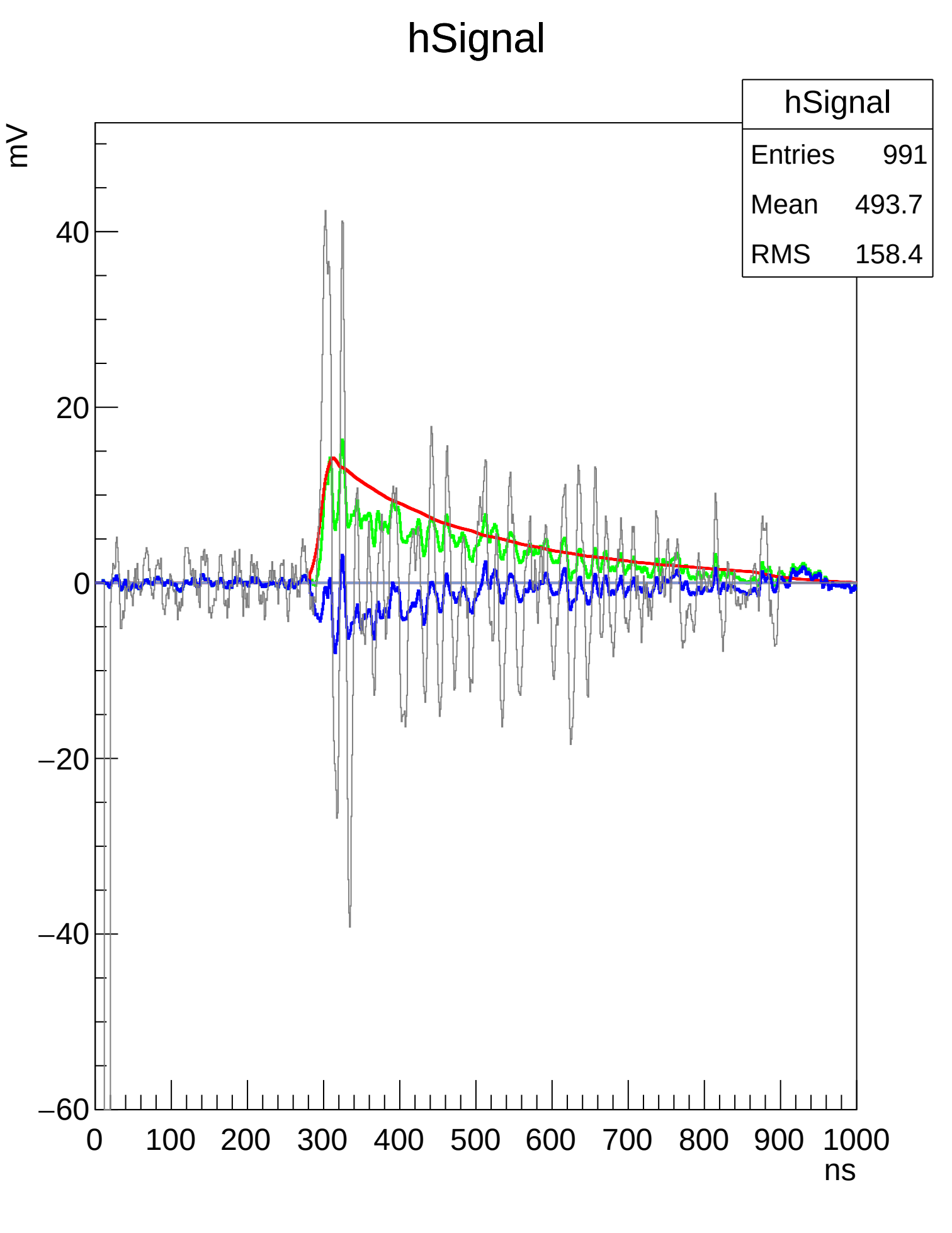
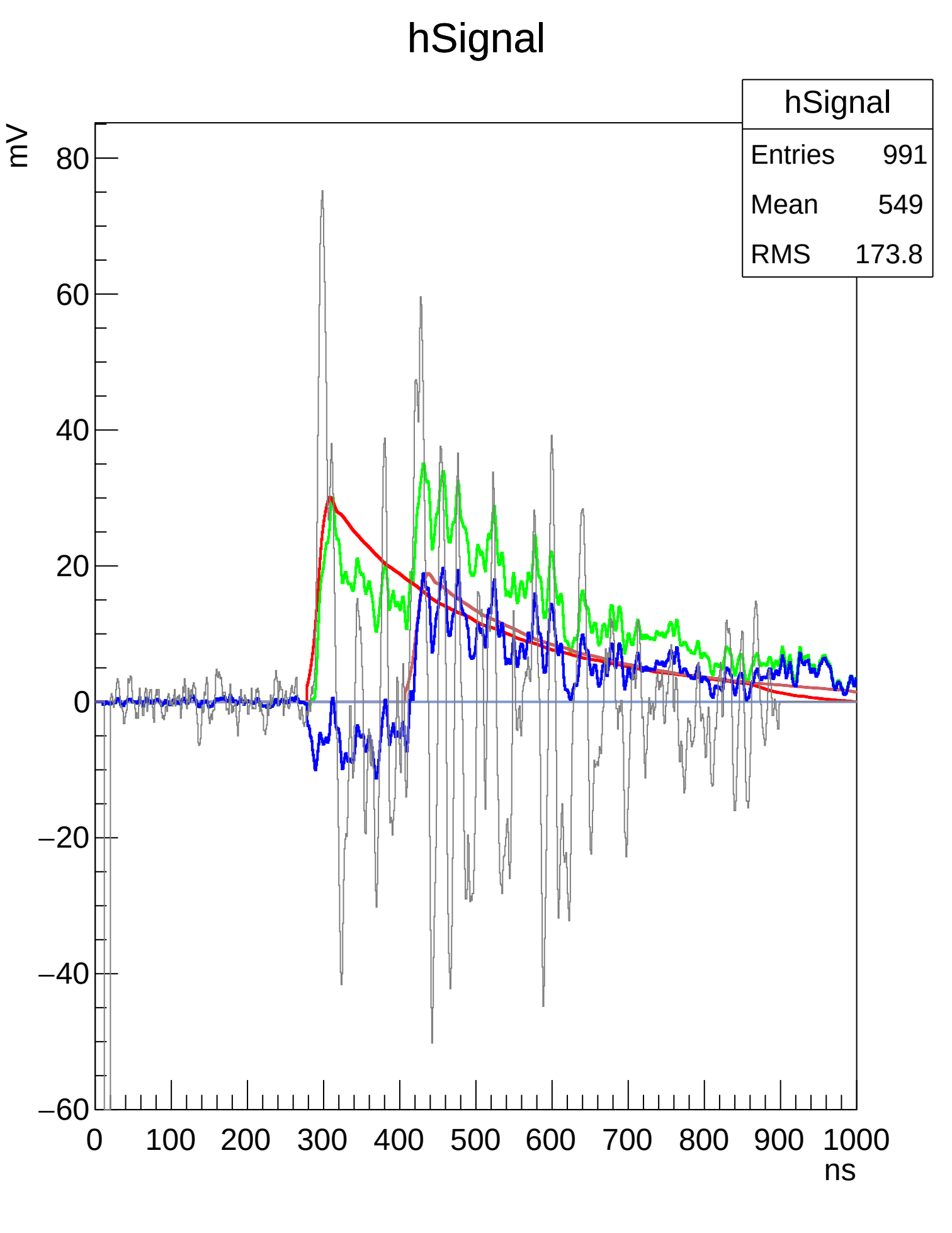
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.7
RMS 158.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549
RMS 173.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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400
500
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800
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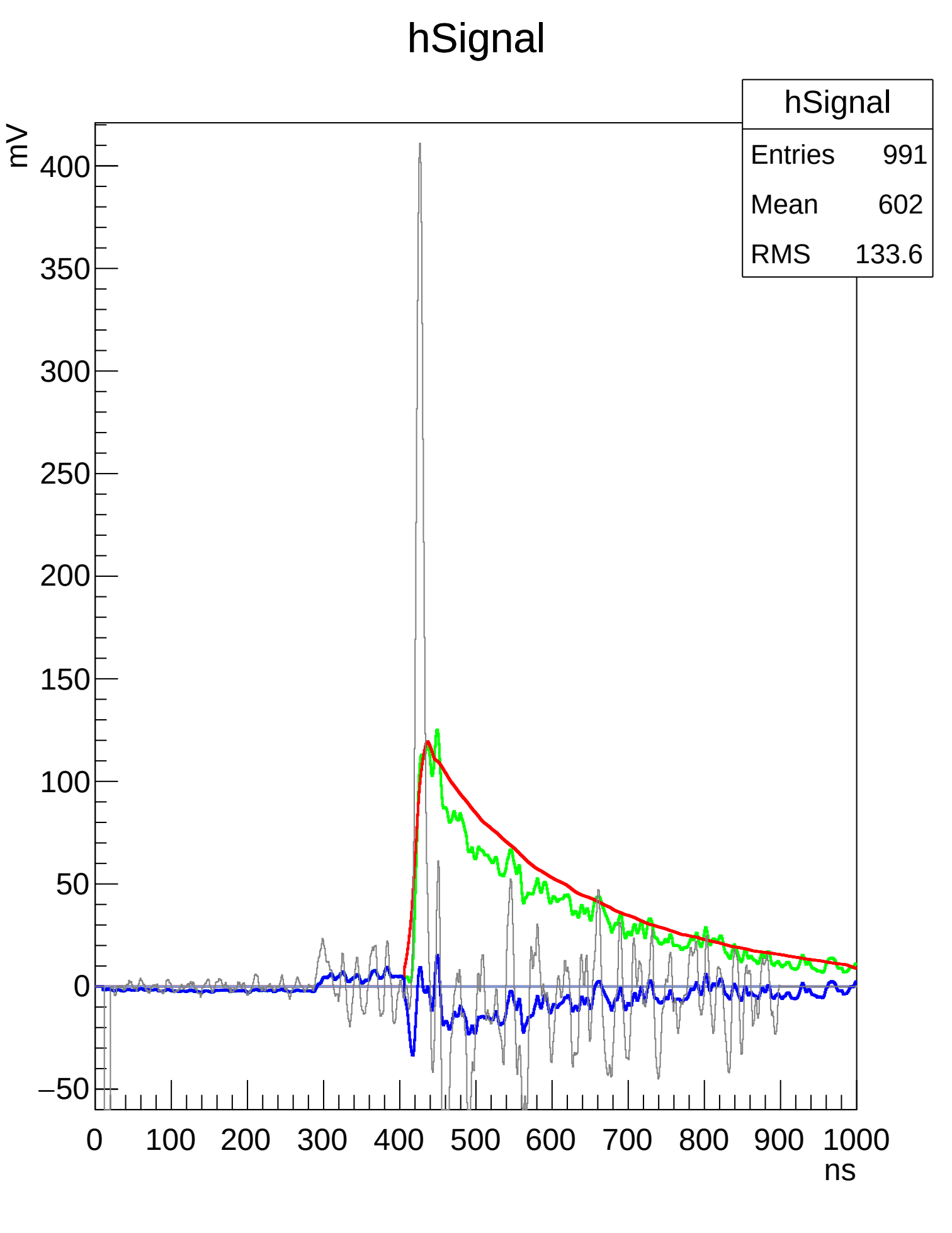
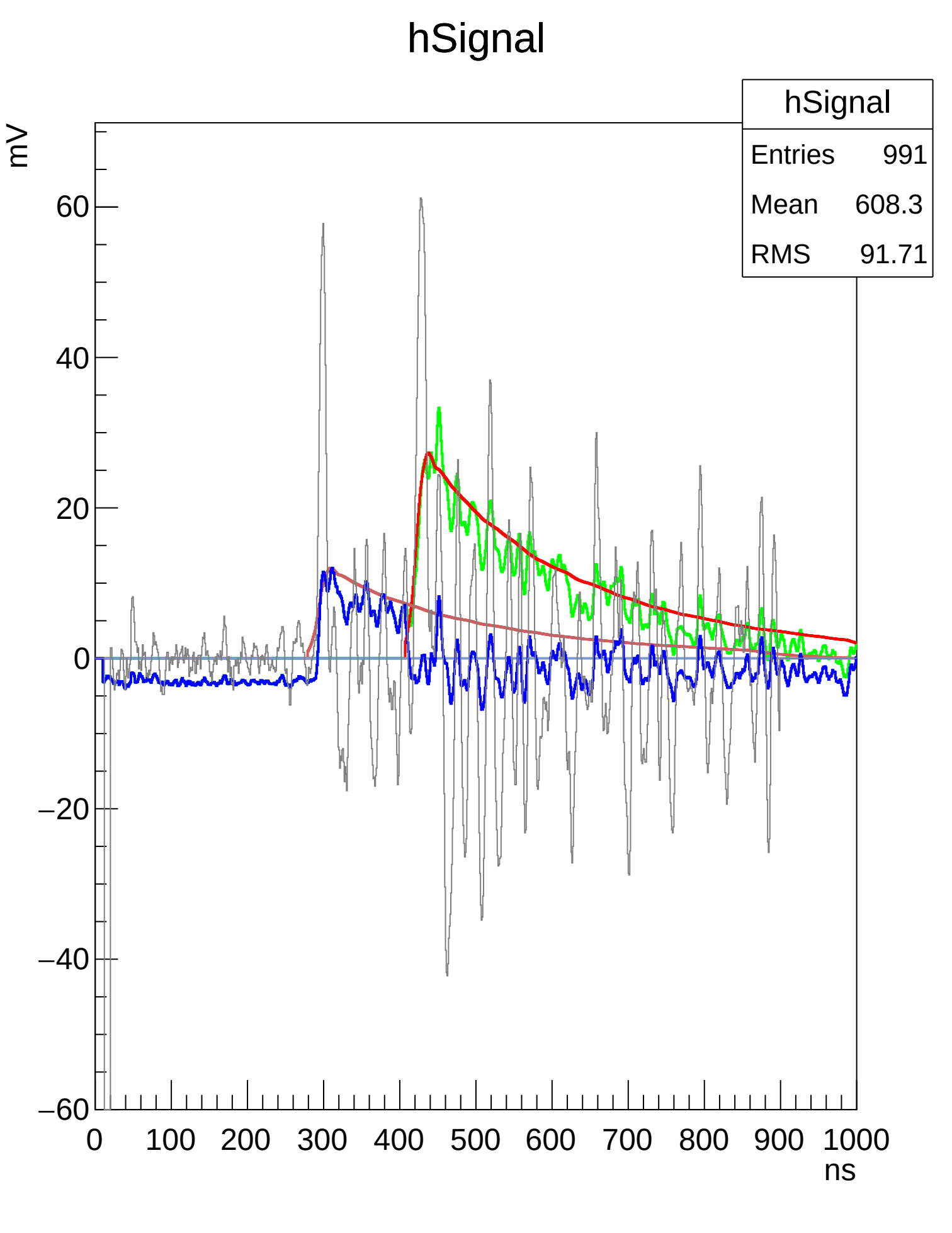
1000
ns


hSignal
hSignal
Entries 991
Mean 602
RMS 133.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.3
RMS 91.71
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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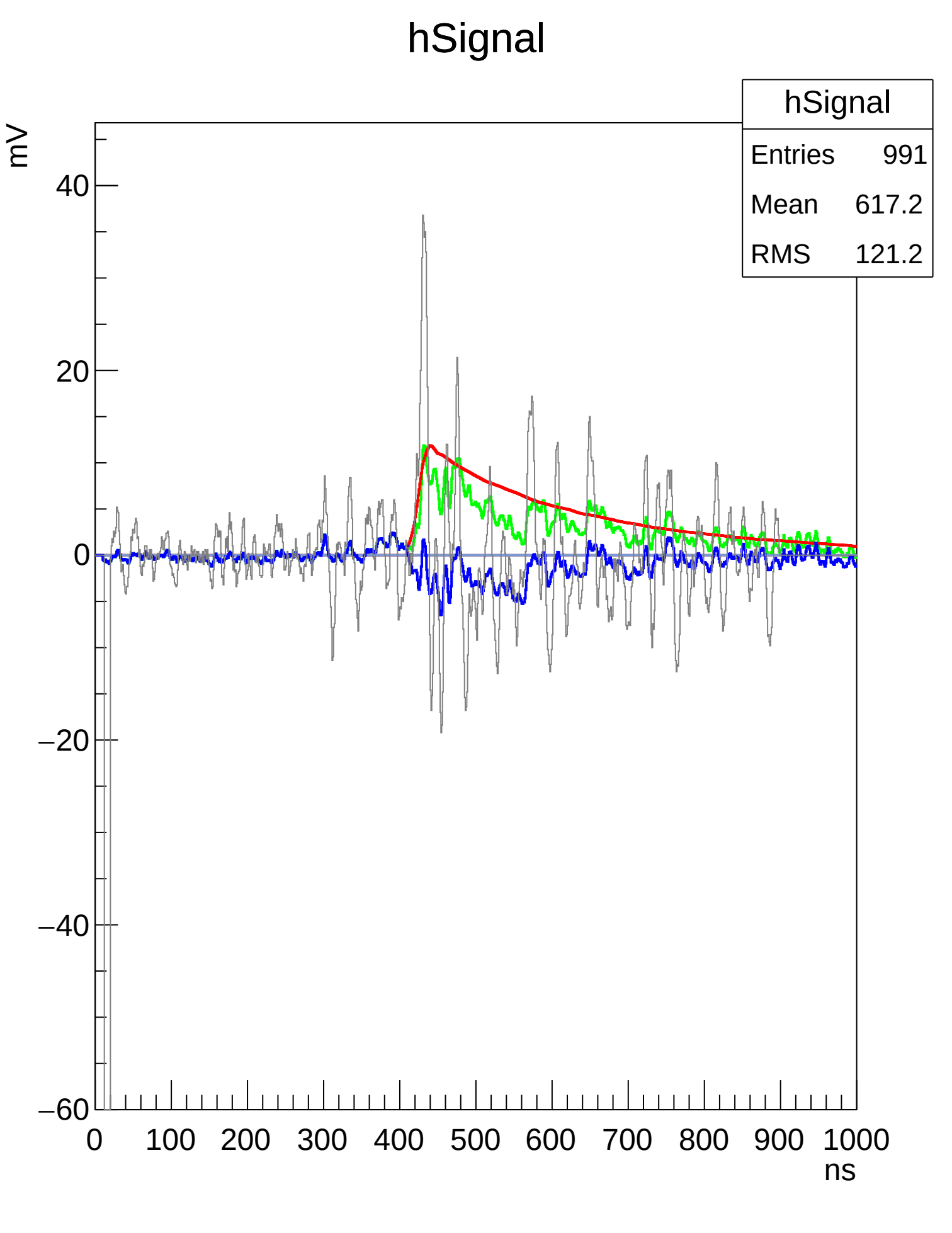
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.2
RMS 121.2
mV
40
20
0
−20
−40
−60
0
100
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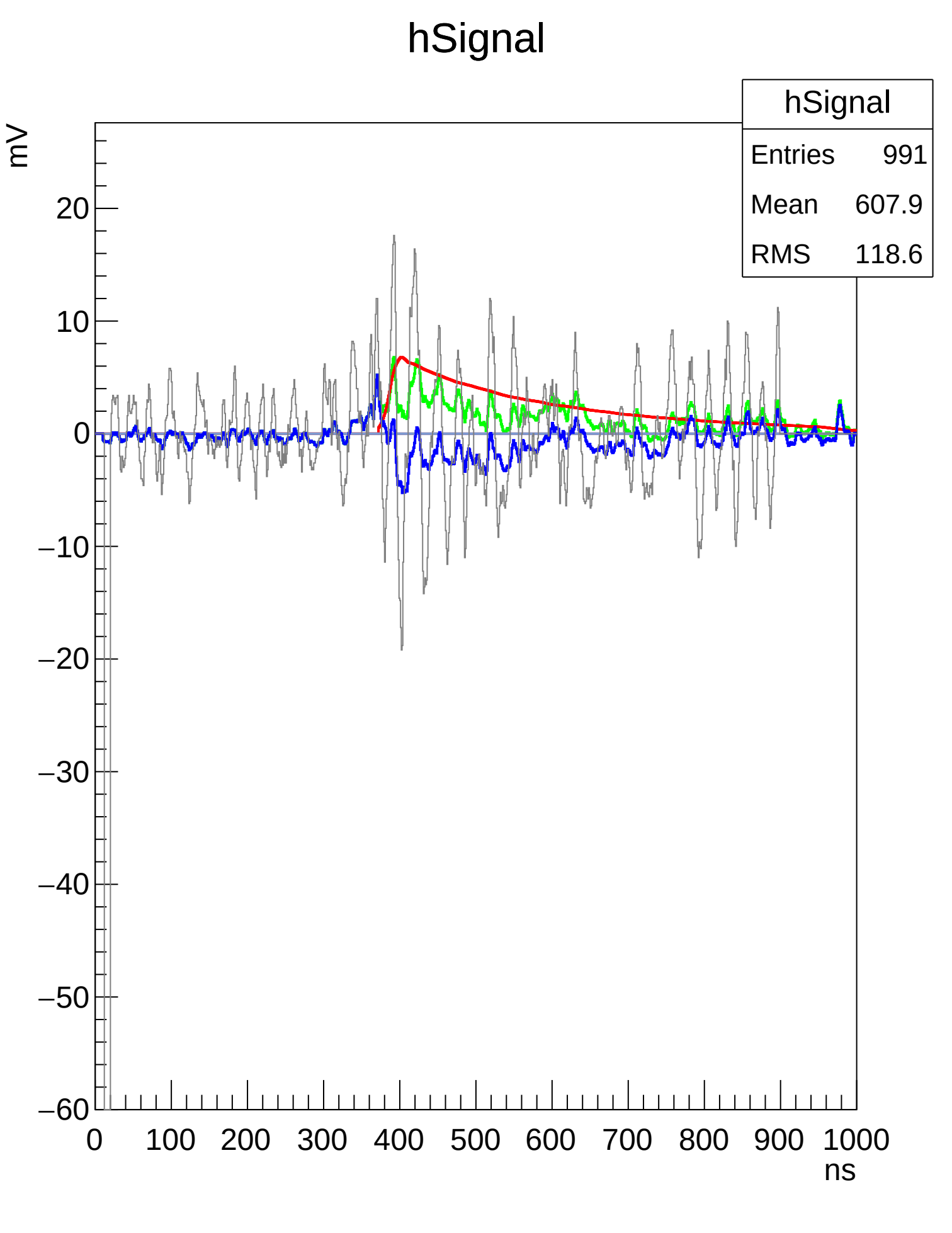
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.9
RMS 118.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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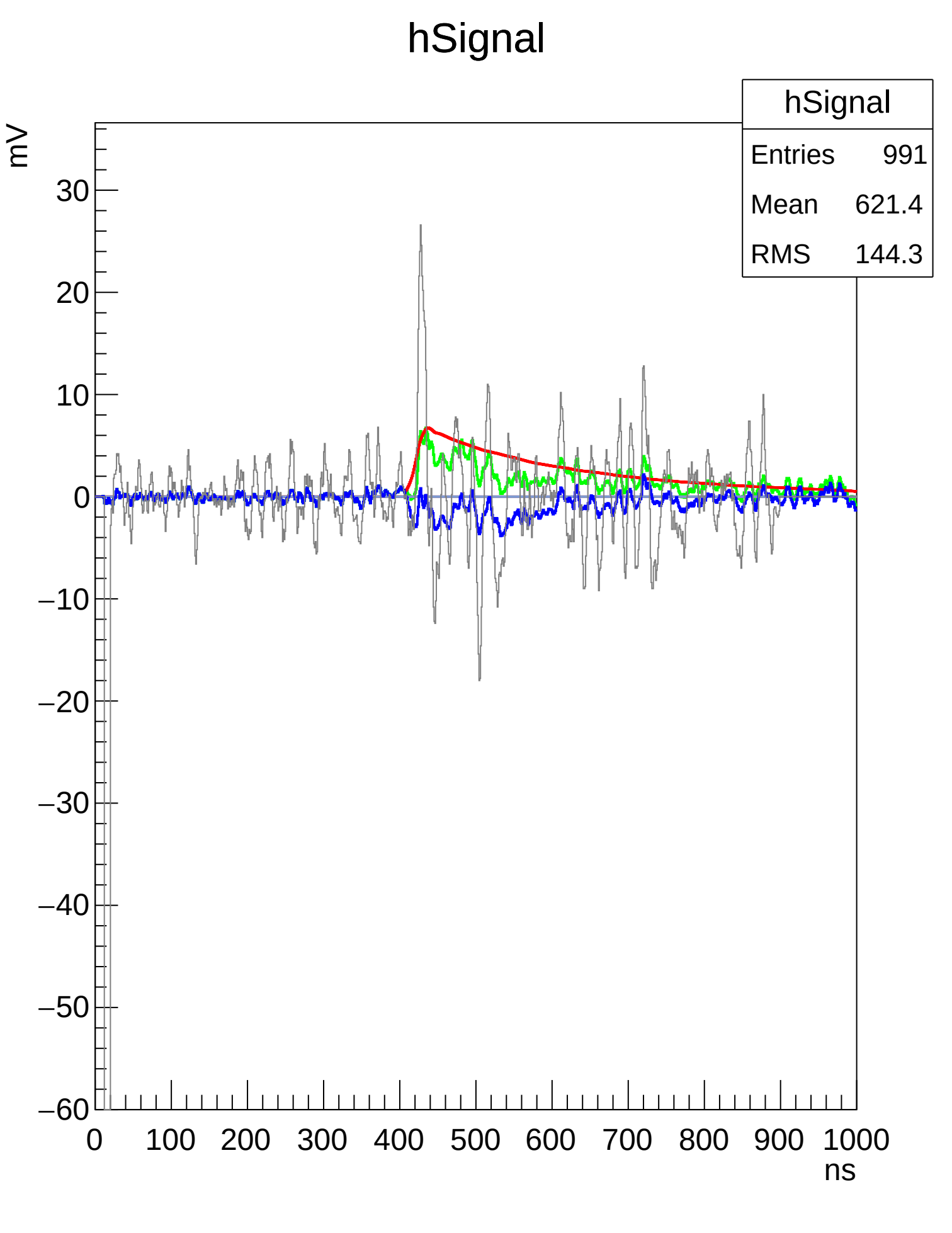
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.4
RMS 144.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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1000
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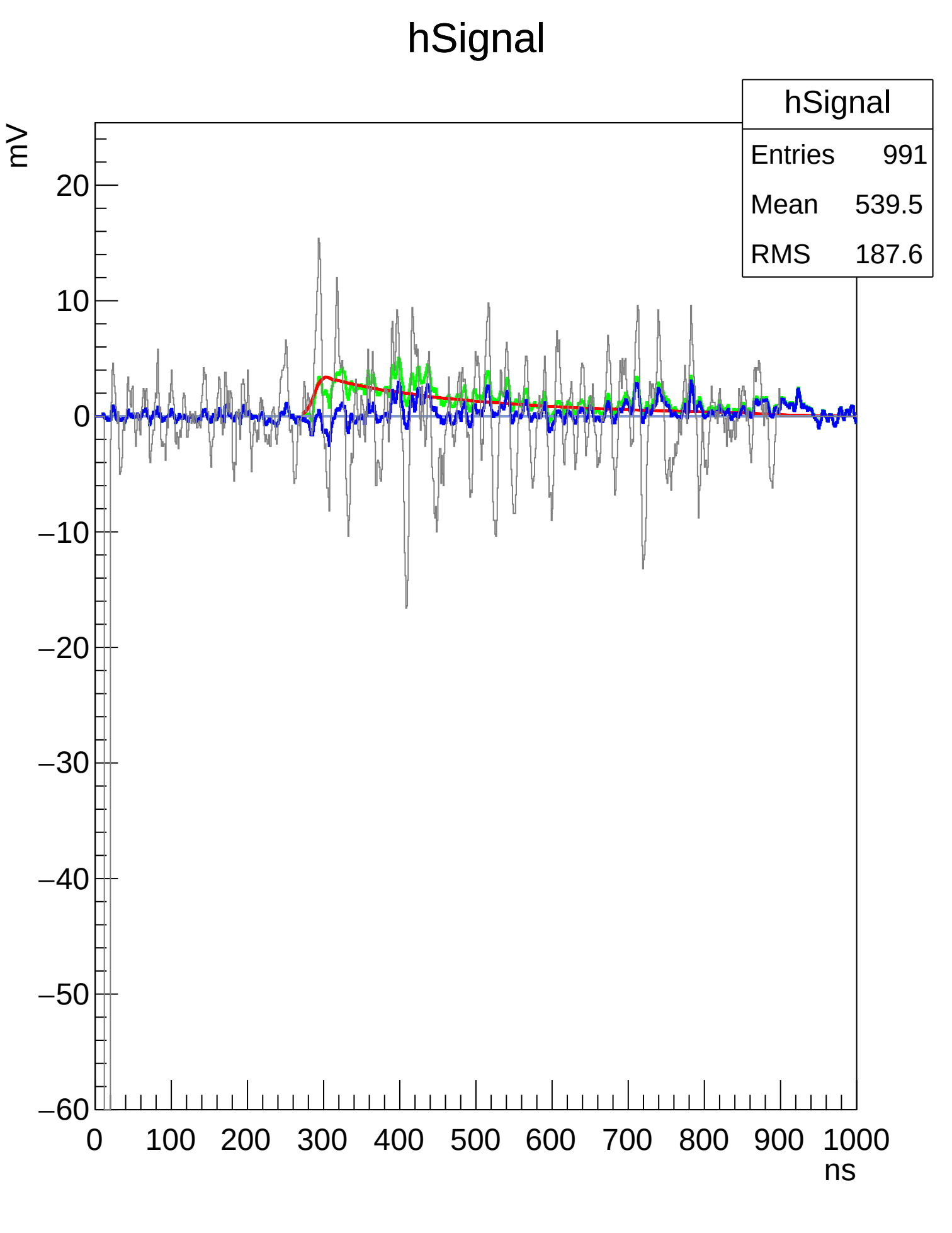
hSignal
hSignal
Entries 991
Mean 539.5
RMS 187.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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600
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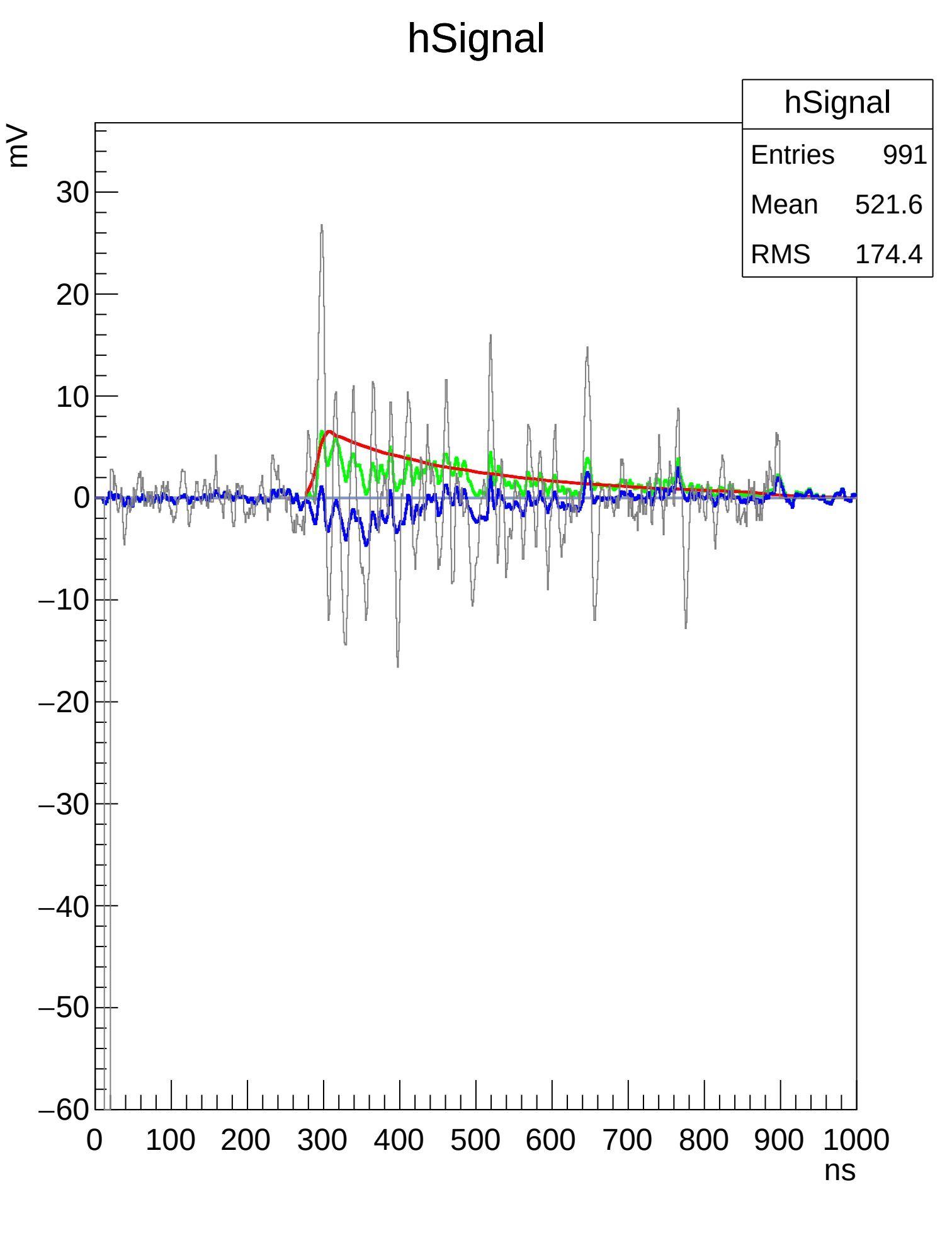
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.6
RMS 174.4
mV
30
20
10
0
−10
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−40
−50
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0
100
200
300
400
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800
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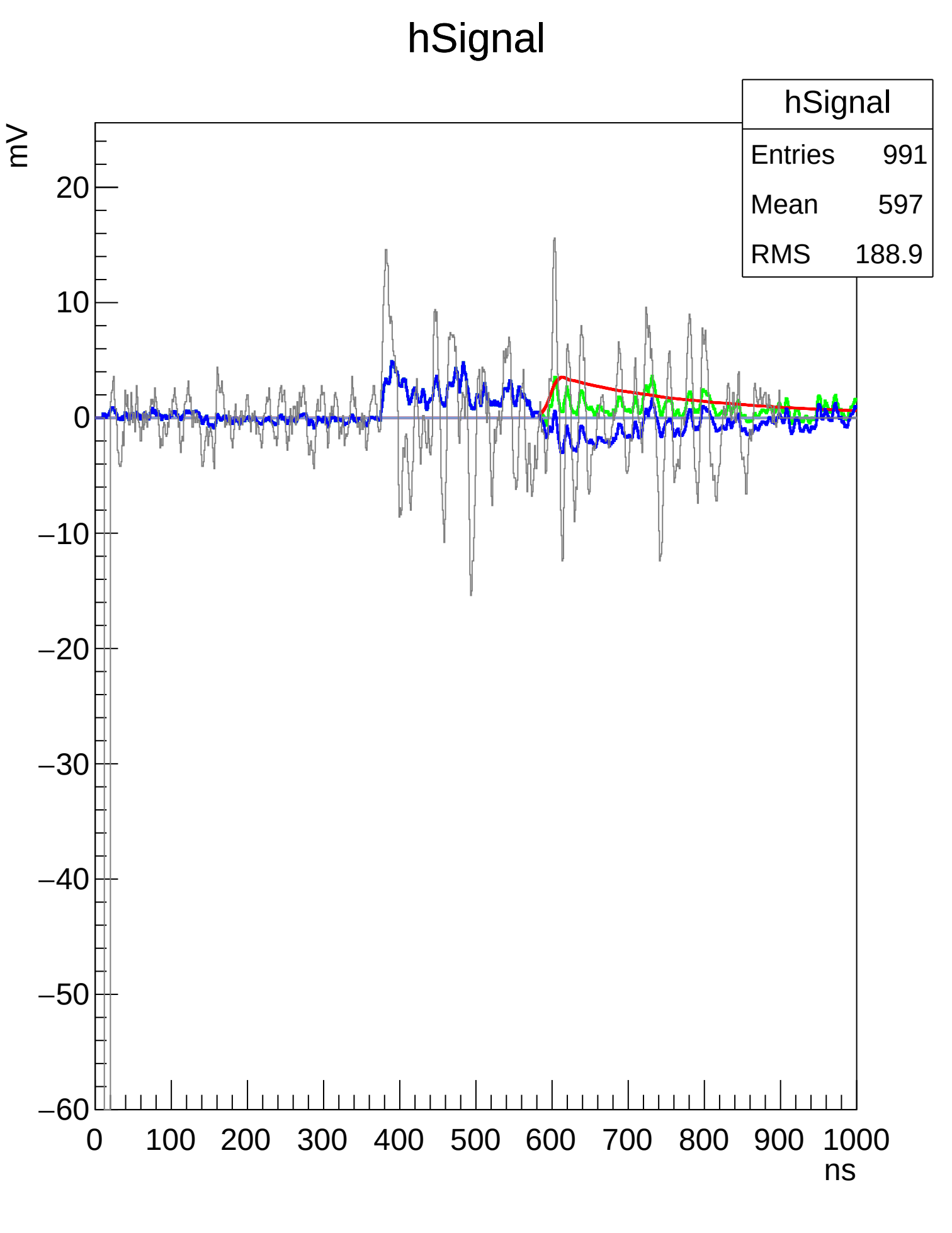
1000
ns


hSignal
hSignal
Entries 991
Mean 597
RMS 188.9
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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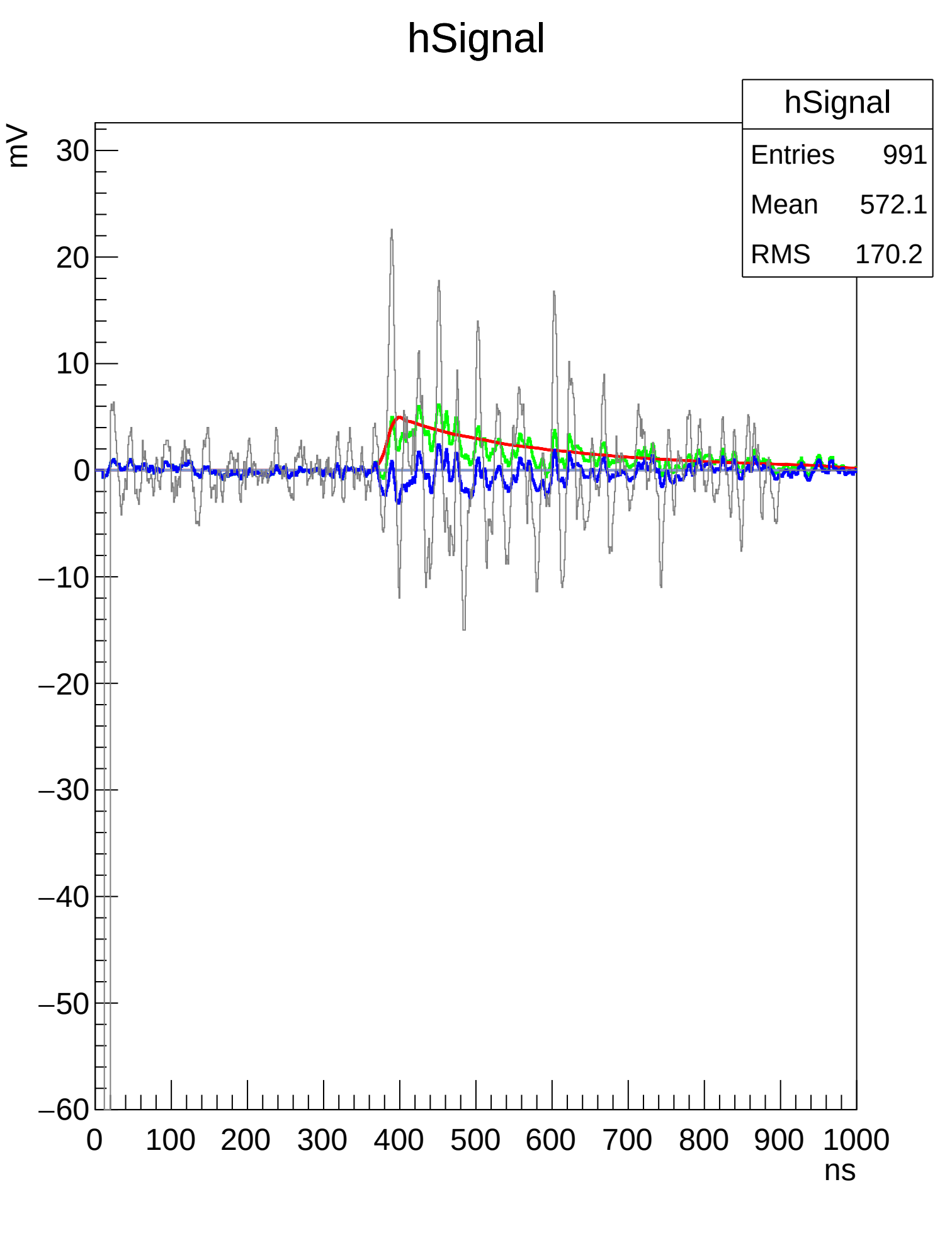
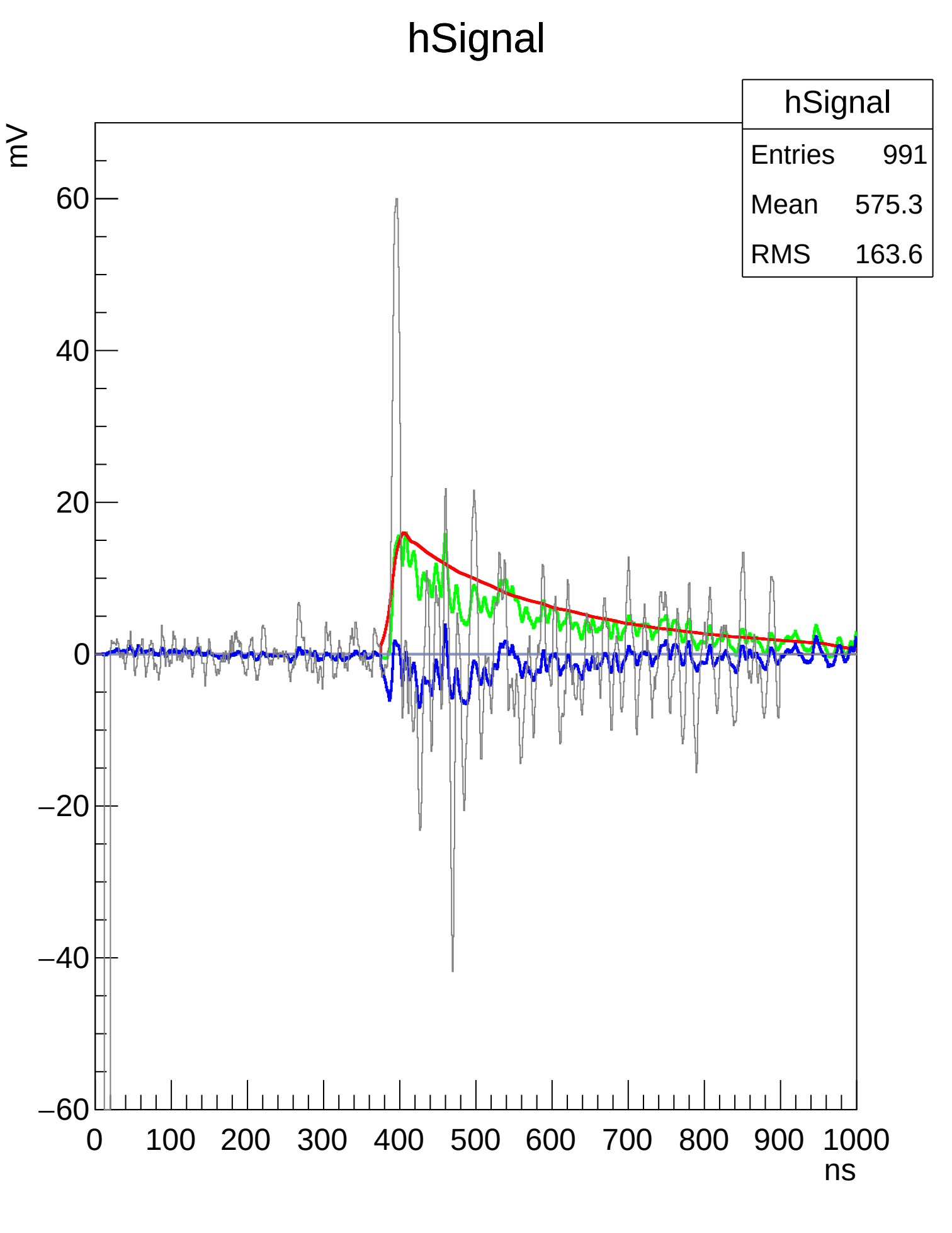
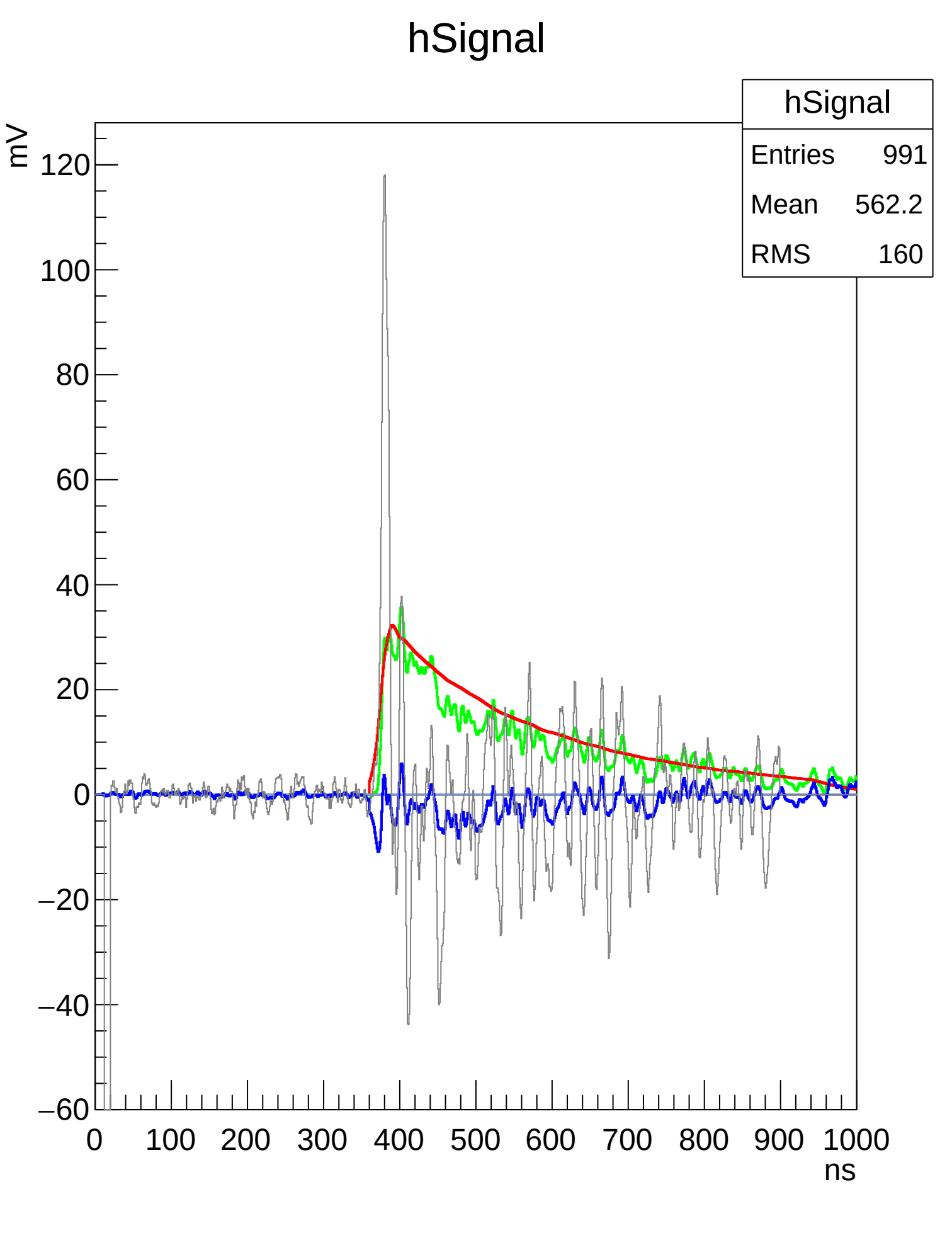
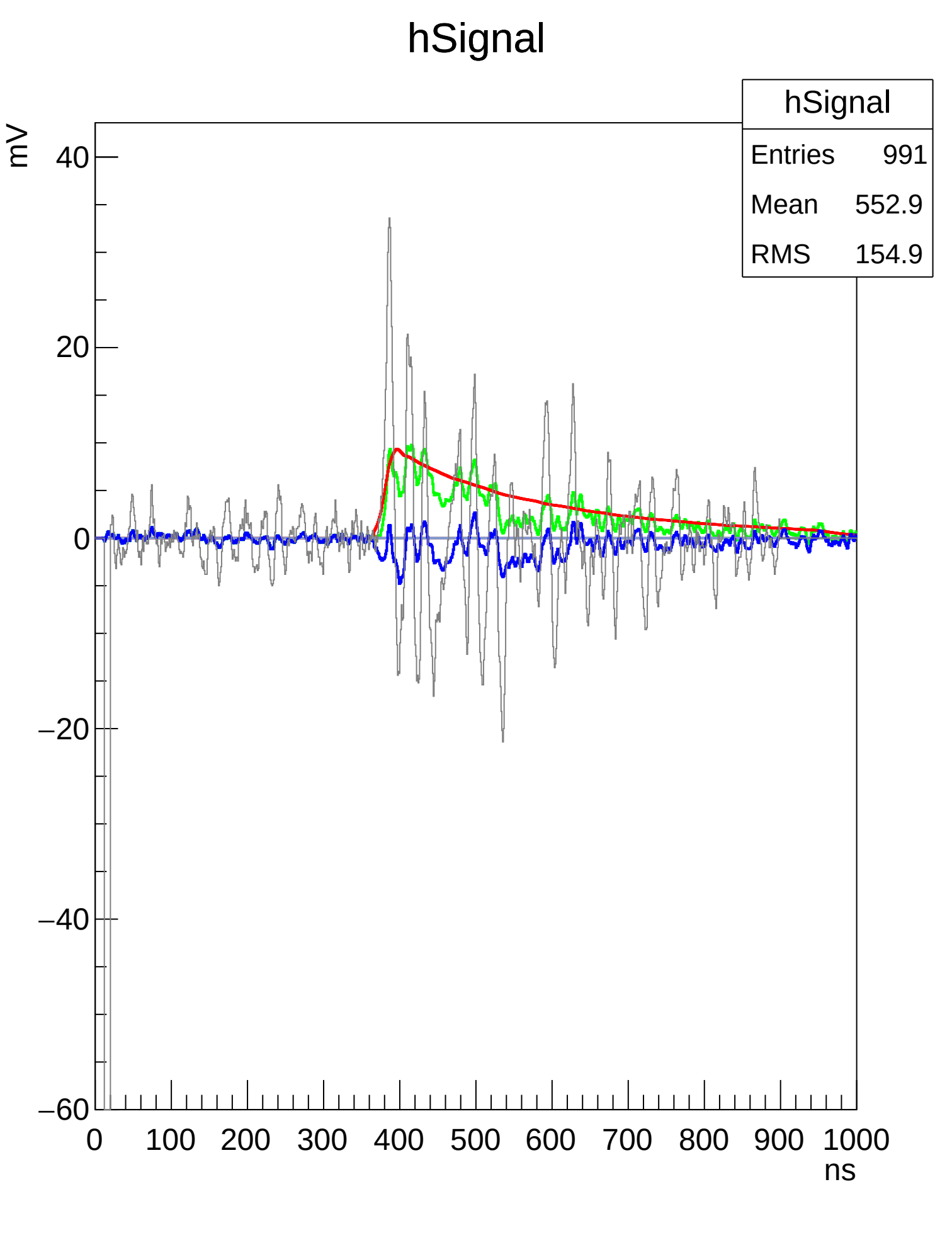
1000
ns


hSignal
hSignal
Entries 991
Mean 572.1
RMS 170.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.3
RMS 163.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.2
RMS 160
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.9
RMS 154.9
mV
40
20
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−20
−40
−60
0
100
200
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400
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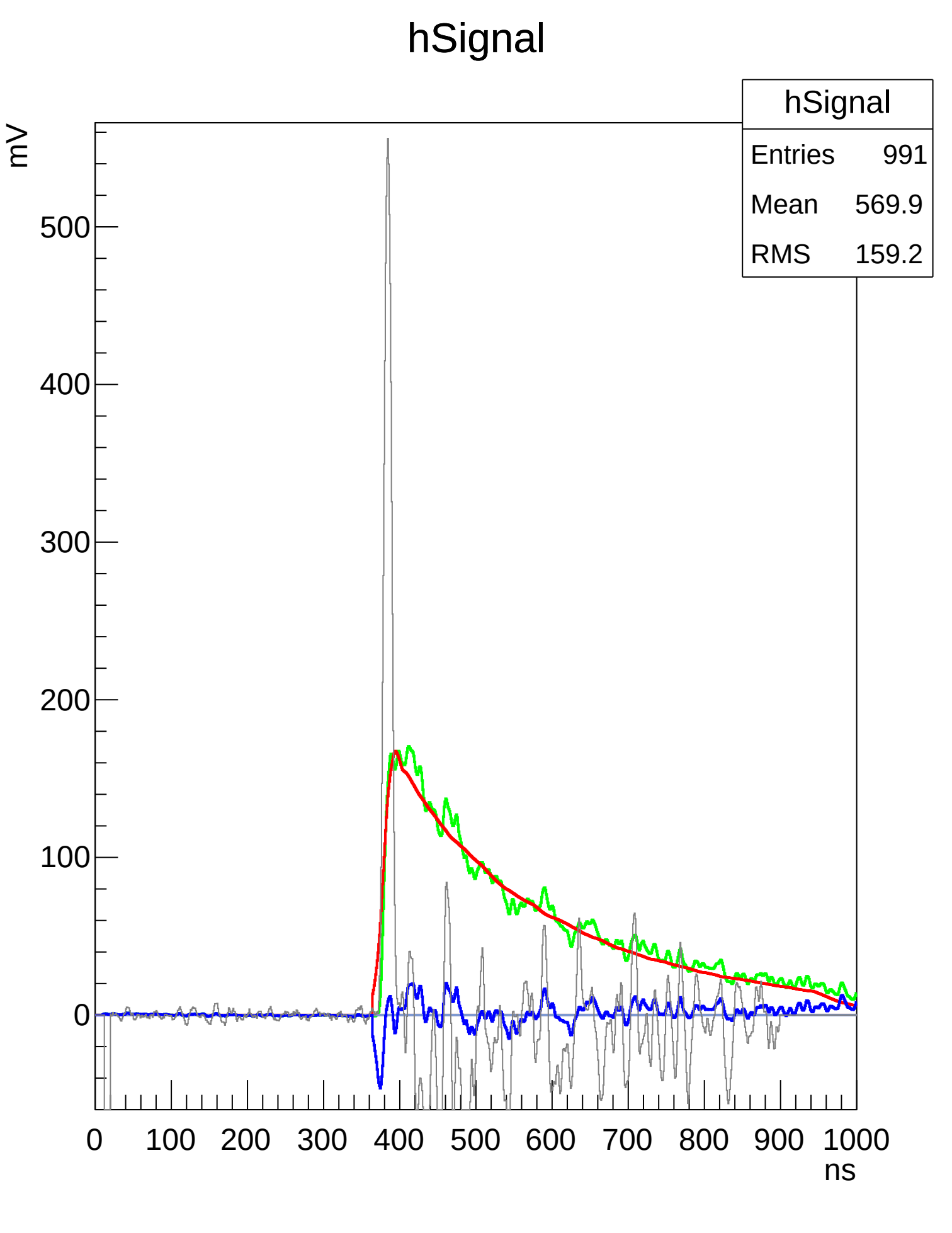
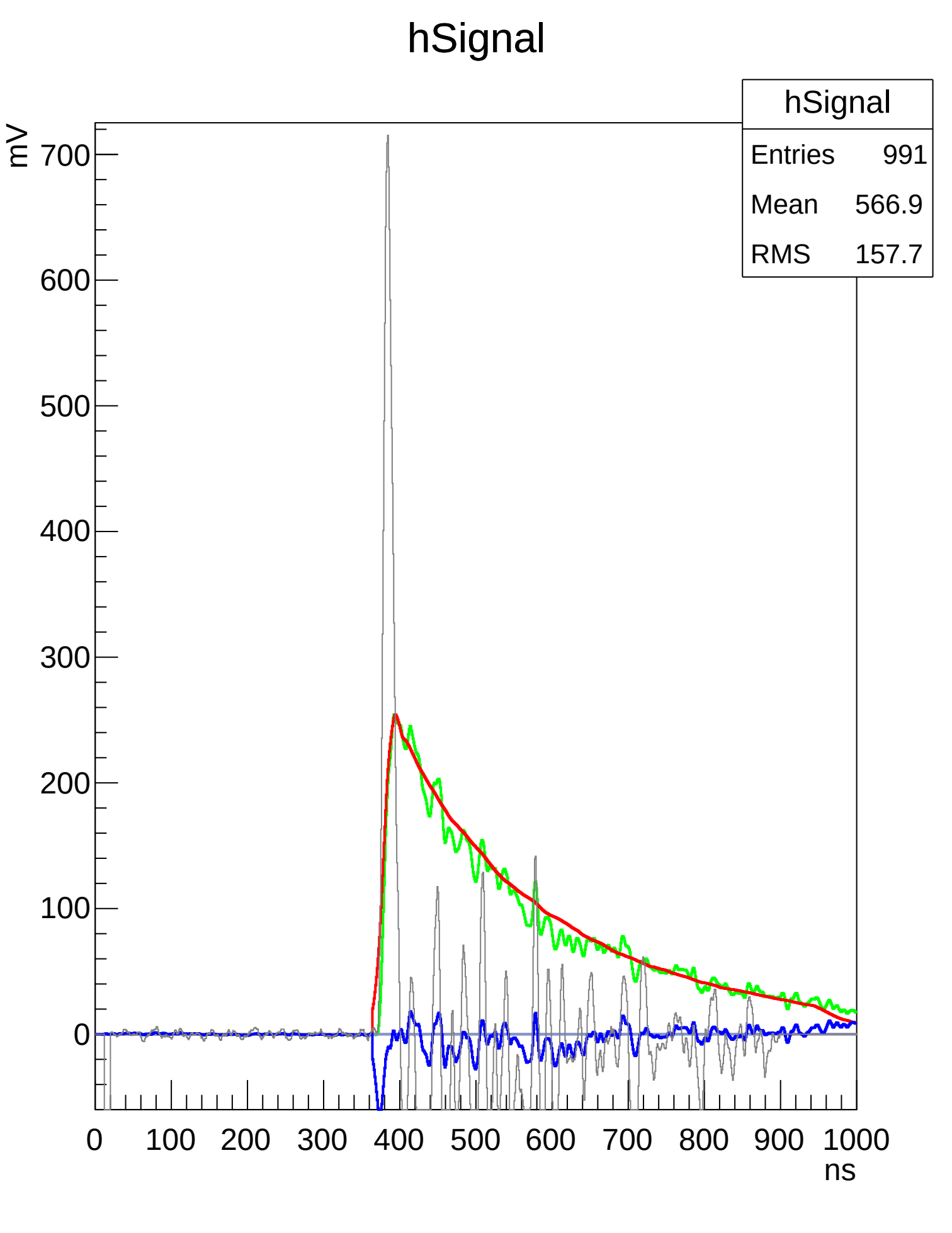
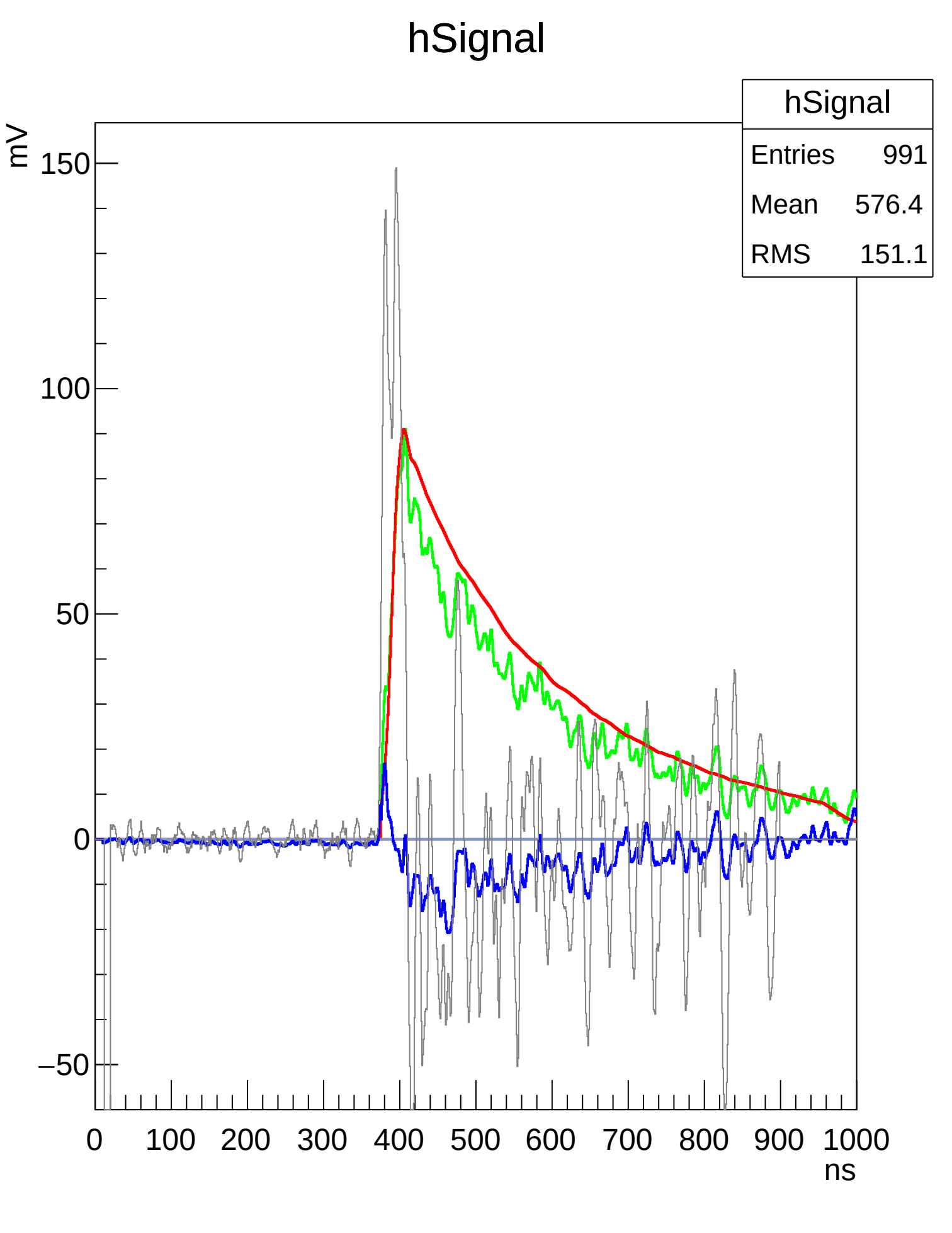
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.9
RMS 159.2
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 157.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.4
RMS 151.1
mV
150
100
50
0
−50
0
100
200
300
400
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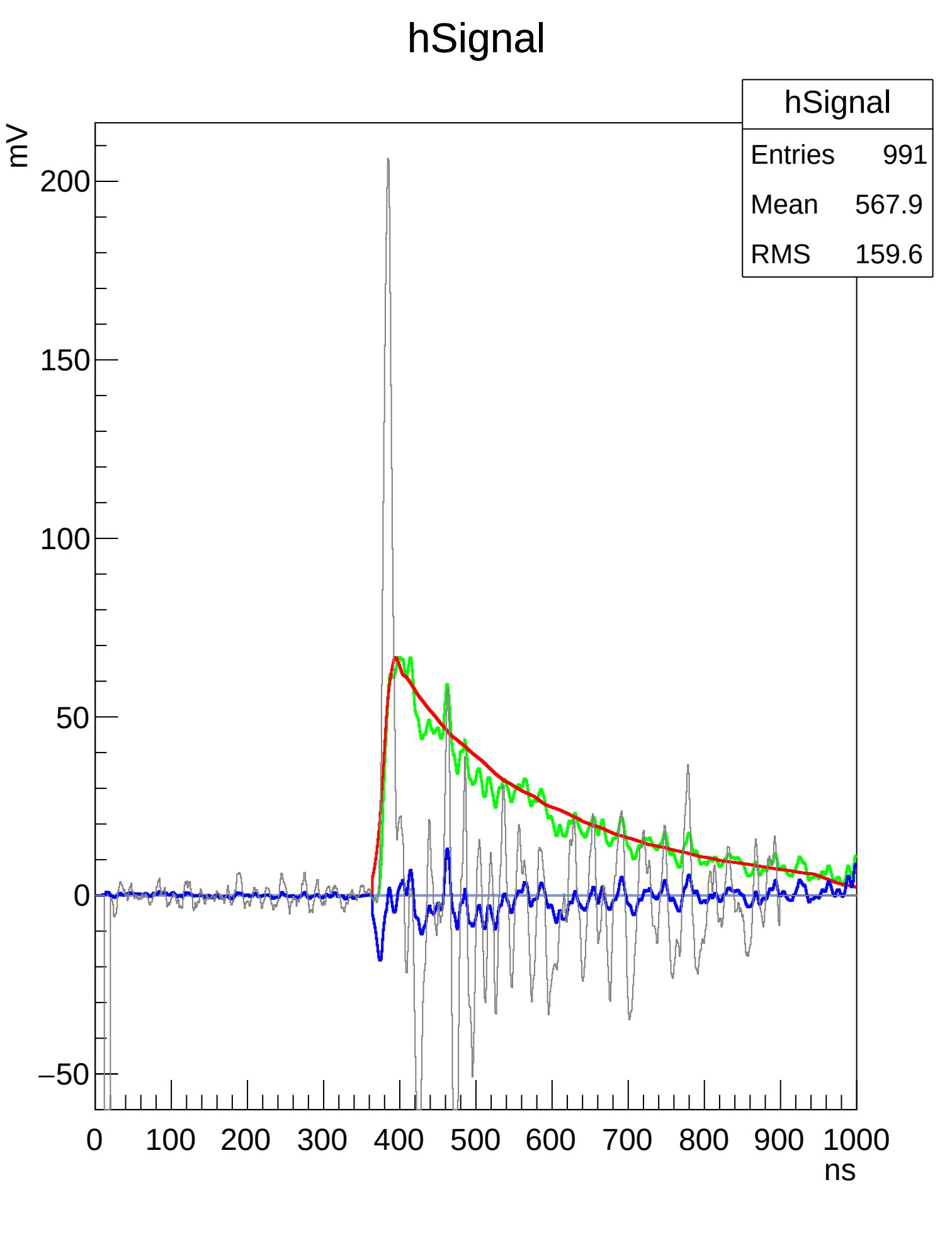
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.9
RMS 159.6
mV
200
150
100
50
0
−50
0
100
200
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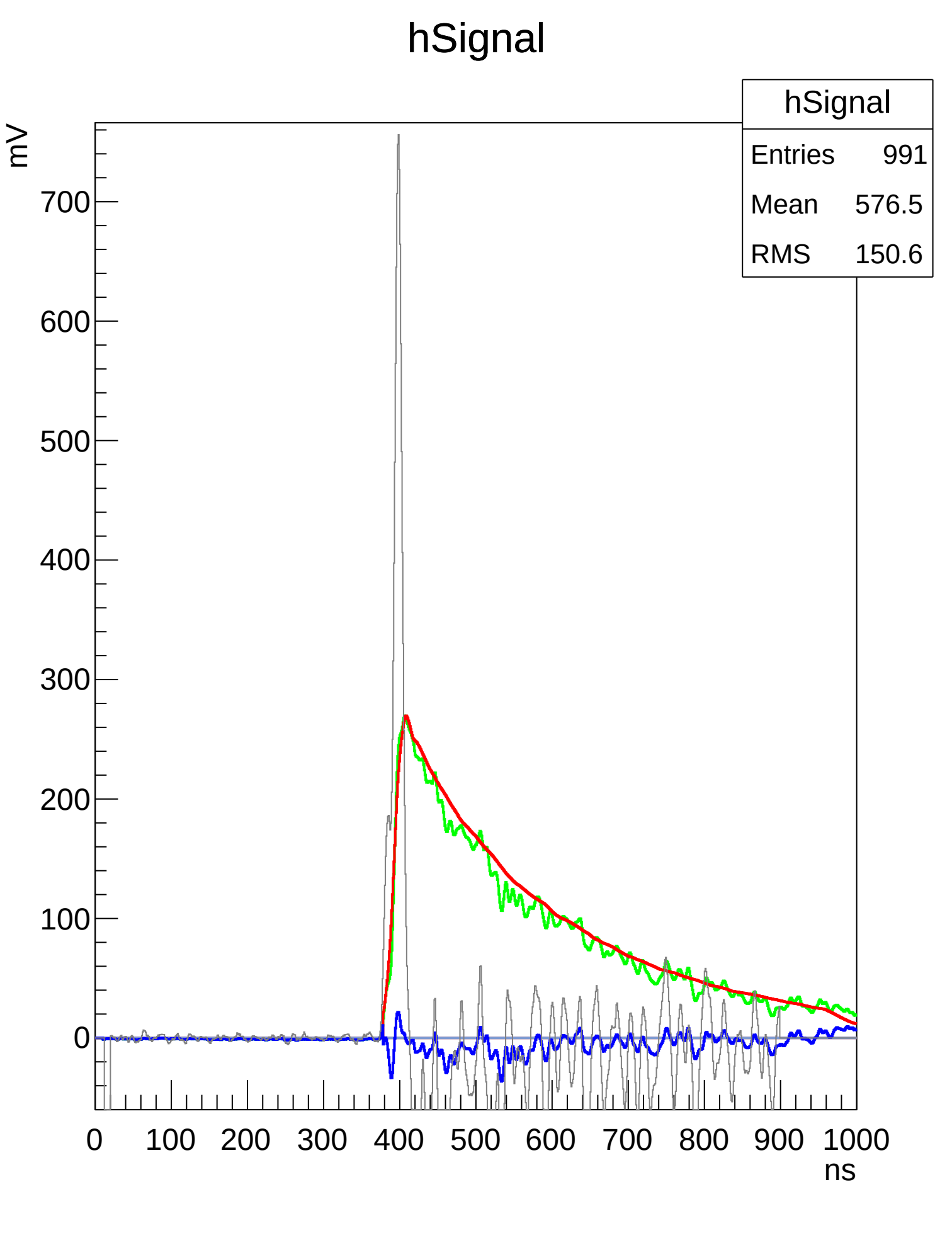
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.5
RMS 150.6
mV
700
600
500
400
300
200
100
0
0
100
200
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400
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700
800
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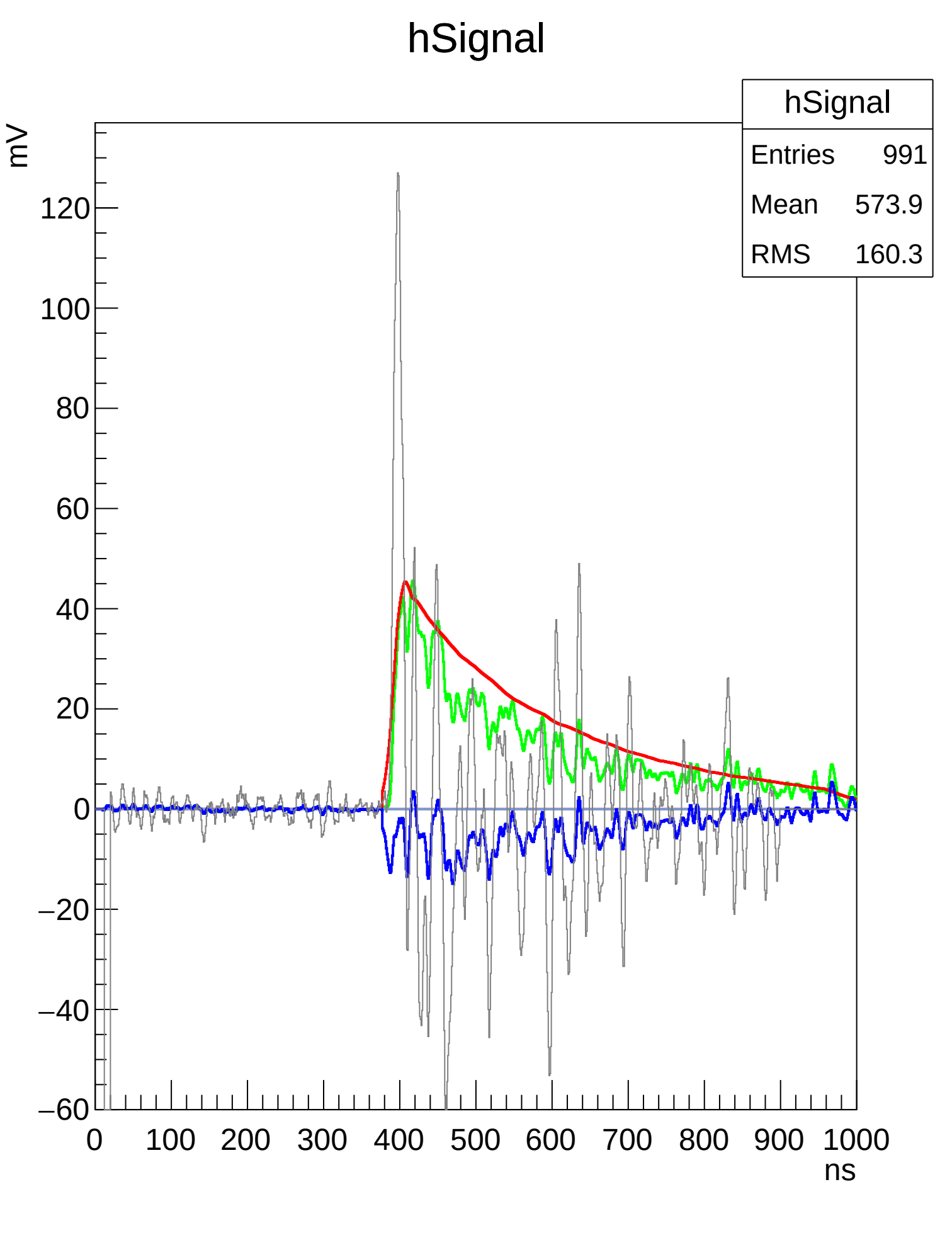
1000
ns


hSignal
hSignal
Entries 991
Mean 573.9
RMS 160.3
mV
120
100
80
60
40
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−20
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0
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200
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400
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800
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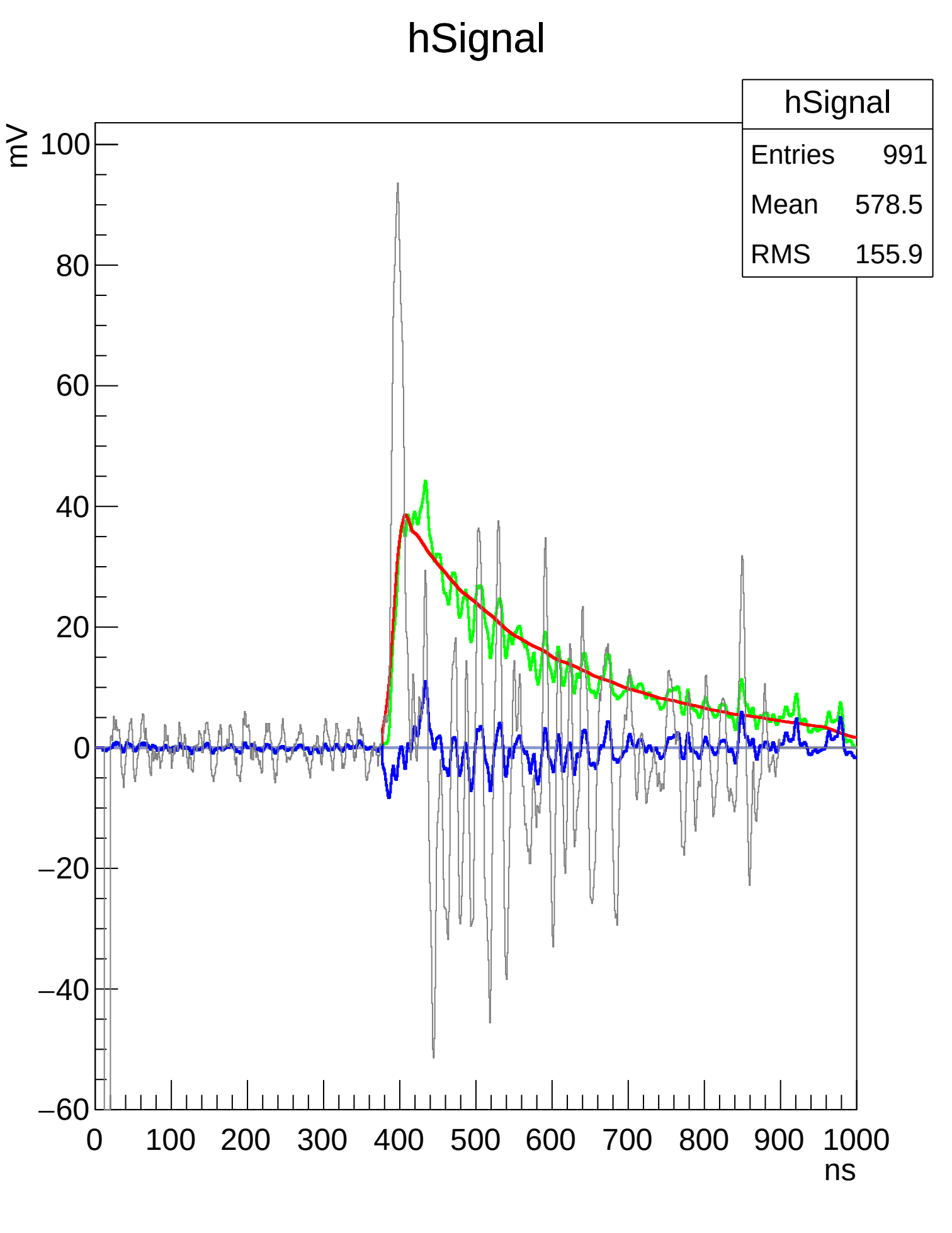
hSignal
hSignal
Entries 991
Mean 578.5
RMS 155.9
mV
100
80
60
40
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0
−20
−40
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0
100
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400
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800
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1000
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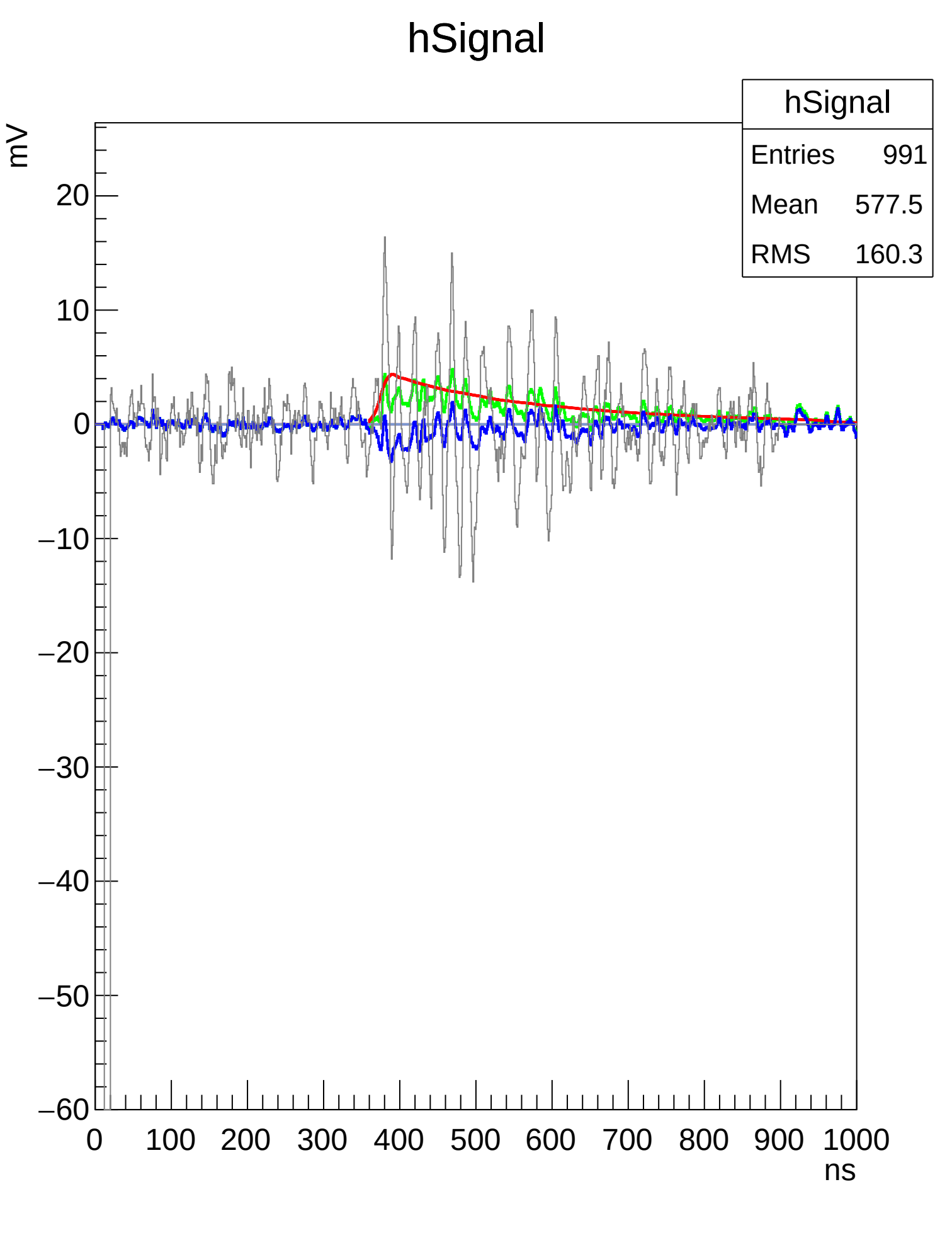
hSignal
hSignal
Entries 991
Mean 577.5
RMS 160.3
mV
20
10
0
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−20
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−40
−50
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0
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200
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400
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800
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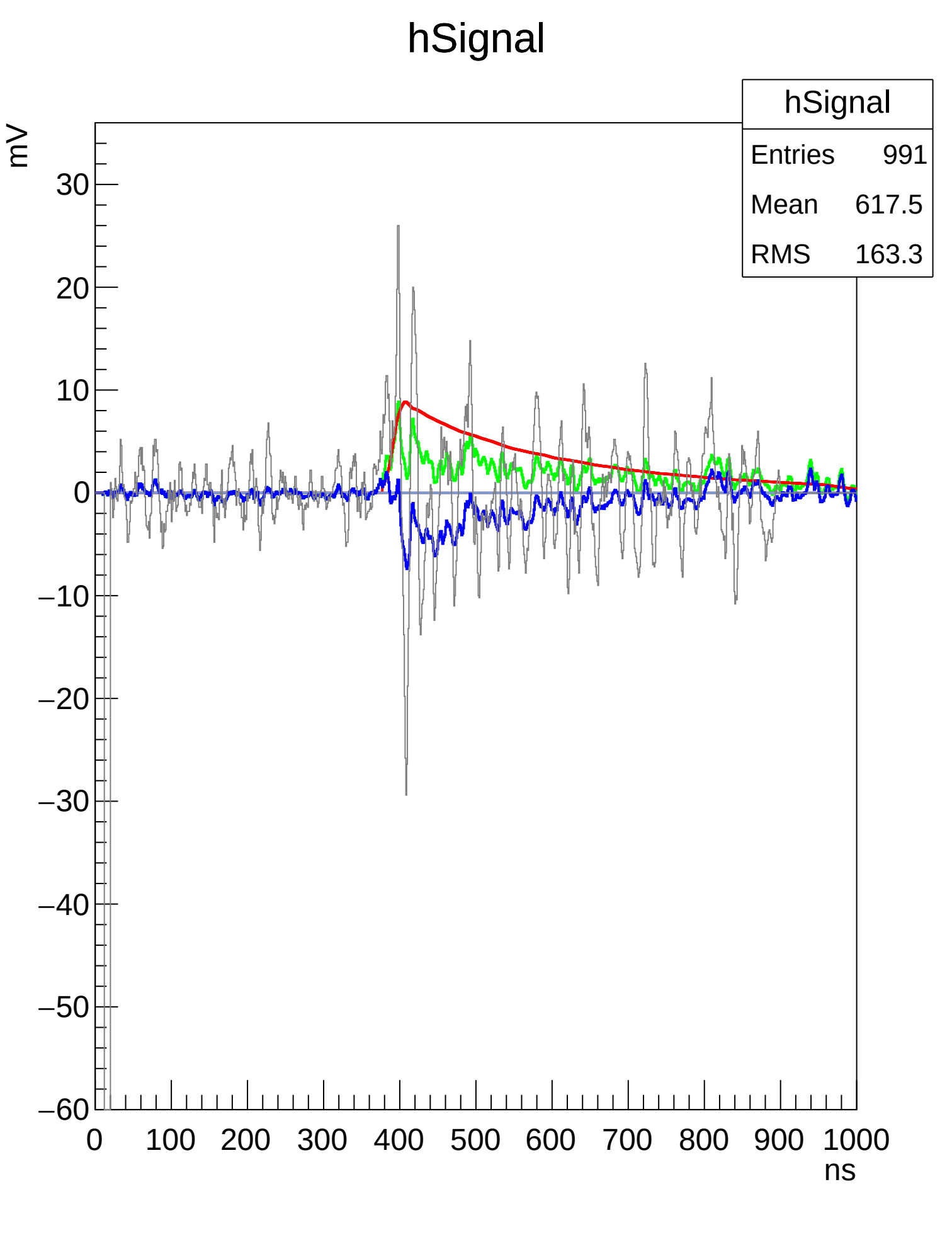
hSignal
hSignal
Entries 991
Mean 617.5
RMS 163.3
mV
30
20
10
0
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−50
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0
100
200
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400
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1000
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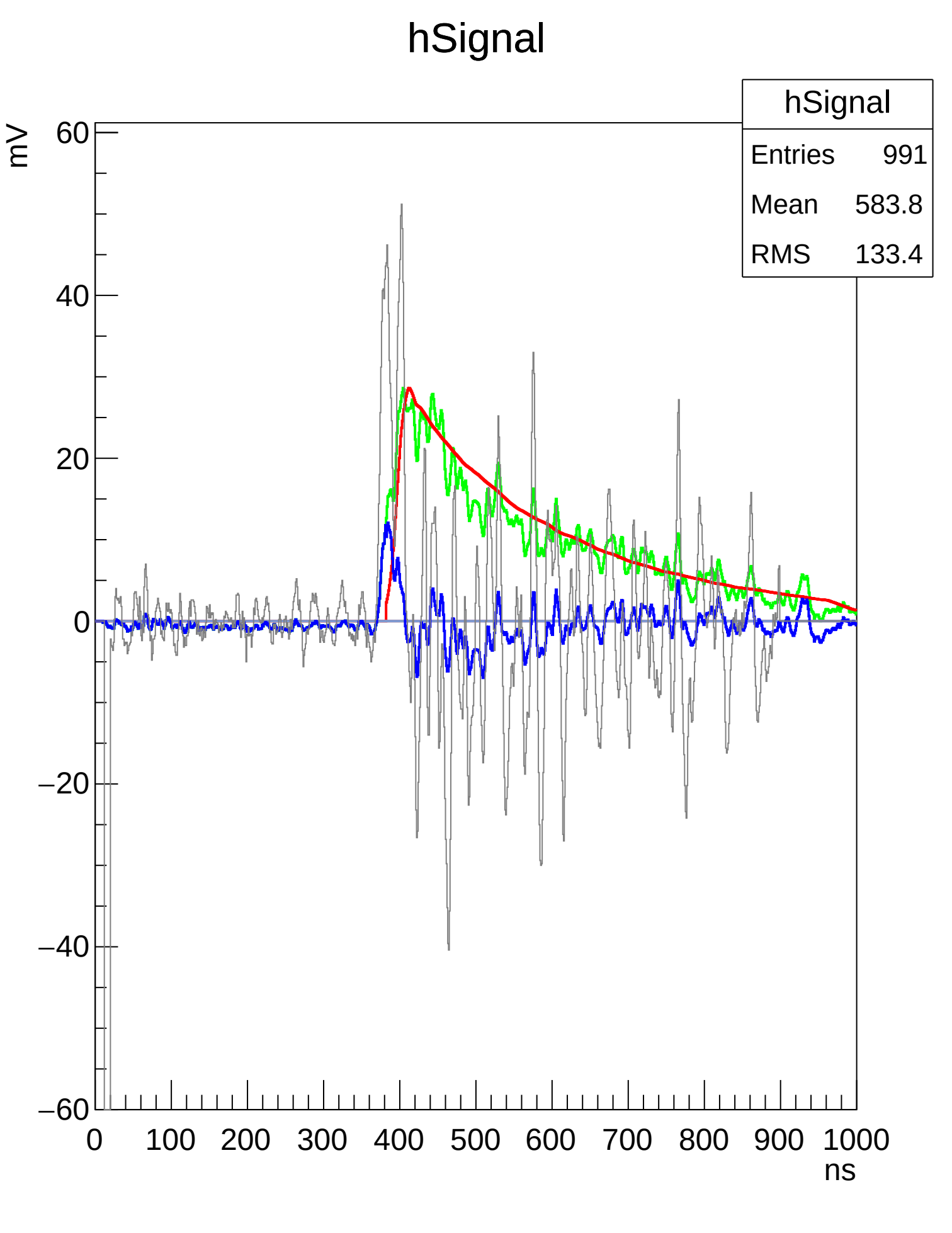
hSignal
hSignal
Entries 991
Mean 583.8
RMS 133.4
mV
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0
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400
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1000
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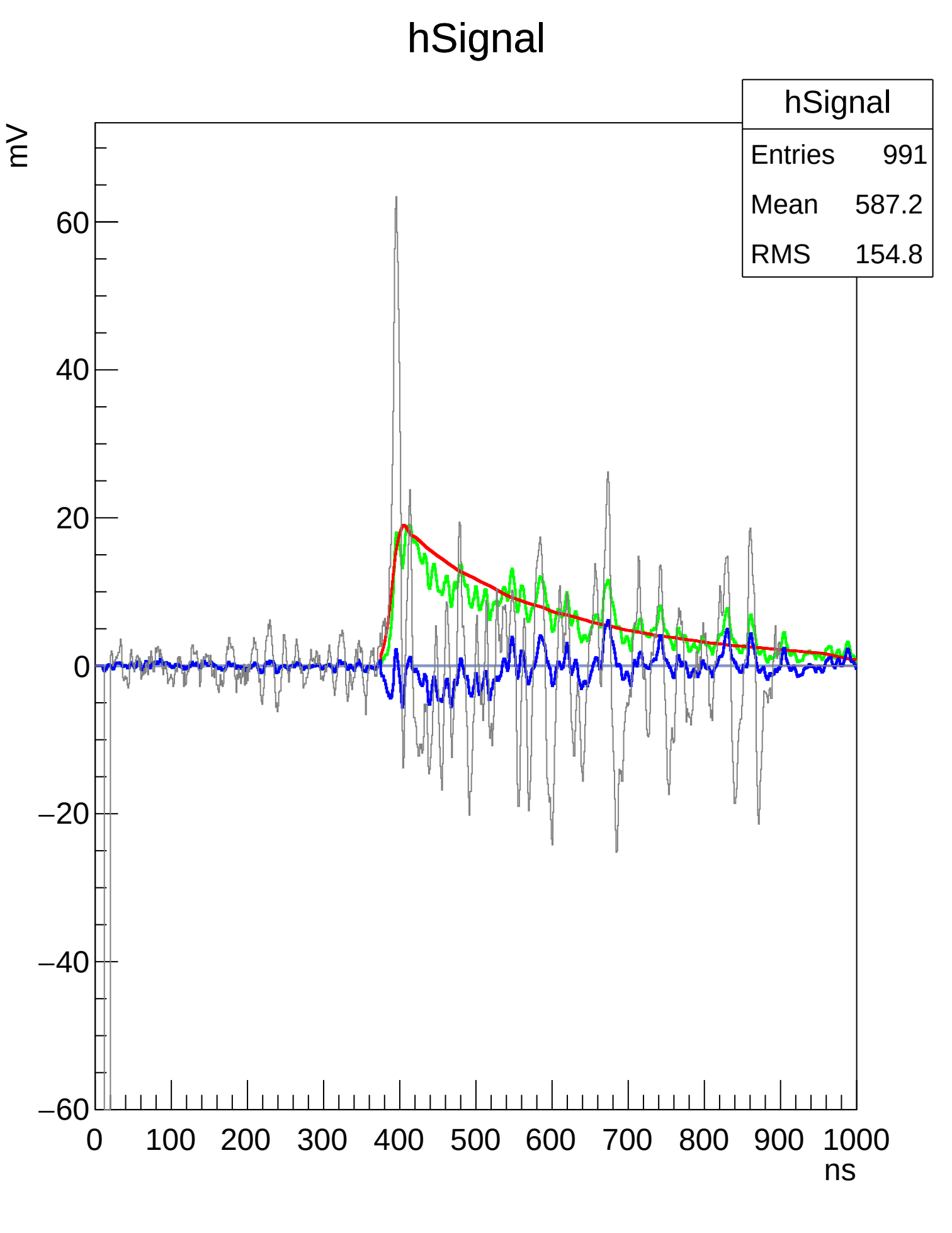
hSignal
hSignal
Entries 991
Mean 587.2
RMS 154.8
mV
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0
−20
−40
−60
0
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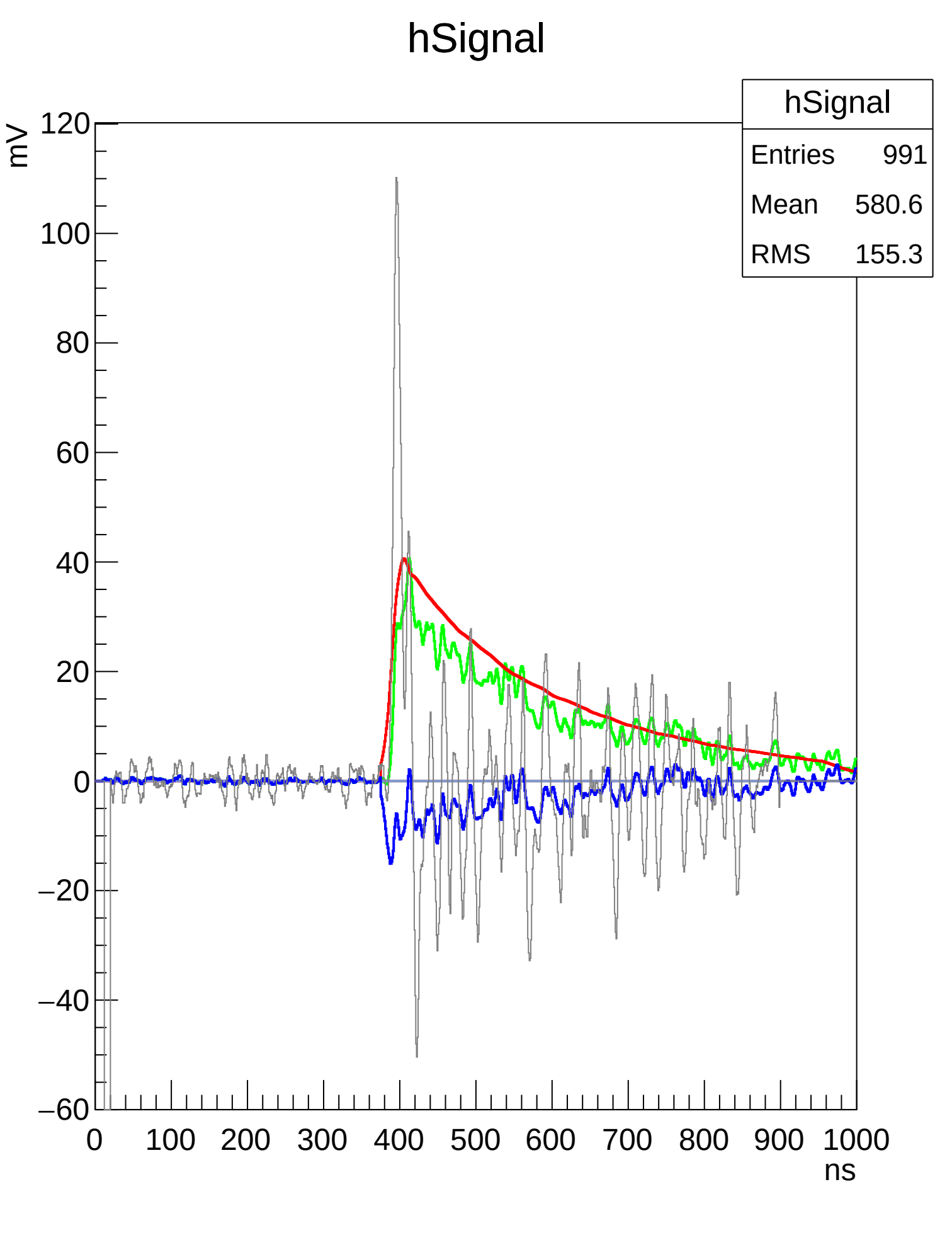
1000
ns


hSignal
hSignal
Entries 991
Mean 580.6
RMS 155.3
mV
120
100
80
60
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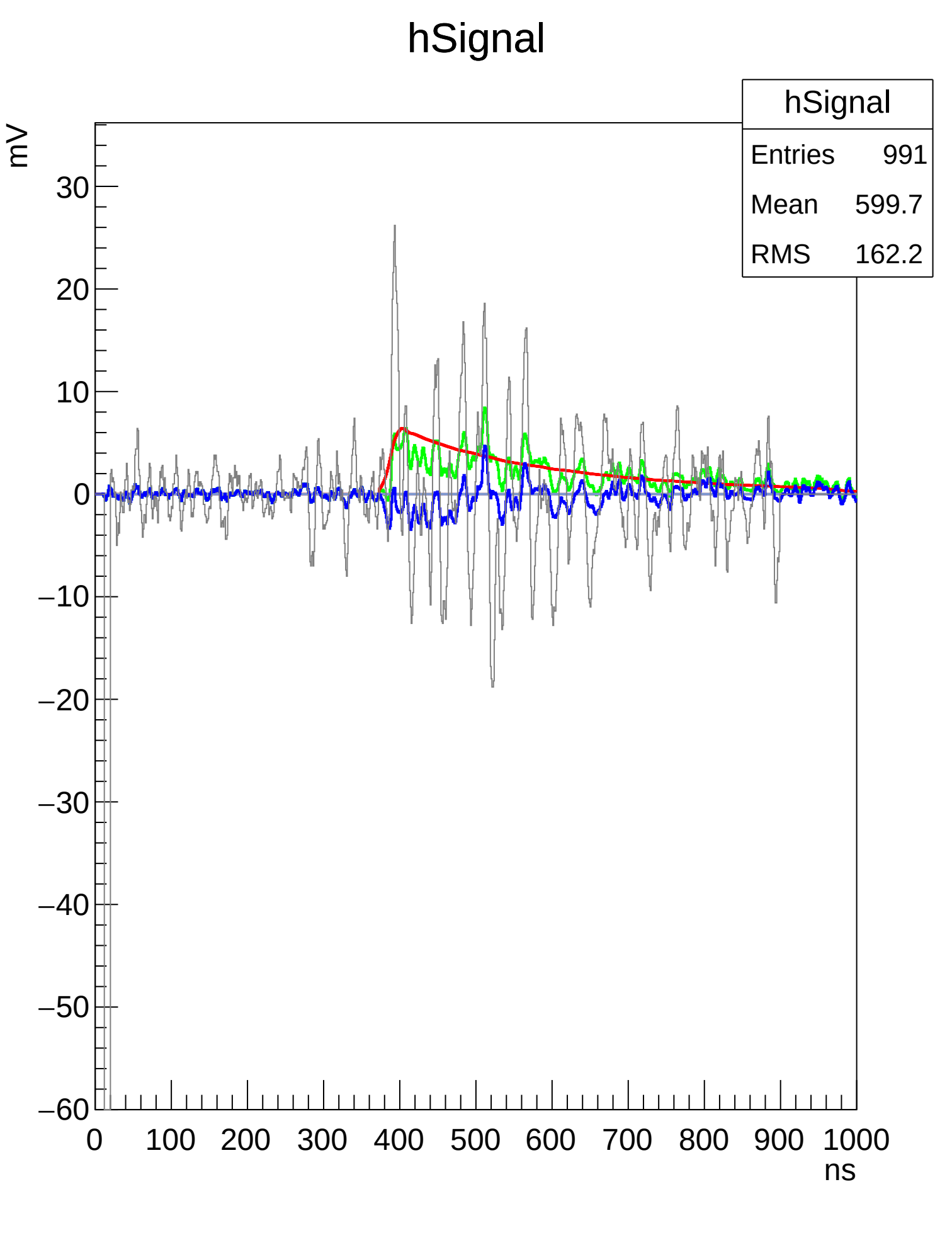
hSignal
hSignal
Entries 991
Mean 599.7
RMS 162.2
mV
30
20
10
0
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0
100
200
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1000
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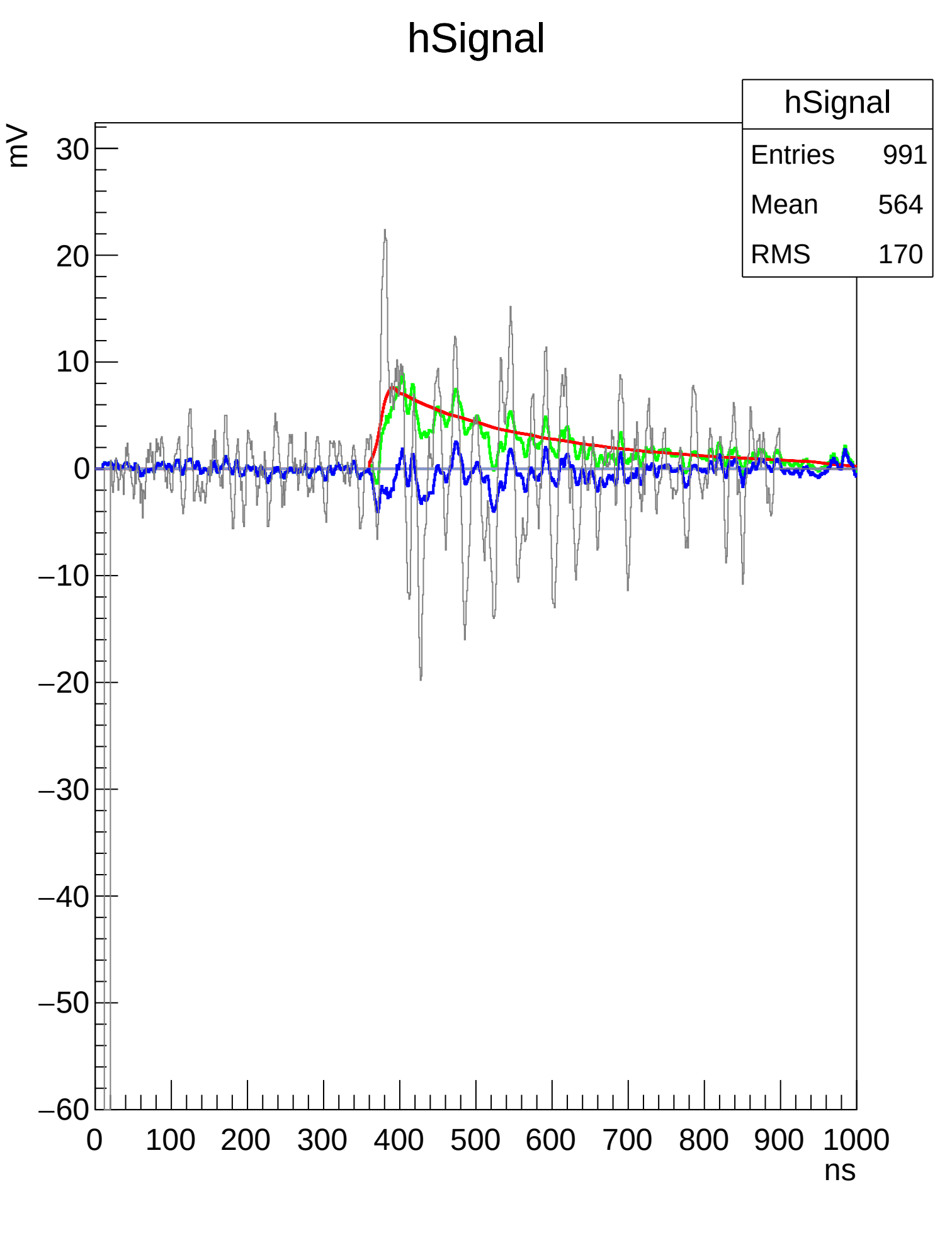
hSignal
hSignal
Entries 991
Mean 564
RMS 170
mV
30
20
10
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−40
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0
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800
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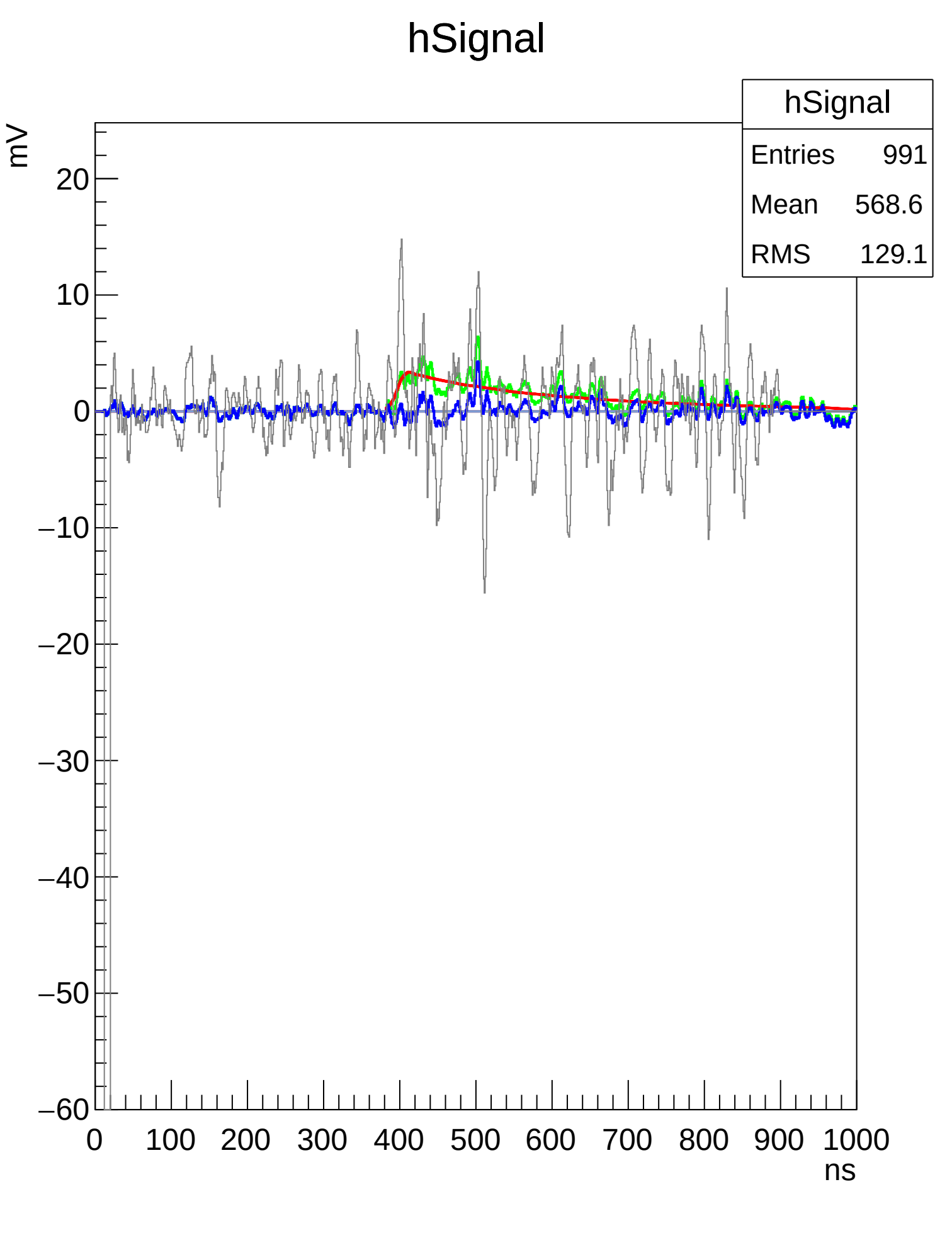
hSignal
hSignal
Entries 991
Mean 568.6
RMS 129.1
mV
20
10
0
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0
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400
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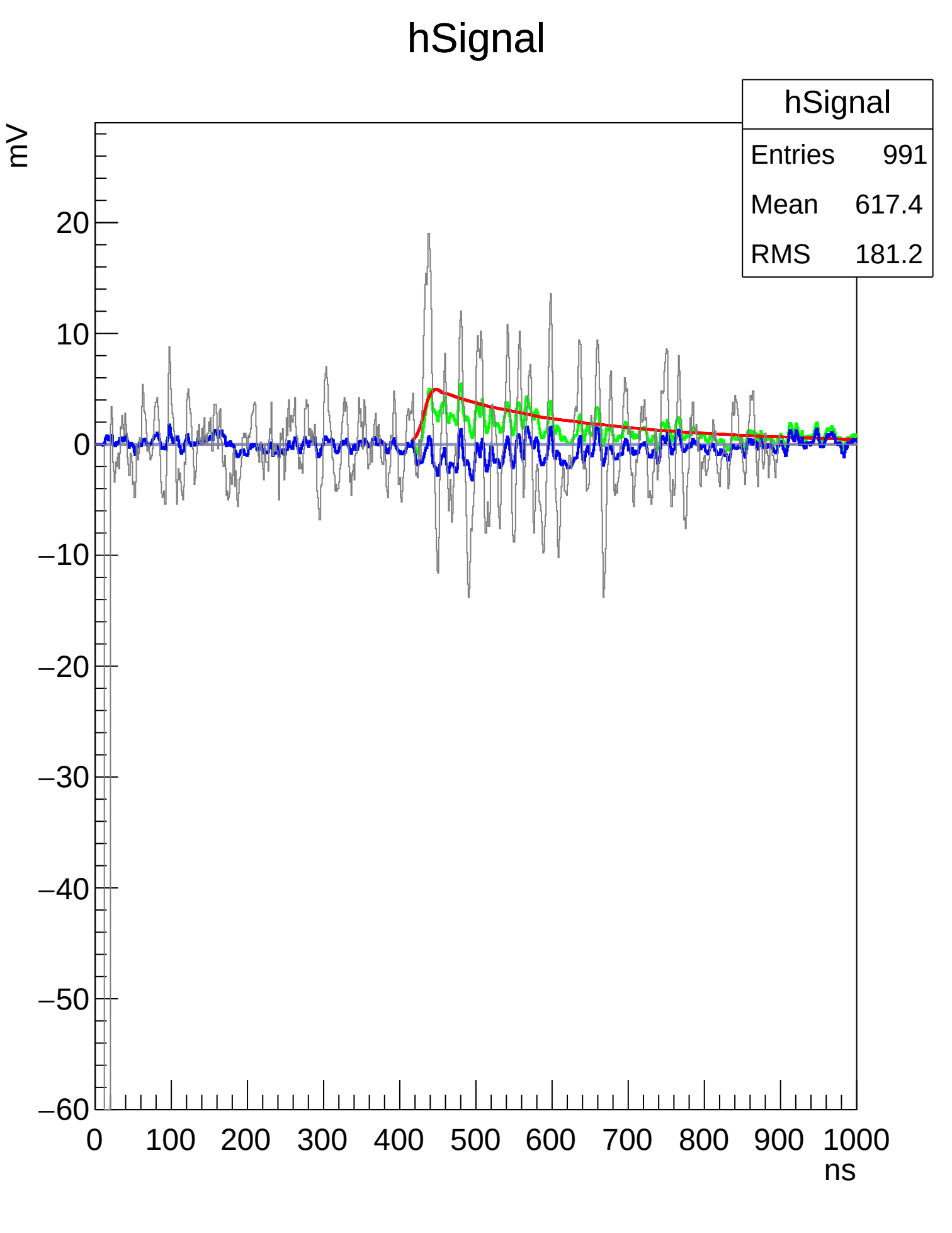
hSignal
hSignal
Entries 991
Mean 617.4
RMS 181.2
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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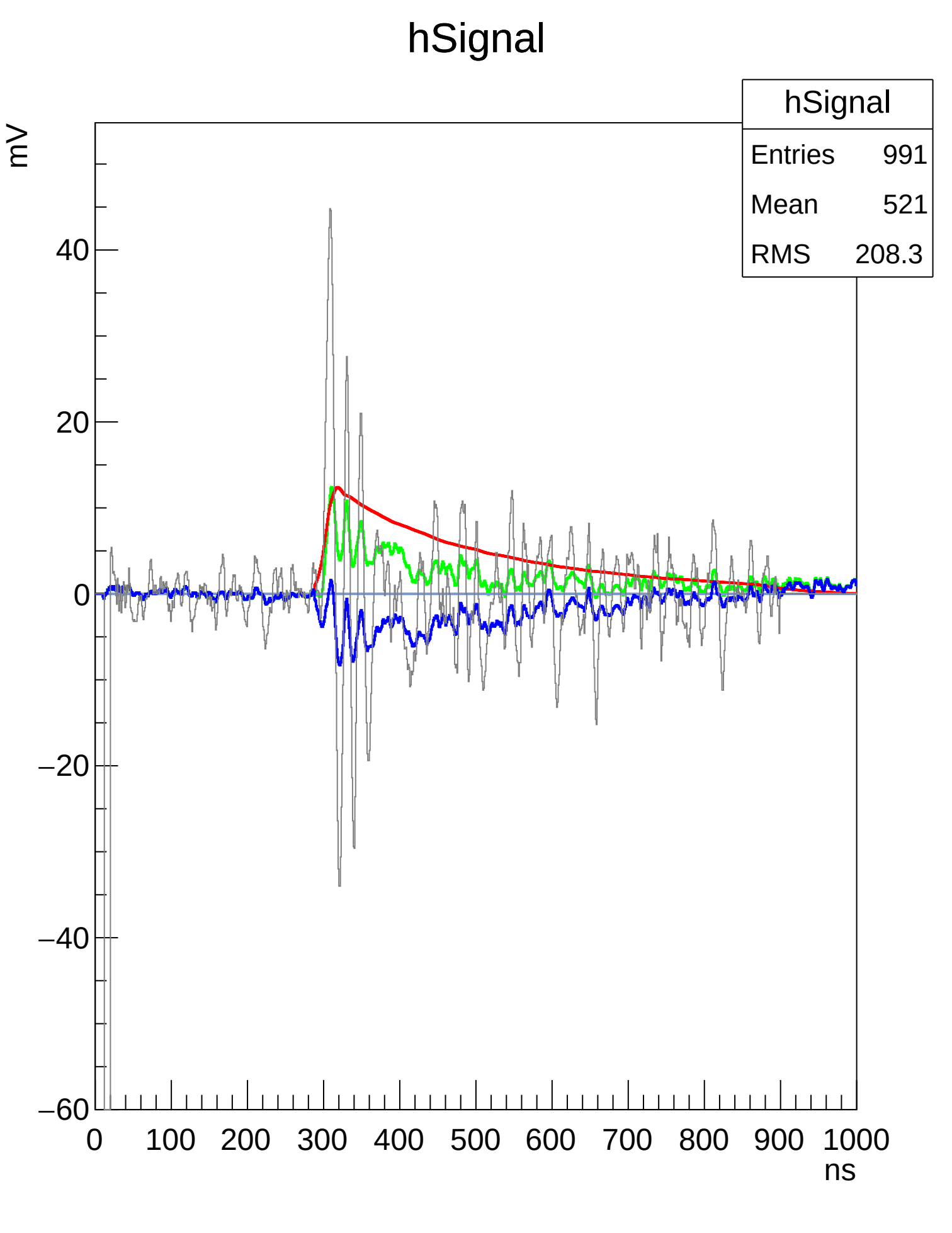
1000
ns


hSignal
hSignal
Entries 991
Mean 521
RMS 208.3
mV
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−20
−40
−60
0
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700
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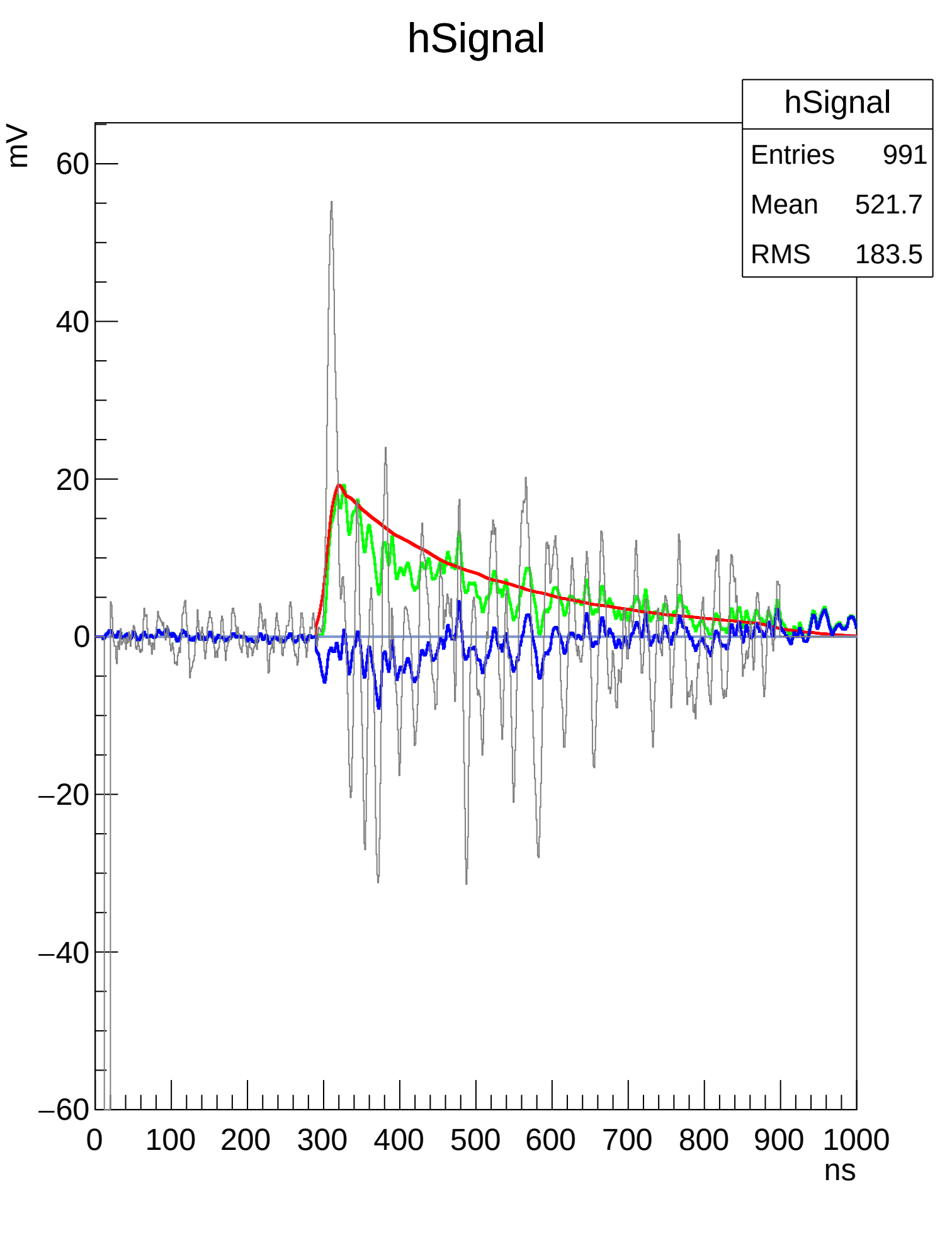
1000
ns


hSignal
hSignal
Entries 991
Mean 521.7
RMS 183.5
mV
60
40
20
0
−20
−40
−60
0
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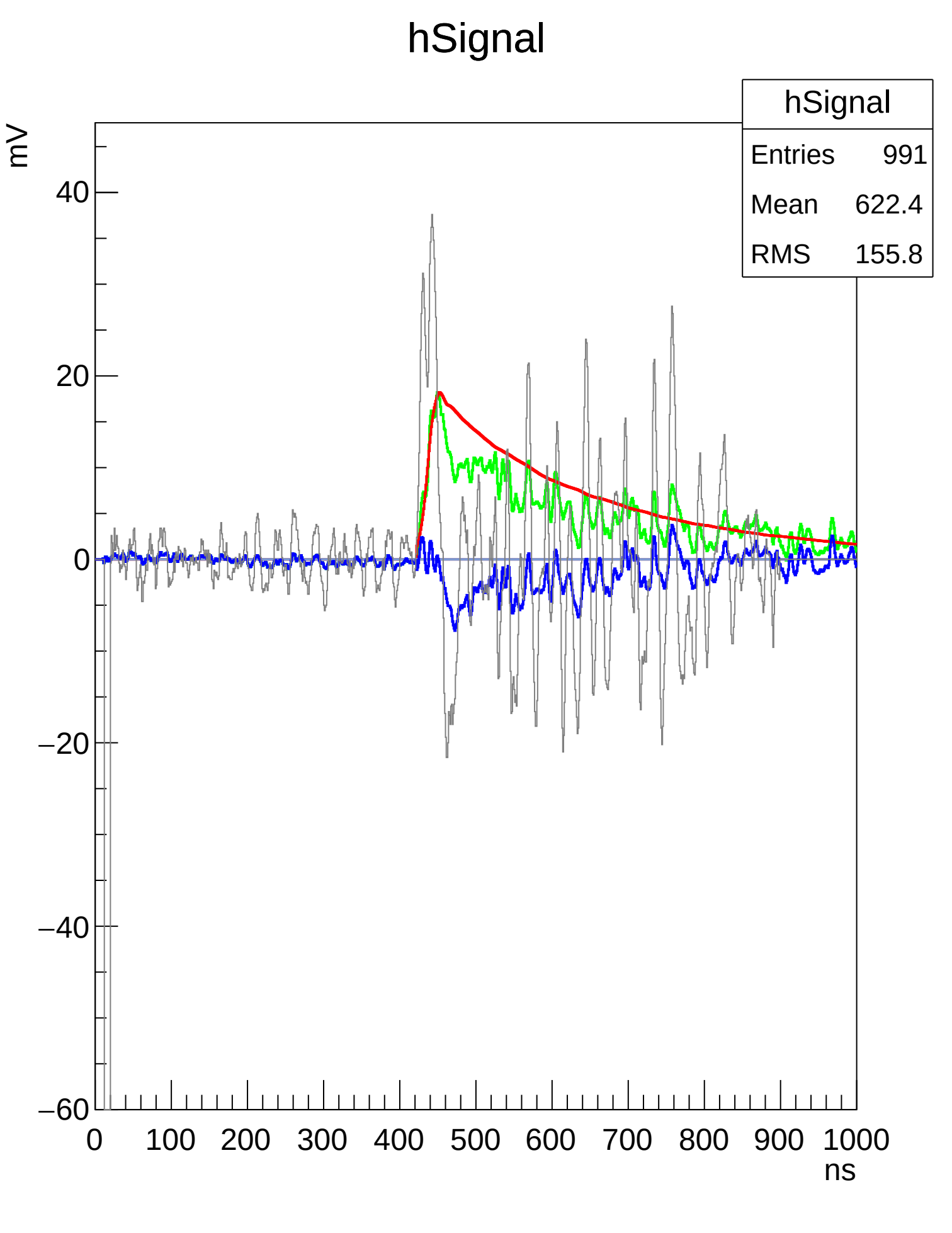
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.4
RMS 155.8
mV
40
20
0
−20
−40
−60
0
100
200
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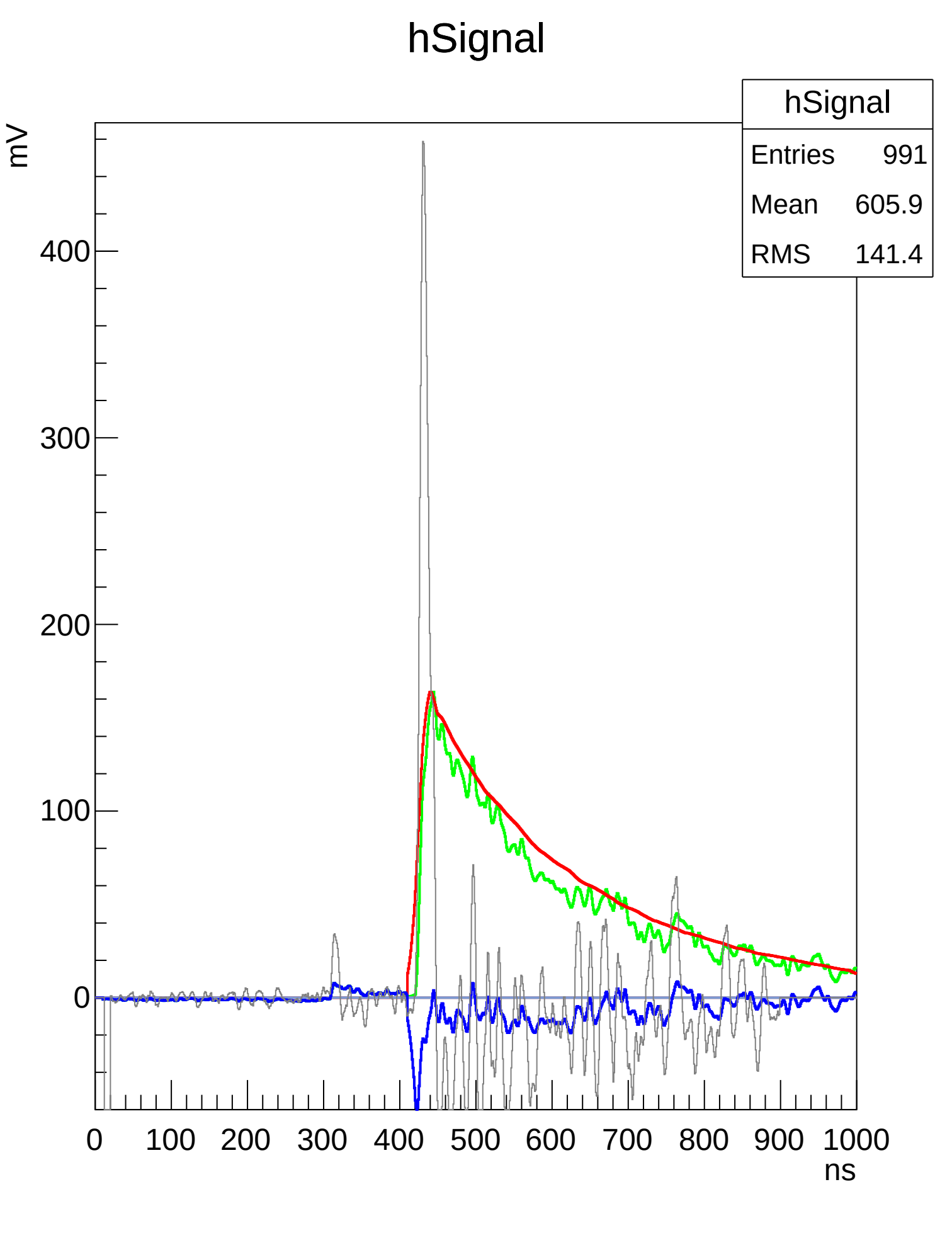
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 141.4
mV
400
300
200
100
0
0
100
200
300
400
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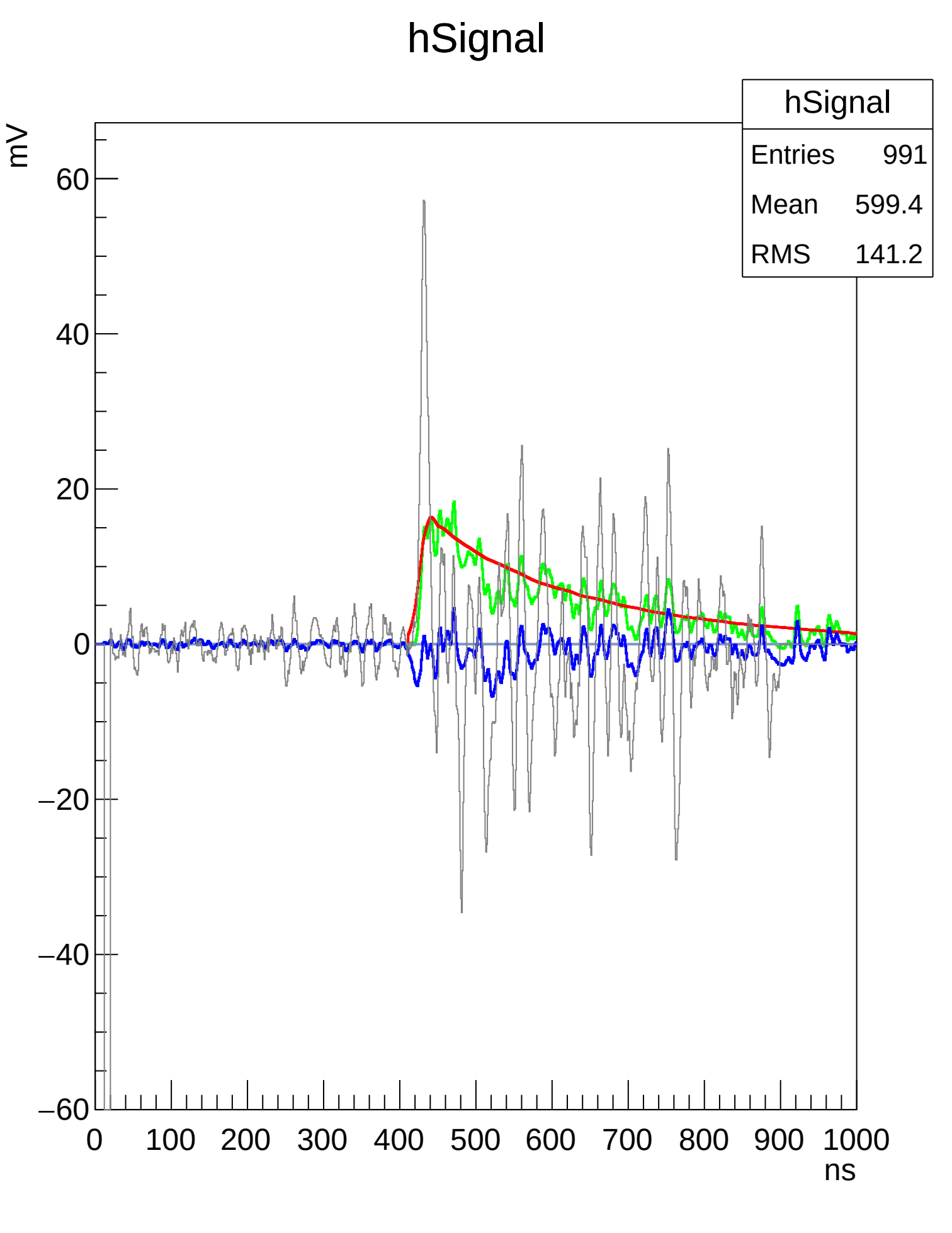
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.4
RMS 141.2
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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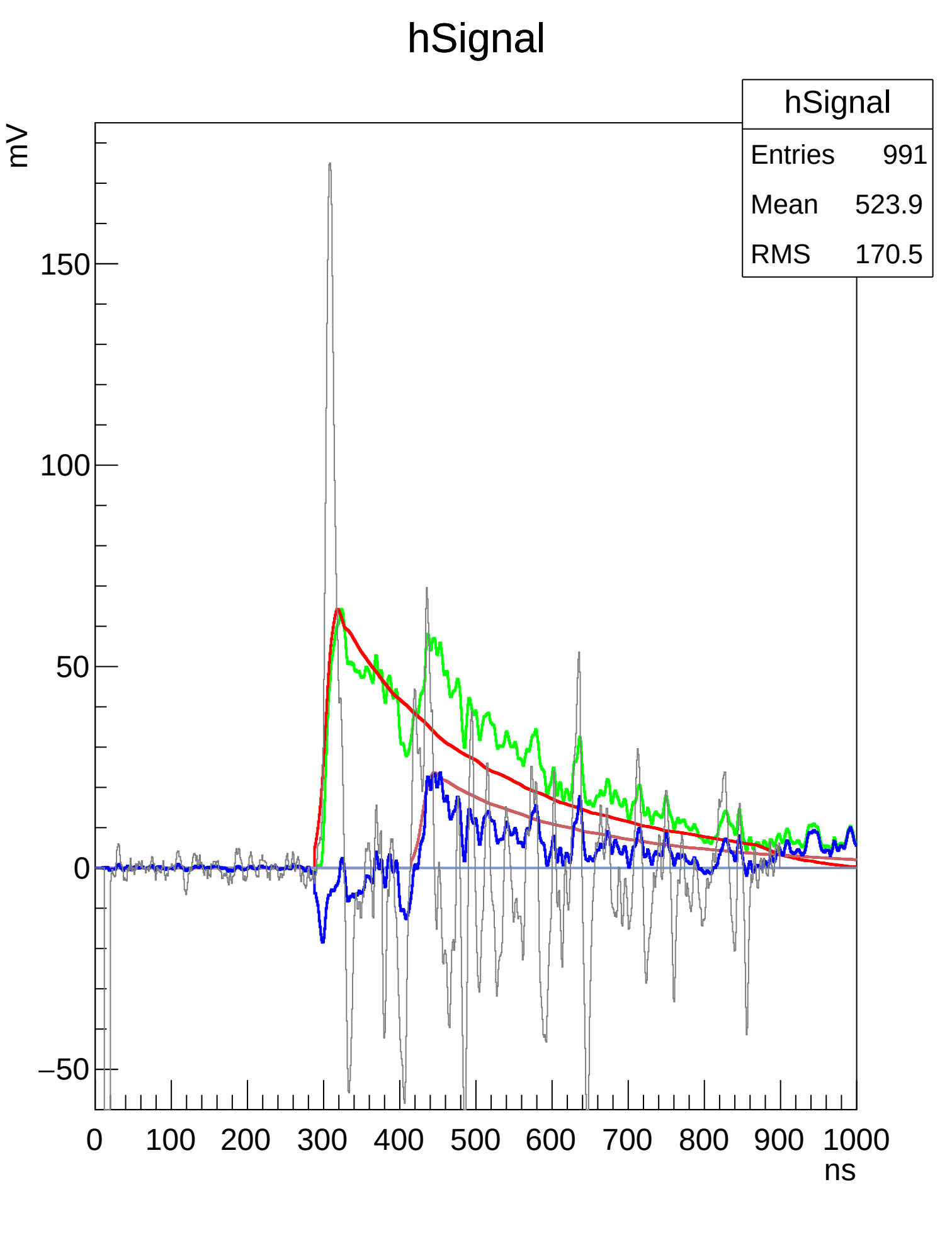
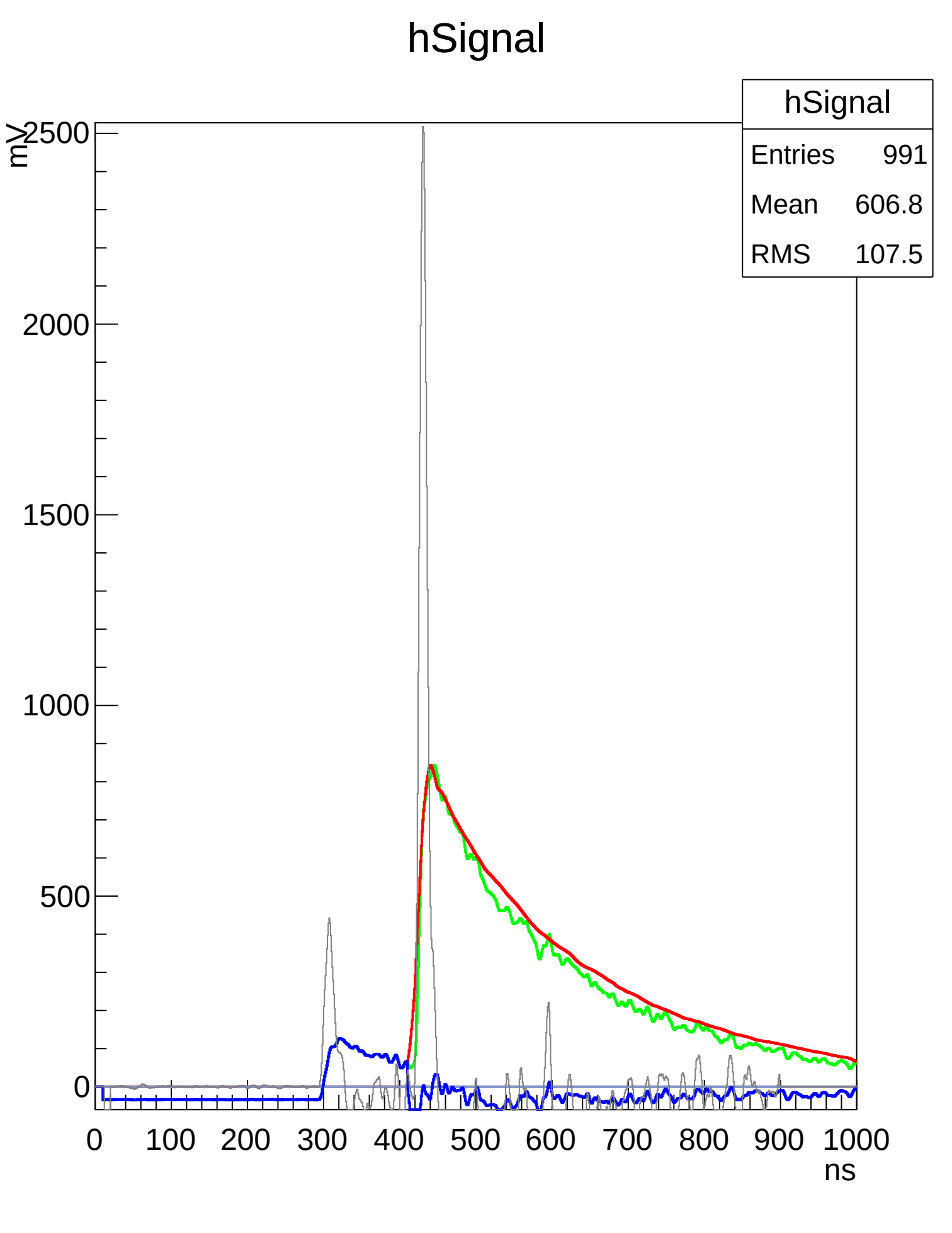
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523.9
RMS 170.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.8
RMS 107.5
mV
2500
2000
1500
1000
500
0
0
100
200
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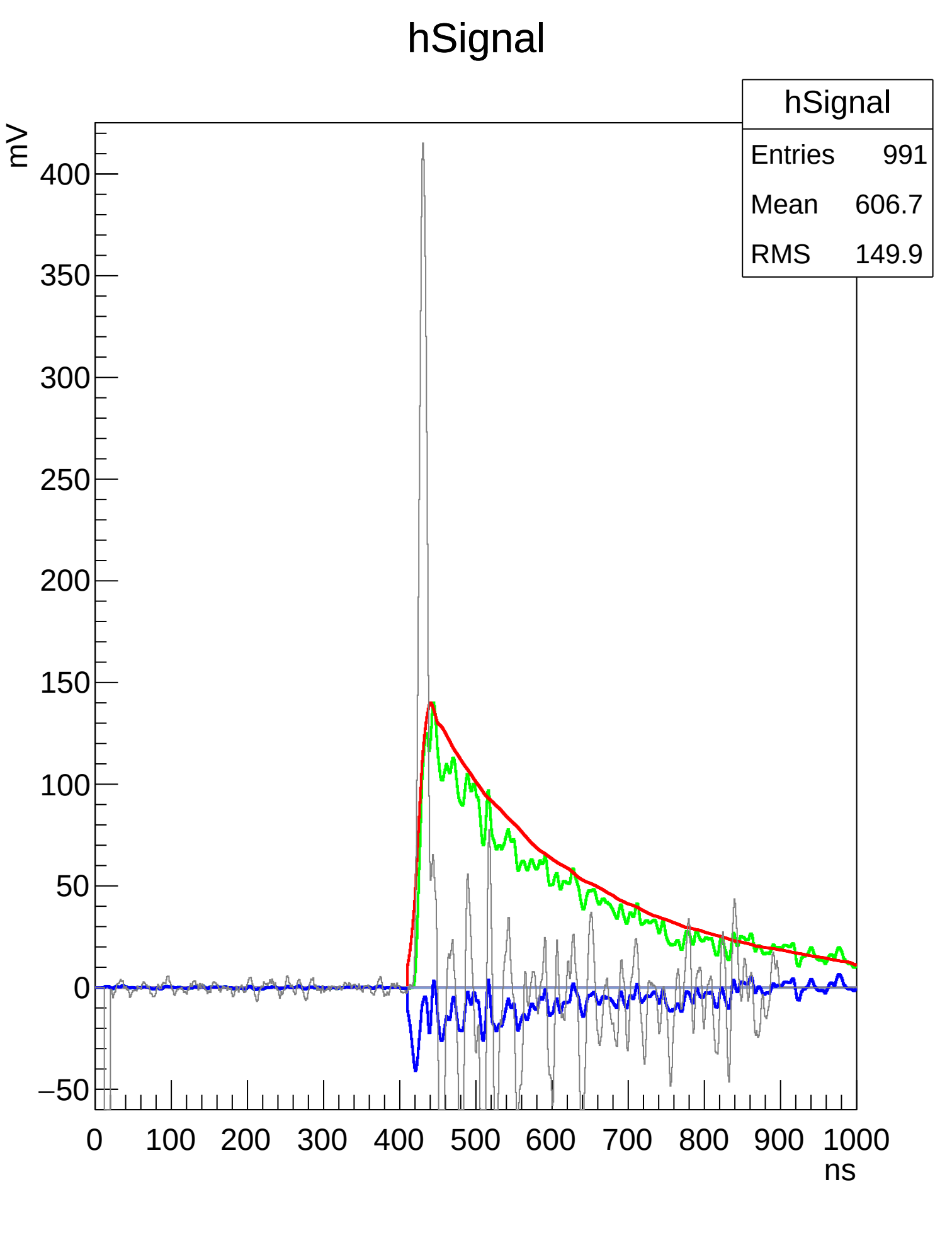
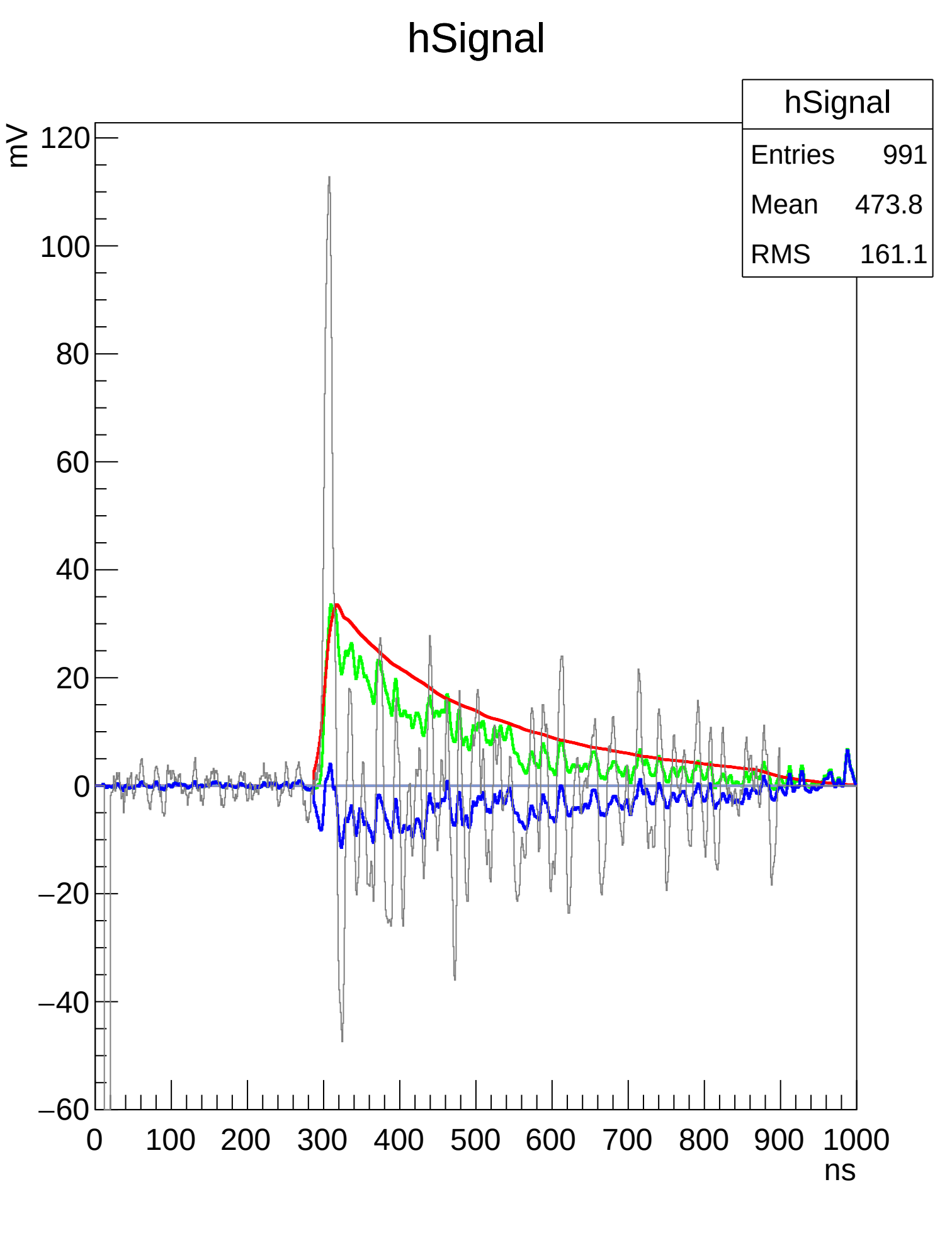
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.7
RMS 149.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns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hSignal
Entries 991
Mean 473.8
RMS 161.1
mV
120
100
80
60
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−20
−40
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0
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200
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400
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600
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800
900
1000
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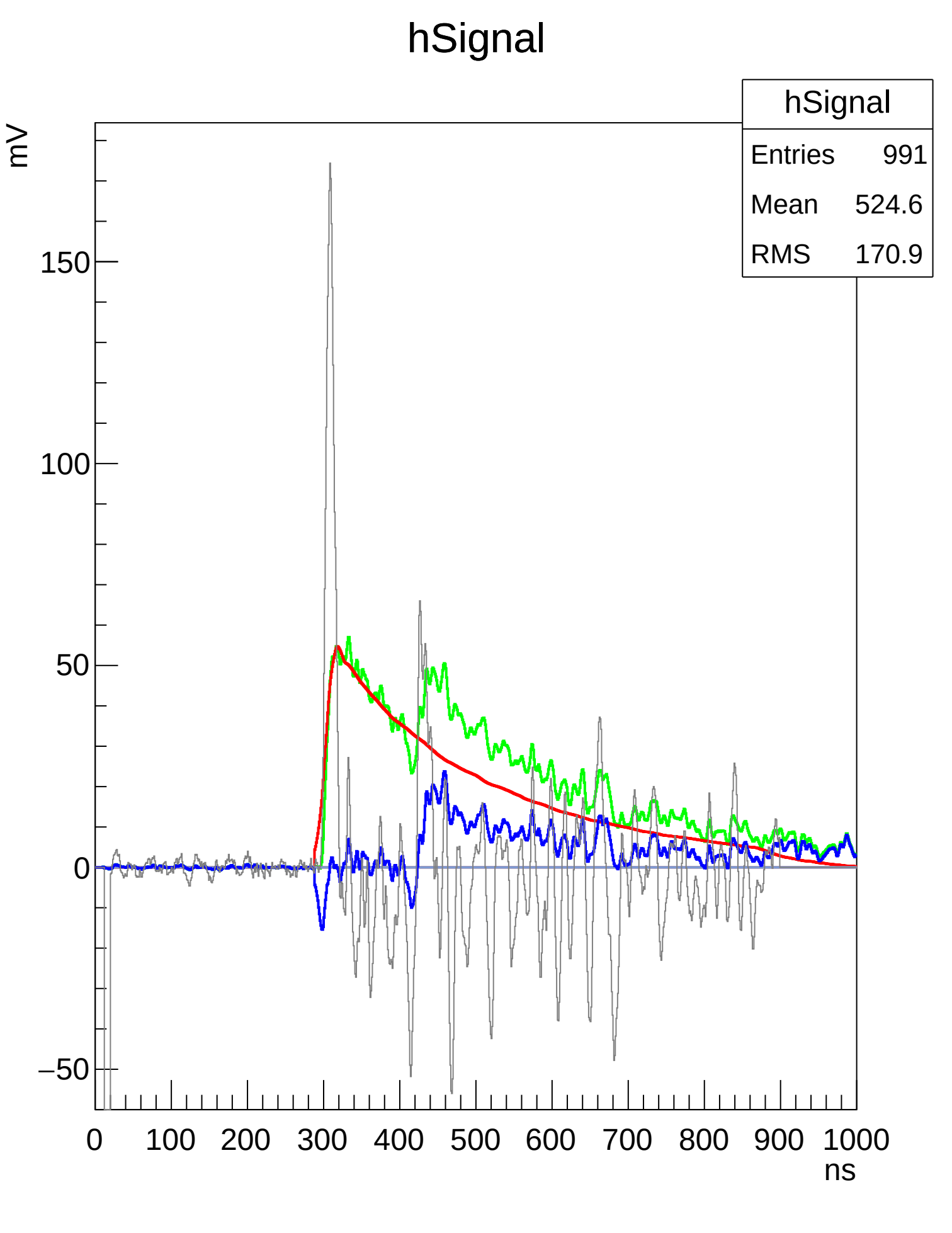
hSignal
hSignal
Entries 991
Mean 524.6
RMS 170.9
mV
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100
50
0
−50
0
100
200
300
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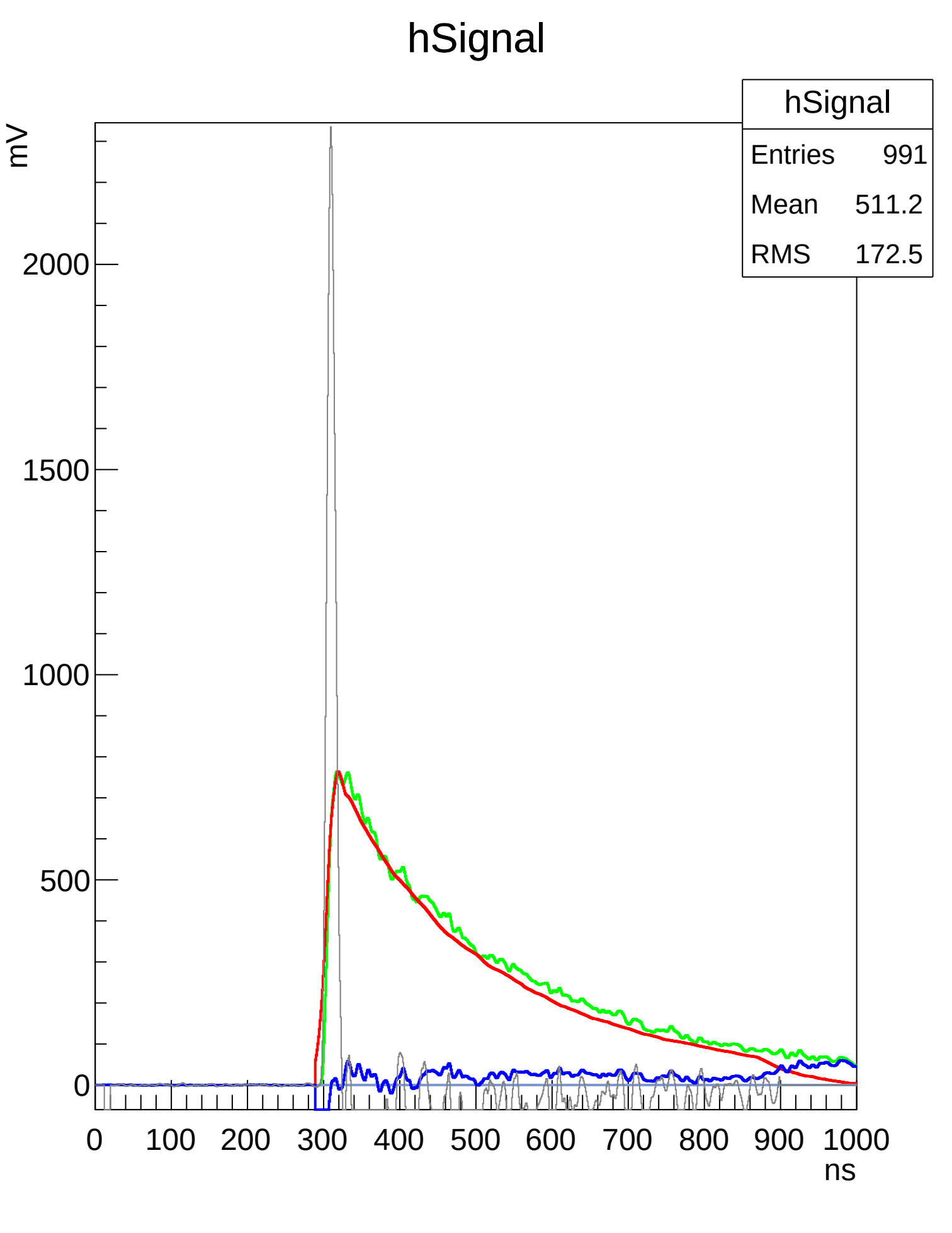
600
700
800
900
1000
ns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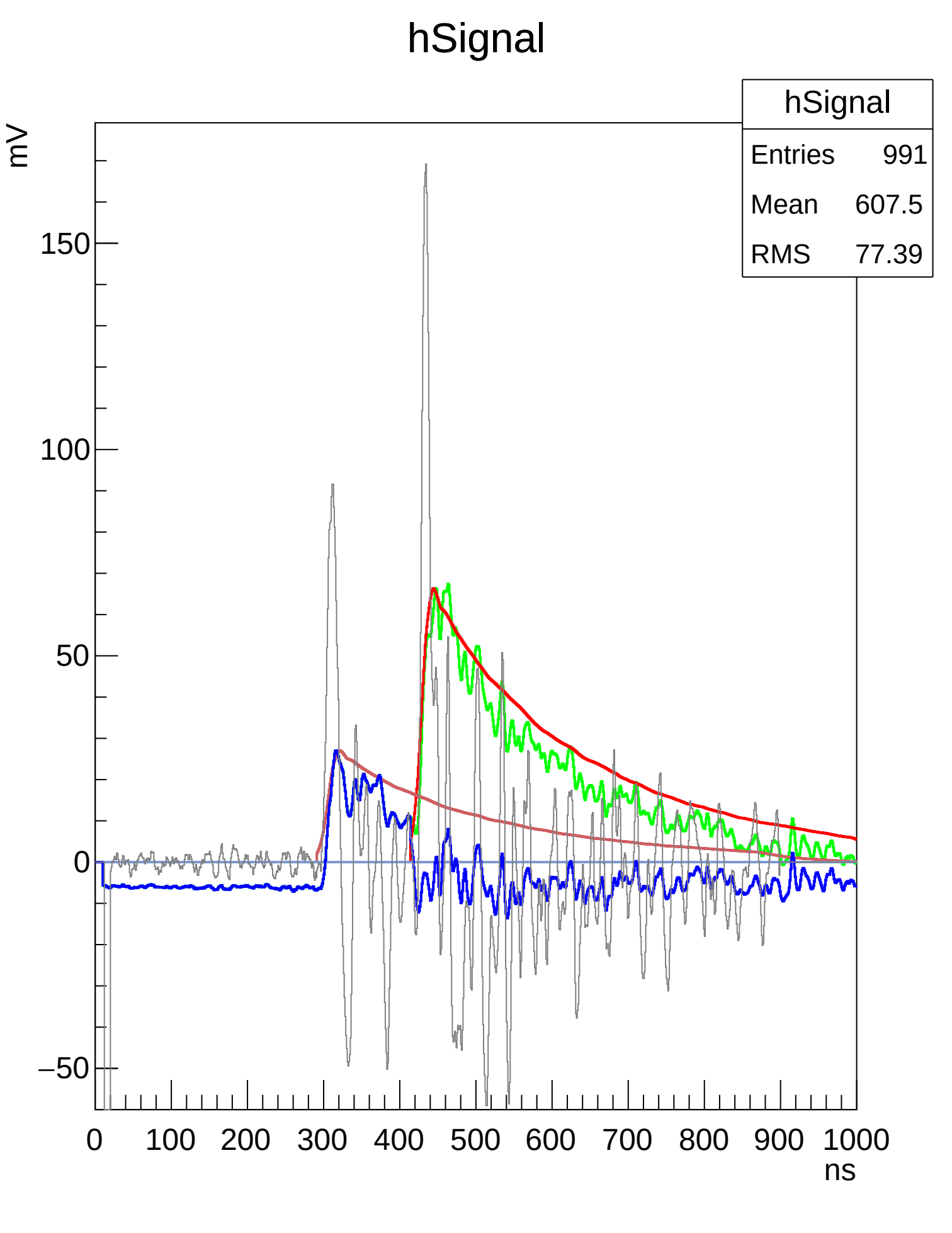
hSignal
Entries 991
Mean 511.2
RMS 172.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 607.5
RMS 77.39
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0
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0
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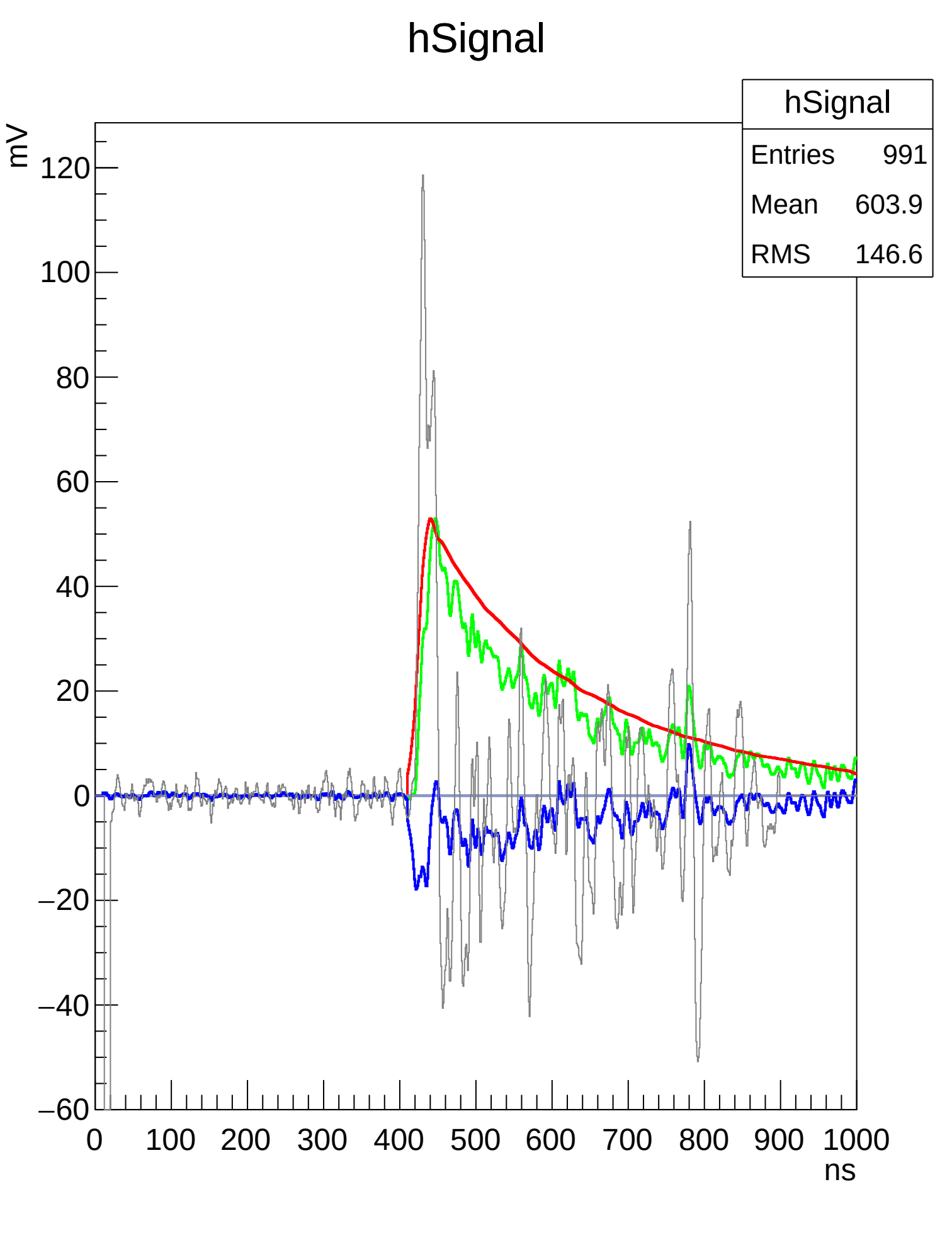
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.9
RMS 146.6
mV
120
100
80
60
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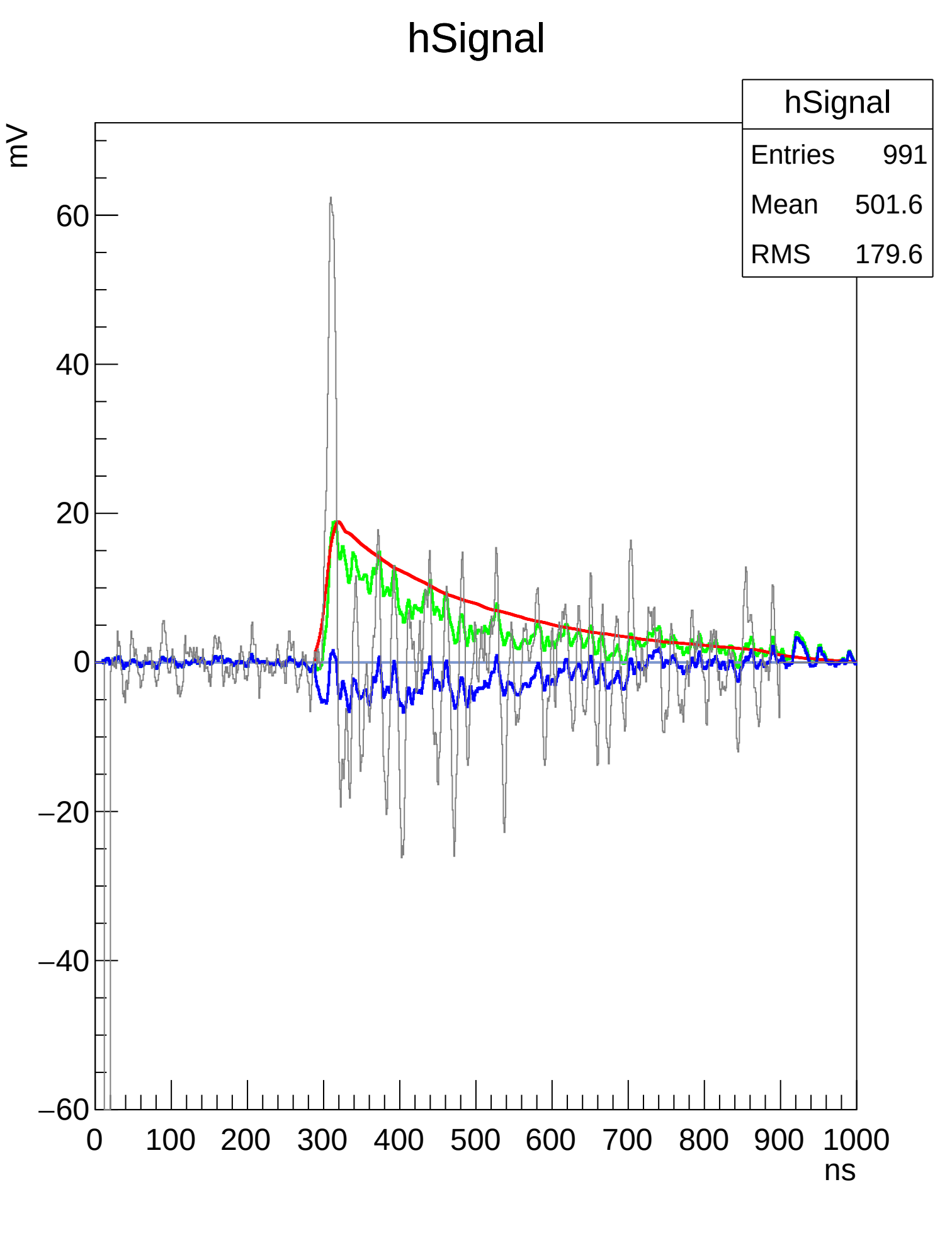
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.6
RMS 179.6
mV
60
40
20
0
−20
−40
−60
0
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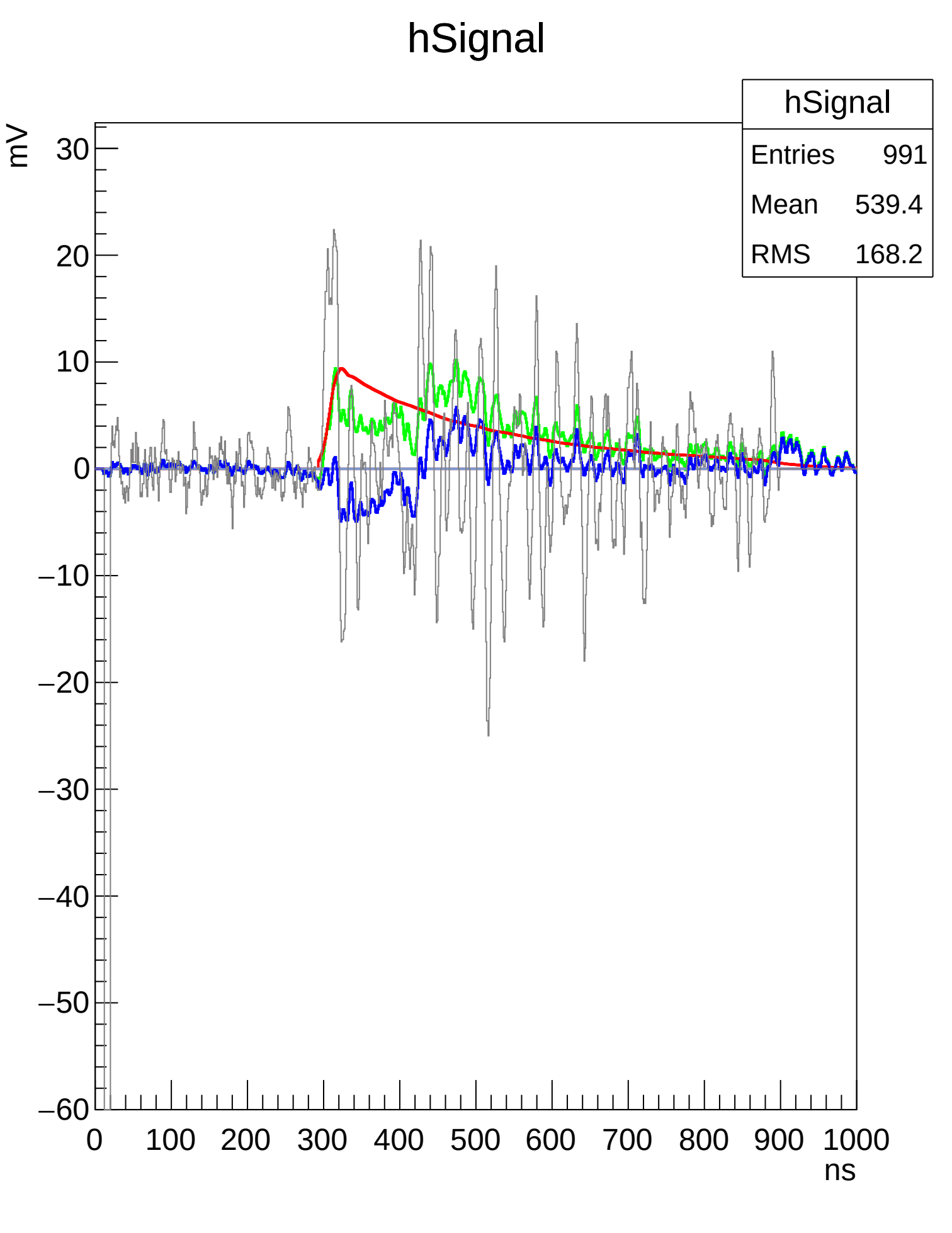
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.4
RMS 168.2
mV
30
20
10
0
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−50
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0
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200
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400
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800
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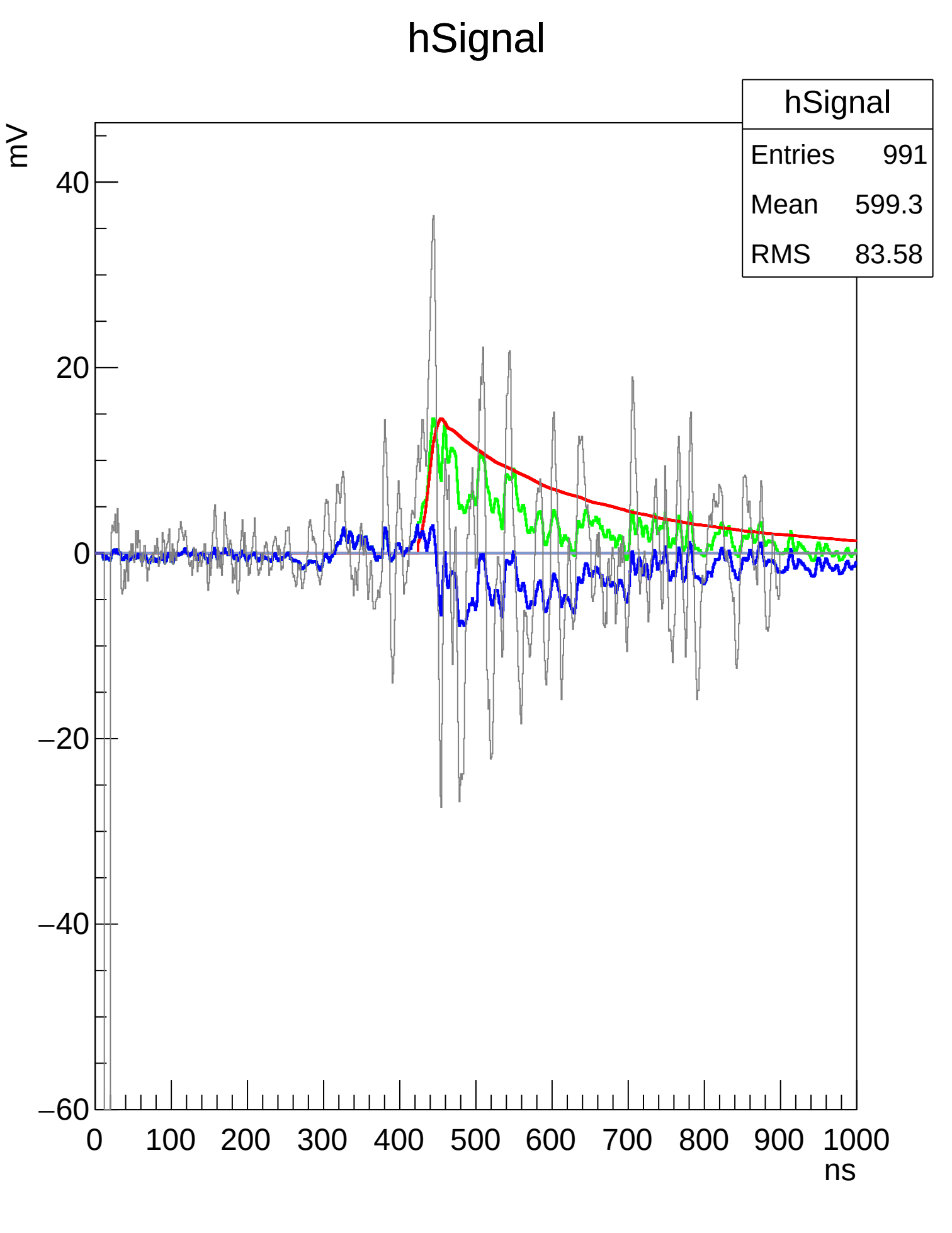
1000
ns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hSignal
Entries 991
Mean 599.3
RMS 83.58
mV
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−20
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0
100
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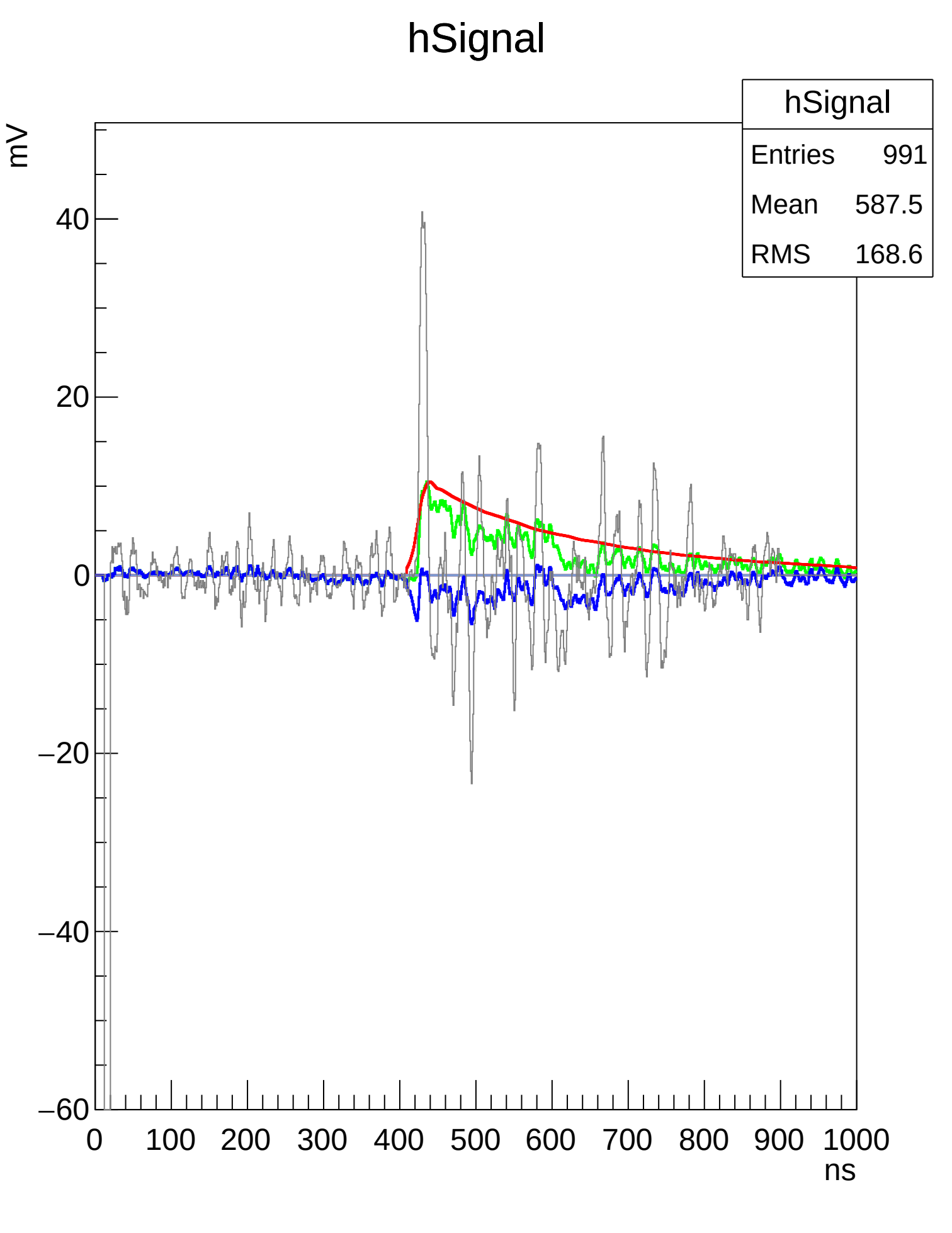
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587.5
RMS 168.6
mV
40
20
0
−20
−40
−60
0
100
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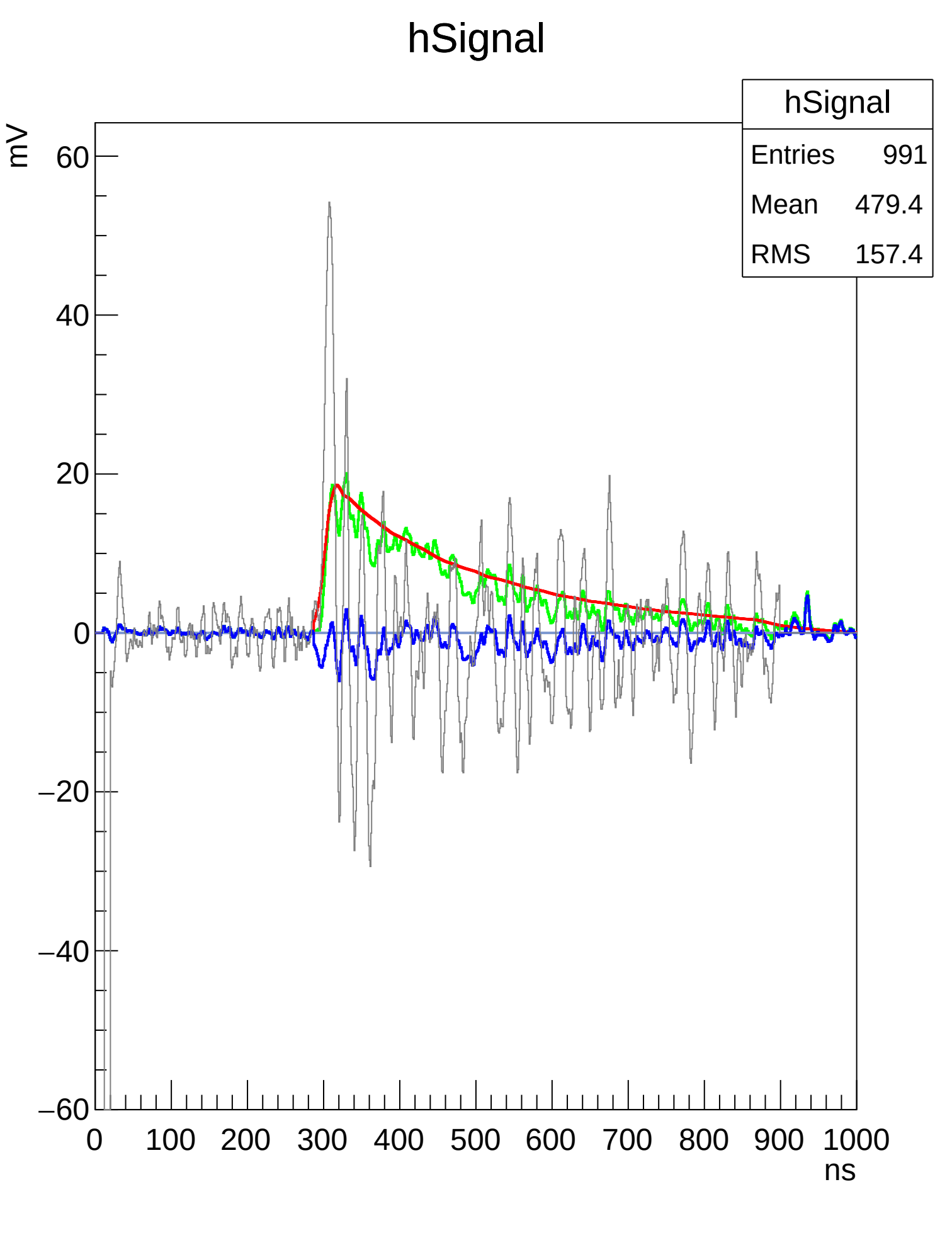
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.4
RMS 157.4
mV
60
40
20
0
−20
−40
−60
0
100
200
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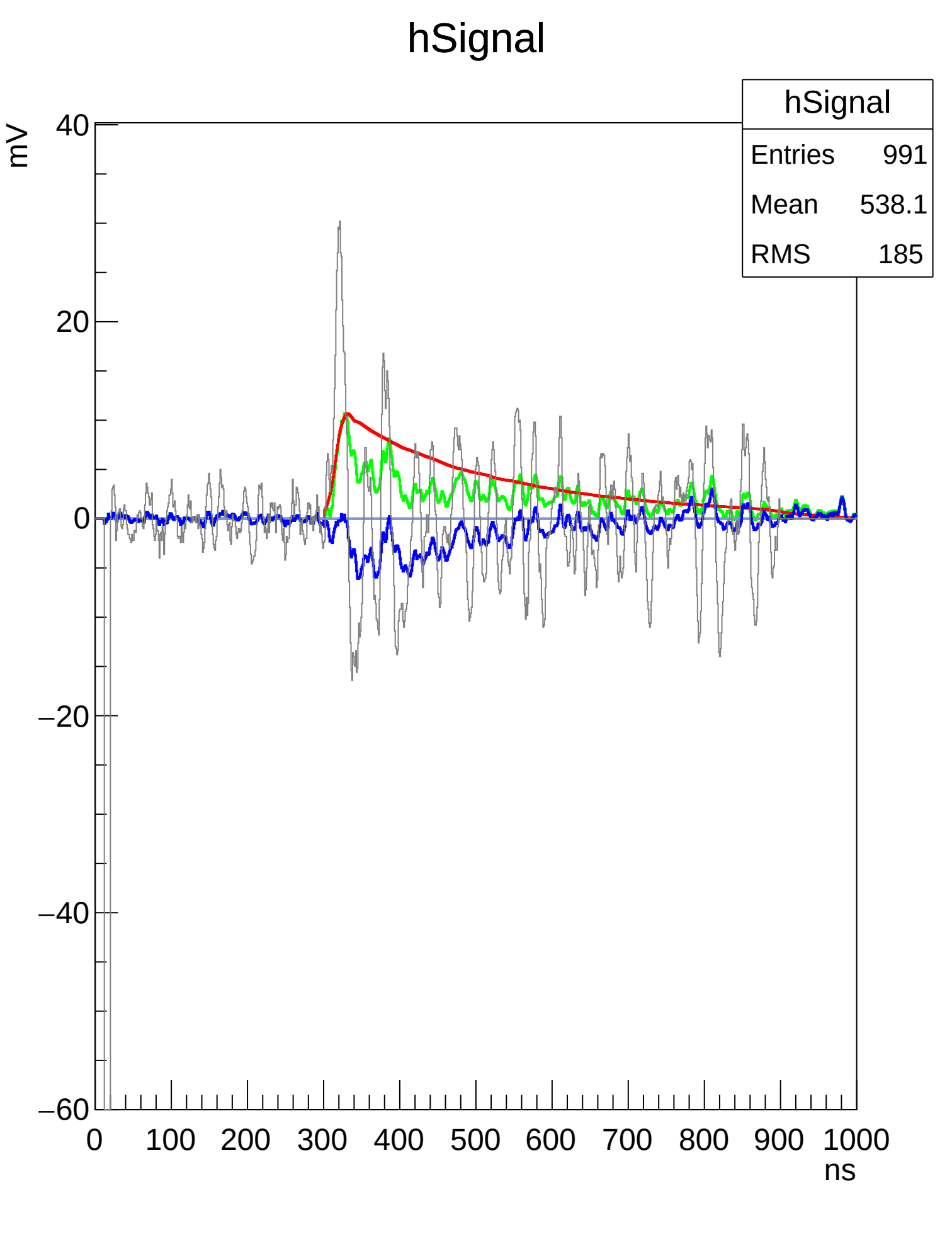
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 538.1
RMS 185
mV
40
20
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−20
−40
−60
0
100
200
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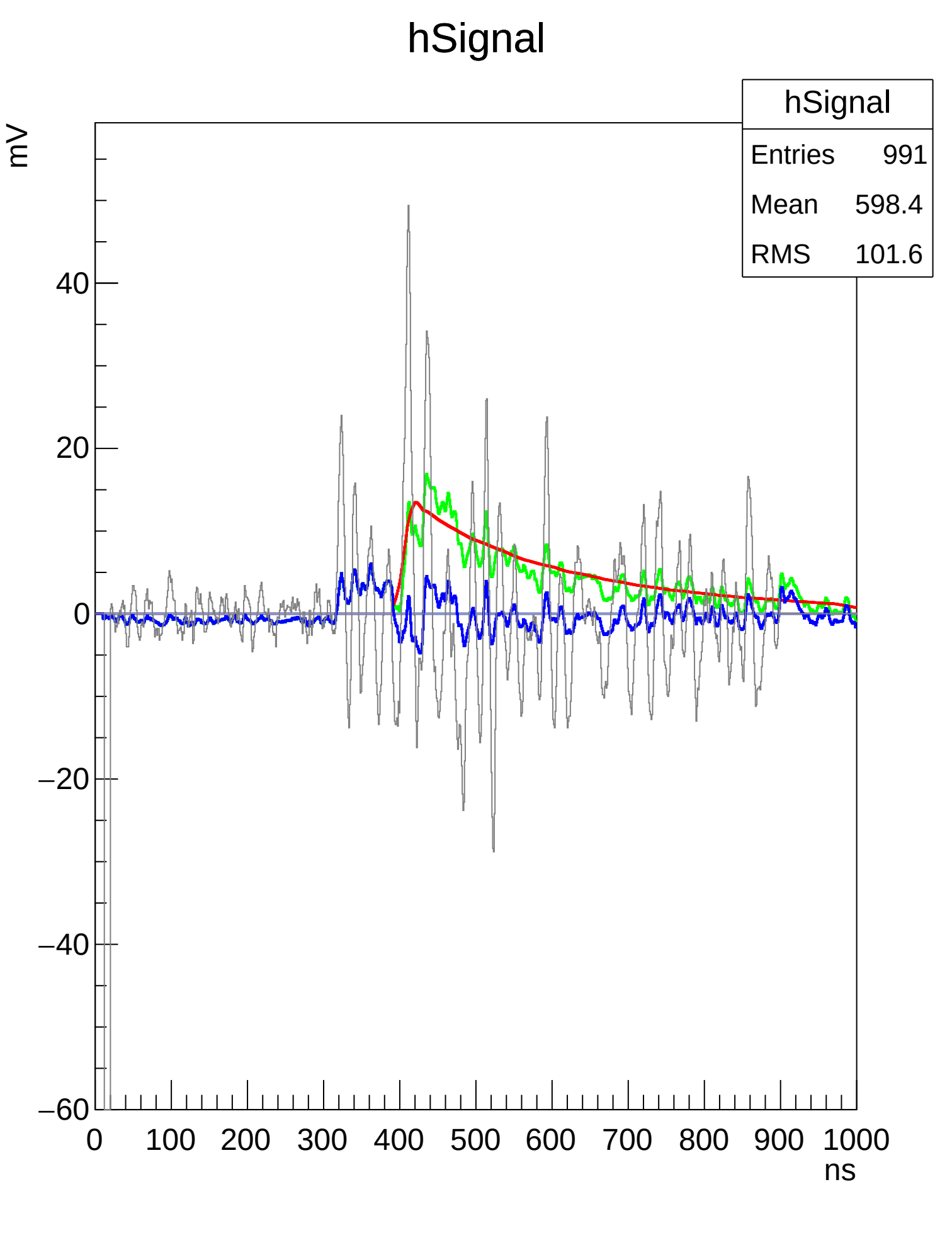
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.4
RMS 101.6
mV
40
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0
−20
−40
−60
0
100
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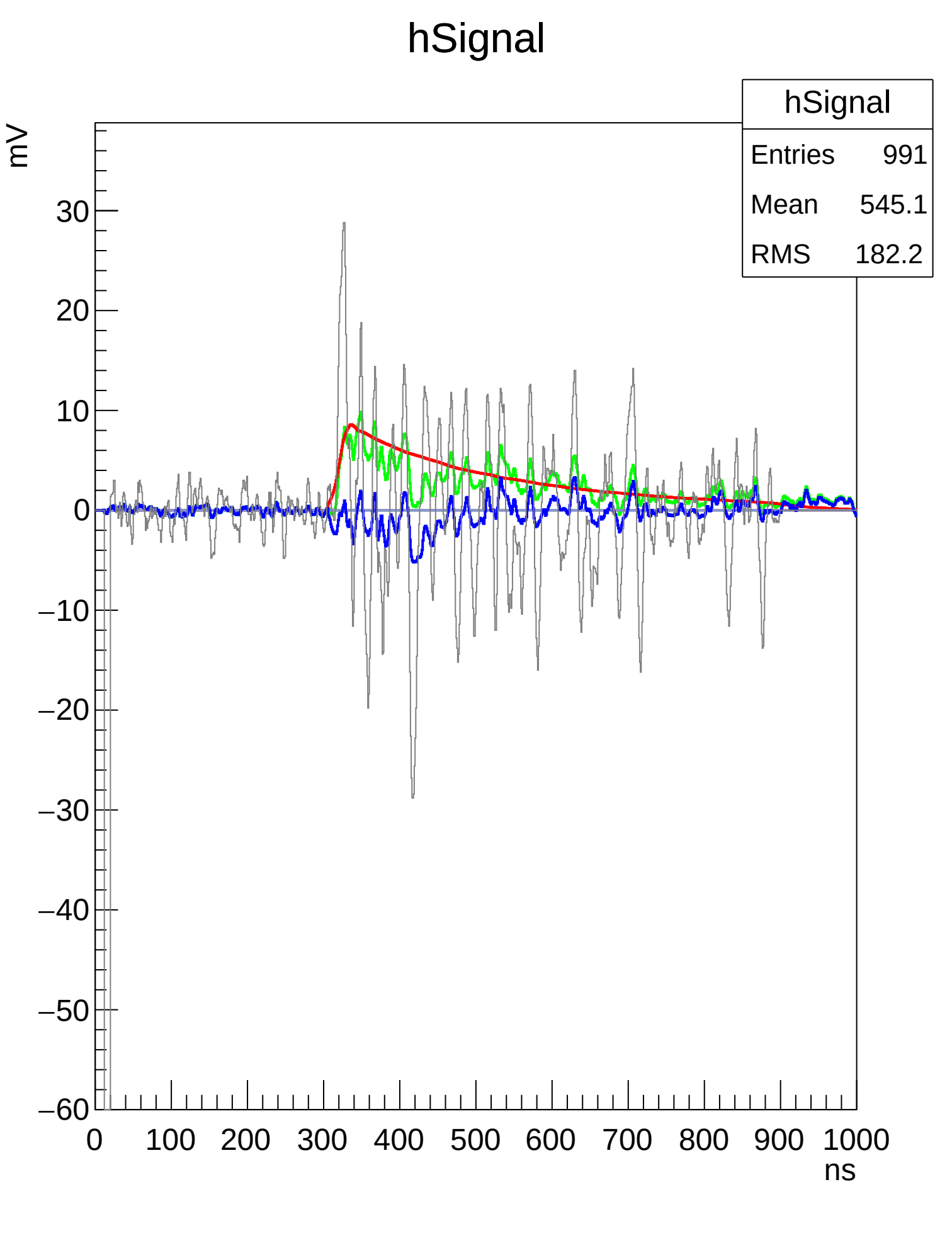
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.1
RMS 182.2
mV
30
20
10
0
−10
−20
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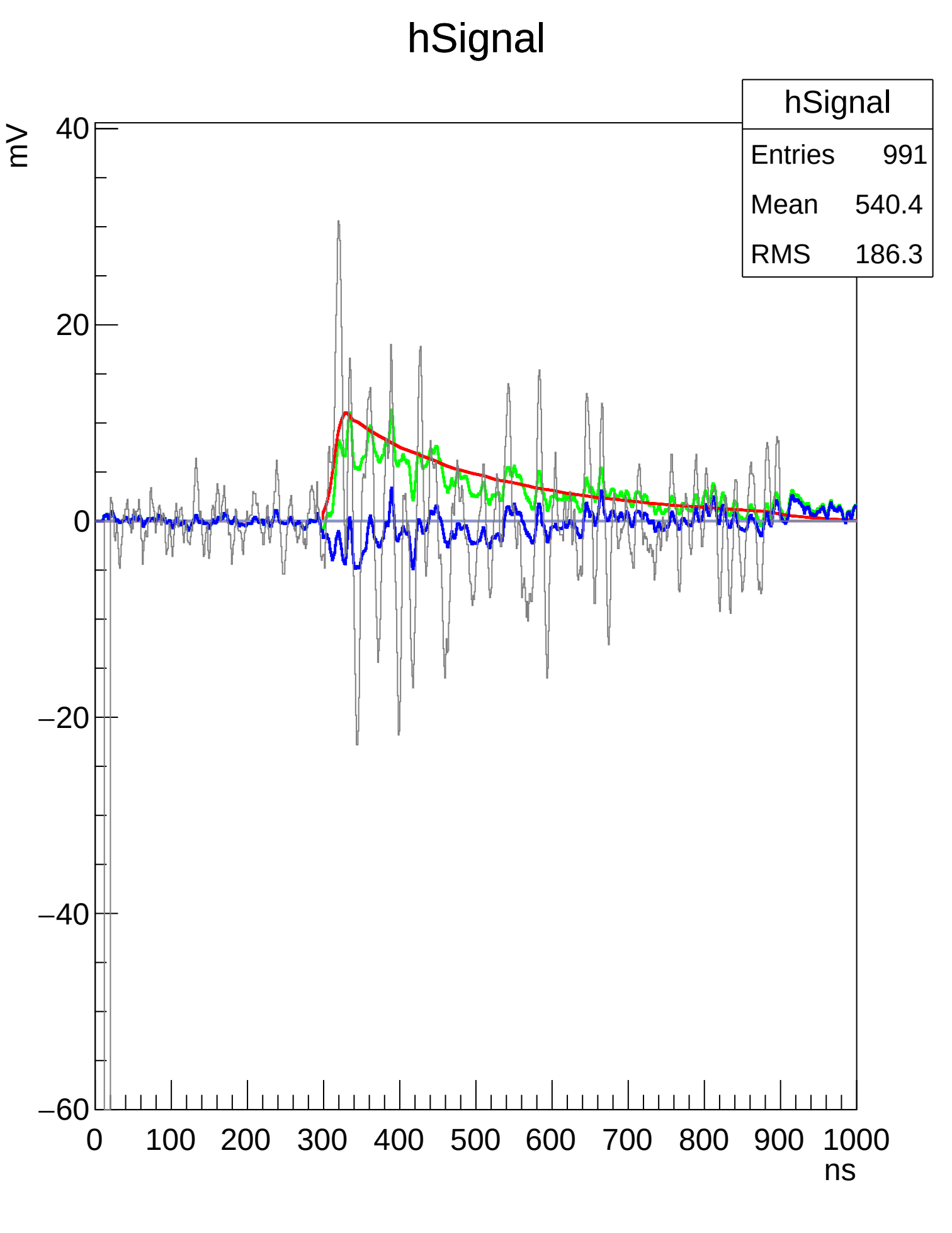
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.4
RMS 186.3
mV
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0
−20
−40
−60
0
100
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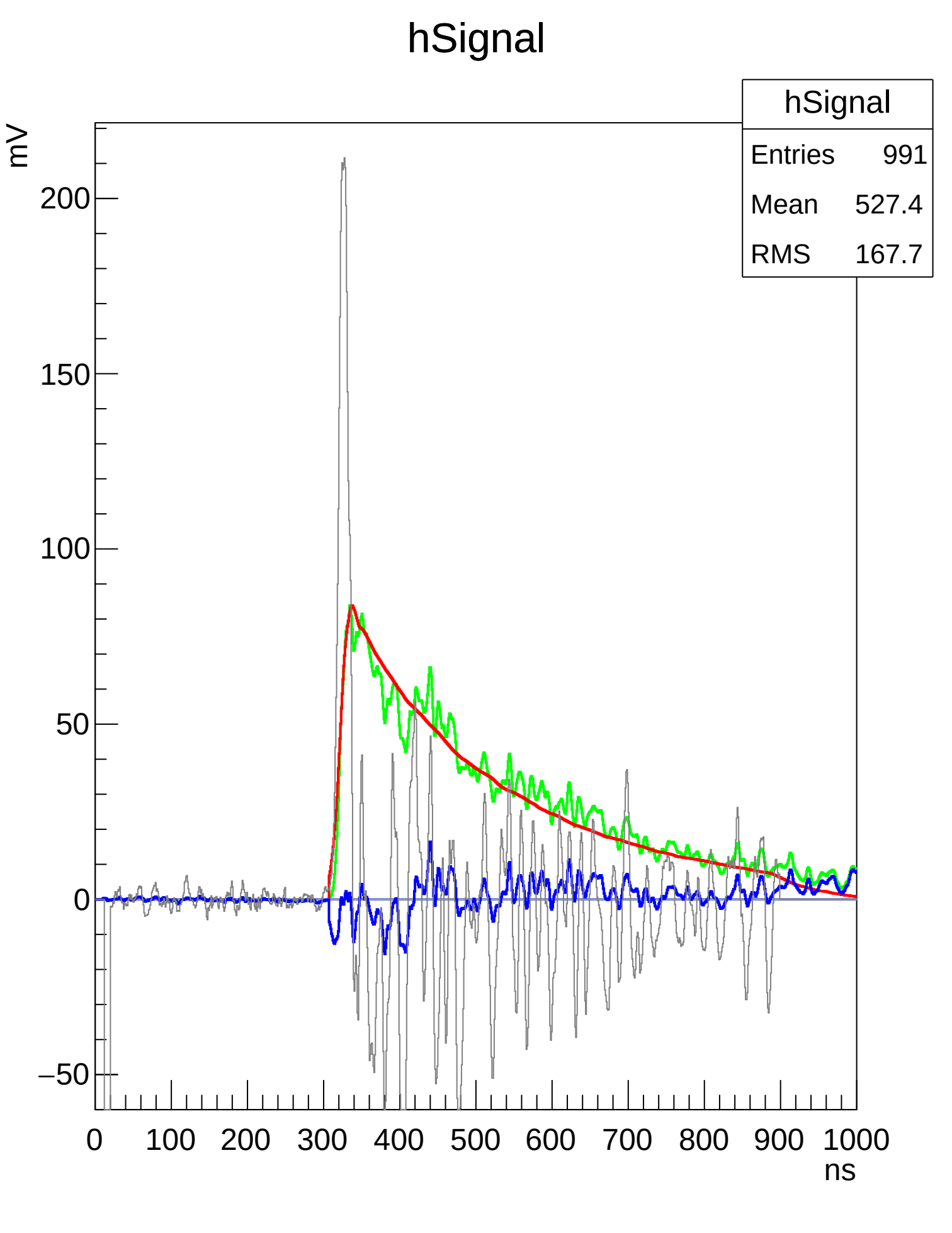
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.4
RMS 167.7
mV
200
150
100
50
0
−50
0
100
200
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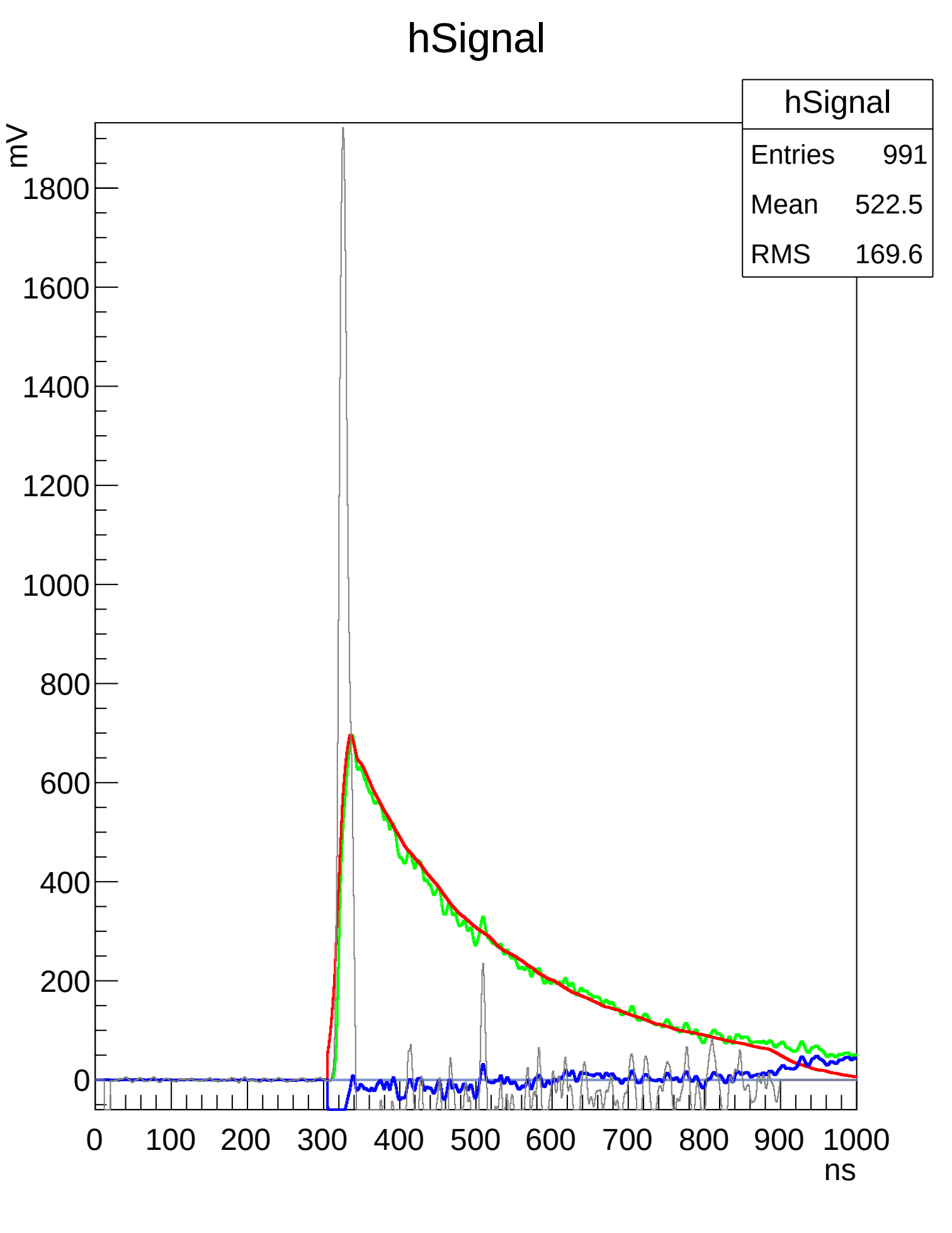
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.5
RMS 169.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
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900
1000
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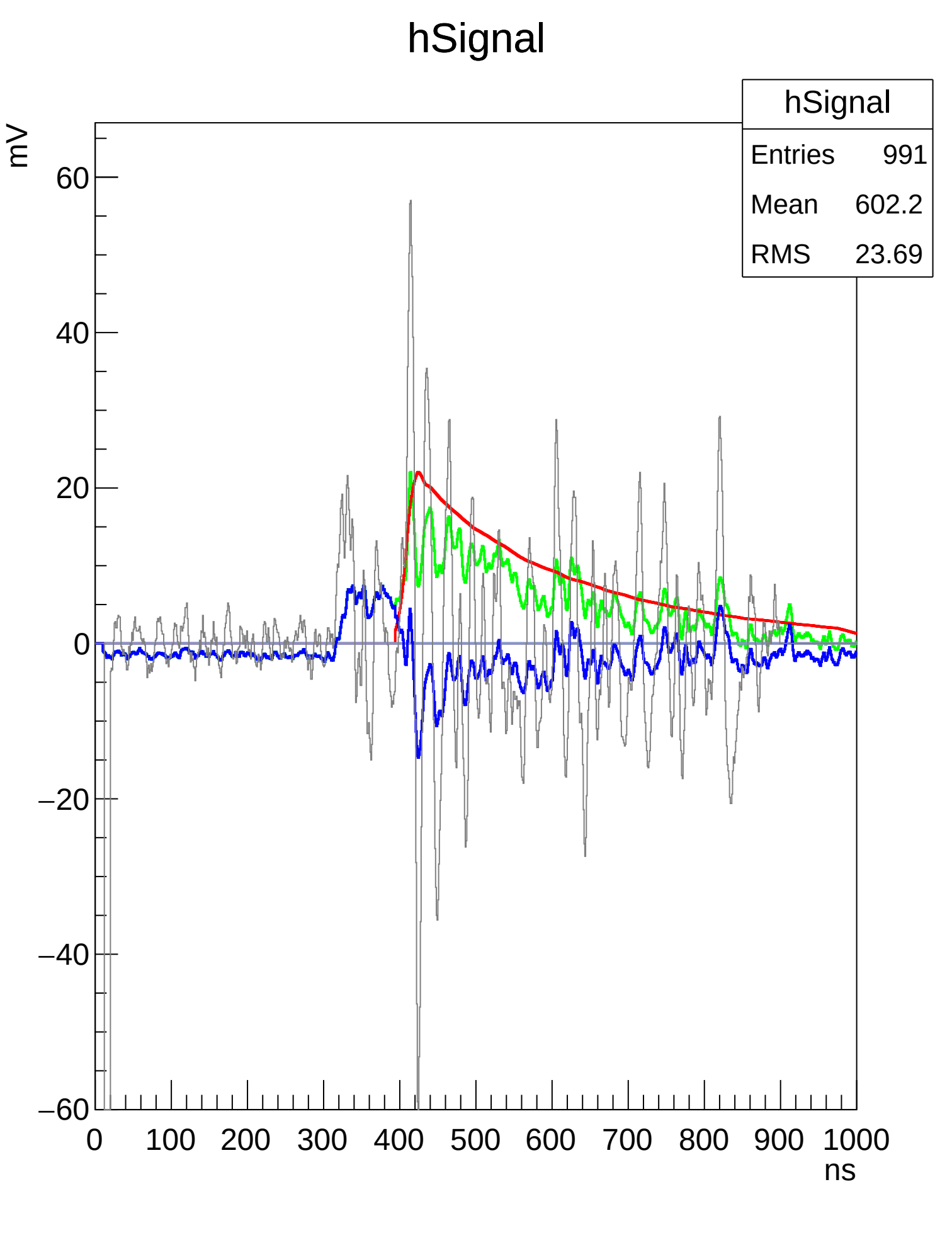
hSignal
hSignal
Entries 991
Mean 602.2
RMS 23.69
mV
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1000
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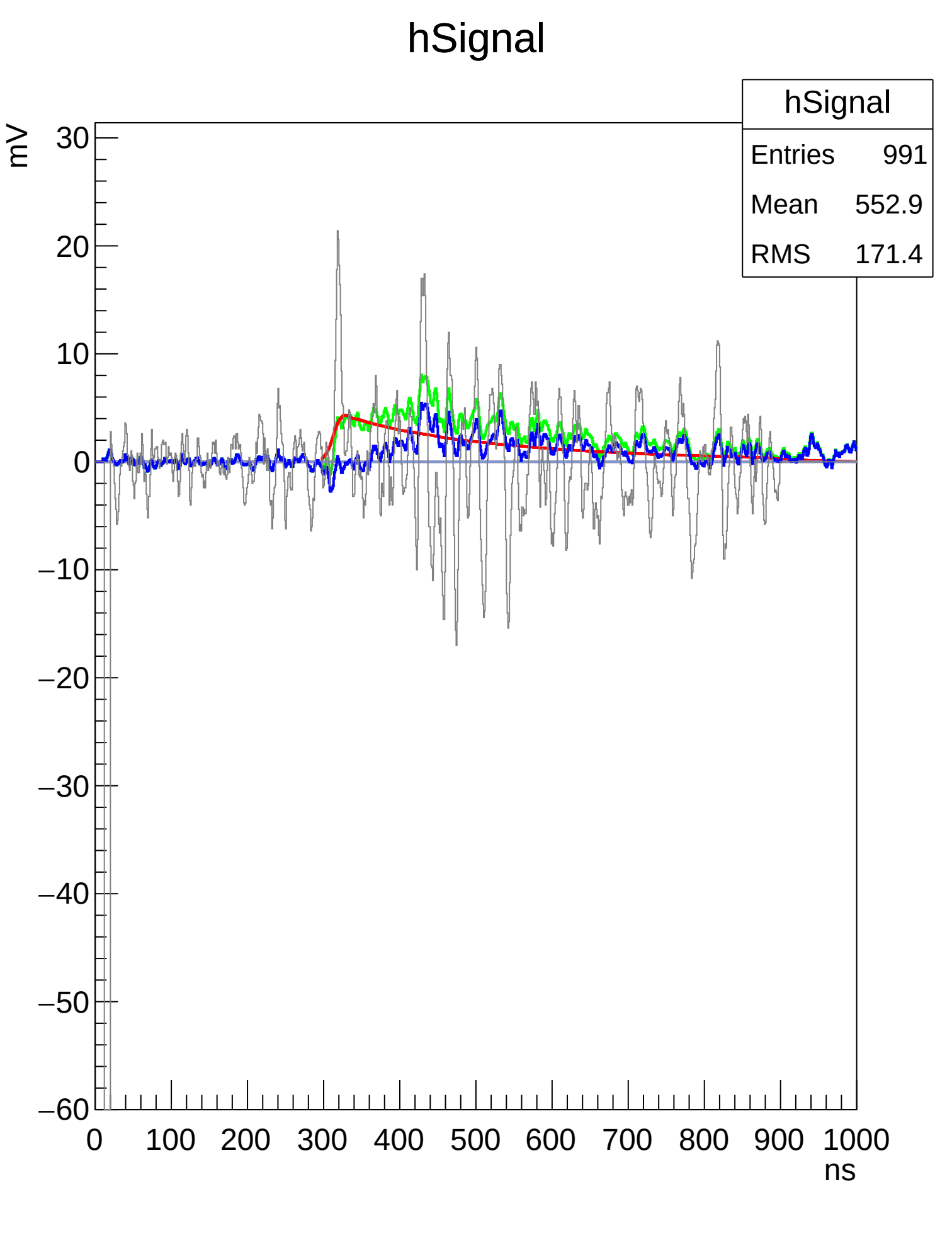
hSignal
hSignal
Entries 991
Mean 552.9
RMS 171.4
mV
30
20
10
0
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−20
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−50
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0
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200
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400
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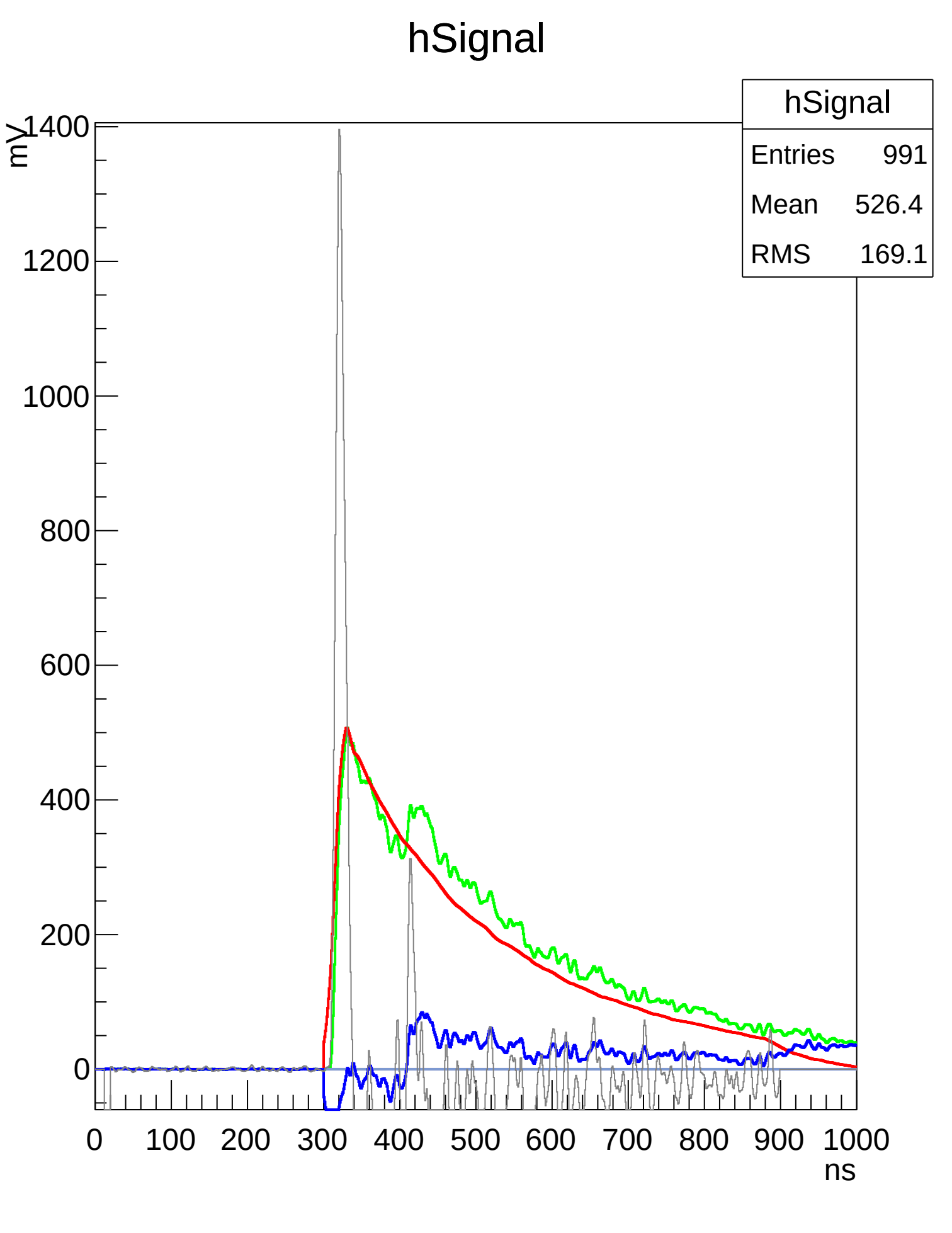
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.4
RMS 169.1
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
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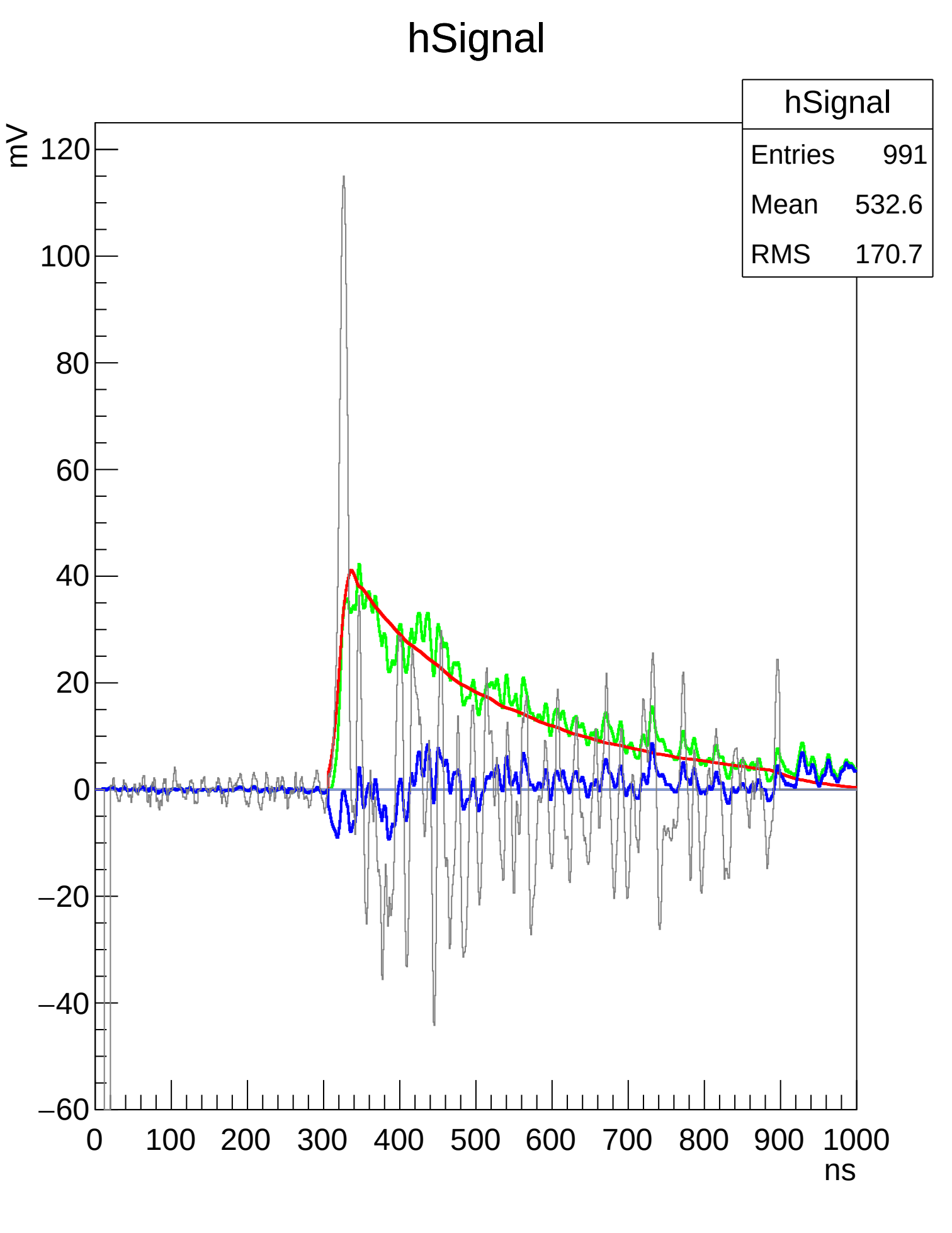
hSignal
hSignal
Entries 991
Mean 532.6
RMS 170.7
mV
120
100
80
60
40
20
0
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−40
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0
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300
400
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600
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800
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1000
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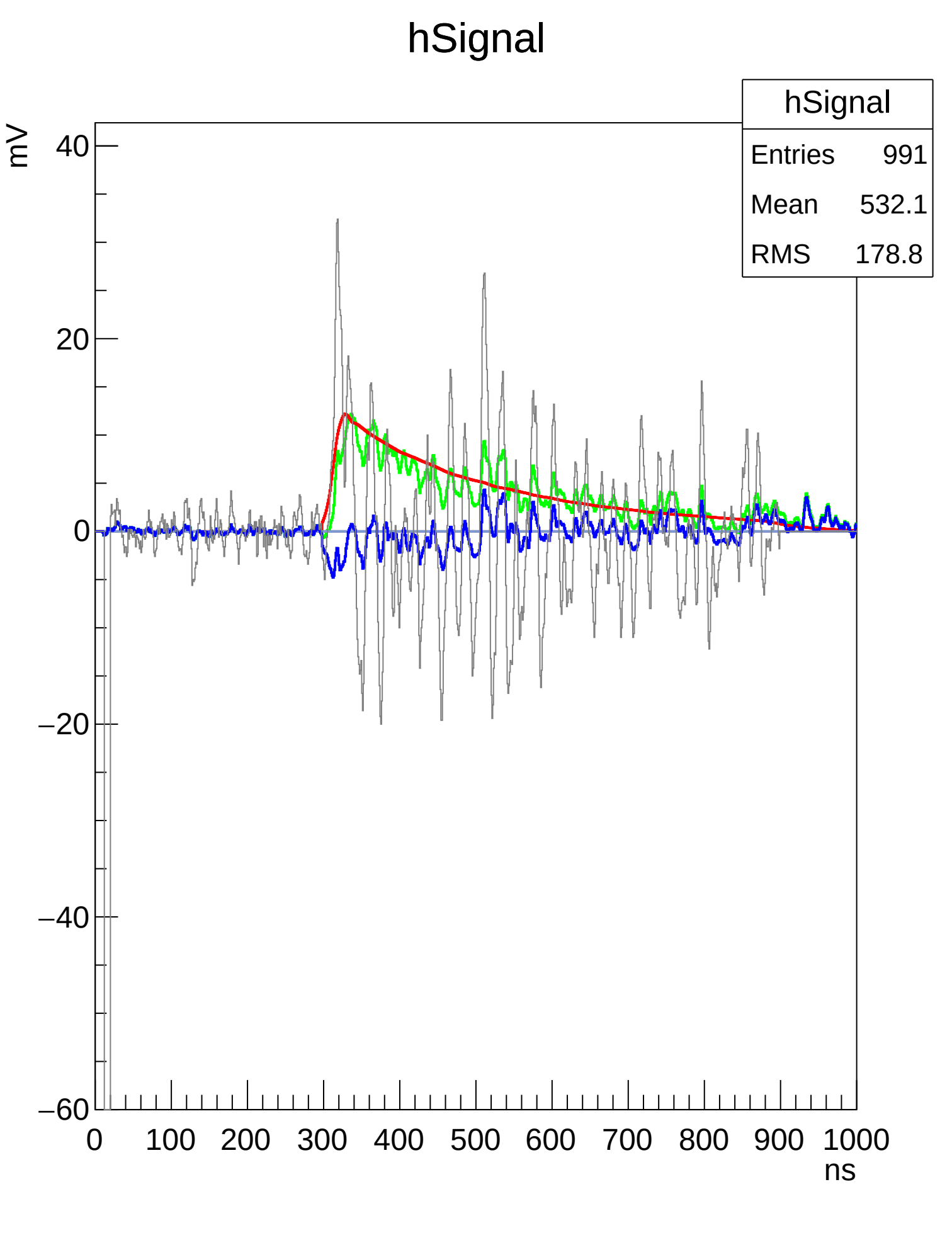
hSignal
hSignal
Entries 991
Mean 532.1
RMS 178.8
mV
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−20
−40
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0
100
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600
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800
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1000
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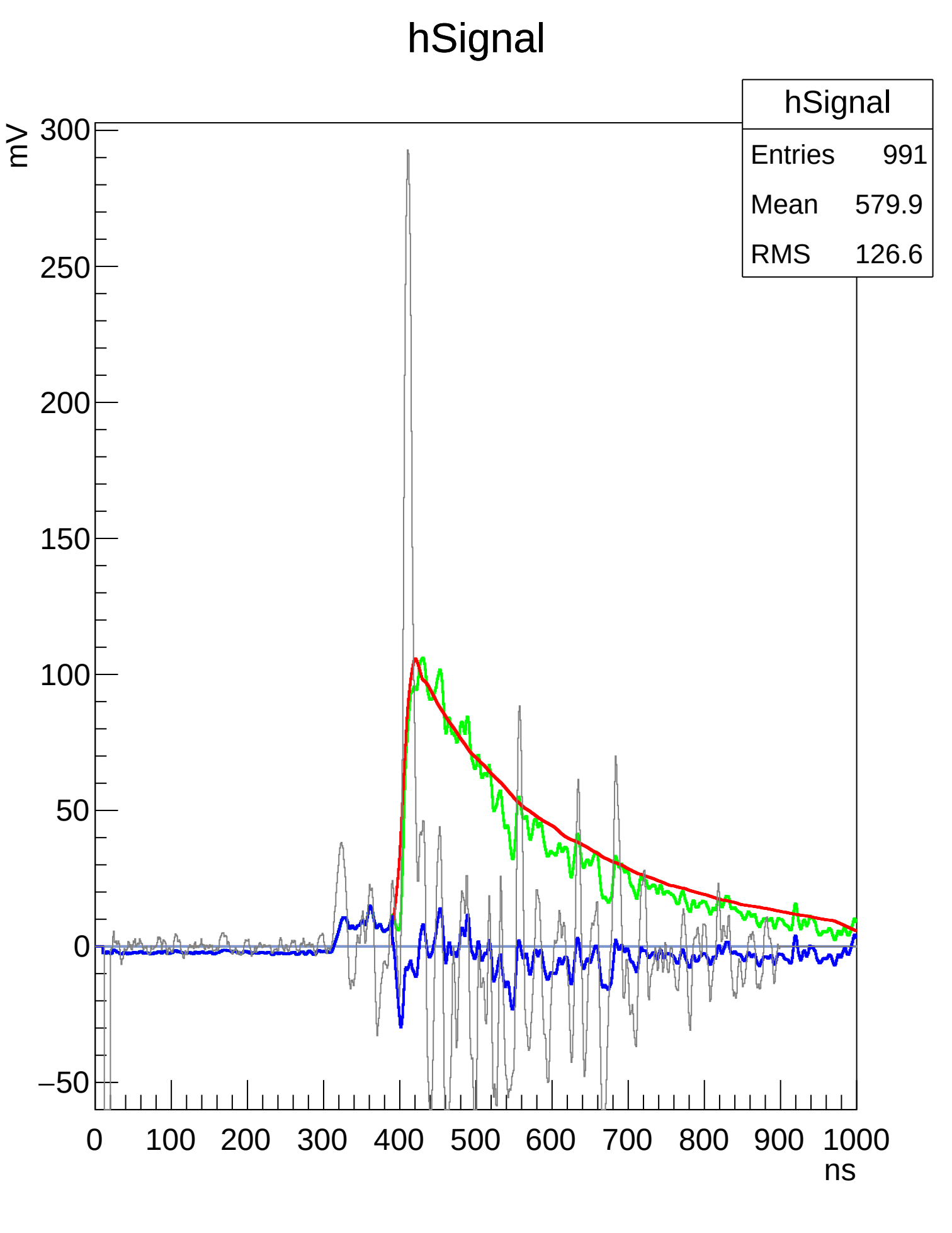
hSignal
hSignal
Entries 991
Mean 579.9
RMS 126.6
mV
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100
50
0
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0
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400
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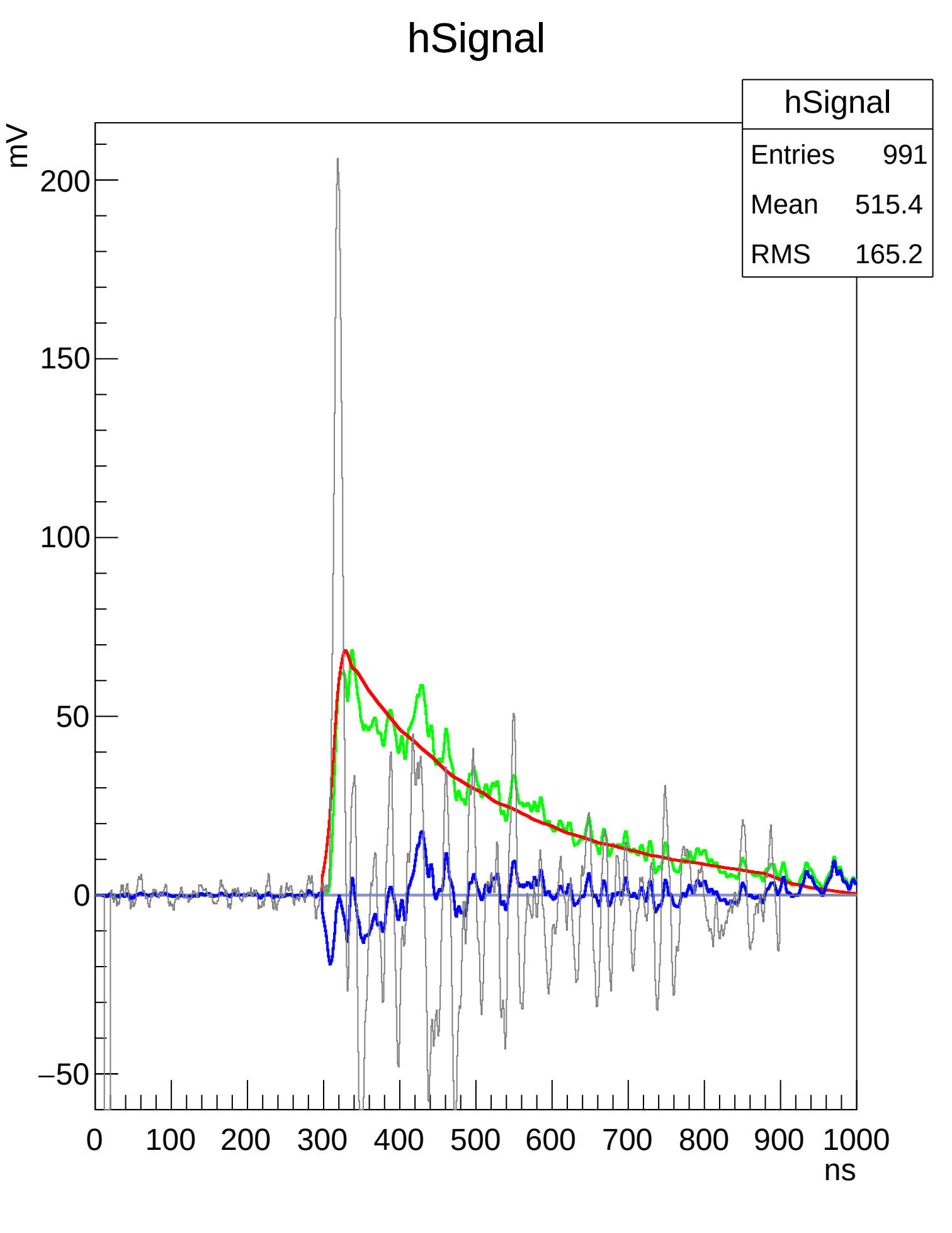
1000
ns


hSignal
hSignal
Entries 991
Mean 515.4
RMS 165.2
mV
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100
50
0
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0
100
200
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600
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1000
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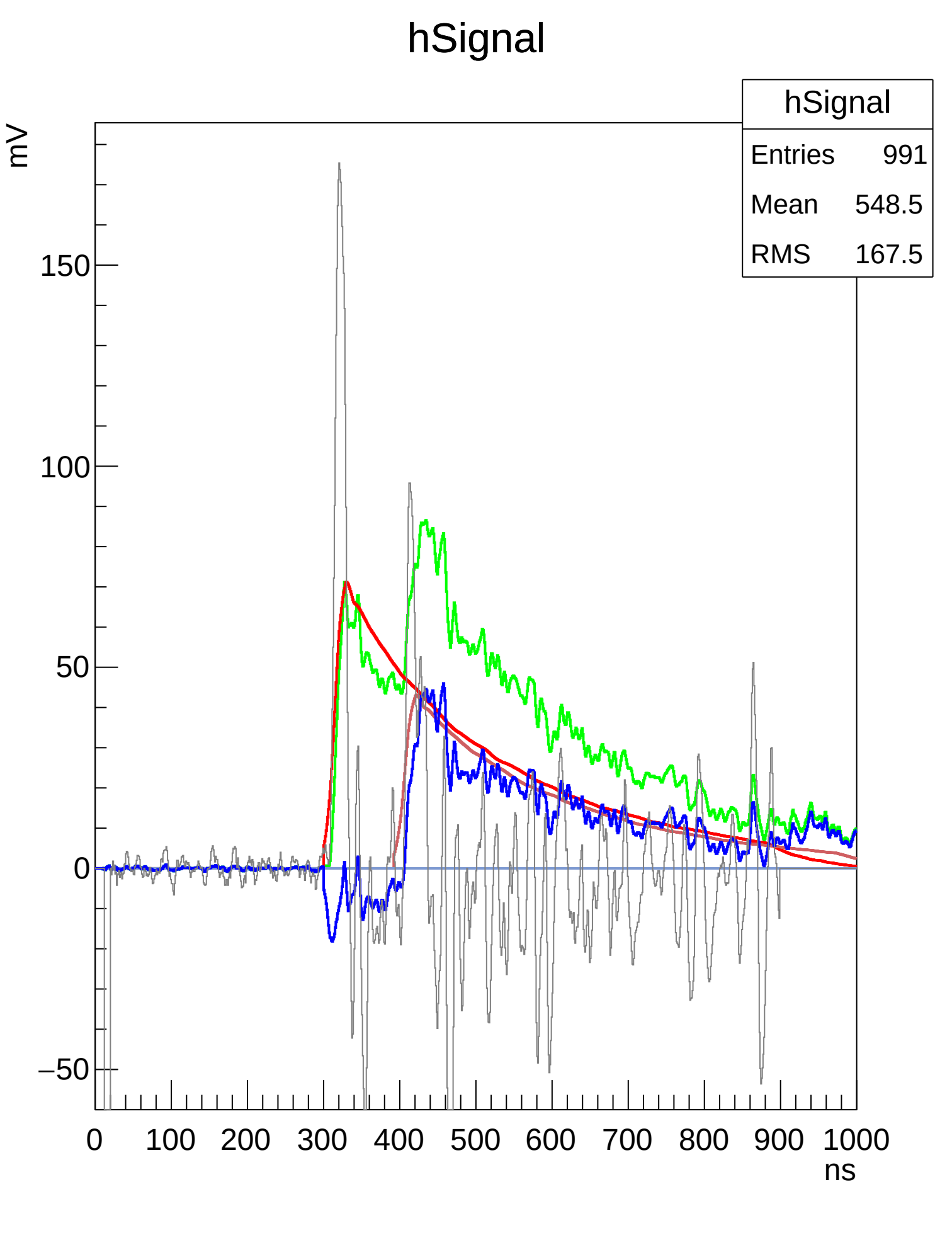
hSignal
hSignal
Entries 991
Mean 548.5
RMS 167.5
mV
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100
50
0
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0
100
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800
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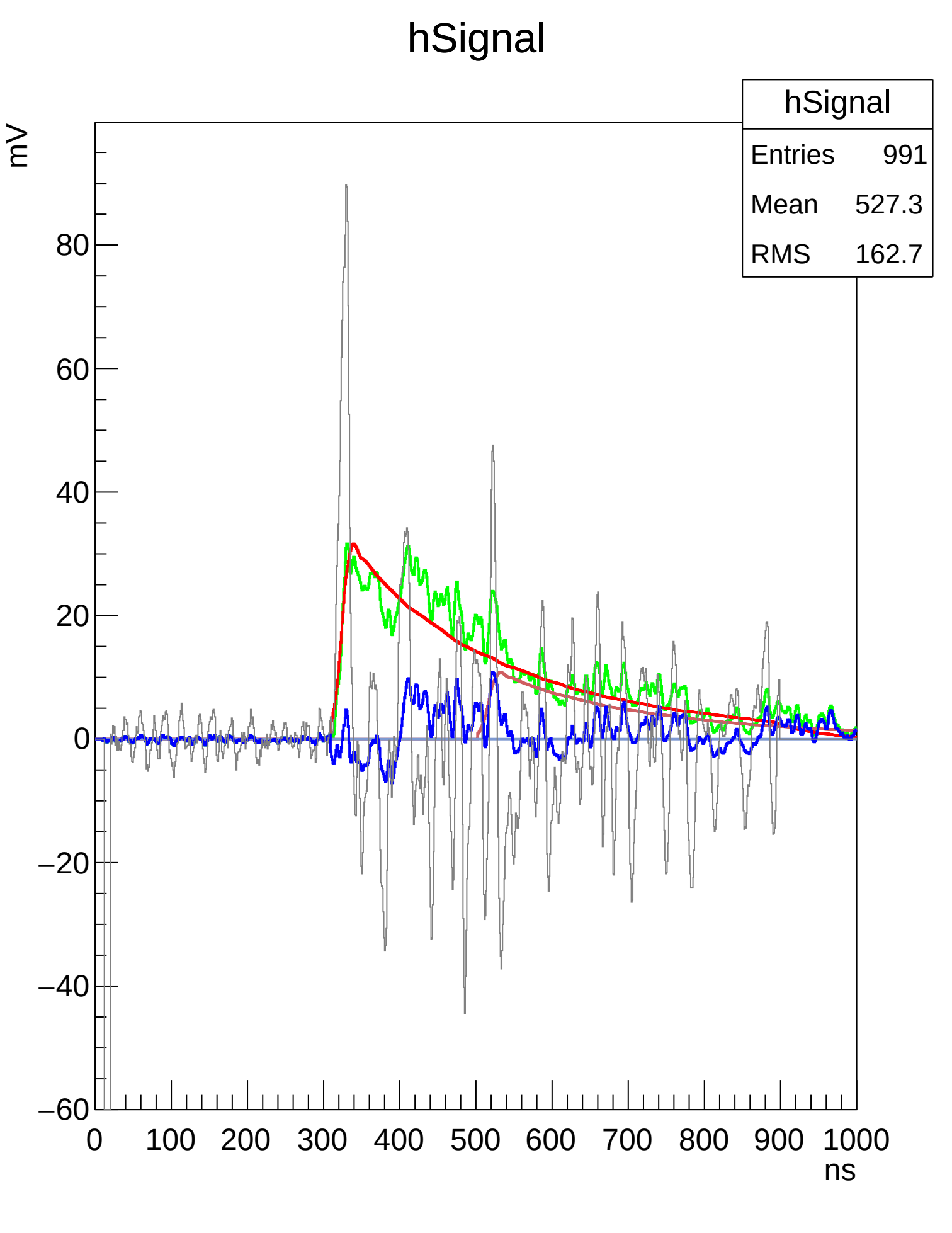
1000
ns


hSignal
hSignal
Entries 991
Mean 527.3
RMS 162.7
mV
80
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−20
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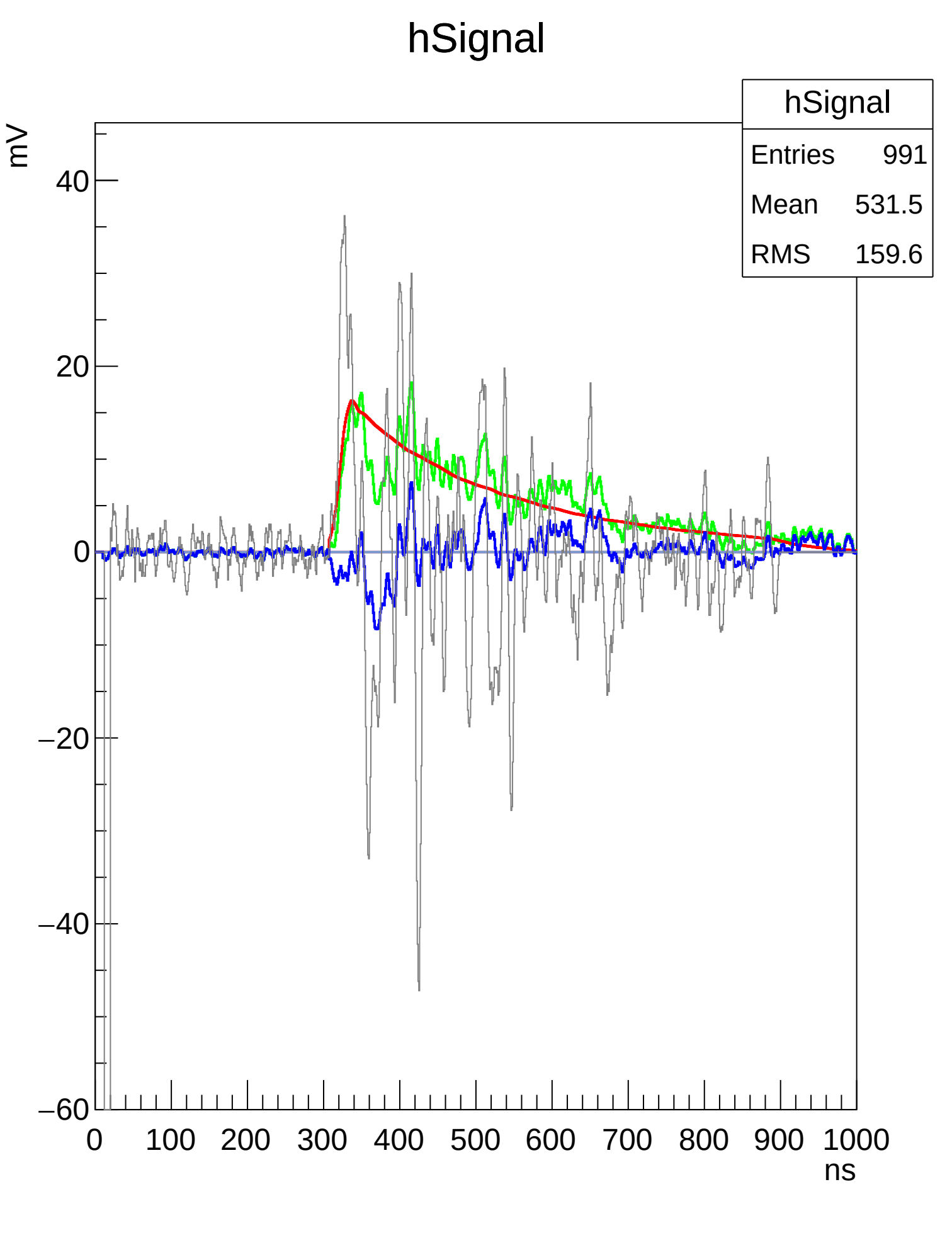
1000
ns


hSignal
hSignal
Entries 991
Mean 531.5
RMS 159.6
mV
40
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0
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1000
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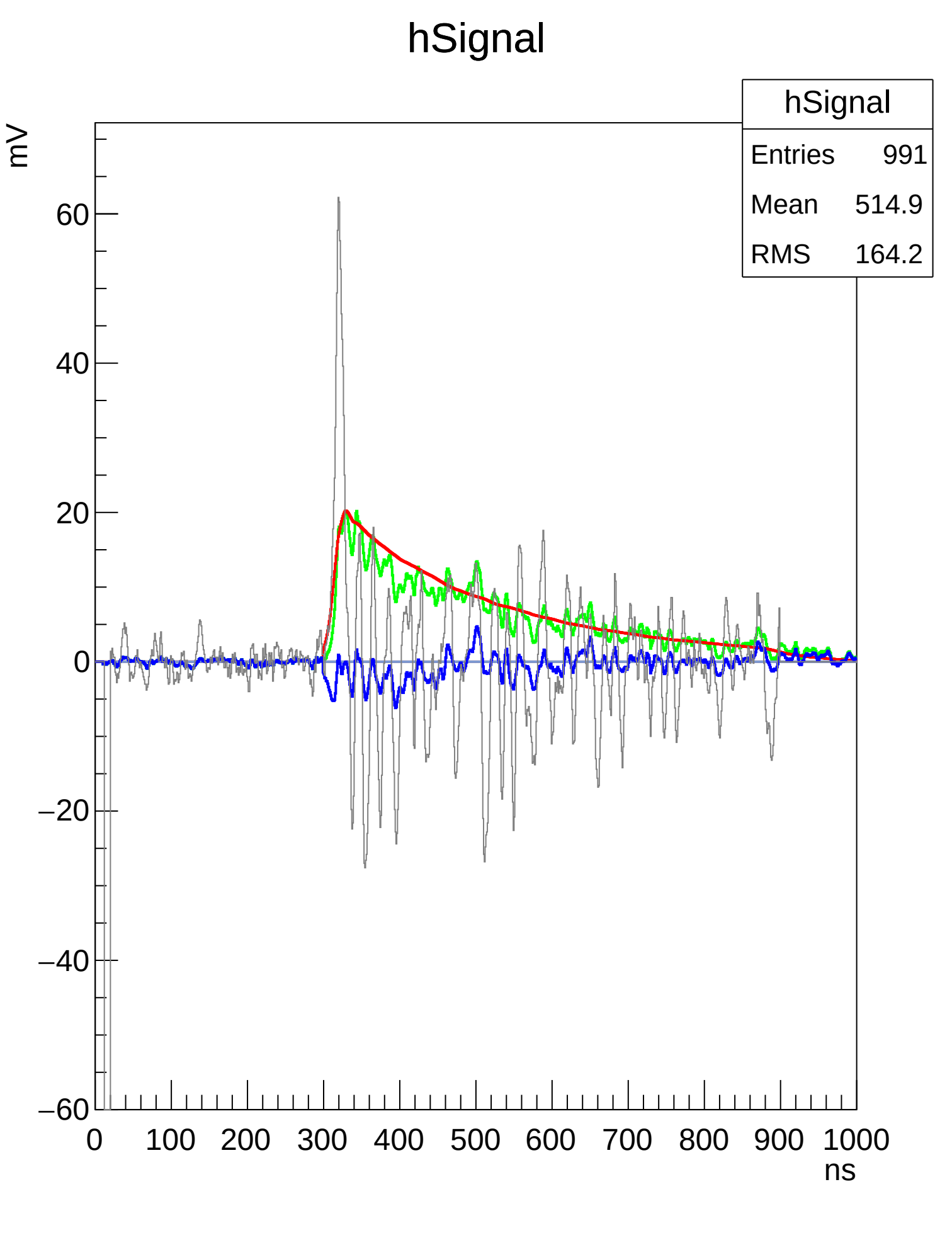
hSignal
hSignal
Entries 991
Mean 514.9
RMS 164.2
mV
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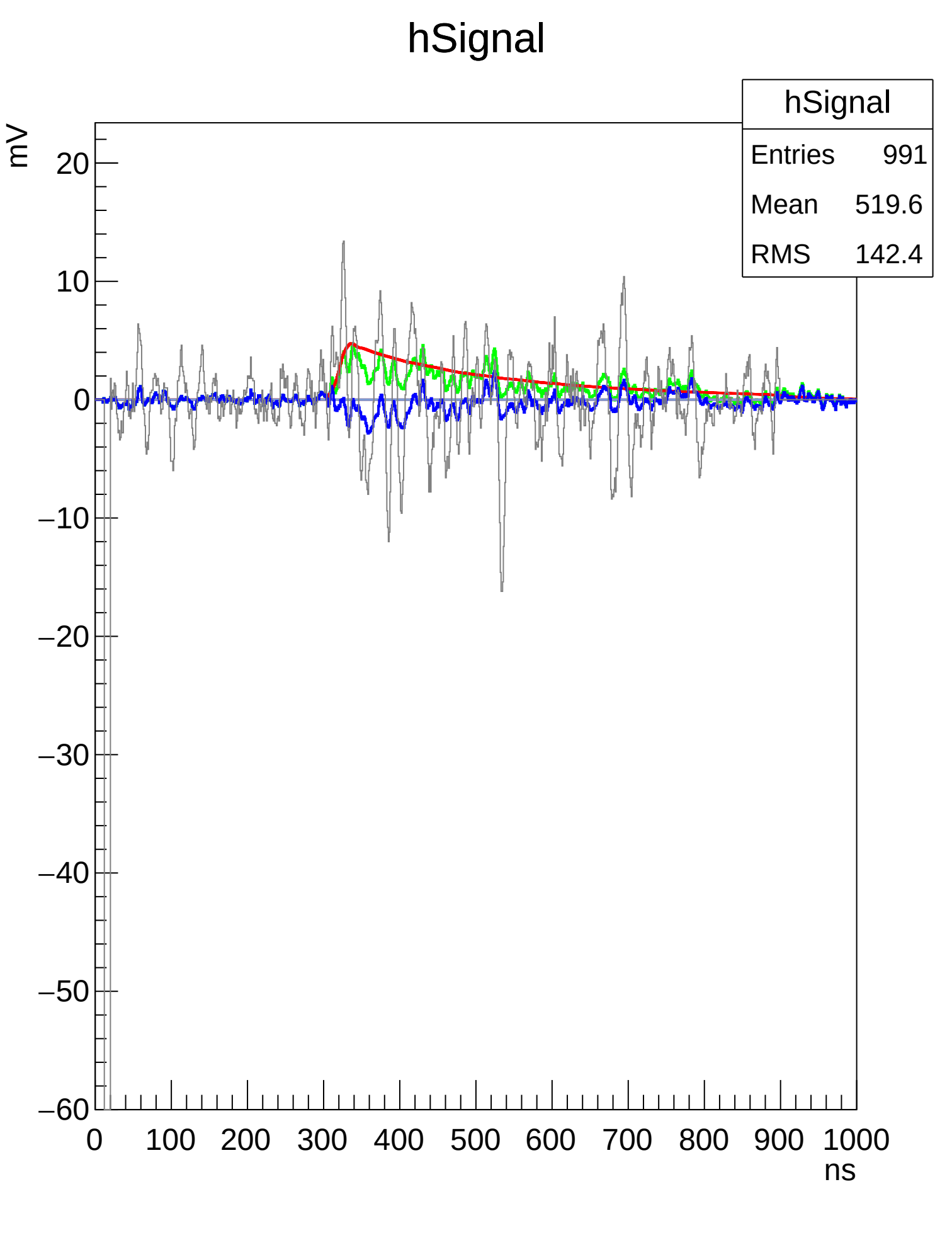
hSignal
hSignal
Entries 991
Mean 519.6
RMS 142.4
mV
20
10
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0
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200
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400
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800
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1000
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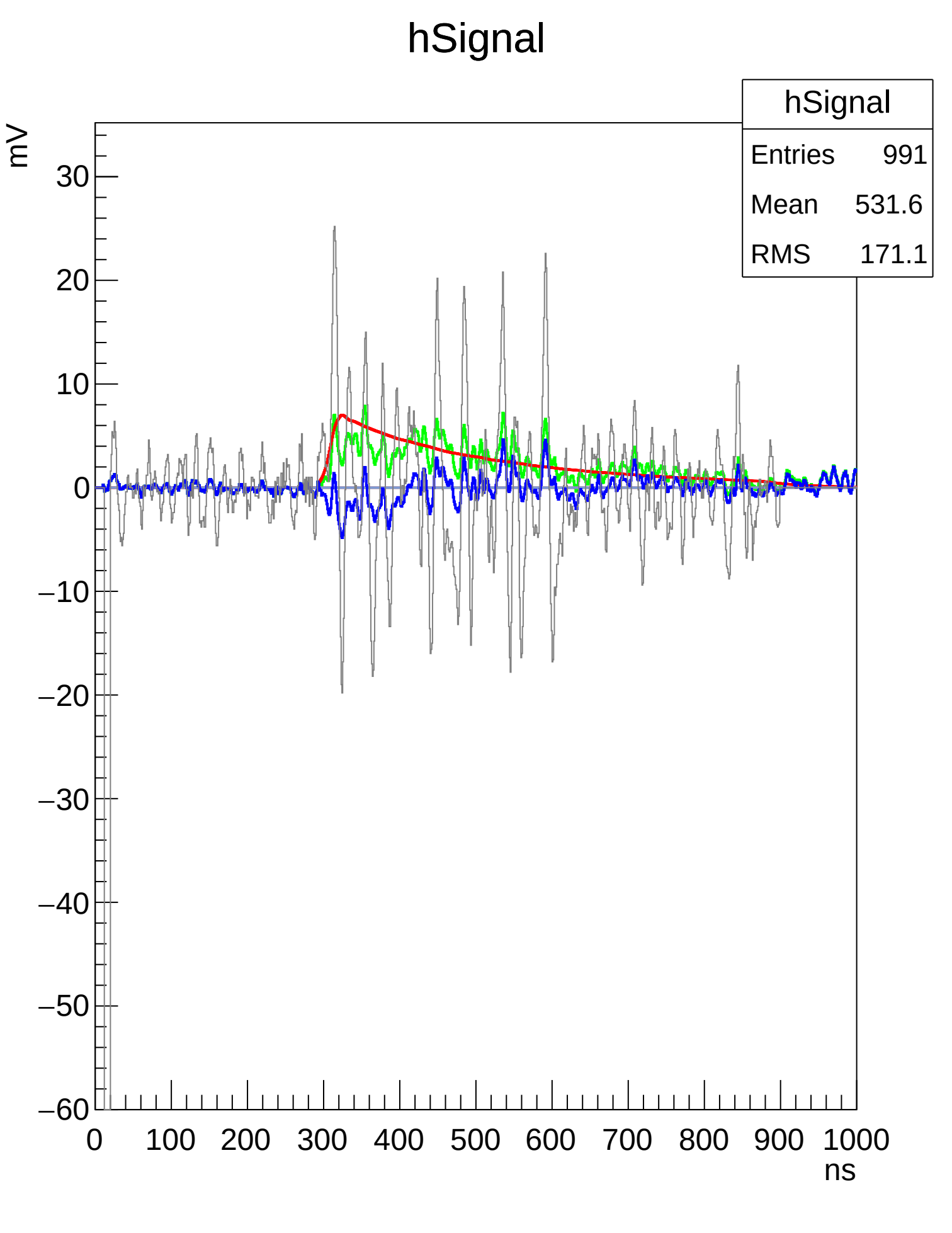
hSignal
hSignal
Entries 991
Mean 531.6
RMS 171.1
mV
30
20
10
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0
100
200
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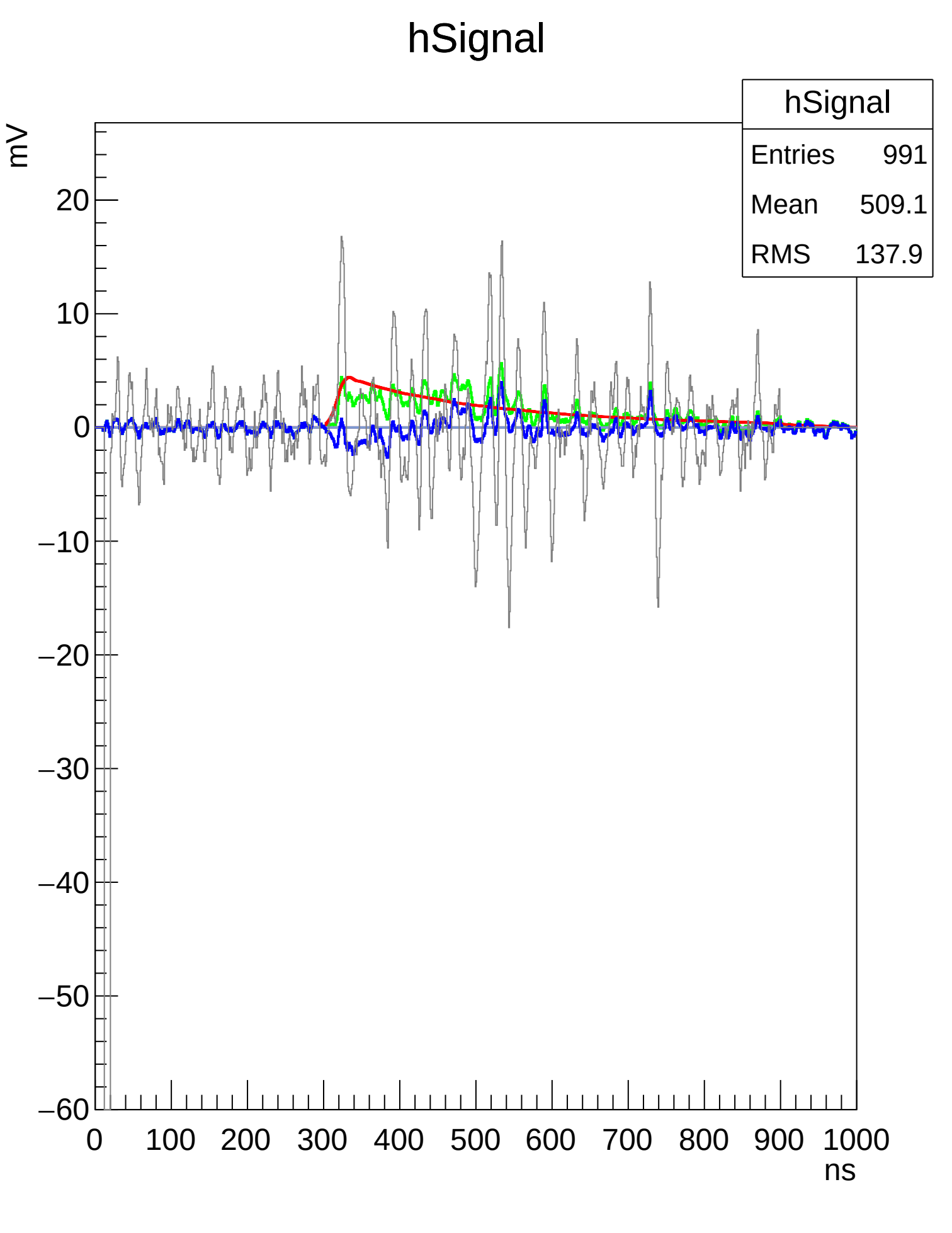
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.1
RMS 137.9
mV
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10
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−40
−50
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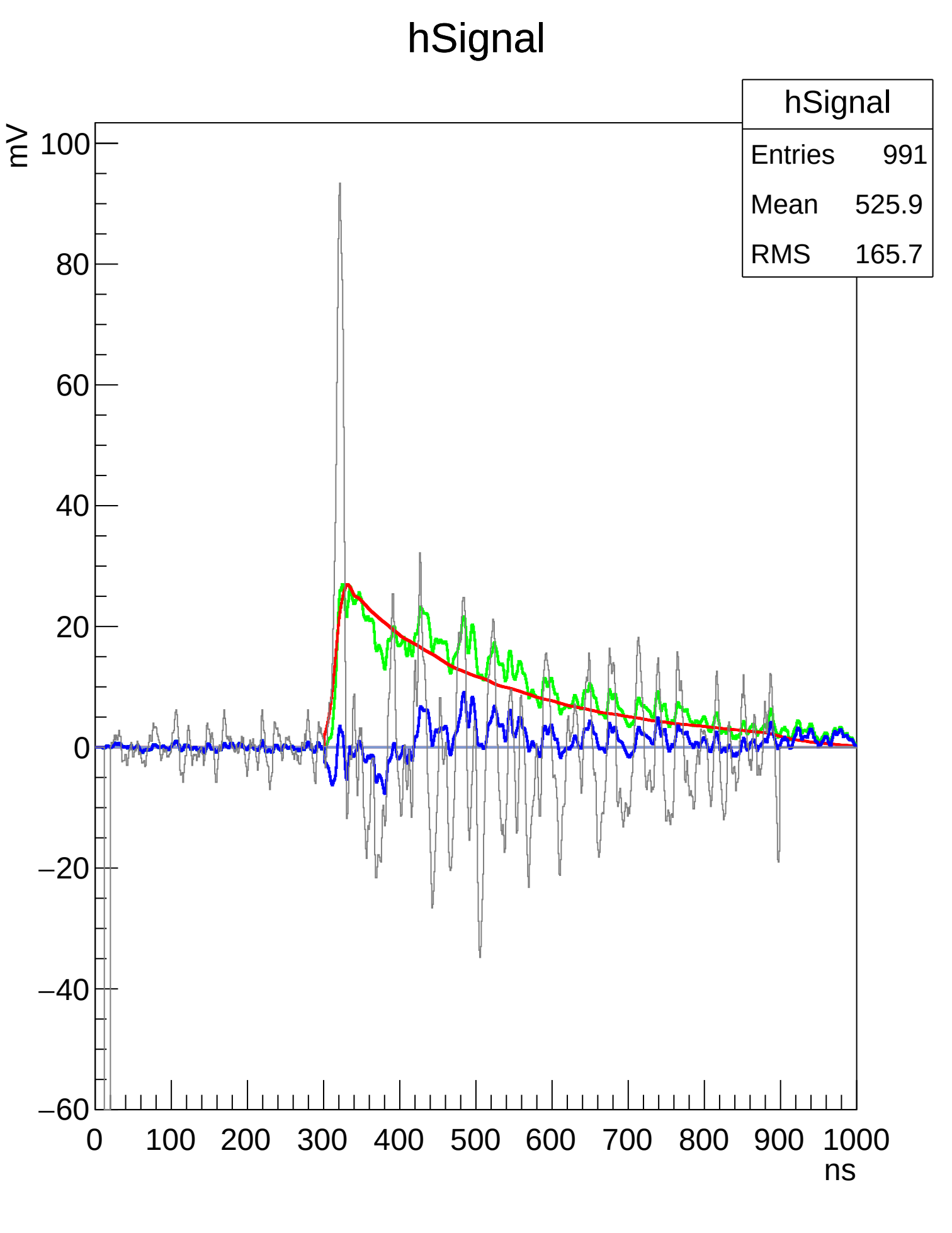
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.9
RMS 165.7
mV
100
80
60
40
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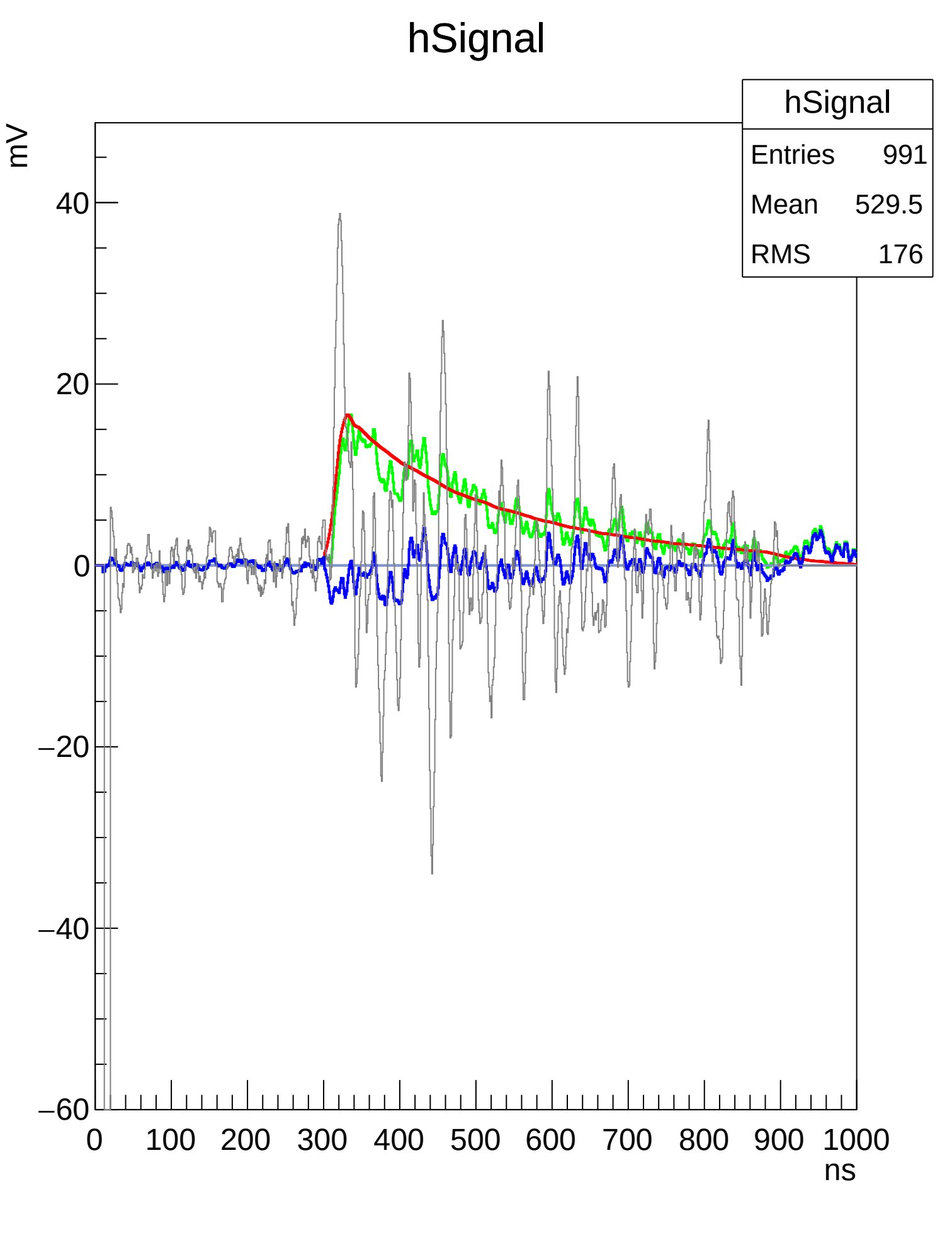
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.5
RMS 176
mV
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100
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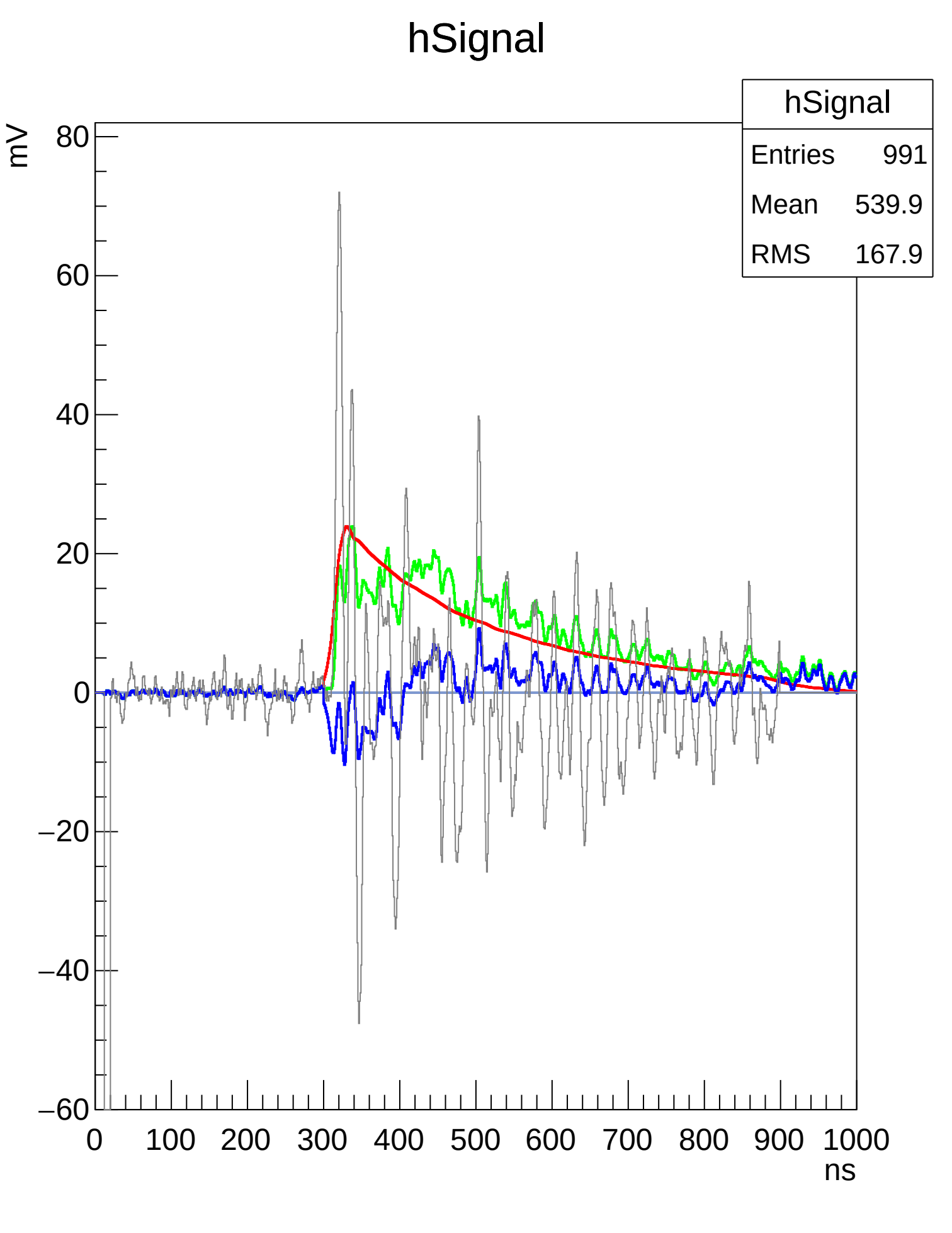
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.9
RMS 167.9
mV
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60
40
20
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−20
−40
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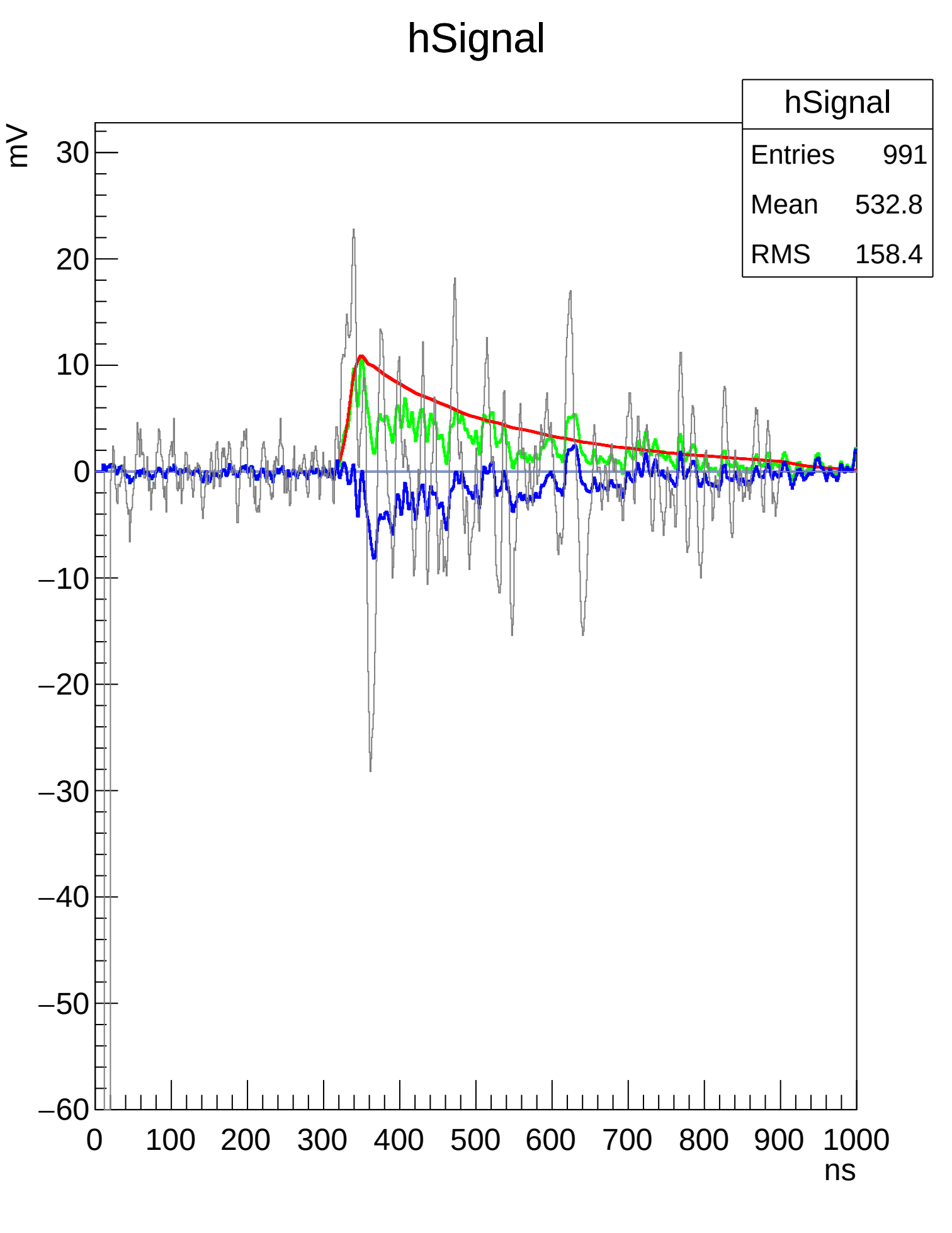
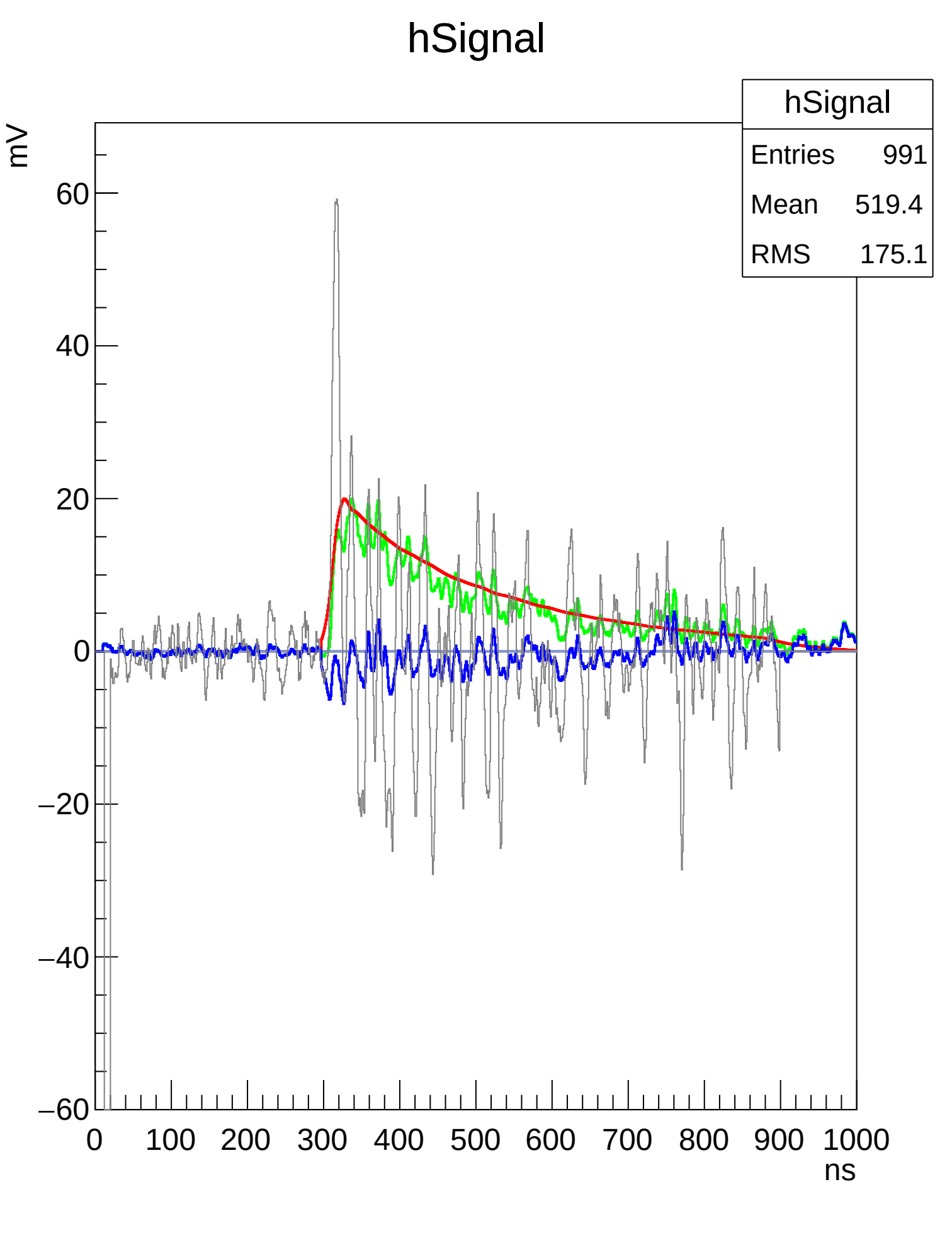
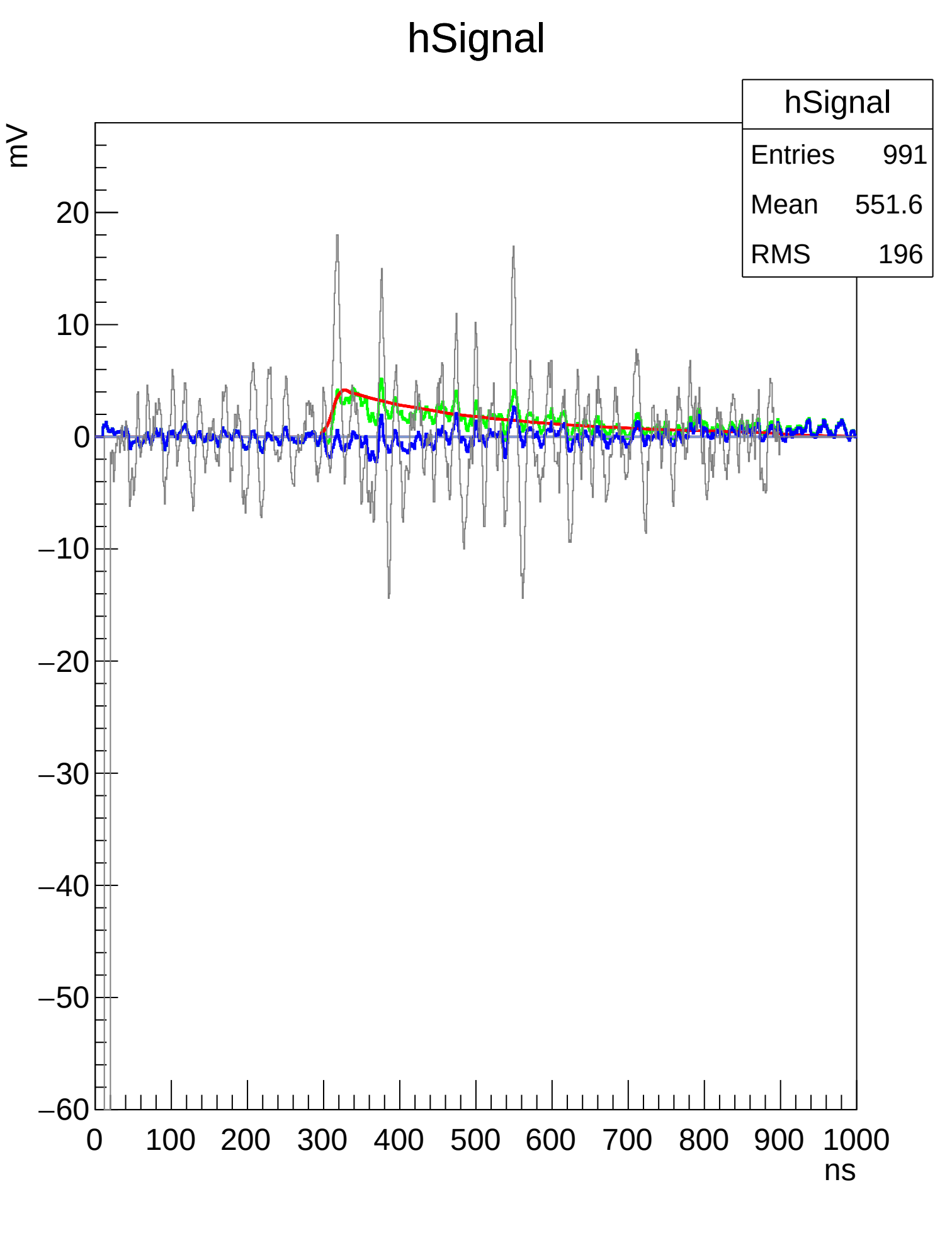
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.8
RMS 158.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.4
RMS 175.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.6
RMS 196
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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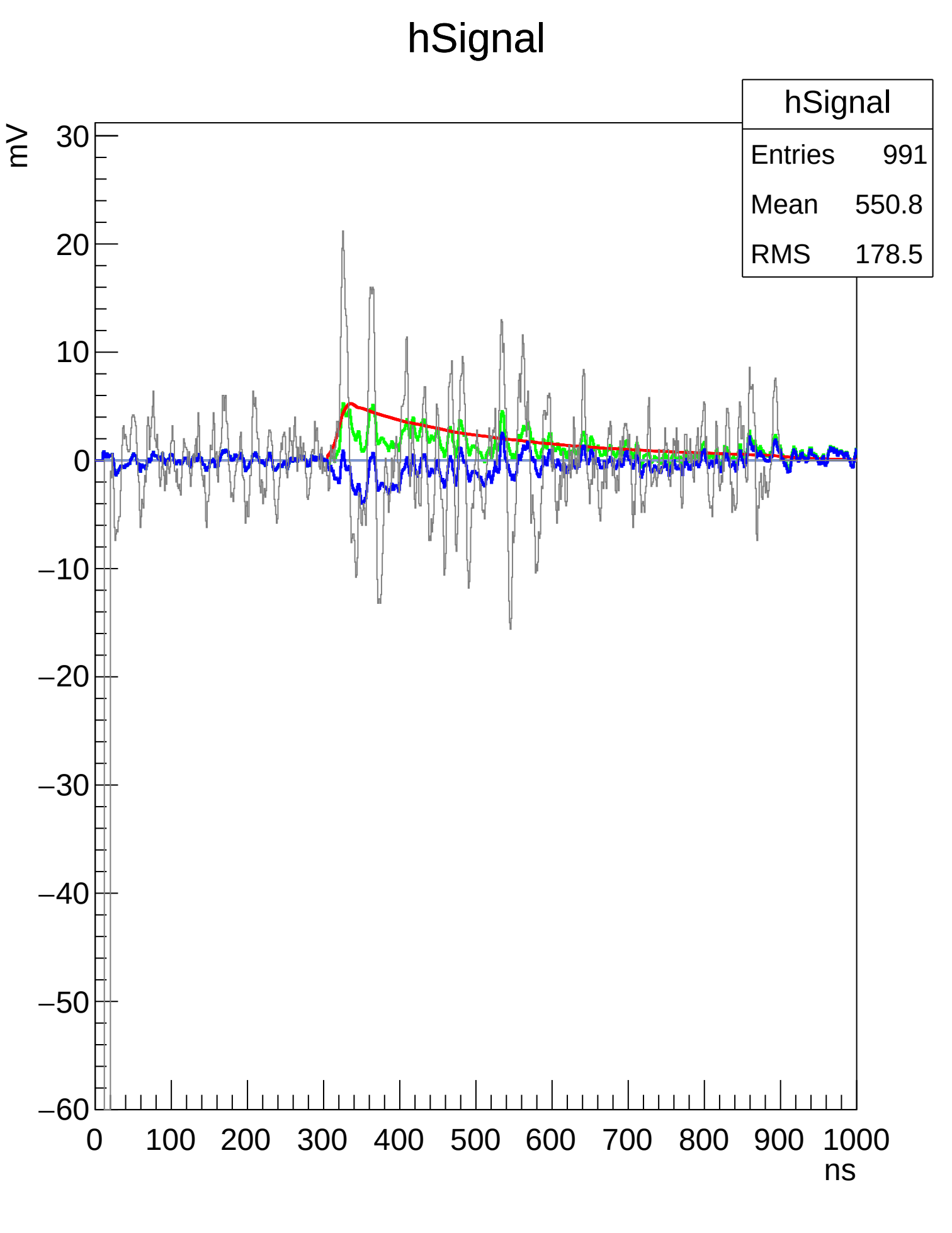
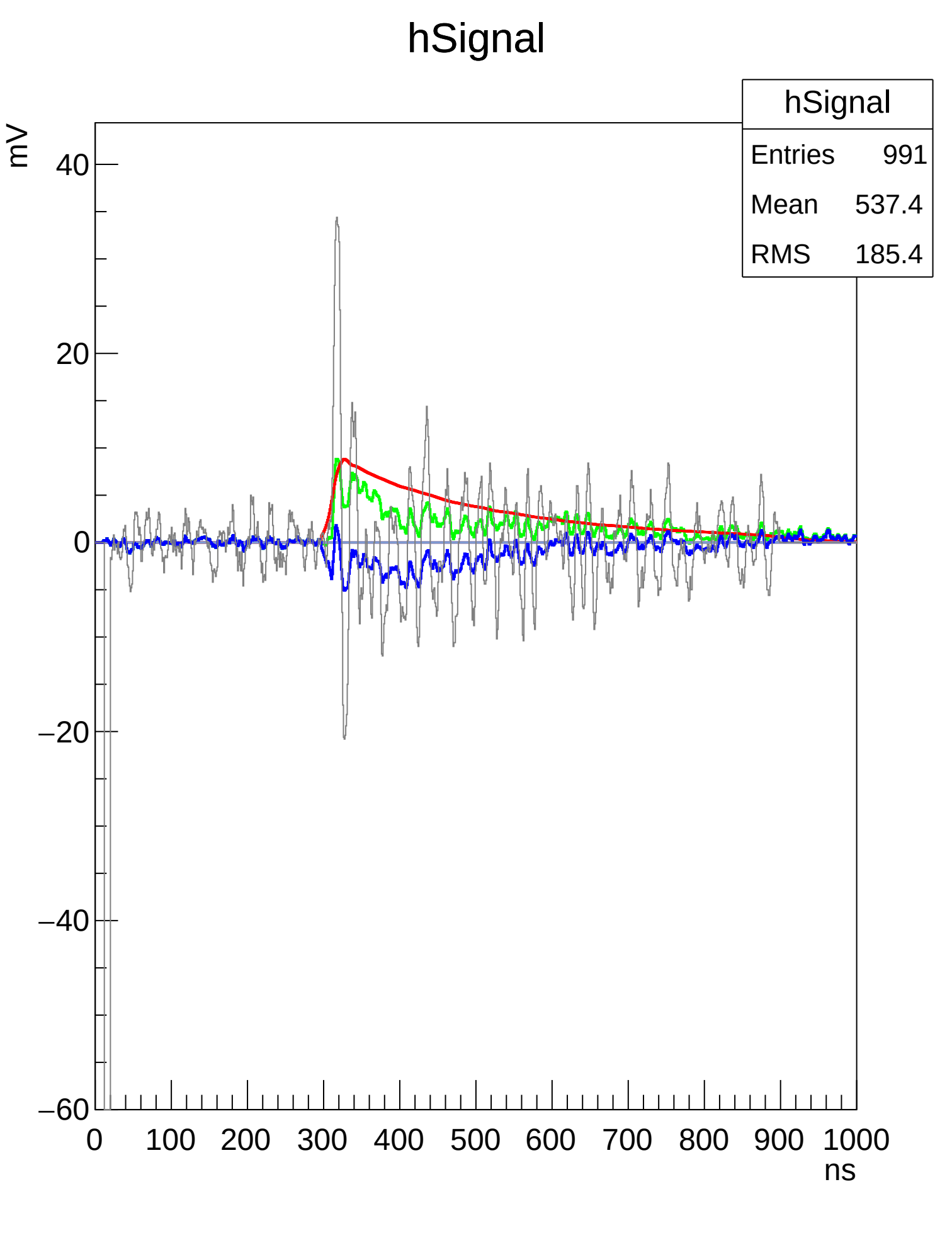
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.8
RMS 178.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.4
RMS 185.4
mV
40
20
0
−20
−40
−60
0
100
200
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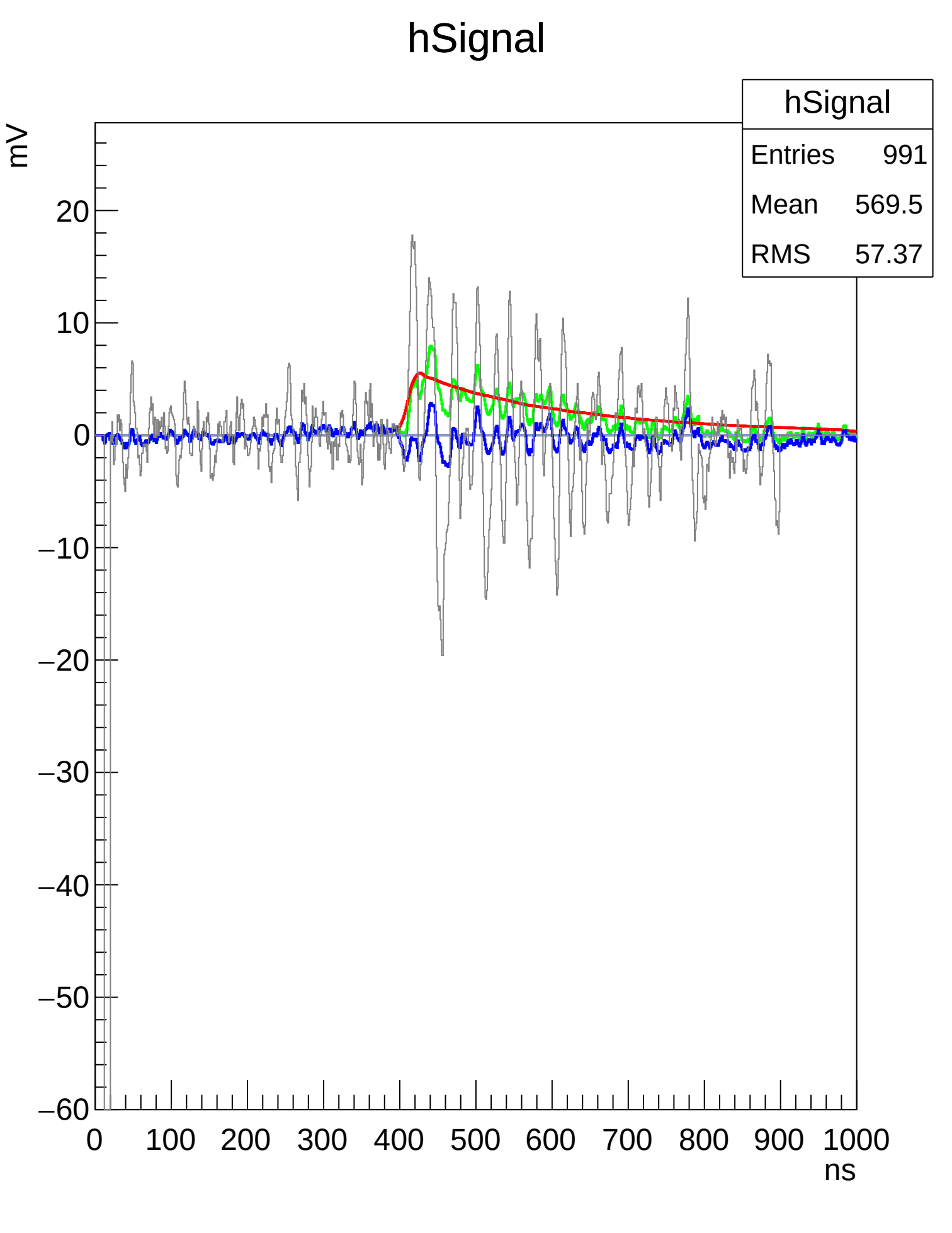
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.5
RMS 57.37
mV
20
10
0
−10
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−40
−50
−60
0
100
200
300
400
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600
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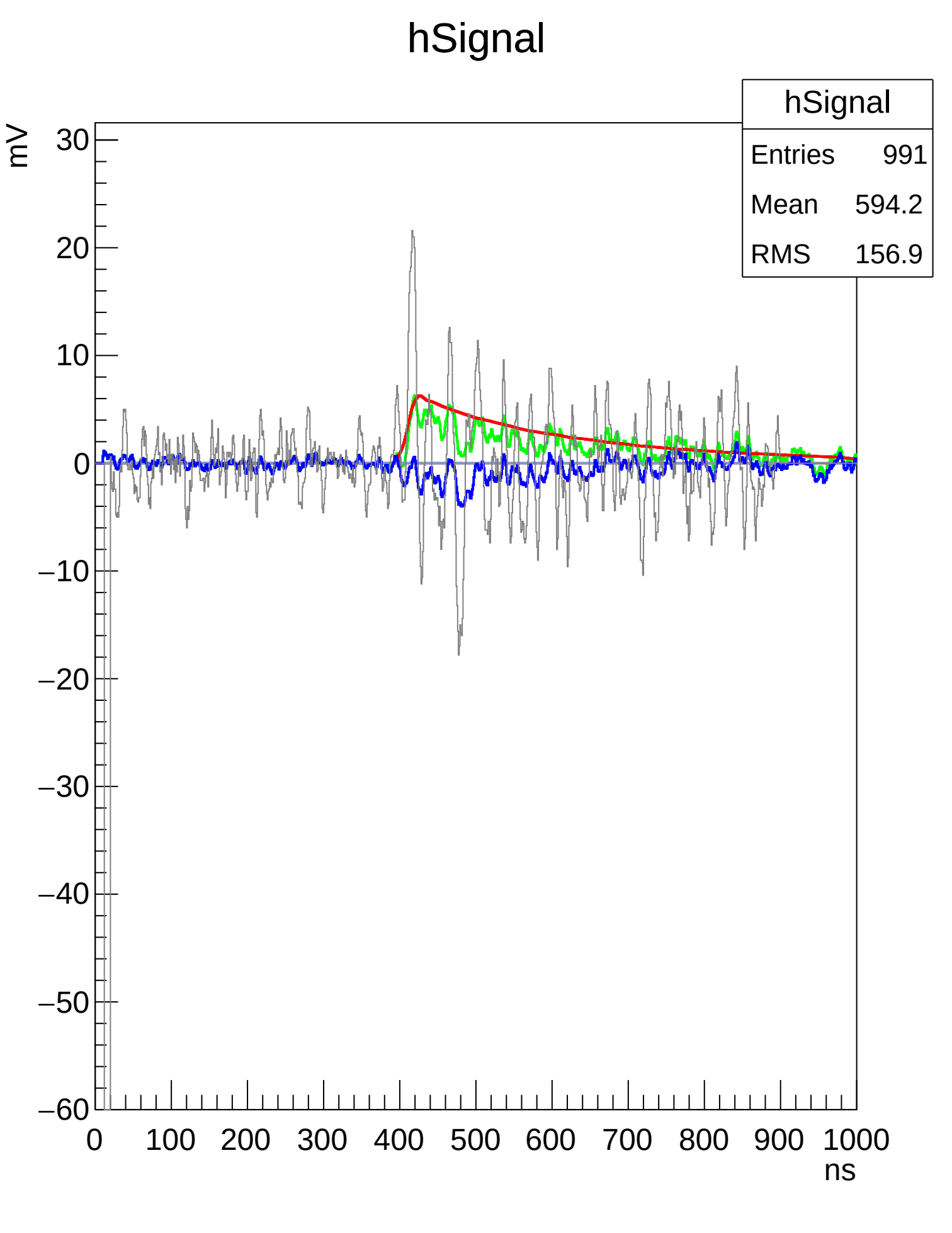
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.2
RMS 156.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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800
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1000
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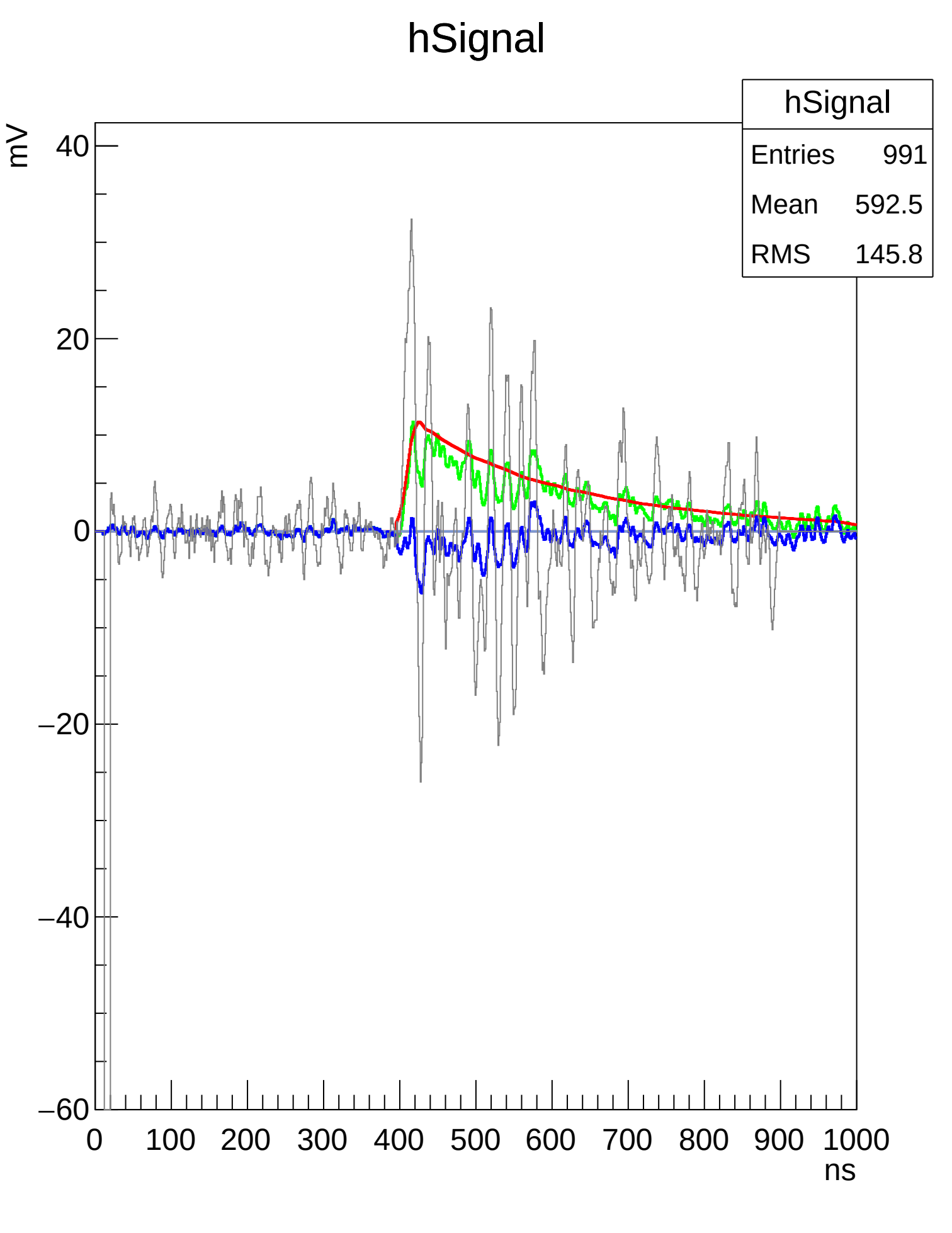
hSignal
hSignal
Entries 991
Mean 592.5
RMS 145.8
mV
40
20
0
−20
−40
−60
0
100
200
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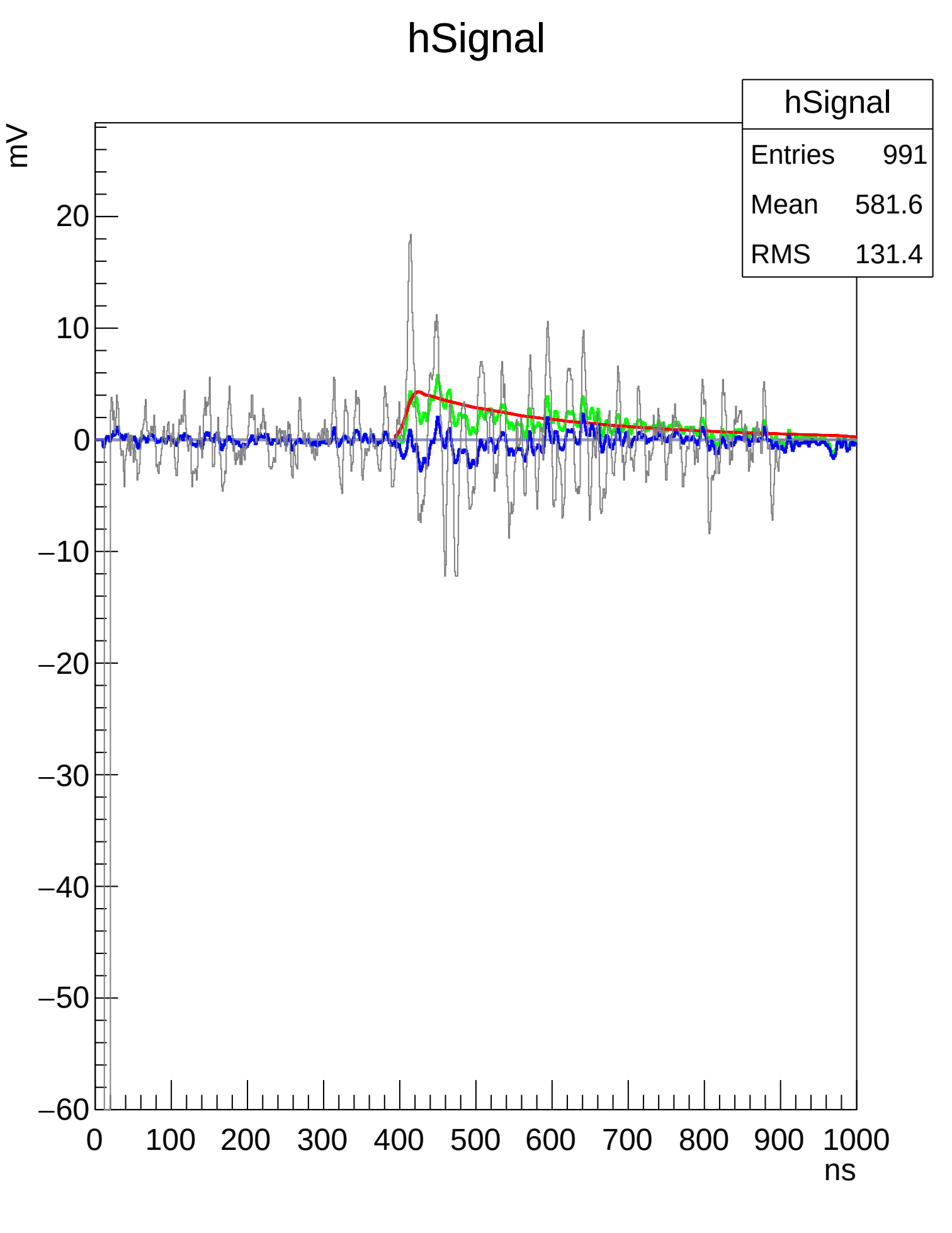
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.6
RMS 131.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
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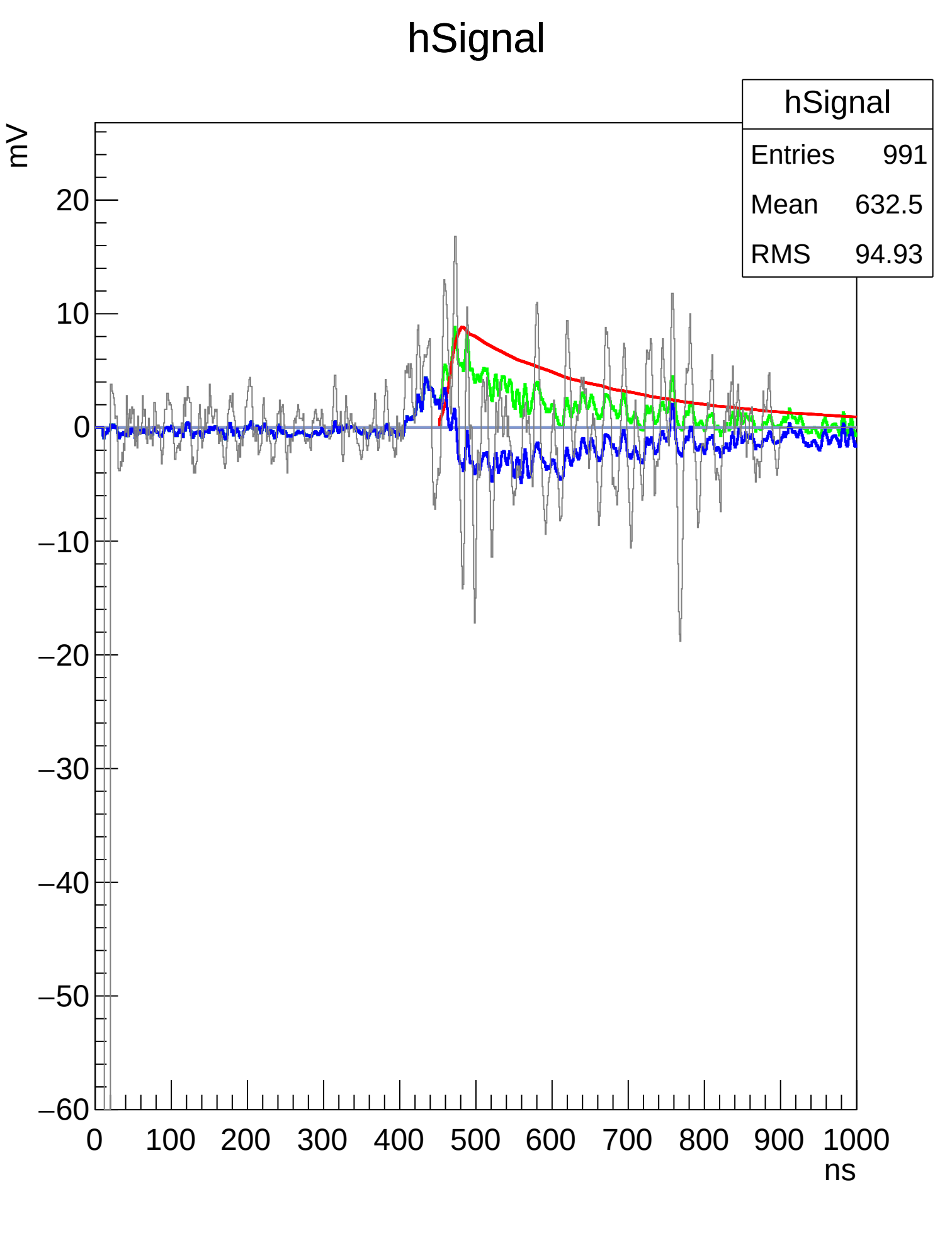
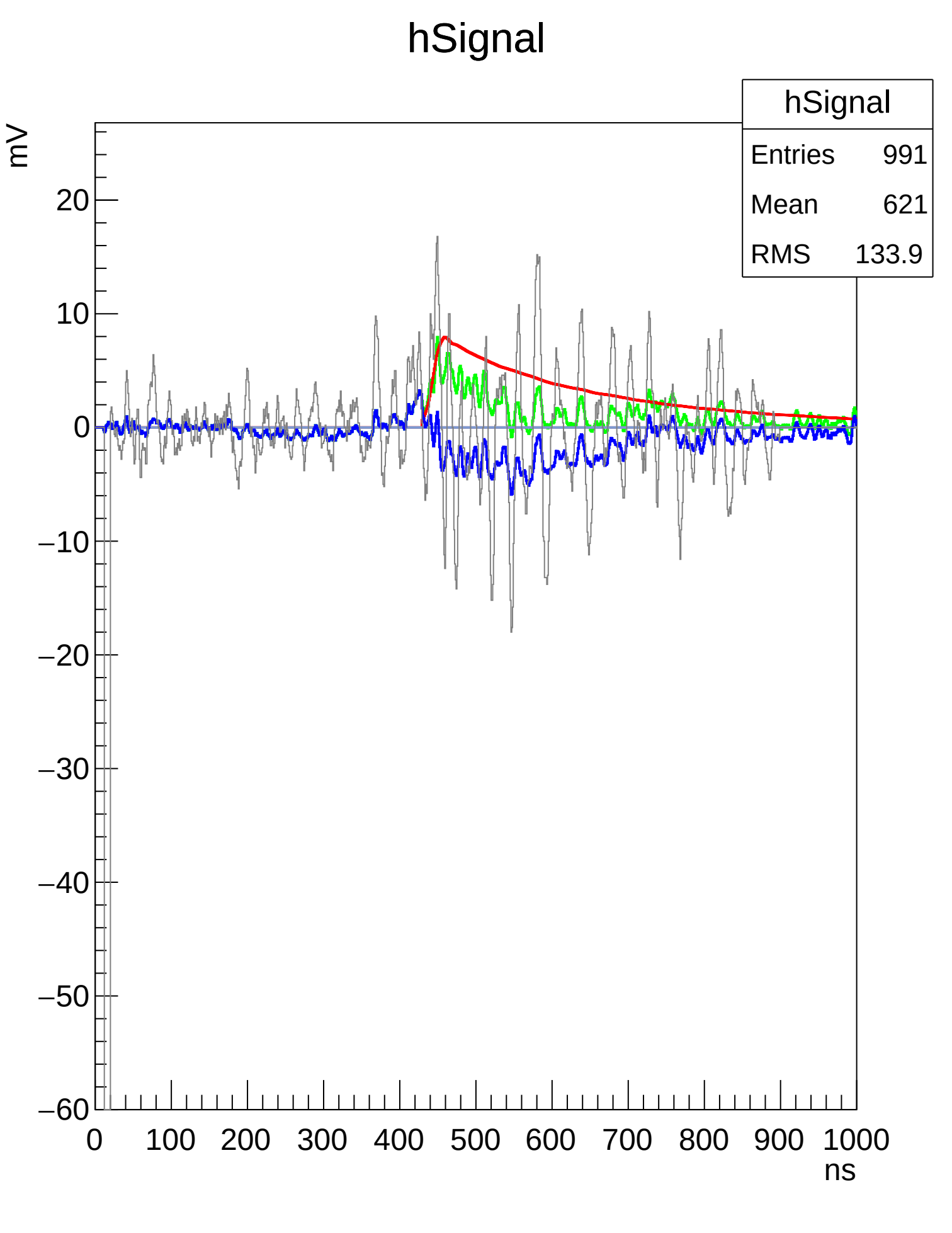
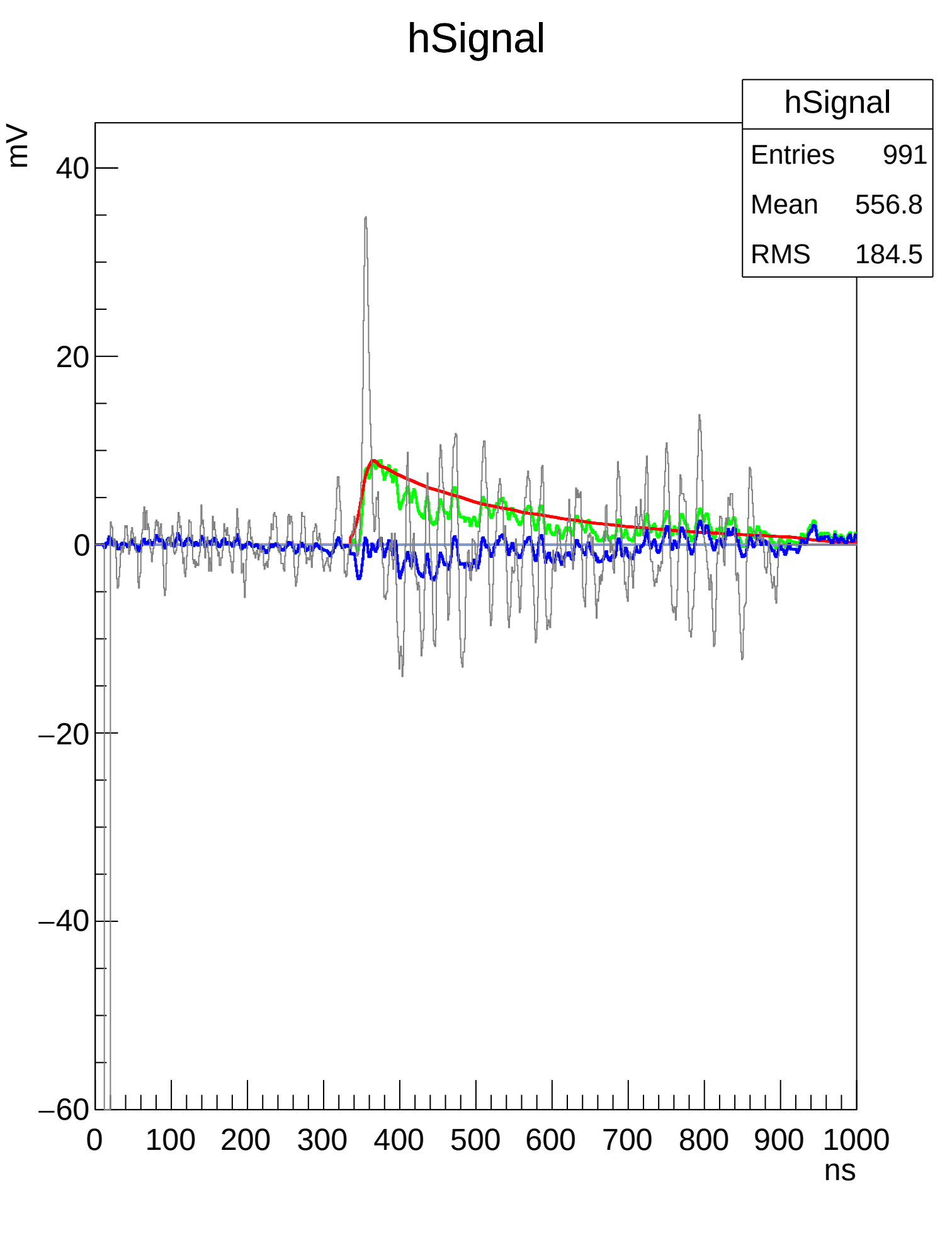
1000
ns


hSignal
hSignal
Entries 991
Mean 632.5
RMS 94.93
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621
RMS 133.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.8
RMS 184.5
mV
40
20
0
−20
−40
−60
0
100
200
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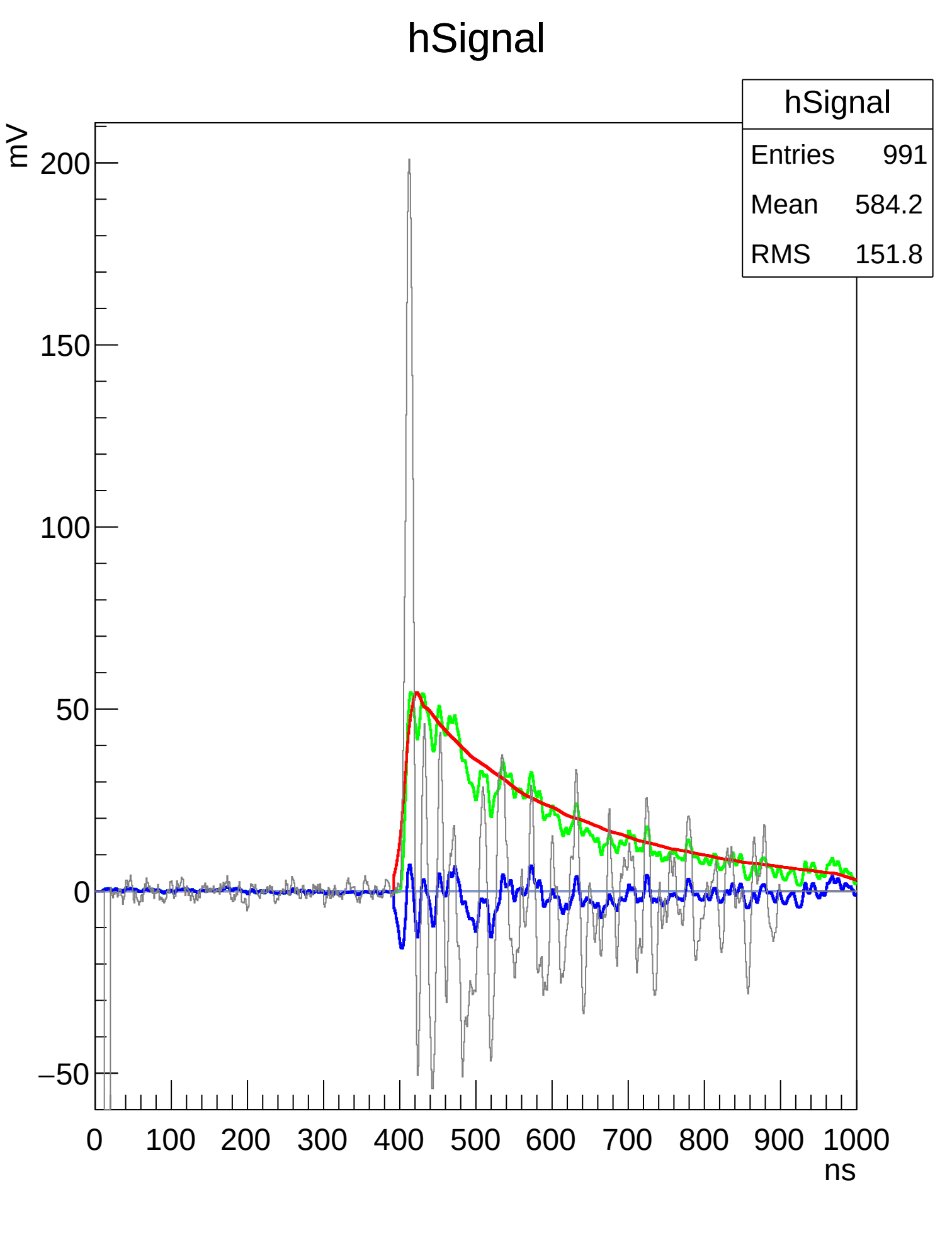
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.2
RMS 151.8
mV
200
150
100
50
0
−50
0
100
200
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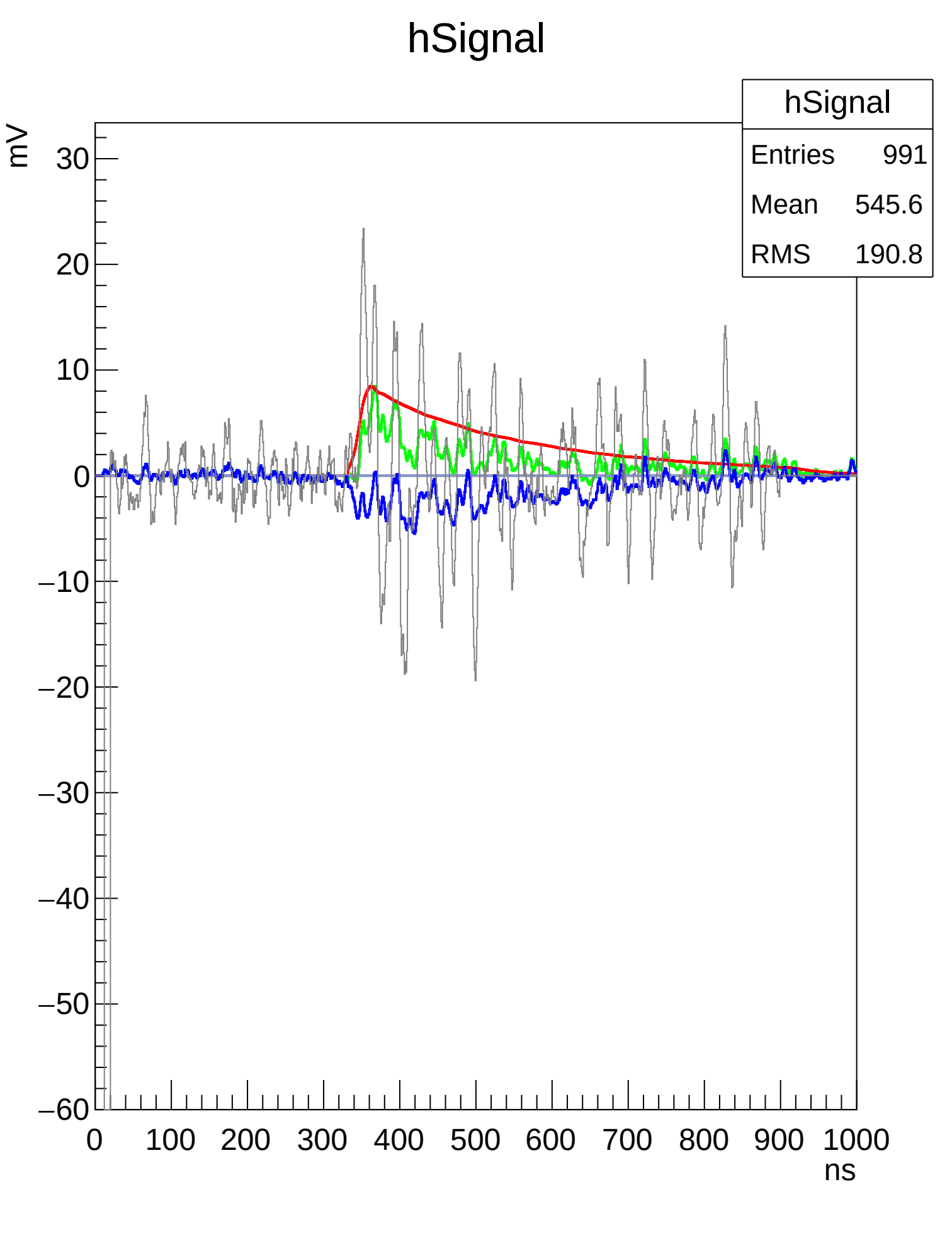
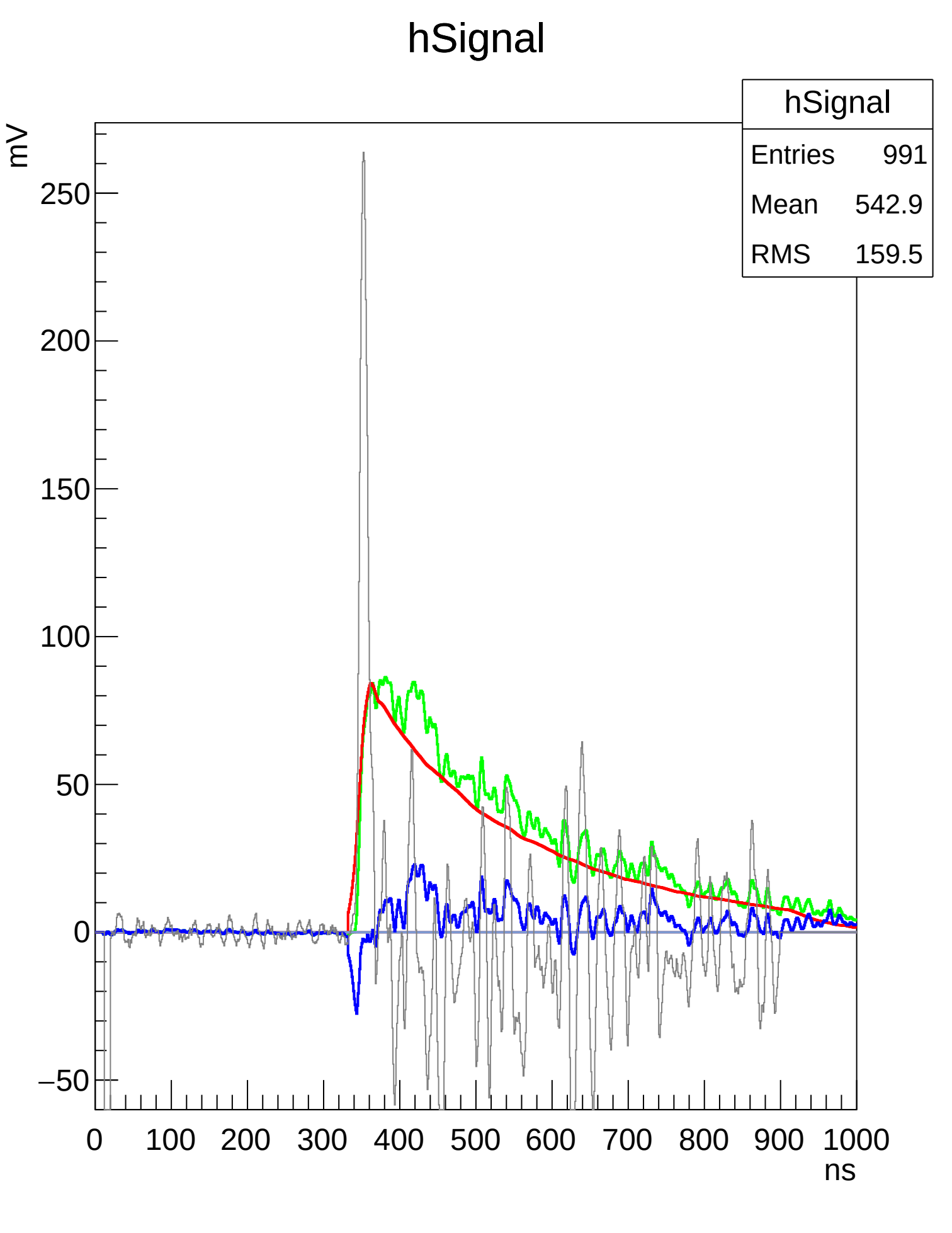
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 545.6
RMS 190.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.9
RMS 159.5
mV
250
200
150
100
50
0
−50
0
100
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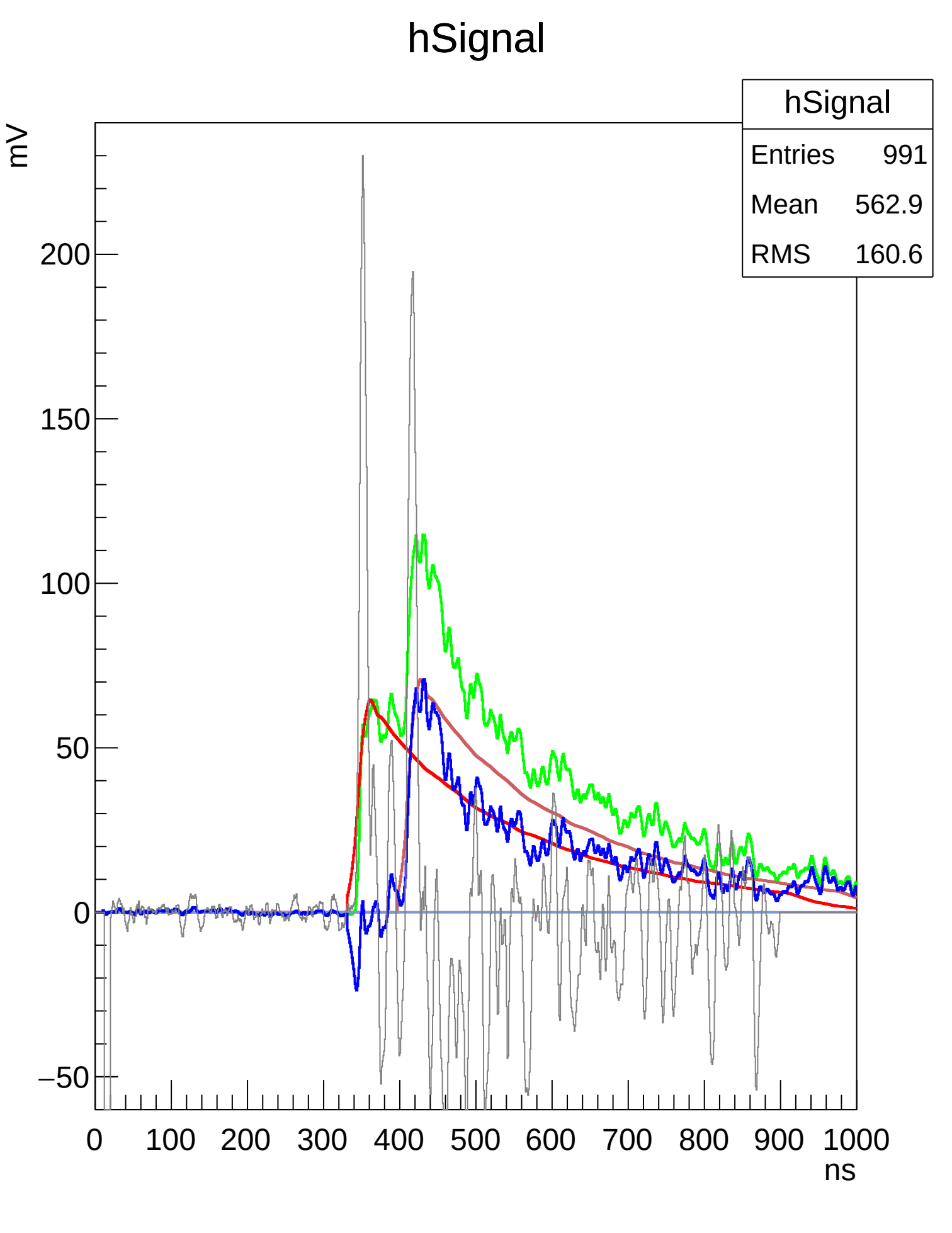
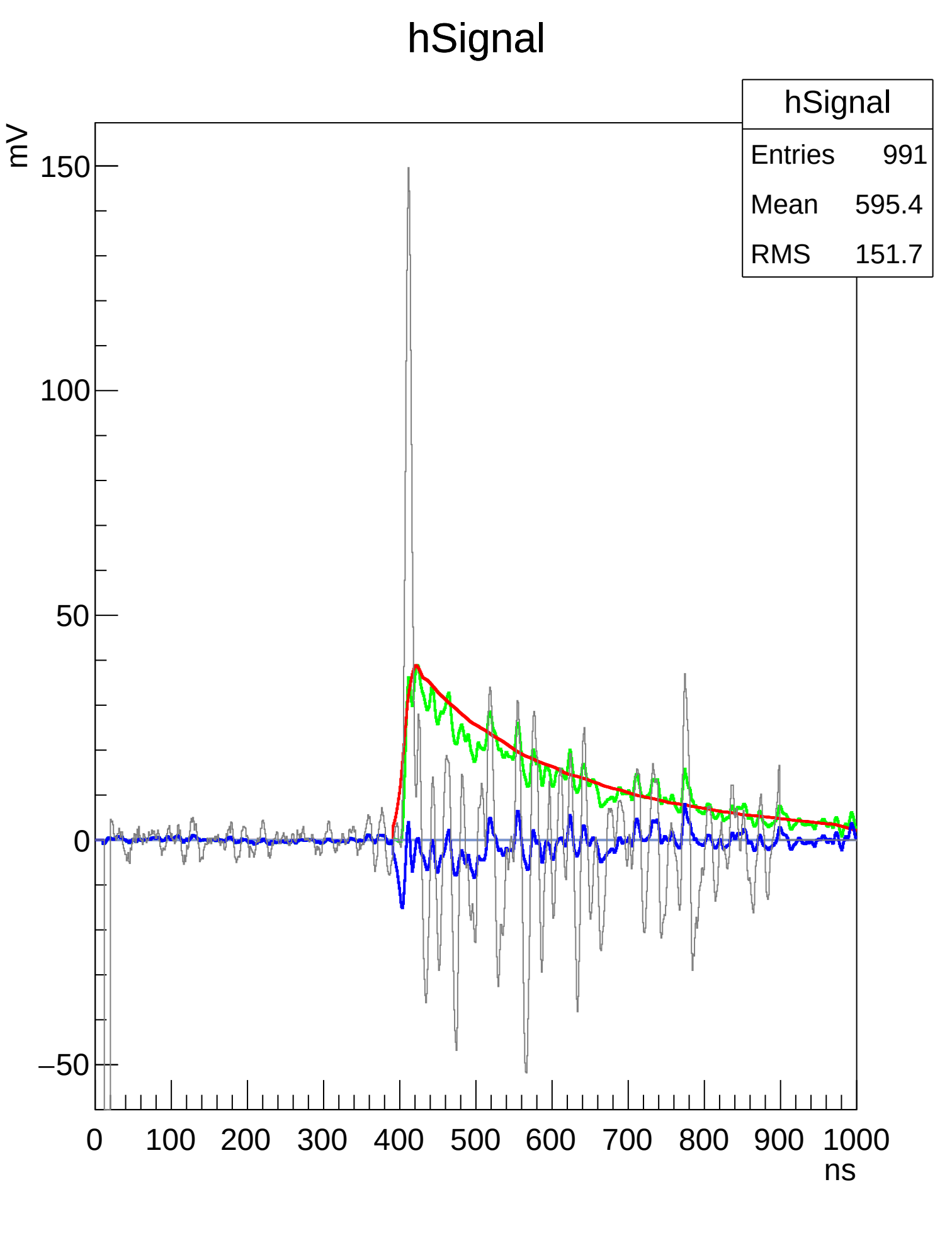
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.9
RMS 160.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.4
RMS 151.7
mV
150
100
50
0
−50
0
100
200
300
400
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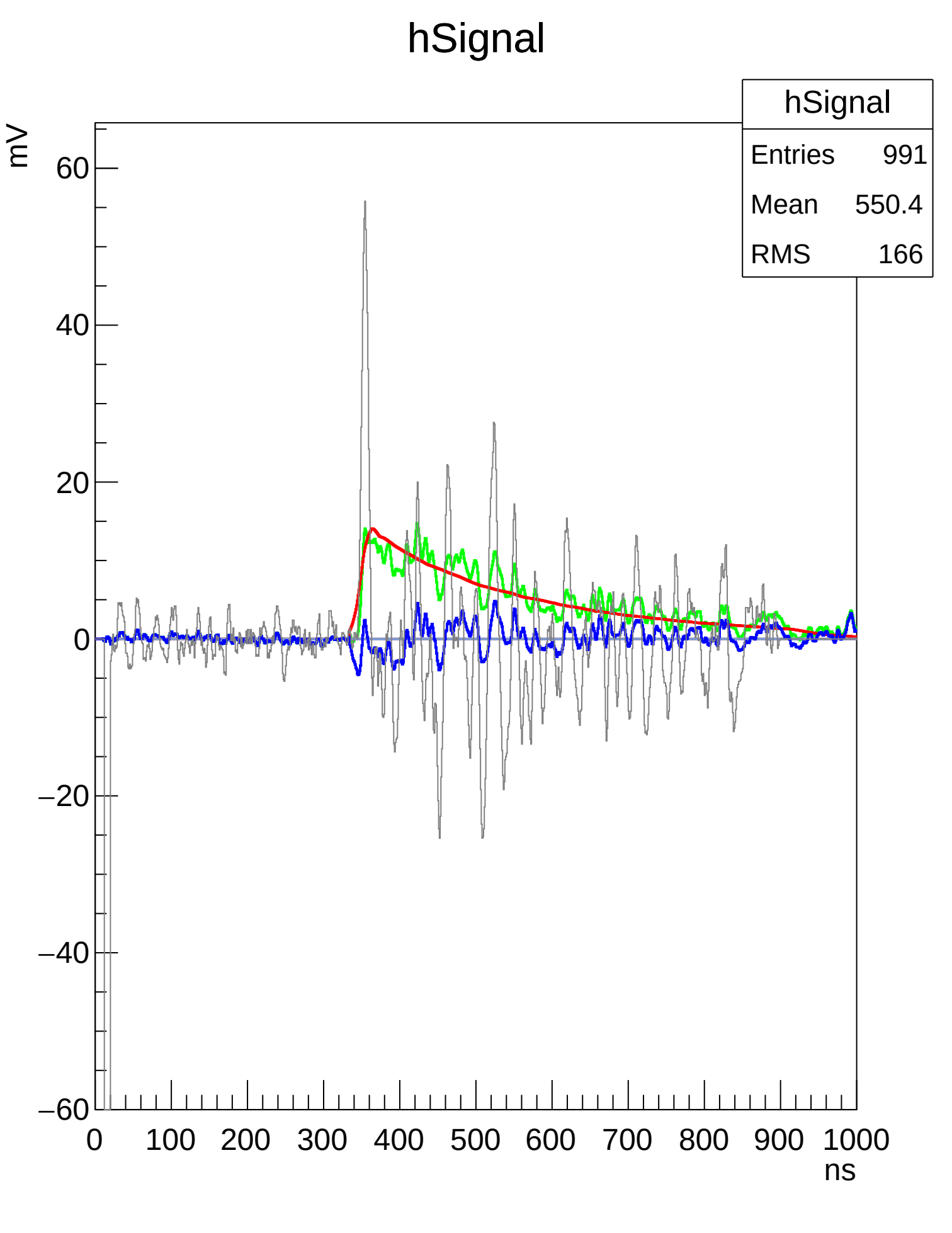
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.4
RMS 166
mV
60
40
20
0
−20
−40
−60
0
100
200
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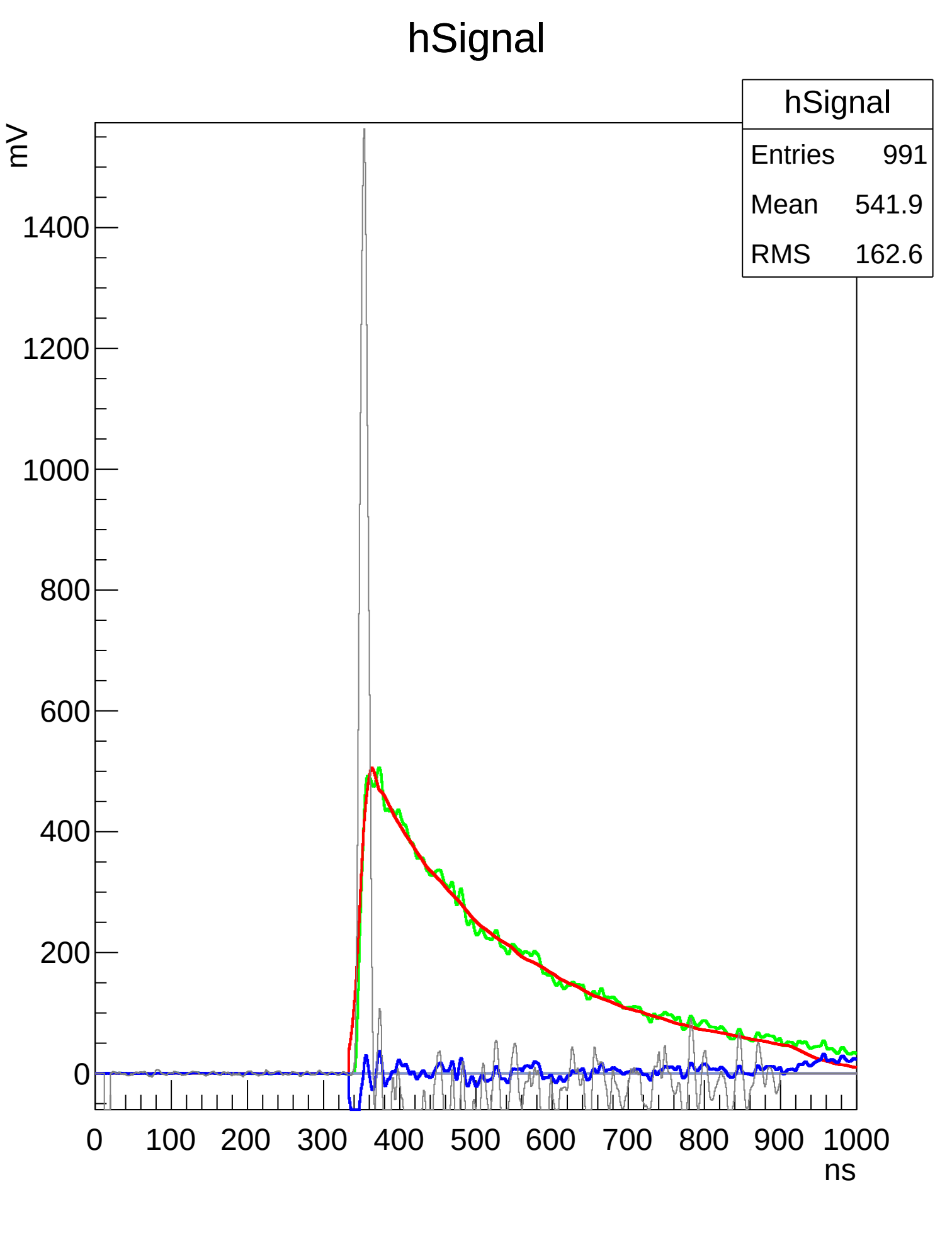
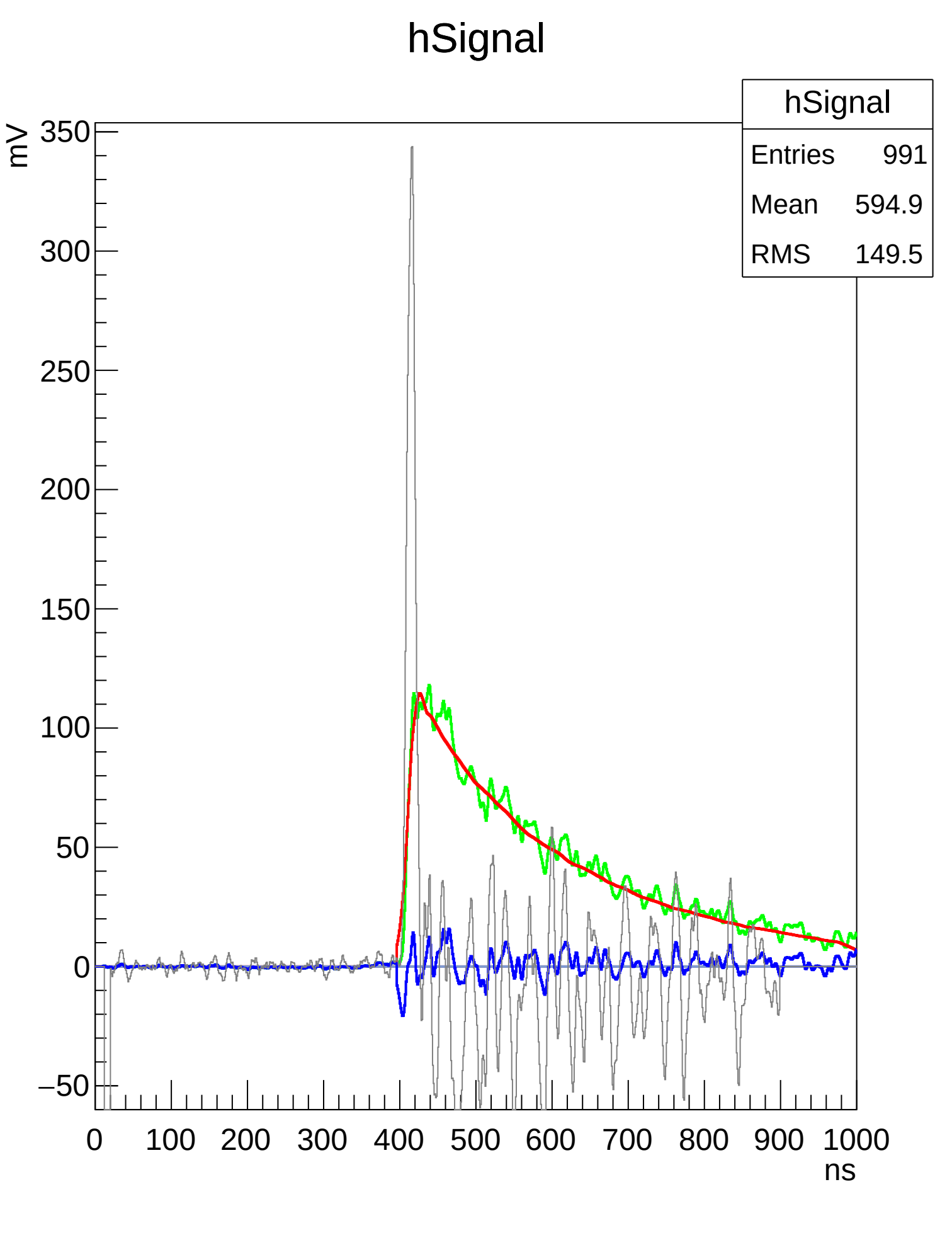
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.9
RMS 162.6
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.9
RMS 149.5
mV
350
300
250
200
150
100
50
0
−50
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100
200
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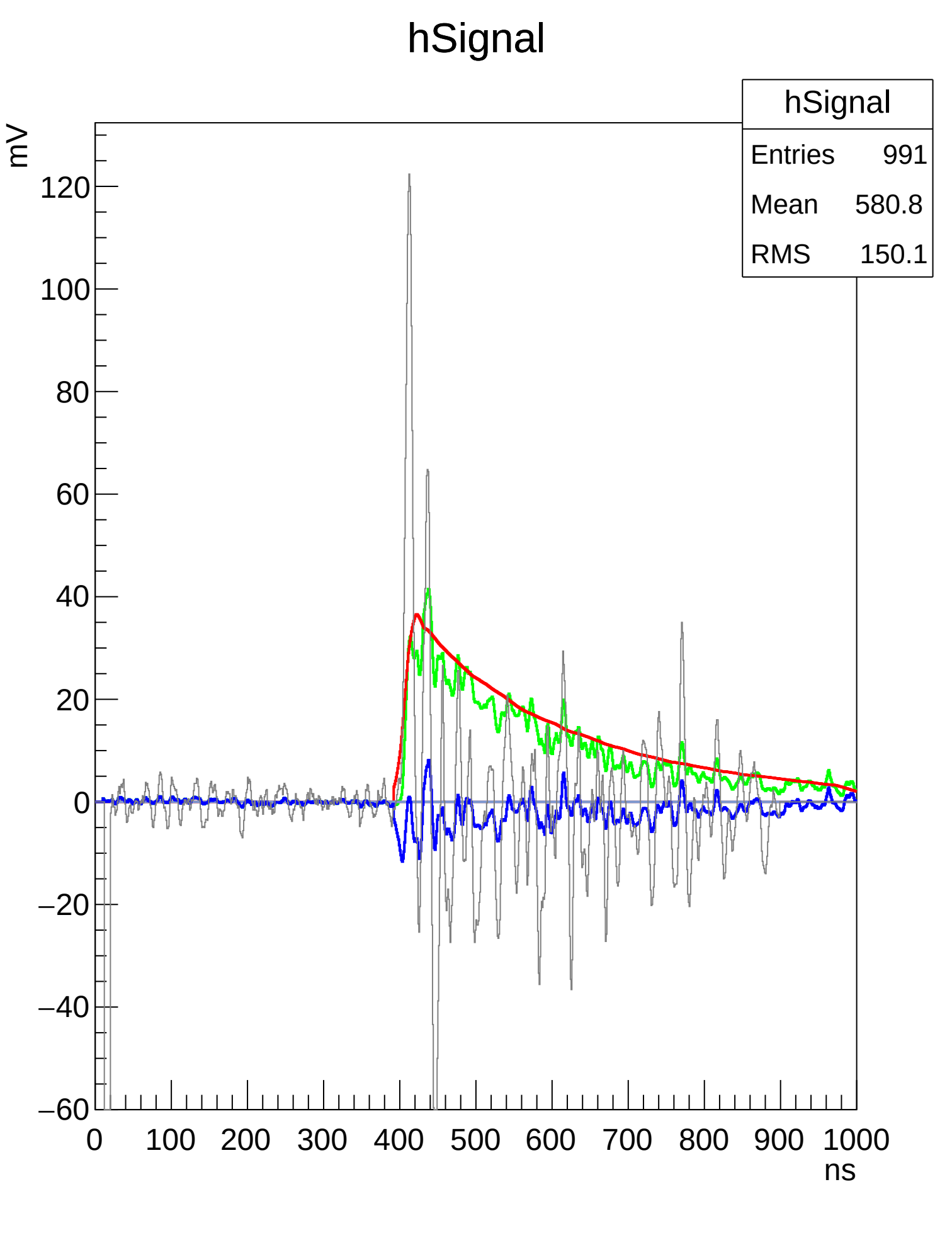
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.8
RMS 150.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
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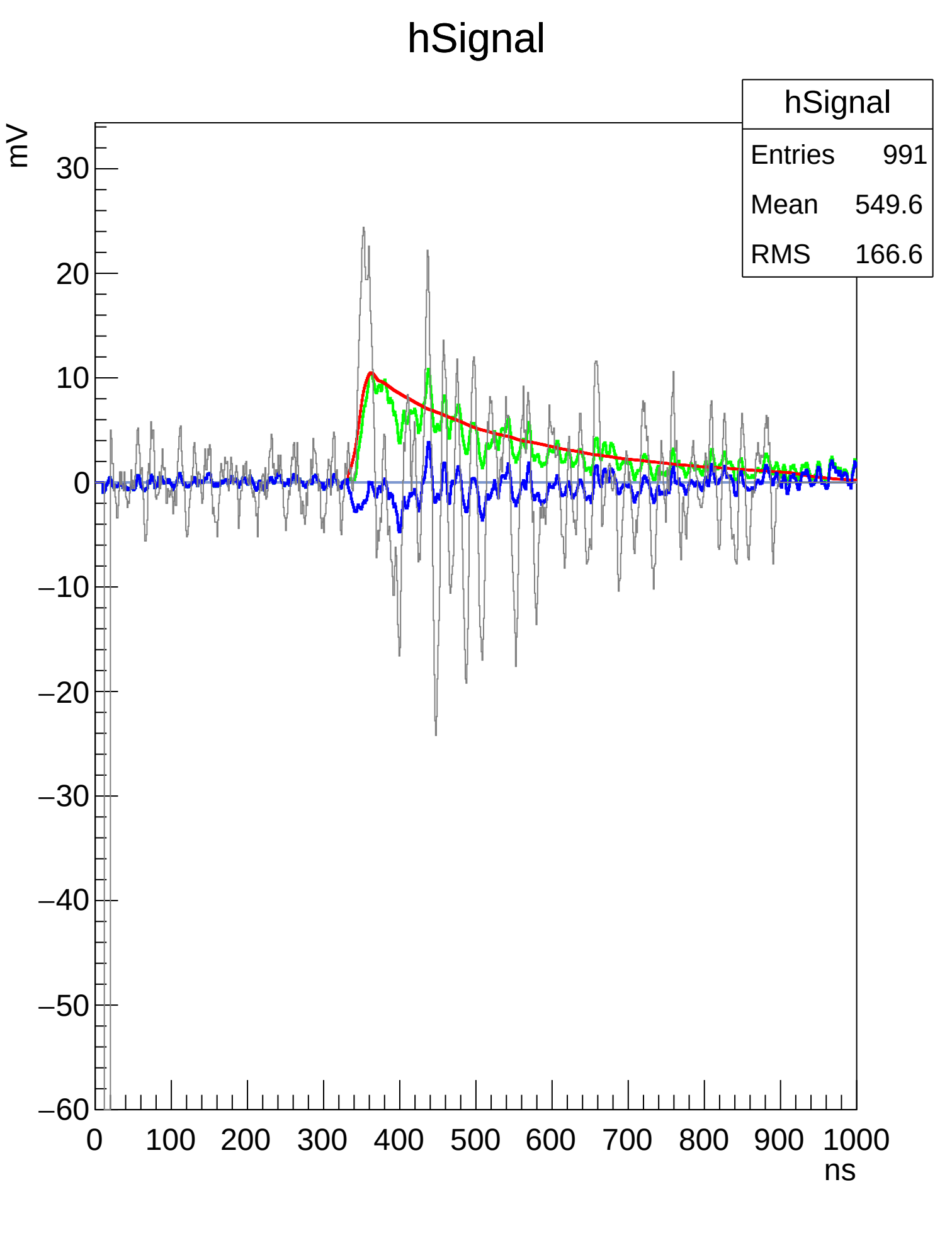
hSignal
hSignal
Entries 991
Mean 549.6
RMS 166.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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800
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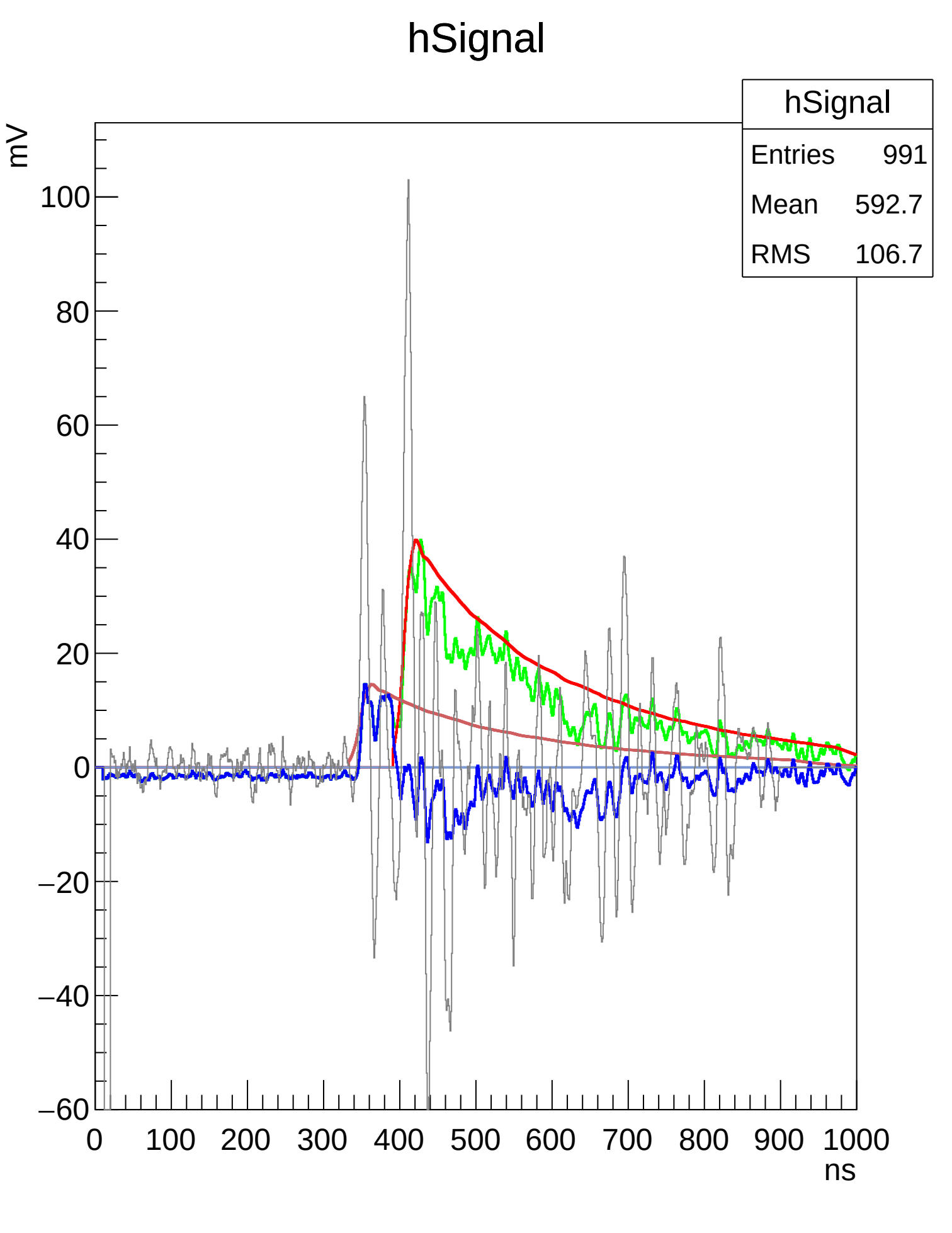
1000
ns


hSignal
hSignal
Entries 991
Mean 592.7
RMS 106.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
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800
900
1000
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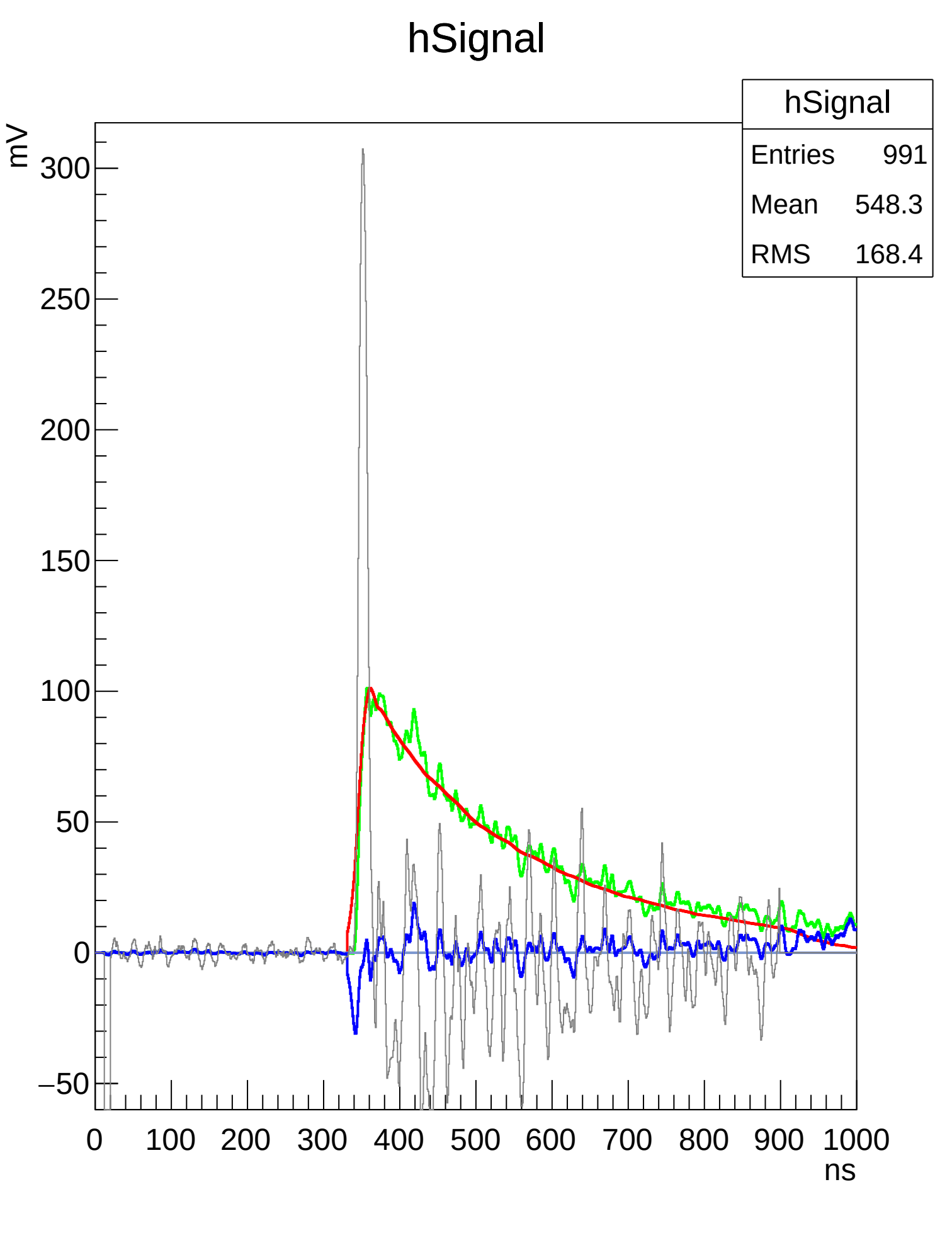
hSignal
hSignal
Entries 991
Mean 548.3
RMS 168.4
mV
300
250
200
150
100
50
0
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0
100
200
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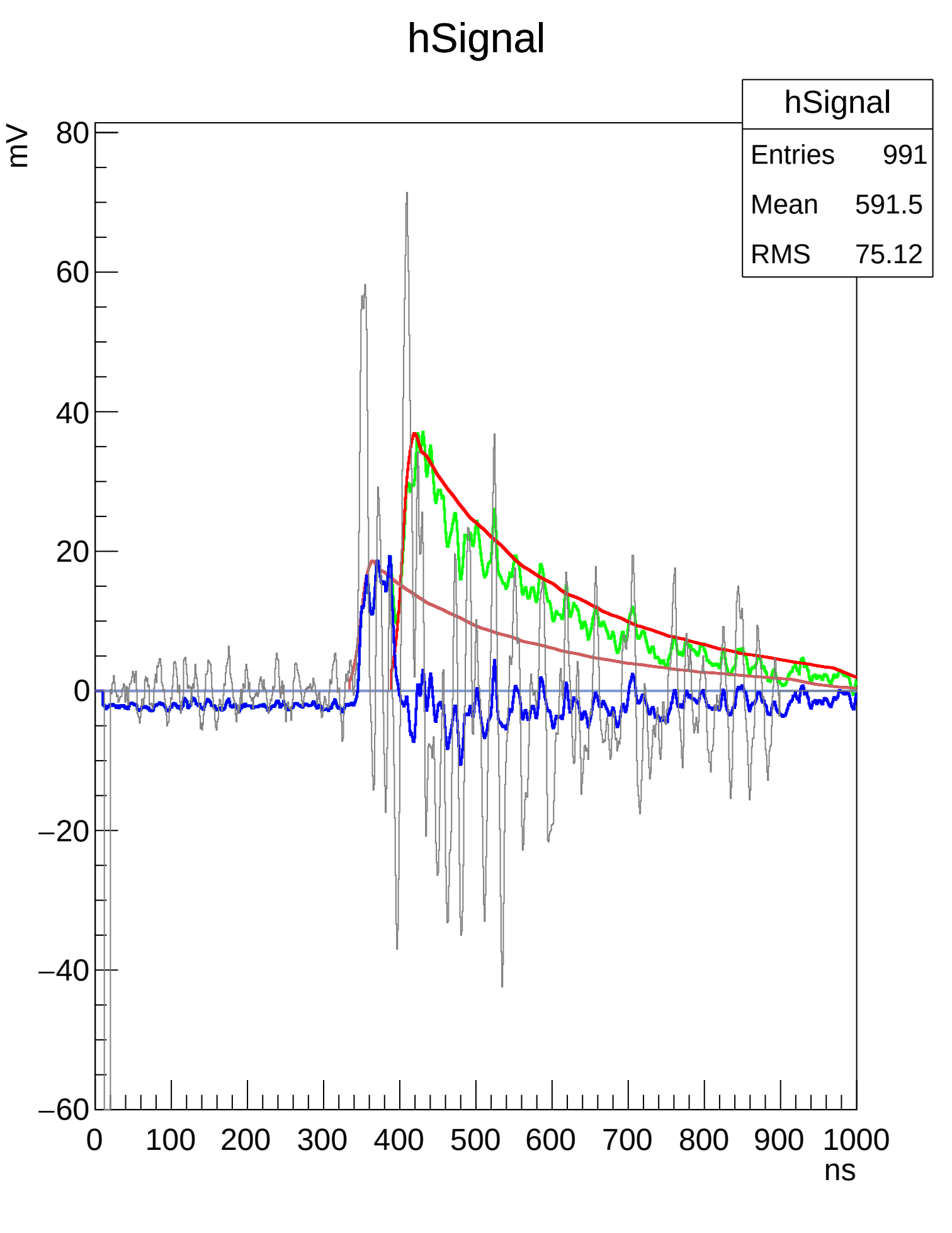
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.5
RMS 75.12
mV
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−20
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0
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300
400
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600
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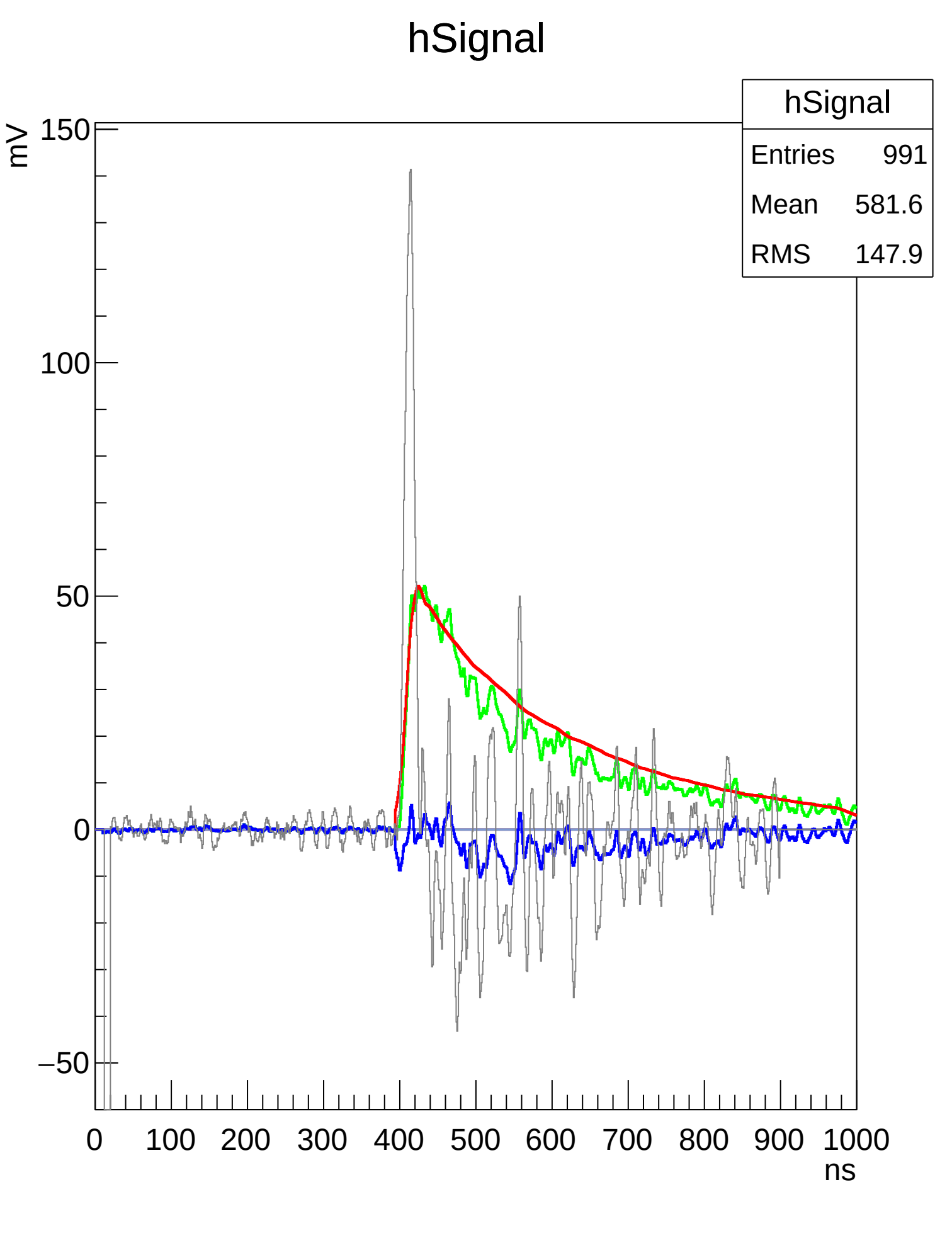
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.6
RMS 147.9
mV
150
100
50
0
−50
0
100
200
300
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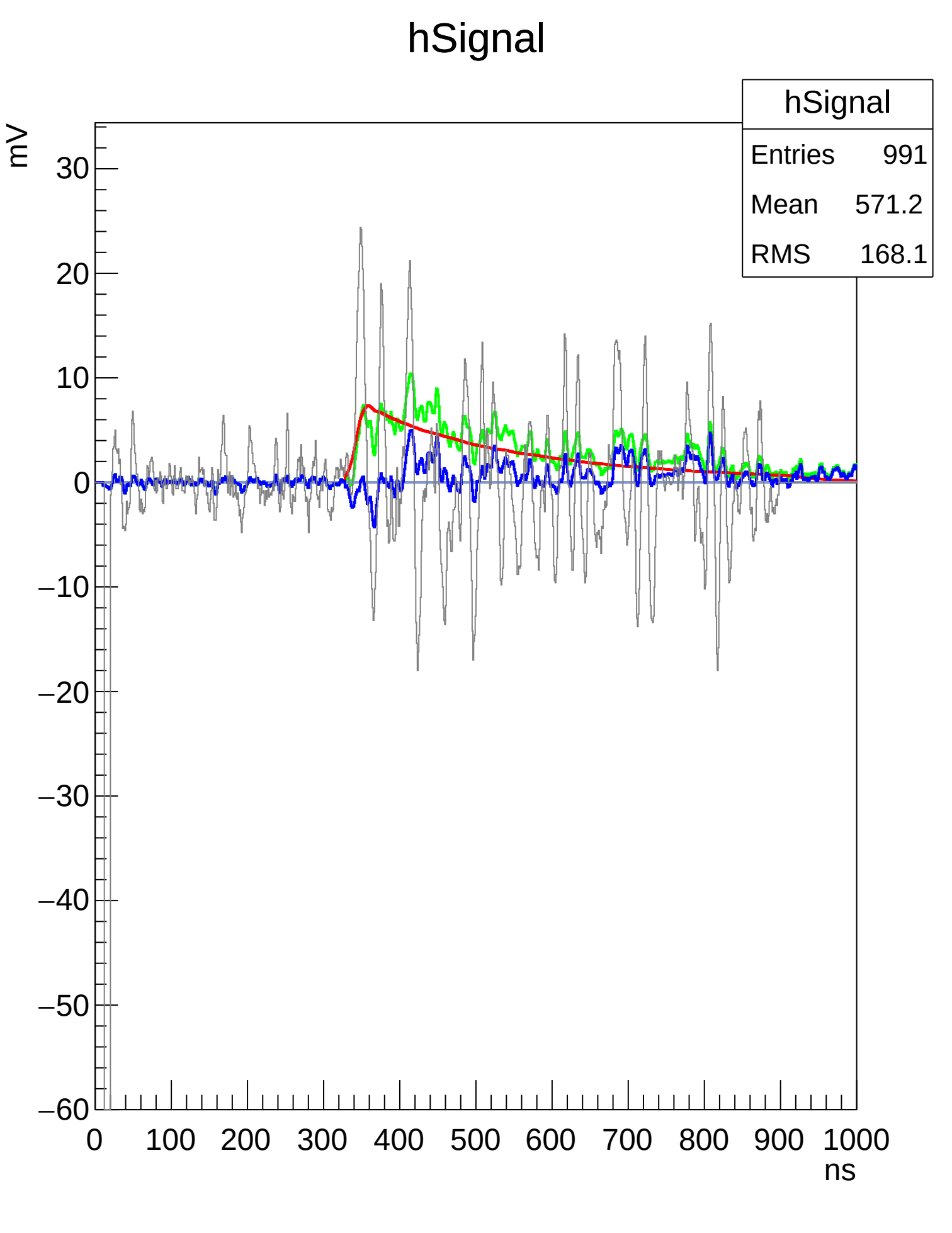
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.2
RMS 168.1
mV
30
20
10
0
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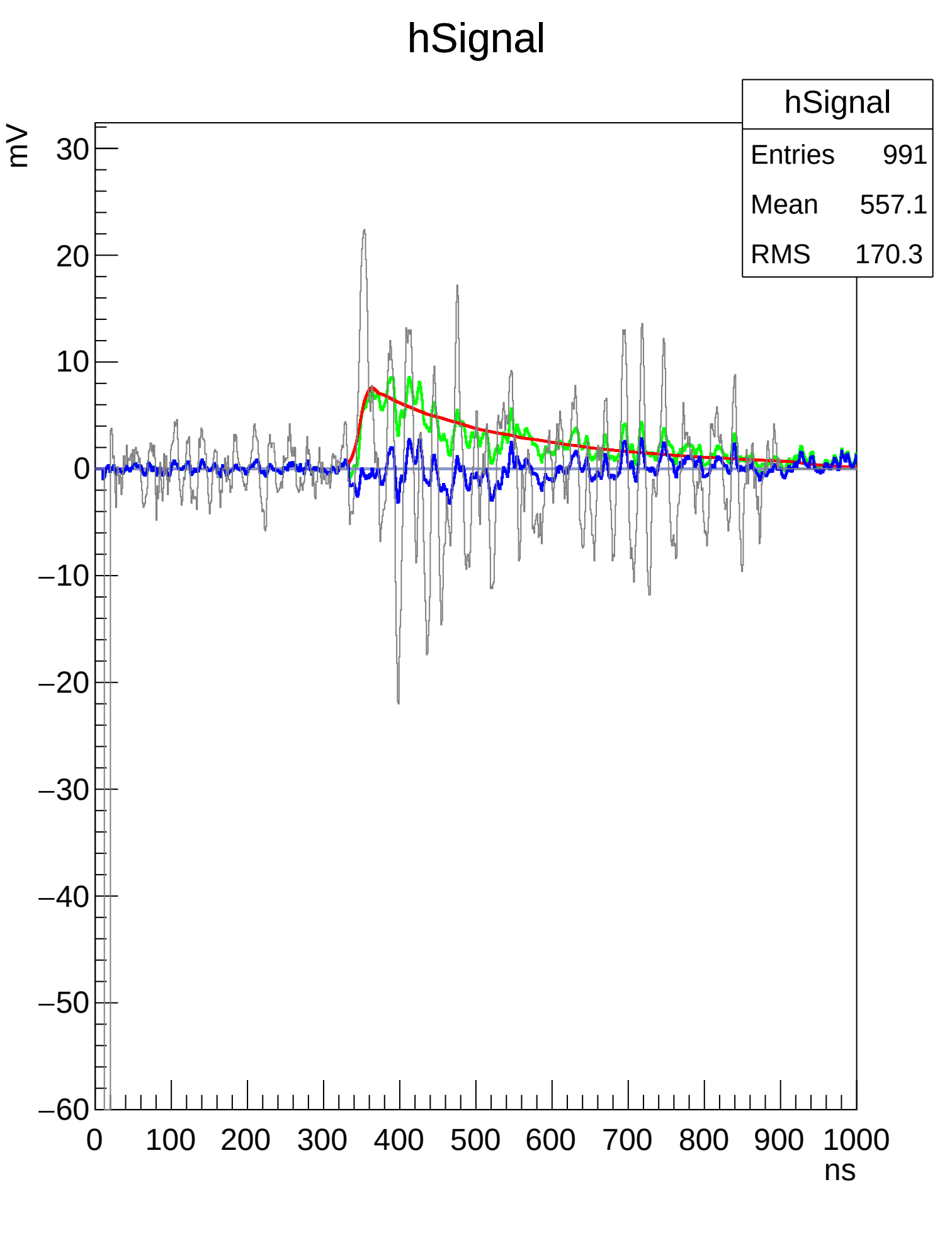
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.1
RMS 170.3
mV
30
20
10
0
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−50
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0
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800
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1000
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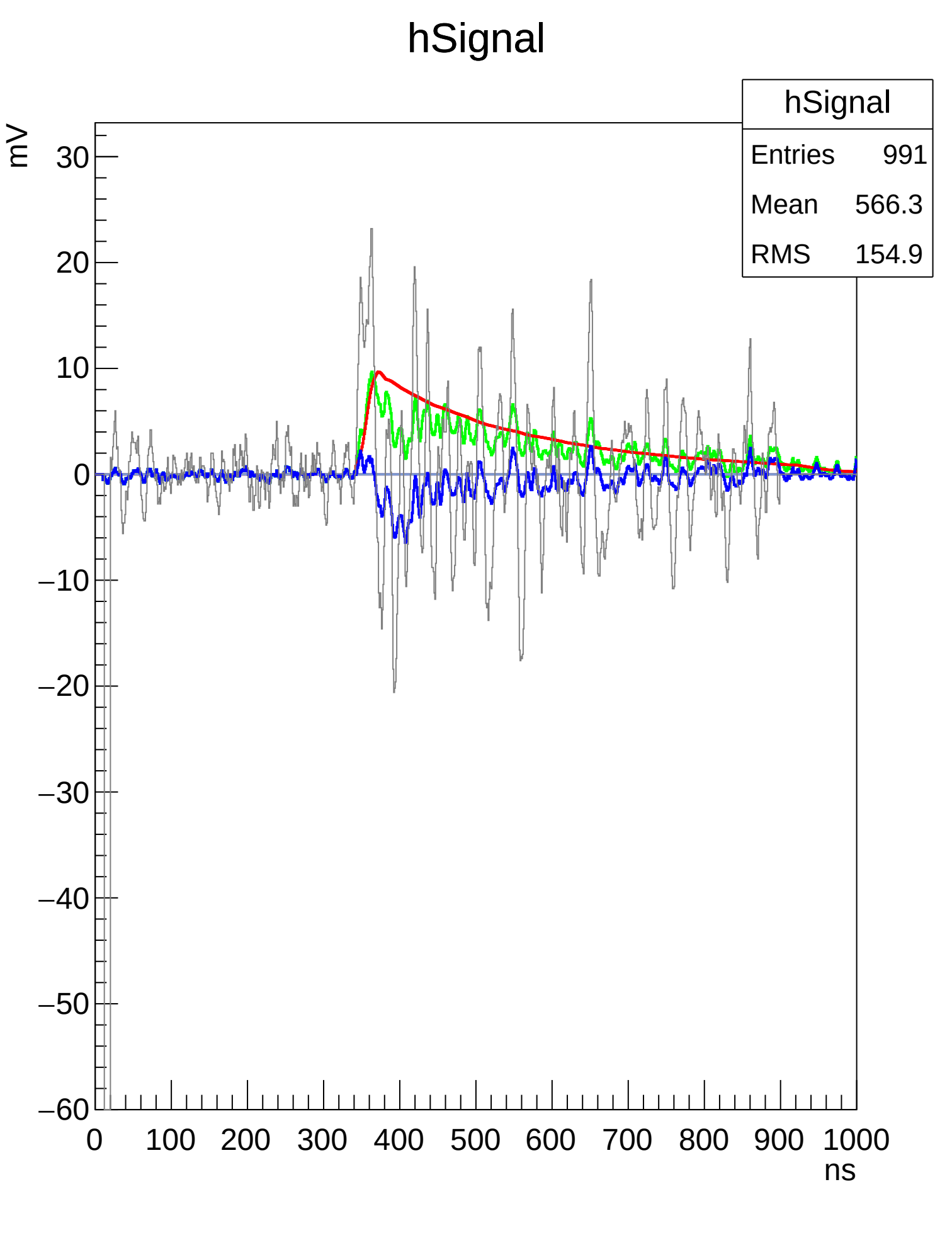
hSignal
hSignal
Entries 991
Mean 566.3
RMS 154.9
mV
30
20
10
0
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0
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800
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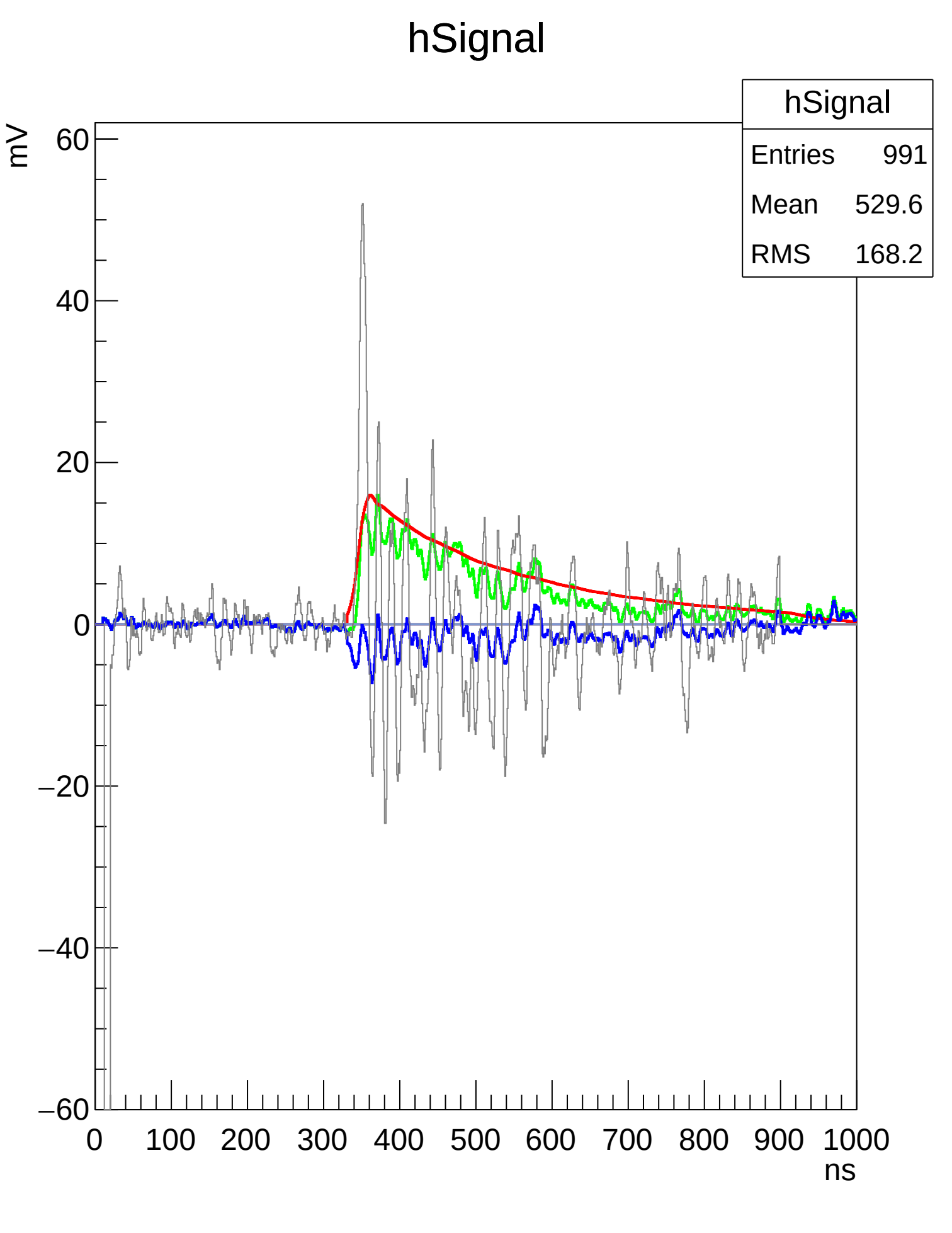
1000
ns


hSignal
hSignal
Entries 991
Mean 529.6
RMS 168.2
mV
60
40
20
0
−20
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0
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600
700
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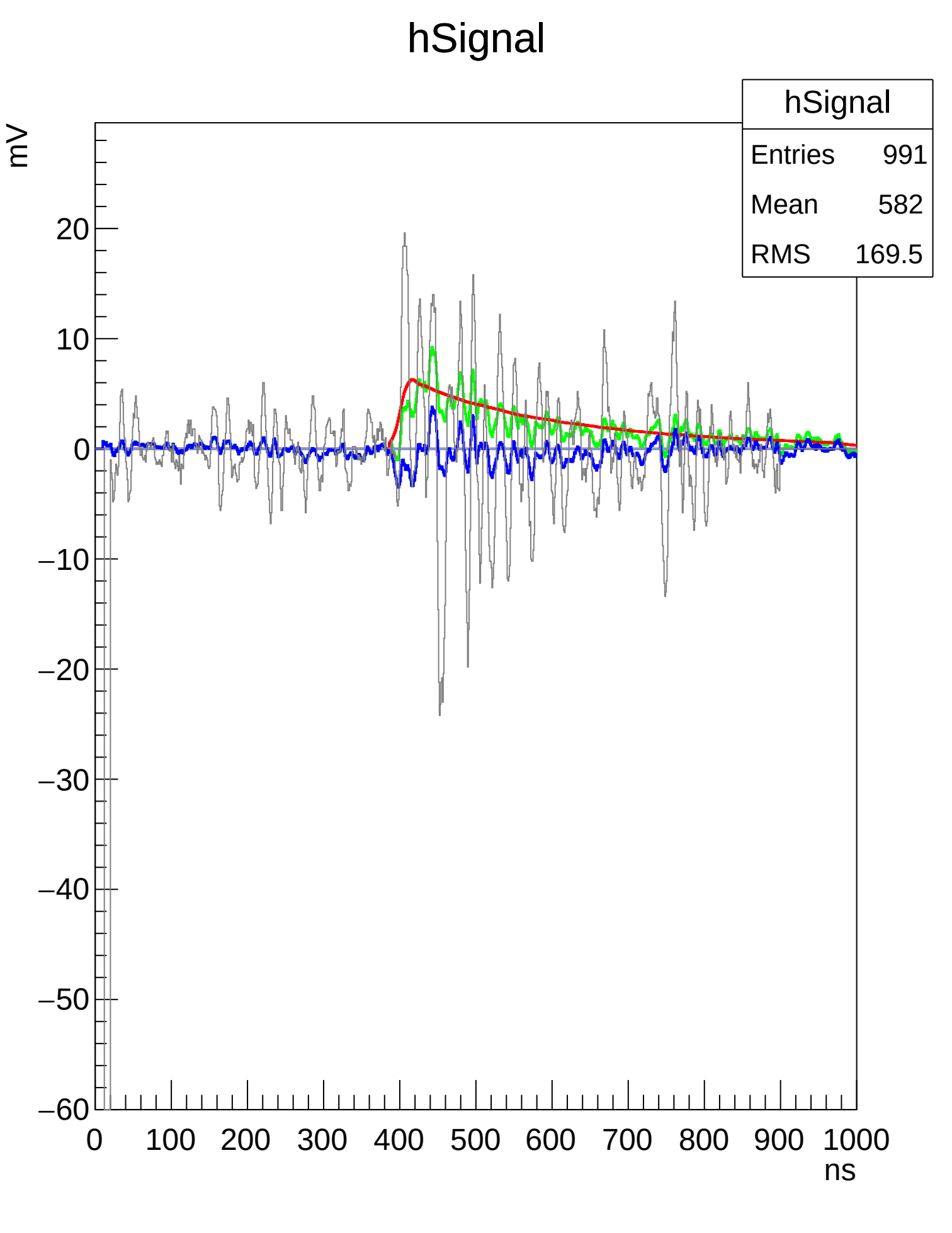
1000
ns


hSignal
hSignal
Entries 991
Mean 582
RMS 169.5
mV
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10
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800
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1000
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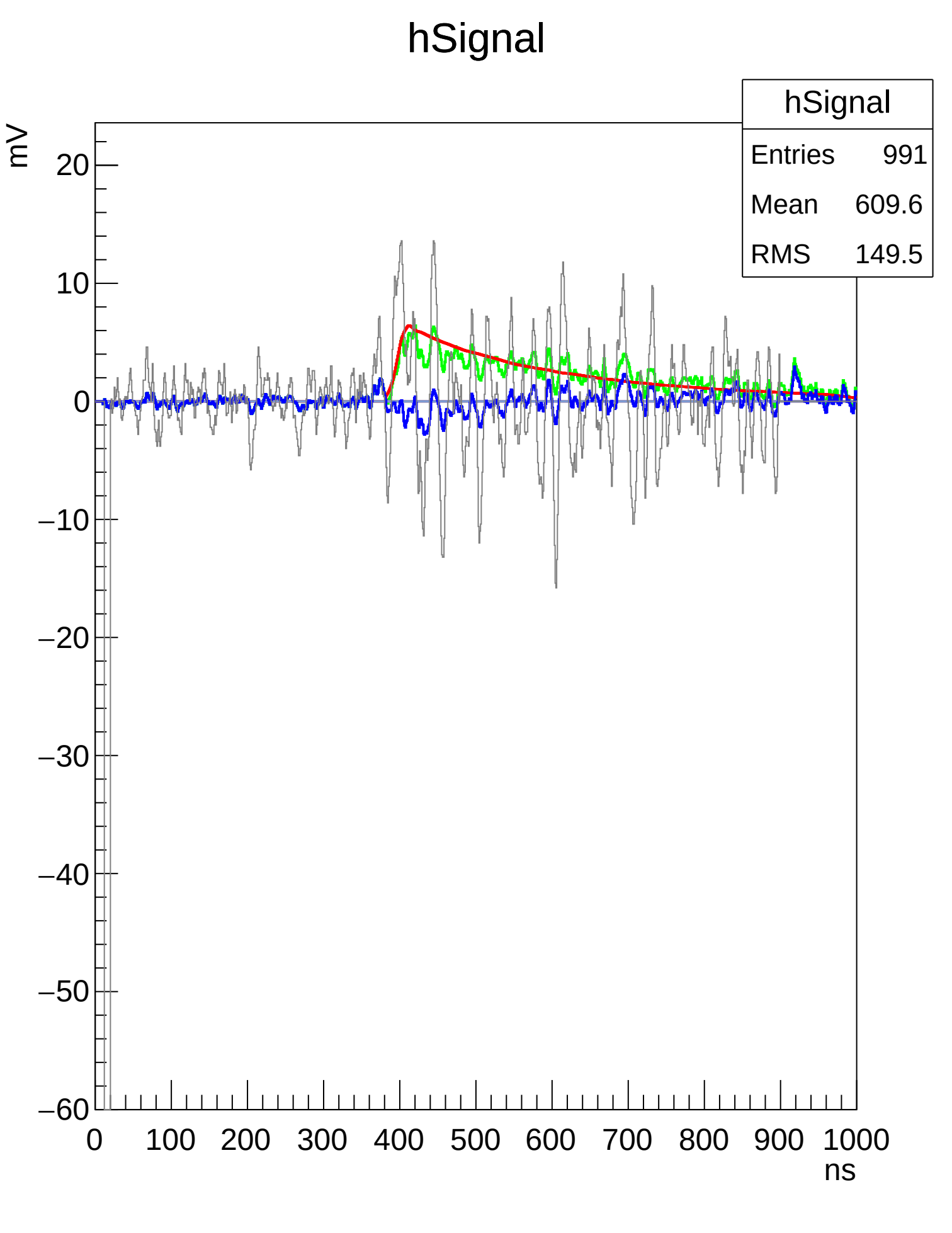
hSignal
hSignal
Entries 991
Mean 609.6
RMS 149.5
mV
20
10
0
−10
−20
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−40
−50
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200
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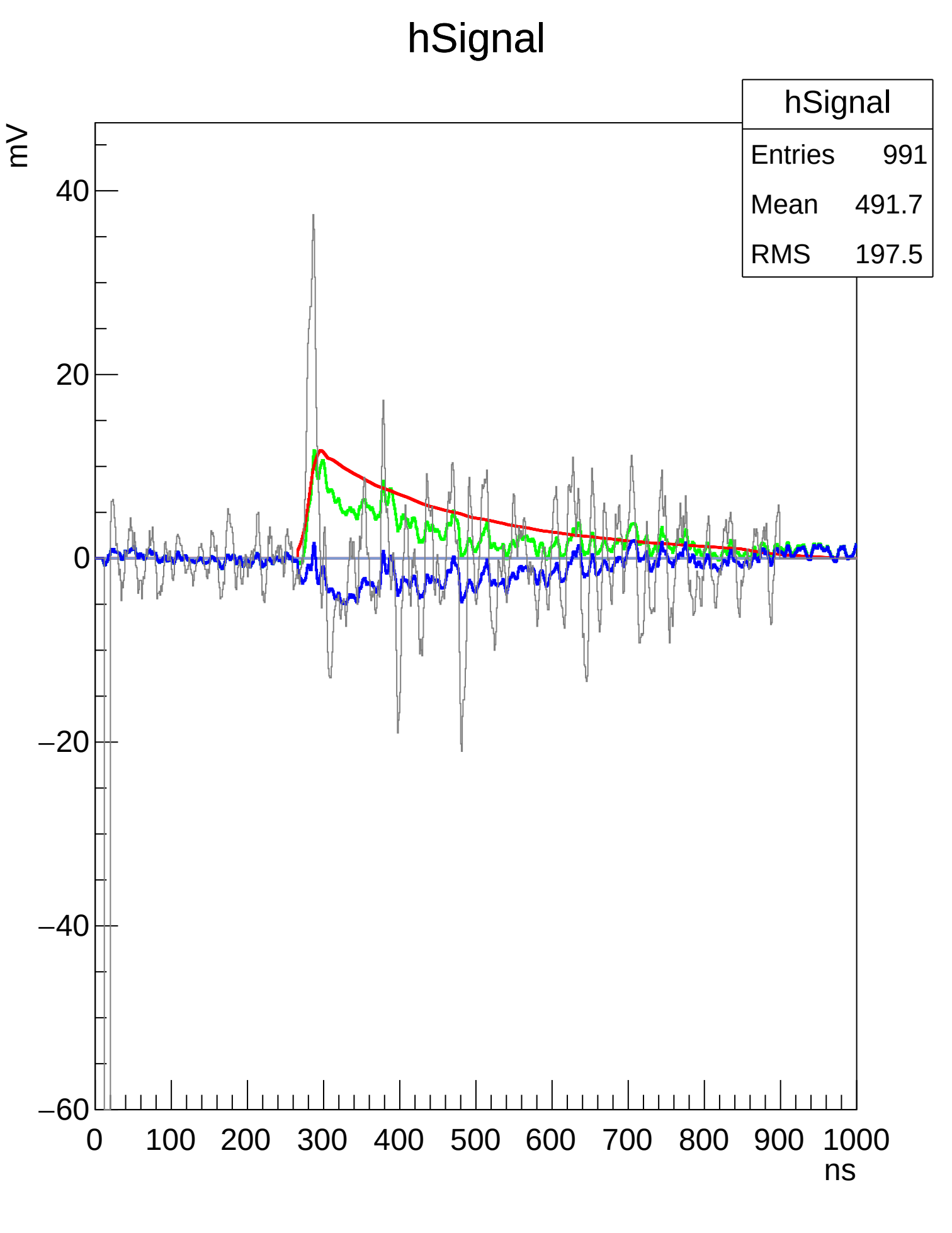
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.7
RMS 197.5
mV
40
20
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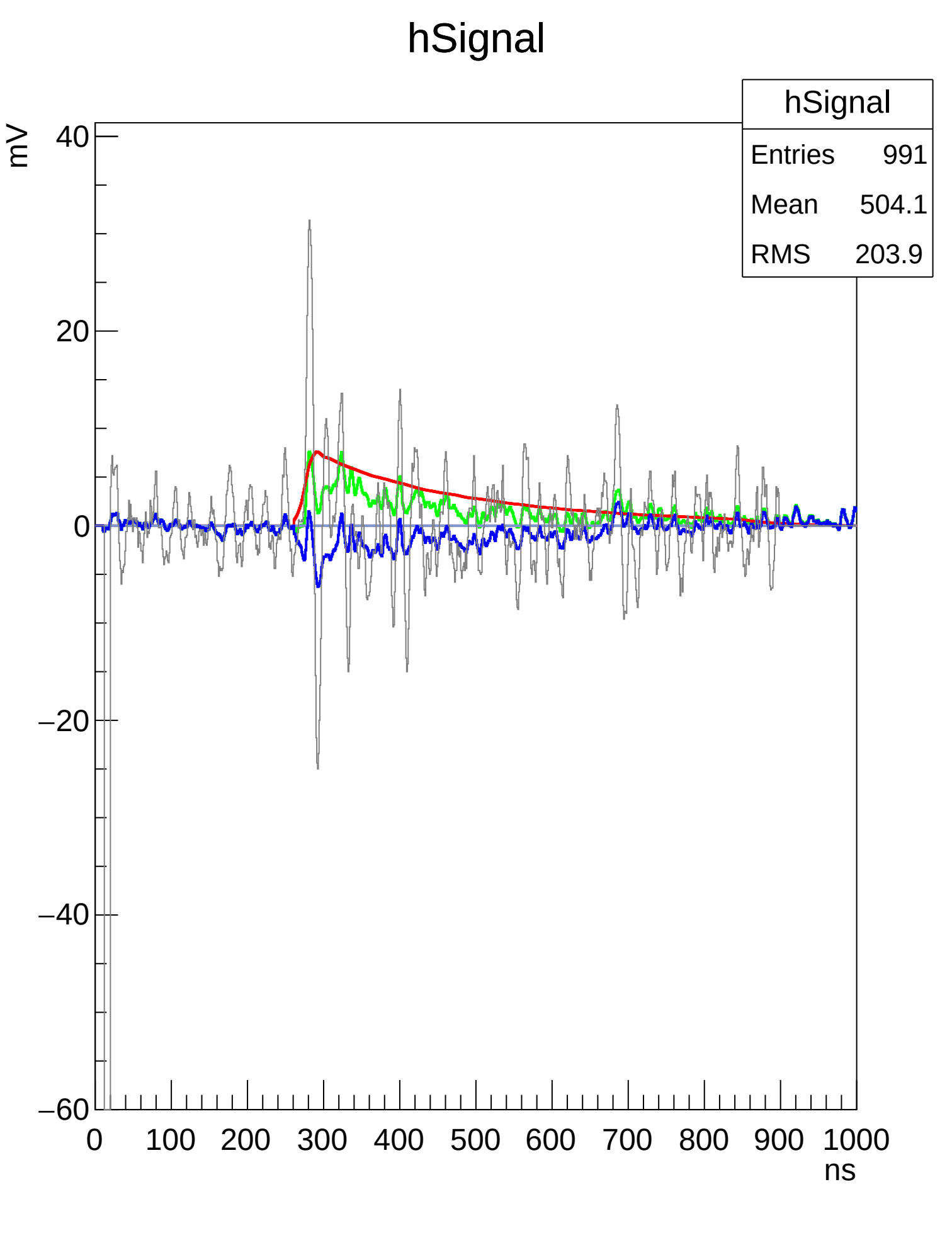
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.1
RMS 203.9
mV
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−20
−40
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200
300
400
500
600
700
800
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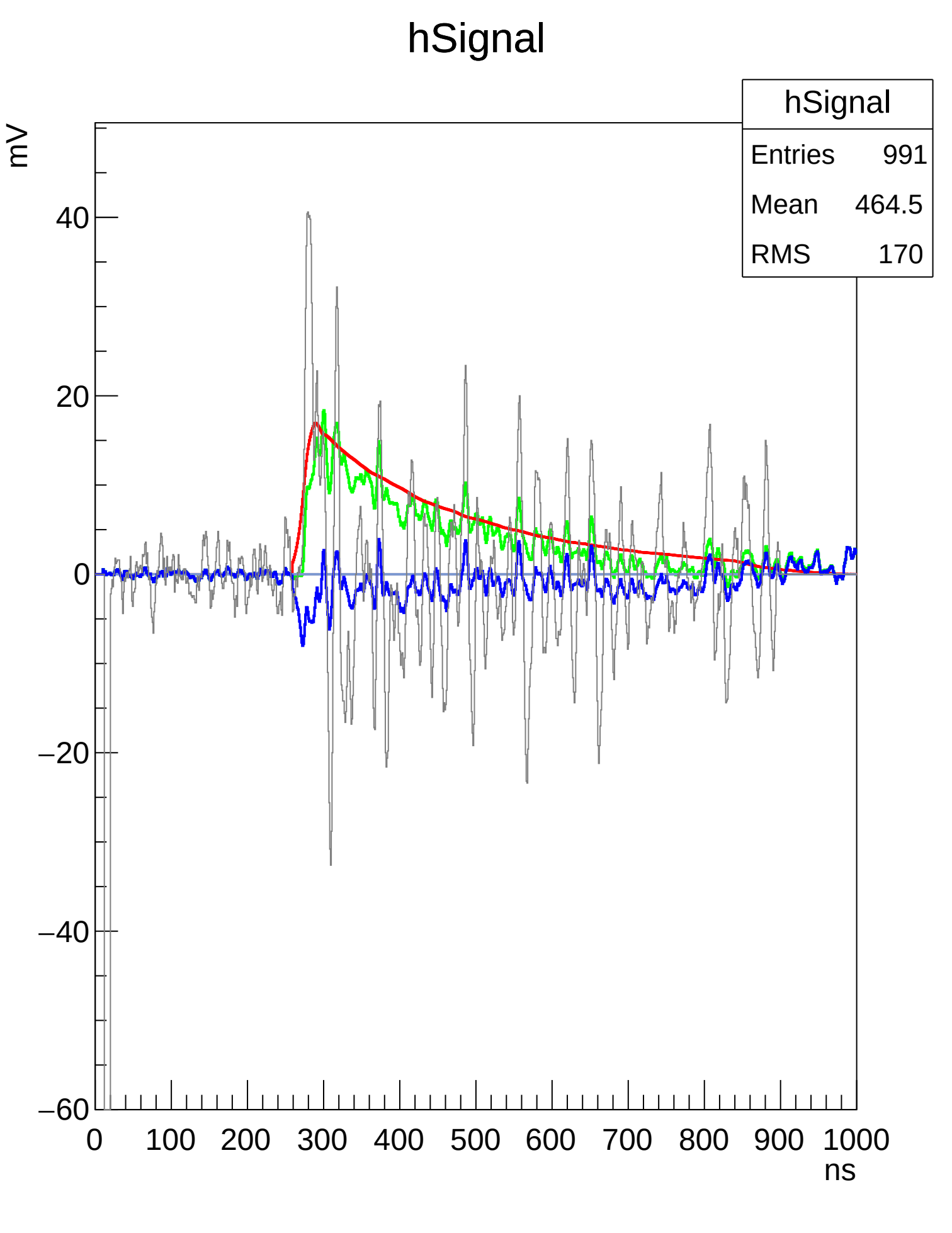
1000
ns


hSignal
hSignal
Entries 991
Mean 464.5
RMS 170
mV
40
20
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−20
−40
−60
0
100
200
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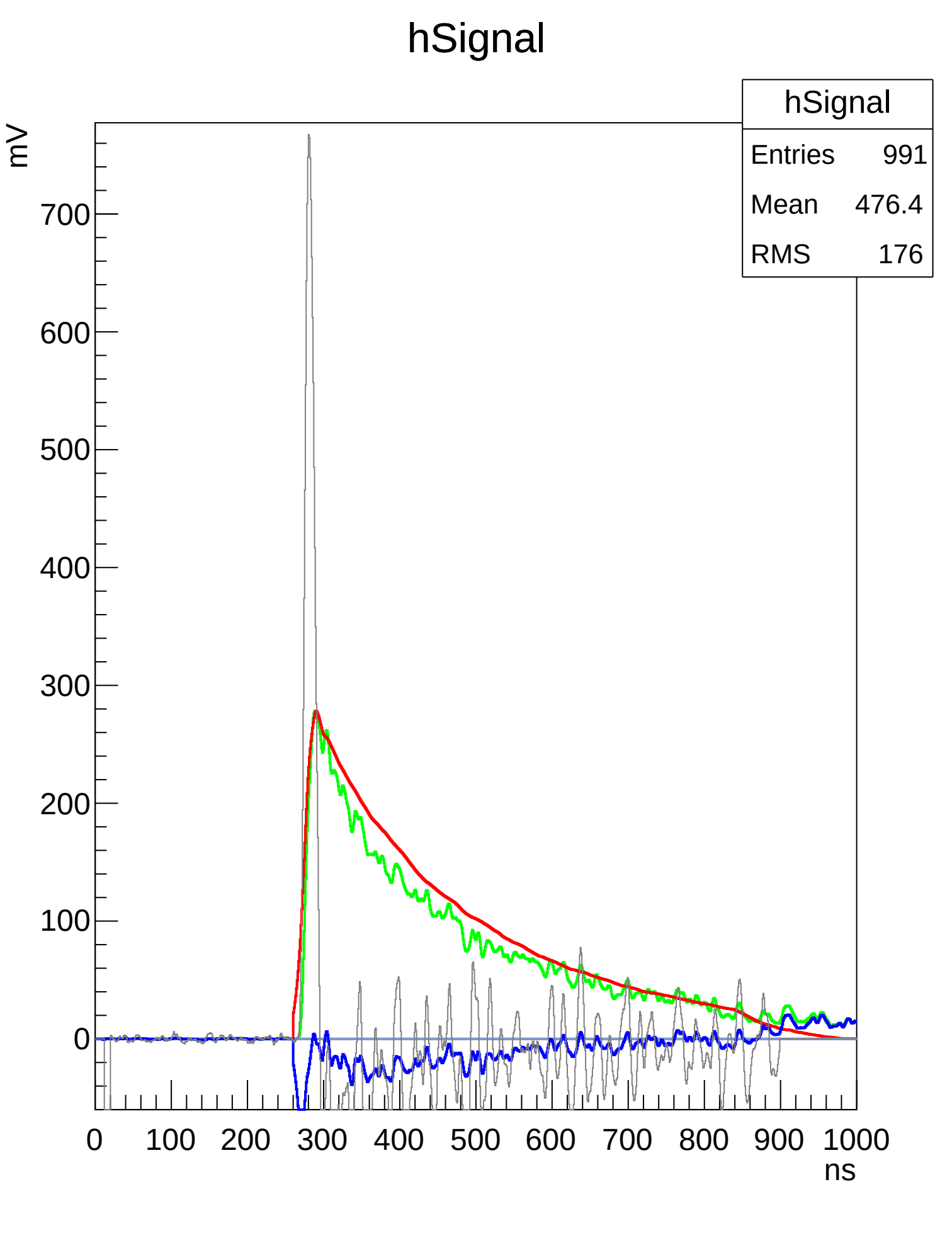
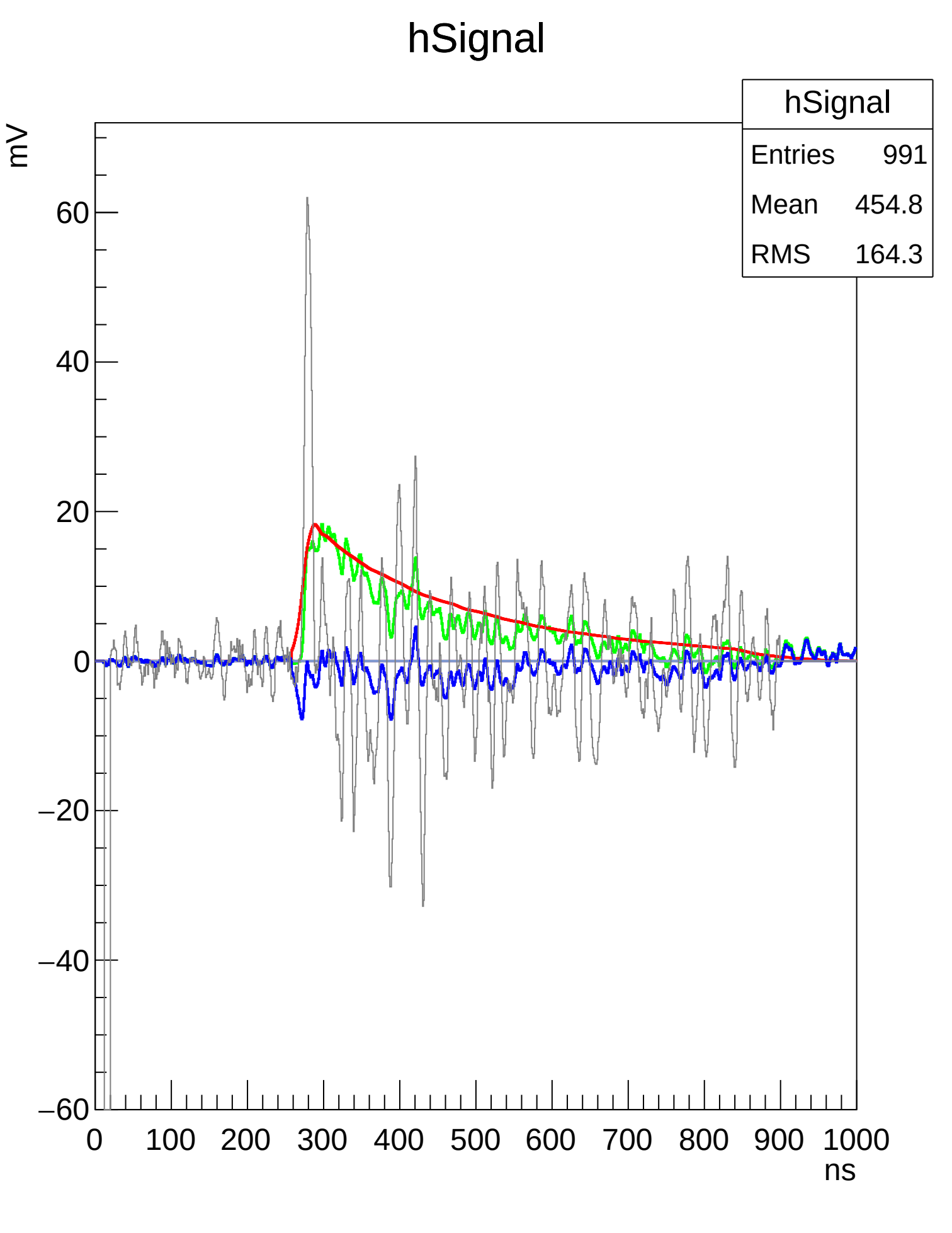
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 476.4
RMS 176
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 454.8
RMS 164.3
mV
60
40
20
0
−20
−40
−60
0
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200
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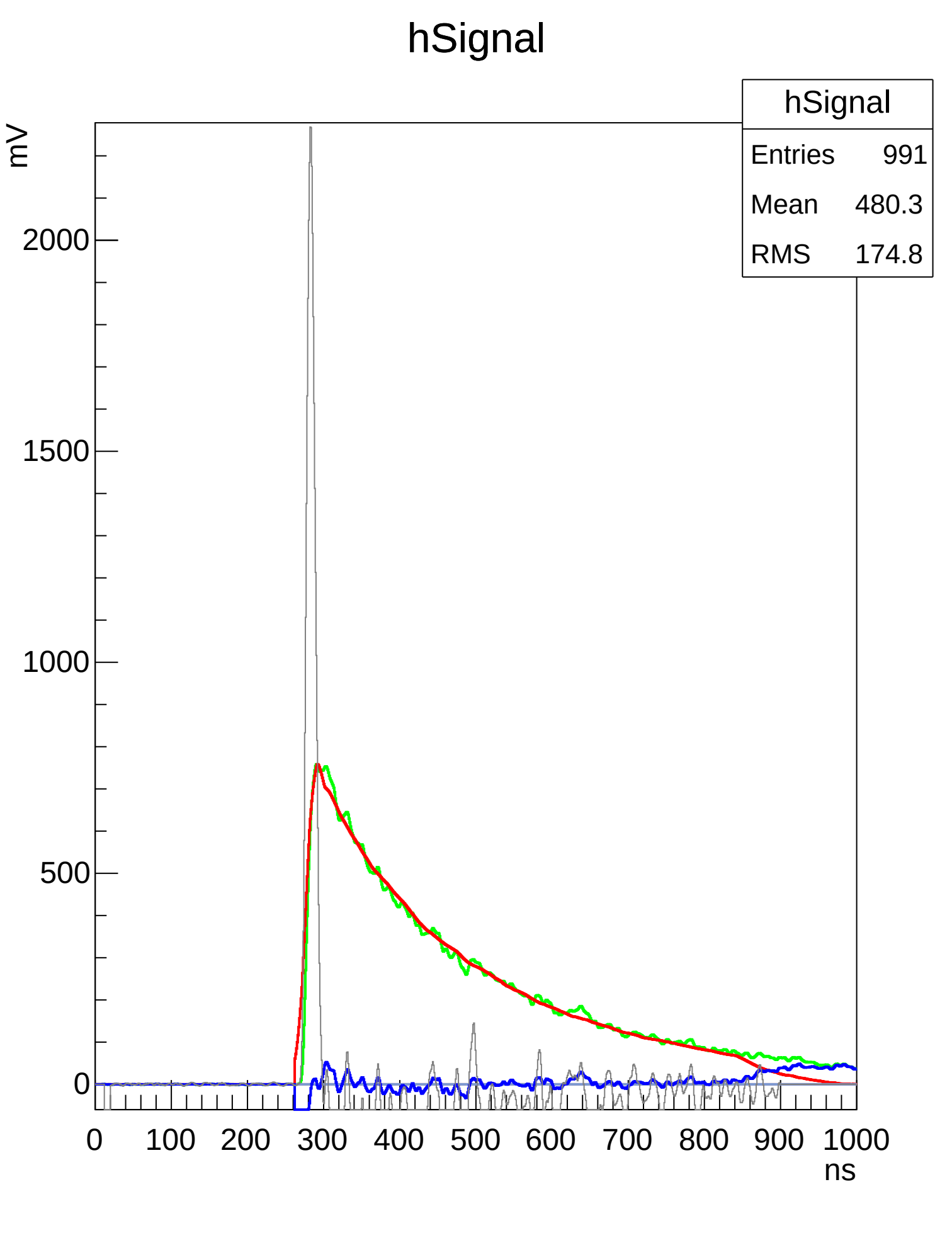
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.3
RMS 174.8
mV
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1500
1000
500
0
0
100
200
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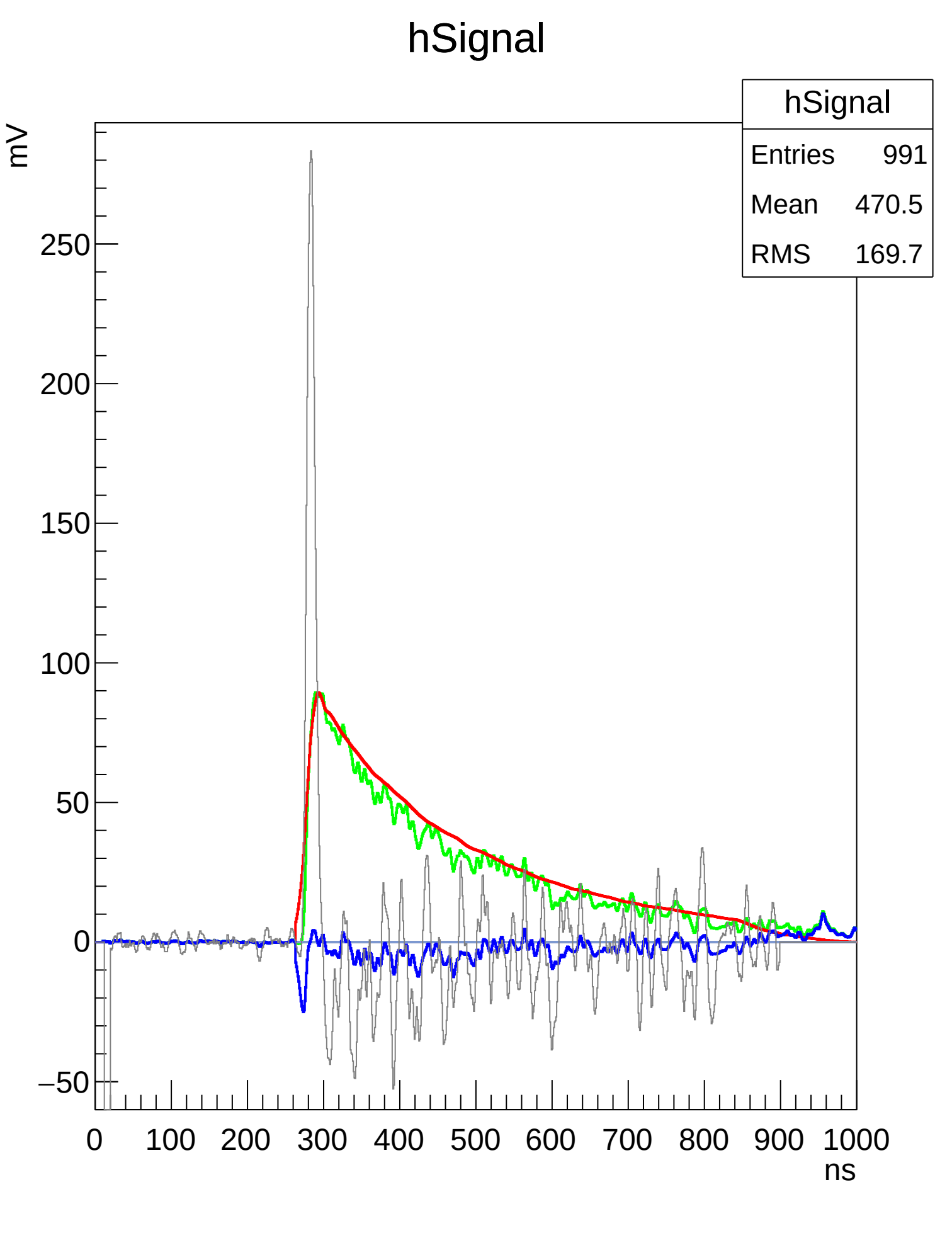
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 470.5
RMS 169.7
mV
250
200
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100
50
0
−50
0
100
200
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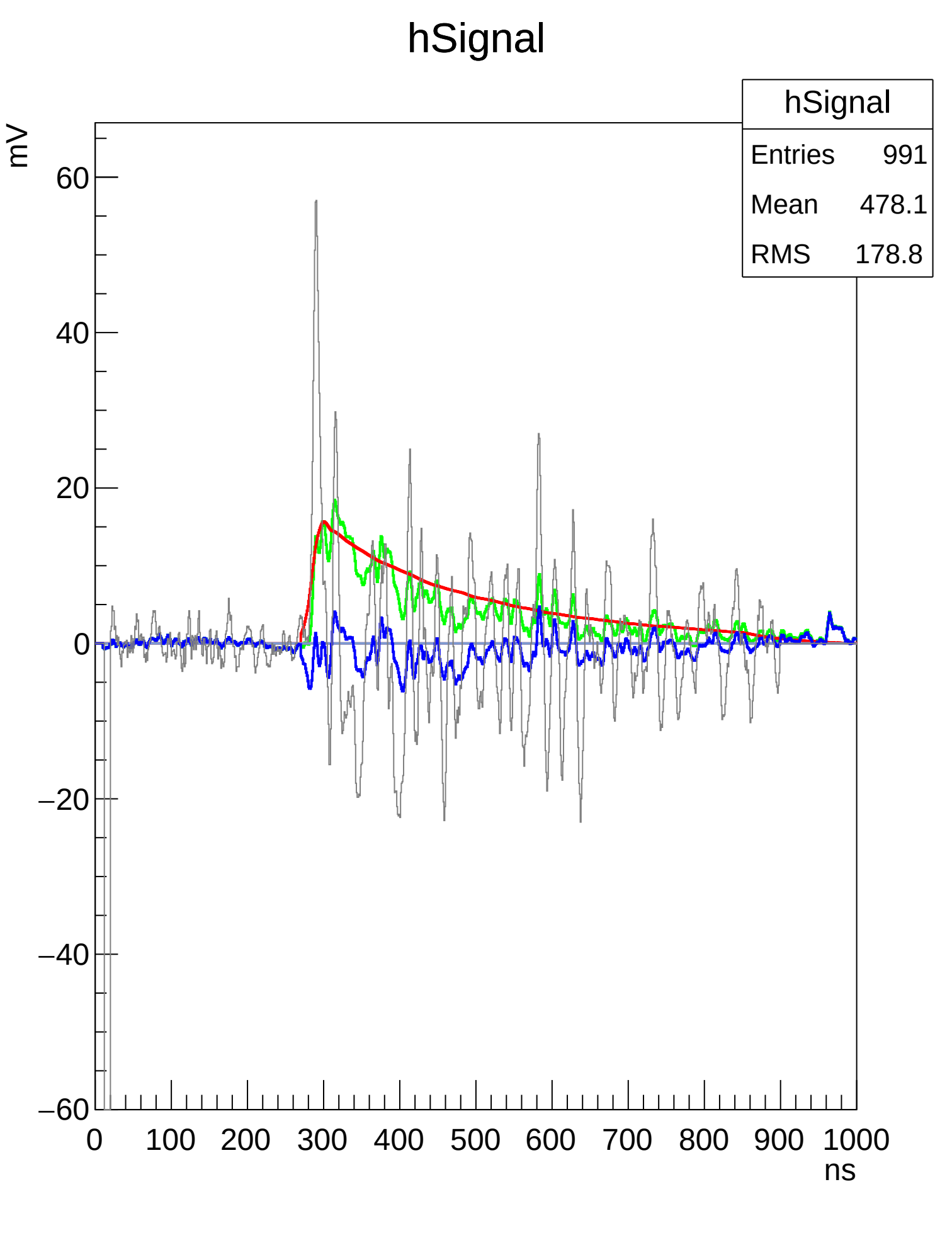
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 478.1
RMS 178.8
mV
60
40
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0
−20
−40
−60
0
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200
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400
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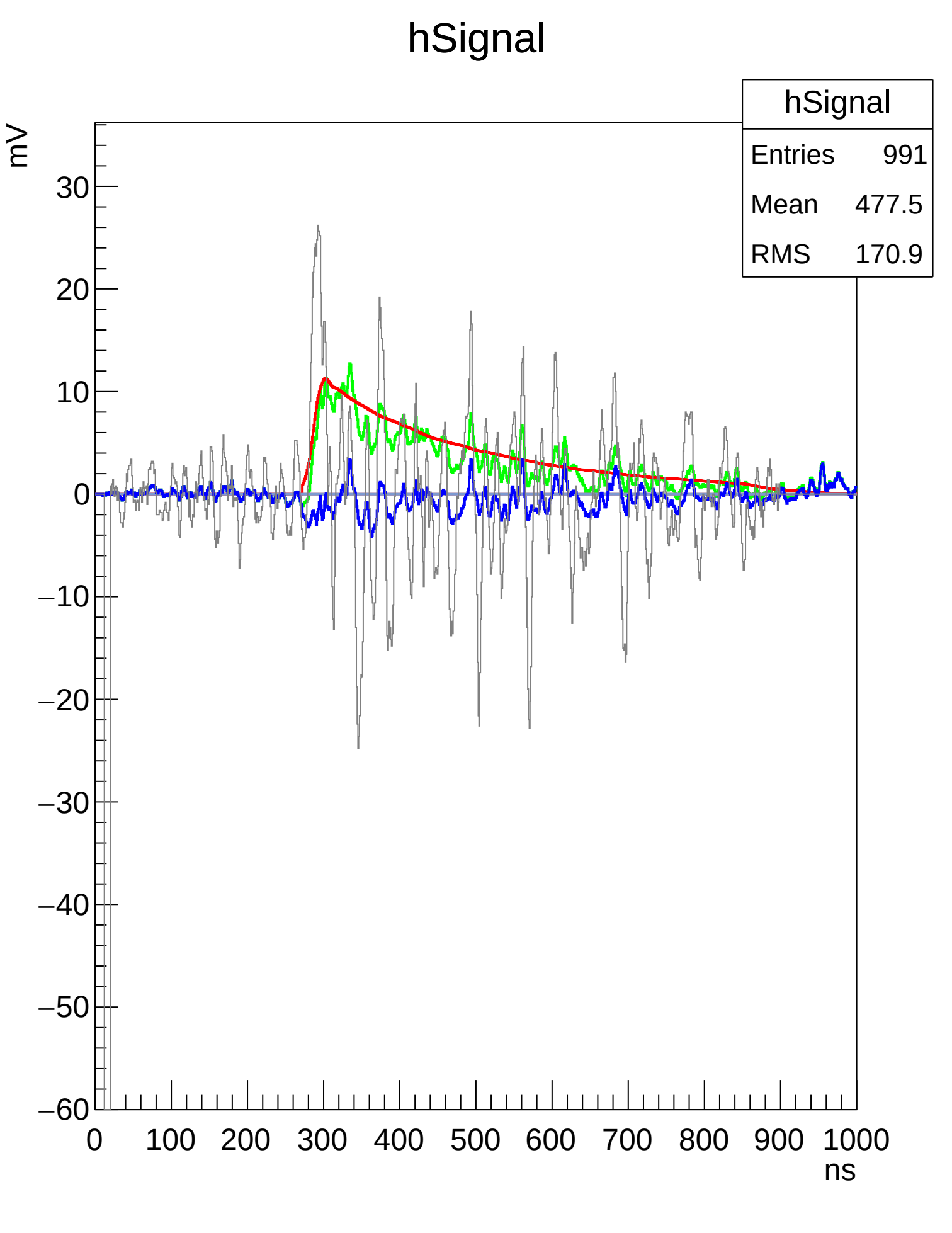
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 477.5
RMS 170.9
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
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400
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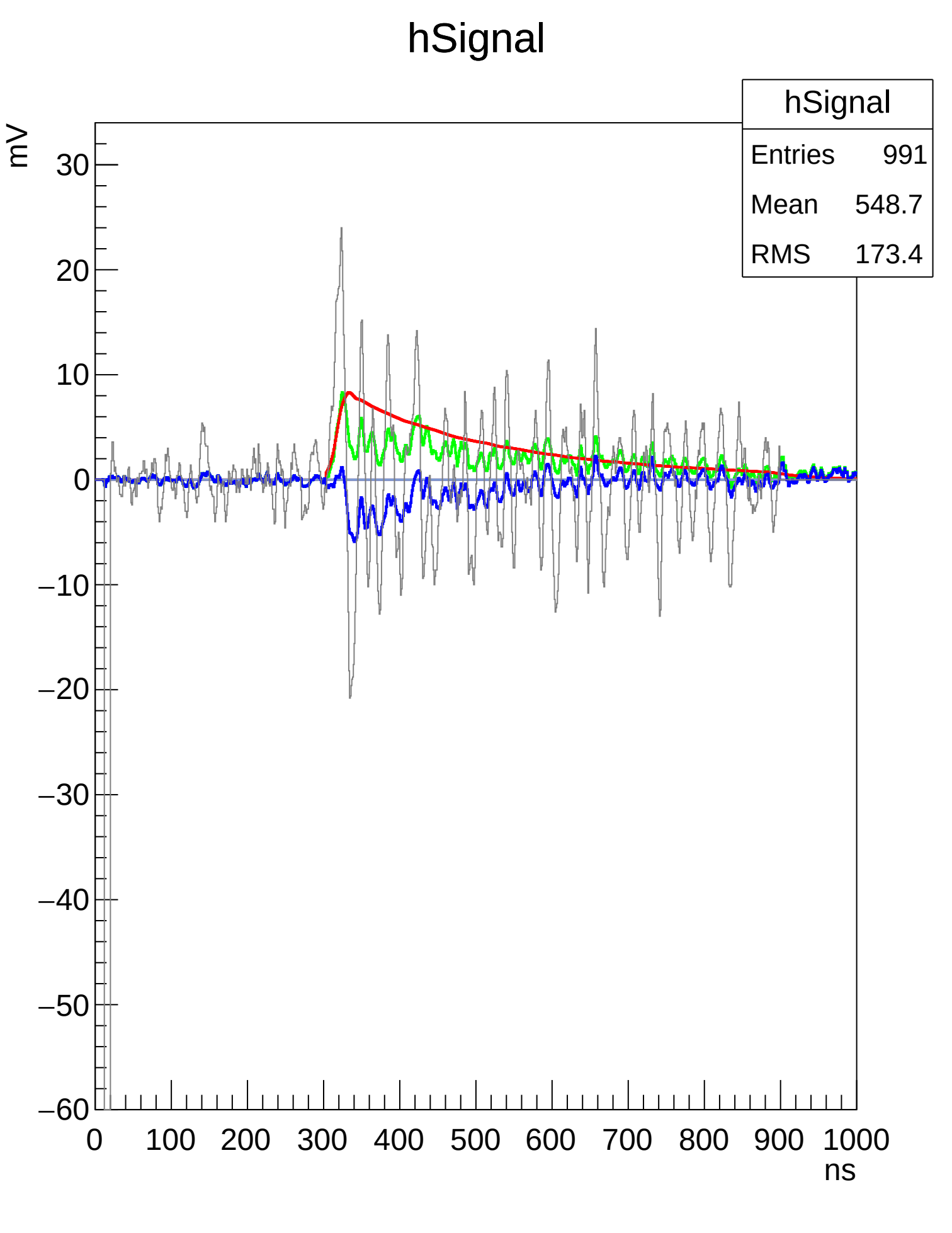
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.7
RMS 173.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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1000
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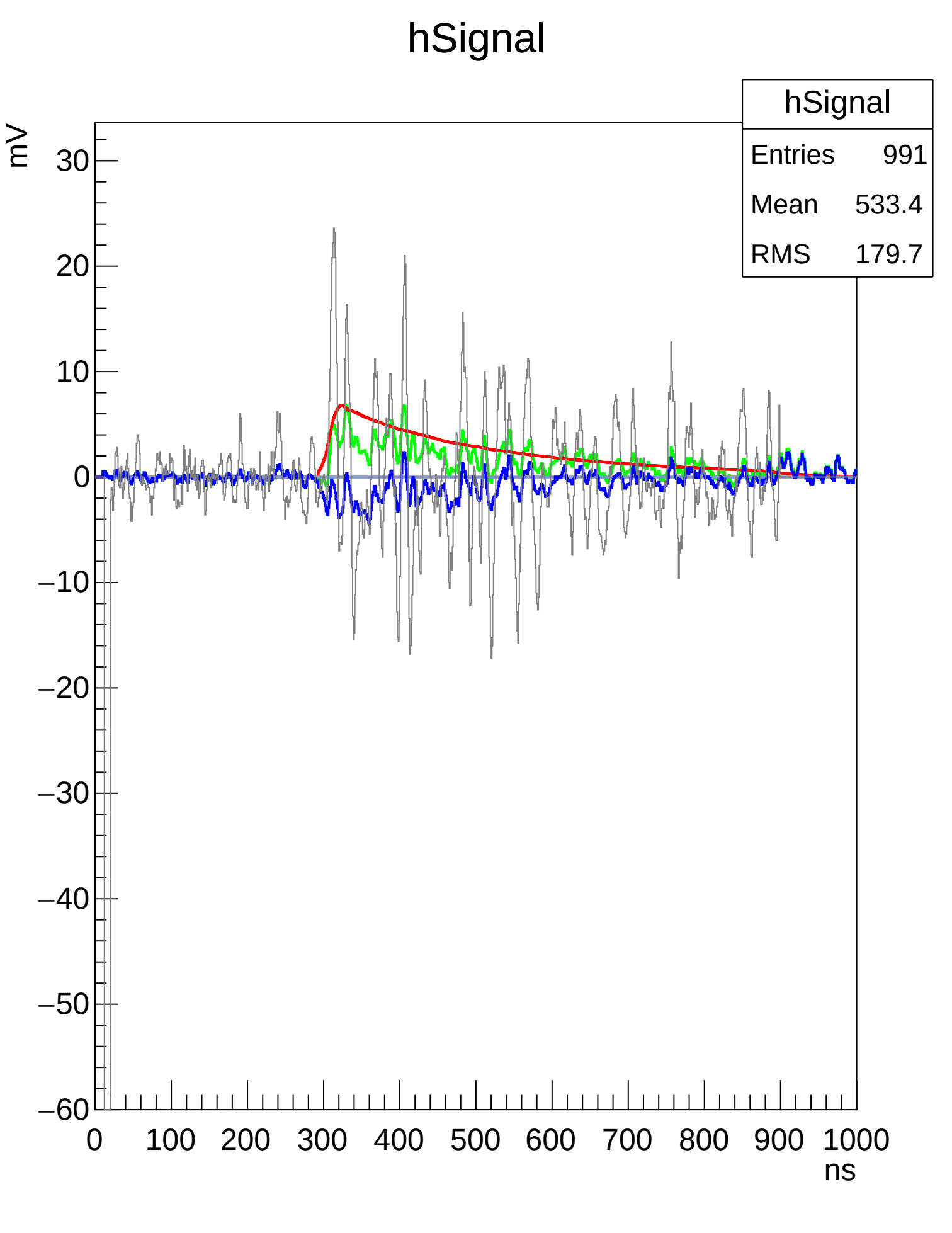
hSignal
hSignal
Entries 991
Mean 533.4
RMS 179.7
mV
30
20
10
0
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−20
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−40
−50
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0
100
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600
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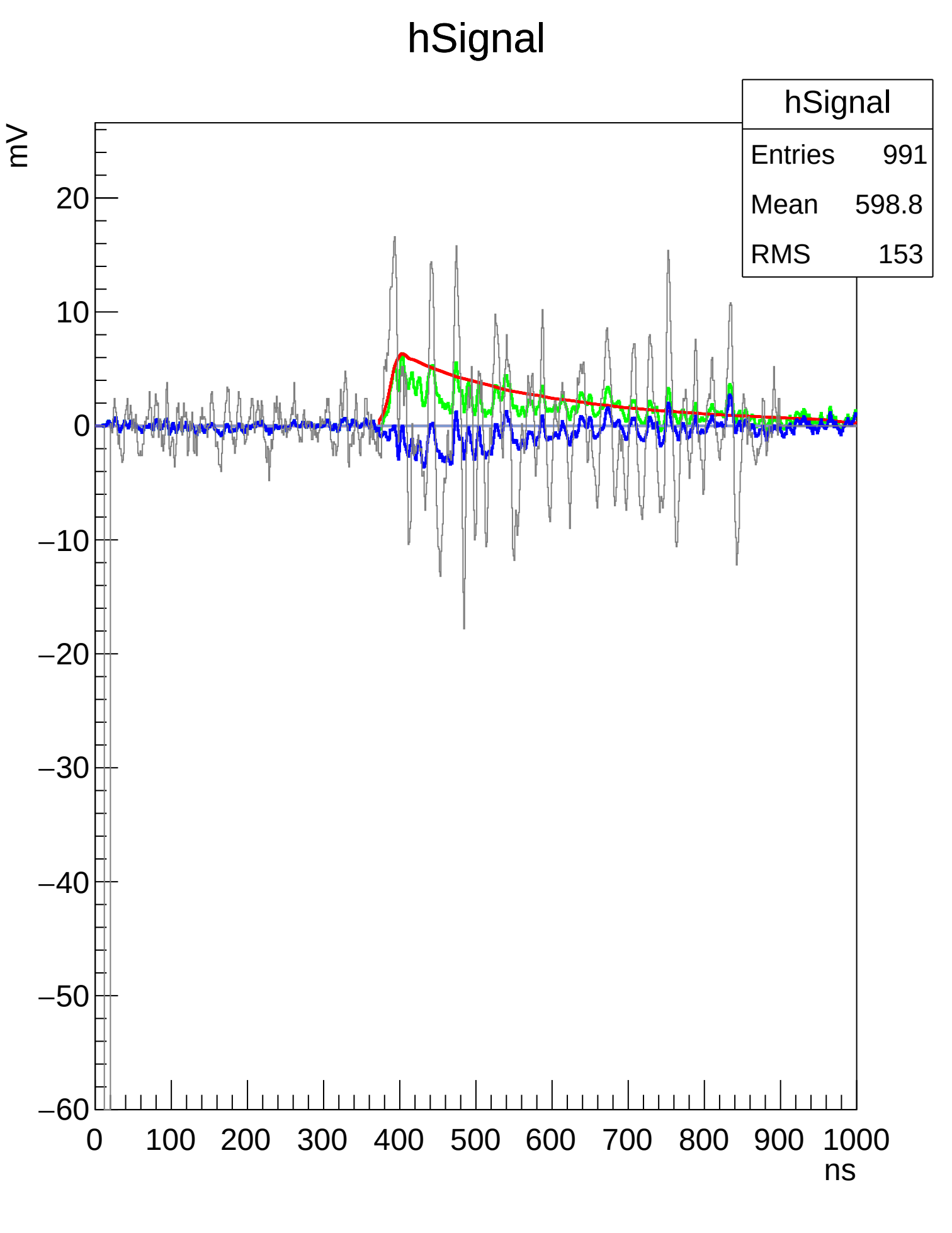
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.8
RMS 153
mV
20
10
0
−10
−20
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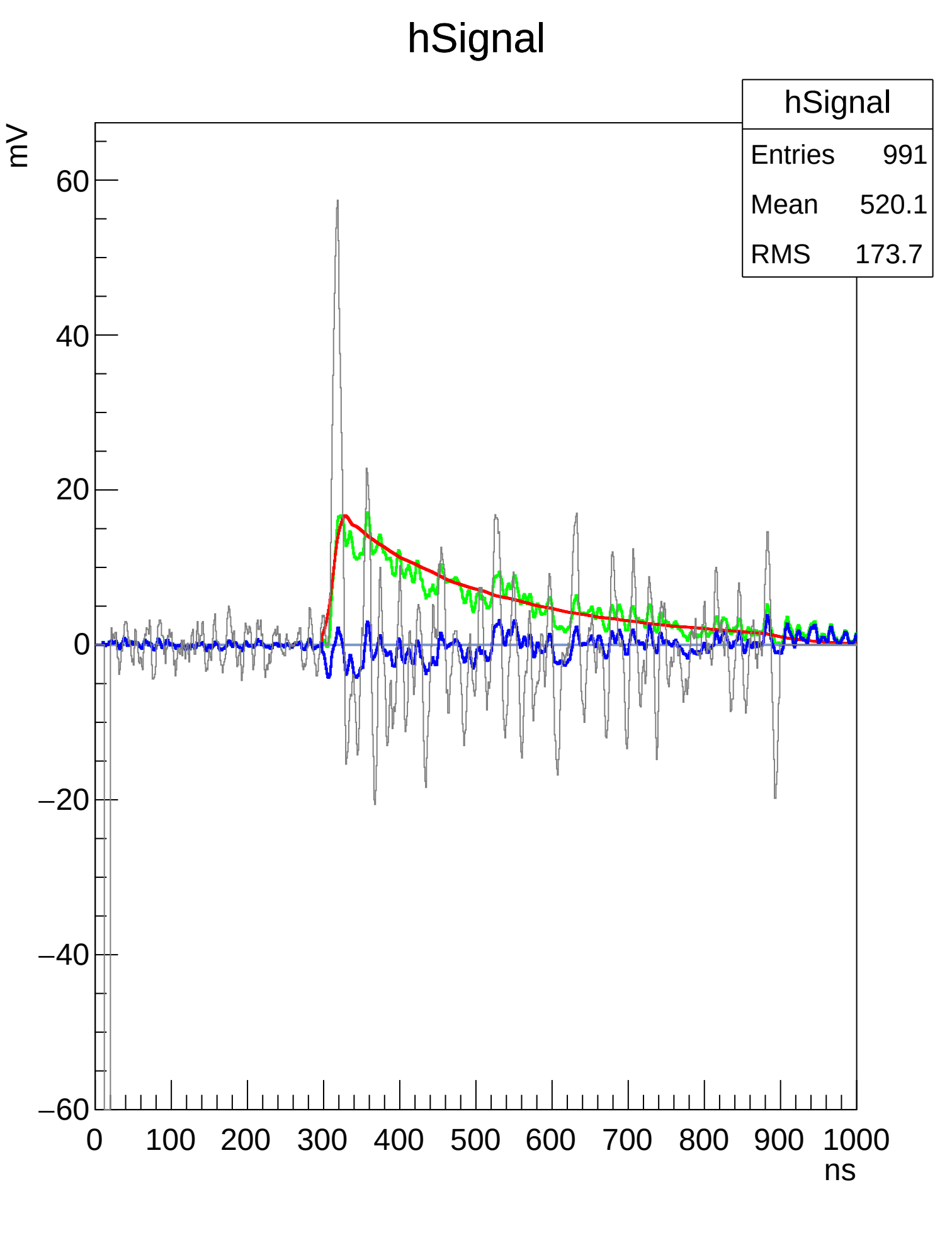
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.1
RMS 173.7
mV
60
40
20
0
−20
−40
−60
0
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600
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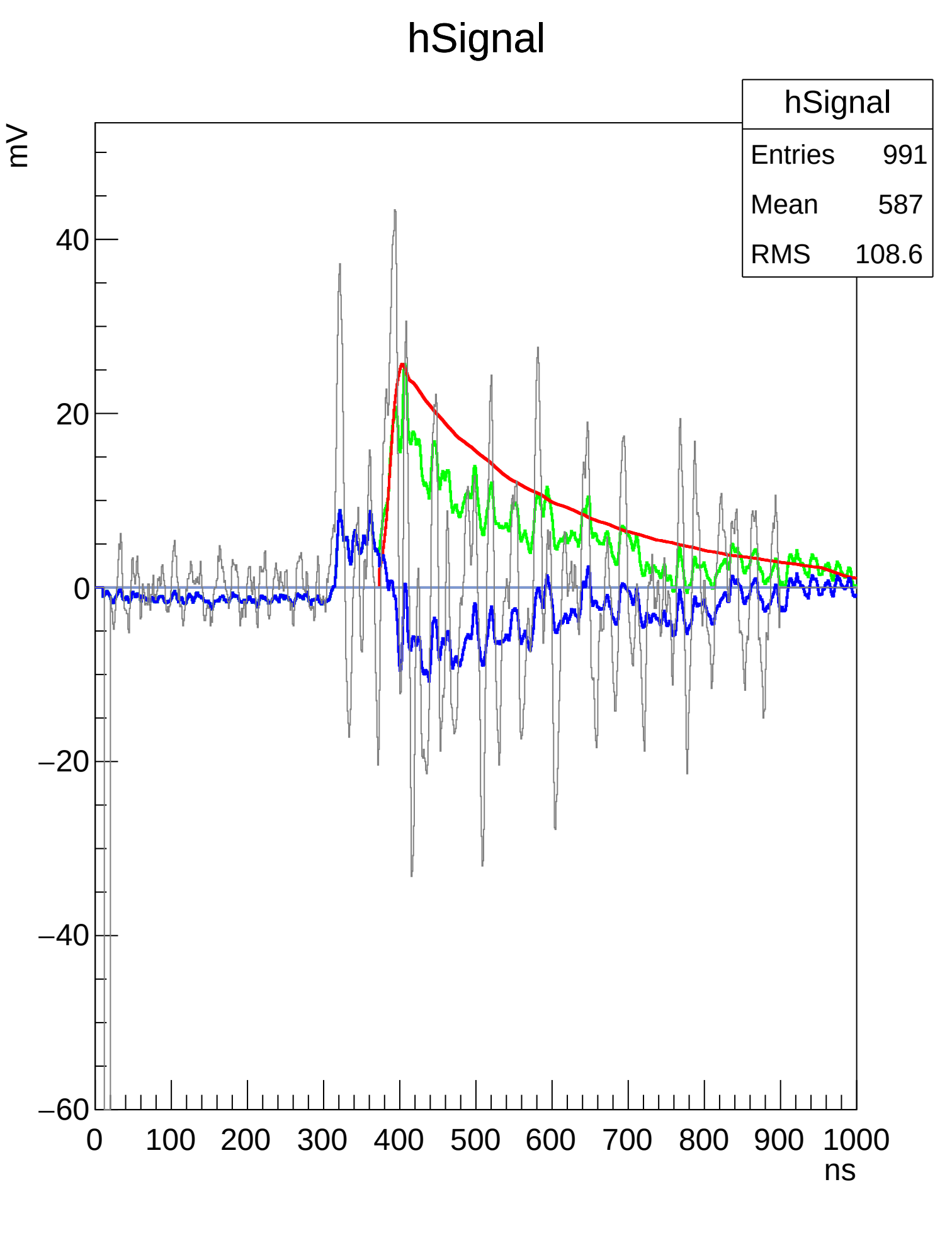
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 587
RMS 108.6
mV
40
20
0
−20
−40
−60
0
100
200
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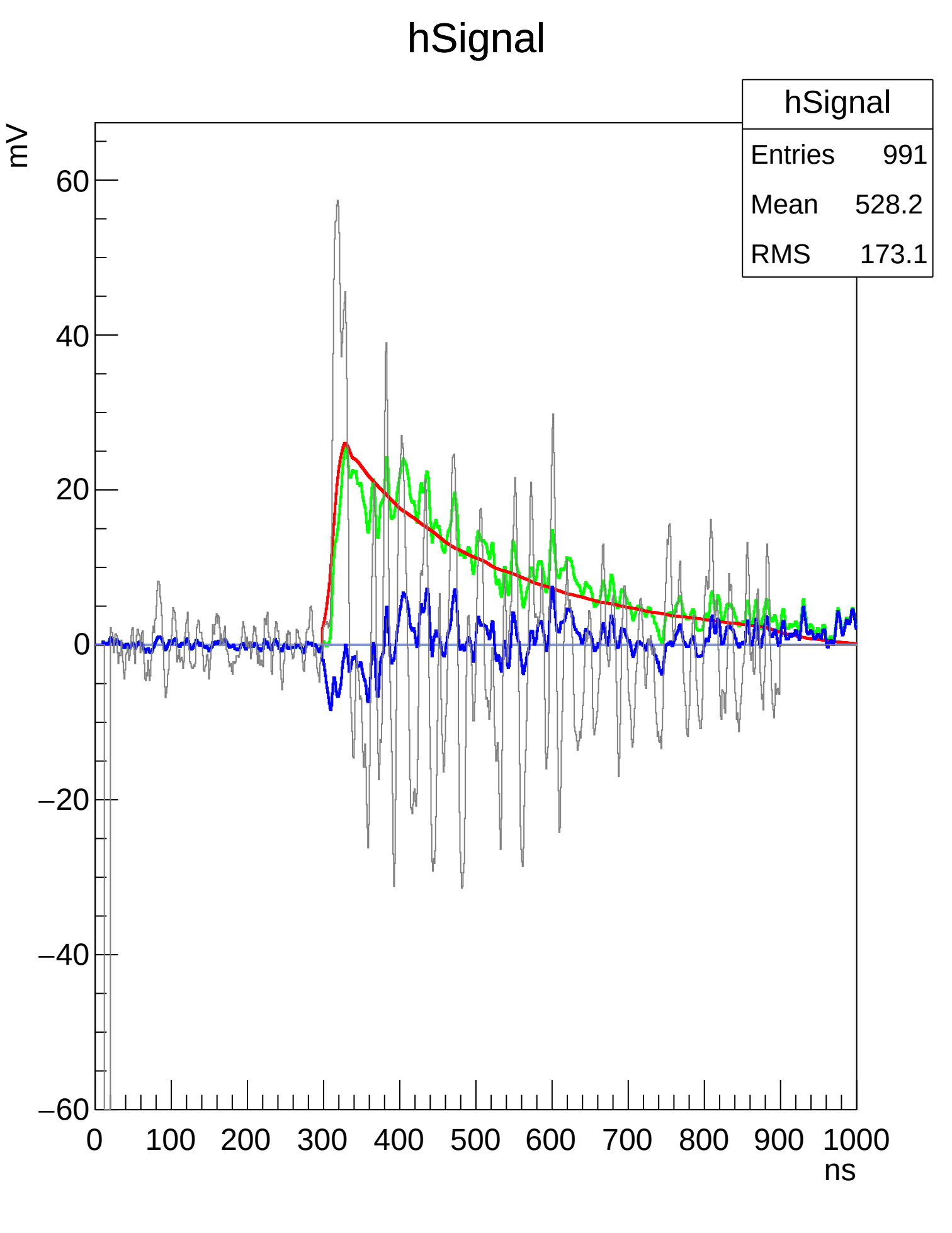
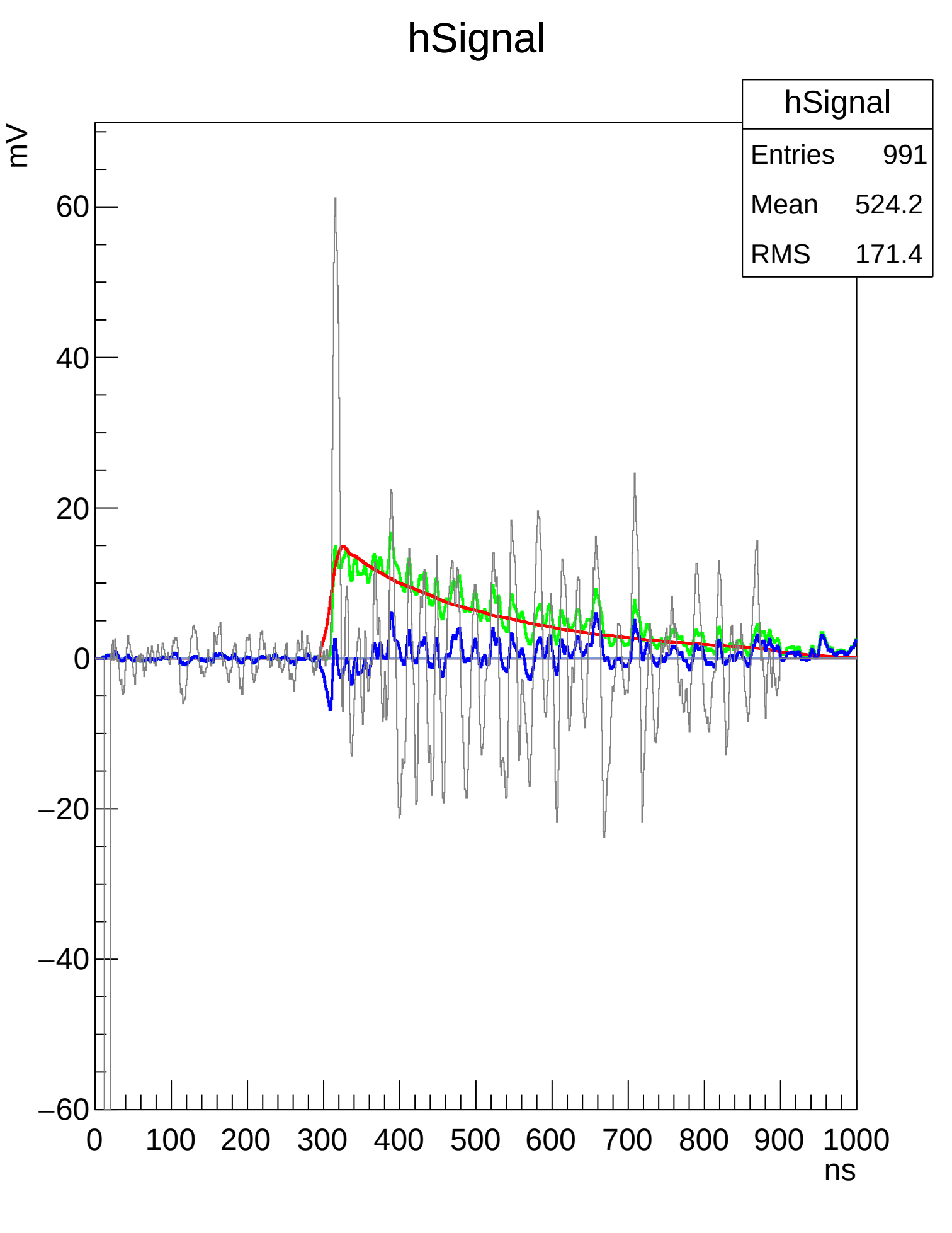
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.2
RMS 173.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.2
RMS 171.4
mV
60
40
20
0
−20
−40
−60
0
100
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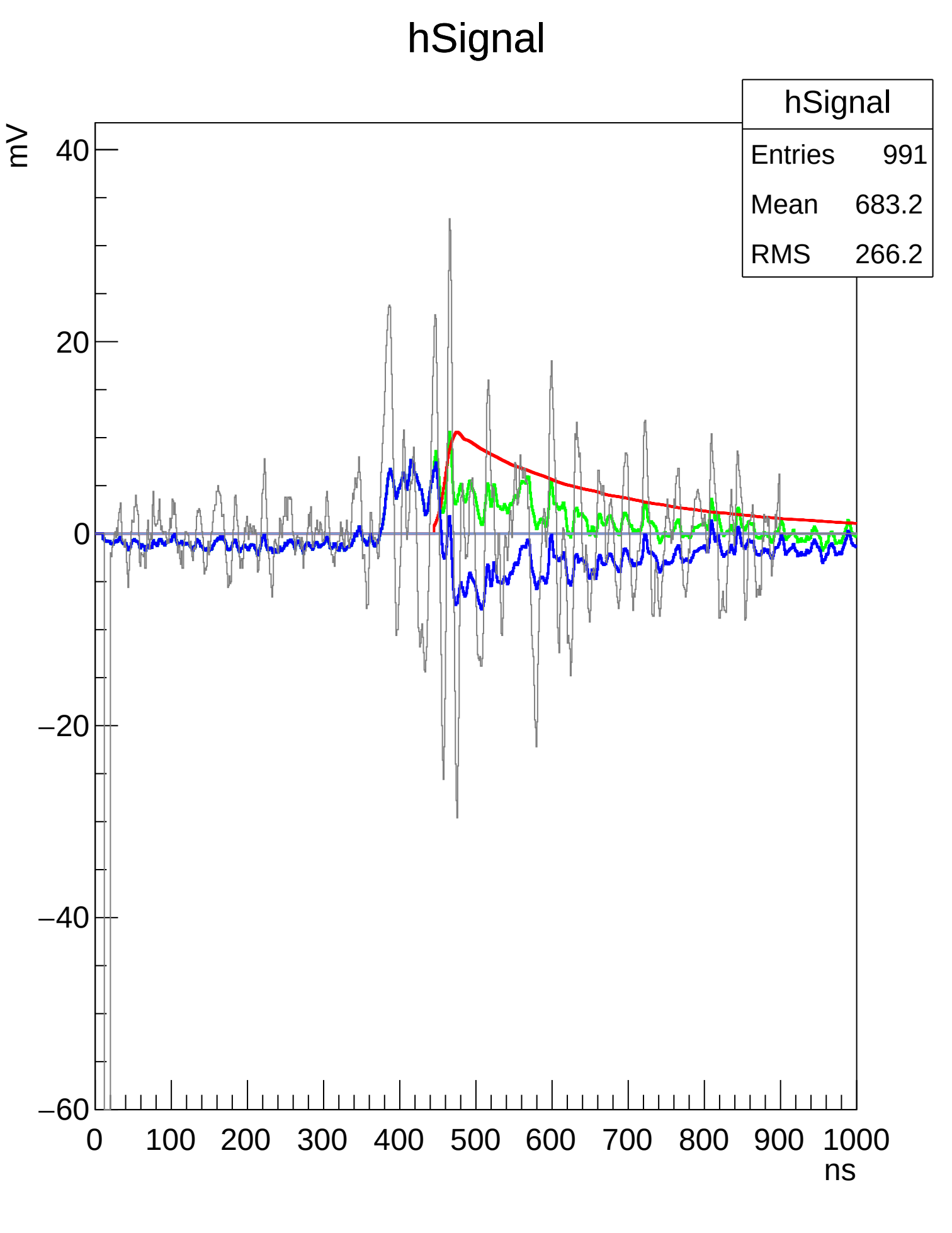
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 683.2
RMS 266.2
mV
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−20
−40
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0
100
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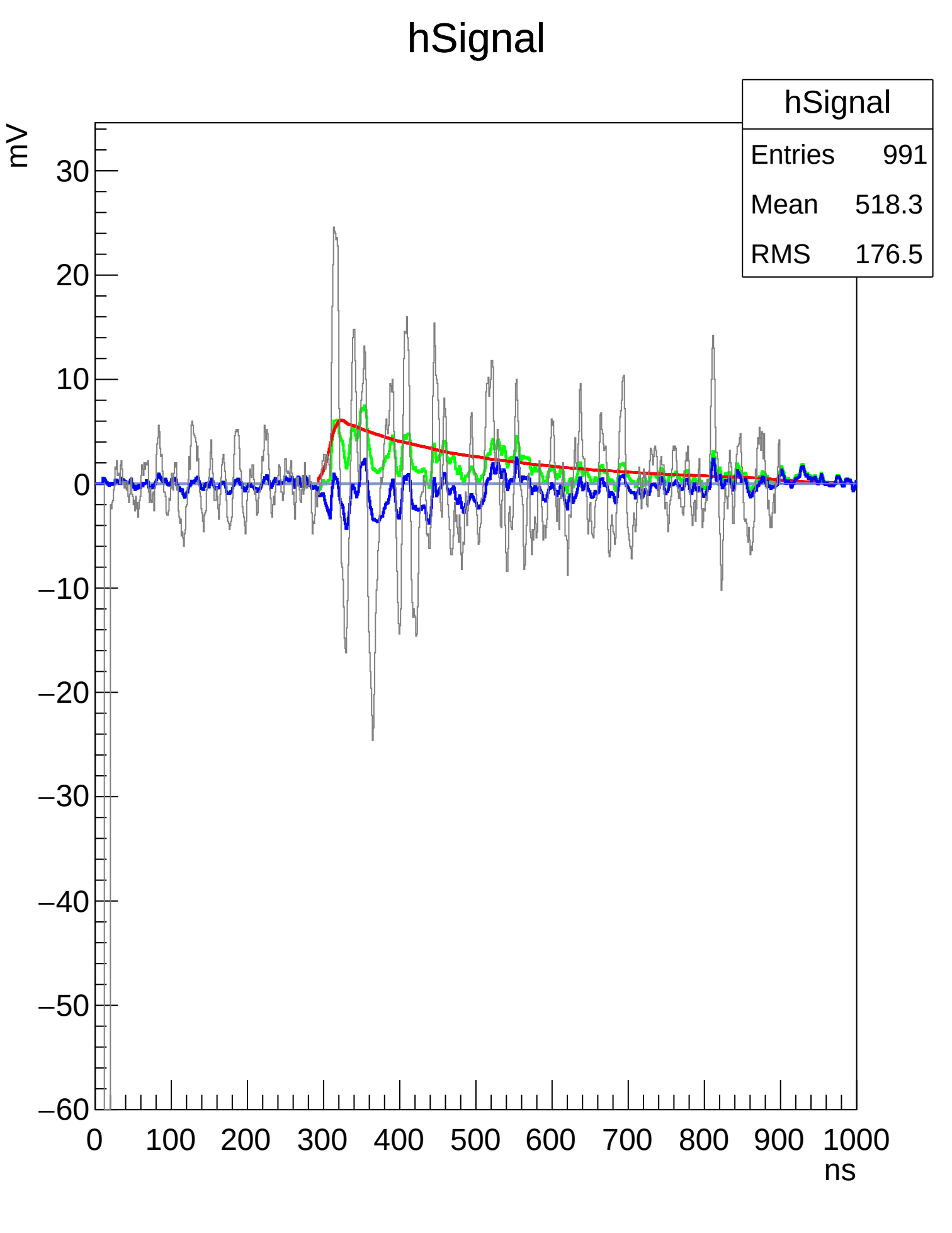
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.3
RMS 176.5
mV
30
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
500
600
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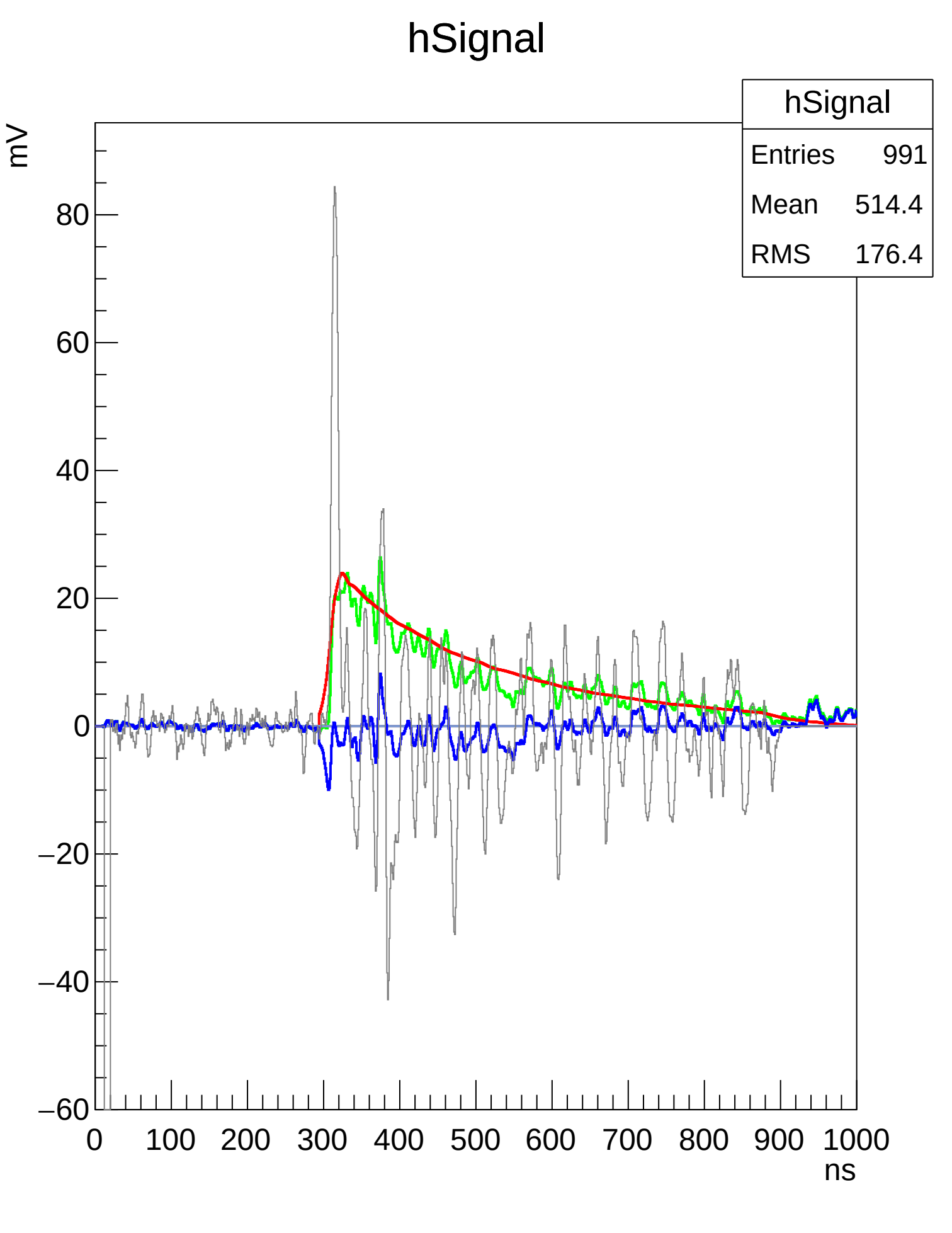
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.4
RMS 176.4
mV
80
60
40
20
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−20
−40
−60
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400
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600
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800
900
1000
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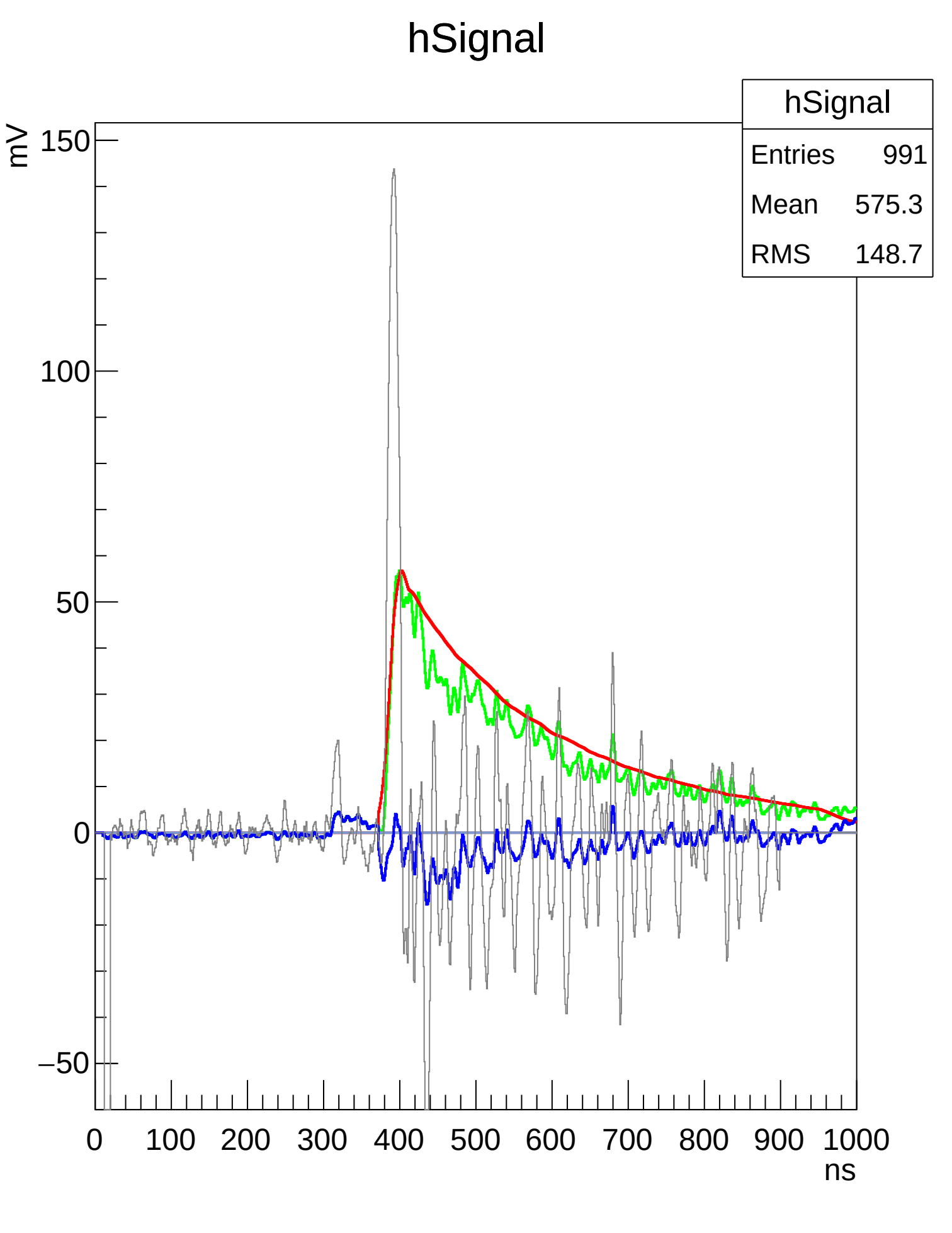
hSignal
hSignal
Entries 991
Mean 575.3
RMS 148.7
mV
150
100
50
0
−50
0
100
200
300
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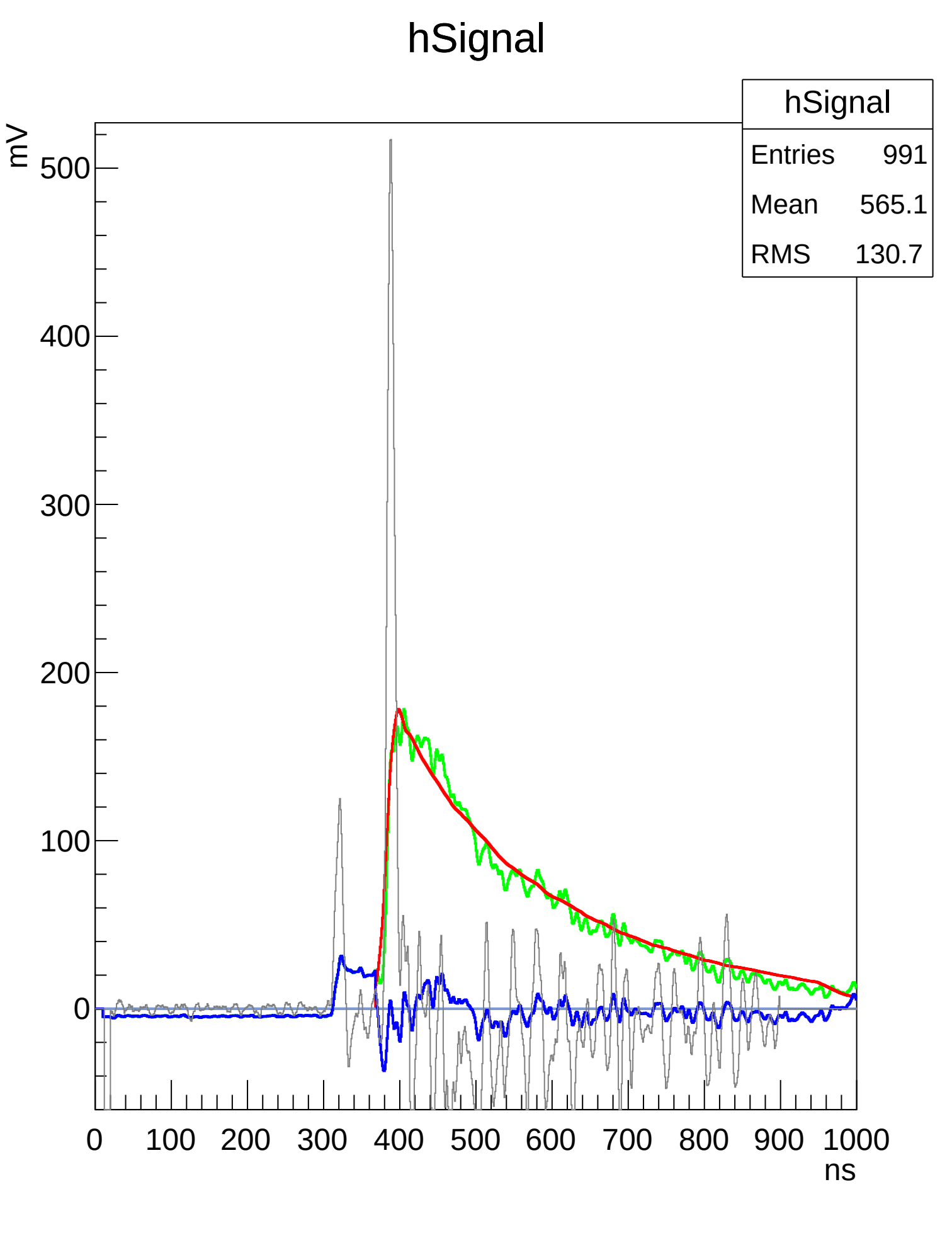
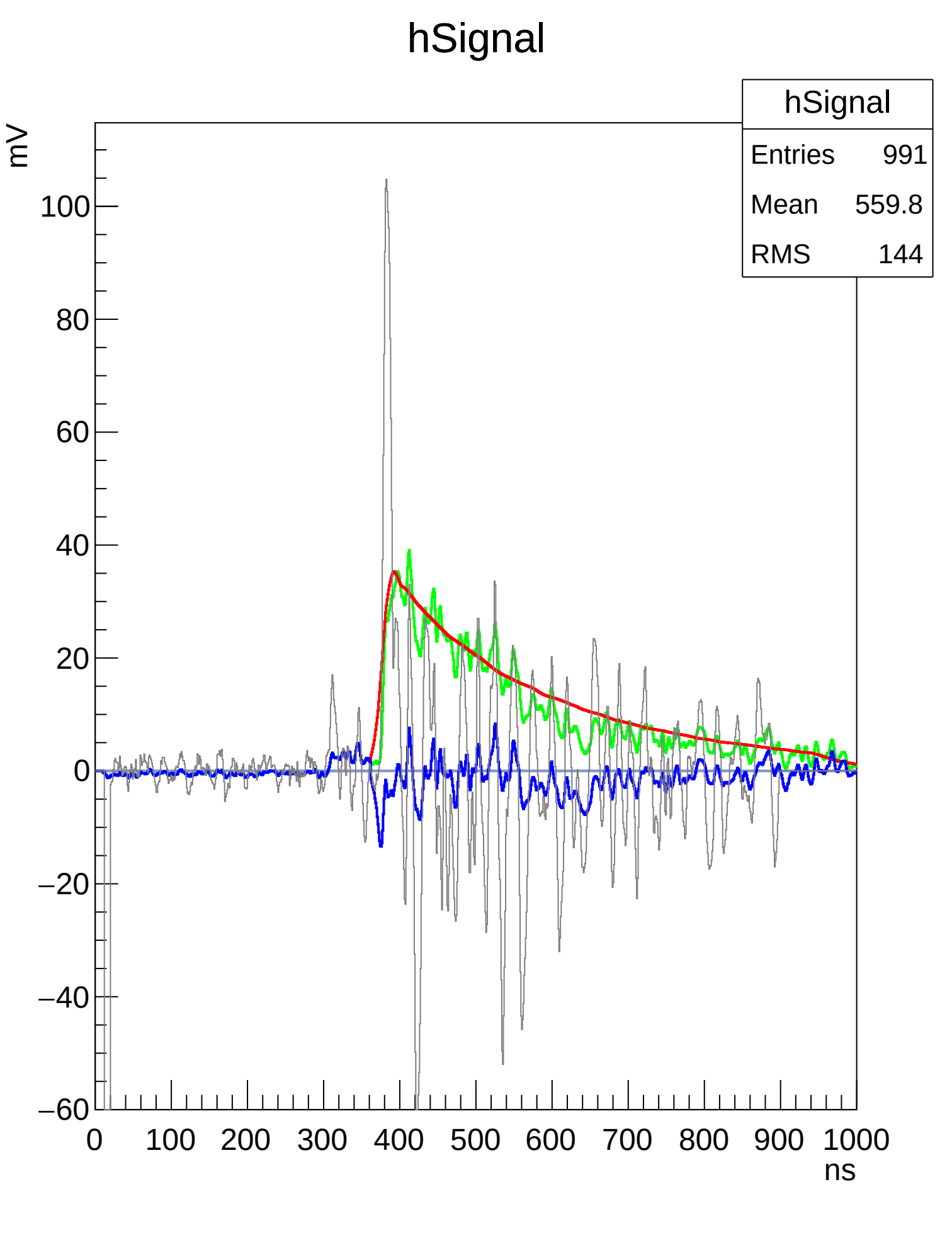
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.1
RMS 130.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.8
RMS 144
mV
100
80
60
40
20
0
−20
−40
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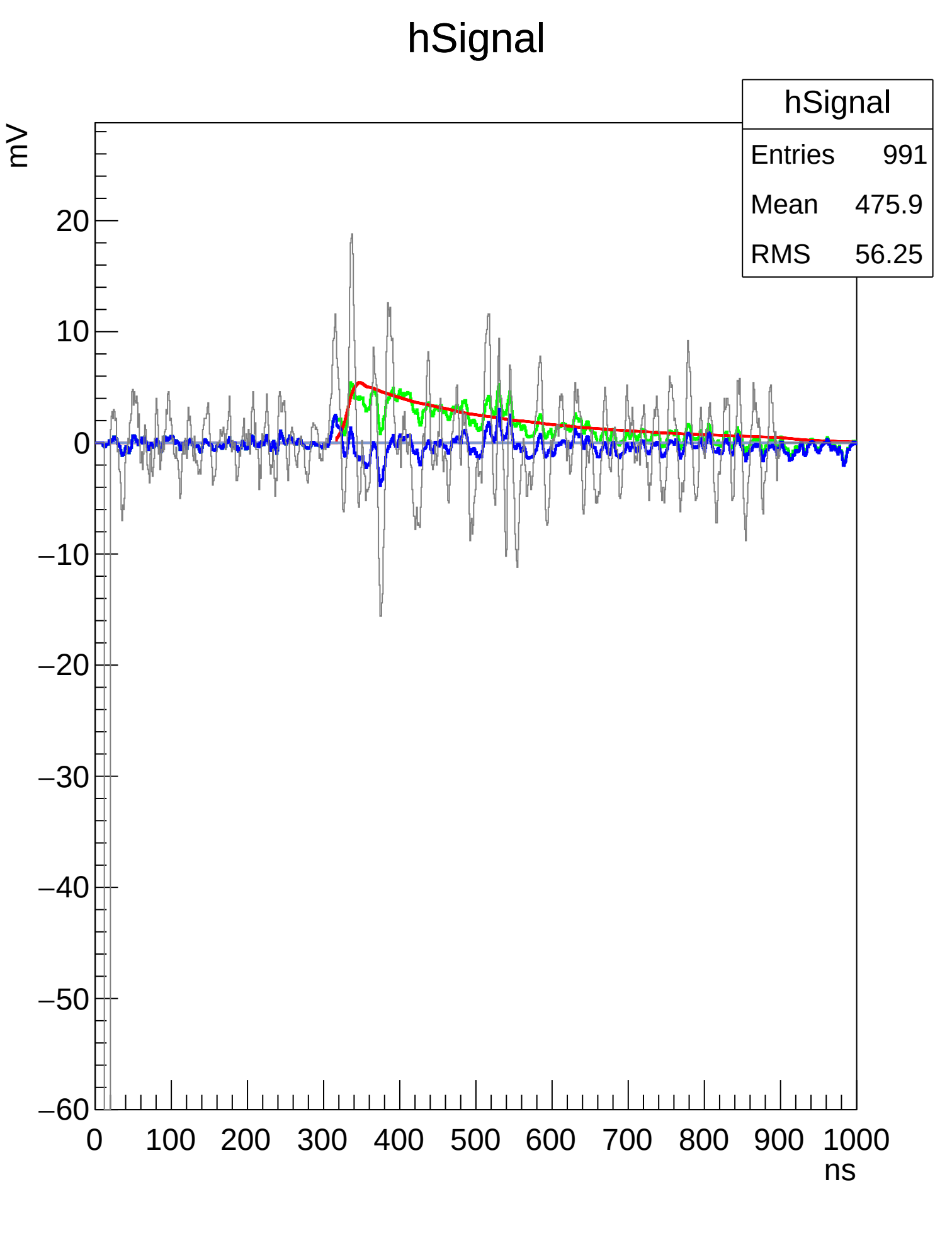
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 475.9
RMS 56.25
mV
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10
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−40
−50
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0
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400
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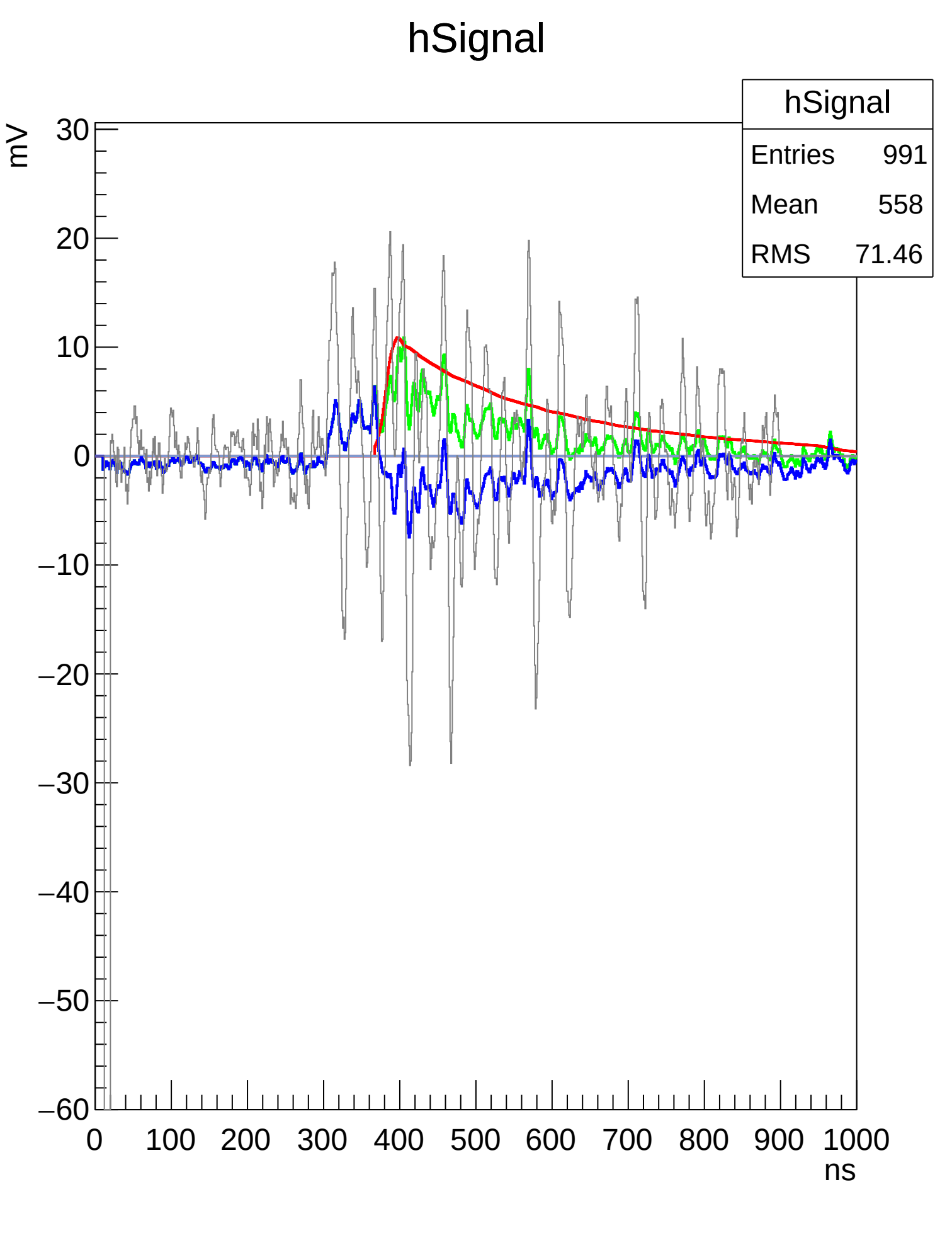
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558
RMS 71.46
mV
30
20
10
0
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−40
−50
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0
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400
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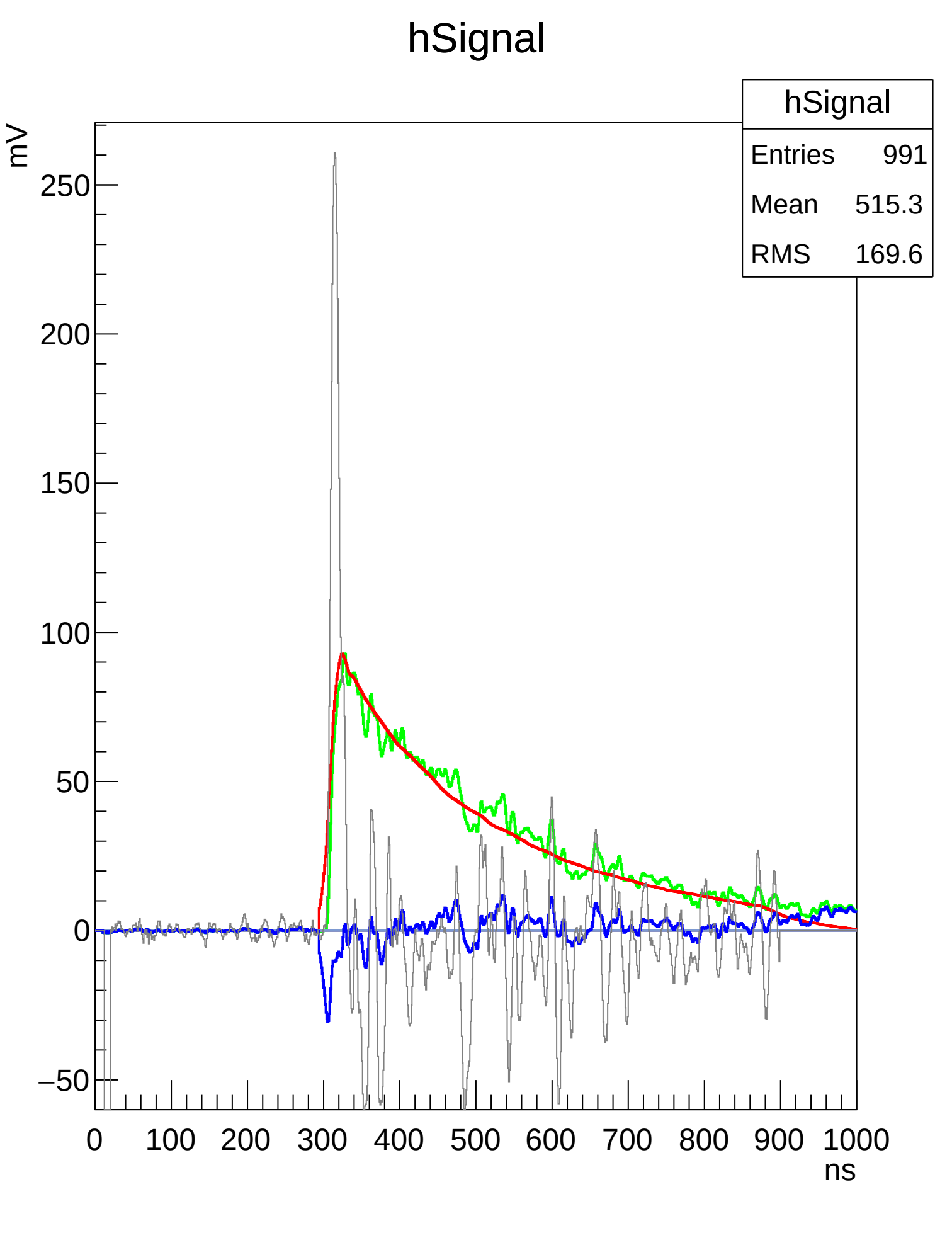
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 515.3
RMS 169.6
mV
250
200
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100
50
0
−50
0
100
200
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400
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600
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800
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1000
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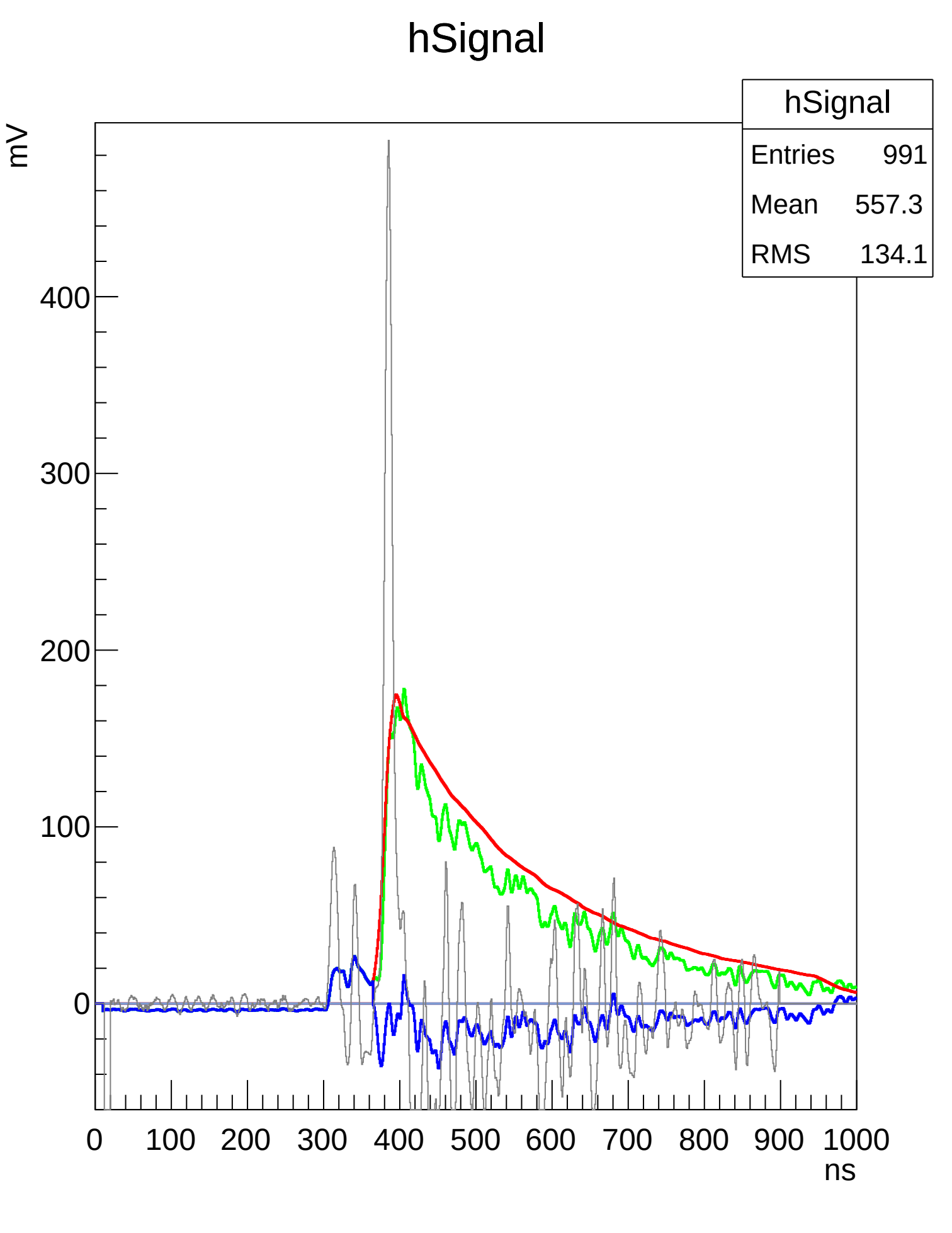
hSignal
hSignal
Entries 991
Mean 557.3
RMS 134.1
mV
400
300
200
100
0
0
100
200
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400
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800
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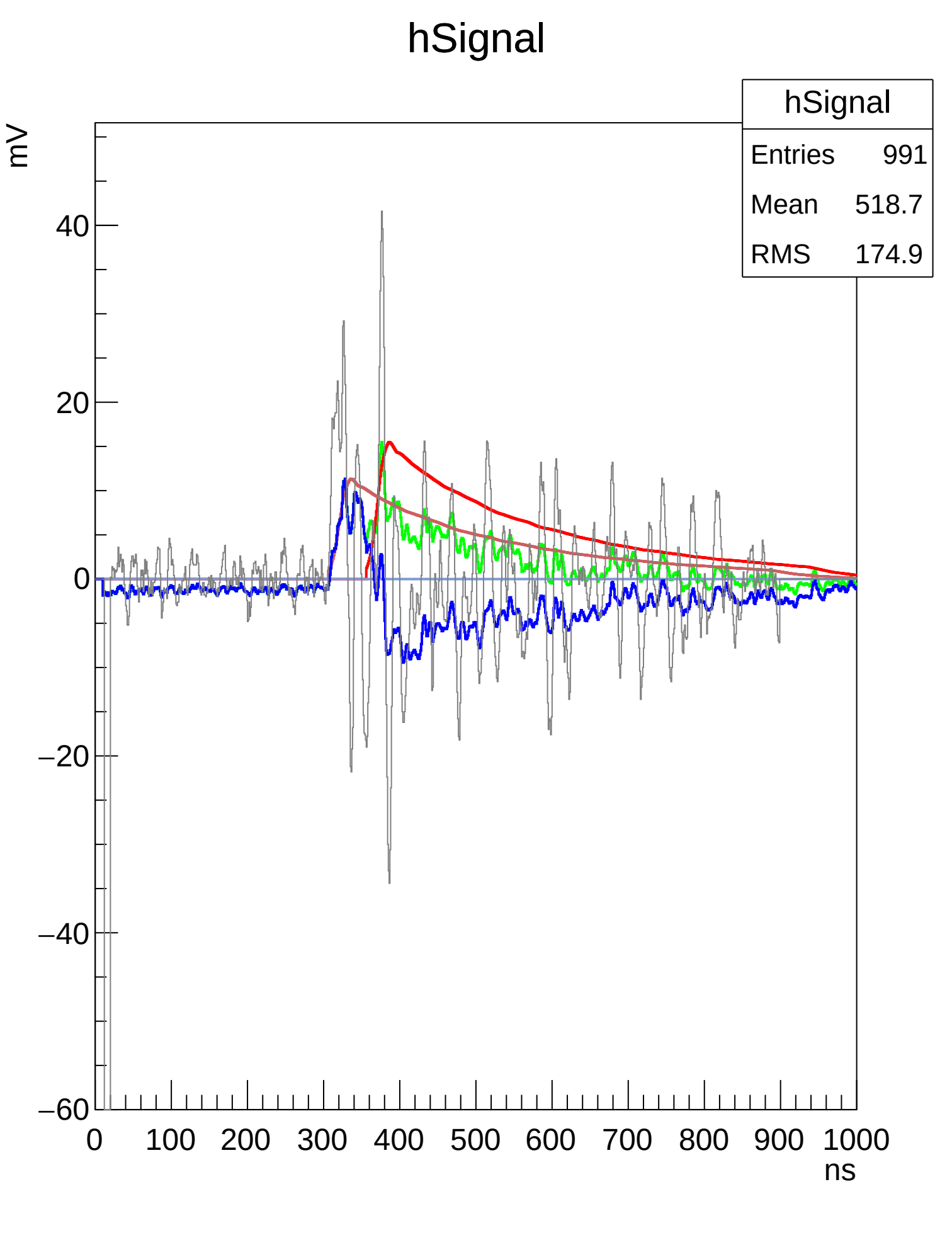
1000
ns


hSignal
hSignal
Entries 991
Mean 518.7
RMS 174.9
mV
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−20
−40
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0
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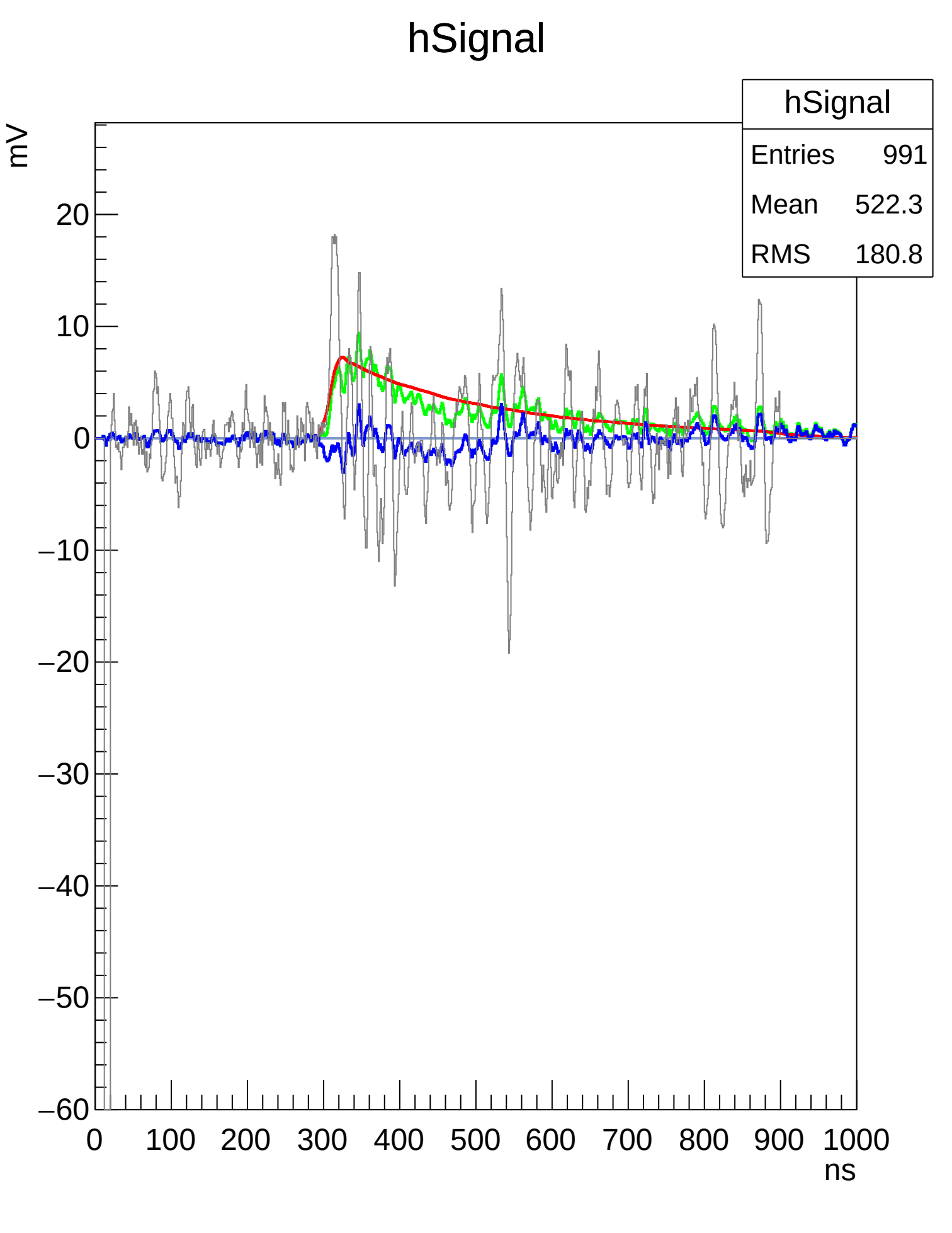
hSignal
hSignal
Entries 991
Mean 522.3
RMS 180.8
mV
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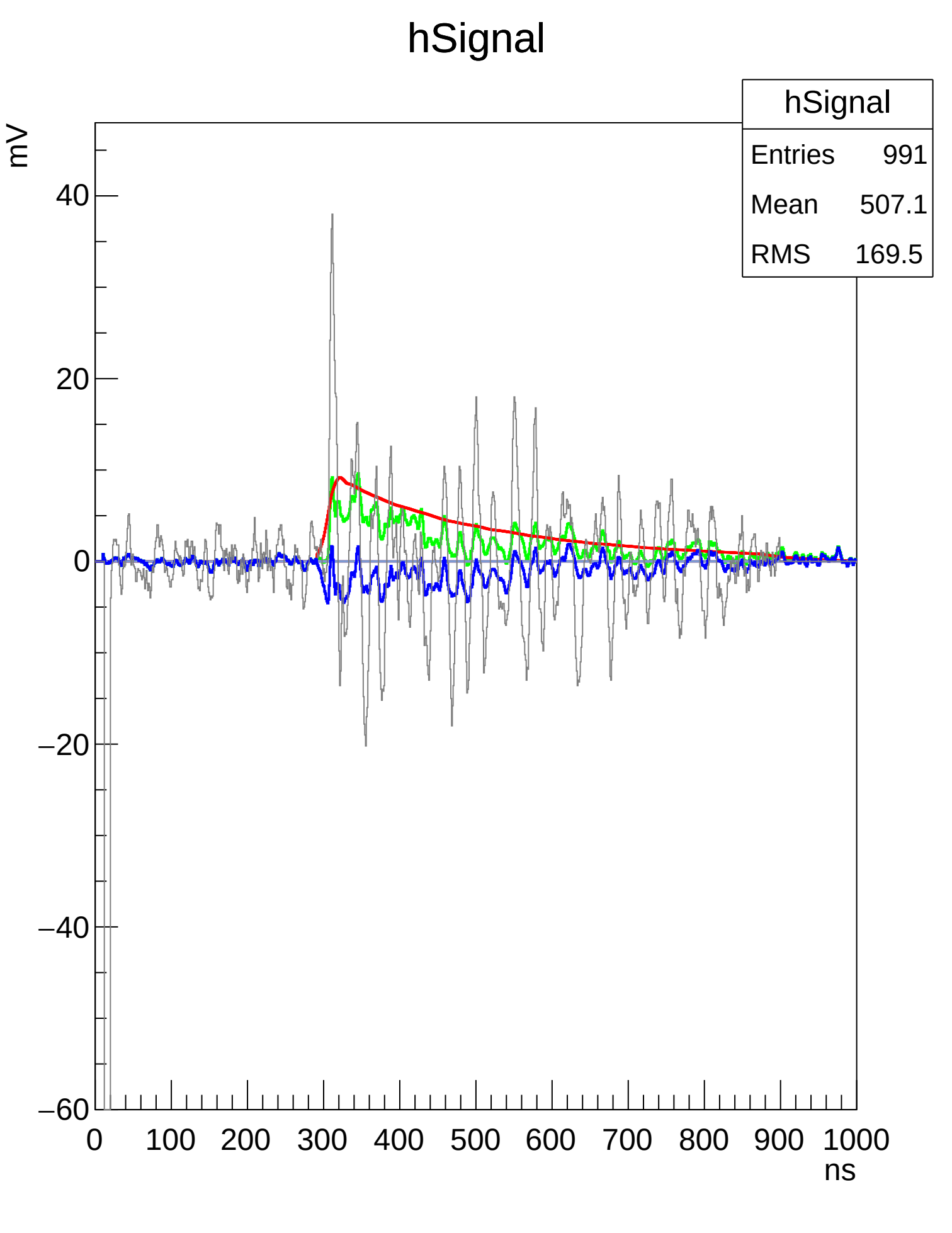
hSignal
hSignal
Entries 991
Mean 507.1
RMS 169.5
mV
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−20
−40
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0
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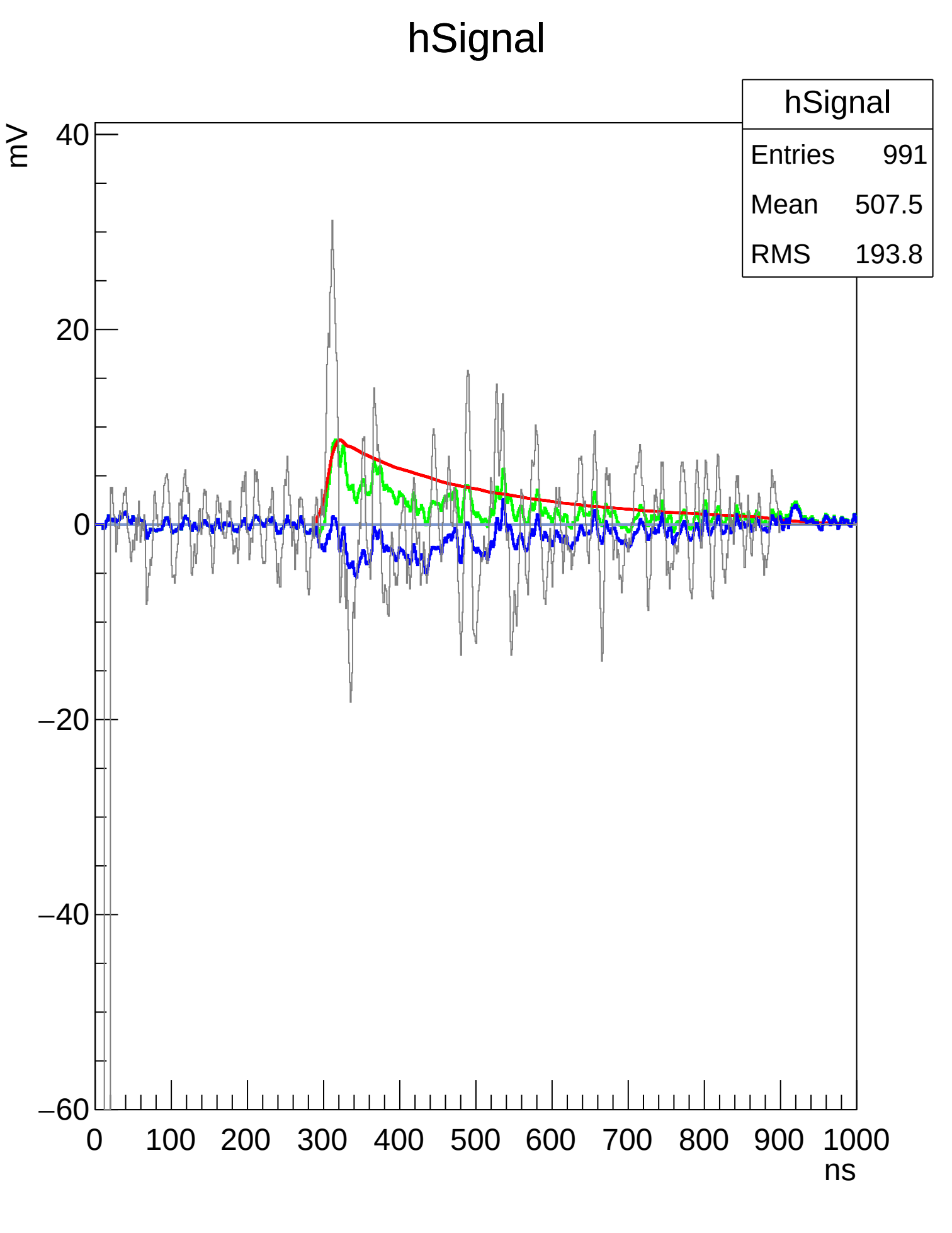
hSignal
hSignal
Entries 991
Mean 507.5
RMS 193.8
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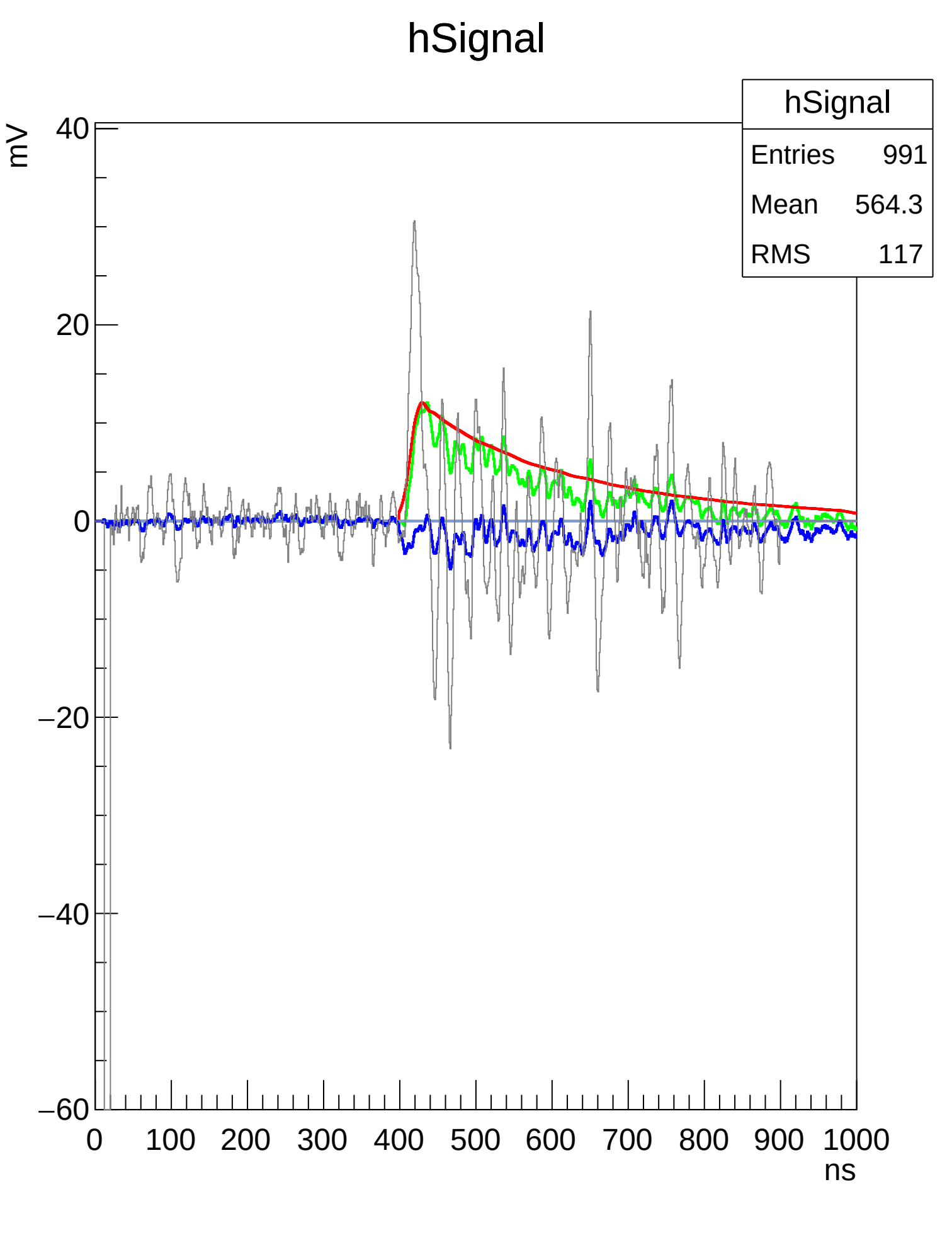
hSignal
hSignal
Entries 991
Mean 564.3
RMS 117
mV
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1000
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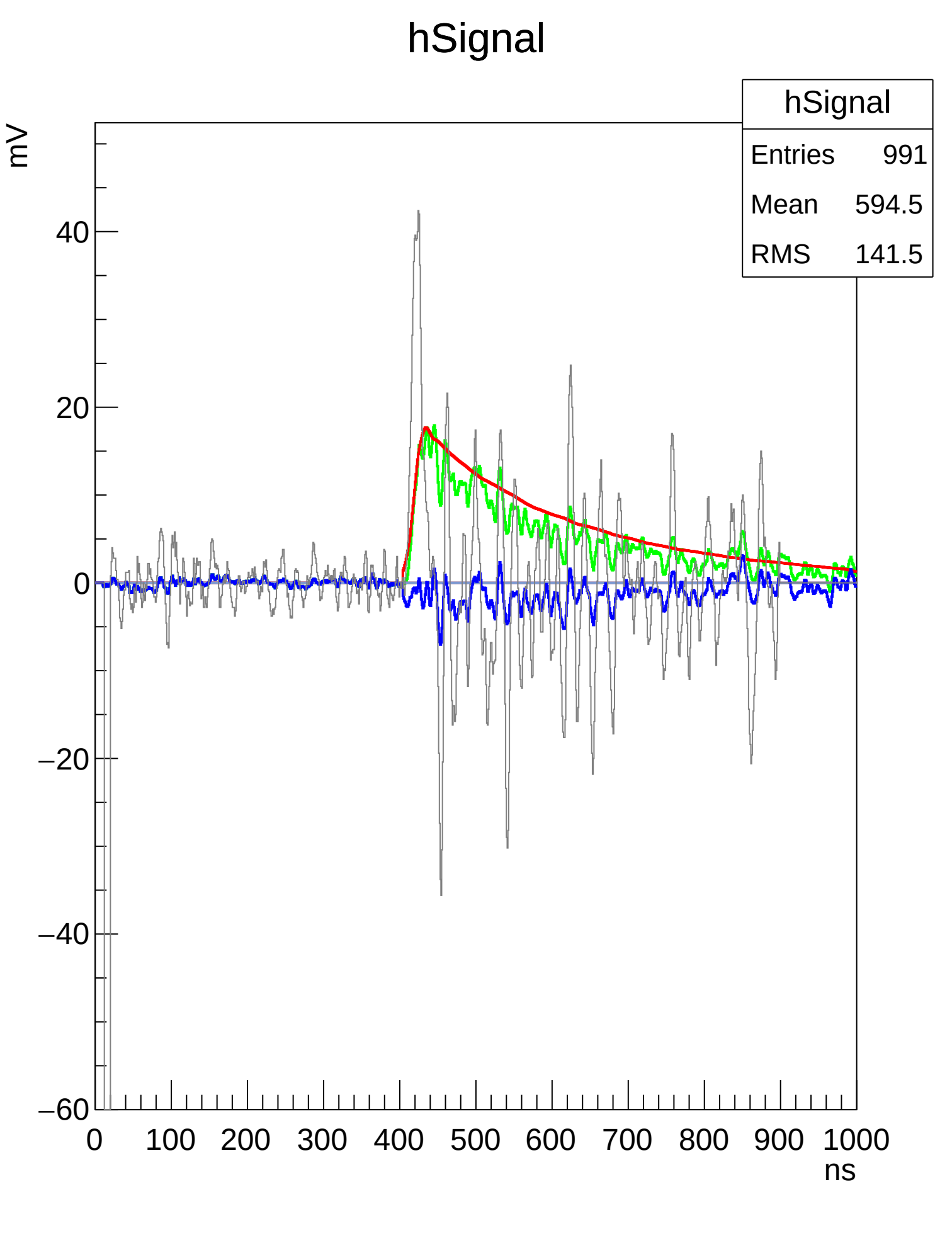
hSignal
hSignal
Entries 991
Mean 594.5
RMS 141.5
mV
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−20
−40
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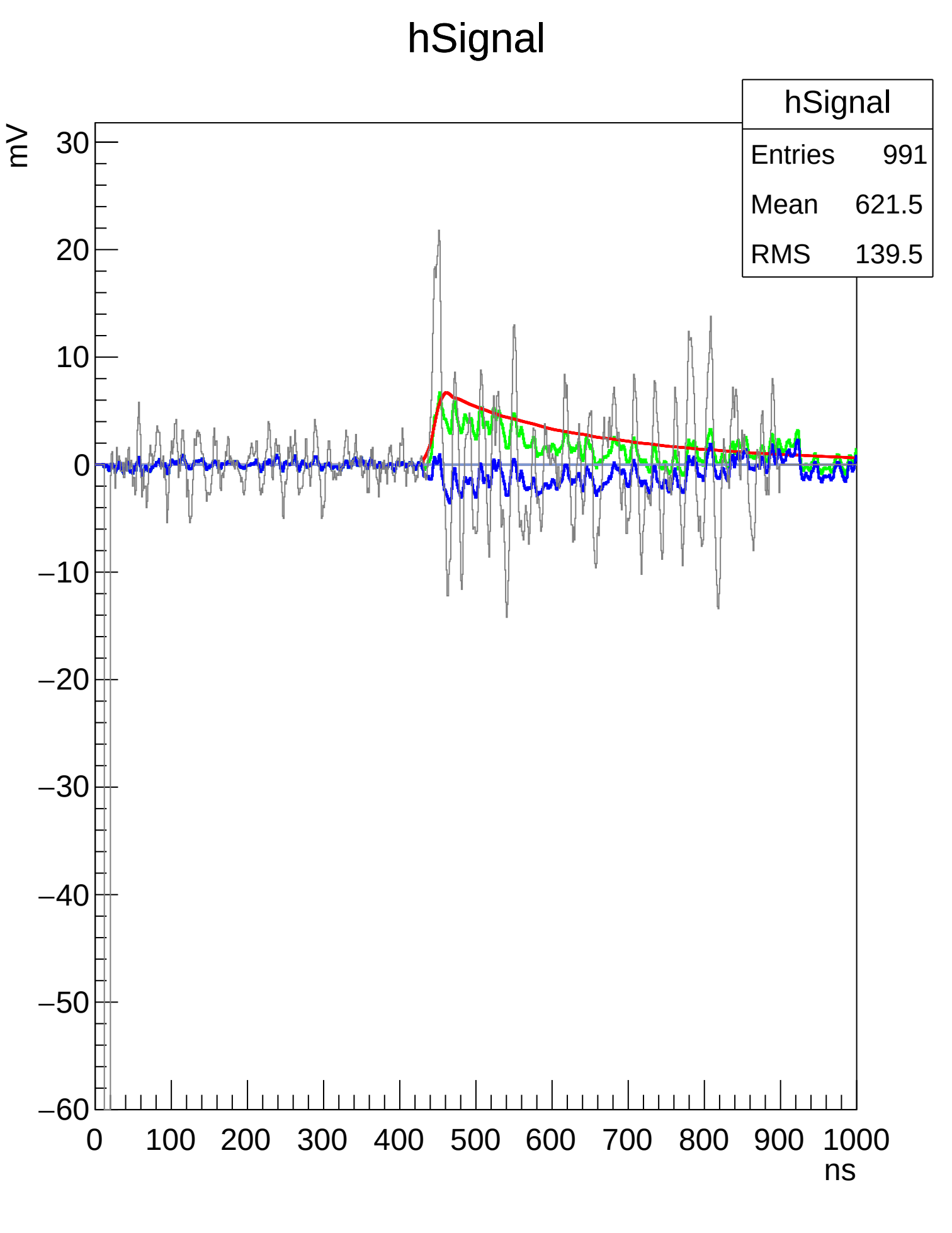
hSignal
hSignal
Entries 991
Mean 621.5
RMS 139.5
mV
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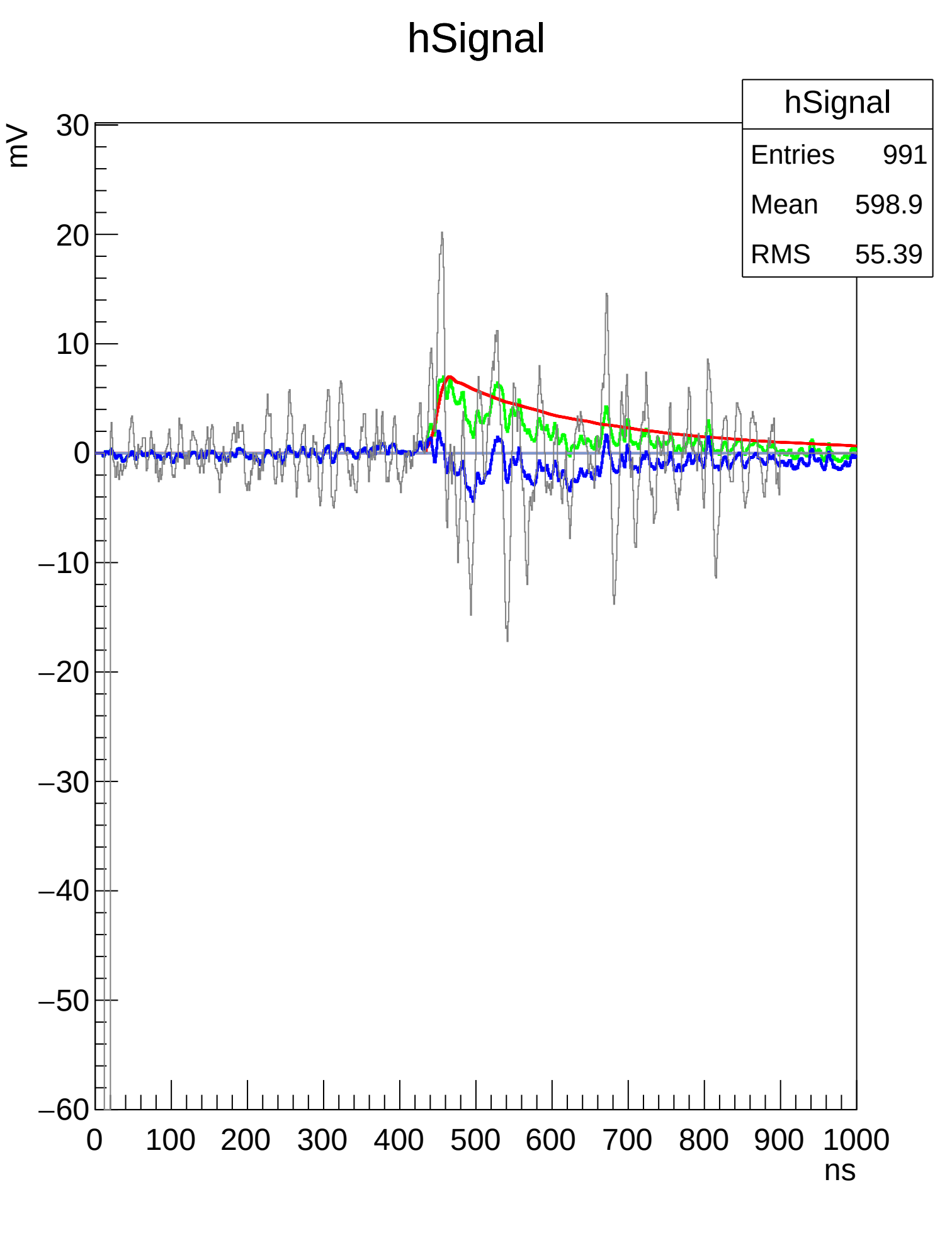
hSignal
hSignal
Entries 991
Mean 598.9
RMS 55.39
mV
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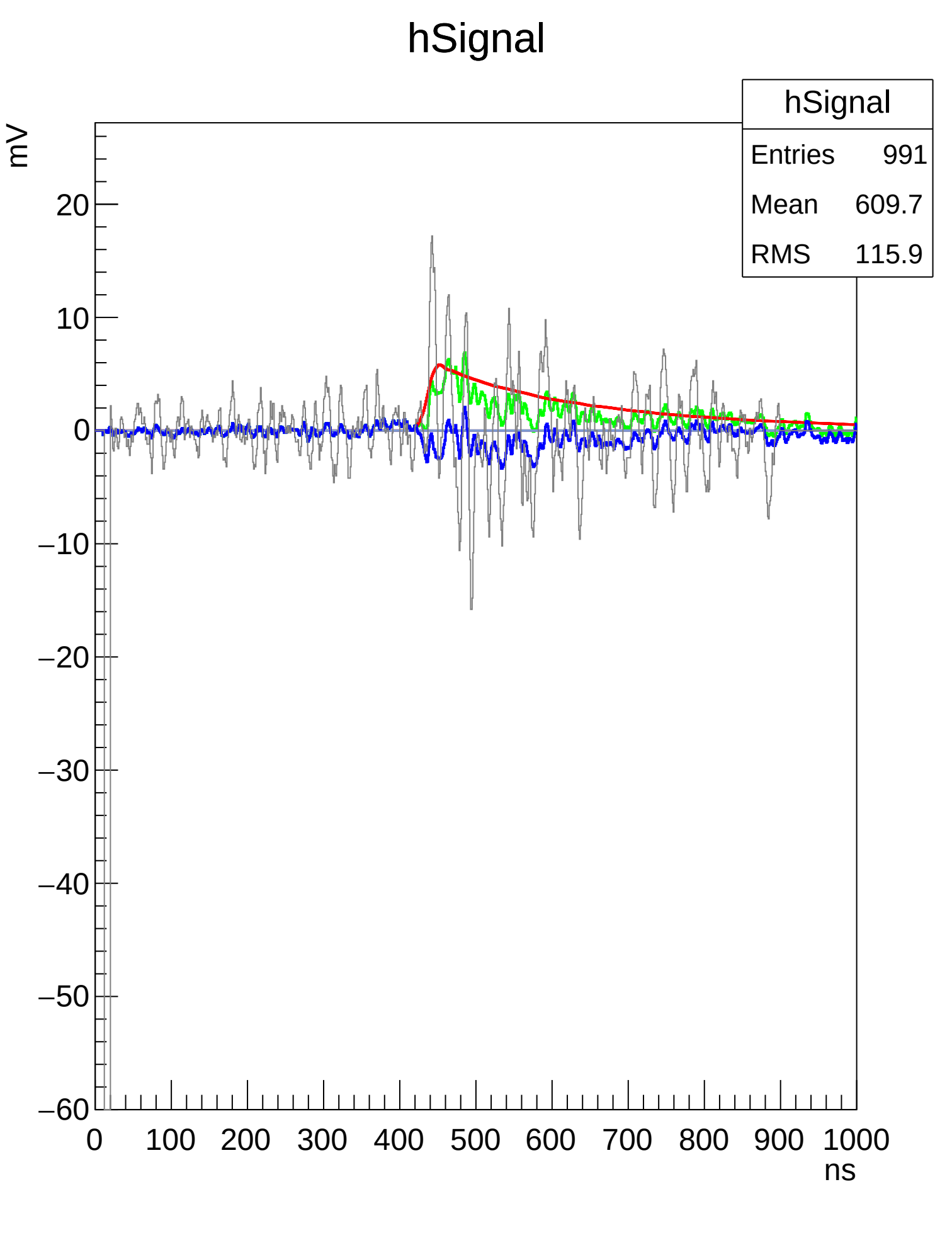
hSignal
hSignal
Entries 991
Mean 609.7
RMS 115.9
mV
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1000
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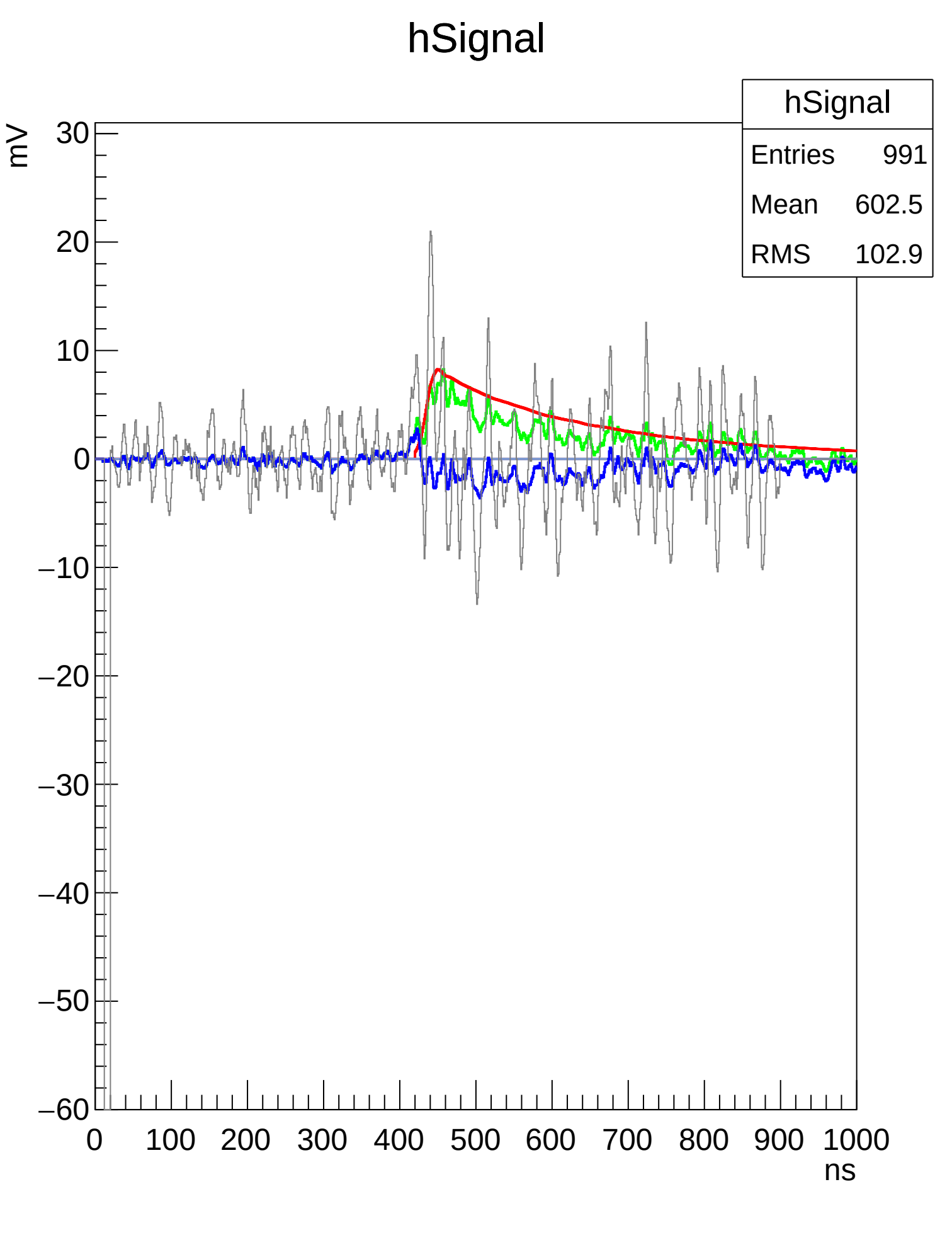
hSignal
hSignal
Entries 991
Mean 602.5
RMS 102.9
mV
30
20
10
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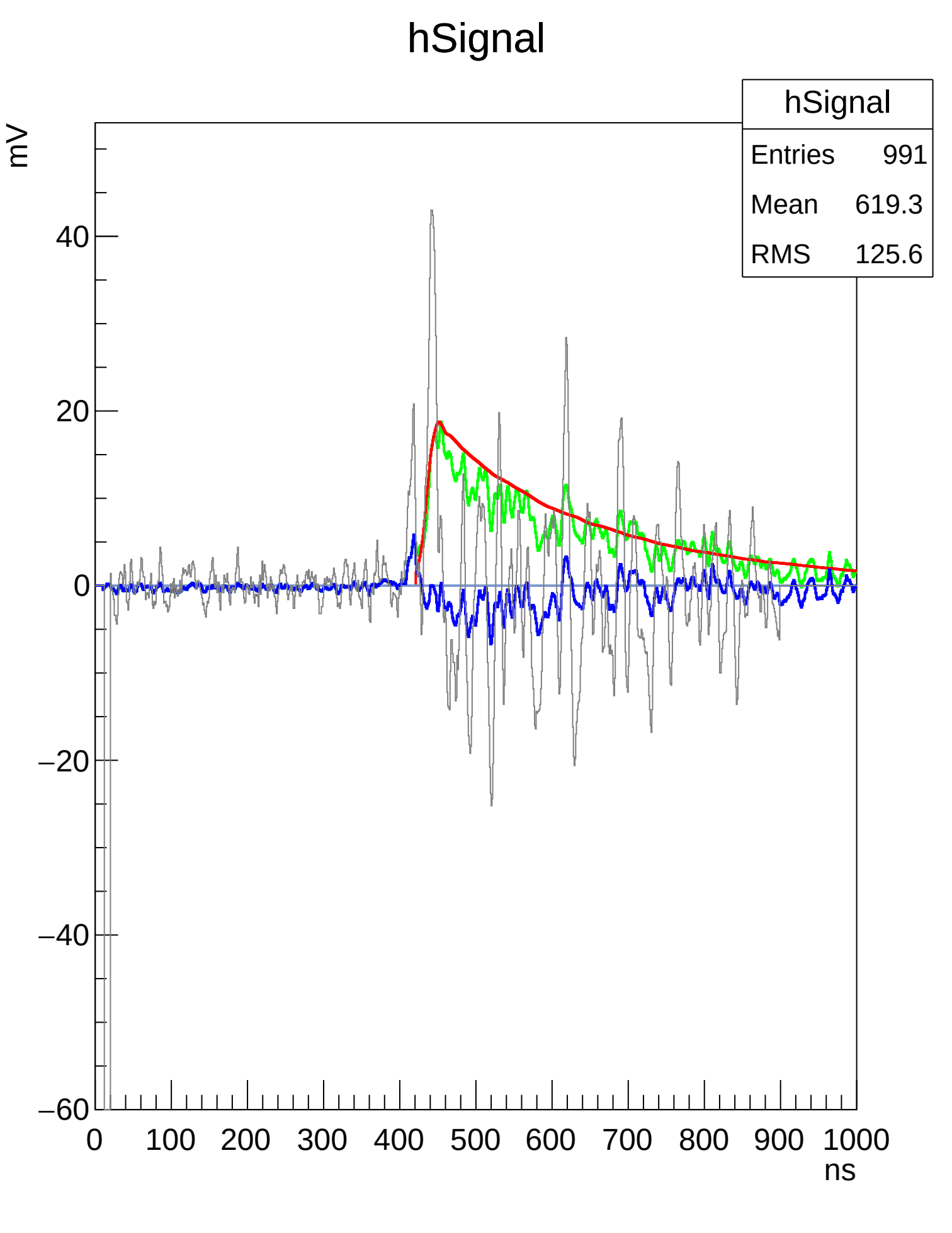
1000
ns


hSignal
hSignal
Entries 991
Mean 619.3
RMS 125.6
mV
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−20
−40
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0
100
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600
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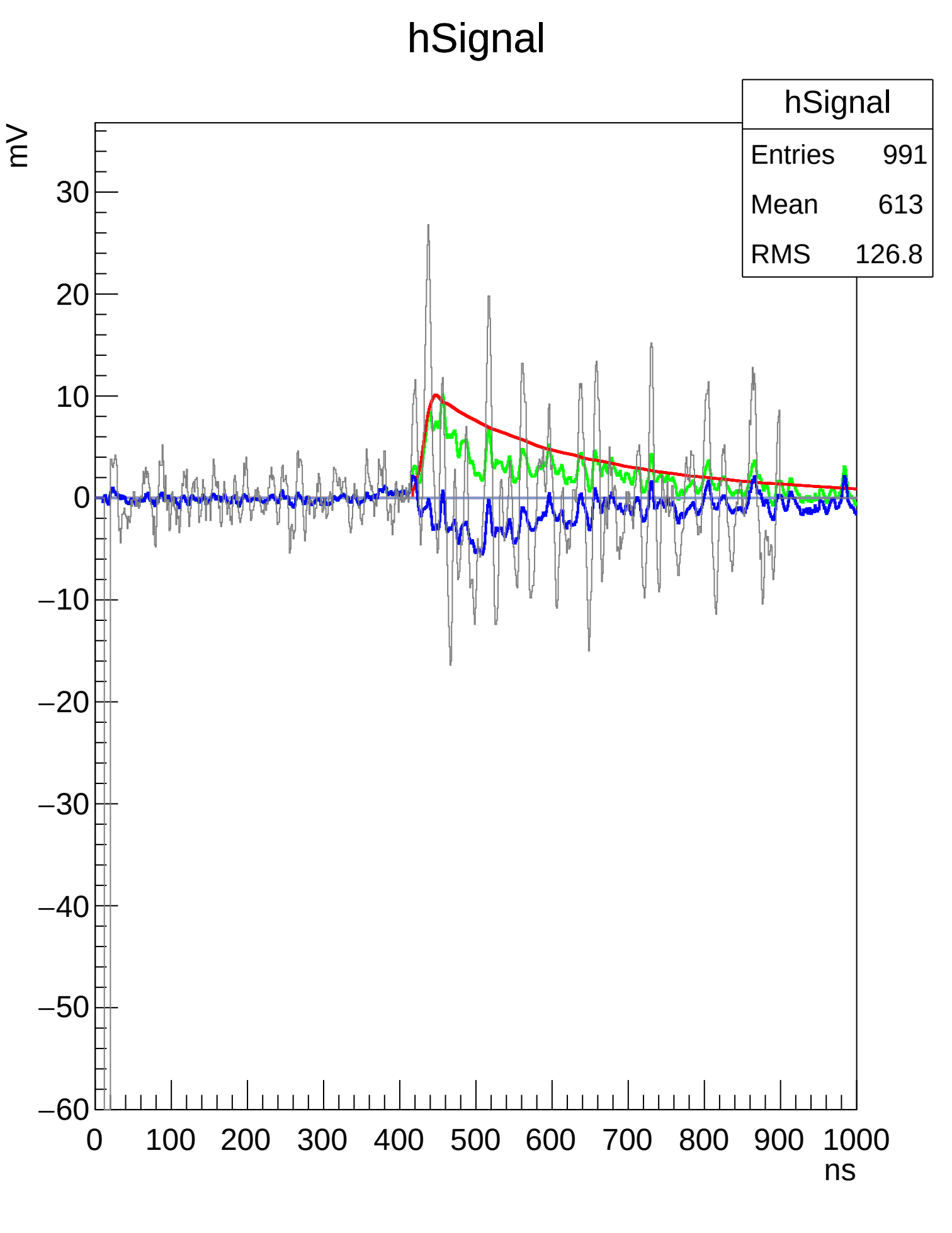
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613
RMS 126.8
mV
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1000
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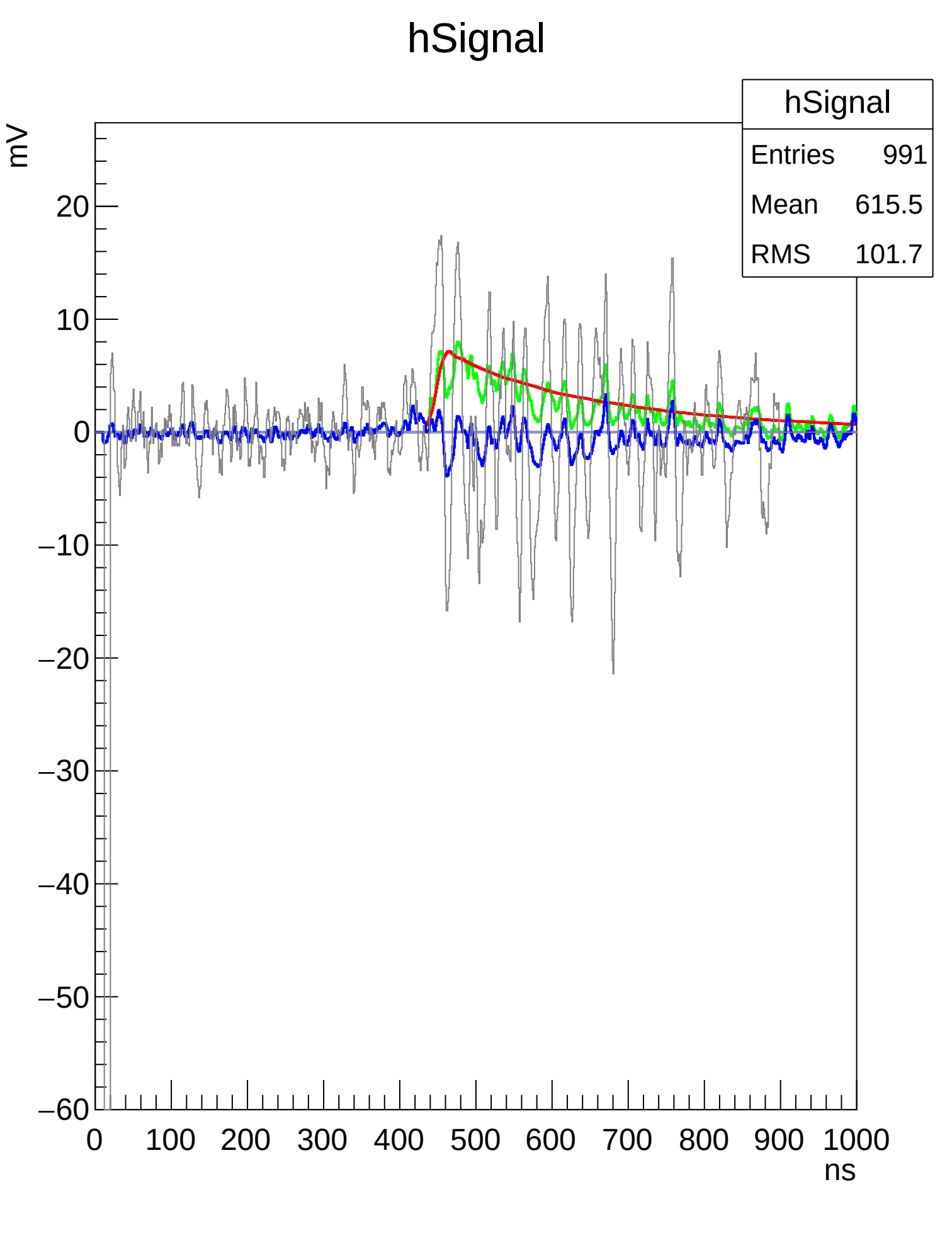
hSignal
hSignal
Entries 991
Mean 615.5
RMS 101.7
mV
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−10
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−40
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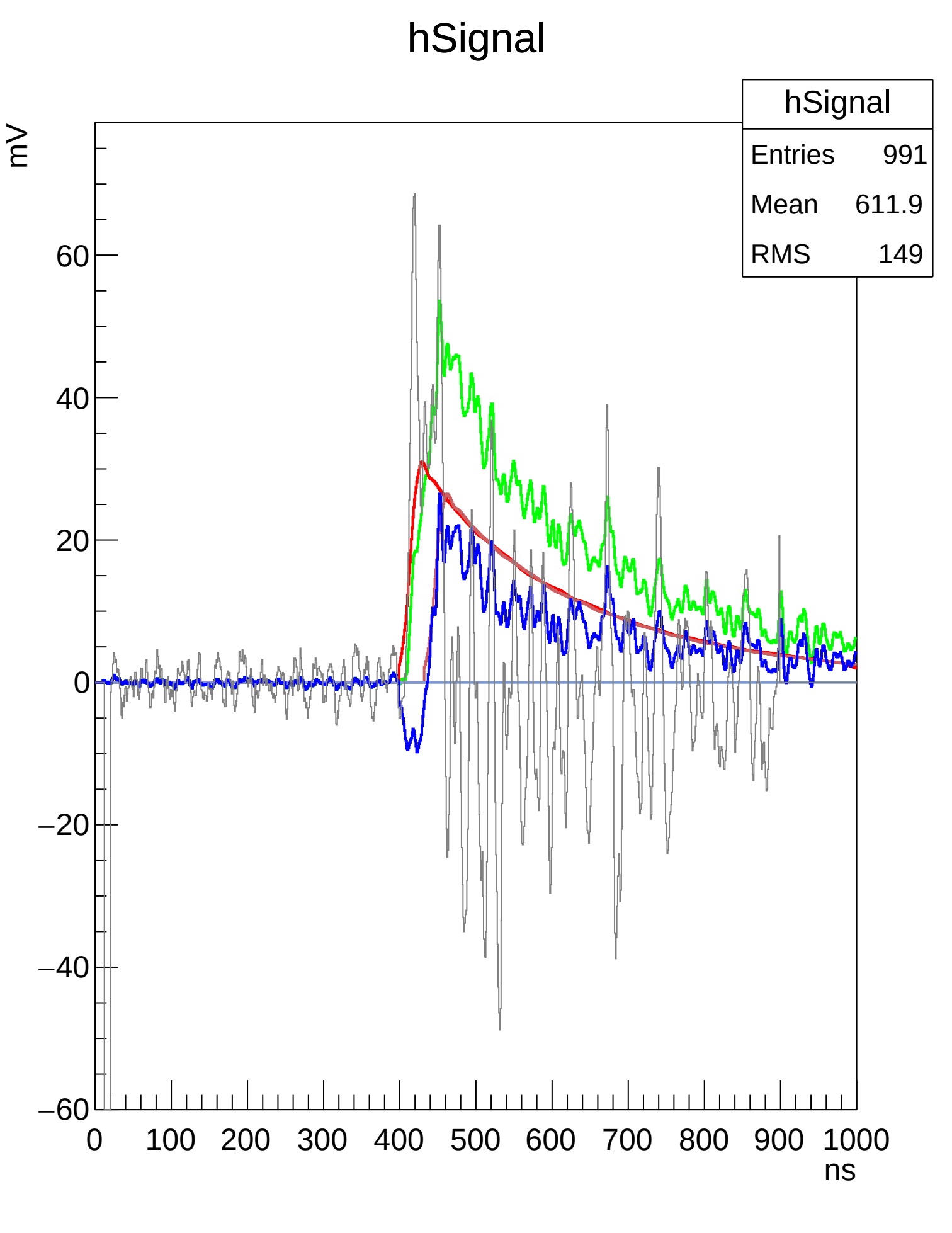
1000
ns


hSignal
hSignal
Entries 991
Mean 611.9
RMS 149
mV
60
40
20
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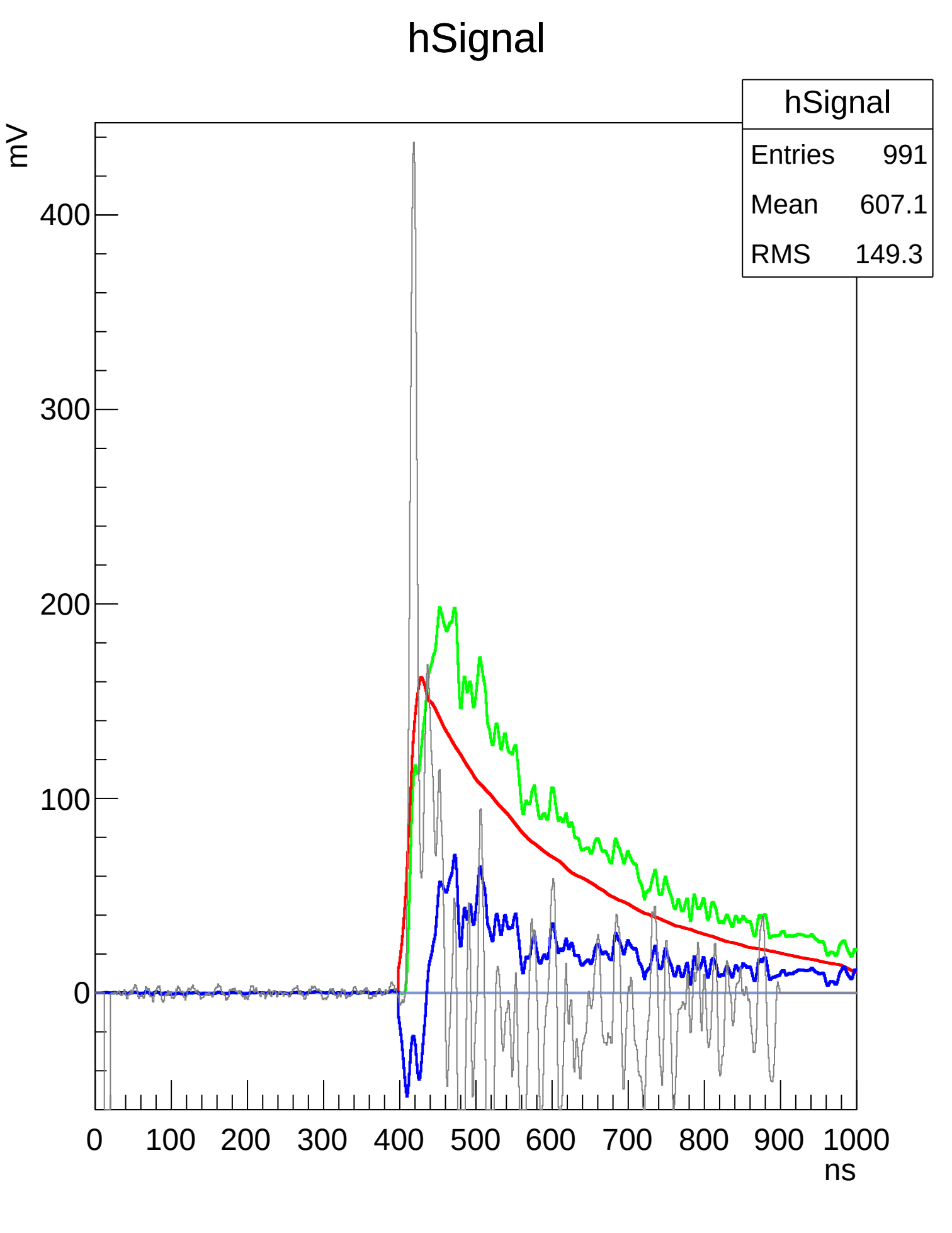
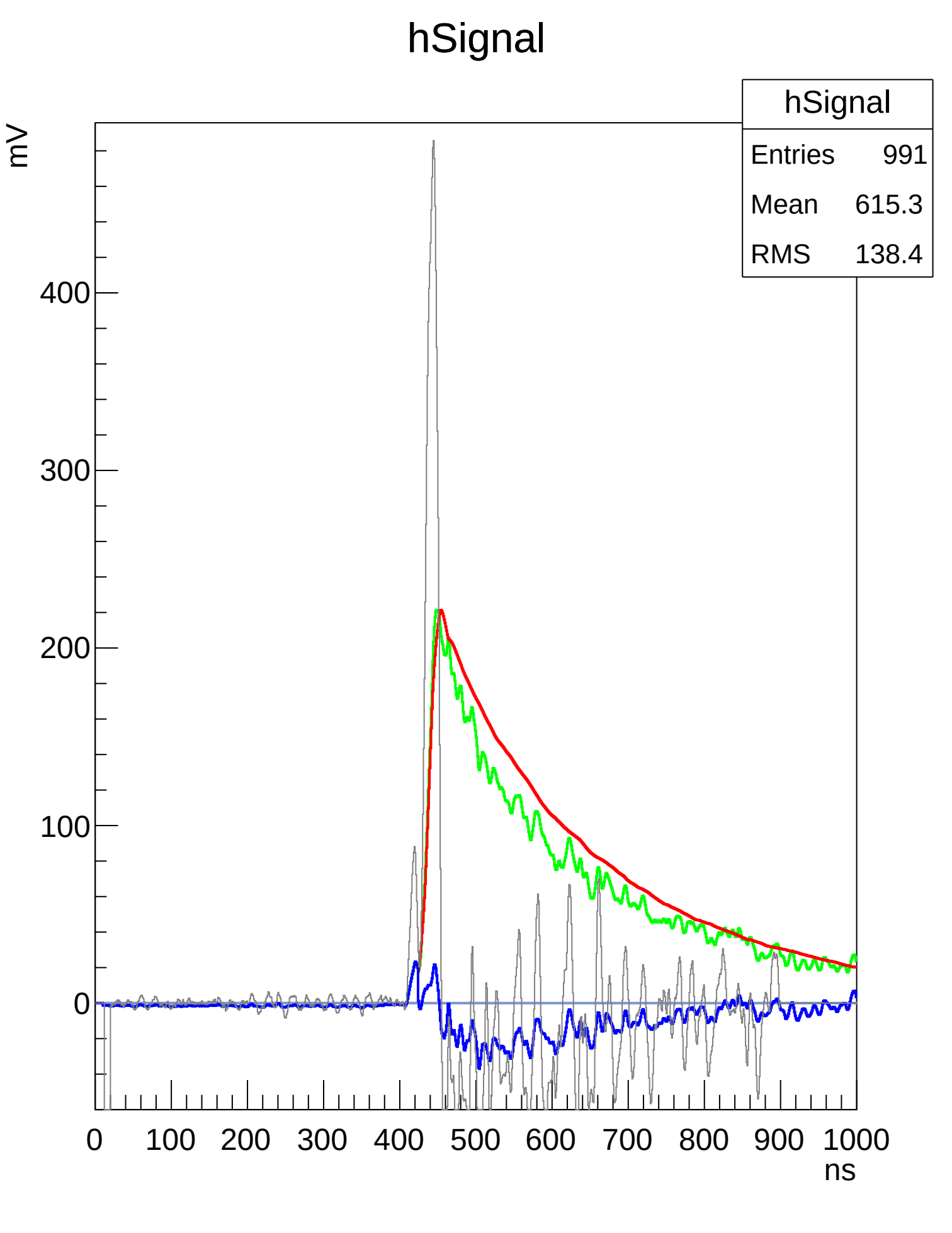
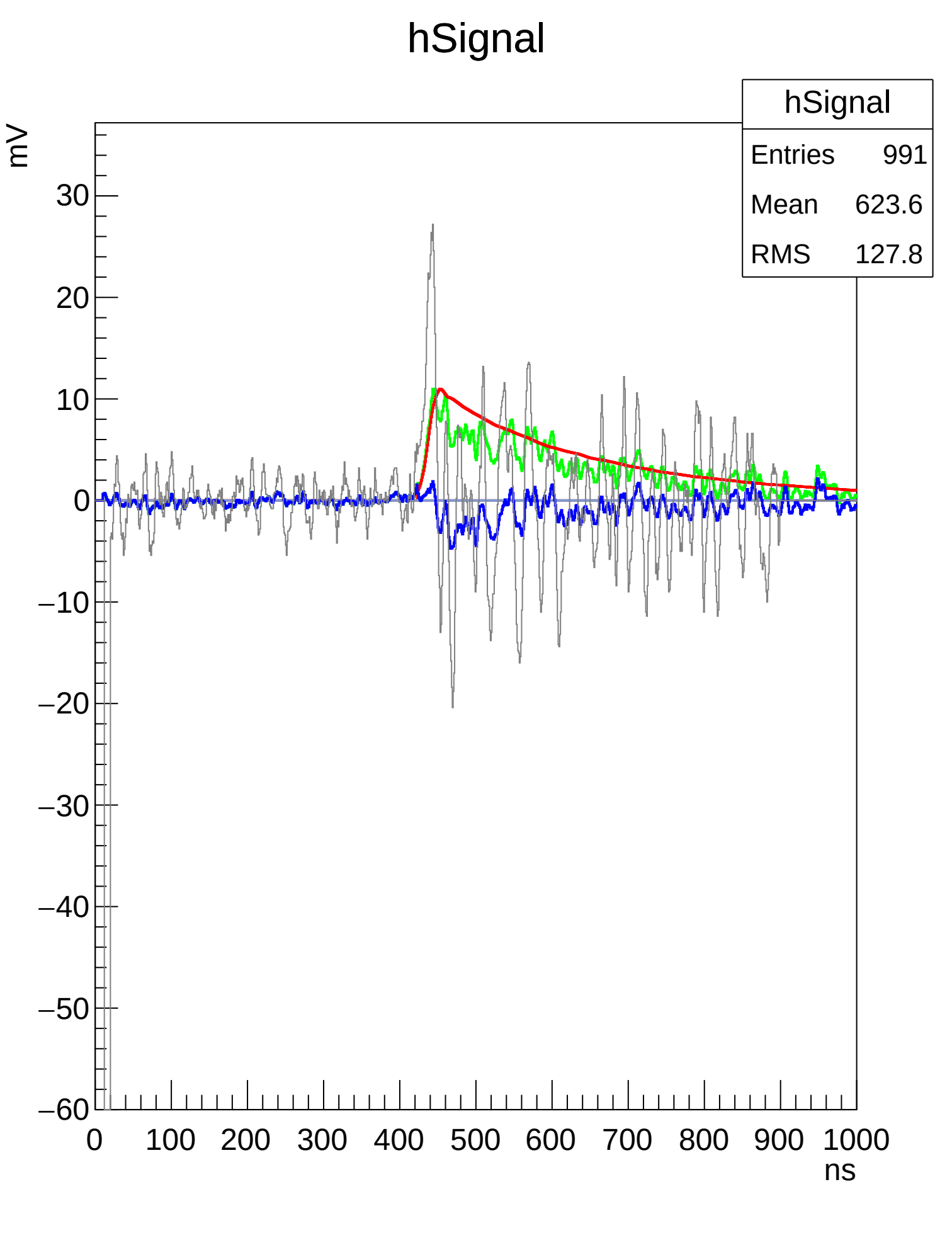
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.1
RMS 149.3
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.3
RMS 138.4
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns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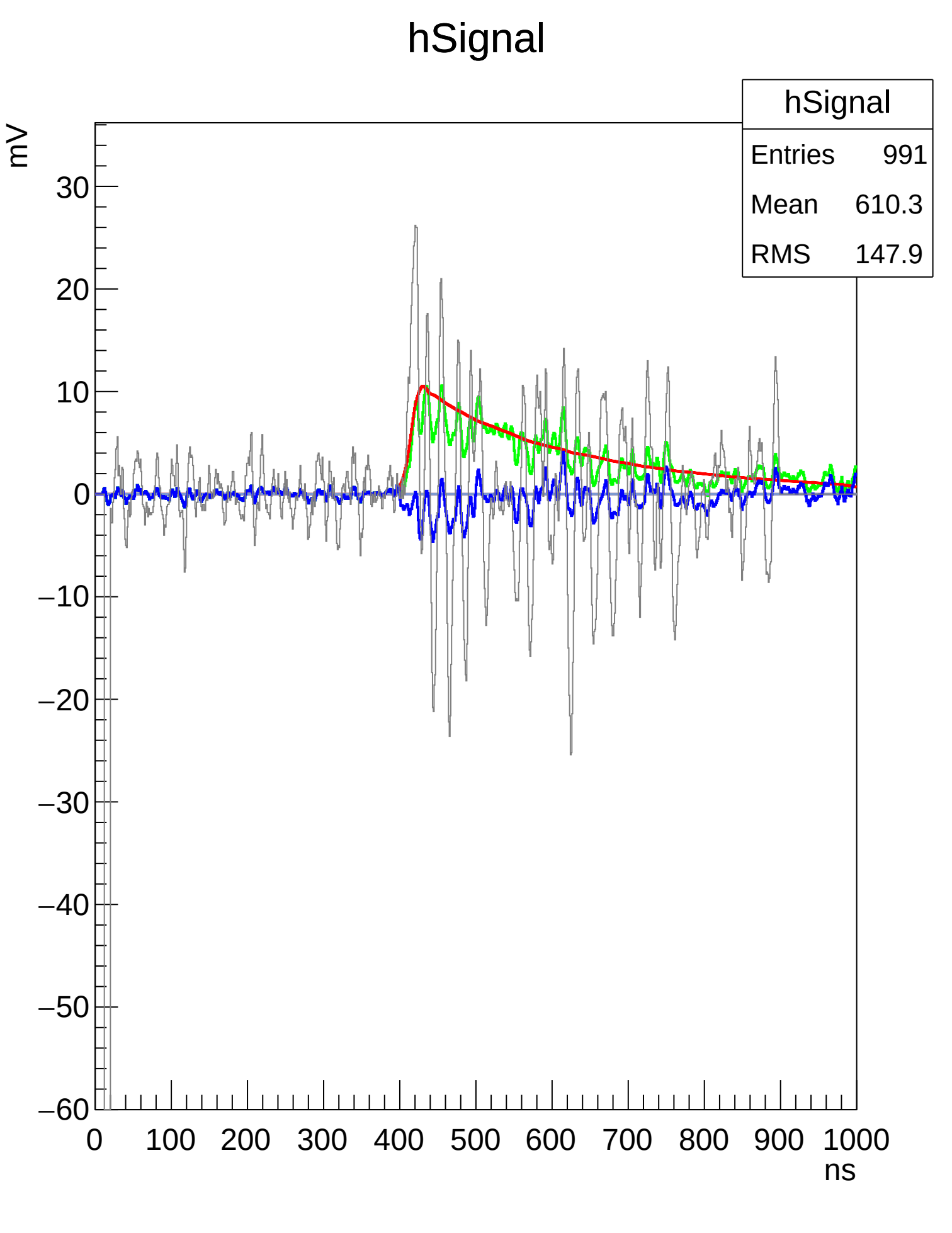
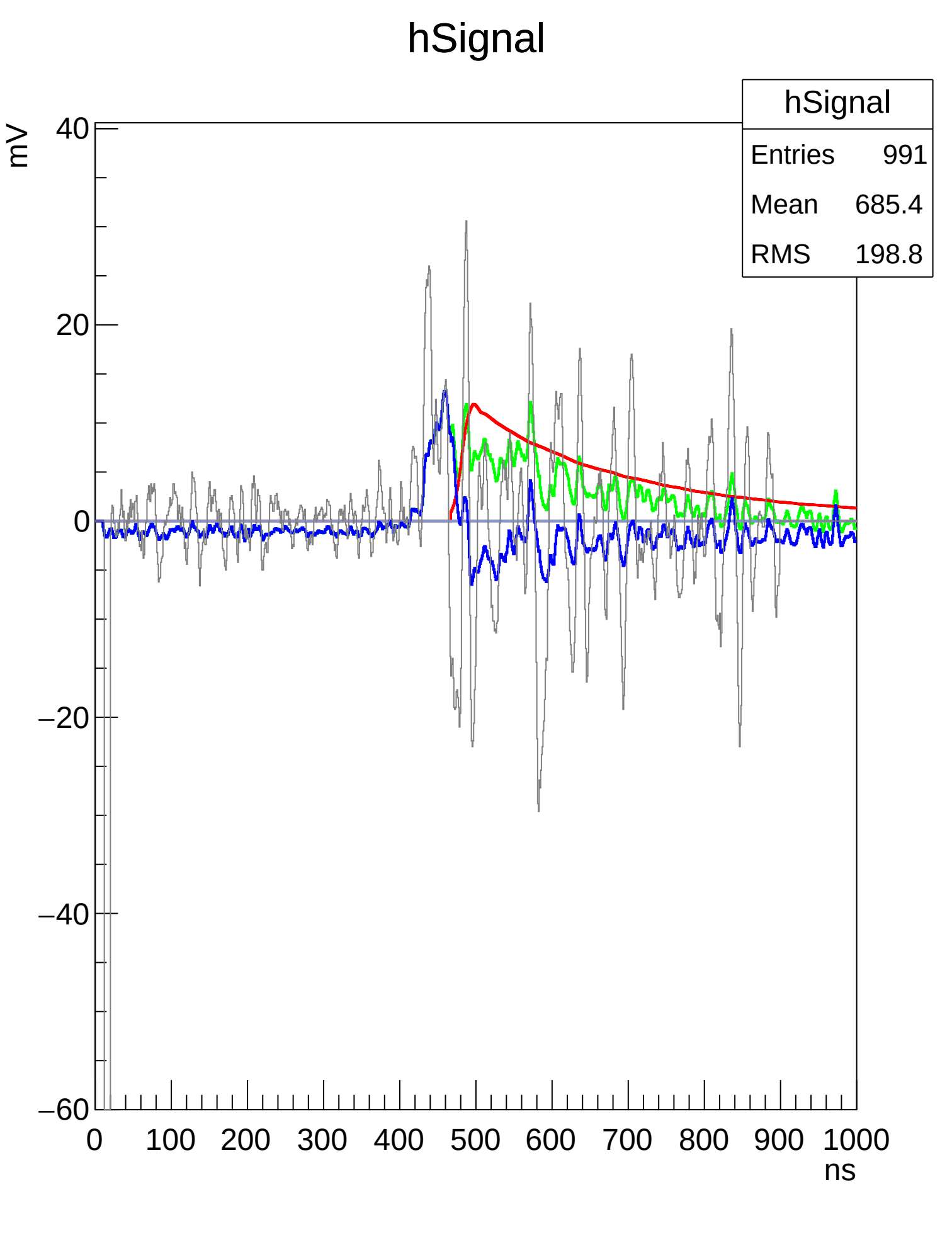
hSignal
Entries 991
Mean 623.6
RMS 127.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.3
RMS 147.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 685.4
RMS 198.8
mV
40
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0
−20
−40
−60
0
100
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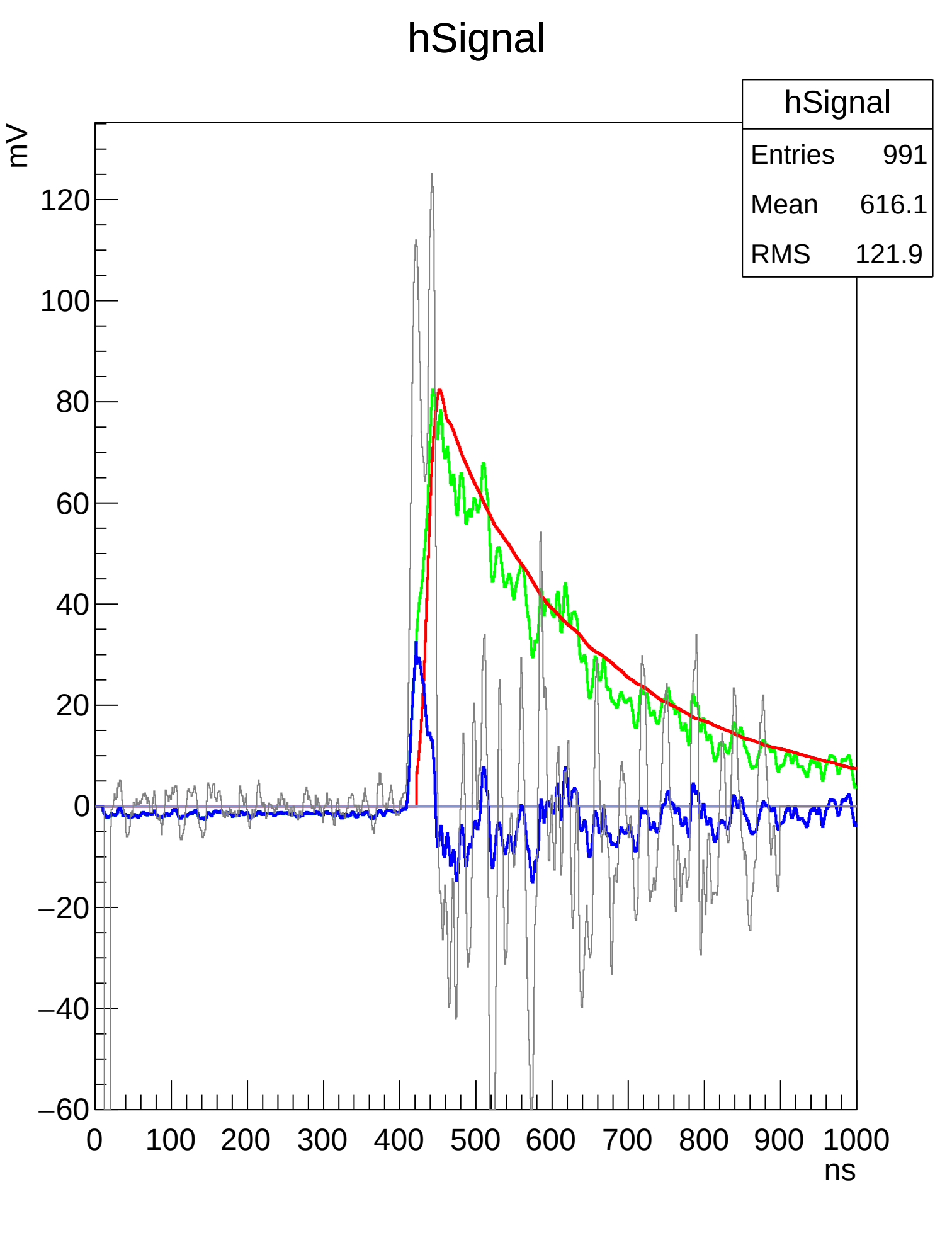
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.1
RMS 121.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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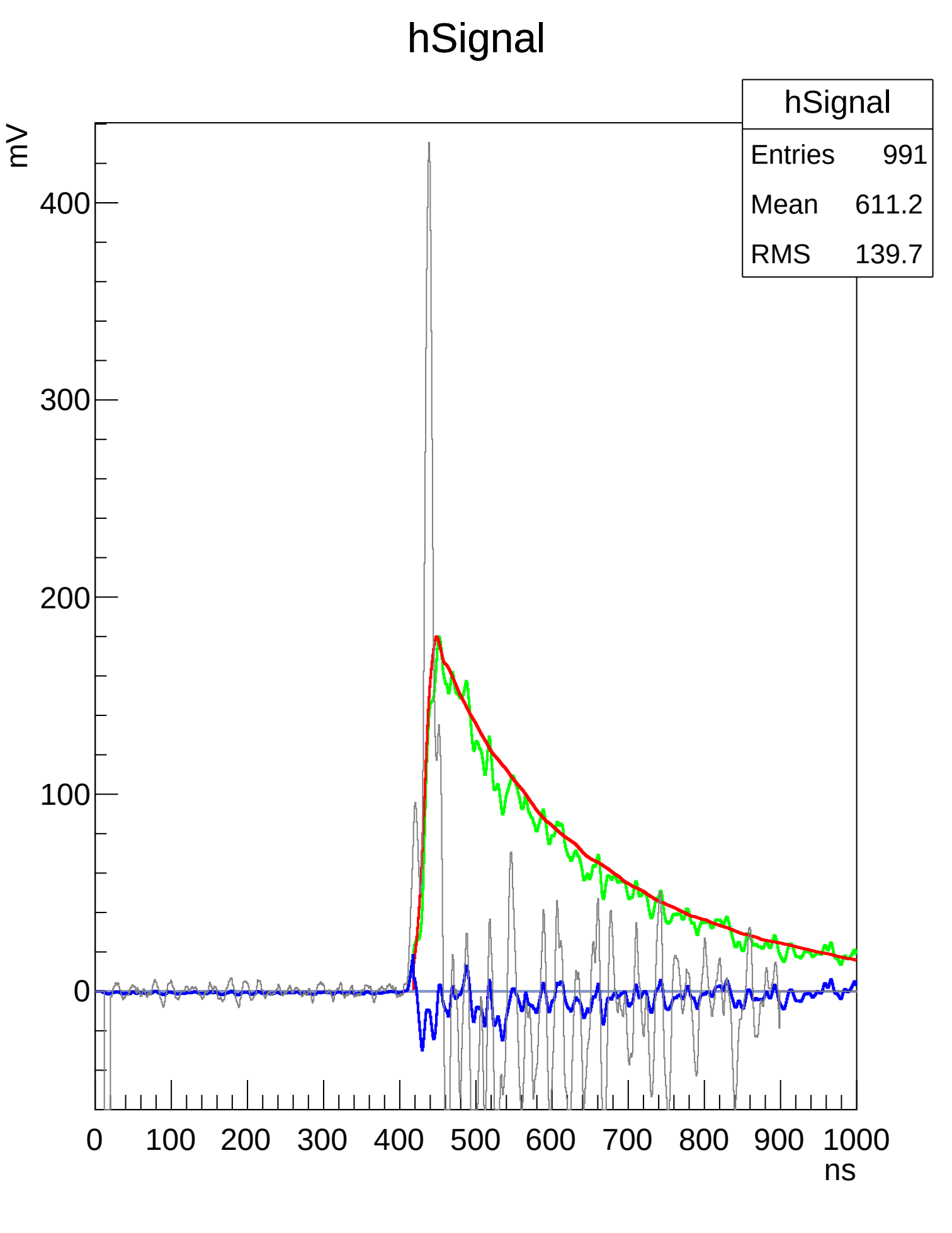
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.2
RMS 139.7
mV
400
300
200
100
0
0
100
200
300
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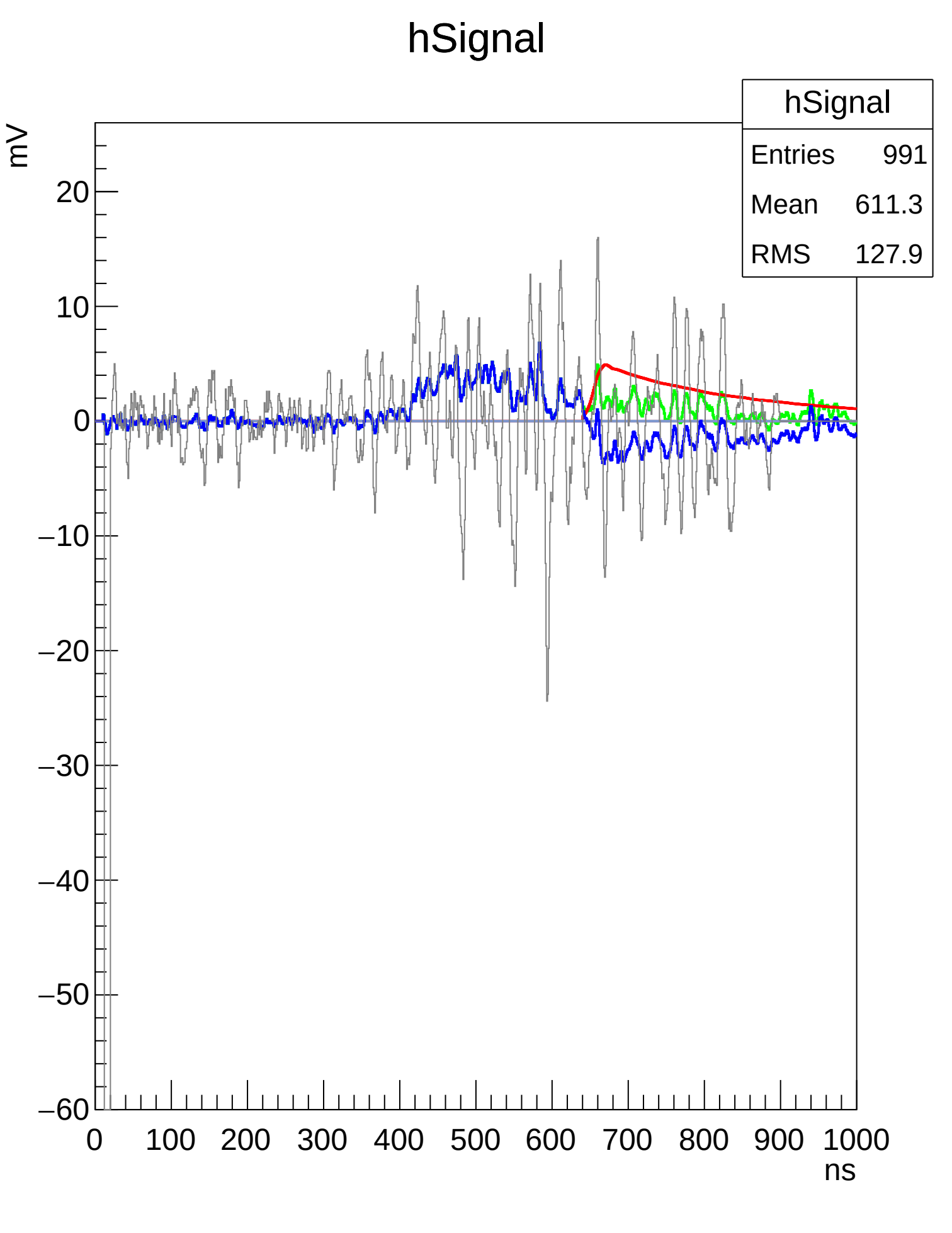
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.3
RMS 127.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
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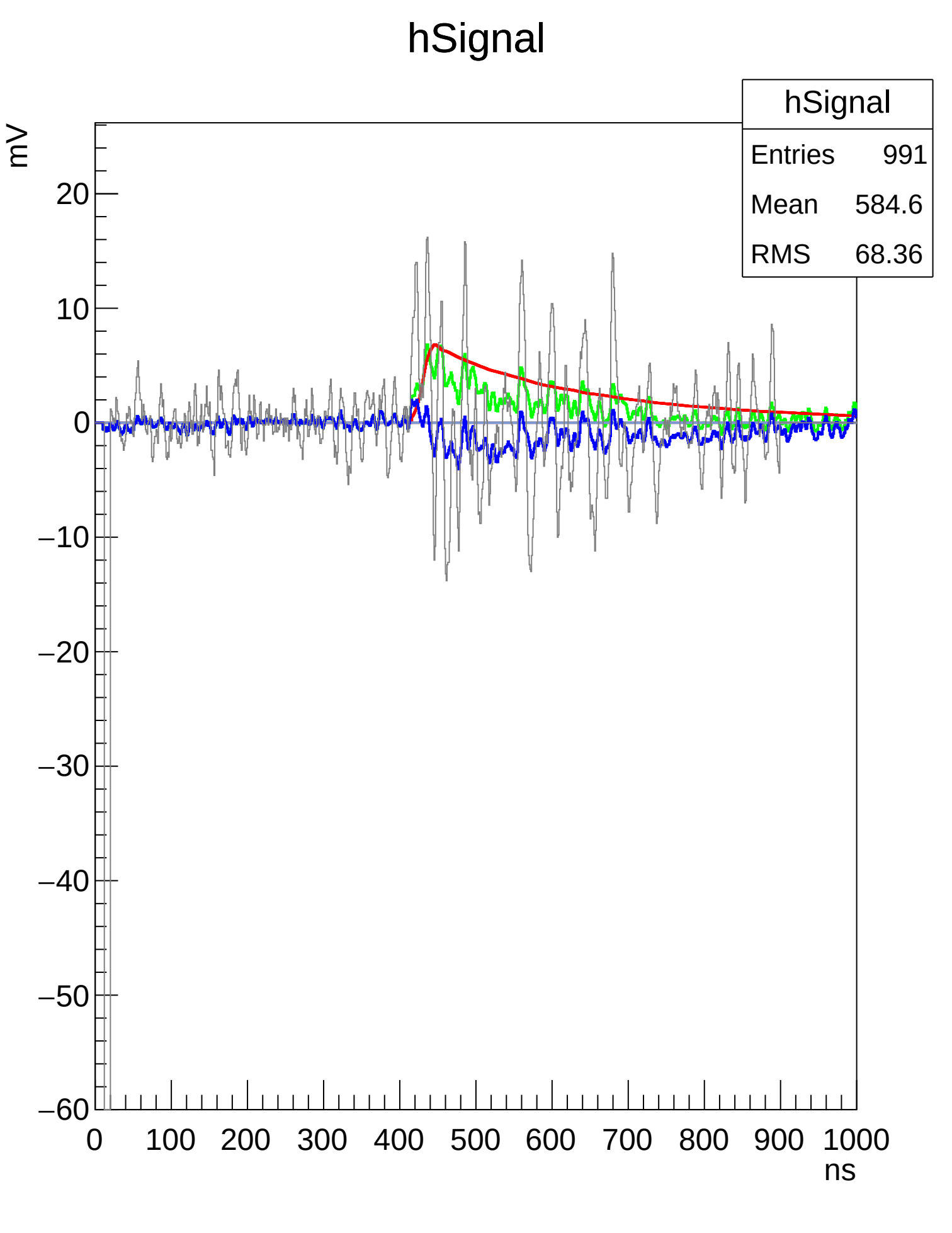
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.6
RMS 68.36
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
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800
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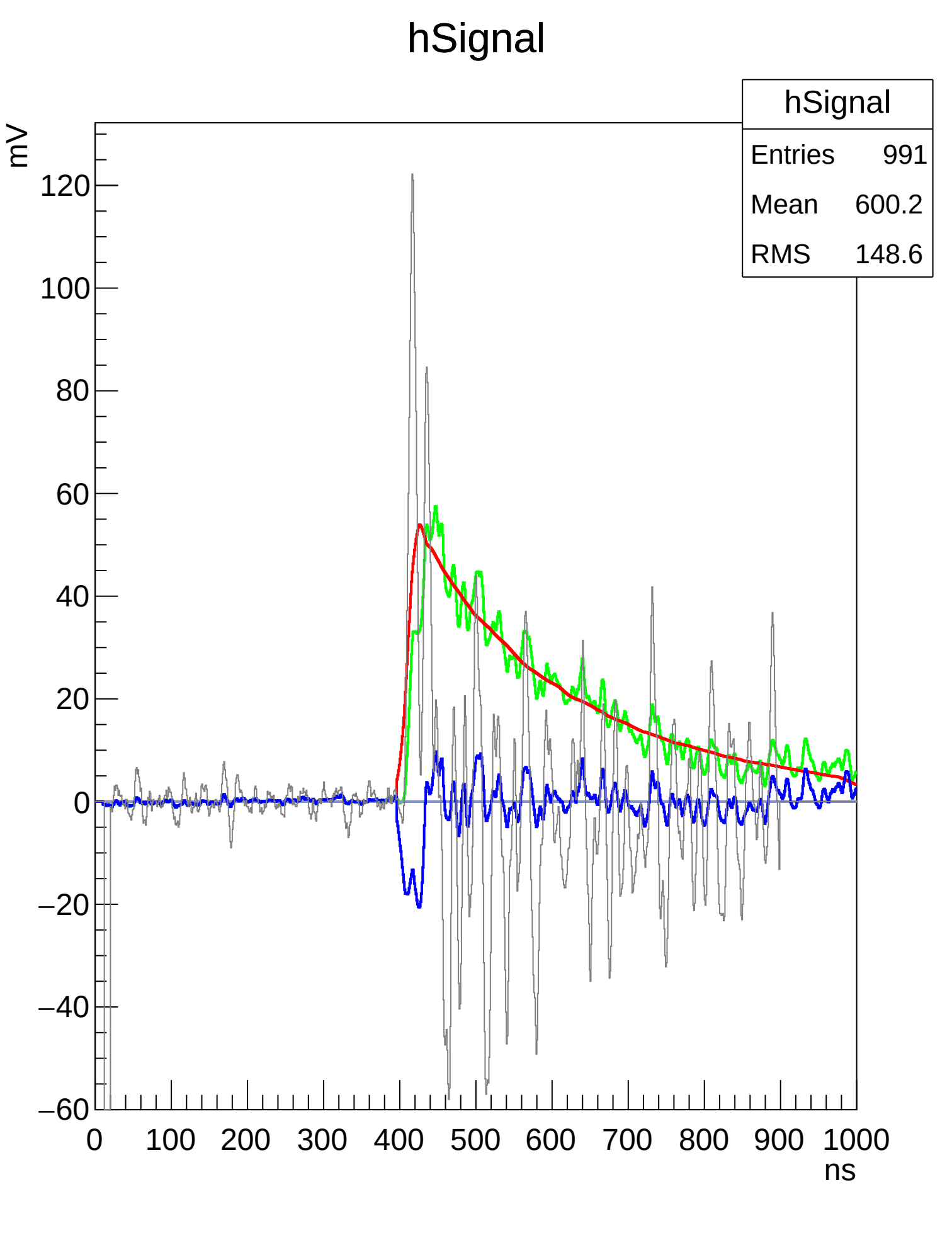
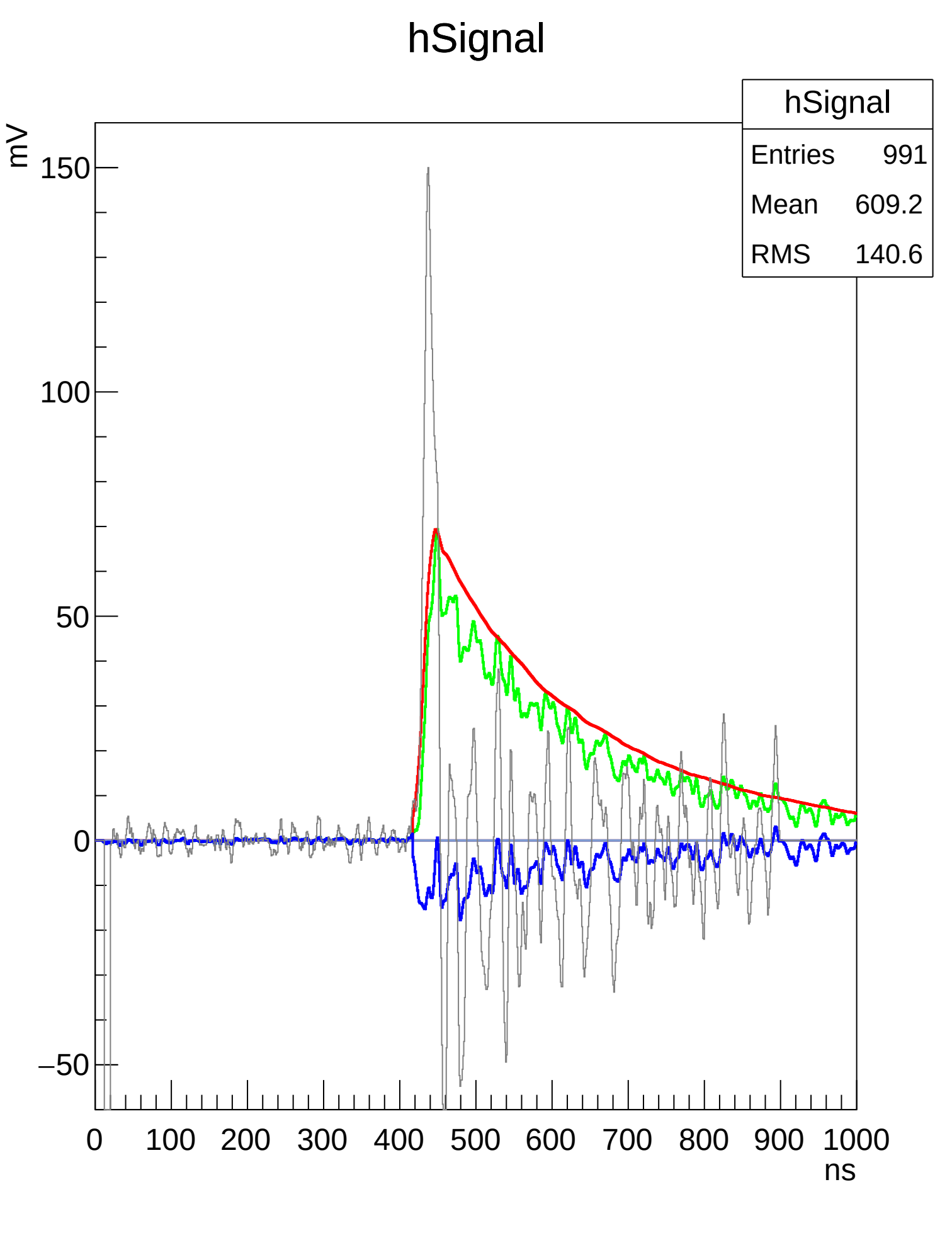
1000
ns


hSignal
hSignal
Entries 991
Mean 600.2
RMS 148.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 140.6
mV
150
100
50
0
−50
0
100
200
300
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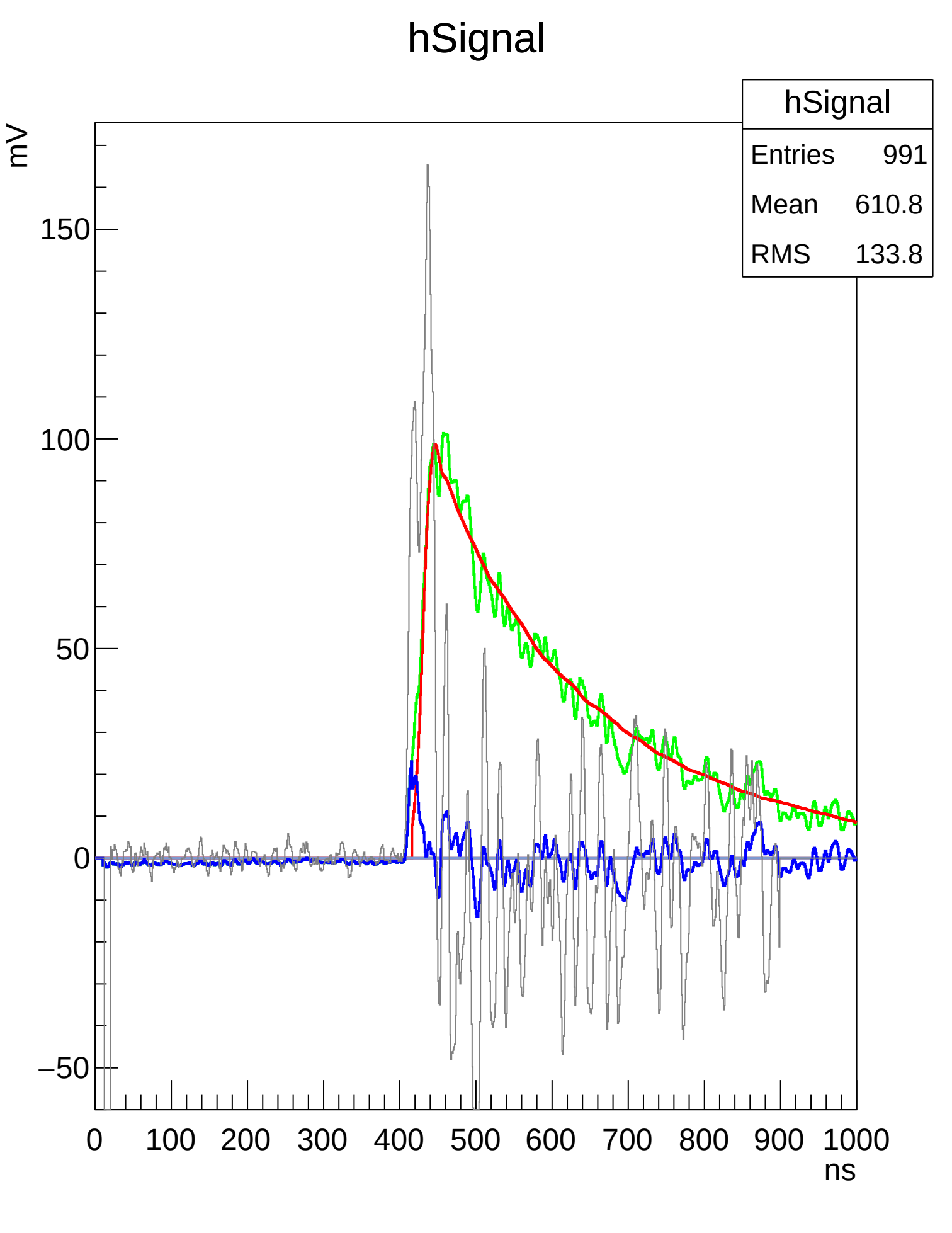
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.8
RMS 133.8
mV
150
100
50
0
−50
0
100
200
300
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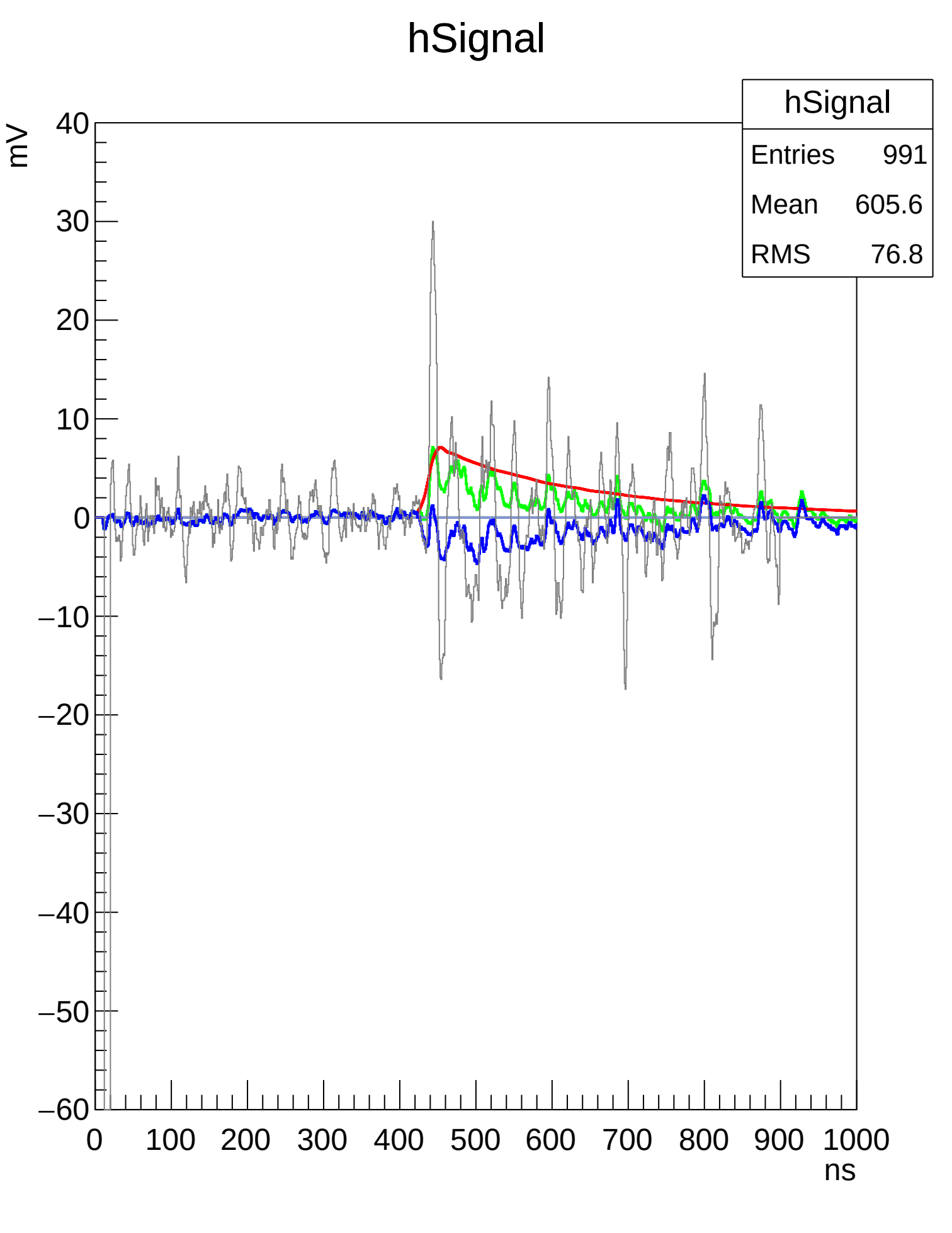
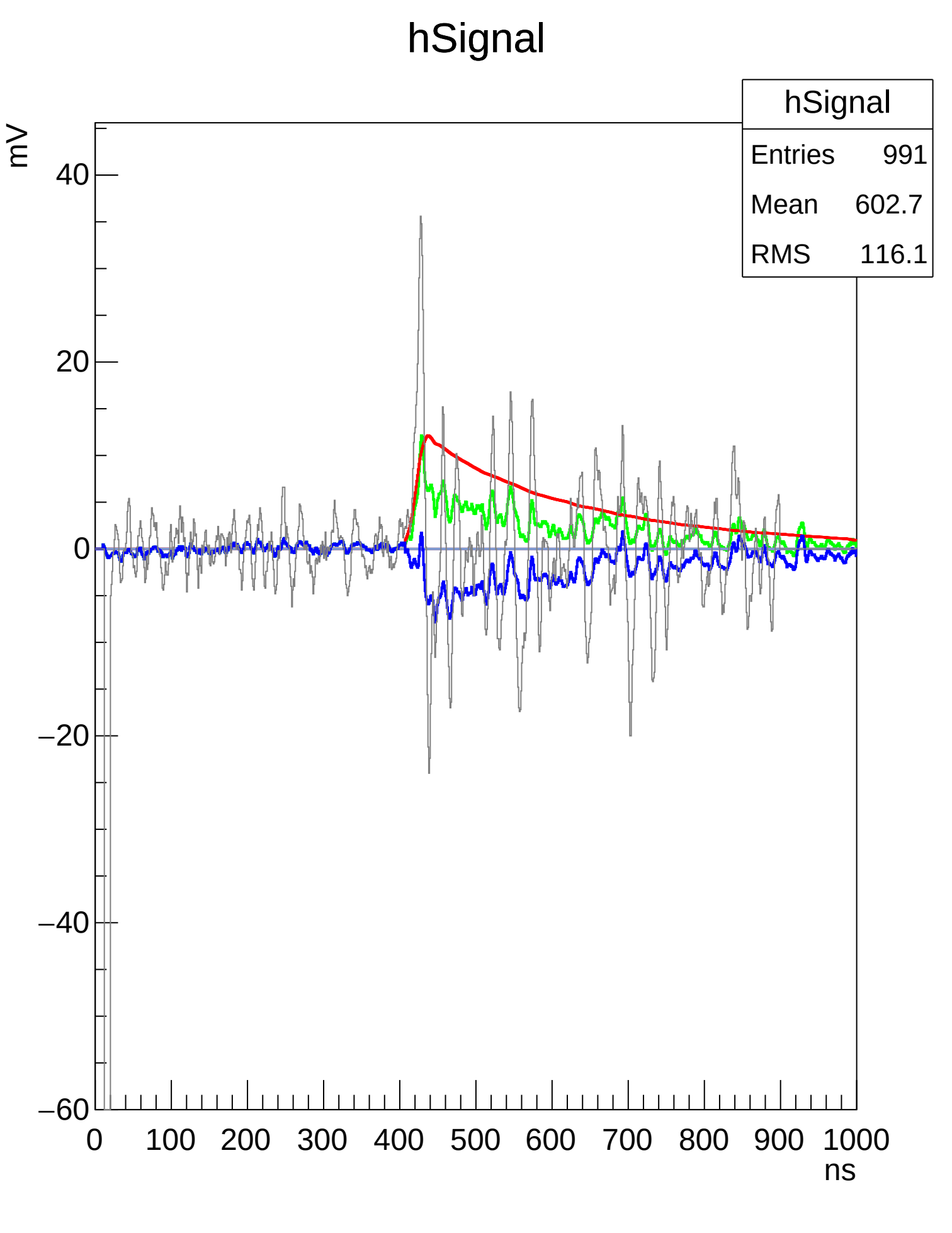
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.6
RMS 76.8
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.7
RMS 116.1
mV
40
20
0
−20
−40
−60
0
100
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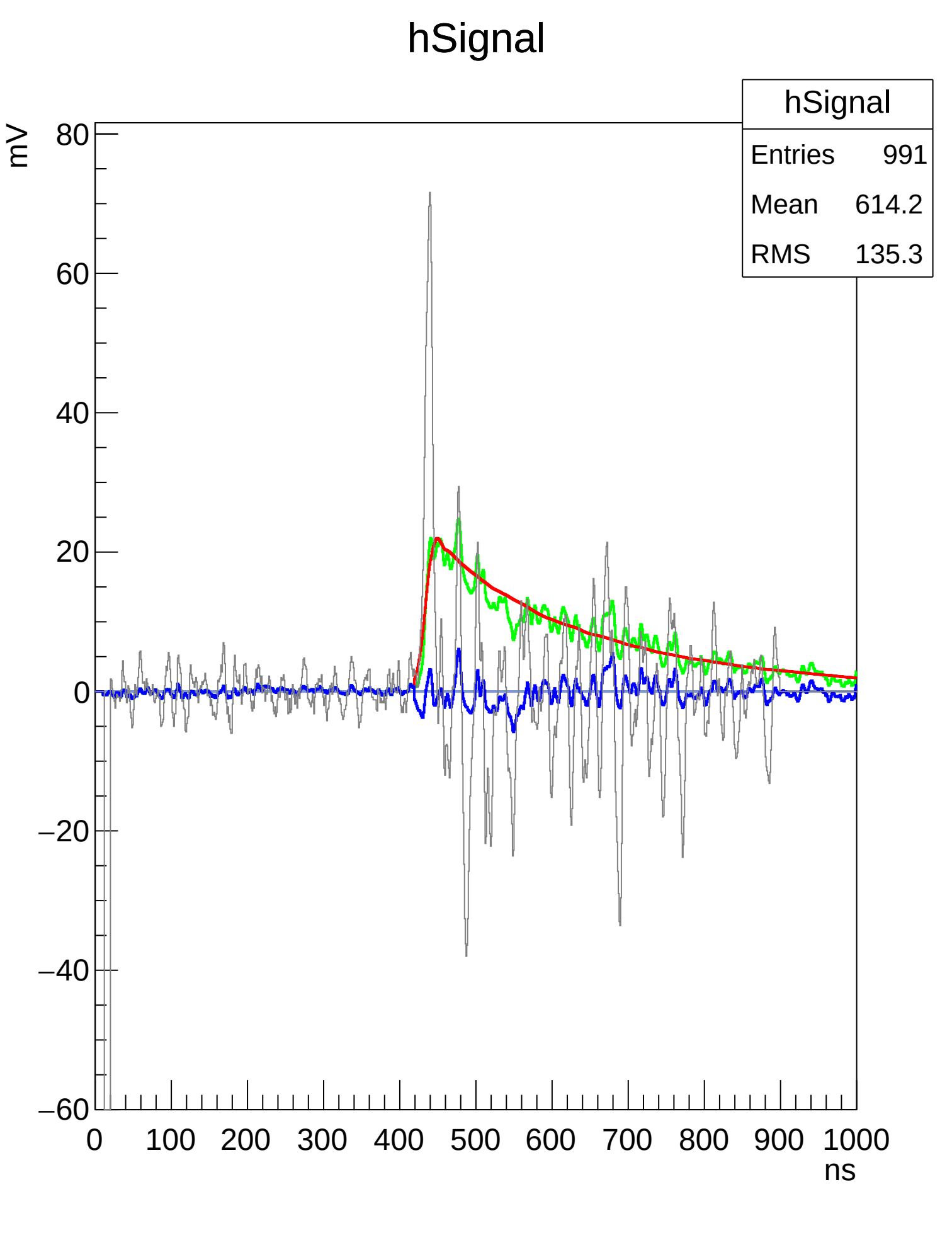
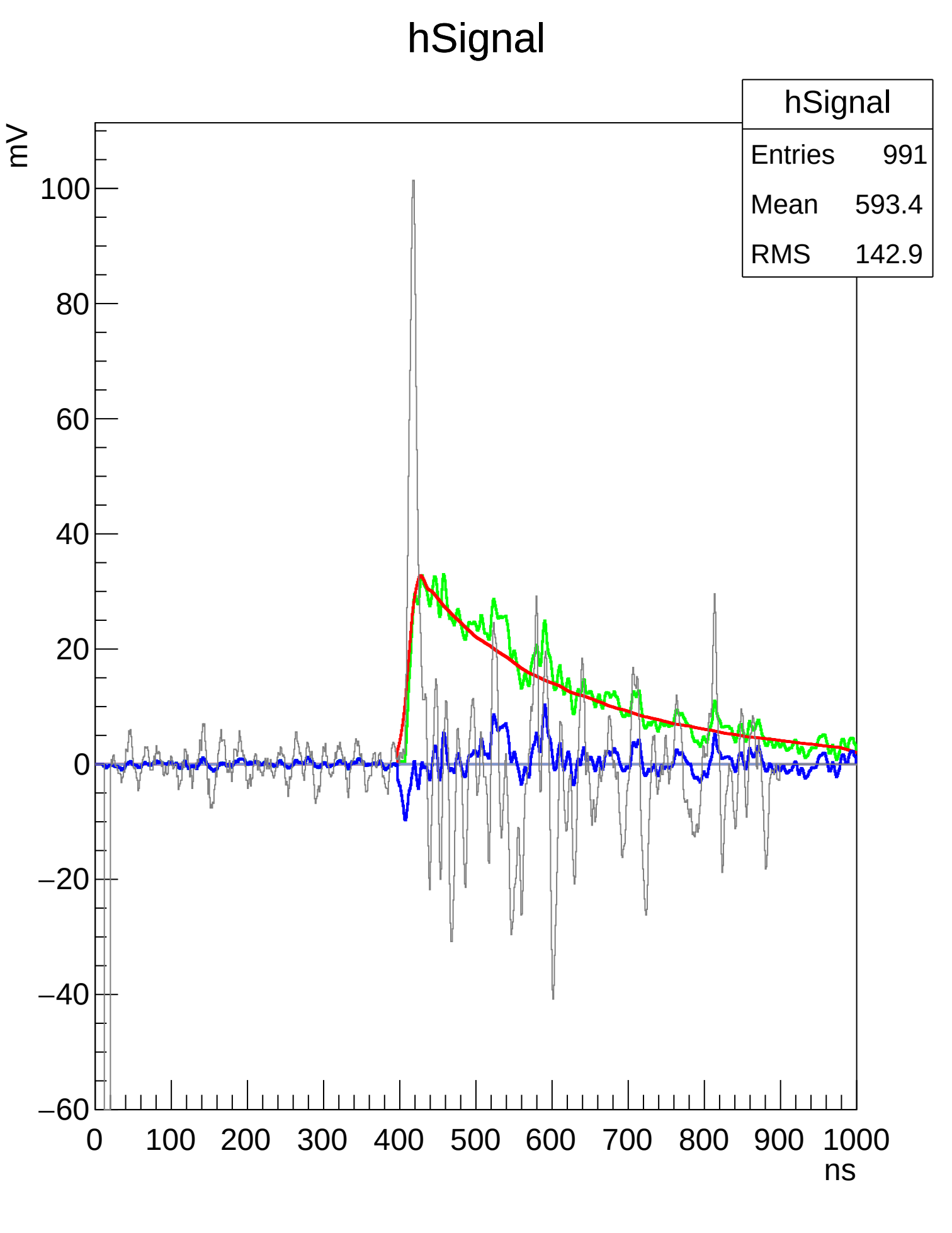
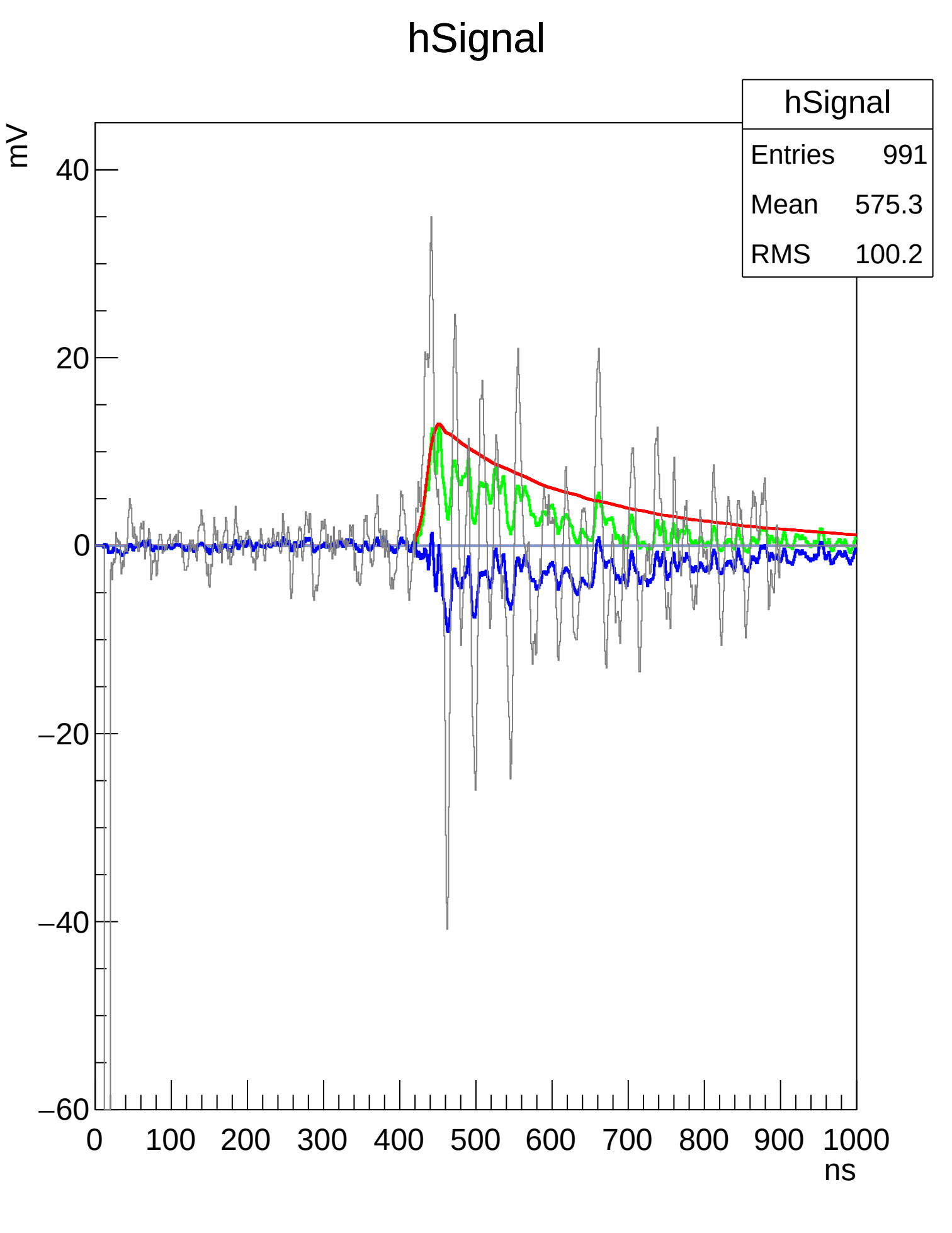
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.2
RMS 135.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 142.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.3
RMS 100.2
mV
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−20
−40
−60
0
100
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600
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800
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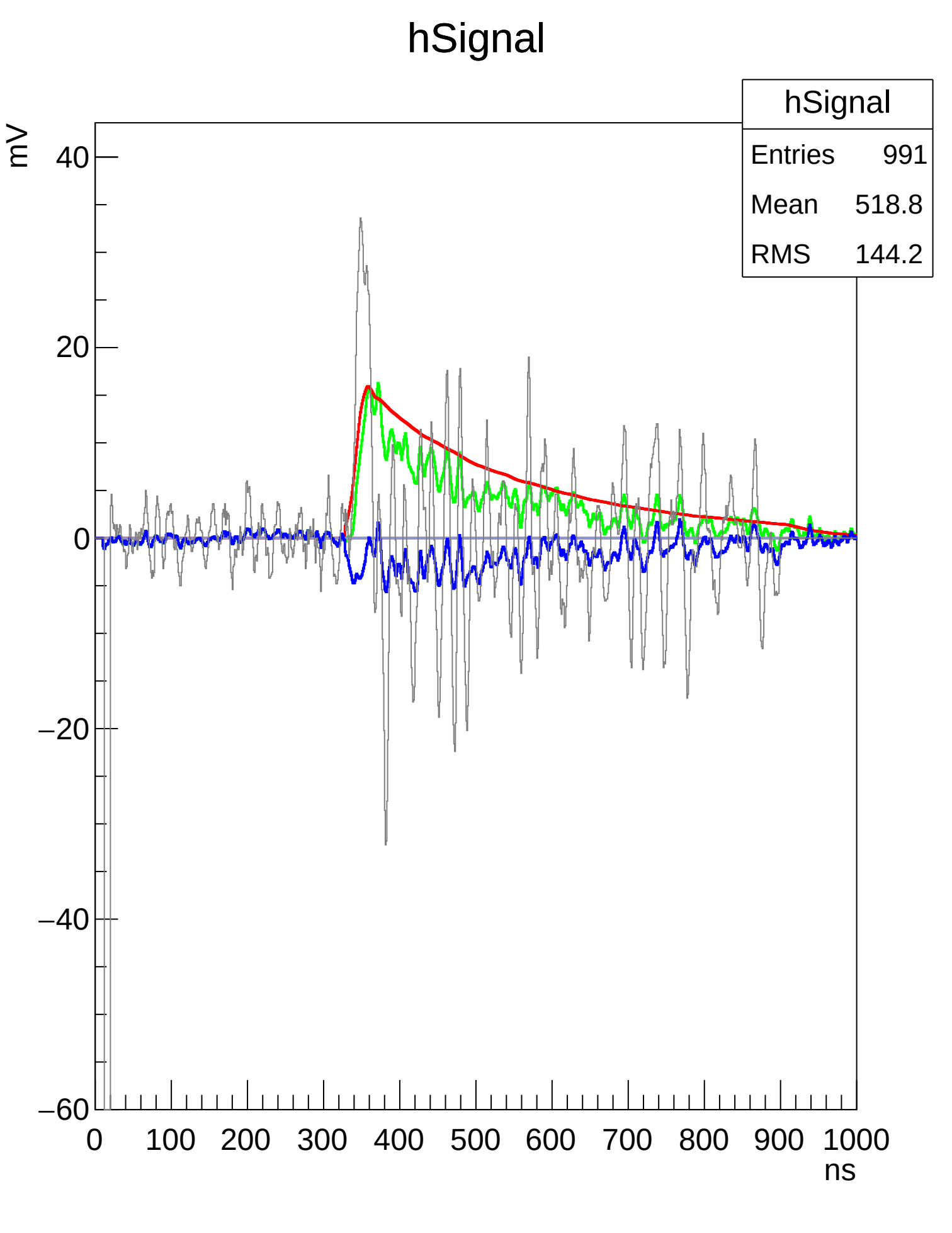
1000
ns


hSignal
hSignal
Entries 991
Mean 518.8
RMS 144.2
mV
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0
−20
−40
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0
100
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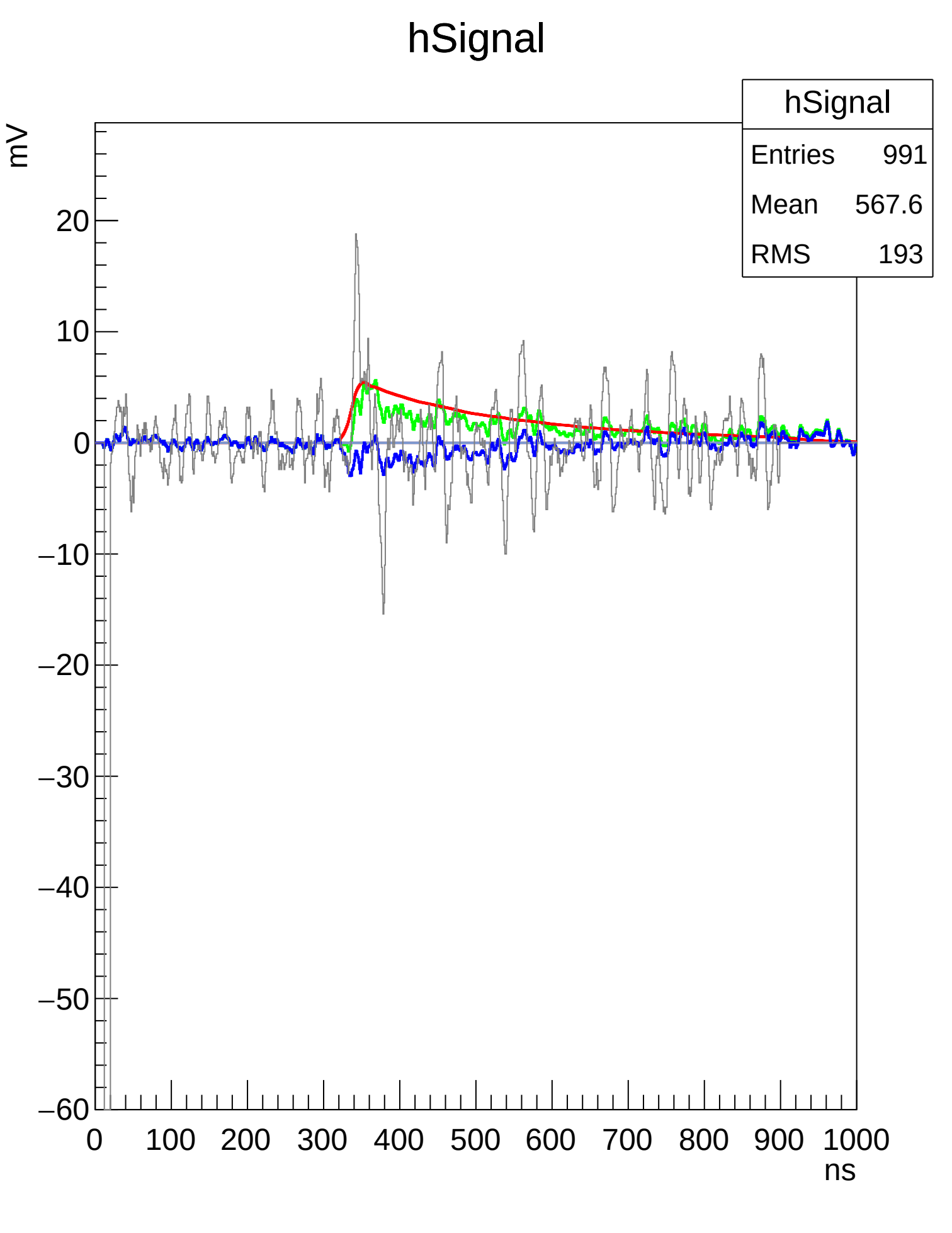
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.6
RMS 193
mV
20
10
0
−10
−20
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−40
−50
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0
100
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400
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800
900
1000
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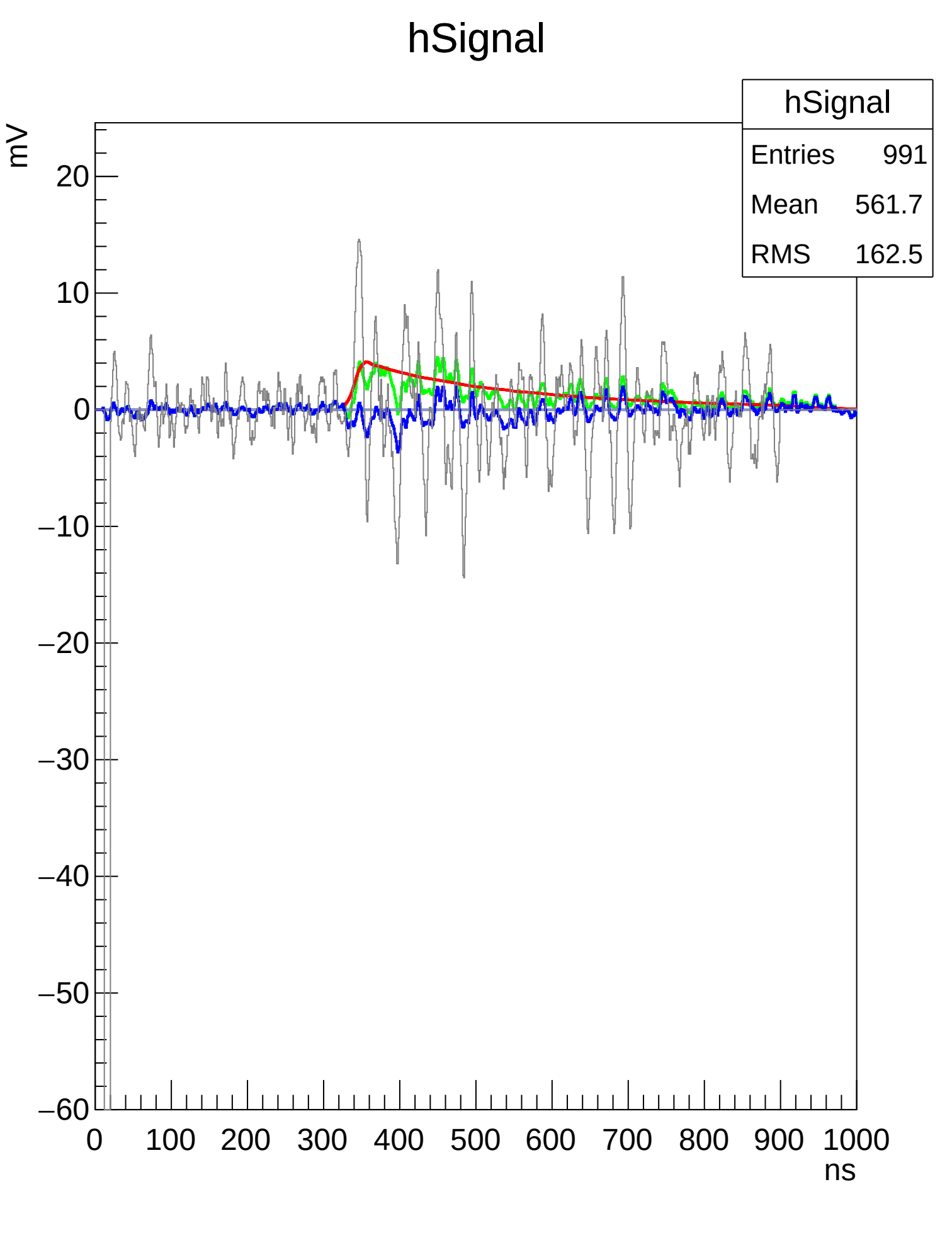
hSignal
hSignal
Entries 991
Mean 561.7
RMS 162.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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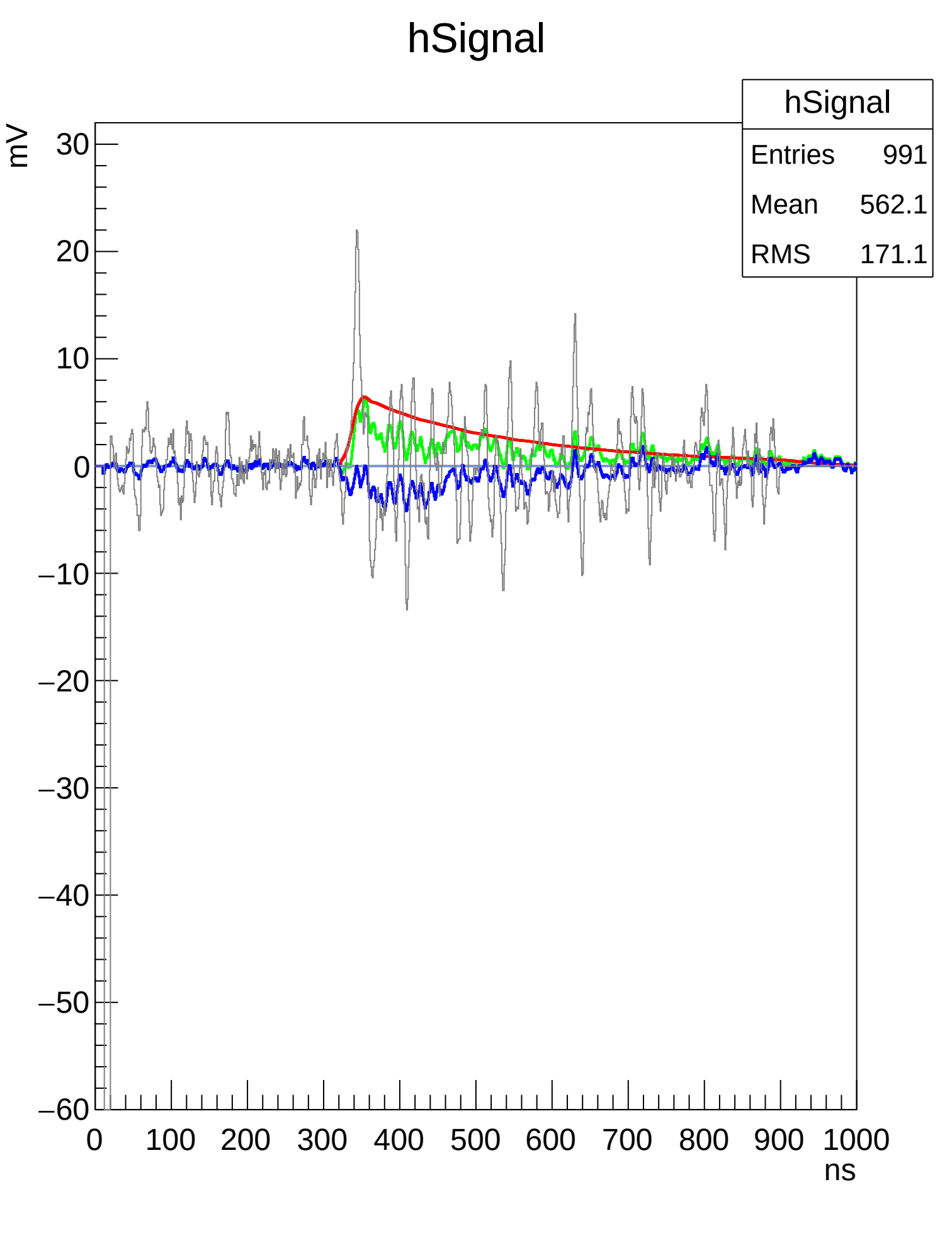
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.1
RMS 171.1
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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600
700
800
900
1000
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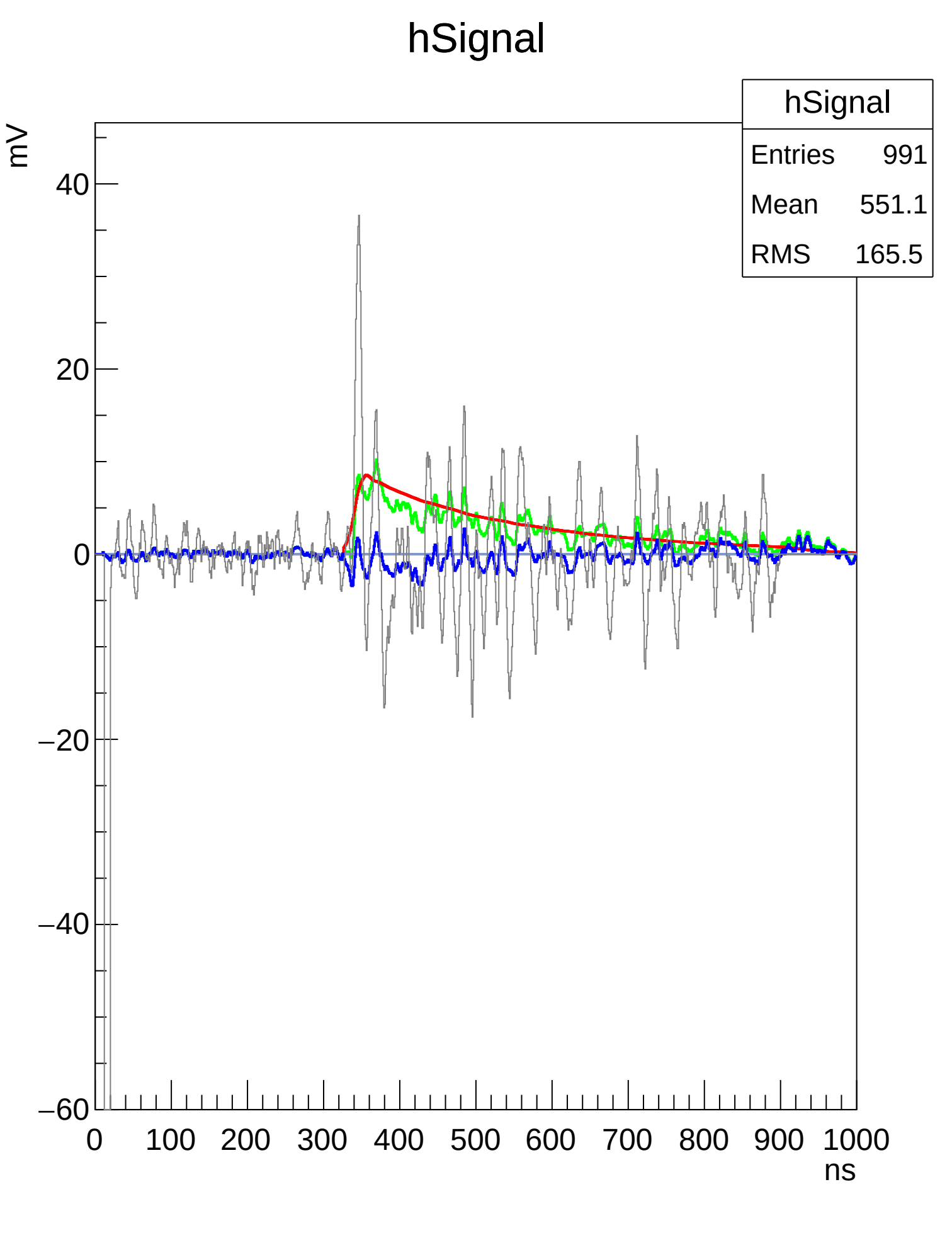
hSignal
hSignal
Entries 991
Mean 551.1
RMS 165.5
mV
40
20
0
−20
−40
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0
100
200
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400
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600
700
800
900
1000
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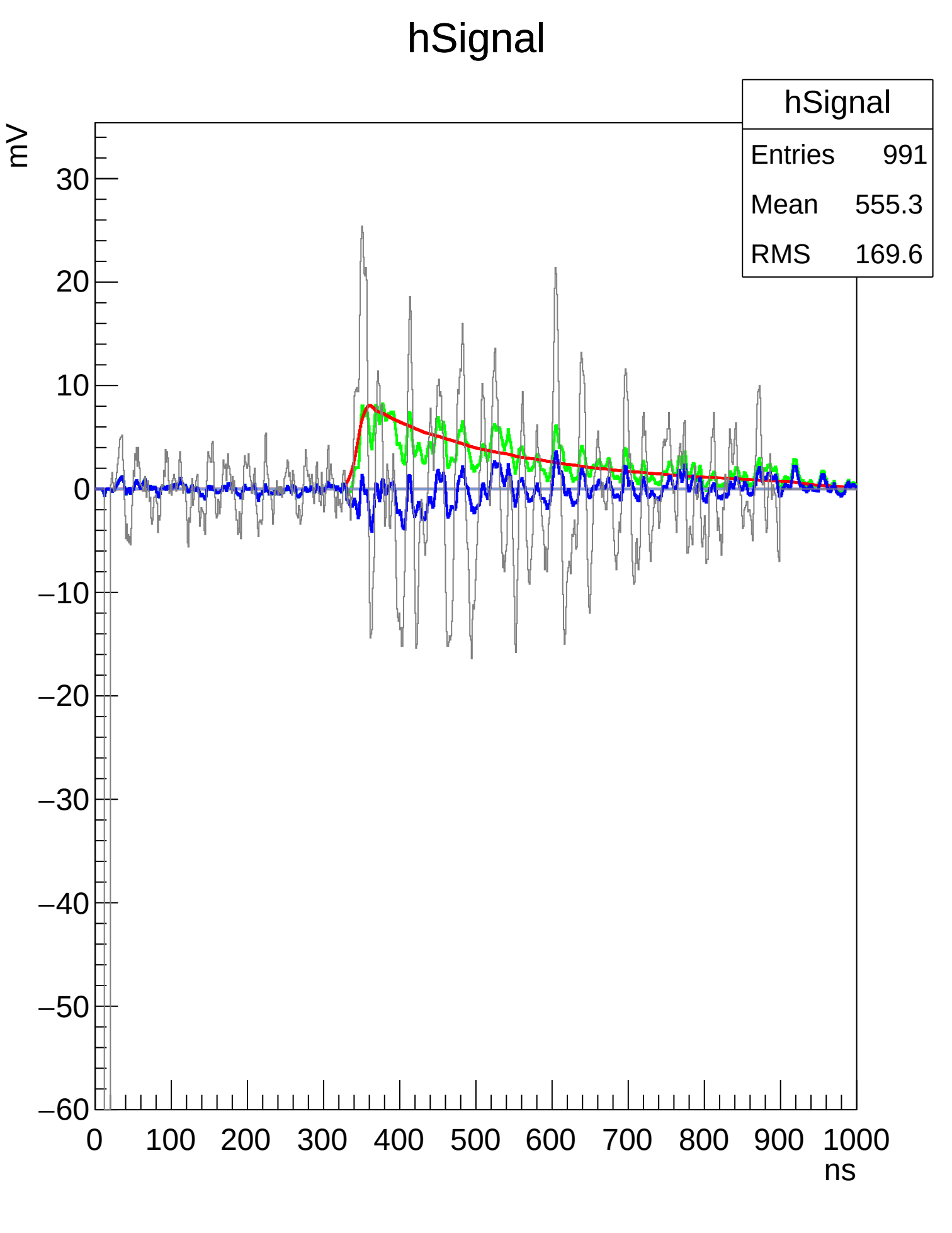
hSignal
hSignal
Entries 991
Mean 555.3
RMS 169.6
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
300
400
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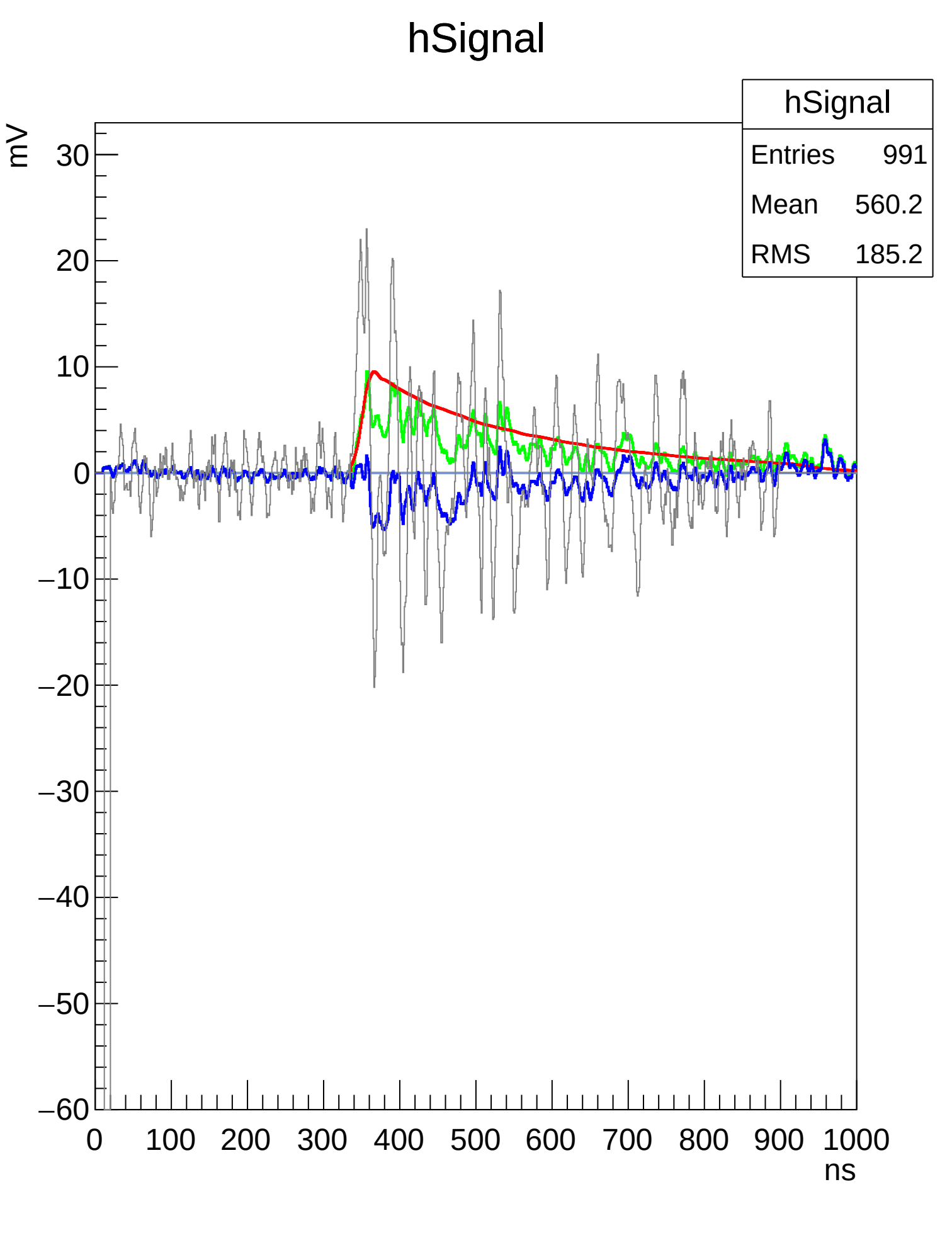
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.2
RMS 185.2
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
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400
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600
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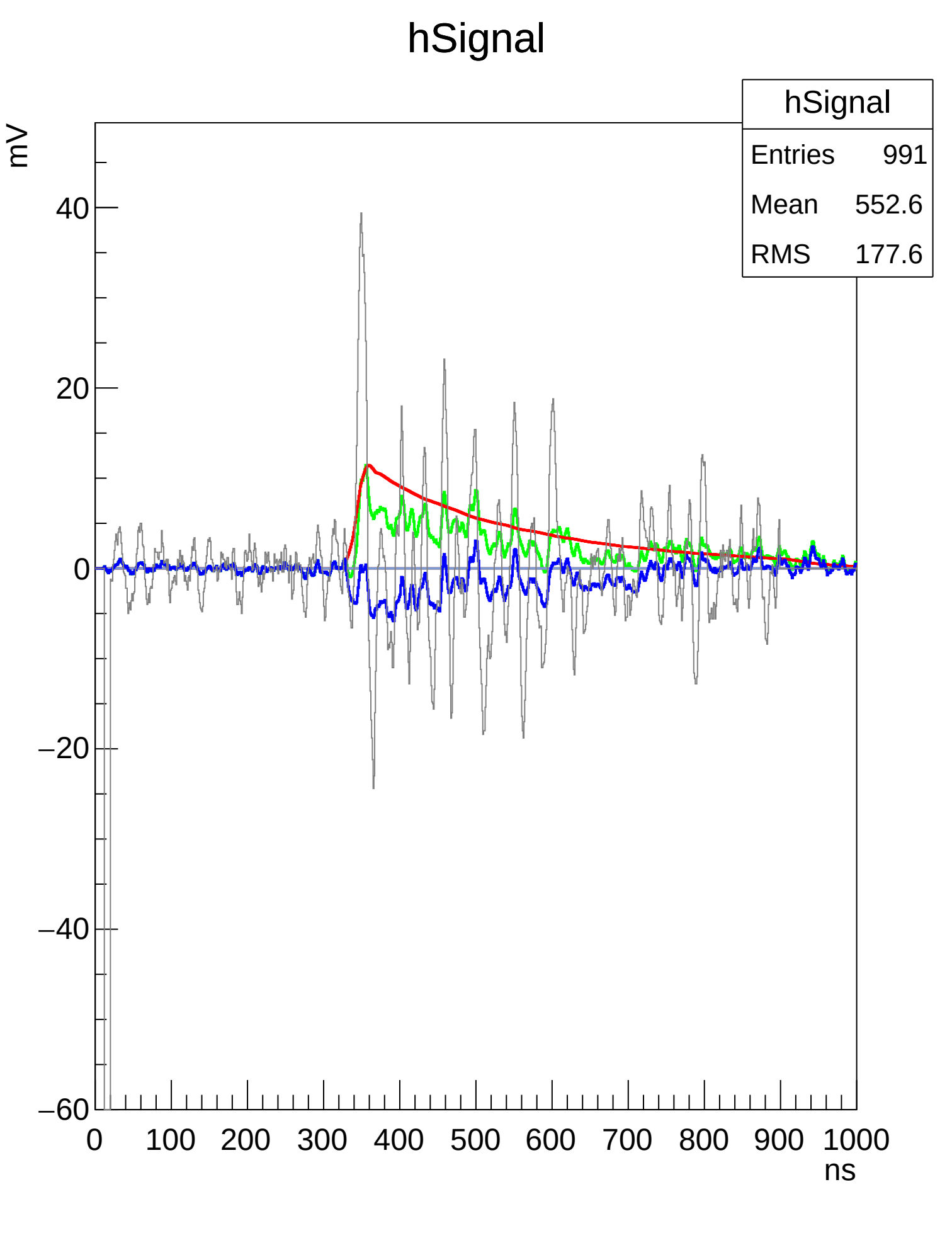
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.6
RMS 177.6
mV
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−20
−40
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0
100
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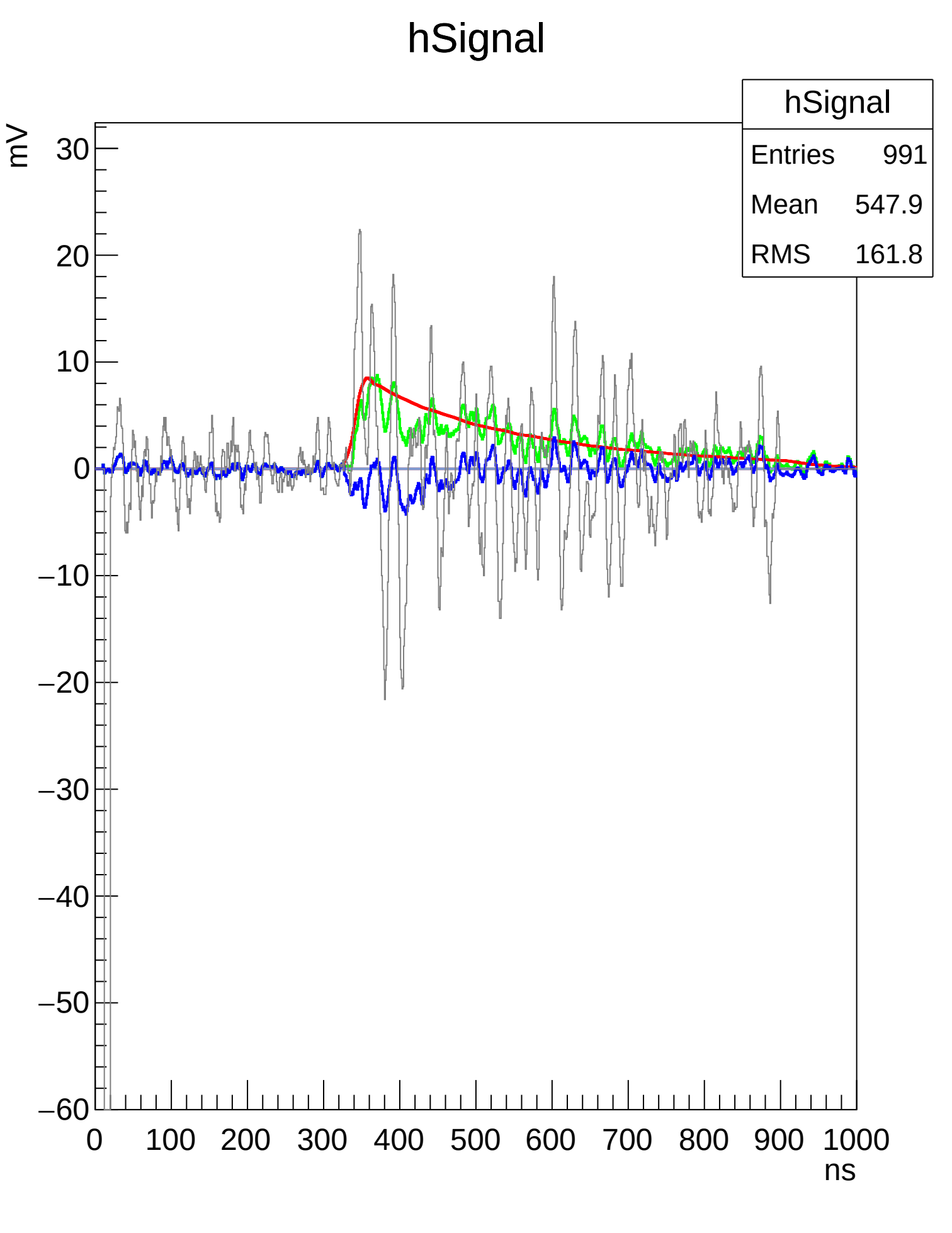
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.9
RMS 161.8
mV
30
20
10
0
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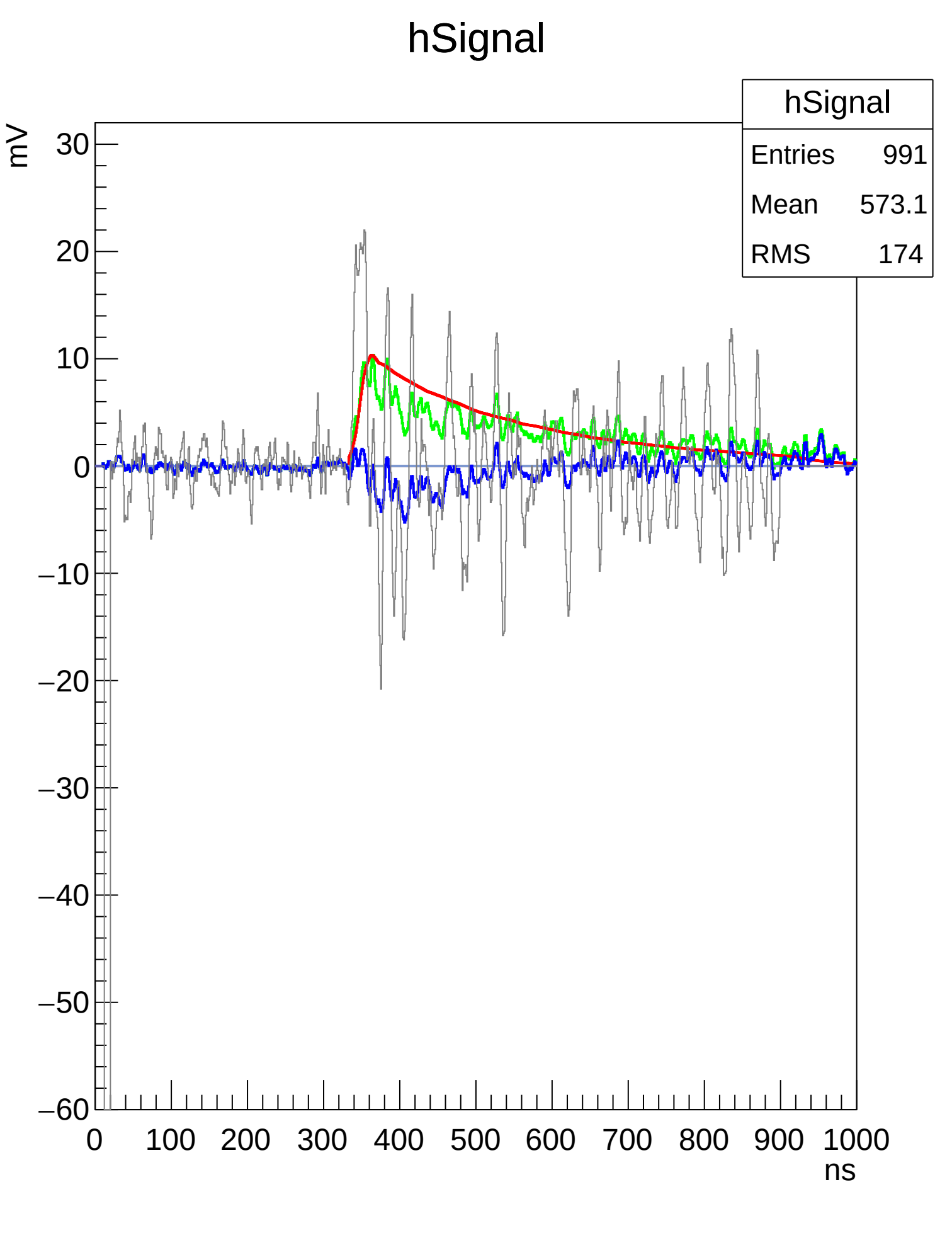
hSignal
hSignal
Entries 991
Mean 573.1
RMS 174
mV
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800
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1000
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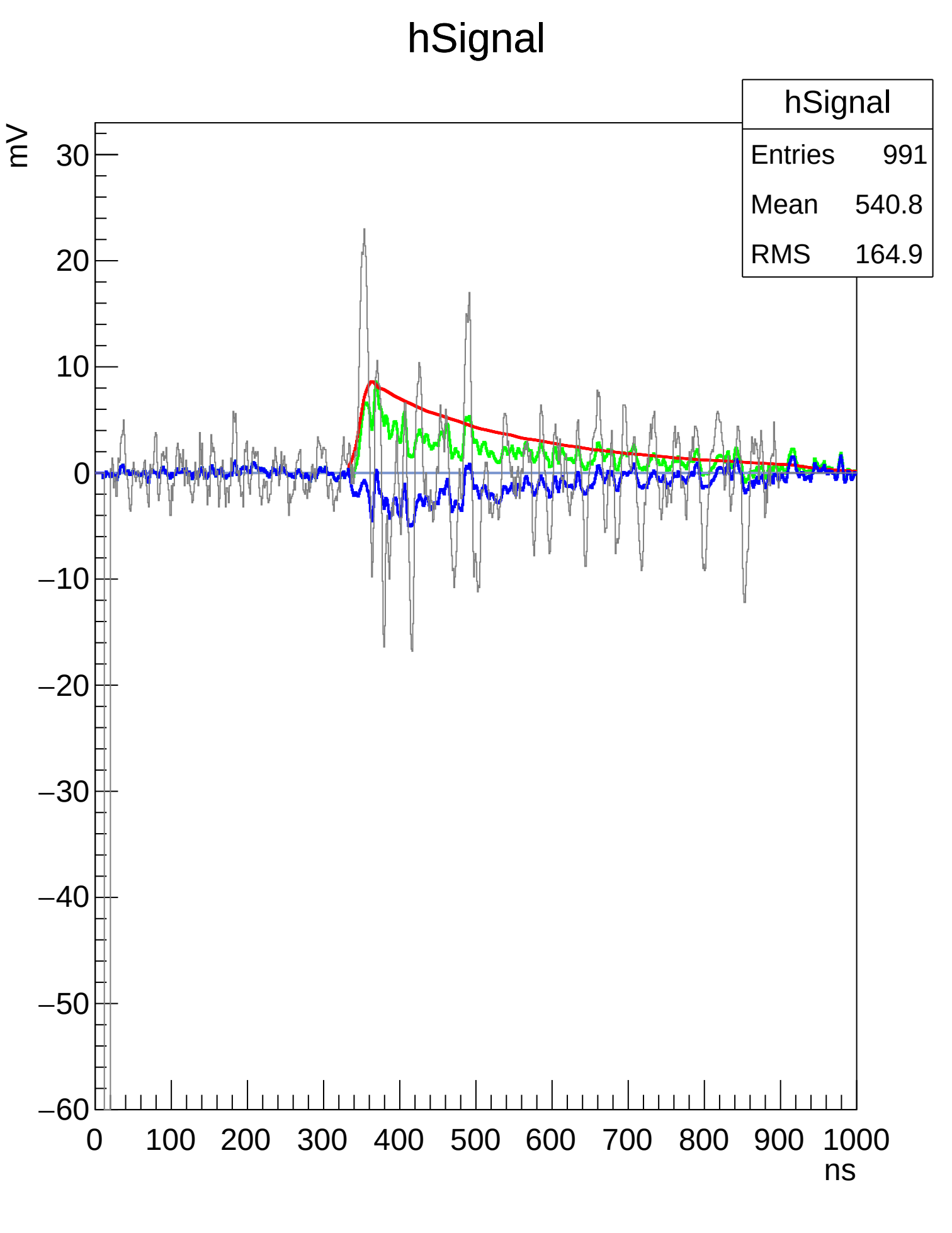
hSignal
hSignal
Entries 991
Mean 540.8
RMS 164.9
mV
30
20
10
0
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−40
−50
−60
0
100
200
300
400
500
600
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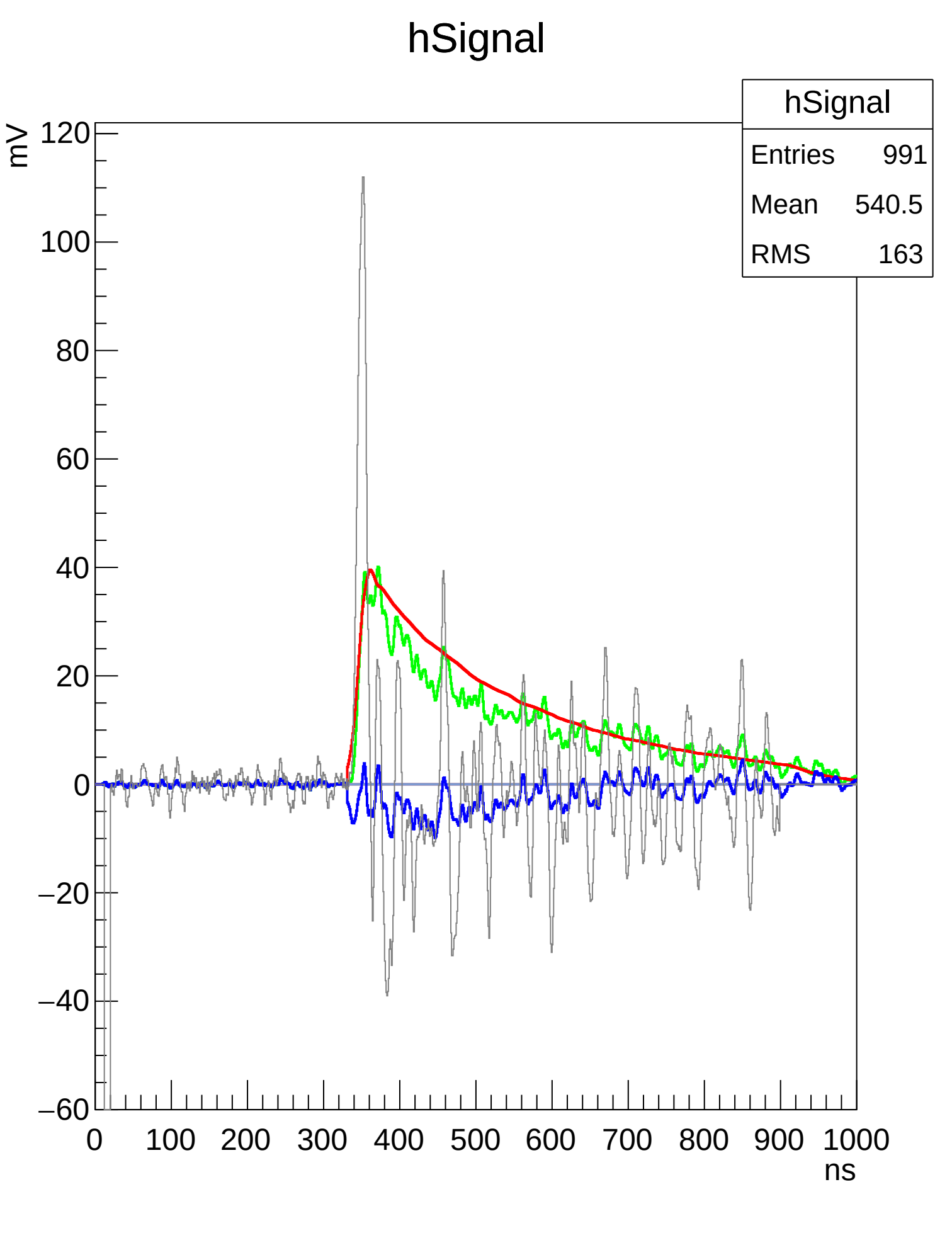
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.5
RMS 163
mV
120
100
80
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0
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200
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400
500
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800
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1000
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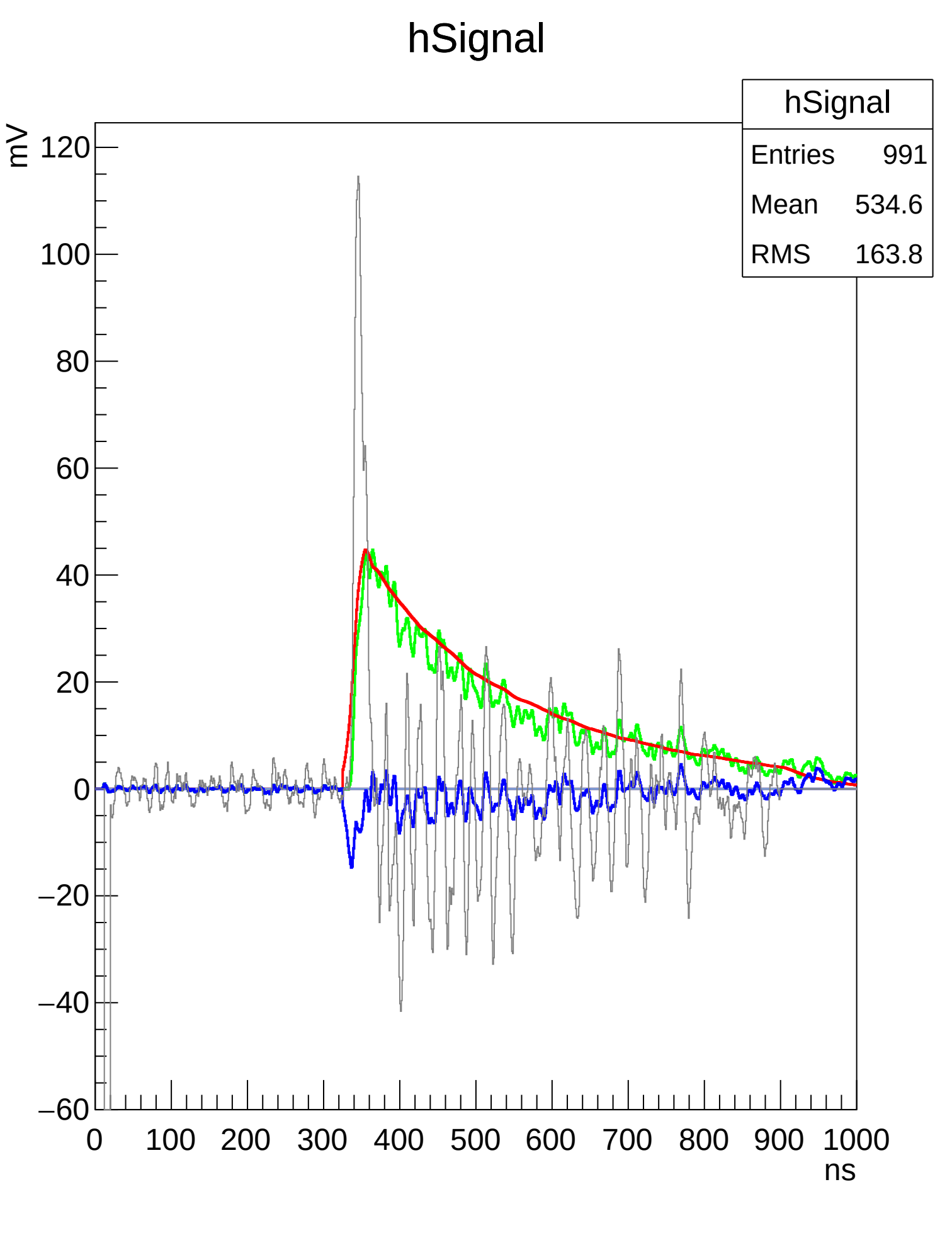
hSignal
hSignal
Entries 991
Mean 534.6
RMS 163.8
mV
120
100
80
60
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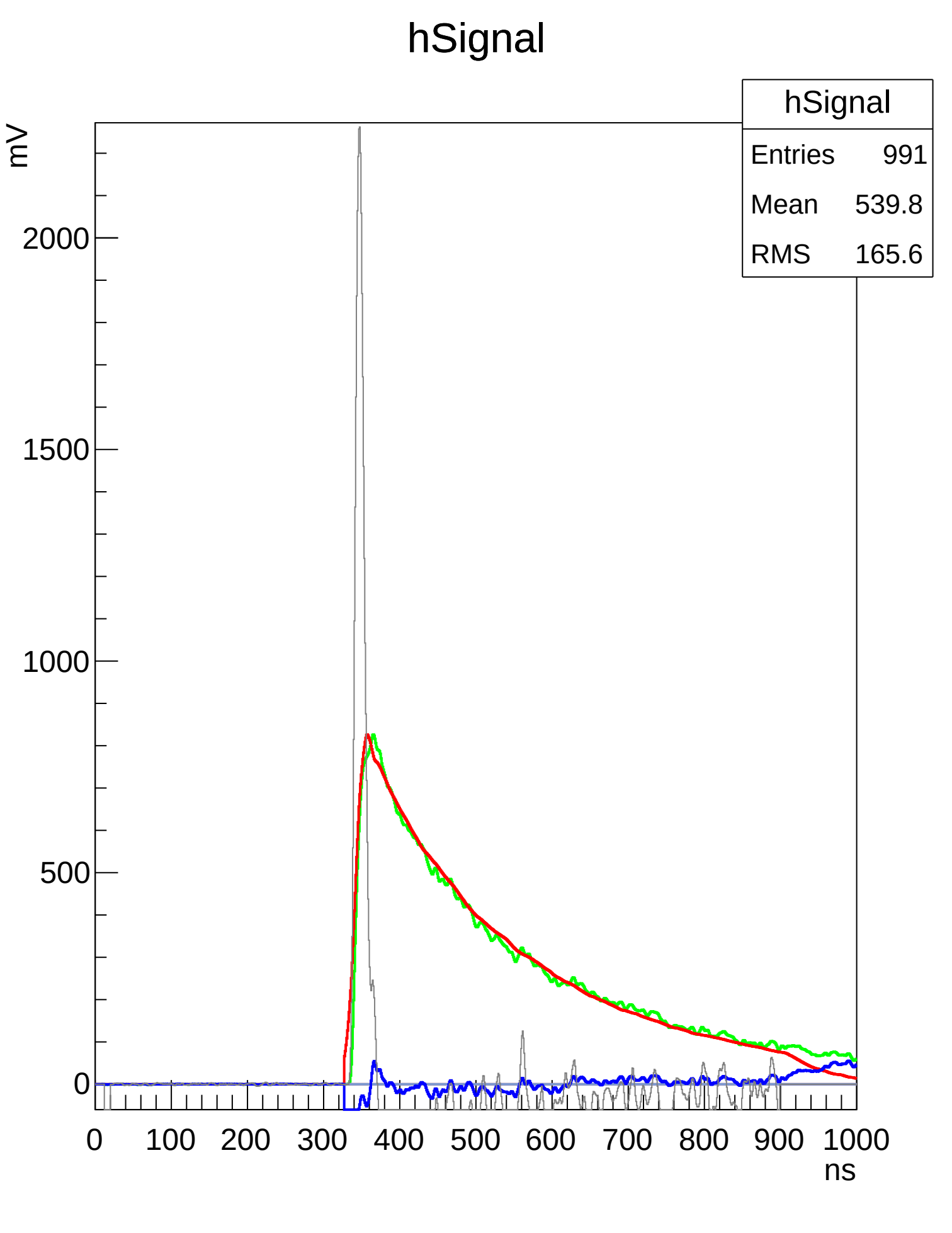
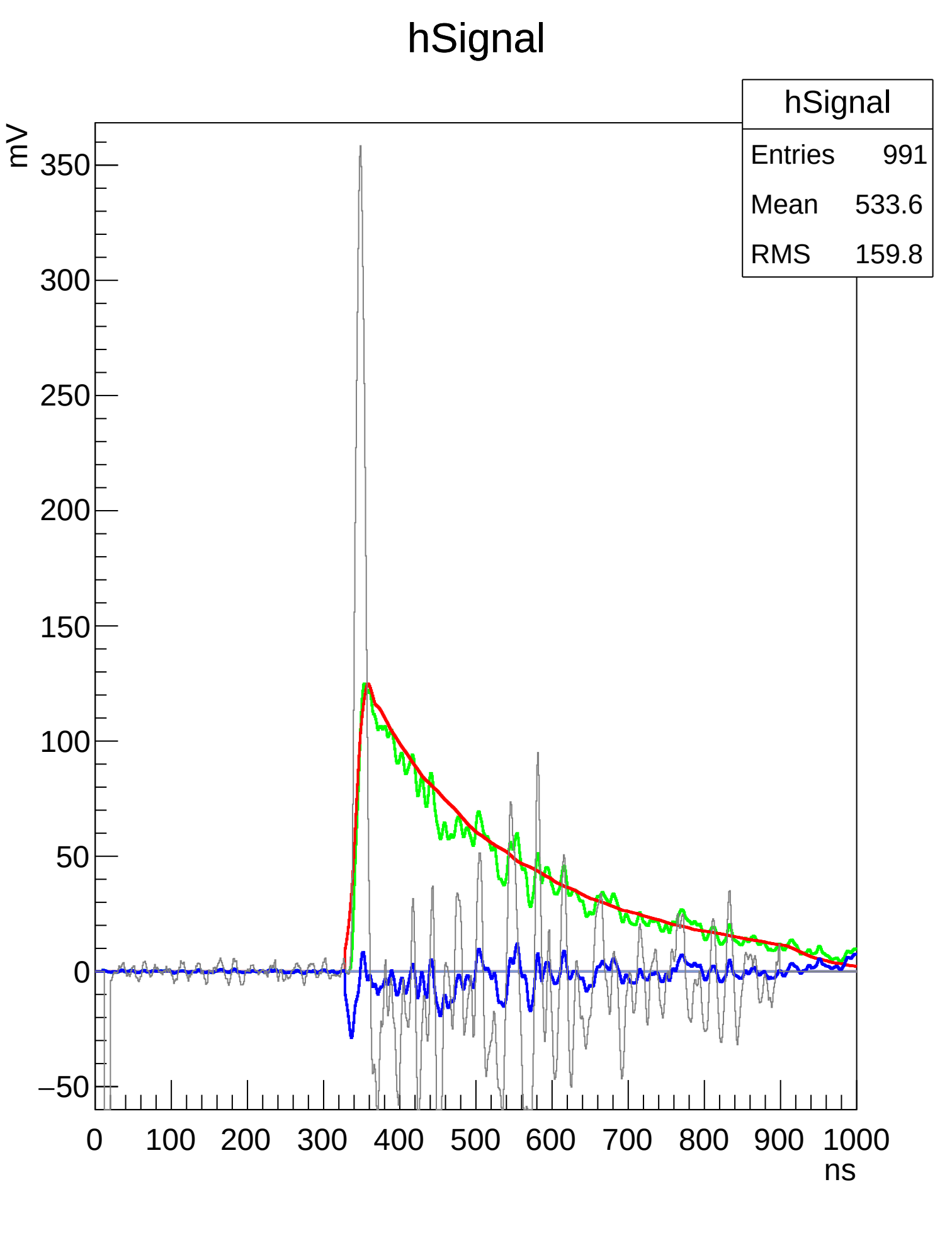
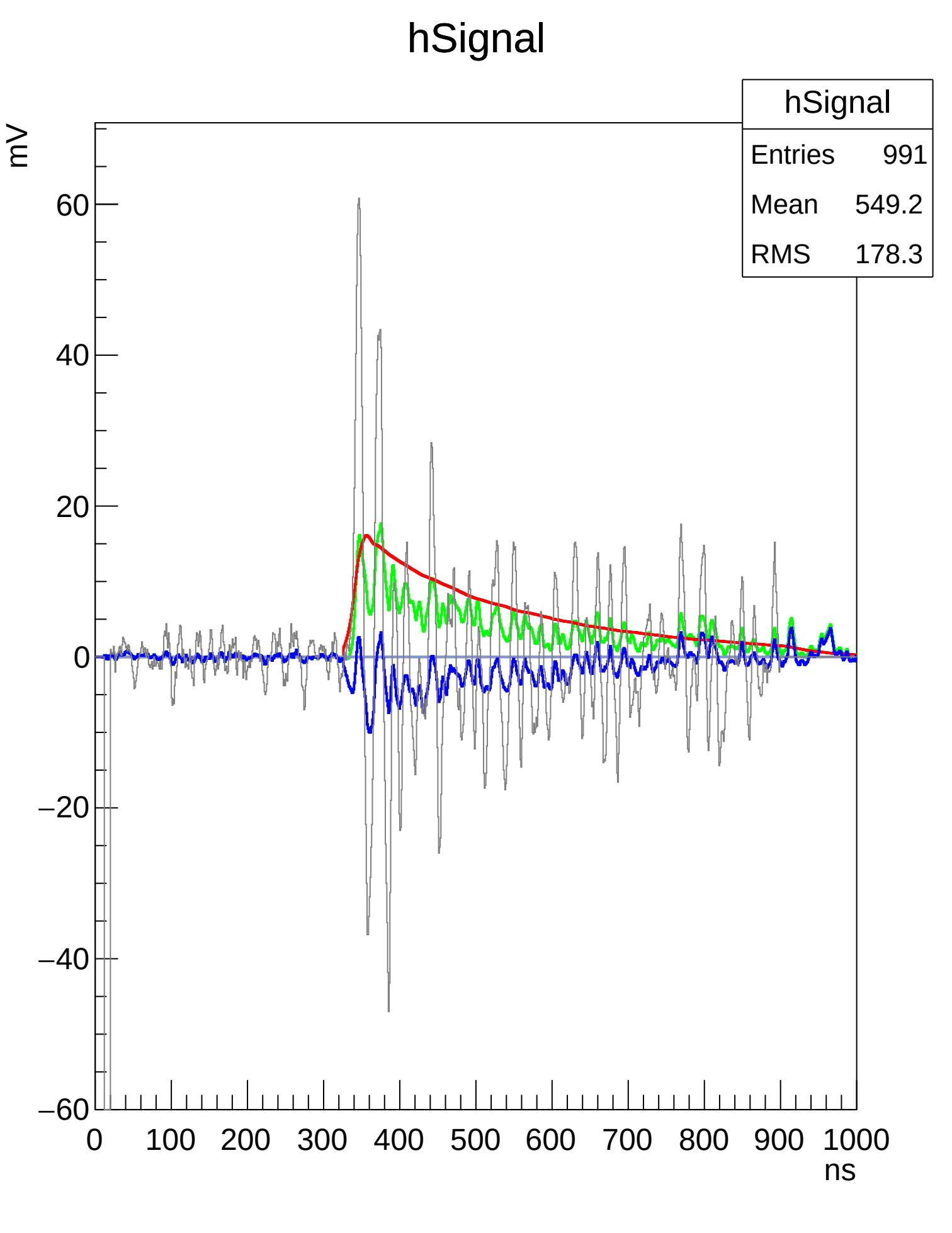
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.8
RMS 165.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 533.6
RMS 159.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.2
RMS 178.3
mV
60
40
20
0
−20
−40
−60
0
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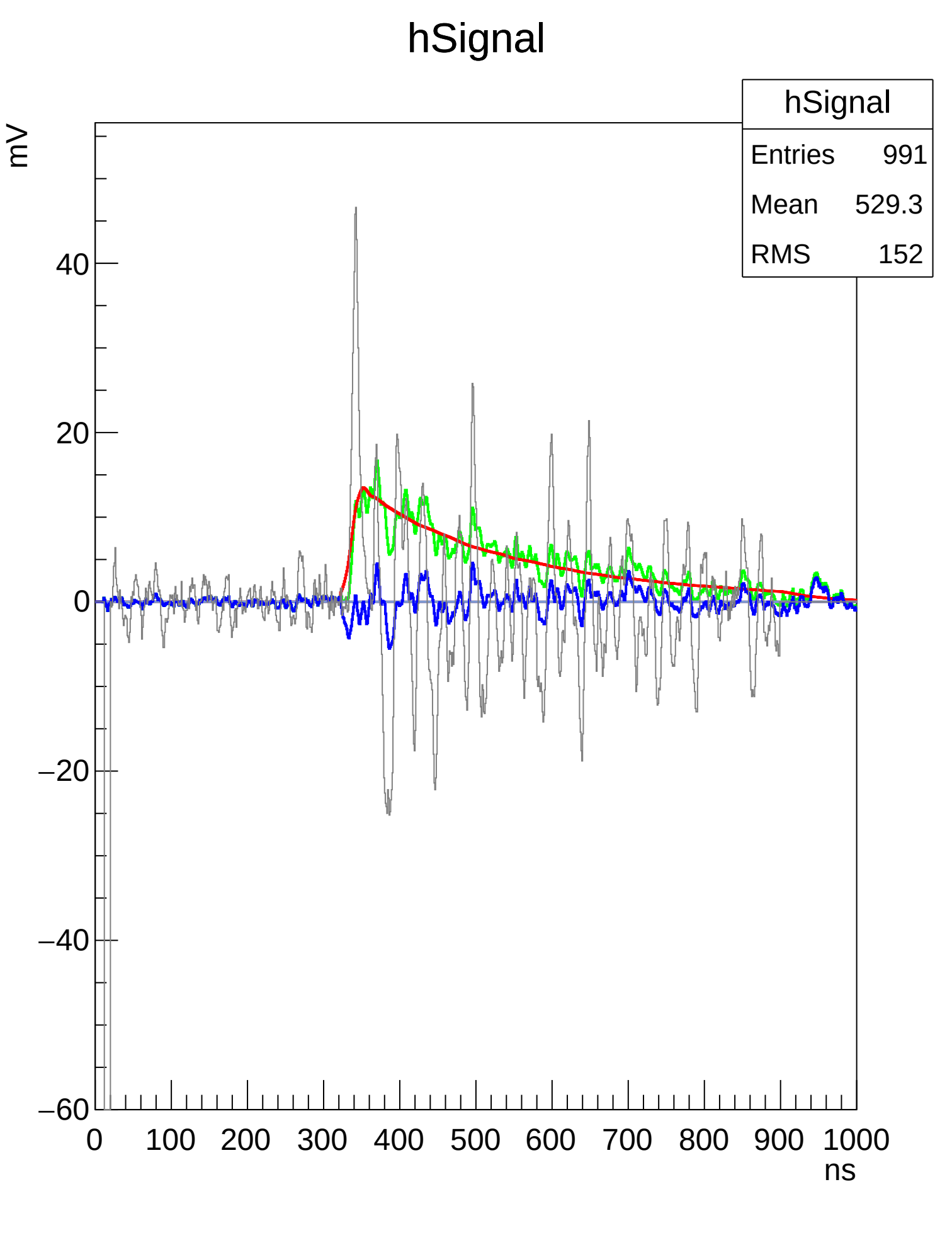
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.3
RMS 152
mV
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−20
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100
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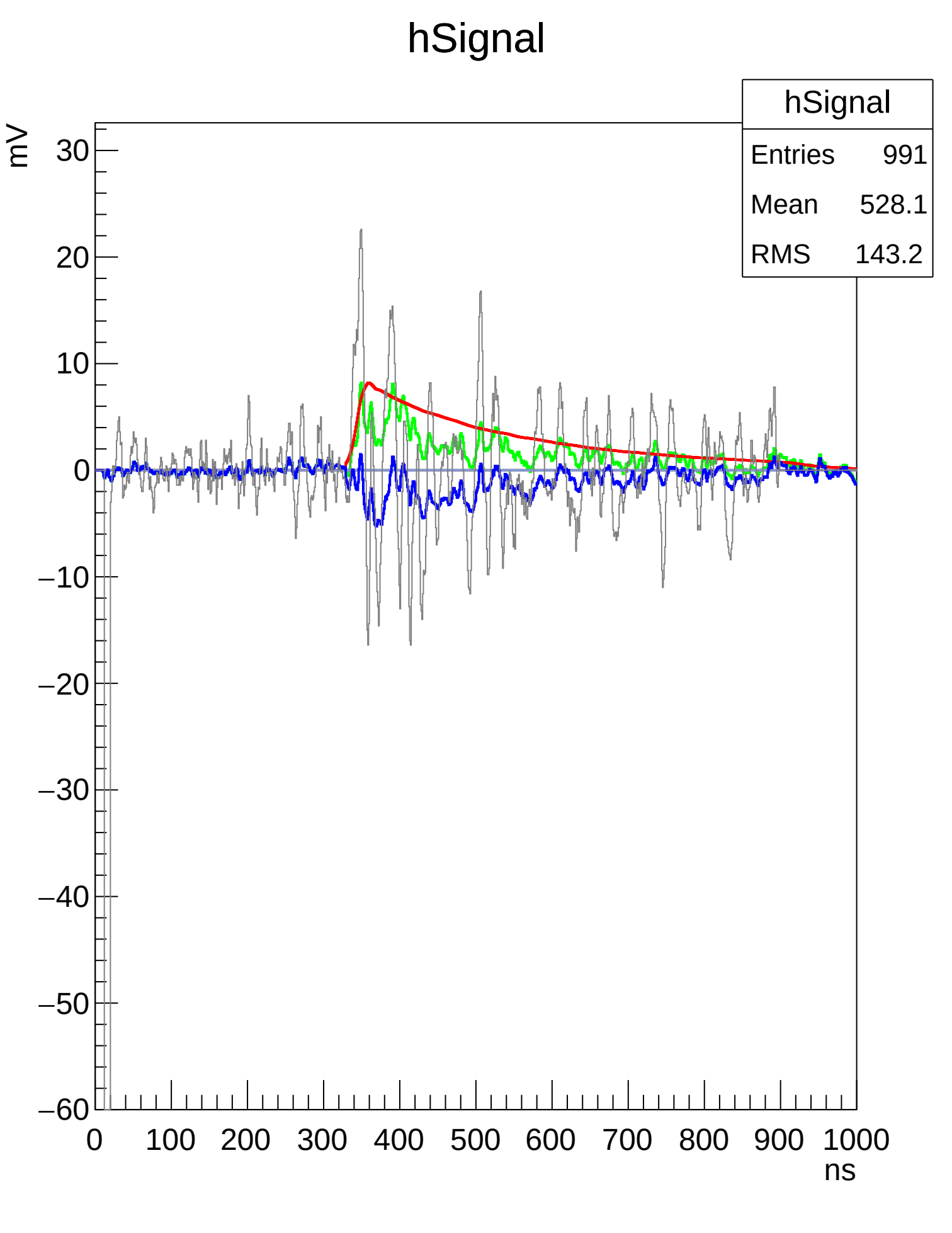
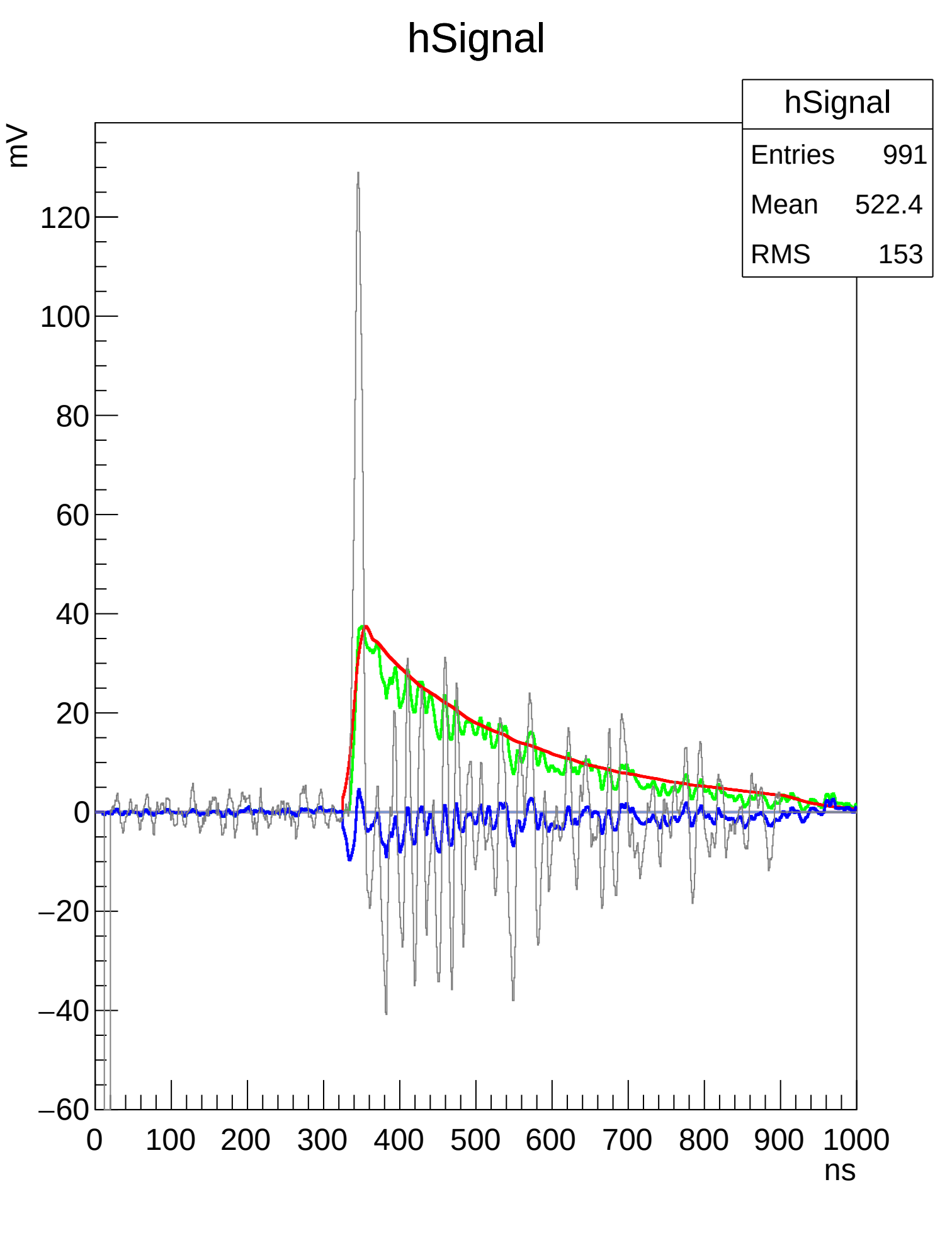
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.1
RMS 143.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.4
RMS 153
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
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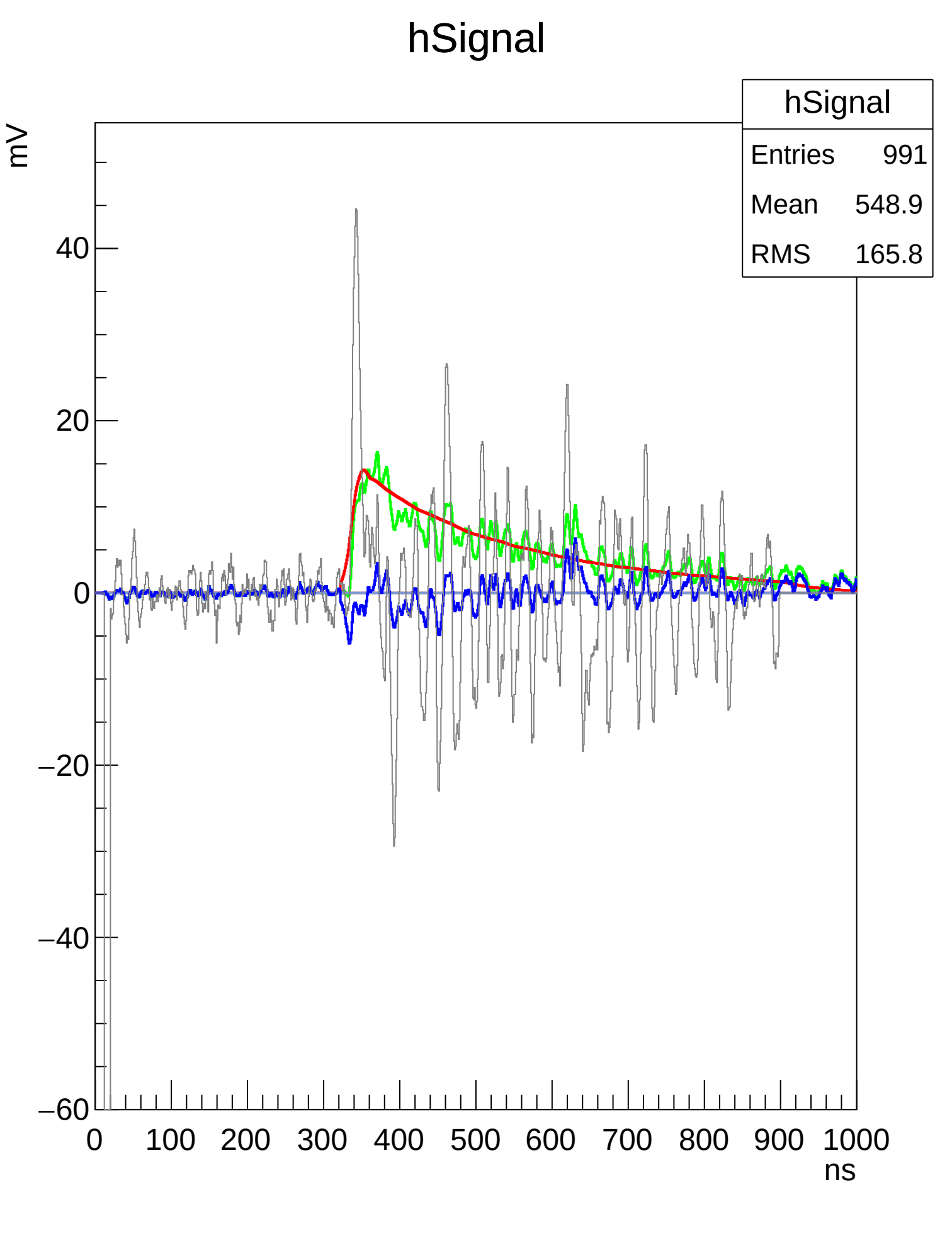
hSignal
hSignal
Entries 991
Mean 548.9
RMS 165.8
mV
40
20
0
−20
−40
−60
0
100
200
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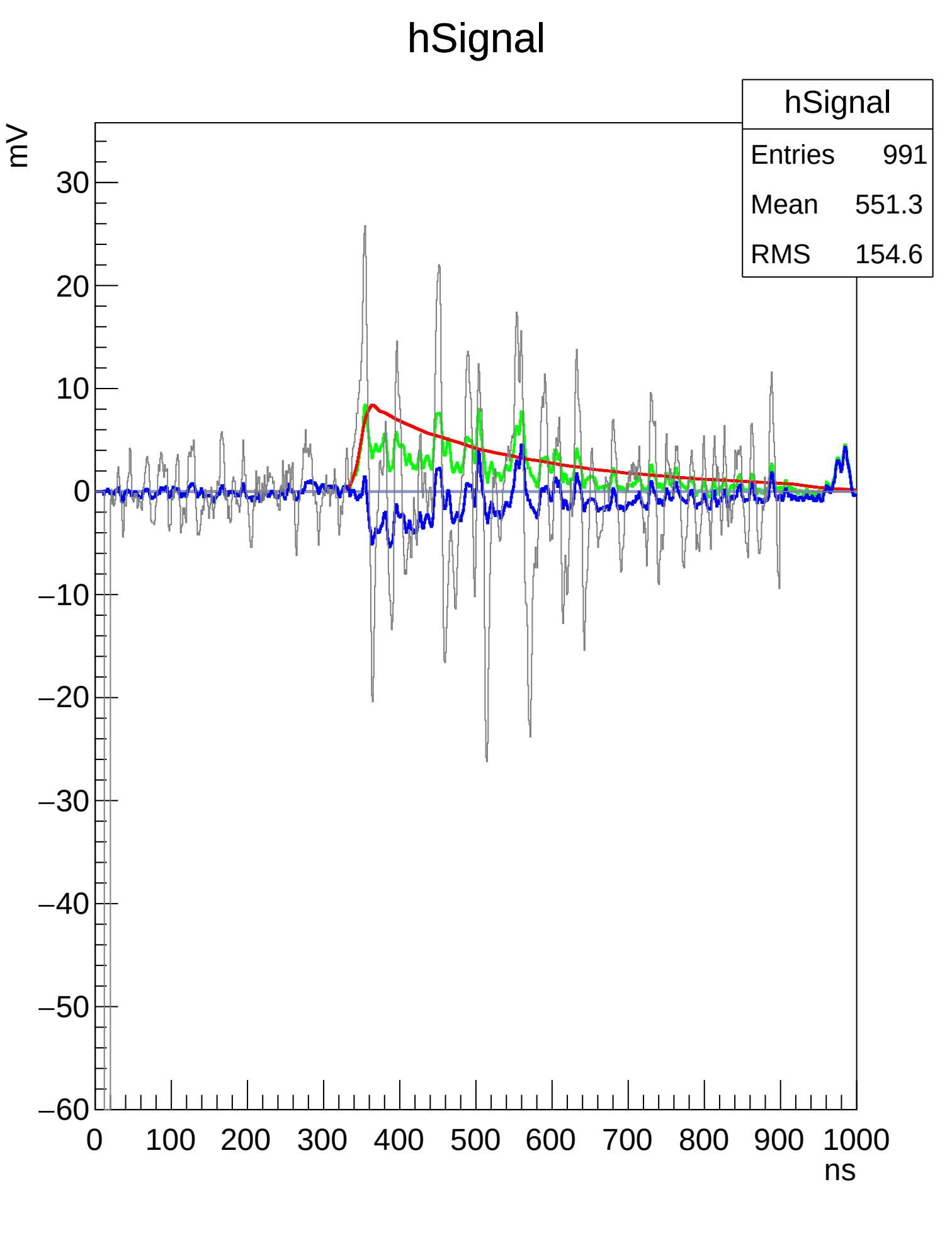
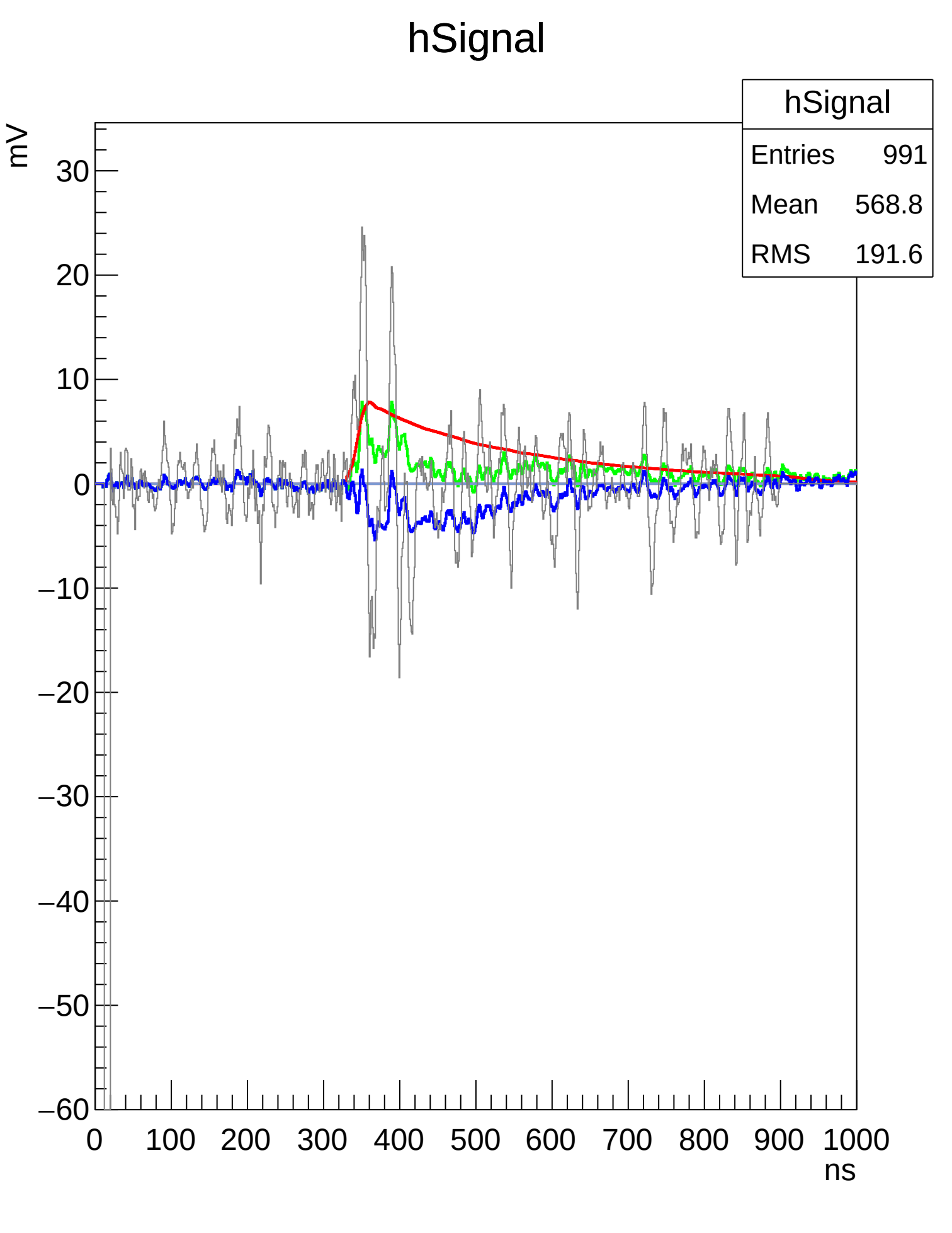
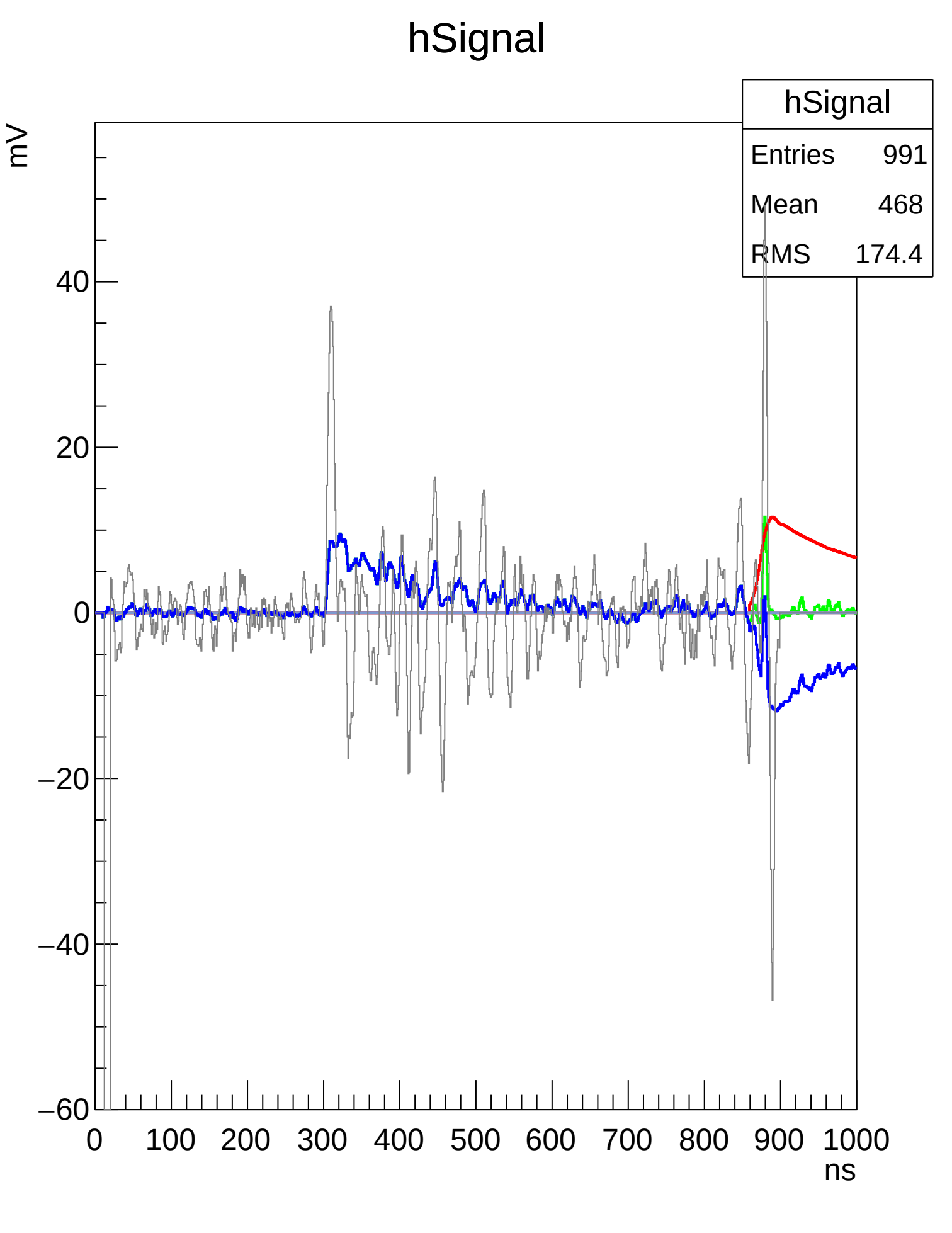
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.3
RMS 154.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.8
RMS 191.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 468
RMS 174.4
mV
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20
0
−20
−40
−60
0
100
200
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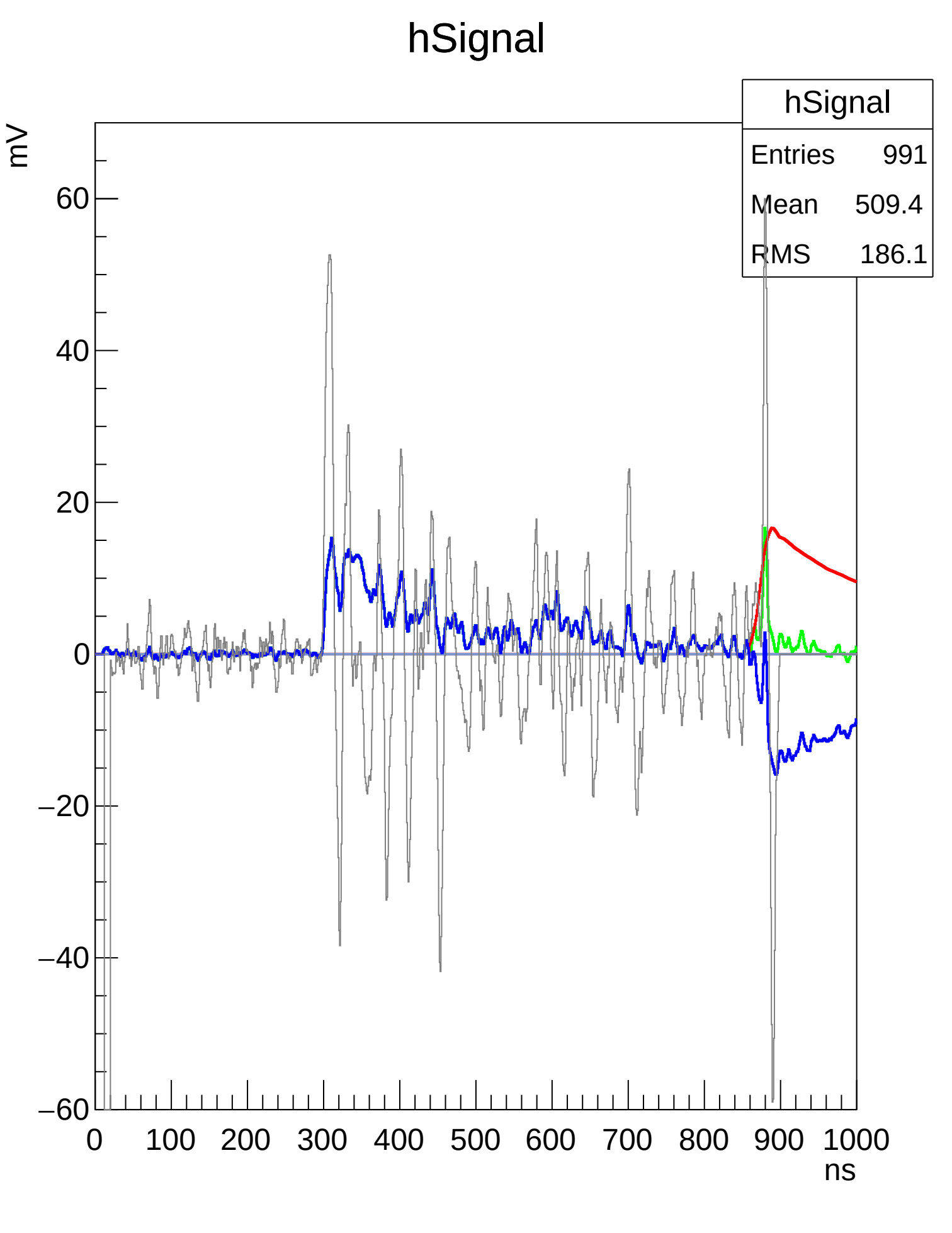
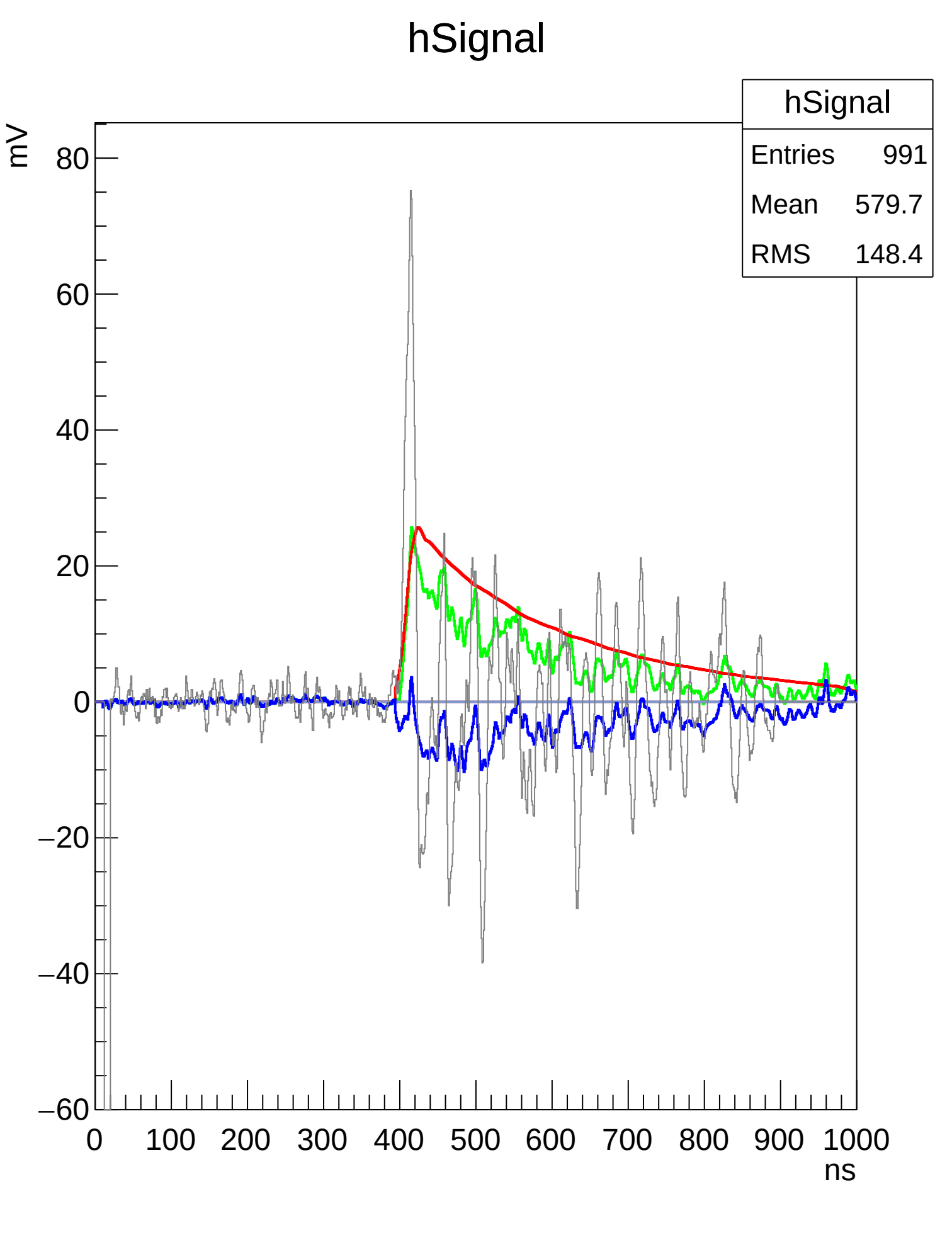
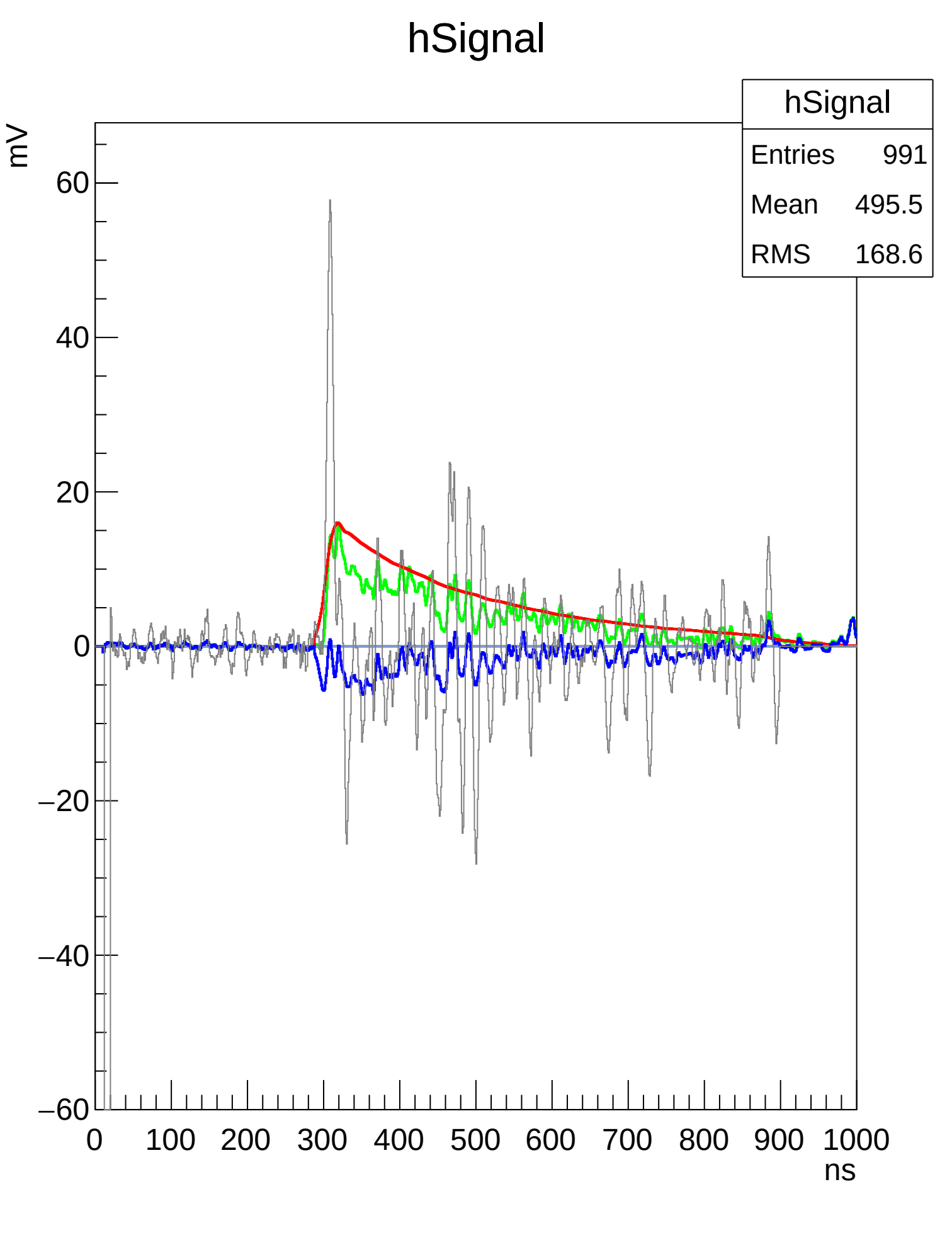
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509.4
RMS 186.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.7
RMS 148.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.5
RMS 168.6
mV
60
40
20
0
−20
−40
−60
0
100
200
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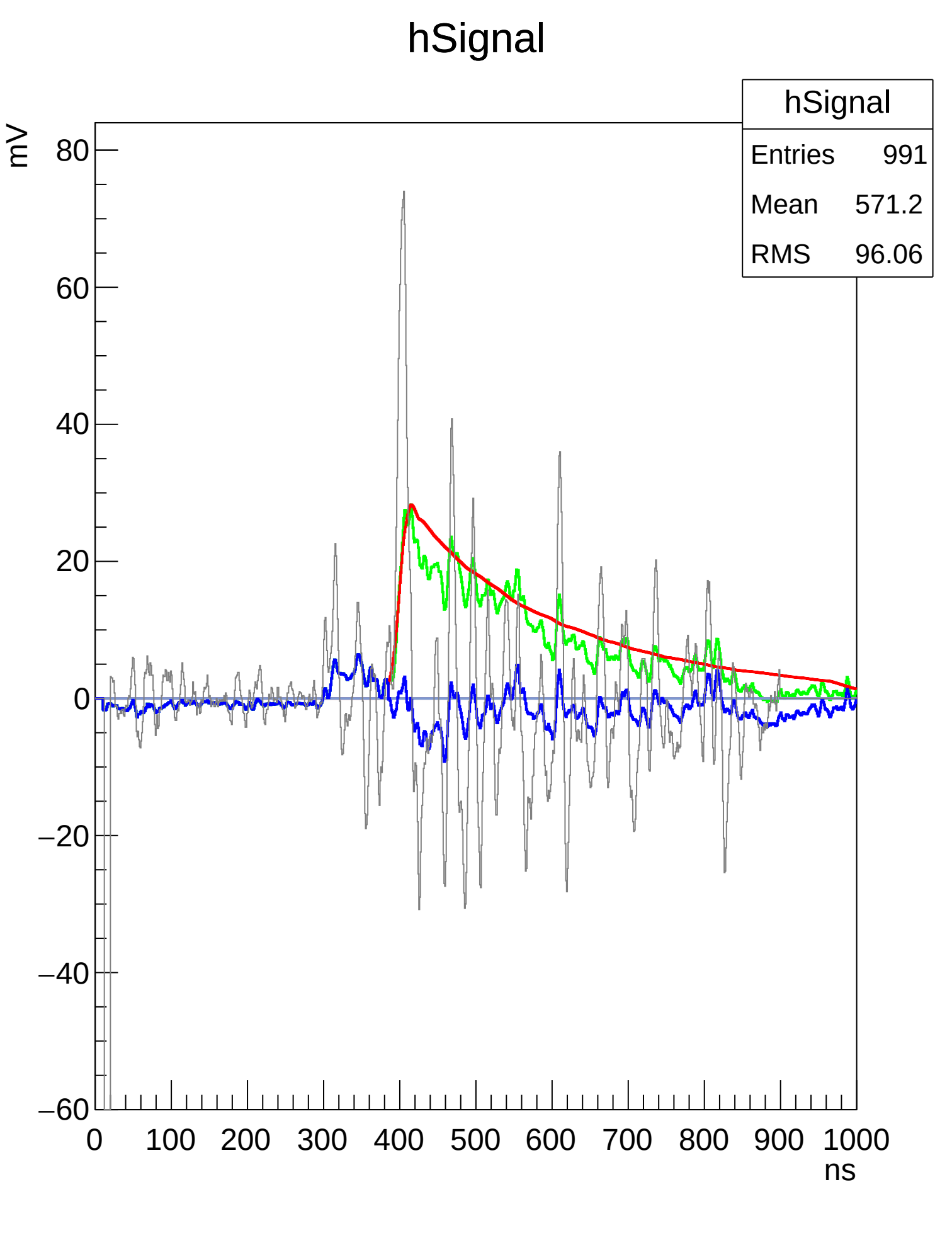
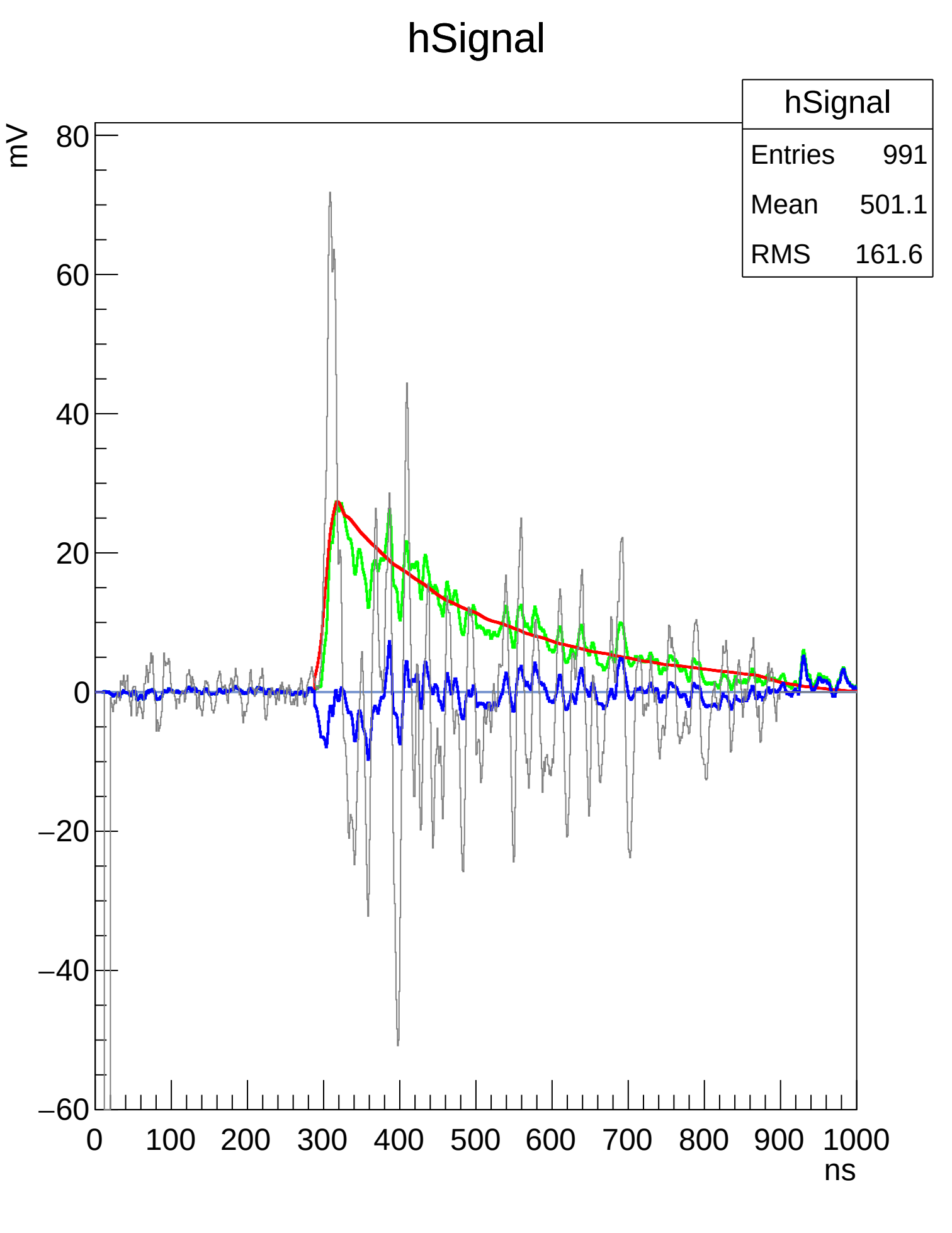
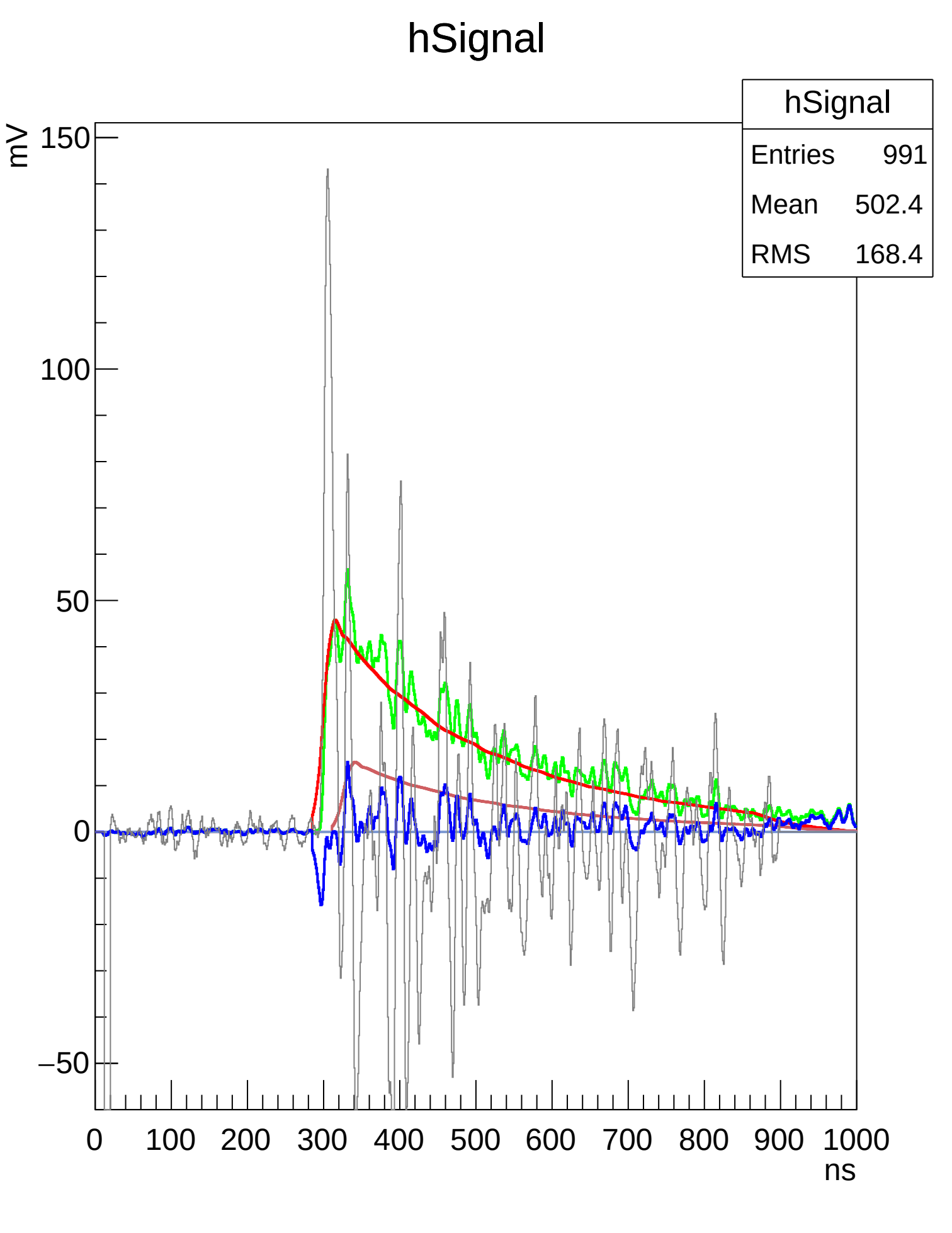
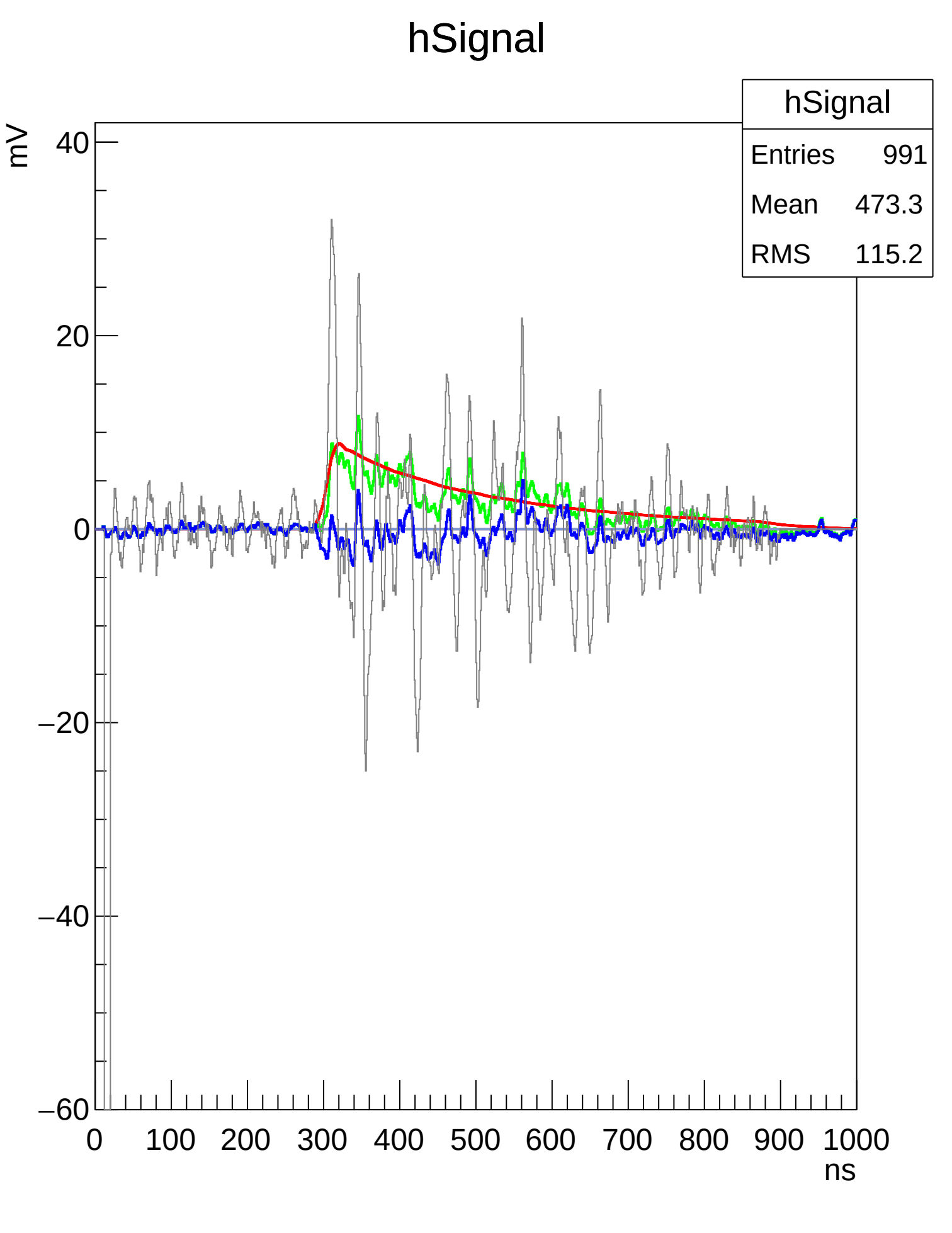
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.2
RMS 96.06
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.1
RMS 161.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.4
RMS 168.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 473.3
RMS 115.2
mV
40
20
0
−20
−40
−60
0
100
200
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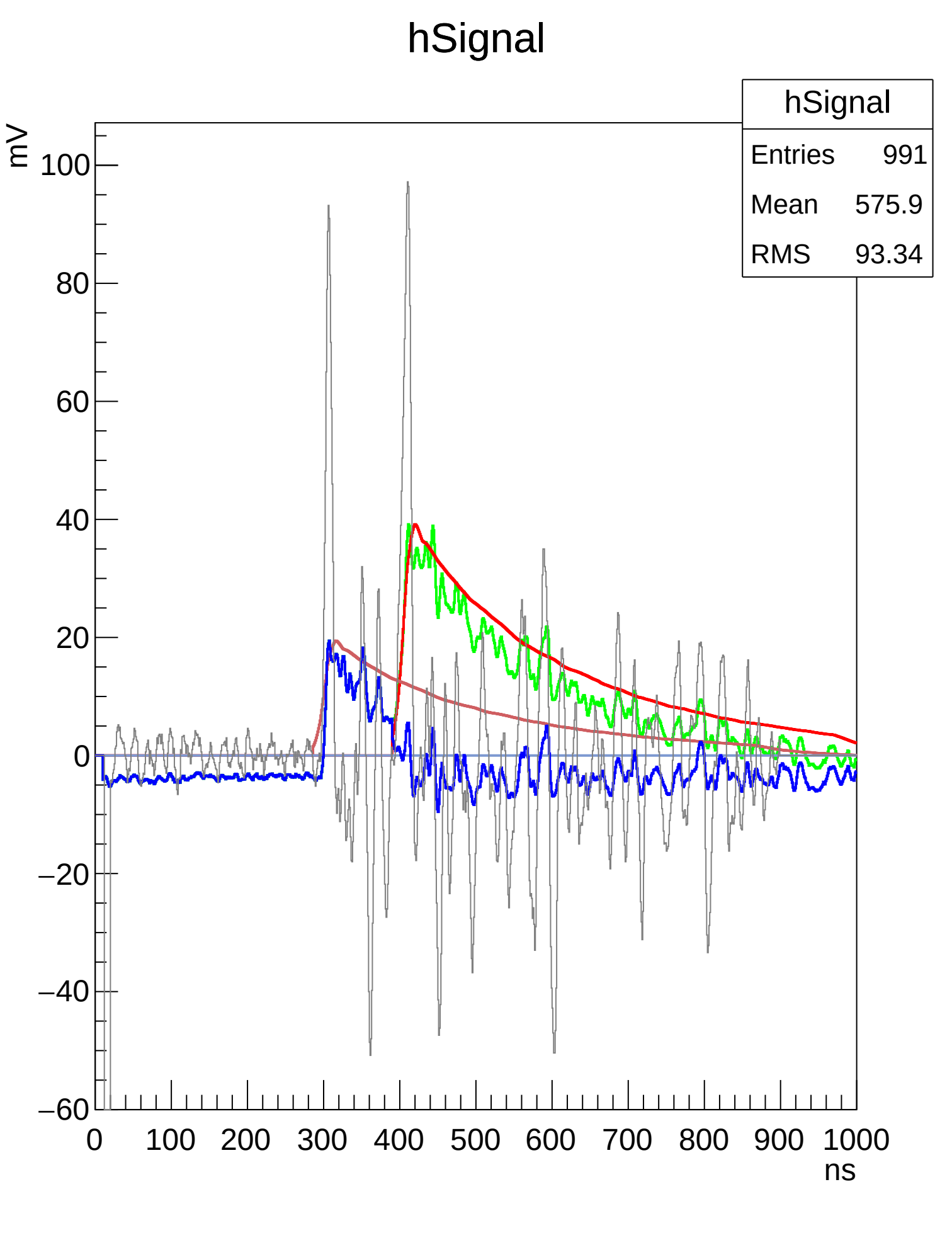
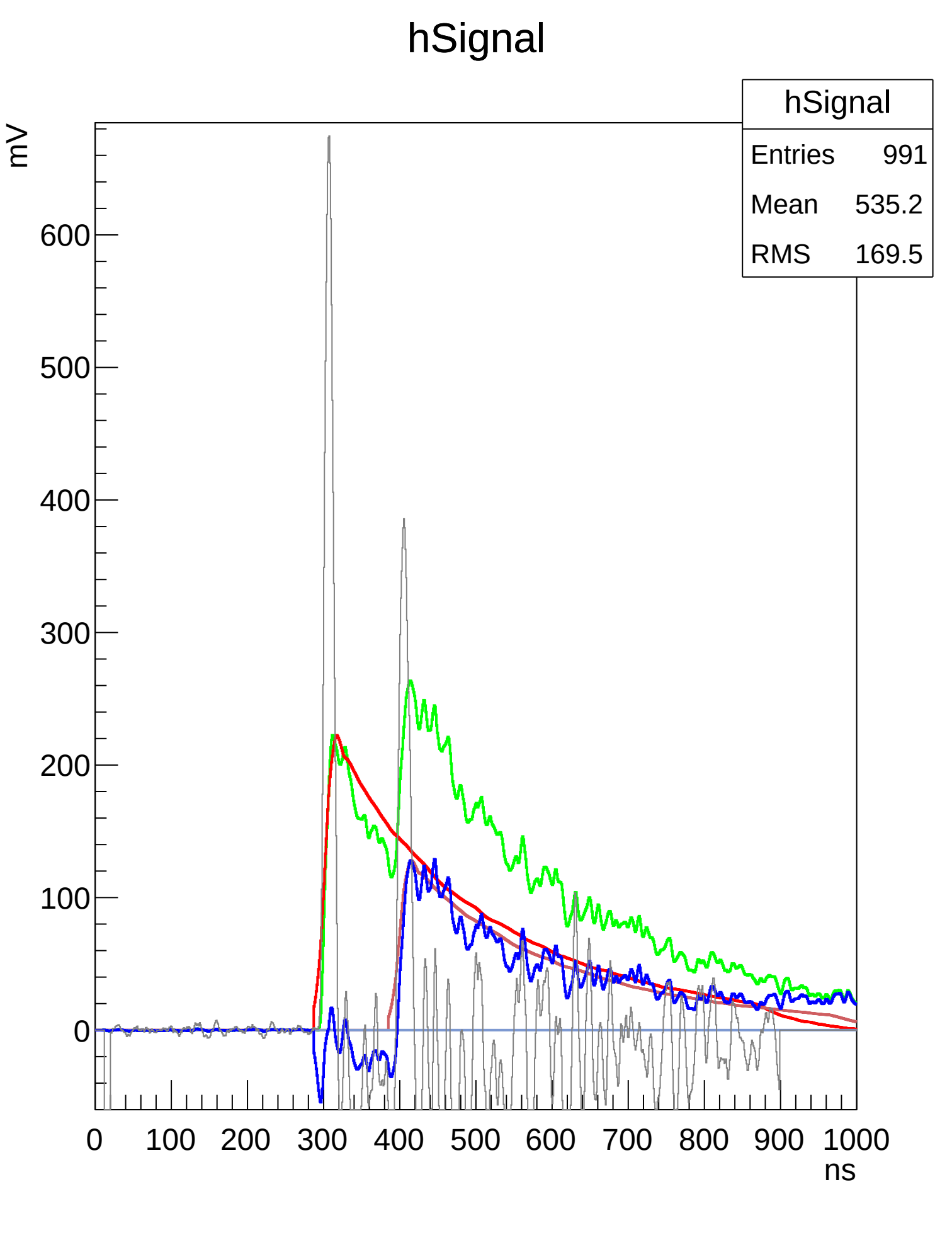
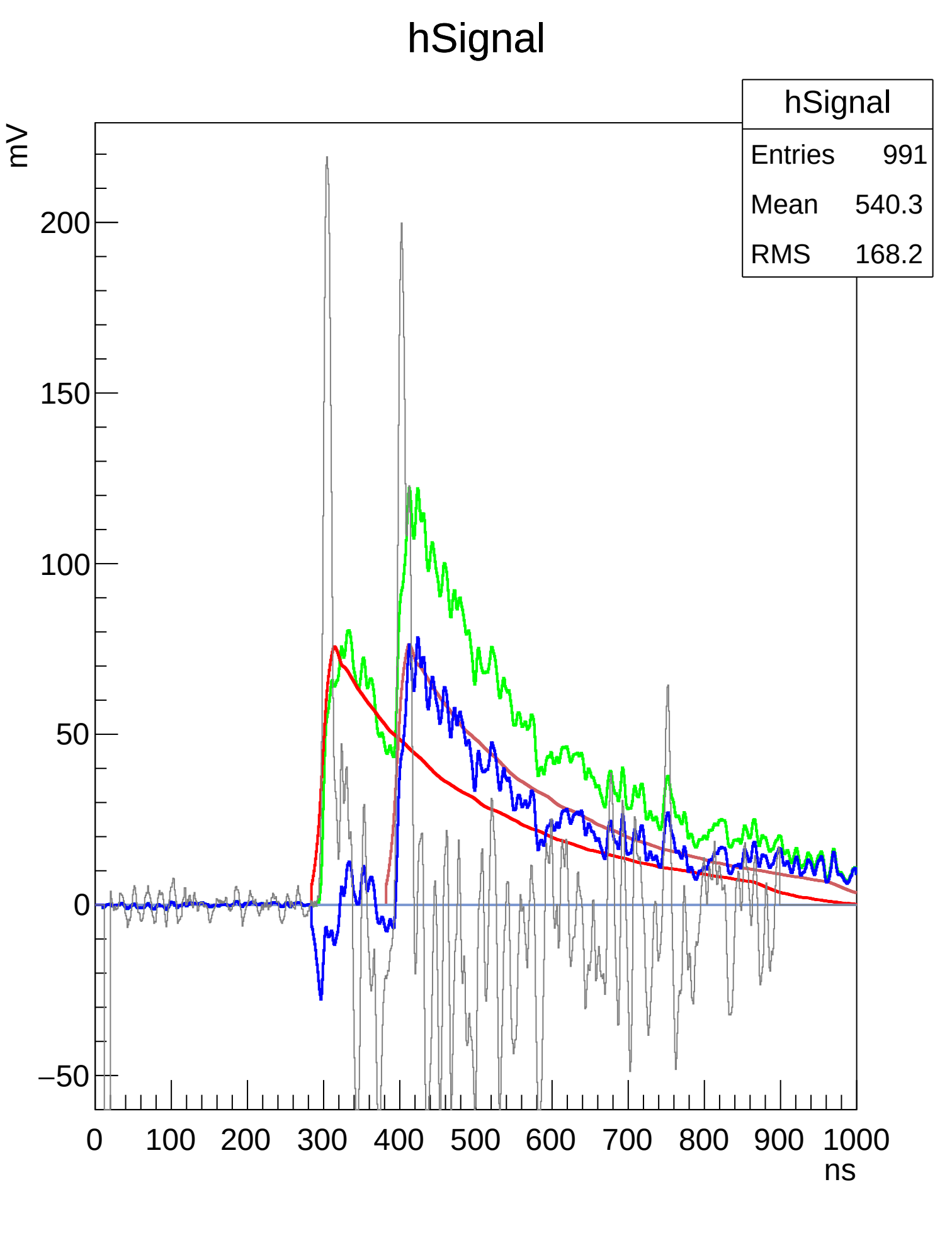
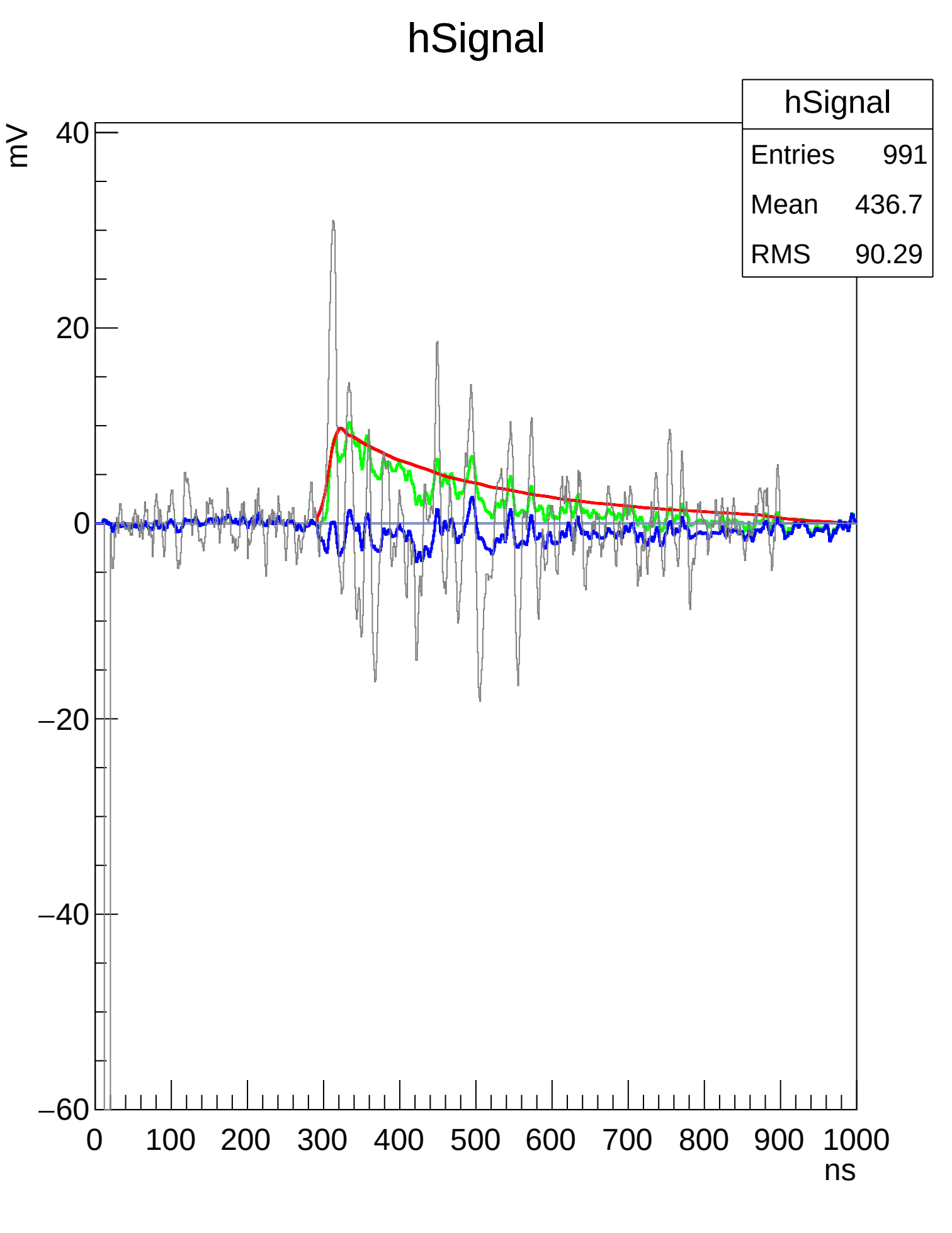
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.9
RMS 93.34
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.2
RMS 169.5
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 540.3
RMS 168.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 436.7
RMS 90.29
mV
40
20
0
−20
−40
−60
0
100
200
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400
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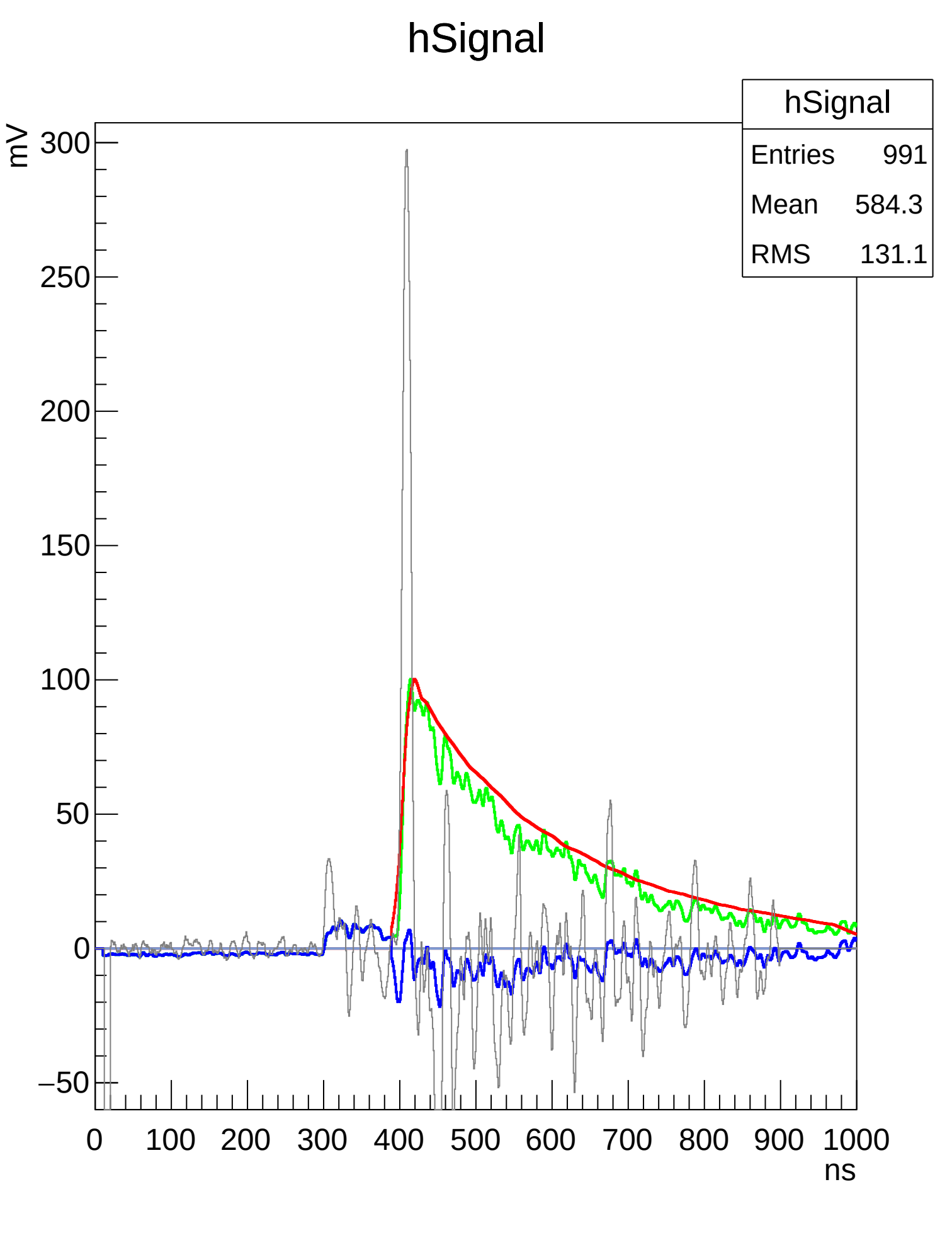
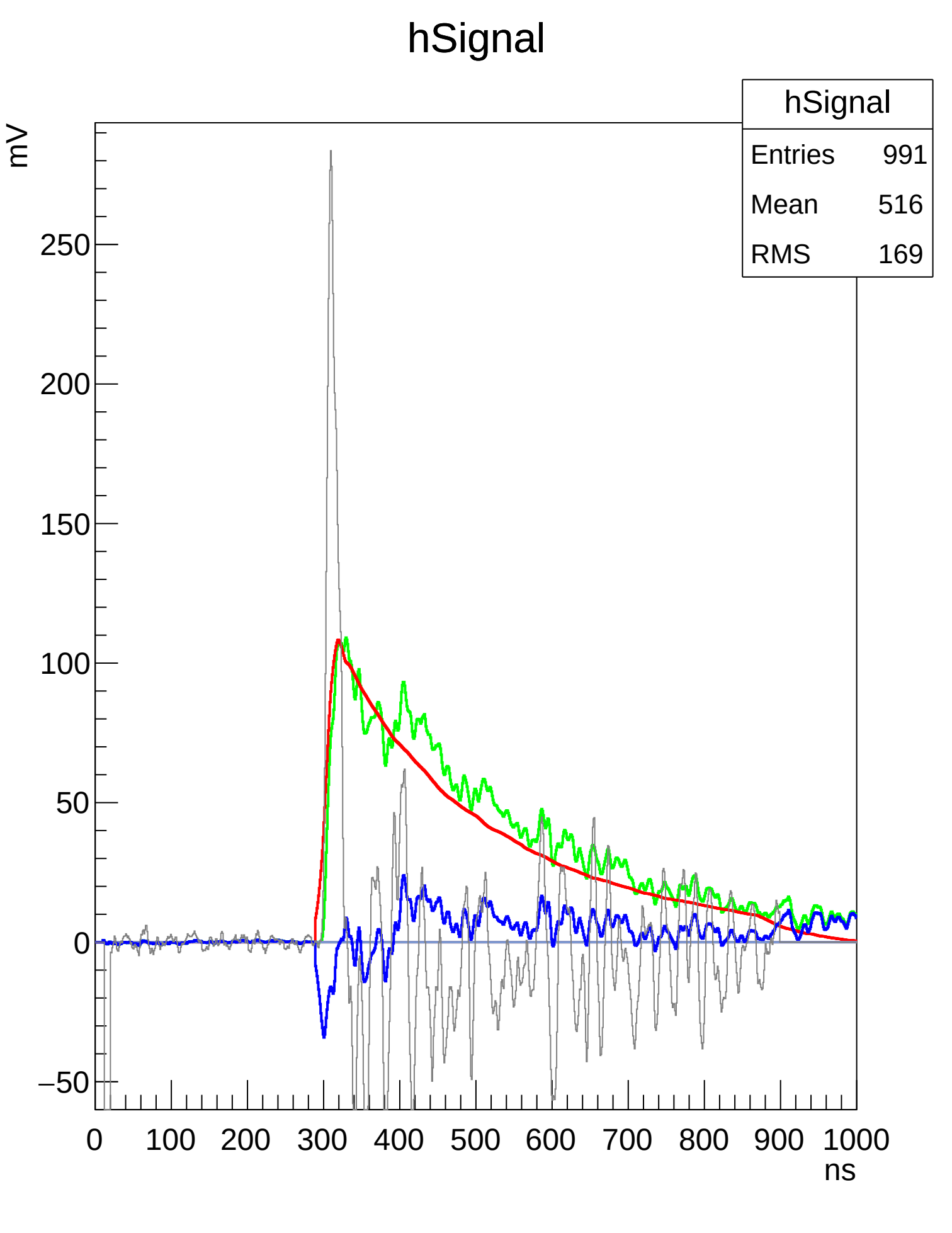
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.3
RMS 131.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516
RMS 169
mV
250
200
150
100
50
0
−50
0
100
200
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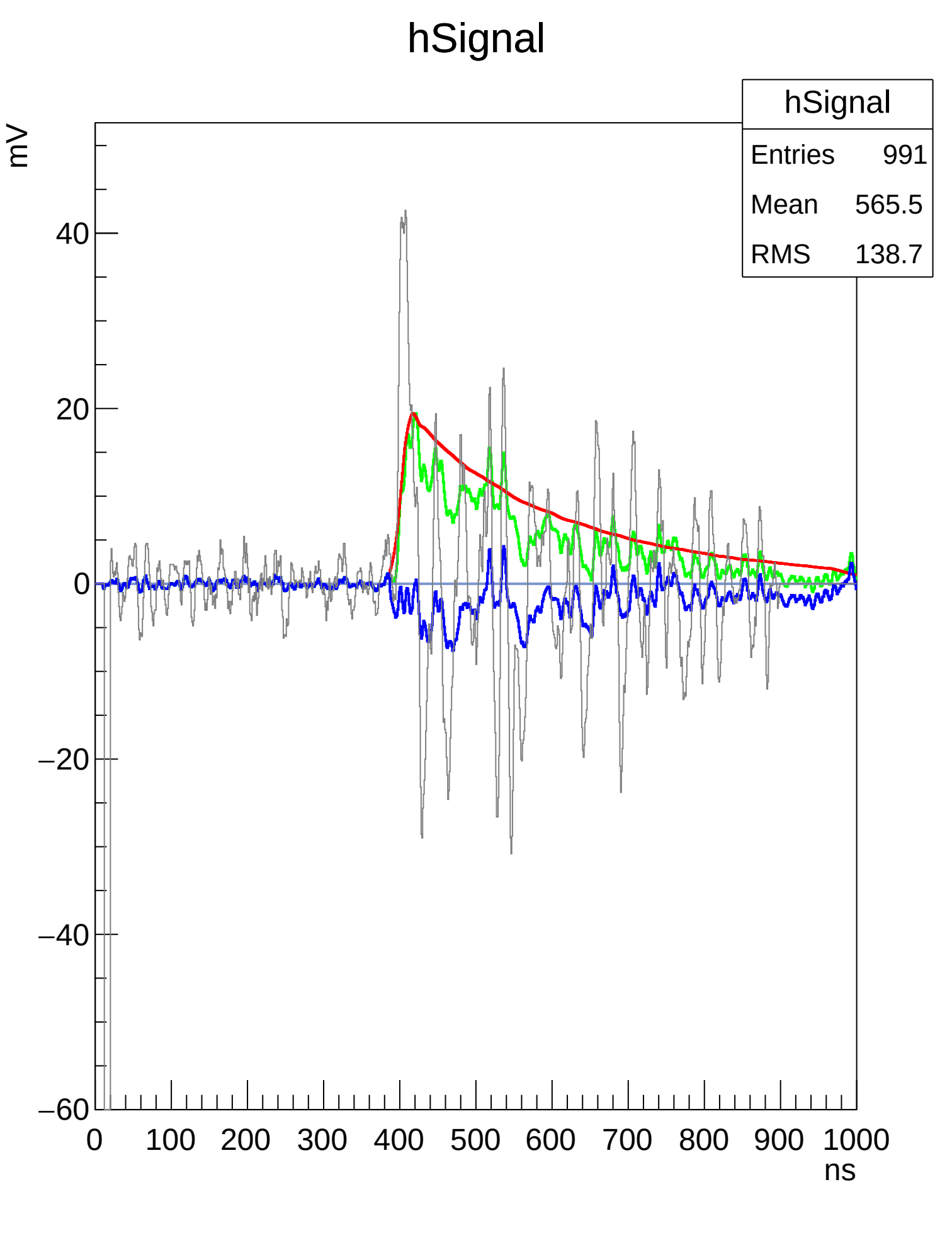
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.5
RMS 138.7
mV
40
20
0
−20
−40
−60
0
100
200
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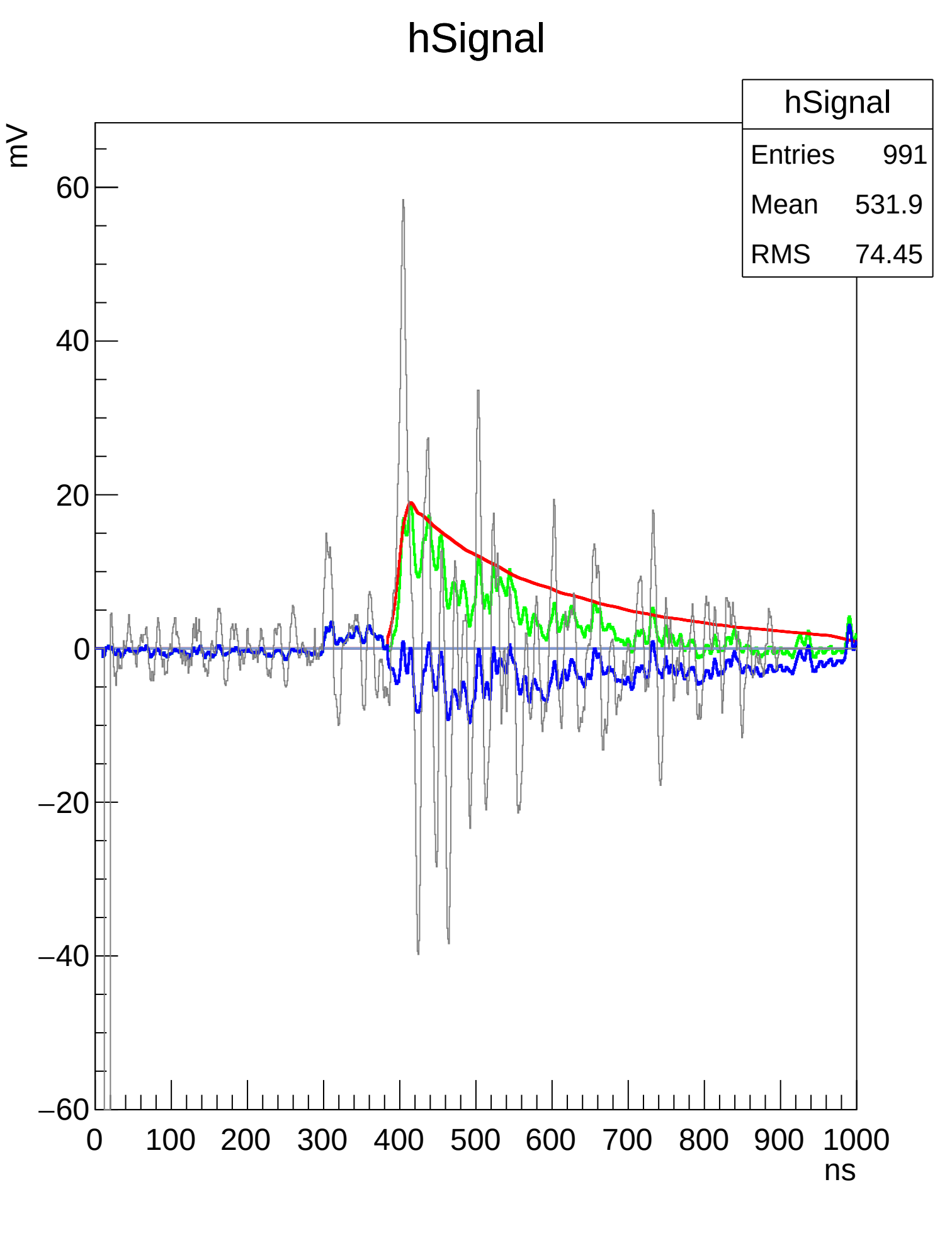
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.9
RMS 74.45
mV
60
40
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−20
−40
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0
100
200
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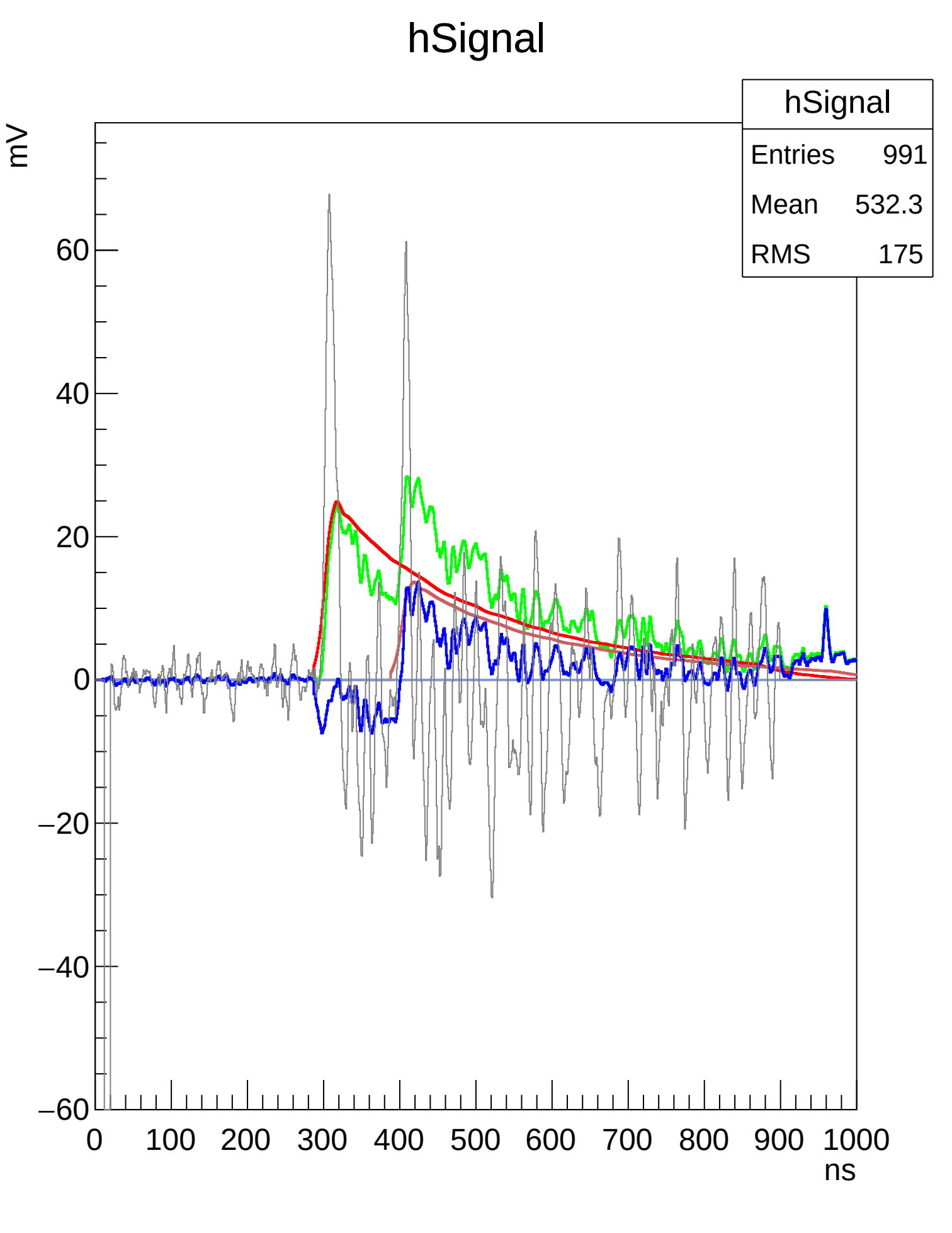
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.3
RMS 175
mV
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−20
−40
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0
100
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600
700
800
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1000
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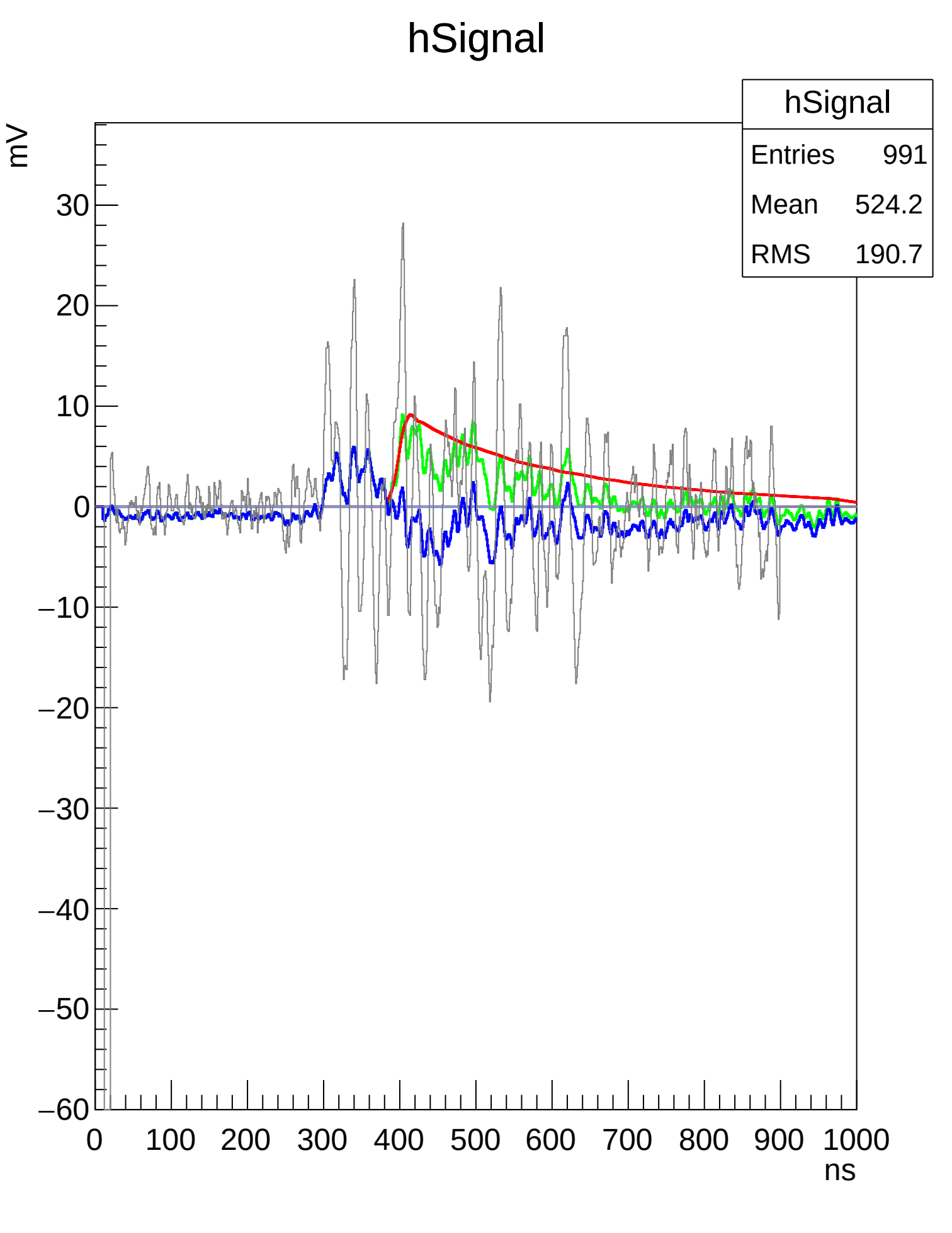
hSignal
hSignal
Entries 991
Mean 524.2
RMS 190.7
mV
30
20
10
0
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−20
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−50
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0
100
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400
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800
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1000
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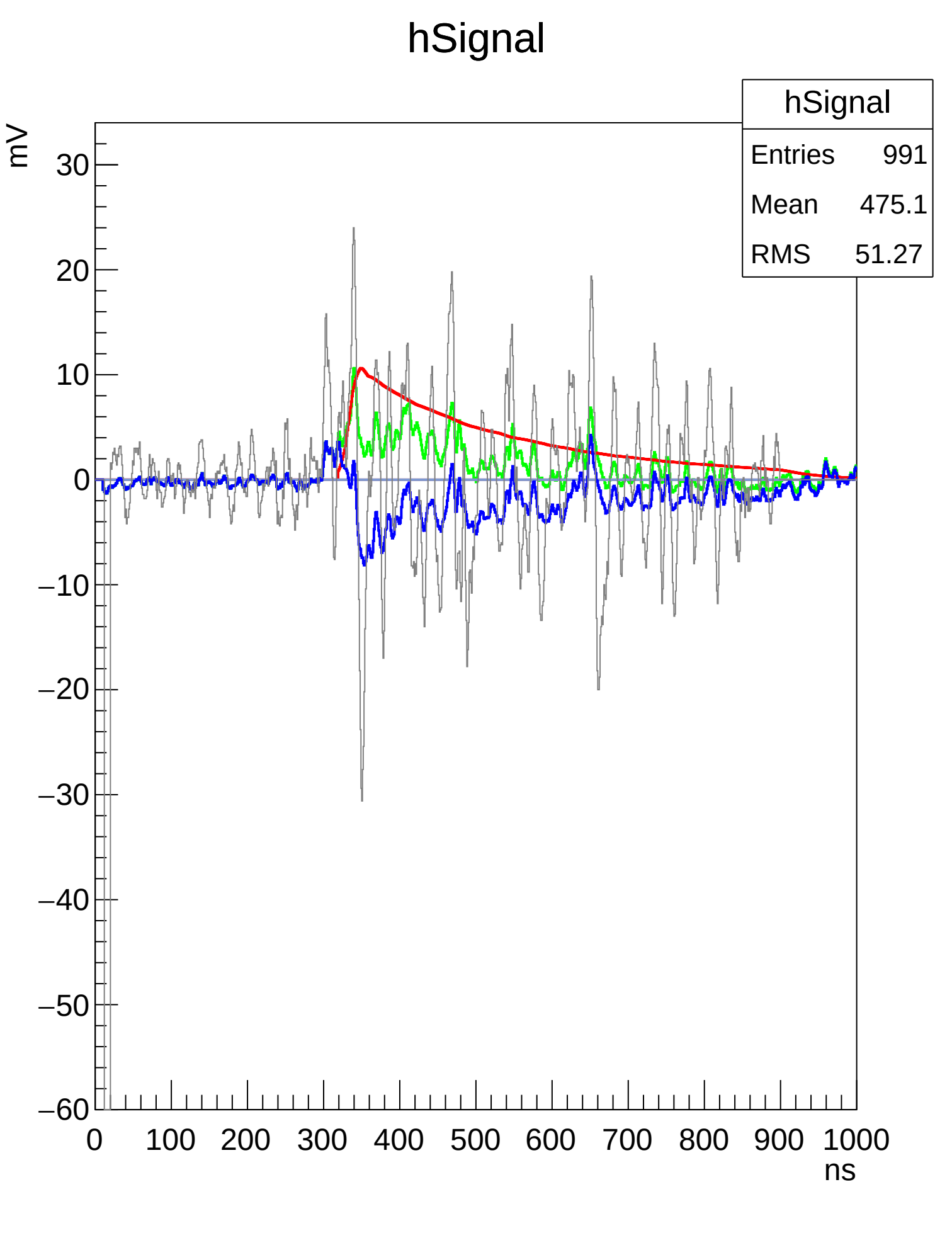
hSignal
hSignal
Entries 991
Mean 475.1
RMS 51.27
mV
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20
10
0
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−50
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0
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200
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400
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800
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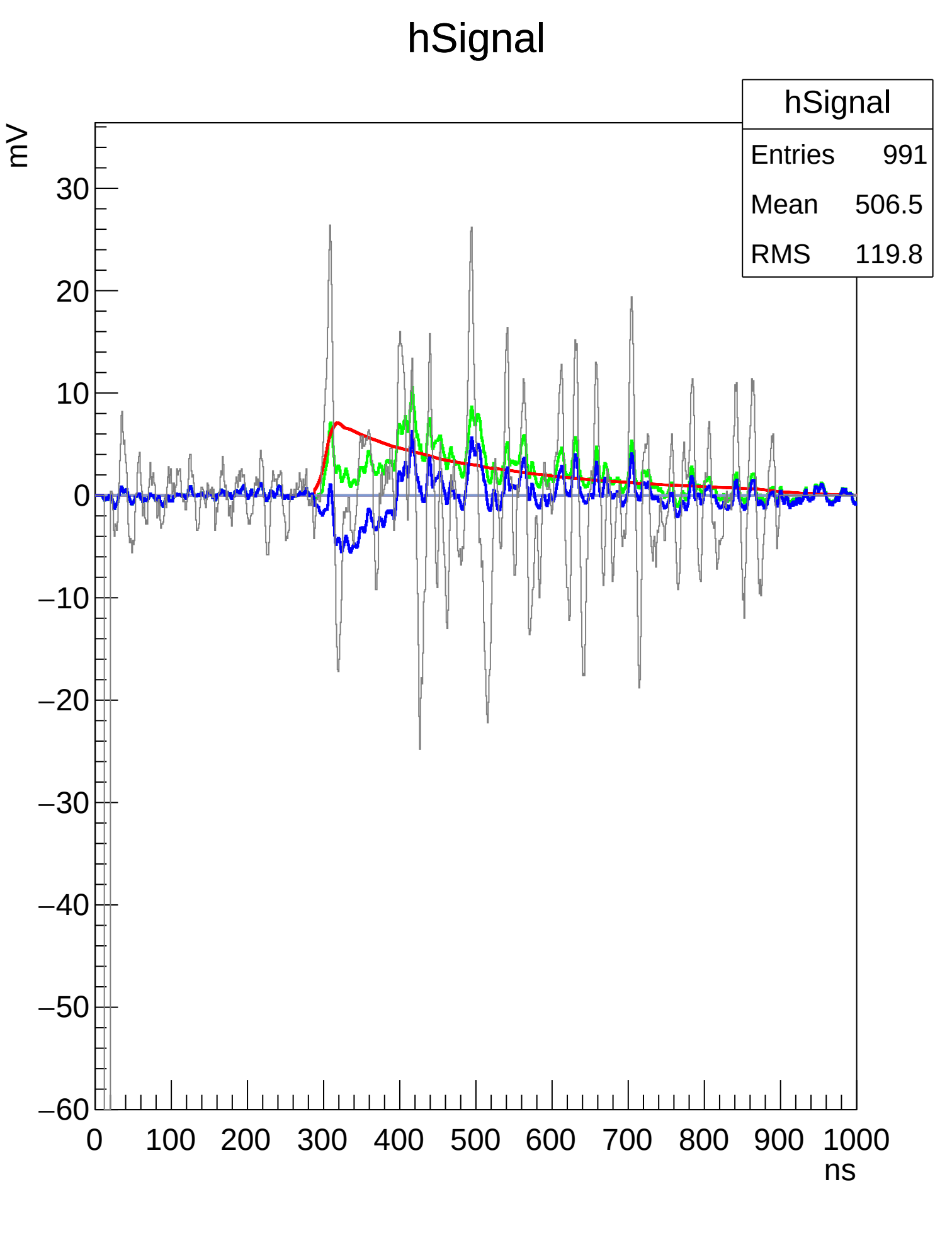
1000
ns


hSignal
hSignal
Entries 991
Mean 506.5
RMS 119.8
mV
30
20
10
0
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−50
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0
100
200
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400
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1000
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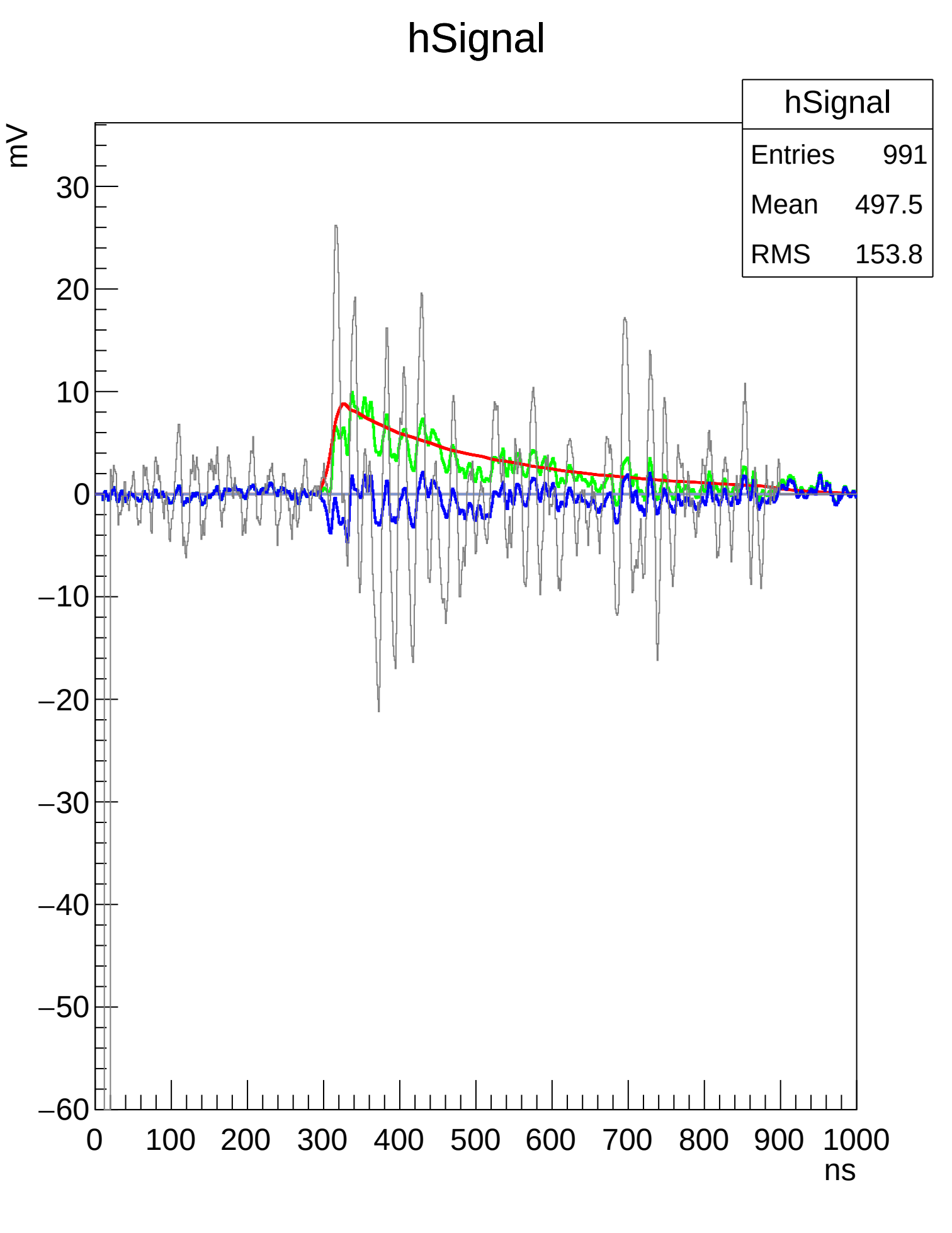
hSignal
hSignal
Entries 991
Mean 497.5
RMS 153.8
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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600
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800
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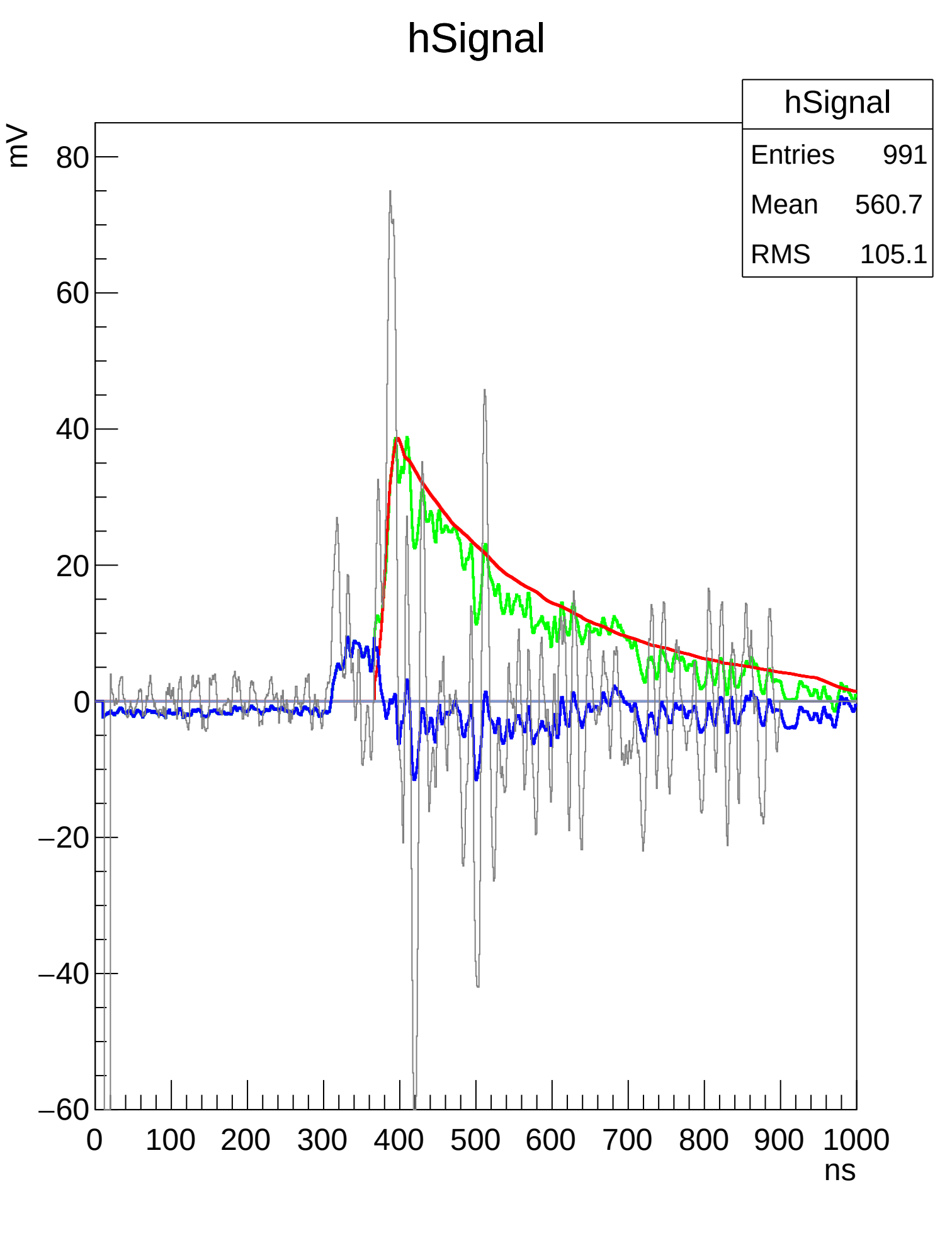
1000
ns


hSignal
hSignal
Entries 991
Mean 560.7
RMS 105.1
mV
80
60
40
20
0
−20
−40
−60
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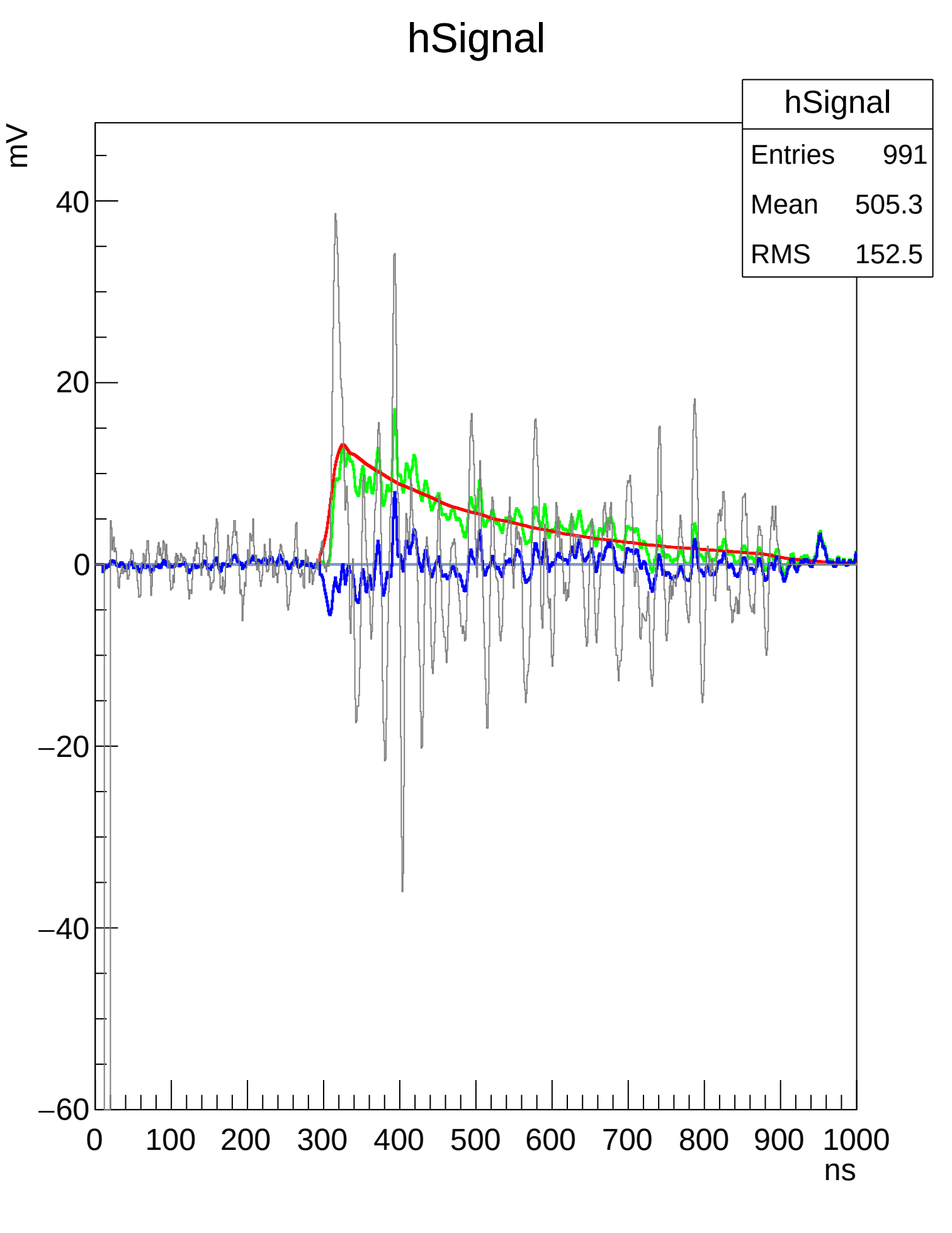
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.3
RMS 152.5
mV
40
20
0
−20
−40
−60
0
100
200
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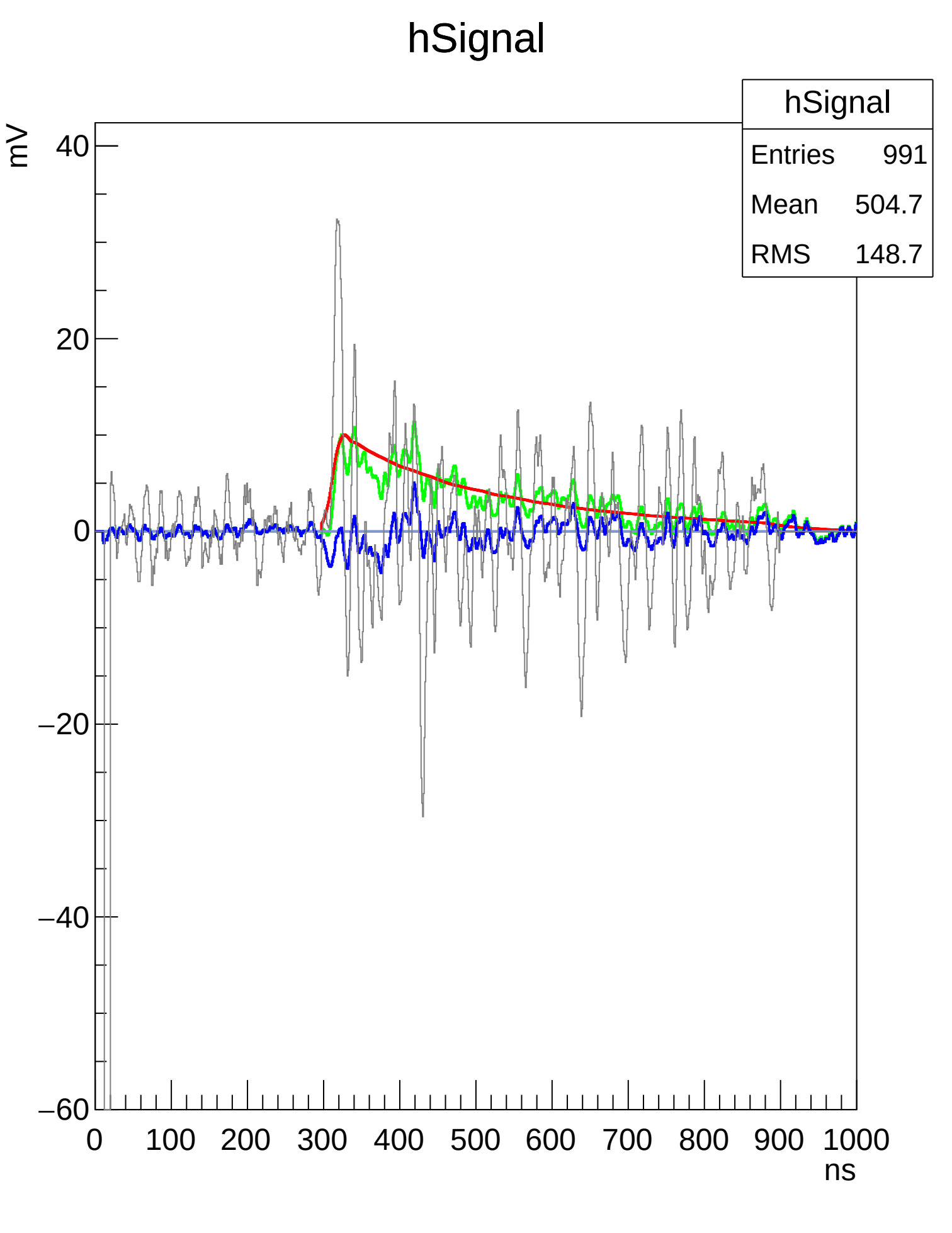
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.7
RMS 148.7
mV
40
20
0
−20
−40
−60
0
100
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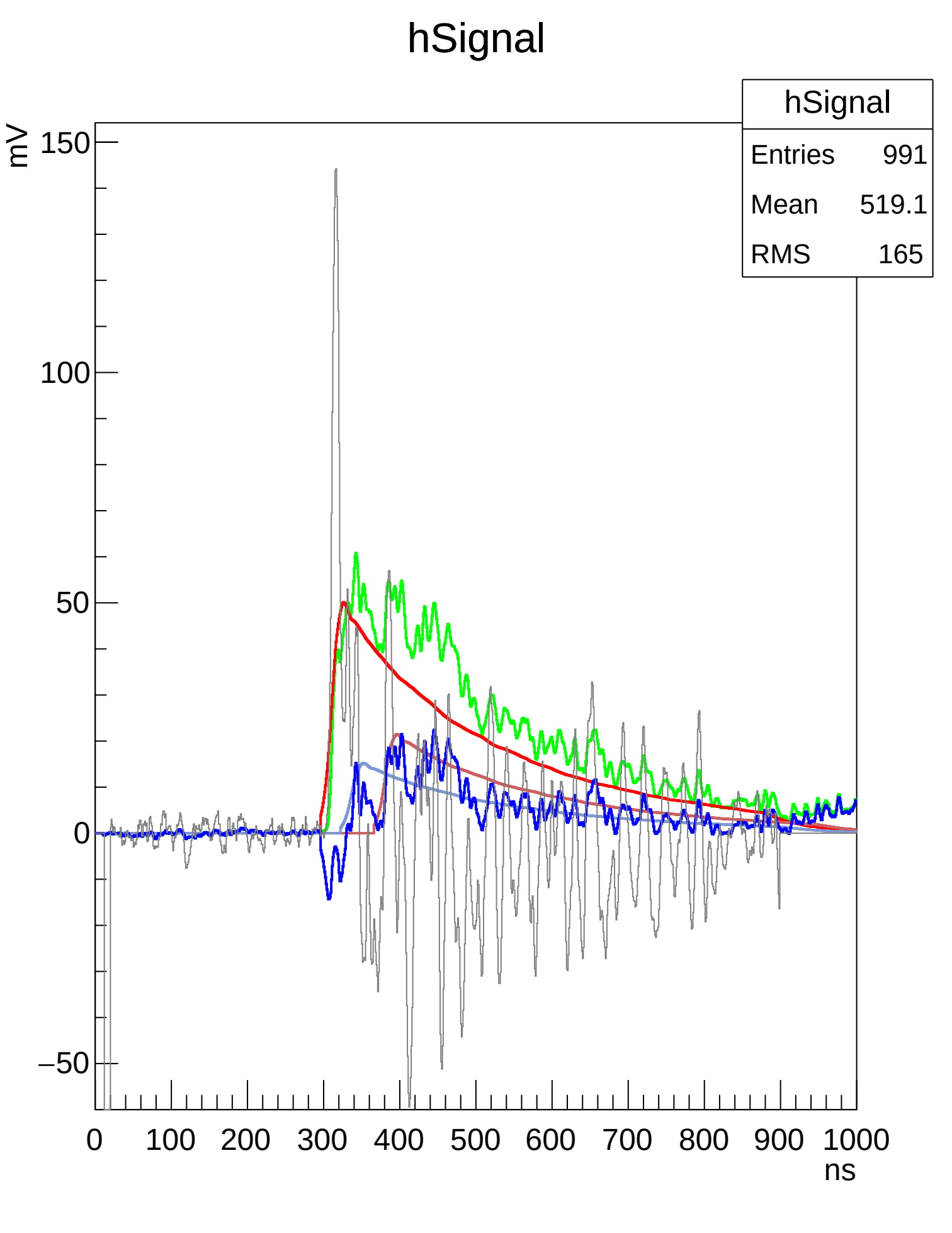
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.1
RMS 165
mV
150
100
50
0
−50
0
100
200
300
400
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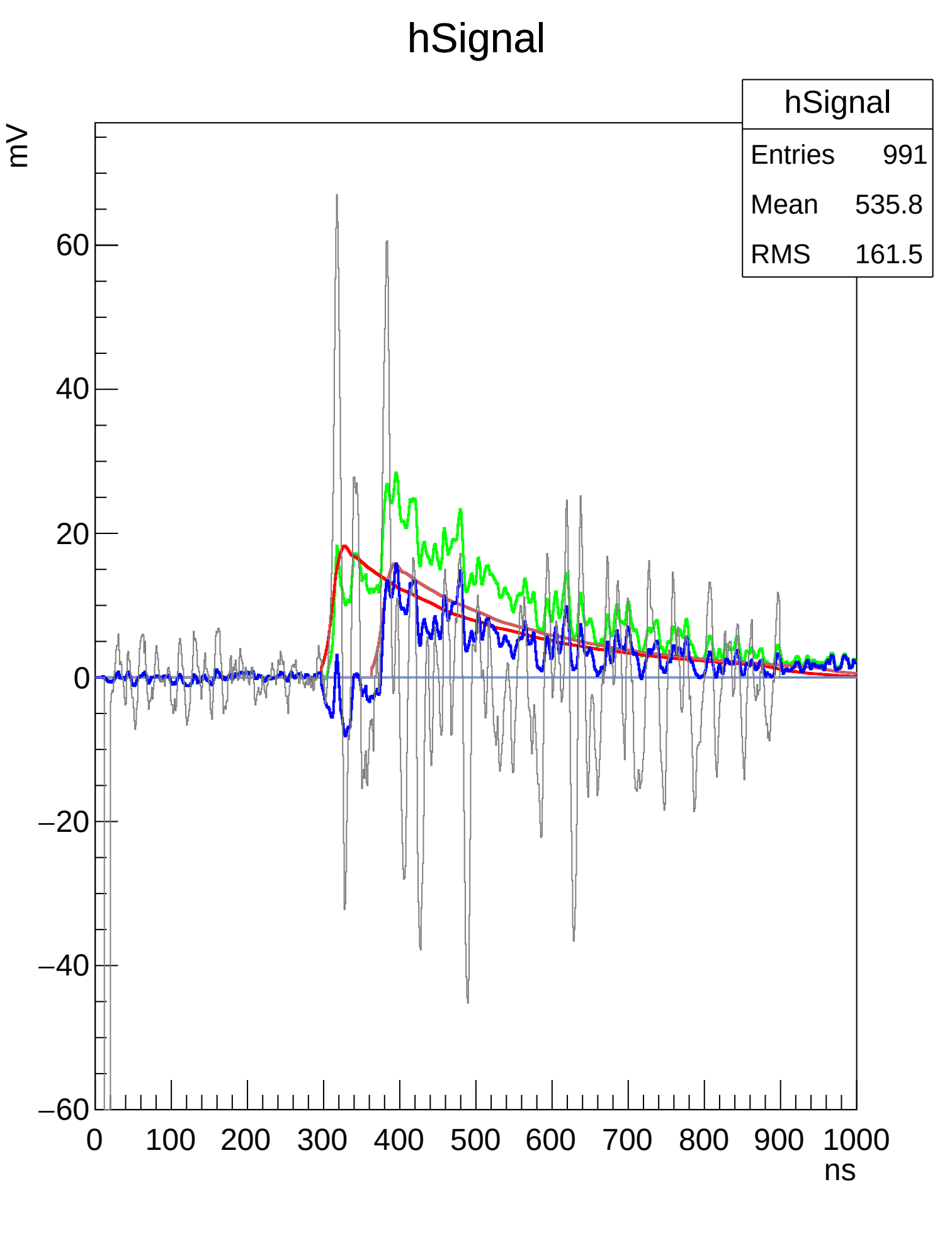
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 535.8
RMS 161.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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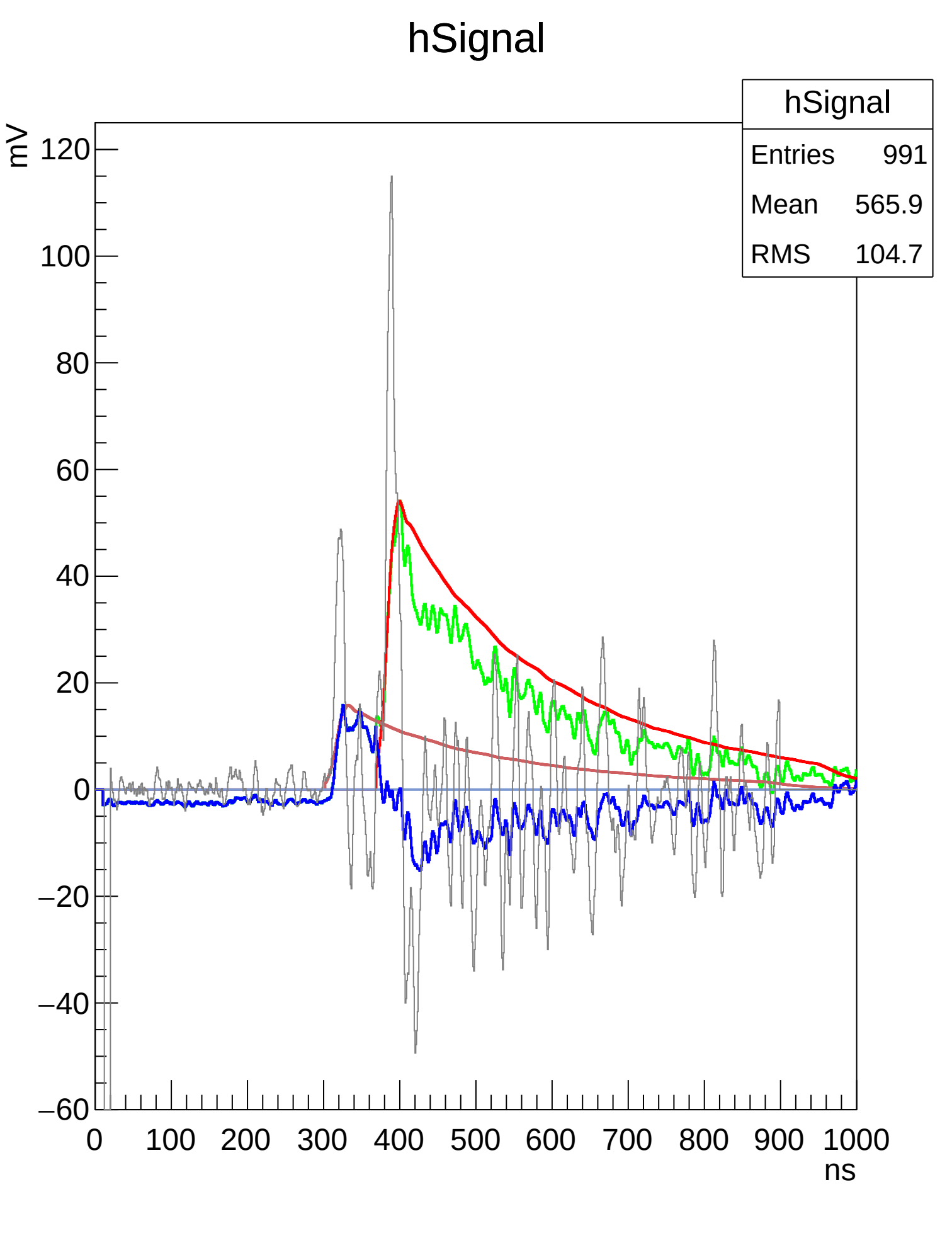
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.9
RMS 104.7
mV
120
100
80
60
40
20
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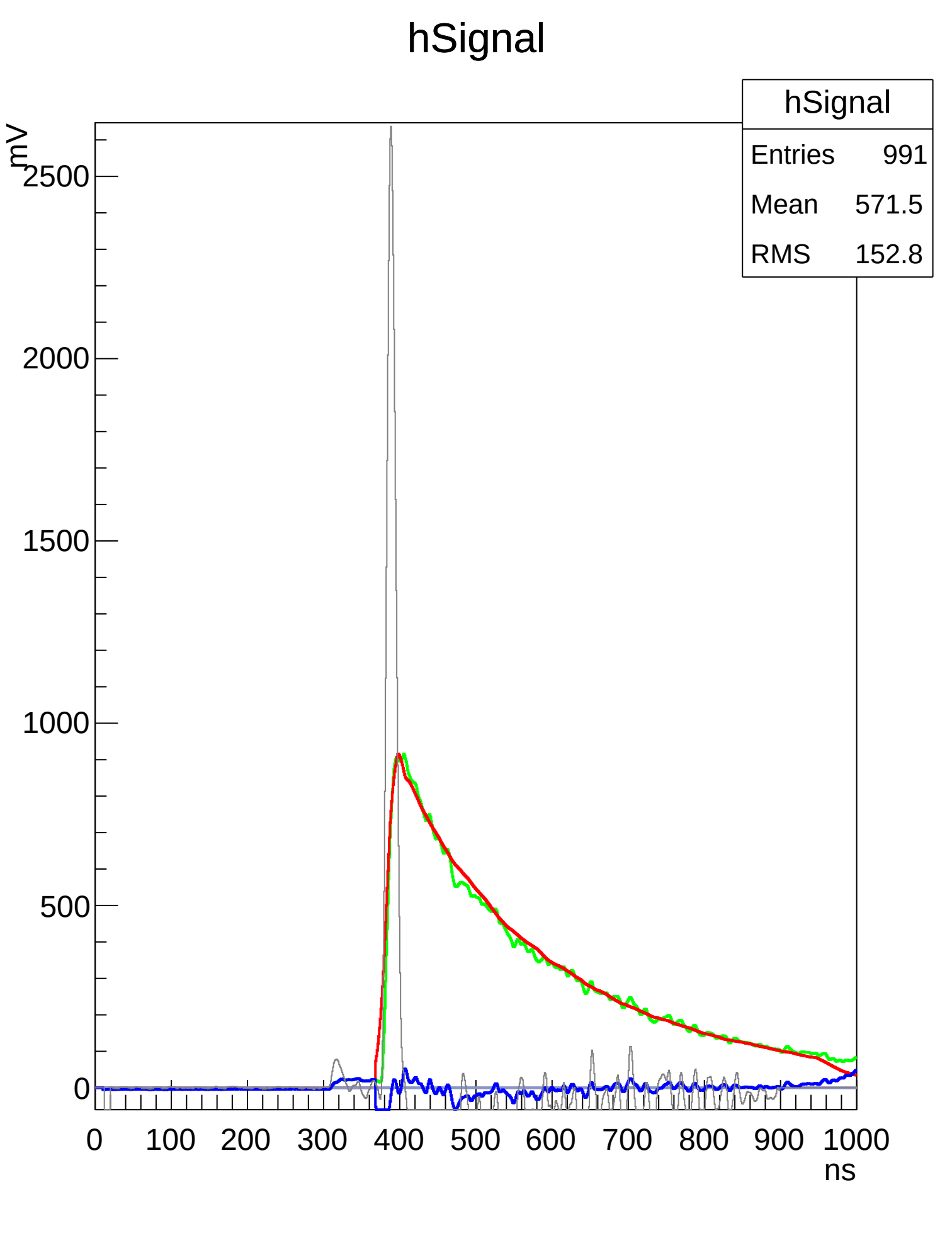
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 152.8
mV
2500
2000
1500
1000
500
0
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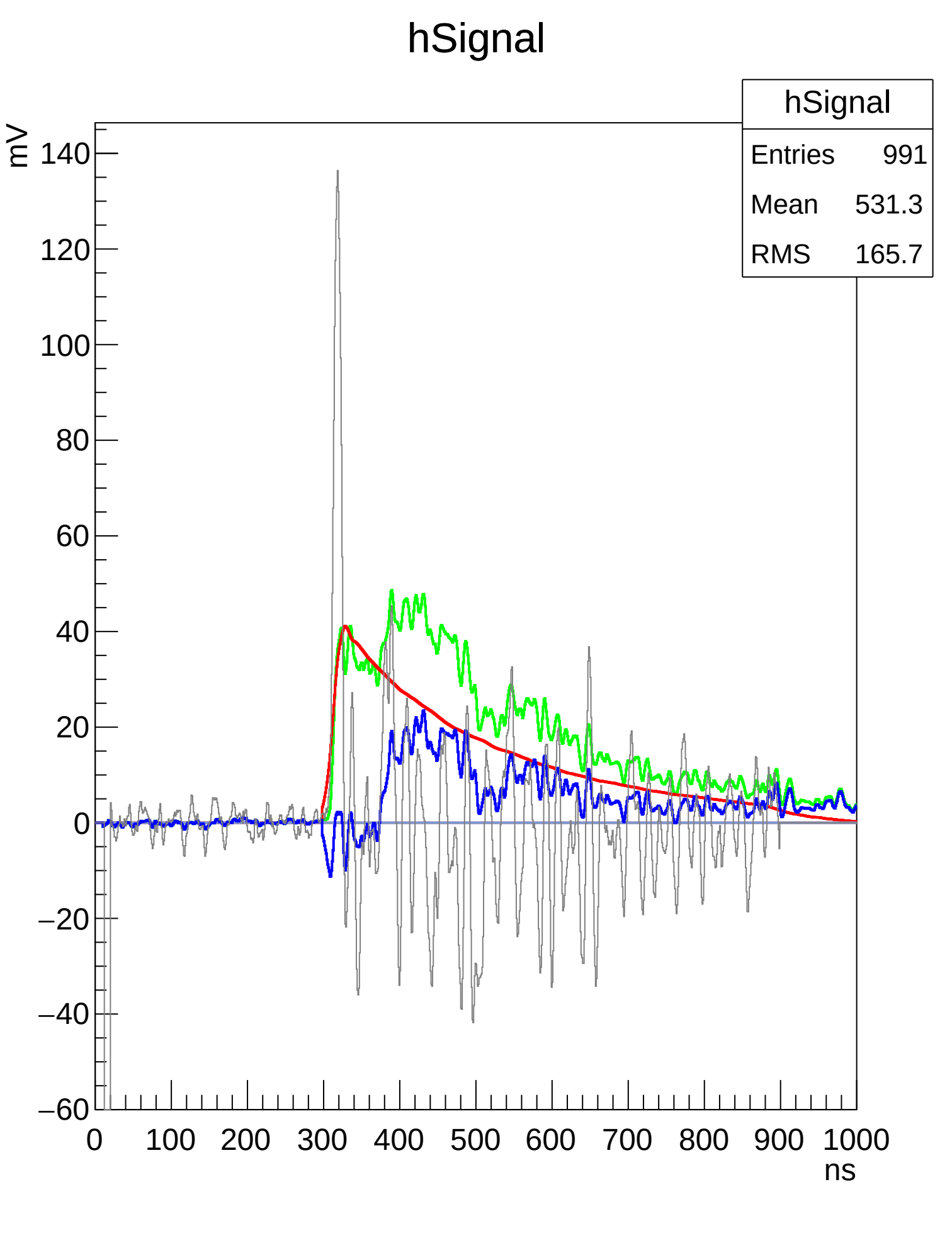
ns


hSignal
hSignal
Entries 991
Mean 531.3
RMS 165.7
mV
140
120
100
80
60
40
20
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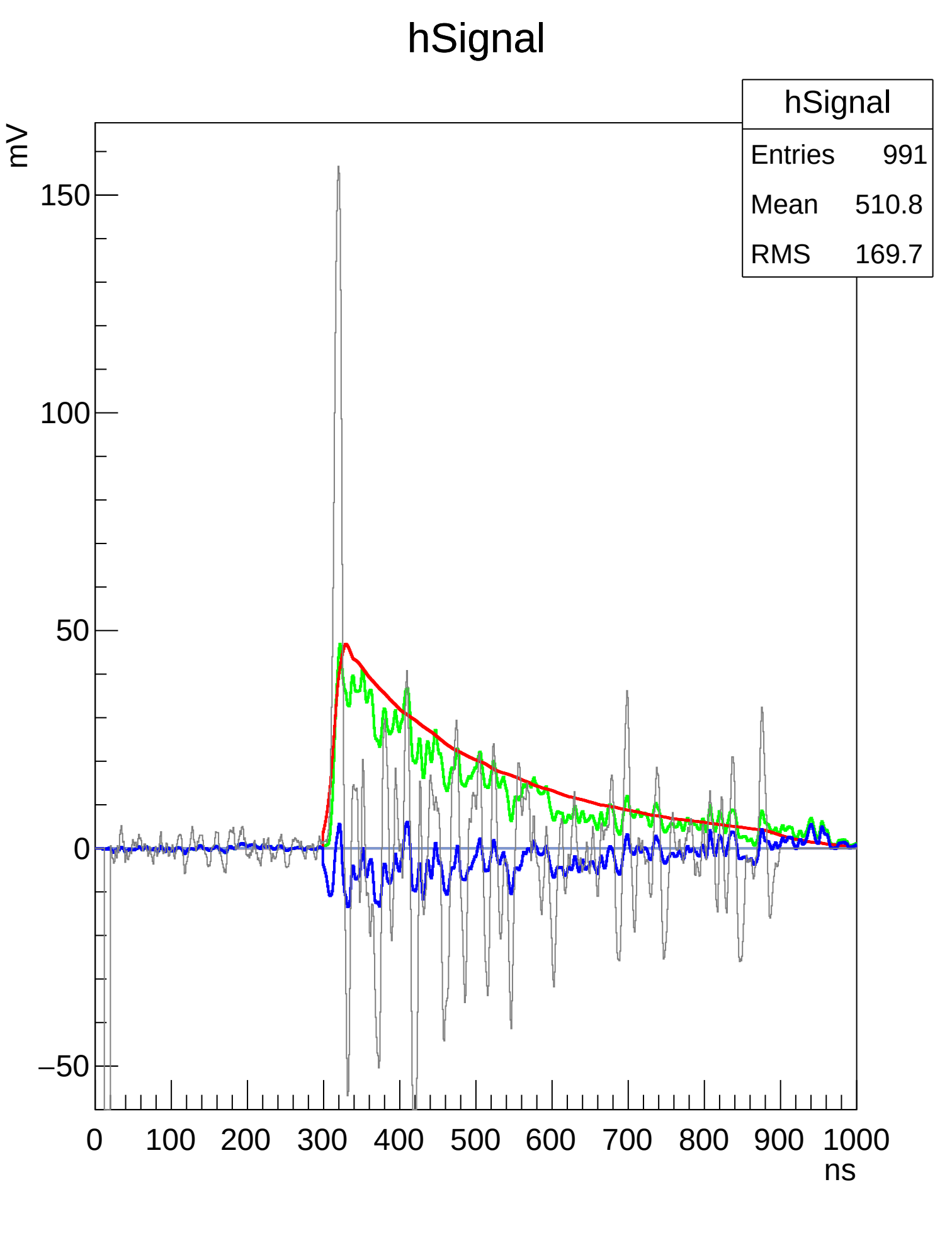
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.8
RMS 169.7
mV
150
100
50
0
−50
0
100
200
300
400
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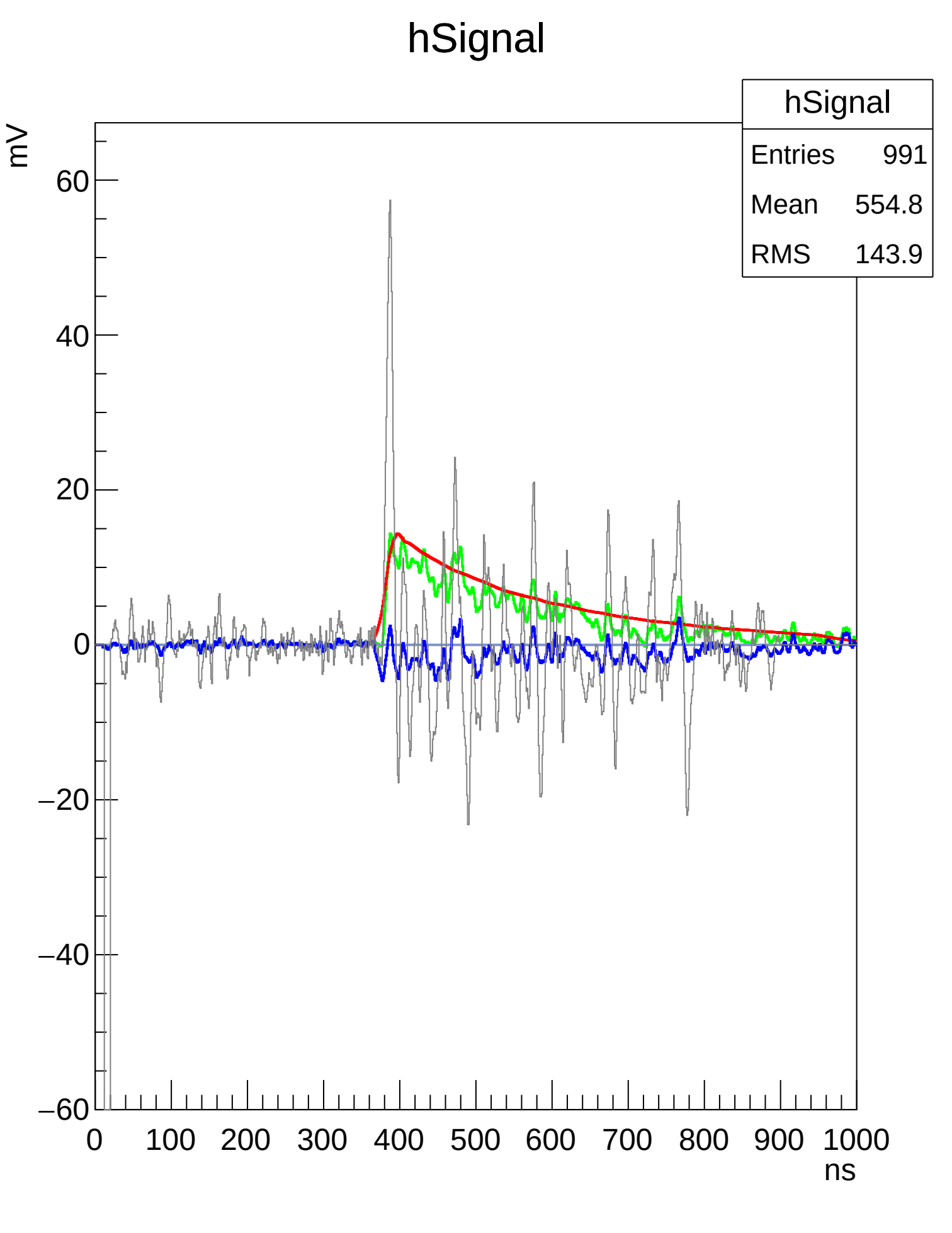
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.8
RMS 143.9
mV
60
40
20
0
−20
−40
−60
0
100
200
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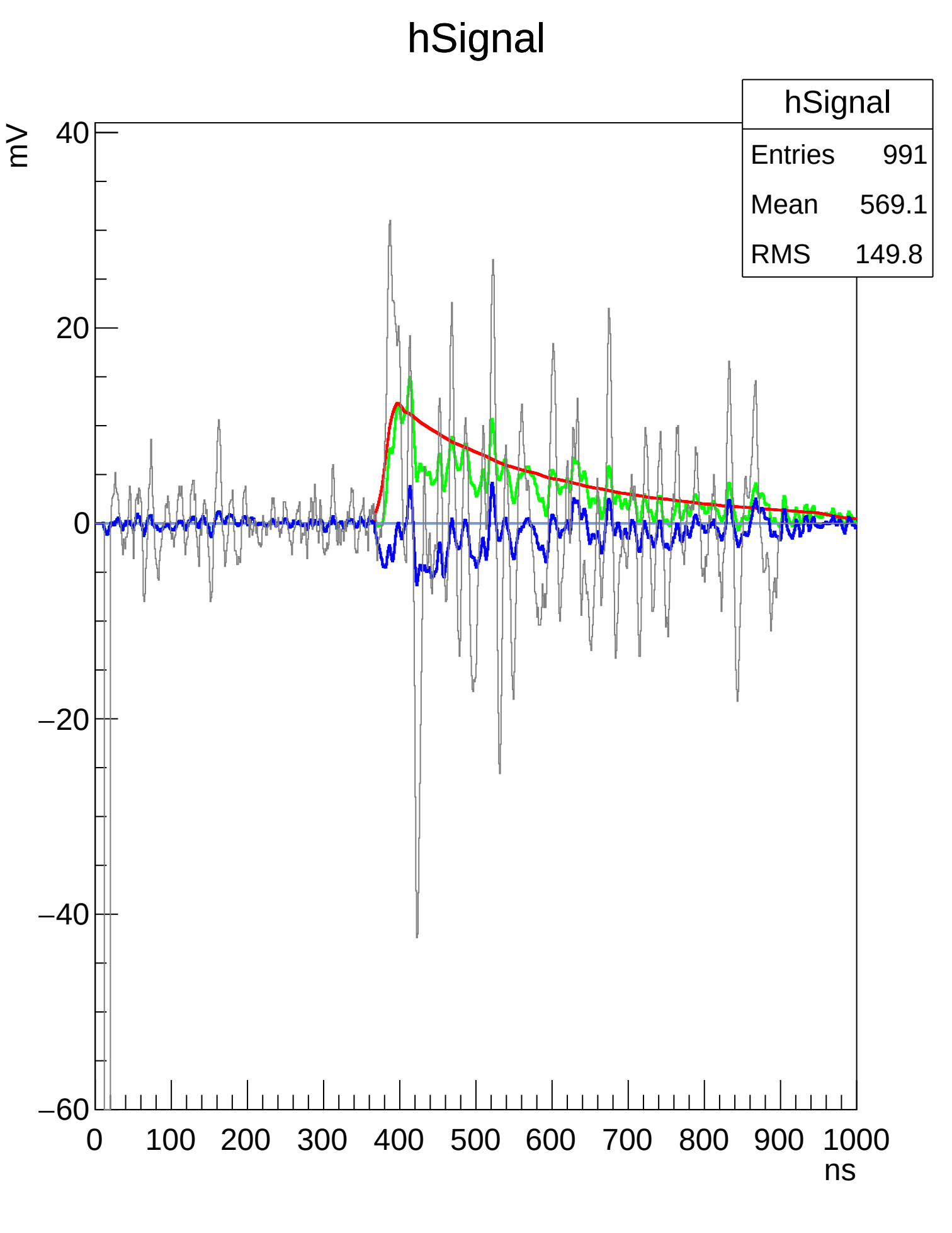
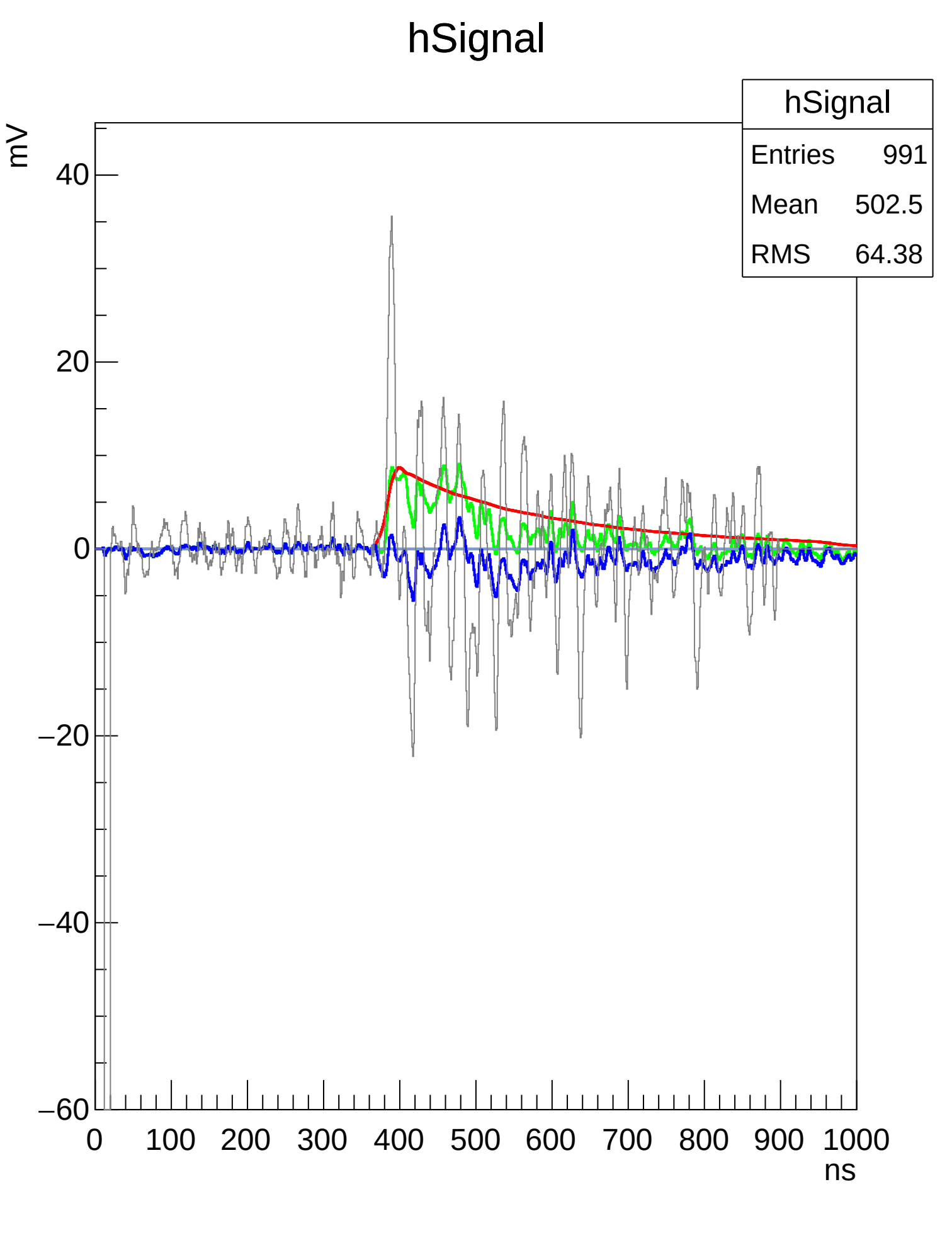
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.1
RMS 149.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.5
RMS 64.38
mV
40
20
0
−20
−40
−60
0
100
200
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400
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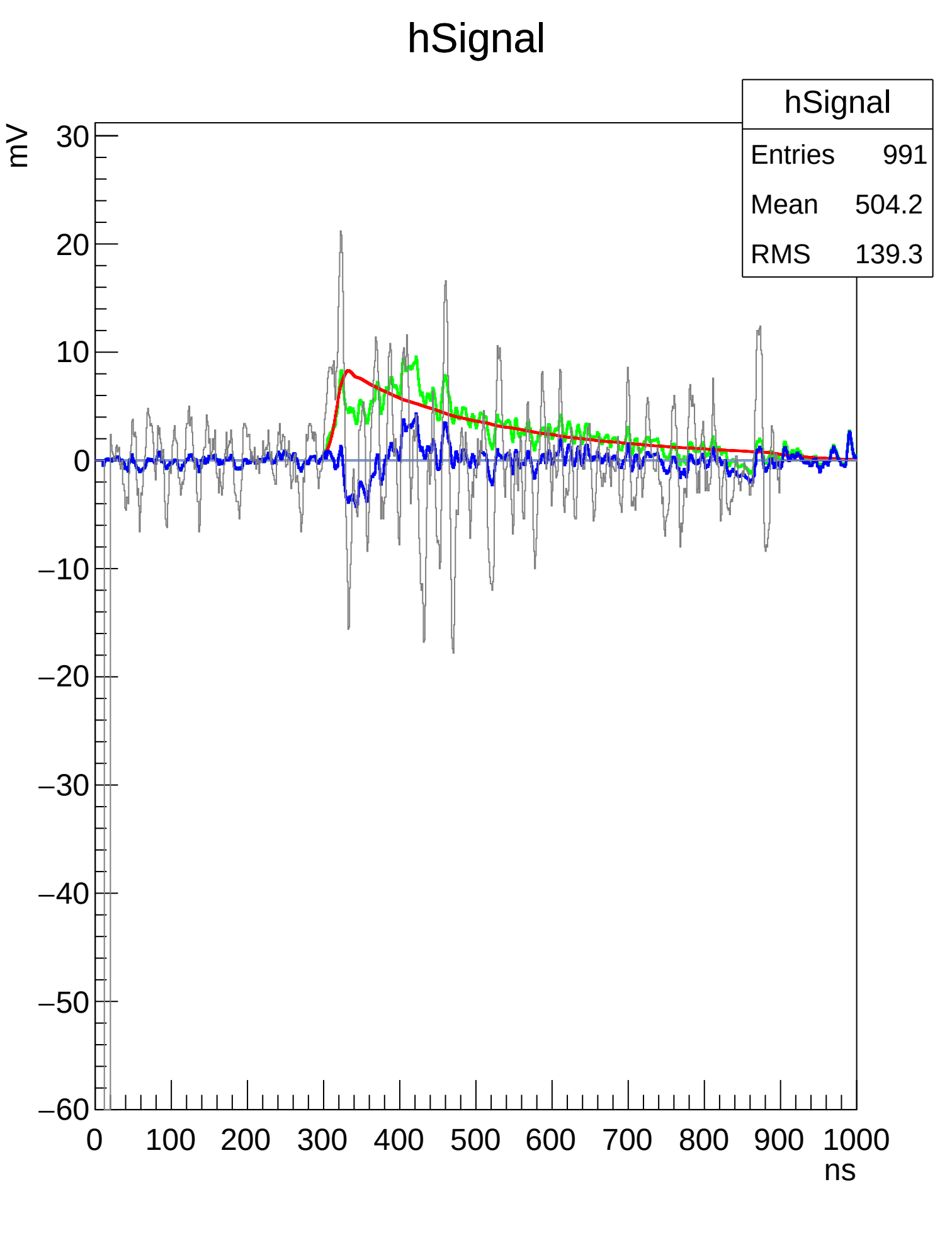
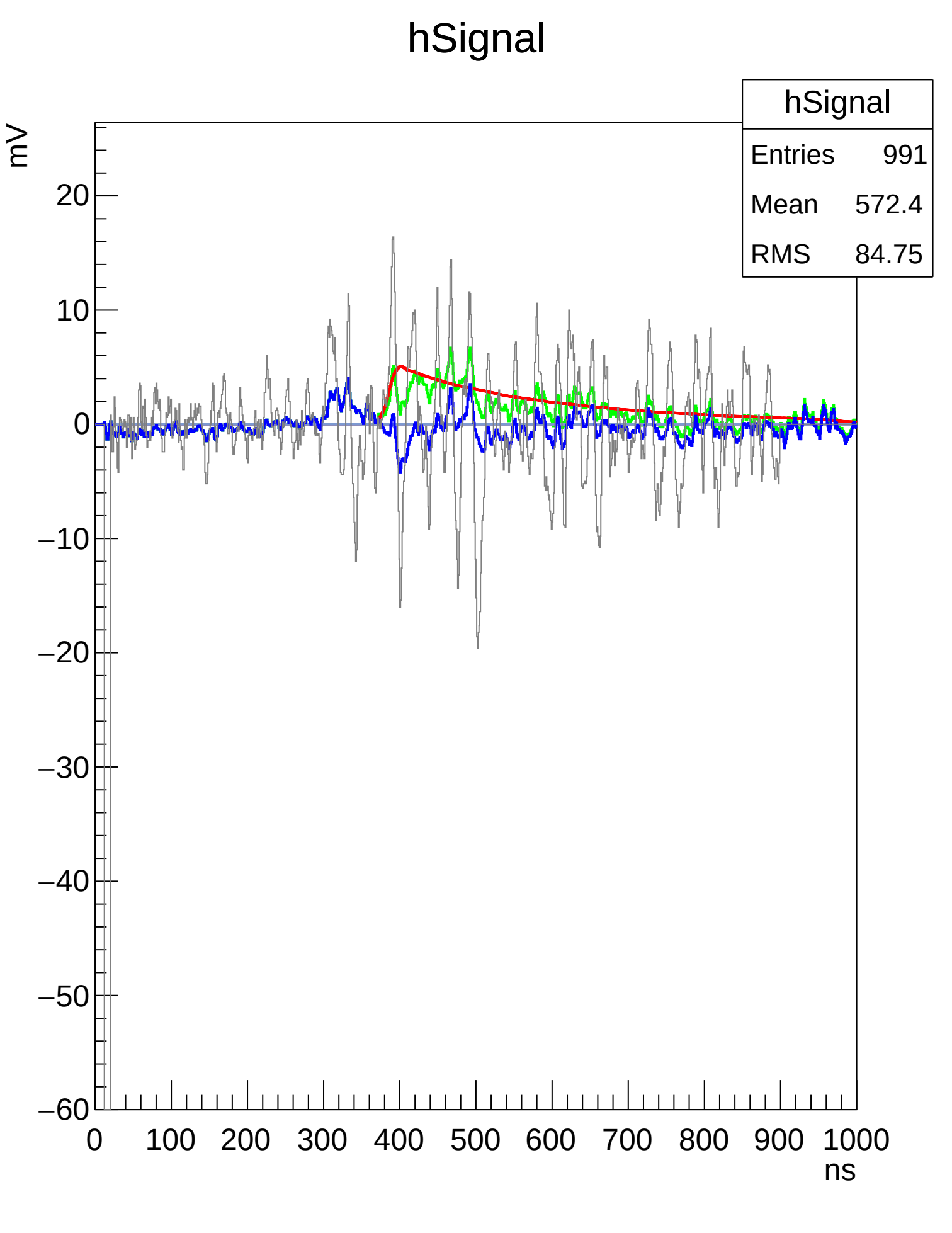
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.2
RMS 139.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.4
RMS 84.75
mV
20
10
0
−10
−20
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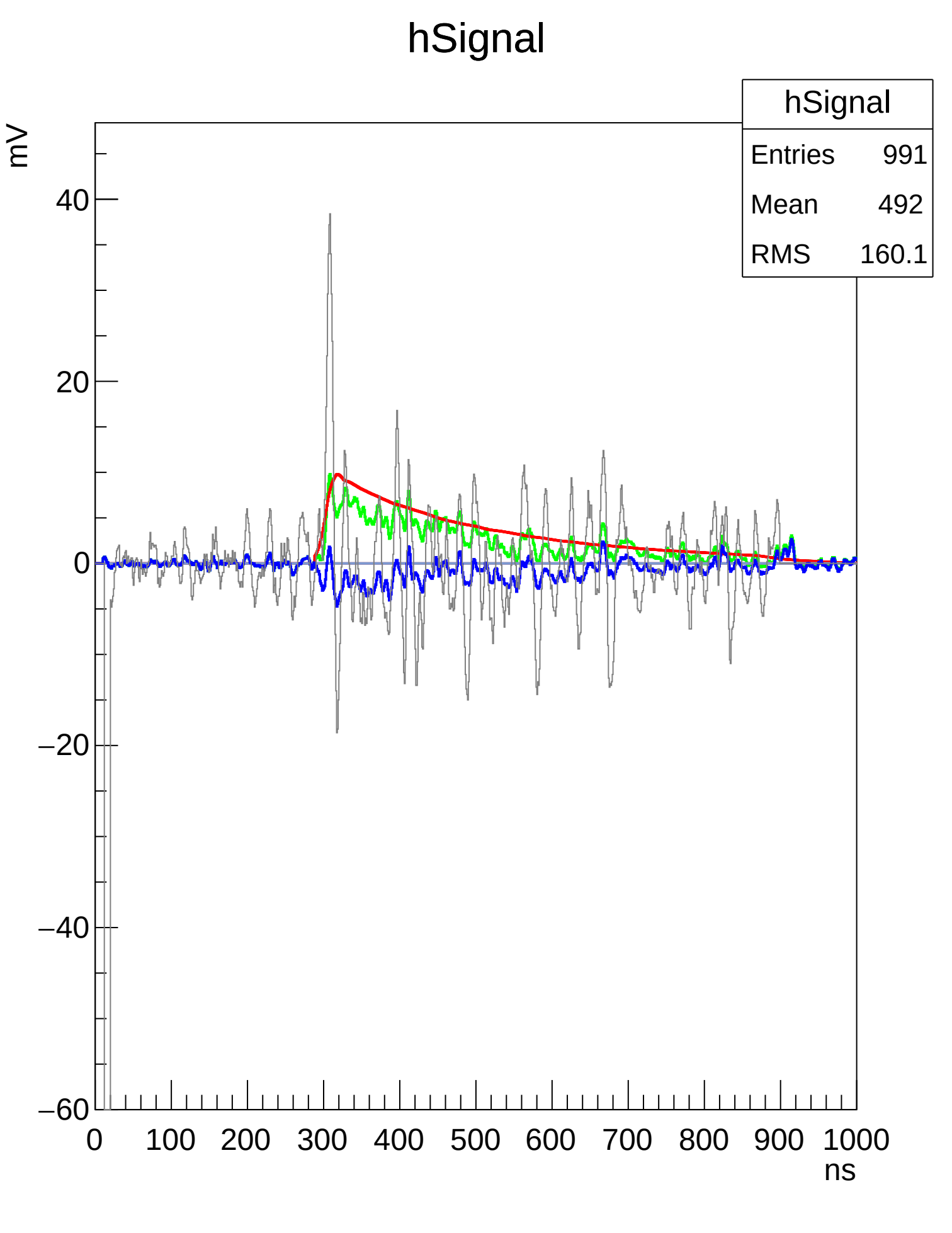
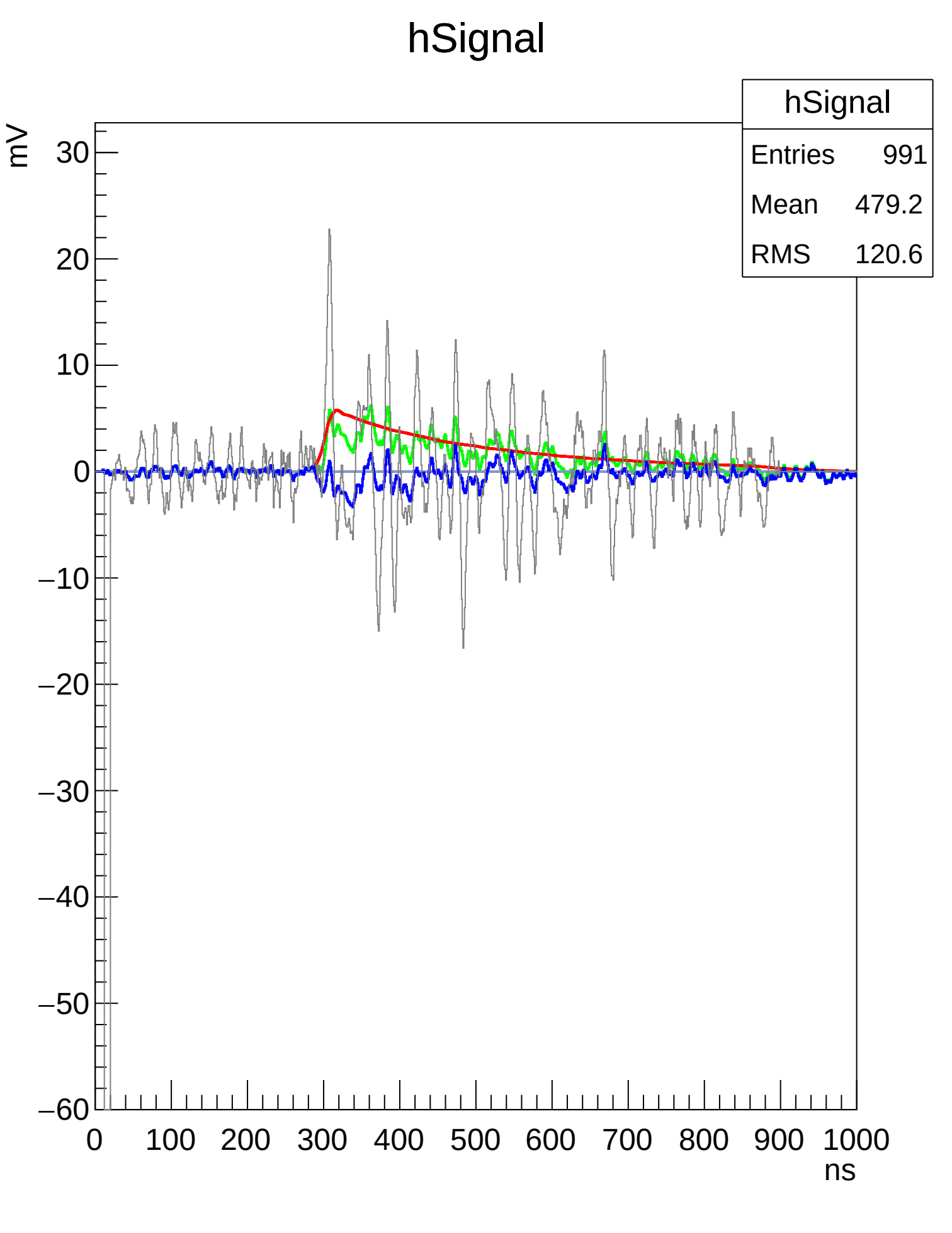
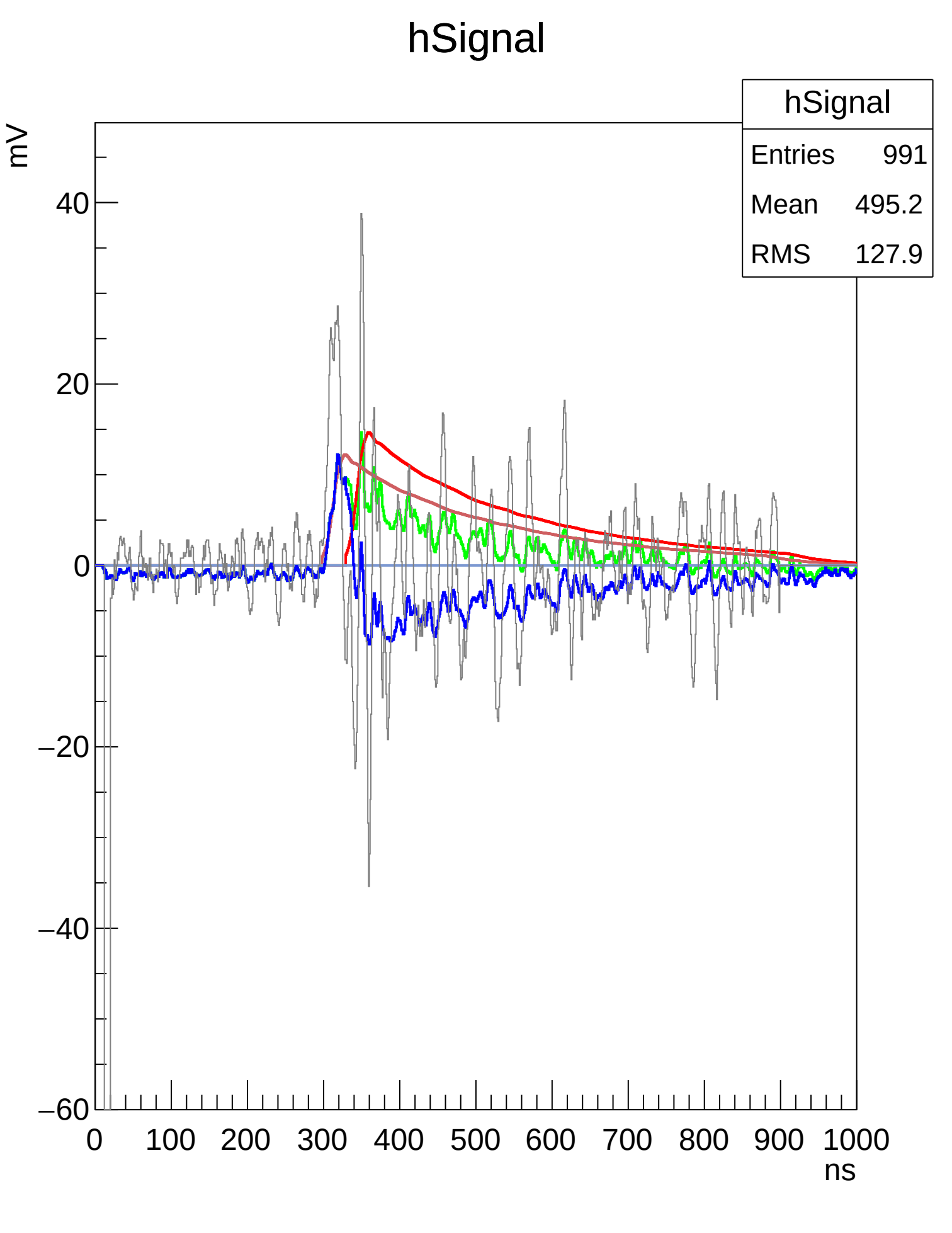
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492
RMS 160.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 479.2
RMS 120.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.2
RMS 127.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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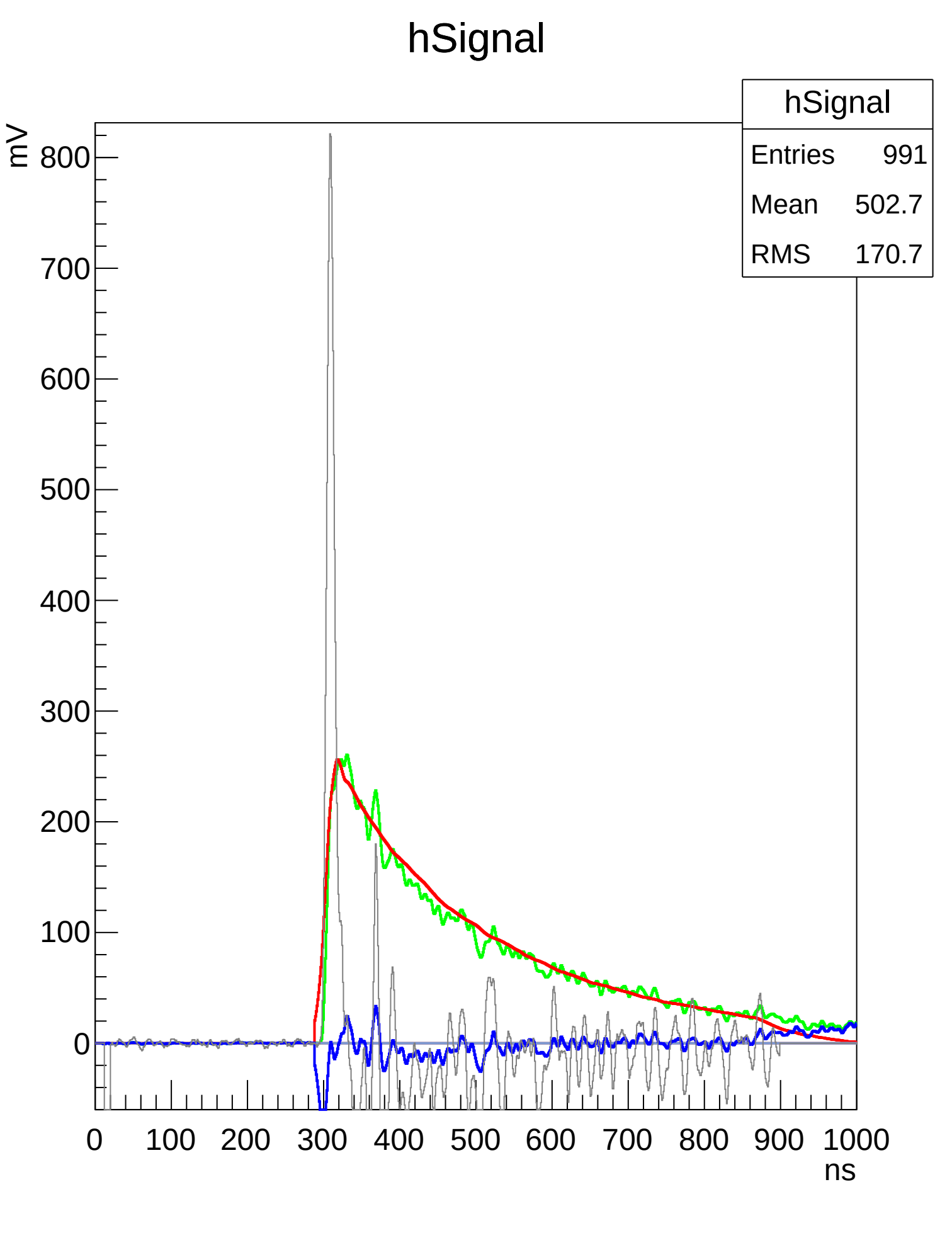
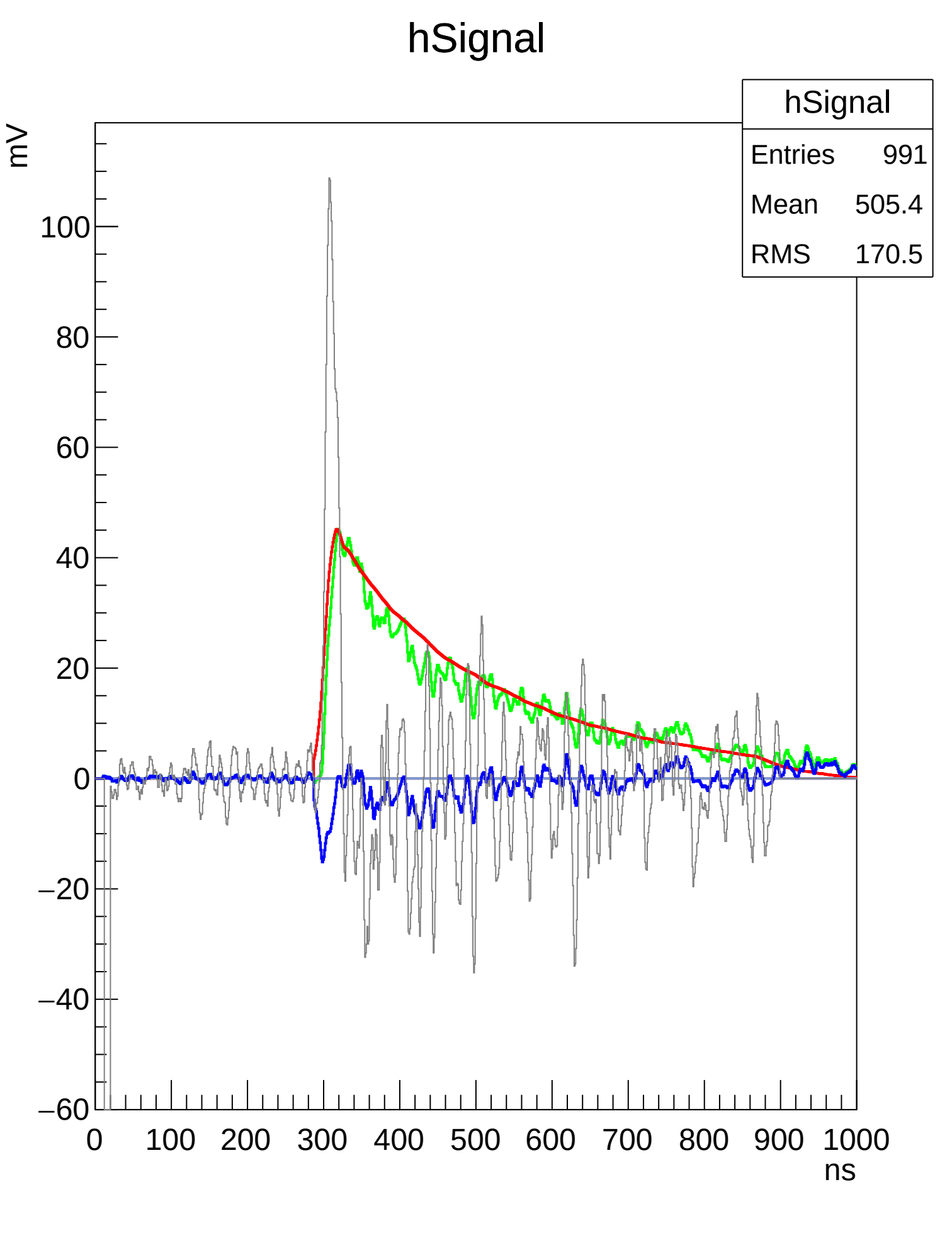
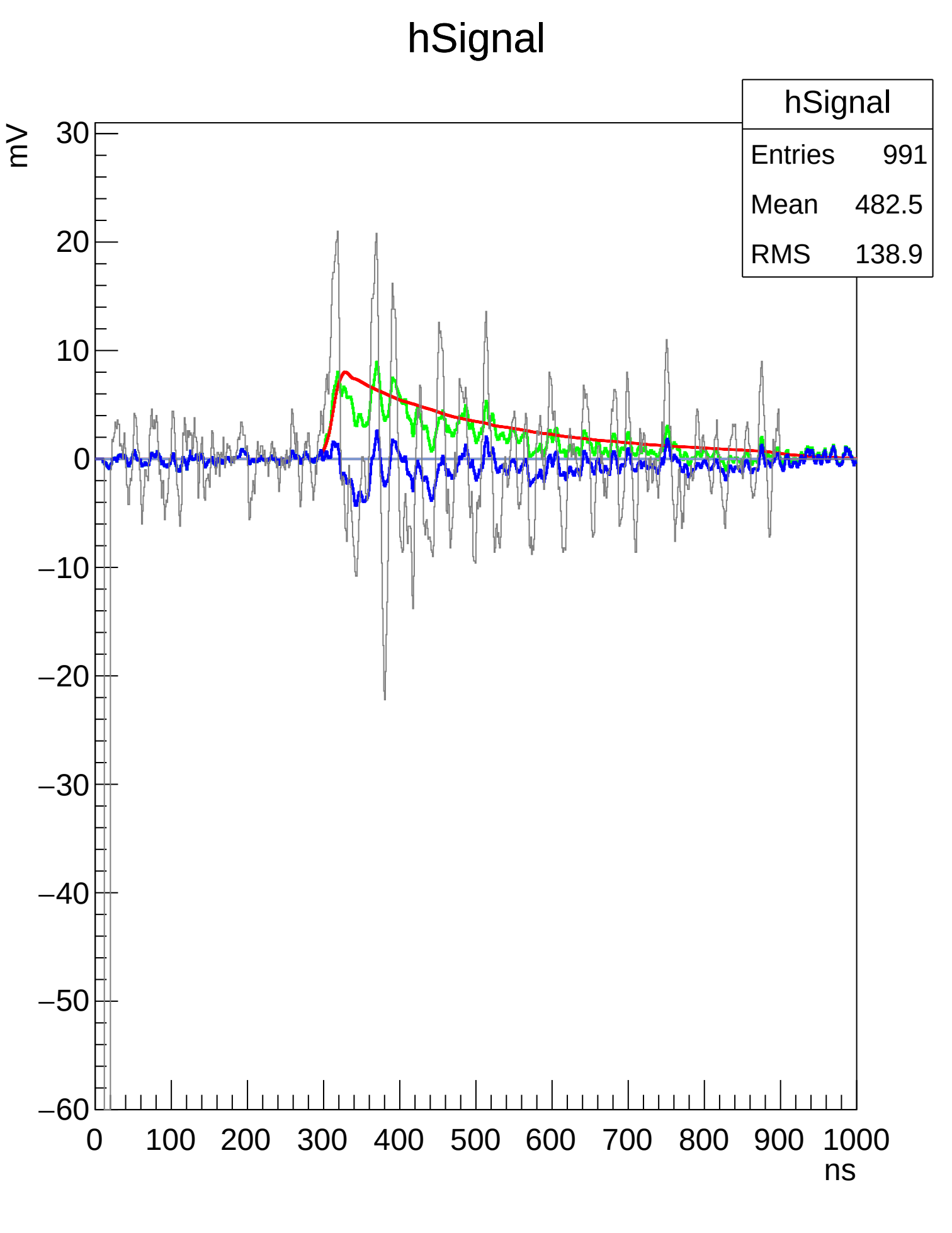
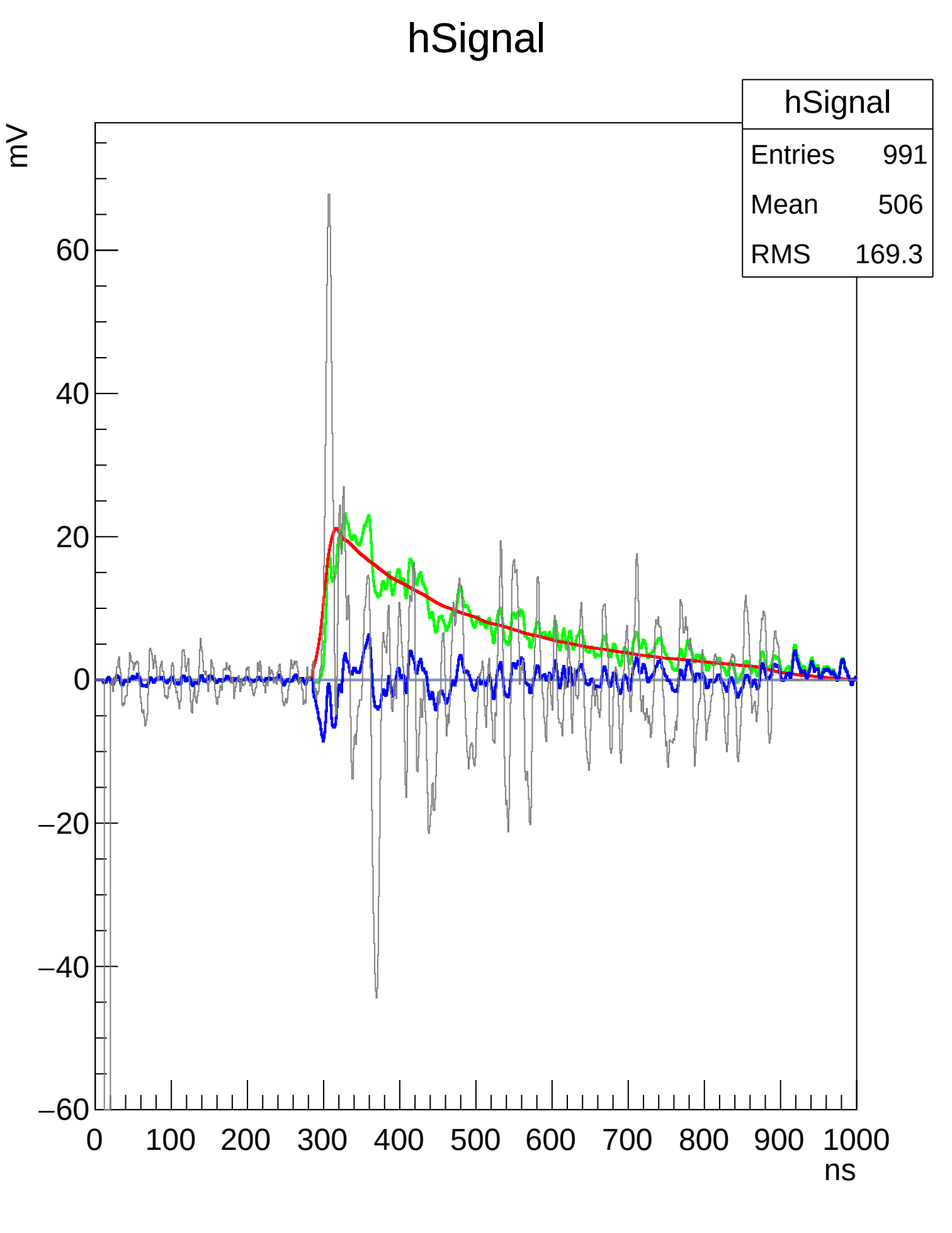
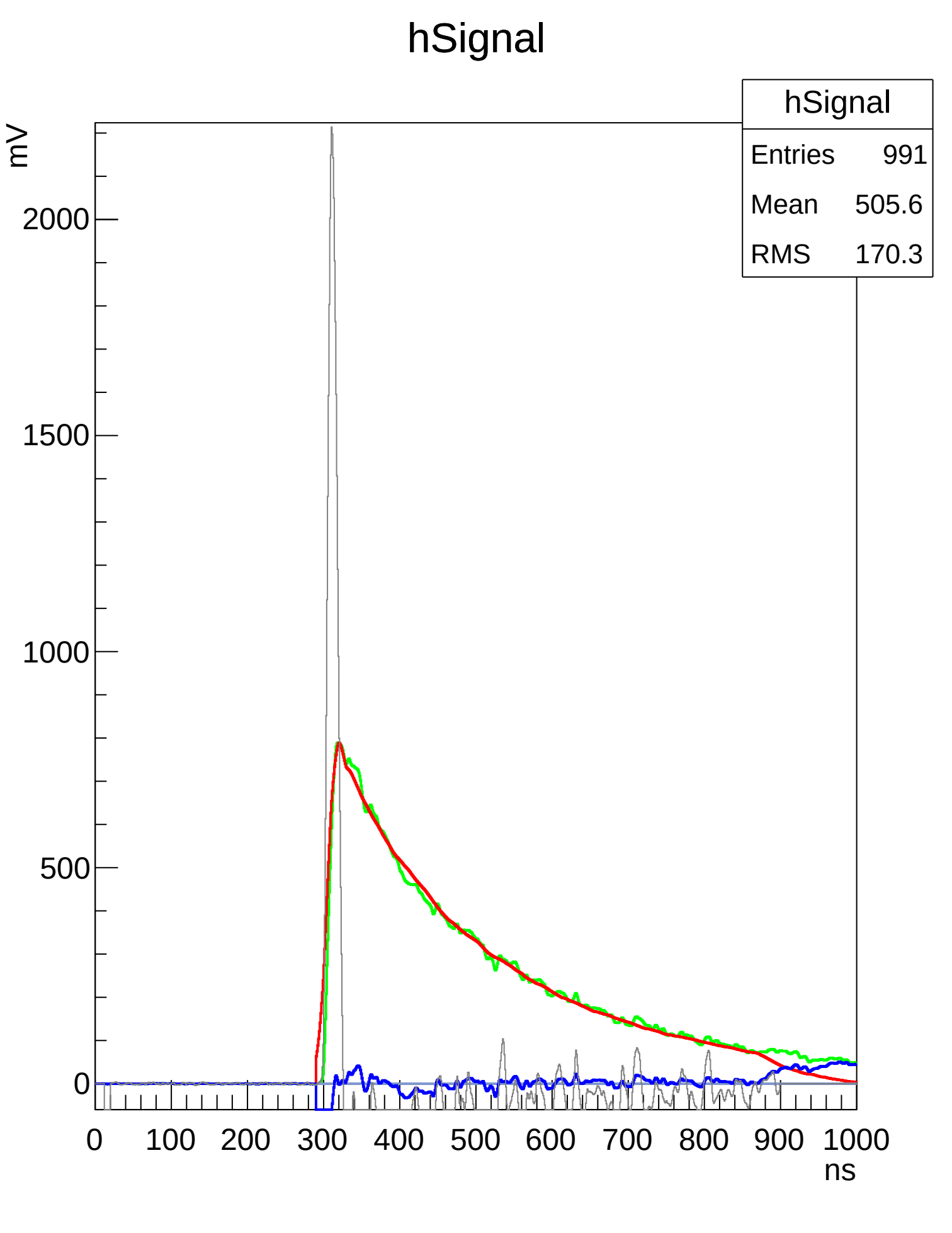
600
700
800
900
1000
ns

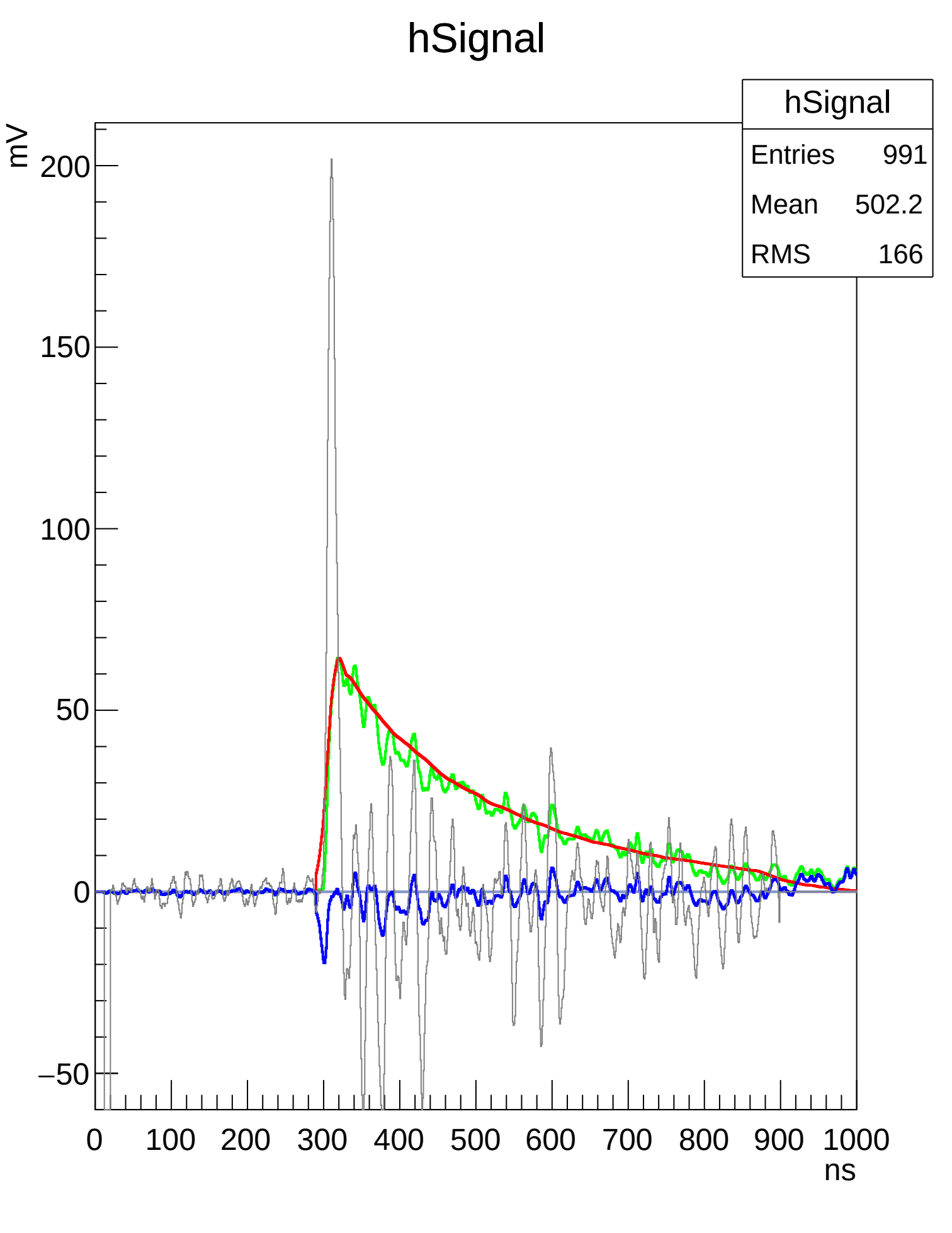

hSignal
hSignal
Entries 991
Mean 502.7
RMS 170.7
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

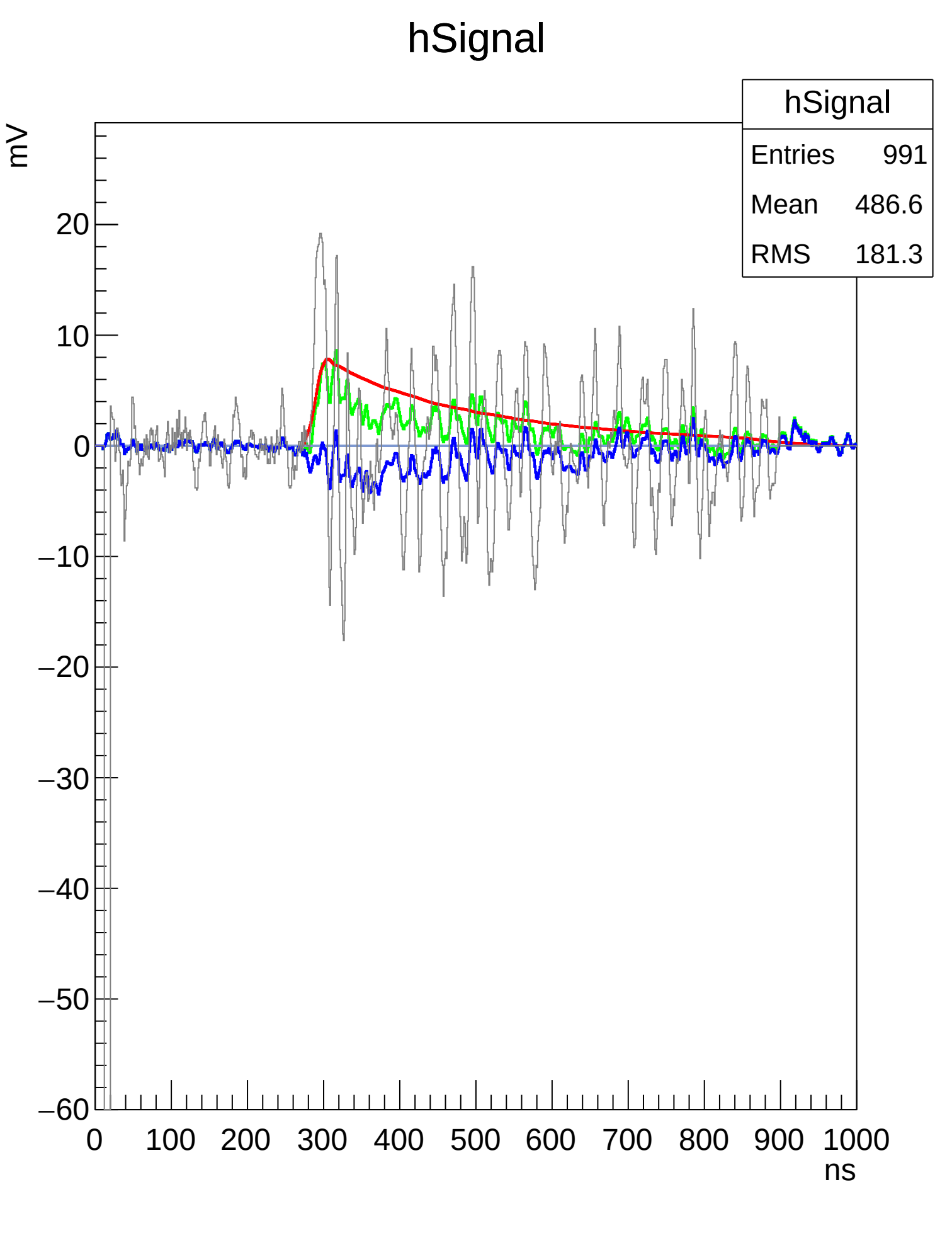

hSignal
hSignal
Entries 991
Mean 505.4
RMS 170.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

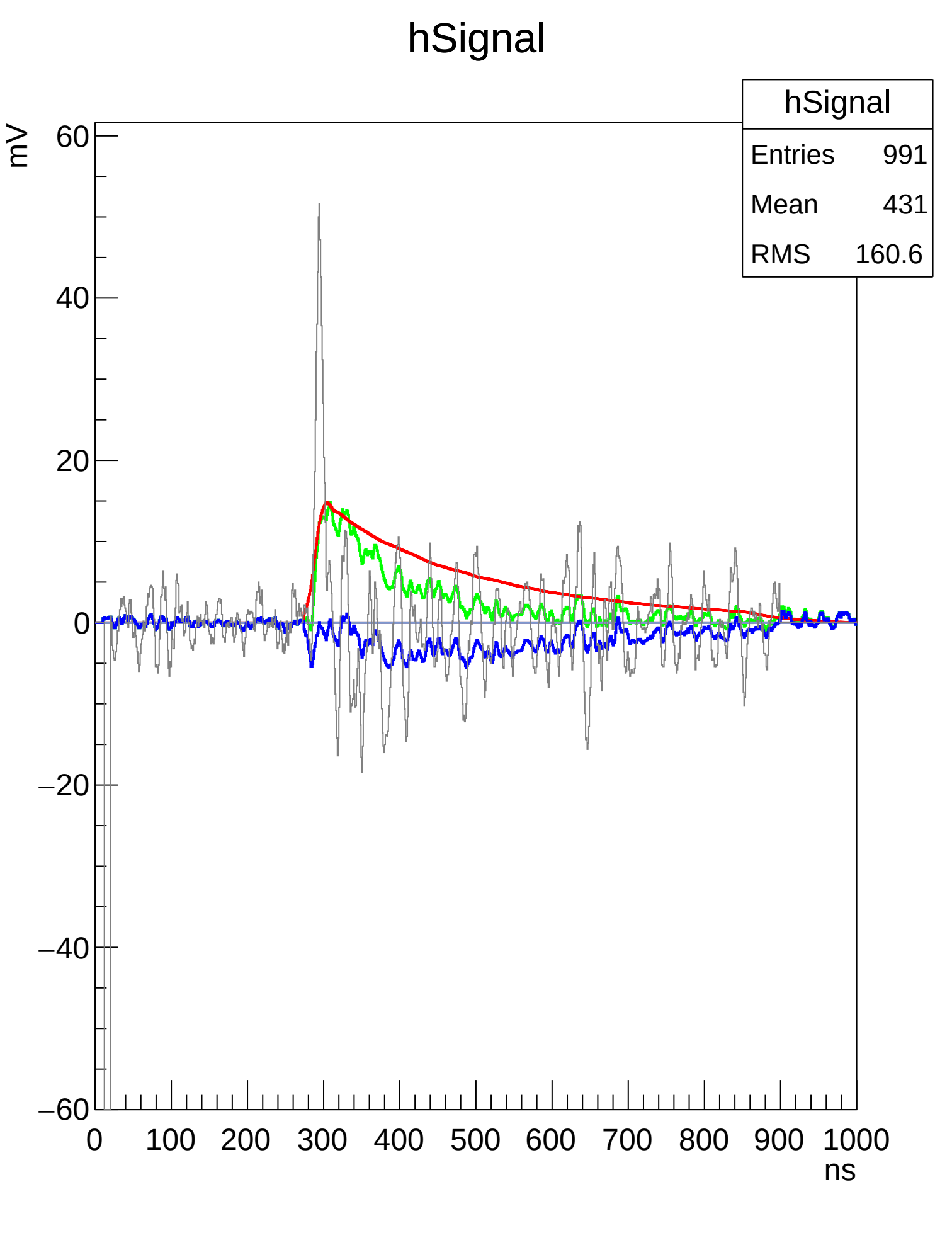

hSignal
hSignal
Entries 991
Mean 482.5
RMS 138.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

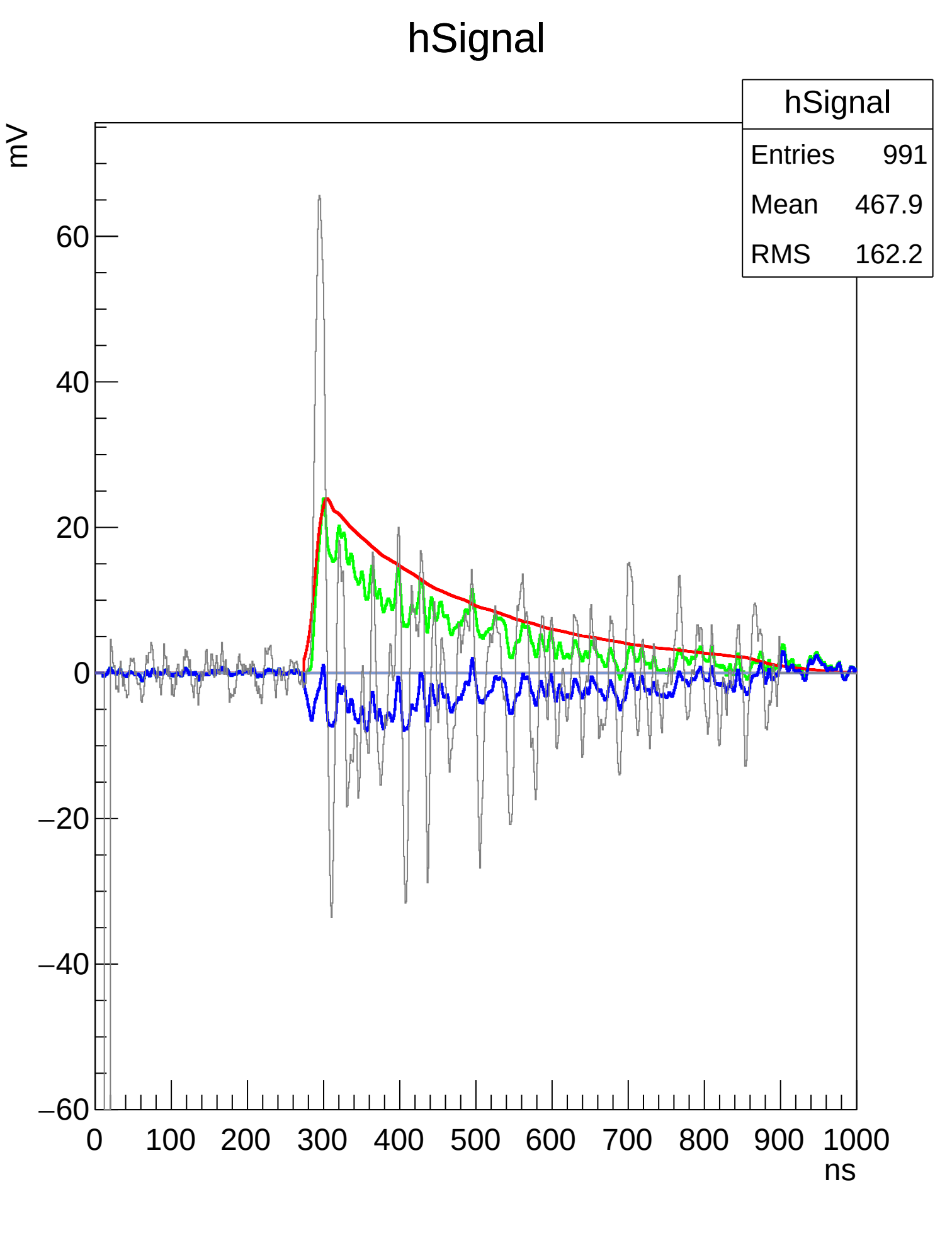

hSignal
hSignal
Entries 991
Mean 506
RMS 169.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

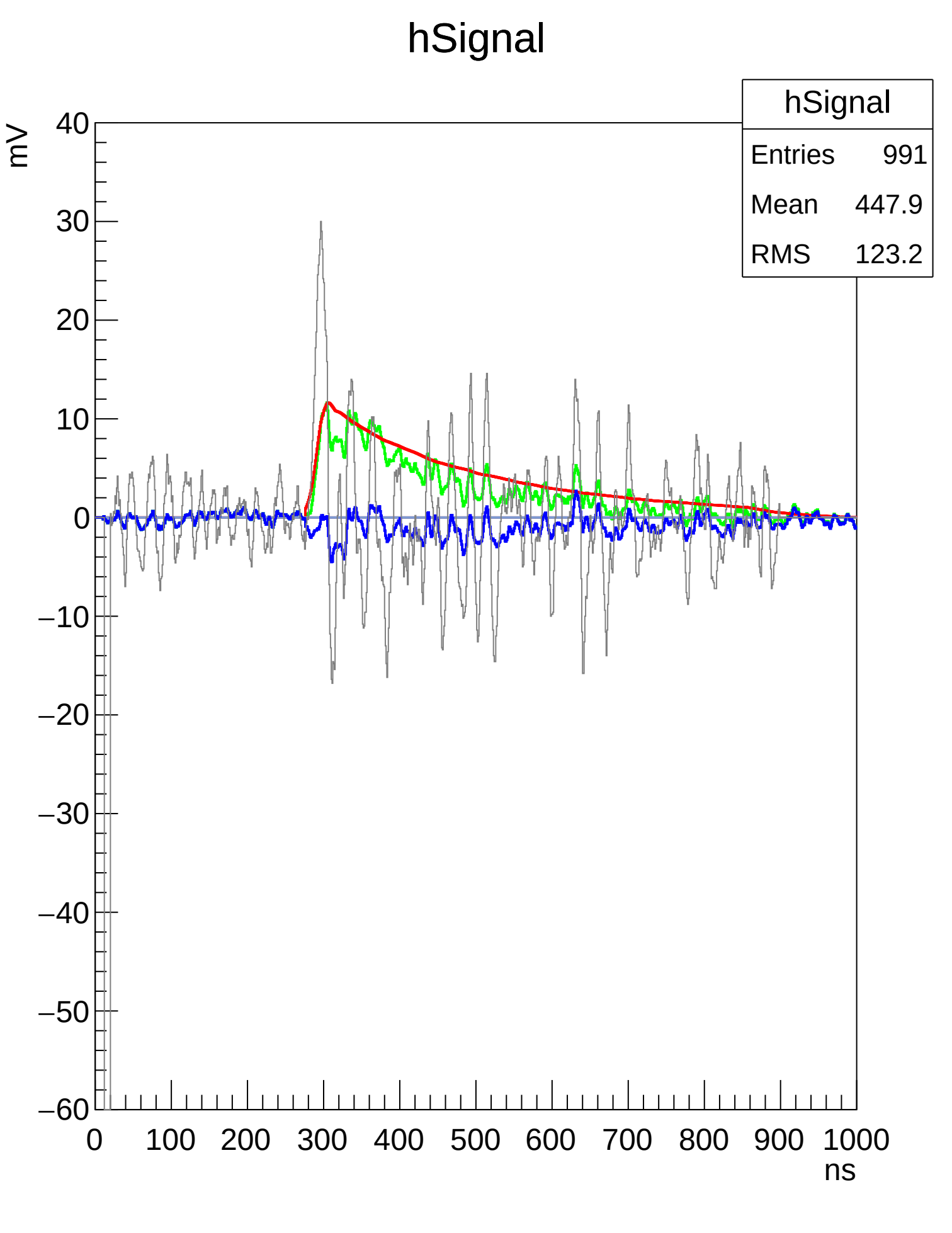

hSignal
hSignal
Entries 991
Mean 505.6
RMS 170.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

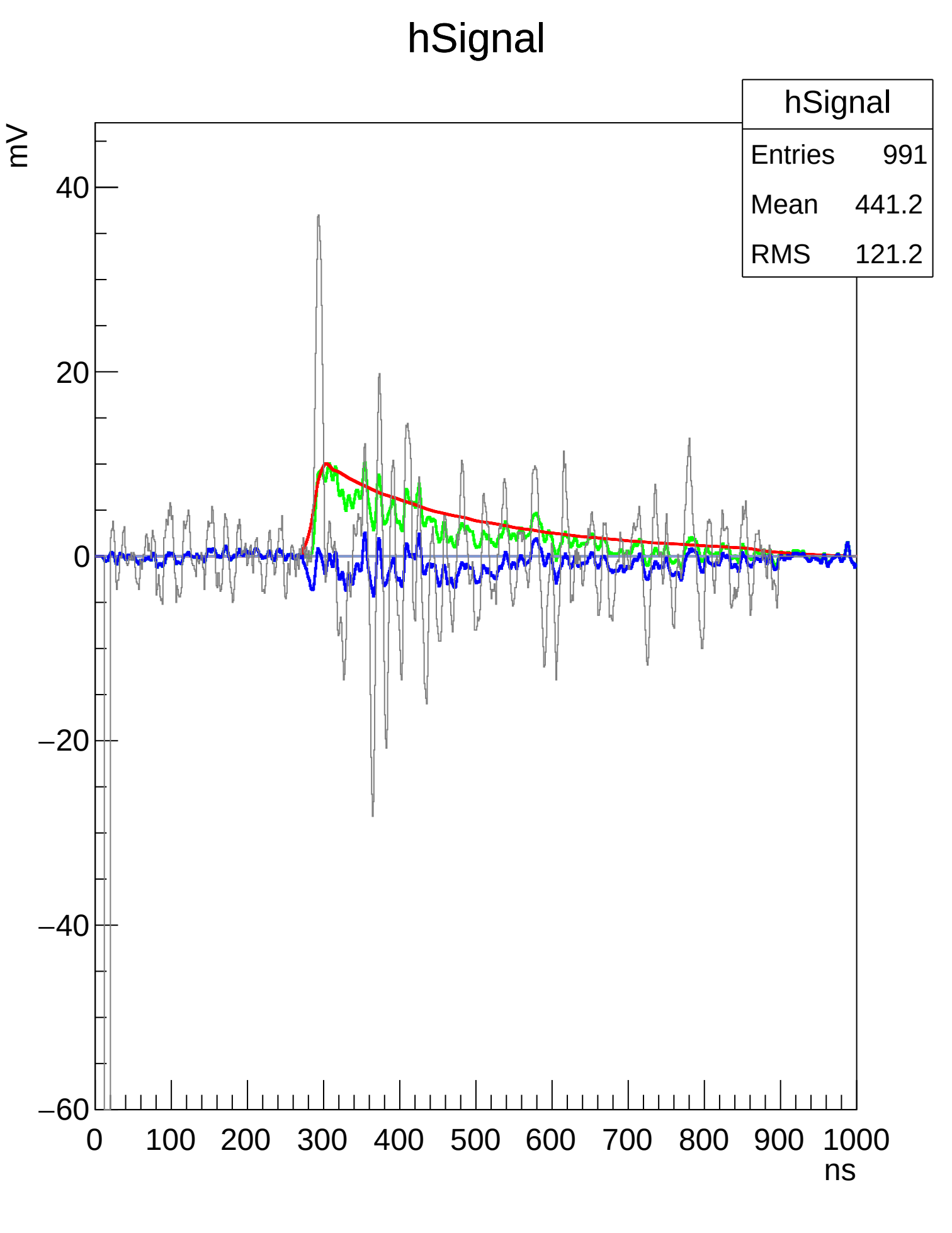

hSignal
hSignal
Entries 991
Mean 502.2
RMS 166
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

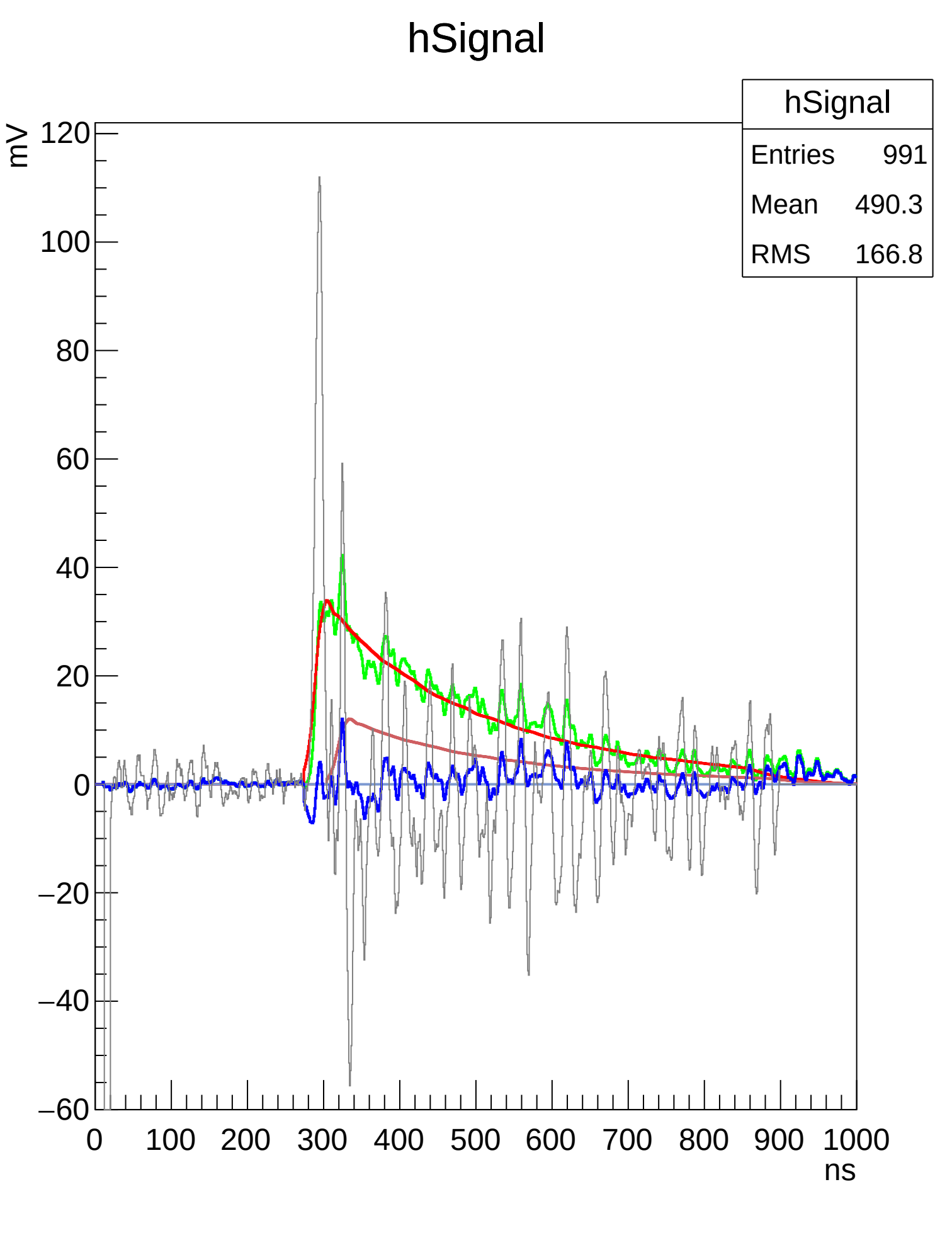

hSignal
hSignal
Entries 991
Mean 486.6
RMS 181.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

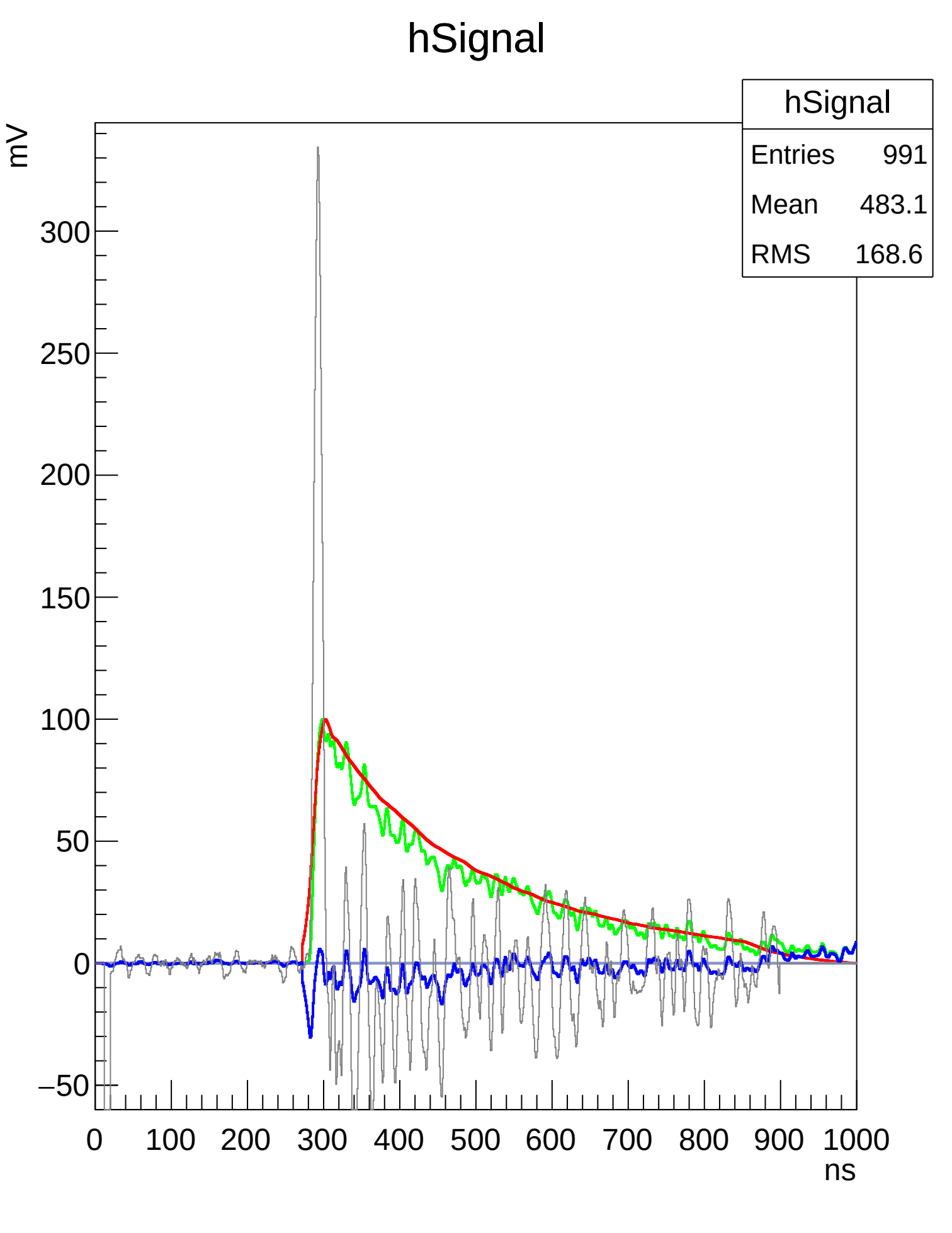

hSignal
hSignal
Entries 991
Mean 431
RMS 160.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

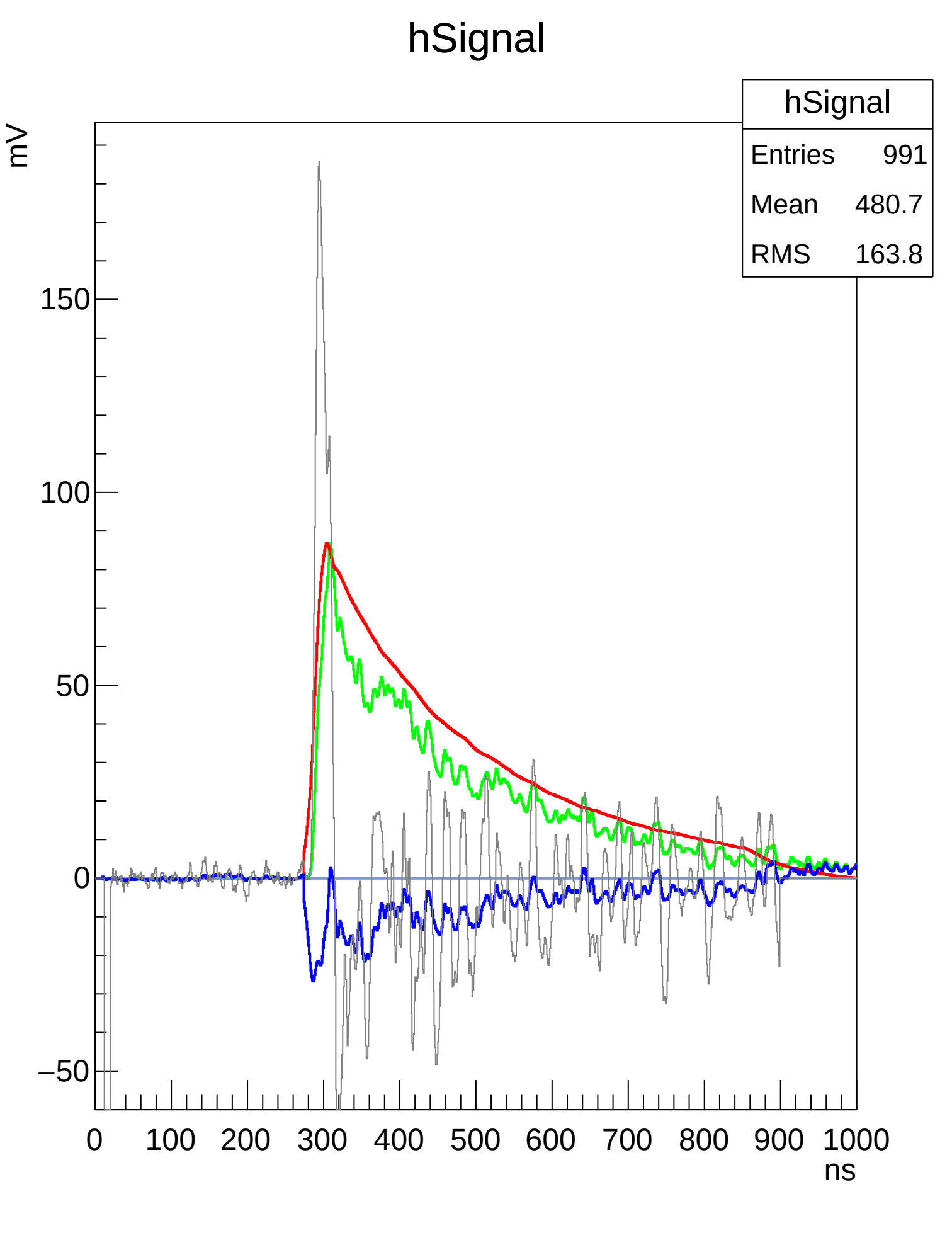

hSignal
hSignal
Entries 991
Mean 467.9
RMS 162.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 447.9
RMS 123.2
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 441.2
RMS 121.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490.3
RMS 166.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.1
RMS 168.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.7
RMS 163.8
mV
150
100
50
0
−50
0
100
200
300
400
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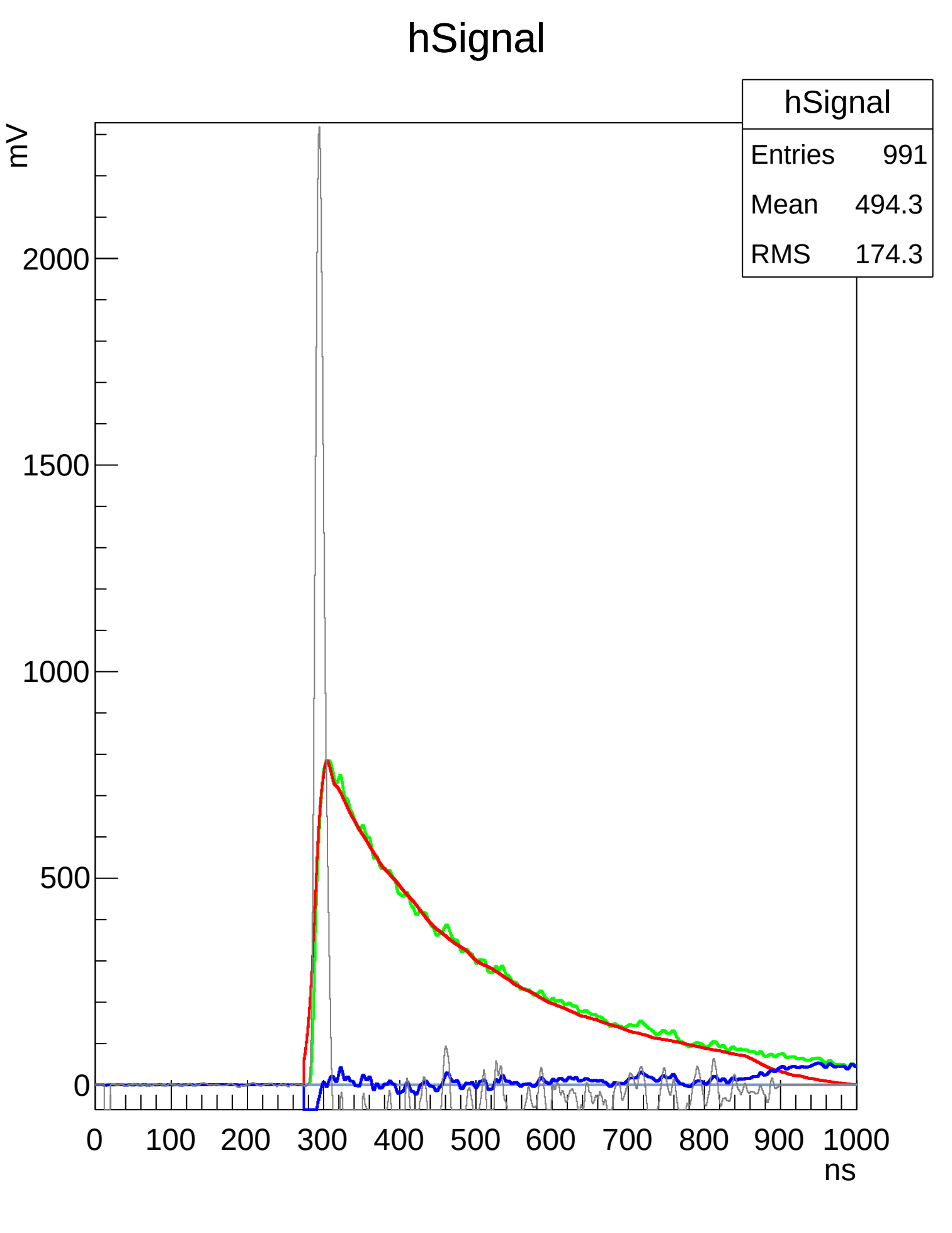
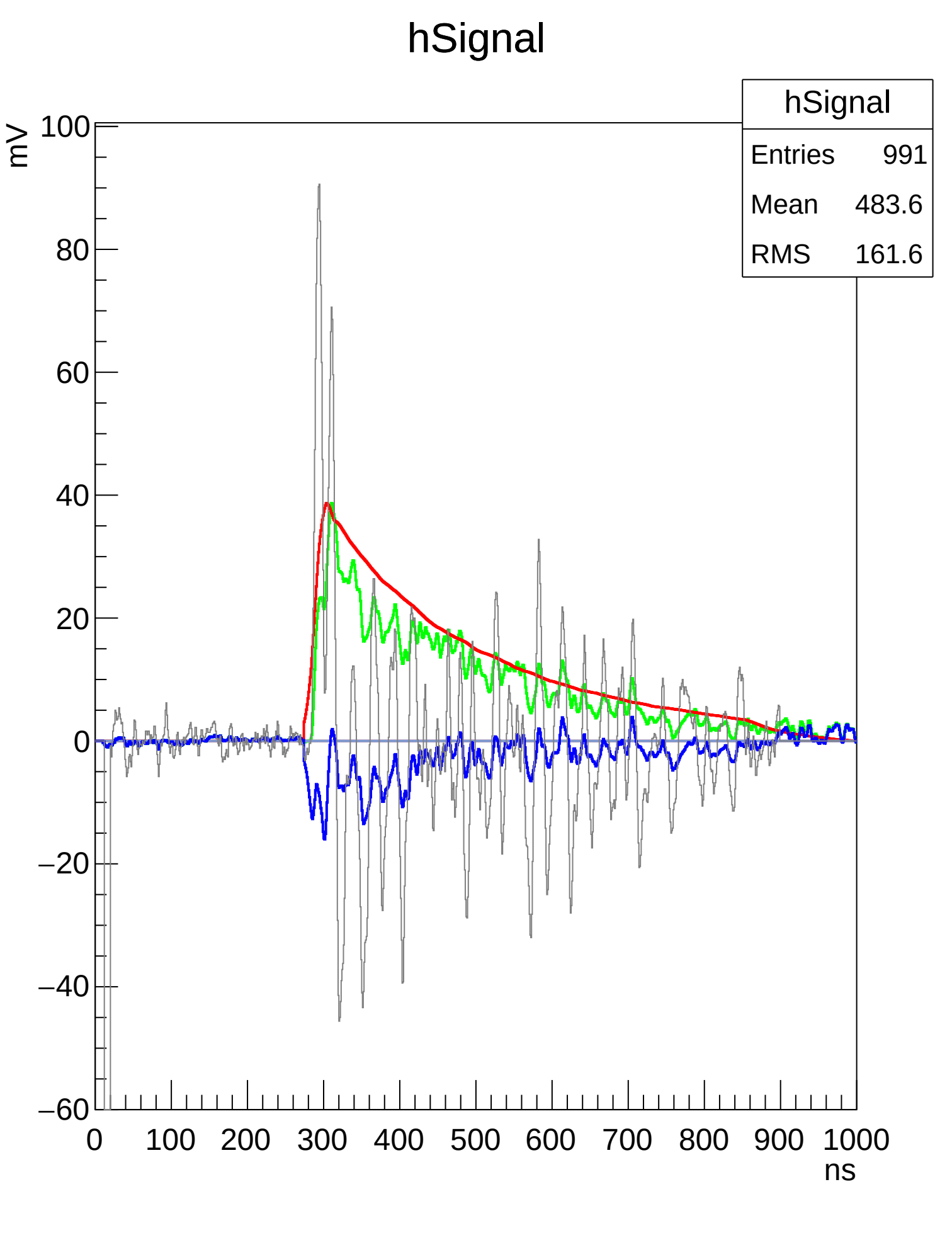
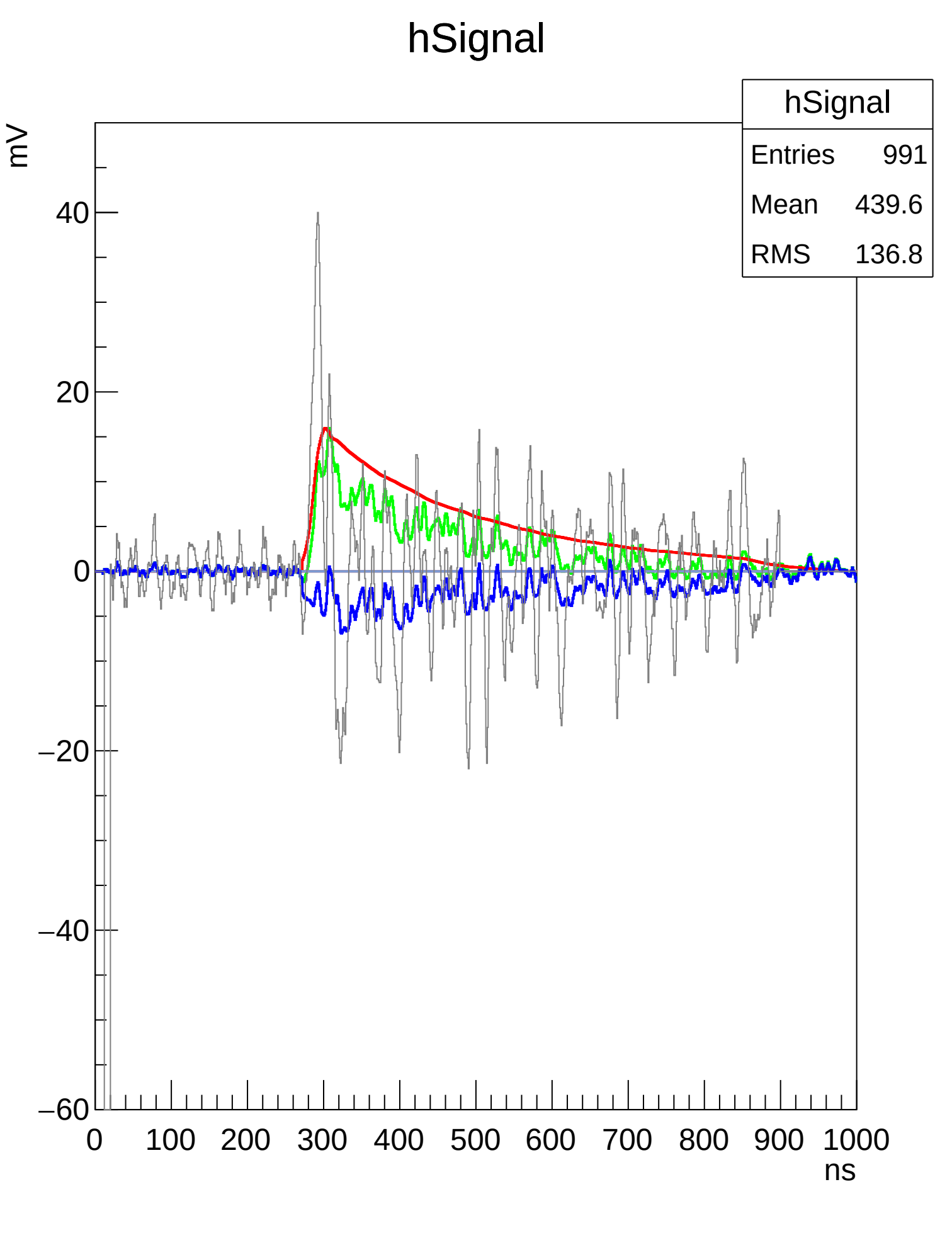
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 494.3
RMS 174.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.6
RMS 161.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 439.6
RMS 136.8
mV
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0
−20
−40
−60
0
100
200
300
400
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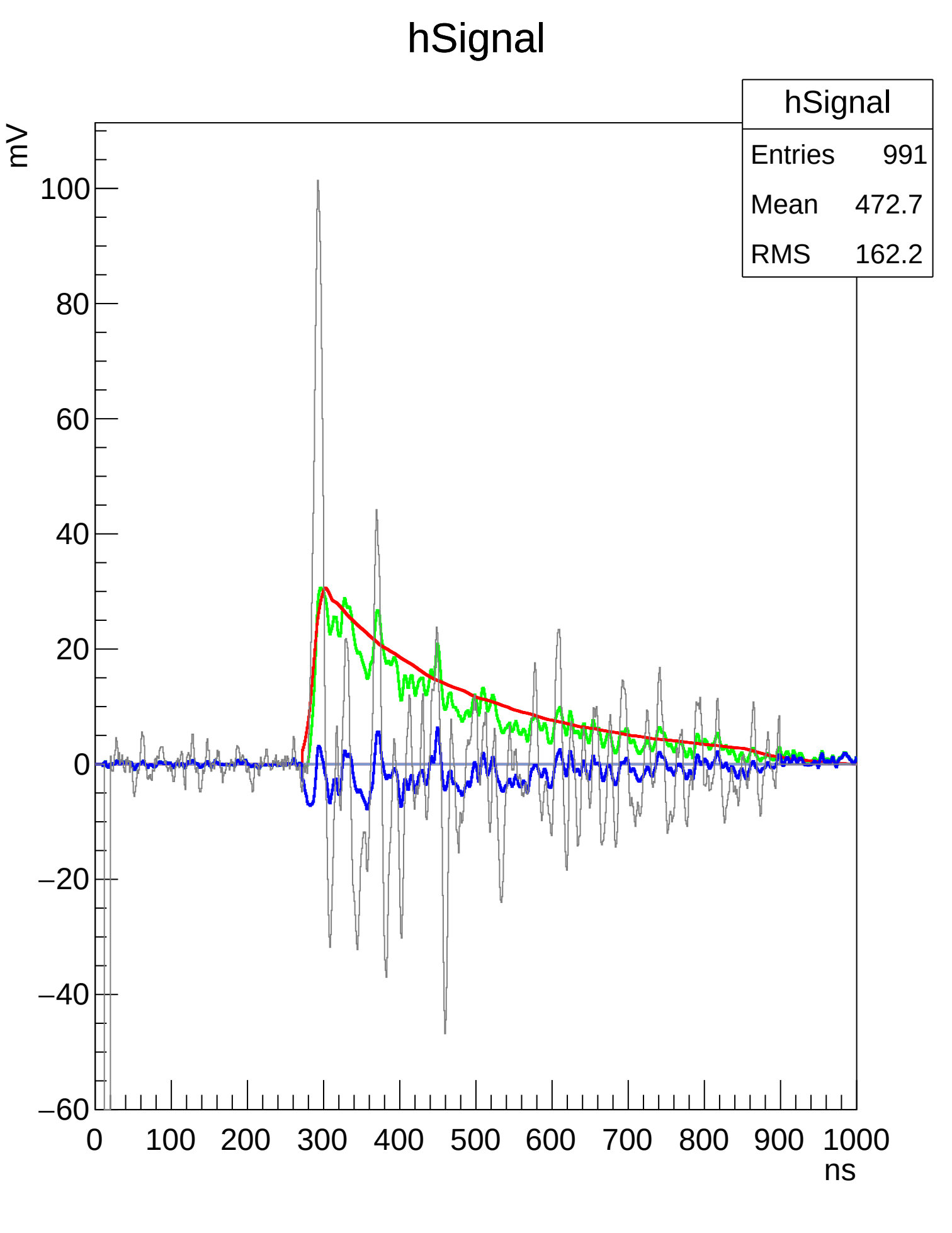
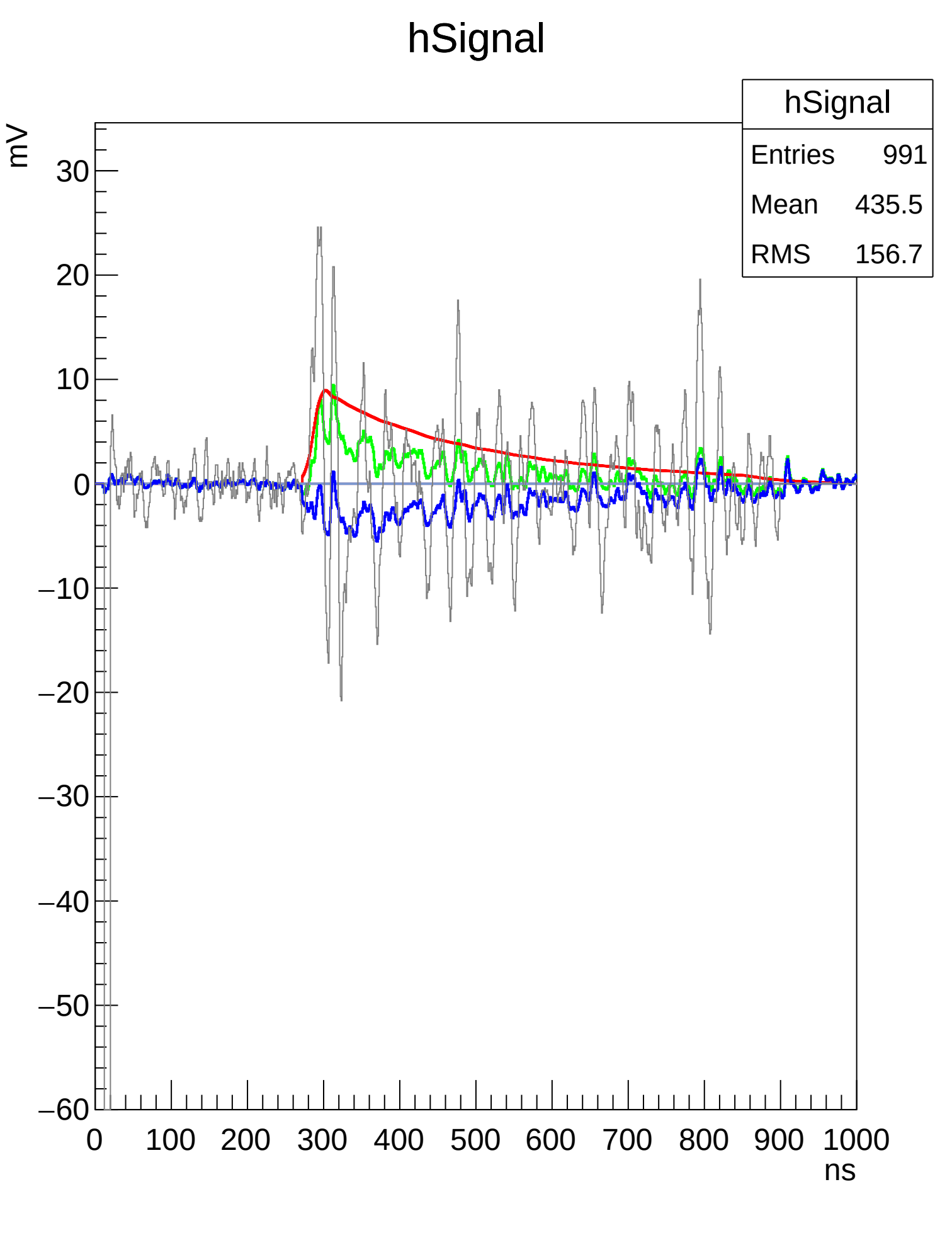
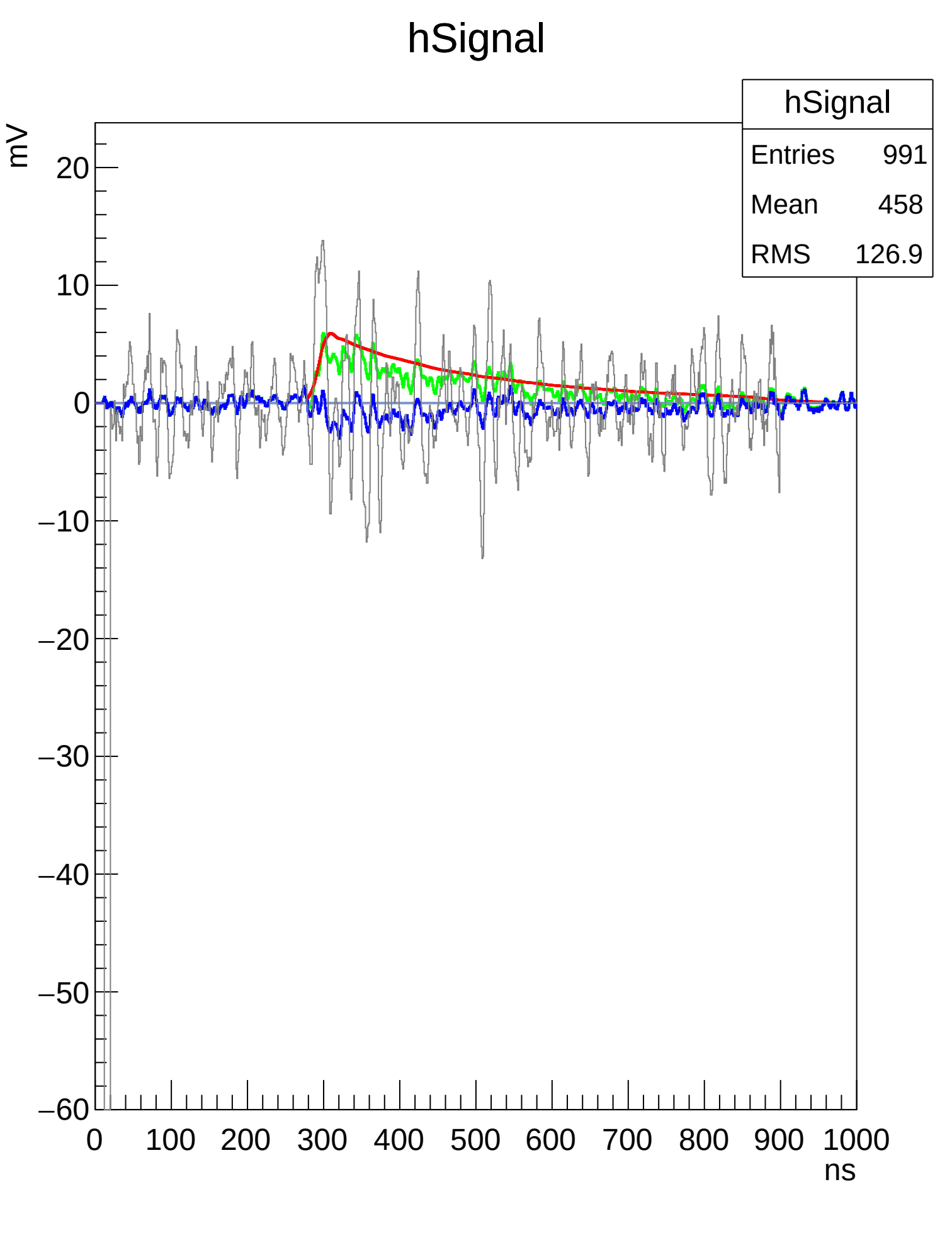
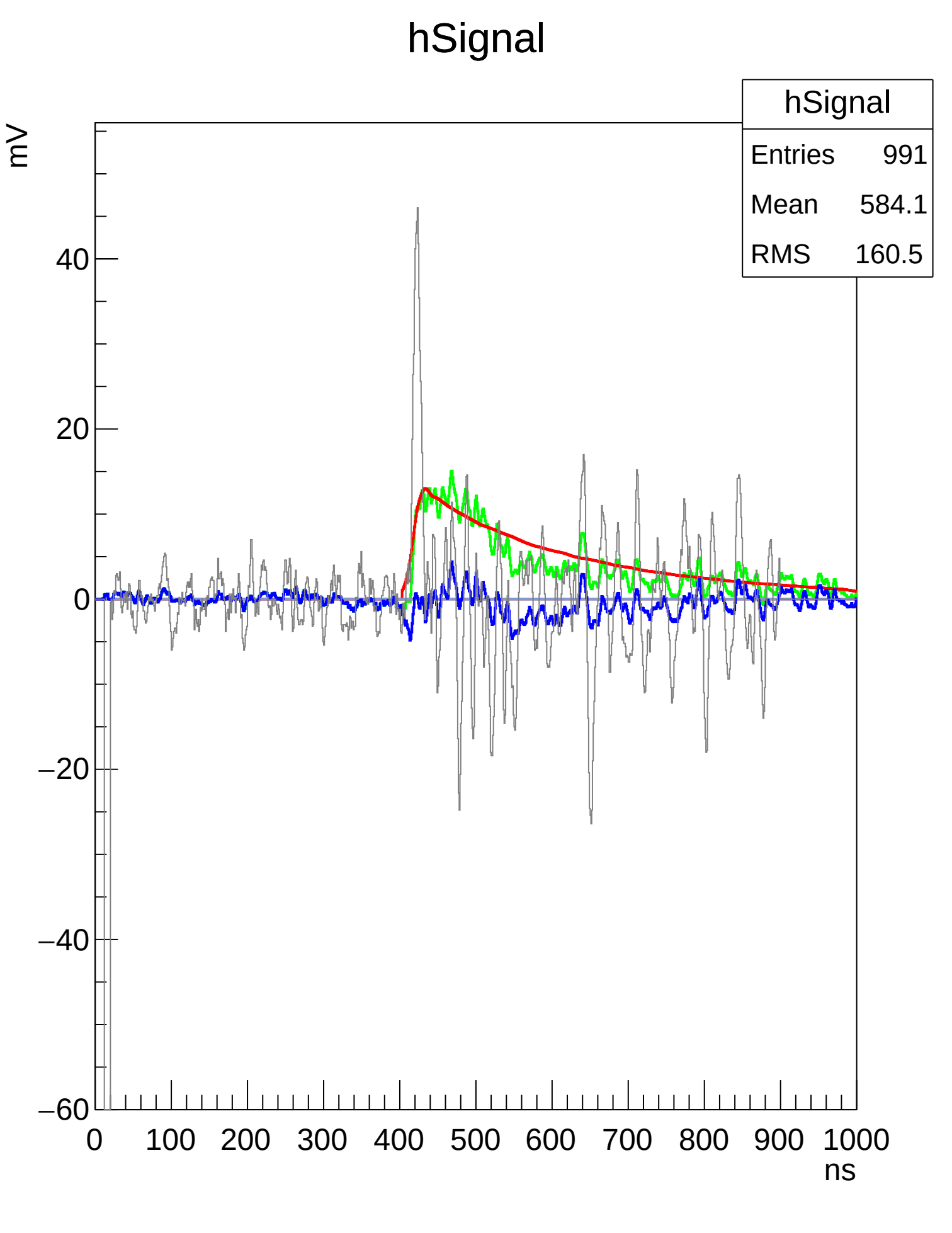
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 472.7
RMS 162.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 435.5
RMS 156.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 458
RMS 126.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 160.5
mV
40
20
0
−20
−40
−60
0
100
200
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400
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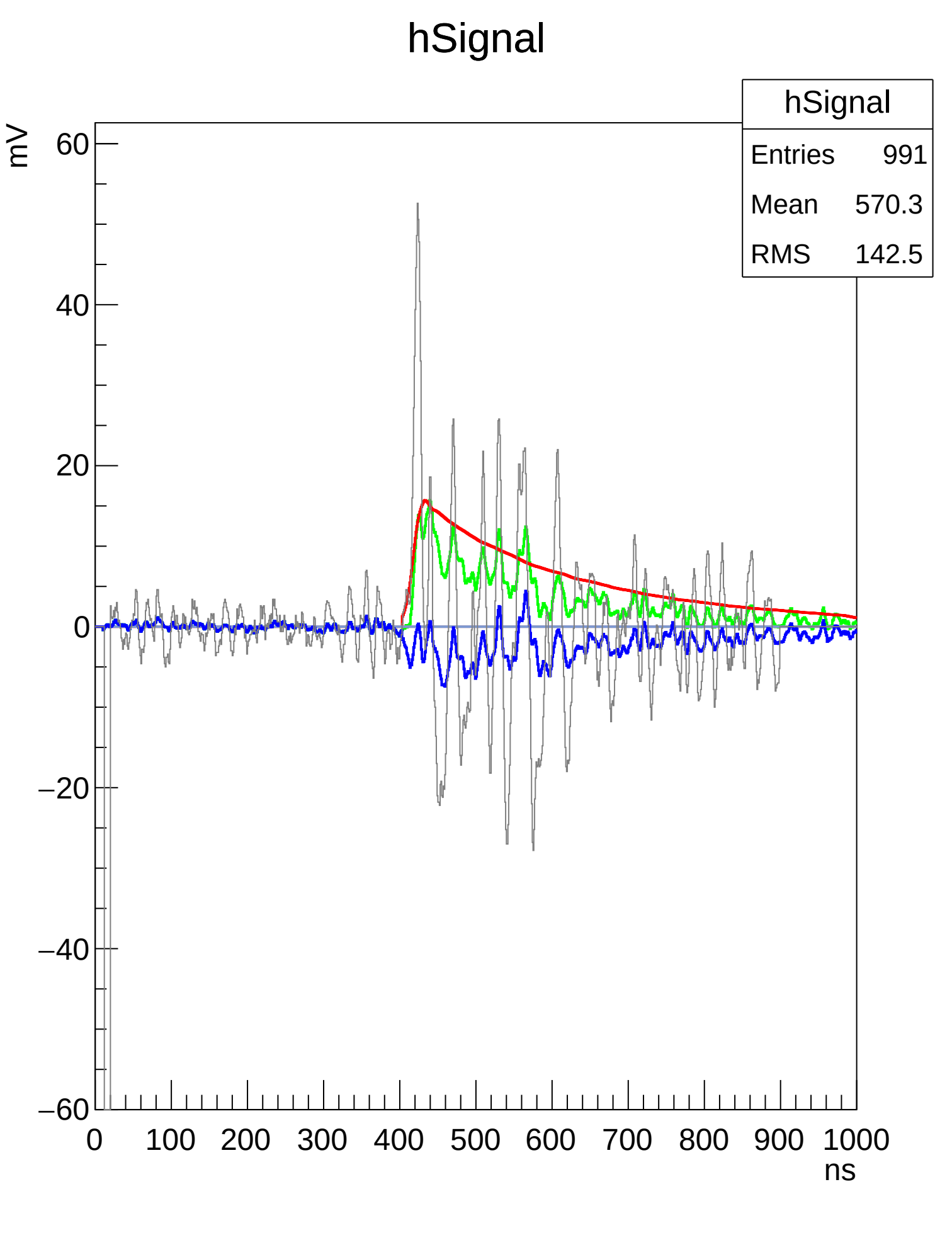
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.3
RMS 142.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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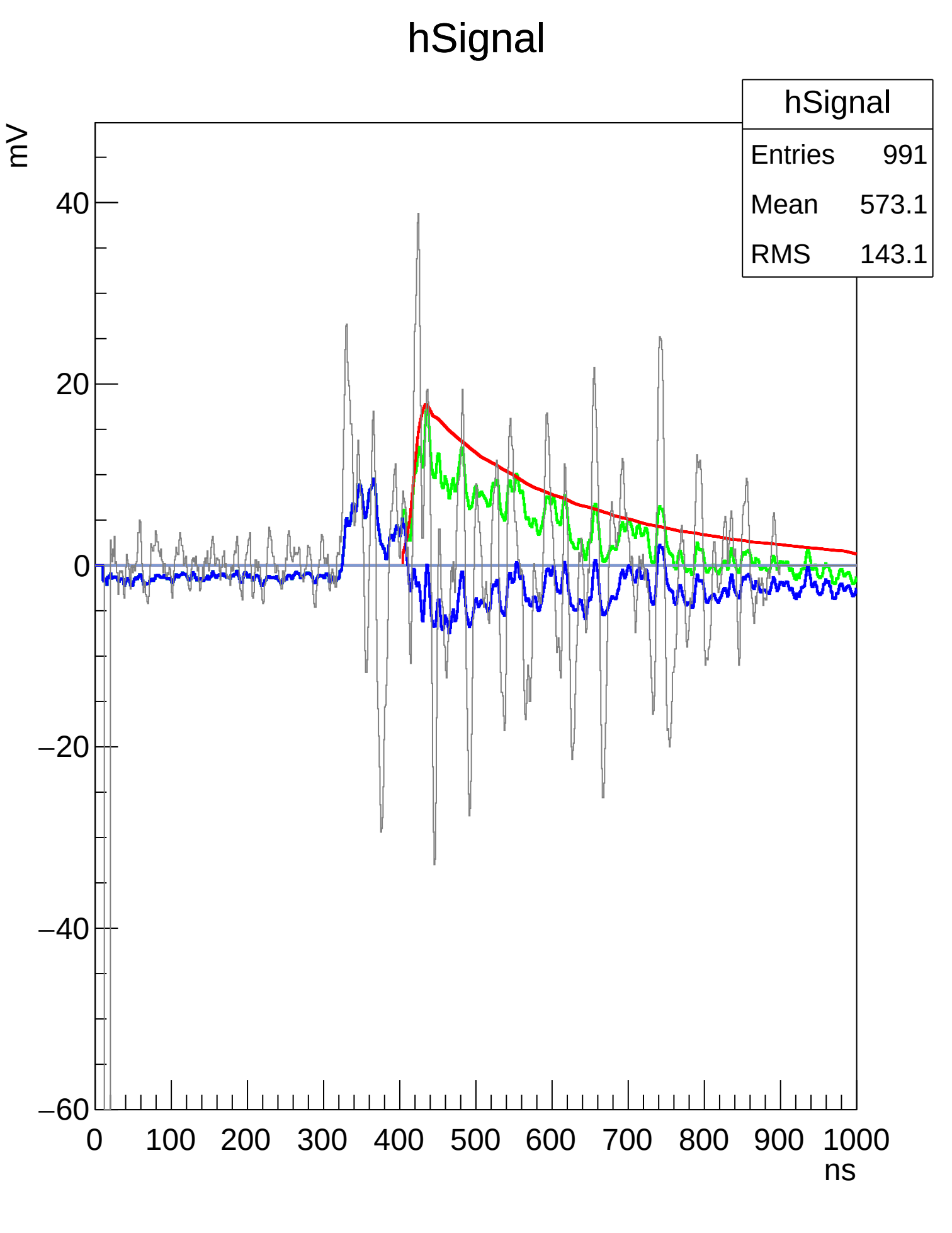
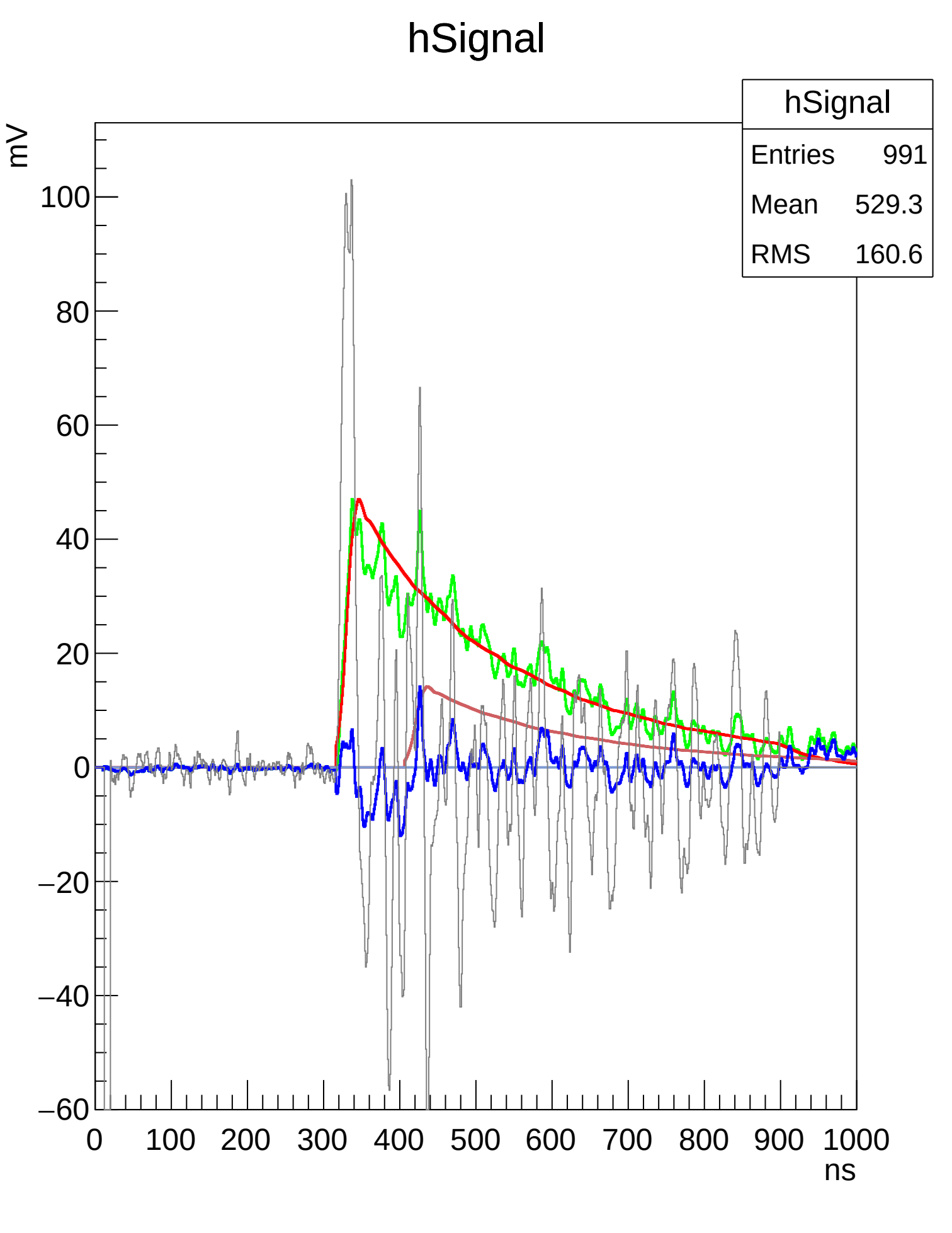
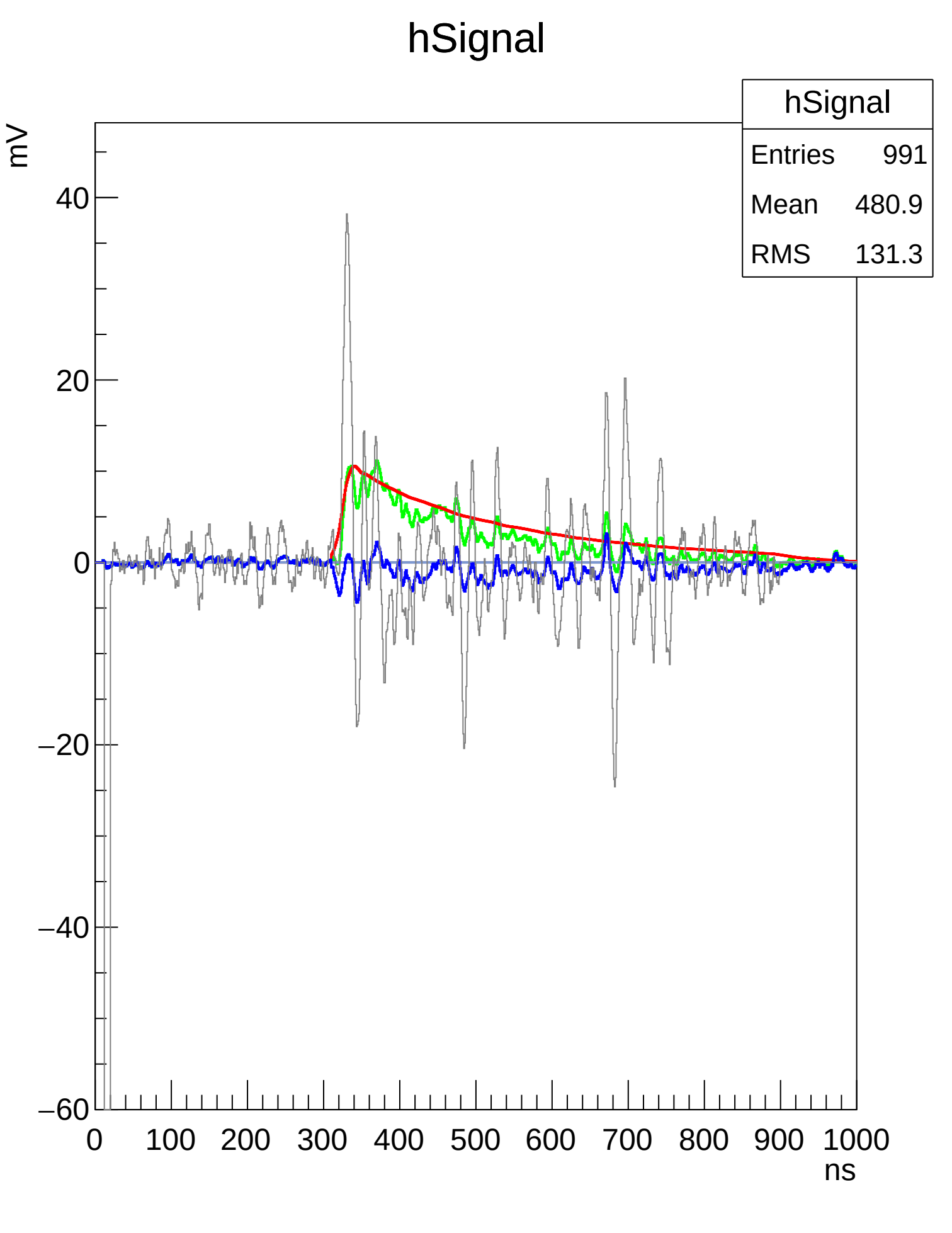
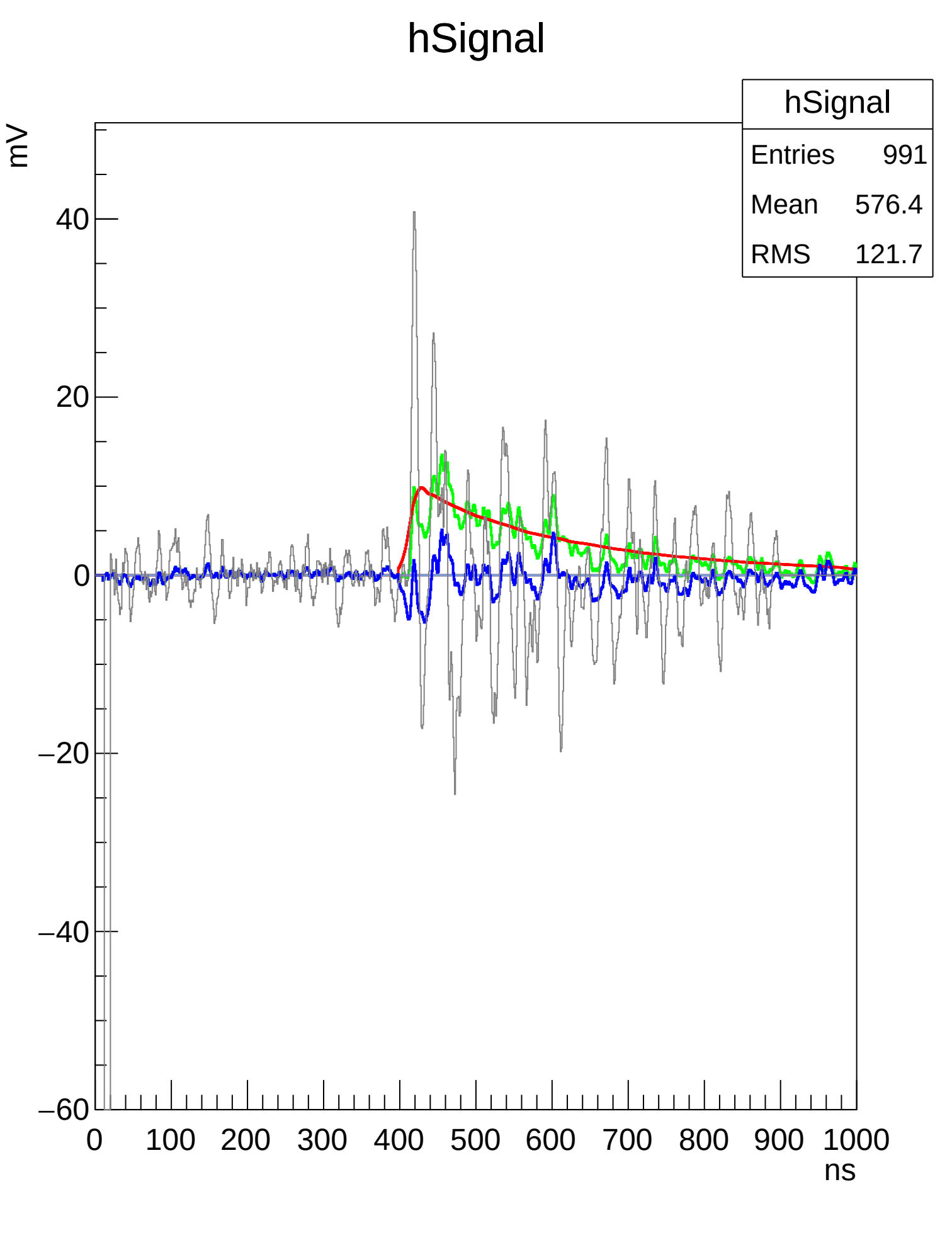
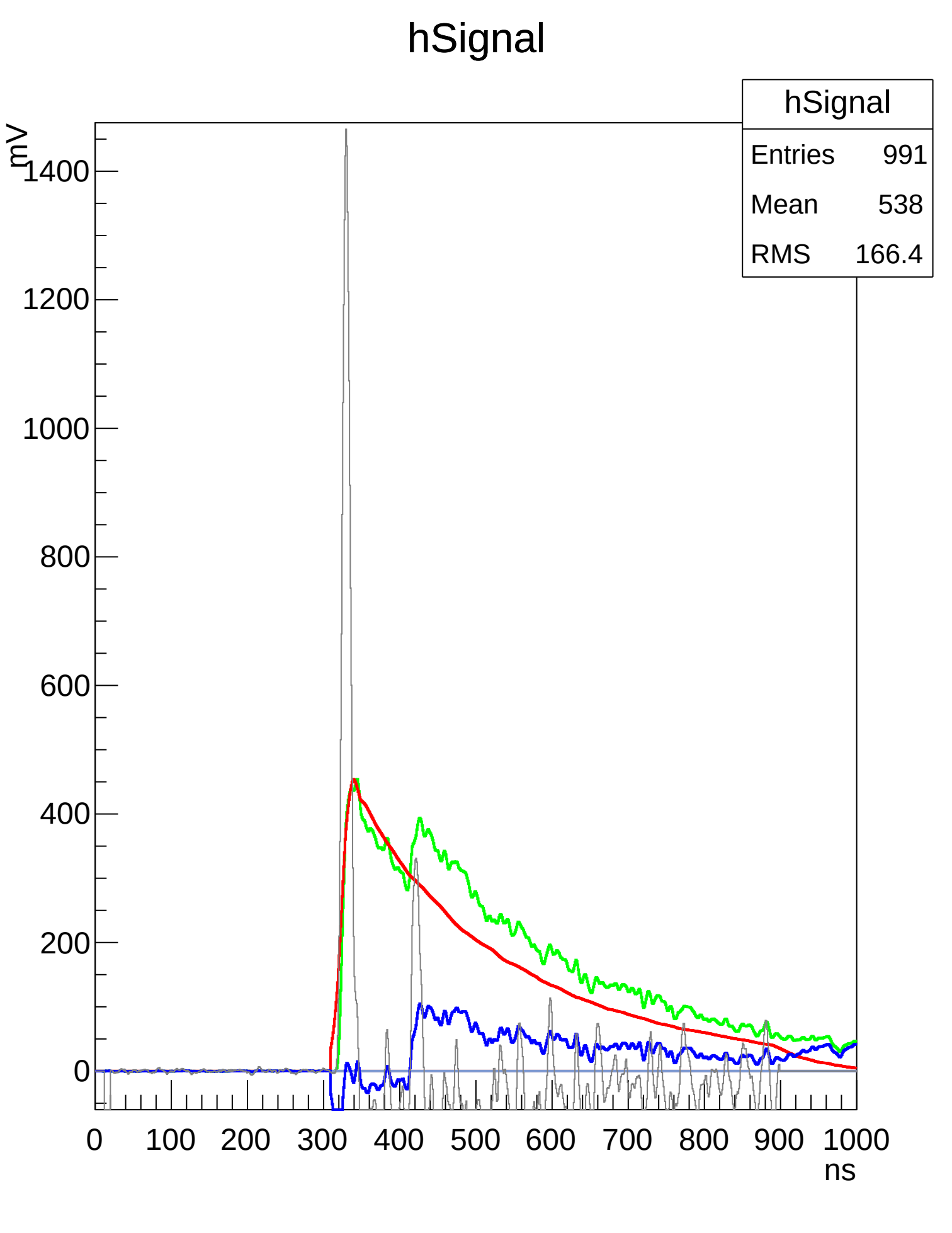
600
700
800
900
1000
ns

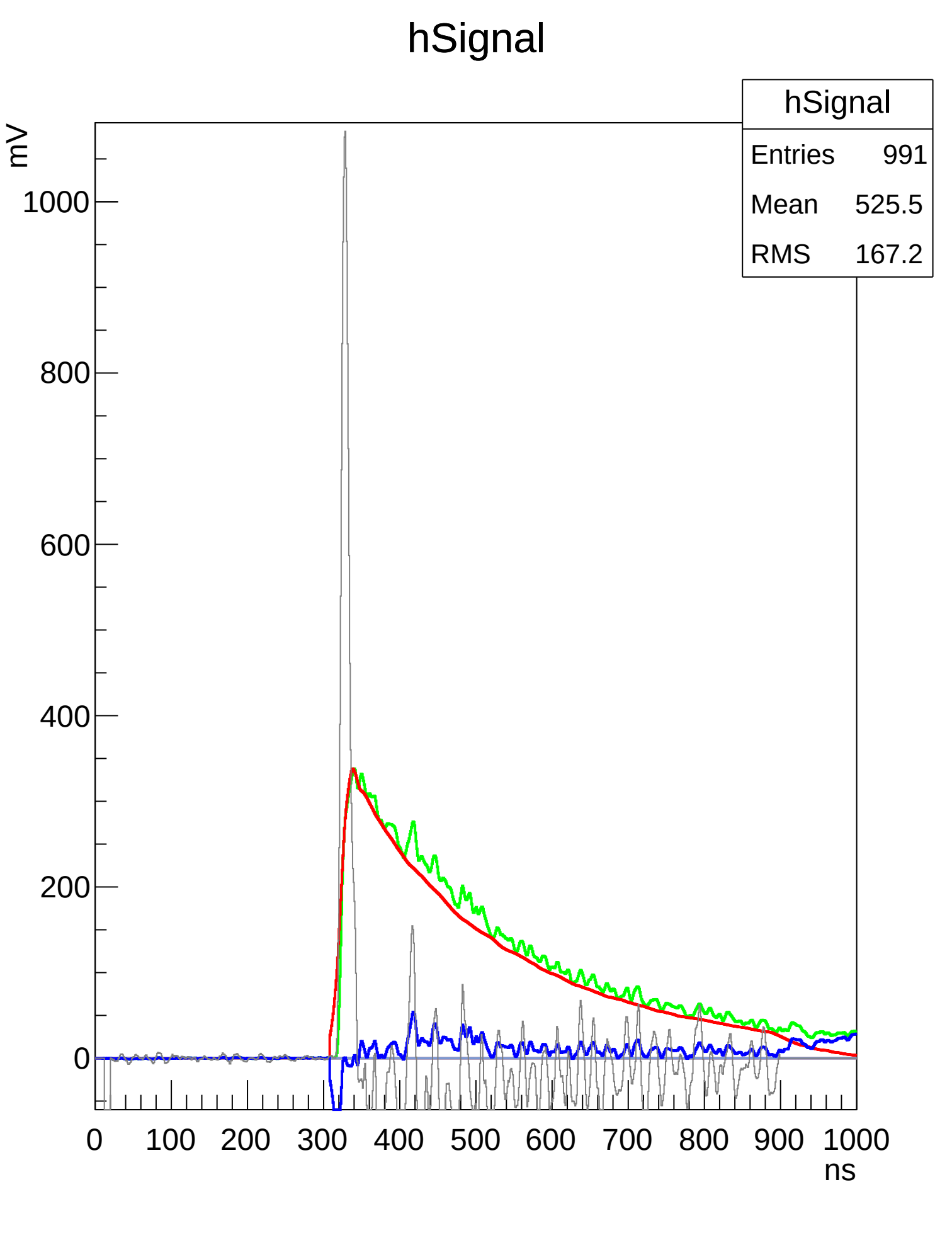

hSignal
hSignal
Entries 991
Mean 573.1
RMS 143.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

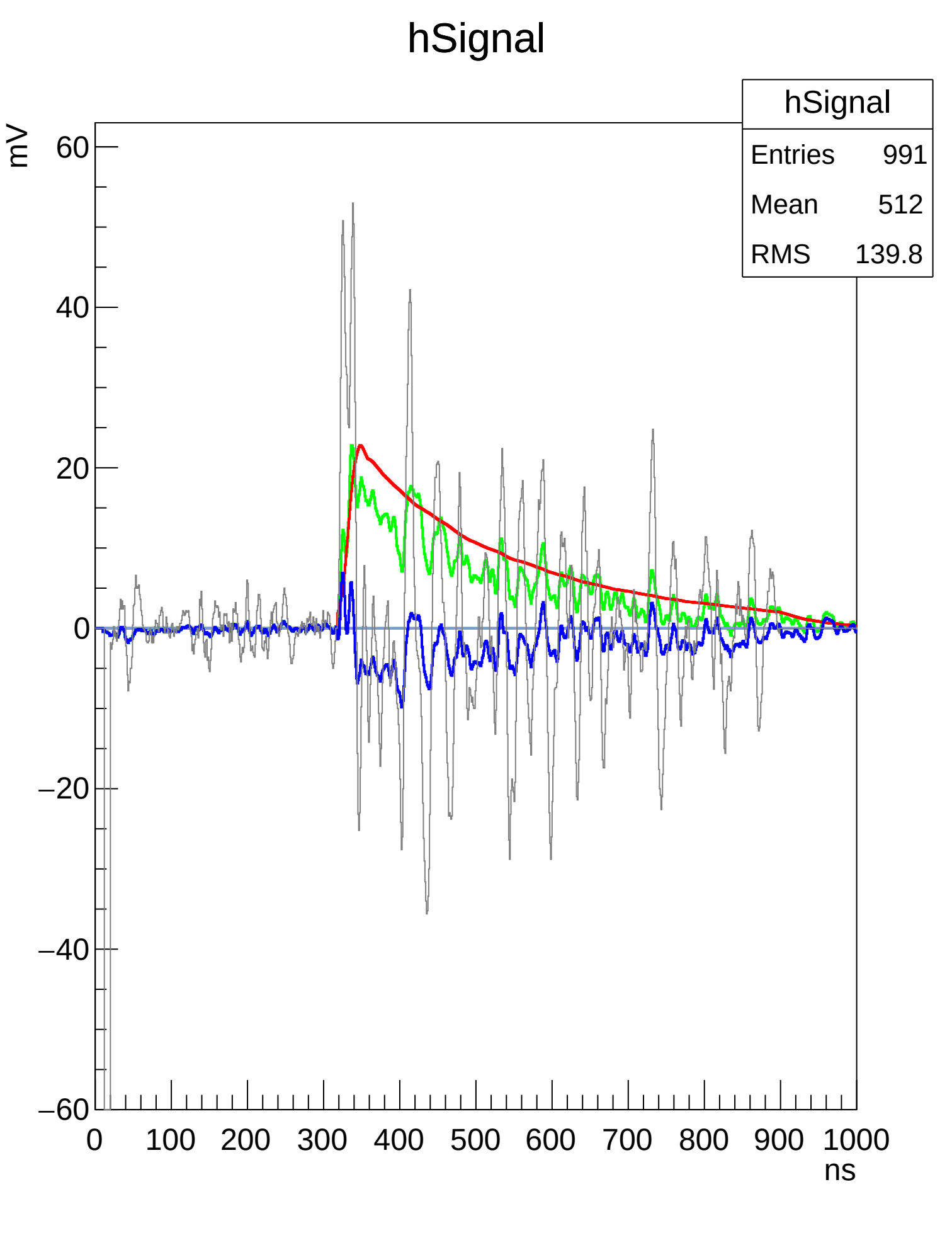

hSignal
hSignal
Entries 991
Mean 529.3
RMS 160.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

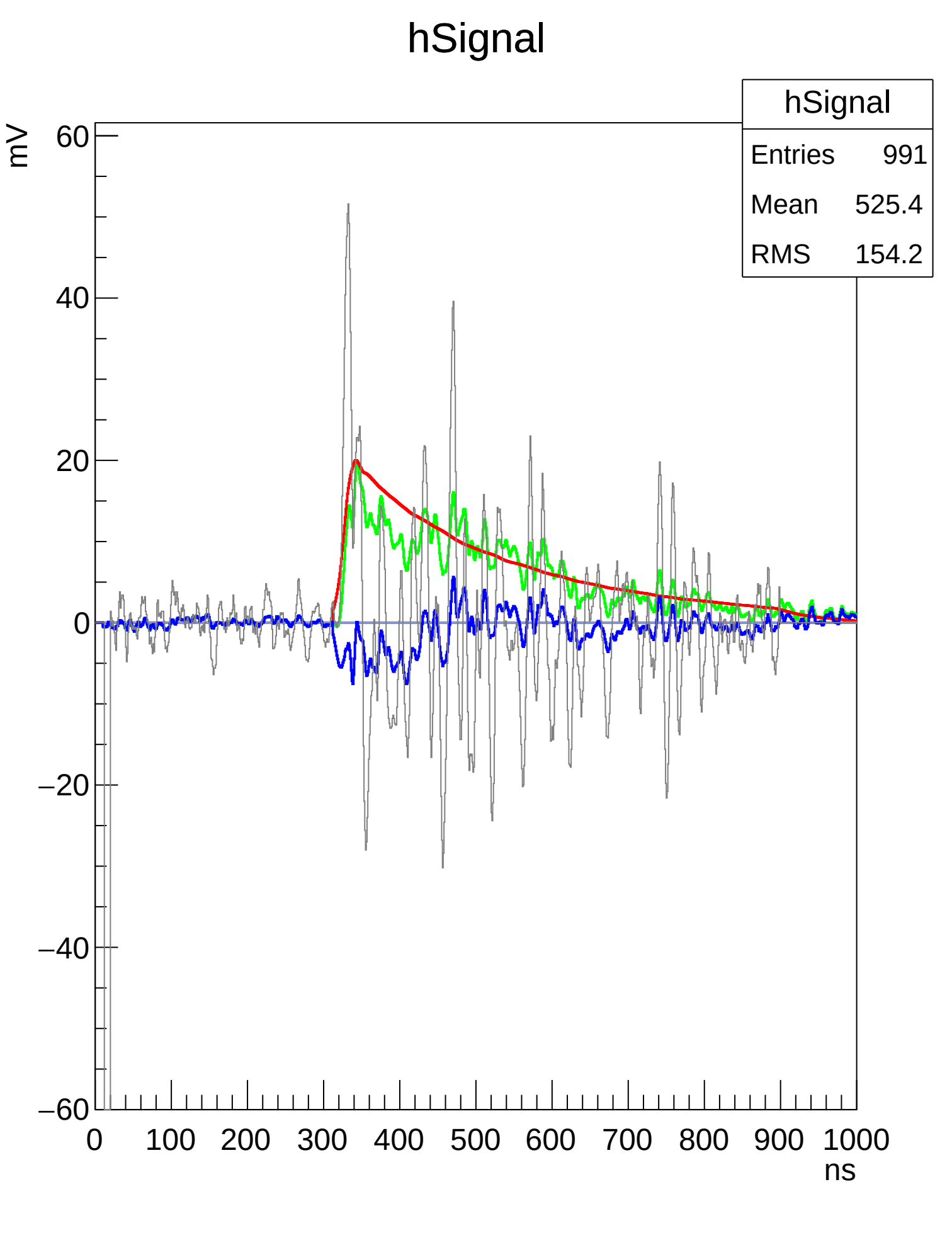

hSignal
hSignal
Entries 991
Mean 480.9
RMS 131.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

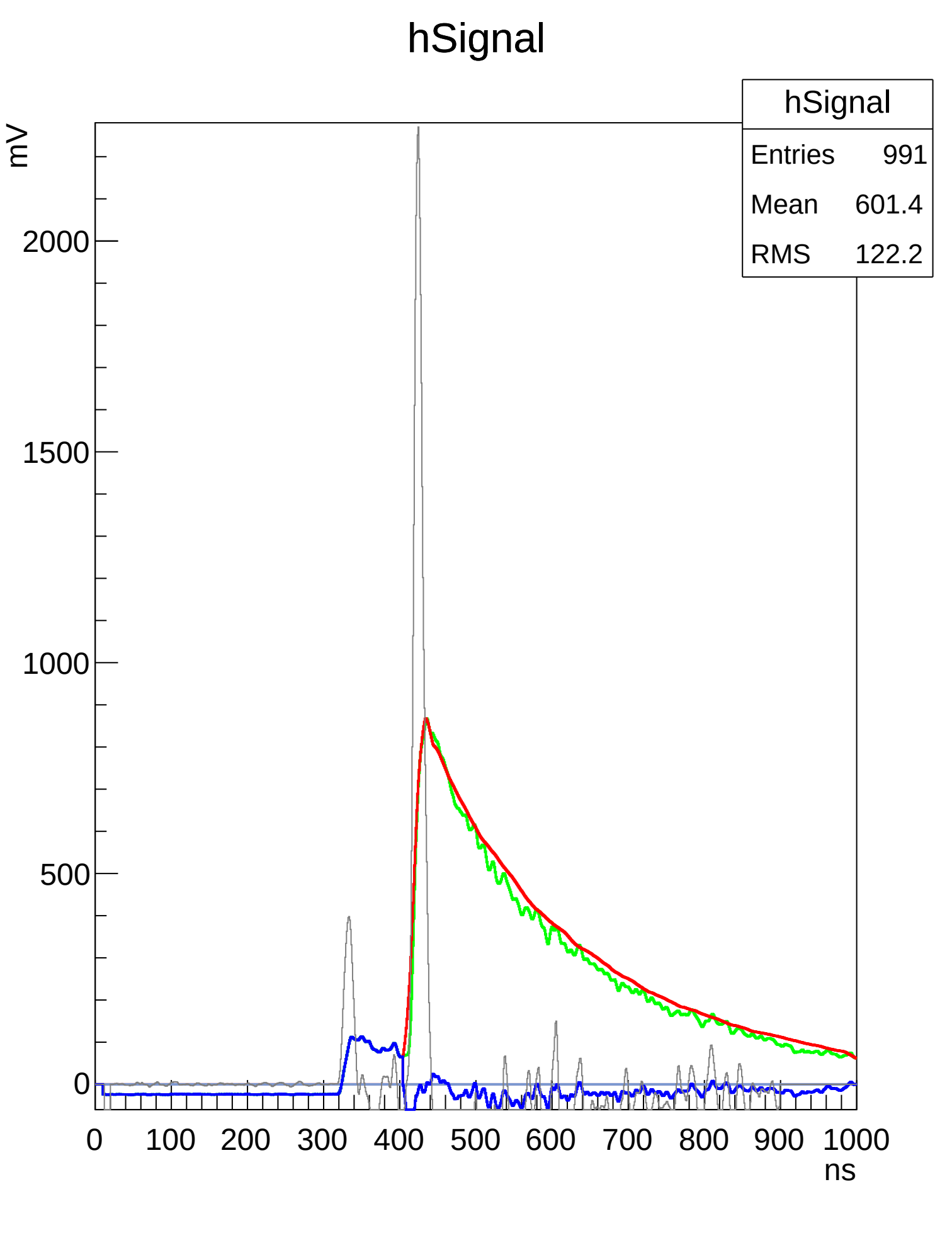

hSignal
hSignal
Entries 991
Mean 576.4
RMS 121.7
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

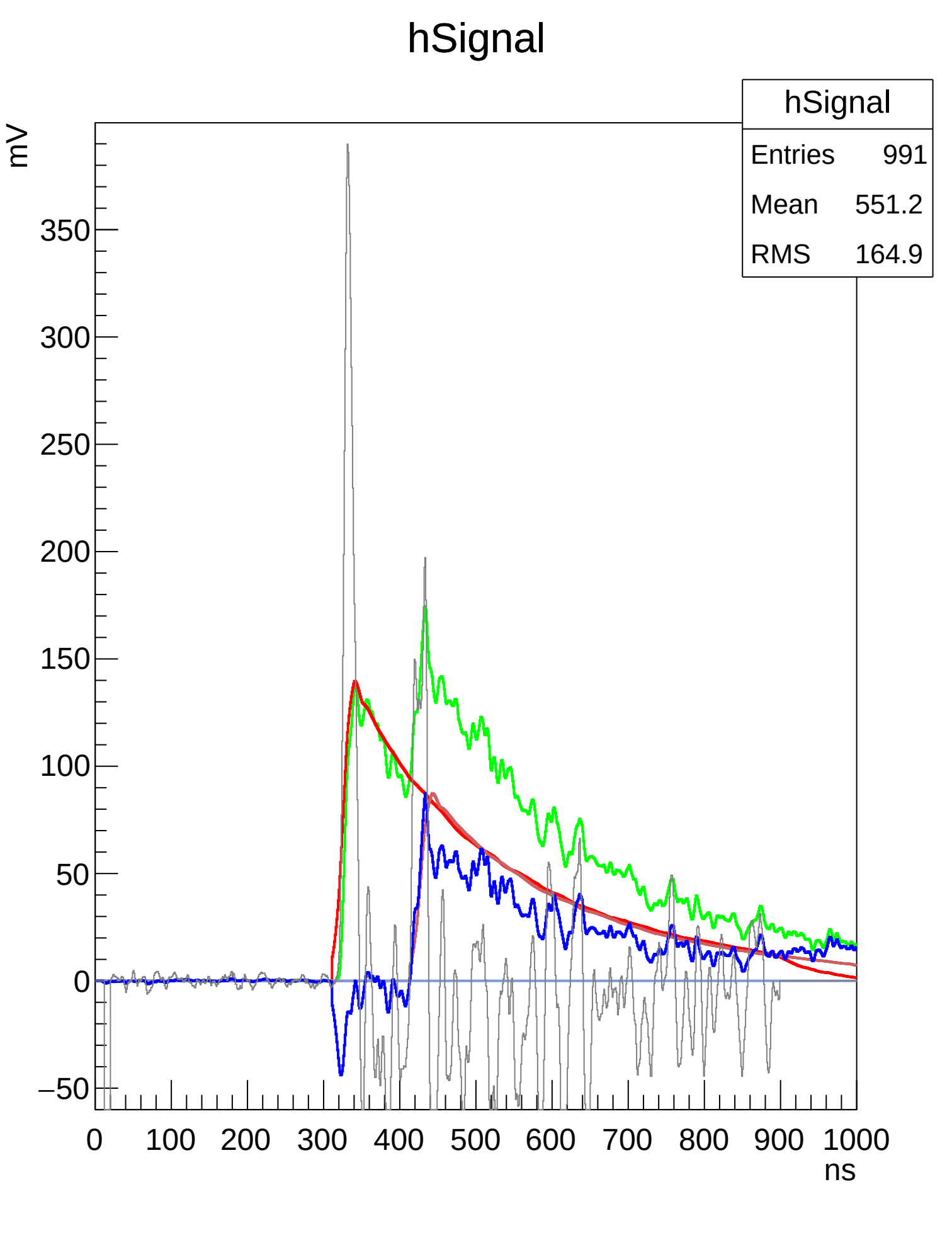

hSignal
hSignal
Entries 991
Mean 538
RMS 166.4
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

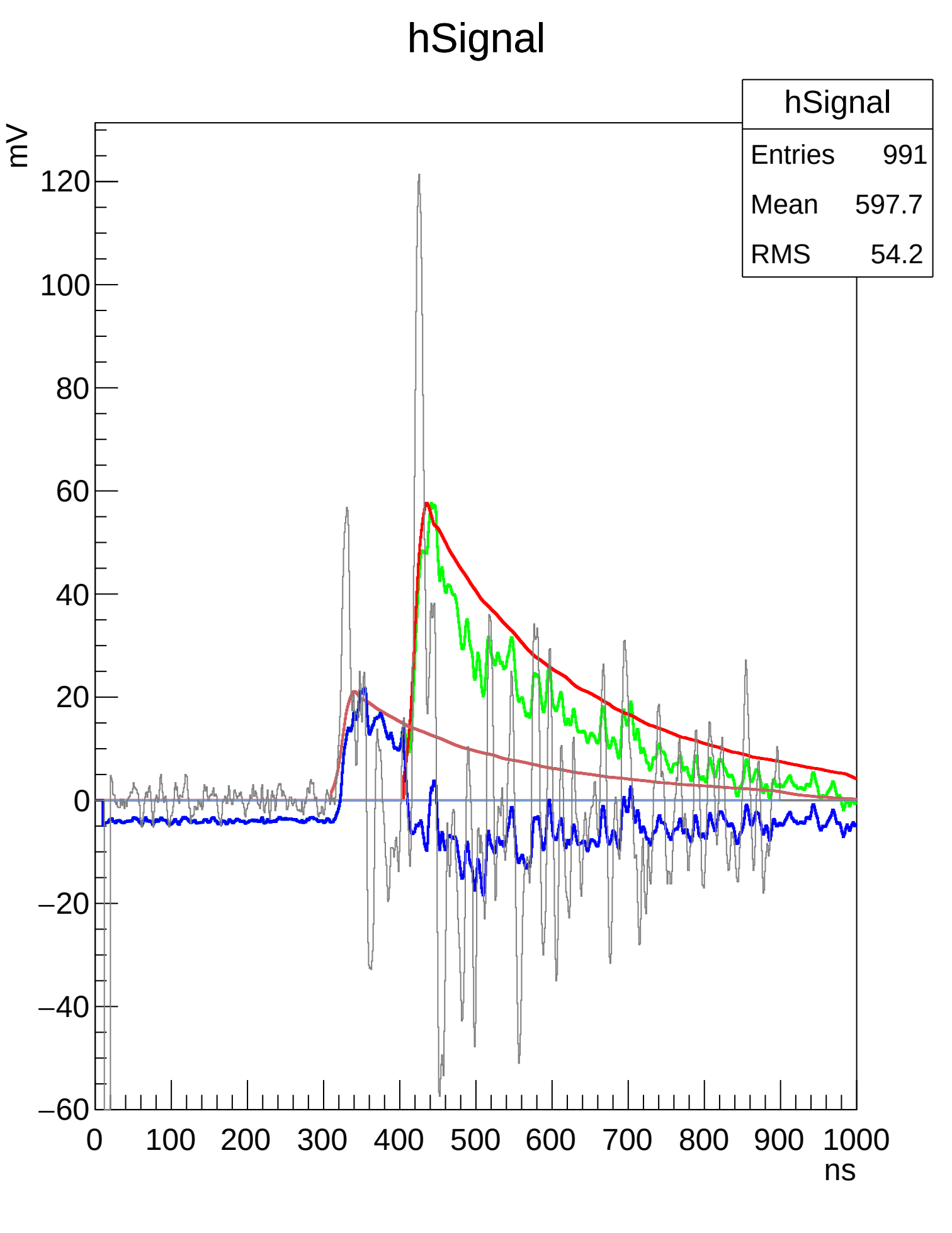

hSignal
hSignal
Entries 991
Mean 525.5
RMS 167.2
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

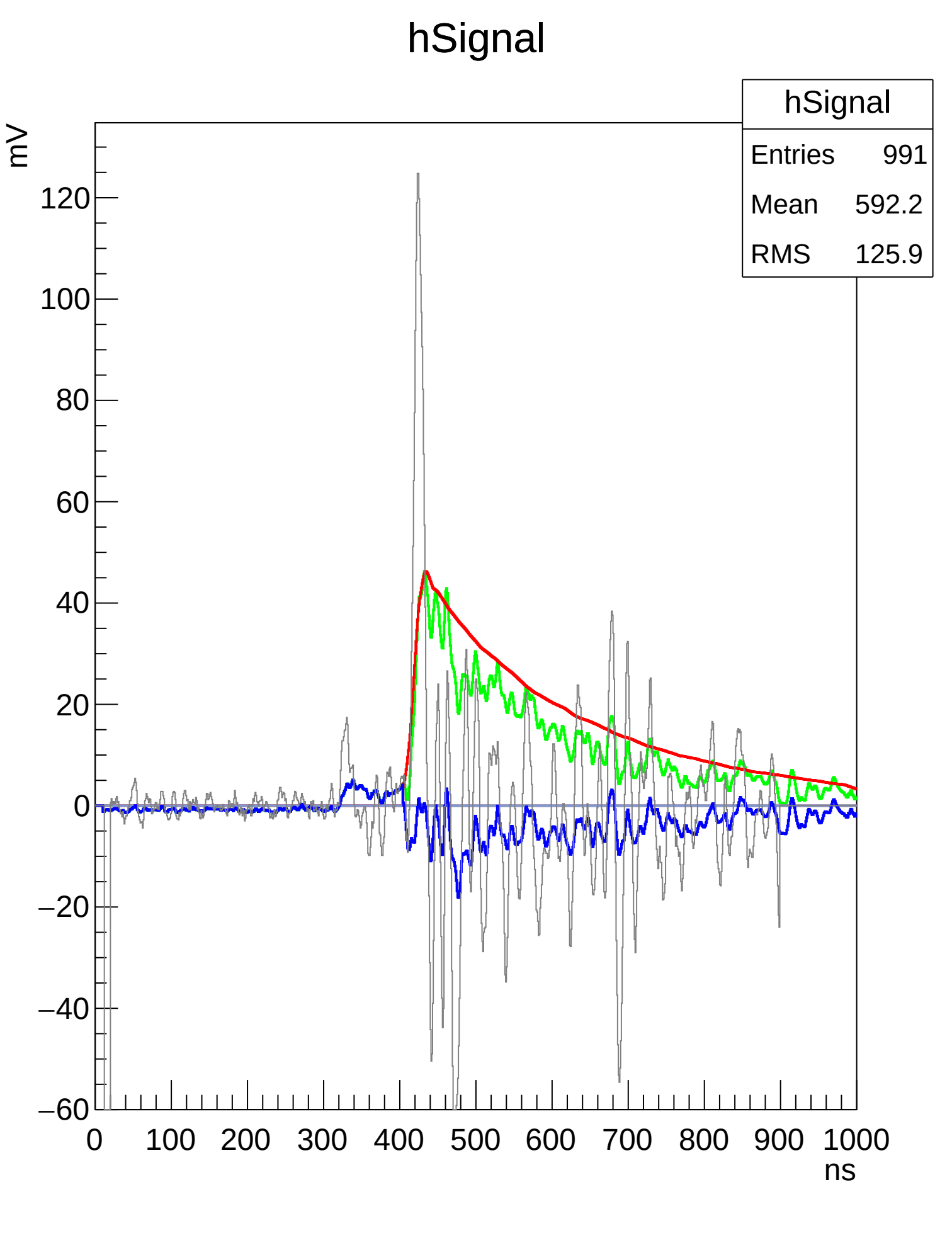

hSignal
hSignal
Entries 991
Mean 512
RMS 139.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

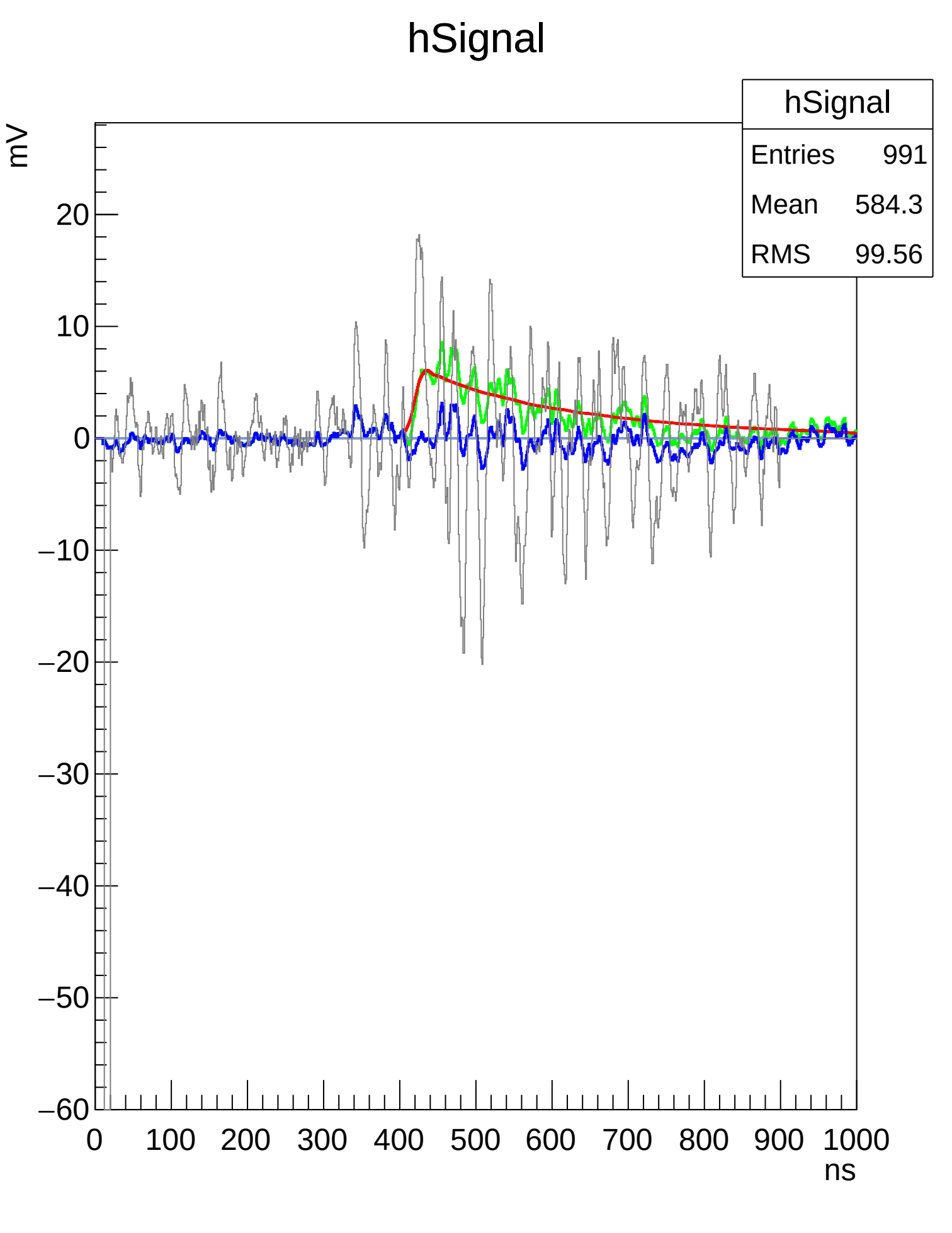

hSignal
hSignal
Entries 991
Mean 525.4
RMS 154.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.4
RMS 122.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 551.2
RMS 164.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 54.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.2
RMS 125.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.3
RMS 99.56
mV
20
10
0
−10
−20
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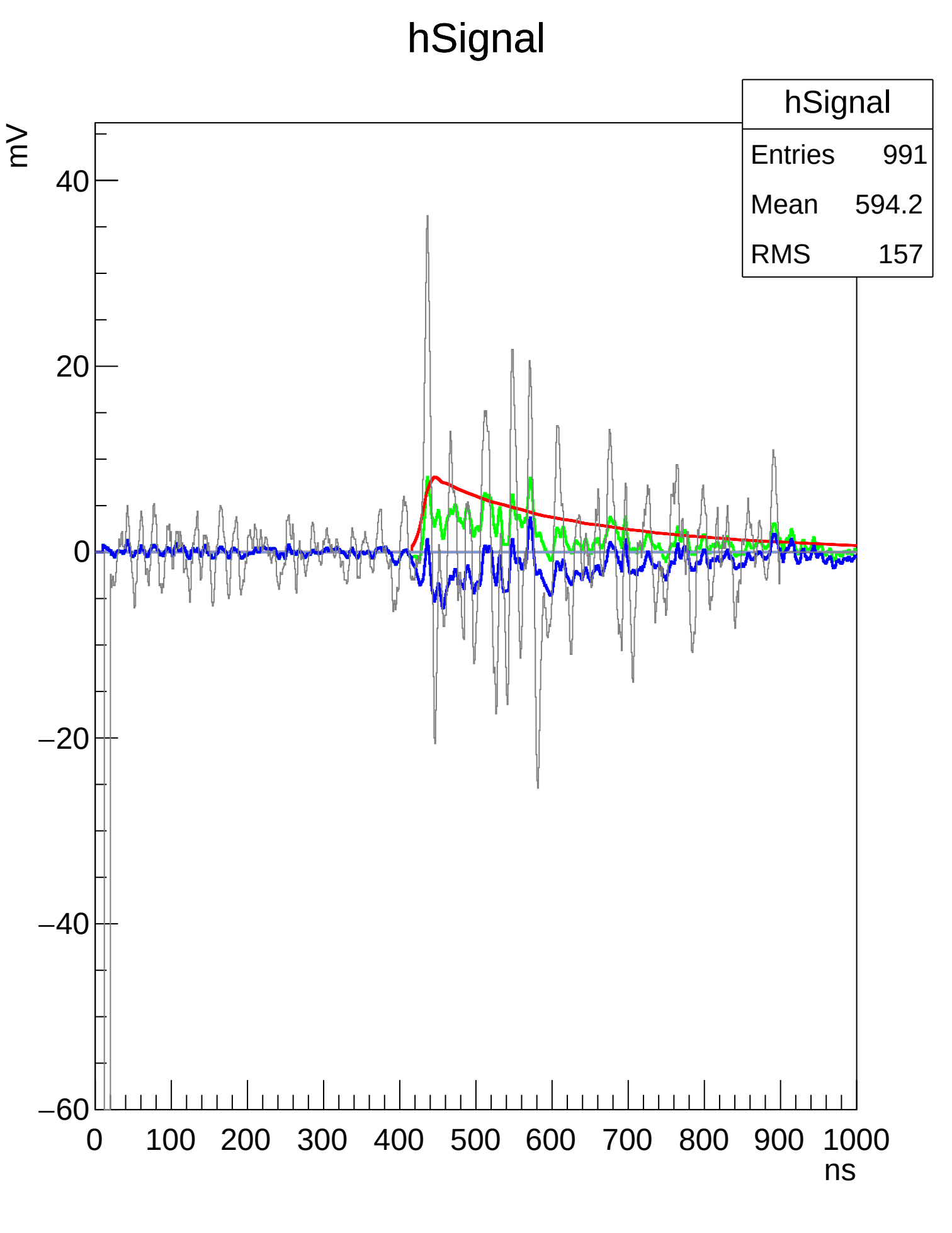
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.2
RMS 157
mV
40
20
0
−20
−40
−60
0
100
200
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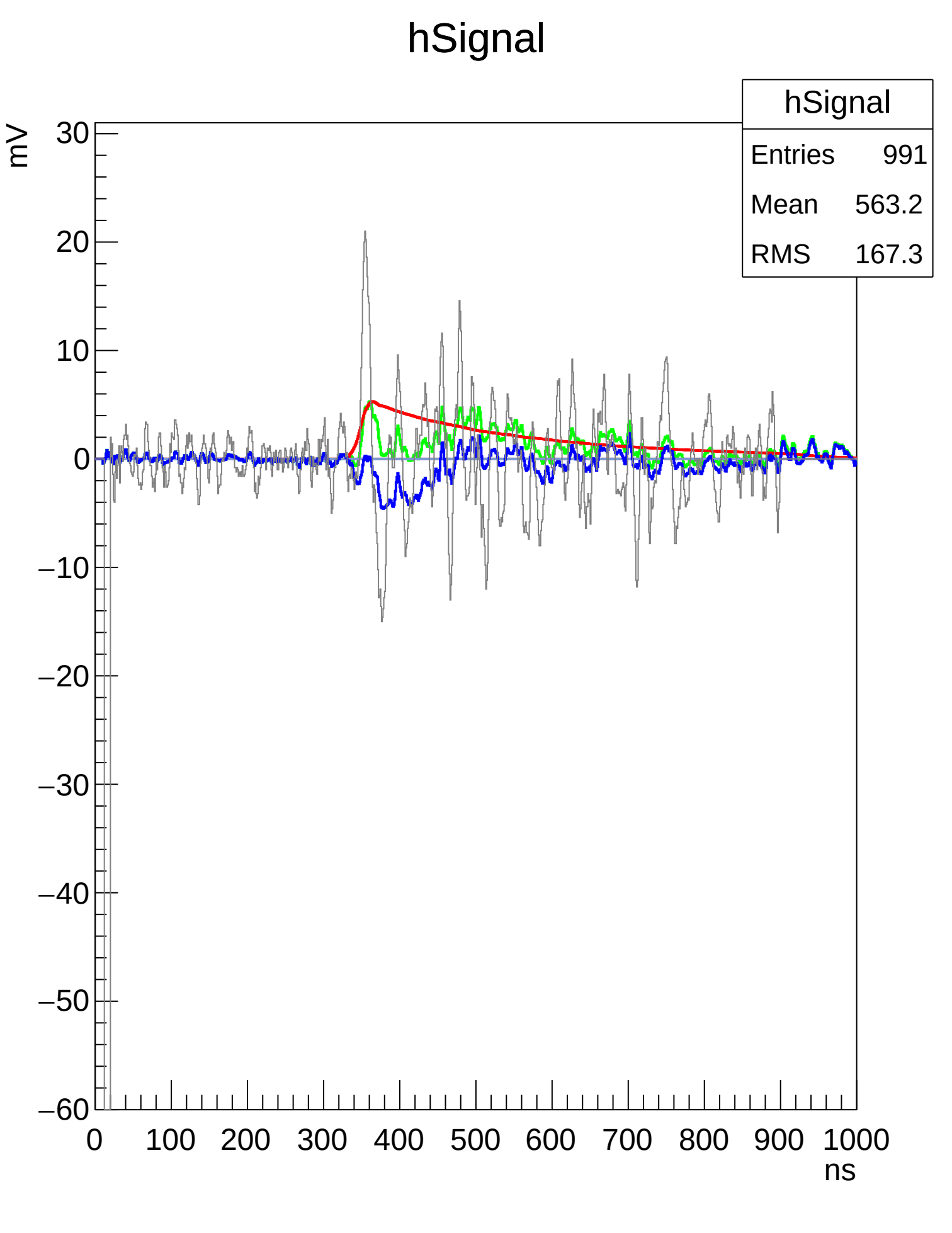
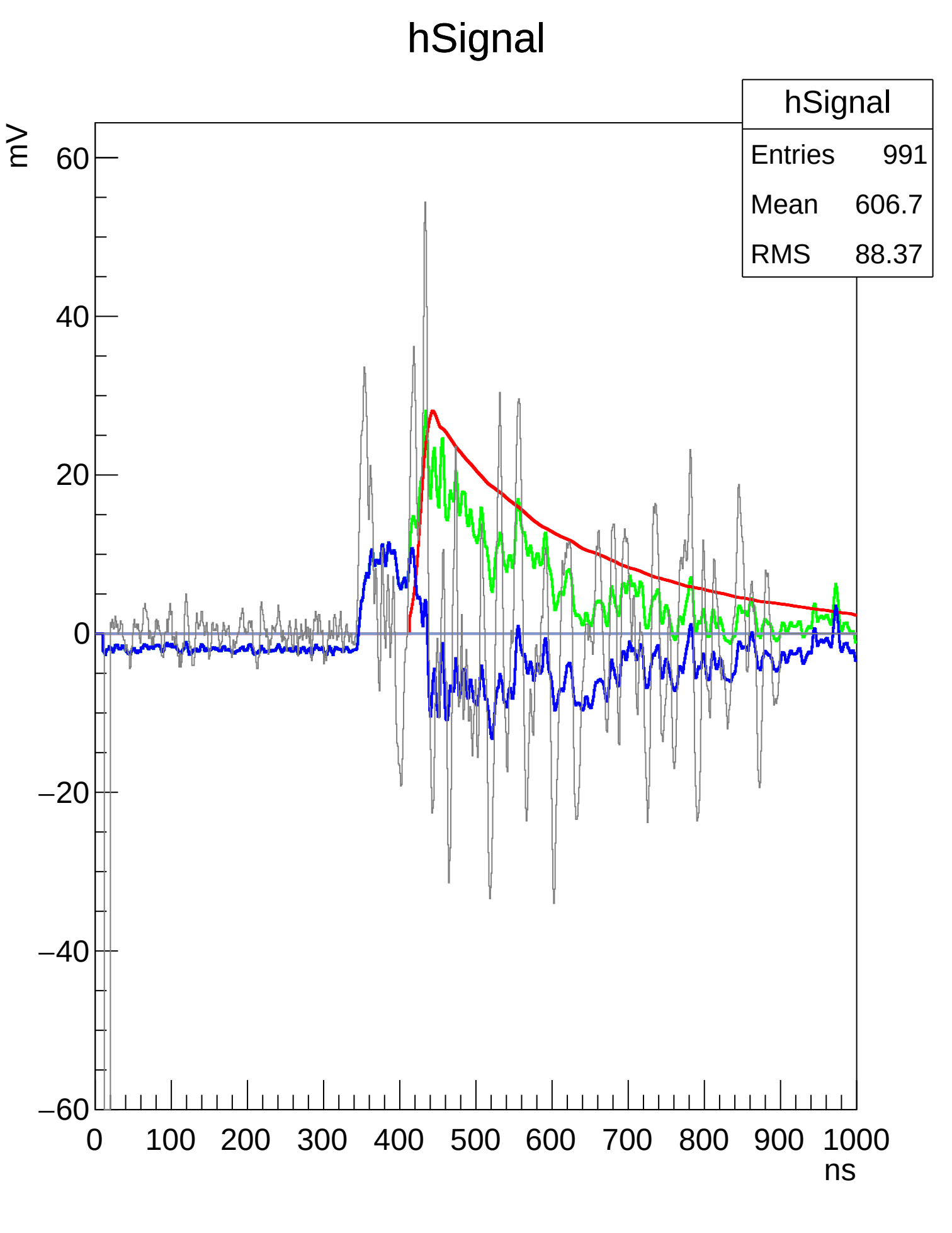
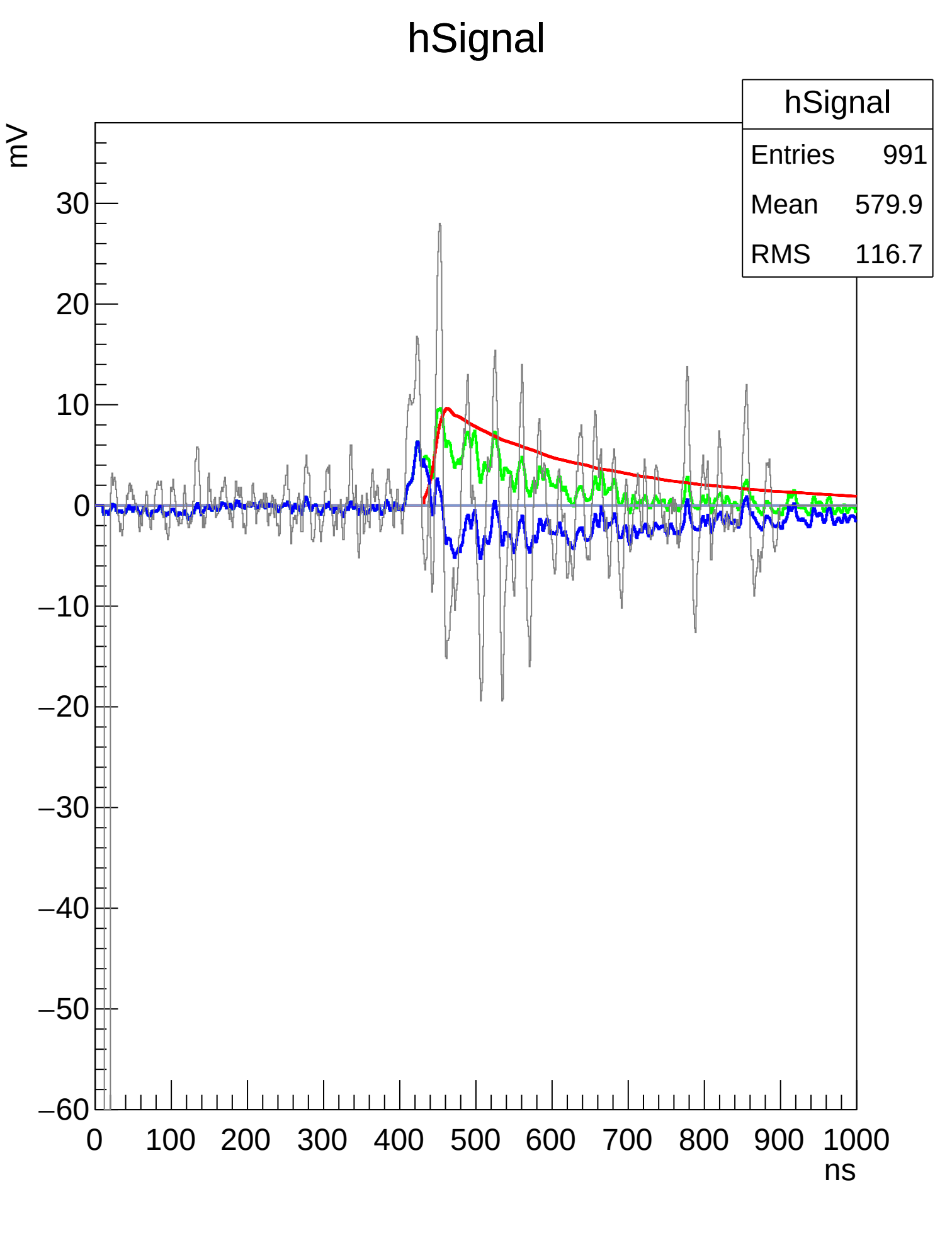
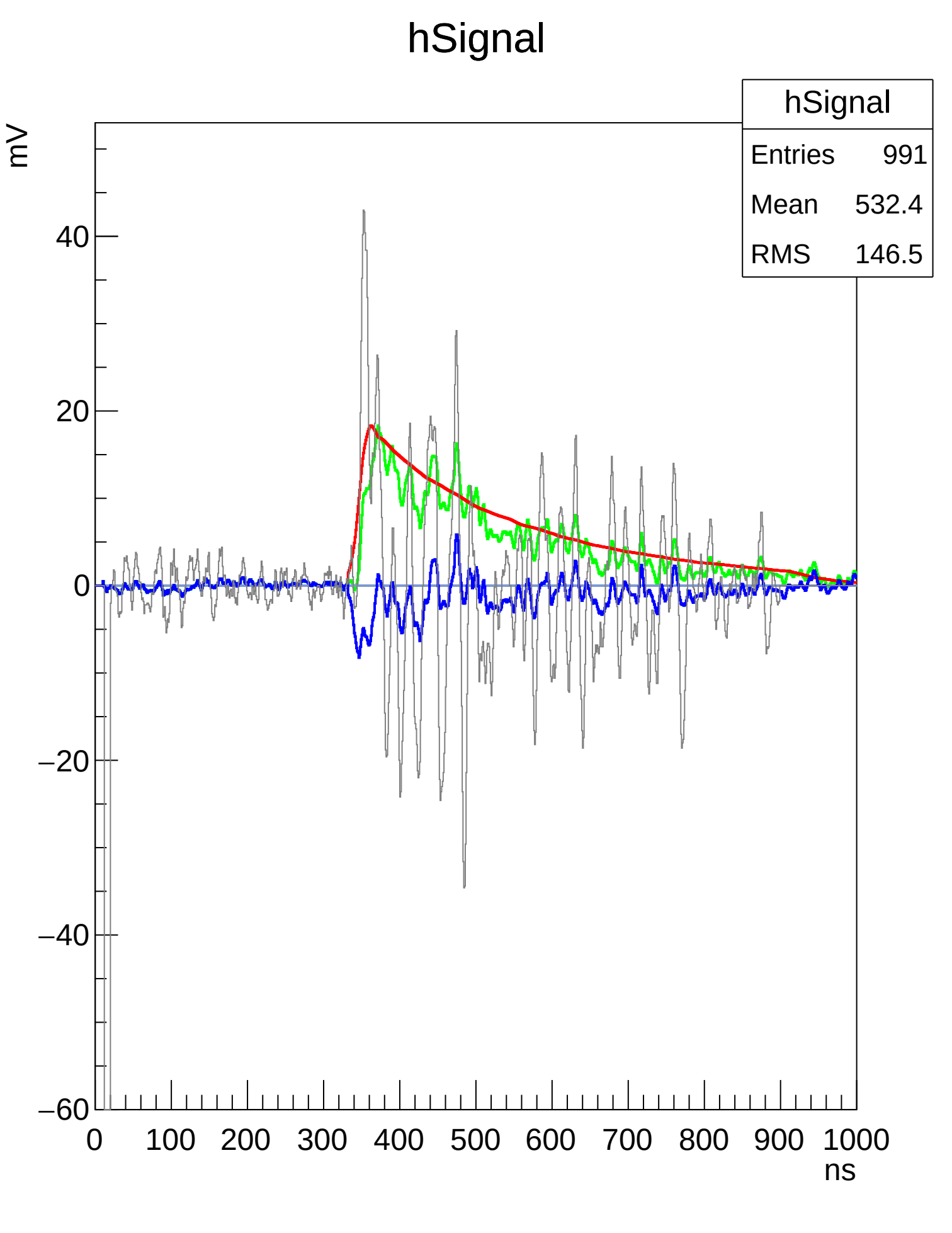
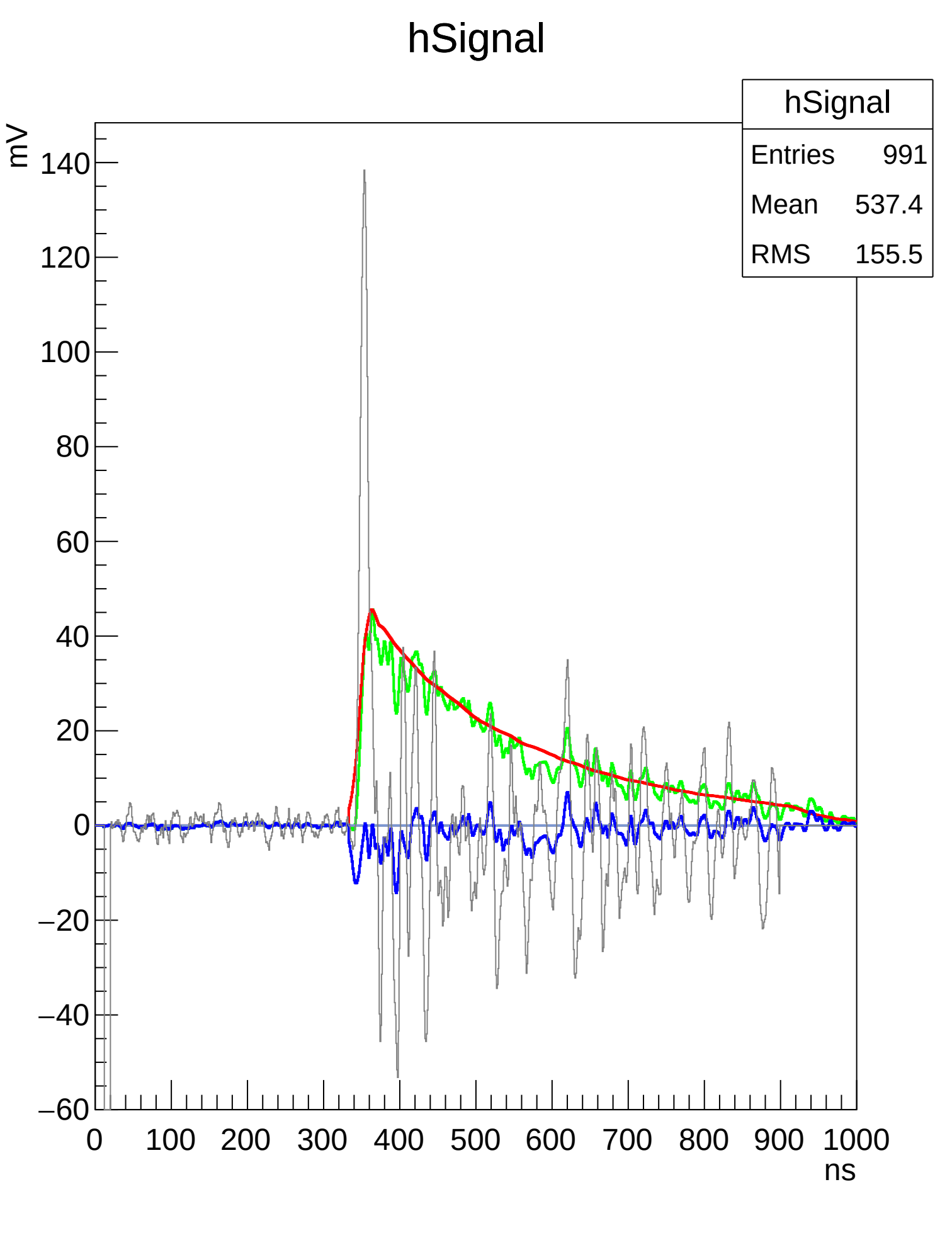
600
700
800
900
1000
ns

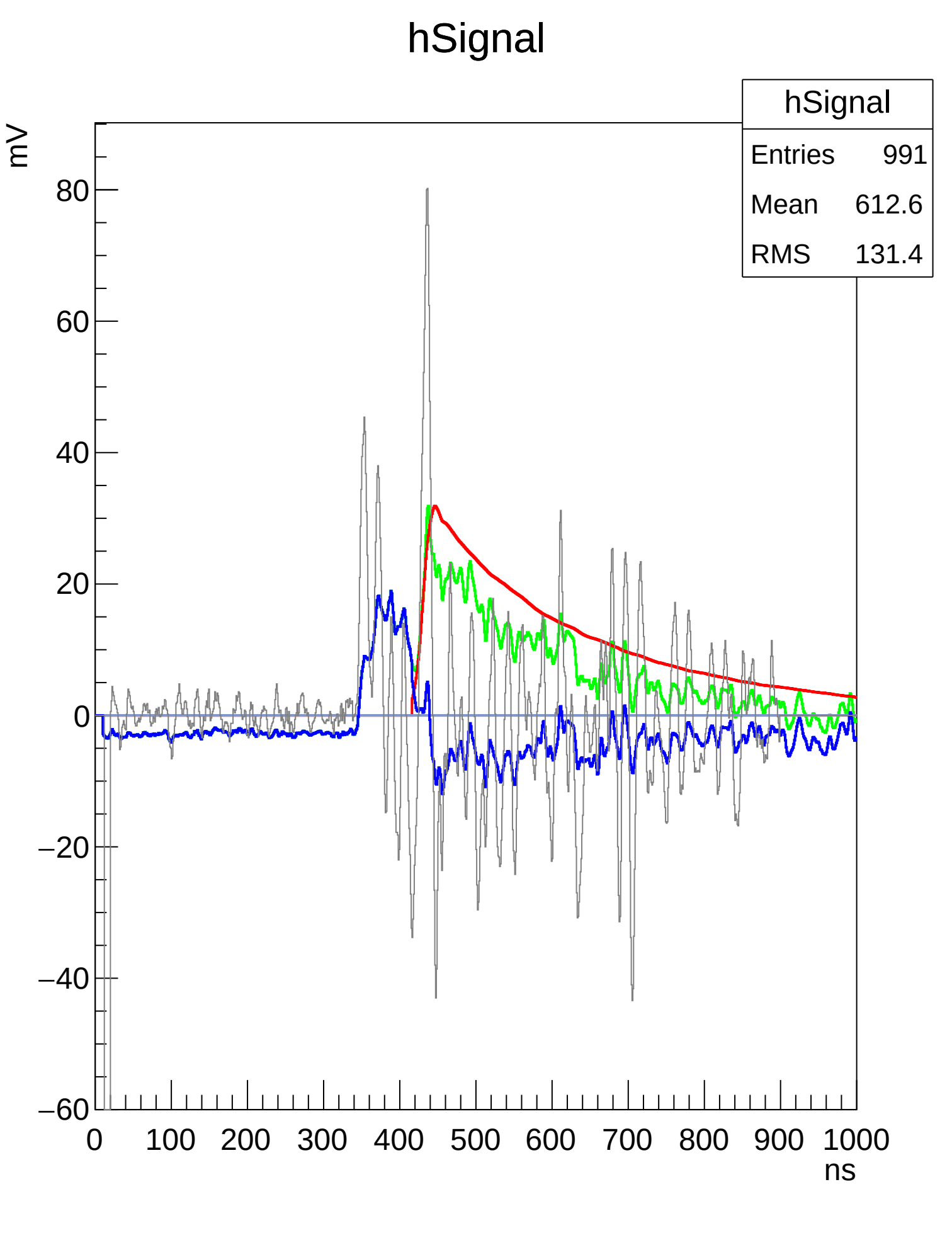

hSignal
hSignal
Entries 991
Mean 563.2
RMS 167.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

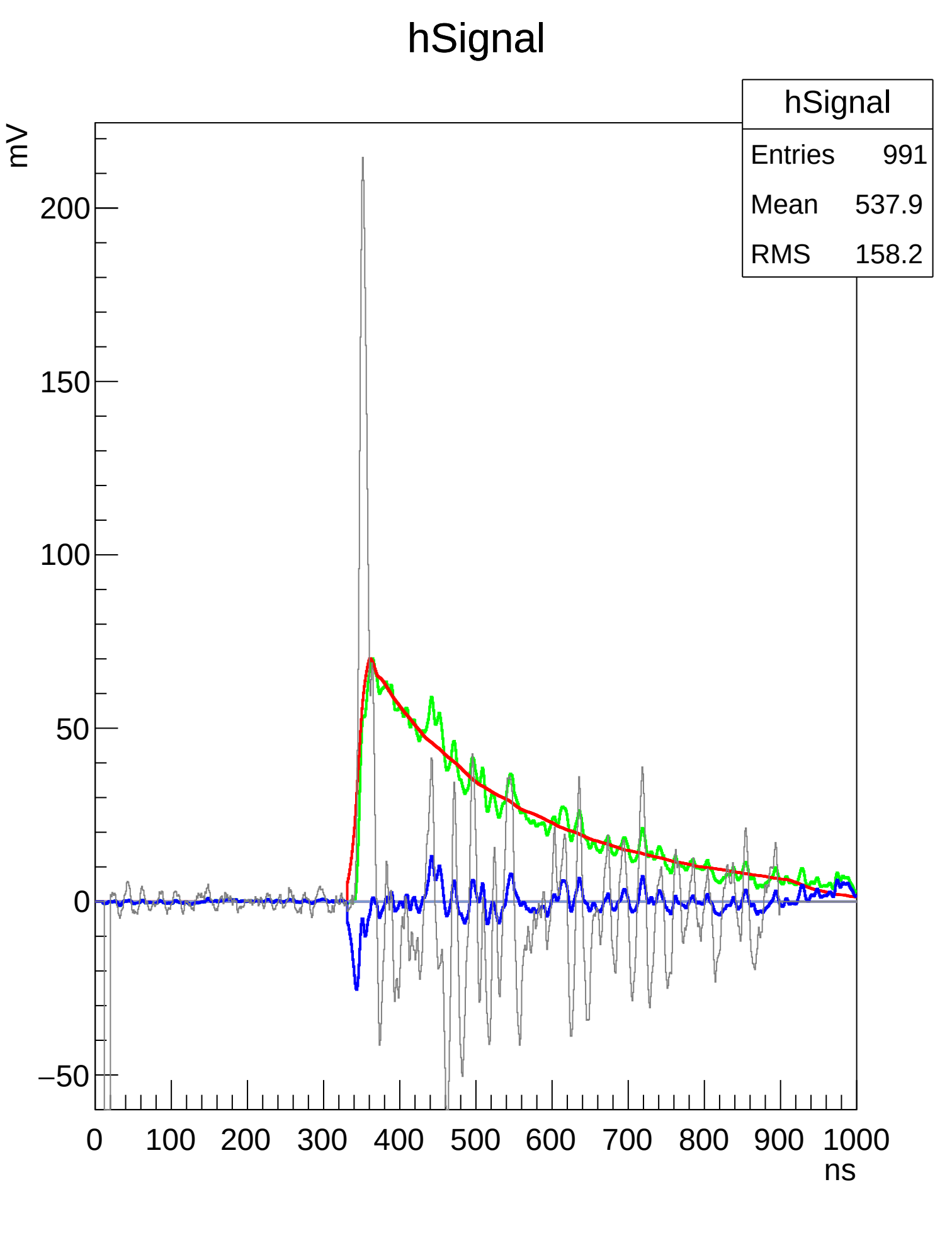

hSignal
hSignal
Entries 991
Mean 606.7
RMS 88.37
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.9
RMS 116.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.4
RMS 146.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.4
RMS 155.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.6
RMS 131.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.9
RMS 158.2
mV
200
150
100
50
0
−50
0
100
200
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400
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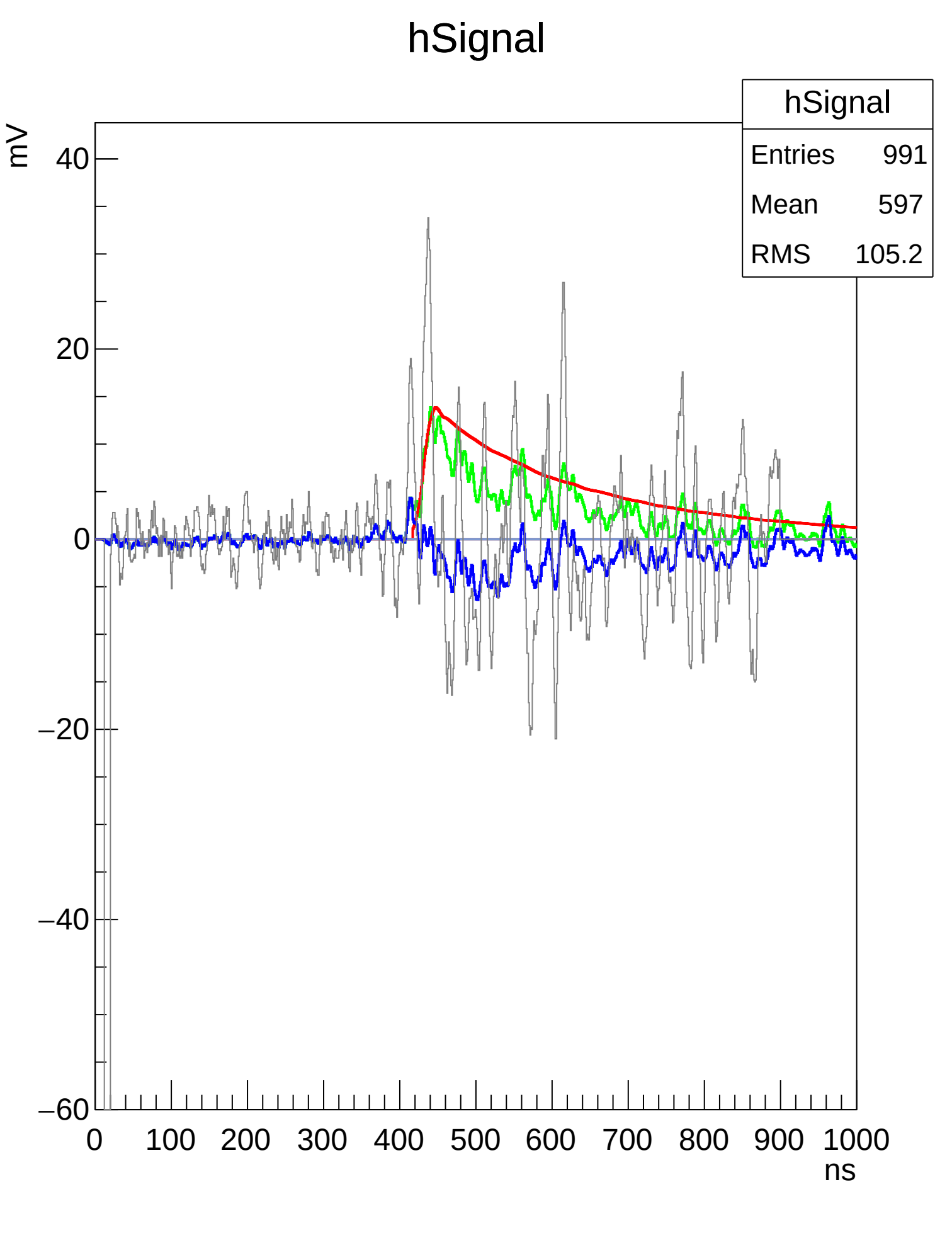
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597
RMS 105.2
mV
40
20
0
−20
−40
−60
0
100
200
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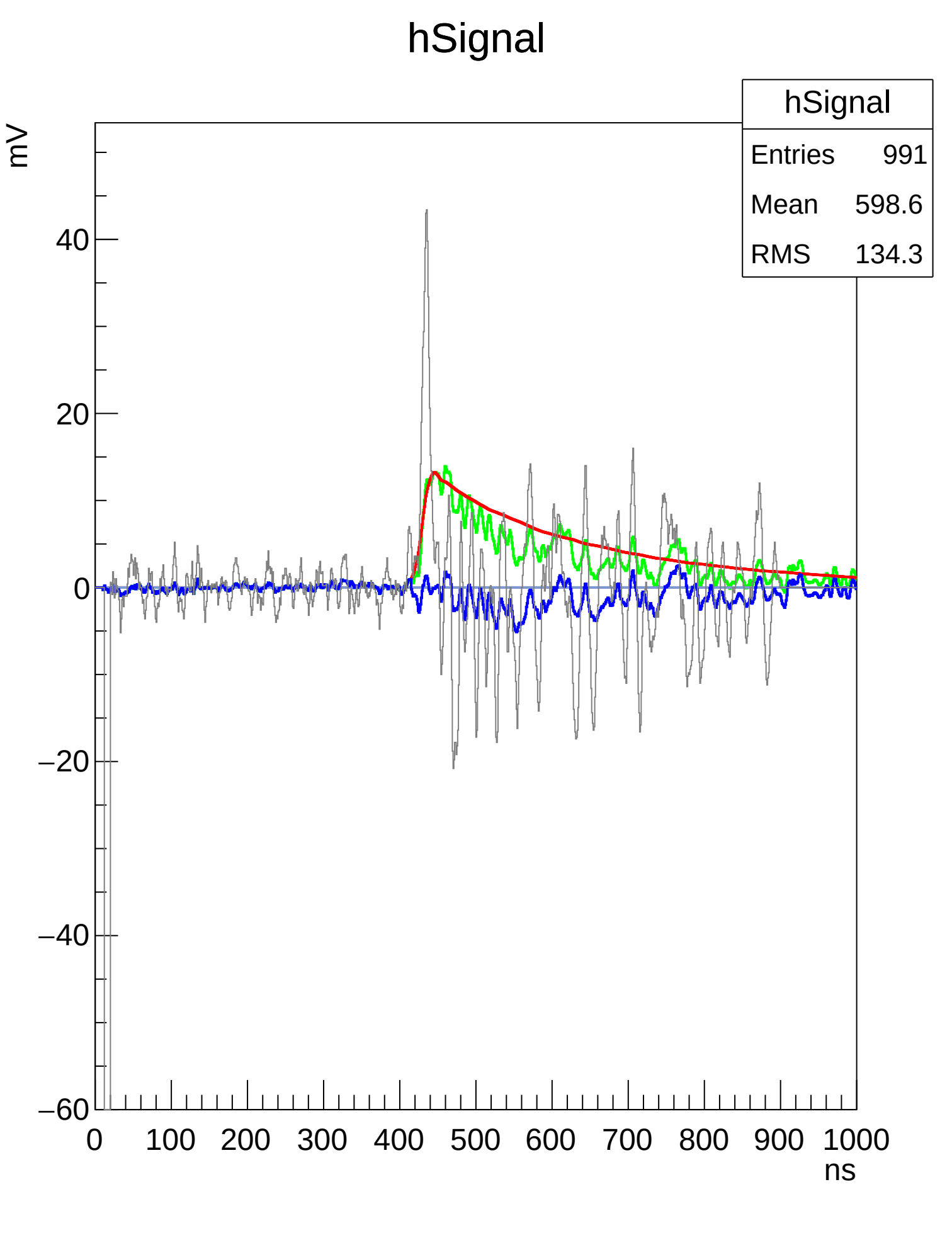
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.6
RMS 134.3
mV
40
20
0
−20
−40
−60
0
100
200
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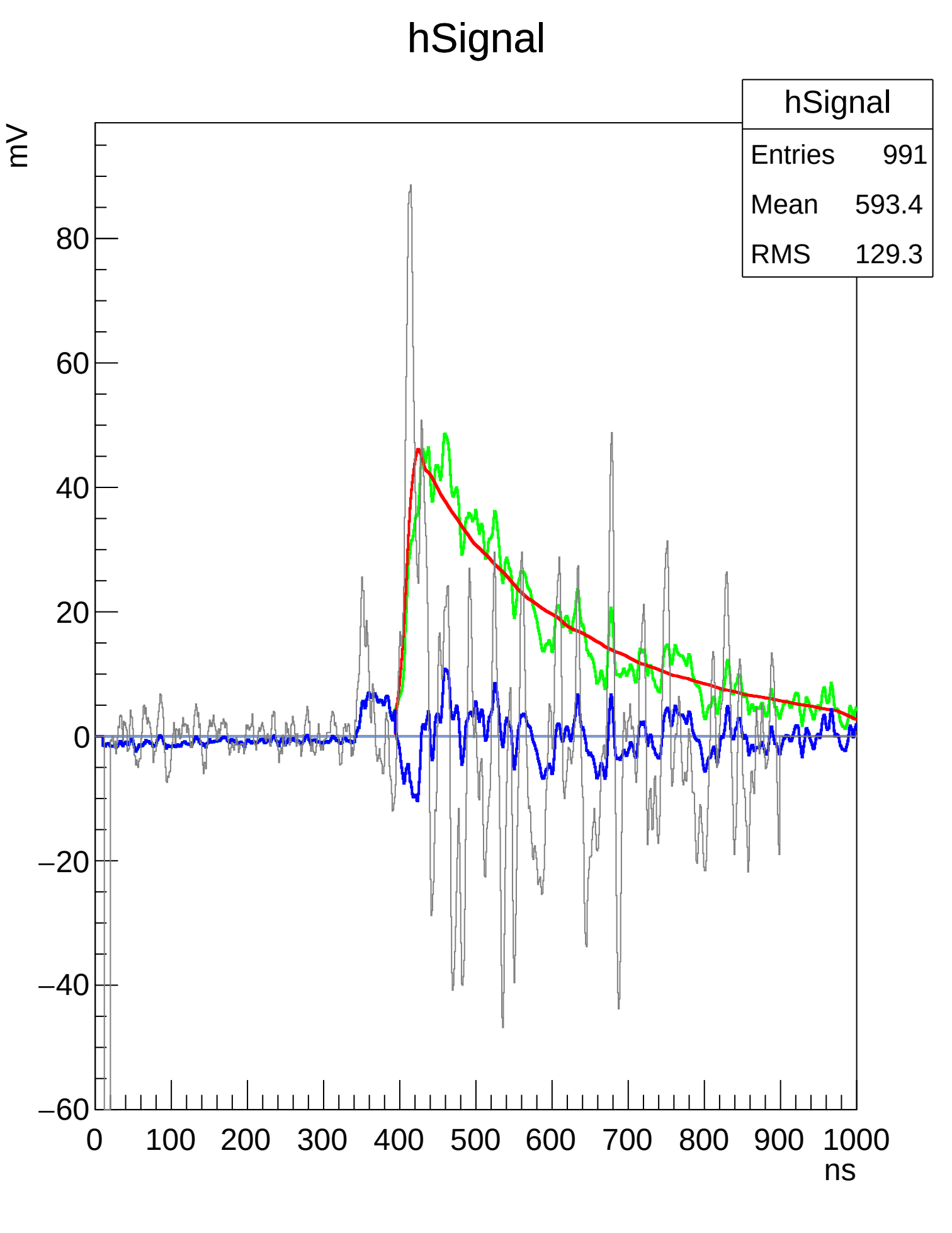
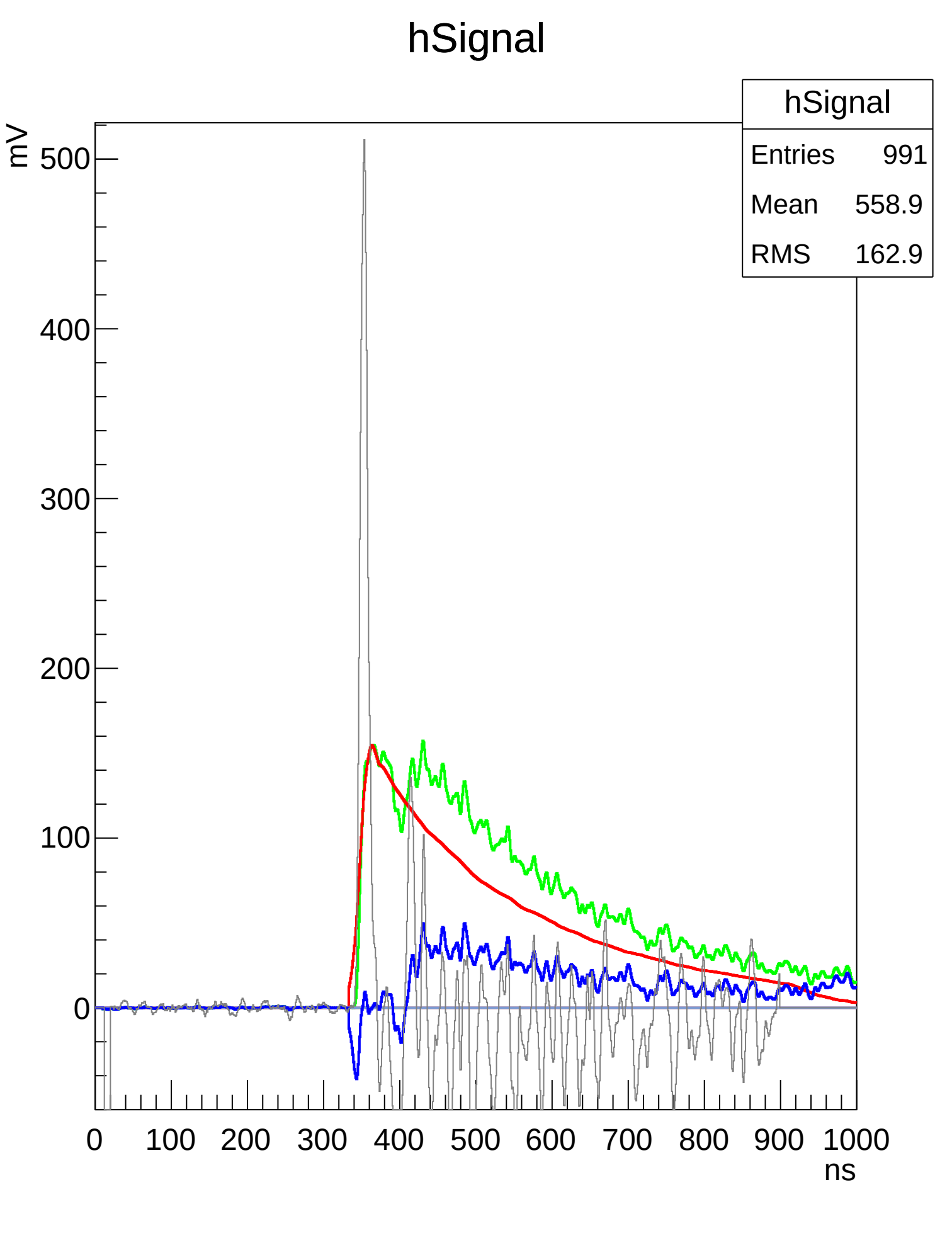
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 129.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.9
RMS 162.9
mV
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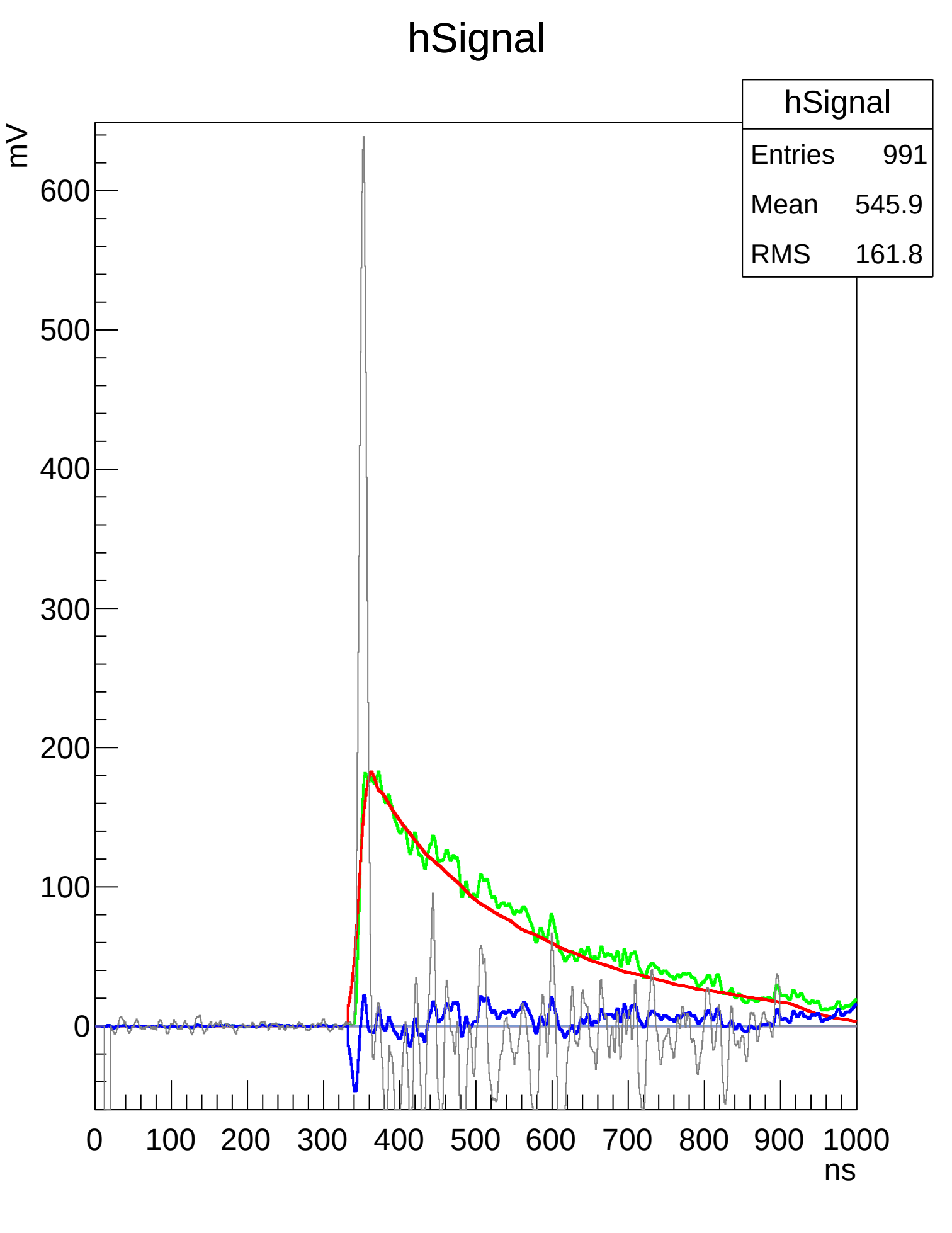
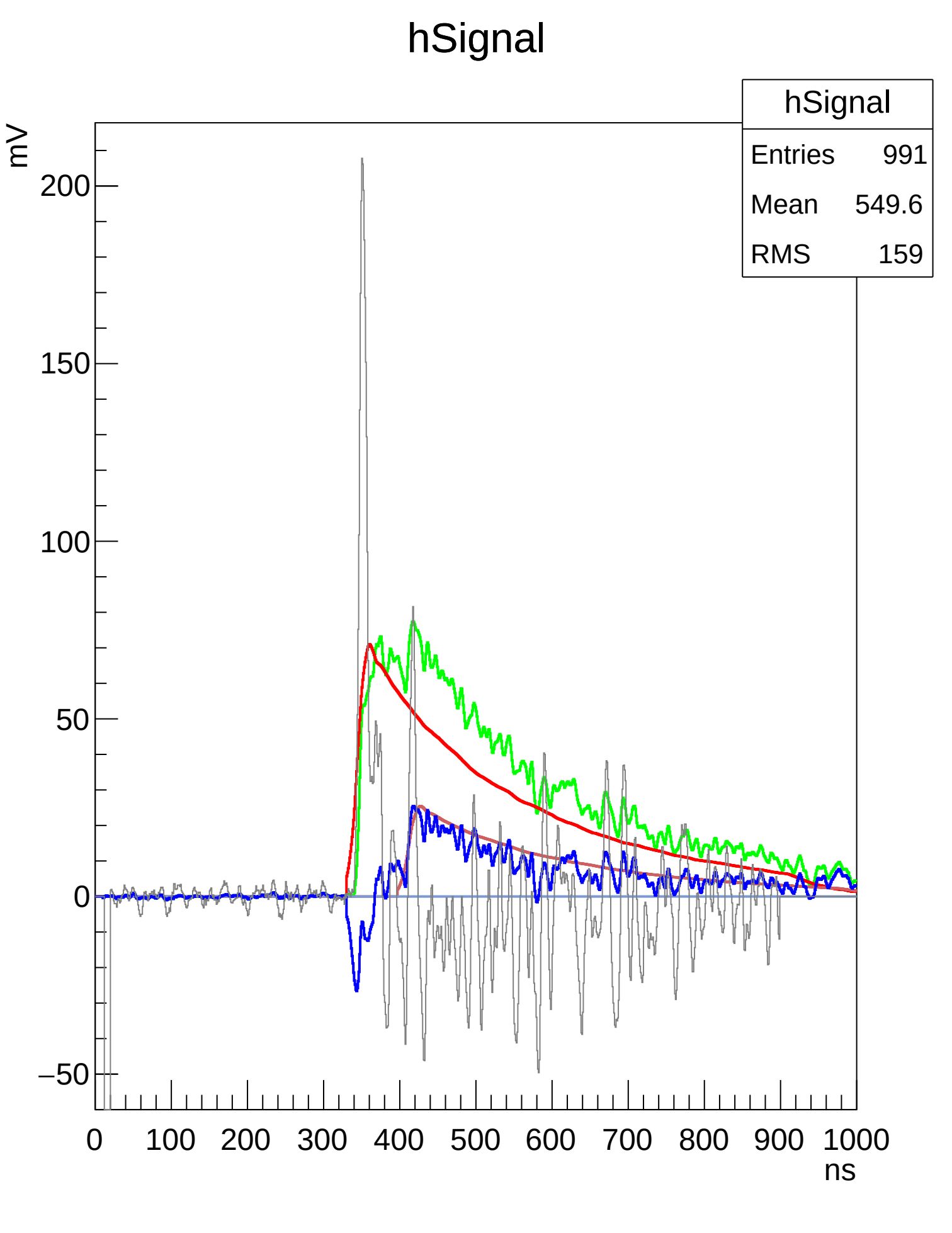
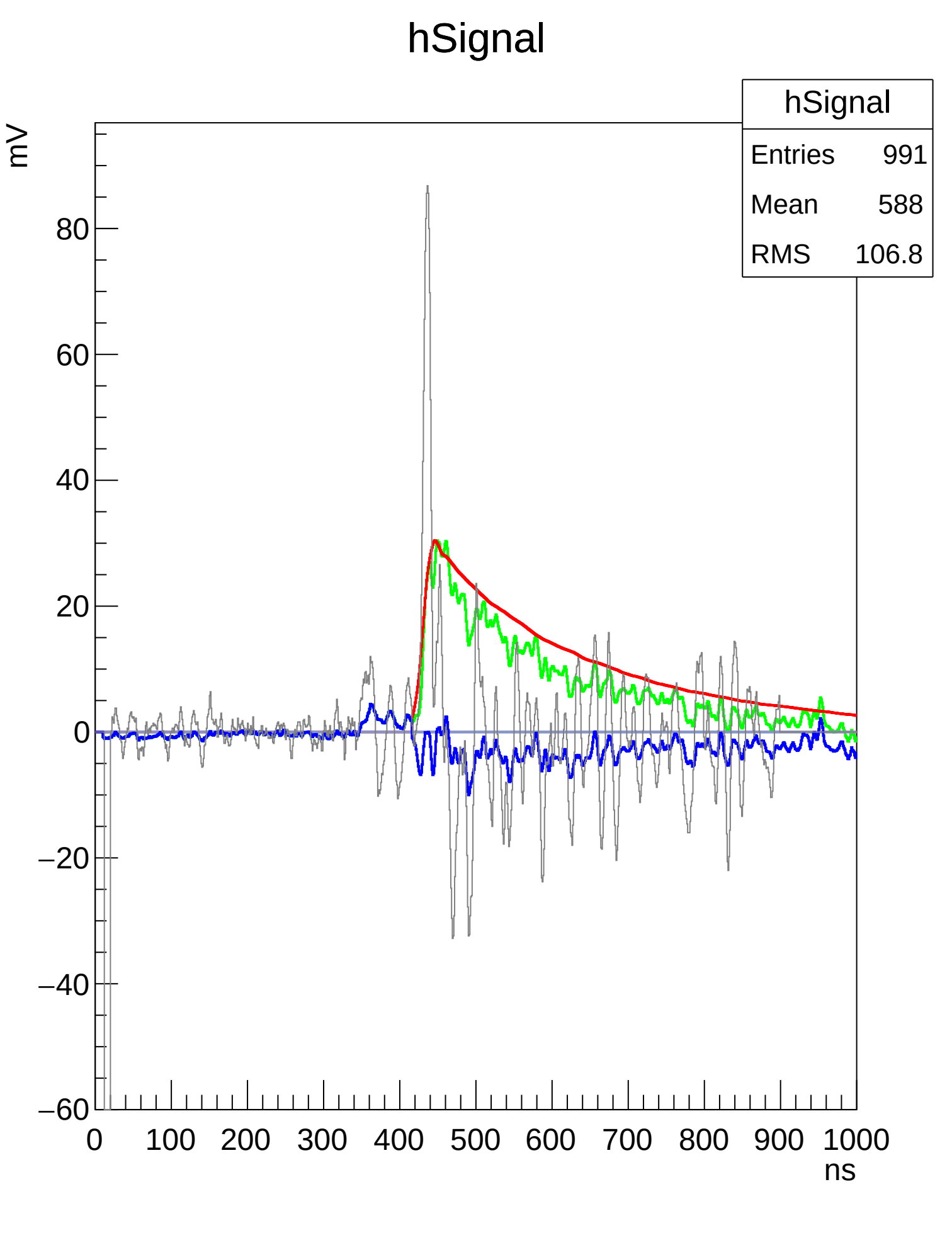
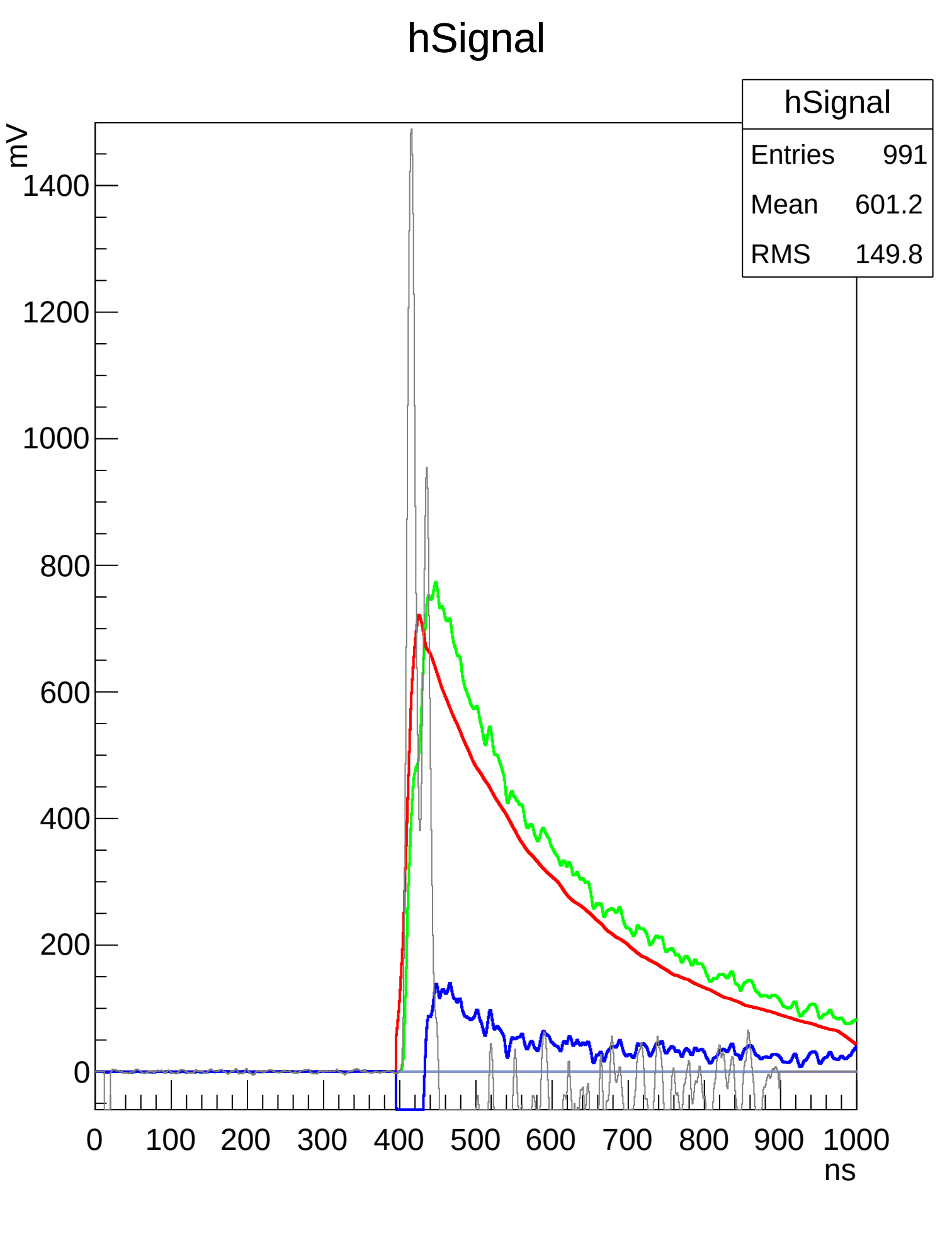
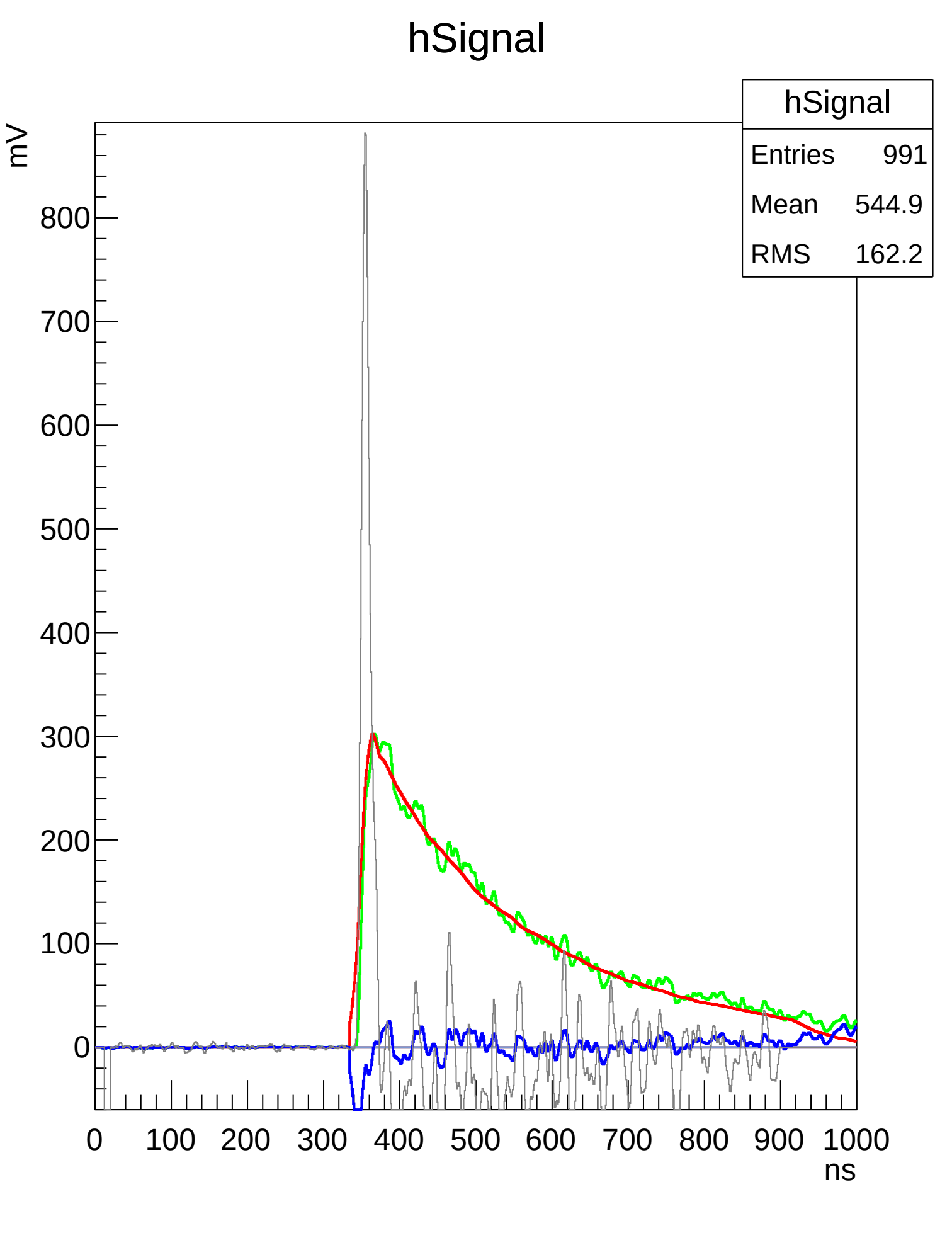
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

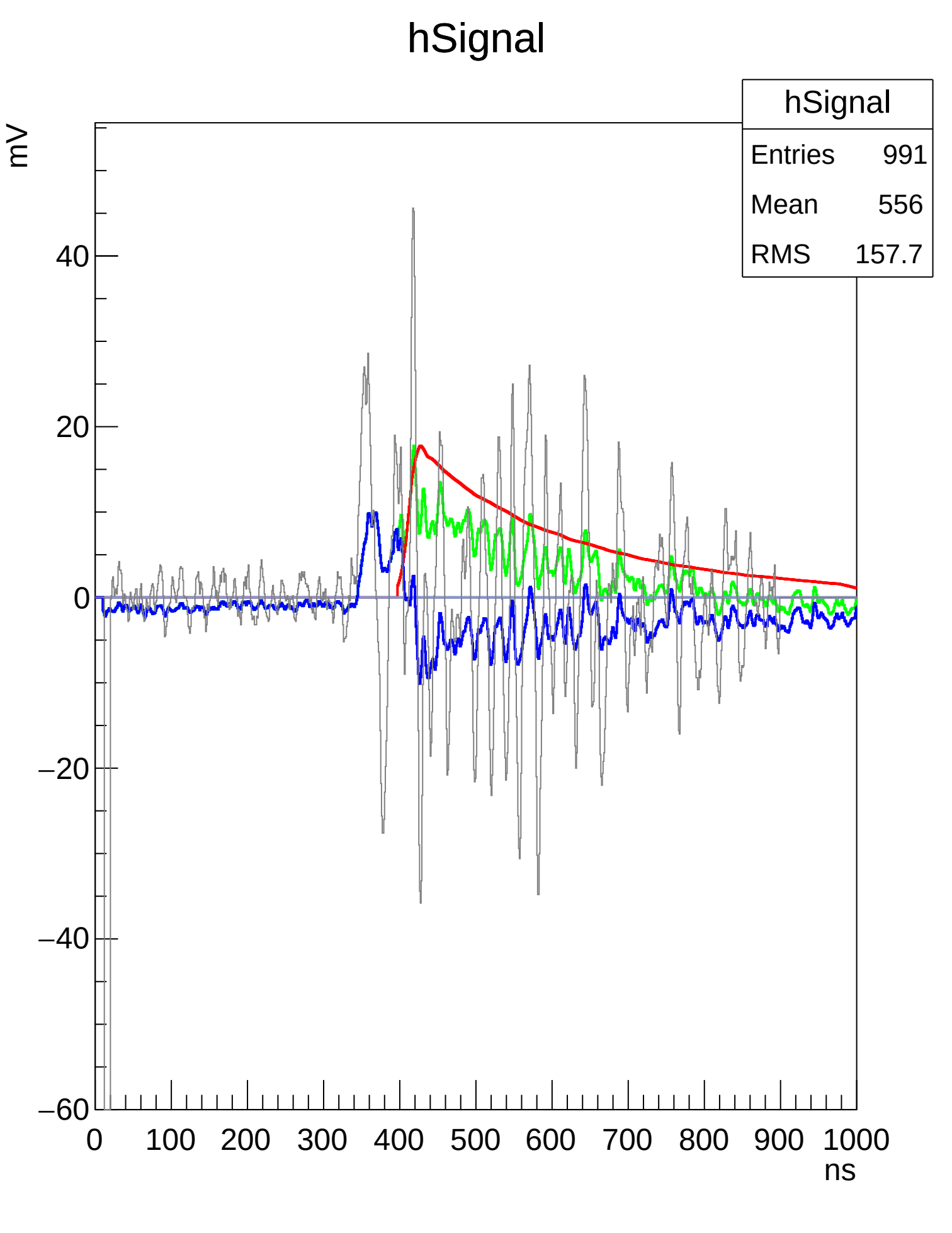

hSignal
hSignal
Entries 991
Mean 545.9
RMS 161.8
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 549.6
RMS 159
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 588
RMS 106.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 149.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.9
RMS 162.2
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 556
RMS 157.7
mV
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−20
−40
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0
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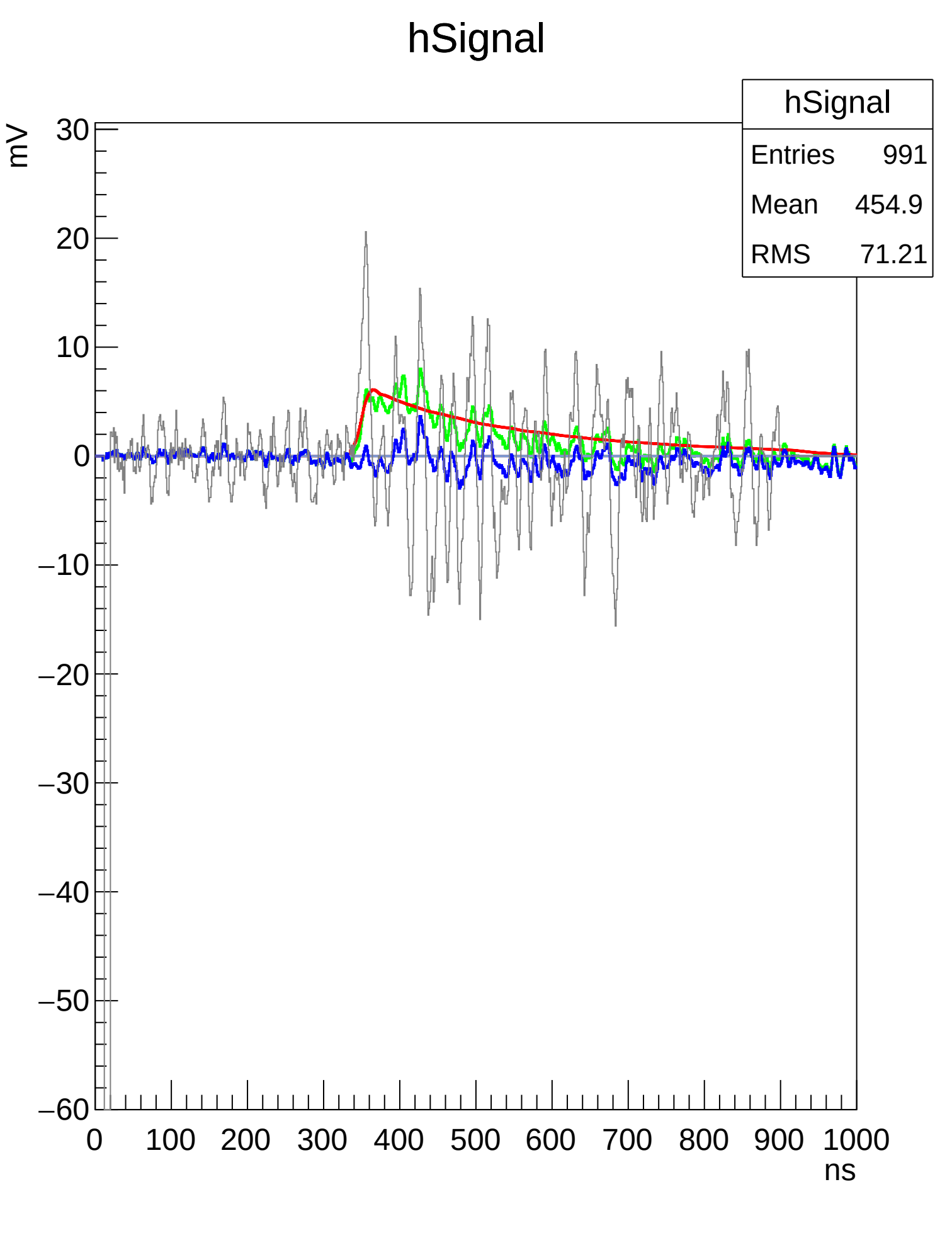
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 454.9
RMS 71.21
mV
30
20
10
0
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−20
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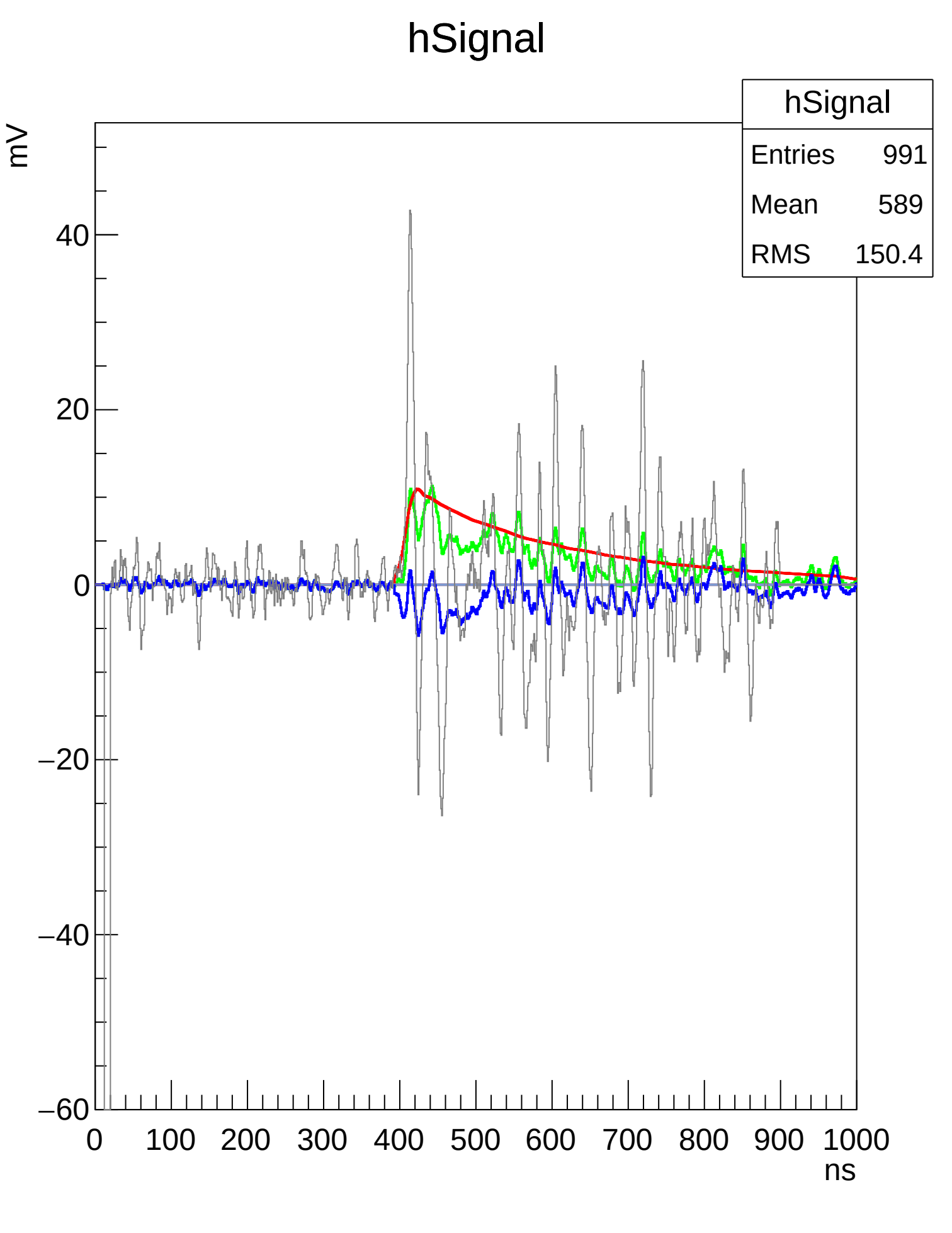
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589
RMS 150.4
mV
40
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0
−20
−40
−60
0
100
200
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400
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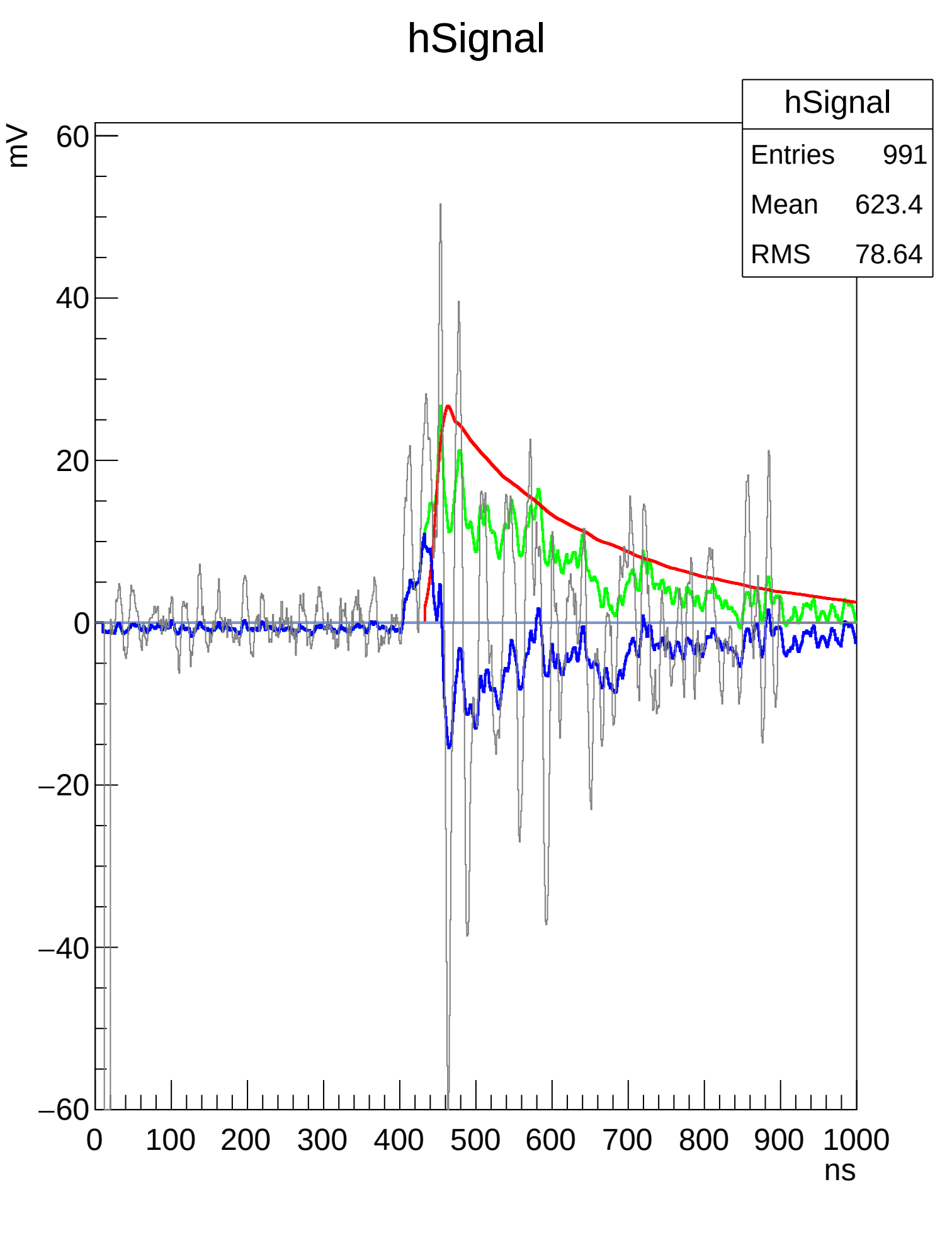
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.4
RMS 78.64
mV
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0
−20
−40
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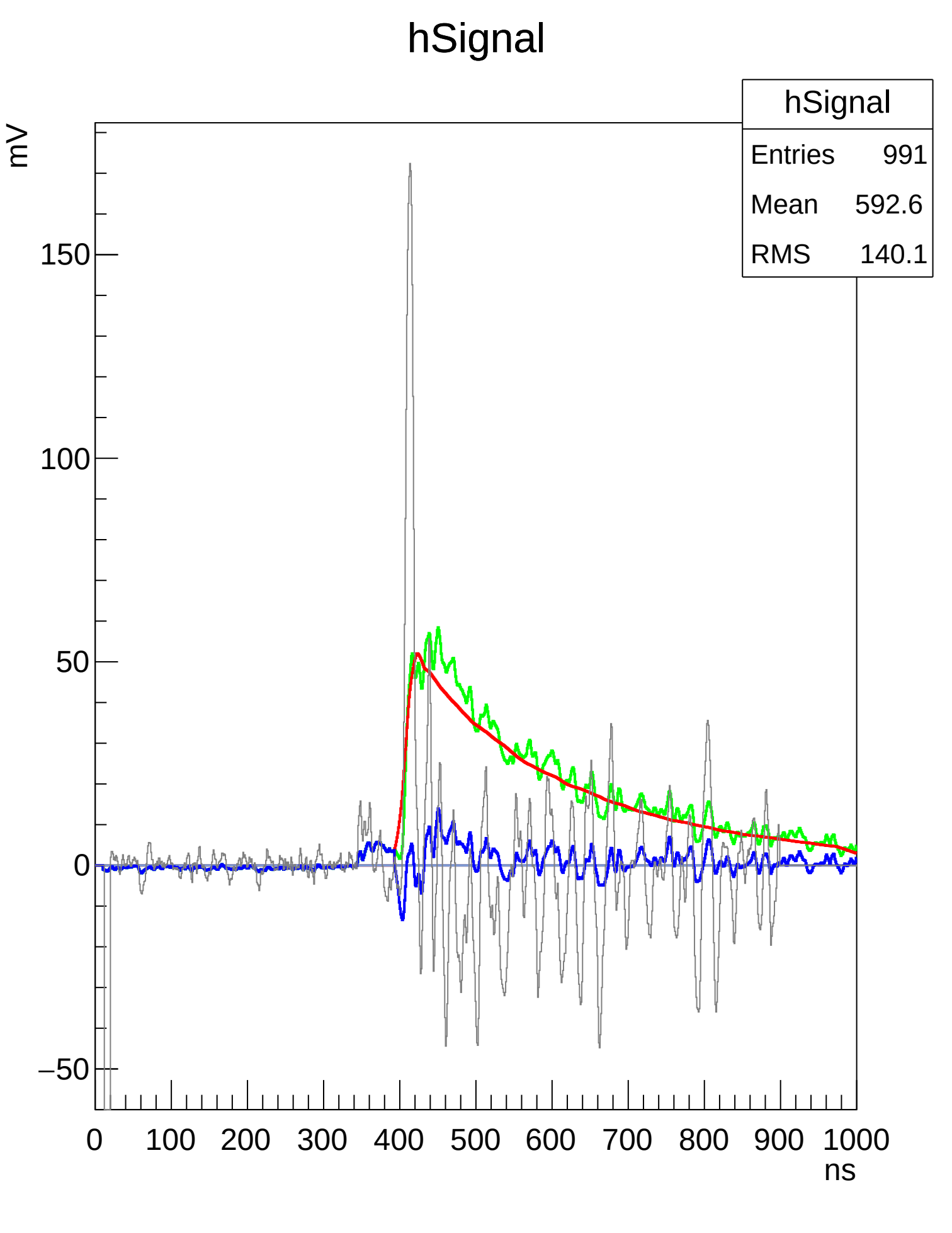
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.6
RMS 140.1
mV
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100
50
0
−50
0
100
200
300
400
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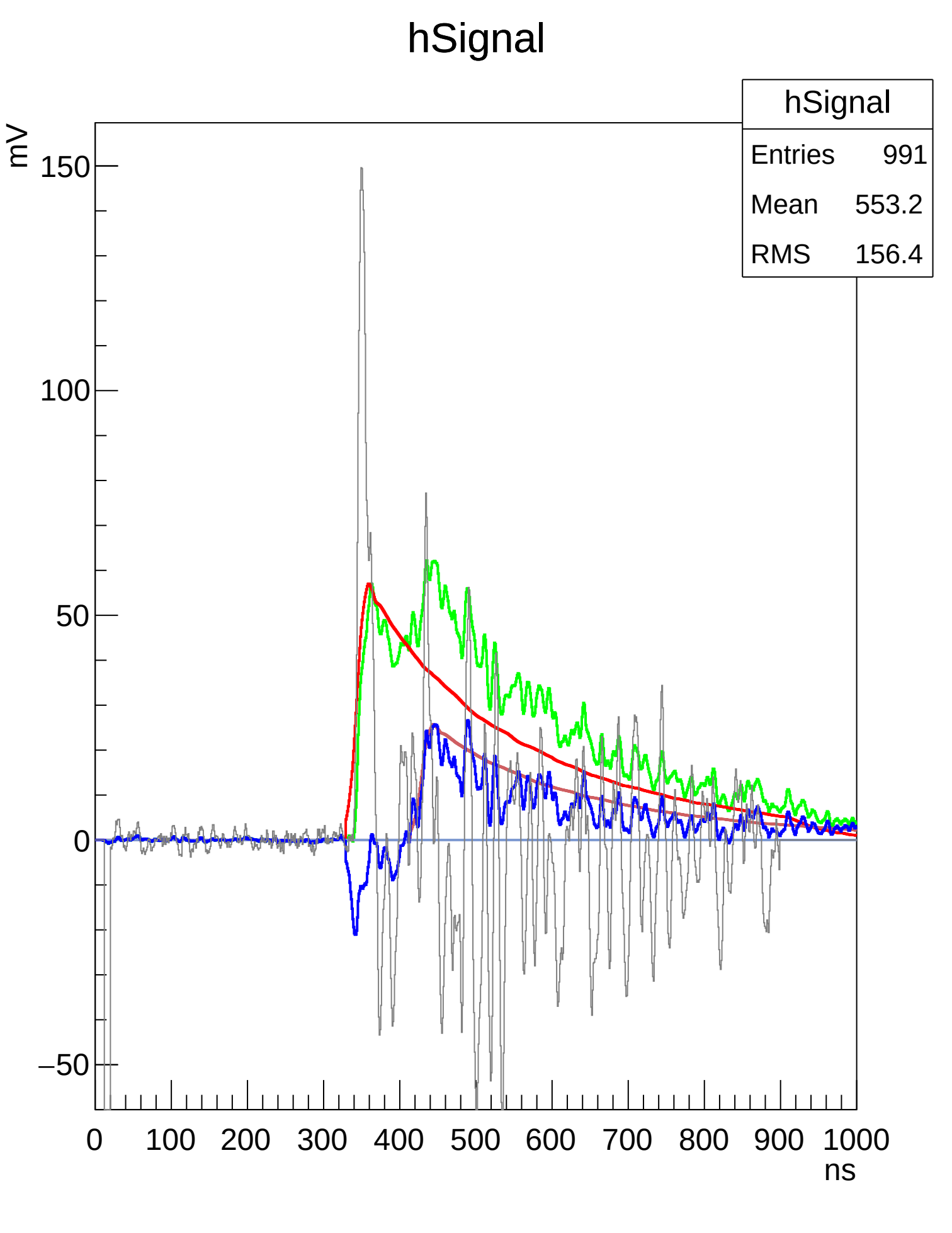
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.2
RMS 156.4
mV
150
100
50
0
−50
0
100
200
300
400
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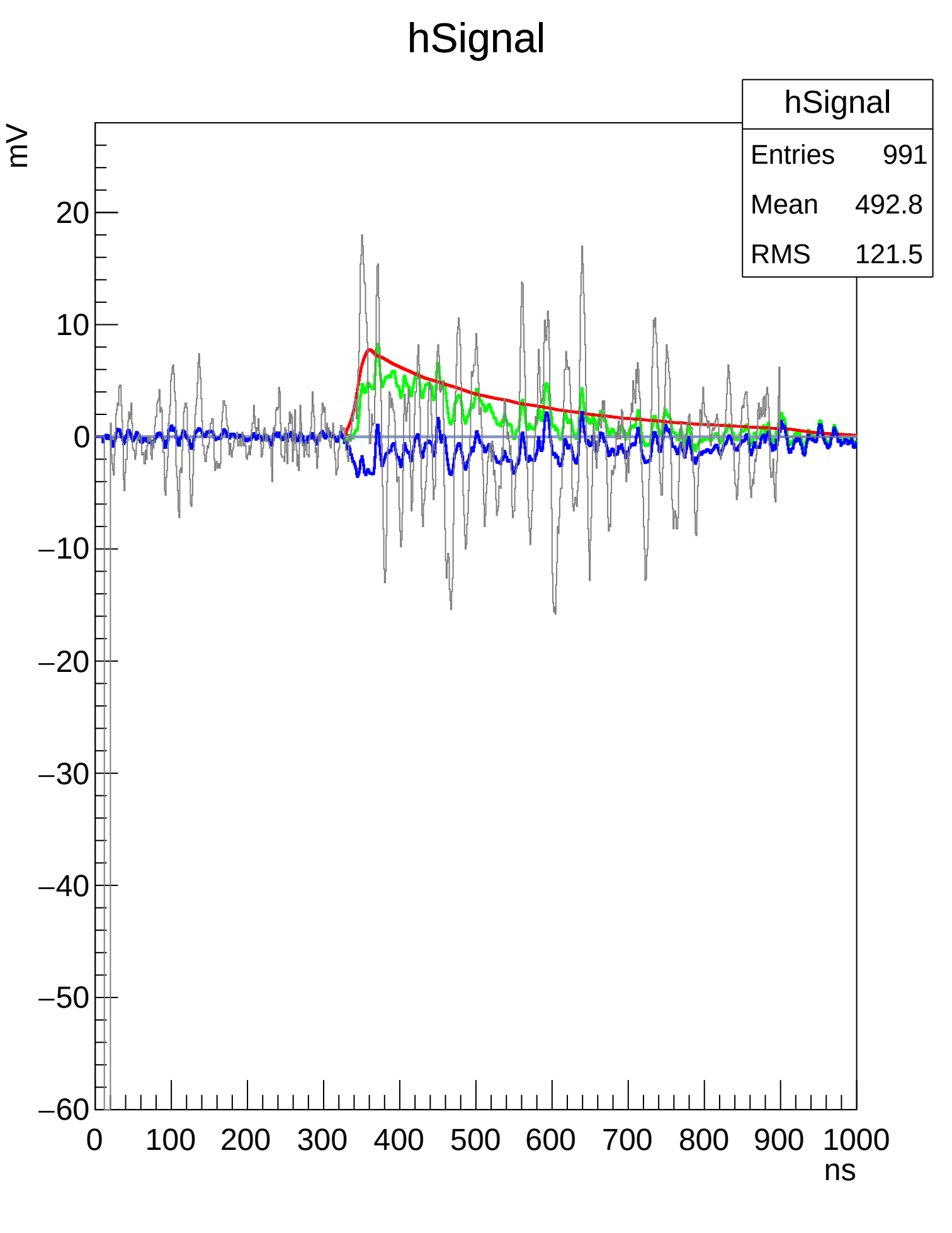
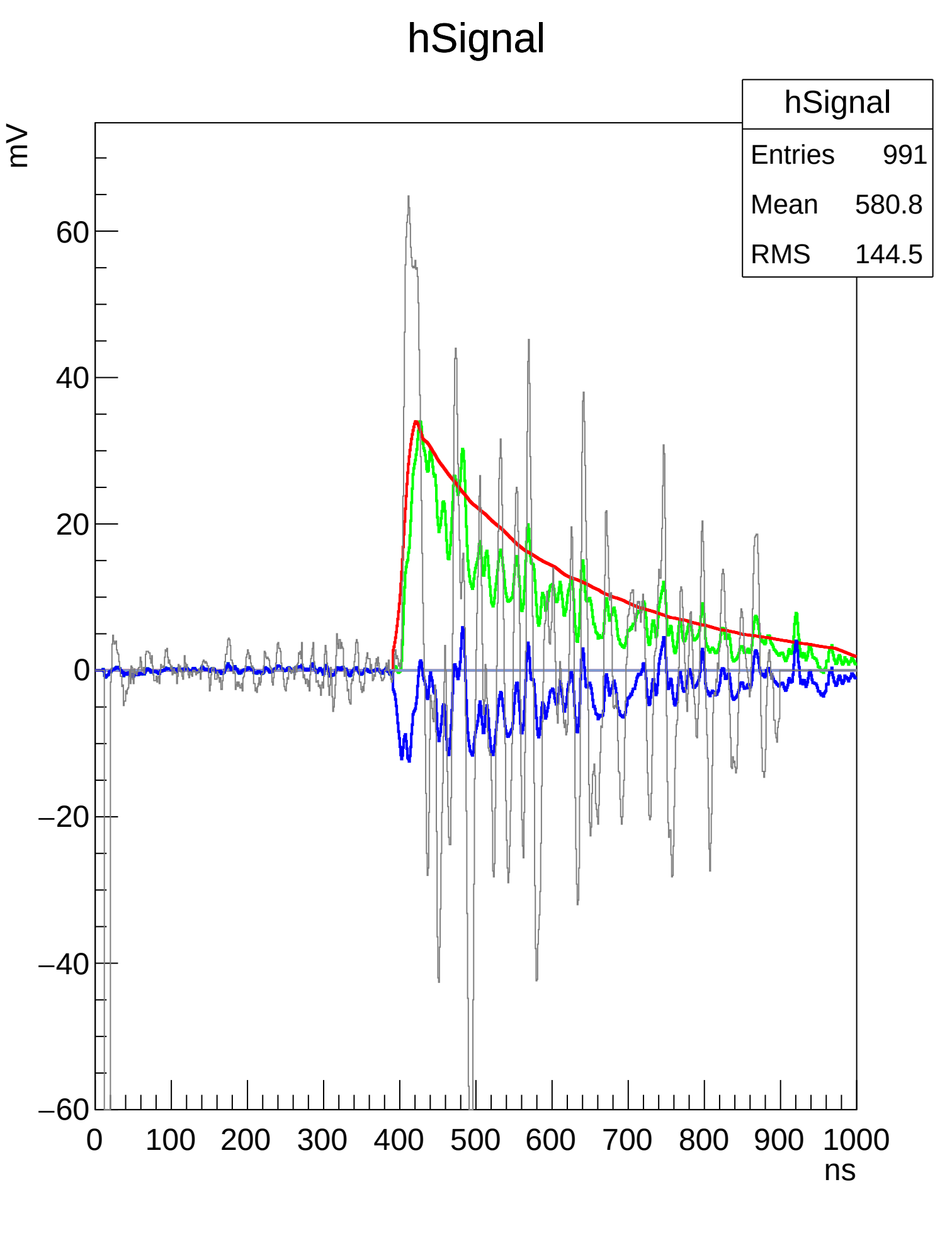
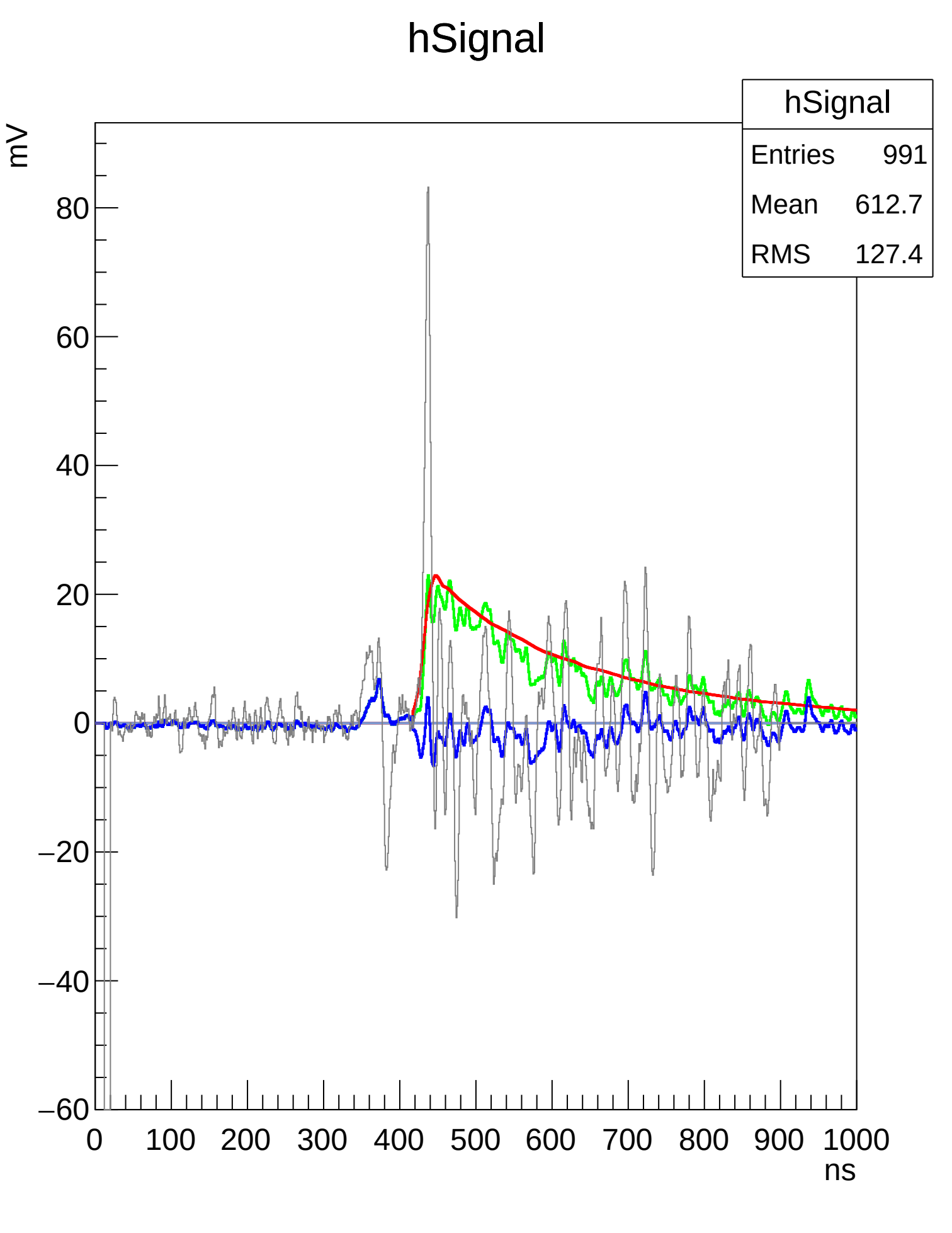
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 492.8
RMS 121.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.8
RMS 144.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.7
RMS 127.4
mV
80
60
40
20
0
−20
−40
−60
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100
200
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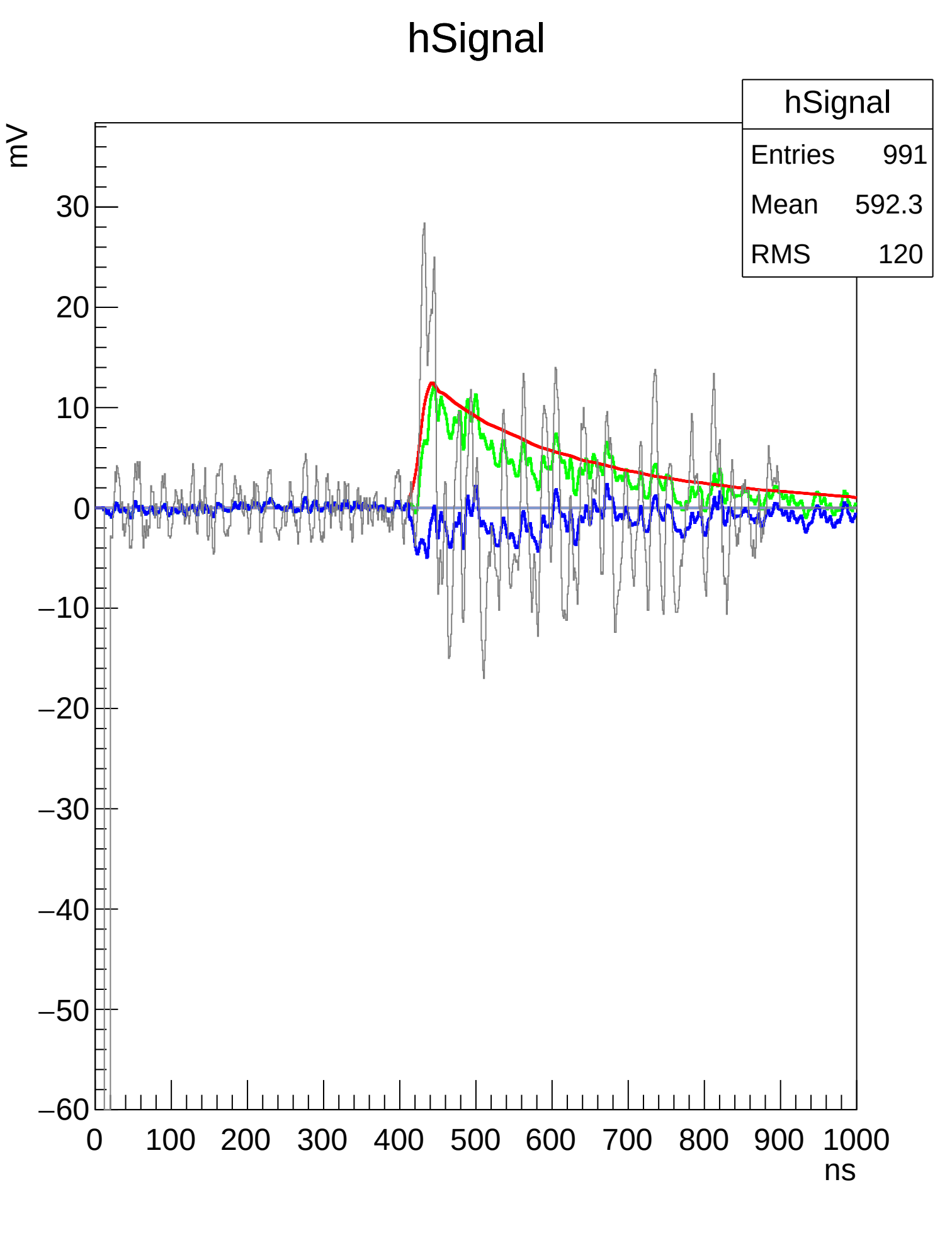
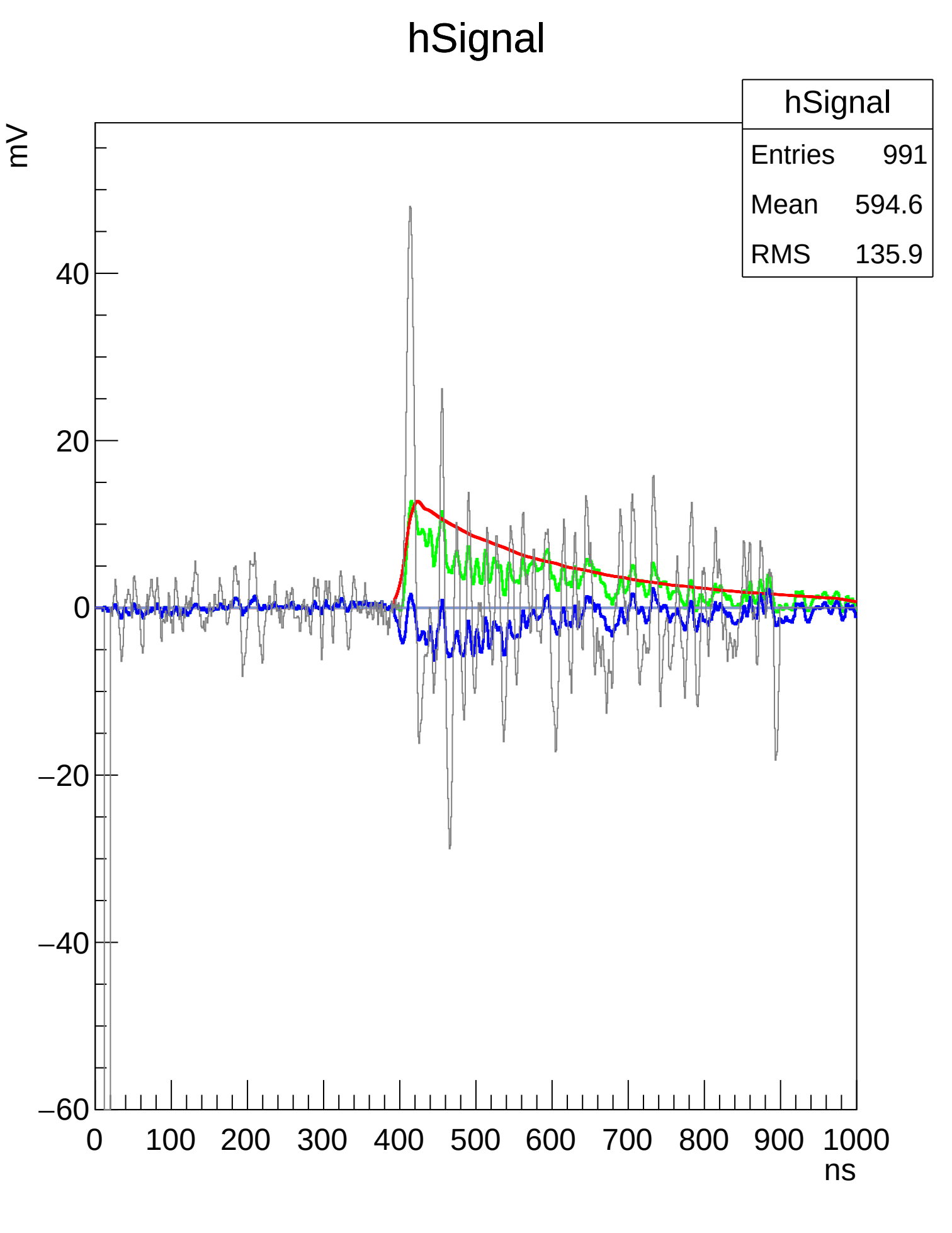
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.3
RMS 120
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.6
RMS 135.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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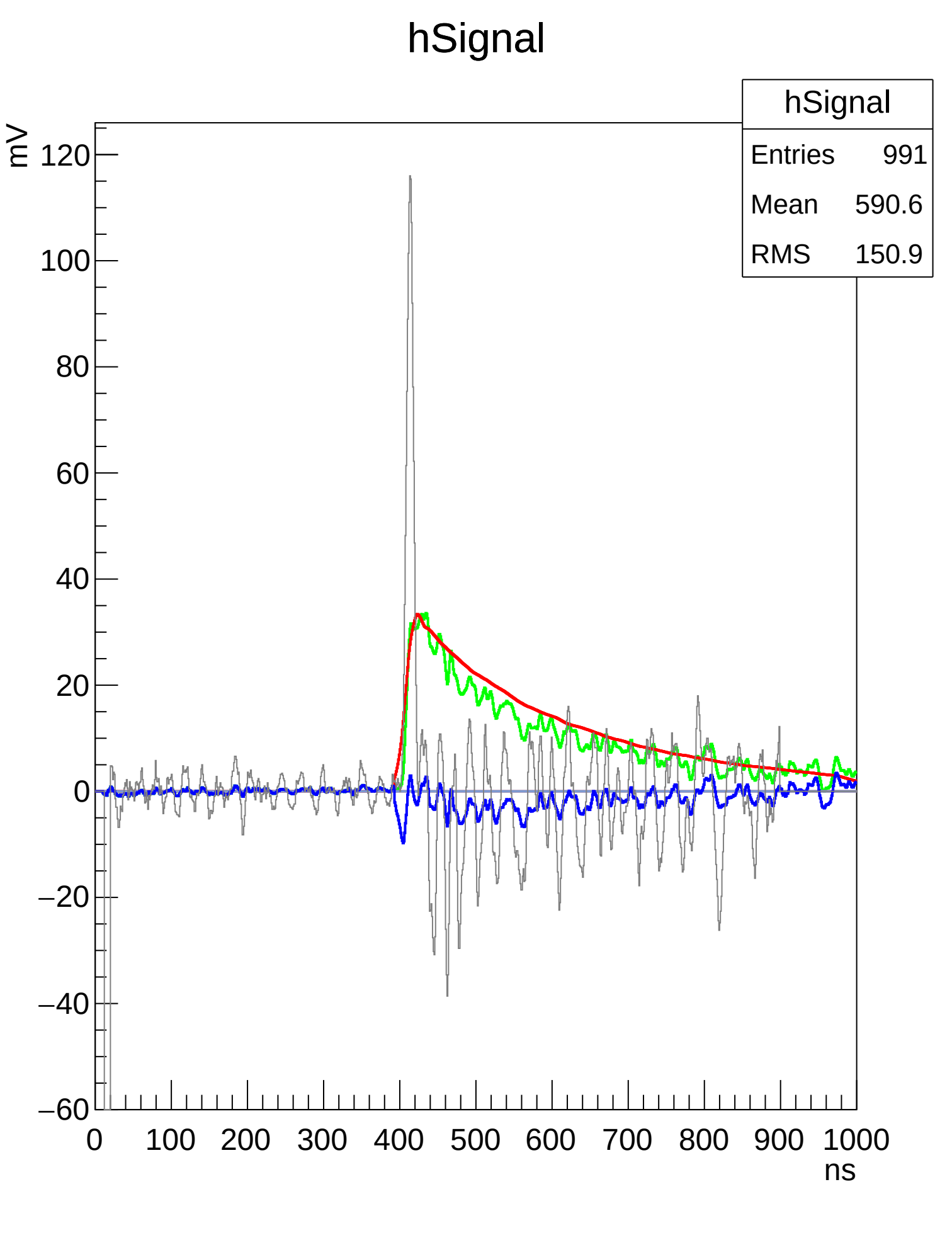
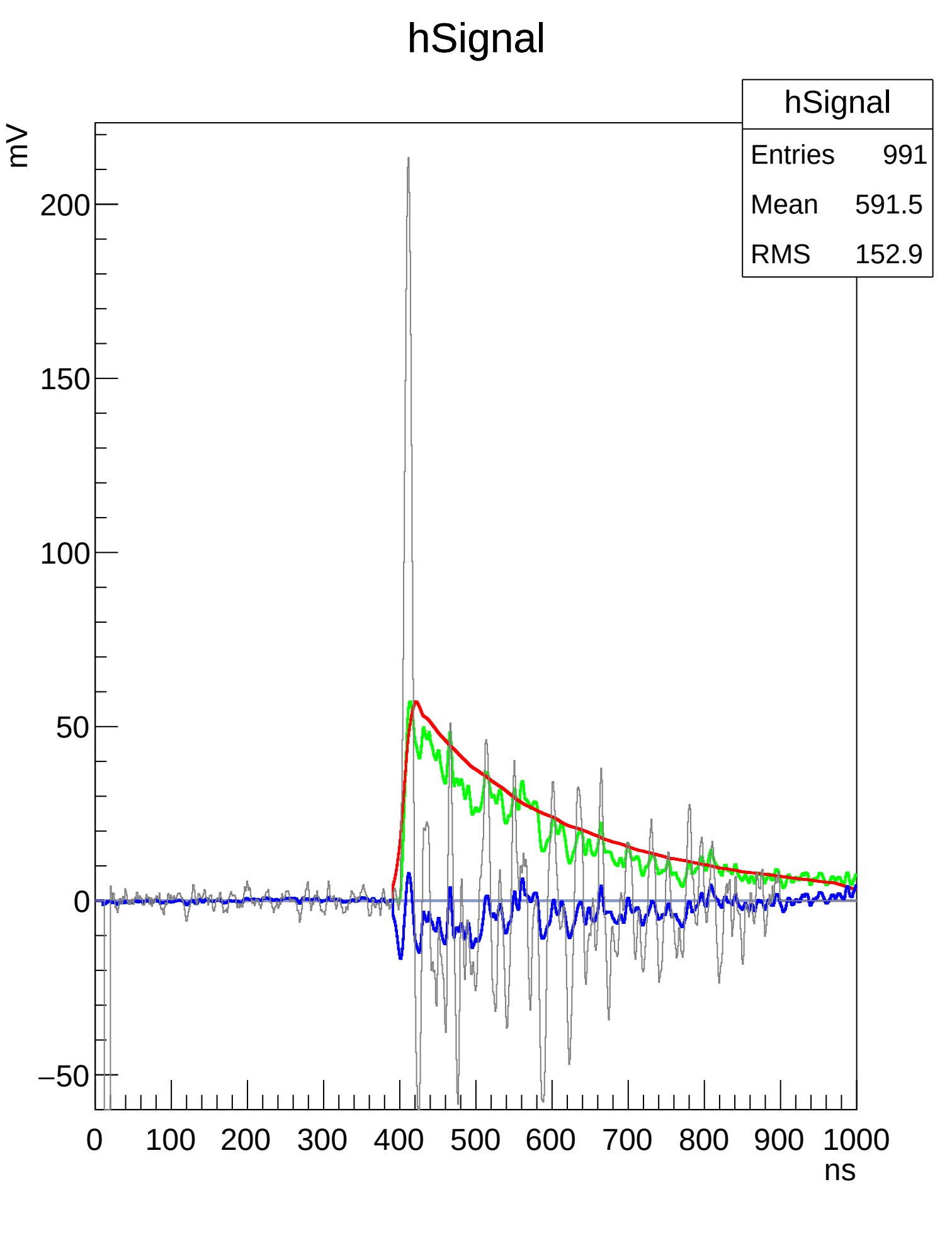
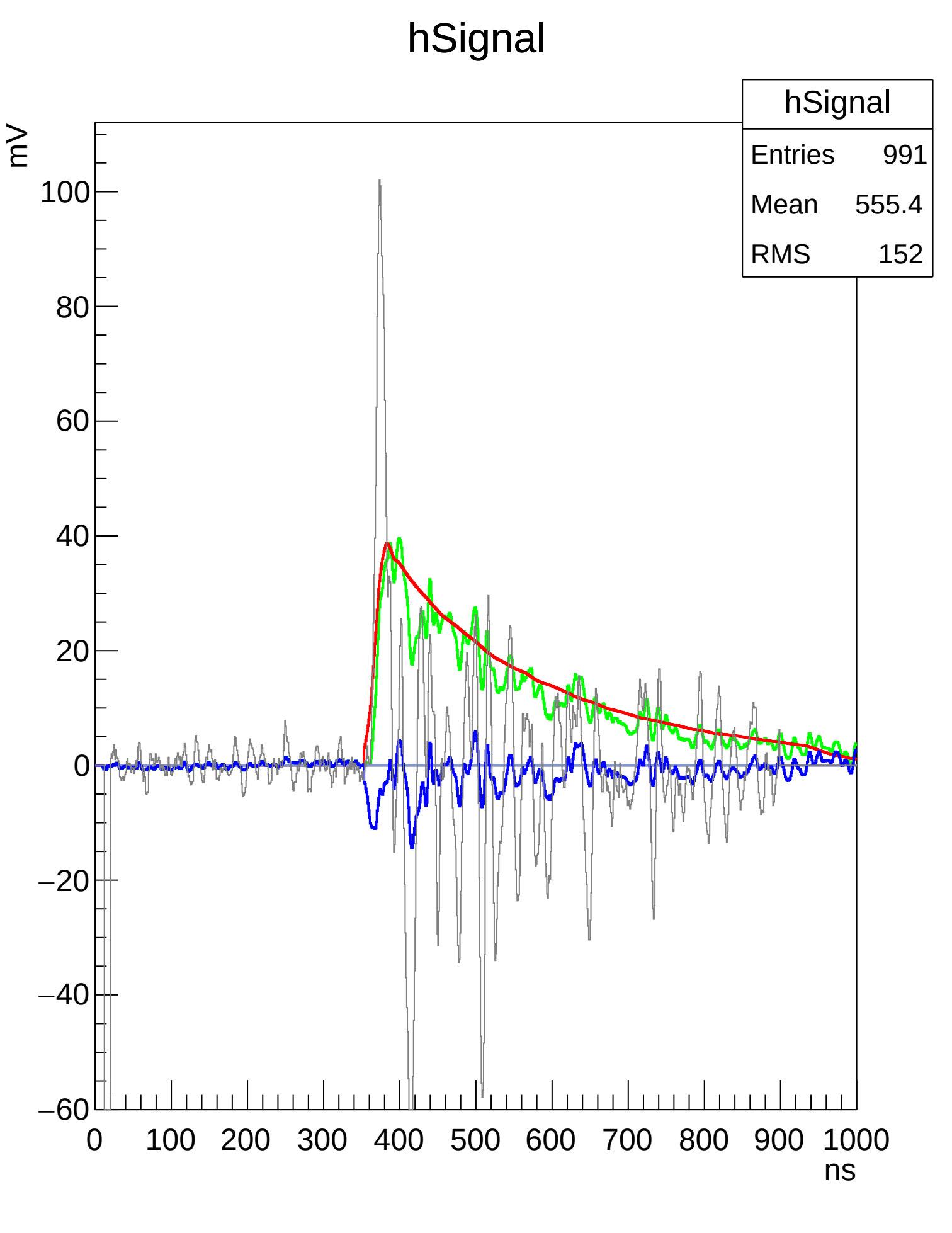
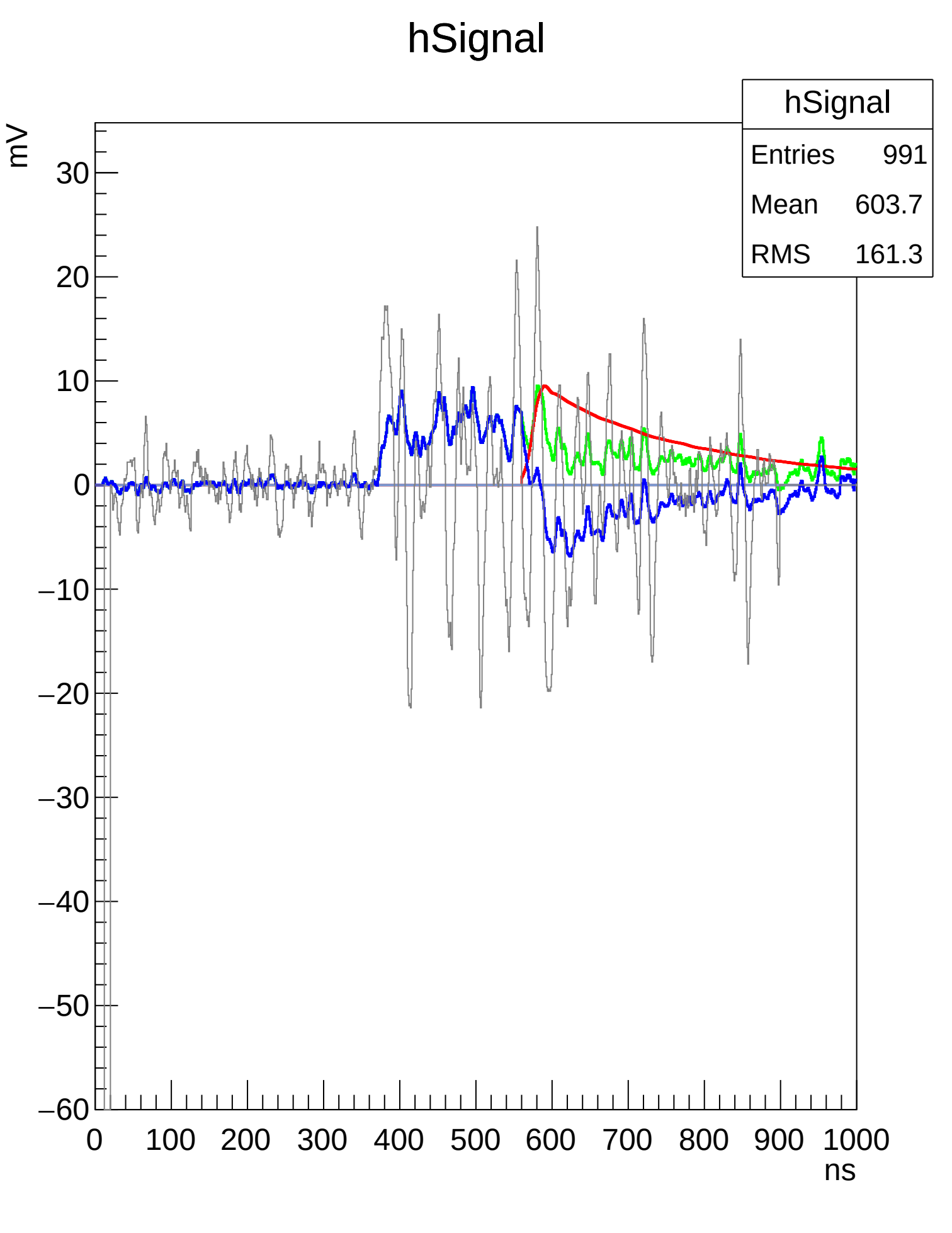
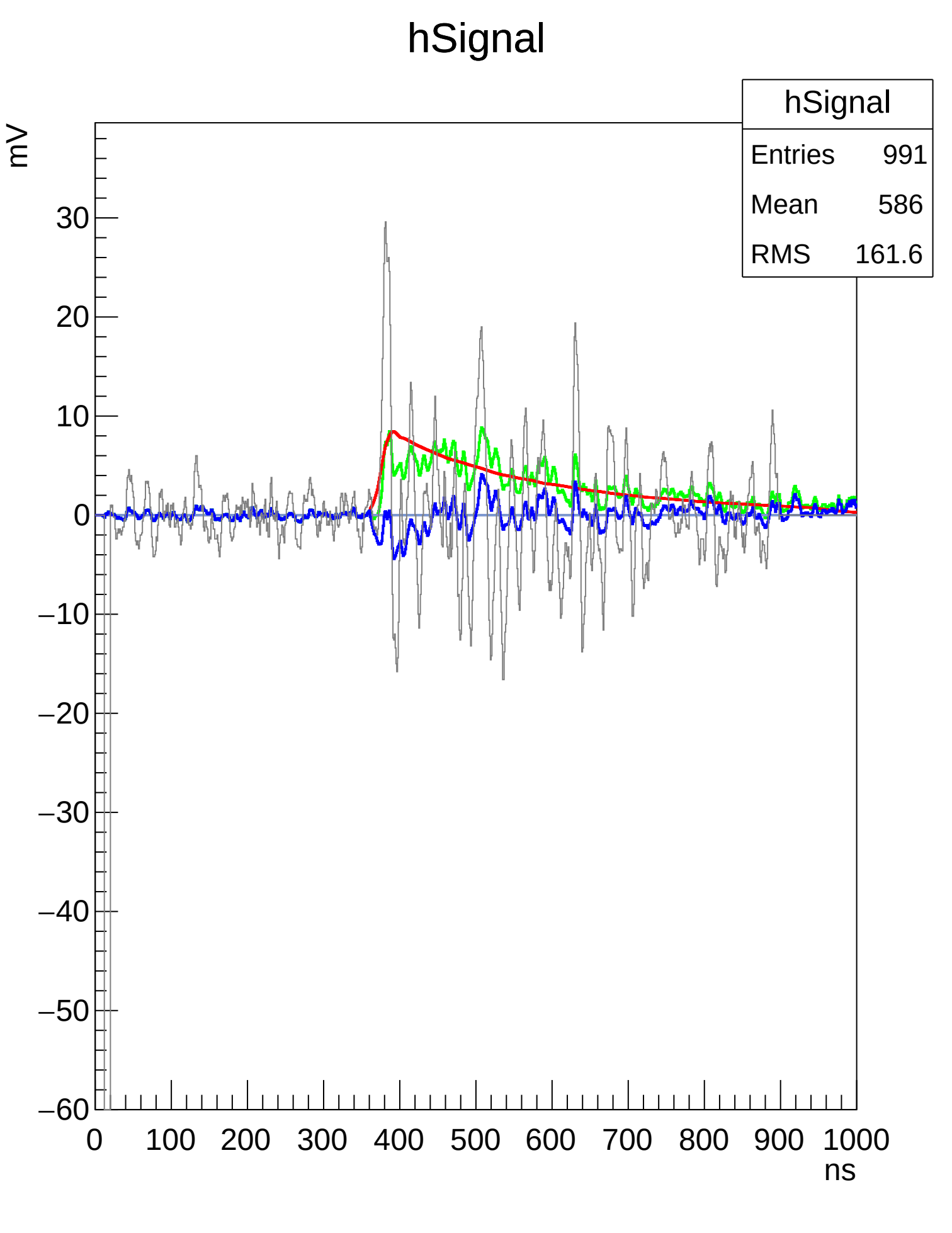
600
700
800
900
1000
ns

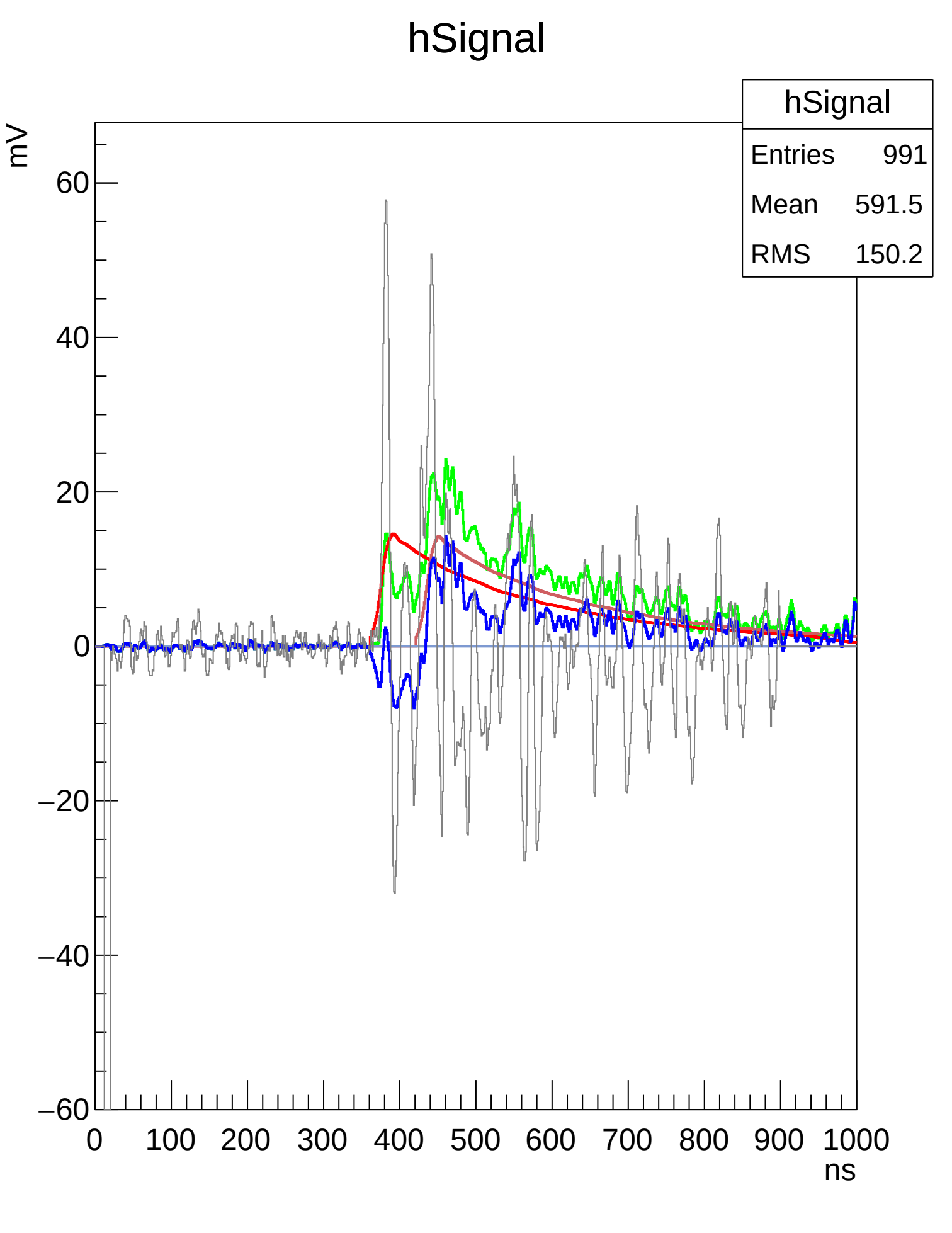

hSignal
hSignal
Entries 991
Mean 590.6
RMS 150.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

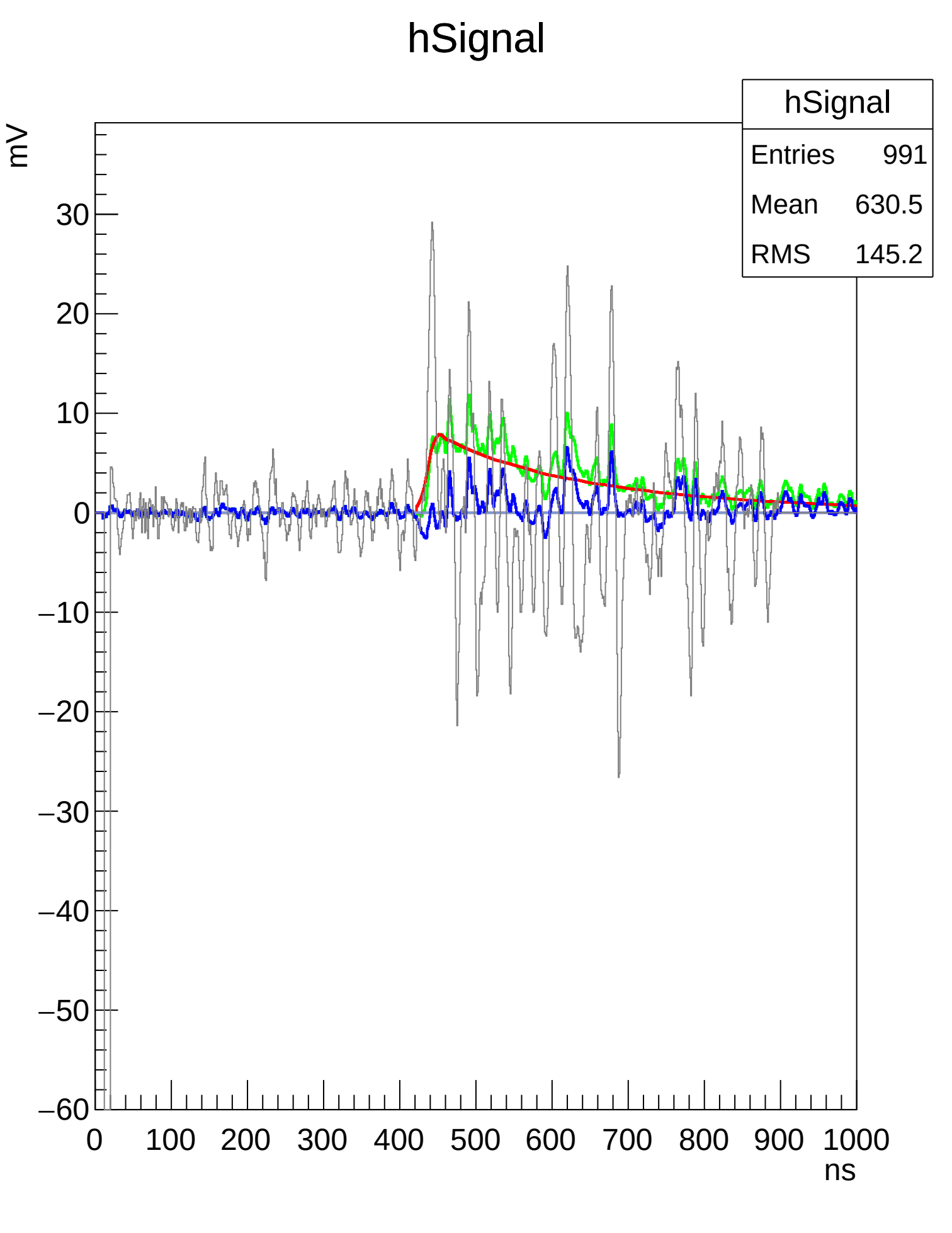

hSignal
hSignal
Entries 991
Mean 591.5
RMS 152.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

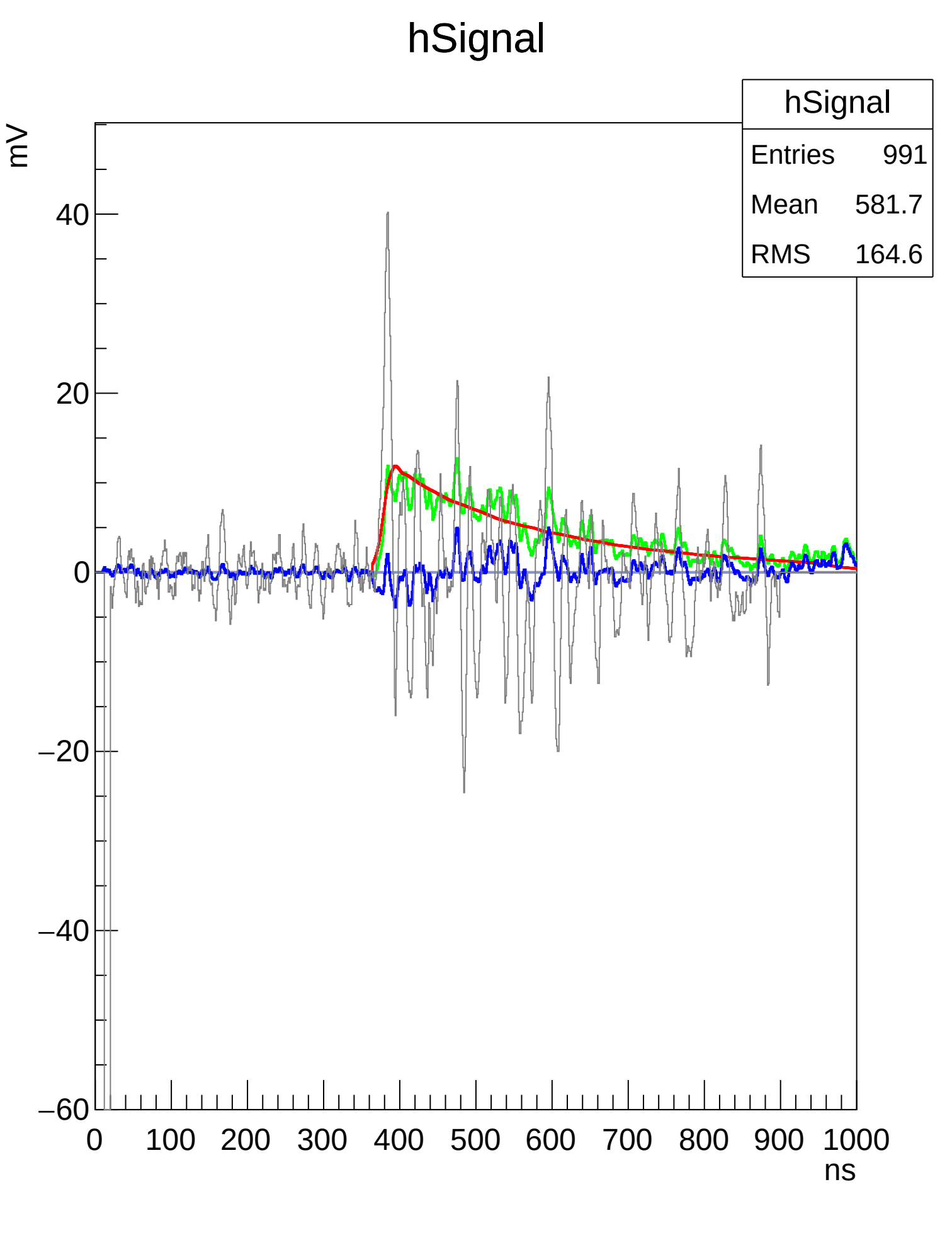

hSignal
hSignal
Entries 991
Mean 555.4
RMS 152
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.7
RMS 161.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586
RMS 161.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.5
RMS 150.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 630.5
RMS 145.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.7
RMS 164.6
mV
40
20
0
−20
−40
−60
0
100
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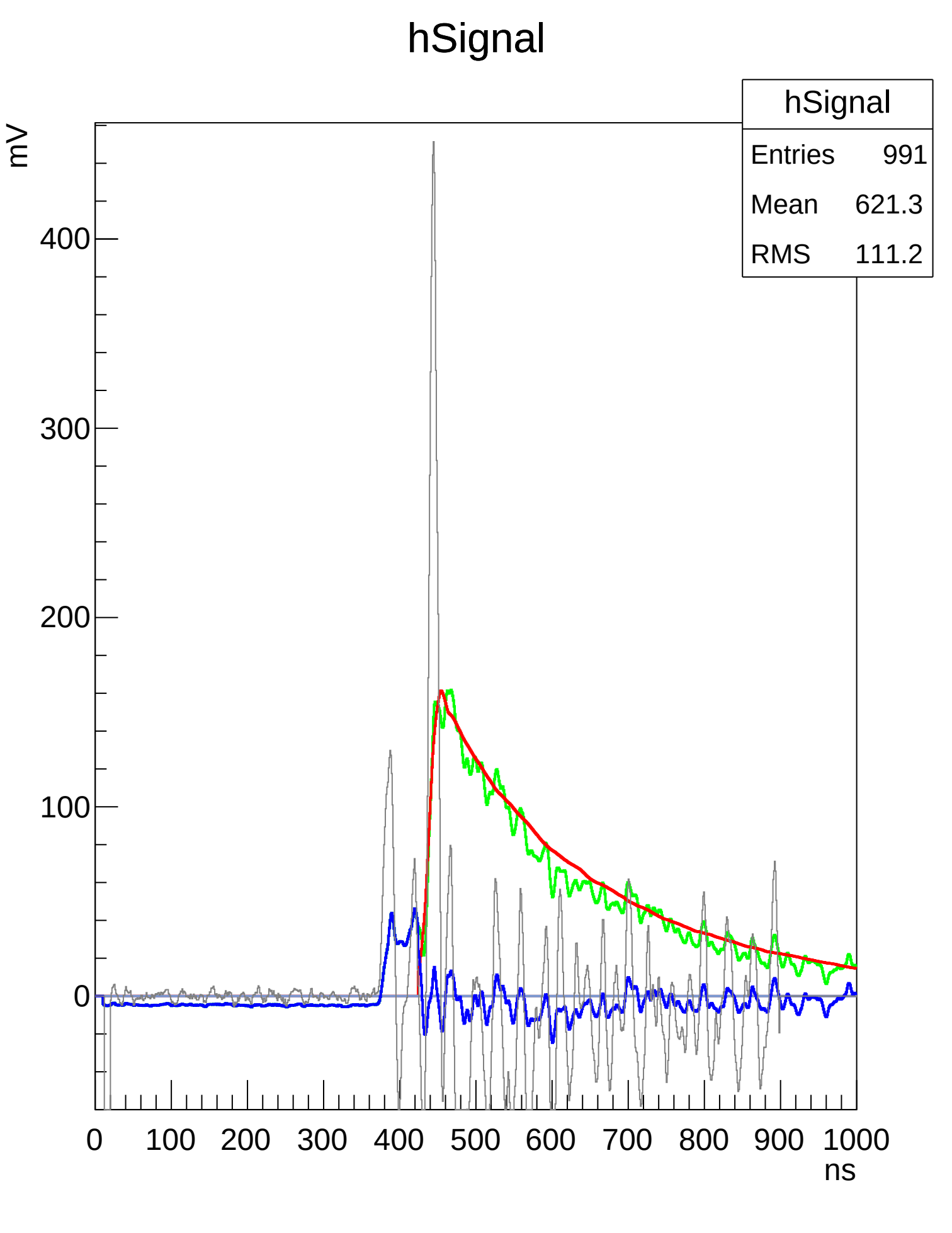
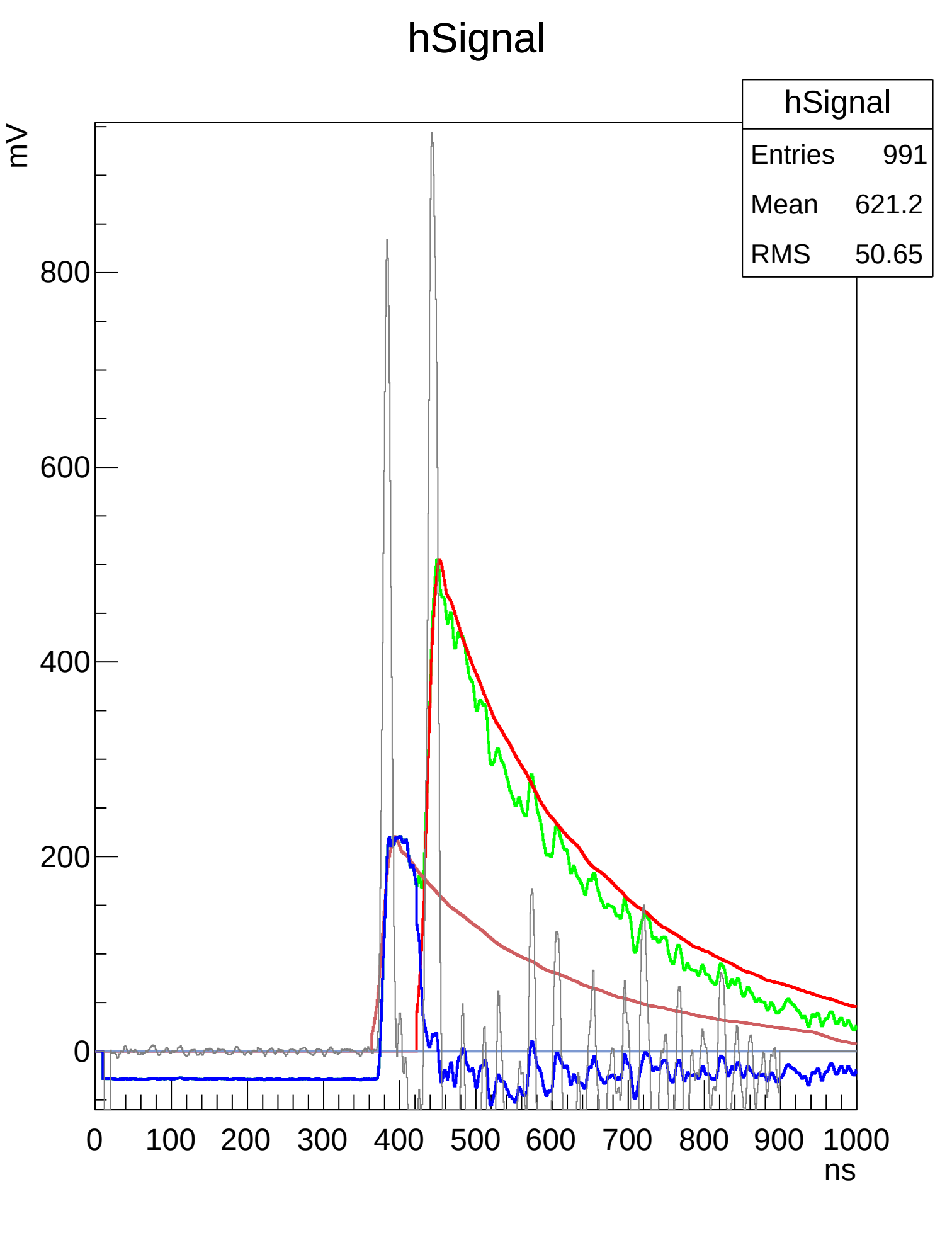
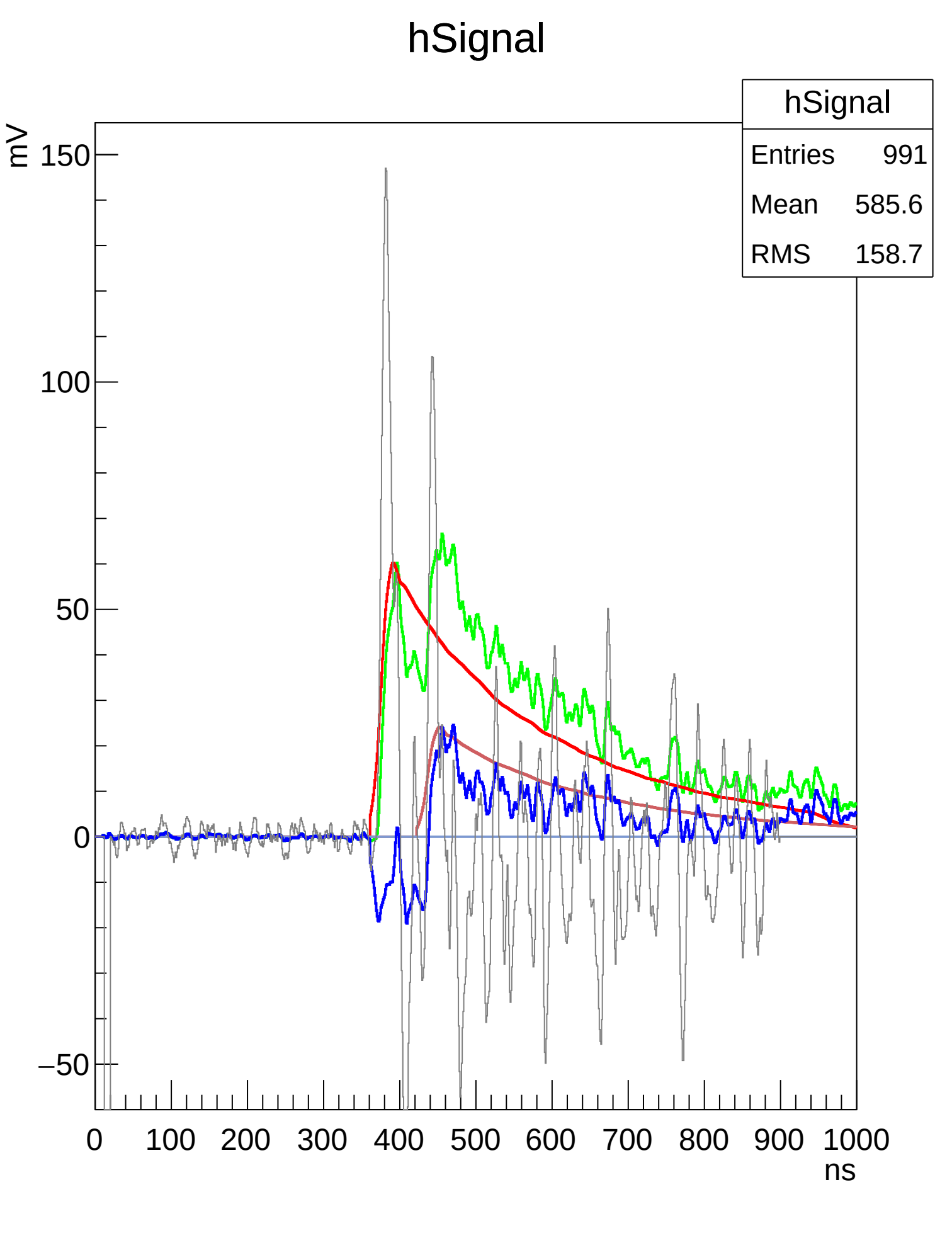
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.3
RMS 111.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.2
RMS 50.65
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 585.6
RMS 158.7
mV
150
100
50
0
−50
0
100
200
300
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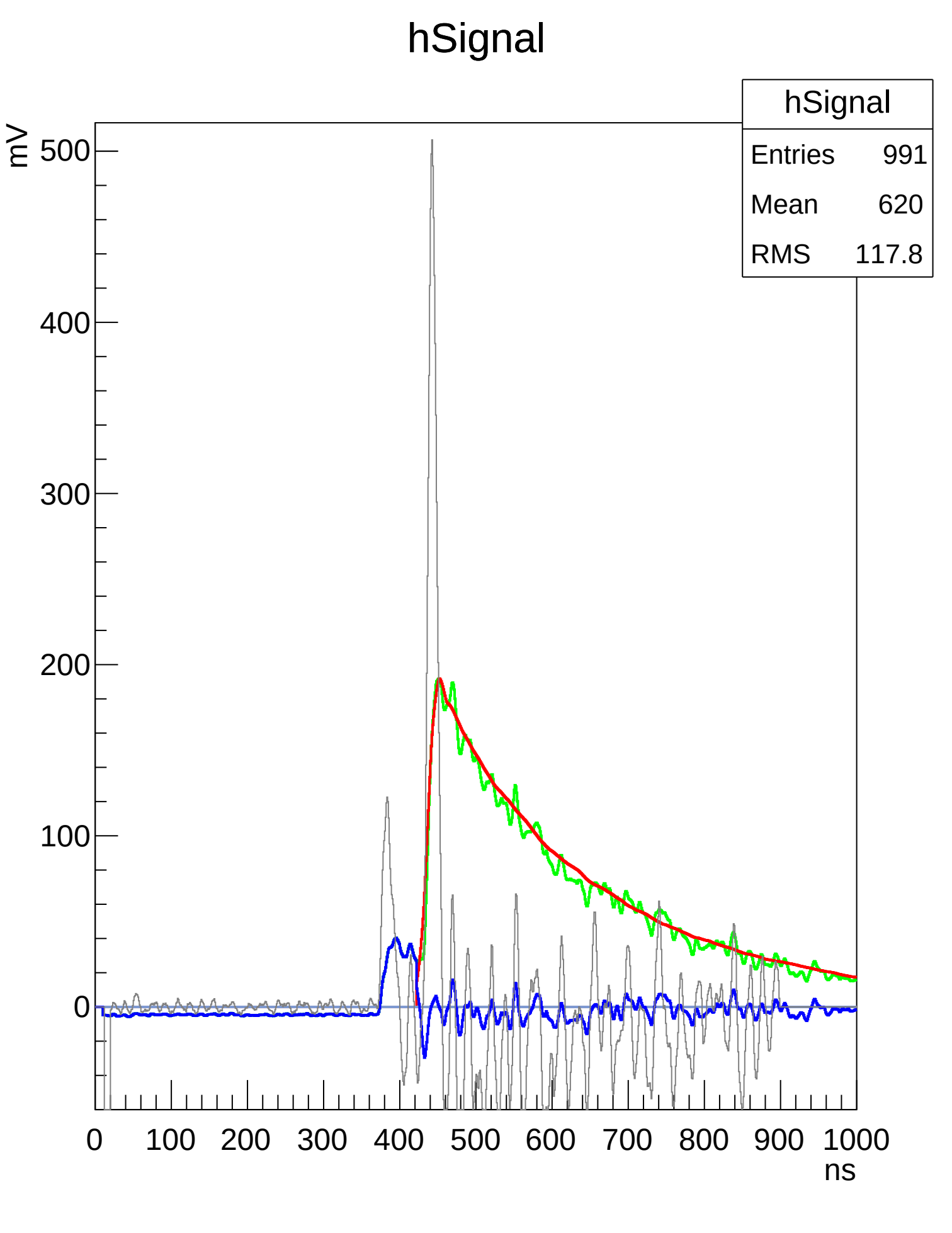
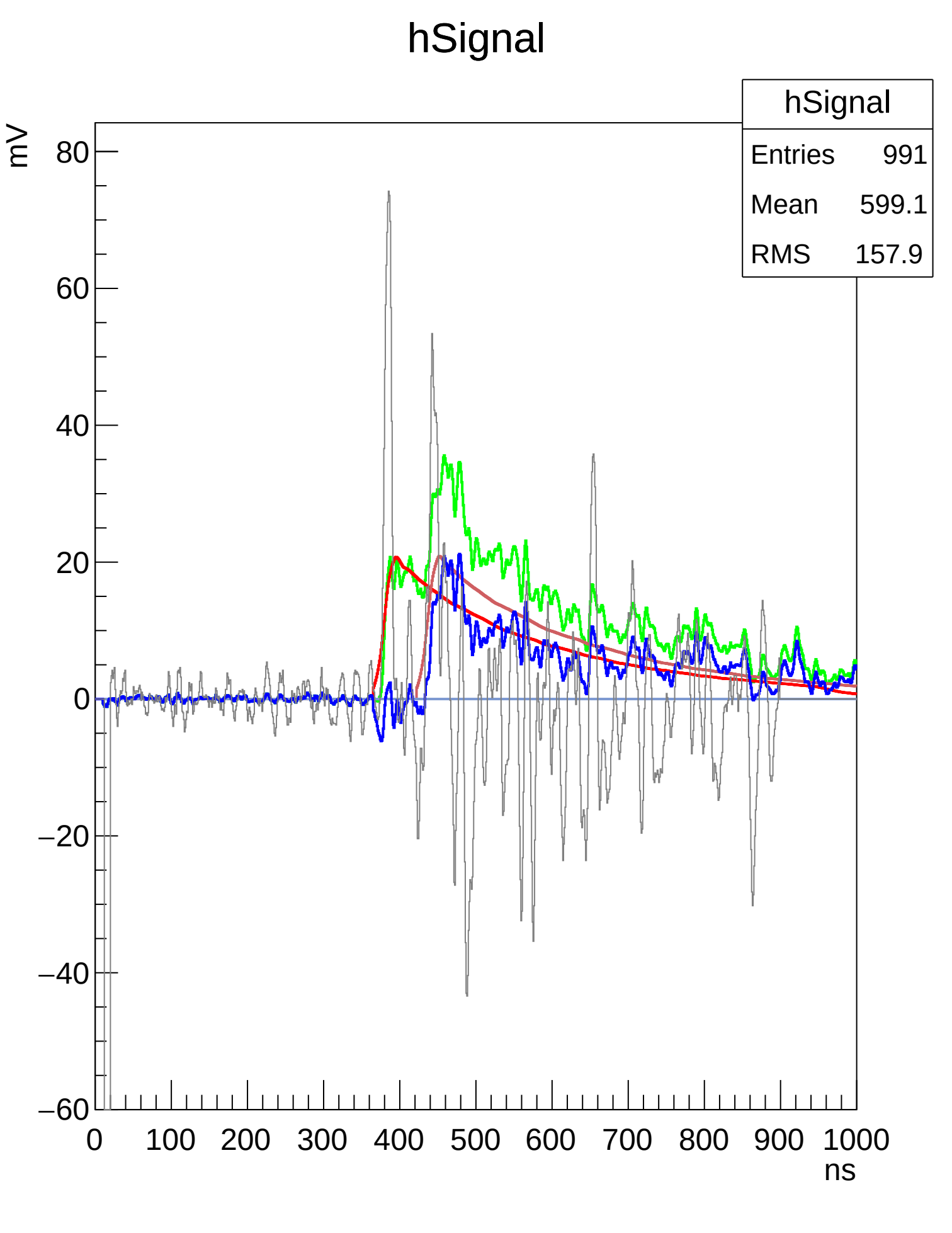
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620
RMS 117.8
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.1
RMS 157.9
mV
80
60
40
20
0
−20
−40
−60
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100
200
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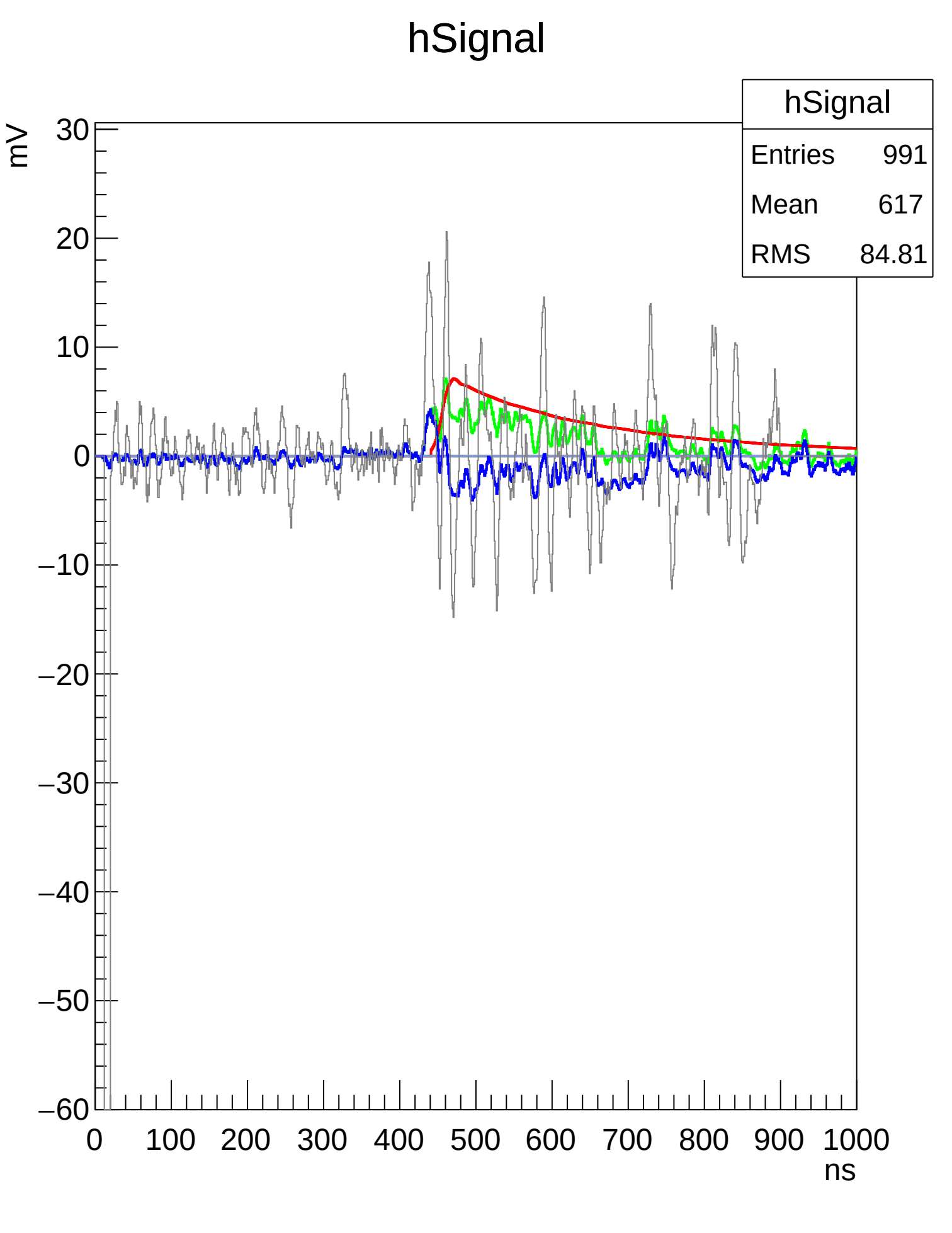
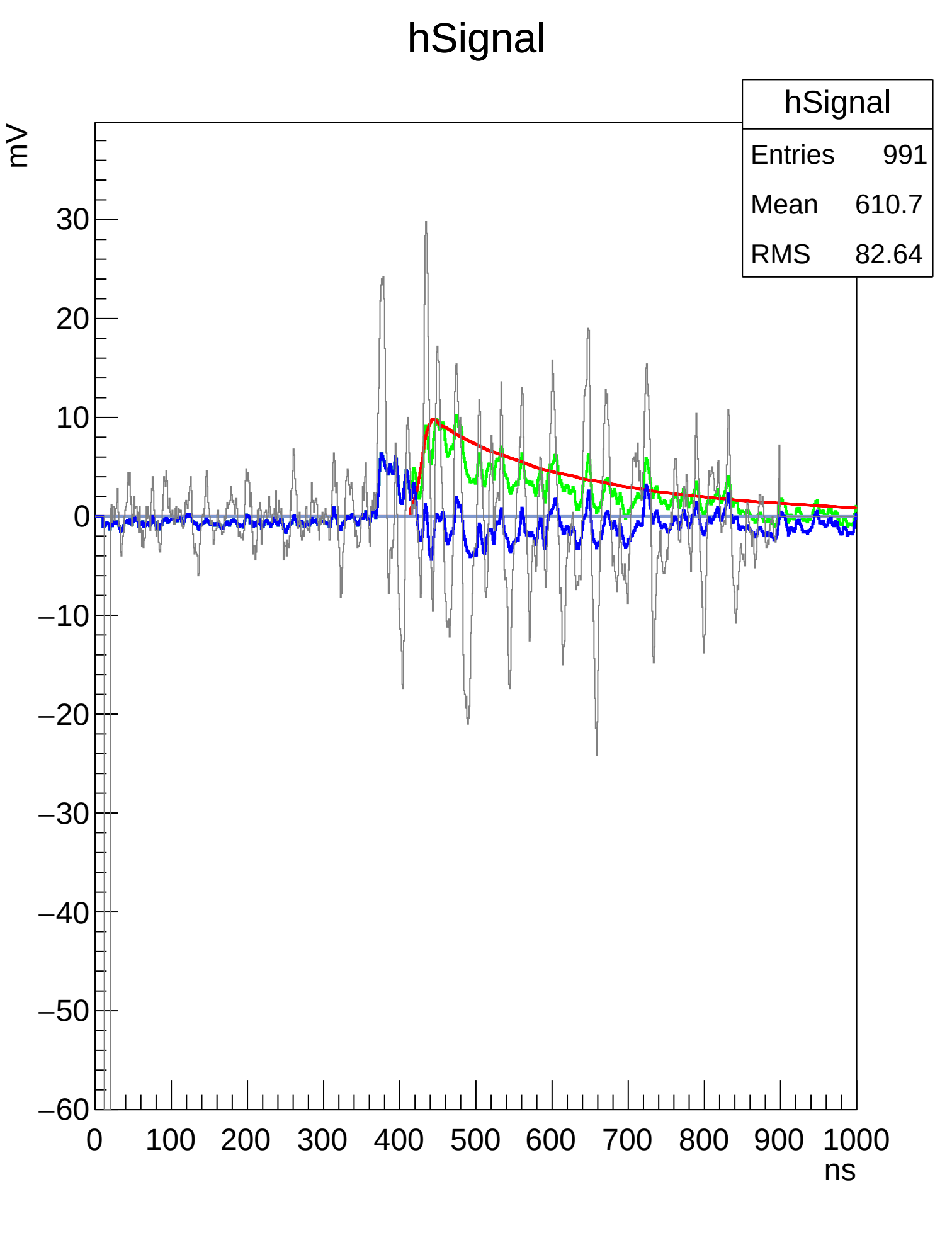
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617
RMS 84.81
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.7
RMS 82.64
mV
30
20
10
0
−10
−20
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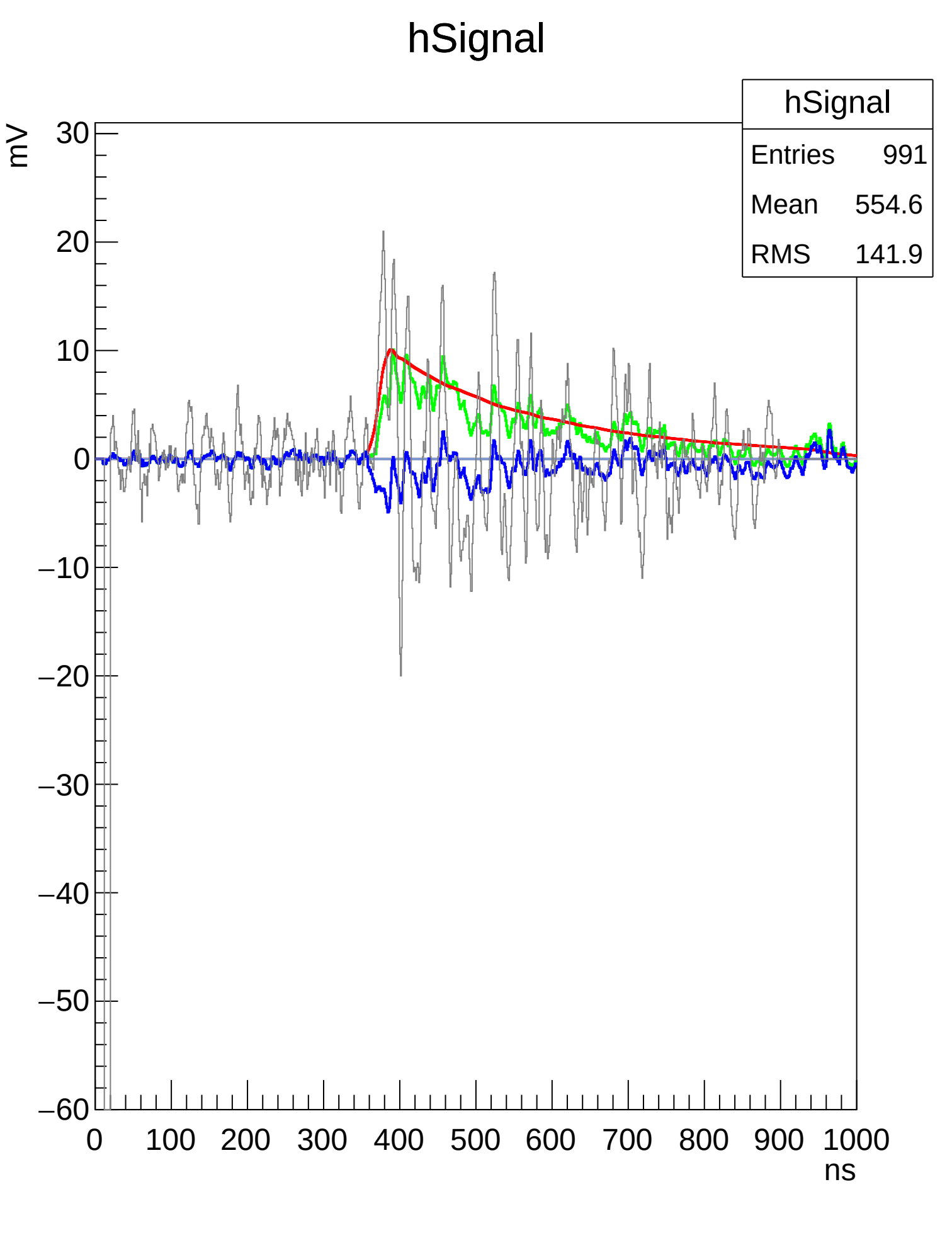
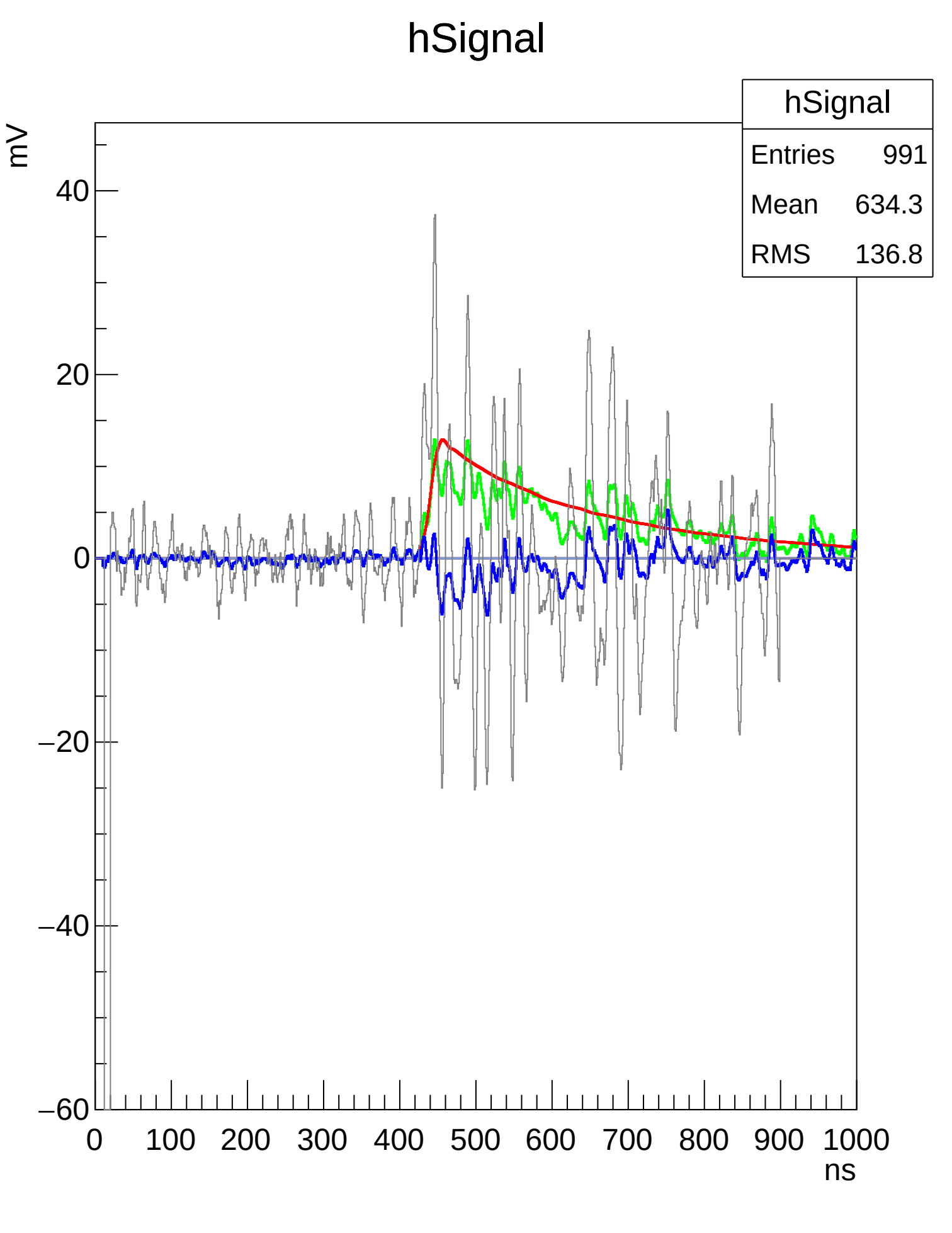
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.6
RMS 141.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 634.3
RMS 136.8
mV
40
20
0
−20
−40
−60
0
100
200
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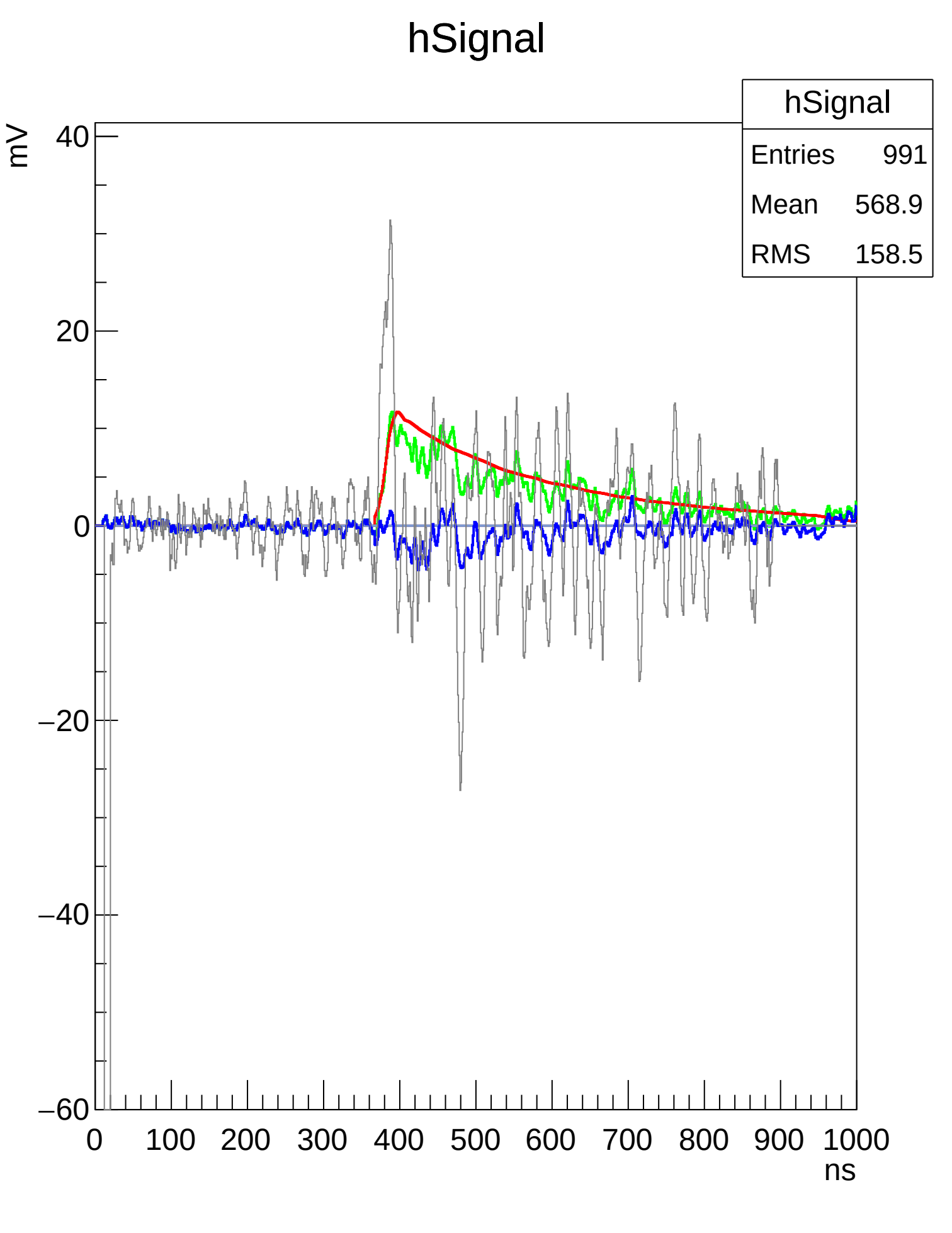
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.9
RMS 158.5
mV
40
20
0
−20
−40
−60
0
100
200
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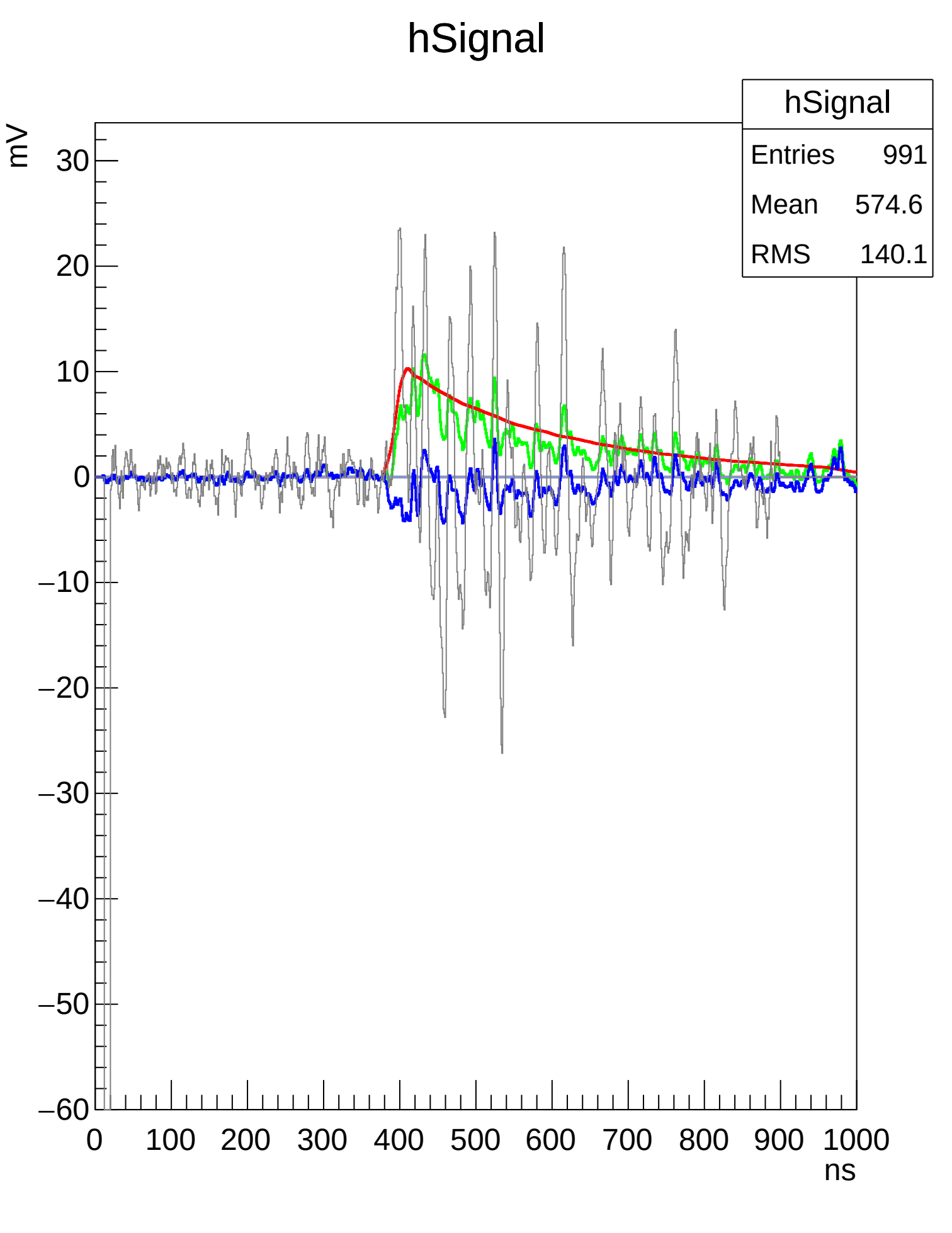
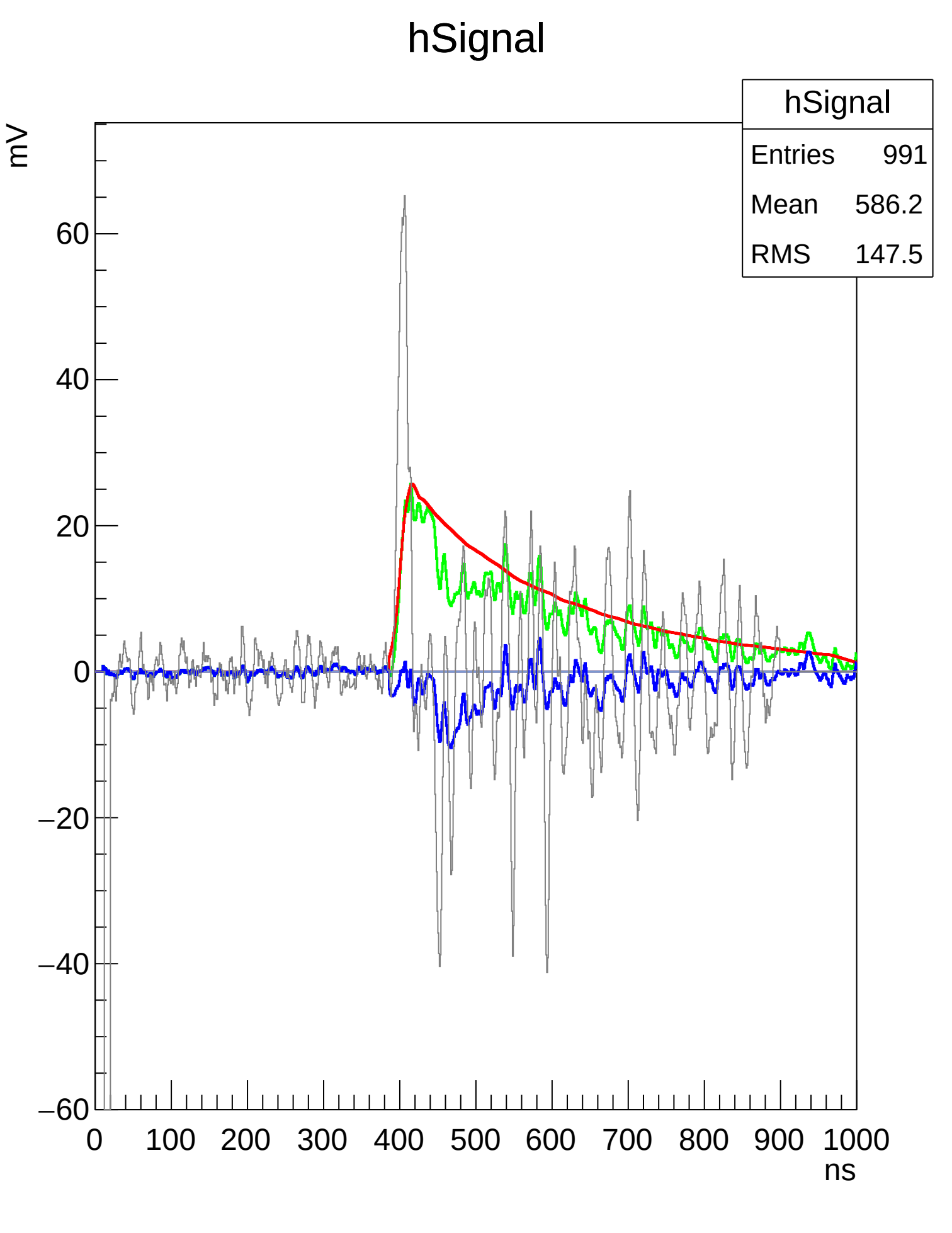
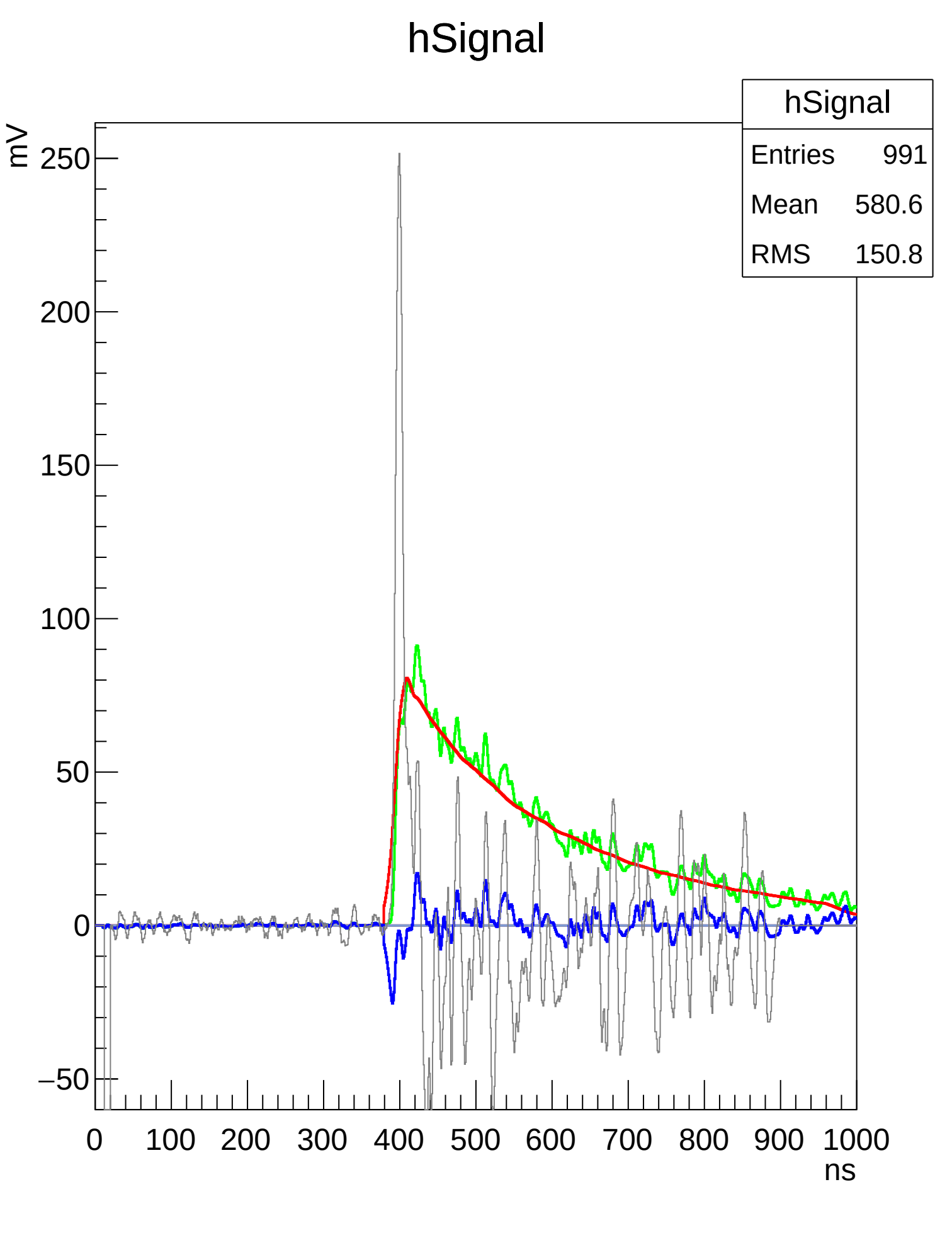
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.6
RMS 140.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.2
RMS 147.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.6
RMS 150.8
mV
250
200
150
100
50
0
−50
0
100
200
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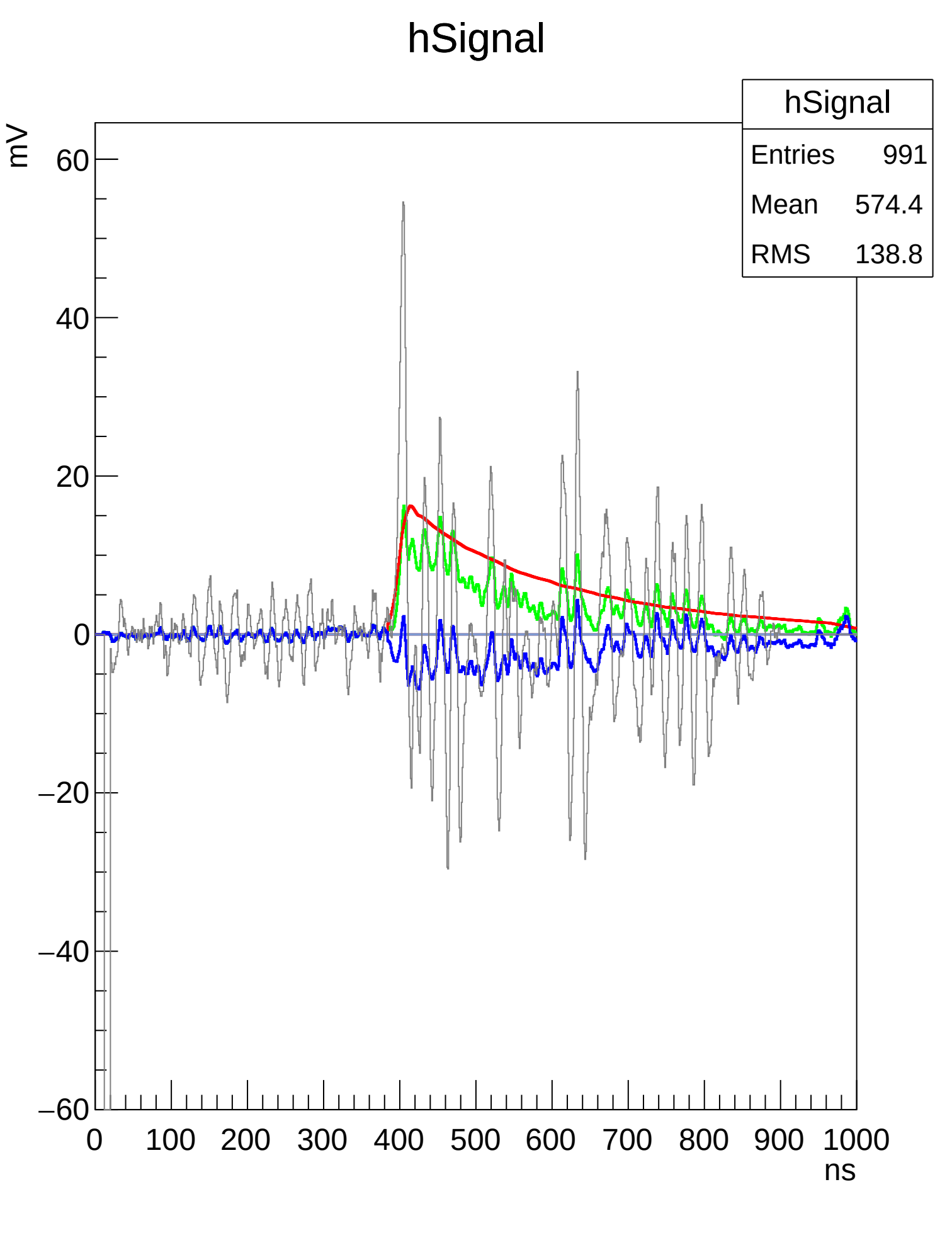
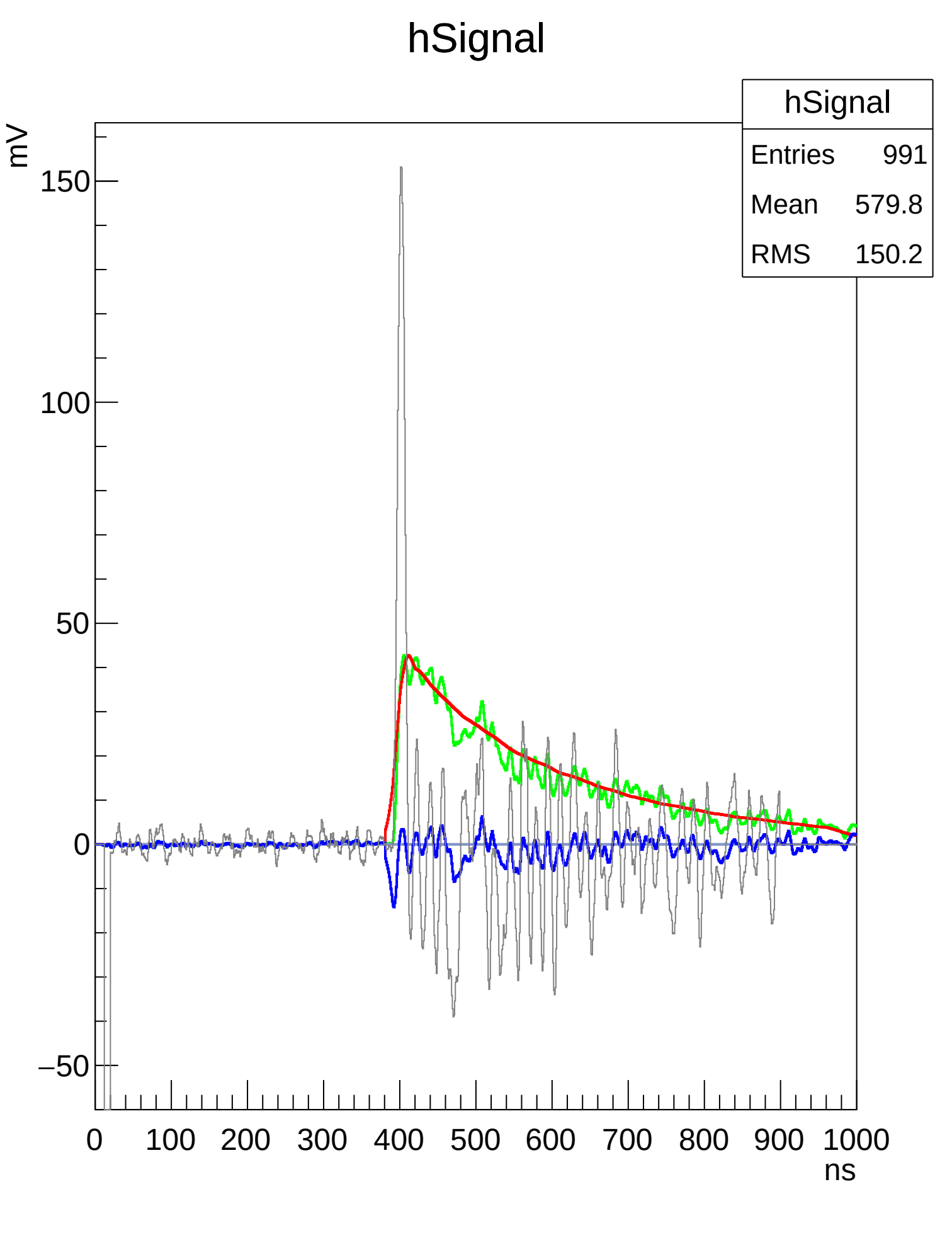
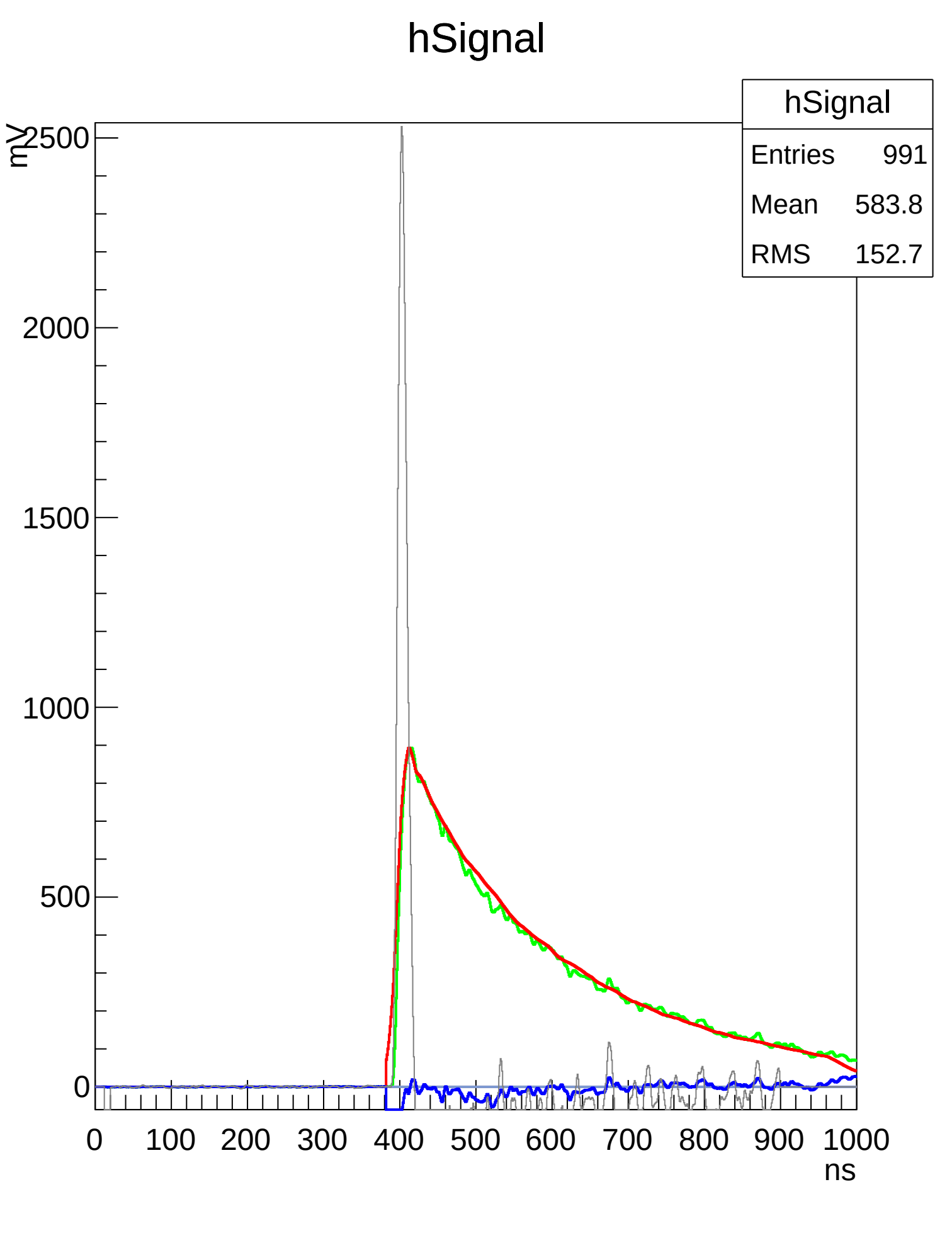
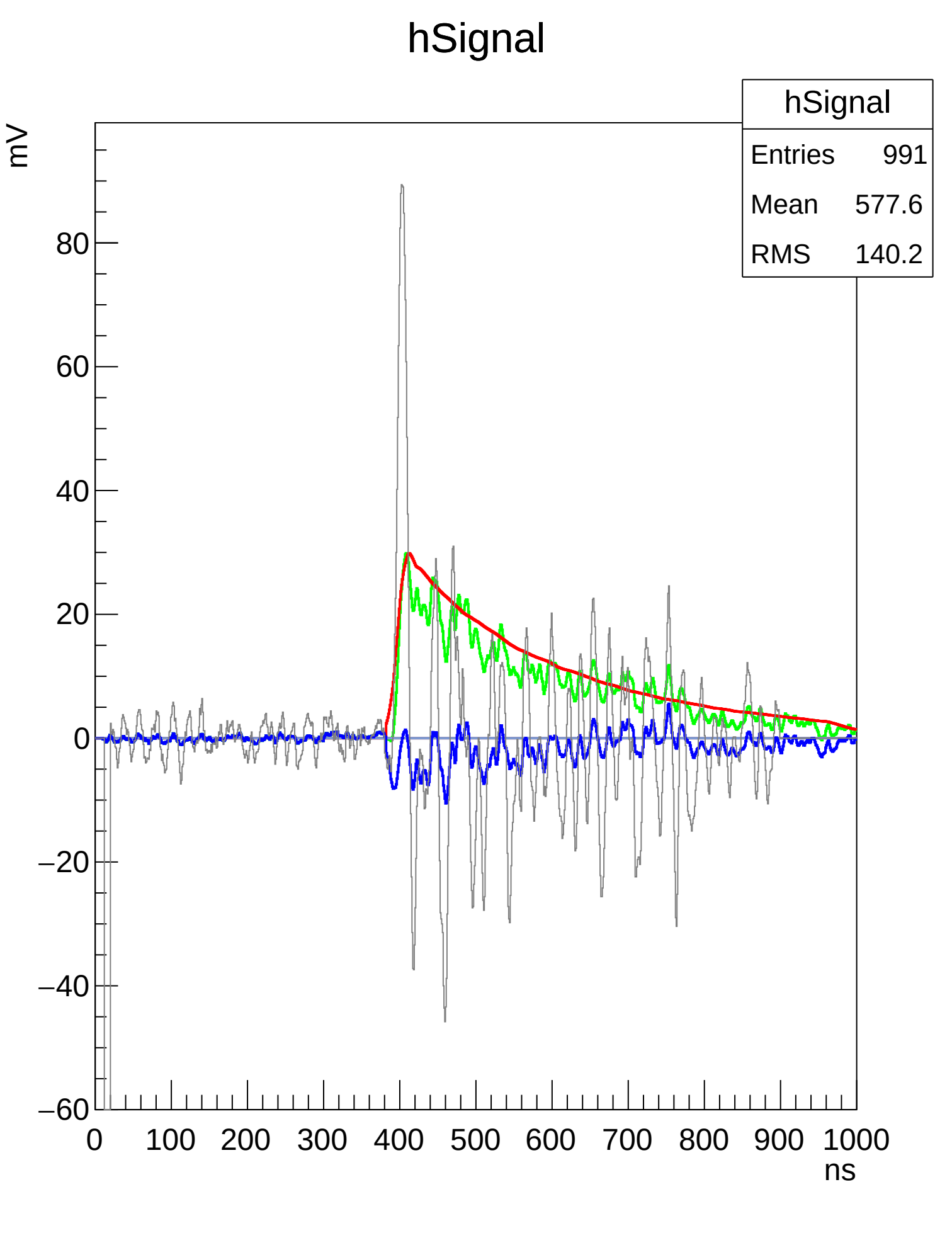
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.4
RMS 138.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.8
RMS 150.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.8
RMS 152.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 577.6
RMS 140.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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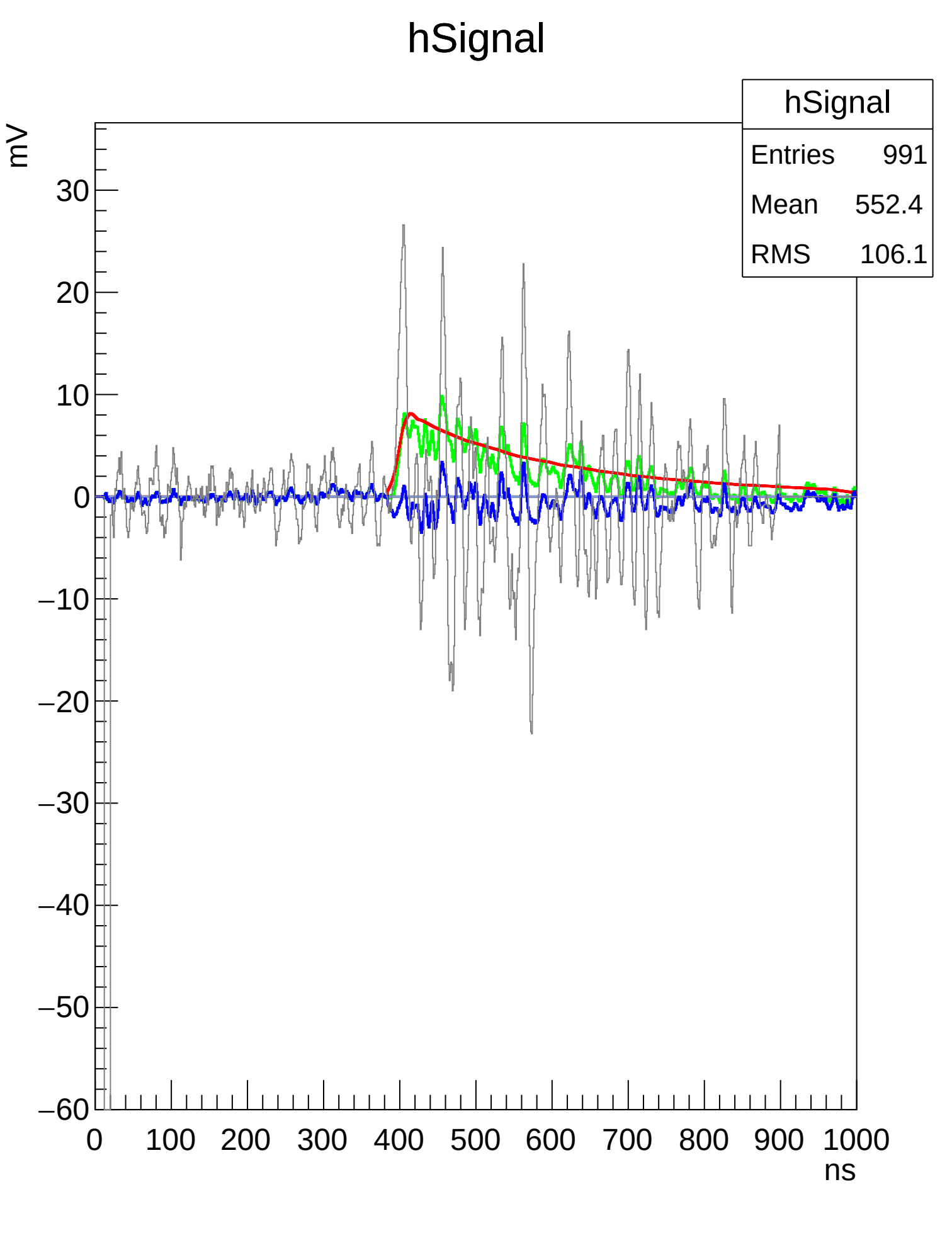
1000
ns


hSignal
hSignal
Entries 991
Mean 552.4
RMS 106.1
mV
30
20
10
0
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−40
−50
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0
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400
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800
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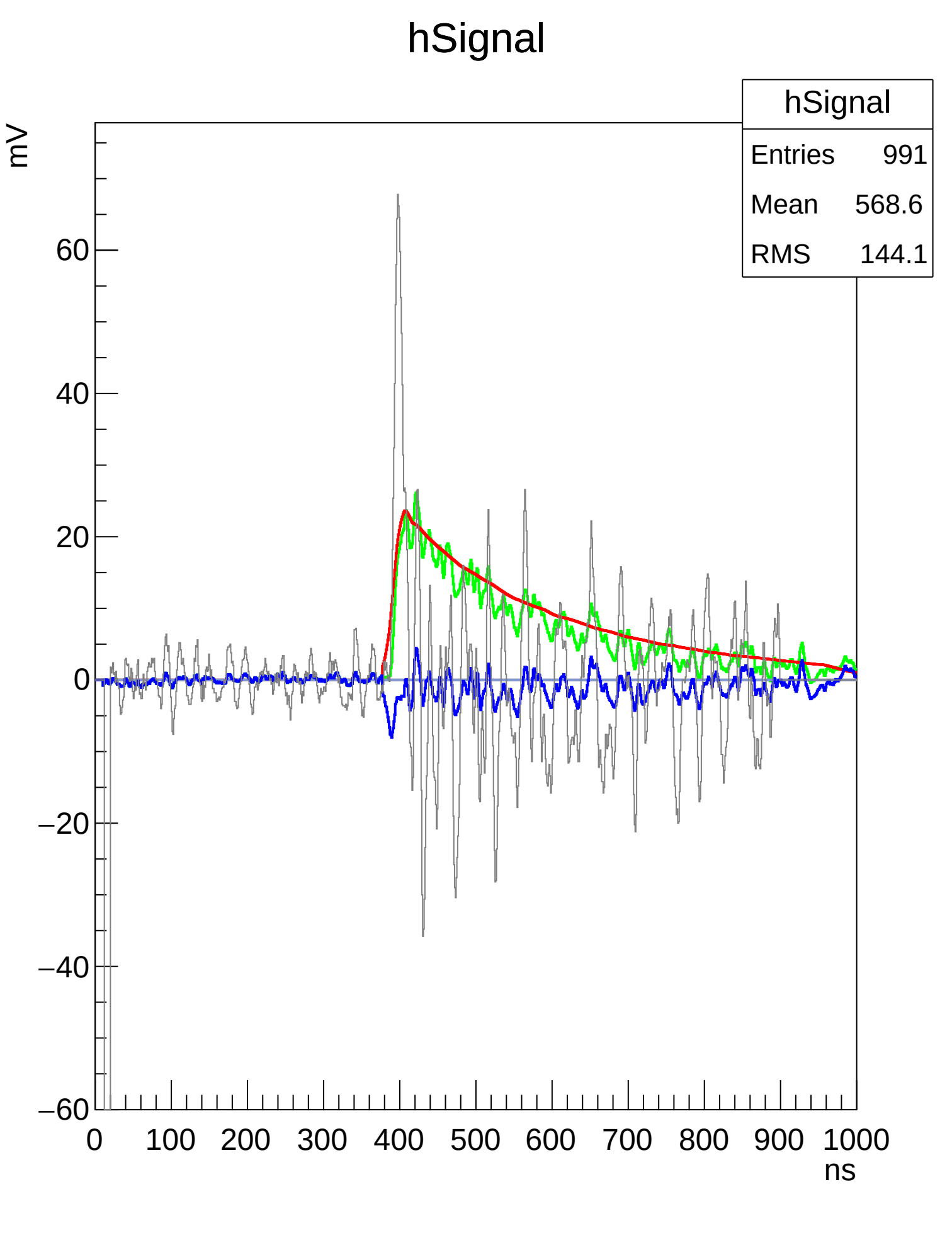
1000
ns


hSignal
hSignal
Entries 991
Mean 568.6
RMS 144.1
mV
60
40
20
0
−20
−40
−60
0
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400
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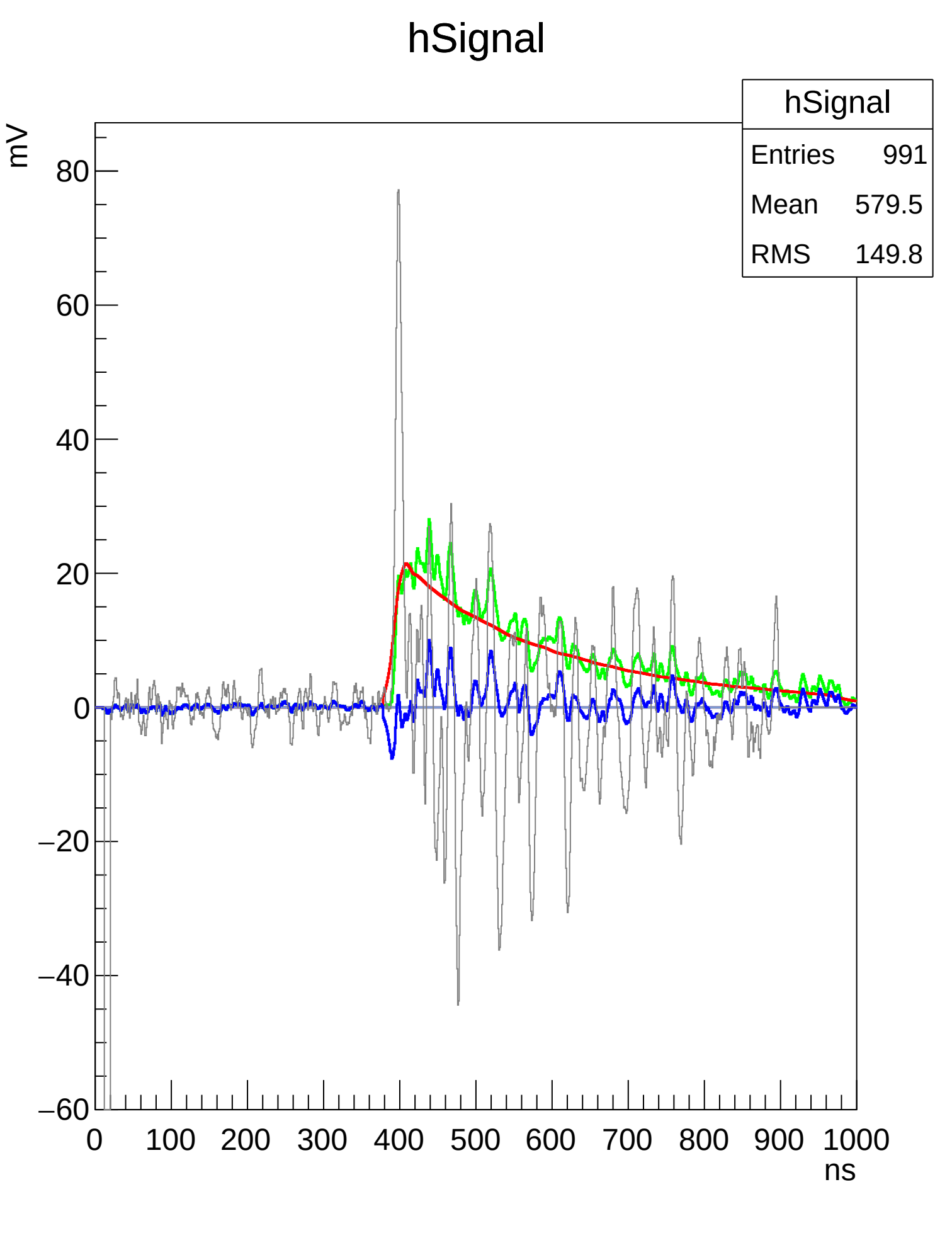
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.5
RMS 149.8
mV
80
60
40
20
0
−20
−40
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0
100
200
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400
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600
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800
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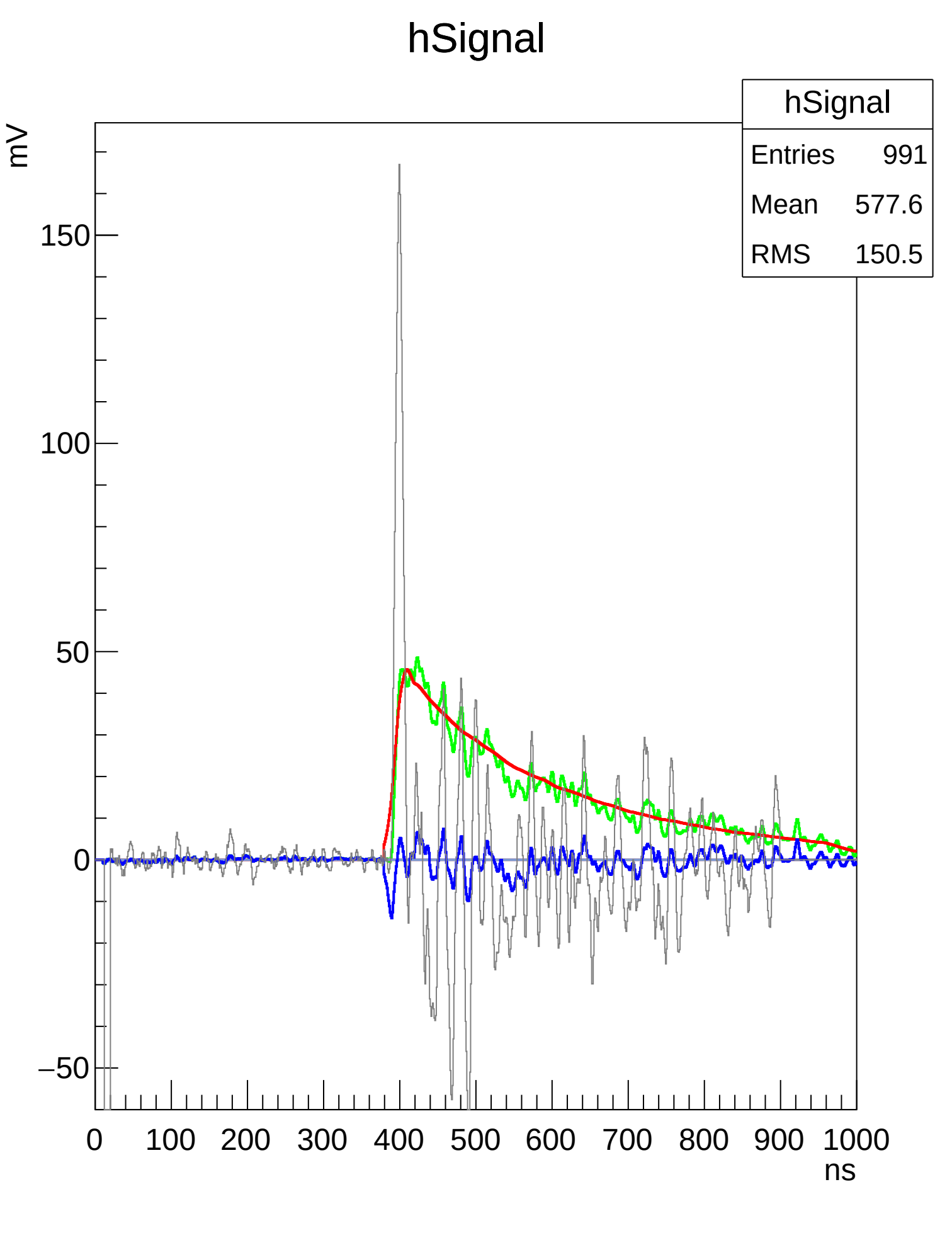
1000
ns


hSignal
hSignal
Entries 991
Mean 577.6
RMS 150.5
mV
150
100
50
0
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0
100
200
300
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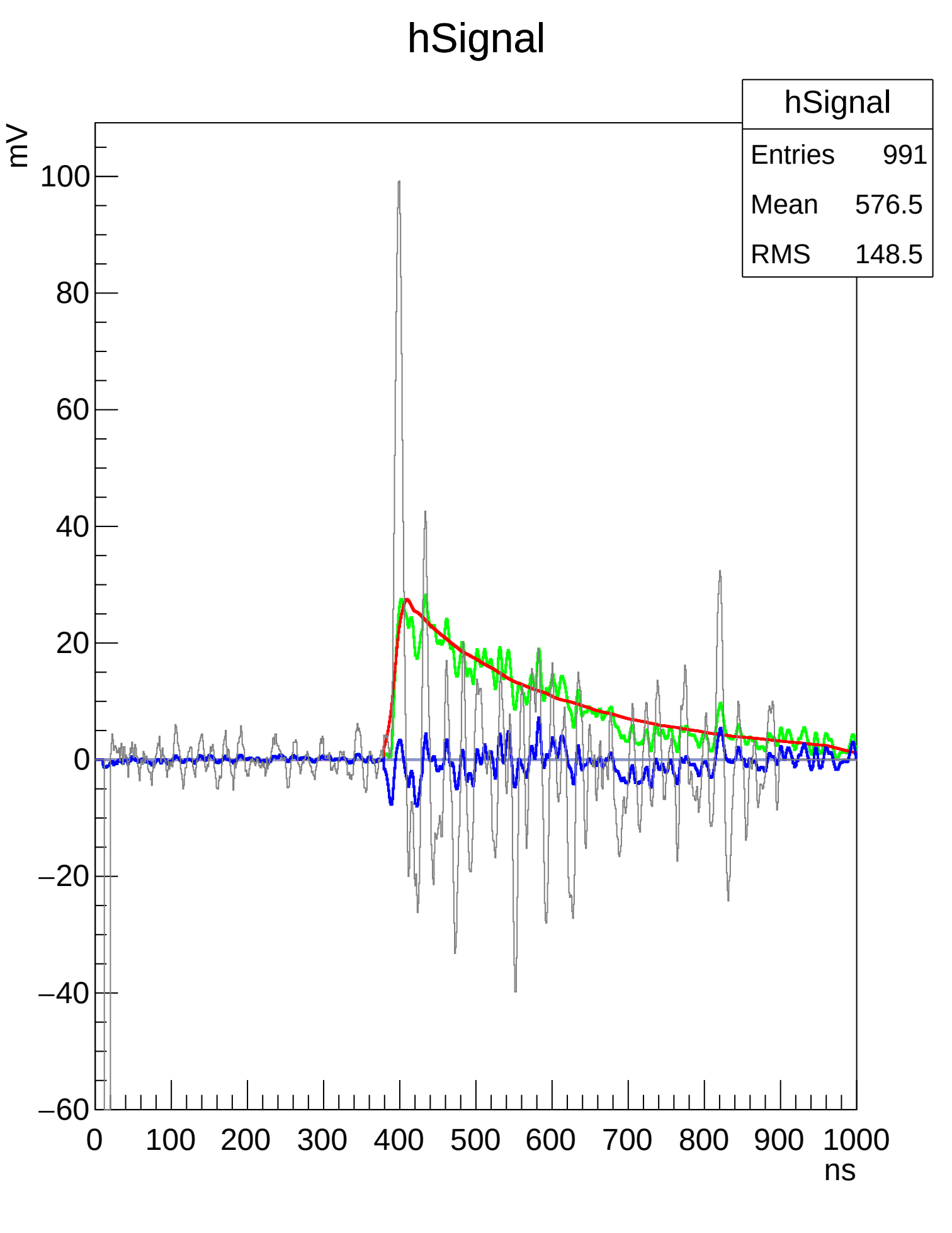
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576.5
RMS 148.5
mV
100
80
60
40
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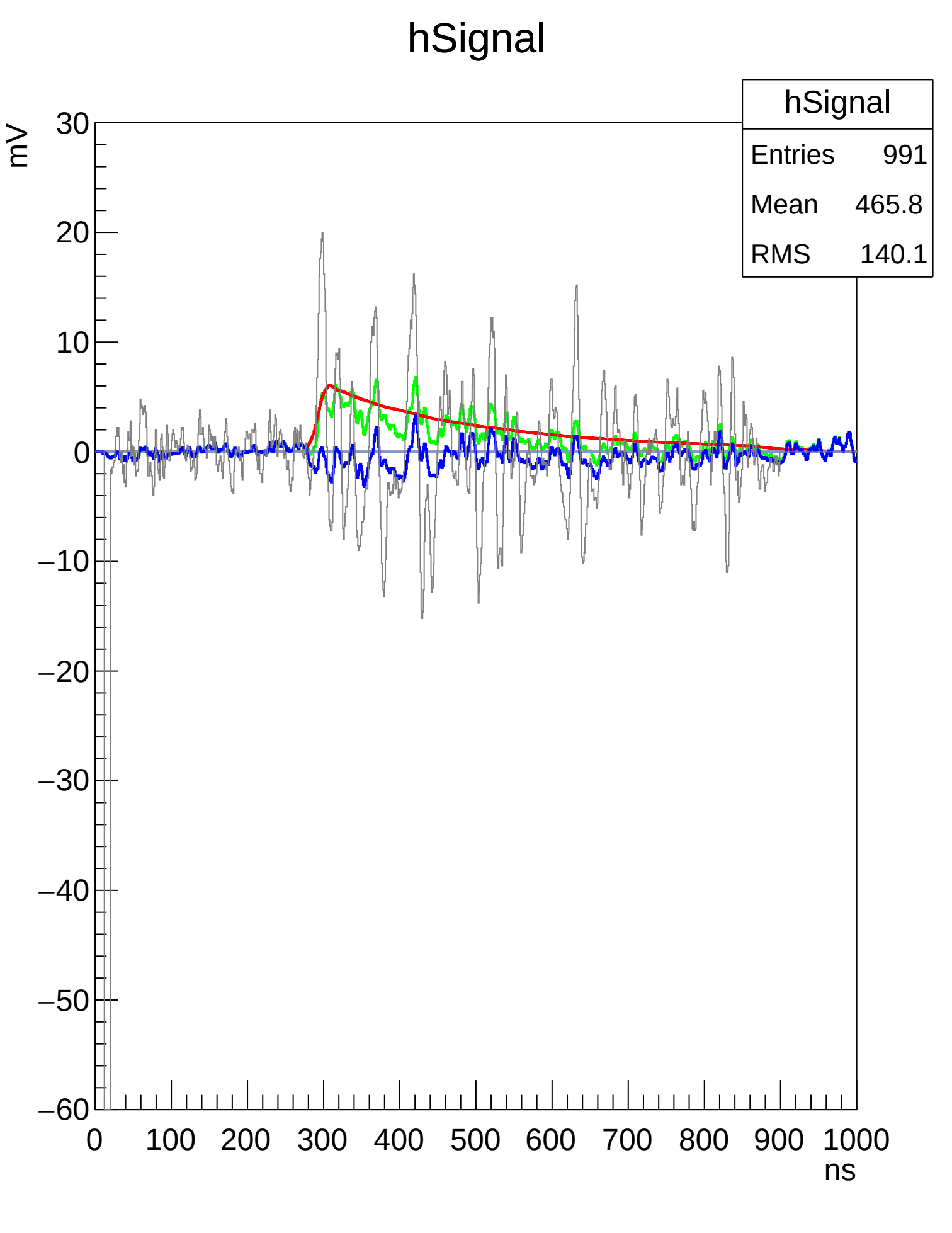
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 465.8
RMS 140.1
mV
30
20
10
0
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−20
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−50
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0
100
200
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400
500
600
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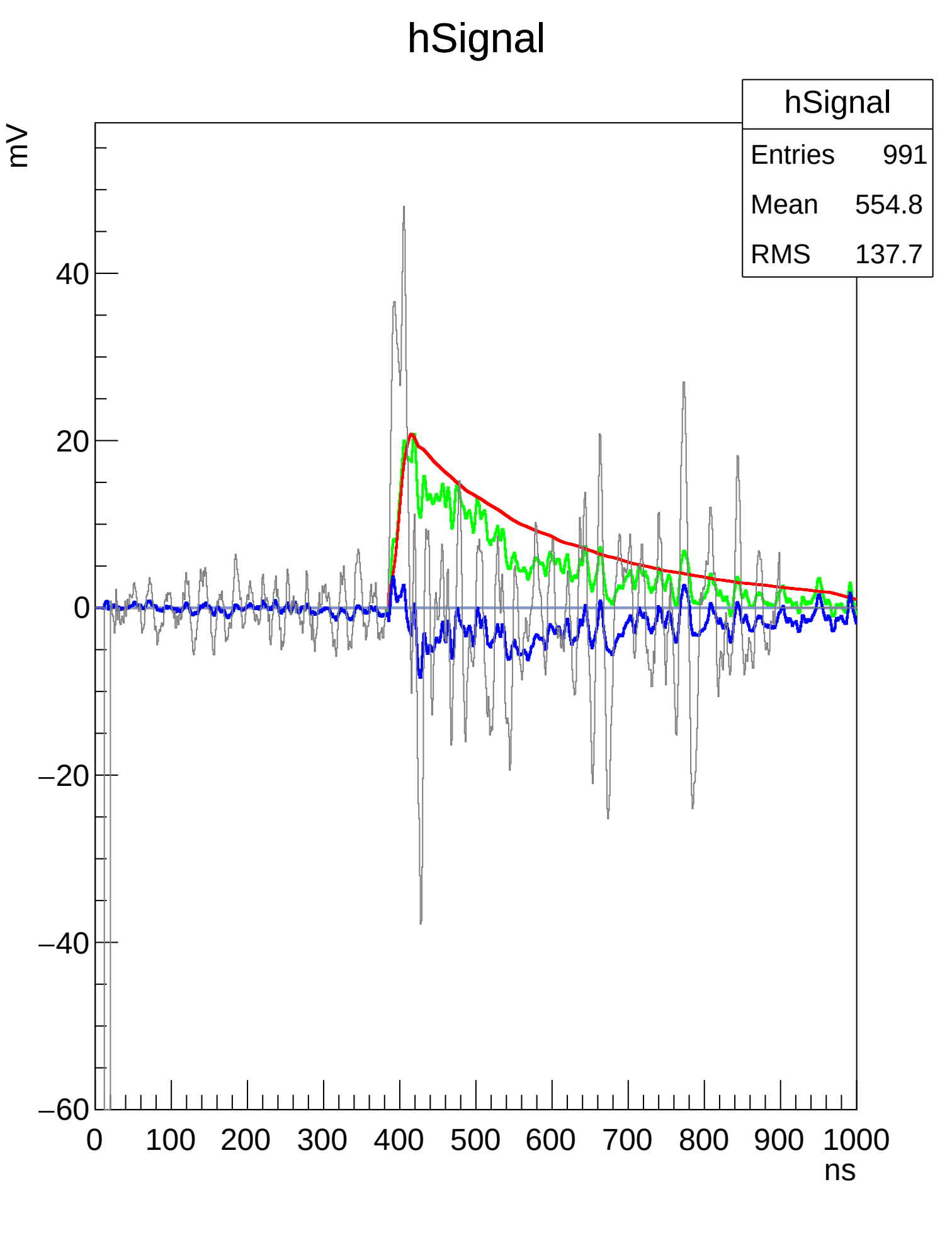
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.8
RMS 137.7
mV
40
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0
−20
−40
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0
100
200
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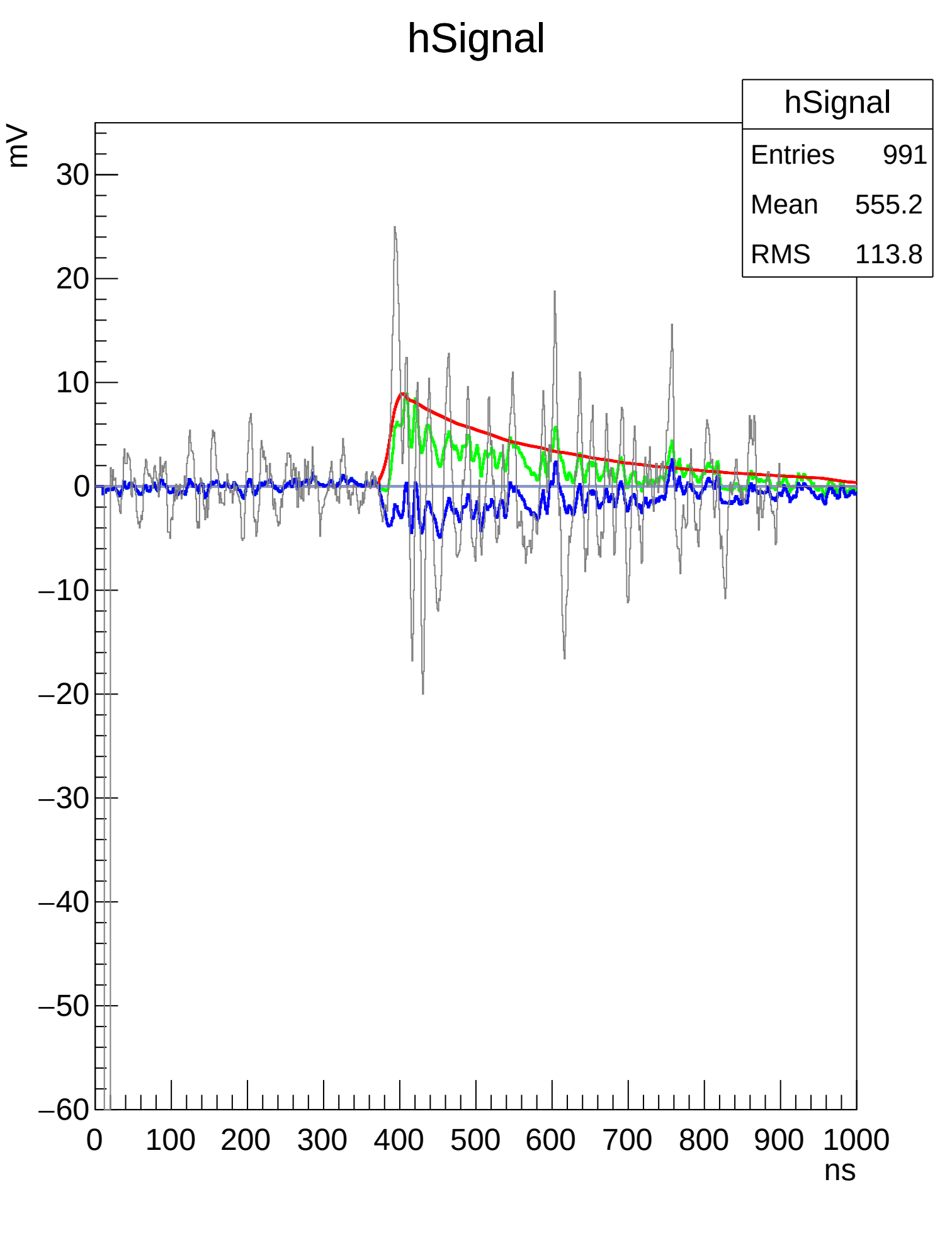
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.2
RMS 113.8
mV
30
20
10
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−50
−60
0
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200
300
400
500
600
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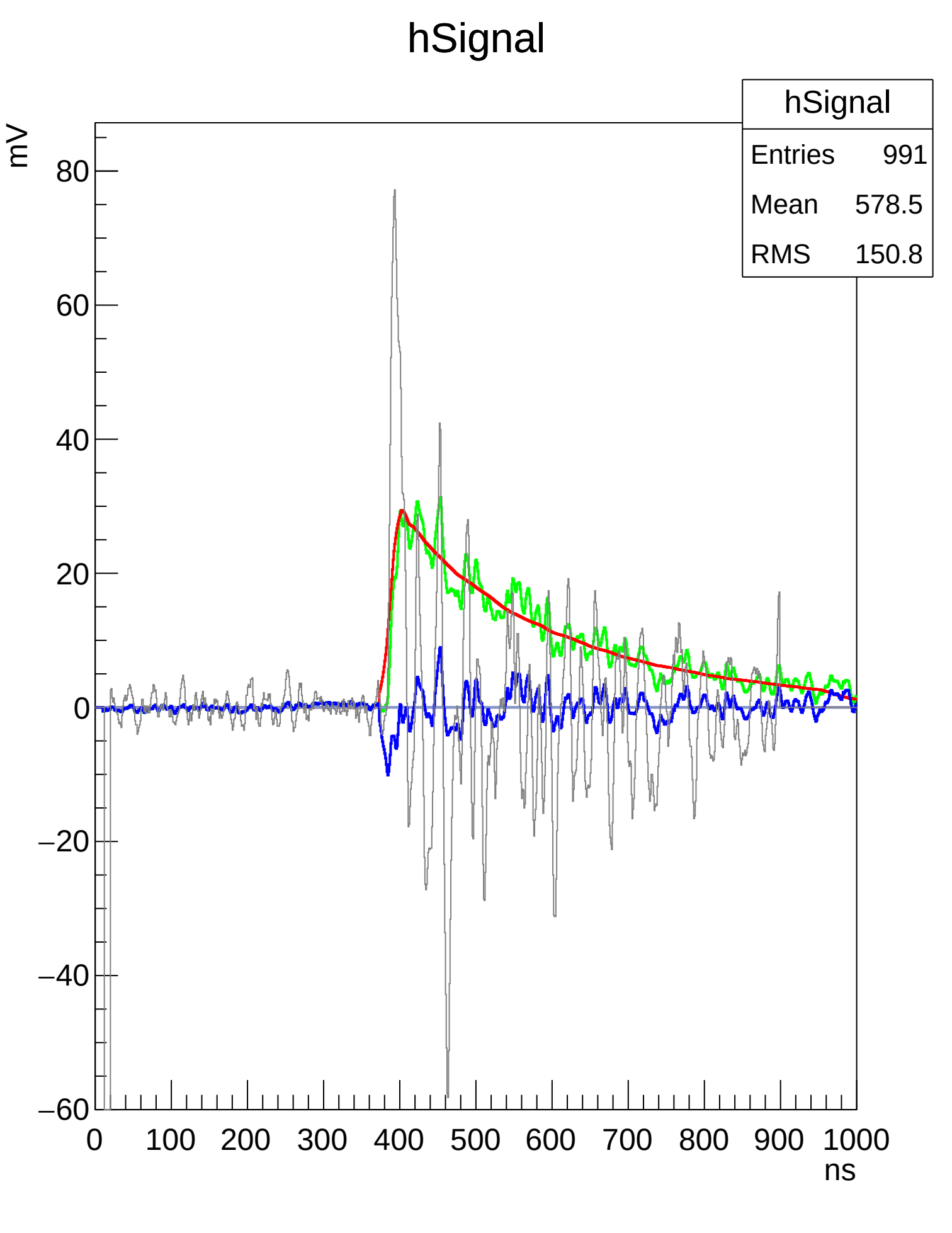
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.5
RMS 150.8
mV
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600
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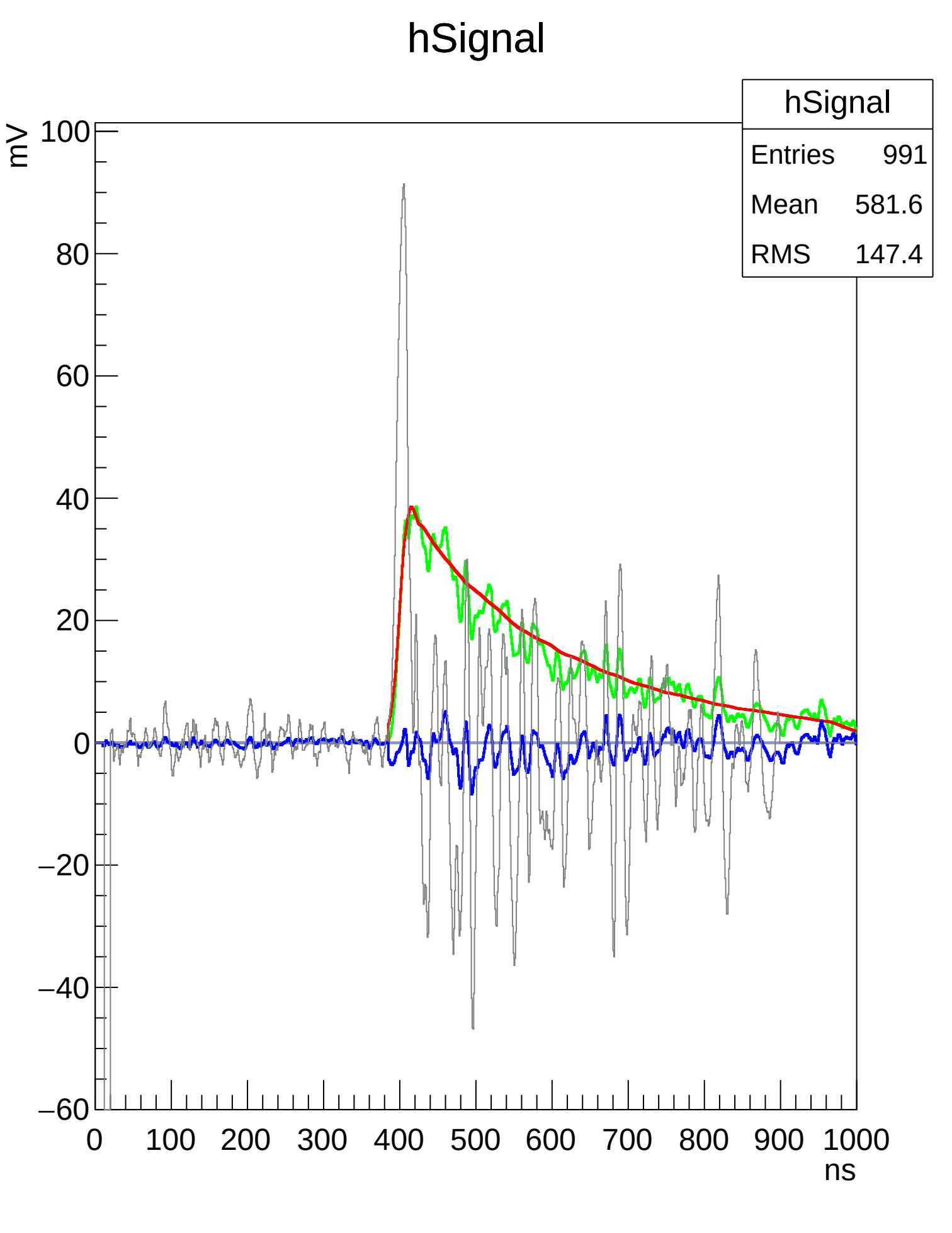
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.6
RMS 147.4
mV
100
80
60
40
20
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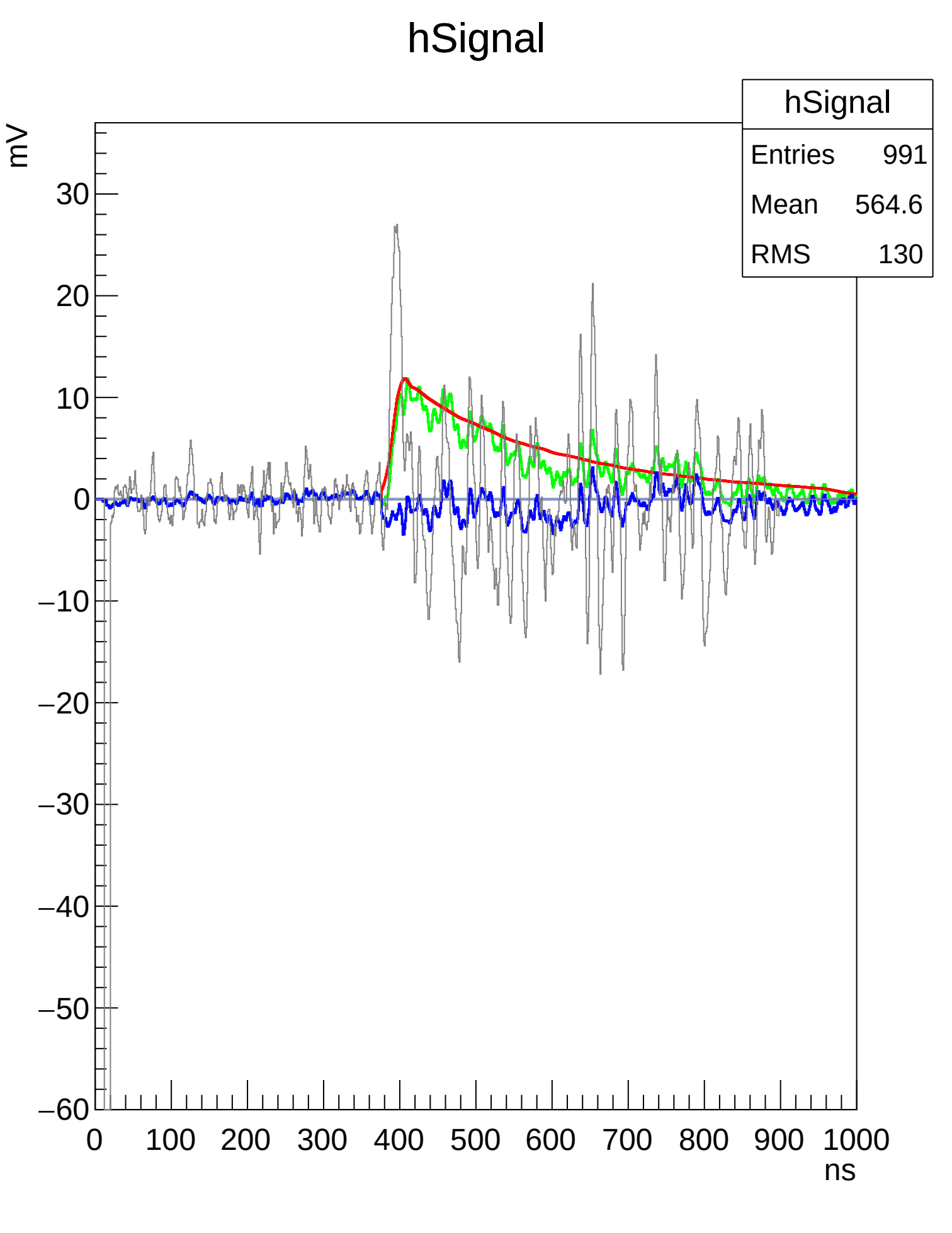
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.6
RMS 130
mV
30
20
10
0
−10
−20
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−40
−50
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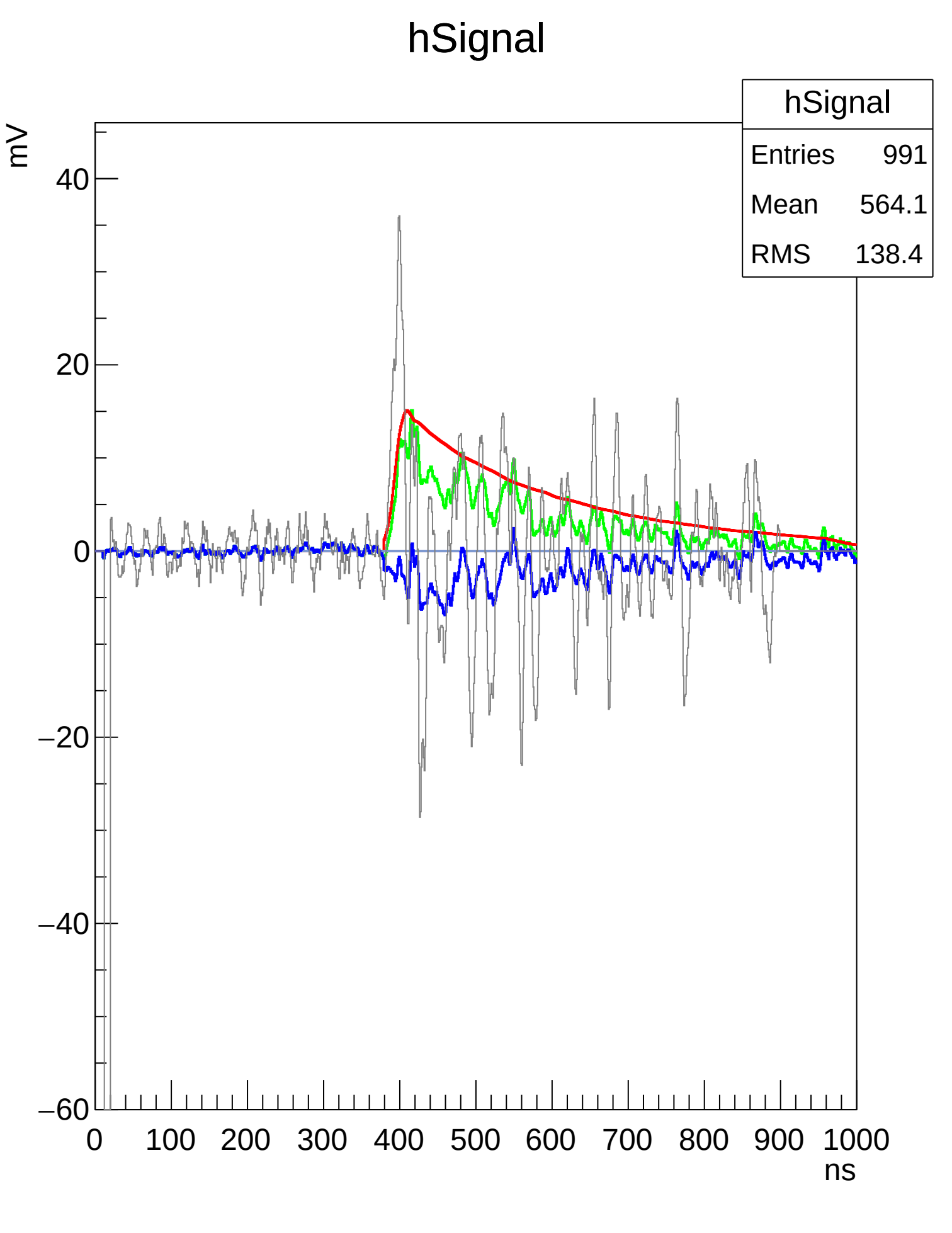
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.1
RMS 138.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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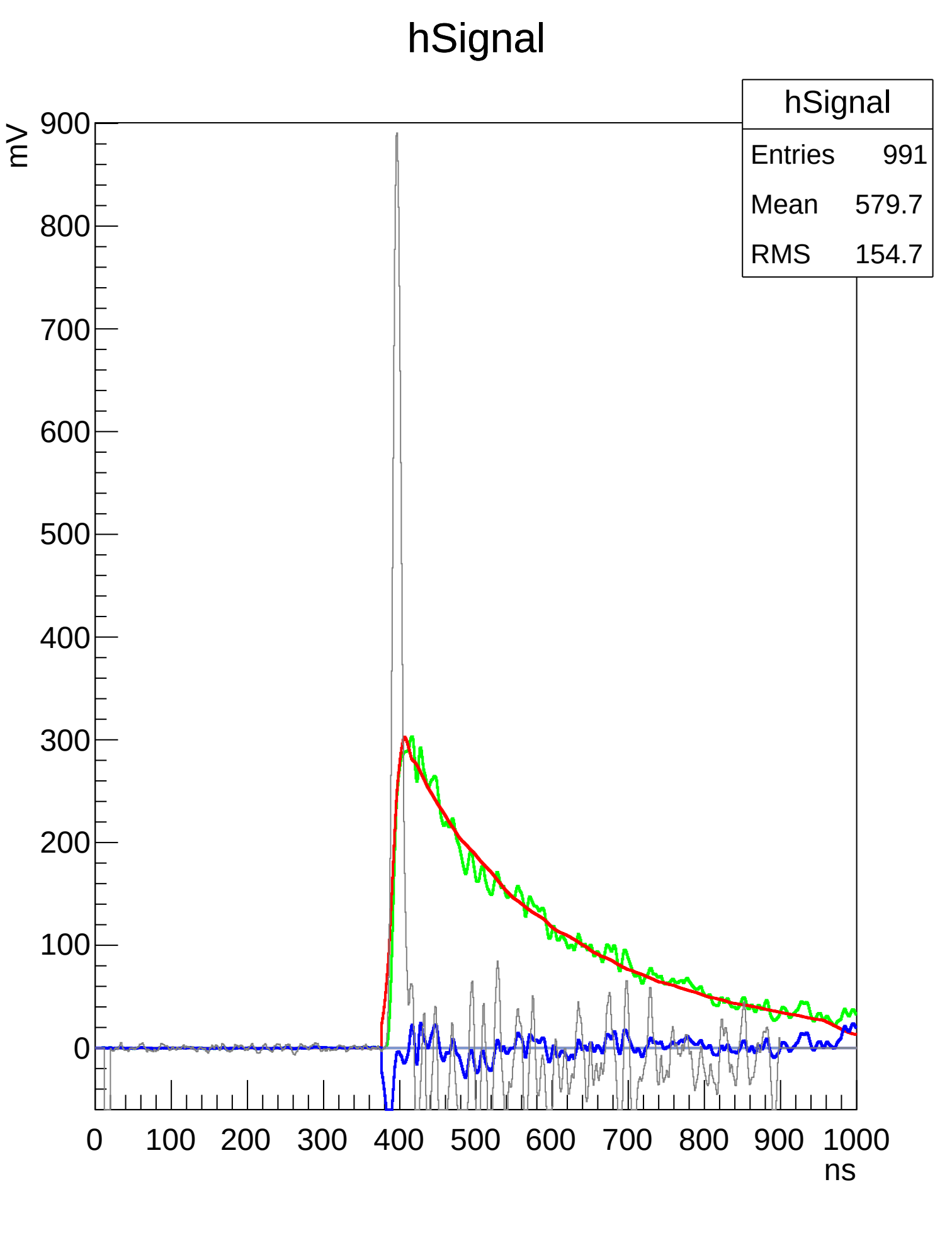
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.7
RMS 154.7
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
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400
500
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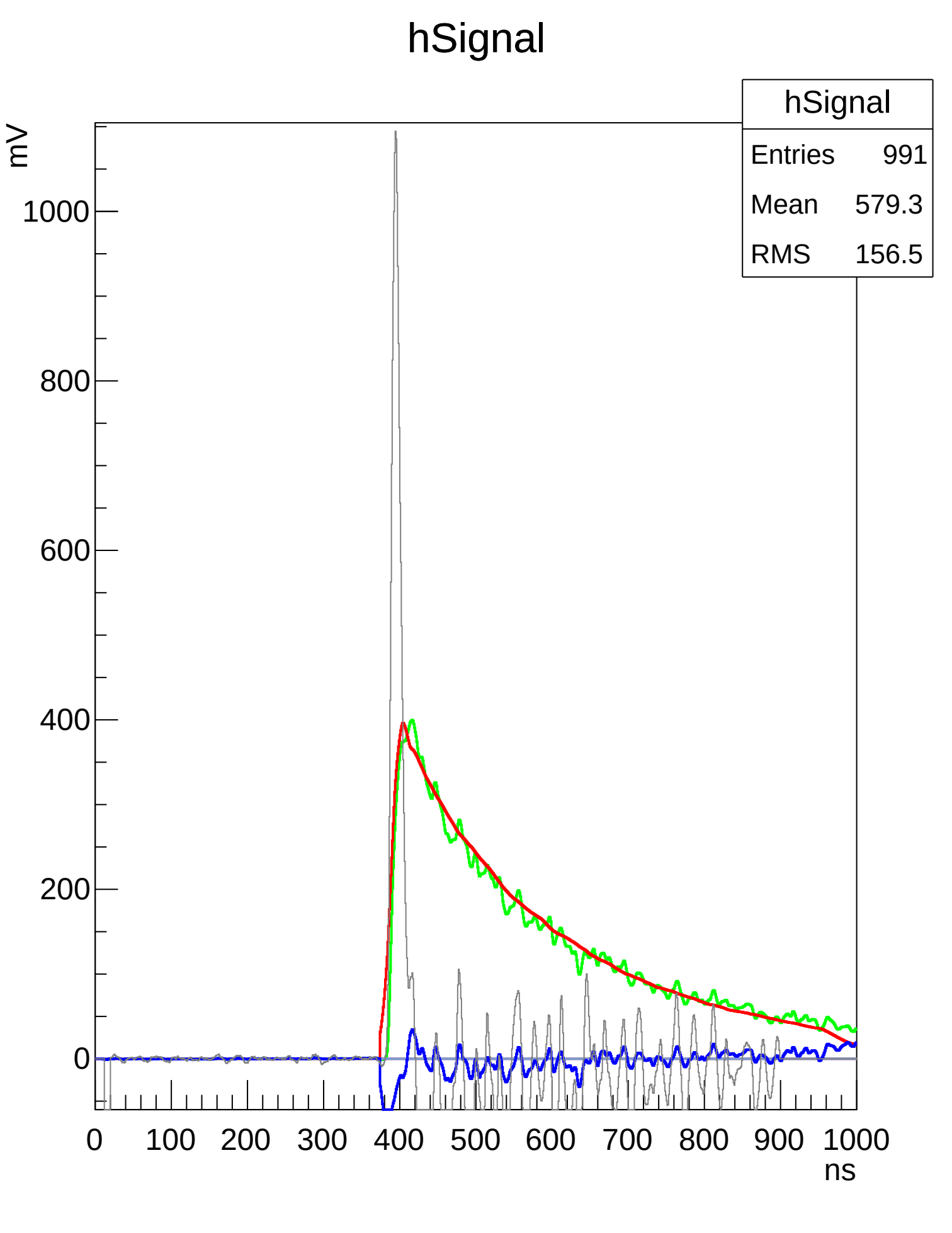
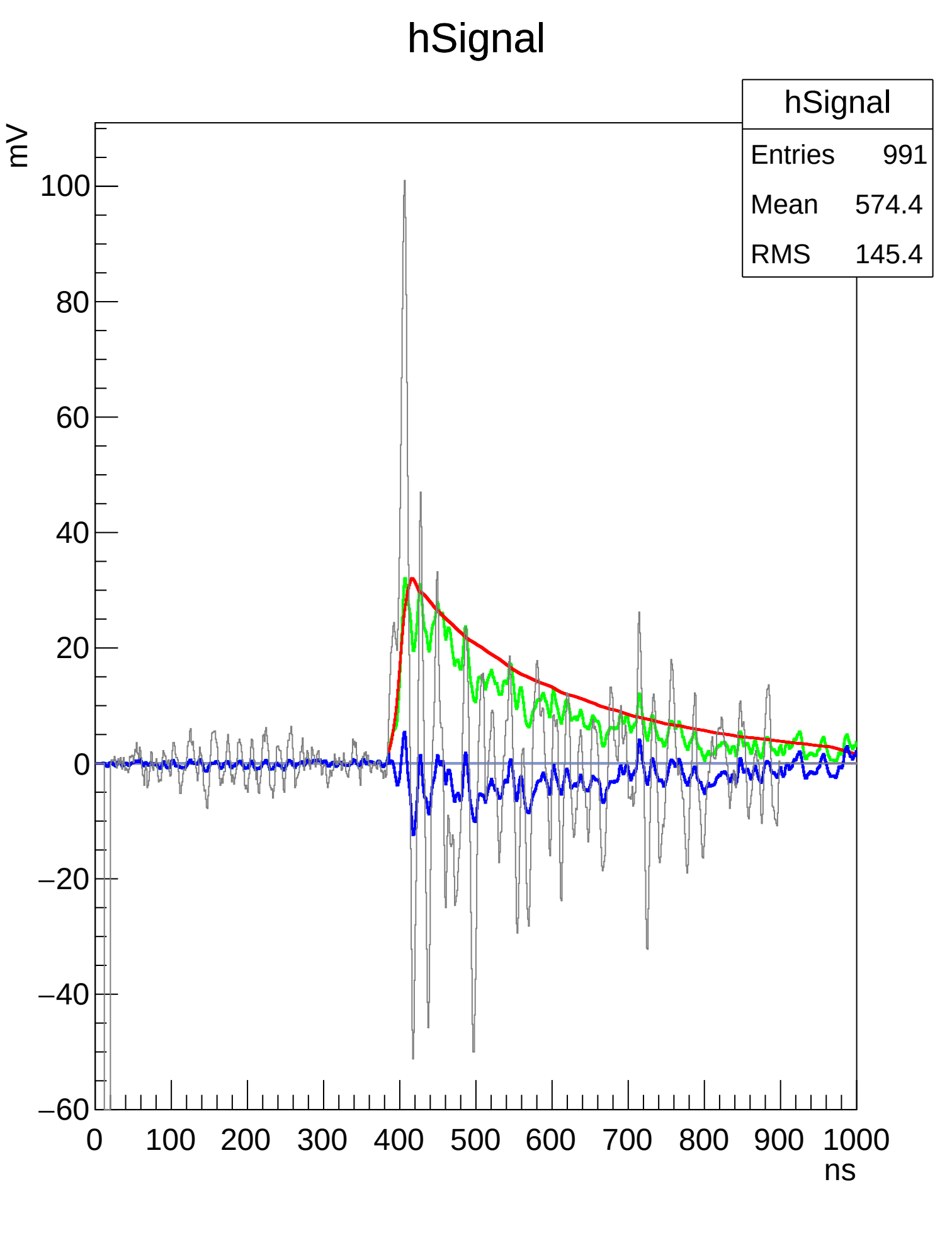
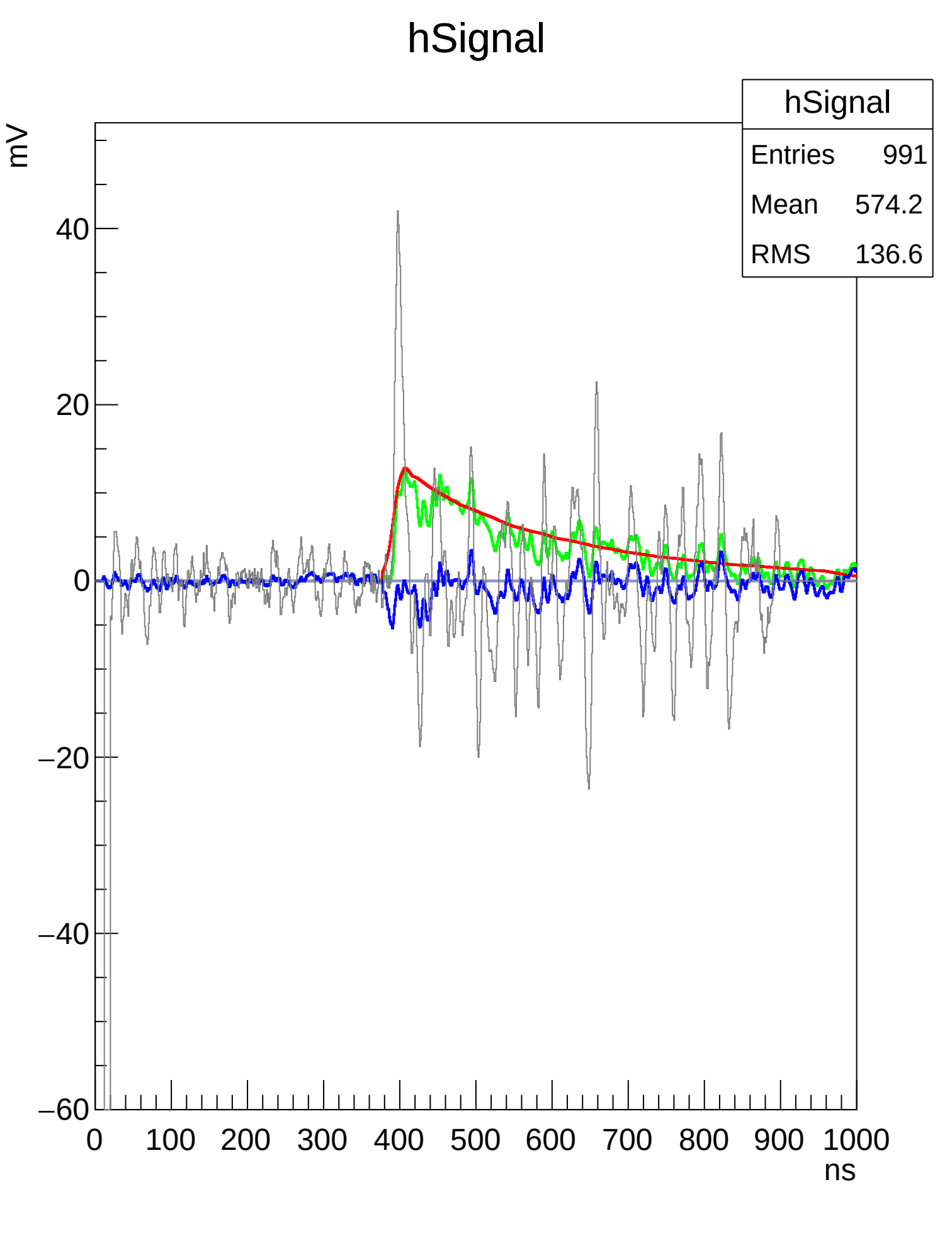
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.3
RMS 156.5
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.4
RMS 145.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.2
RMS 136.6
mV
40
20
0
−20
−40
−60
0
100
200
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400
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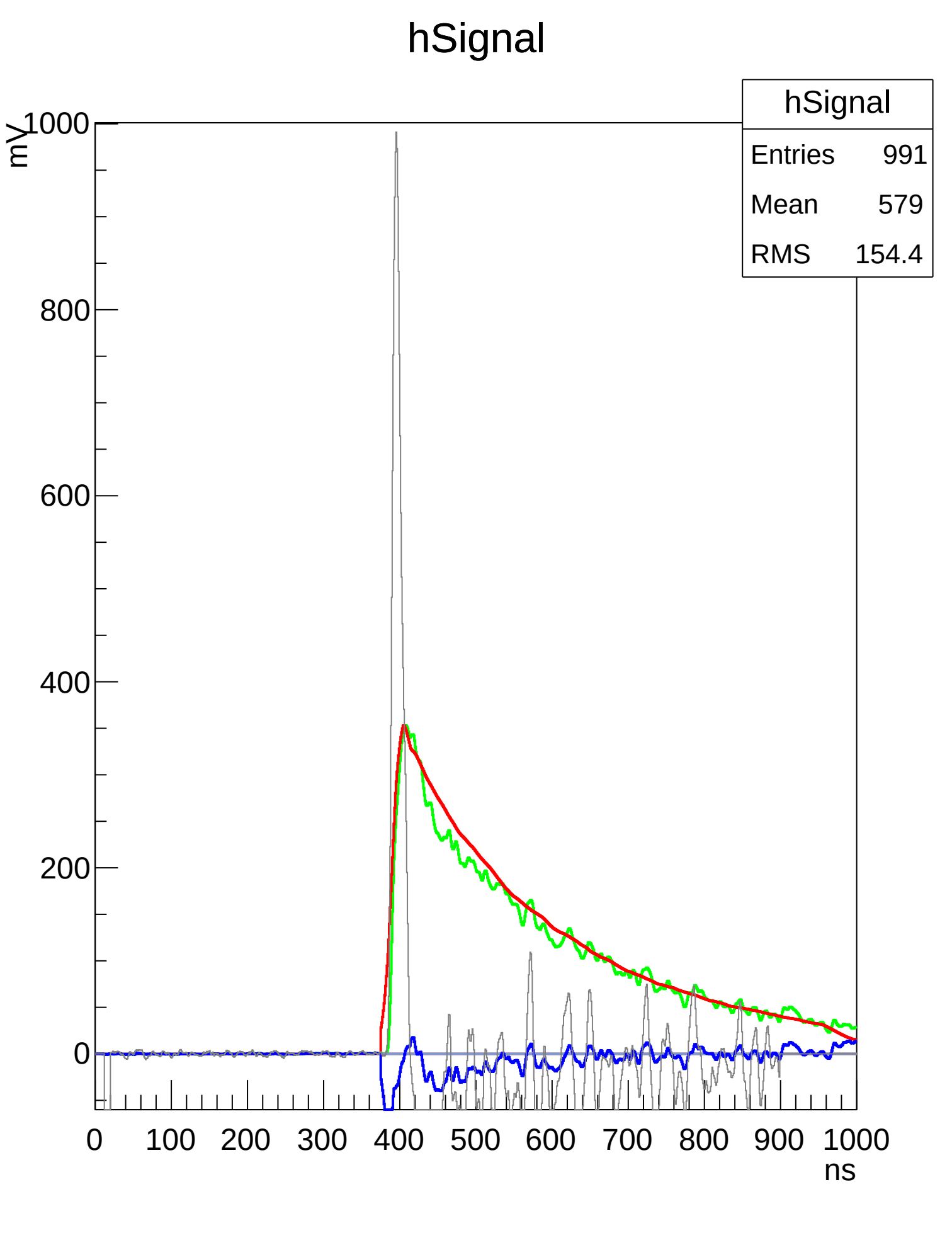
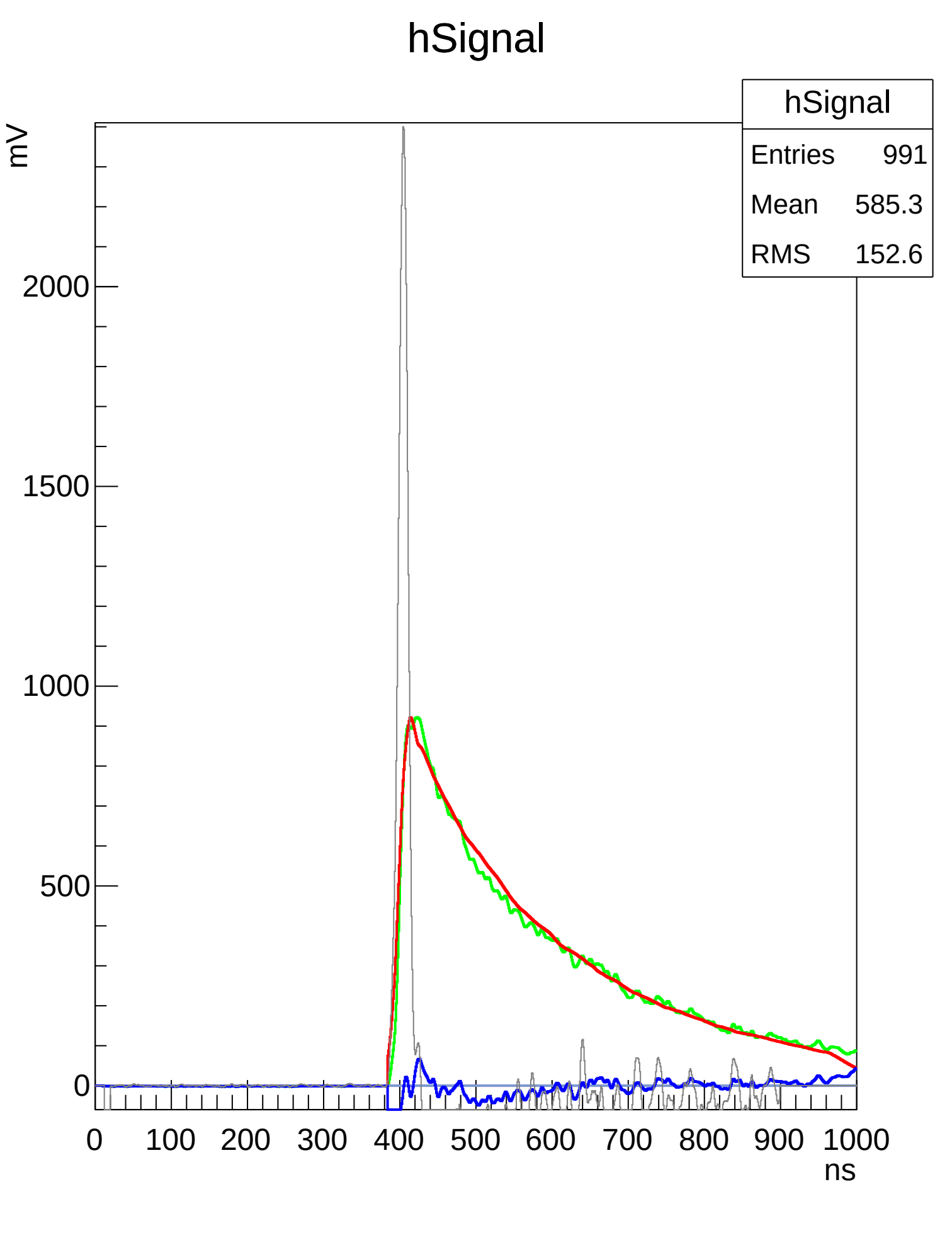
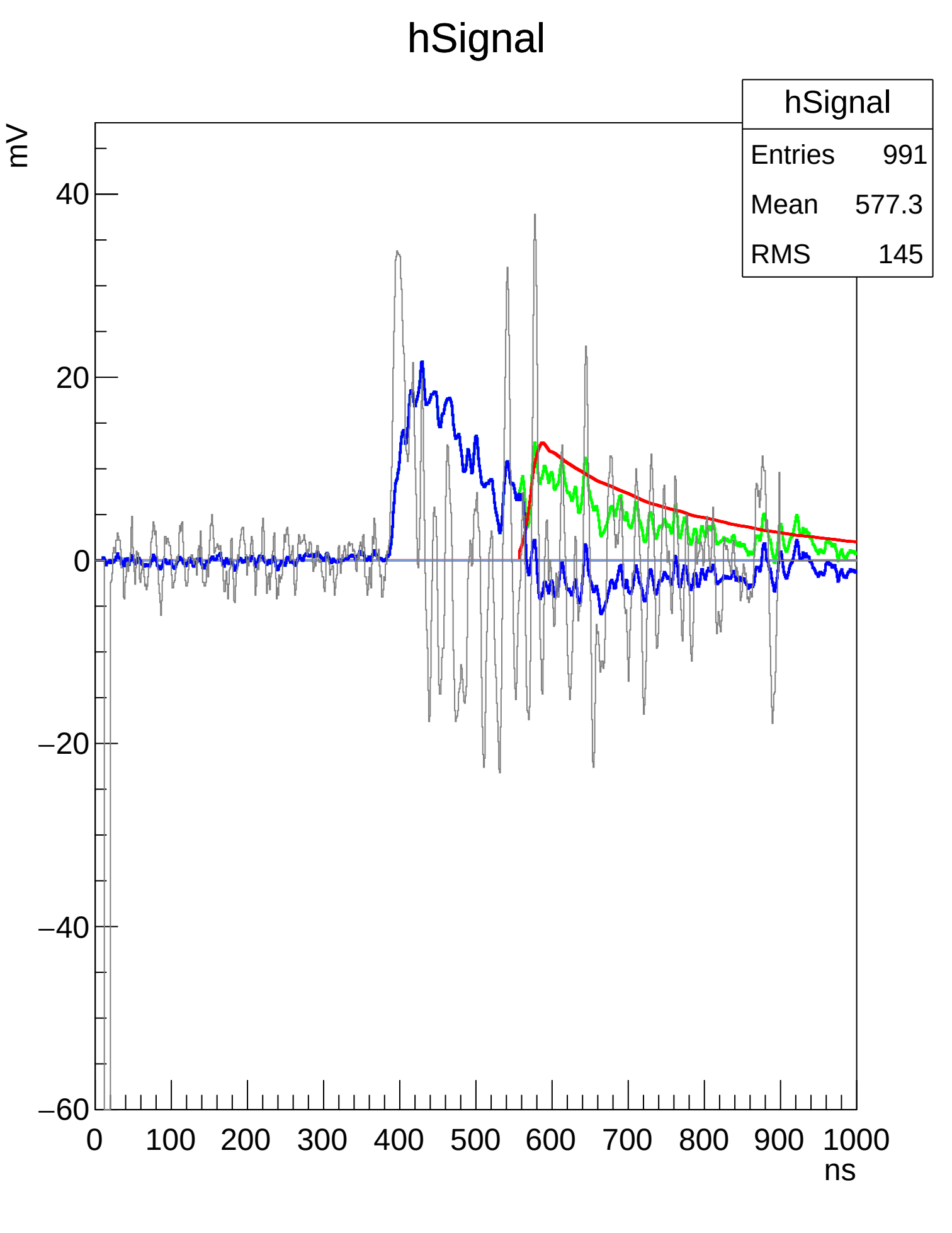
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579
RMS 154.4
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 152.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 577.3
RMS 145
mV
40
20
0
−20
−40
−60
0
100
200
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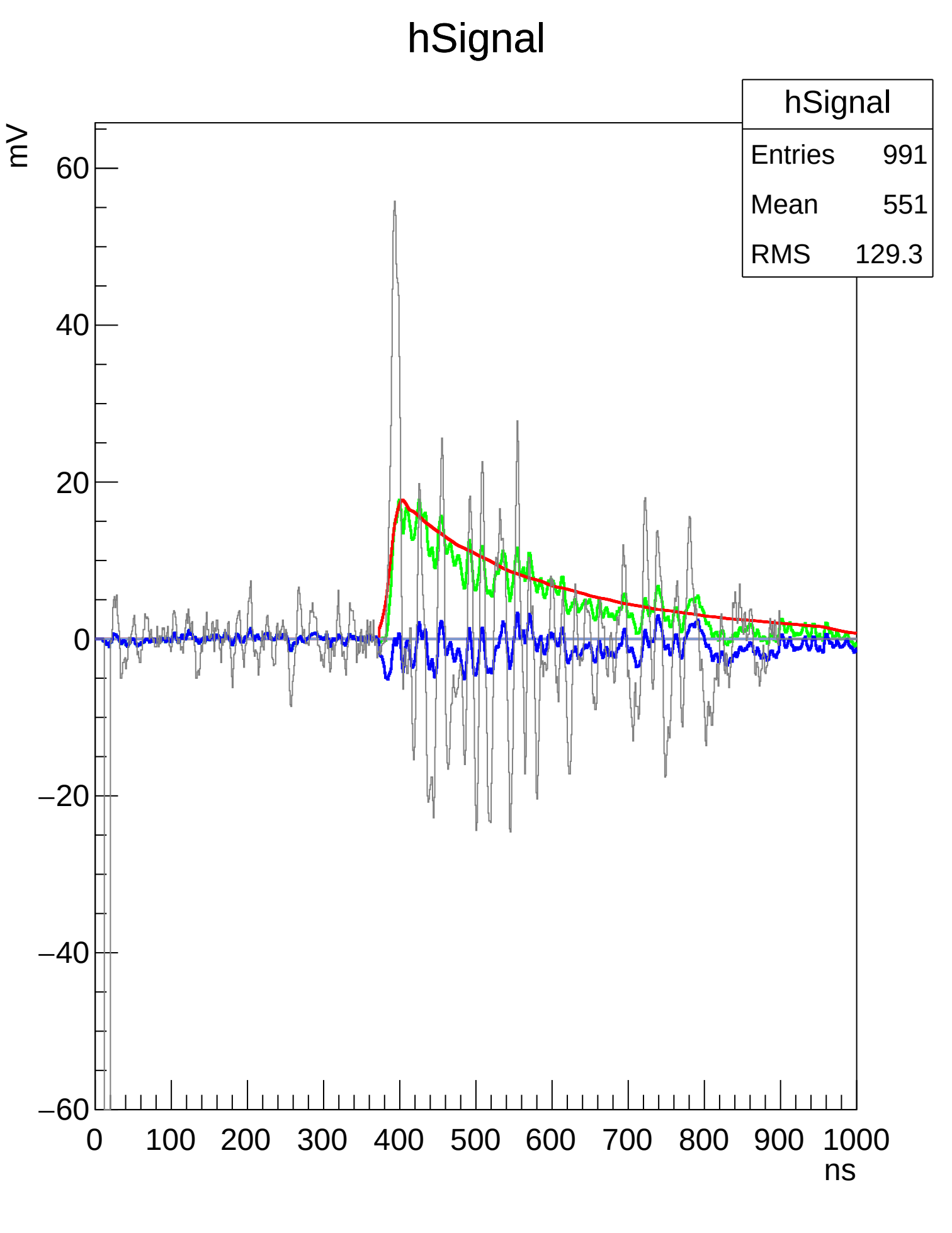
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551
RMS 129.3
mV
60
40
20
0
−20
−40
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0
100
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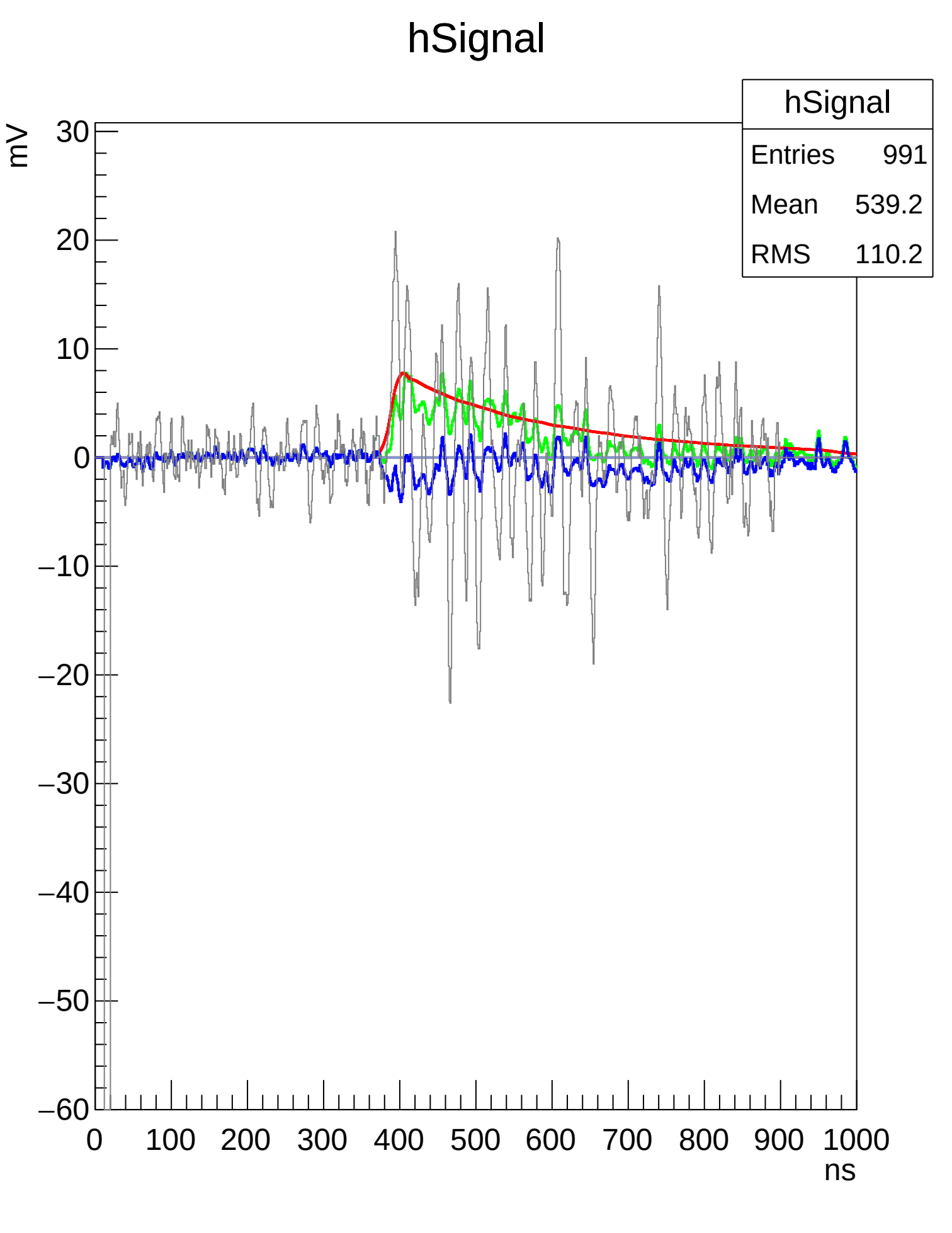
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.2
RMS 110.2
mV
30
20
10
0
−10
−20
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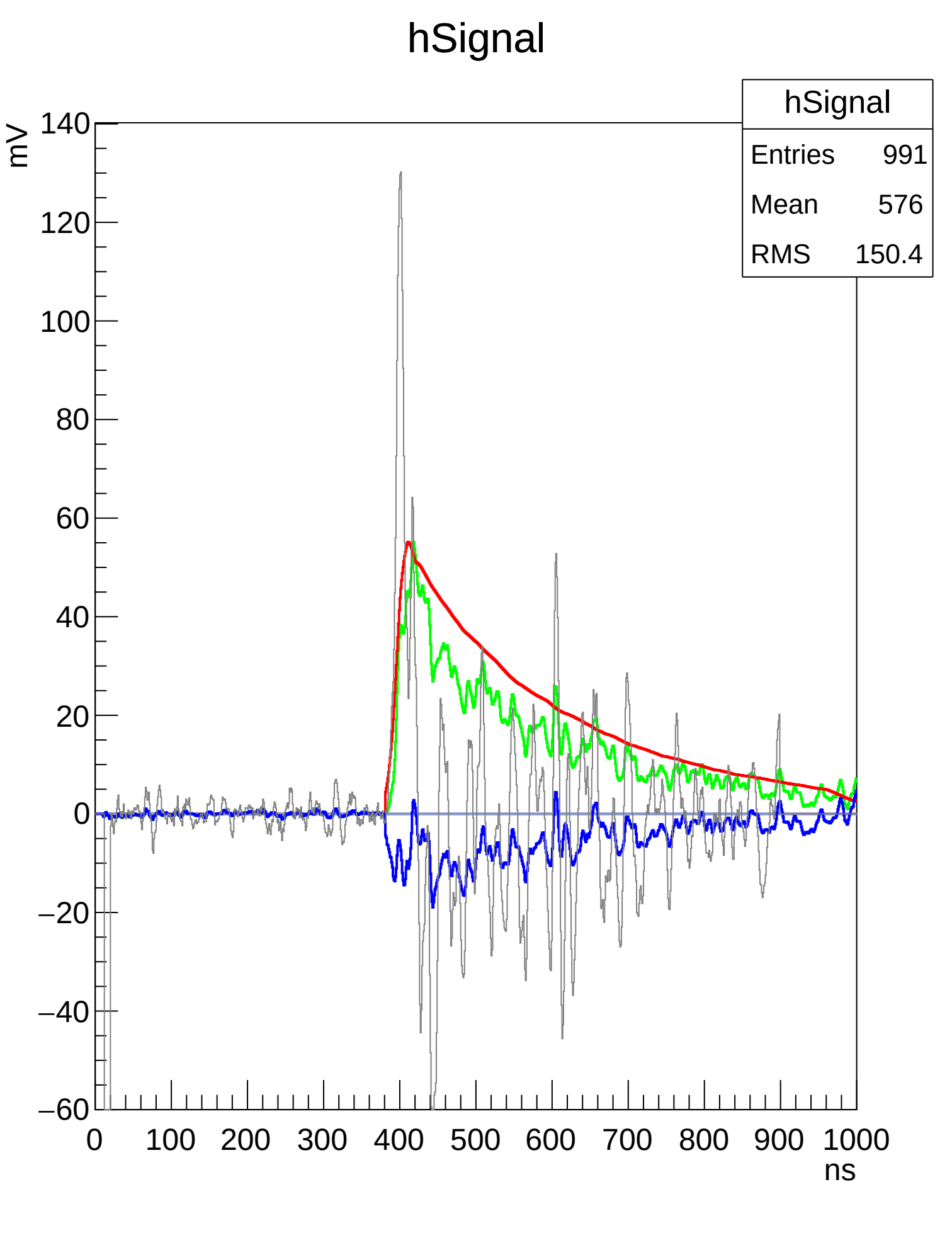
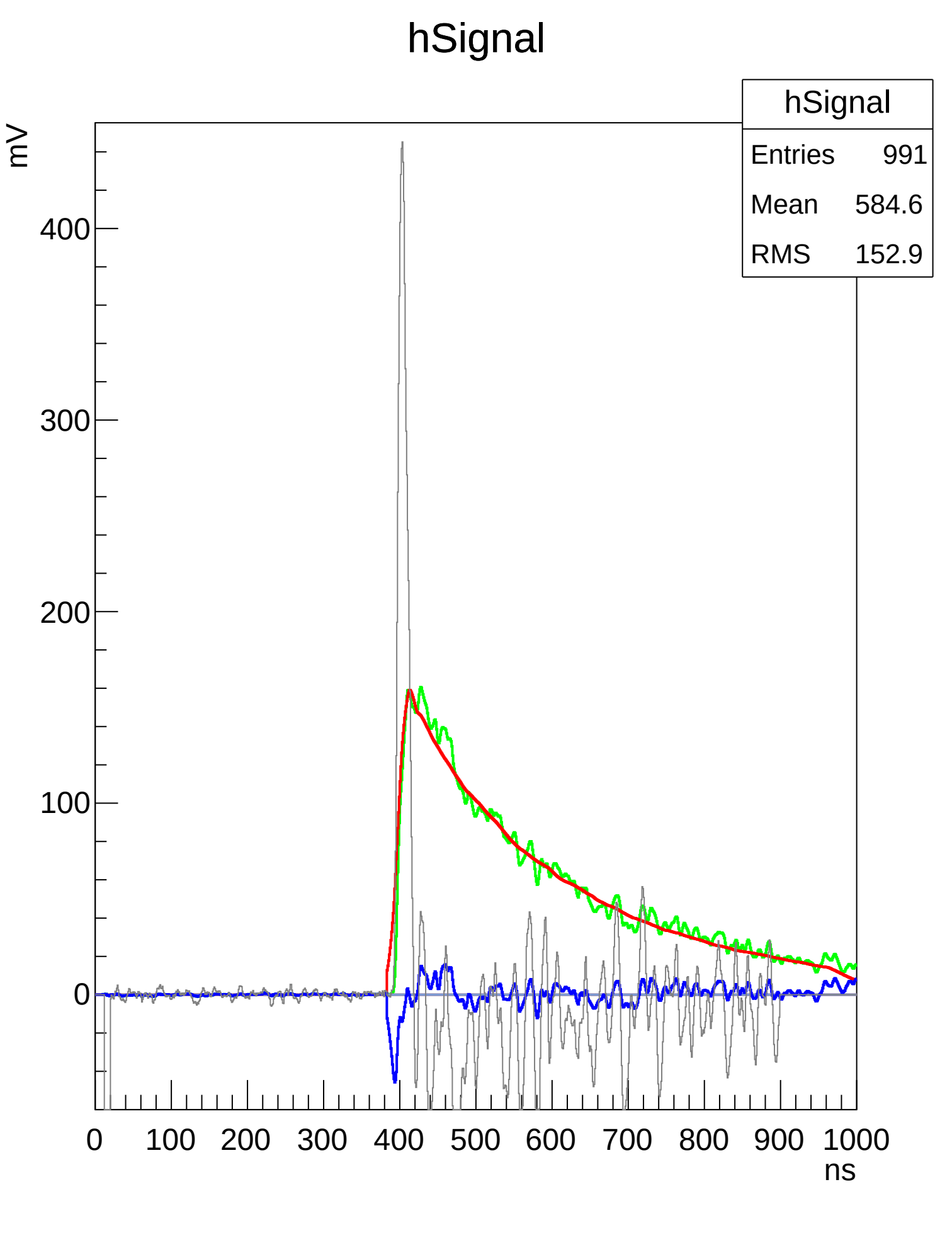
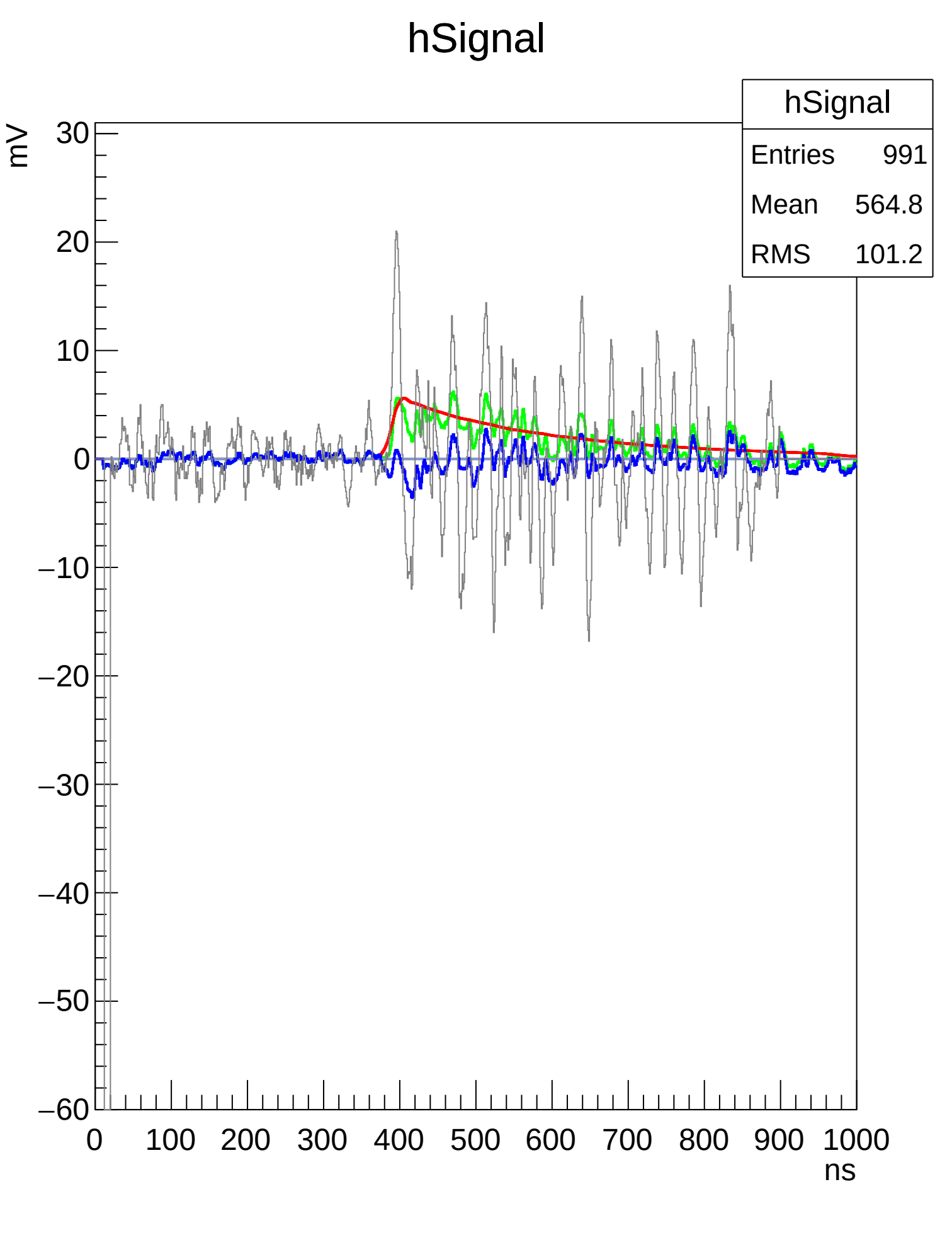
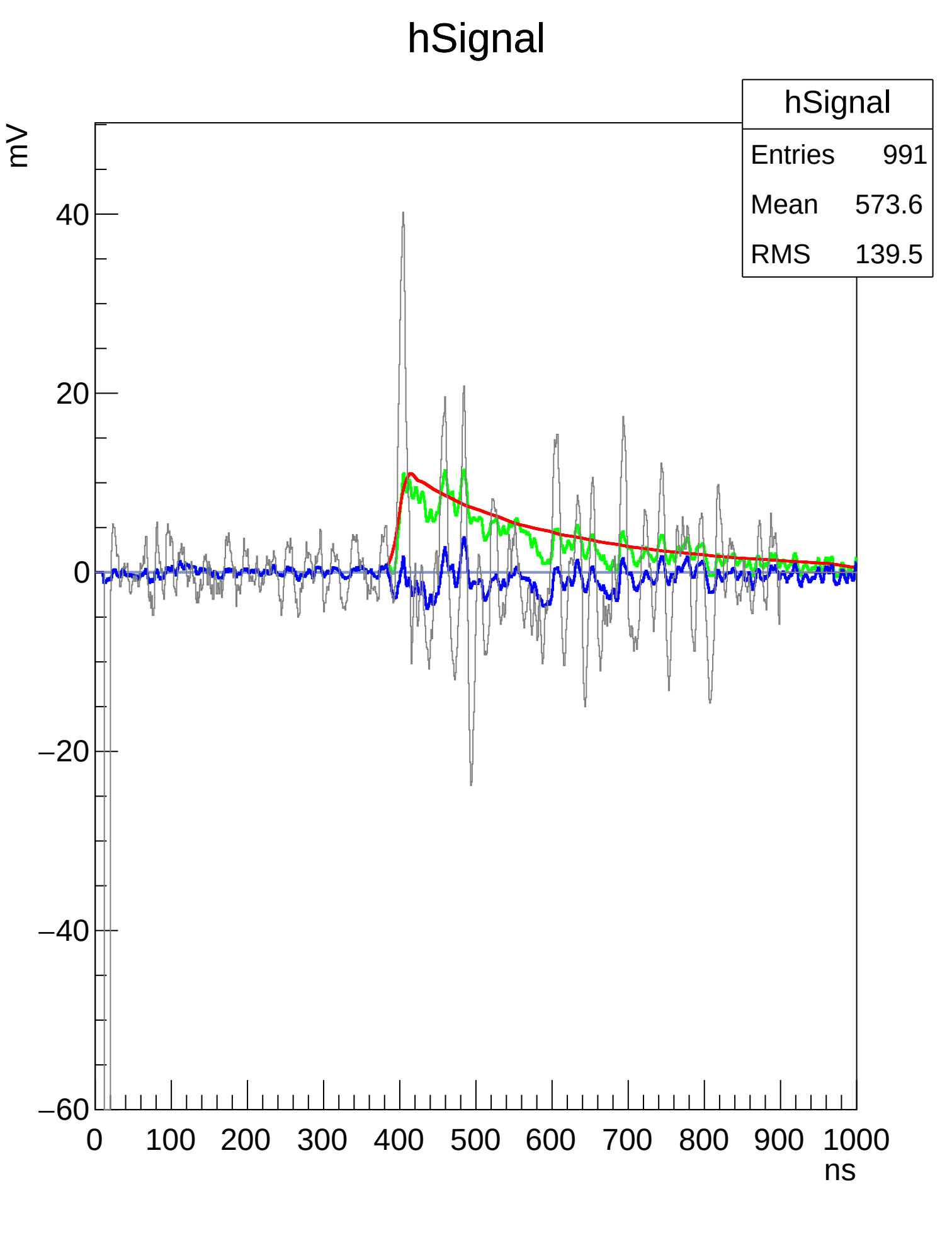
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 576
RMS 150.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.6
RMS 152.9
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 564.8
RMS 101.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573.6
RMS 139.5
mV
40
20
0
−20
−40
−60
0
100
200
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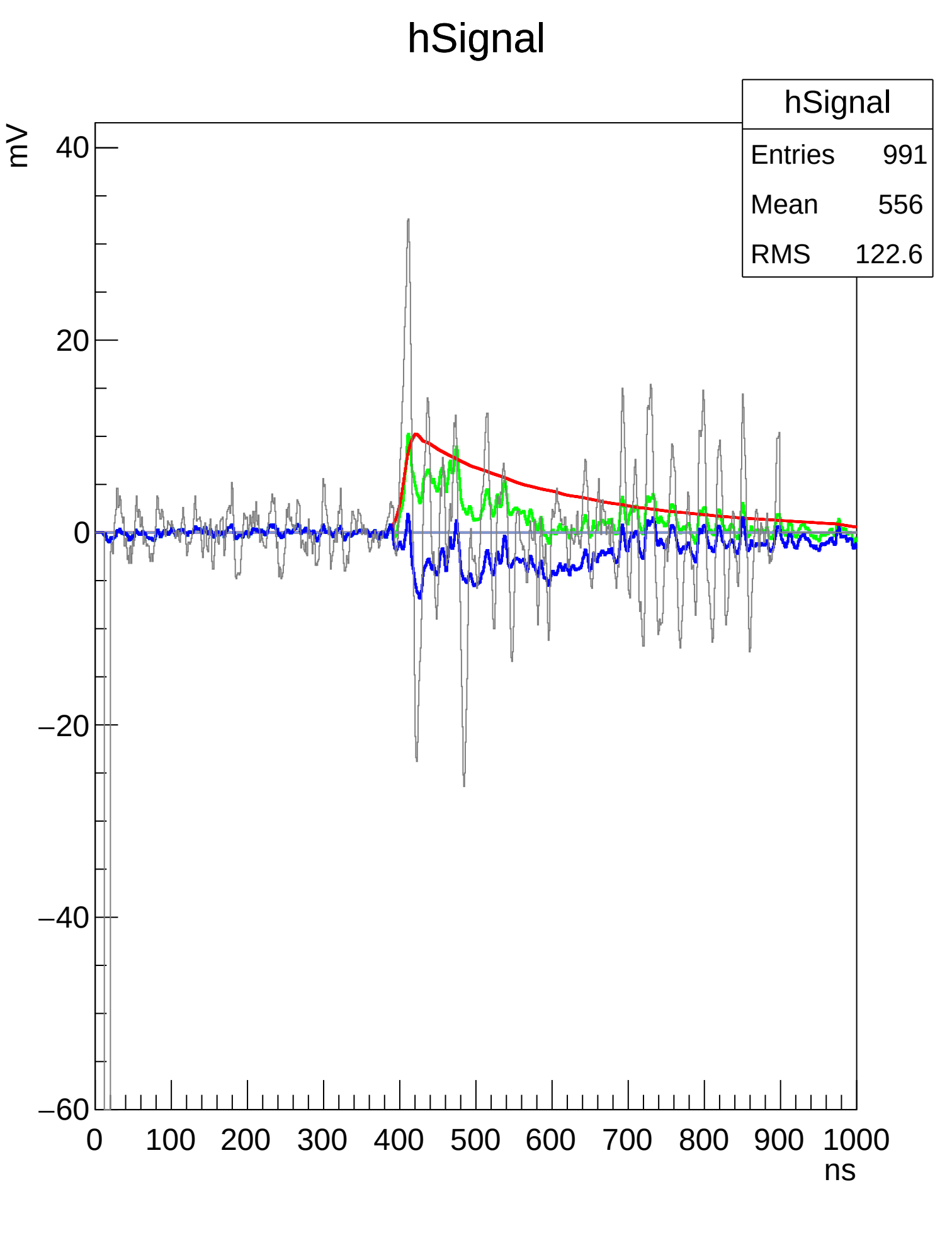
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556
RMS 122.6
mV
40
20
0
−20
−40
−60
0
100
200
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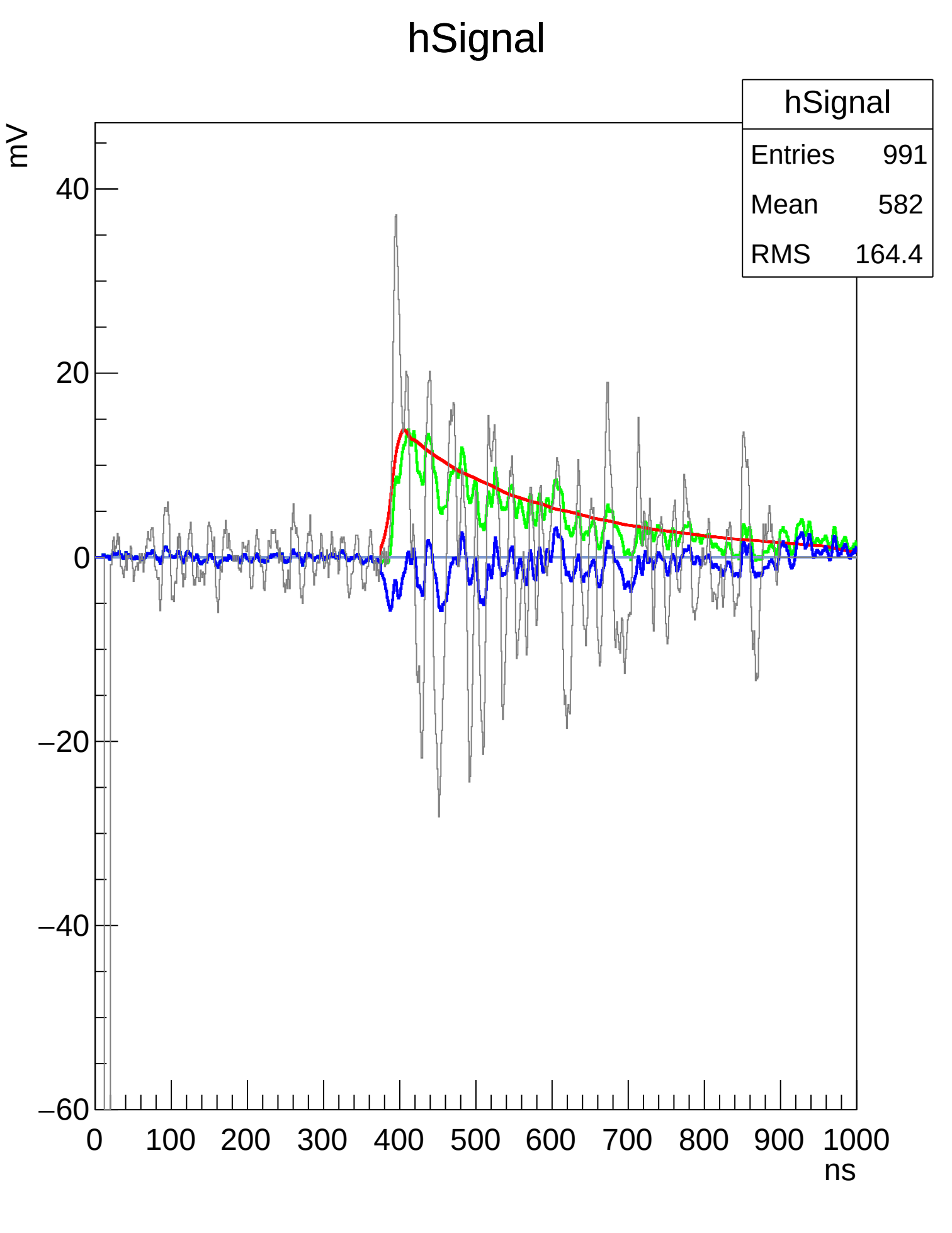
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582
RMS 164.4
mV
40
20
0
−20
−40
−60
0
100
200
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400
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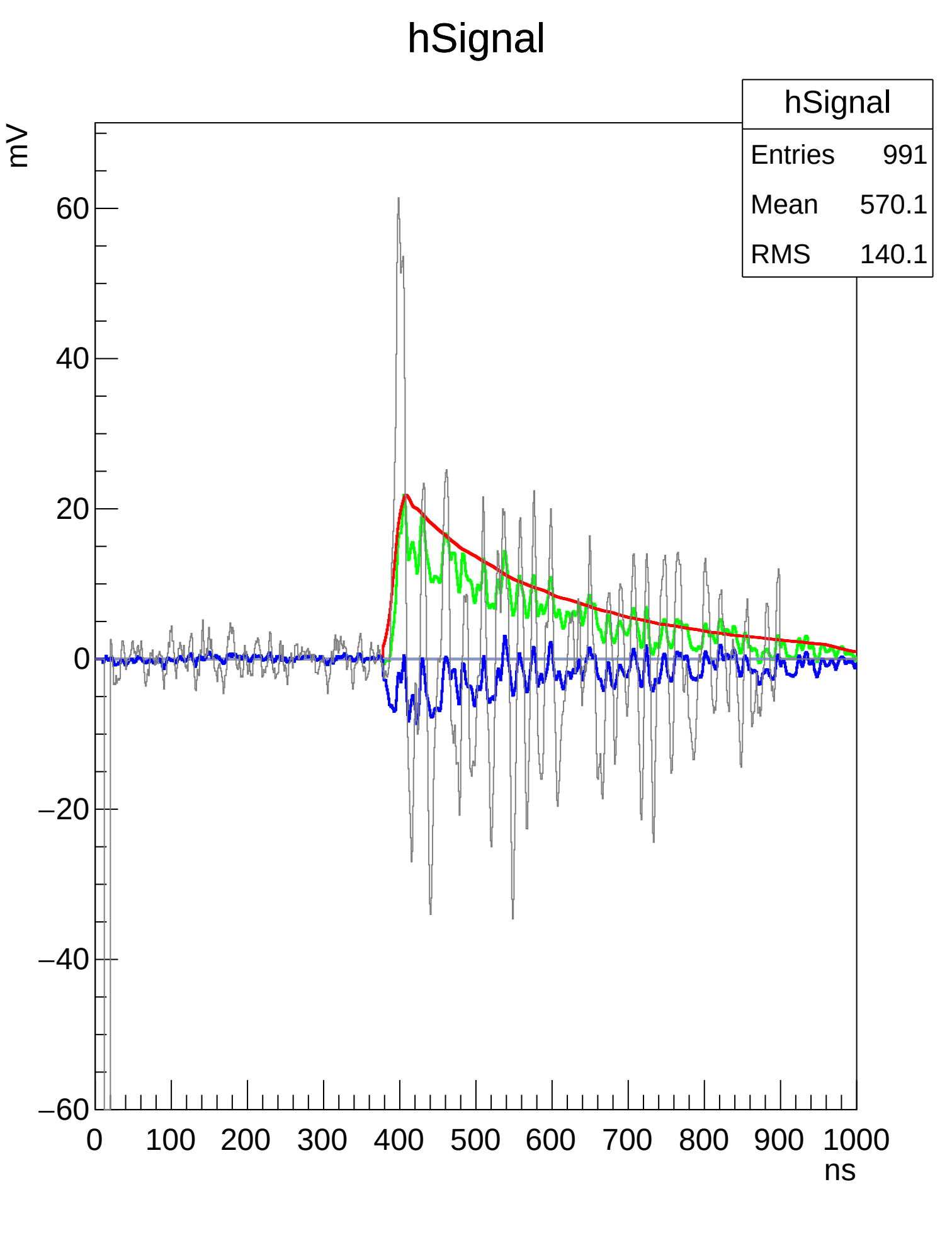
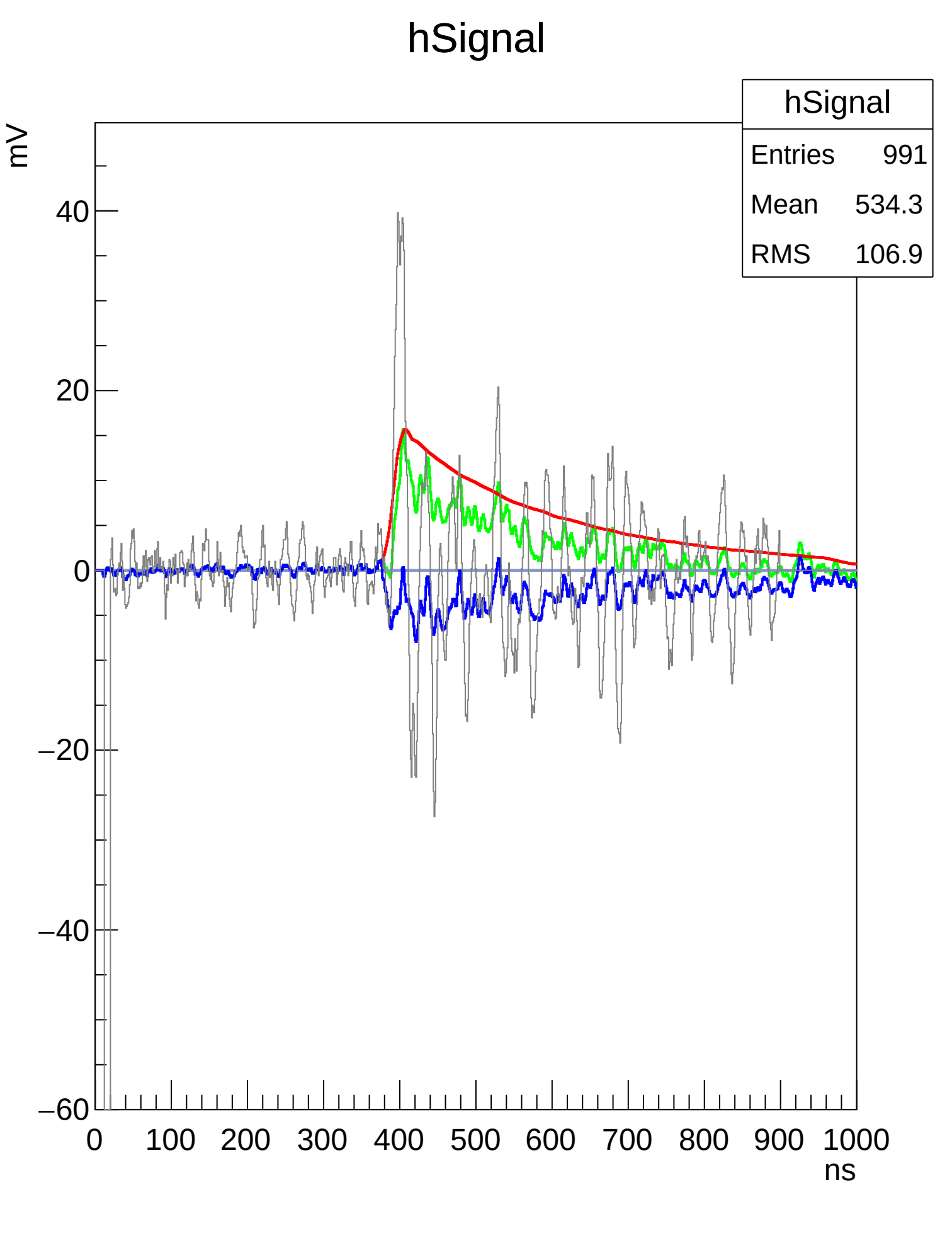
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.1
RMS 140.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.3
RMS 106.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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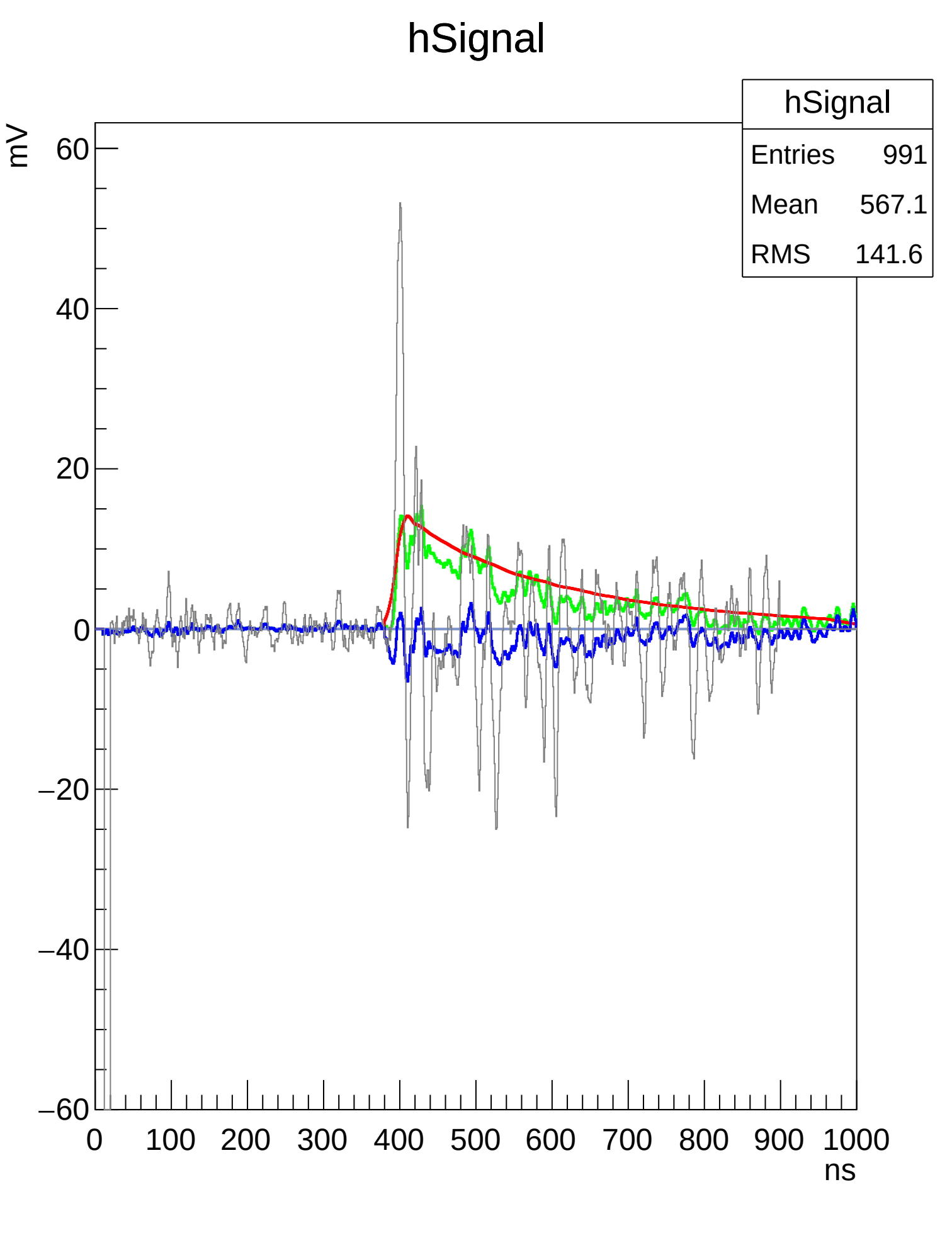
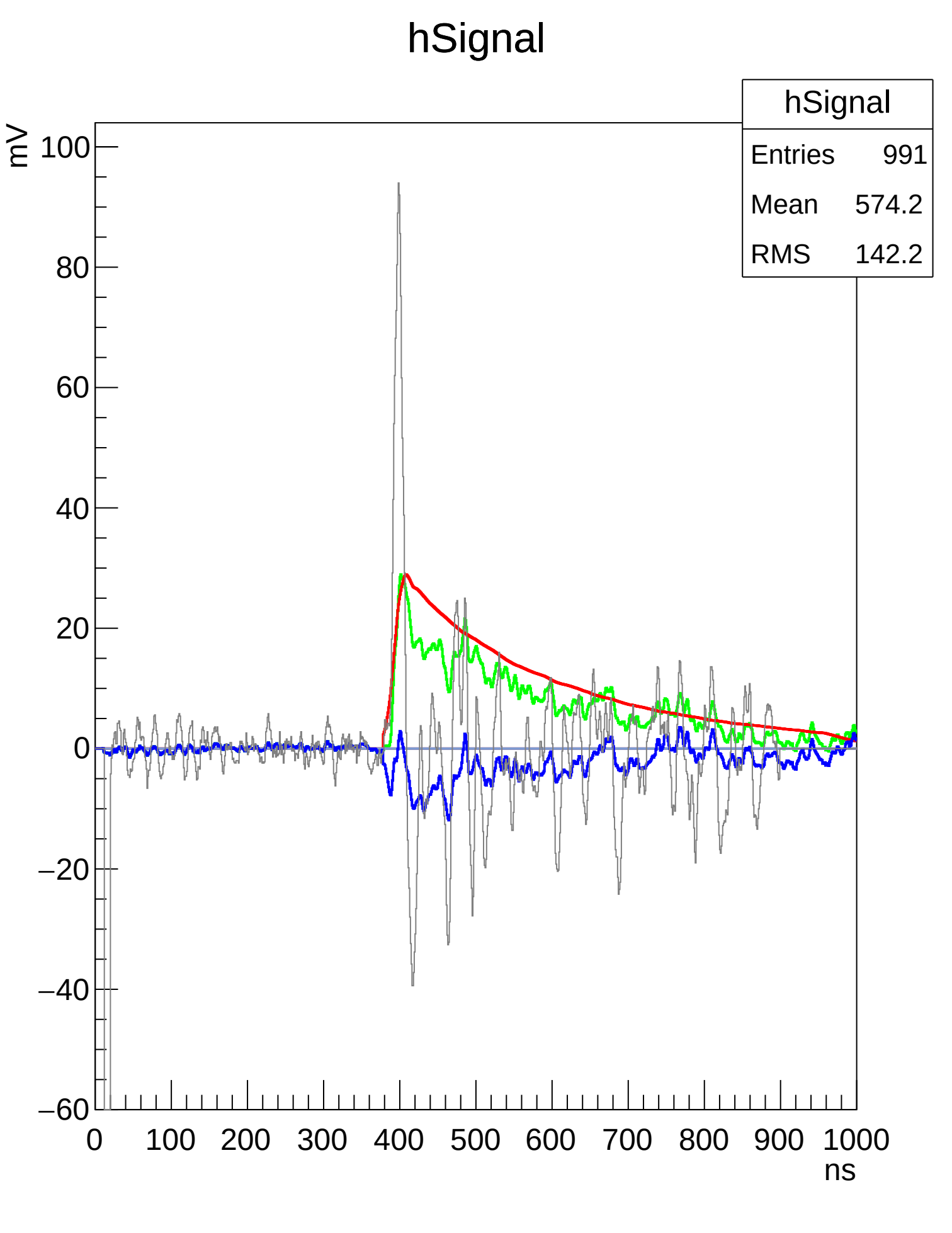
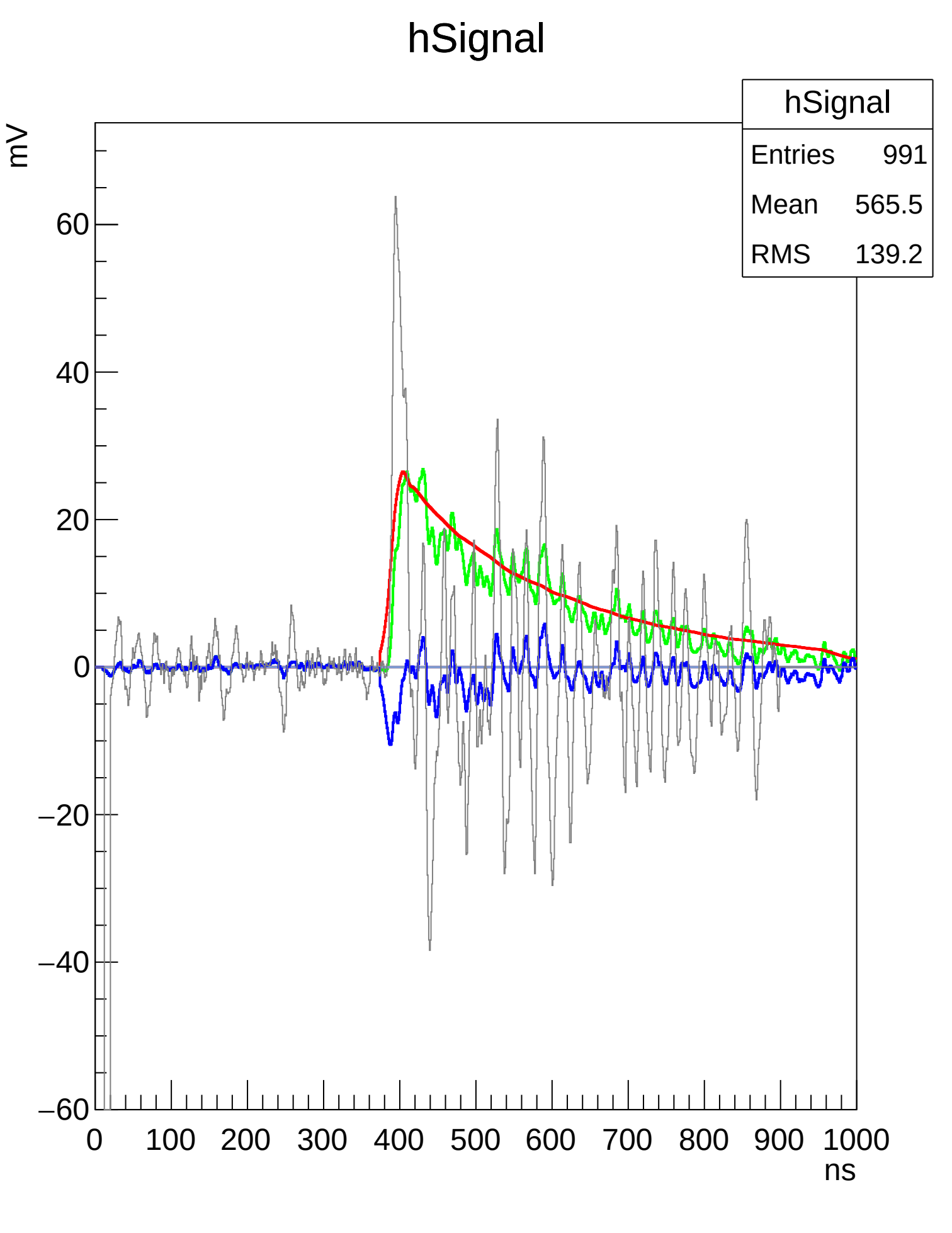
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.1
RMS 141.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.2
RMS 142.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.5
RMS 139.2
mV
60
40
20
0
−20
−40
−60
0
100
200
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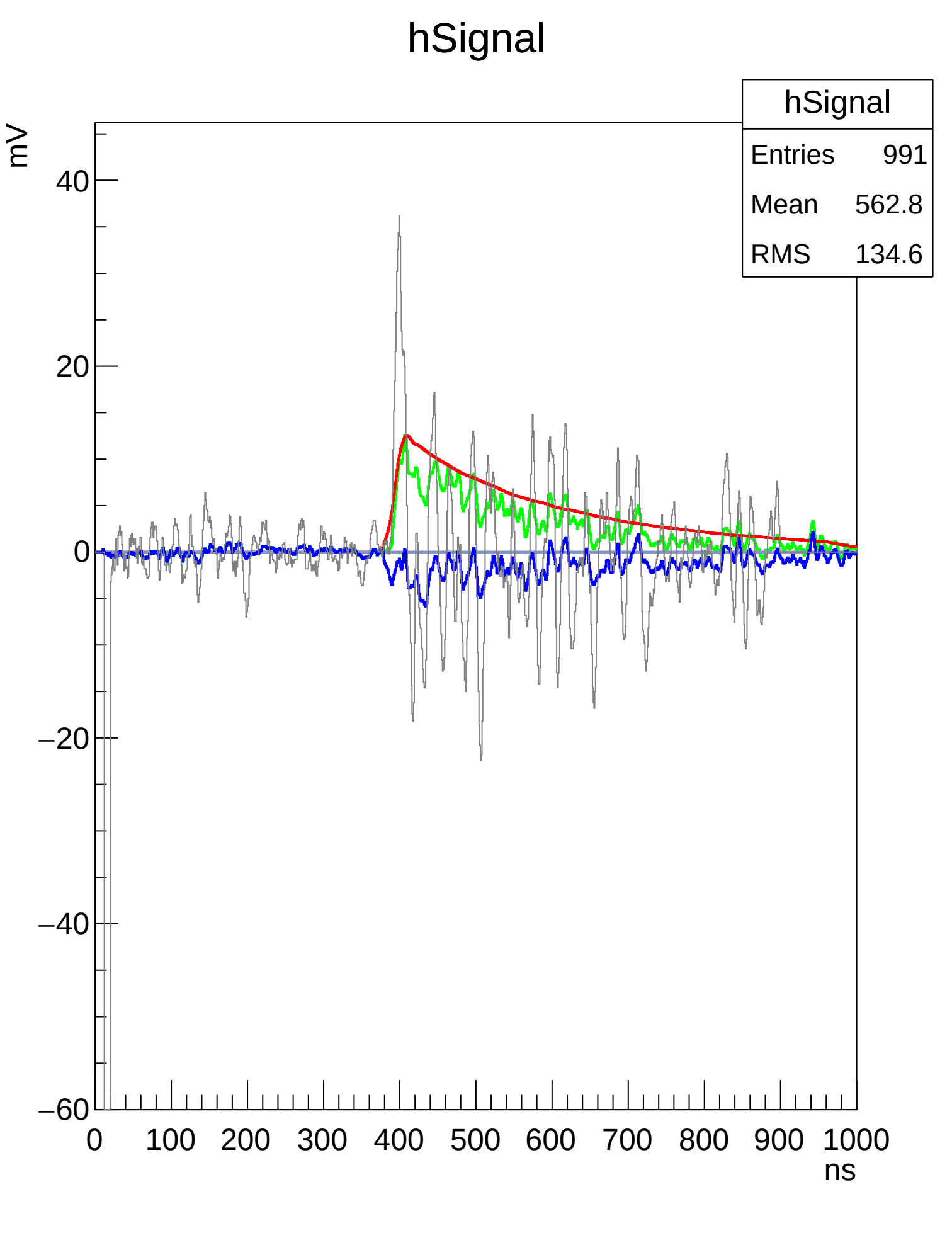
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.8
RMS 134.6
mV
40
20
0
−20
−40
−60
0
100
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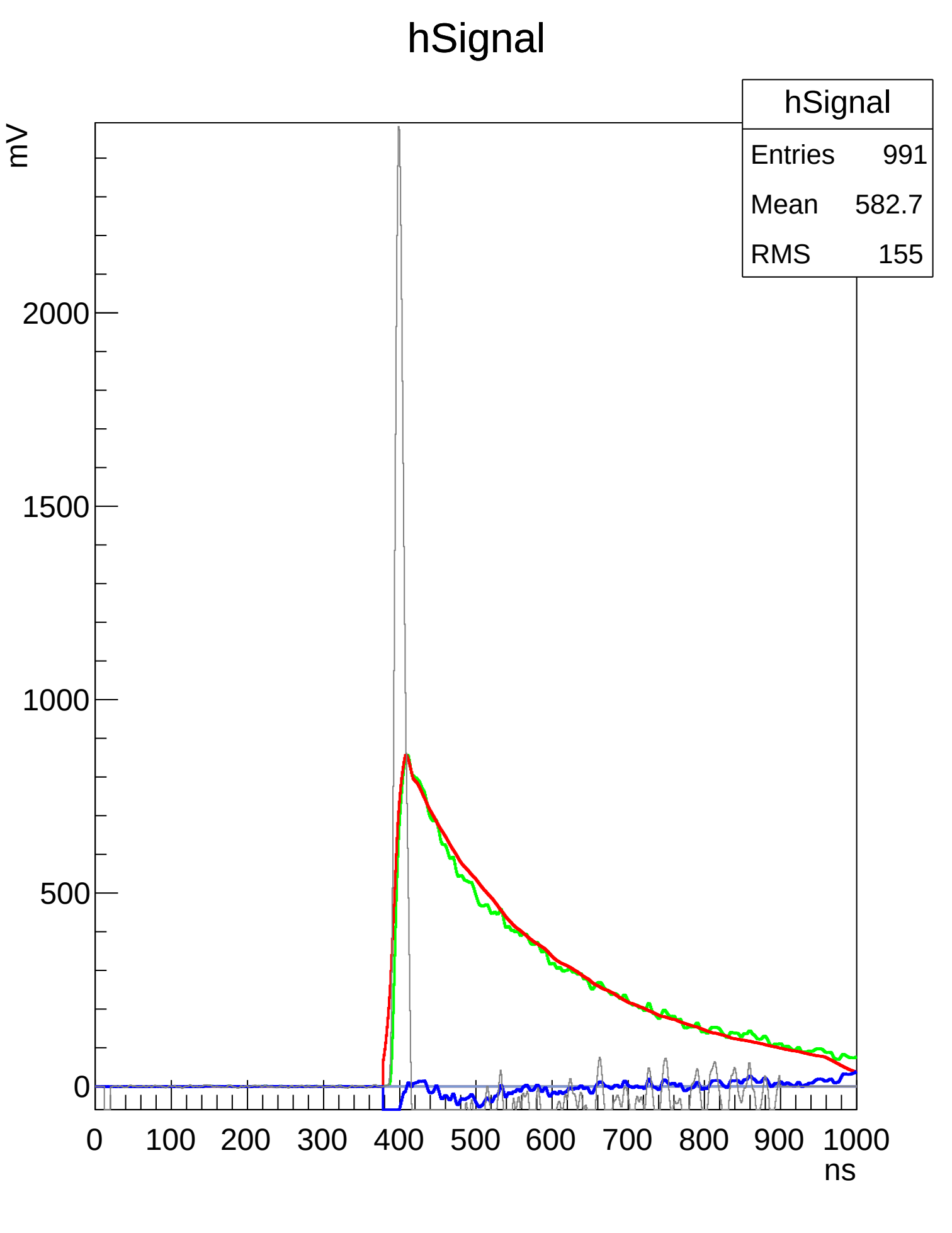
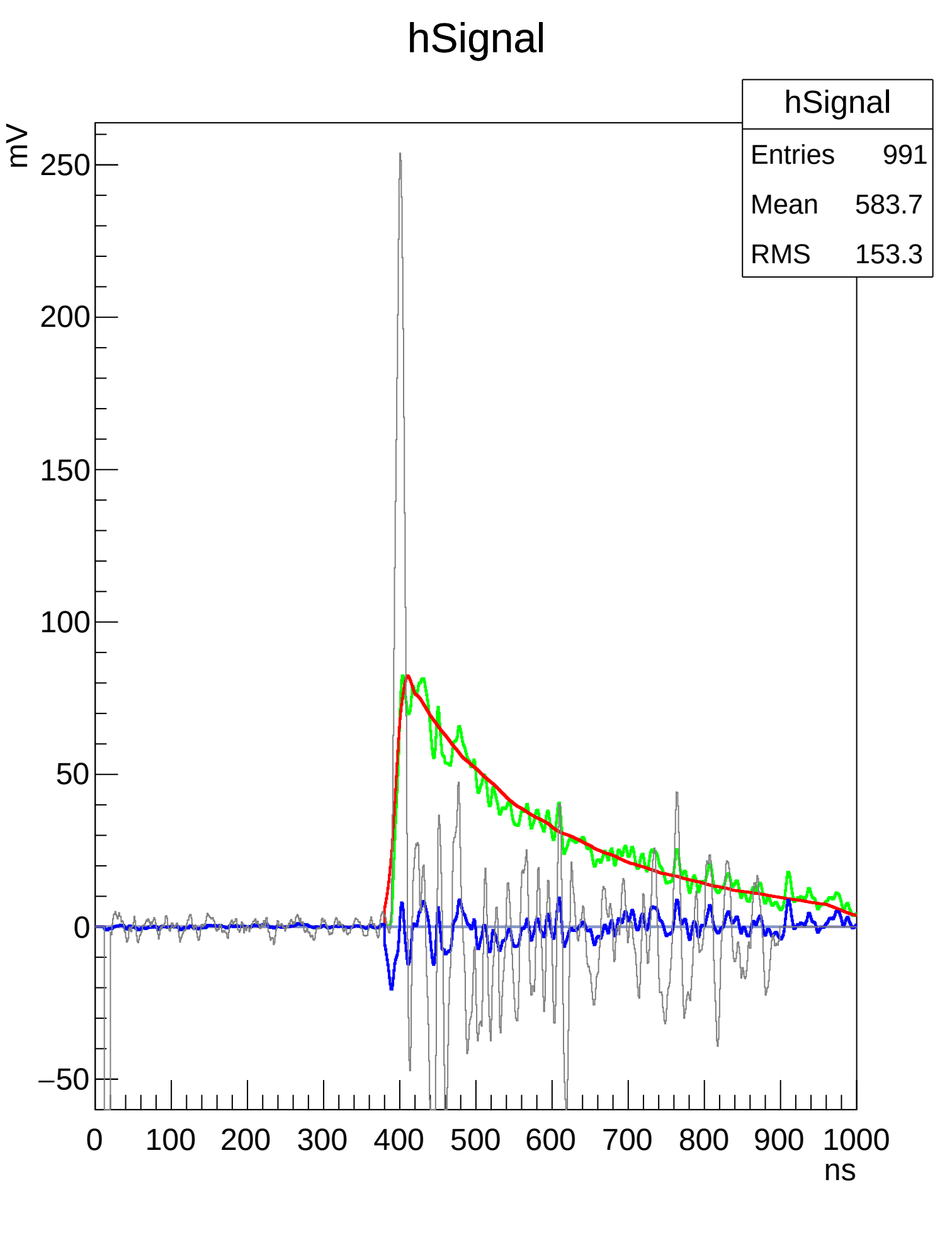
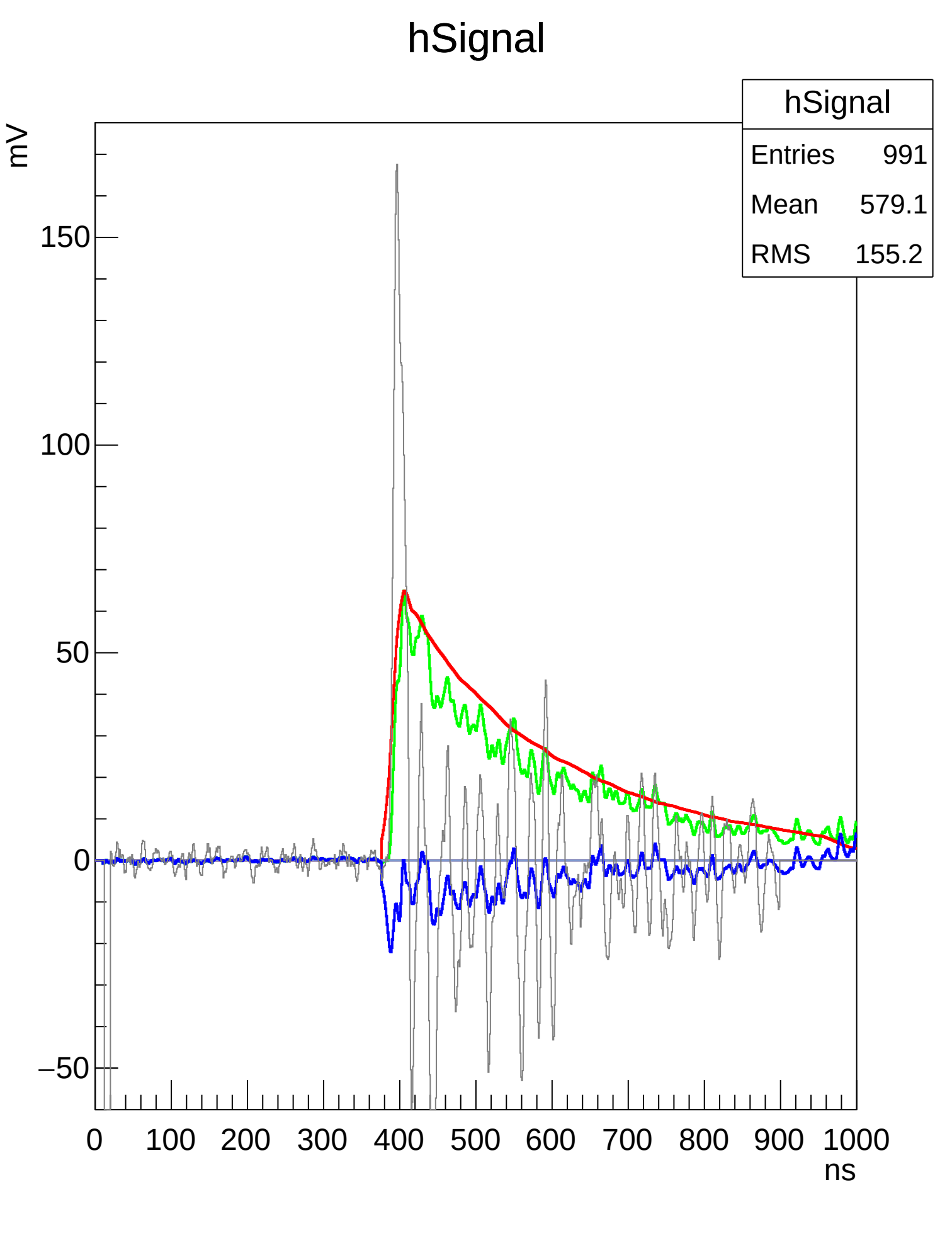
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.7
RMS 155
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.7
RMS 153.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.1
RMS 155.2
mV
150
100
50
0
−50
0
100
200
300
400
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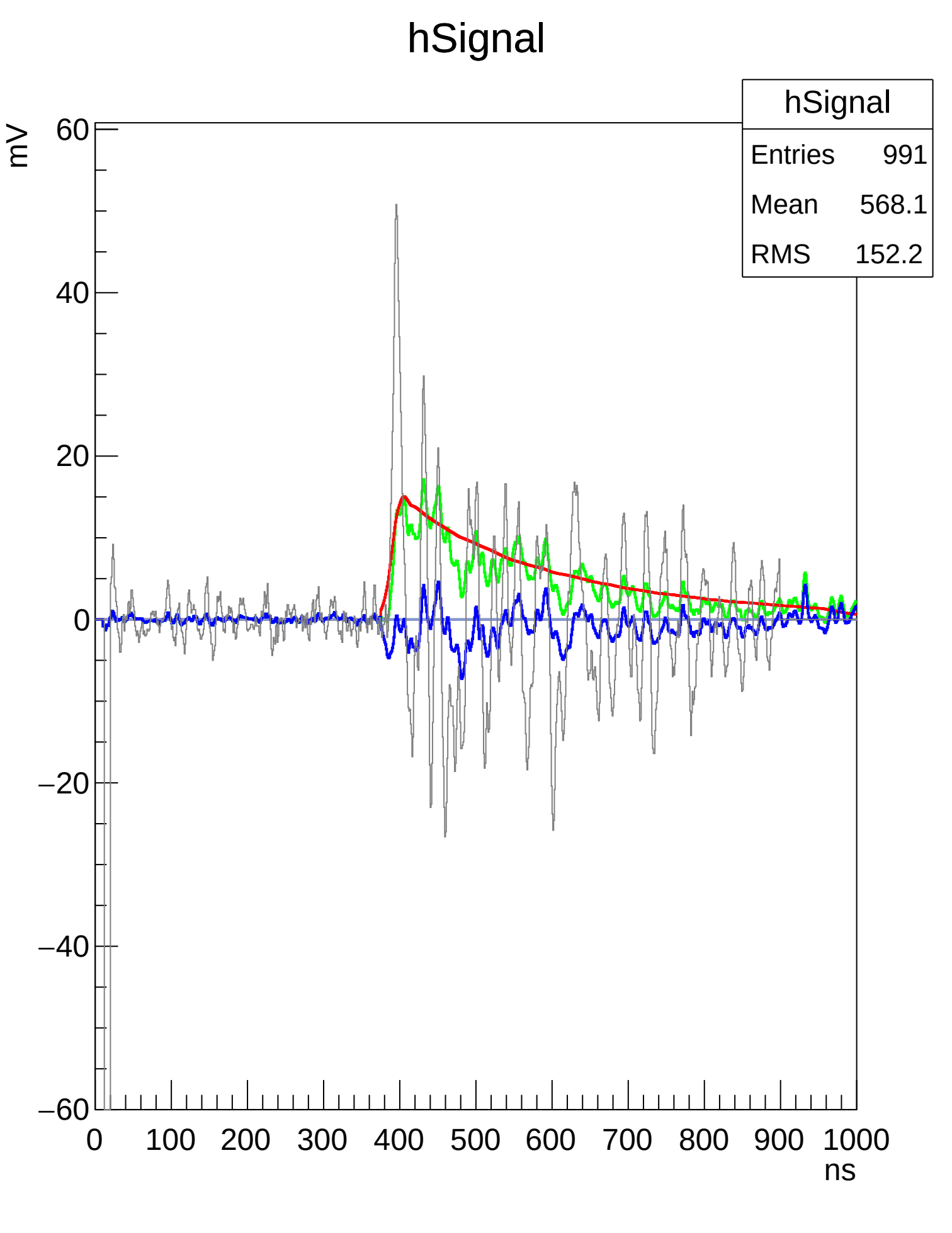
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.1
RMS 152.2
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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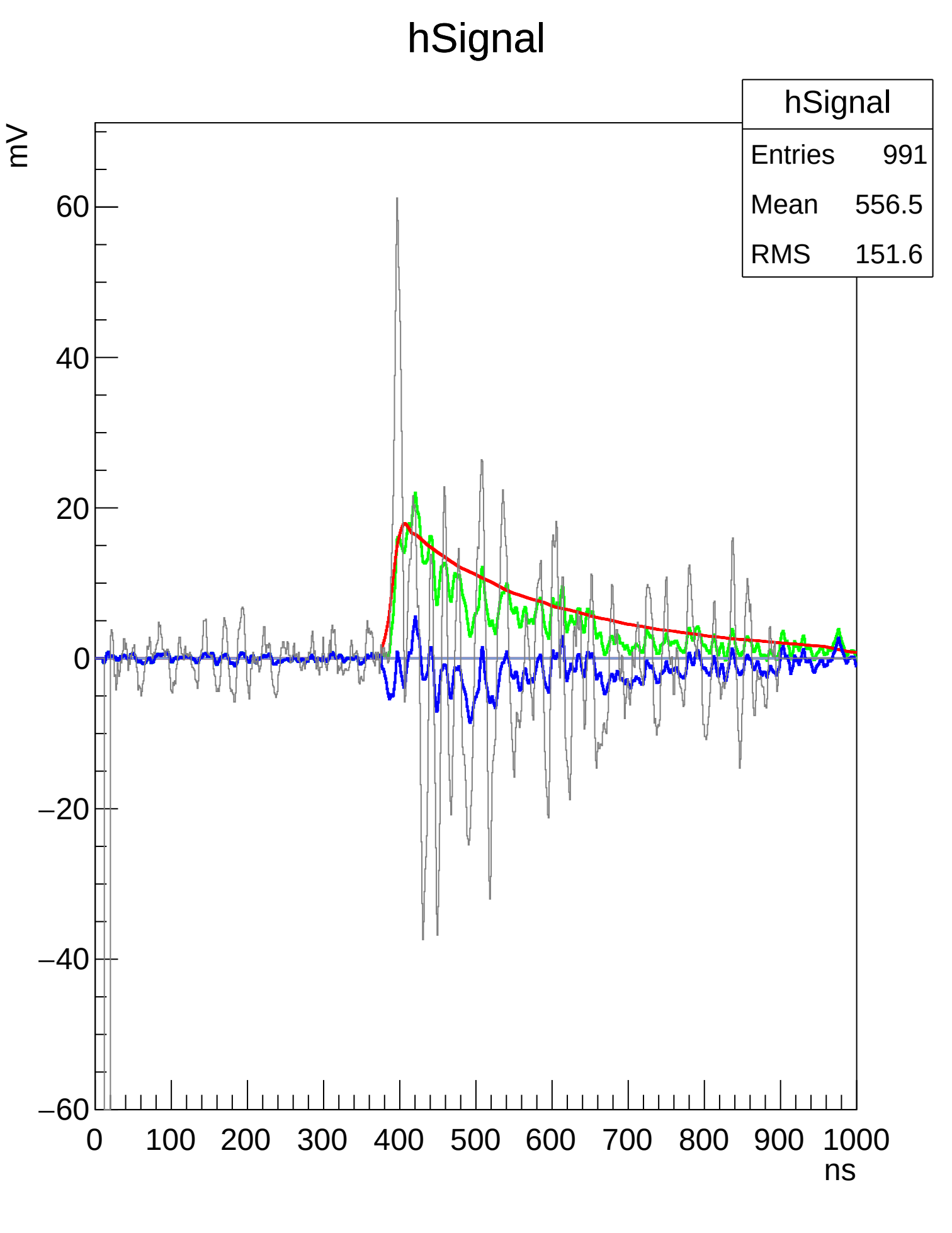
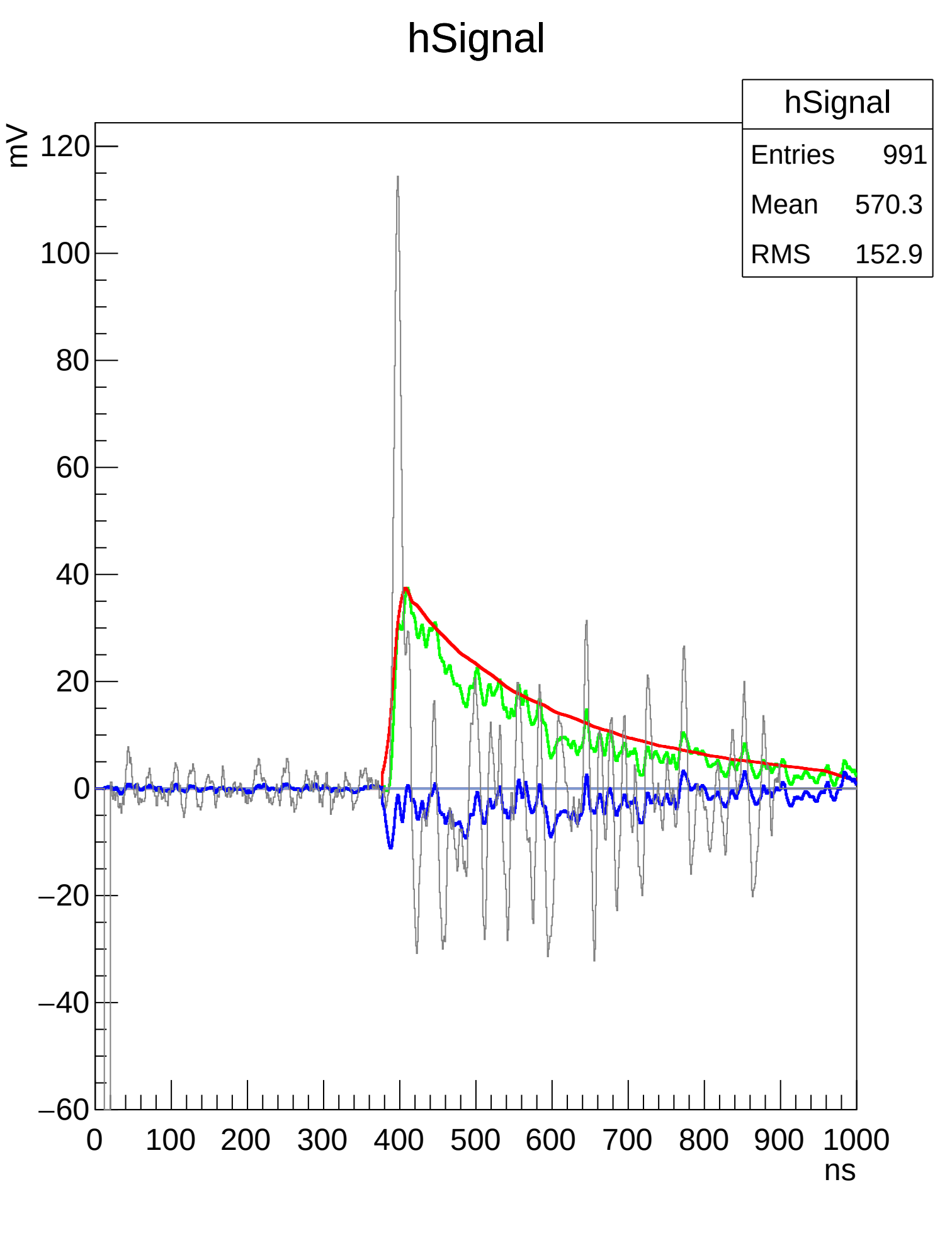
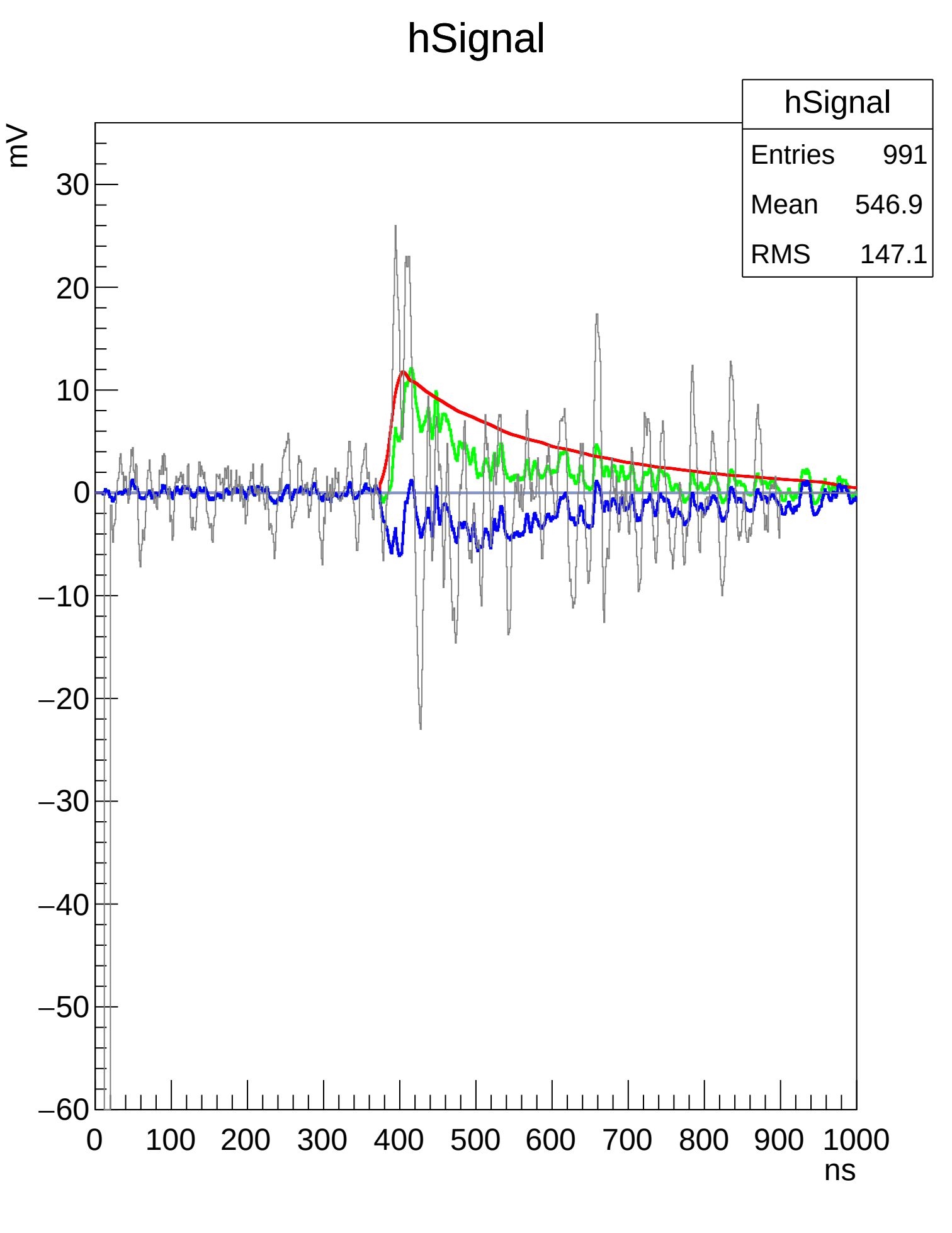
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.5
RMS 151.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.3
RMS 152.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.9
RMS 147.1
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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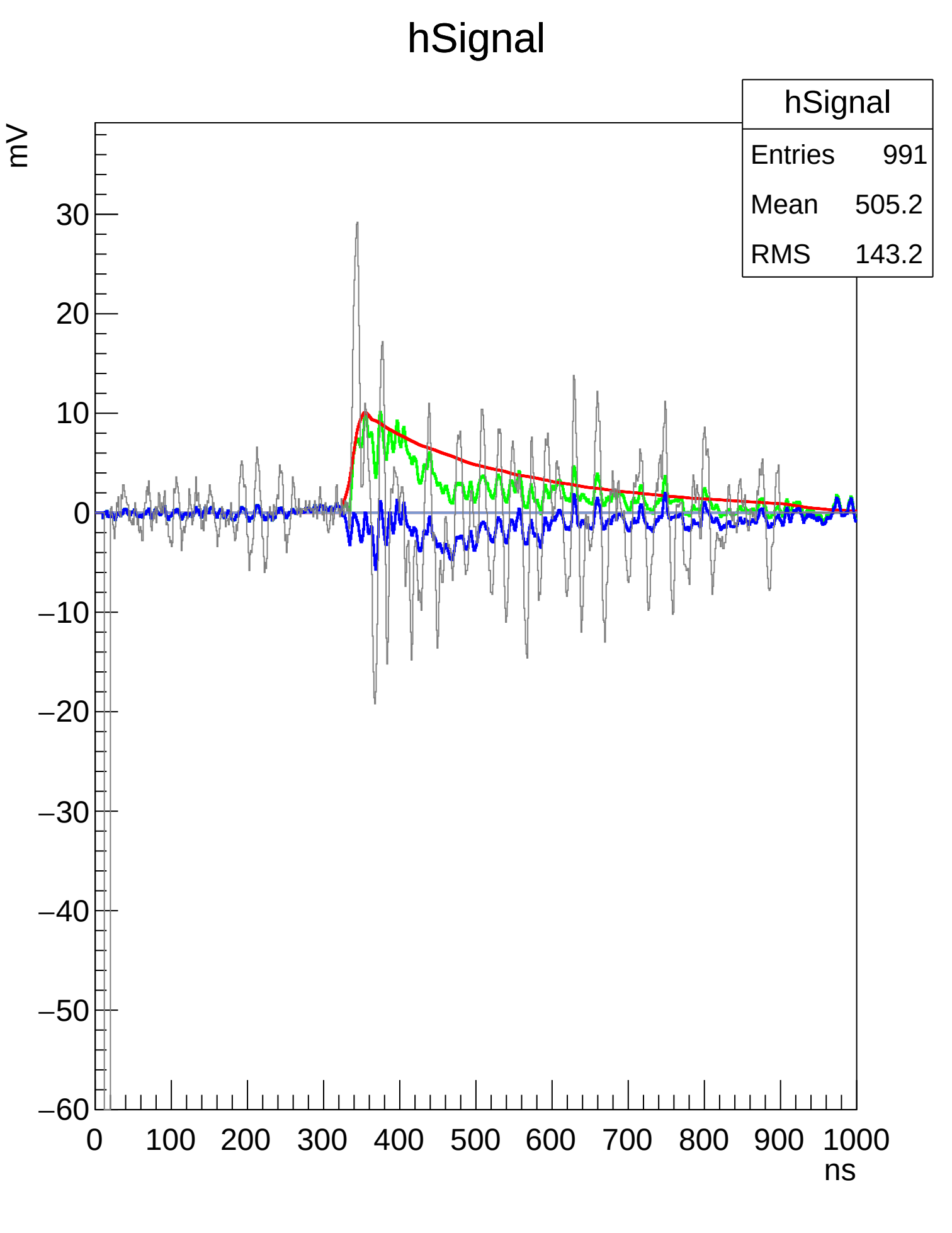
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.2
RMS 143.2
mV
30
20
10
0
−10
−20
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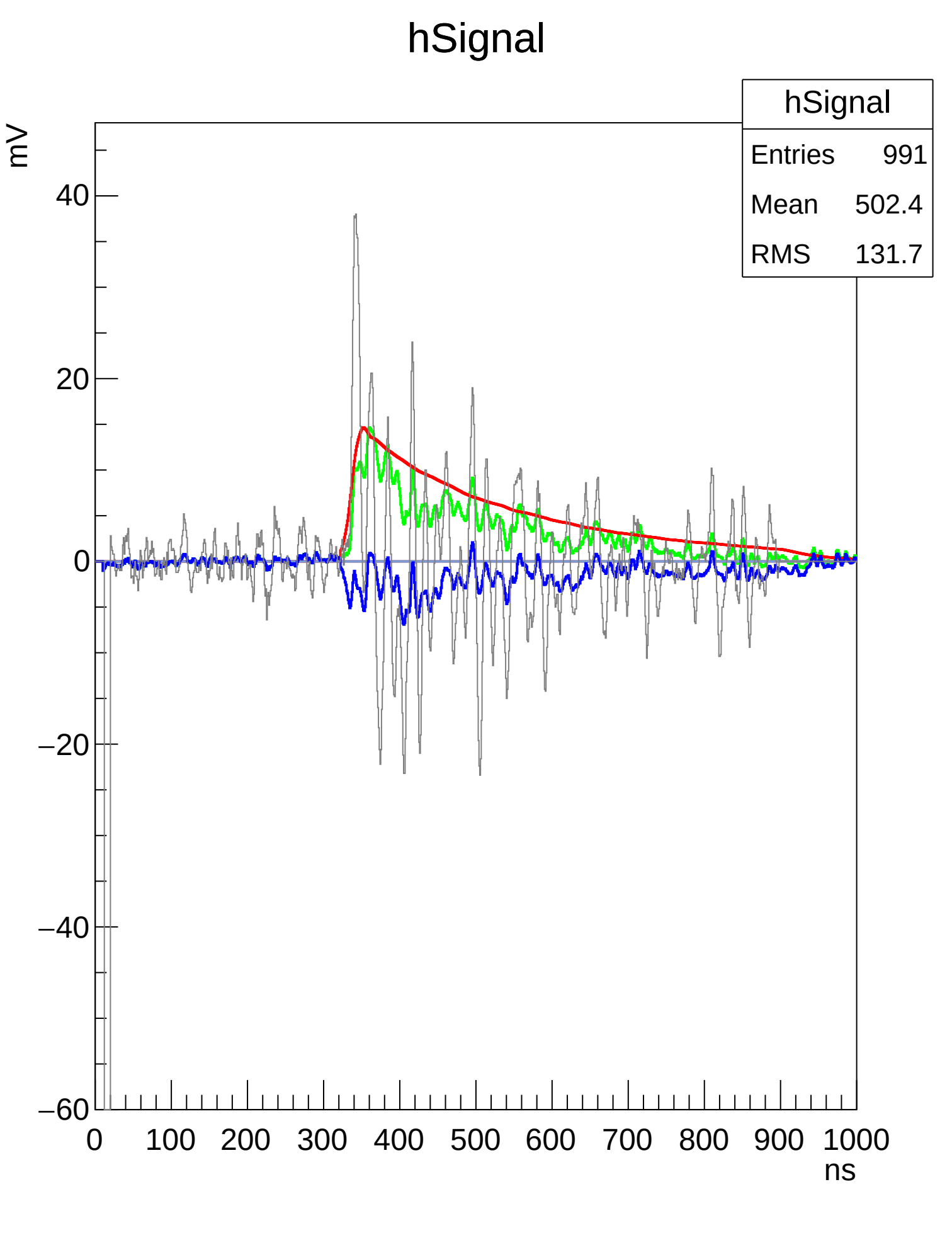
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.4
RMS 131.7
mV
40
20
0
−20
−40
−60
0
100
200
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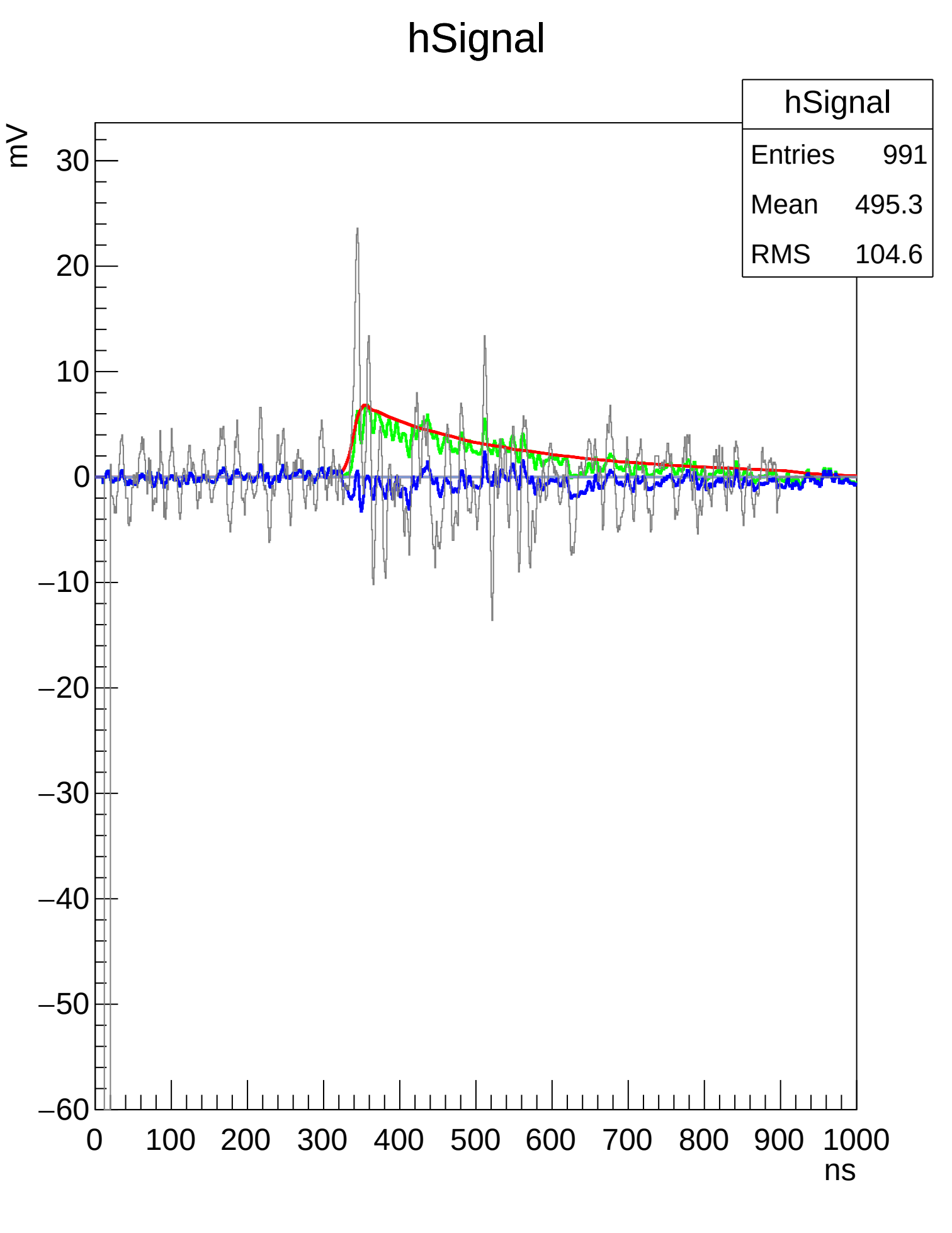
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.3
RMS 104.6
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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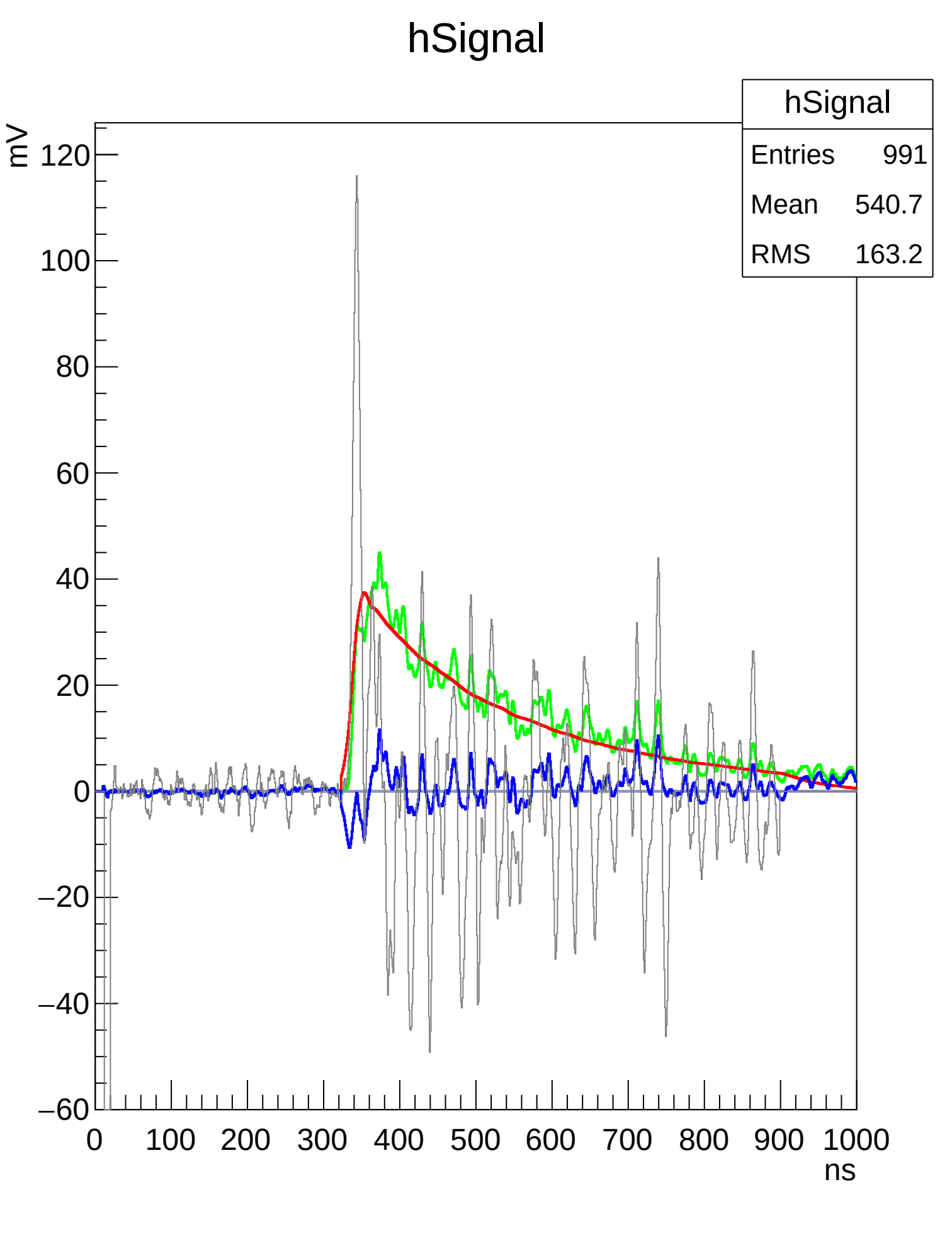
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.7
RMS 163.2
mV
120
100
80
60
40
20
0
−20
−40
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100
200
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400
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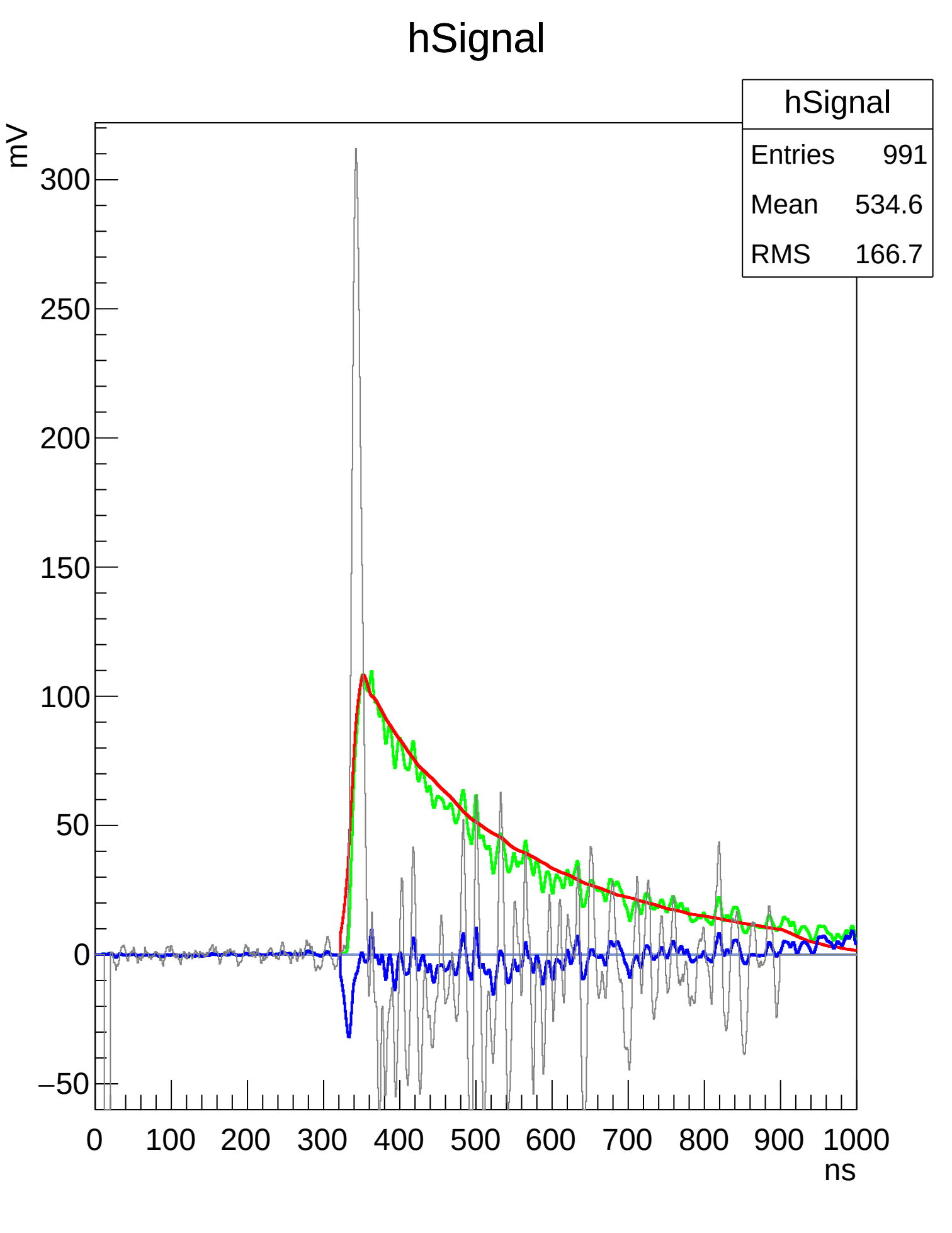
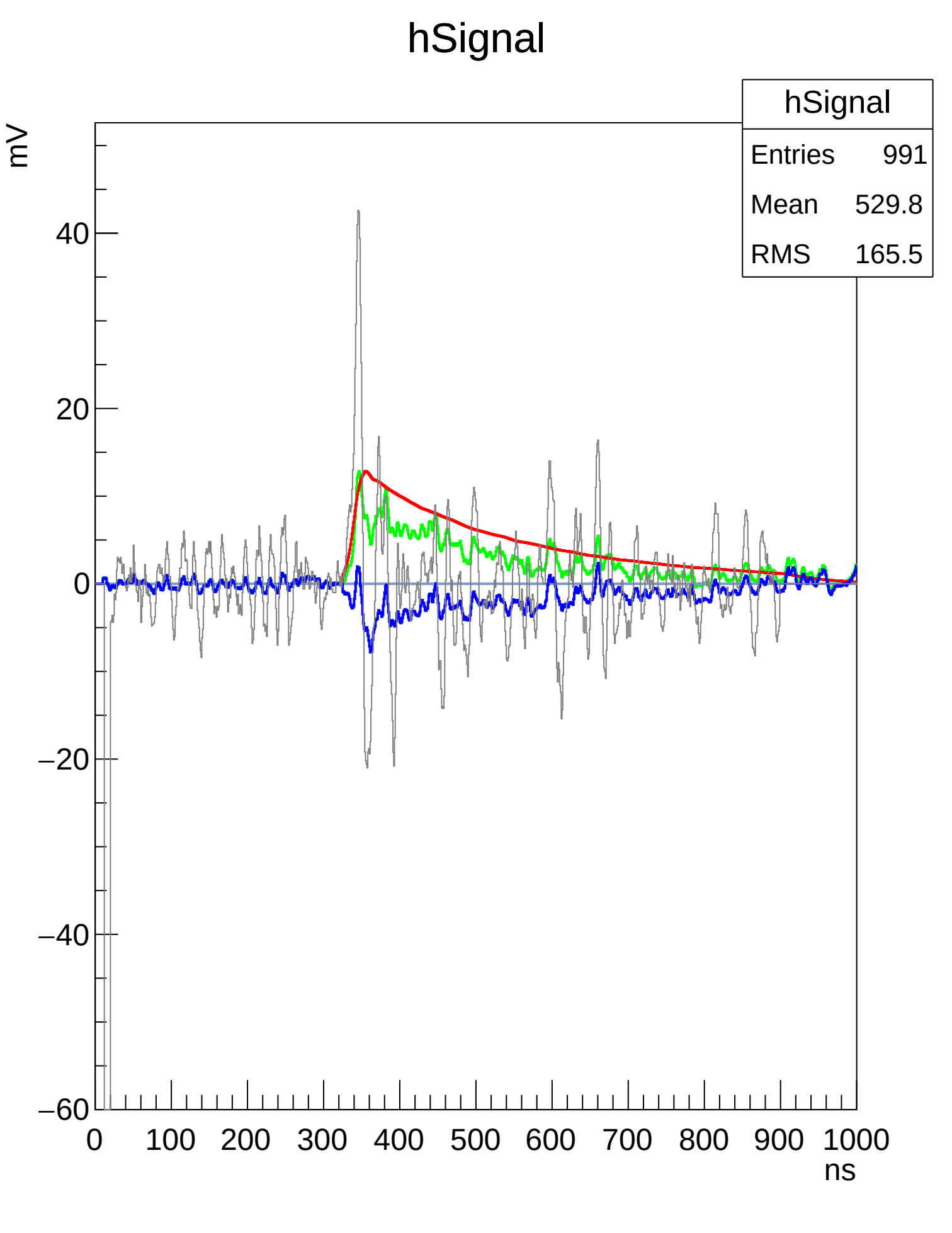
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.6
RMS 166.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.8
RMS 165.5
mV
40
20
0
−20
−40
−60
0
100
200
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400
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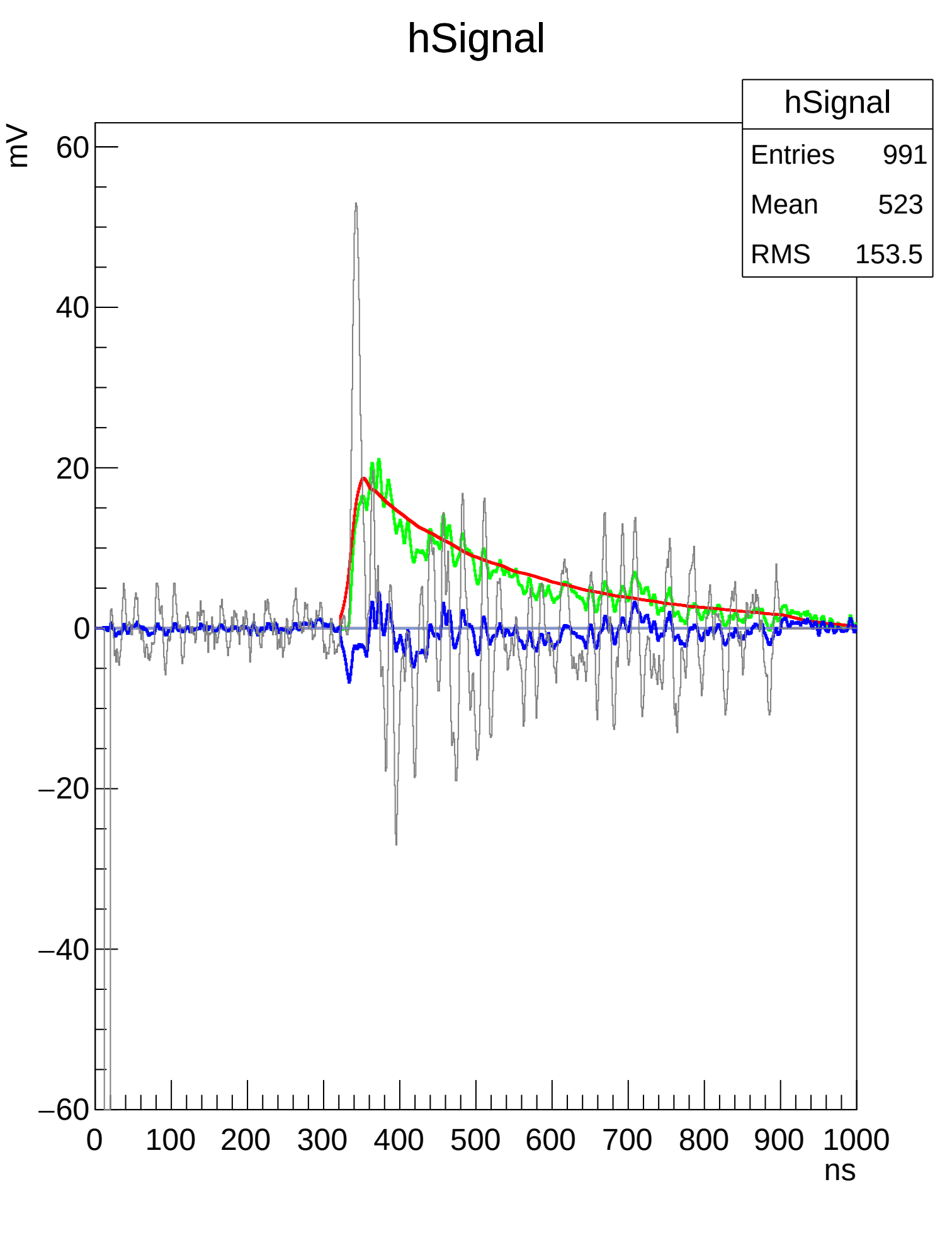
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 523
RMS 153.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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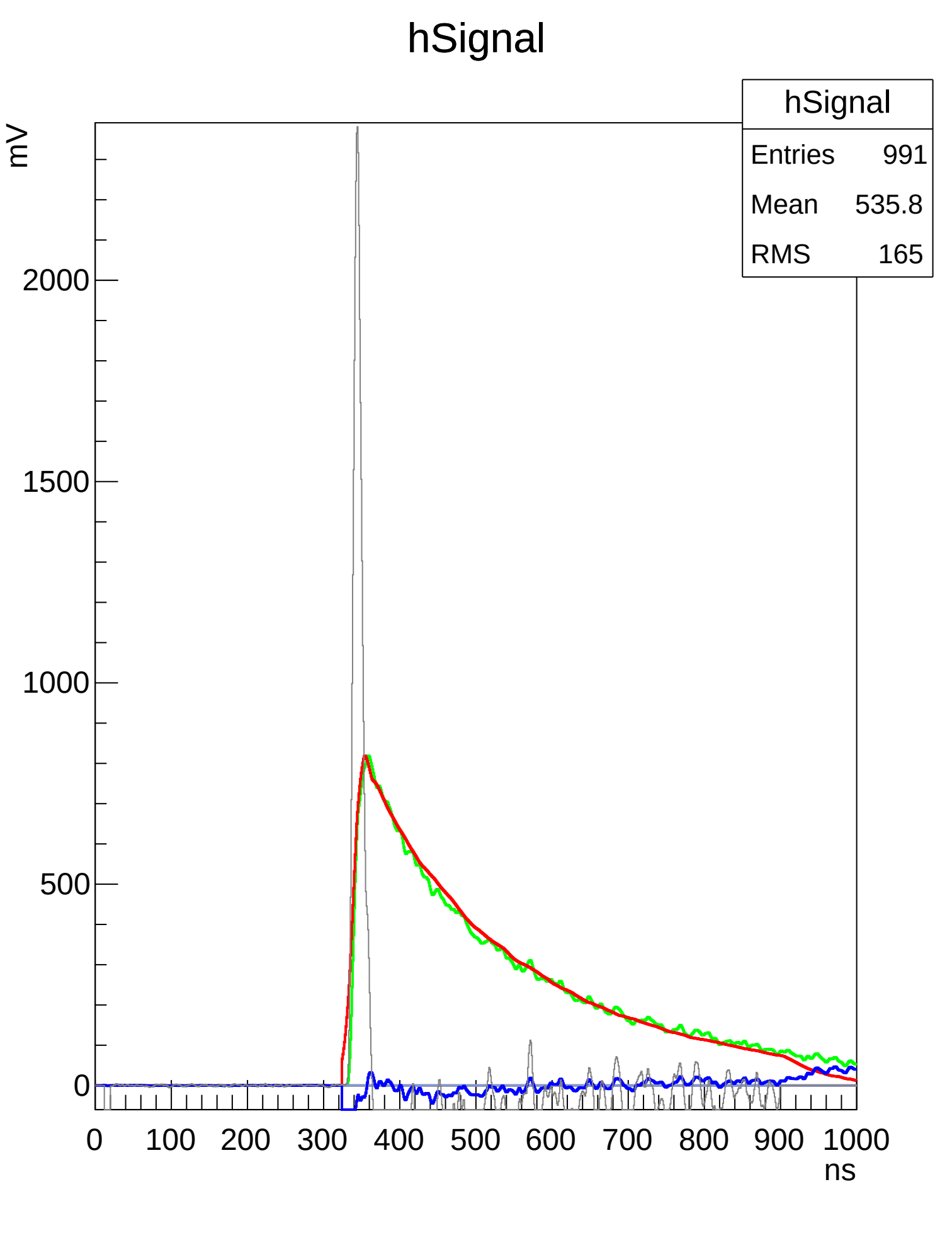
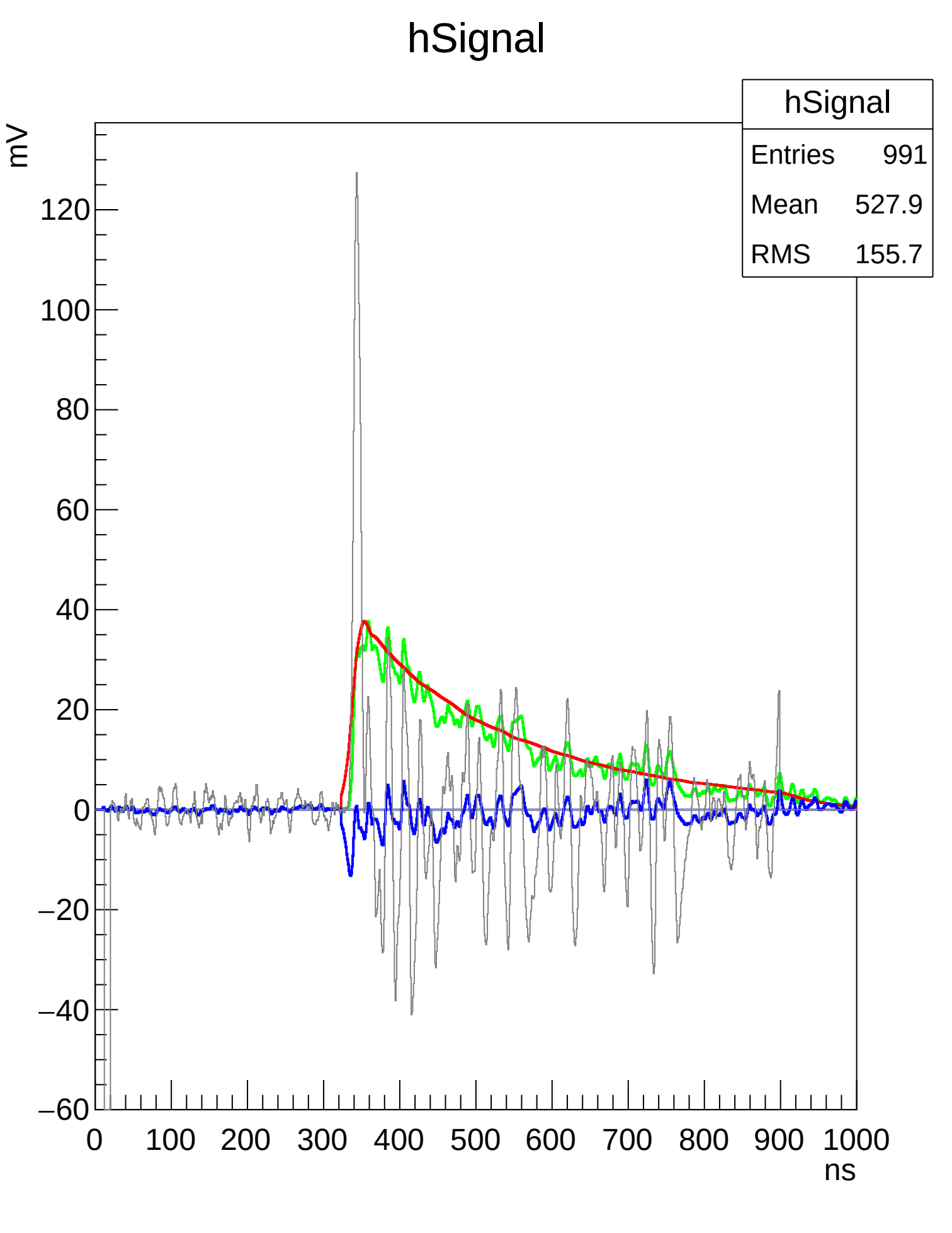
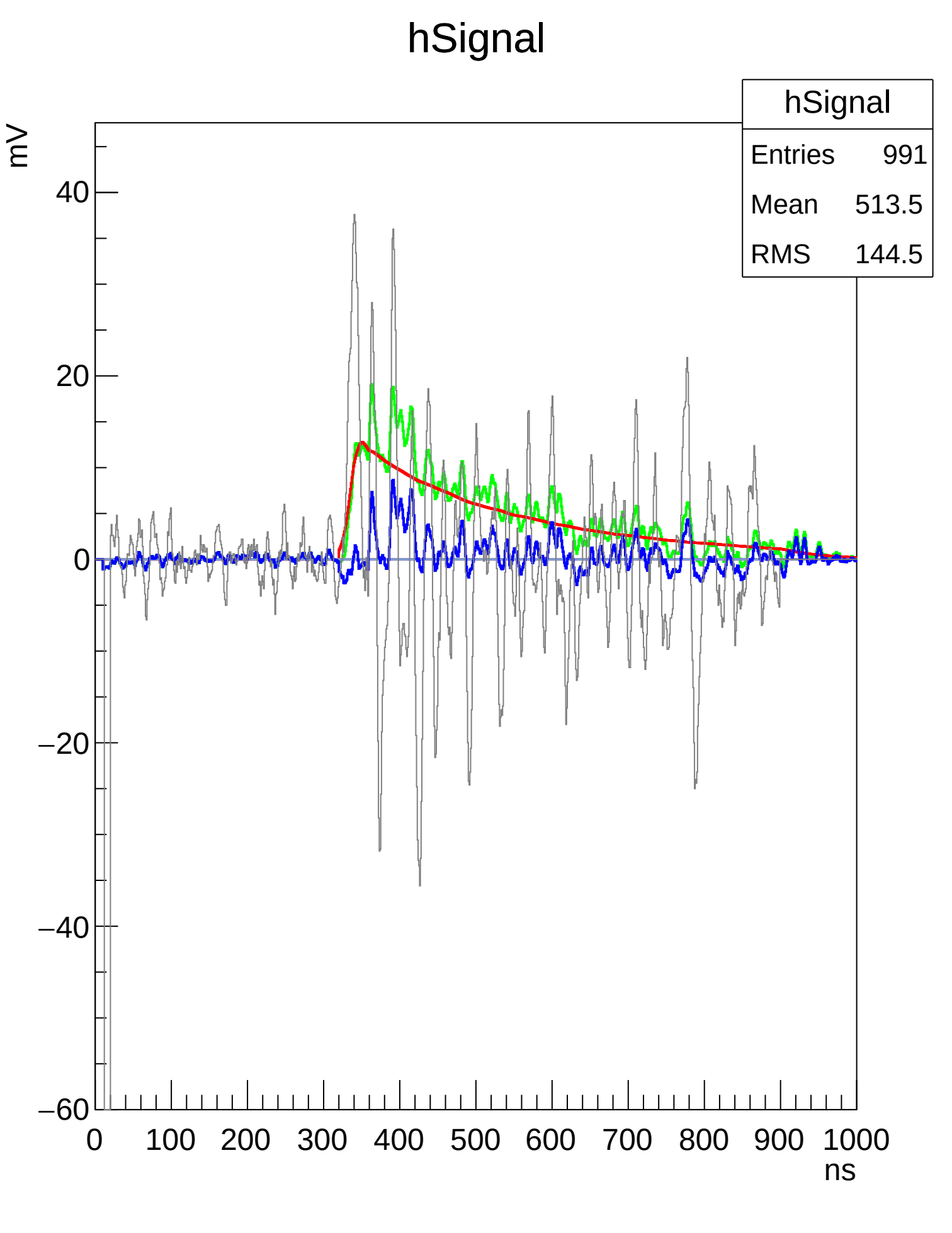
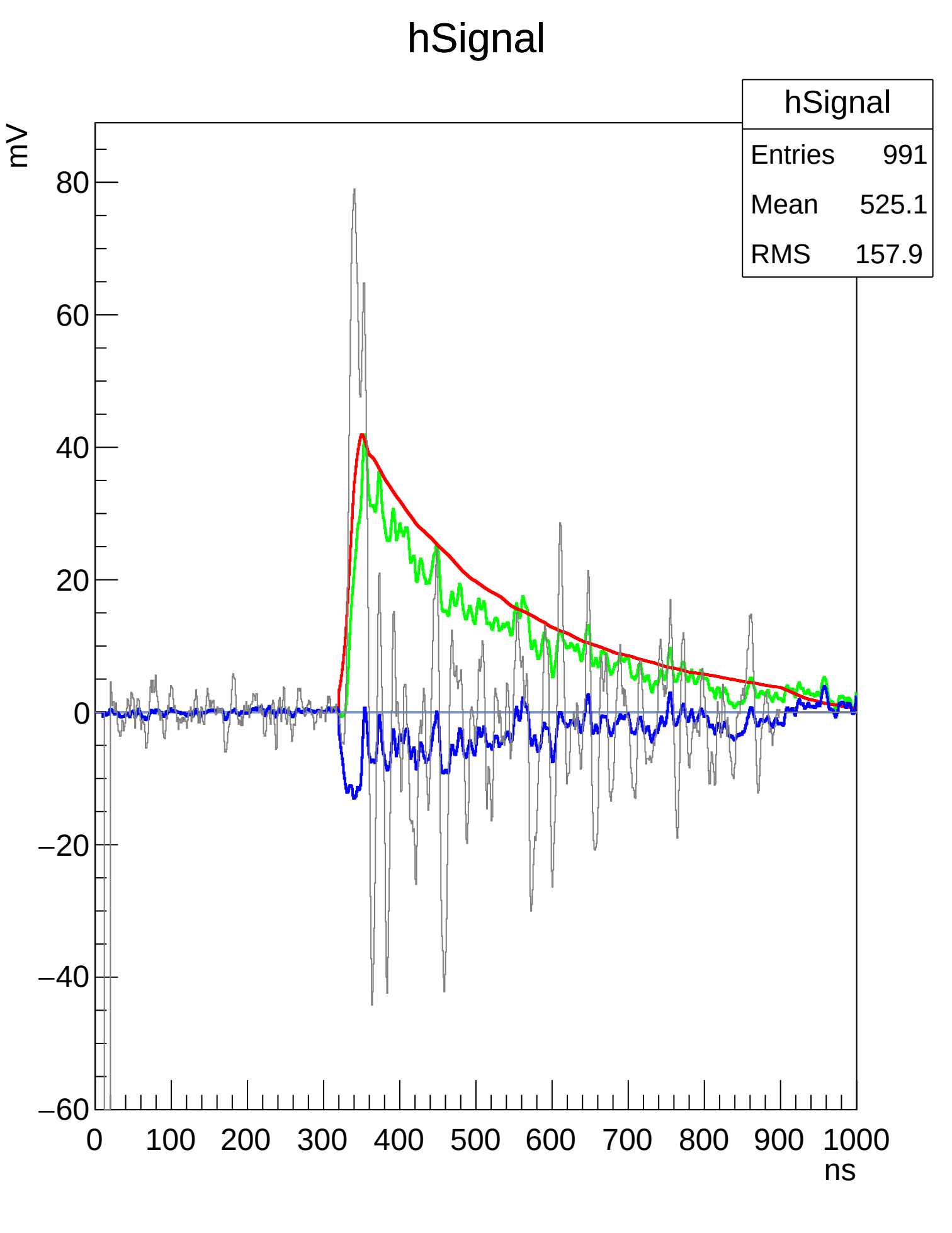
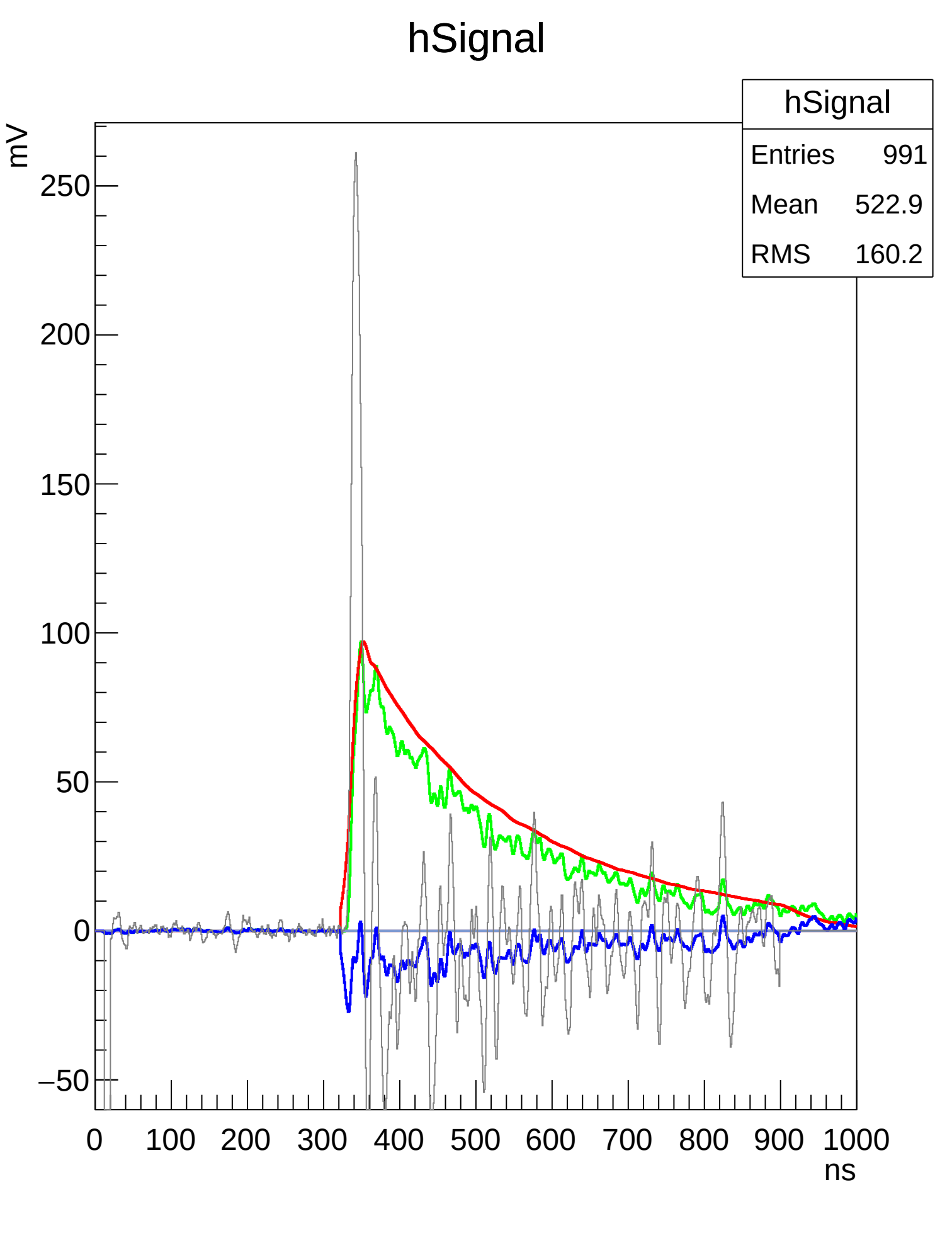
600
700
800
900
1000
ns

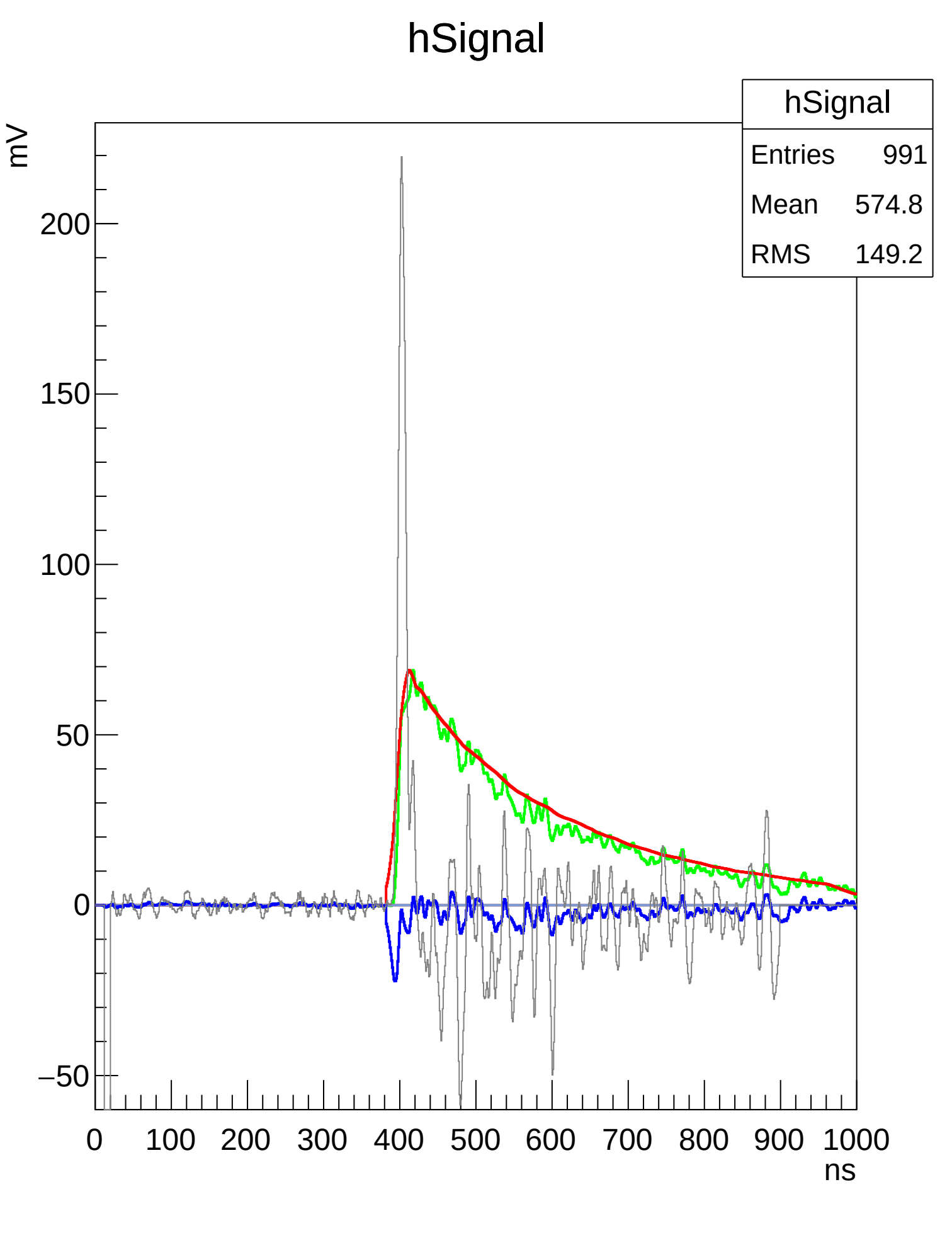

hSignal
hSignal
Entries 991
Mean 535.8
RMS 165
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527.9
RMS 155.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 513.5
RMS 144.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.1
RMS 157.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 522.9
RMS 160.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.8
RMS 149.2
mV
200
150
100
50
0
−50
0
100
200
300
400
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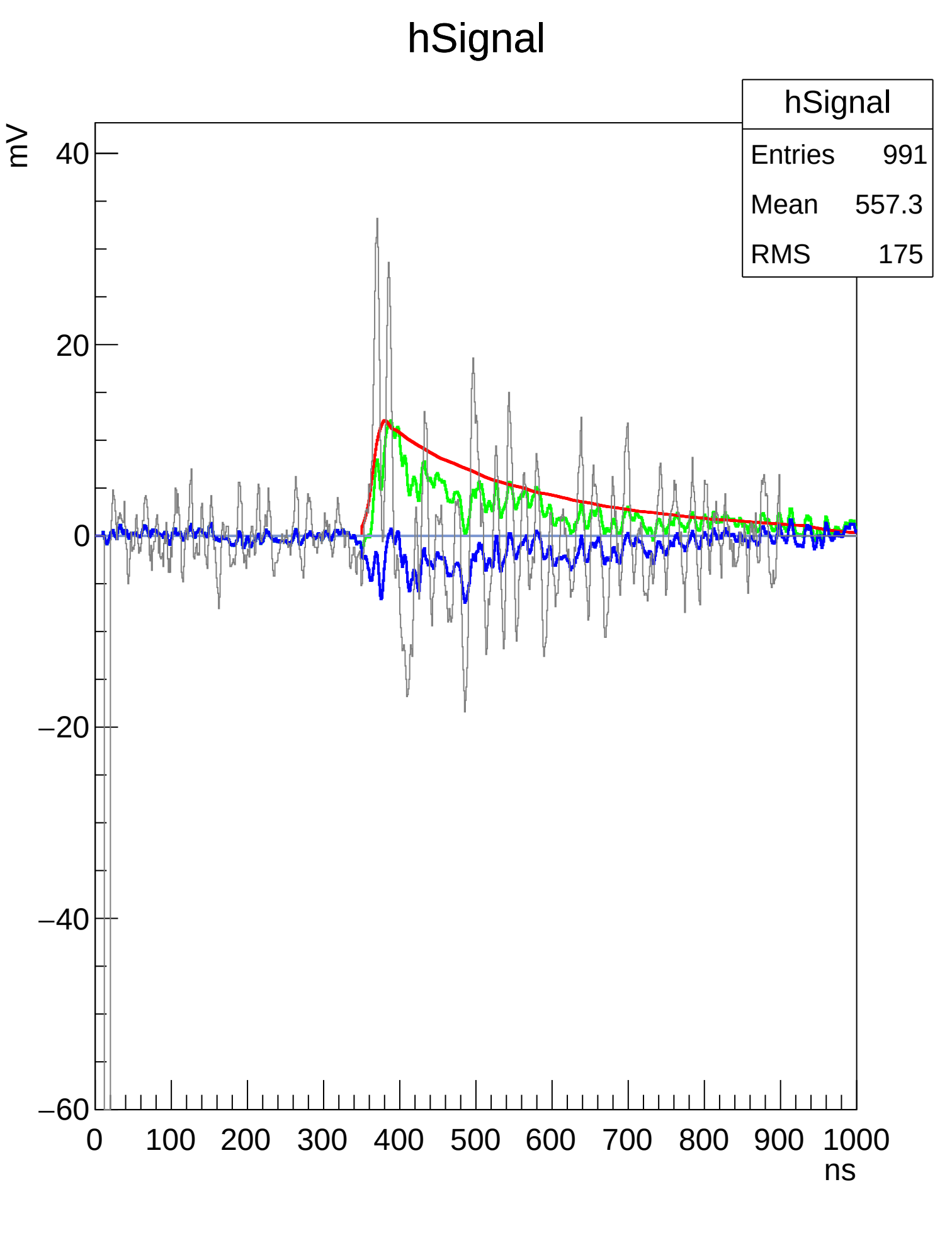
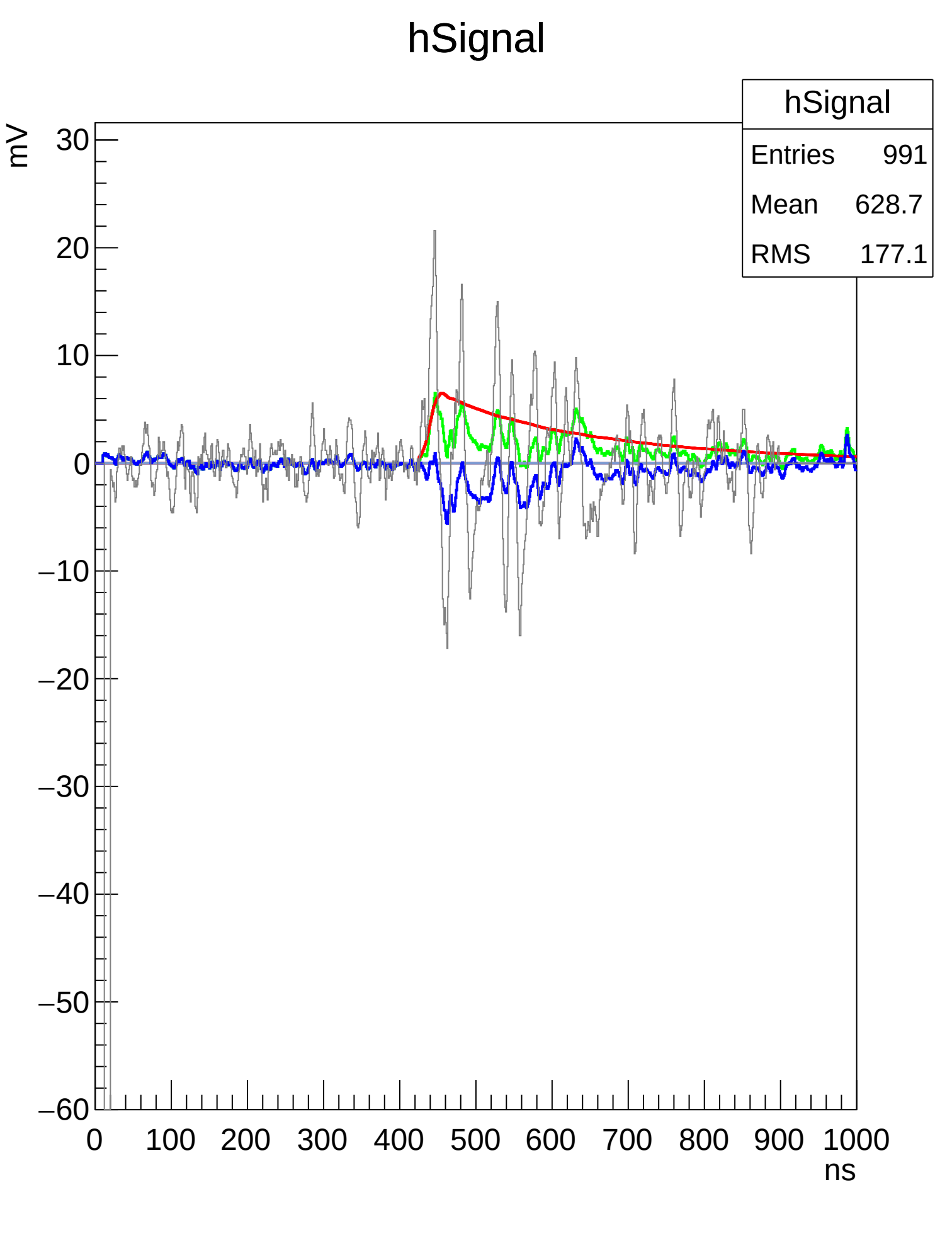
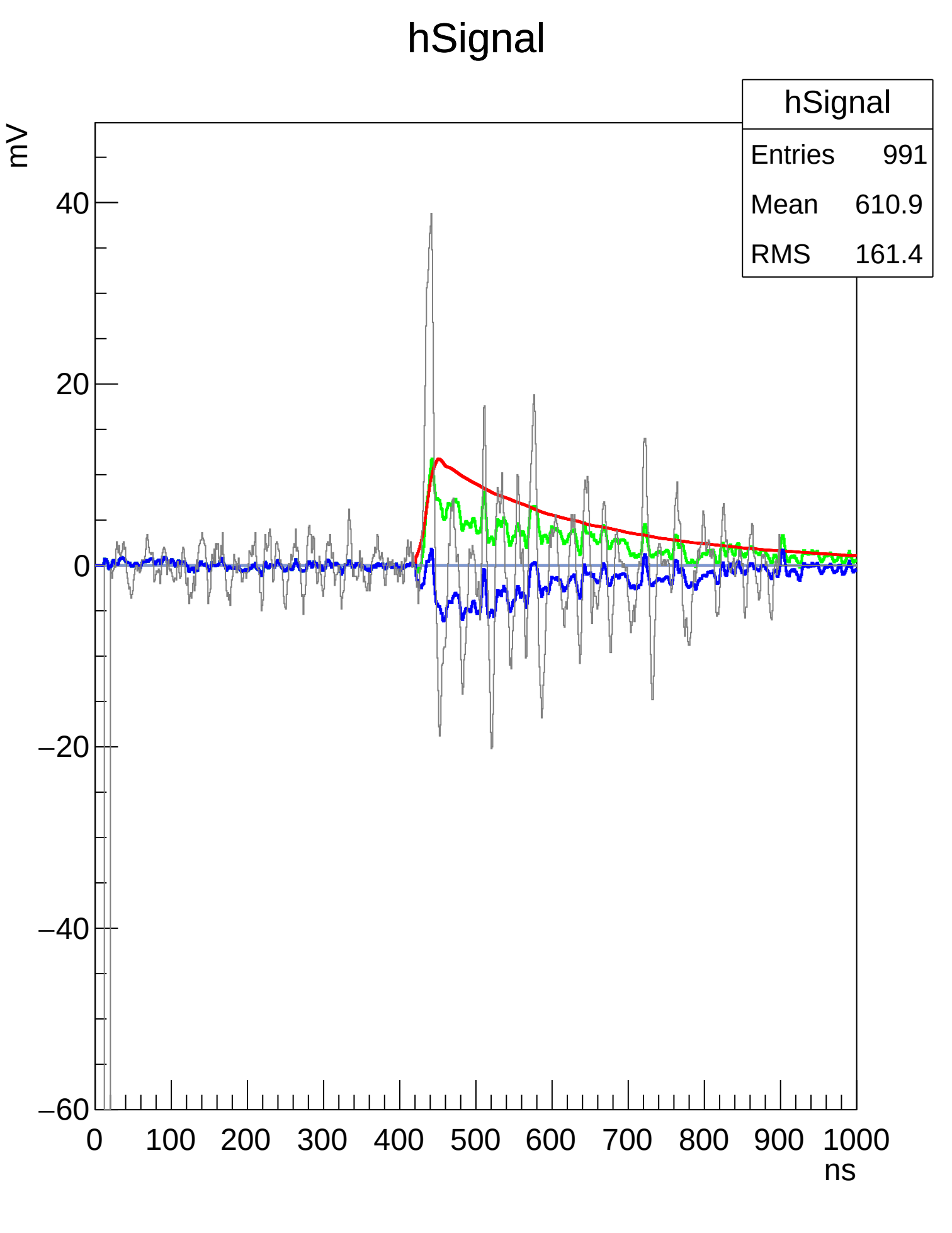
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.3
RMS 175
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 628.7
RMS 177.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.9
RMS 161.4
mV
40
20
0
−20
−40
−60
0
100
200
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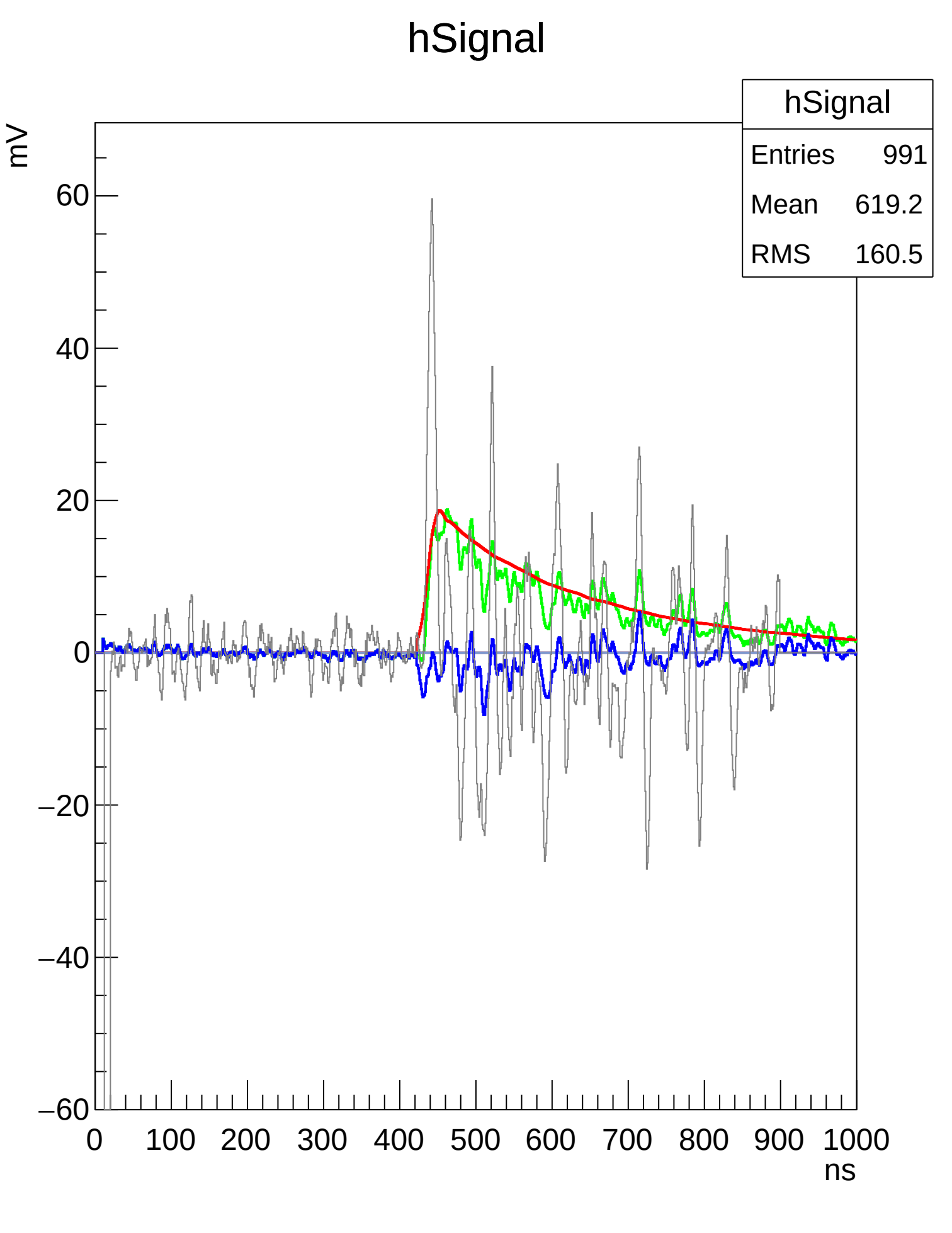
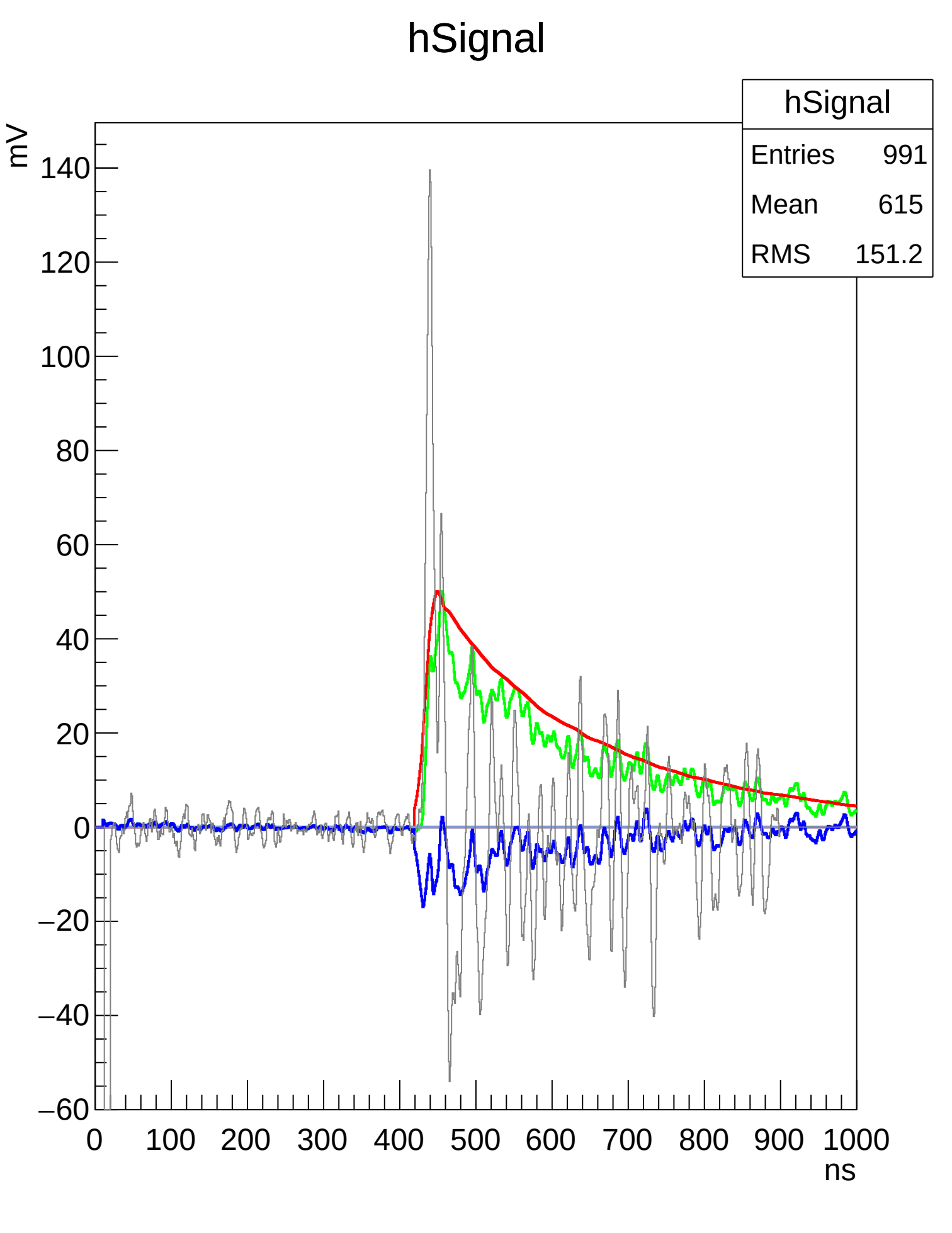
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.2
RMS 160.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615
RMS 151.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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800
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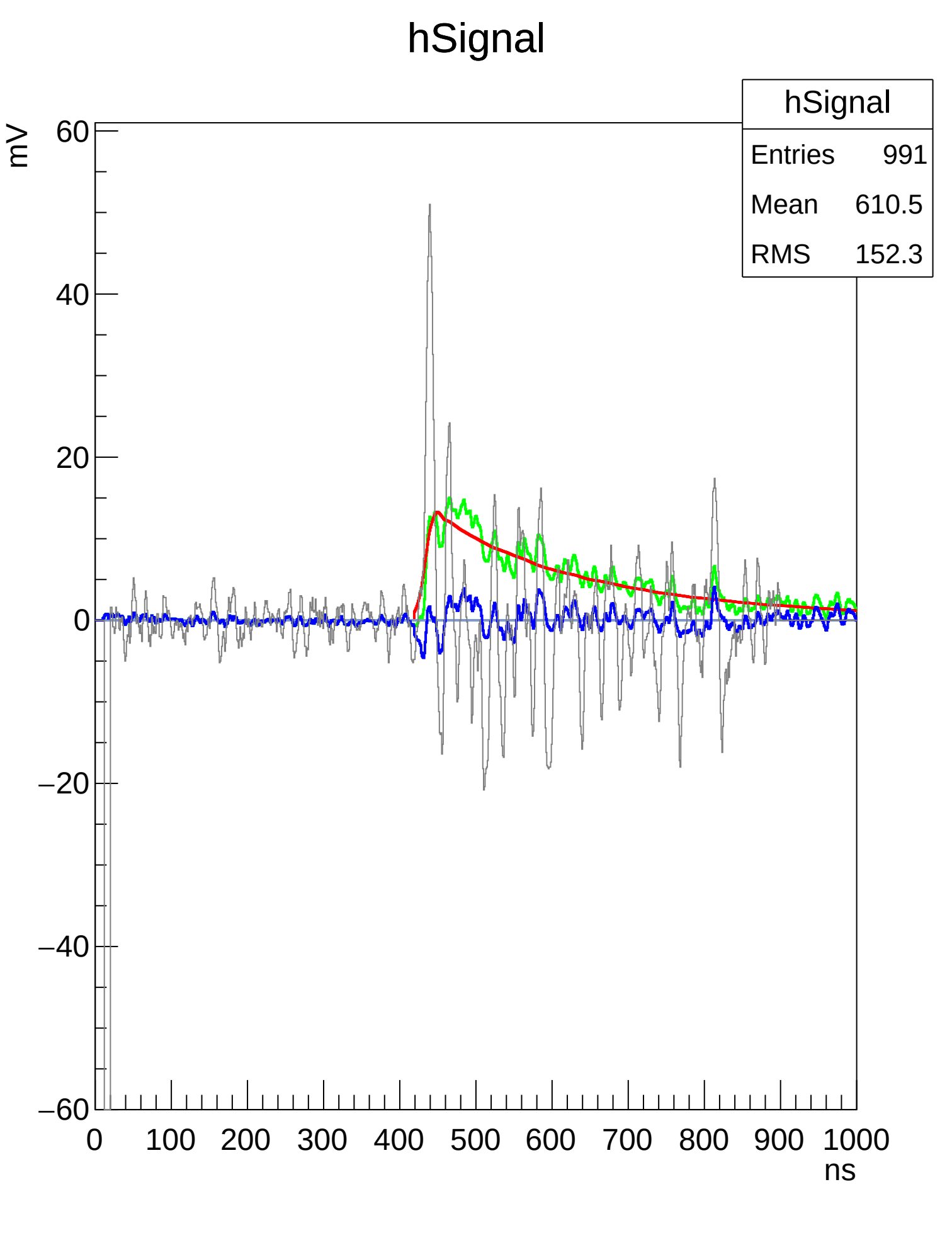
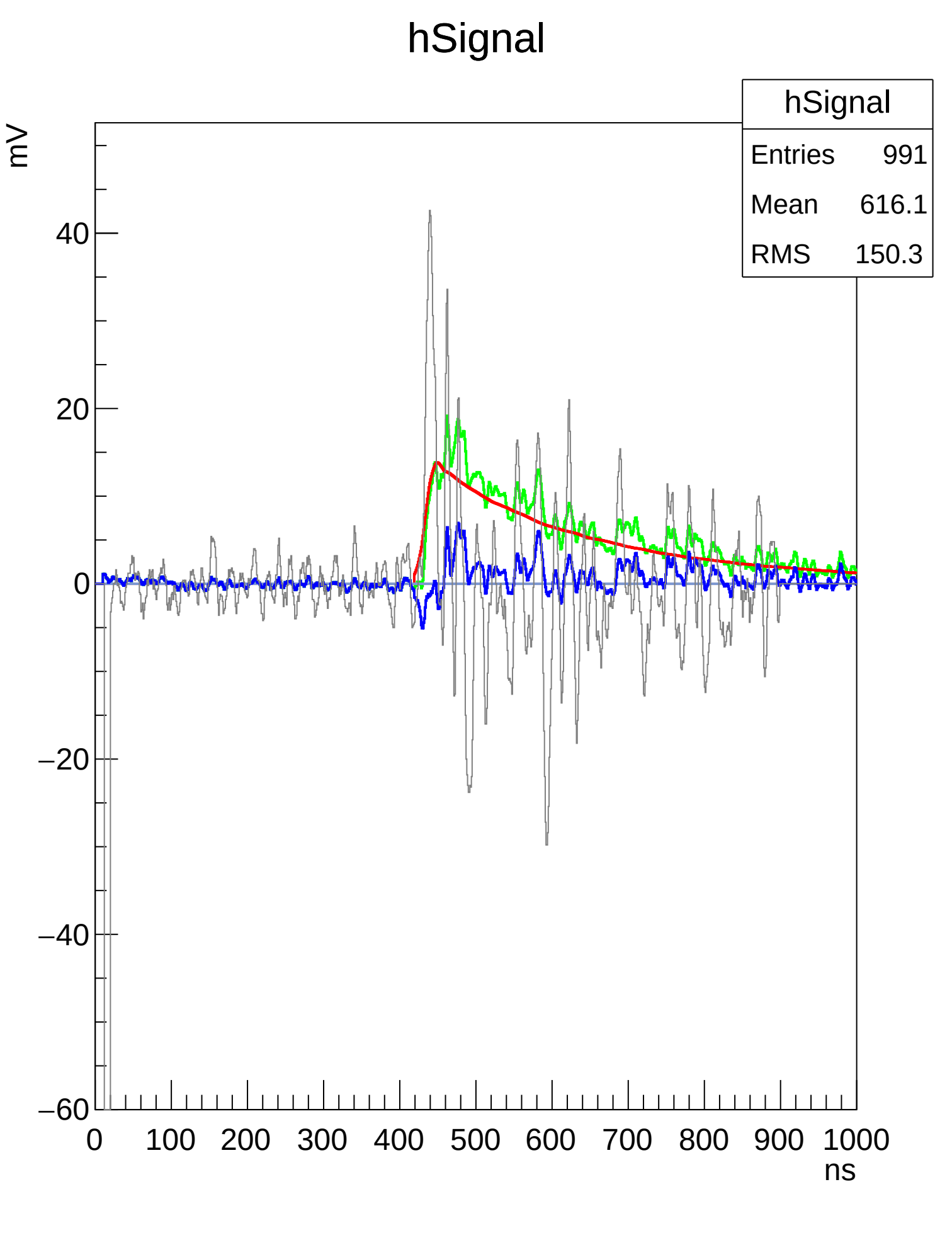
1000
ns


hSignal
hSignal
Entries 991
Mean 610.5
RMS 152.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.1
RMS 150.3
mV
40
20
0
−20
−40
−60
0
100
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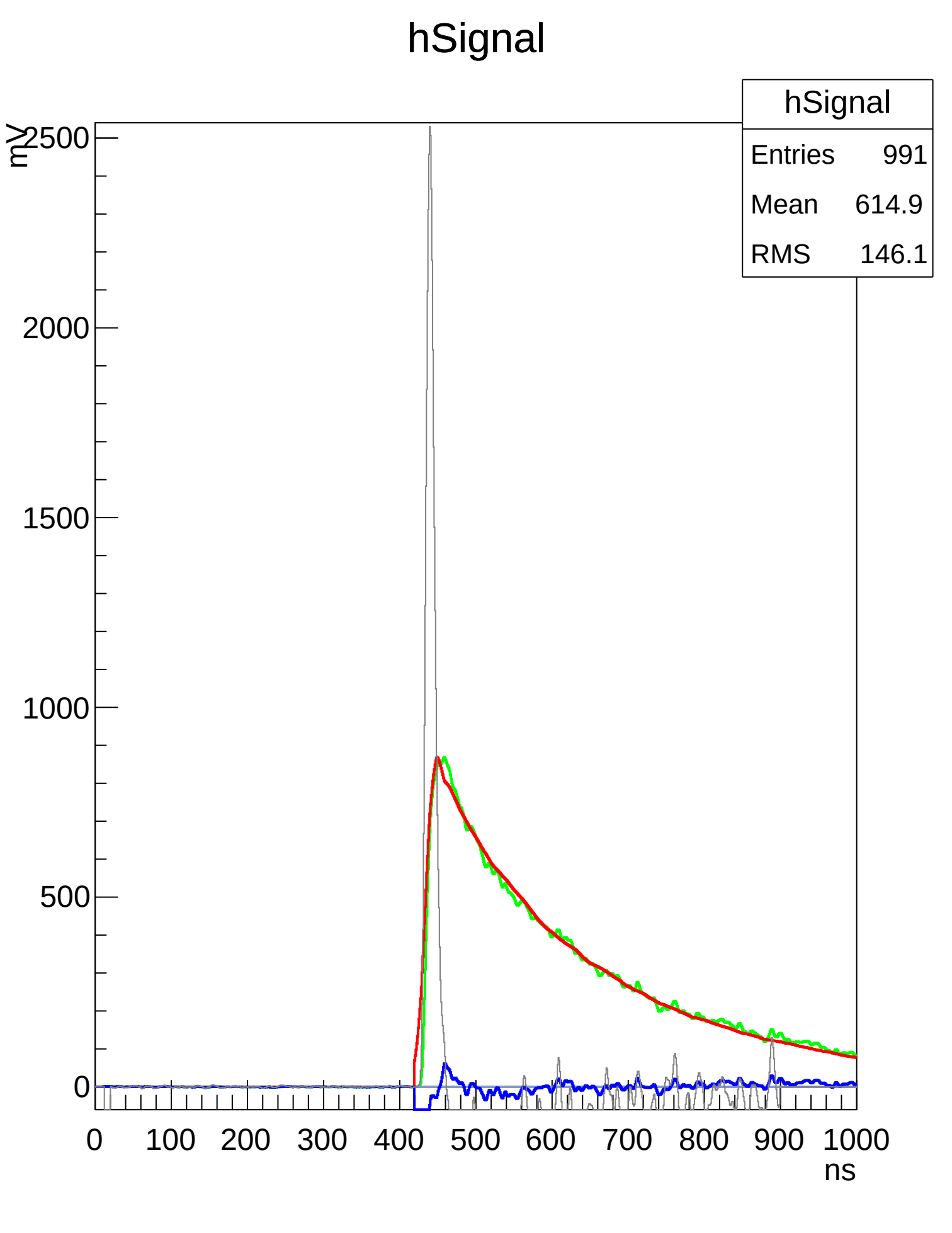
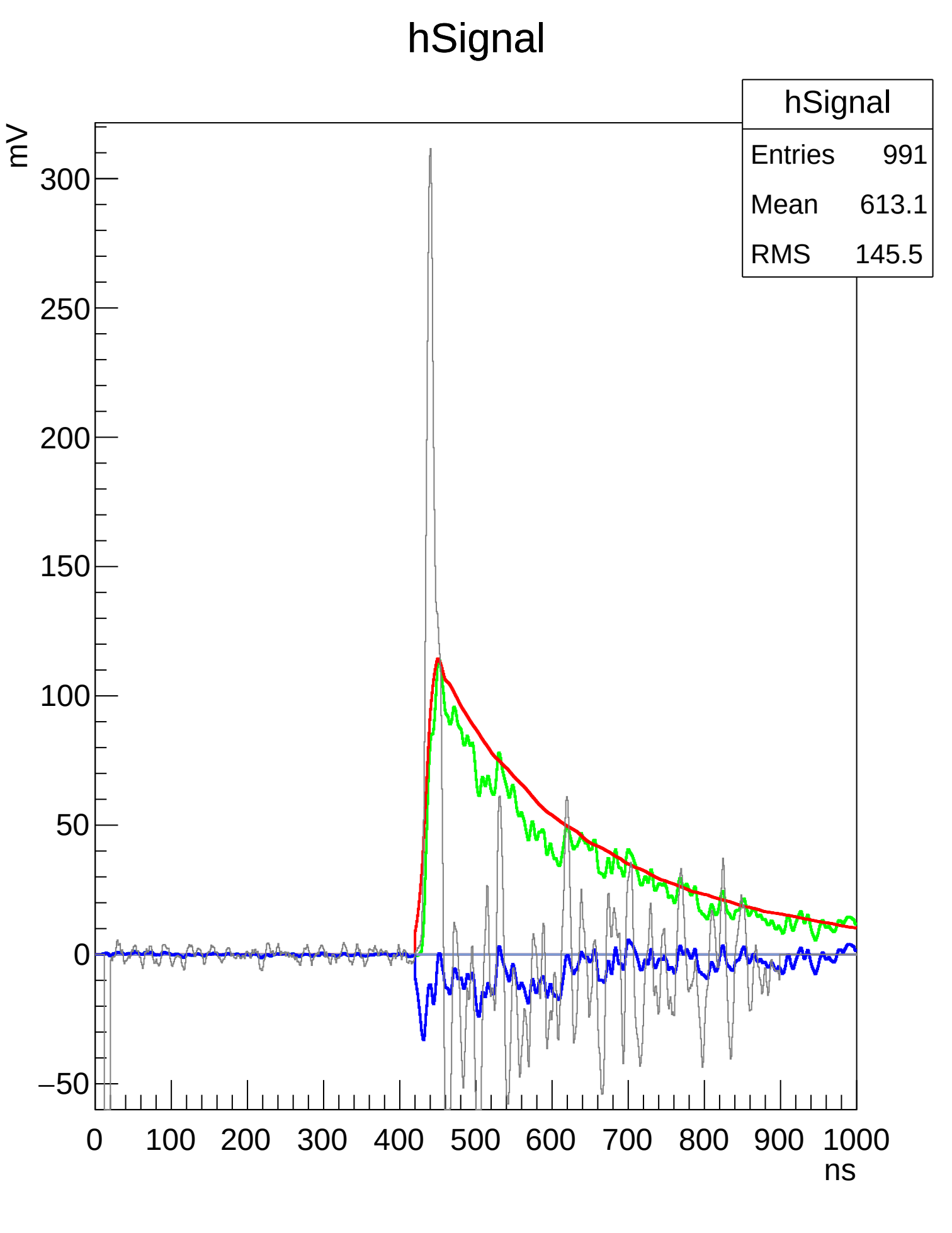
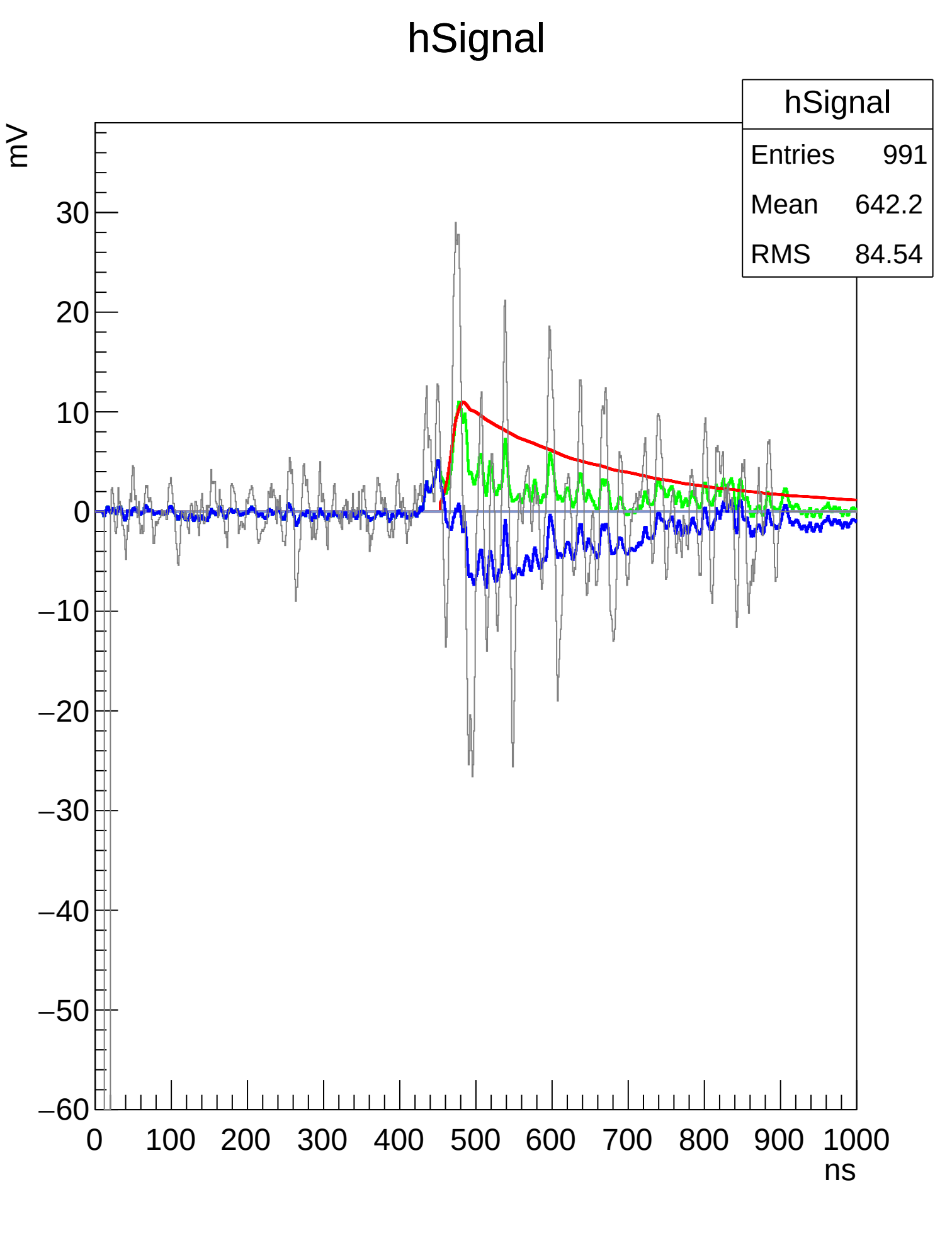
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.9
RMS 146.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.1
RMS 145.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 642.2
RMS 84.54
mV
30
20
10
0
−10
−20
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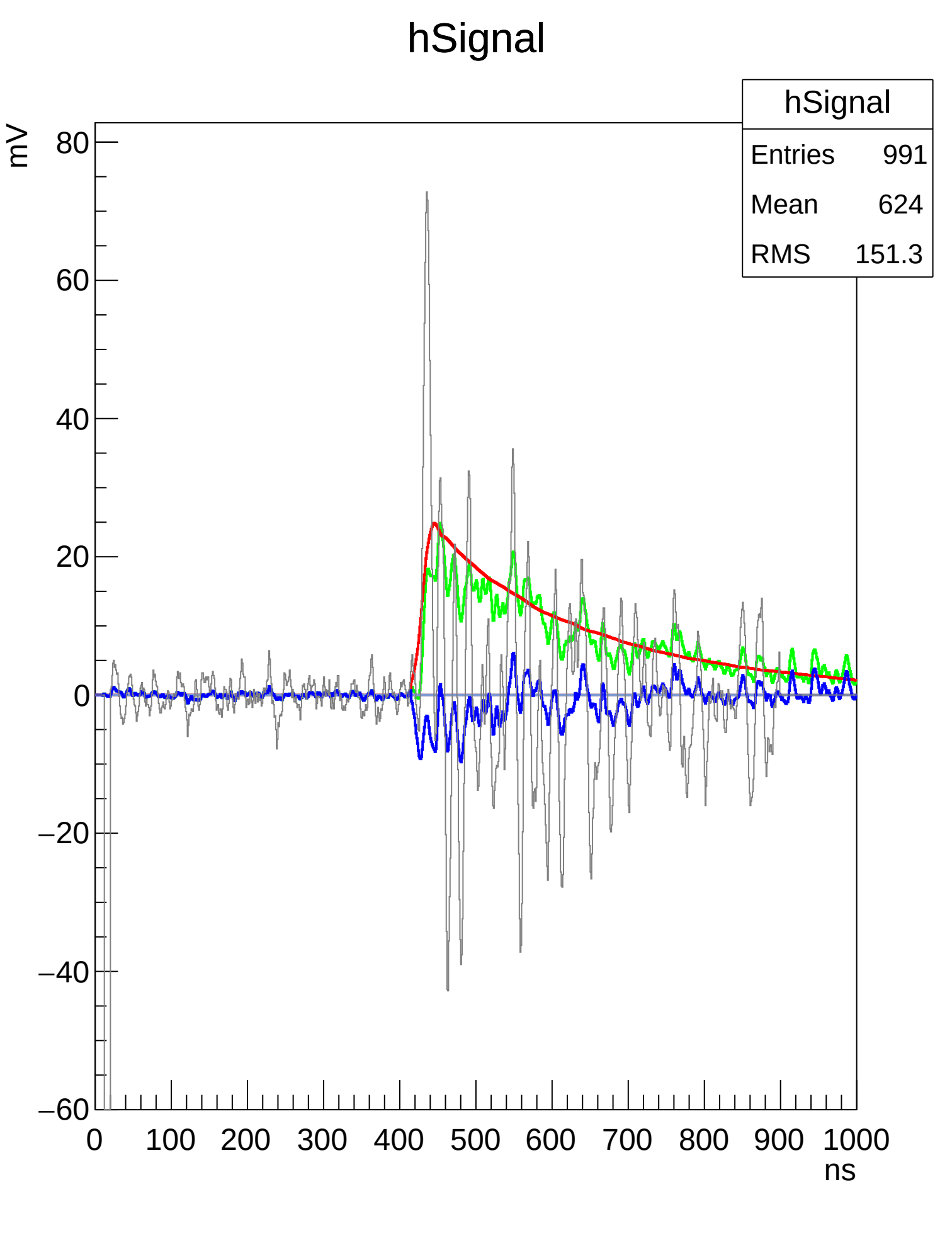
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 624
RMS 151.3
mV
80
60
40
20
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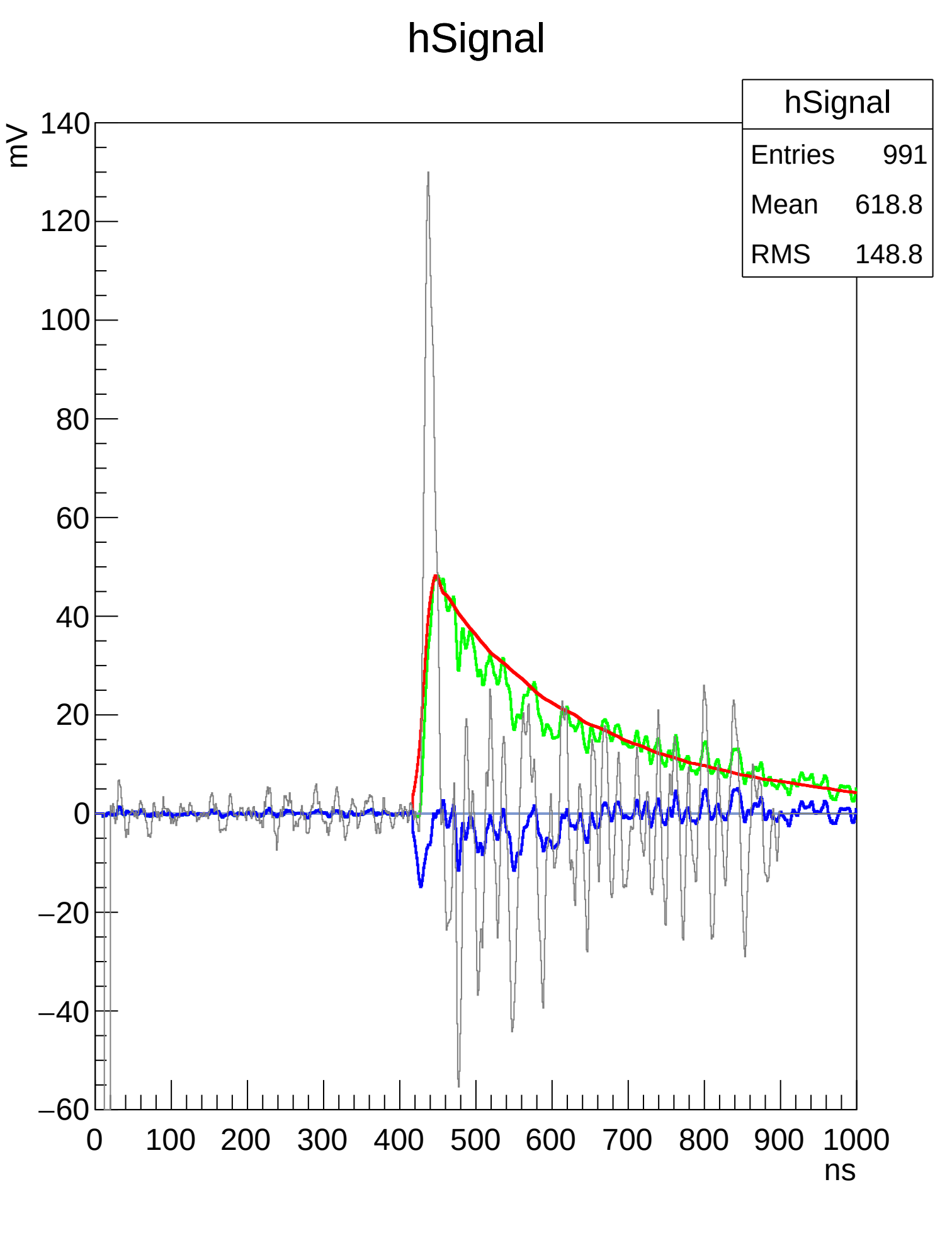
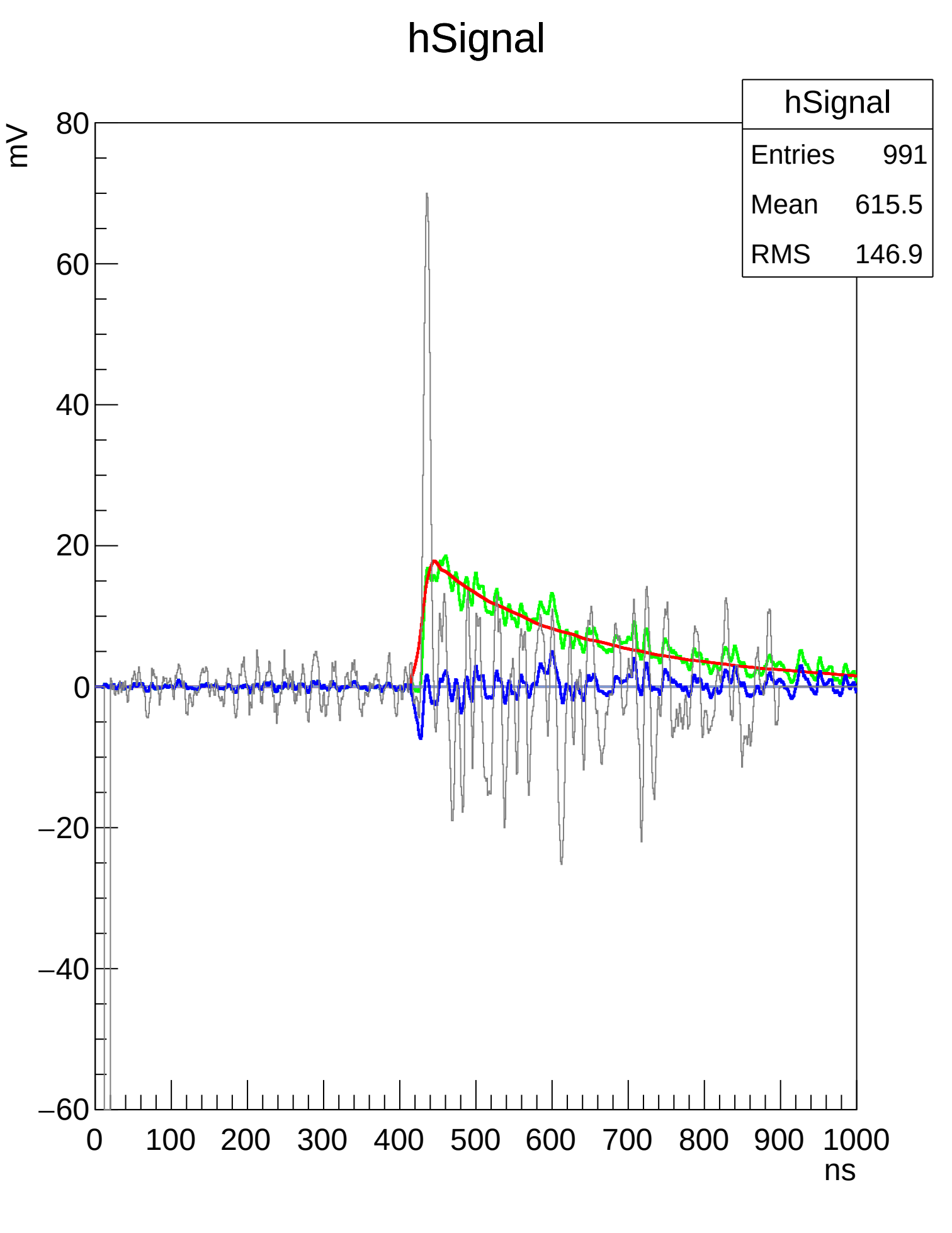
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.8
RMS 148.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.5
RMS 146.9
mV
80
60
40
20
0
−20
−40
−60
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100
200
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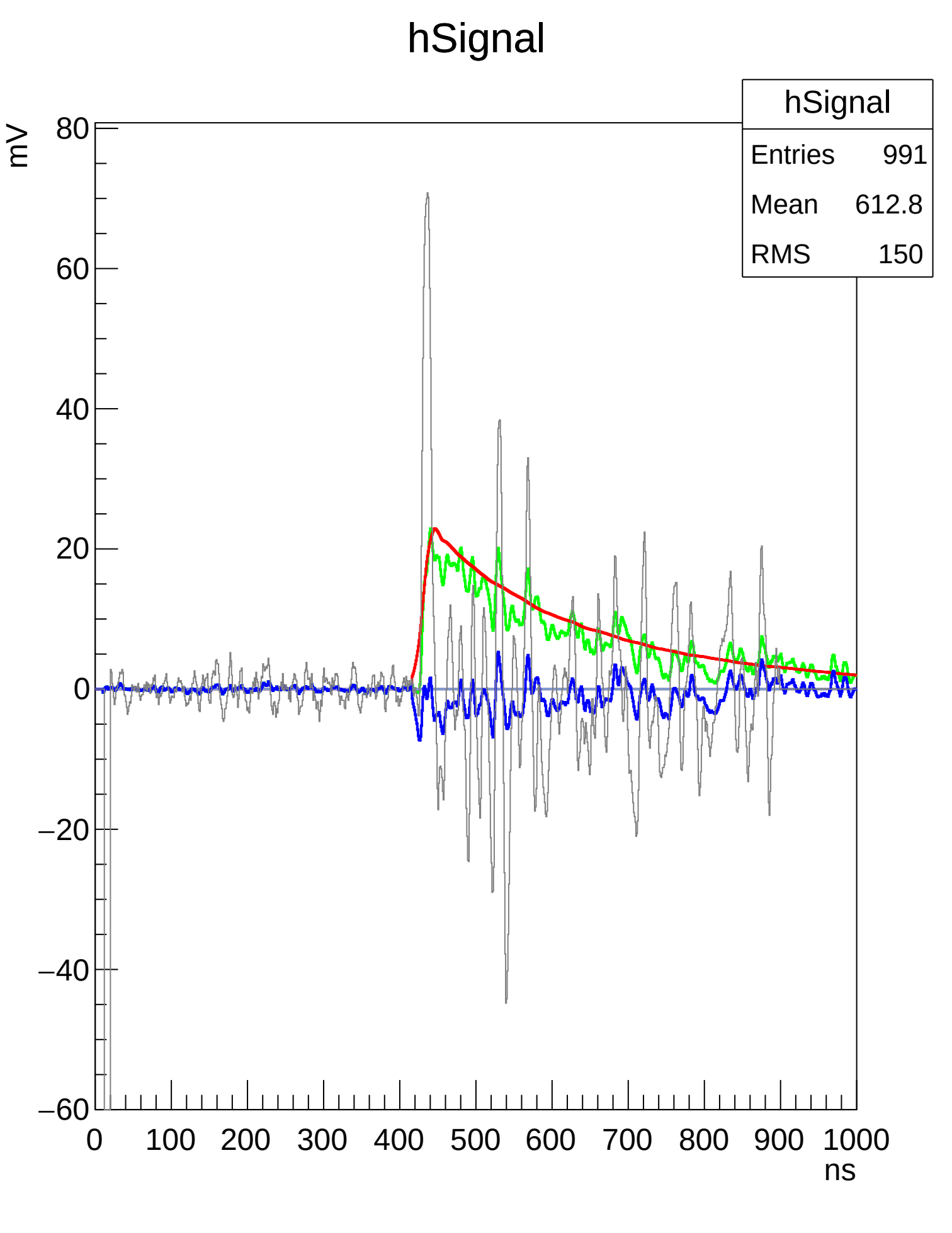
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.8
RMS 150
mV
80
60
40
20
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−20
−40
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0
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400
500
600
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800
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1000
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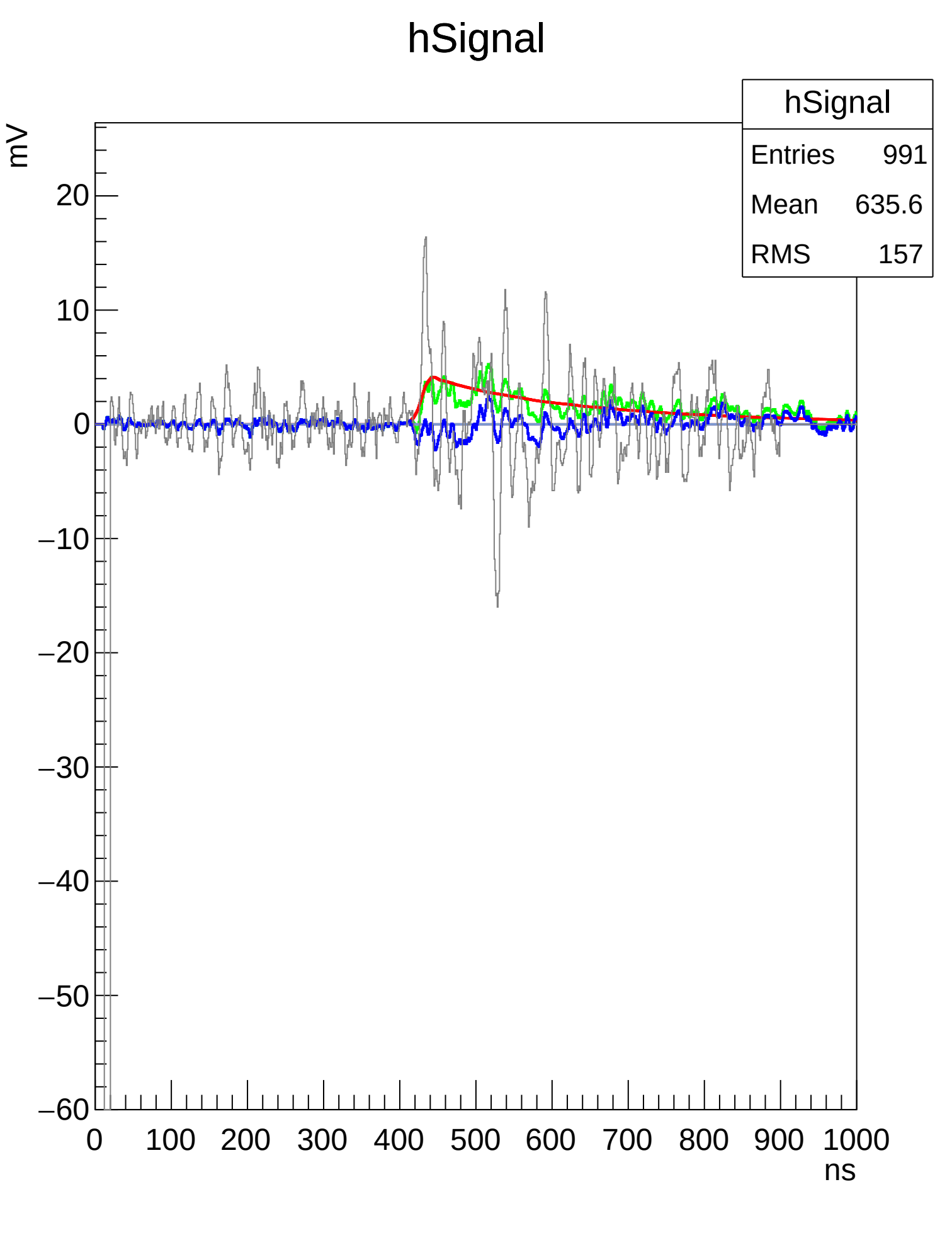
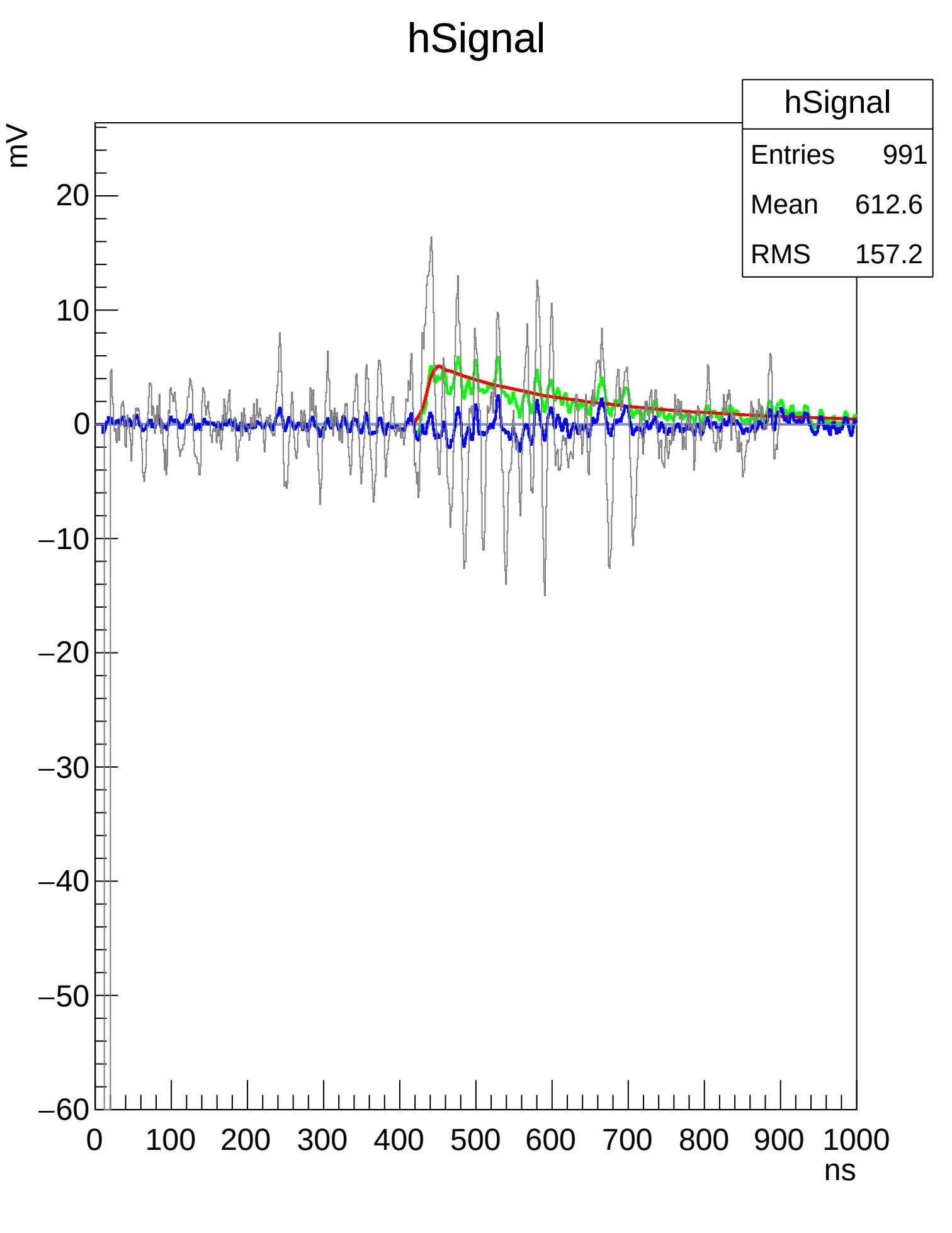
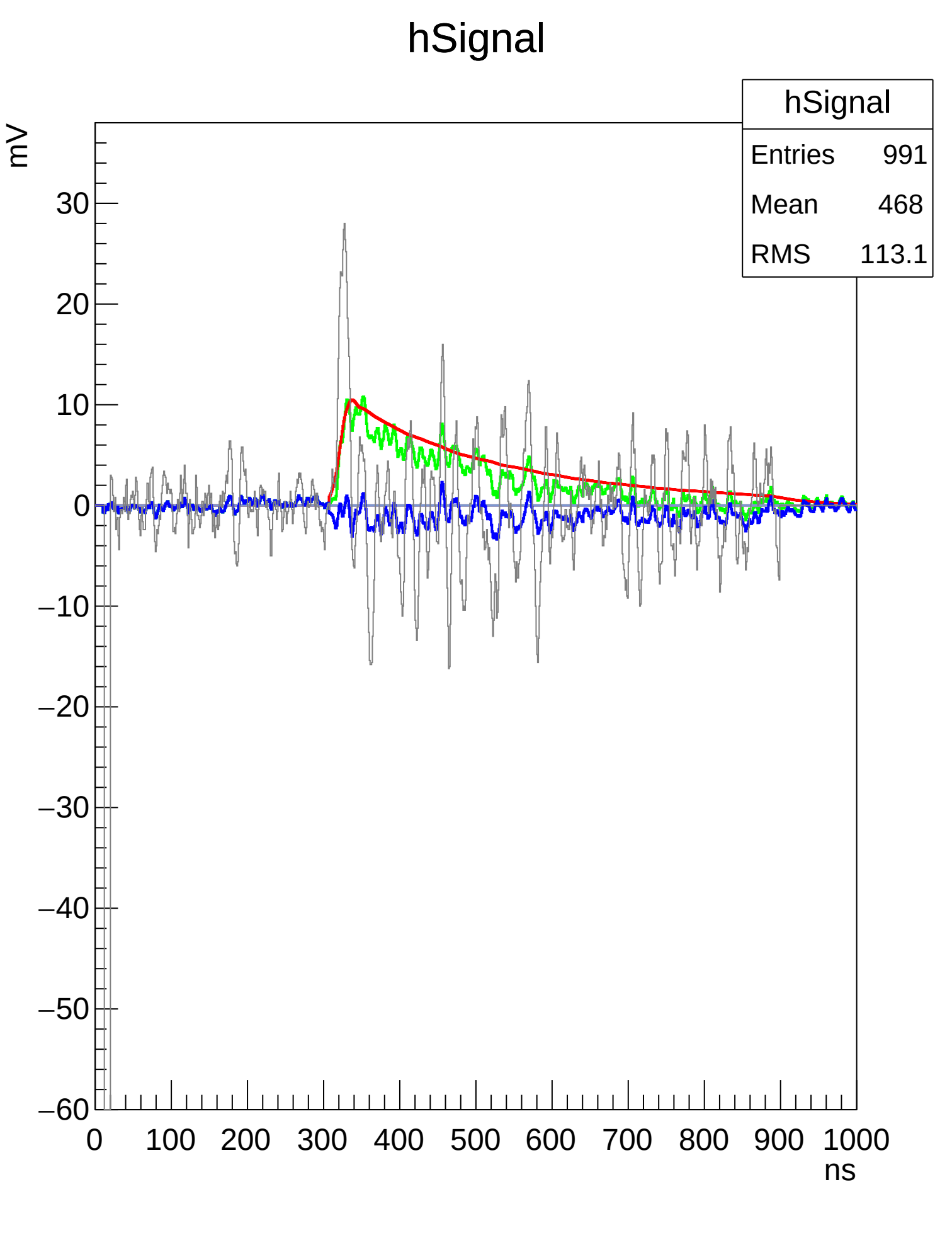

hSignal
hSignal
Entries 991
Mean 635.6
RMS 157
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.6
RMS 157.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 468
RMS 113.1
mV
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20
10
0
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−20
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−40
−50
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0
100
200
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400
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600
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800
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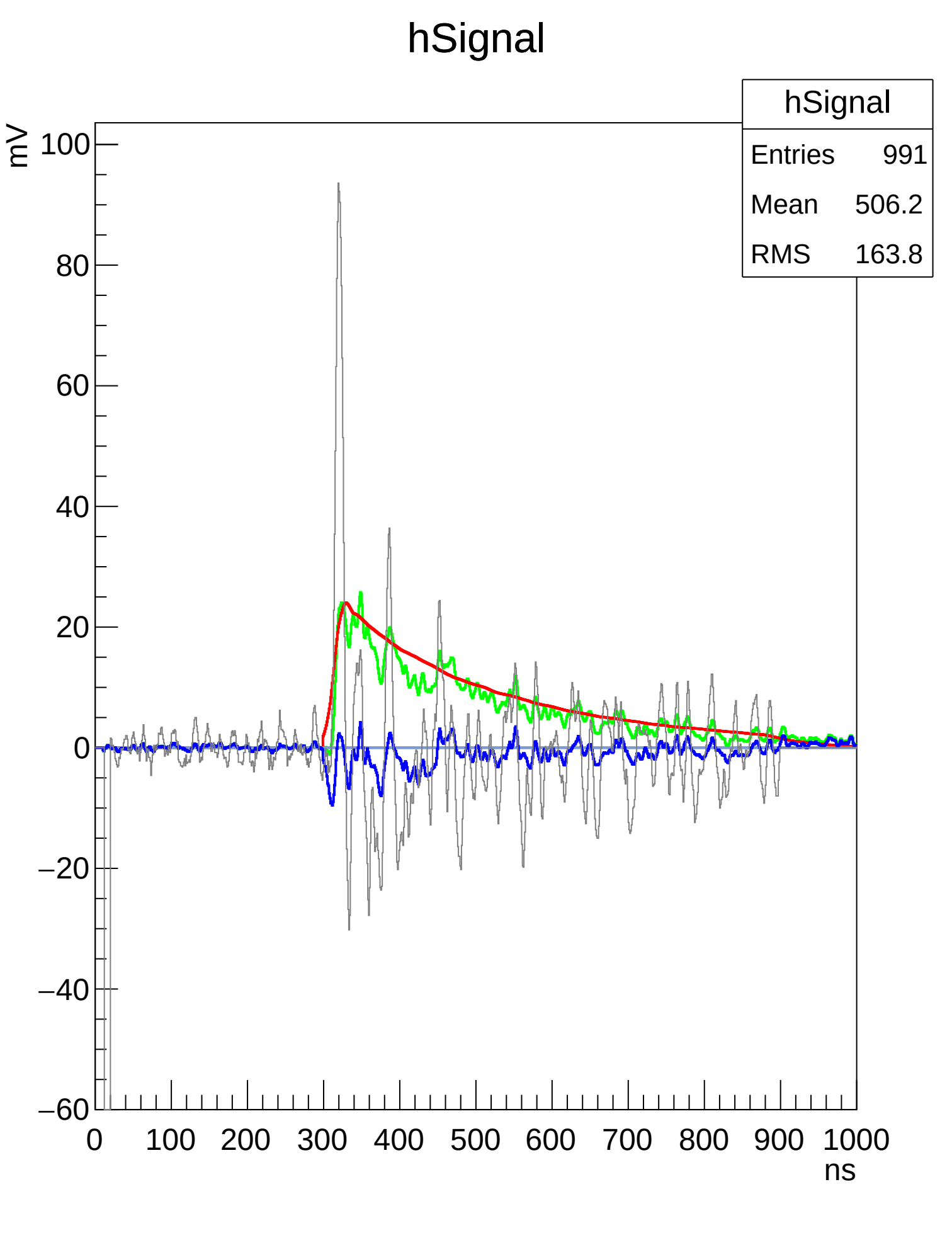
1000
ns


hSignal
hSignal
Entries 991
Mean 506.2
RMS 163.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
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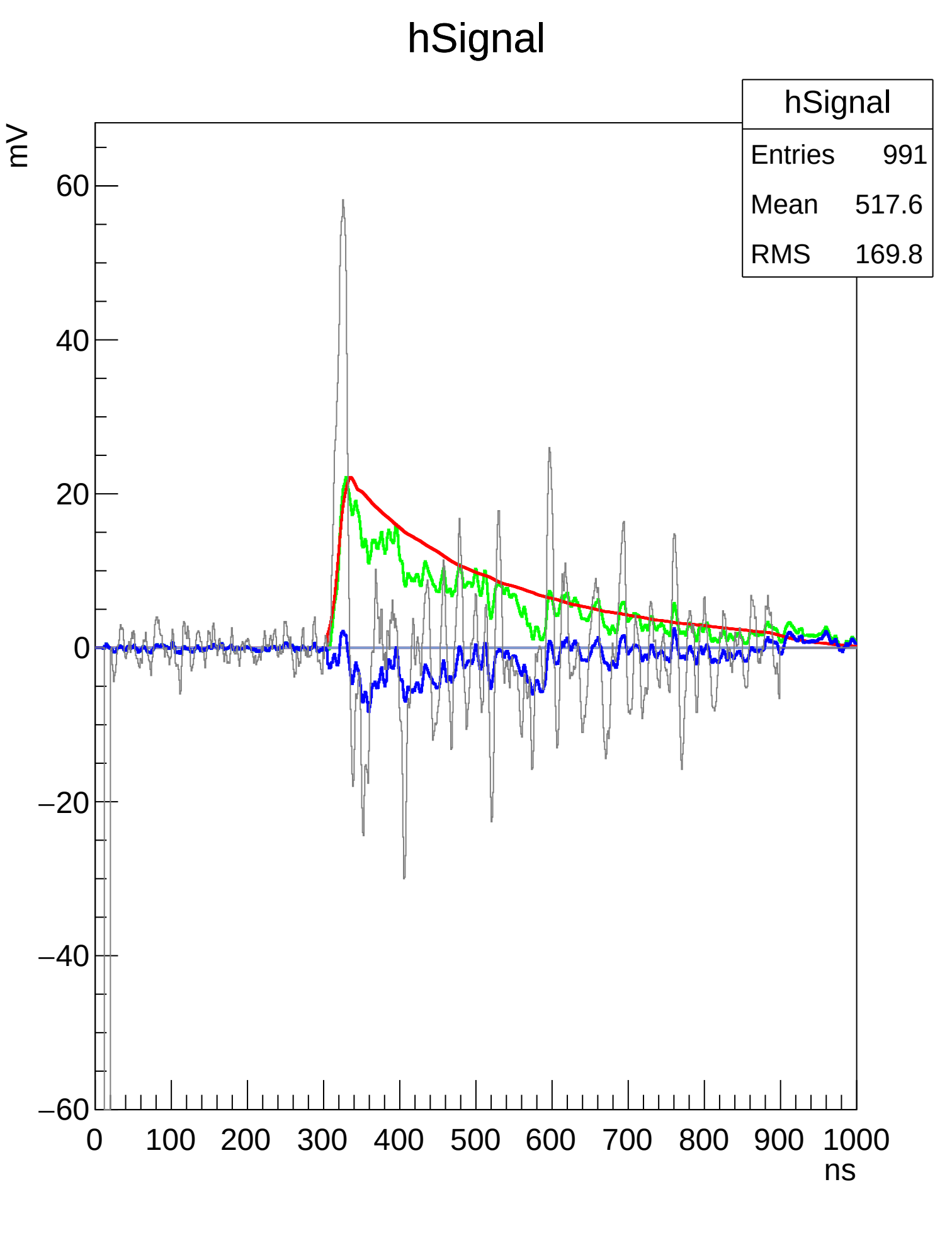
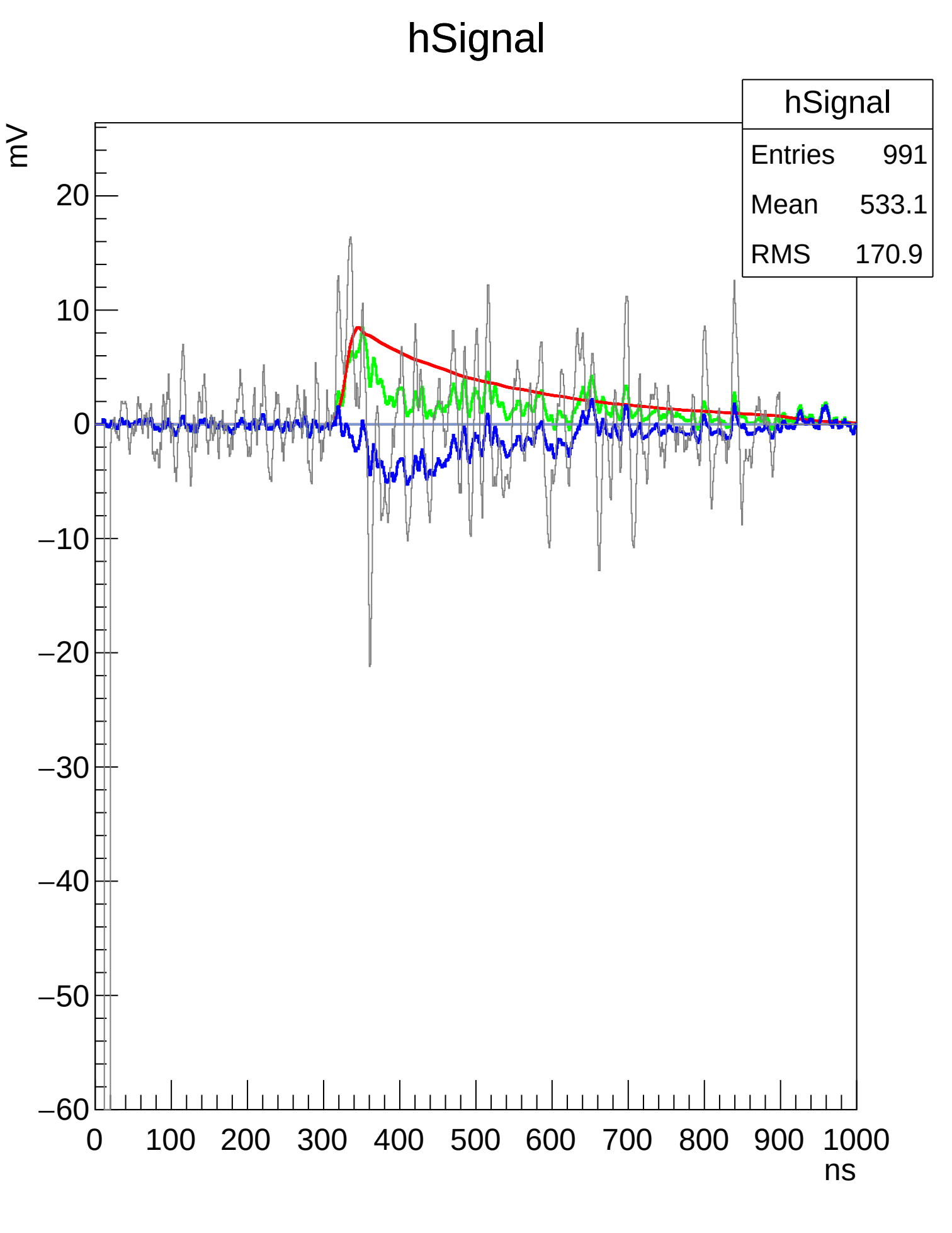
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.6
RMS 169.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.1
RMS 170.9
mV
20
10
0
−10
−20
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−40
−50
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0
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200
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400
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600
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1000
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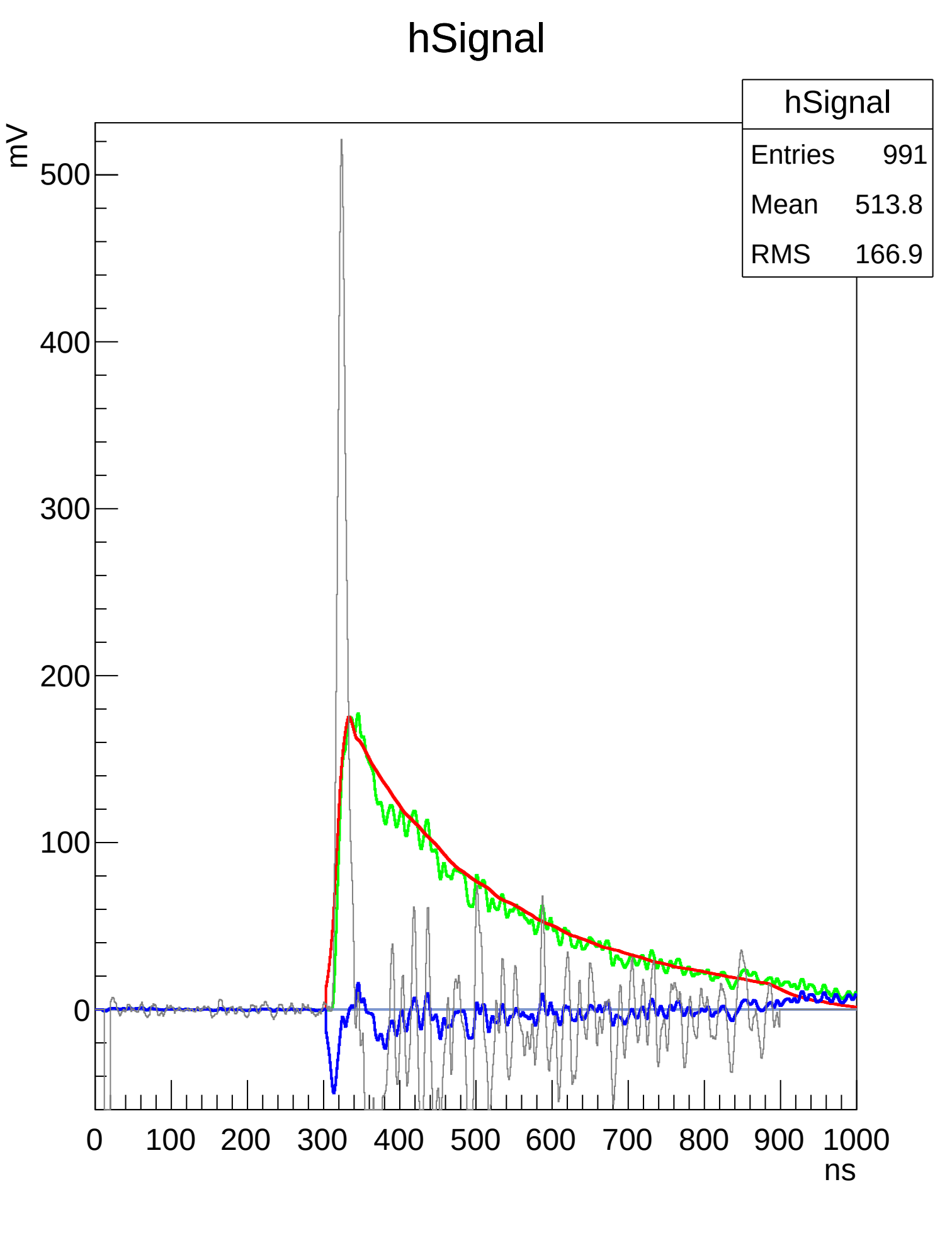
hSignal
hSignal
Entries 991
Mean 513.8
RMS 166.9
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
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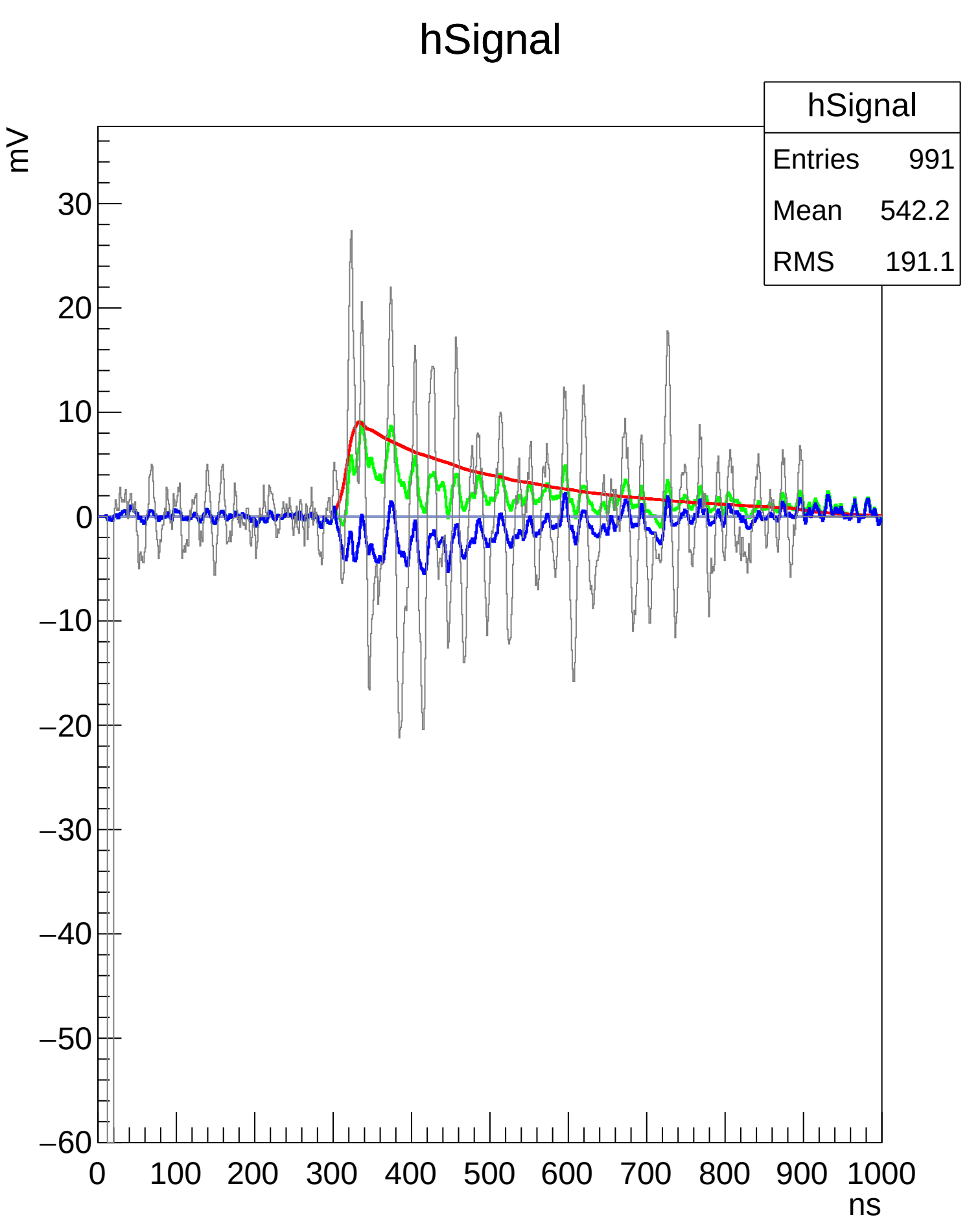
1000
ns


hSignal
hSignal
Entries 991
Mean 542.2
RMS 191.1
mV
30
20
10
0
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−20
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−50
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0
100
200
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600
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800
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1000
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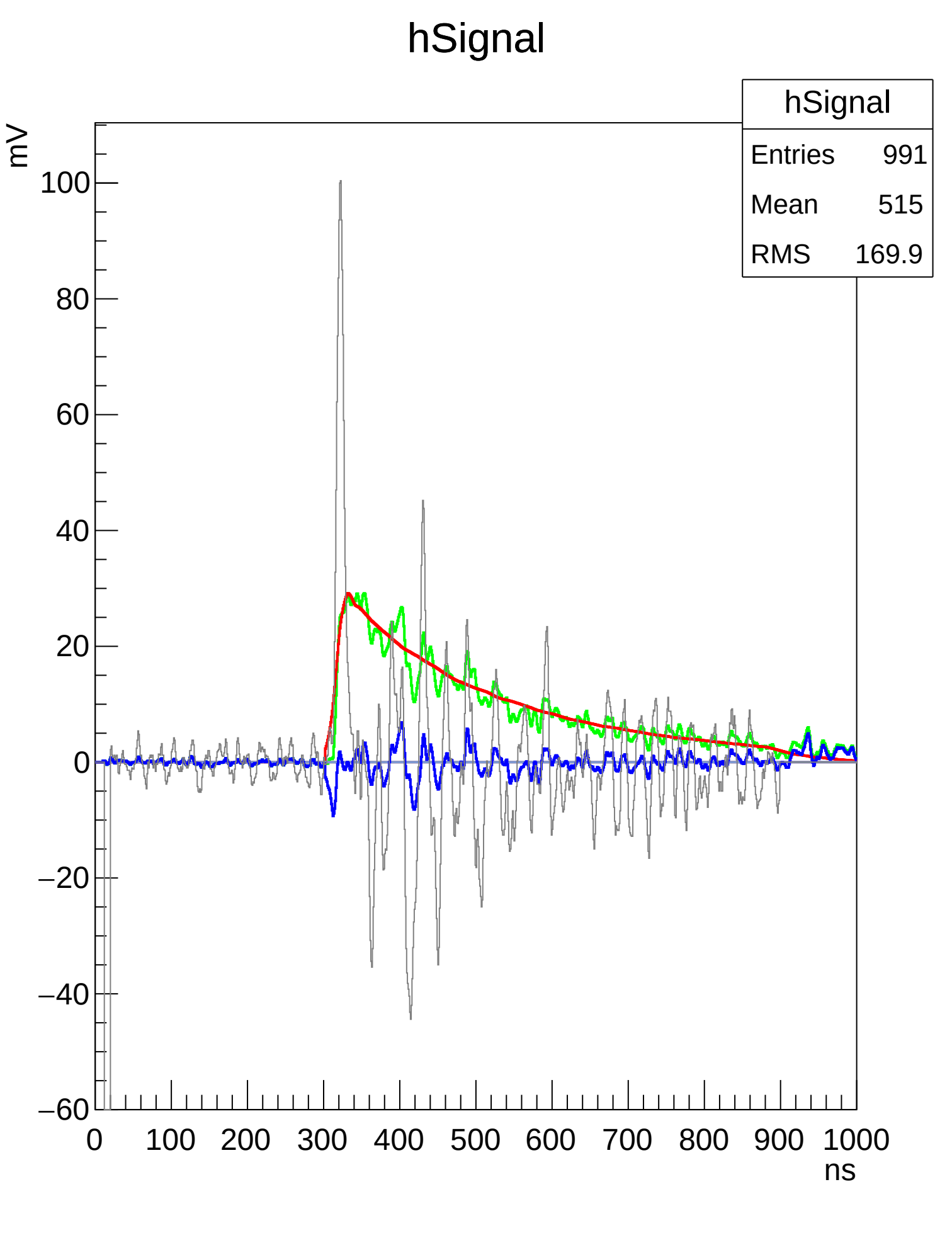
hSignal
hSignal
Entries 991
Mean 515
RMS 169.9
mV
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0
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800
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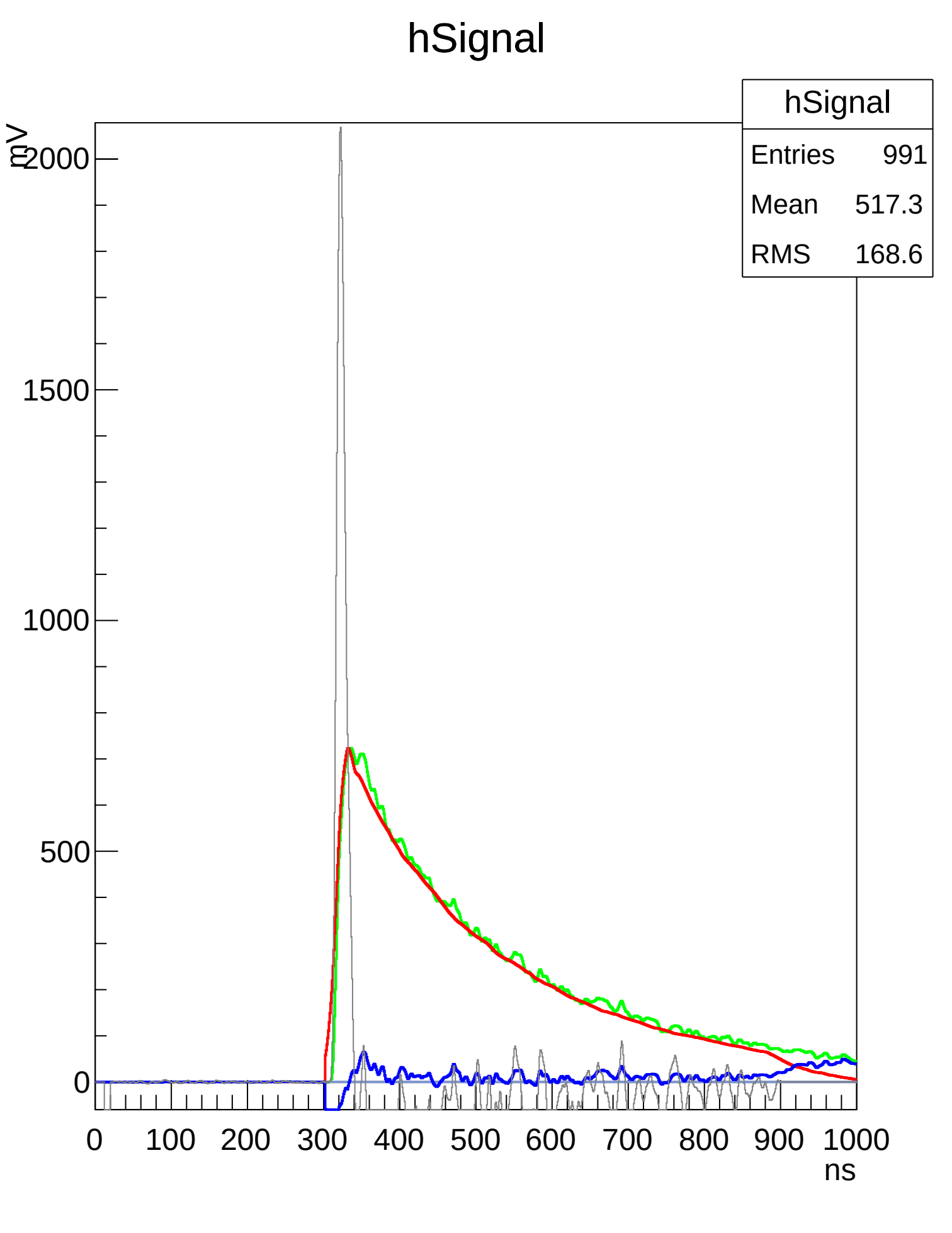
hSignal
hSignal
Entries 991
Mean 517.3
RMS 168.6
mV
2000
1500
1000
500
0
0
100
200
300
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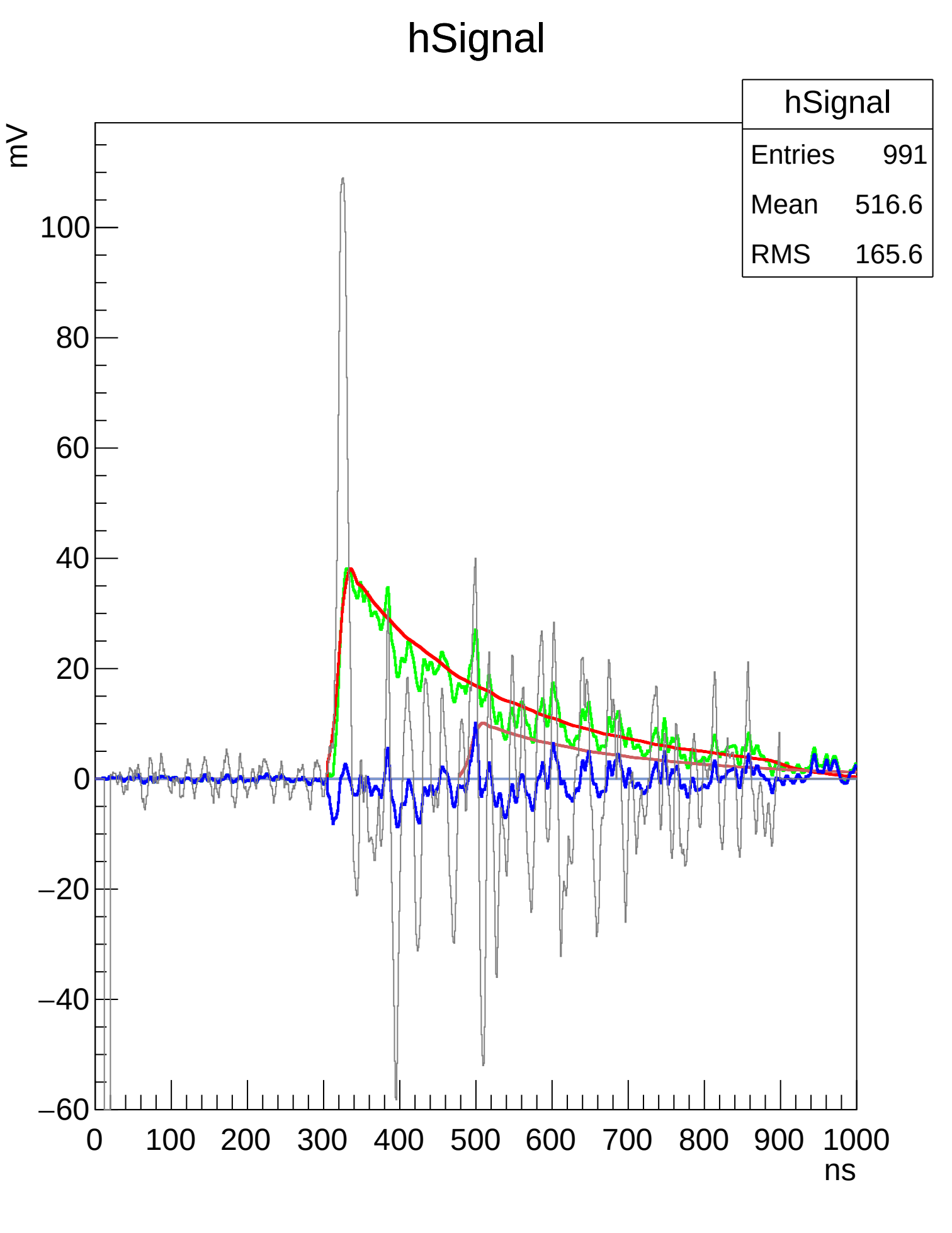
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516.6
RMS 165.6
mV
100
80
60
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100
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400
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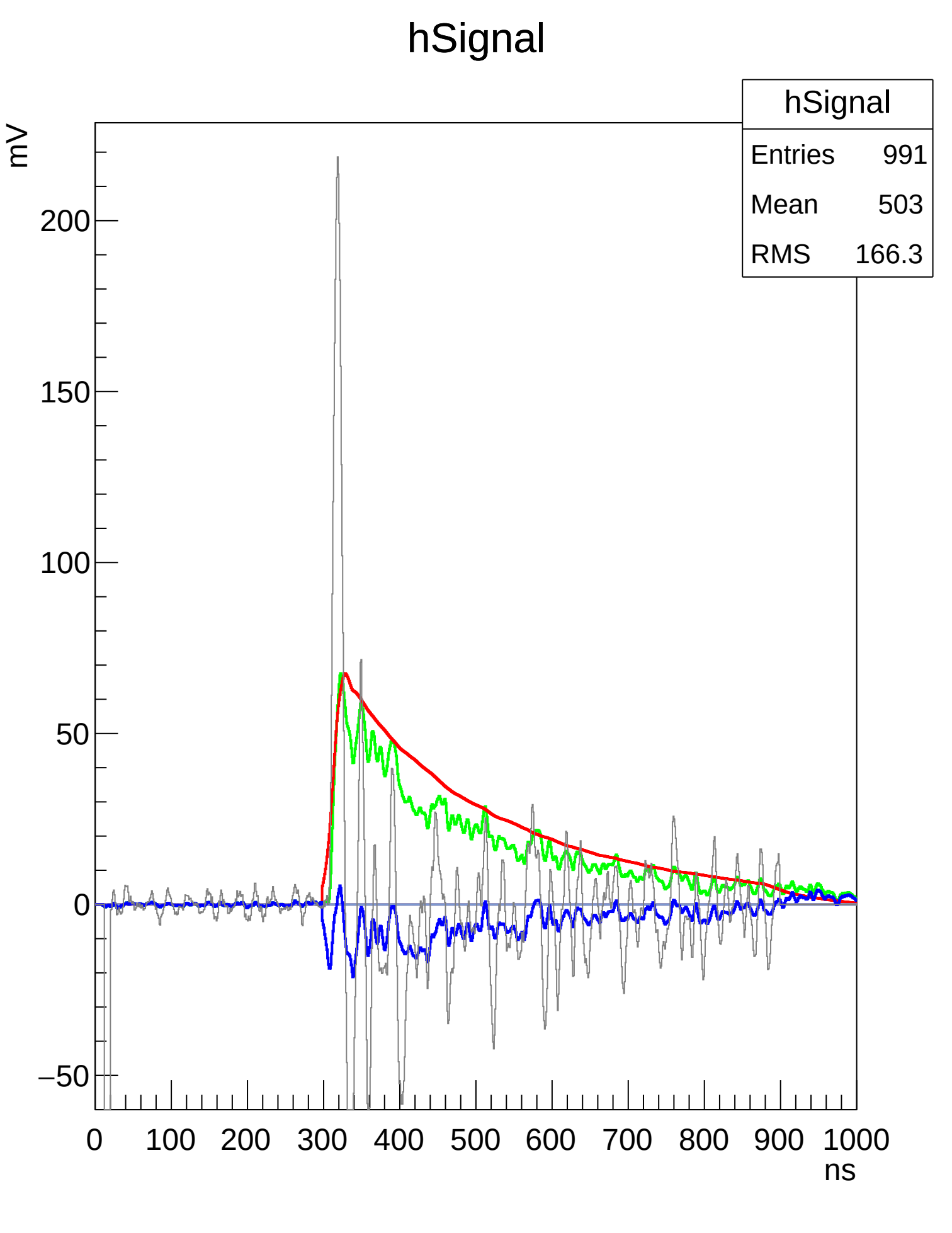
1000
ns


hSignal
hSignal
Entries 991
Mean 503
RMS 166.3
mV
200
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100
50
0
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0
100
200
300
400
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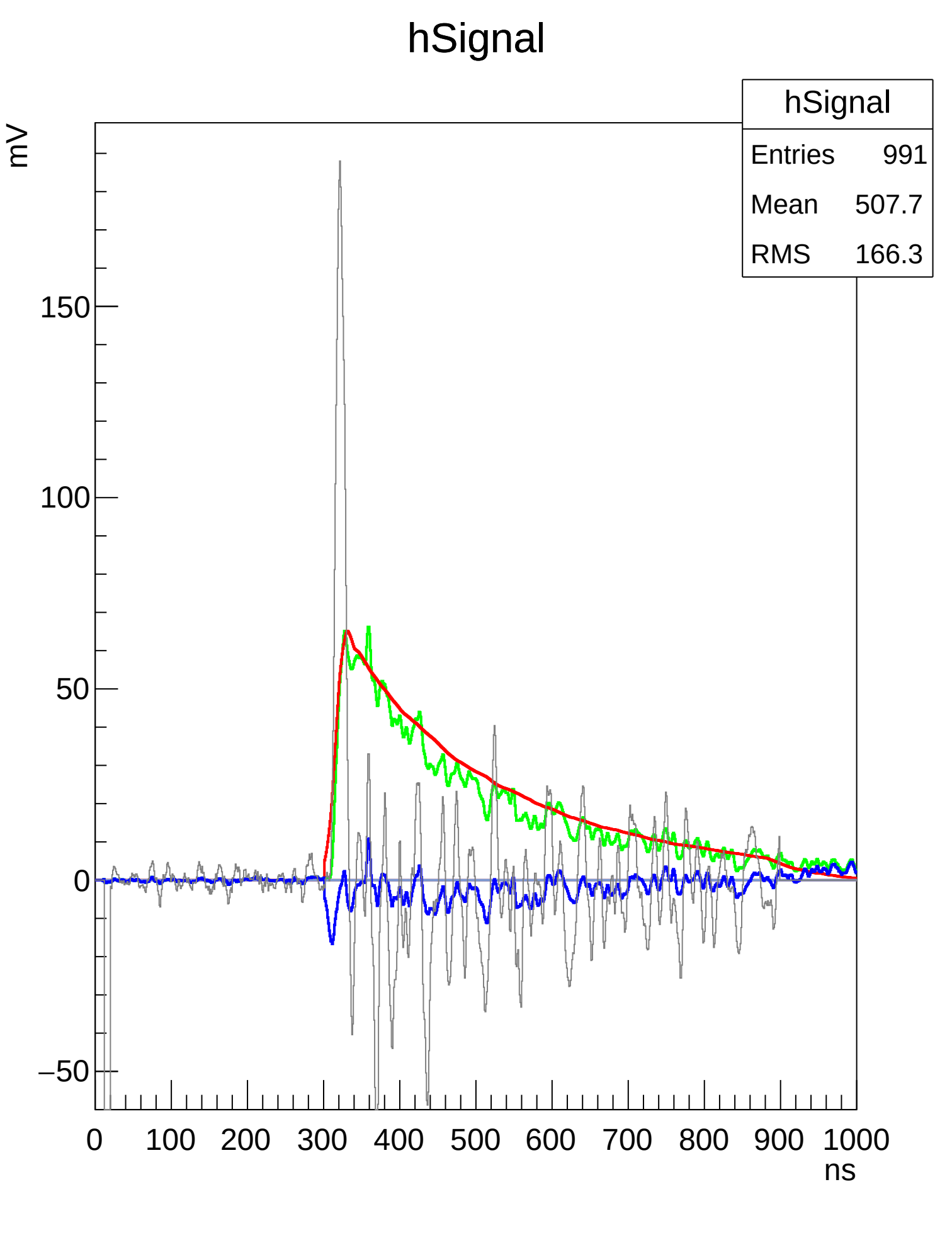
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.7
RMS 166.3
mV
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100
50
0
−50
0
100
200
300
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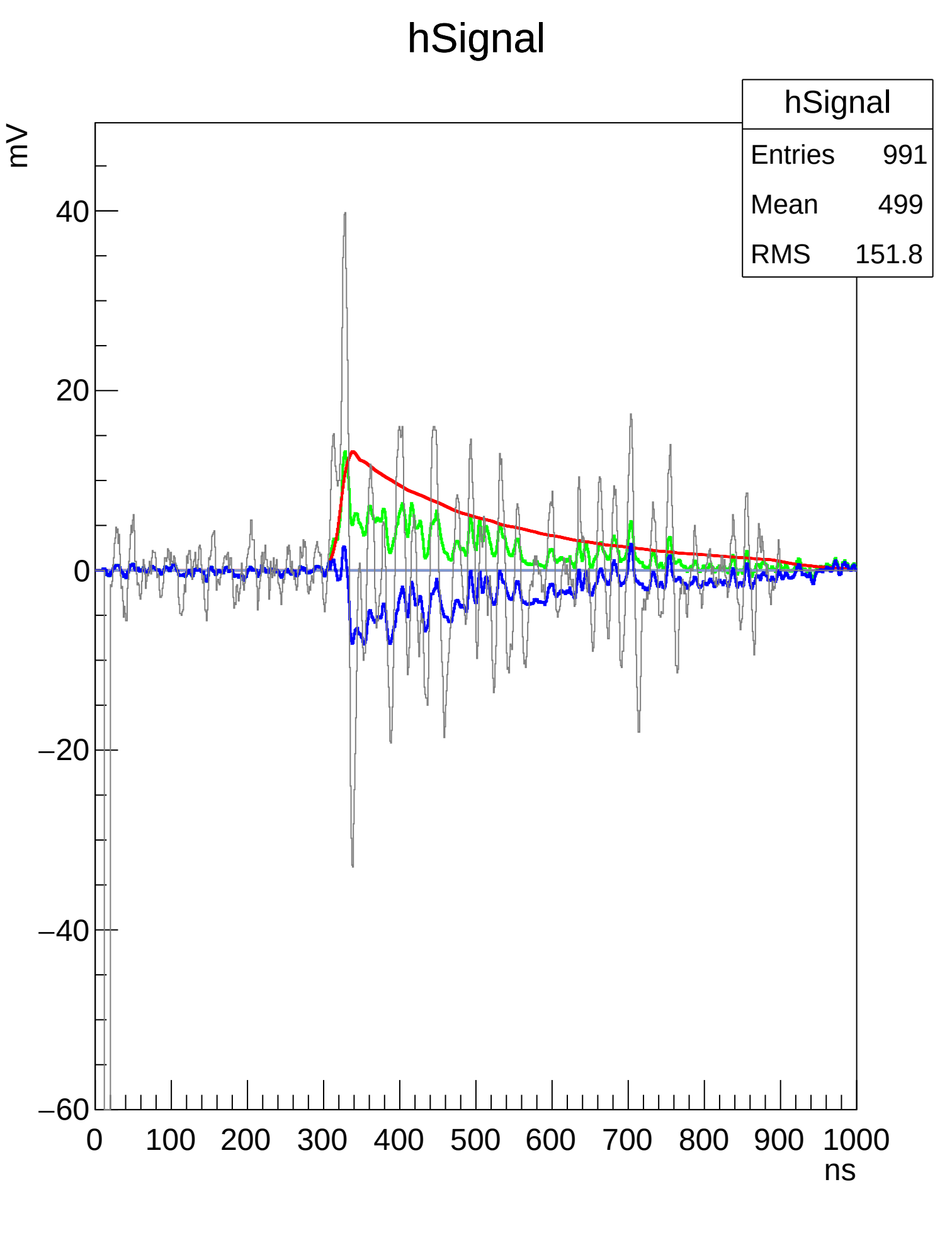
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499
RMS 151.8
mV
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−20
−40
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0
100
200
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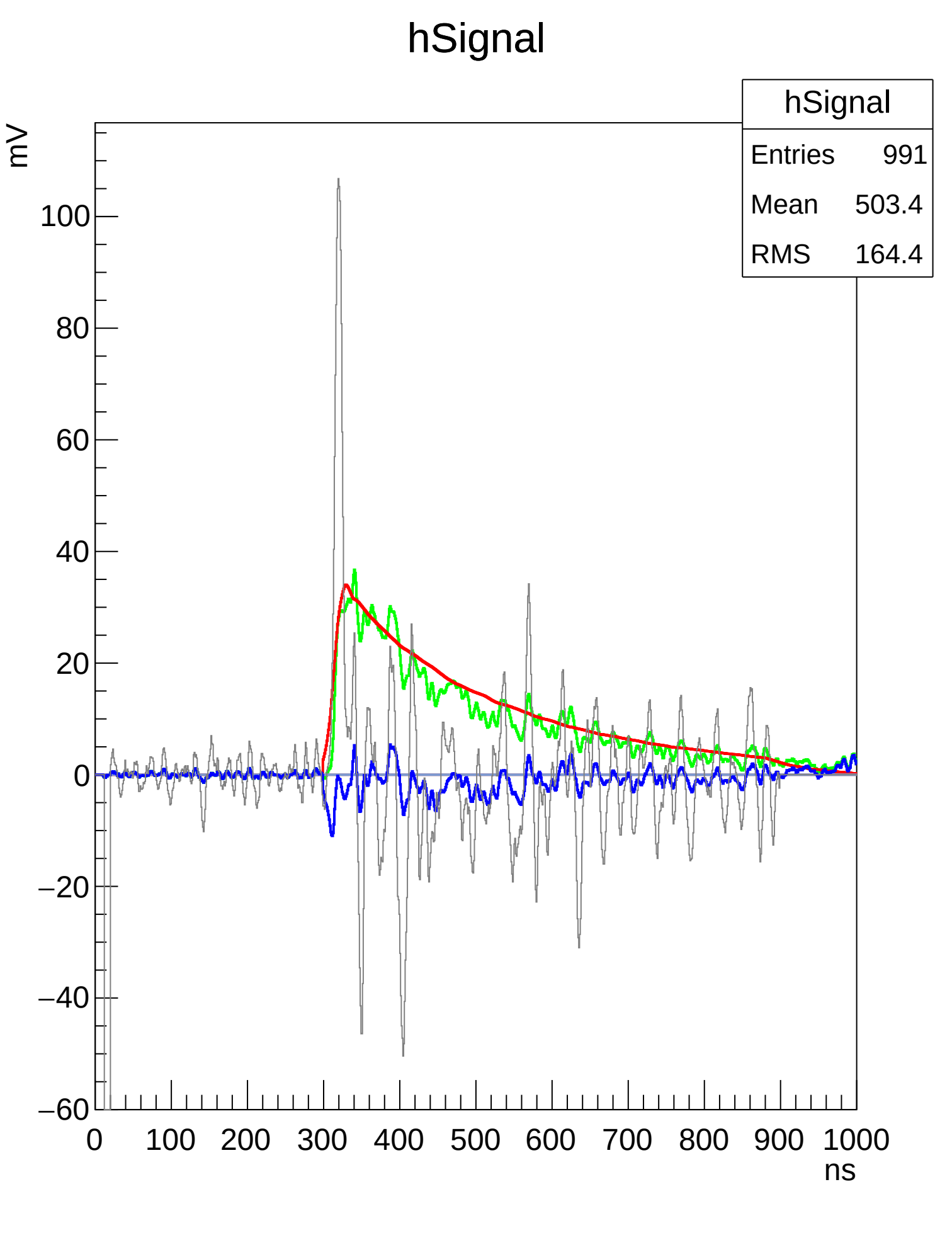
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.4
RMS 164.4
mV
100
80
60
40
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−20
−40
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0
100
200
300
400
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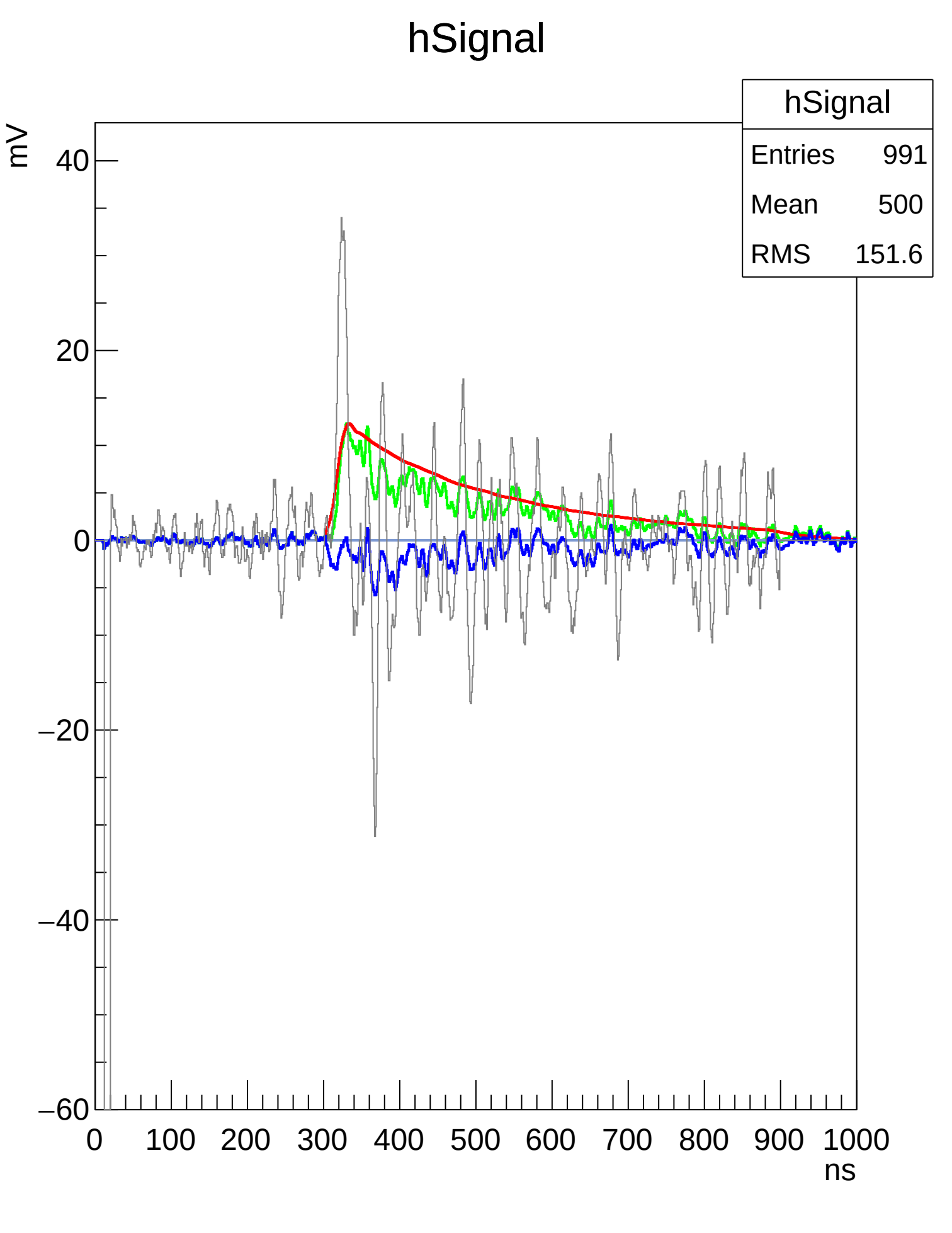
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 500
RMS 151.6
mV
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0
100
200
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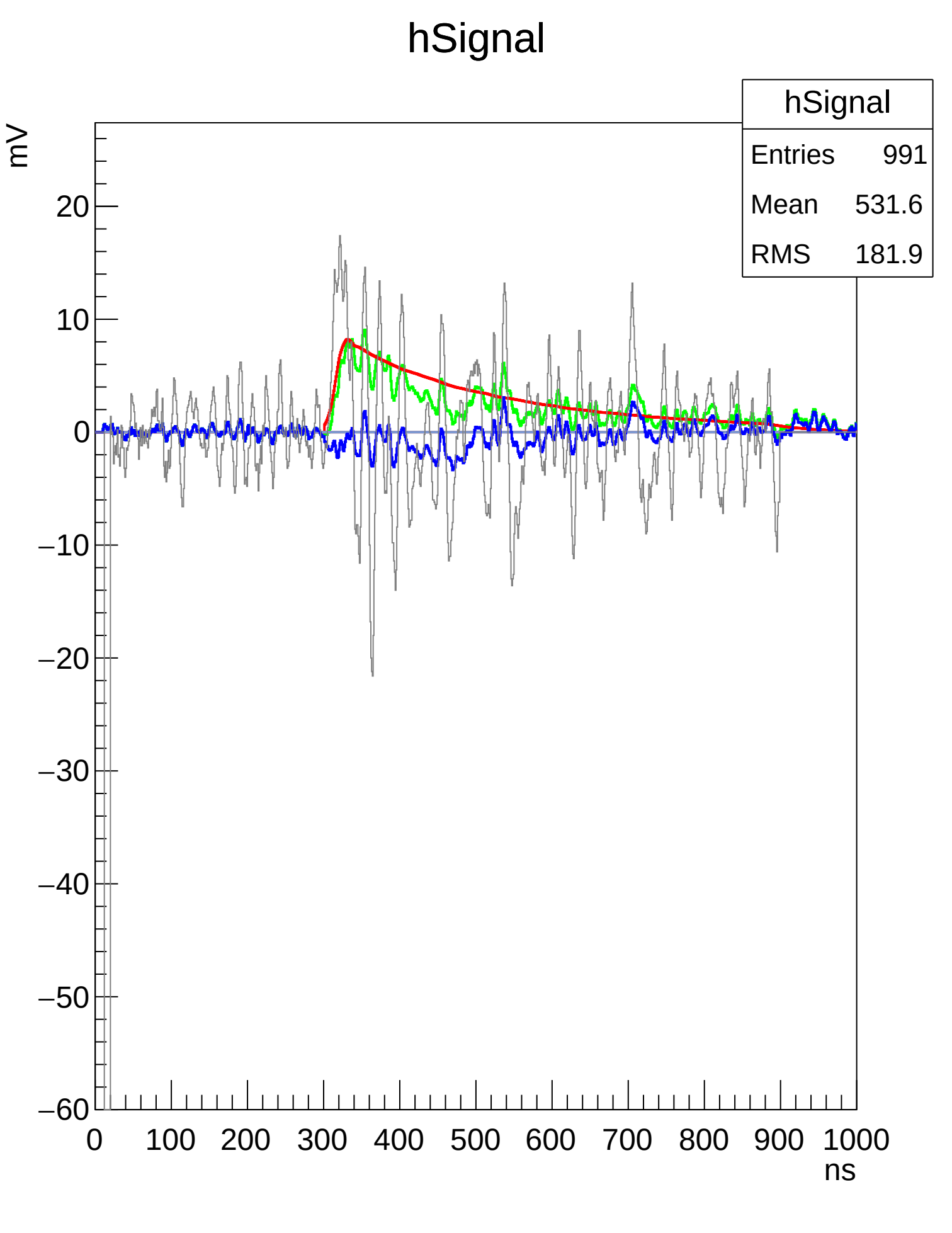
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.6
RMS 181.9
mV
20
10
0
−10
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−50
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600
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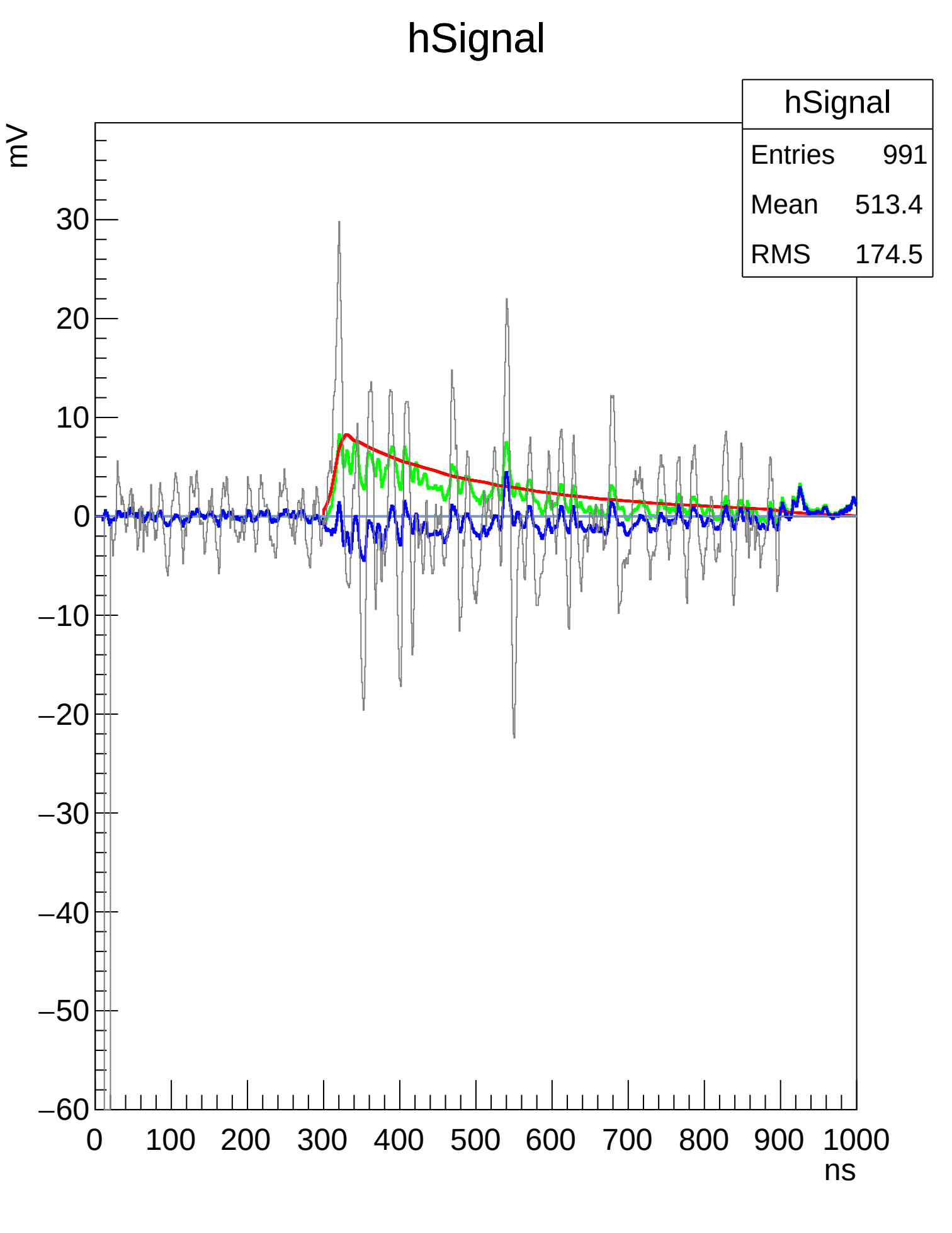
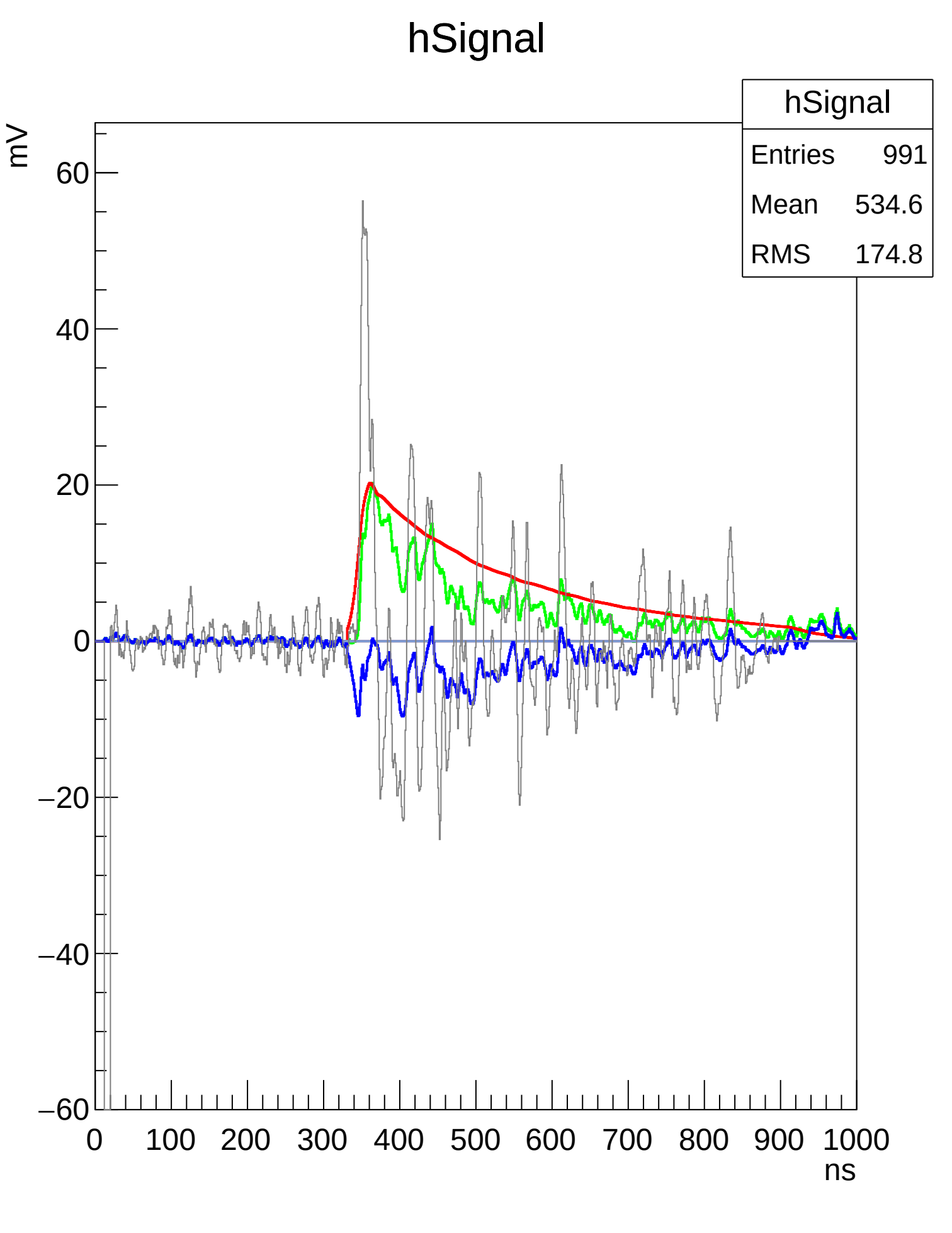
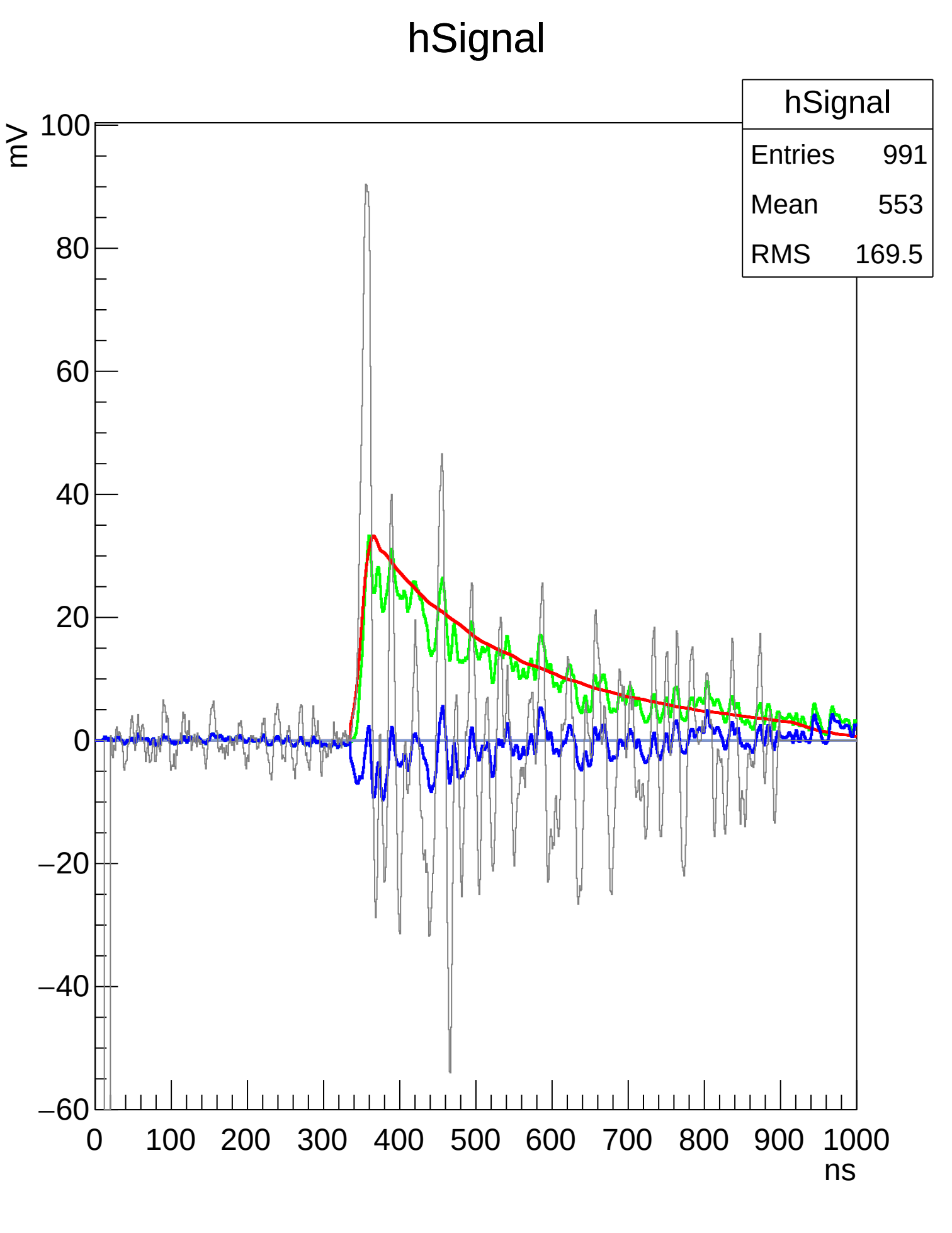
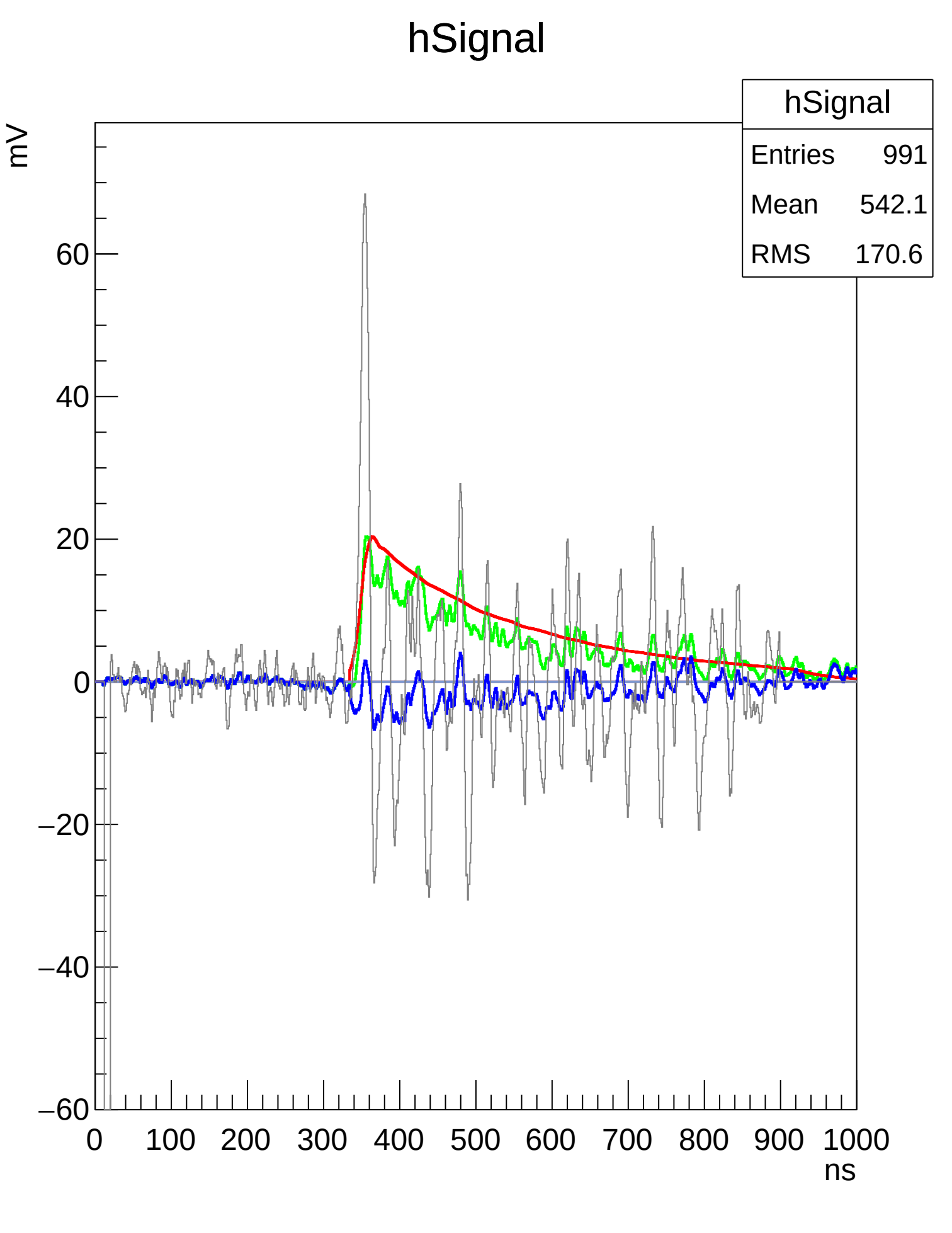
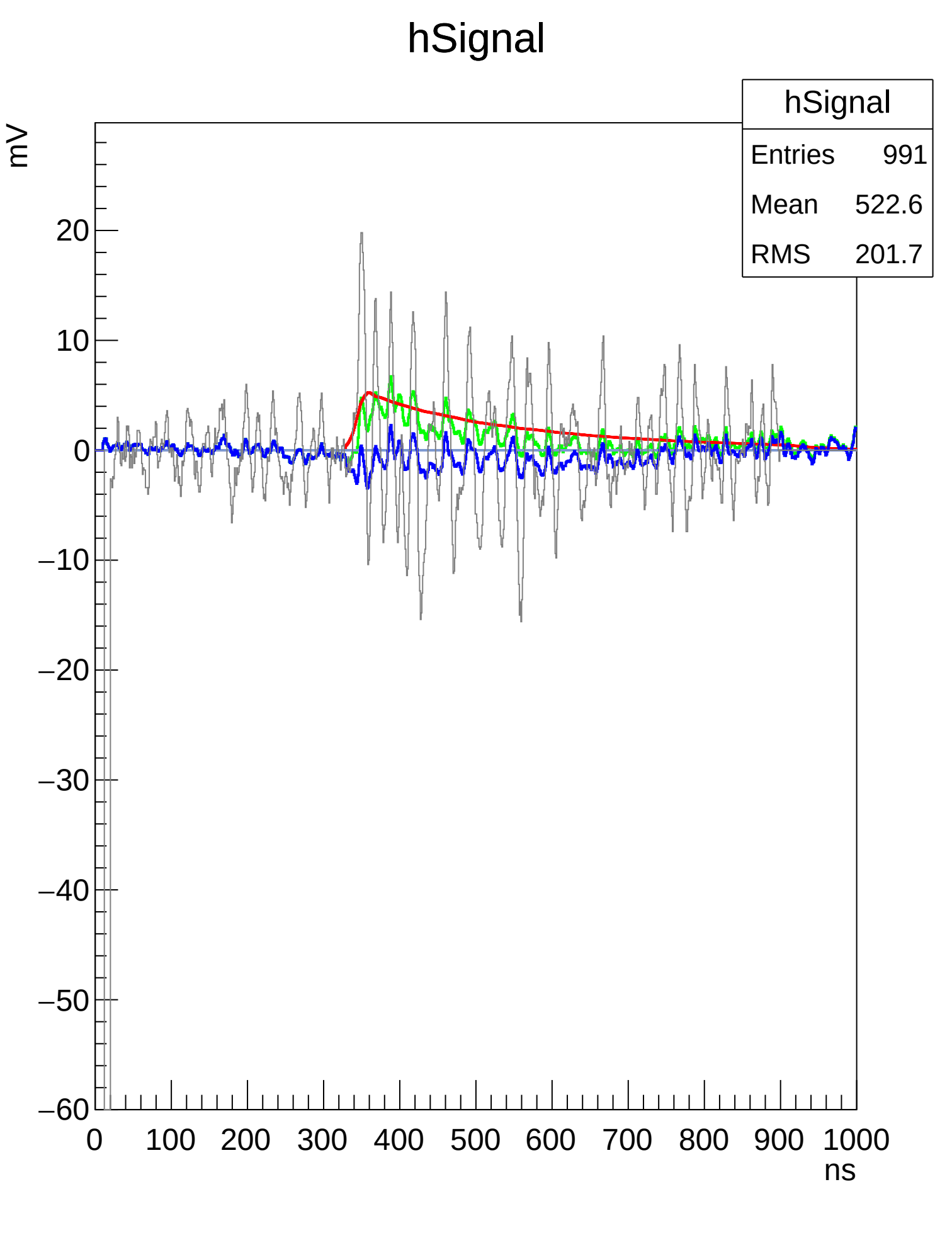
800
900
1000
ns

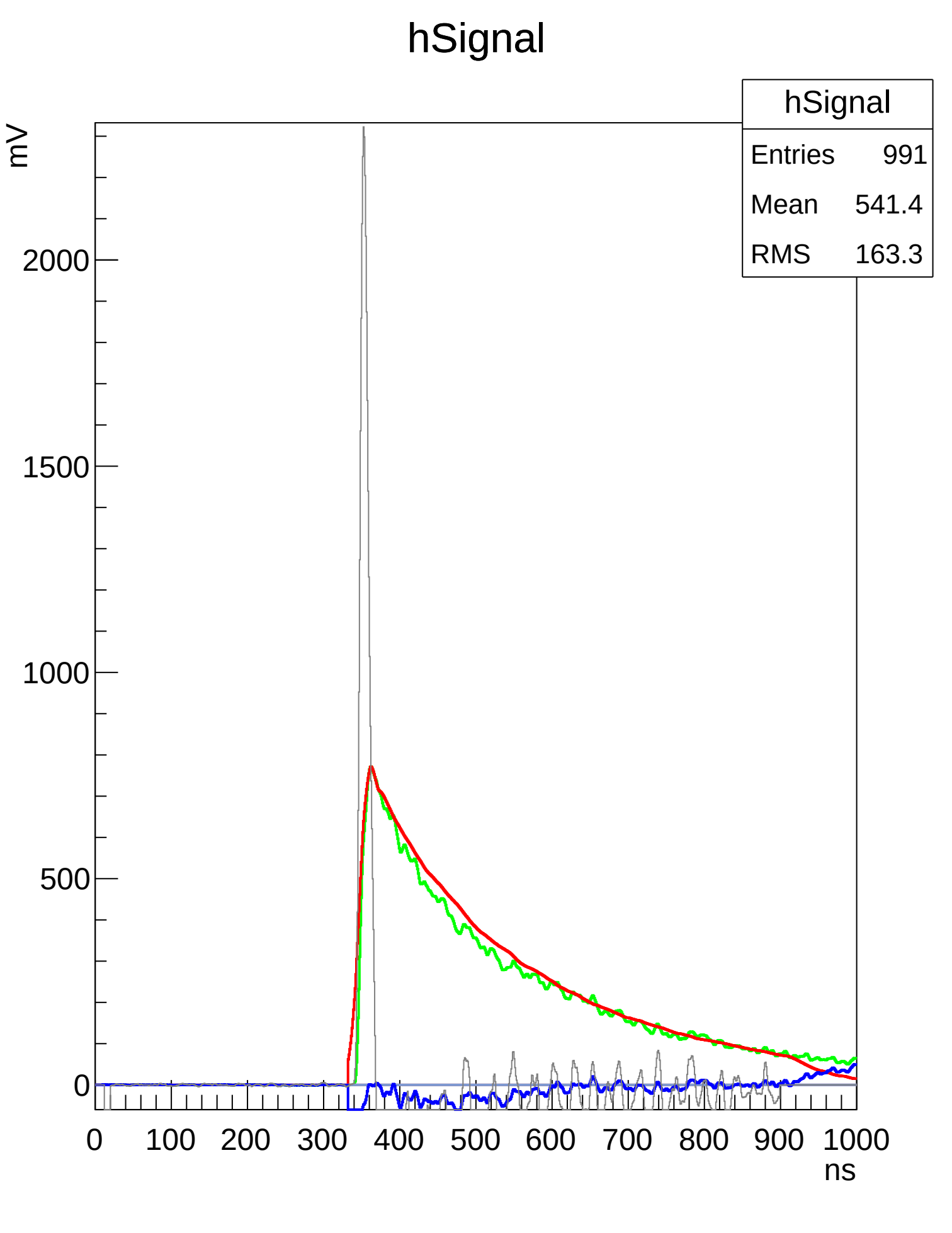

hSignal
hSignal
Entries 991
Mean 513.4
RMS 174.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

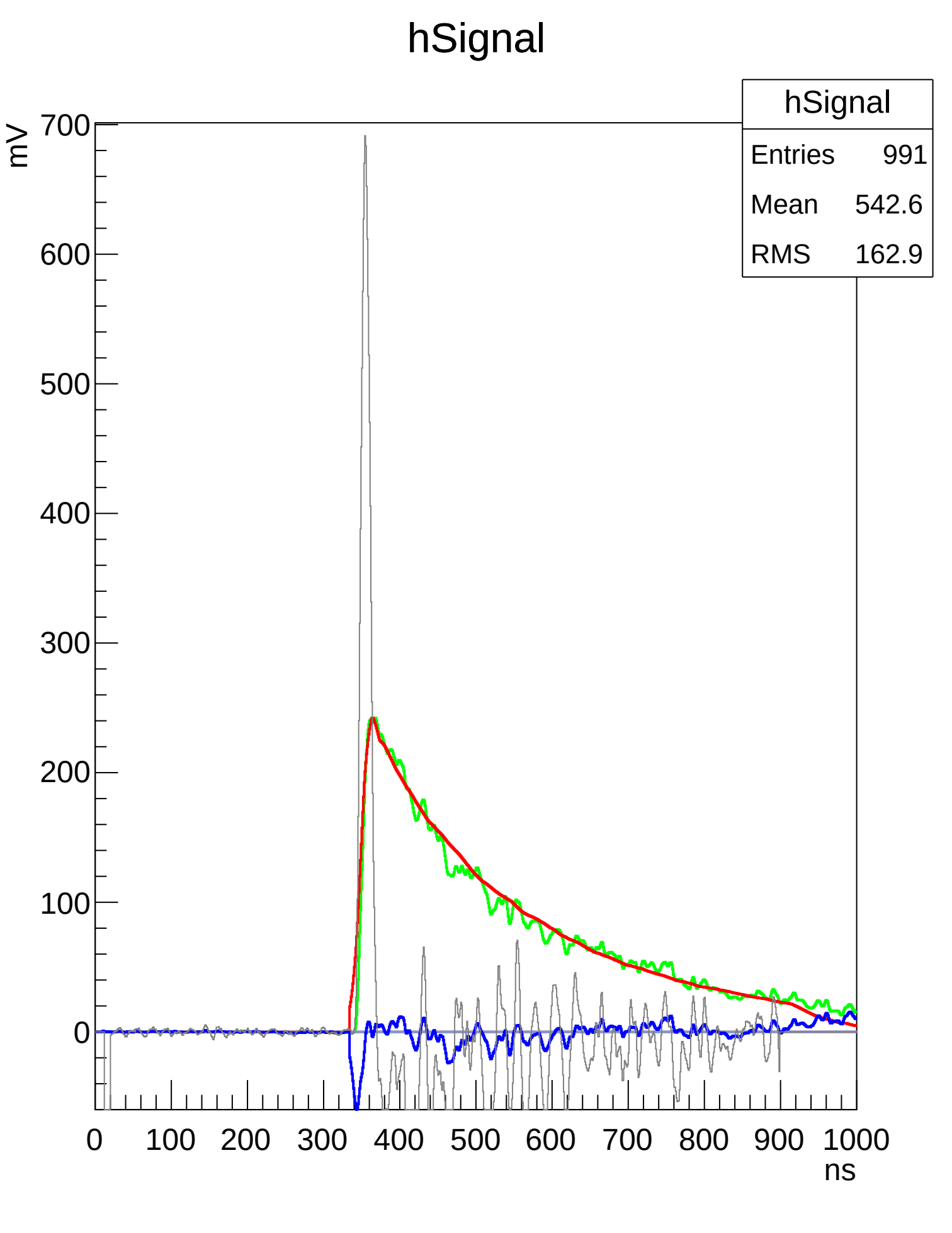

hSignal
hSignal
Entries 991
Mean 534.6
RMS 174.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

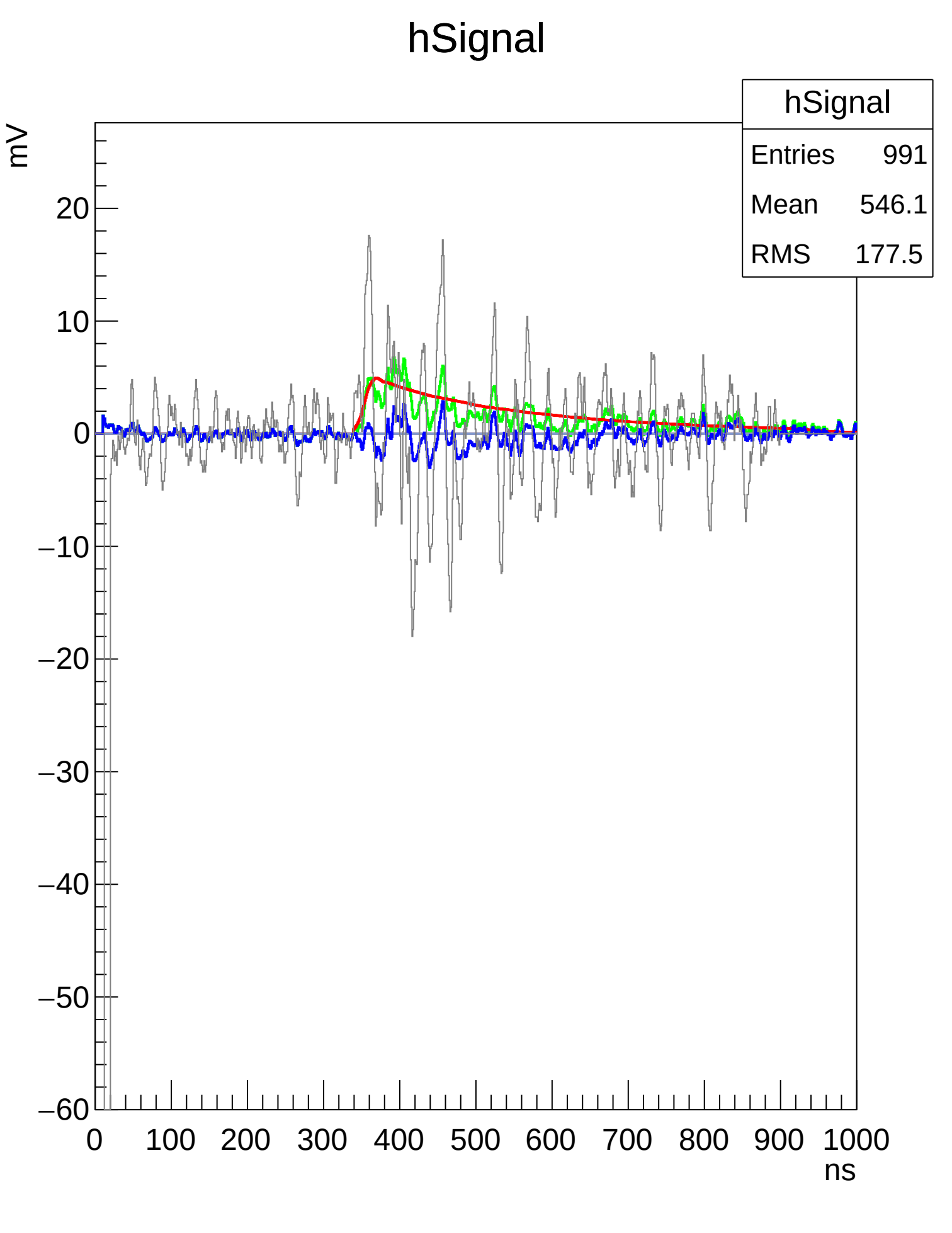

hSignal
hSignal
Entries 991
Mean 553
RMS 169.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

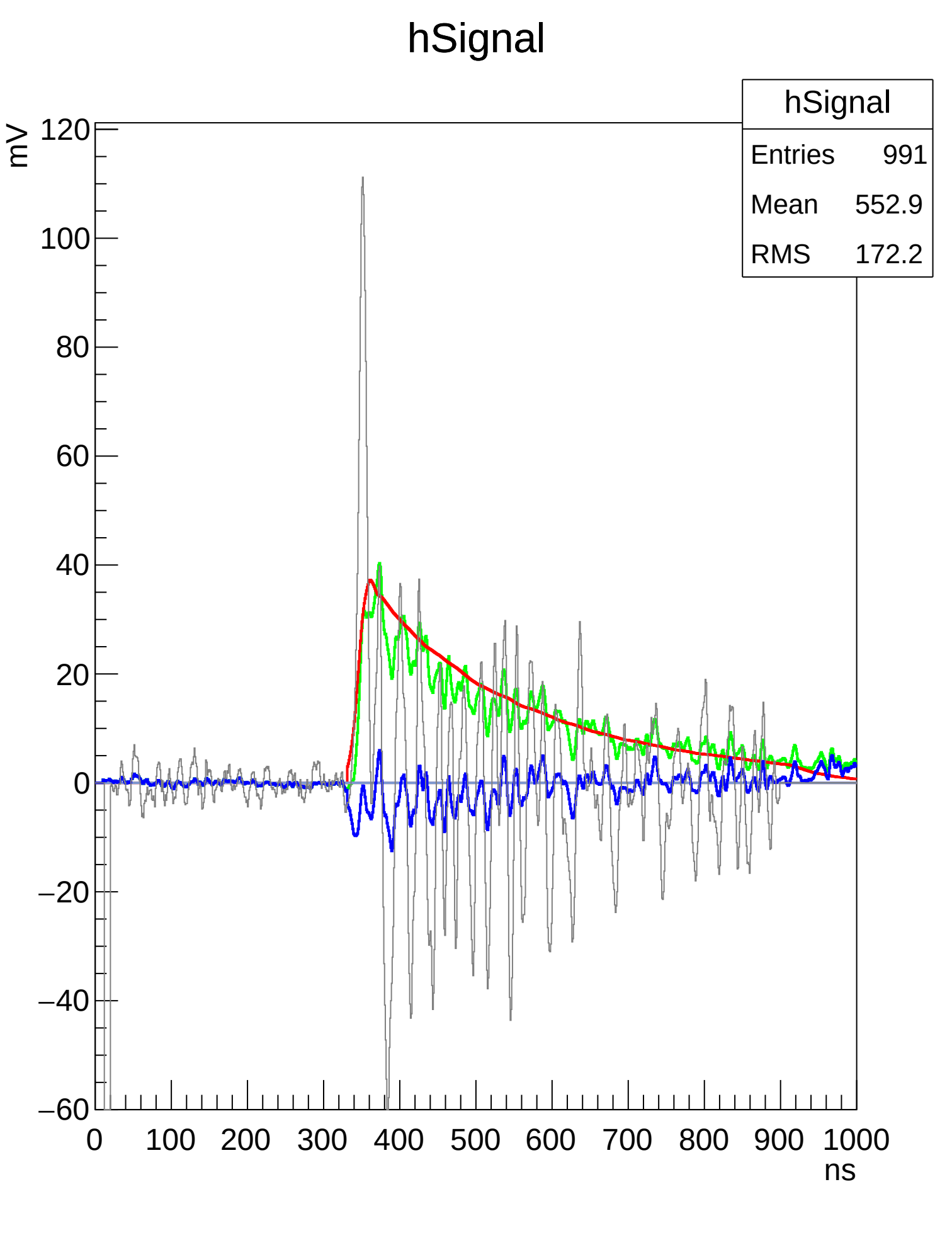

hSignal
hSignal
Entries 991
Mean 542.1
RMS 170.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

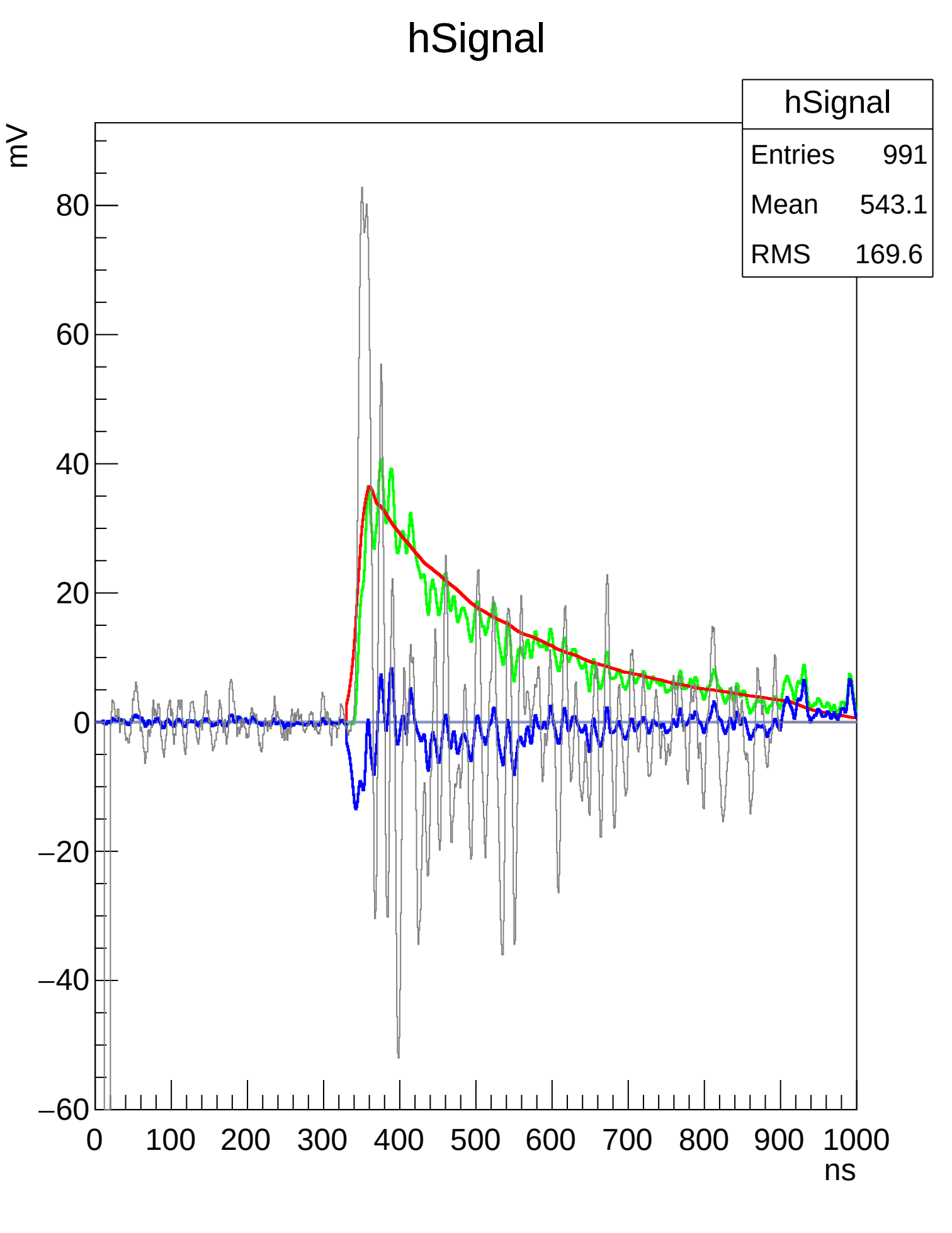

hSignal
hSignal
Entries 991
Mean 522.6
RMS 201.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.4
RMS 163.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.6
RMS 162.9
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.1
RMS 177.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.9
RMS 172.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.1
RMS 169.6
mV
80
60
40
20
0
−20
−40
−60
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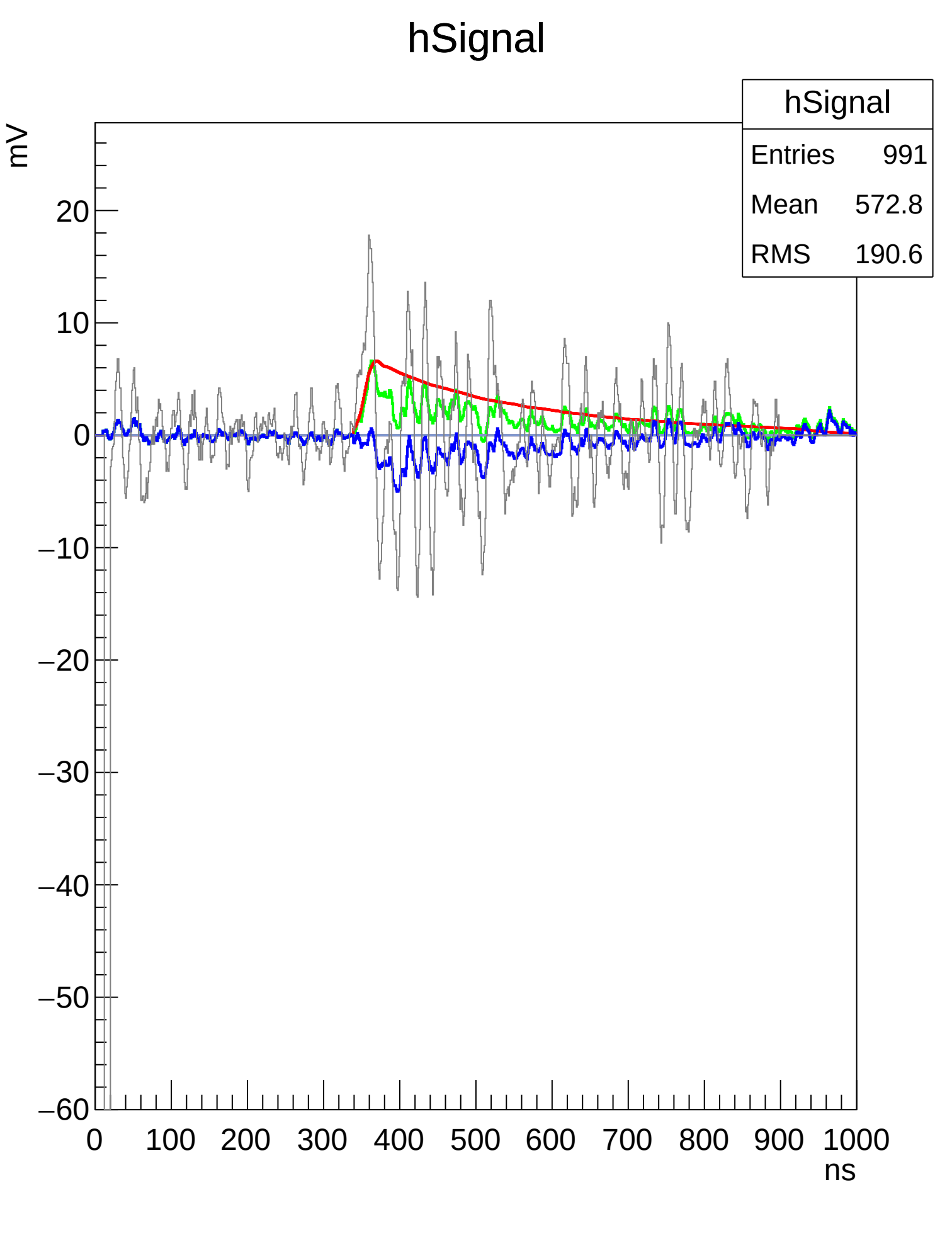
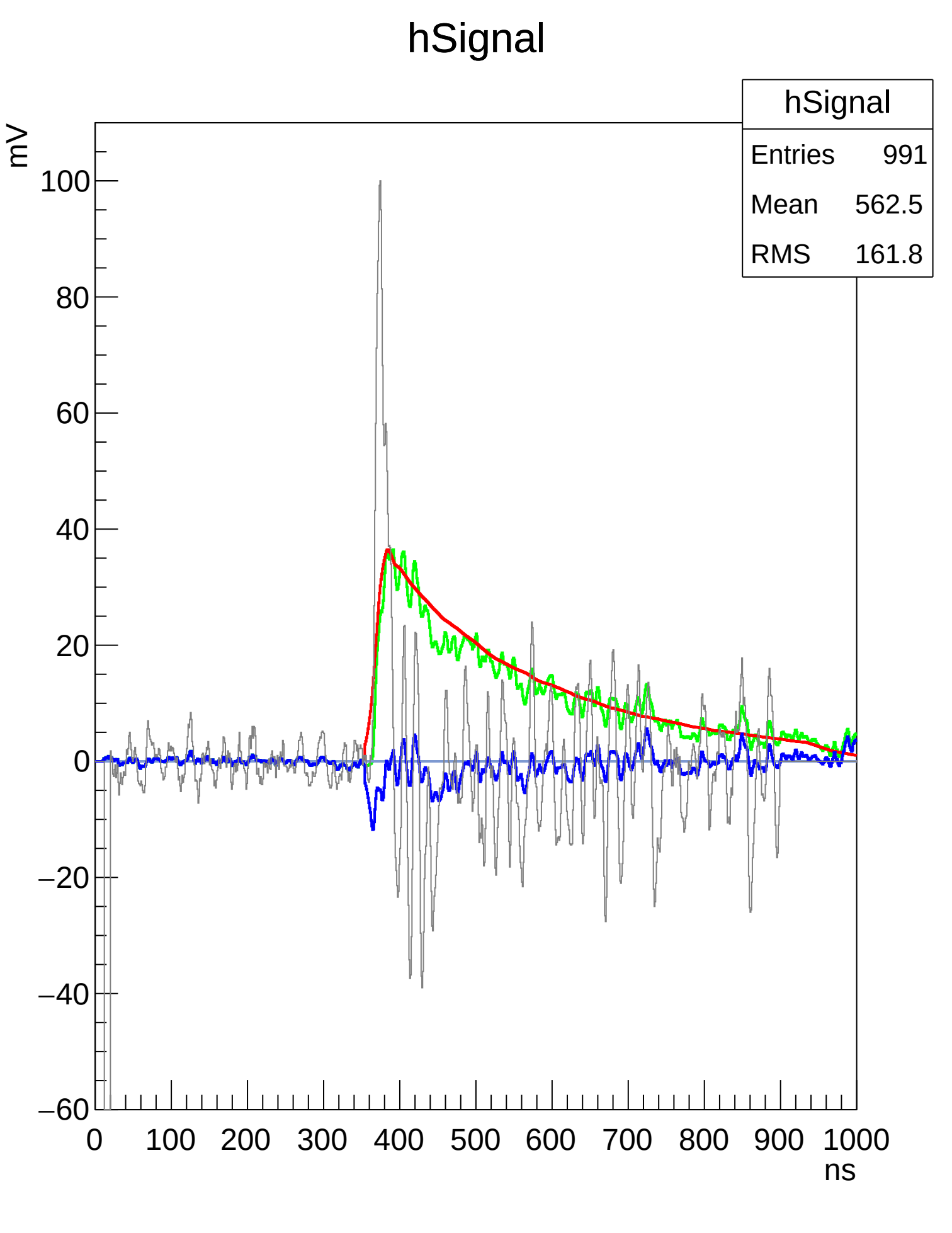
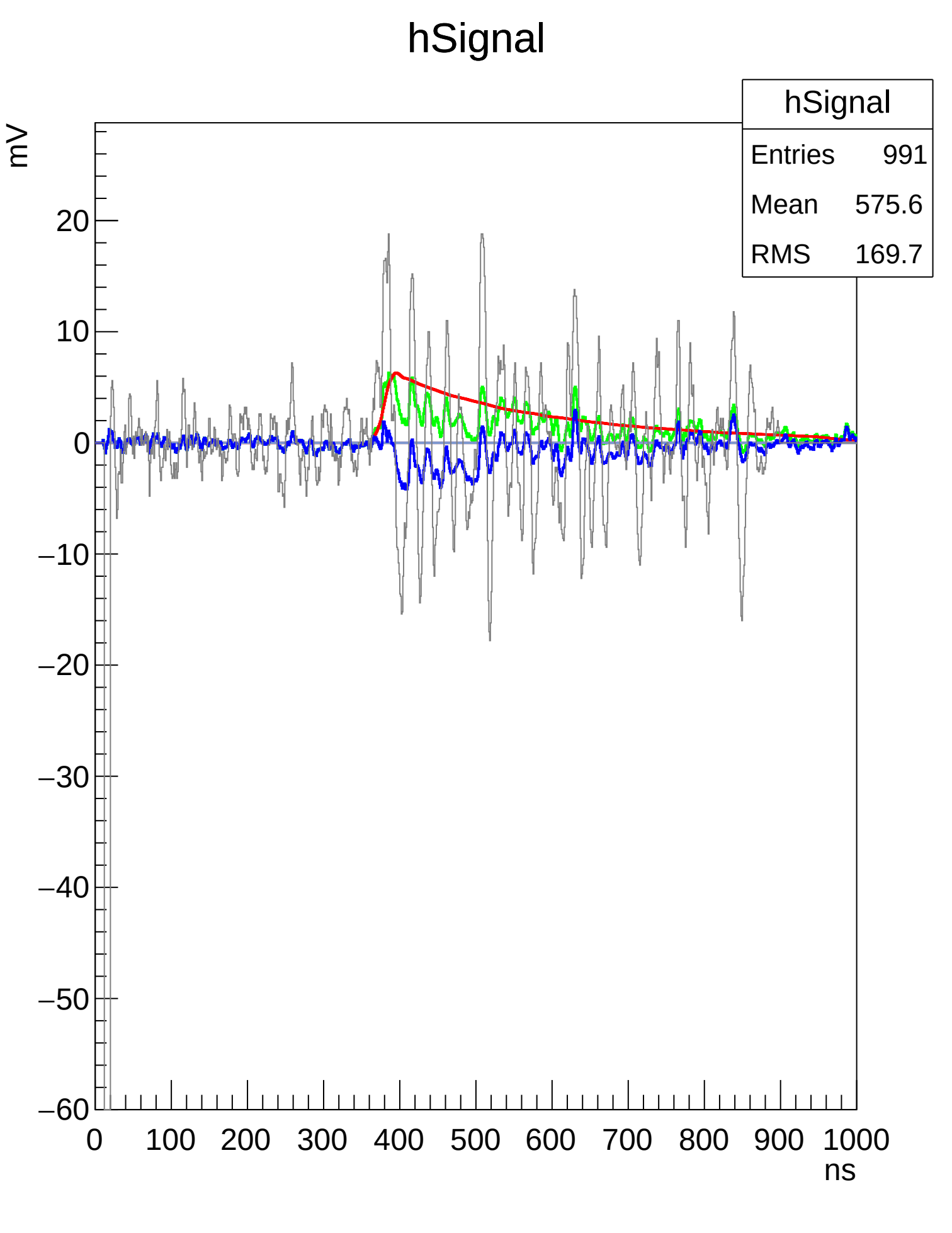
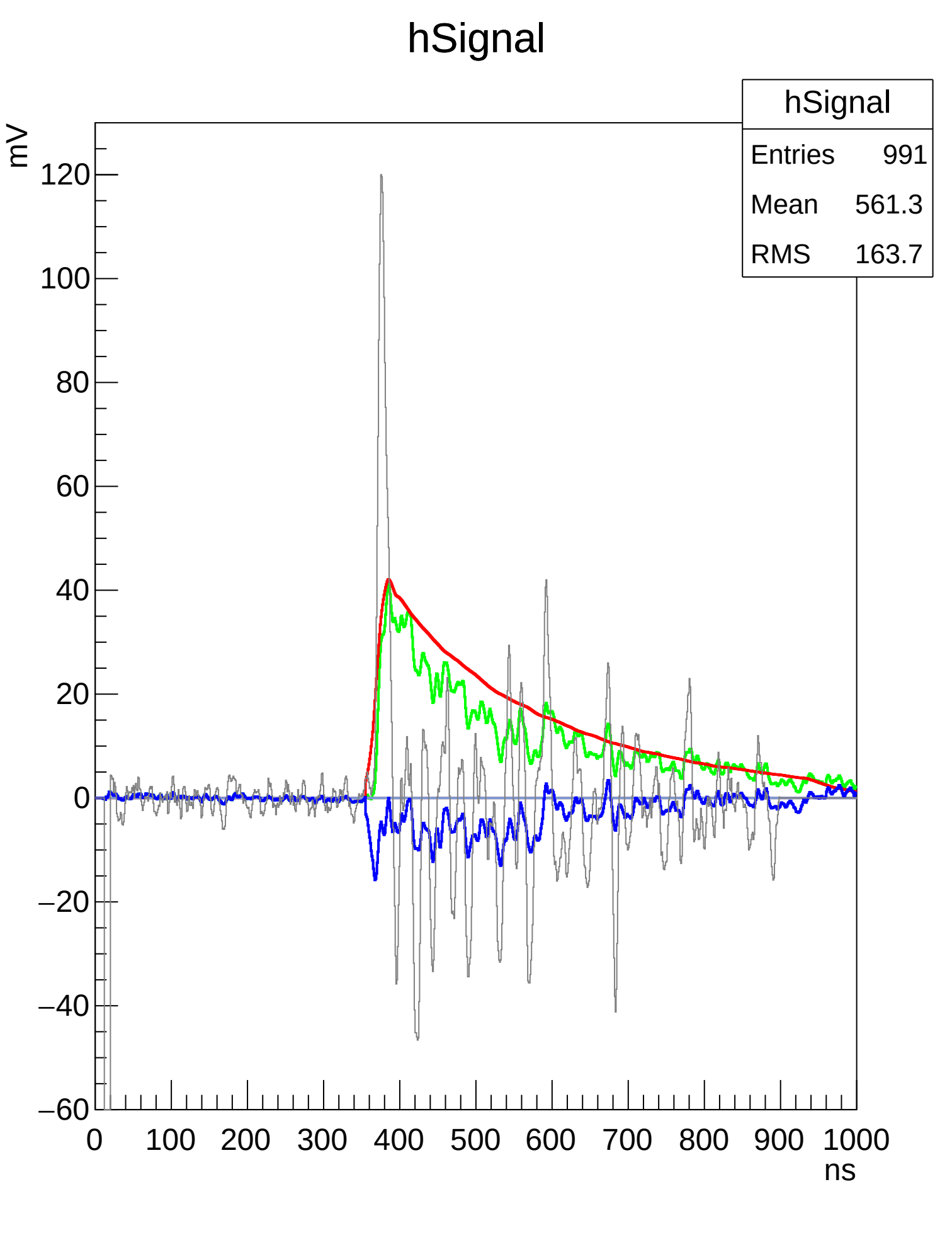
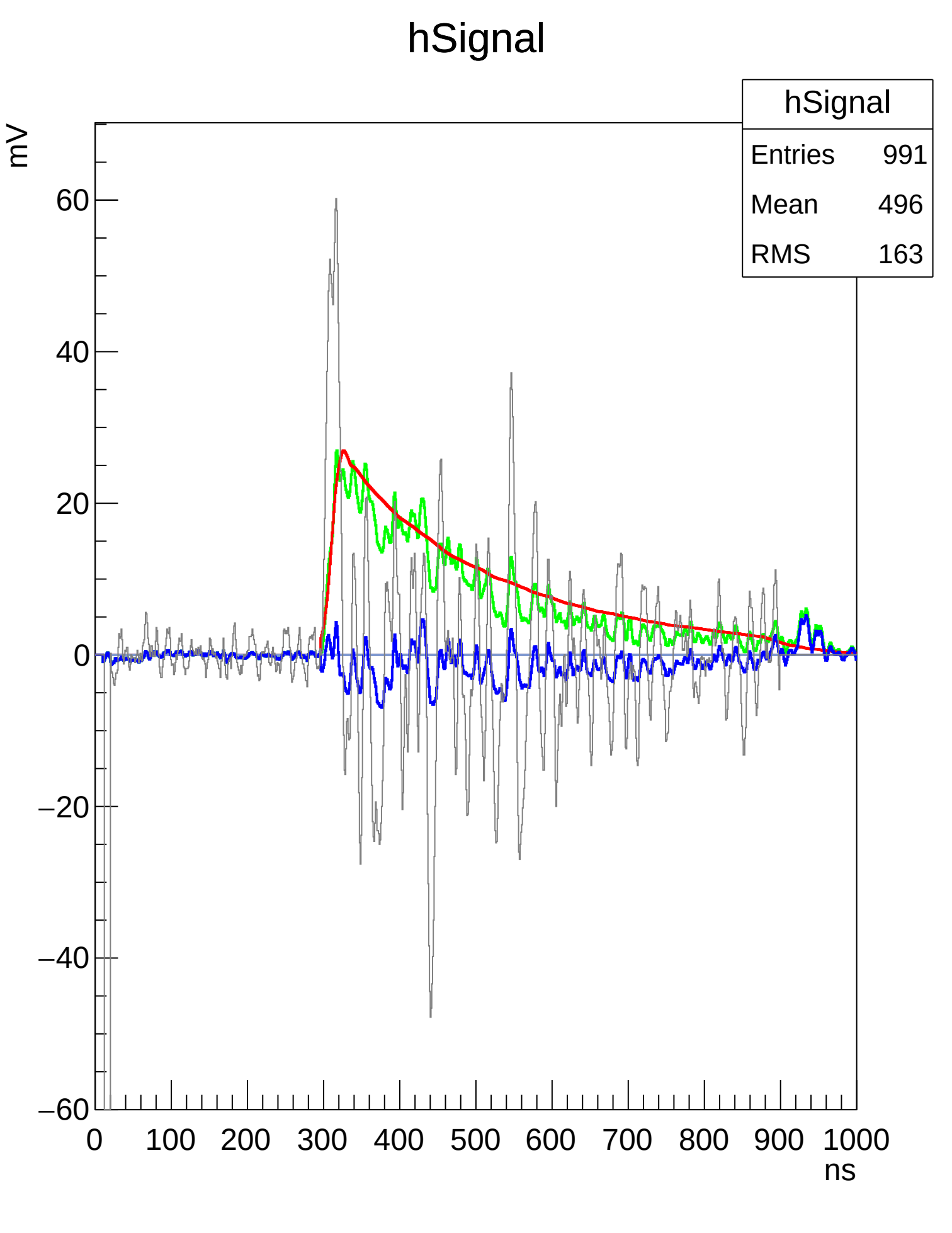
600
700
800
900
1000
ns

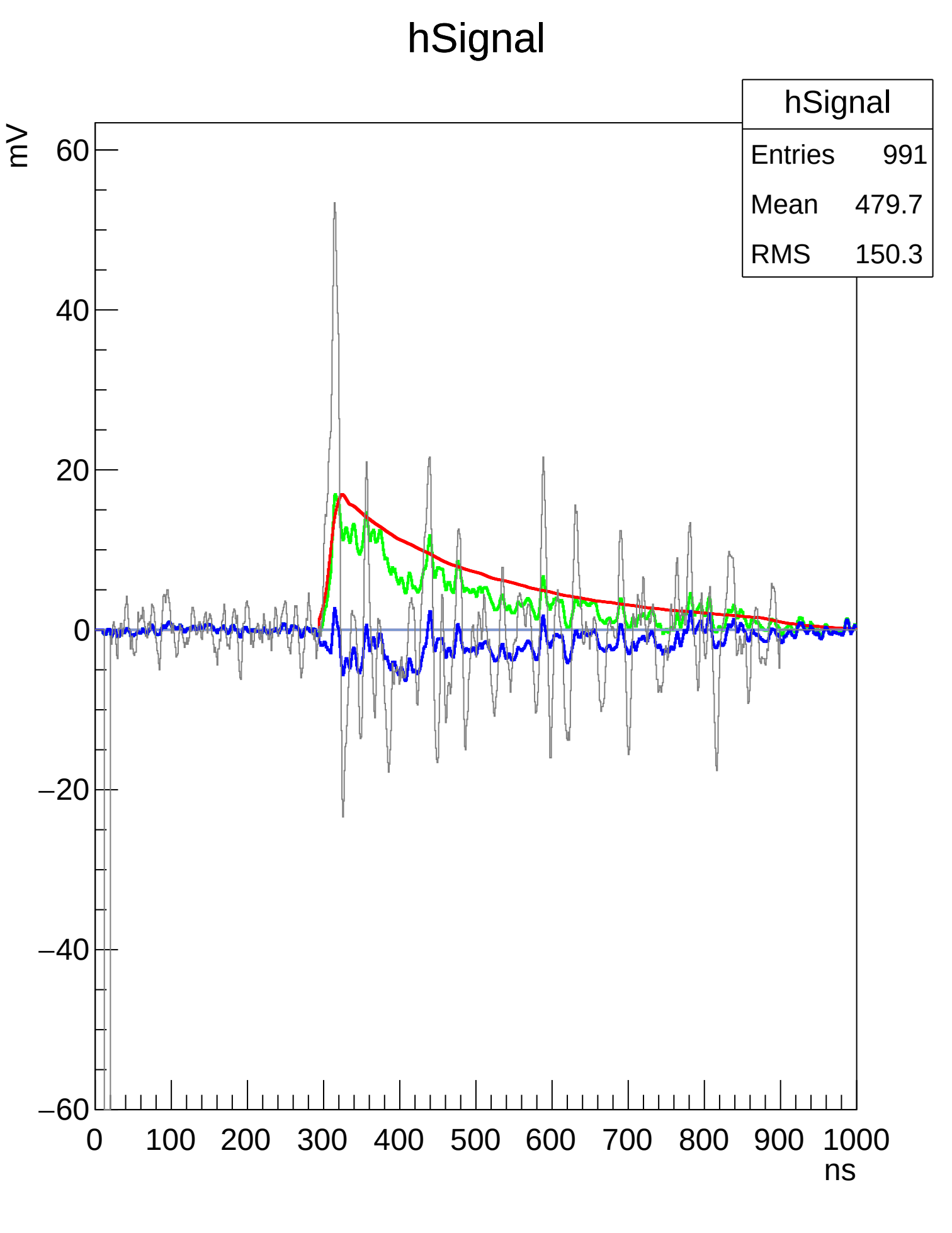

hSignal
hSignal
Entries 991
Mean 572.8
RMS 190.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

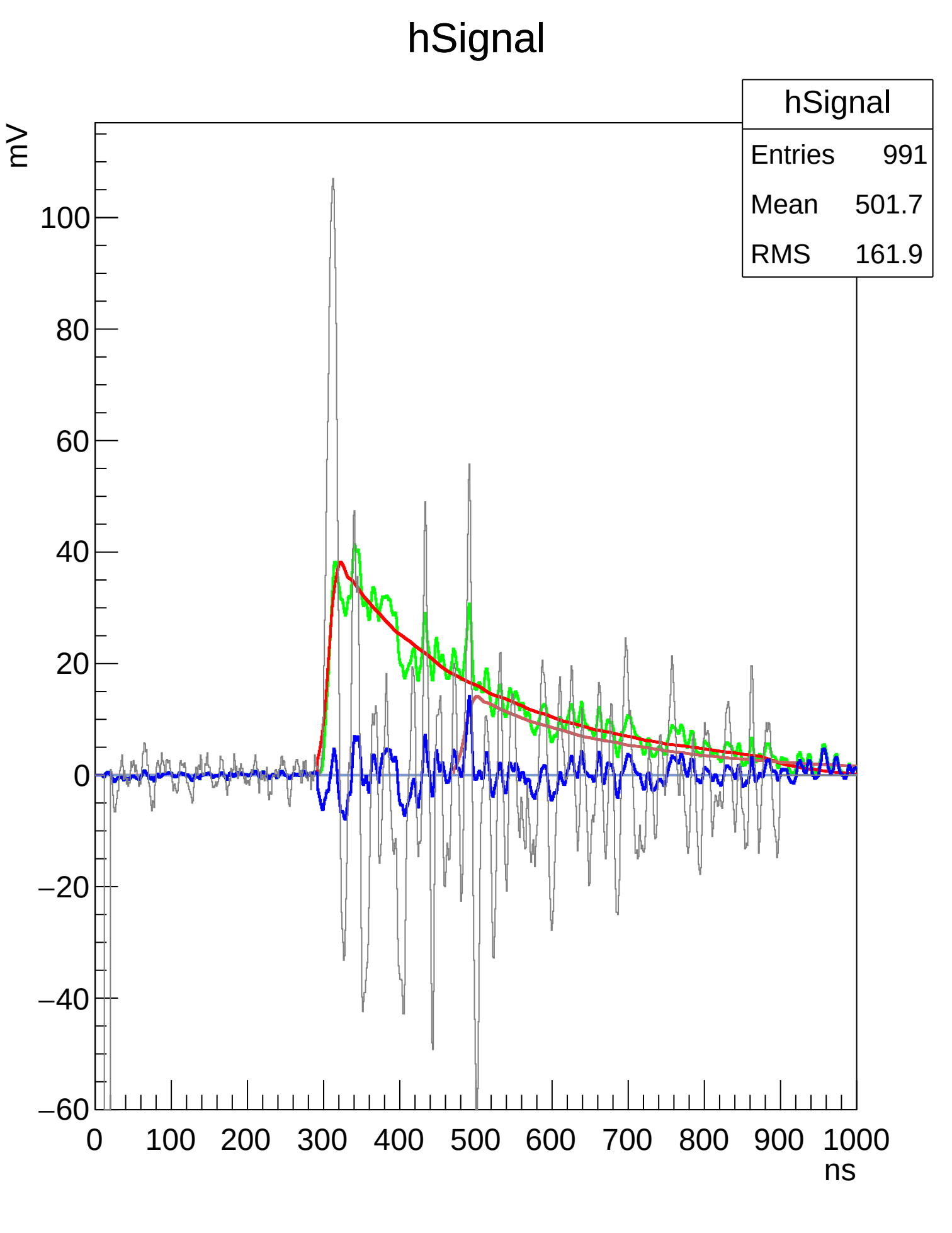

hSignal
hSignal
Entries 991
Mean 562.5
RMS 161.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

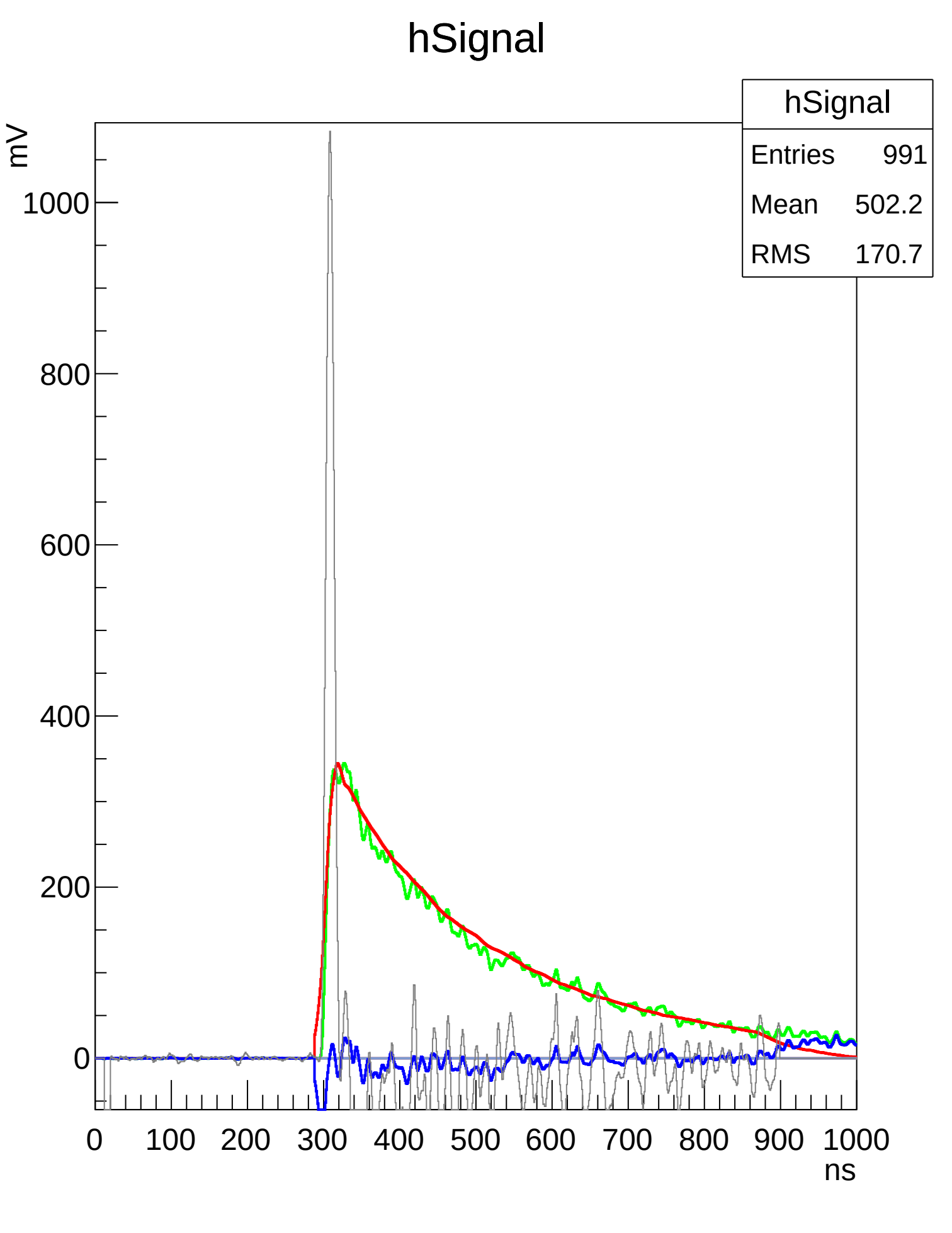

hSignal
hSignal
Entries 991
Mean 575.6
RMS 169.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

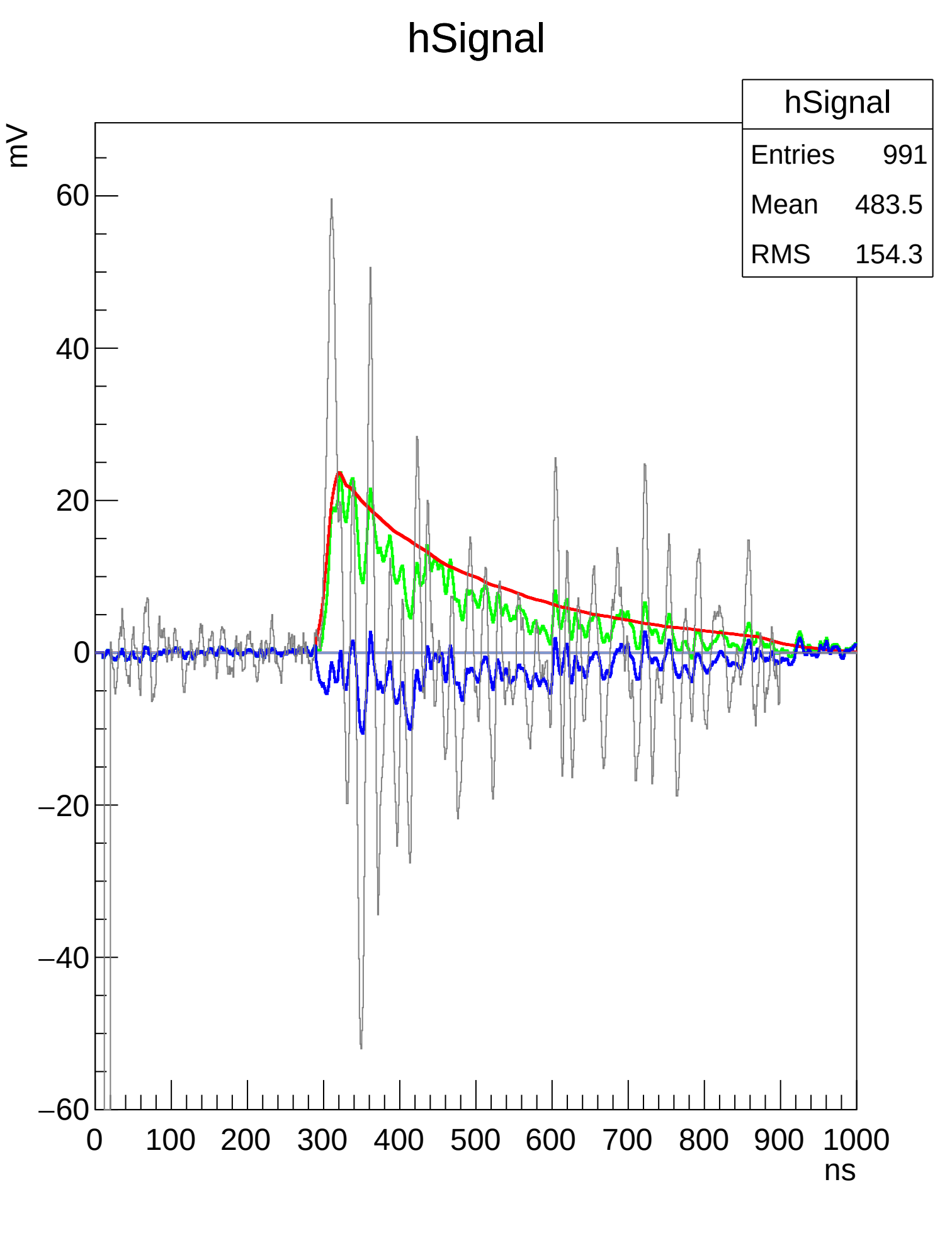

hSignal
hSignal
Entries 991
Mean 561.3
RMS 163.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

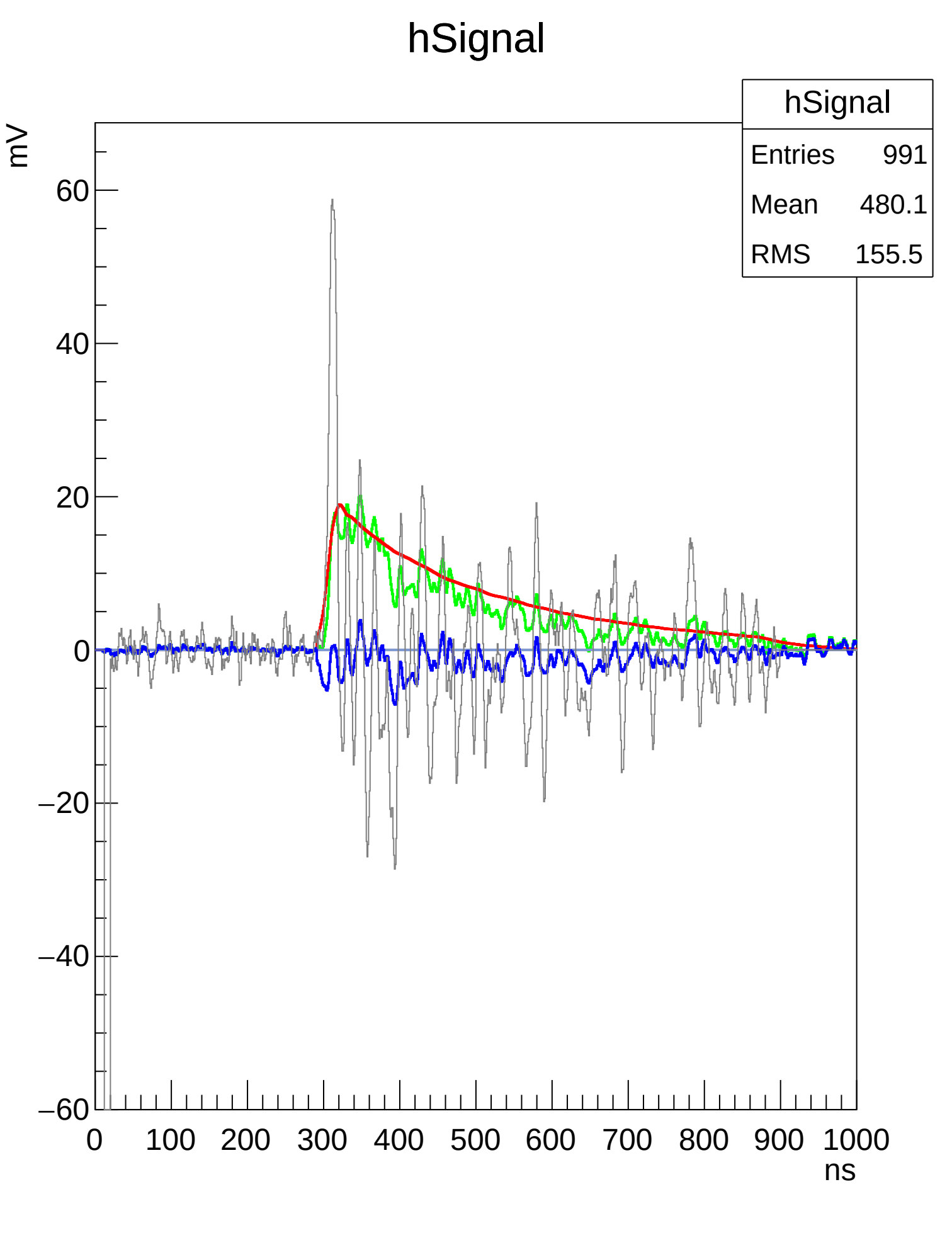

hSignal
hSignal
Entries 991
Mean 496
RMS 163
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

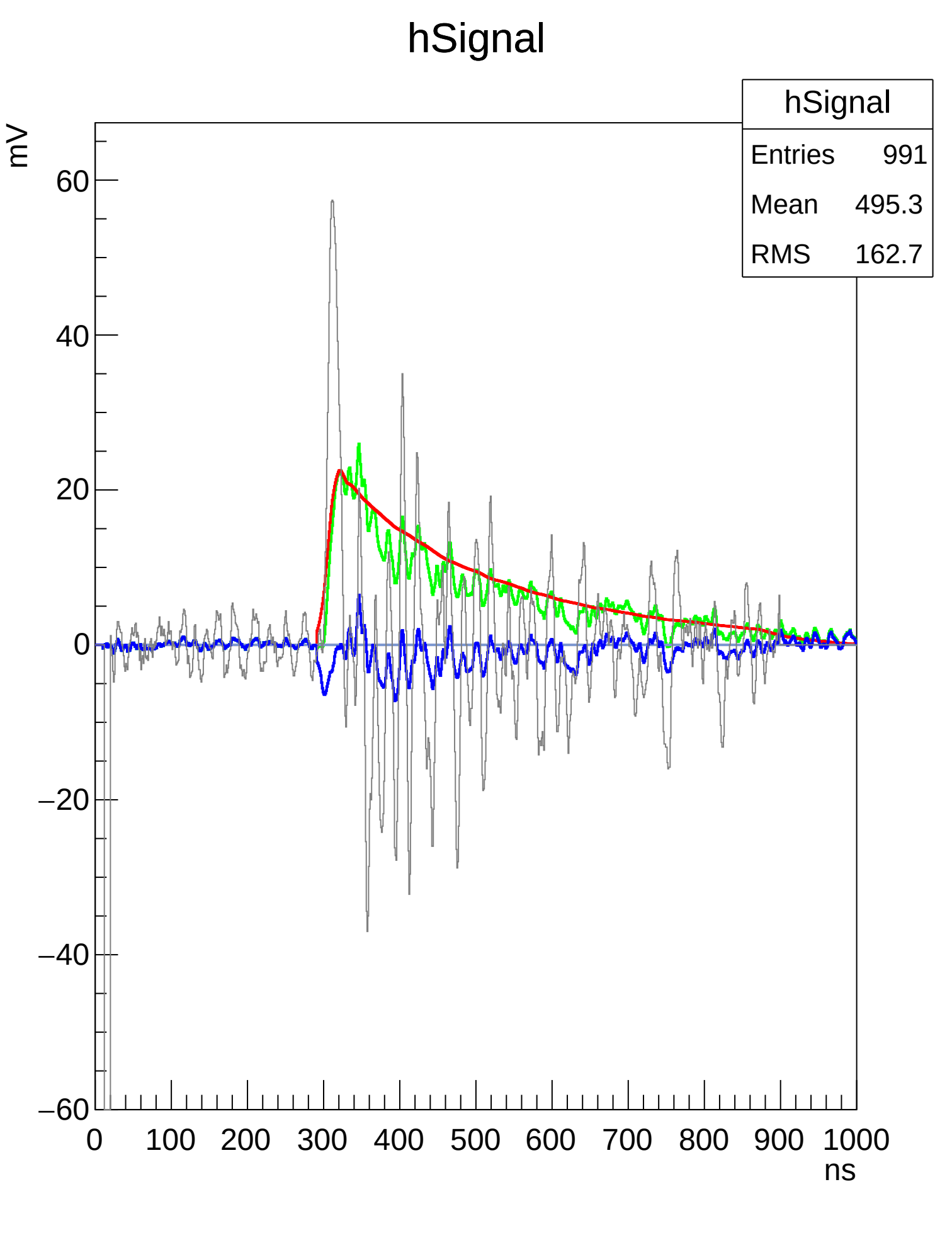

hSignal
hSignal
Entries 991
Mean 479.7
RMS 150.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

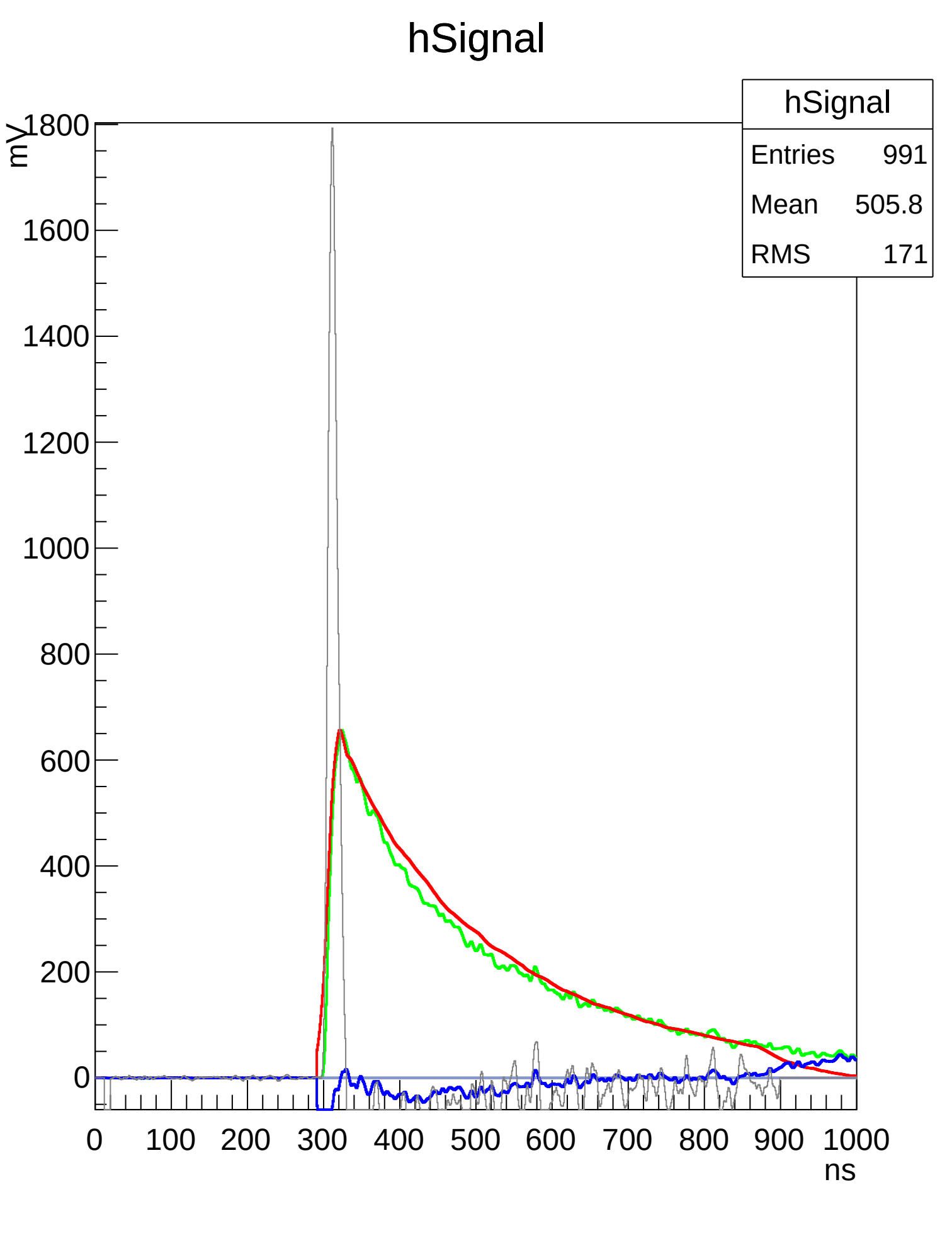

hSignal
hSignal
Entries 991
Mean 501.7
RMS 161.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.2
RMS 170.7
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.5
RMS 154.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 480.1
RMS 155.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.3
RMS 162.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 505.8
RMS 171
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
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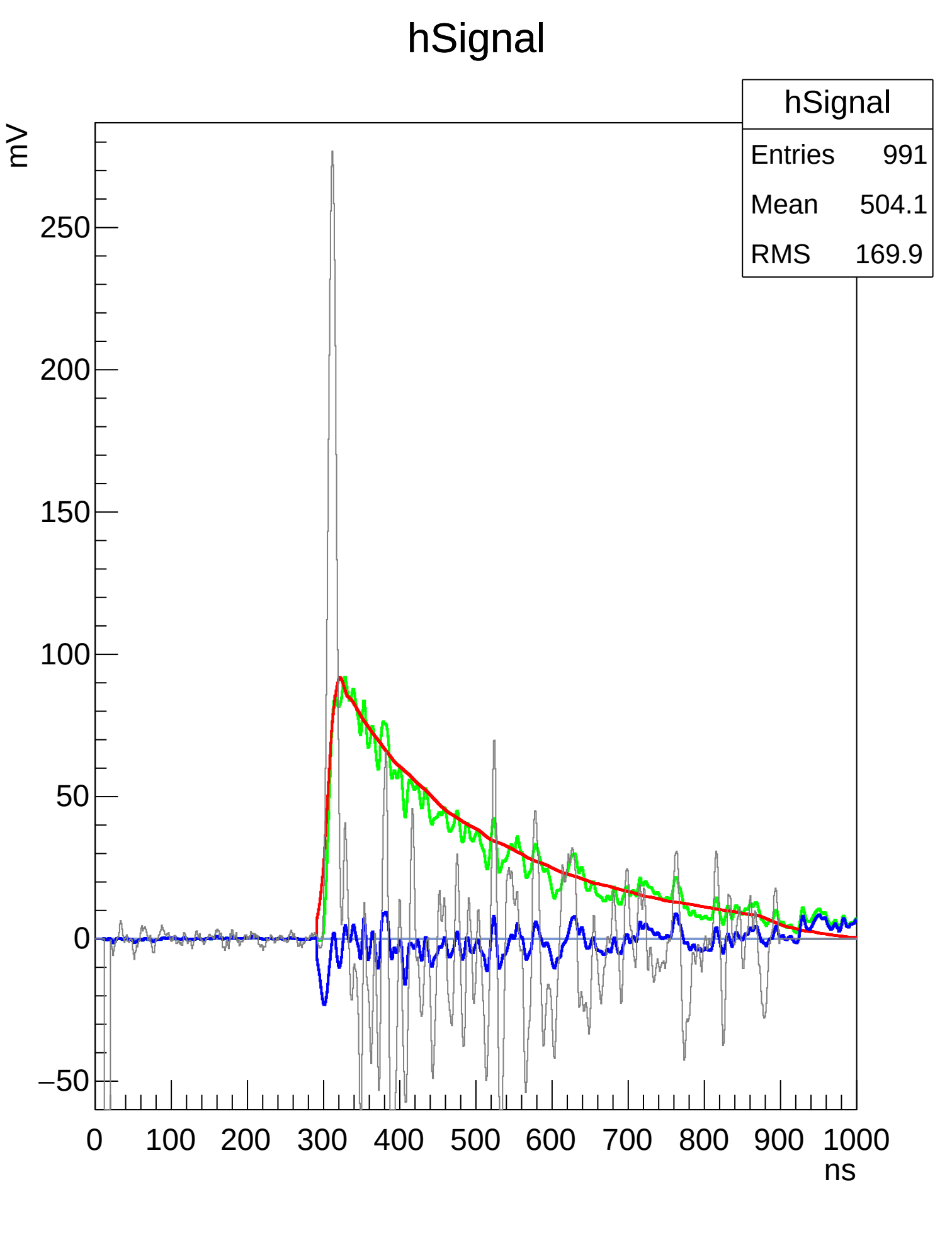
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.1
RMS 169.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
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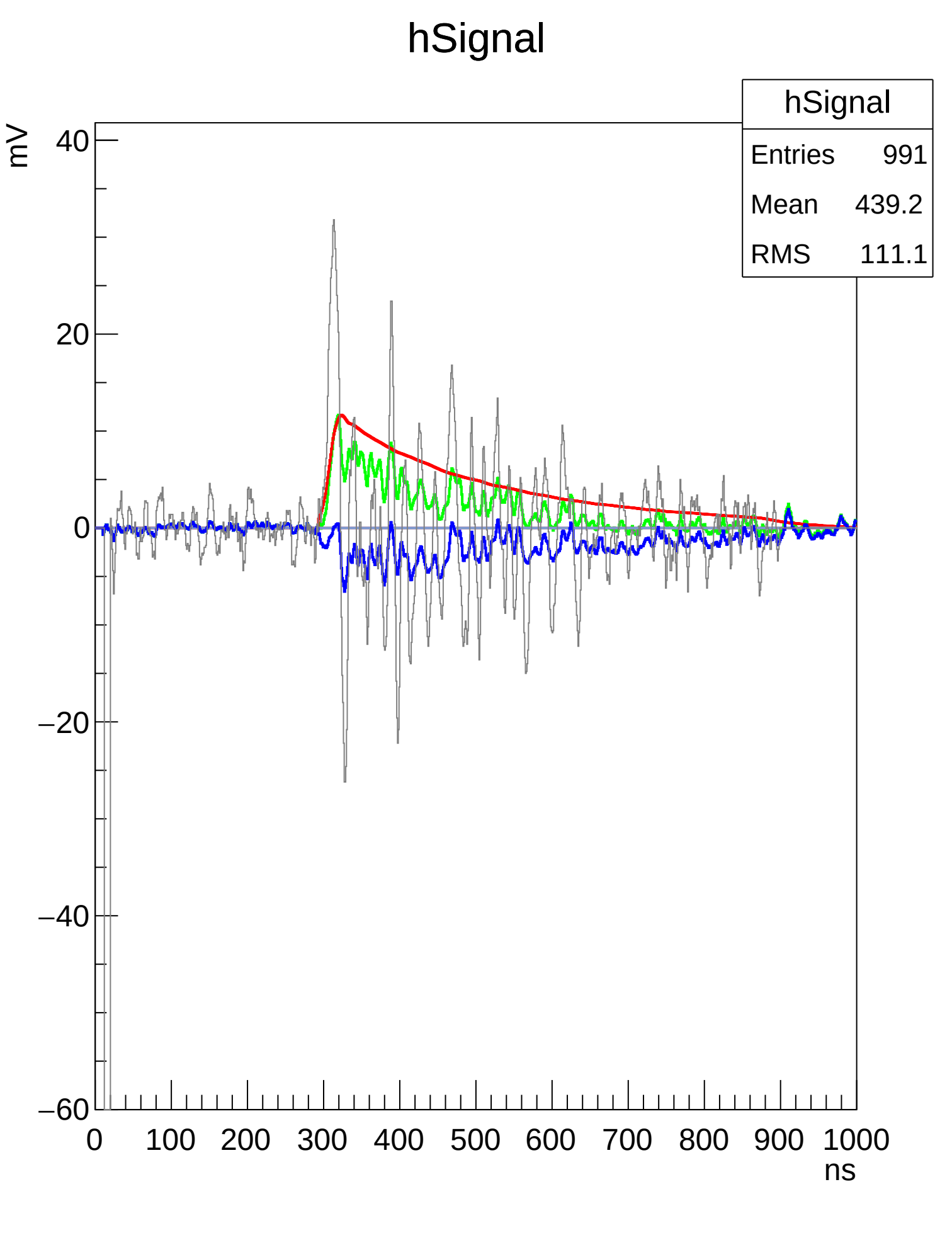
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 439.2
RMS 111.1
mV
40
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0
−20
−40
−60
0
100
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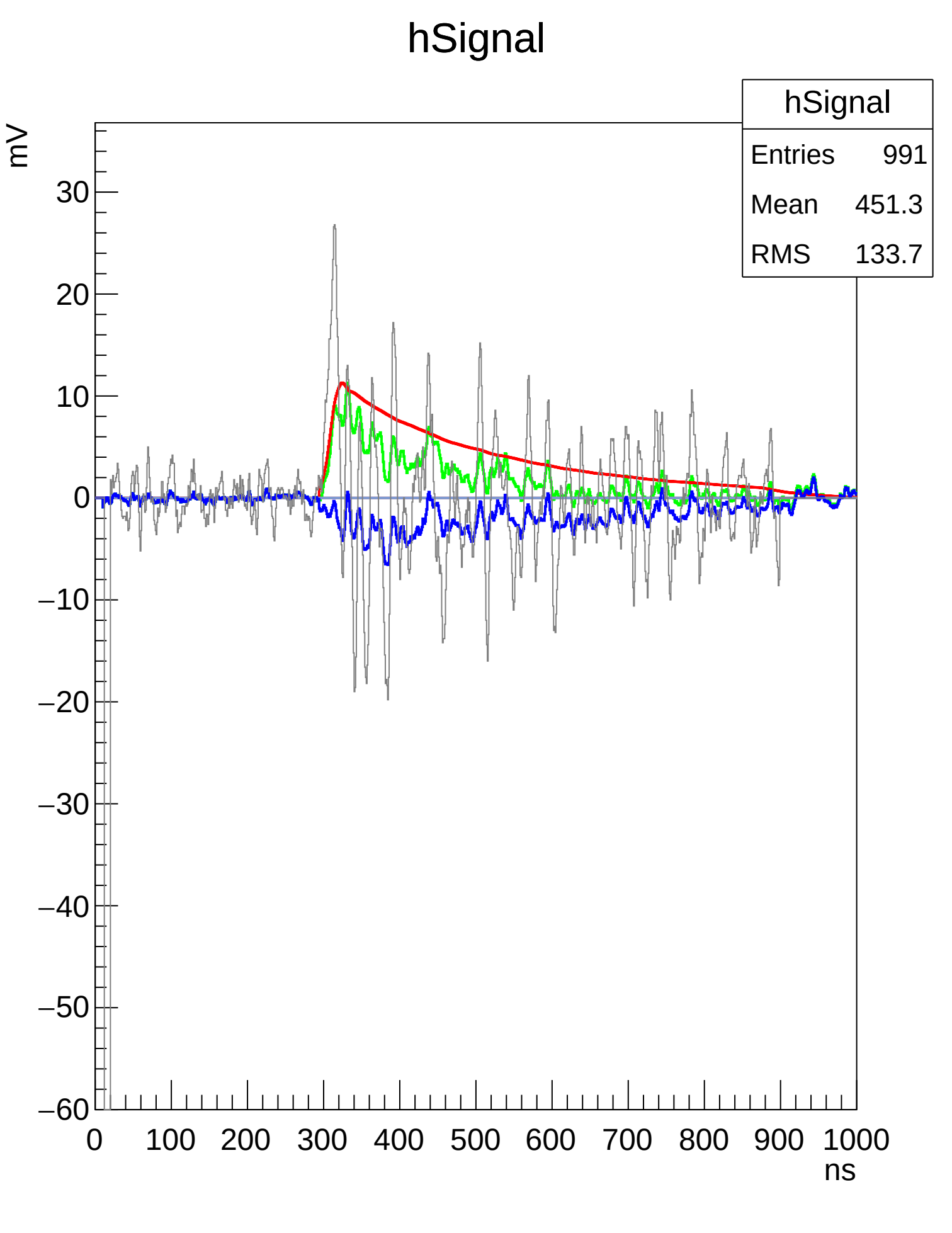
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 451.3
RMS 133.7
mV
30
20
10
0
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−20
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−40
−50
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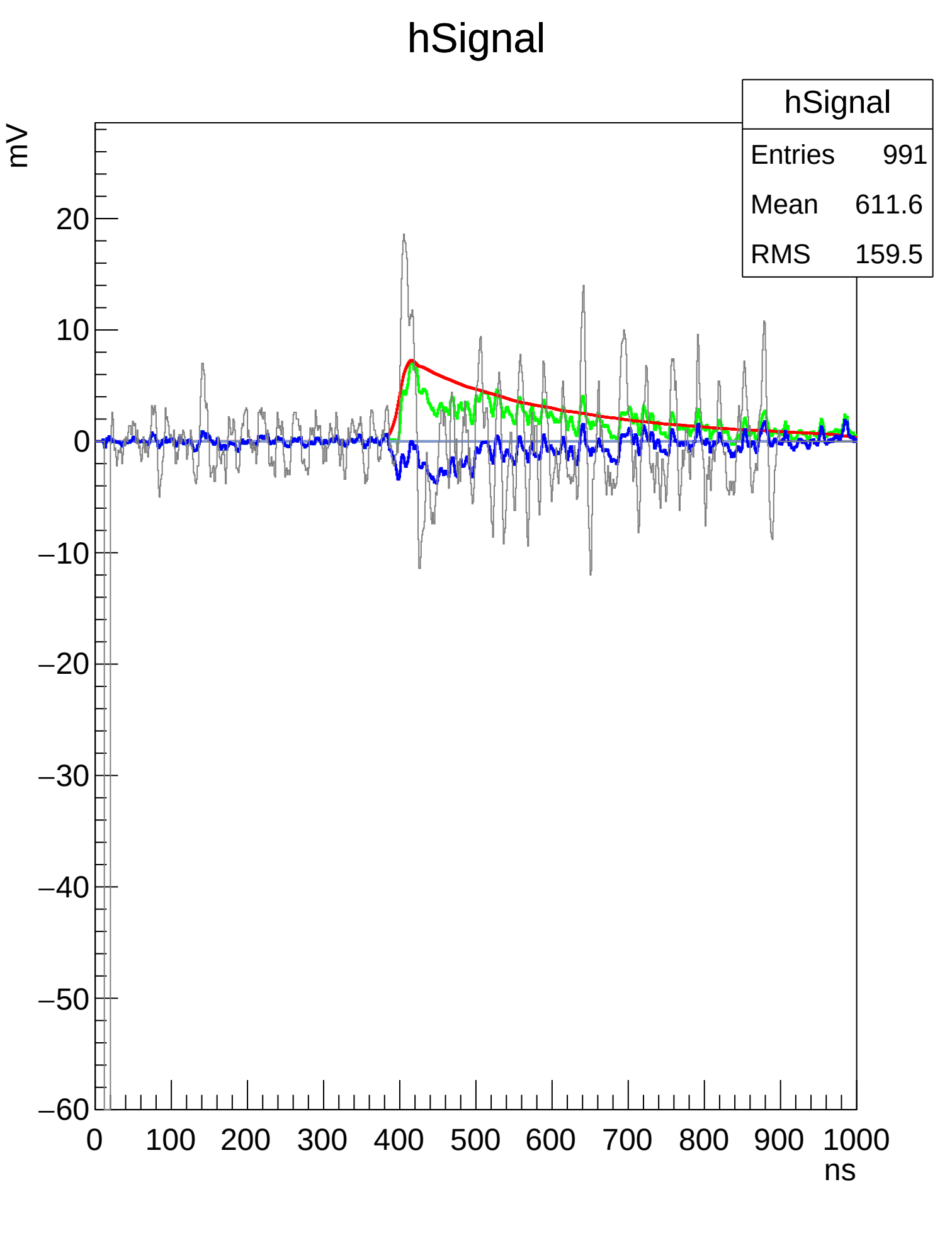
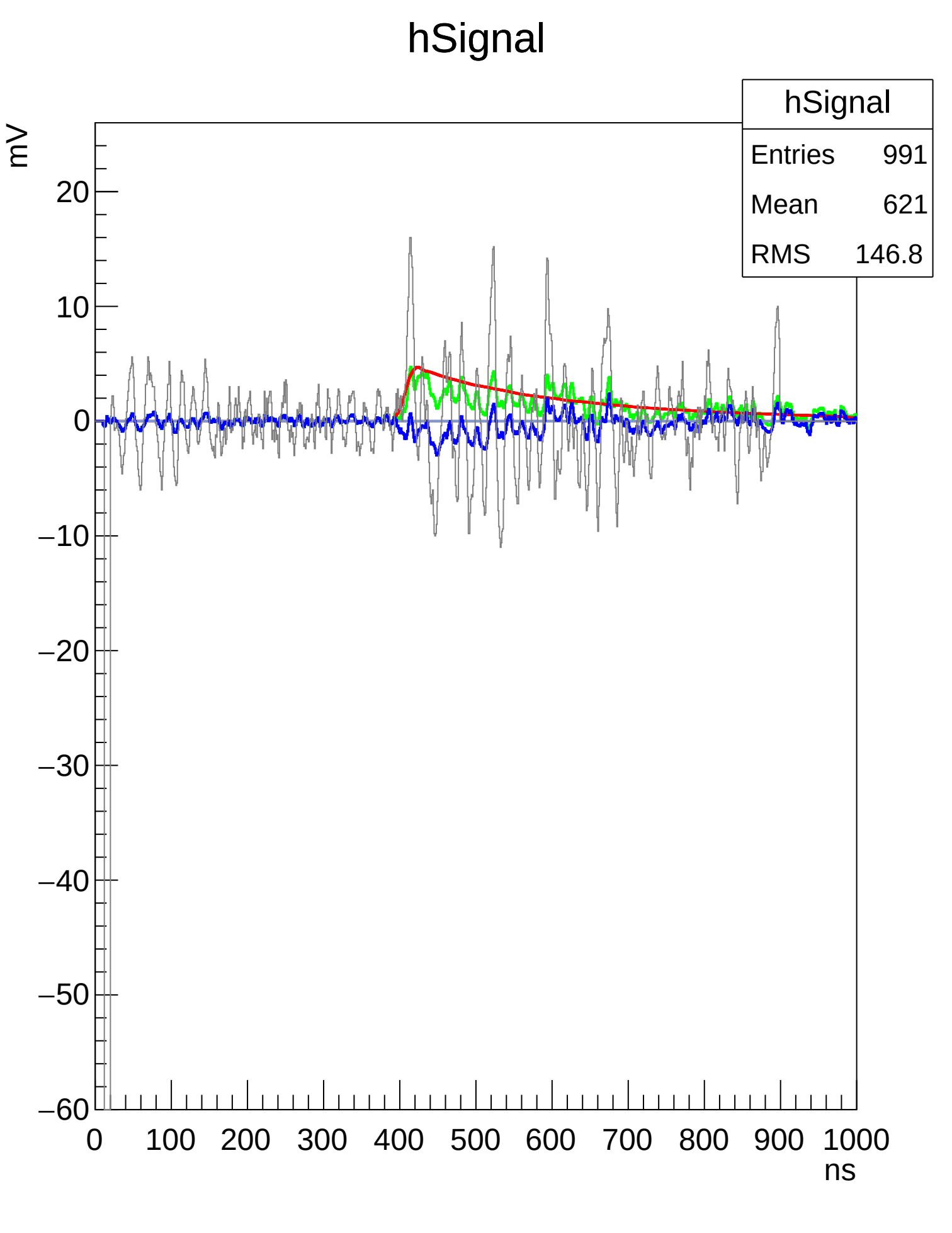
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.6
RMS 159.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621
RMS 146.8
mV
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10
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0
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400
500
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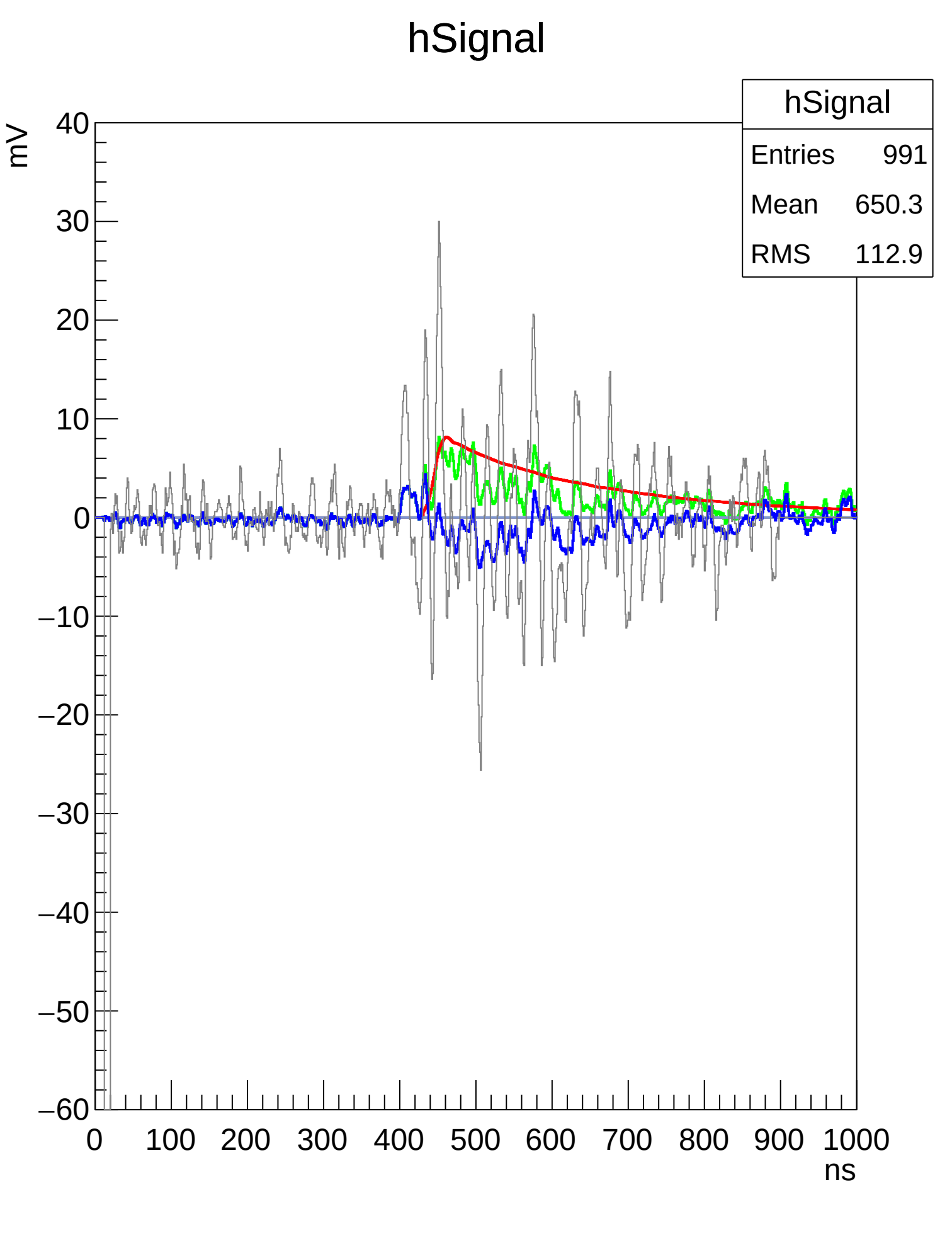
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 650.3
RMS 112.9
mV
40
30
20
10
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0
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400
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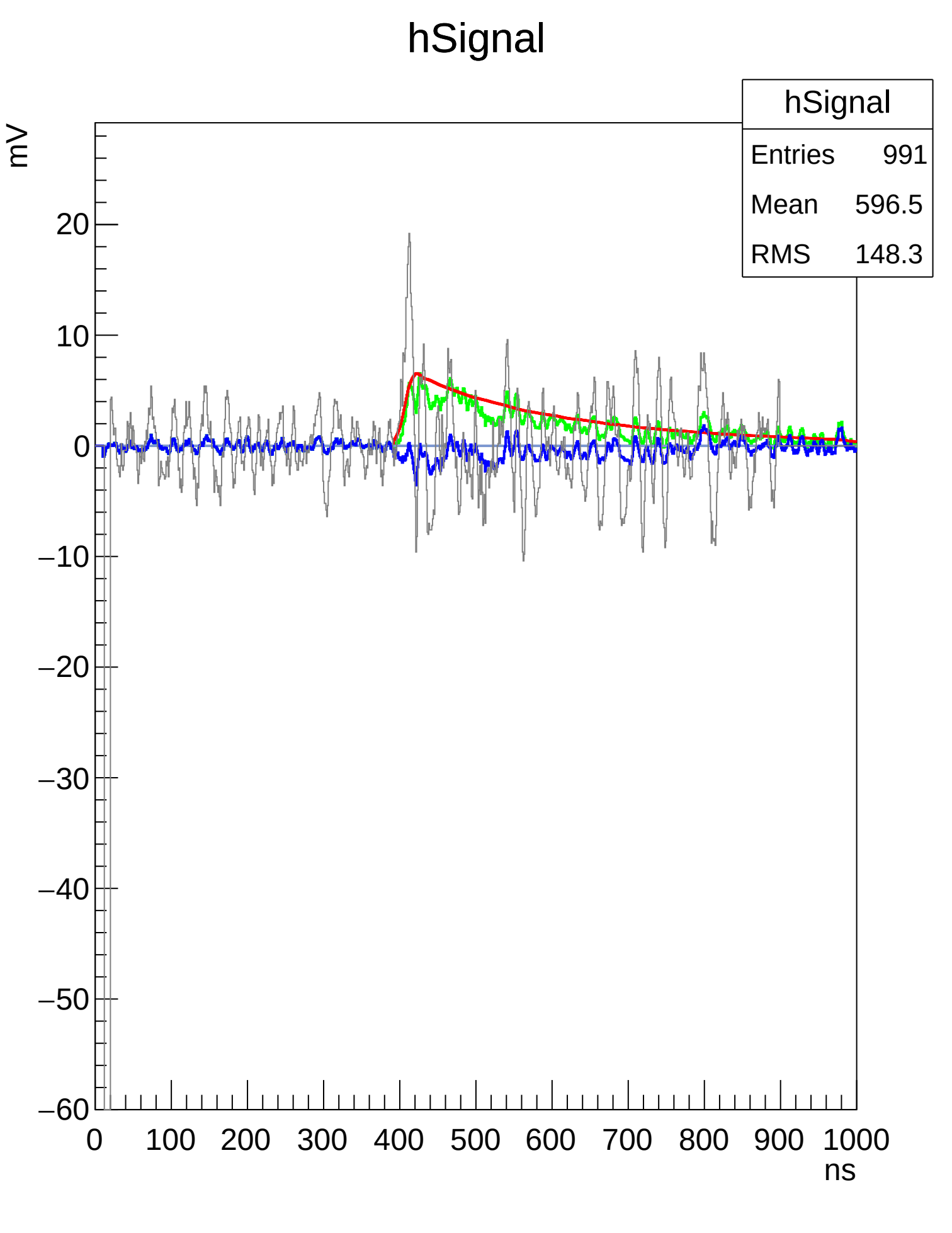
1000
ns


hSignal
hSignal
Entries 991
Mean 596.5
RMS 148.3
mV
20
10
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800
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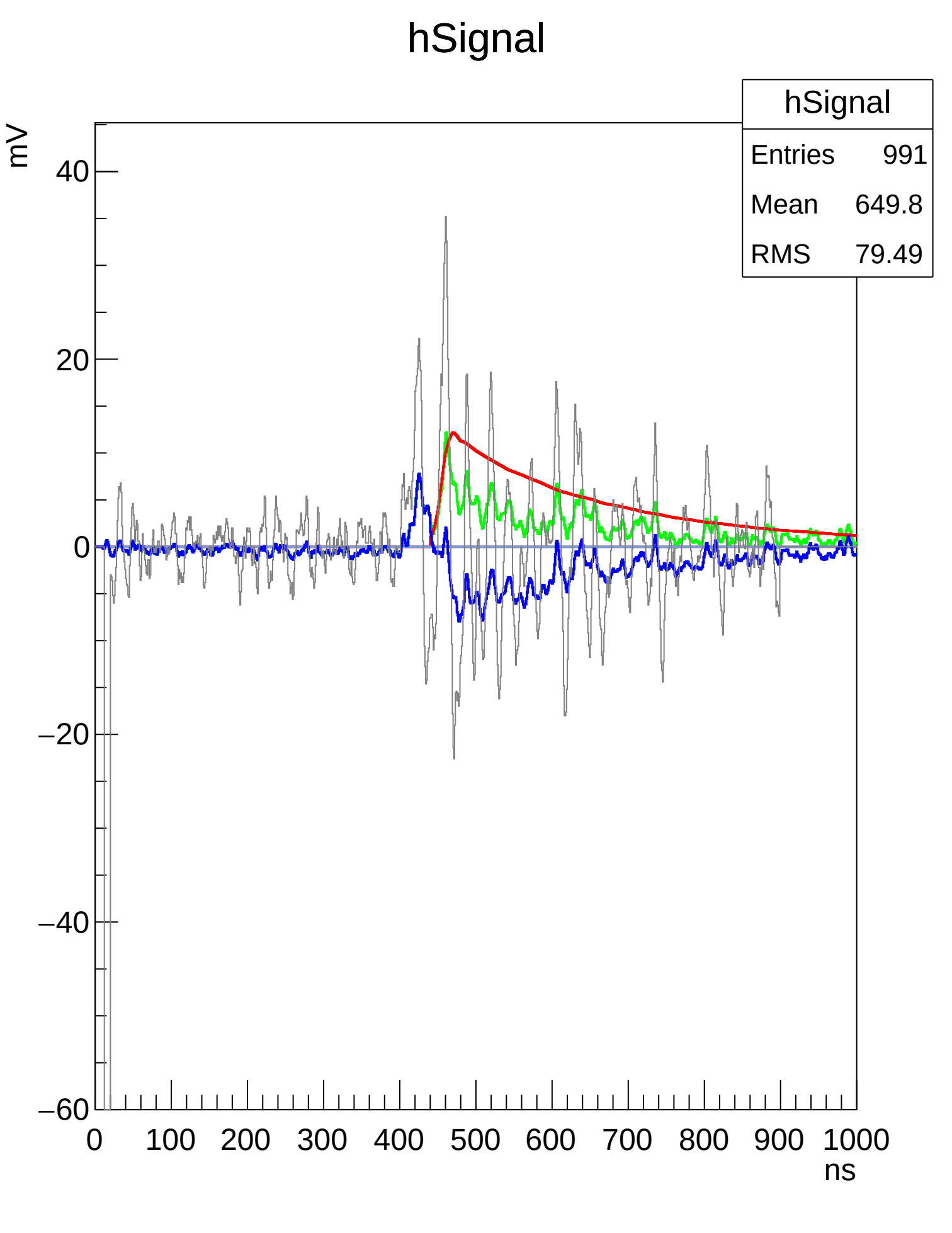
1000
ns


hSignal
hSignal
Entries 991
Mean 649.8
RMS 79.49
mV
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20
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−20
−40
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0
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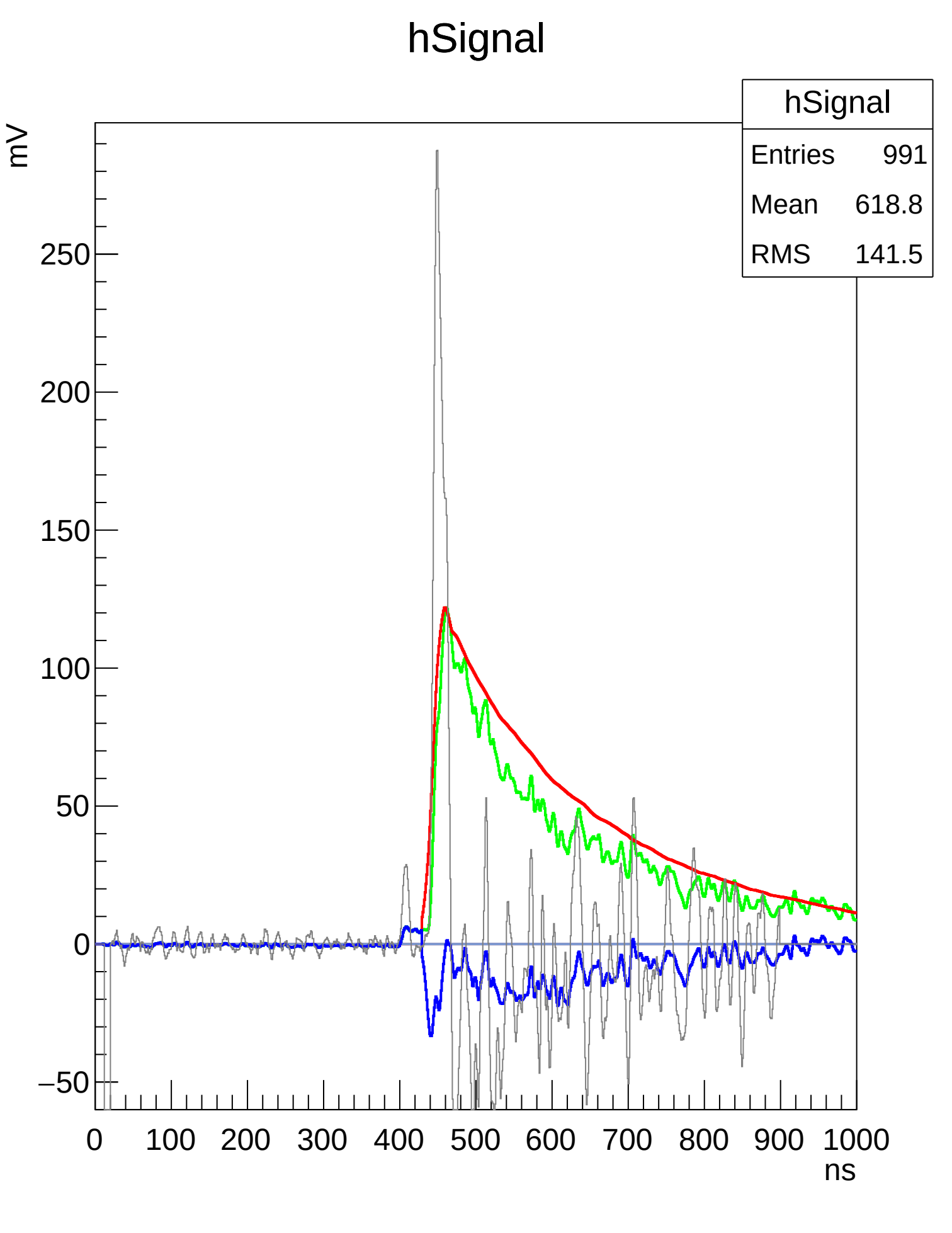
hSignal
hSignal
Entries 991
Mean 618.8
RMS 141.5
mV
250
200
150
100
50
0
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0
100
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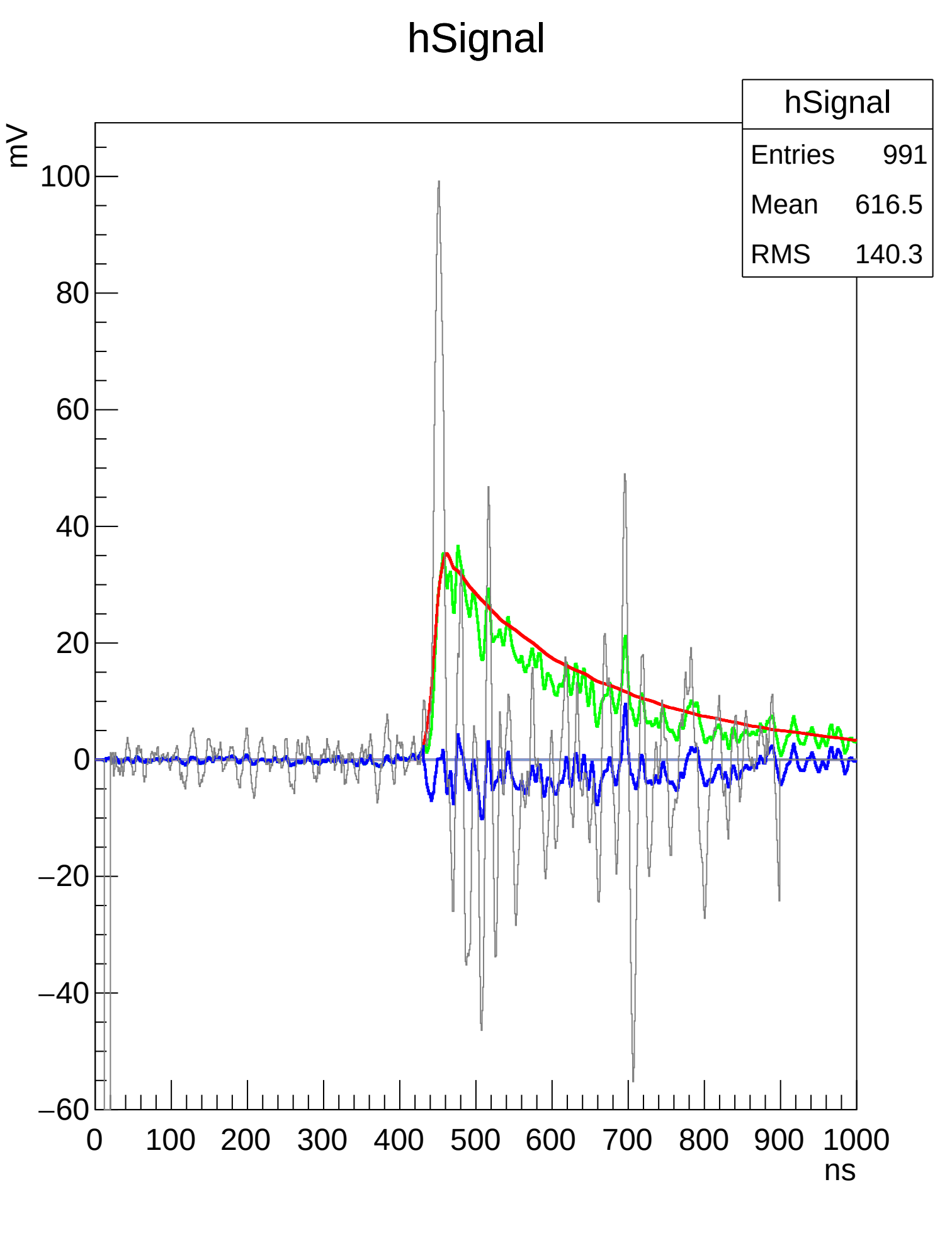
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.5
RMS 140.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
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300
400
500
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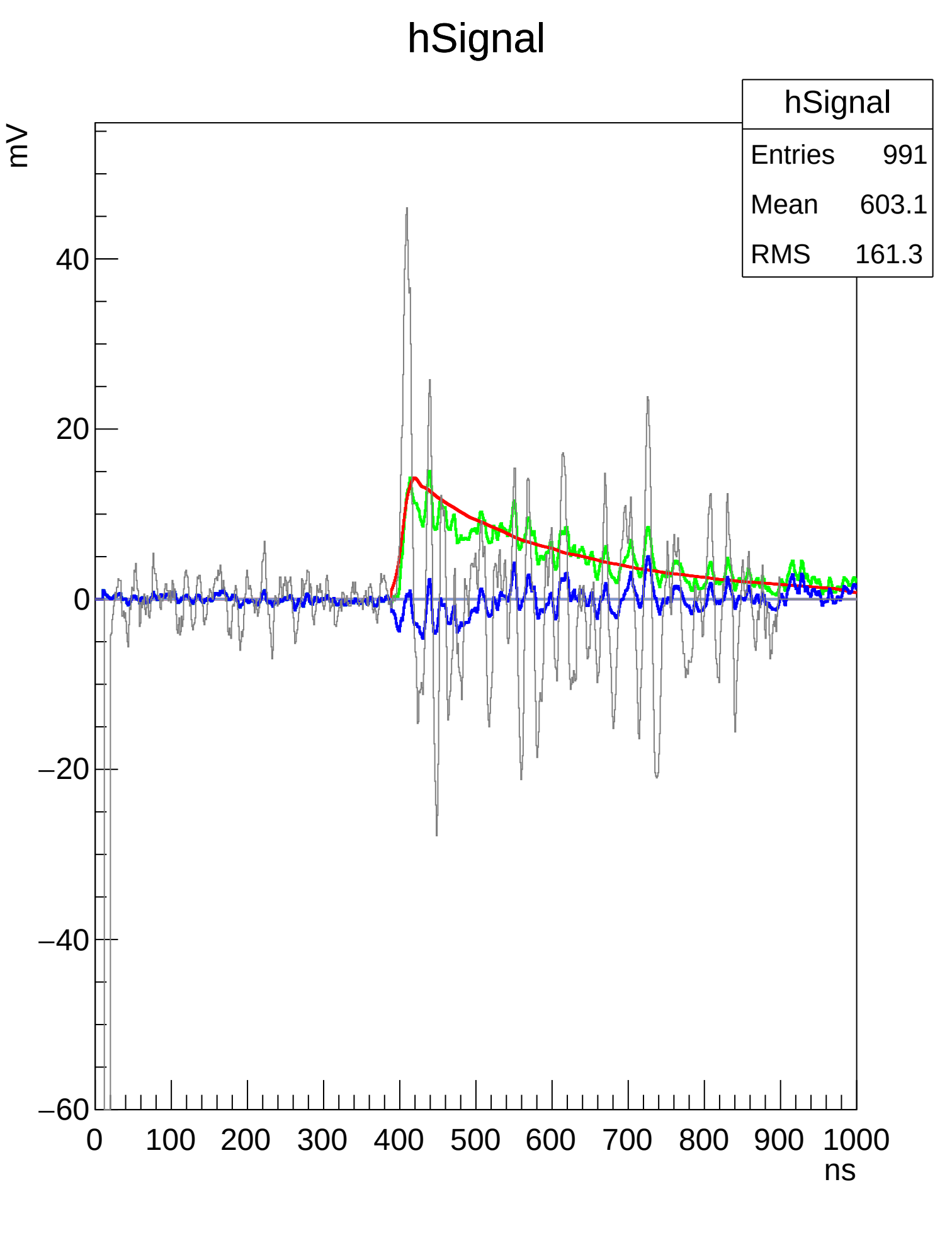
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.1
RMS 161.3
mV
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−20
−40
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0
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800
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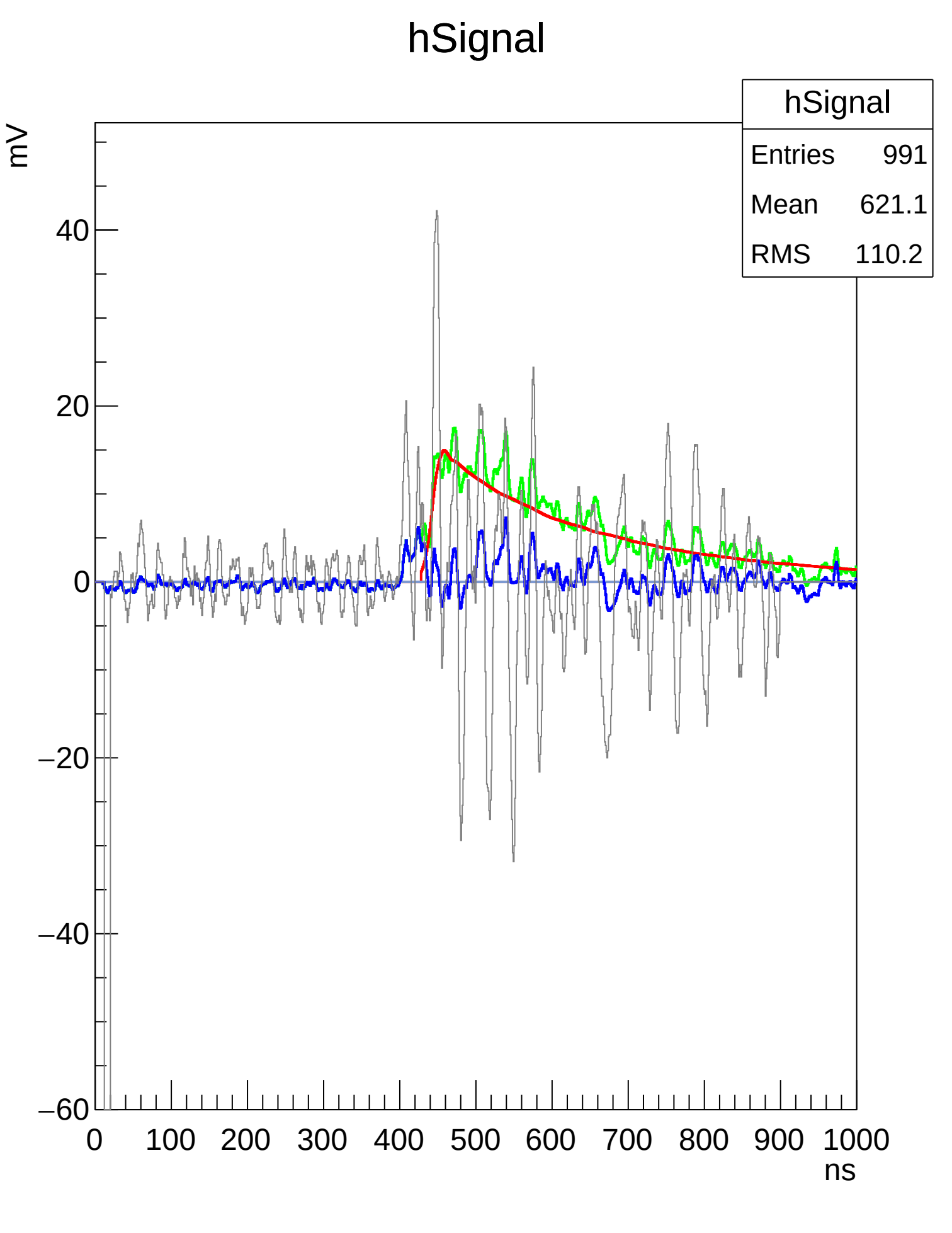
1000
ns


hSignal
hSignal
Entries 991
Mean 621.1
RMS 110.2
mV
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−20
−40
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0
100
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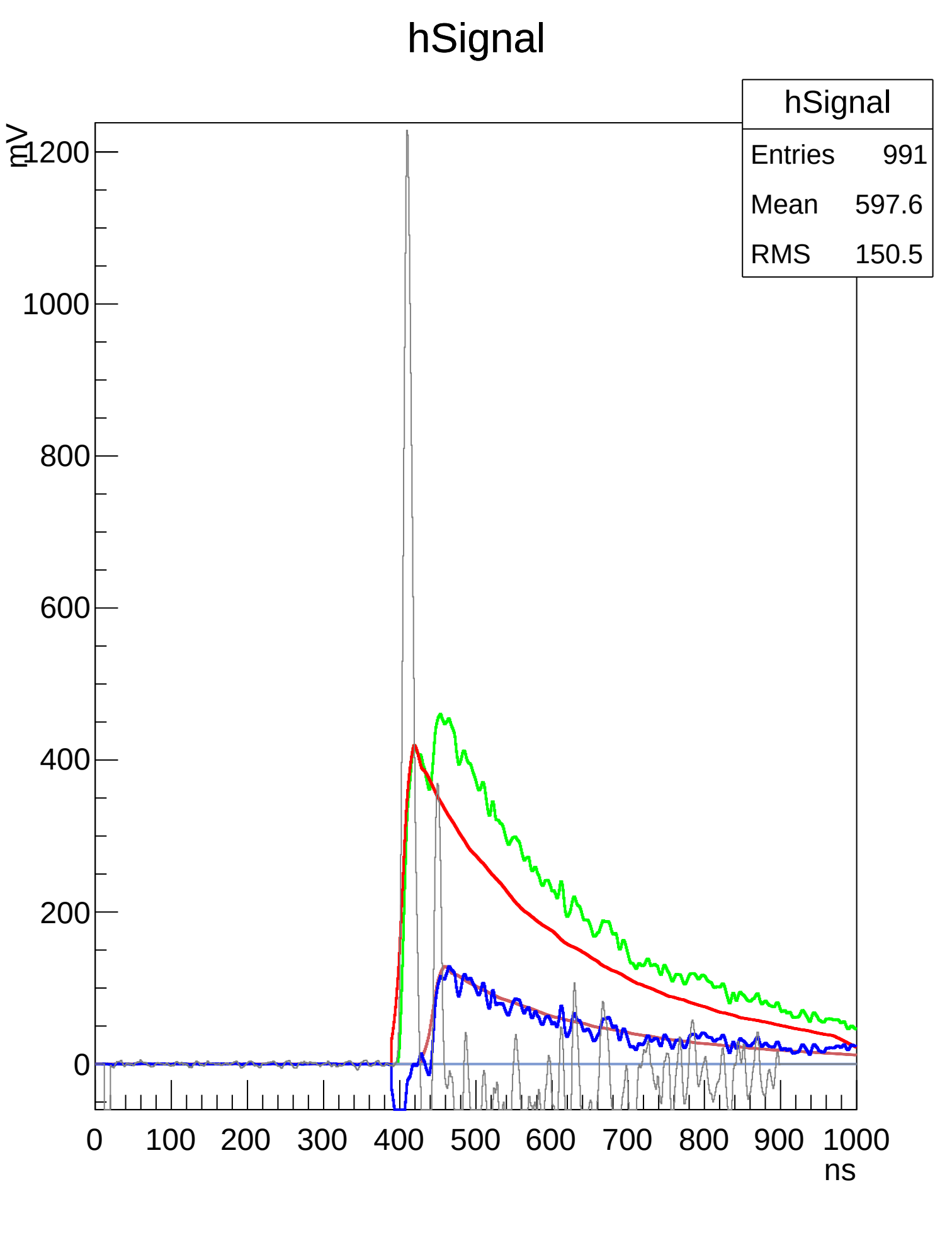
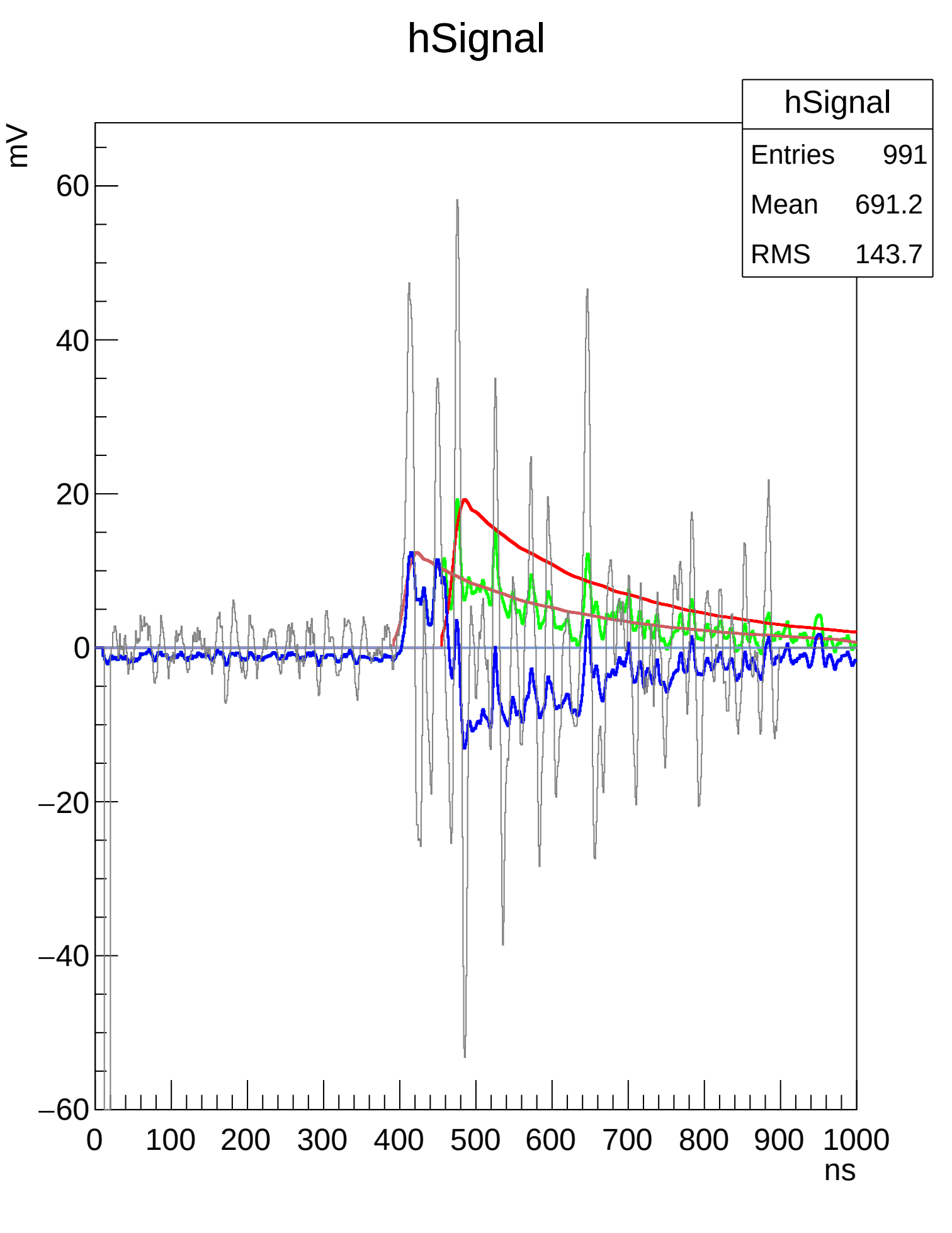
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.6
RMS 150.5
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 691.2
RMS 143.7
mV
60
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20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
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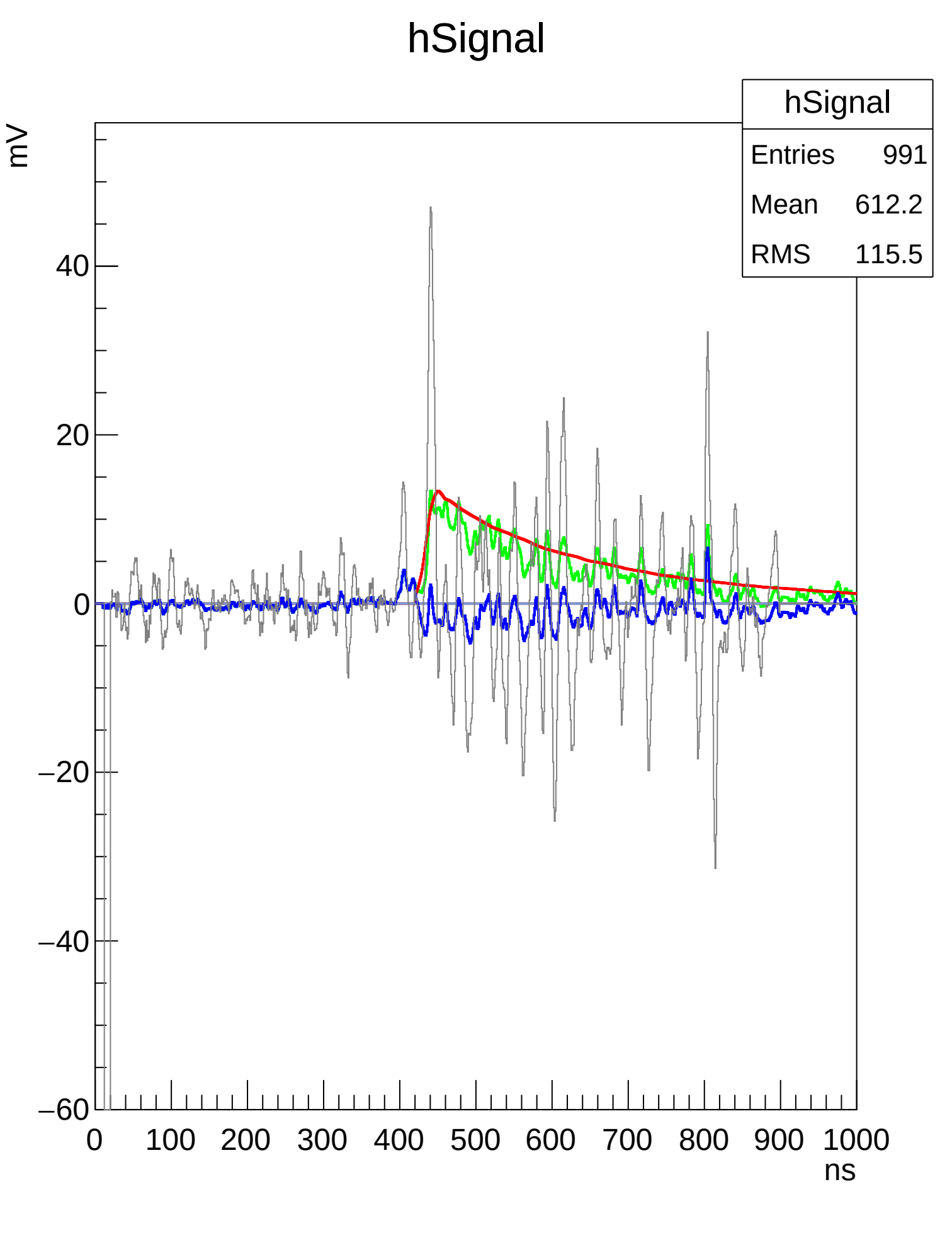
1000
ns


hSignal
hSignal
Entries 991
Mean 612.2
RMS 115.5
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−20
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0
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800
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1000
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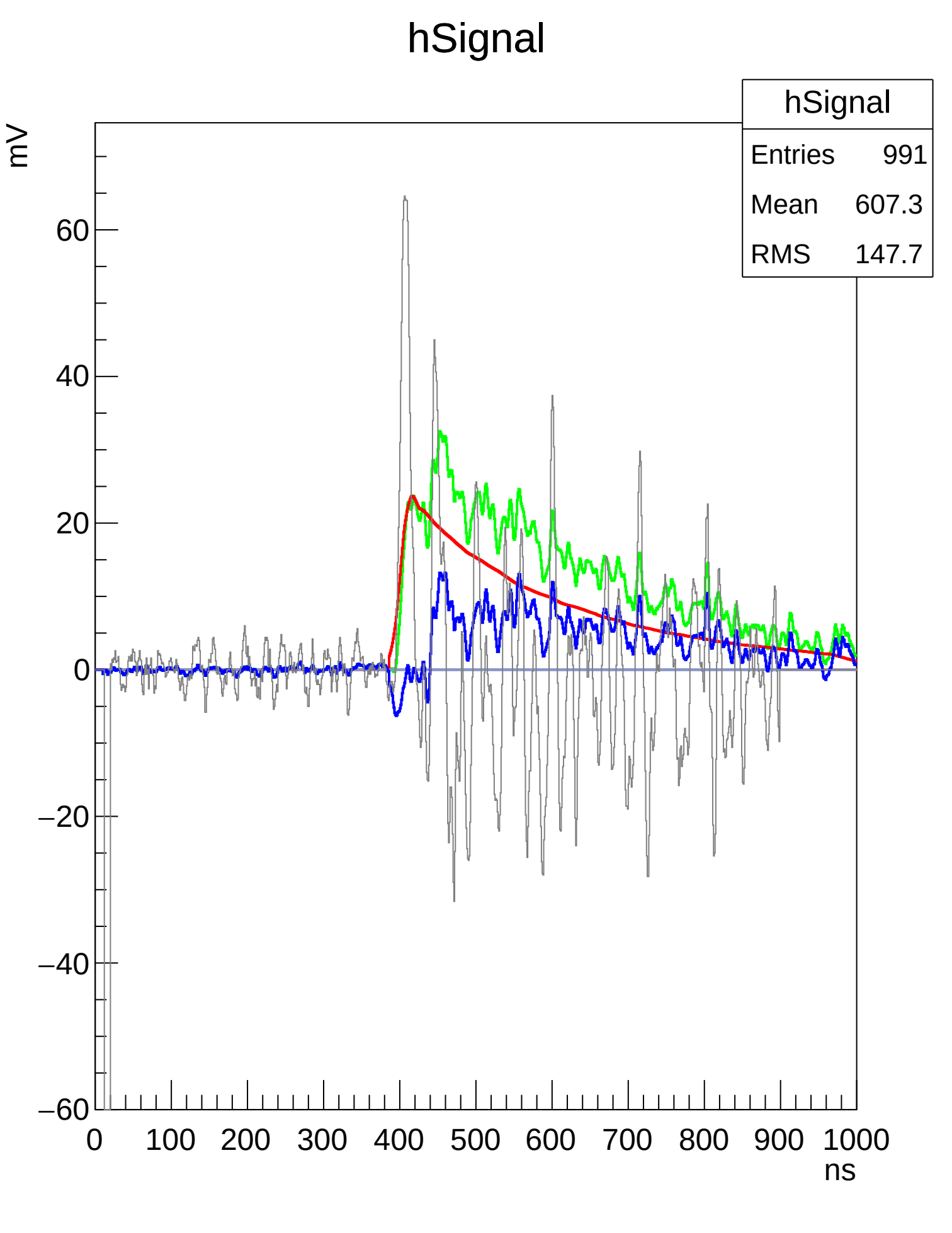
hSignal
hSignal
Entries 991
Mean 607.3
RMS 147.7
mV
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−20
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0
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400
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800
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1000
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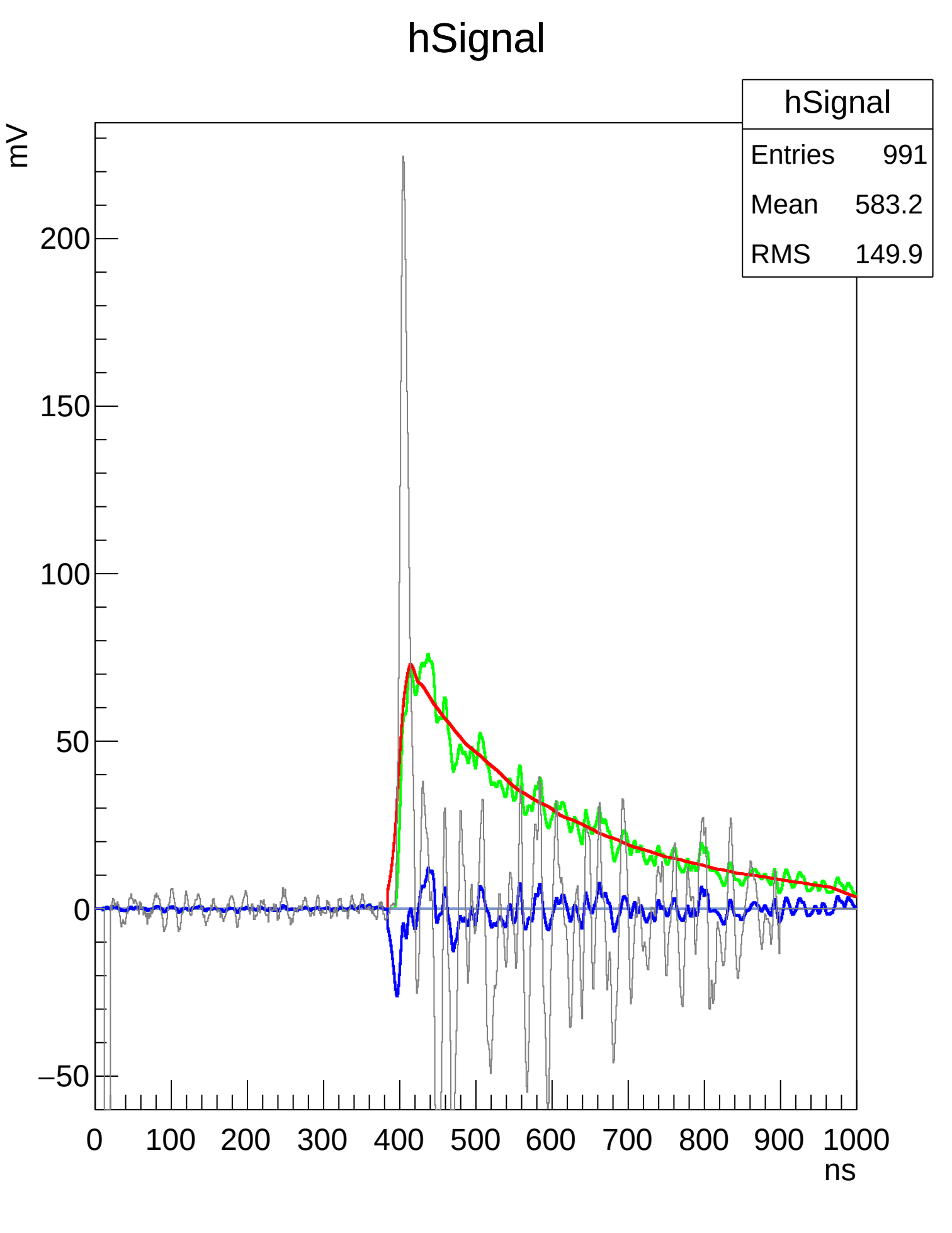
hSignal
hSignal
Entries 991
Mean 583.2
RMS 149.9
mV
200
150
100
50
0
−50
0
100
200
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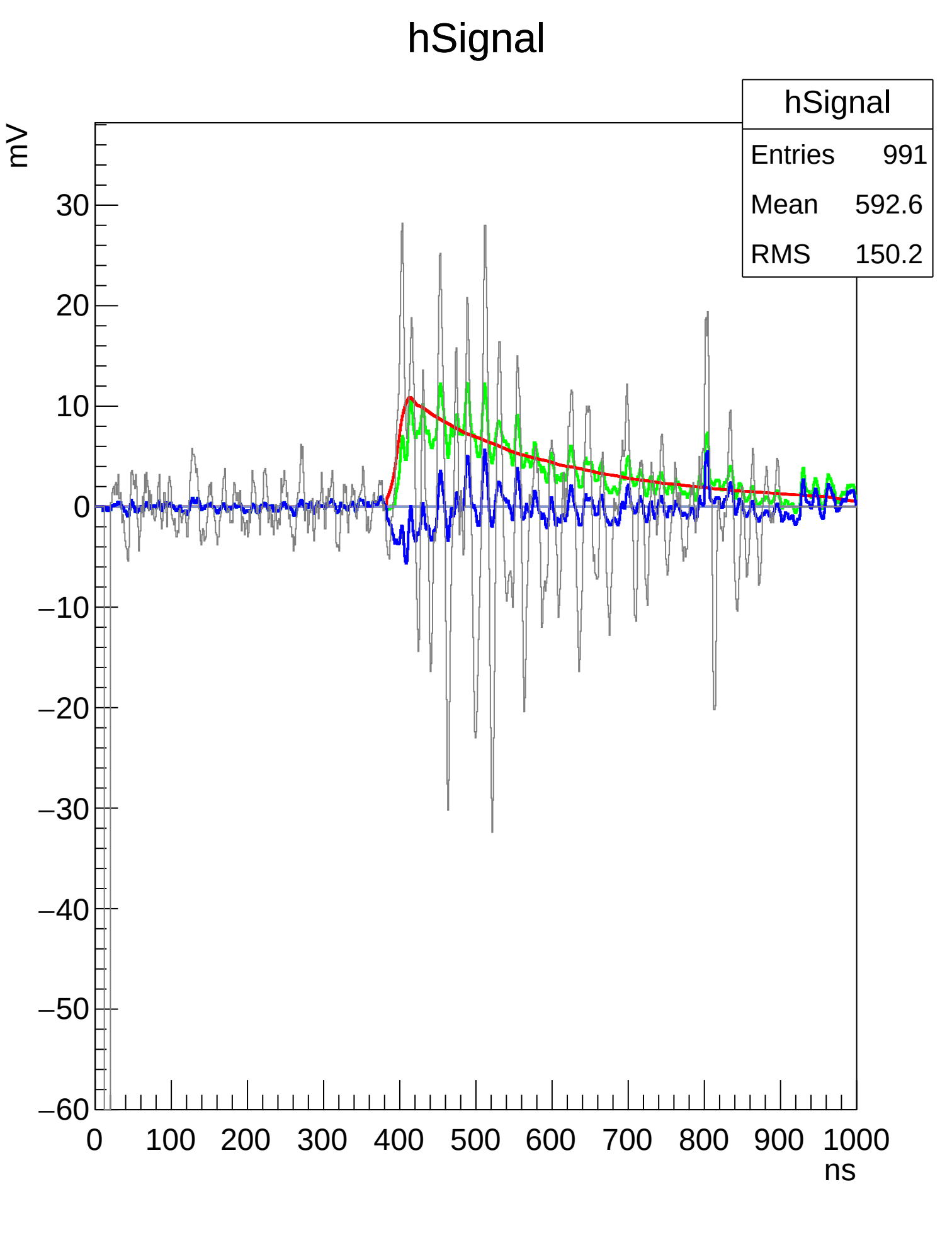
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.6
RMS 150.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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800
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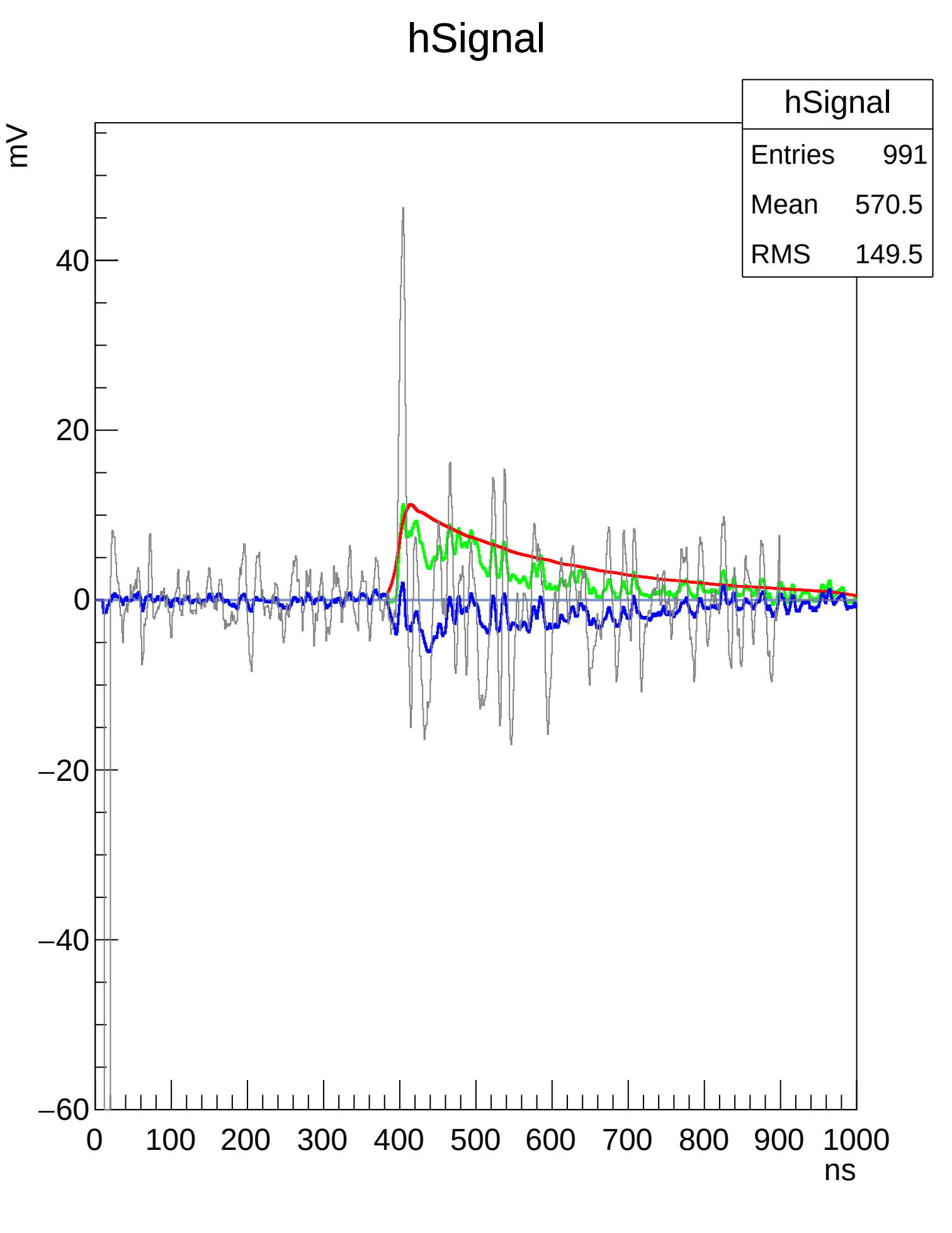
1000
ns


hSignal
hSignal
Entries 991
Mean 570.5
RMS 149.5
mV
40
20
0
−20
−40
−60
0
100
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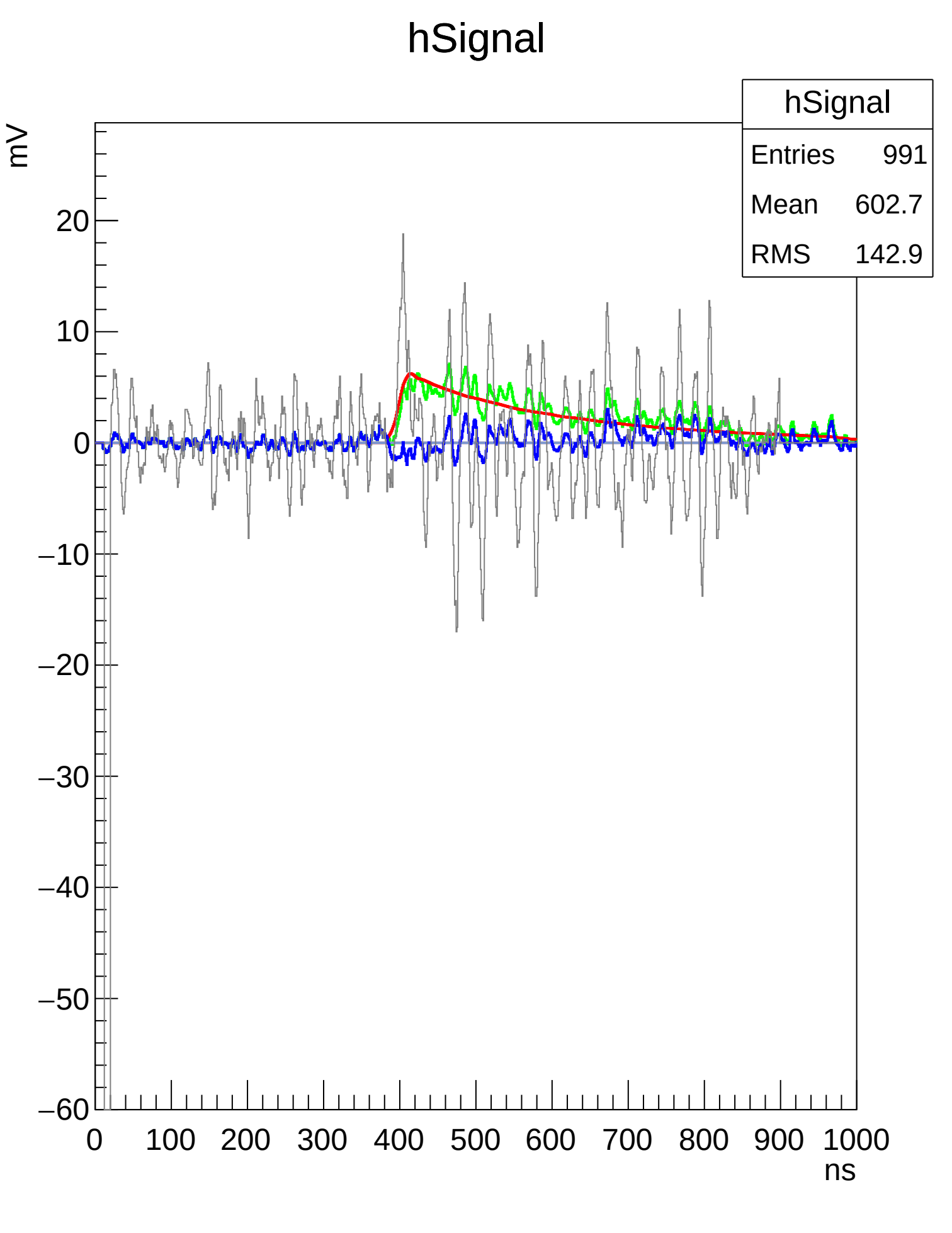
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.7
RMS 142.9
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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800
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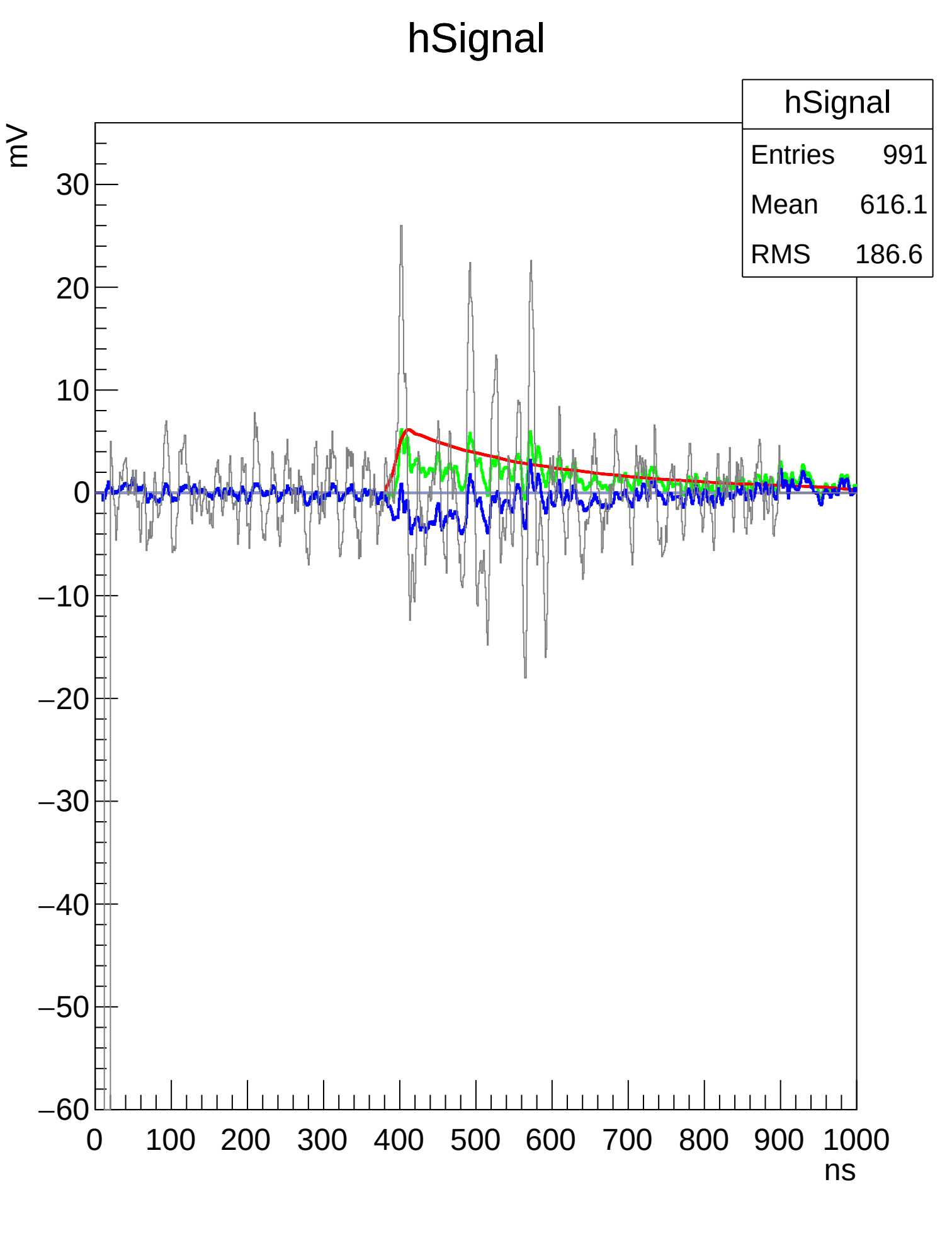
1000
ns


hSignal
hSignal
Entries 991
Mean 616.1
RMS 186.6
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
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800
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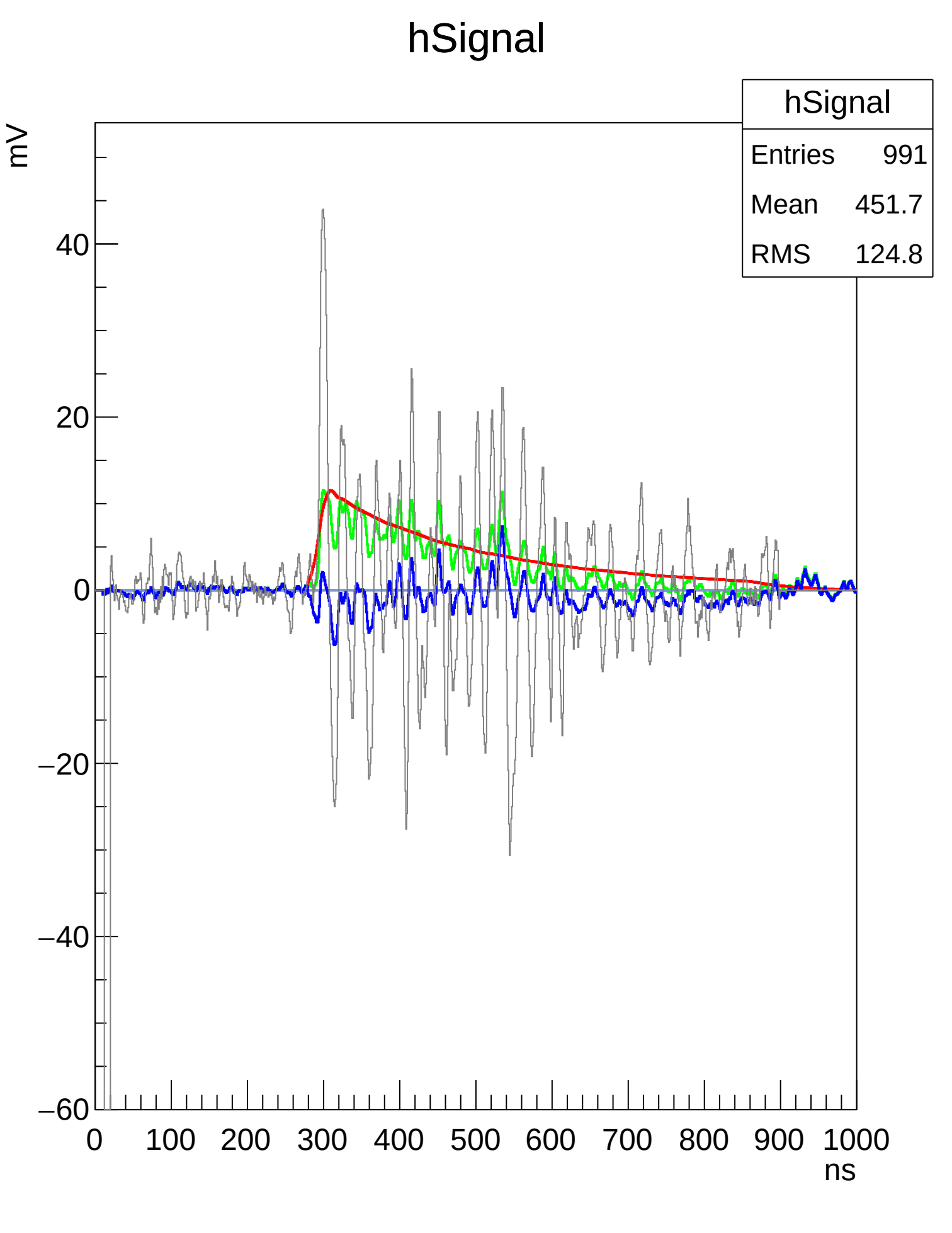
1000
ns


hSignal
hSignal
Entries 991
Mean 451.7
RMS 124.8
mV
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−20
−40
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0
100
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600
700
800
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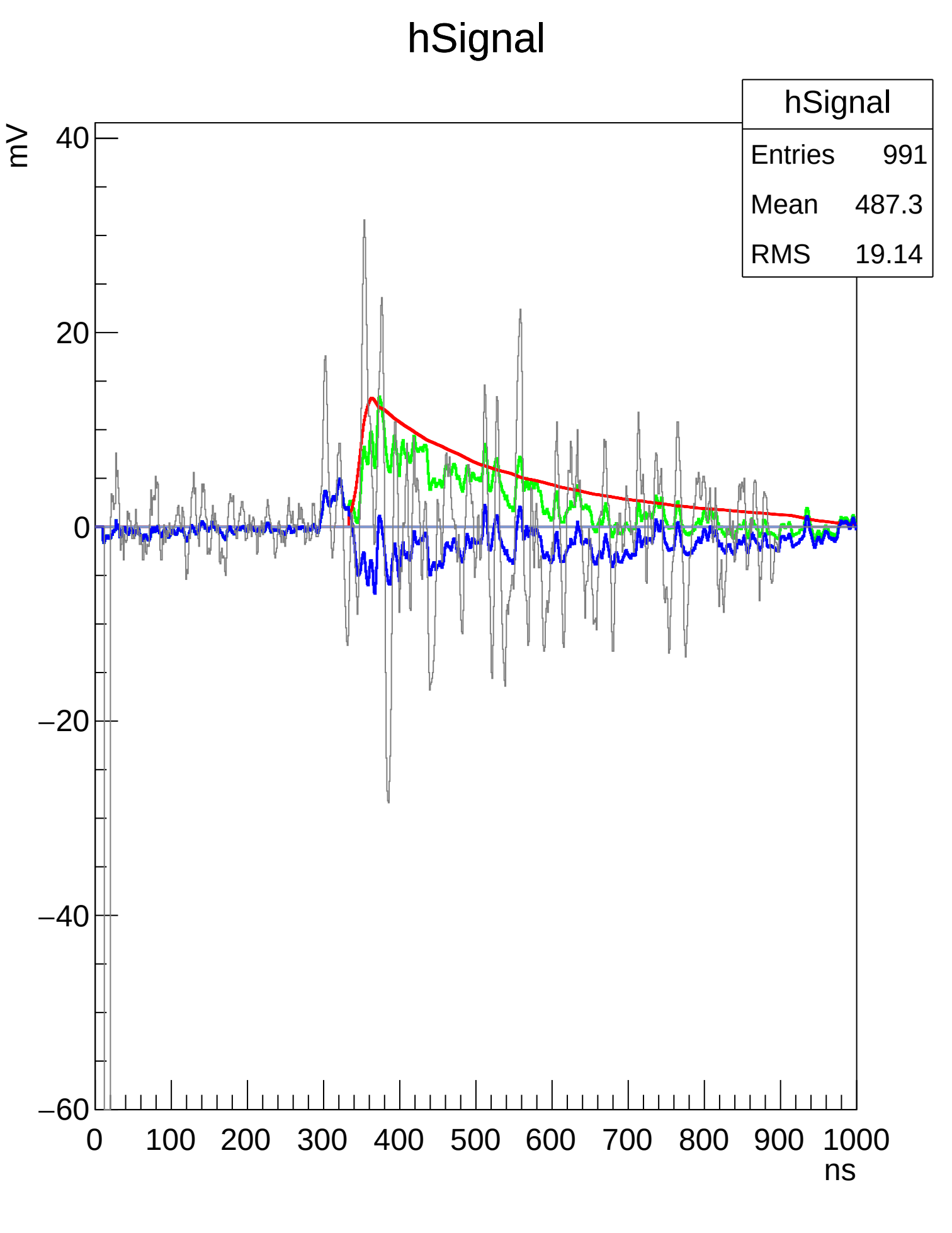
1000
ns


hSignal
hSignal
Entries 991
Mean 487.3
RMS 19.14
mV
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−20
−40
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0
100
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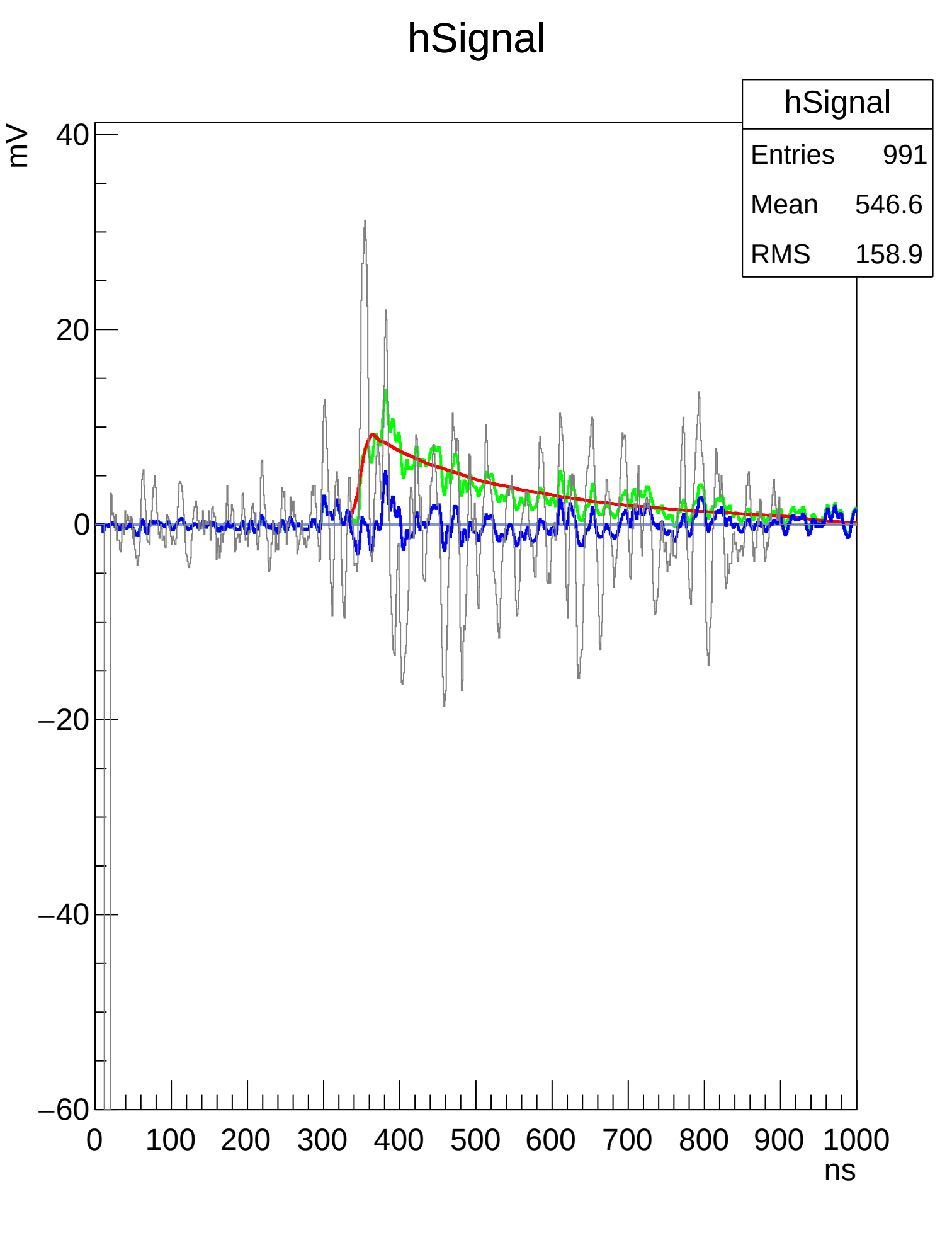
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.6
RMS 158.9
mV
40
20
0
−20
−40
−60
0
100
200
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400
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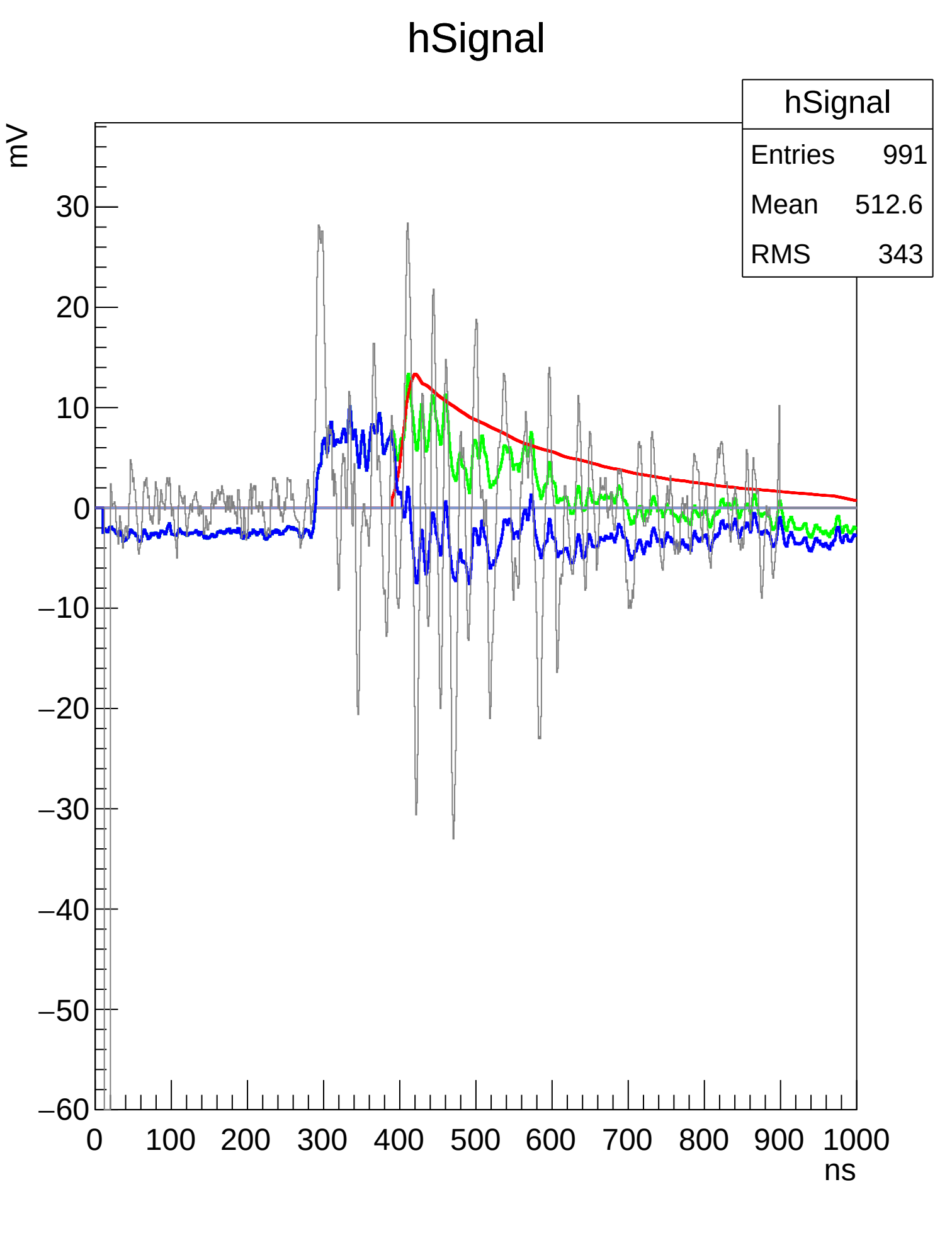
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.6
RMS 343
mV
30
20
10
0
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−20
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−40
−50
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0
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800
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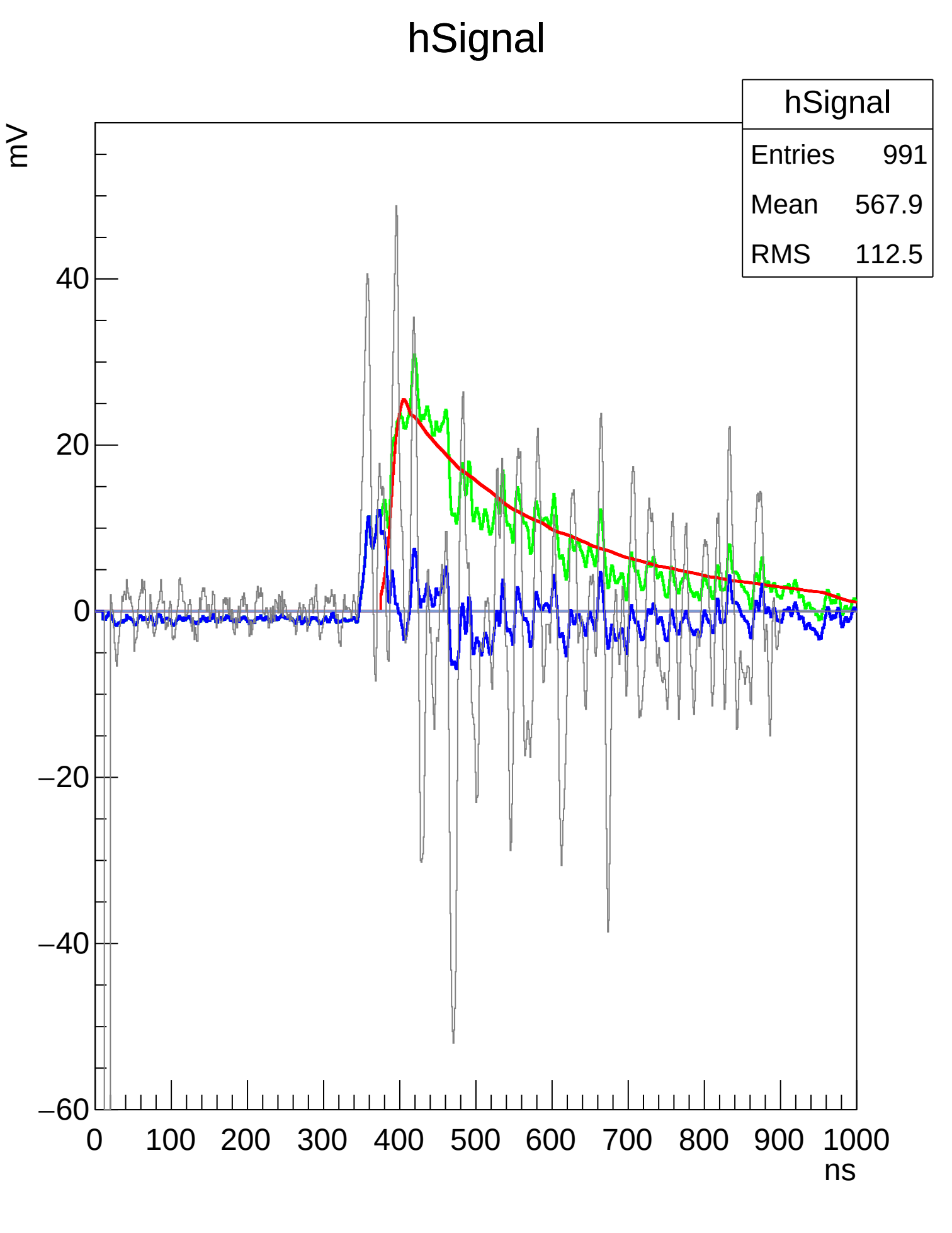
1000
ns


hSignal
hSignal
Entries 991
Mean 567.9
RMS 112.5
mV
40
20
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−20
−40
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0
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600
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800
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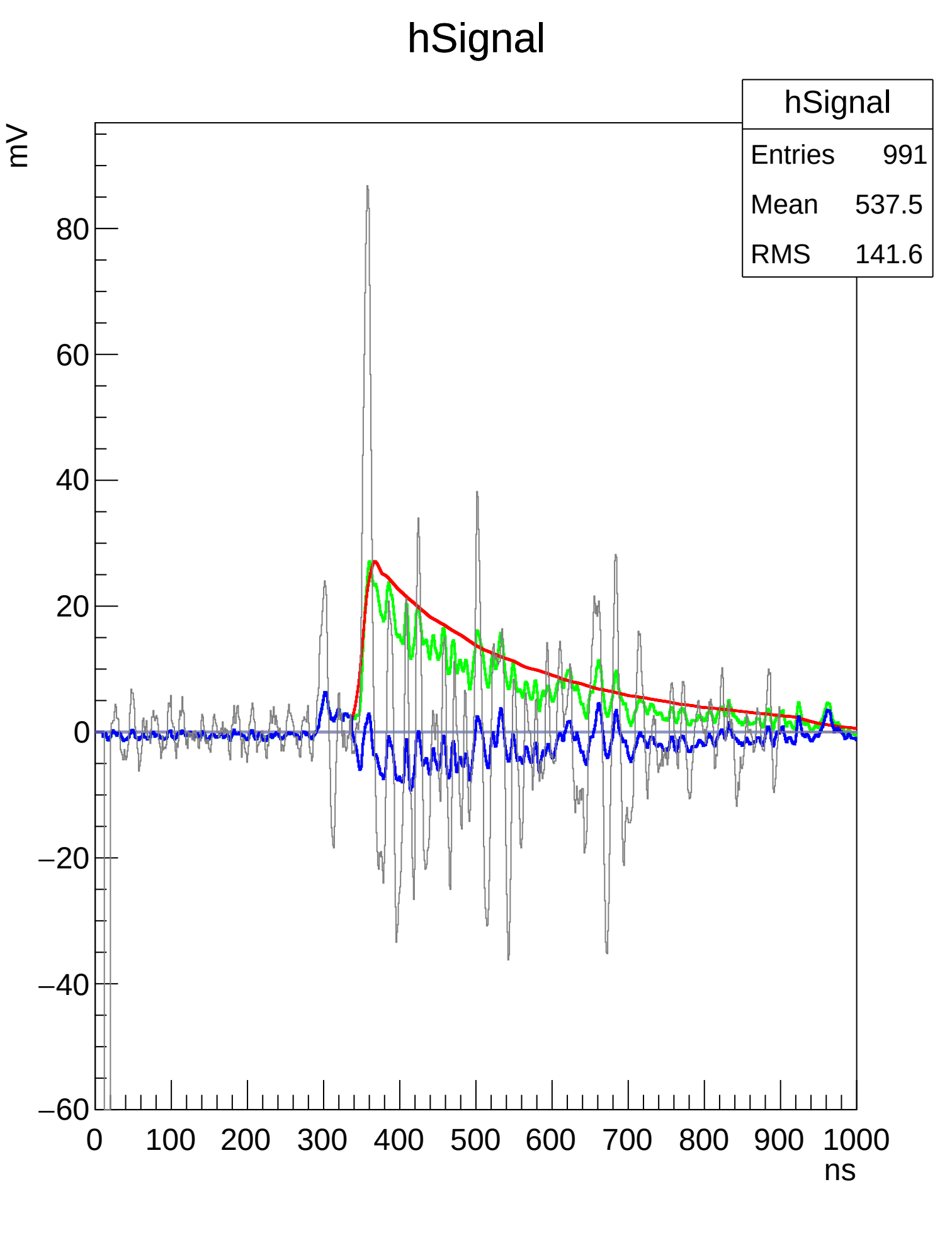
1000
ns


hSignal
hSignal
Entries 991
Mean 537.5
RMS 141.6
mV
80
60
40
20
0
−20
−40
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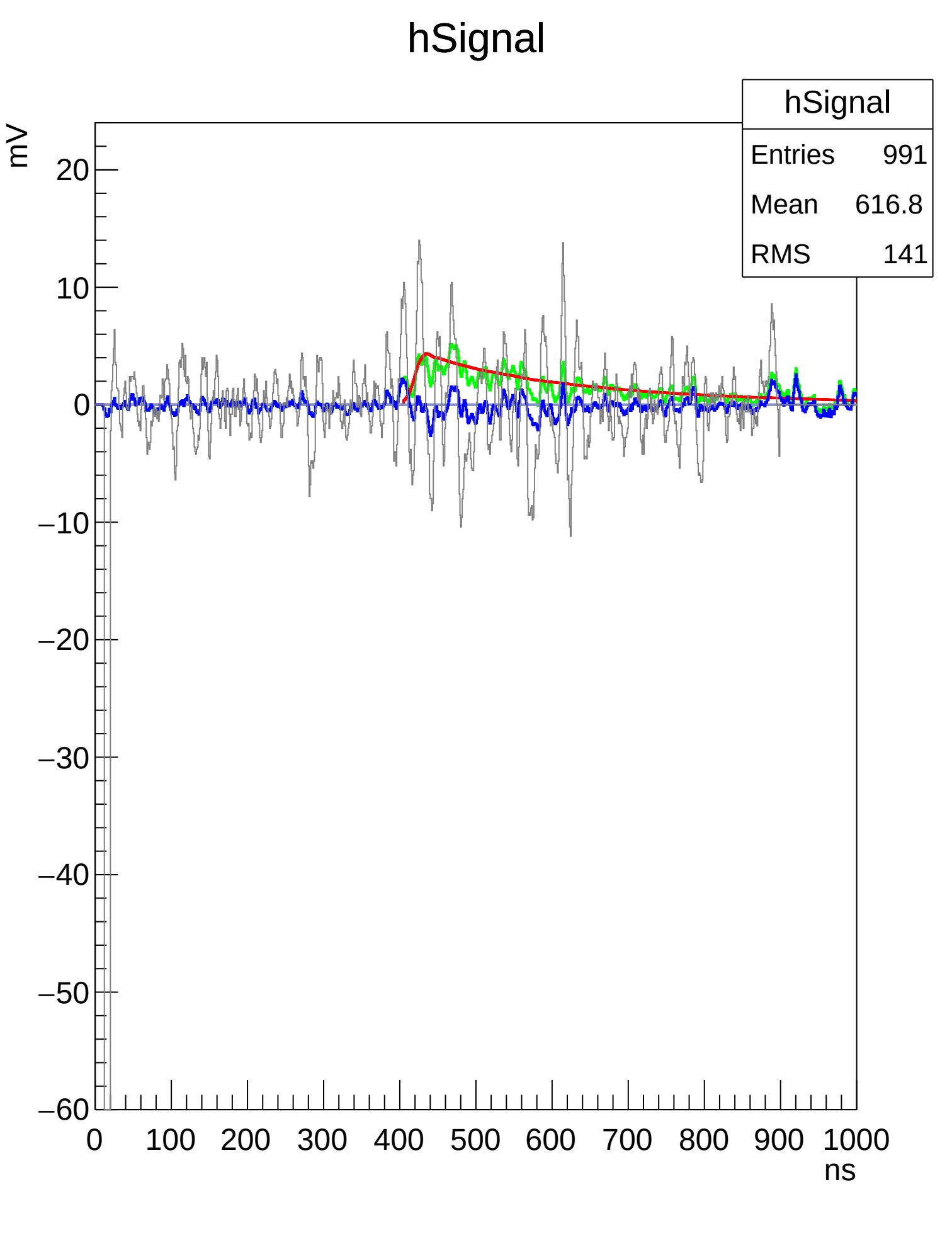
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.8
RMS 141
mV
20
10
0
−10
−20
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−40
−50
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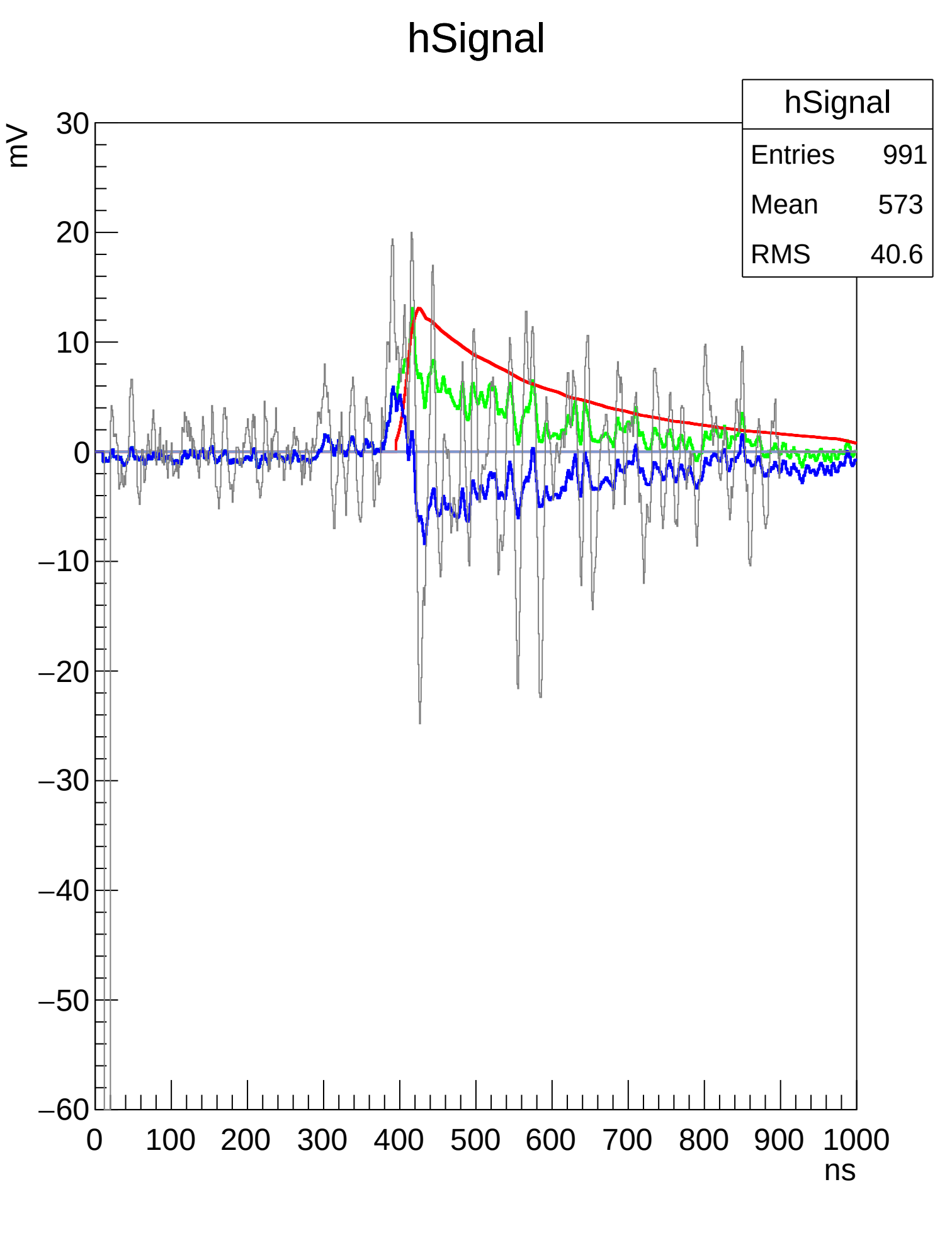
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 573
RMS 40.6
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
600
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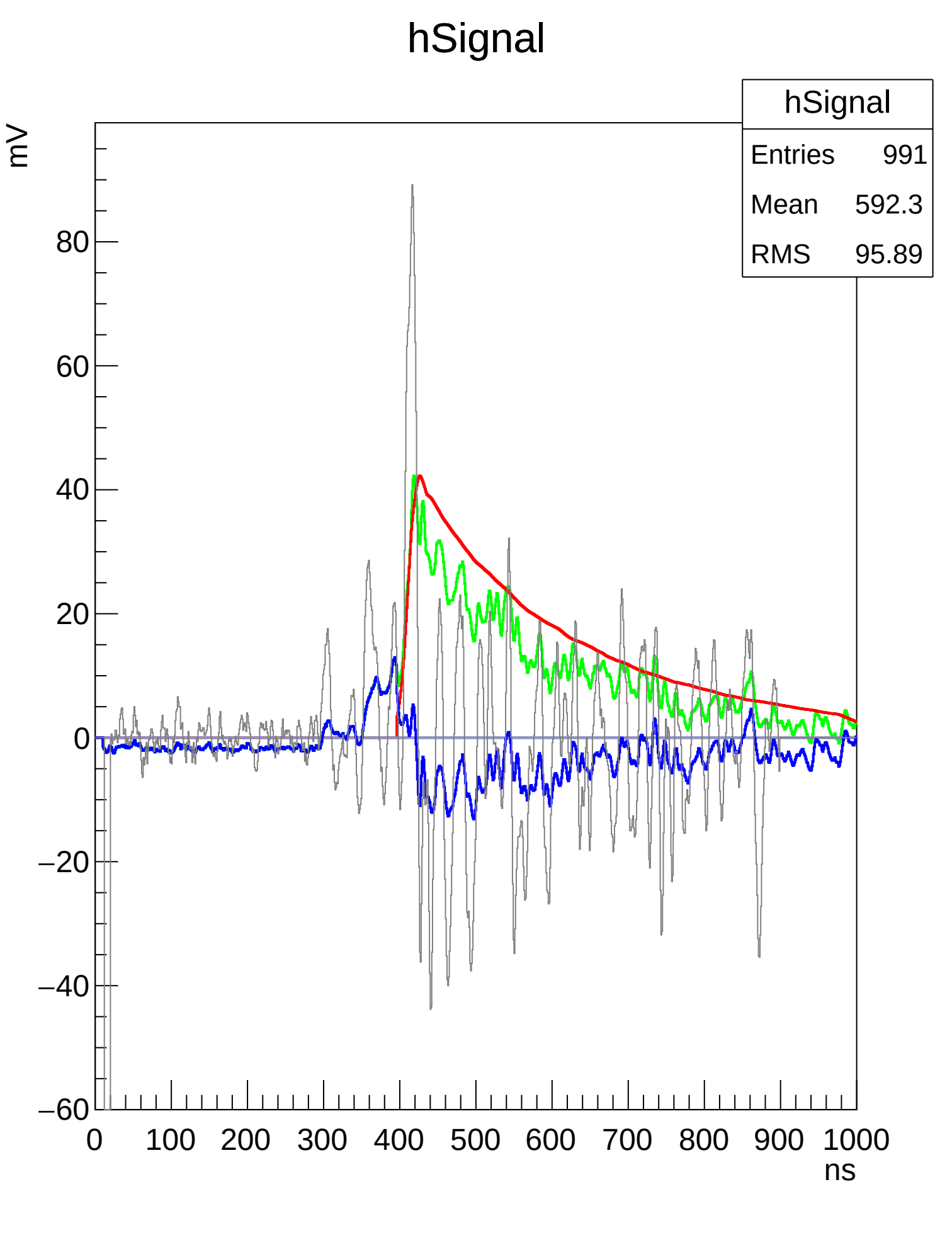
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.3
RMS 95.89
mV
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60
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−20
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0
100
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400
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800
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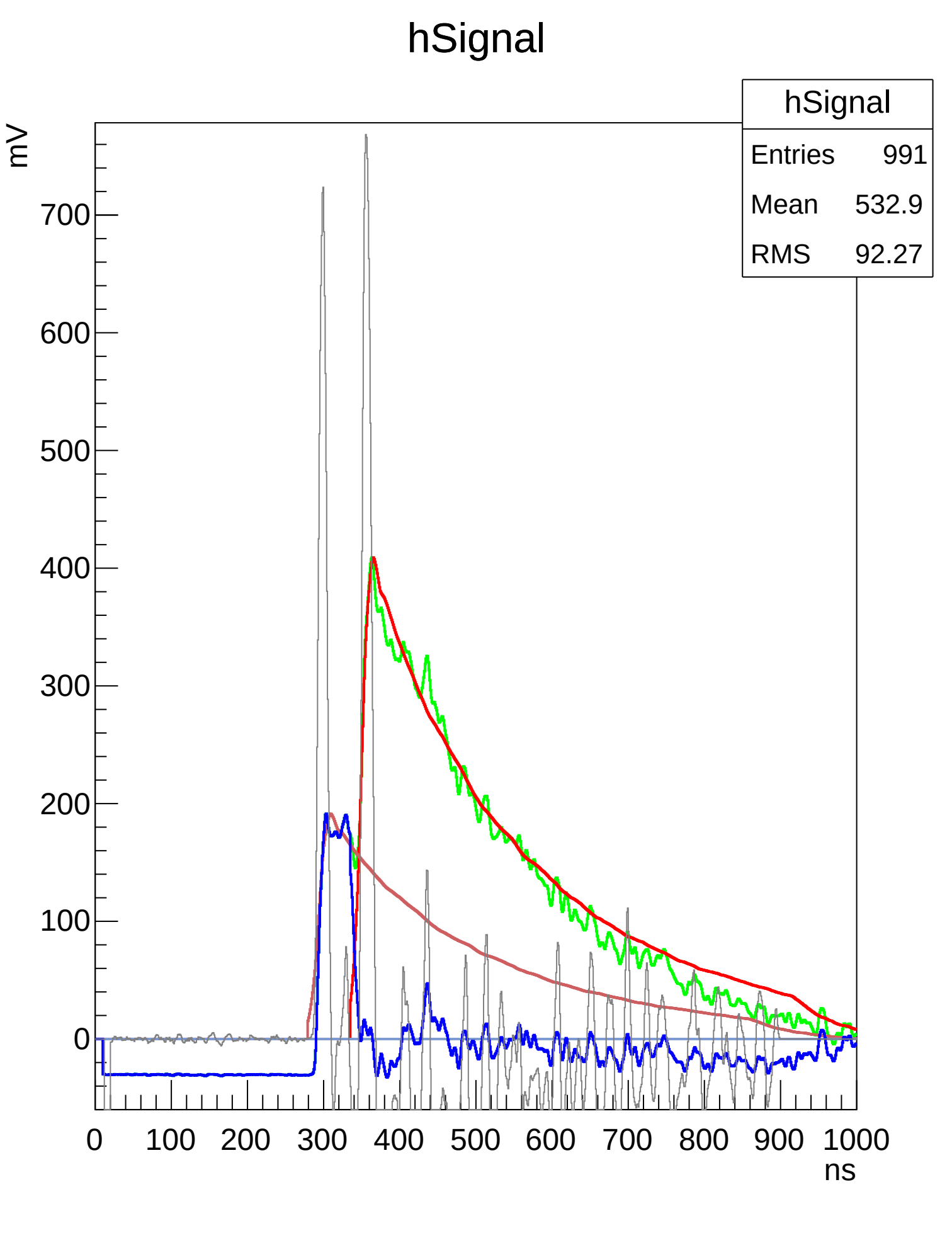
hSignal
hSignal
Entries 991
Mean 532.9
RMS 92.27
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600
500
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300
200
100
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400
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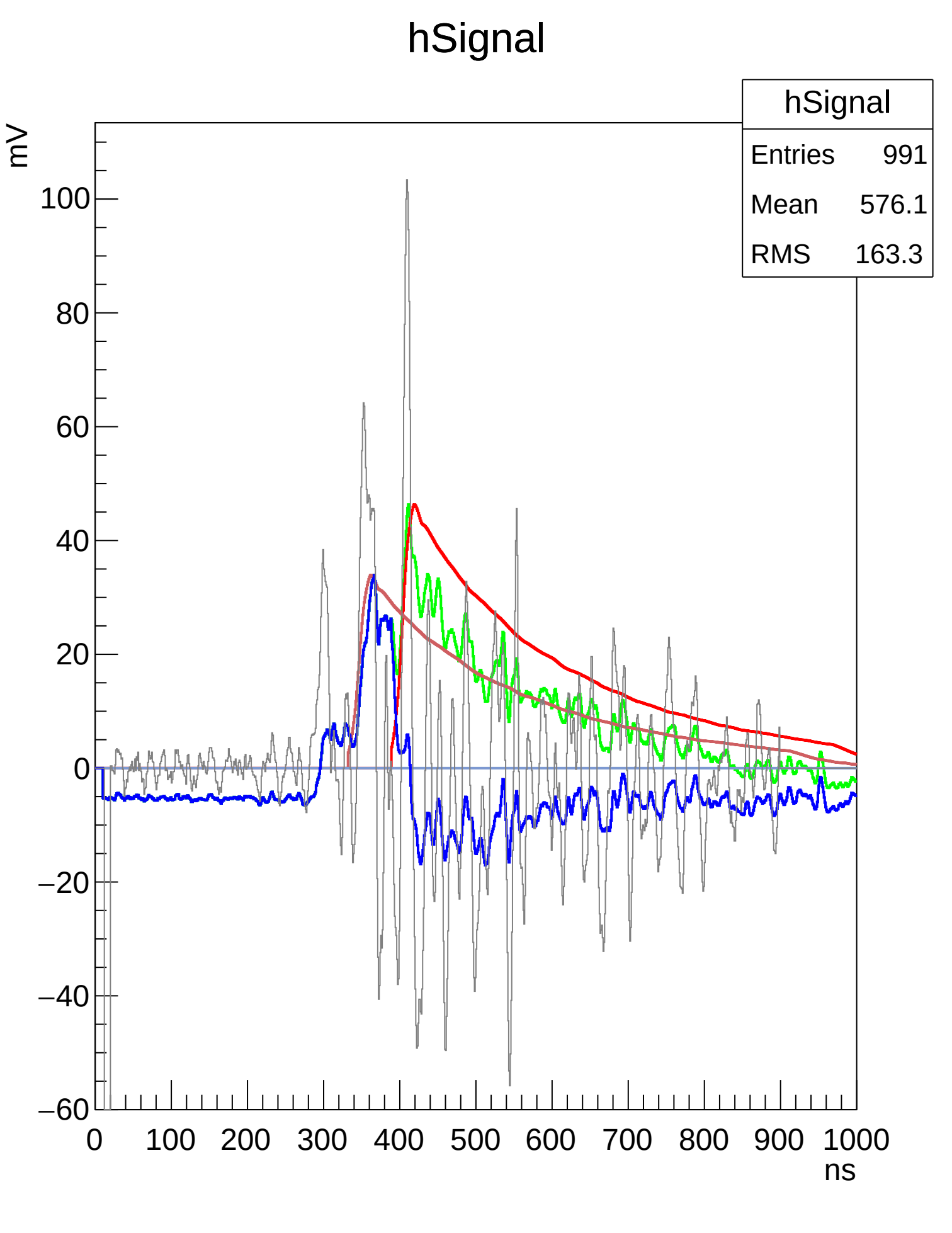
hSignal
hSignal
Entries 991
Mean 576.1
RMS 163.3
mV
100
80
60
40
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−40
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400
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800
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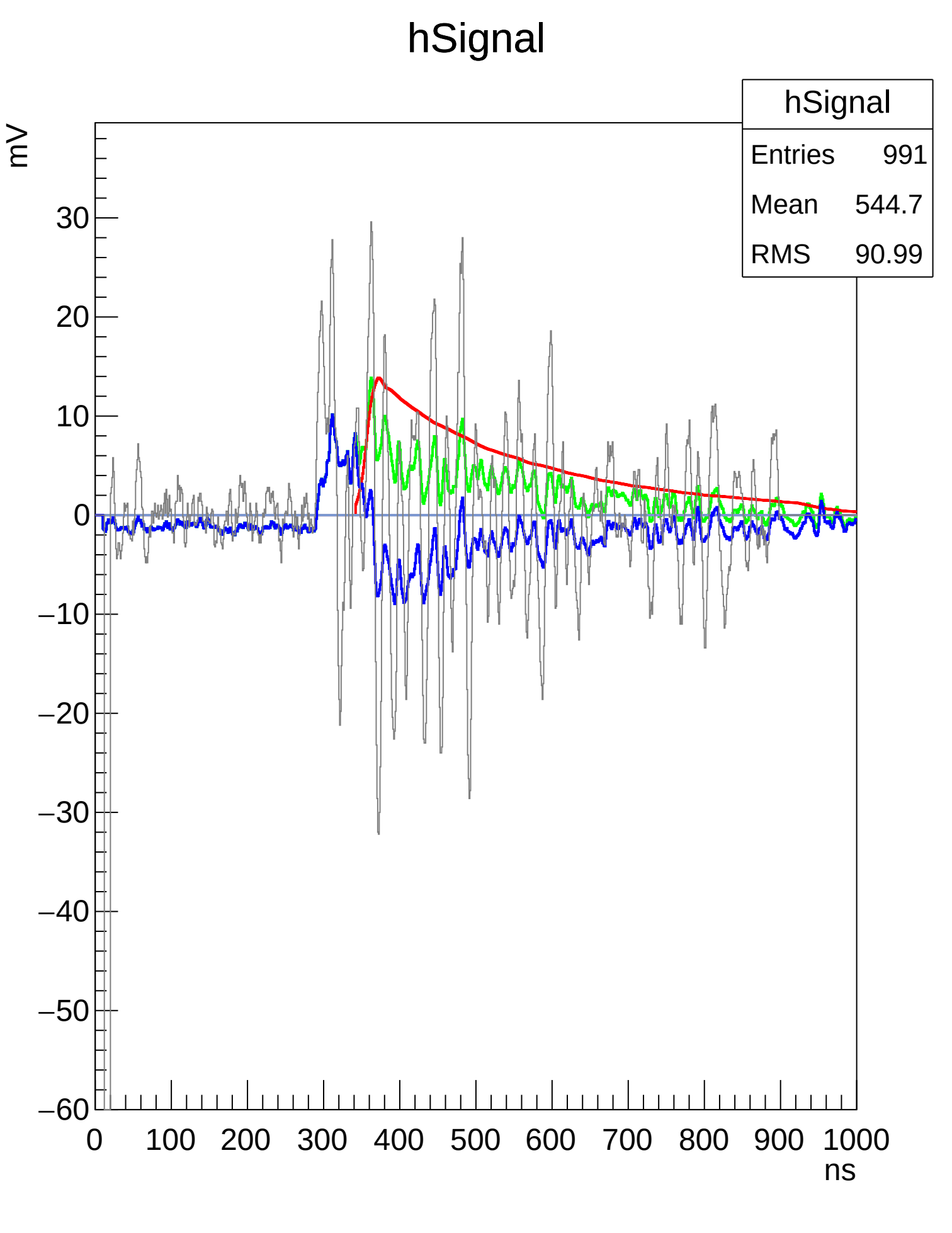
1000
ns


hSignal
hSignal
Entries 991
Mean 544.7
RMS 90.99
mV
30
20
10
0
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−50
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0
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400
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1000
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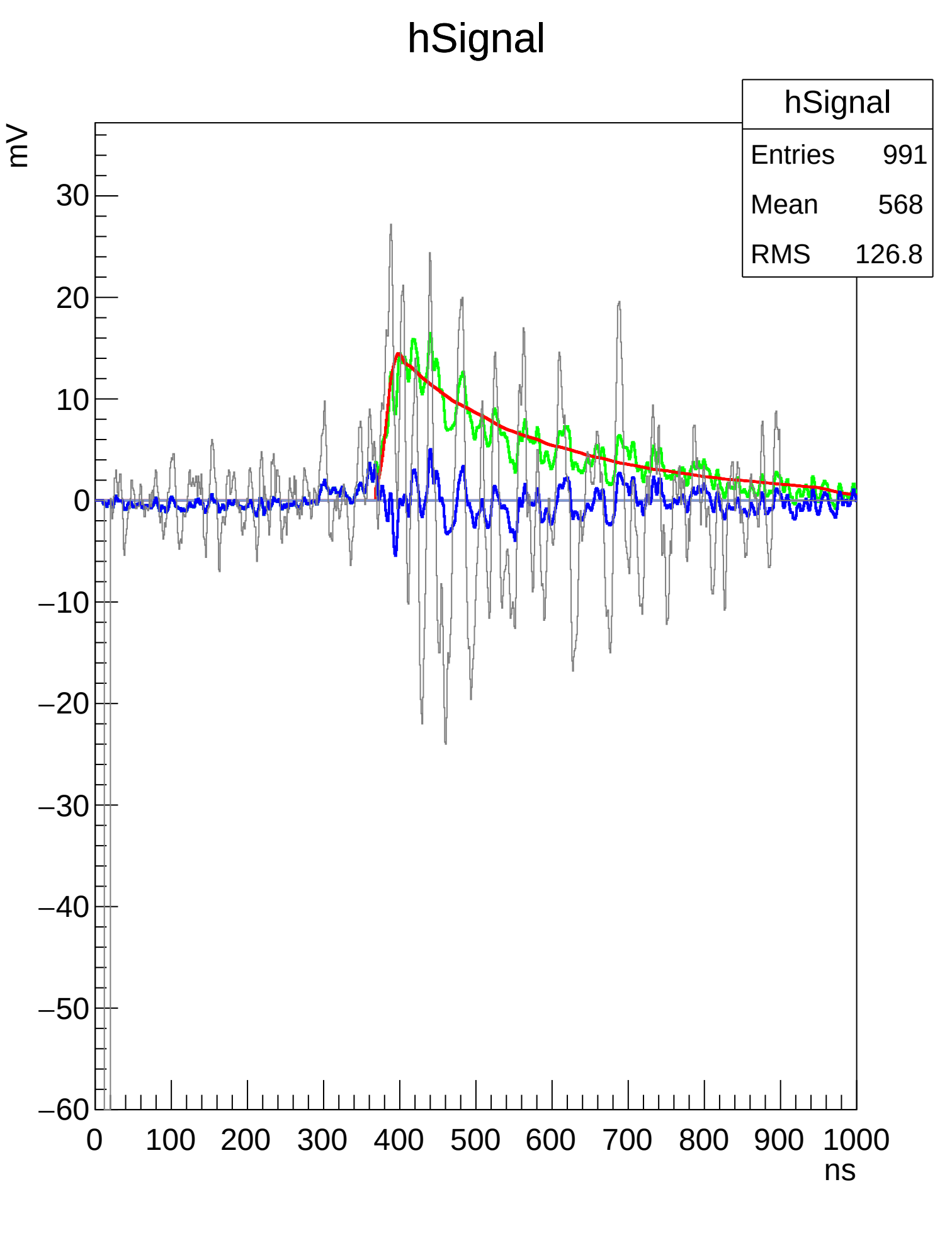
hSignal
hSignal
Entries 991
Mean 568
RMS 126.8
mV
30
20
10
0
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−40
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0
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400
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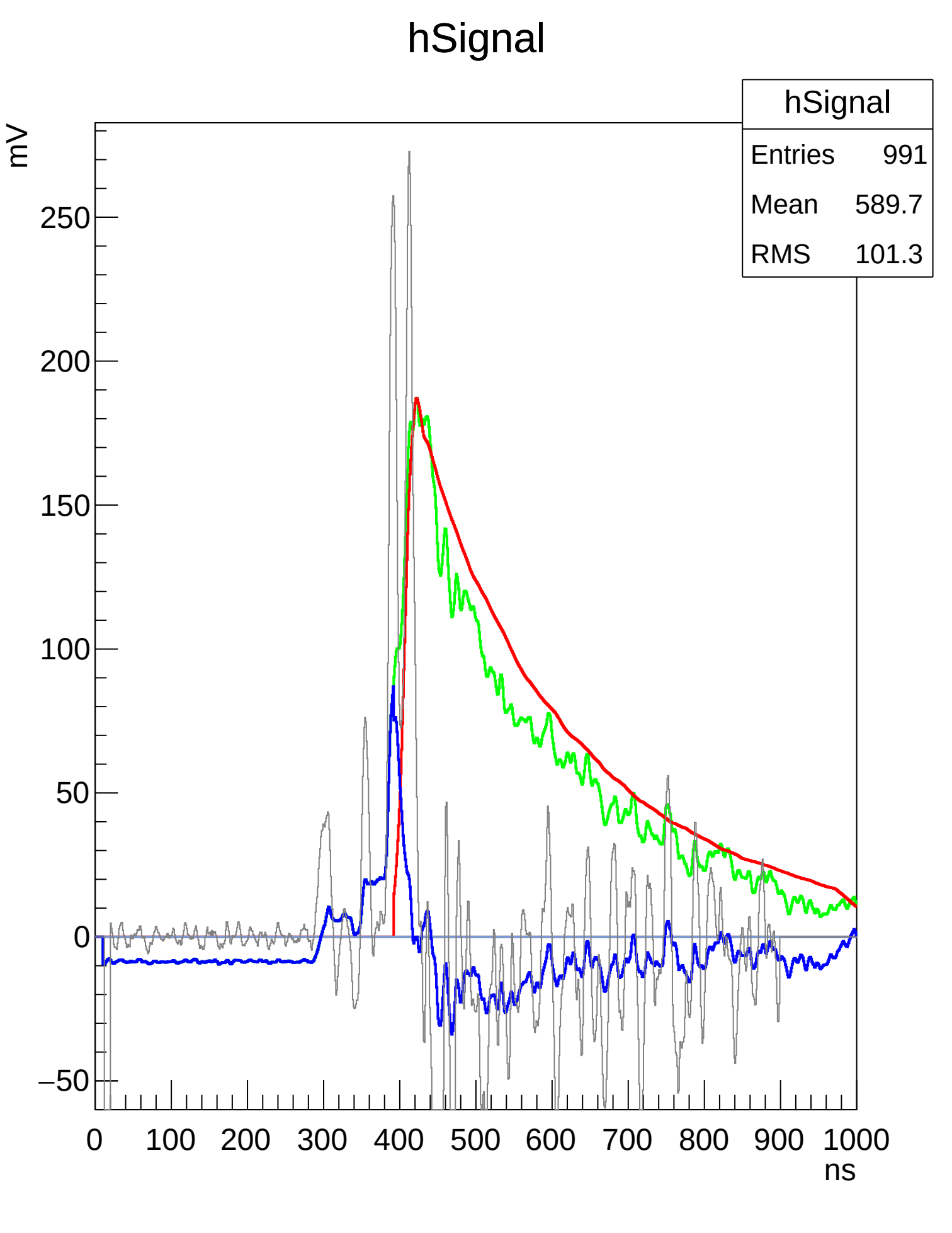
hSignal
hSignal
Entries 991
Mean 589.7
RMS 101.3
mV
250
200
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100
50
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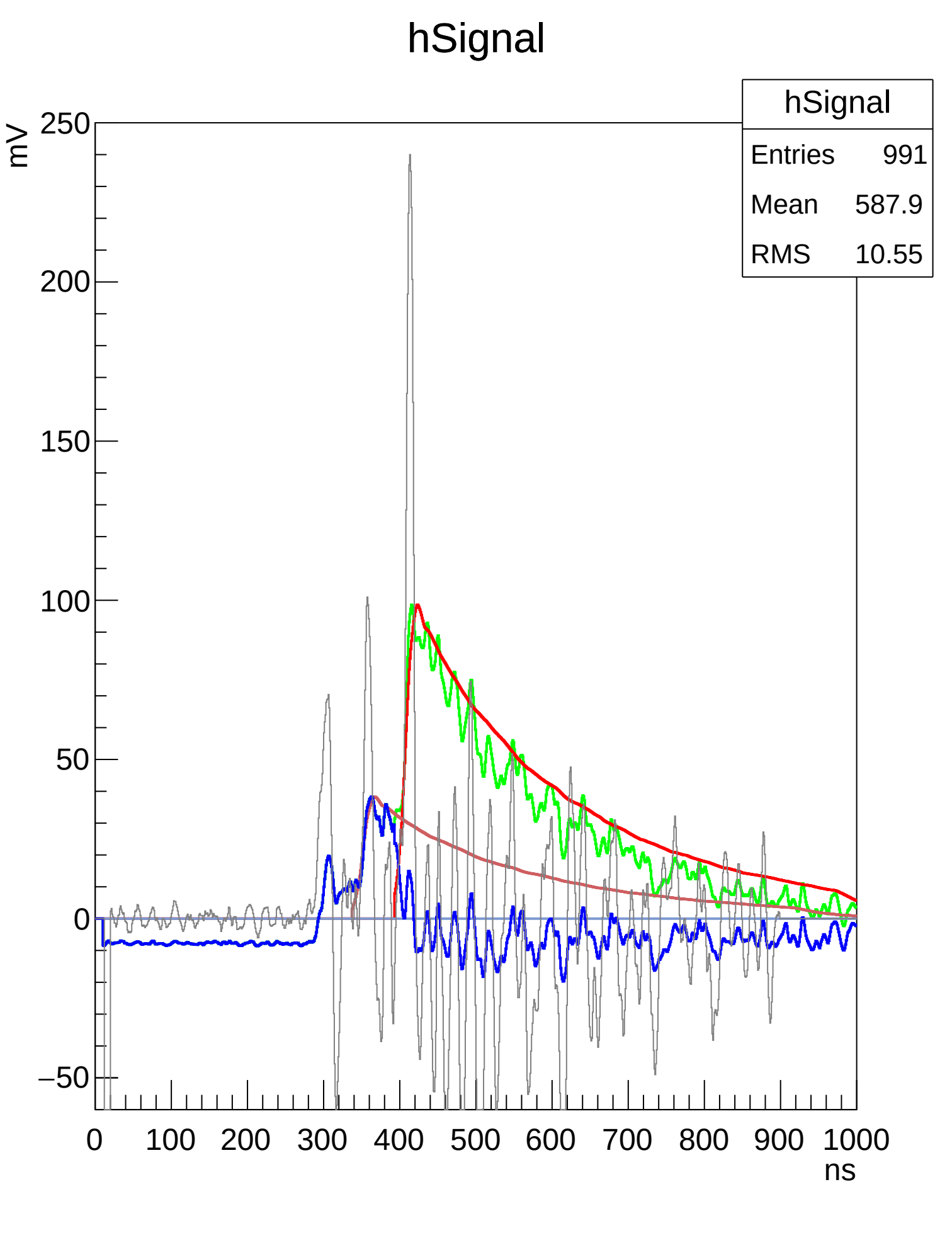
hSignal
hSignal
Entries 991
Mean 587.9
RMS 10.55
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100
50
0
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0
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1000
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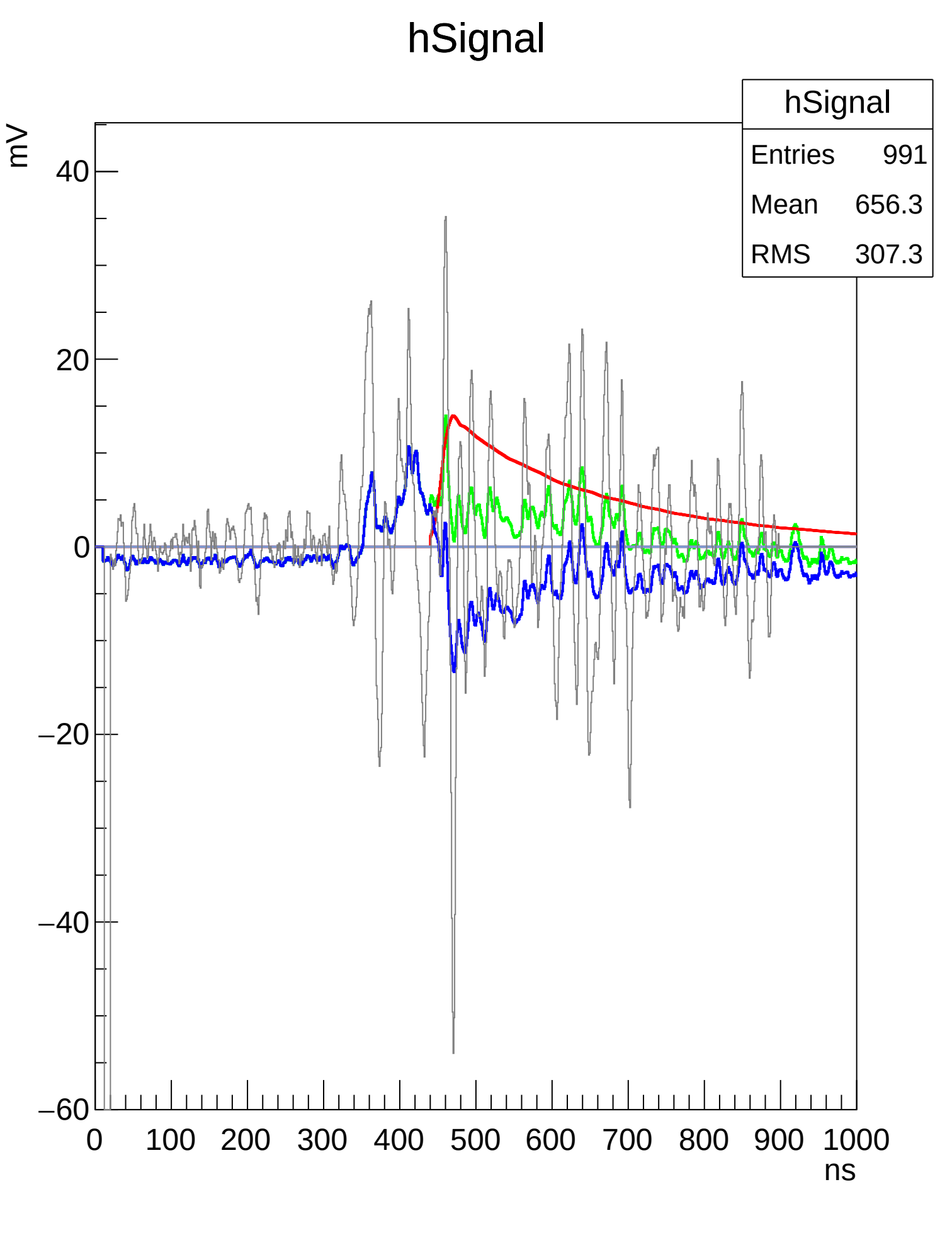
hSignal
hSignal
Entries 991
Mean 656.3
RMS 307.3
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−20
−40
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1000
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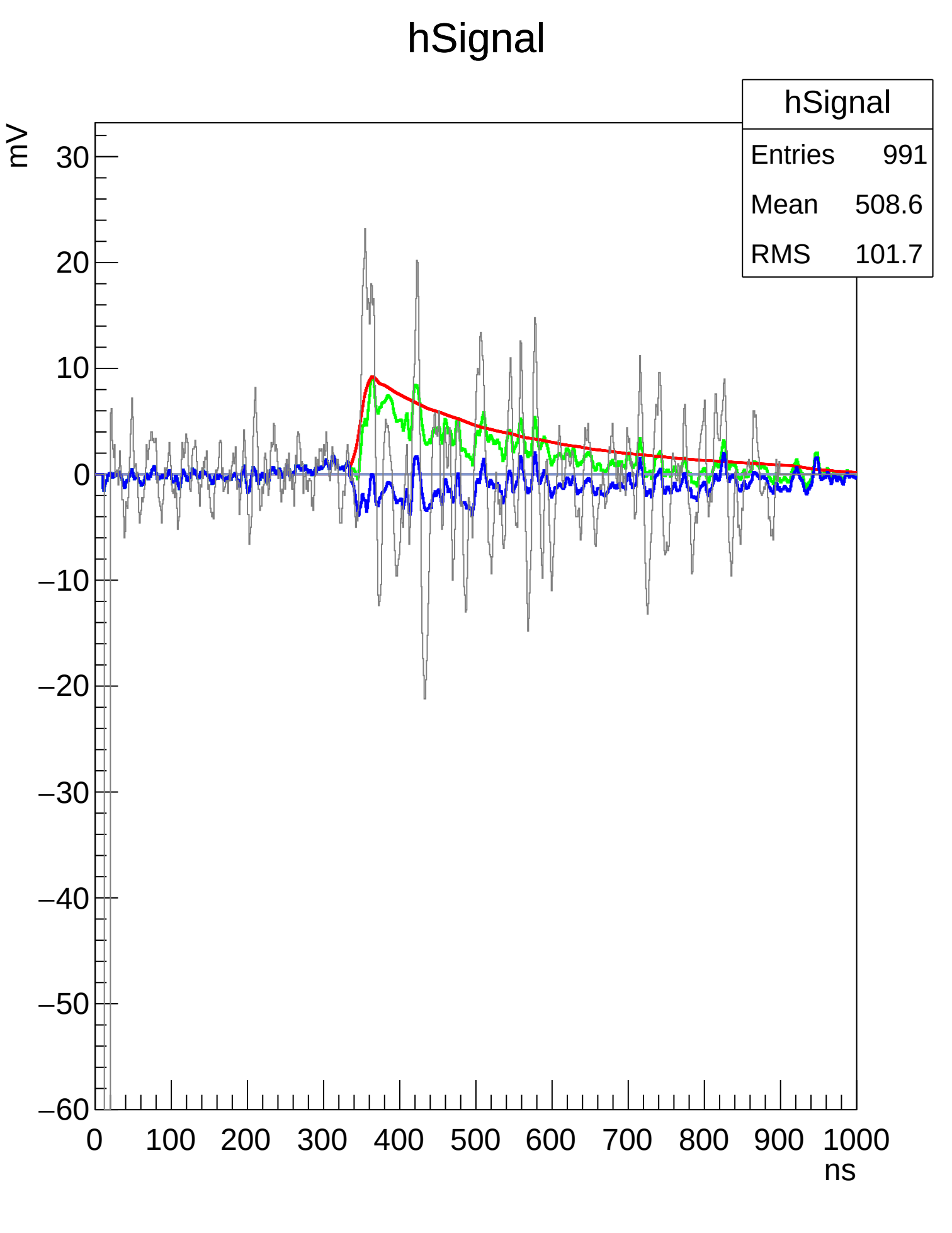
hSignal
hSignal
Entries 991
Mean 508.6
RMS 101.7
mV
30
20
10
0
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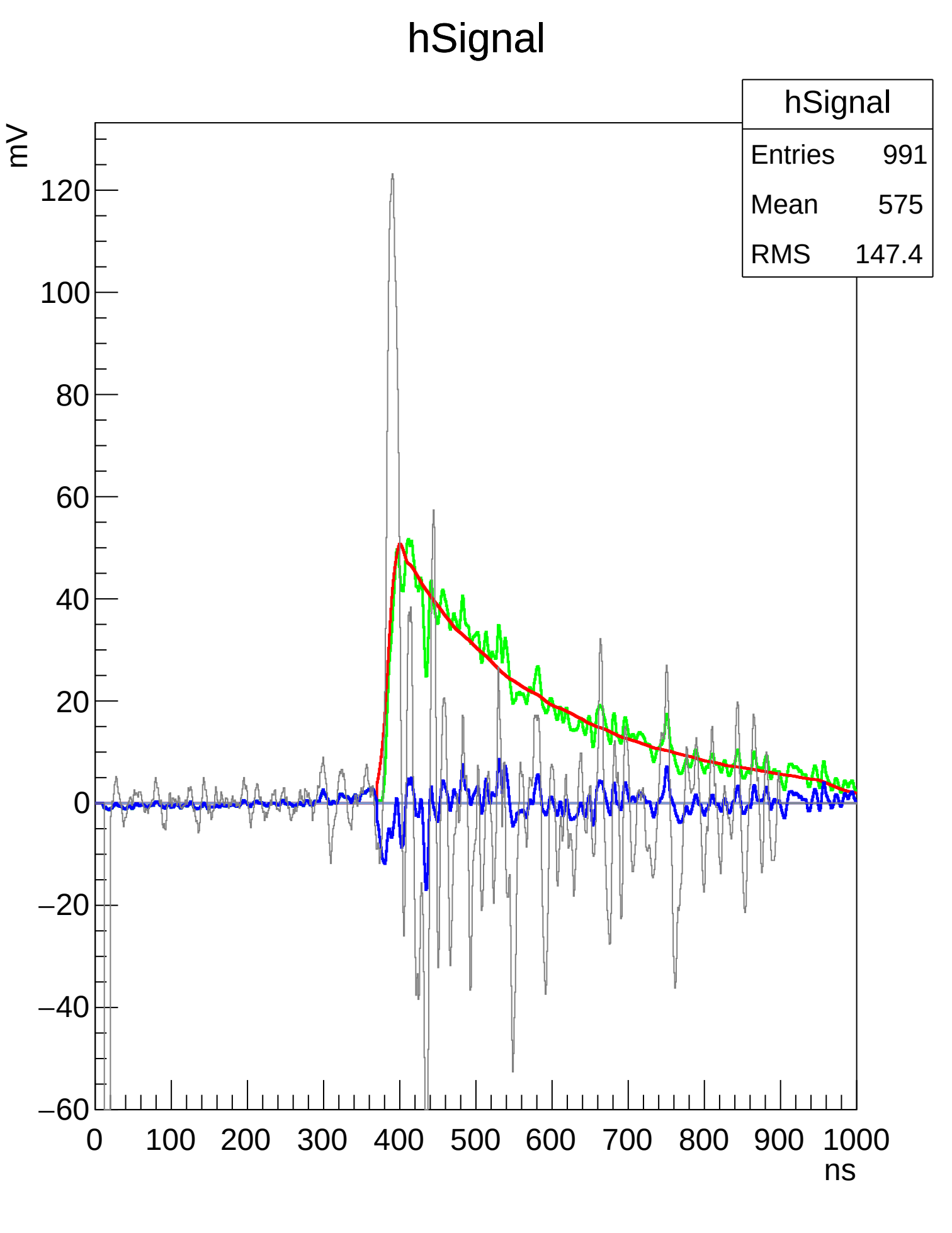
1000
ns


hSignal
hSignal
Entries 991
Mean 575
RMS 147.4
mV
120
100
80
60
40
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400
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1000
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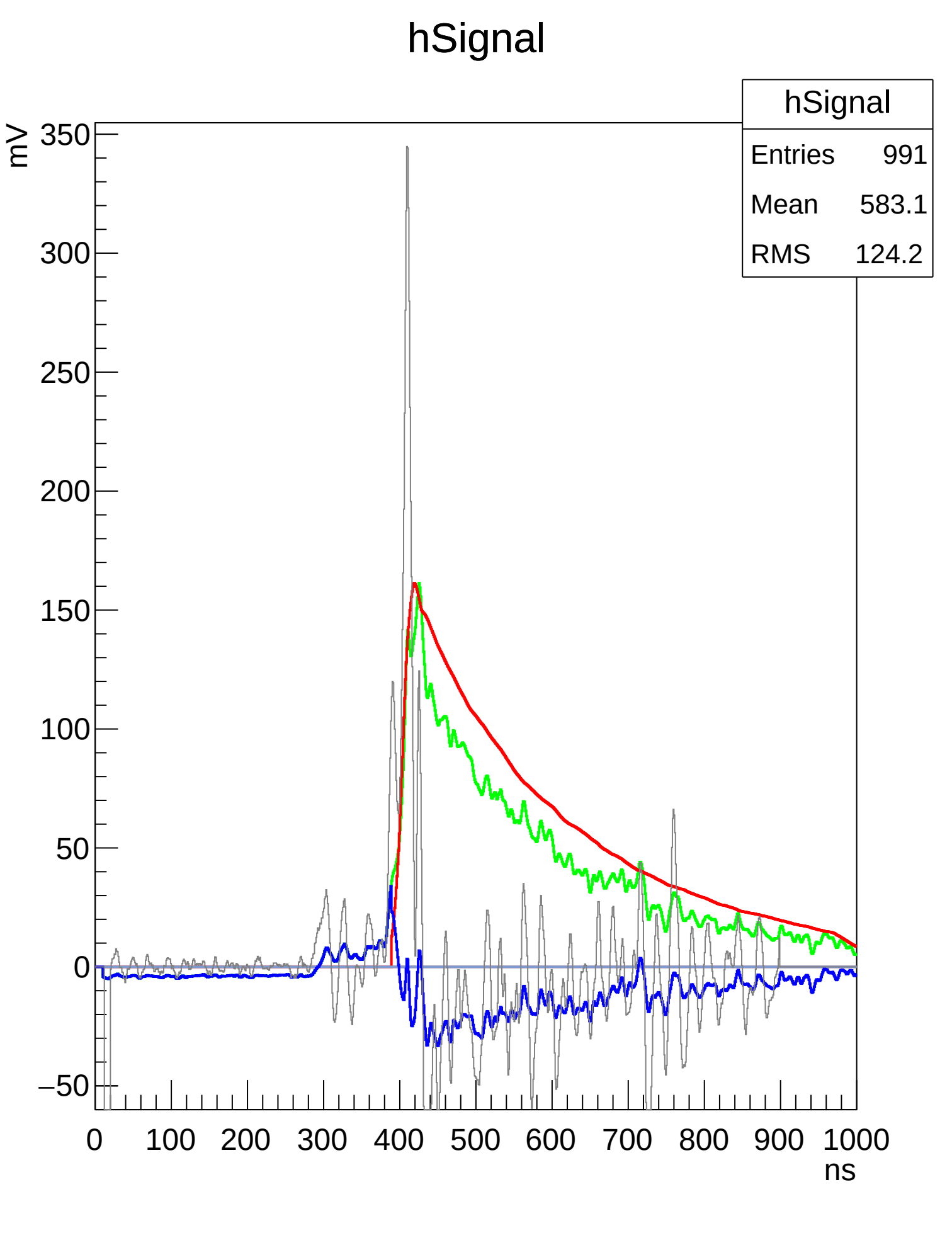
hSignal
hSignal
Entries 991
Mean 583.1
RMS 124.2
mV
350
300
250
200
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0
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1000
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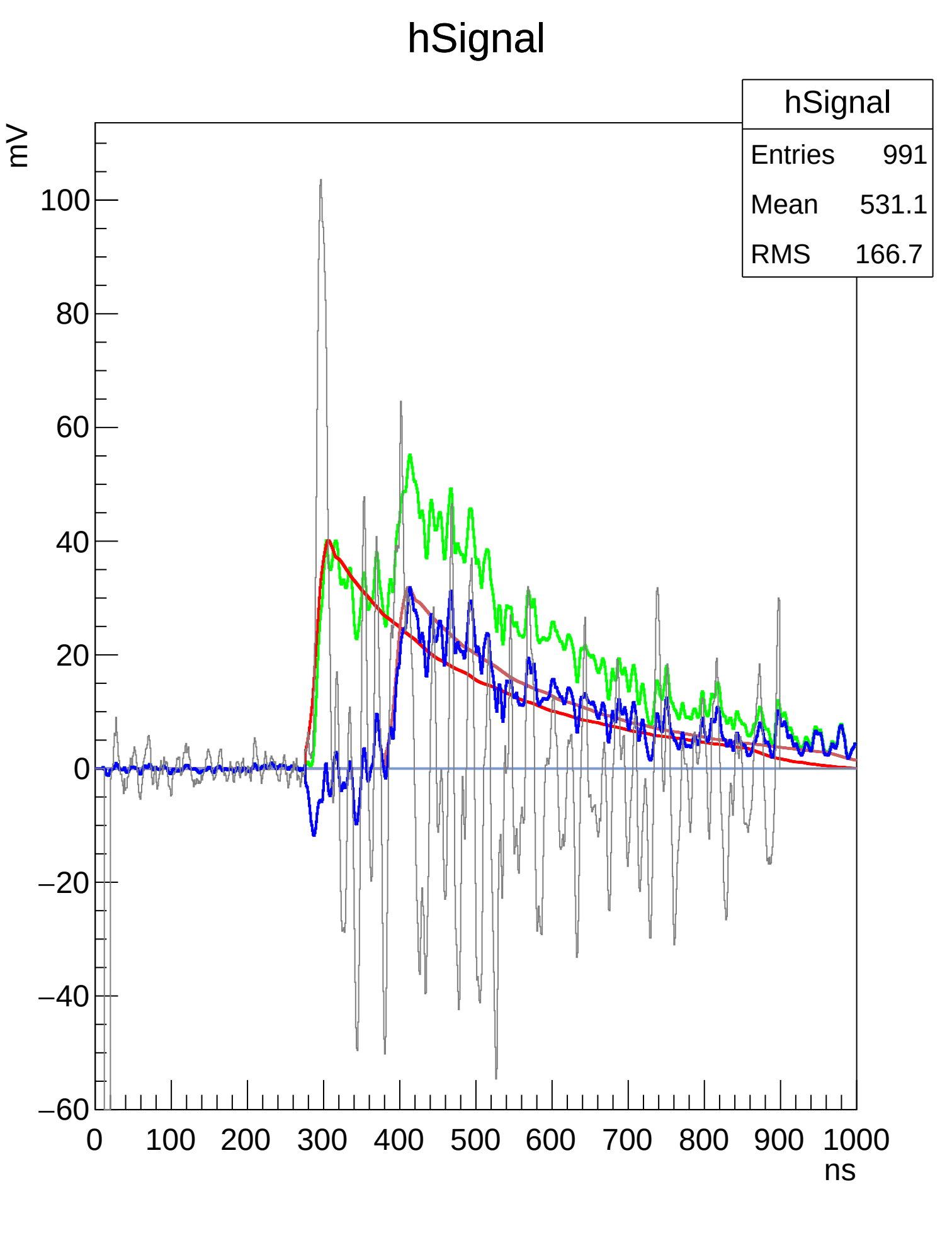
hSignal
hSignal
Entries 991
Mean 531.1
RMS 166.7
mV
100
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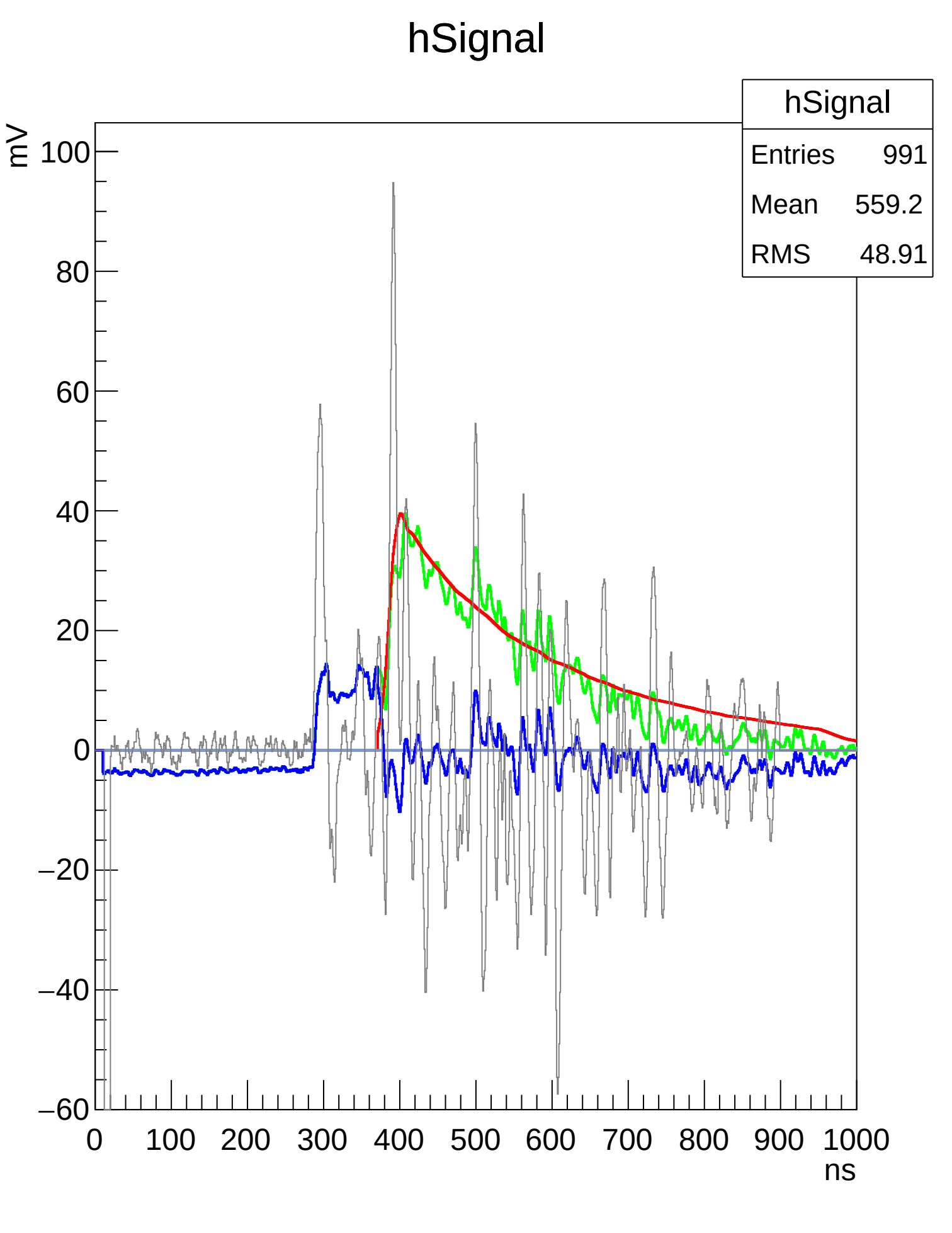
hSignal
hSignal
Entries 991
Mean 559.2
RMS 48.91
mV
100
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400
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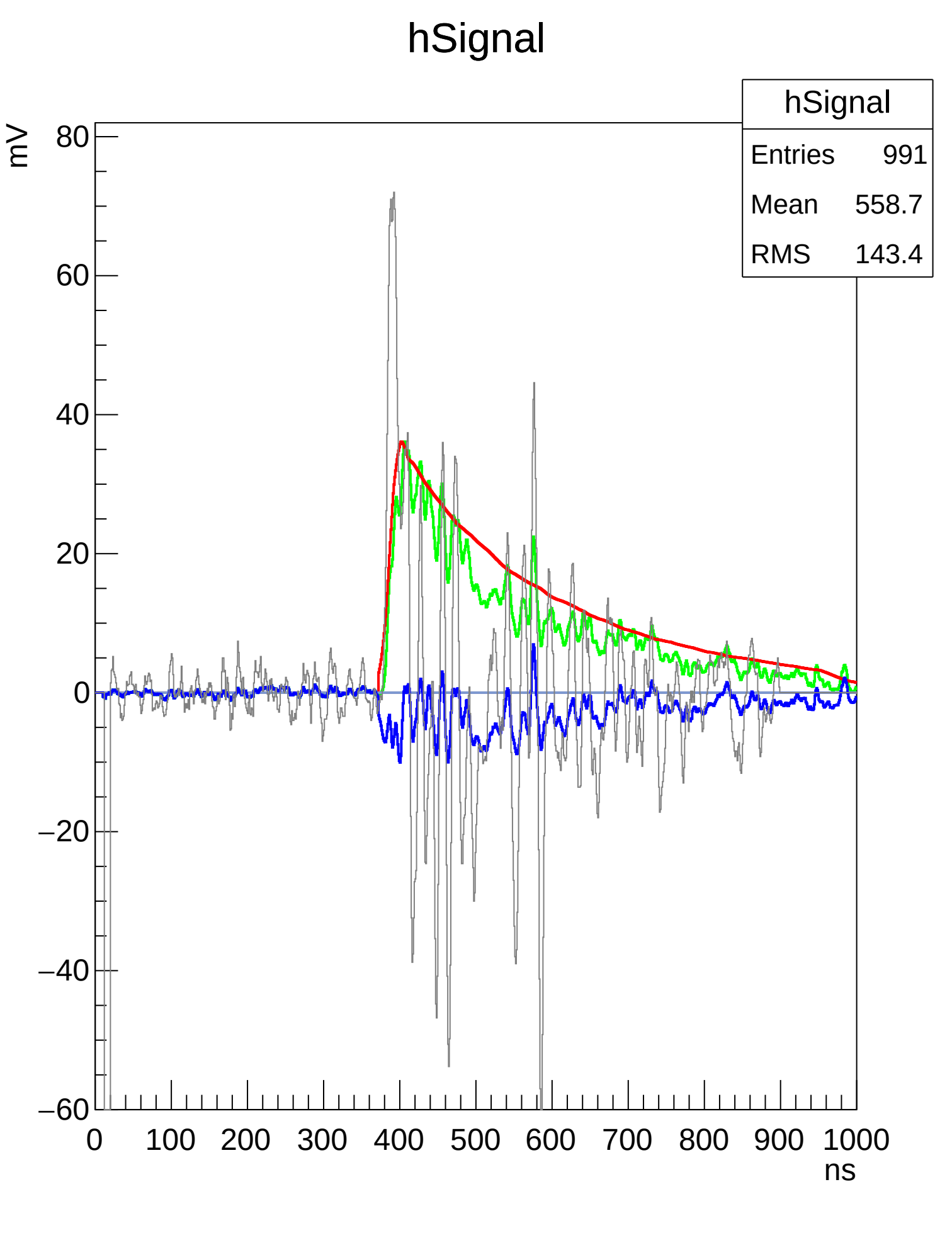
hSignal
hSignal
Entries 991
Mean 558.7
RMS 143.4
mV
80
60
40
20
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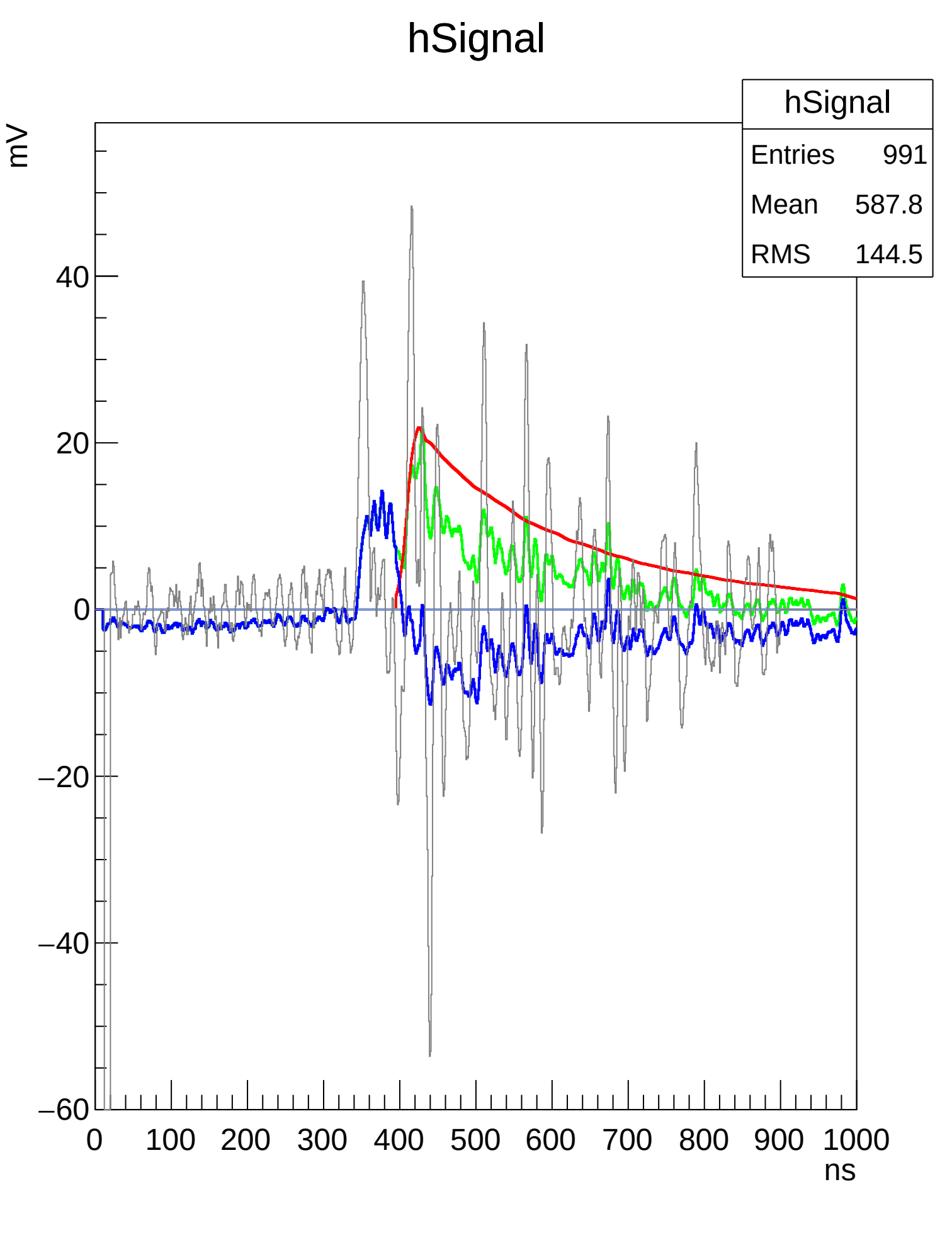
1000
ns


hSignal
hSignal
Entries 991
Mean 587.8
RMS 144.5
mV
40
20
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−20
−40
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0
100
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600
700
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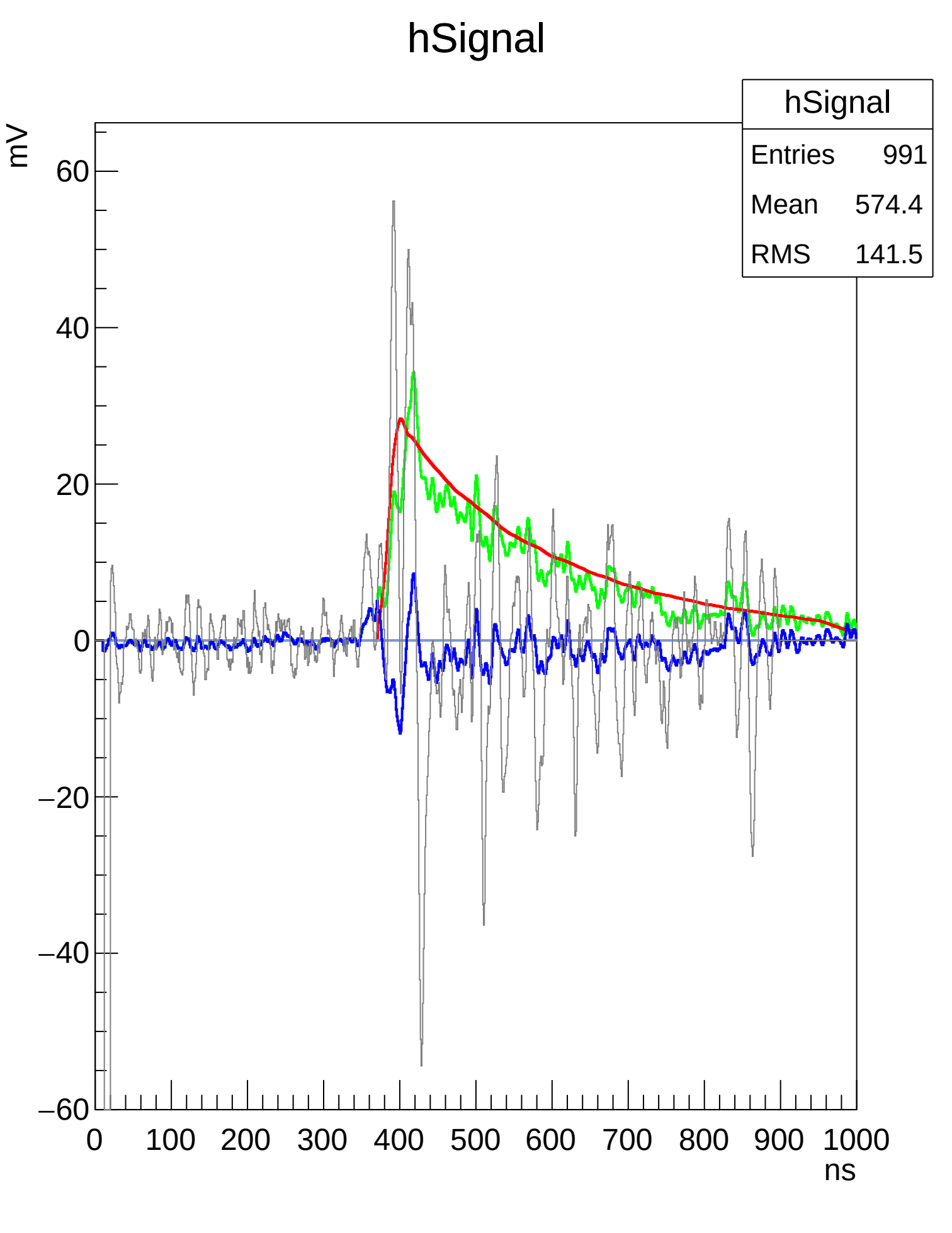
1000
ns


hSignal
hSignal
Entries 991
Mean 574.4
RMS 141.5
mV
60
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−20
−40
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0
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600
700
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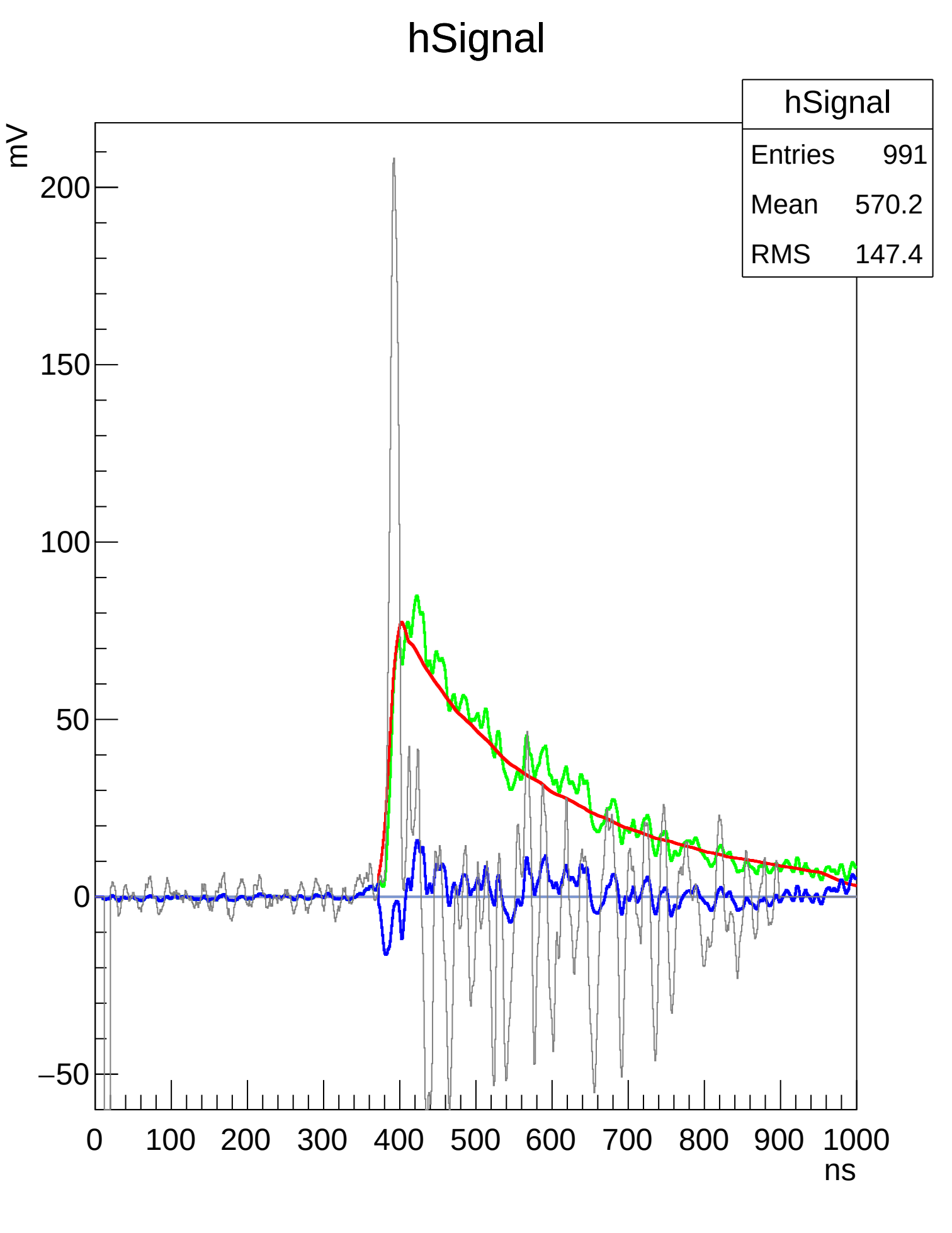
1000
ns


hSignal
hSignal
Entries 991
Mean 570.2
RMS 147.4
mV
200
150
100
50
0
−50
0
100
200
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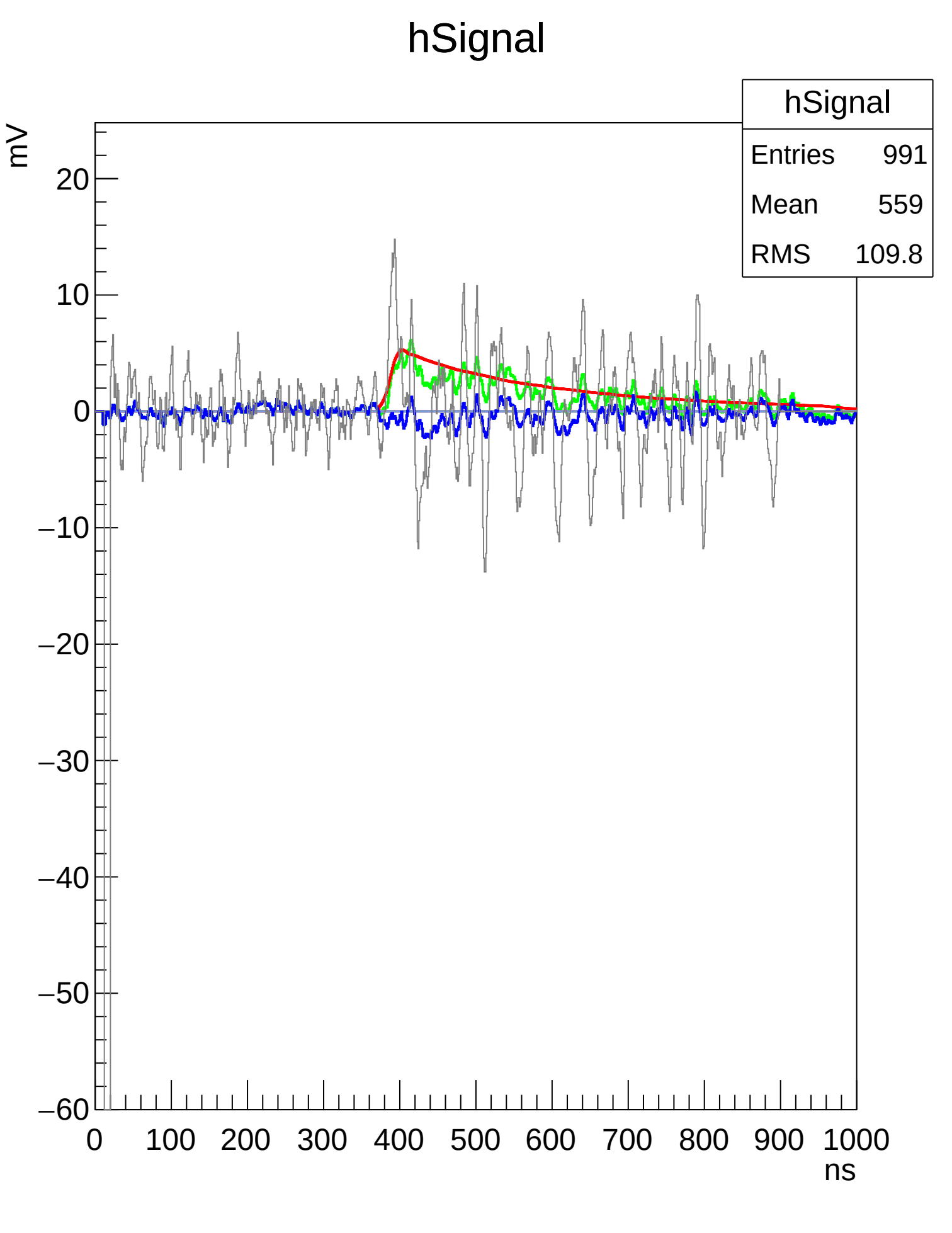
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559
RMS 109.8
mV
20
10
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−10
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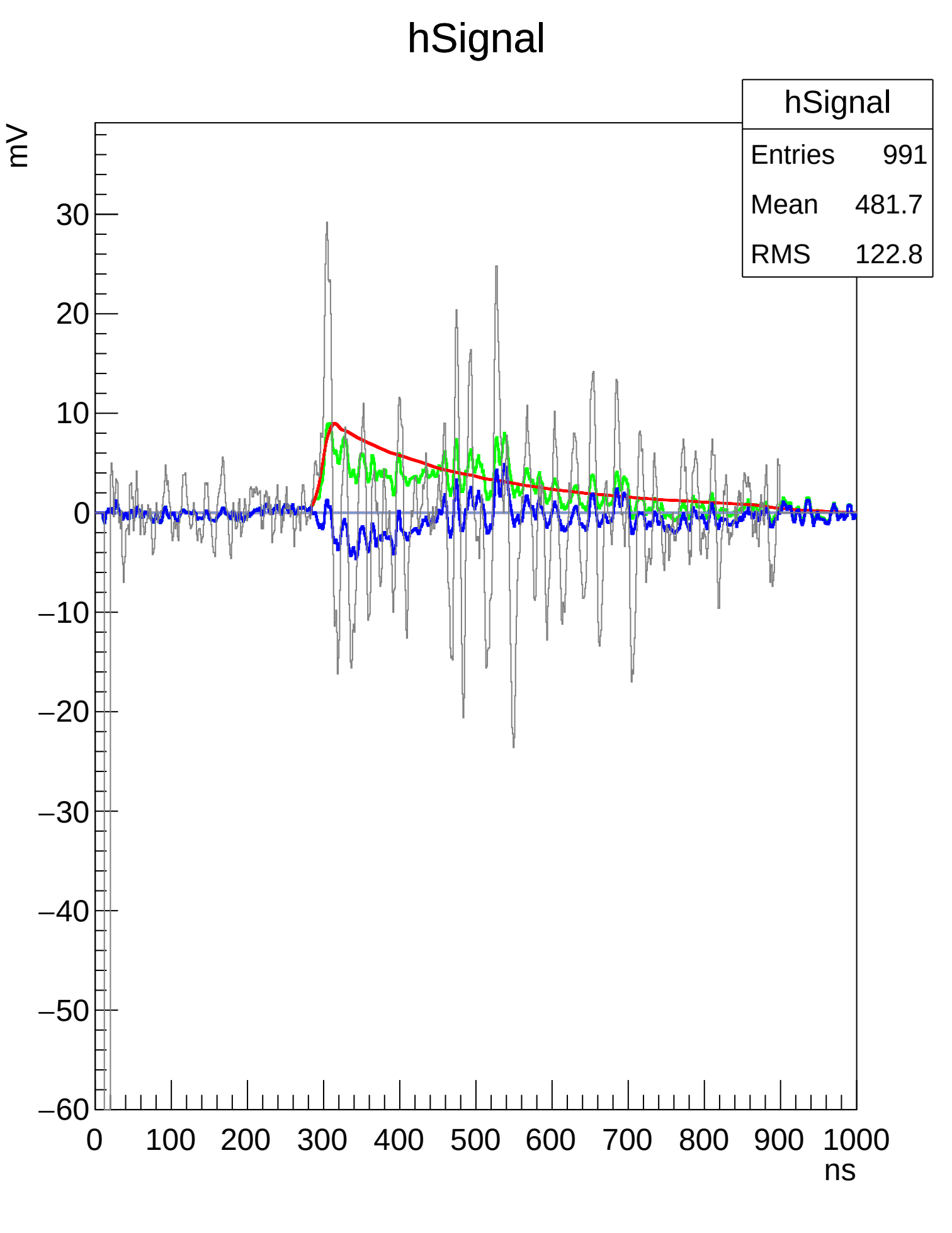
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 481.7
RMS 122.8
mV
30
20
10
0
−10
−20
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0
100
200
300
400
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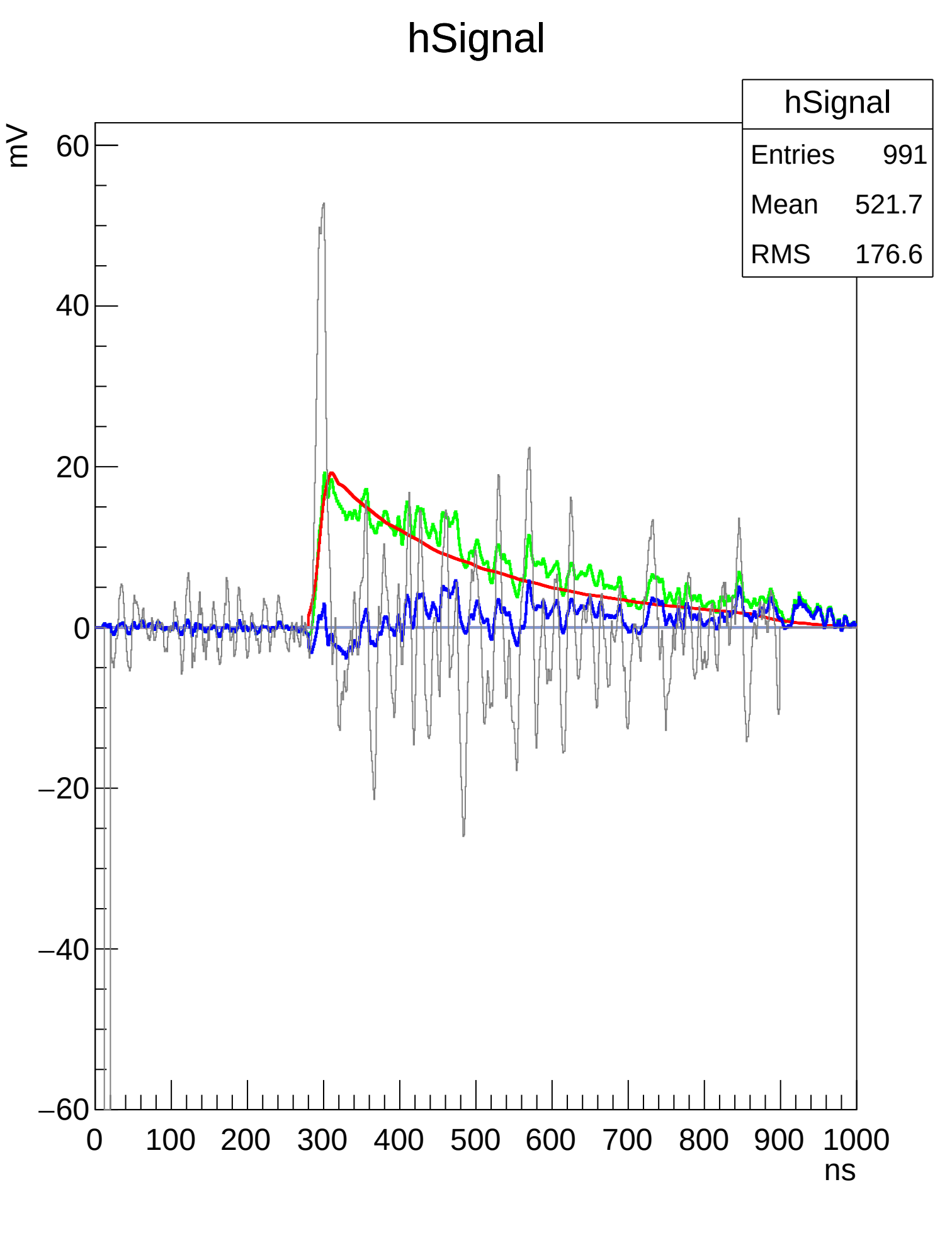
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.7
RMS 176.6
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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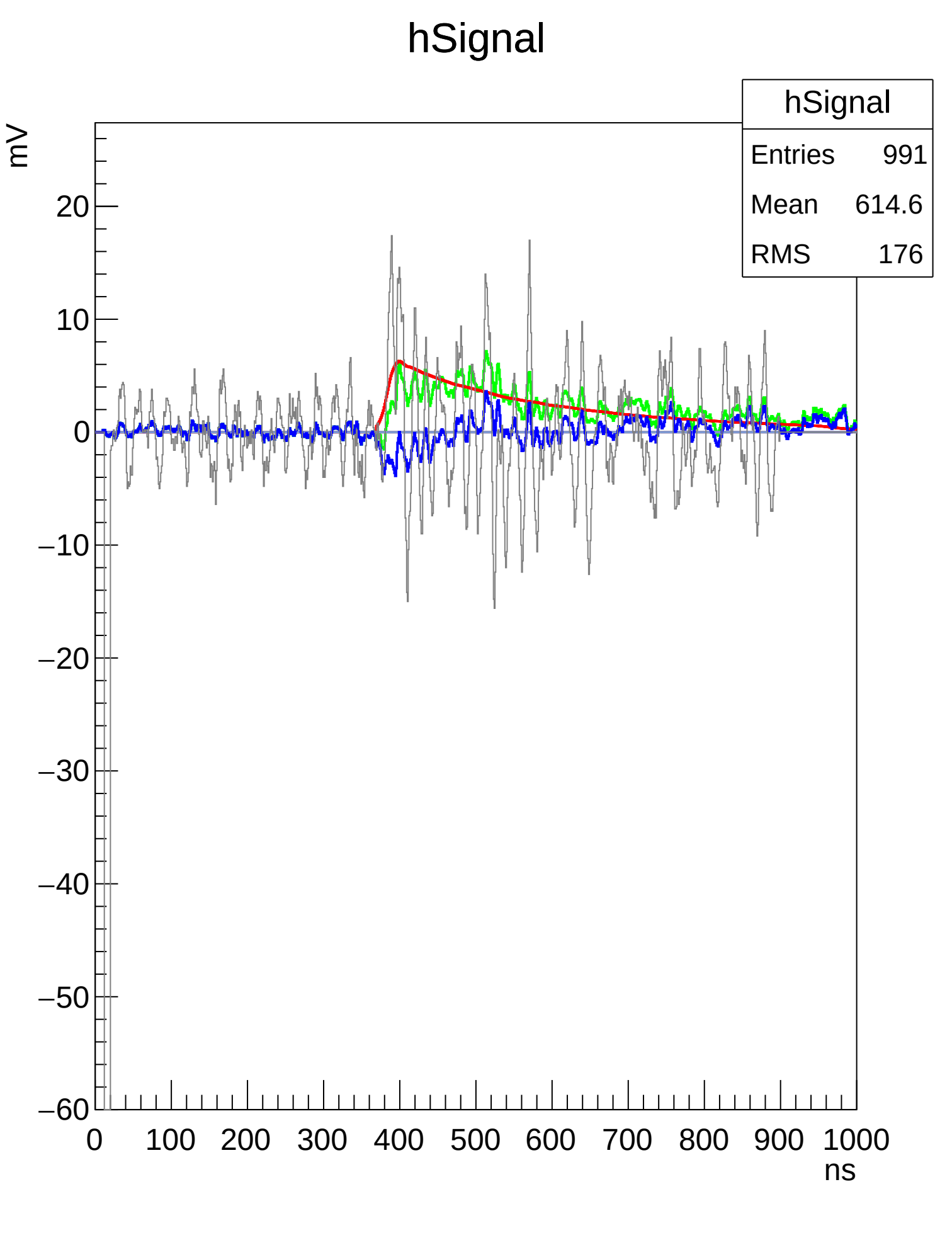
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.6
RMS 176
mV
20
10
0
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−40
−50
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0
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400
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800
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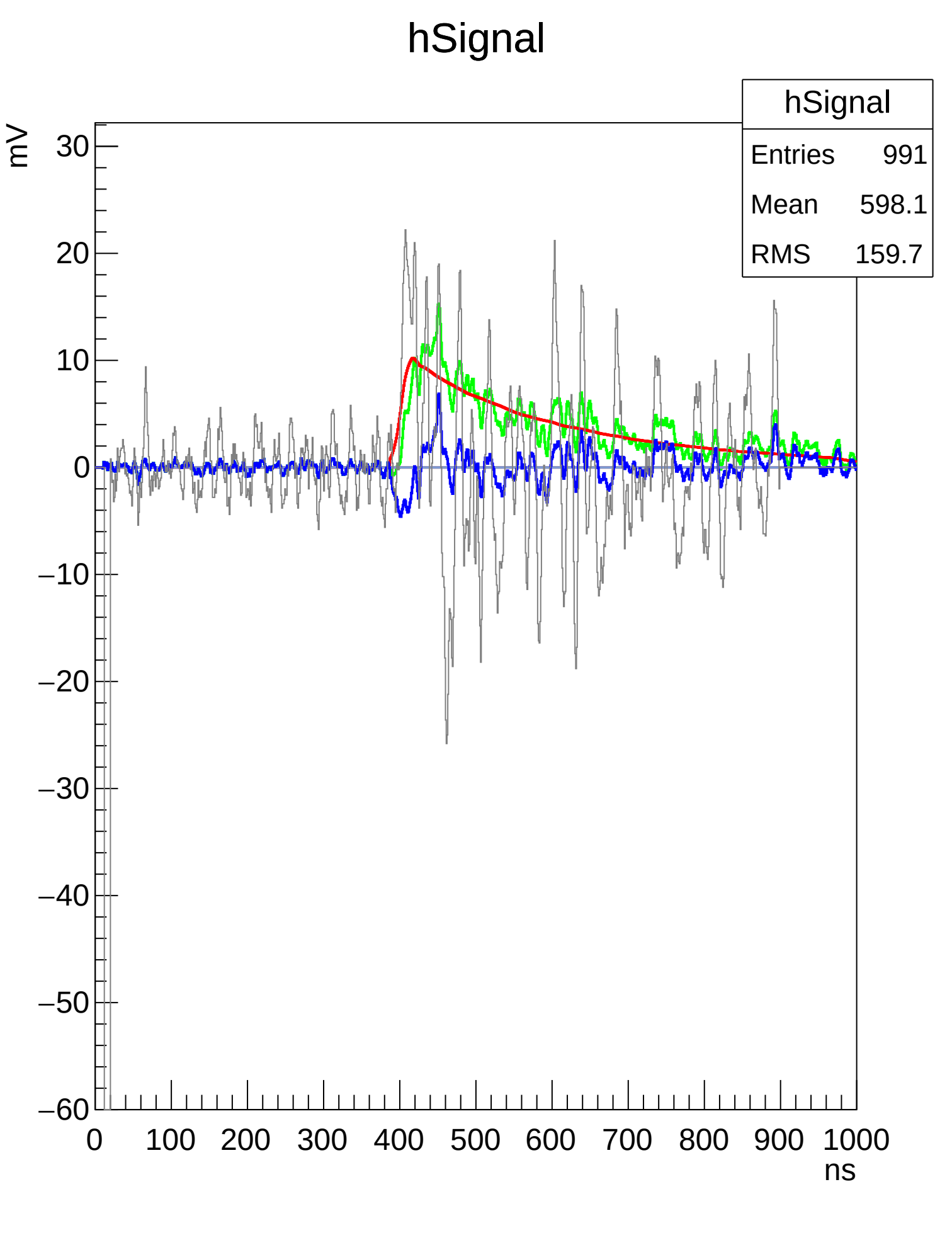
1000
ns


hSignal
hSignal
Entries 991
Mean 598.1
RMS 159.7
mV
30
20
10
0
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−40
−50
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0
100
200
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400
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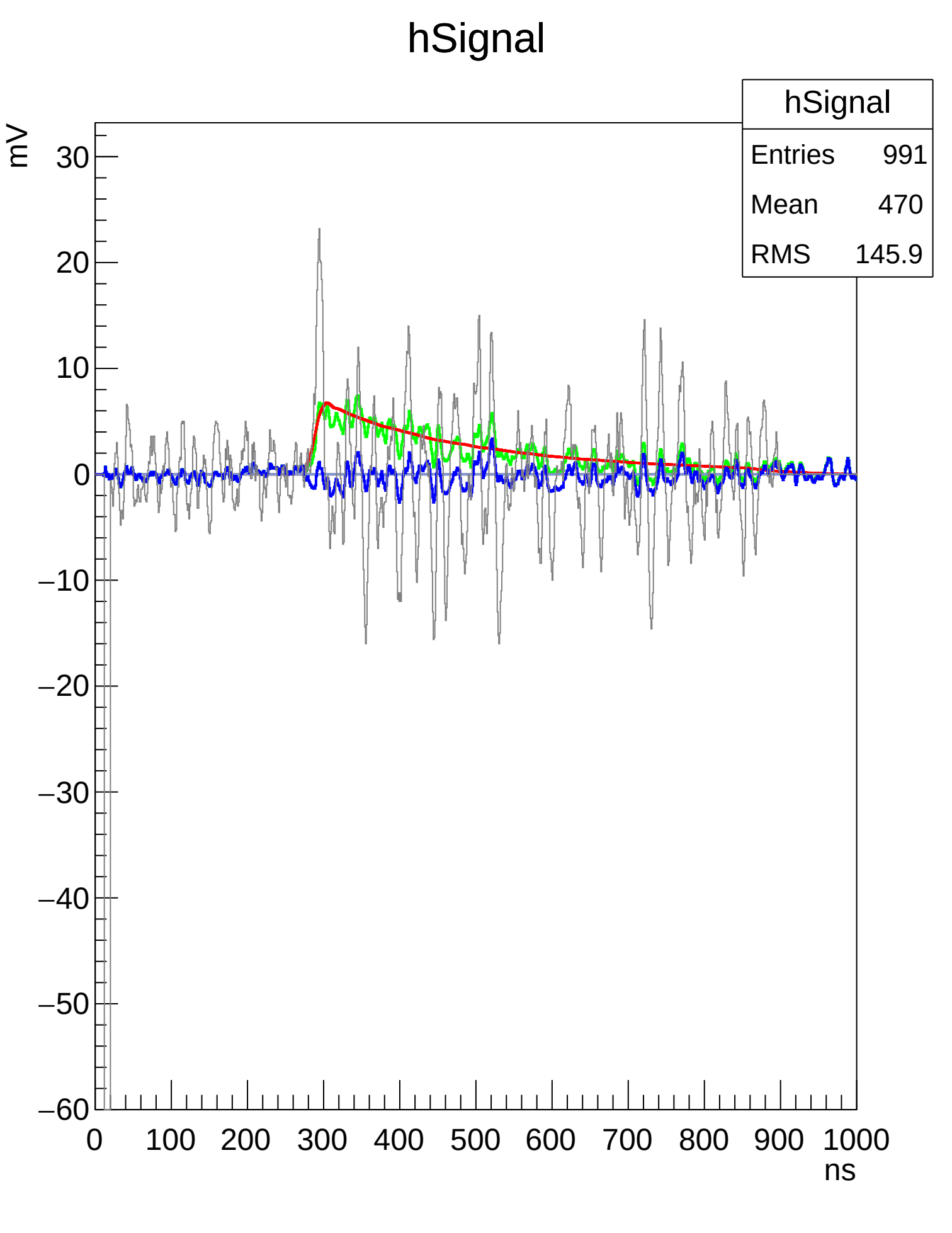
800
900
1000
ns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hSignal
Entries 991
Mean 470
RMS 145.9
mV
30
20
10
0
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−40
−50
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0
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200
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400
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600
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800
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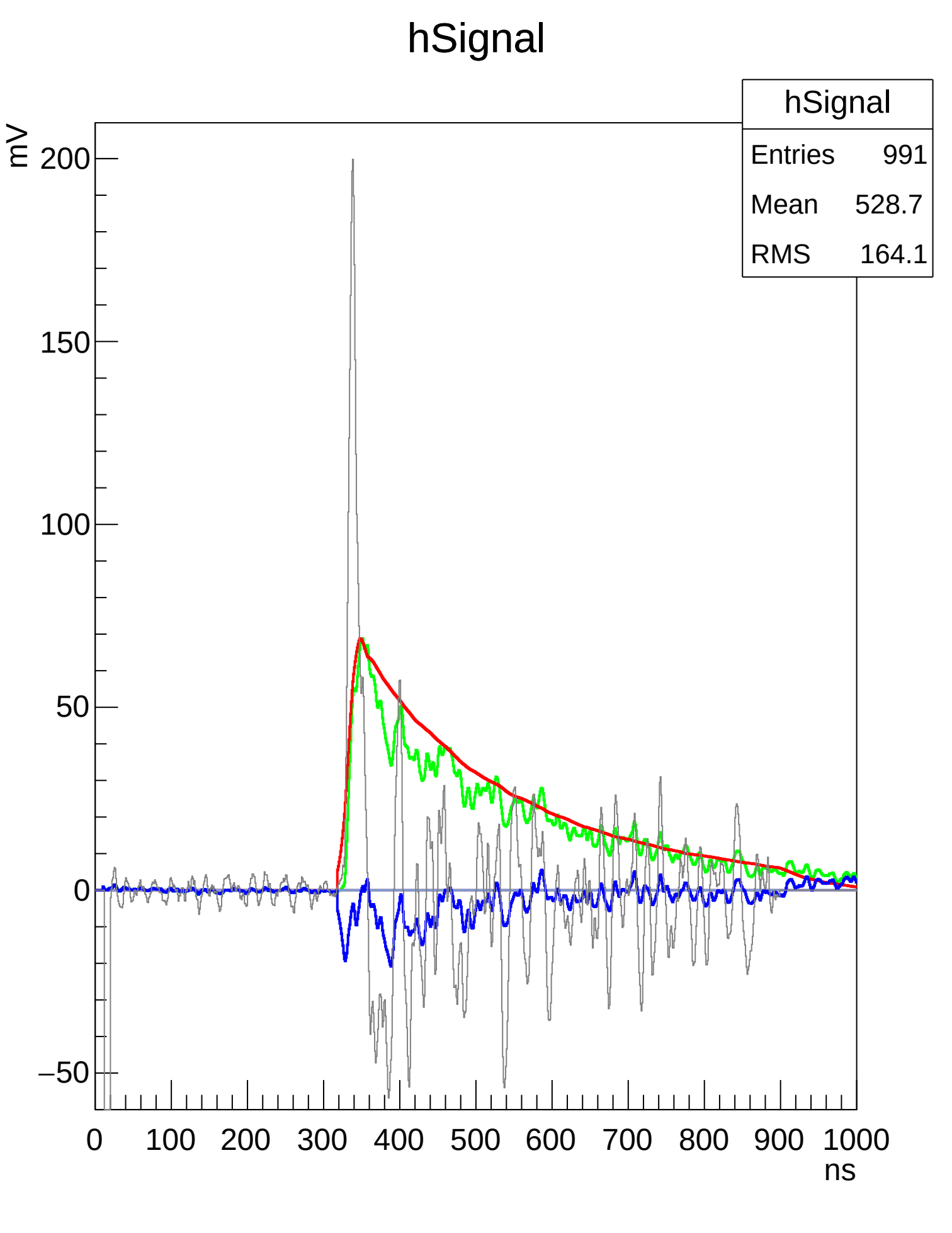
1000
ns


hSignal
hSignal
Entries 991
Mean 528.7
RMS 164.1
mV
200
150
100
50
0
−50
0
100
200
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700
800
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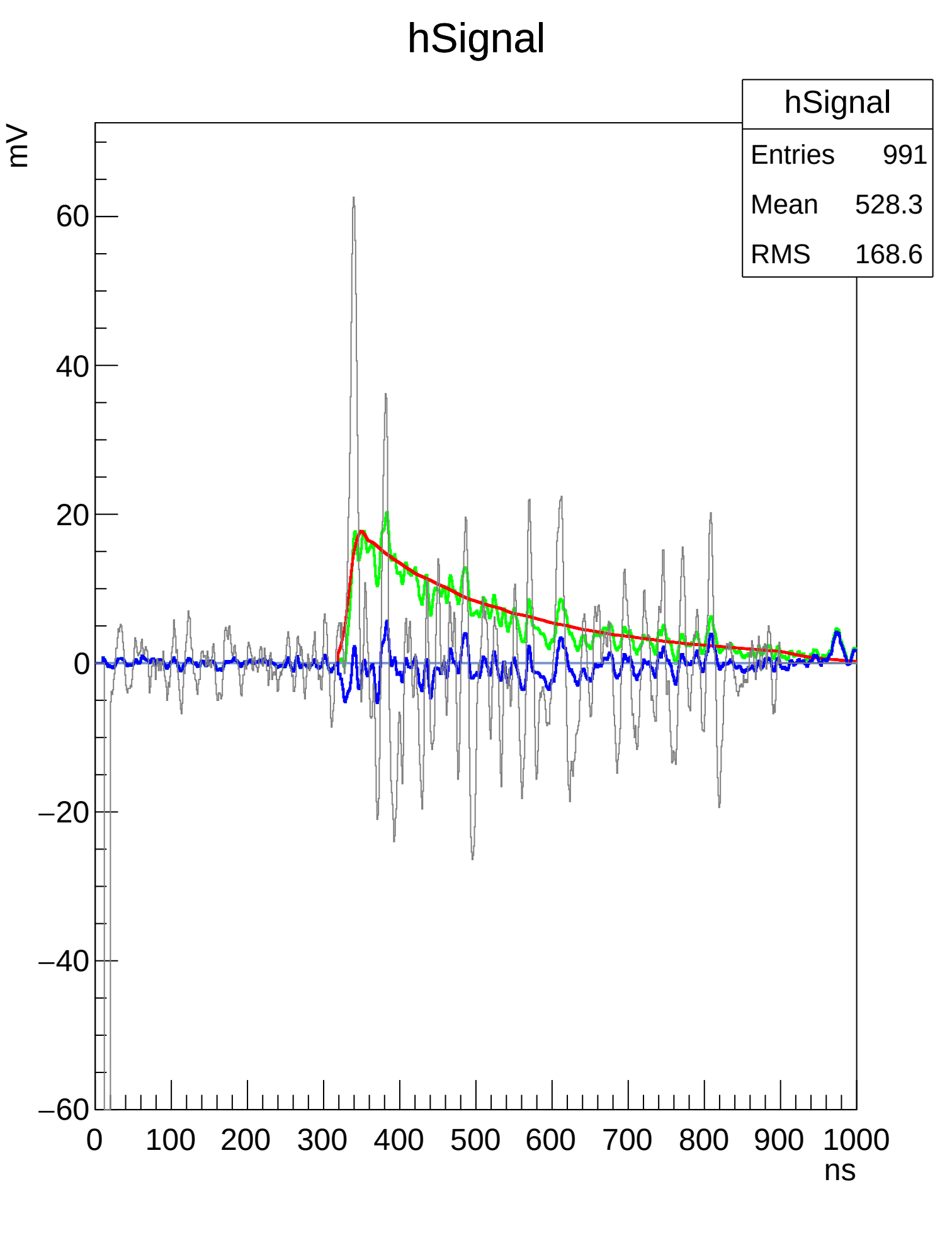
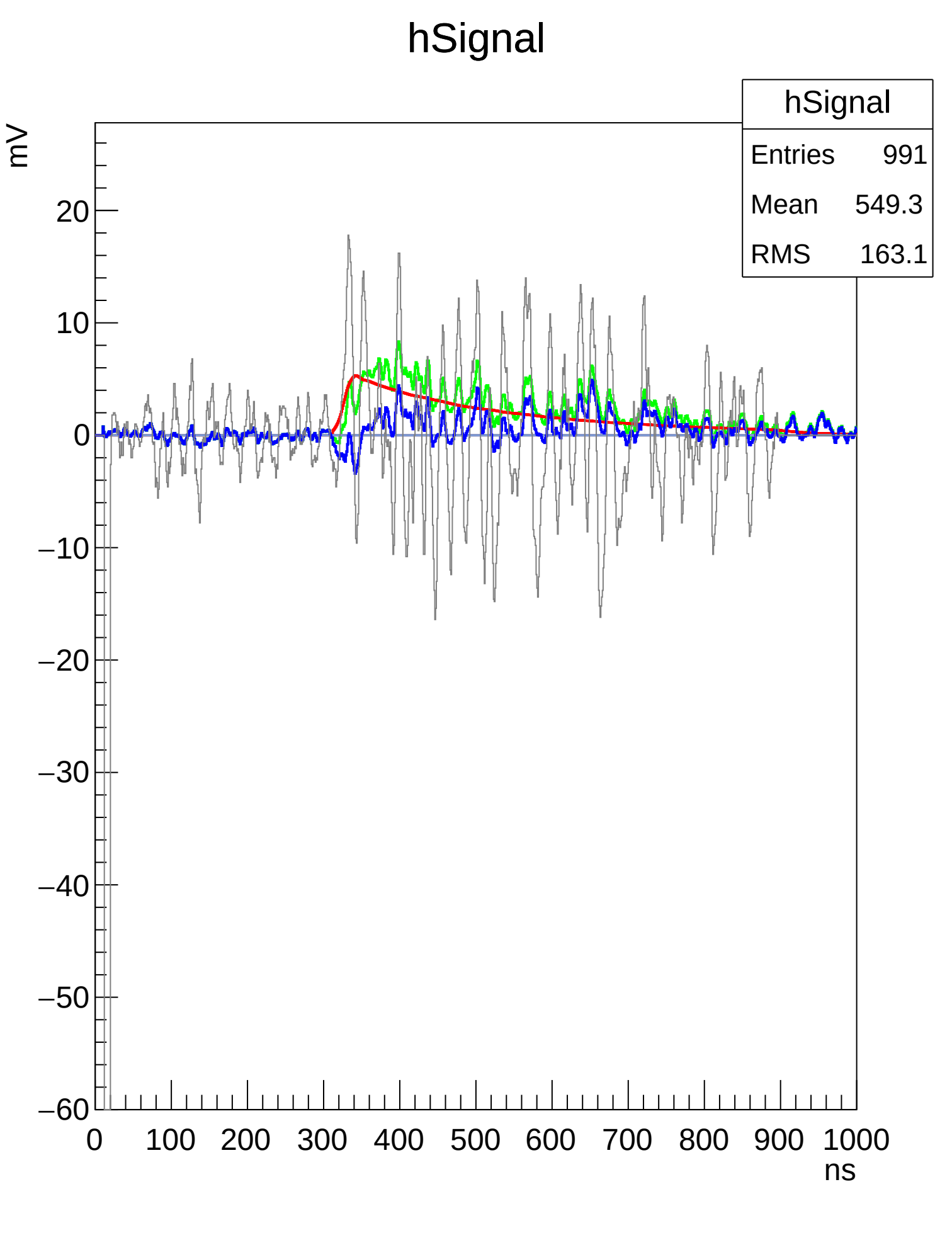
1000
ns


hSignal
hSignal
Entries 991
Mean 528.3
RMS 168.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.3
RMS 163.1
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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800
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1000
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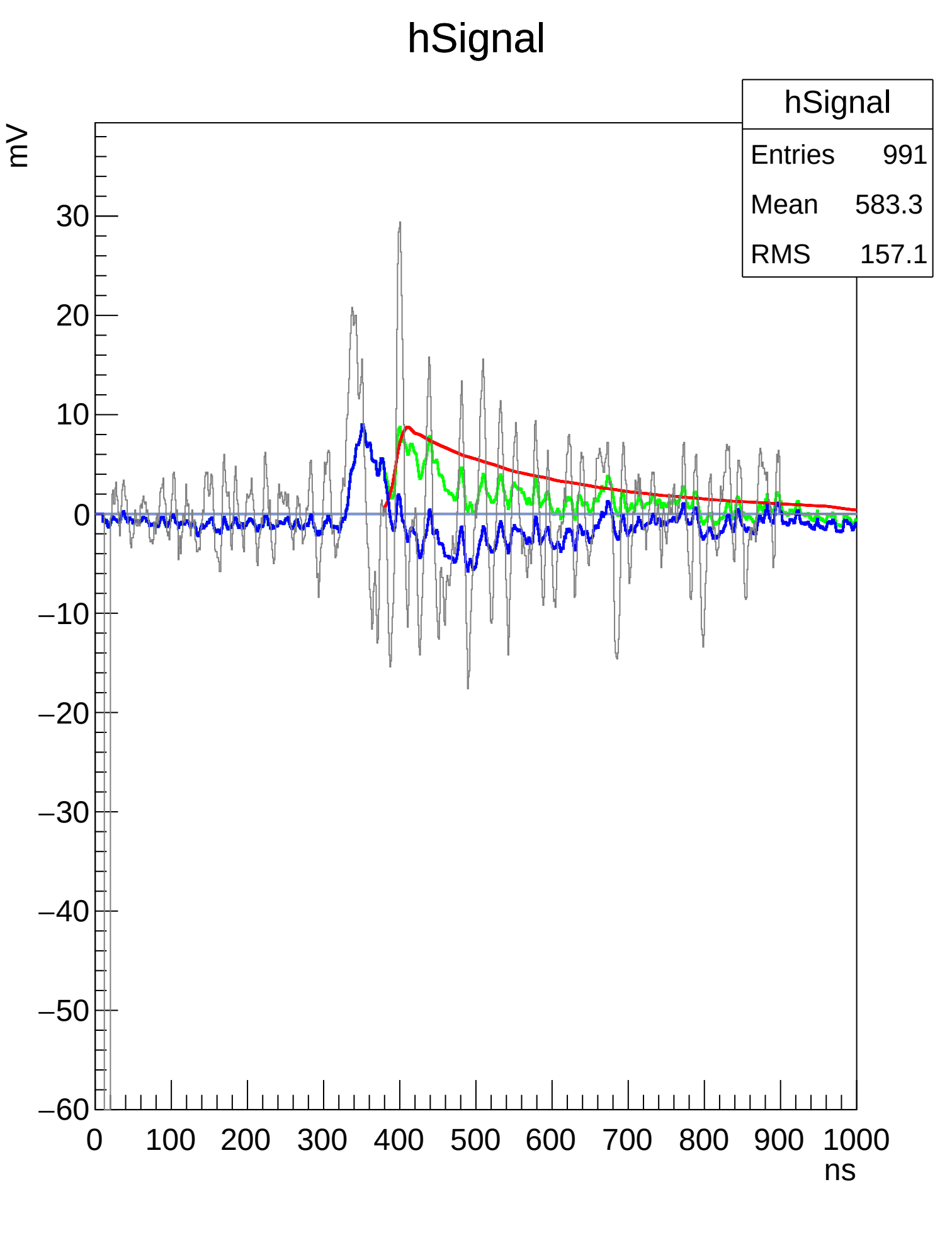
hSignal
hSignal
Entries 991
Mean 583.3
RMS 157.1
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
500
600
700
800
900
1000
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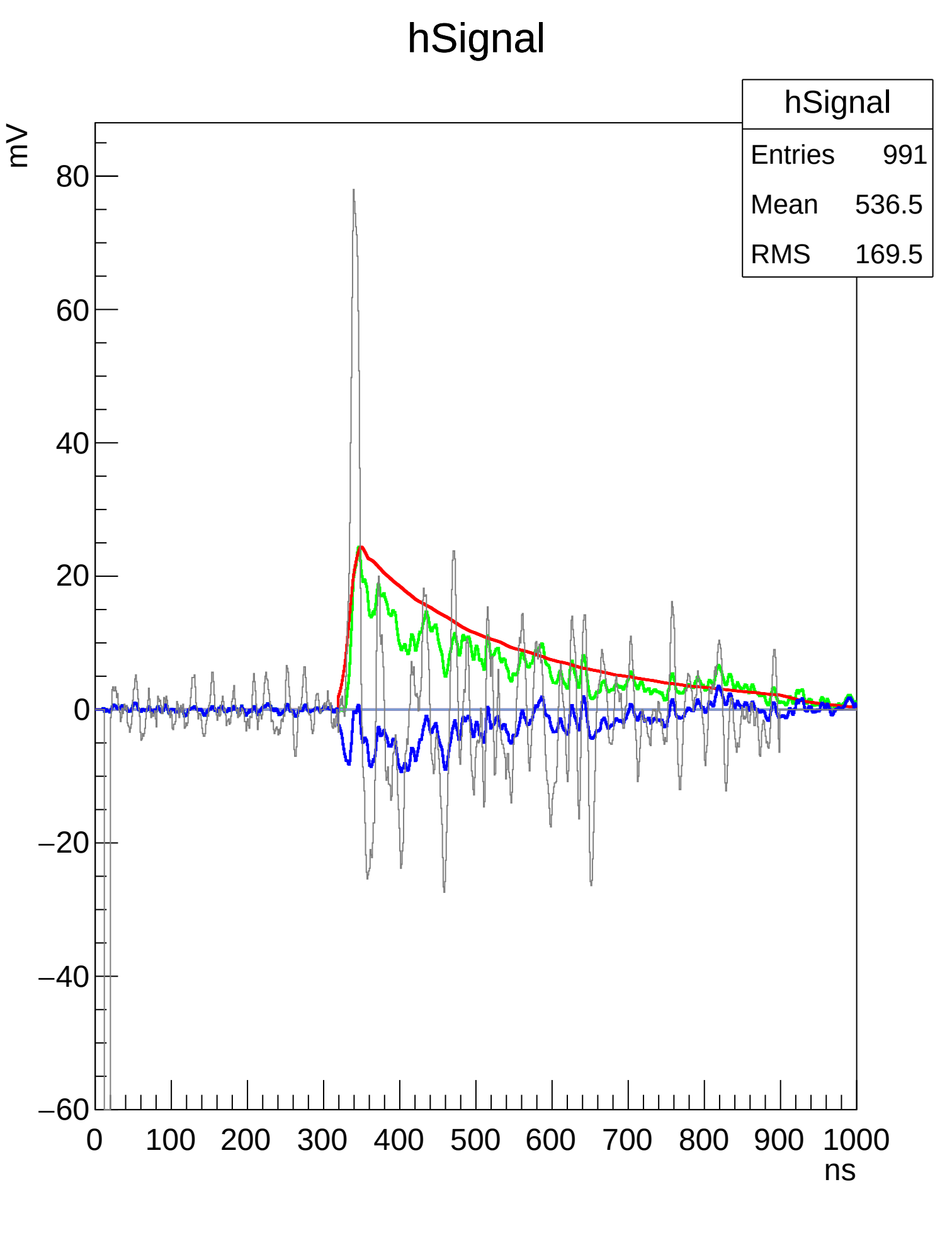
hSignal
hSignal
Entries 991
Mean 536.5
RMS 169.5
mV
80
60
40
20
0
−20
−40
−60
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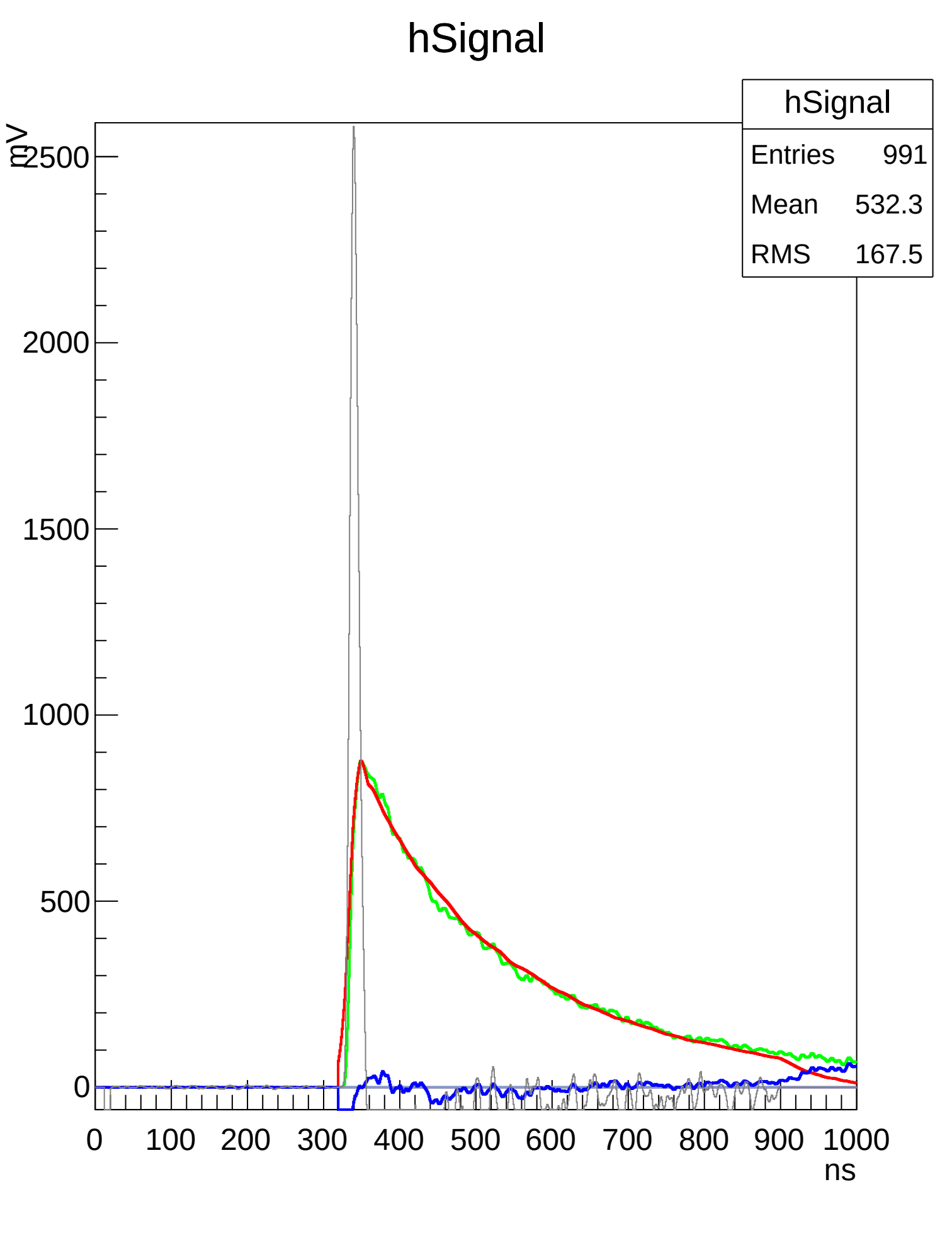
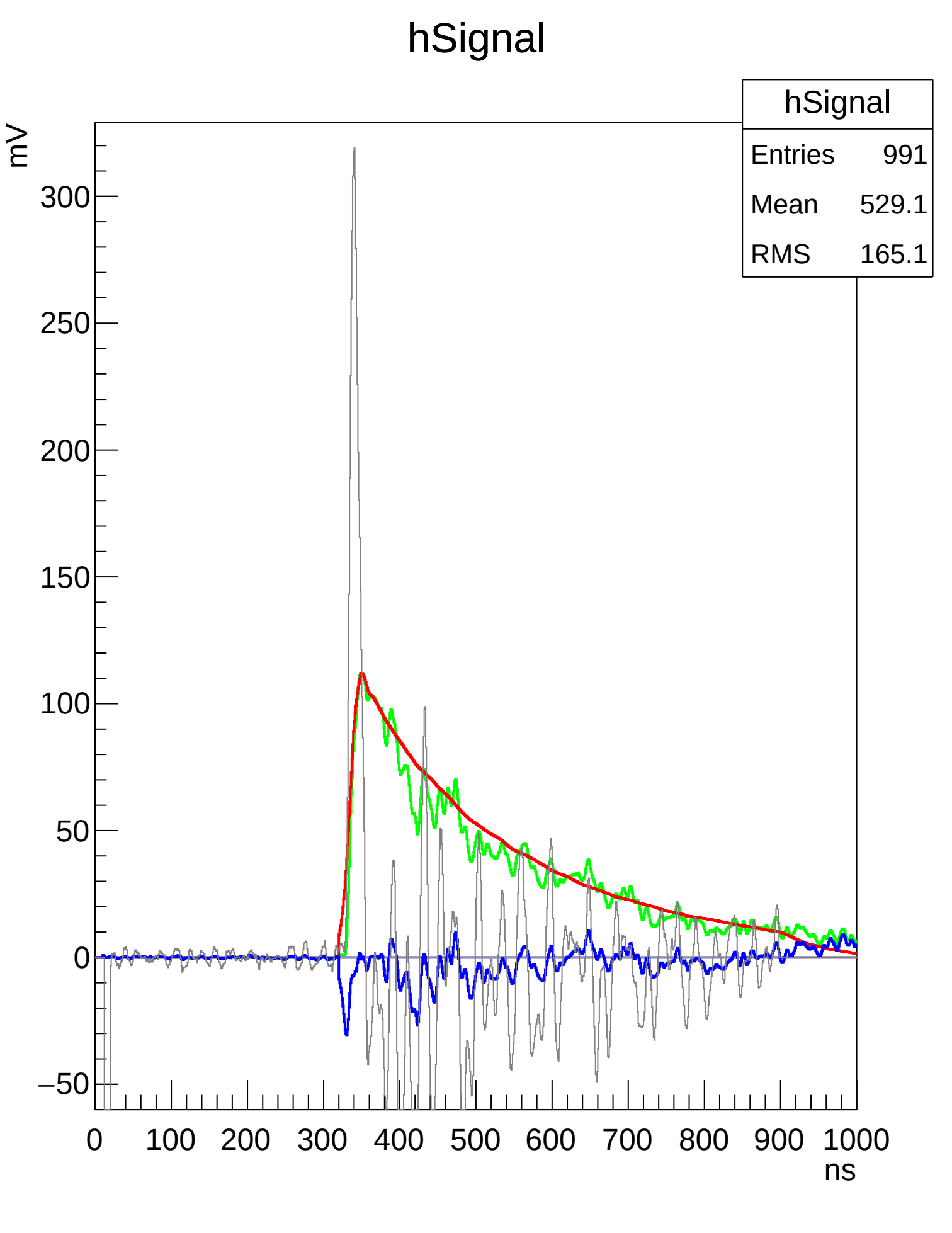
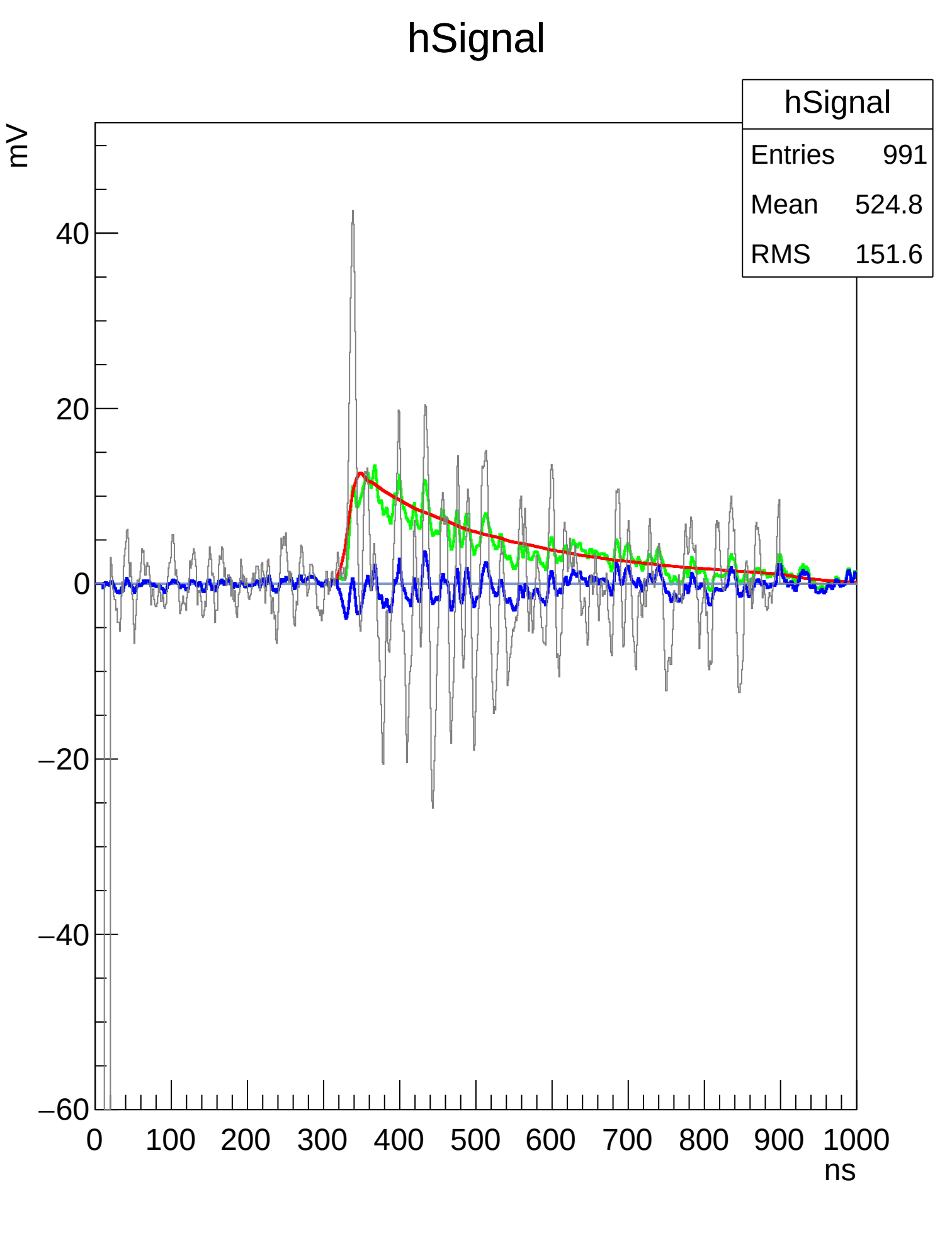
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.3
RMS 167.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.1
RMS 165.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.8
RMS 151.6
mV
40
20
0
−20
−40
−60
0
100
200
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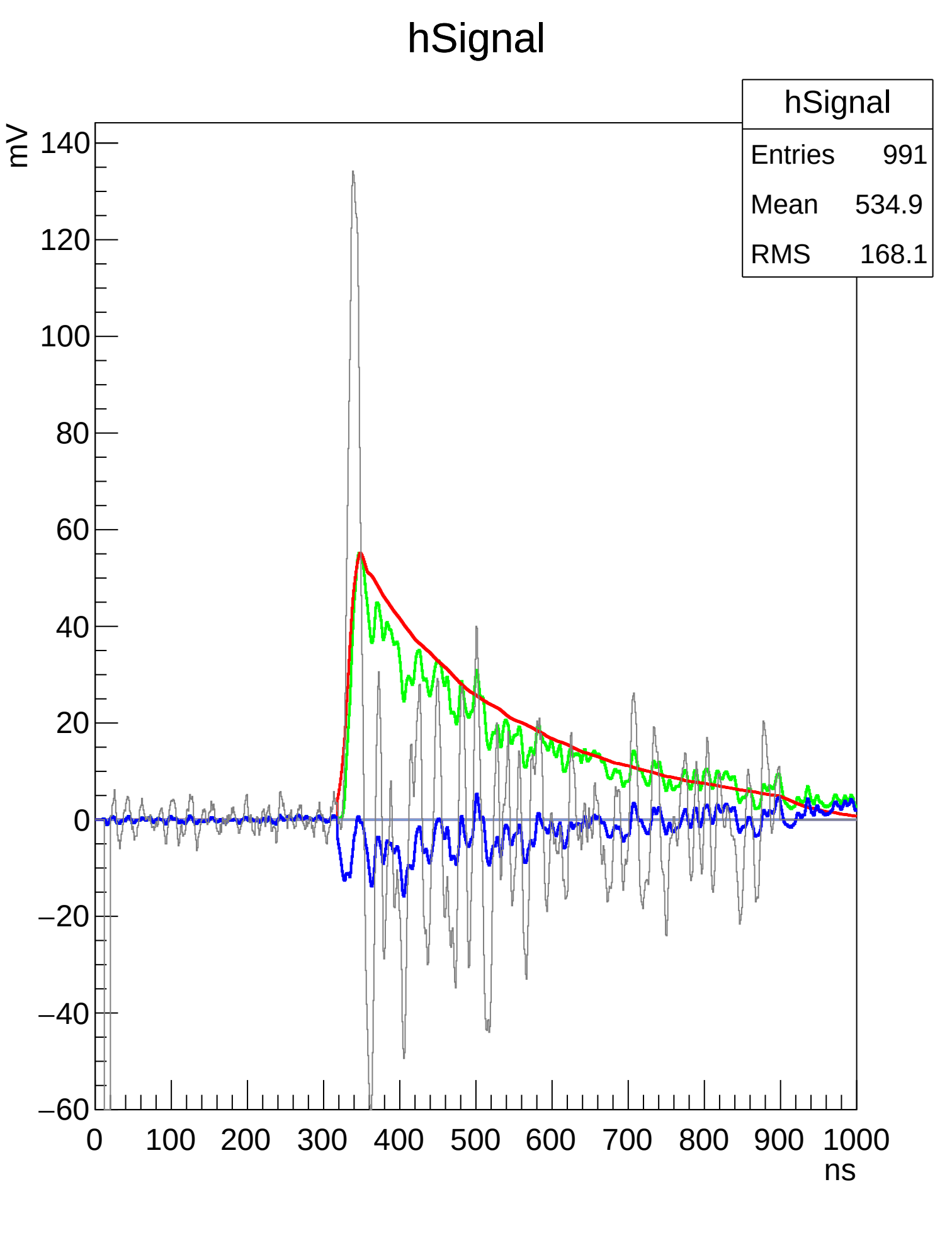
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.9
RMS 168.1
mV
140
120
100
80
60
40
20
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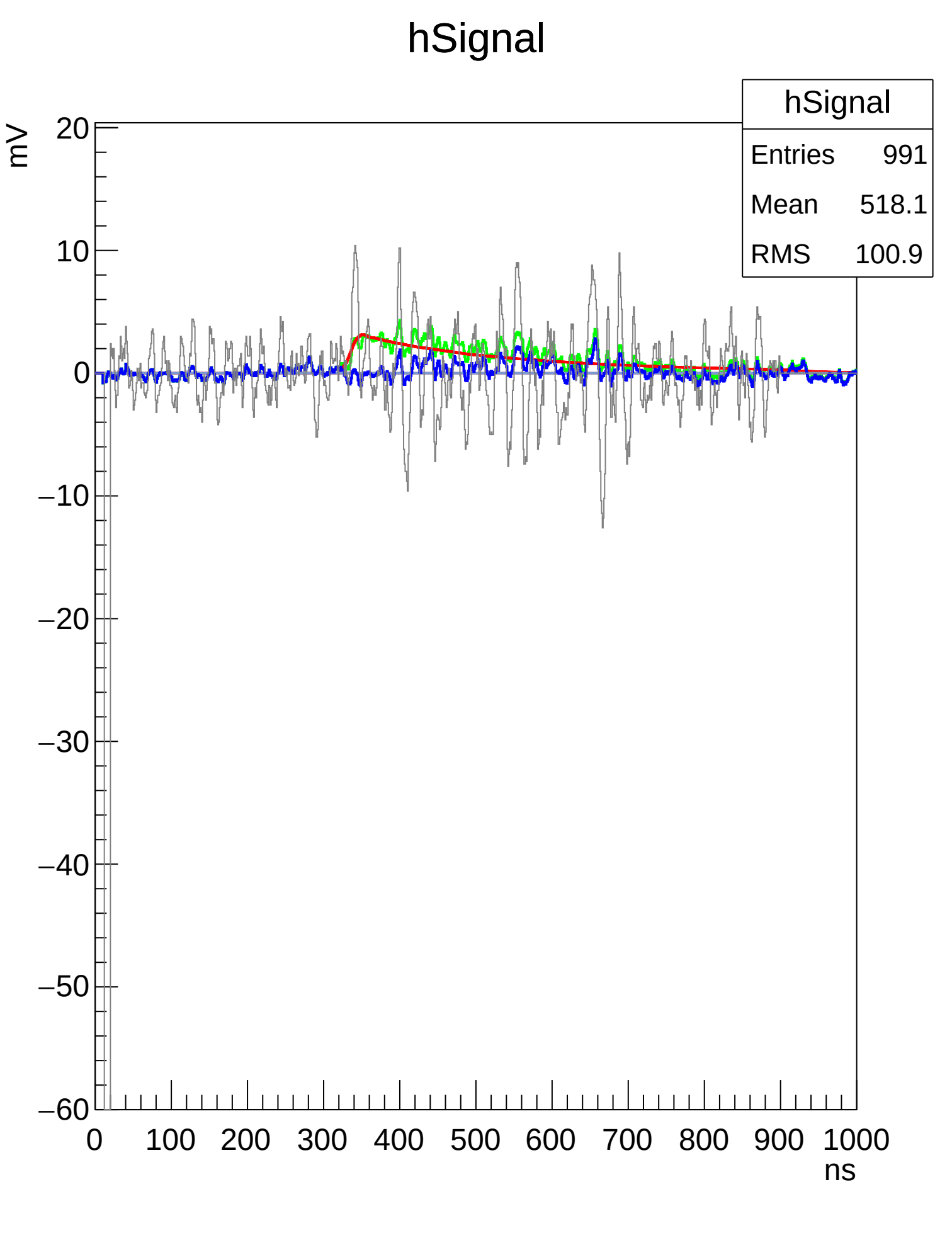
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.1
RMS 100.9
mV
20
10
0
−10
−20
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−40
−50
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0
100
200
300
400
500
600
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800
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1000
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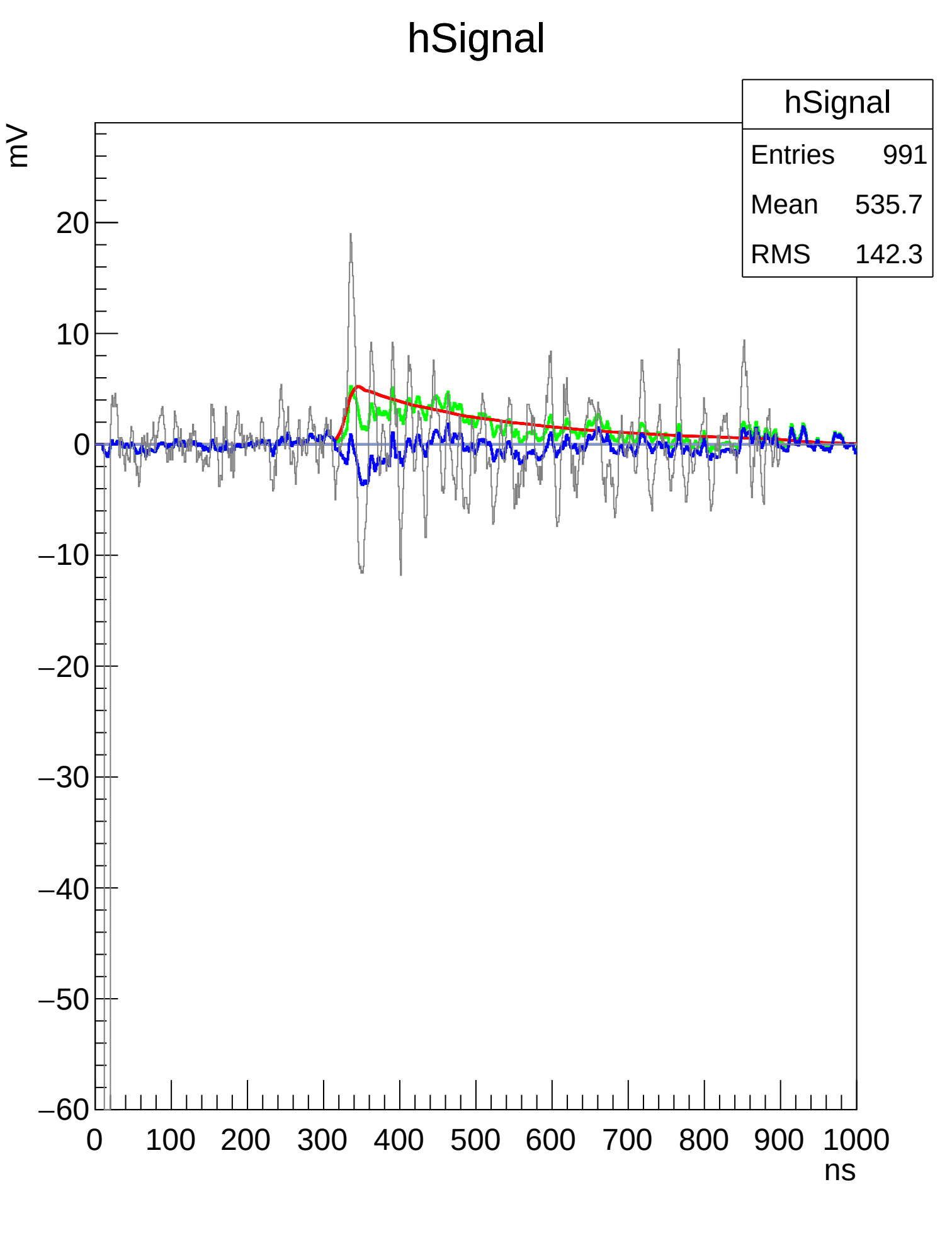
hSignal
hSignal
Entries 991
Mean 535.7
RMS 142.3
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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500
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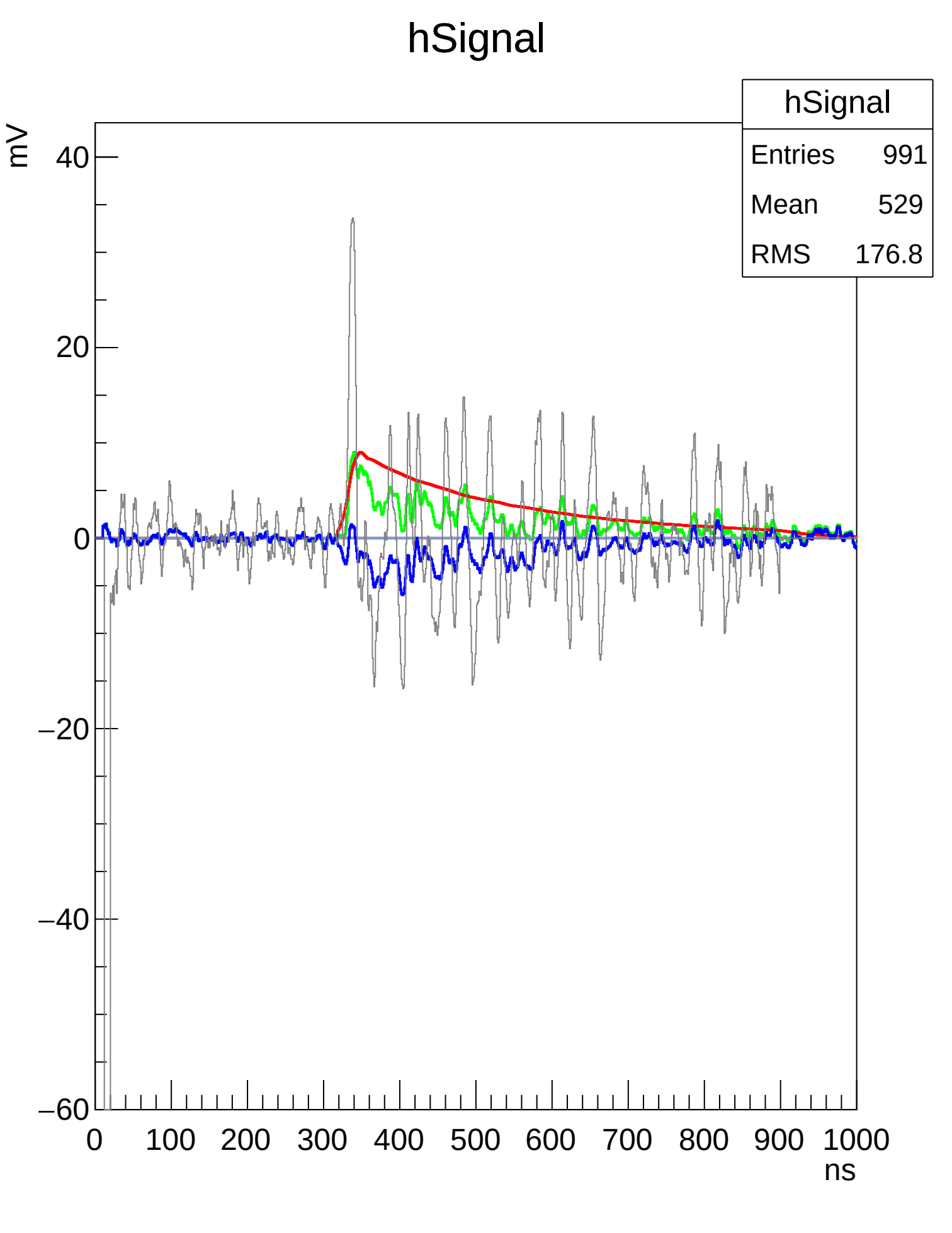
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529
RMS 176.8
mV
40
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0
−20
−40
−60
0
100
200
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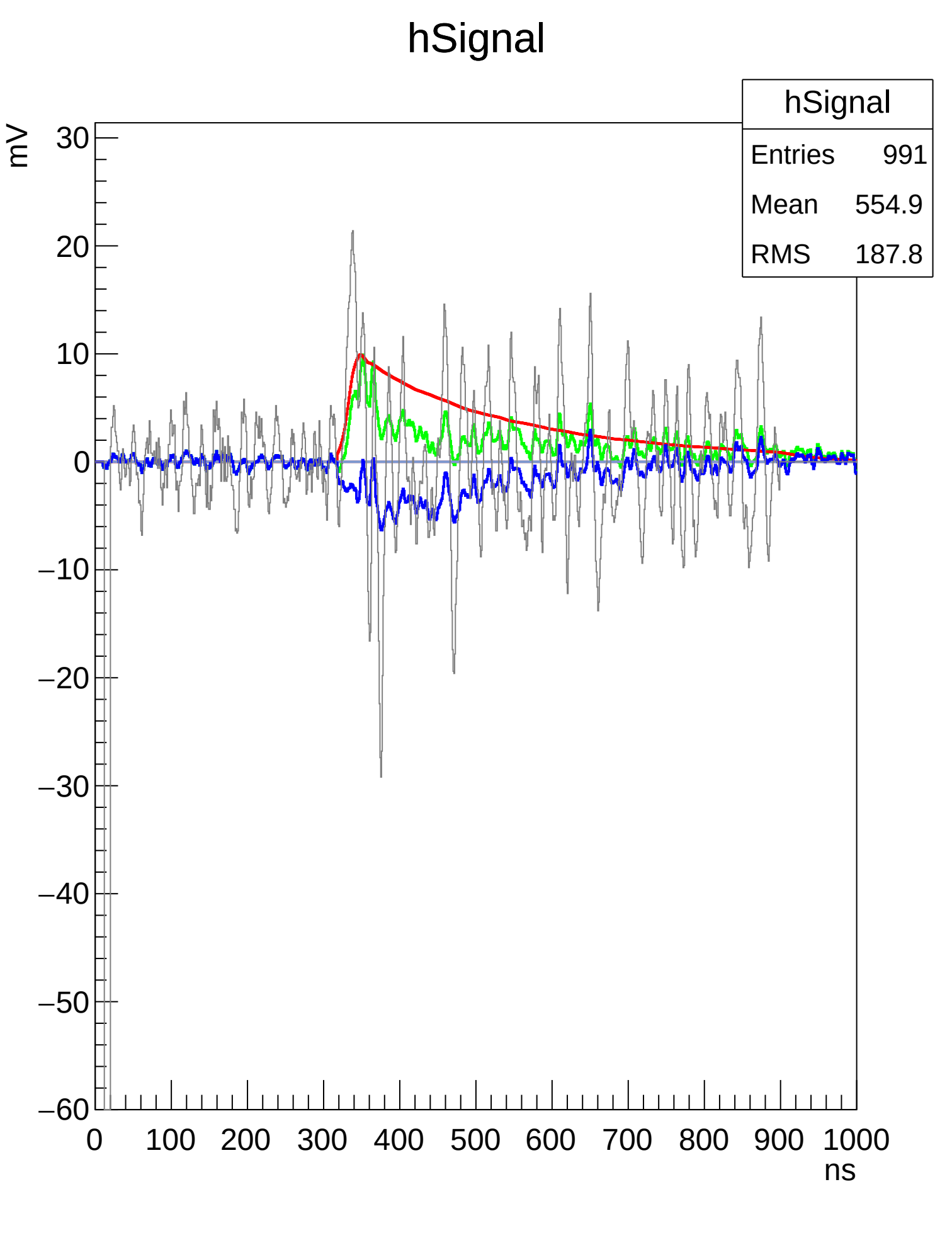
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.9
RMS 187.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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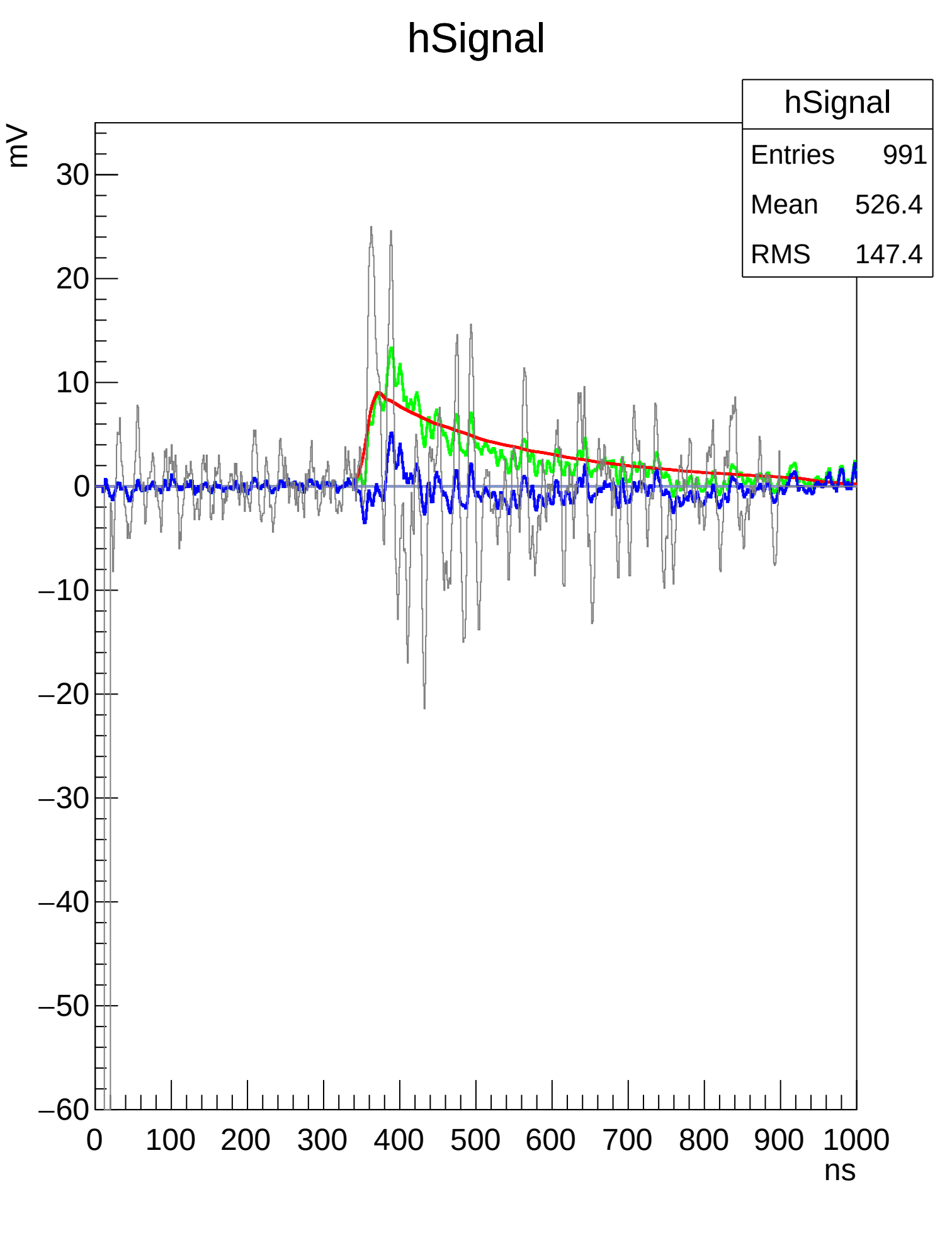
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.4
RMS 147.4
mV
30
20
10
0
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−20
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−40
−50
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0
100
200
300
400
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600
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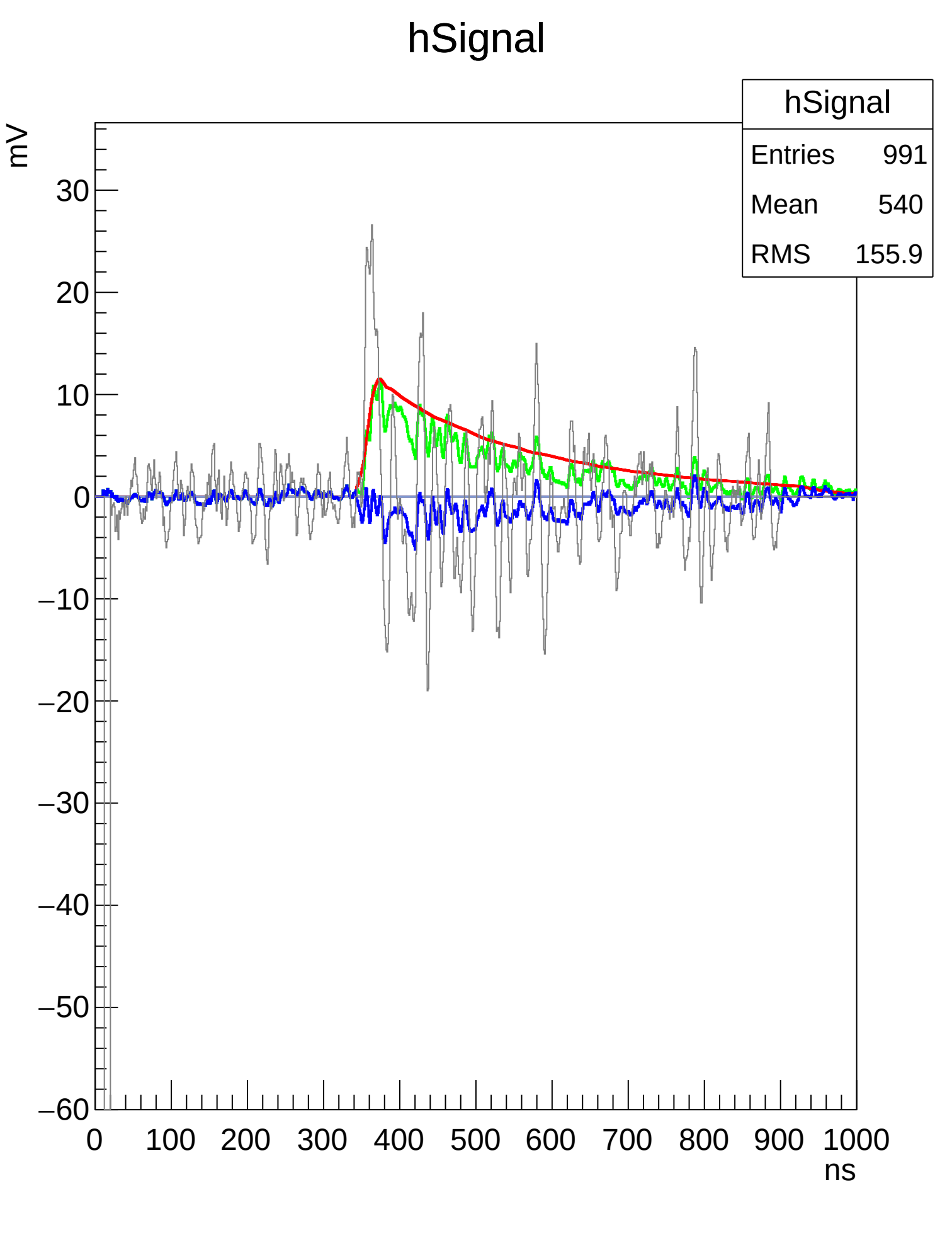
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540
RMS 155.9
mV
30
20
10
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−40
−50
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0
100
200
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400
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1000
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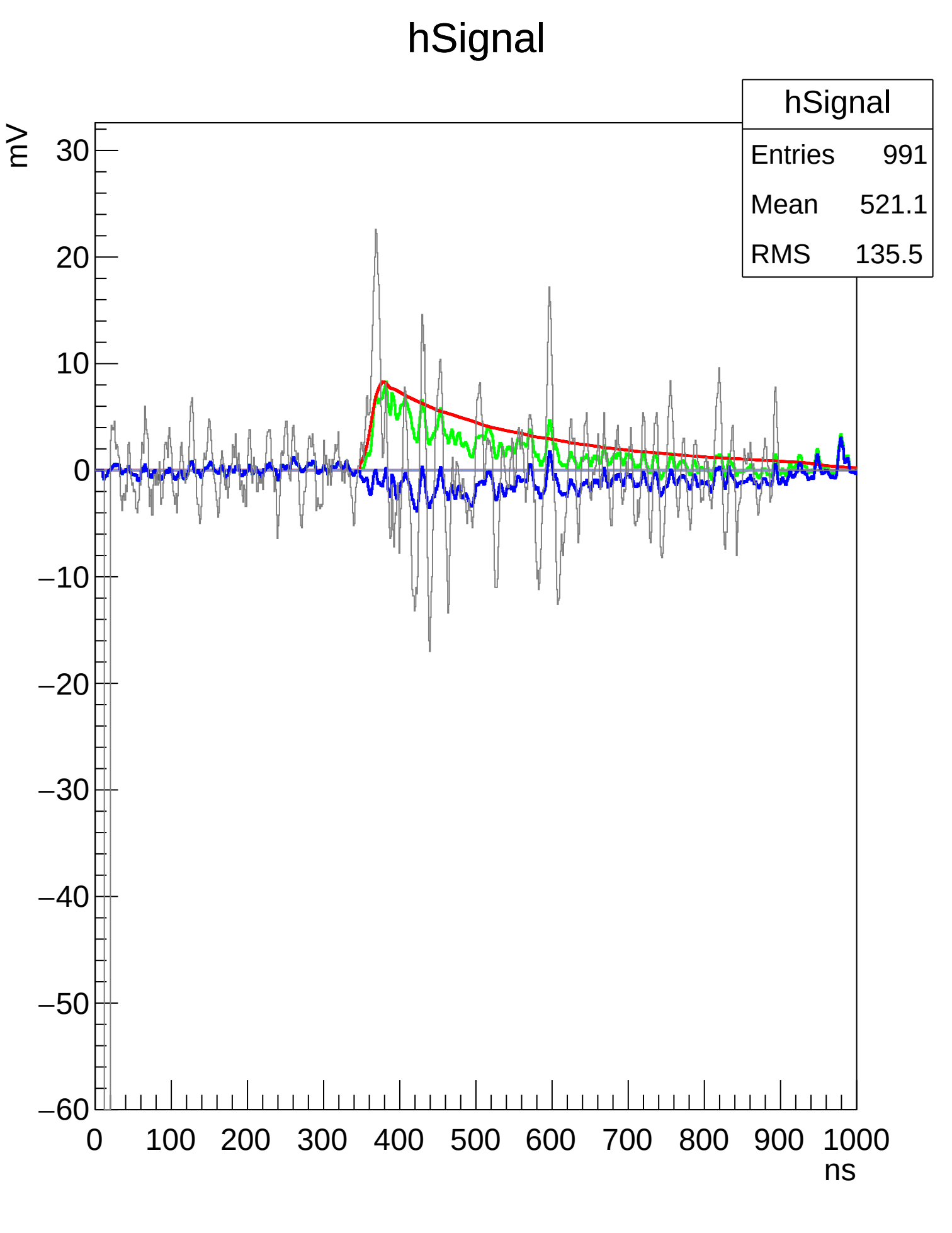
hSignal
hSignal
Entries 991
Mean 521.1
RMS 135.5
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
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800
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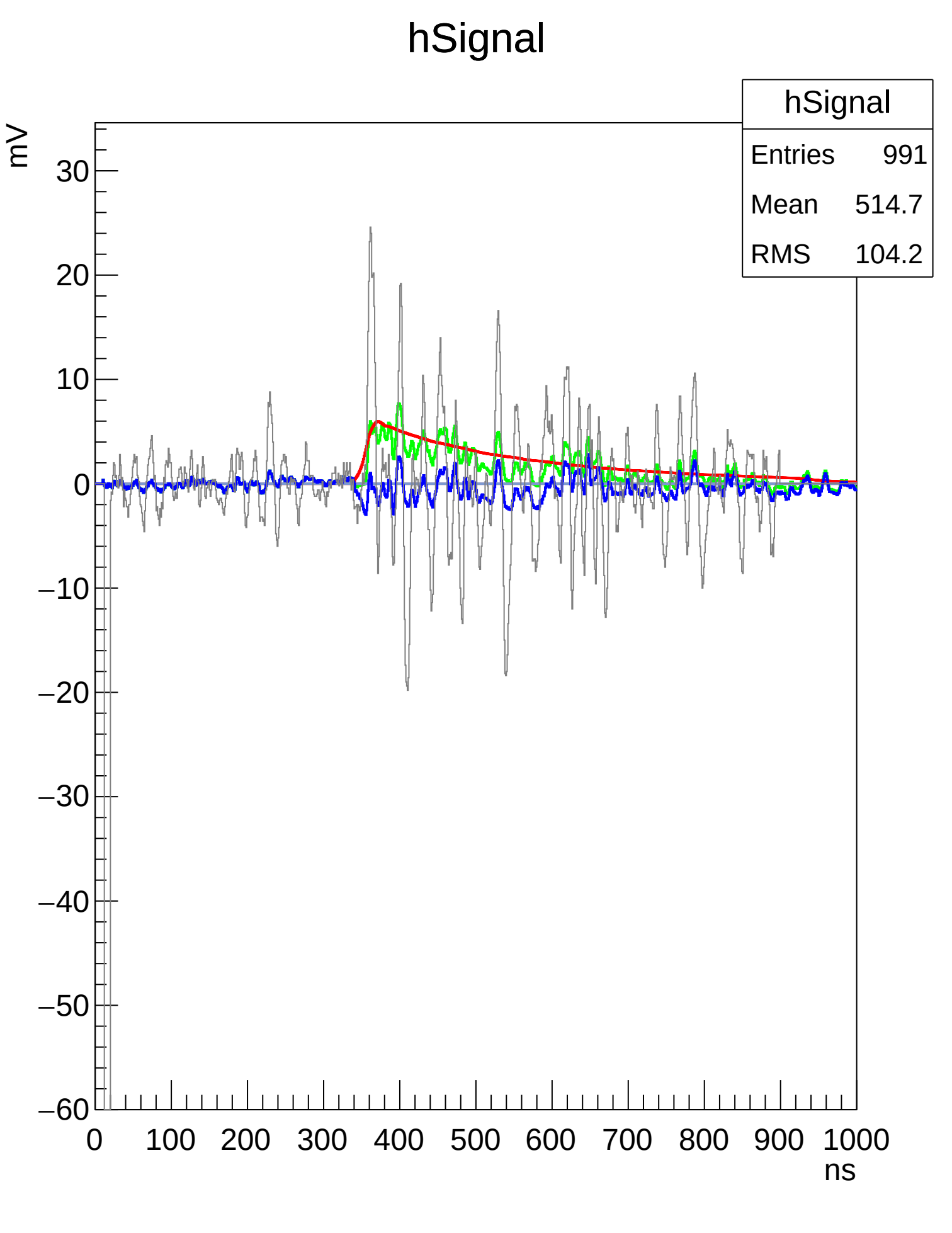
1000
ns


hSignal
hSignal
Entries 991
Mean 514.7
RMS 104.2
mV
30
20
10
0
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−50
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0
100
200
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400
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800
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1000
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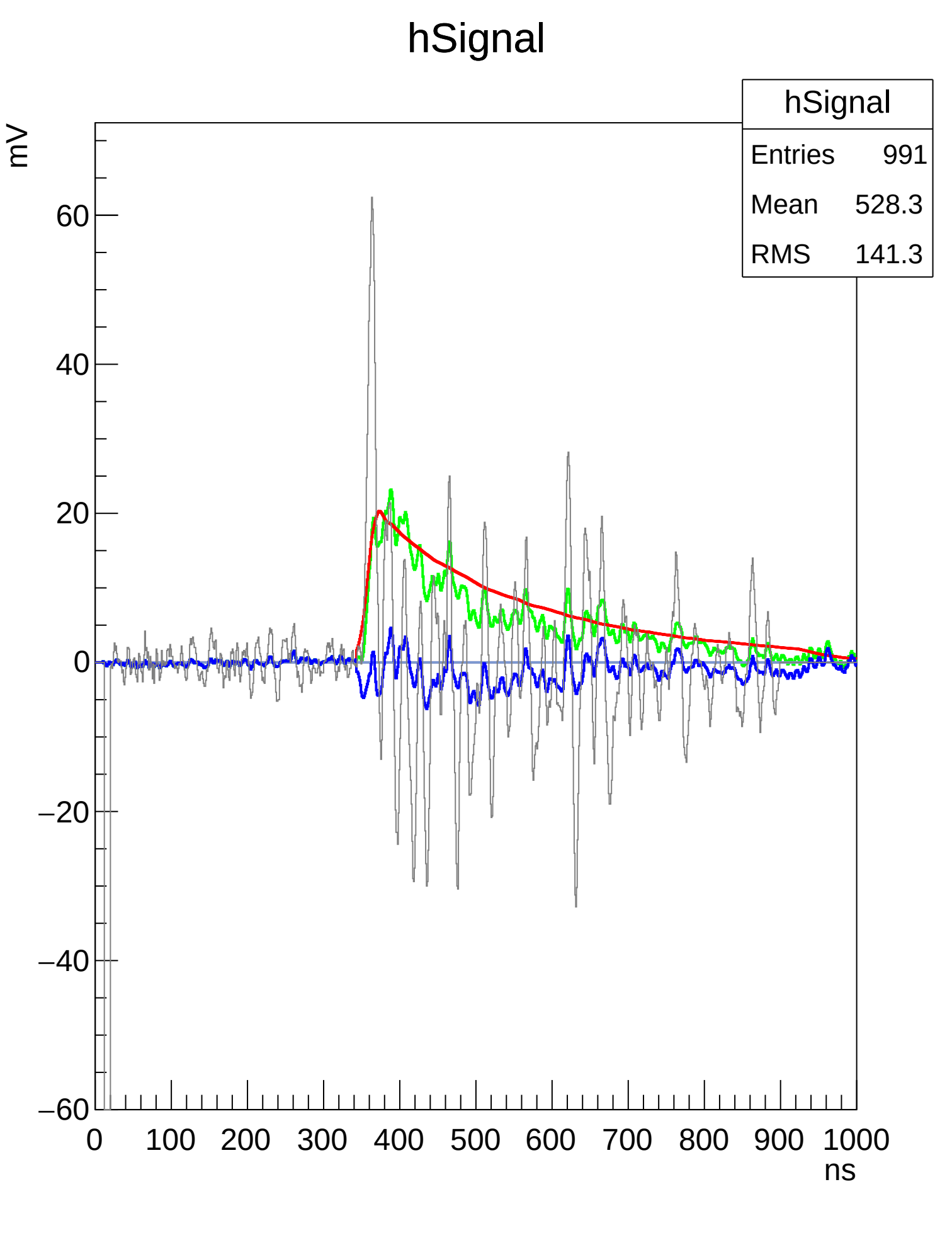
hSignal
hSignal
Entries 991
Mean 528.3
RMS 141.3
mV
60
40
20
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−20
−40
−60
0
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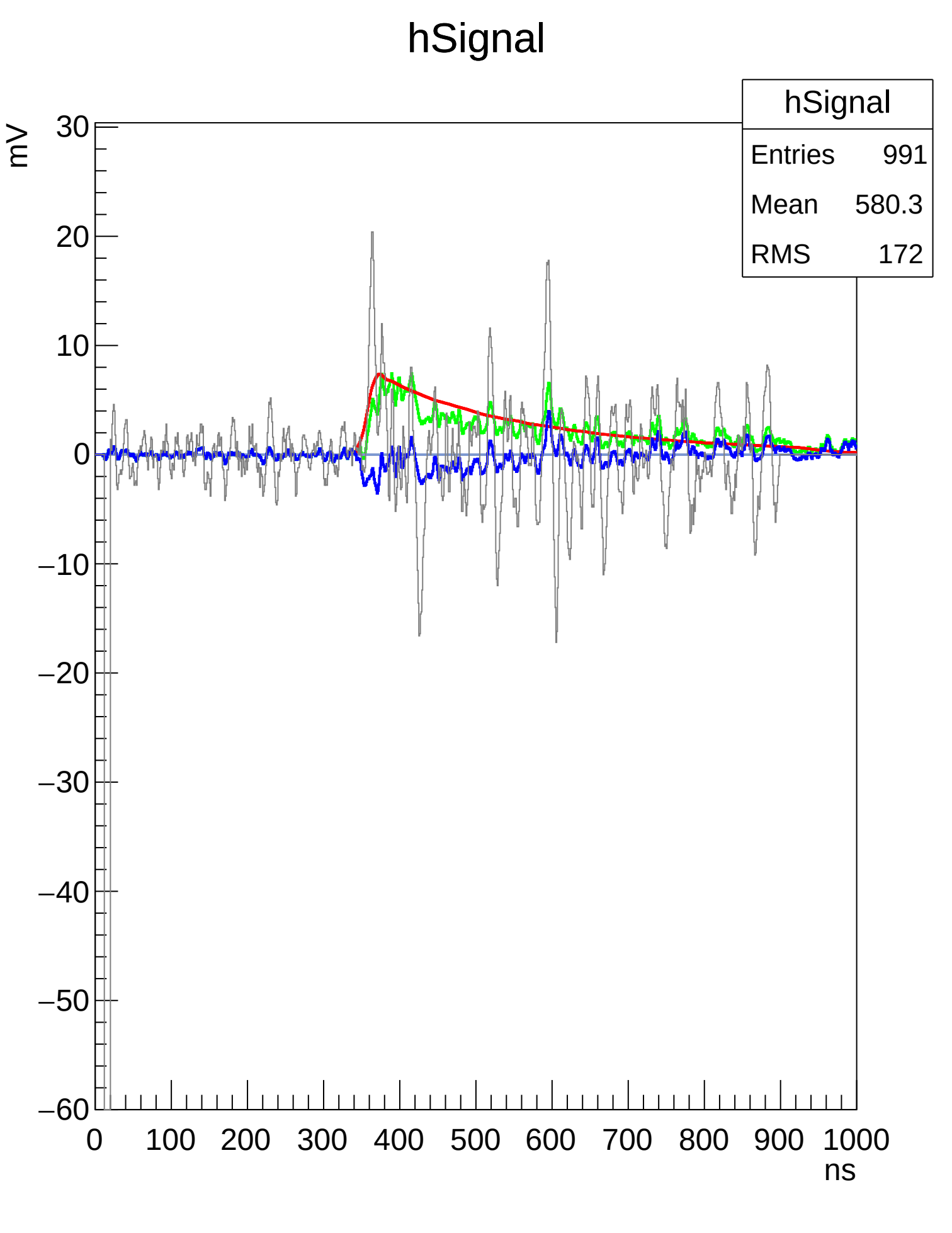
hSignal
hSignal
Entries 991
Mean 580.3
RMS 172
mV
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20
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0
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−40
−50
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0
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400
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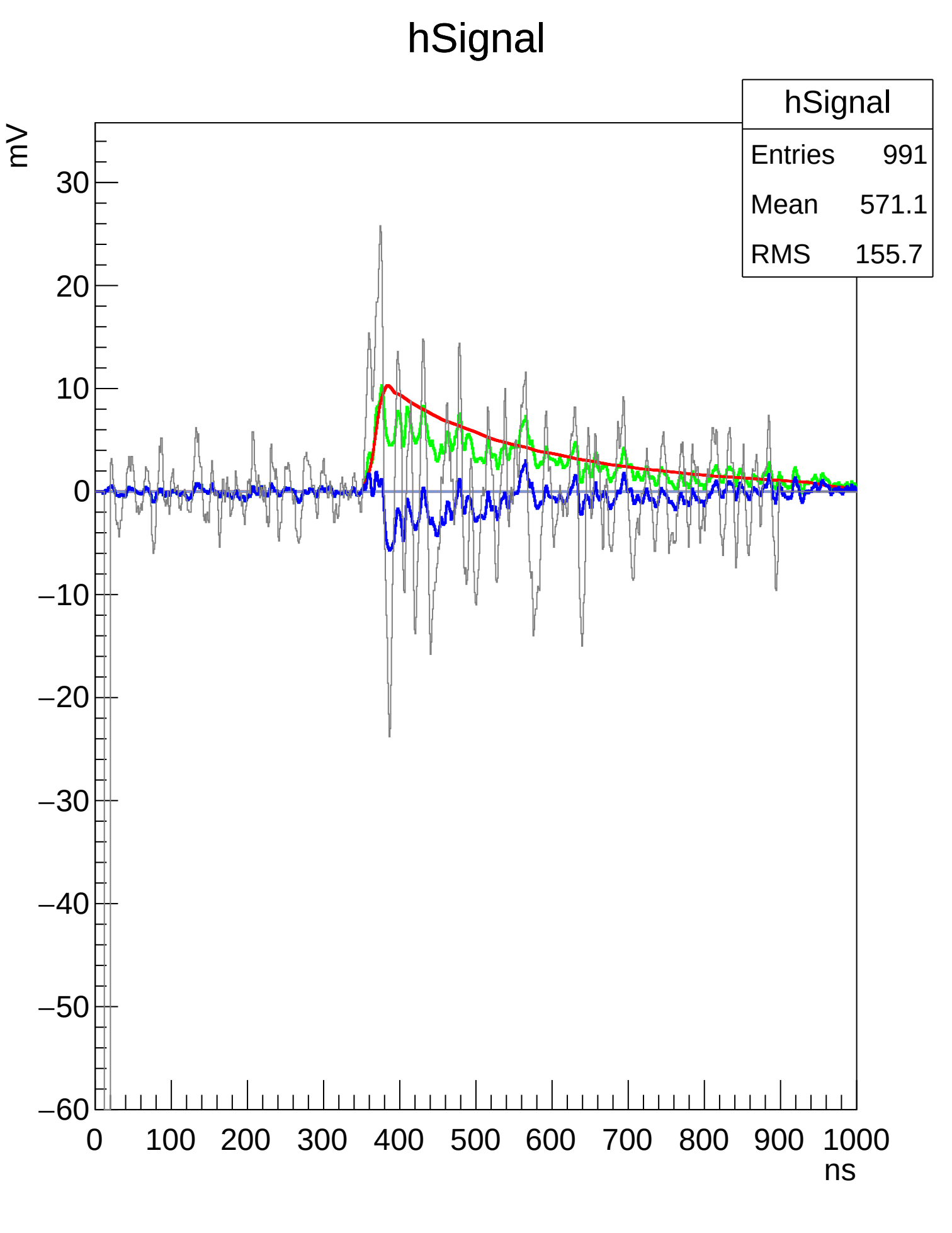
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.1
RMS 155.7
mV
30
20
10
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−50
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0
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1000
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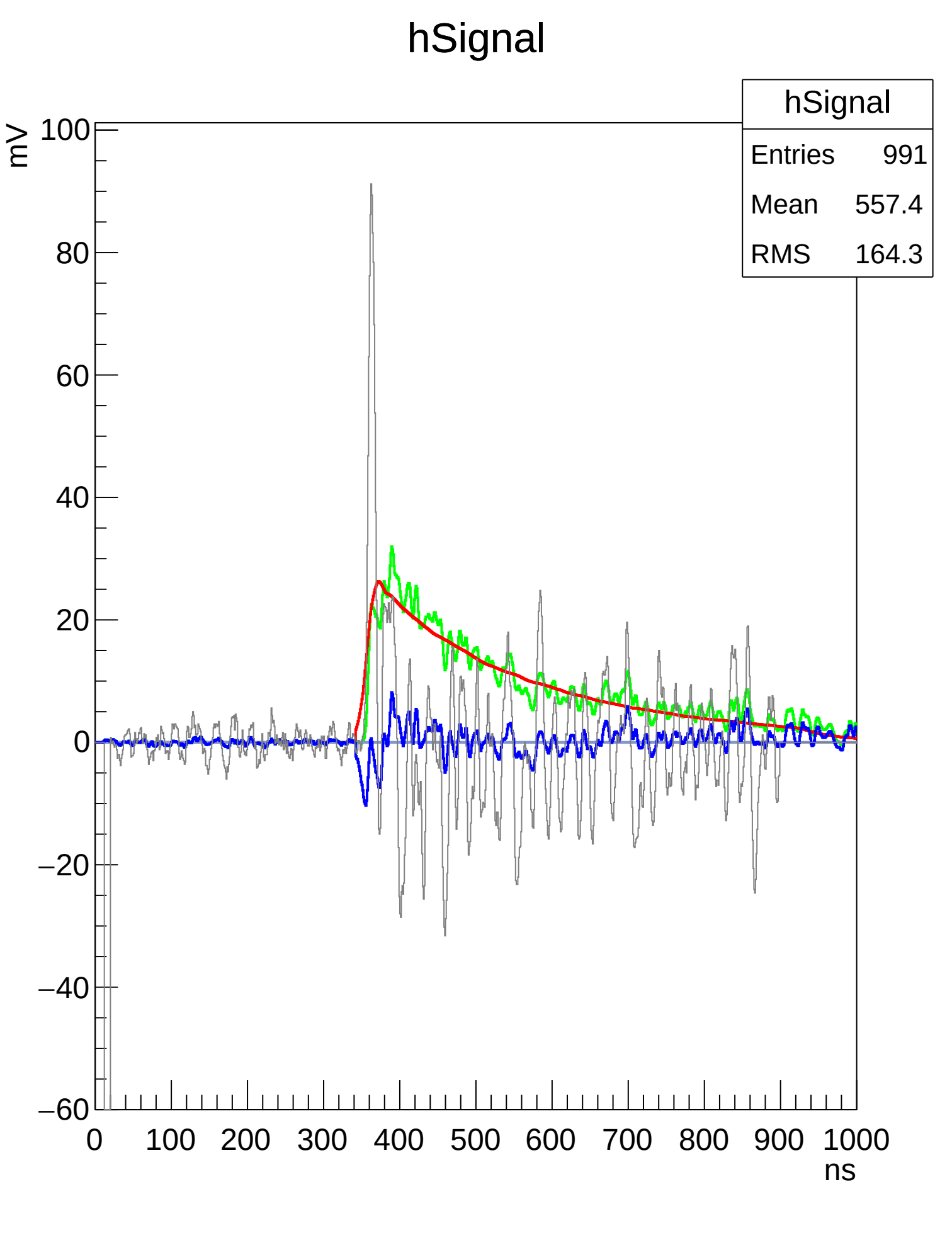
hSignal
hSignal
Entries 991
Mean 557.4
RMS 164.3
mV
100
80
60
40
20
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−20
−40
−60
0
100
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400
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800
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1000
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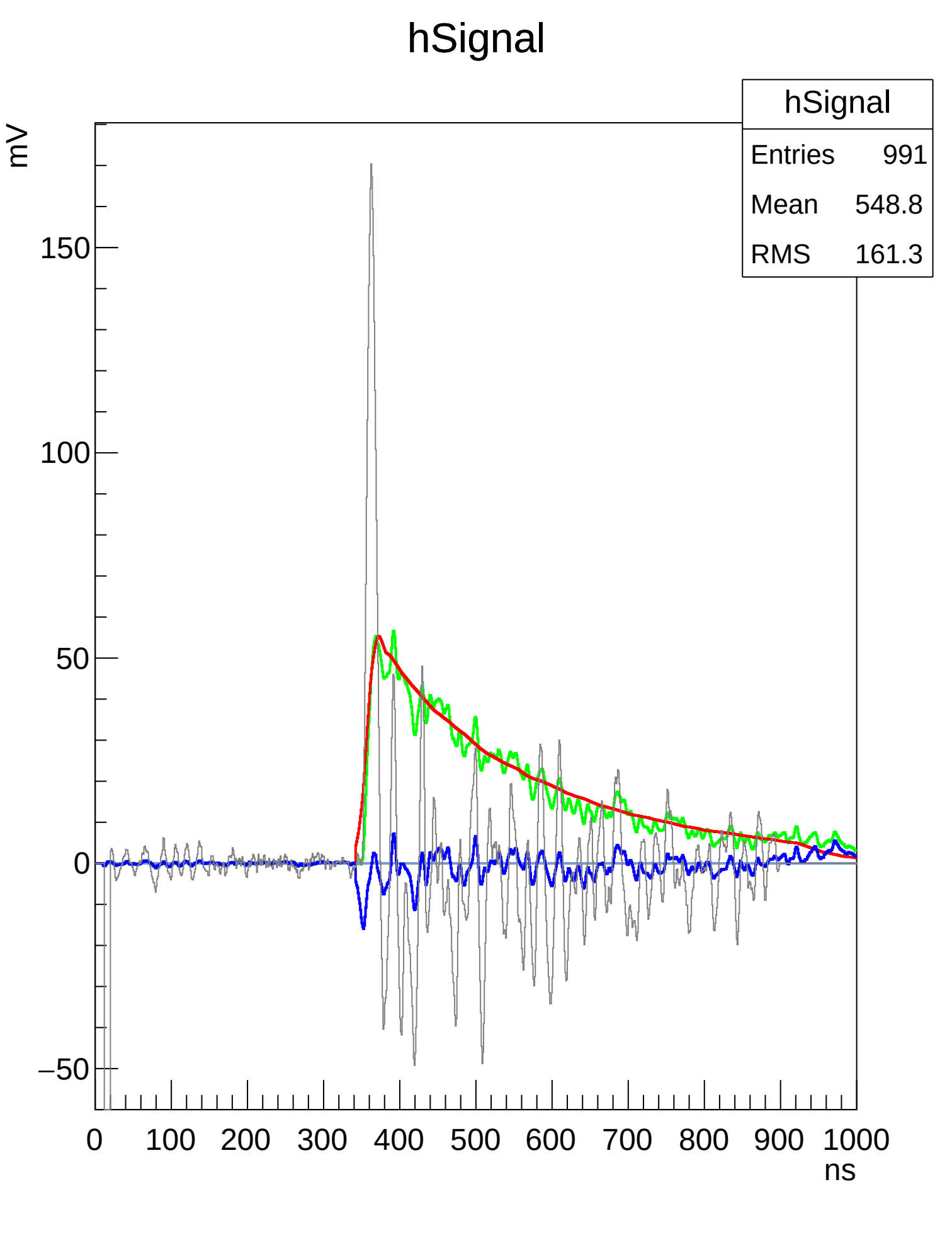
hSignal
hSignal
Entries 991
Mean 548.8
RMS 161.3
mV
150
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50
0
−50
0
100
200
300
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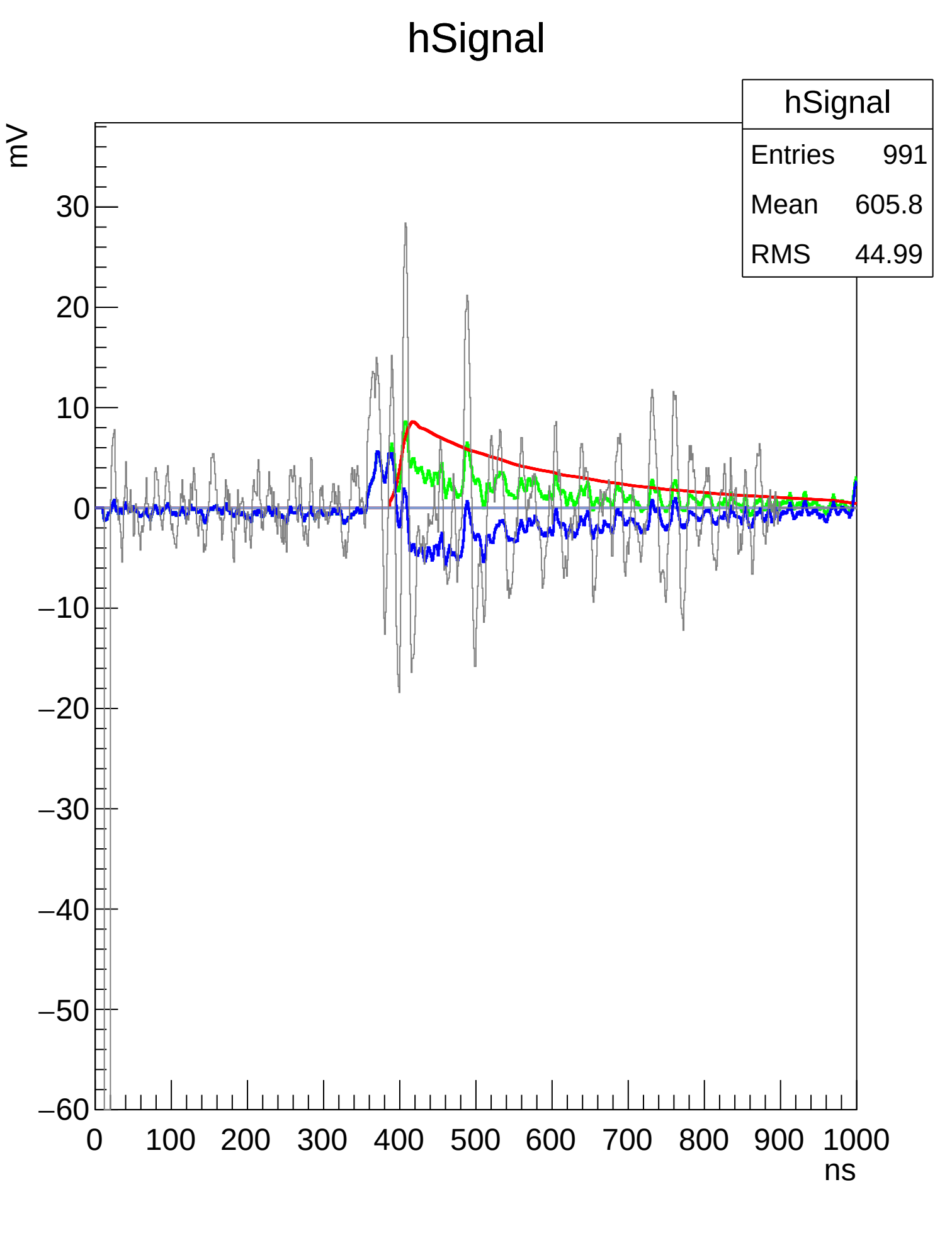
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.8
RMS 44.99
mV
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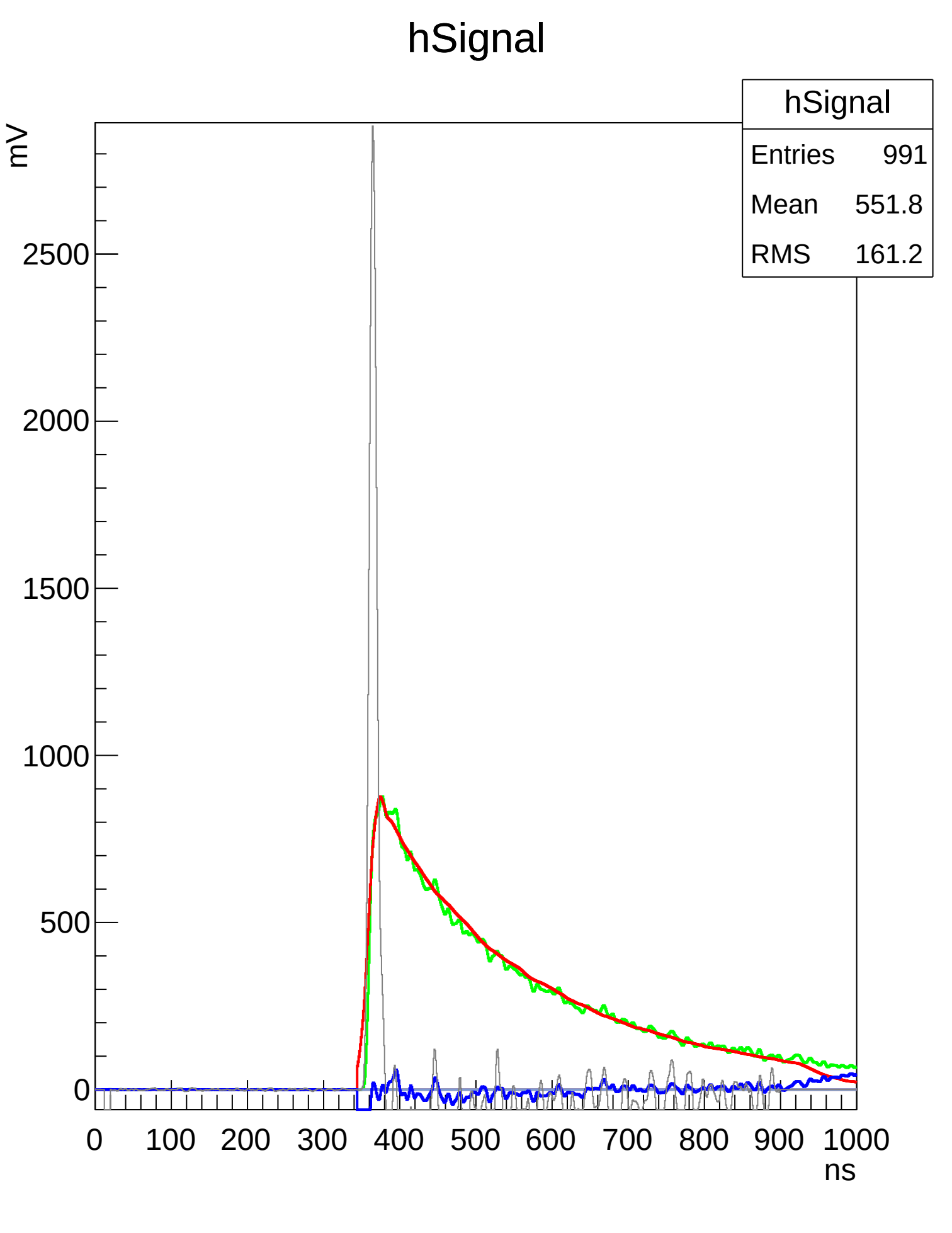
hSignal
hSignal
Entries 991
Mean 551.8
RMS 161.2
mV
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1500
1000
500
0
0
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400
500
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700
800
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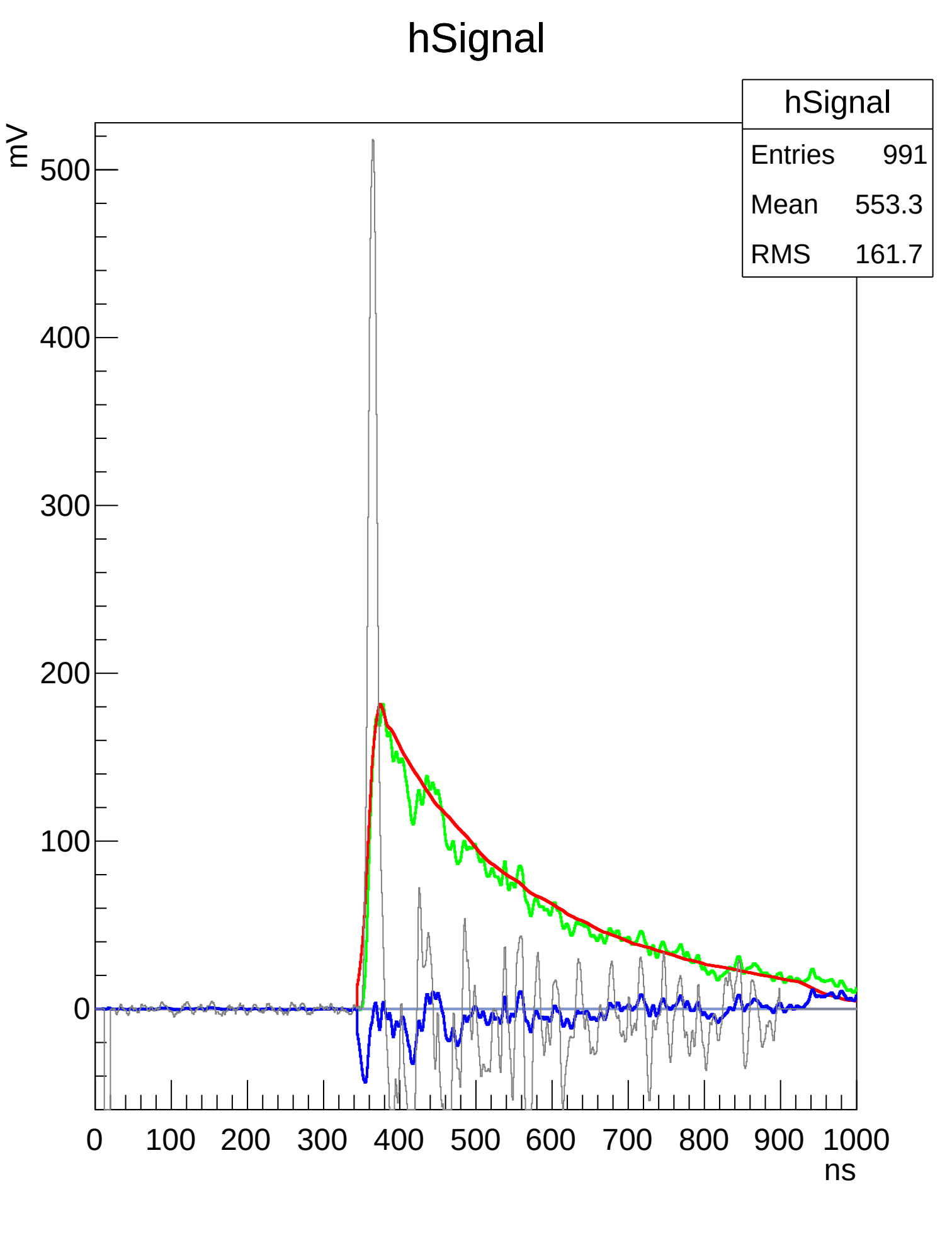
1000
ns


hSignal
hSignal
Entries 991
Mean 553.3
RMS 161.7
mV
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300
200
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400
500
600
700
800
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1000
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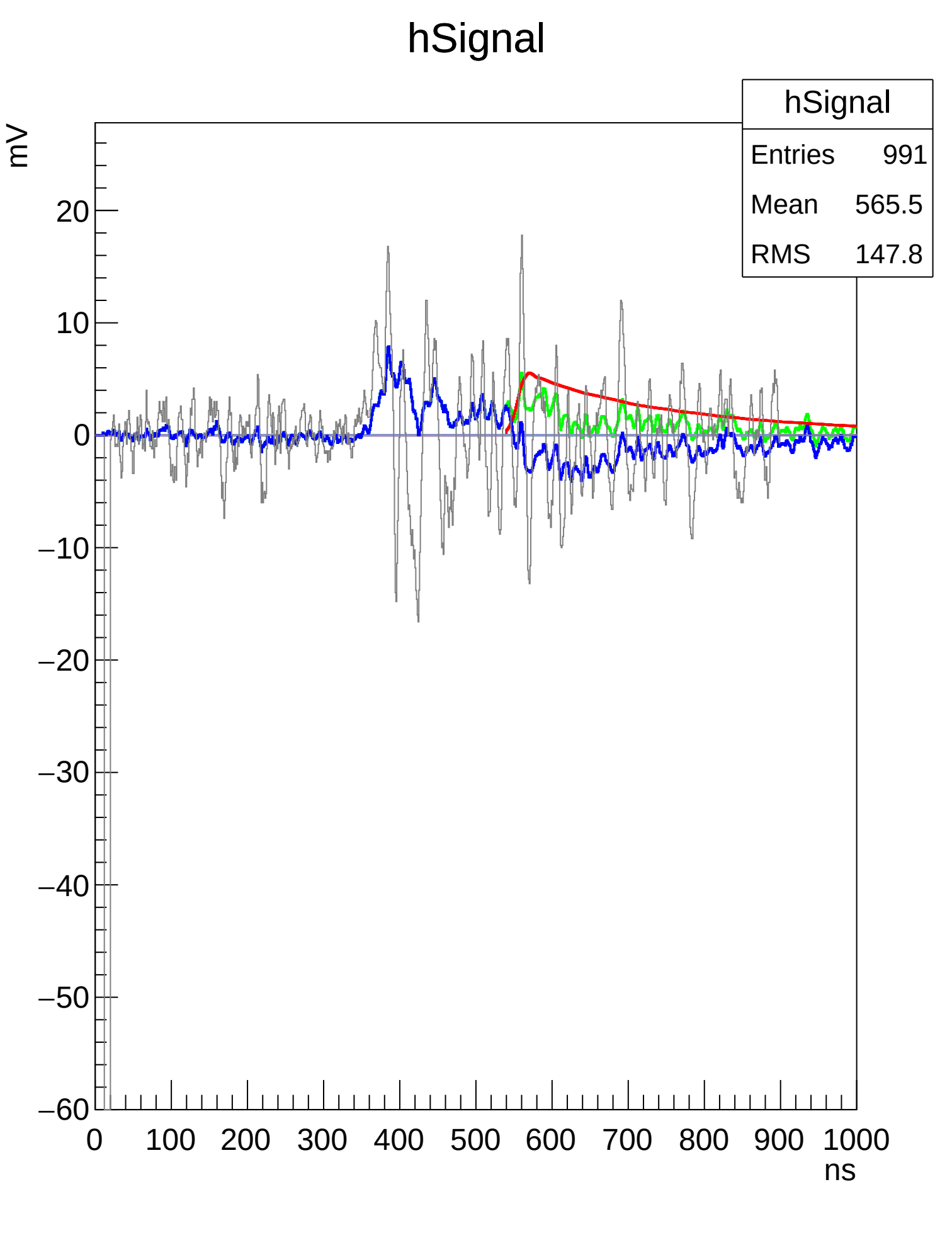
hSignal
hSignal
Entries 991
Mean 565.5
RMS 147.8
mV
20
10
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−40
−50
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0
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400
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800
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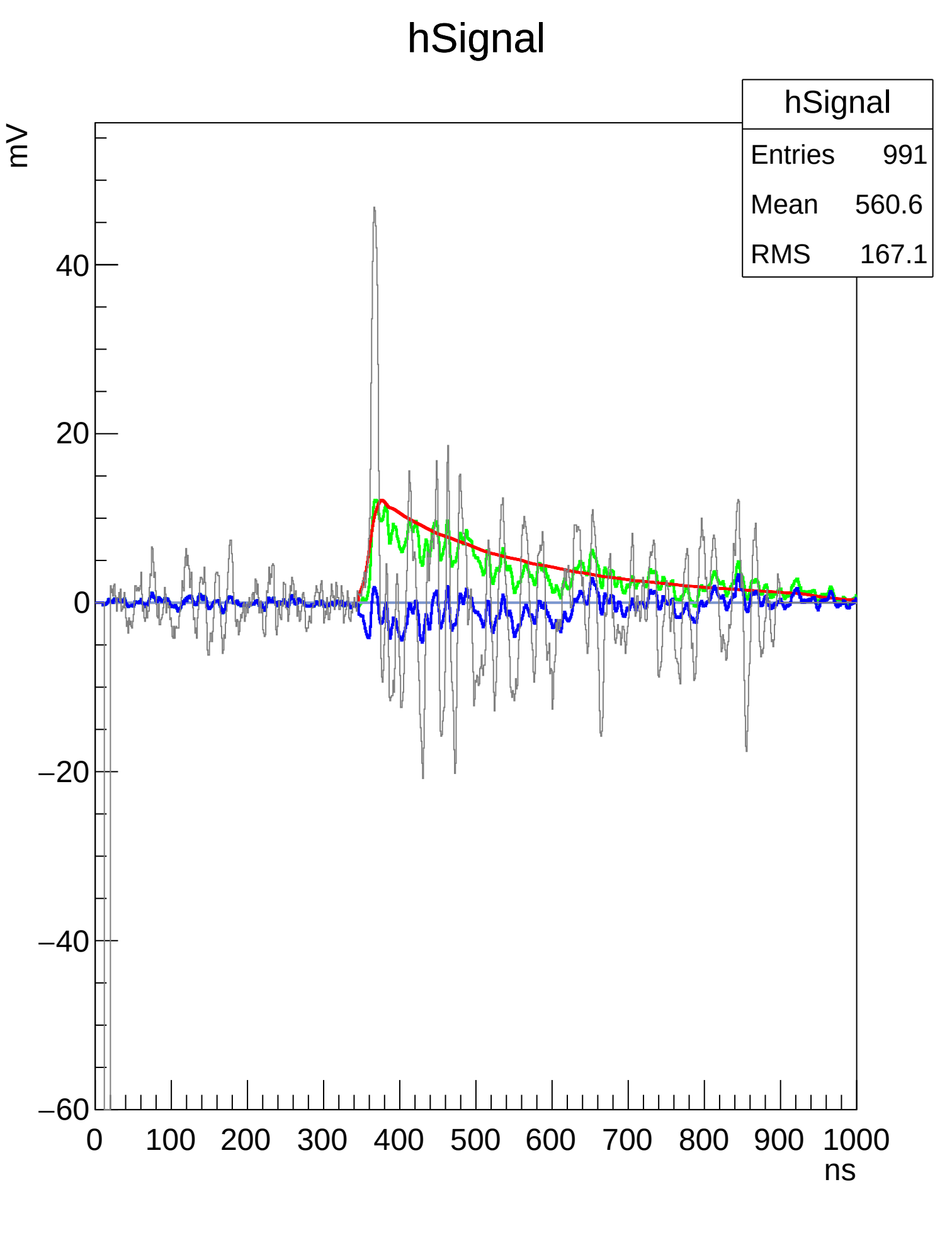
1000
ns


hSignal
hSignal
Entries 991
Mean 560.6
RMS 167.1
mV
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−20
−40
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0
100
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600
700
800
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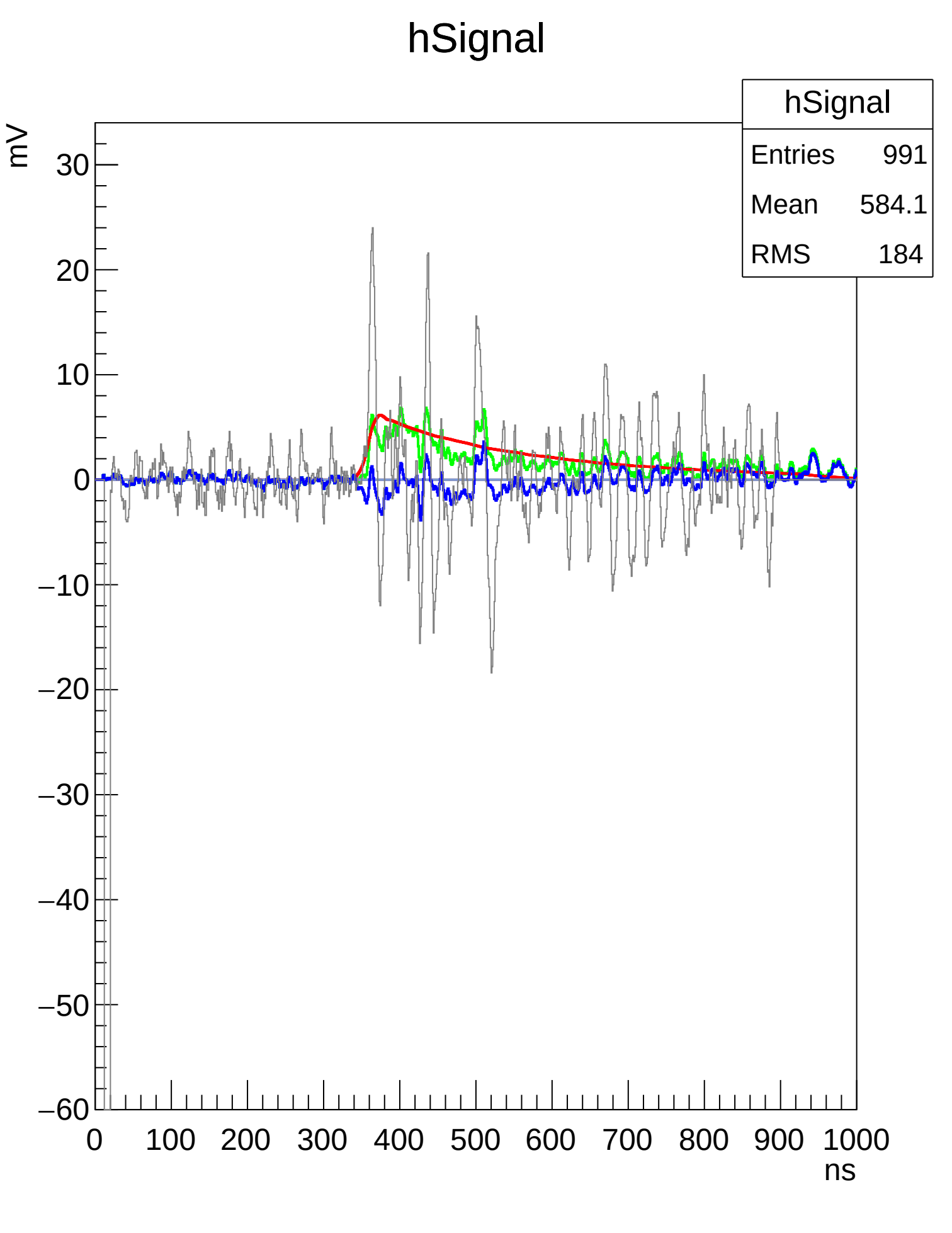
1000
ns


hSignal
hSignal
Entries 991
Mean 584.1
RMS 184
mV
30
20
10
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400
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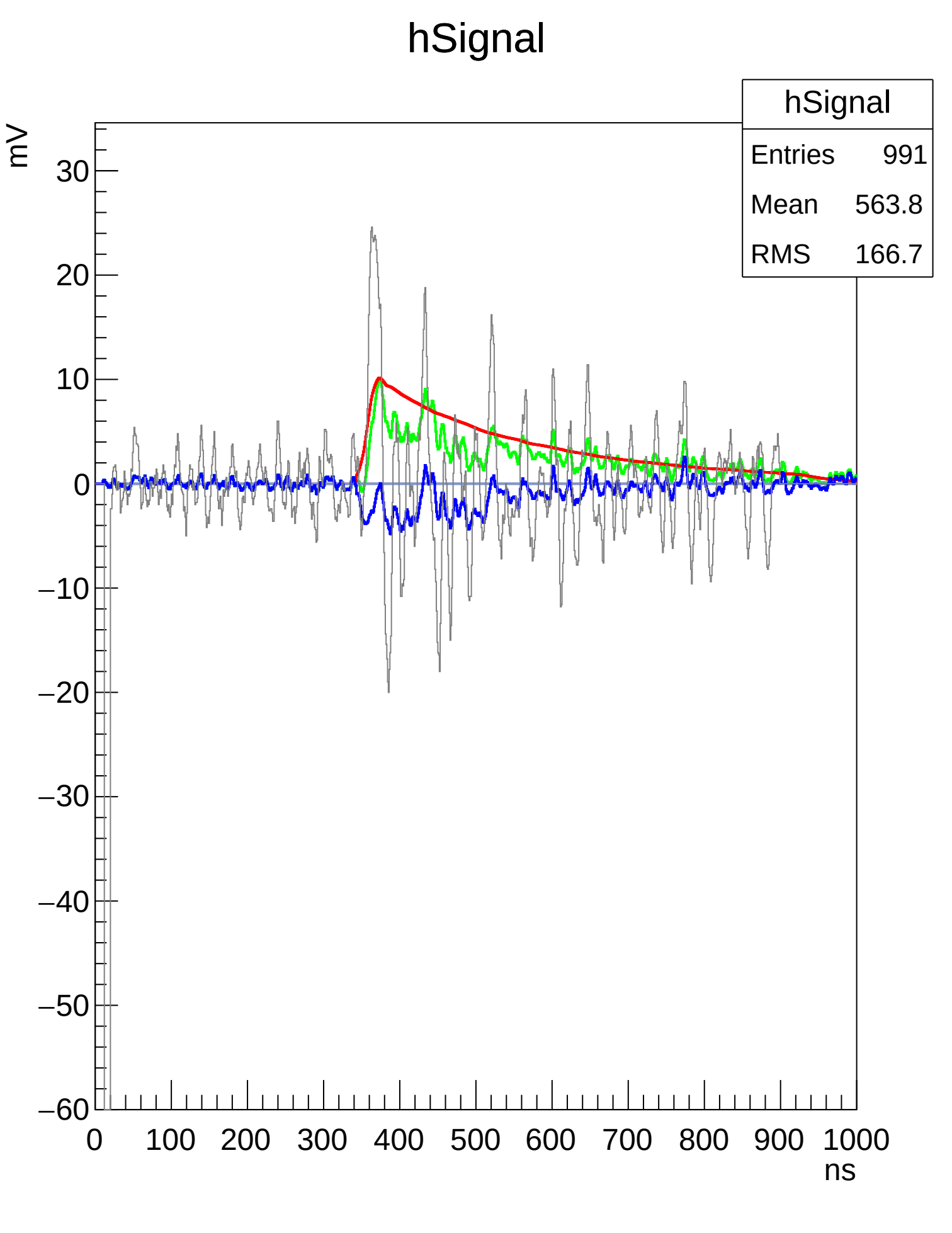
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.8
RMS 166.7
mV
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10
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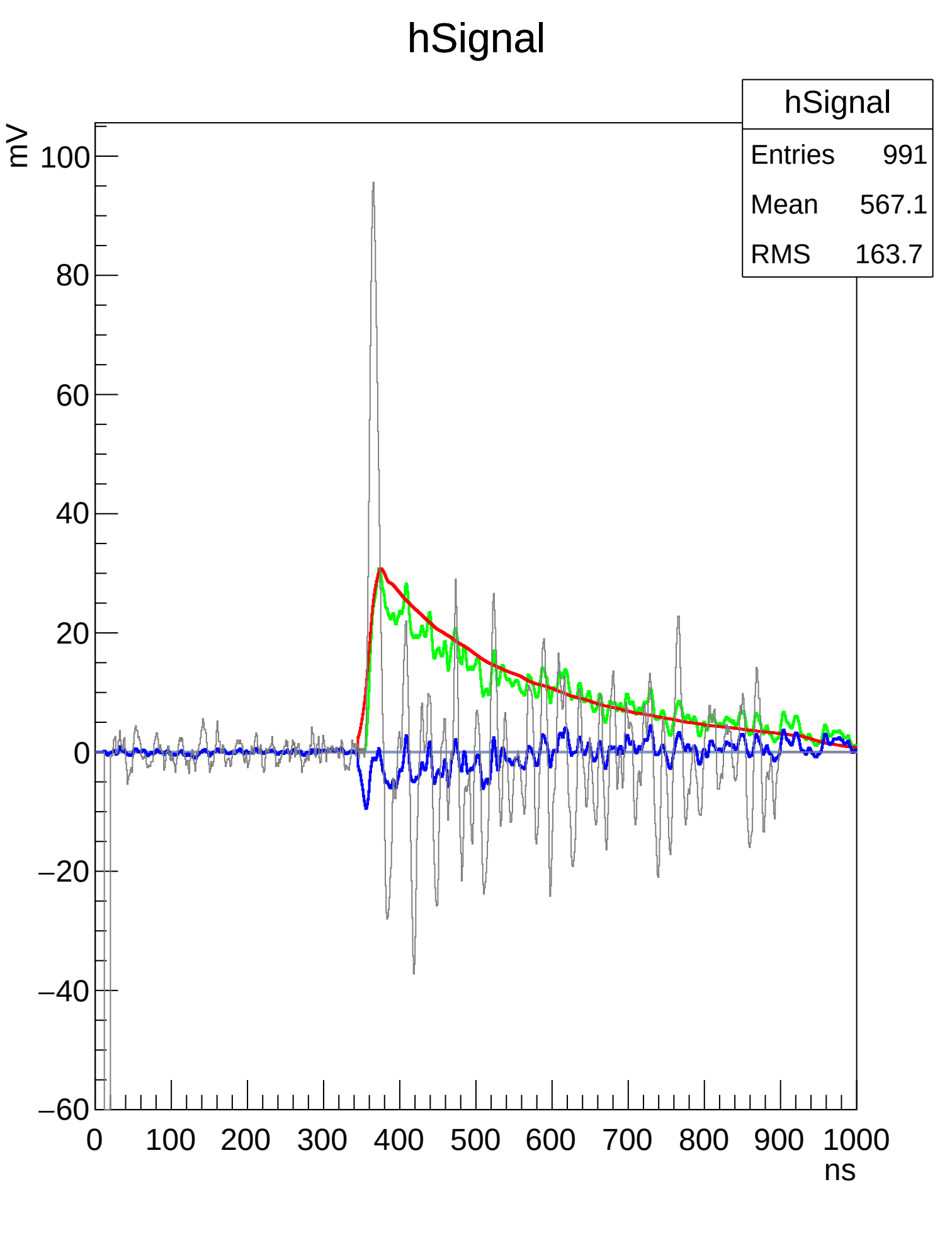
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.1
RMS 163.7
mV
100
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400
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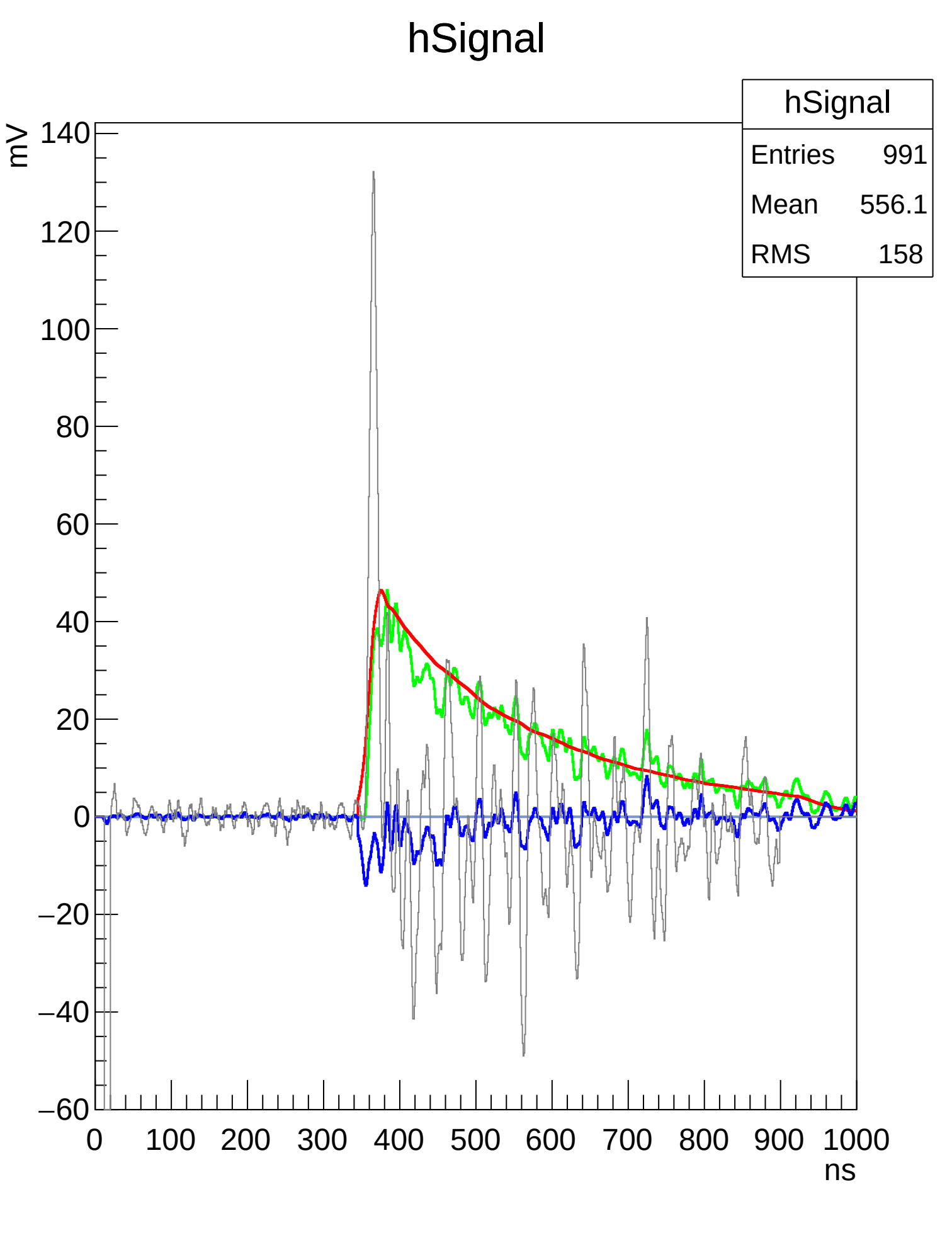
1000
ns


hSignal
hSignal
Entries 991
Mean 556.1
RMS 158
mV
140
120
100
80
60
40
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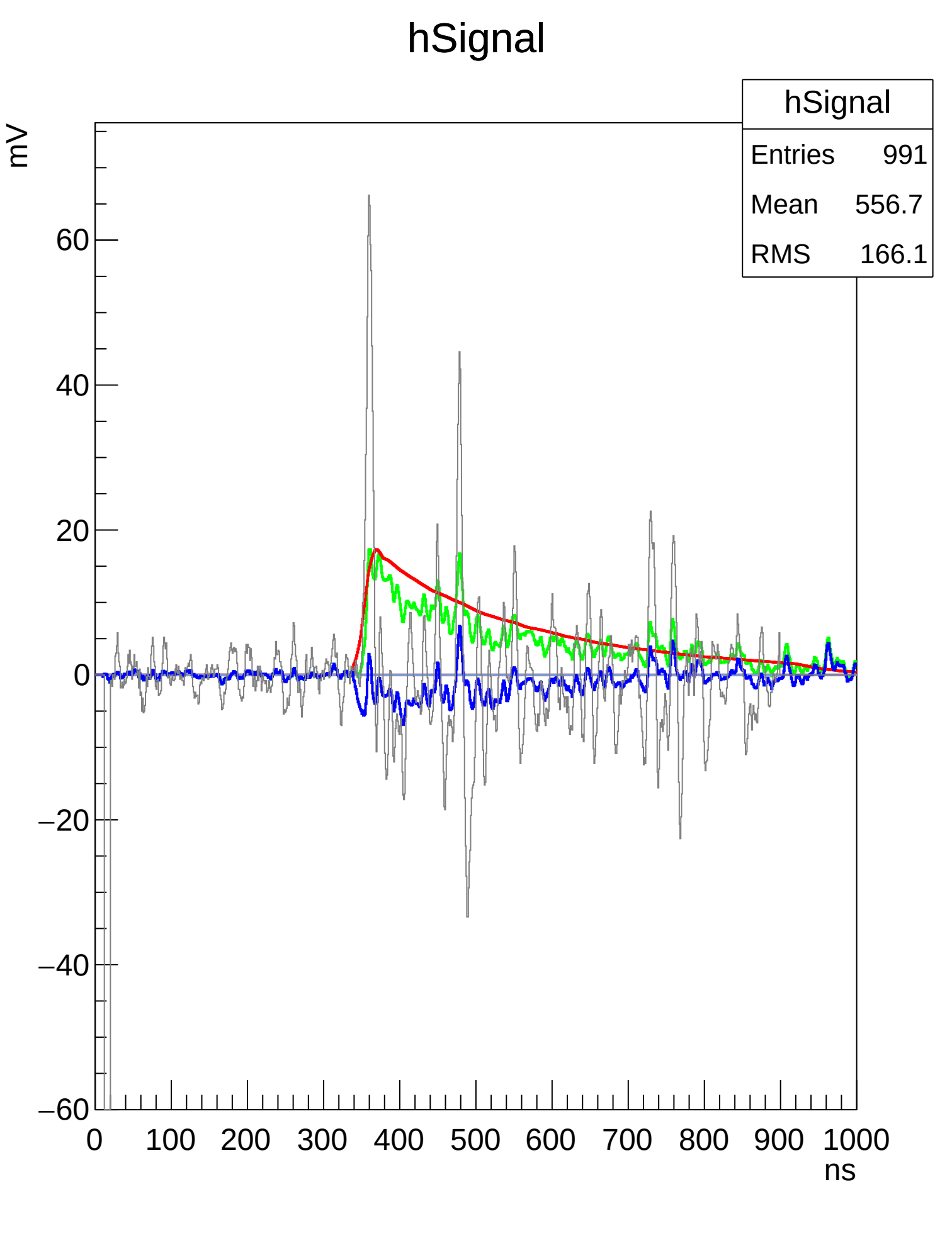
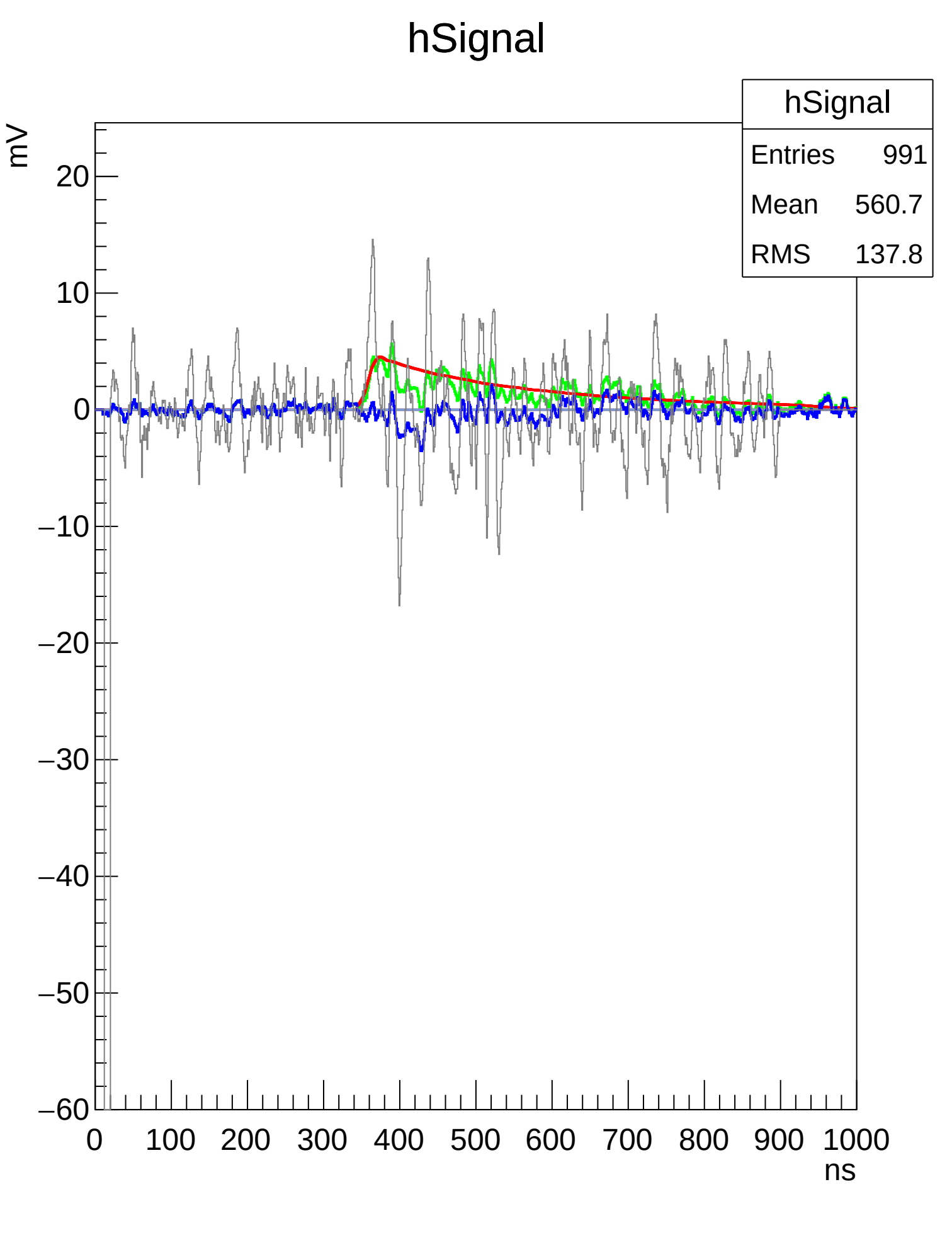
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.7
RMS 166.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.7
RMS 137.8
mV
20
10
0
−10
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−40
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0
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400
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1000
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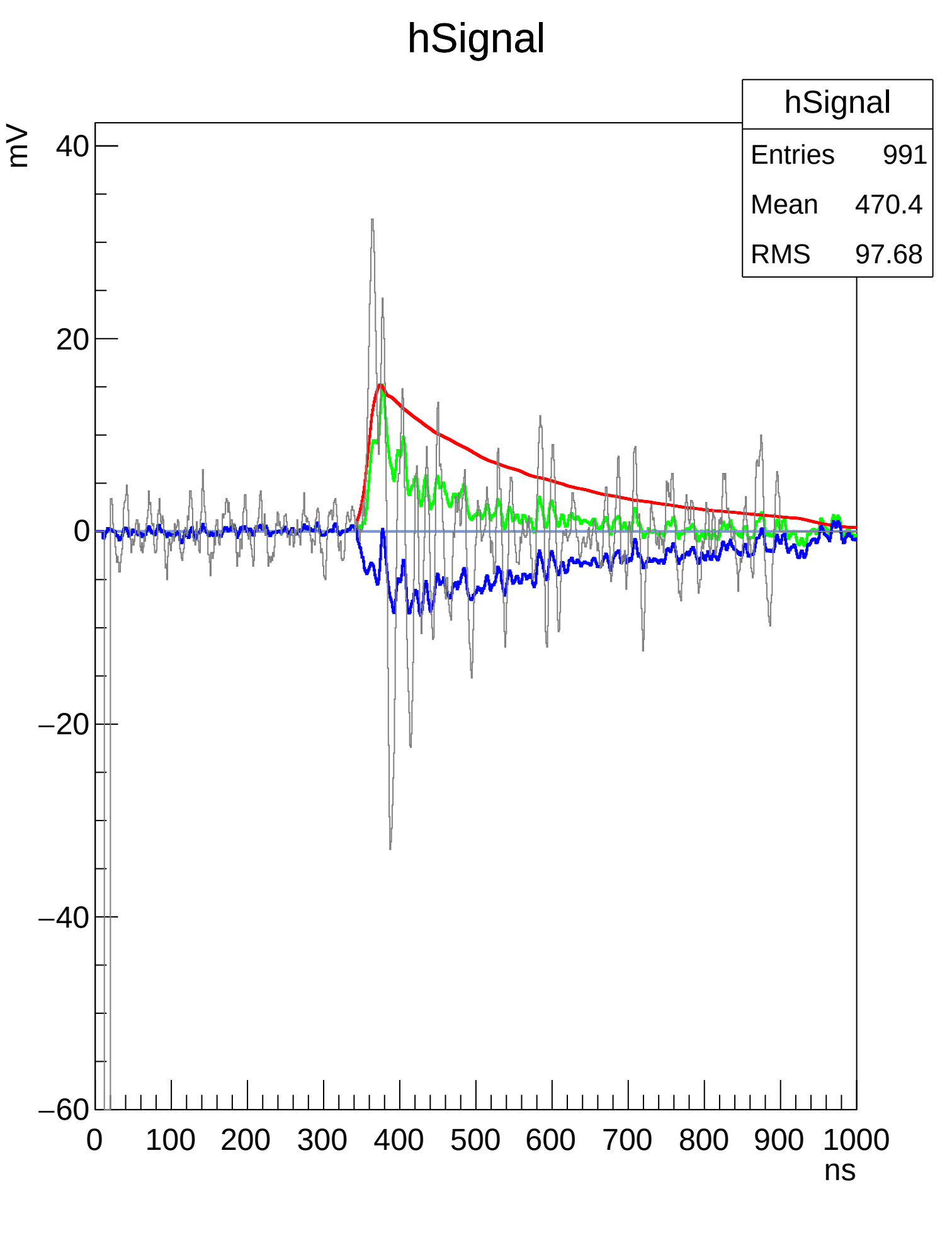
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hSignal
Entries 991
Mean 470.4
RMS 97.68
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800
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1000
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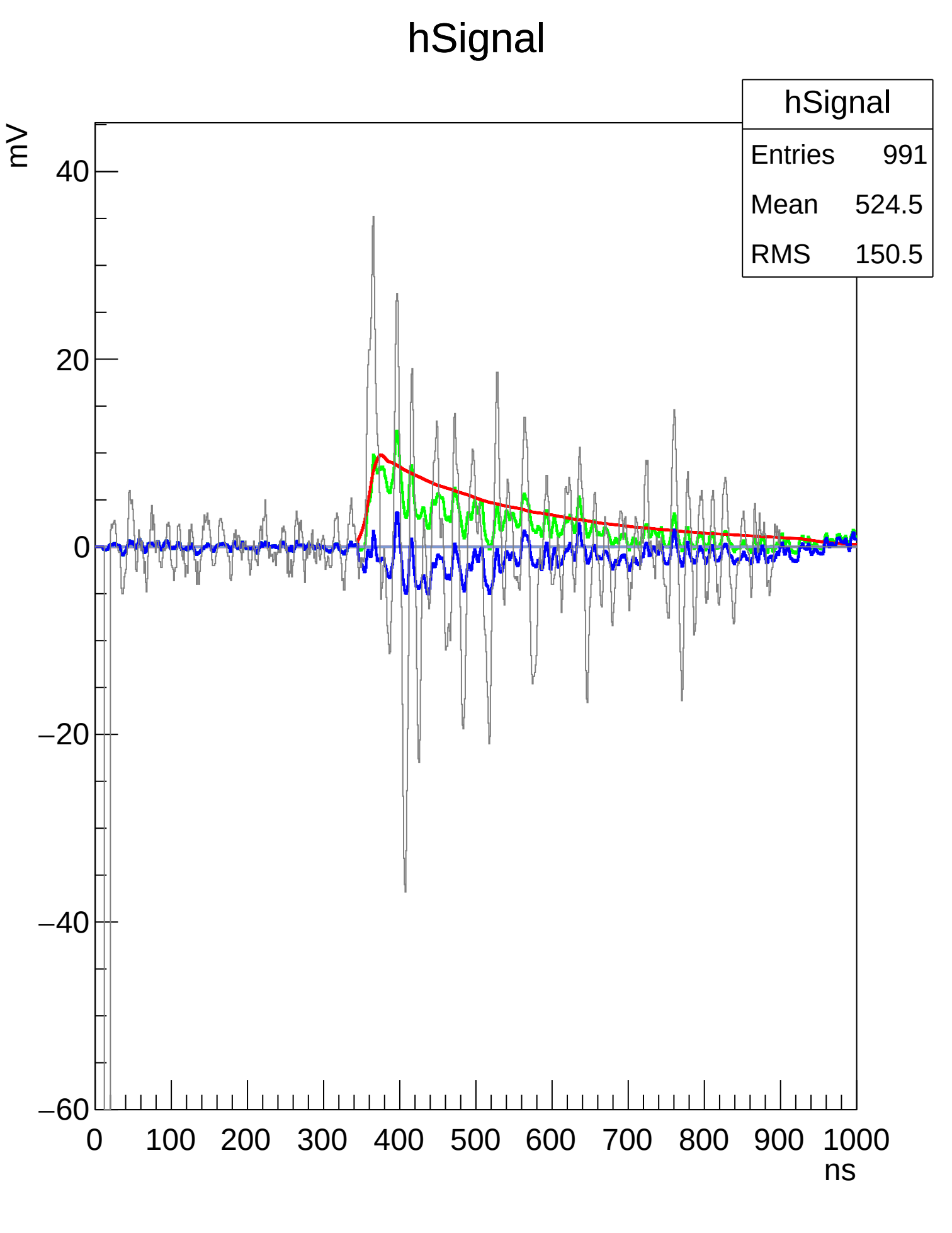
hSignal
hSignal
Entries 991
Mean 524.5
RMS 150.5
mV
40
20
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−20
−40
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0
100
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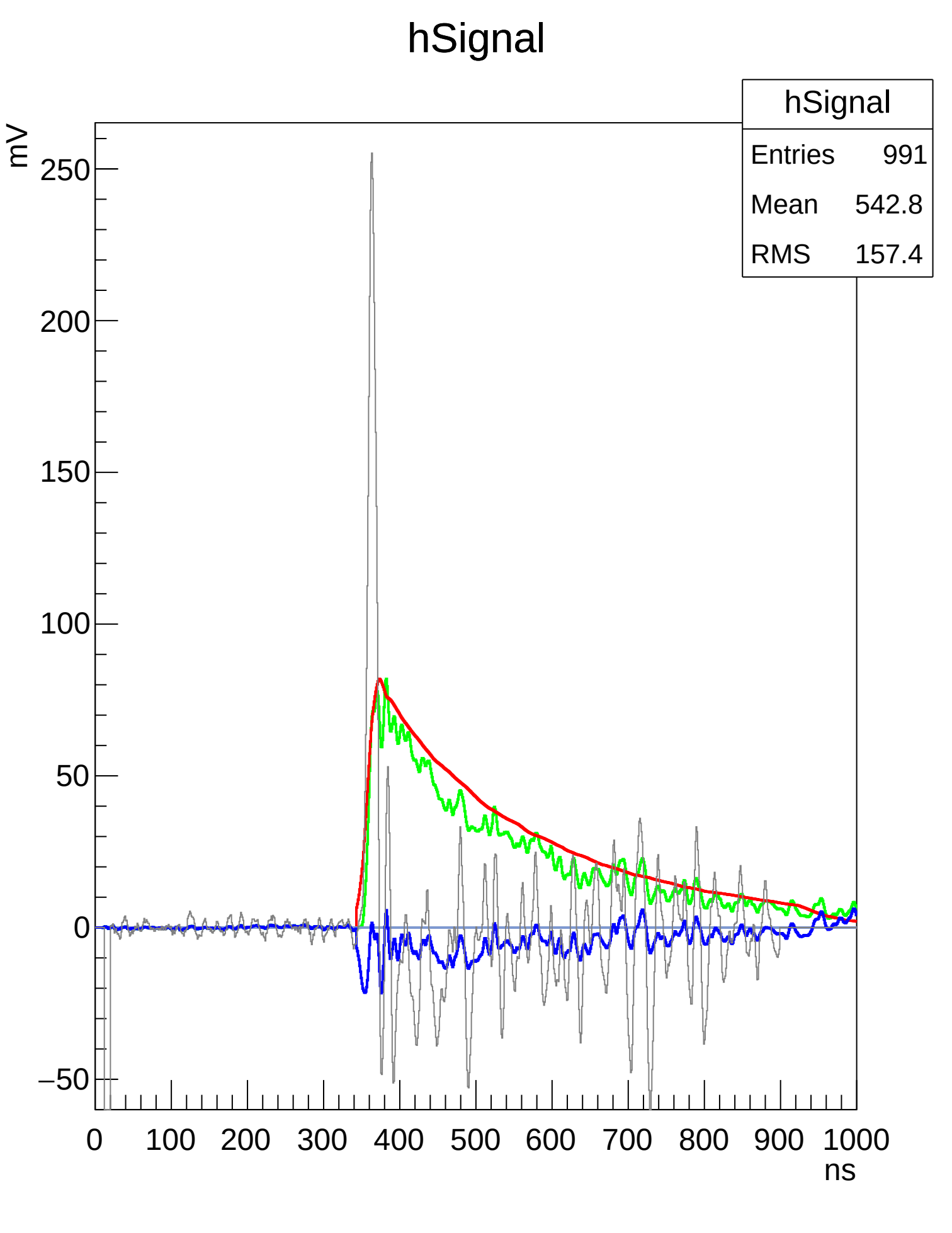
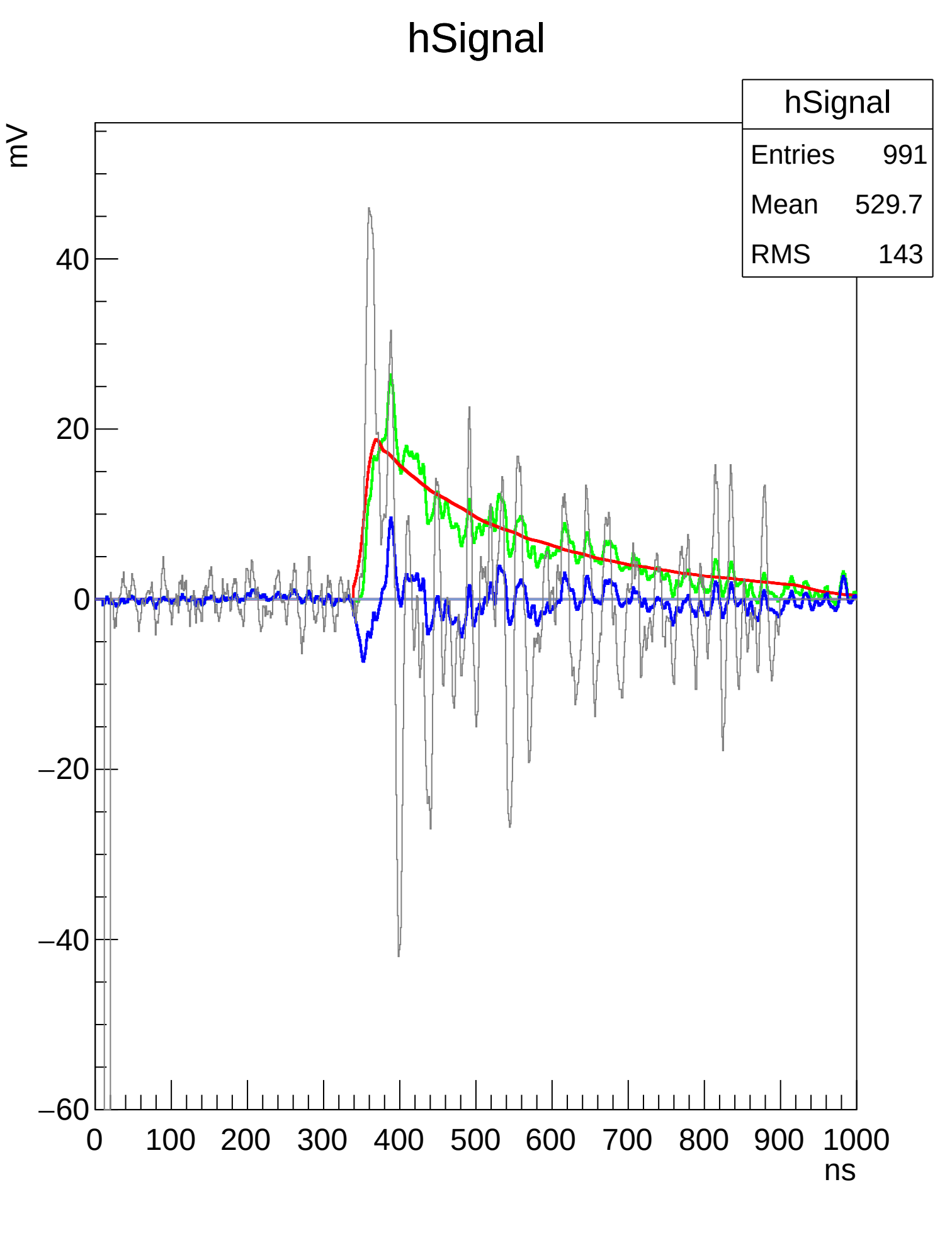
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 542.8
RMS 157.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.7
RMS 143
mV
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−20
−40
−60
0
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800
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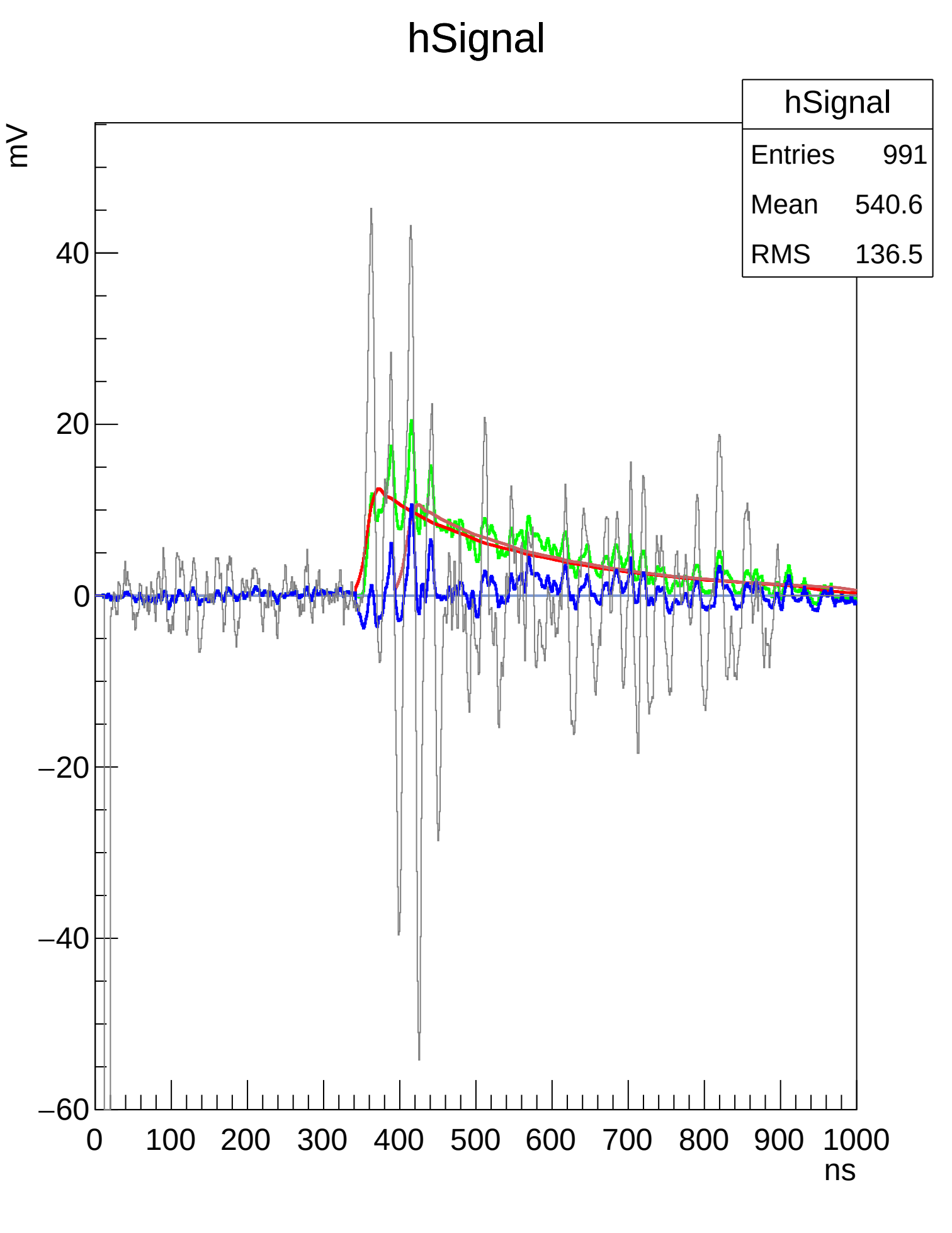
1000
ns


hSignal
hSignal
Entries 991
Mean 540.6
RMS 136.5
mV
40
20
0
−20
−40
−60
0
100
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700
800
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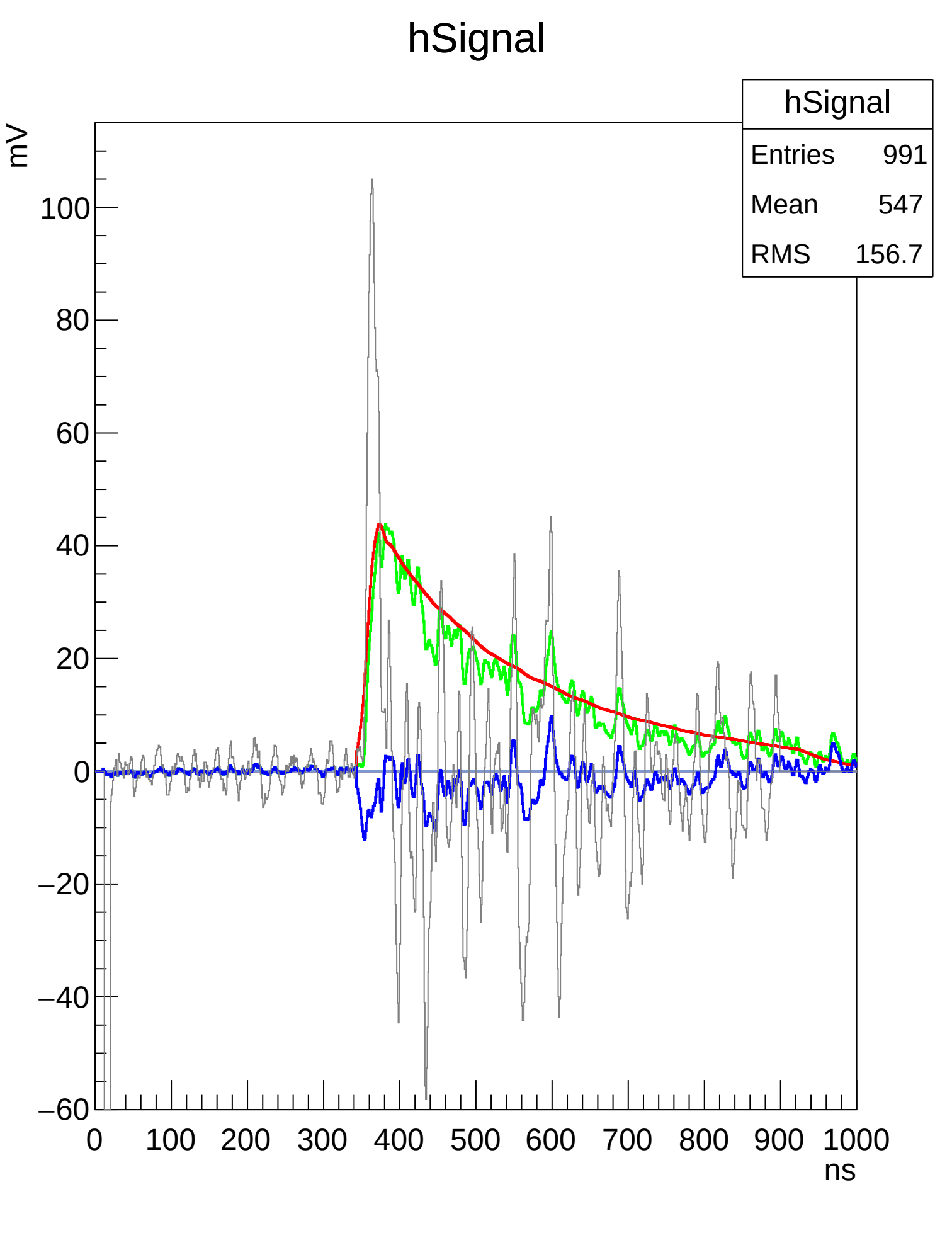
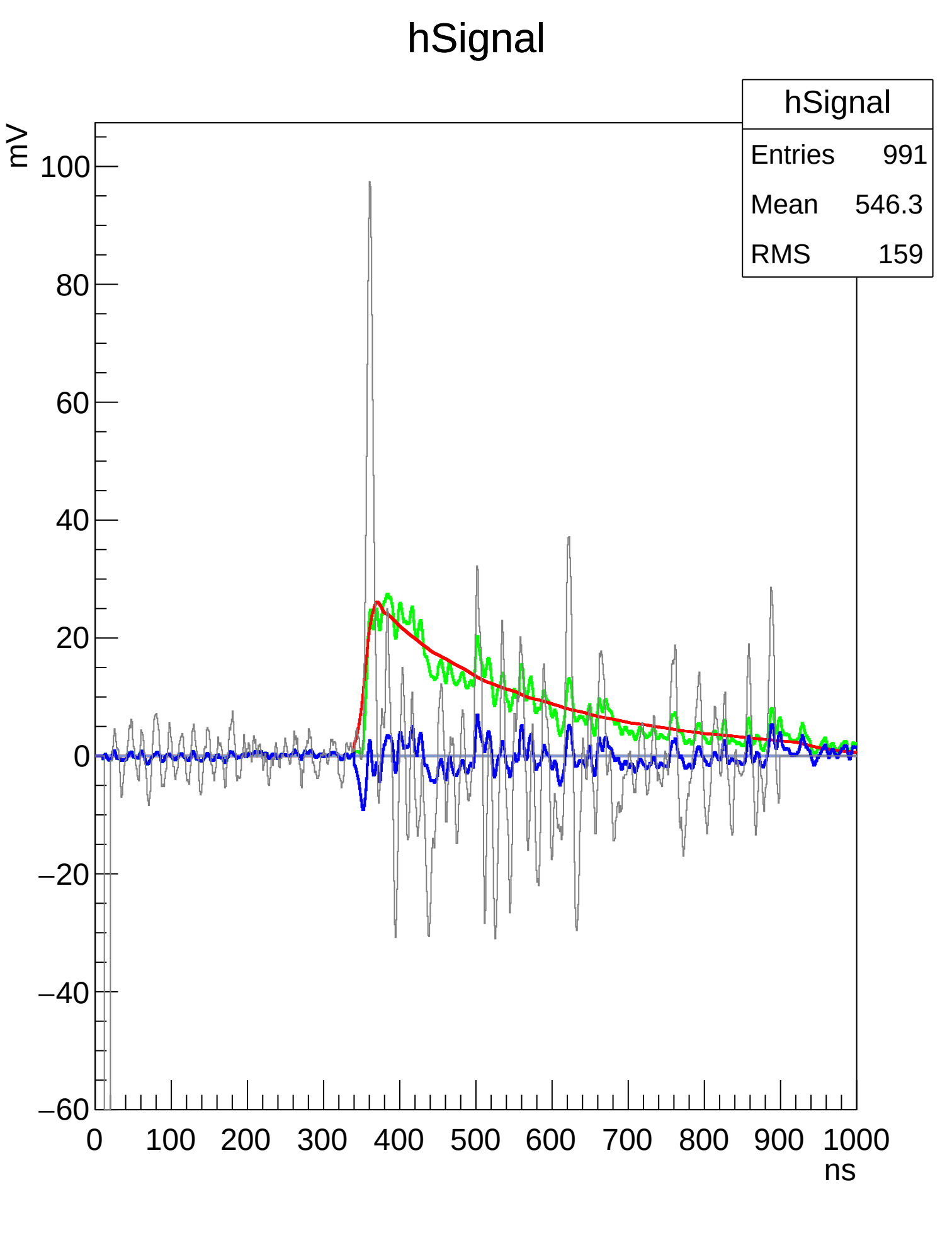
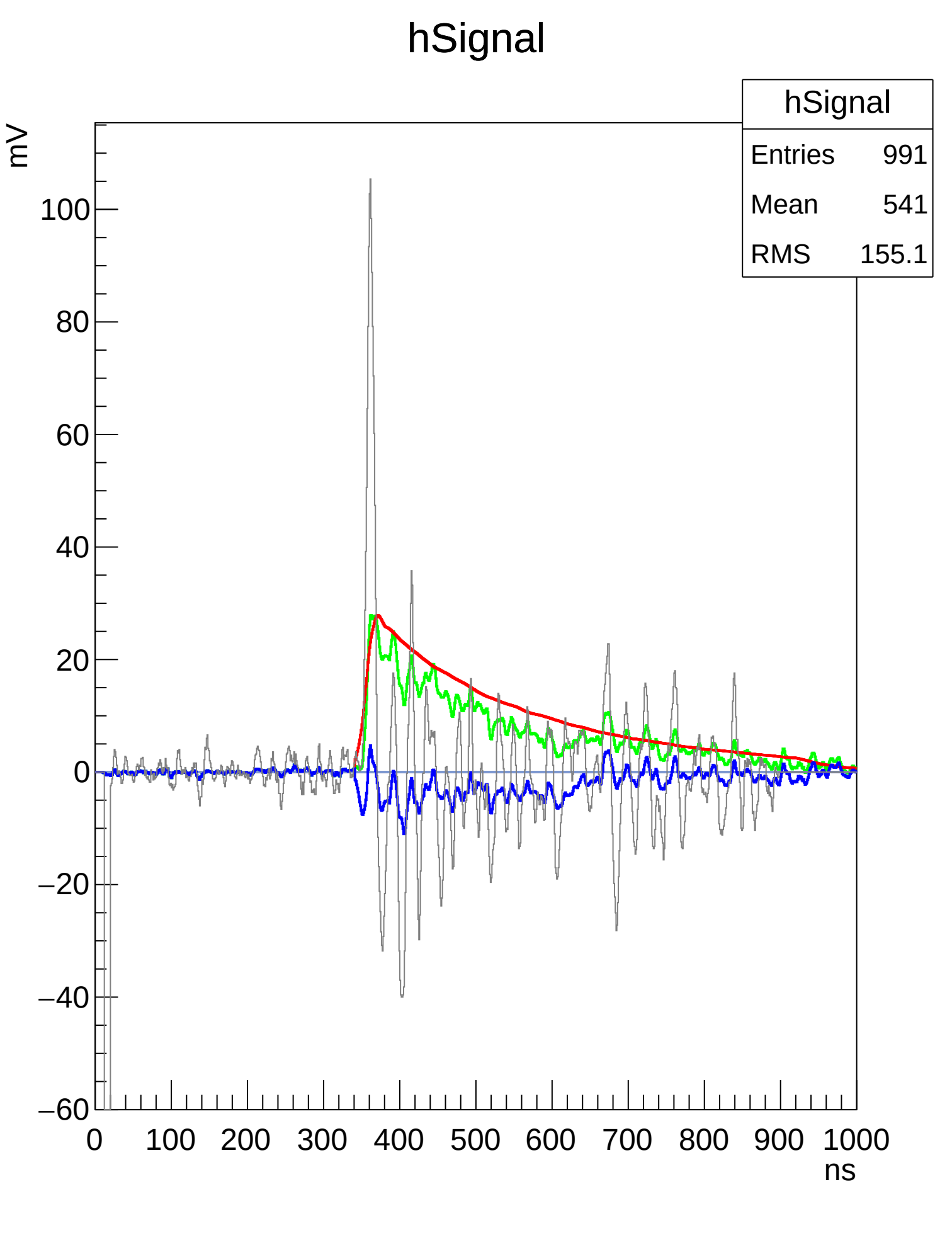
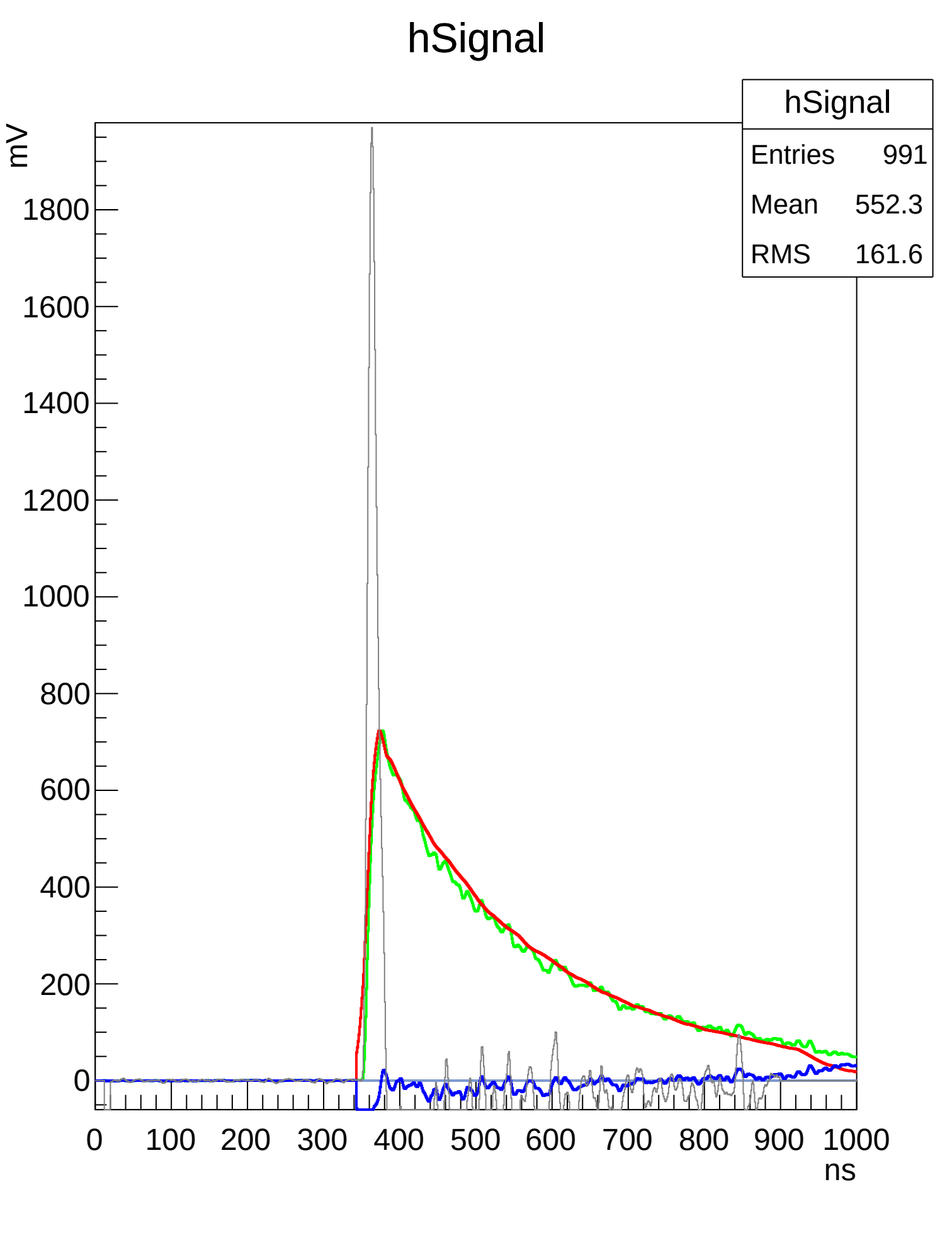
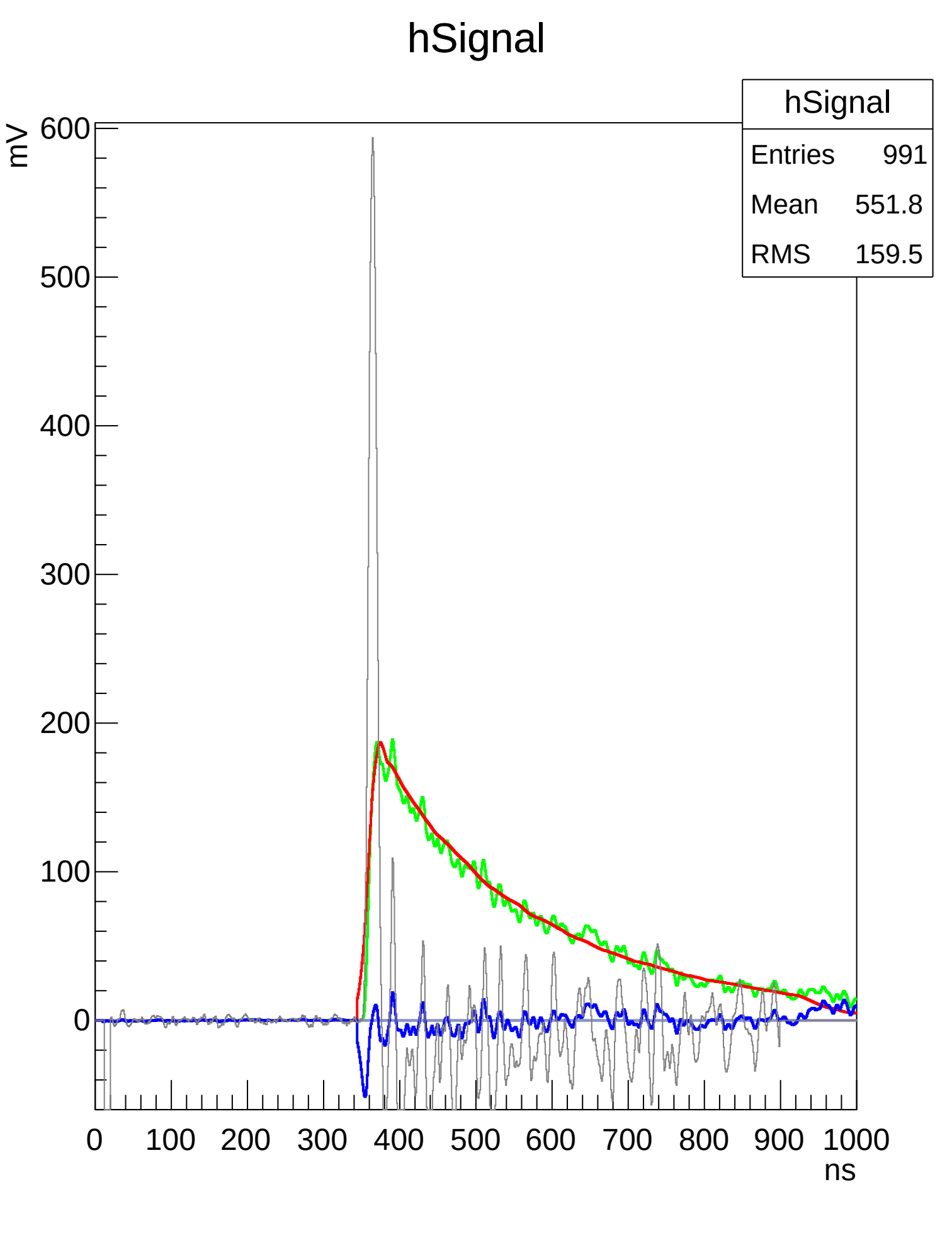
ns

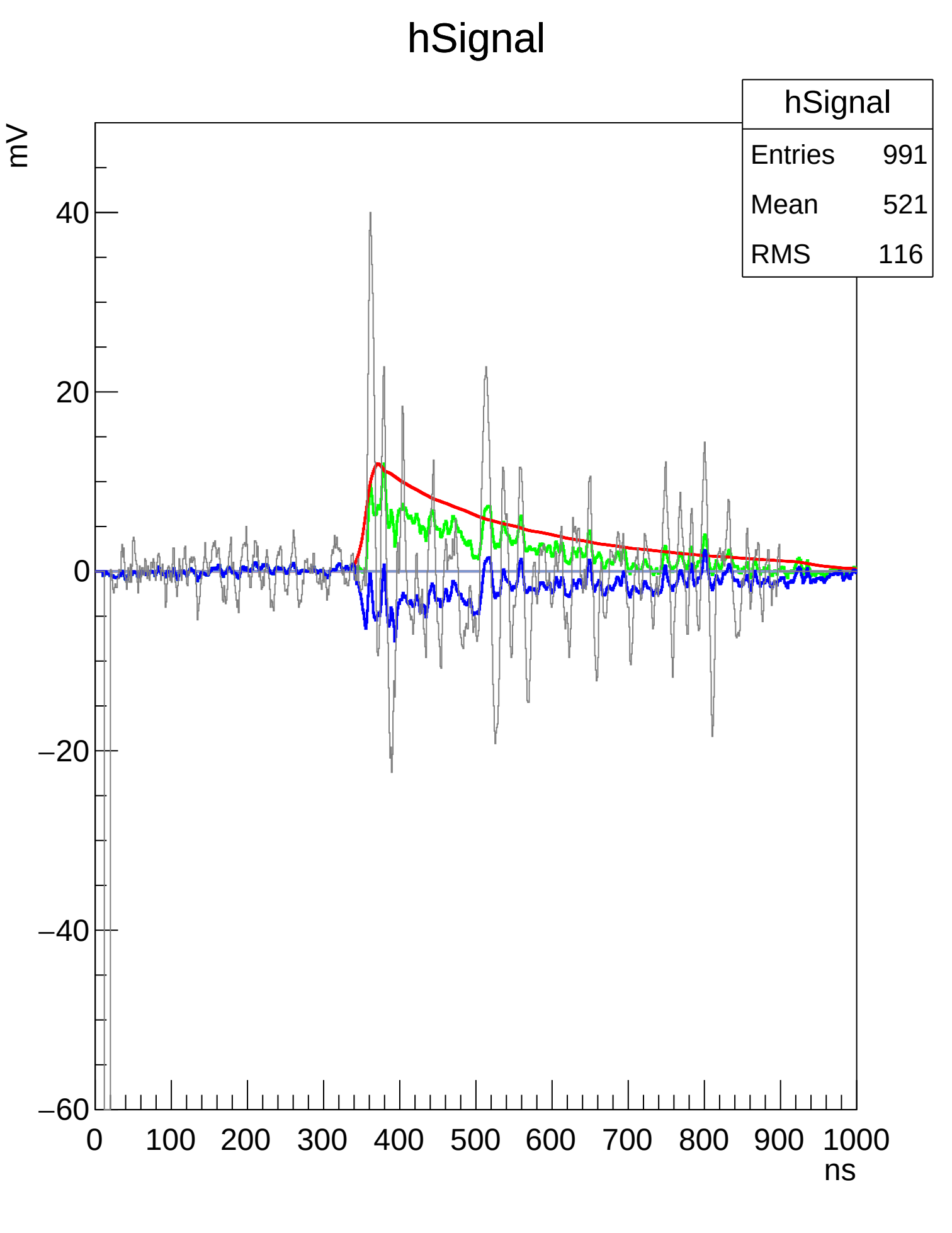

hSignal
hSignal
Entries 991
Mean 547
RMS 156.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.3
RMS 159
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541
RMS 155.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.3
RMS 161.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.8
RMS 159.5
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521
RMS 116
mV
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800
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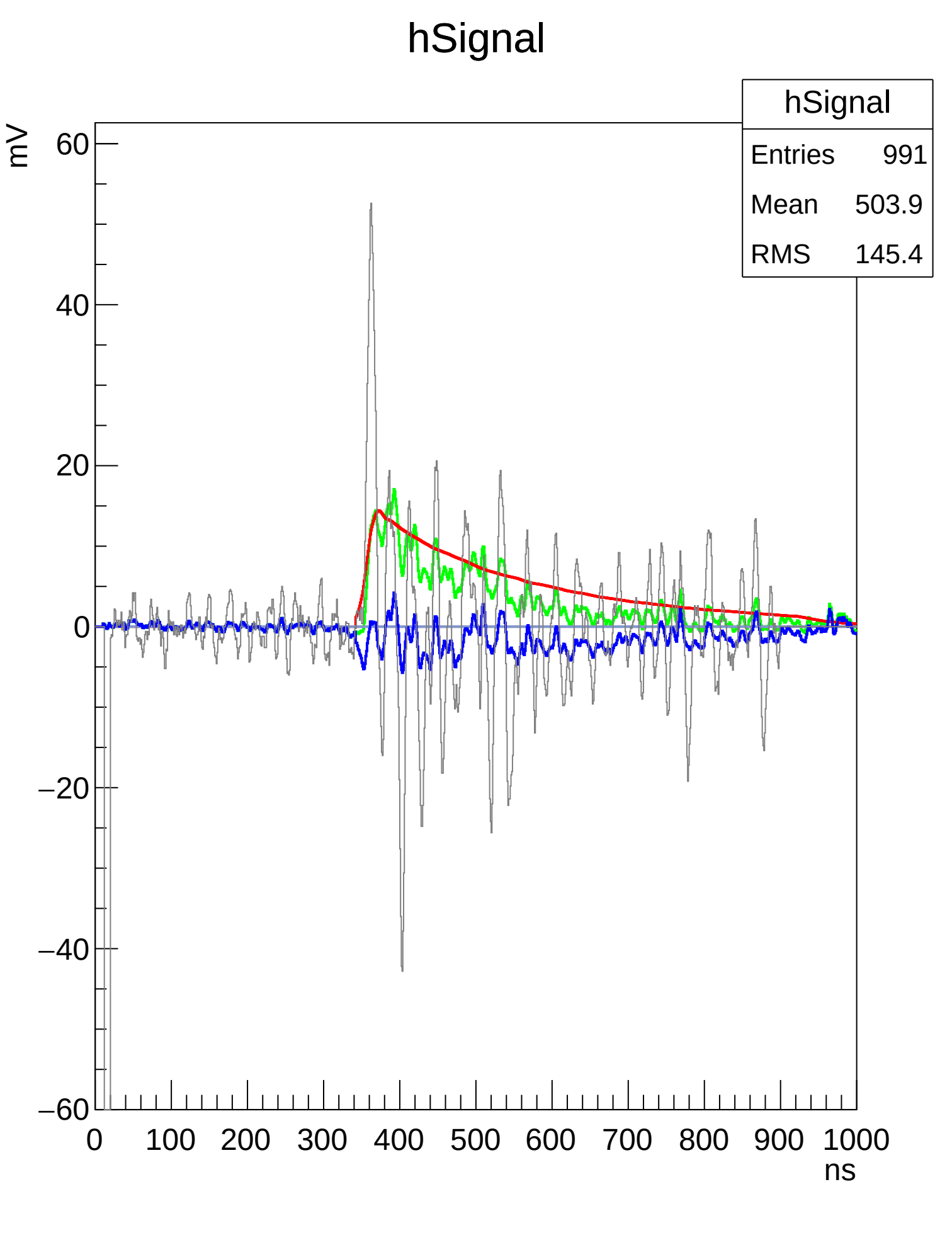
1000
ns


hSignal
hSignal
Entries 991
Mean 503.9
RMS 145.4
mV
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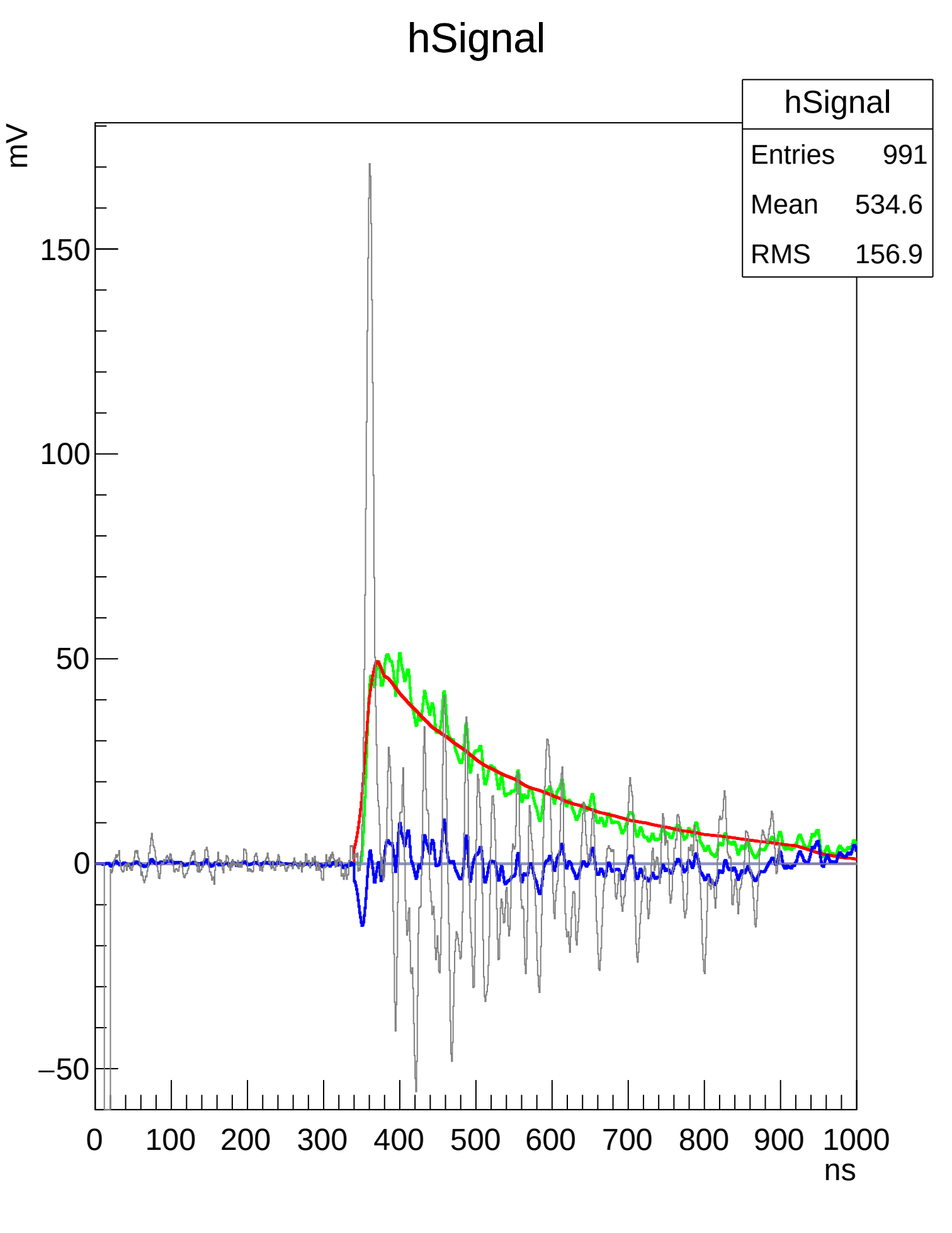
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.6
RMS 156.9
mV
150
100
50
0
−50
0
100
200
300
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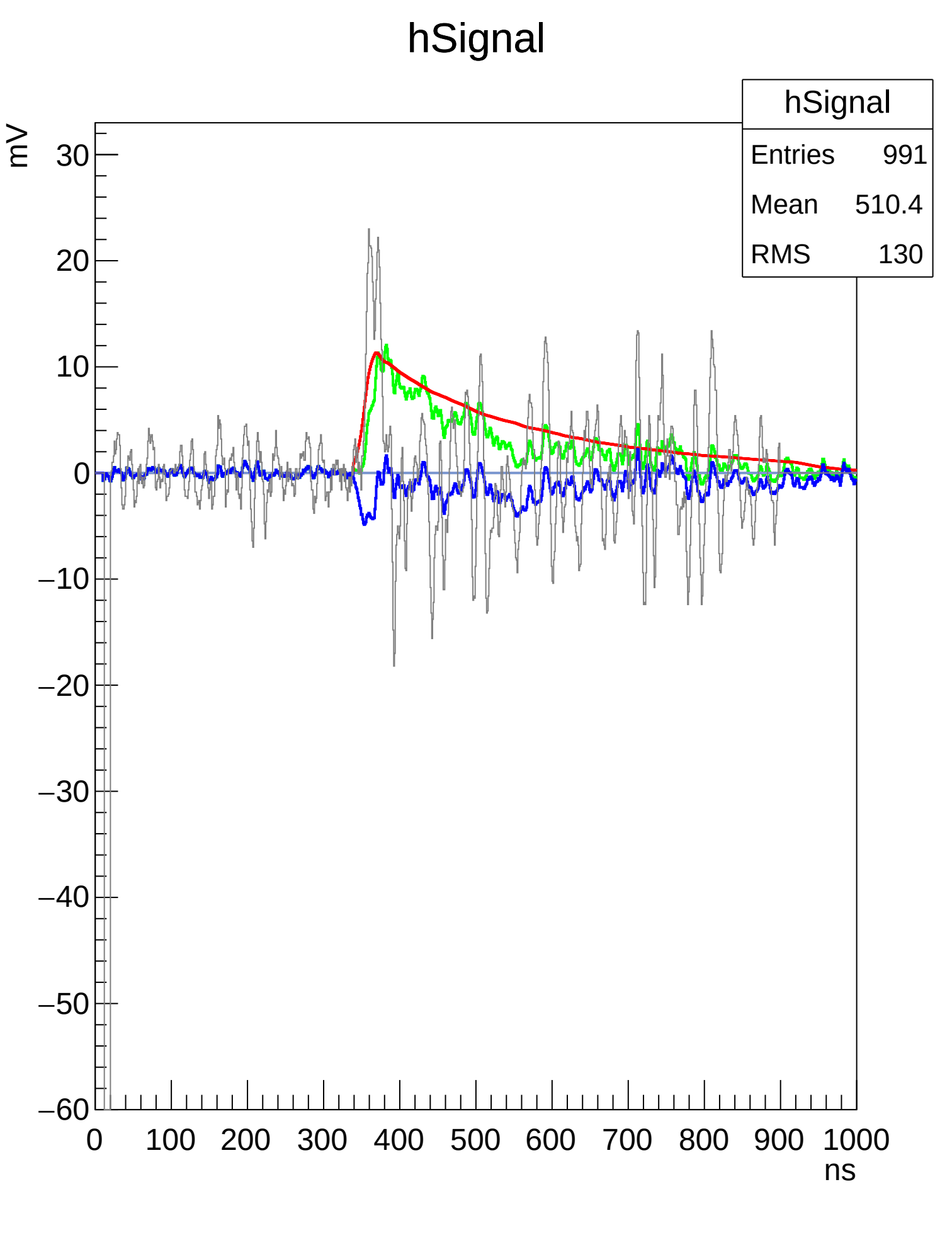
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.4
RMS 130
mV
30
20
10
0
−10
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−40
−50
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0
100
200
300
400
500
600
700
800
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1000
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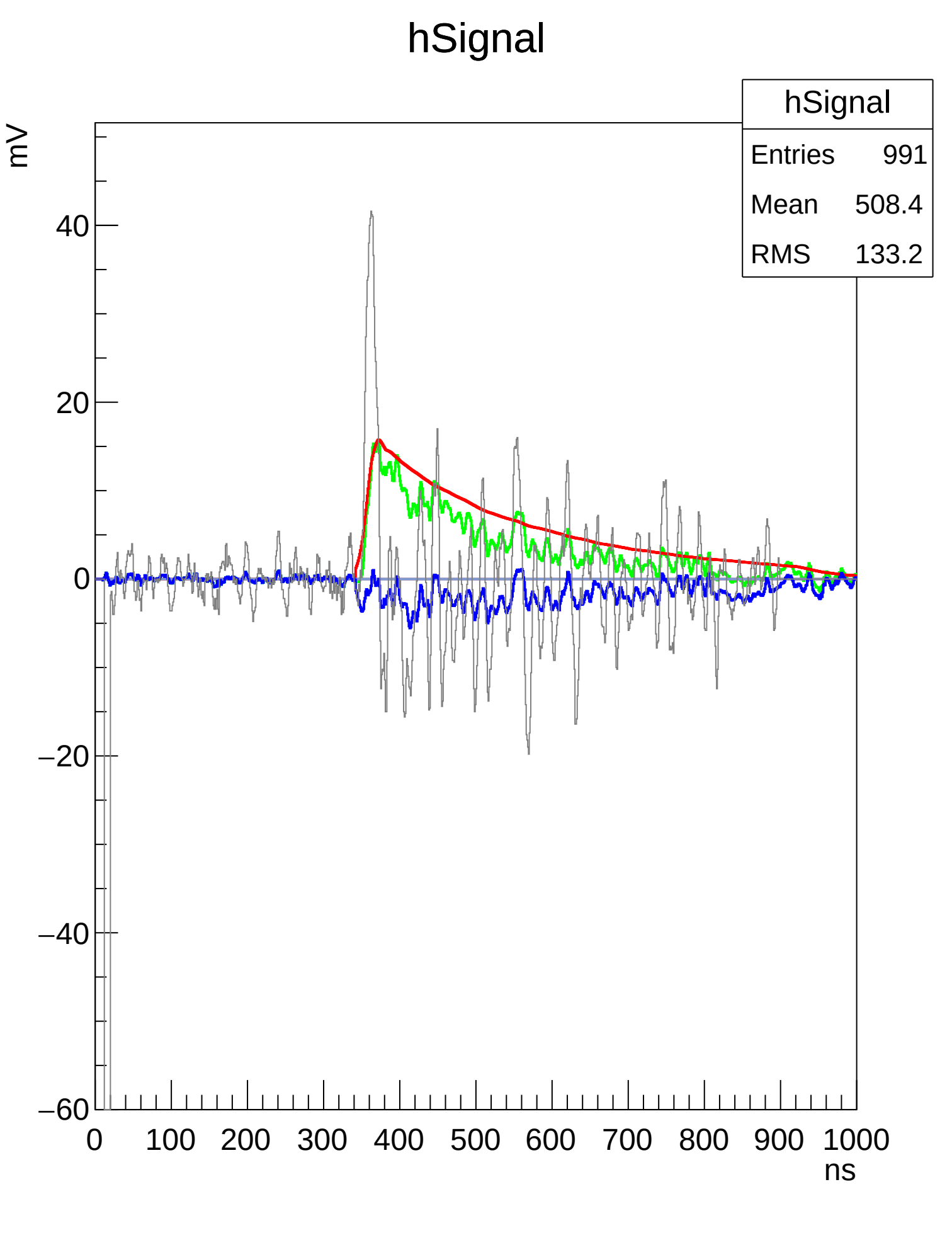
hSignal
hSignal
Entries 991
Mean 508.4
RMS 133.2
mV
40
20
0
−20
−40
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0
100
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600
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800
900
1000
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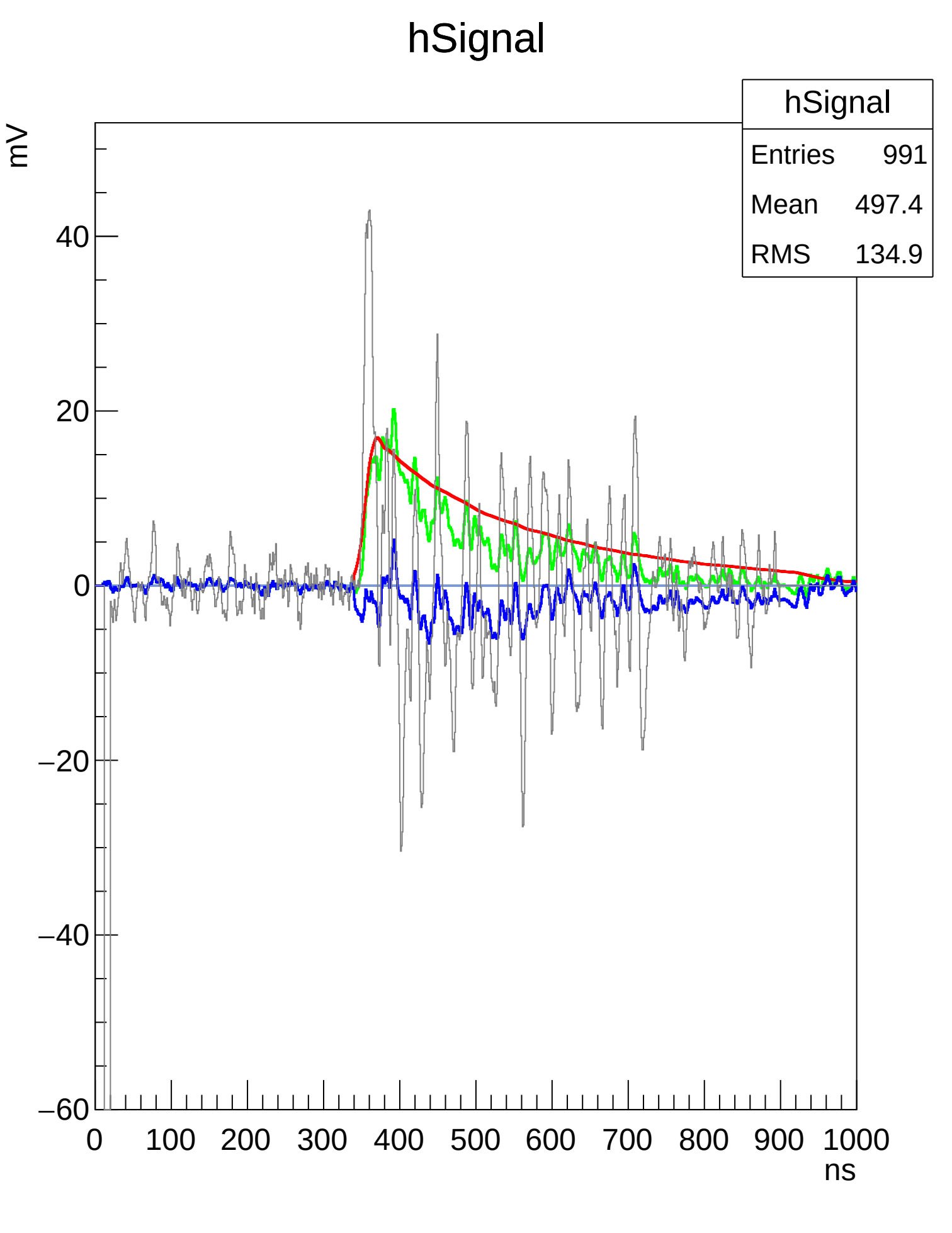
hSignal
hSignal
Entries 991
Mean 497.4
RMS 134.9
mV
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−20
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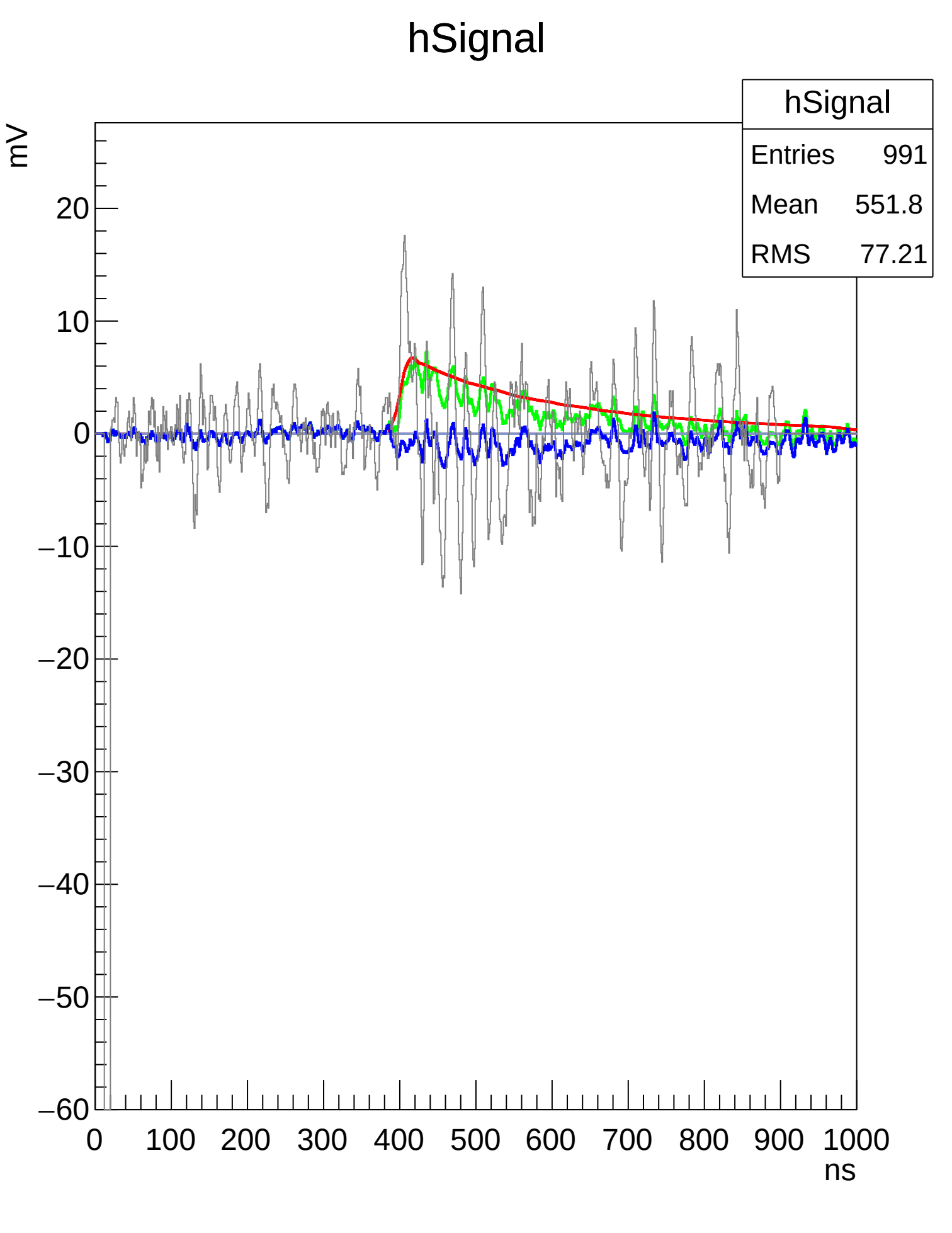
hSignal
hSignal
Entries 991
Mean 551.8
RMS 77.21
mV
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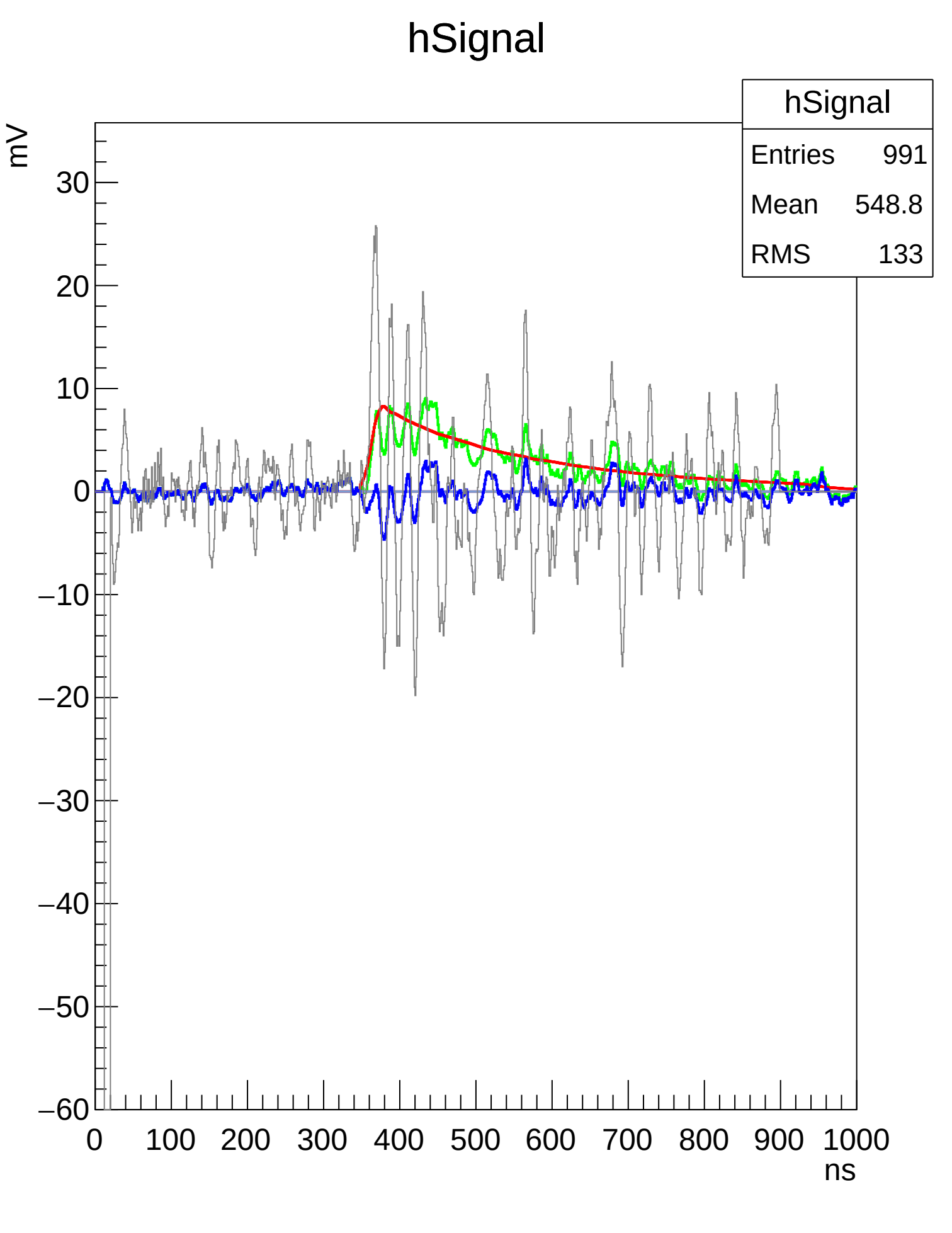
hSignal
hSignal
Entries 991
Mean 548.8
RMS 133
mV
30
20
10
0
−10
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−40
−50
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0
100
200
300
400
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1000
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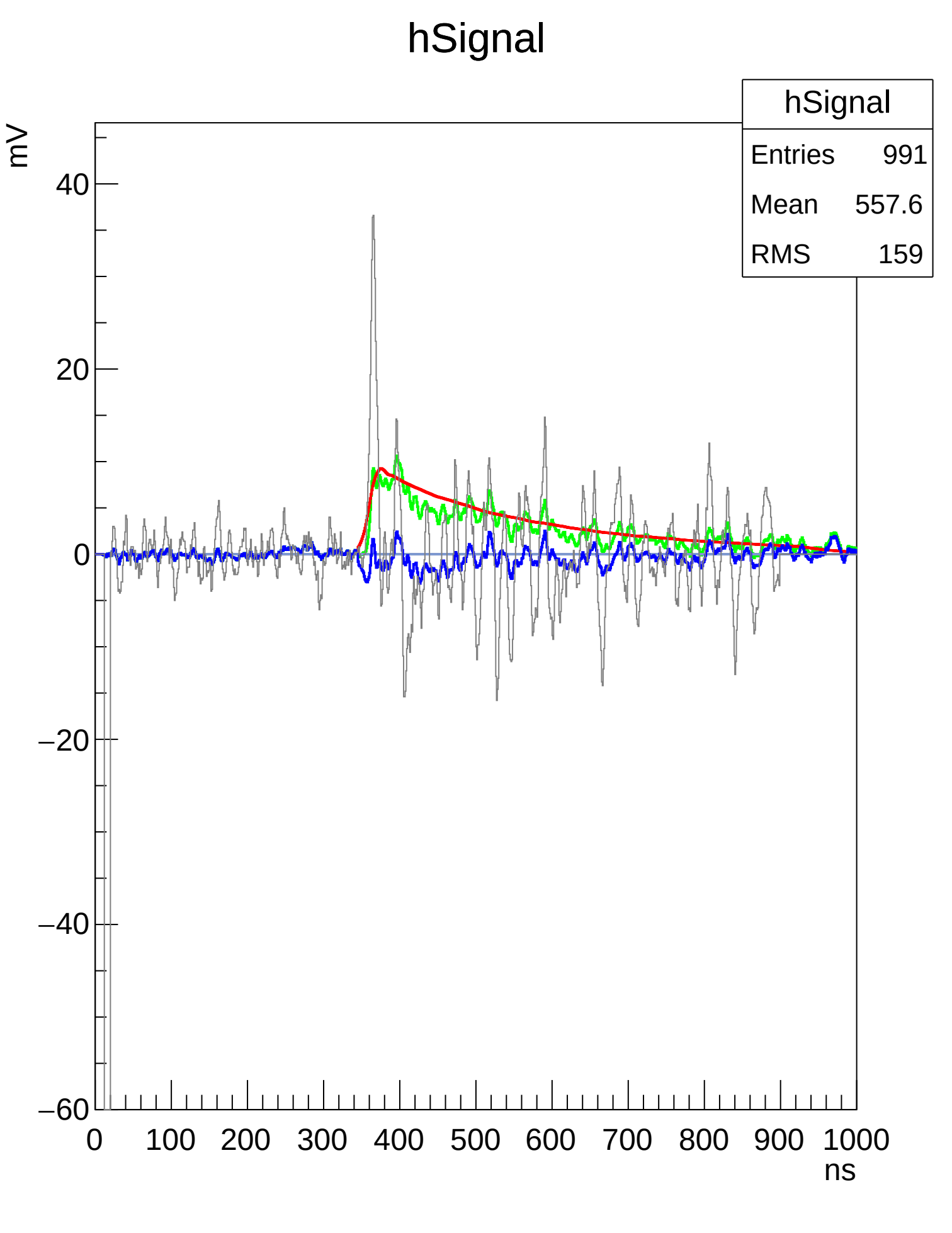
hSignal
hSignal
Entries 991
Mean 557.6
RMS 159
mV
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−20
−40
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0
100
200
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1000
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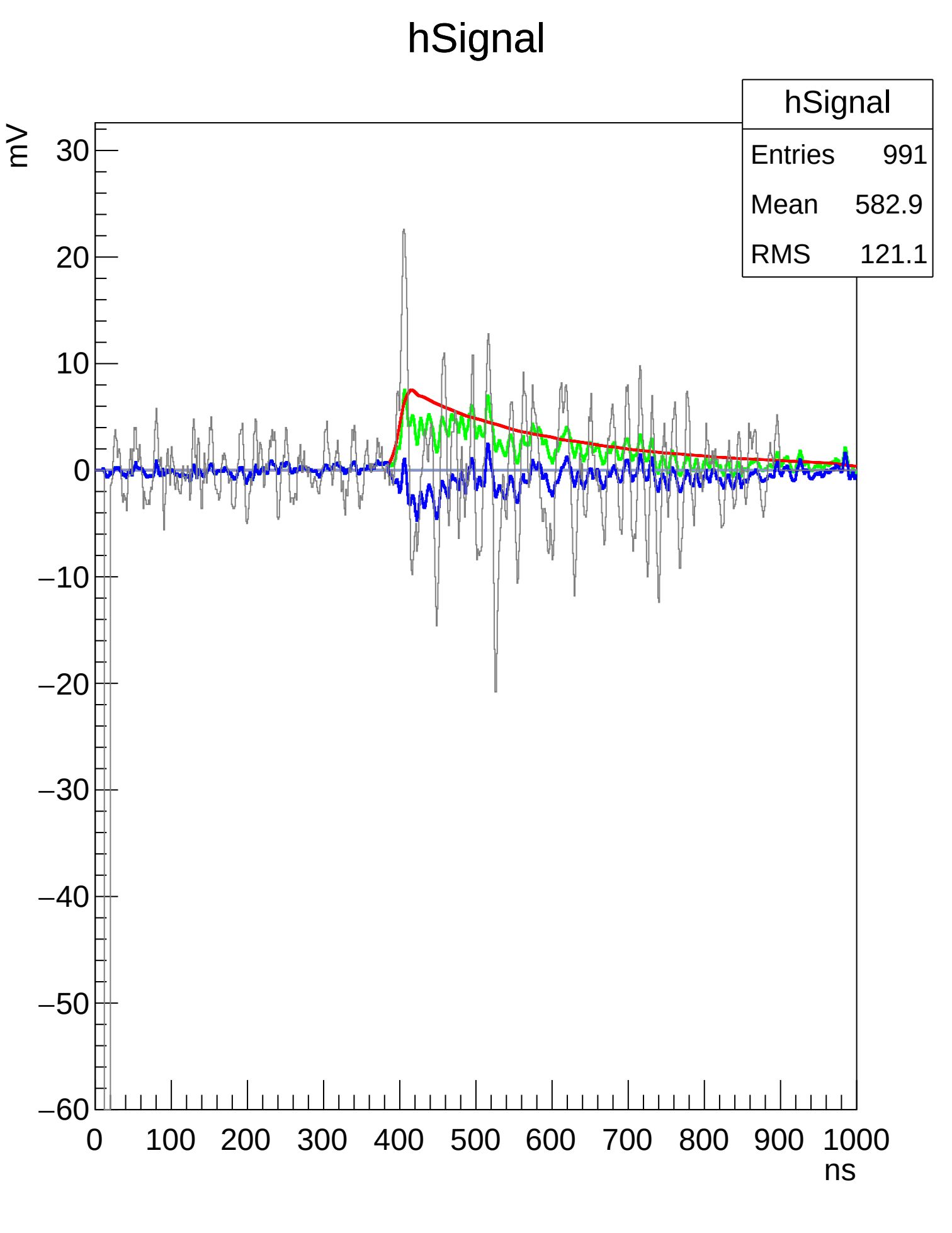
hSignal
hSignal
Entries 991
Mean 582.9
RMS 121.1
mV
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10
0
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−50
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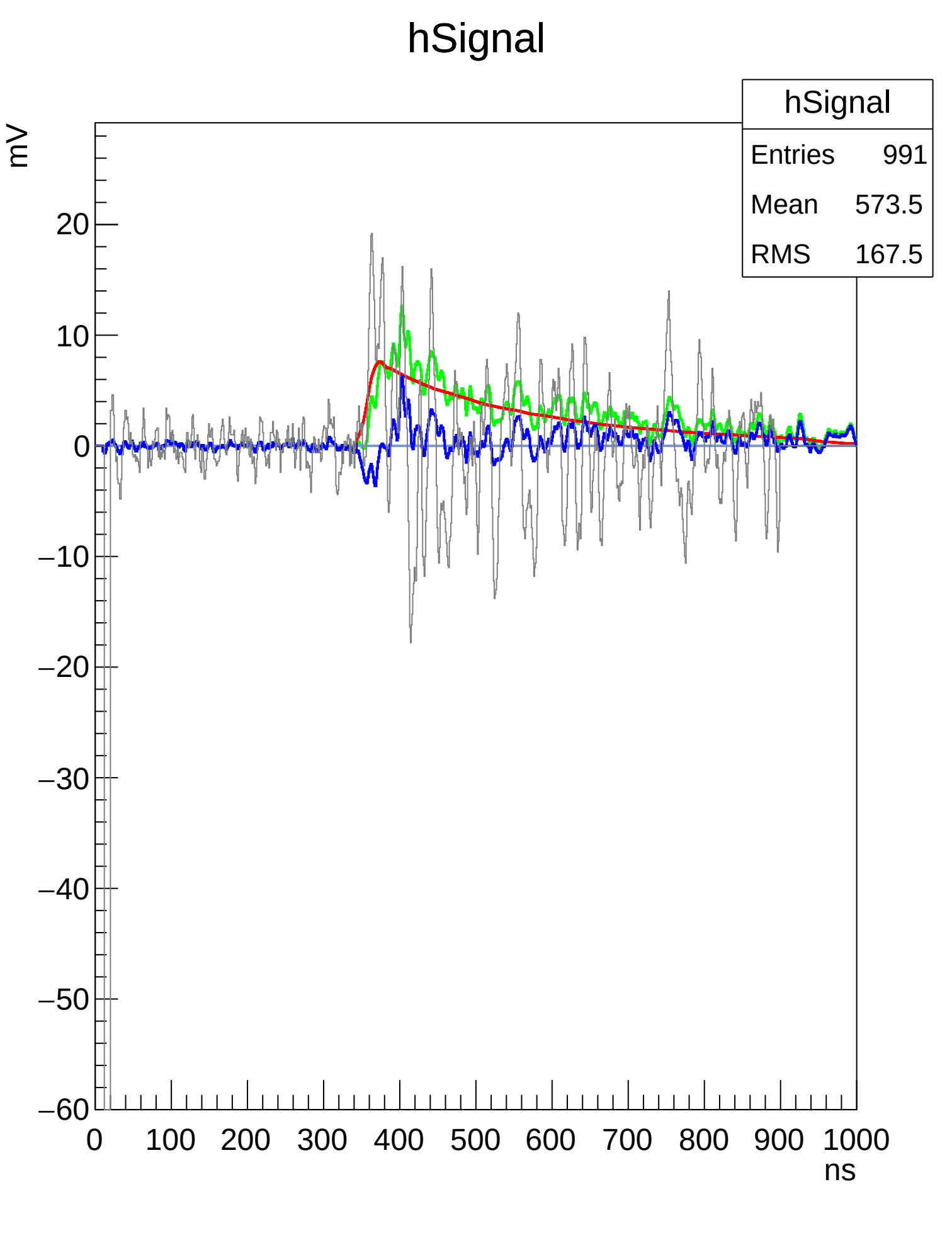
hSignal
hSignal
Entries 991
Mean 573.5
RMS 167.5
mV
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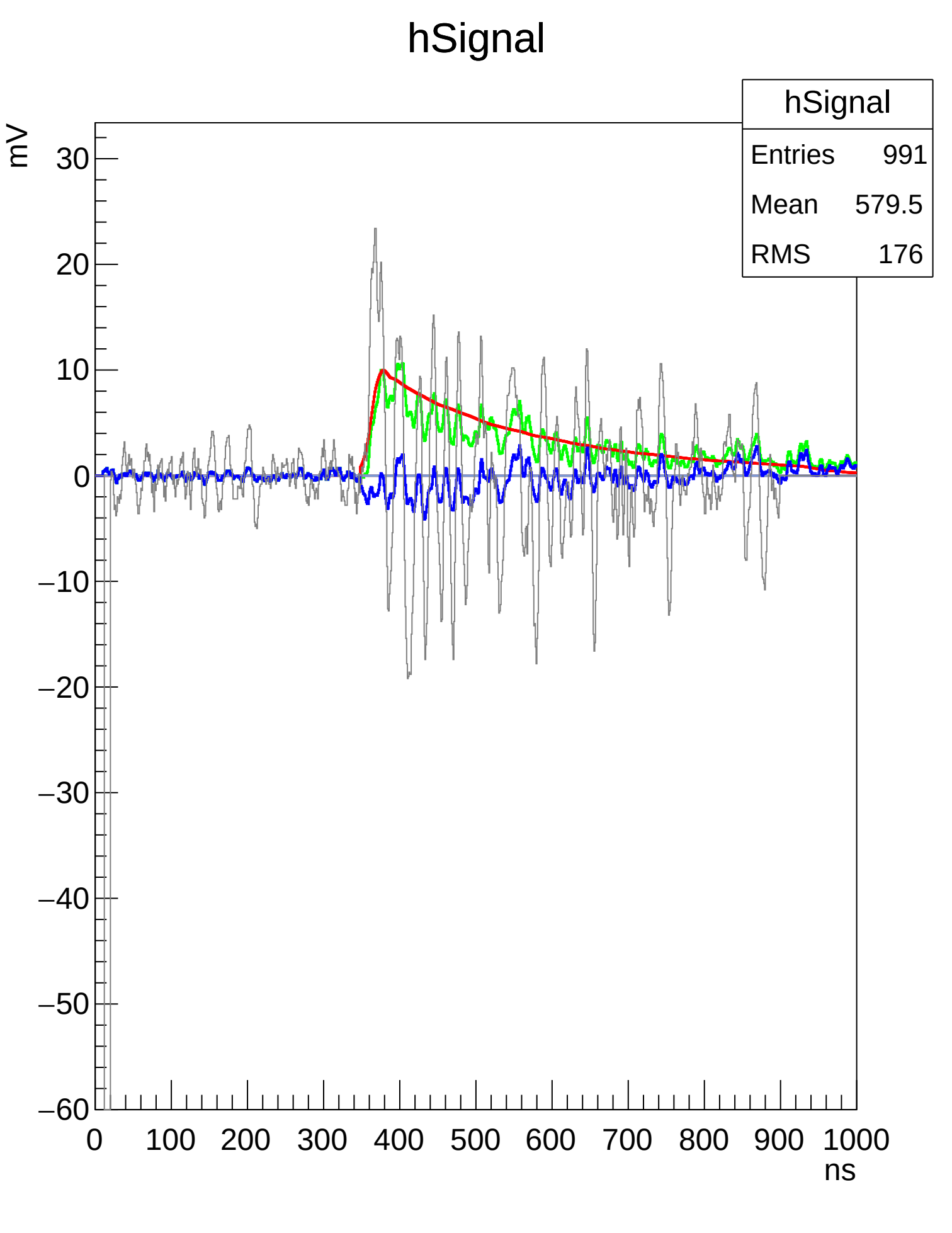
hSignal
hSignal
Entries 991
Mean 579.5
RMS 176
mV
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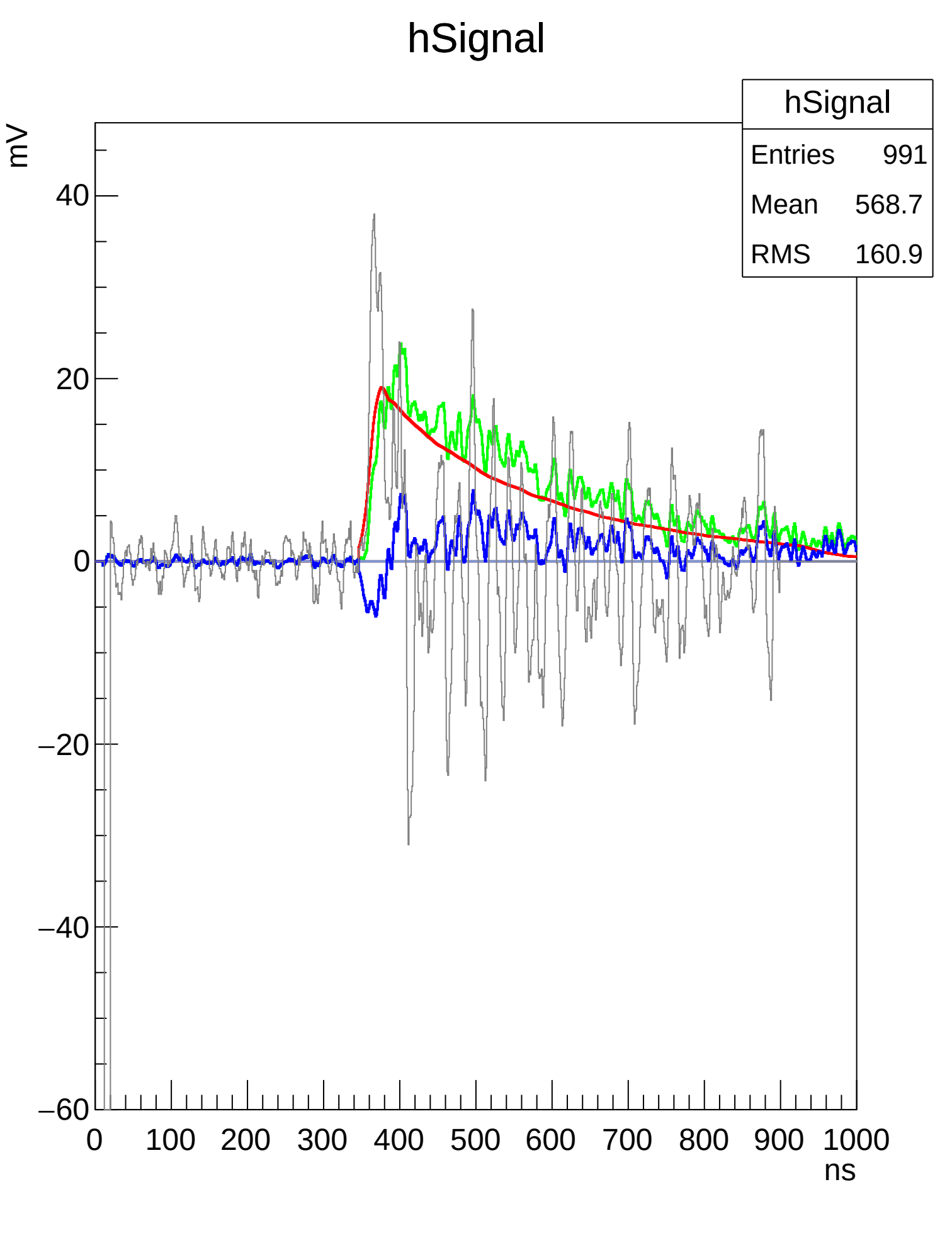
hSignal
hSignal
Entries 991
Mean 568.7
RMS 160.9
mV
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−20
−40
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0
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600
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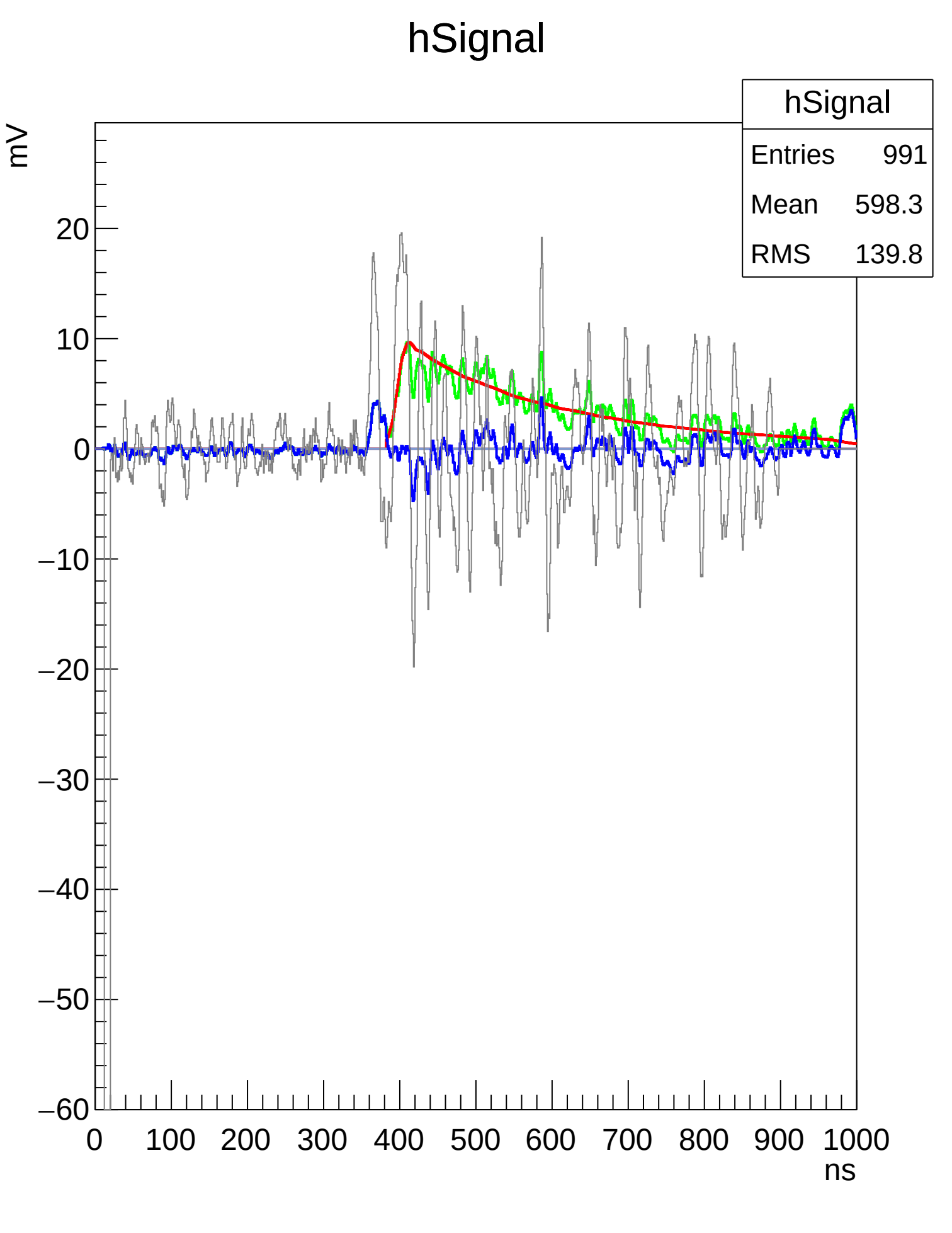
hSignal
hSignal
Entries 991
Mean 598.3
RMS 139.8
mV
20
10
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0
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400
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800
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1000
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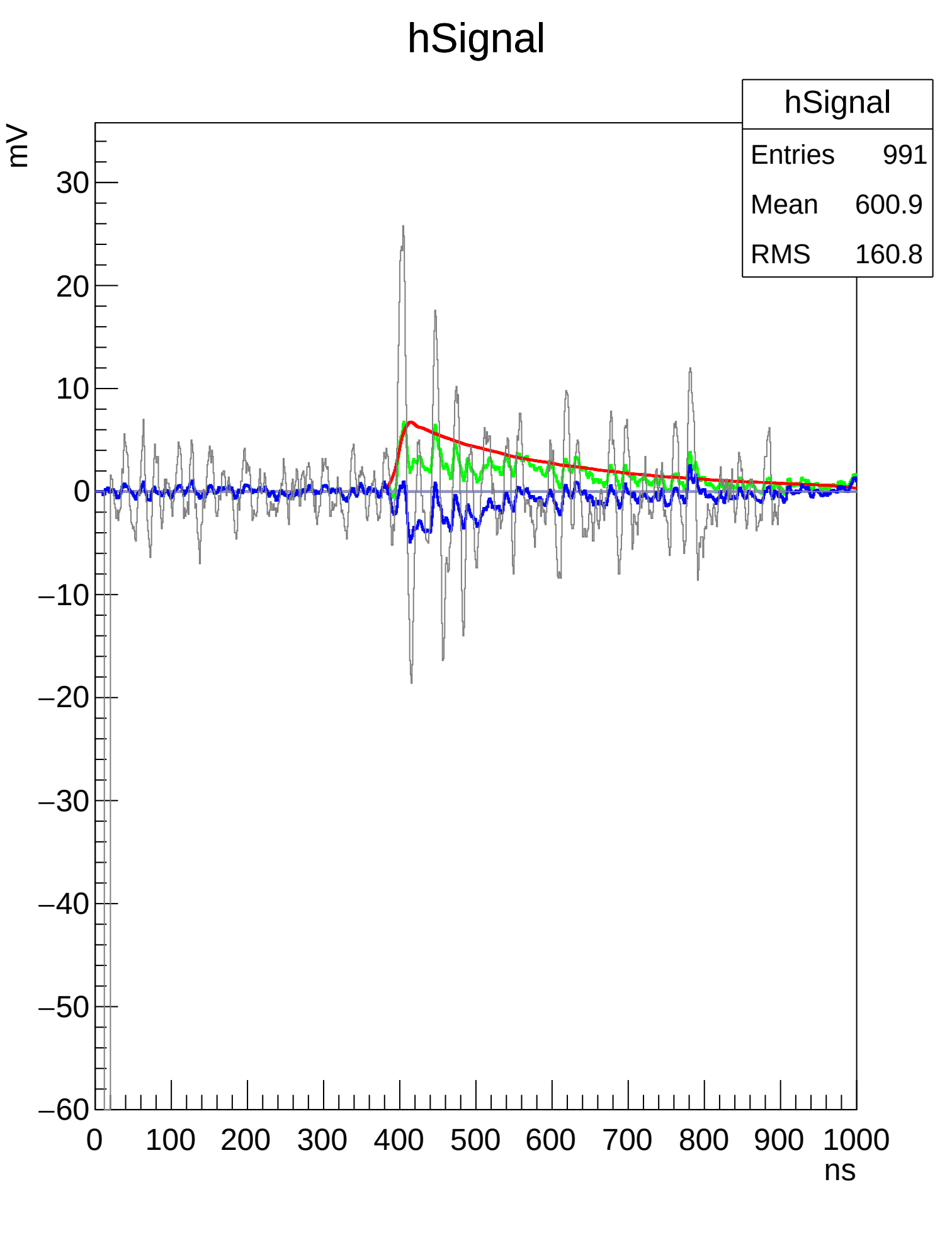
hSignal
hSignal
Entries 991
Mean 600.9
RMS 160.8
mV
30
20
10
0
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−50
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0
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1000
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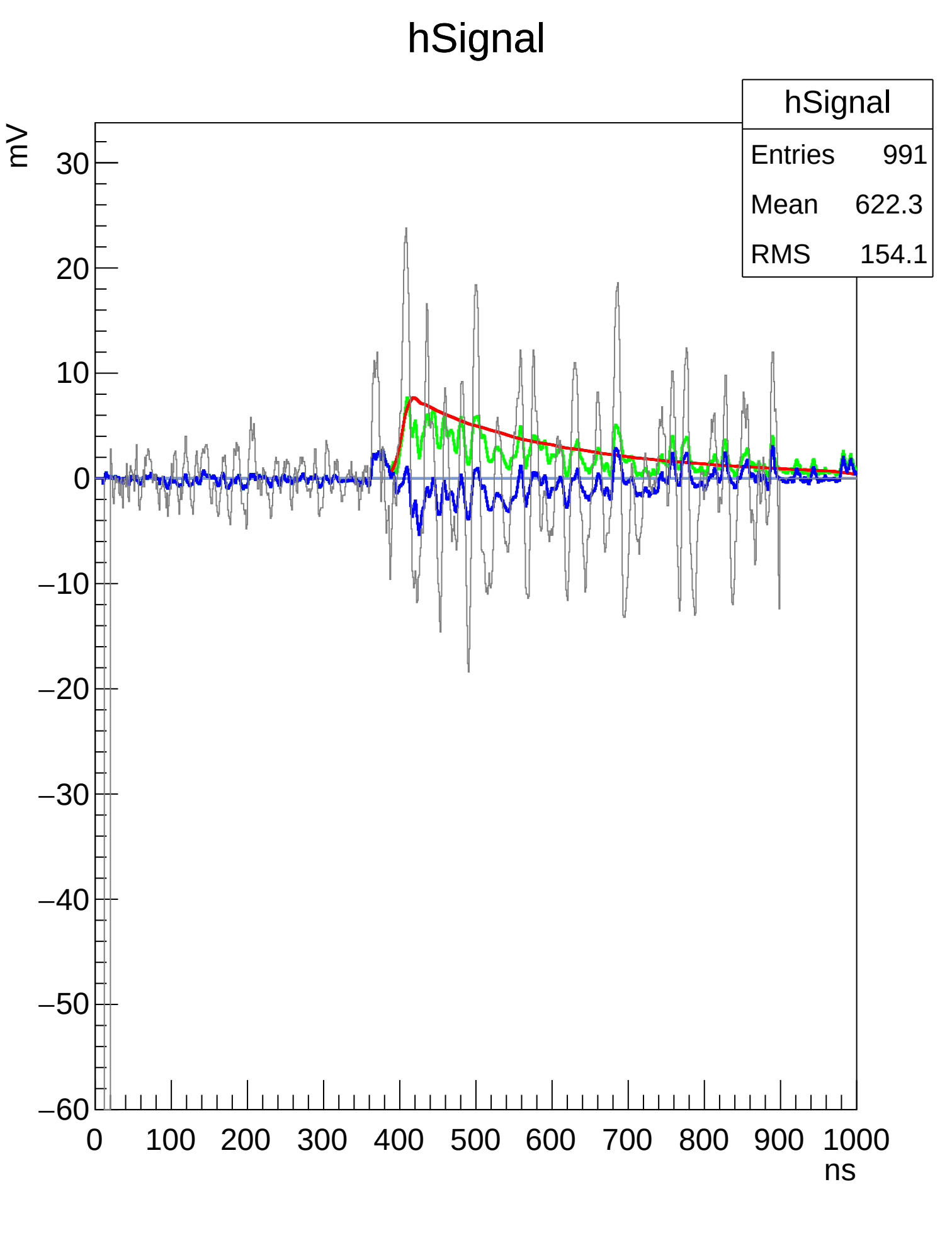
hSignal
hSignal
Entries 991
Mean 622.3
RMS 154.1
mV
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20
10
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1000
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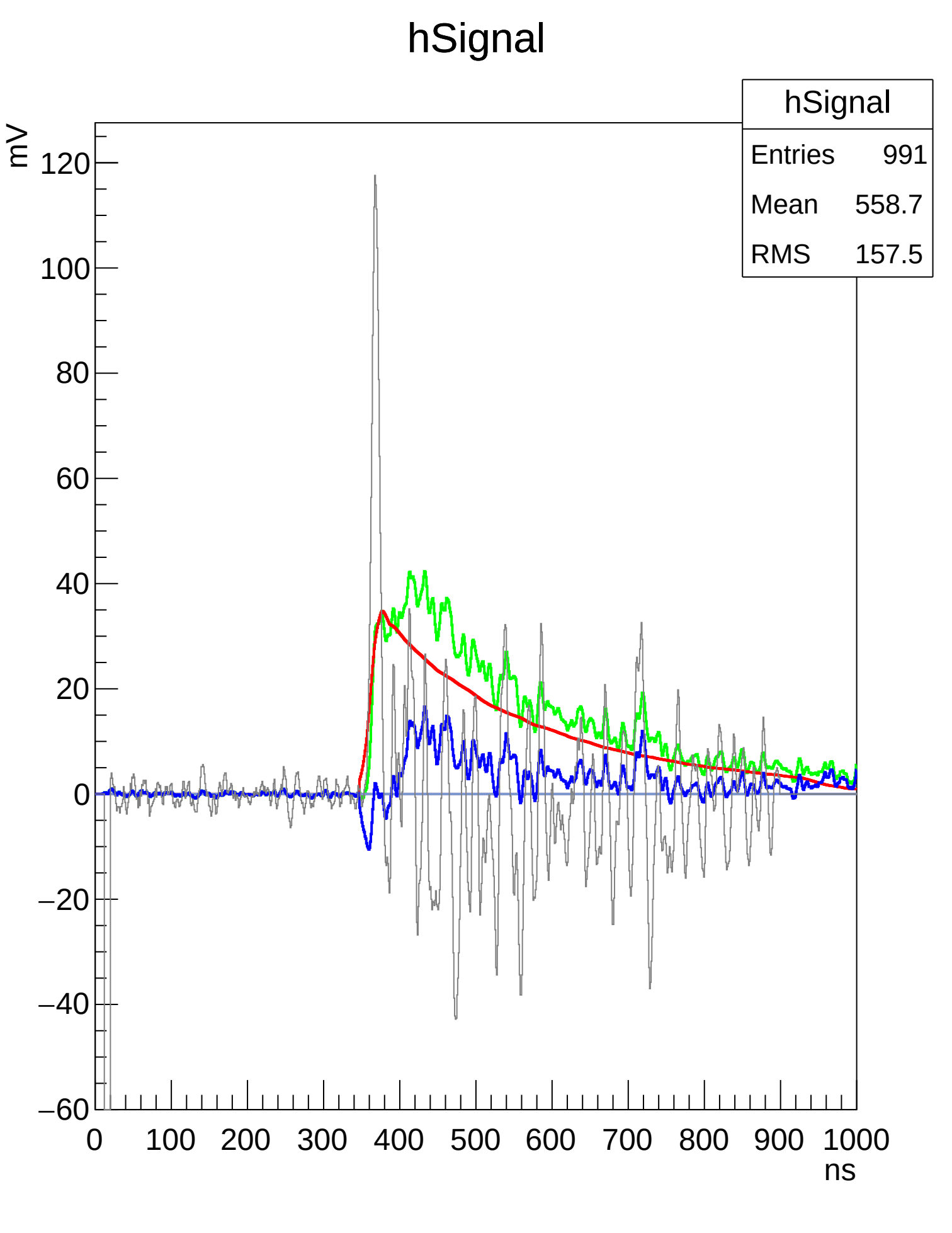
hSignal
hSignal
Entries 991
Mean 558.7
RMS 157.5
mV
120
100
80
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40
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800
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1000
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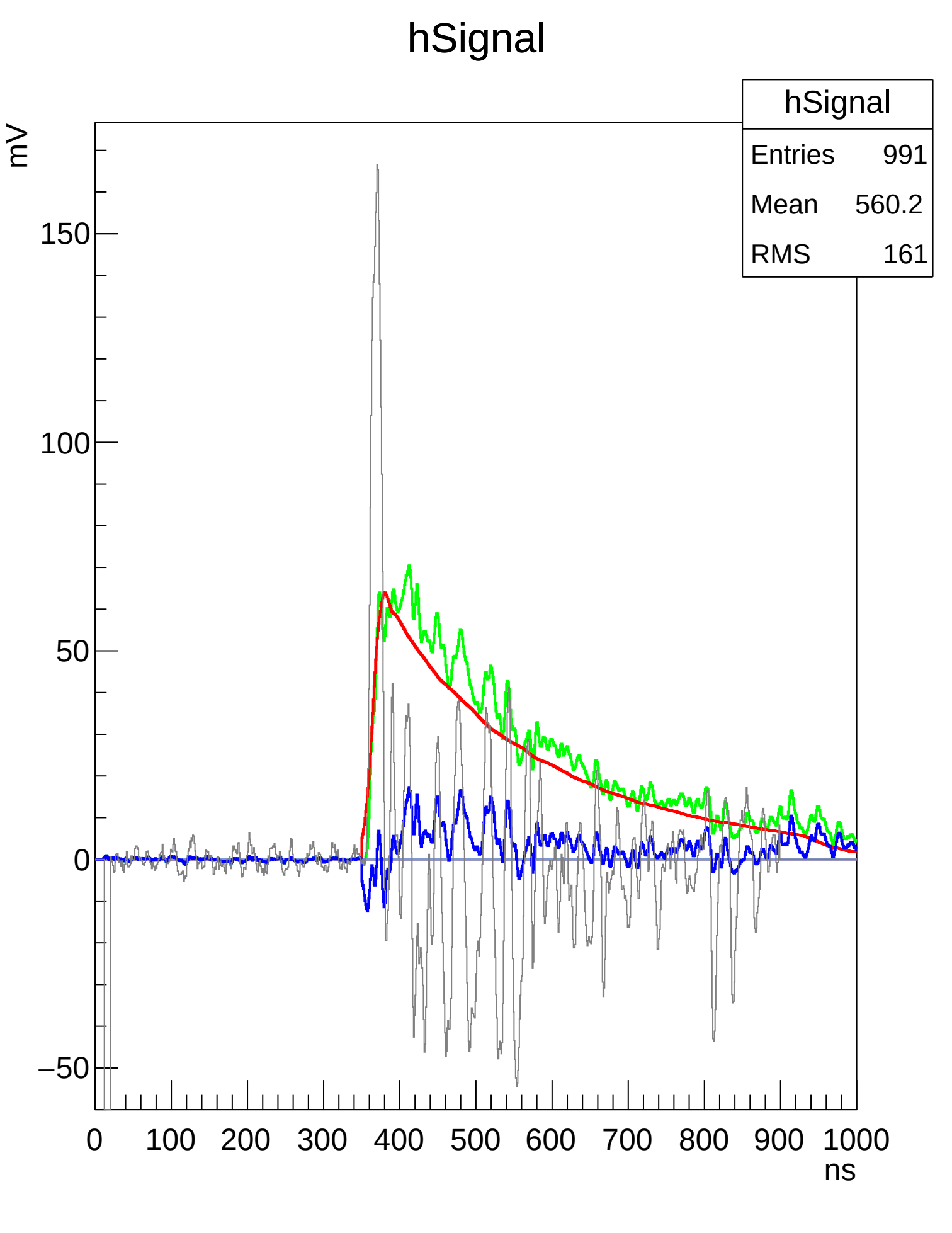
hSignal
hSignal
Entries 991
Mean 560.2
RMS 161
mV
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100
50
0
−50
0
100
200
300
400
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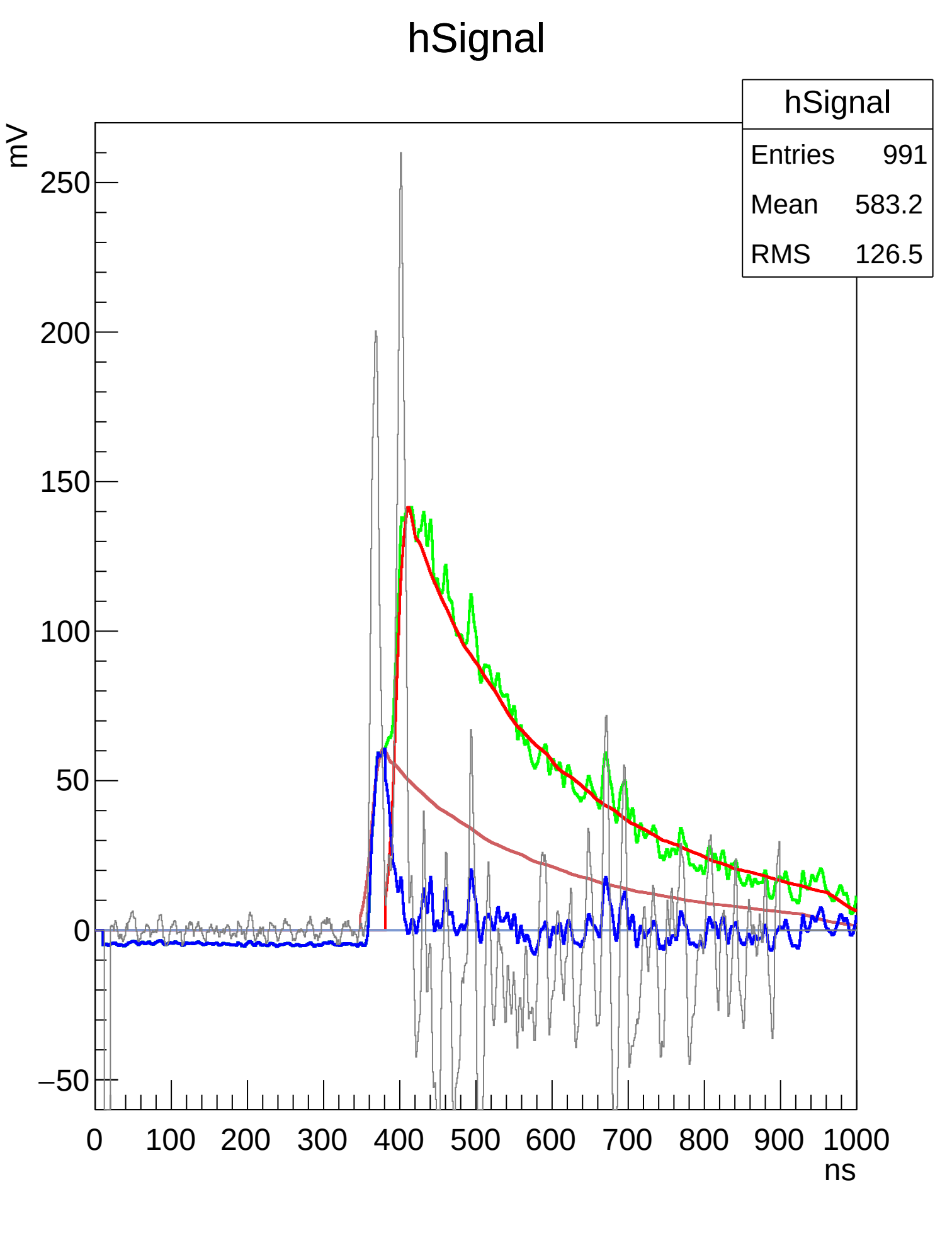
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.2
RMS 126.5
mV
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100
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0
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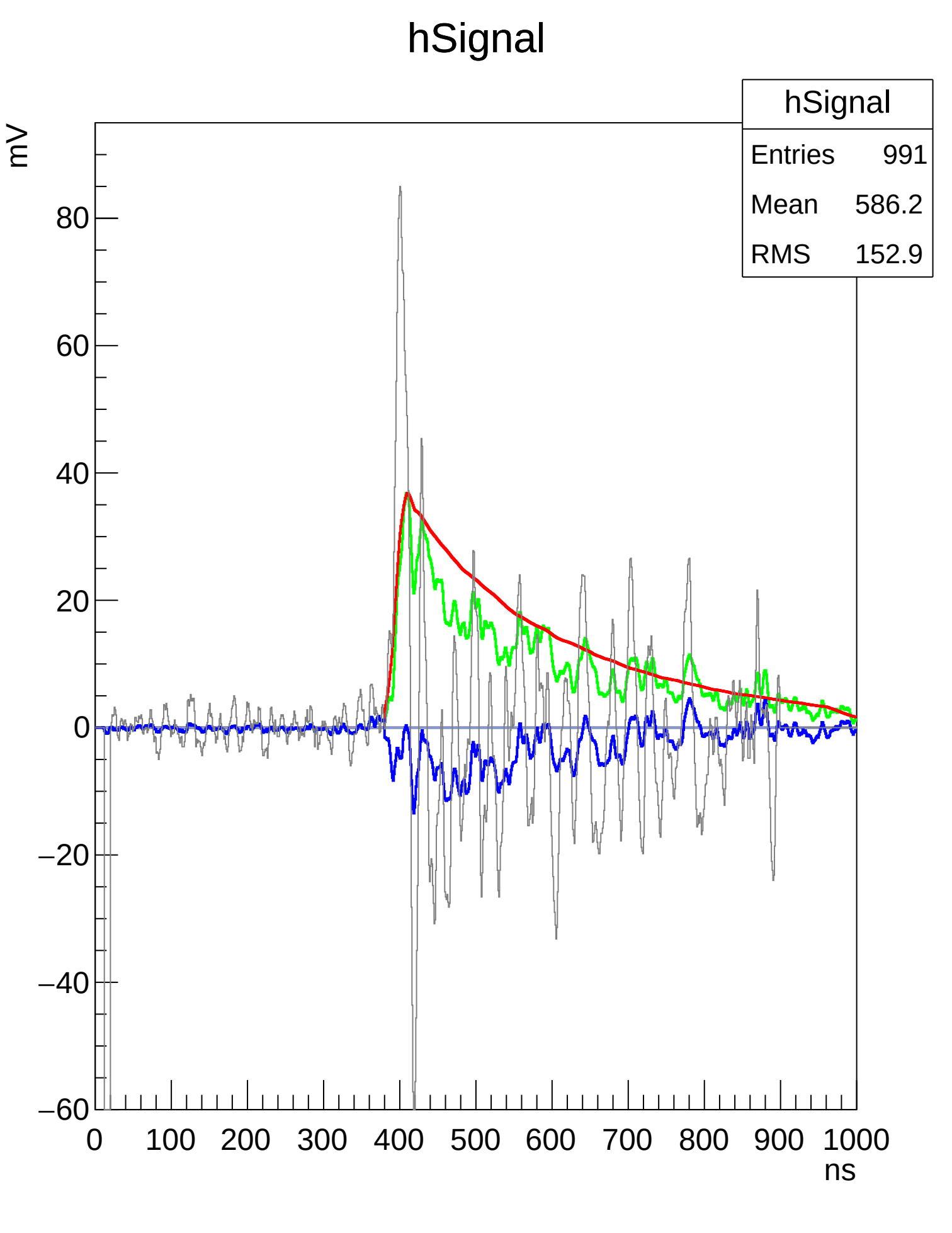
1000
ns


hSignal
hSignal
Entries 991
Mean 586.2
RMS 152.9
mV
80
60
40
20
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−20
−40
−60
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600
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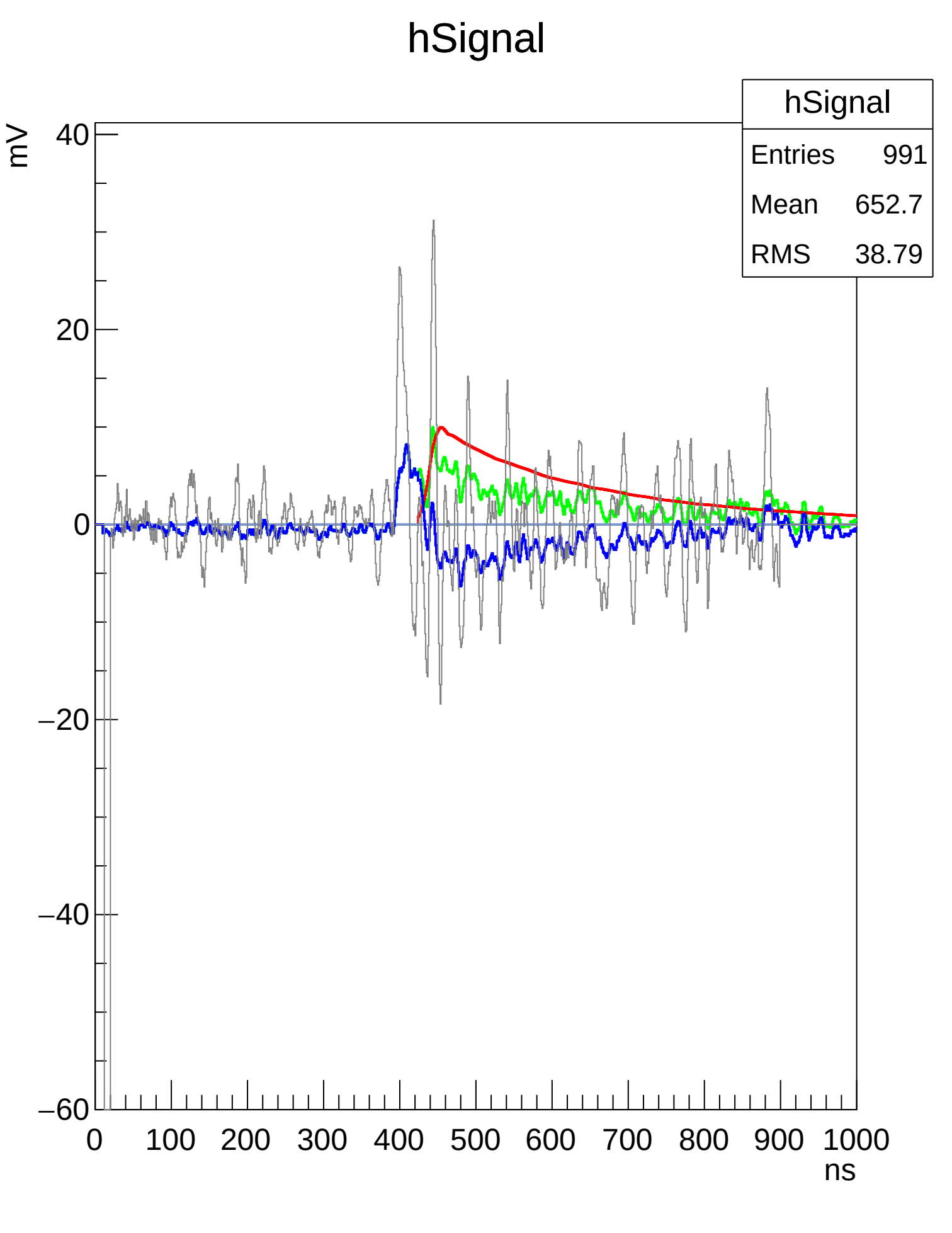
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 652.7
RMS 38.79
mV
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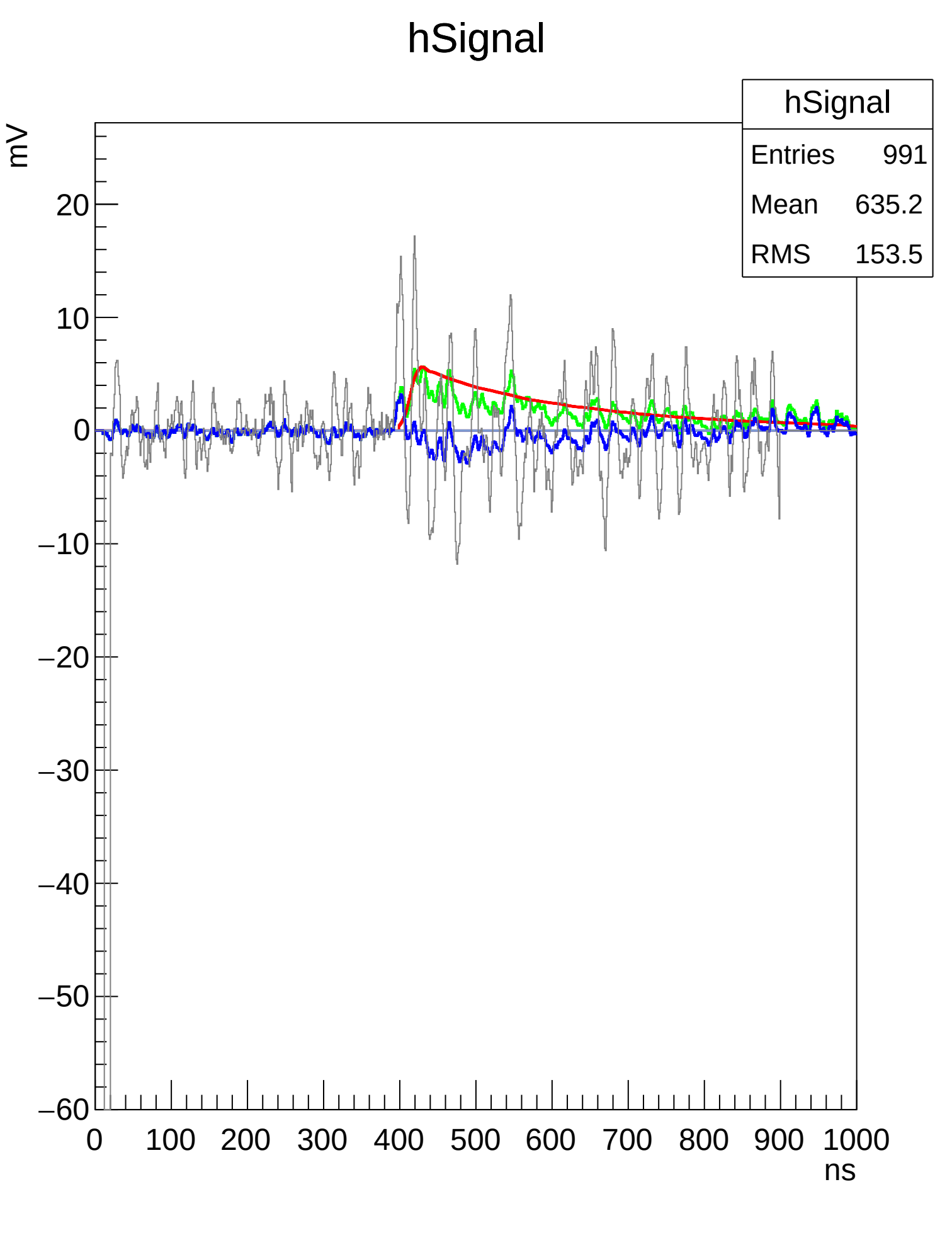
ns


hSignal
hSignal
Entries 991
Mean 635.2
RMS 153.5
mV
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10
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400
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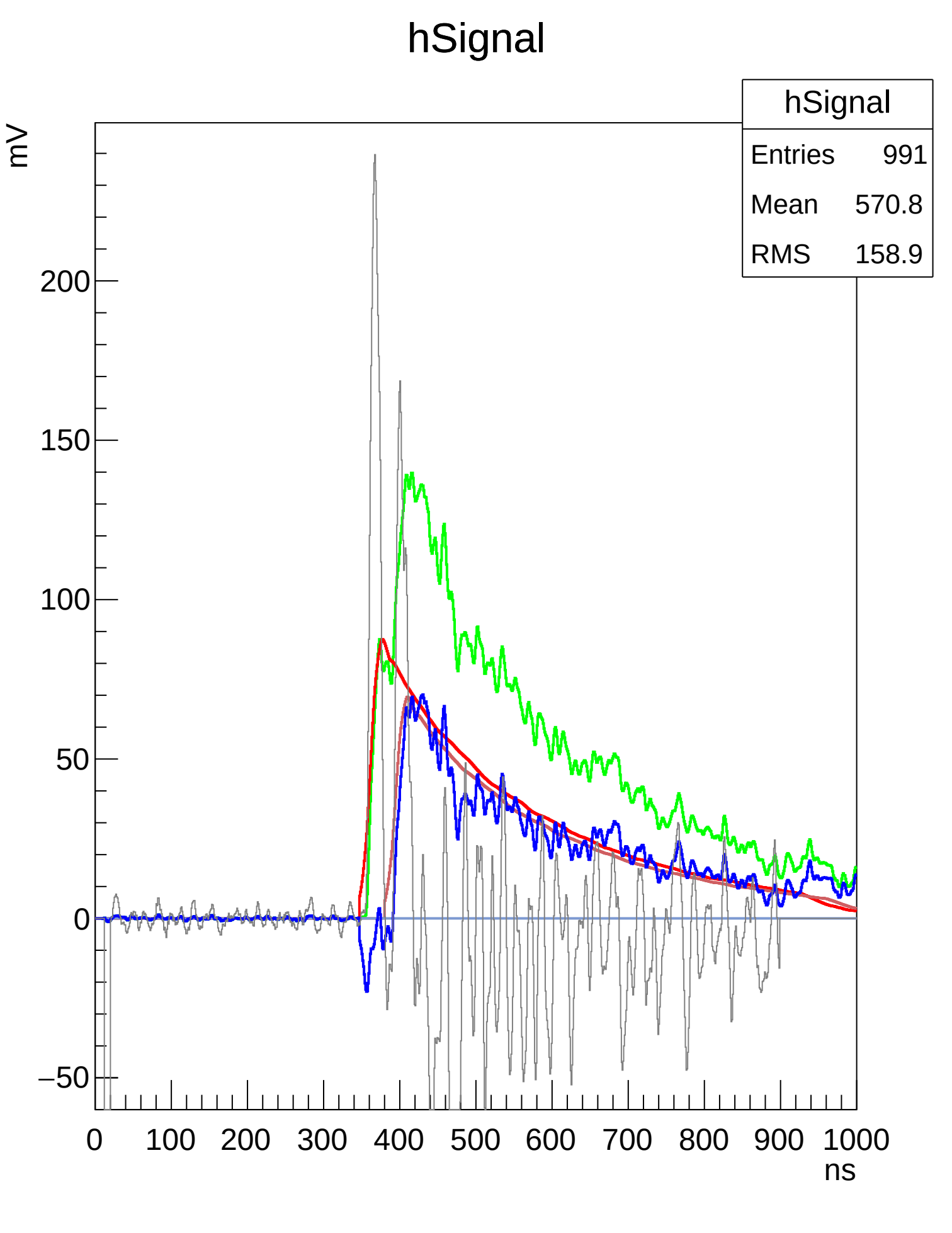
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.8
RMS 158.9
mV
200
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100
50
0
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0
100
200
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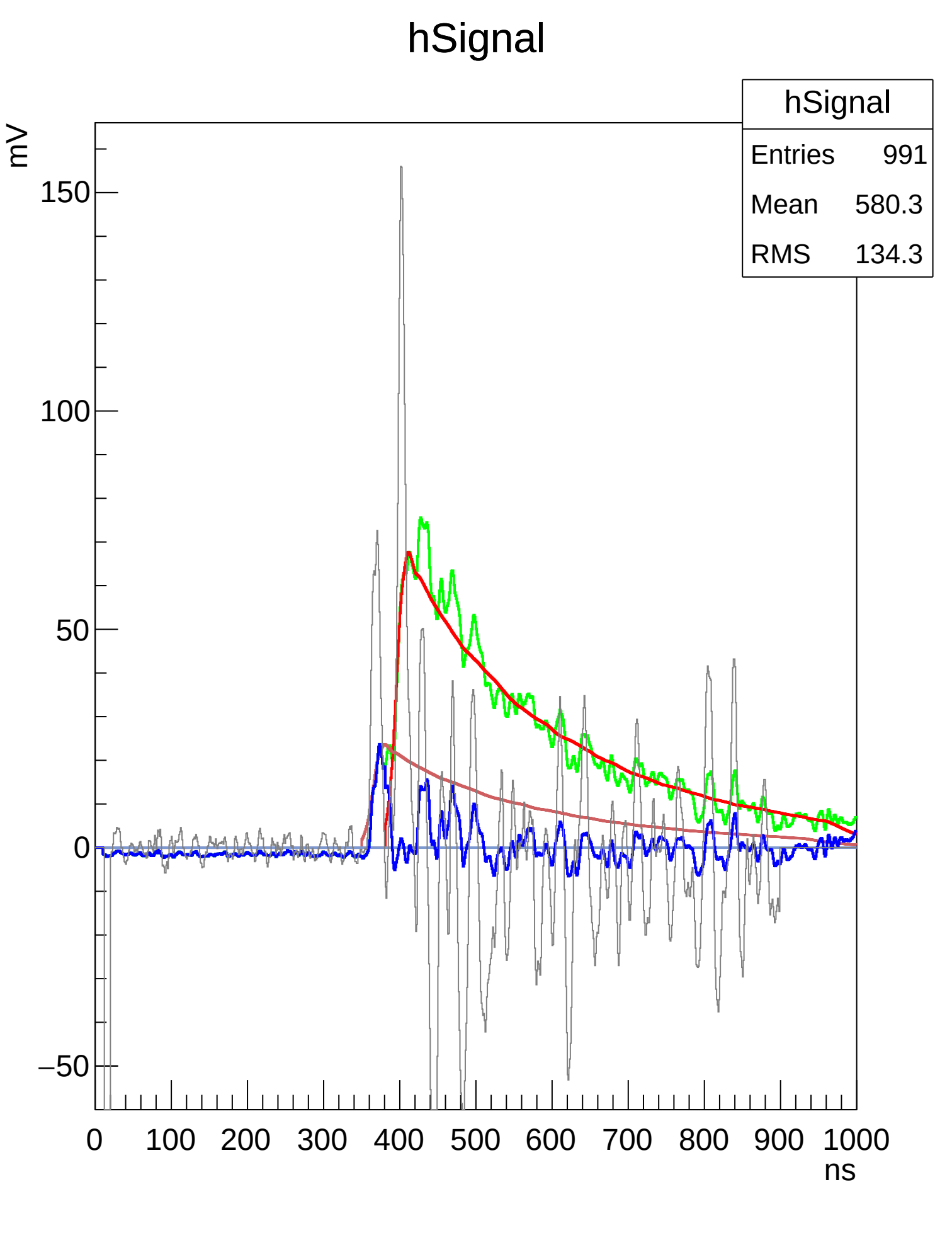
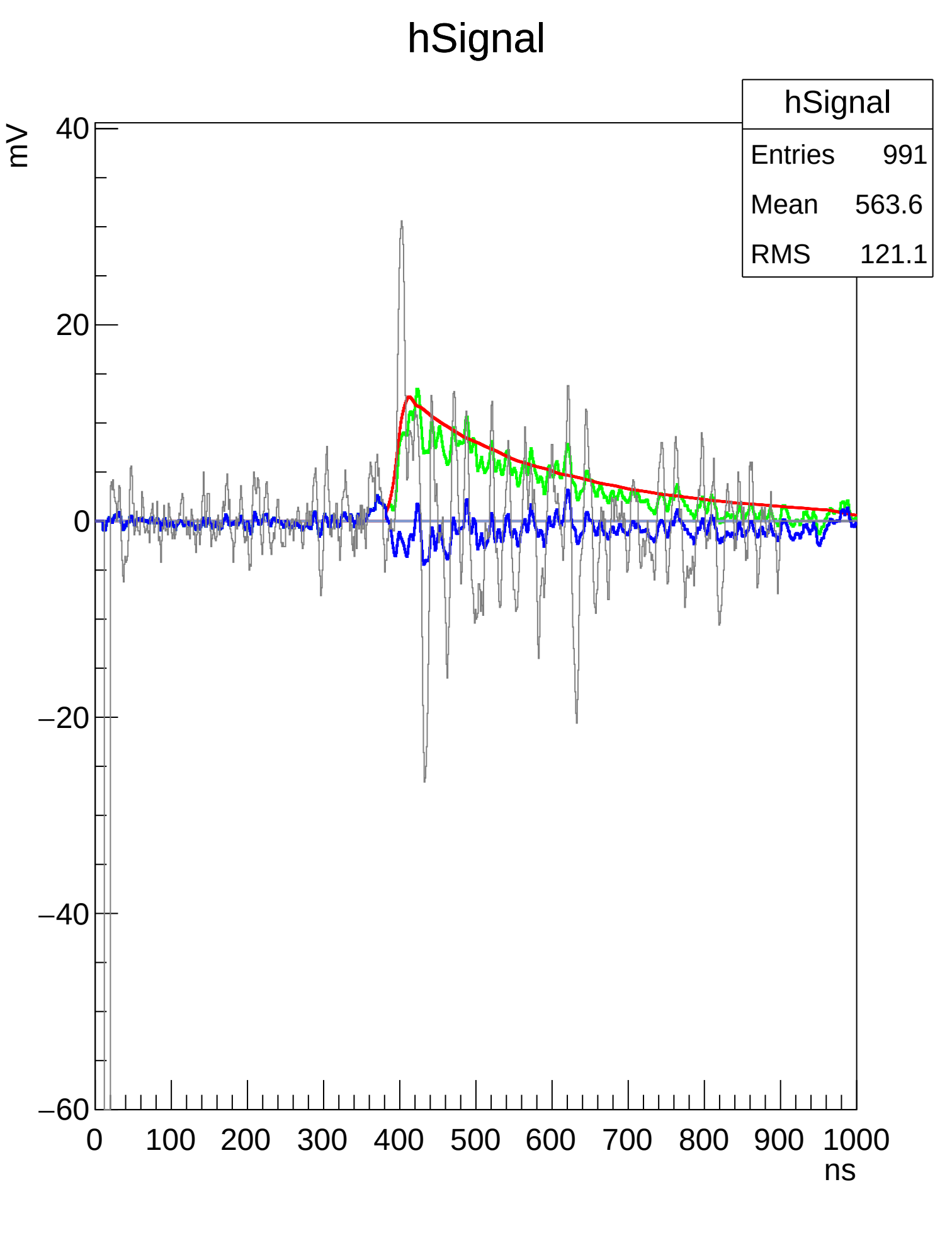
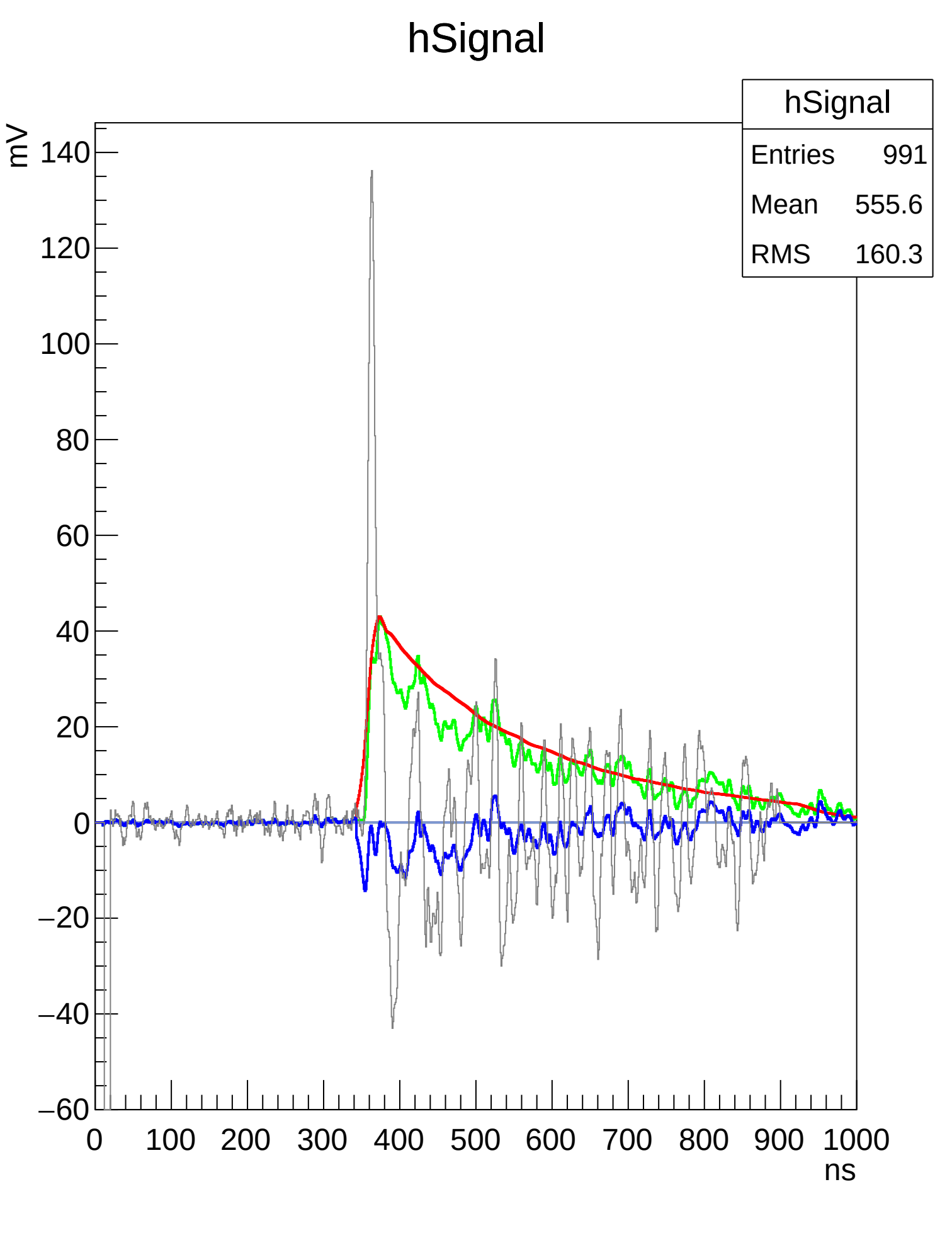
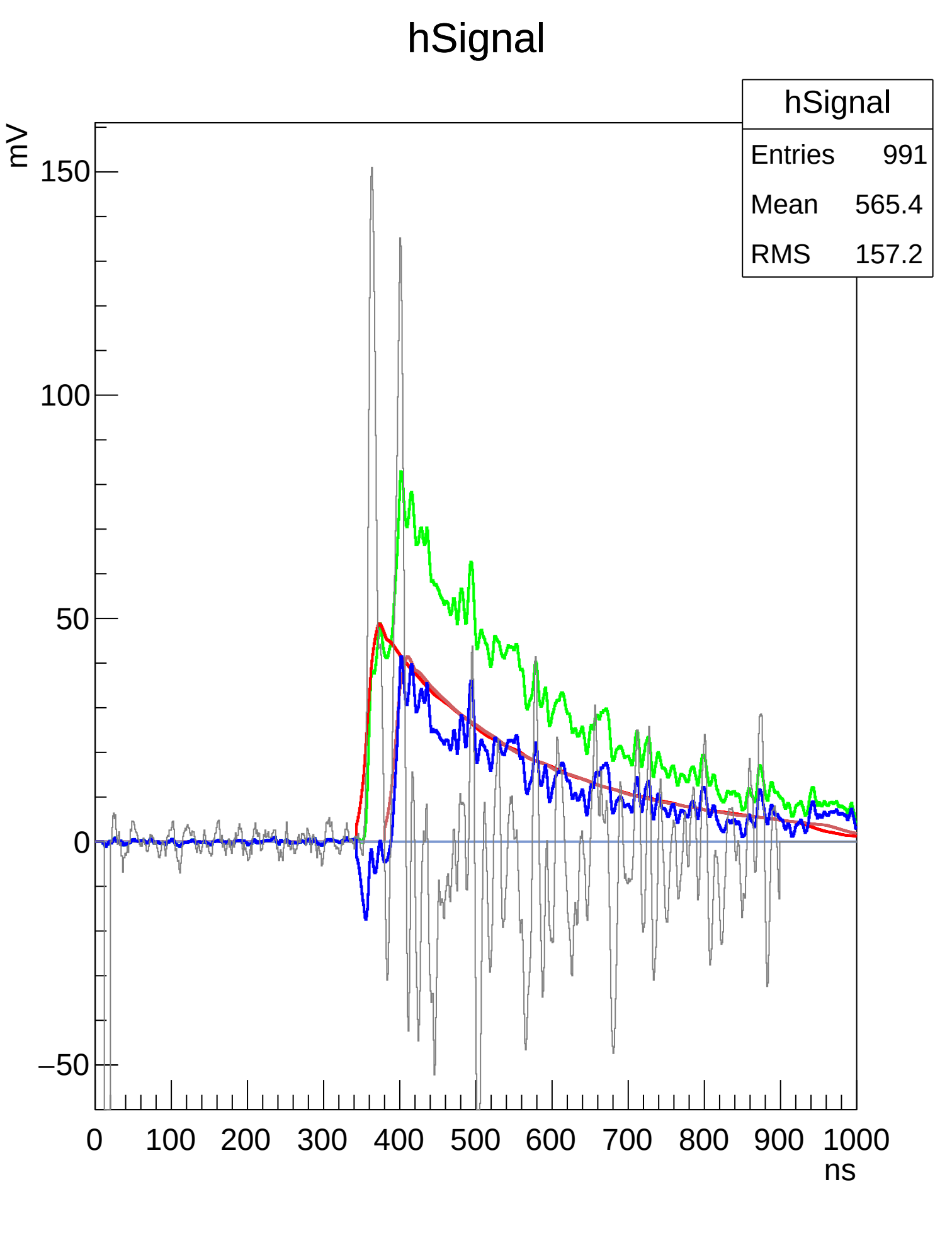
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.3
RMS 134.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563.6
RMS 121.1
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.6
RMS 160.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 565.4
RMS 157.2
mV
150
100
50
0
−50
0
100
200
300
400
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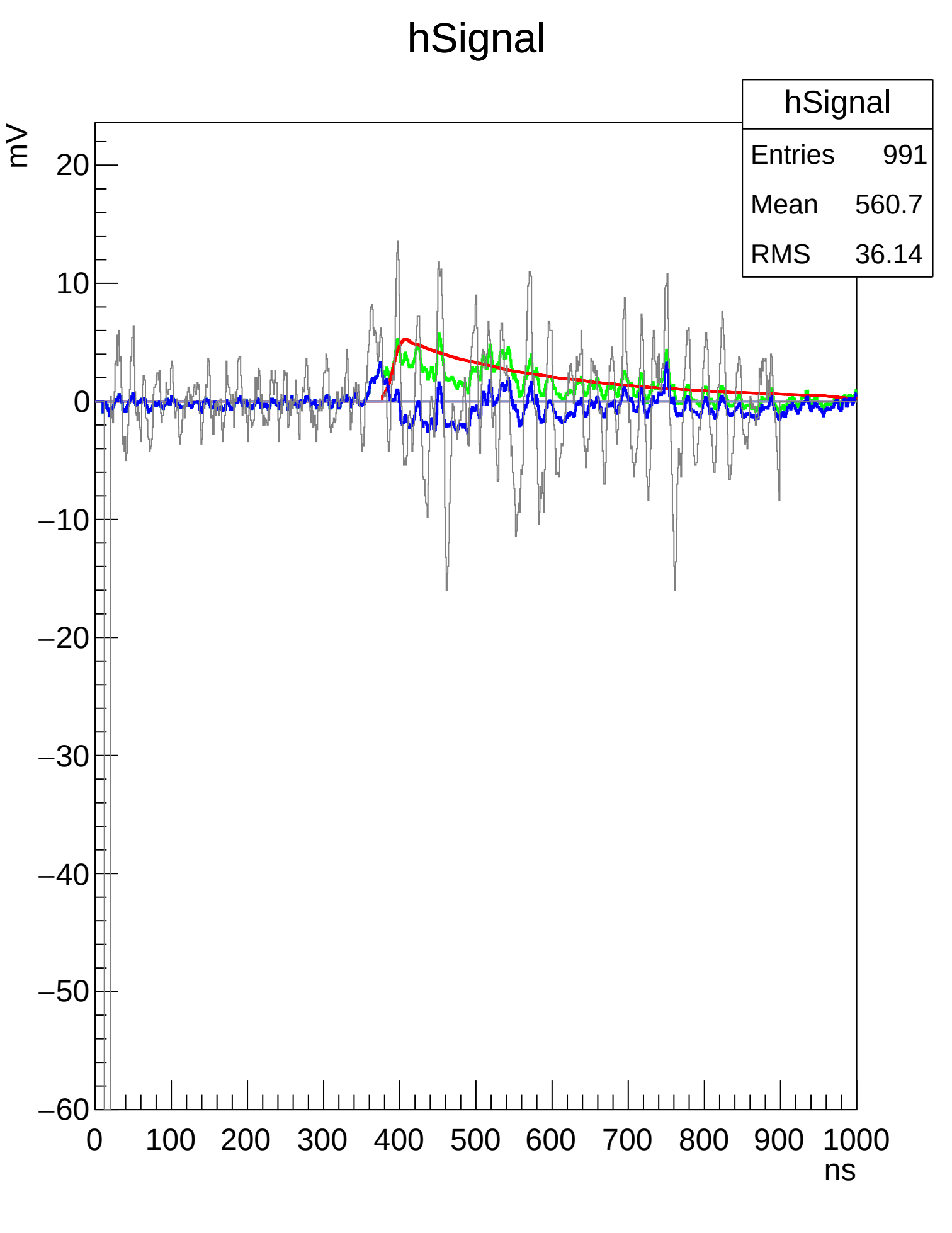
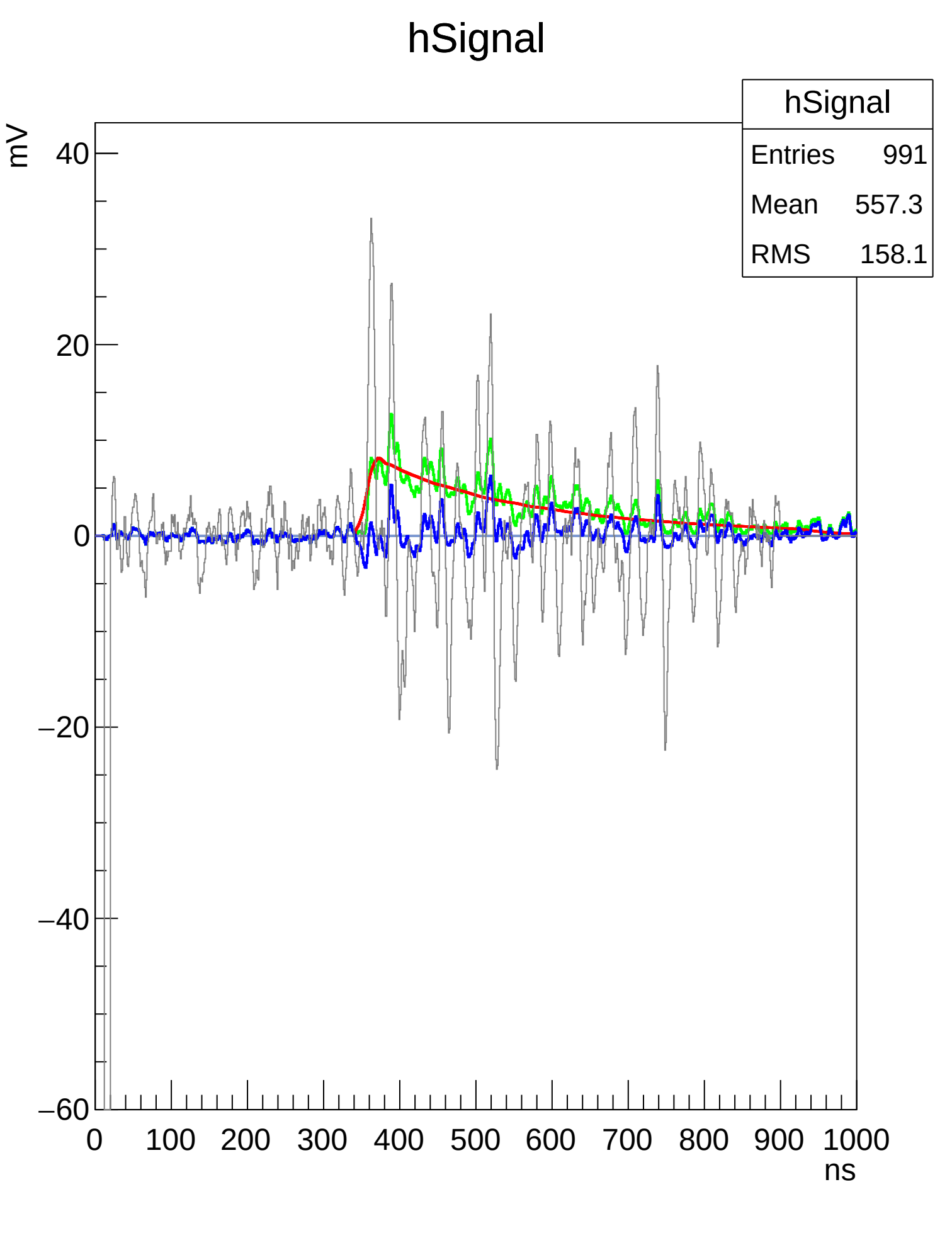
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.7
RMS 36.14
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.3
RMS 158.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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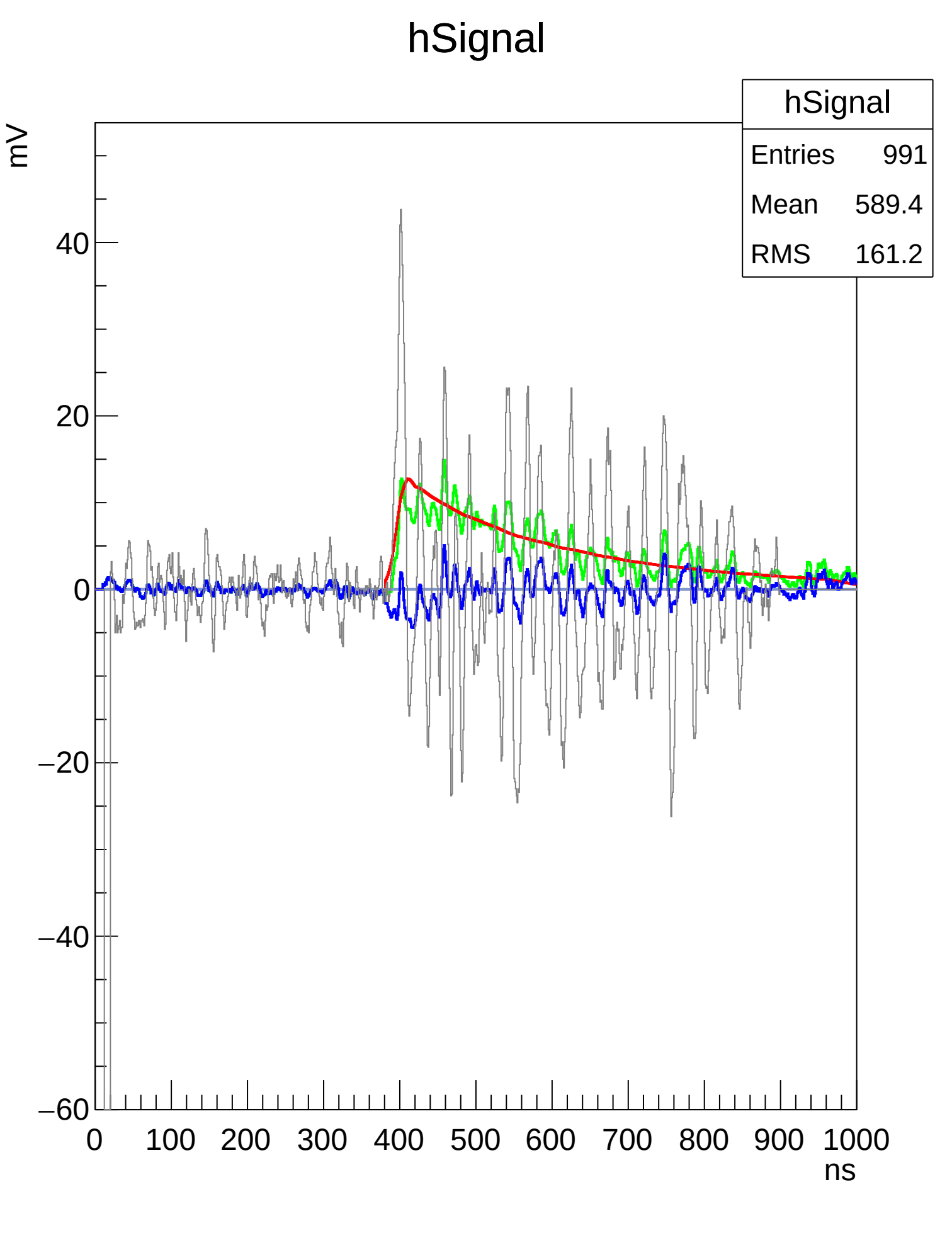
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.4
RMS 161.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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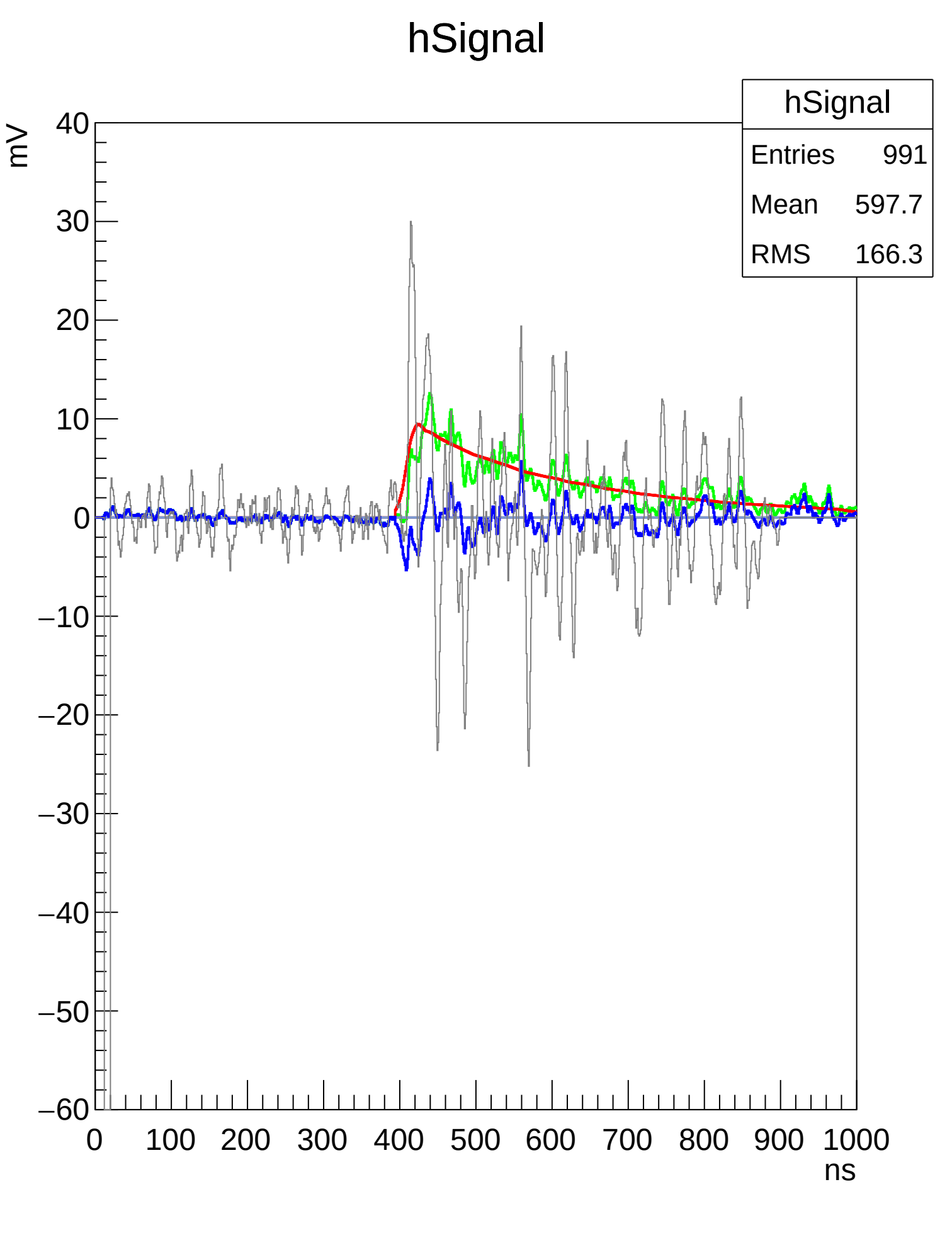
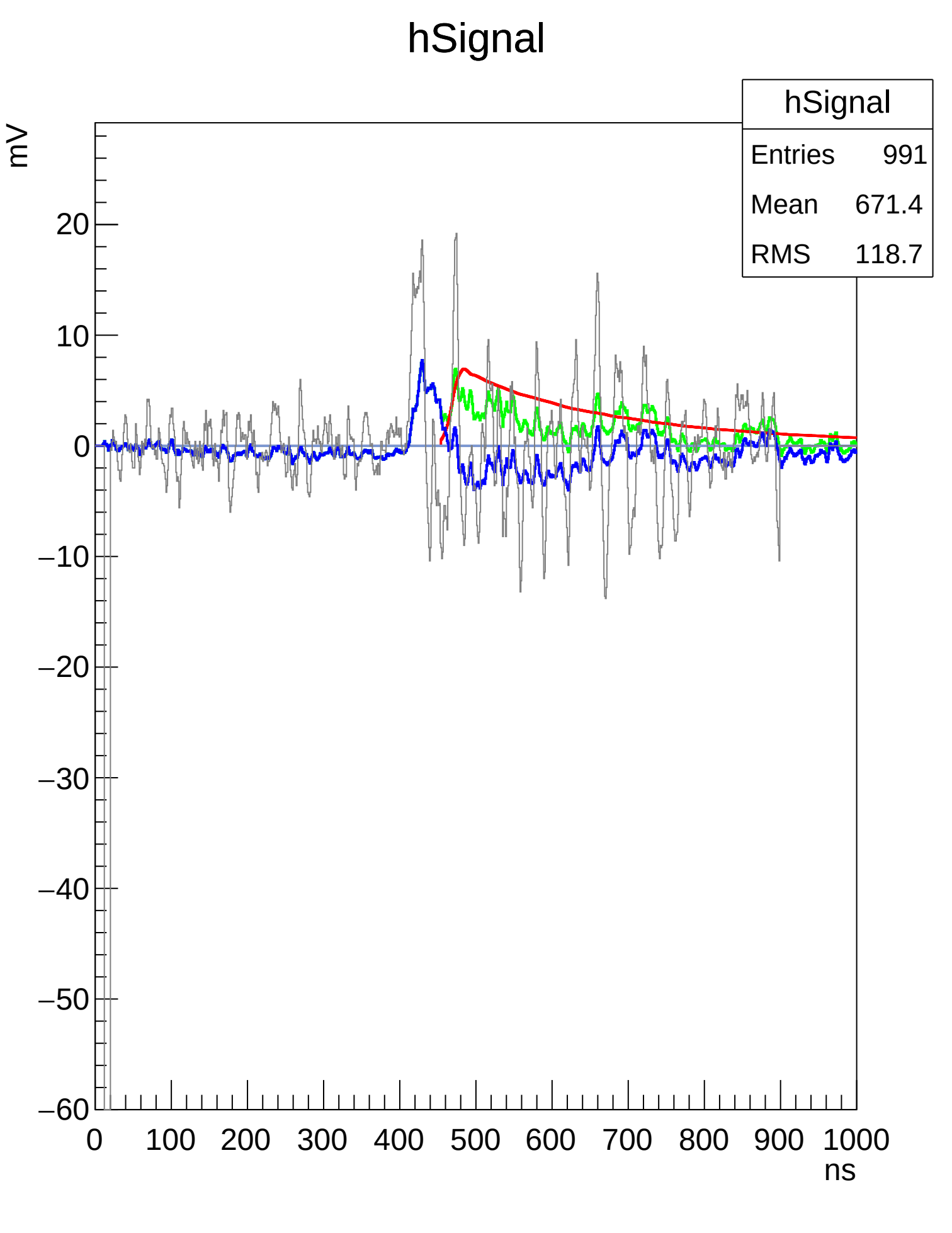
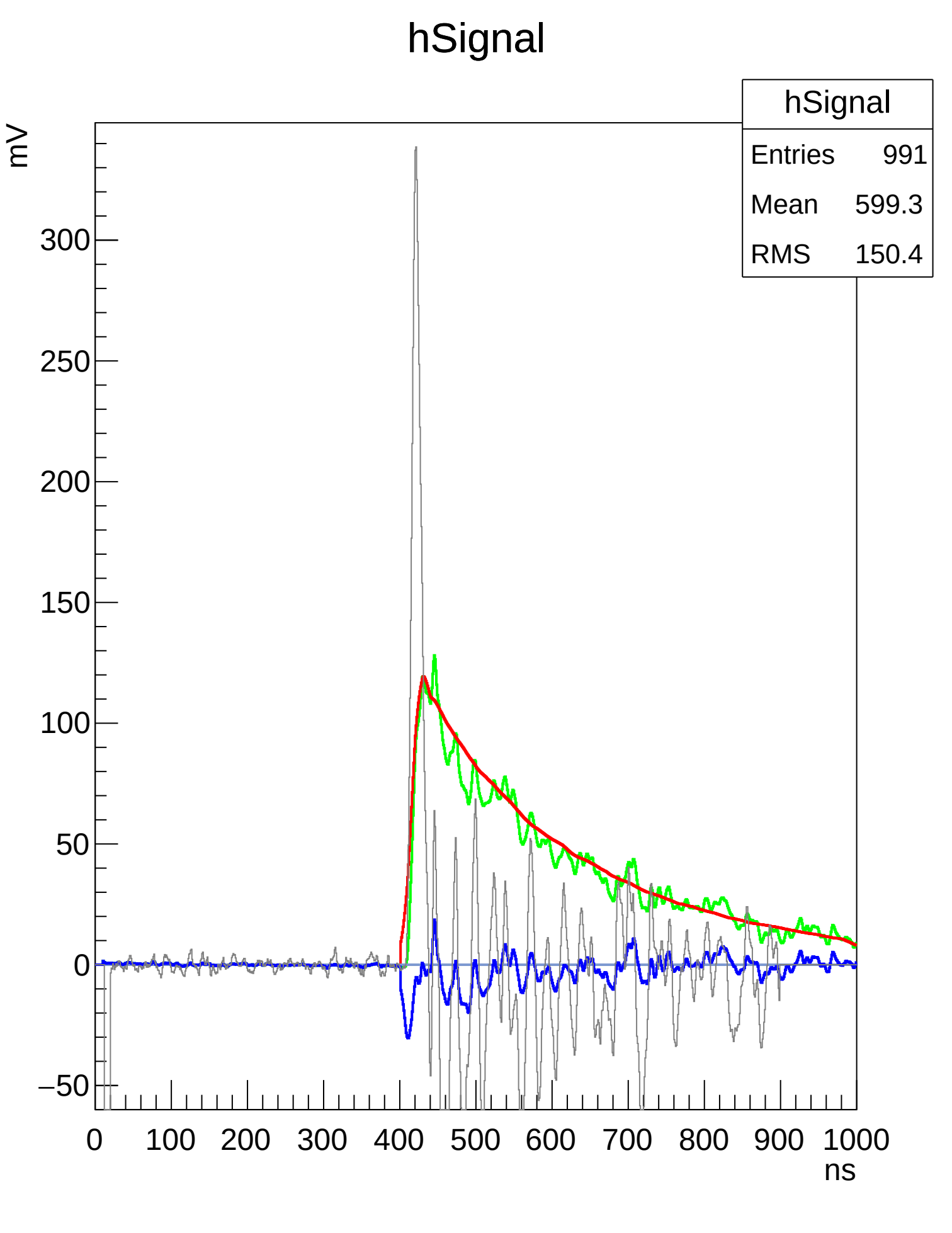
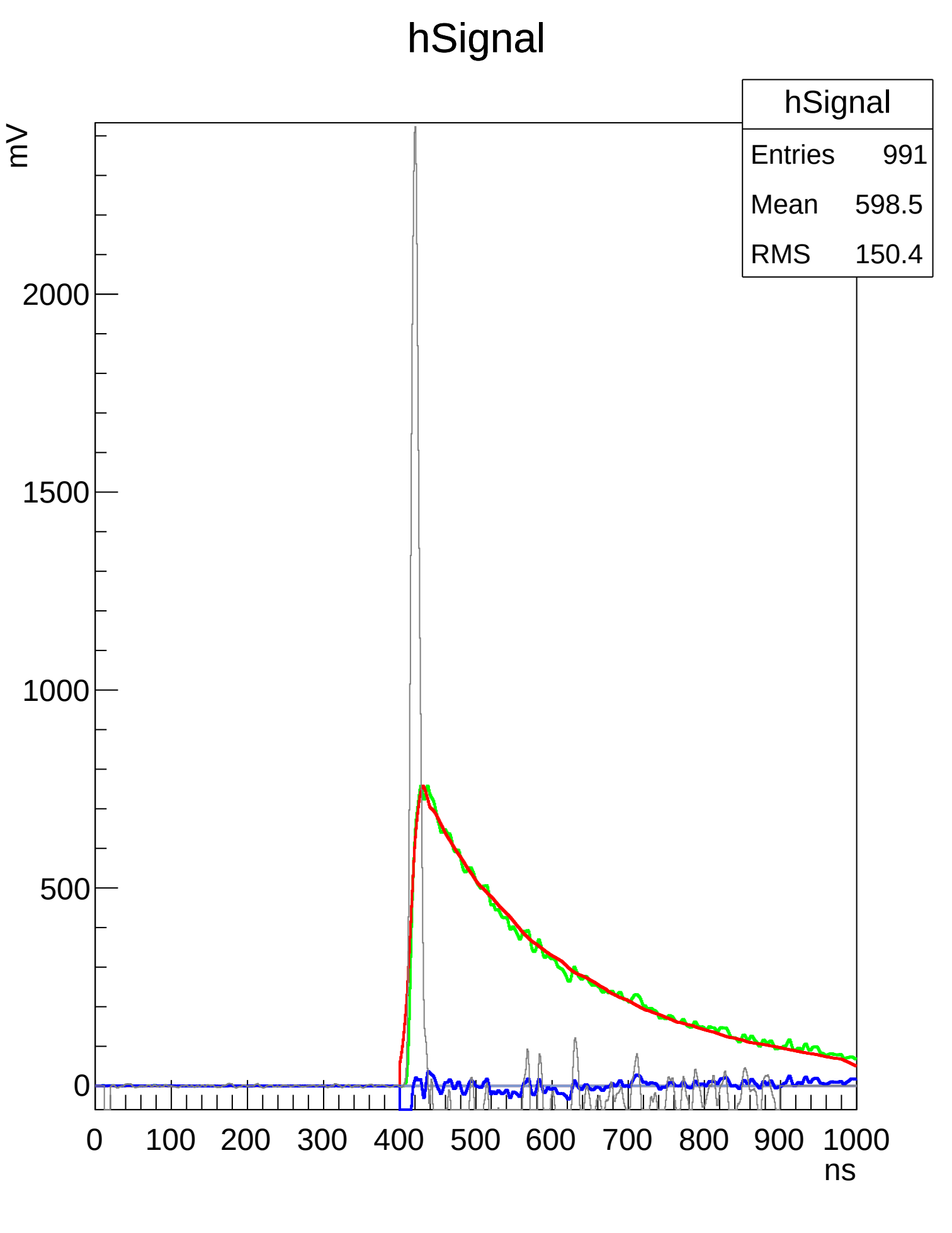
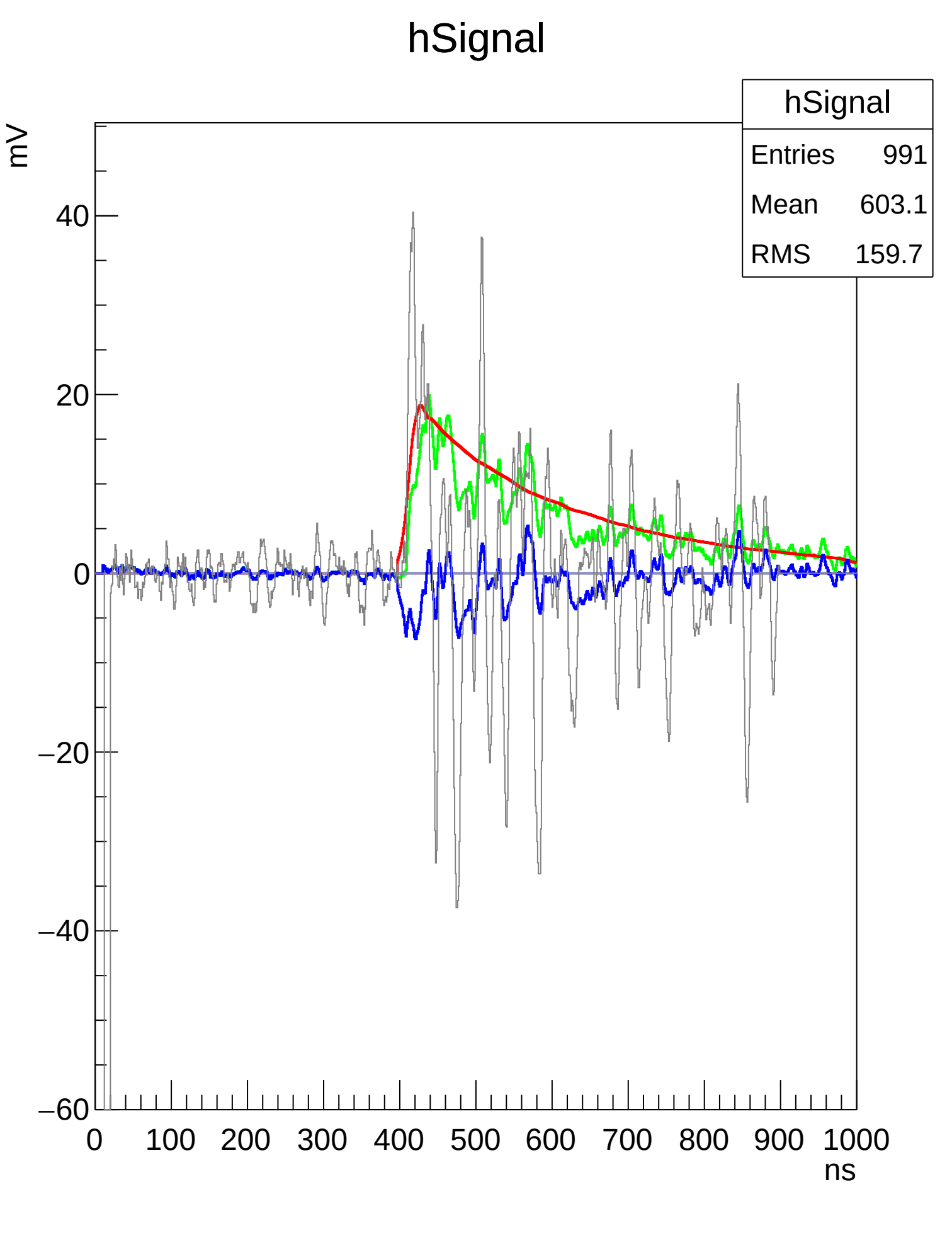
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 166.3
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 671.4
RMS 118.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.3
RMS 150.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.5
RMS 150.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 603.1
RMS 159.7
mV
40
20
0
−20
−40
−60
0
100
200
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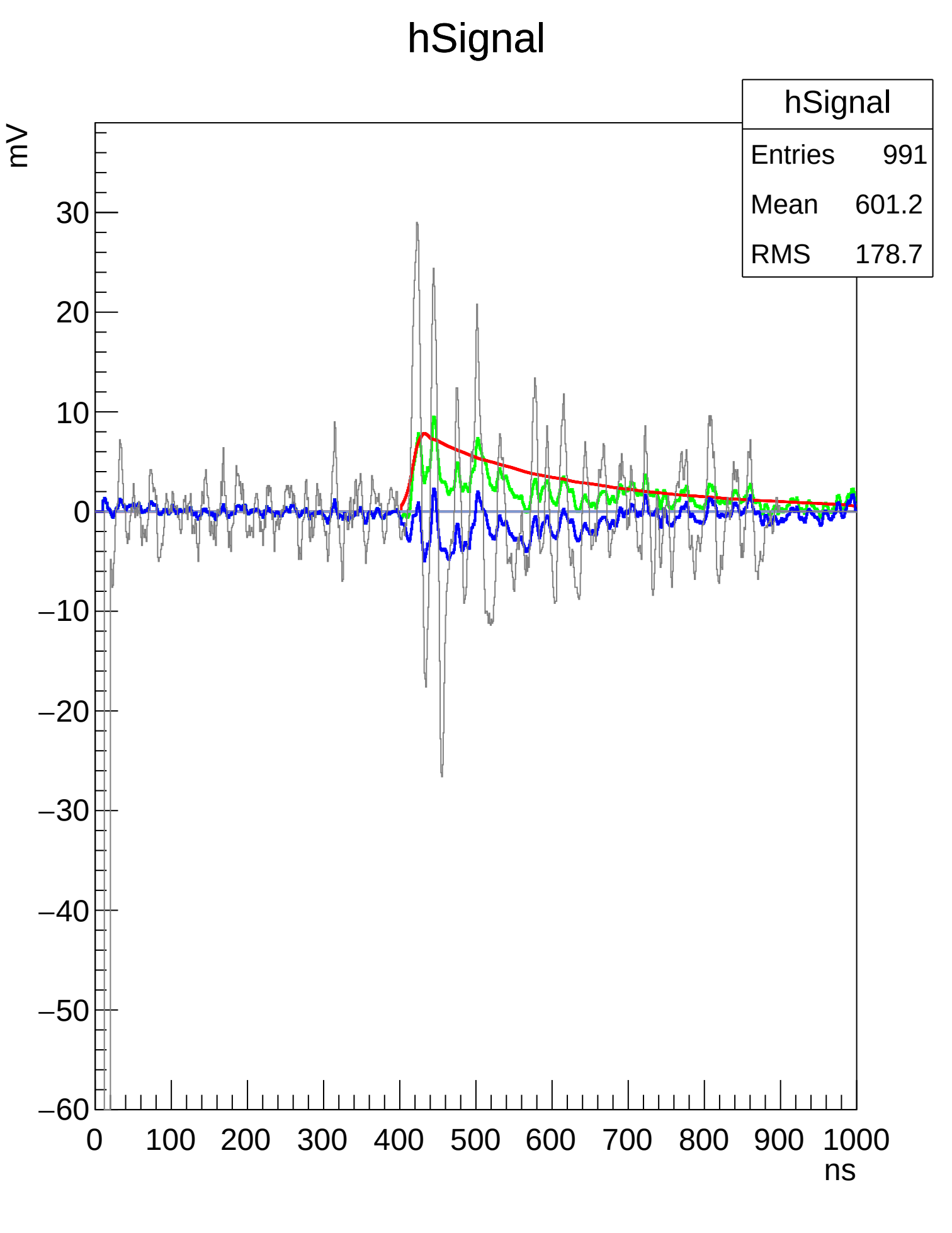
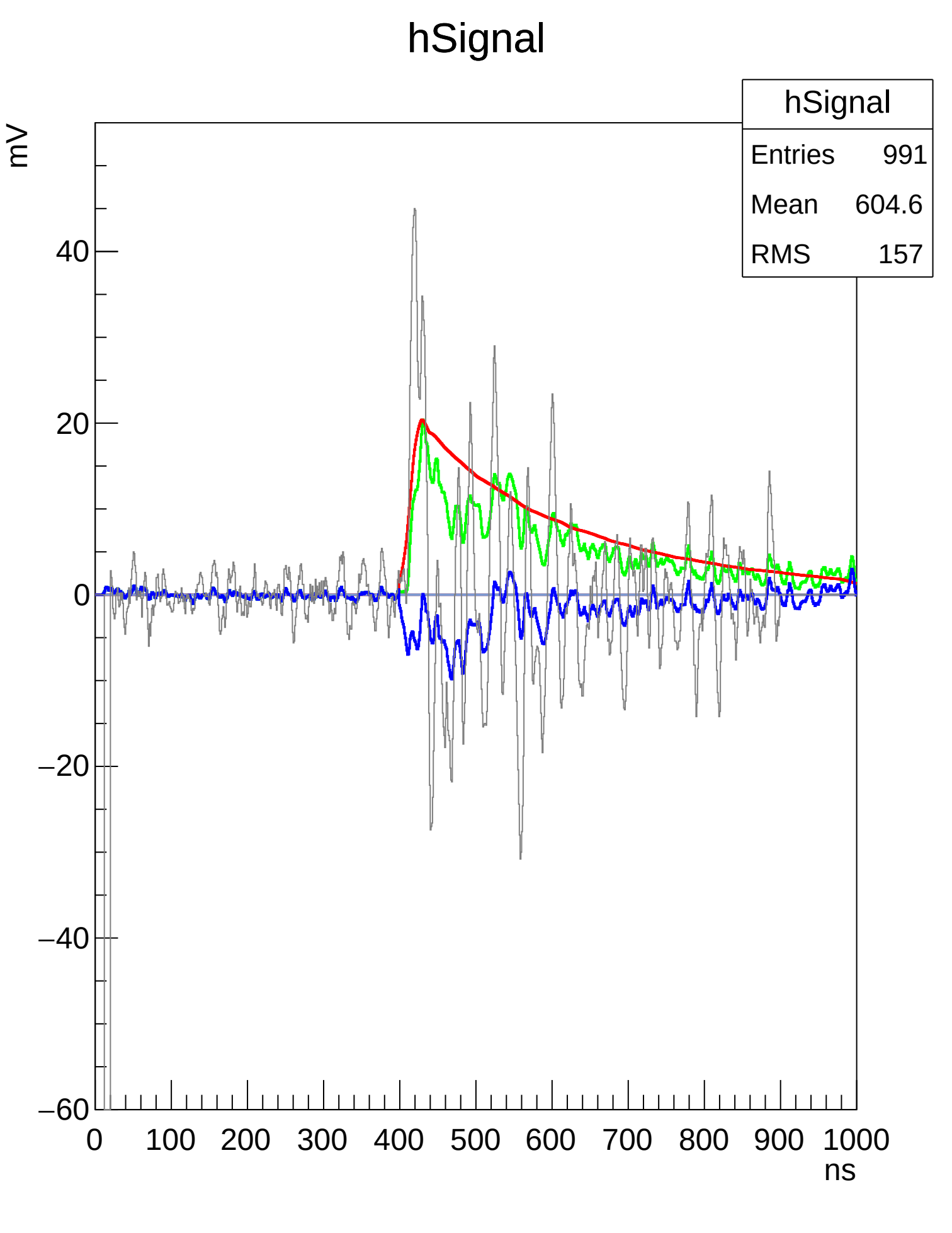
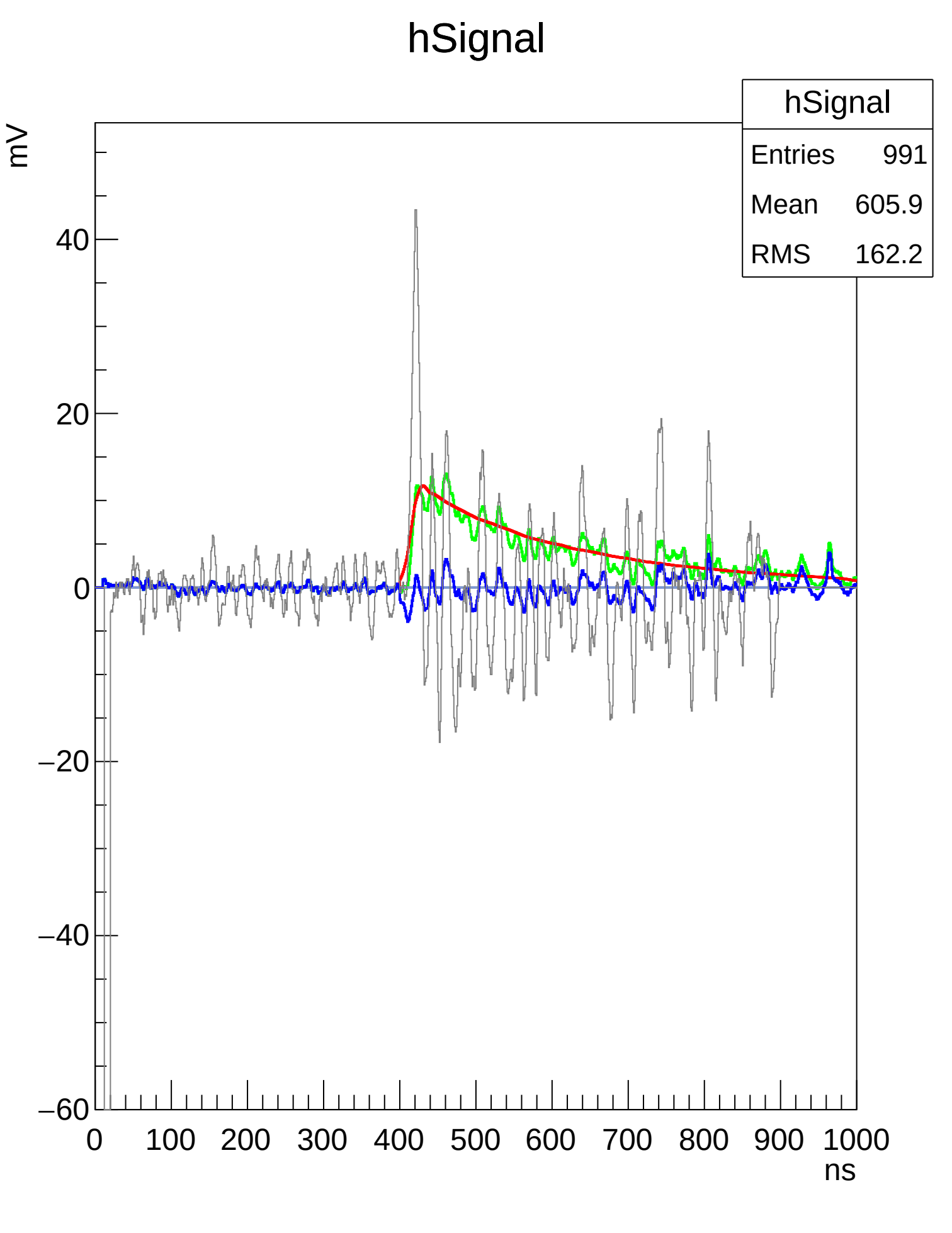
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 178.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.6
RMS 157
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 162.2
mV
40
20
0
−20
−40
−60
0
100
200
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400
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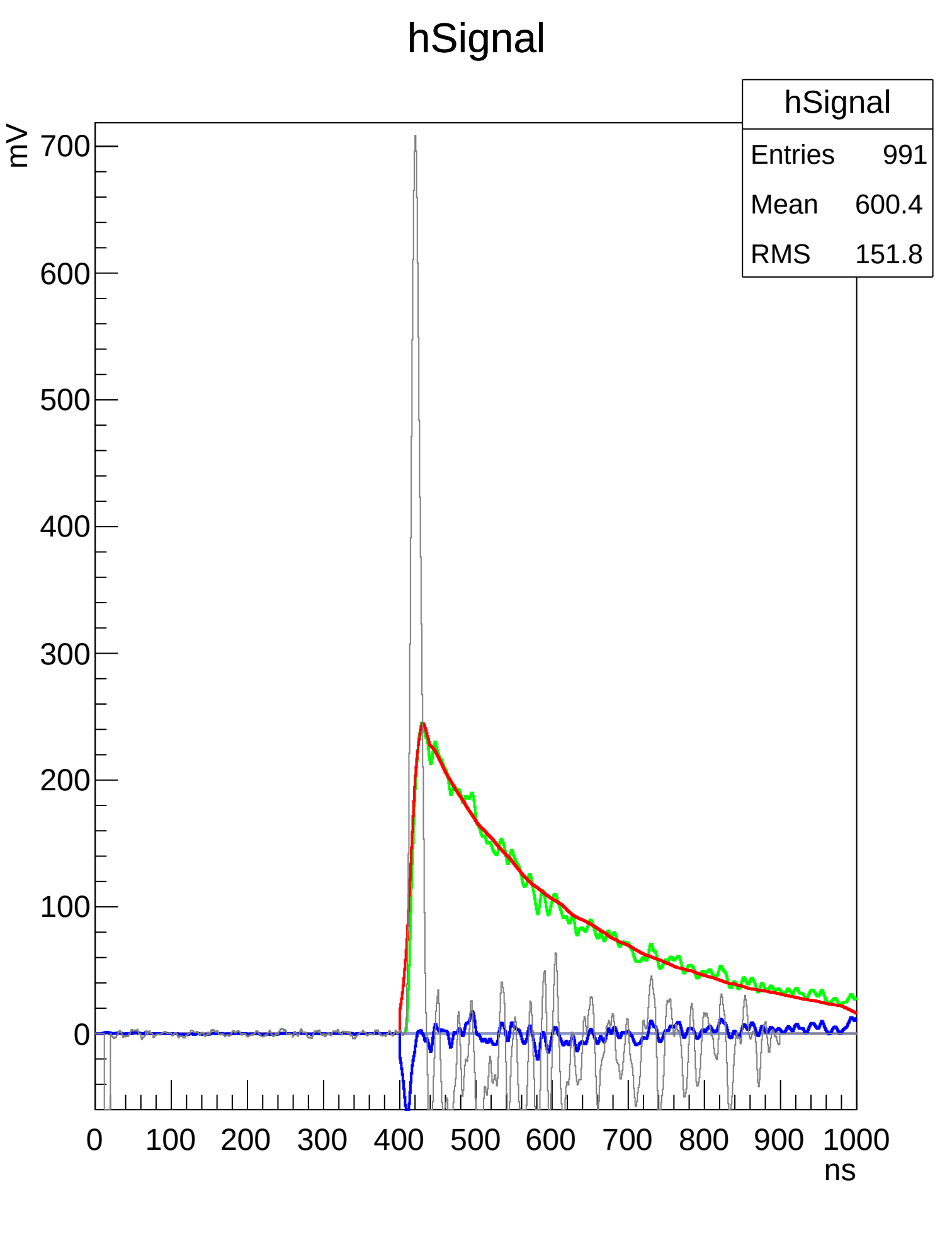
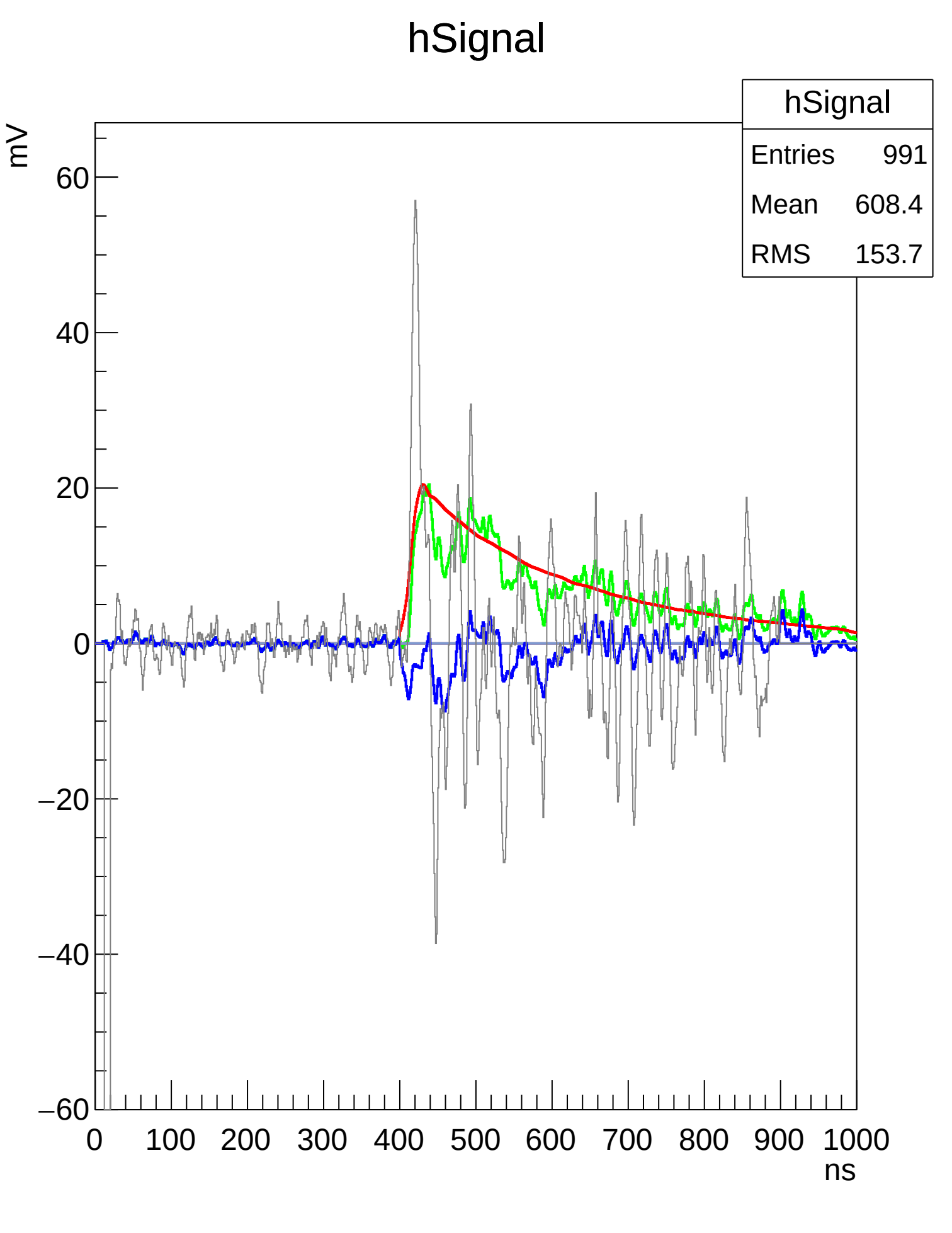
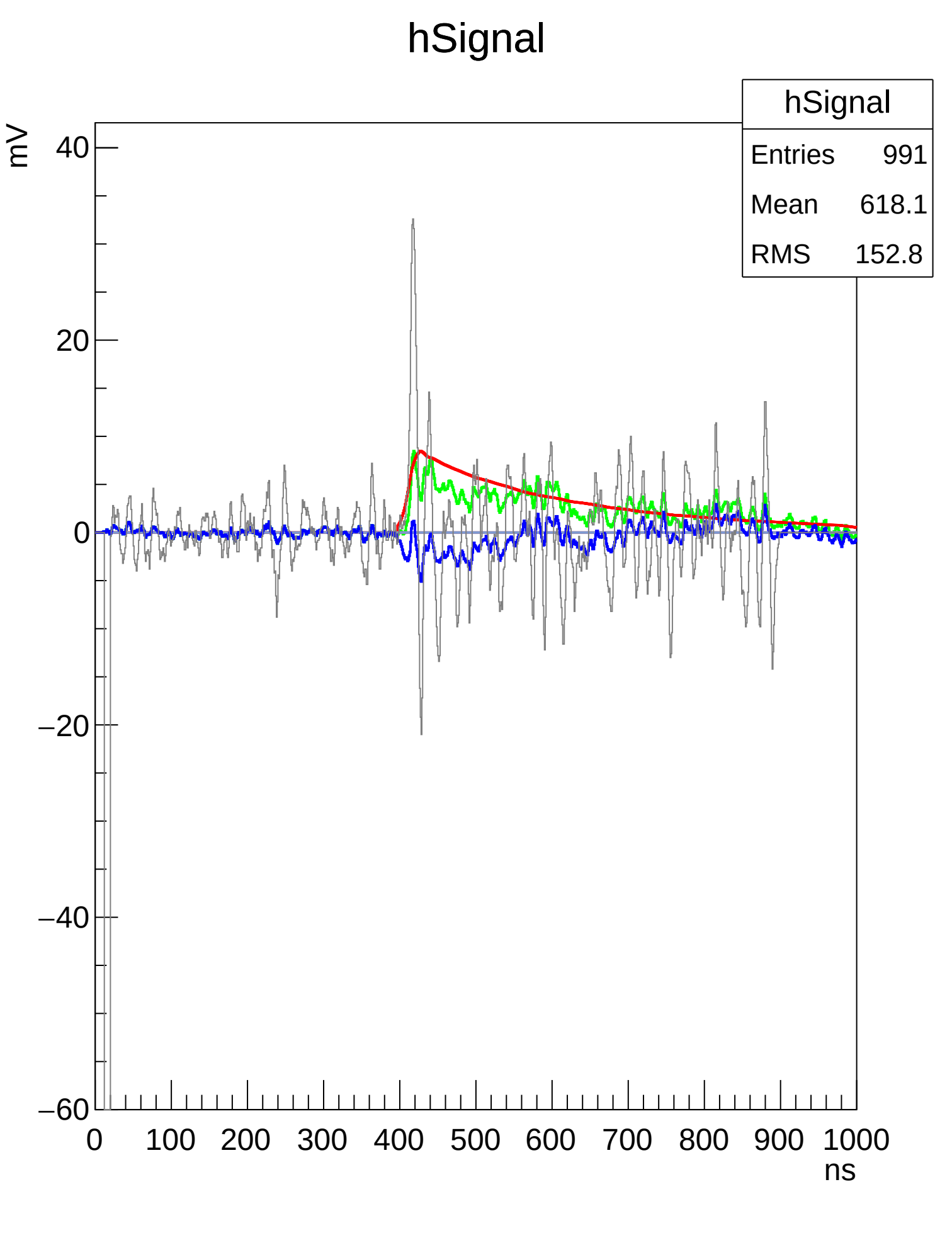
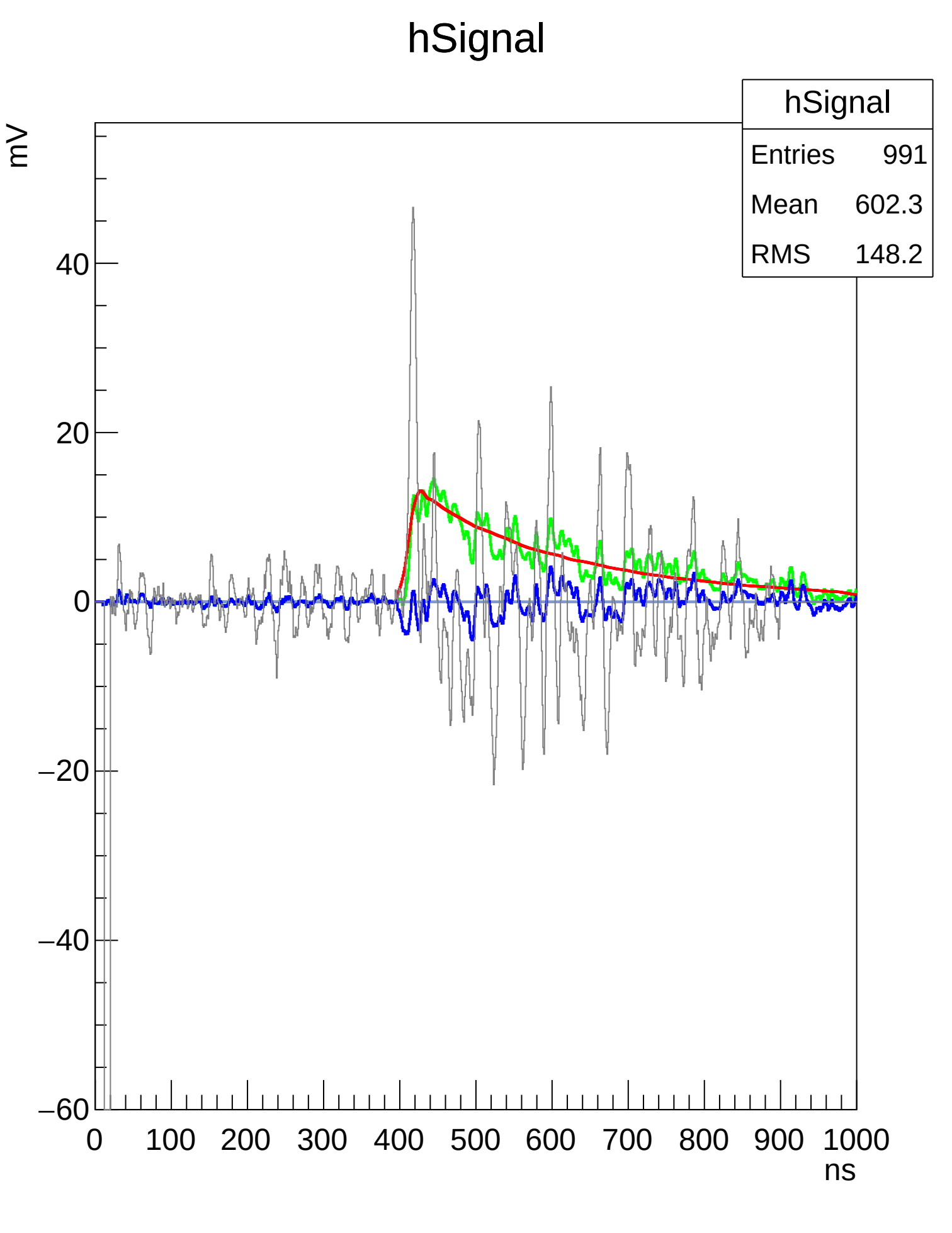
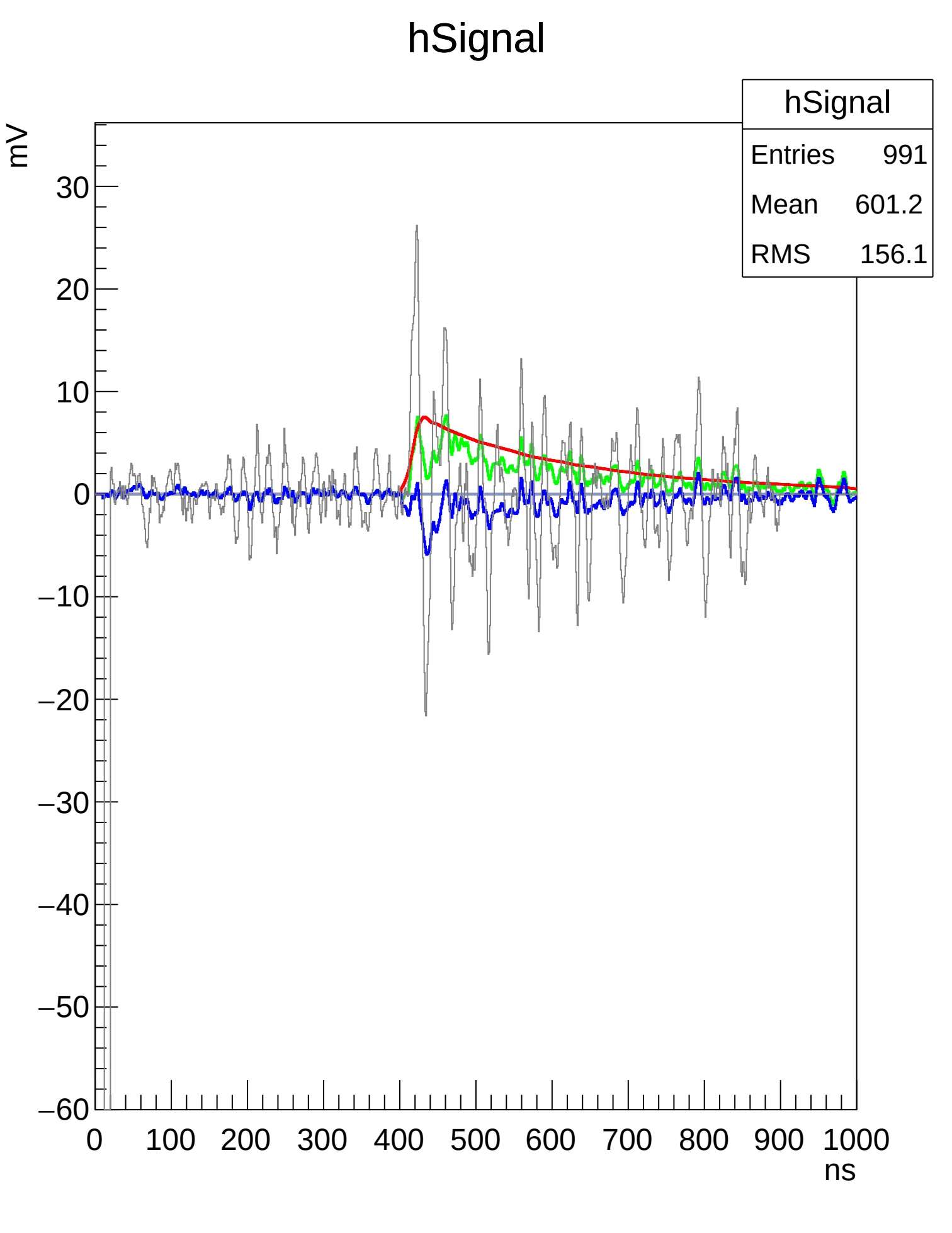
600
700
800
900
1000
ns

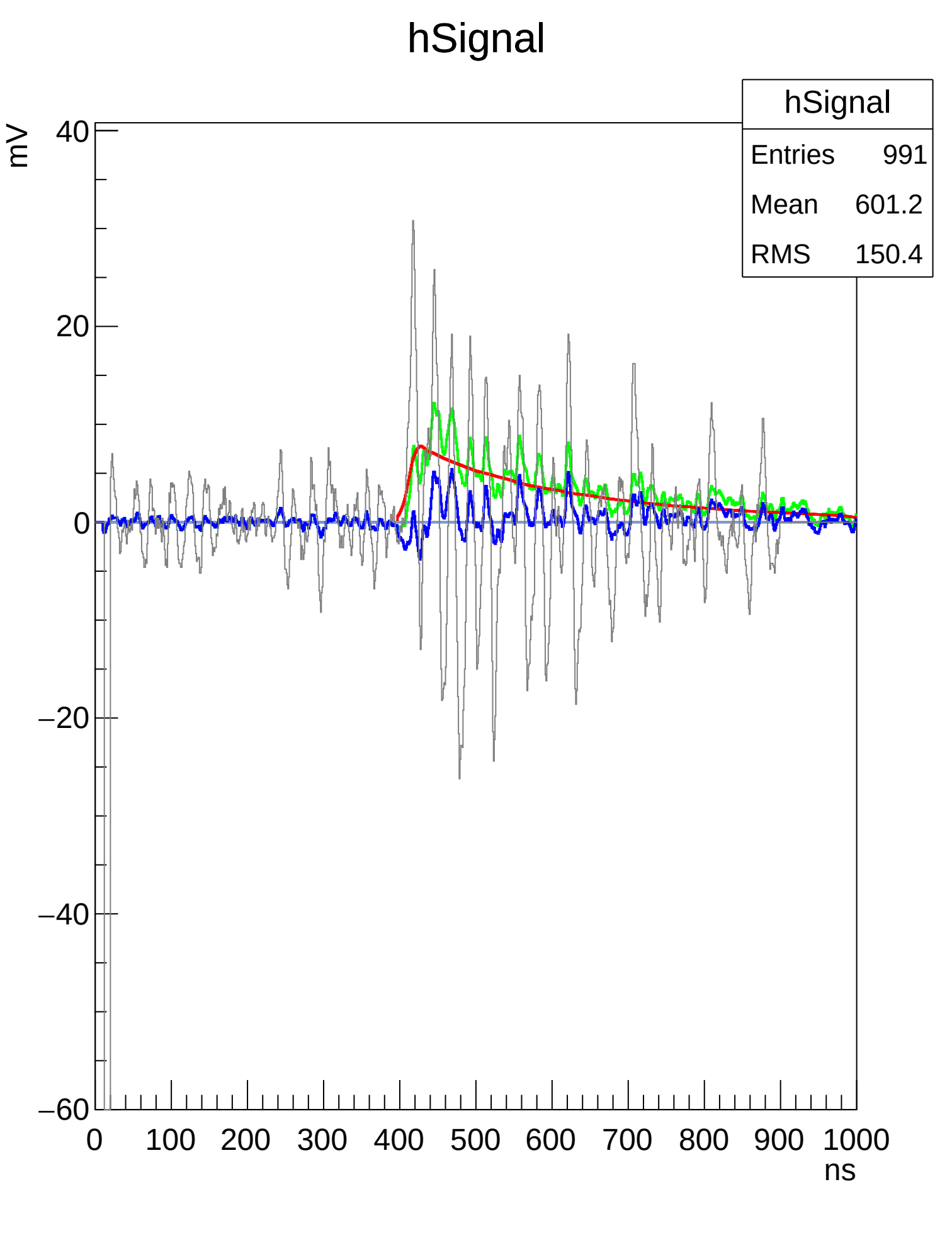

hSignal
hSignal
Entries 991
Mean 600.4
RMS 151.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

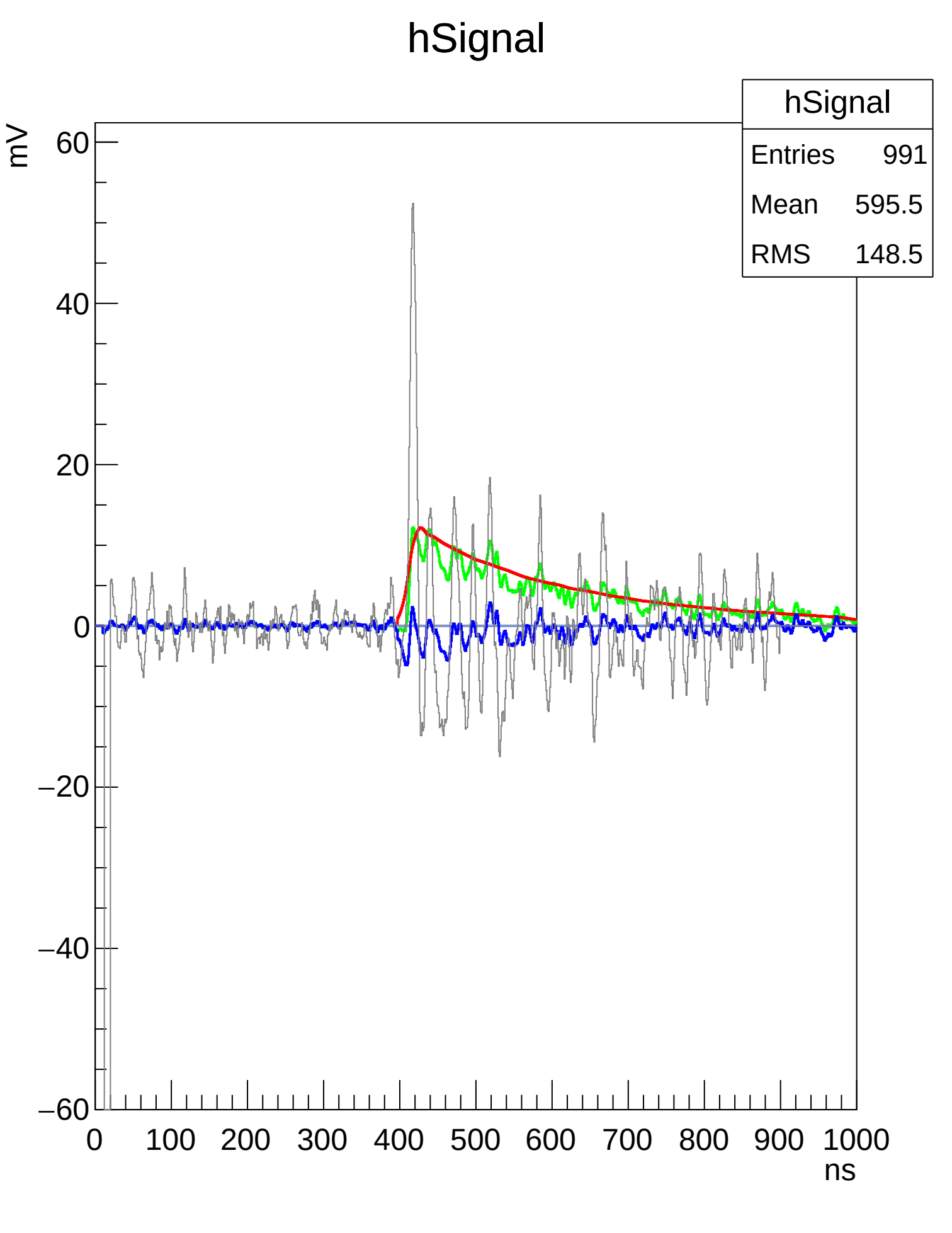

hSignal
hSignal
Entries 991
Mean 608.4
RMS 153.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

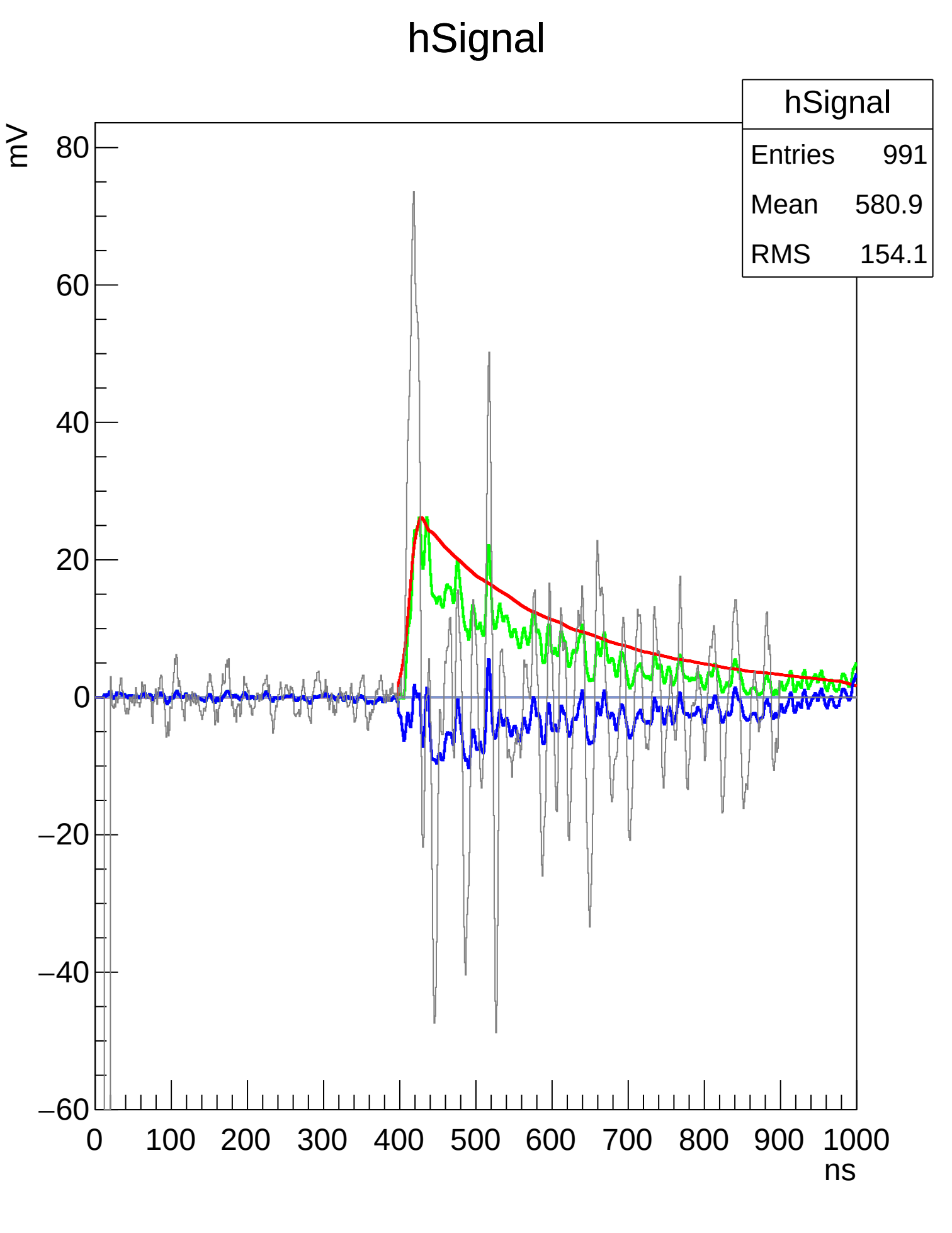

hSignal
hSignal
Entries 991
Mean 618.1
RMS 152.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

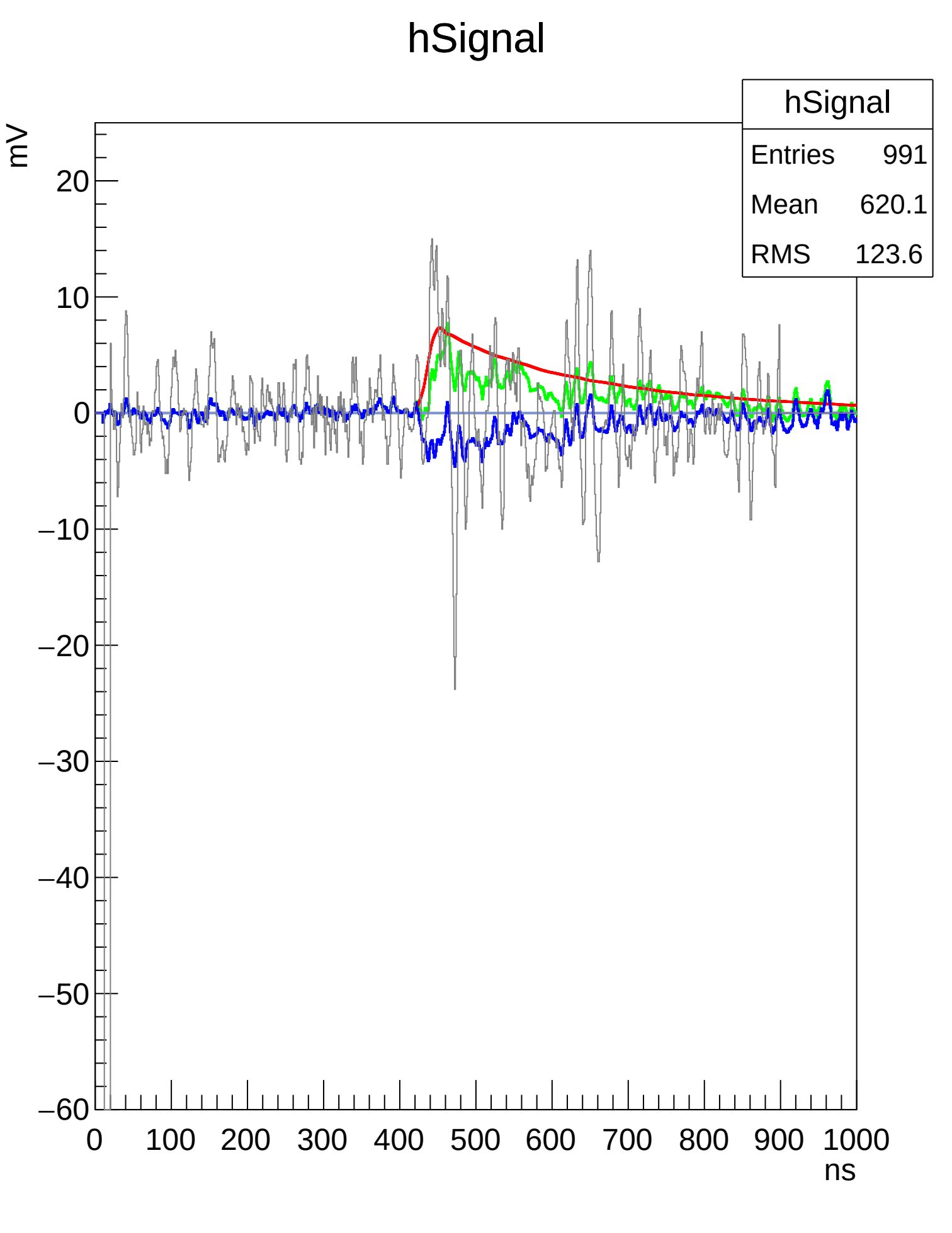

hSignal
hSignal
Entries 991
Mean 602.3
RMS 148.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

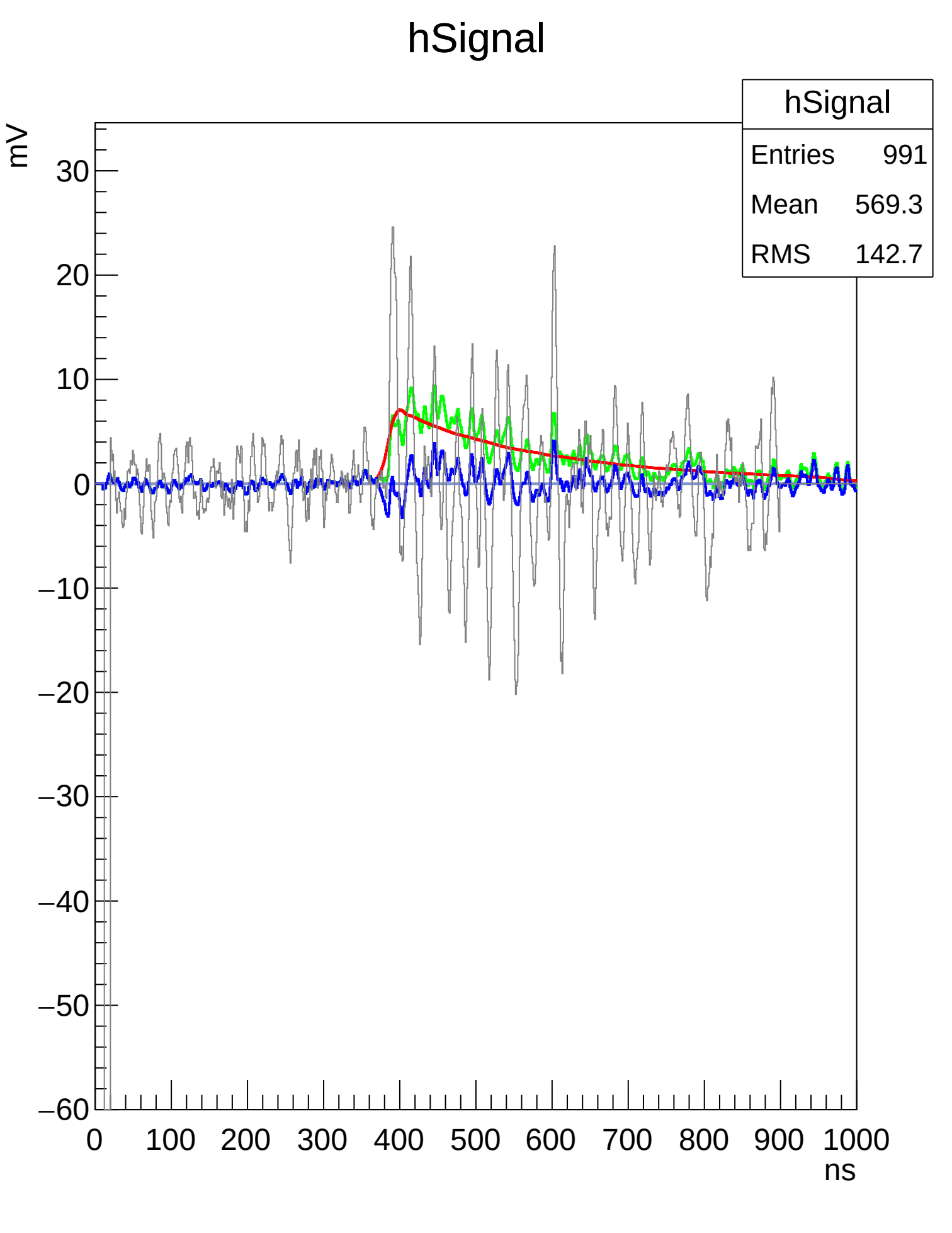

hSignal
hSignal
Entries 991
Mean 601.2
RMS 156.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

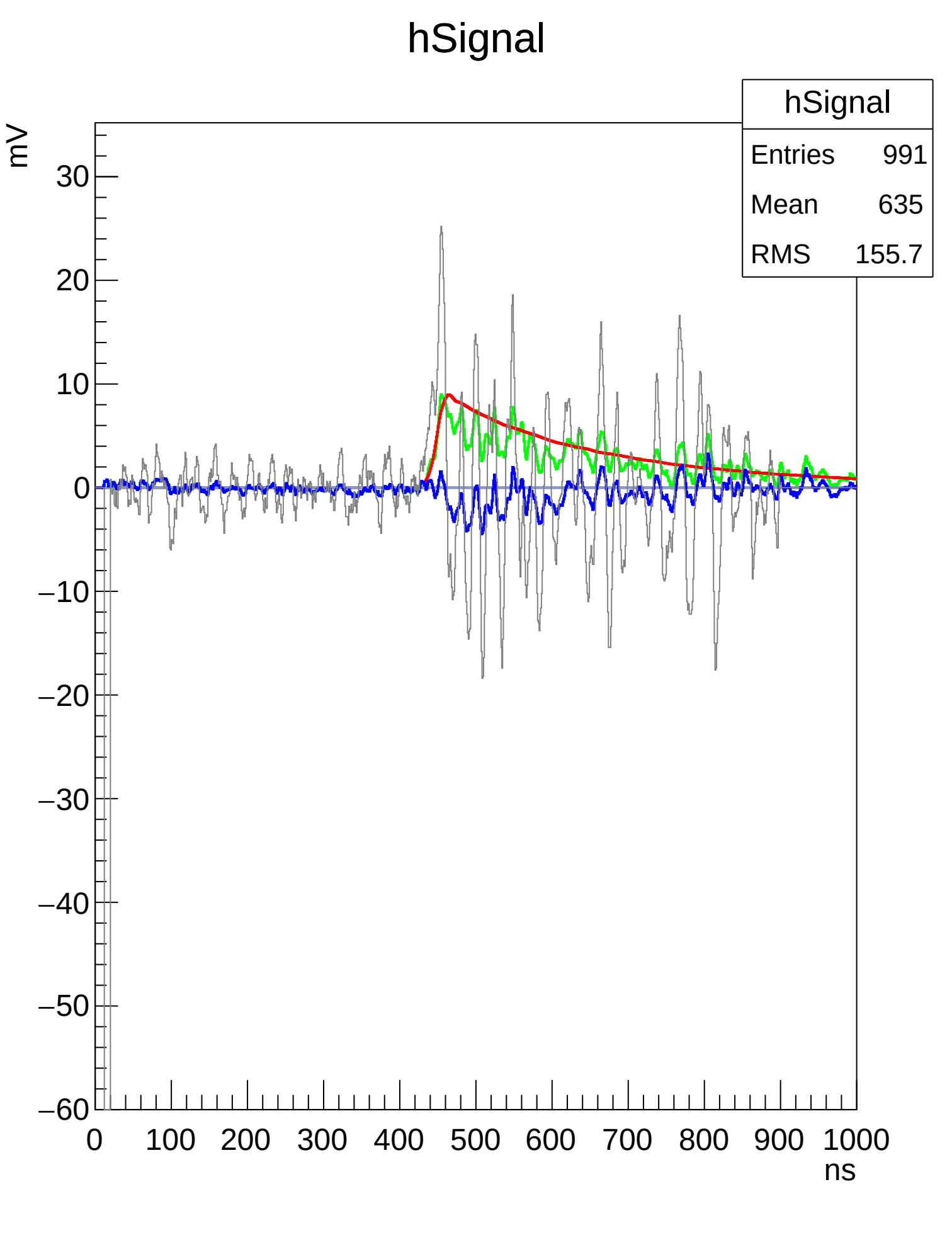

hSignal
hSignal
Entries 991
Mean 601.2
RMS 150.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

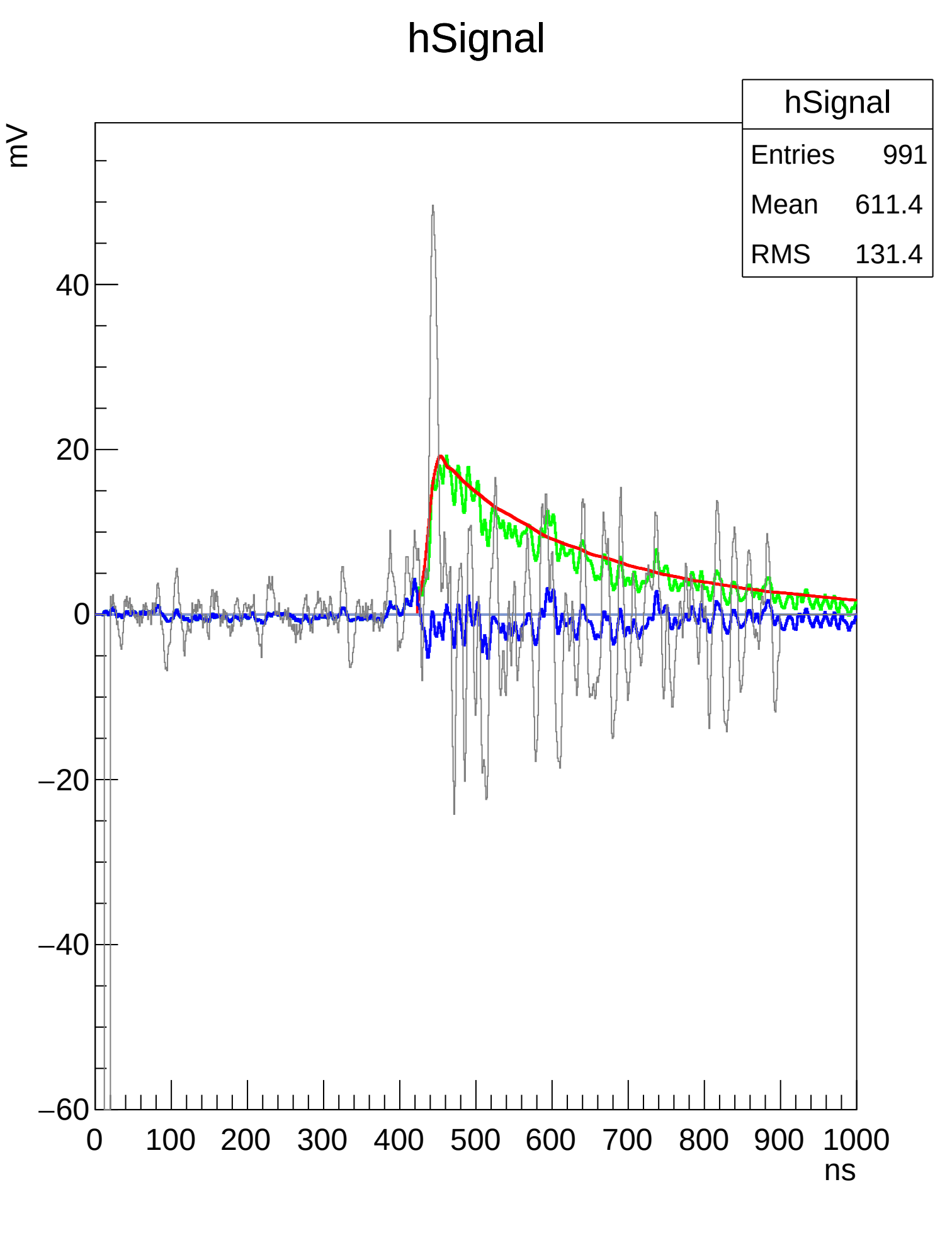

hSignal
hSignal
Entries 991
Mean 595.5
RMS 148.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

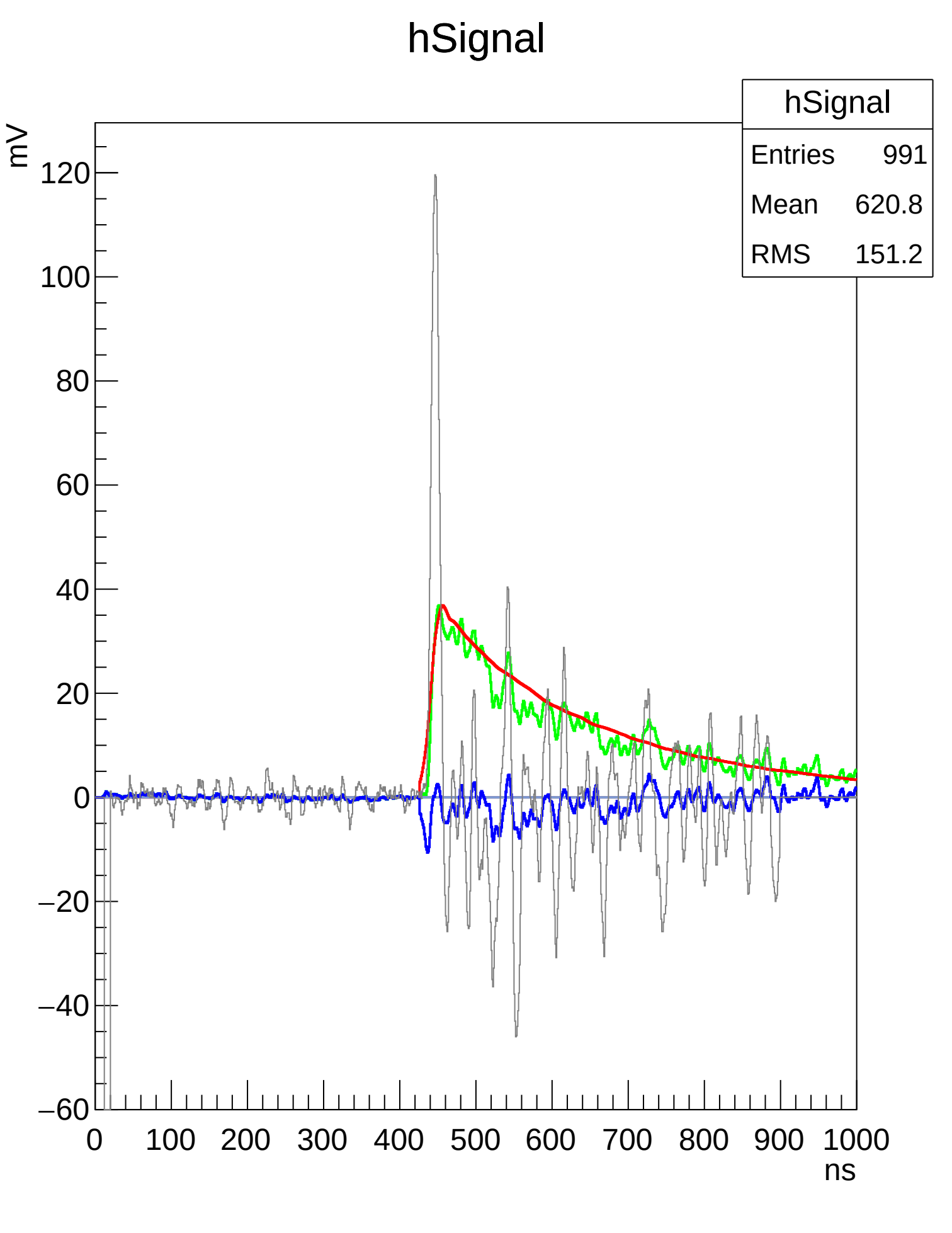

hSignal
hSignal
Entries 991
Mean 580.9
RMS 154.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

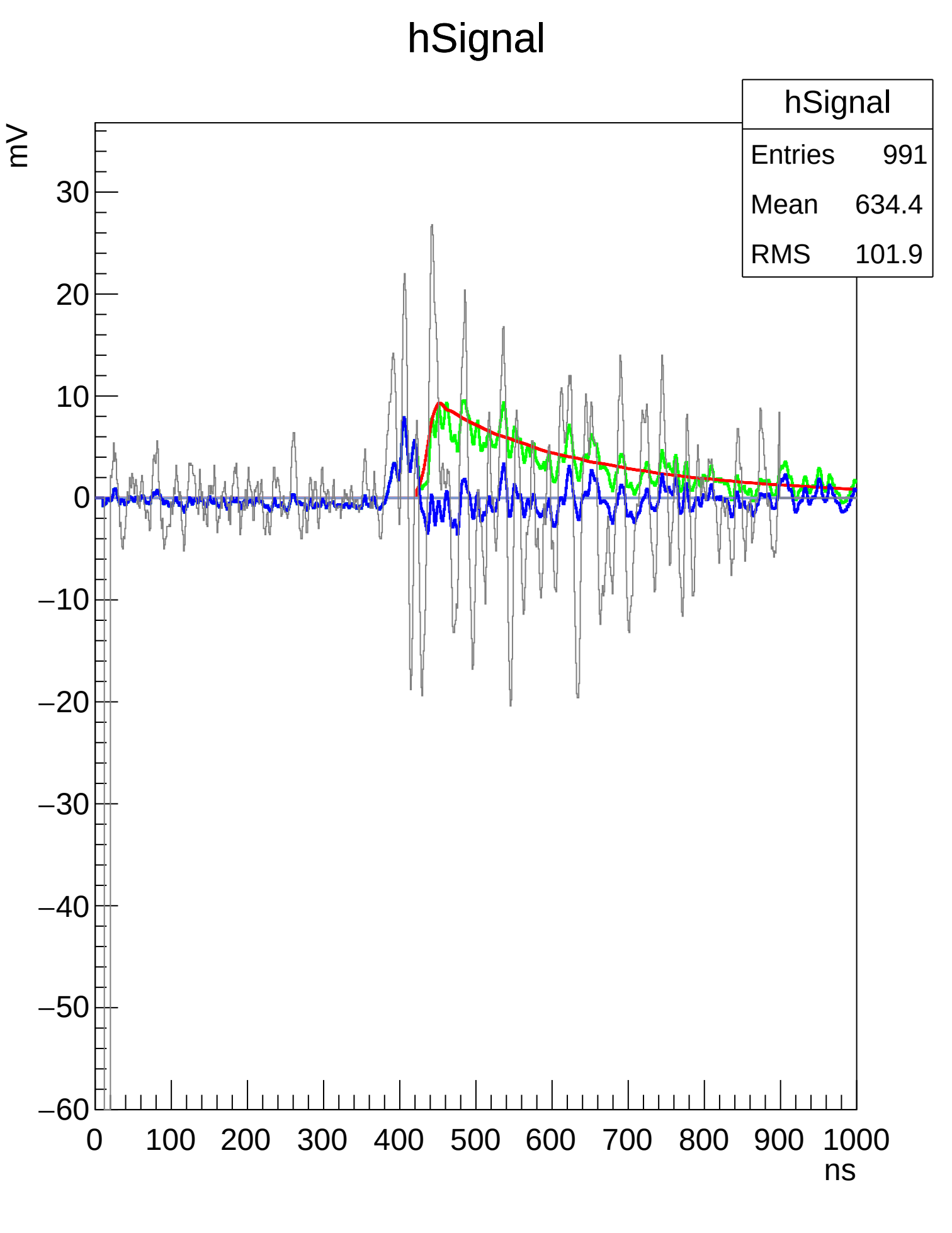

hSignal
hSignal
Entries 991
Mean 620.1
RMS 123.6
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

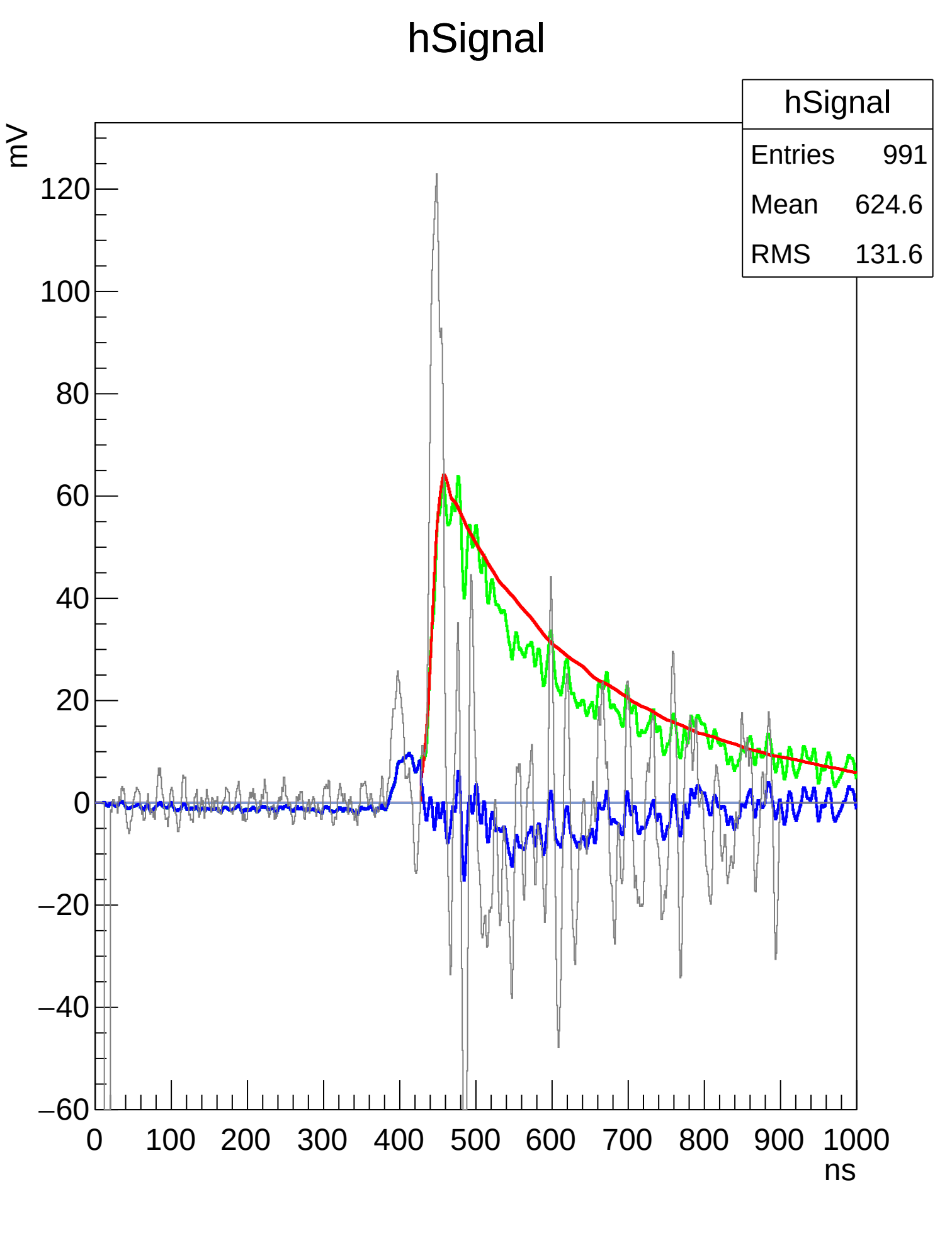

hSignal
hSignal
Entries 991
Mean 569.3
RMS 142.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

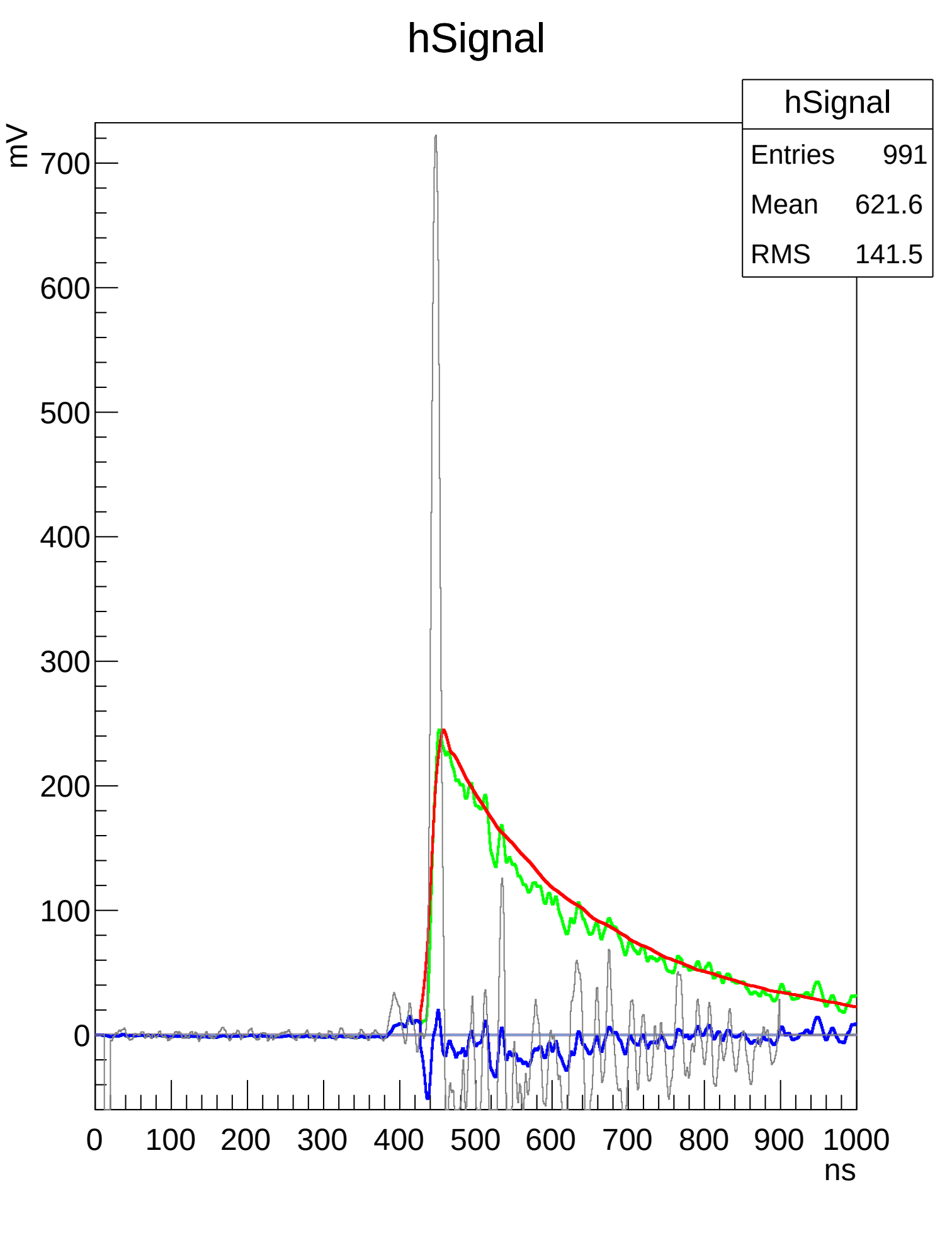

hSignal
hSignal
Entries 991
Mean 635
RMS 155.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

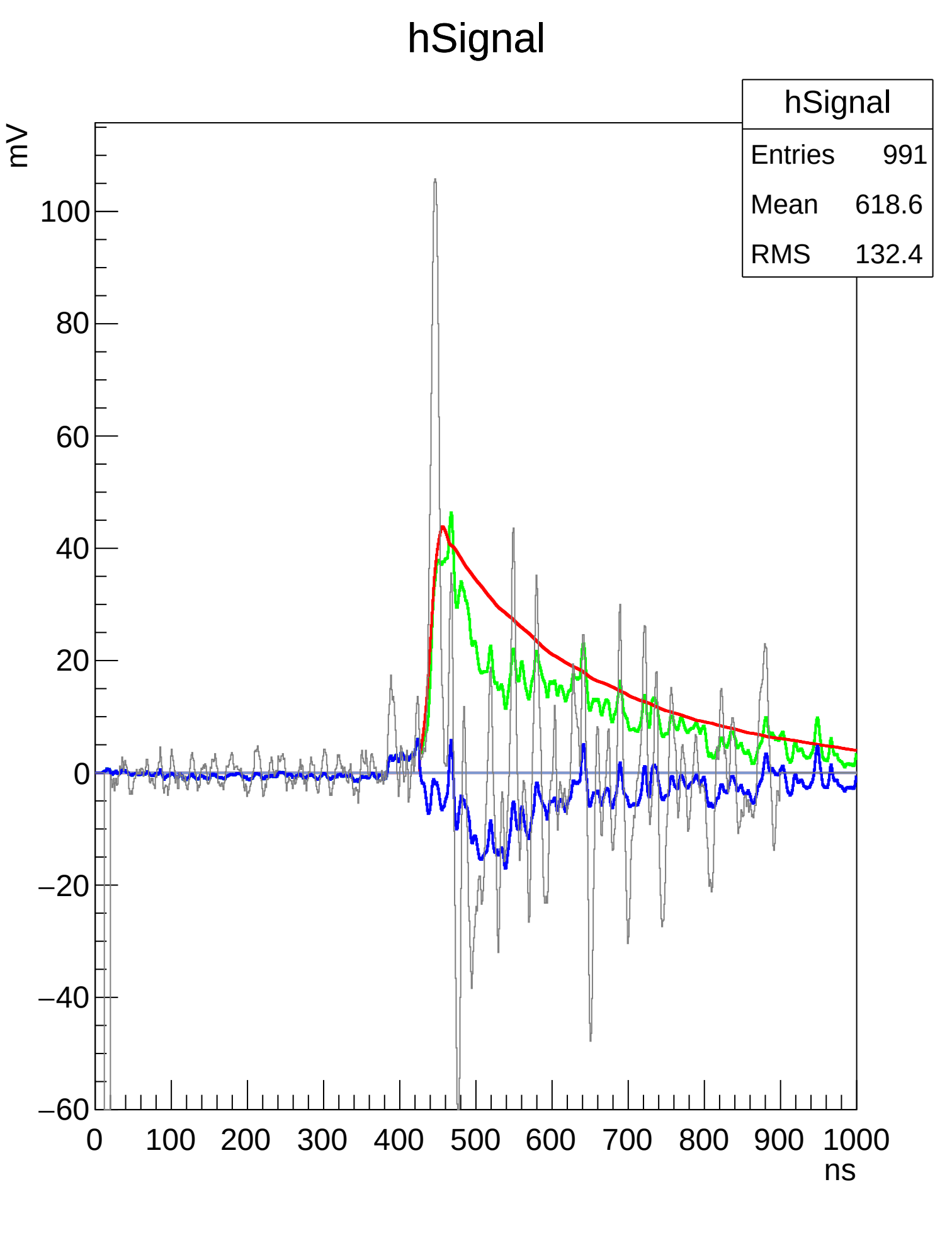

hSignal
hSignal
Entries 991
Mean 611.4
RMS 131.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

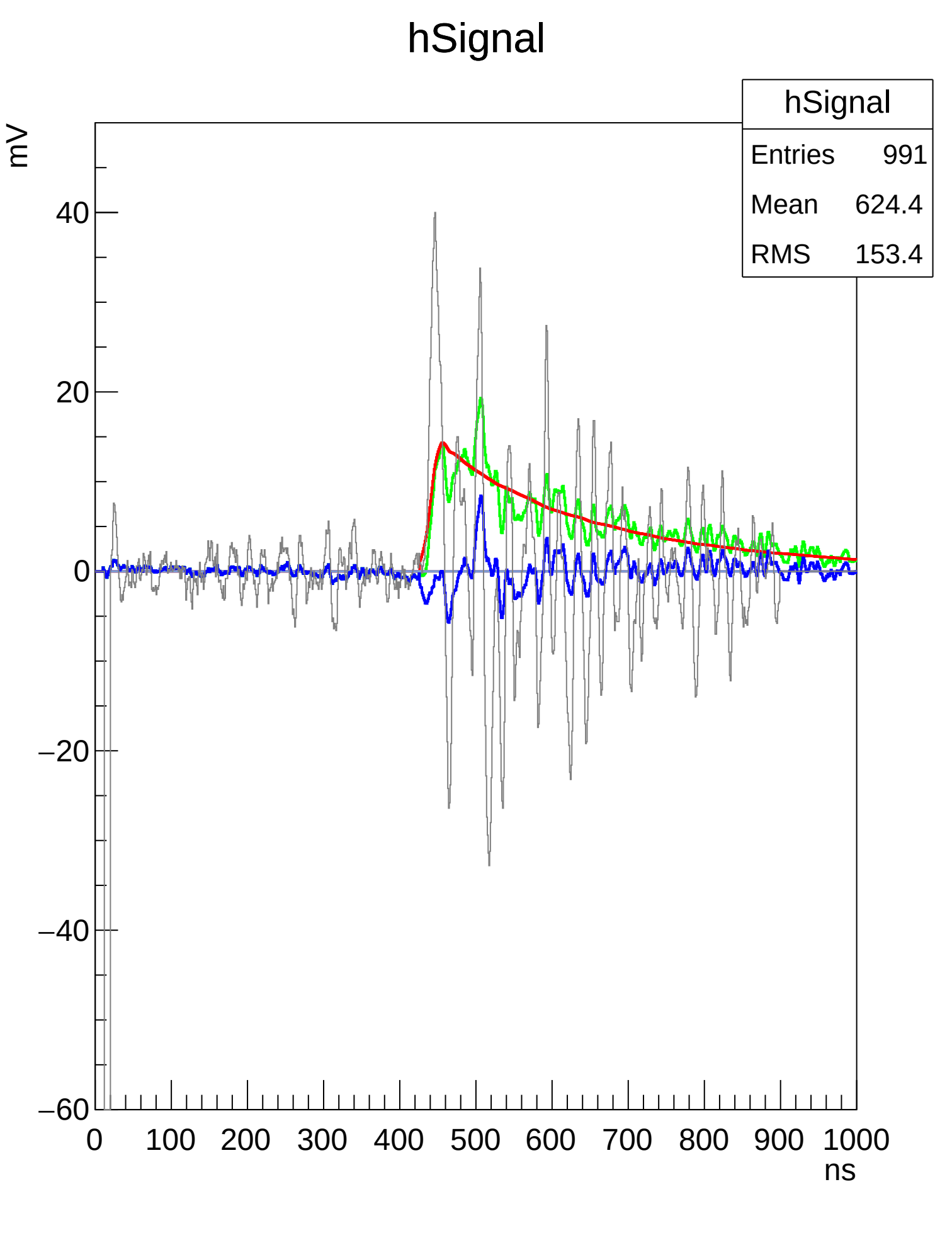

hSignal
hSignal
Entries 991
Mean 620.8
RMS 151.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

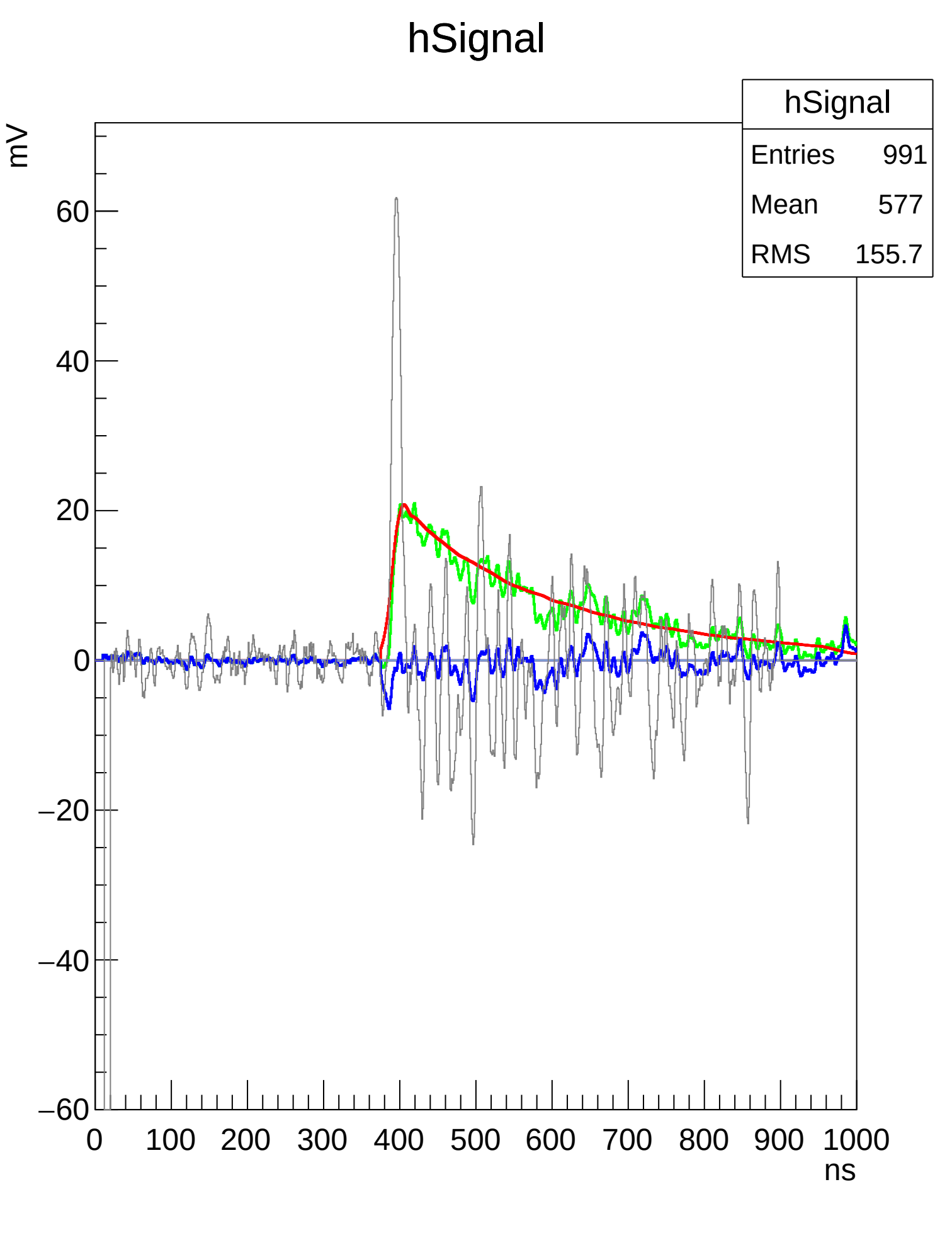

hSignal
hSignal
Entries 991
Mean 634.4
RMS 101.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

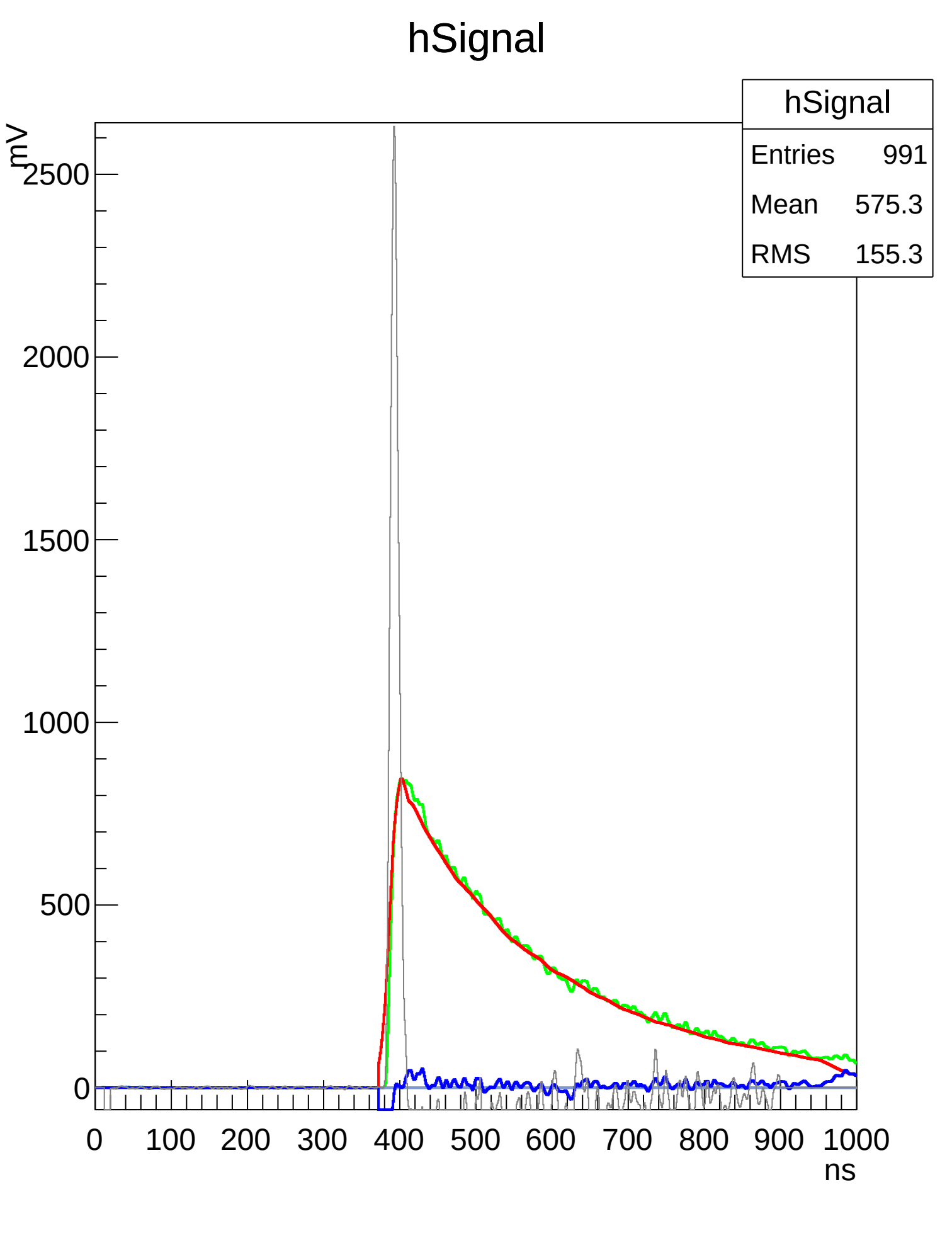

hSignal
hSignal
Entries 991
Mean 624.6
RMS 131.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

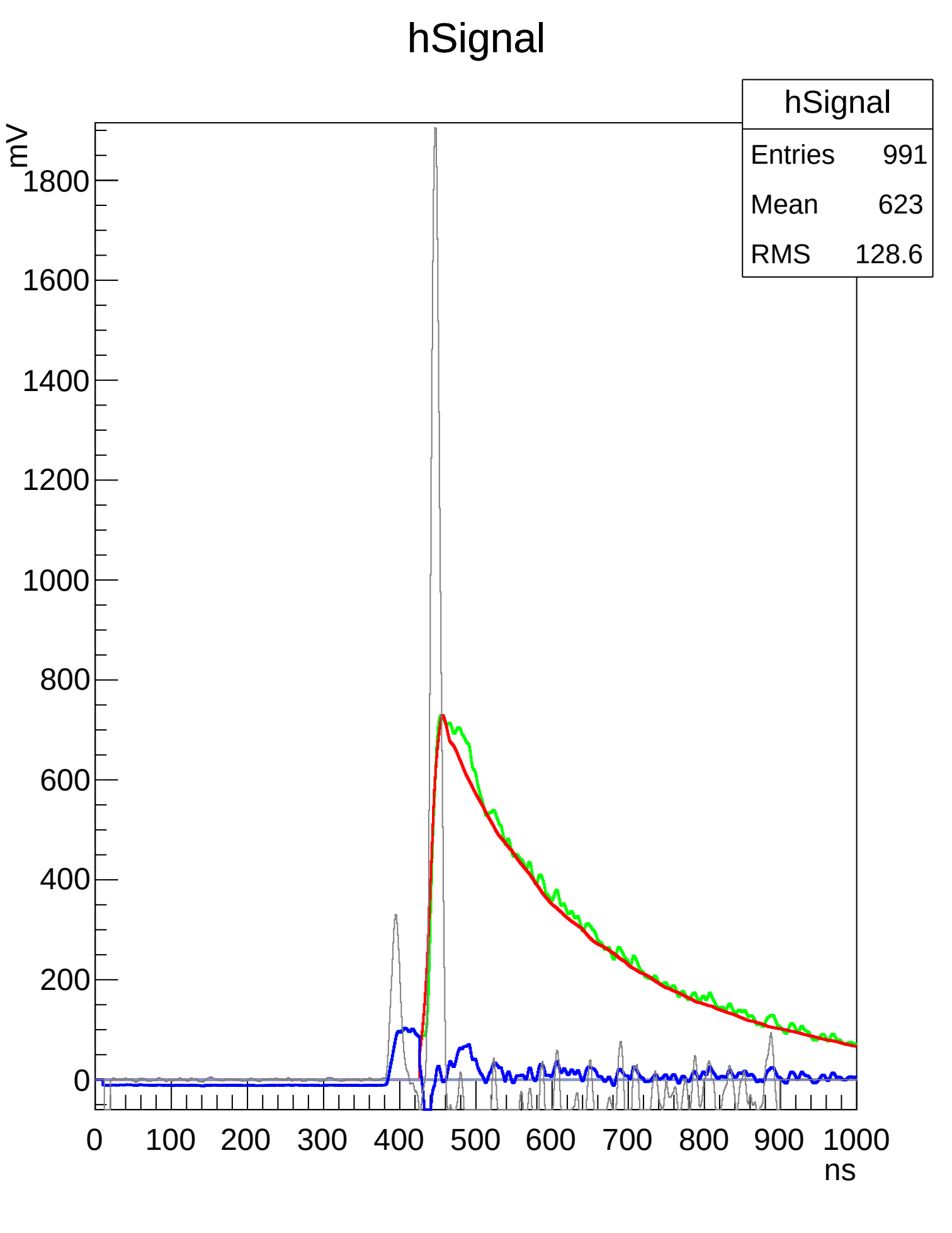

hSignal
hSignal
Entries 991
Mean 621.6
RMS 141.5
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

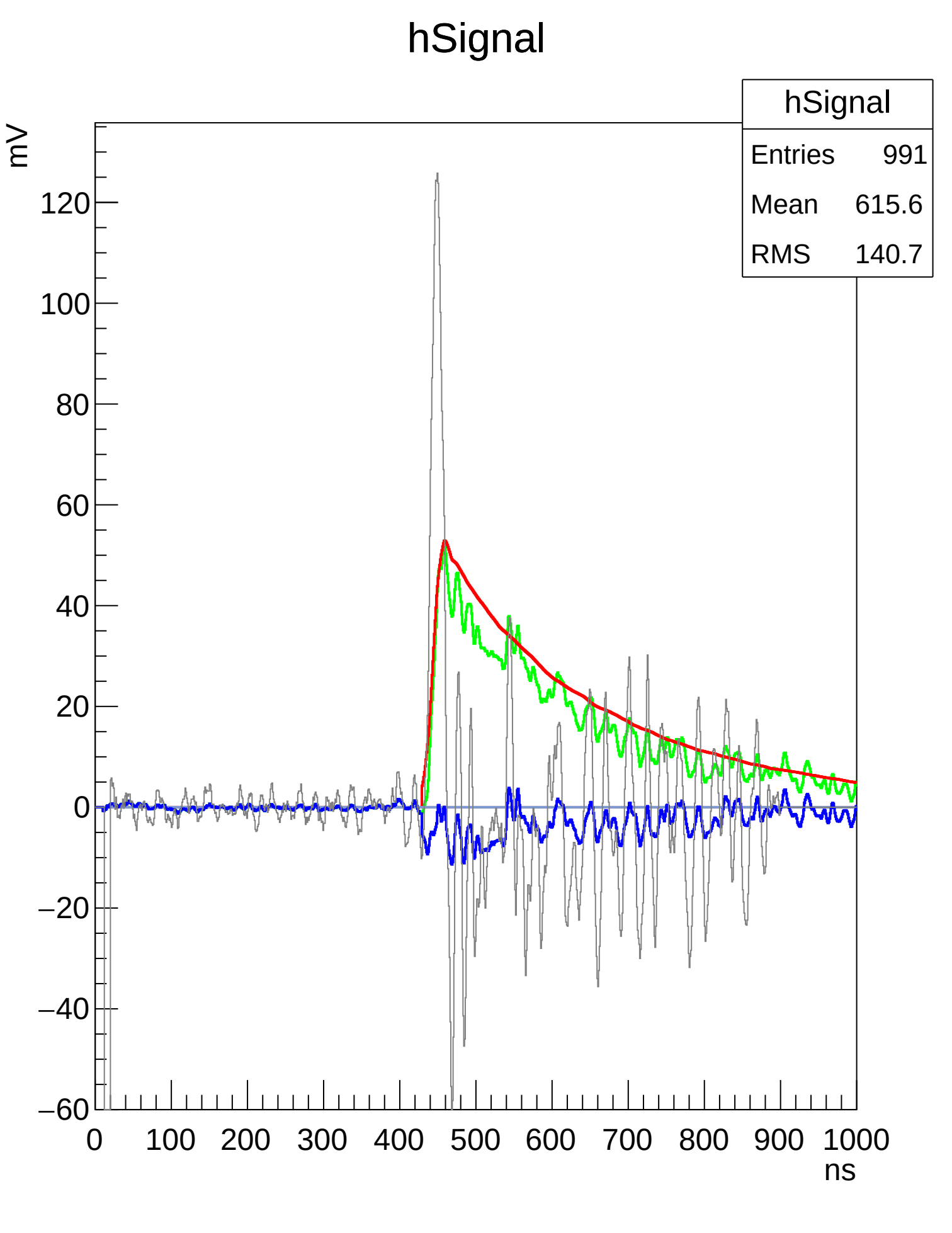

hSignal
hSignal
Entries 991
Mean 618.6
RMS 132.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

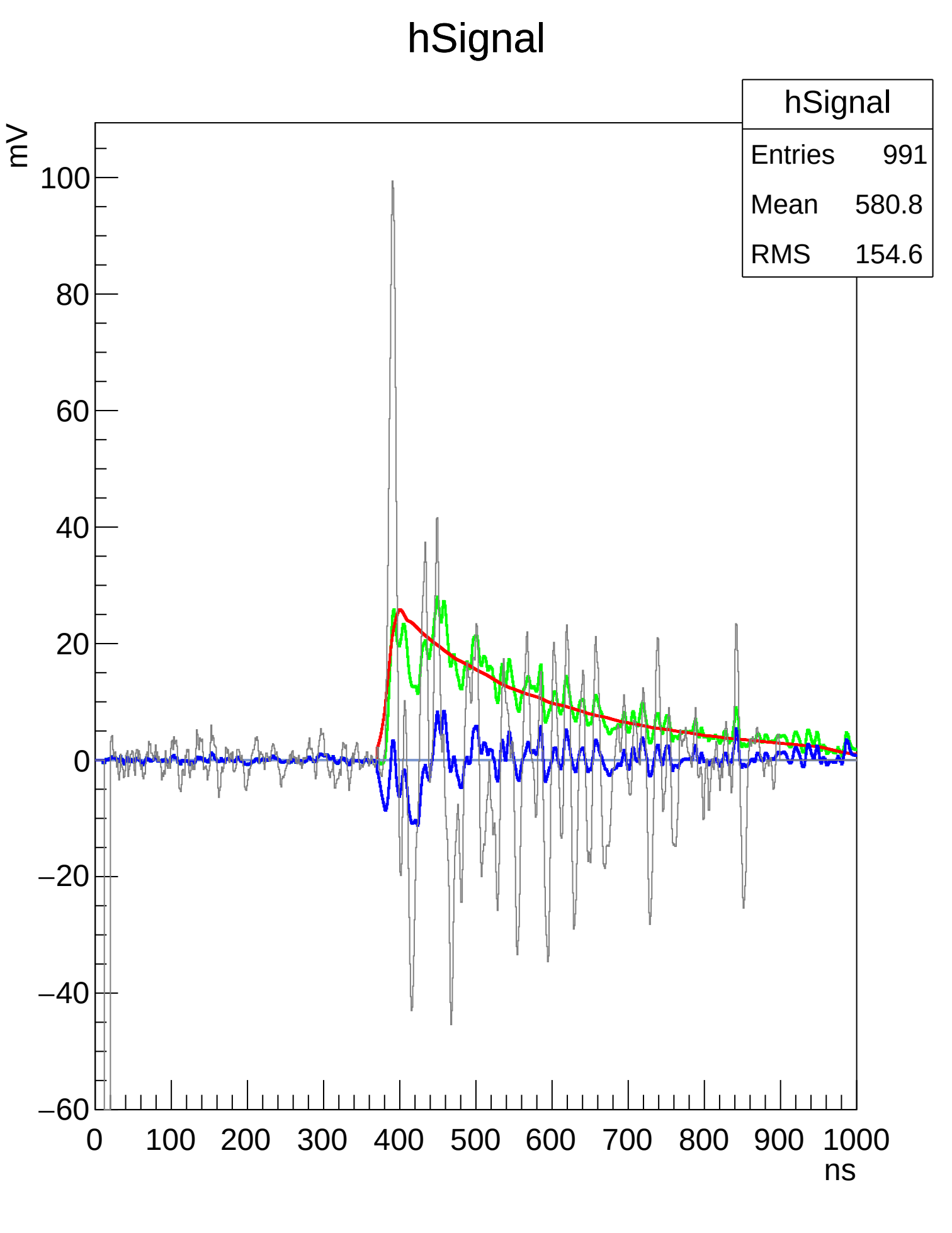

hSignal
hSignal
Entries 991
Mean 624.4
RMS 153.4
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

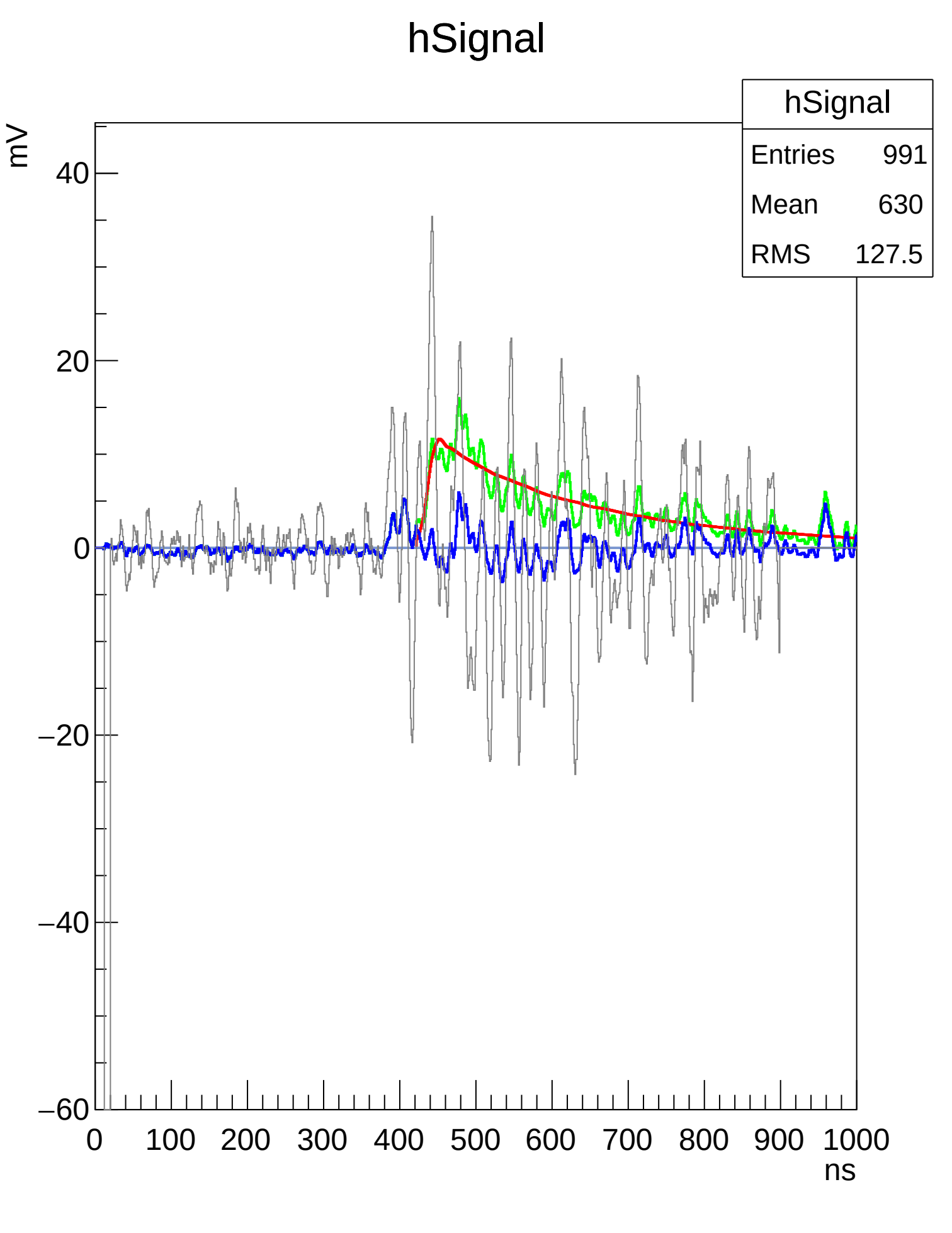

hSignal
hSignal
Entries 991
Mean 577
RMS 155.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.3
RMS 155.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623
RMS 128.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 615.6
RMS 140.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.8
RMS 154.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 630
RMS 127.5
mV
40
20
0
−20
−40
−60
0
100
200
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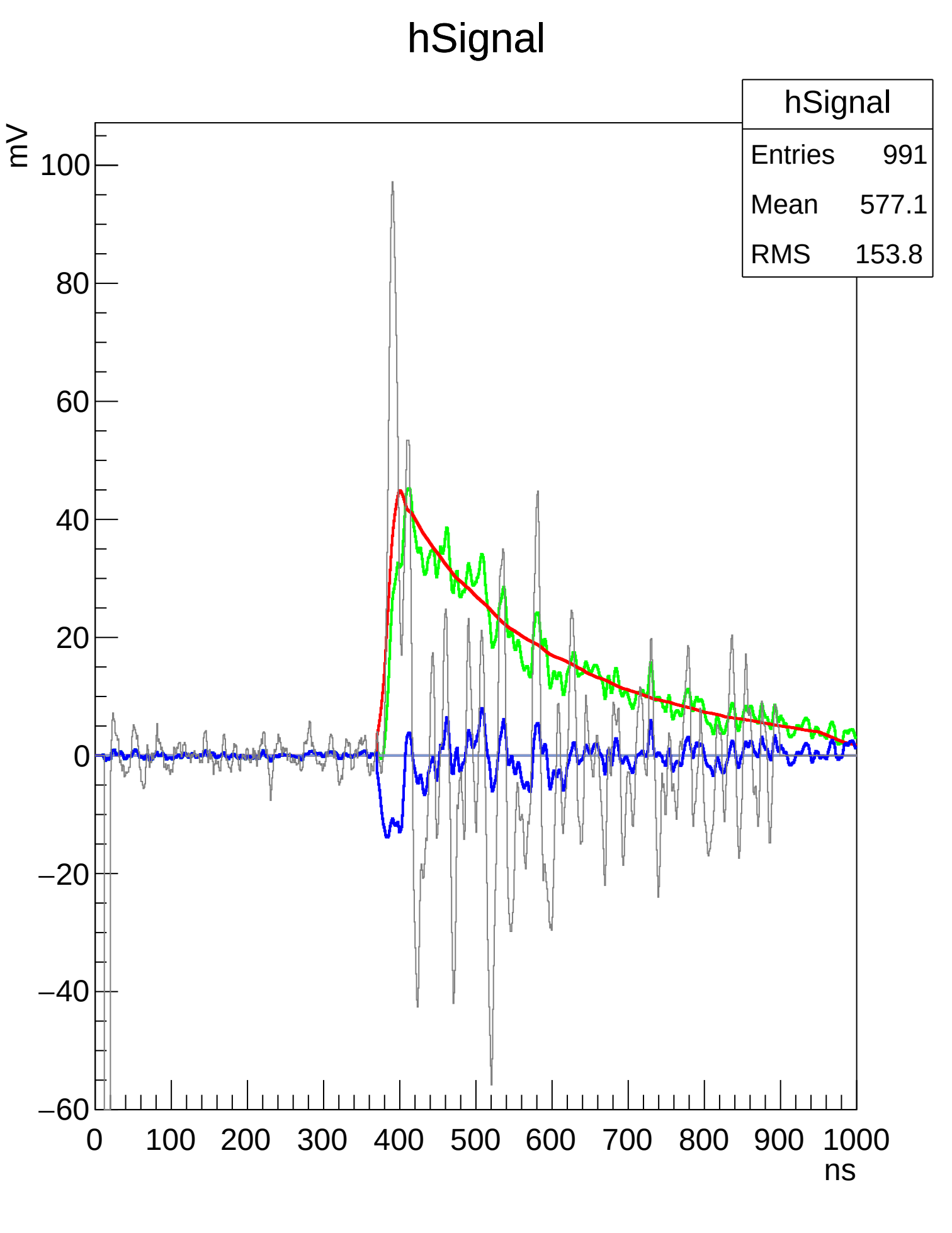
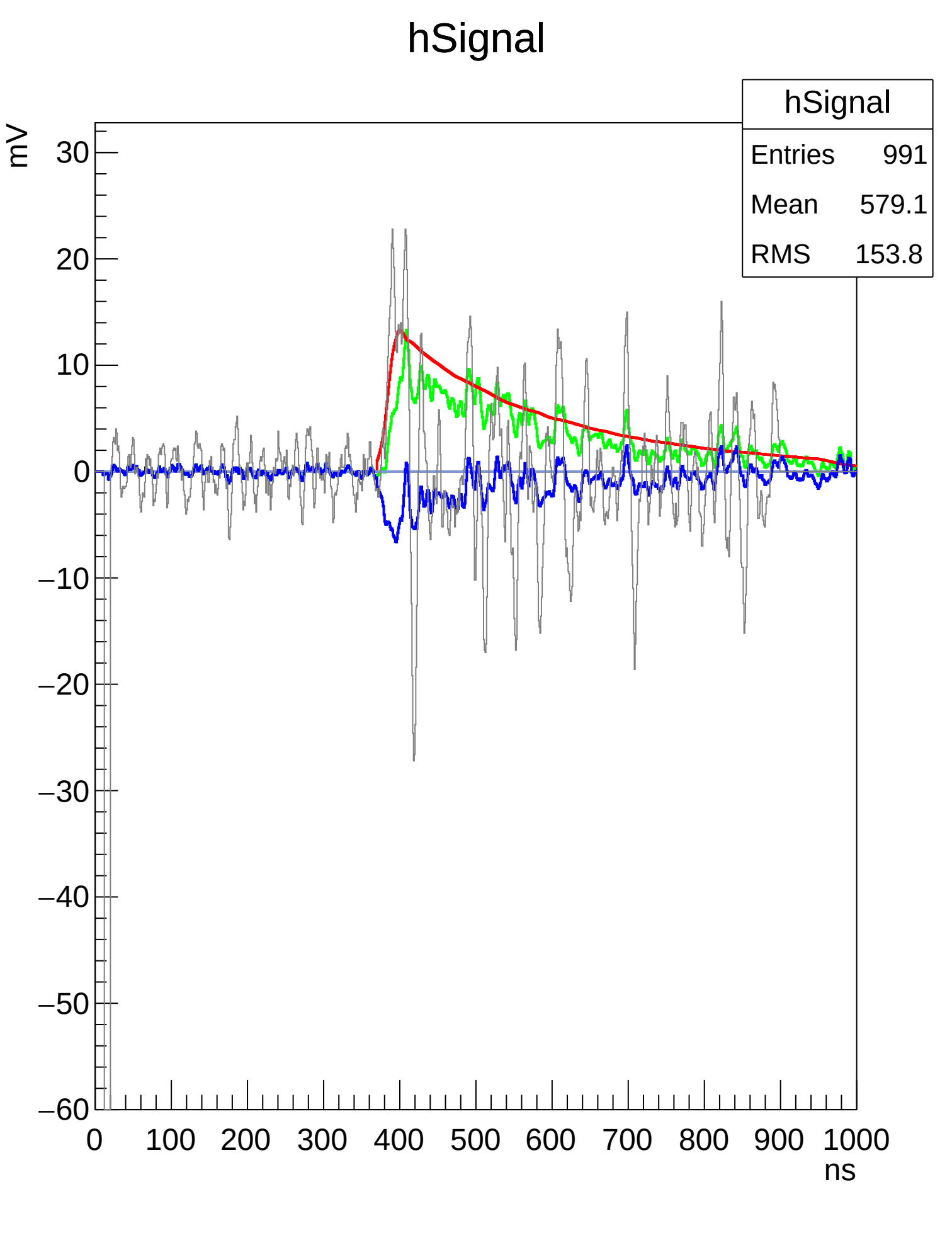
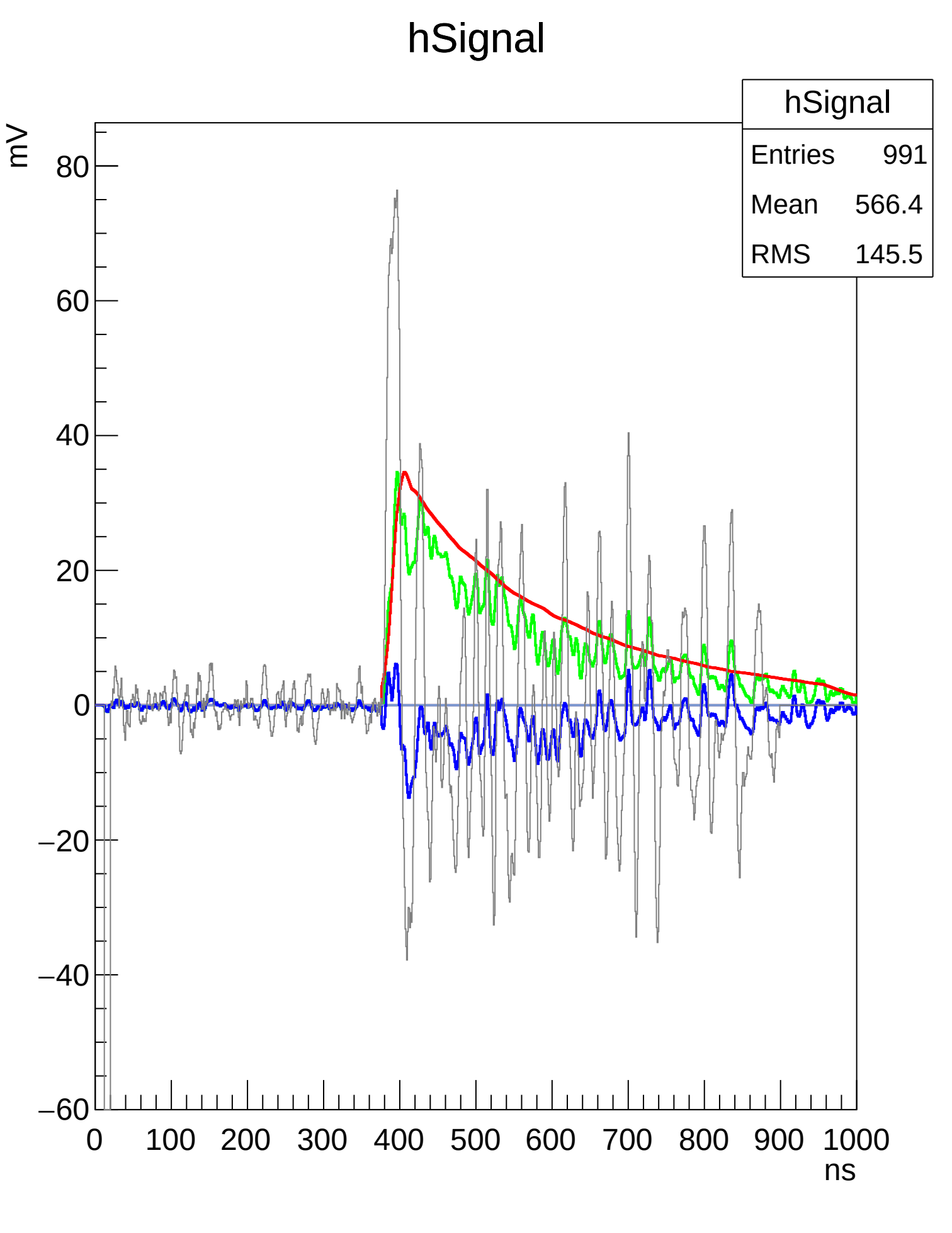
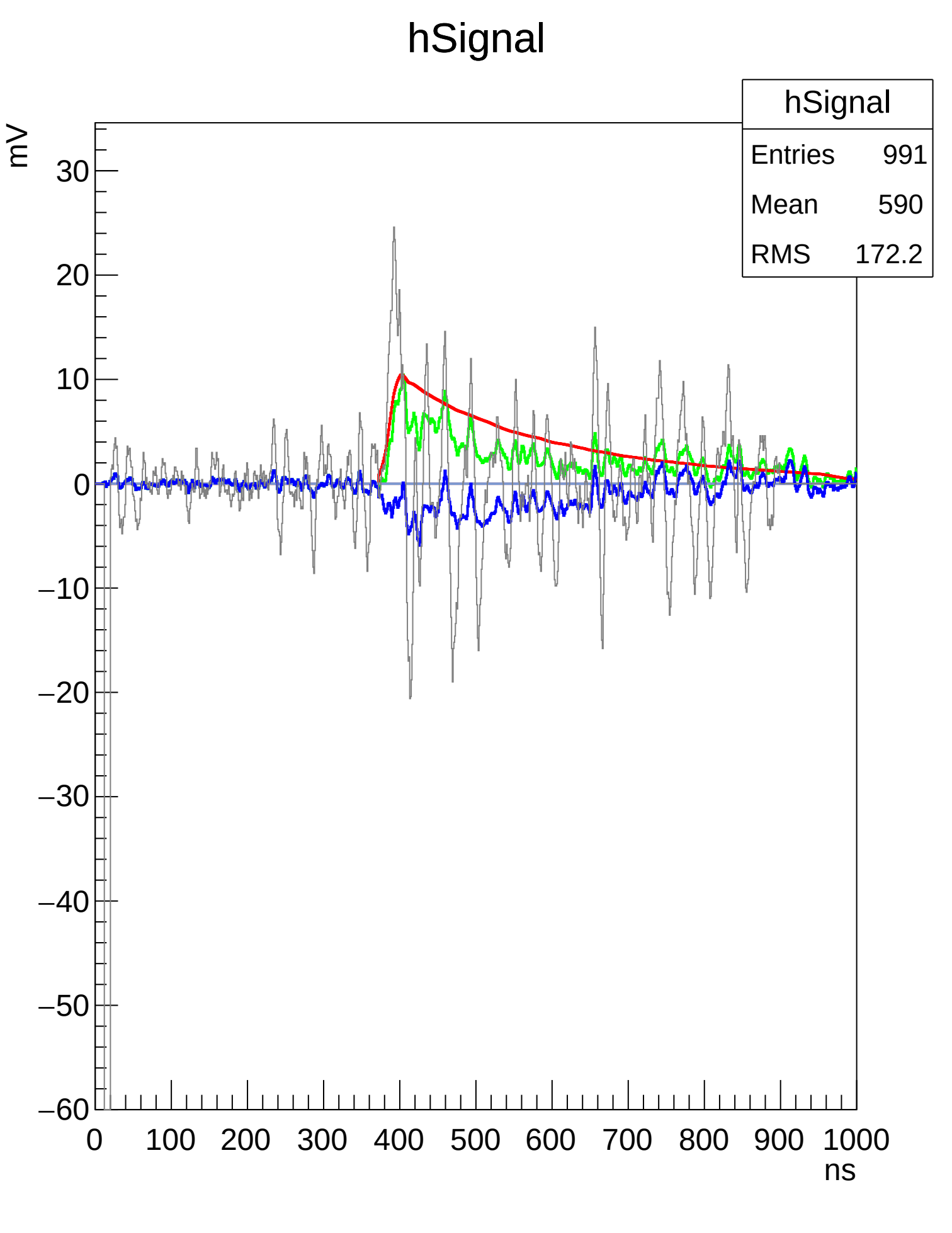
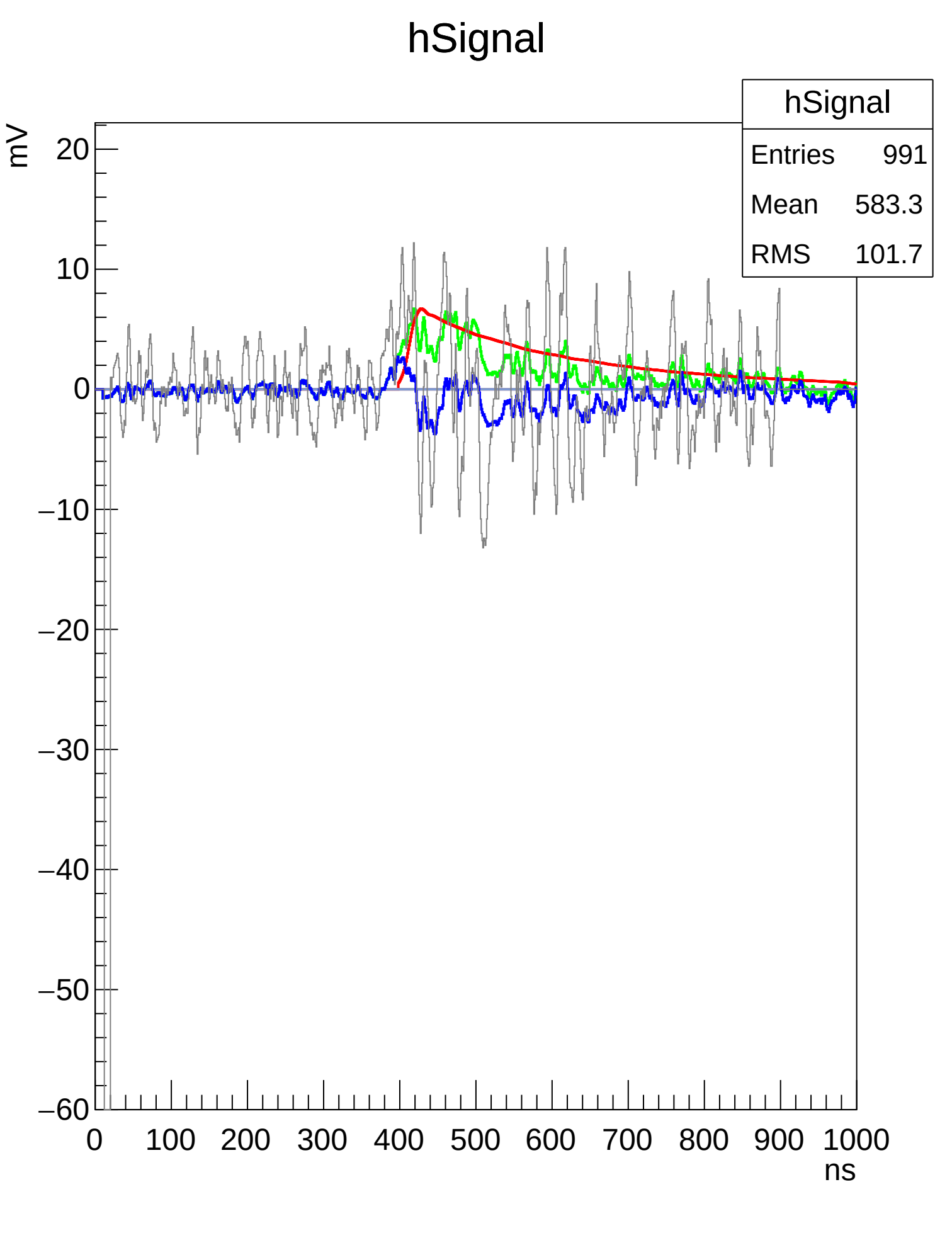
600
700
800
900
1000
ns

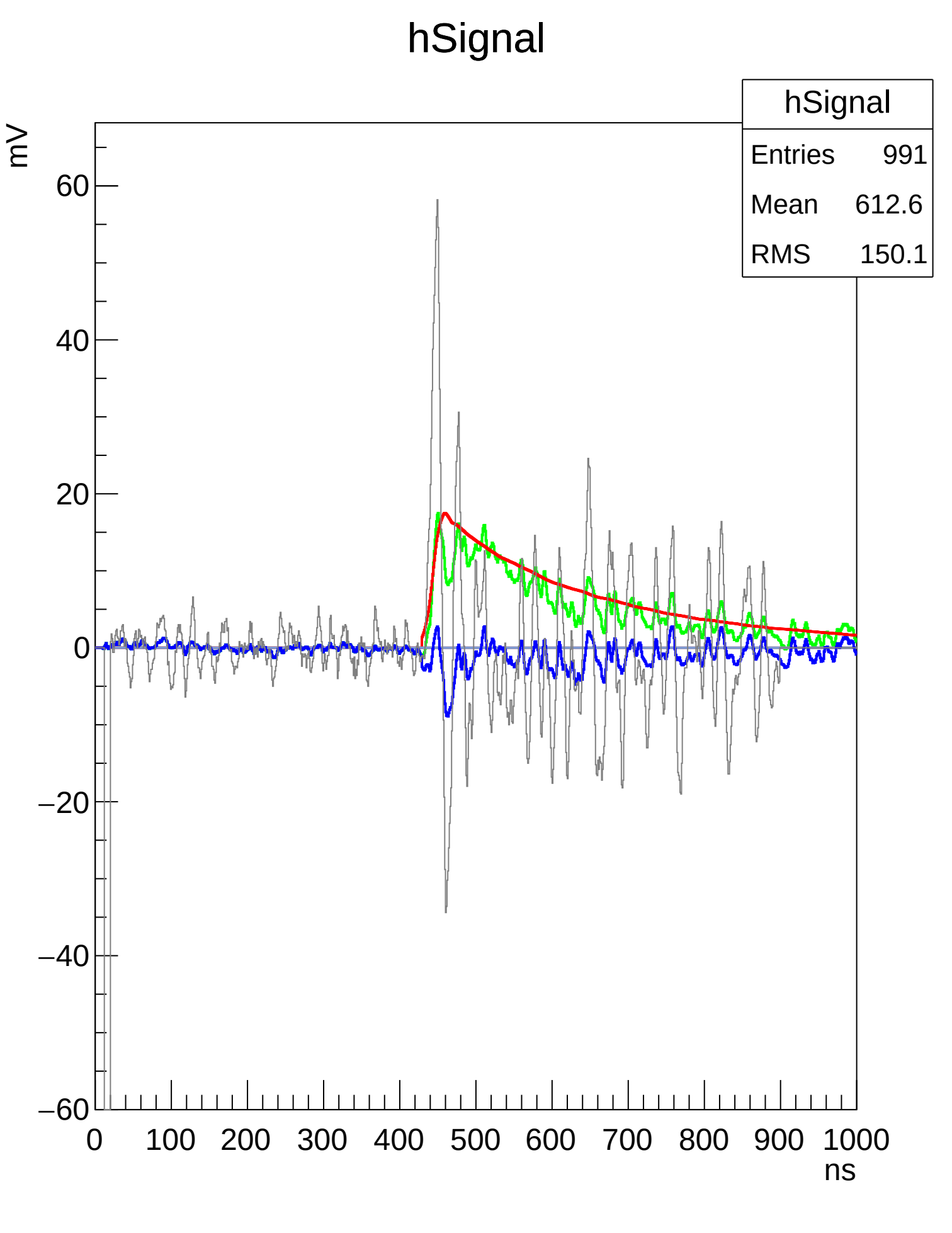

hSignal
hSignal
Entries 991
Mean 577.1
RMS 153.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.1
RMS 153.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.4
RMS 145.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 172.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.3
RMS 101.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.6
RMS 150.1
mV
60
40
20
0
−20
−40
−60
0
100
200
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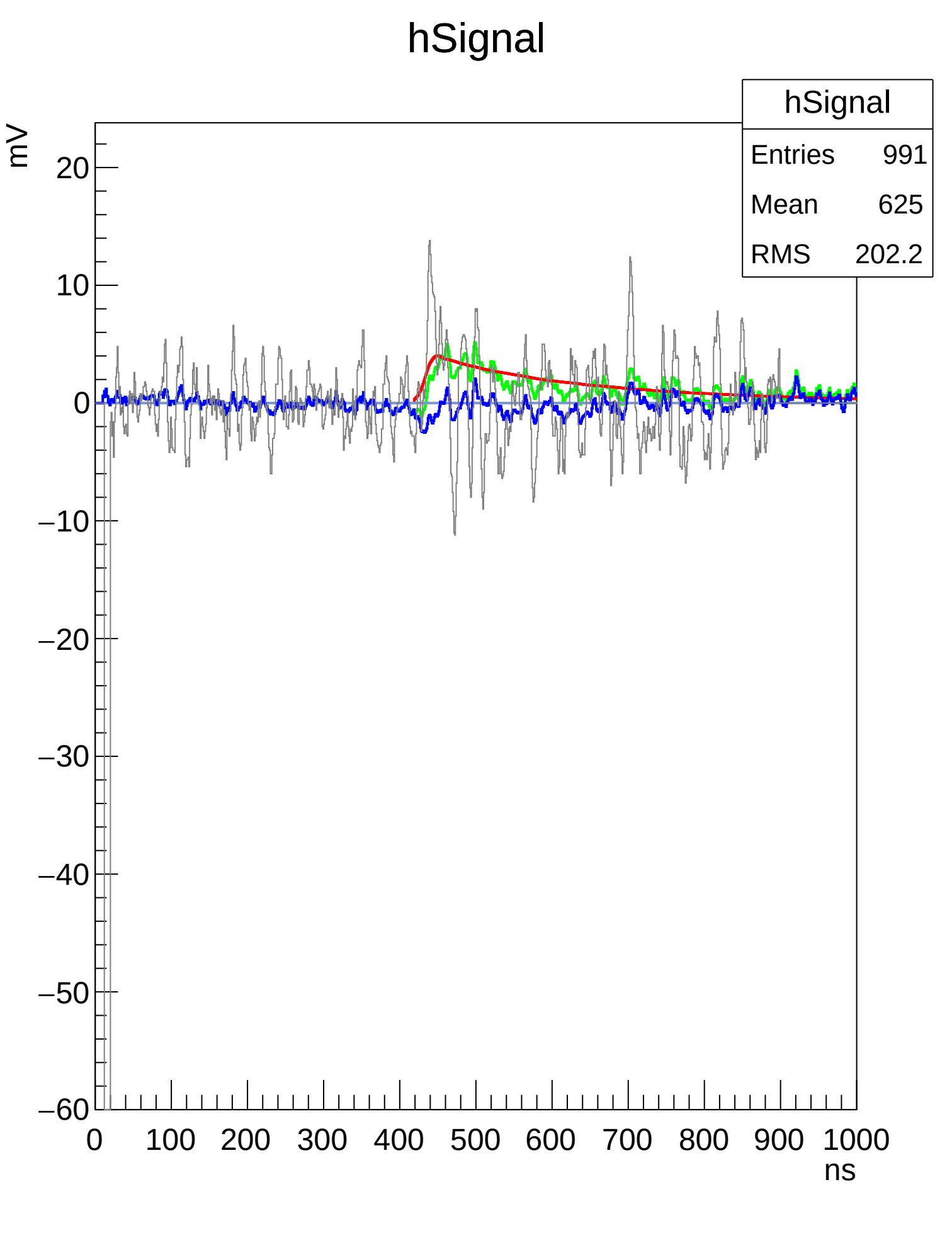
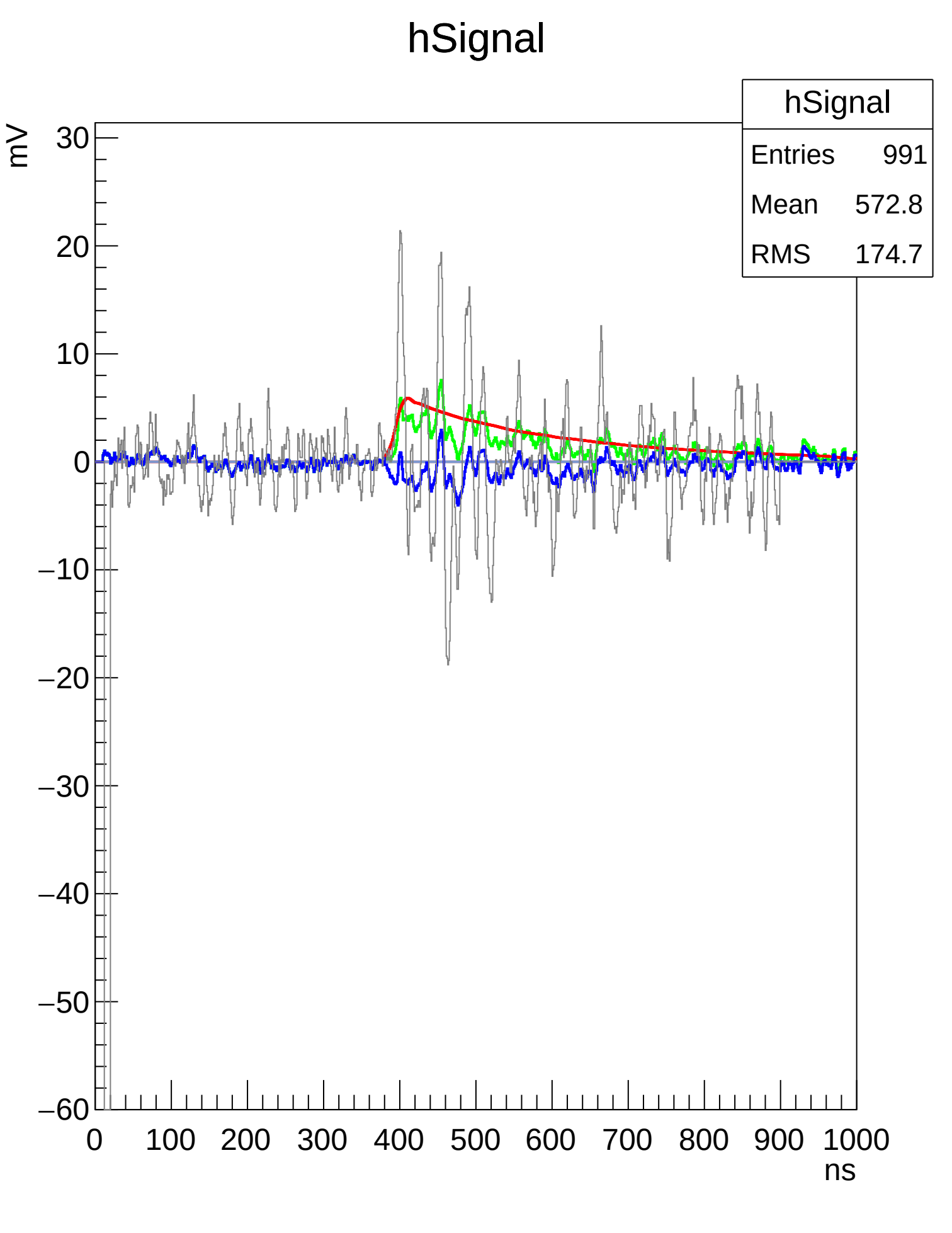
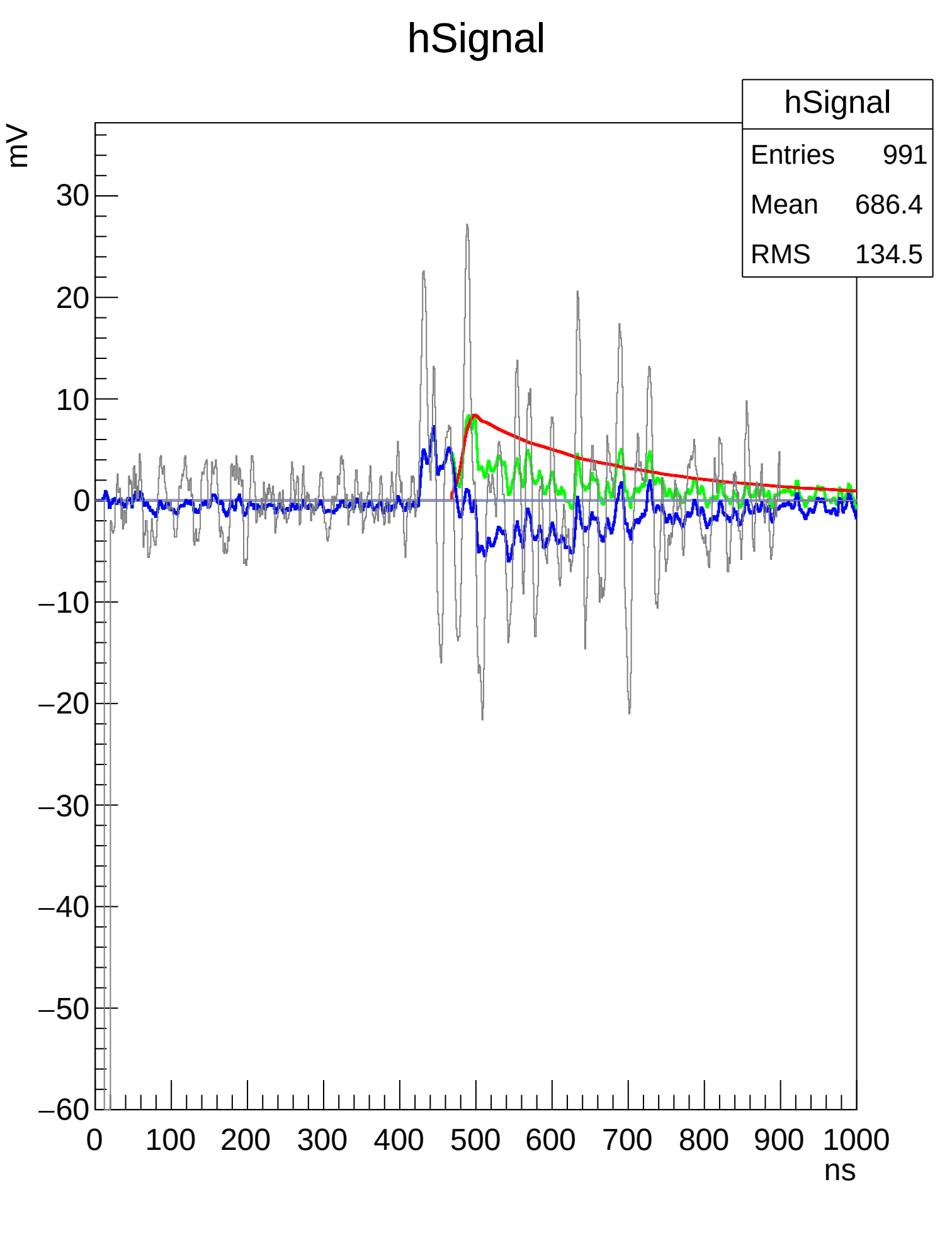
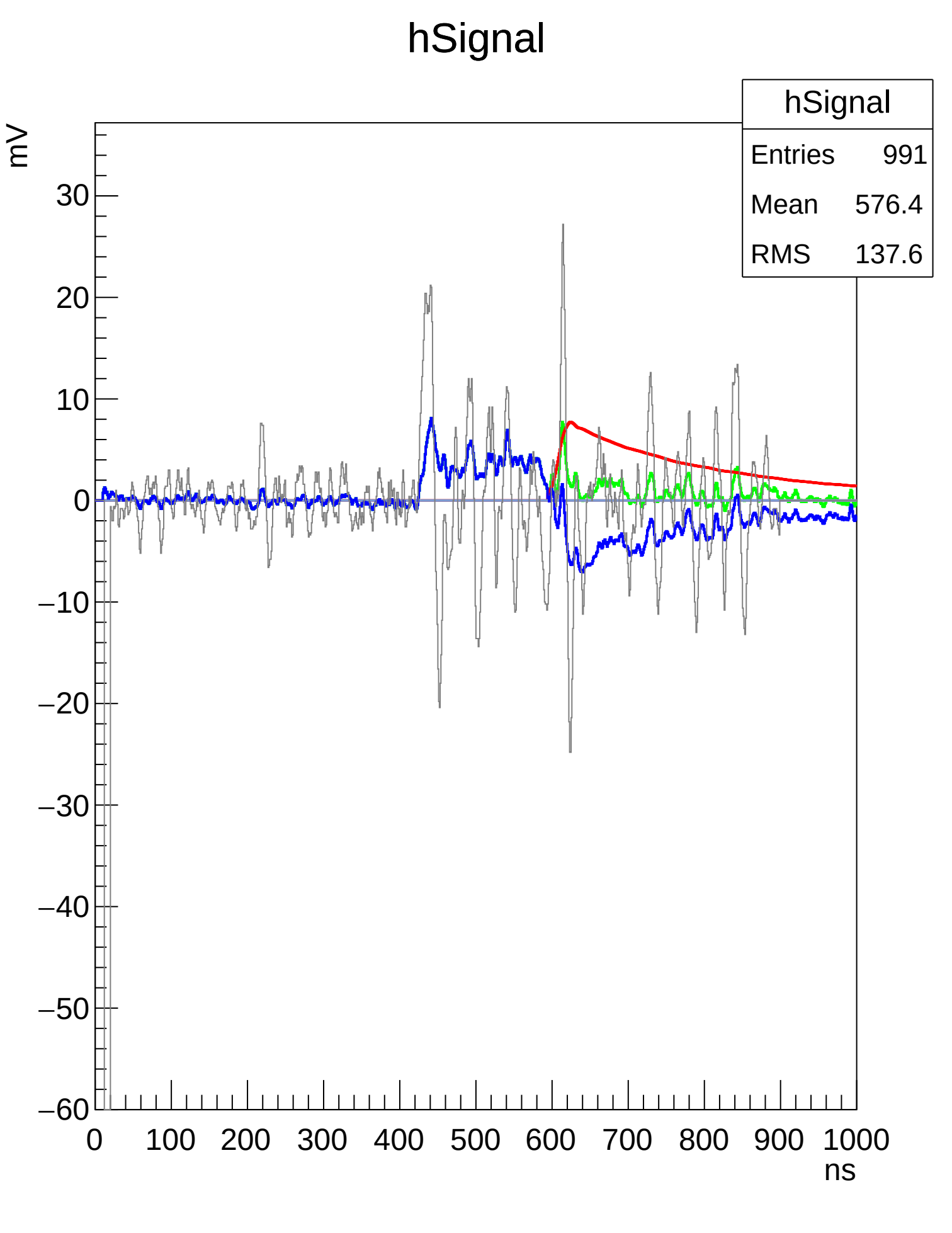
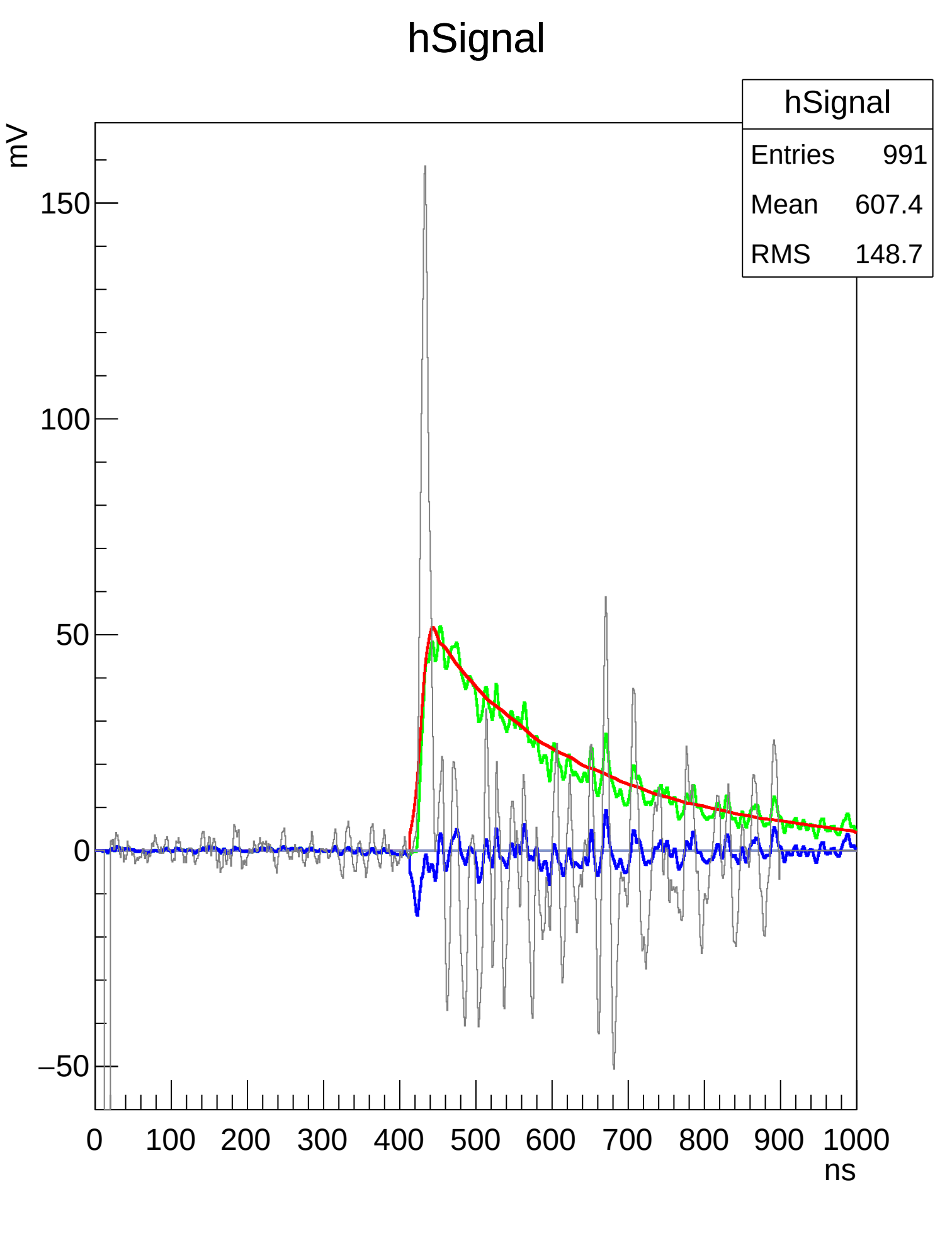
600
700
800
900
1000
ns

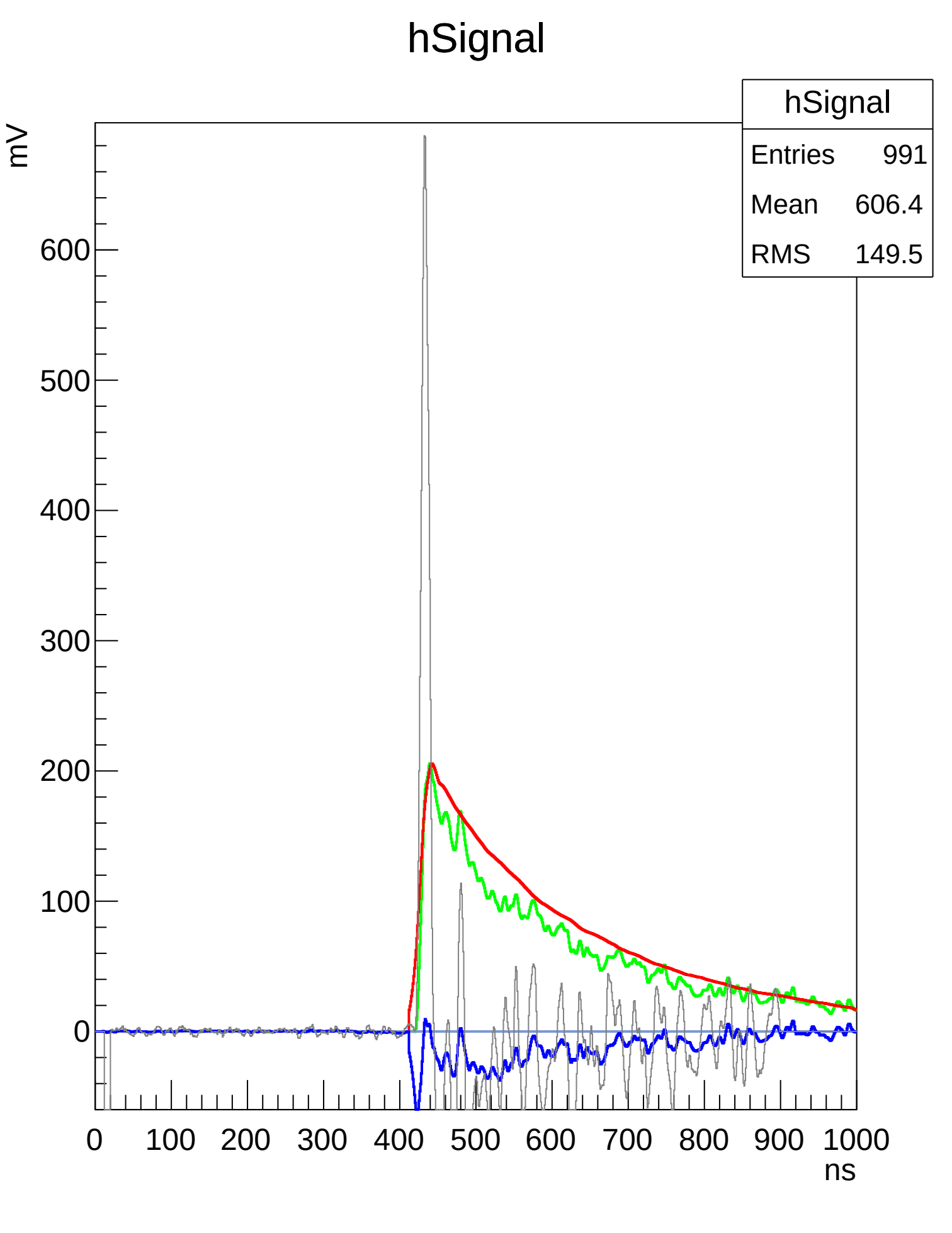

hSignal
hSignal
Entries 991
Mean 625
RMS 202.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

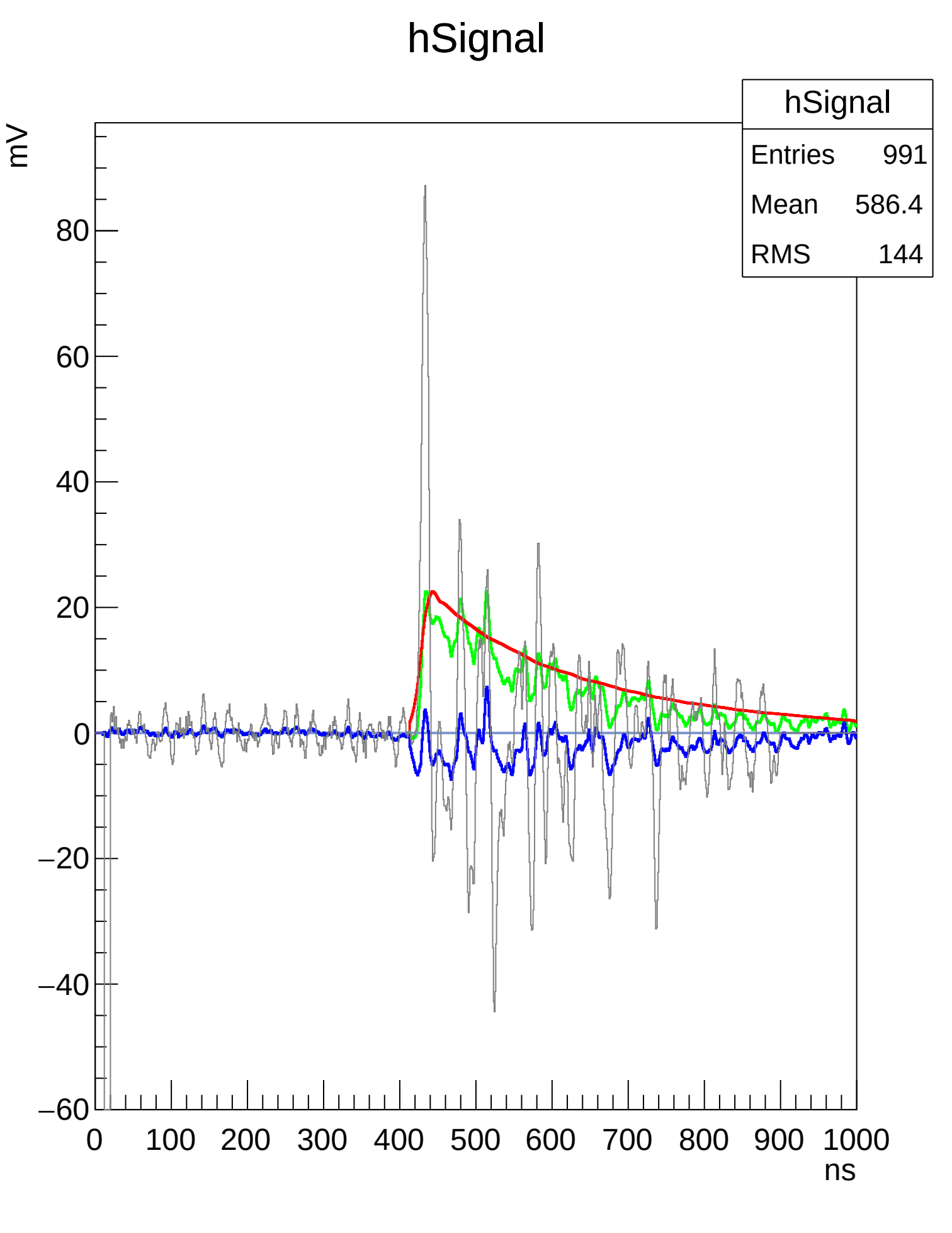

hSignal
hSignal
Entries 991
Mean 572.8
RMS 174.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

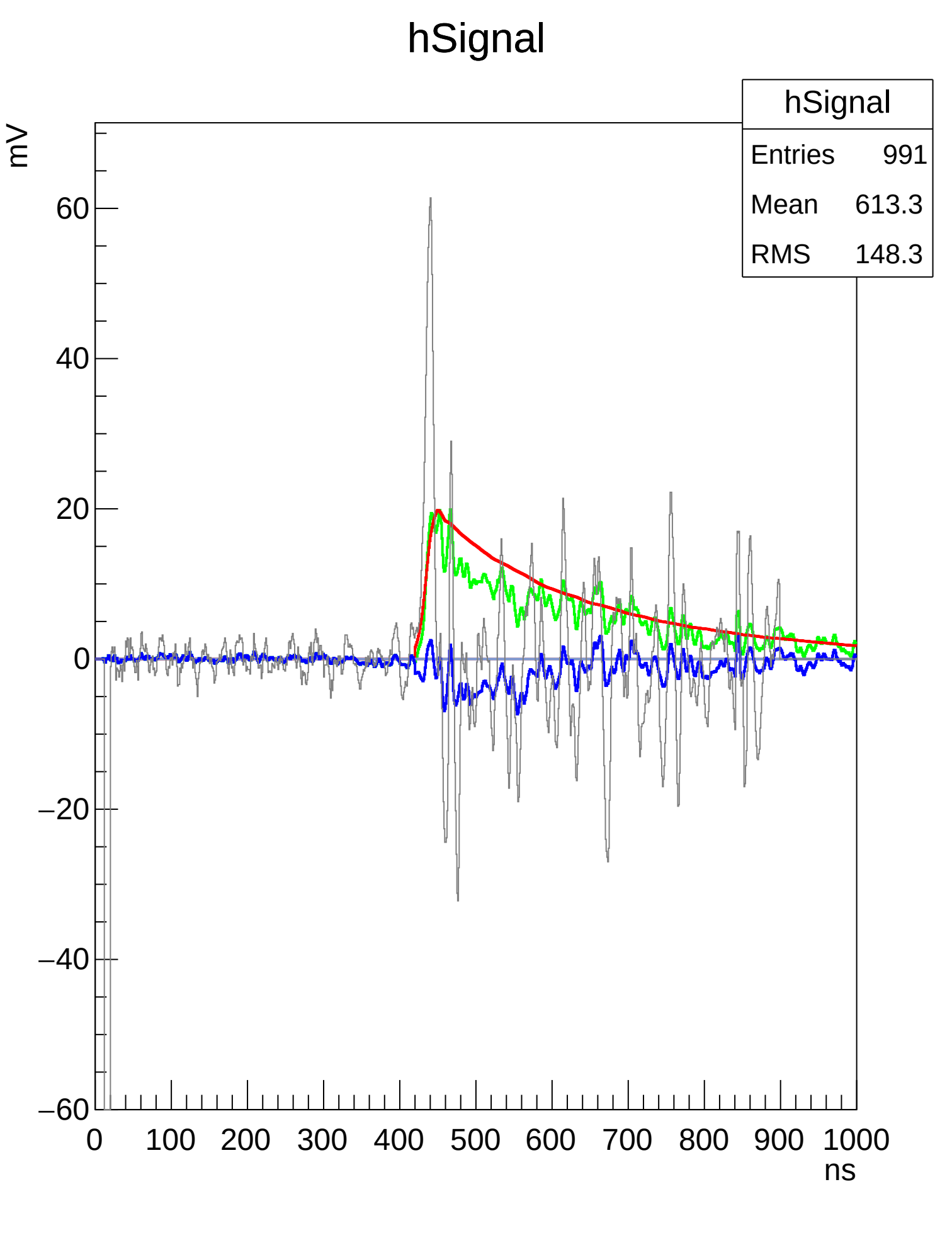

hSignal
hSignal
Entries 991
Mean 686.4
RMS 134.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

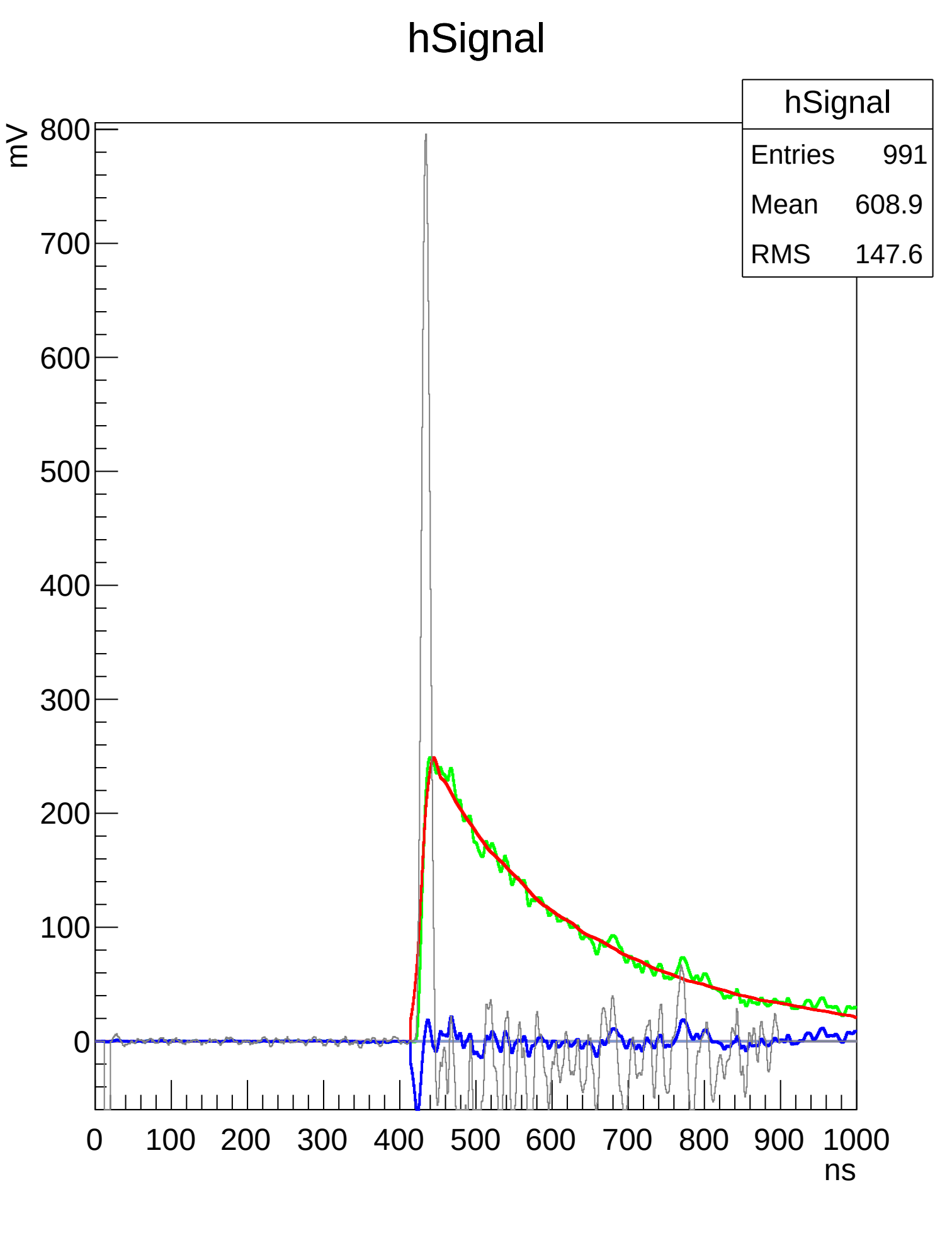

hSignal
hSignal
Entries 991
Mean 576.4
RMS 137.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

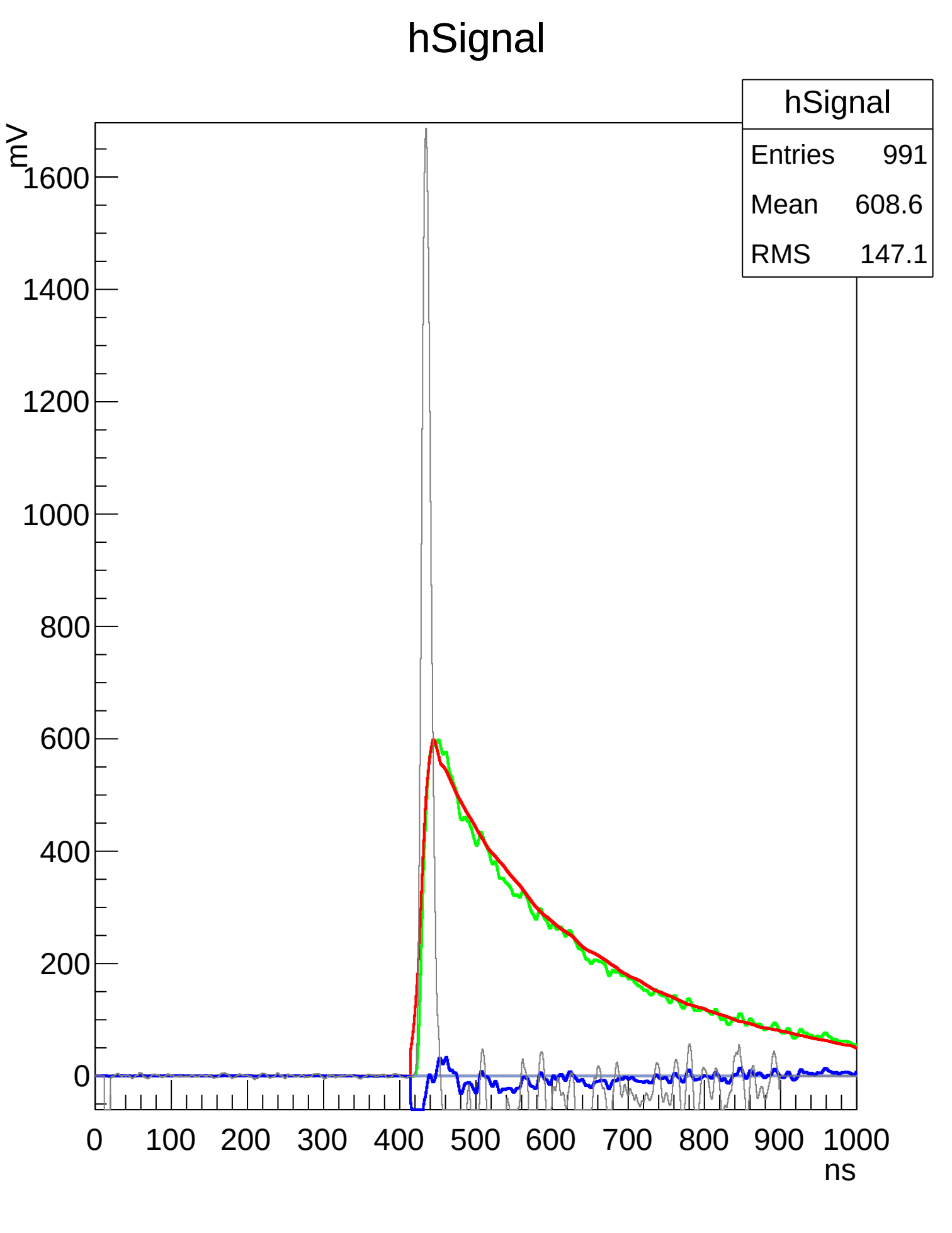

hSignal
hSignal
Entries 991
Mean 607.4
RMS 148.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

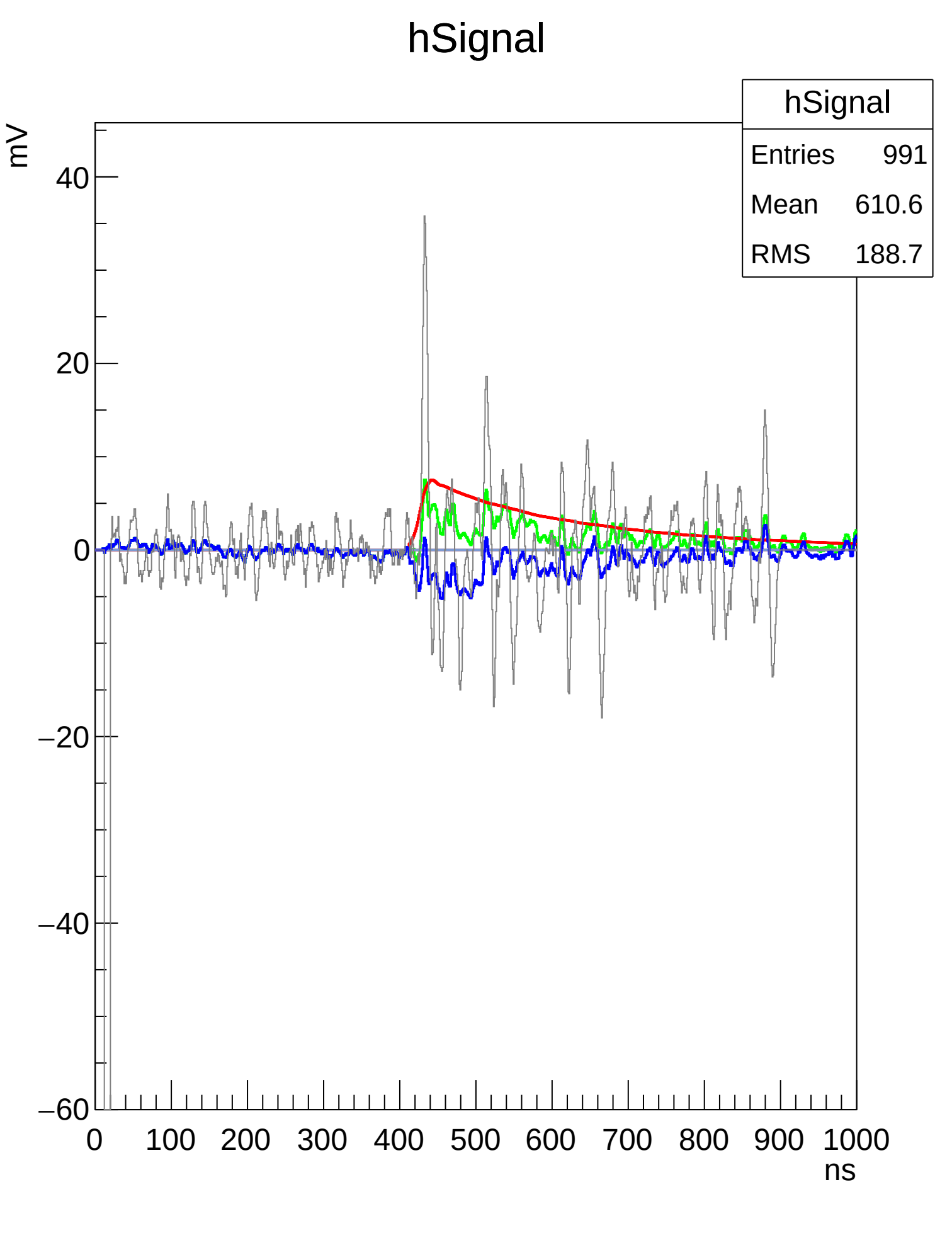

hSignal
hSignal
Entries 991
Mean 606.4
RMS 149.5
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.4
RMS 144
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.3
RMS 148.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.9
RMS 147.6
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.6
RMS 147.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.6
RMS 188.7
mV
40
20
0
−20
−40
−60
0
100
200
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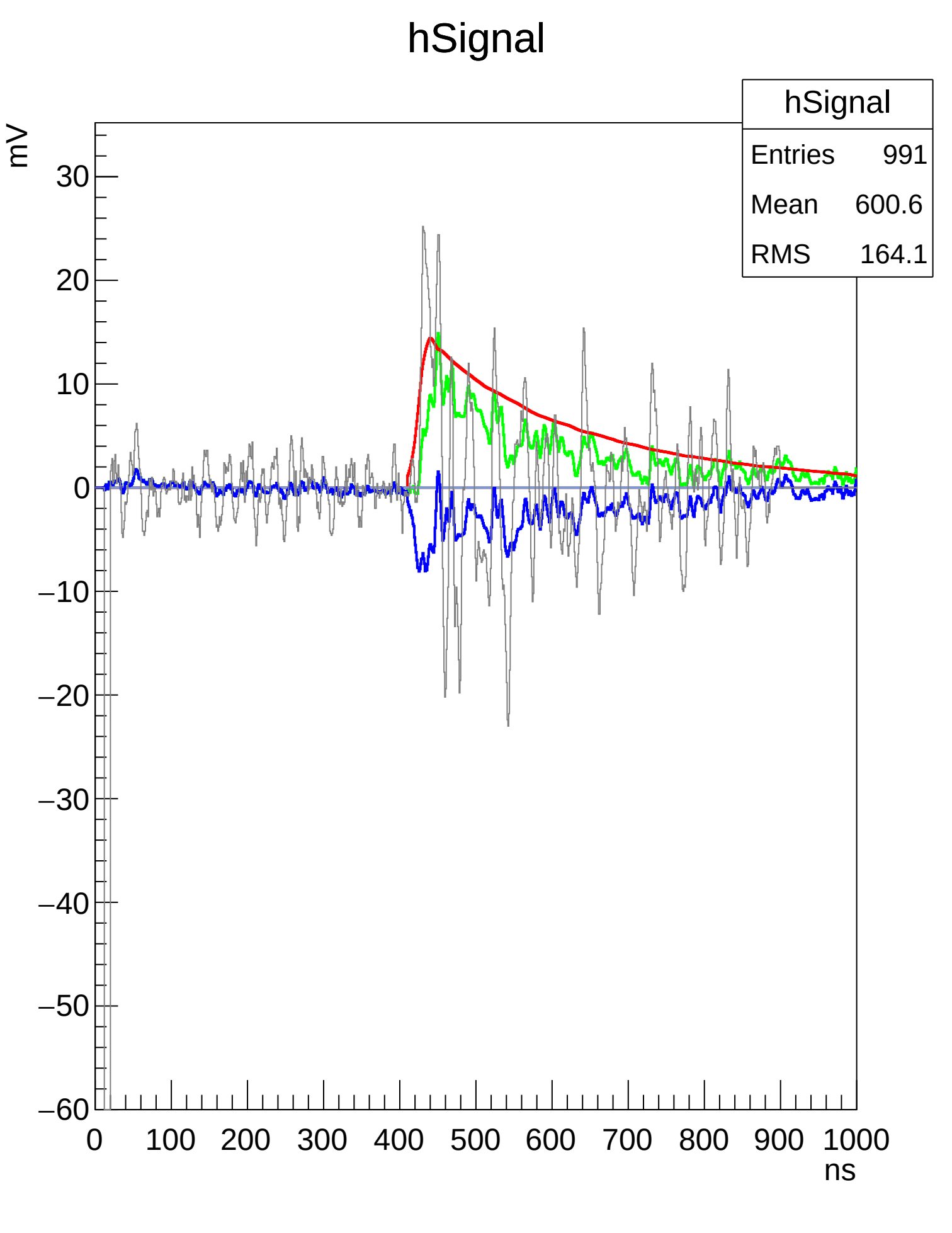
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.6
RMS 164.1
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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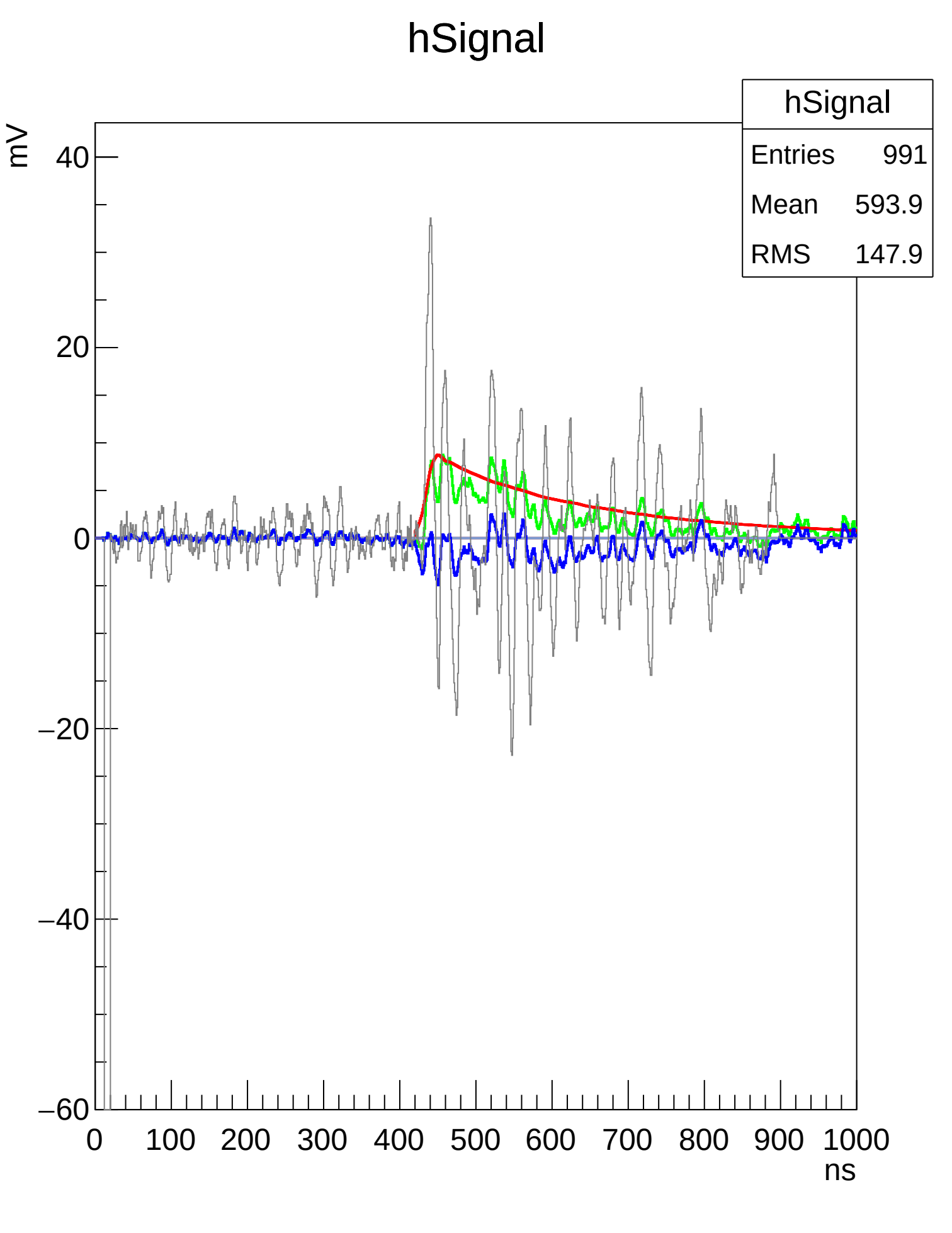
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.9
RMS 147.9
mV
40
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−20
−40
−60
0
100
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600
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800
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1000
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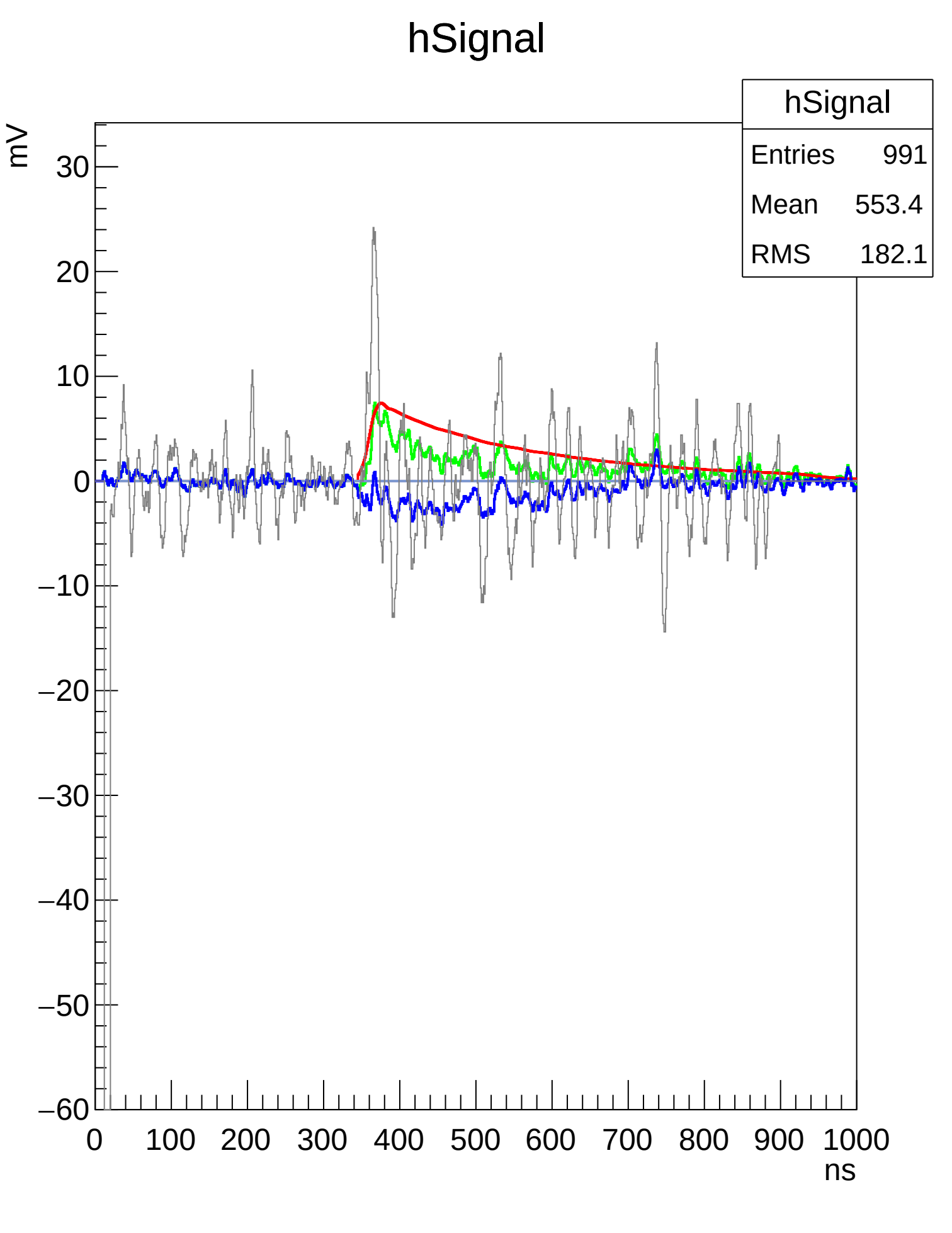
hSignal
hSignal
Entries 991
Mean 553.4
RMS 182.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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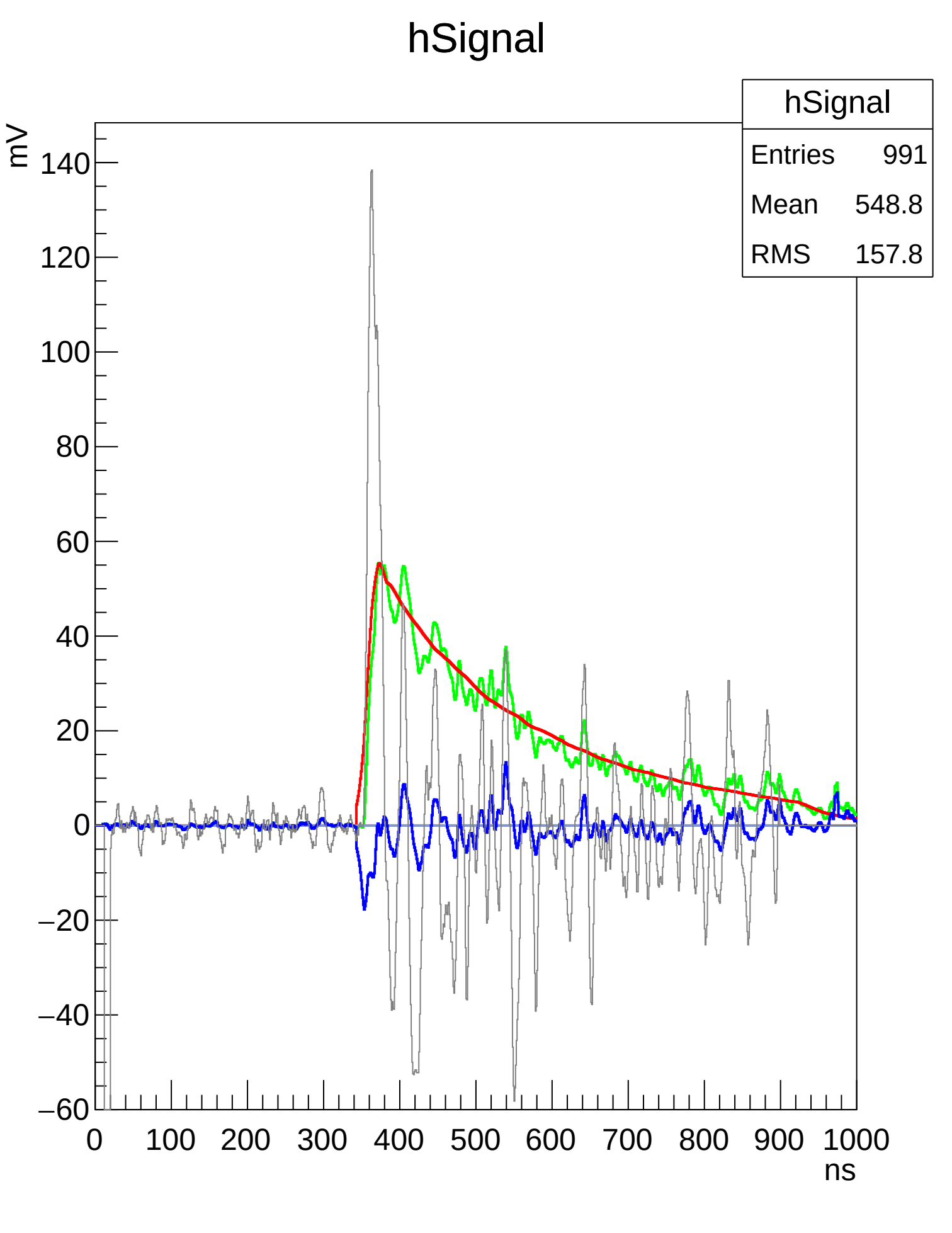
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.8
RMS 157.8
mV
140
120
100
80
60
40
20
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−20
−40
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0
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200
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400
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1000
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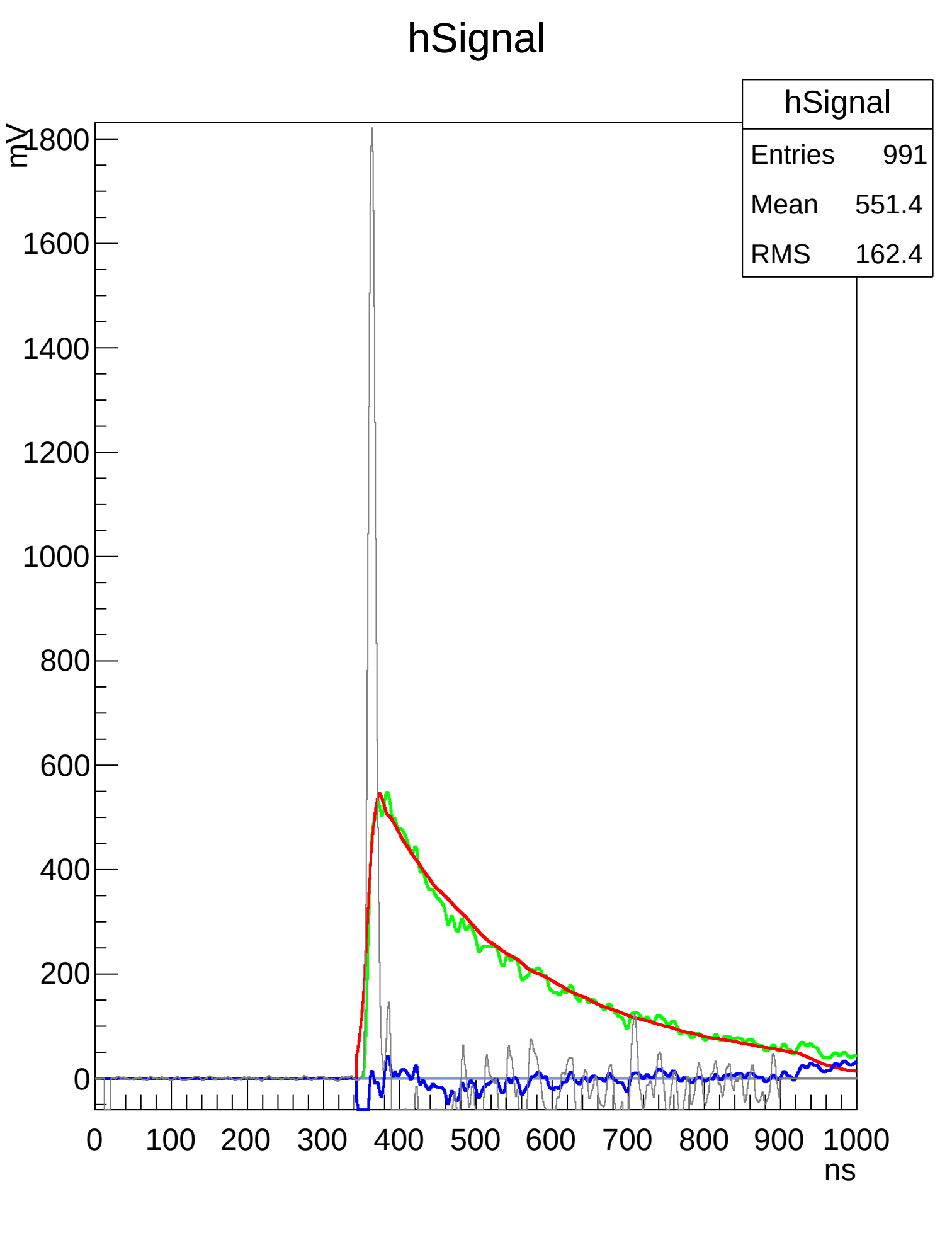
hSignal
hSignal
Entries 991
Mean 551.4
RMS 162.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
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400
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800
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1000
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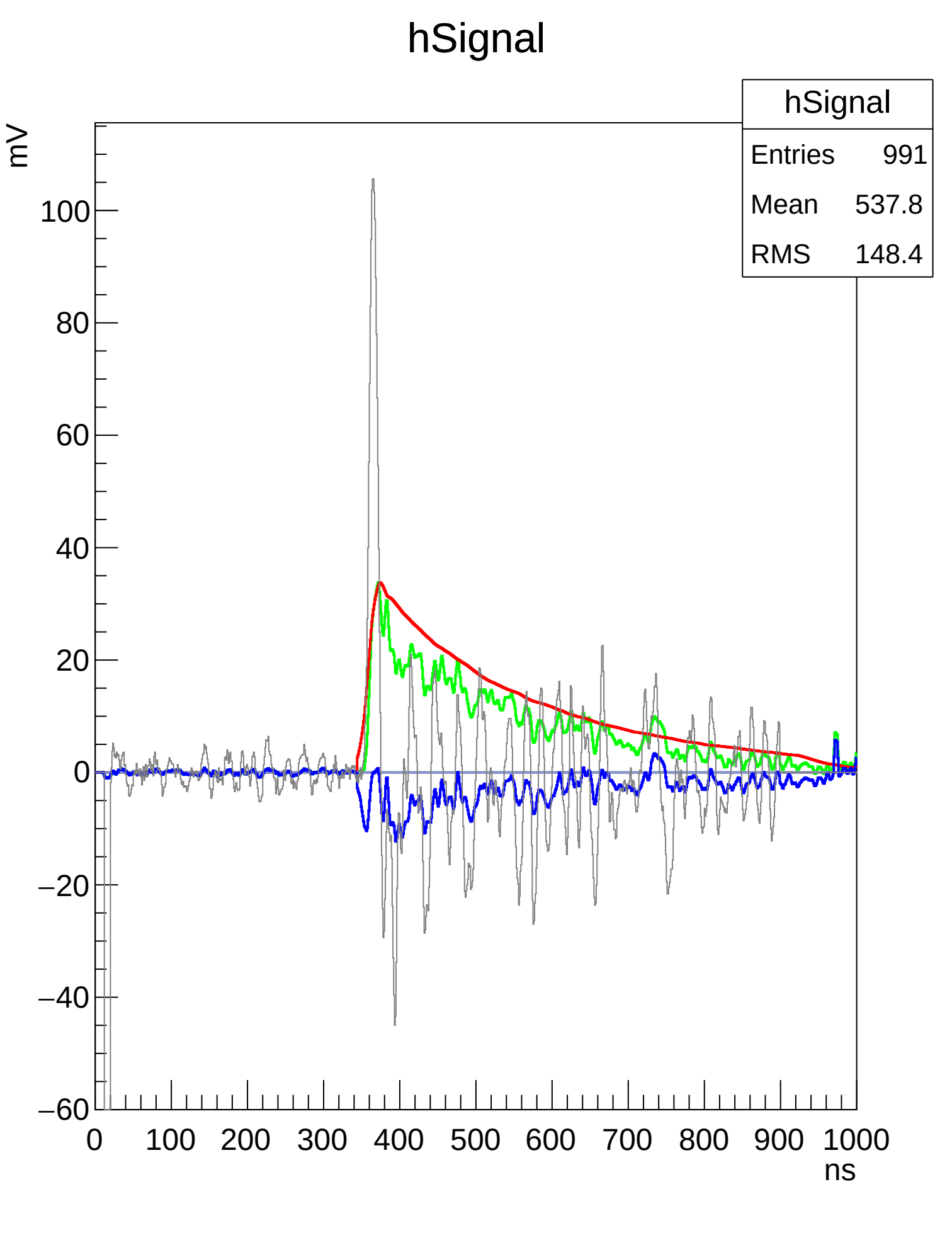
hSignal
hSignal
Entries 991
Mean 537.8
RMS 148.4
mV
100
80
60
40
20
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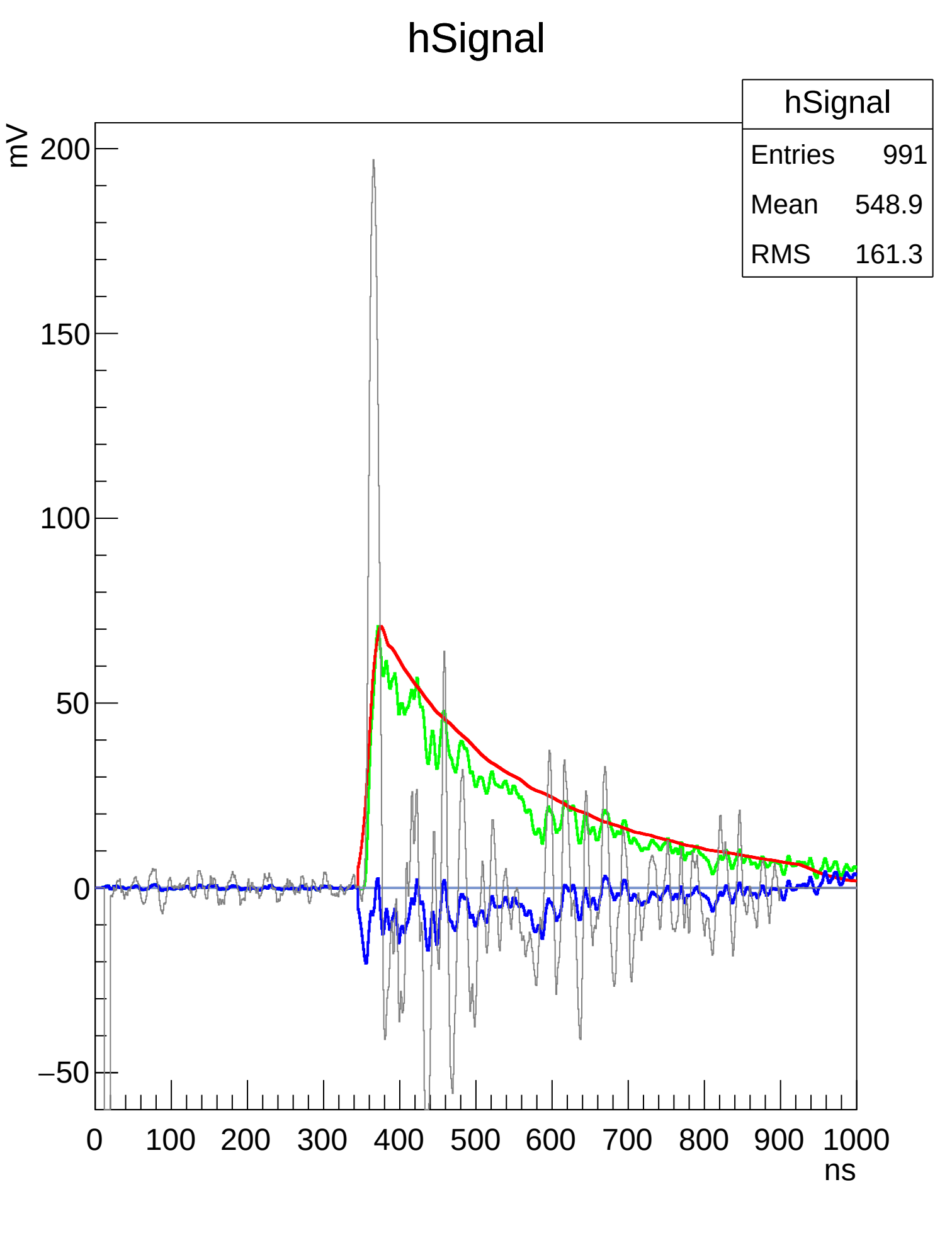
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.9
RMS 161.3
mV
200
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100
50
0
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0
100
200
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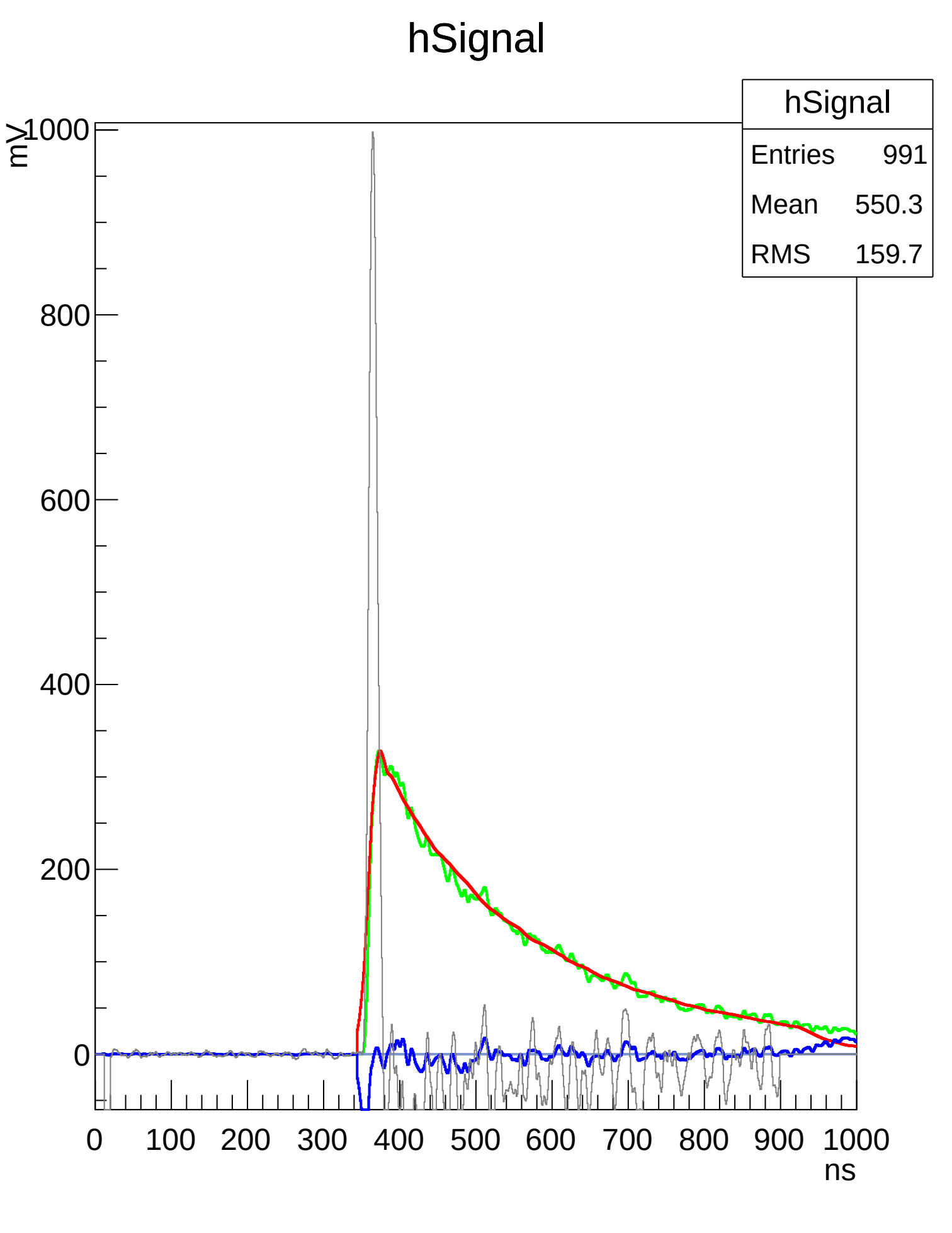
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.3
RMS 159.7
mV
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600
400
200
0
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100
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400
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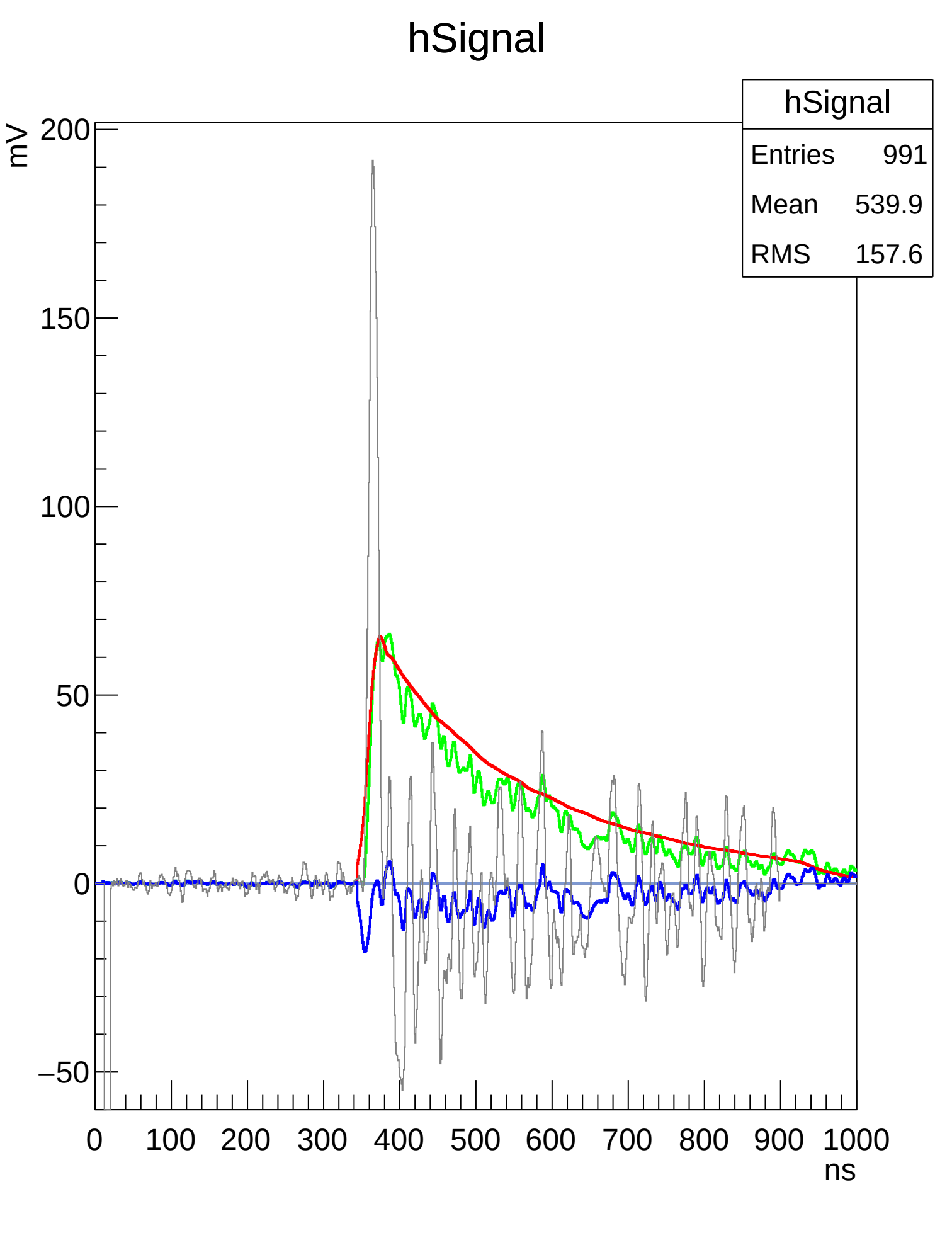
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.9
RMS 157.6
mV
200
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100
50
0
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0
100
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800
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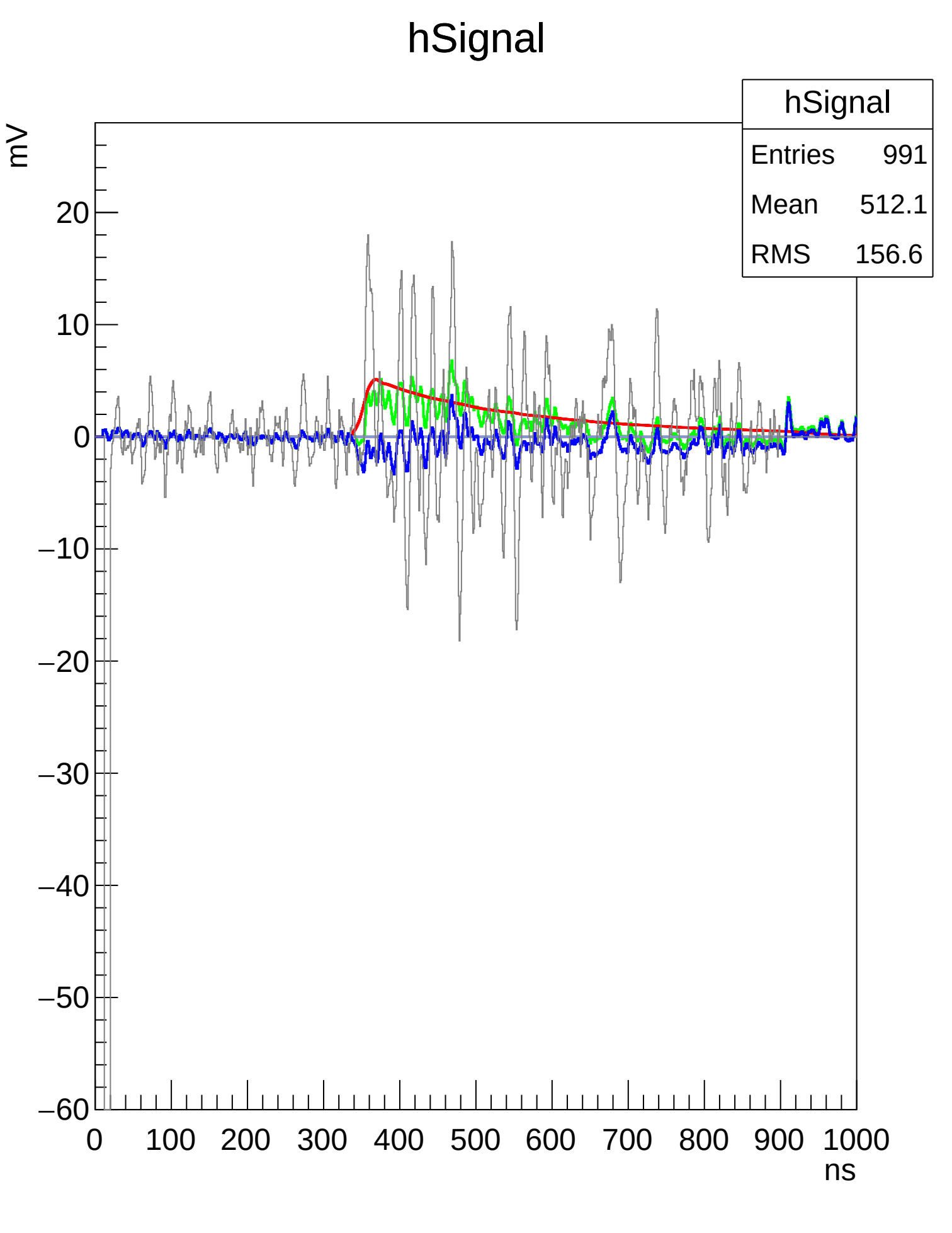
1000
ns


hSignal
hSignal
Entries 991
Mean 512.1
RMS 156.6
mV
20
10
0
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−50
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0
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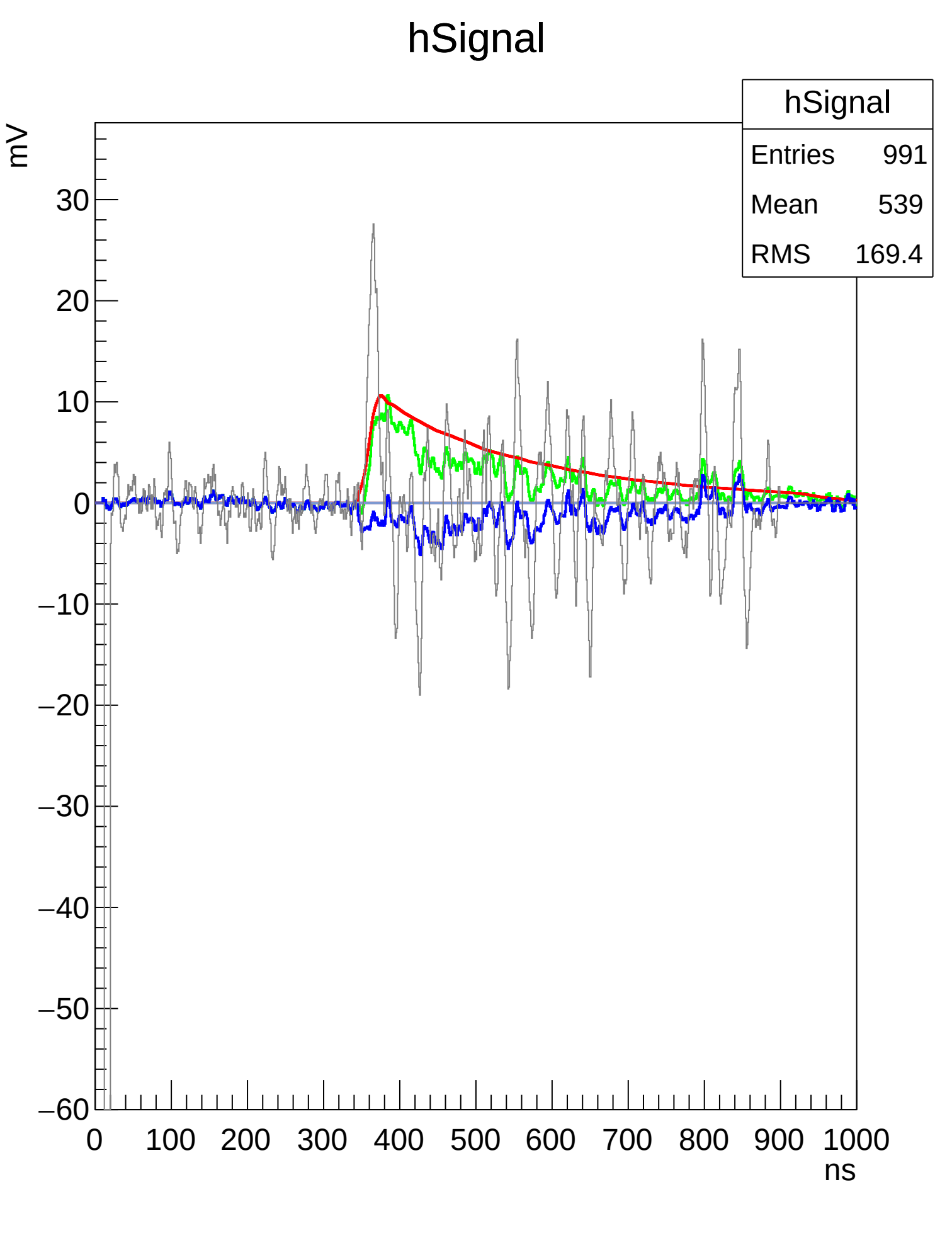
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539
RMS 169.4
mV
30
20
10
0
−10
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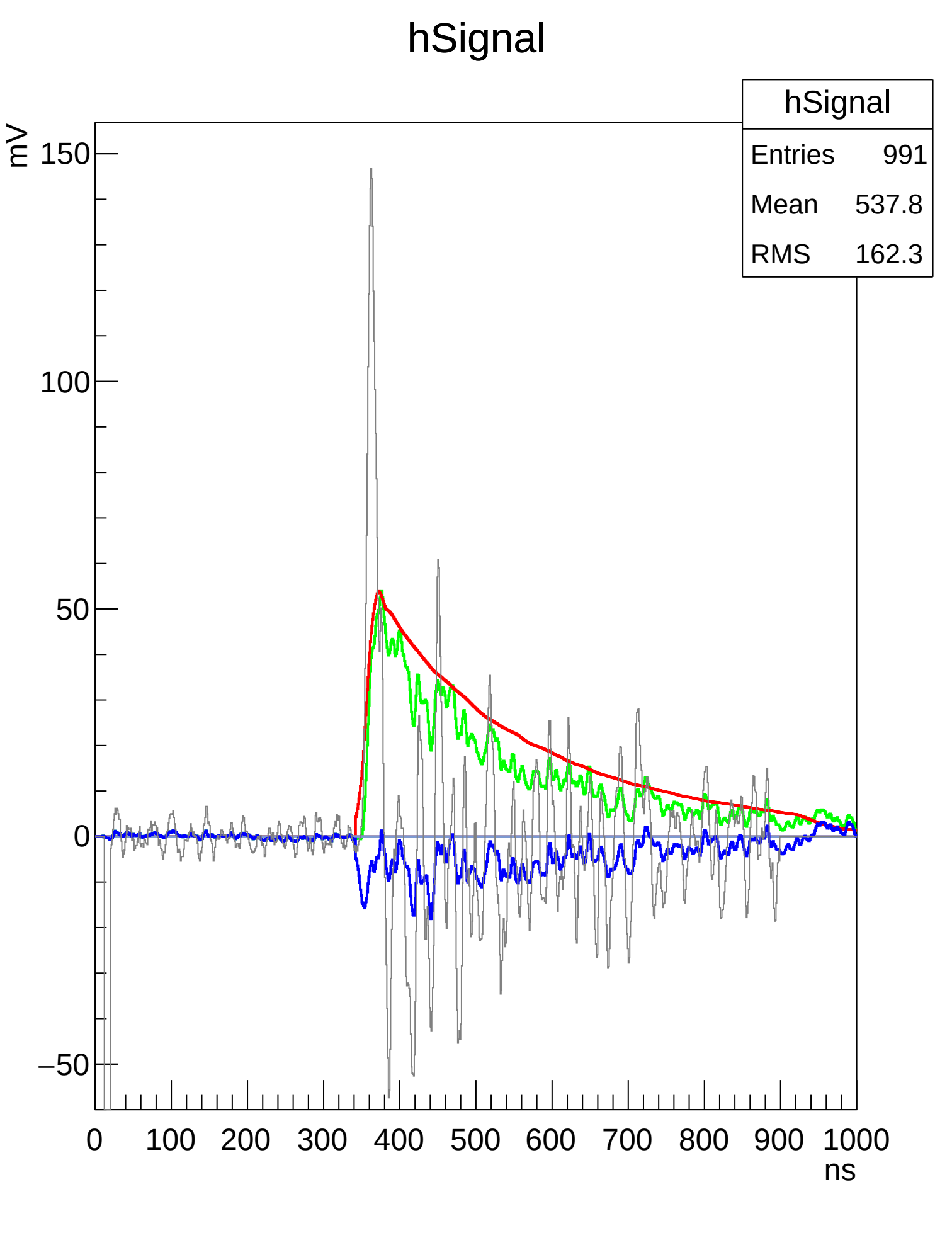
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.8
RMS 162.3
mV
150
100
50
0
−50
0
100
200
300
400
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600
700
800
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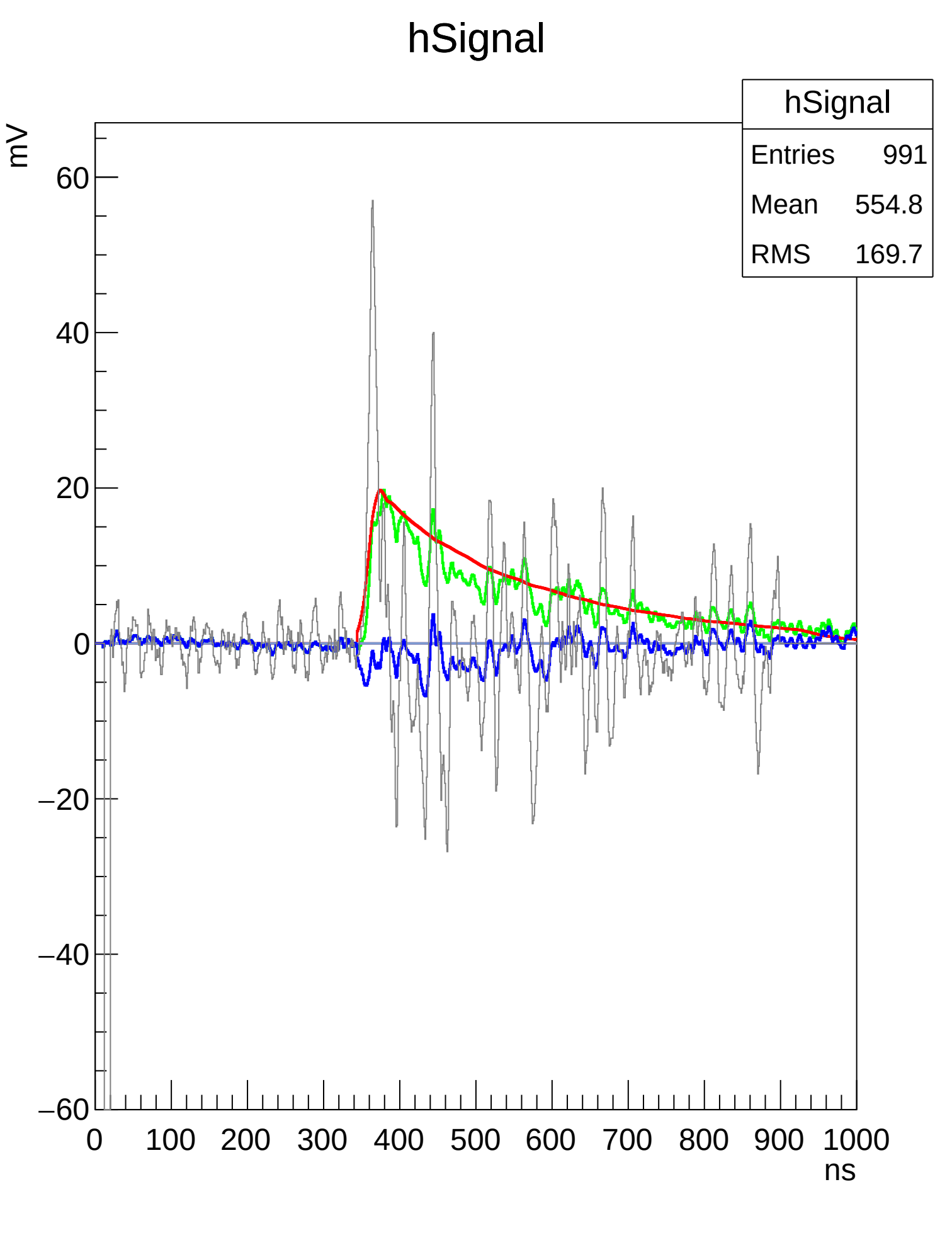
1000
ns


hSignal
hSignal
Entries 991
Mean 554.8
RMS 169.7
mV
60
40
20
0
−20
−40
−60
0
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200
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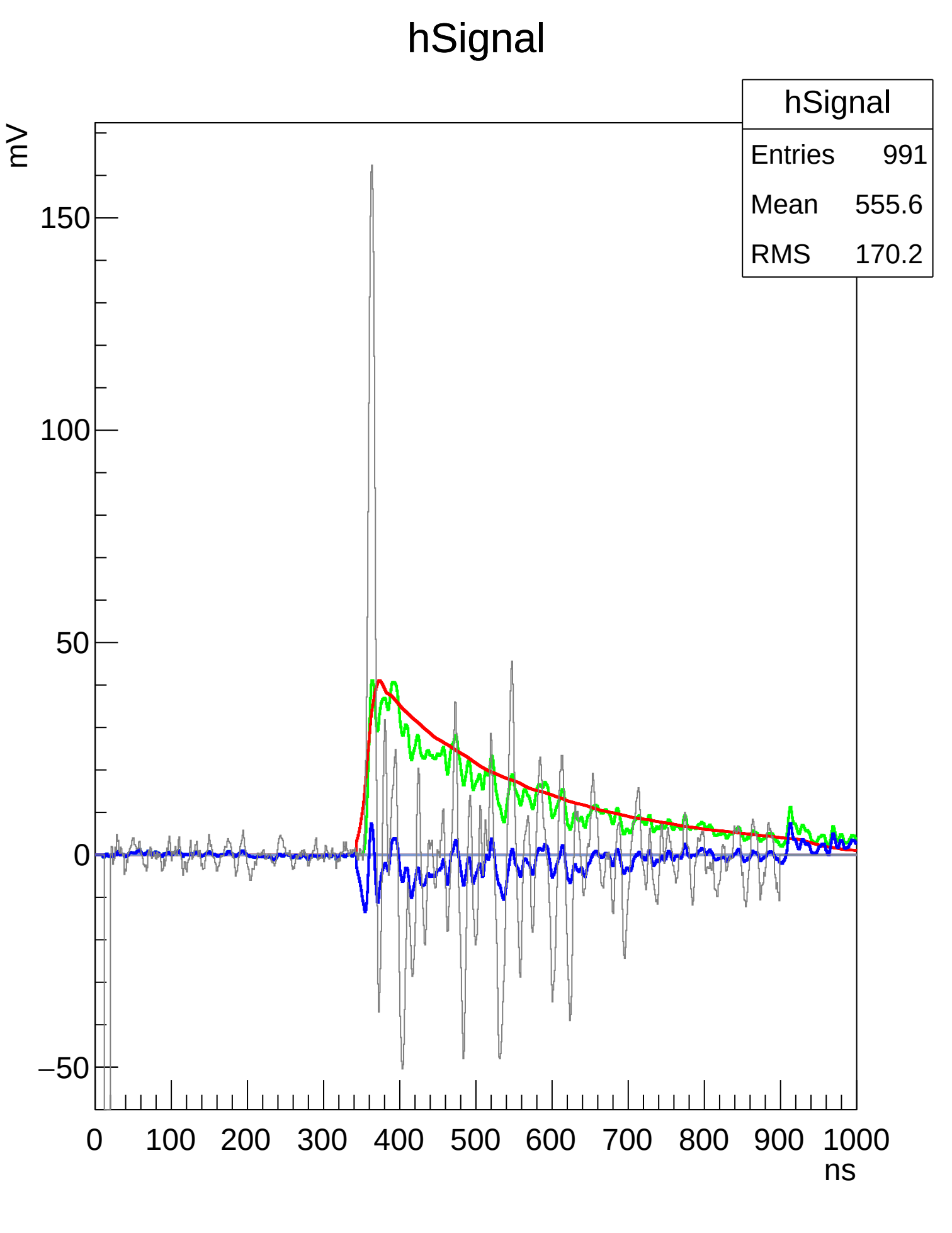
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.6
RMS 170.2
mV
150
100
50
0
−50
0
100
200
300
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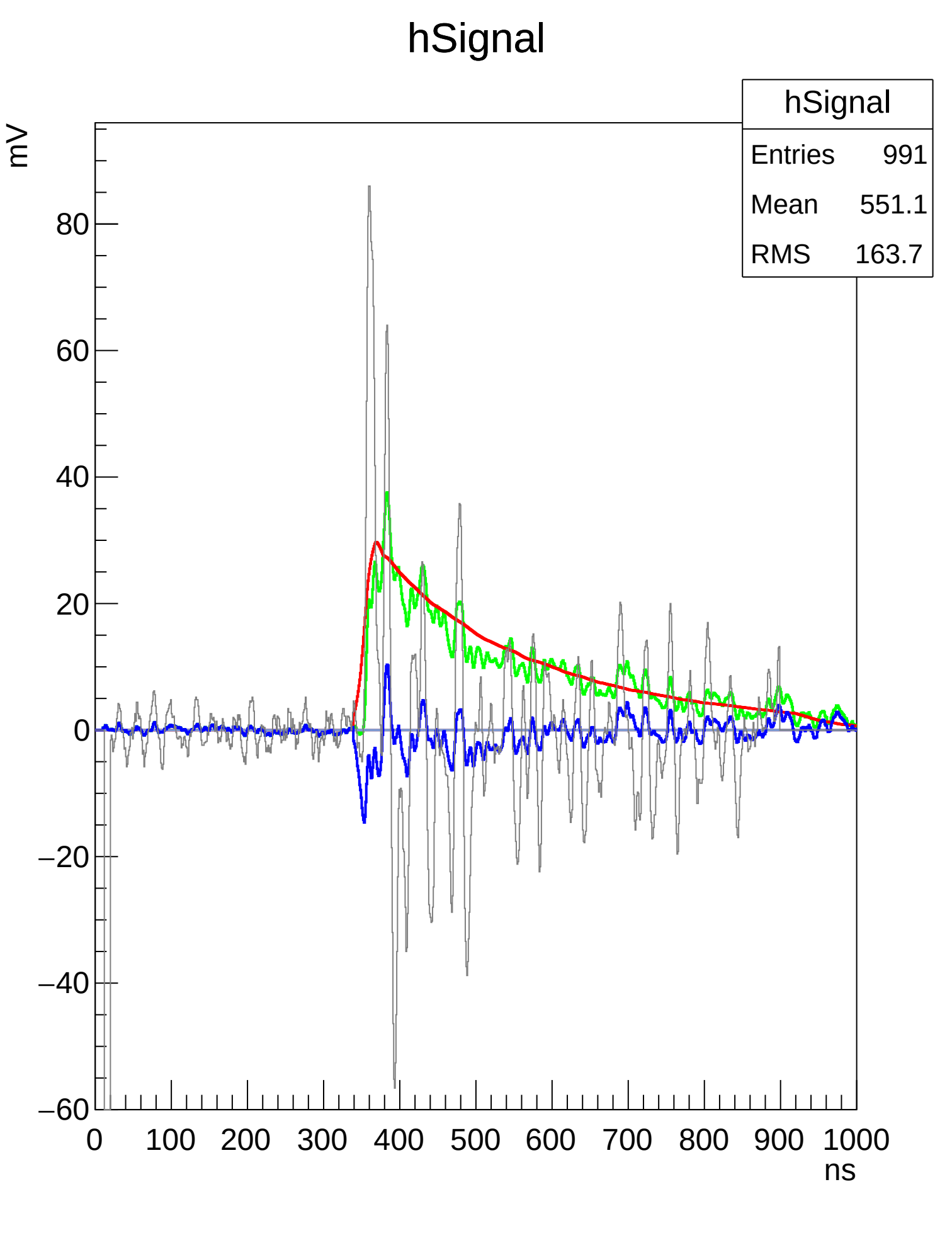
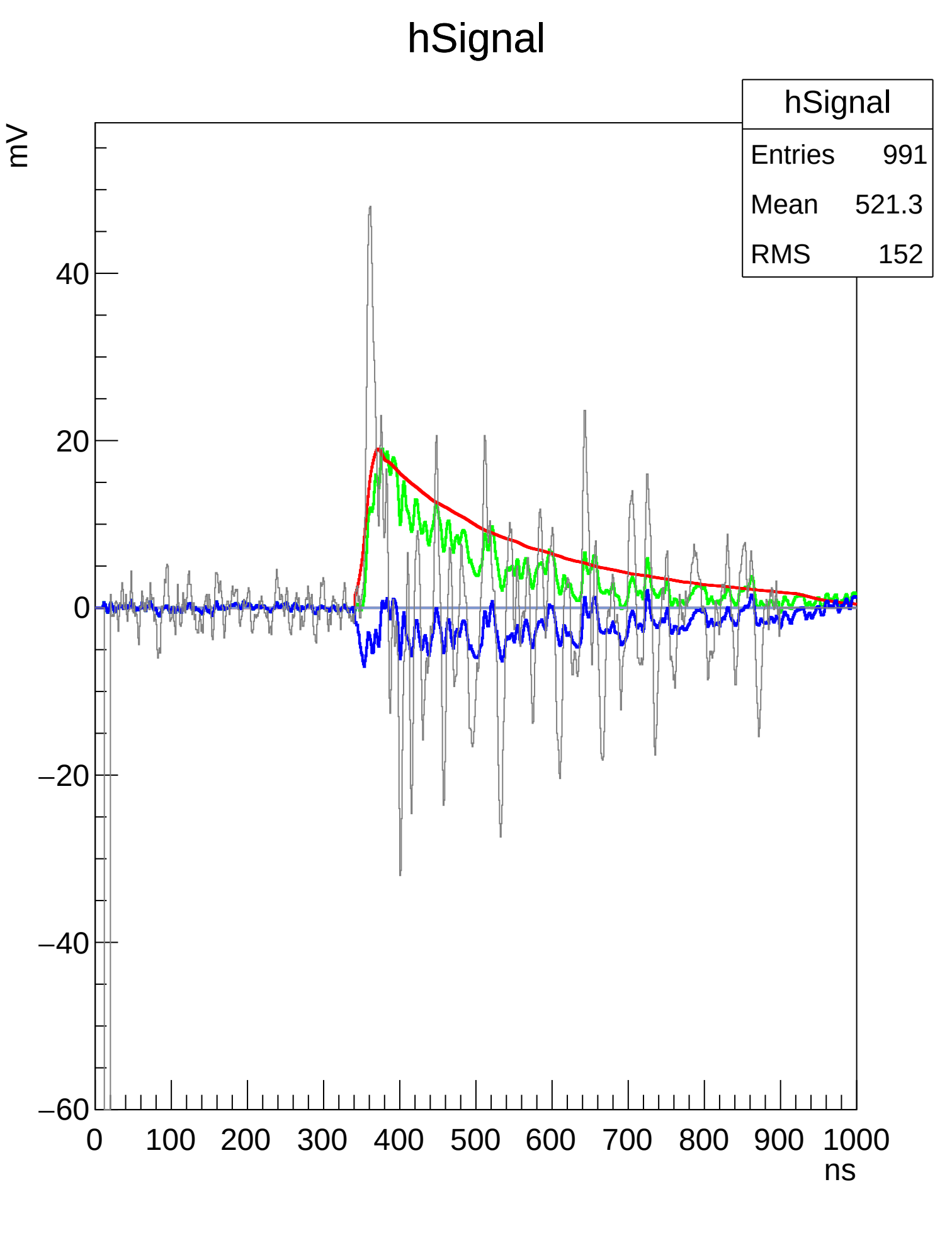
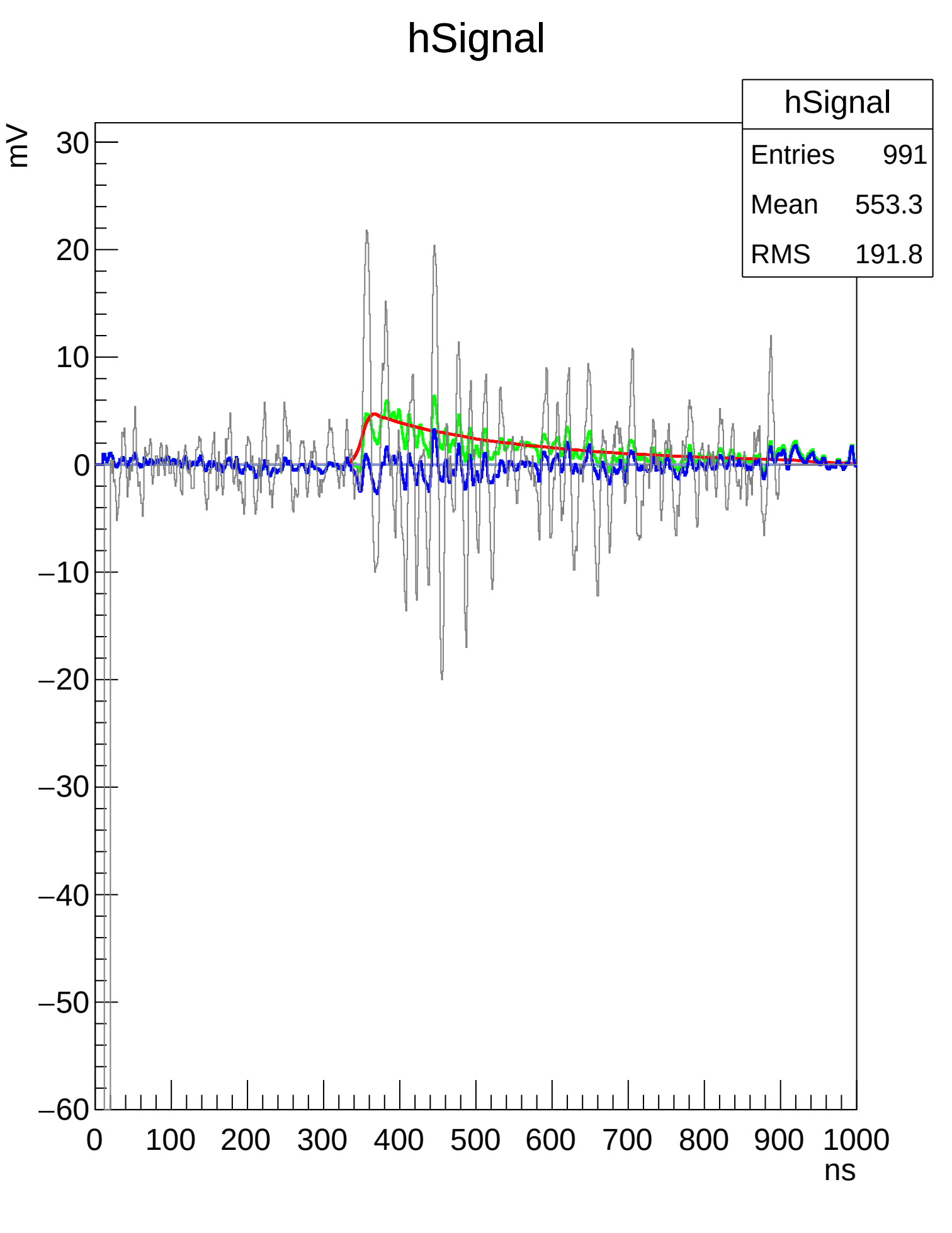
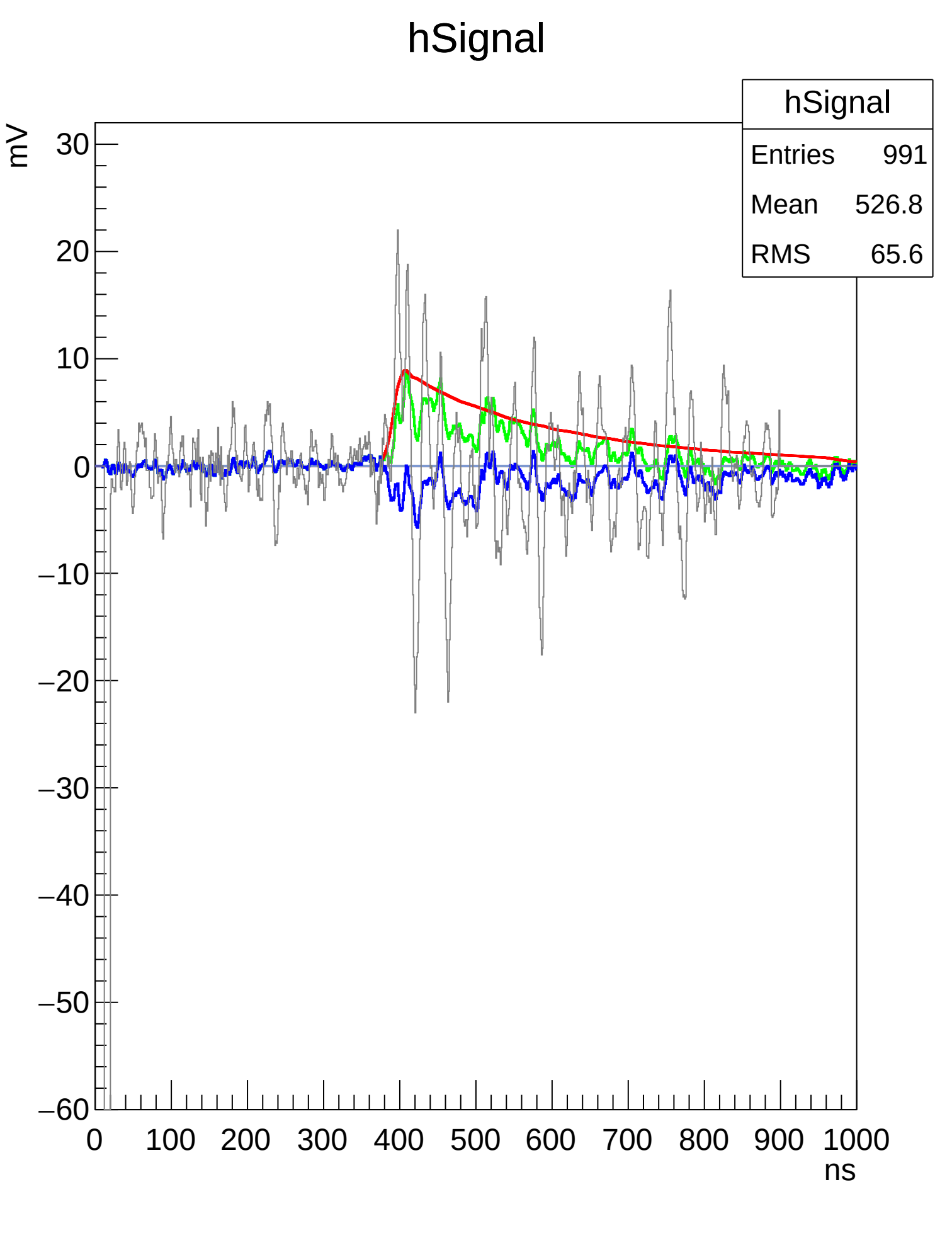
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 551.1
RMS 163.7
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.3
RMS 152
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.3
RMS 191.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.8
RMS 65.6
mV
30
20
10
0
−10
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−40
−50
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0
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400
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1000
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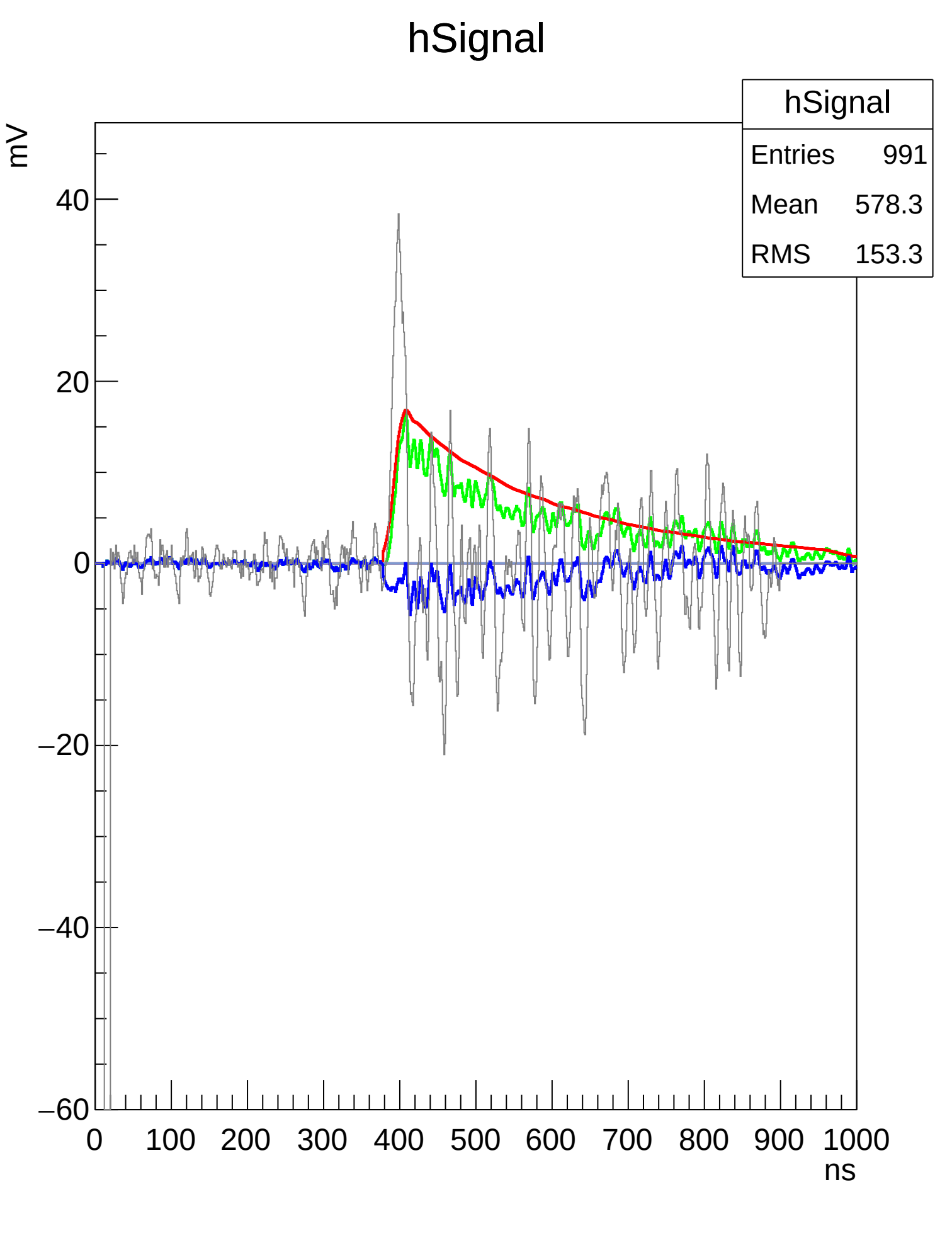
hSignal
hSignal
Entries 991
Mean 578.3
RMS 153.3
mV
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−20
−40
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0
100
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600
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800
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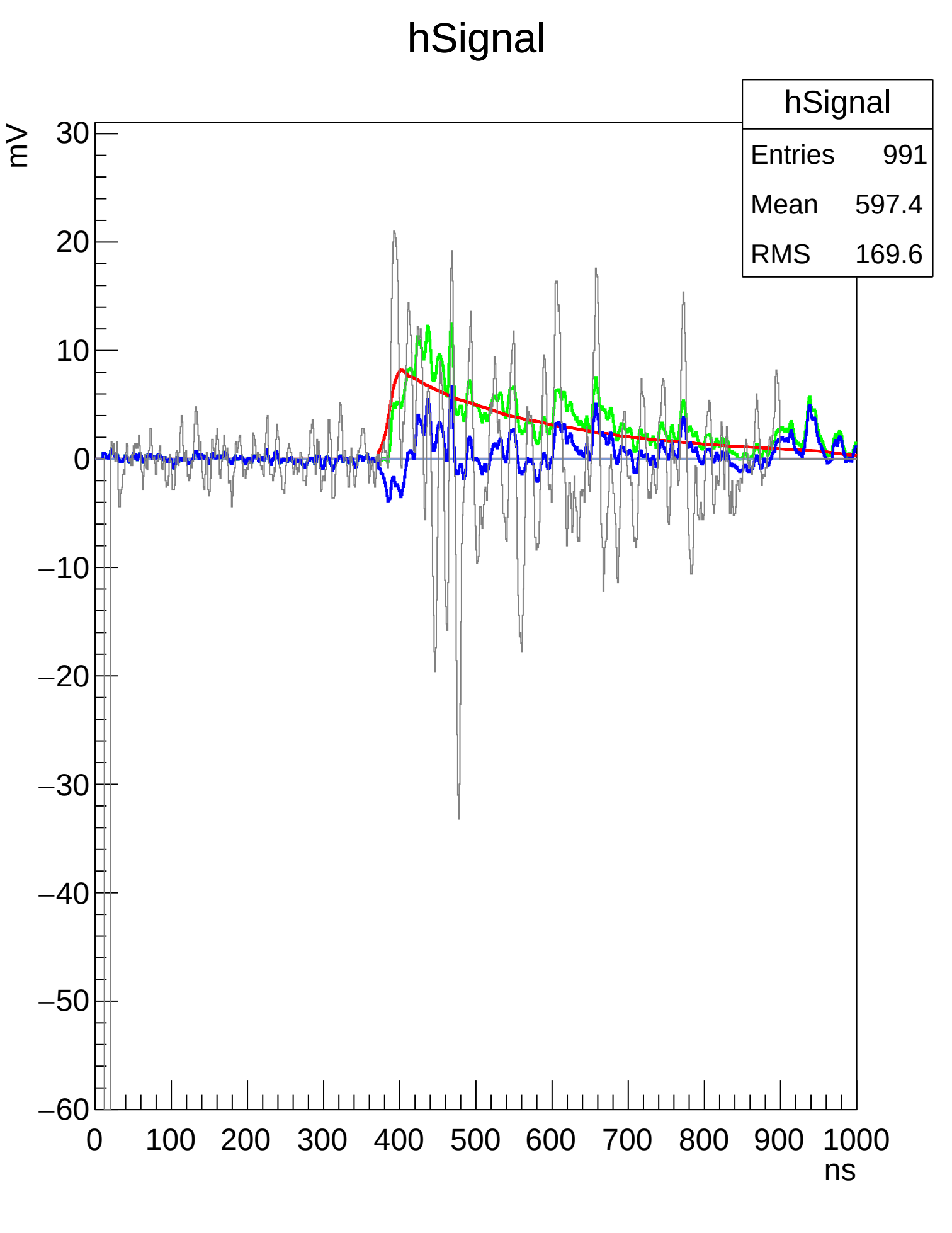
1000
ns


hSignal
hSignal
Entries 991
Mean 597.4
RMS 169.6
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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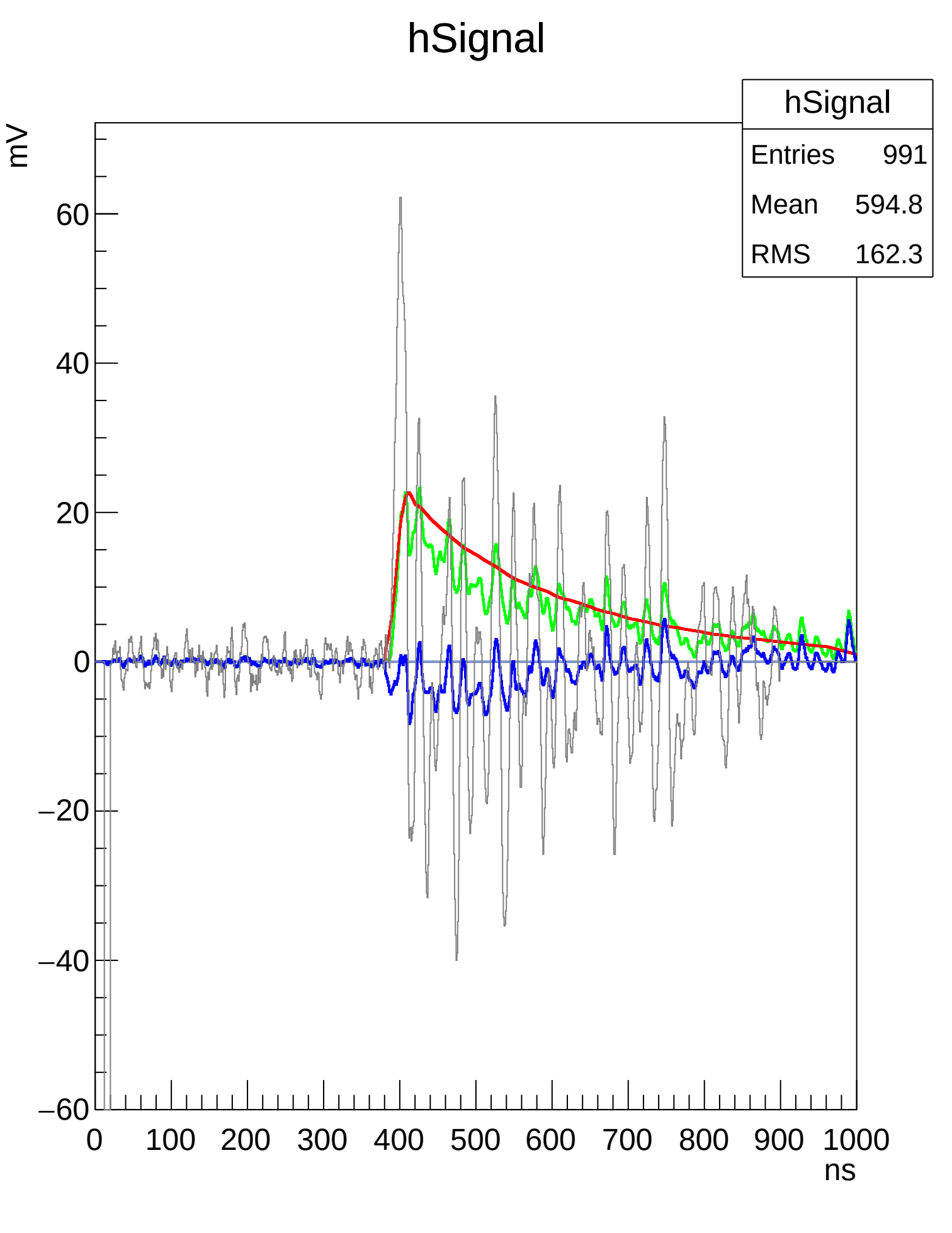
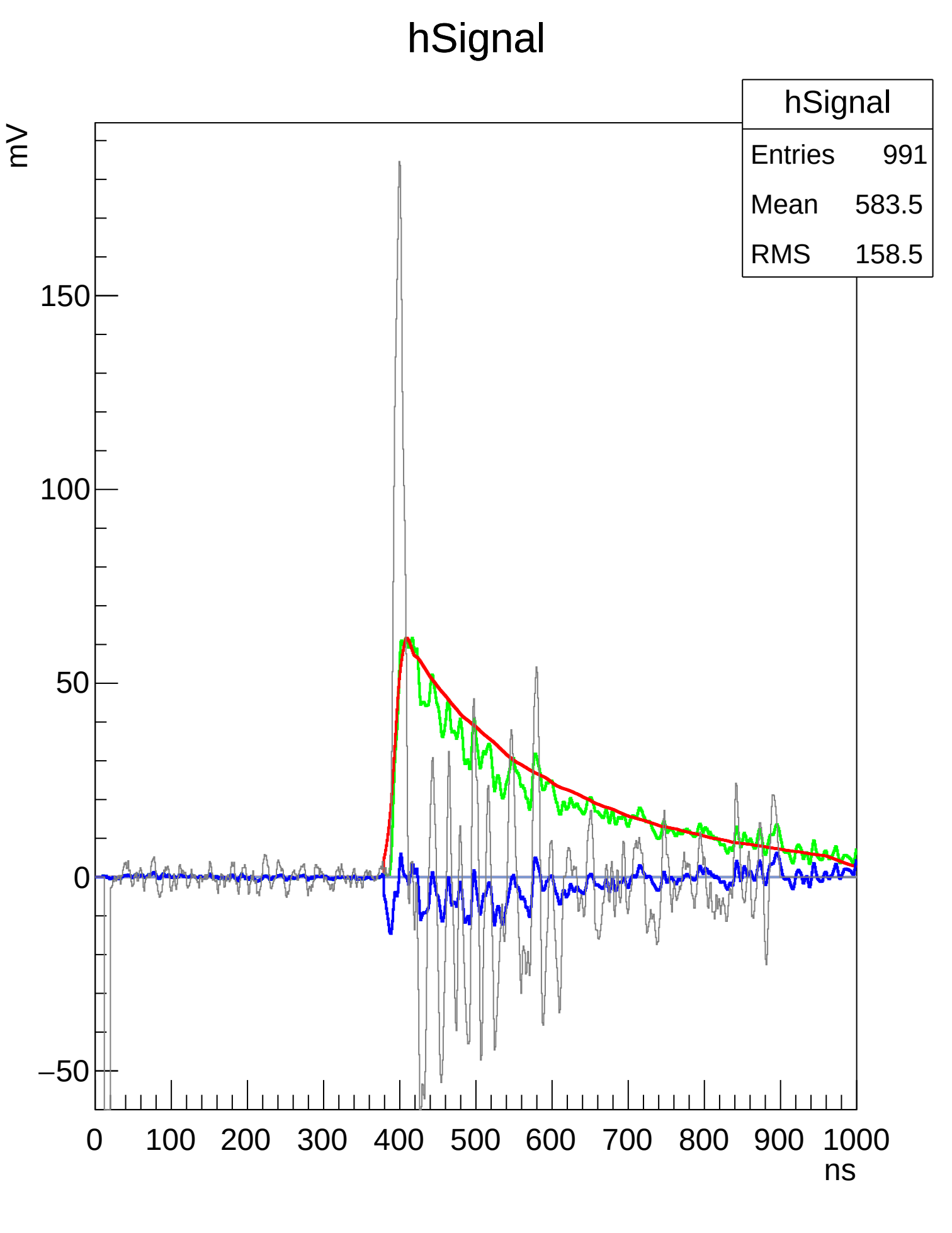
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.8
RMS 162.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.5
RMS 158.5
mV
150
100
50
0
−50
0
100
200
300
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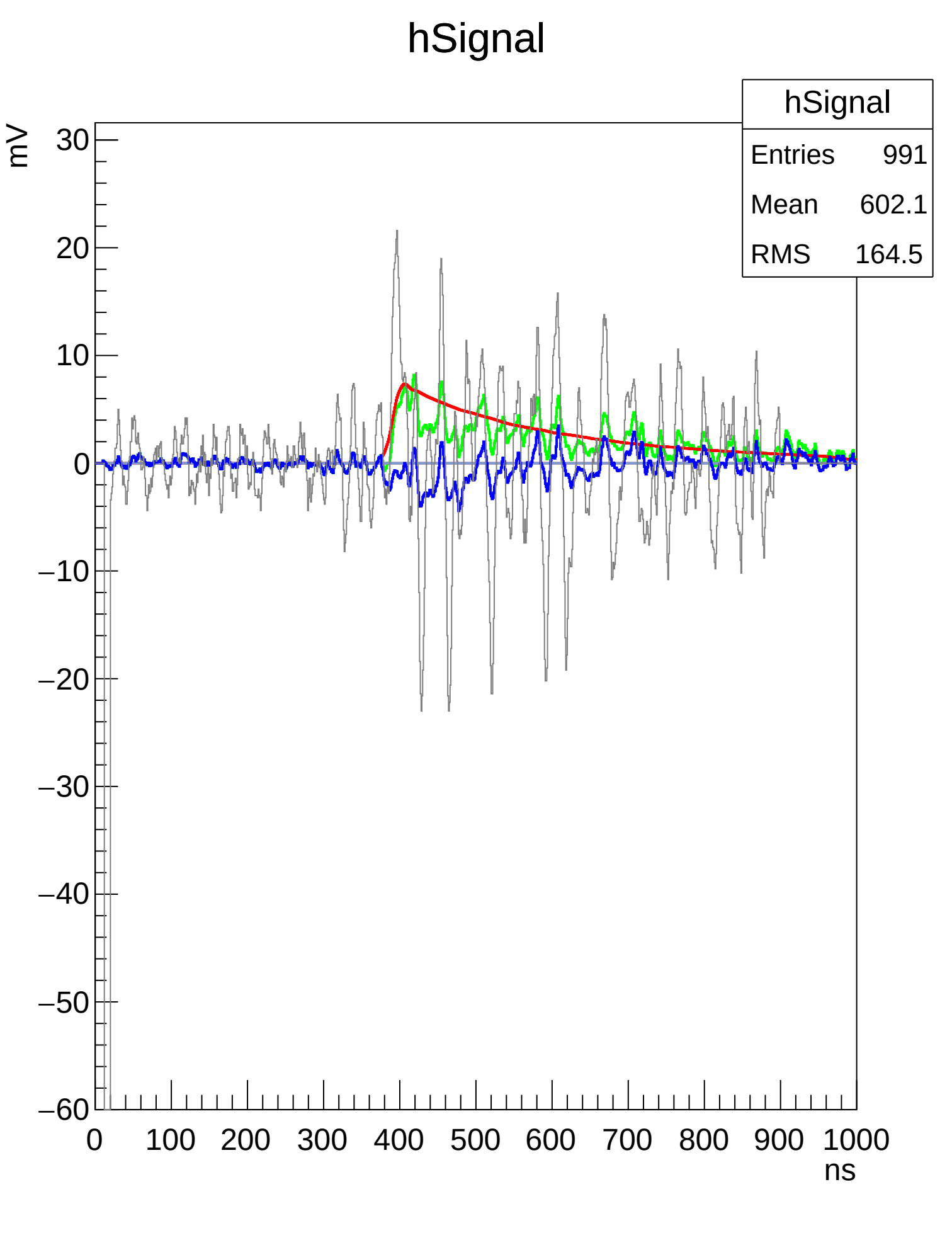
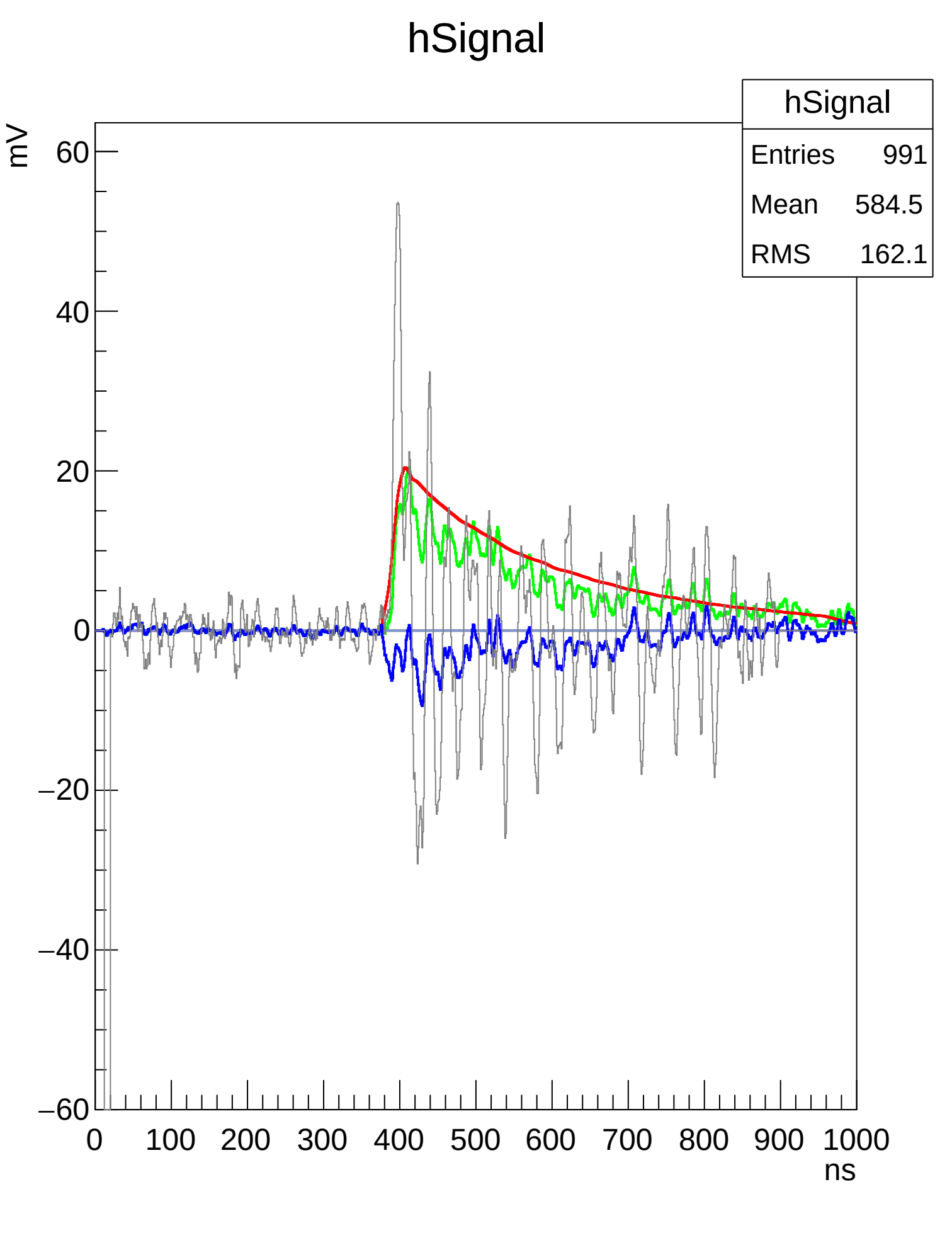
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.1
RMS 164.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.5
RMS 162.1
mV
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−40
−60
0
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200
300
400
500
600
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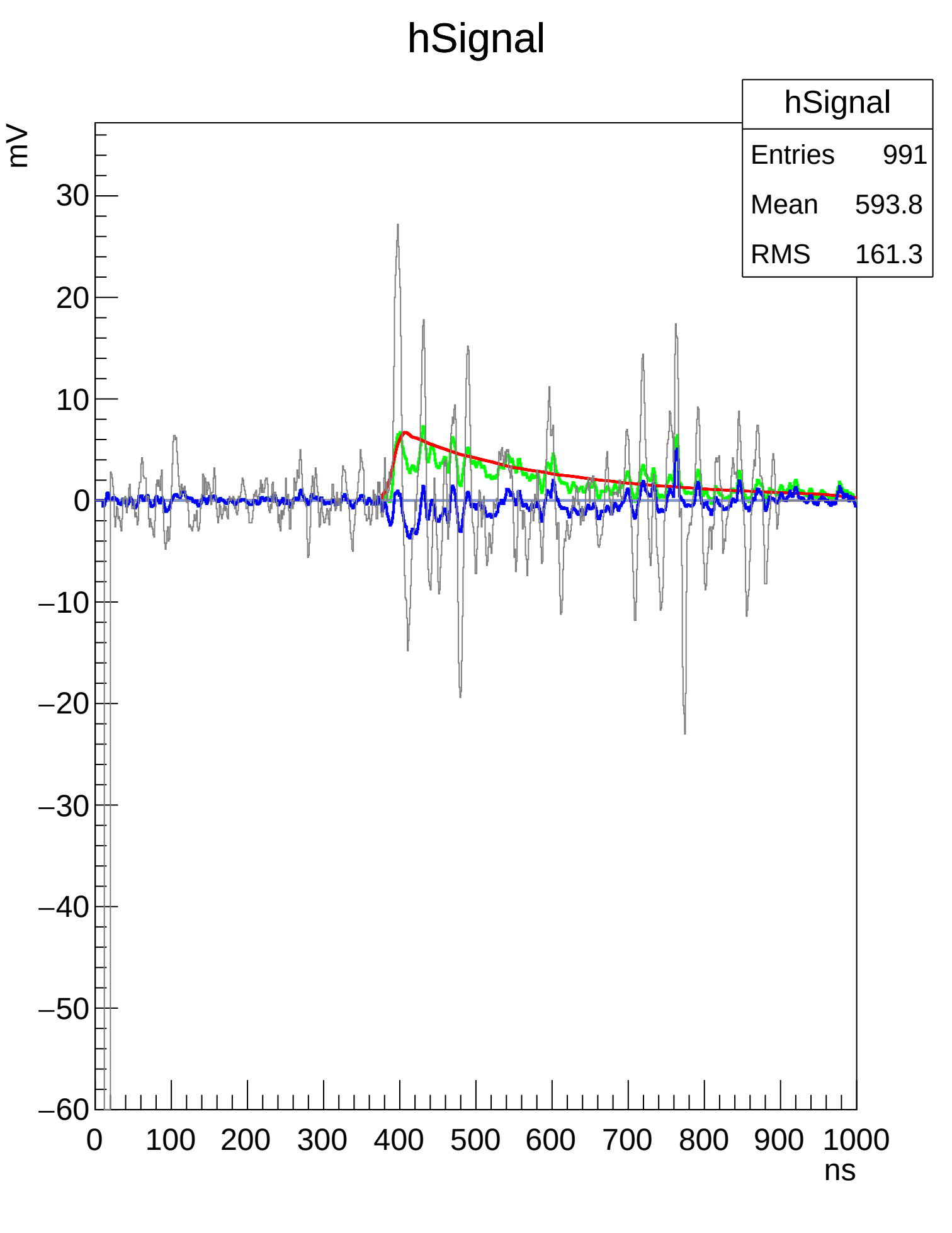
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.8
RMS 161.3
mV
30
20
10
0
−10
−20
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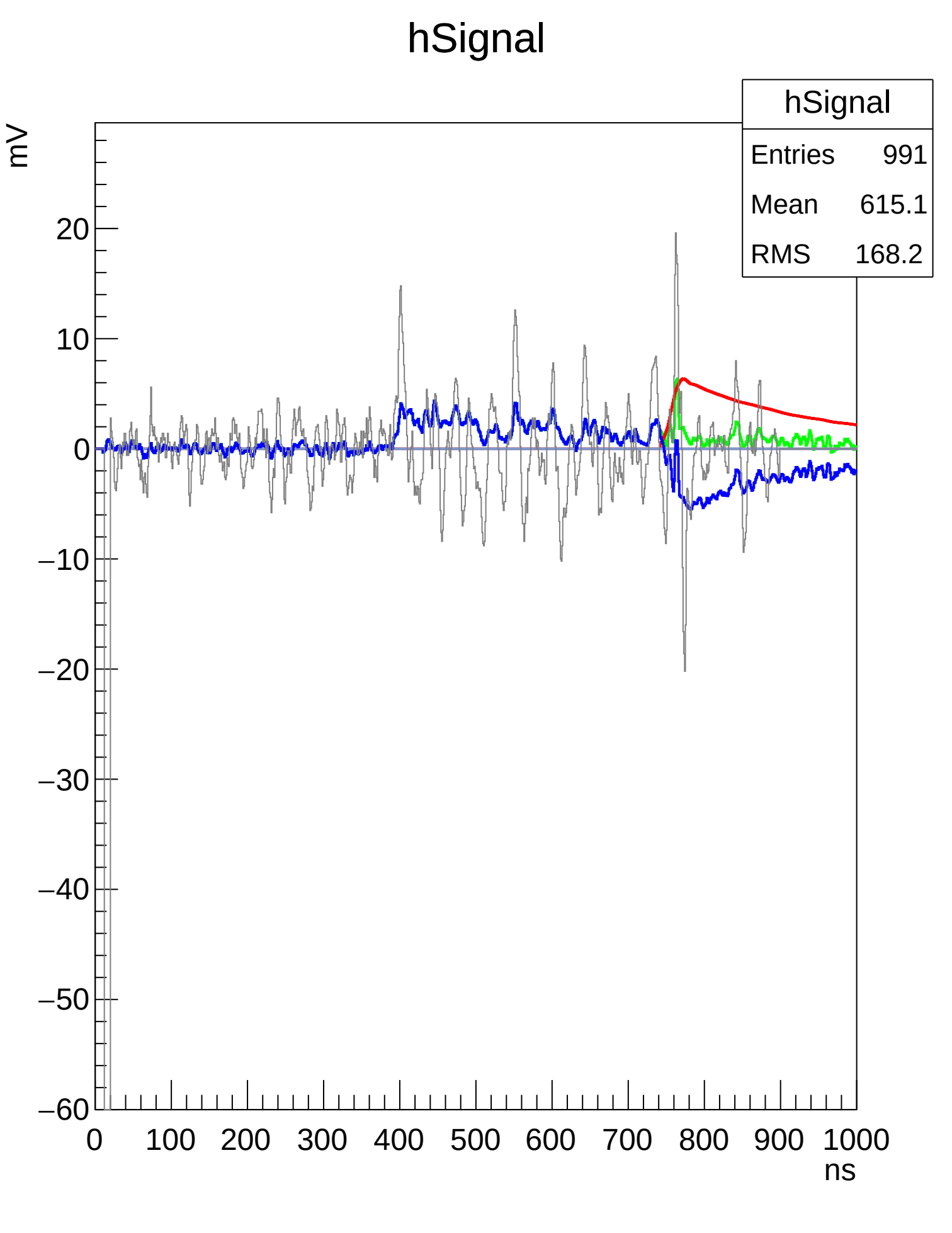
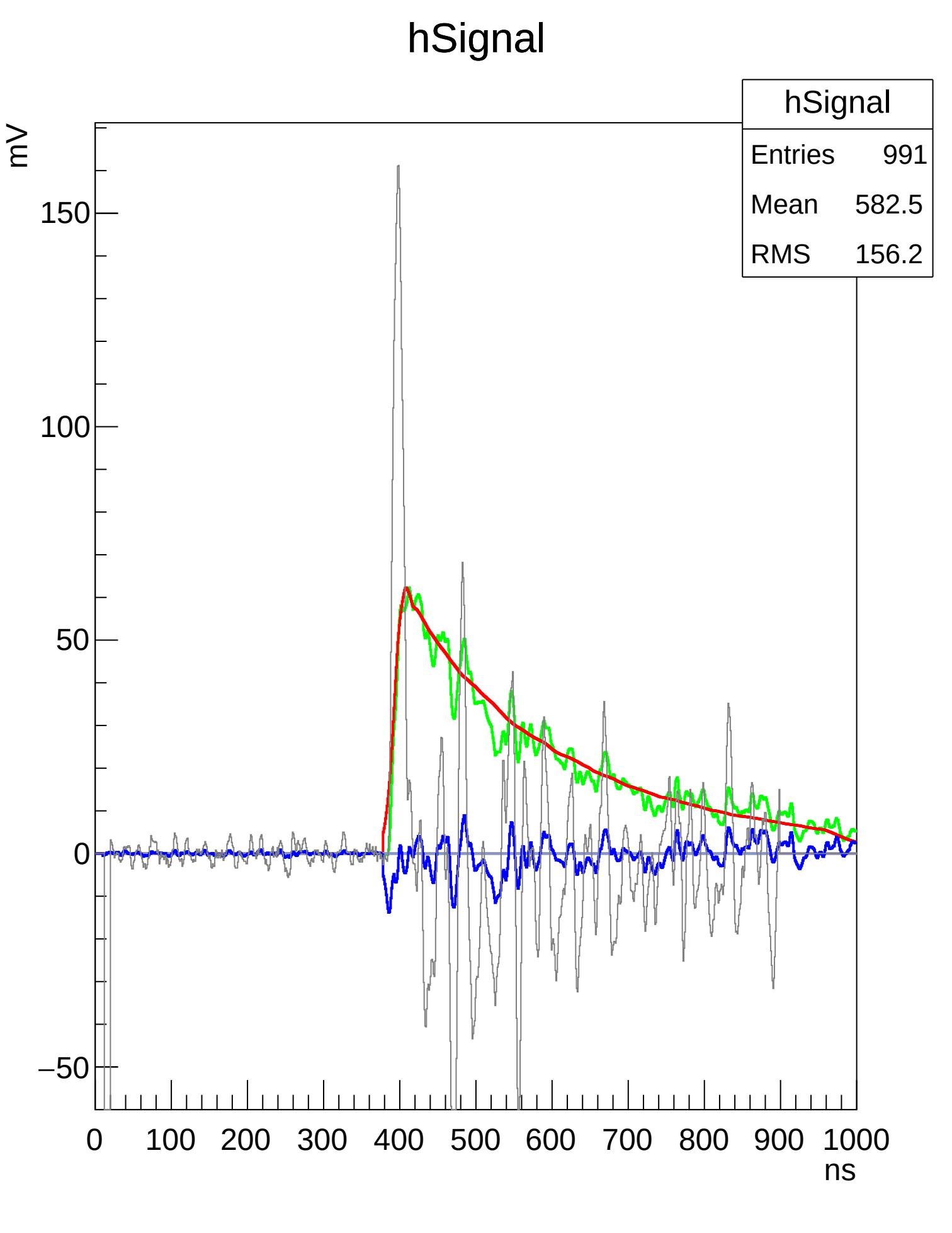
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.1
RMS 168.2
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 582.5
RMS 156.2
mV
150
100
50
0
−50
0
100
200
300
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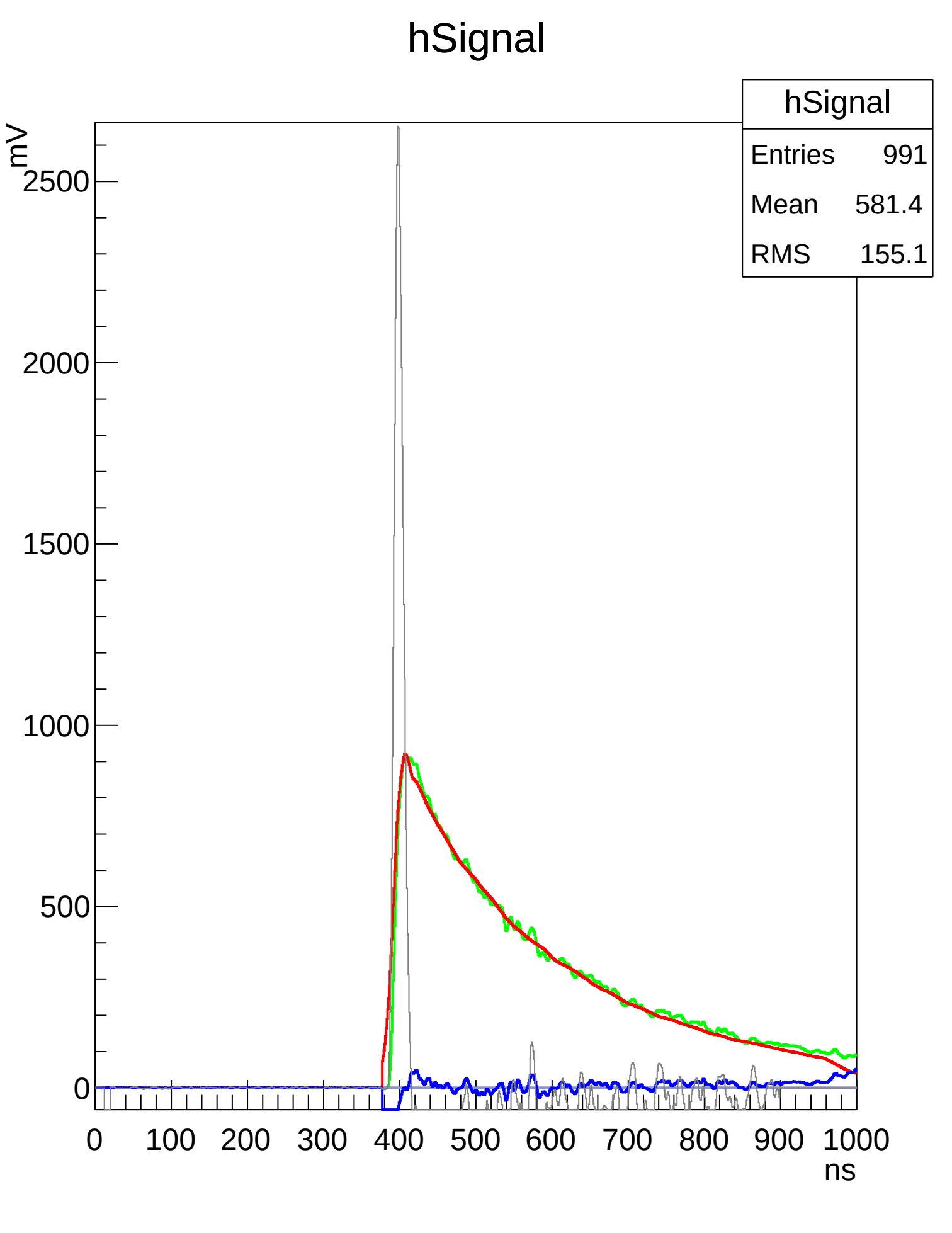
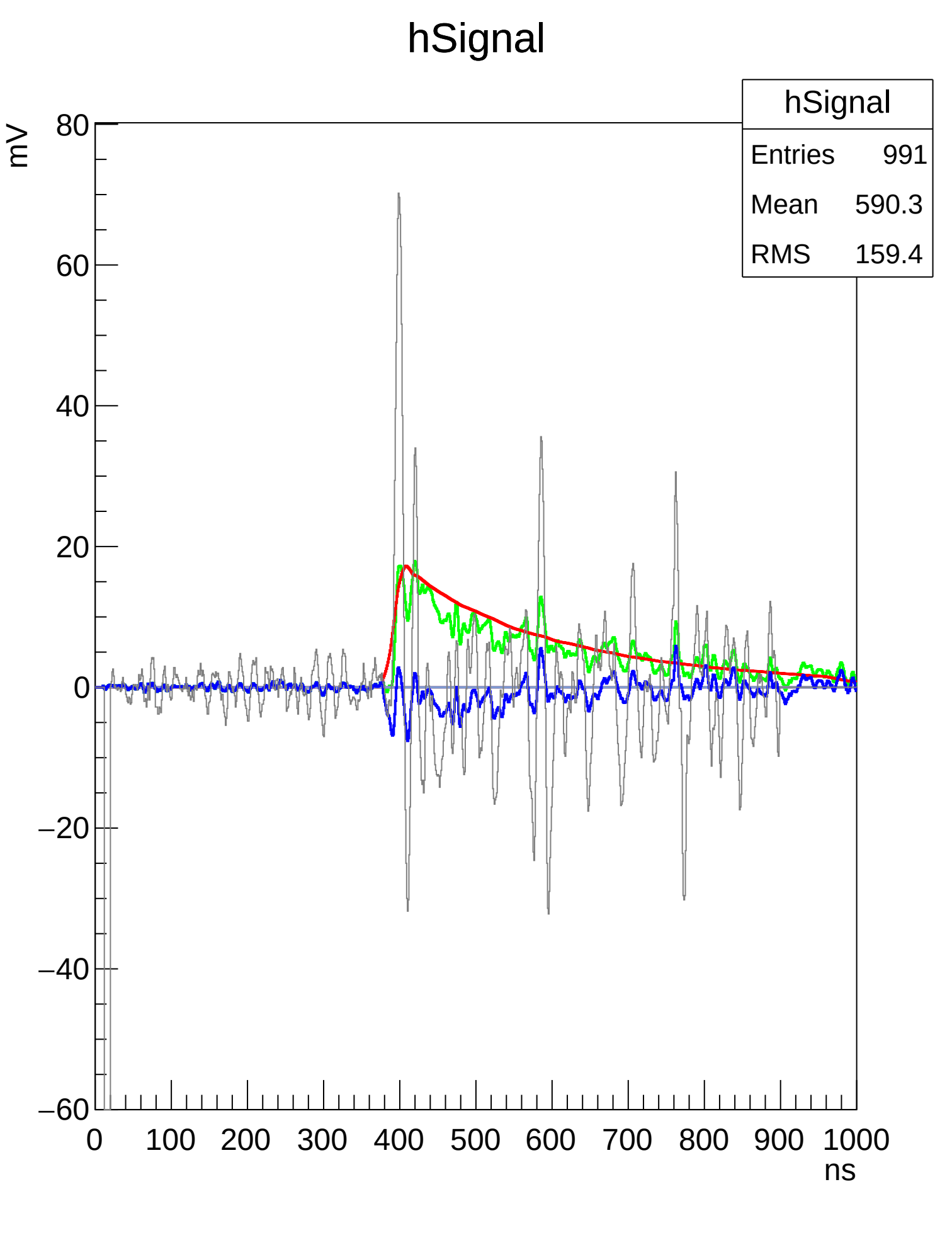
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.4
RMS 155.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590.3
RMS 159.4
mV
80
60
40
20
0
−20
−40
−60
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100
200
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400
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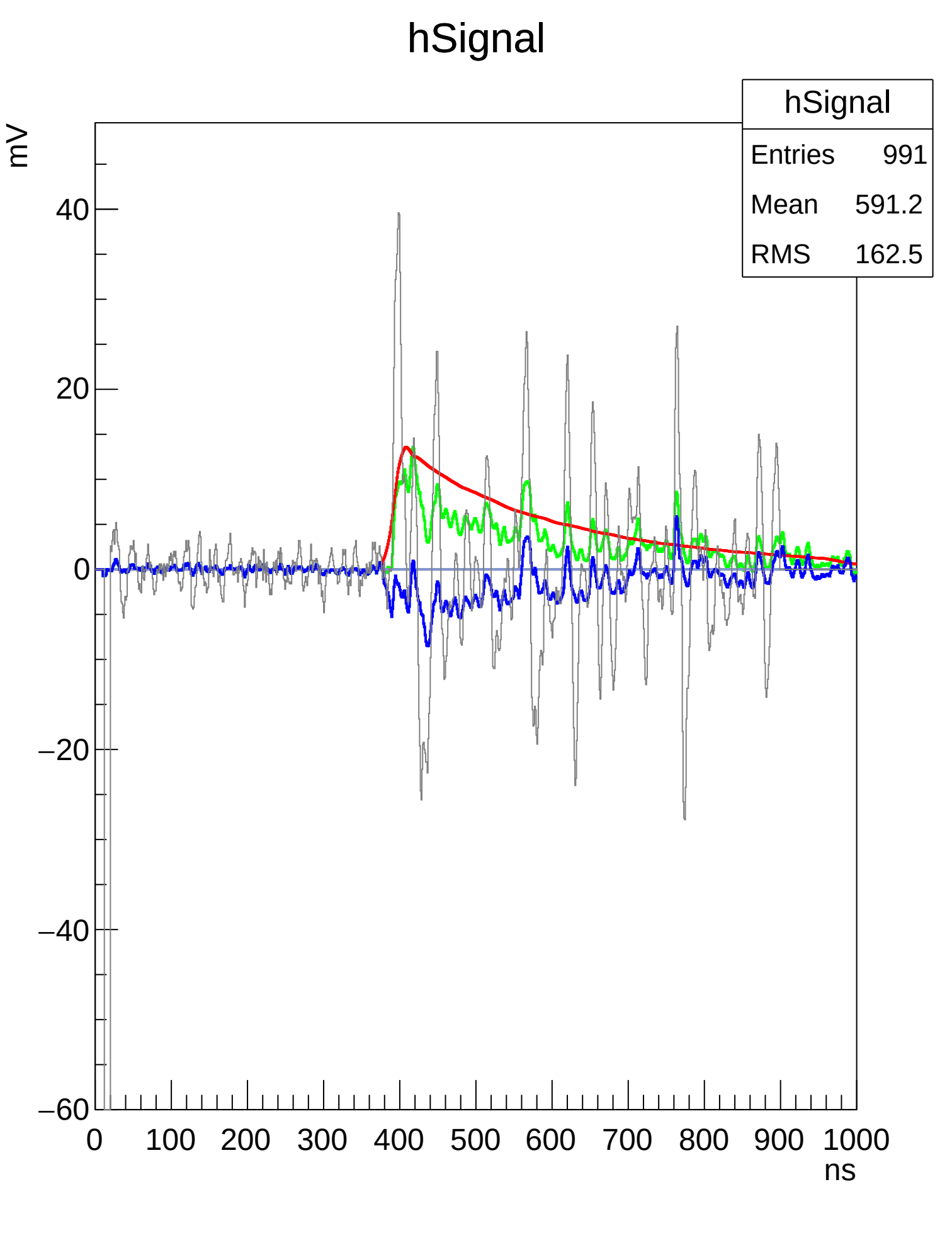
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.2
RMS 162.5
mV
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20
0
−20
−40
−60
0
100
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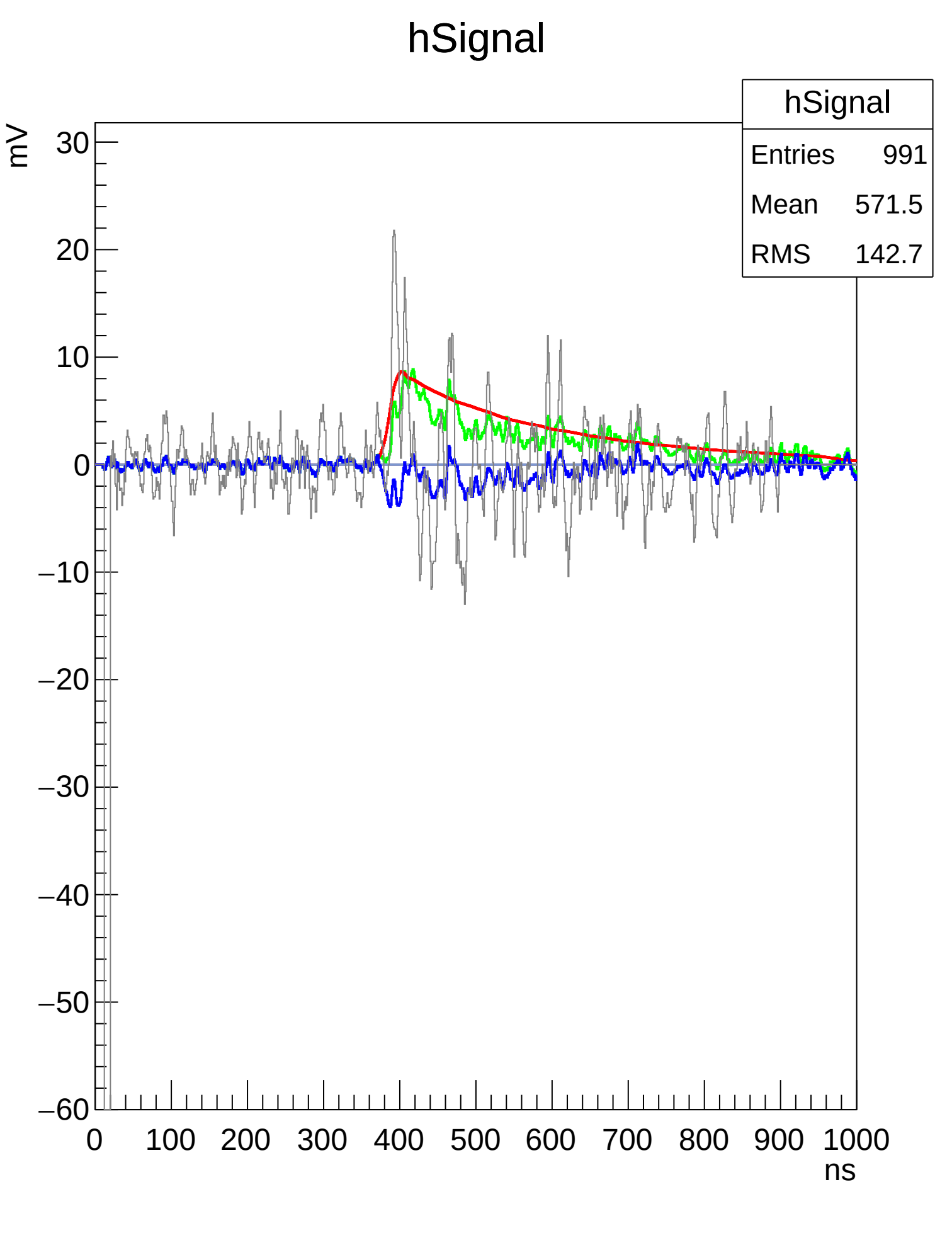
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 142.7
mV
30
20
10
0
−10
−20
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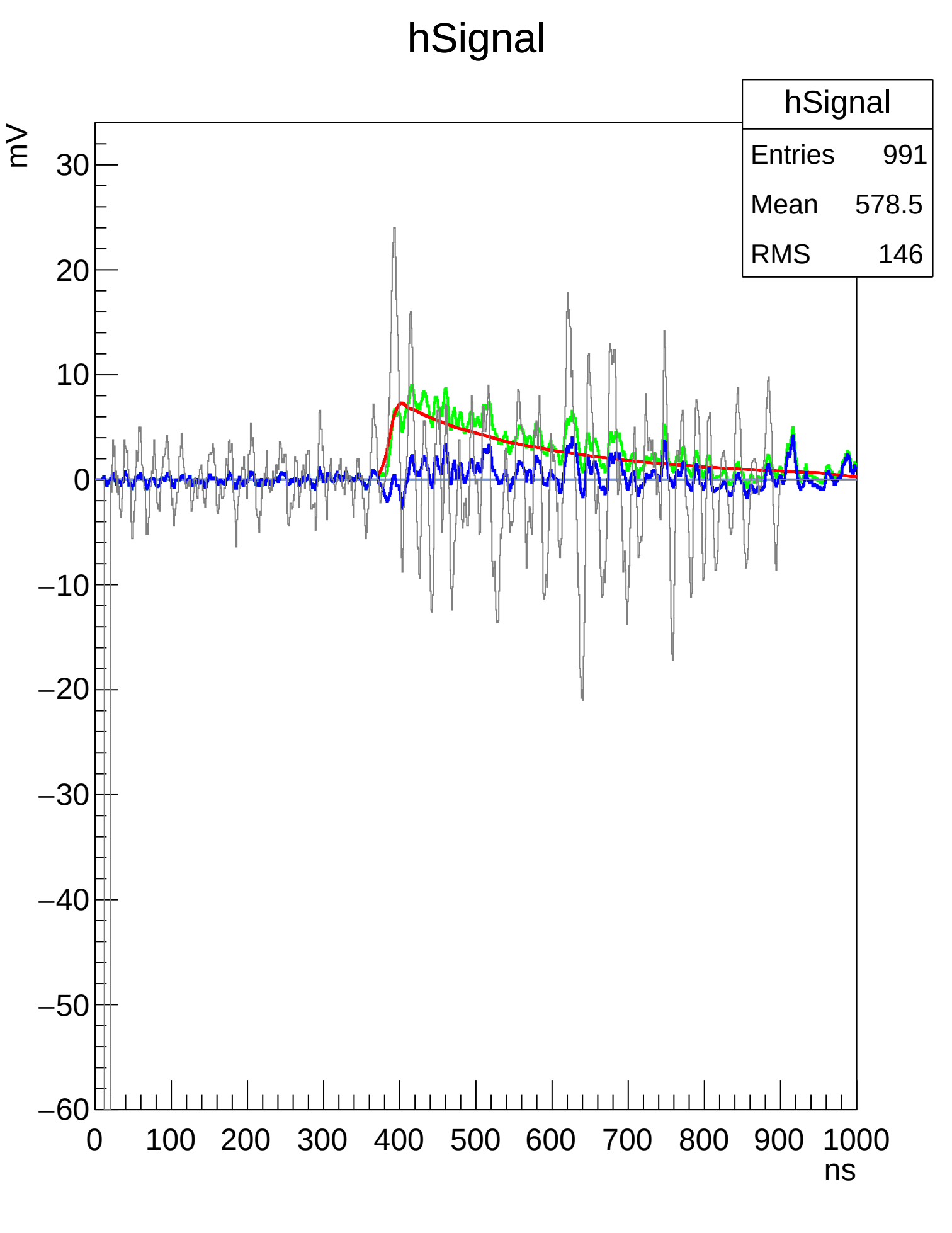
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.5
RMS 146
mV
30
20
10
0
−10
−20
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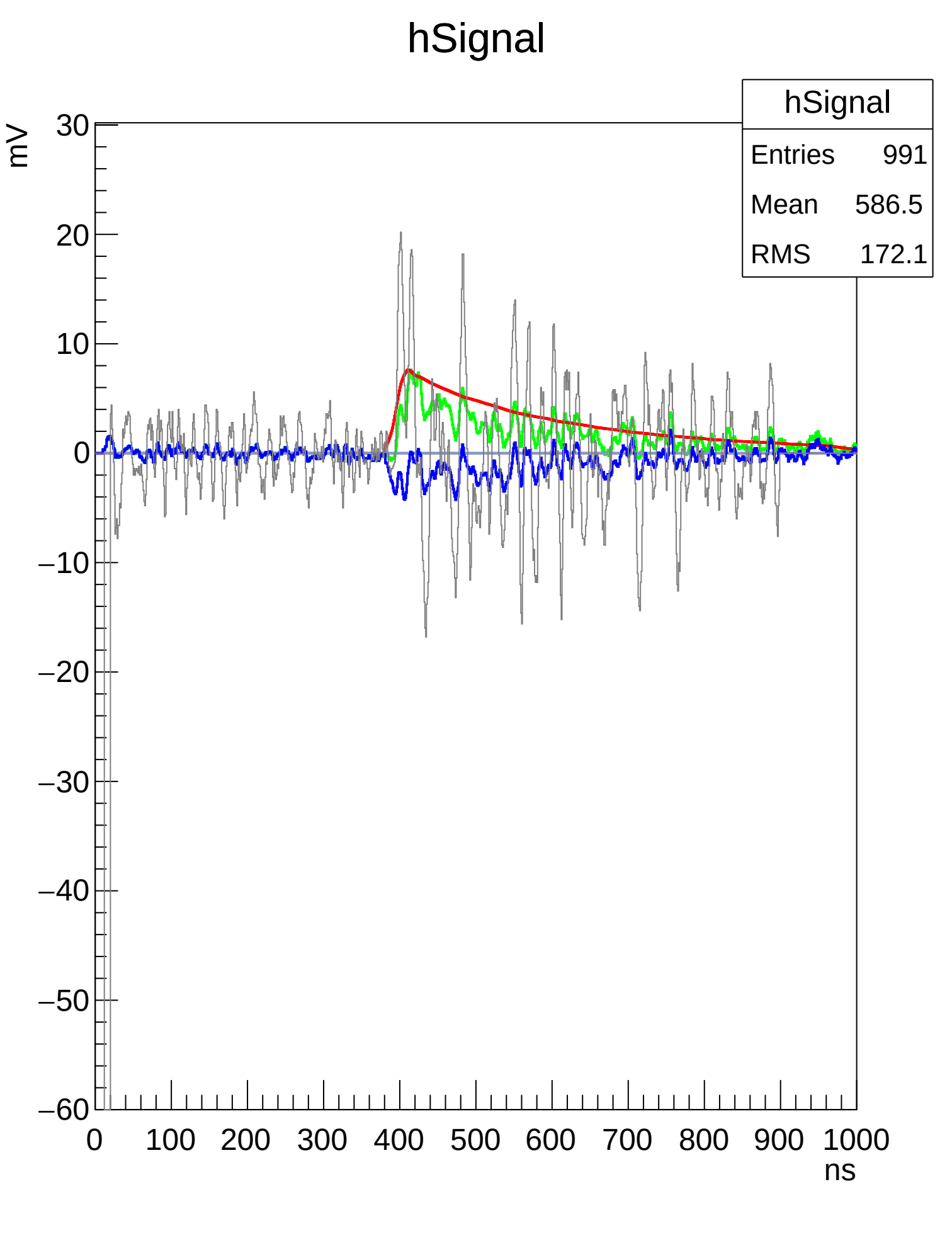
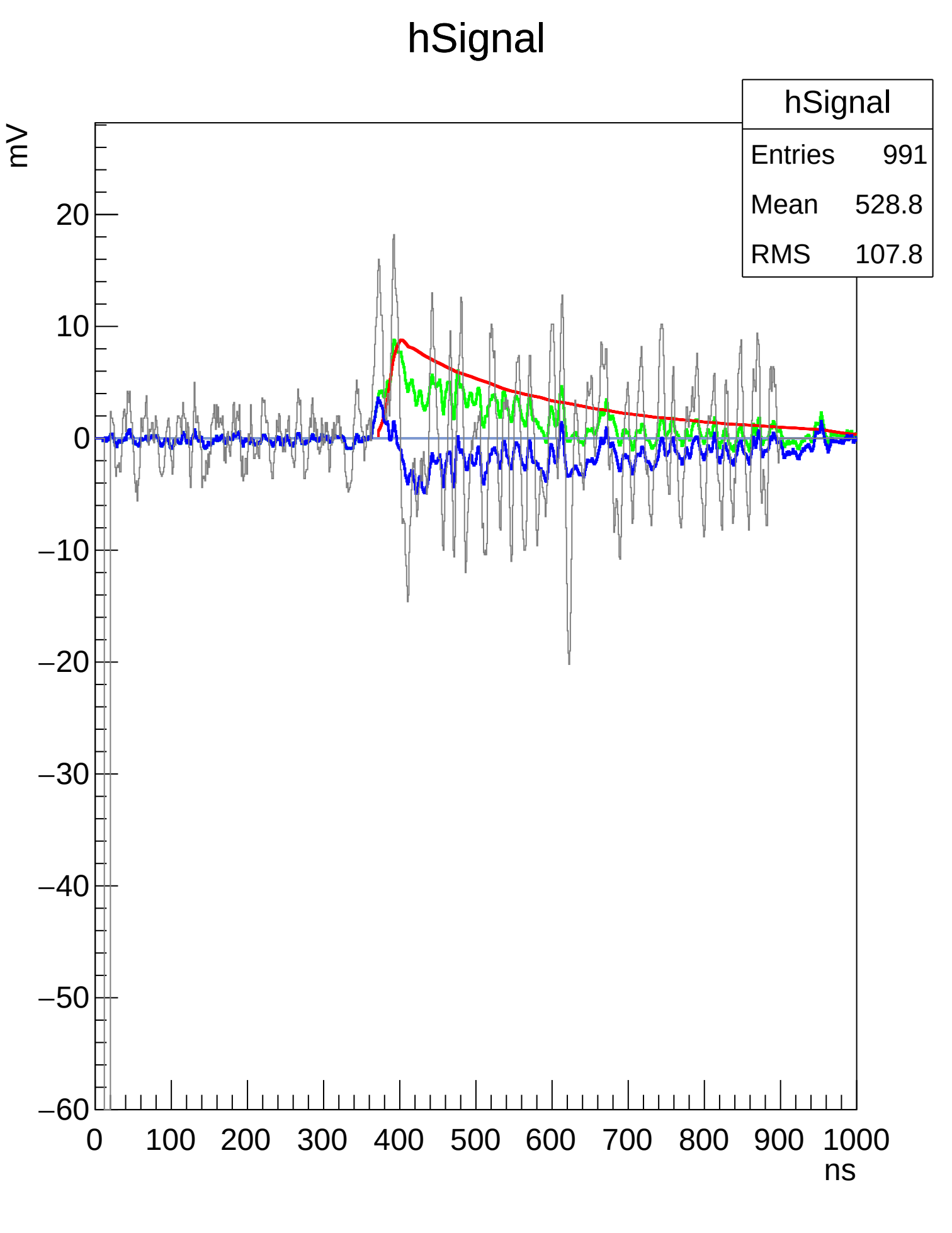
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.5
RMS 172.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 528.8
RMS 107.8
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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400
500
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800
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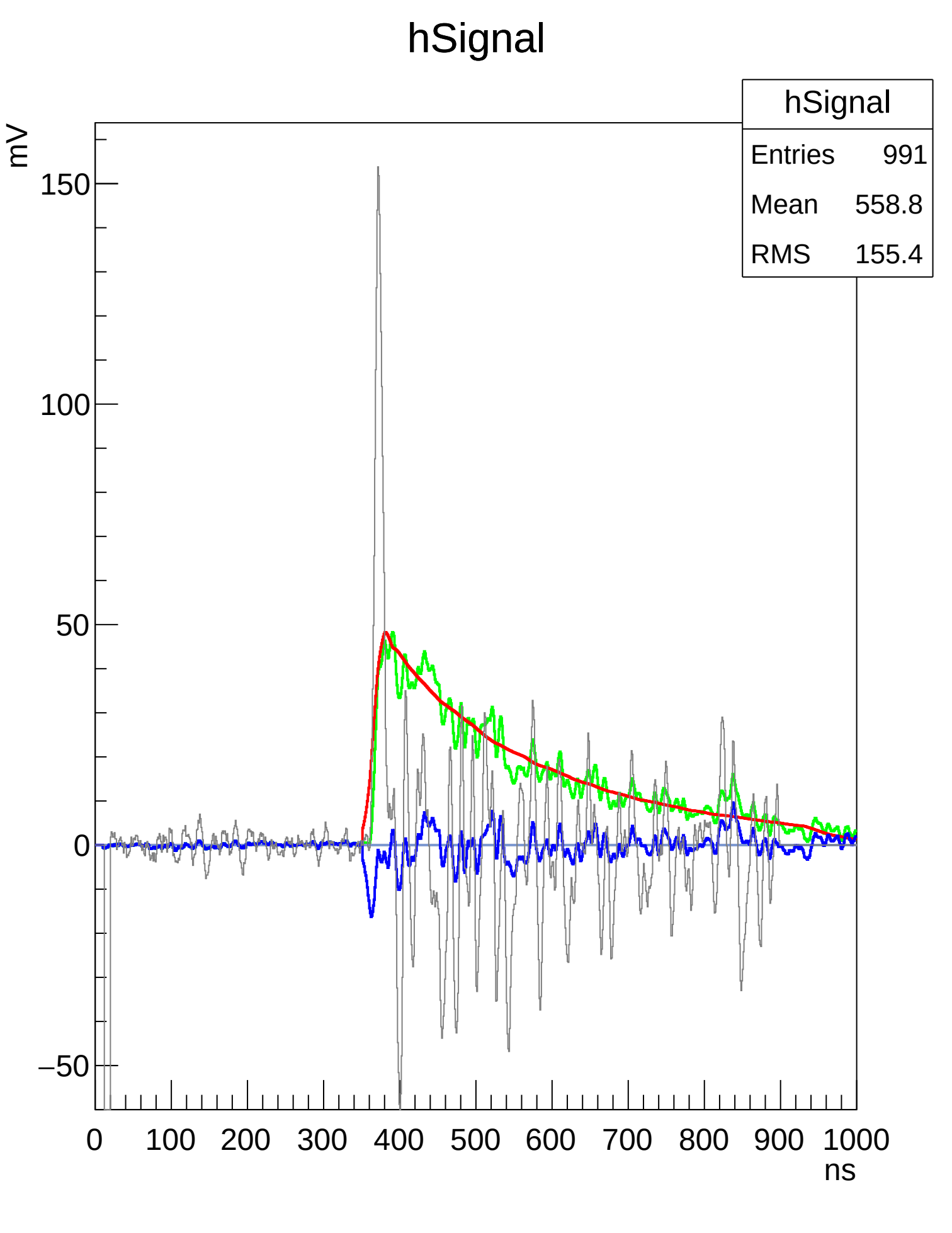
1000
ns


hSignal
hSignal
Entries 991
Mean 558.8
RMS 155.4
mV
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100
50
0
−50
0
100
200
300
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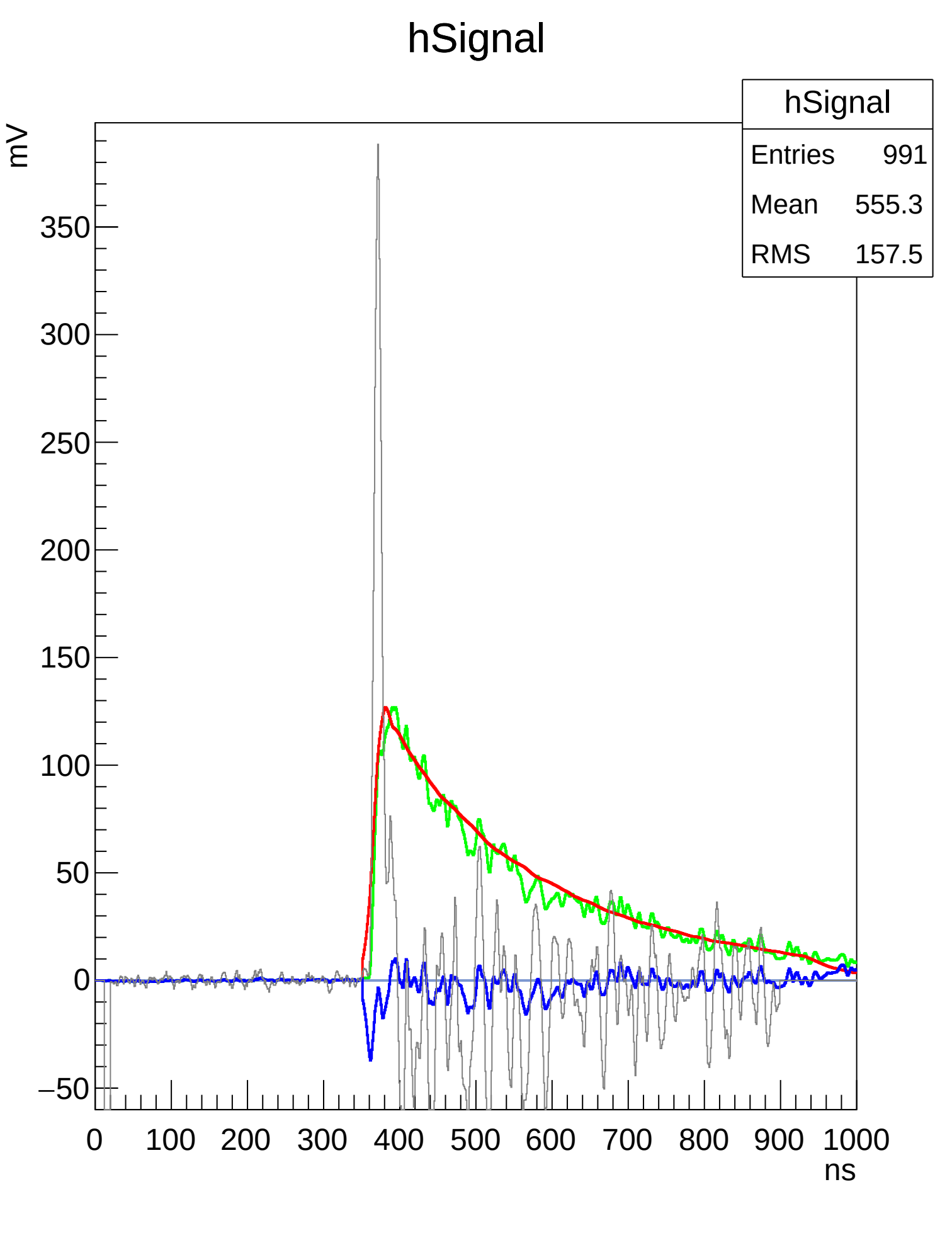
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.3
RMS 157.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
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400
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600
700
800
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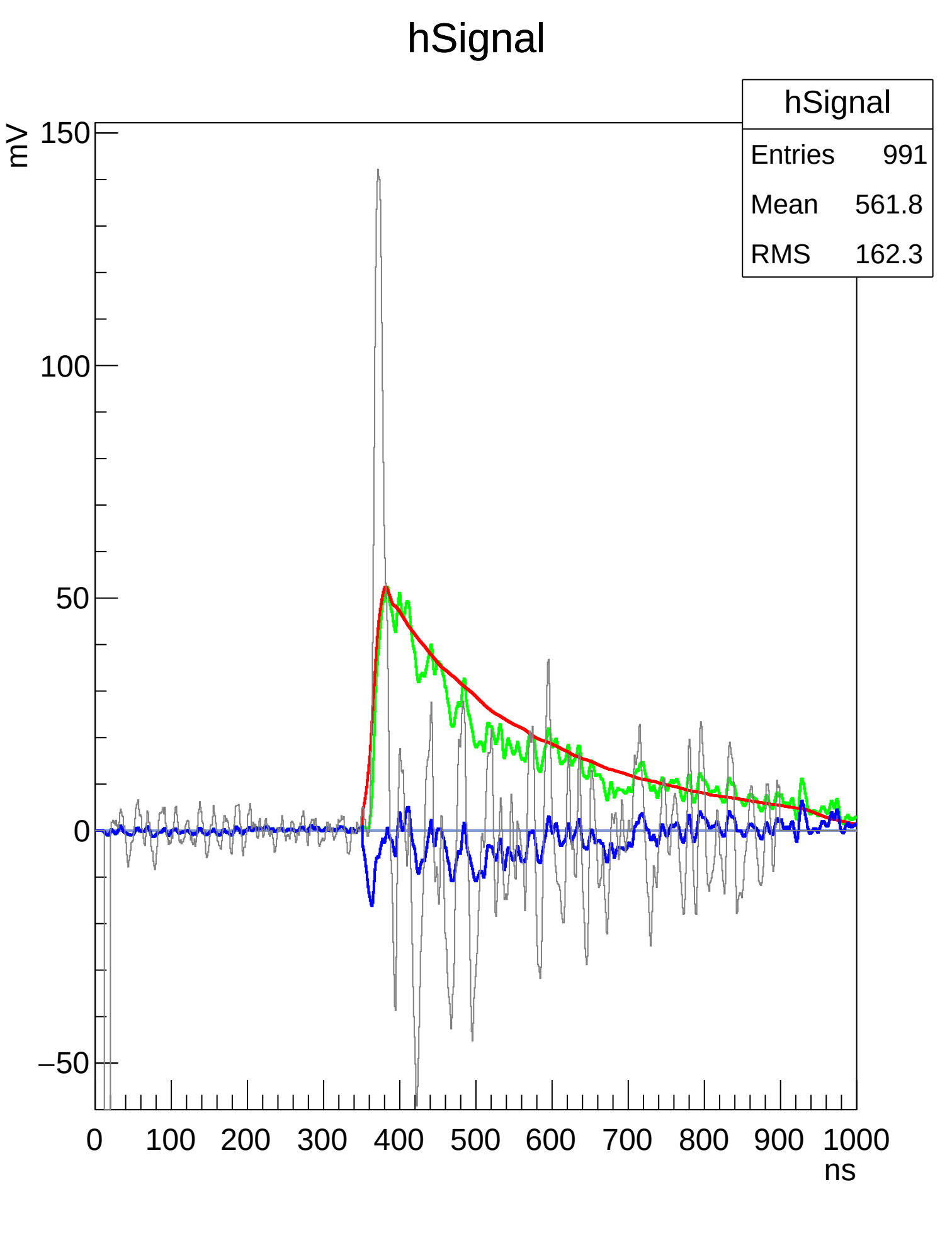
1000
ns


hSignal
hSignal
Entries 991
Mean 561.8
RMS 162.3
mV
150
100
50
0
−50
0
100
200
300
400
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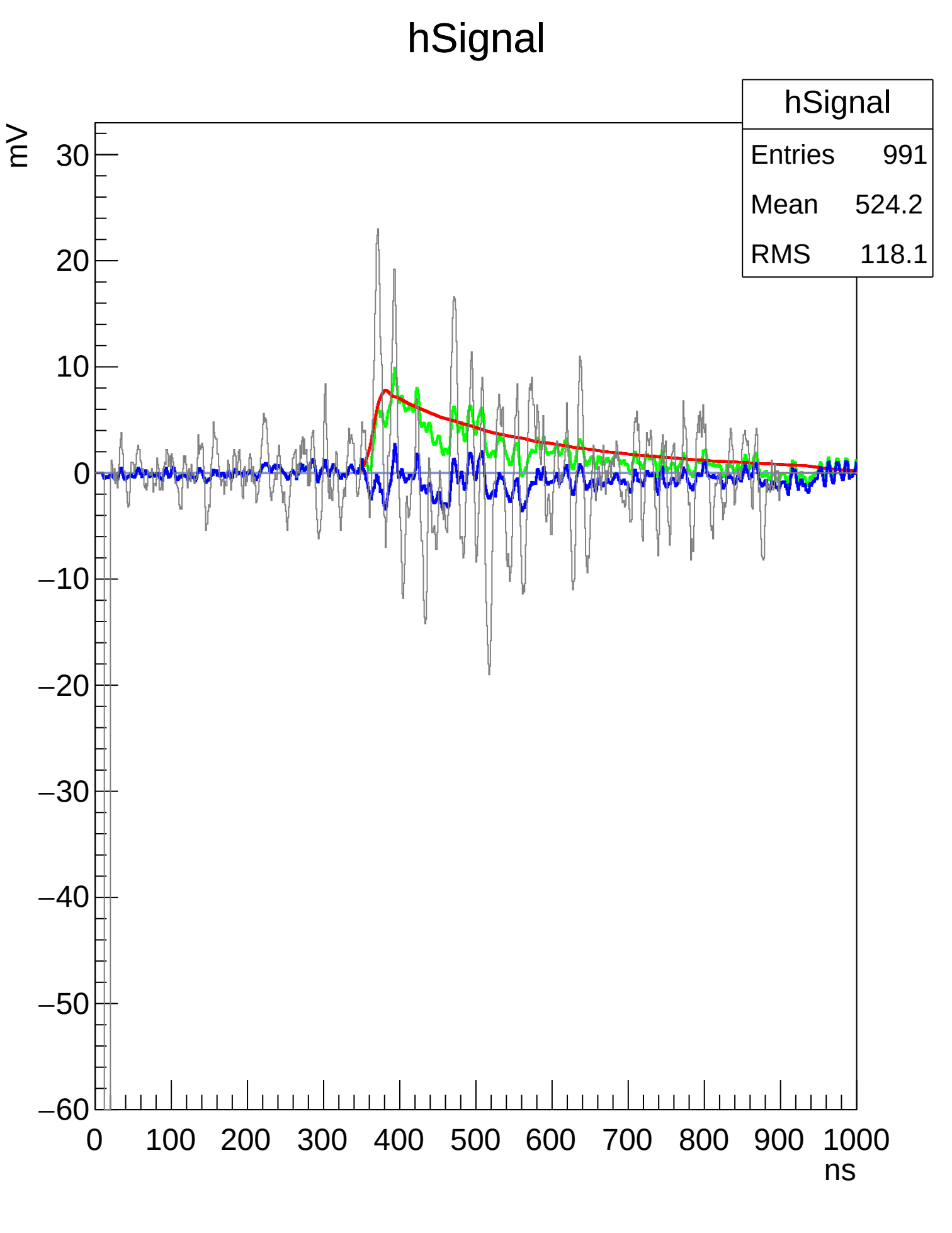
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.2
RMS 118.1
mV
30
20
10
0
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−20
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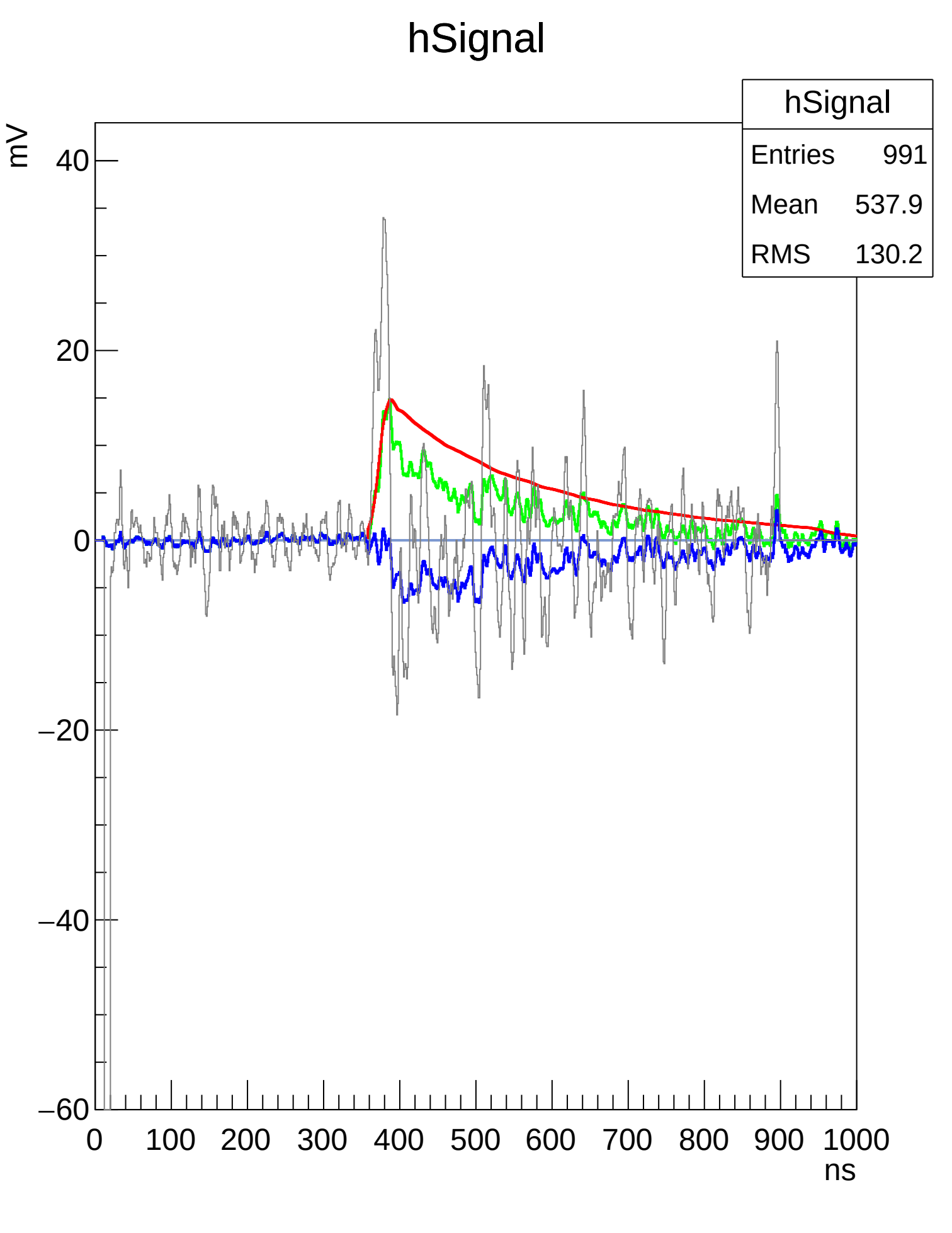
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.9
RMS 130.2
mV
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−20
−40
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0
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400
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600
700
800
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1000
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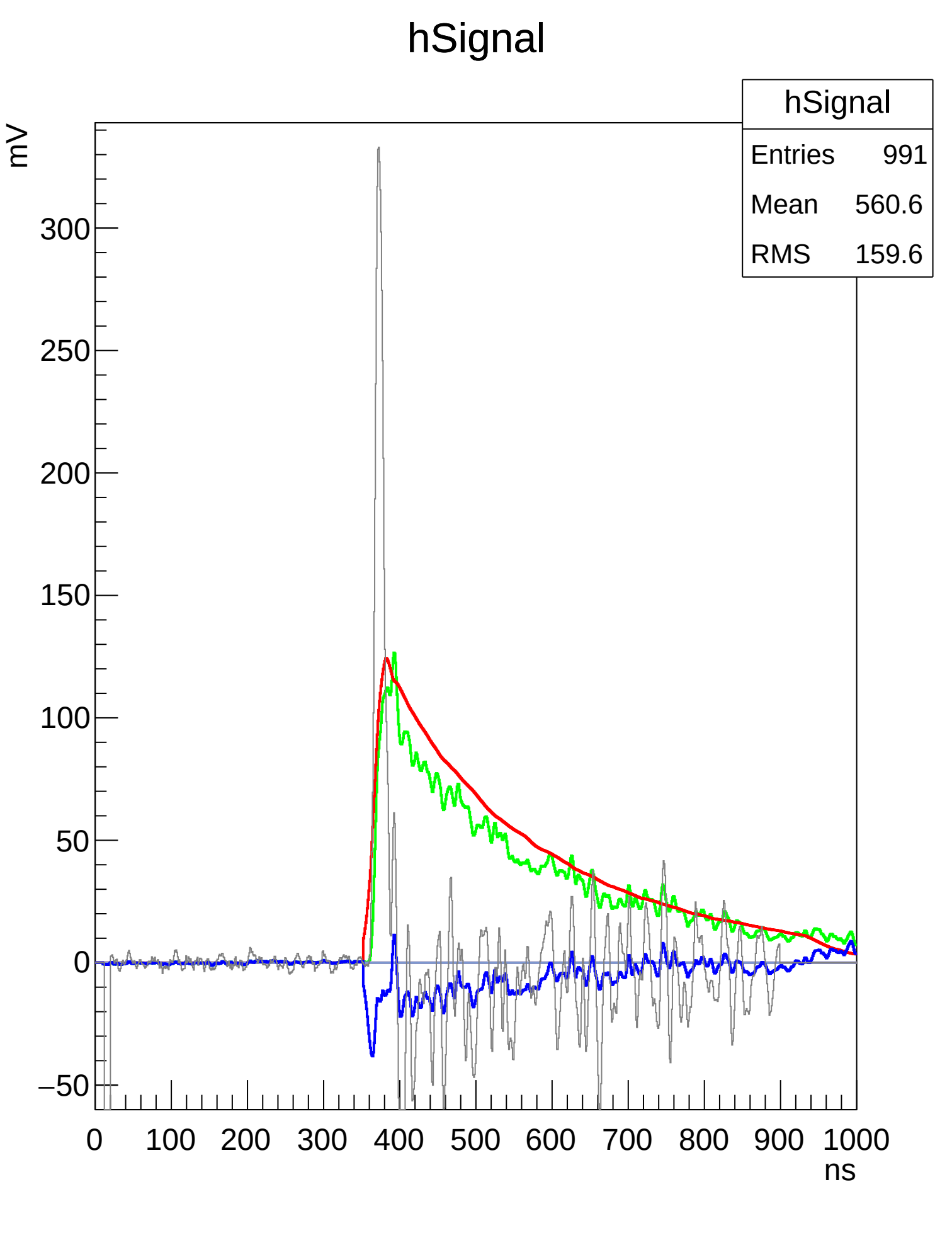
hSignal
hSignal
Entries 991
Mean 560.6
RMS 159.6
mV
300
250
200
150
100
50
0
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0
100
200
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400
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600
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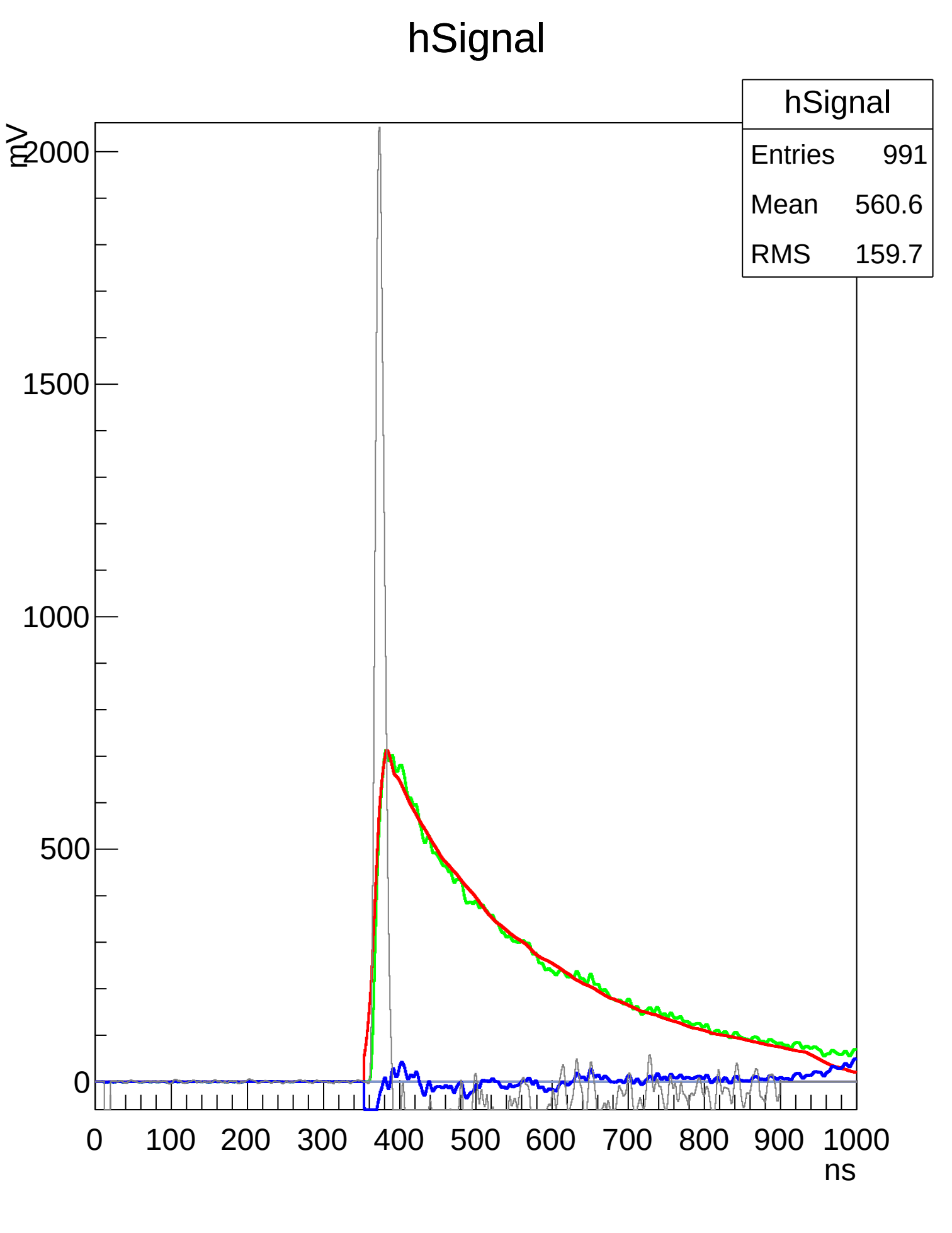
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.6
RMS 159.7
mV
2000
1500
1000
500
0
0
100
200
300
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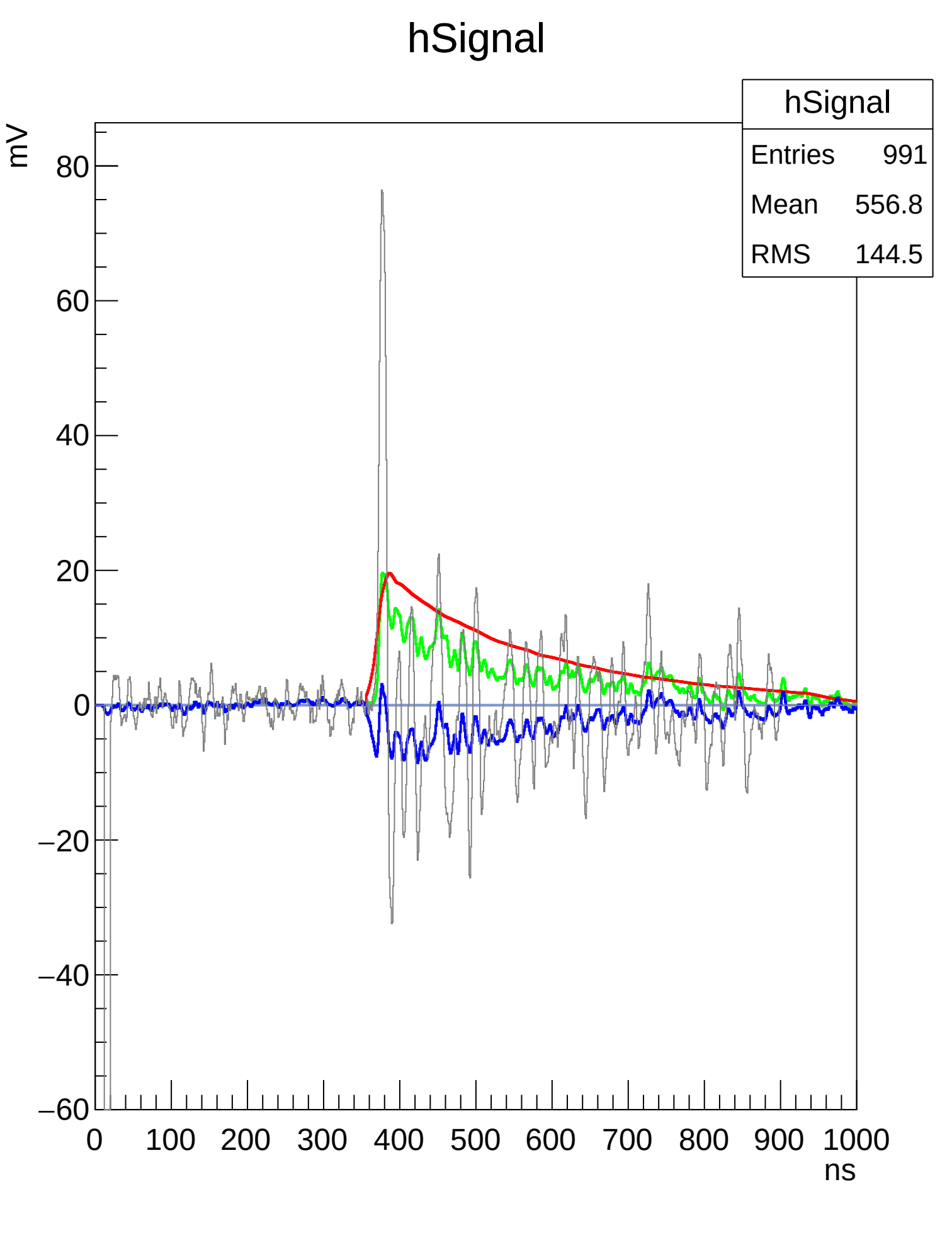
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.8
RMS 144.5
mV
80
60
40
20
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−20
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800
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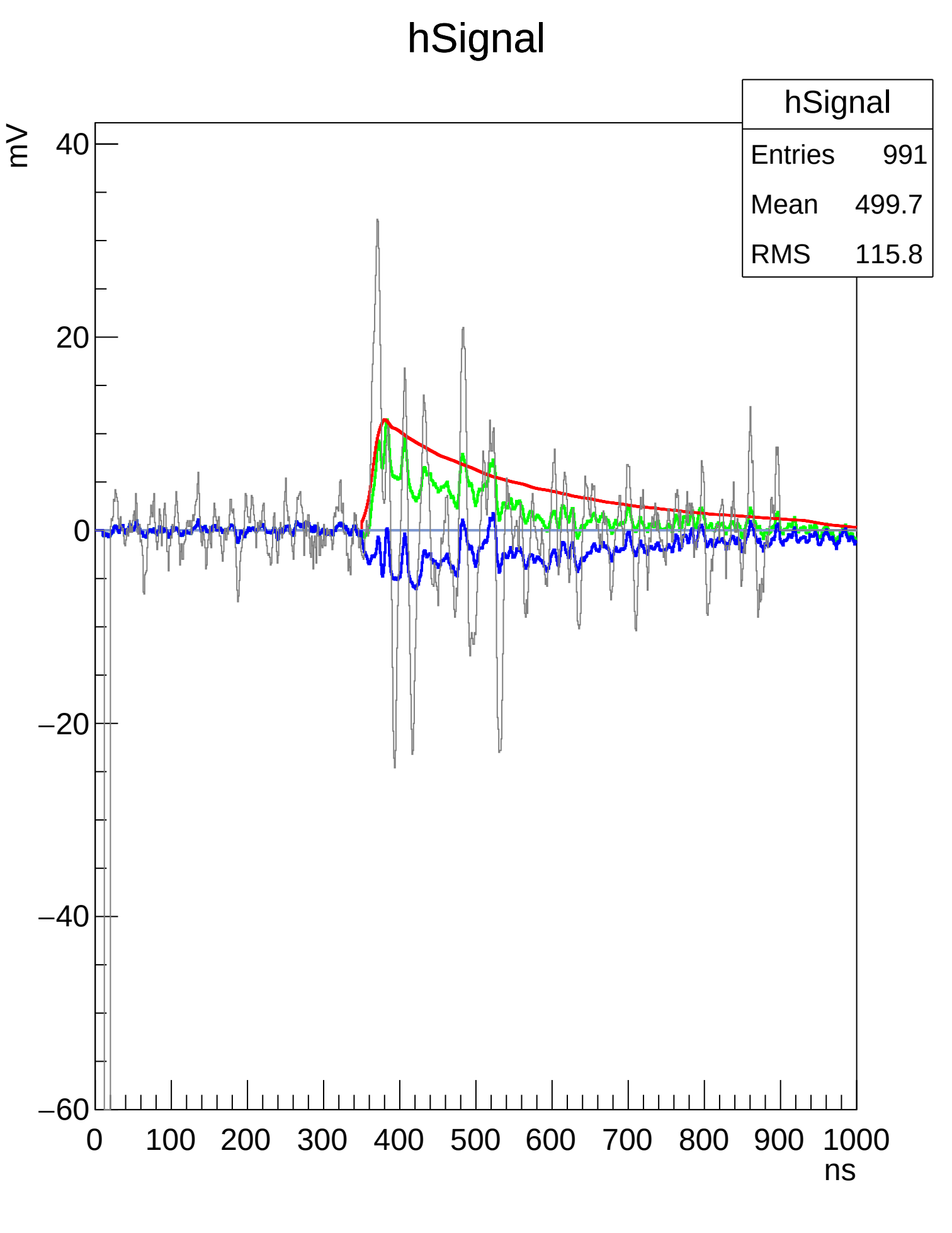
1000
ns


hSignal
hSignal
Entries 991
Mean 499.7
RMS 115.8
mV
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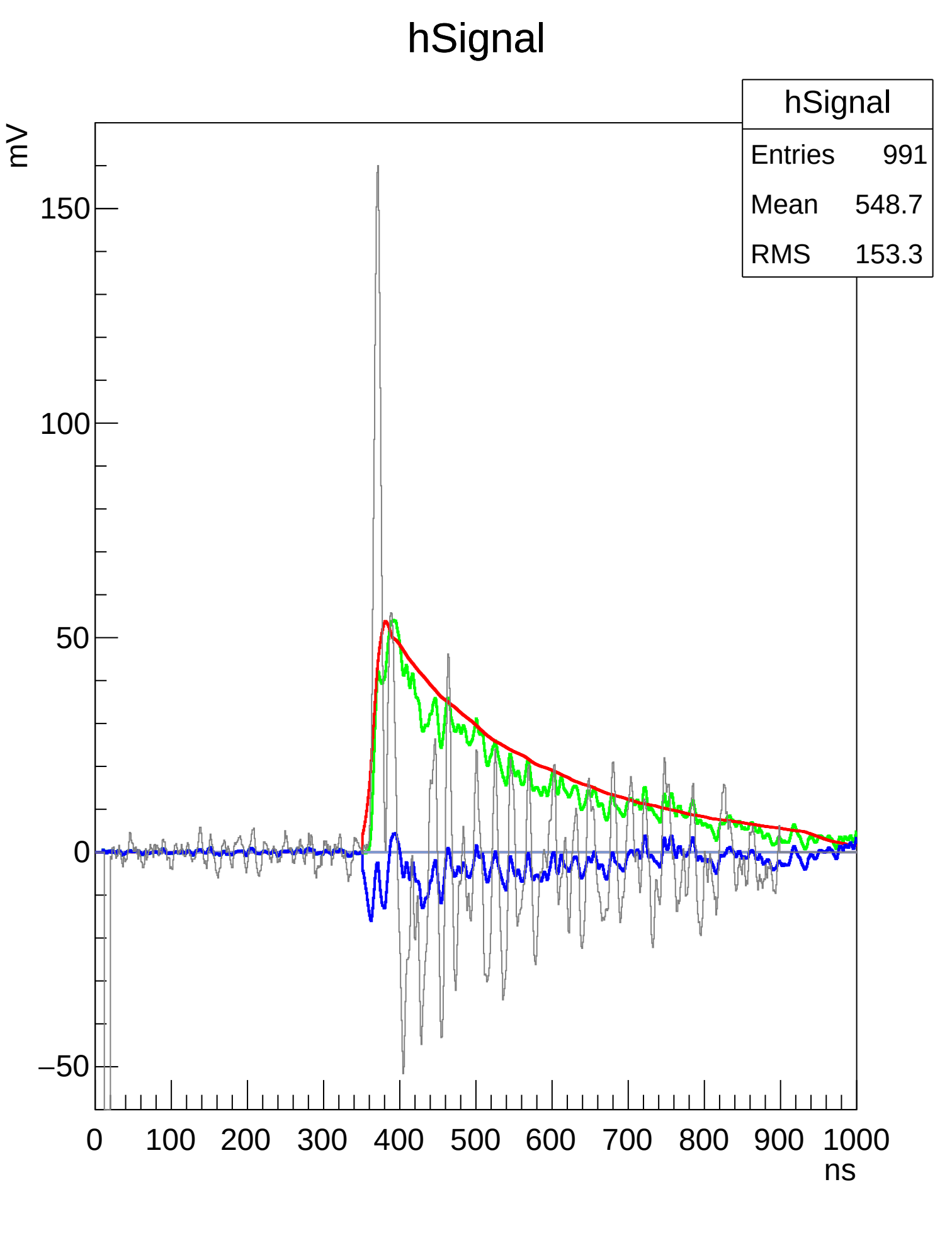
ns


hSignal
hSignal
Entries 991
Mean 548.7
RMS 153.3
mV
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100
50
0
−50
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100
200
300
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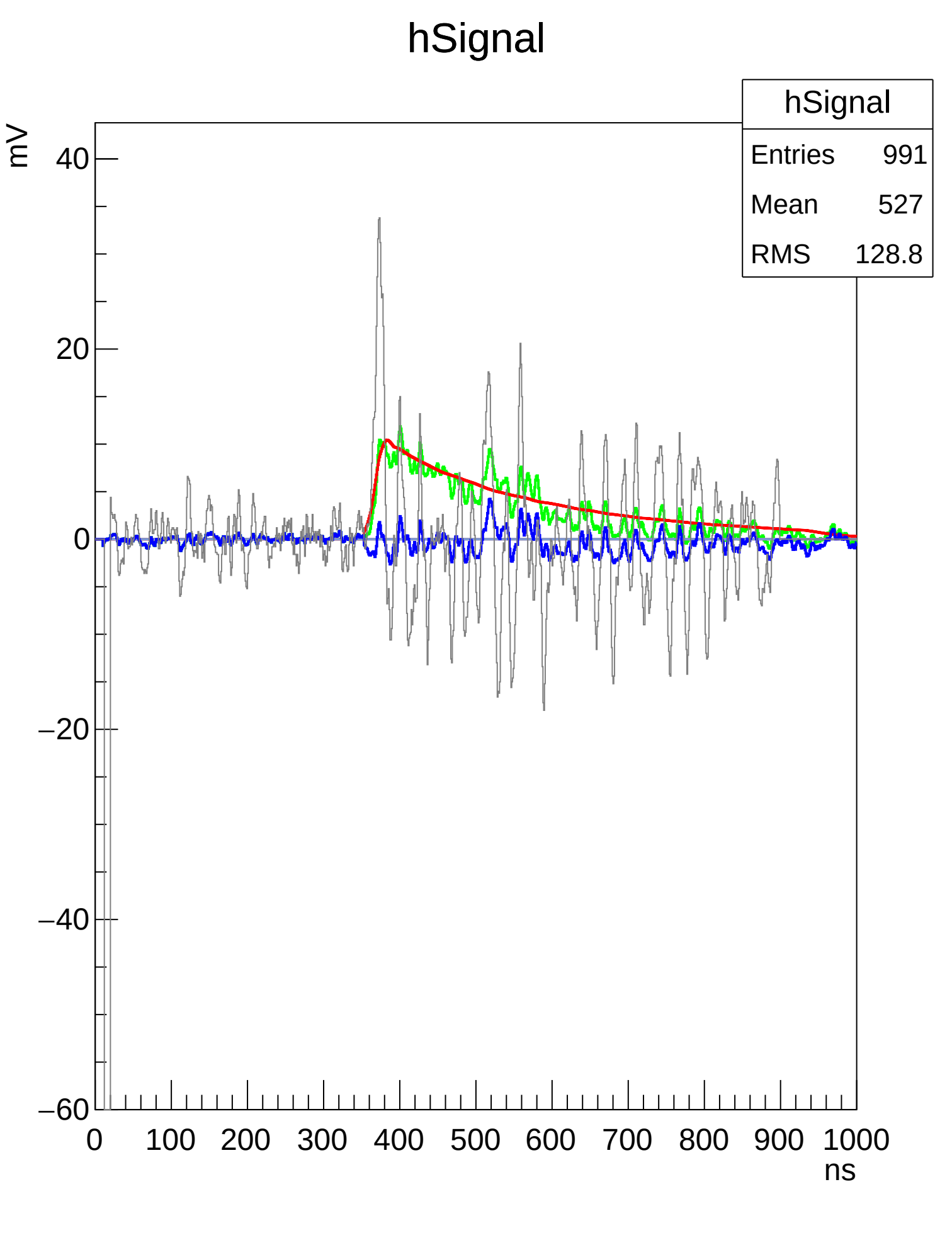
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 527
RMS 128.8
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−20
−40
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100
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800
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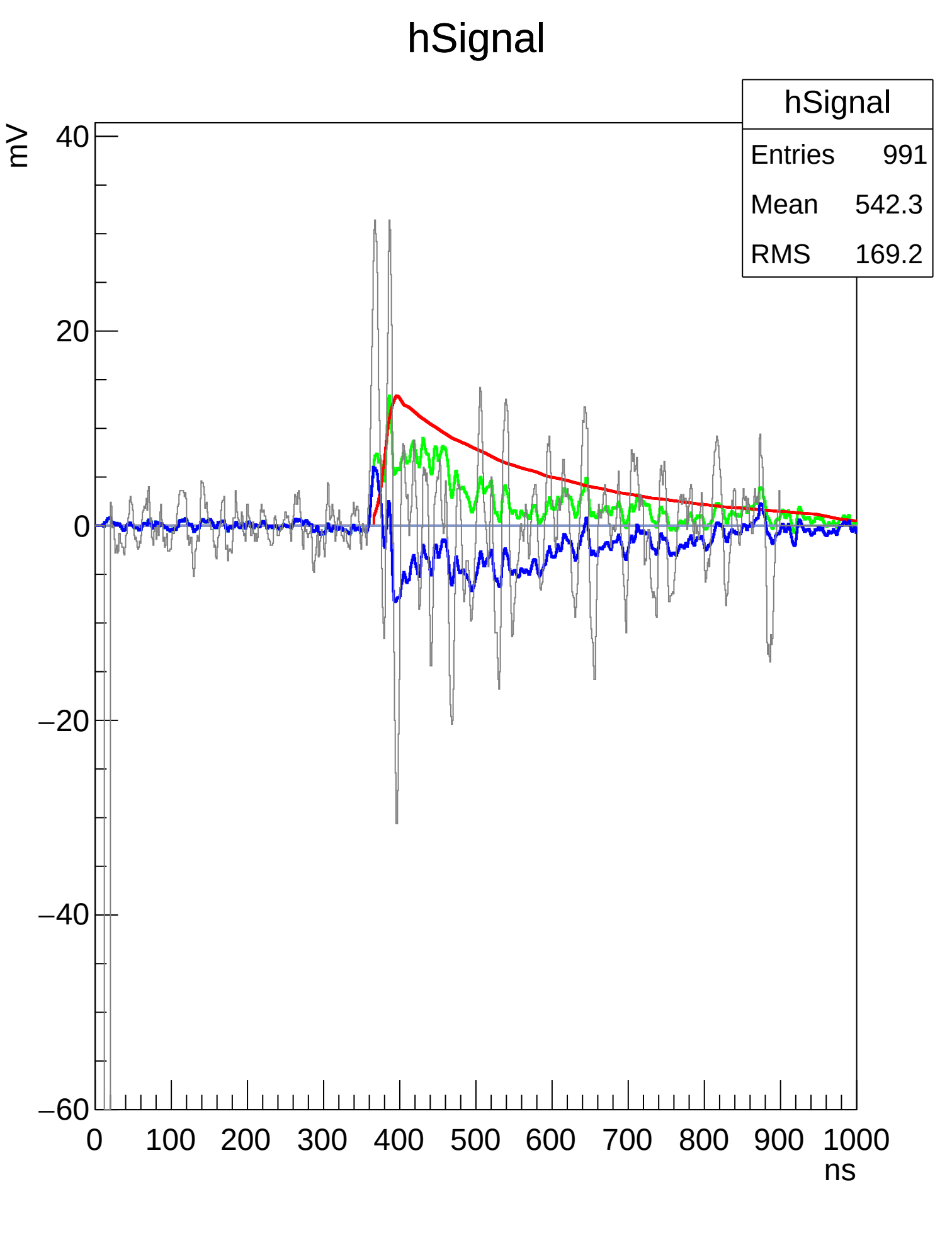
1000
ns


hSignal
hSignal
Entries 991
Mean 542.3
RMS 169.2
mV
40
20
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−20
−40
−60
0
100
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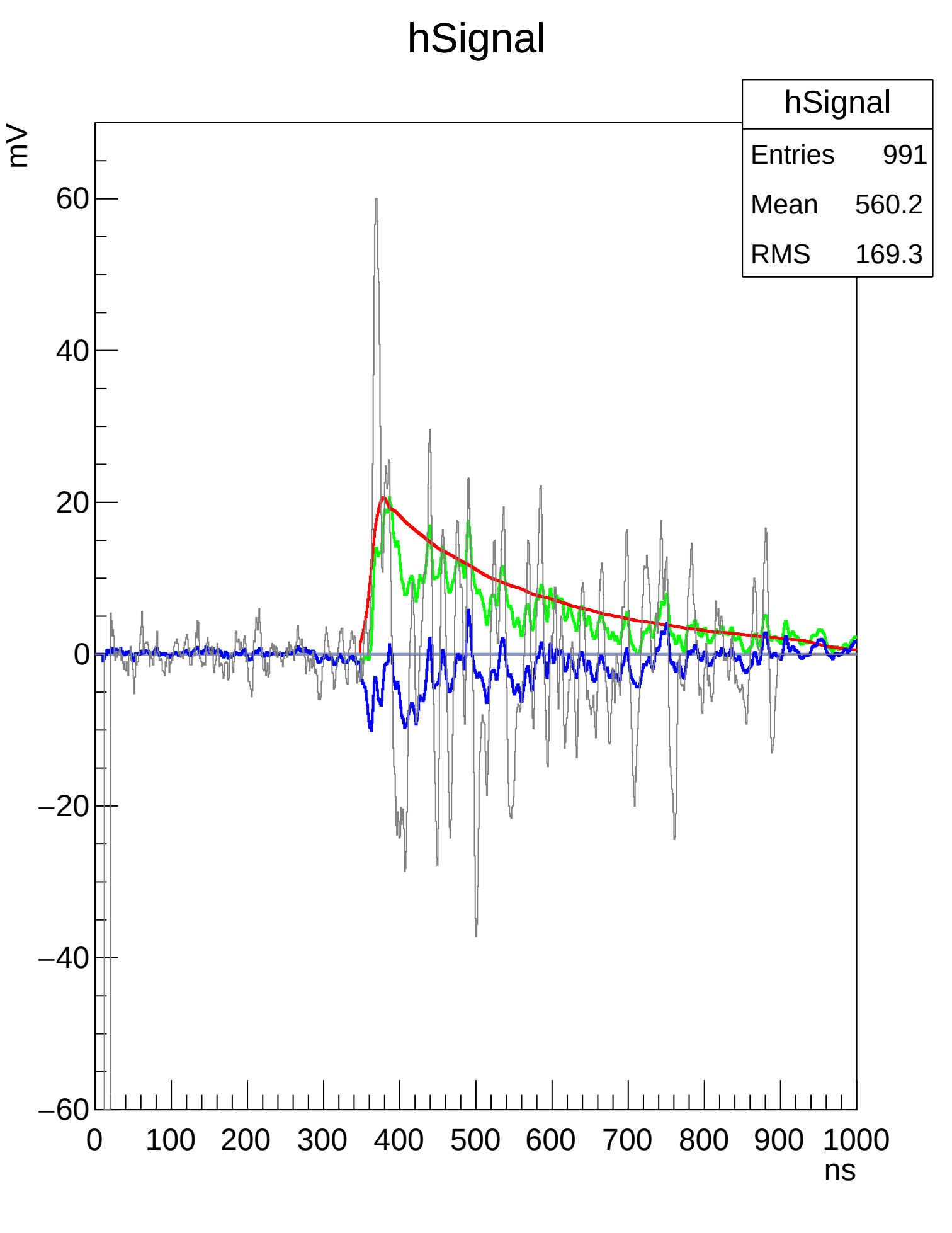
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.2
RMS 169.3
mV
60
40
20
0
−20
−40
−60
0
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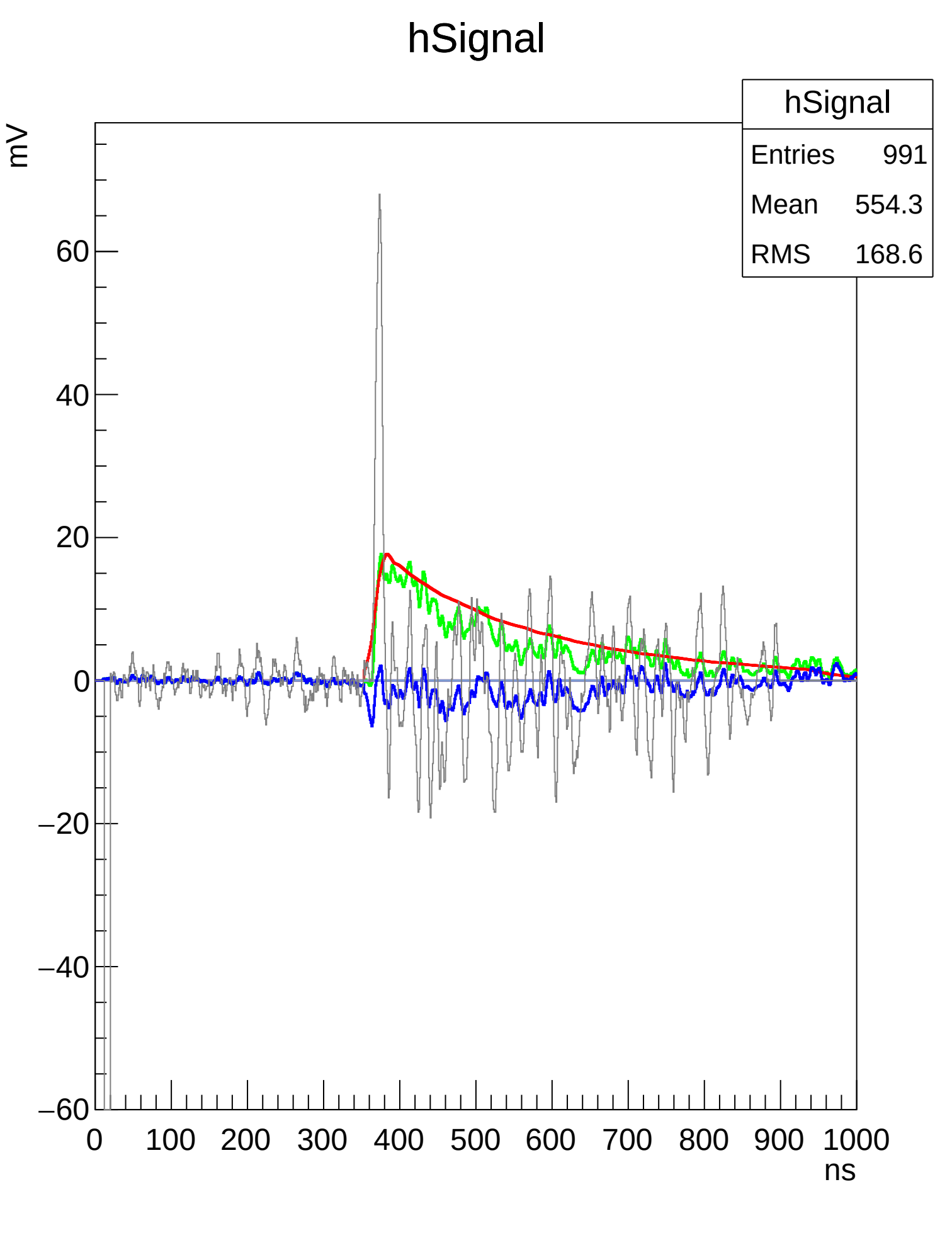
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.3
RMS 168.6
mV
60
40
20
0
−20
−40
−60
0
100
200
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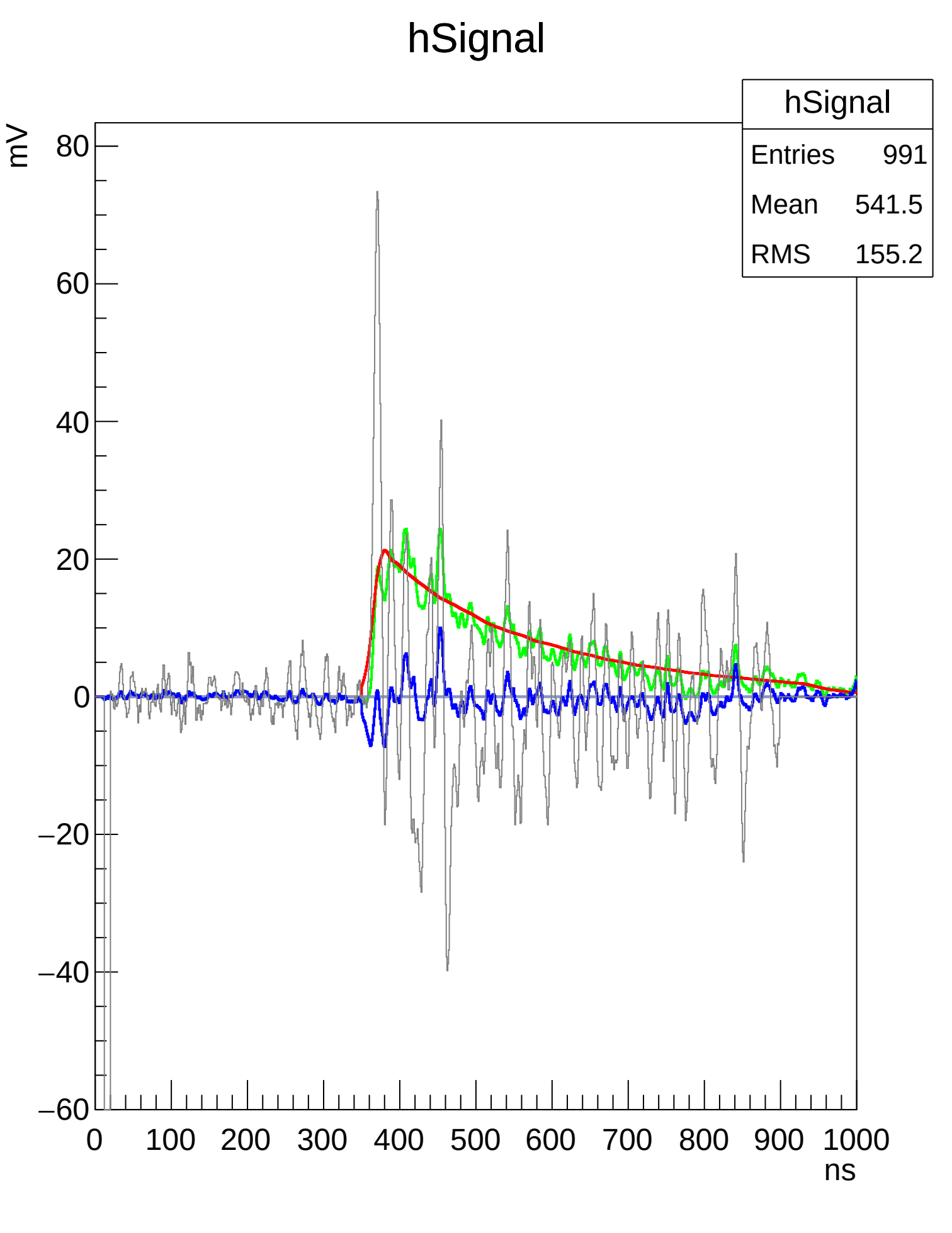
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 541.5
RMS 155.2
mV
80
60
40
20
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−20
−40
−60
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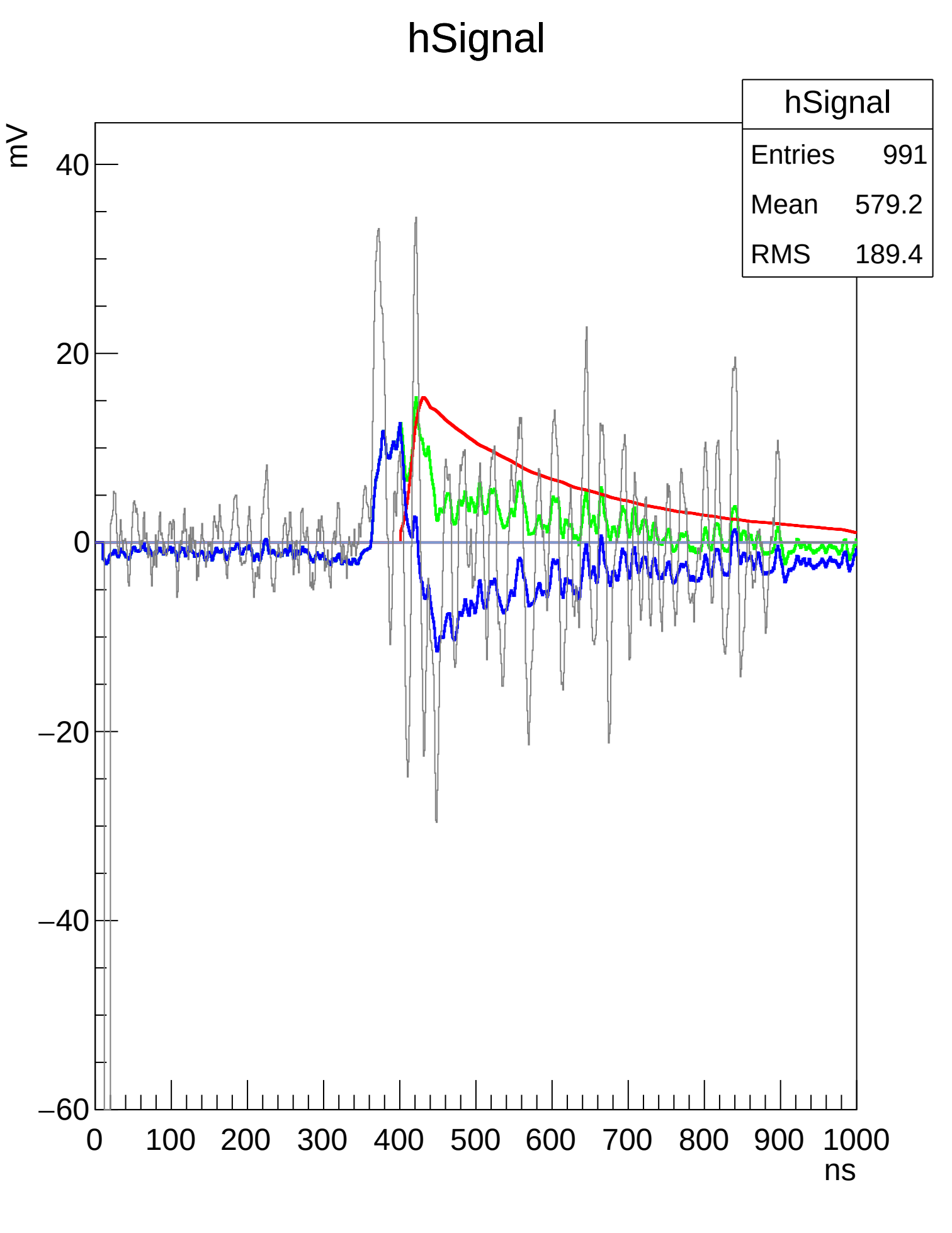
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.2
RMS 189.4
mV
40
20
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−20
−40
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0
100
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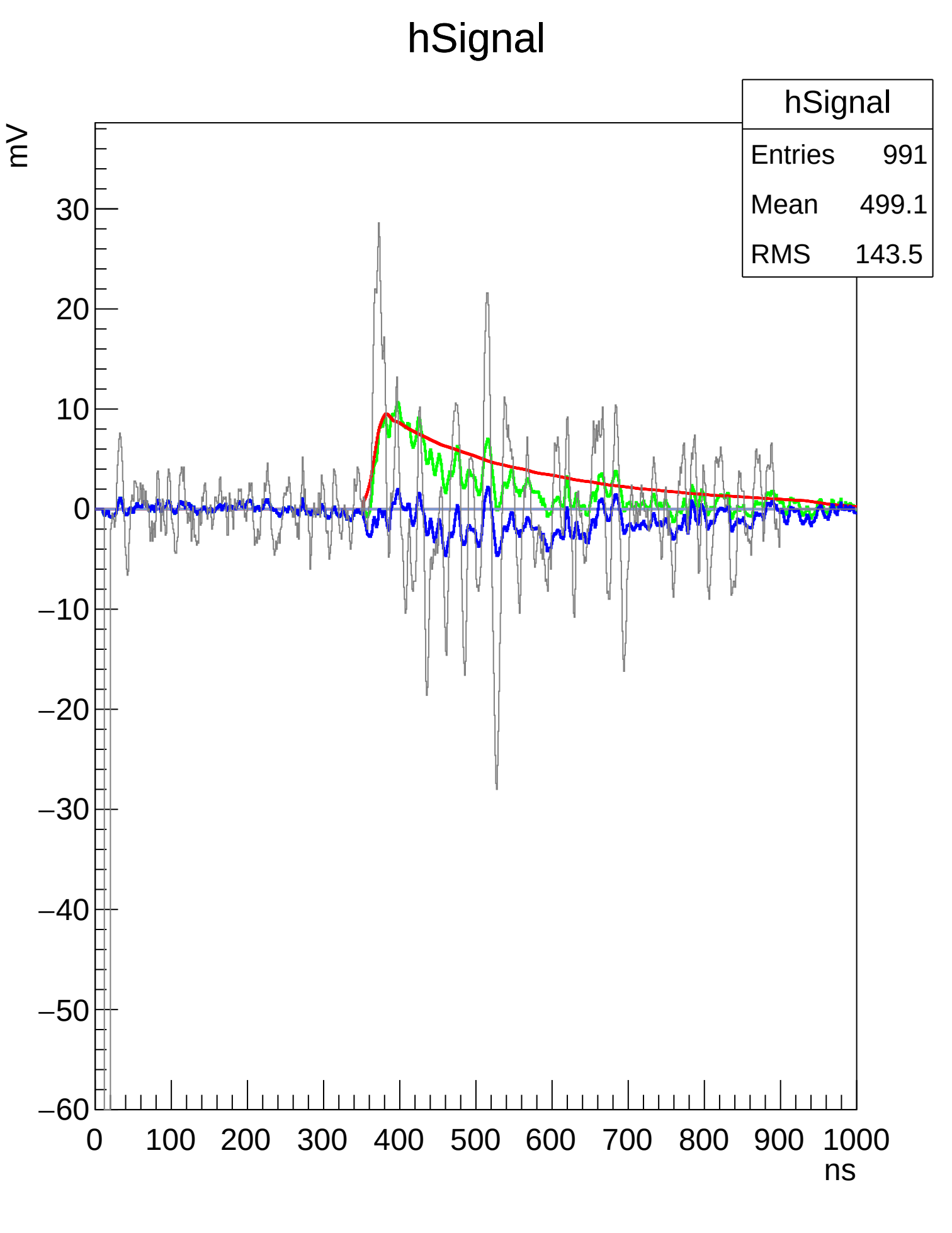
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.1
RMS 143.5
mV
30
20
10
0
−10
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−40
−50
−60
0
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200
300
400
500
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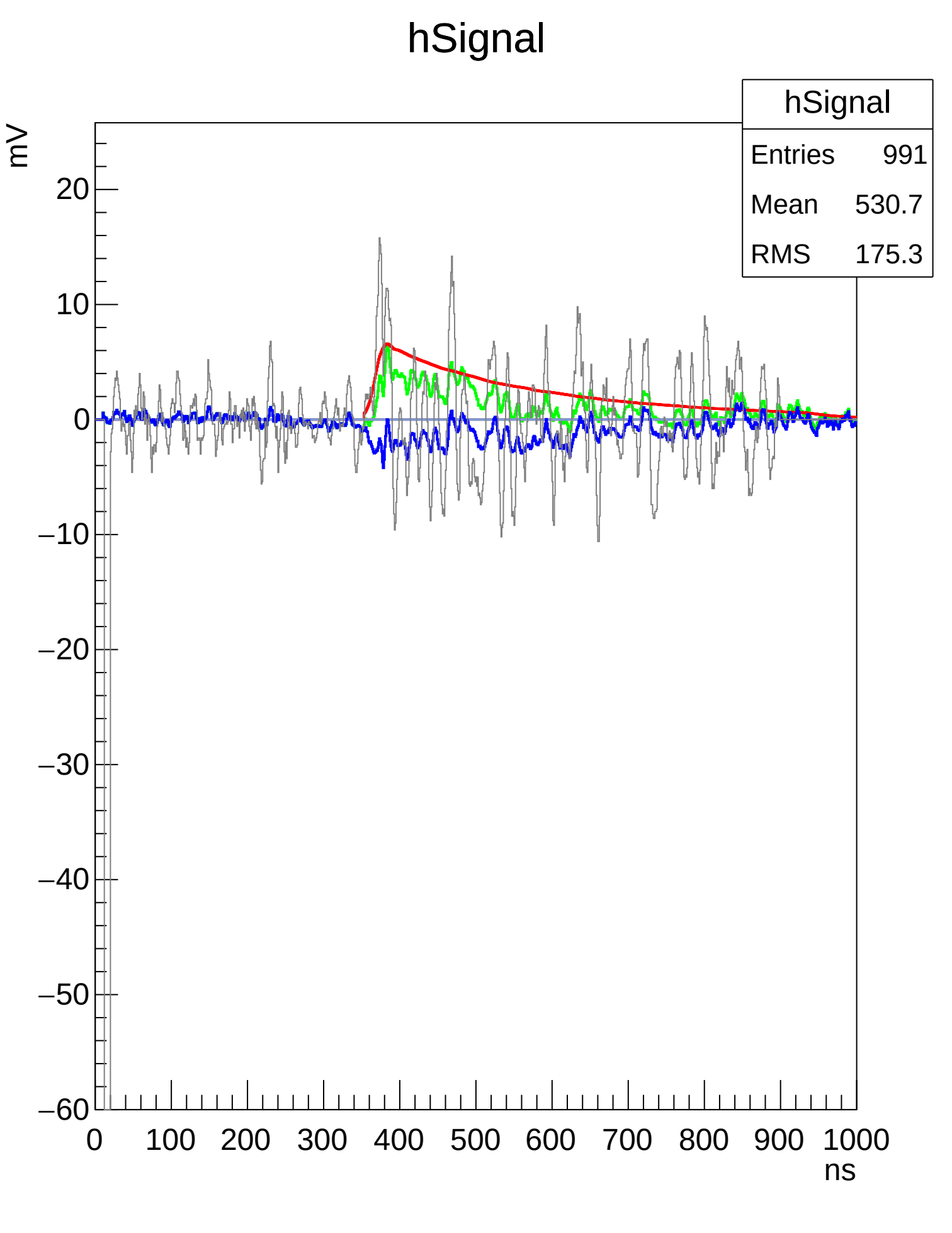
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530.7
RMS 175.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
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1000
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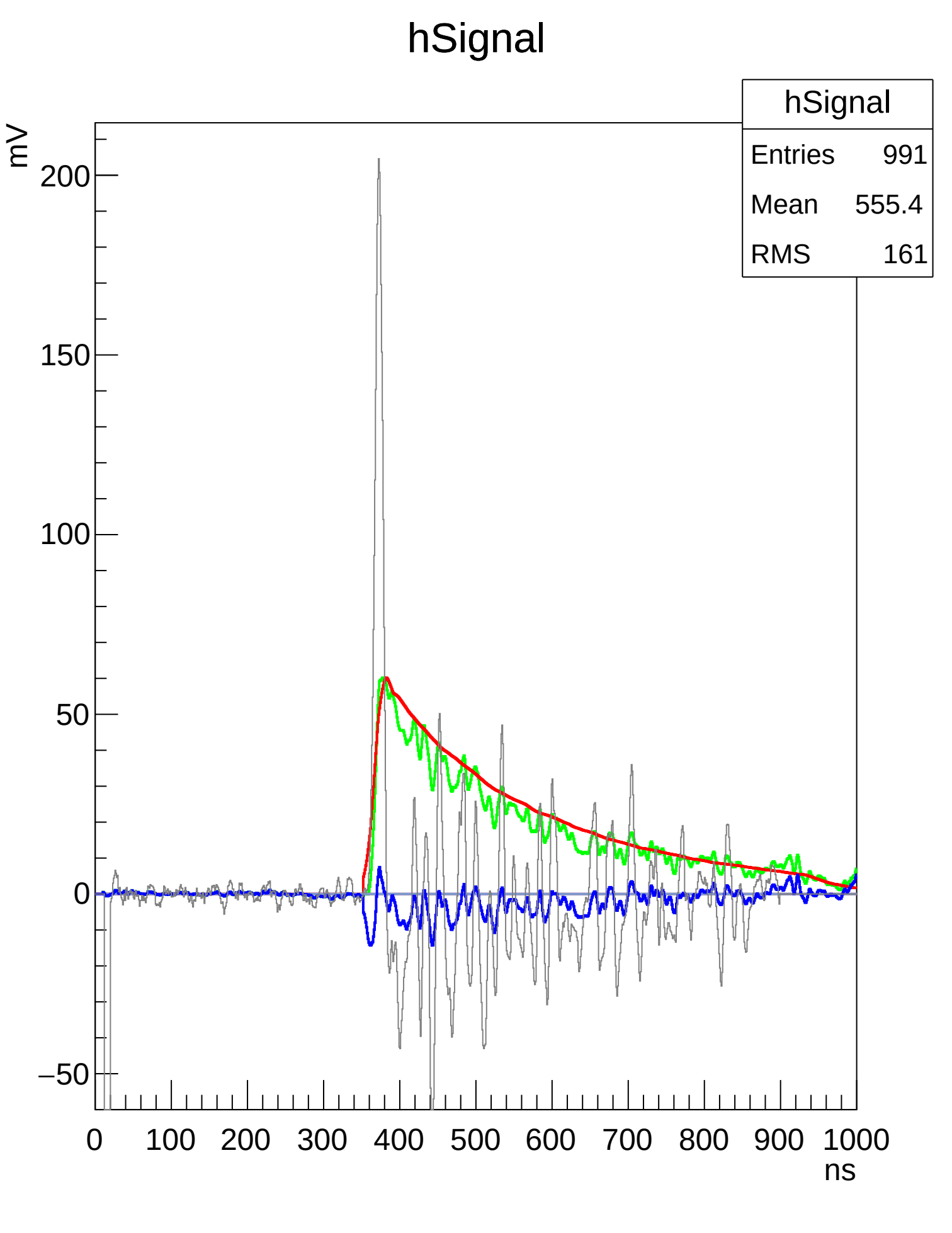
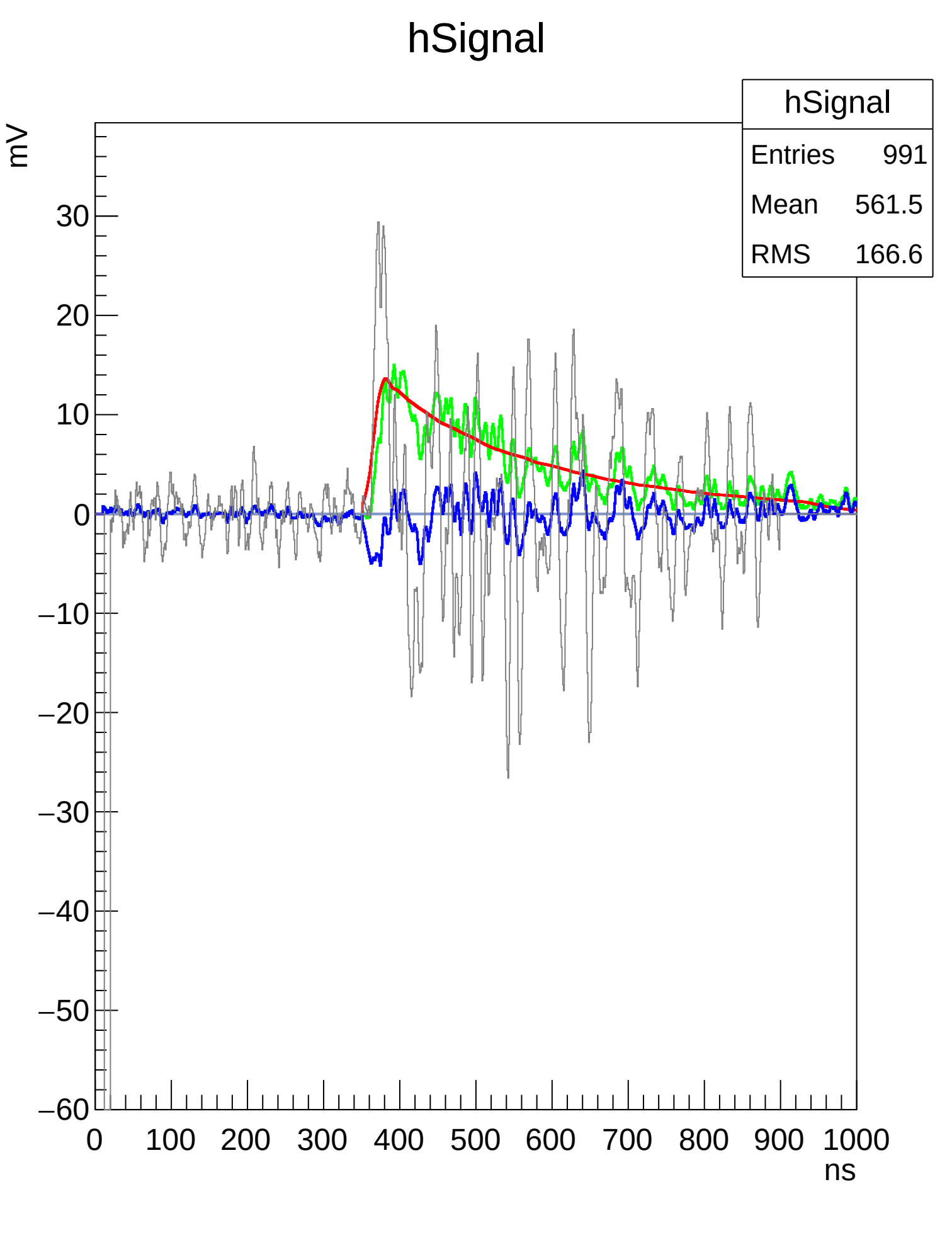

hSignal
hSignal
Entries 991
Mean 555.4
RMS 161
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.5
RMS 166.6
mV
30
20
10
0
−10
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−40
−50
−60
0
100
200
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400
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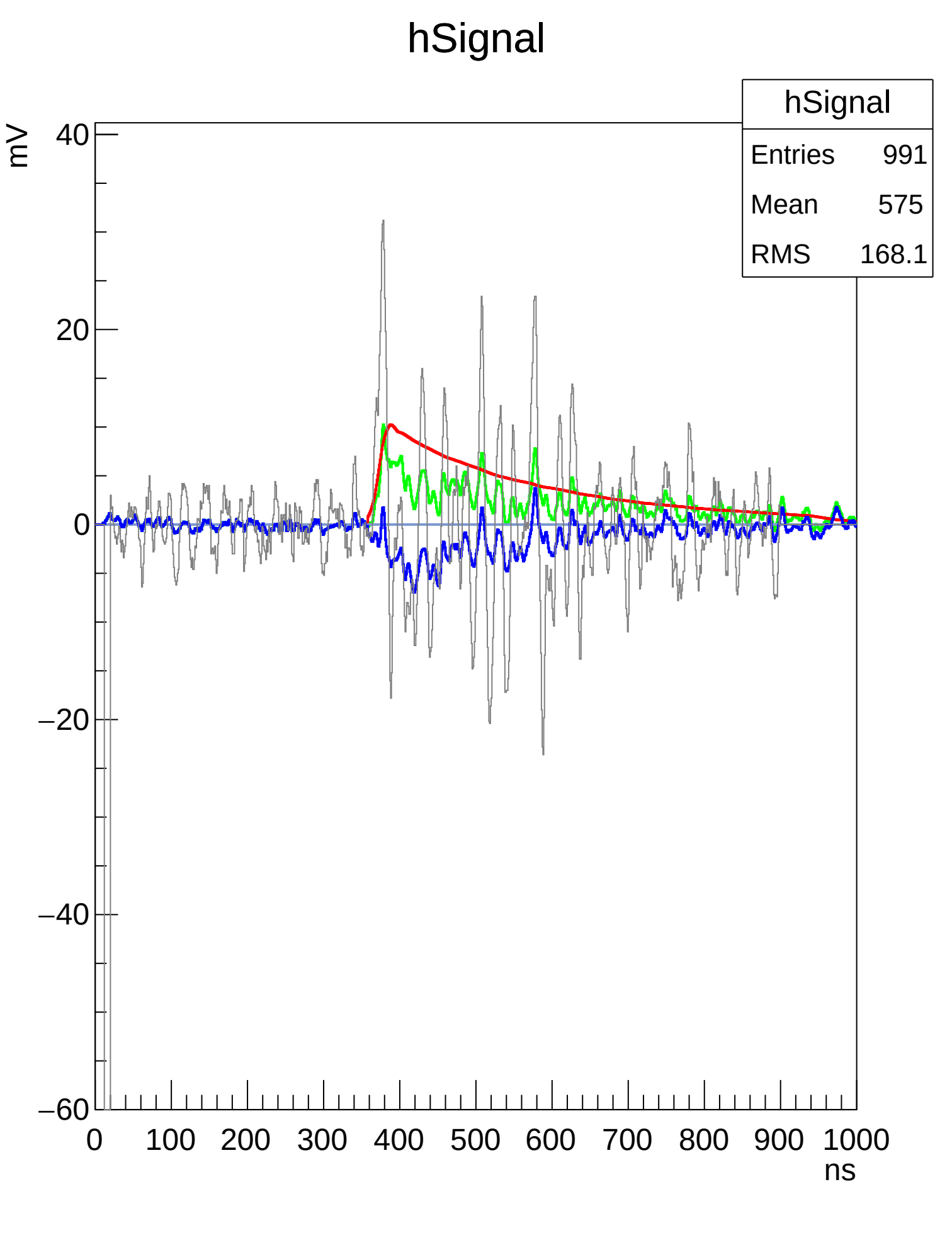
hSignal
hSignal
Entries 991
Mean 575
RMS 168.1
mV
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0
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200
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400
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800
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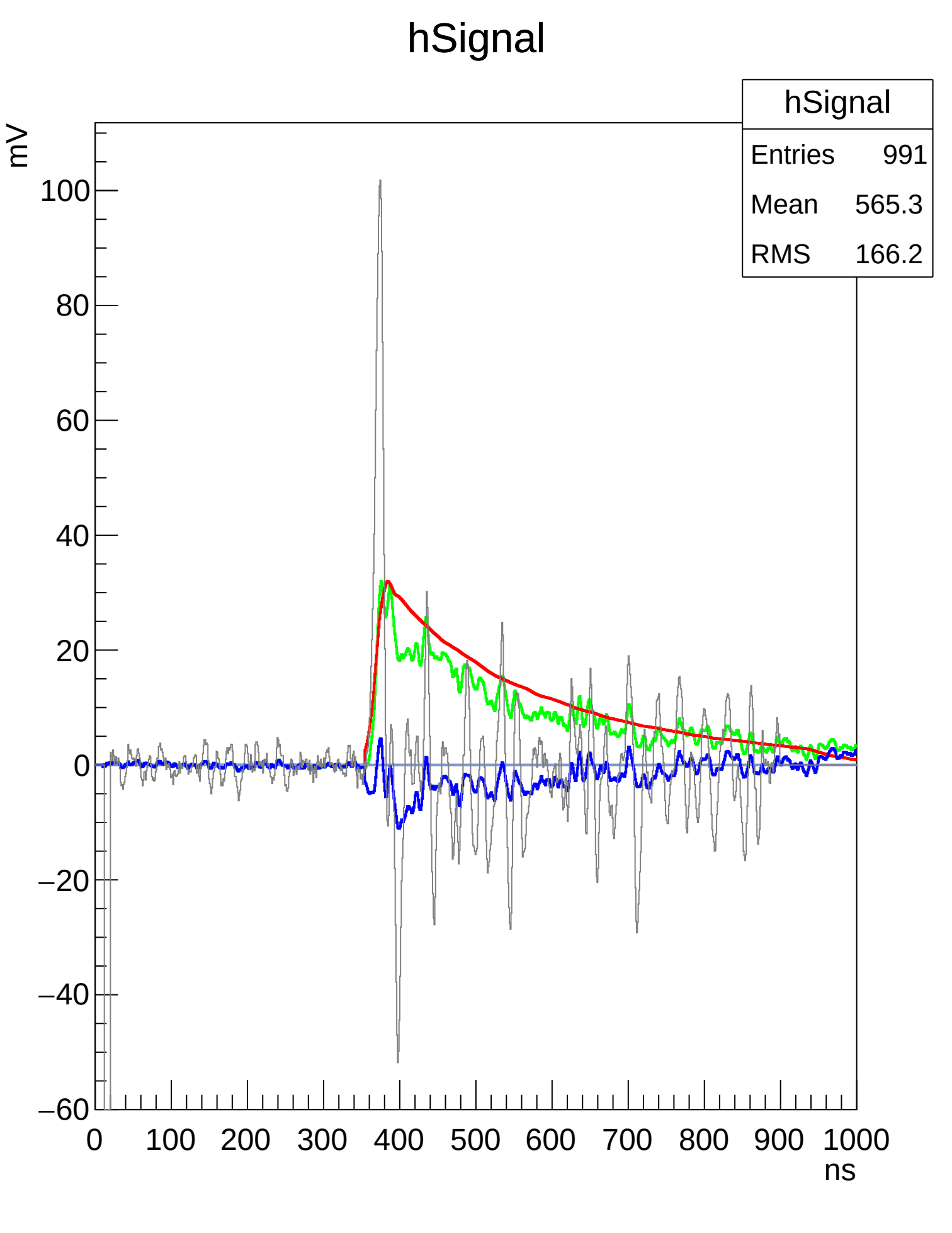
1000
ns


hSignal
hSignal
Entries 991
Mean 565.3
RMS 166.2
mV
100
80
60
40
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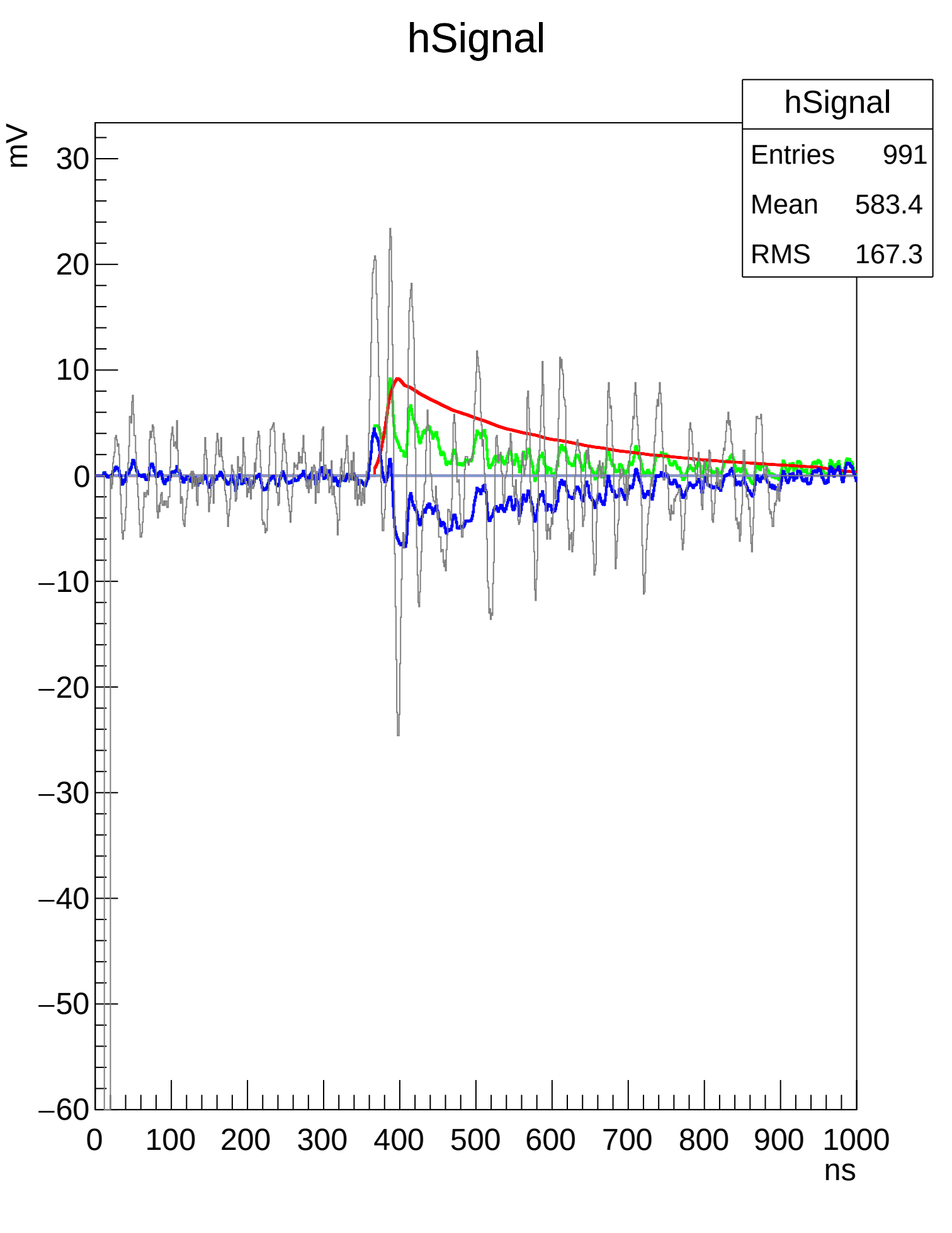
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 583.4
RMS 167.3
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
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800
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1000
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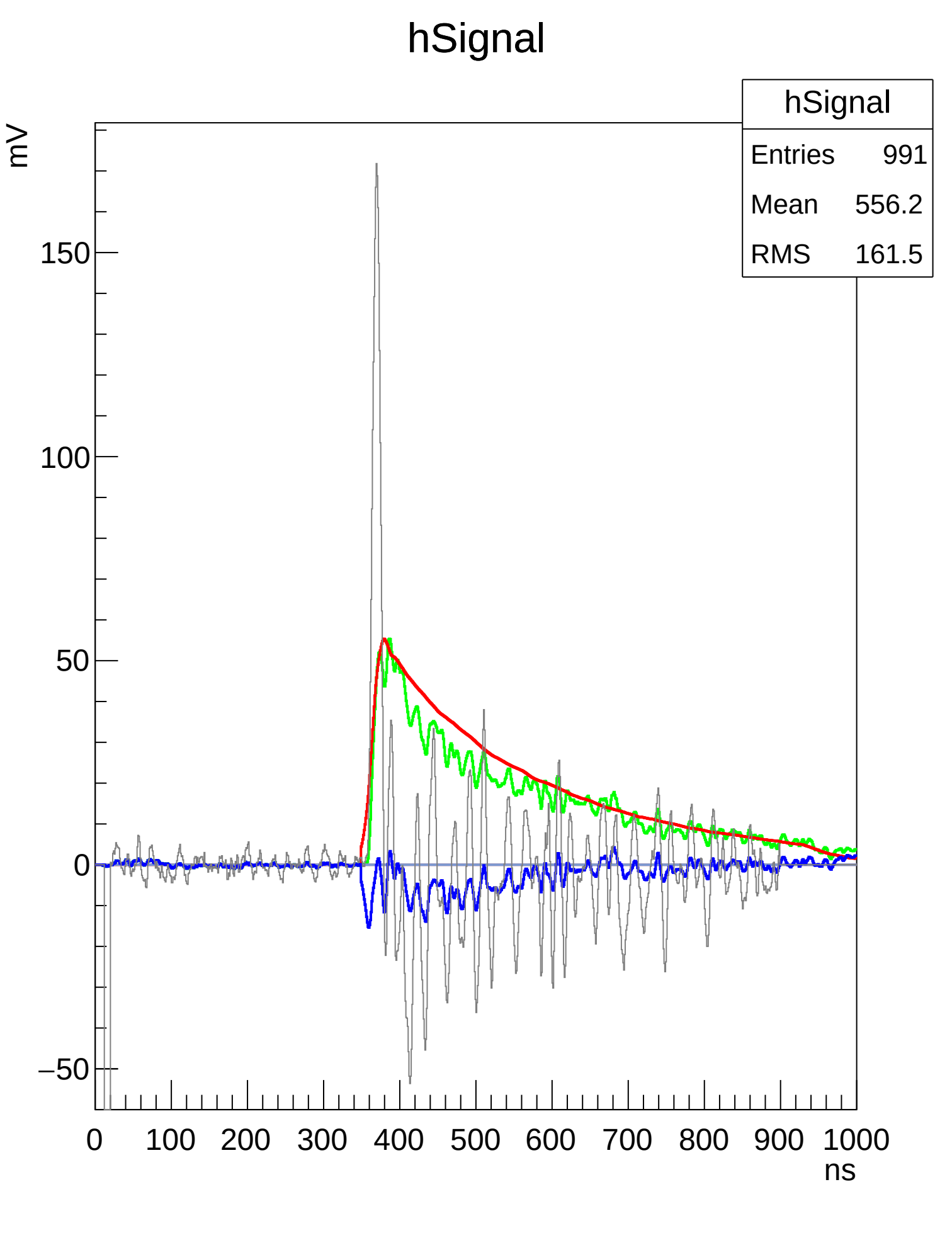
hSignal
hSignal
Entries 991
Mean 556.2
RMS 161.5
mV
150
100
50
0
−50
0
100
200
300
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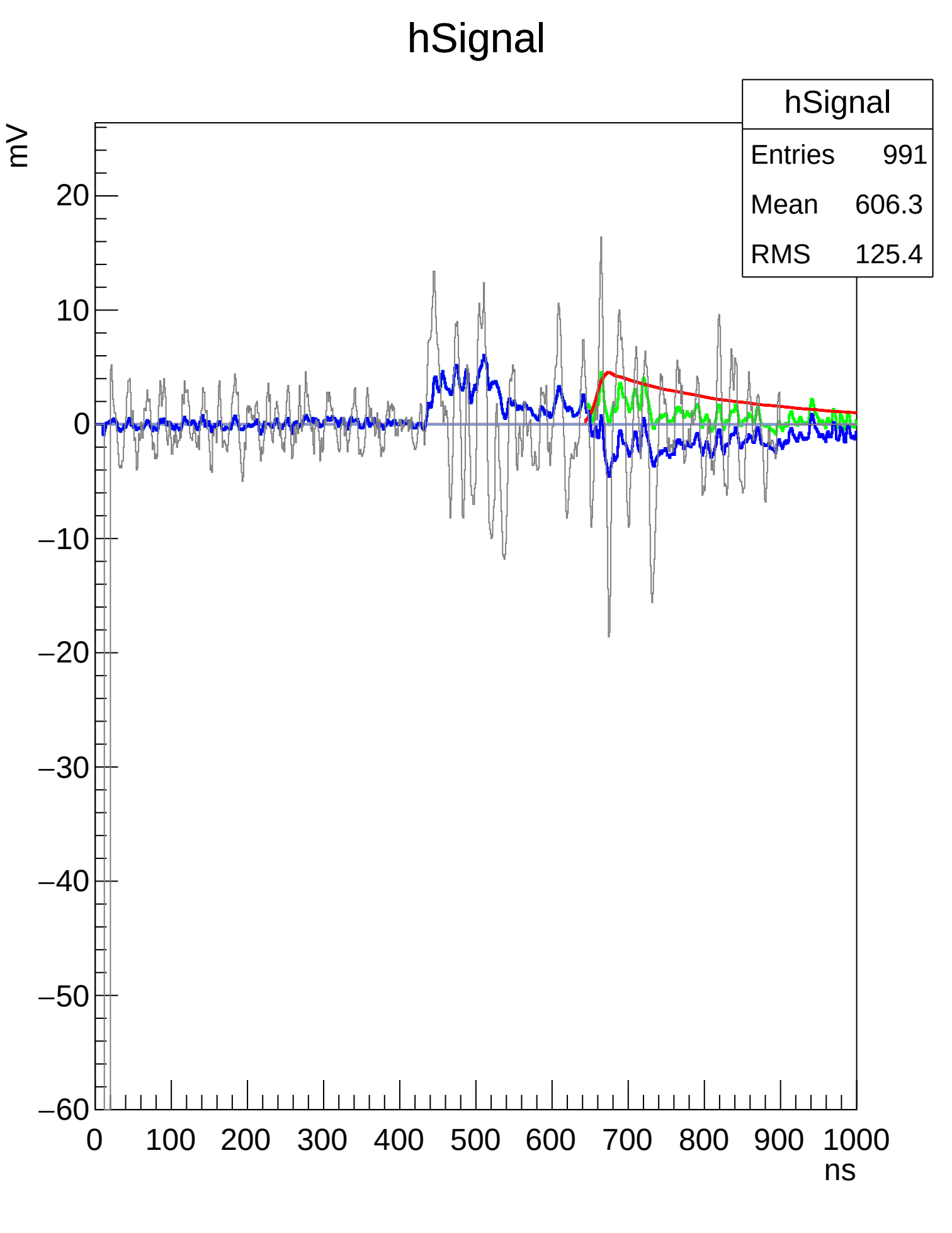
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.3
RMS 125.4
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
700
800
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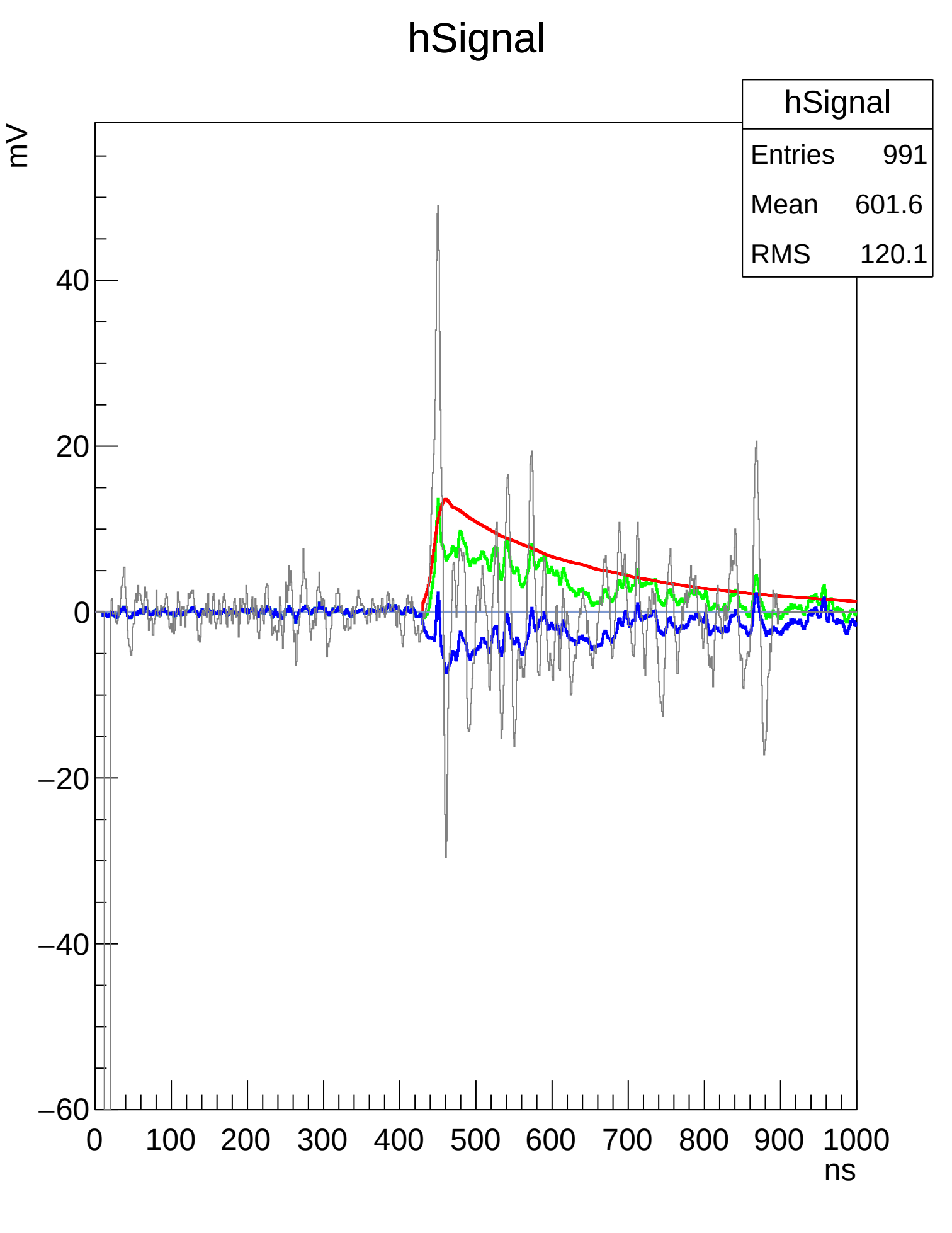
1000
ns


hSignal
hSignal
Entries 991
Mean 601.6
RMS 120.1
mV
40
20
0
−20
−40
−60
0
100
200
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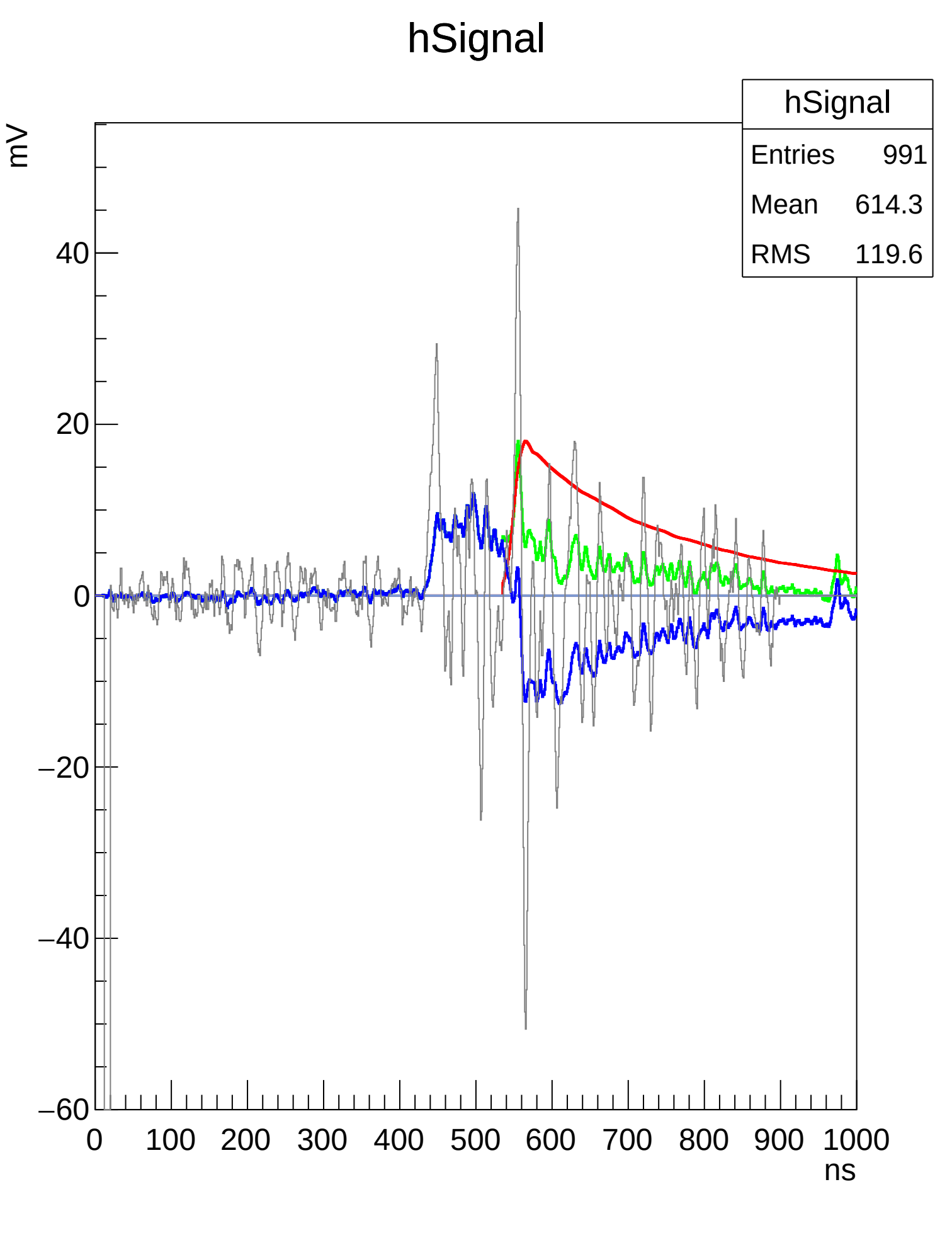
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.3
RMS 119.6
mV
40
20
0
−20
−40
−60
0
100
200
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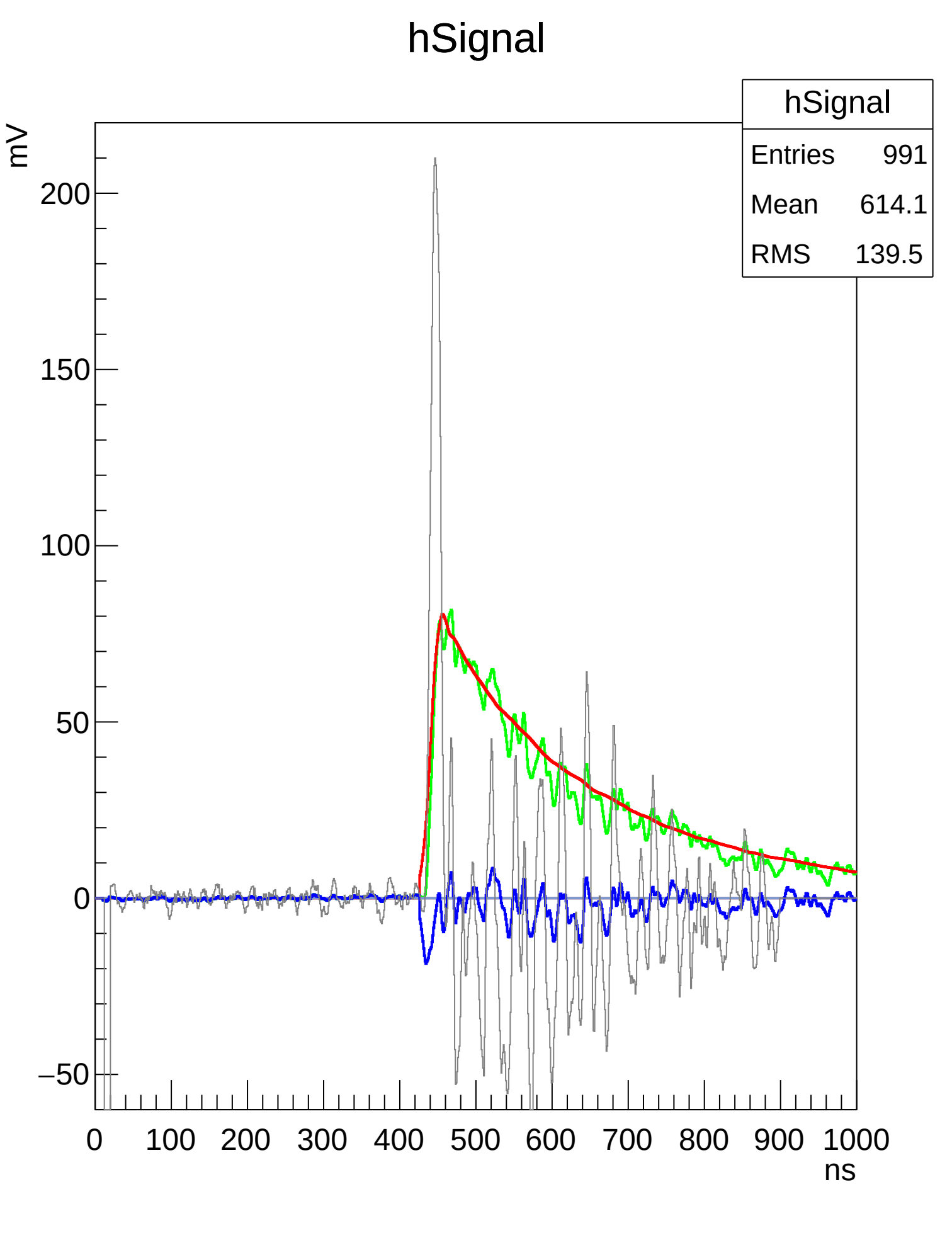
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.1
RMS 139.5
mV
200
150
100
50
0
−50
0
100
200
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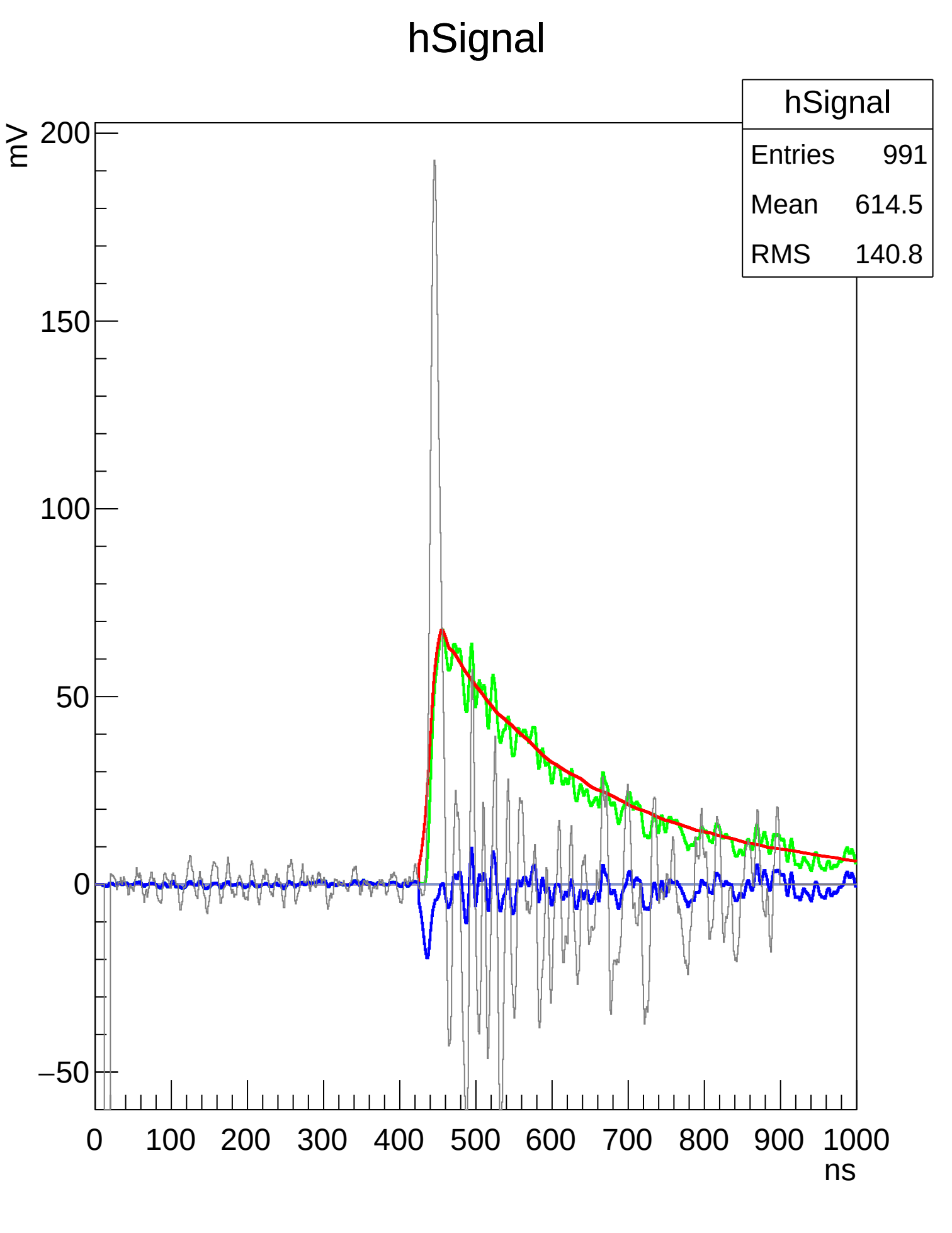
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 614.5
RMS 140.8
mV
200
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100
50
0
−50
0
100
200
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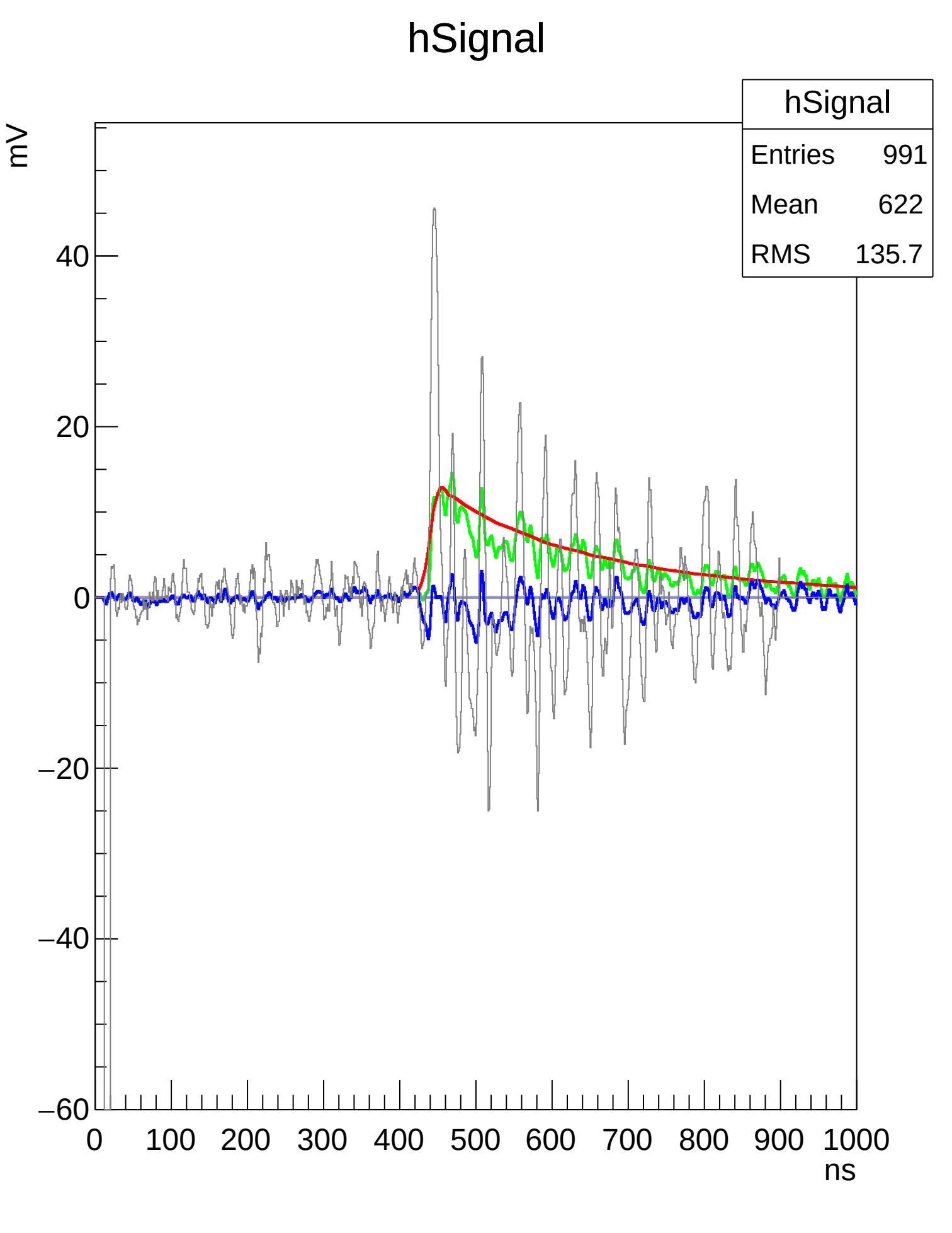
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622
RMS 135.7
mV
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−20
−40
−60
0
100
200
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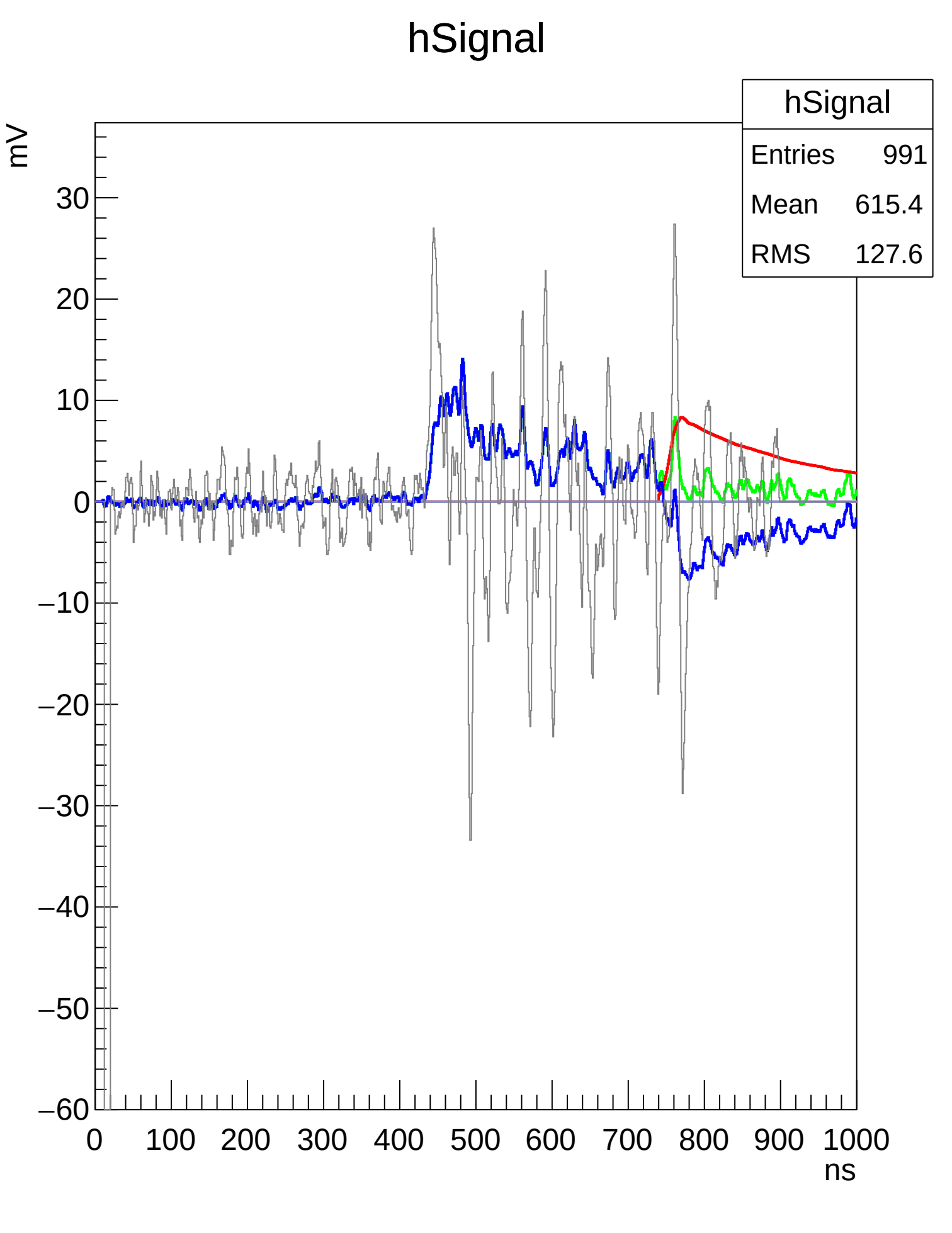
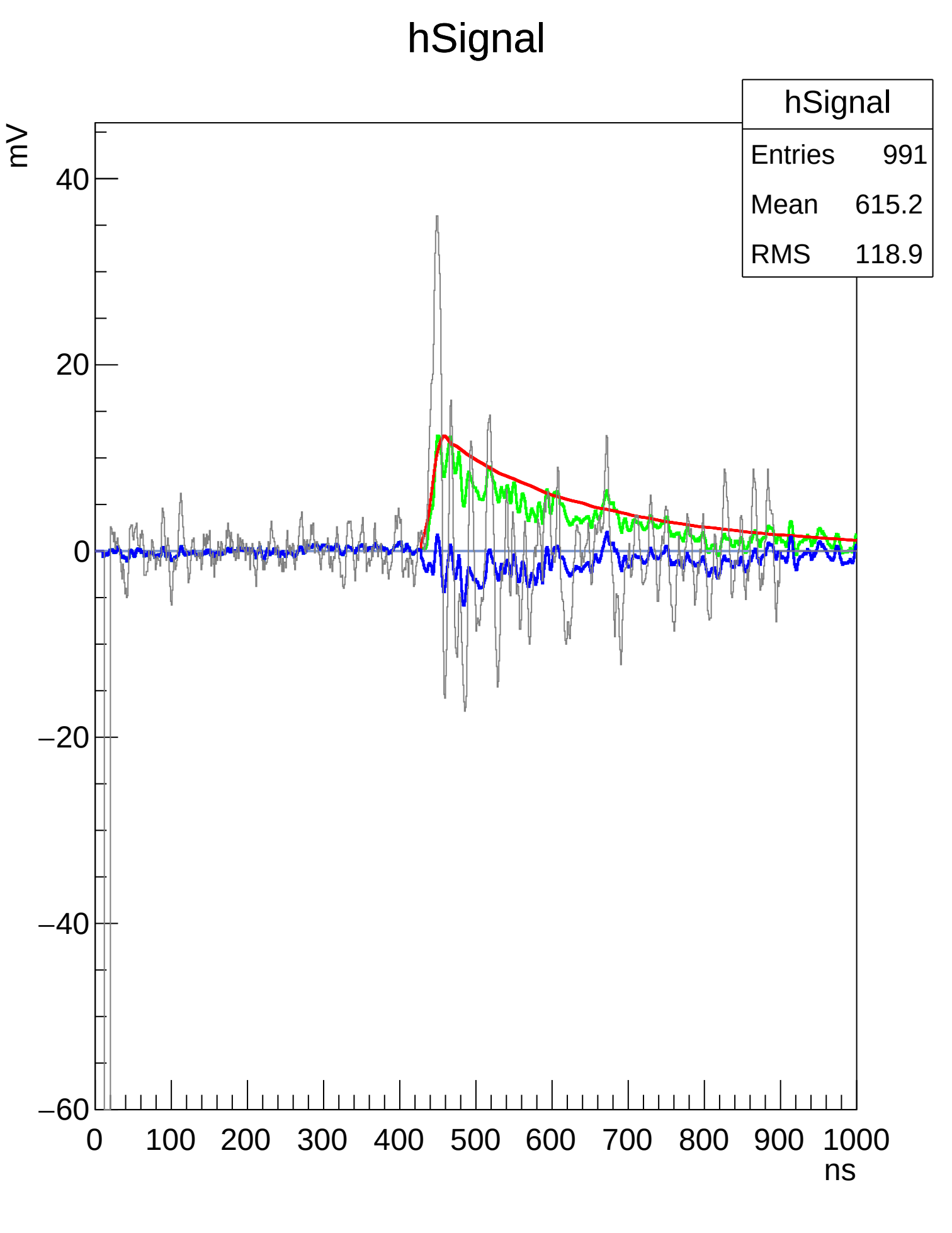
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.4
RMS 127.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.2
RMS 118.9
mV
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−20
−40
−60
0
100
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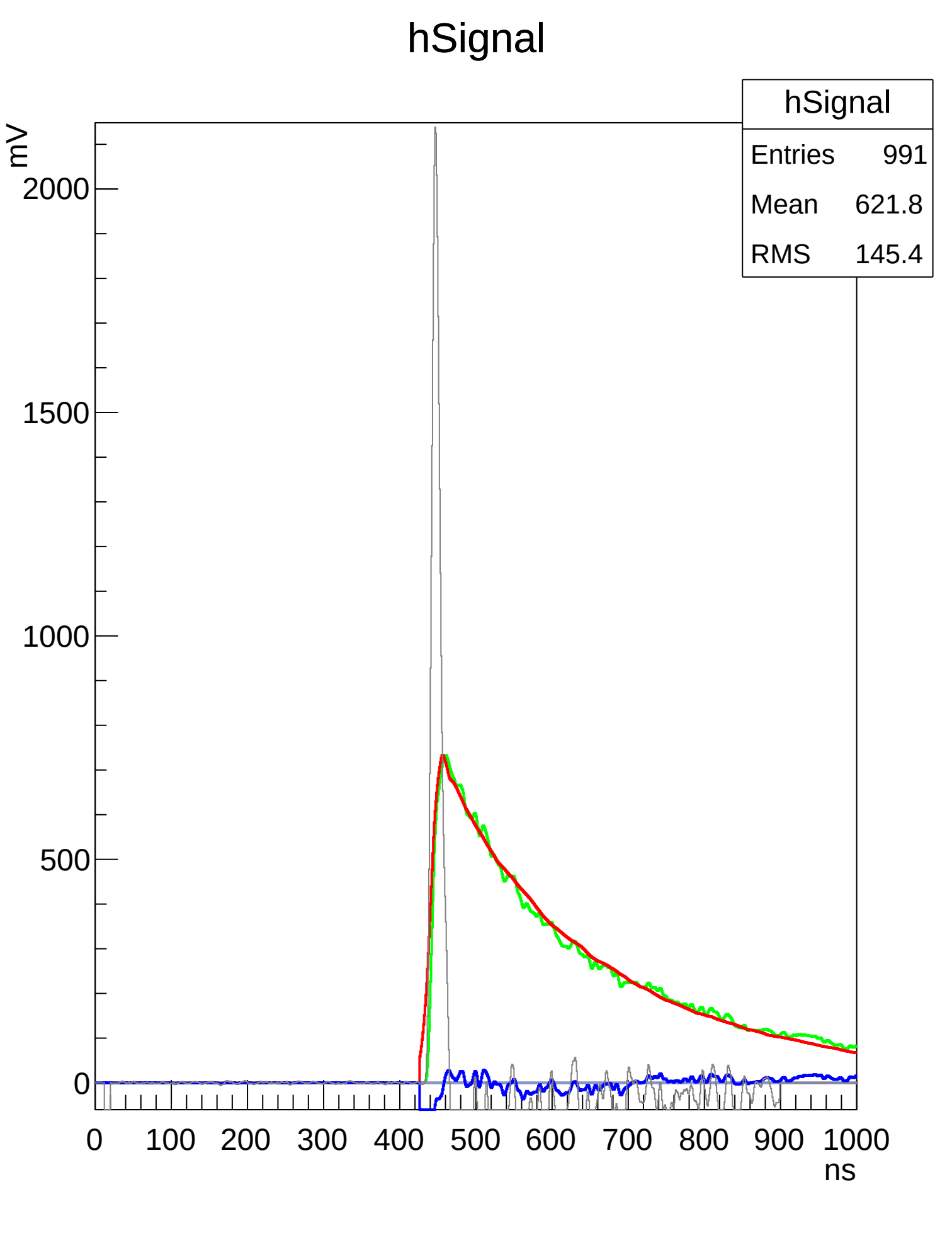
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.8
RMS 145.4
mV
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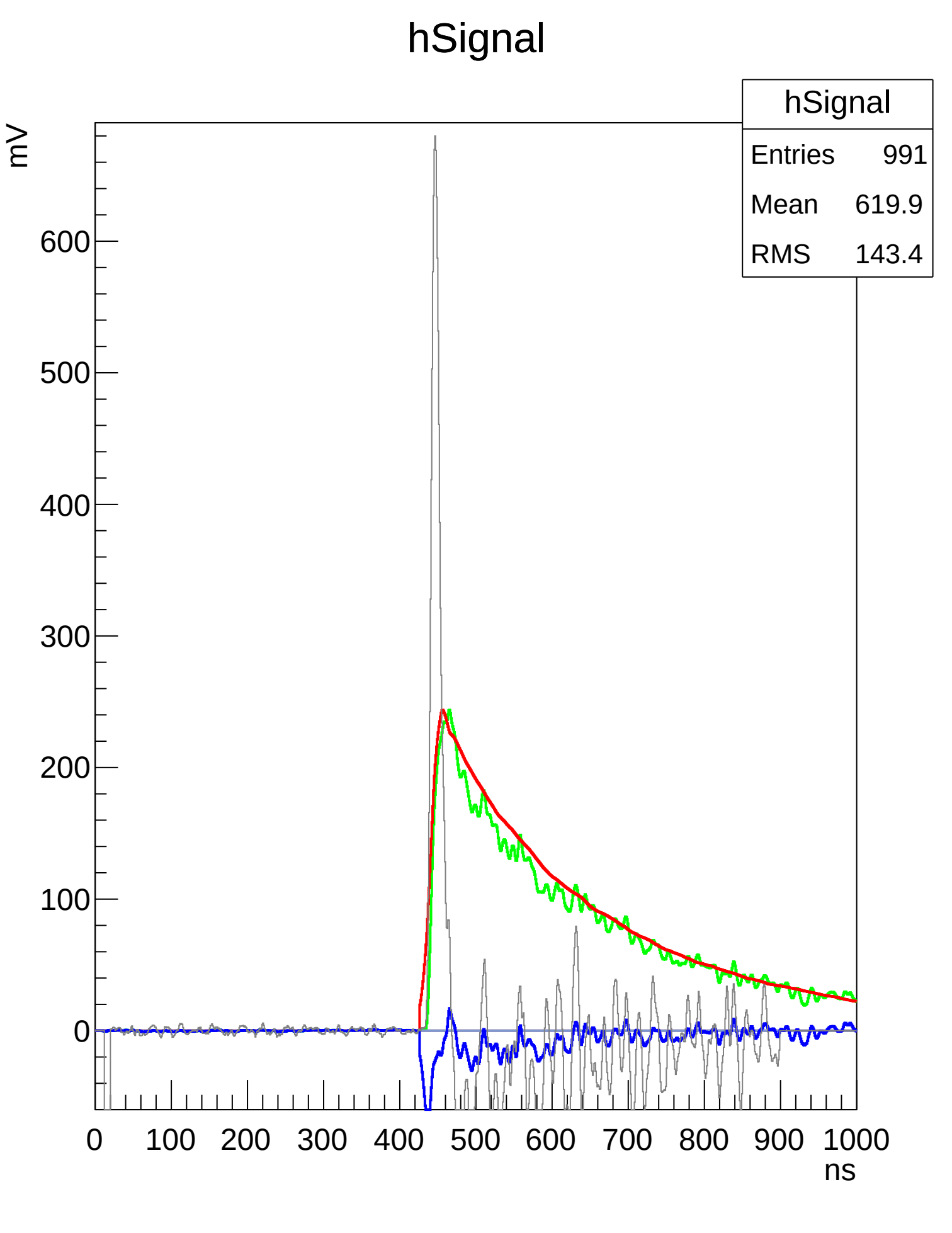
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.9
RMS 143.4
mV
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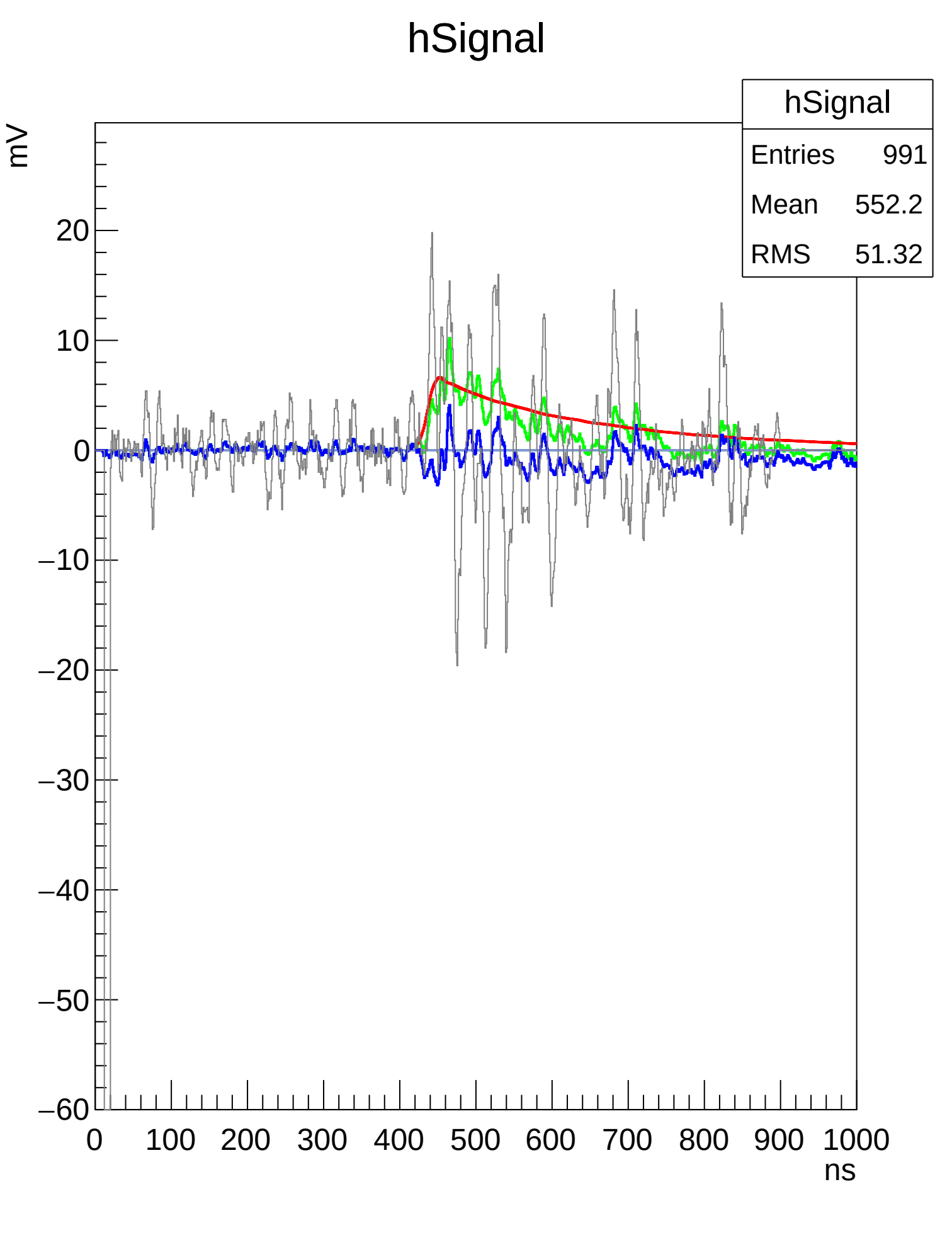
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.2
RMS 51.32
mV
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10
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0
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800
900
1000
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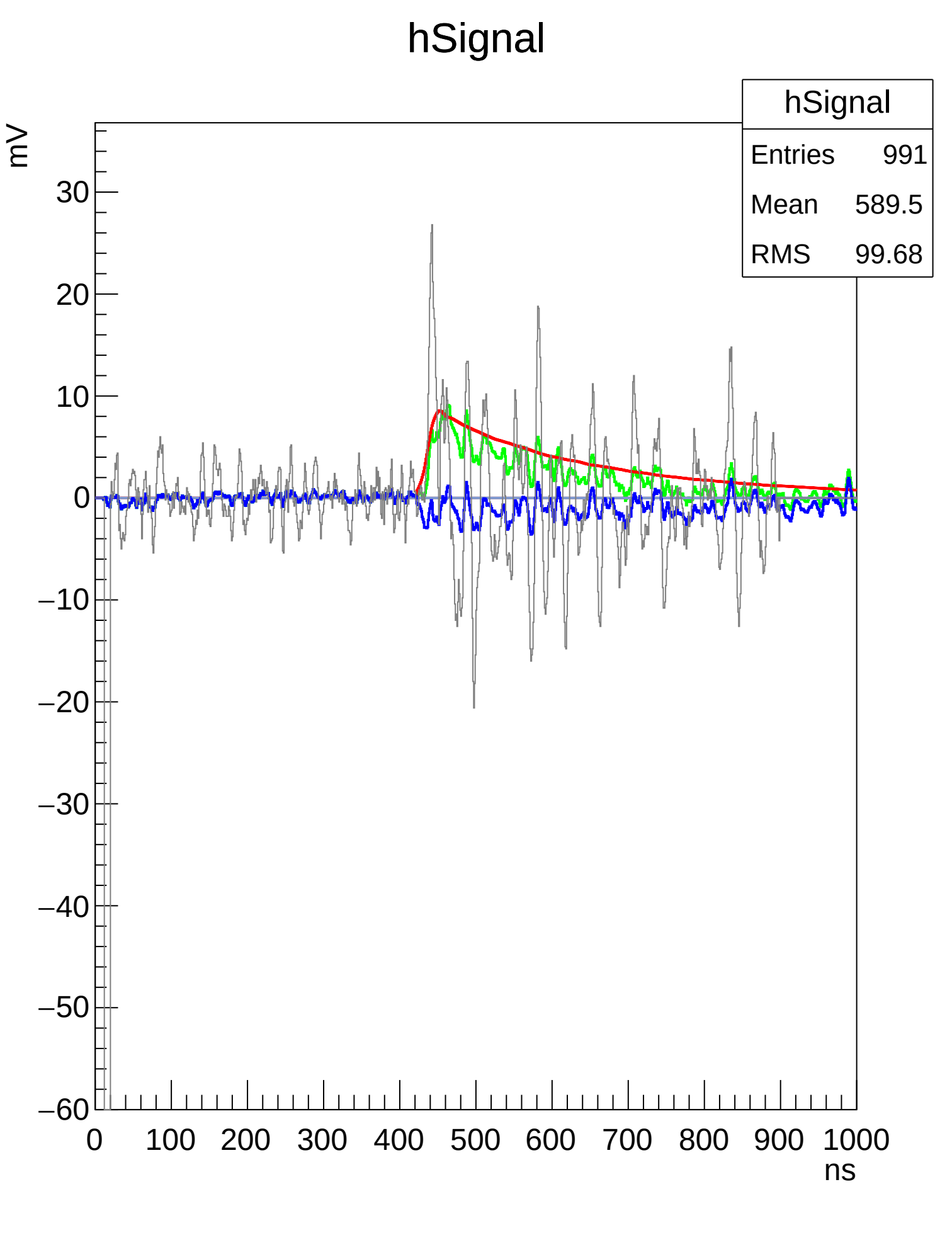
hSignal
hSignal
Entries 991
Mean 589.5
RMS 99.68
mV
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20
10
0
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−20
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−40
−50
−60
0
100
200
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400
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600
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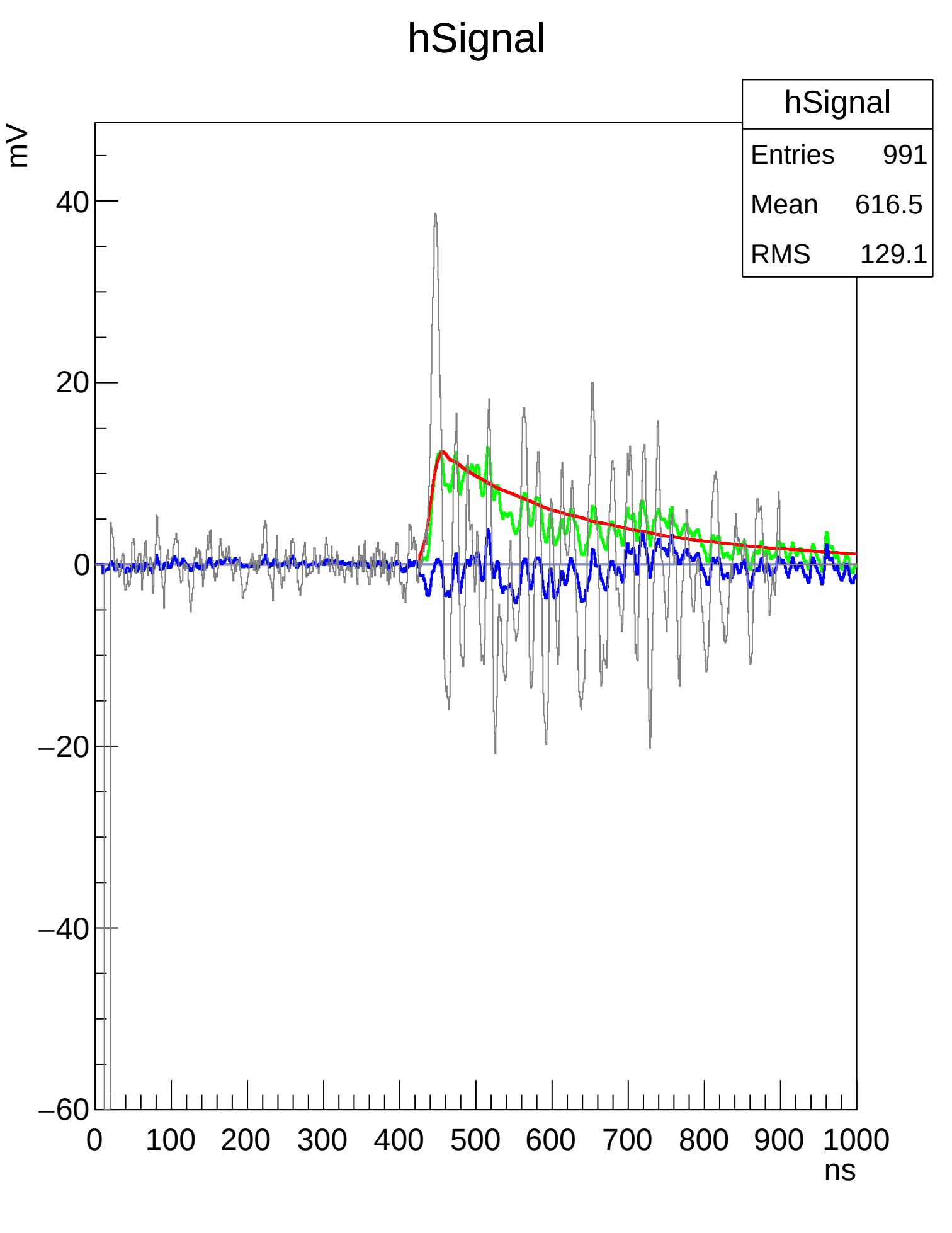
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.5
RMS 129.1
mV
40
20
0
−20
−40
−60
0
100
200
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400
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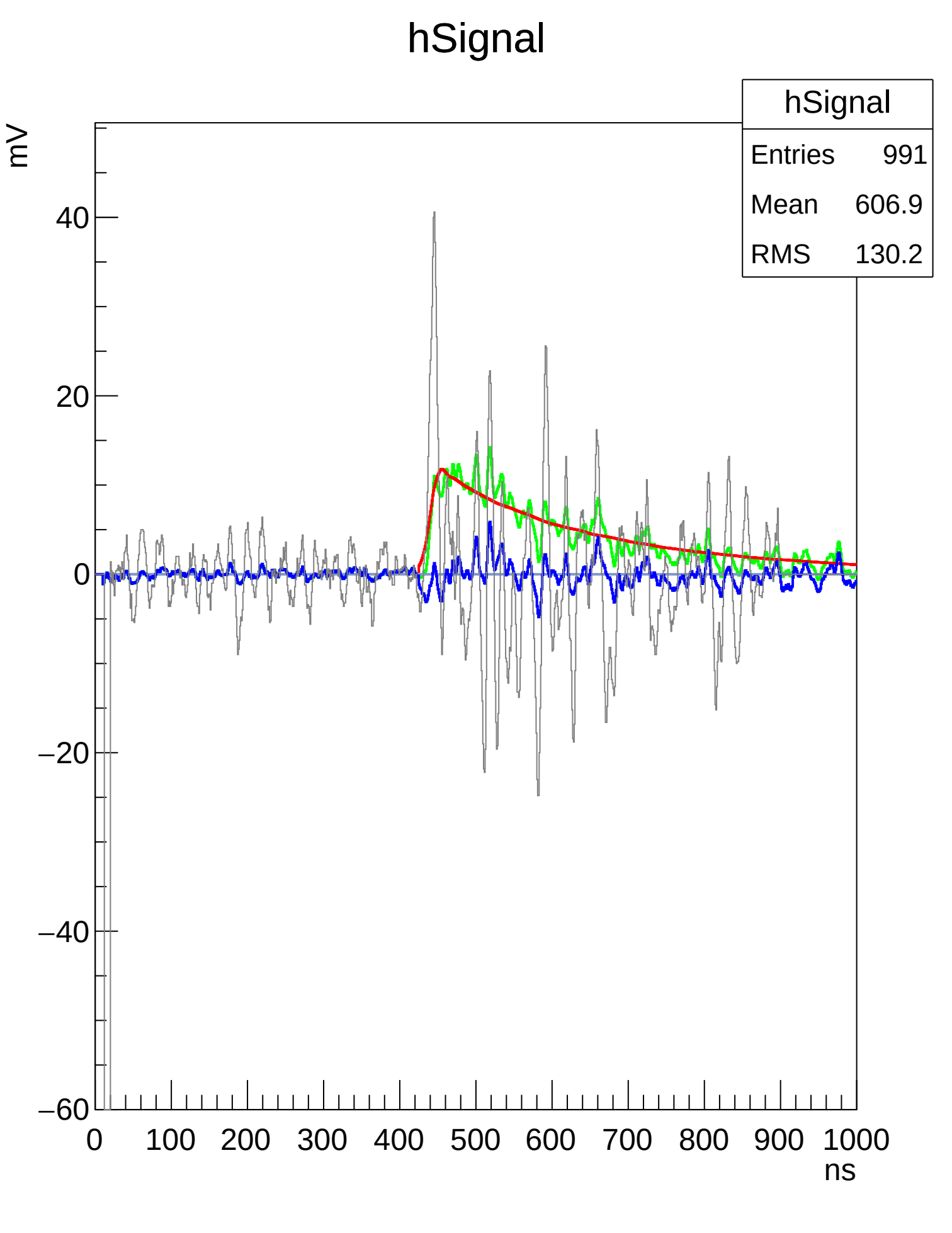
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.9
RMS 130.2
mV
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−20
−40
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0
100
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600
700
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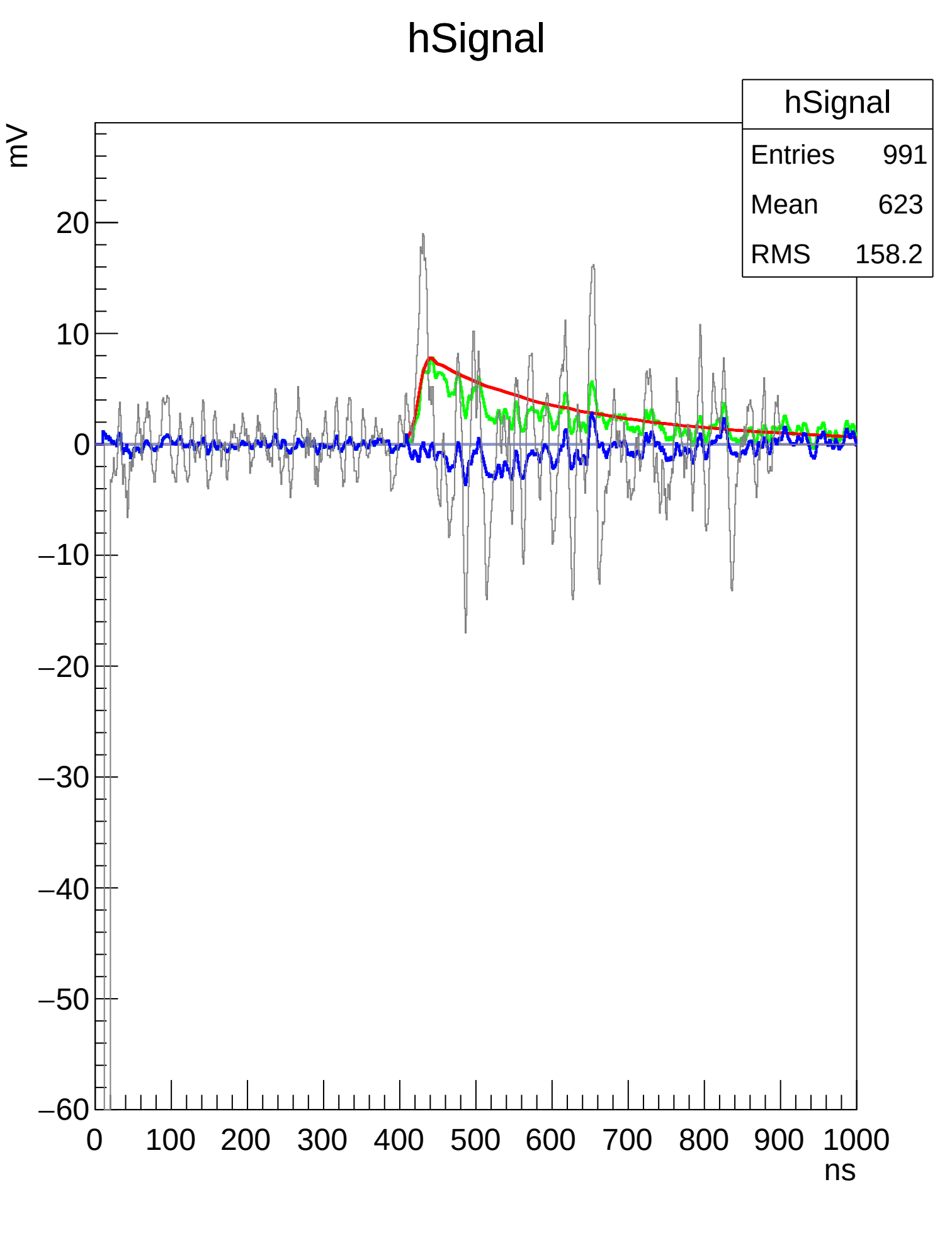
1000
ns


hSignal
hSignal
Entries 991
Mean 623
RMS 158.2
mV
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10
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0
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200
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800
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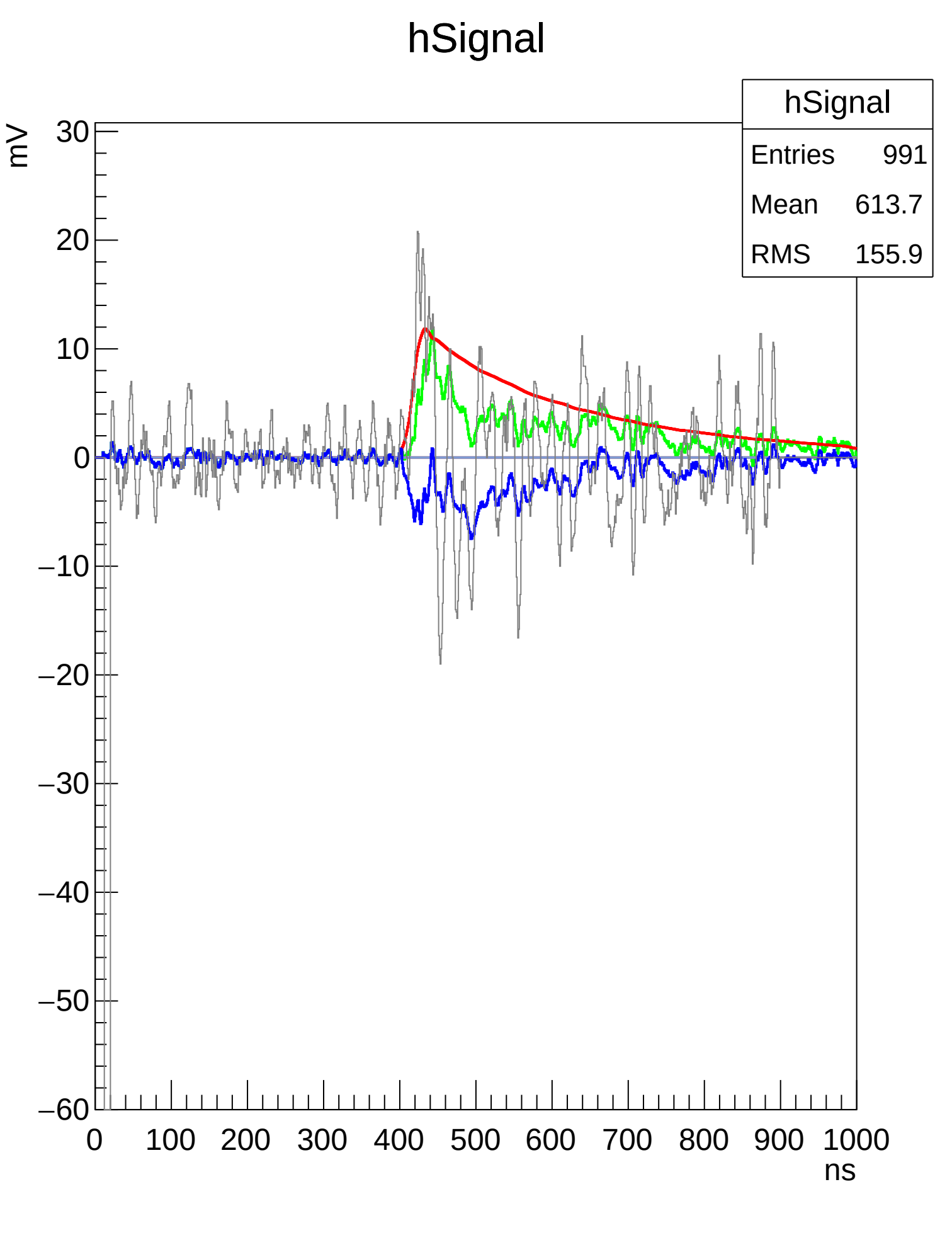
hSignal
hSignal
Entries 991
Mean 613.7
RMS 155.9
mV
30
20
10
0
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−40
−50
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0
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200
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400
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600
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800
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1000
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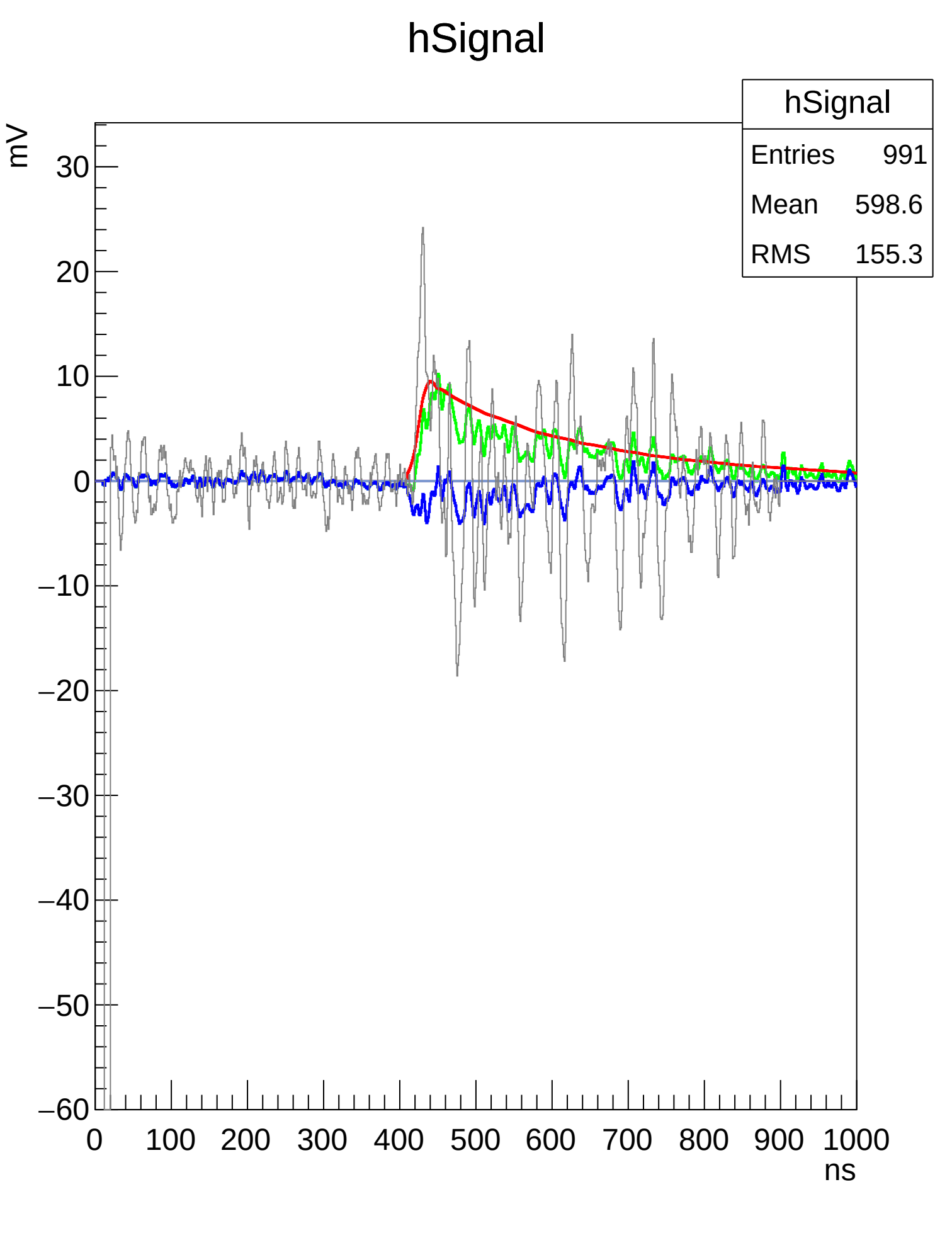
hSignal
hSignal
Entries 991
Mean 598.6
RMS 155.3
mV
30
20
10
0
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−40
−50
−60
0
100
200
300
400
500
600
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800
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1000
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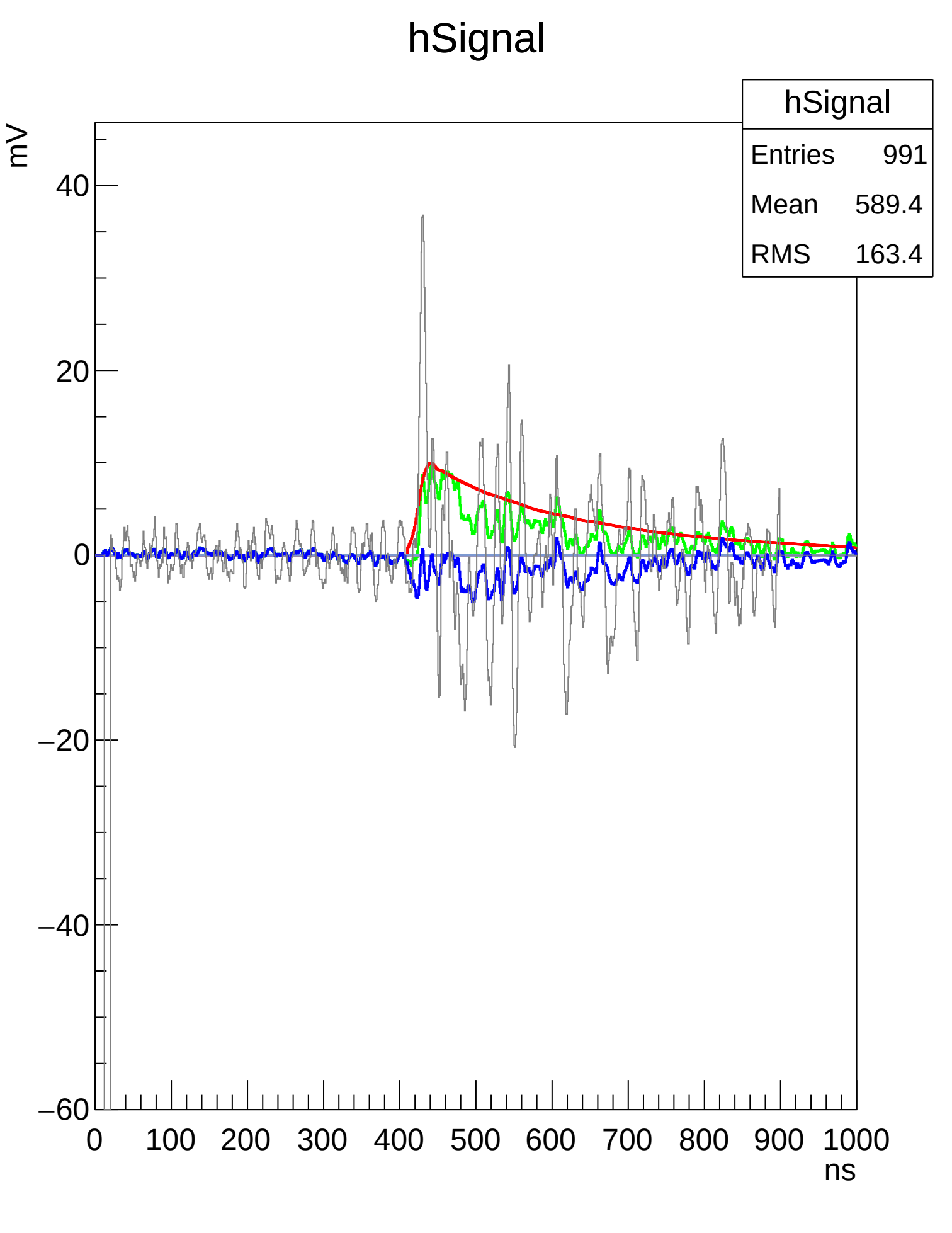
hSignal
hSignal
Entries 991
Mean 589.4
RMS 163.4
mV
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−20
−40
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0
100
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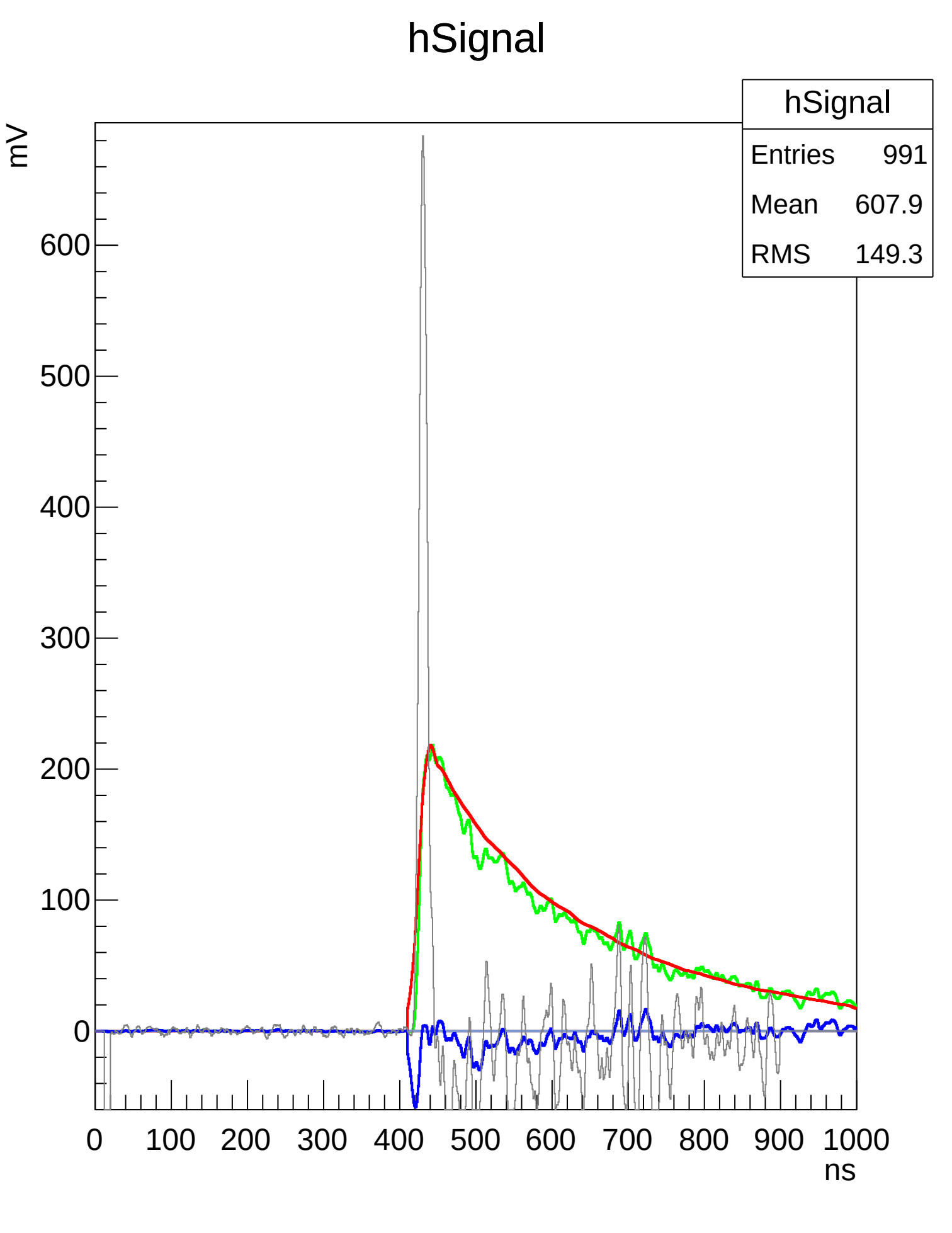
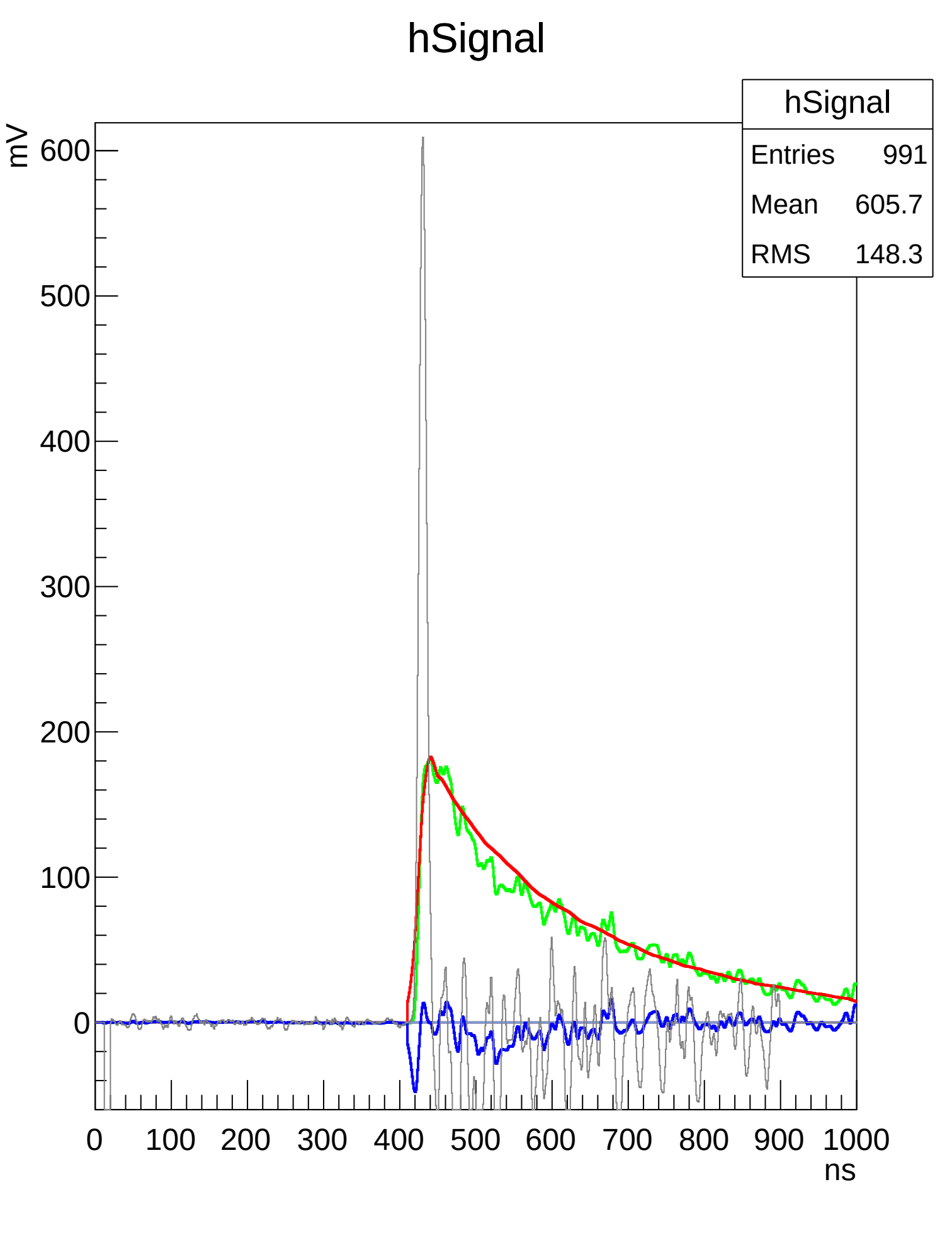

hSignal
hSignal
Entries 991
Mean 607.9
RMS 149.3
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 605.7
RMS 148.3
mV
600
500
400
300
200
100
0
0
100
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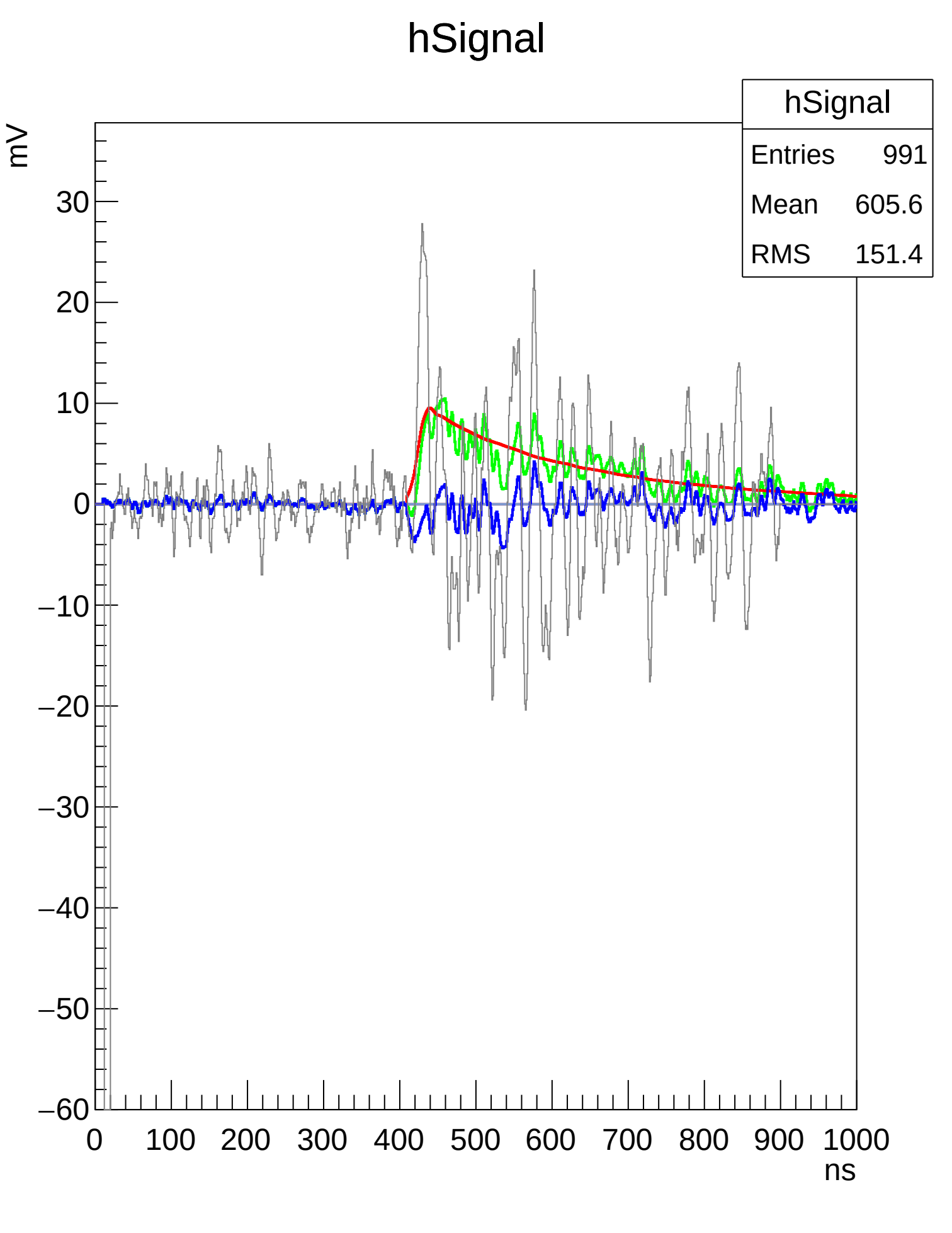
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.6
RMS 151.4
mV
30
20
10
0
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−40
−50
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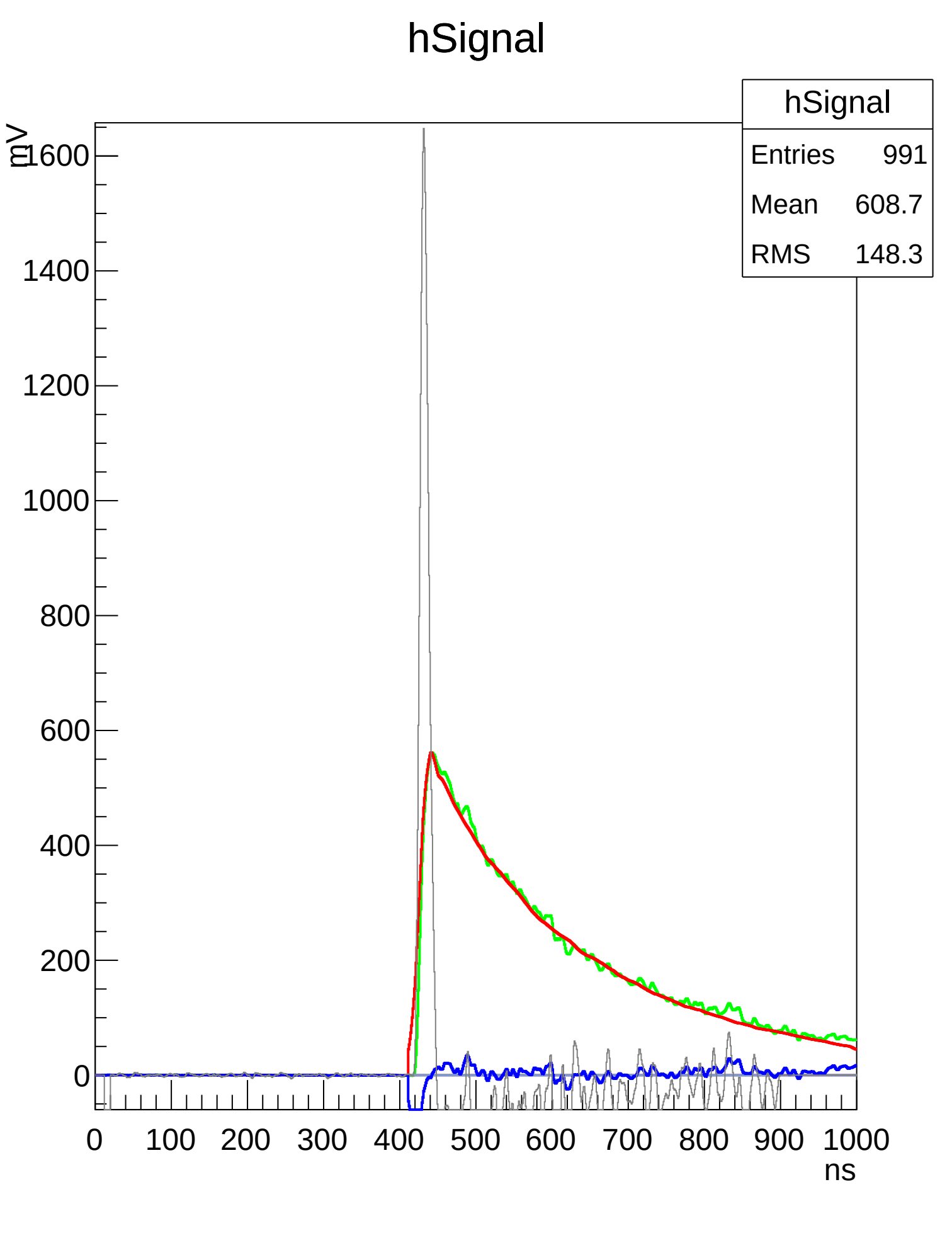
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.7
RMS 148.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
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400
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800
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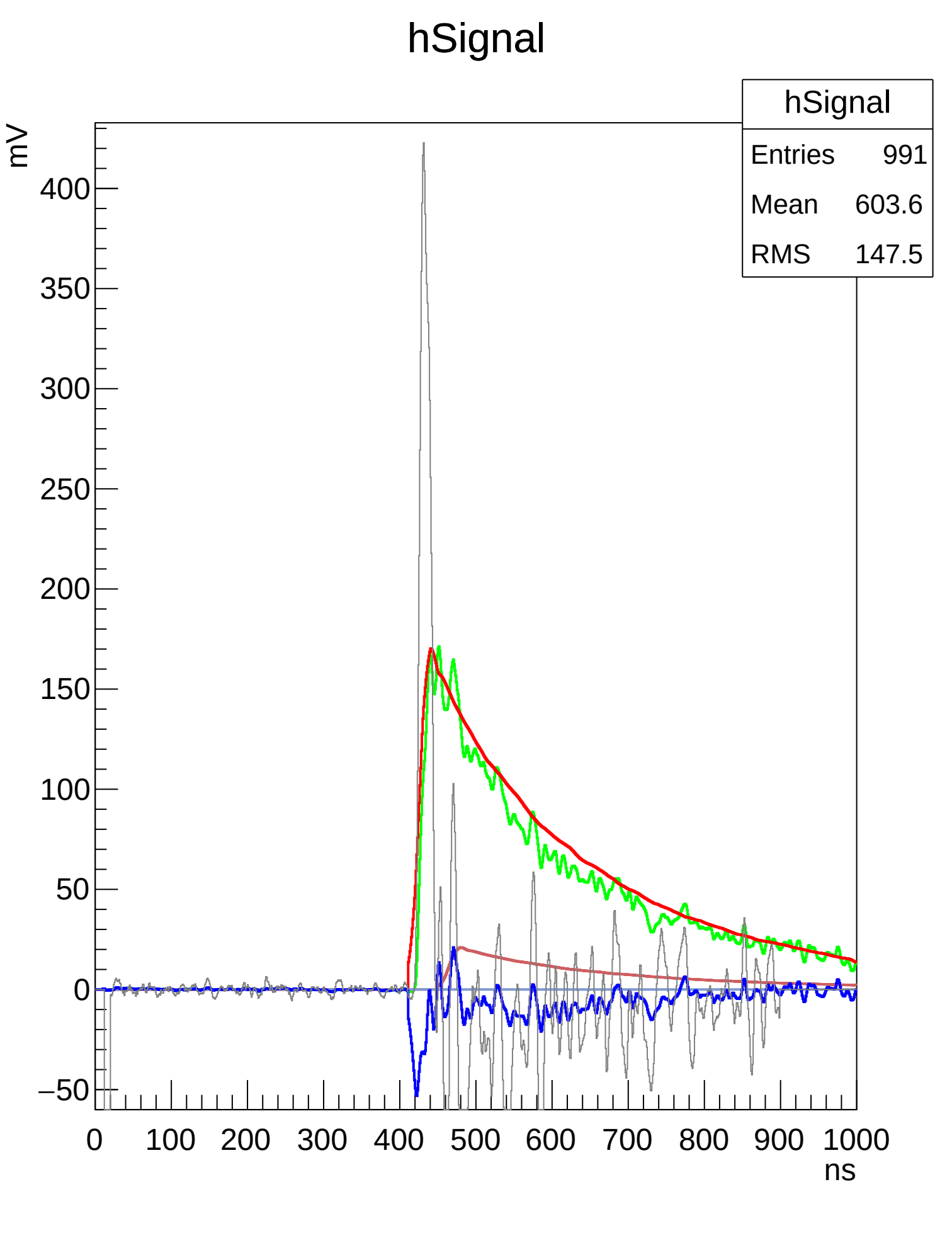
1000
ns


hSignal
hSignal
Entries 991
Mean 603.6
RMS 147.5
mV
400
350
300
250
200
150
100
50
0
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0
100
200
300
400
500
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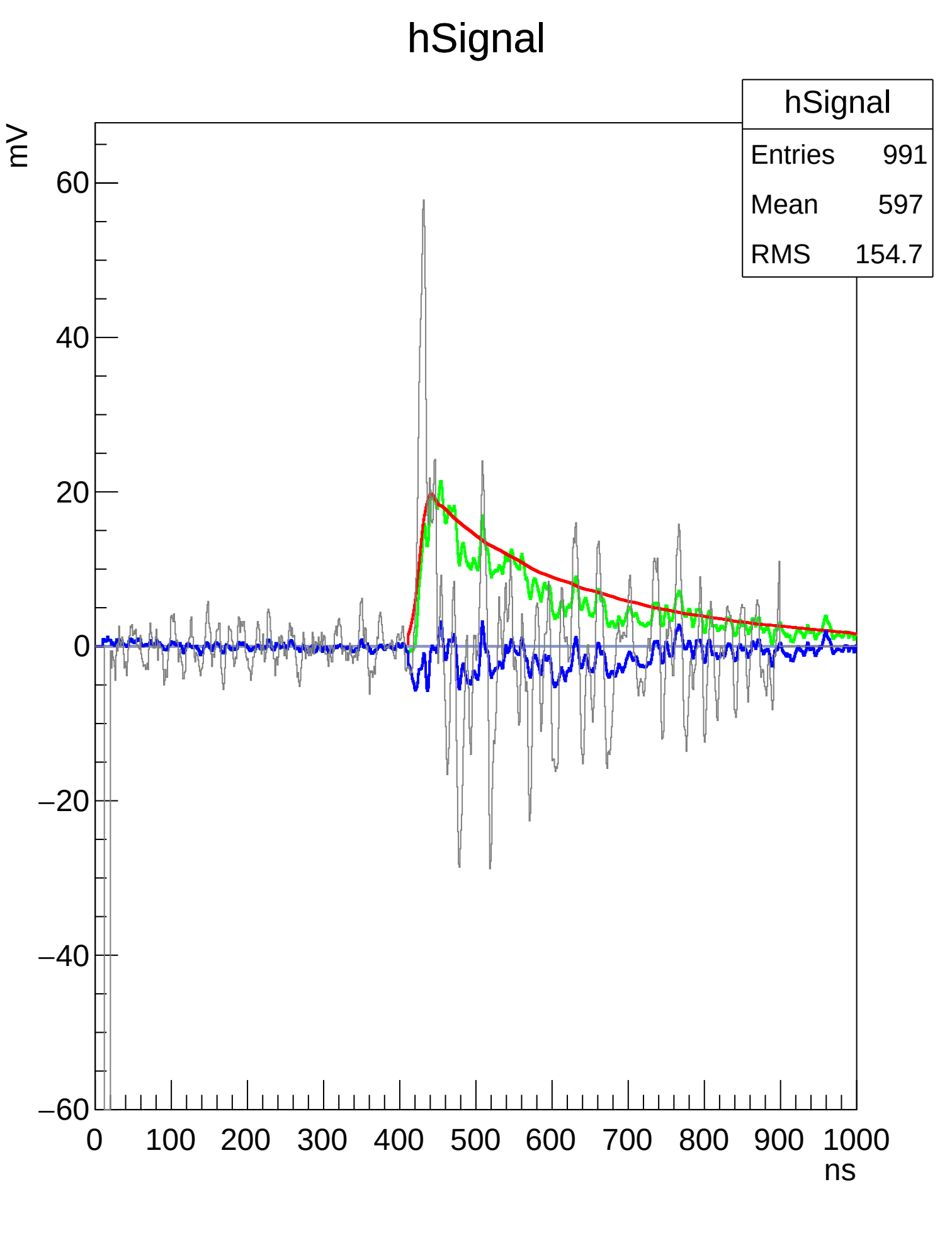
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597
RMS 154.7
mV
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−40
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0
100
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600
700
800
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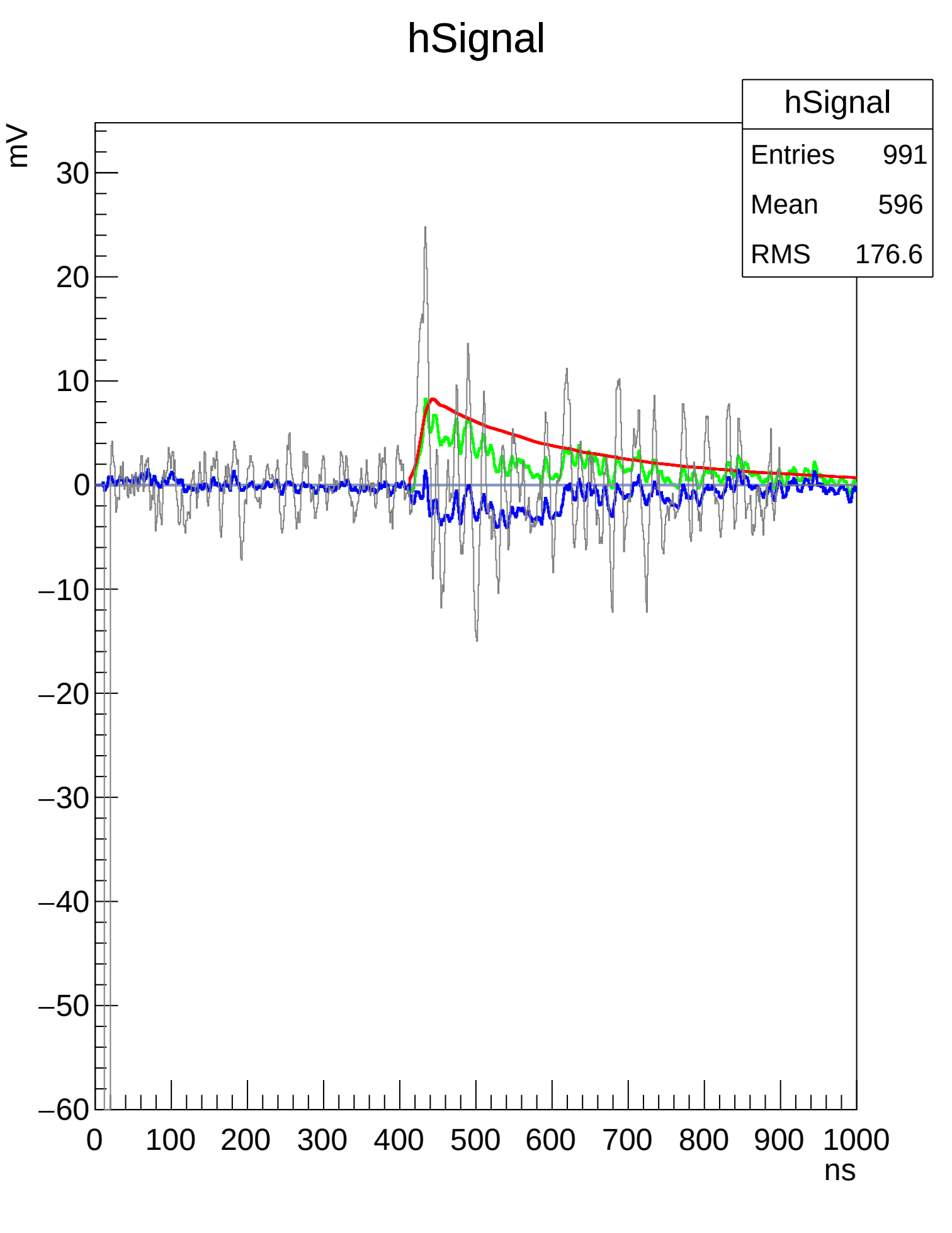
1000
ns


hSignal
hSignal
Entries 991
Mean 596
RMS 176.6
mV
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20
10
0
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−20
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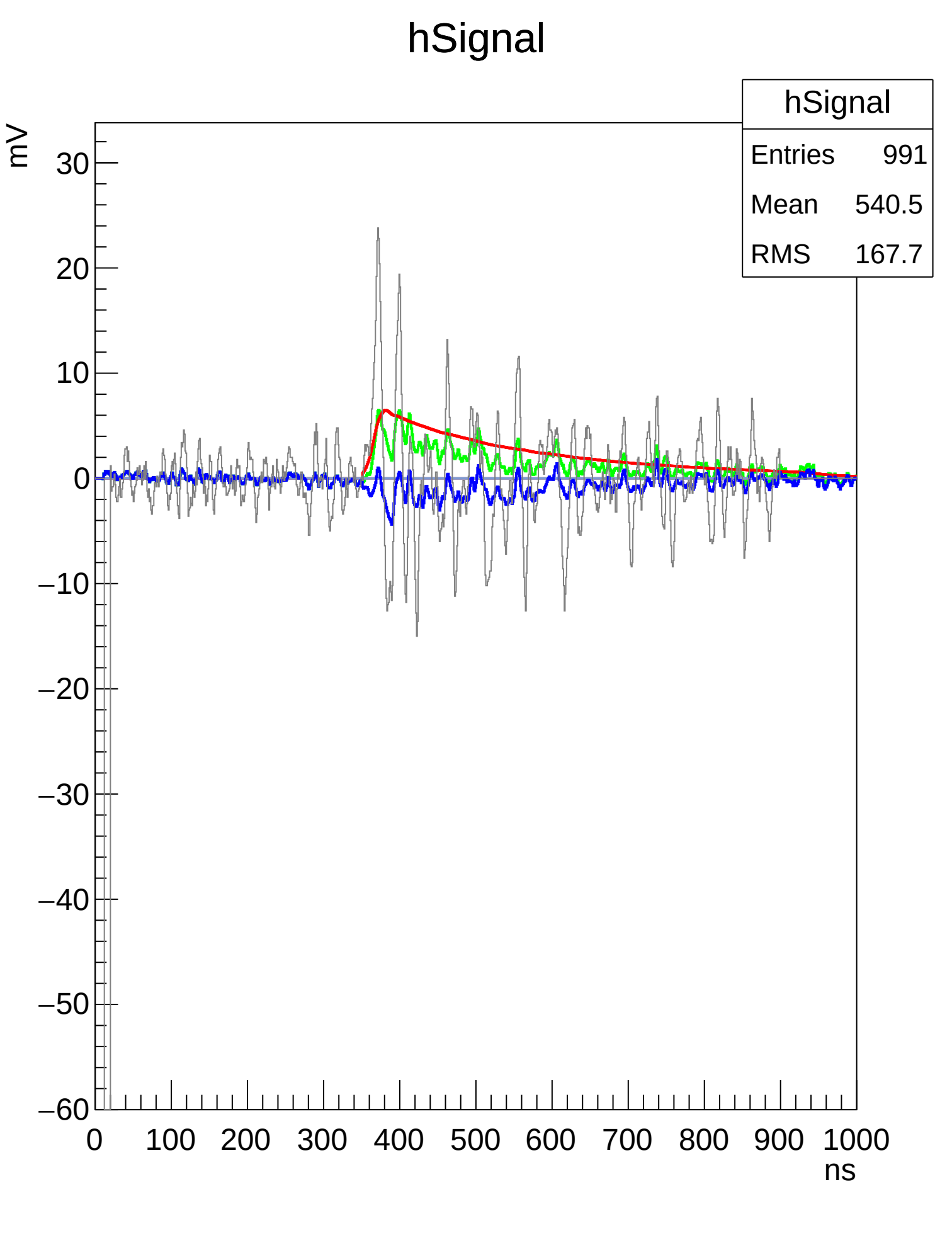
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.5
RMS 167.7
mV
30
20
10
0
−10
−20
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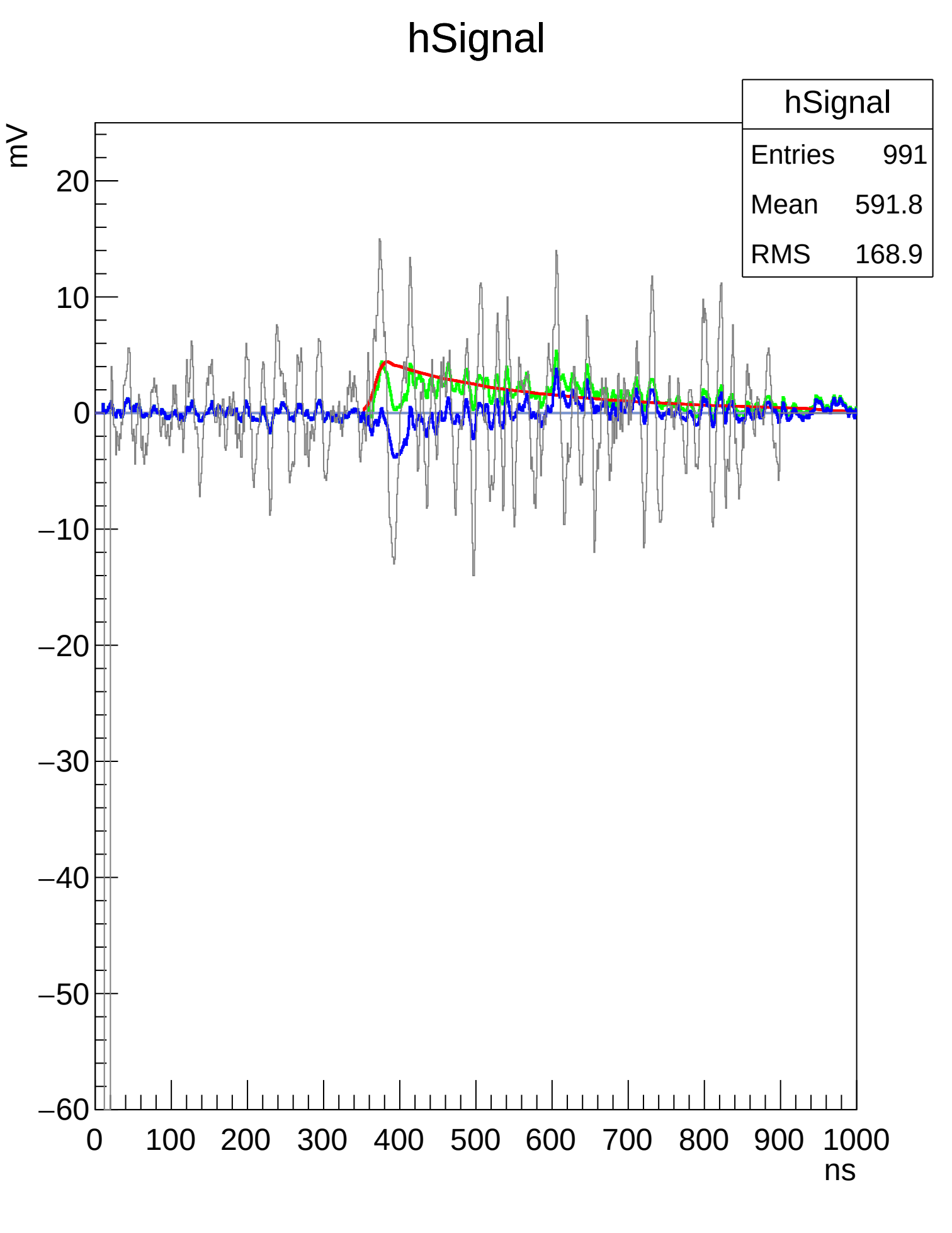
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.8
RMS 168.9
mV
20
10
0
−10
−20
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−40
−50
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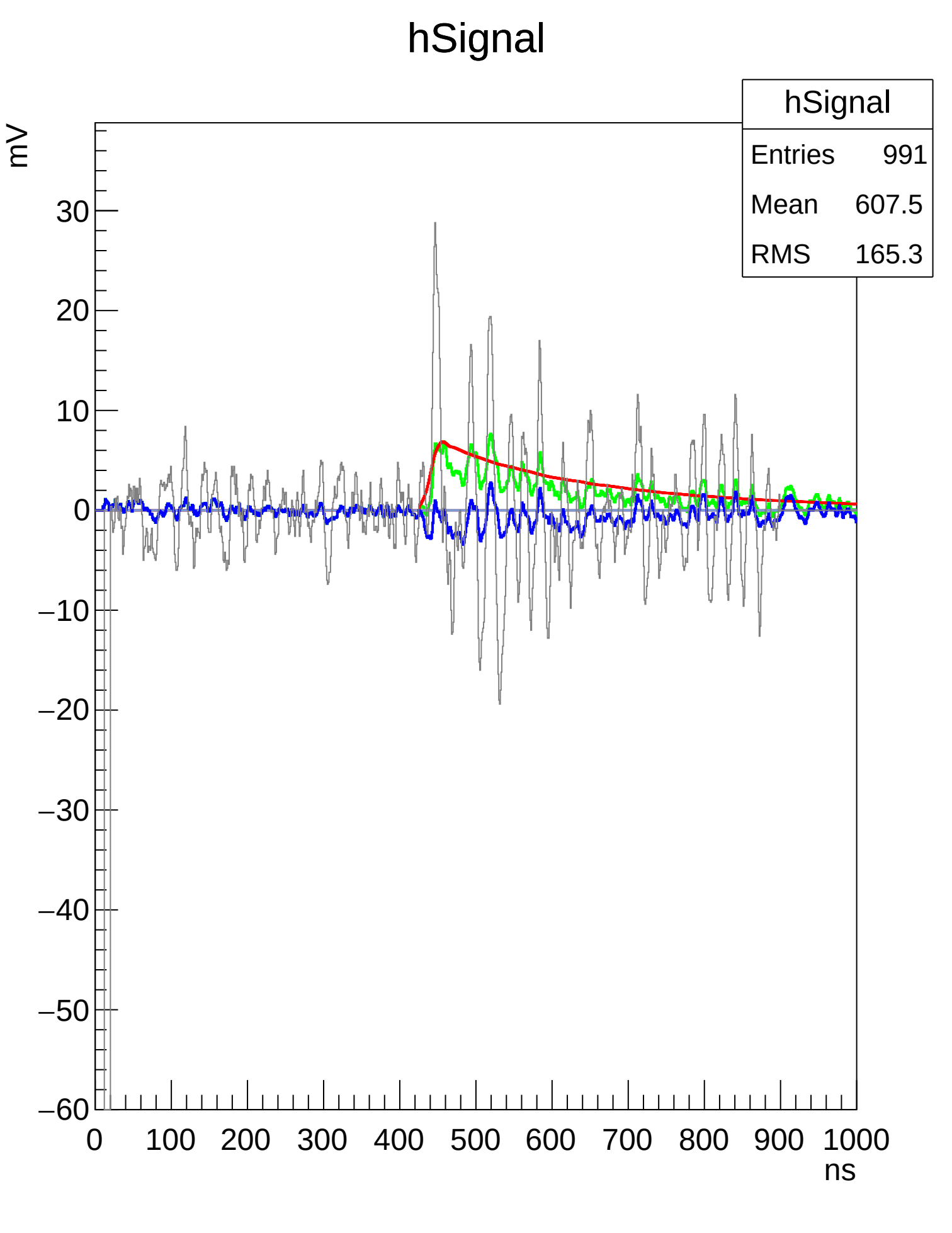
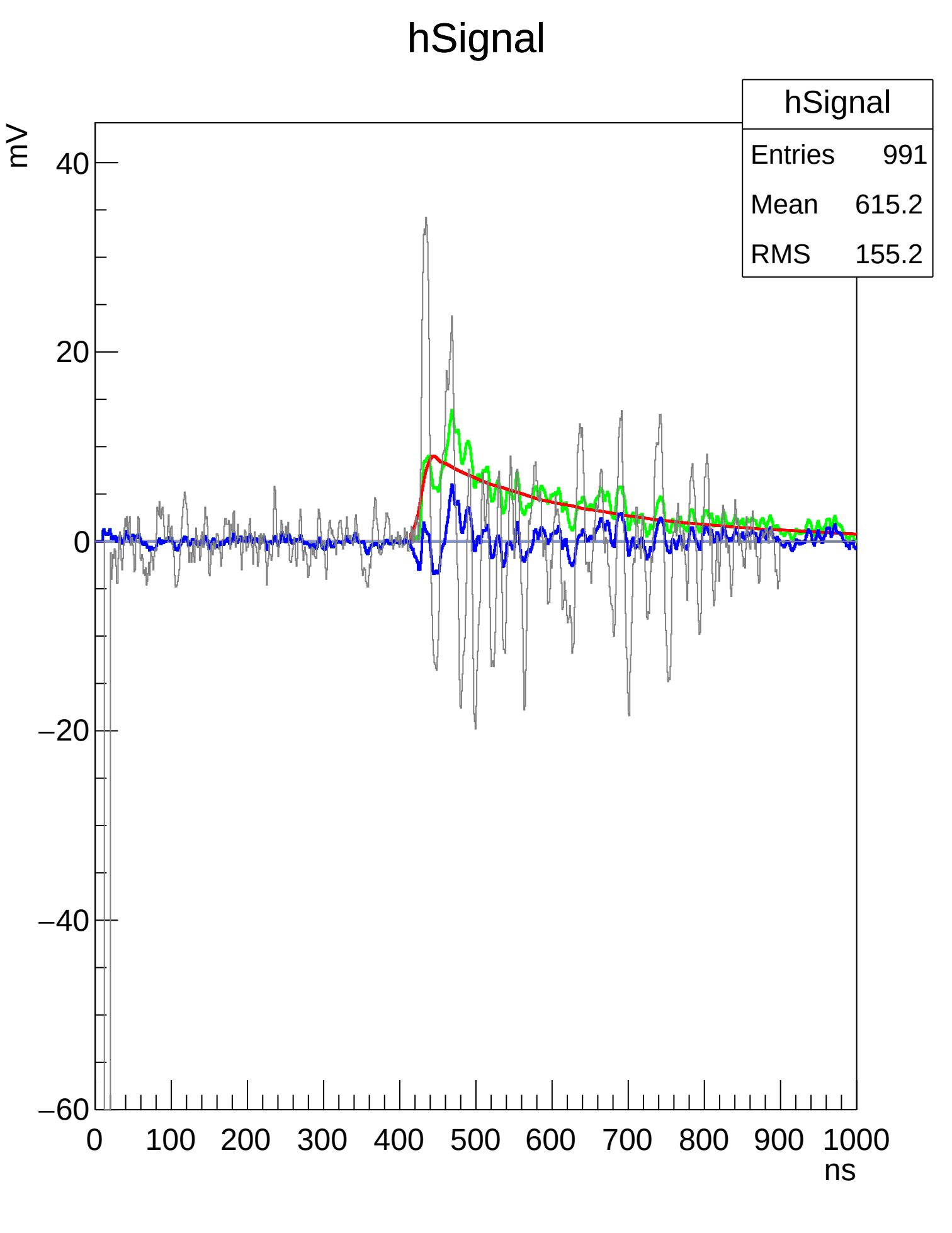
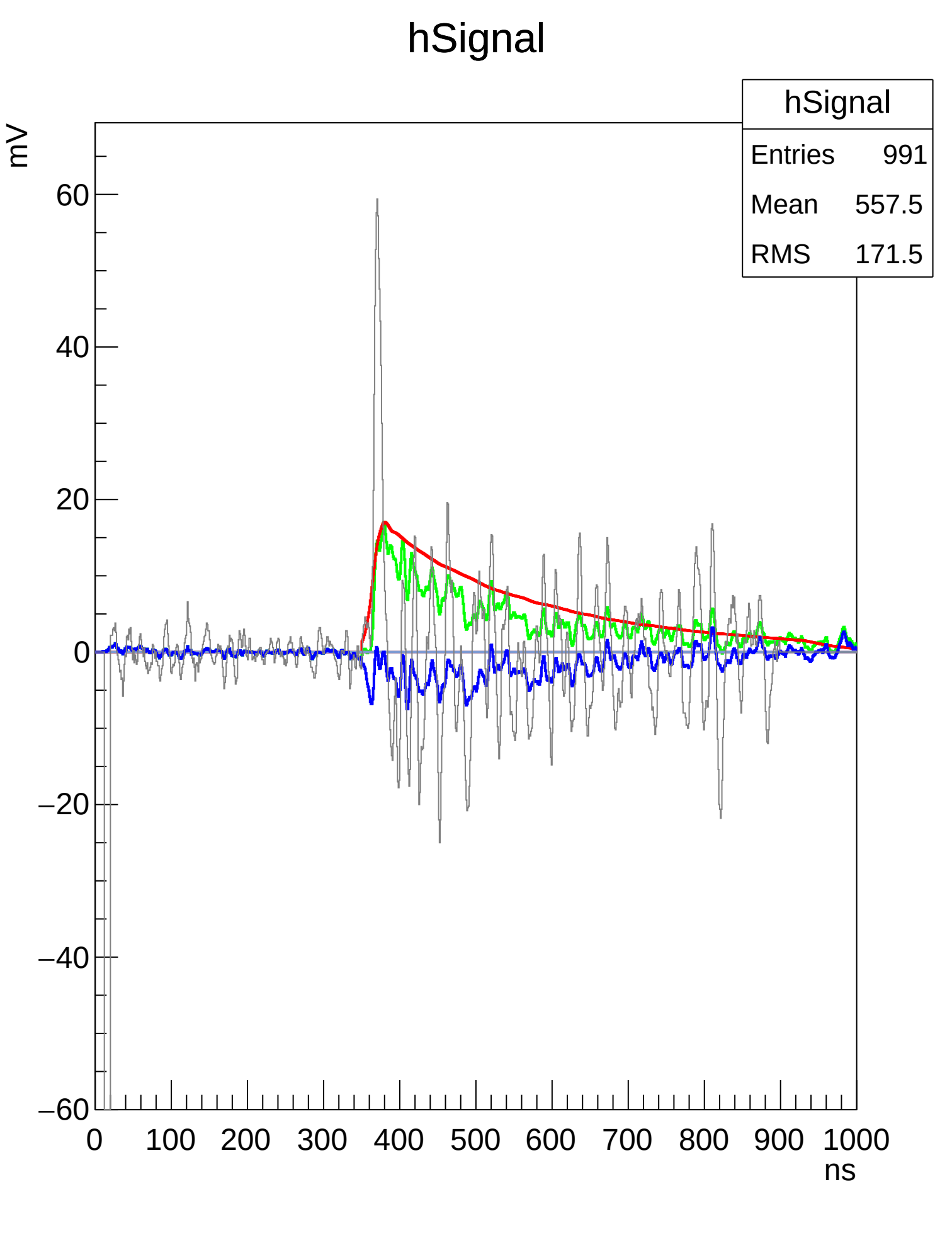
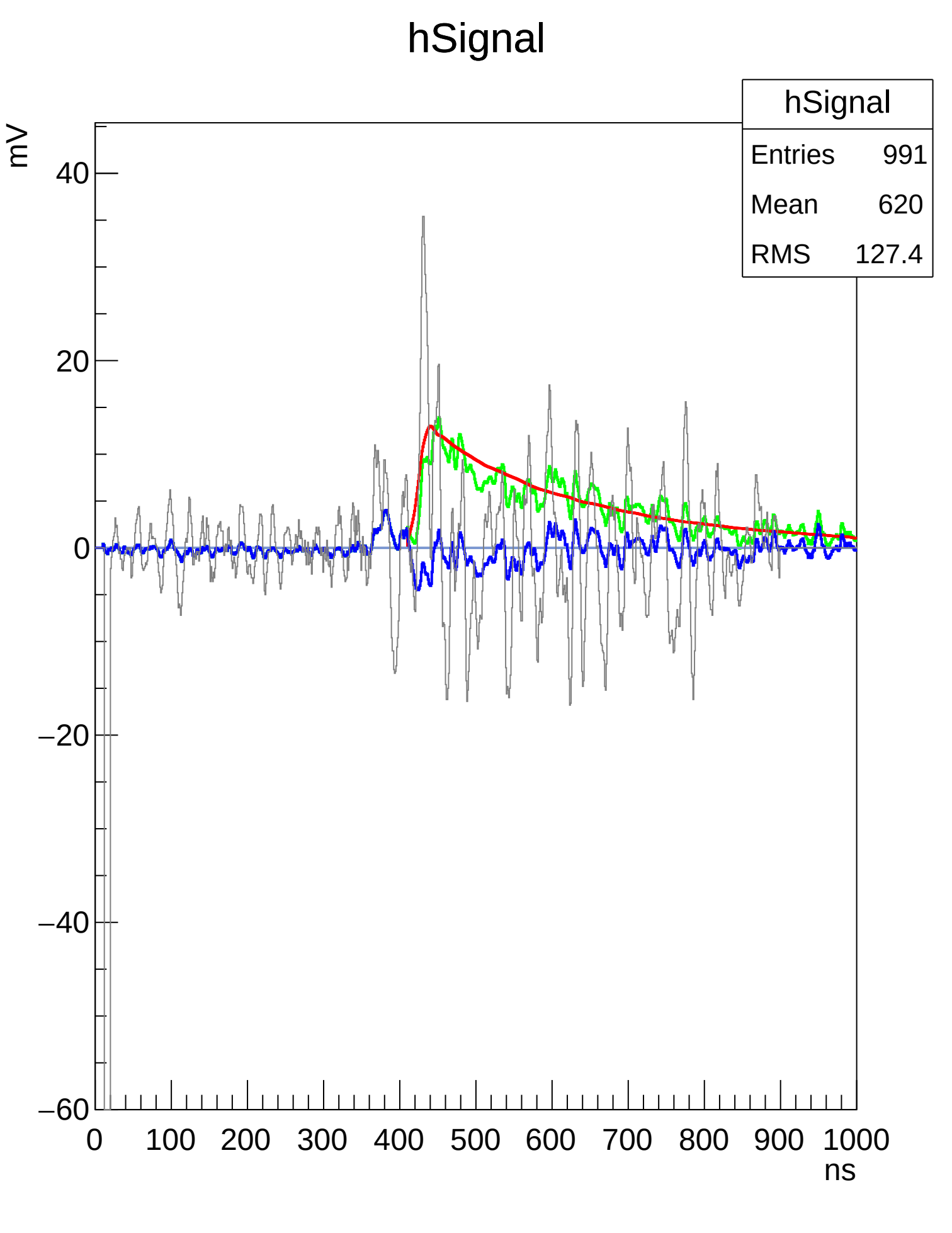
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.5
RMS 165.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.2
RMS 155.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.5
RMS 171.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620
RMS 127.4
mV
40
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0
−20
−40
−60
0
100
200
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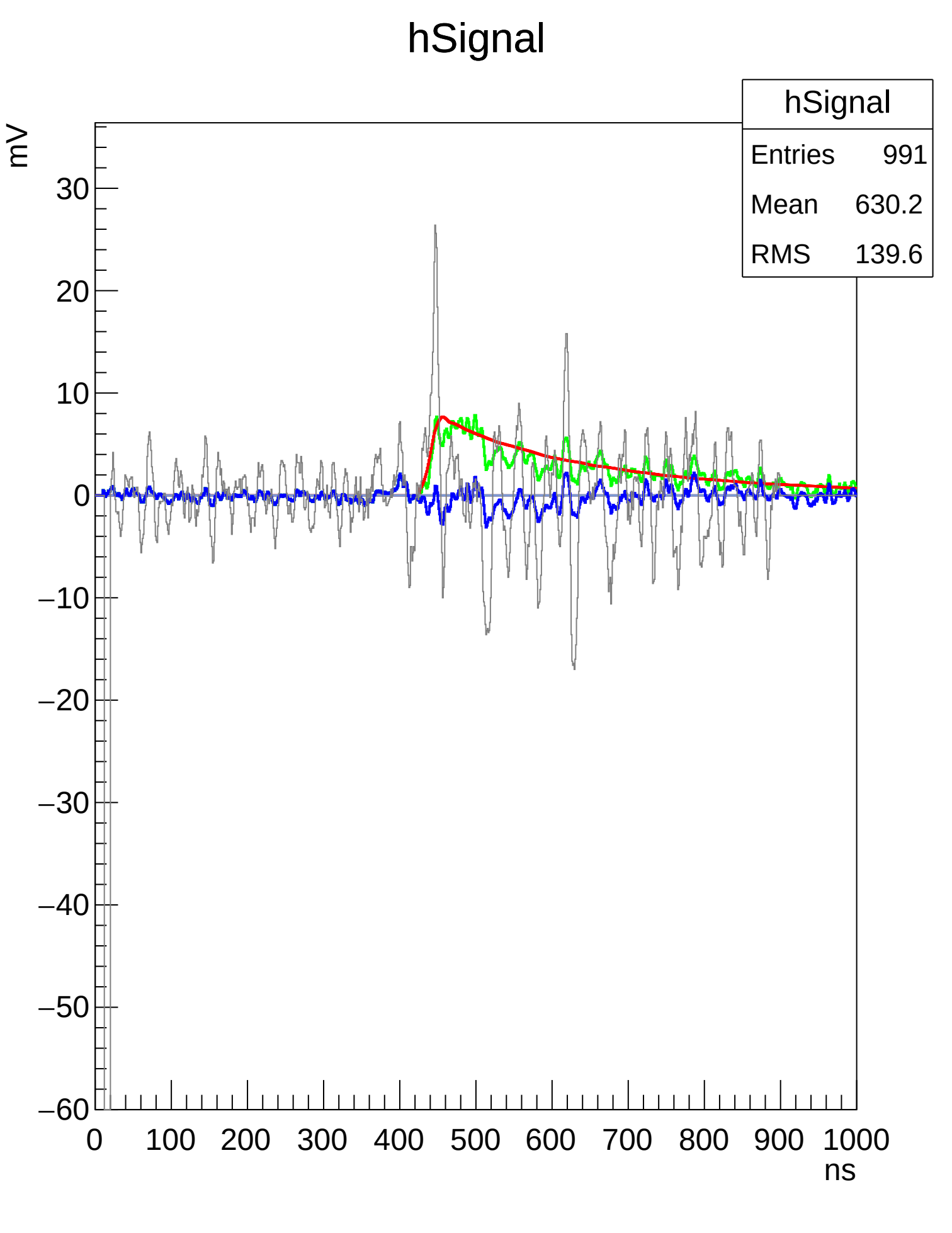
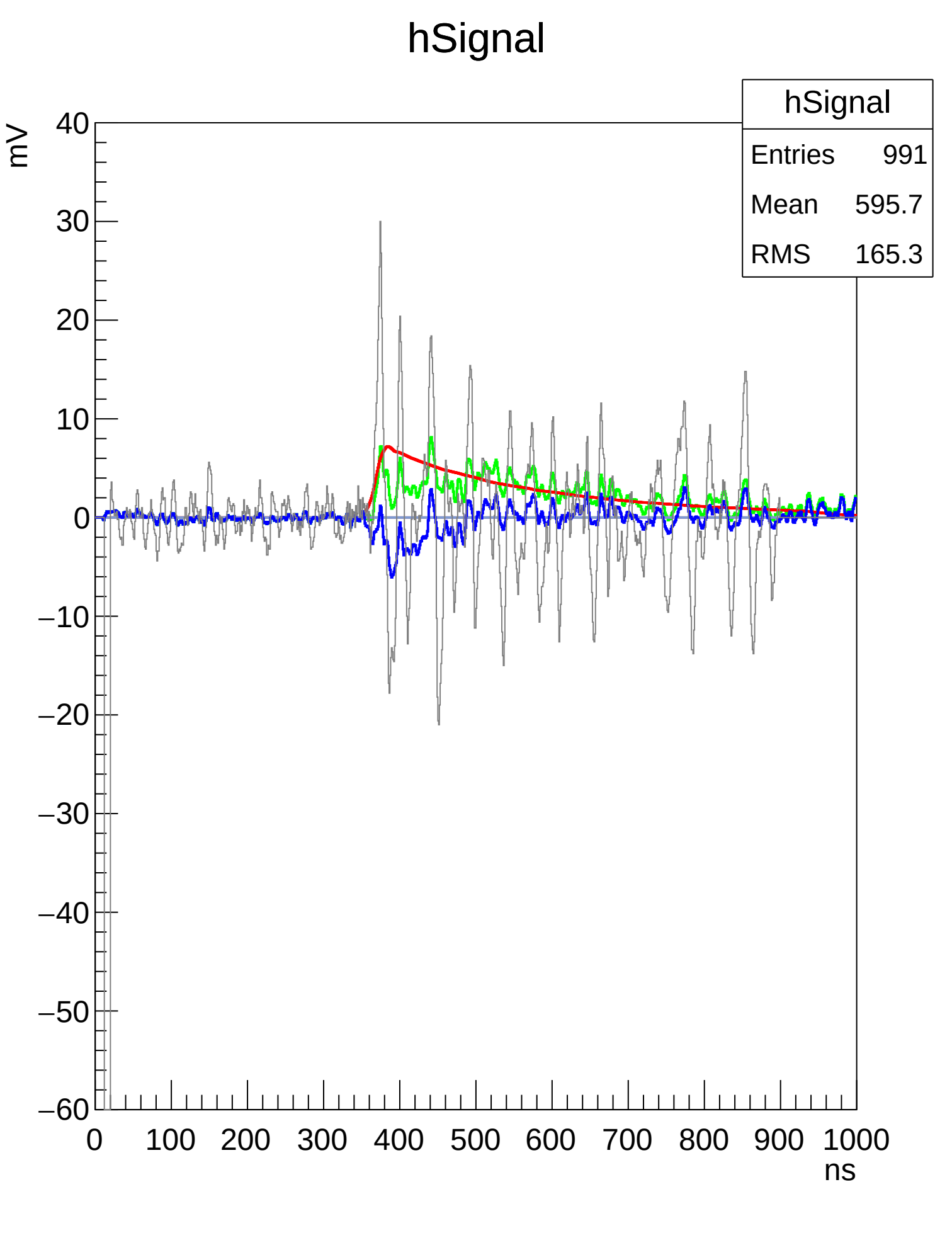
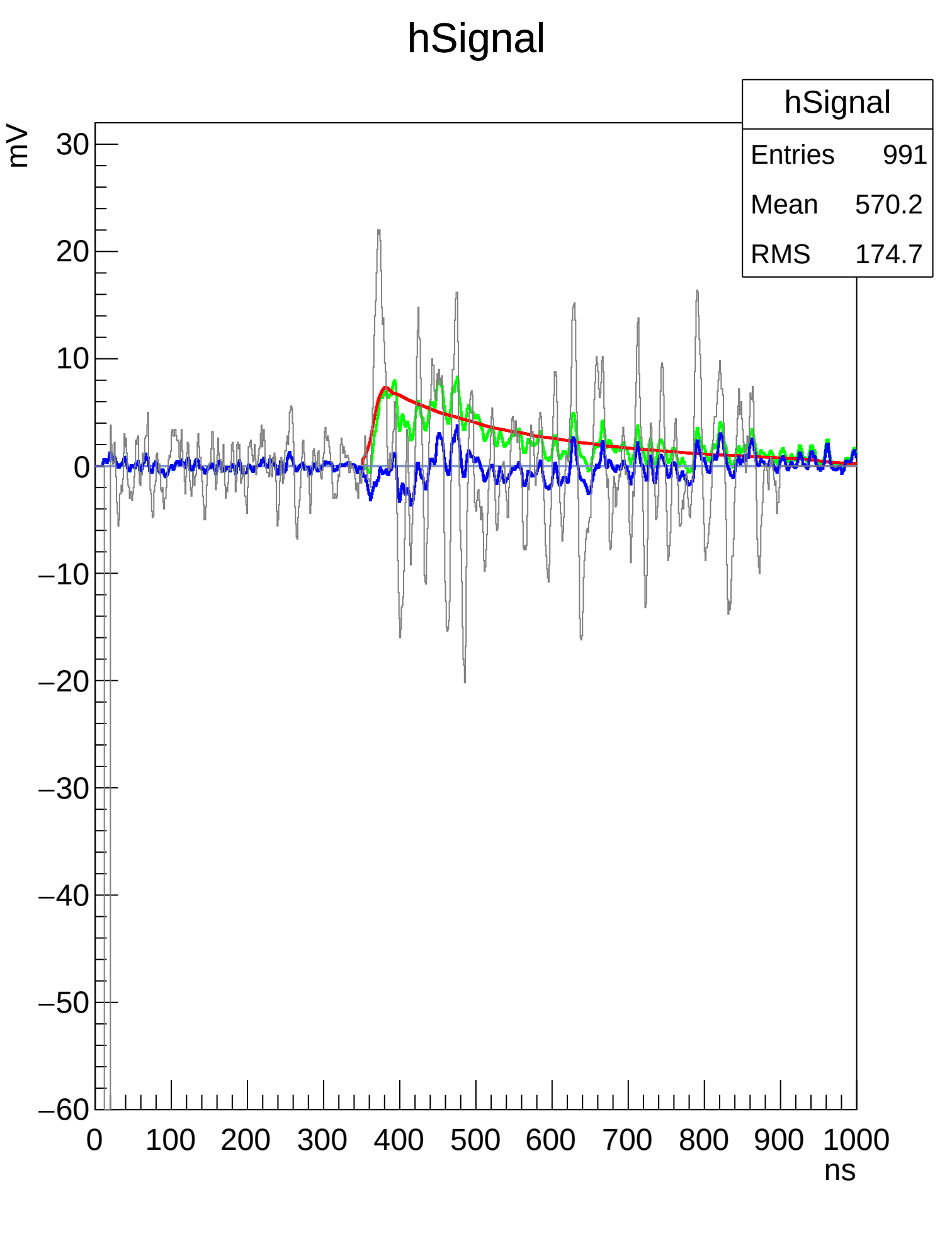
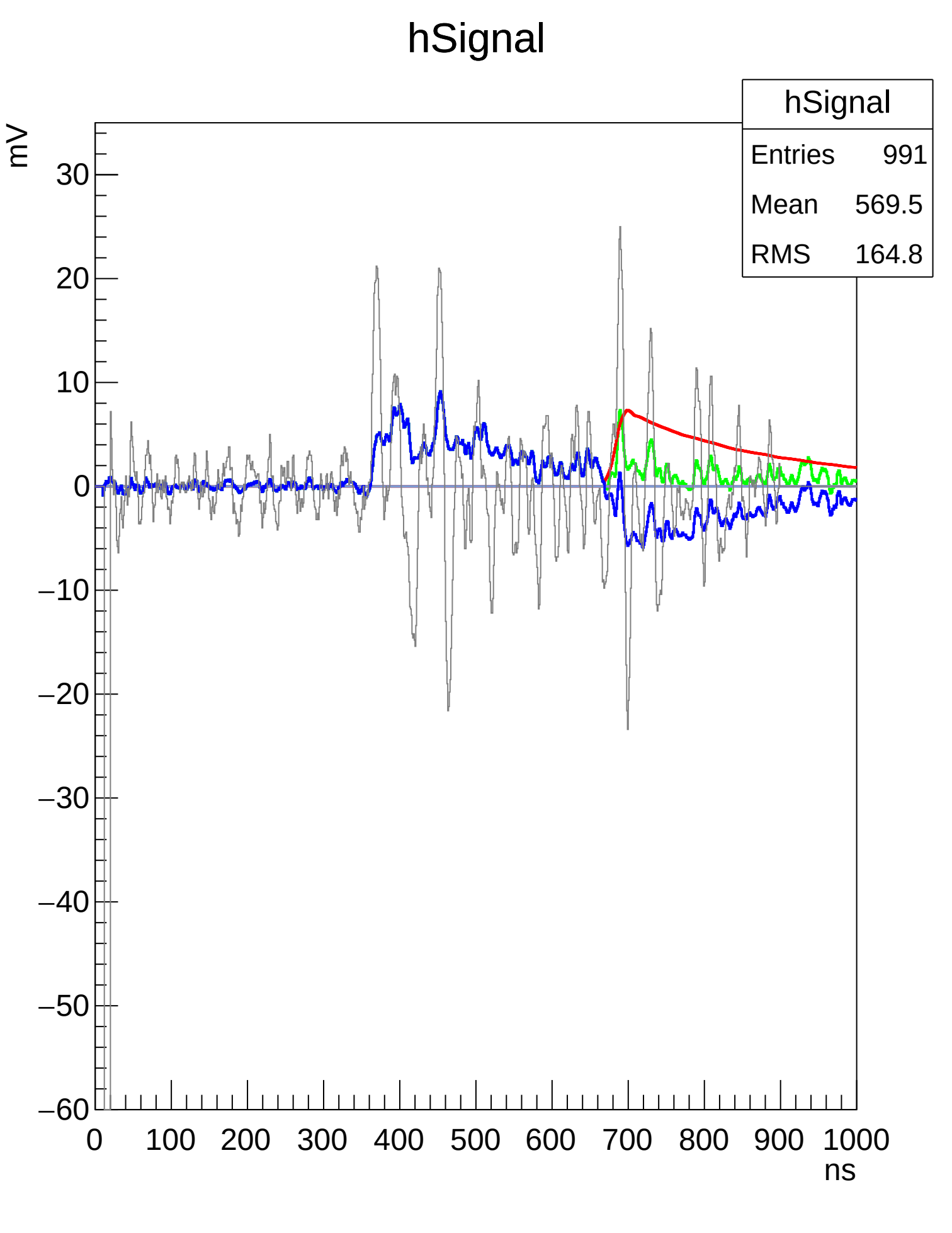
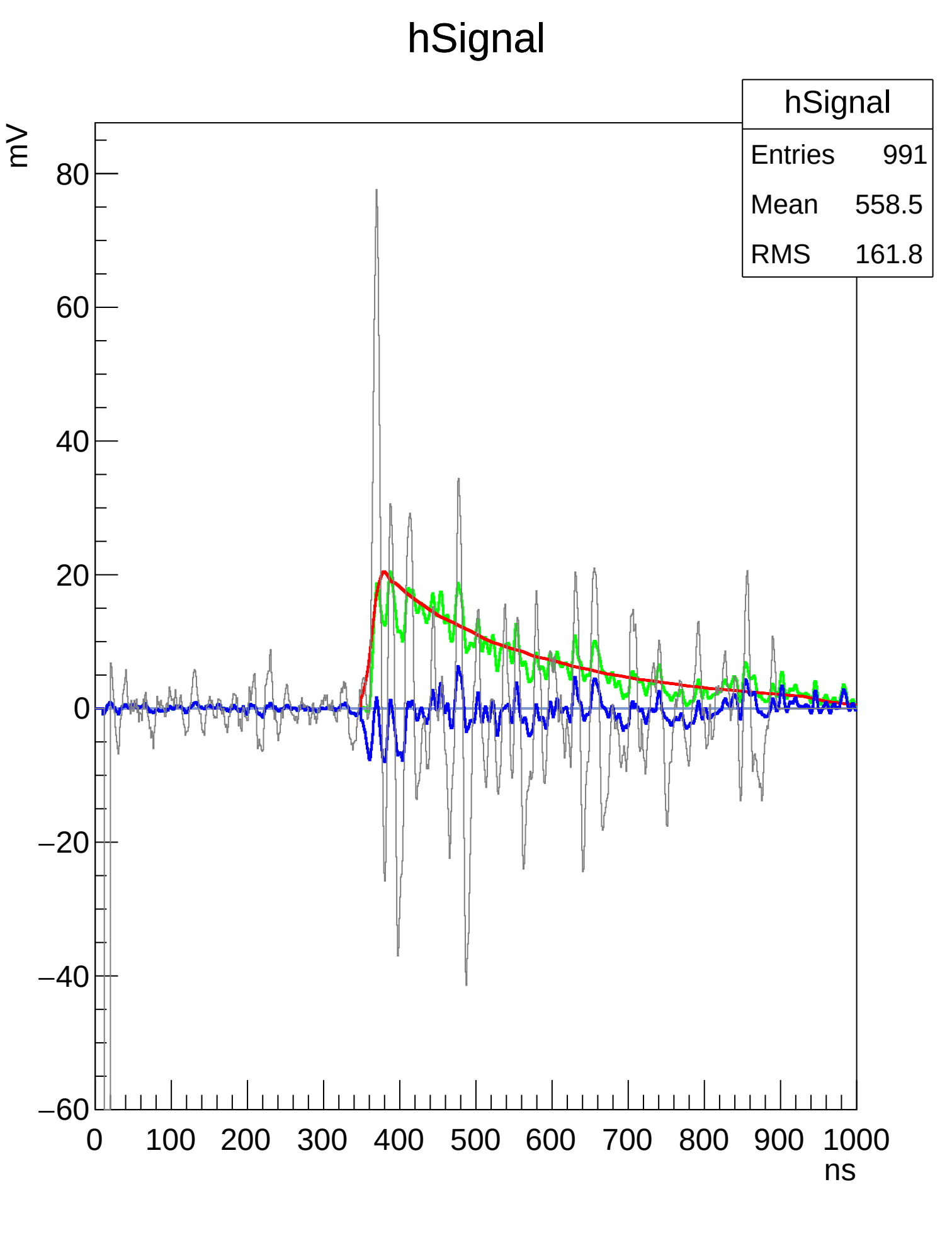
600
700
800
900
1000
ns

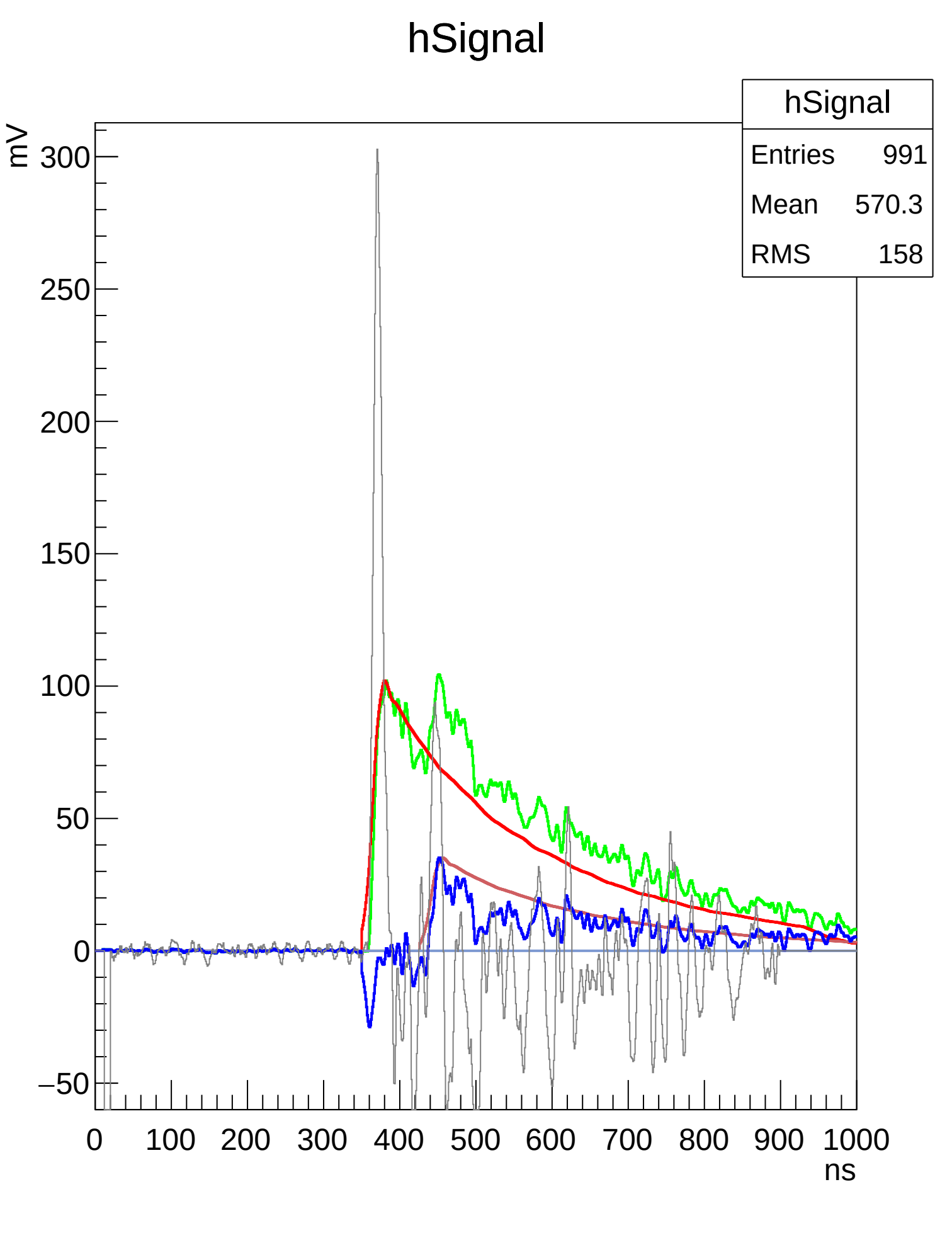

hSignal
hSignal
Entries 991
Mean 630.2
RMS 139.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.7
RMS 165.3
mV
40
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.2
RMS 174.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.5
RMS 164.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.5
RMS 161.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.3
RMS 158
mV
300
250
200
150
100
50
0
−50
0
100
200
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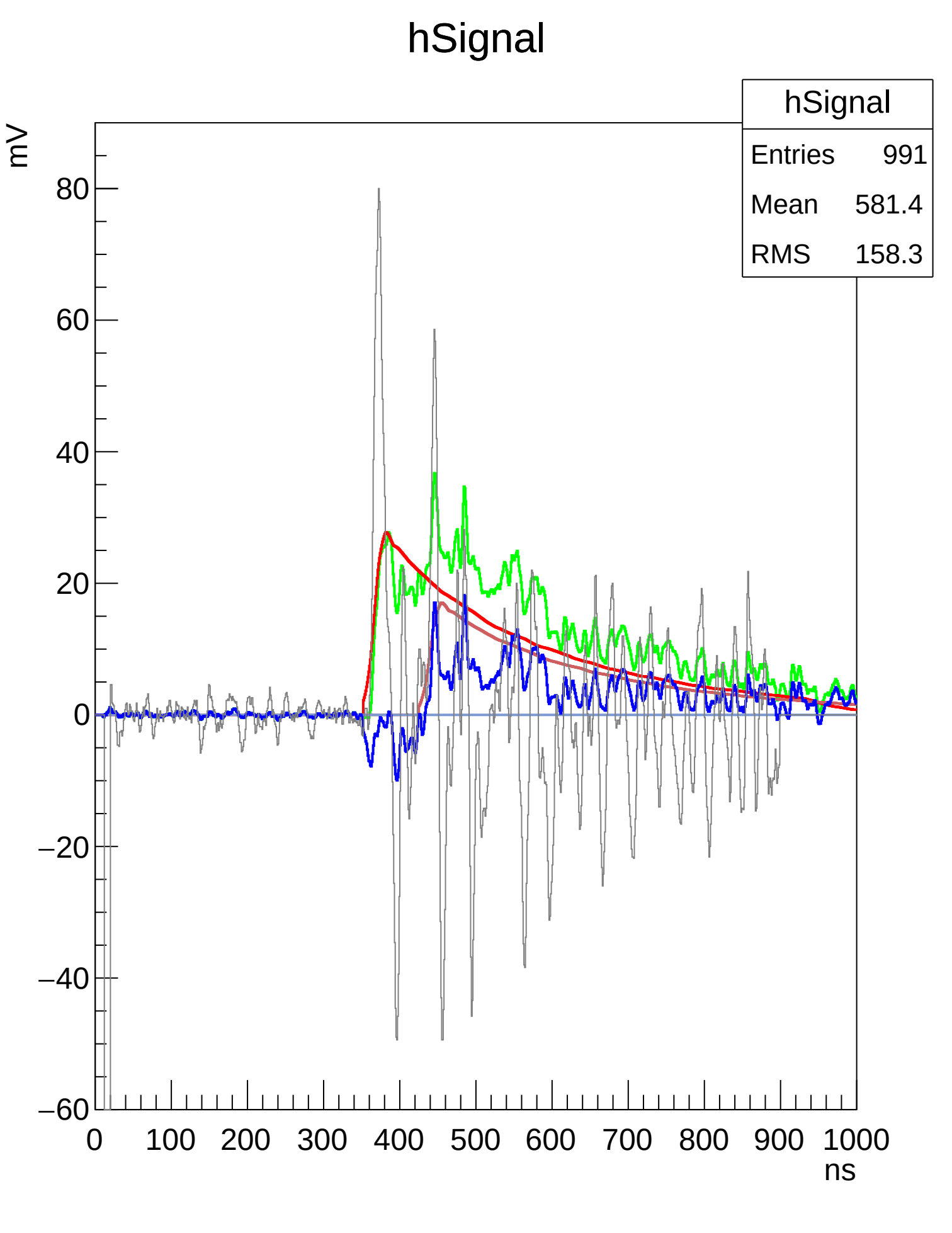
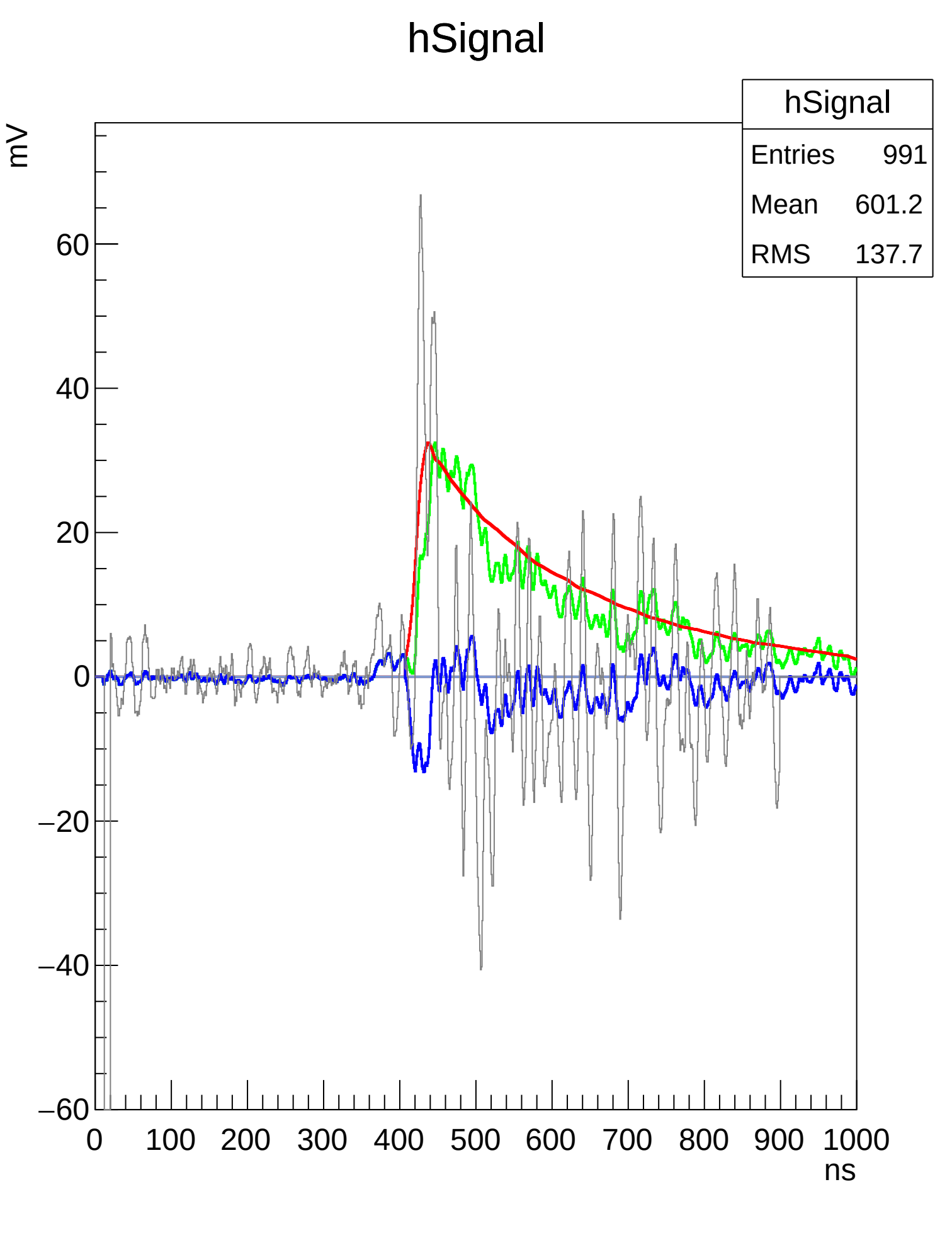
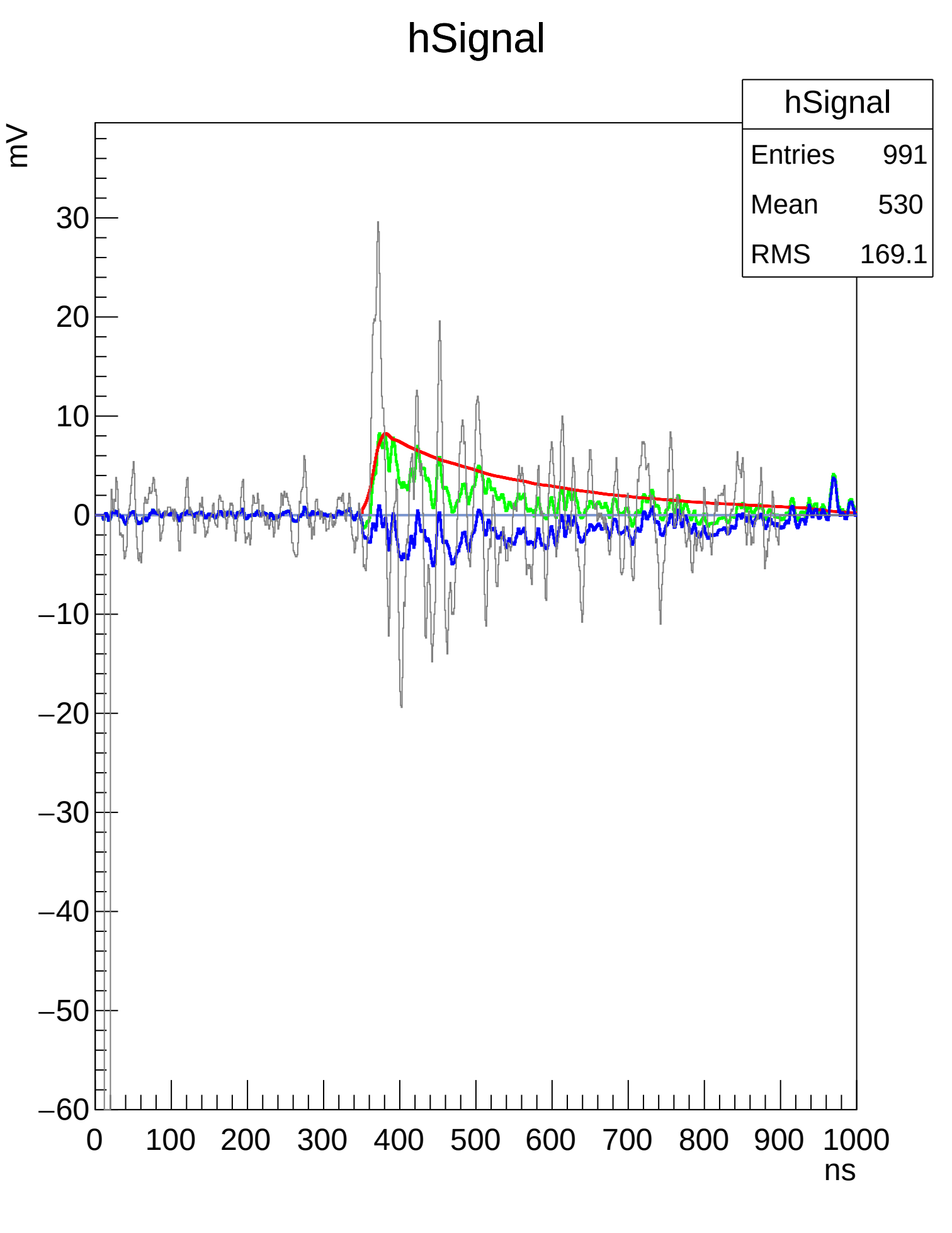
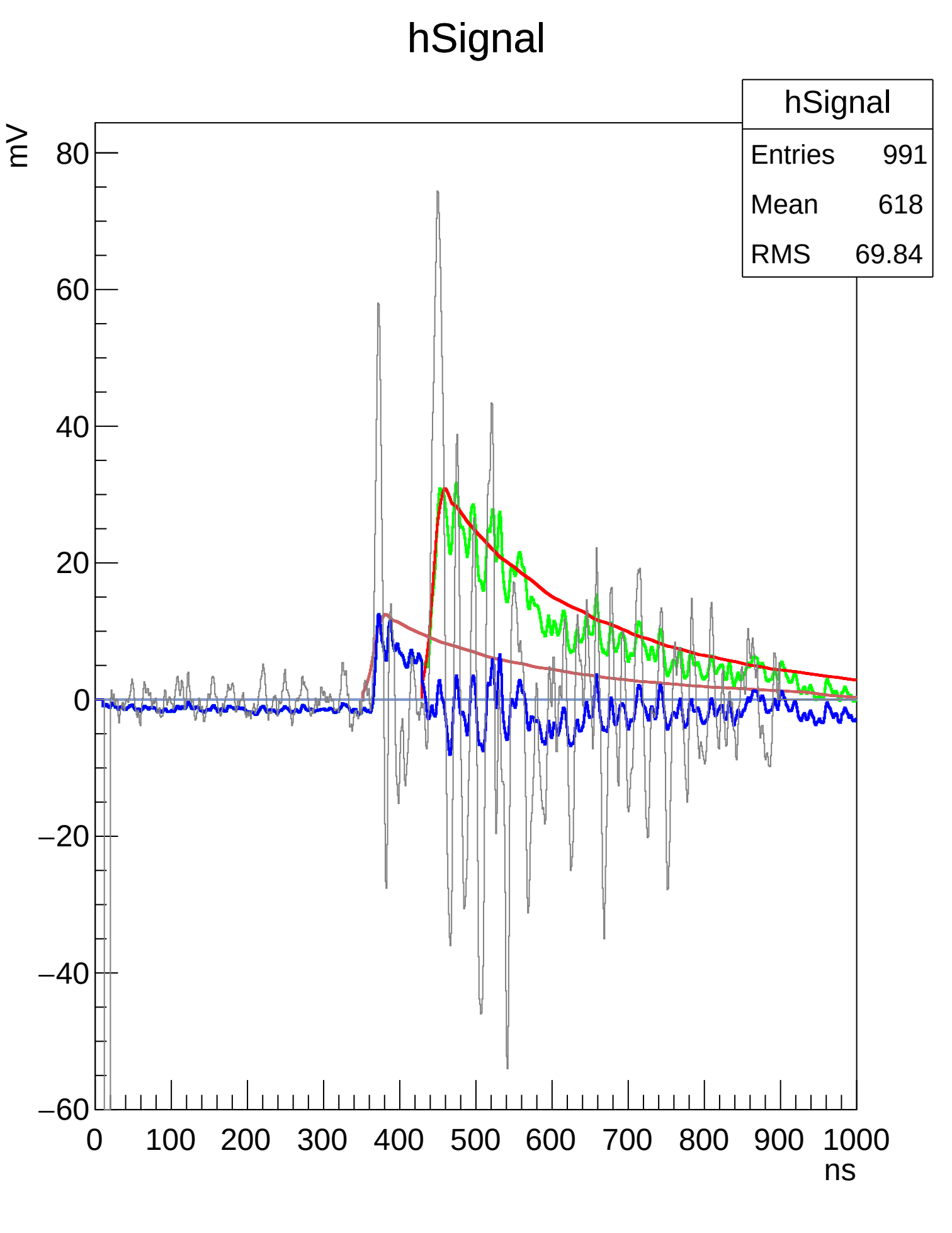
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.4
RMS 158.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.2
RMS 137.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 530
RMS 169.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618
RMS 69.84
mV
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60
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0
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200
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400
500
600
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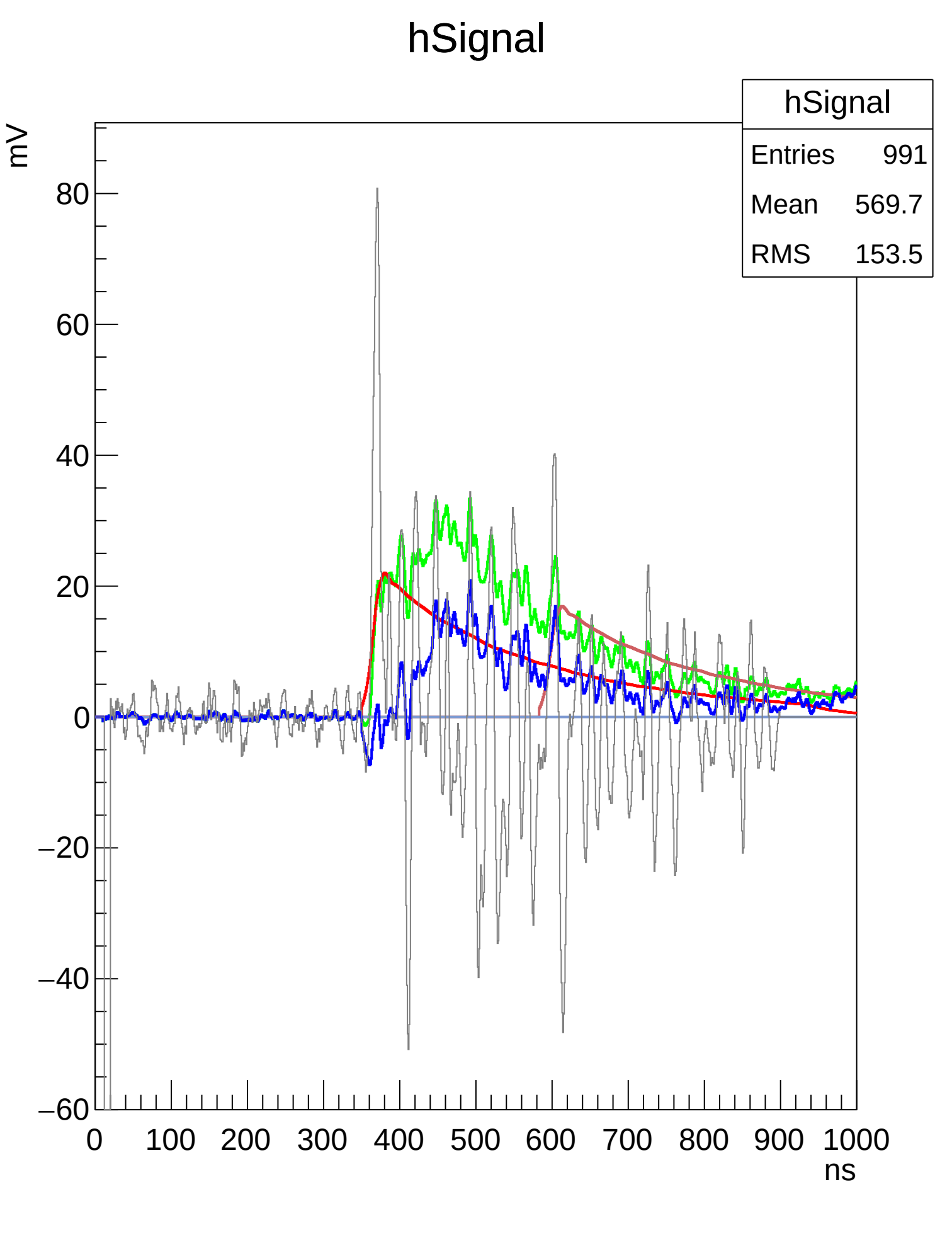
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.7
RMS 153.5
mV
80
60
40
20
0
−20
−40
−60
0
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200
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400
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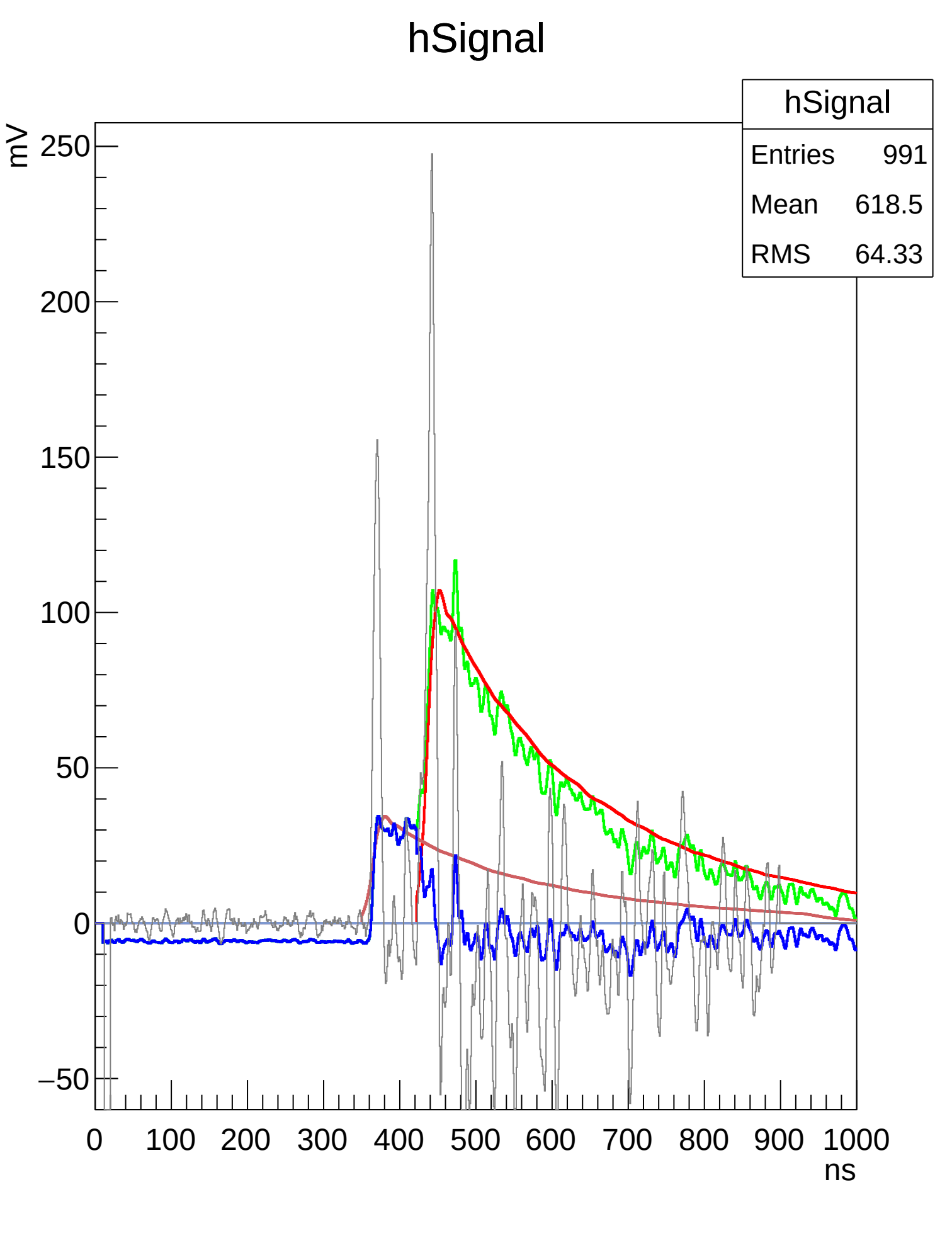
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.5
RMS 64.33
mV
250
200
150
100
50
0
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0
100
200
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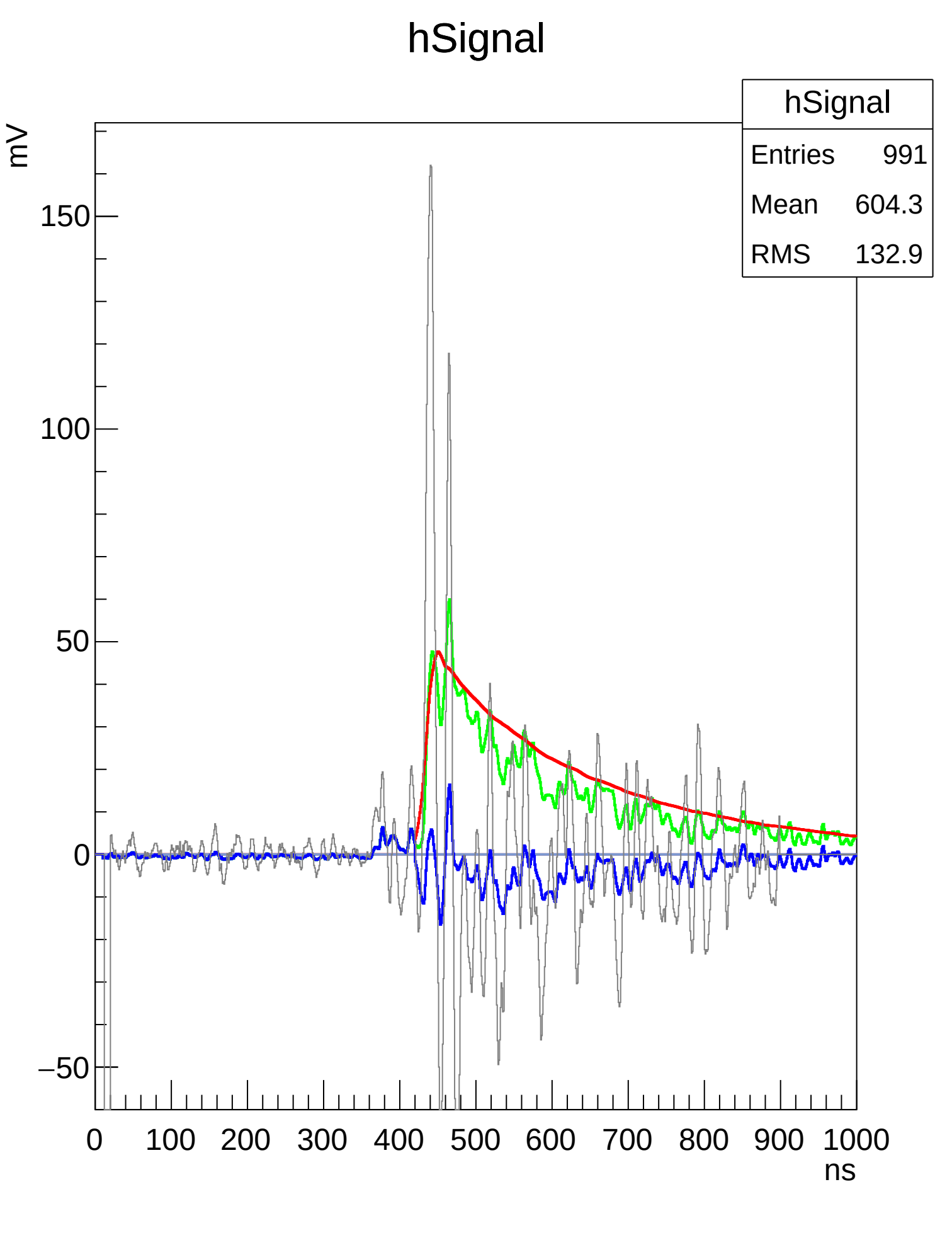
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 604.3
RMS 132.9
mV
150
100
50
0
−50
0
100
200
300
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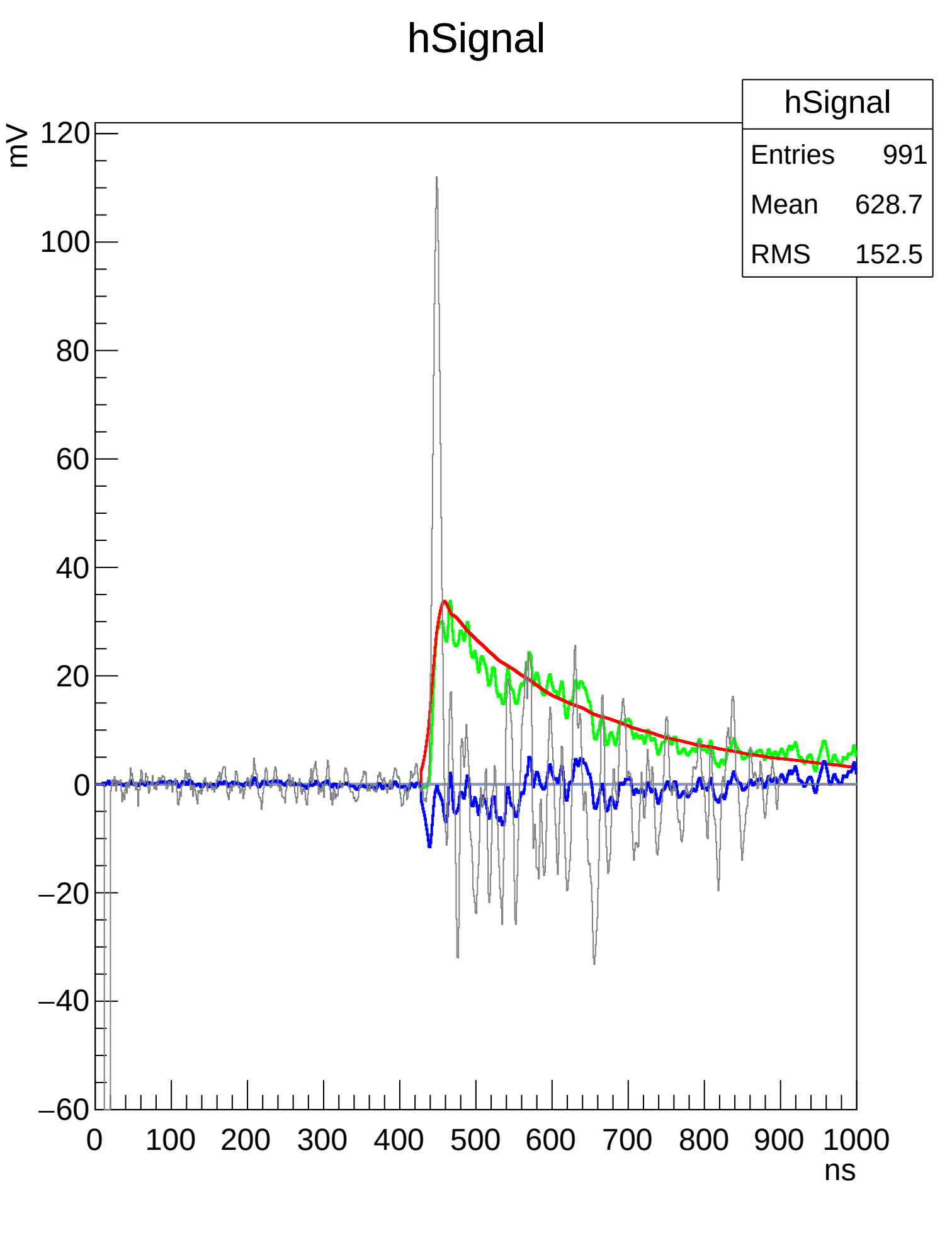
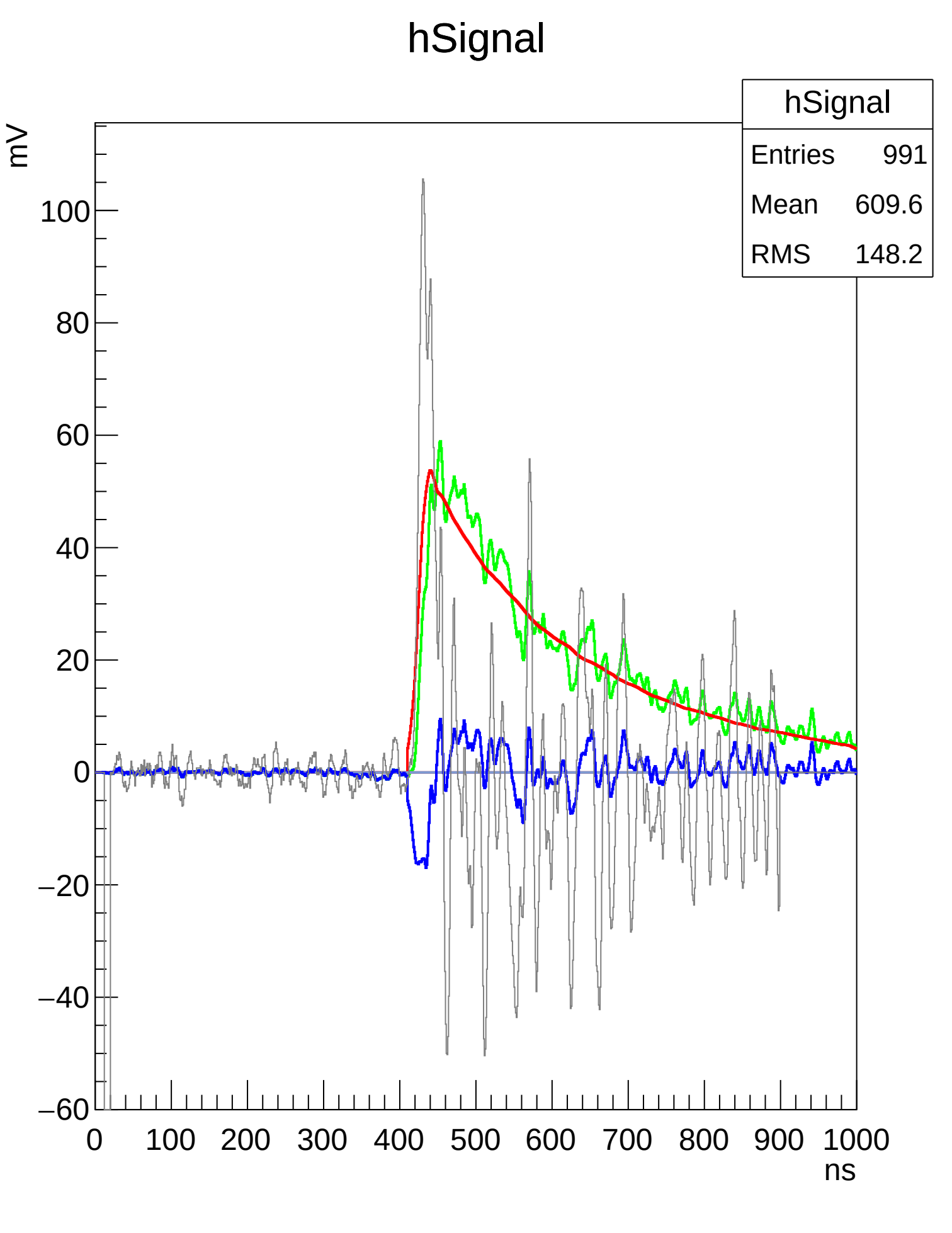
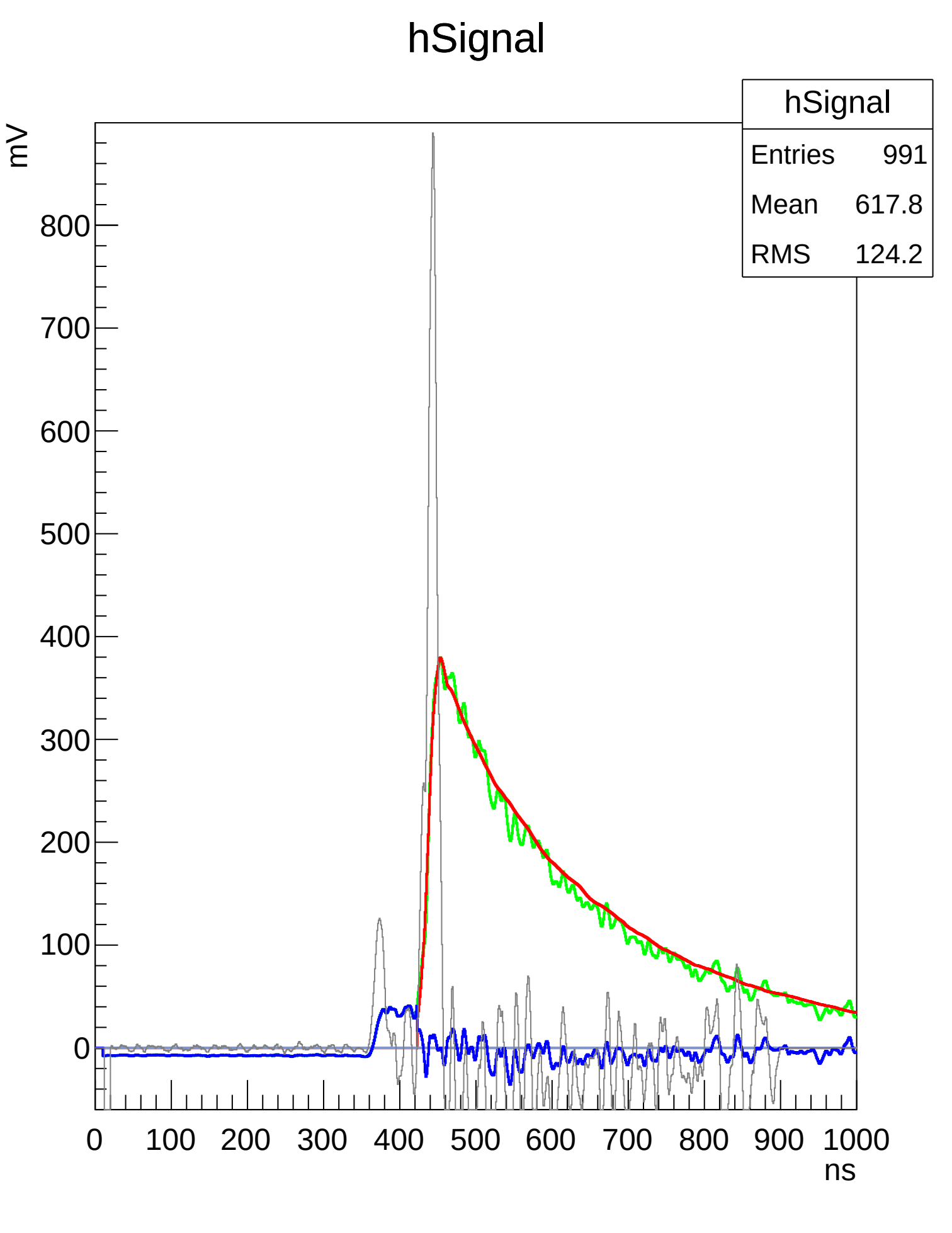
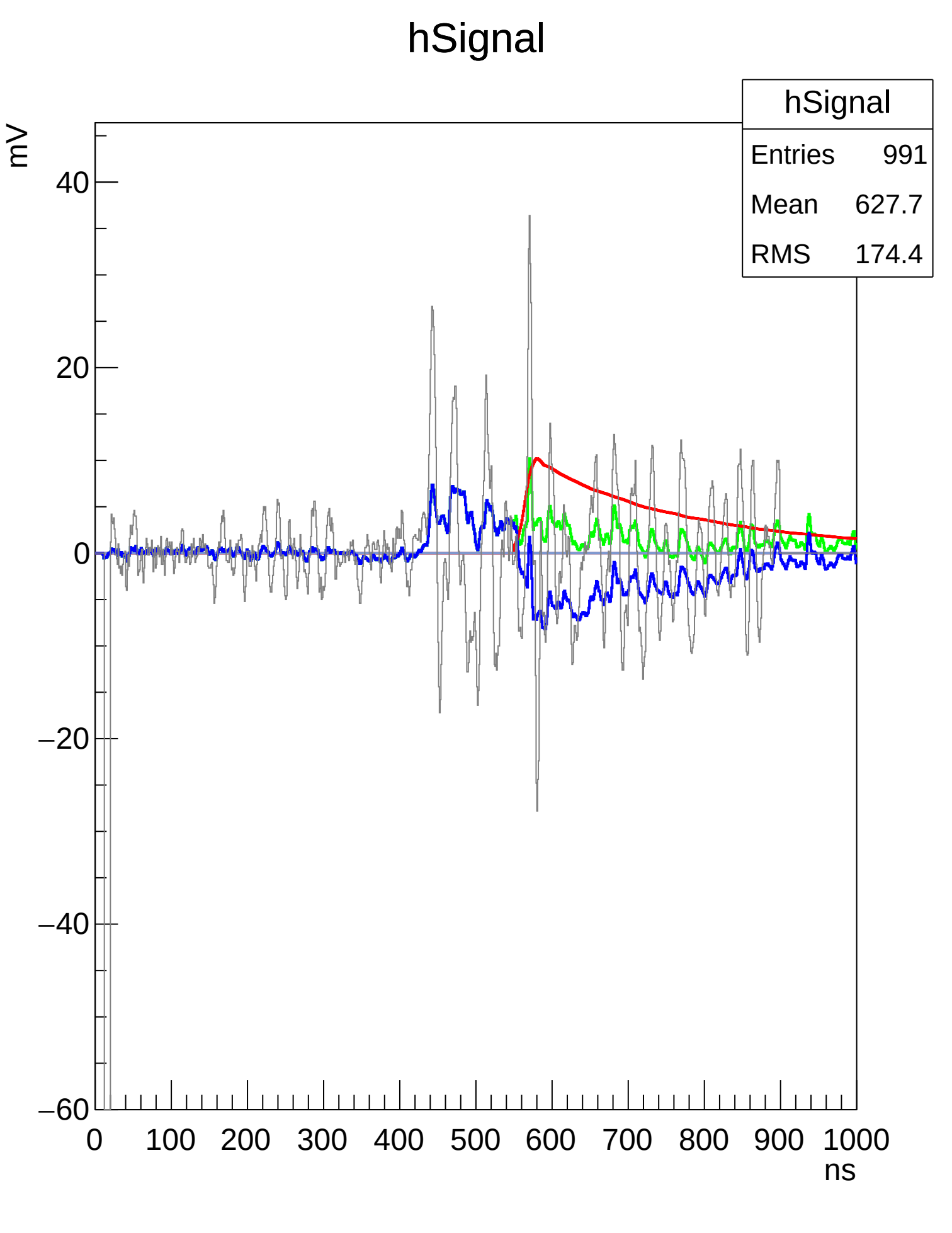
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 628.7
RMS 152.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.6
RMS 148.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.8
RMS 124.2
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 627.7
RMS 174.4
mV
40
20
0
−20
−40
−60
0
100
200
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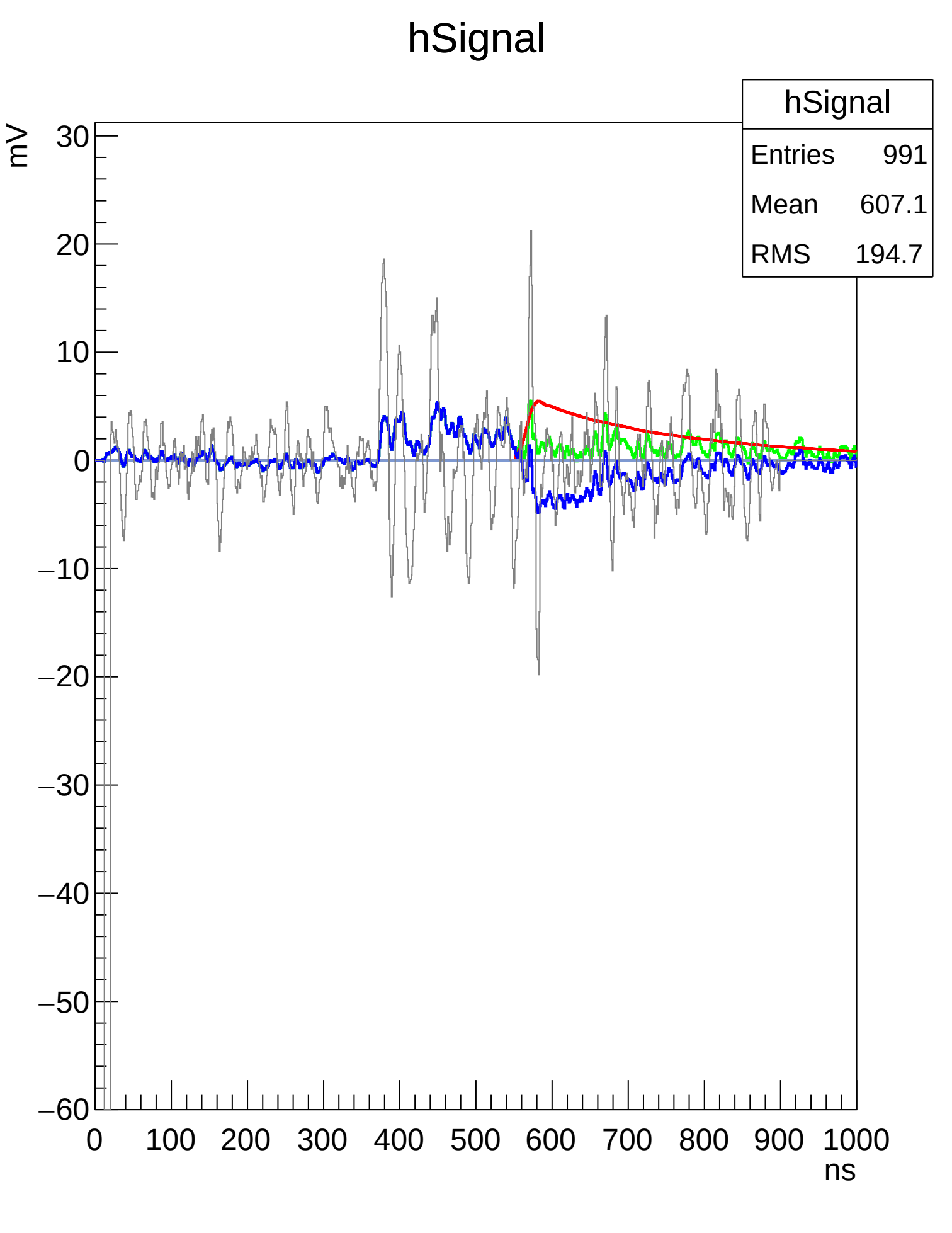
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.1
RMS 194.7
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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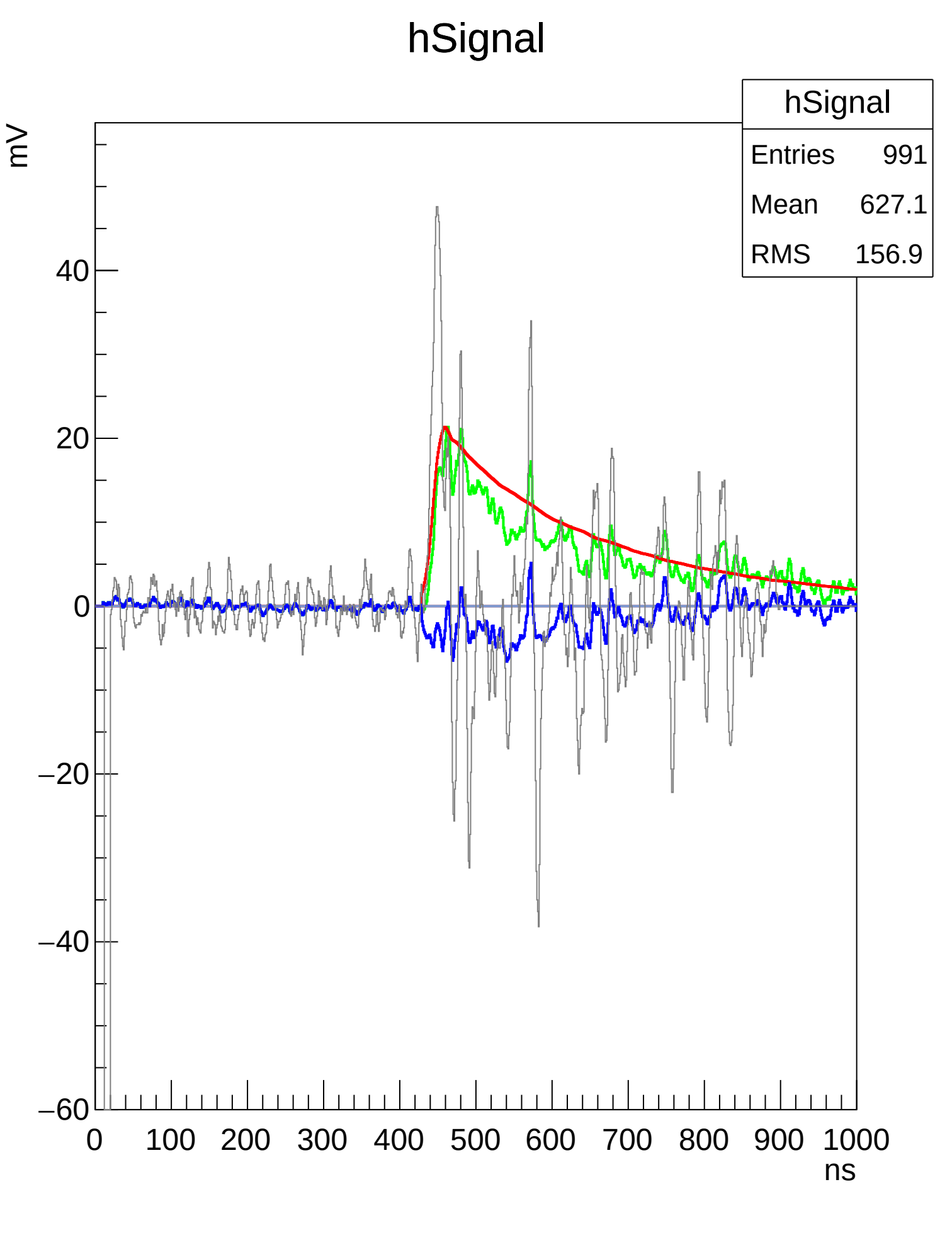
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.1
RMS 156.9
mV
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20
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−20
−40
−60
0
100
200
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400
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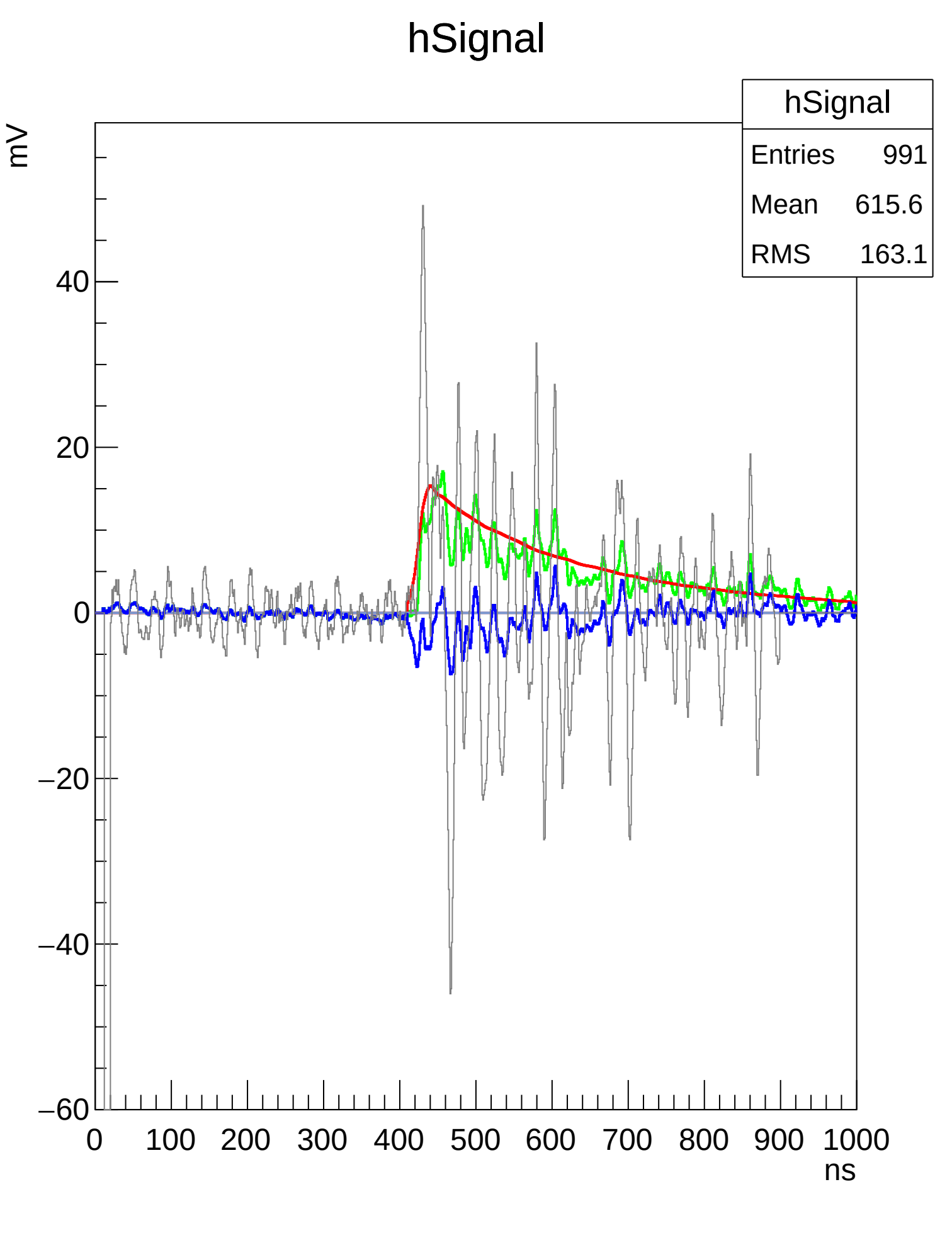
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.6
RMS 163.1
mV
40
20
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−20
−40
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0
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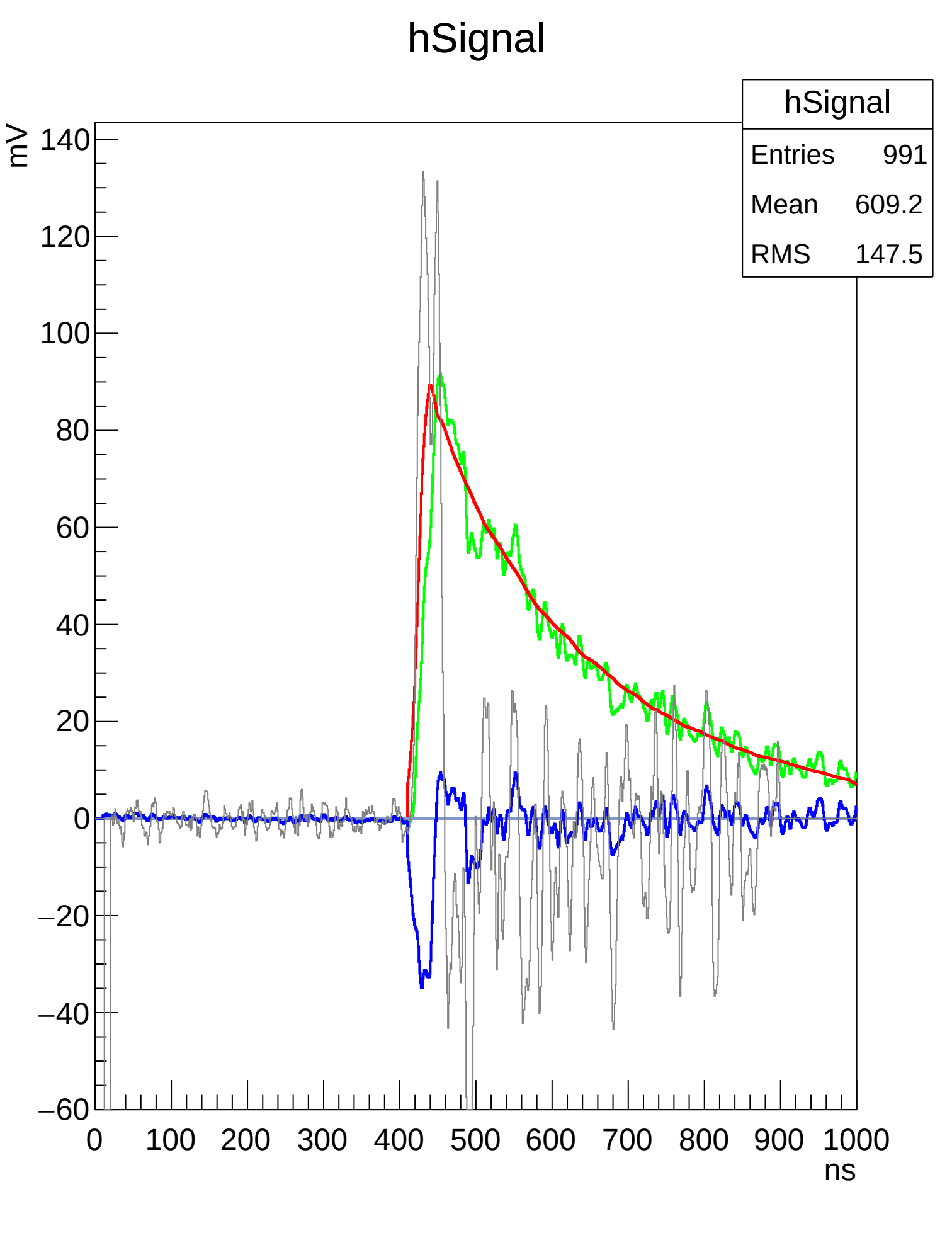
1000
ns


hSignal
hSignal
Entries 991
Mean 609.2
RMS 147.5
mV
140
120
100
80
60
40
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−20
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0
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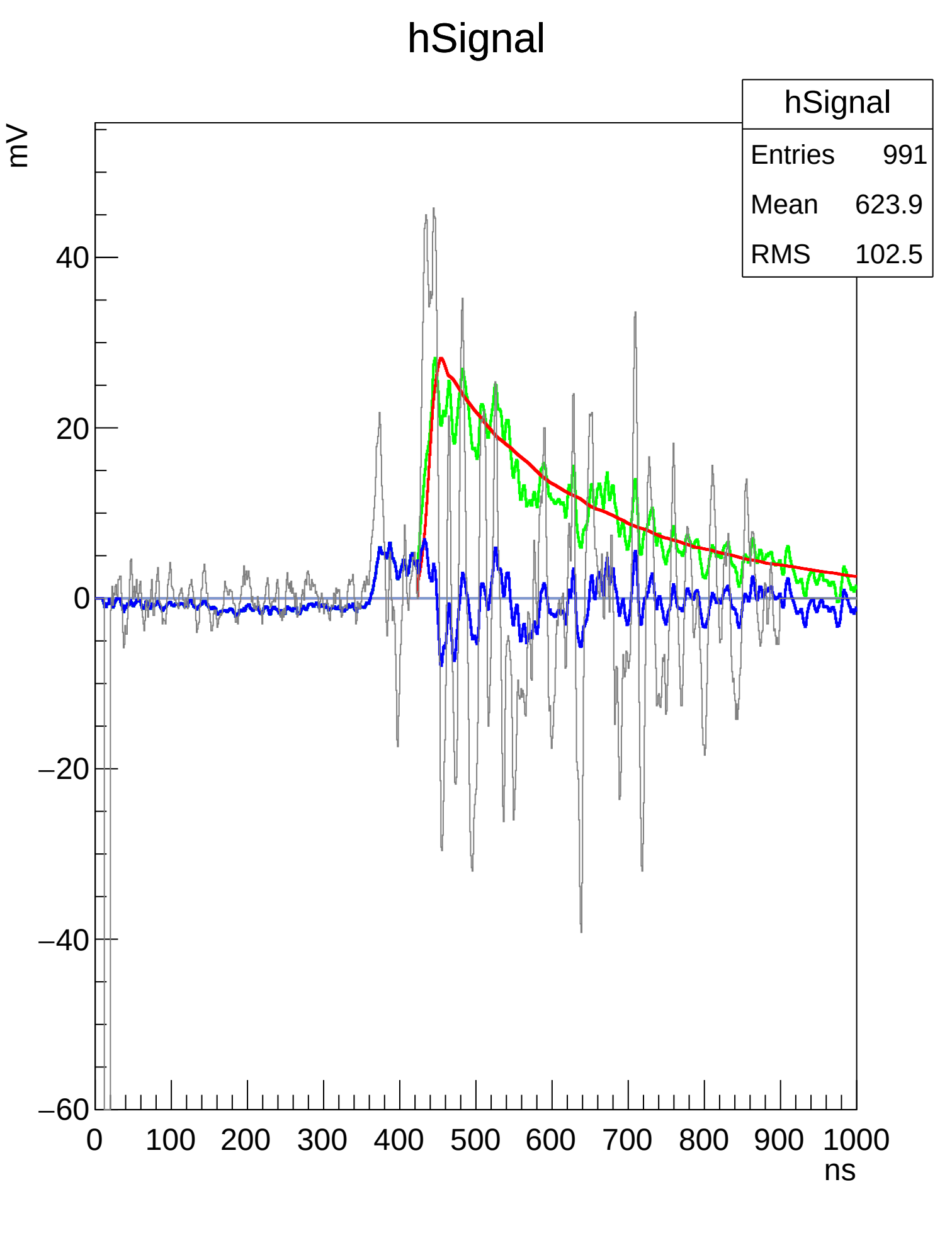
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.9
RMS 102.5
mV
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0
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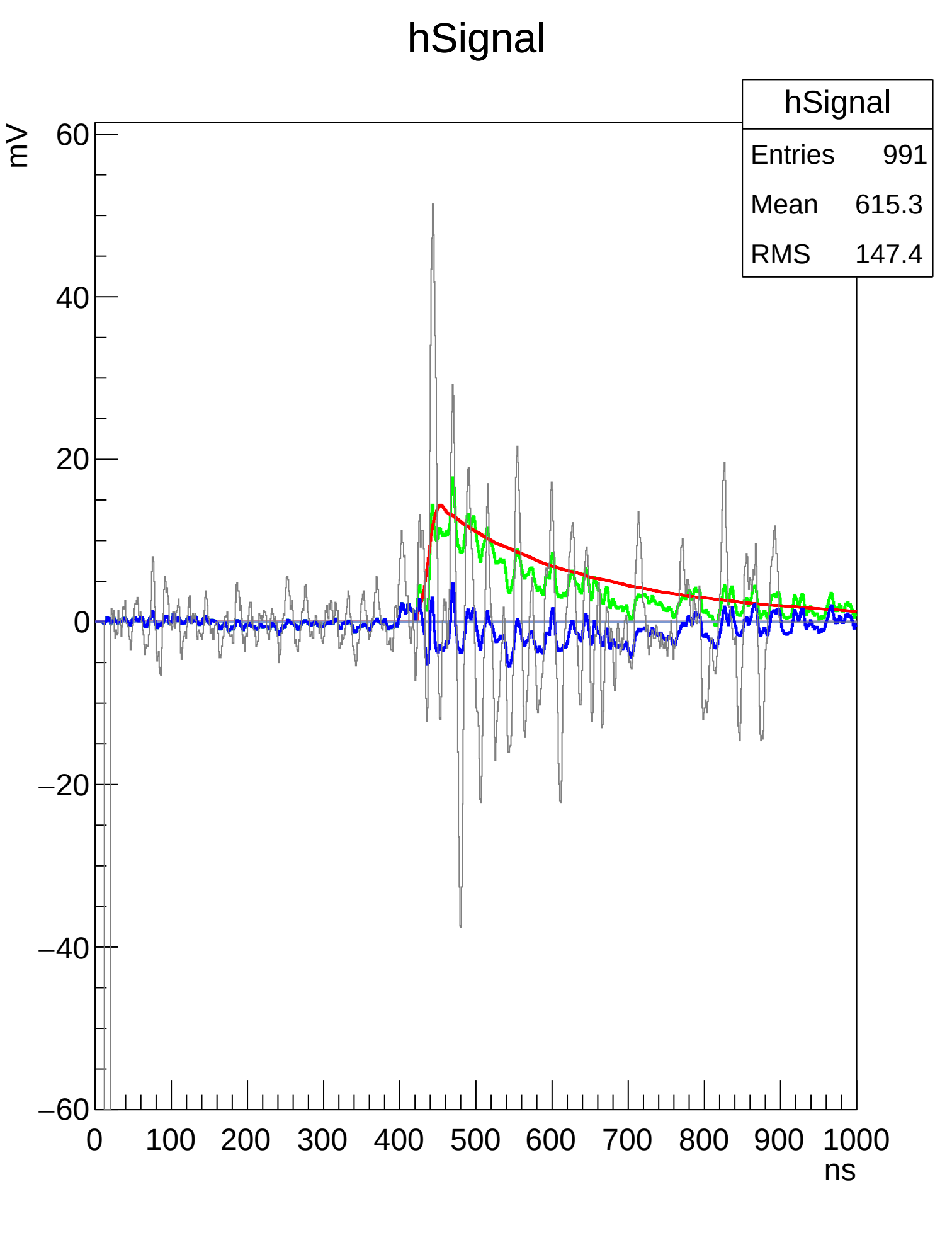
1000
ns


hSignal
hSignal
Entries 991
Mean 615.3
RMS 147.4
mV
60
40
20
0
−20
−40
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0
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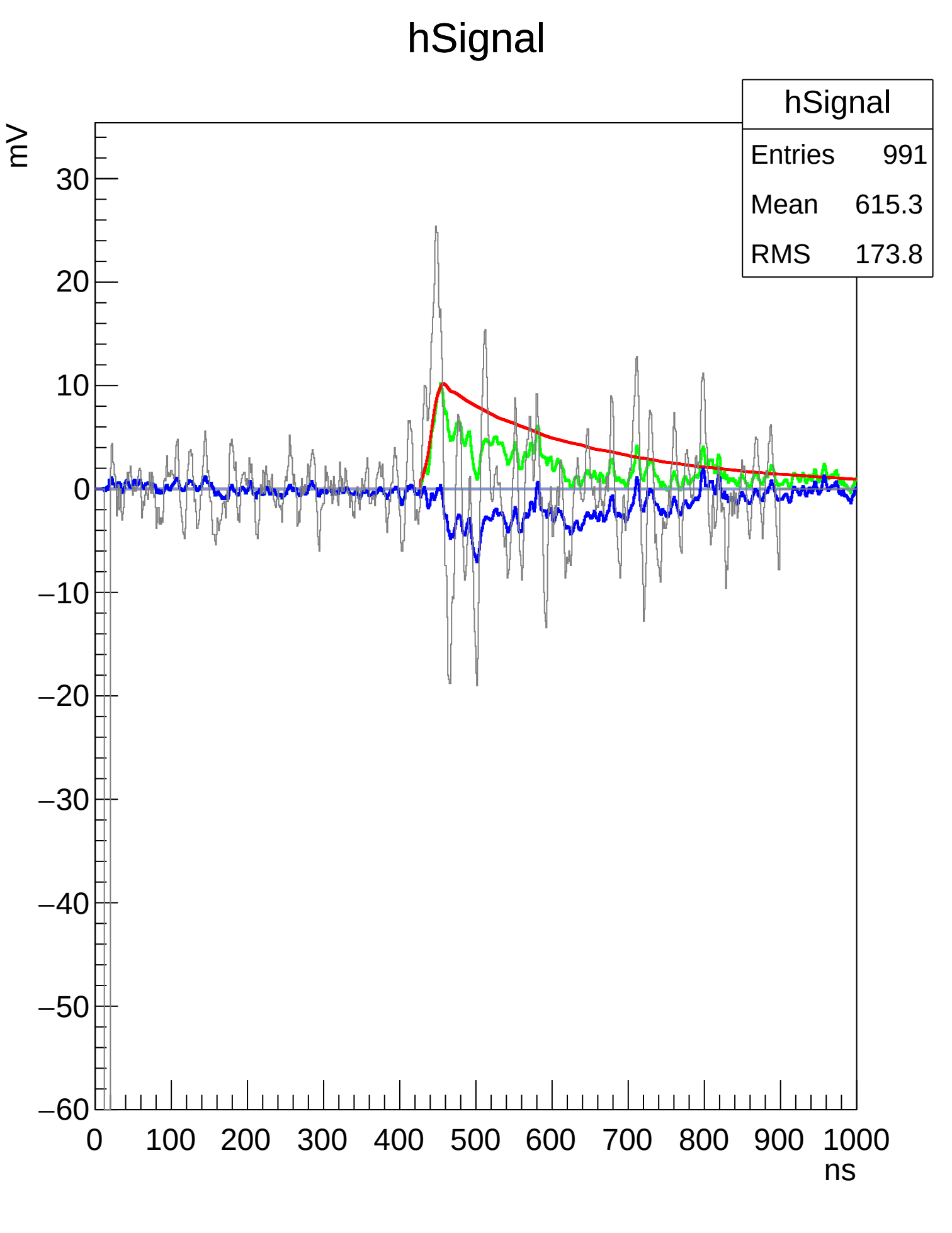
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.3
RMS 173.8
mV
30
20
10
0
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−50
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0
100
200
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400
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600
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800
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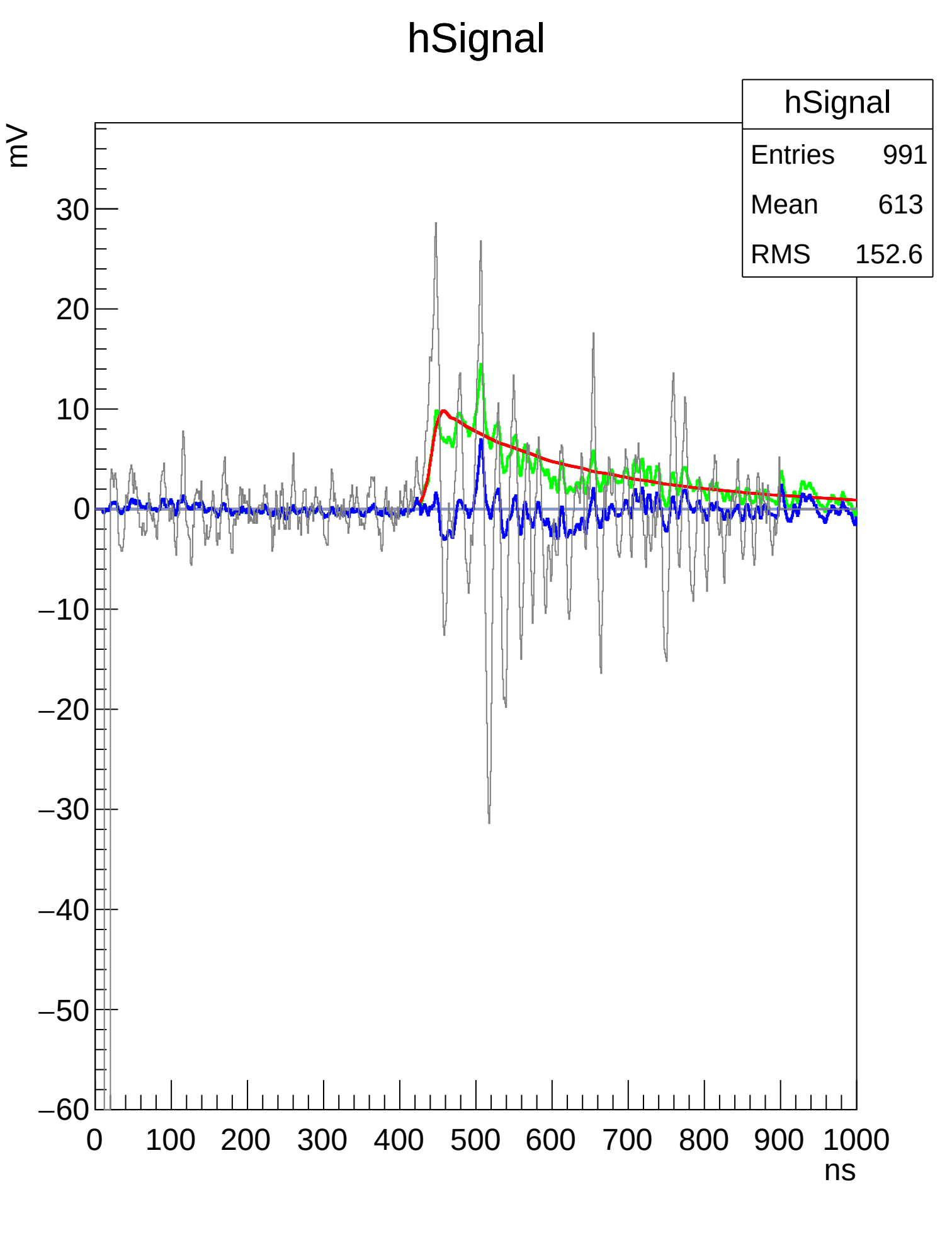
1000
ns


hSignal
hSignal
Entries 991
Mean 613
RMS 152.6
mV
30
20
10
0
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−50
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0
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400
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800
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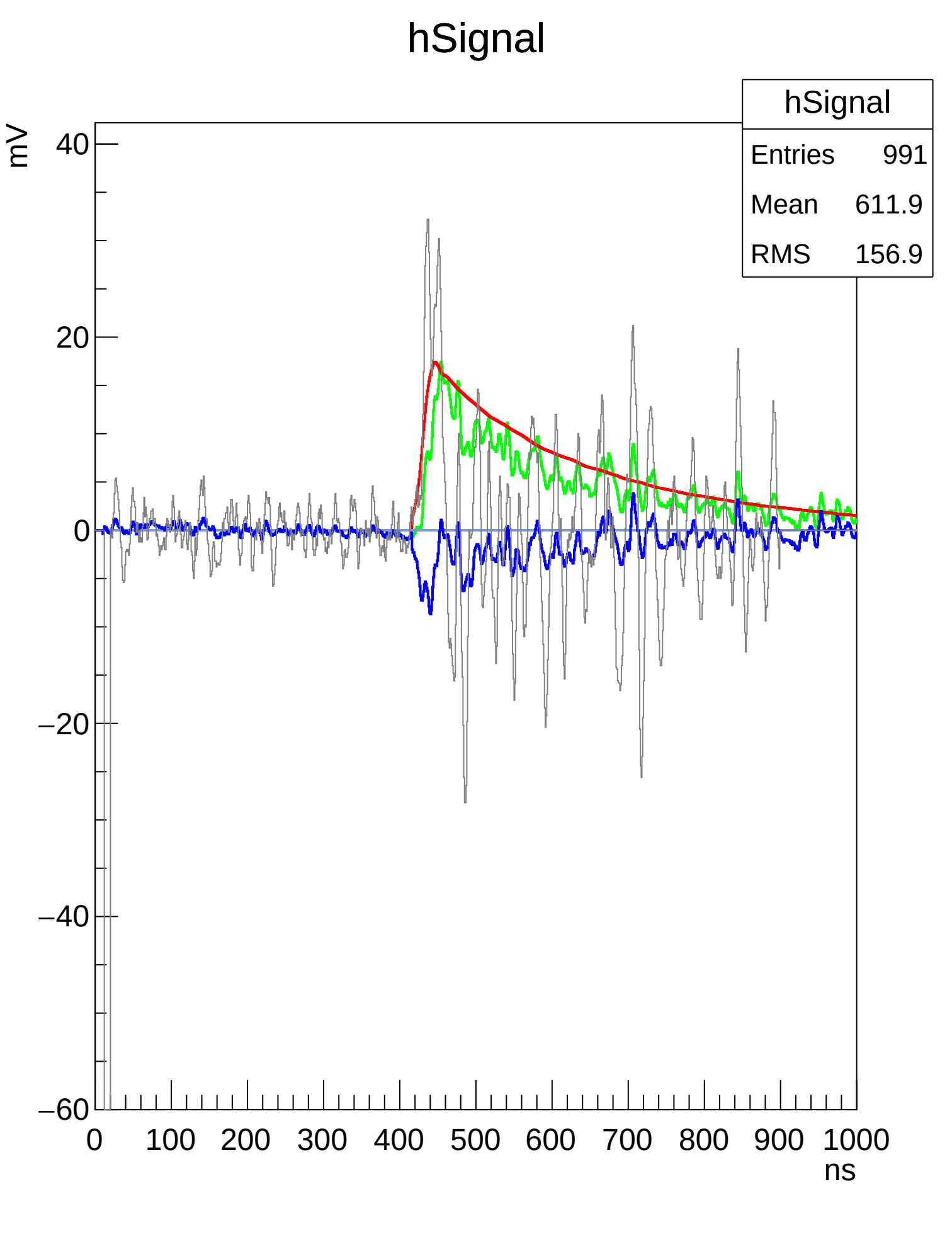
1000
ns


hSignal
hSignal
Entries 991
Mean 611.9
RMS 156.9
mV
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20
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−20
−40
−60
0
100
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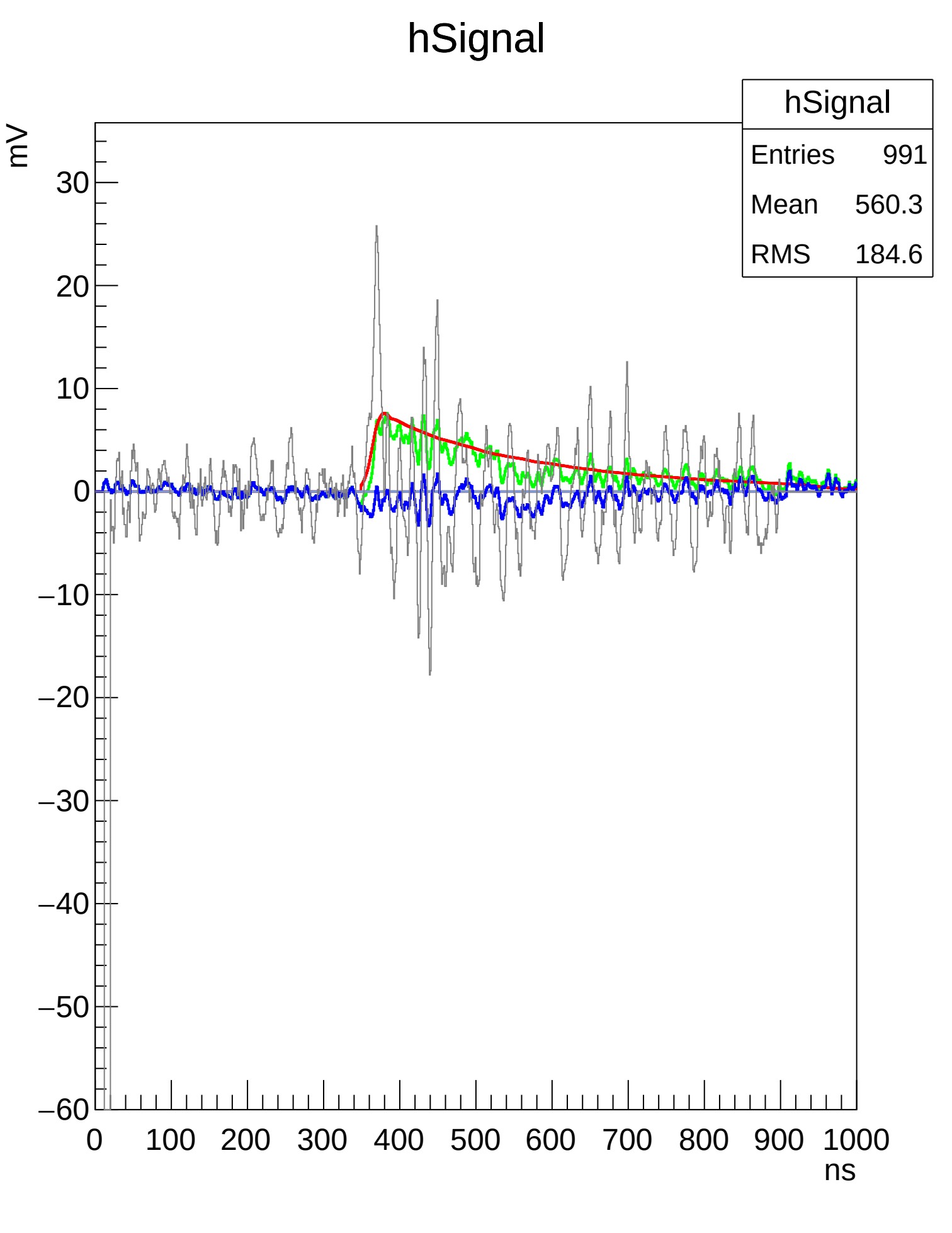
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 560.3
RMS 184.6
mV
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20
10
0
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0
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400
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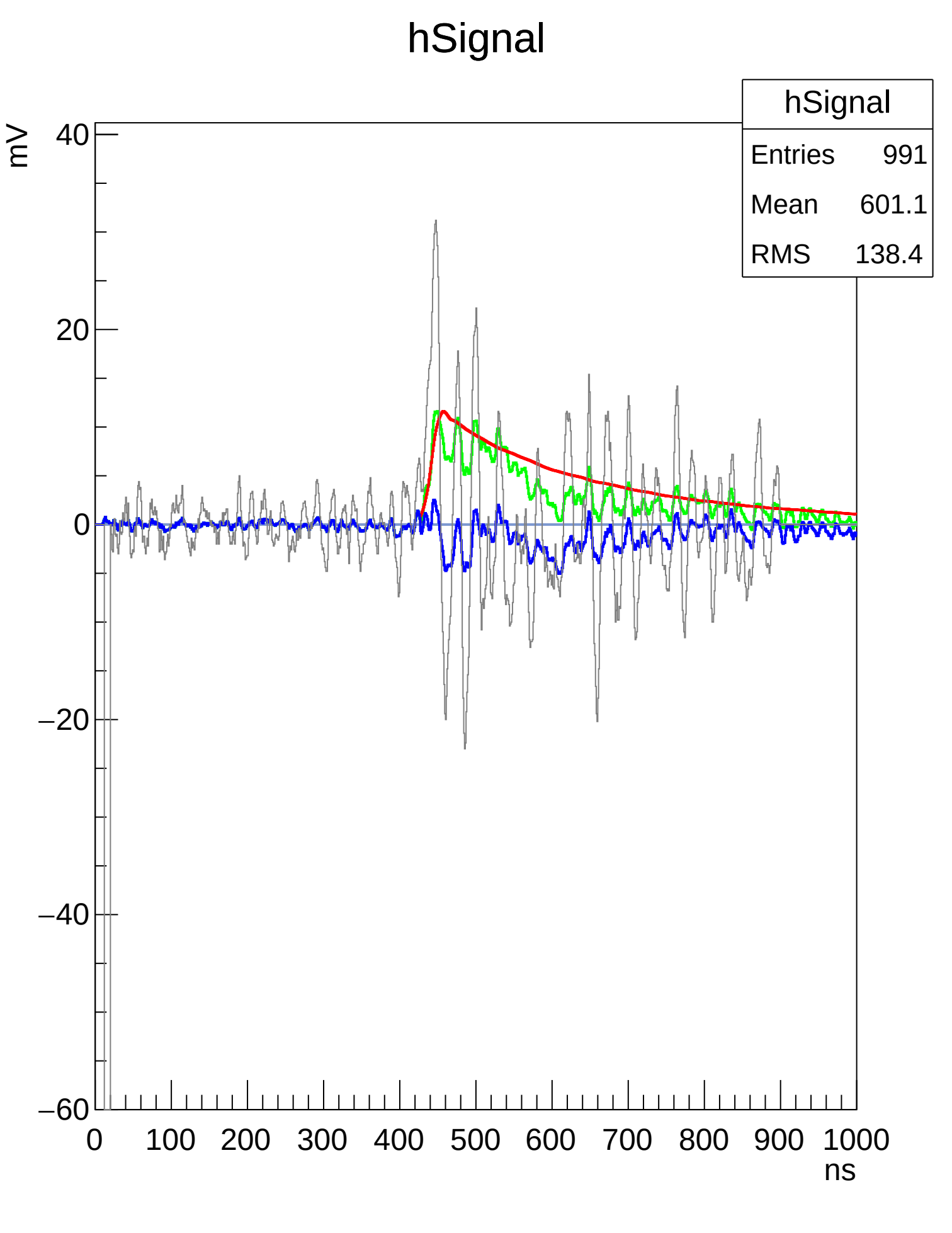
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 601.1
RMS 138.4
mV
40
20
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−20
−40
−60
0
100
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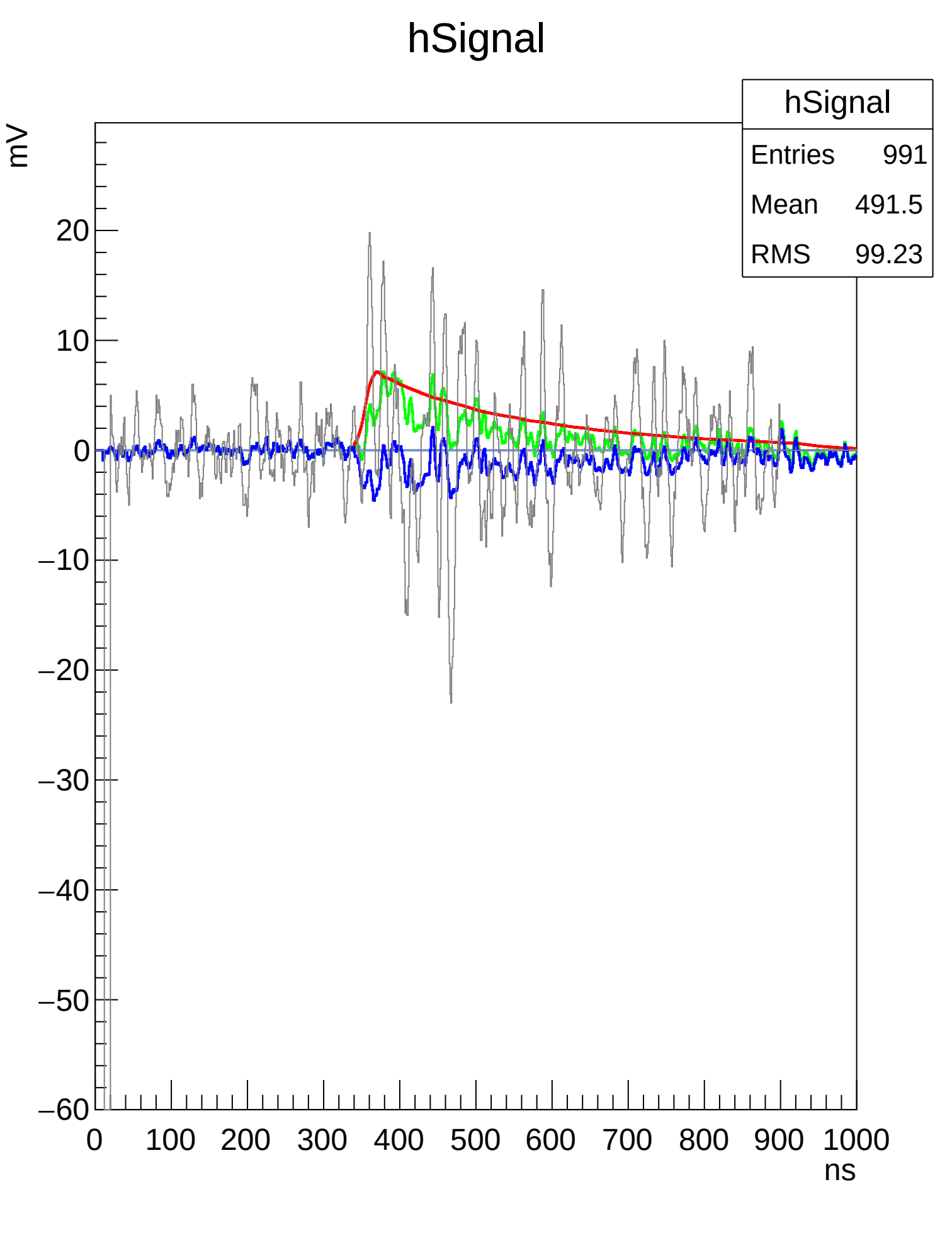
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 491.5
RMS 99.23
mV
20
10
0
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−20
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−40
−50
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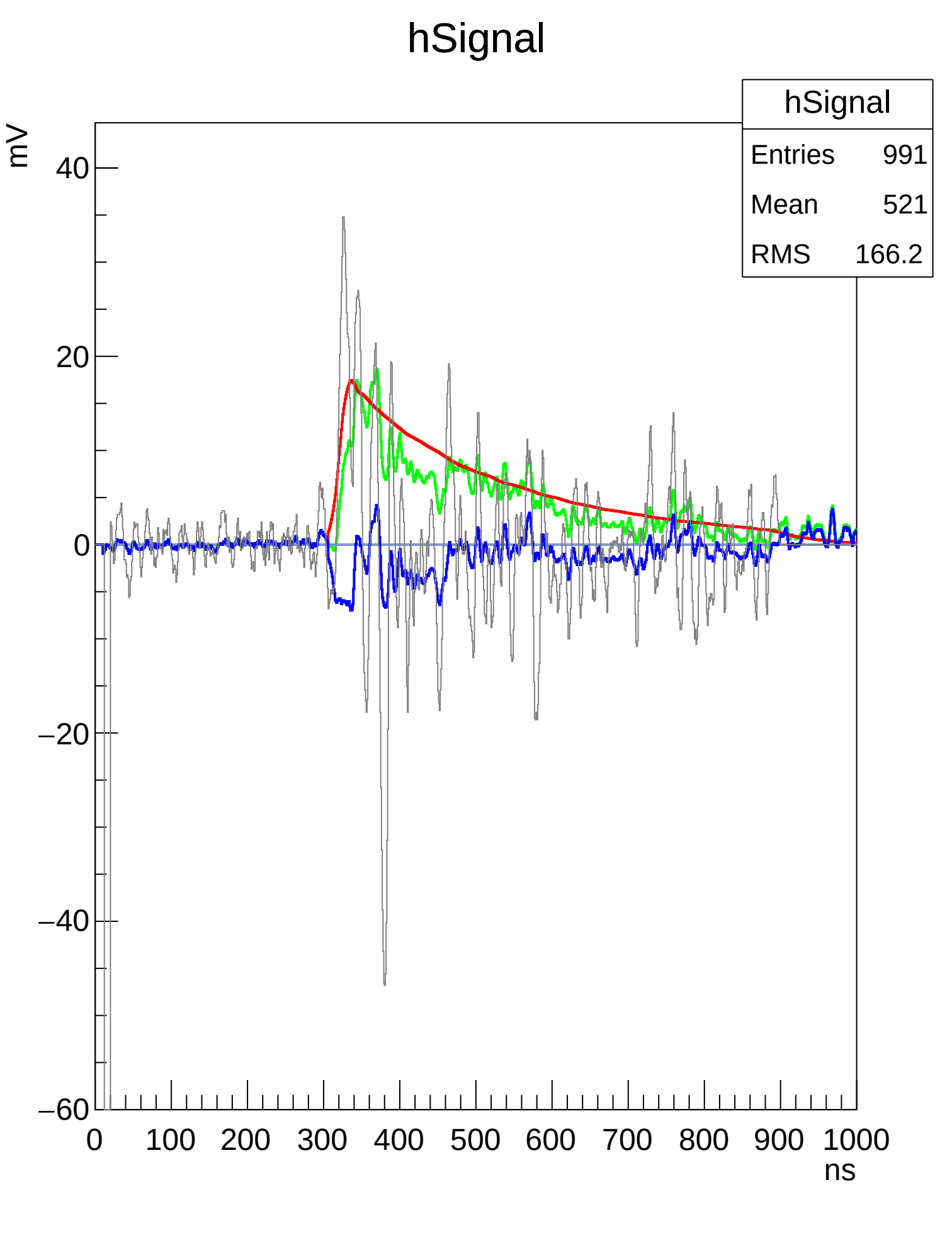
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521
RMS 166.2
mV
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−20
−40
−60
0
100
200
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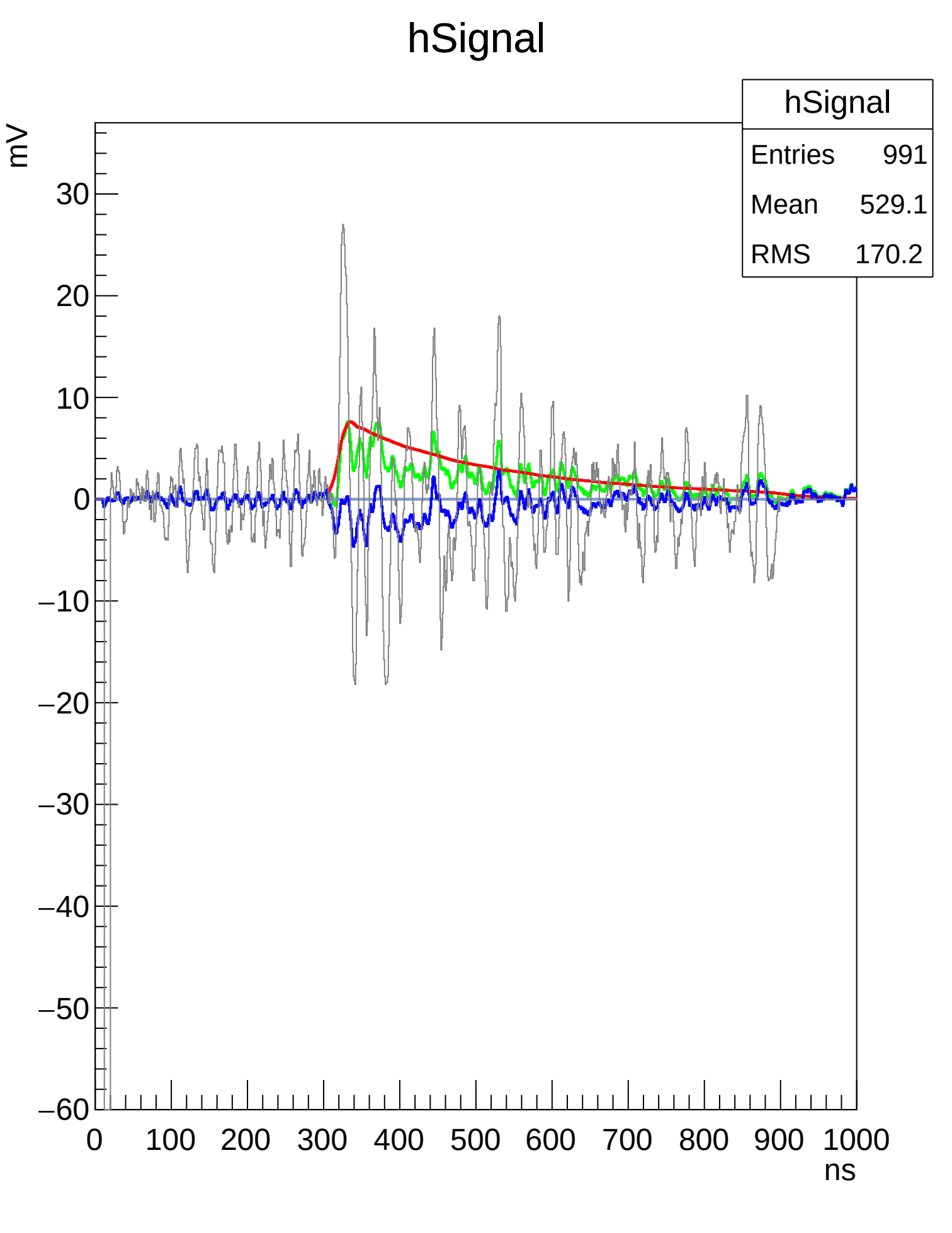
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.1
RMS 170.2
mV
30
20
10
0
−10
−20
−30
−40
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100
200
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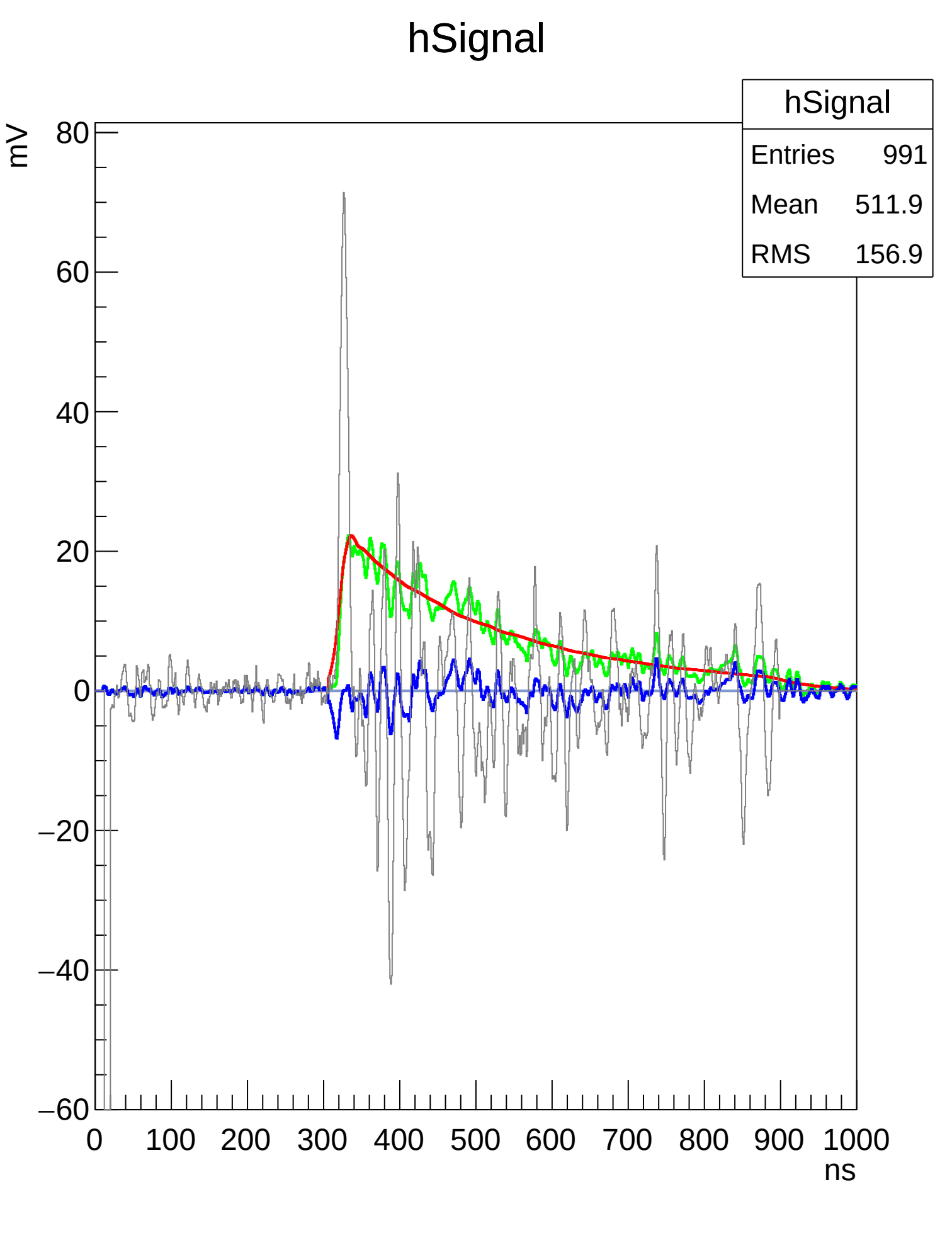
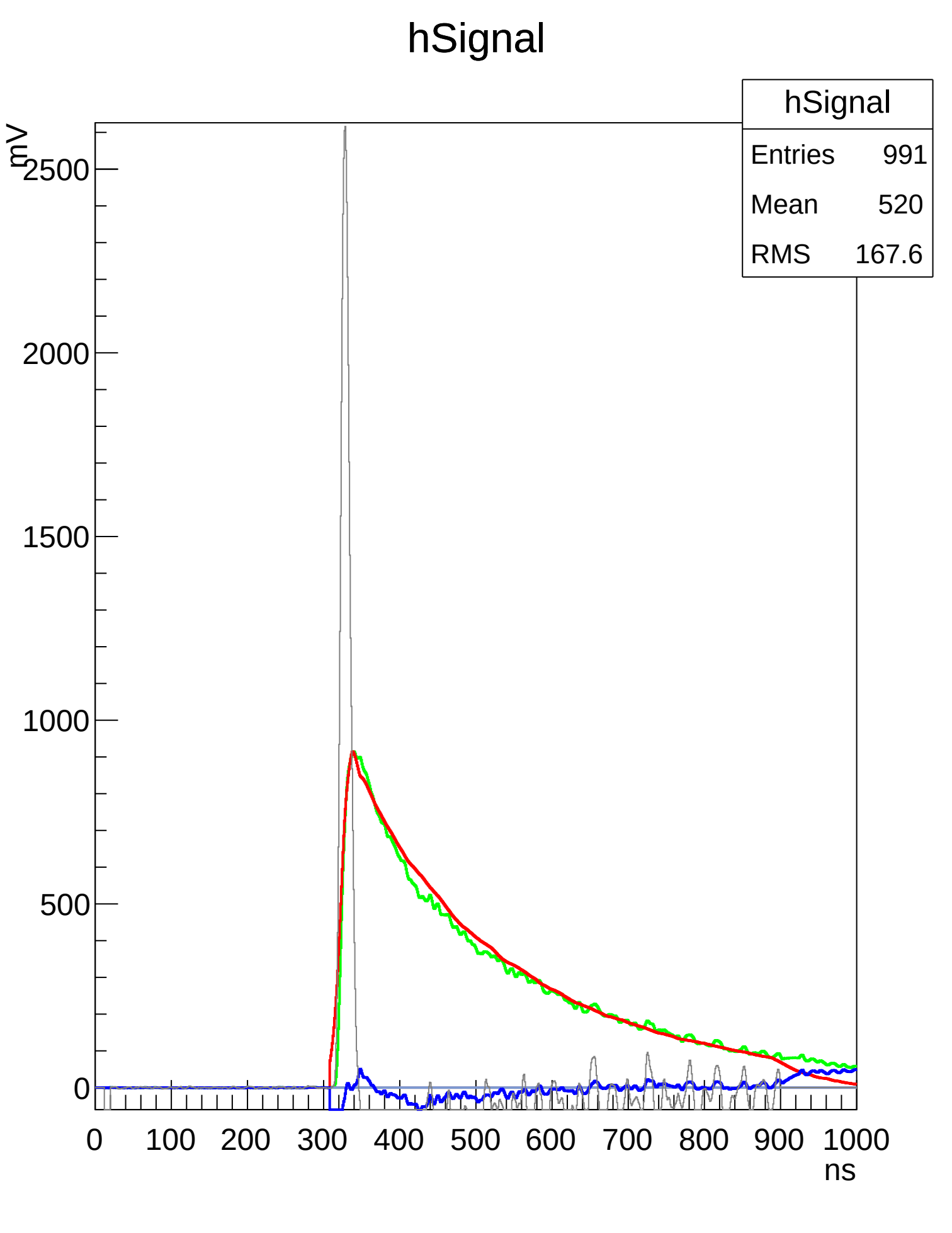
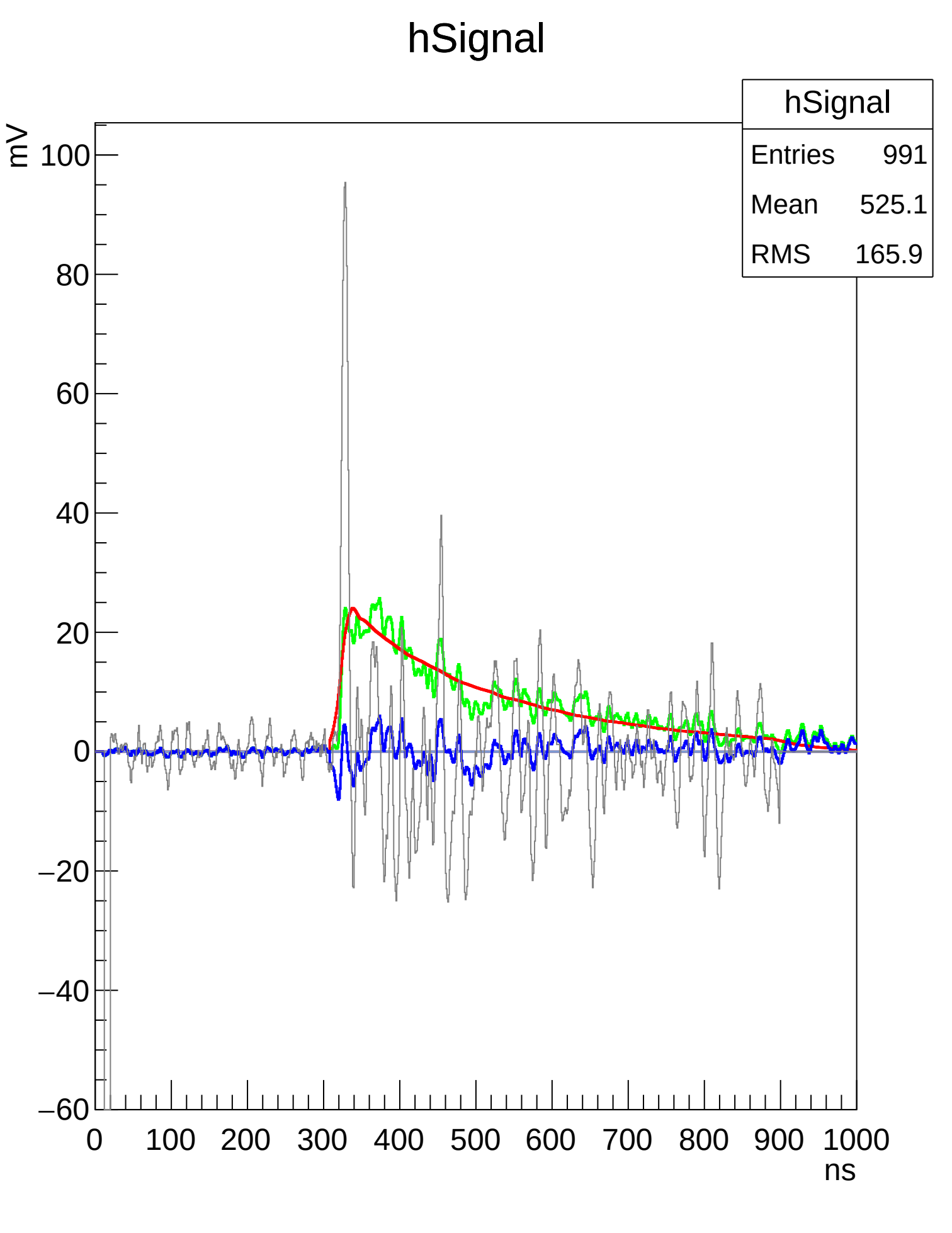
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.9
RMS 156.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520
RMS 167.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.1
RMS 165.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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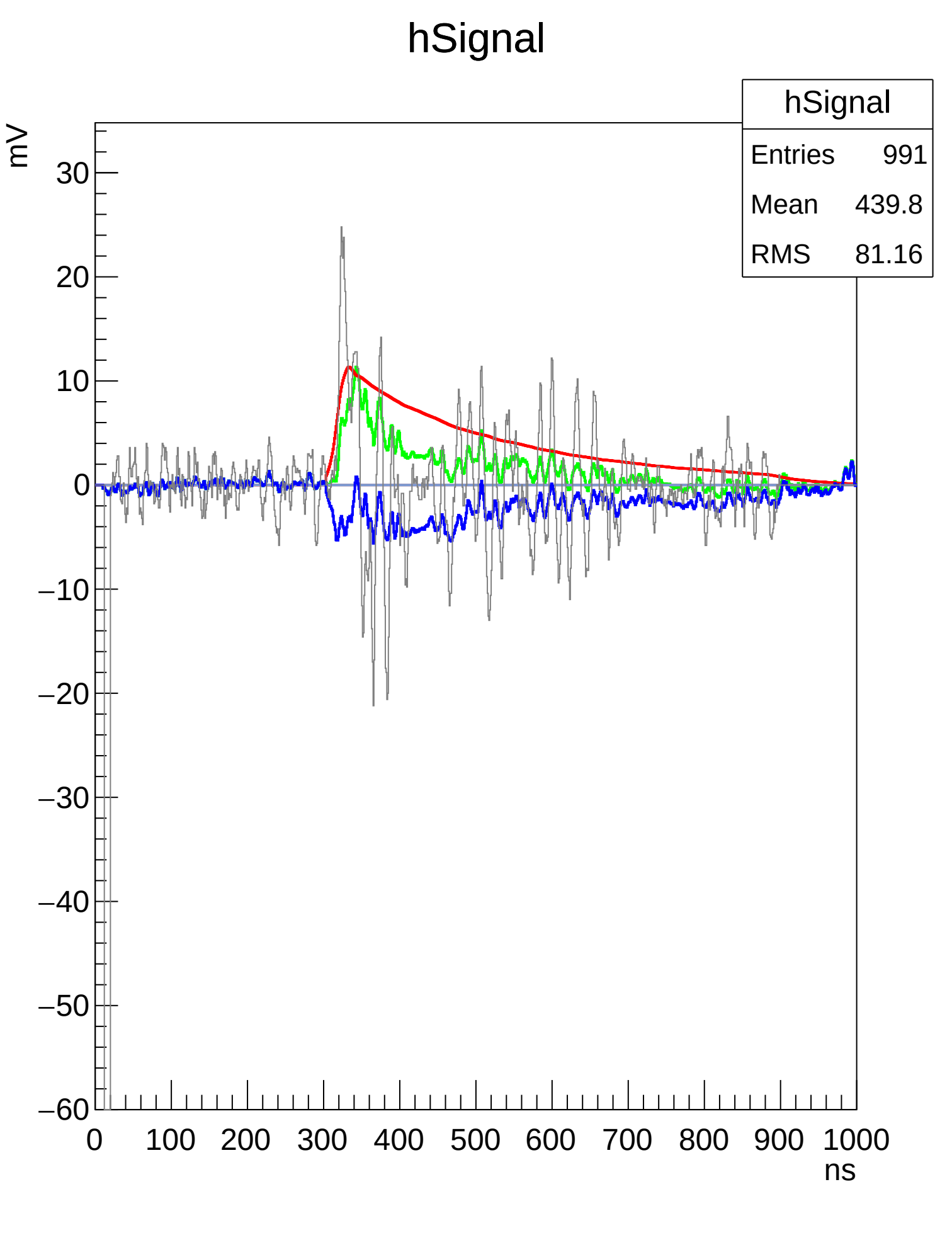
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 439.8
RMS 81.16
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
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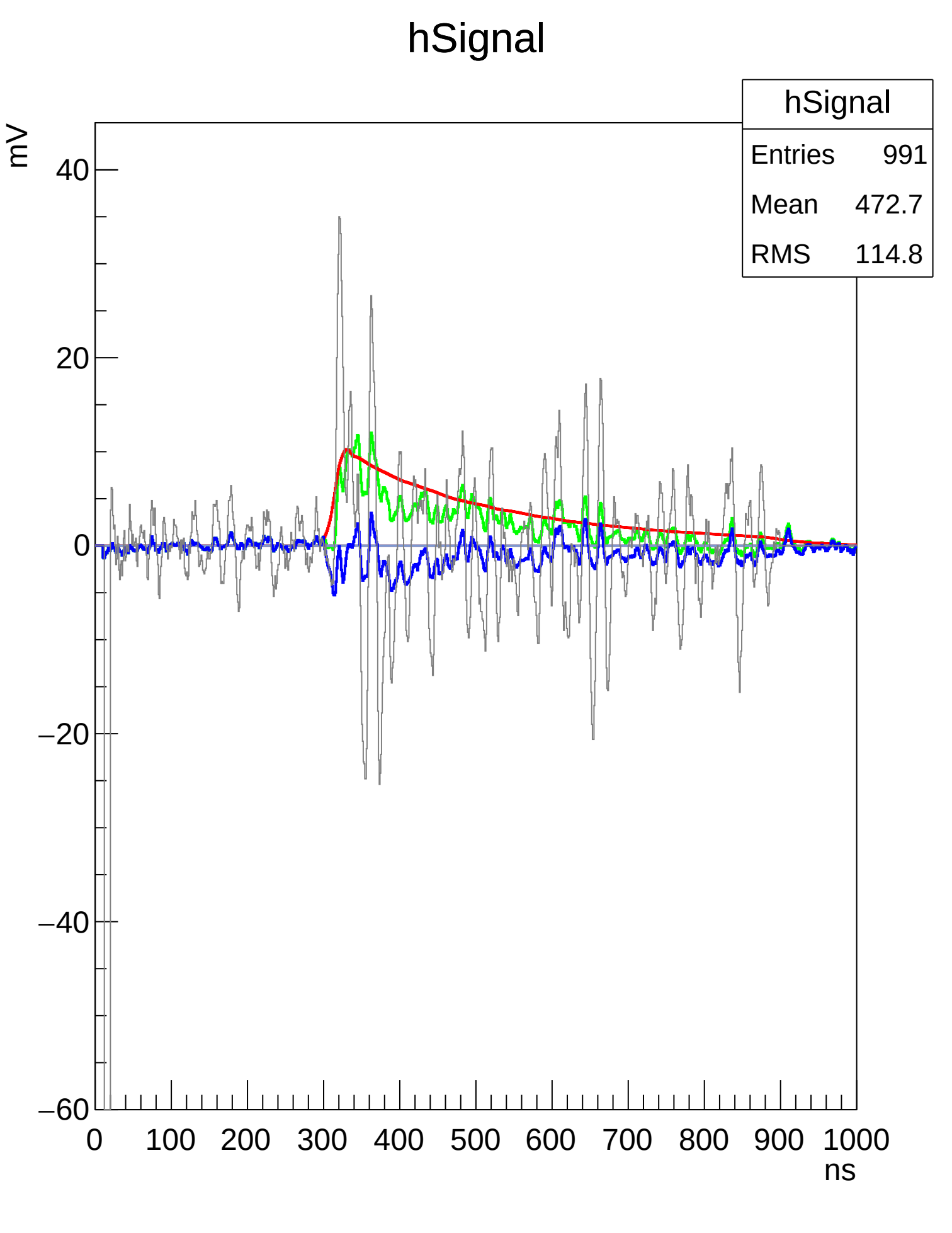
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 472.7
RMS 114.8
mV
40
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−20
−40
−60
0
100
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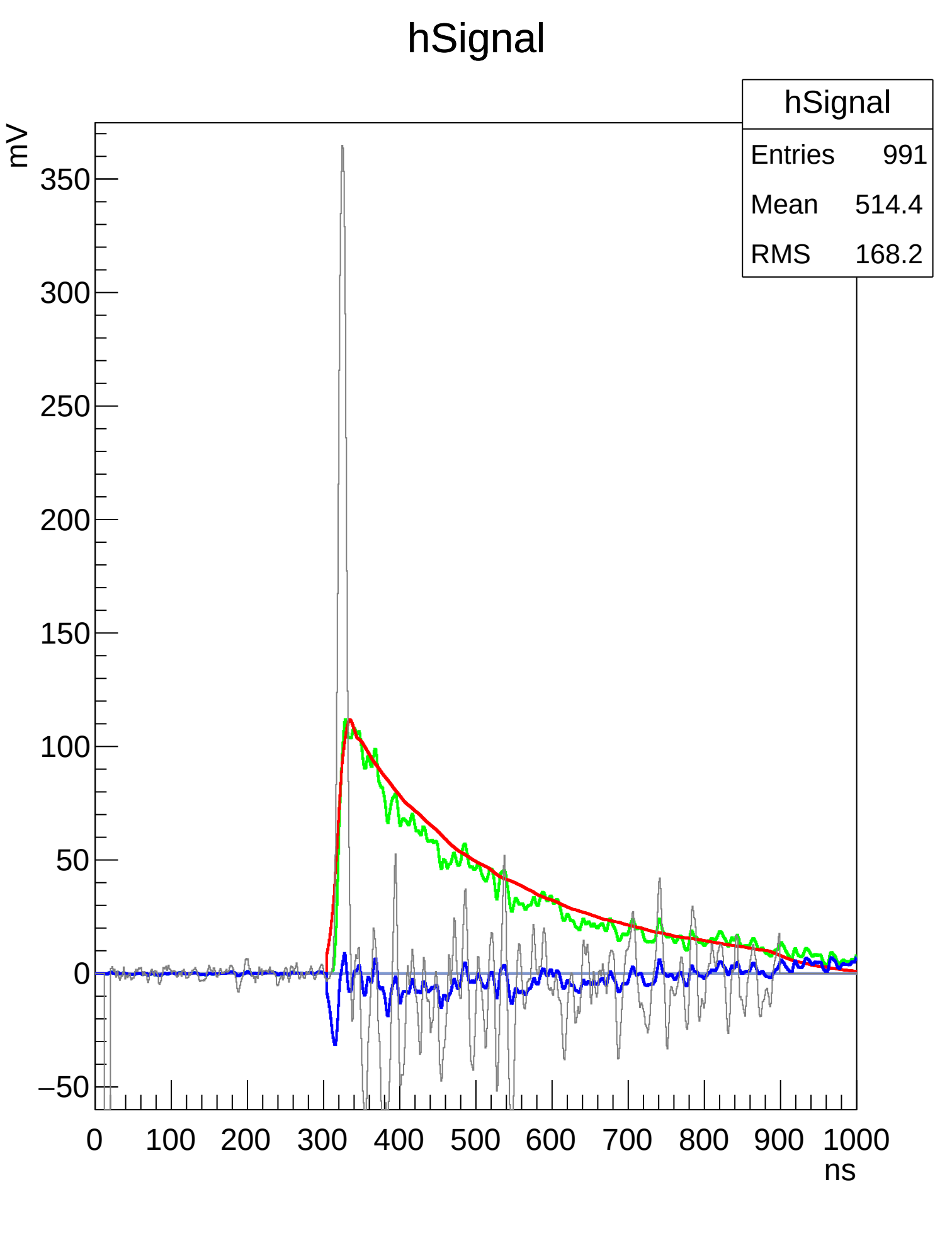
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.4
RMS 168.2
mV
350
300
250
200
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100
50
0
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0
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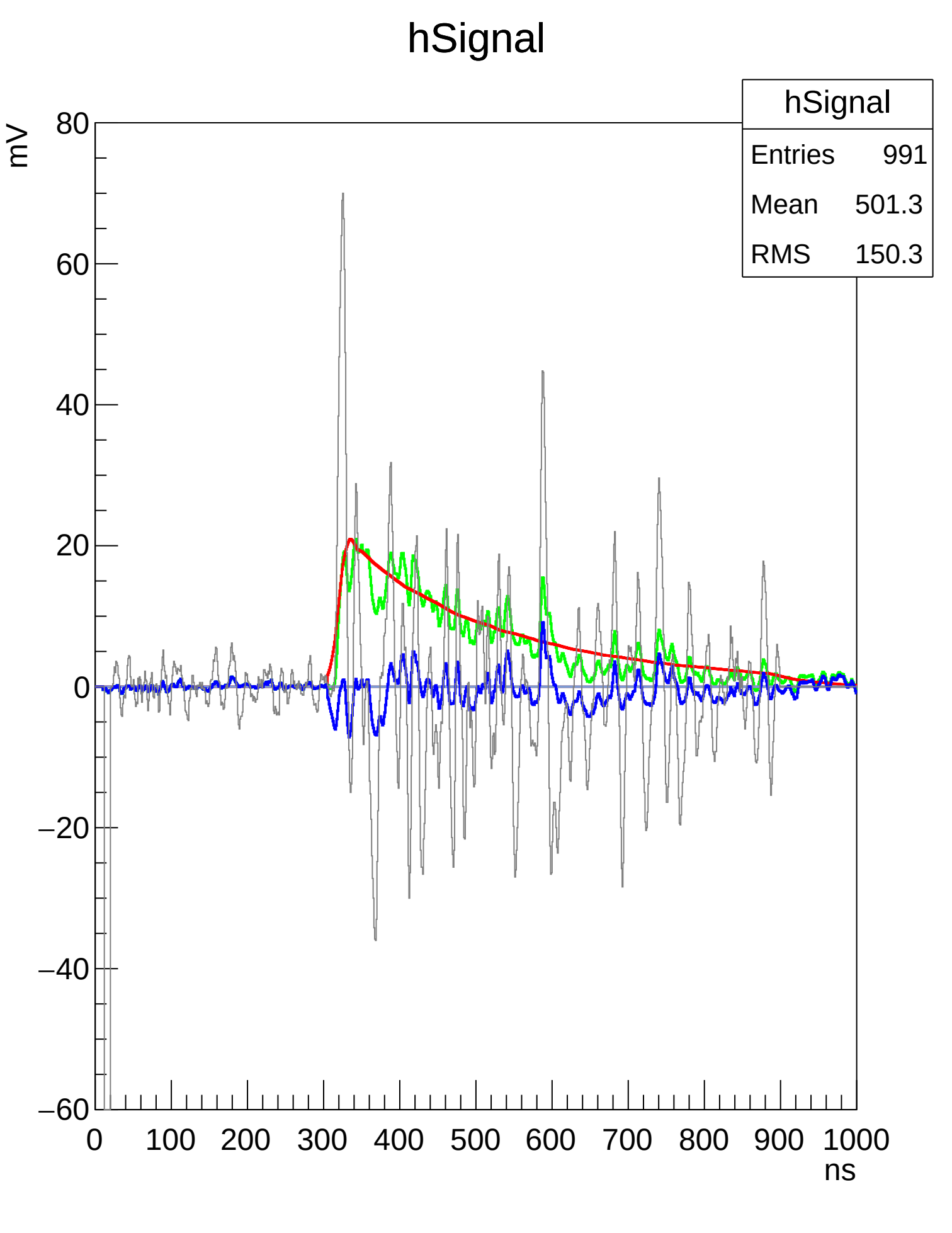
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 501.3
RMS 150.3
mV
80
60
40
20
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−20
−40
−60
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600
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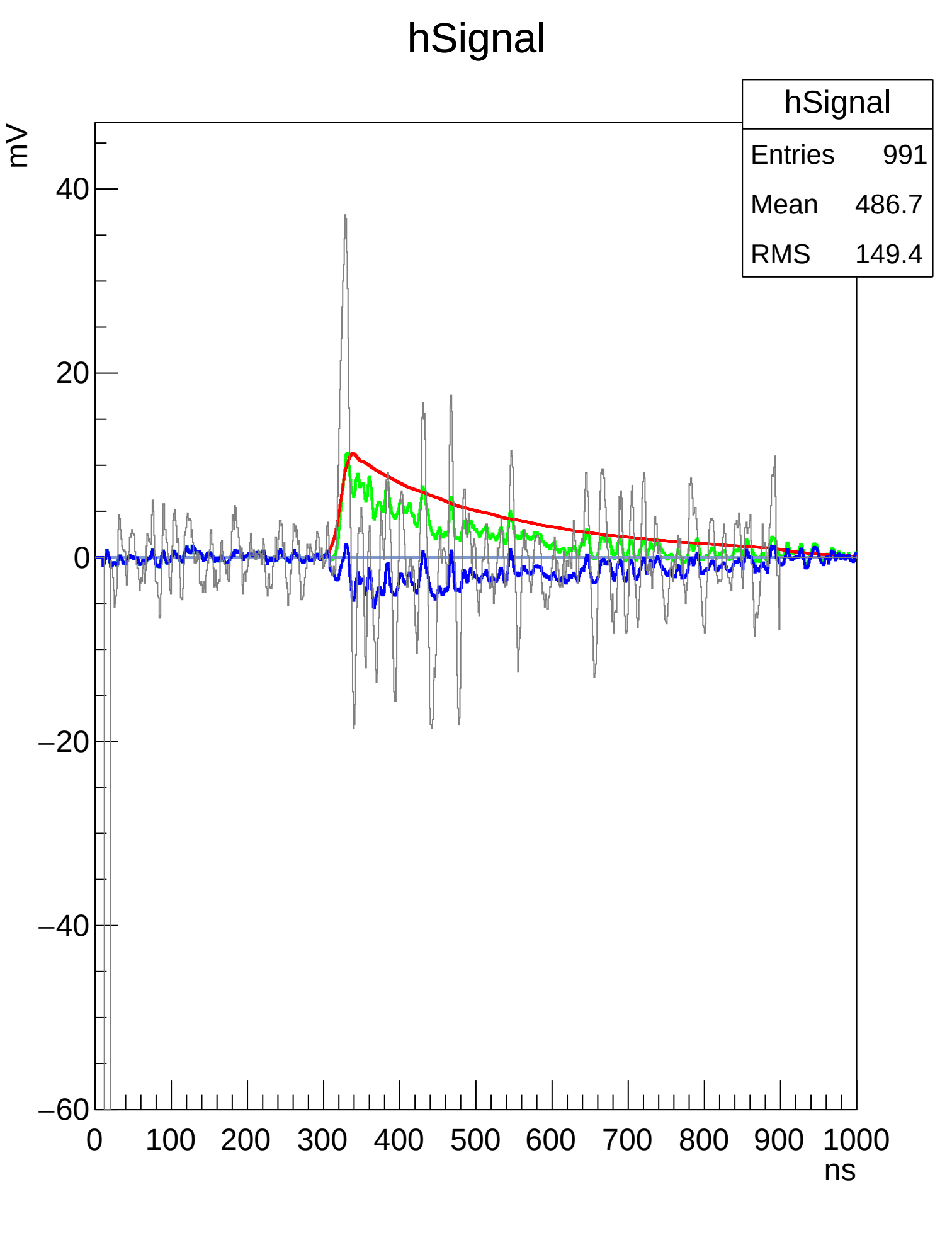
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.7
RMS 149.4
mV
40
20
0
−20
−40
−60
0
100
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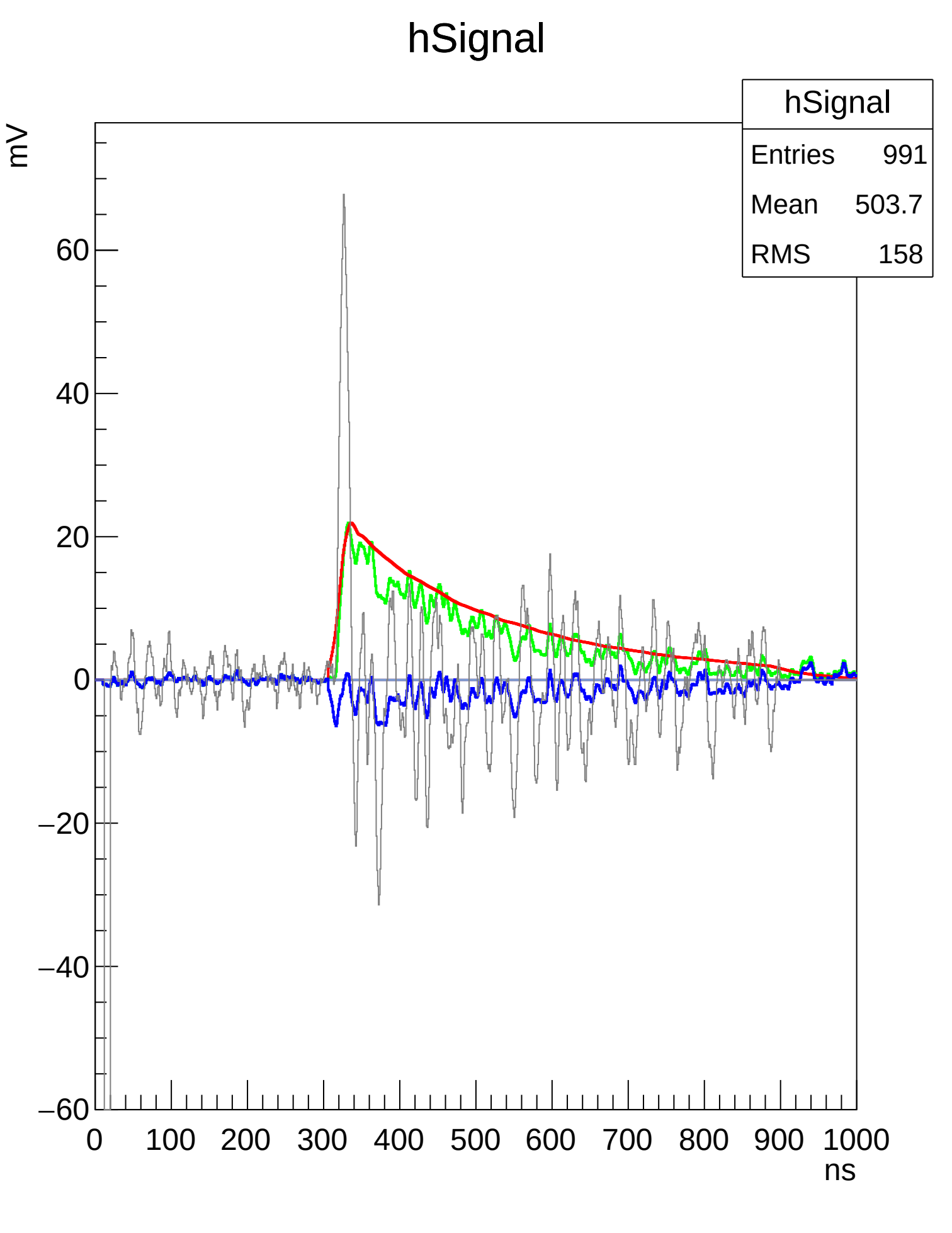
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 503.7
RMS 158
mV
60
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−20
−40
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0
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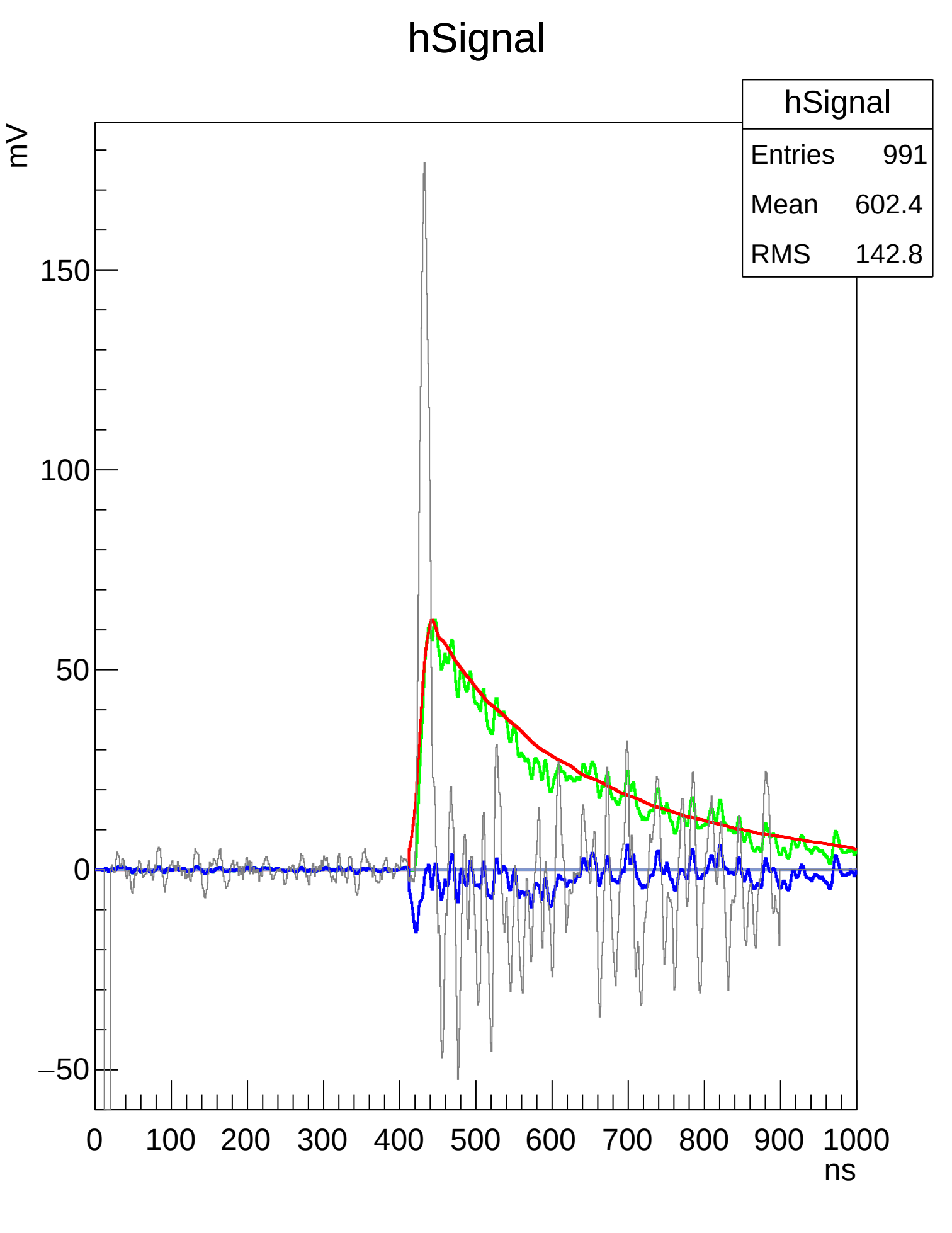
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.4
RMS 142.8
mV
150
100
50
0
−50
0
100
200
300
400
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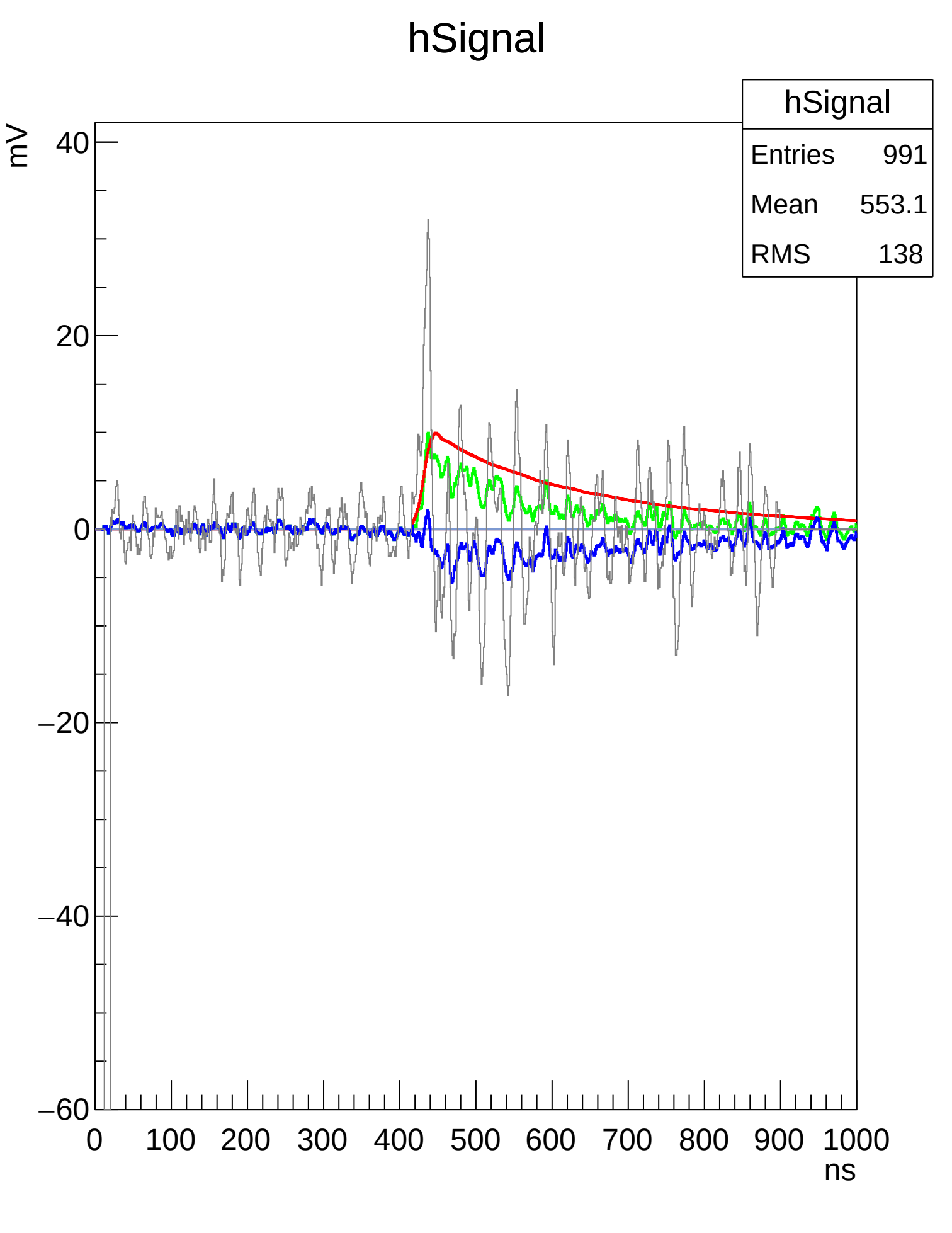
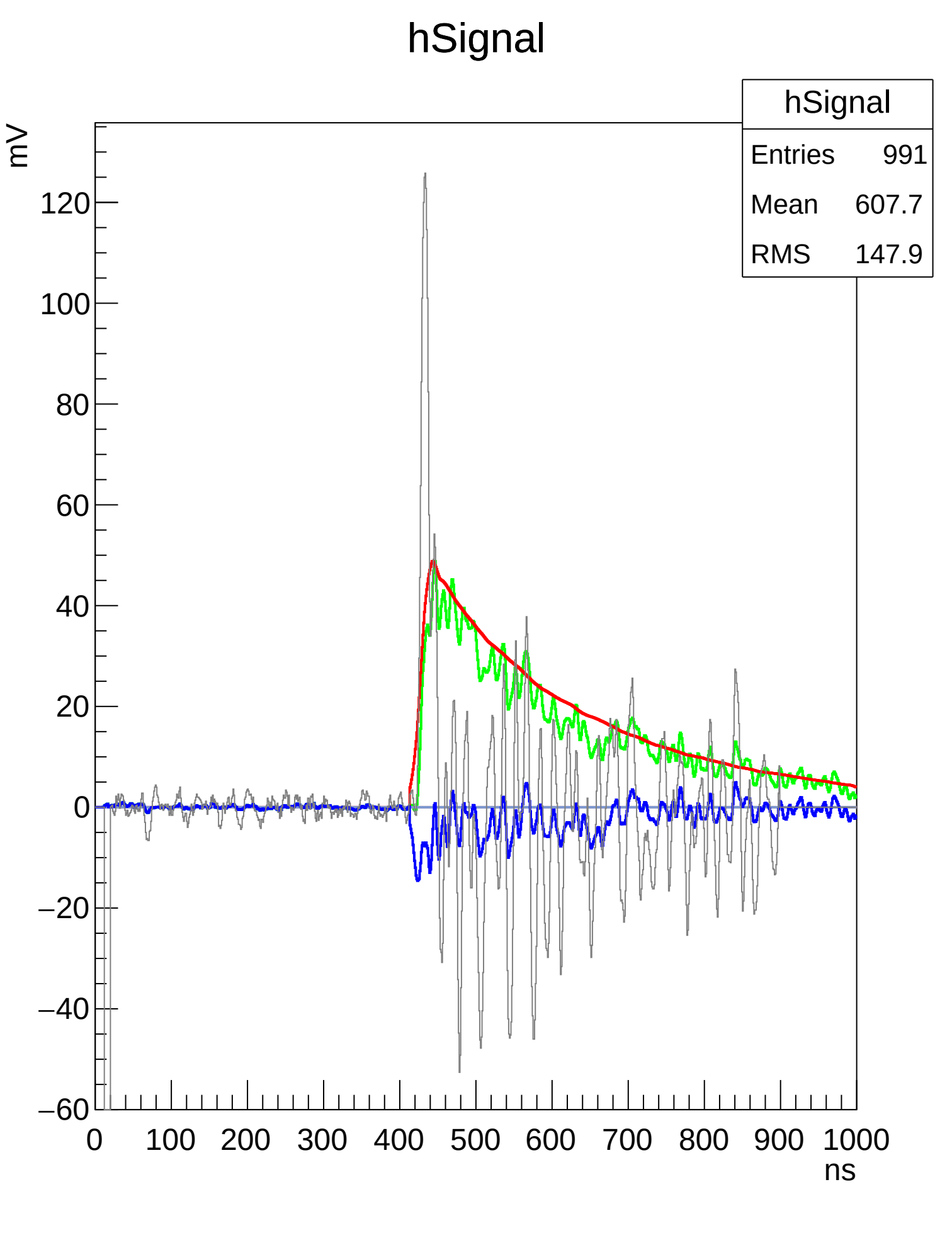
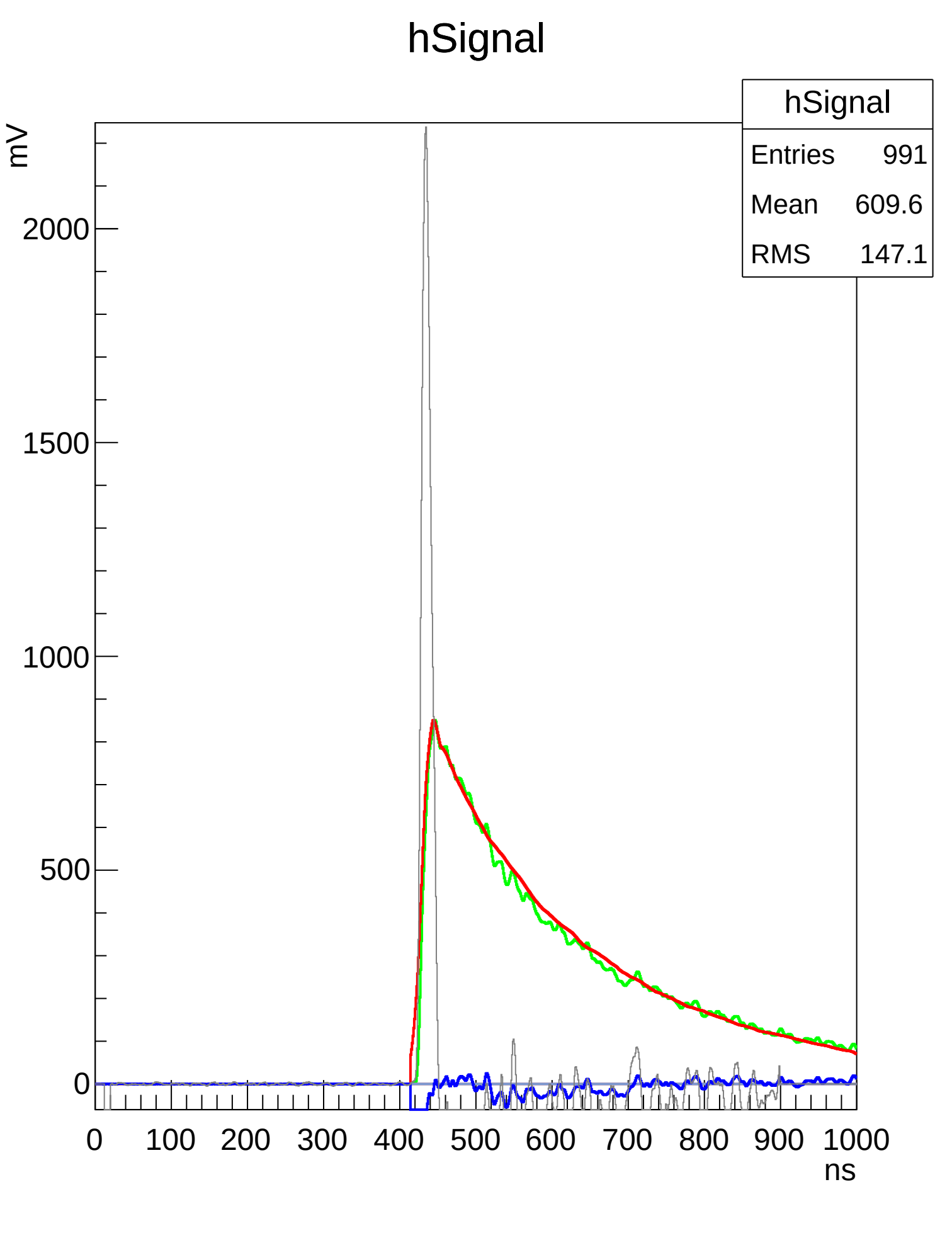
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 553.1
RMS 138
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.7
RMS 147.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.6
RMS 147.1
mV
2000
1500
1000
500
0
0
100
200
300
400
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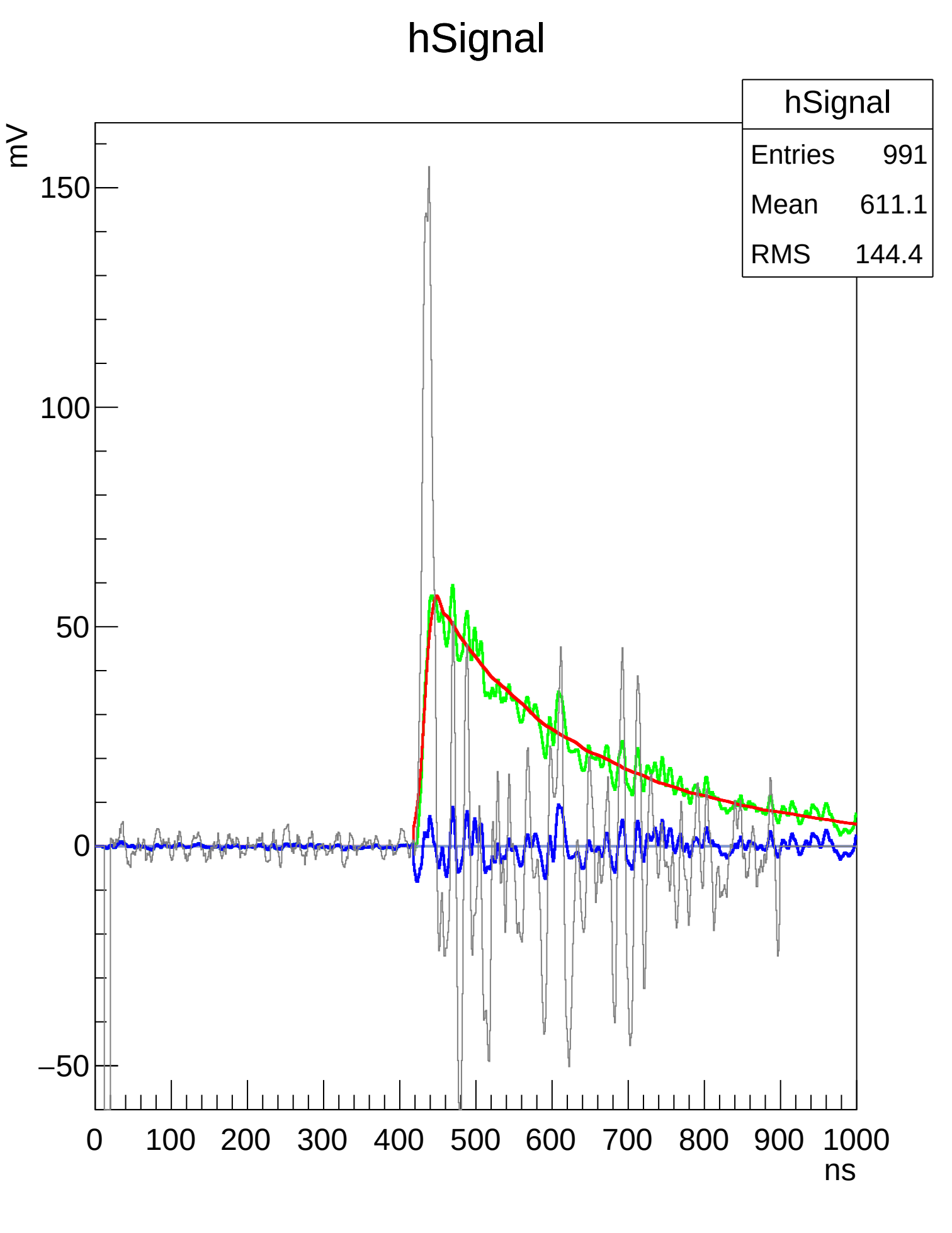
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.1
RMS 144.4
mV
150
100
50
0
−50
0
100
200
300
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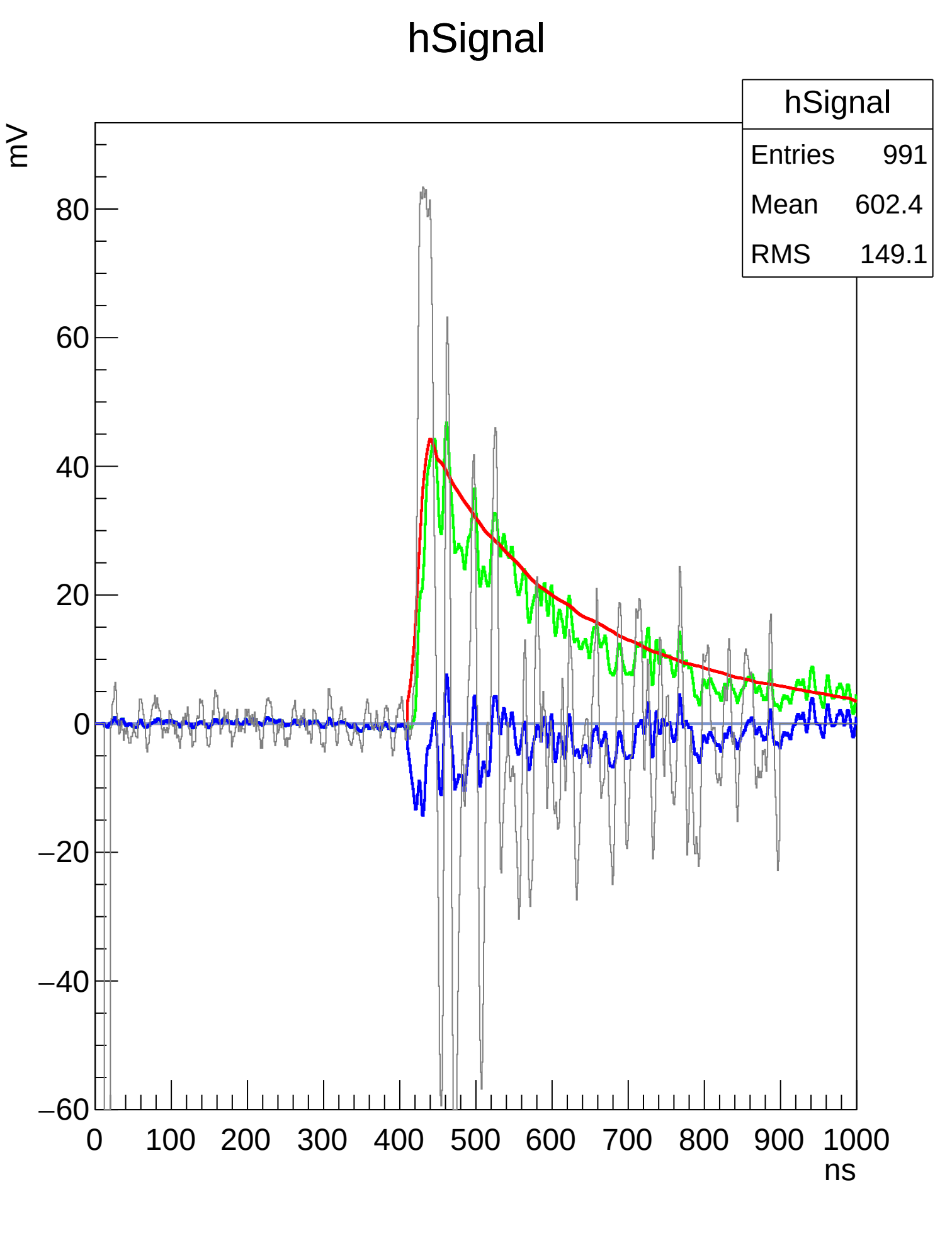
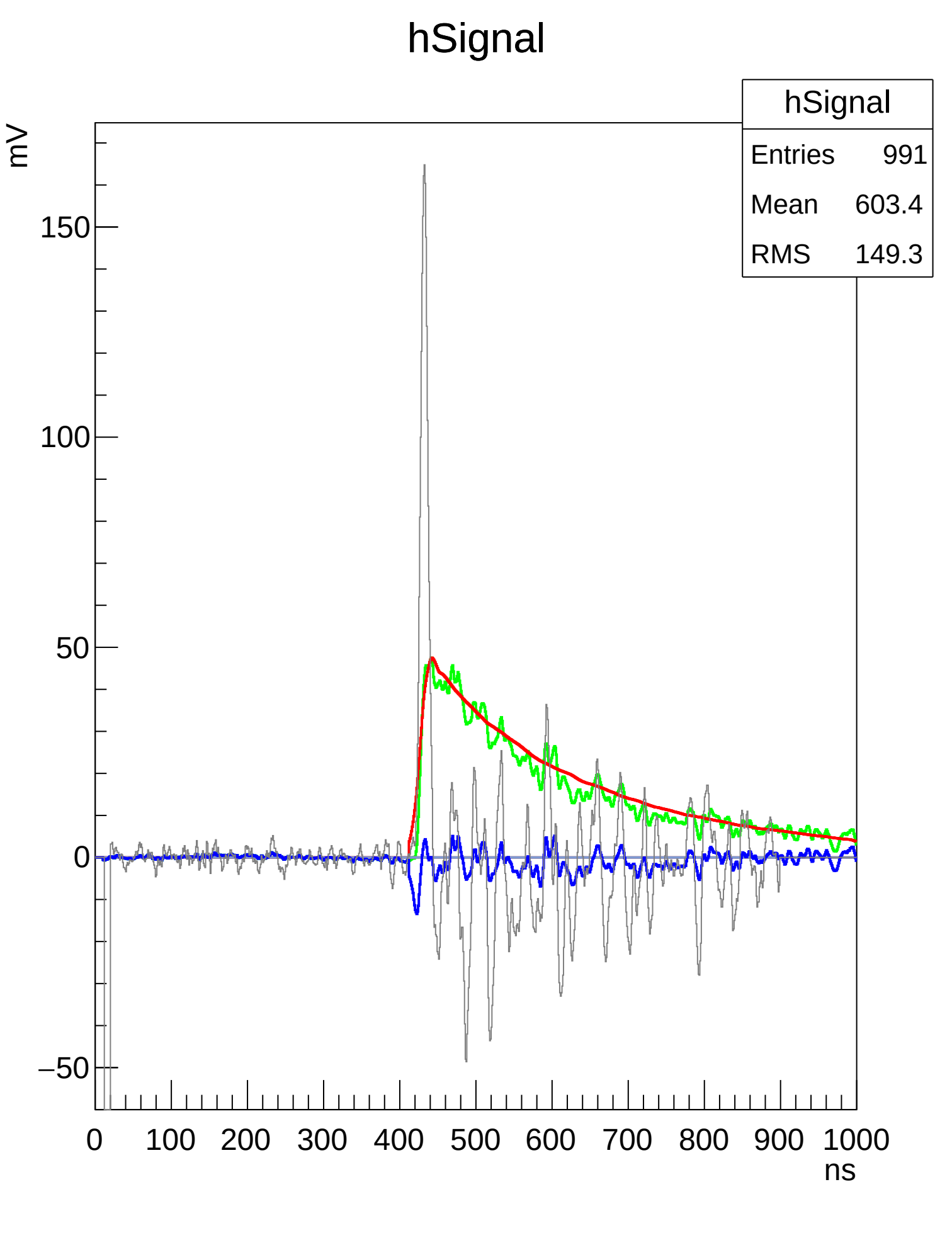
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.4
RMS 149.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 603.4
RMS 149.3
mV
150
100
50
0
−50
0
100
200
300
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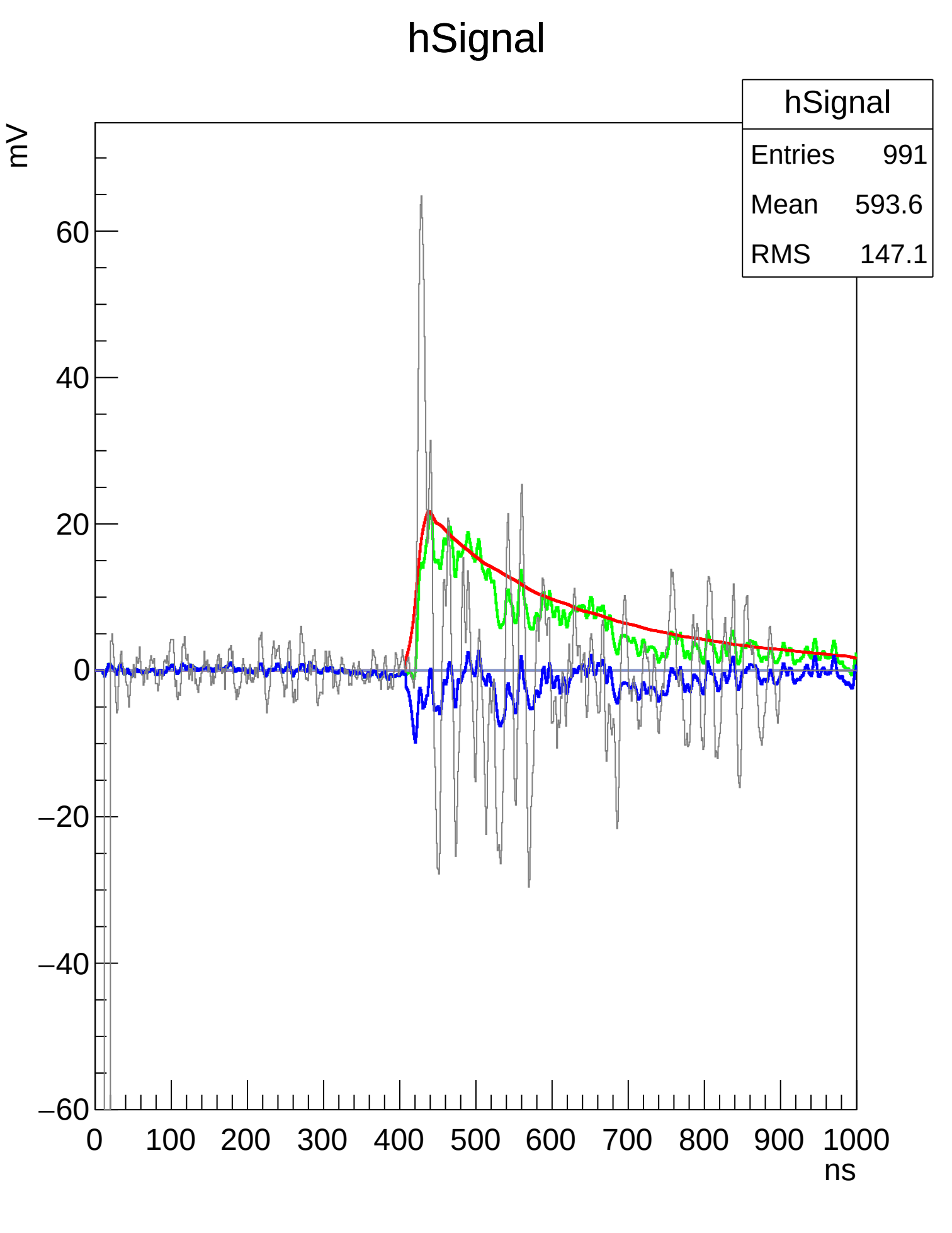
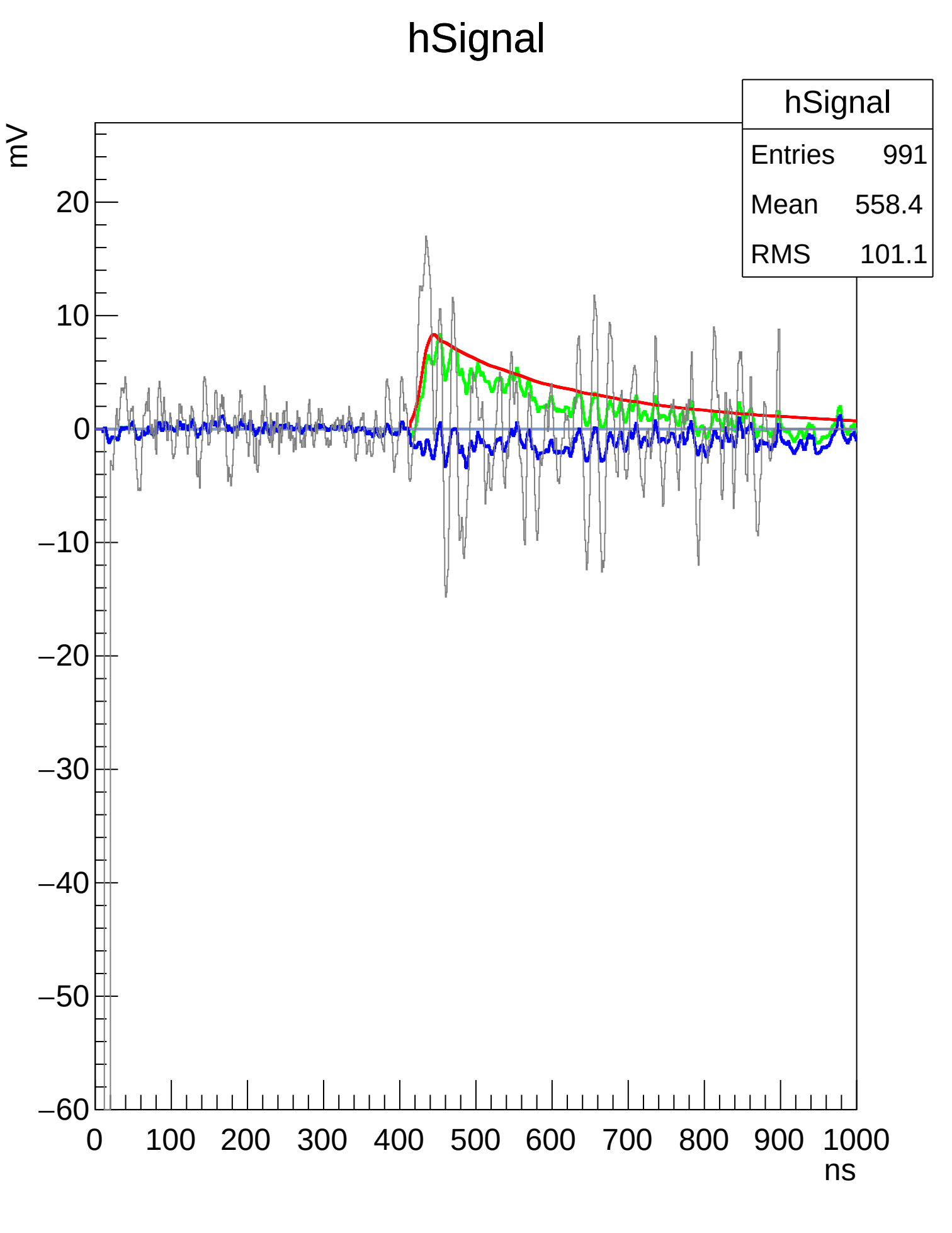
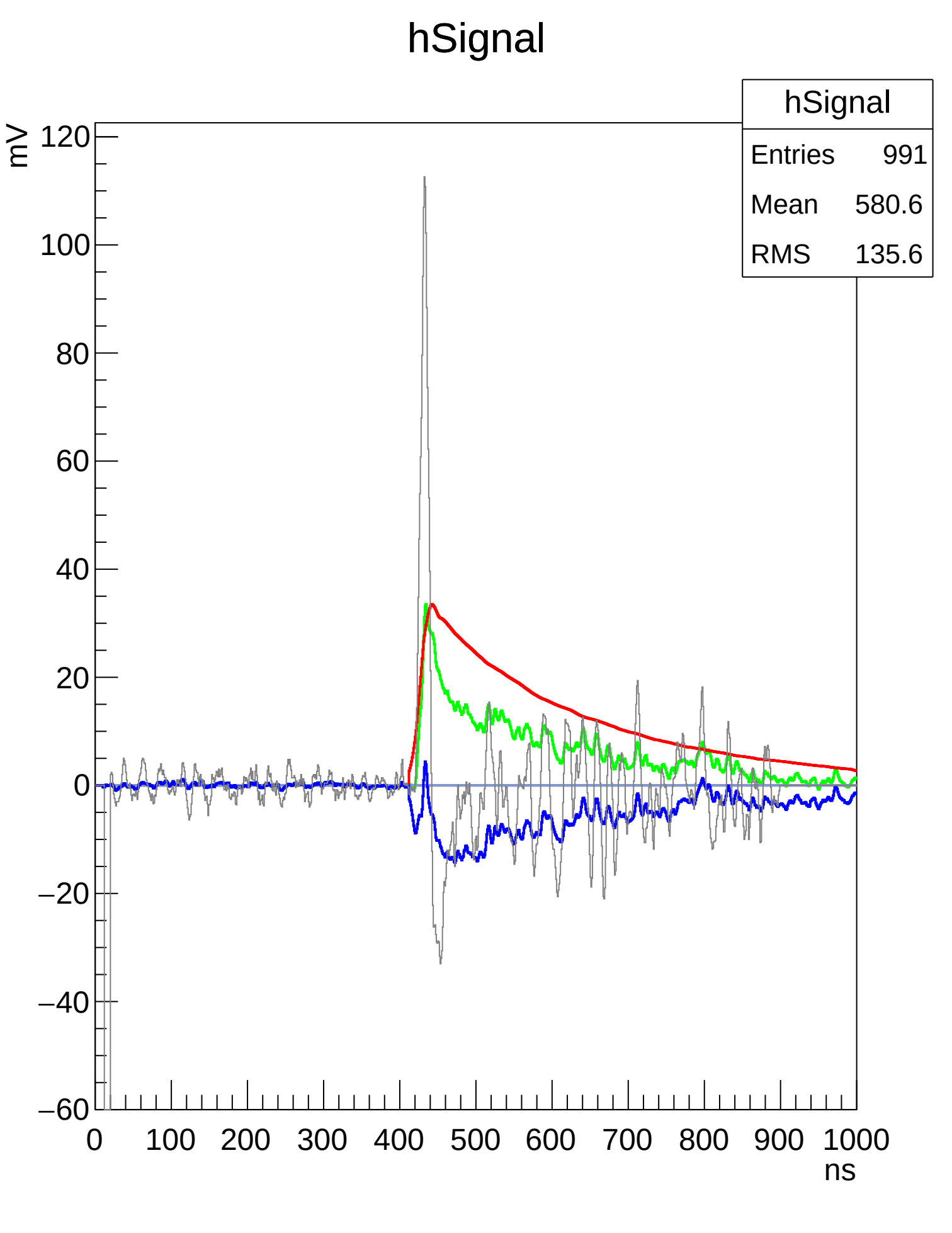
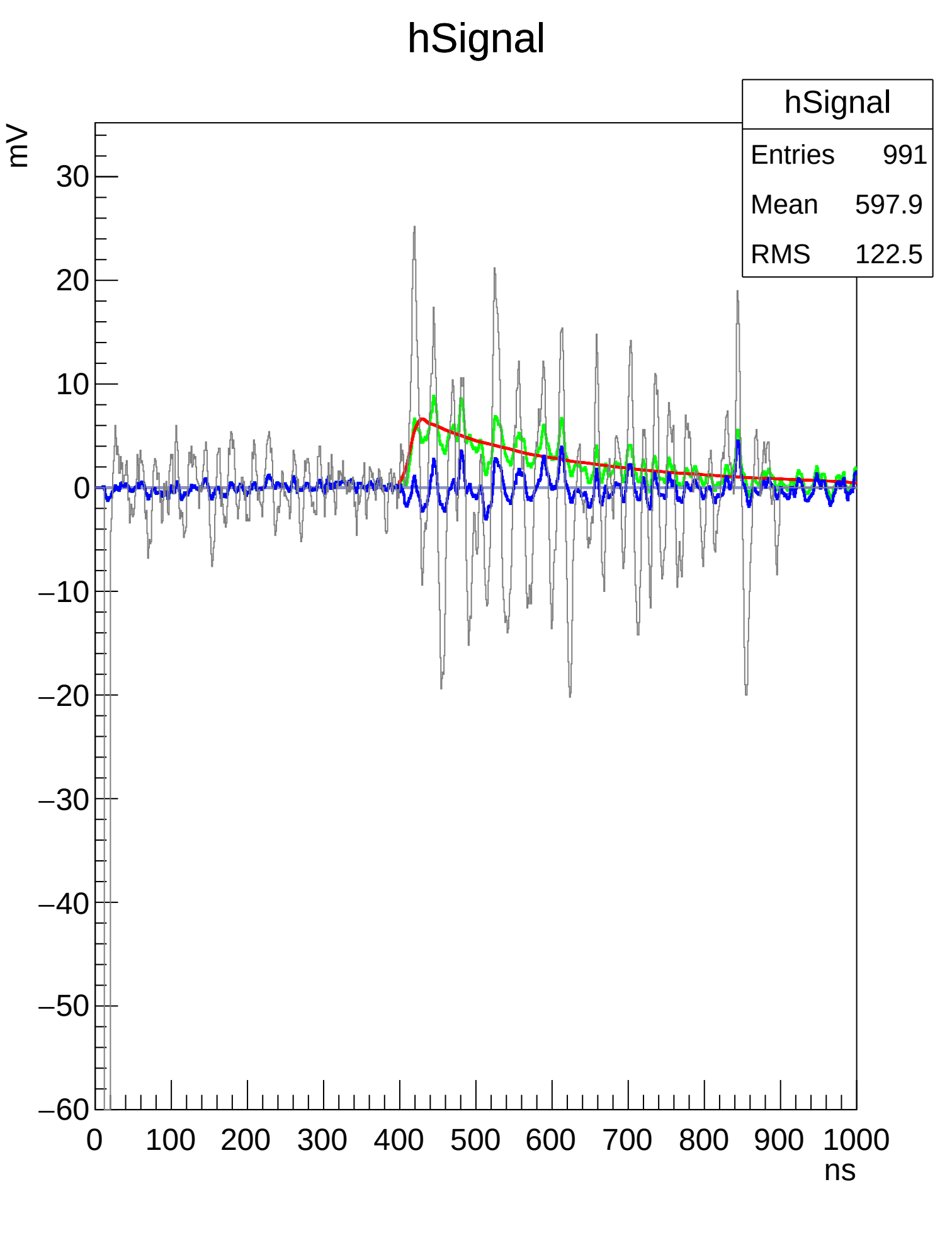
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 147.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 558.4
RMS 101.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.6
RMS 135.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.9
RMS 122.5
mV
30
20
10
0
−10
−20
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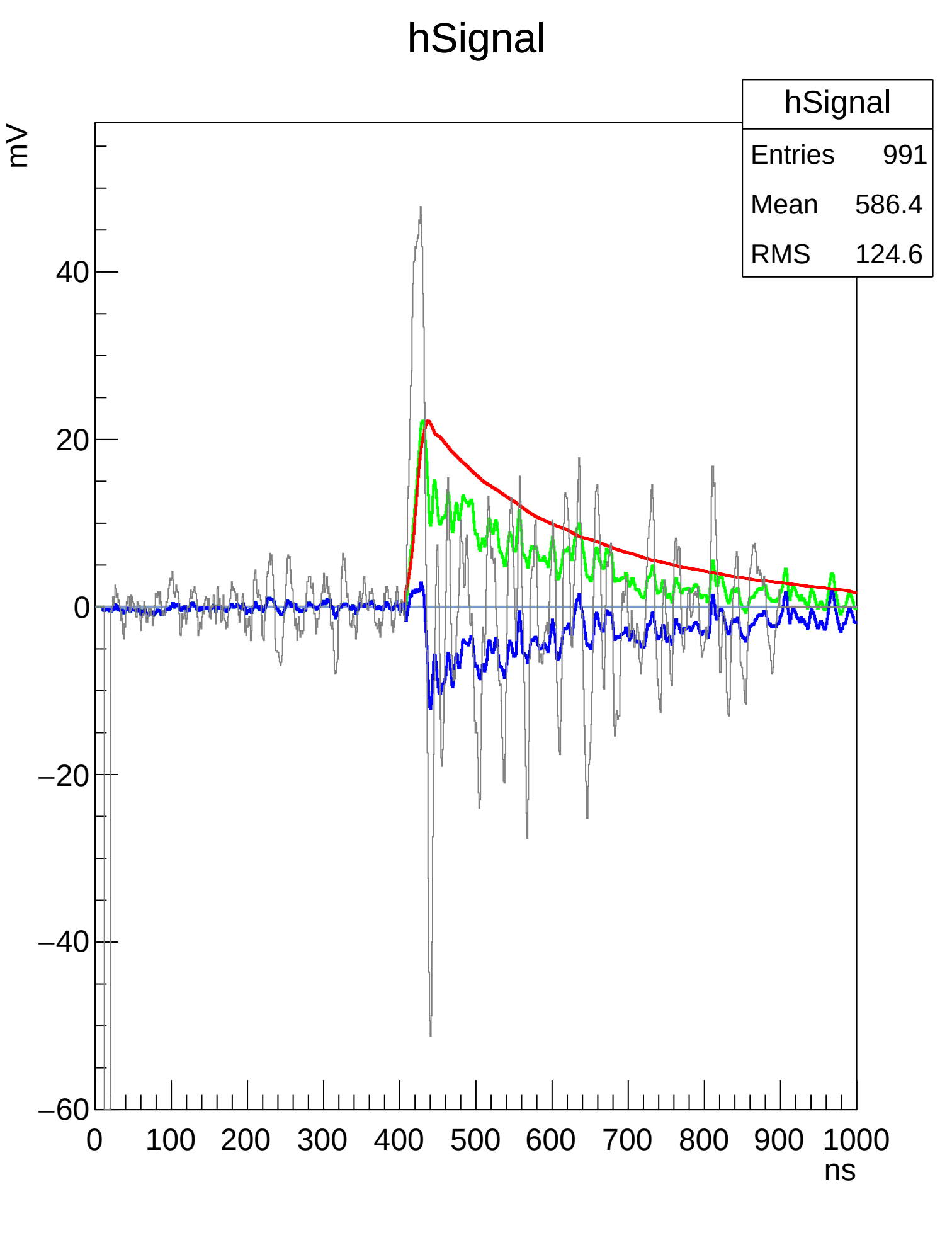
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 586.4
RMS 124.6
mV
40
20
0
−20
−40
−60
0
100
200
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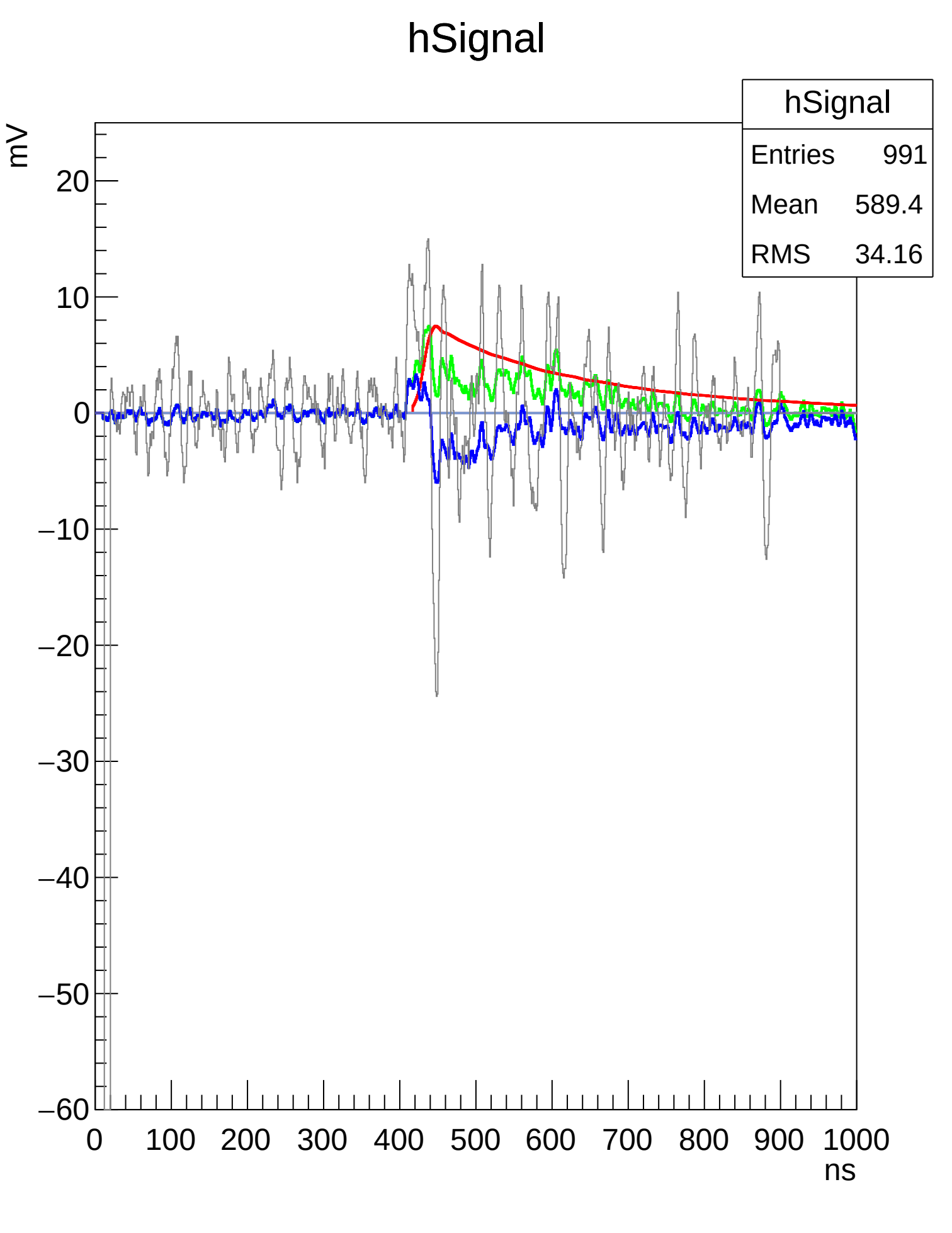
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.4
RMS 34.16
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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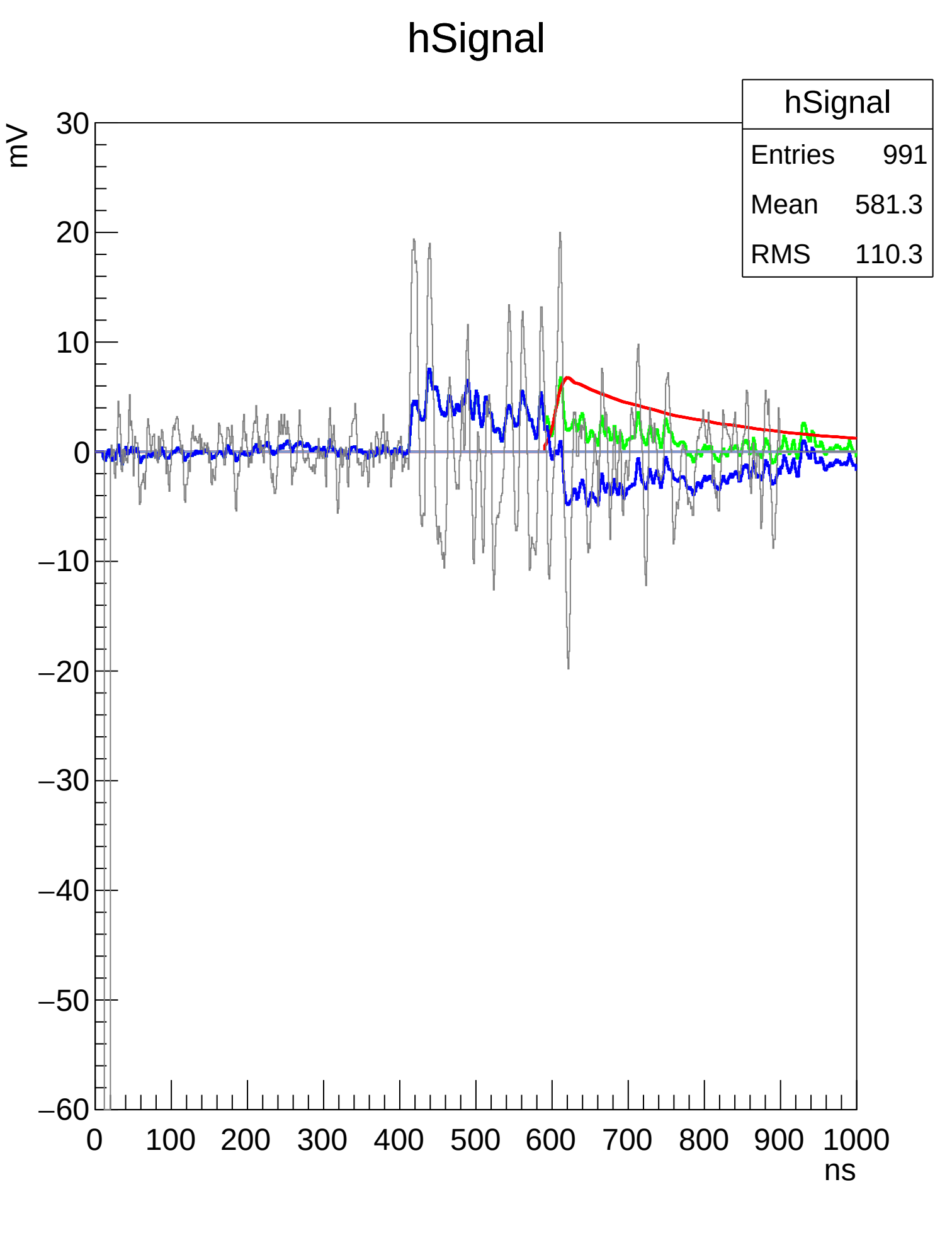
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 581.3
RMS 110.3
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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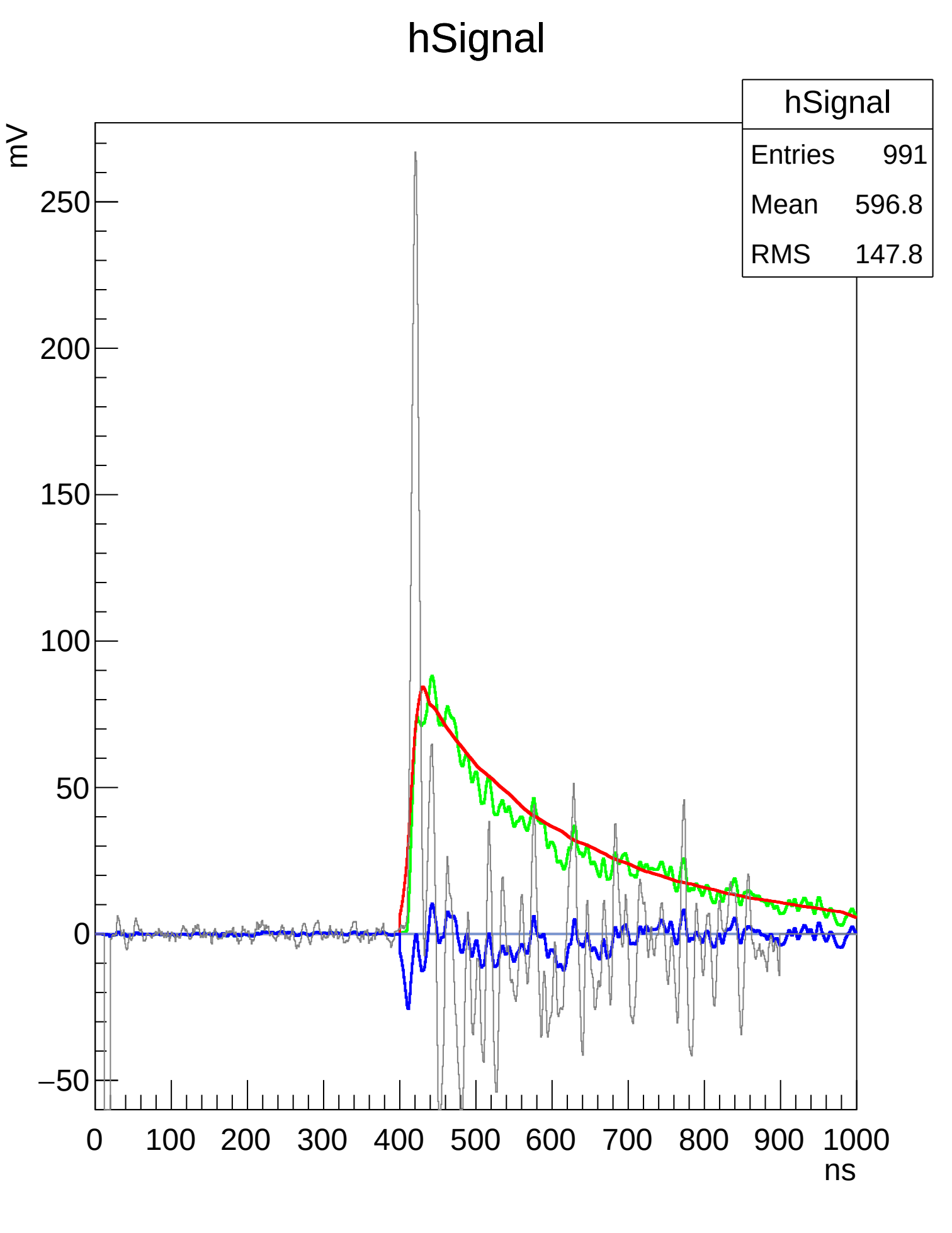
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.8
RMS 147.8
mV
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200
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100
50
0
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0
100
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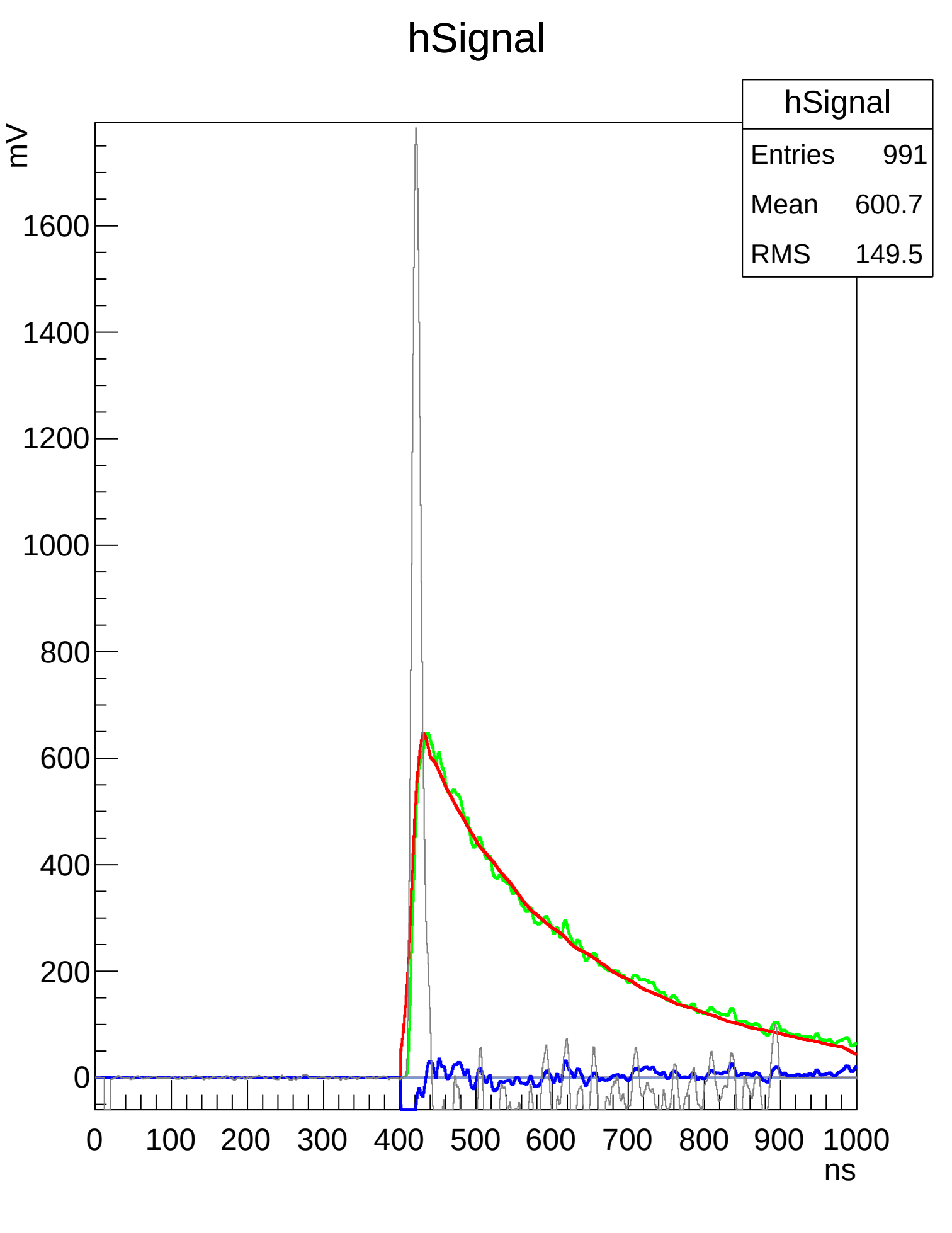
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.7
RMS 149.5
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
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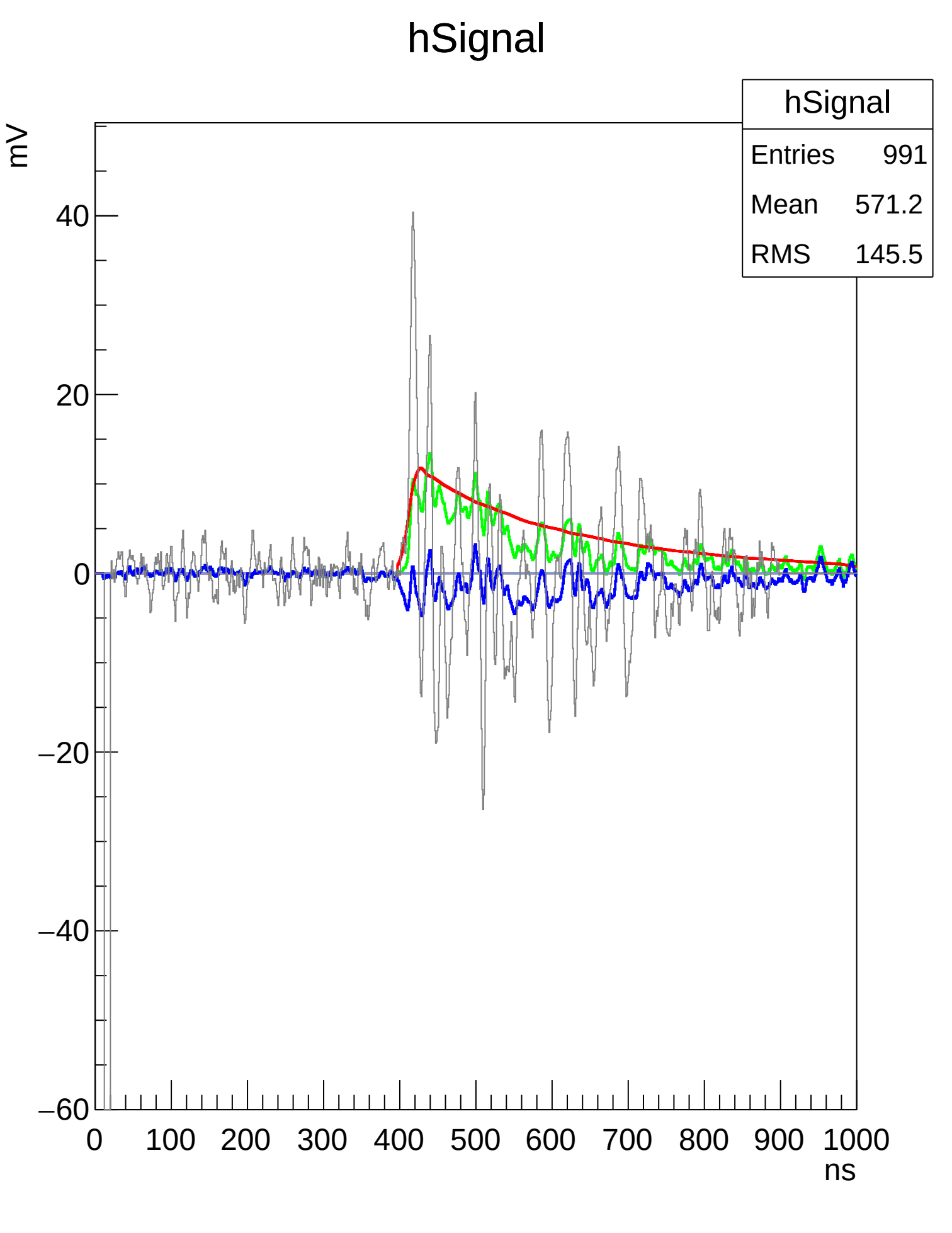
hSignal
hSignal
Entries 991
Mean 571.2
RMS 145.5
mV
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−20
−40
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0
100
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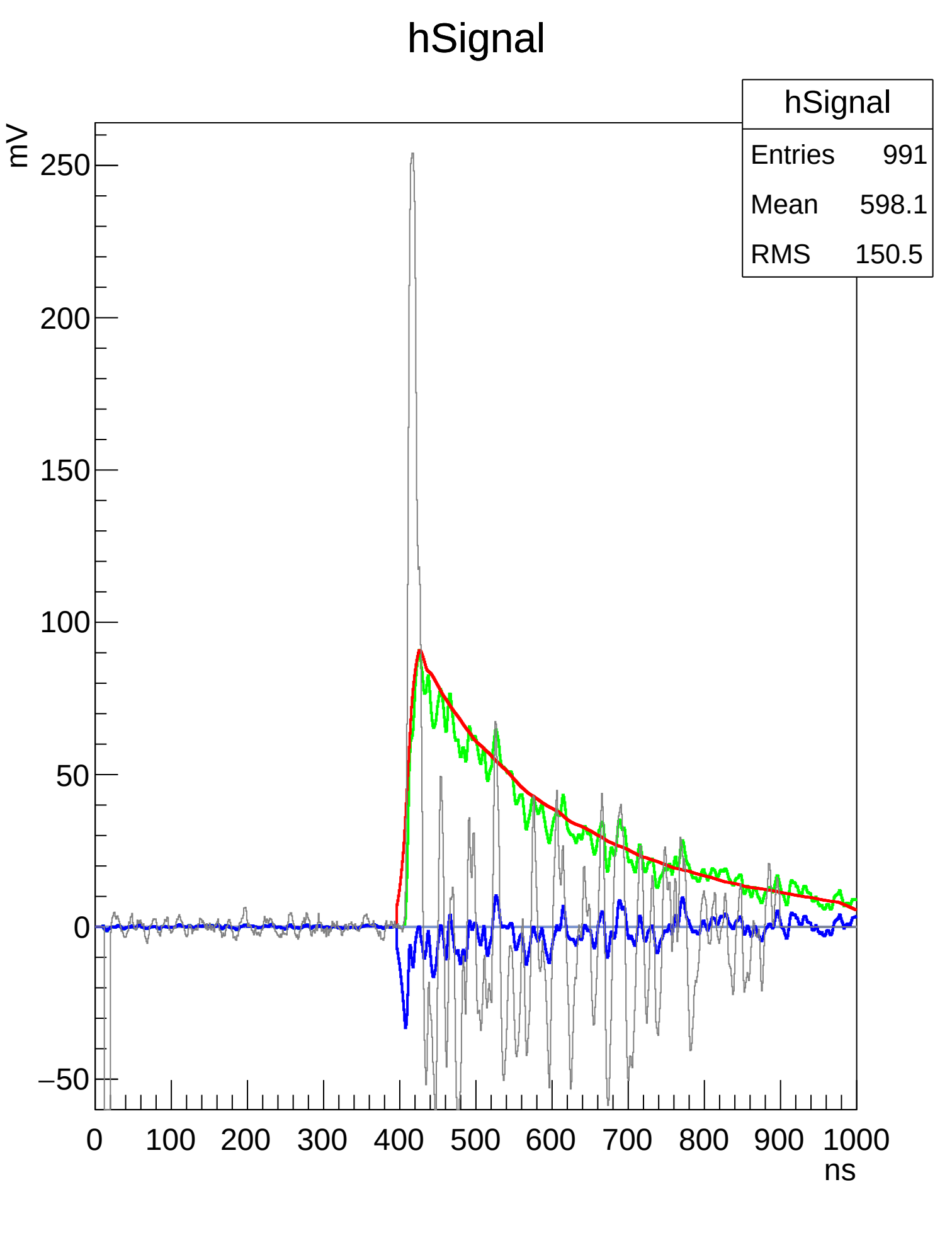
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 598.1
RMS 150.5
mV
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100
50
0
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0
100
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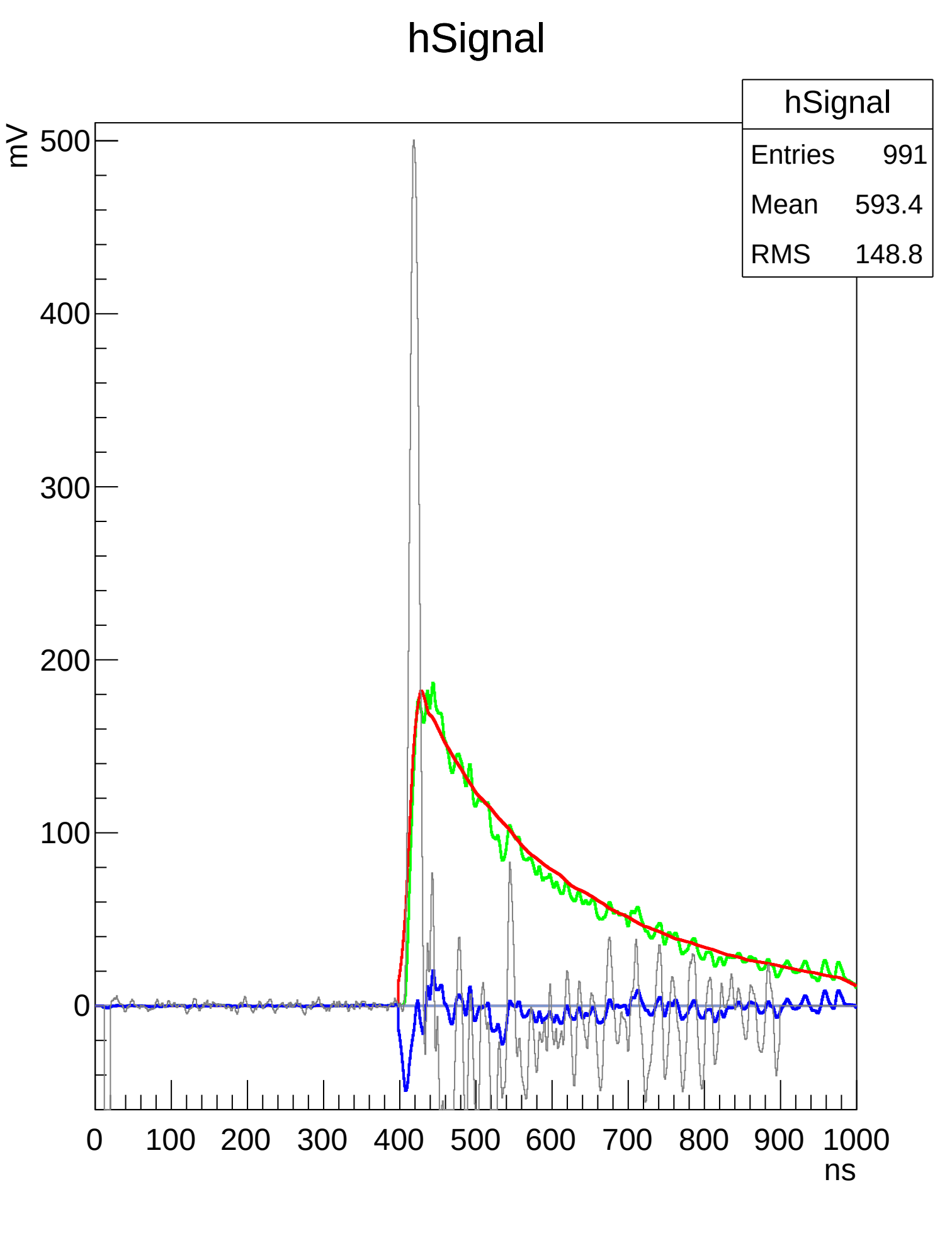
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 148.8
mV
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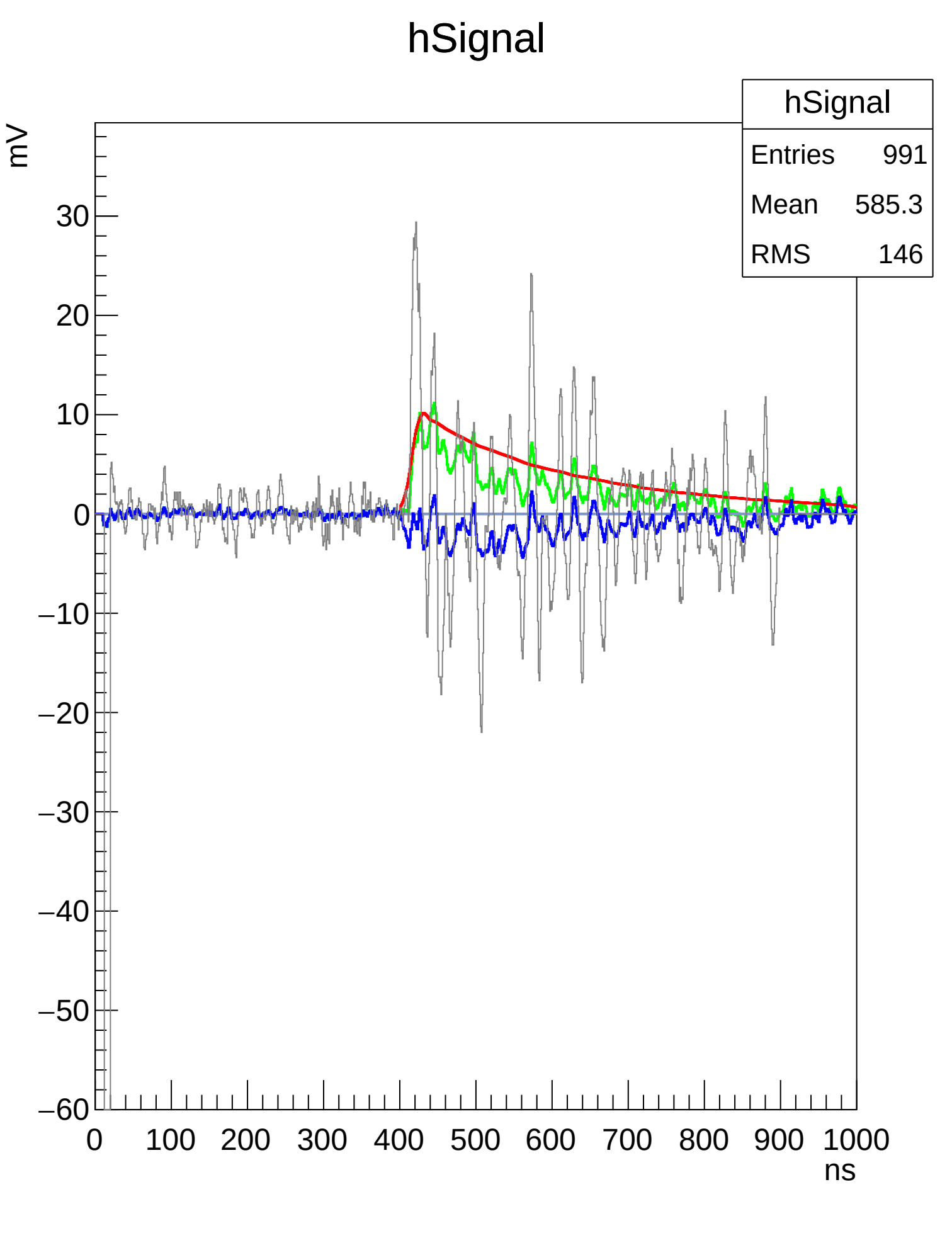
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.3
RMS 146
mV
30
20
10
0
−10
−20
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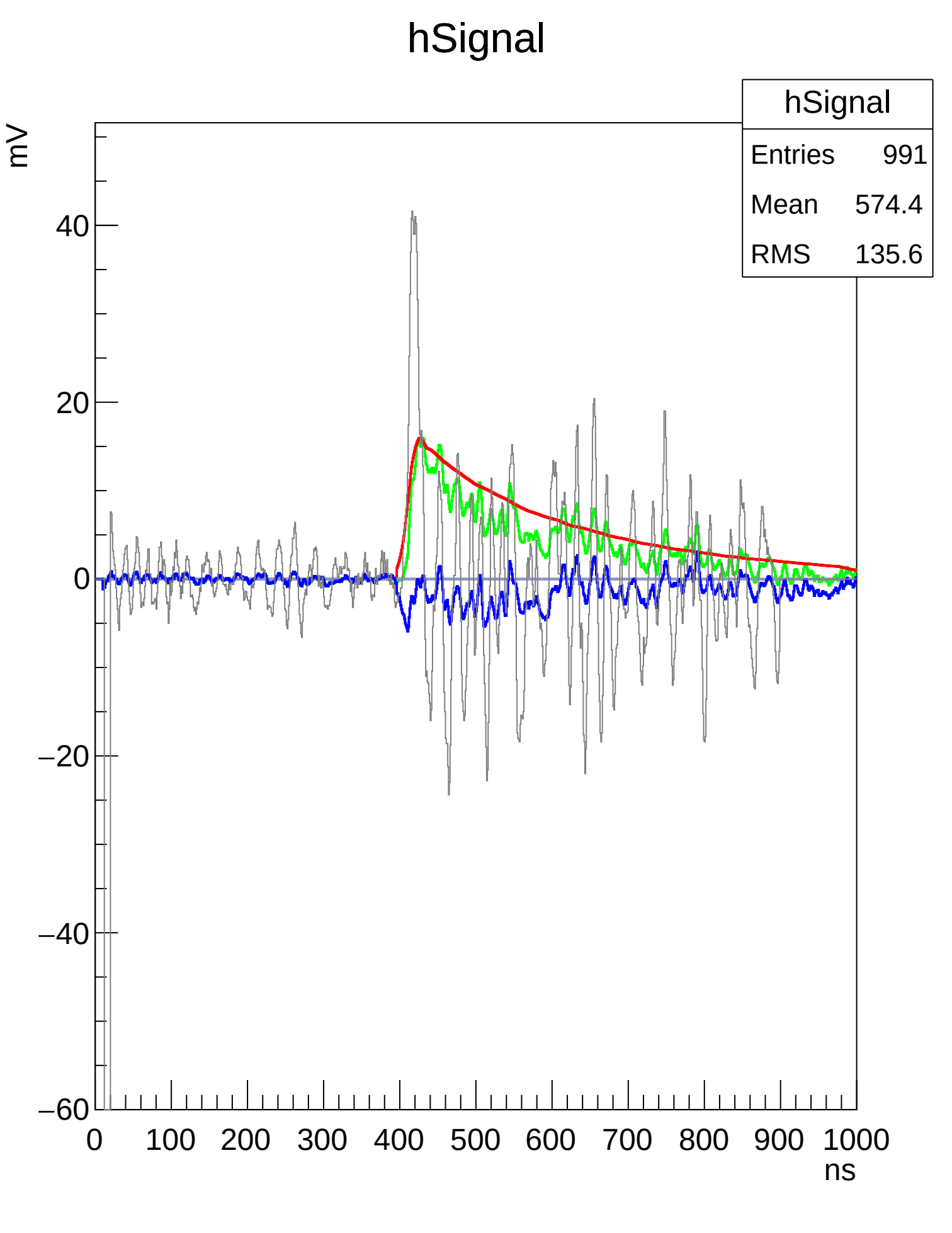
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.4
RMS 135.6
mV
40
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−20
−40
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0
100
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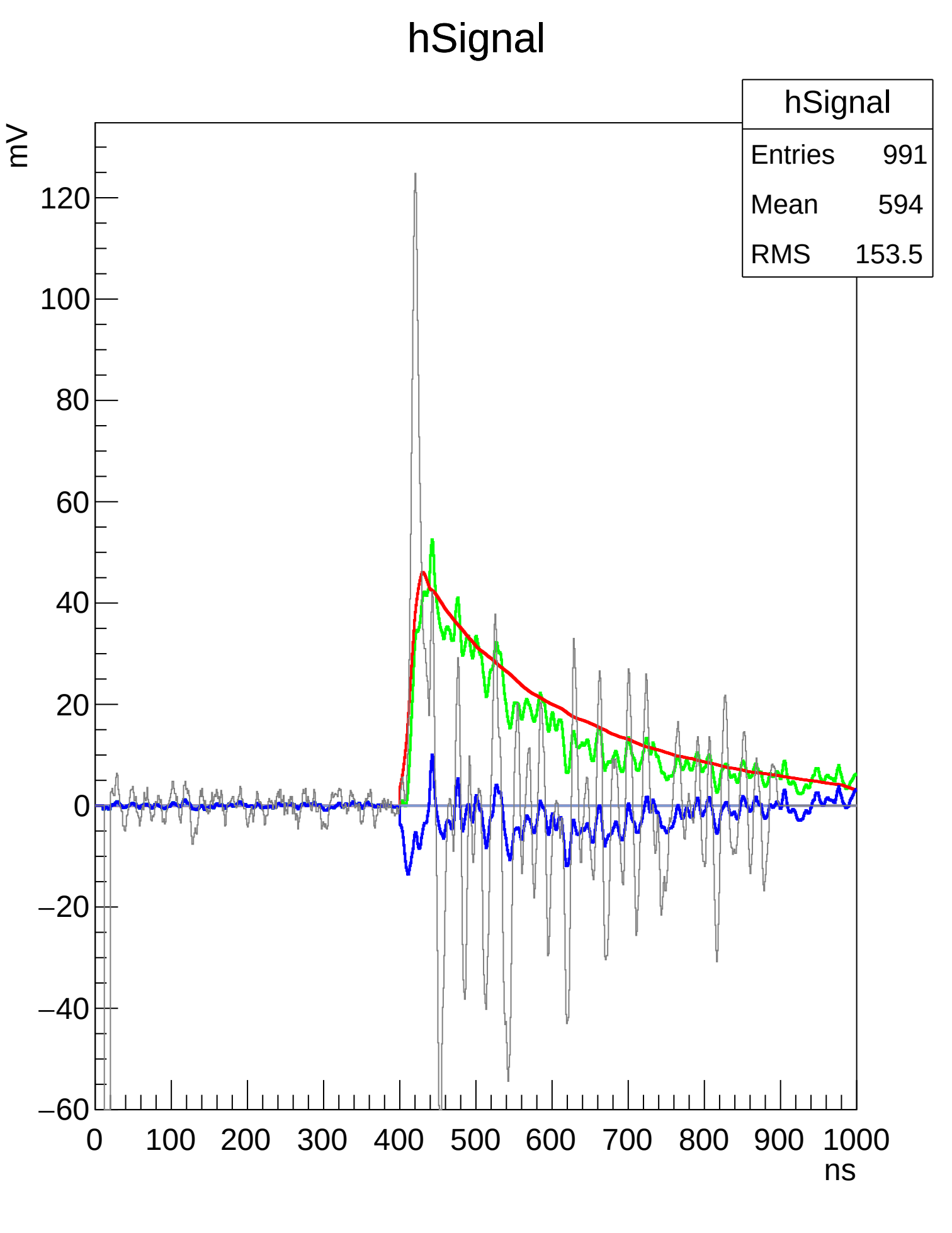
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594
RMS 153.5
mV
120
100
80
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0
100
200
300
400
500
600
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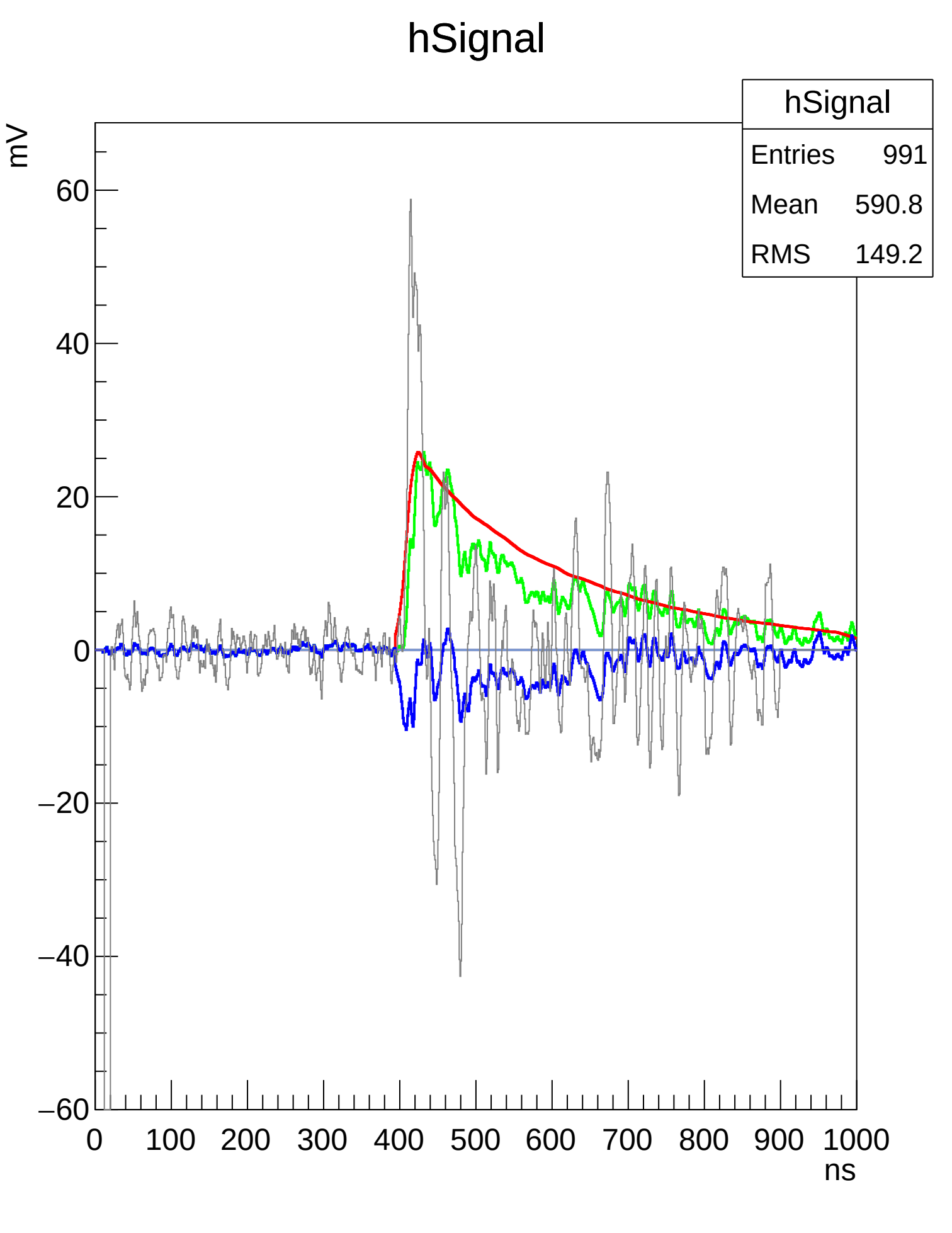
1000
ns


hSignal
hSignal
Entries 991
Mean 590.8
RMS 149.2
mV
60
40
20
0
−20
−40
−60
0
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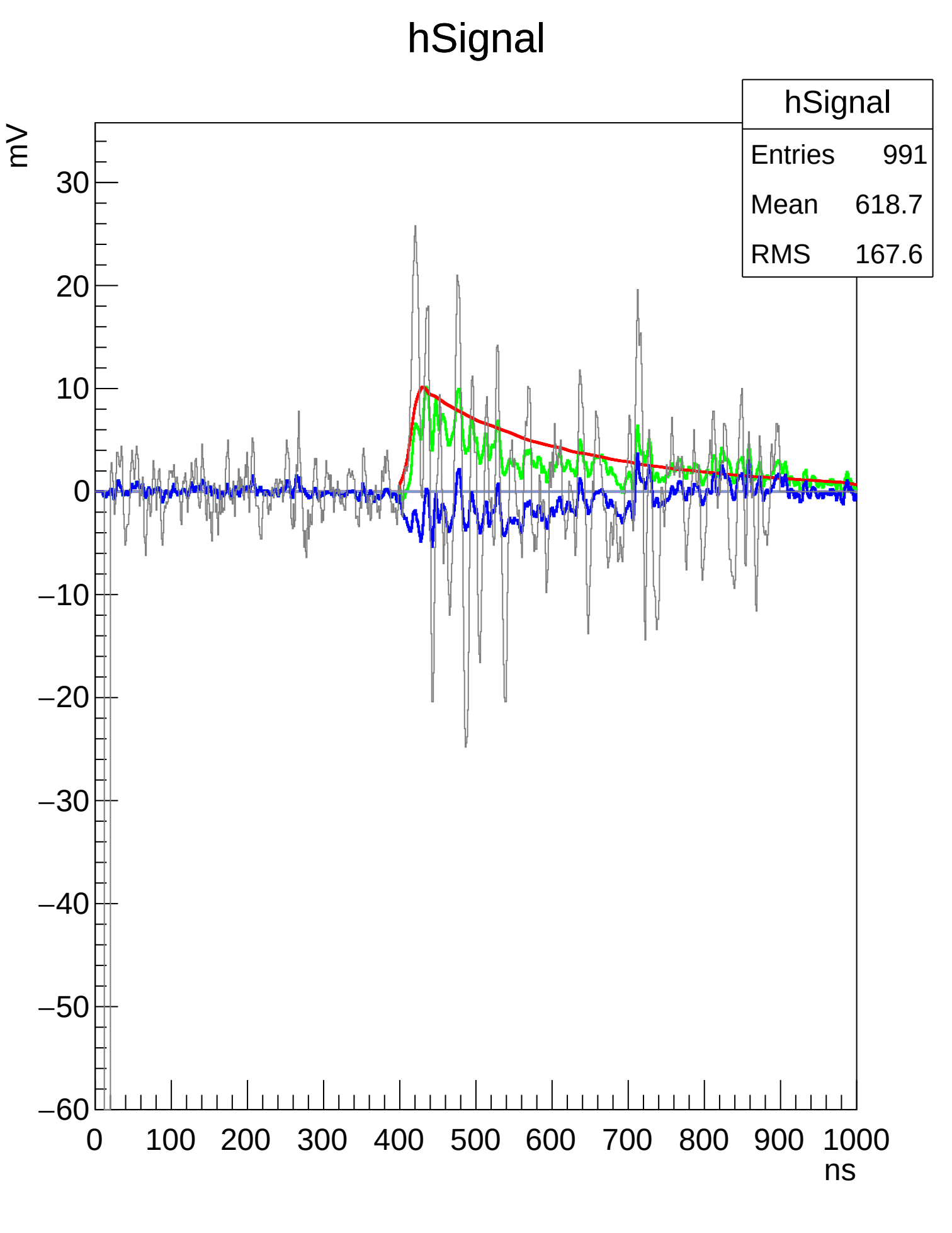
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 618.7
RMS 167.6
mV
30
20
10
0
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−40
−50
−60
0
100
200
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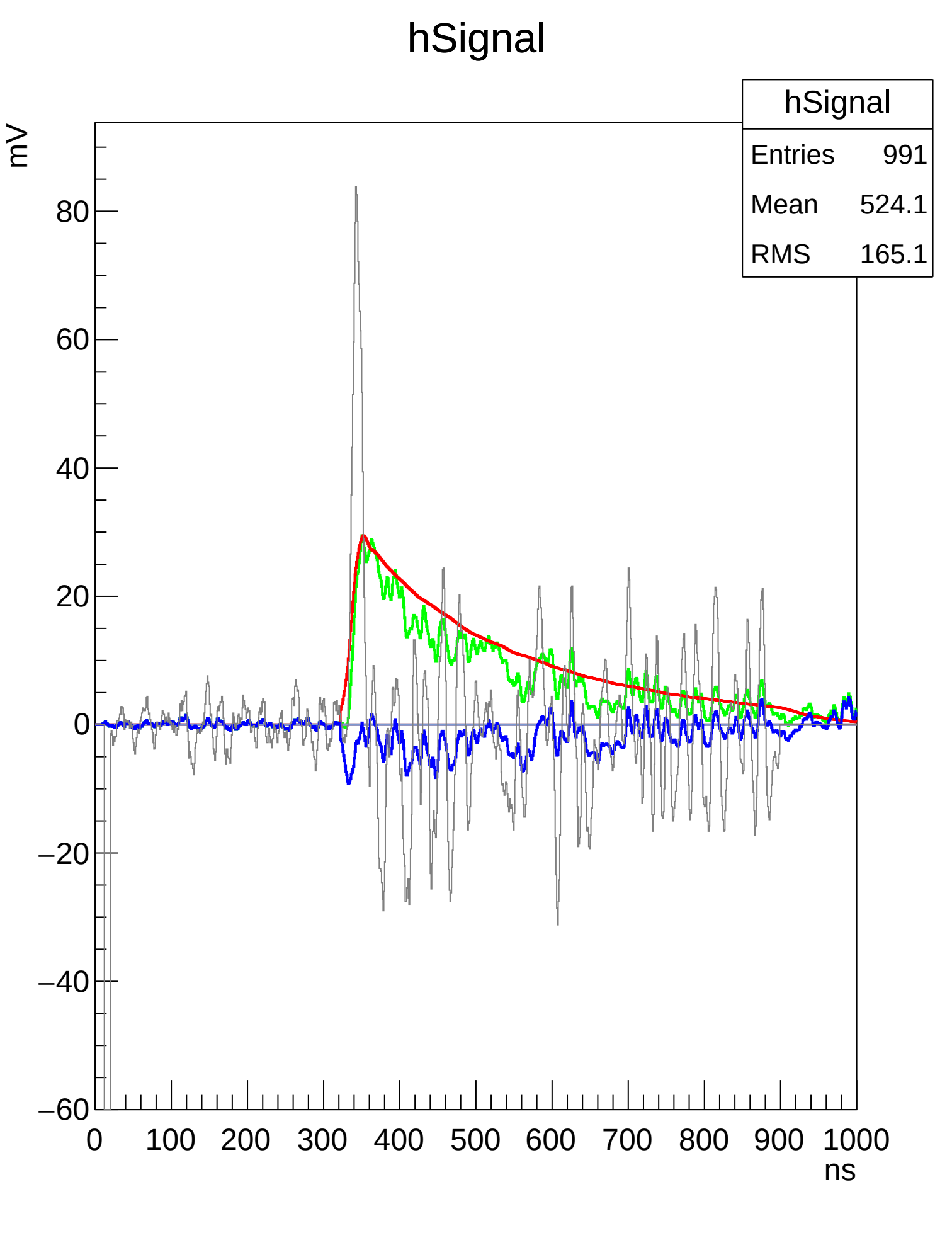
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 524.1
RMS 165.1
mV
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60
40
20
0
−20
−40
−60
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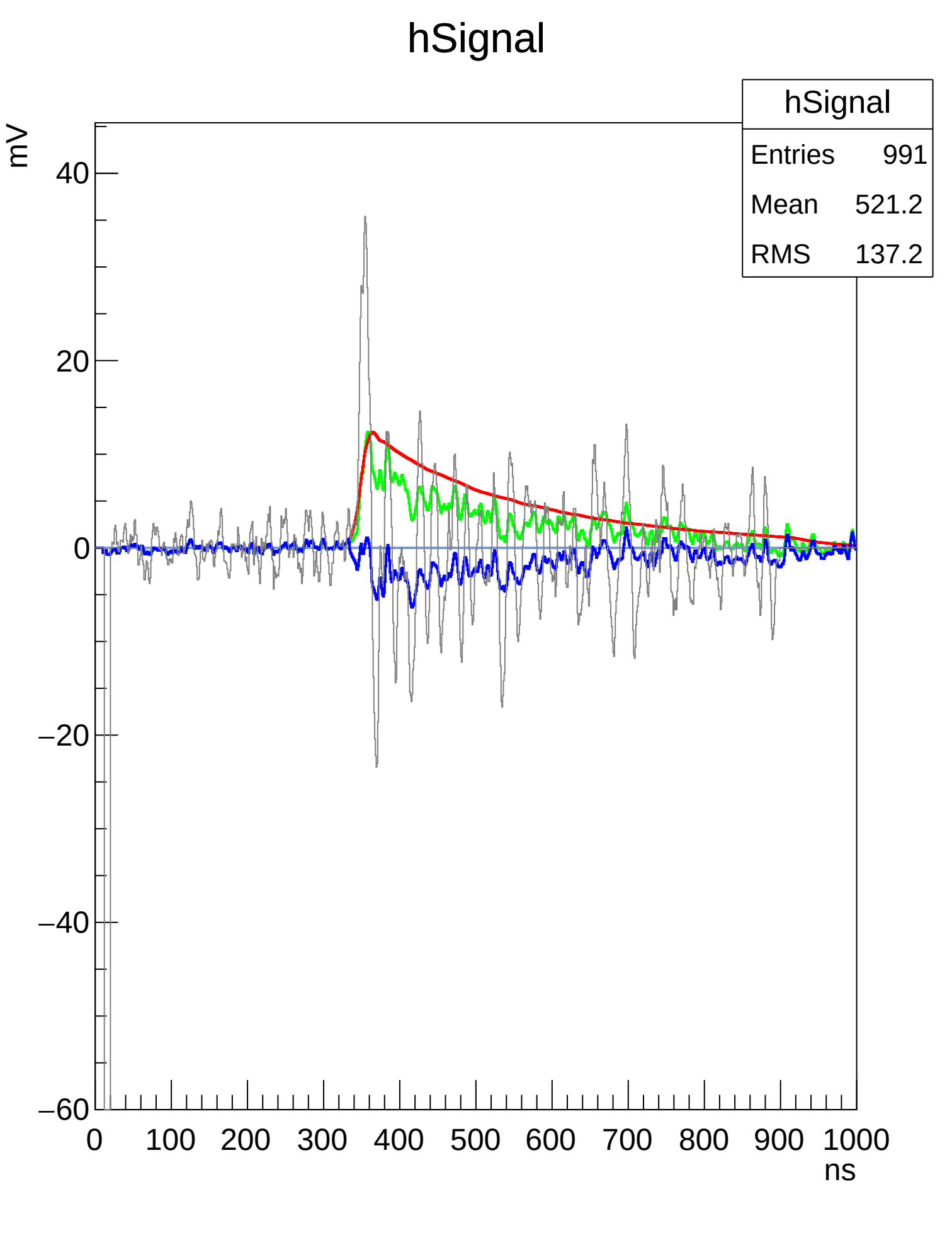
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.2
RMS 137.2
mV
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−20
−40
−60
0
100
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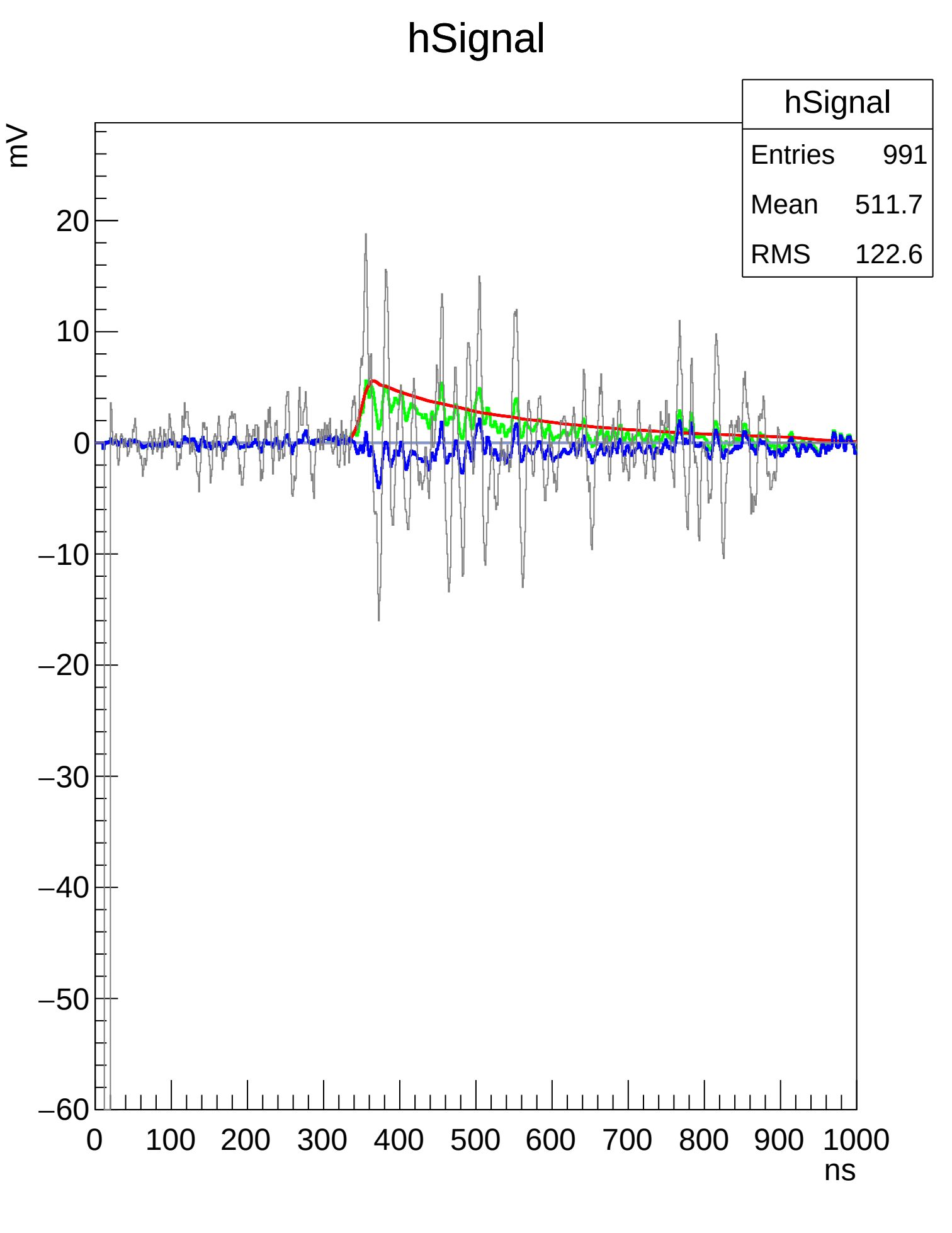
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 511.7
RMS 122.6
mV
20
10
0
−10
−20
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−40
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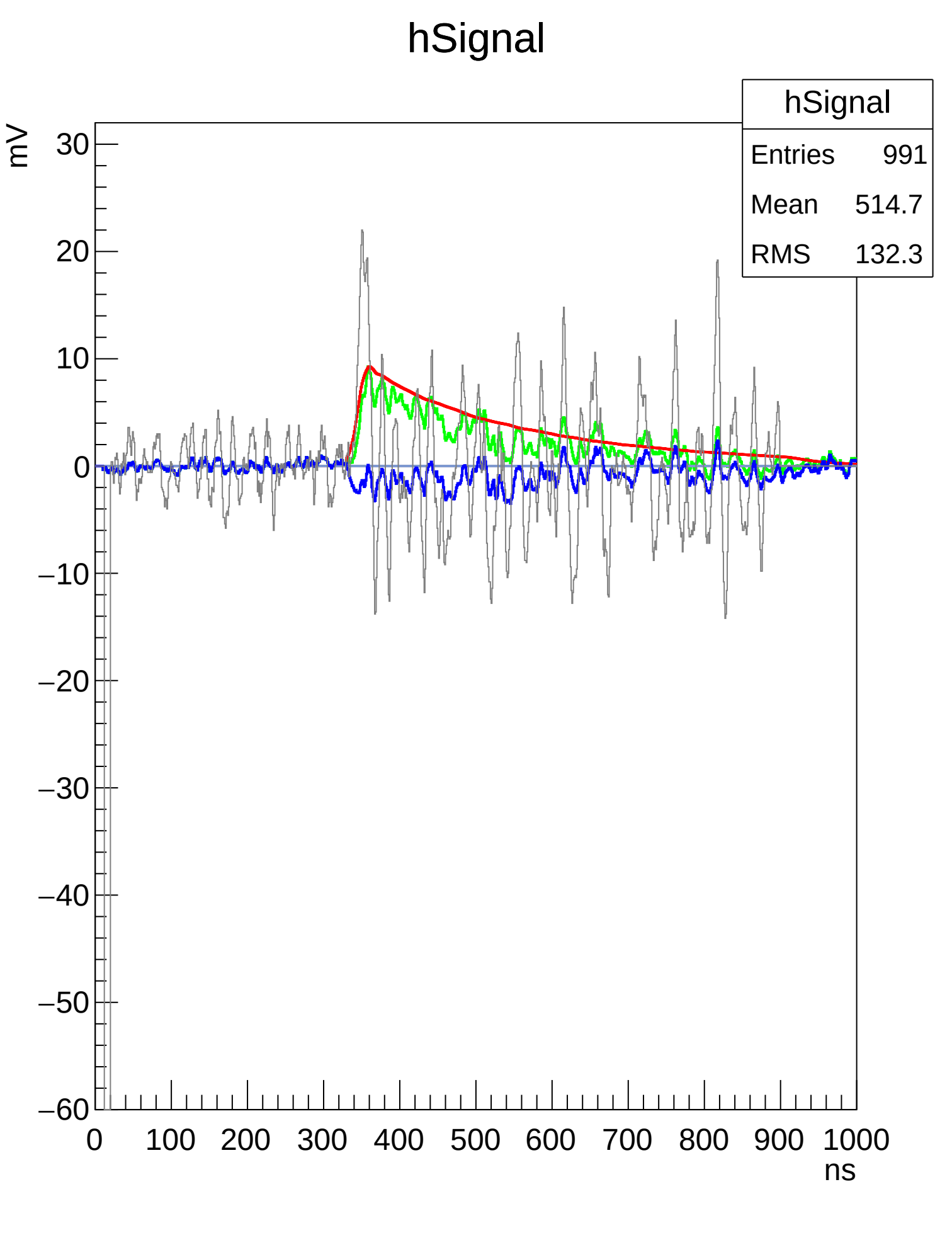
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.7
RMS 132.3
mV
30
20
10
0
−10
−20
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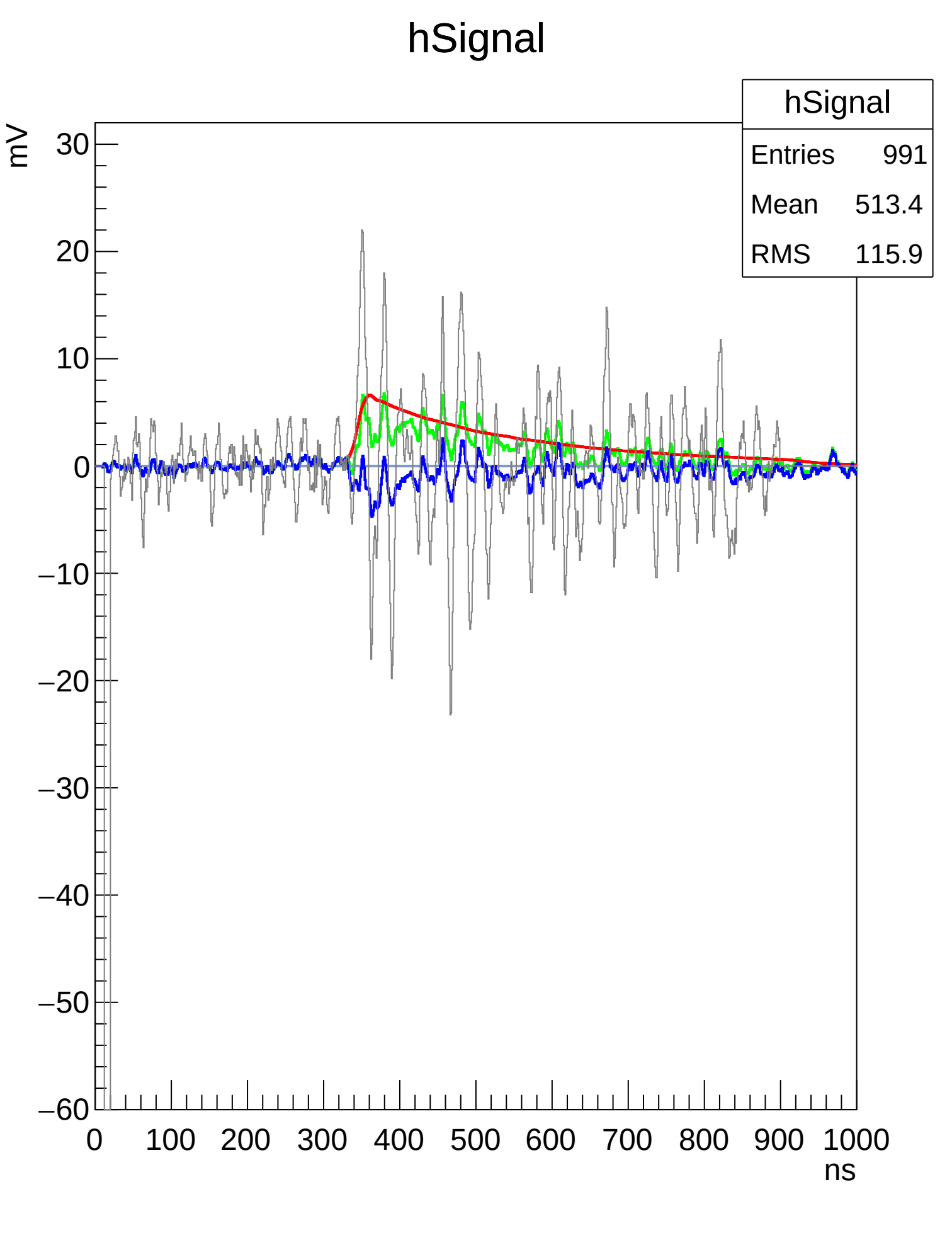
1000
ns


hSignal
hSignal
Entries 991
Mean 513.4
RMS 115.9
mV
30
20
10
0
−10
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−40
−50
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0
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200
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400
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1000
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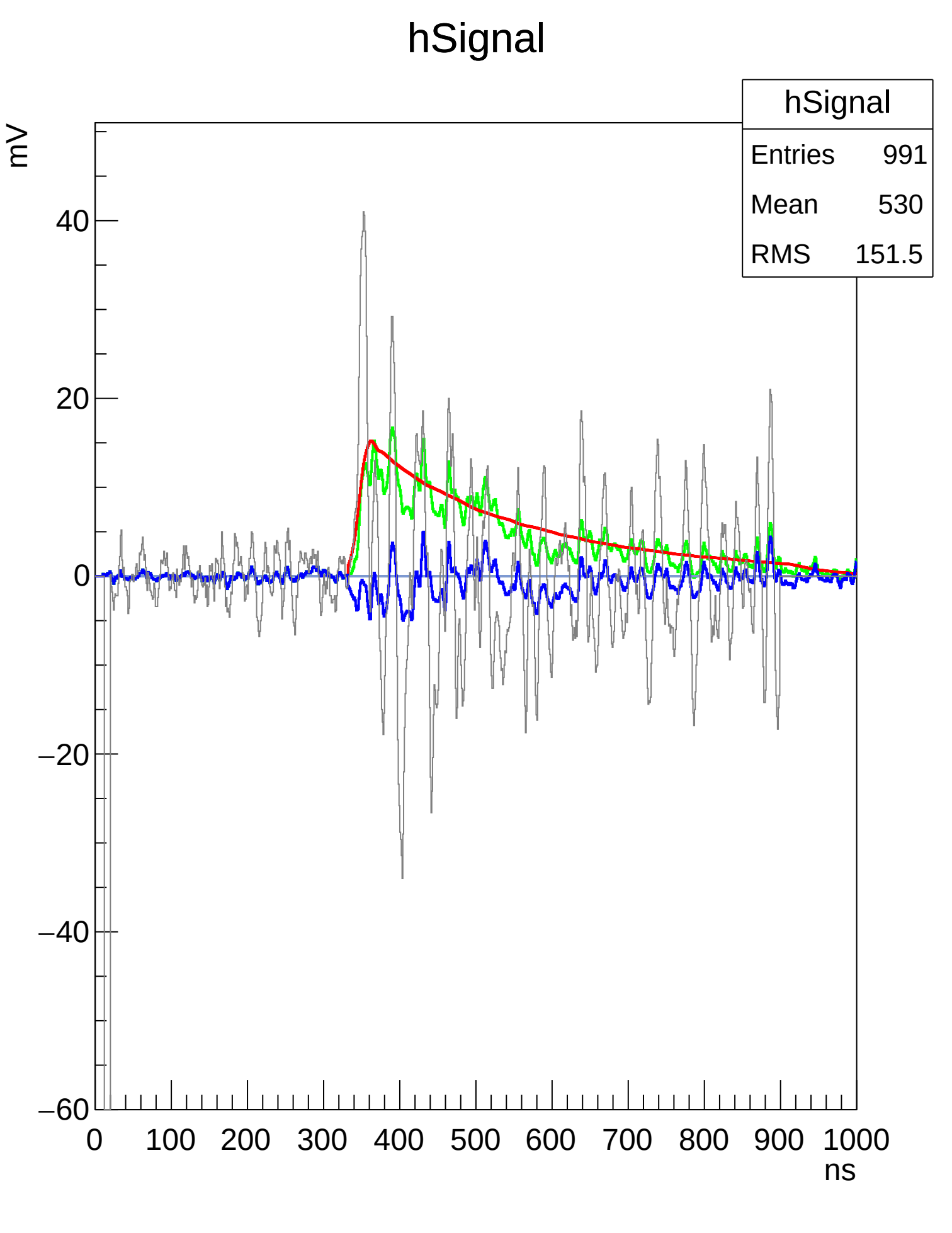
hSignal
hSignal
Entries 991
Mean 530
RMS 151.5
mV
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−20
−40
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0
100
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400
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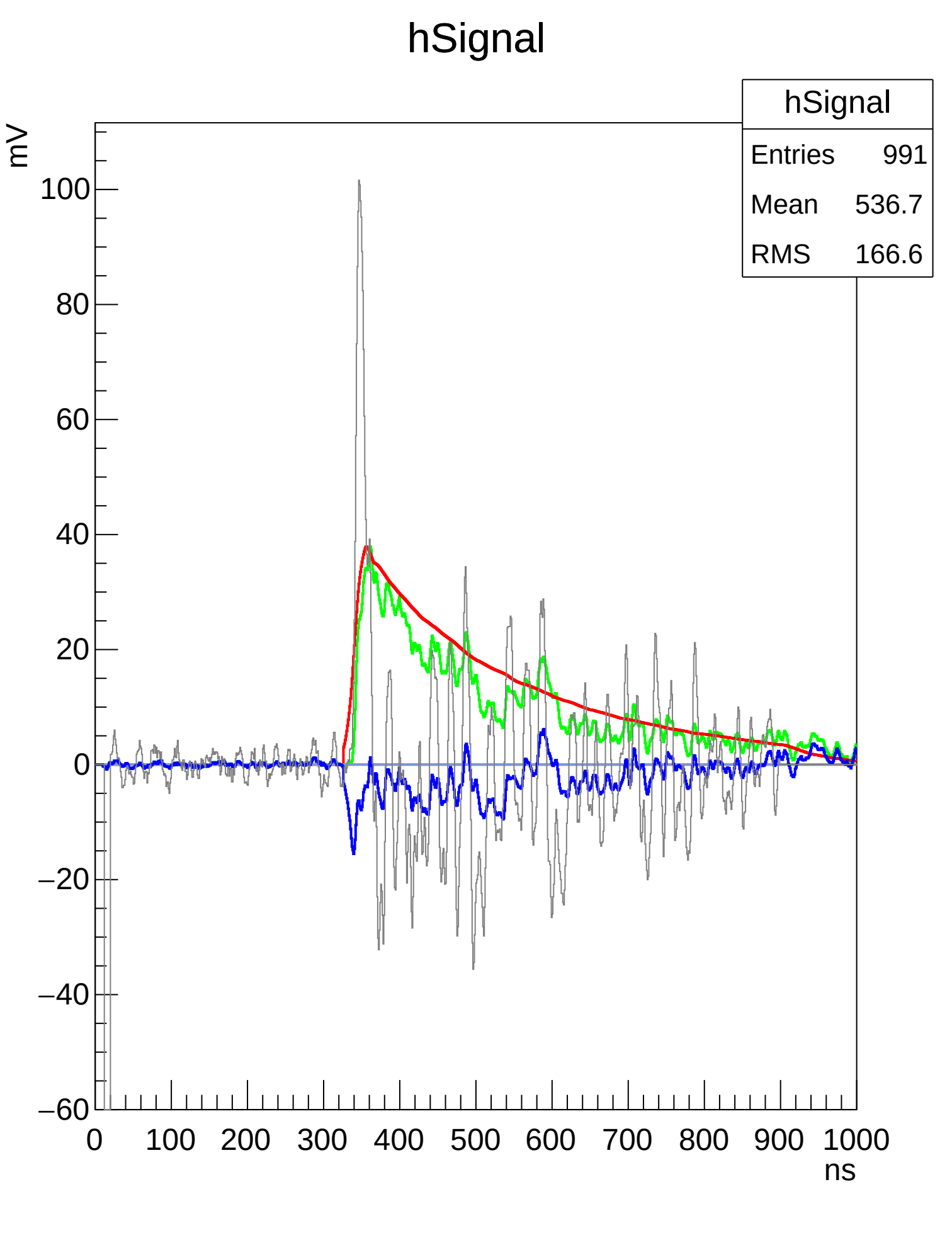
ns


hSignal
hSignal
Entries 991
Mean 536.7
RMS 166.6
mV
100
80
60
40
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−20
−40
−60
0
100
200
300
400
500
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800
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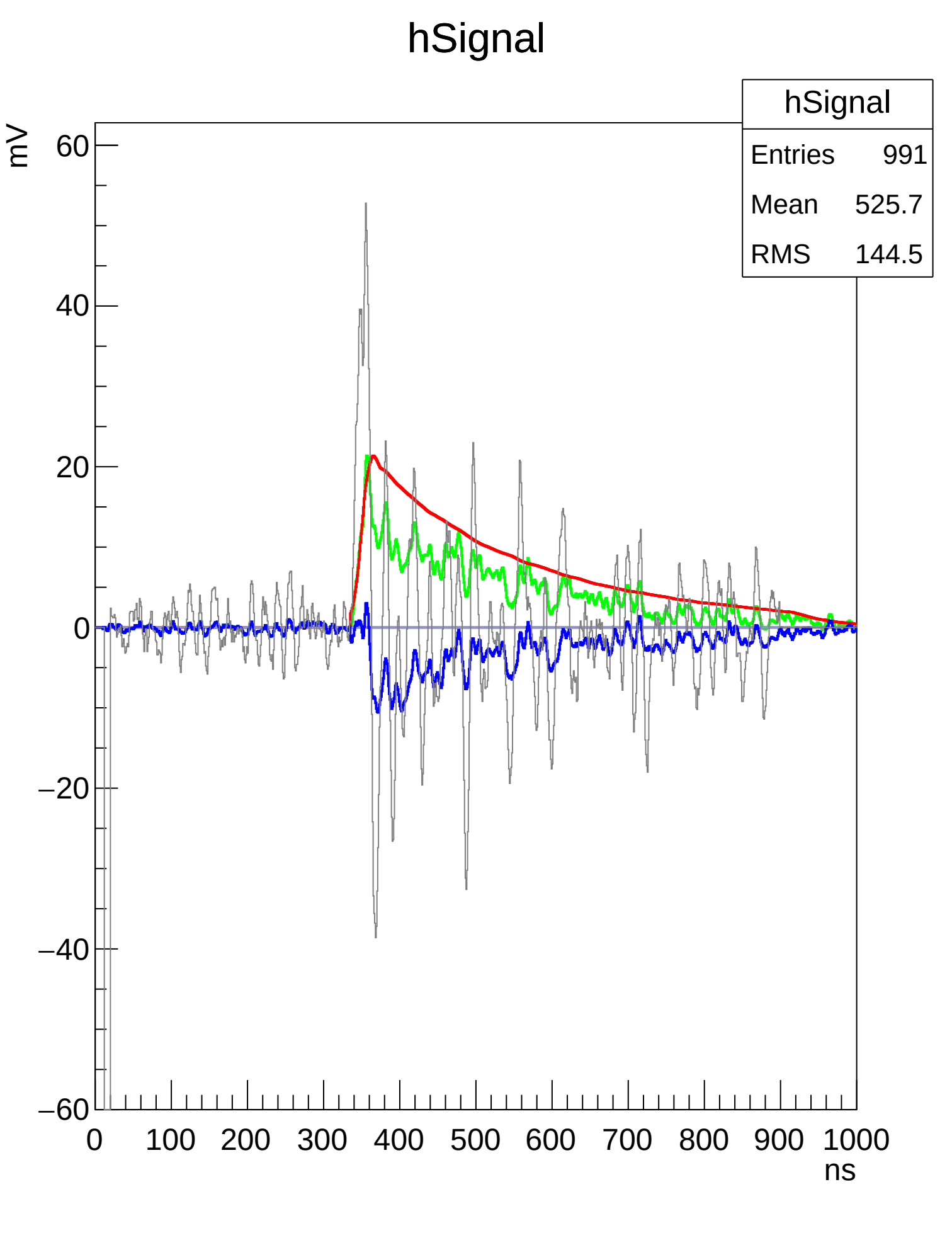
1000
ns


hSignal
hSignal
Entries 991
Mean 525.7
RMS 144.5
mV
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−20
−40
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0
100
200
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400
500
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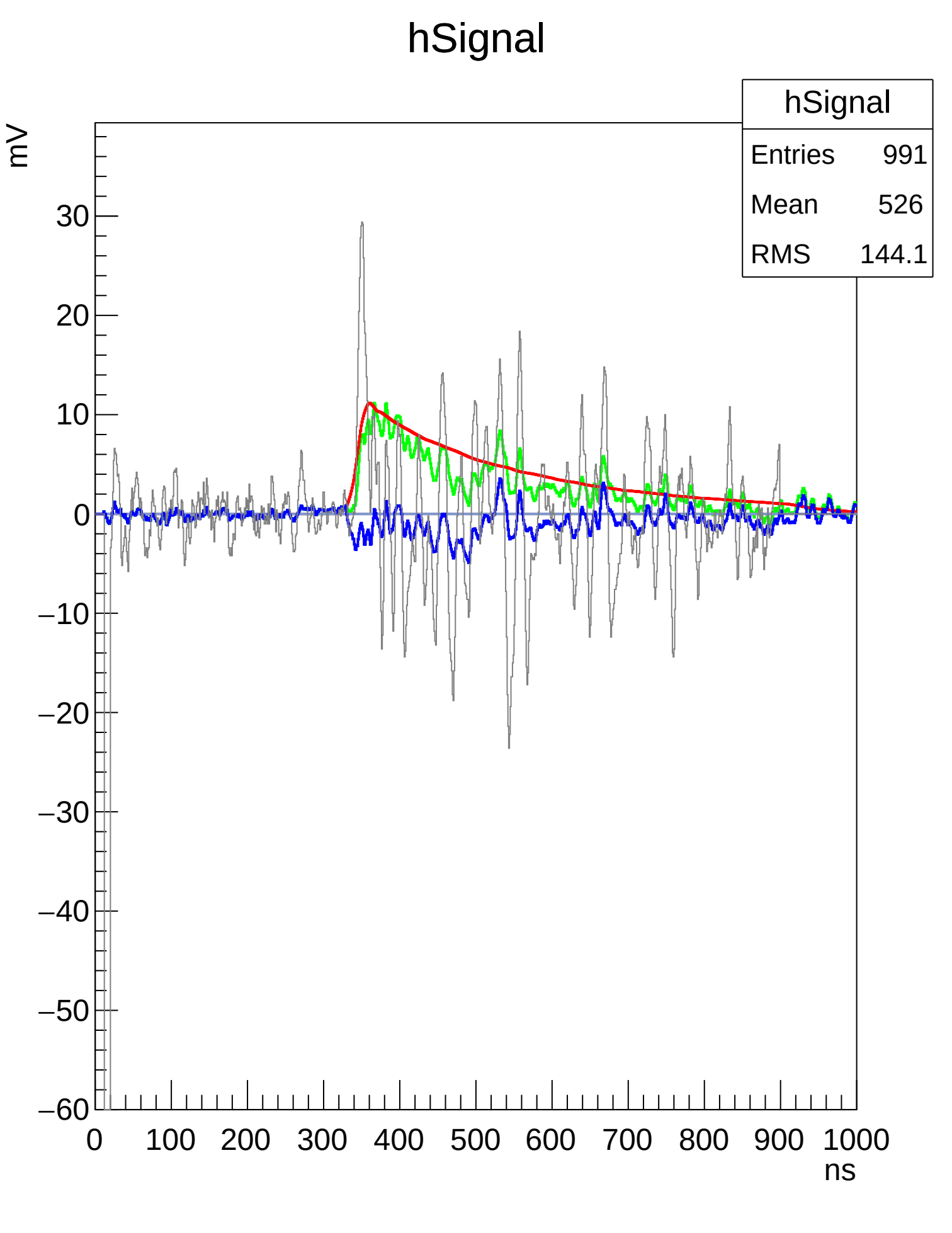
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526
RMS 144.1
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
300
400
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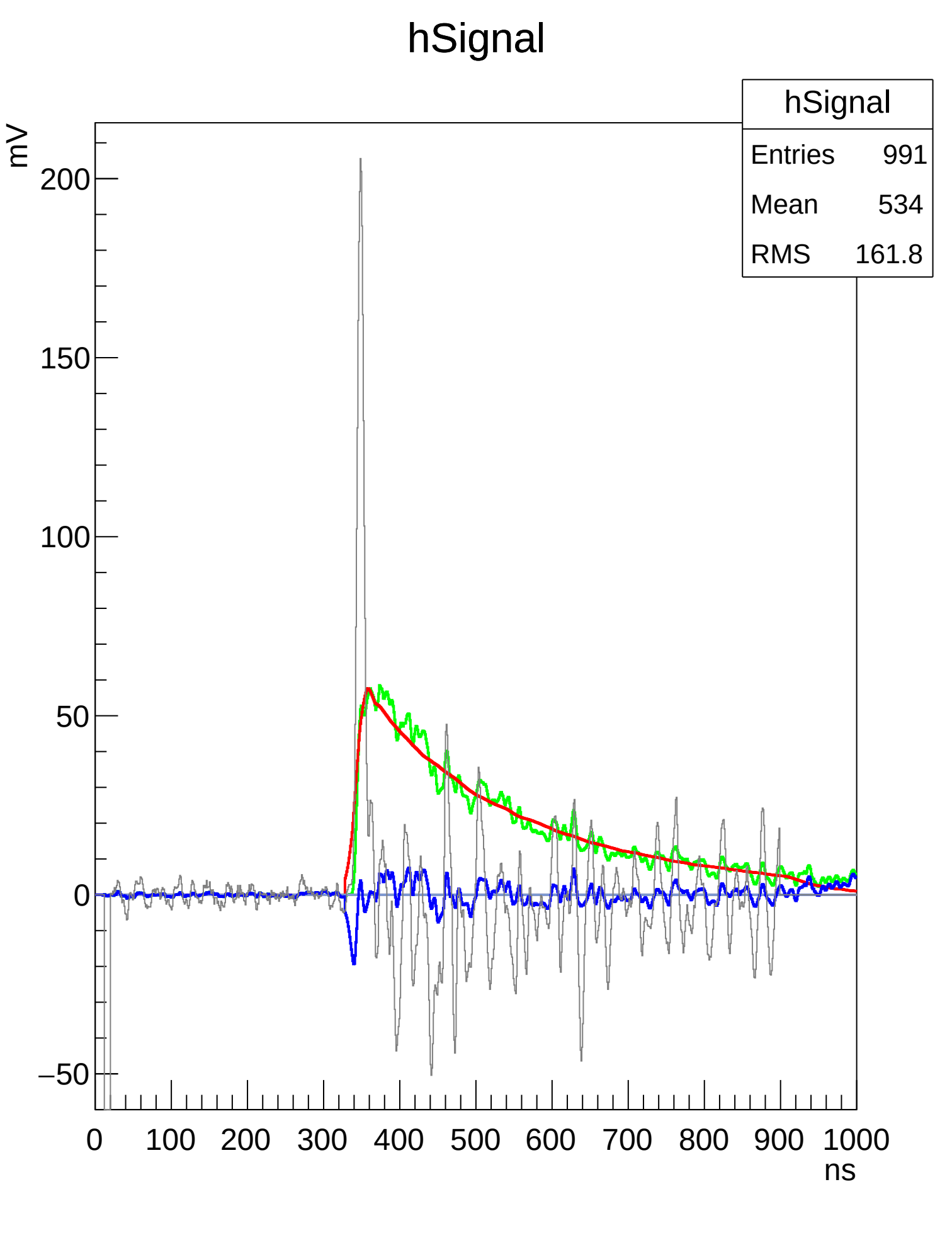
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534
RMS 161.8
mV
200
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100
50
0
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0
100
200
300
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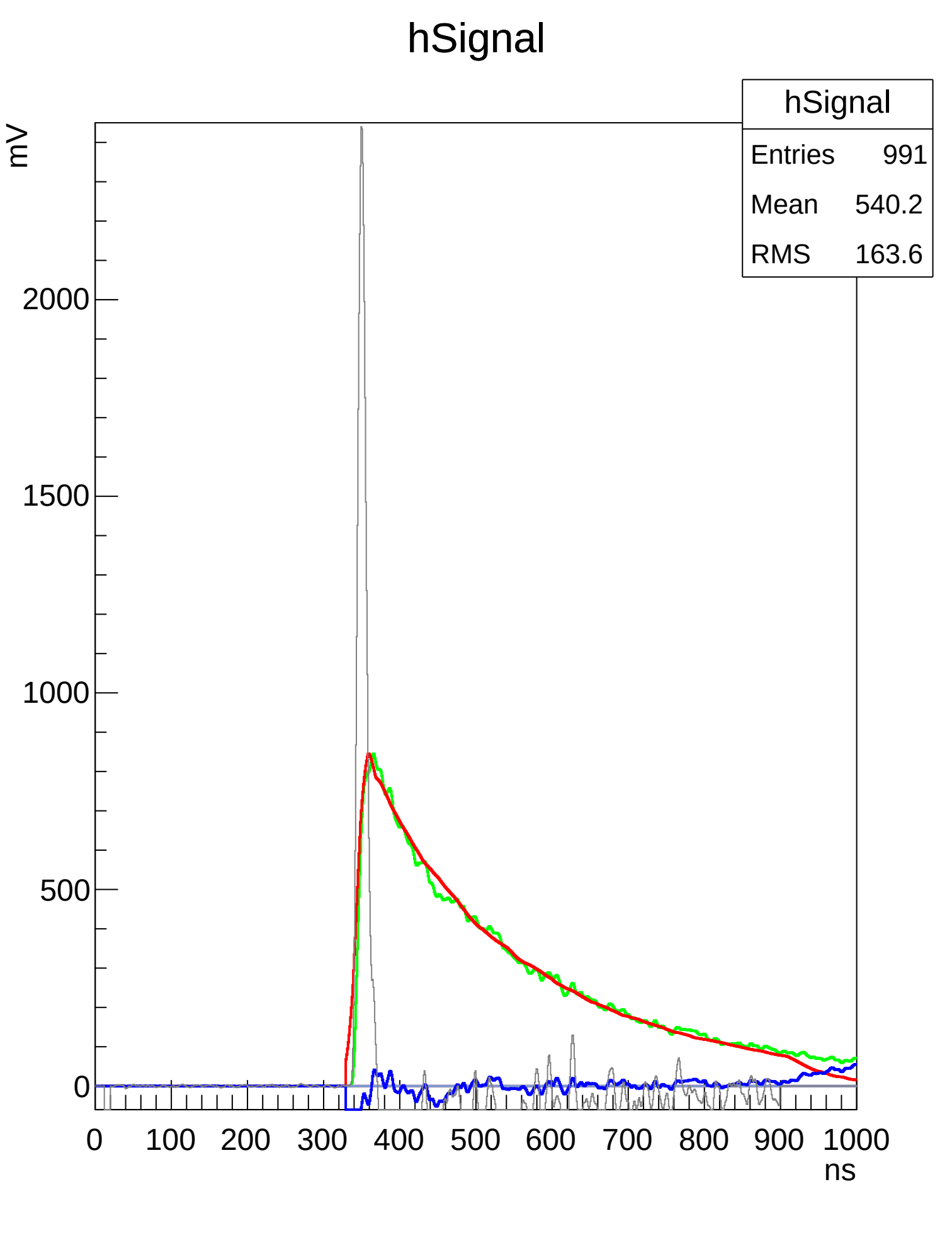
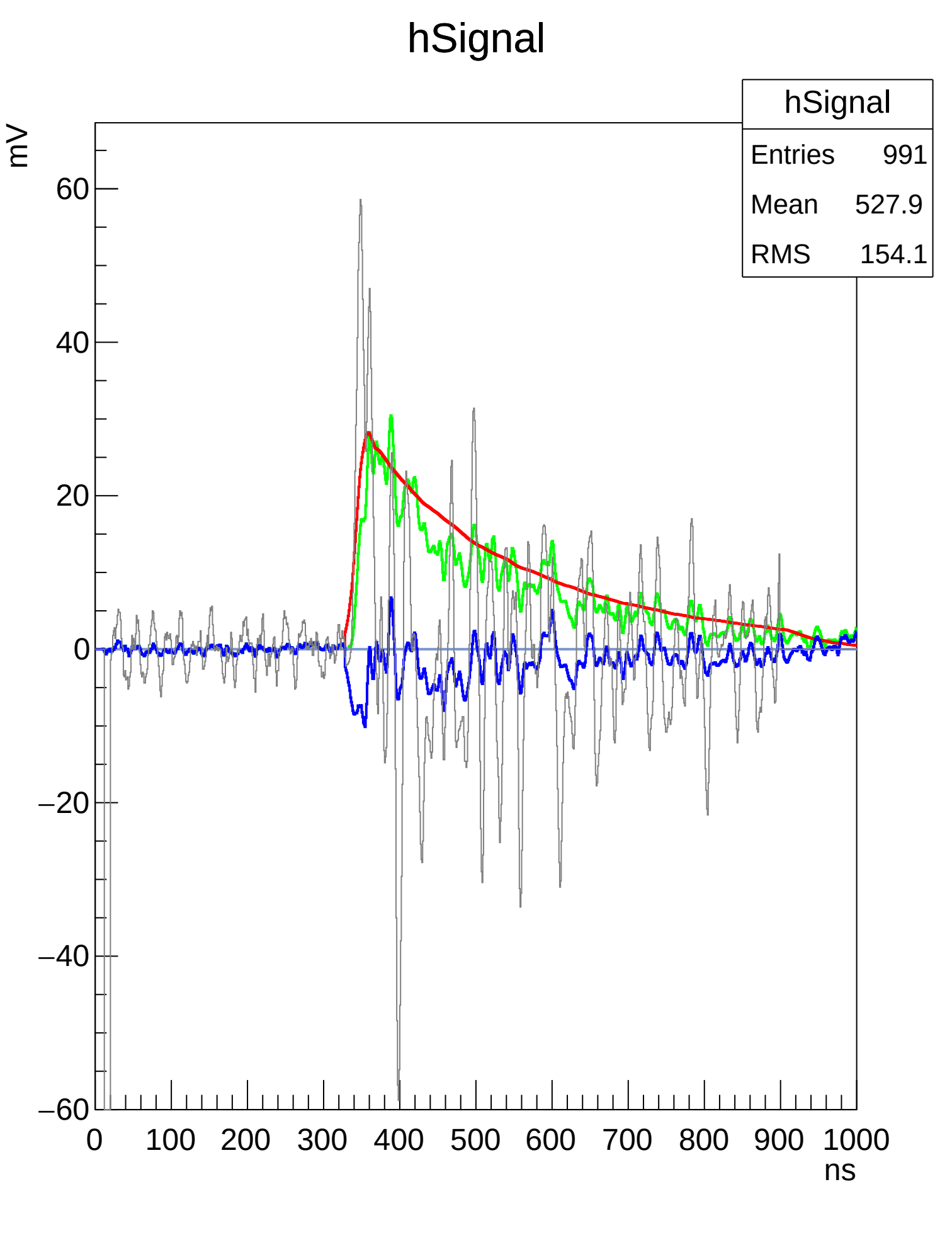
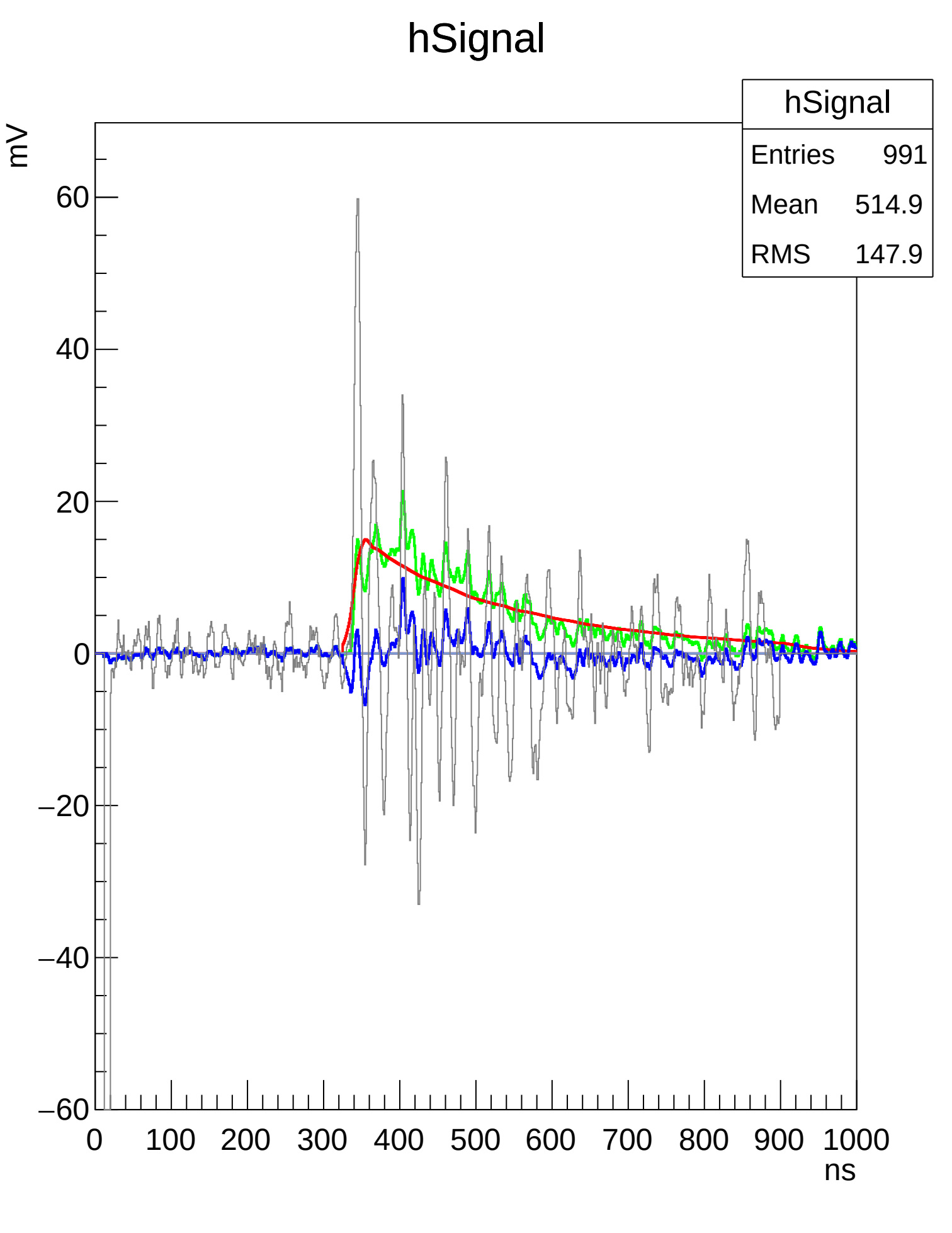
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.2
RMS 163.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 527.9
RMS 154.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 514.9
RMS 147.9
mV
60
40
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−20
−40
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0
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200
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600
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800
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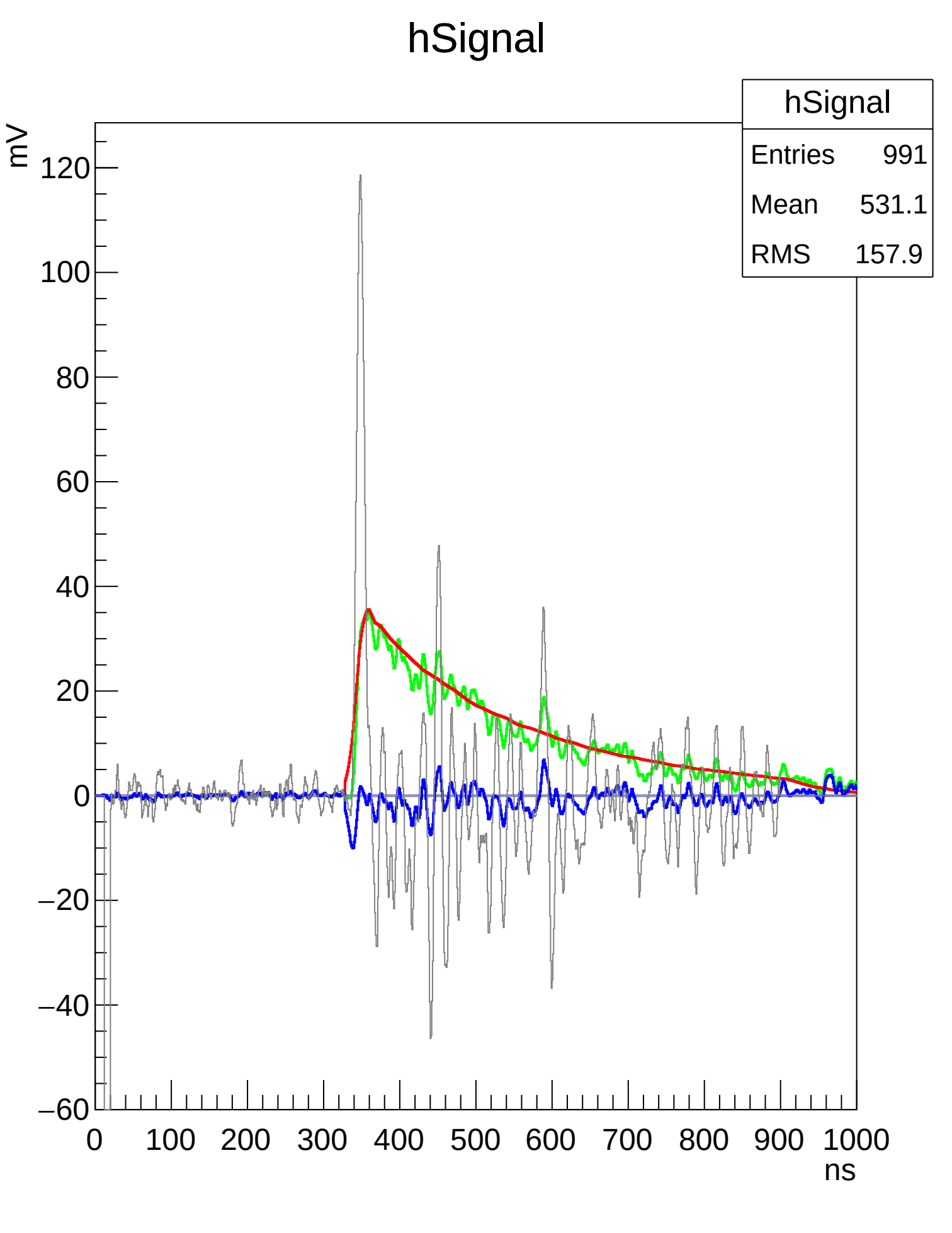
1000
ns


hSignal
hSignal
Entries 991
Mean 531.1
RMS 157.9
mV
120
100
80
60
40
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0
−20
−40
−60
0
100
200
300
400
500
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800
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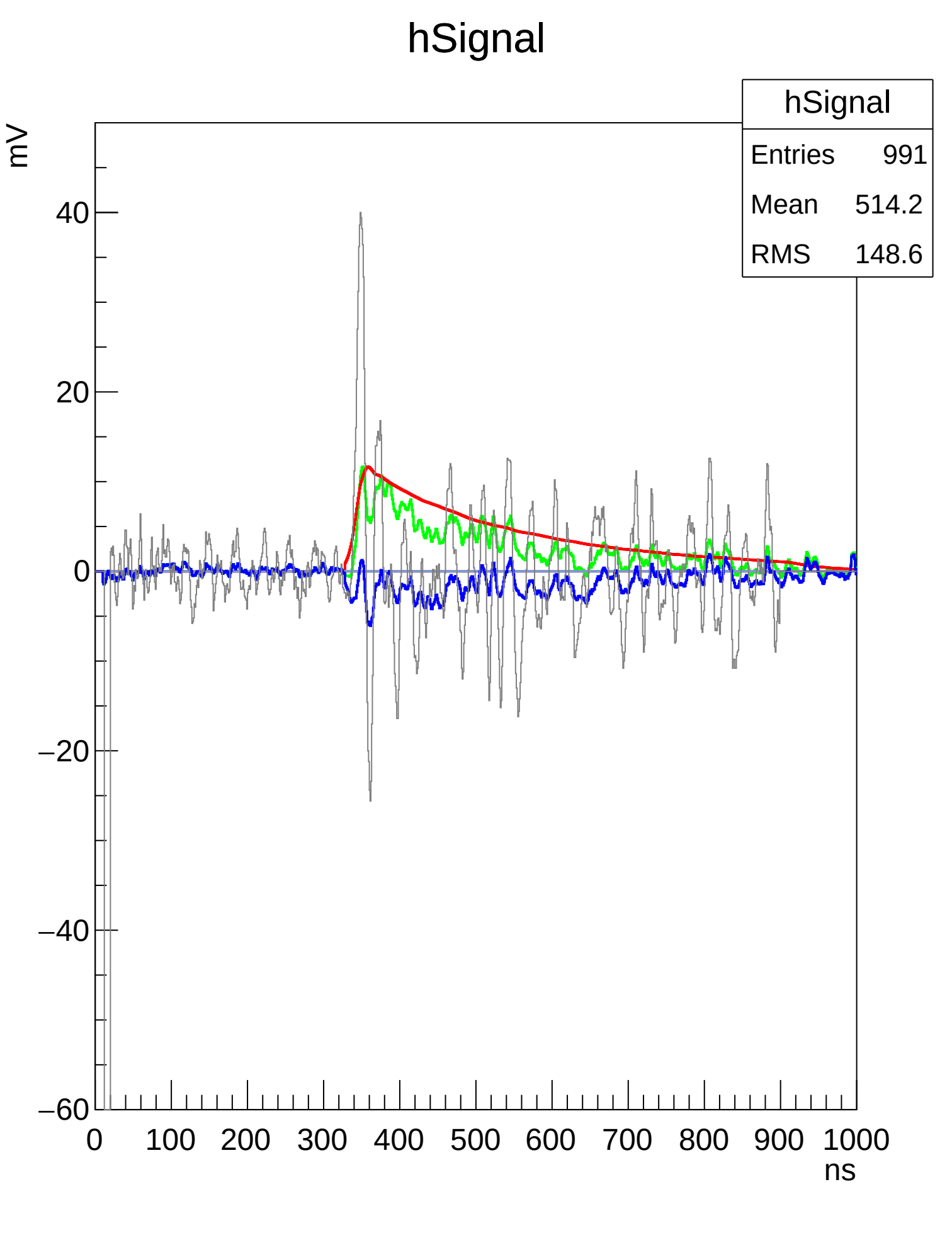
1000
ns


hSignal
hSignal
Entries 991
Mean 514.2
RMS 148.6
mV
40
20
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−20
−40
−60
0
100
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600
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800
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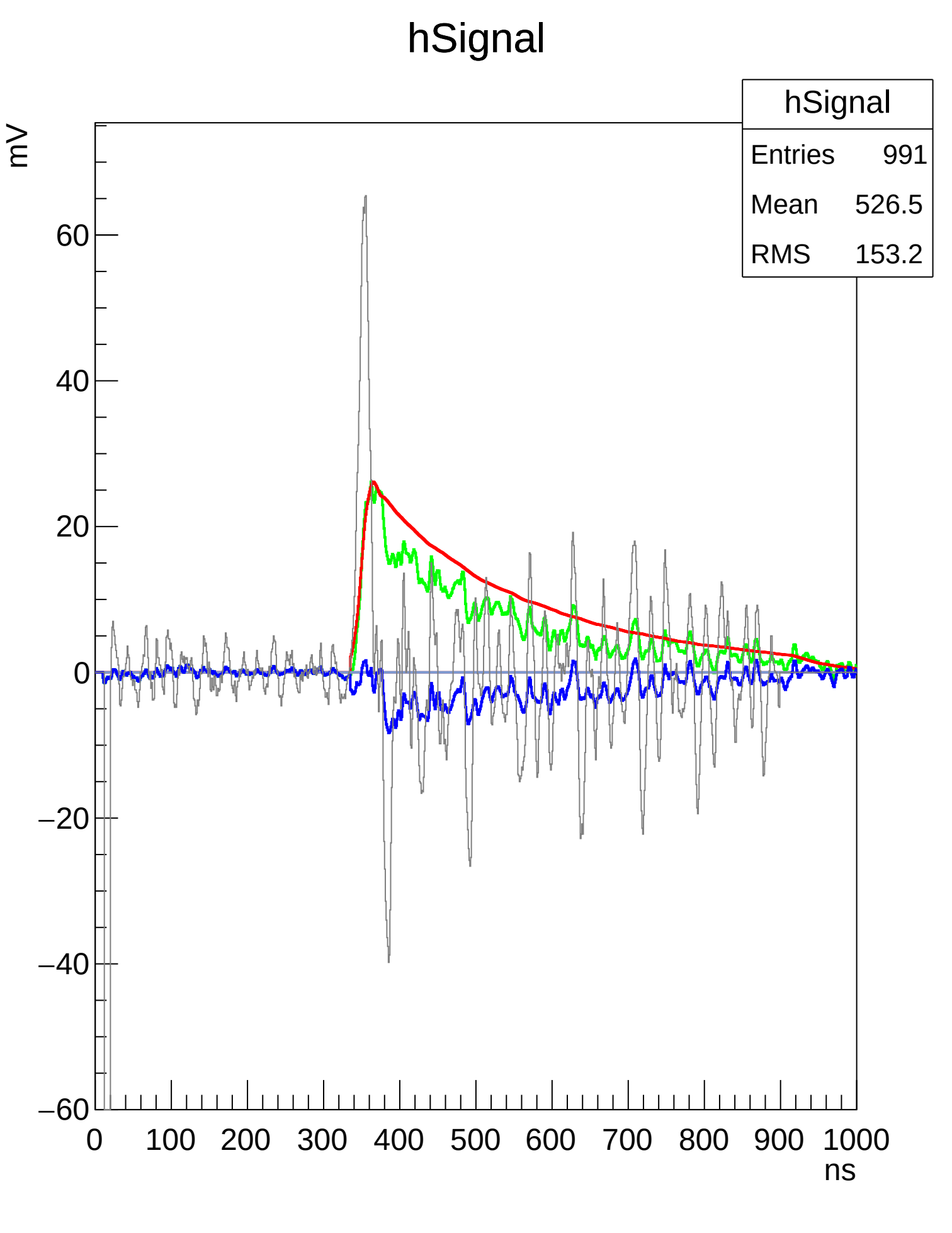
1000
ns


hSignal
hSignal
Entries 991
Mean 526.5
RMS 153.2
mV
60
40
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−40
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0
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200
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400
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600
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800
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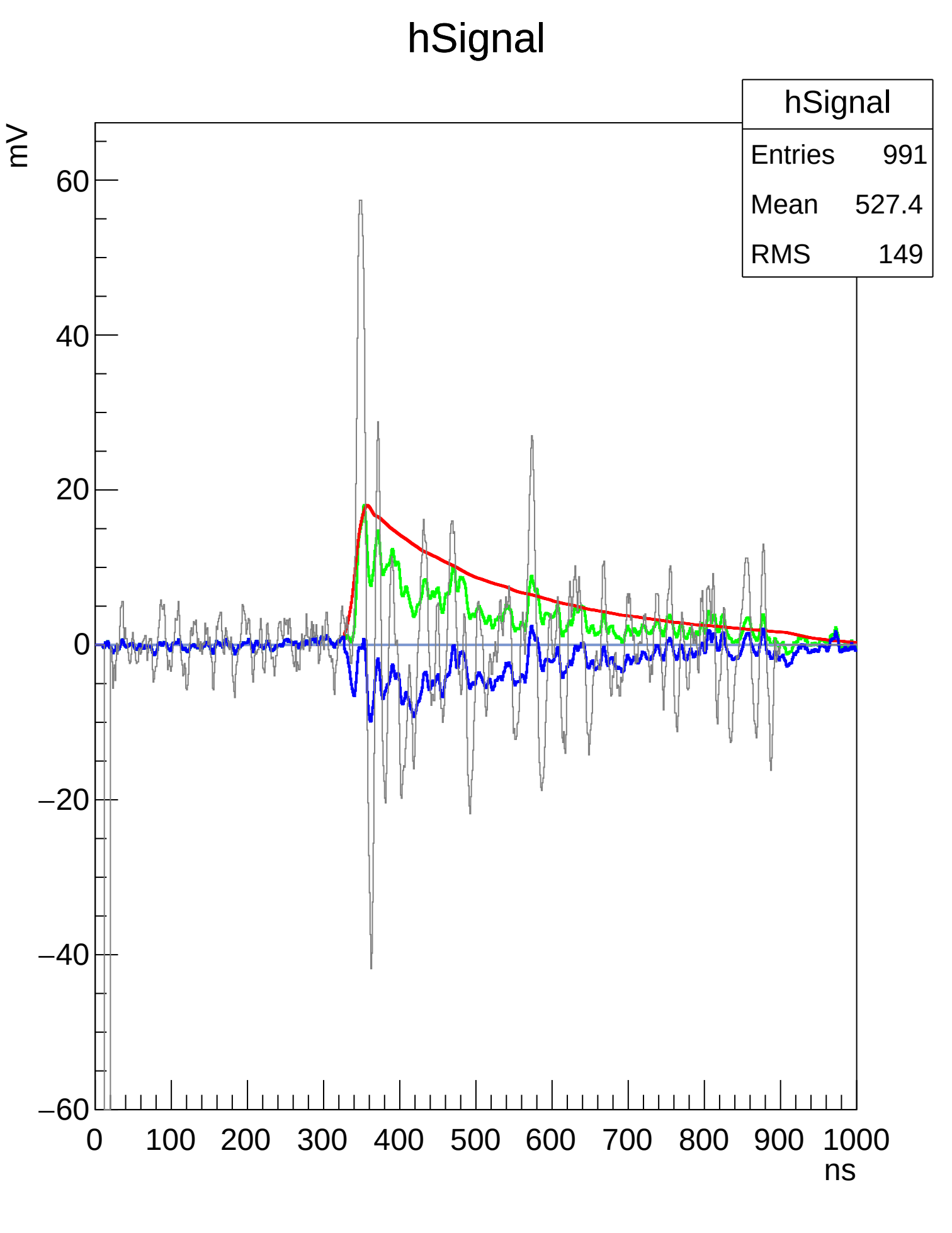
1000
ns


hSignal
hSignal
Entries 991
Mean 527.4
RMS 149
mV
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40
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−20
−40
−60
0
100
200
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400
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600
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800
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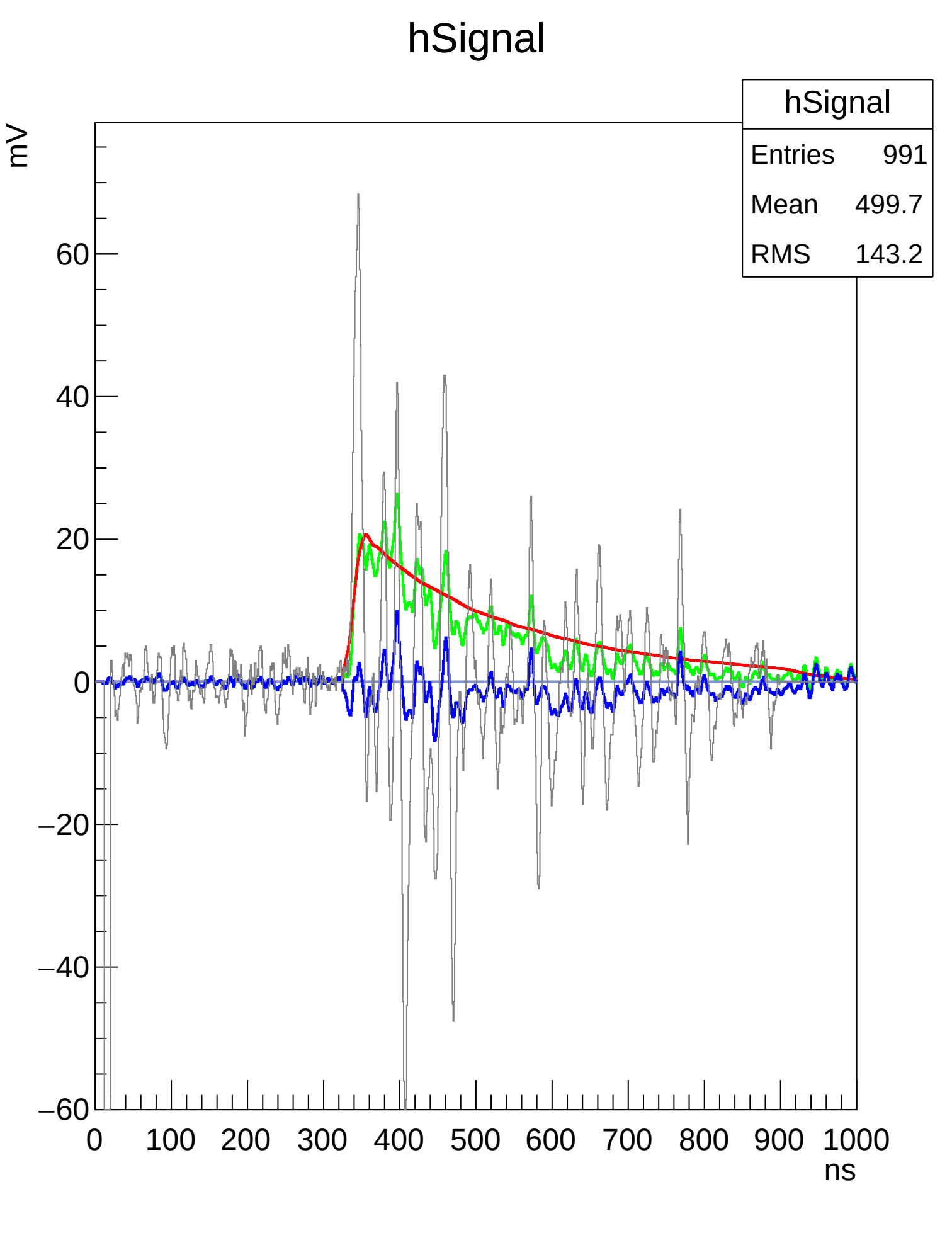
1000
ns


hSignal
hSignal
Entries 991
Mean 499.7
RMS 143.2
mV
60
40
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−20
−40
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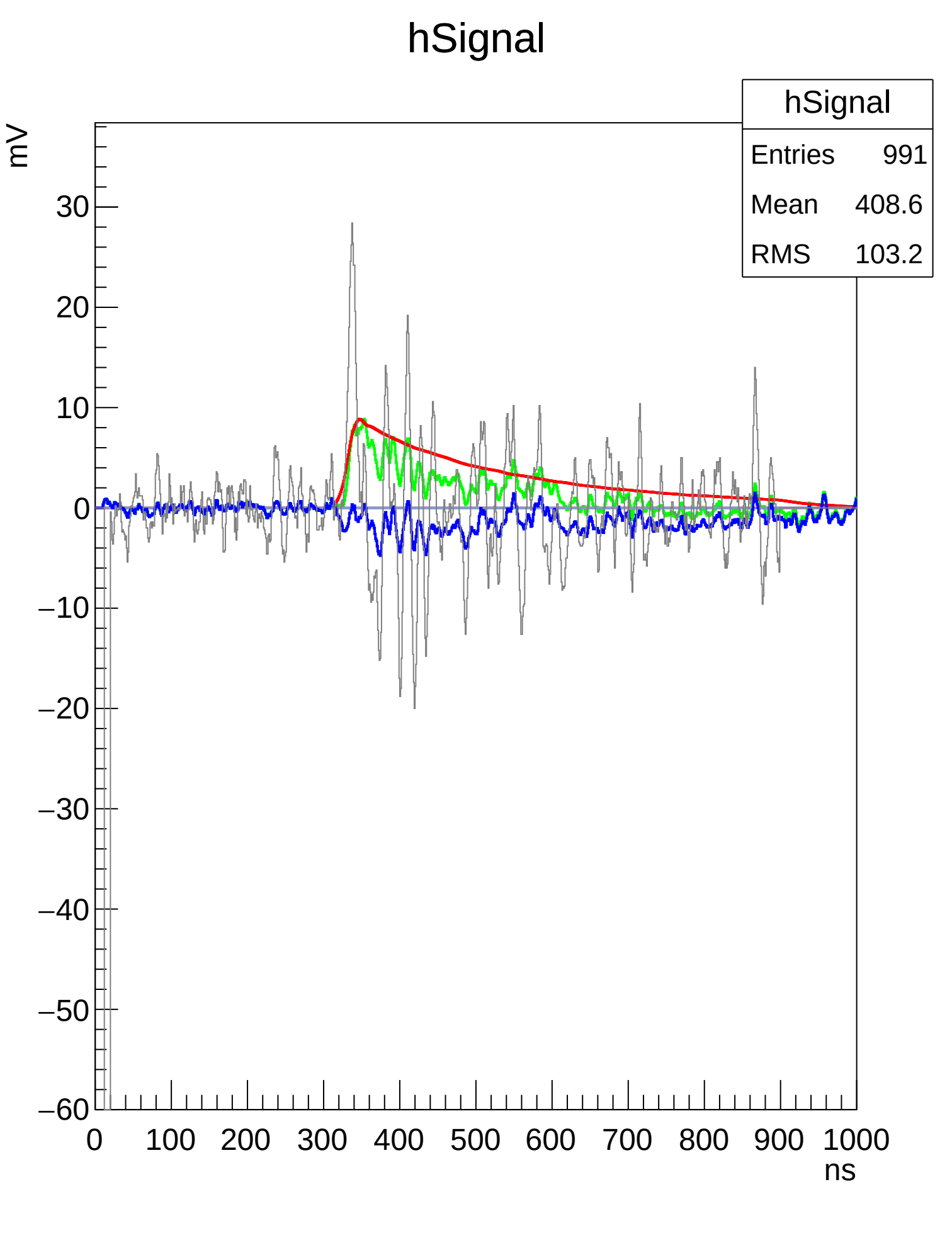
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 408.6
RMS 103.2
mV
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20
10
0
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−50
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0
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800
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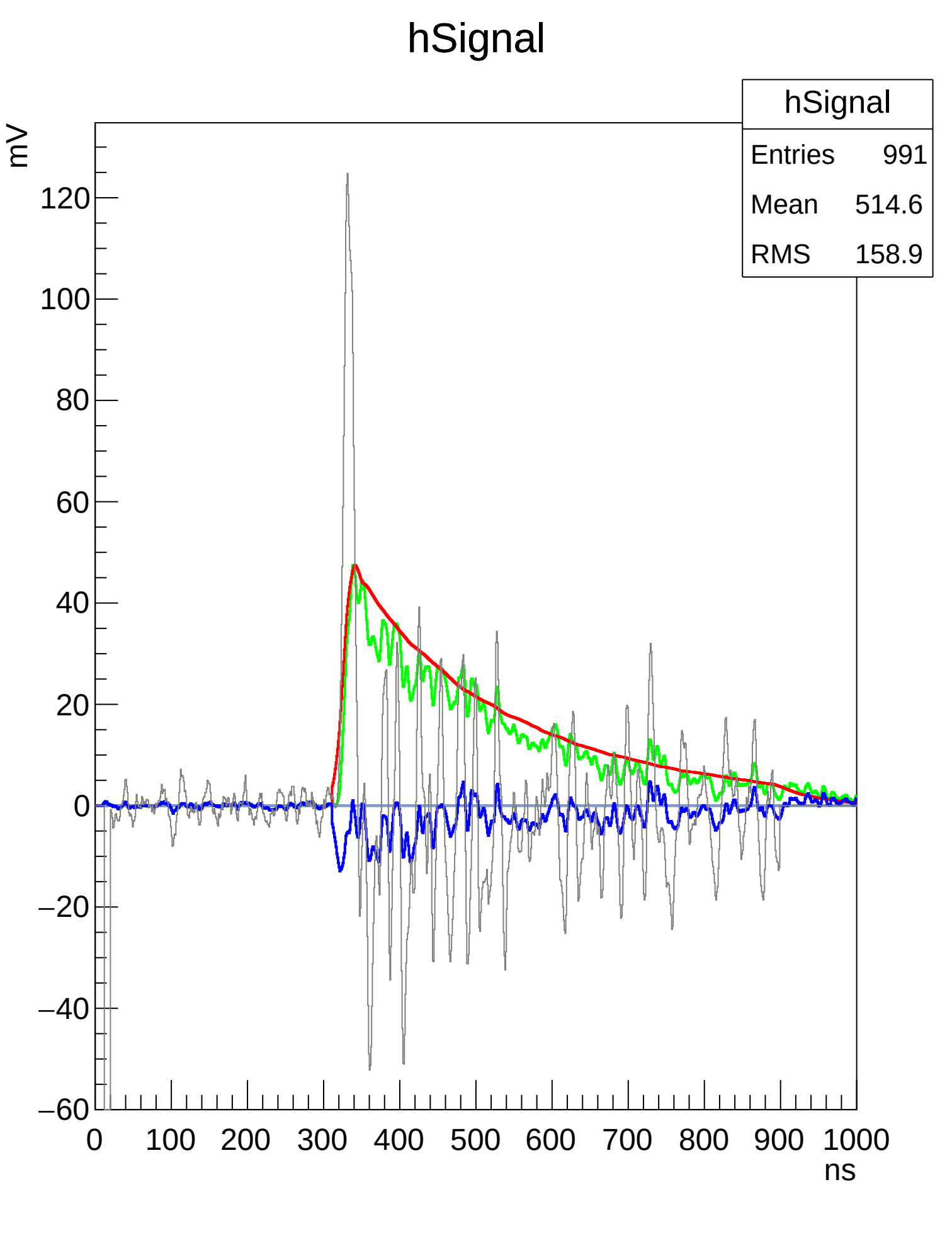
1000
ns


hSignal
hSignal
Entries 991
Mean 514.6
RMS 158.9
mV
120
100
80
60
40
20
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−20
−40
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0
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200
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400
500
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800
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1000
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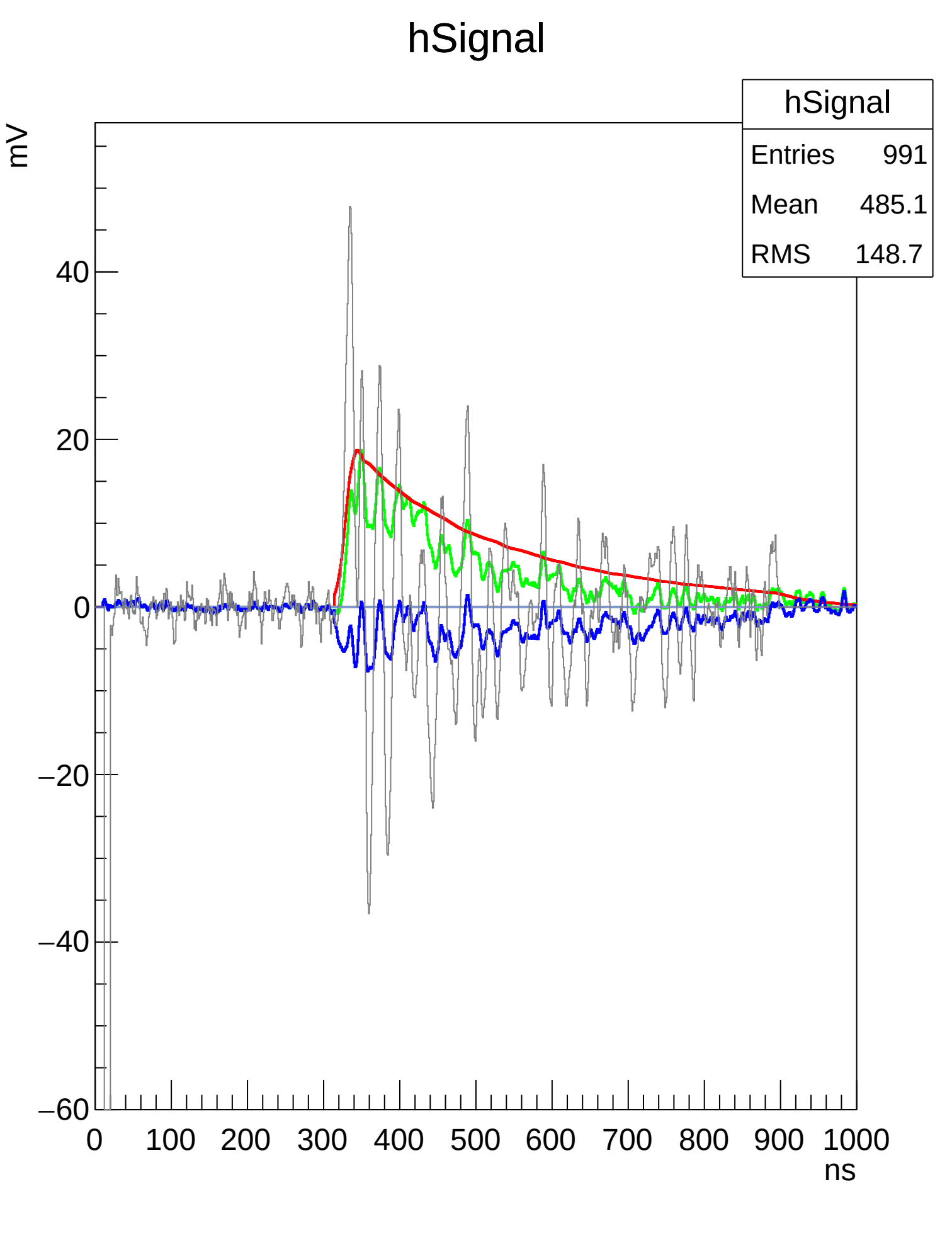
hSignal
hSignal
Entries 991
Mean 485.1
RMS 148.7
mV
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−20
−40
−60
0
100
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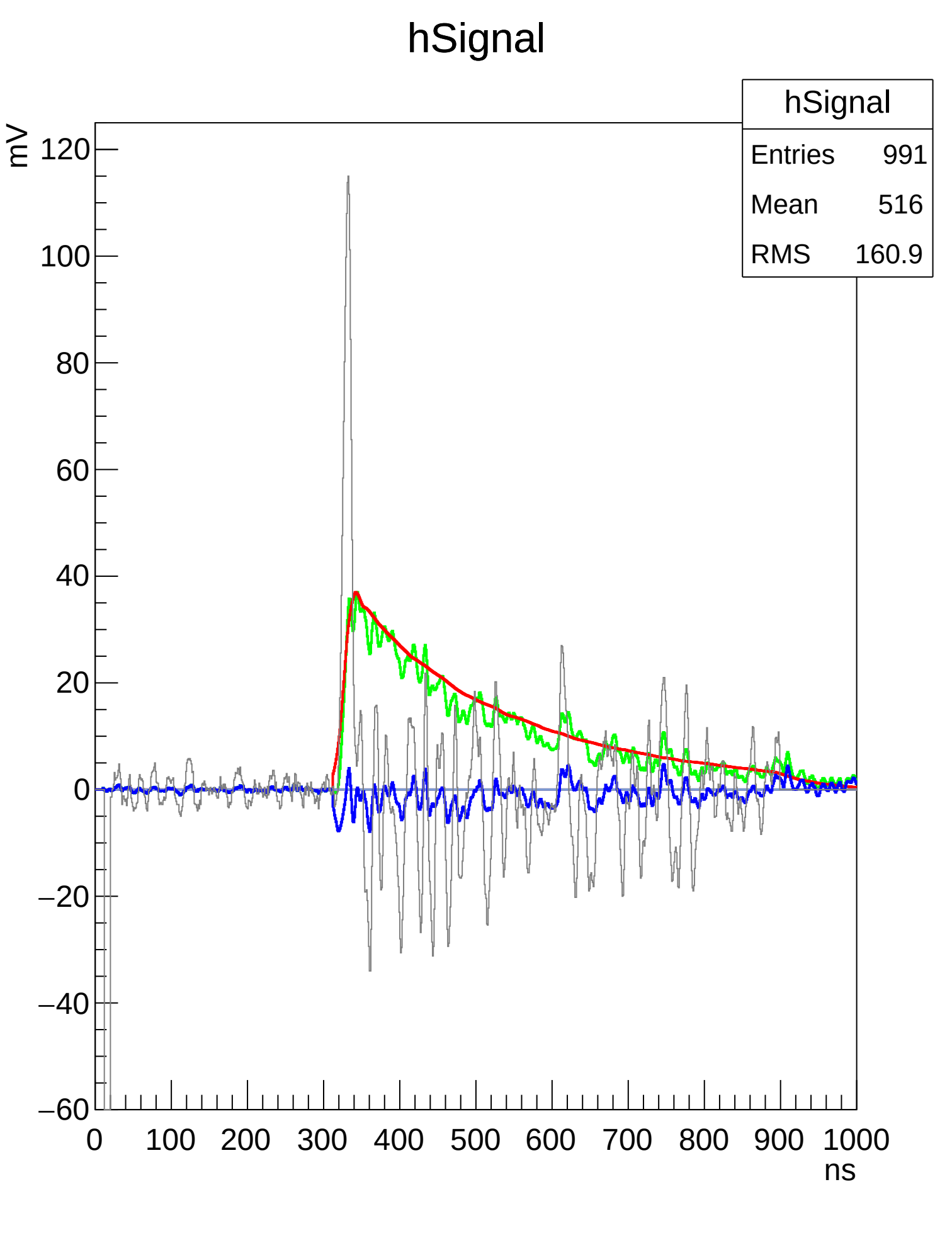
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 516
RMS 160.9
mV
120
100
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400
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1000
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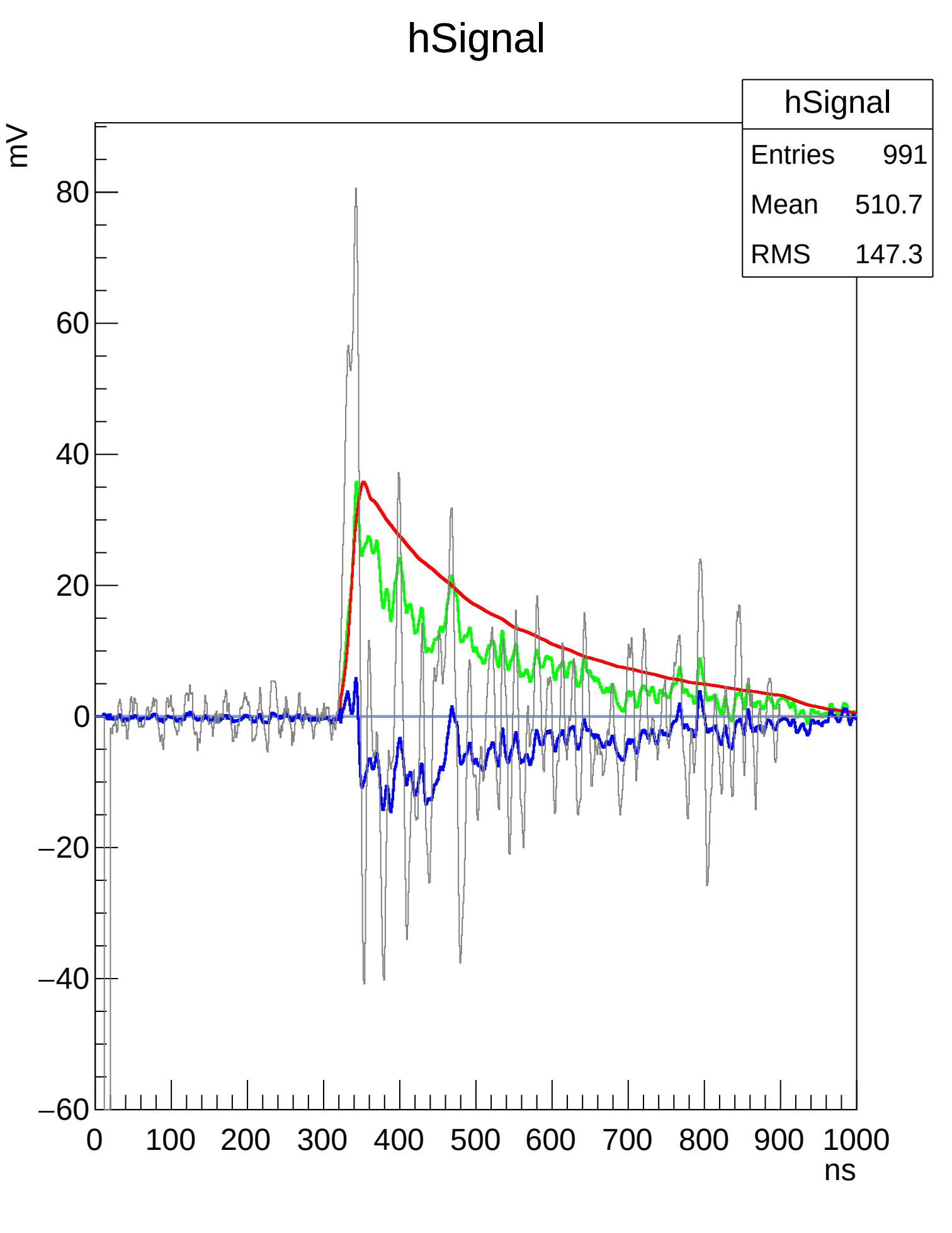
hSignal
hSignal
Entries 991
Mean 510.7
RMS 147.3
mV
80
60
40
20
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−20
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0
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200
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400
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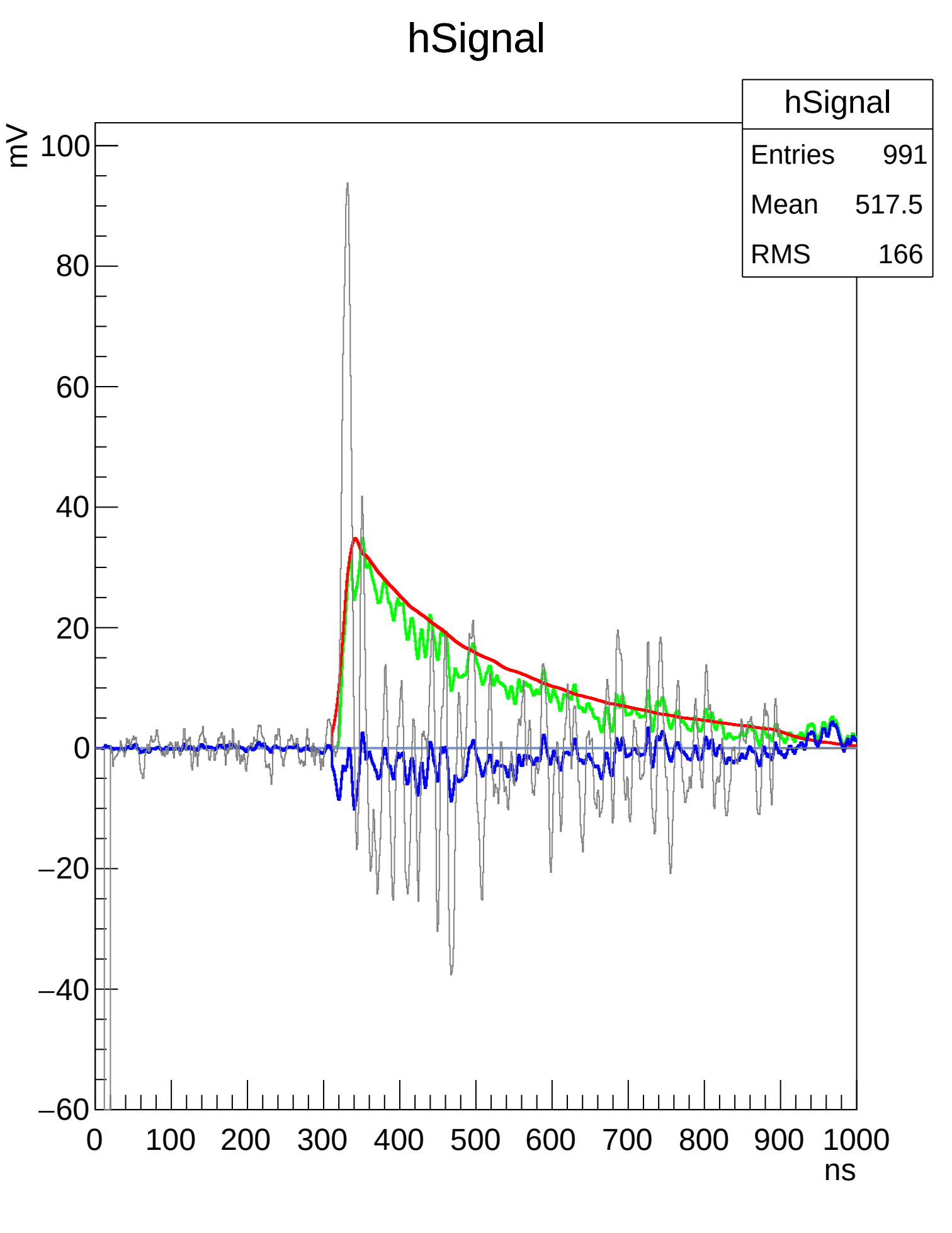
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 517.5
RMS 166
mV
100
80
60
40
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−20
−40
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0
100
200
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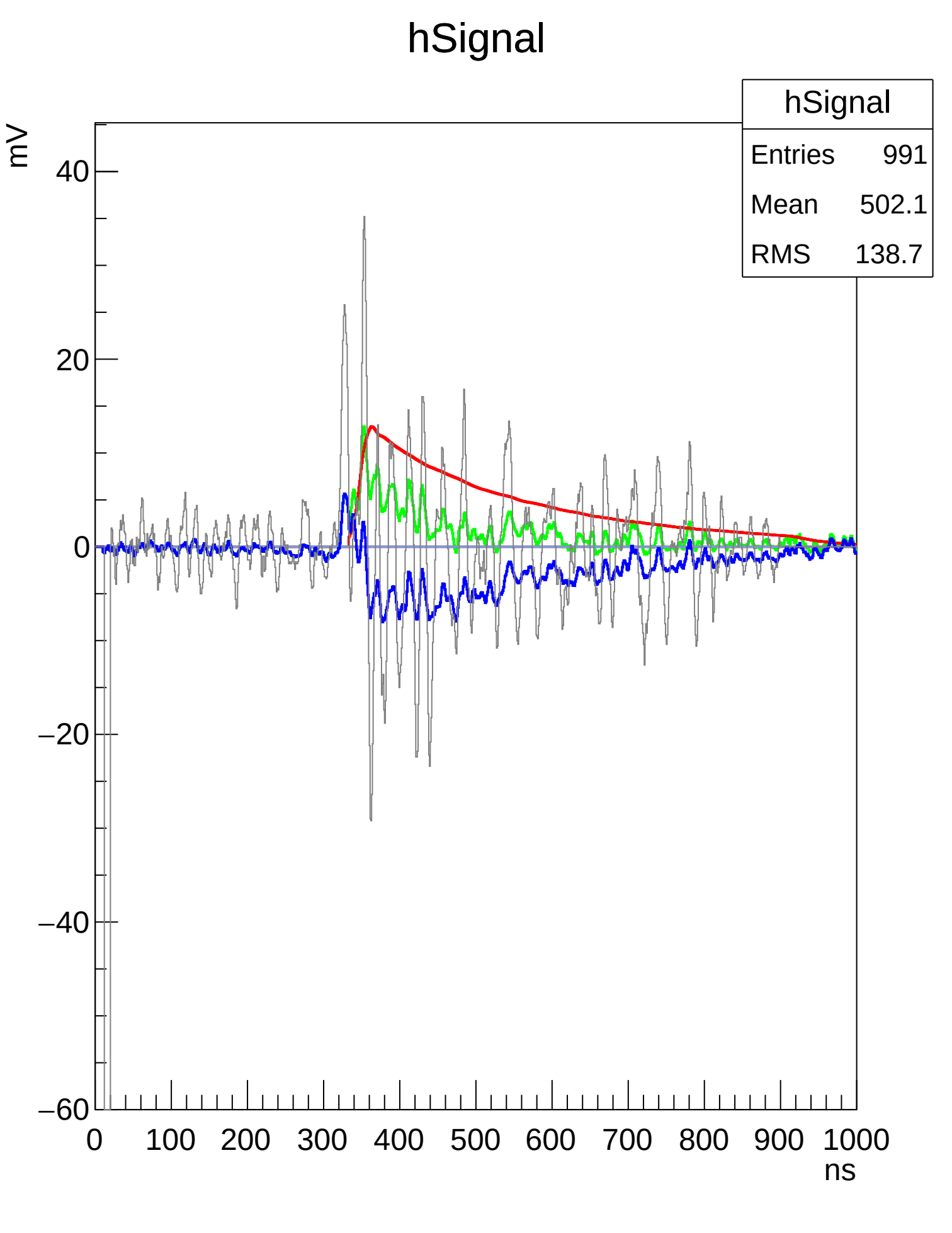
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.1
RMS 138.7
mV
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−20
−40
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0
100
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600
700
800
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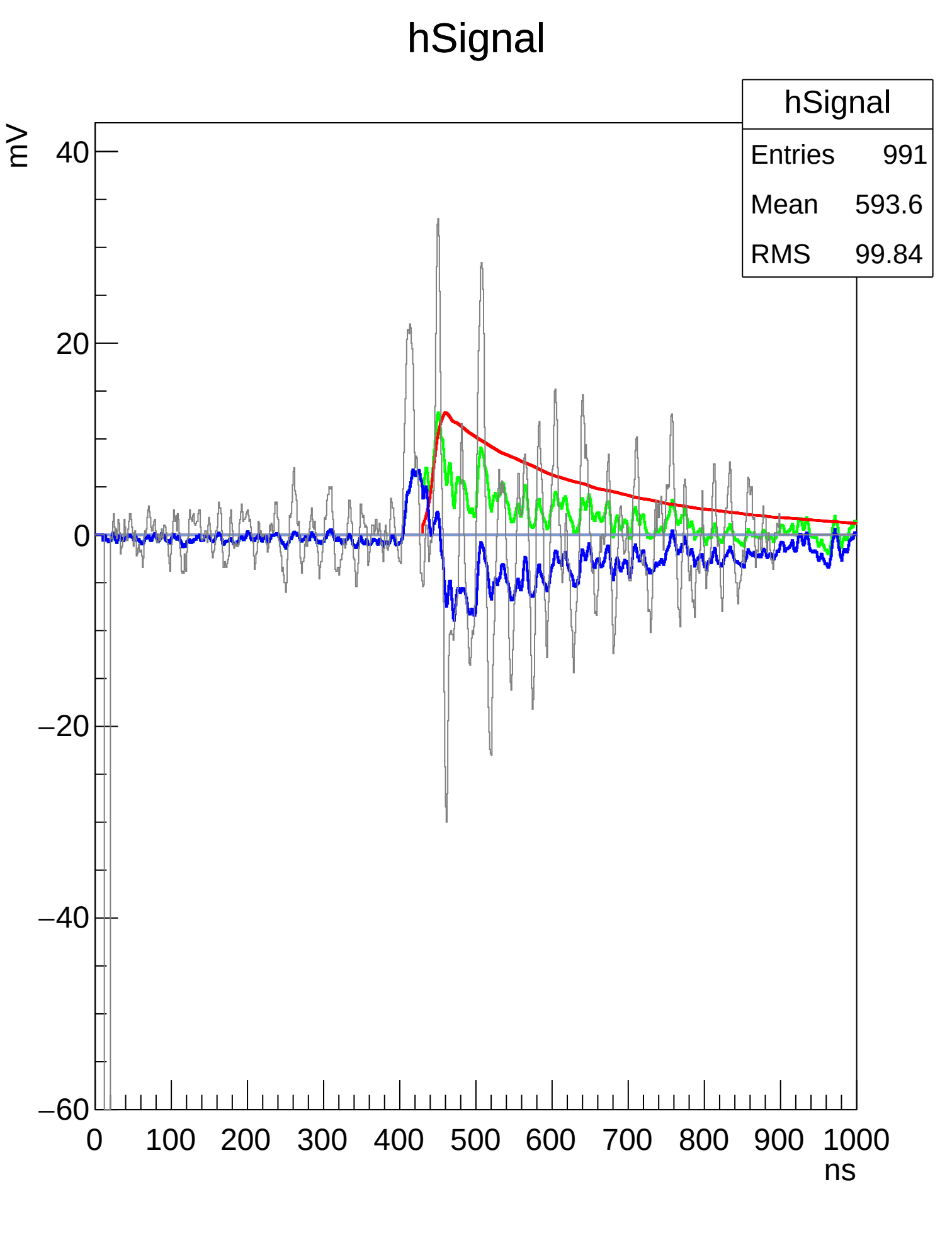
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 99.84
mV
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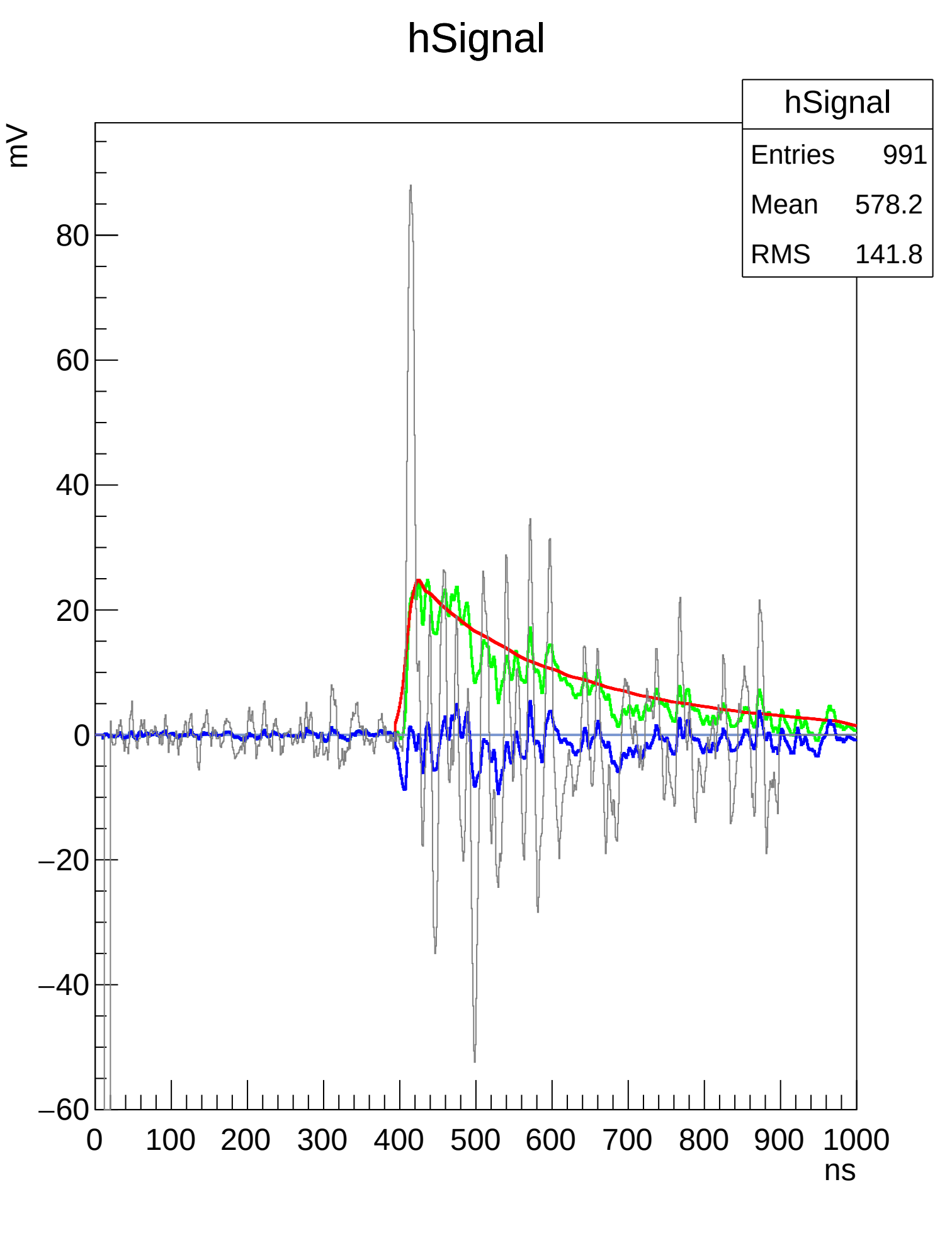
hSignal
hSignal
Entries 991
Mean 578.2
RMS 141.8
mV
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400
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800
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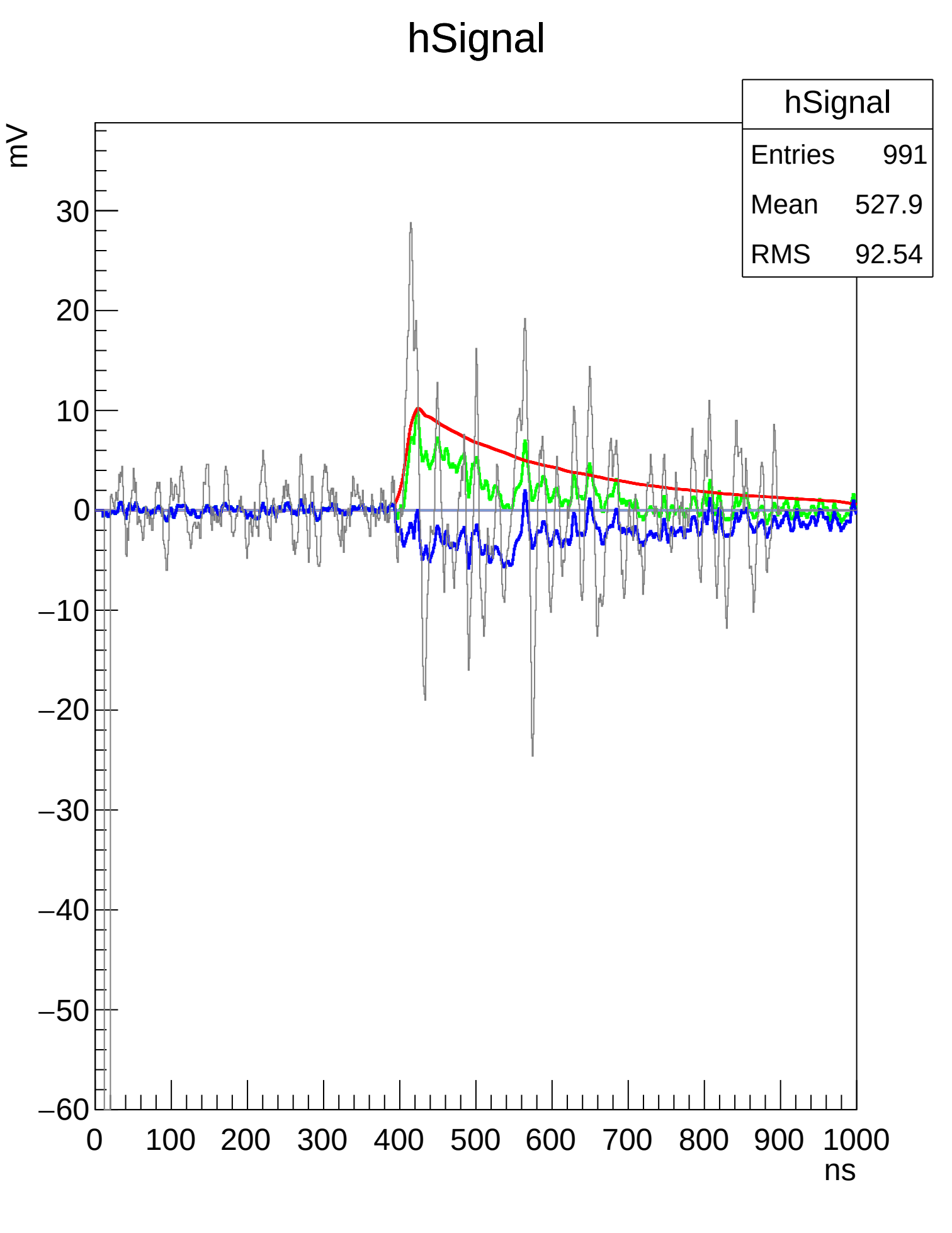
hSignal
hSignal
Entries 991
Mean 527.9
RMS 92.54
mV
30
20
10
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400
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1000
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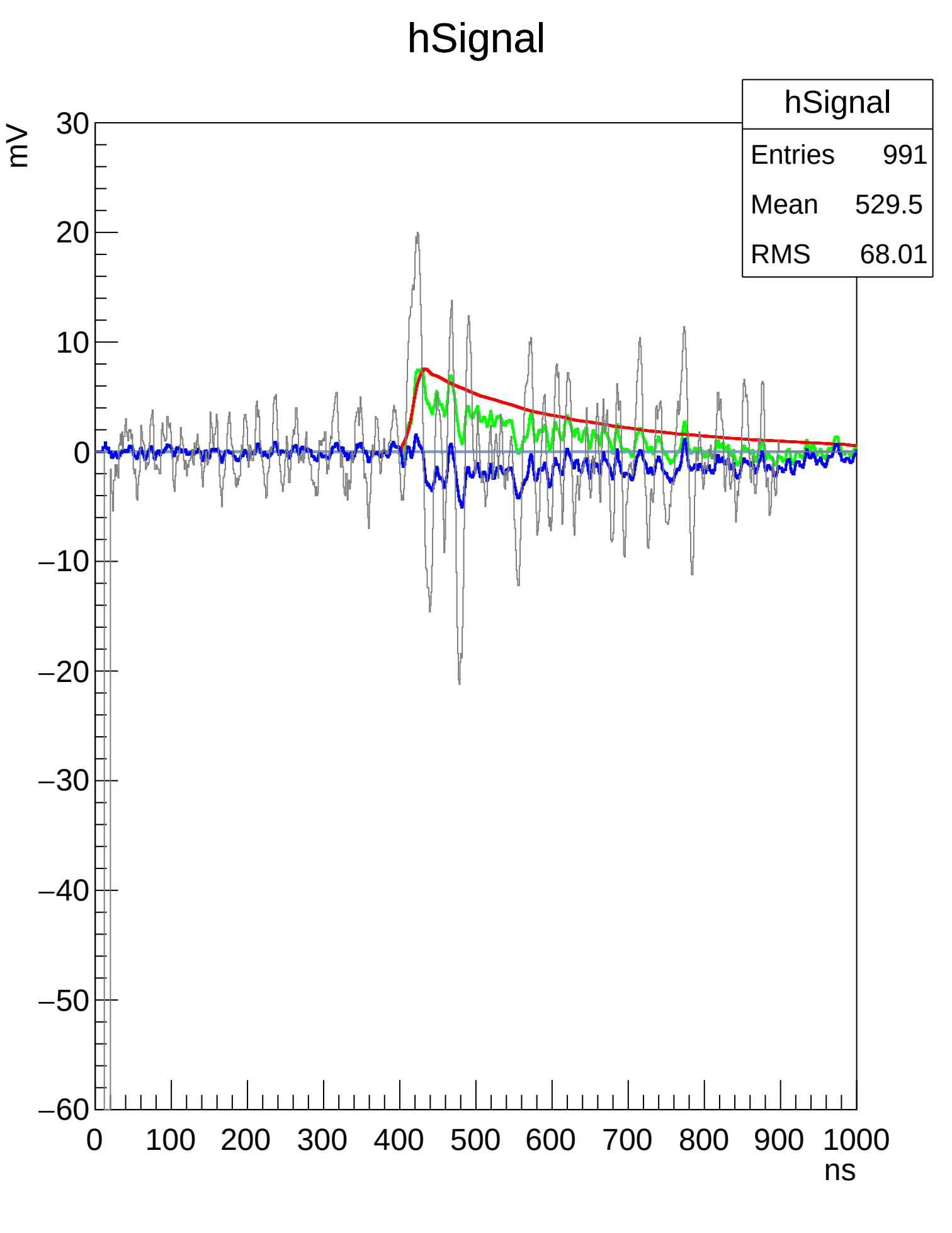
hSignal
hSignal
Entries 991
Mean 529.5
RMS 68.01
mV
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10
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−50
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400
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1000
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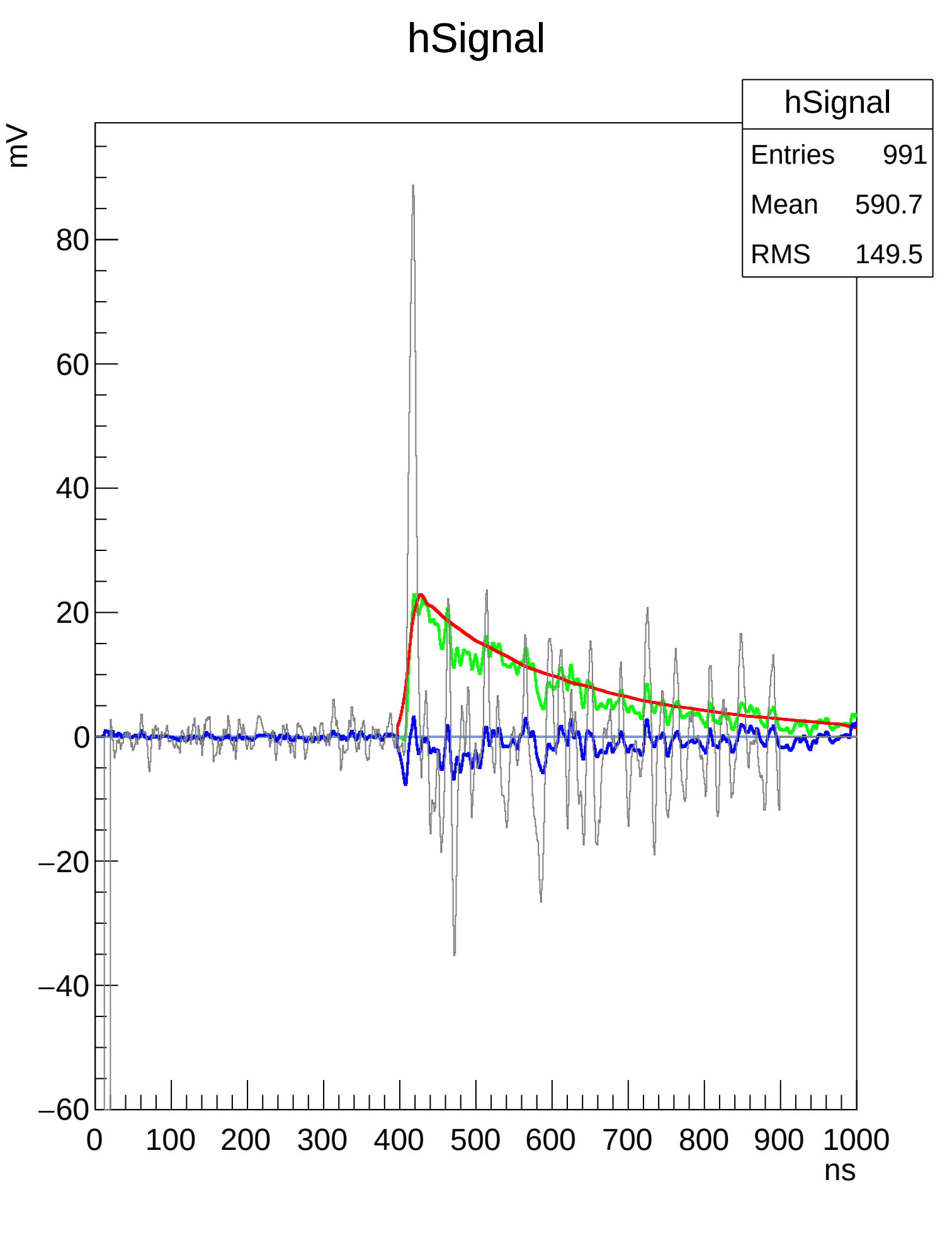
hSignal
hSignal
Entries 991
Mean 590.7
RMS 149.5
mV
80
60
40
20
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−20
−40
−60
0
100
200
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400
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1000
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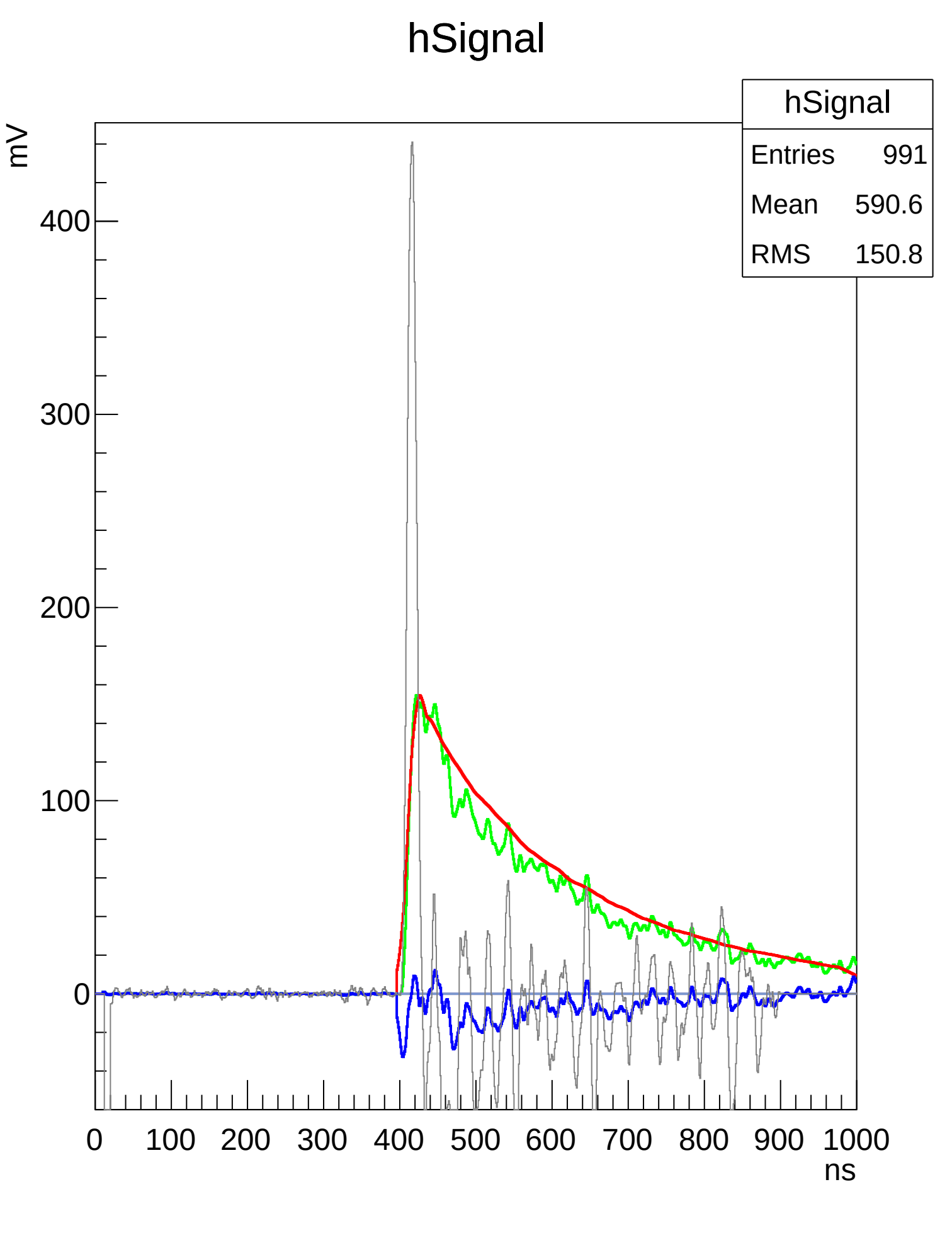
hSignal
hSignal
Entries 991
Mean 590.6
RMS 150.8
mV
400
300
200
100
0
0
100
200
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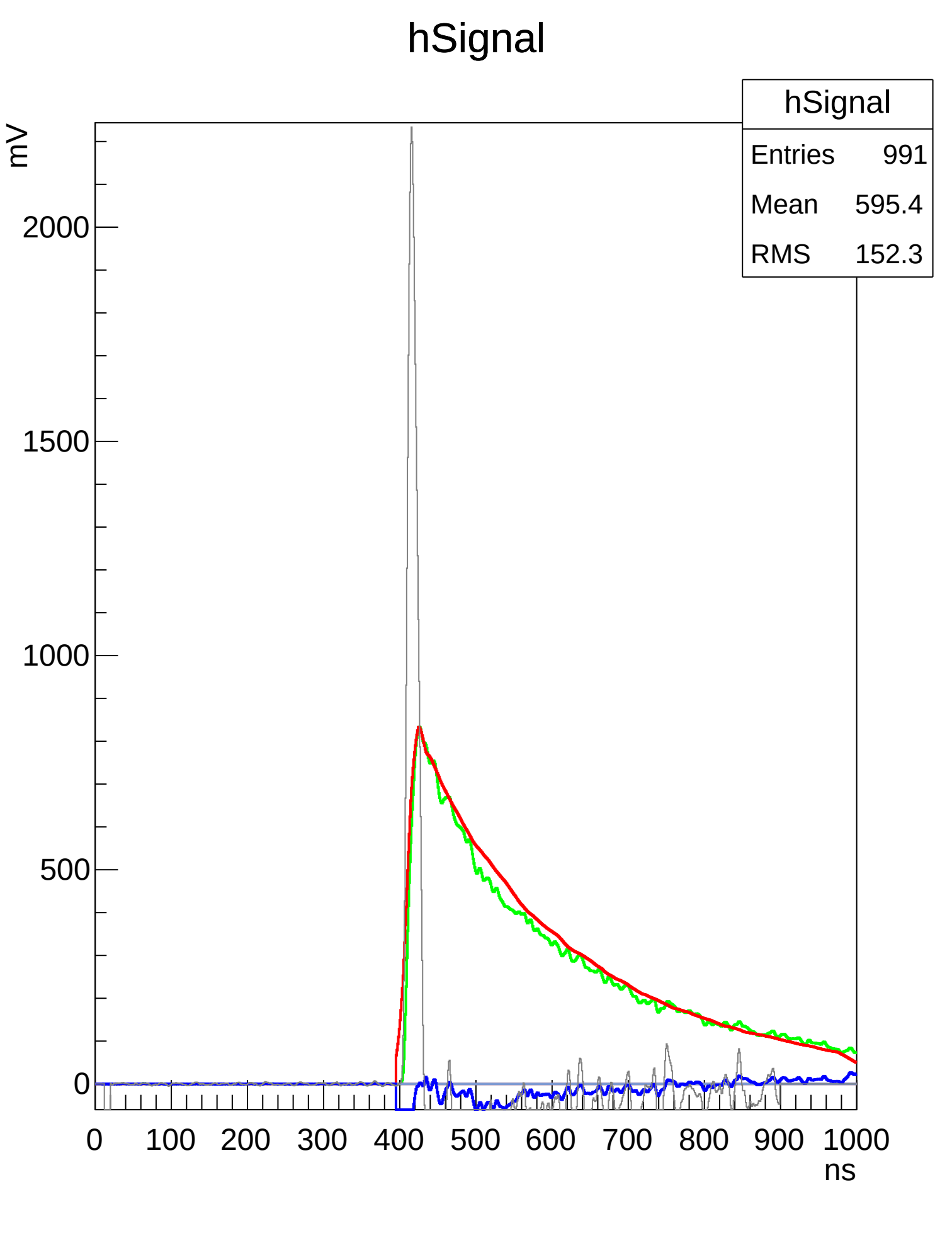
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.4
RMS 152.3
mV
2000
1500
1000
500
0
0
100
200
300
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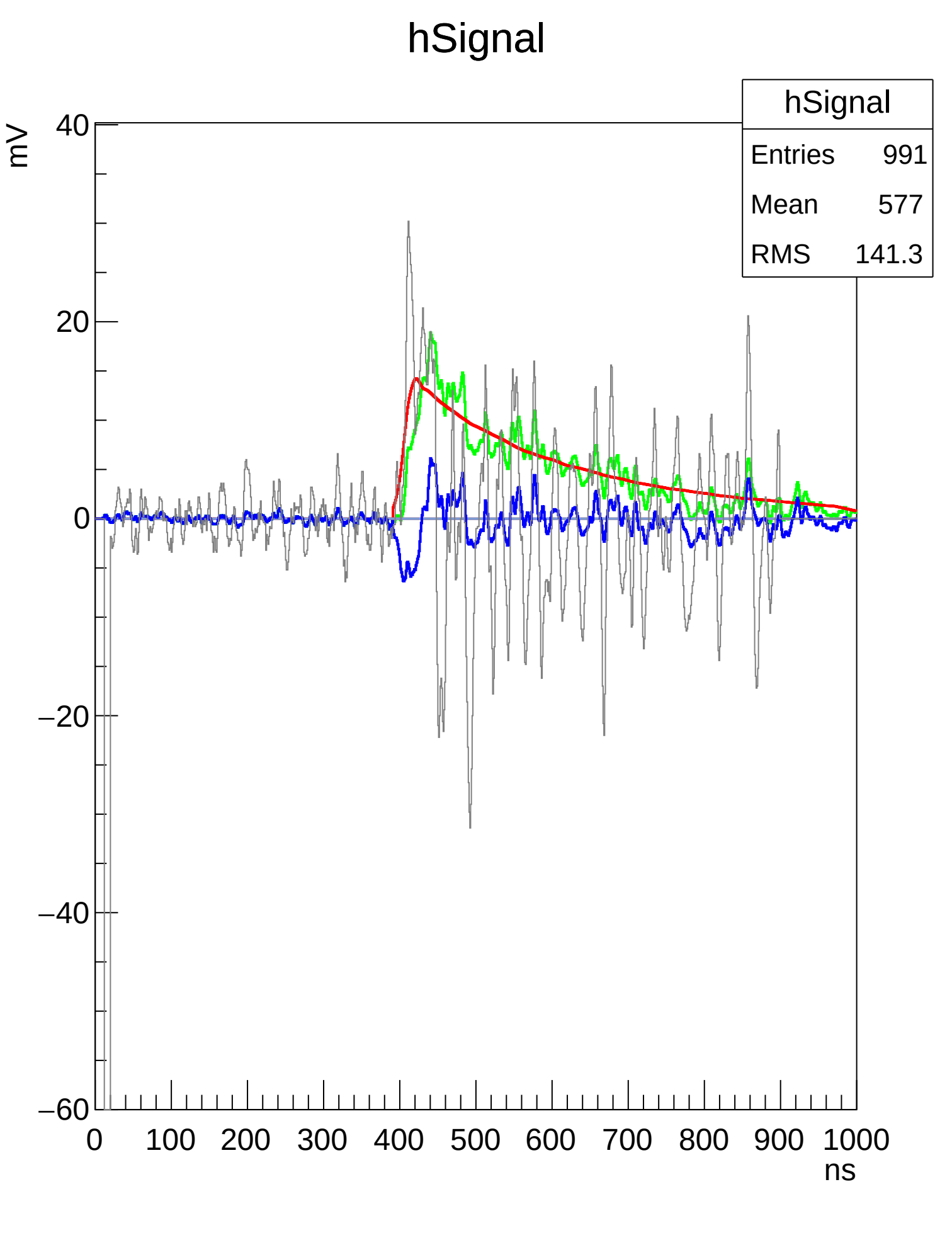
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577
RMS 141.3
mV
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−20
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1000
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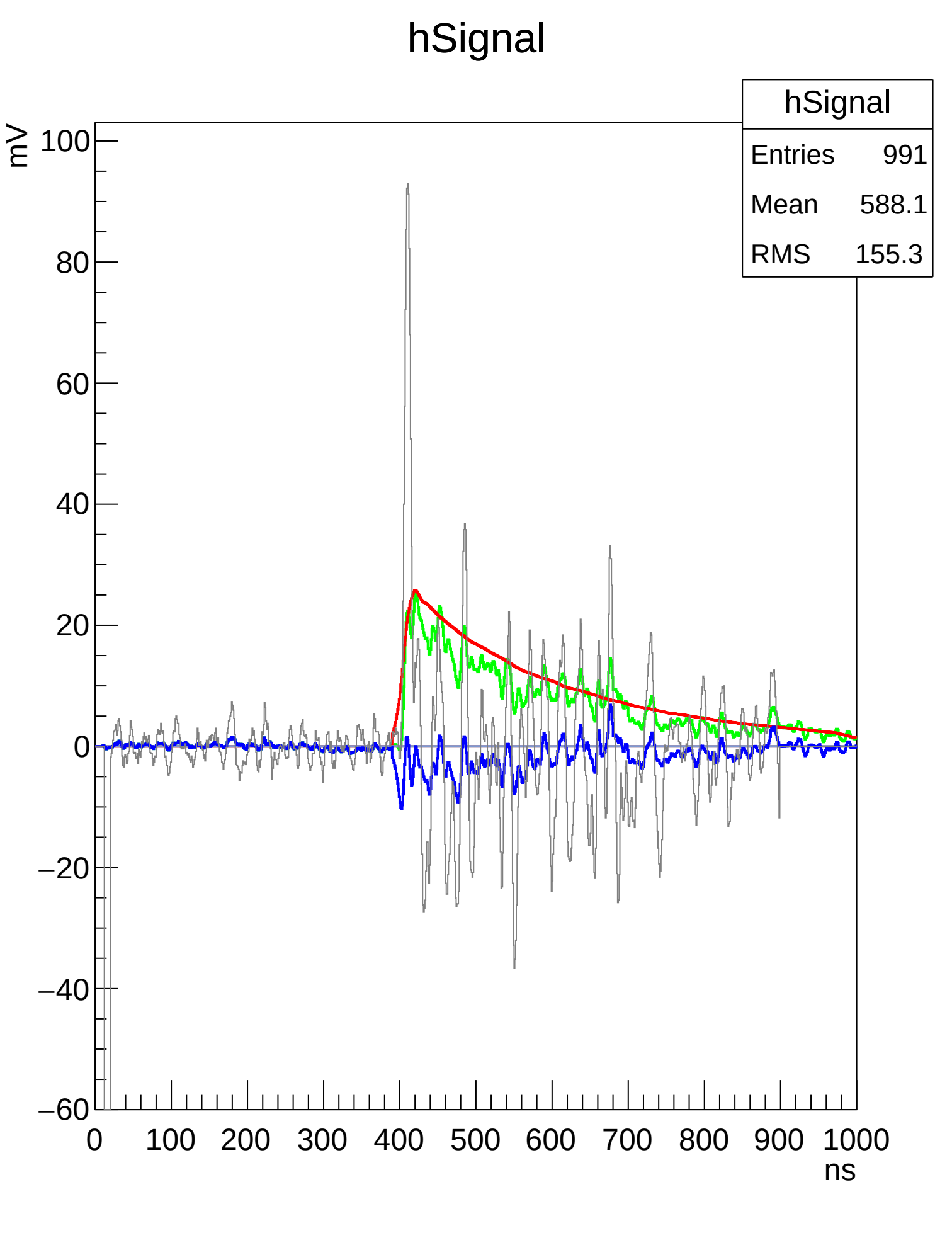
hSignal
hSignal
Entries 991
Mean 588.1
RMS 155.3
mV
100
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400
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1000
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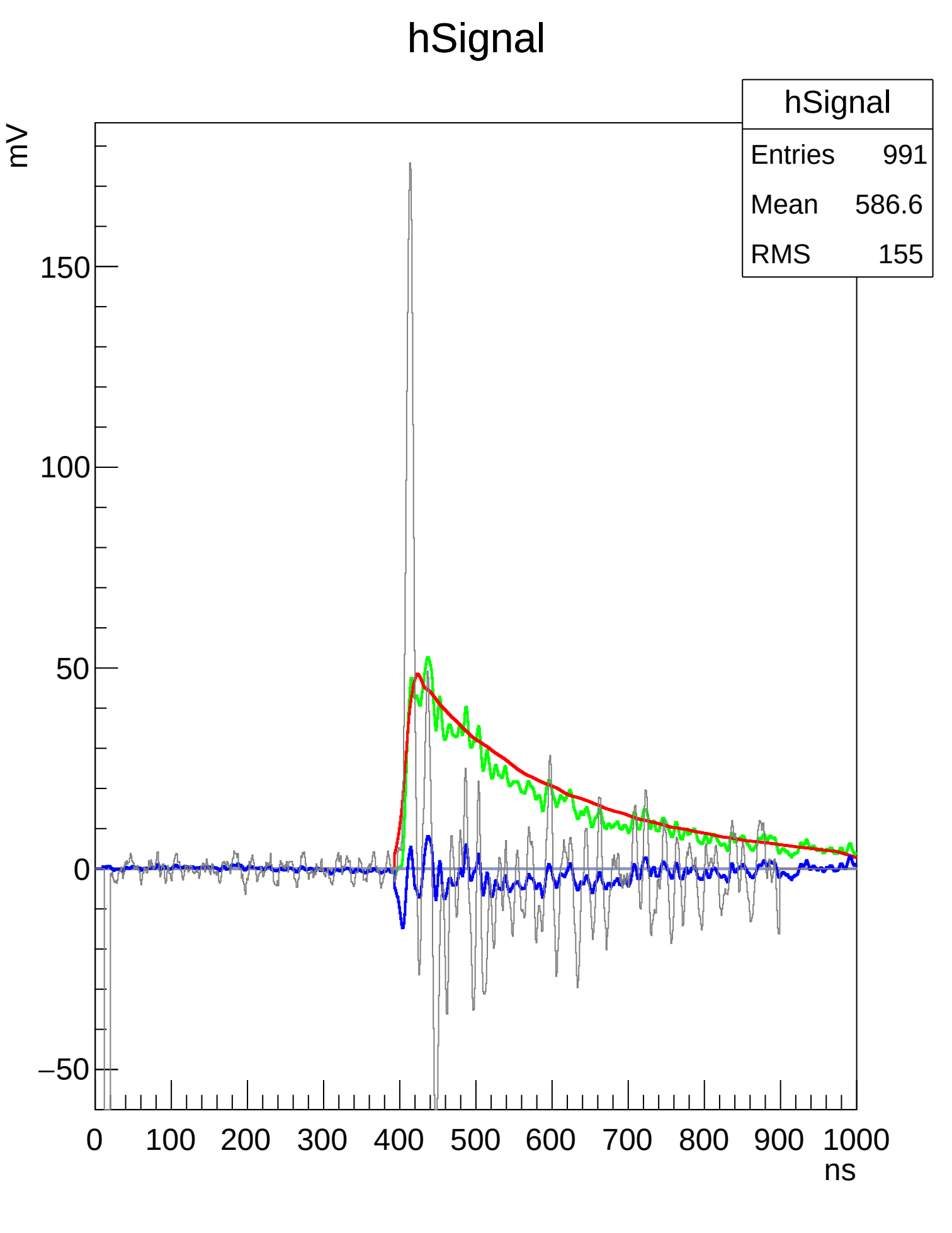
hSignal
hSignal
Entries 991
Mean 586.6
RMS 155
mV
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100
50
0
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0
100
200
300
400
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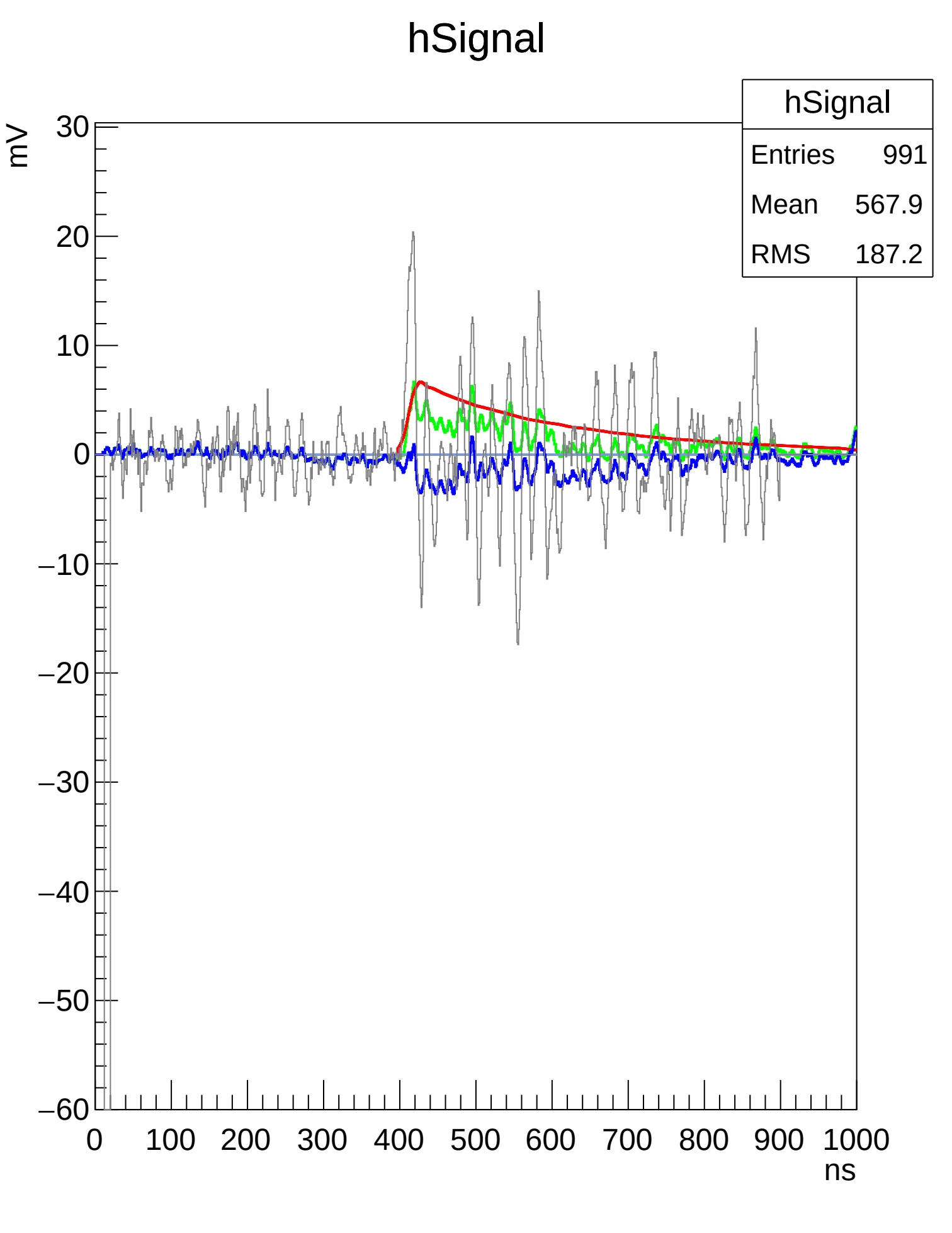
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.9
RMS 187.2
mV
30
20
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0
100
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400
500
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800
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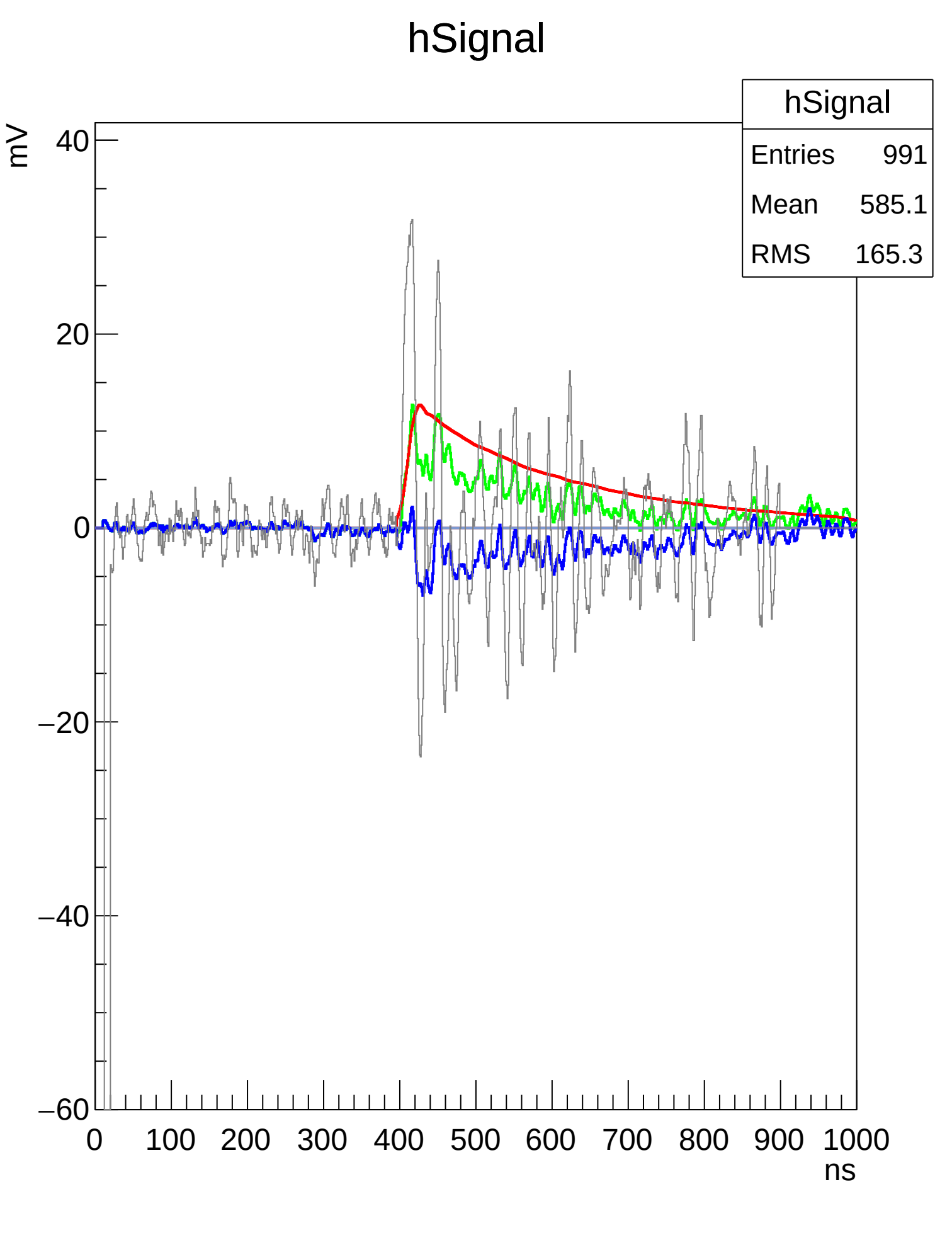
1000
ns


hSignal
hSignal
Entries 991
Mean 585.1
RMS 165.3
mV
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−20
−40
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0
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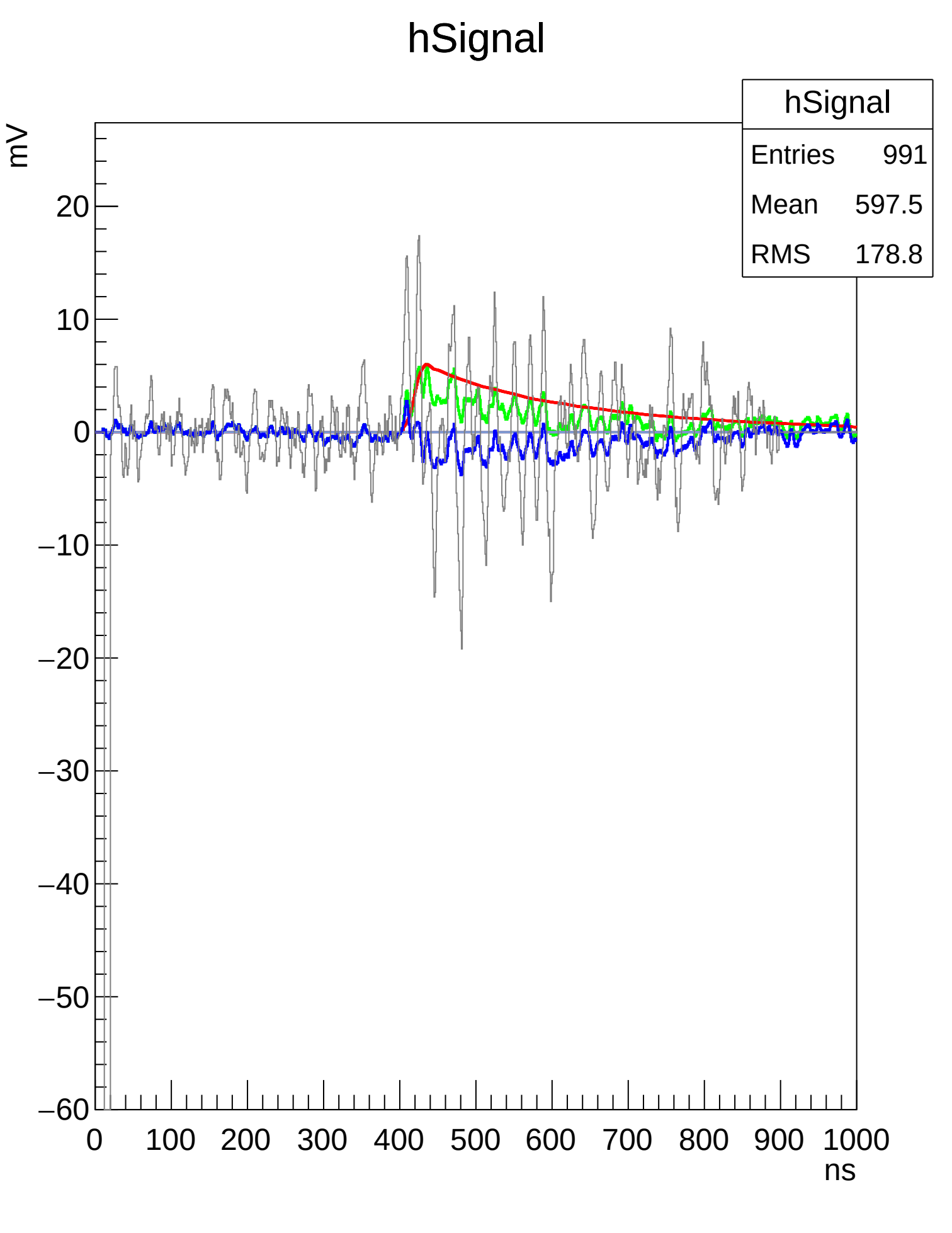
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.5
RMS 178.8
mV
20
10
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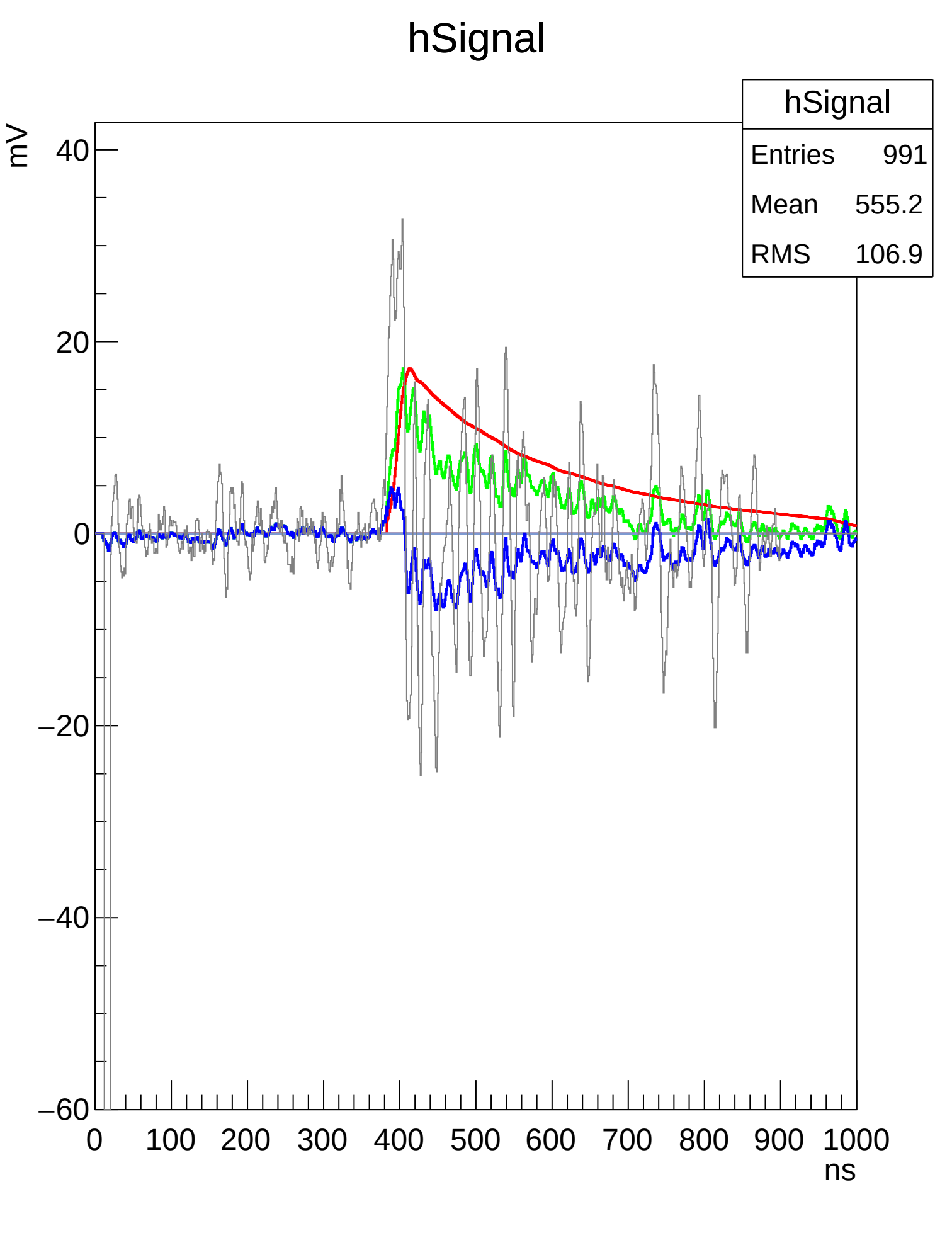
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.2
RMS 106.9
mV
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−20
−40
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0
100
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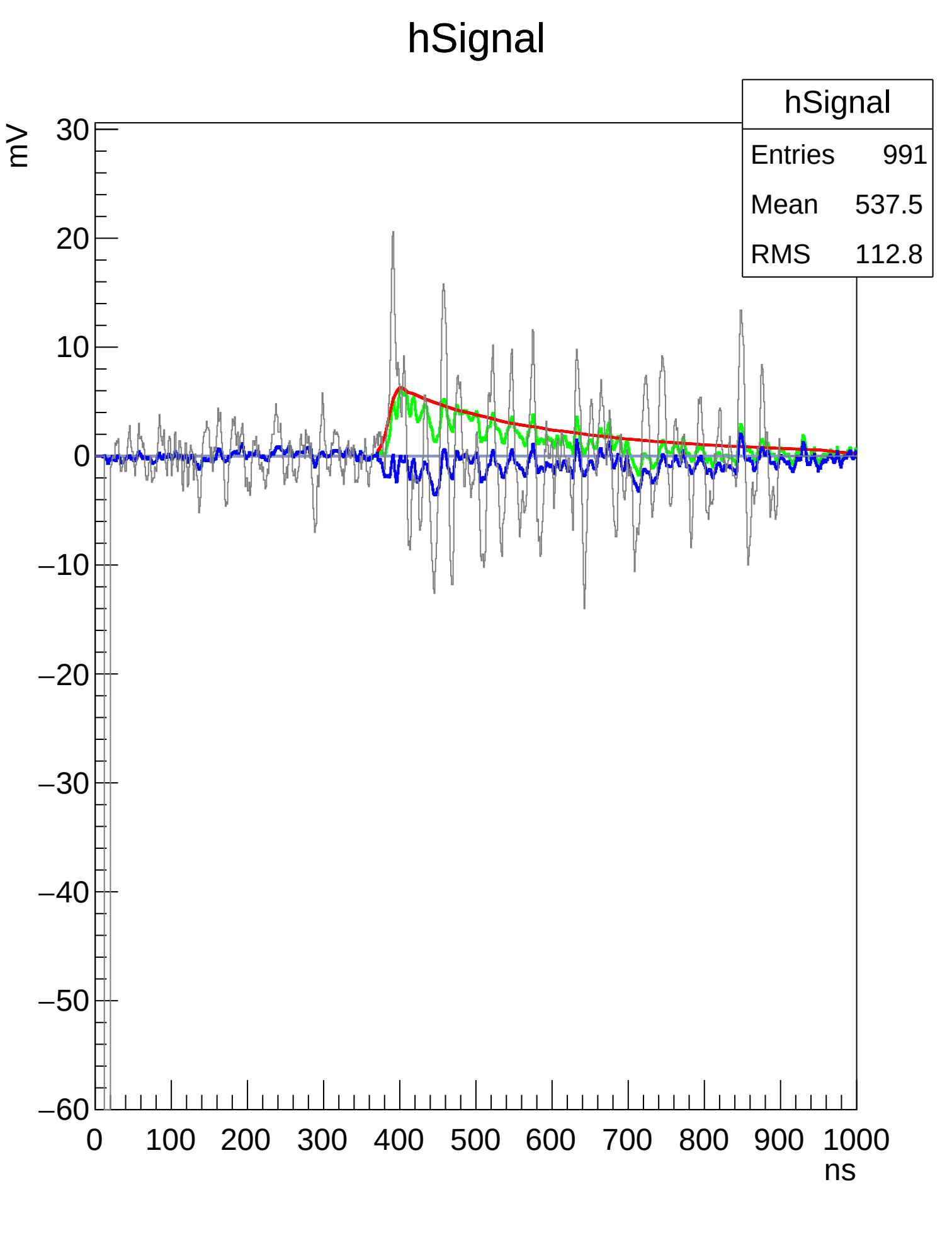
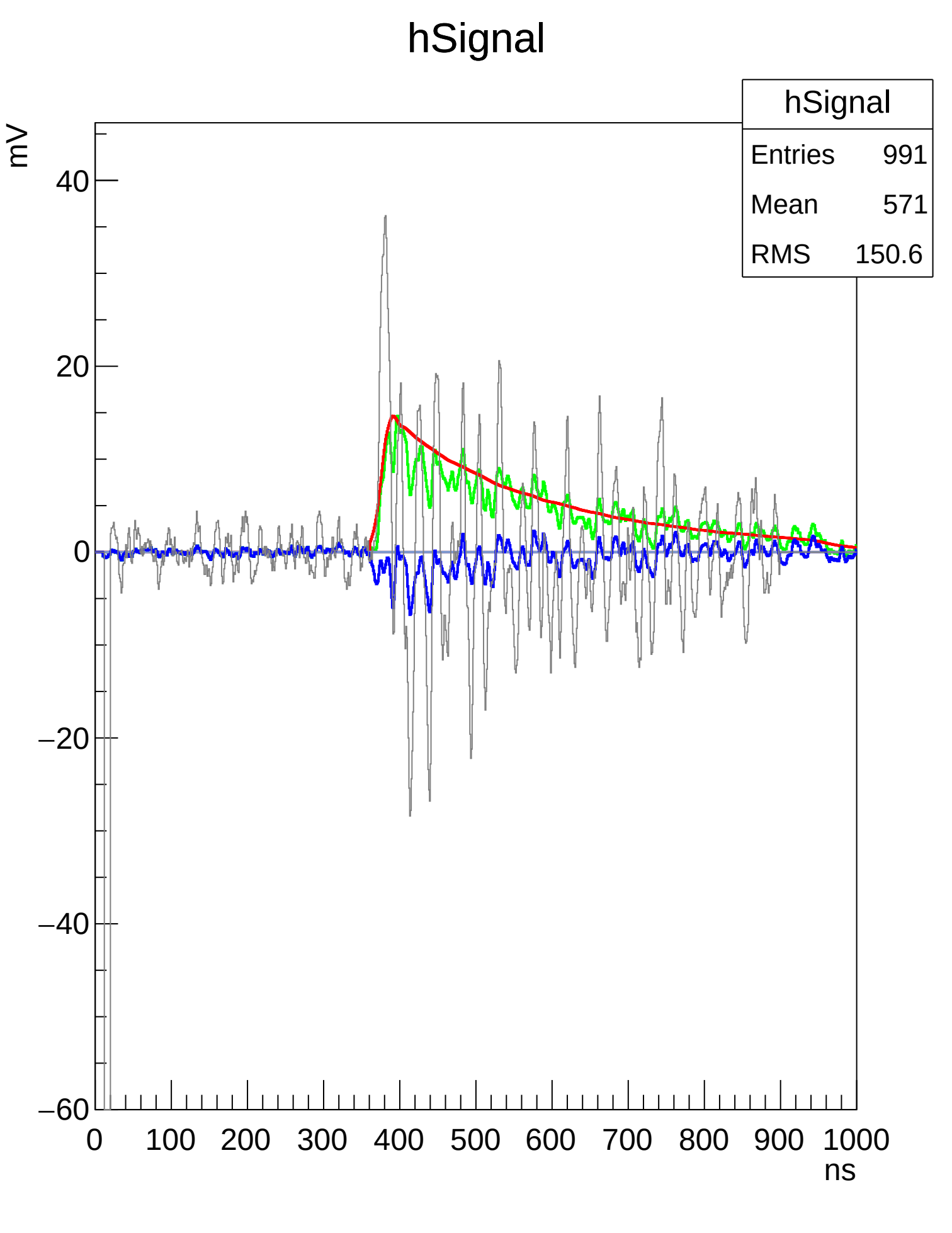
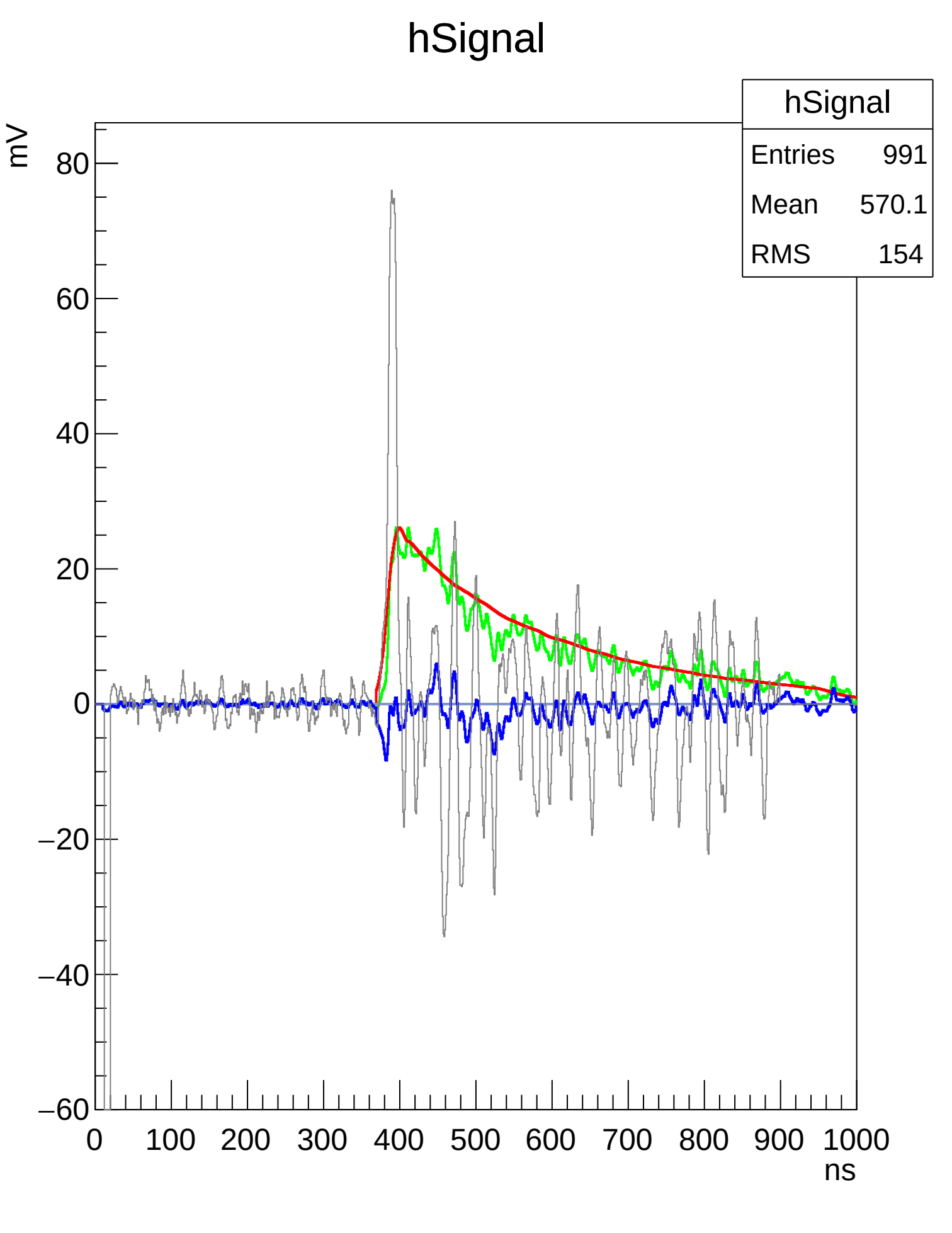
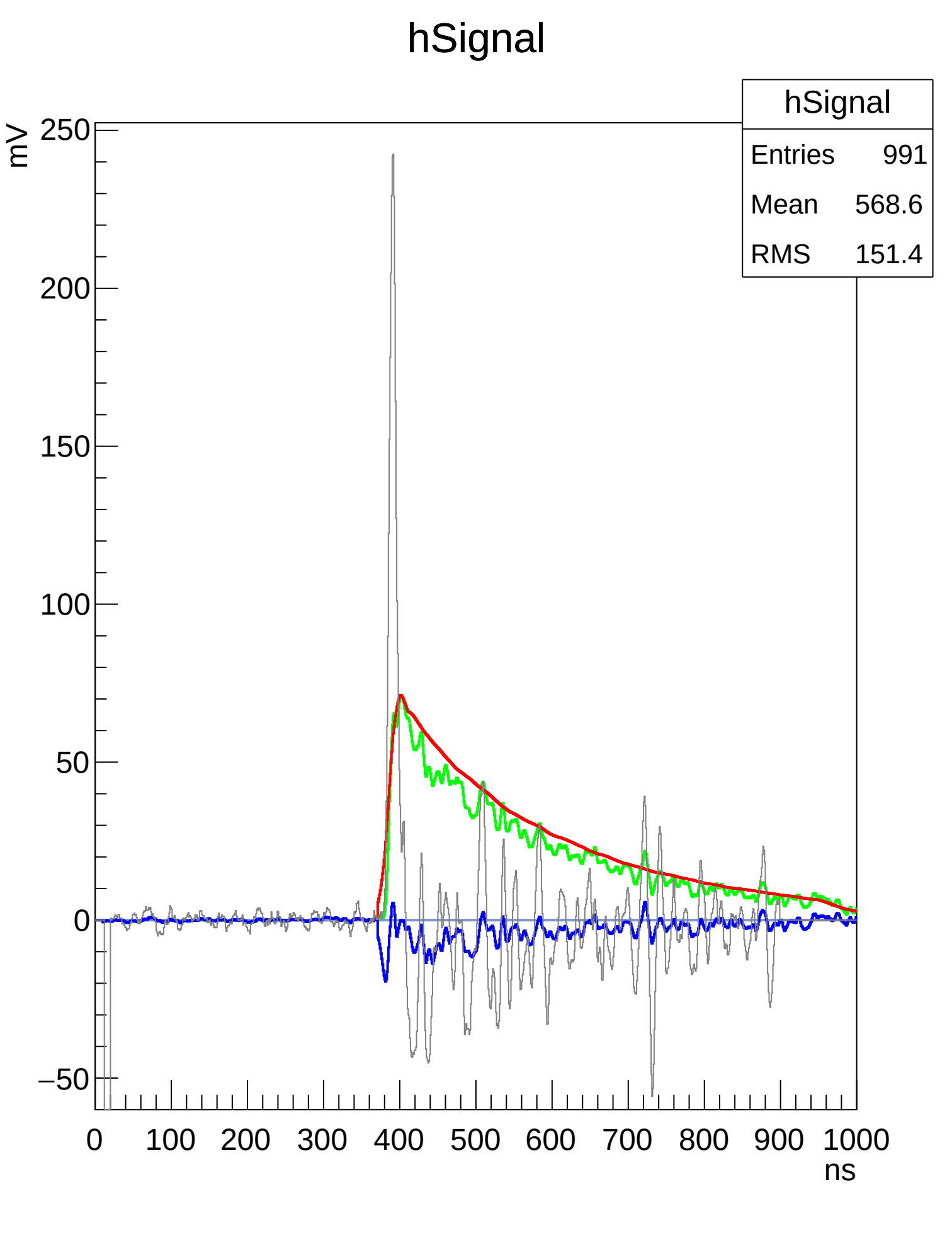
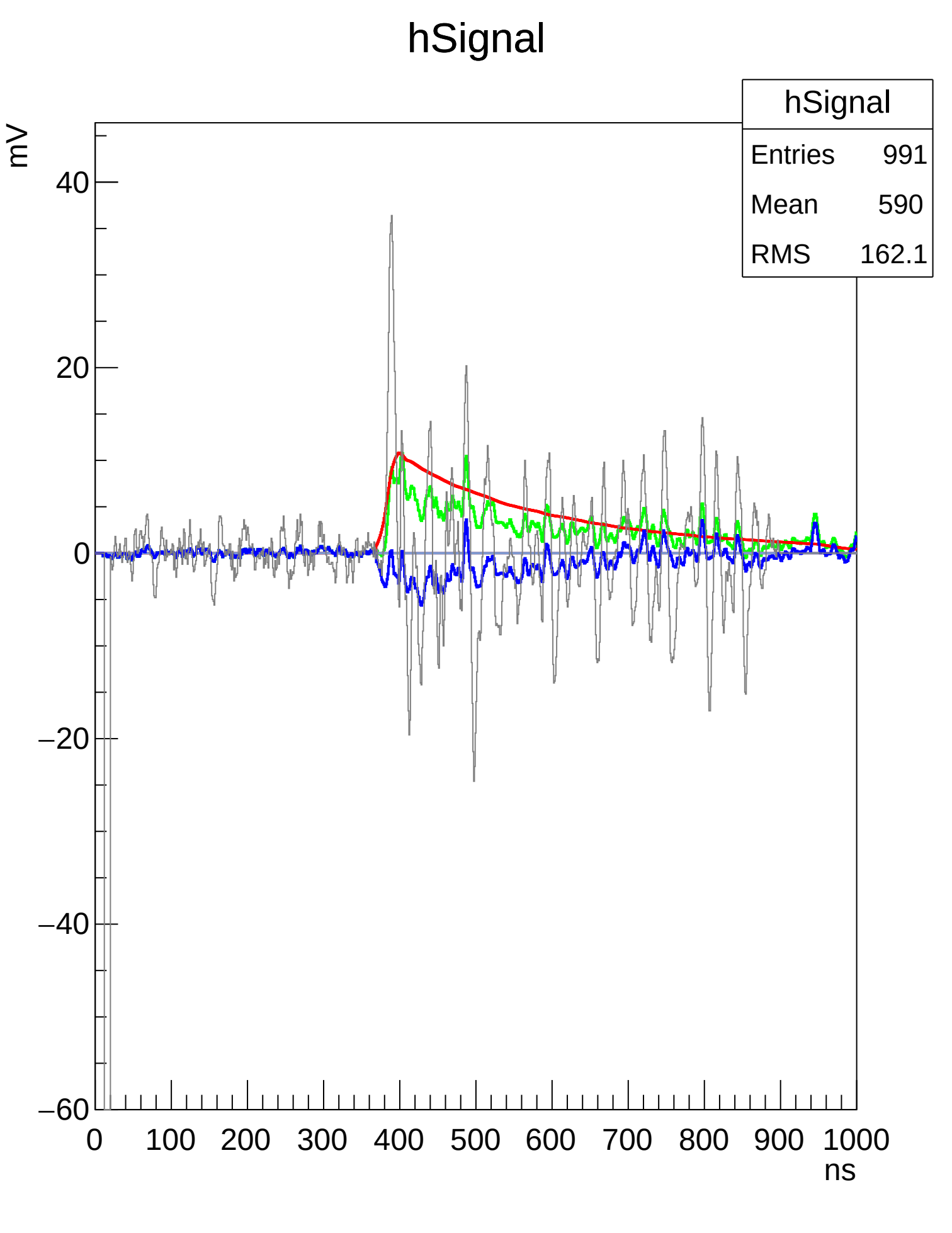
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.5
RMS 112.8
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571
RMS 150.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.1
RMS 154
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 568.6
RMS 151.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 590
RMS 162.1
mV
40
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0
−20
−40
−60
0
100
200
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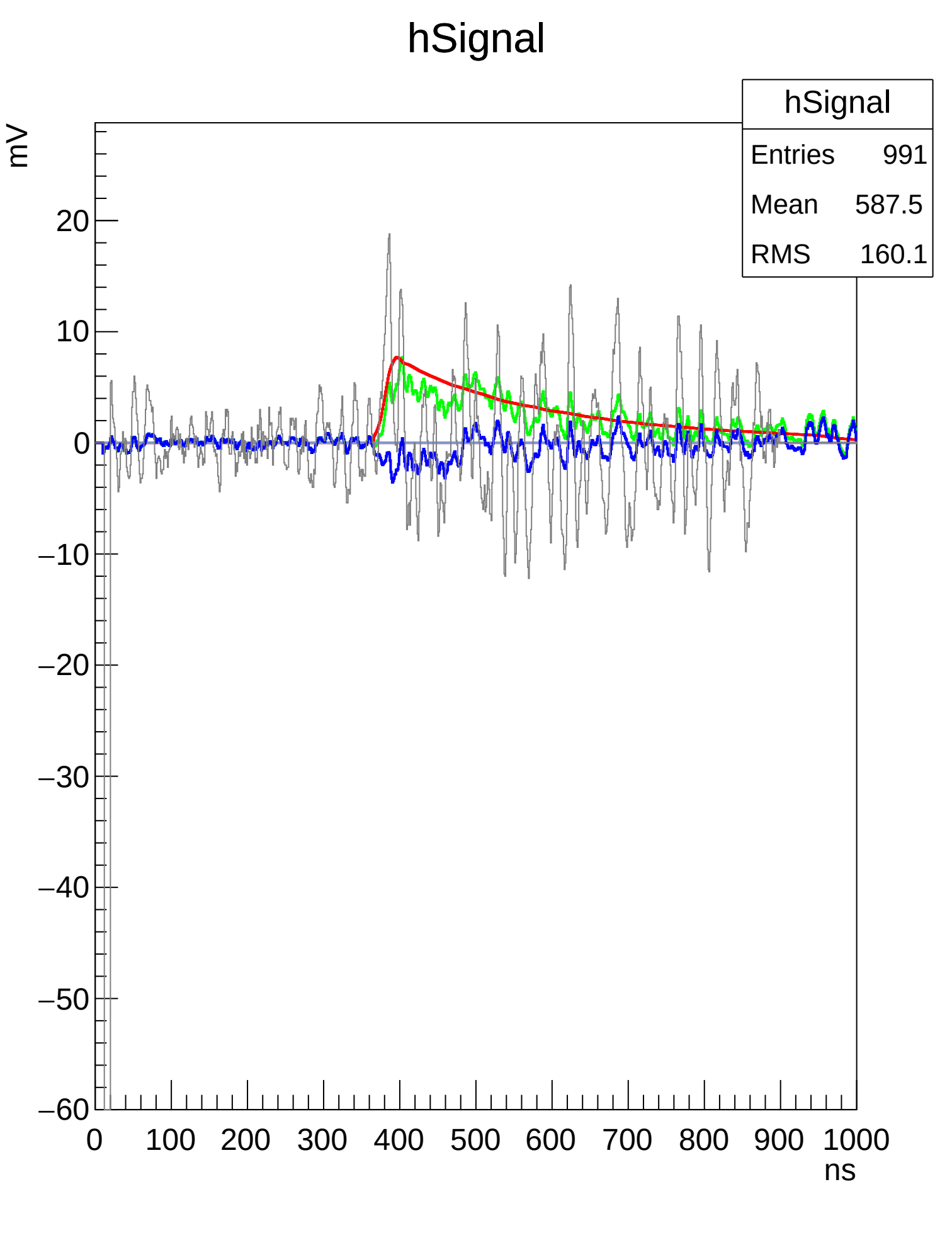
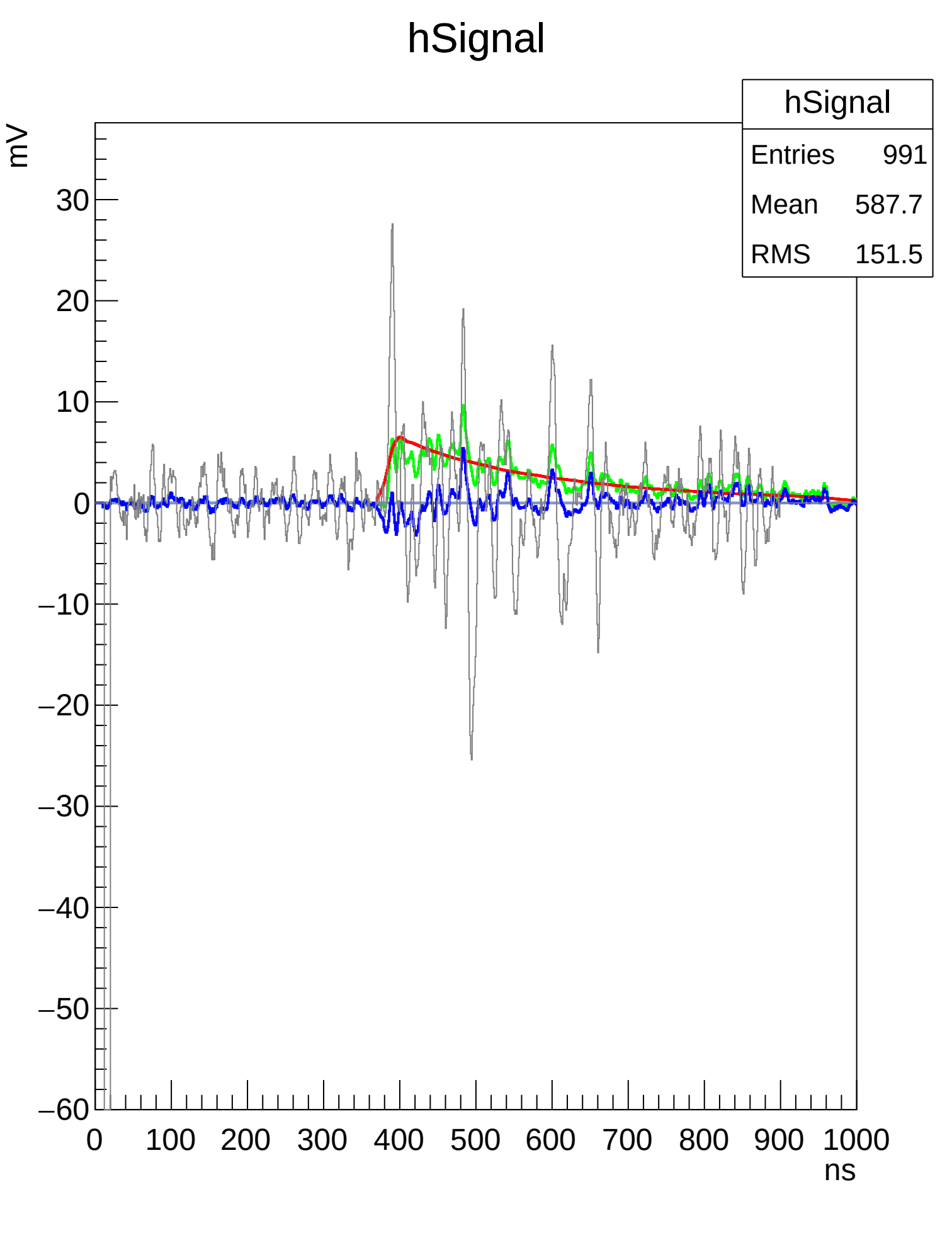
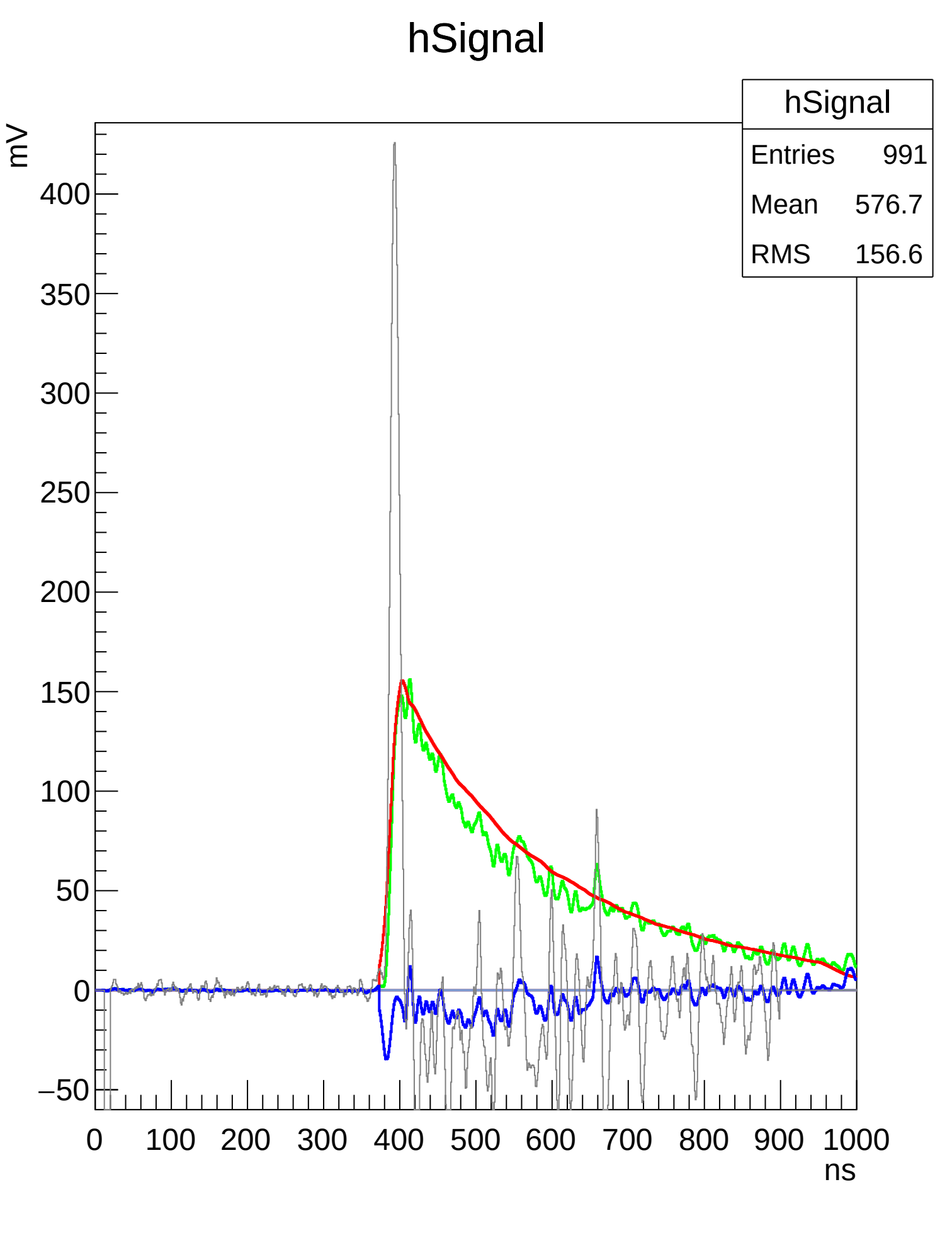
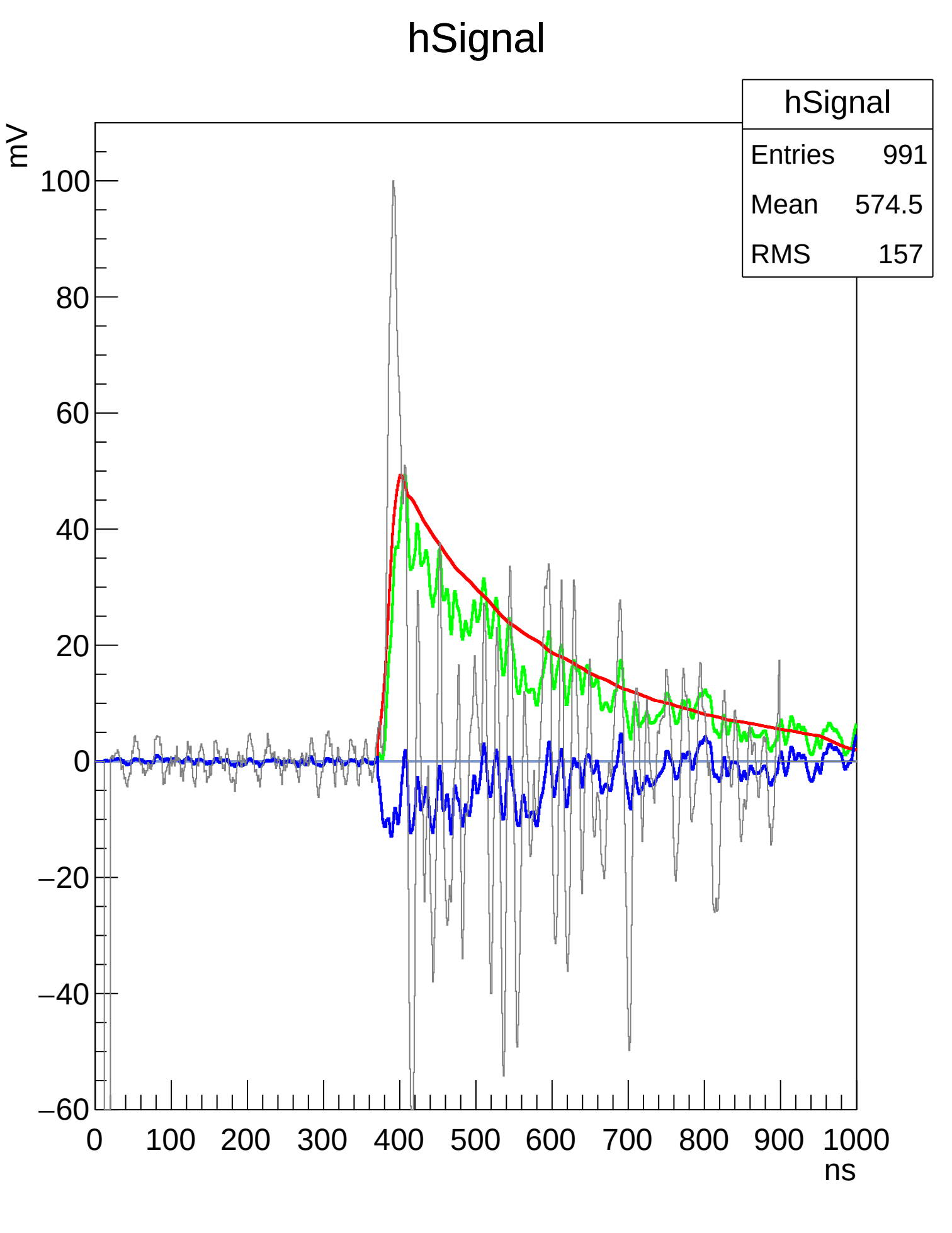
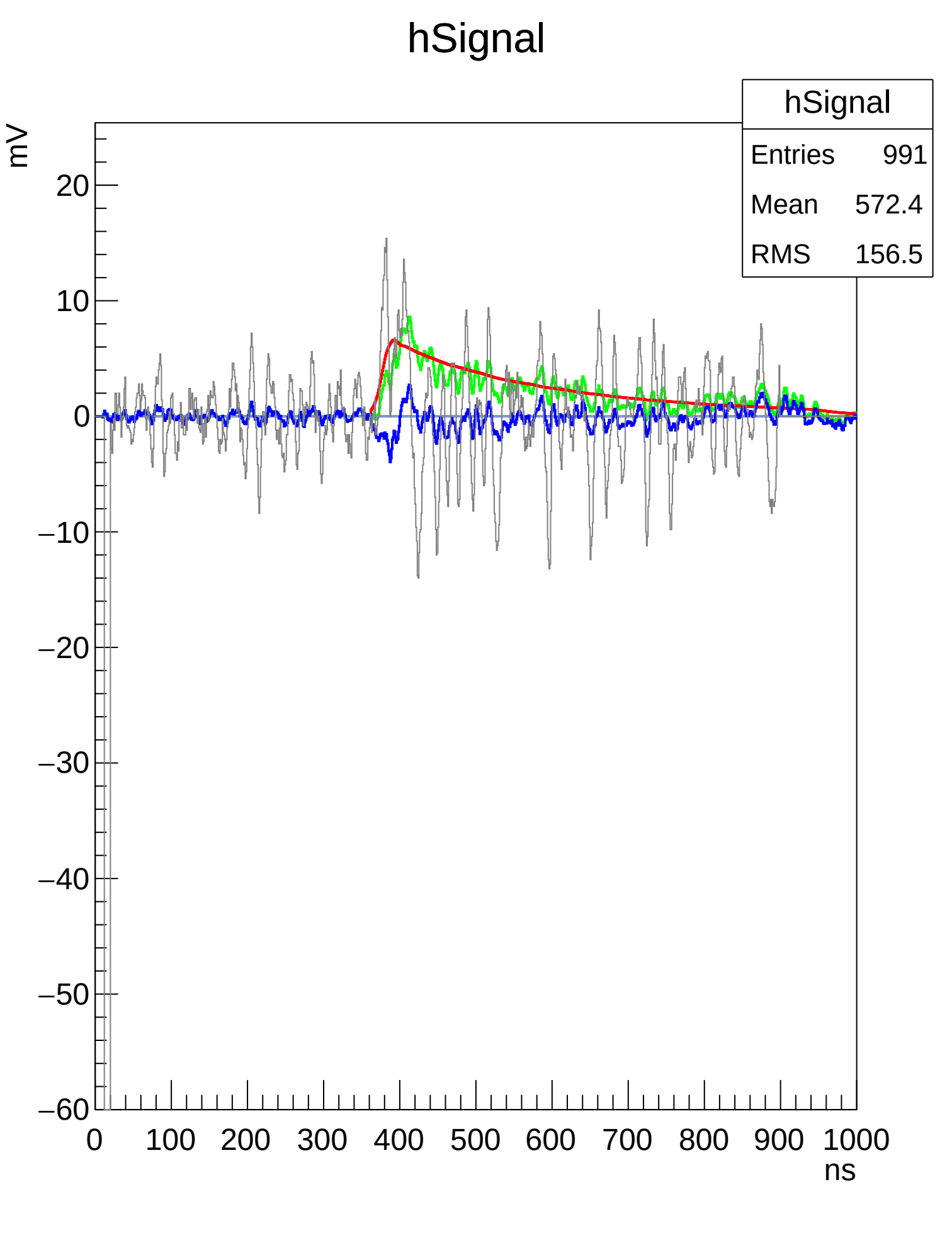
400
500
600
700
800
900
1000
ns

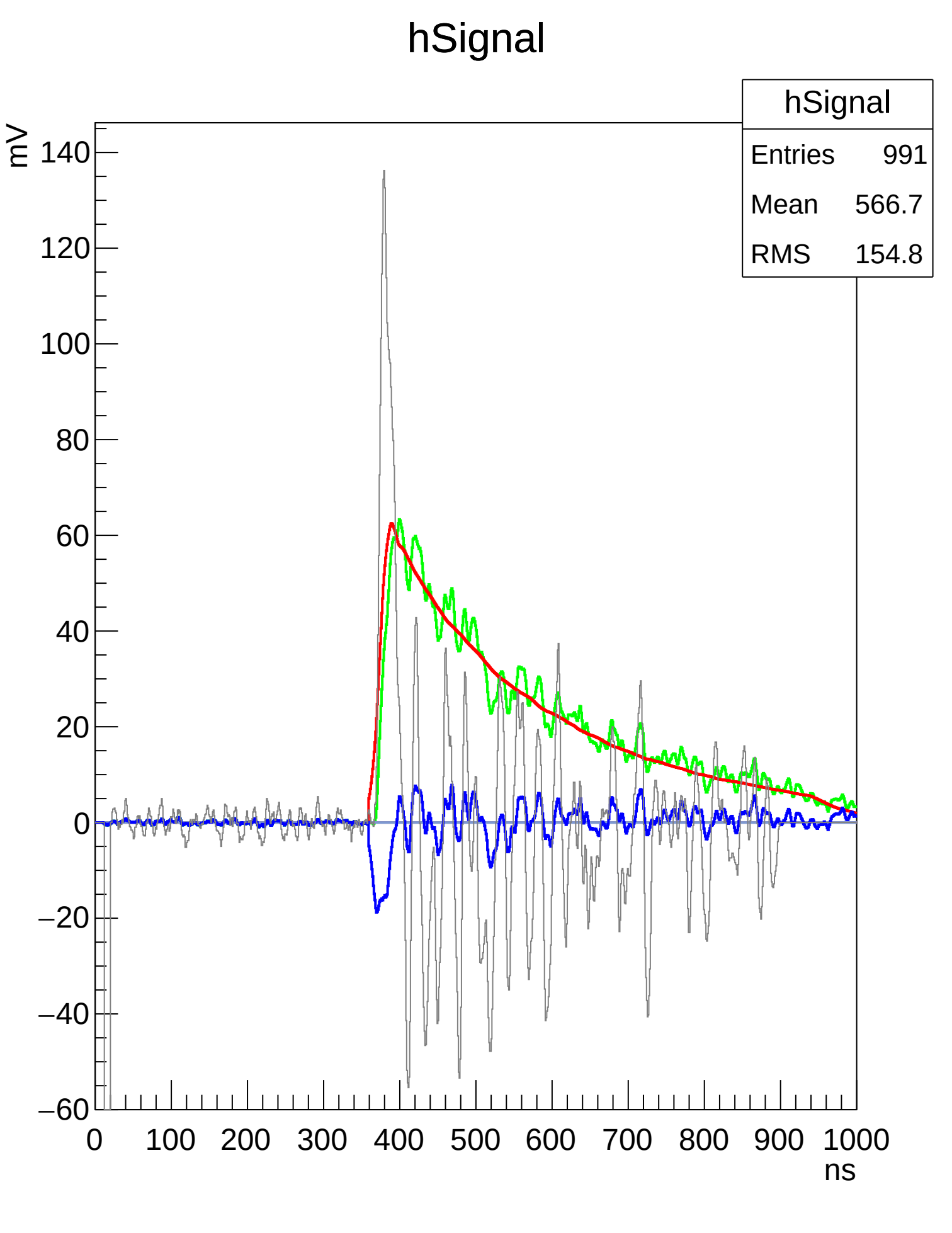

hSignal
hSignal
Entries 991
Mean 587.5
RMS 160.1
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

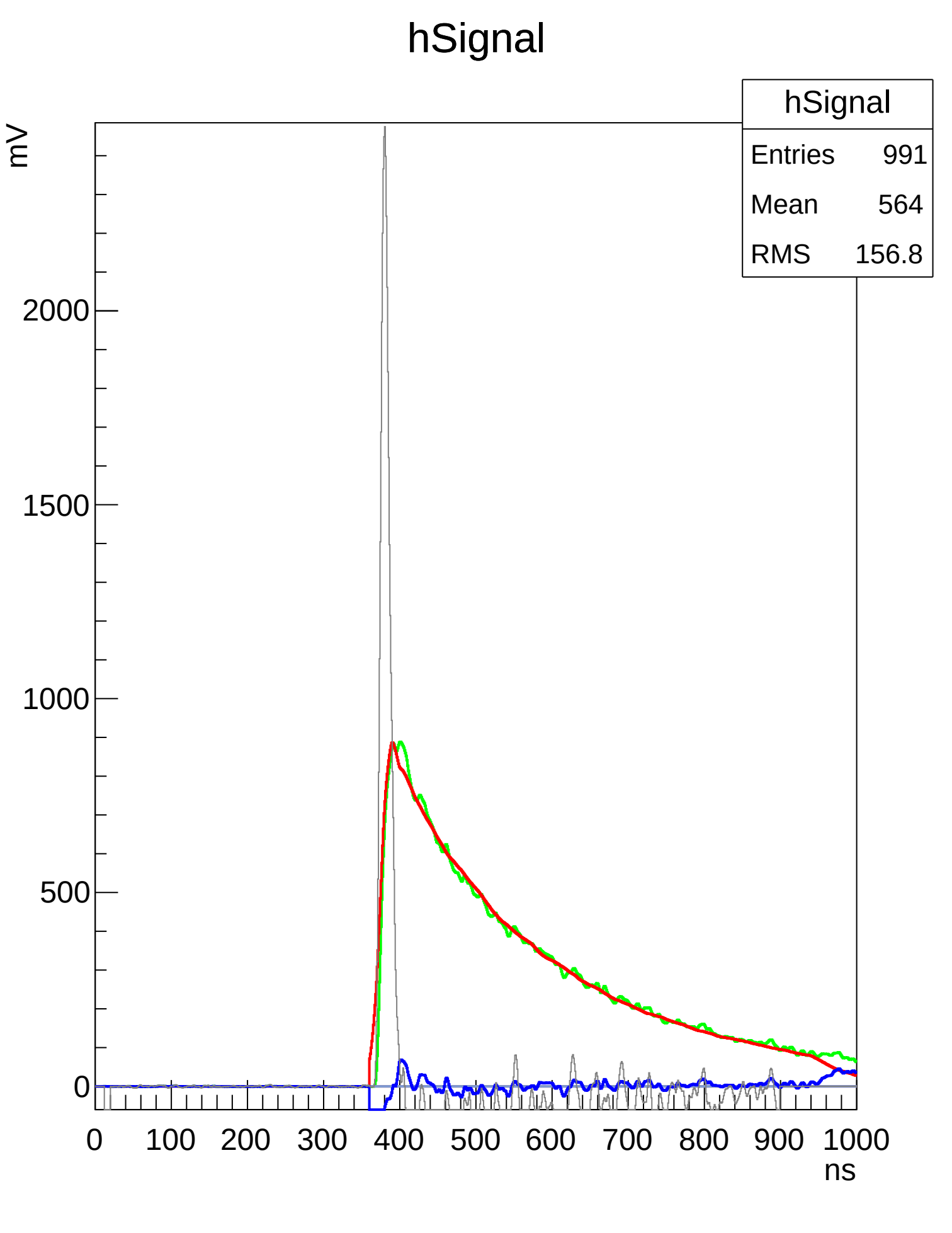

hSignal
hSignal
Entries 991
Mean 587.7
RMS 151.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

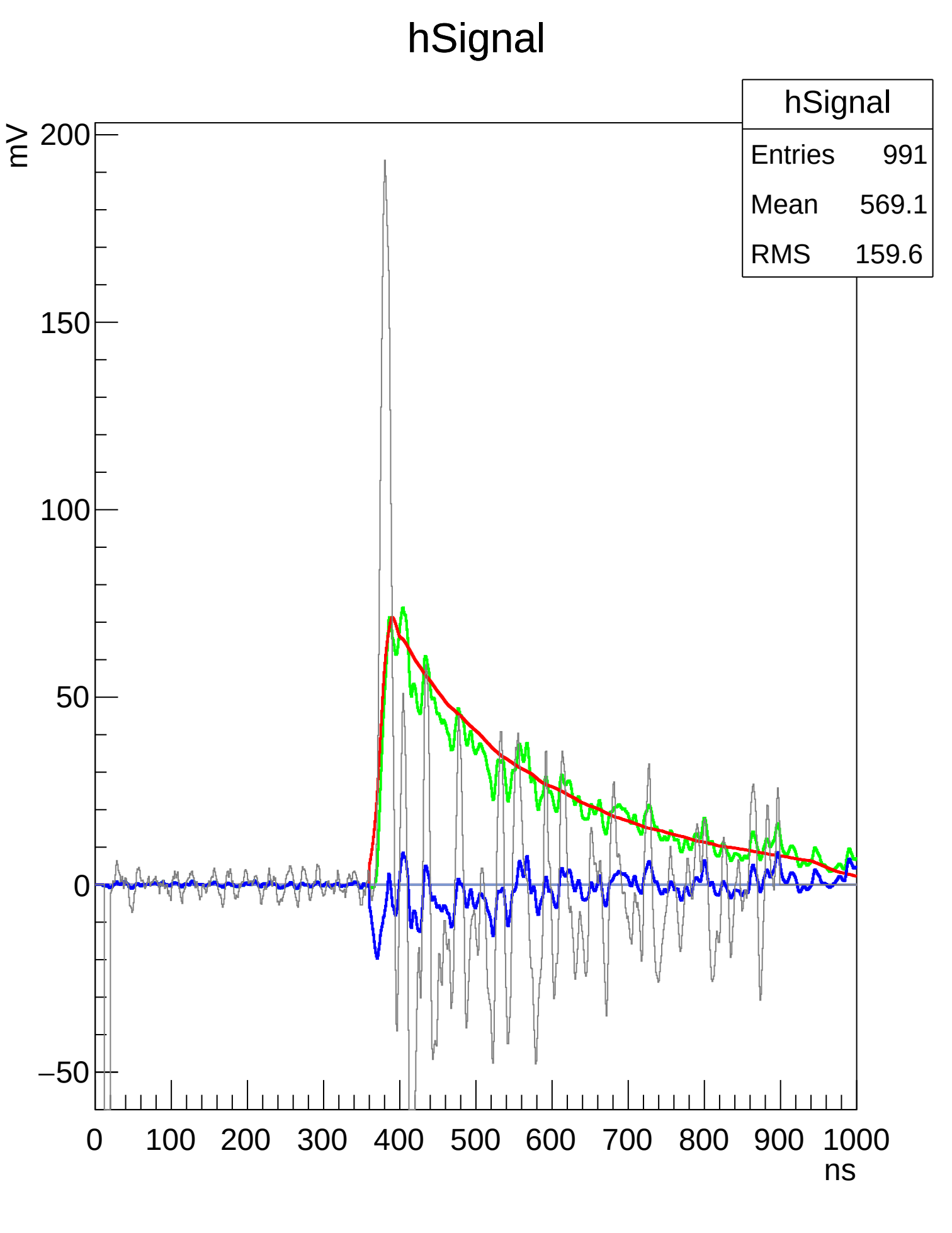

hSignal
hSignal
Entries 991
Mean 576.7
RMS 156.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.5
RMS 157
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.4
RMS 156.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.7
RMS 154.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564
RMS 156.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 569.1
RMS 159.6
mV
200
150
100
50
0
−50
0
100
200
300
400
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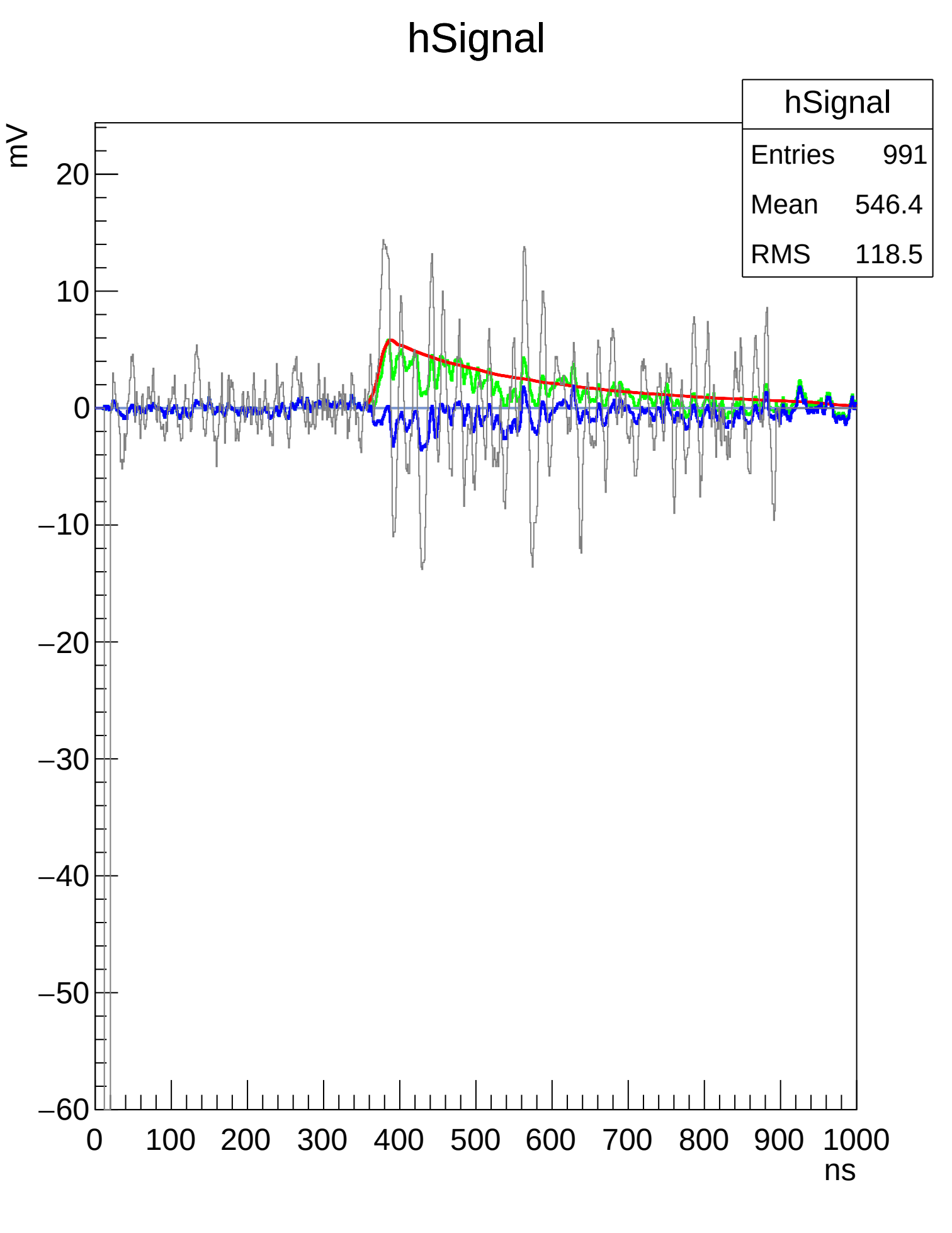
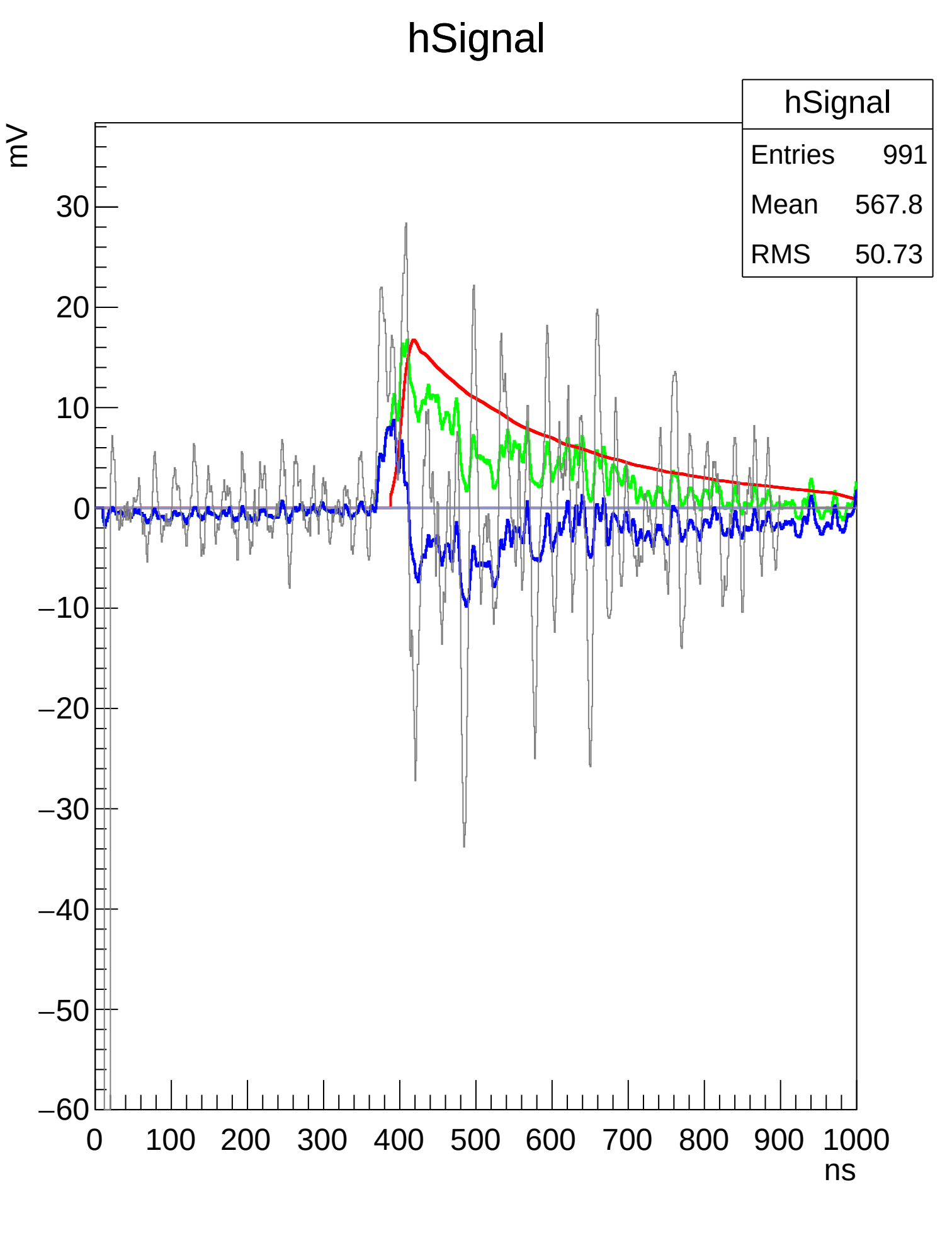
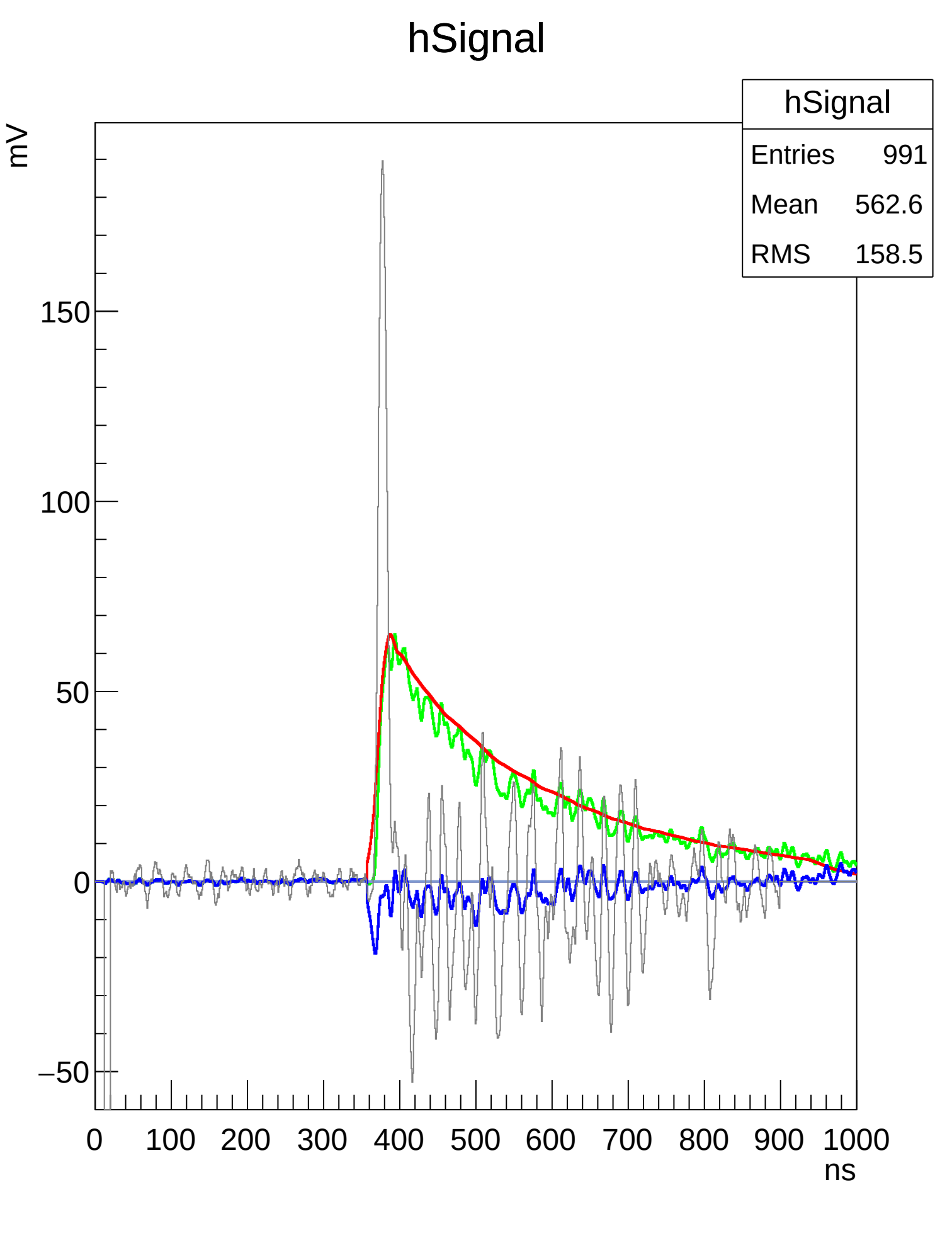
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 546.4
RMS 118.5
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 567.8
RMS 50.73
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562.6
RMS 158.5
mV
150
100
50
0
−50
0
100
200
300
400
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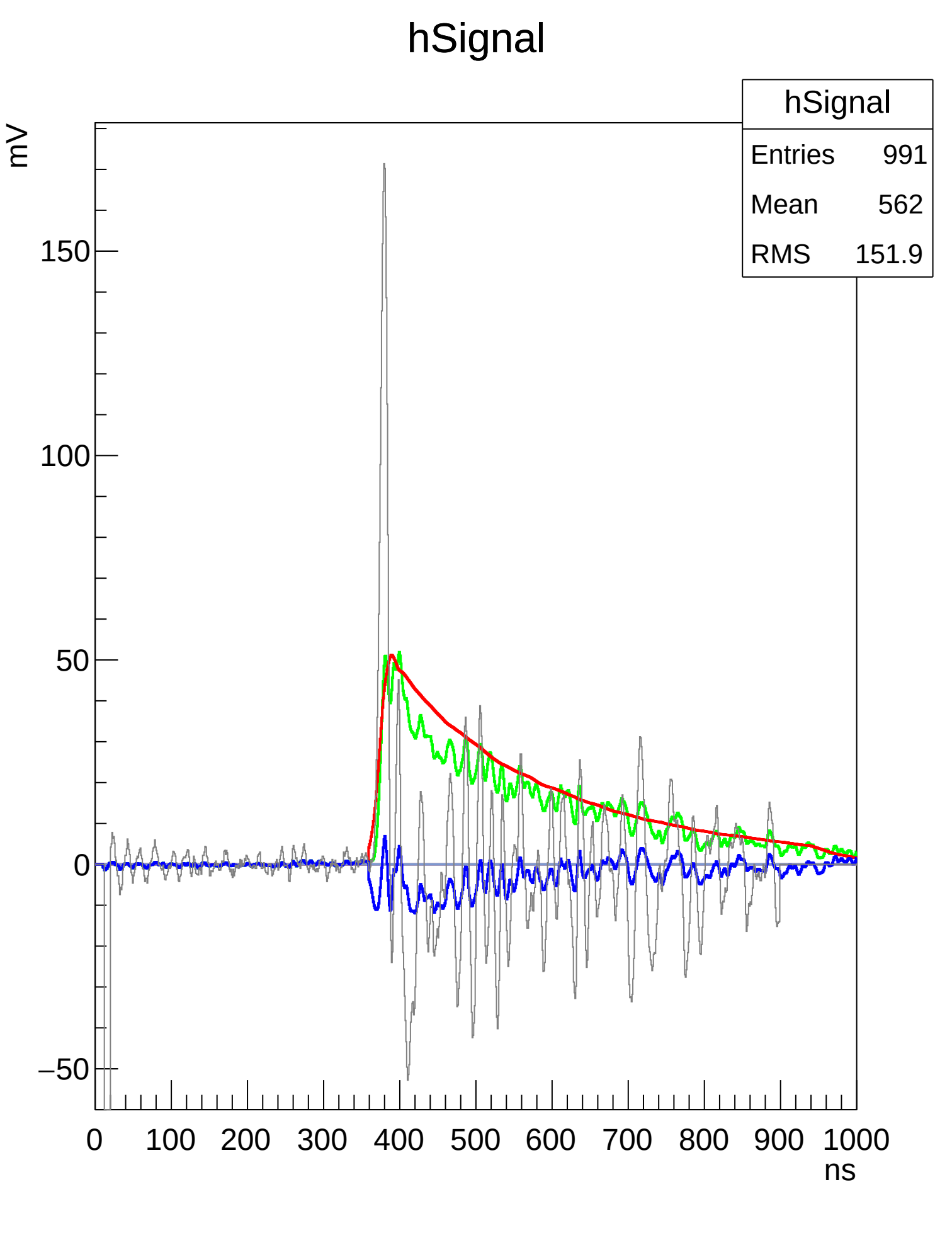
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 562
RMS 151.9
mV
150
100
50
0
−50
0
100
200
300
400
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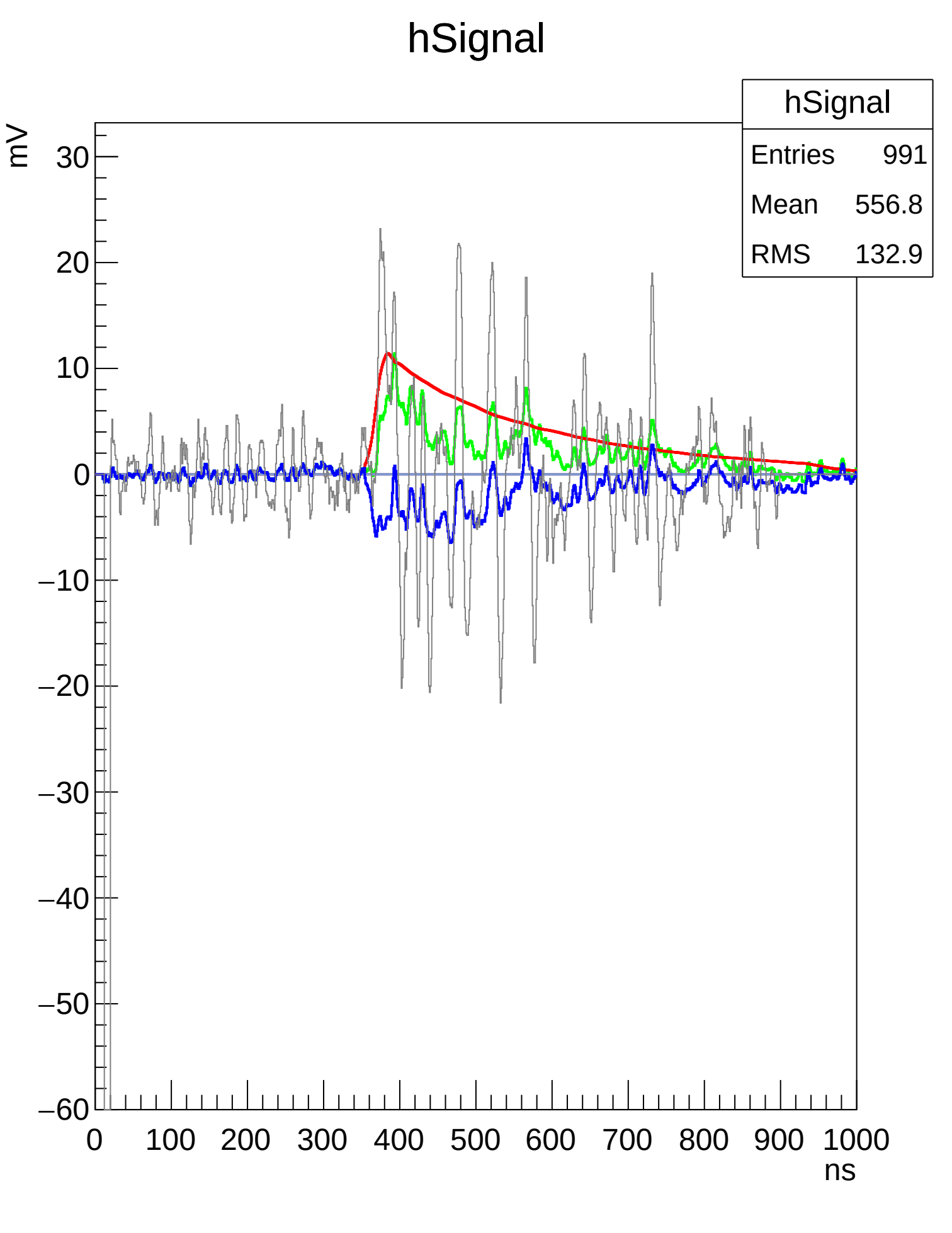
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.8
RMS 132.9
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
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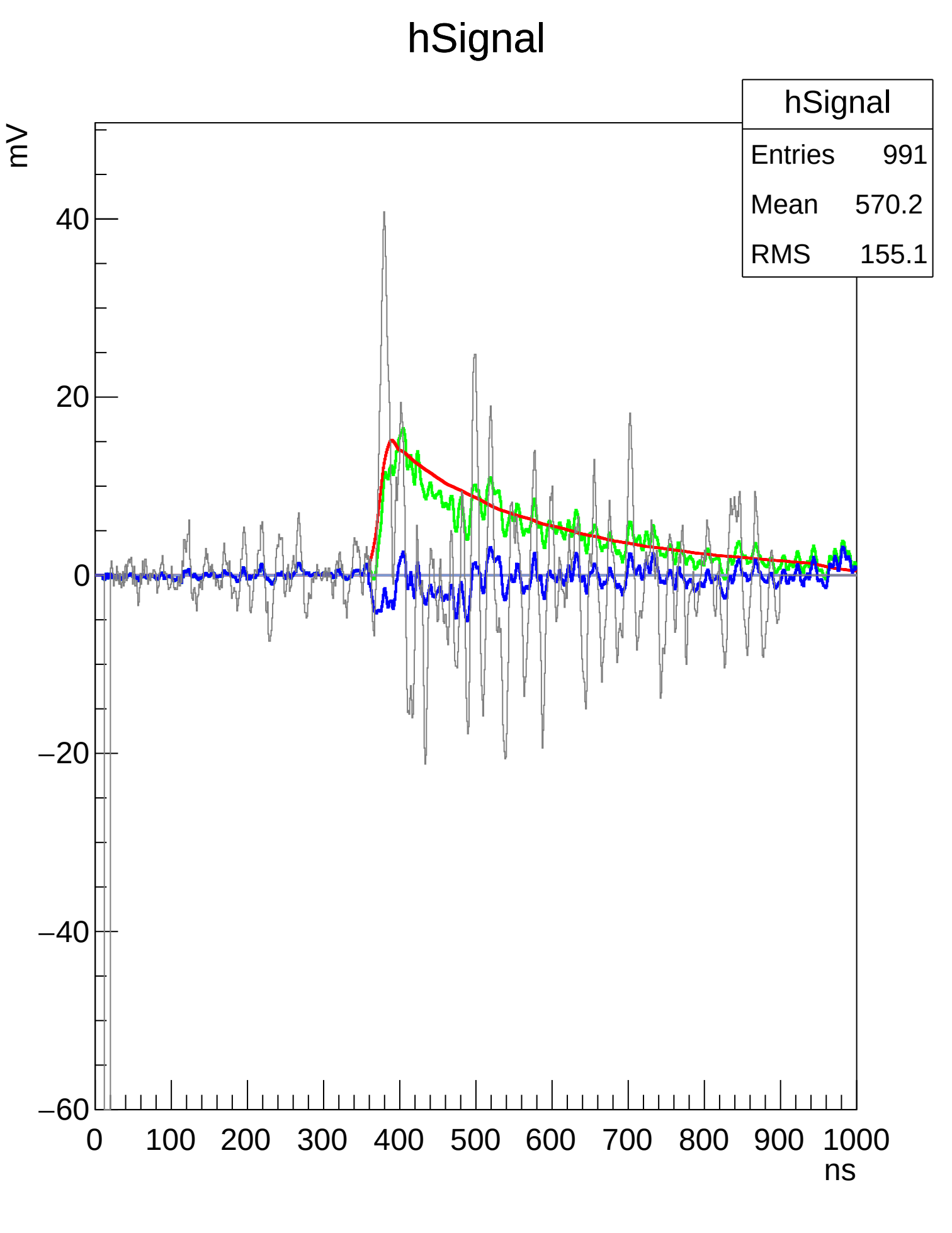
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.2
RMS 155.1
mV
40
20
0
−20
−40
−60
0
100
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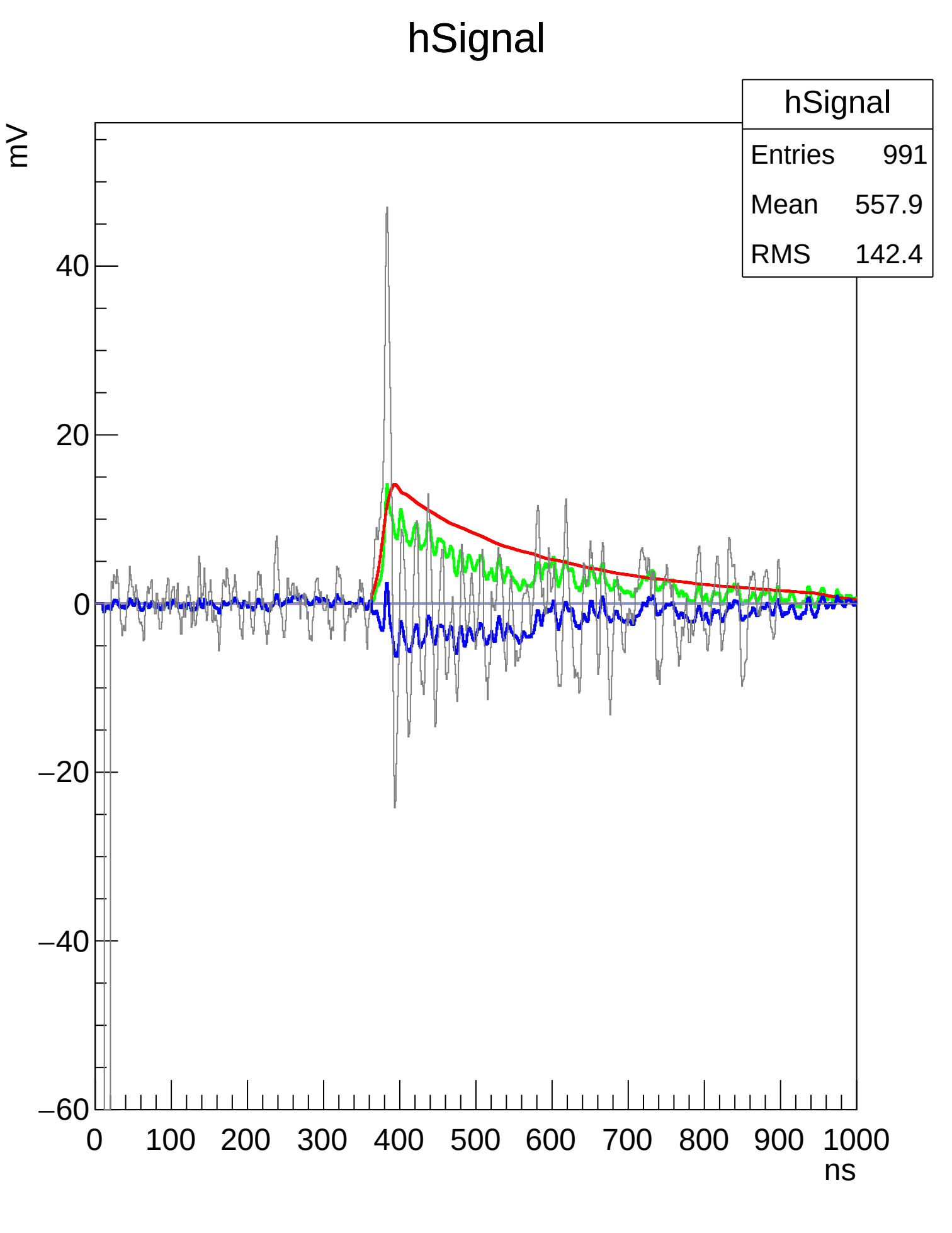
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 557.9
RMS 142.4
mV
40
20
0
−20
−40
−60
0
100
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600
700
800
900
1000
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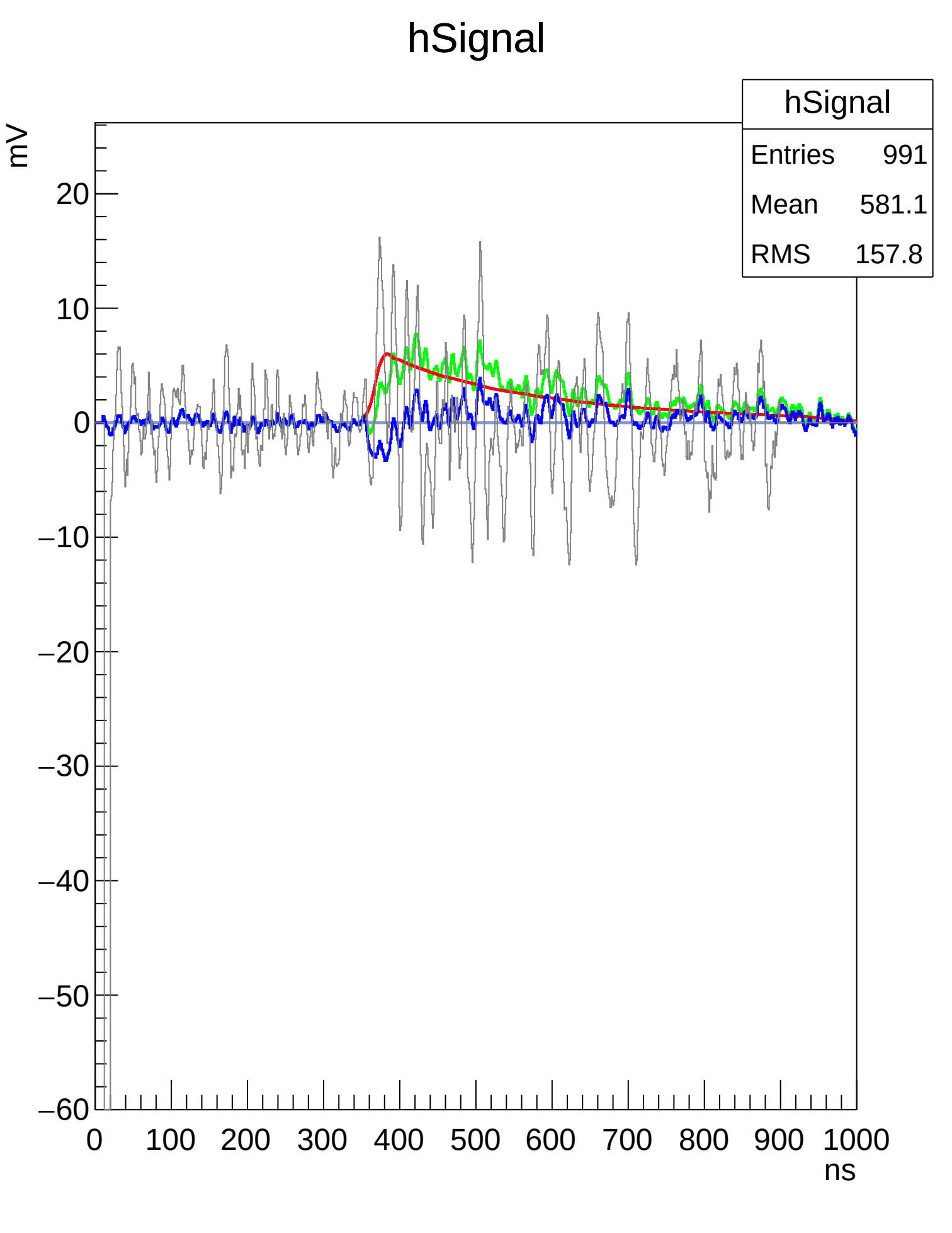
hSignal
hSignal
Entries 991
Mean 581.1
RMS 157.8
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
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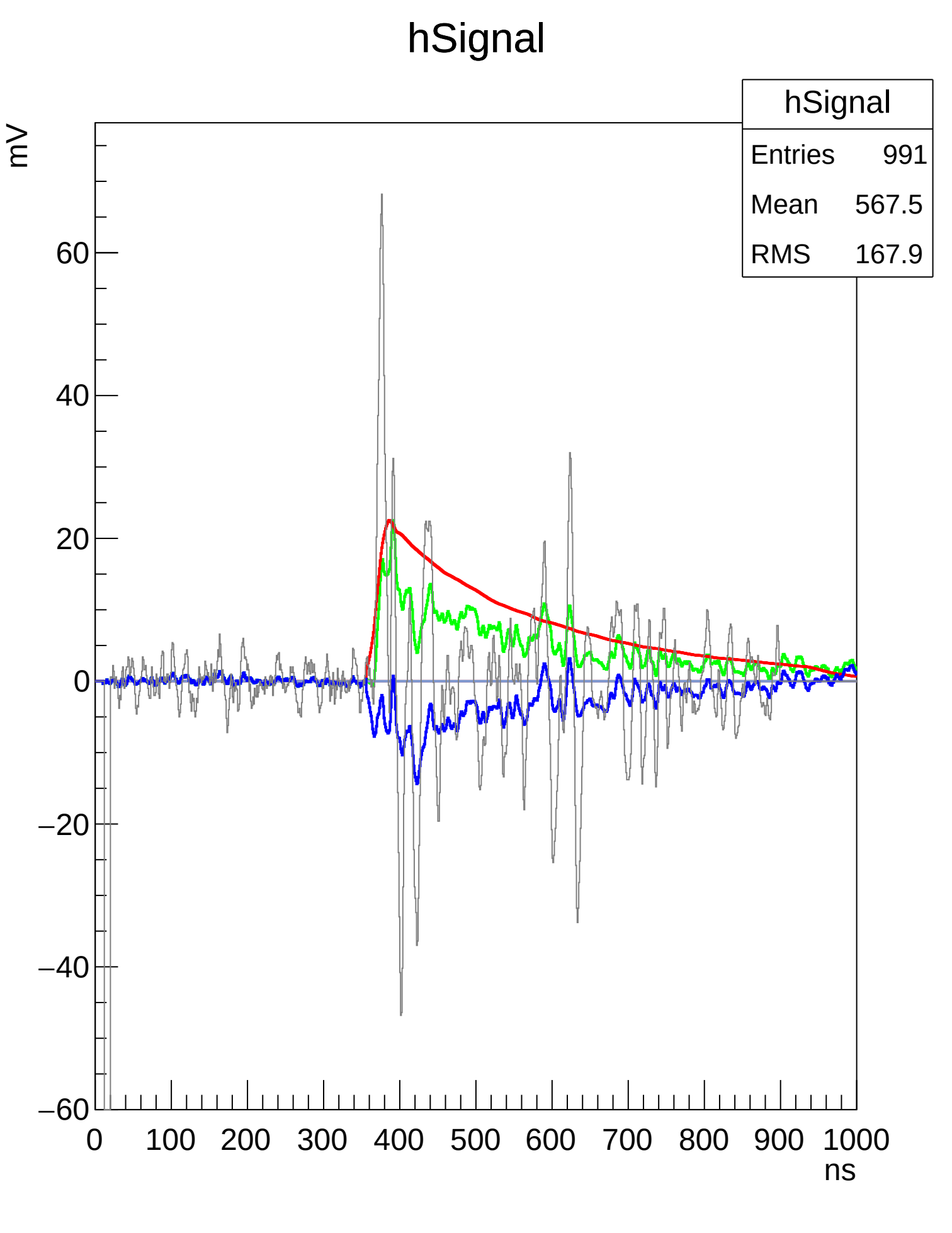
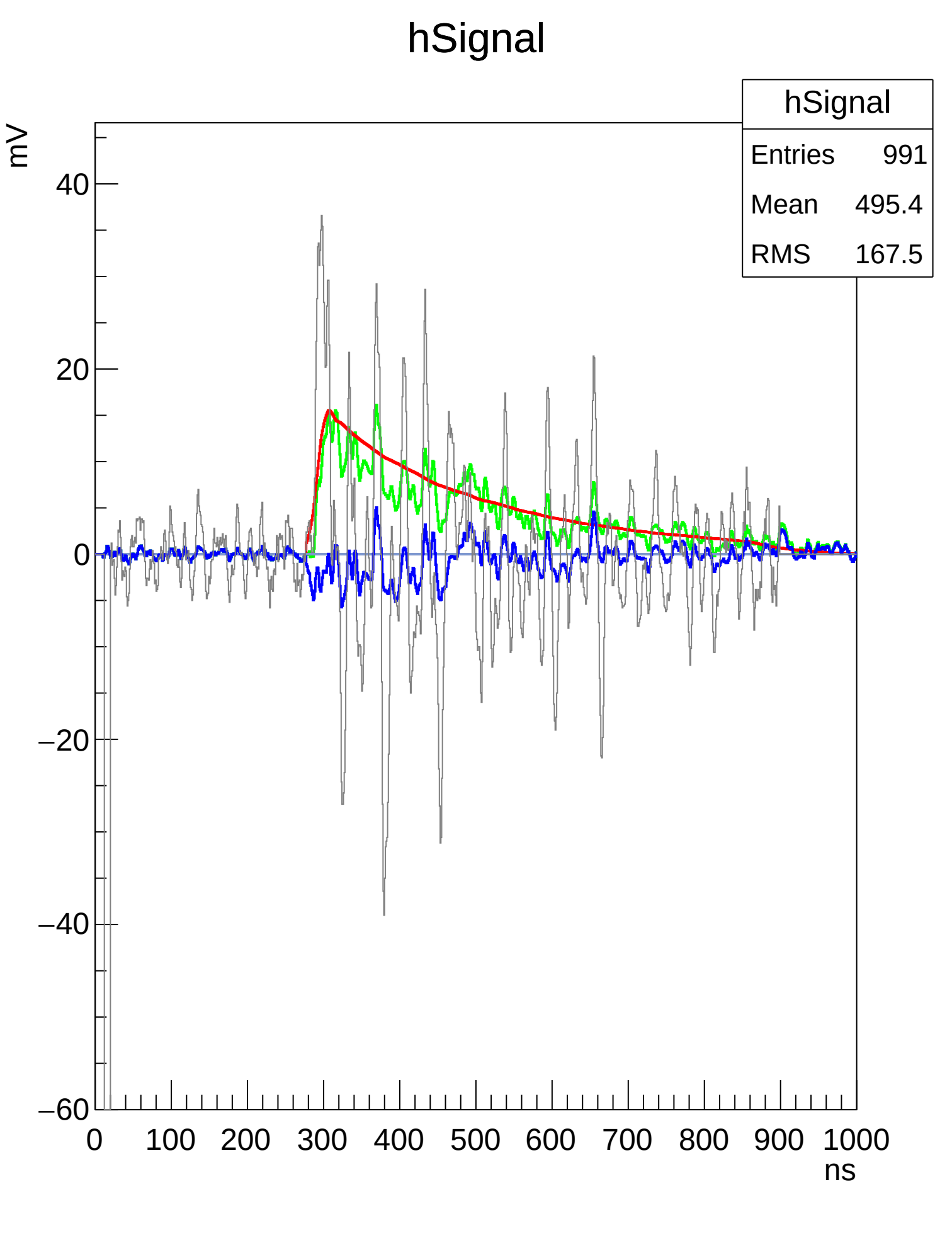
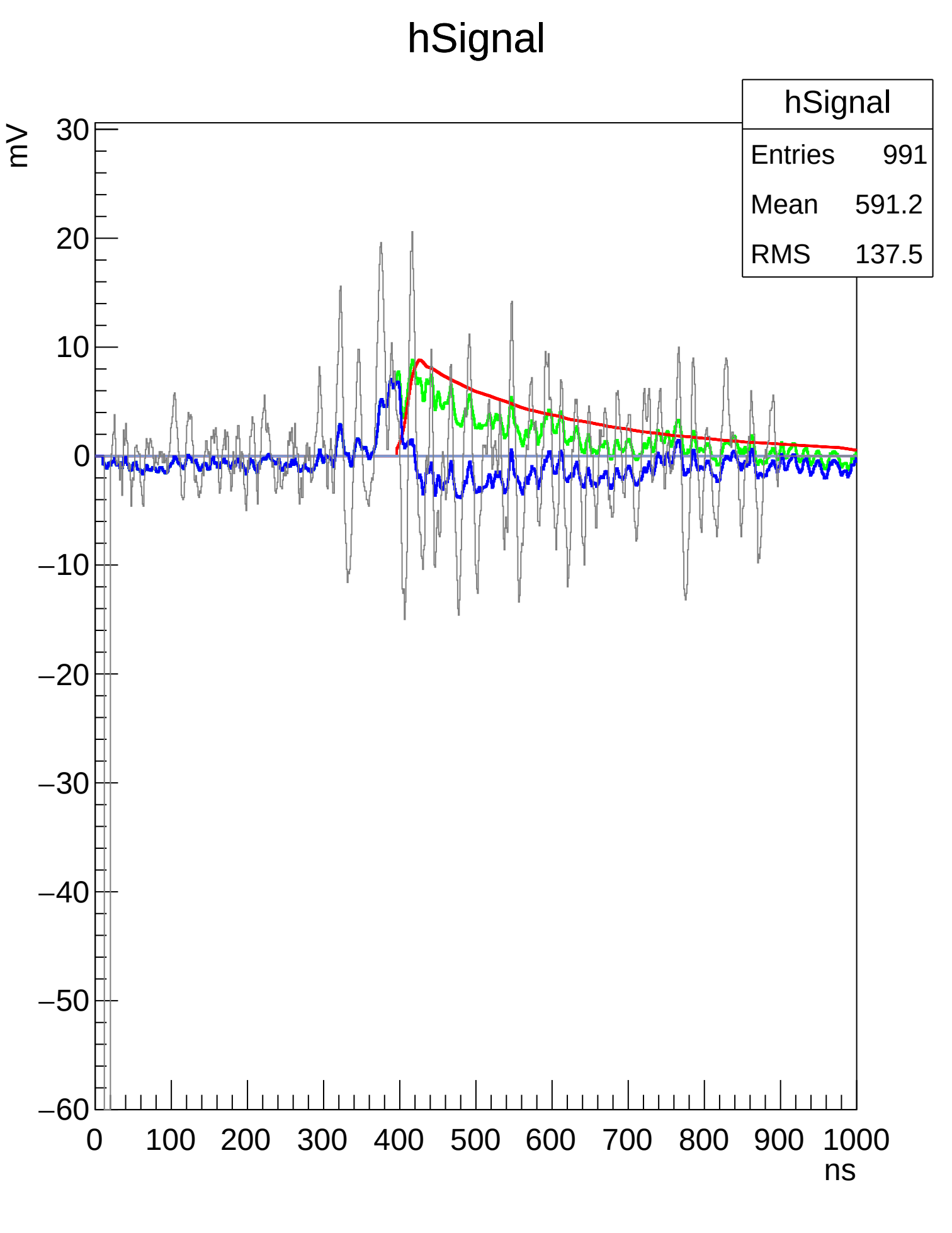

hSignal
hSignal
Entries 991
Mean 567.5
RMS 167.9
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 495.4
RMS 167.5
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.2
RMS 137.5
mV
30
20
10
0
−10
−20
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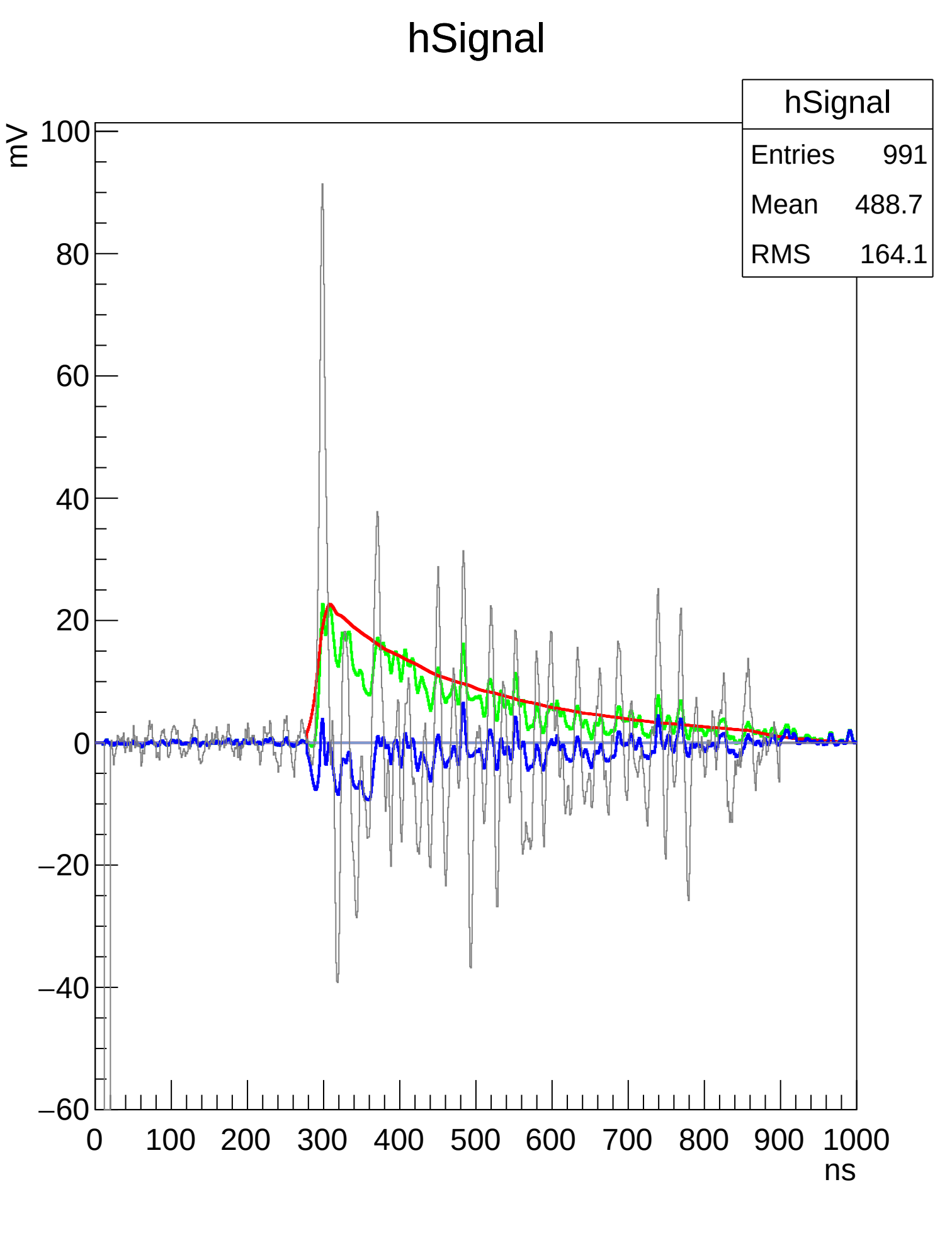
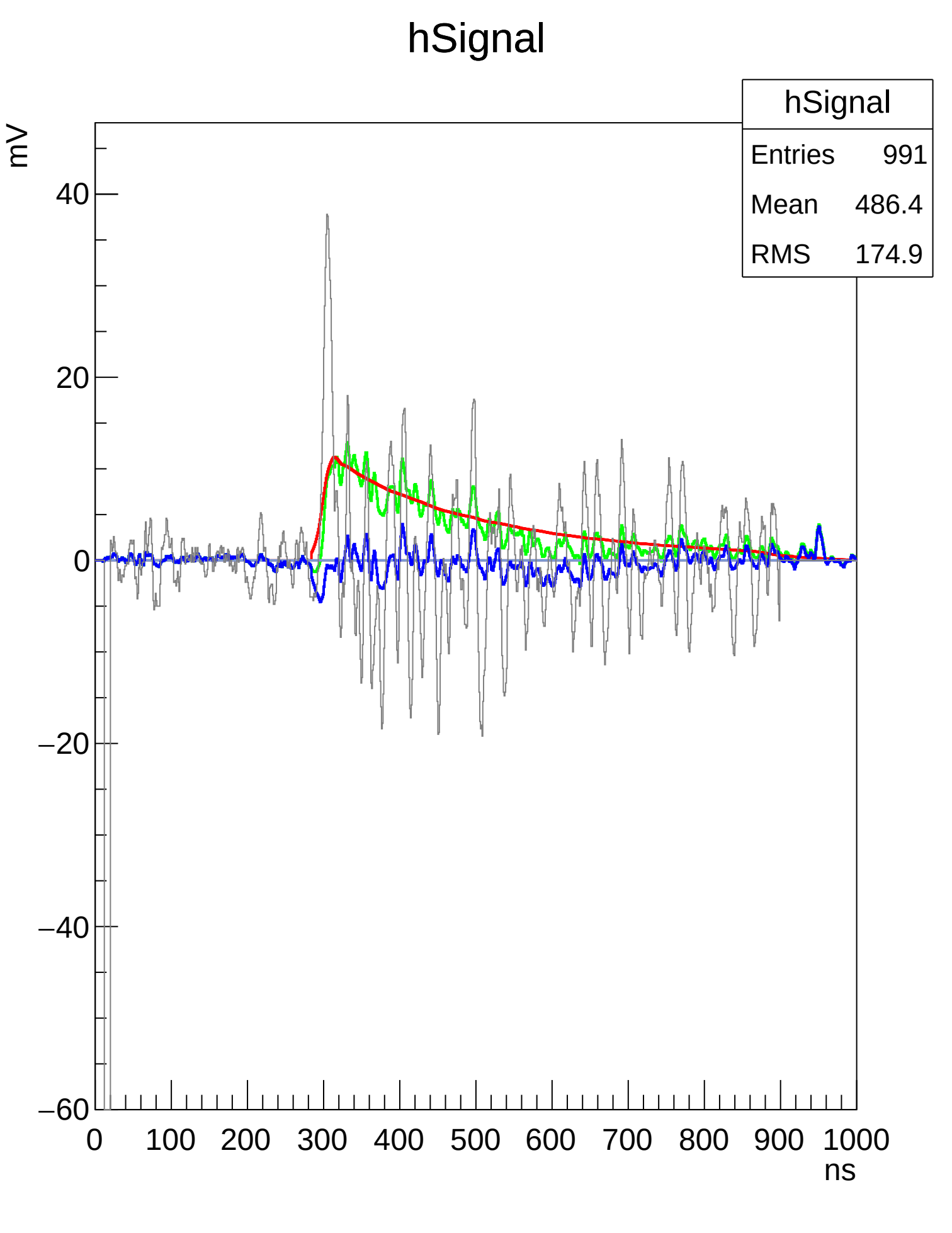
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 488.7
RMS 164.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 486.4
RMS 174.9
mV
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−20
−40
−60
0
100
200
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400
500
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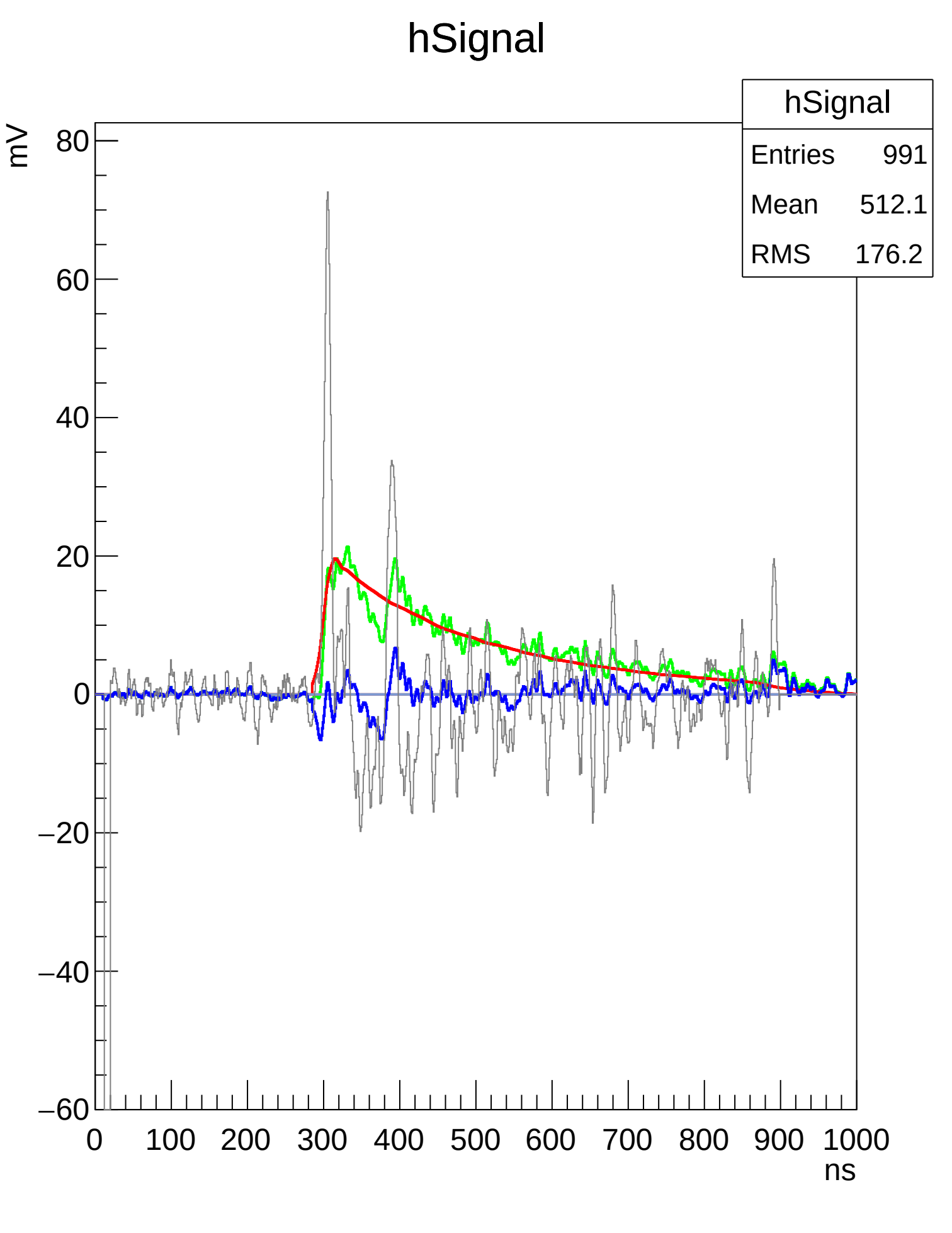
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512.1
RMS 176.2
mV
80
60
40
20
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−20
−40
−60
0
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200
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400
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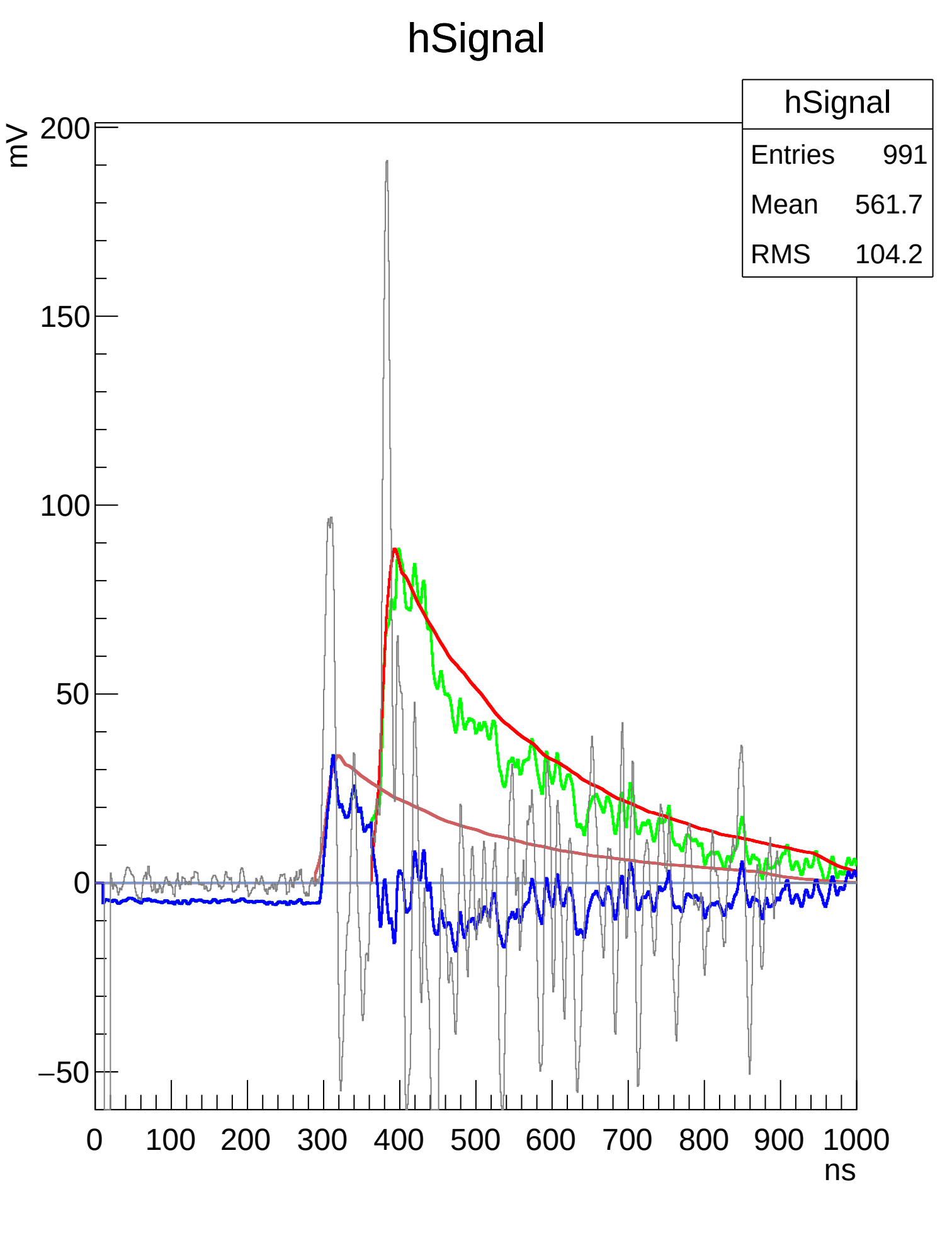
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 561.7
RMS 104.2
mV
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100
50
0
−50
0
100
200
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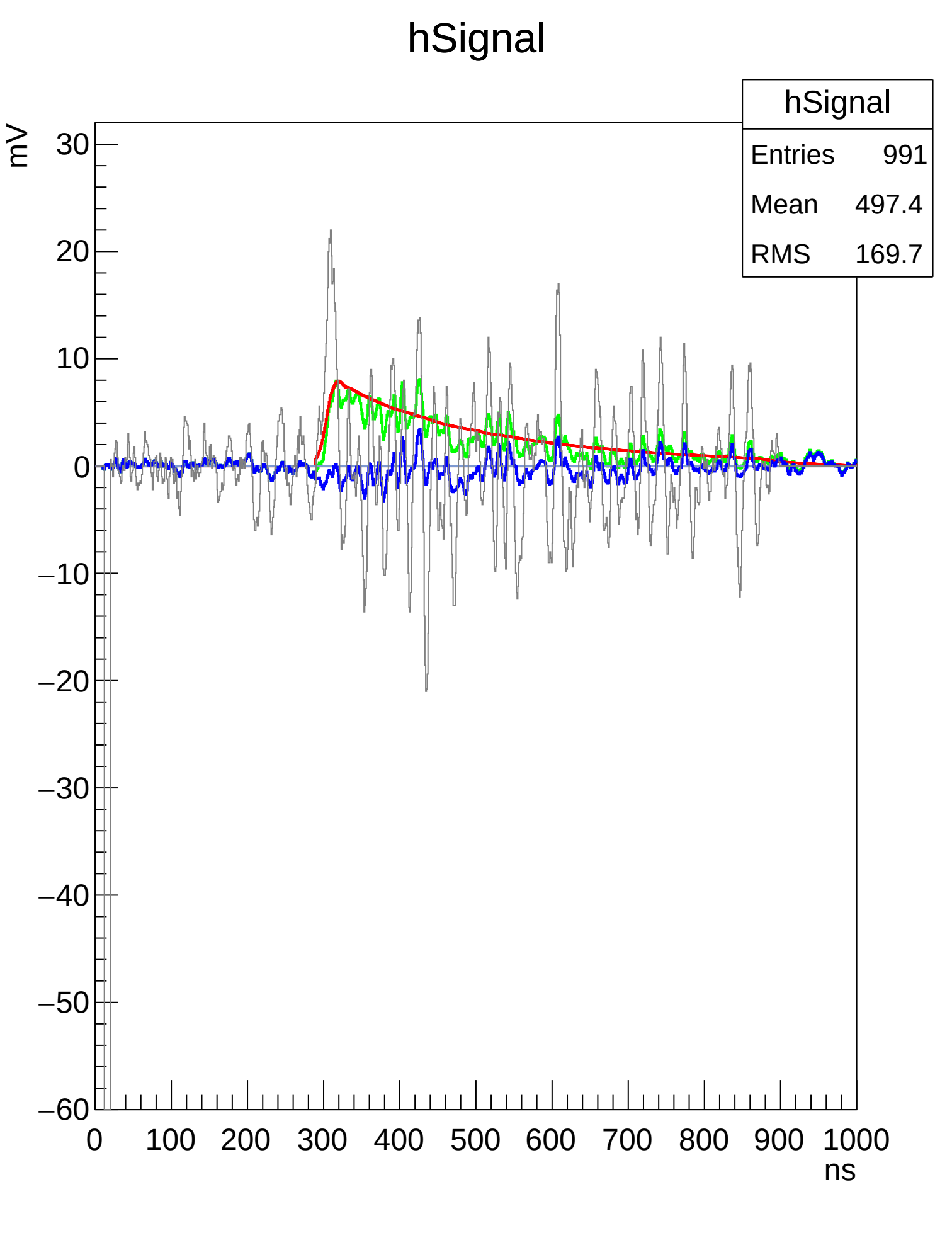
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 497.4
RMS 169.7
mV
30
20
10
0
−10
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−40
−50
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0
100
200
300
400
500
600
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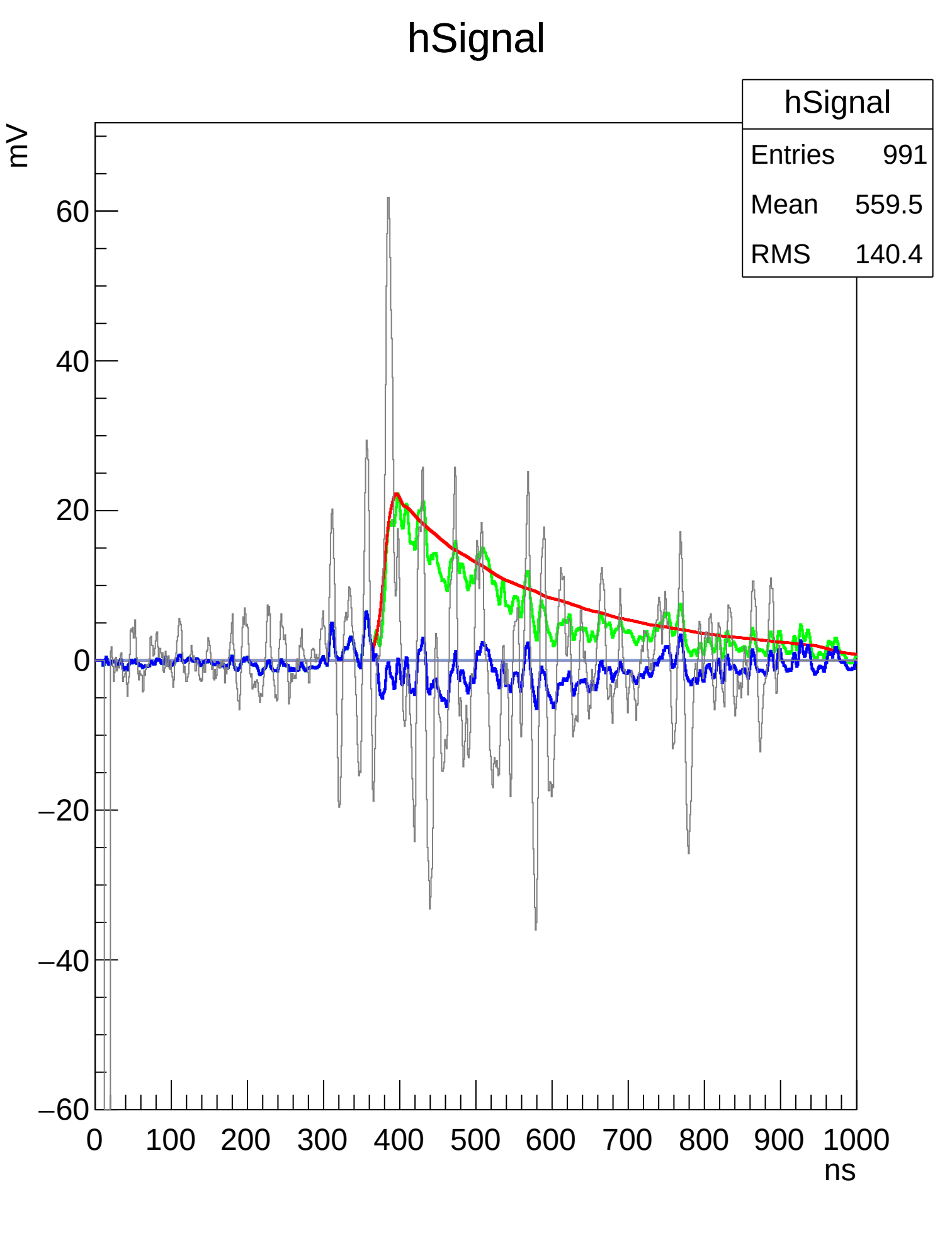
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.5
RMS 140.4
mV
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−20
−40
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0
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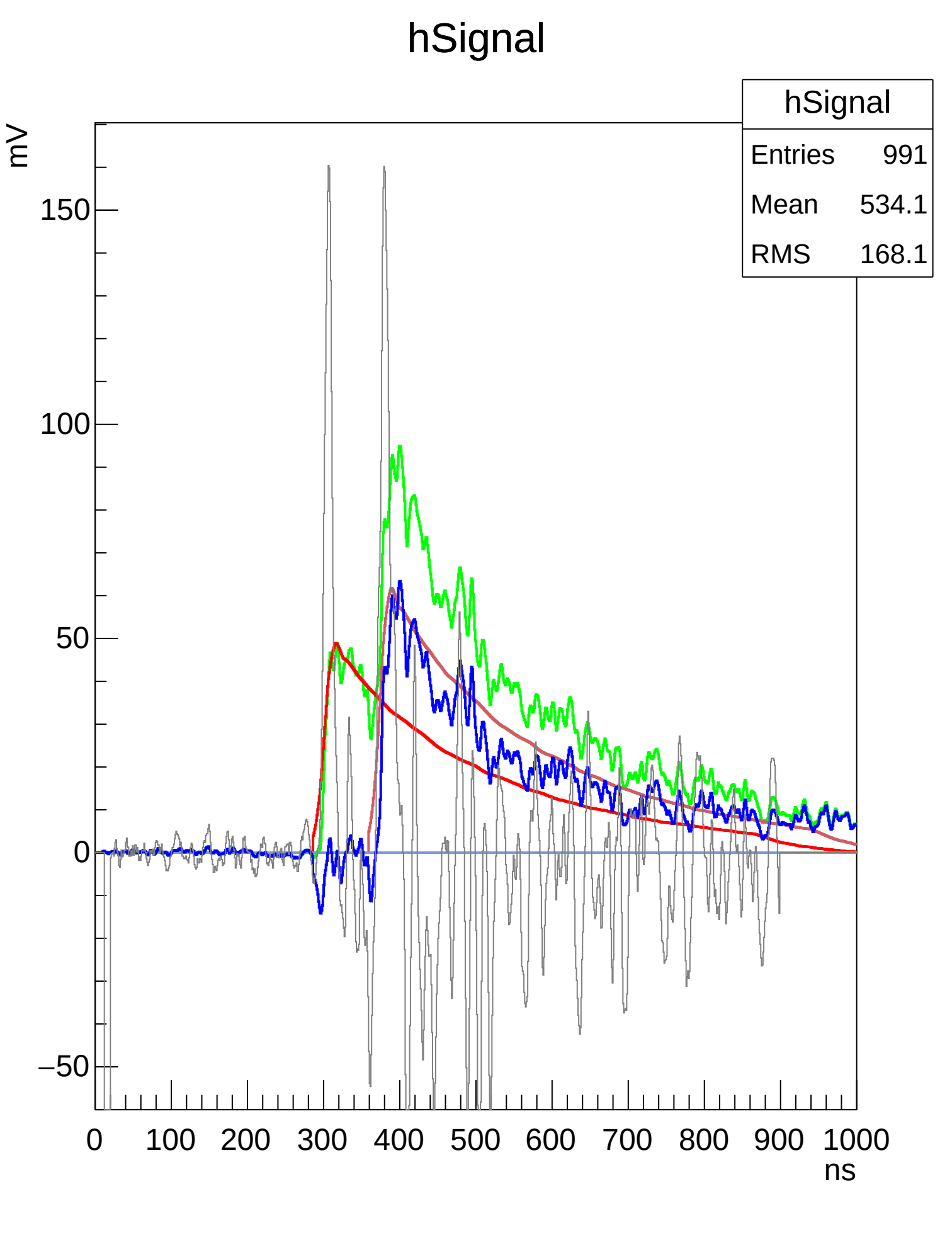
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.1
RMS 168.1
mV
150
100
50
0
−50
0
100
200
300
400
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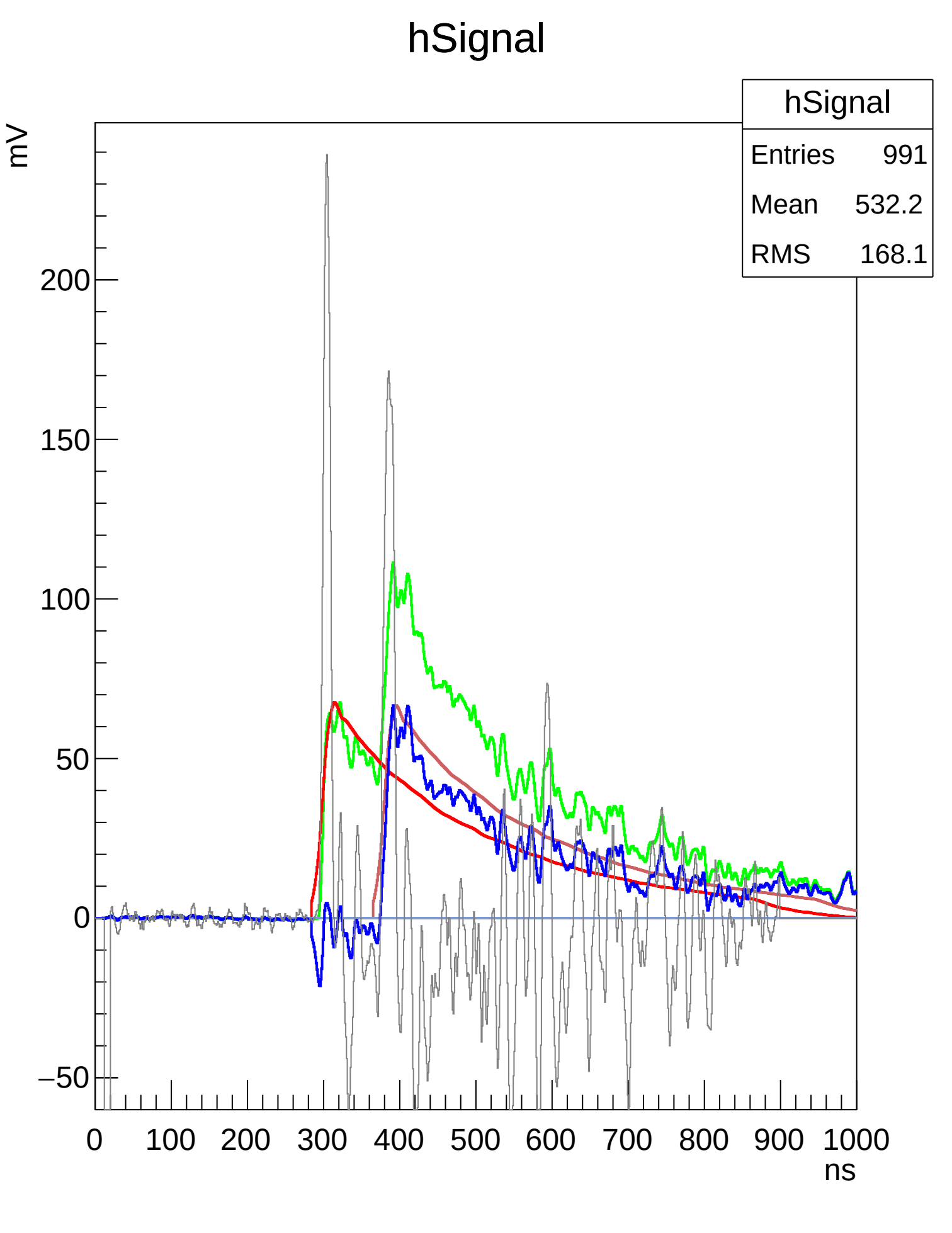
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.2
RMS 168.1
mV
200
150
100
50
0
−50
0
100
200
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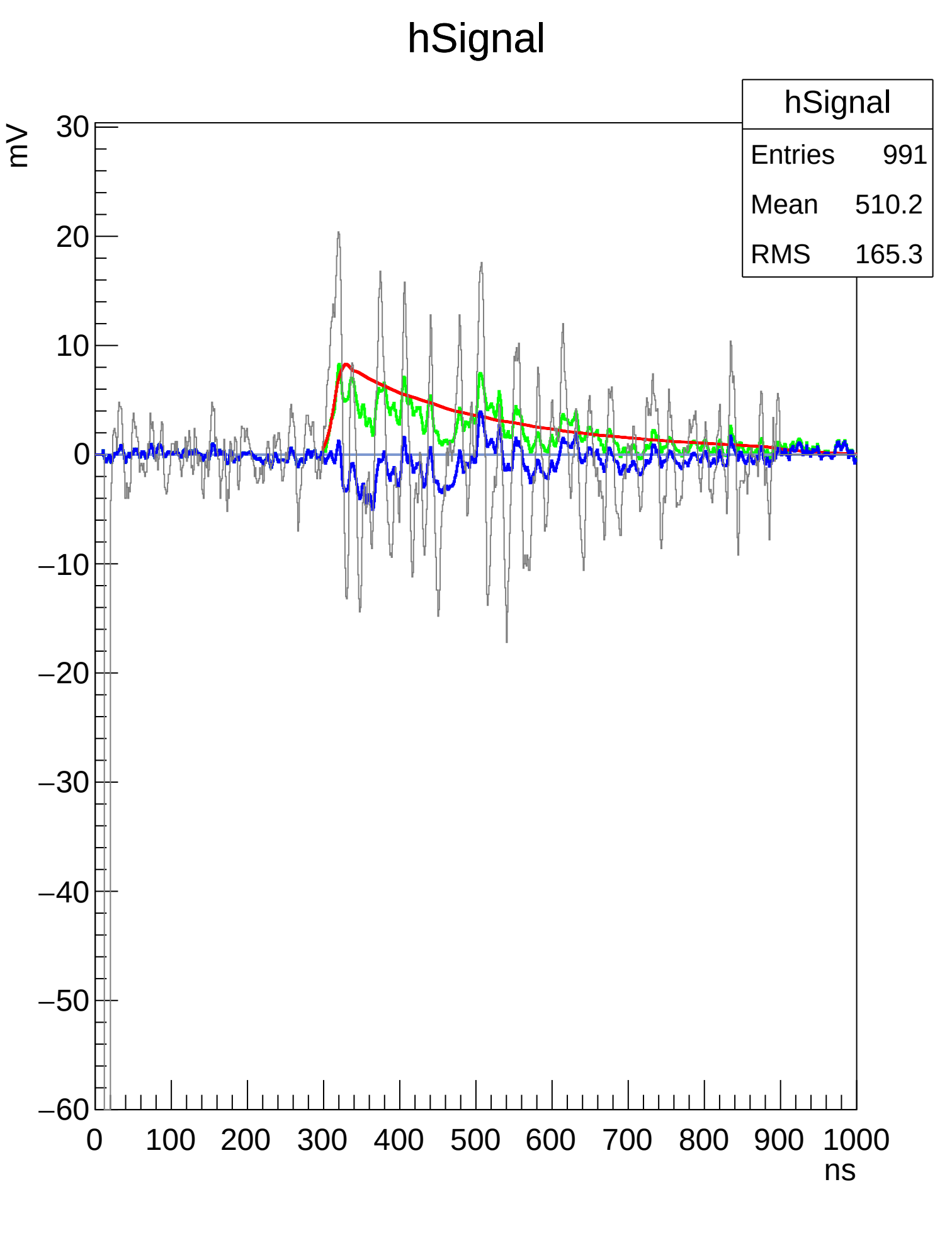
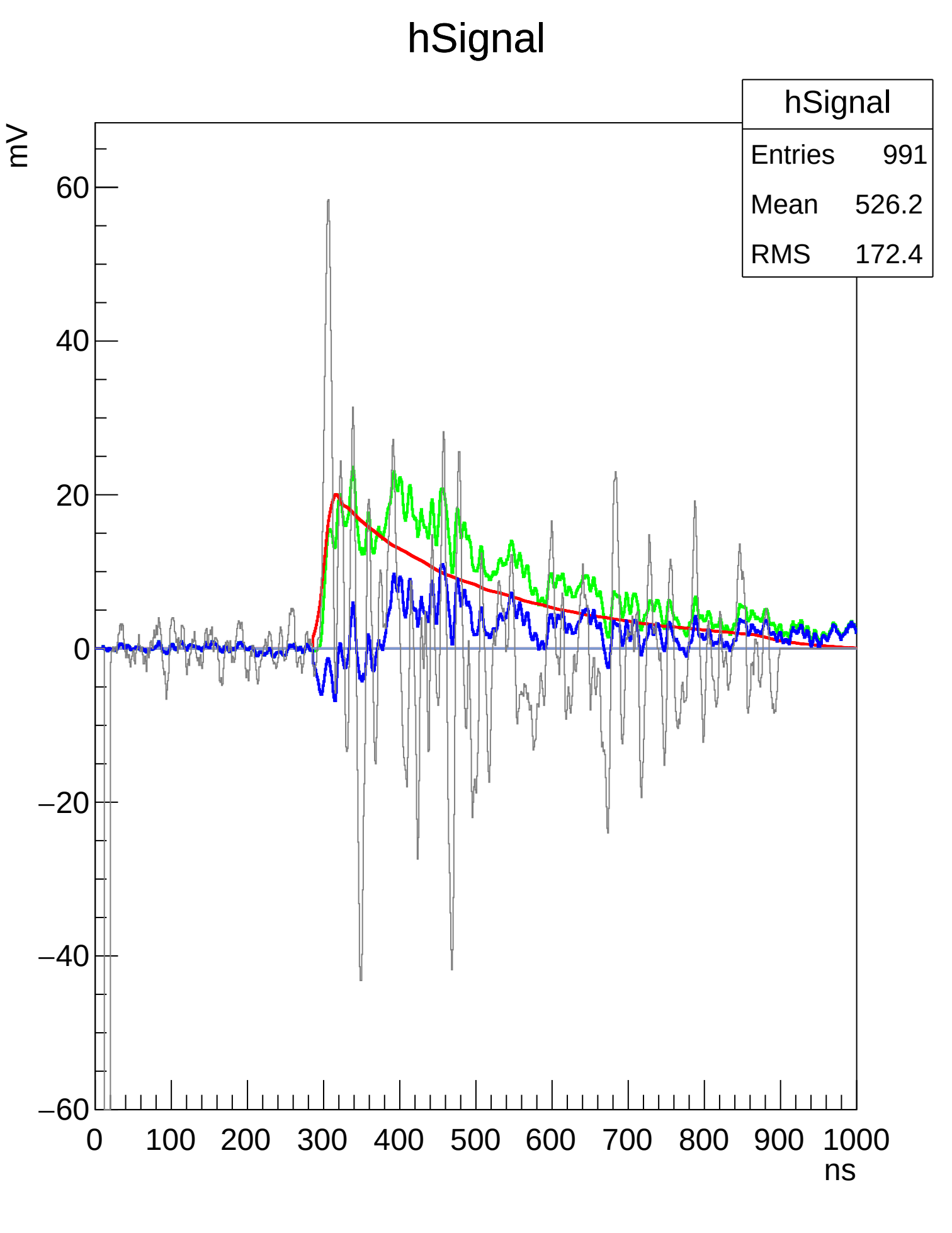
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 510.2
RMS 165.3
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526.2
RMS 172.4
mV
60
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20
0
−20
−40
−60
0
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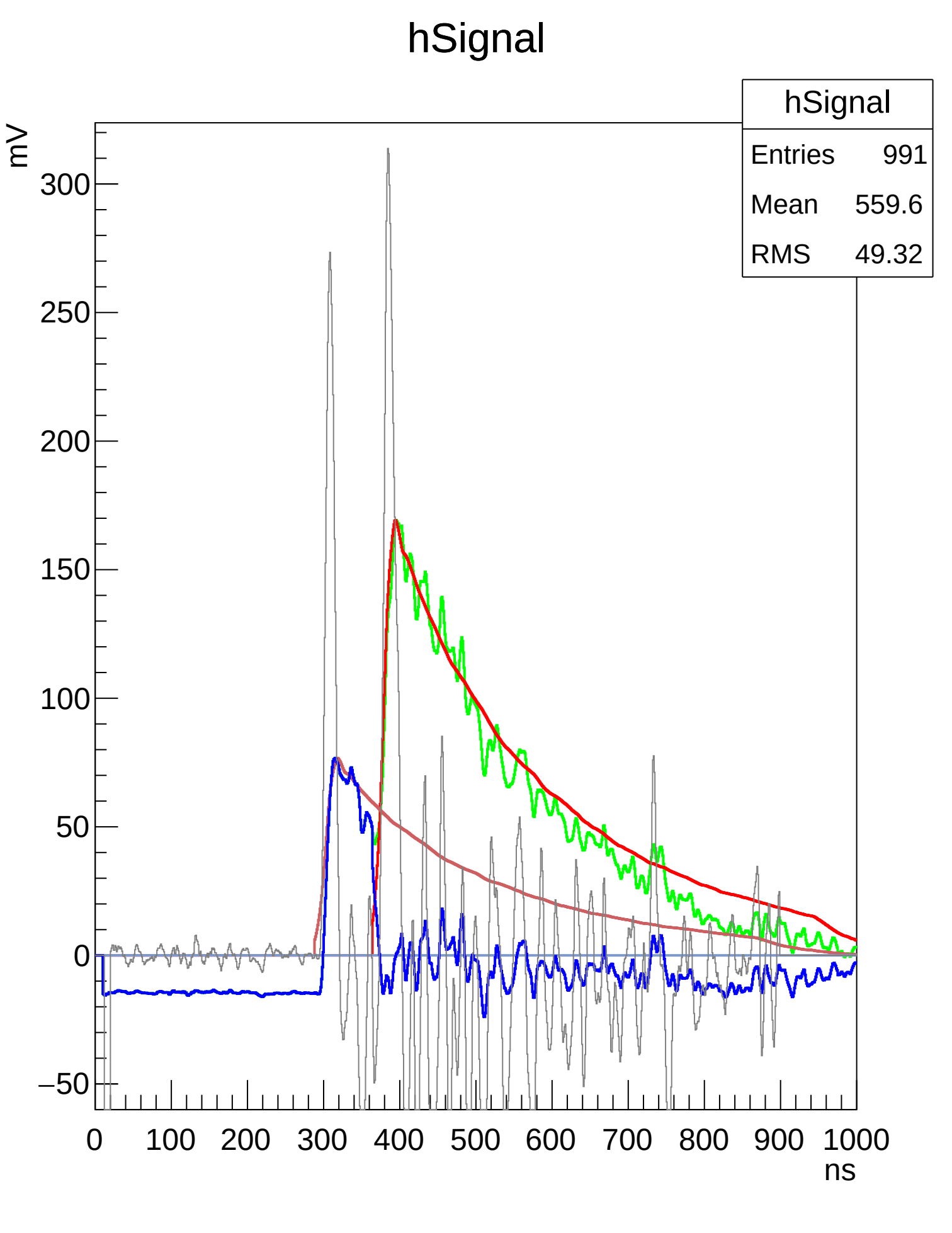
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.6
RMS 49.32
mV
300
250
200
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100
50
0
−50
0
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200
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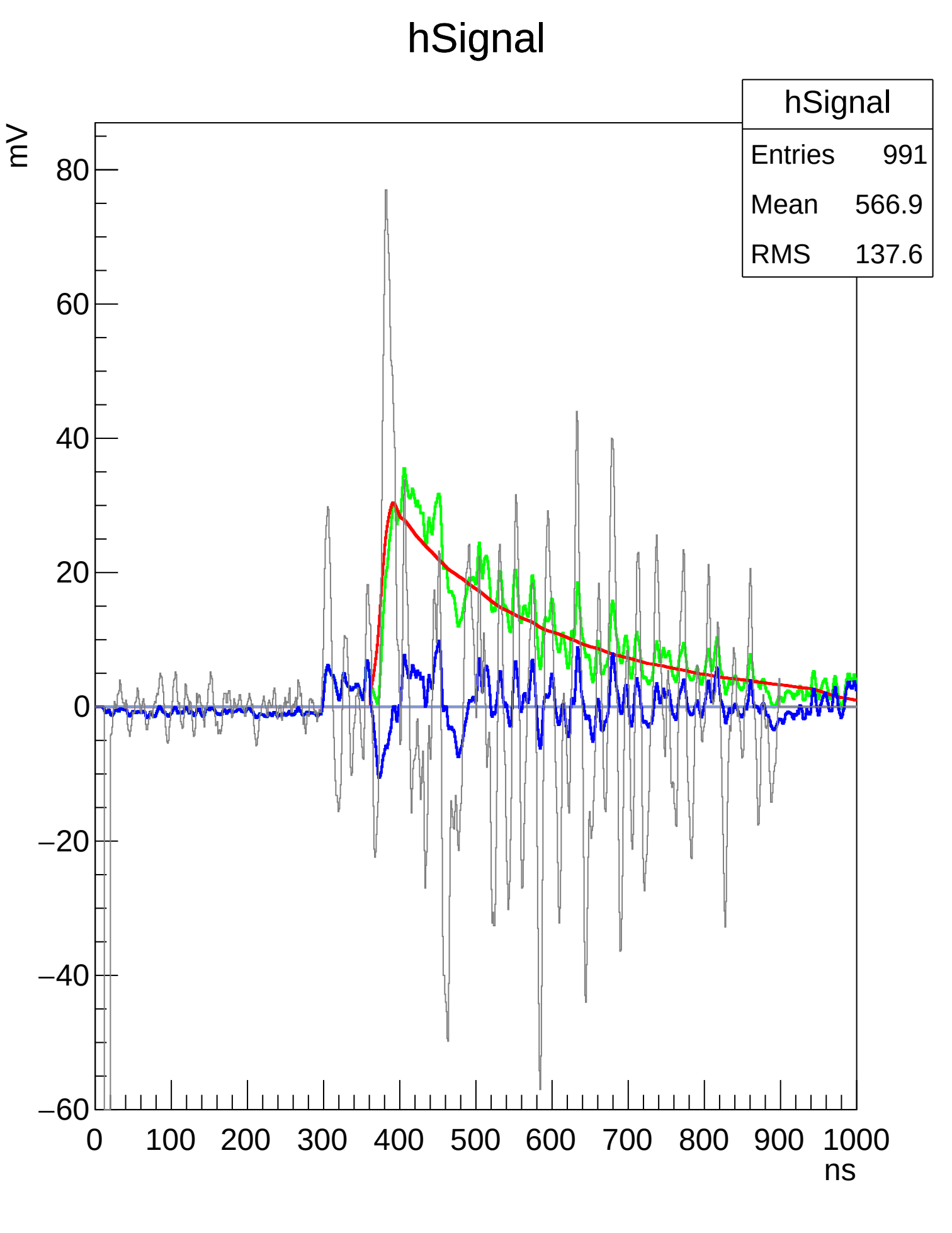
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 566.9
RMS 137.6
mV
80
60
40
20
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−20
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800
900
1000
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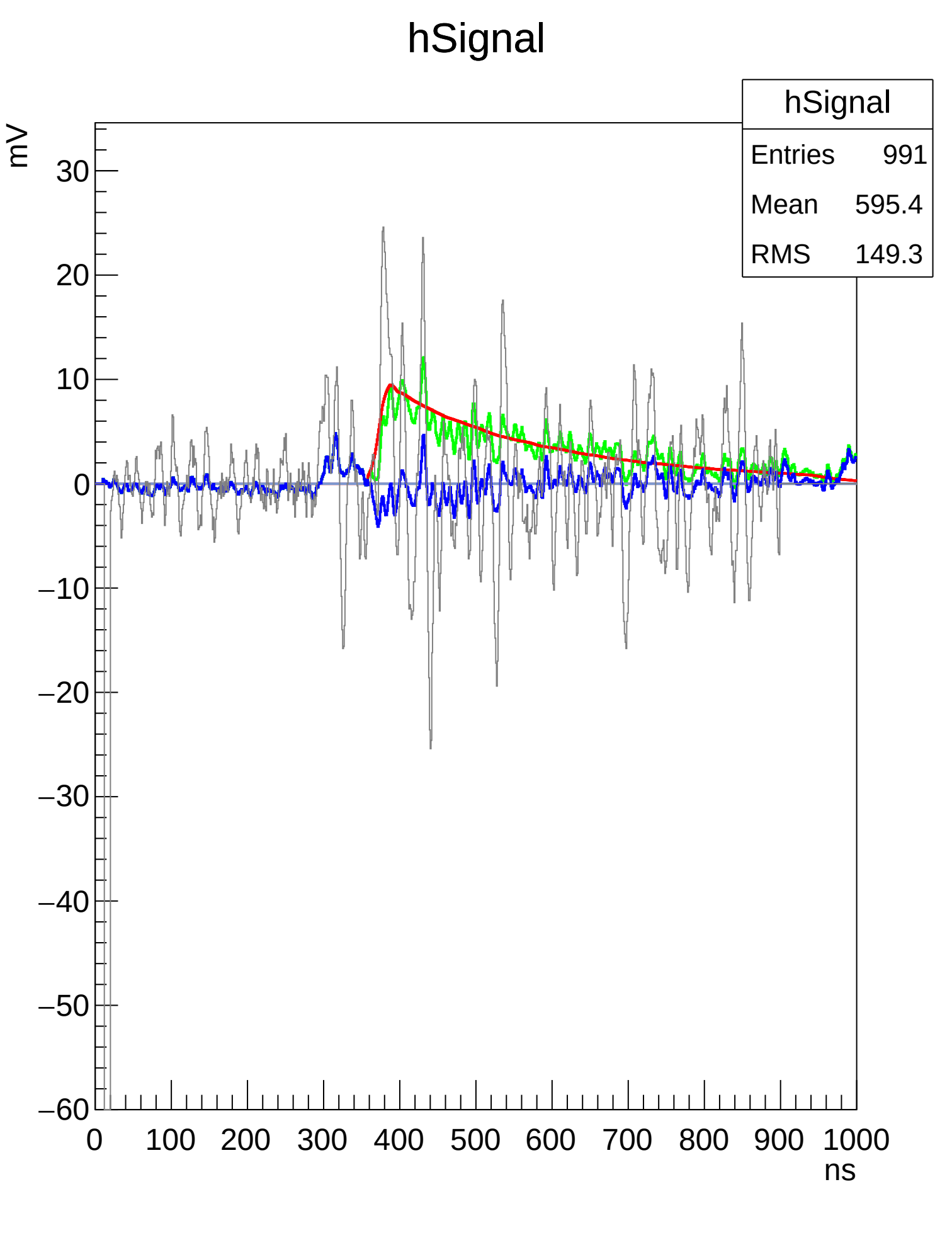
hSignal
hSignal
Entries 991
Mean 595.4
RMS 149.3
mV
30
20
10
0
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−40
−50
−60
0
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200
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400
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800
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1000
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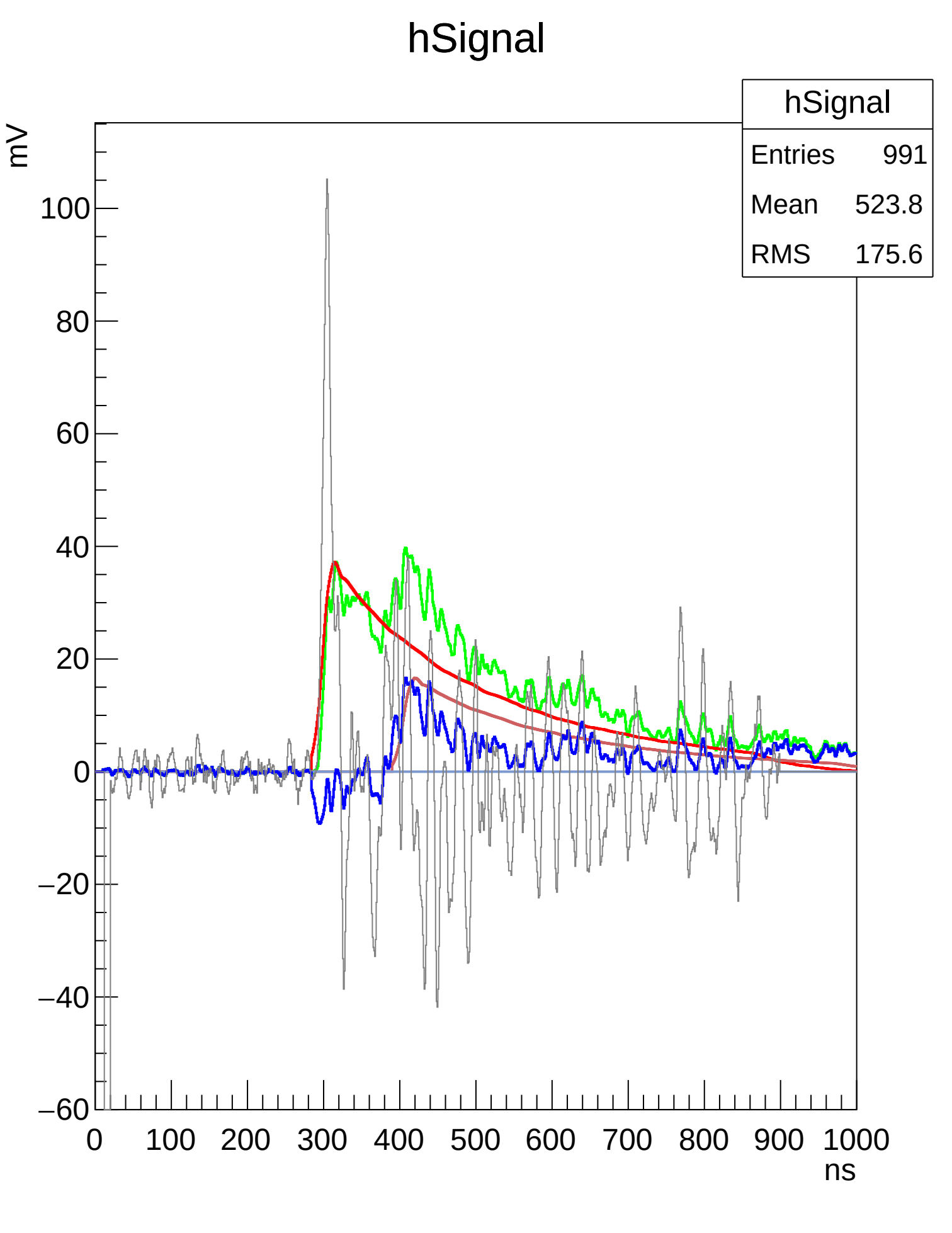
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hSignal
Entries 991
Mean 523.8
RMS 175.6
mV
100
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−20
−40
−60
0
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400
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800
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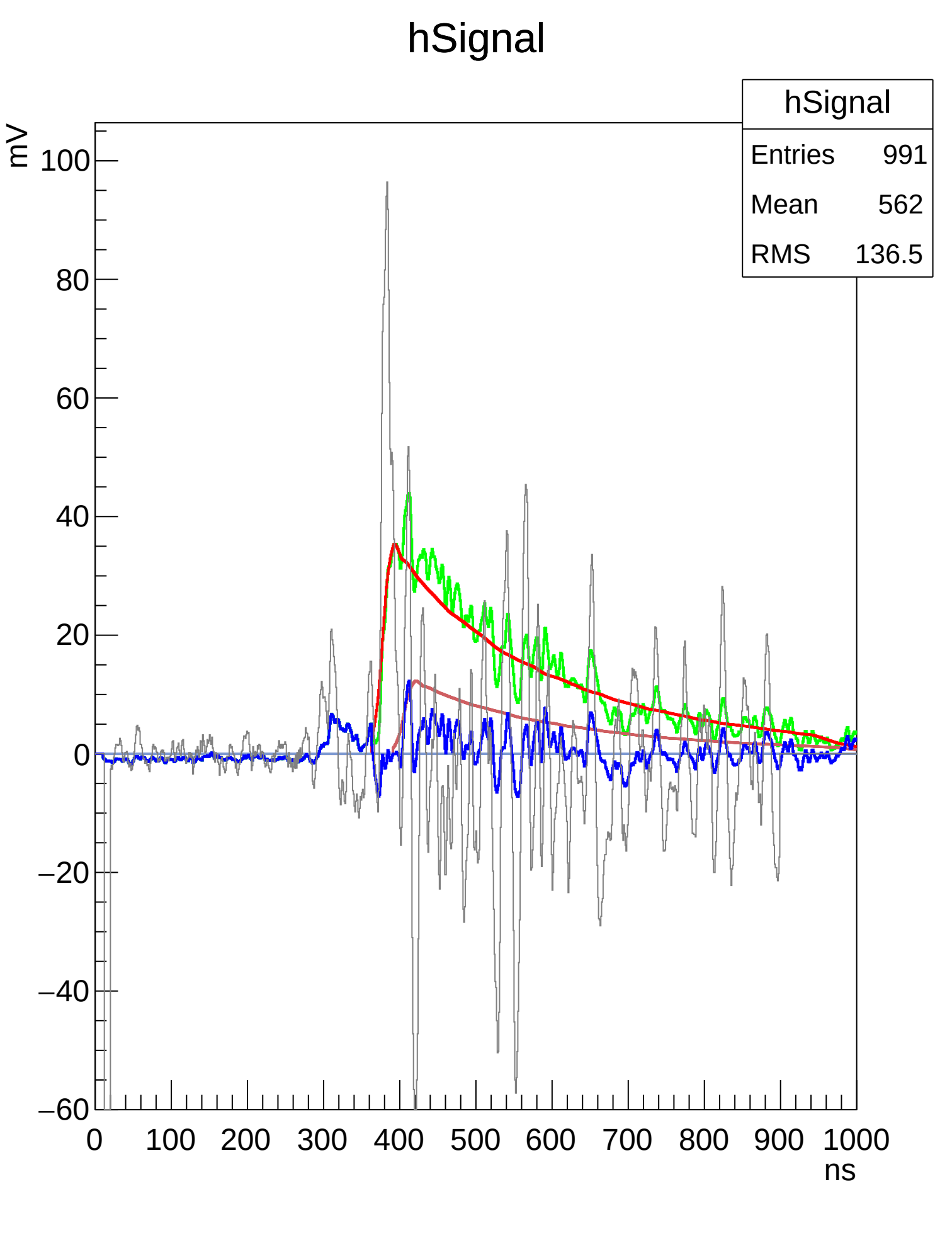
1000
ns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hSignal
Entries 991
Mean 562
RMS 136.5
mV
100
80
60
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−20
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400
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800
900
1000
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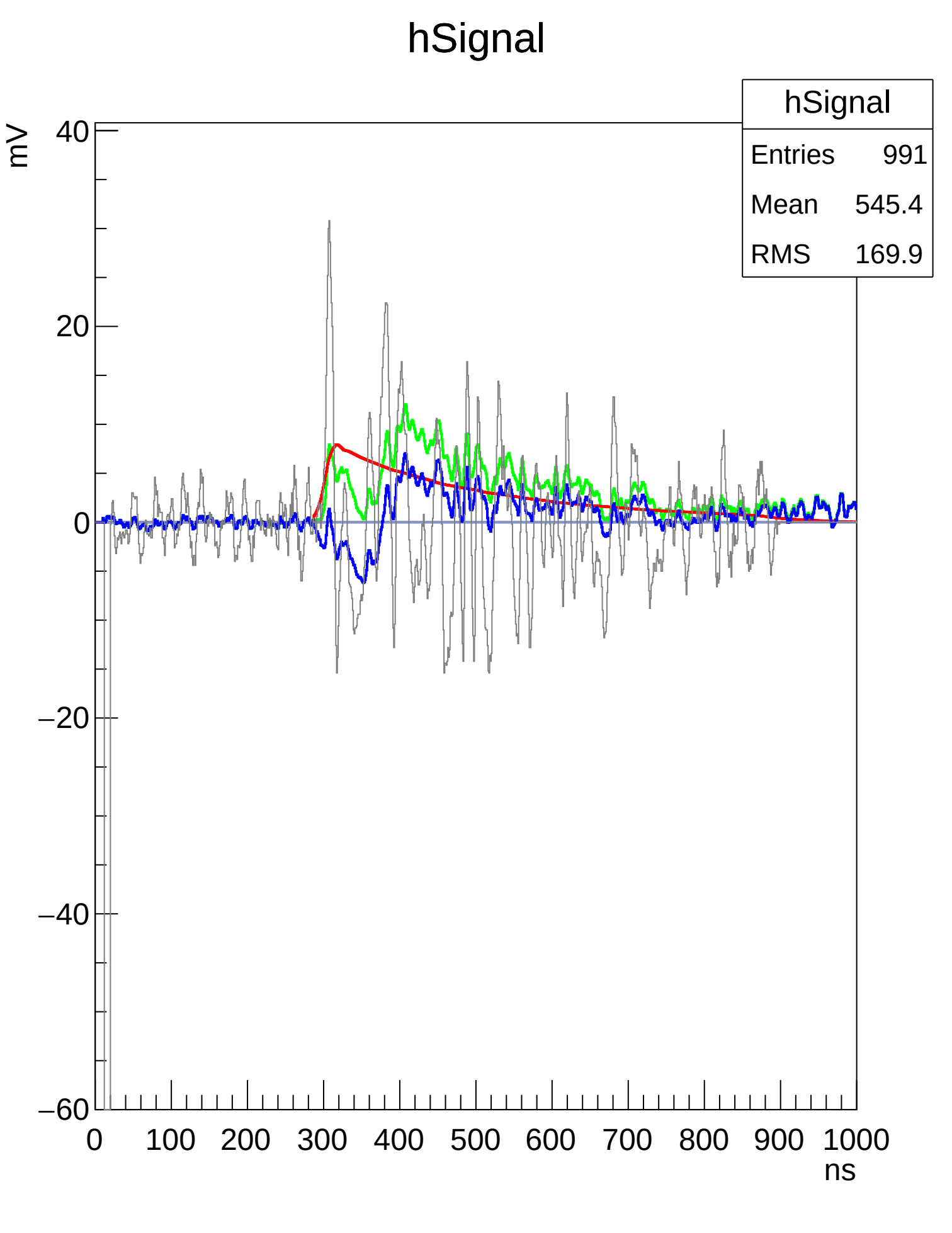
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hSignal
Entries 991
Mean 545.4
RMS 169.9
mV
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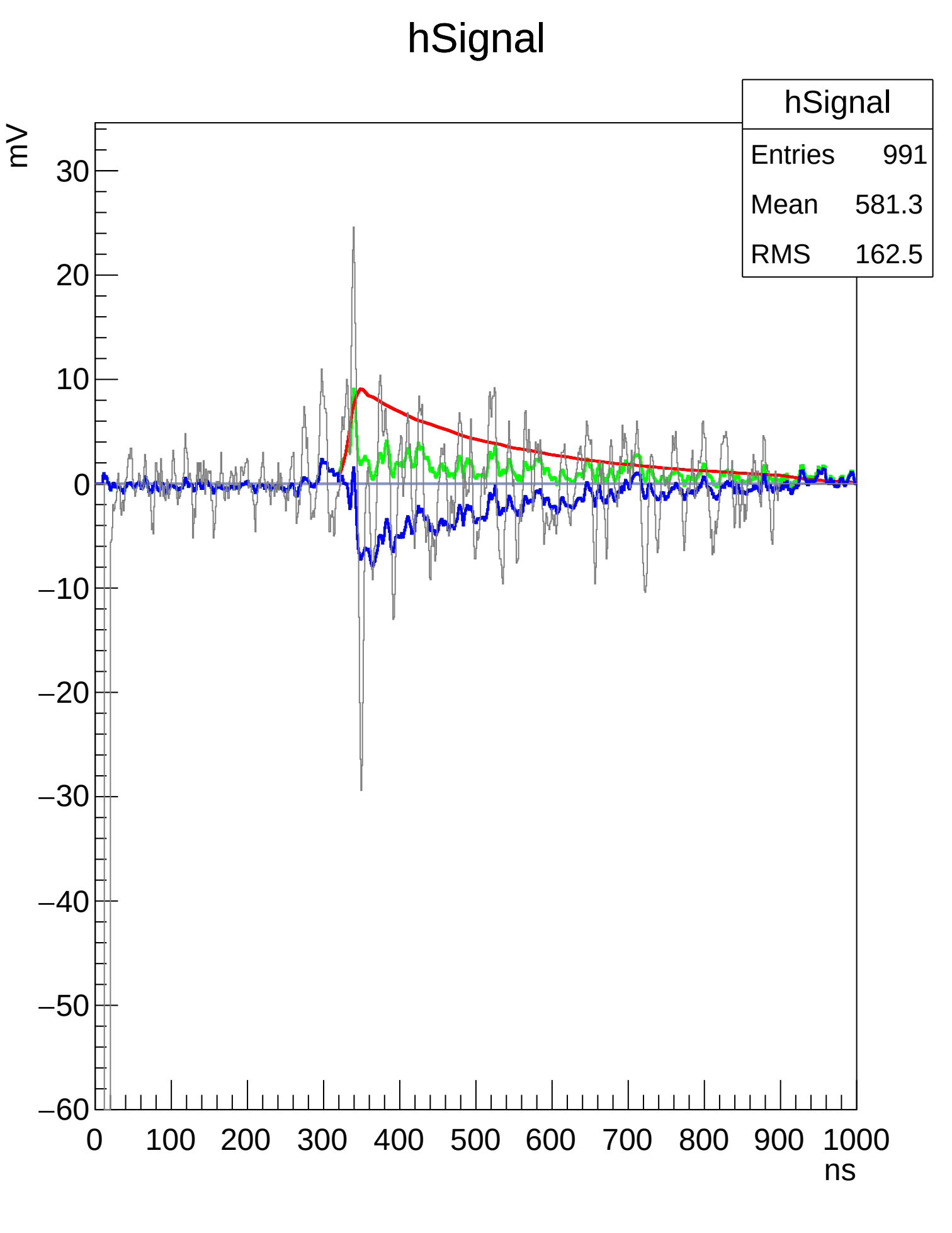
hSignal
hSignal
Entries 991
Mean 581.3
RMS 162.5
mV
30
20
10
0
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−50
−60
0
100
200
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400
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800
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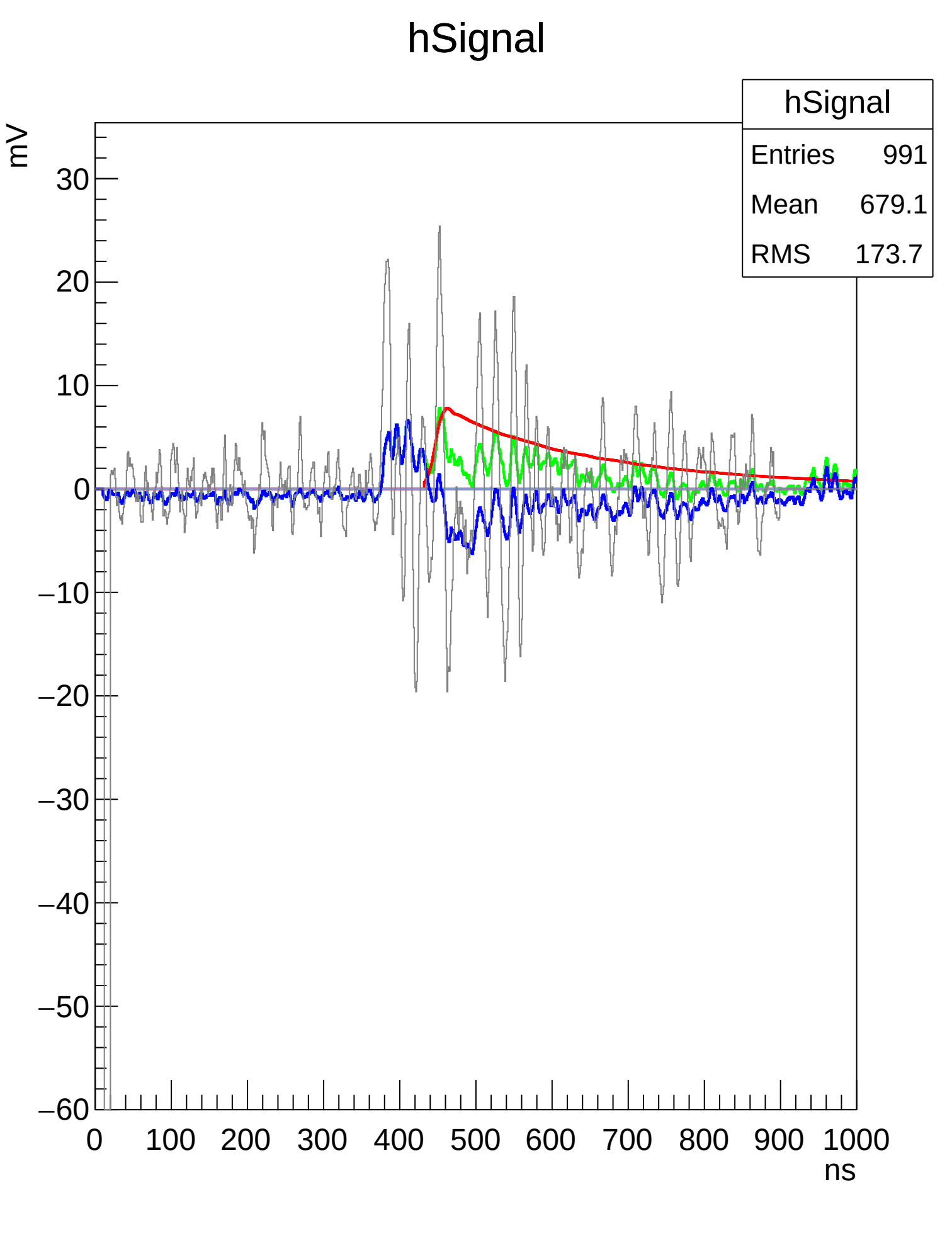
1000
ns


hSignal
hSignal
Entries 991
Mean 679.1
RMS 173.7
mV
30
20
10
0
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−40
−50
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0
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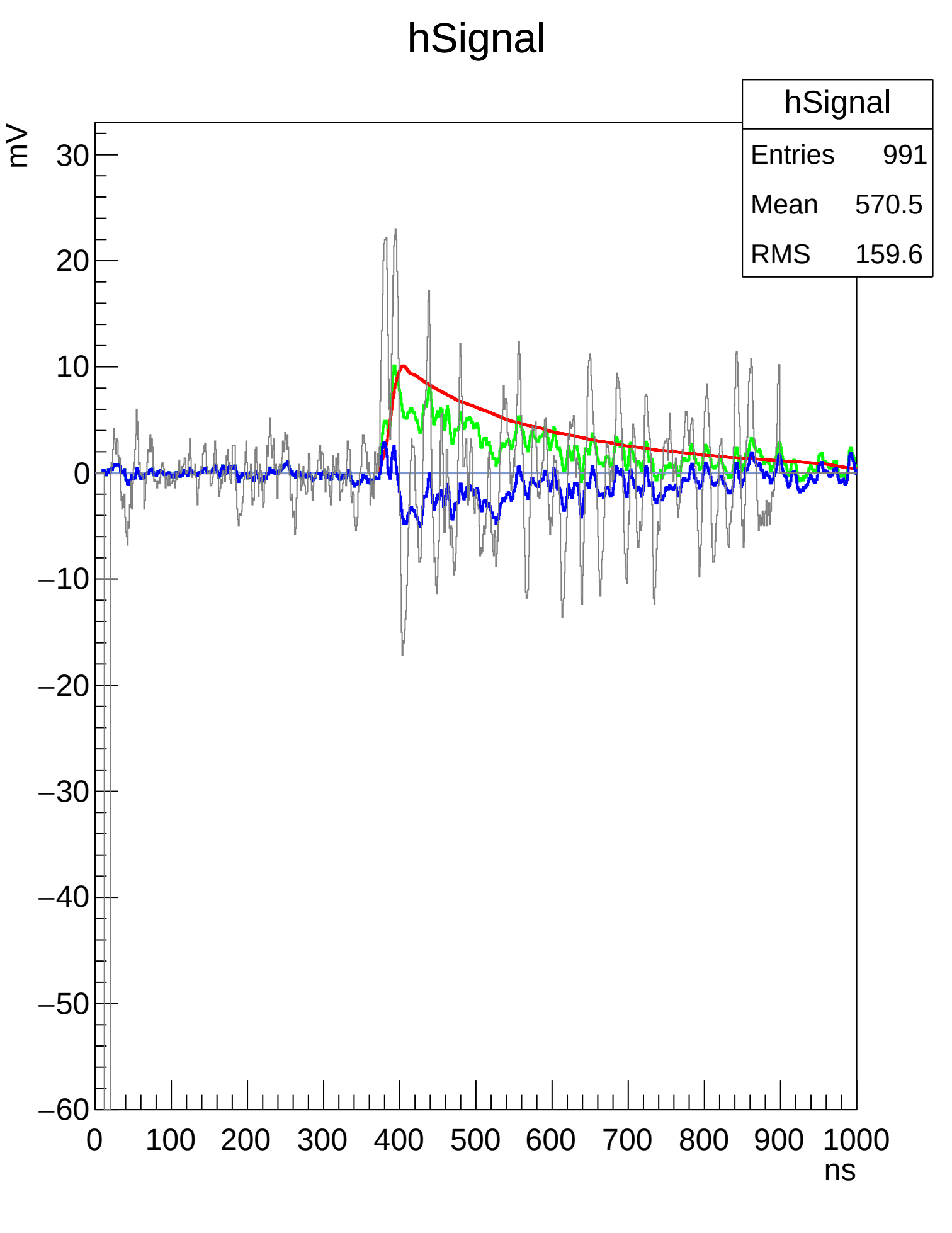
hSignal
hSignal
Entries 991
Mean 570.5
RMS 159.6
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
200
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400
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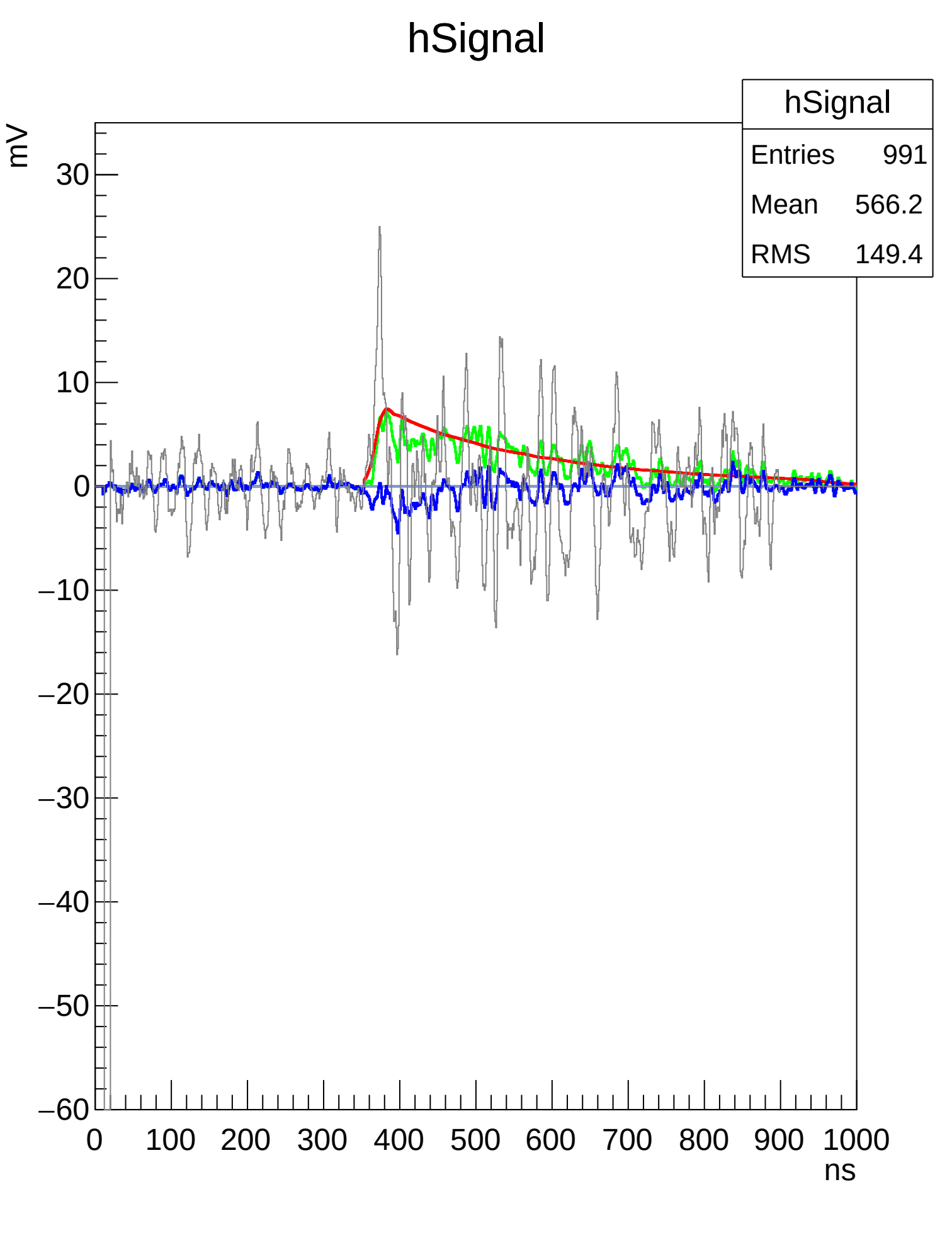
hSignal
hSignal
Entries 991
Mean 566.2
RMS 149.4
mV
30
20
10
0
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−40
−50
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0
100
200
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400
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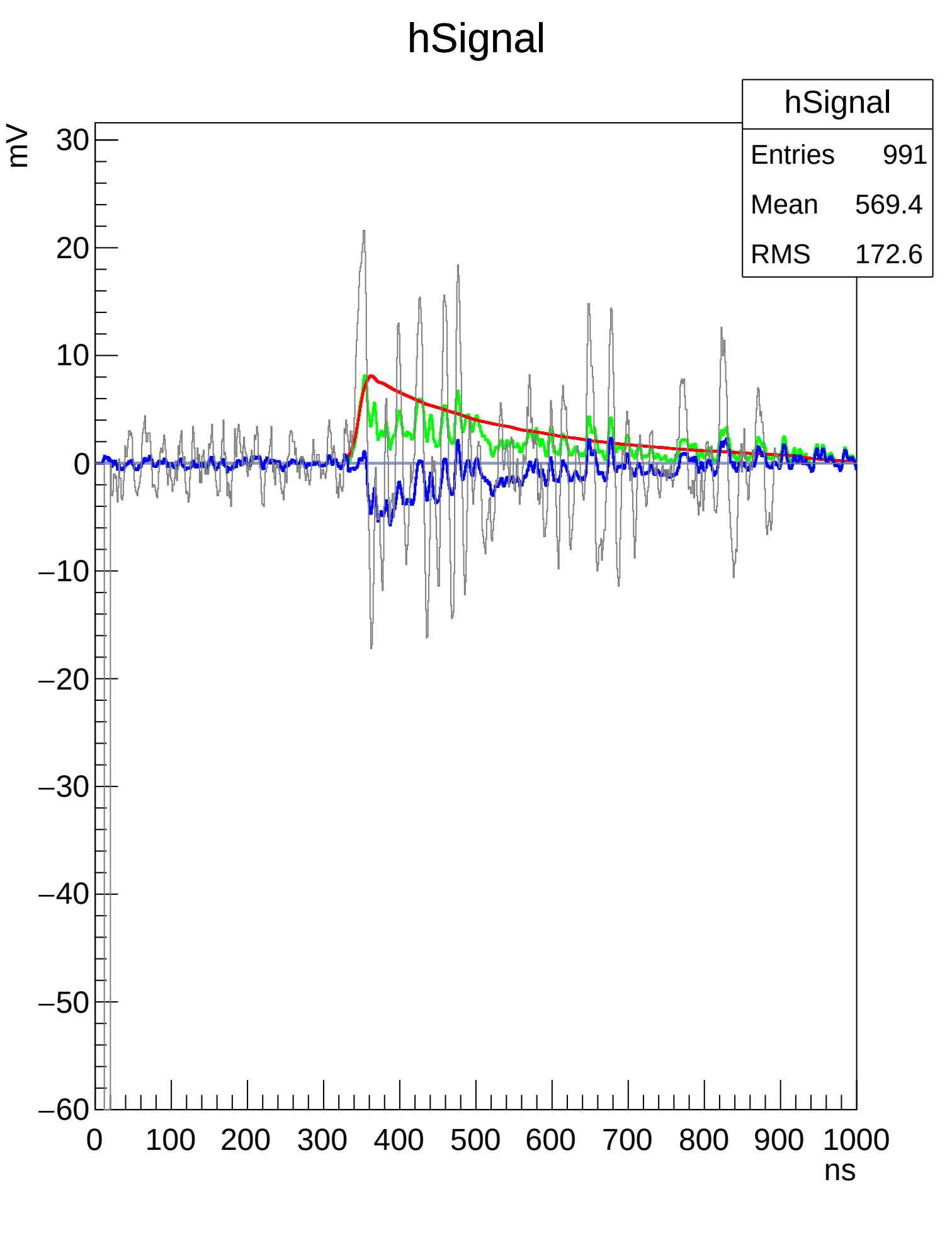
hSignal
hSignal
Entries 991
Mean 569.4
RMS 172.6
mV
30
20
10
0
−10
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0
100
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400
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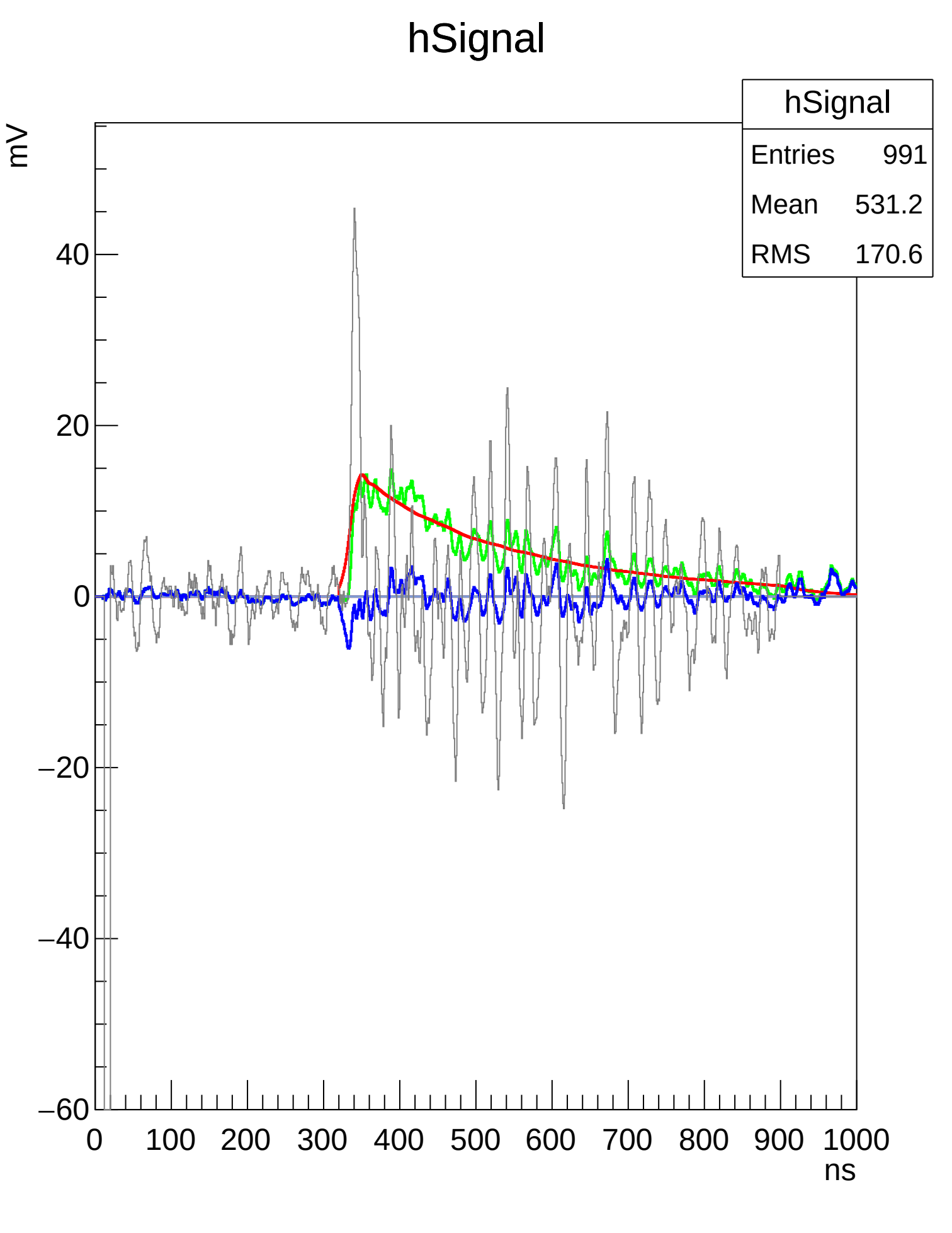
hSignal
hSignal
Entries 991
Mean 531.2
RMS 170.6
mV
40
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−20
−40
−60
0
100
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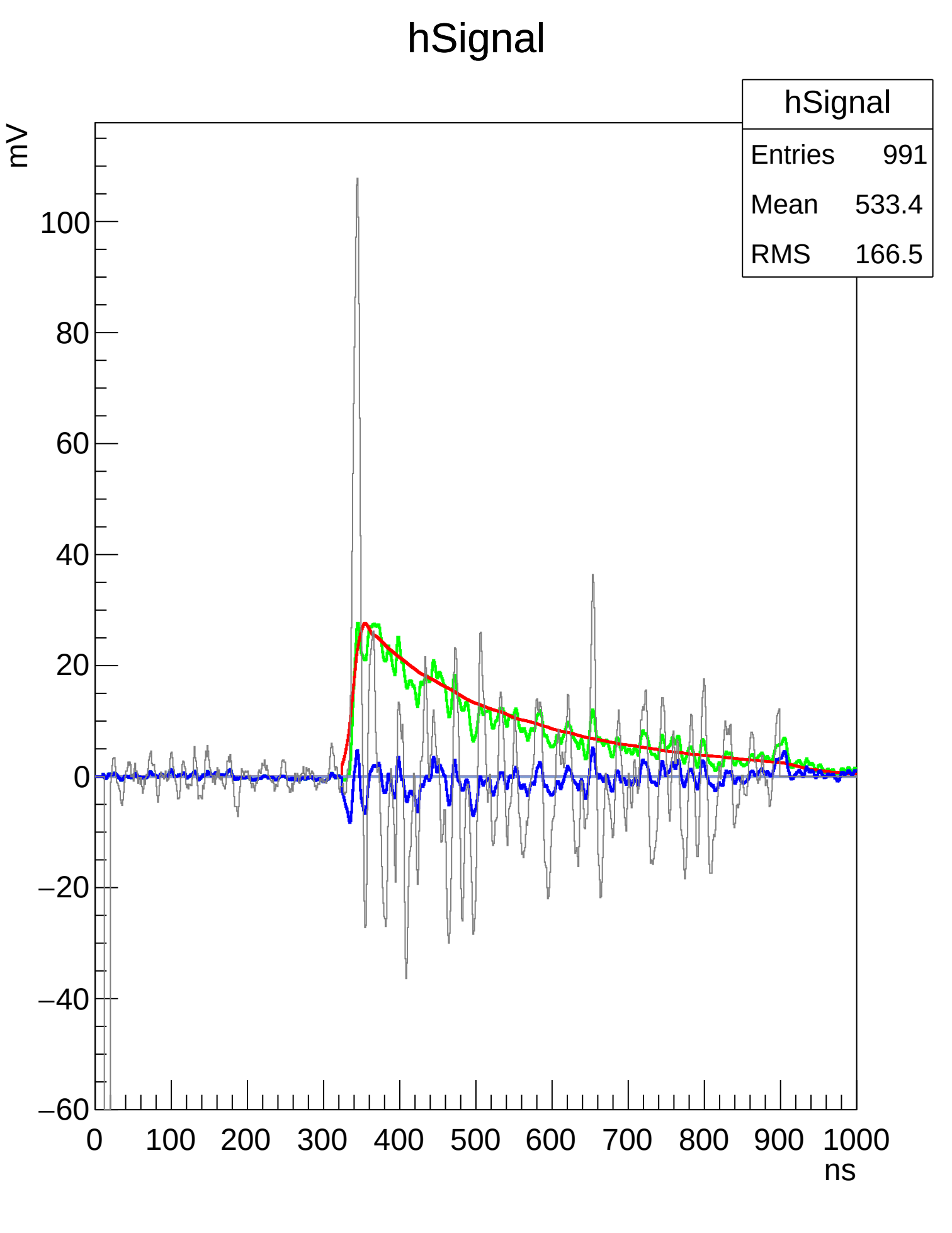
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.4
RMS 166.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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800
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1000
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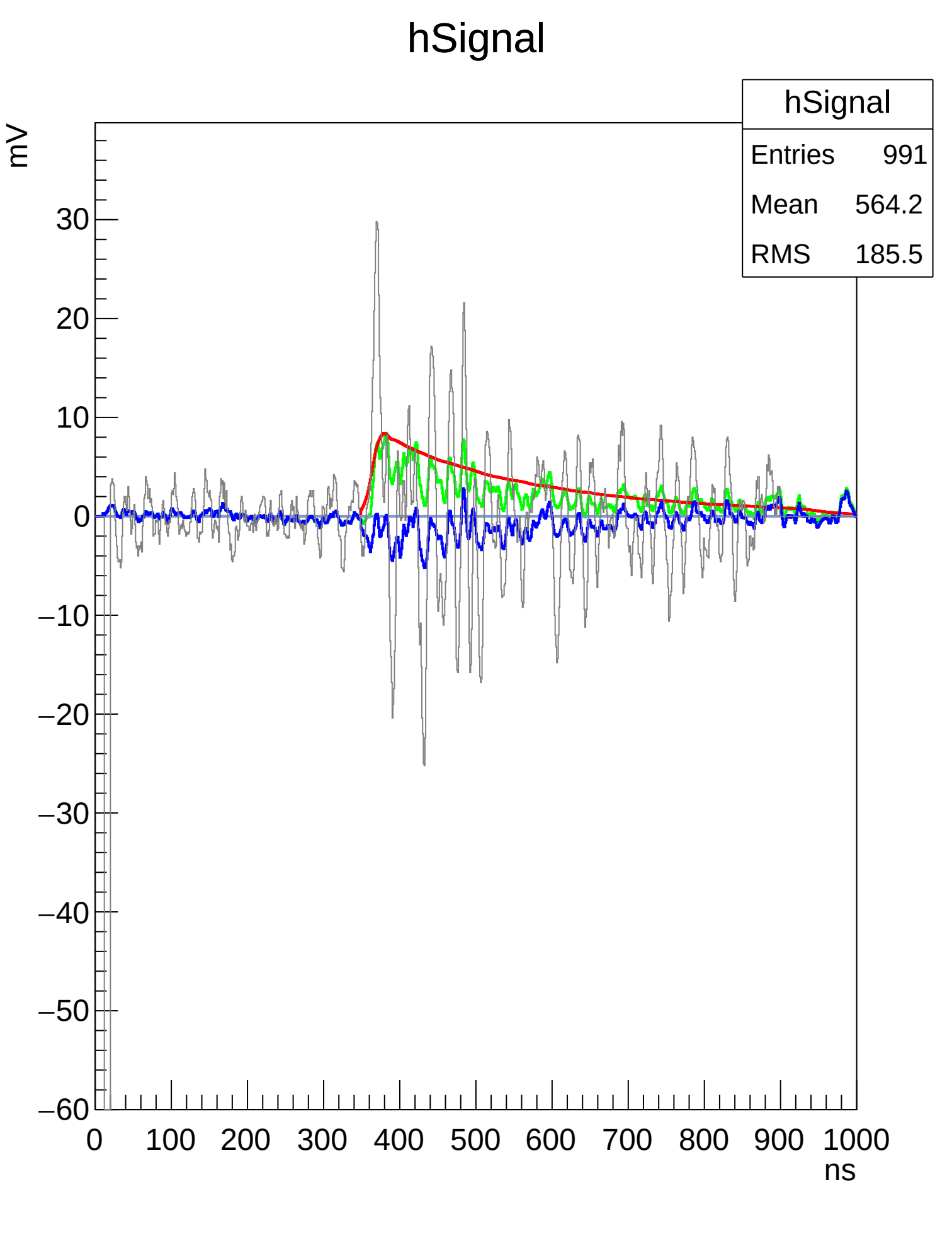
hSignal
hSignal
Entries 991
Mean 564.2
RMS 185.5
mV
30
20
10
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−50
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0
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400
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1000
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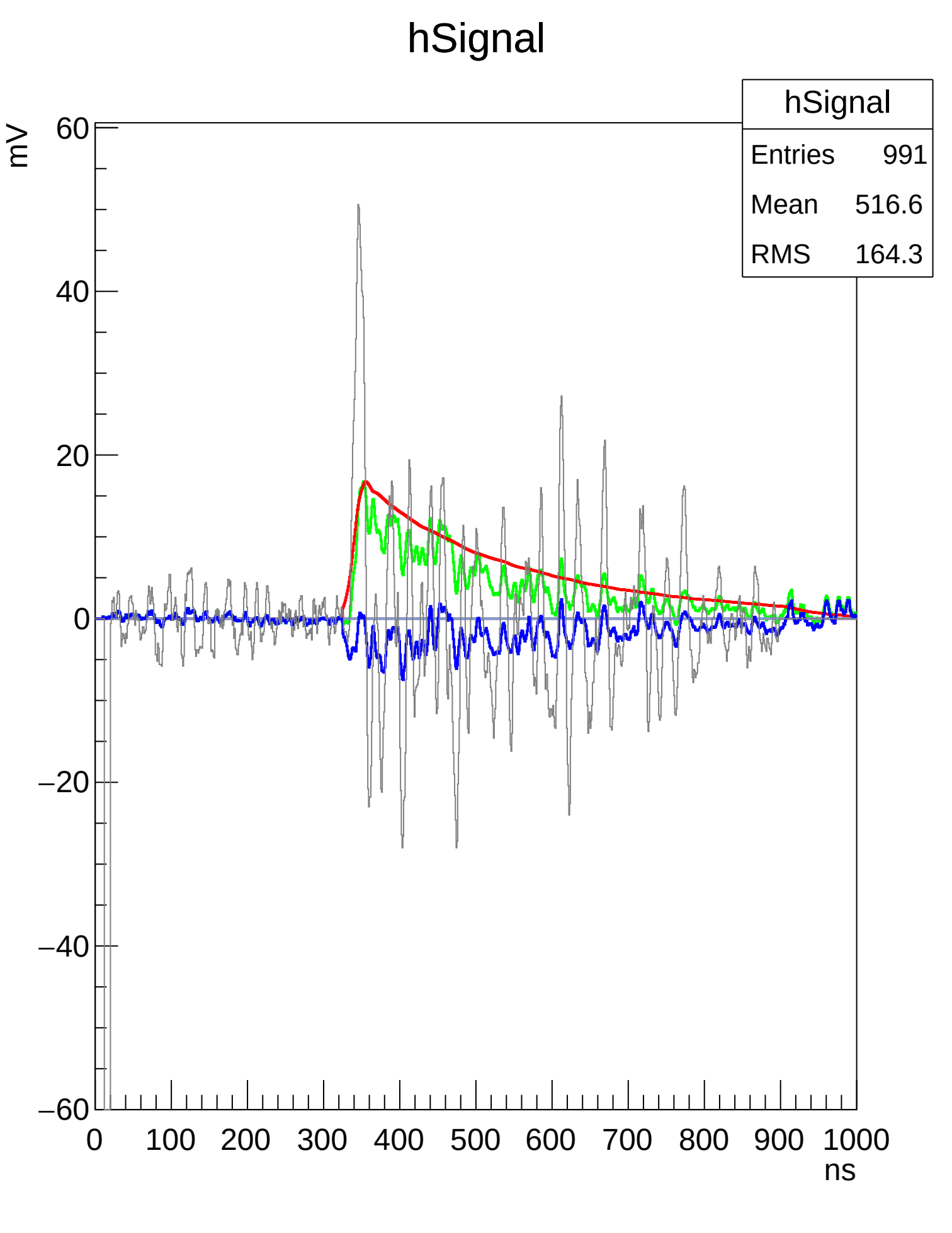
hSignal
hSignal
Entries 991
Mean 516.6
RMS 164.3
mV
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−20
−40
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0
100
200
300
400
500
600
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800
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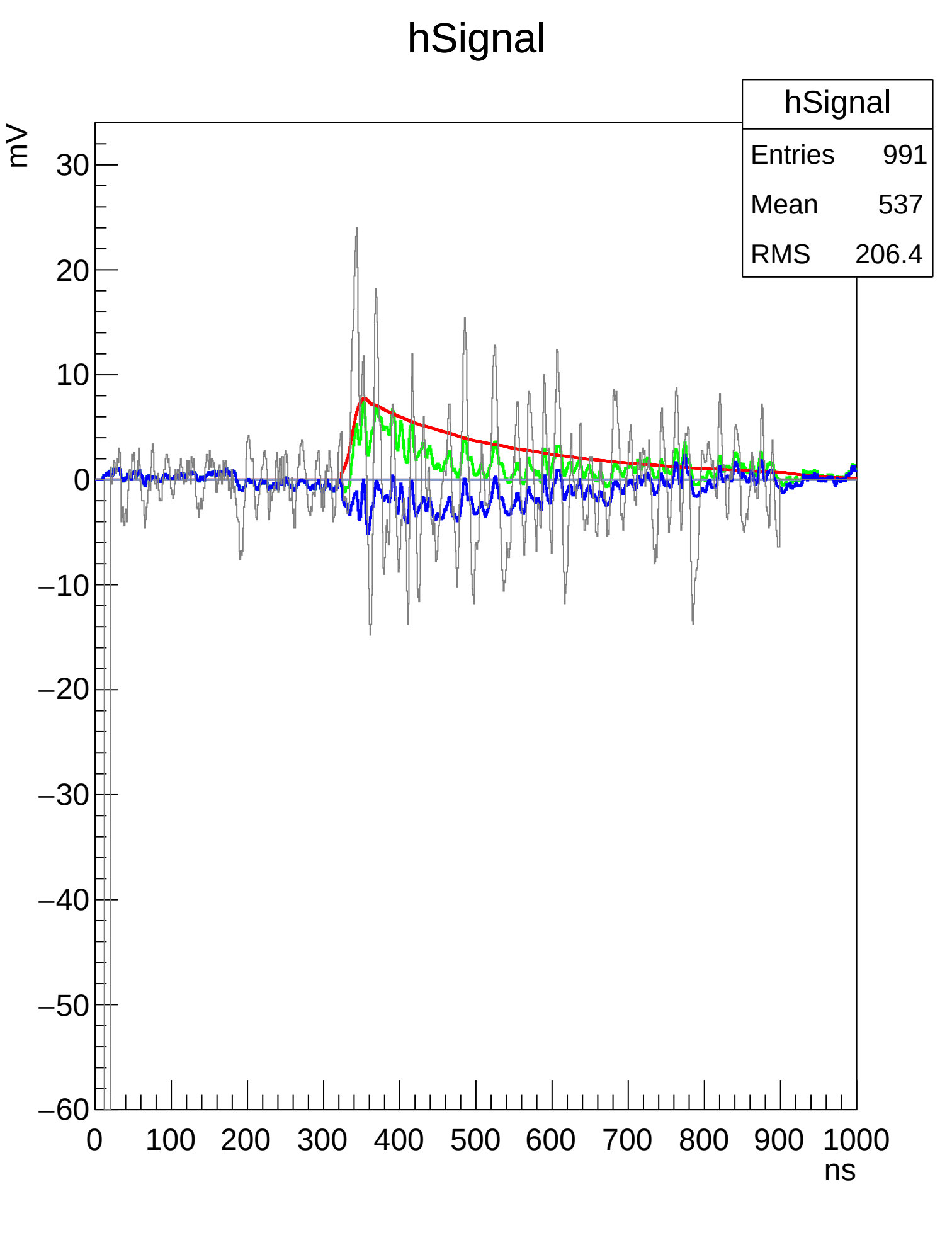
1000
ns


hSignal
hSignal
Entries 991
Mean 537
RMS 206.4
mV
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20
10
0
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−20
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−40
−50
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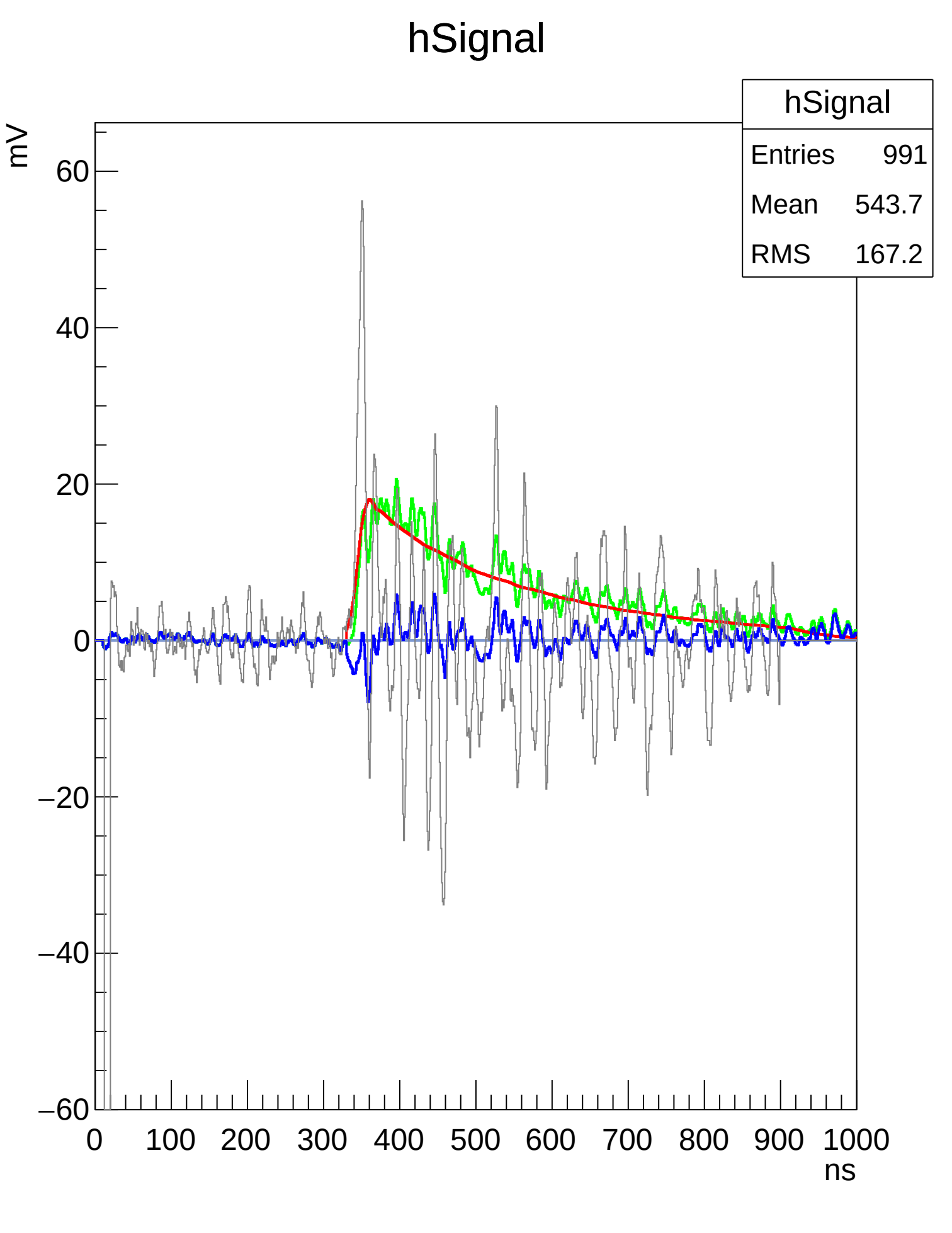
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 543.7
RMS 167.2
mV
60
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−20
−40
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0
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400
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800
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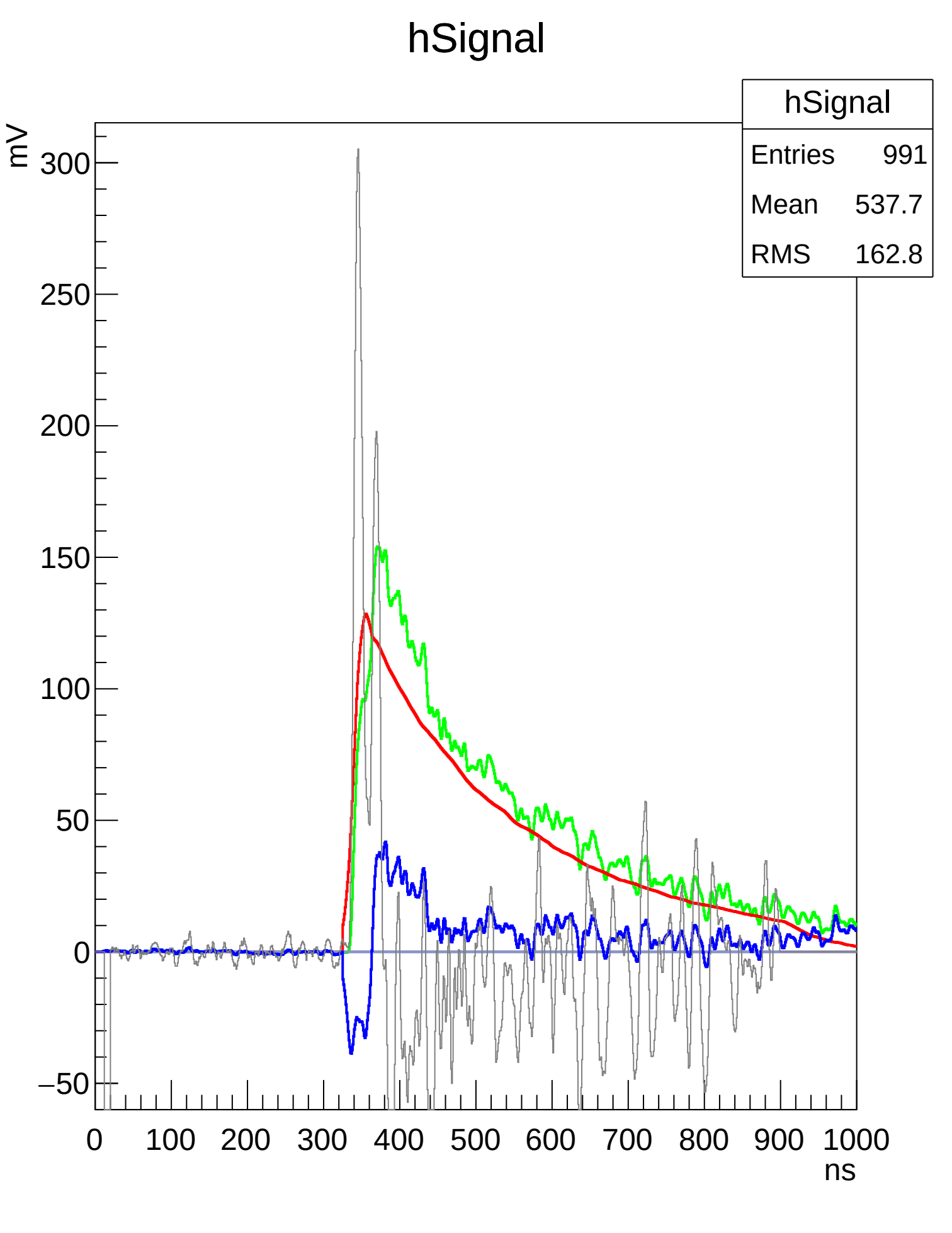
1000
ns


hSignal
hSignal
Entries 991
Mean 537.7
RMS 162.8
mV
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200
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100
50
0
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800
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1000
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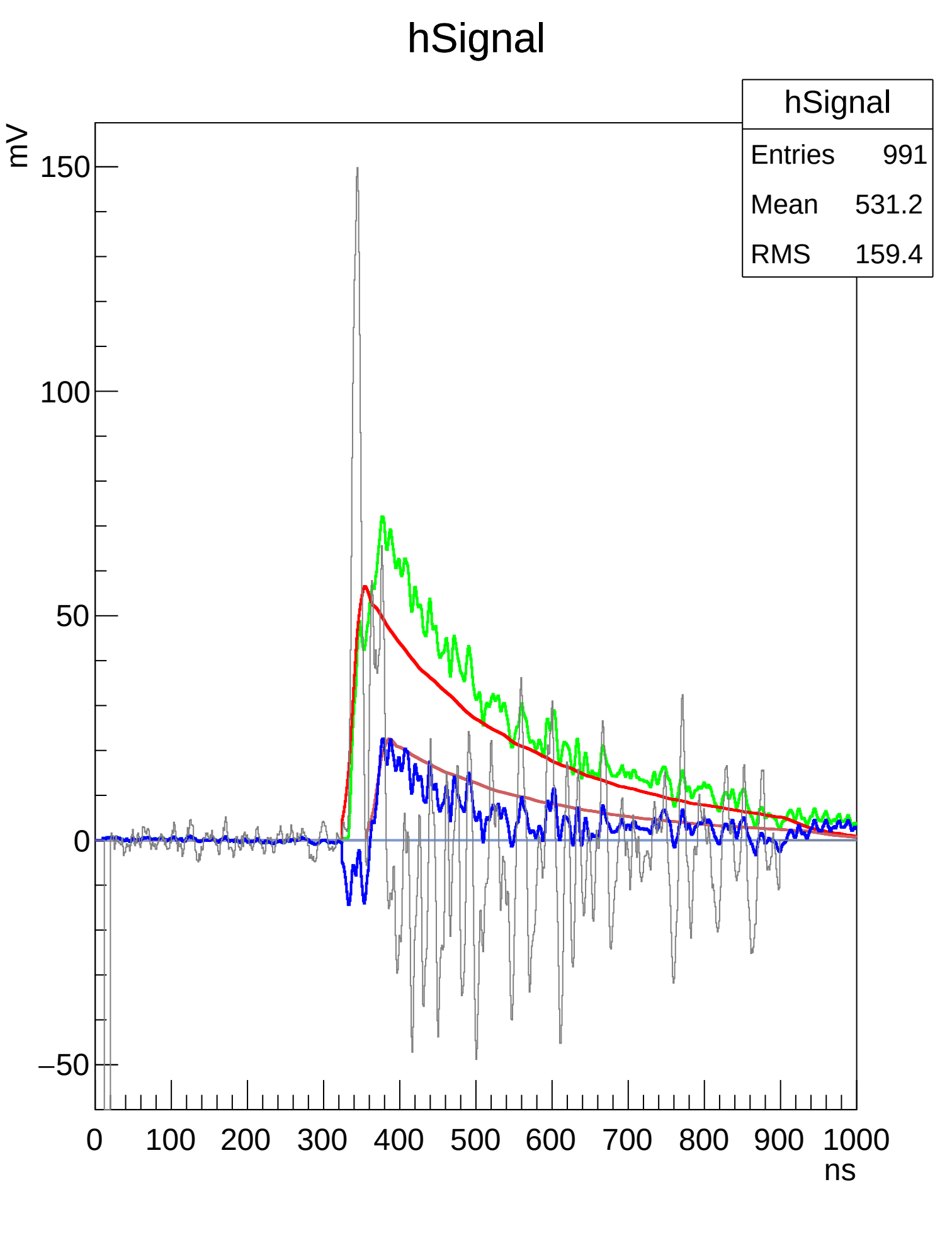
hSignal
hSignal
Entries 991
Mean 531.2
RMS 159.4
mV
150
100
50
0
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100
200
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800
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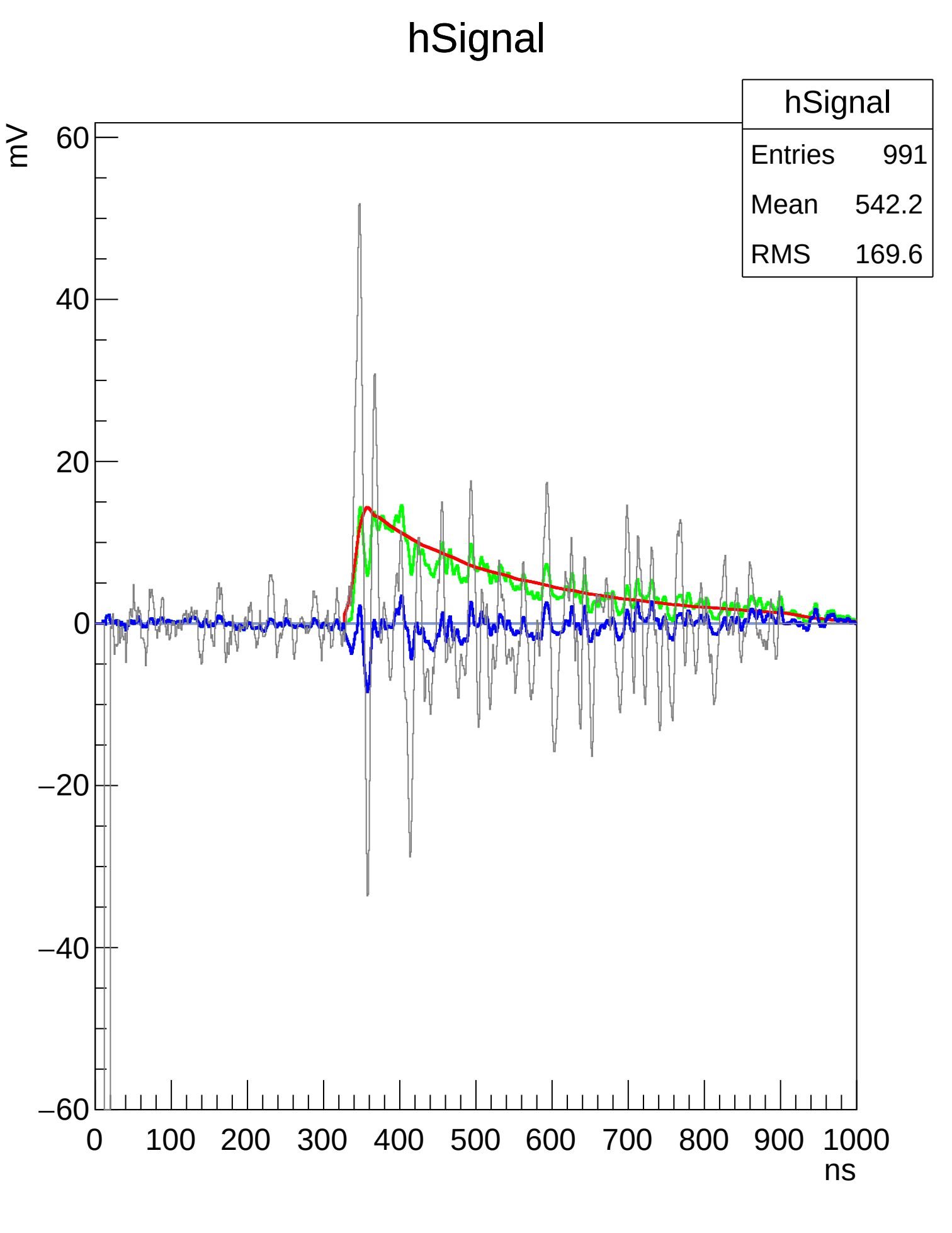
1000
ns


hSignal
hSignal
Entries 991
Mean 542.2
RMS 169.6
mV
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40
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1000
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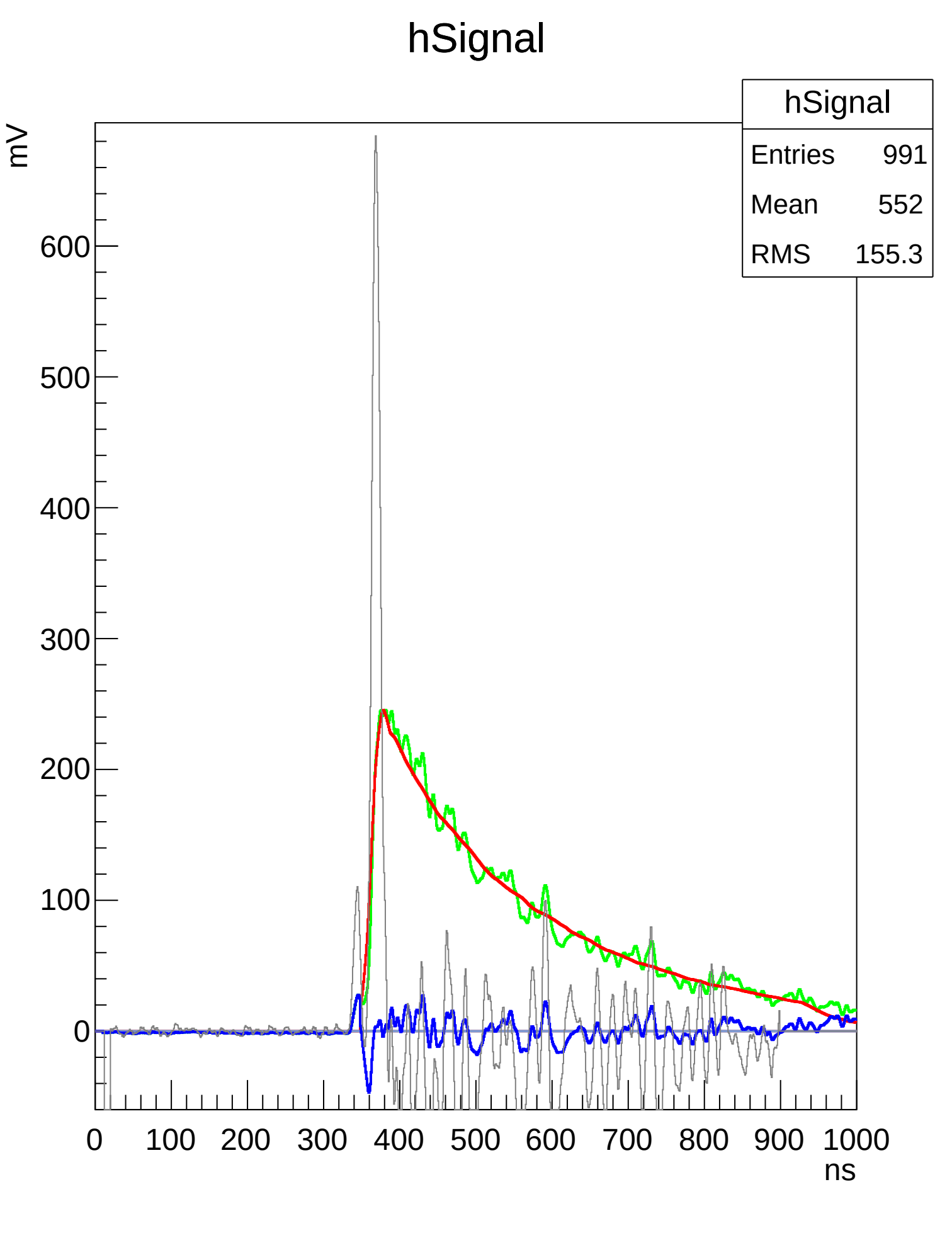
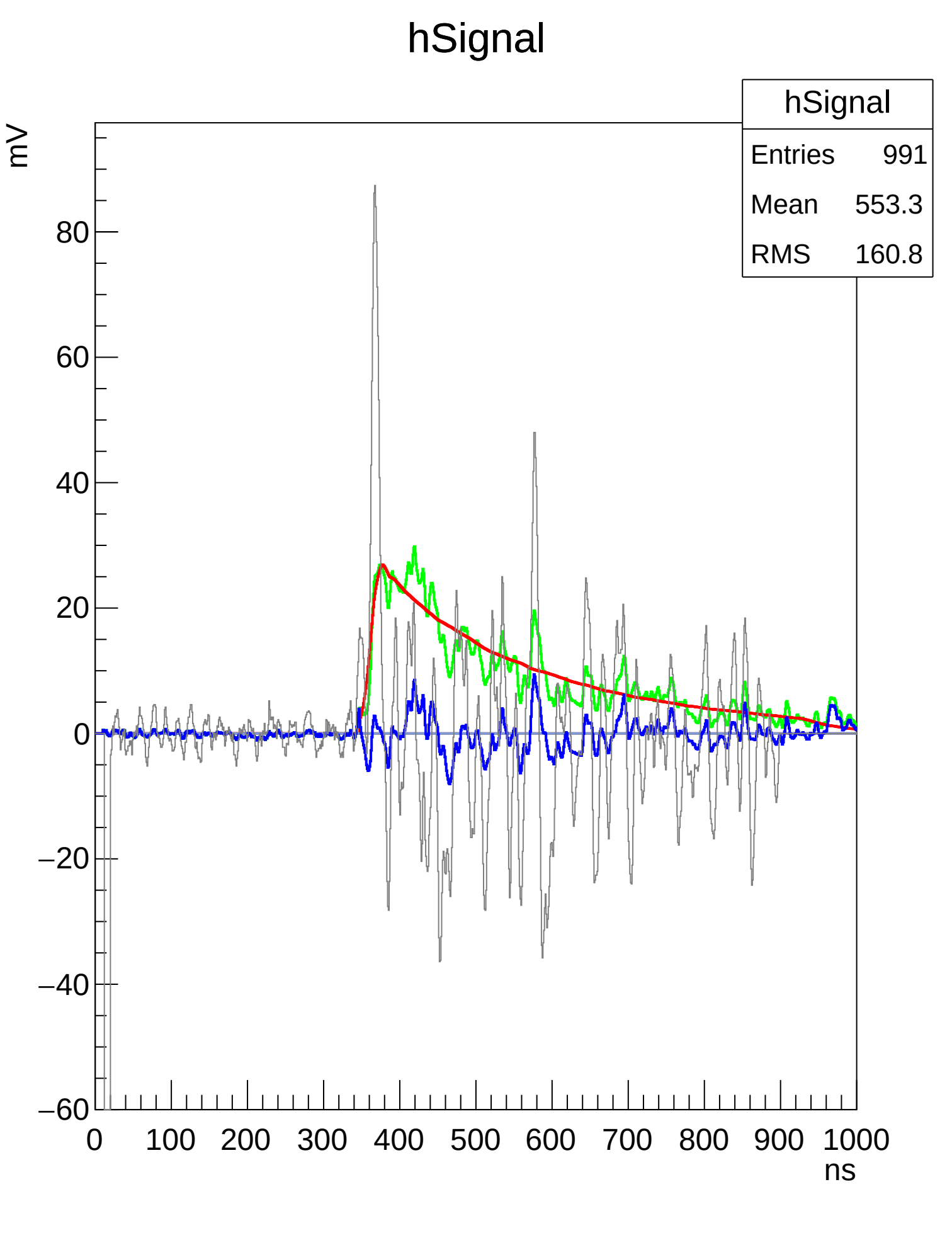

hSignal
hSignal
Entries 991
Mean 552
RMS 155.3
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 553.3
RMS 160.8
mV
80
60
40
20
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−20
−40
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0
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400
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1000
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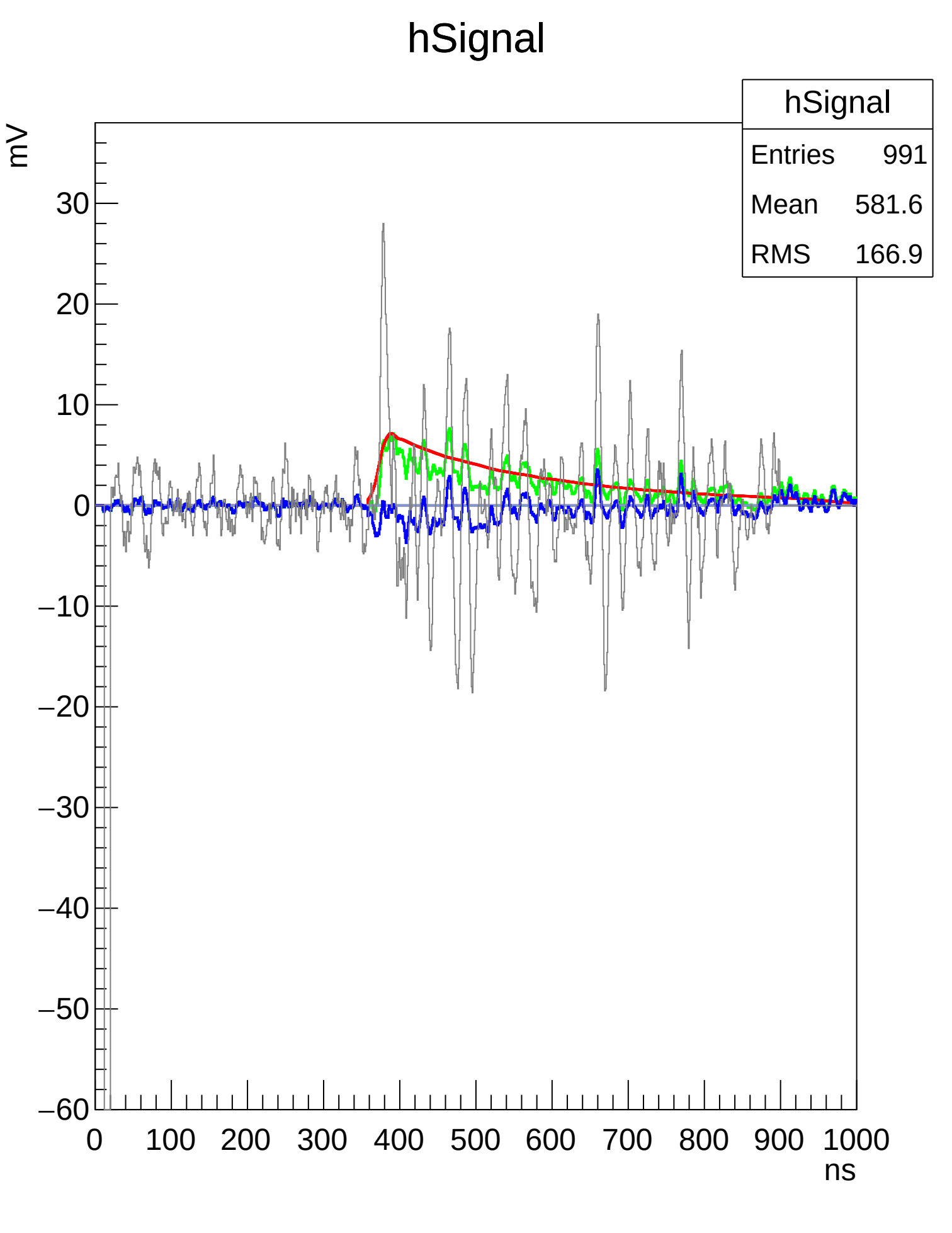
hSignal
hSignal
Entries 991
Mean 581.6
RMS 166.9
mV
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10
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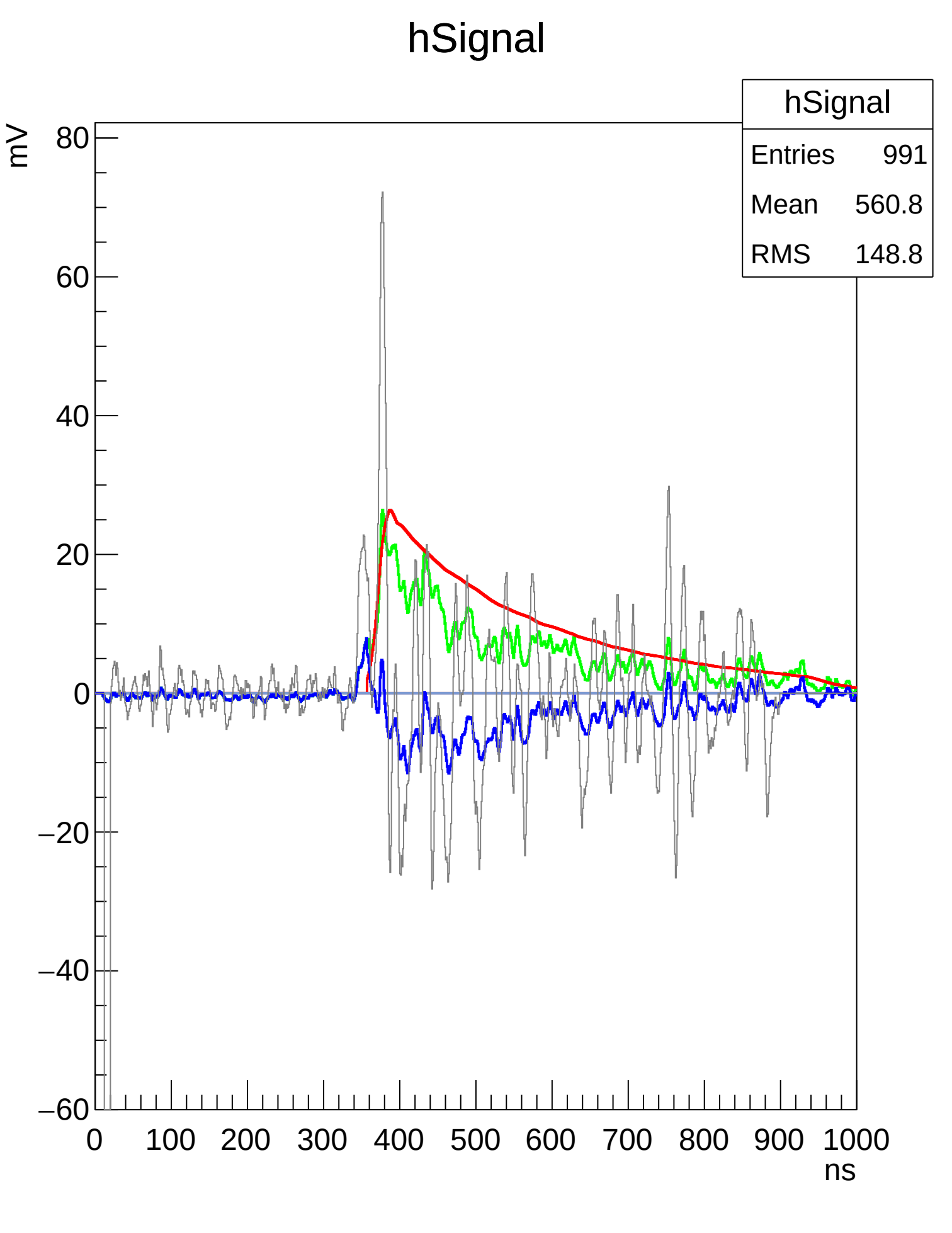
hSignal
hSignal
Entries 991
Mean 560.8
RMS 148.8
mV
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40
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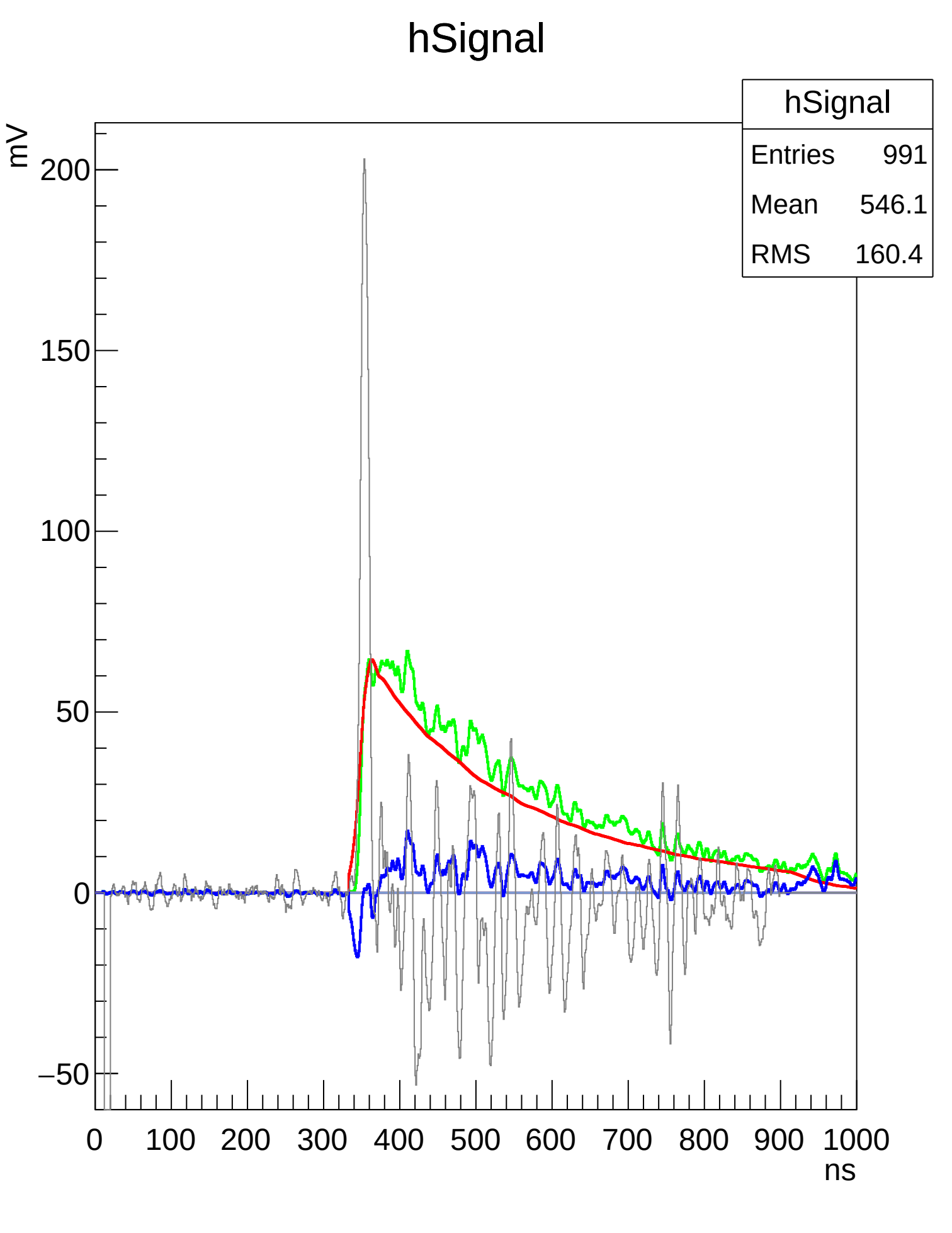
hSignal
hSignal
Entries 991
Mean 546.1
RMS 160.4
mV
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100
50
0
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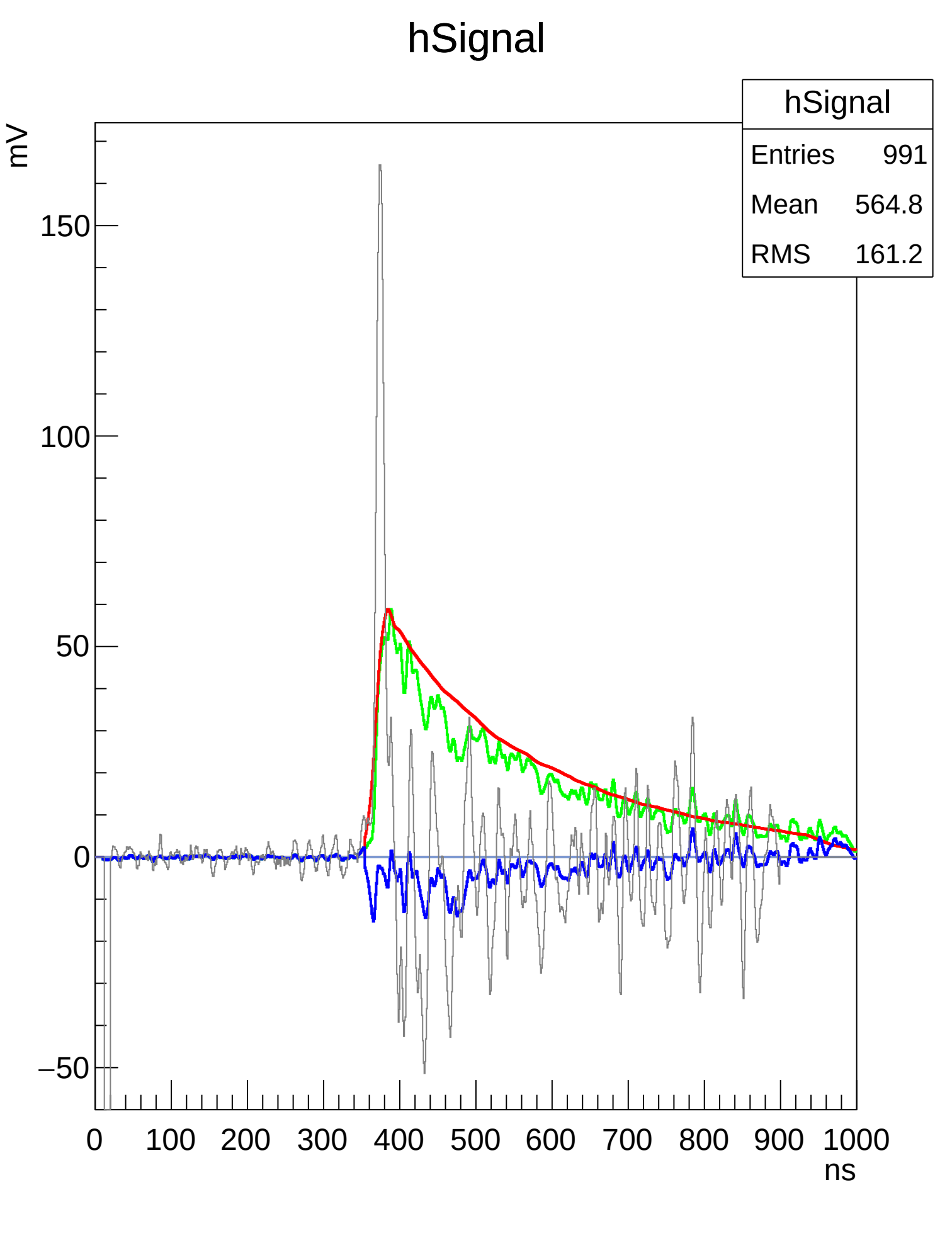
hSignal
hSignal
Entries 991
Mean 564.8
RMS 161.2
mV
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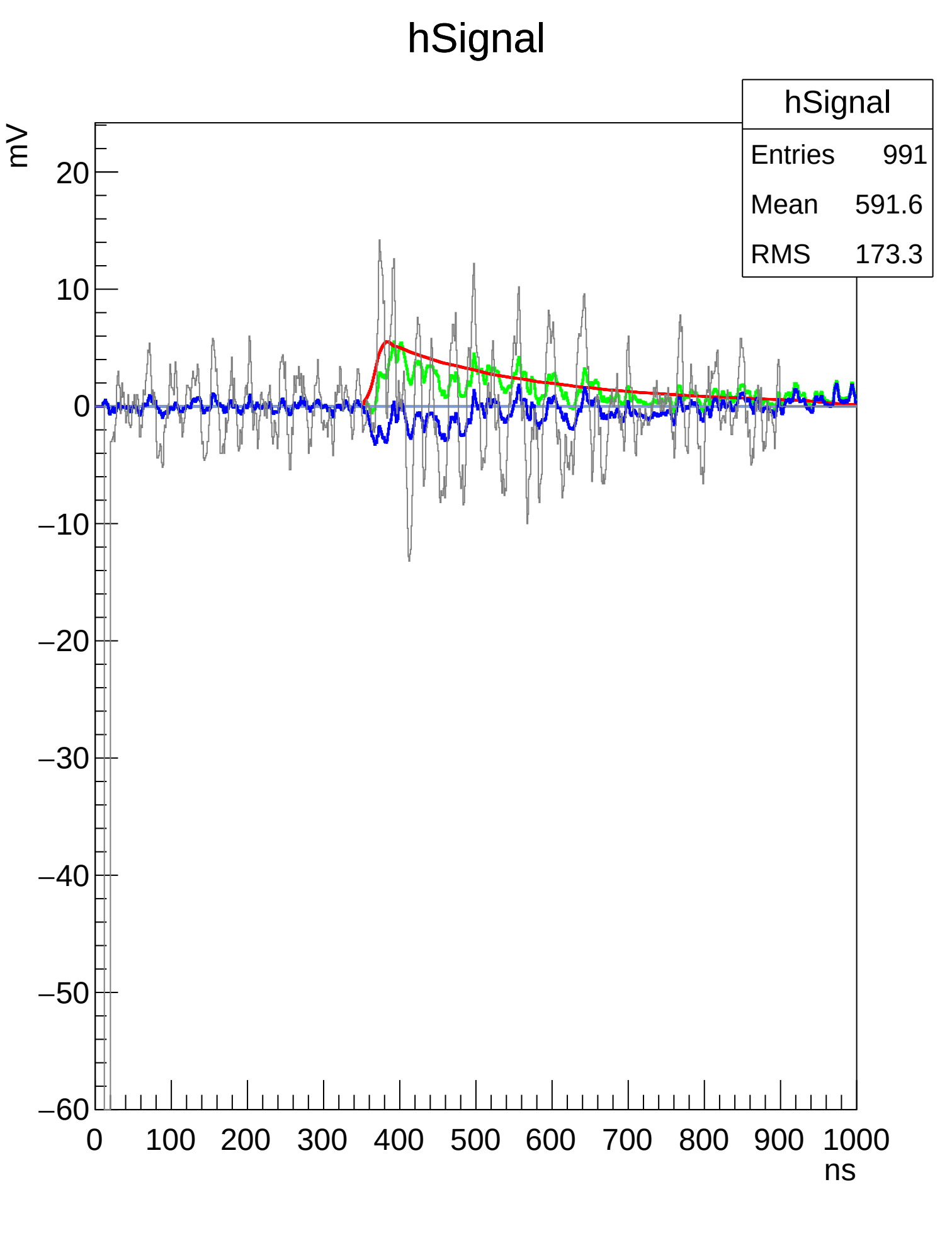
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.6
RMS 173.3
mV
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0
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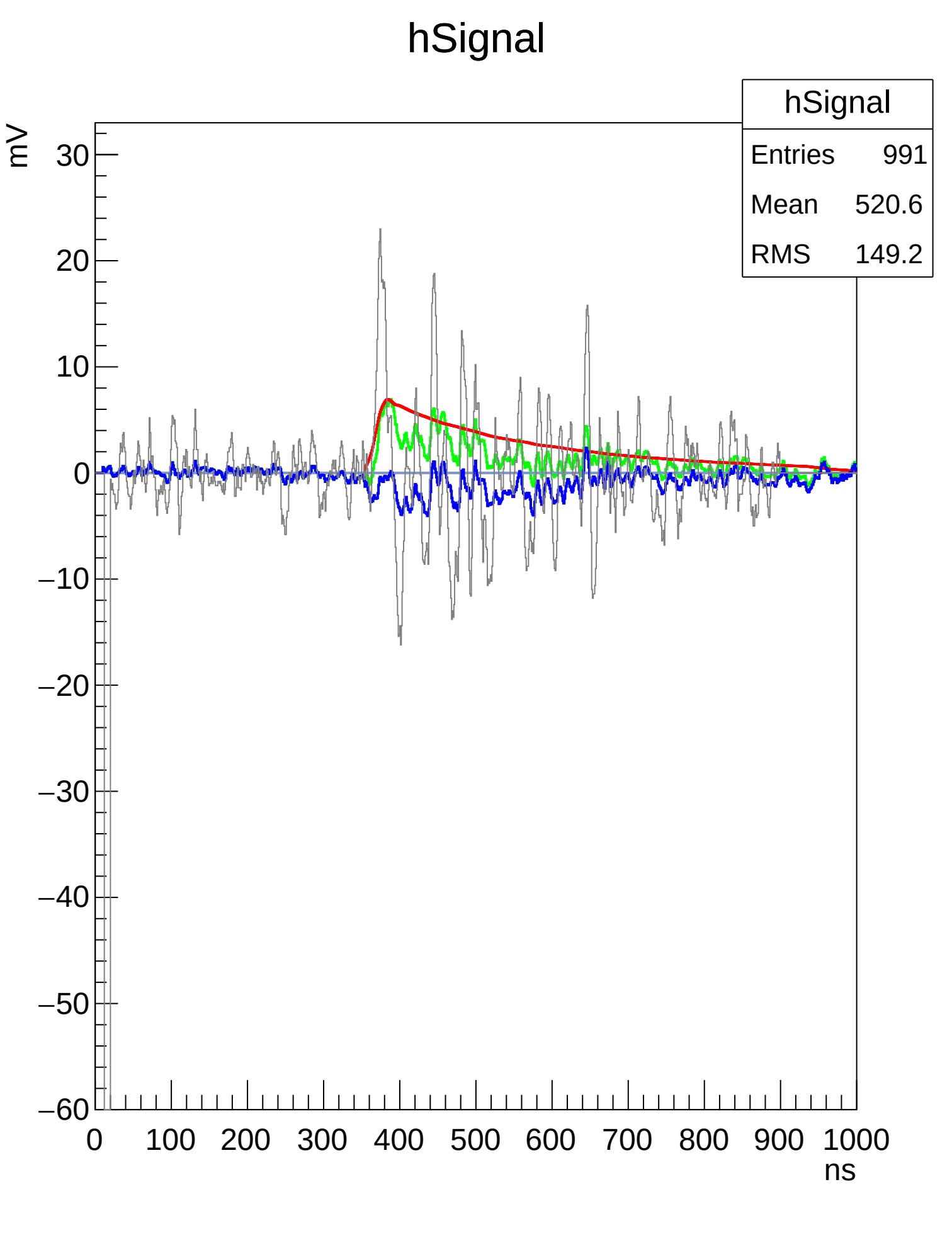
hSignal
hSignal
Entries 991
Mean 520.6
RMS 149.2
mV
30
20
10
0
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−20
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−50
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0
100
200
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600
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800
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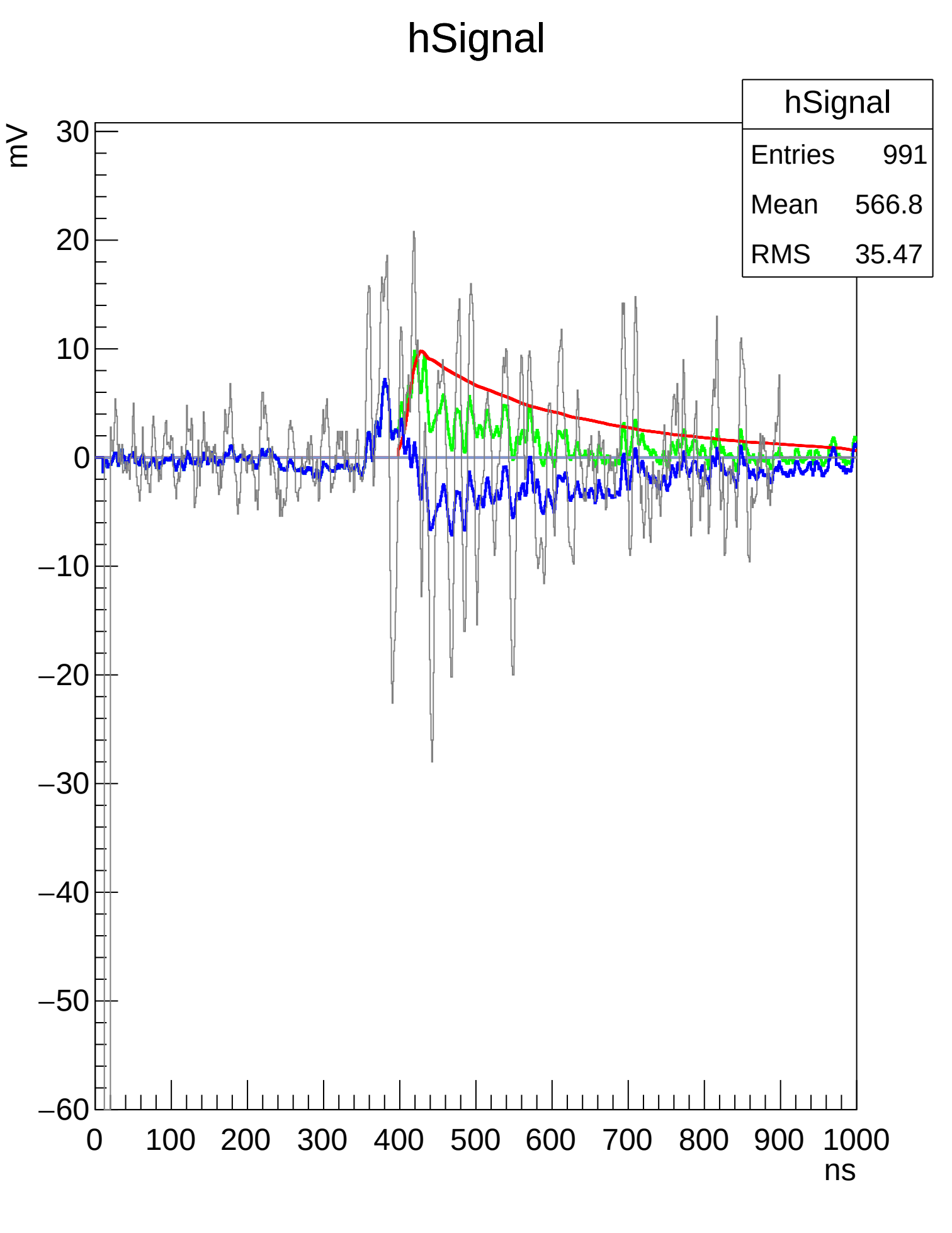
1000
ns


hSignal
hSignal
Entries 991
Mean 566.8
RMS 35.47
mV
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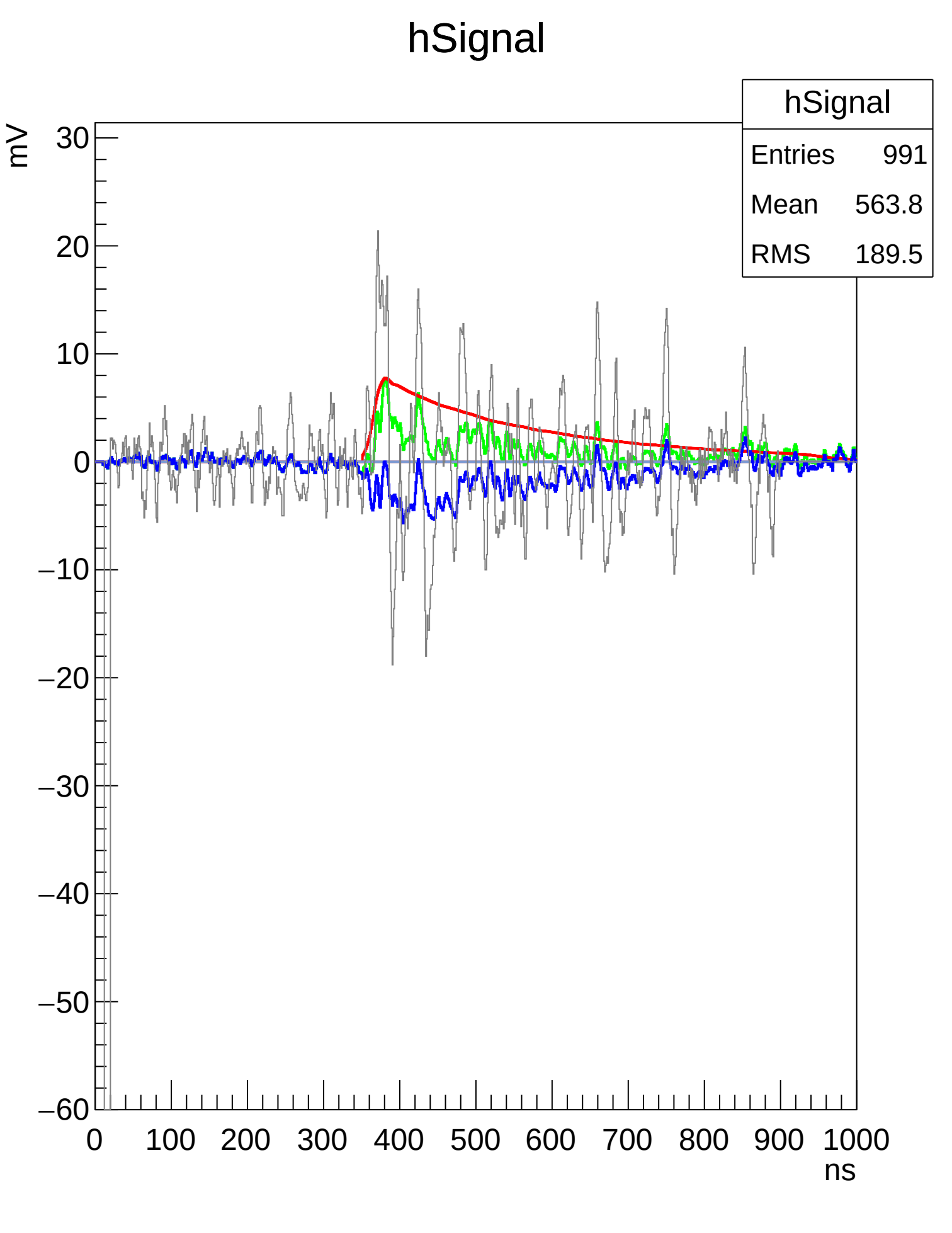
hSignal
hSignal
Entries 991
Mean 563.8
RMS 189.5
mV
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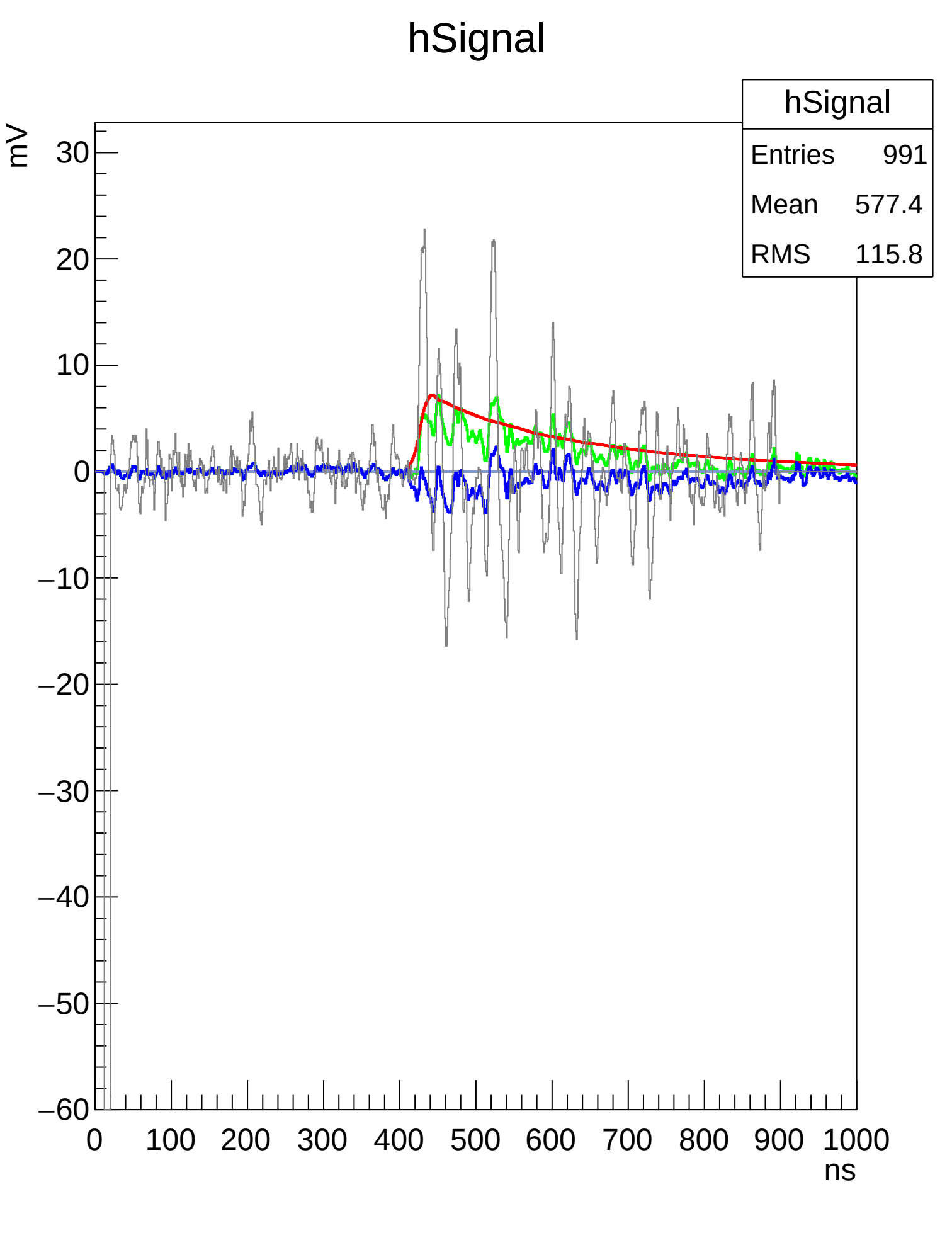
hSignal
hSignal
Entries 991
Mean 577.4
RMS 115.8
mV
30
20
10
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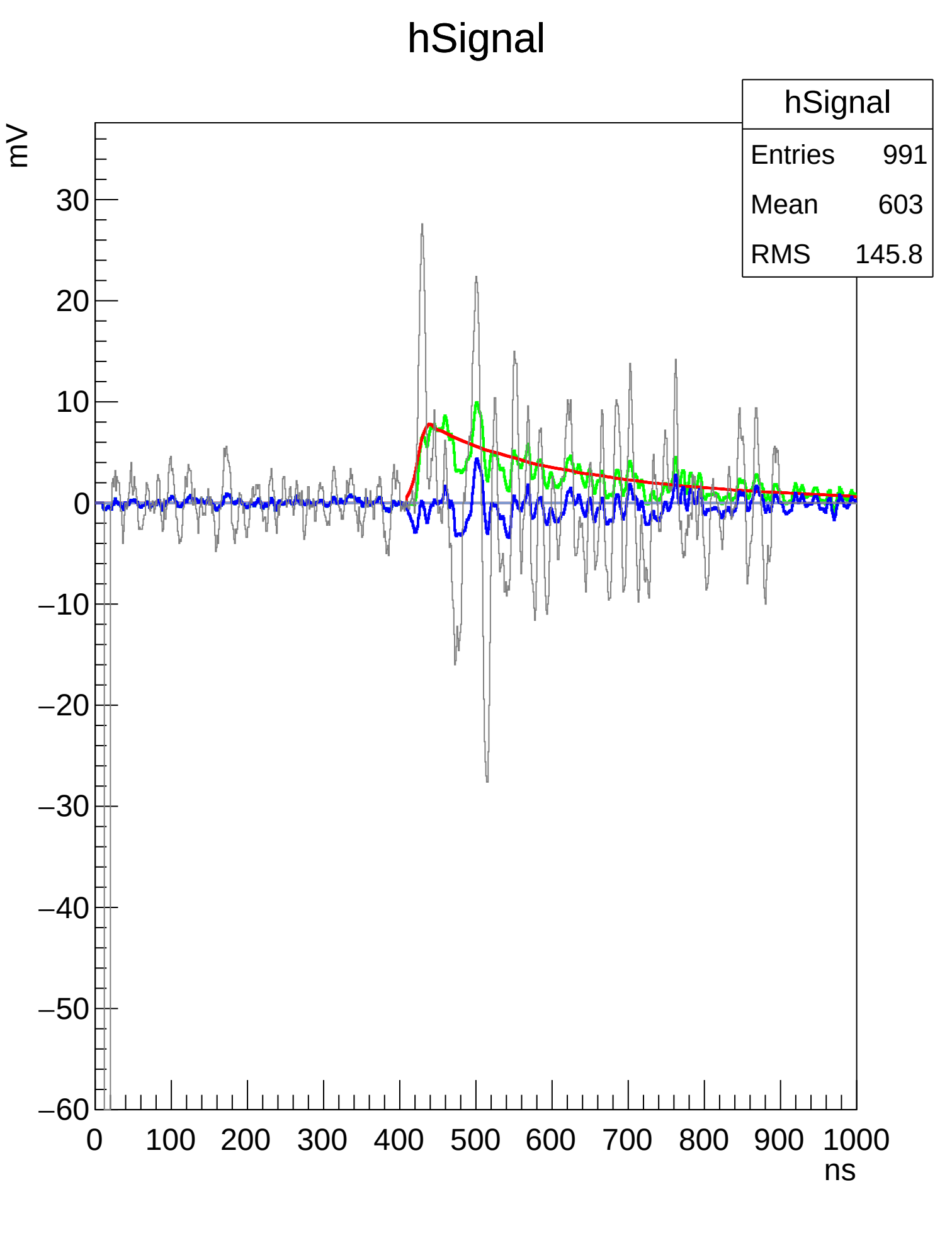
hSignal
hSignal
Entries 991
Mean 603
RMS 145.8
mV
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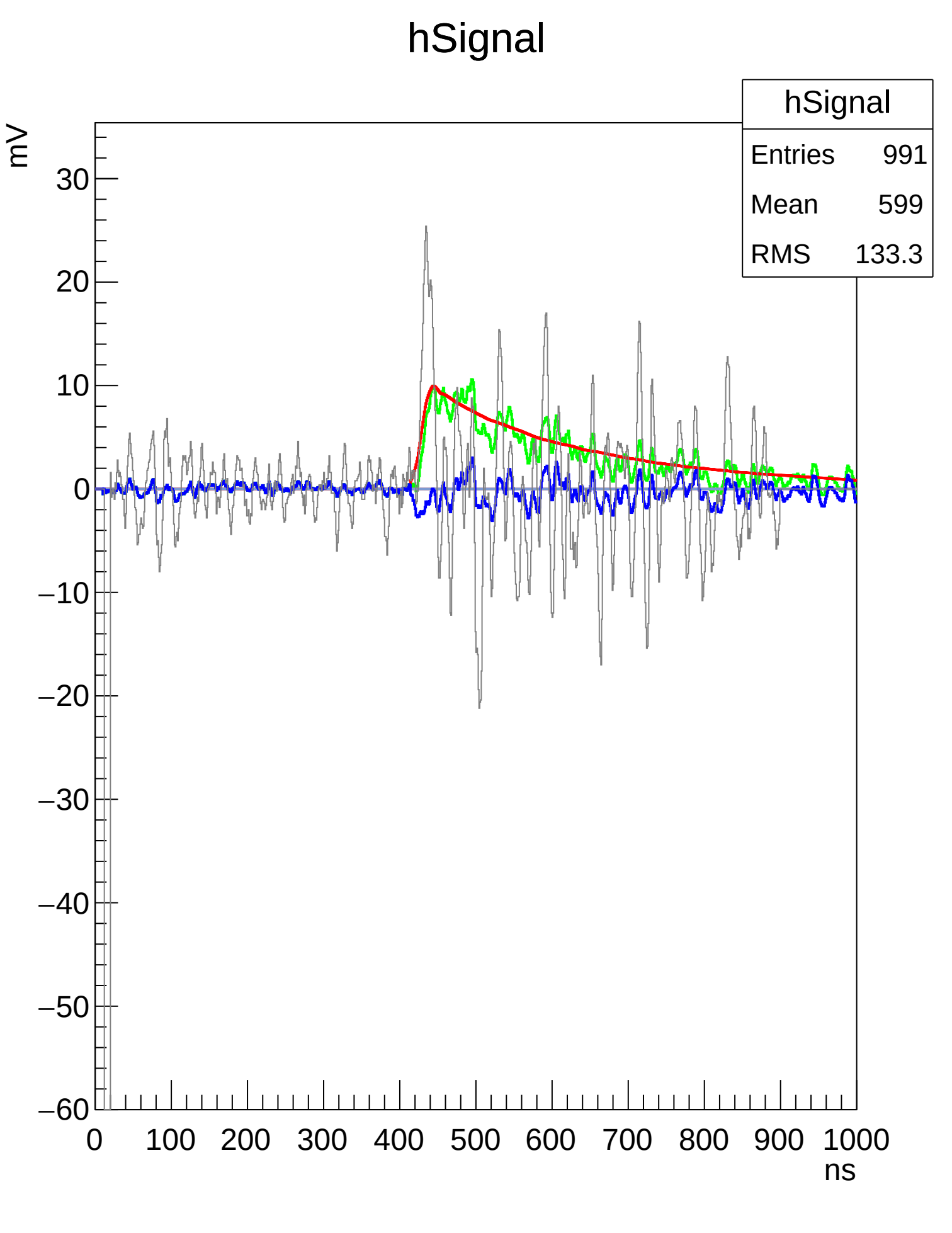
hSignal
hSignal
Entries 991
Mean 599
RMS 133.3
mV
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10
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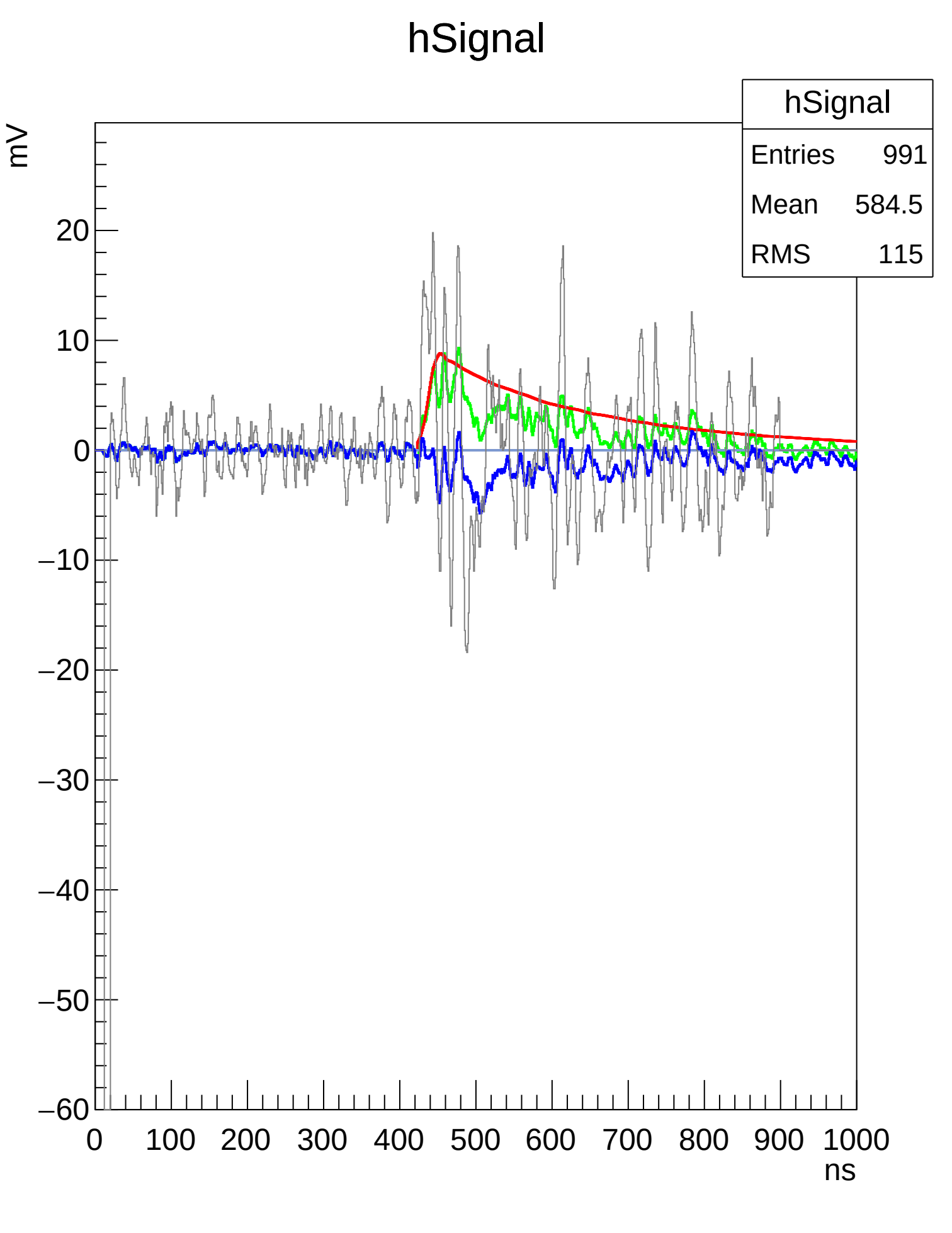
1000
ns


hSignal
hSignal
Entries 991
Mean 584.5
RMS 115
mV
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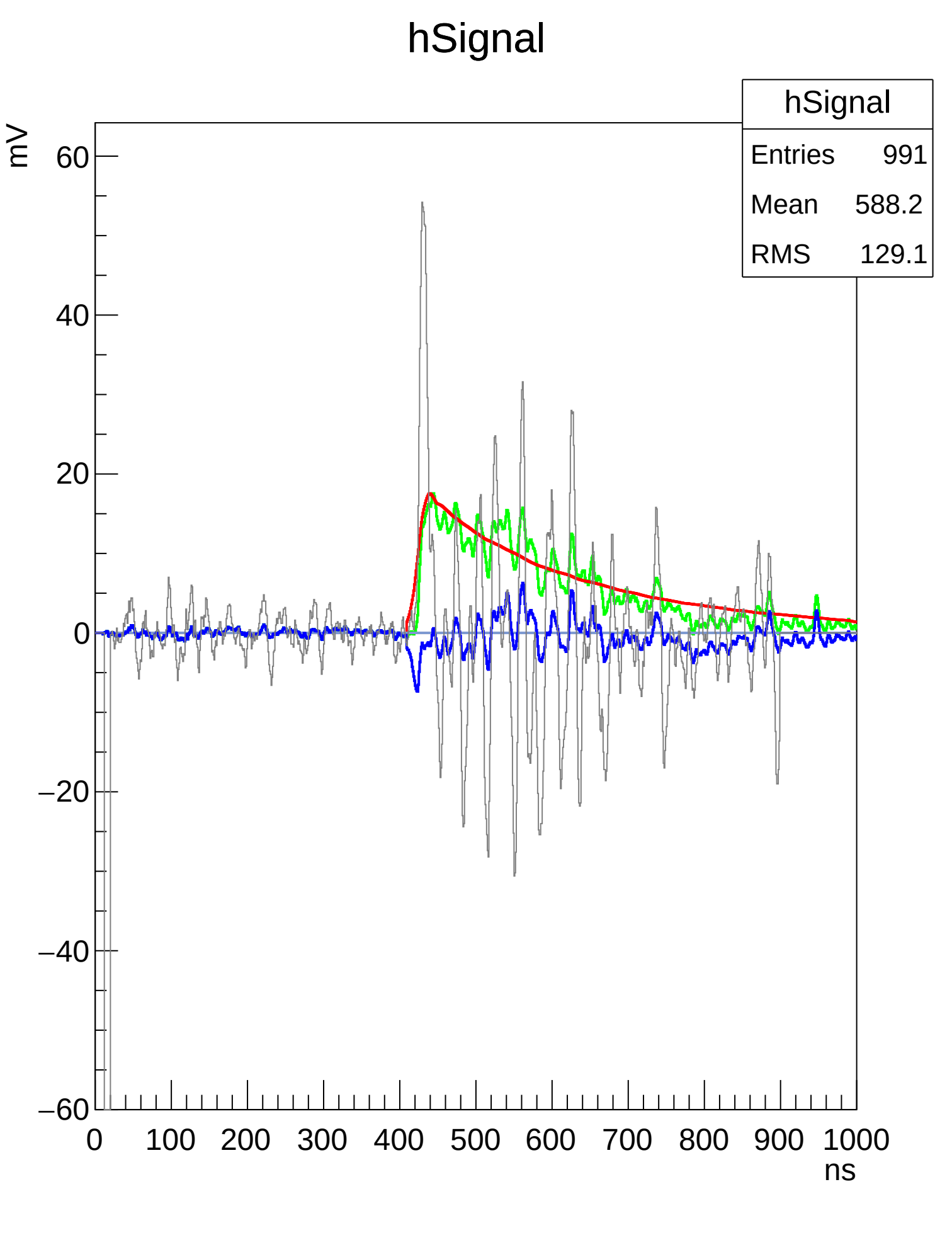
1000
ns


hSignal
hSignal
Entries 991
Mean 588.2
RMS 129.1
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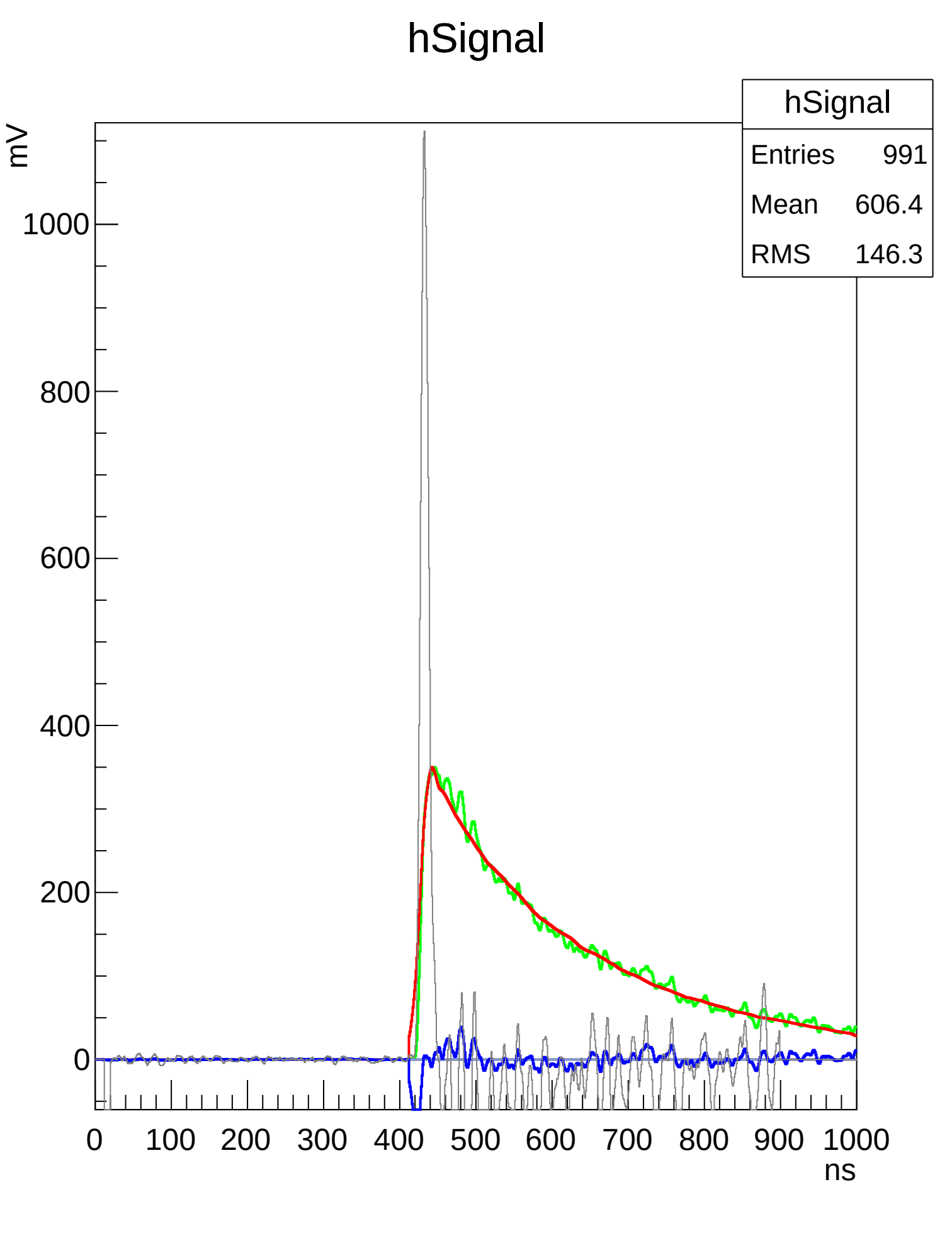
1000
ns


hSignal
hSignal
Entries 991
Mean 606.4
RMS 146.3
mV
1000
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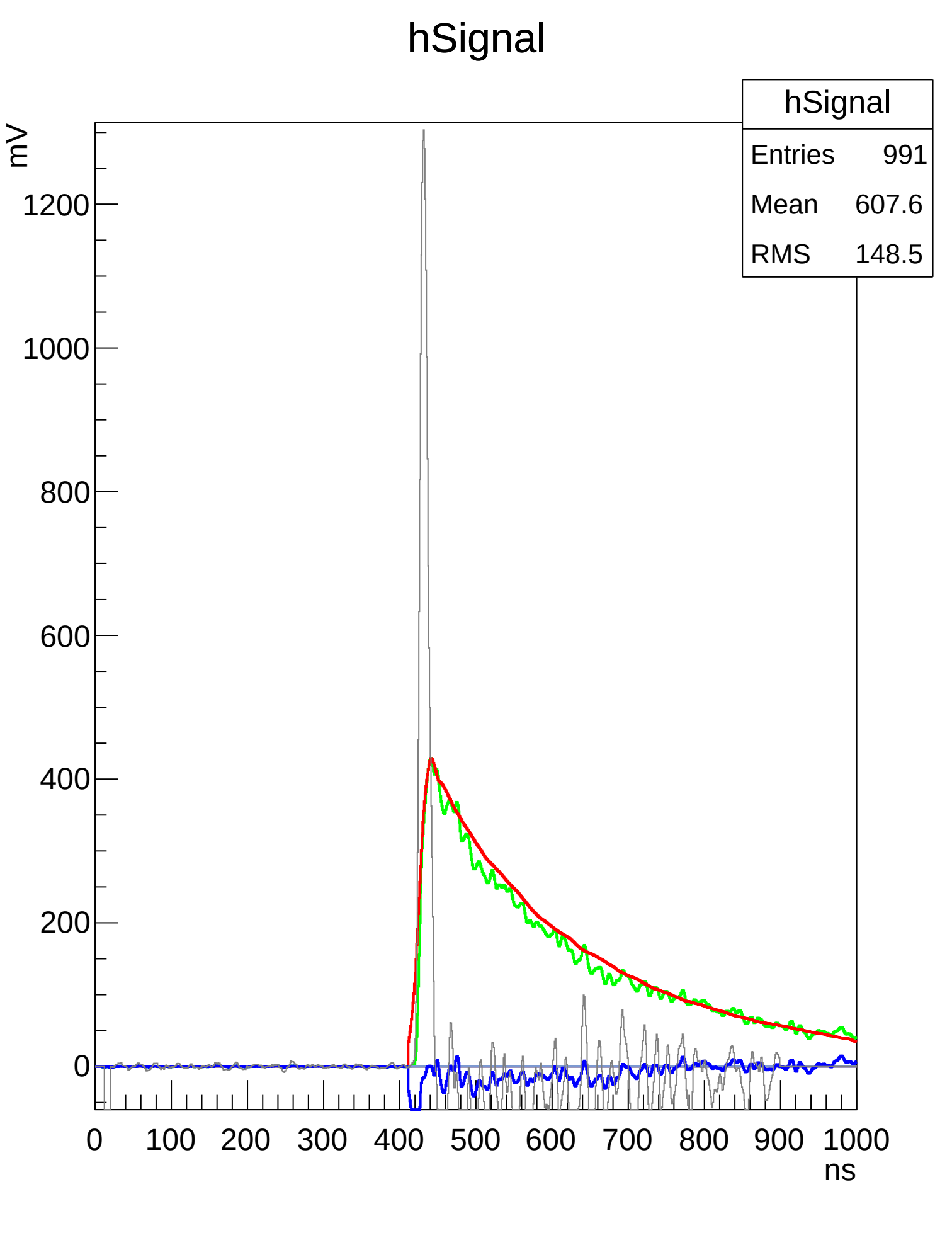
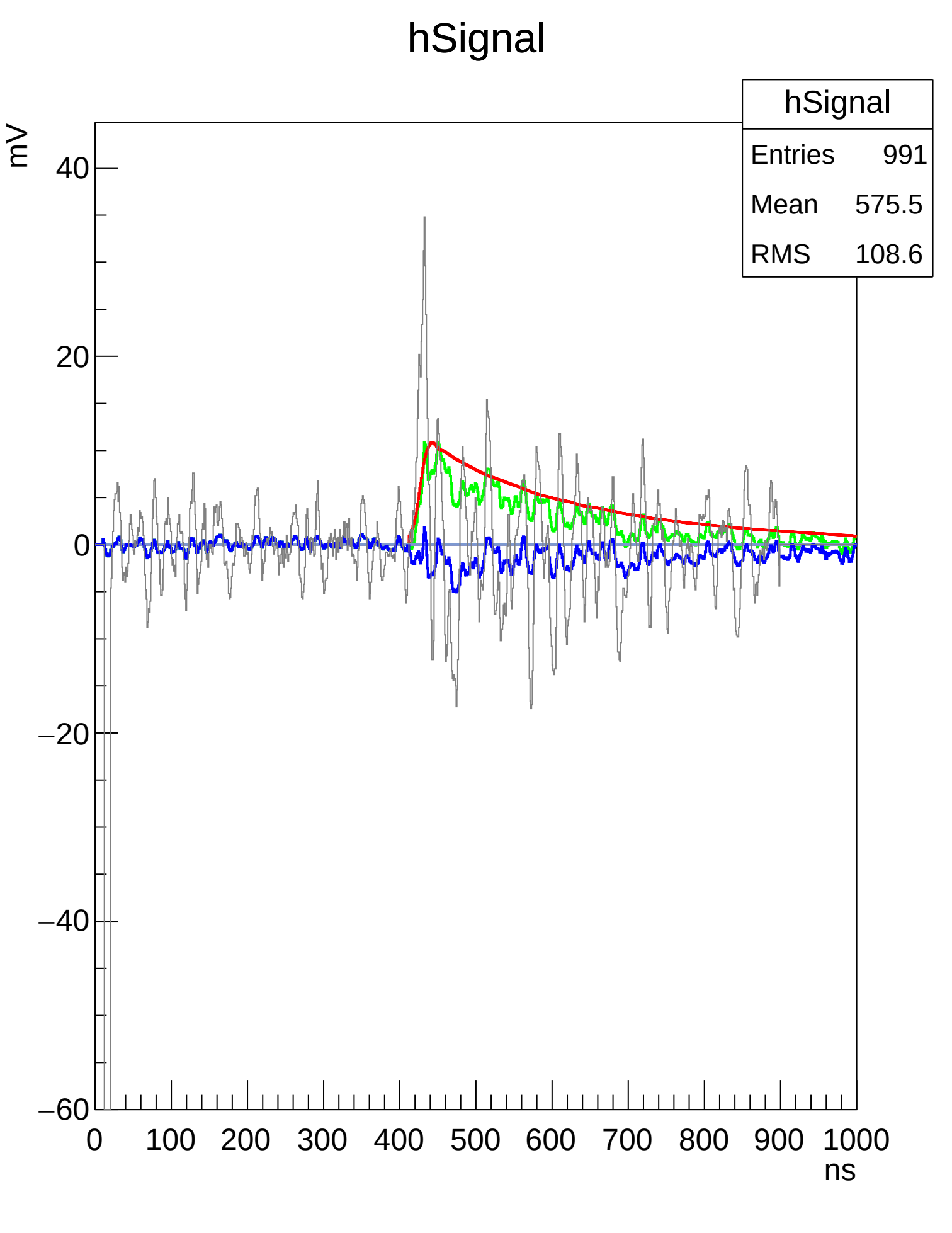
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 607.6
RMS 148.5
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.5
RMS 108.6
mV
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−20
−40
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0
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200
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400
500
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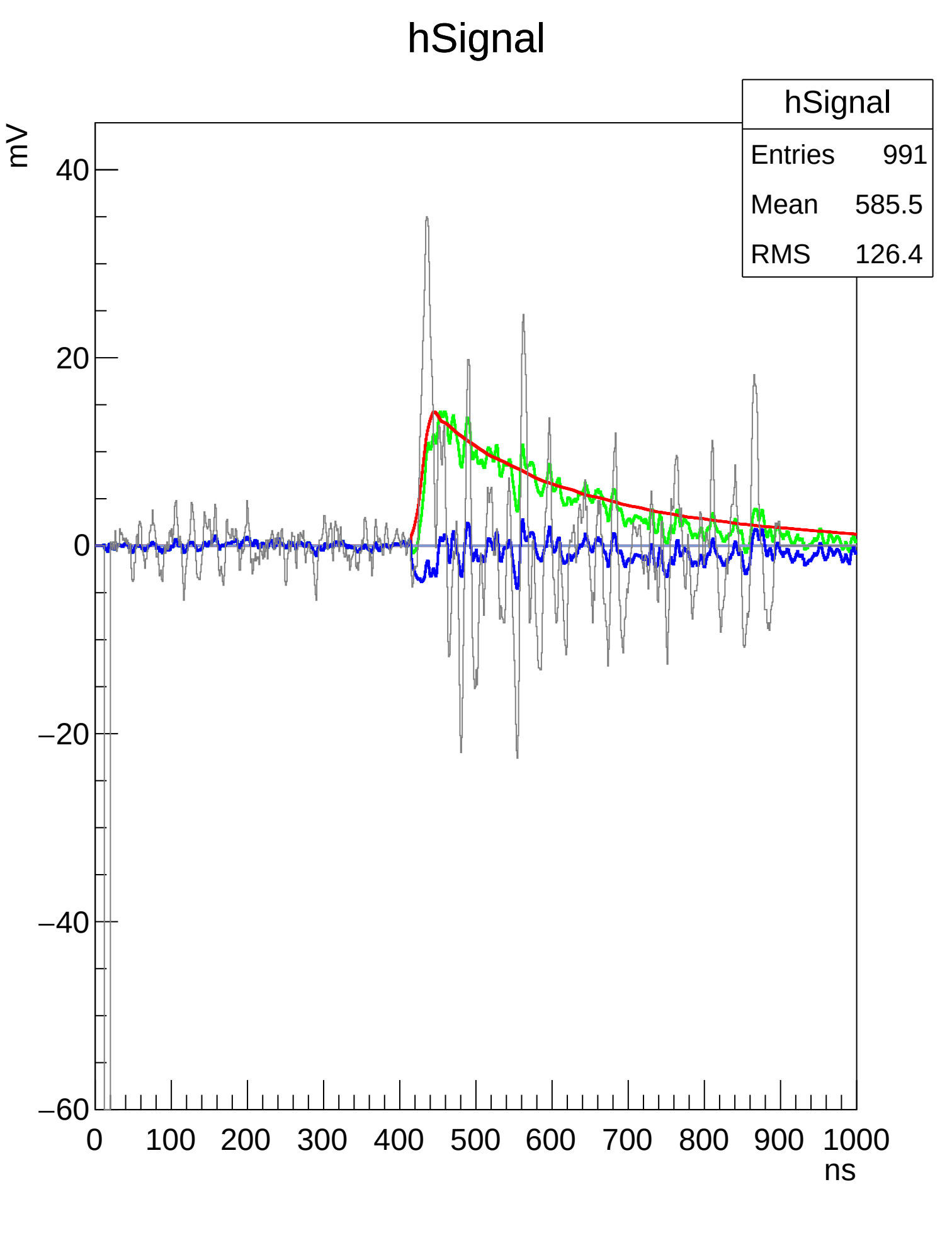
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 585.5
RMS 126.4
mV
40
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−20
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0
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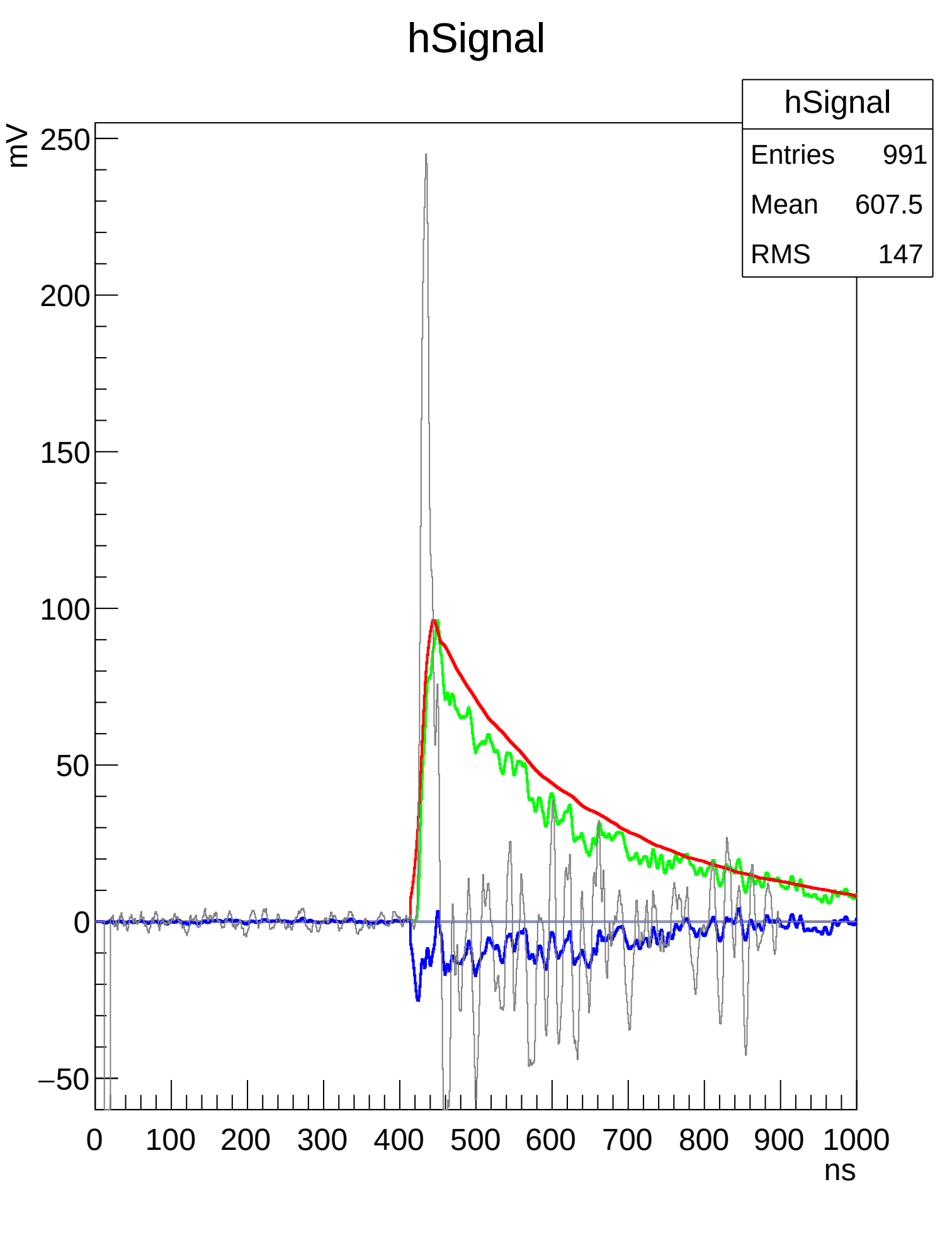
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.5
RMS 147
mV
250
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100
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100
200
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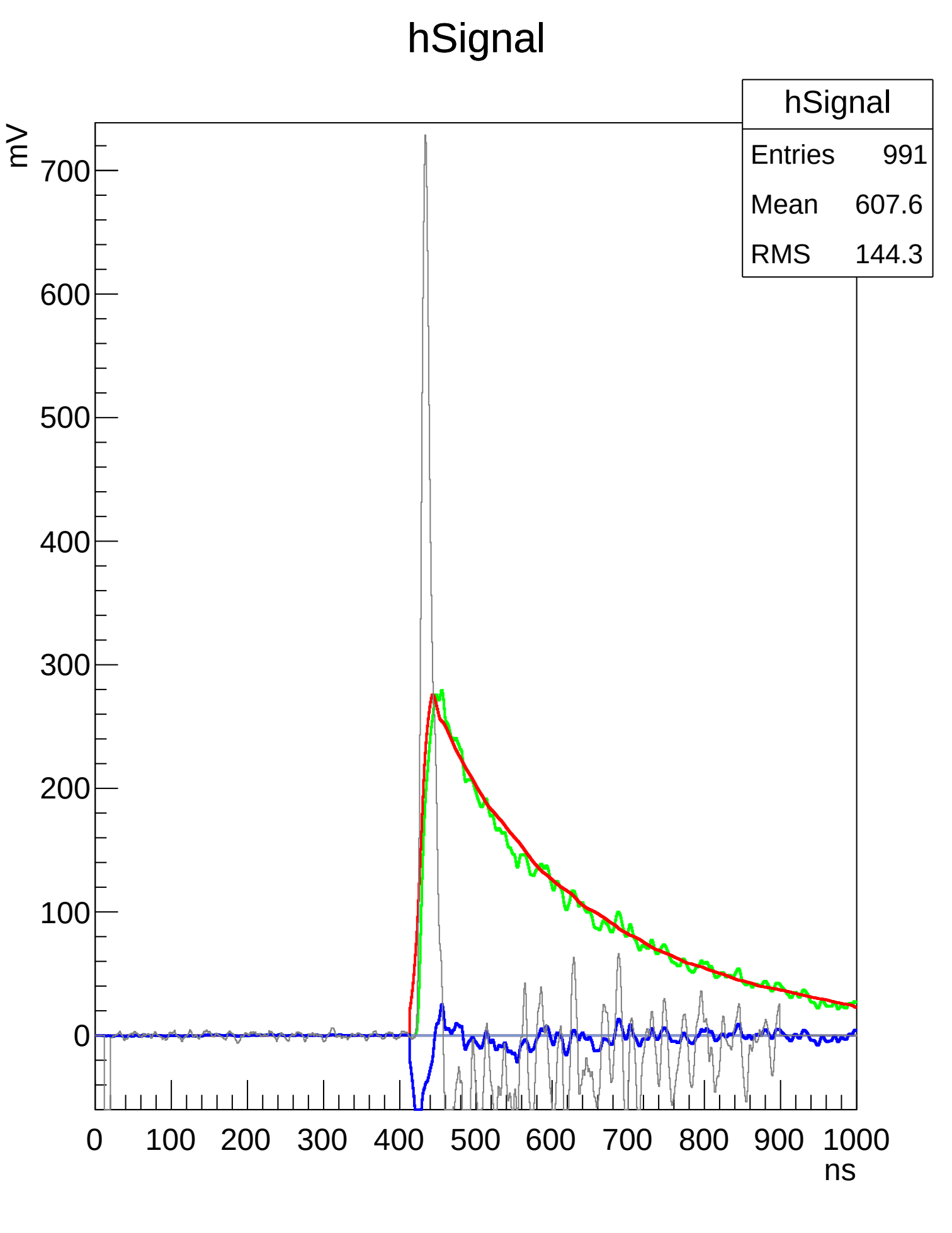
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607.6
RMS 144.3
mV
700
600
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200
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400
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600
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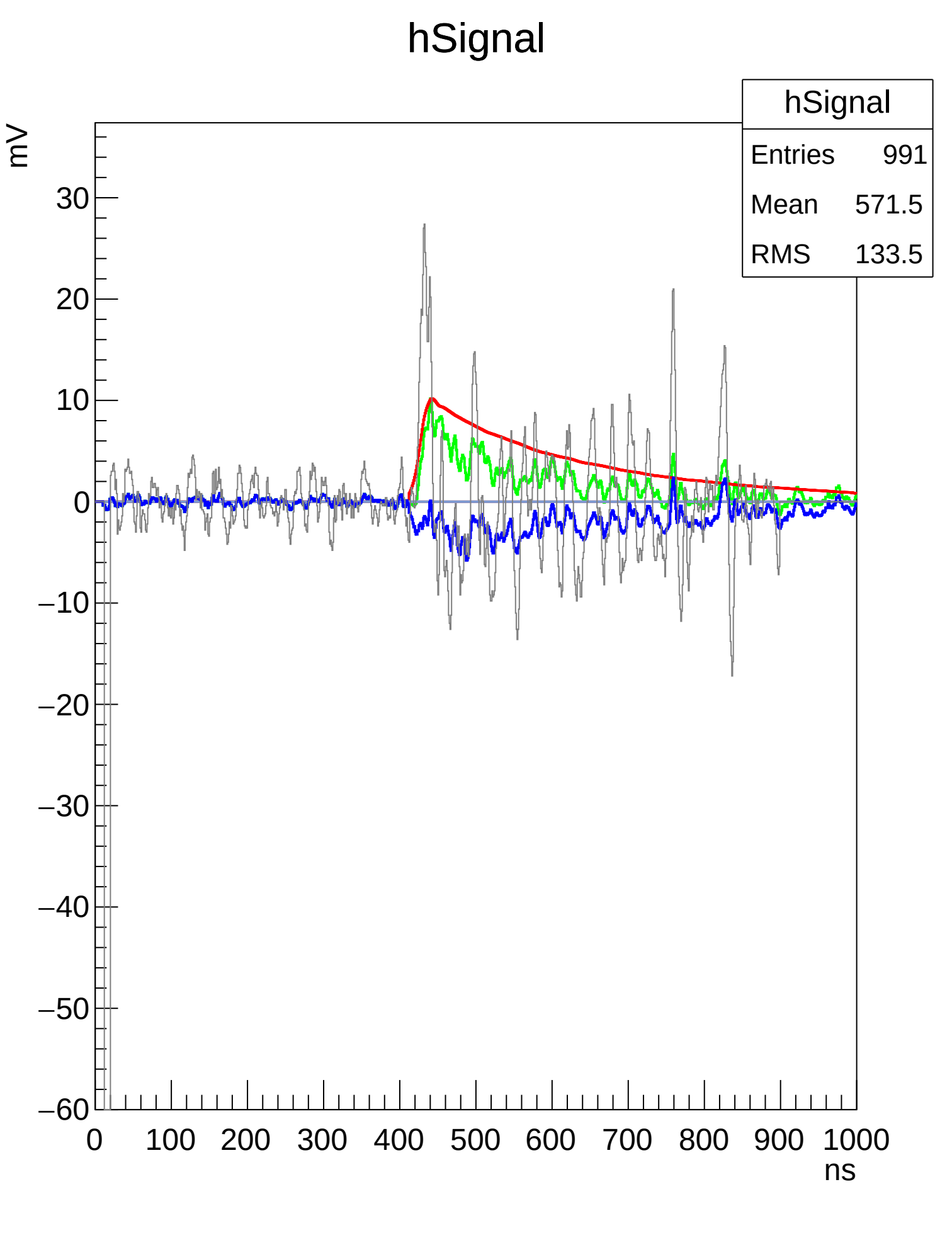
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 571.5
RMS 133.5
mV
30
20
10
0
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−40
−50
−60
0
100
200
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400
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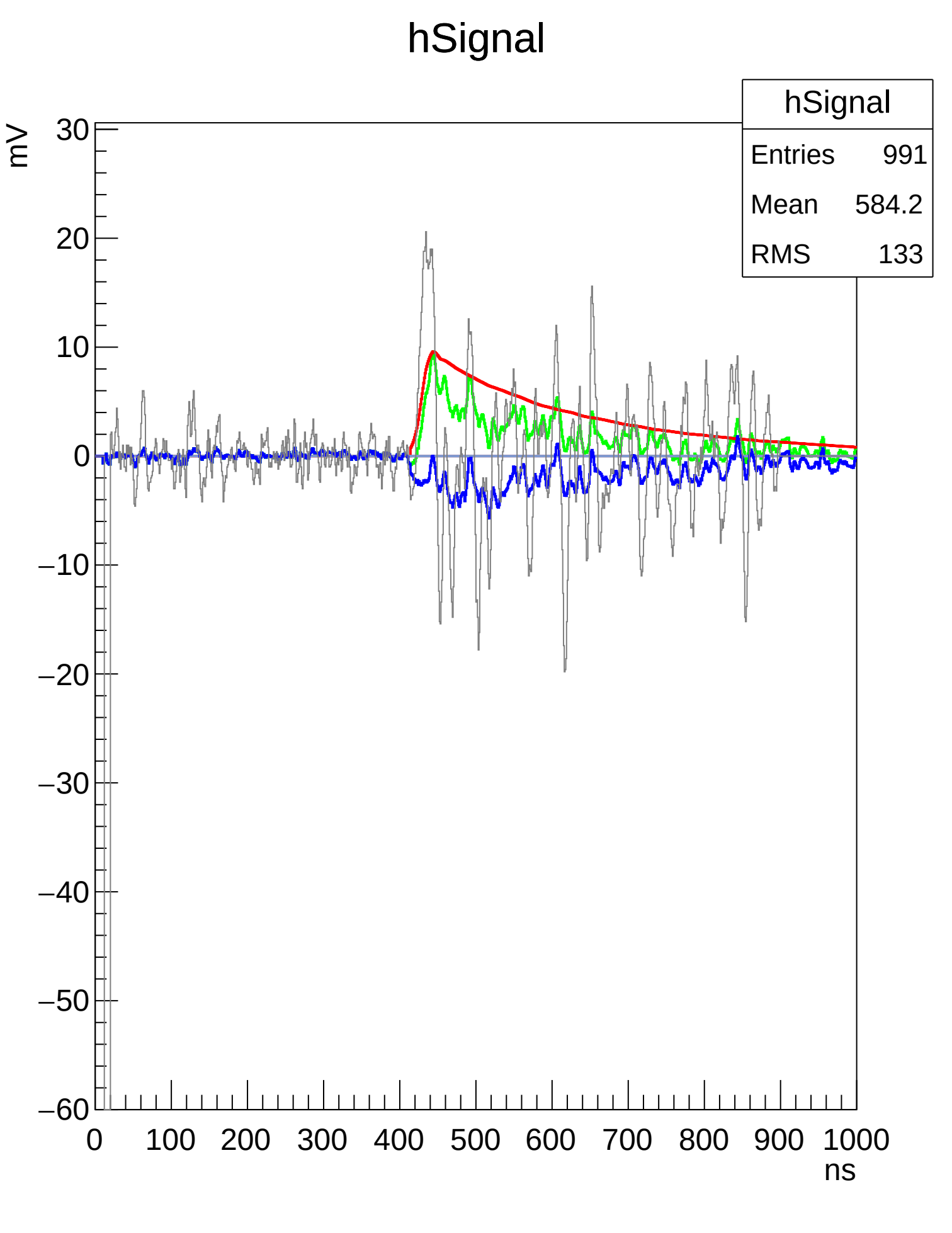
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 584.2
RMS 133
mV
30
20
10
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1000
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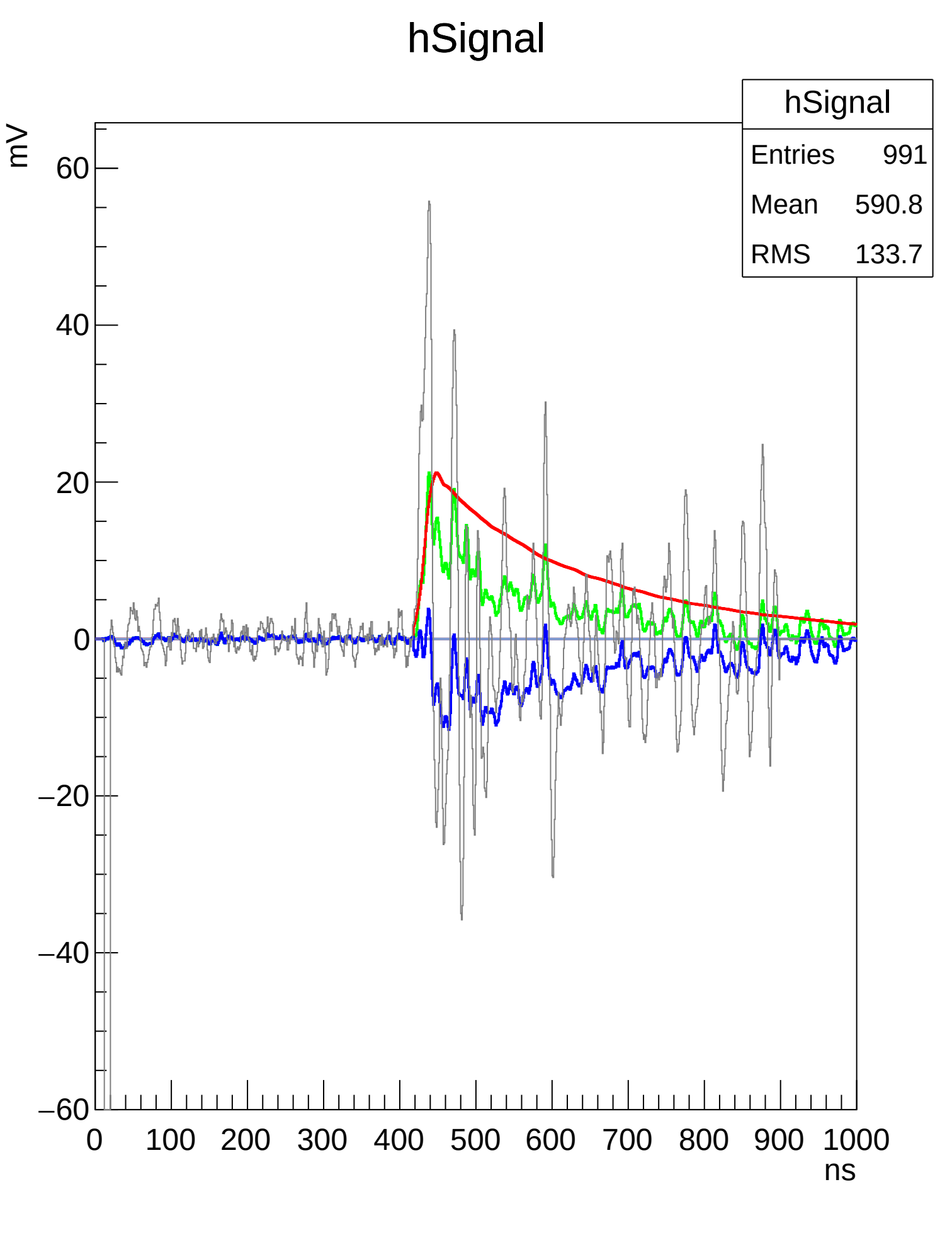
hSignal
hSignal
Entries 991
Mean 590.8
RMS 133.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
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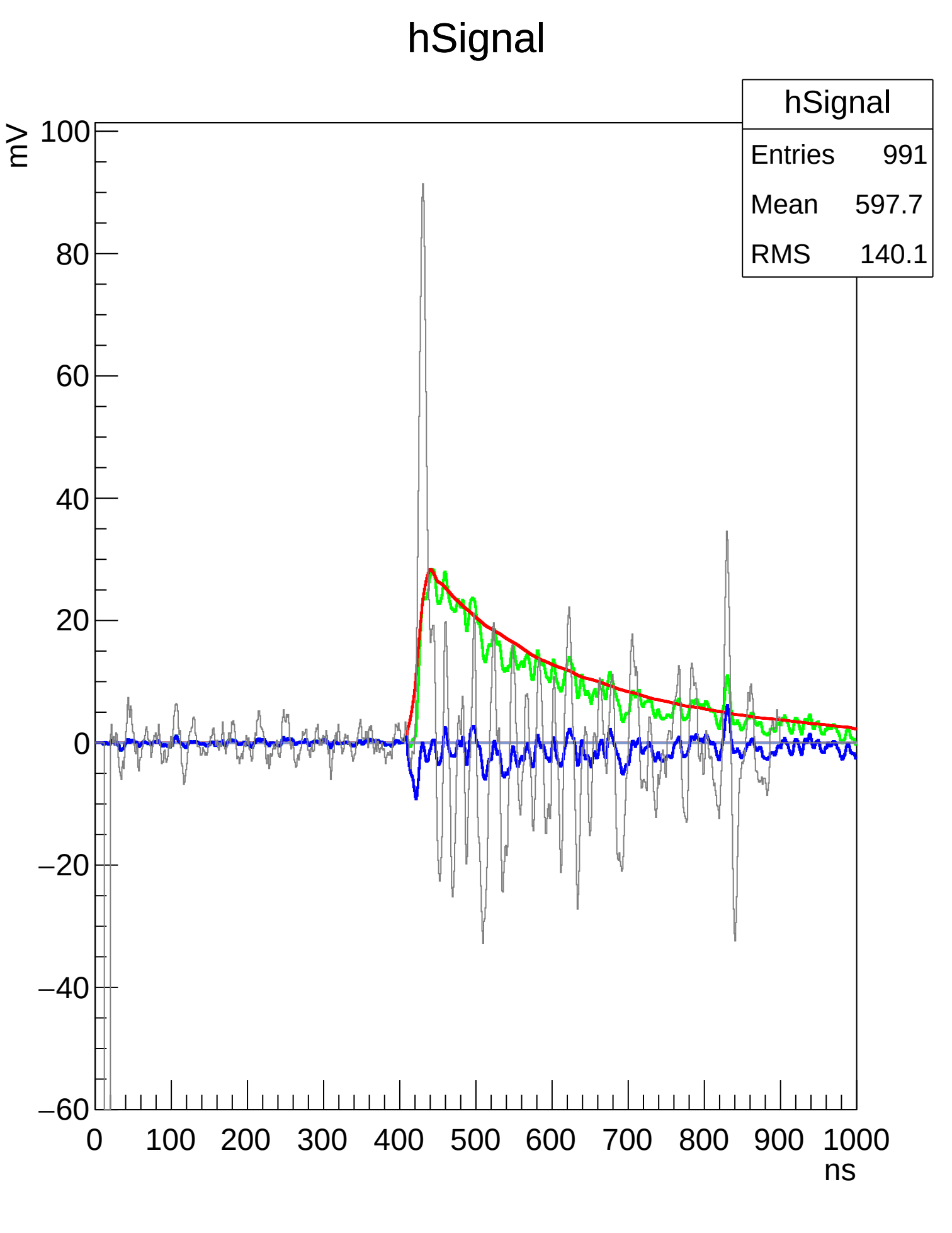
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.7
RMS 140.1
mV
100
80
60
40
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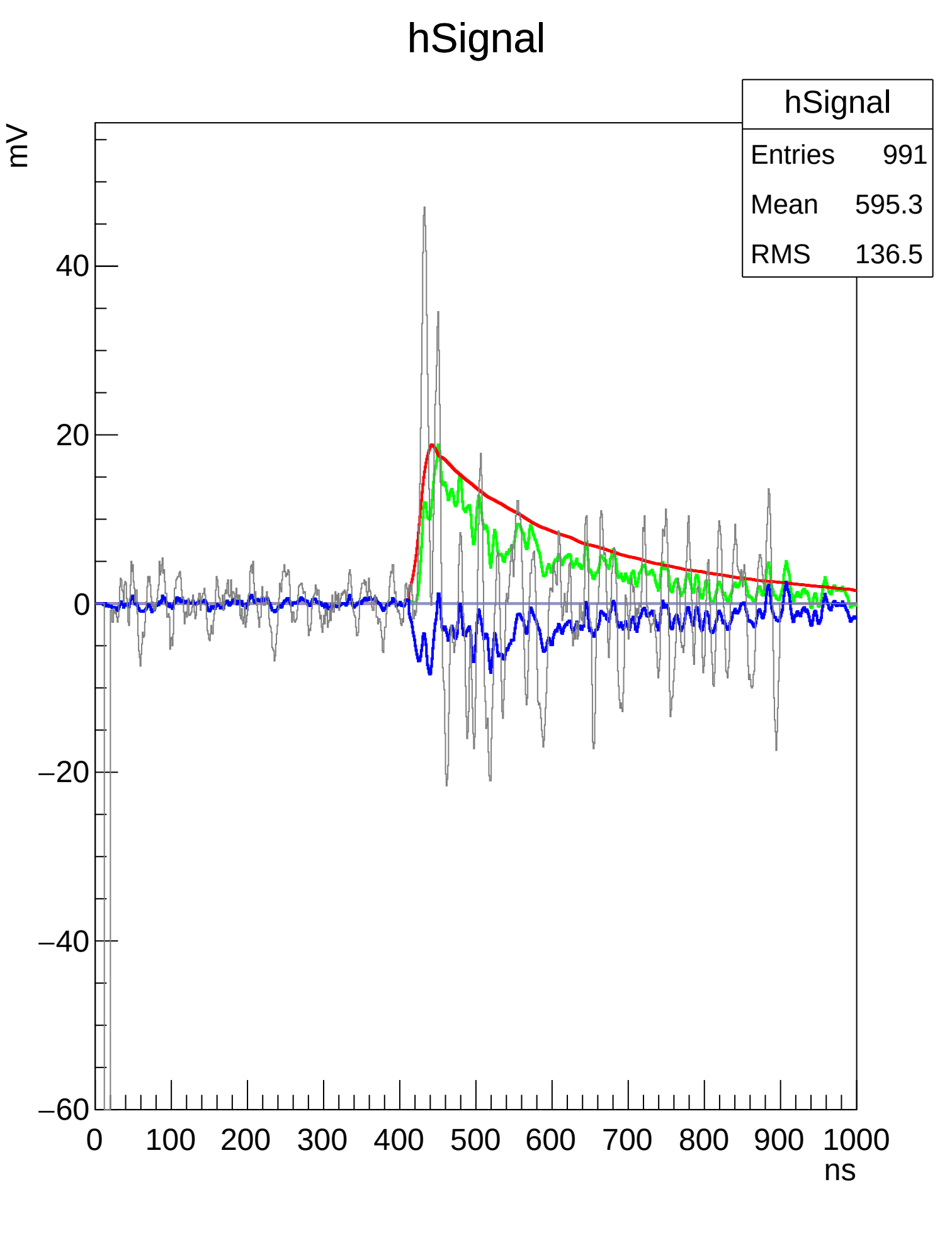
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.3
RMS 136.5
mV
40
20
0
−20
−40
−60
0
100
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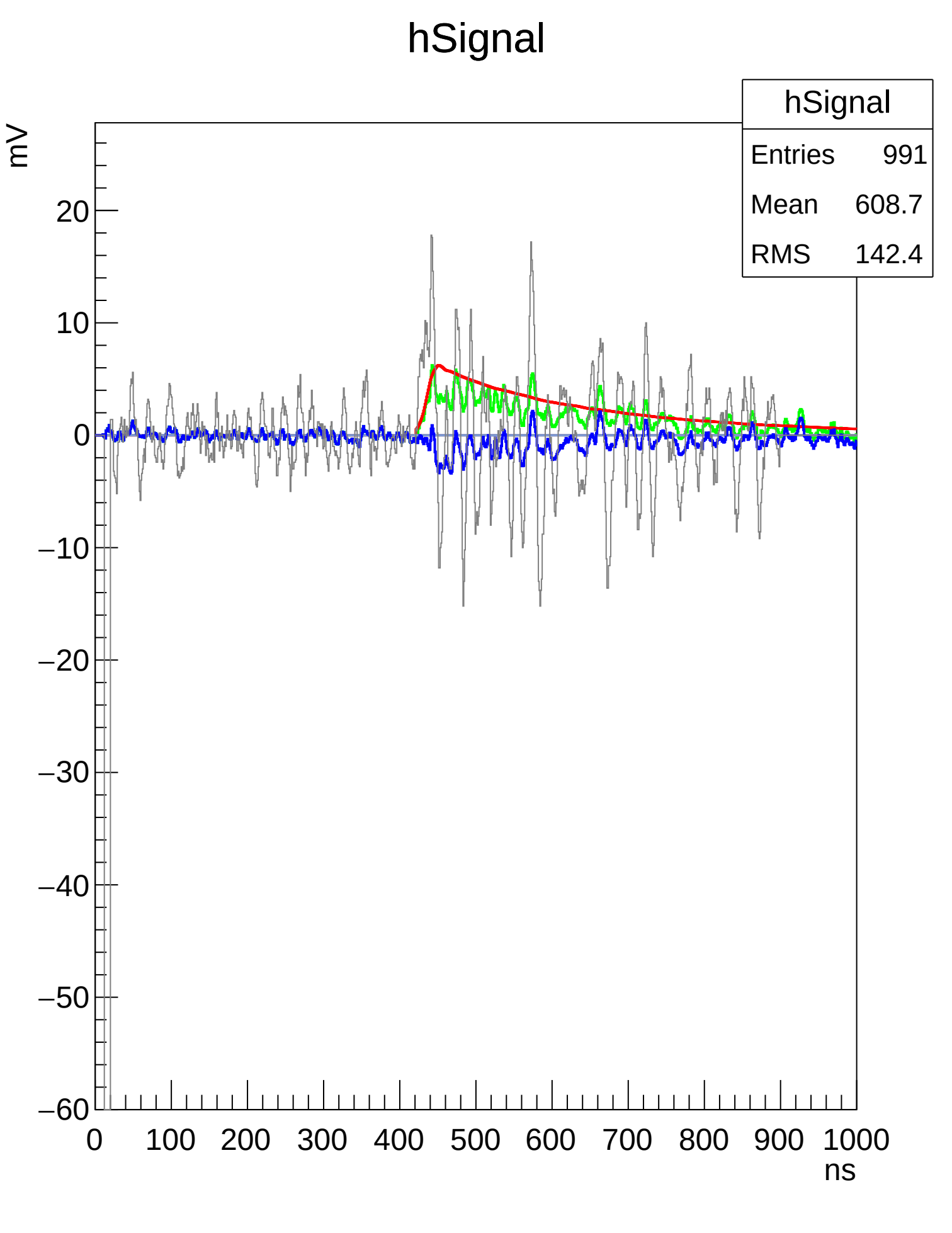
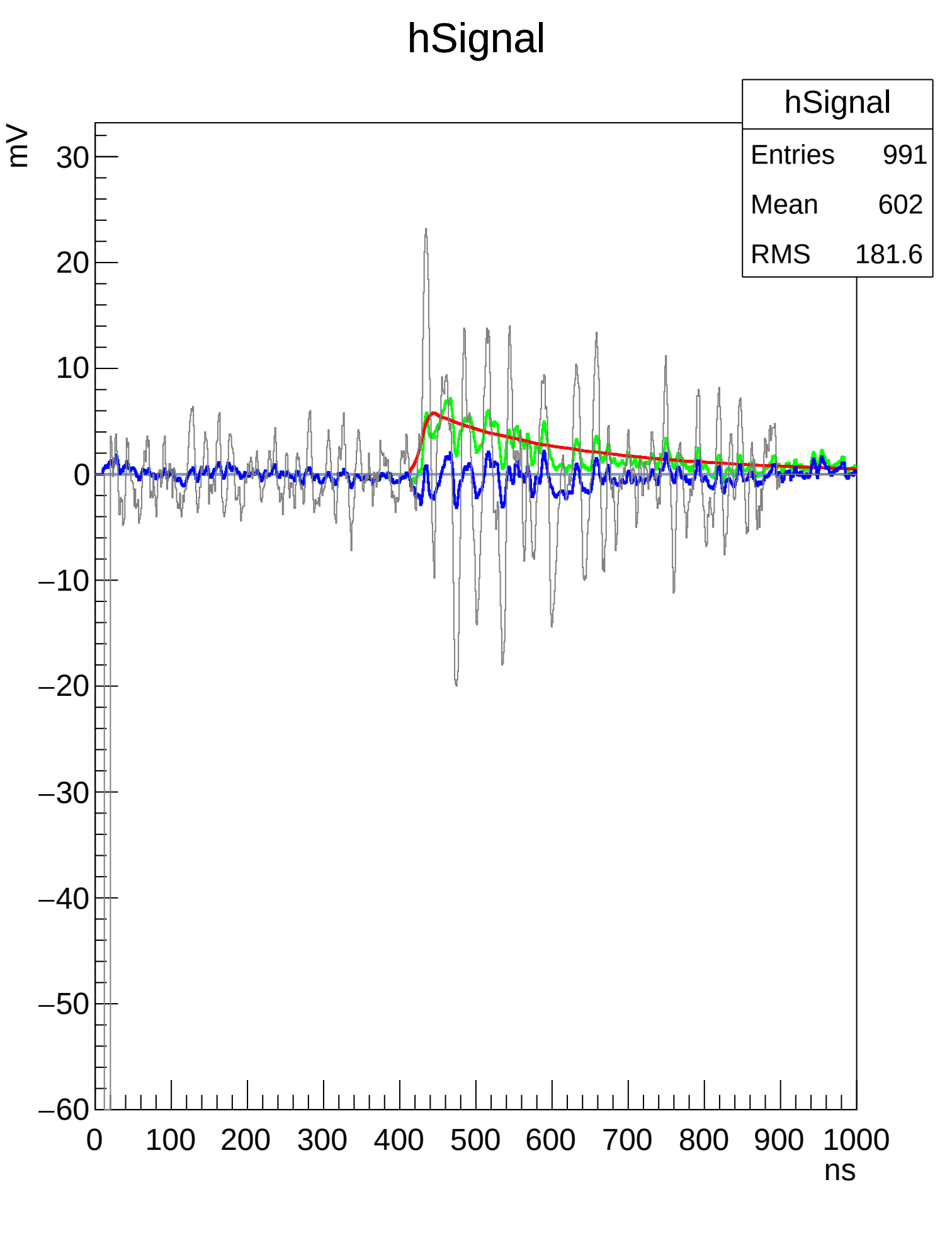
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.7
RMS 142.4
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602
RMS 181.6
mV
30
20
10
0
−10
−20
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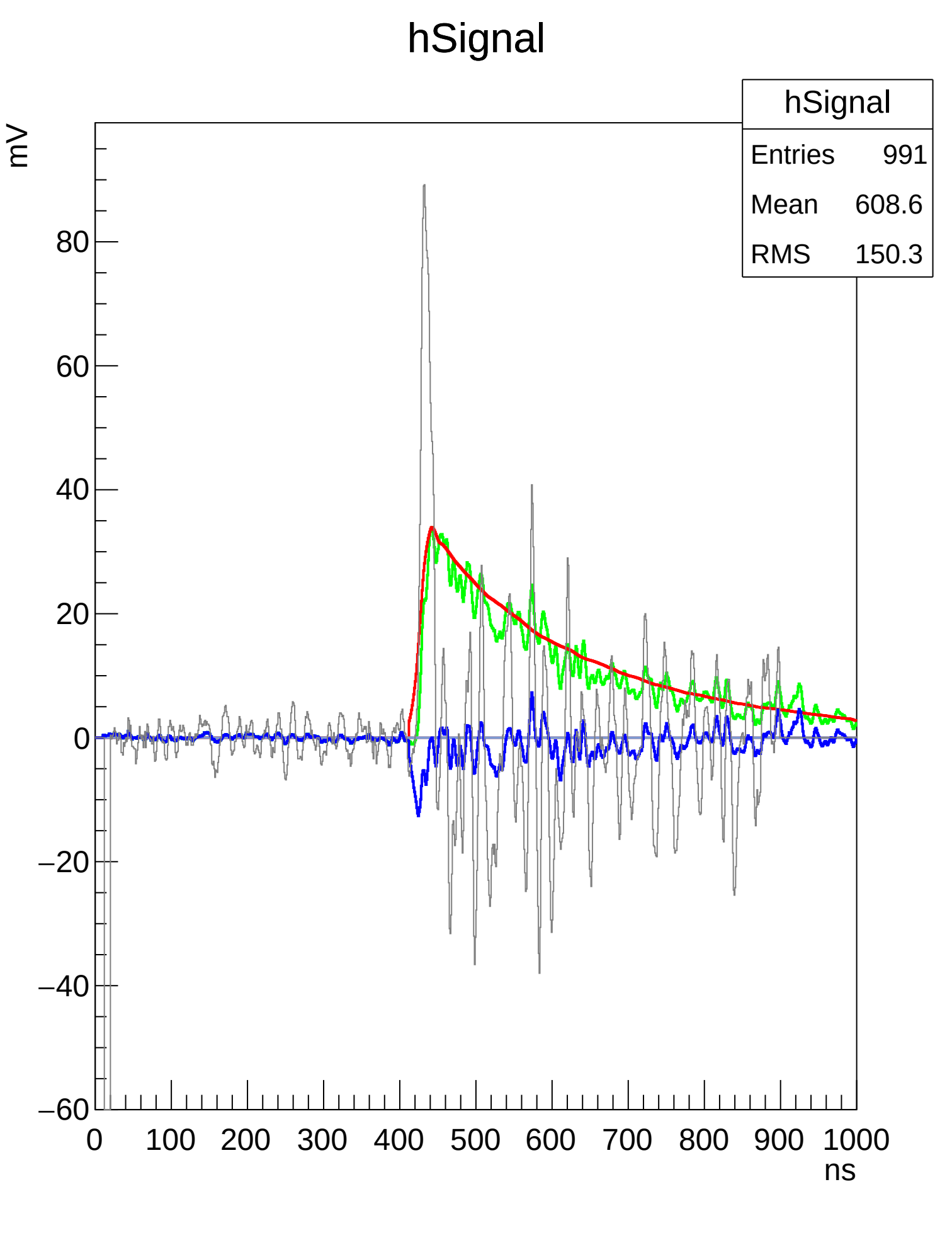
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.6
RMS 150.3
mV
80
60
40
20
0
−20
−40
−60
0
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200
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400
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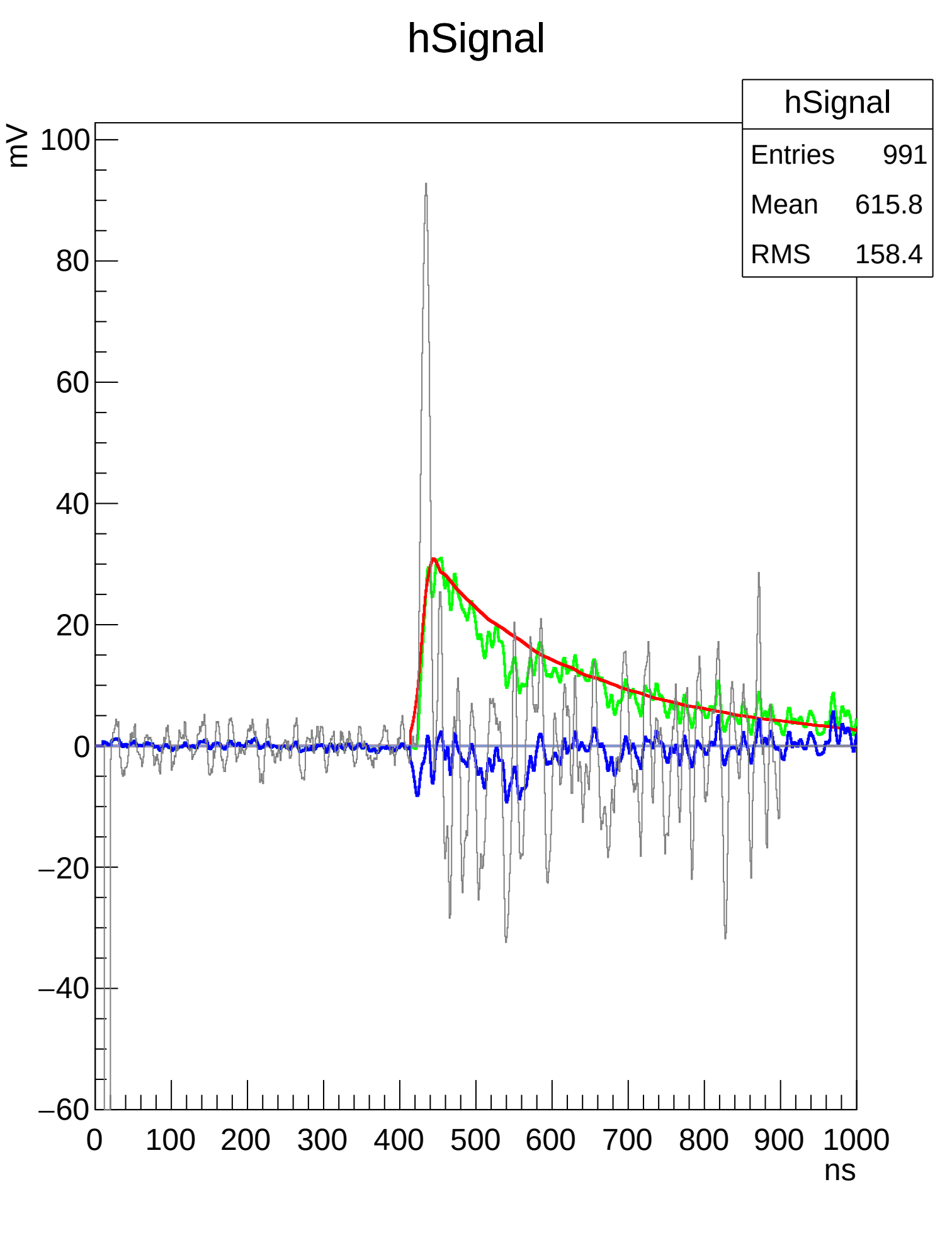
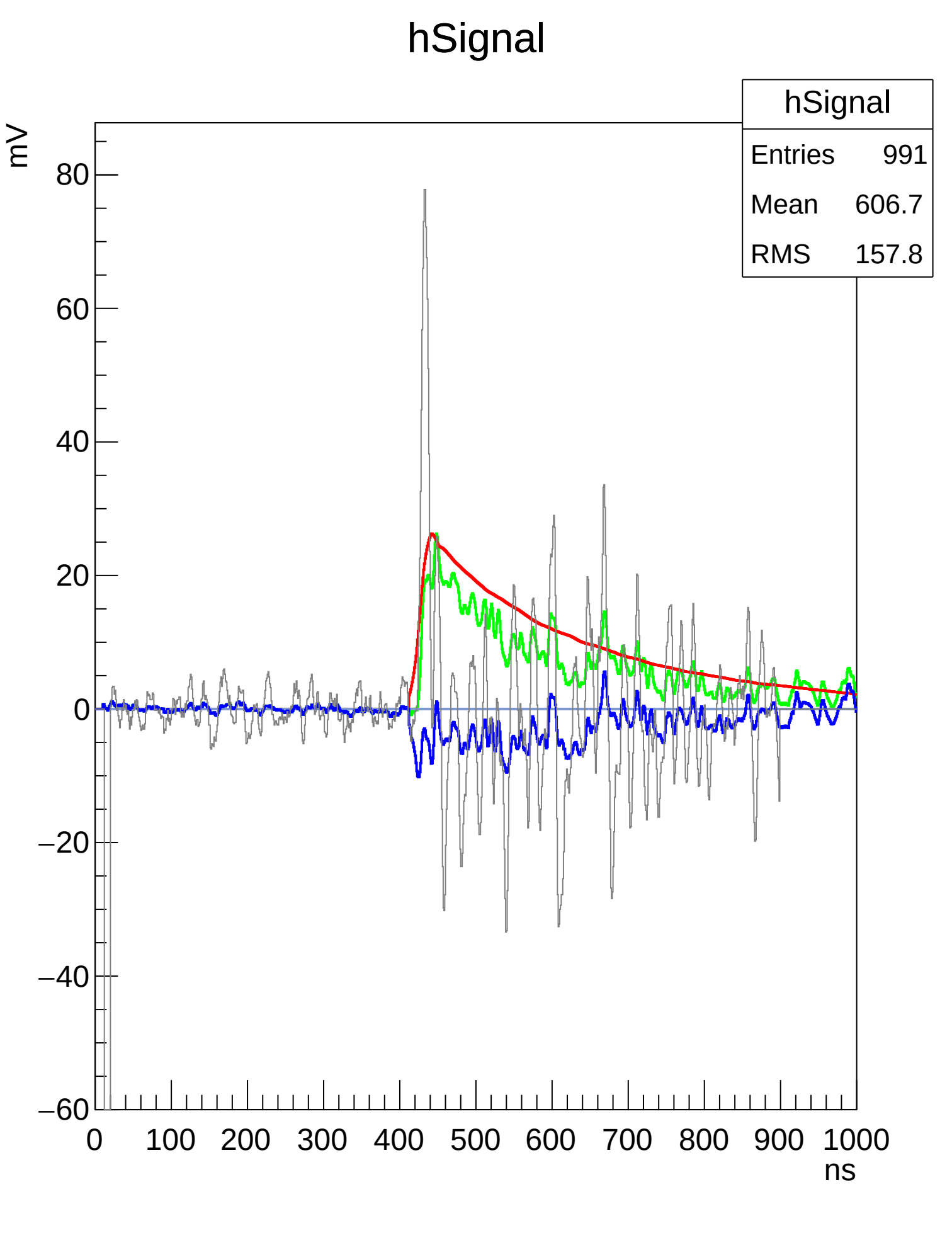
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.8
RMS 158.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.7
RMS 157.8
mV
80
60
40
20
0
−20
−40
−60
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100
200
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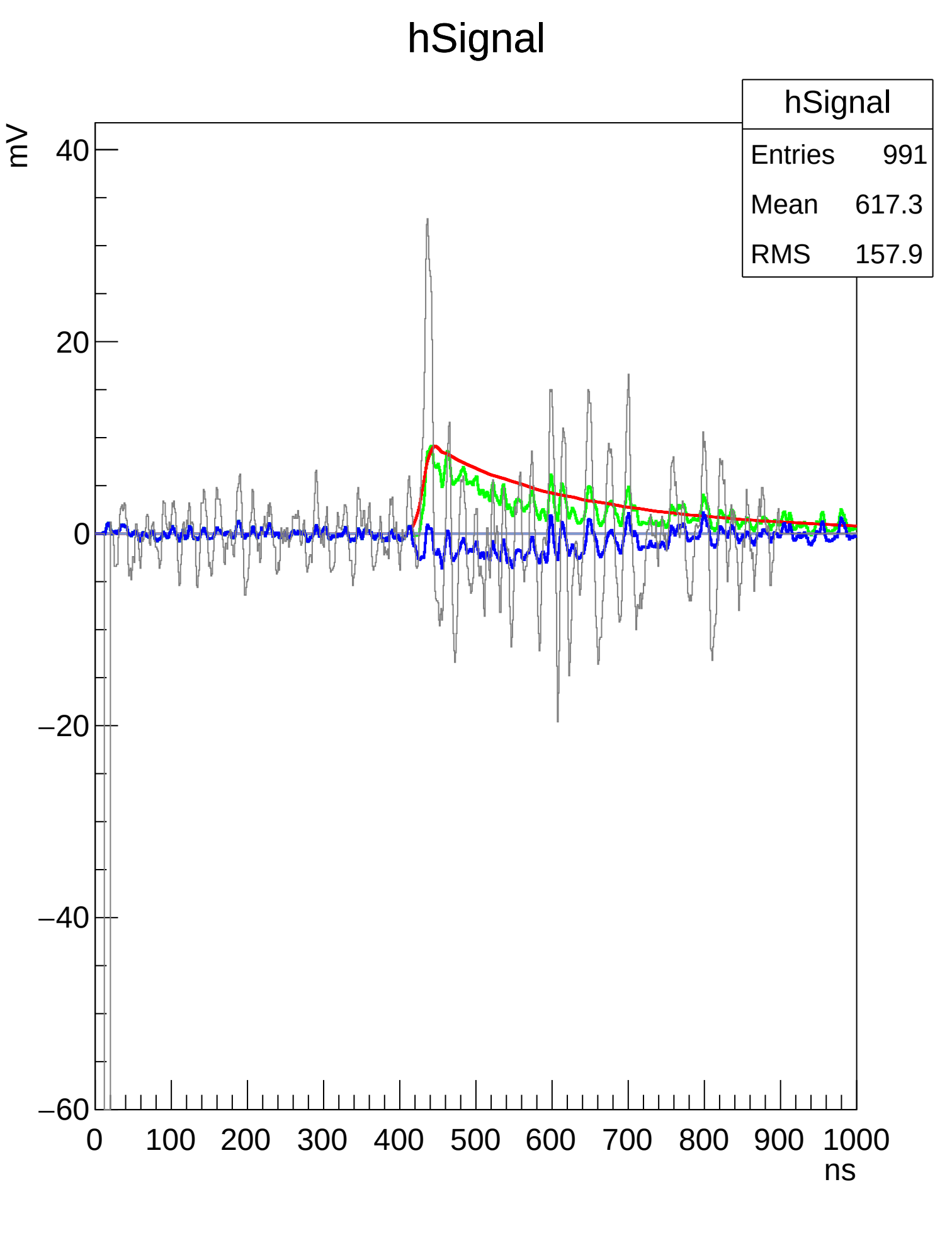
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617.3
RMS 157.9
mV
40
20
0
−20
−40
−60
0
100
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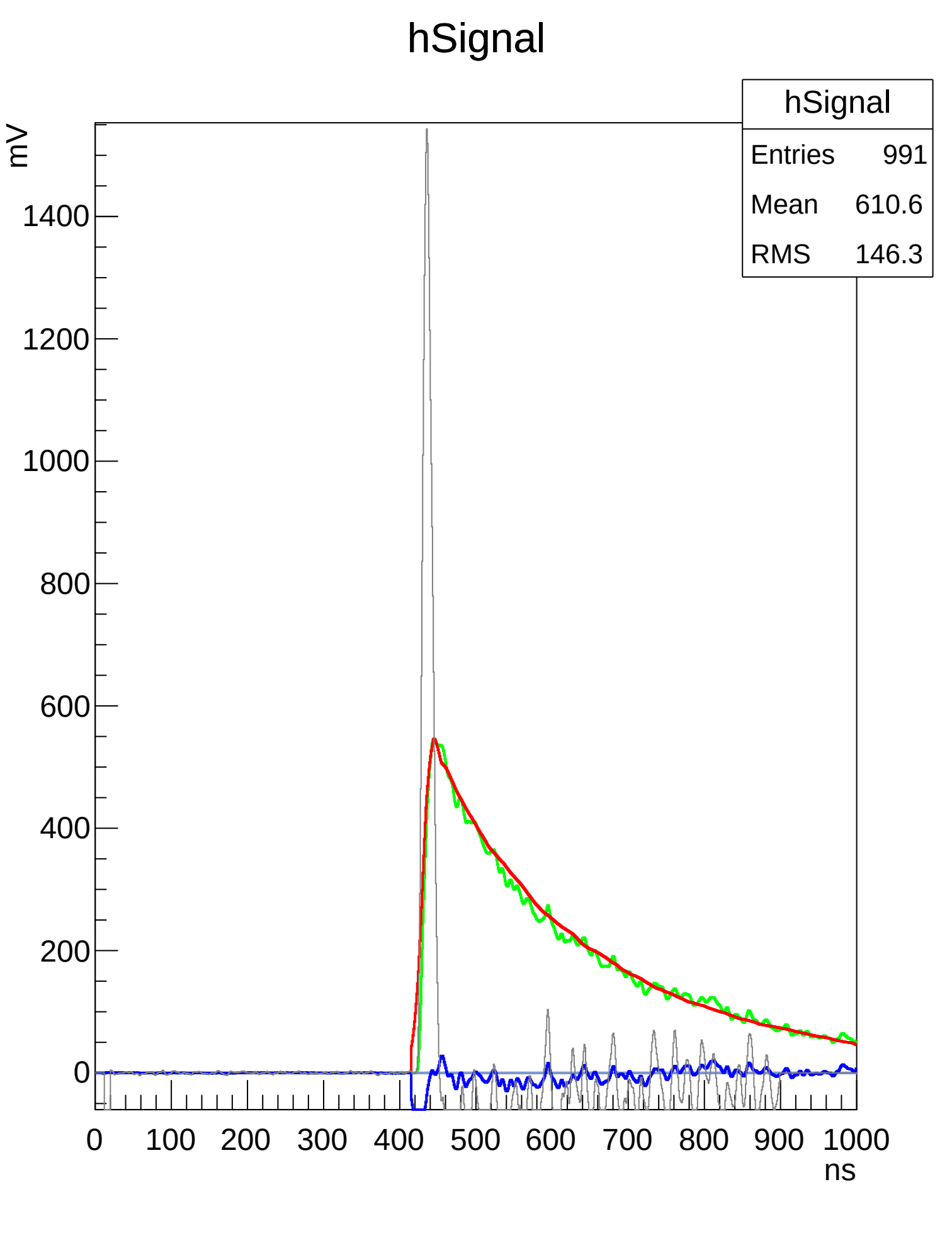
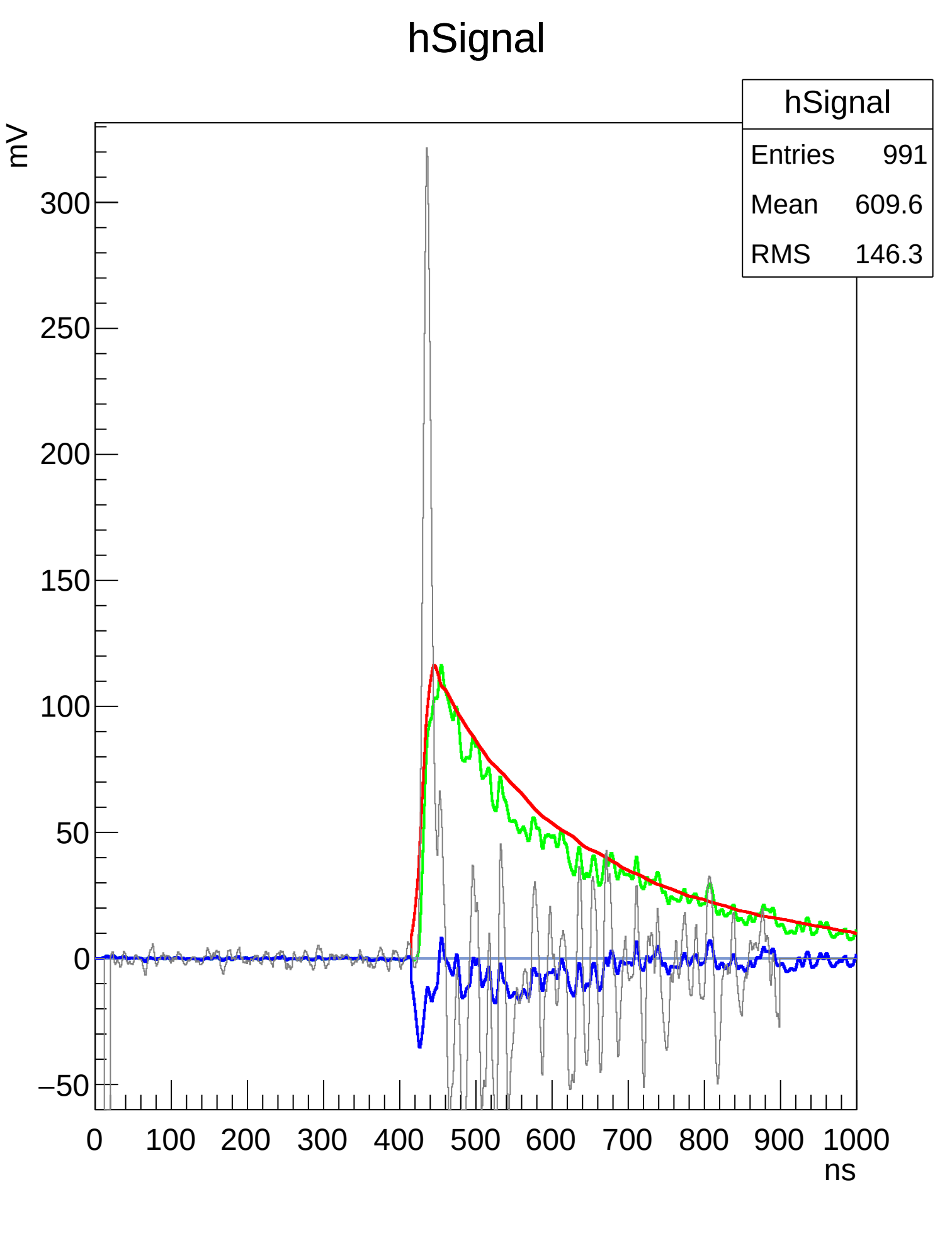
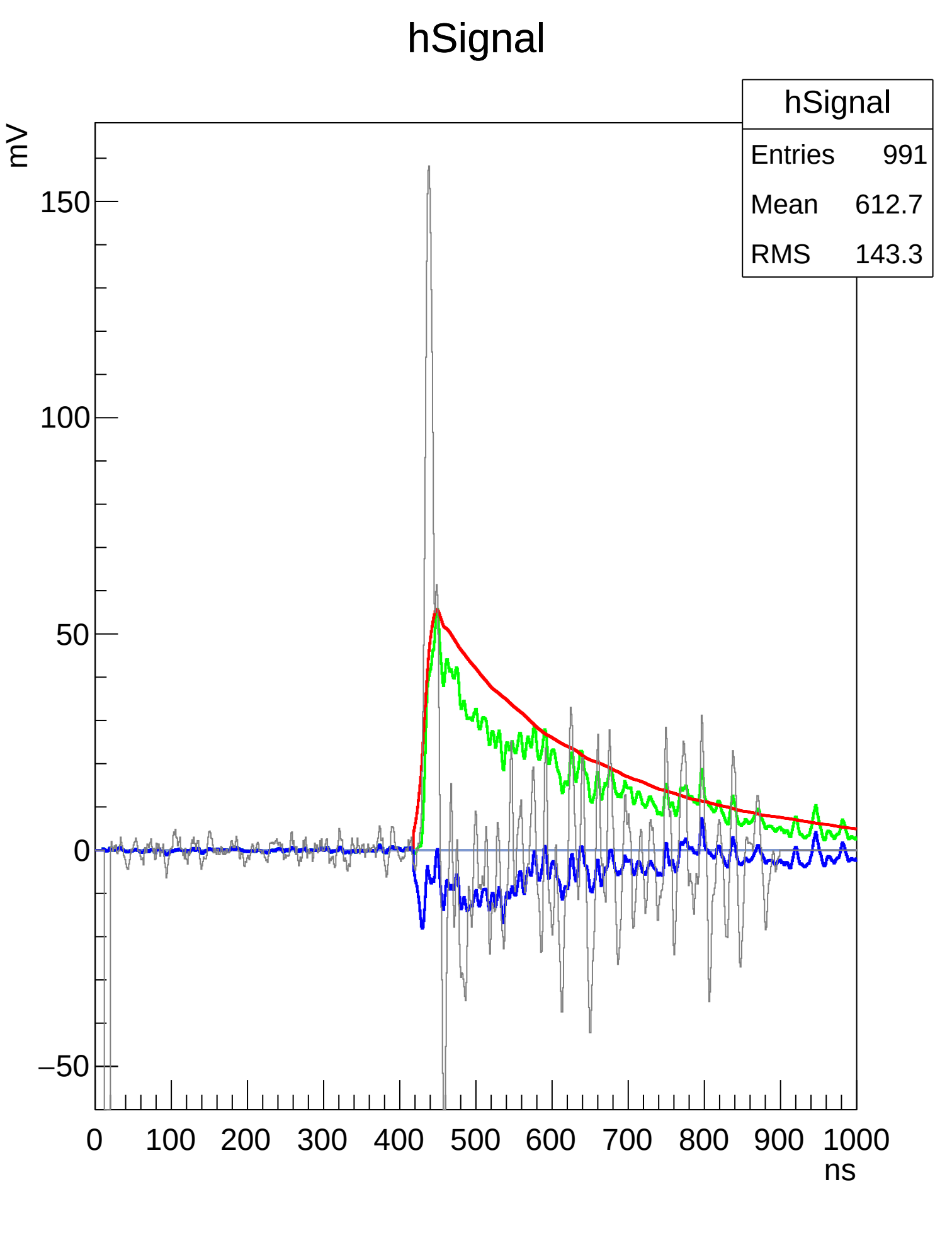
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.6
RMS 146.3
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.6
RMS 146.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.7
RMS 143.3
mV
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100
50
0
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0
100
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800
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1000
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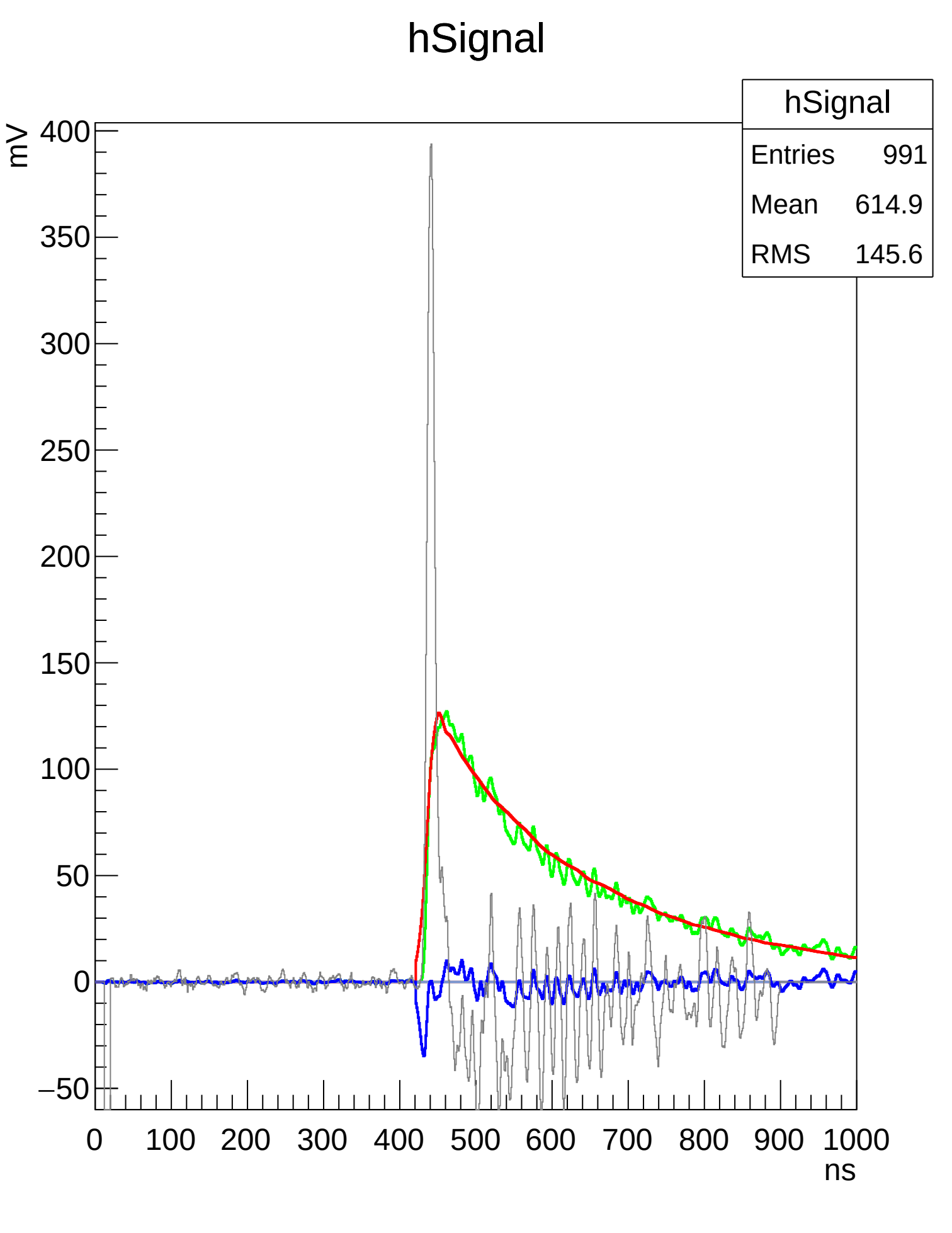
hSignal
hSignal
Entries 991
Mean 614.9
RMS 145.6
mV
400
350
300
250
200
150
100
50
0
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0
100
200
300
400
500
600
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800
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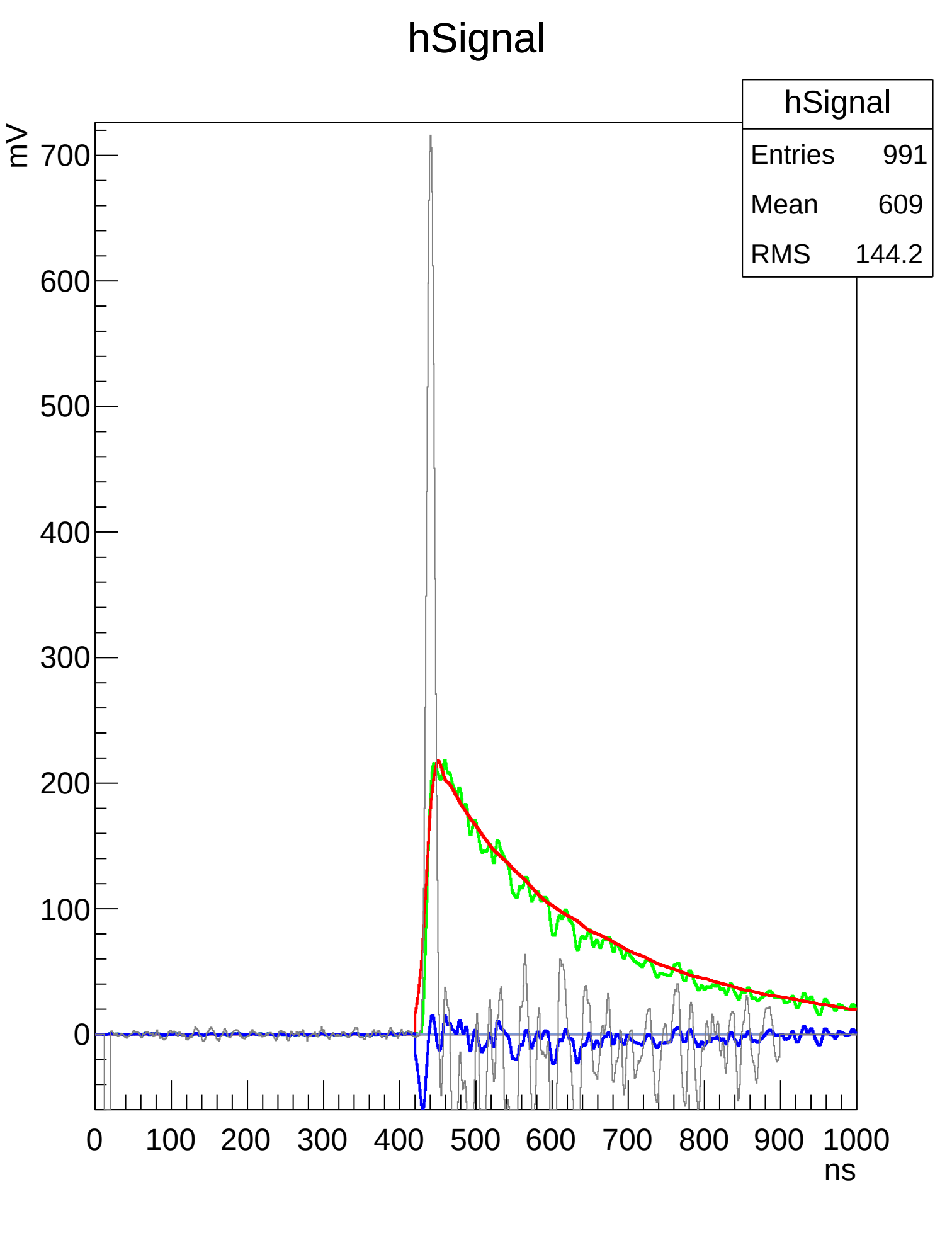
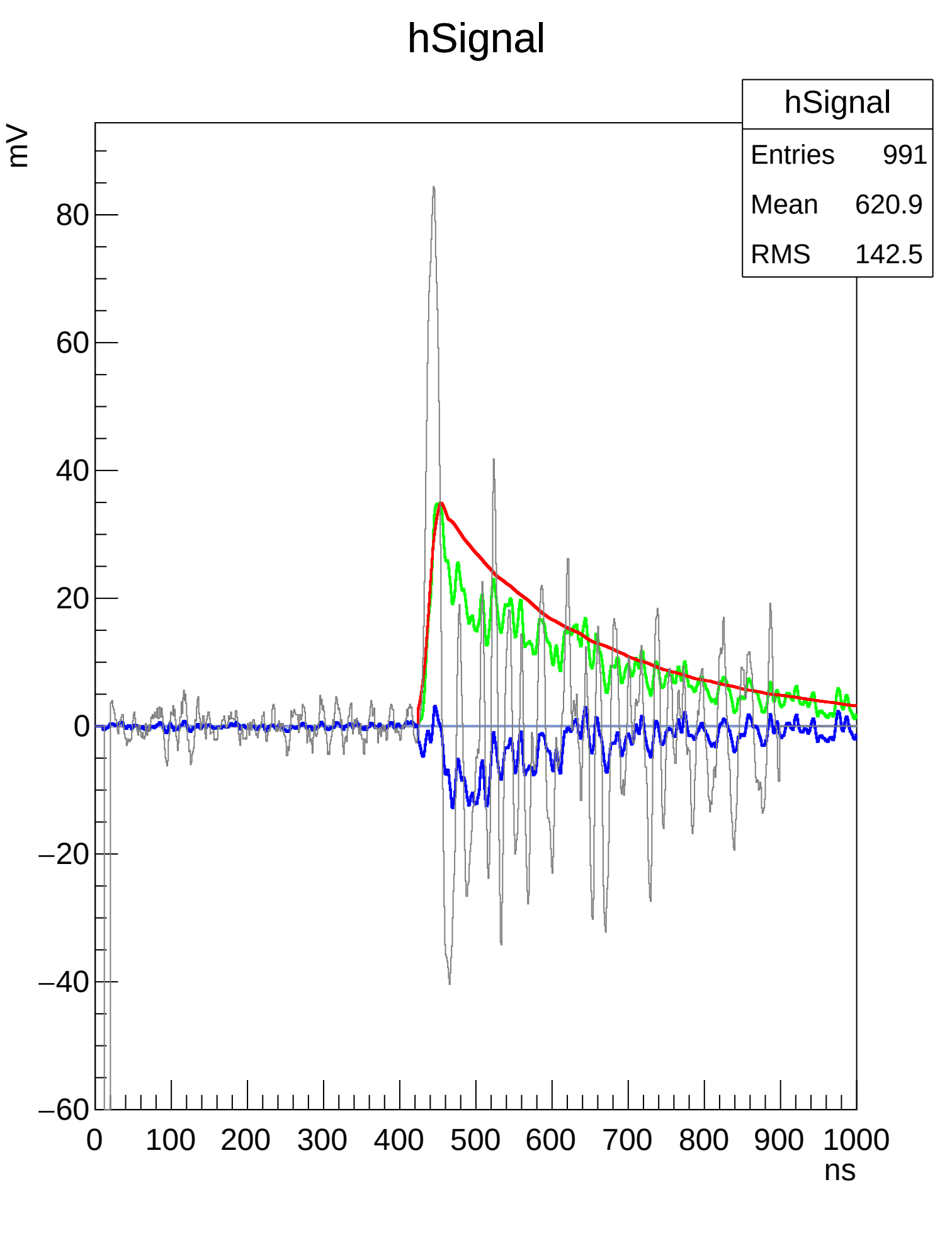
1000
ns


hSignal
hSignal
Entries 991
Mean 609
RMS 144.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620.9
RMS 142.5
mV
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40
20
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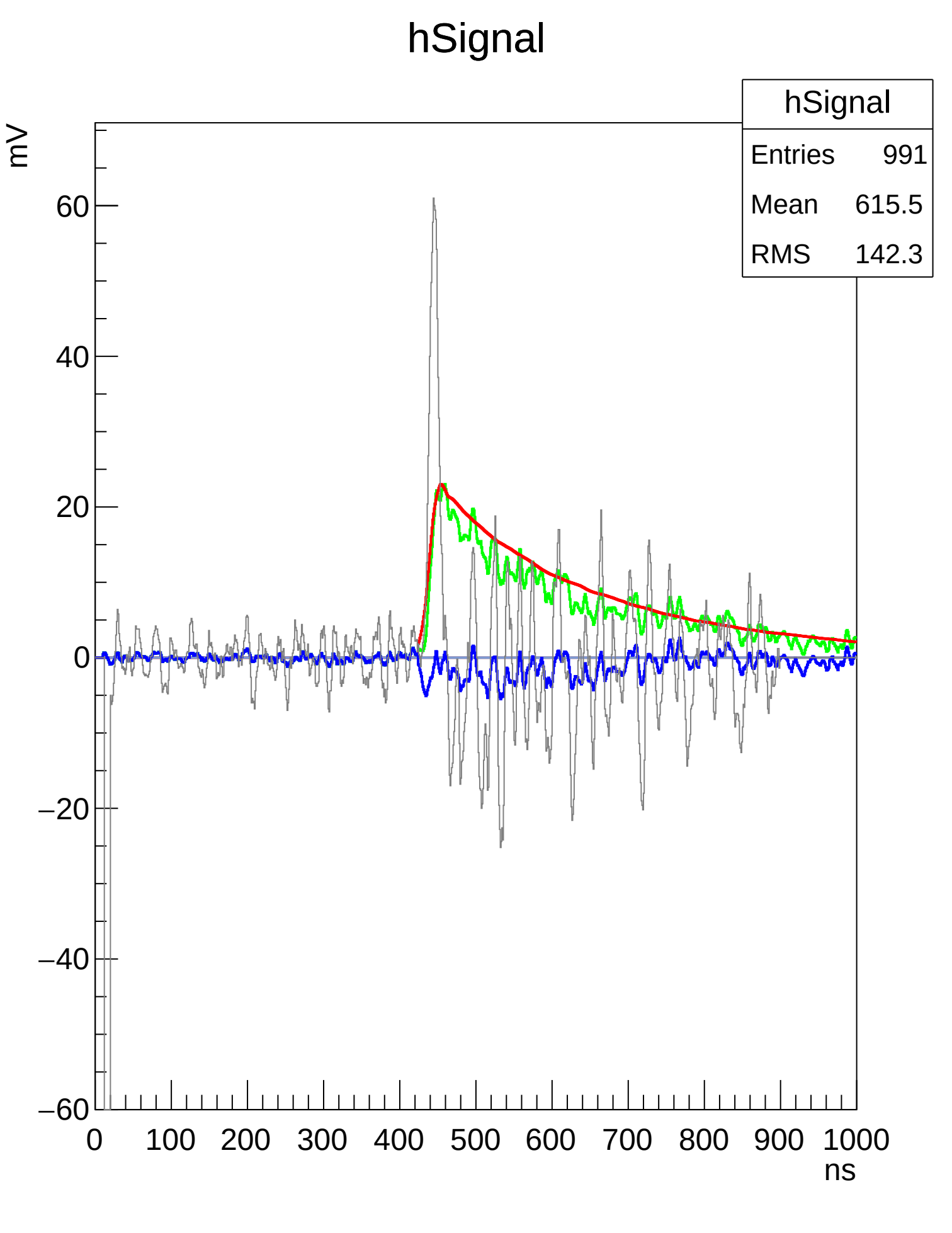
hSignal
hSignal
Entries 991
Mean 615.5
RMS 142.3
mV
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1000
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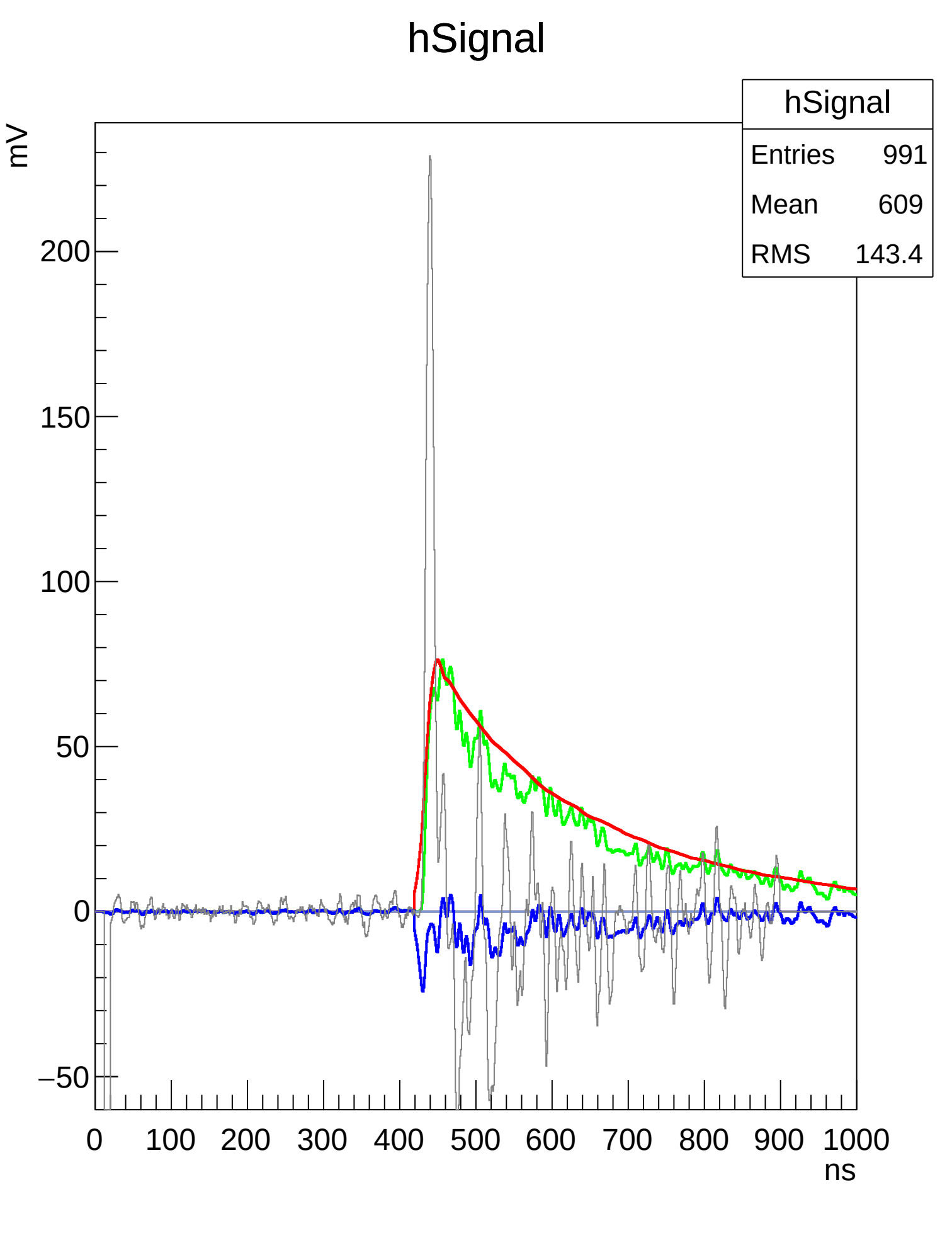
hSignal
hSignal
Entries 991
Mean 609
RMS 143.4
mV
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50
0
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0
100
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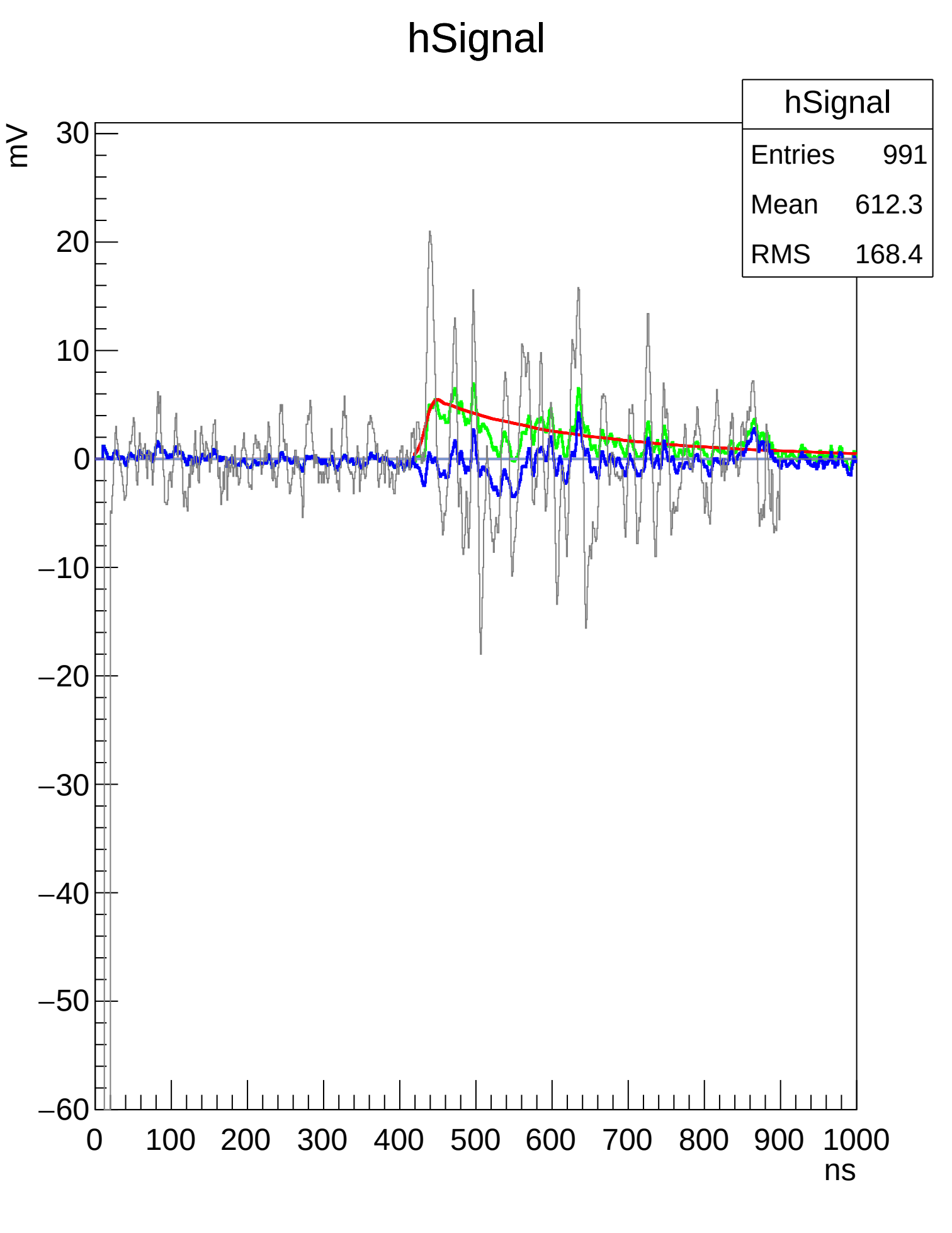
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 612.3
RMS 168.4
mV
30
20
10
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1000
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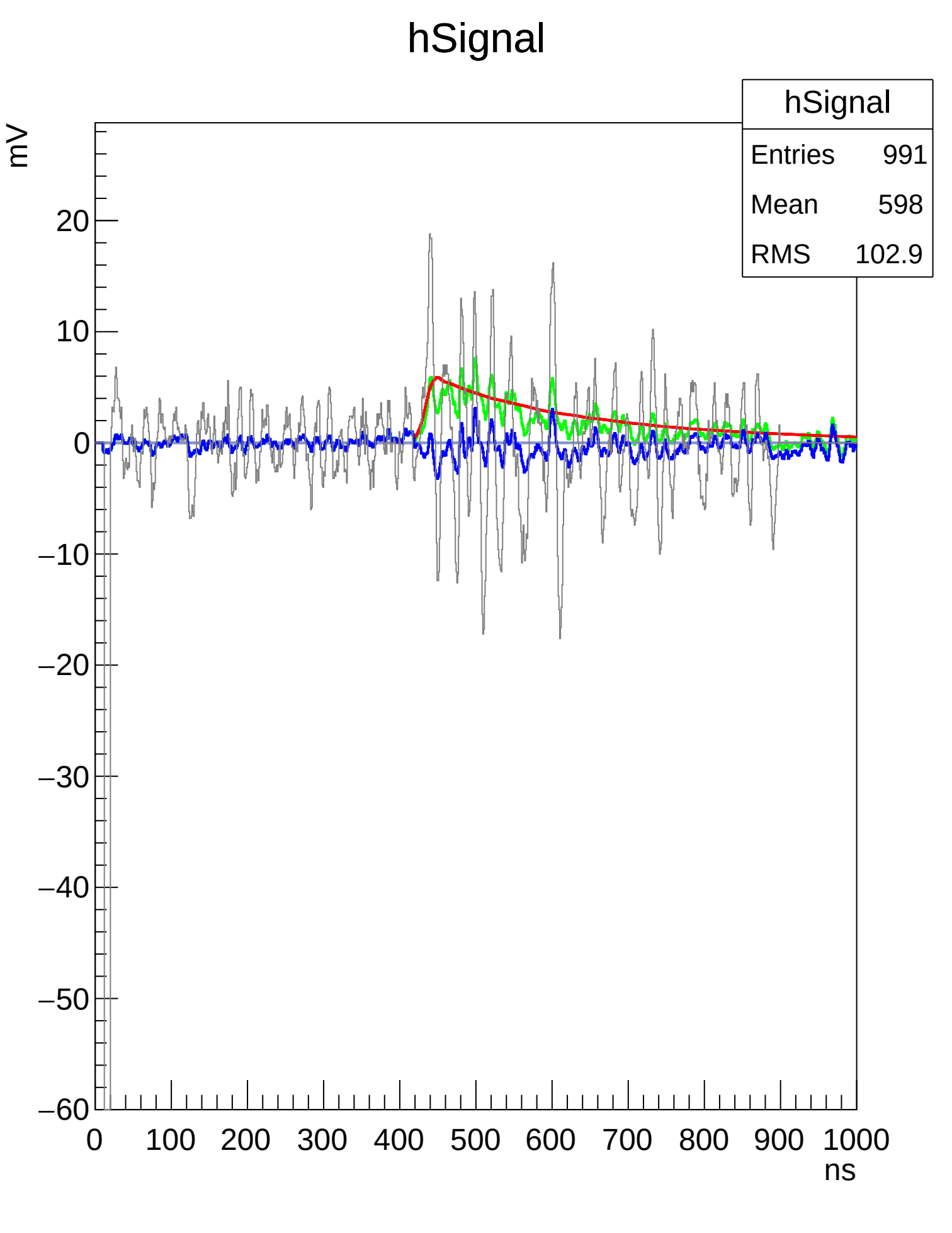
hSignal
hSignal
Entries 991
Mean 598
RMS 102.9
mV
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0
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400
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1000
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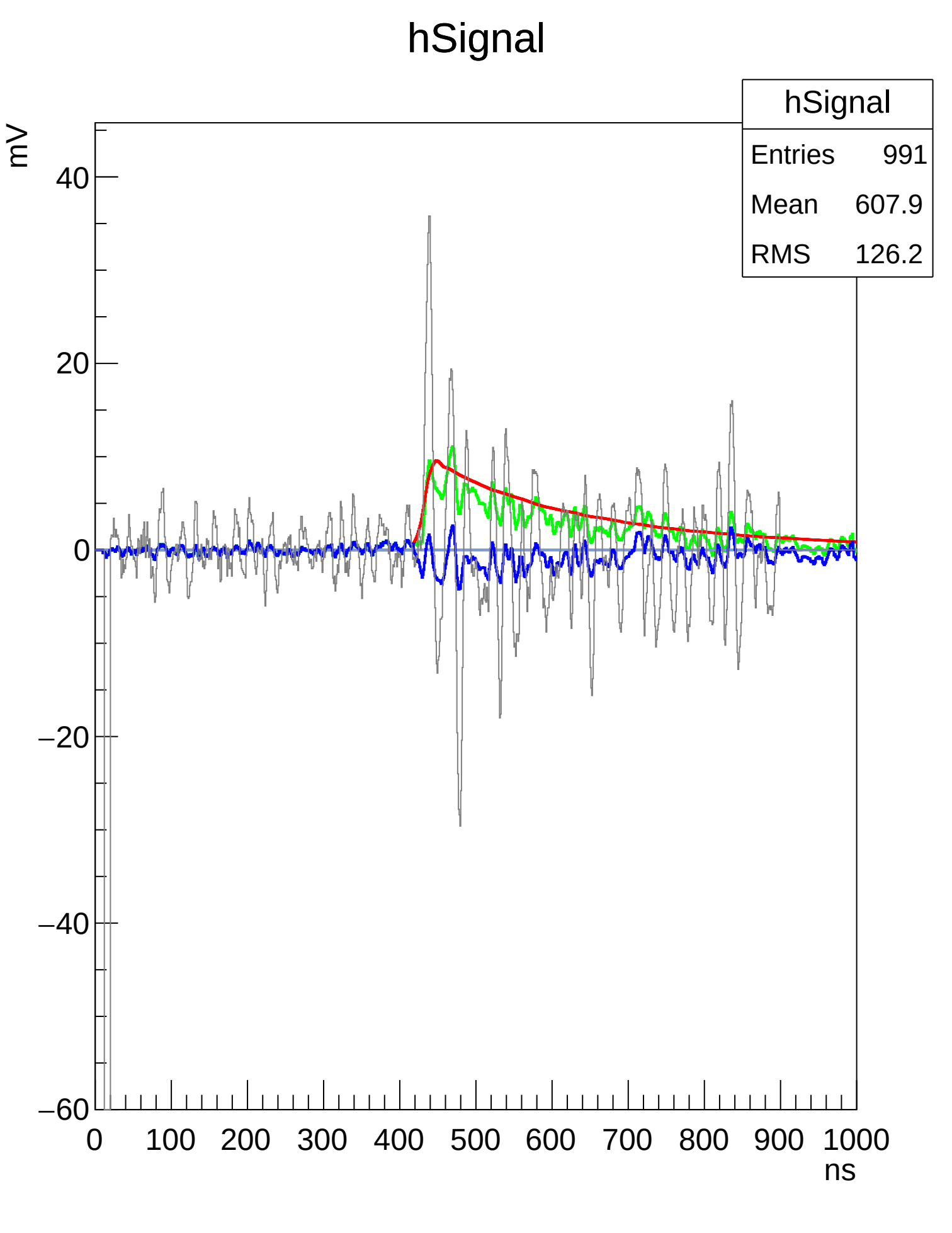
hSignal
hSignal
Entries 991
Mean 607.9
RMS 126.2
mV
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−20
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0
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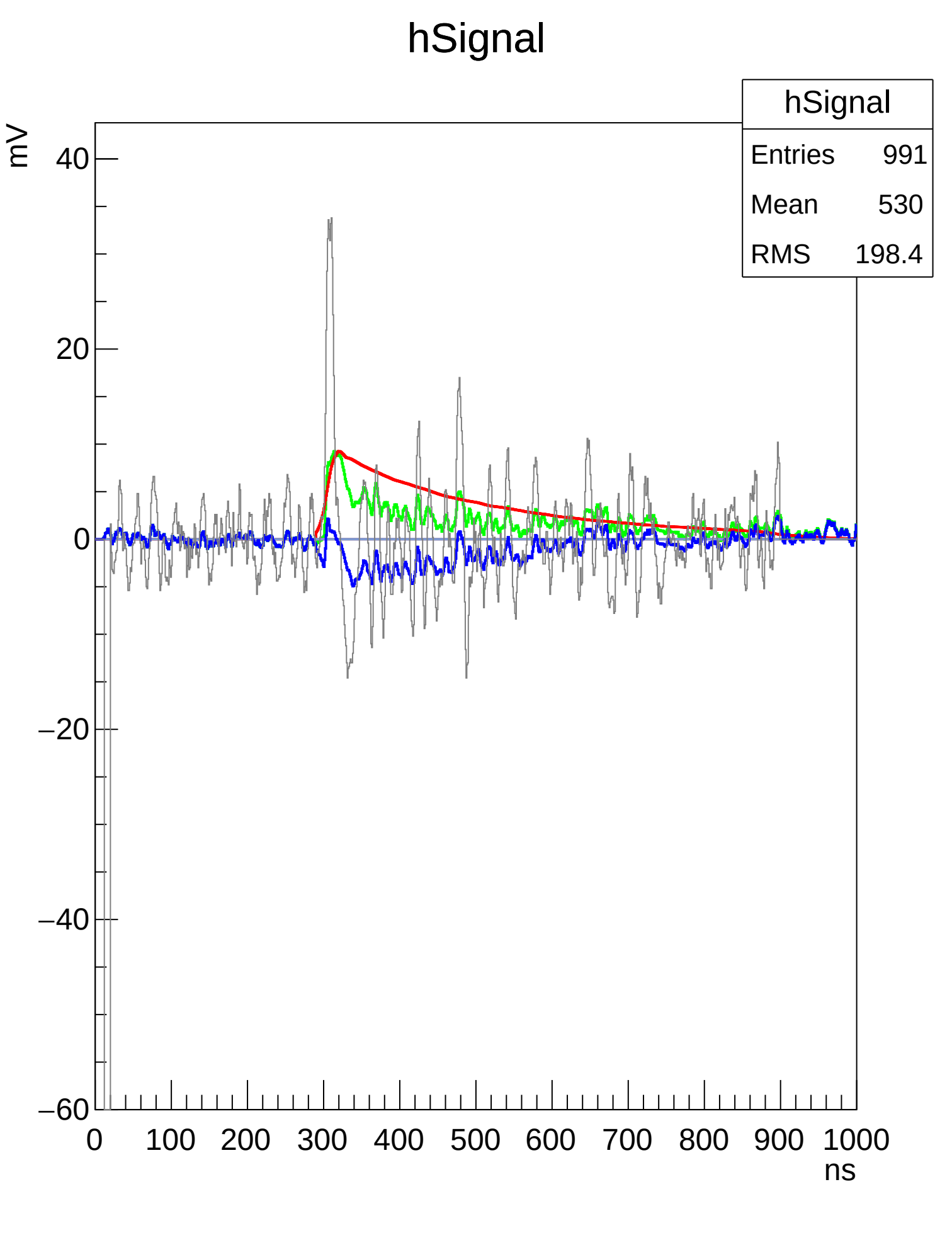
800
900
1000
ns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hSignal
Entries 991
Mean 530
RMS 198.4
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800
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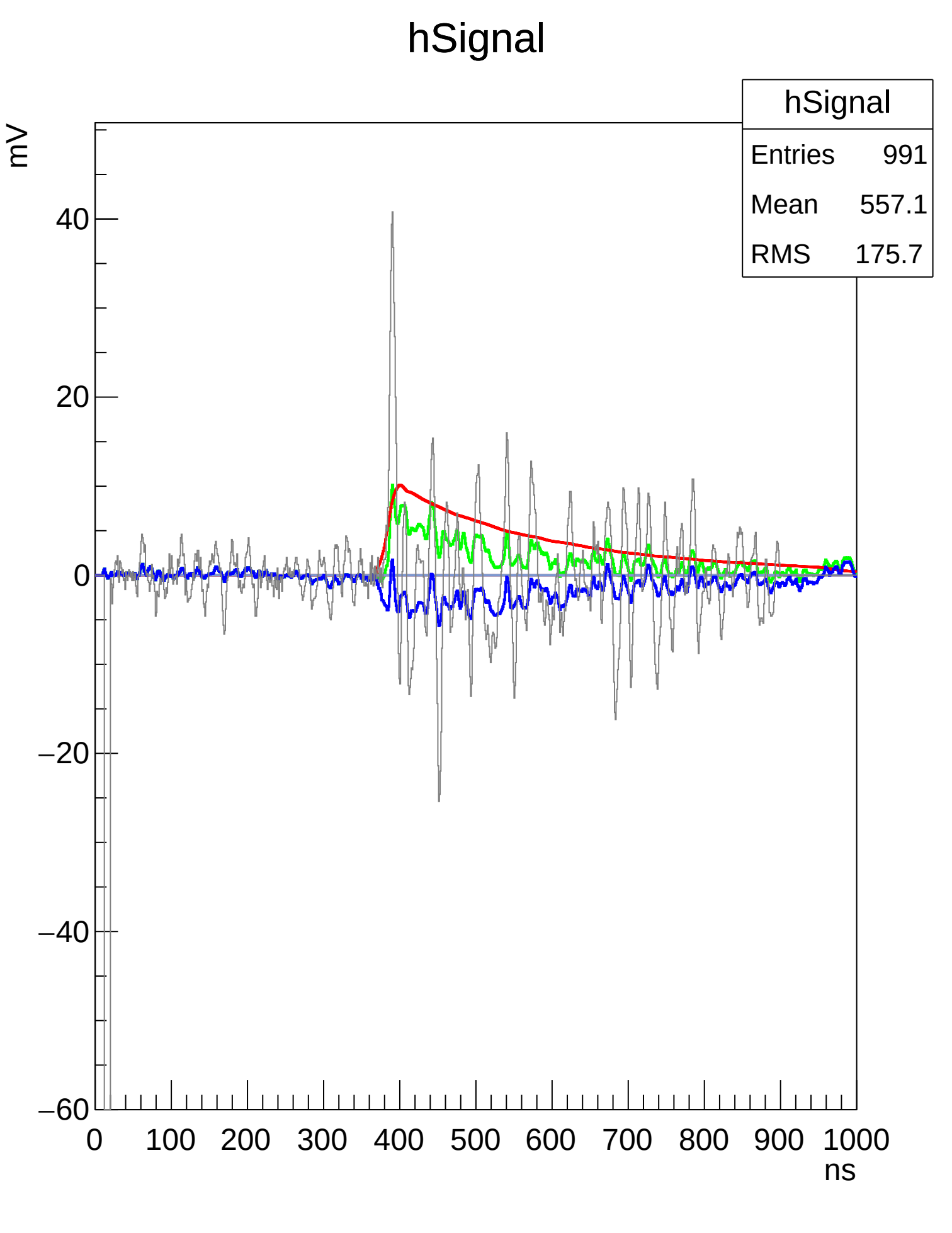
1000
ns


hSignal
hSignal
Entries 991
Mean 557.1
RMS 175.7
mV
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−20
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800
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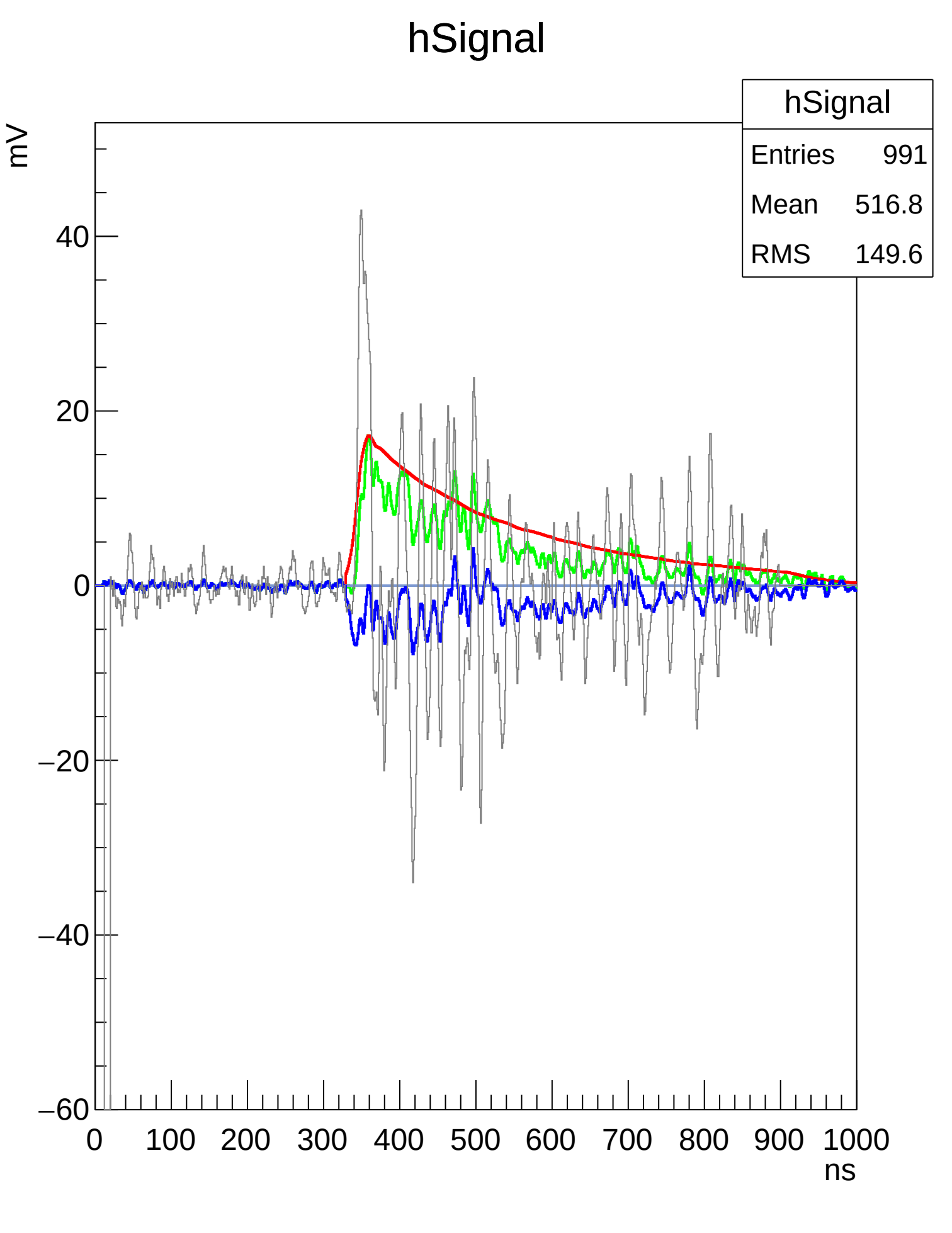
1000
ns


hSignal
hSignal
Entries 991
Mean 516.8
RMS 149.6
mV
40
20
0
−20
−40
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0
100
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400
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600
700
800
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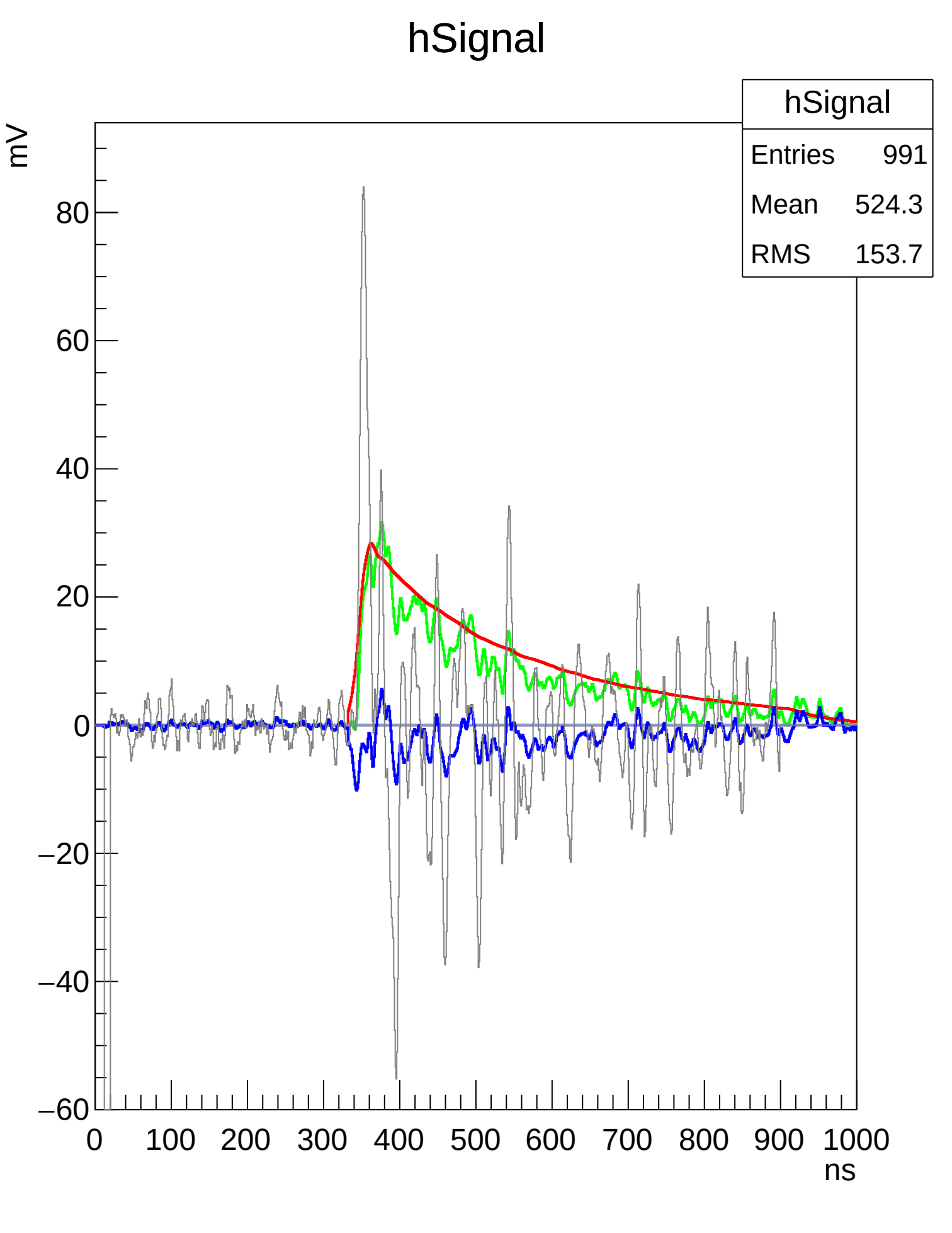
1000
ns


hSignal
hSignal
Entries 991
Mean 524.3
RMS 153.7
mV
80
60
40
20
0
−20
−40
−60
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600
700
800
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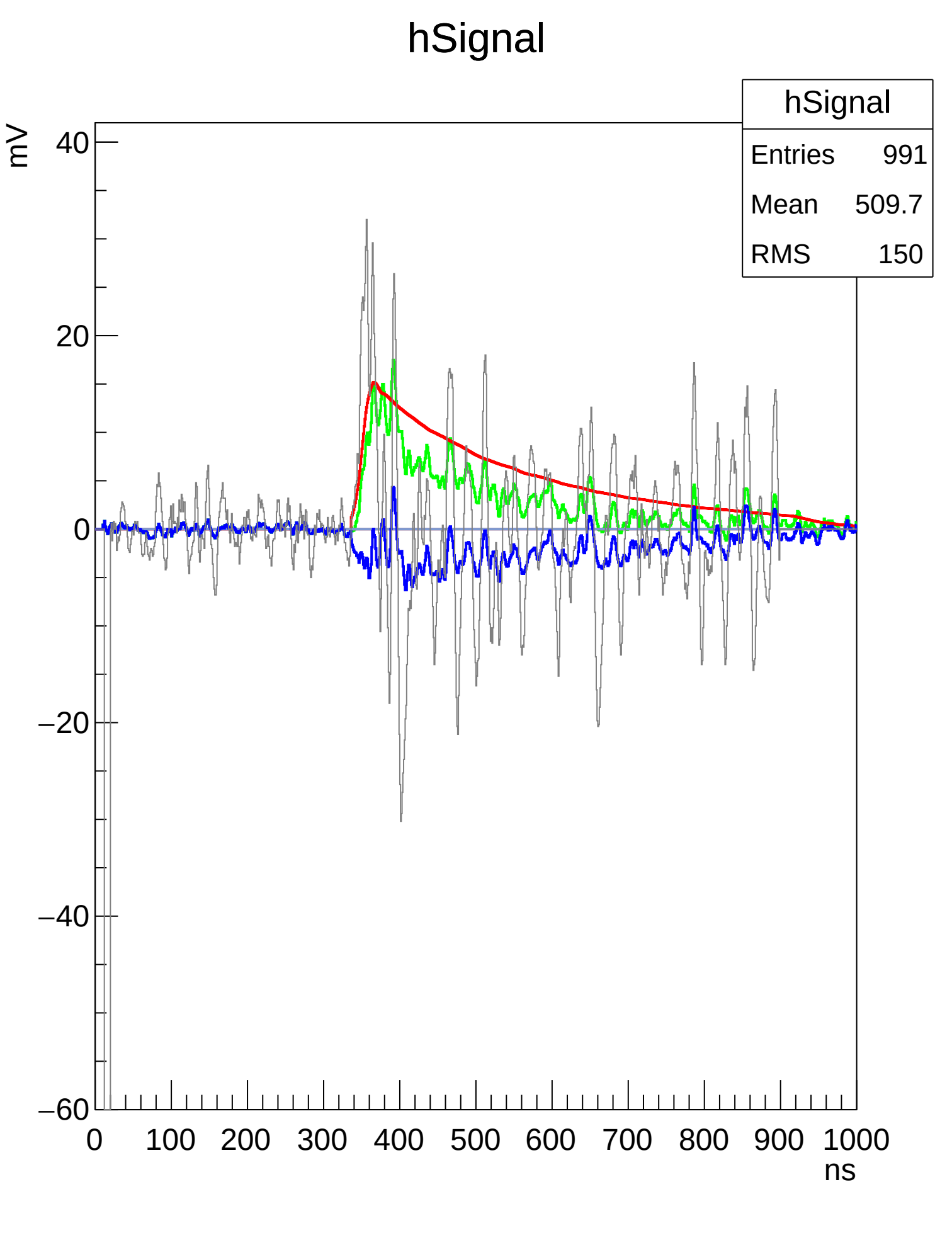
1000
ns


hSignal
hSignal
Entries 991
Mean 509.7
RMS 150
mV
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20
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−20
−40
−60
0
100
200
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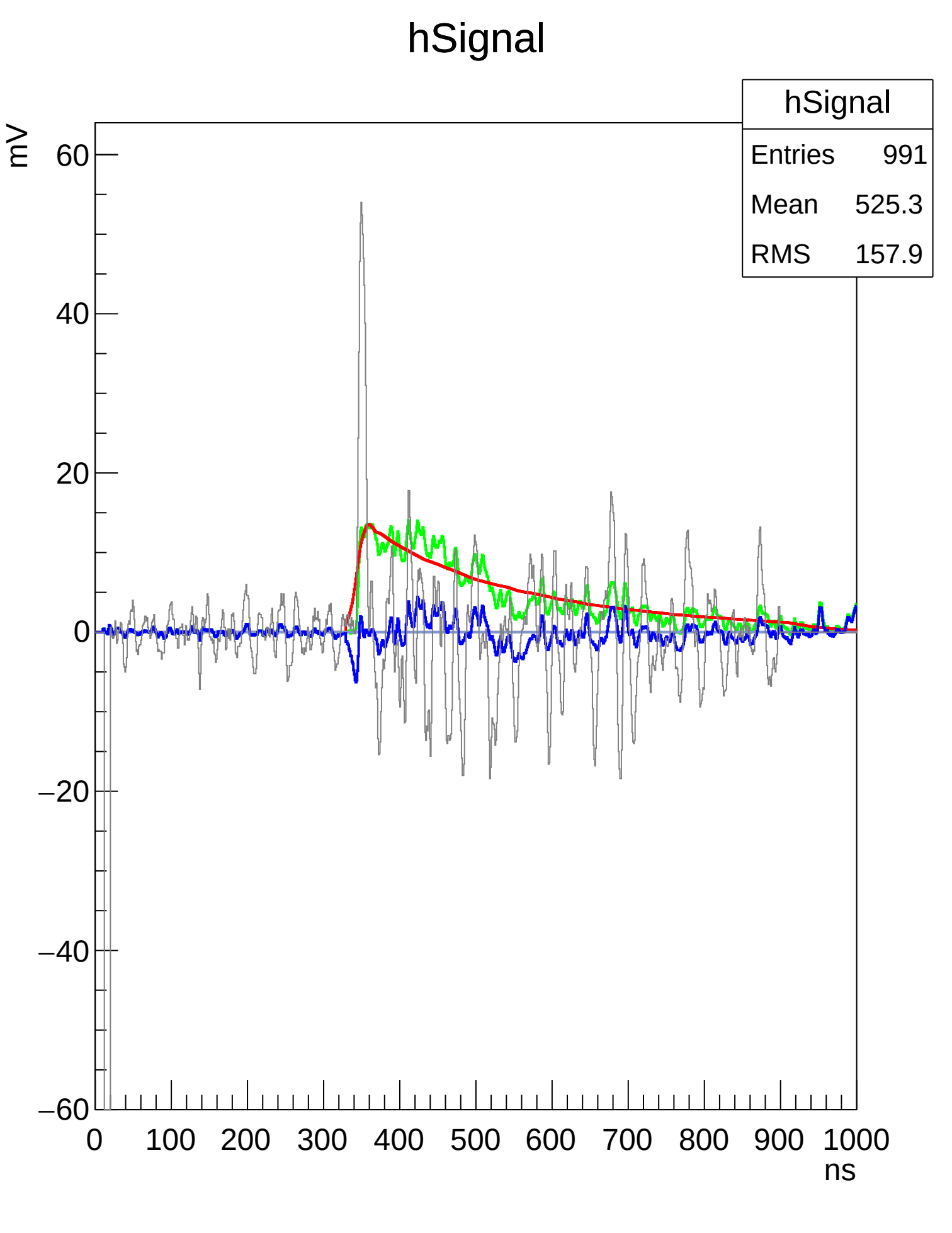
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 525.3
RMS 157.9
mV
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20
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−20
−40
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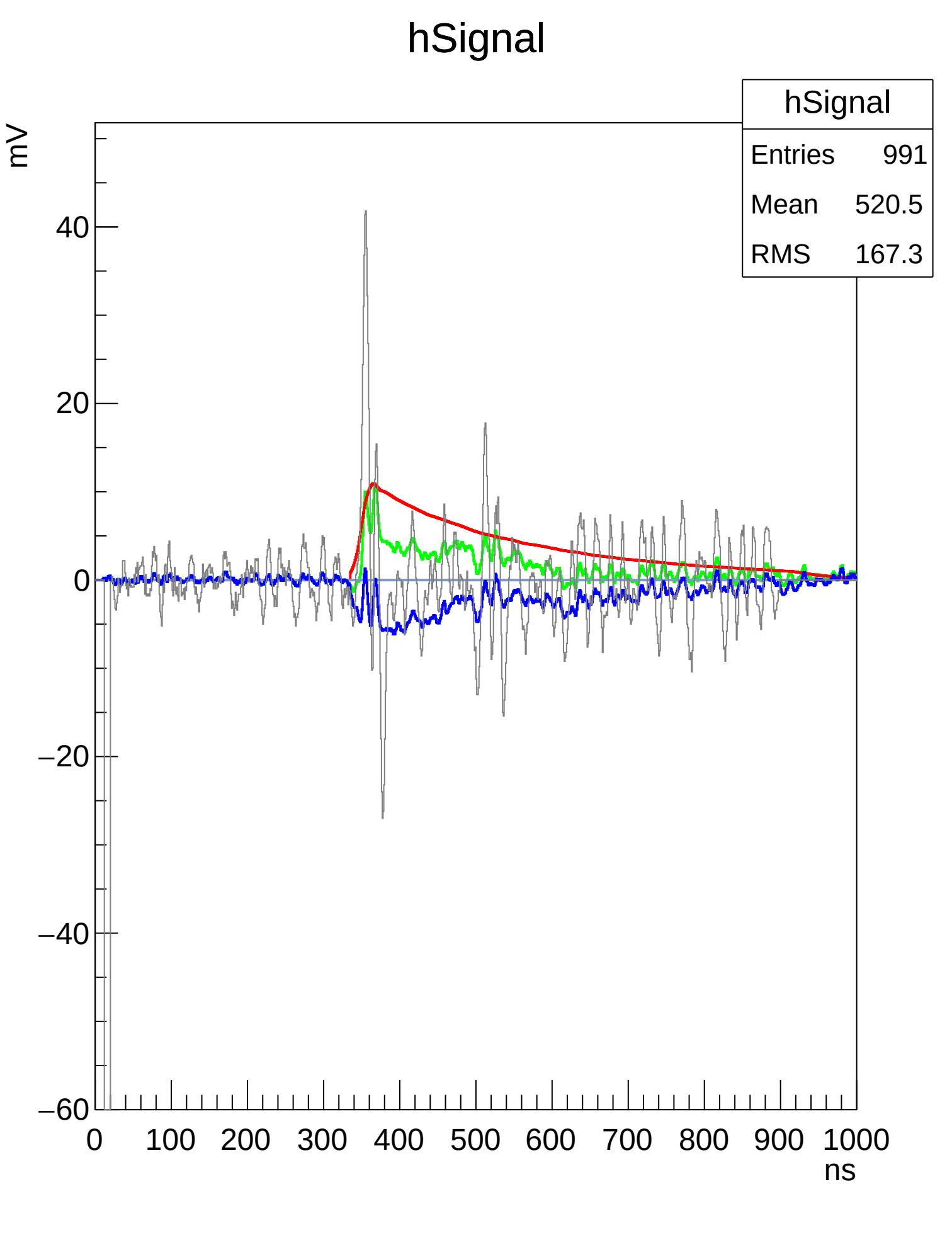
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 520.5
RMS 167.3
mV
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−20
−40
−60
0
100
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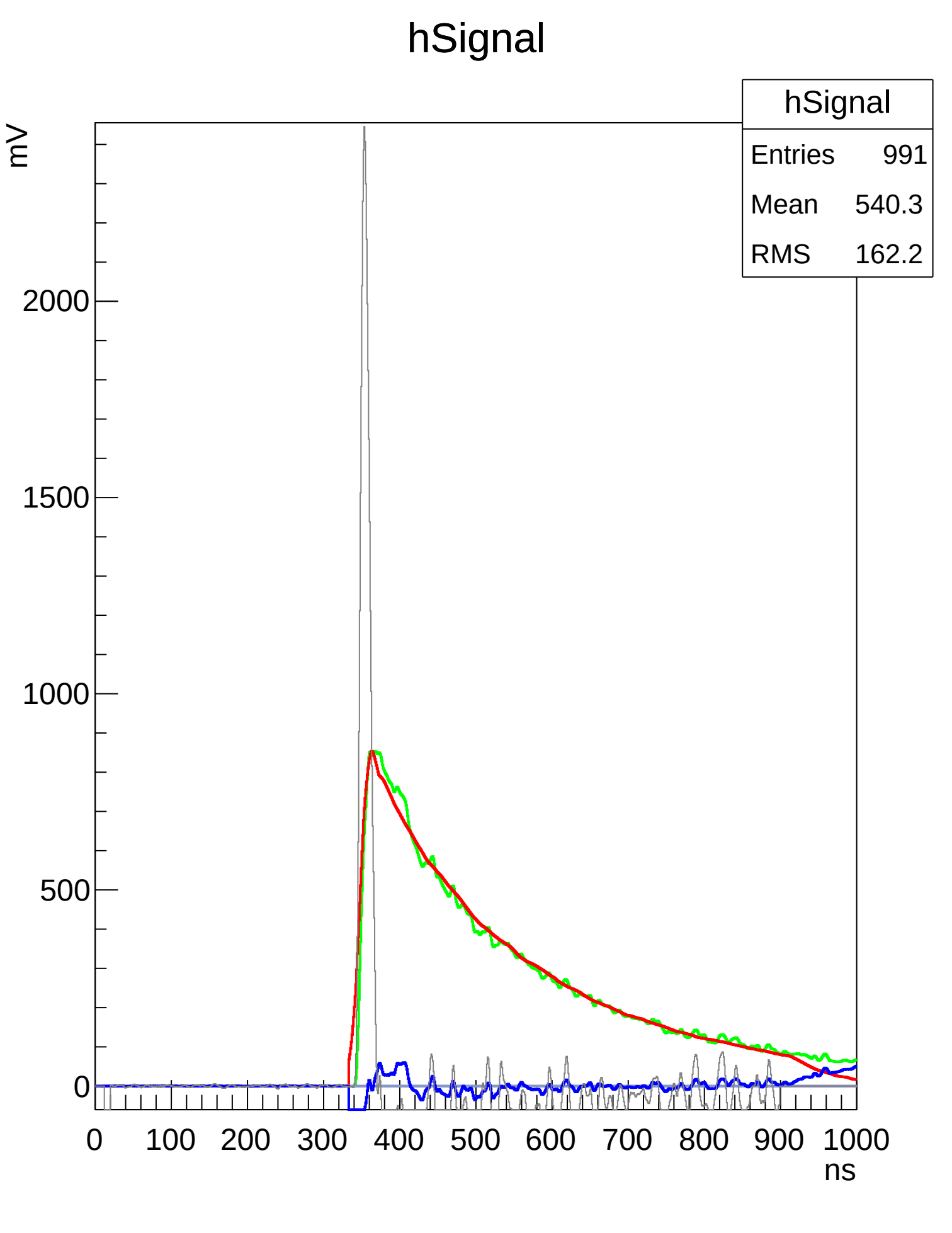
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 540.3
RMS 162.2
mV
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1500
1000
500
0
0
100
200
300
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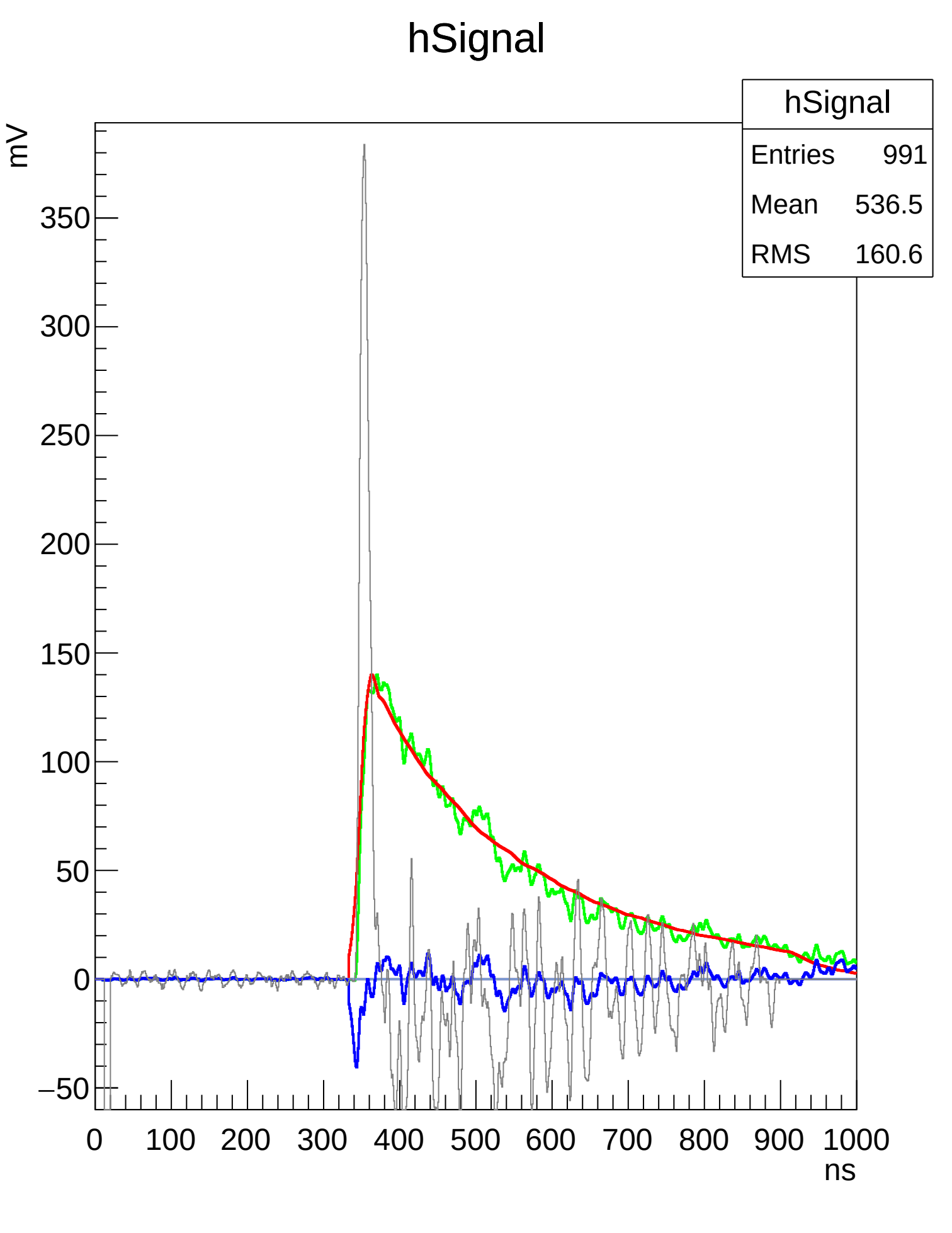
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.5
RMS 160.6
mV
350
300
250
200
150
100
50
0
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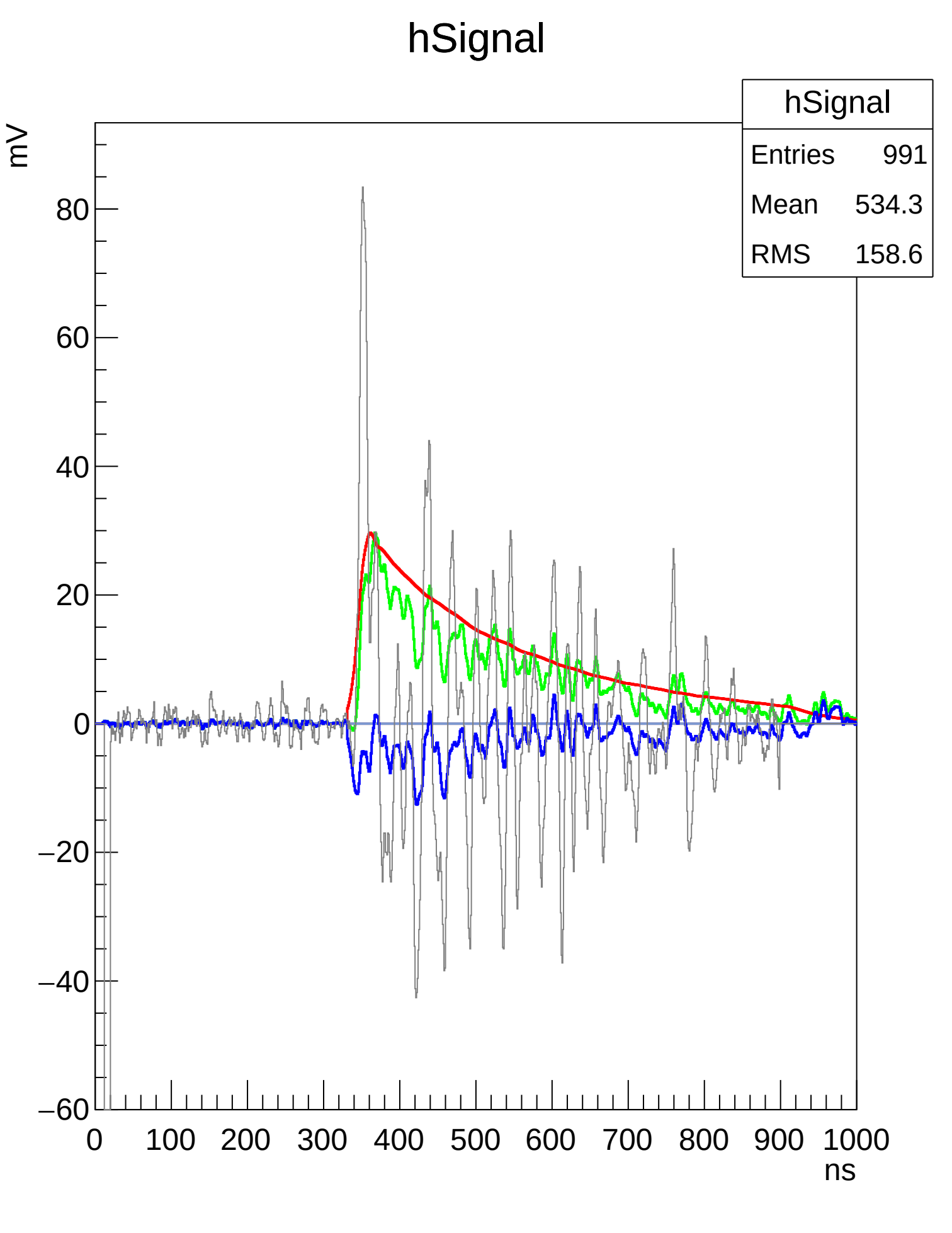
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 534.3
RMS 158.6
mV
80
60
40
20
0
−20
−40
−60
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100
200
300
400
500
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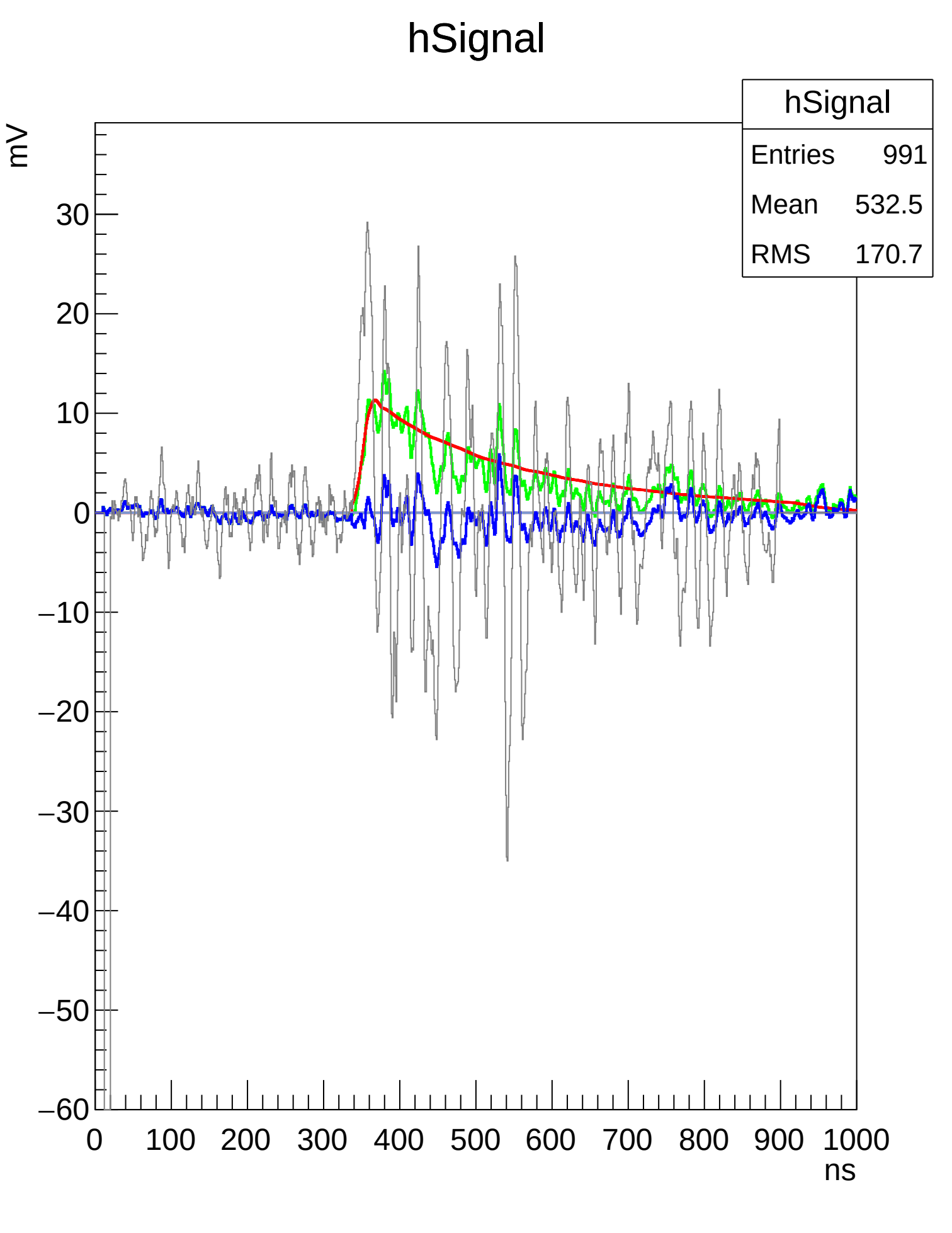
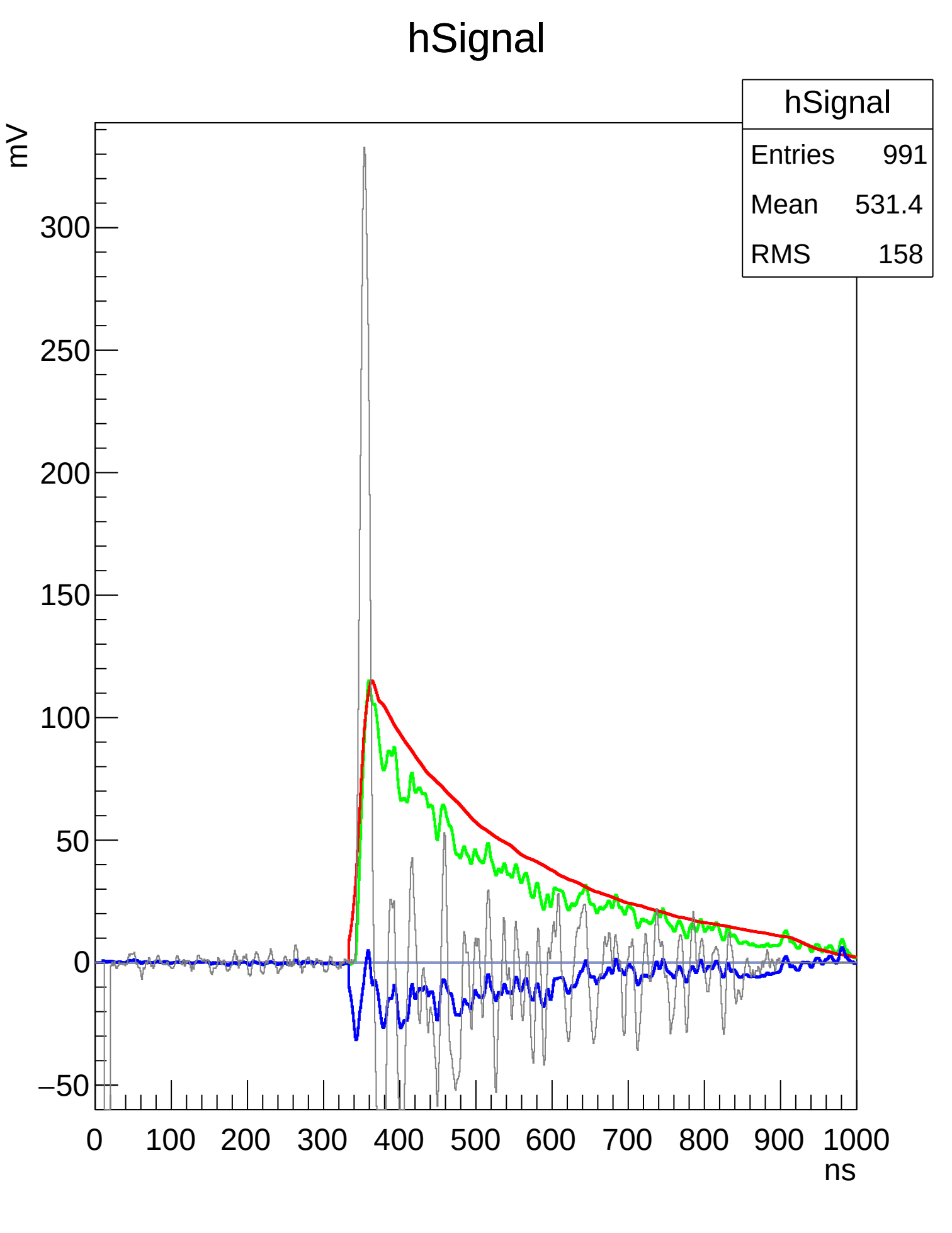
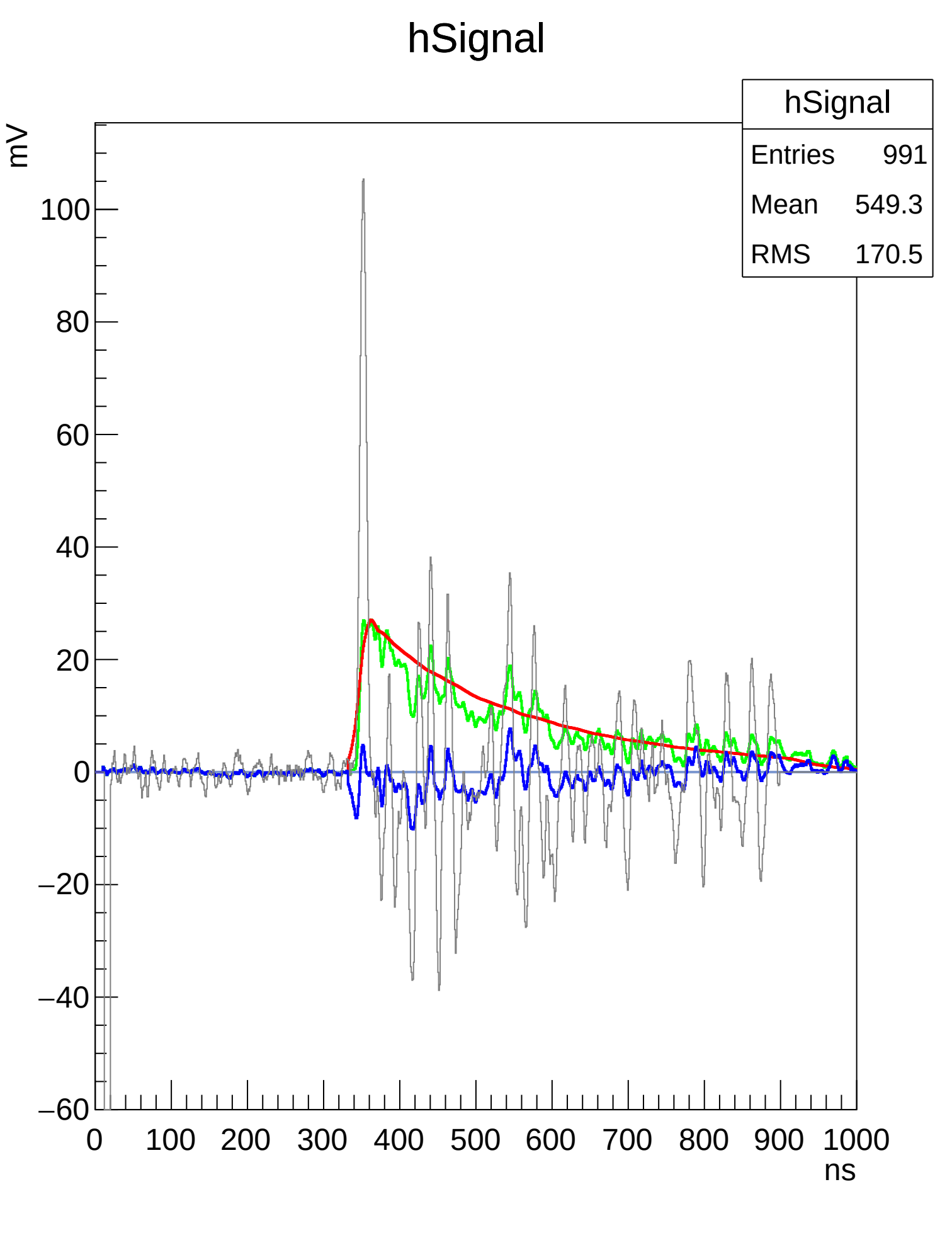
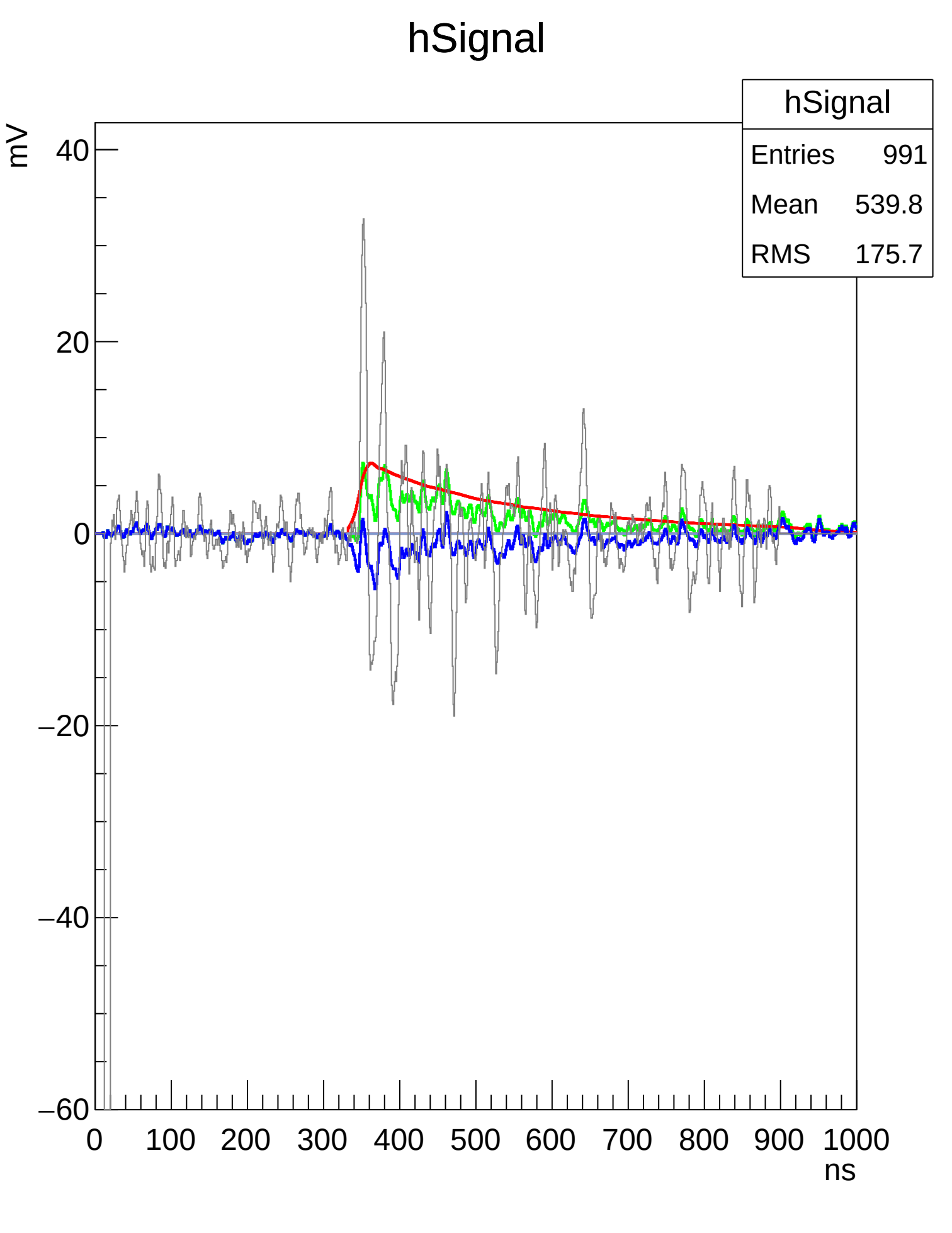
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.5
RMS 170.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 531.4
RMS 158
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 549.3
RMS 170.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 539.8
RMS 175.7
mV
40
20
0
−20
−40
−60
0
100
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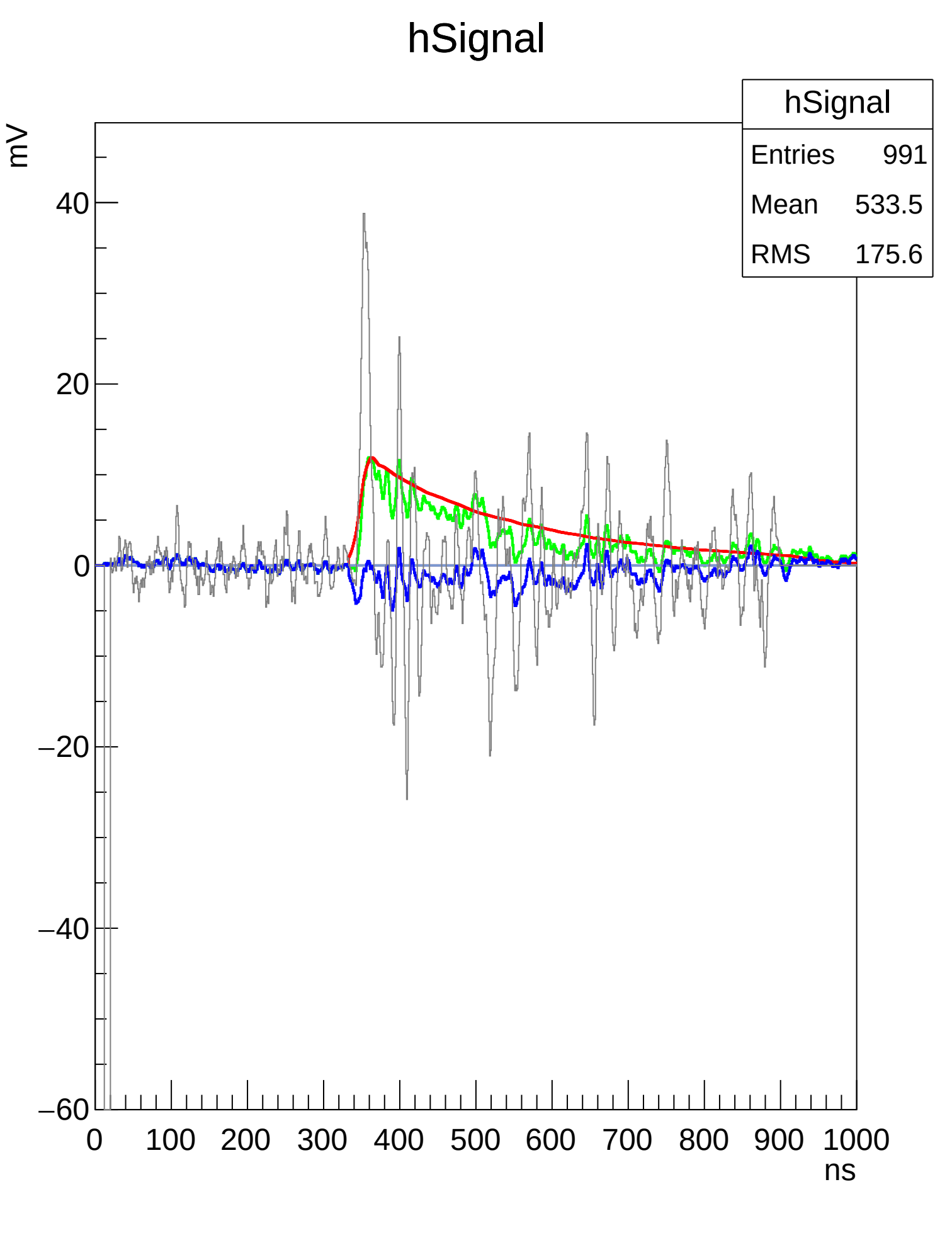
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 533.5
RMS 175.6
mV
40
20
0
−20
−40
−60
0
100
200
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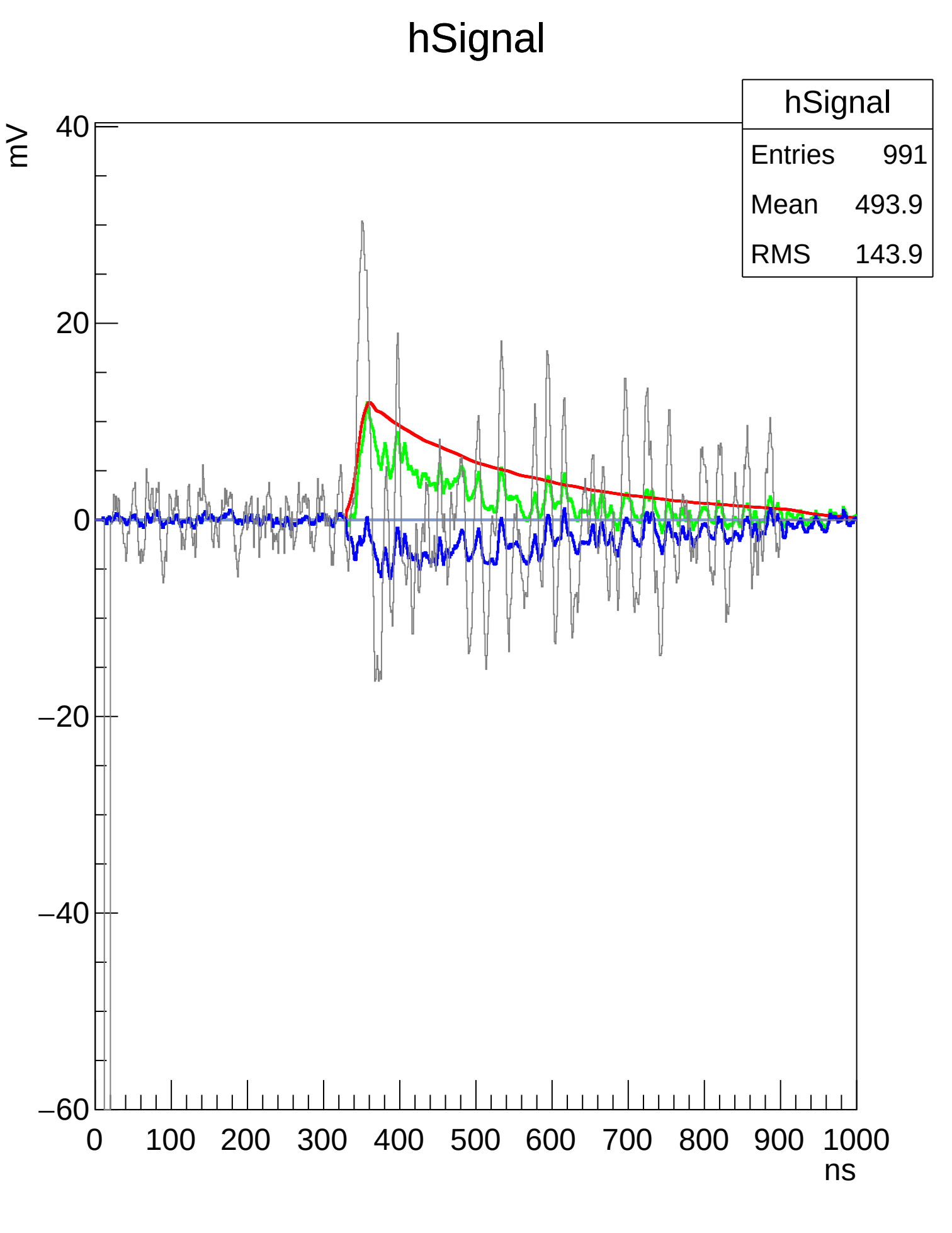
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.9
RMS 143.9
mV
40
20
0
−20
−40
−60
0
100
200
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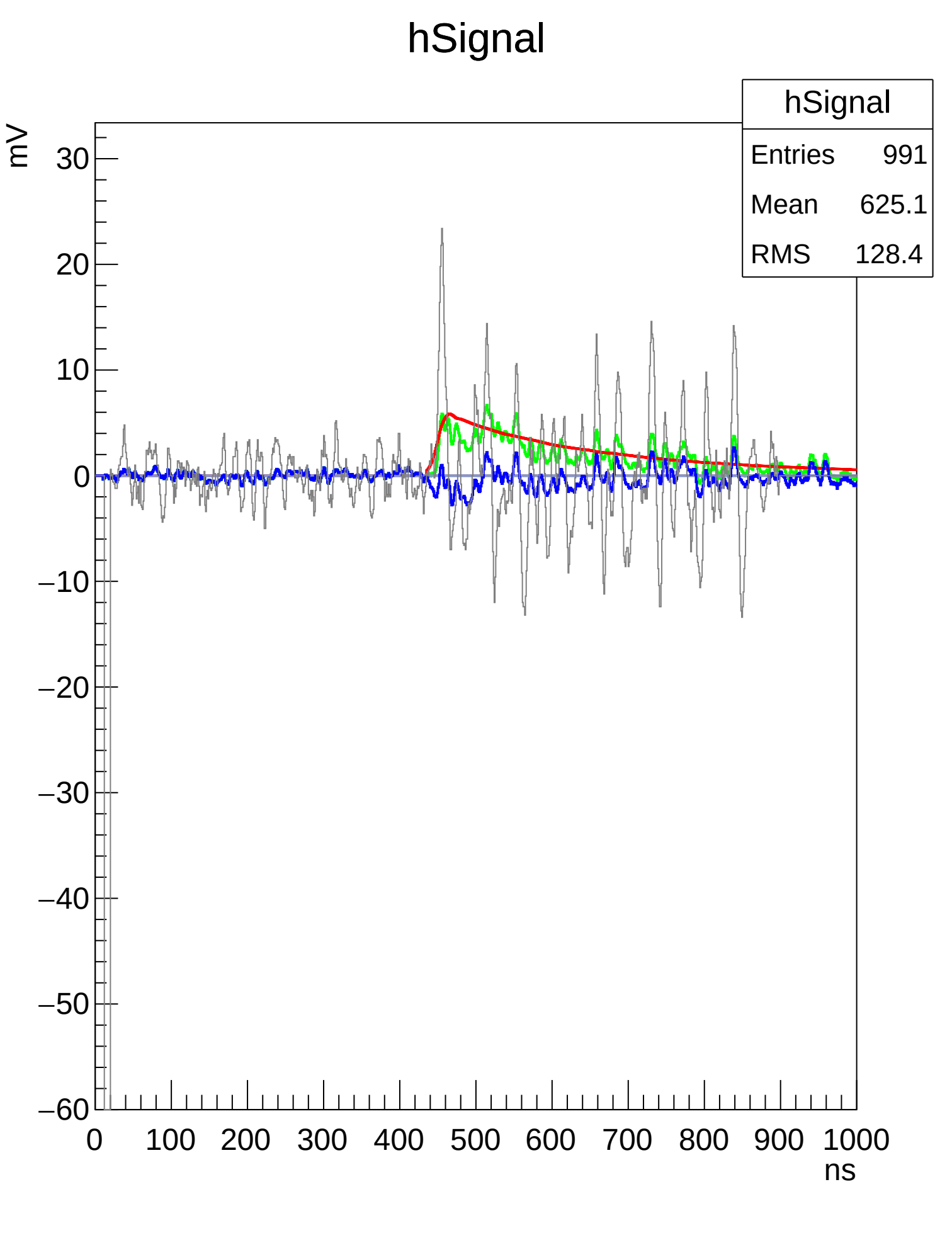
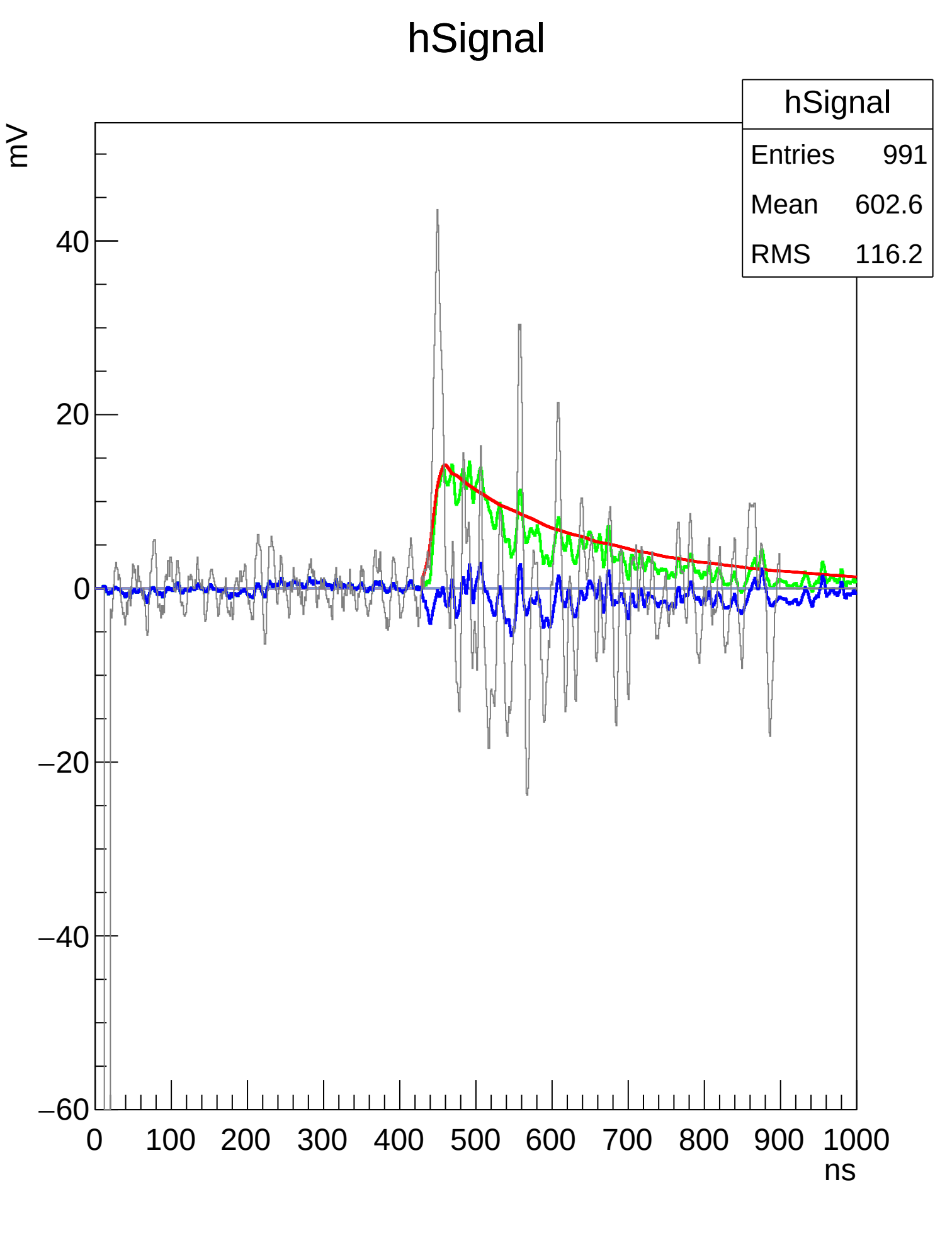
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.1
RMS 128.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.6
RMS 116.2
mV
40
20
0
−20
−40
−60
0
100
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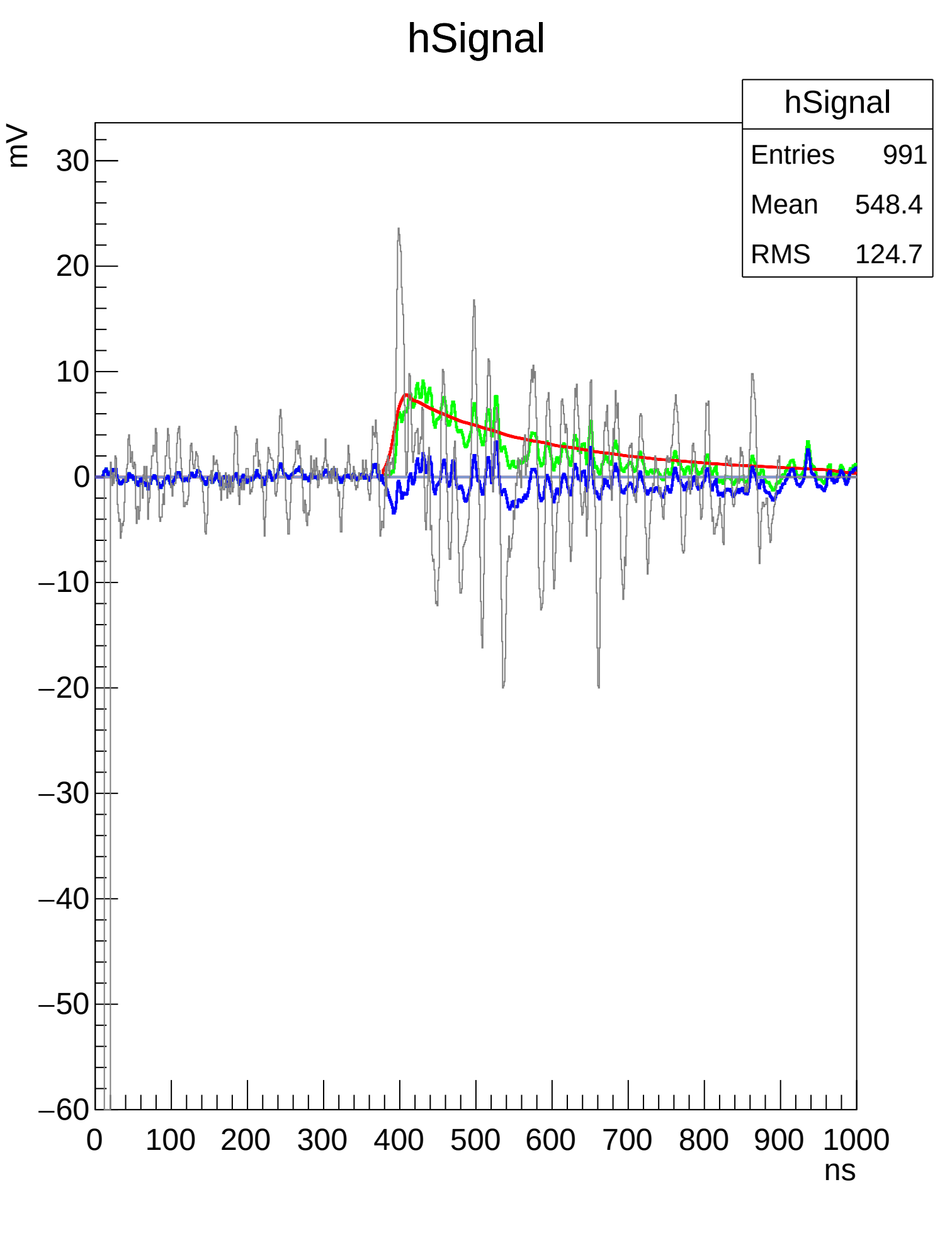
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 548.4
RMS 124.7
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
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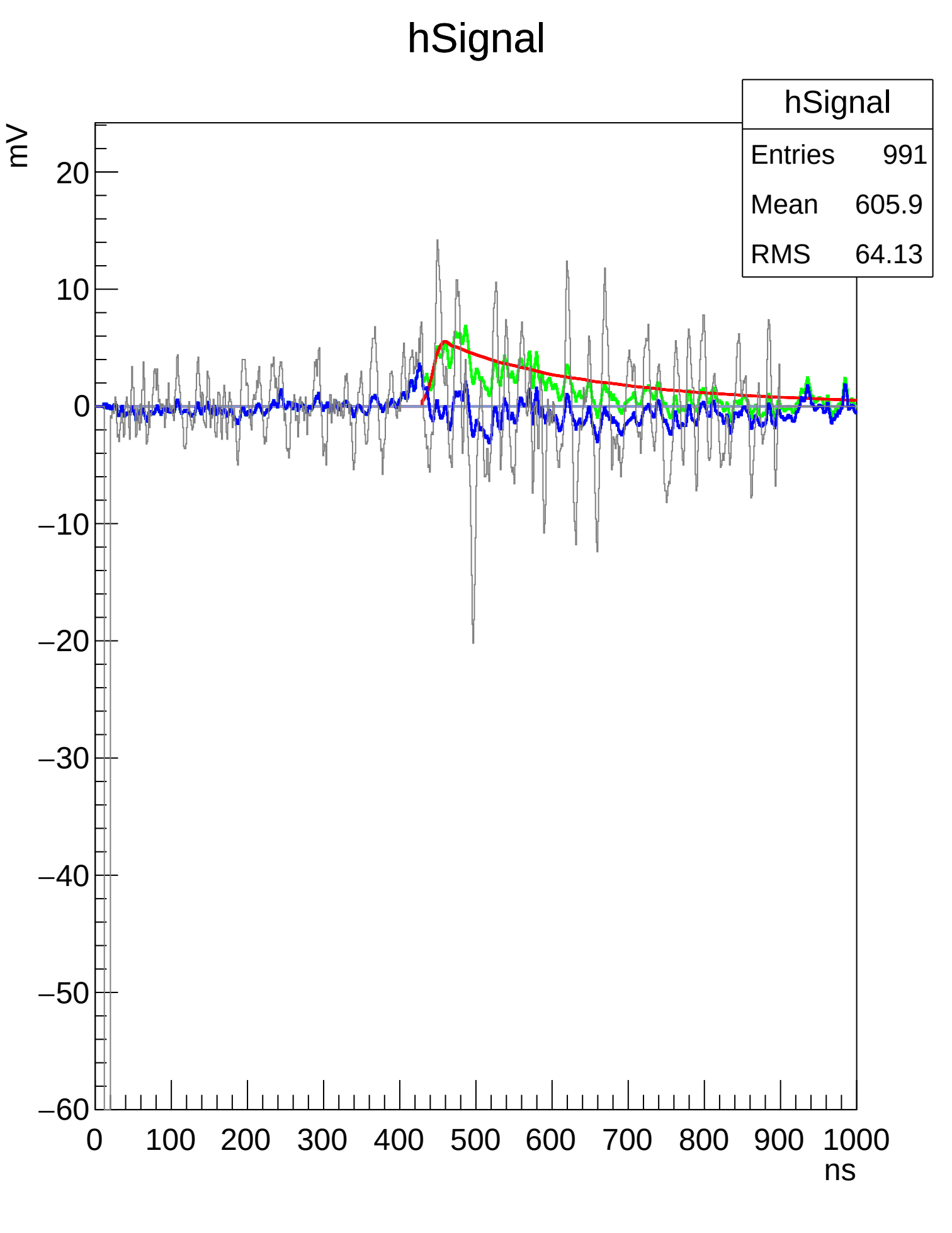
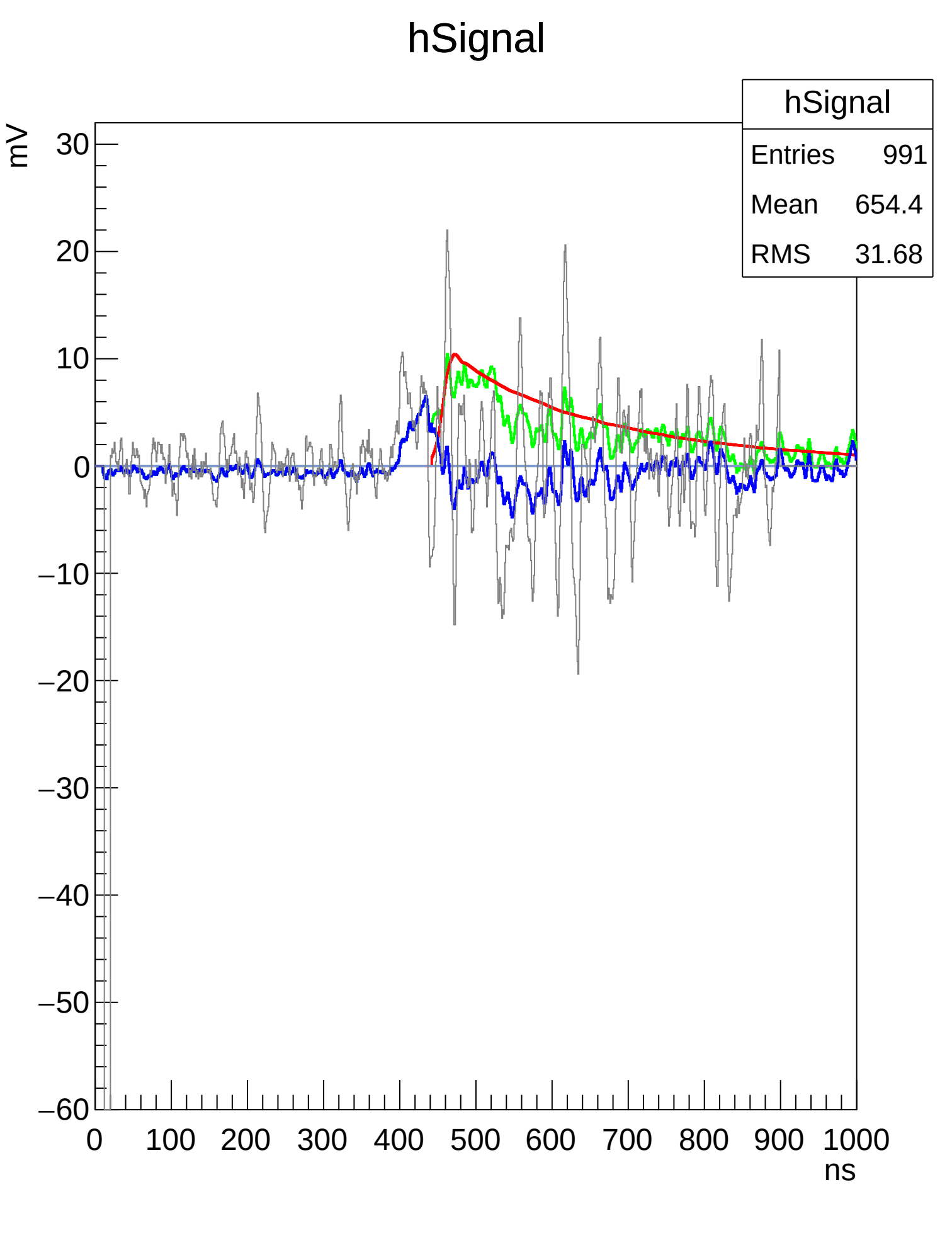
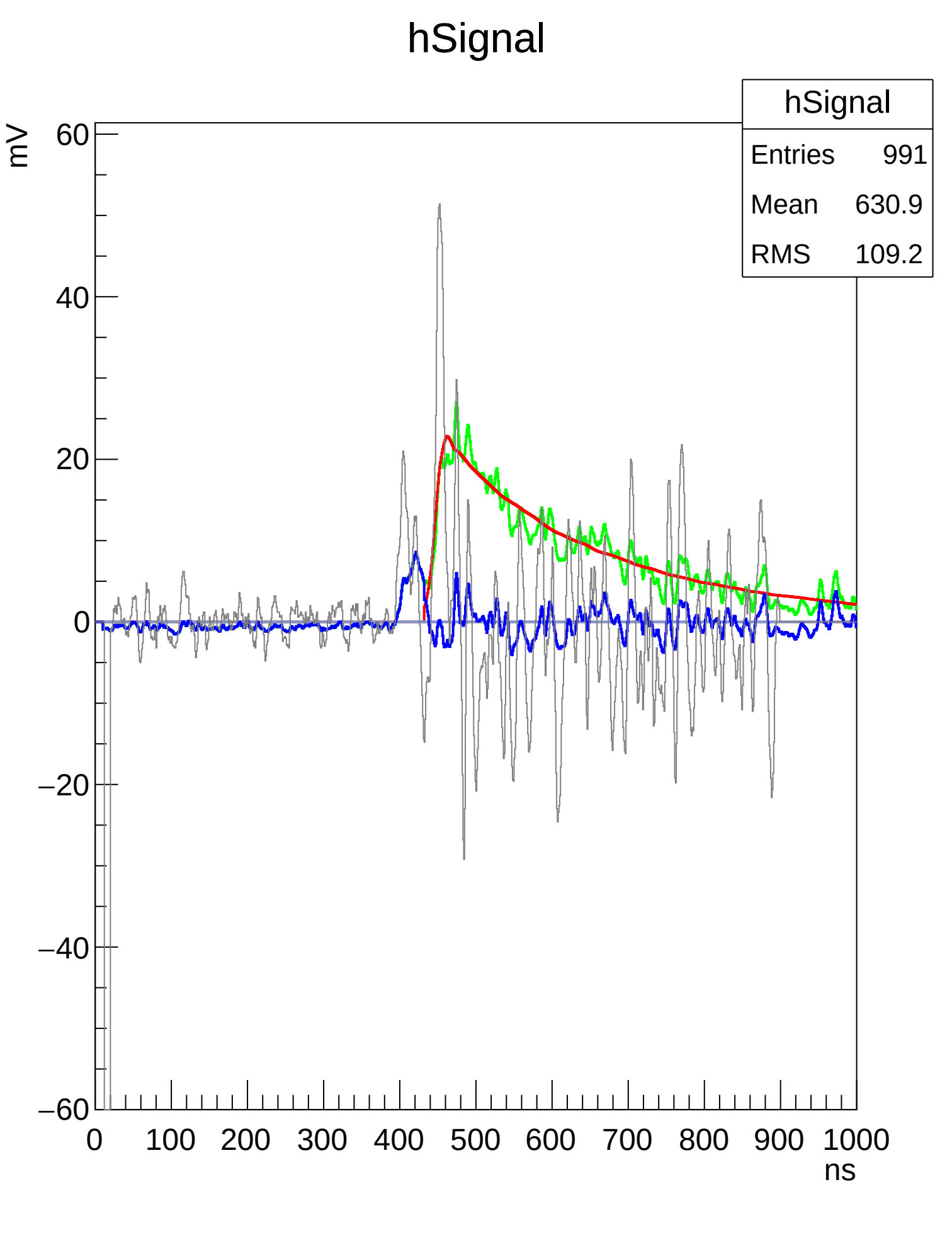
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 605.9
RMS 64.13
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 654.4
RMS 31.68
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 630.9
RMS 109.2
mV
60
40
20
0
−20
−40
−60
0
100
200
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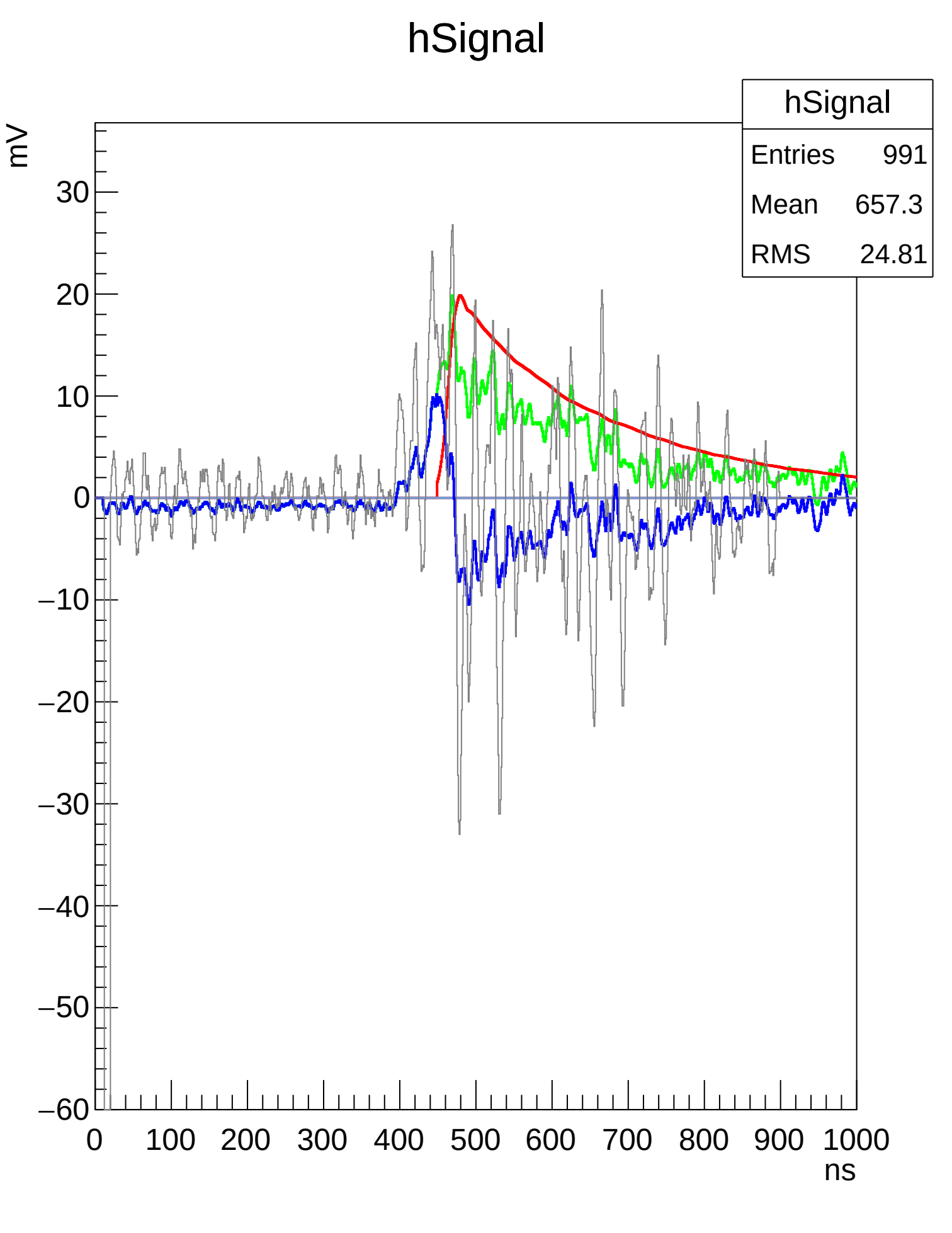
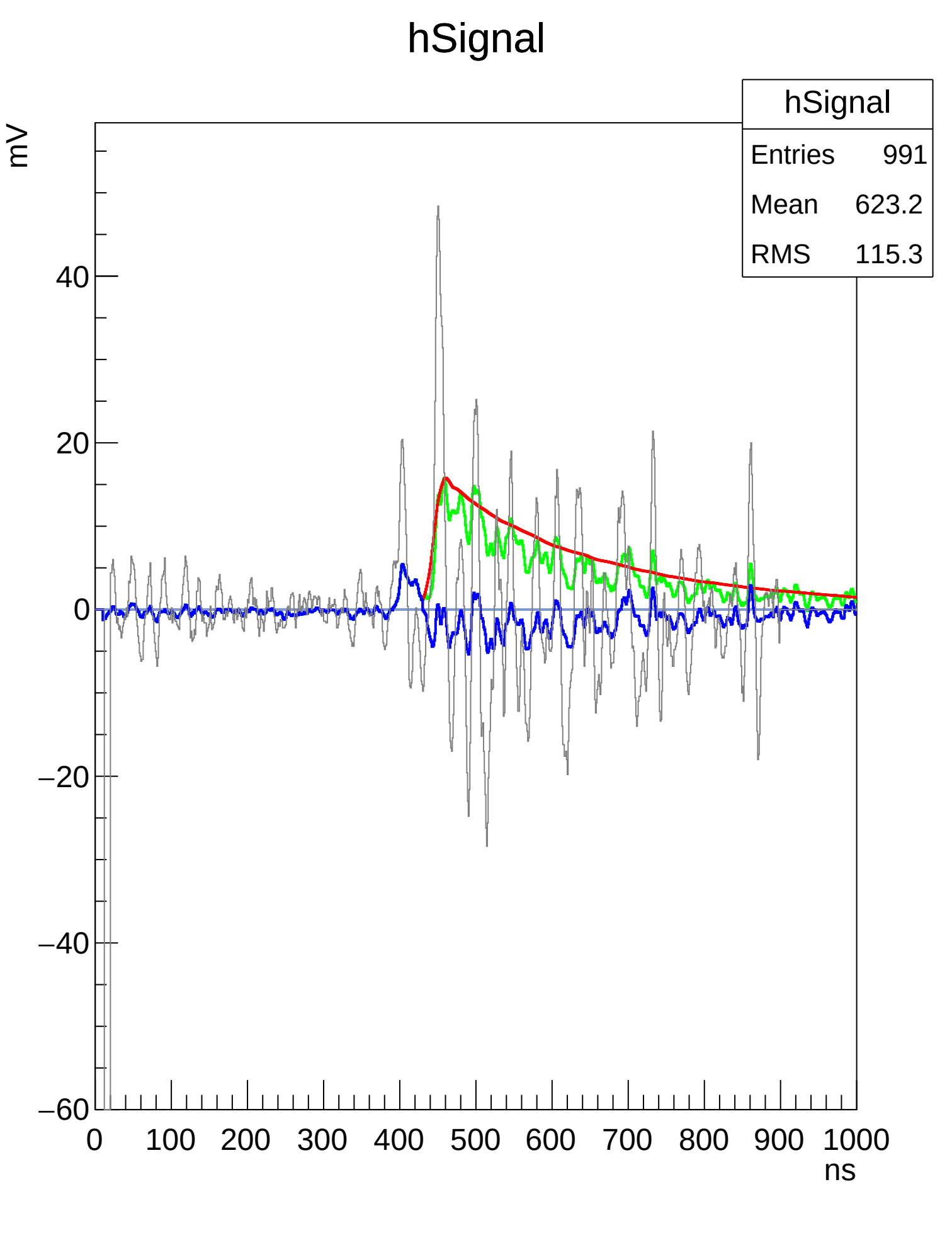
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 657.3
RMS 24.81
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.2
RMS 115.3
mV
40
20
0
−20
−40
−60
0
100
200
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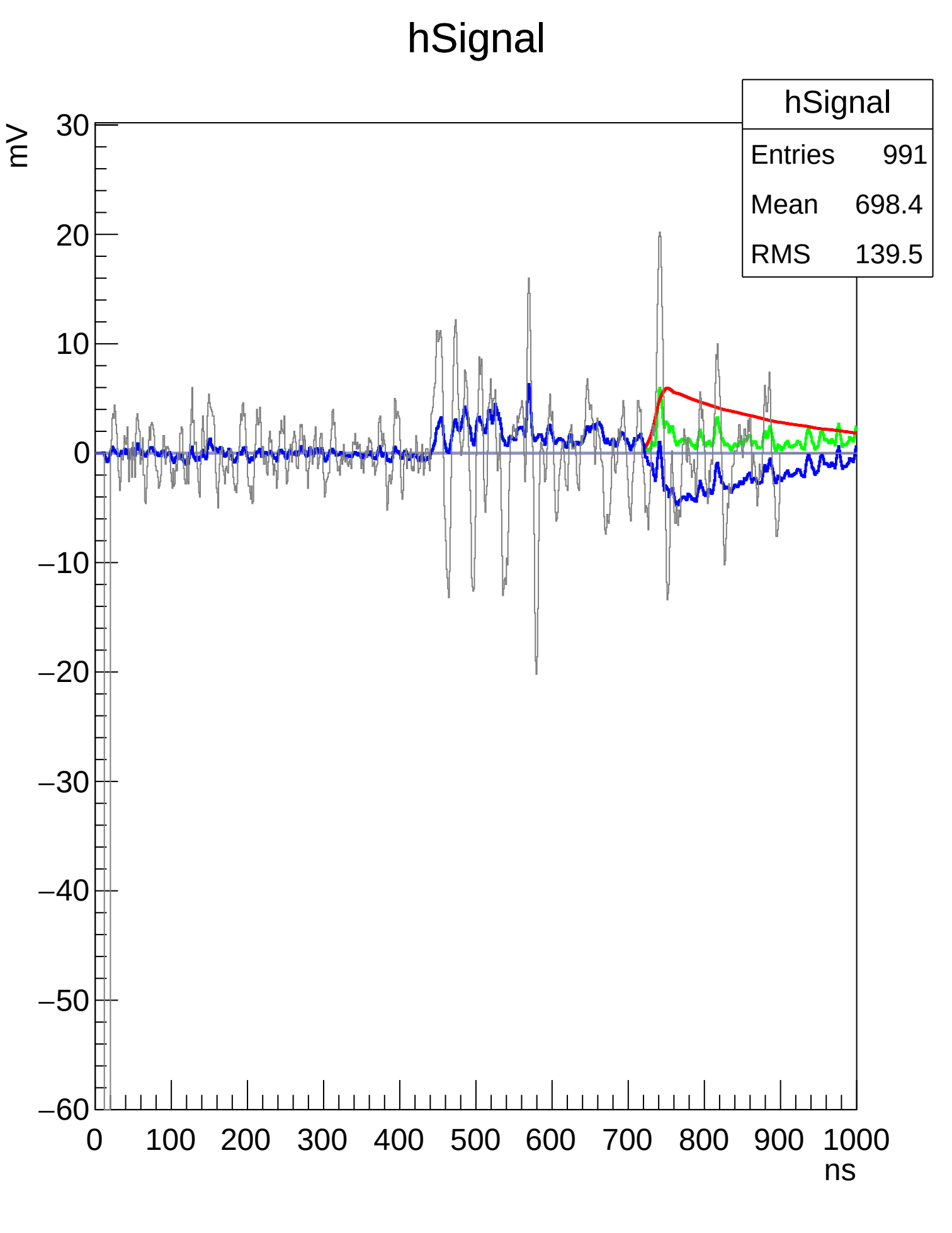
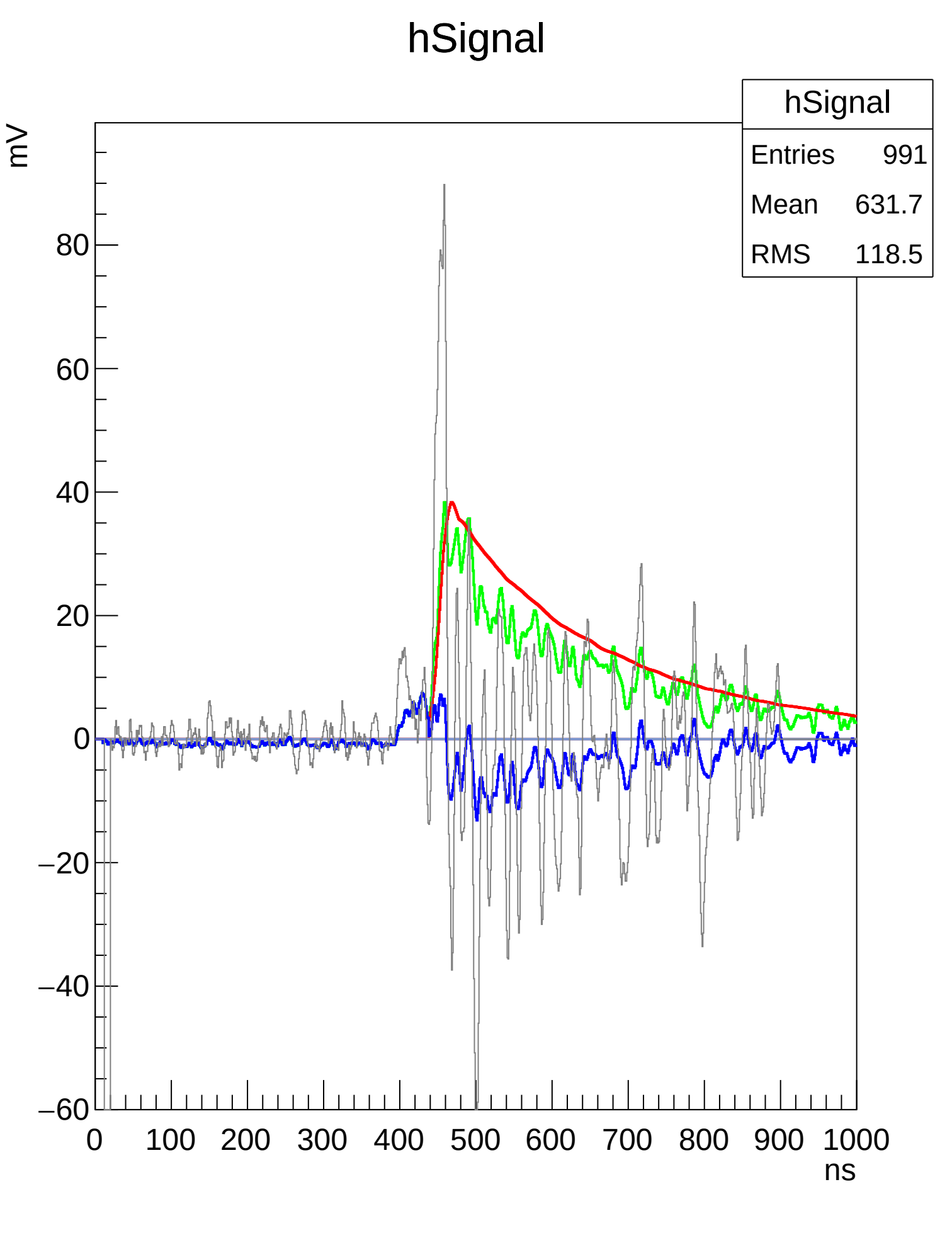
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 698.4
RMS 139.5
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 631.7
RMS 118.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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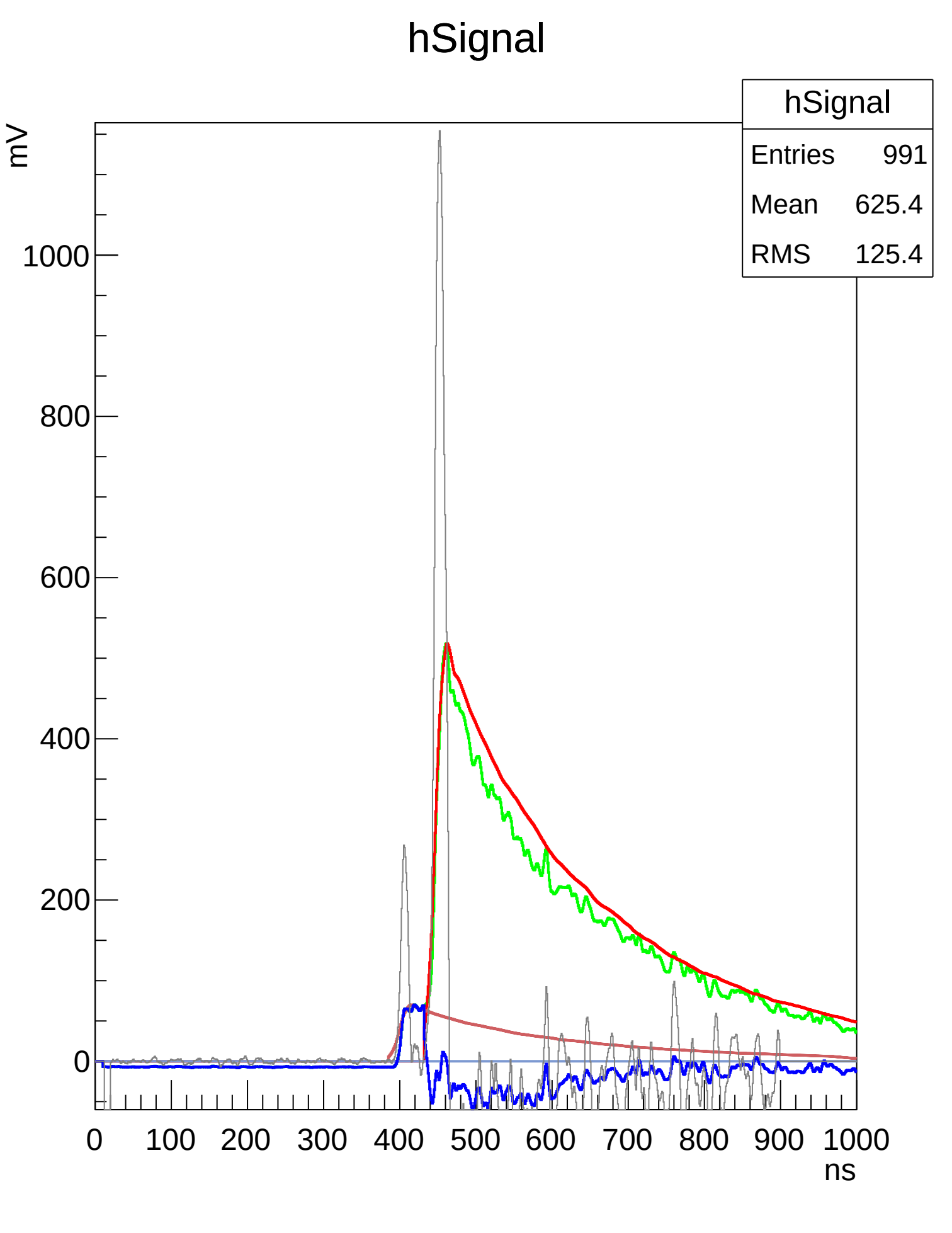
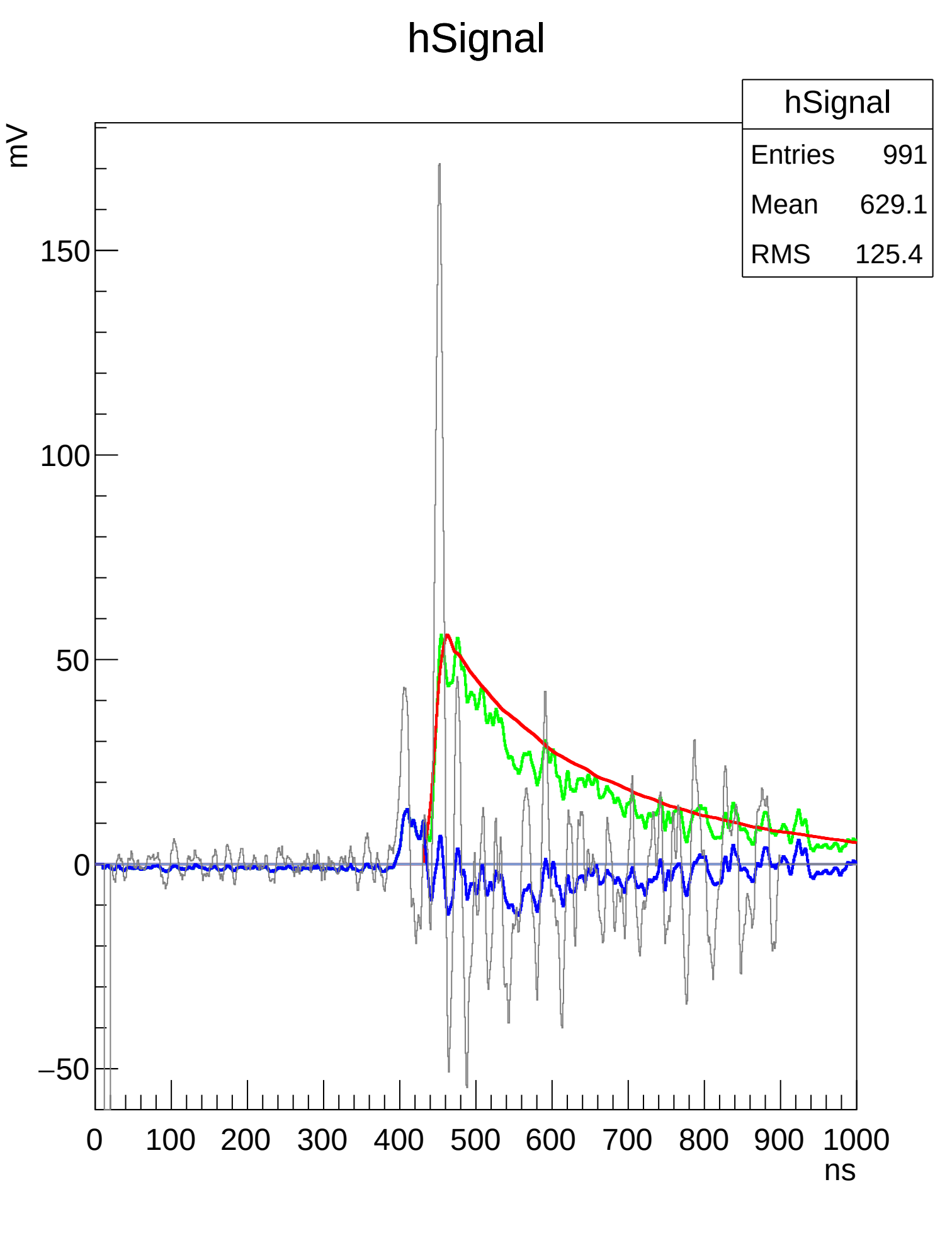
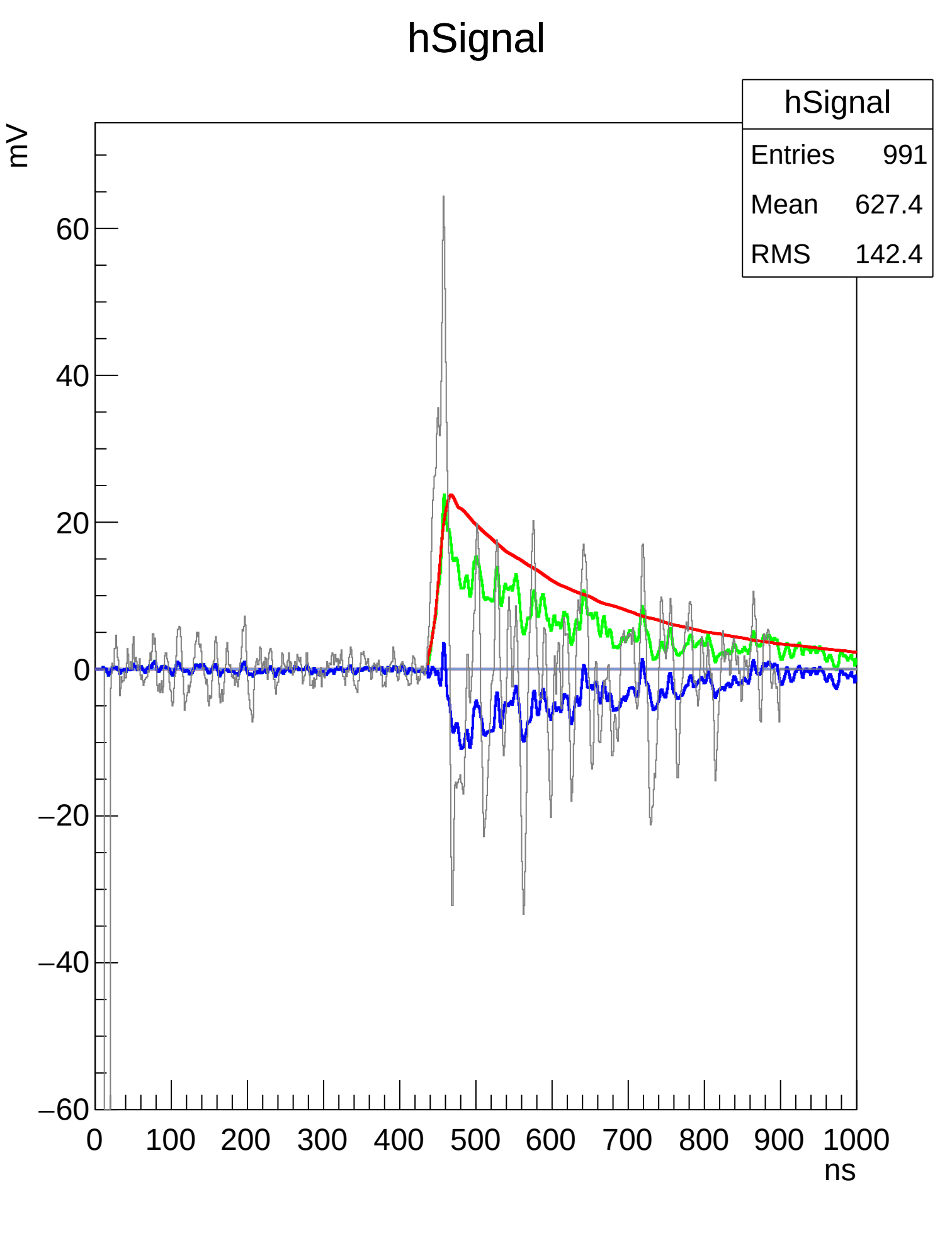
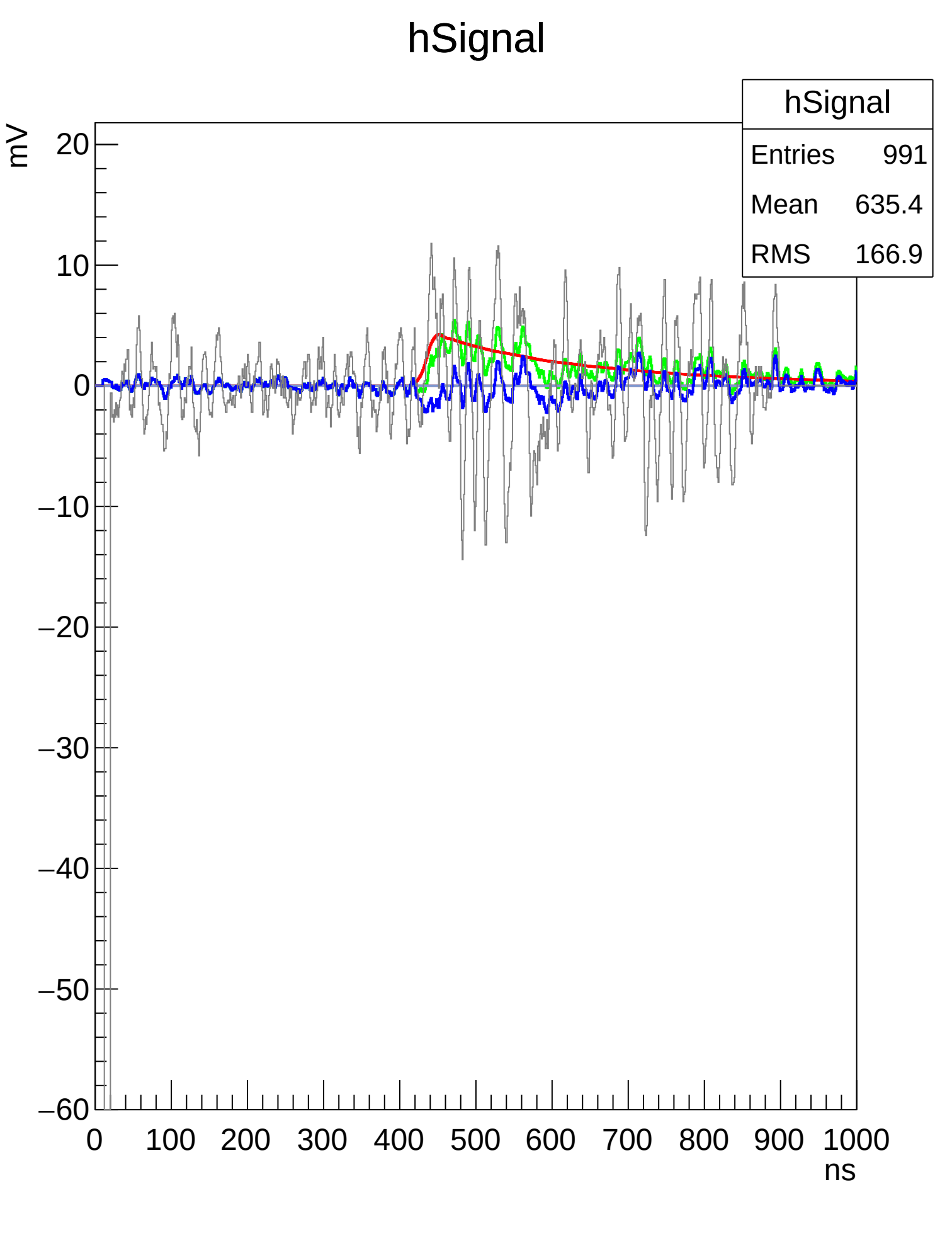
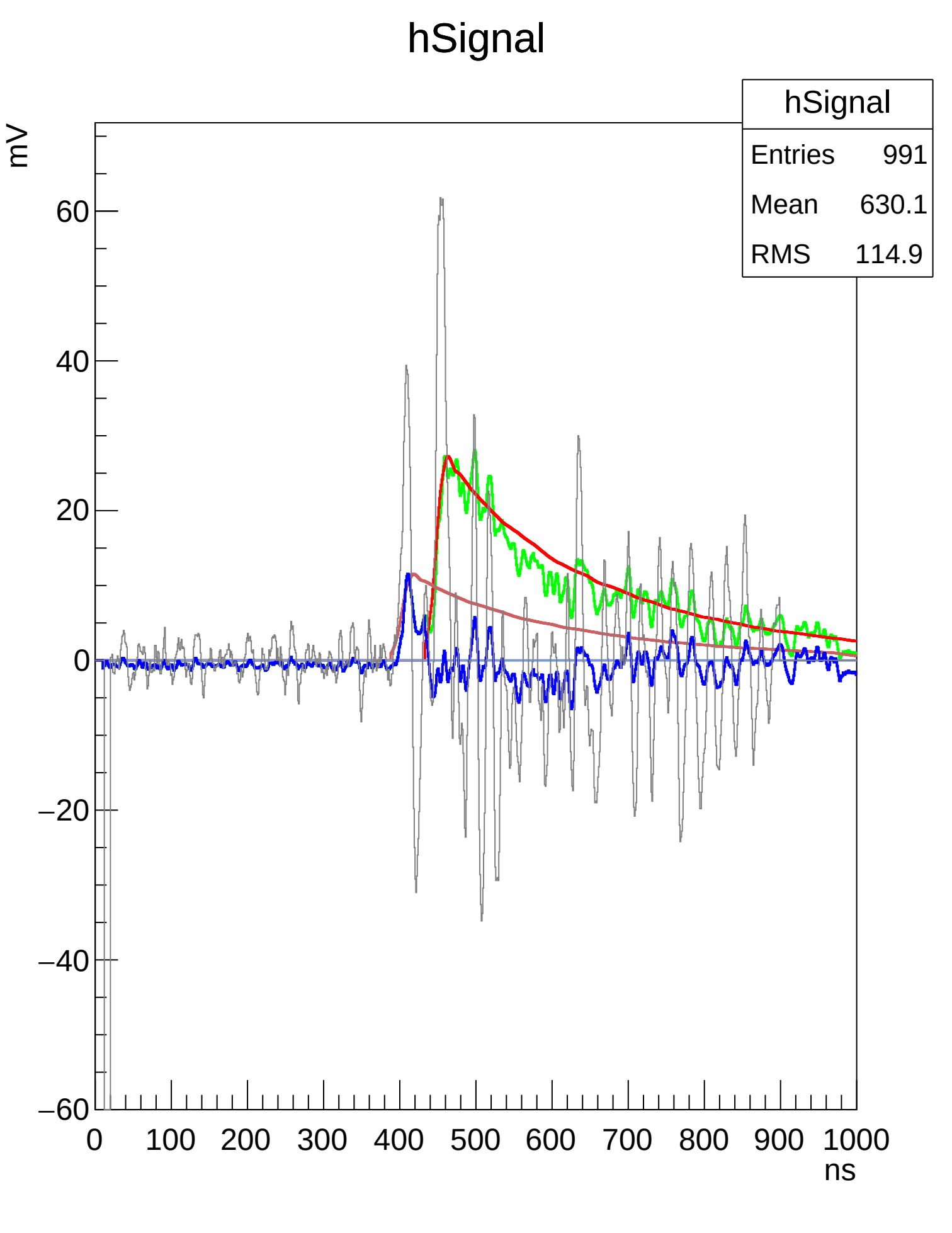
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 625.4
RMS 125.4
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 629.1
RMS 125.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 627.4
RMS 142.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 635.4
RMS 166.9
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 630.1
RMS 114.9
mV
60
40
20
0
−20
−40
−60
0
100
200
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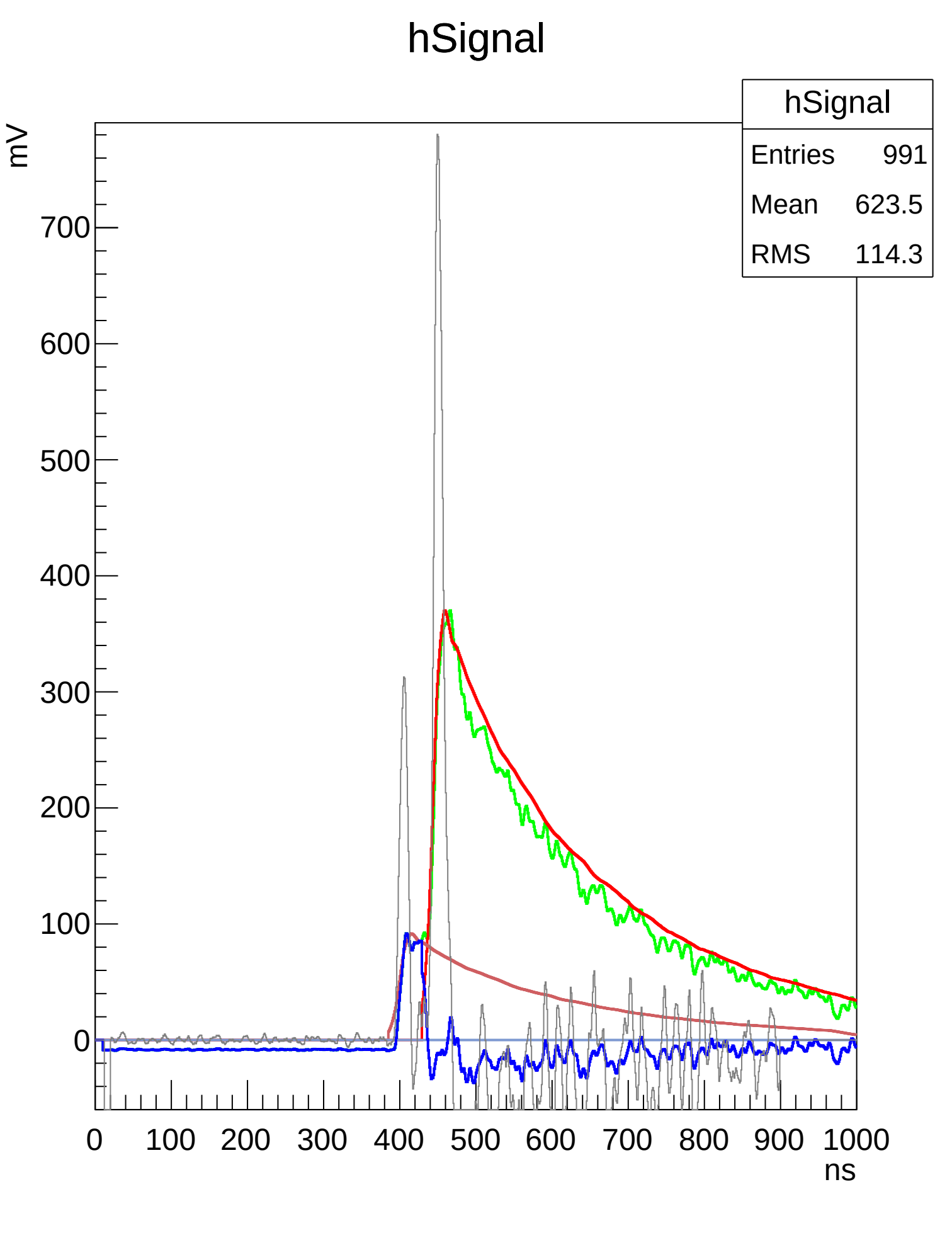
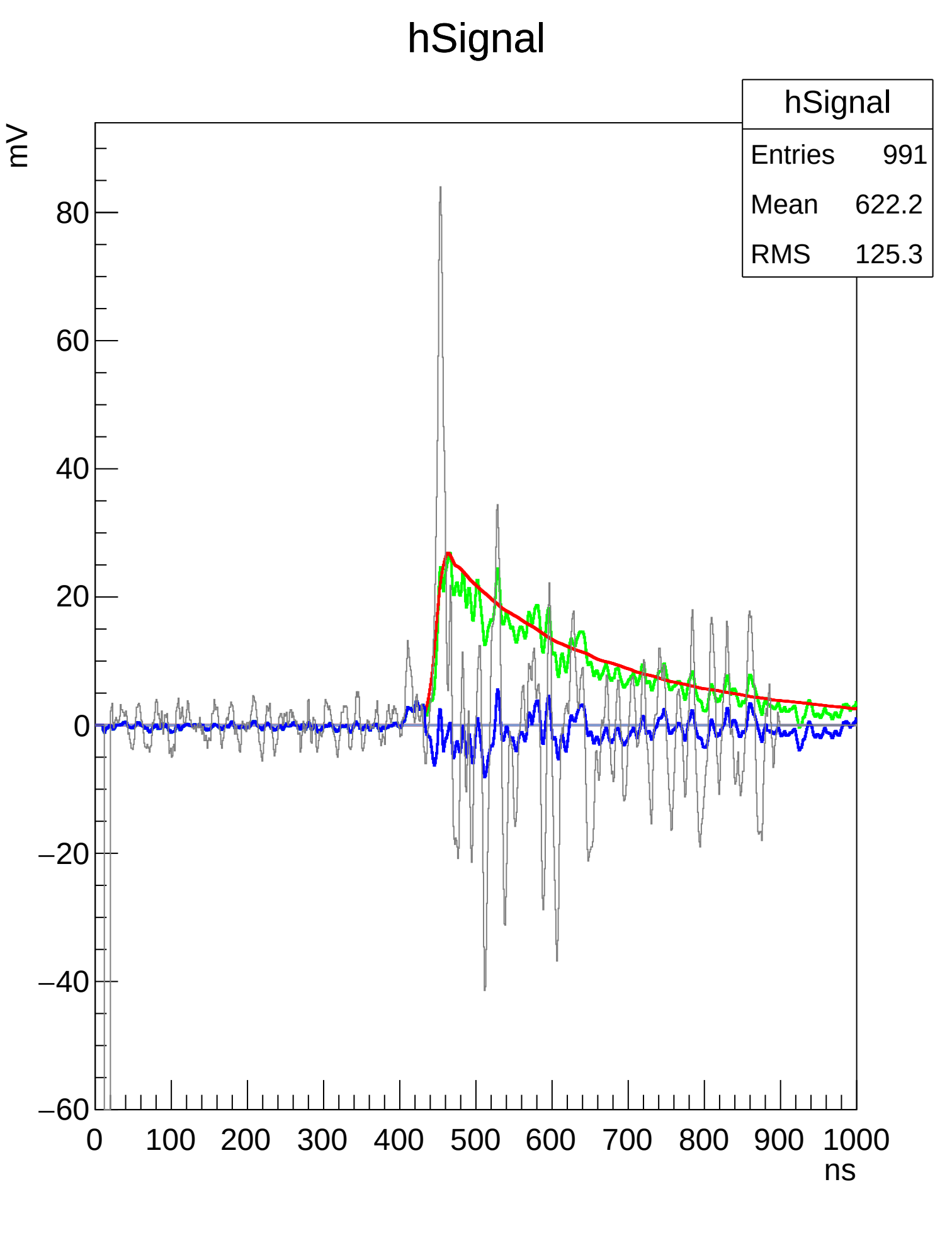
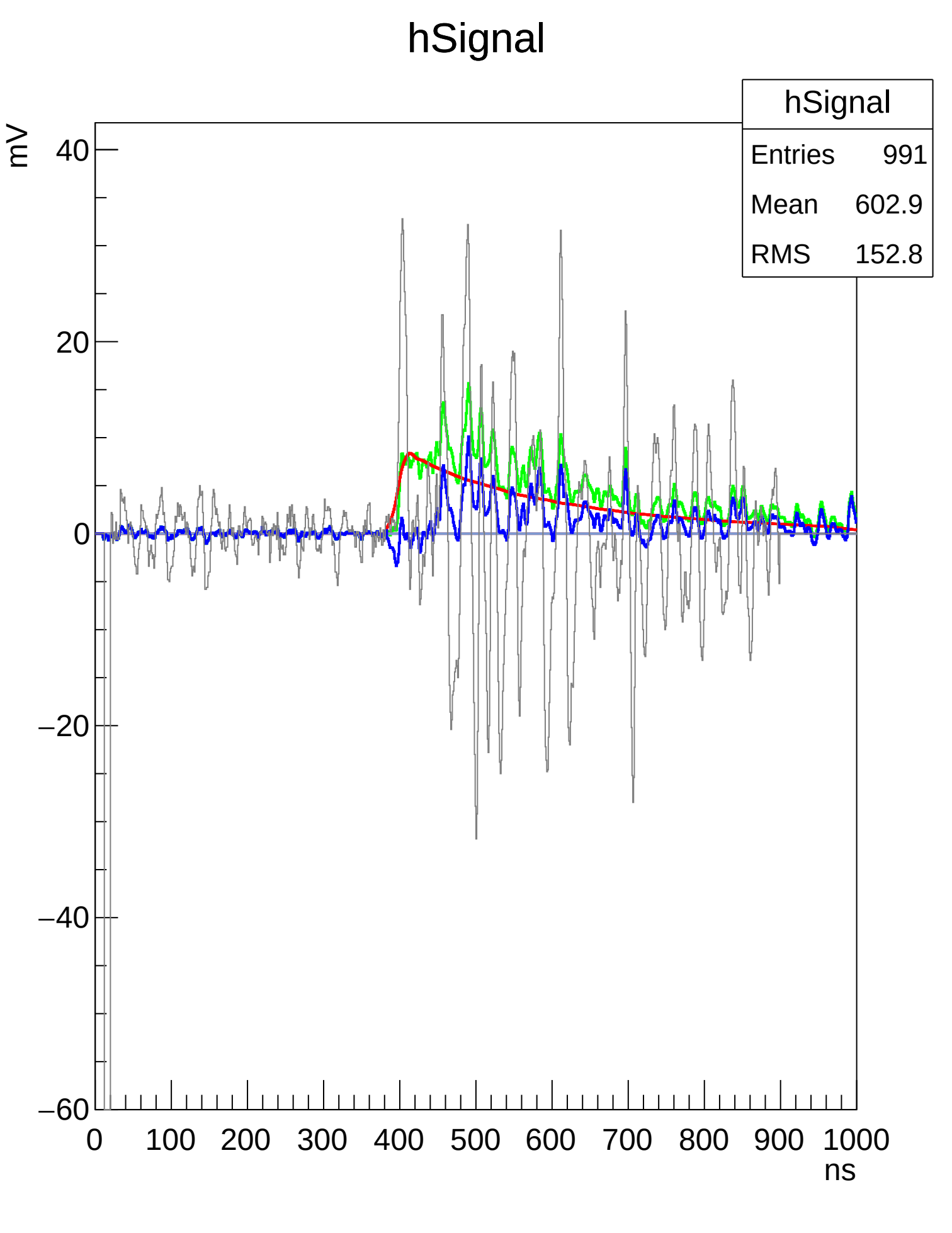
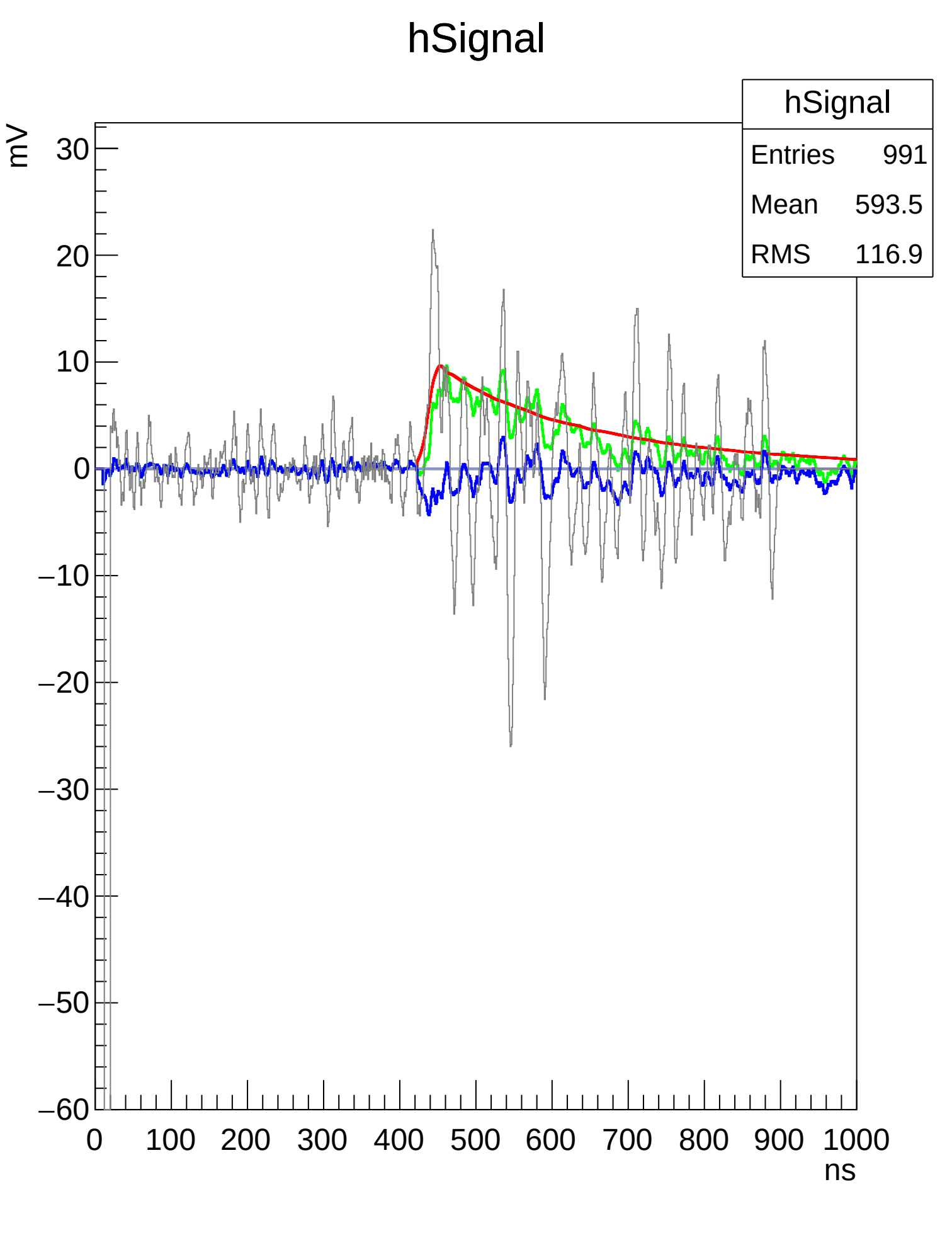
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.5
RMS 114.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 622.2
RMS 125.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 602.9
RMS 152.8
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.5
RMS 116.9
mV
30
20
10
0
−10
−20
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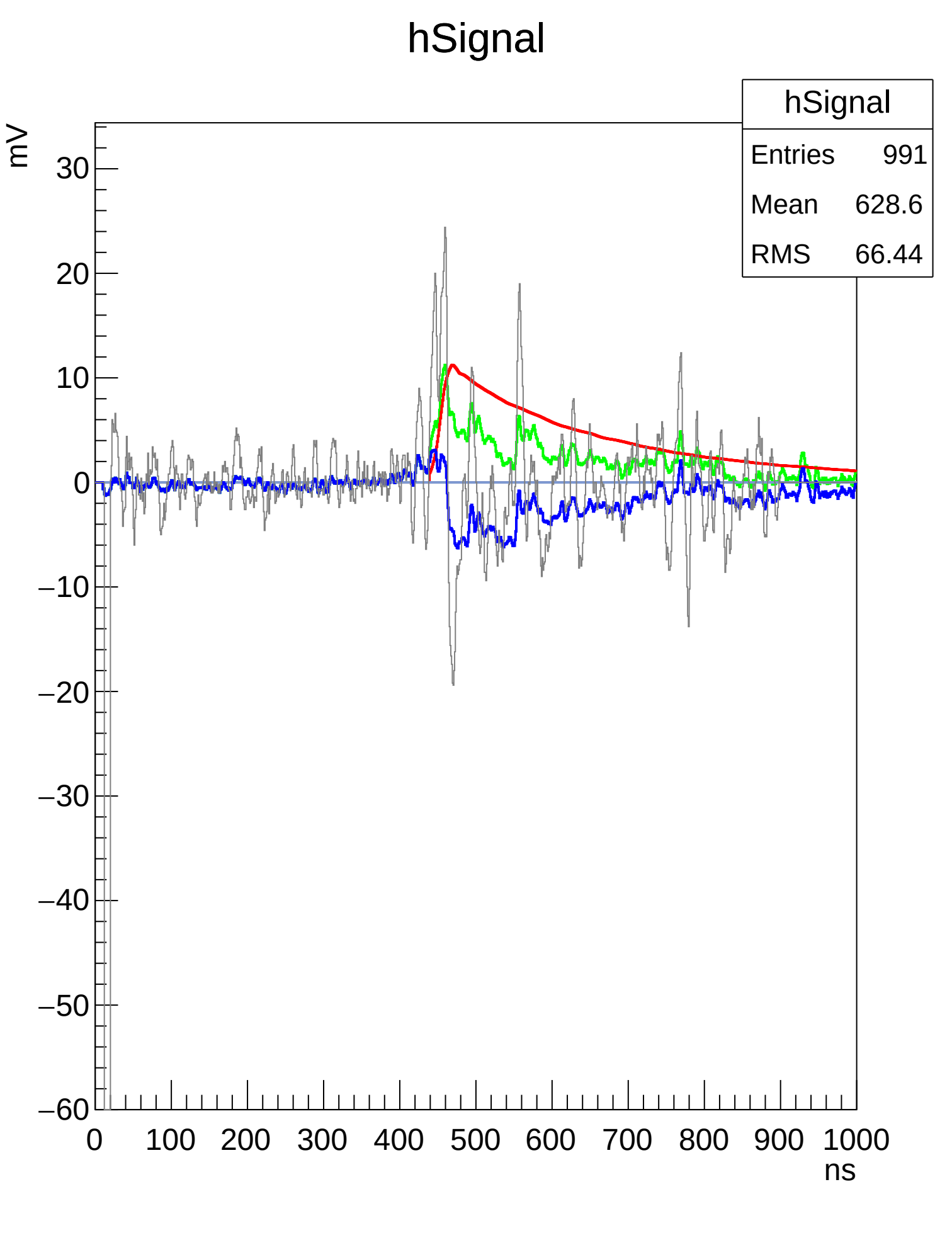
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 628.6
RMS 66.44
mV
30
20
10
0
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−20
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−40
−50
−60
0
100
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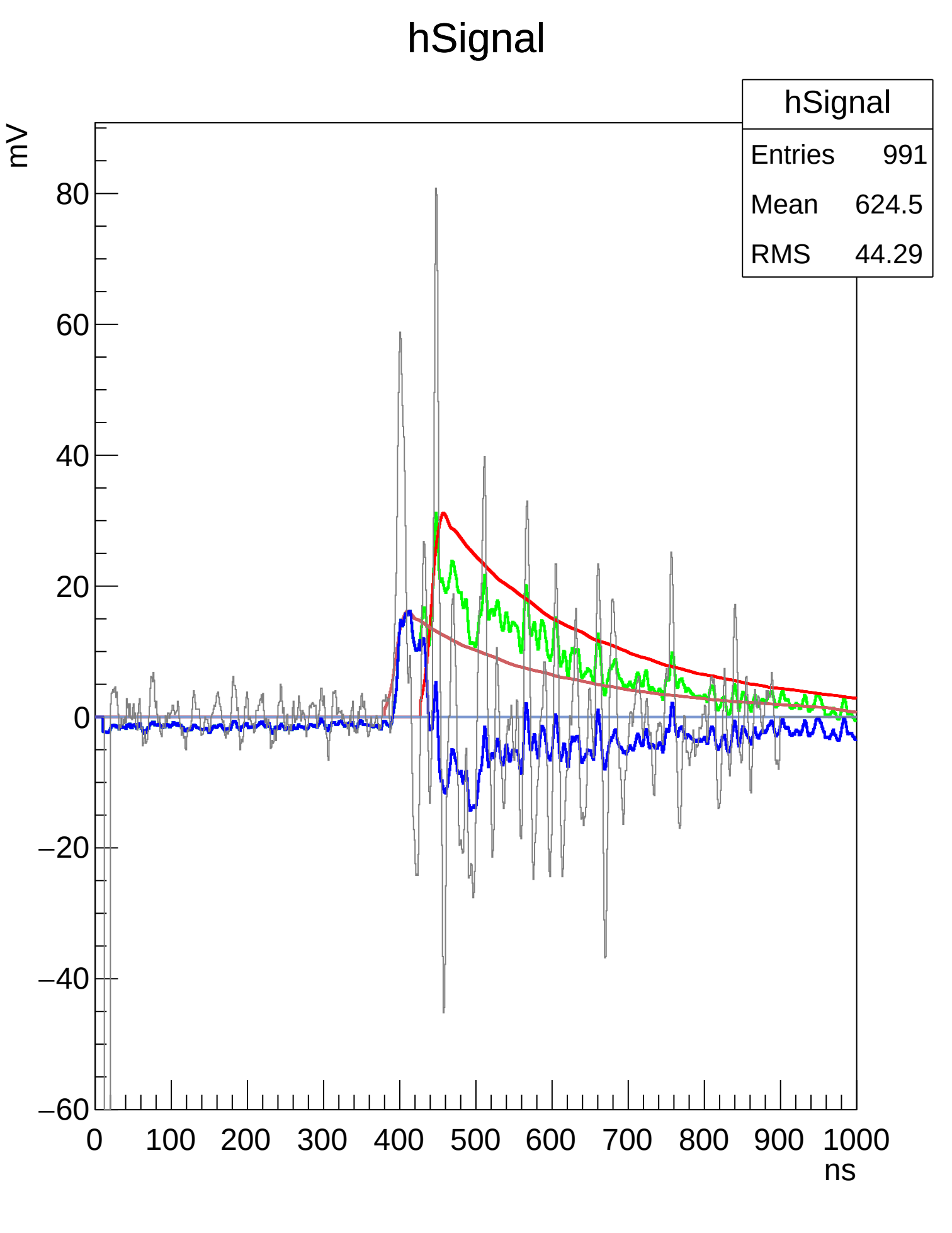
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 624.5
RMS 44.29
mV
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−20
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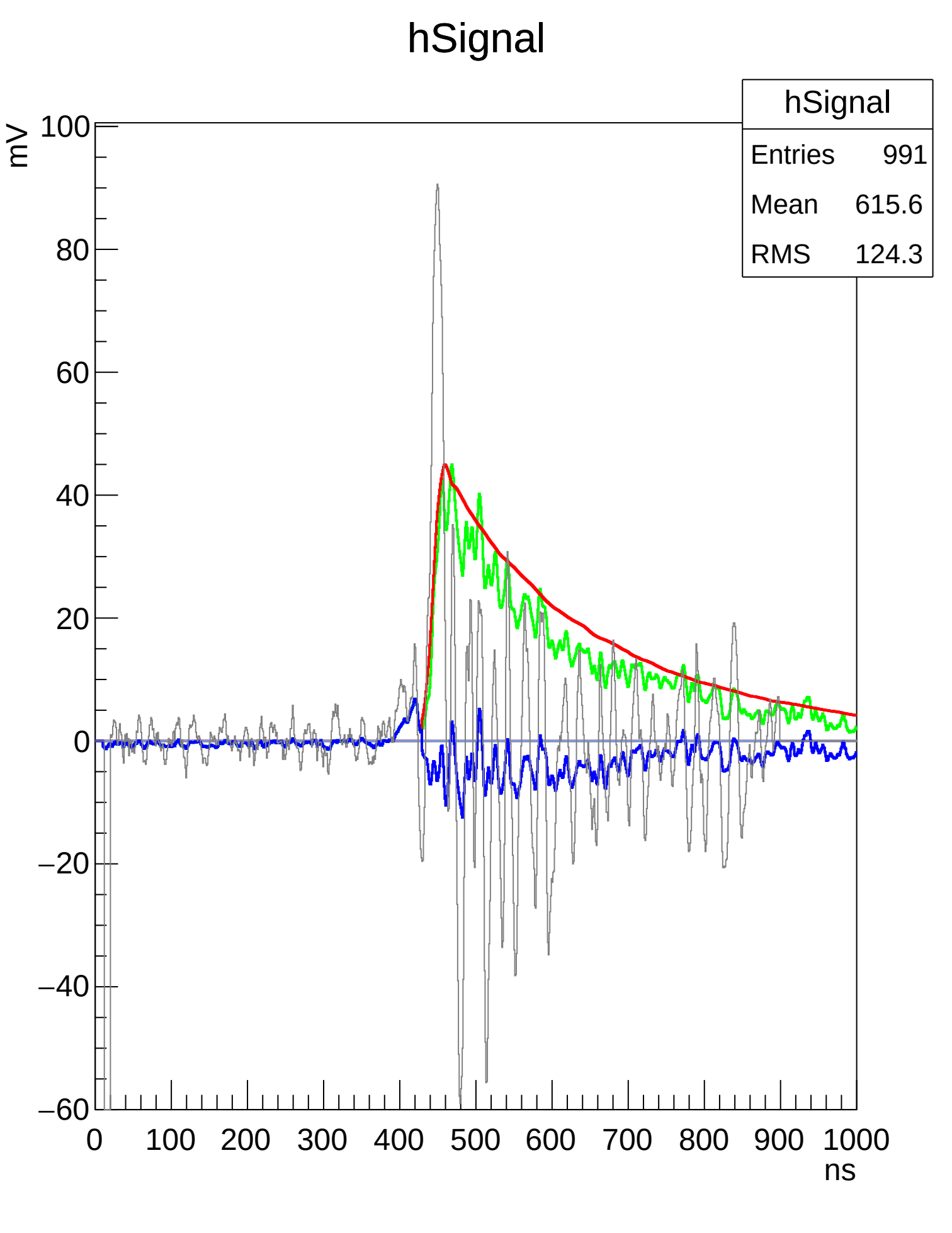
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 615.6
RMS 124.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
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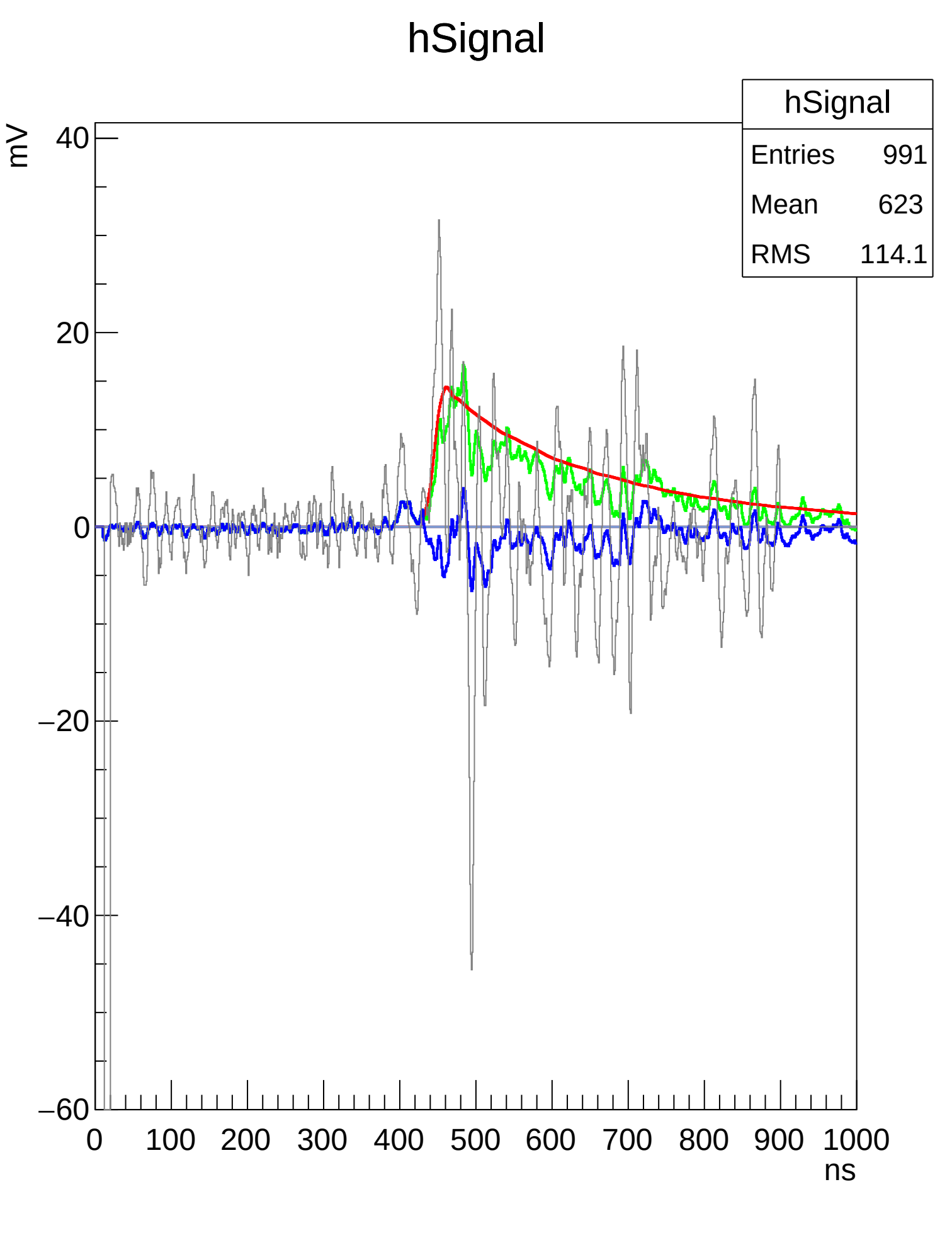
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623
RMS 114.1
mV
40
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−20
−40
−60
0
100
200
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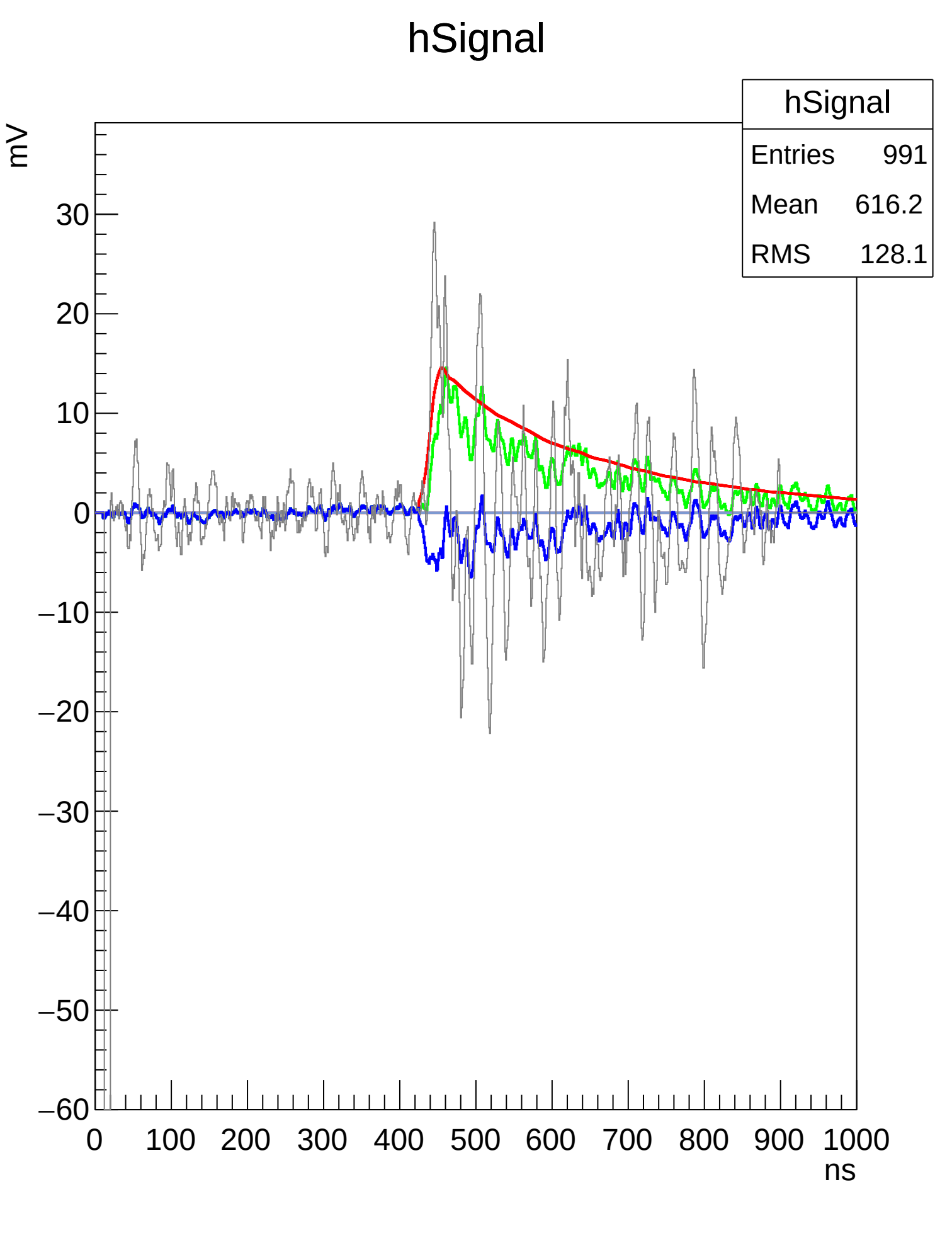
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.2
RMS 128.1
mV
30
20
10
0
−10
−20
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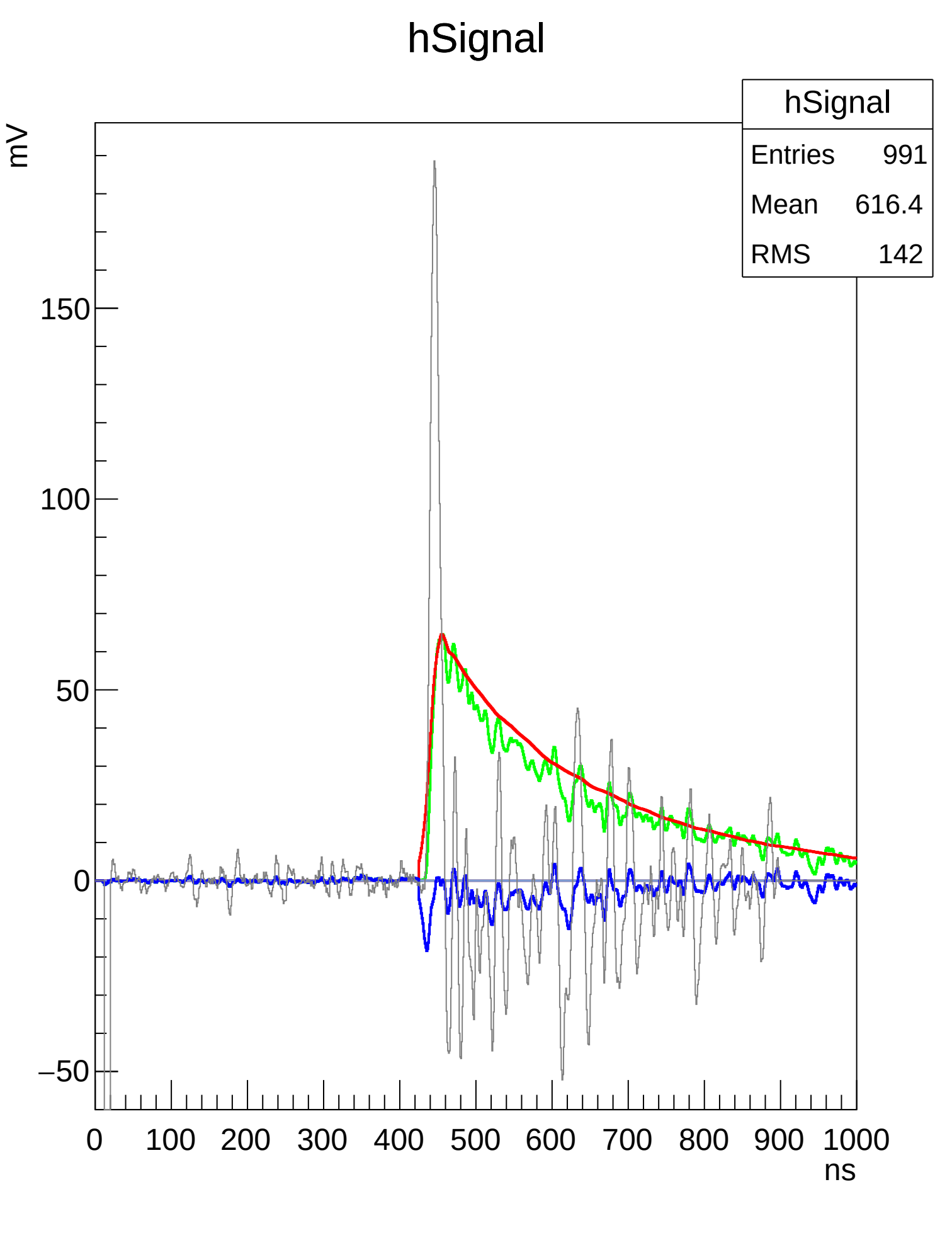
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 616.4
RMS 142
mV
150
100
50
0
−50
0
100
200
300
400
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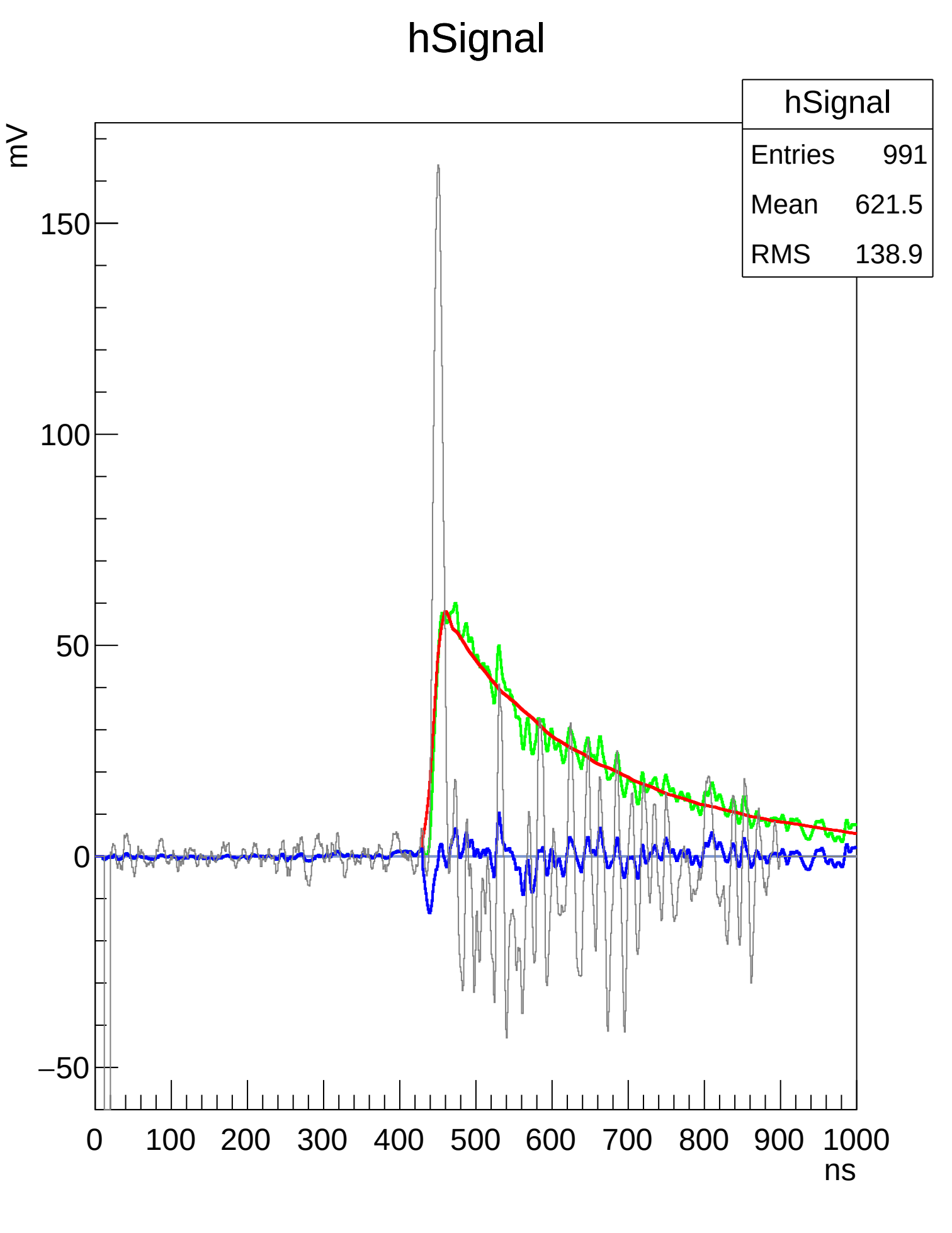
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 621.5
RMS 138.9
mV
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100
50
0
−50
0
100
200
300
400
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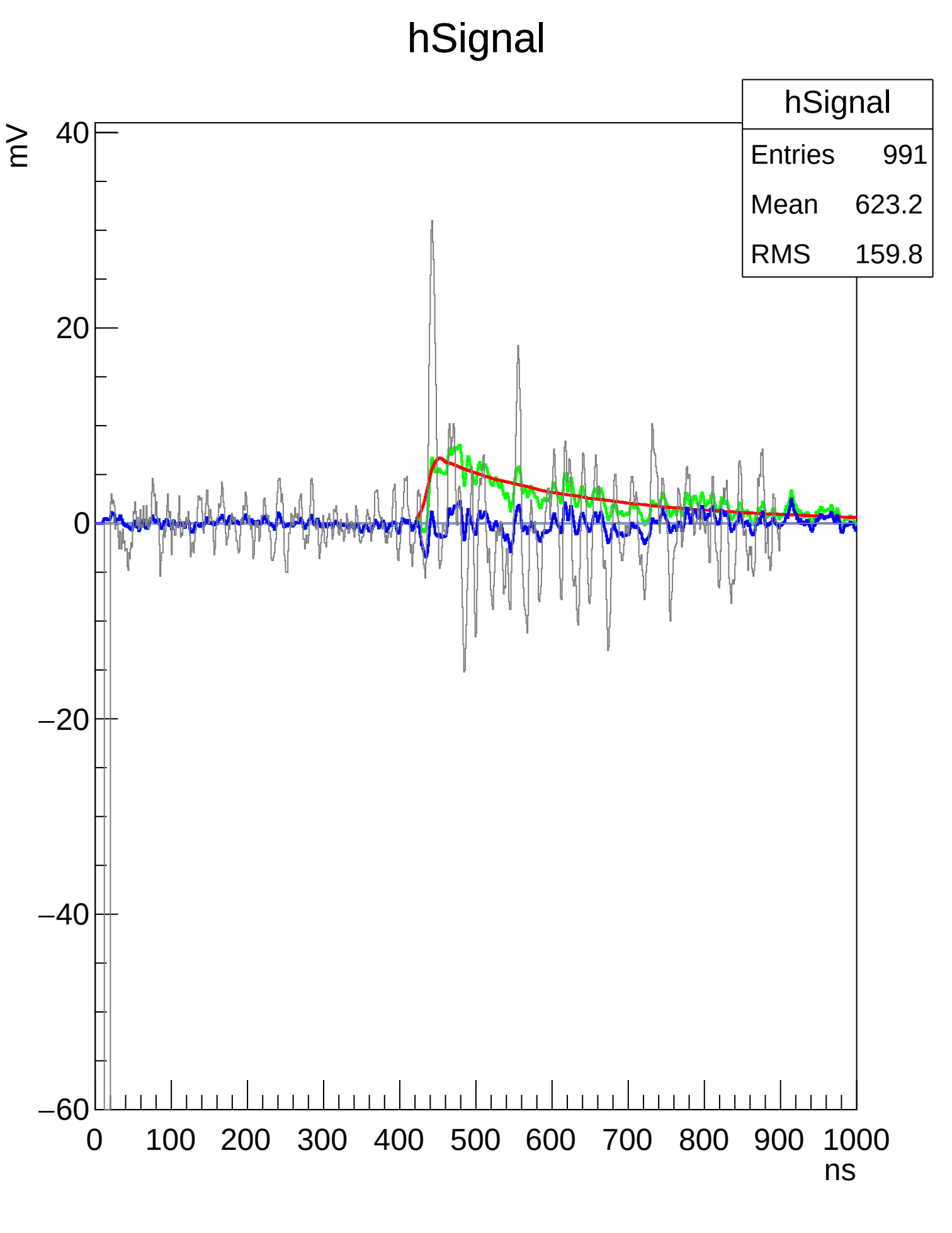
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 623.2
RMS 159.8
mV
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20
0
−20
−40
−60
0
100
200
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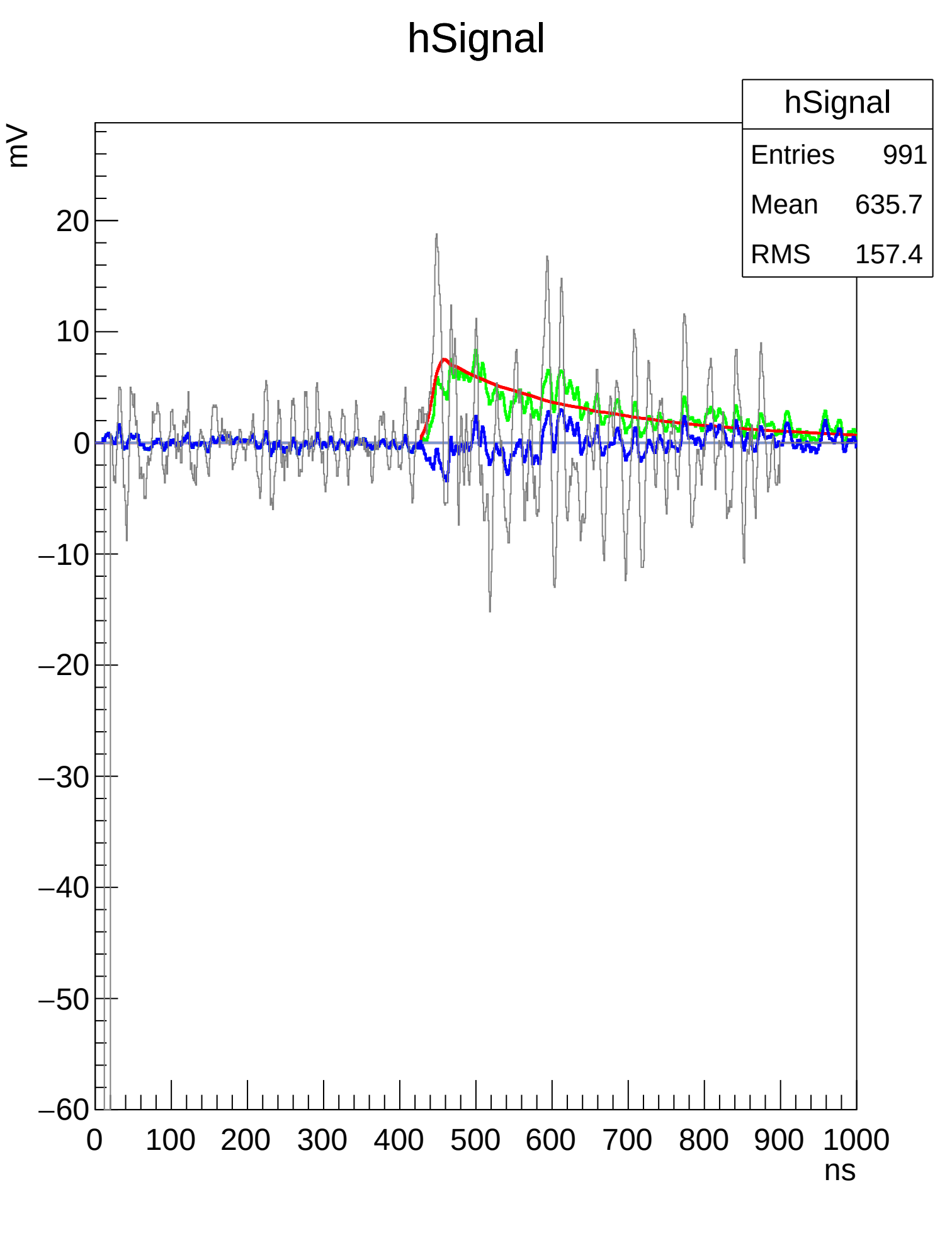
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 635.7
RMS 157.4
mV
20
10
0
−10
−20
−30
−40
−50
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100
200
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400
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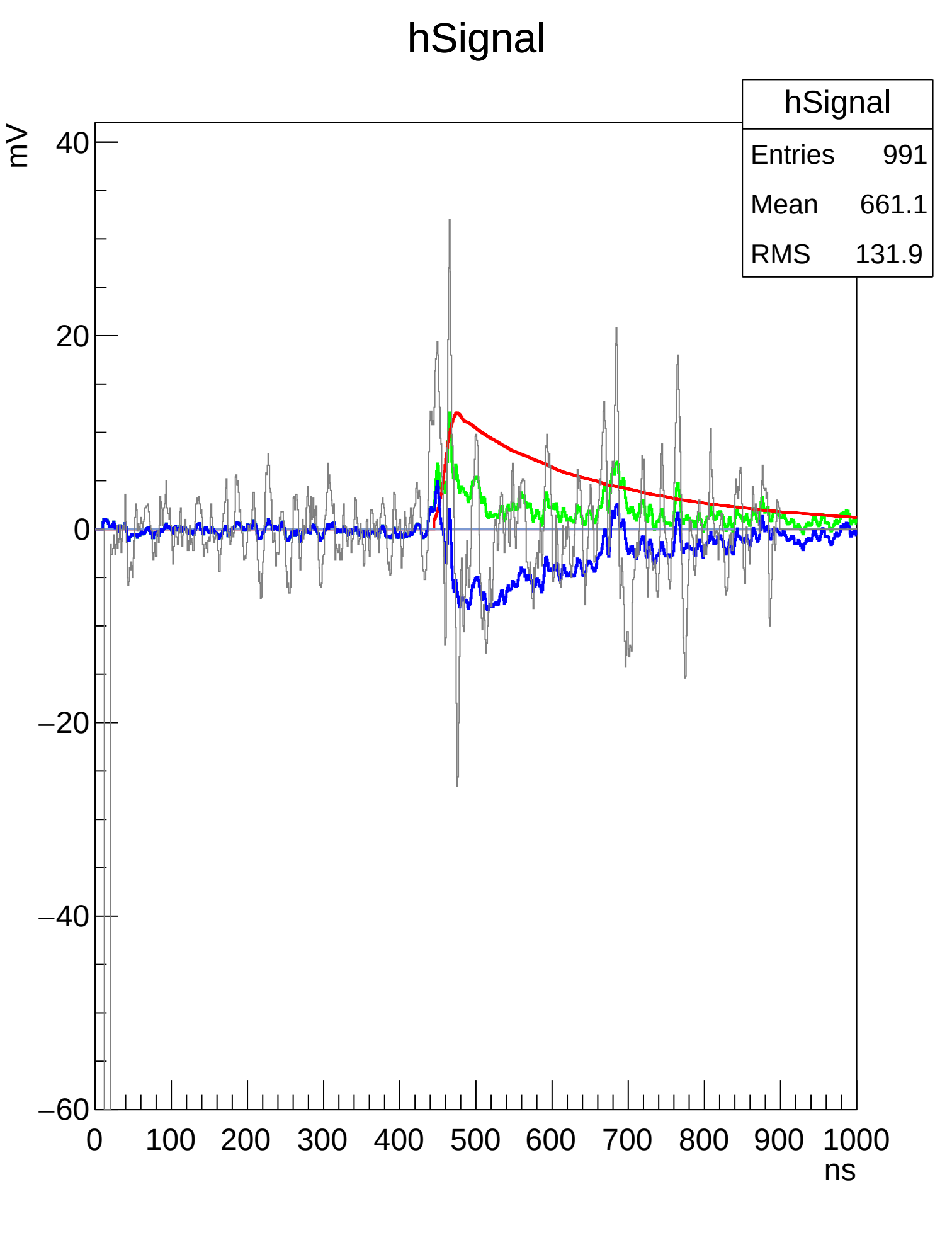
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 661.1
RMS 131.9
mV
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−20
−40
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0
100
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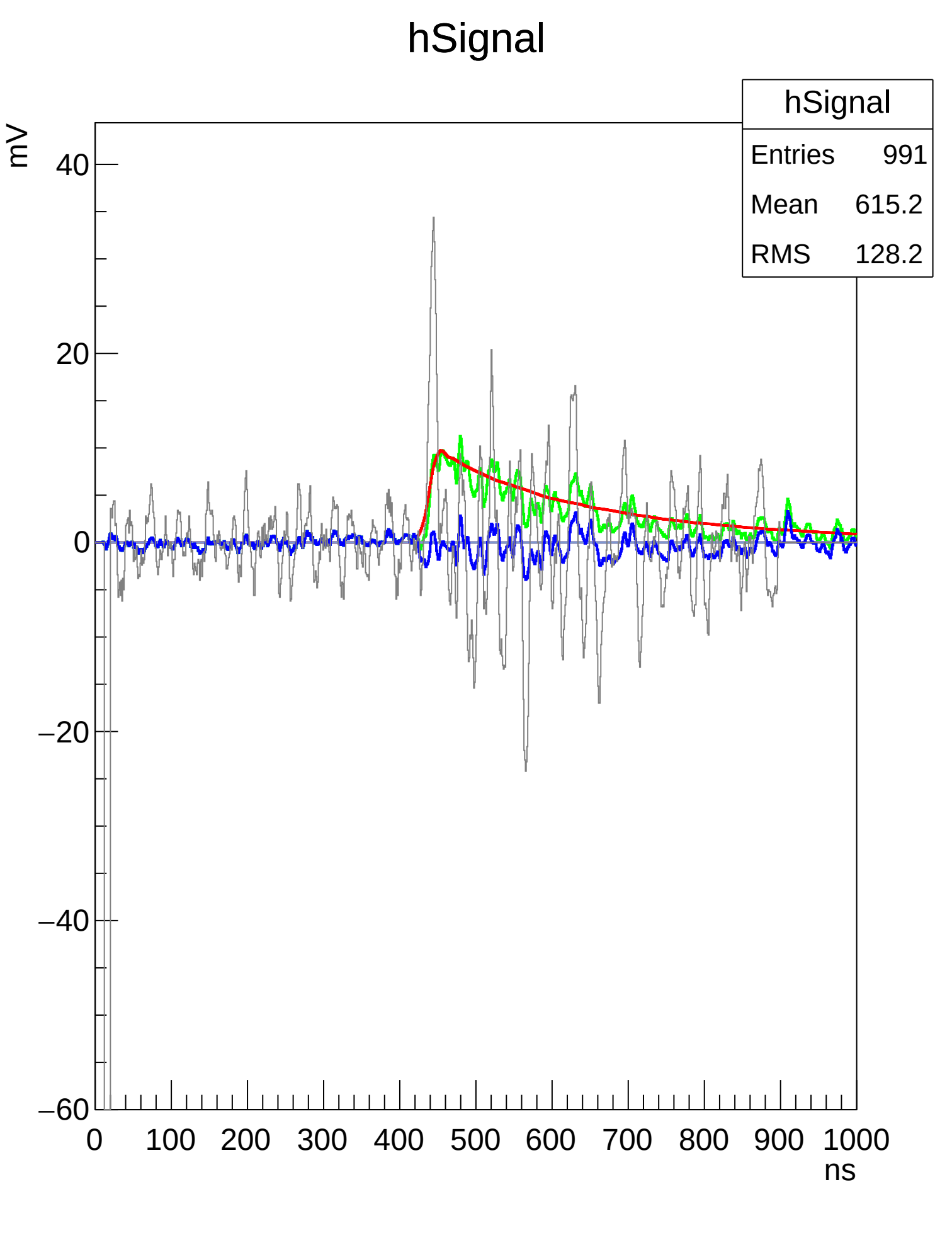
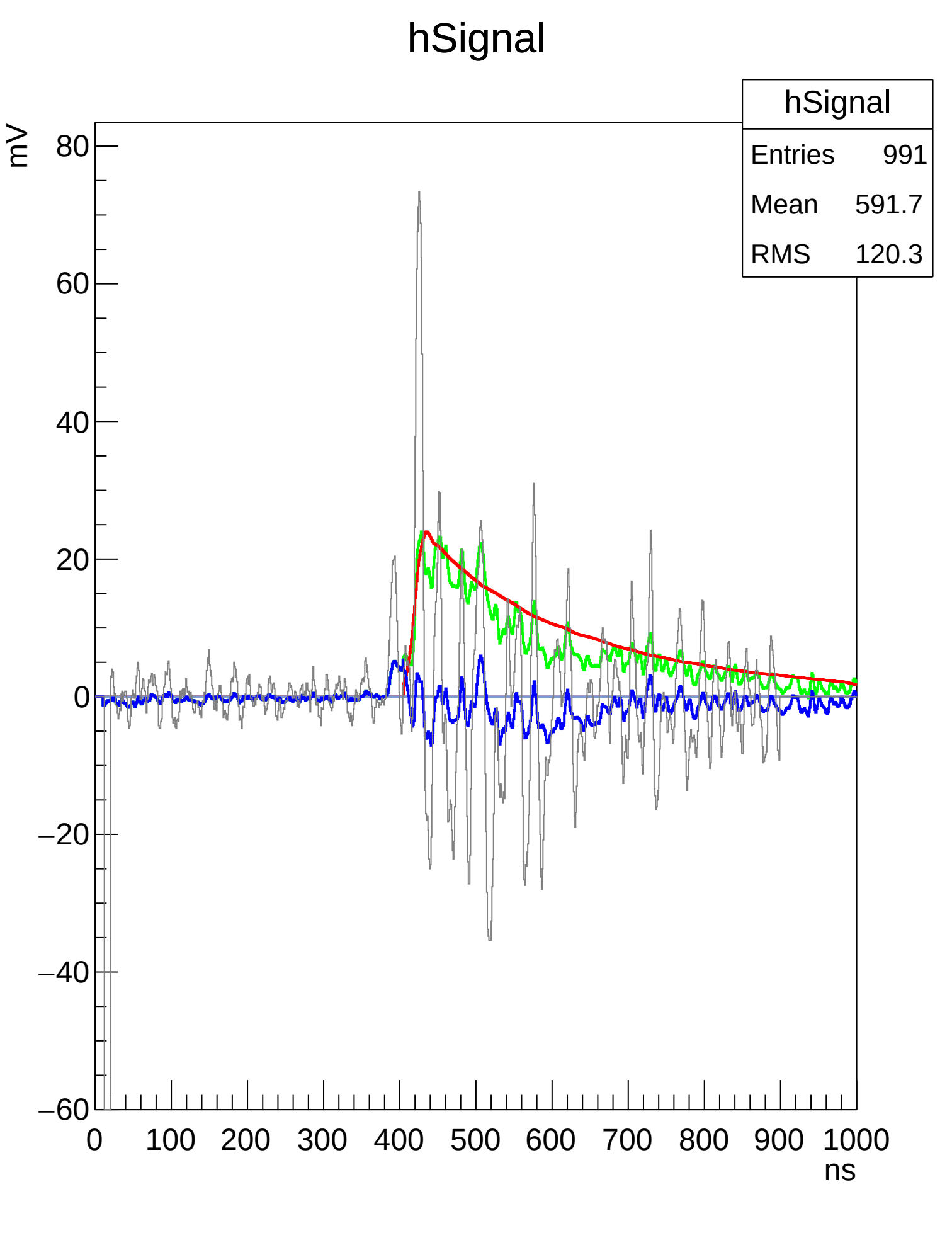
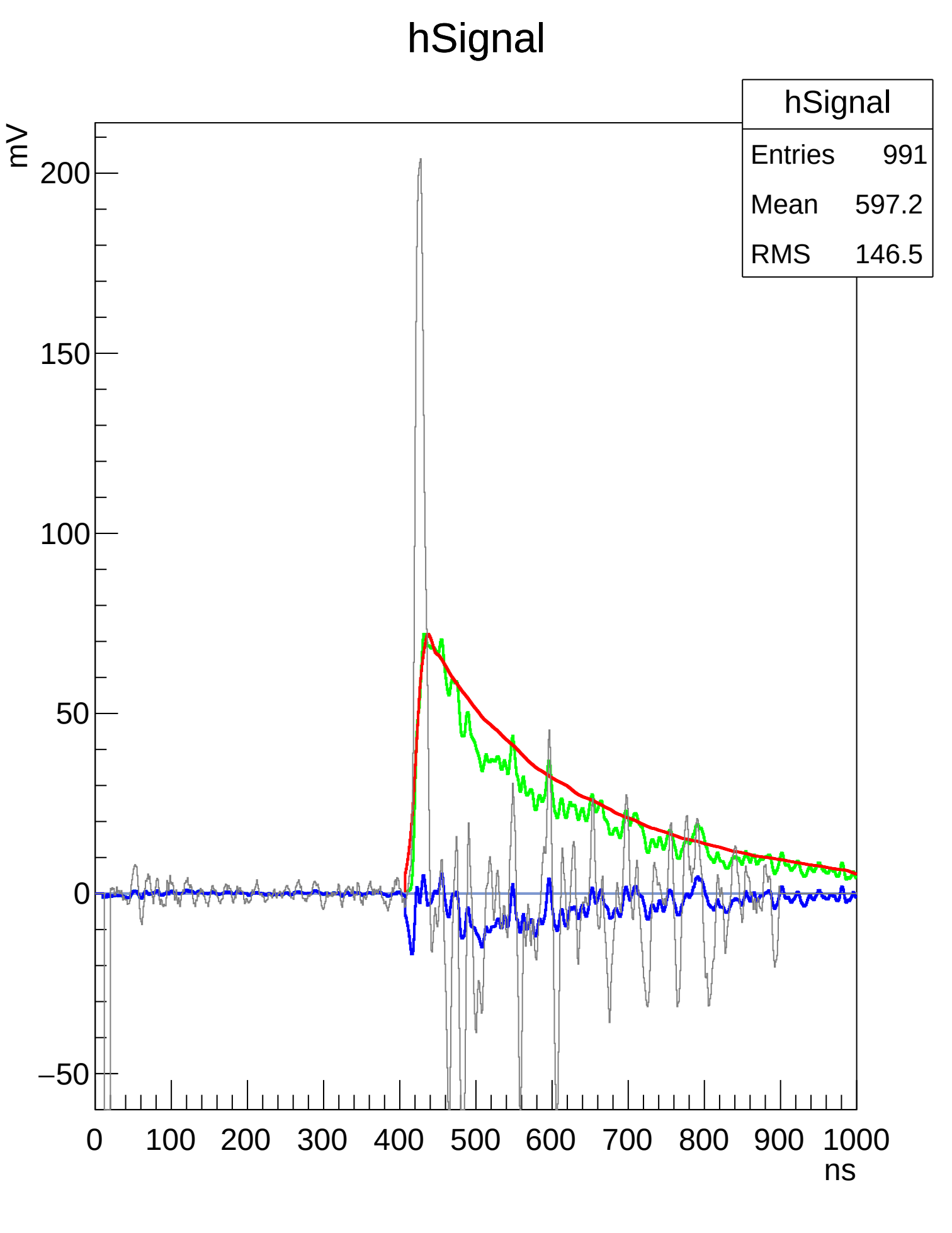
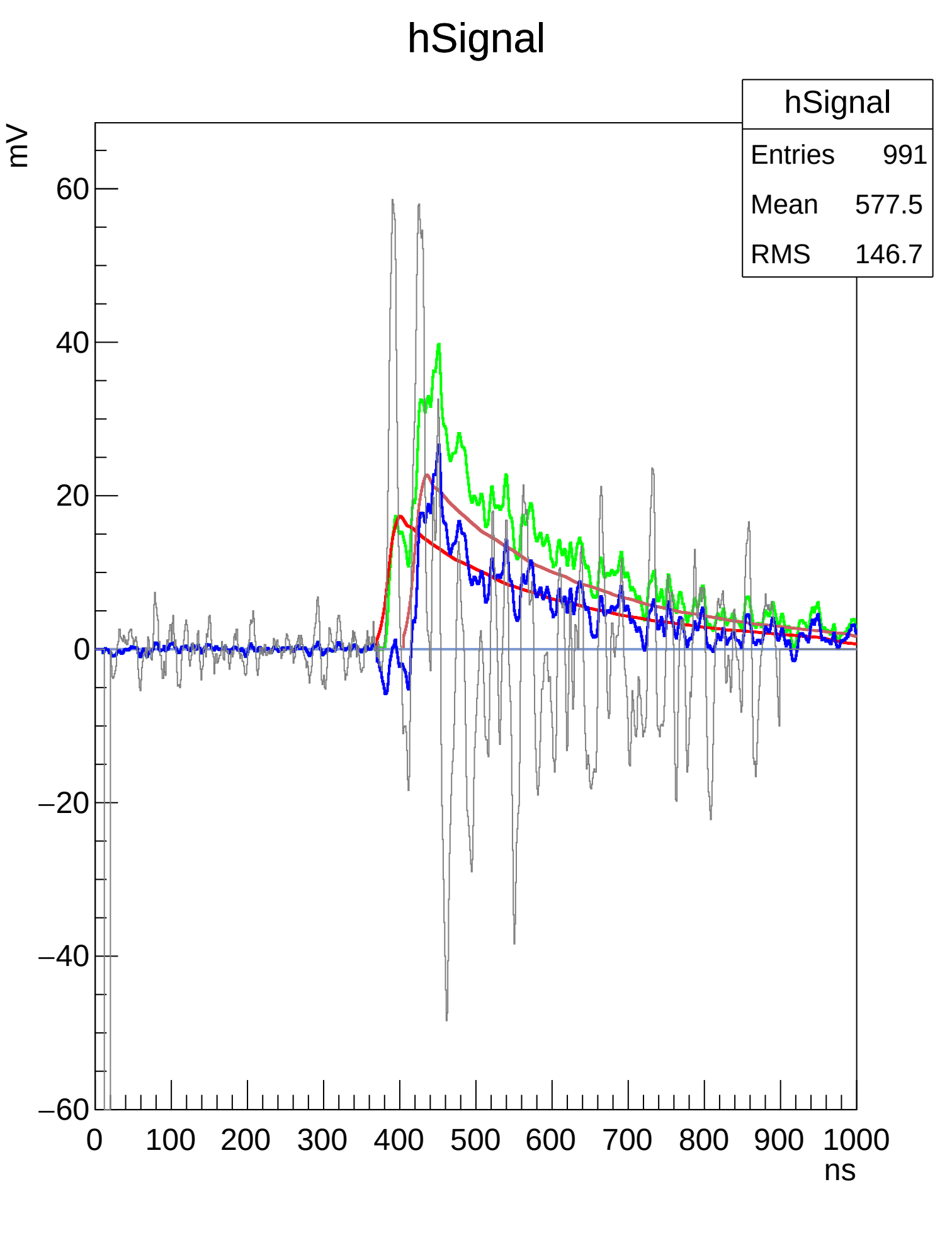
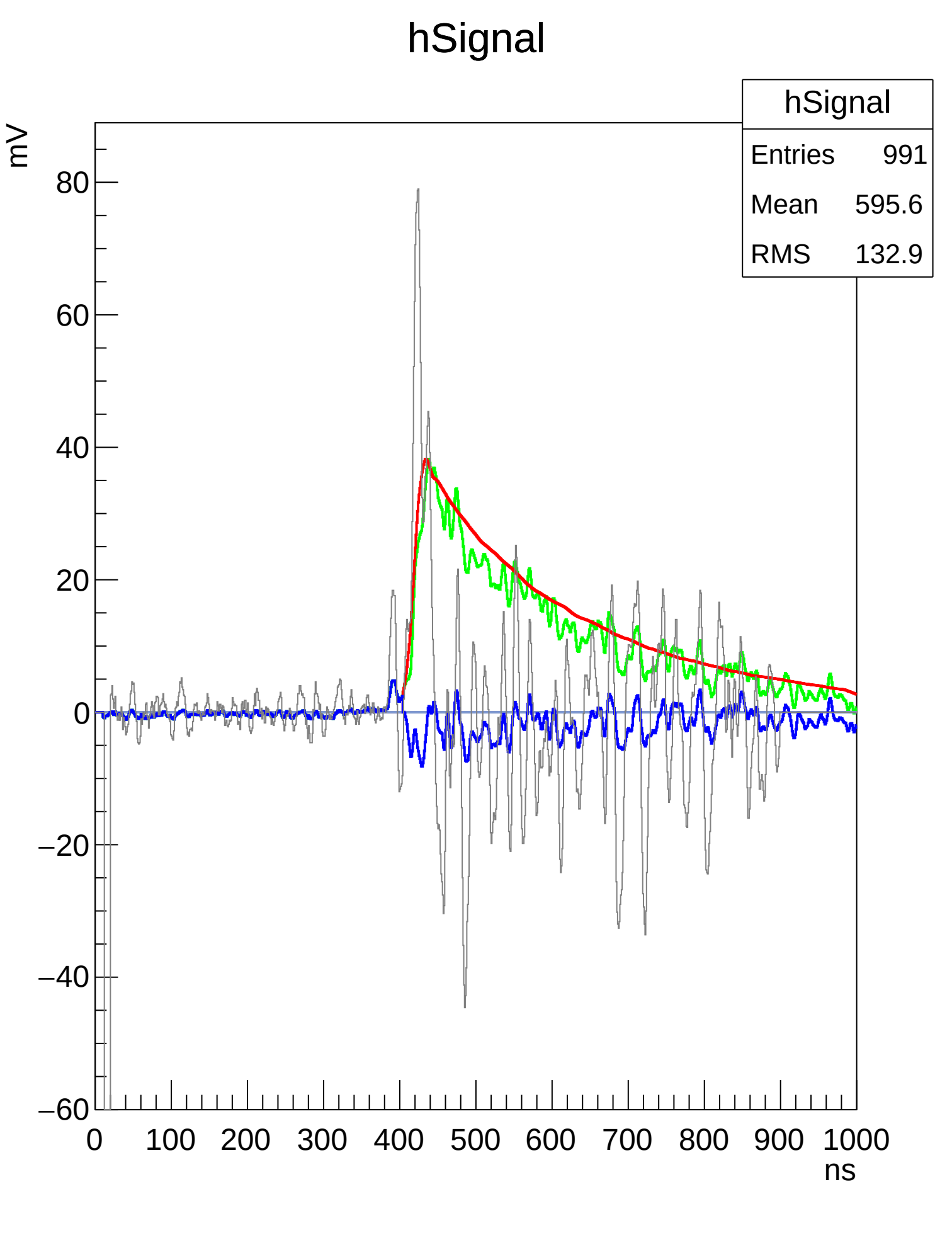
600
700
800
900
1000
ns

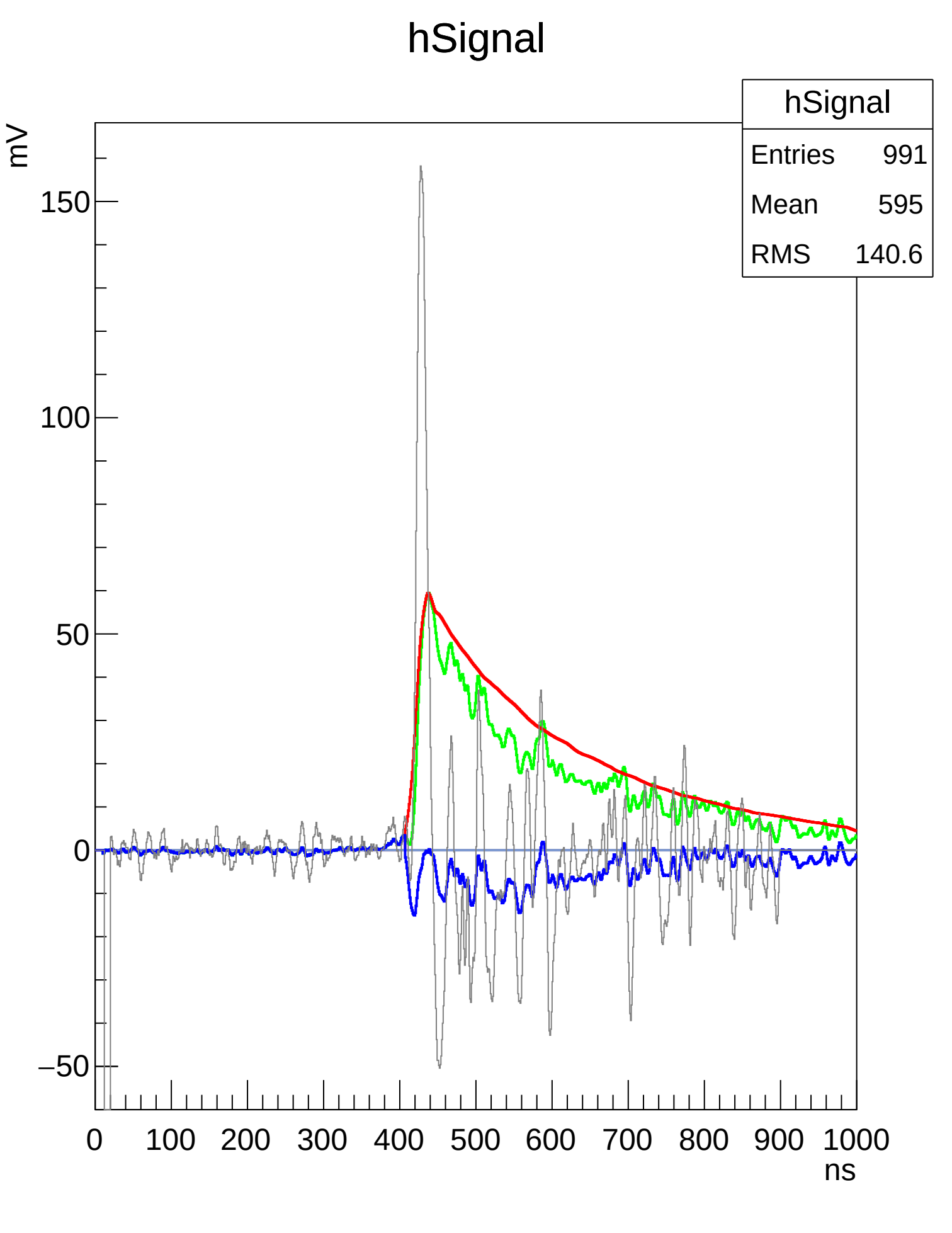

hSignal
hSignal
Entries 991
Mean 615.2
RMS 128.2
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.7
RMS 120.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 597.2
RMS 146.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.5
RMS 146.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.6
RMS 132.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595
RMS 140.6
mV
150
100
50
0
−50
0
100
200
300
400
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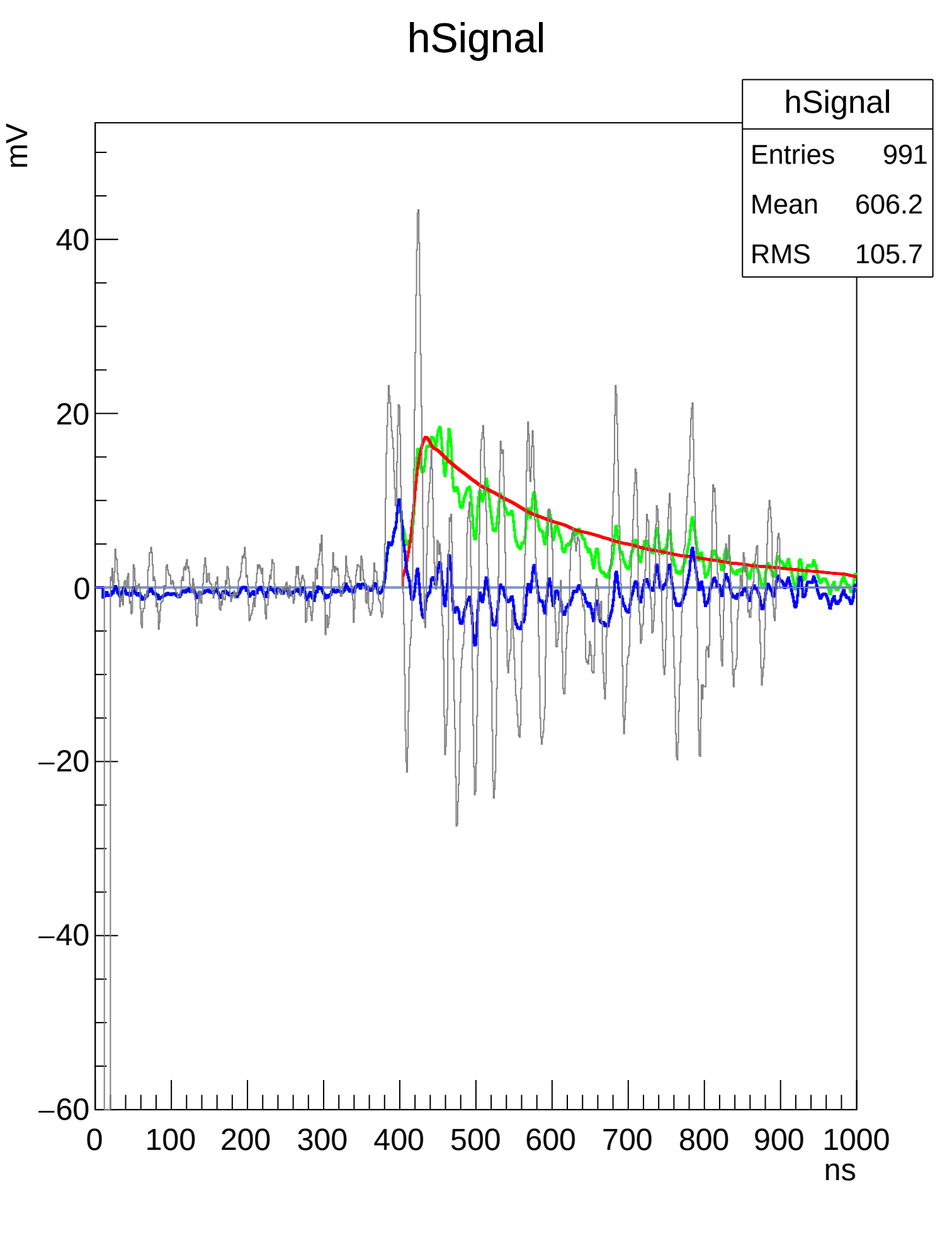
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 606.2
RMS 105.7
mV
40
20
0
−20
−40
−60
0
100
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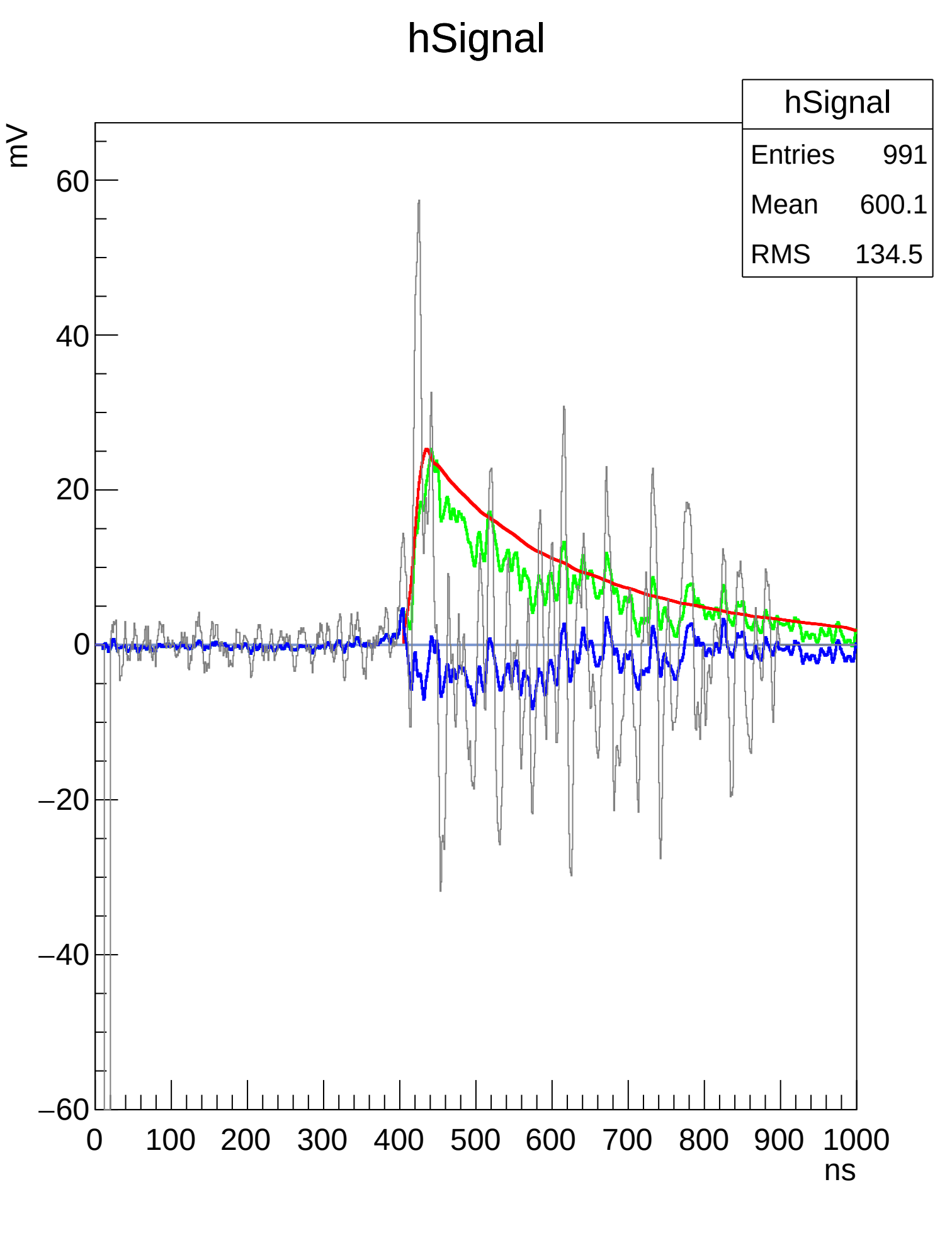
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 600.1
RMS 134.5
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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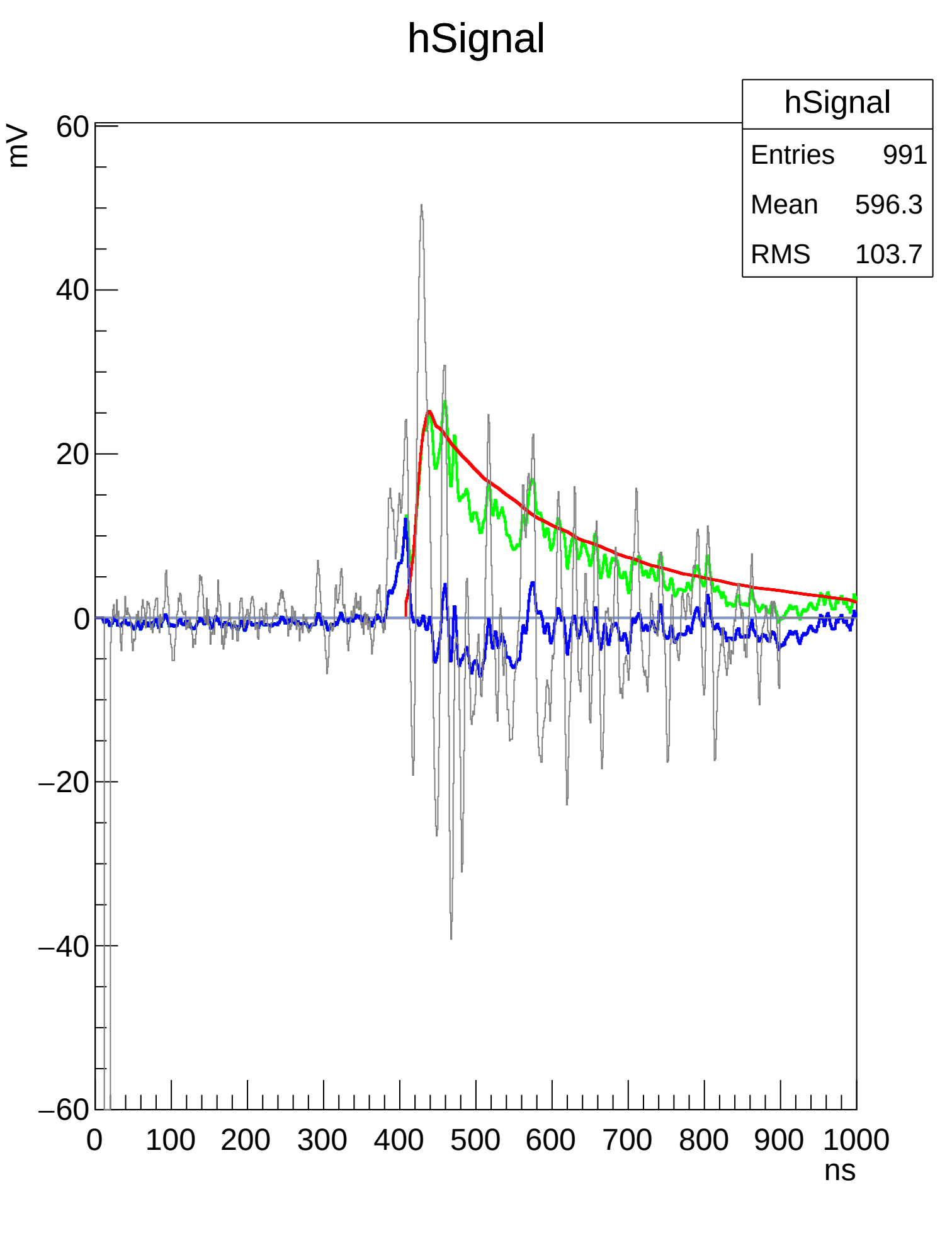
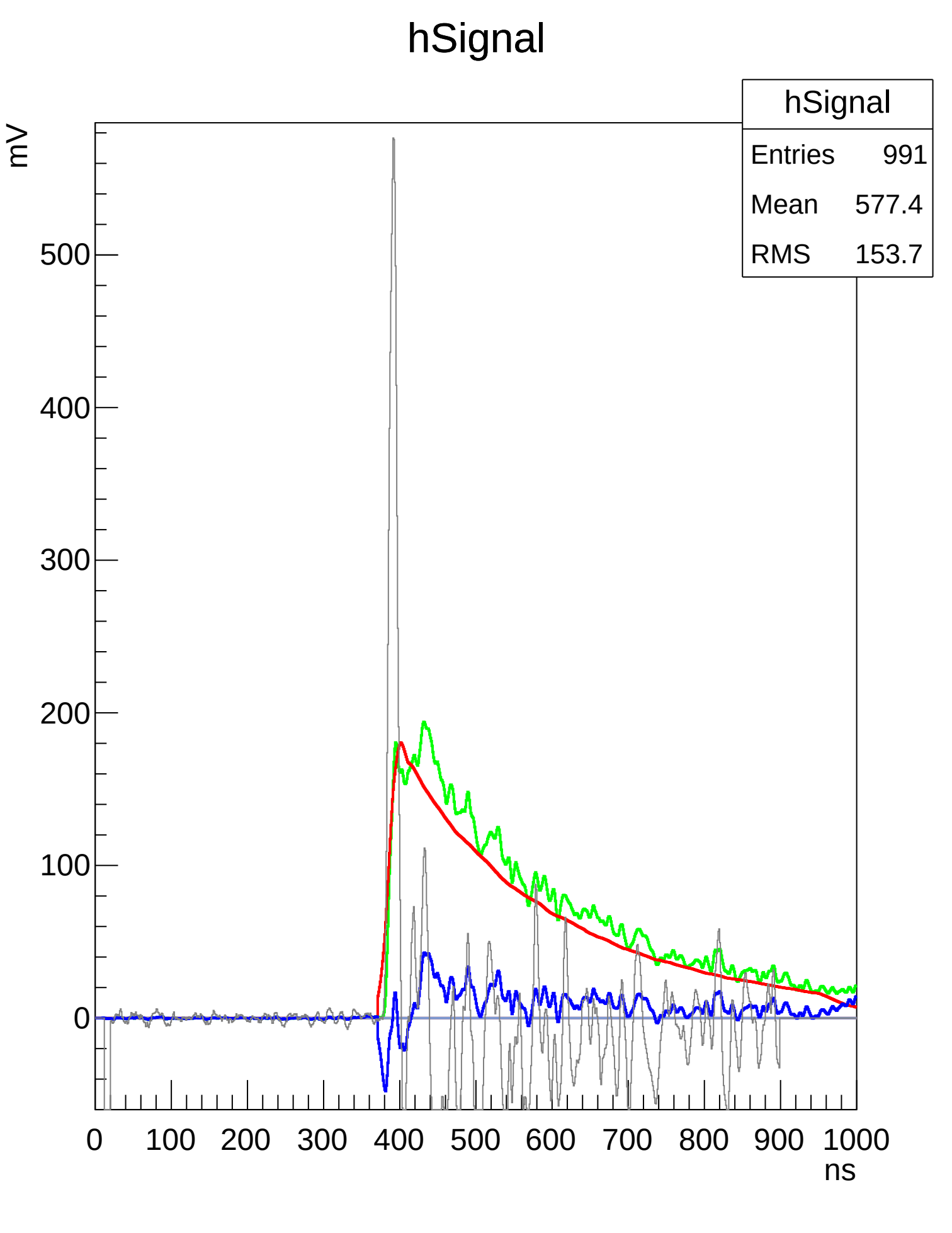
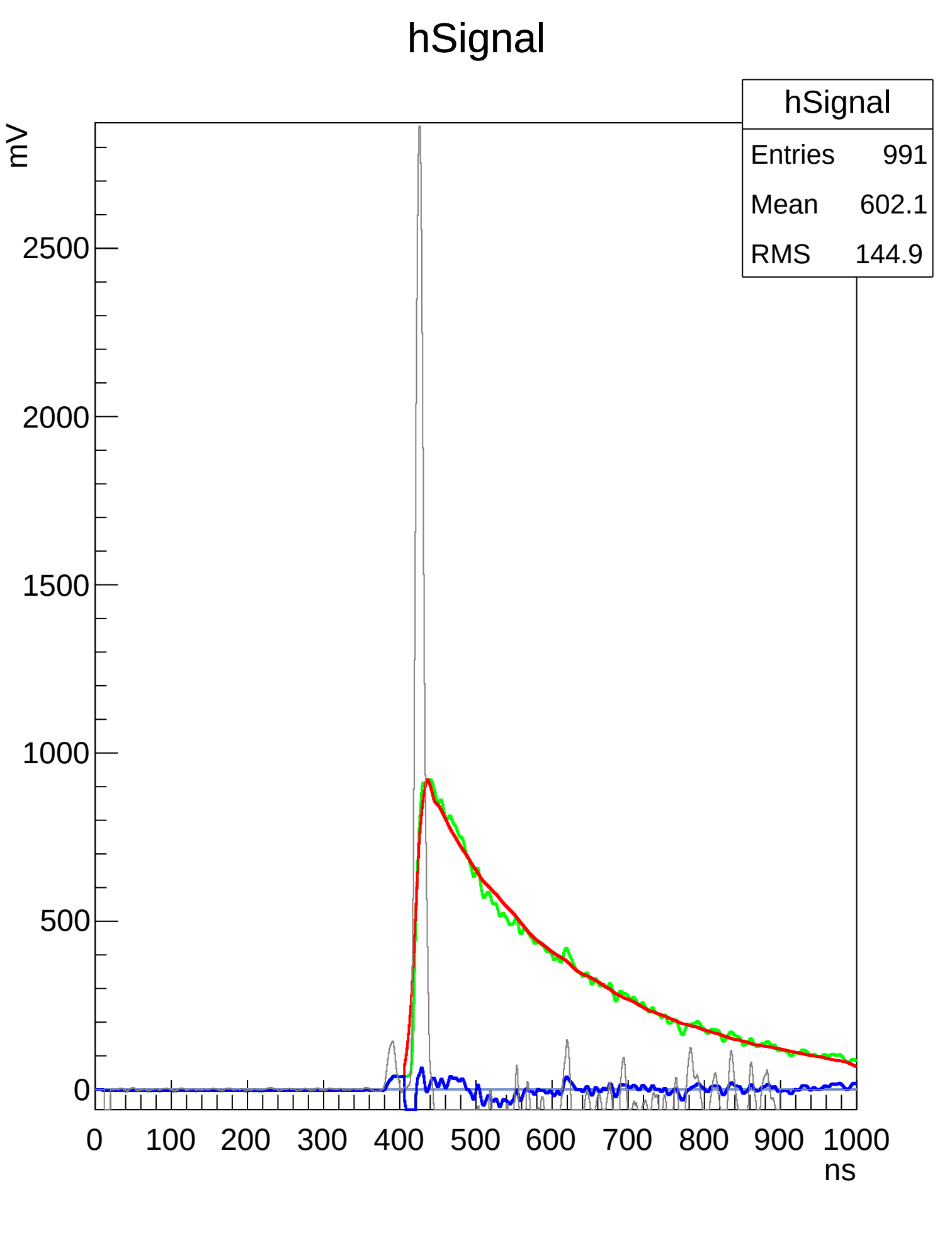
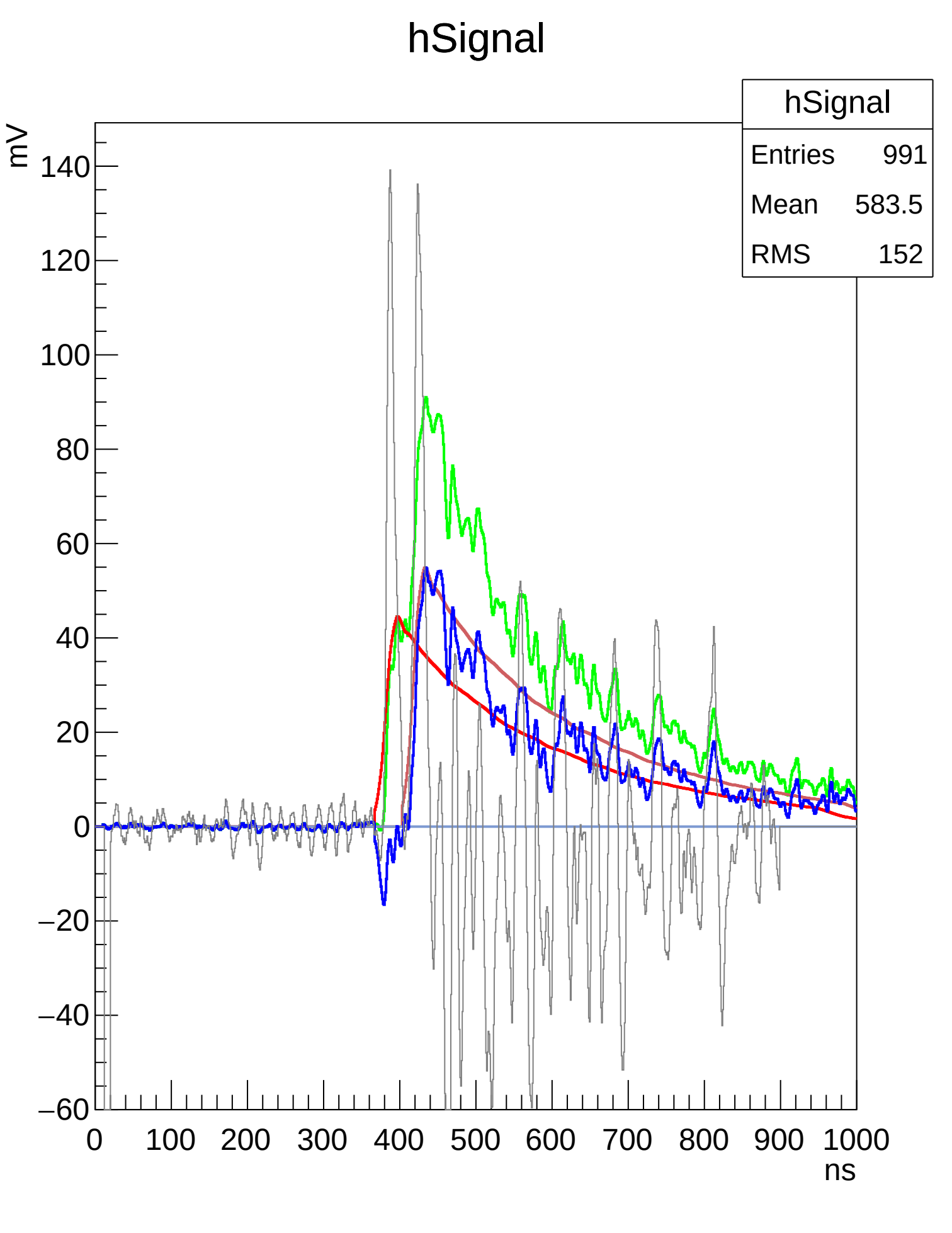
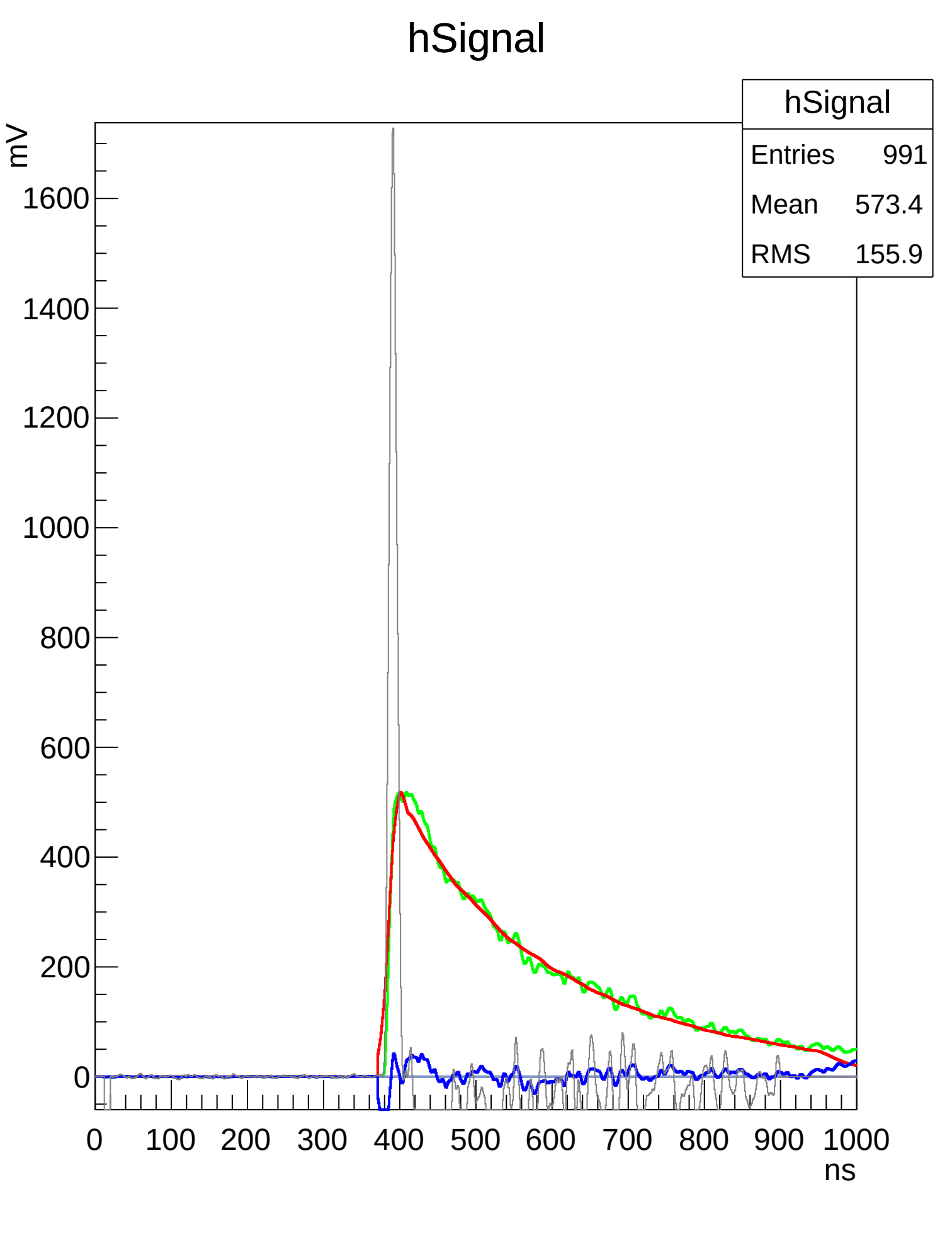
600
700
800
900
1000
ns

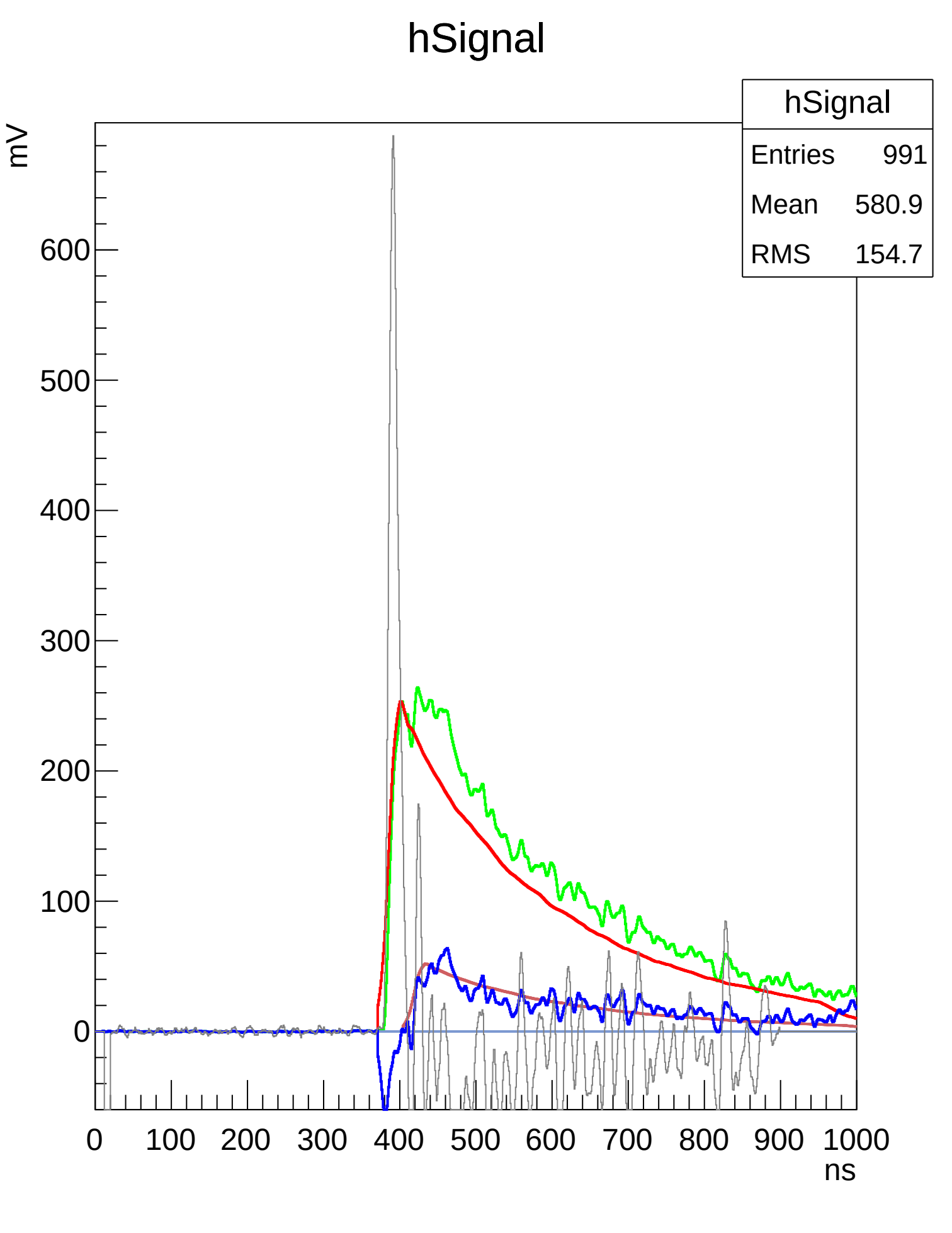

hSignal
hSignal
Entries 991
Mean 596.3
RMS 103.7
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

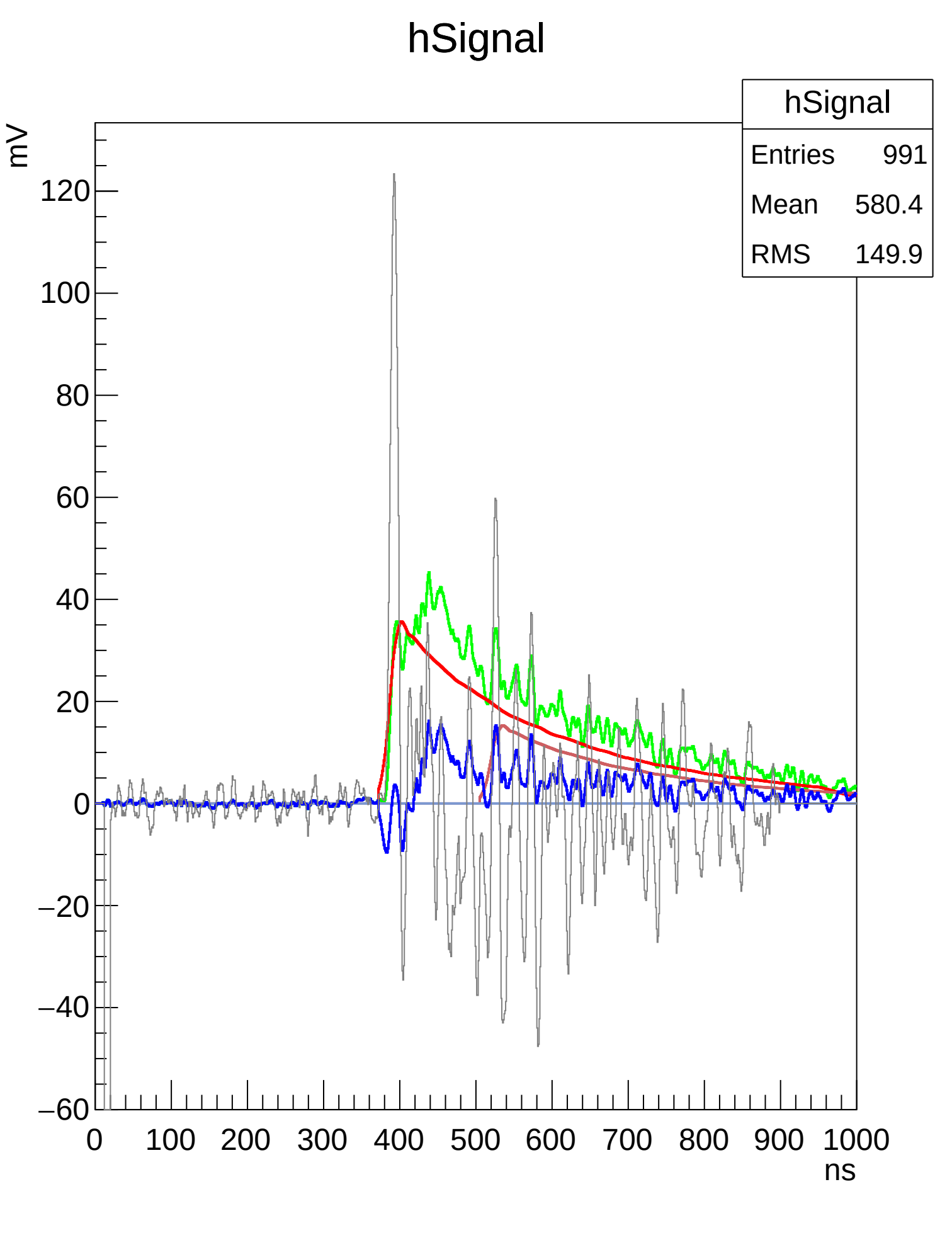

hSignal
hSignal
Entries 991
Mean 577.4
RMS 153.7
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

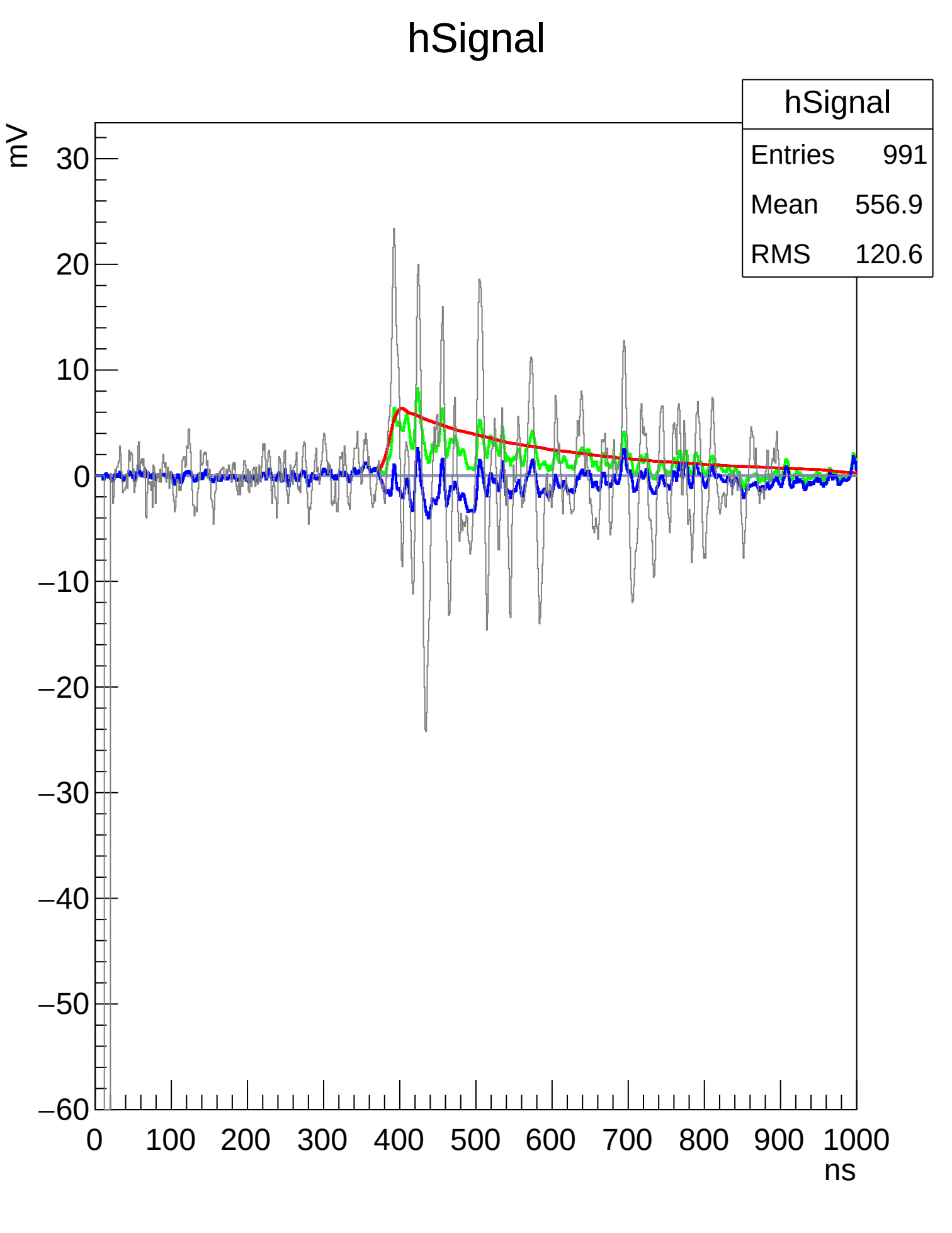

hSignal
hSignal
Entries 991
Mean 602.1
RMS 144.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

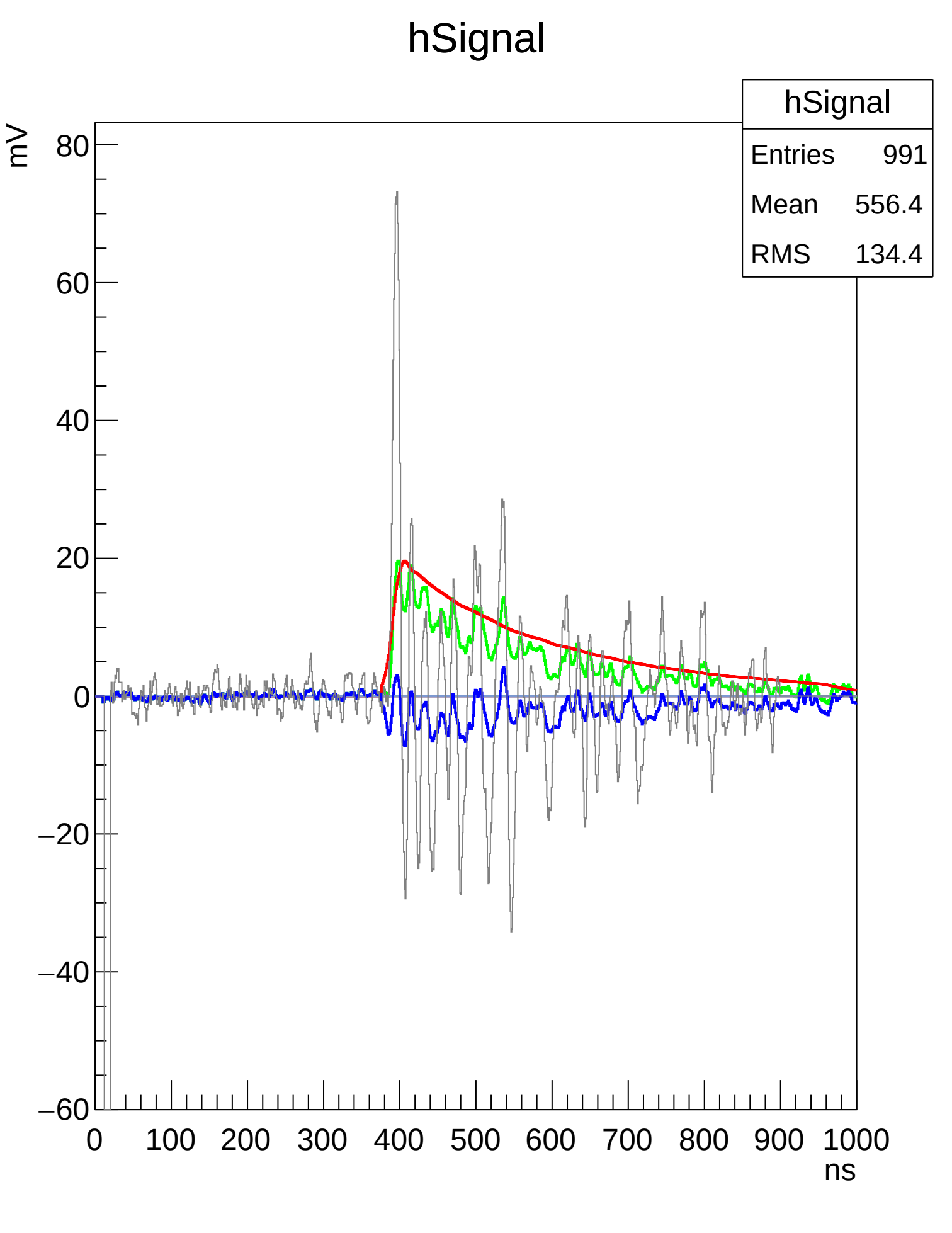

hSignal
hSignal
Entries 991
Mean 583.5
RMS 152
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

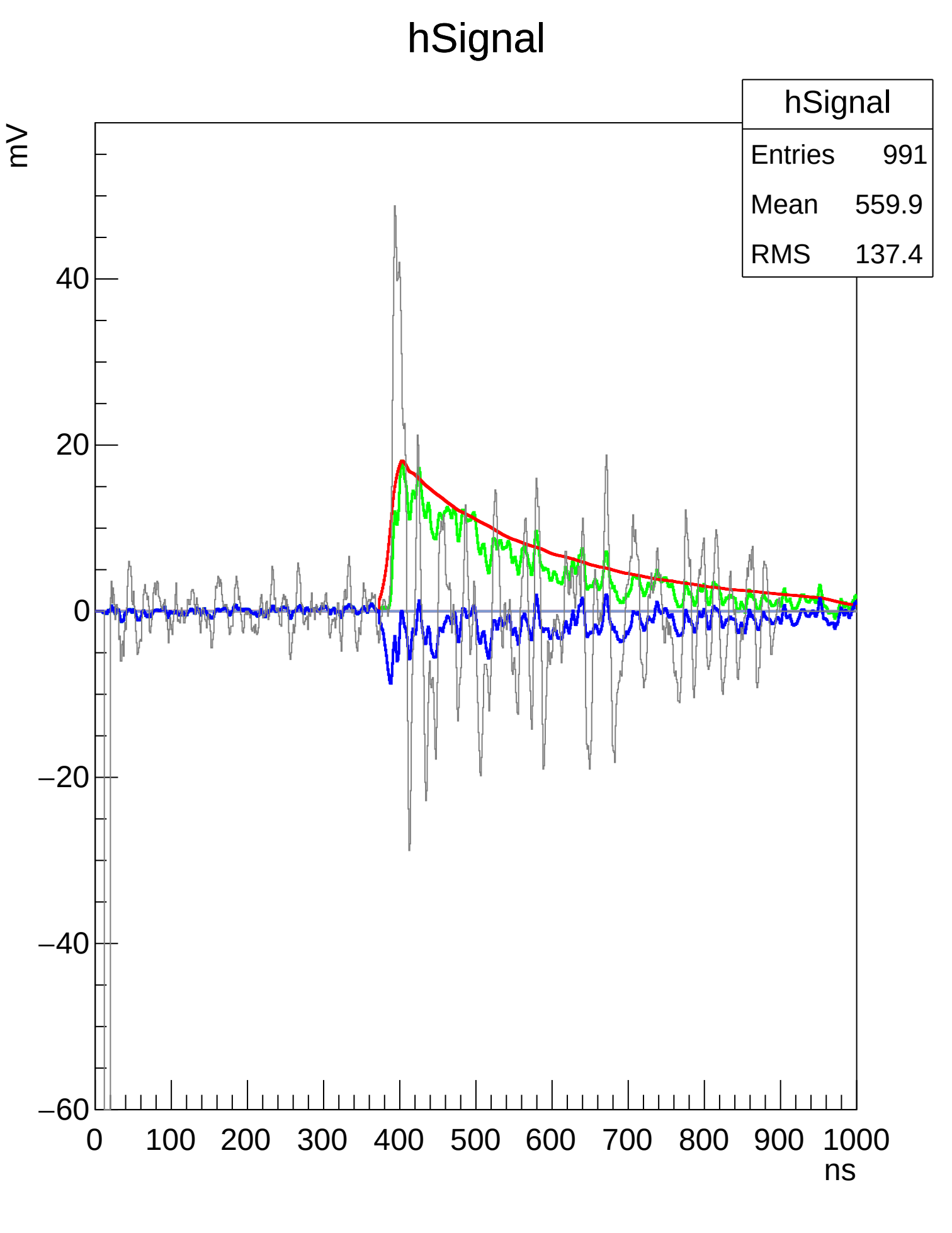

hSignal
hSignal
Entries 991
Mean 573.4
RMS 155.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.9
RMS 154.7
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 580.4
RMS 149.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.9
RMS 120.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 556.4
RMS 134.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.9
RMS 137.4
mV
40
20
0
−20
−40
−60
0
100
200
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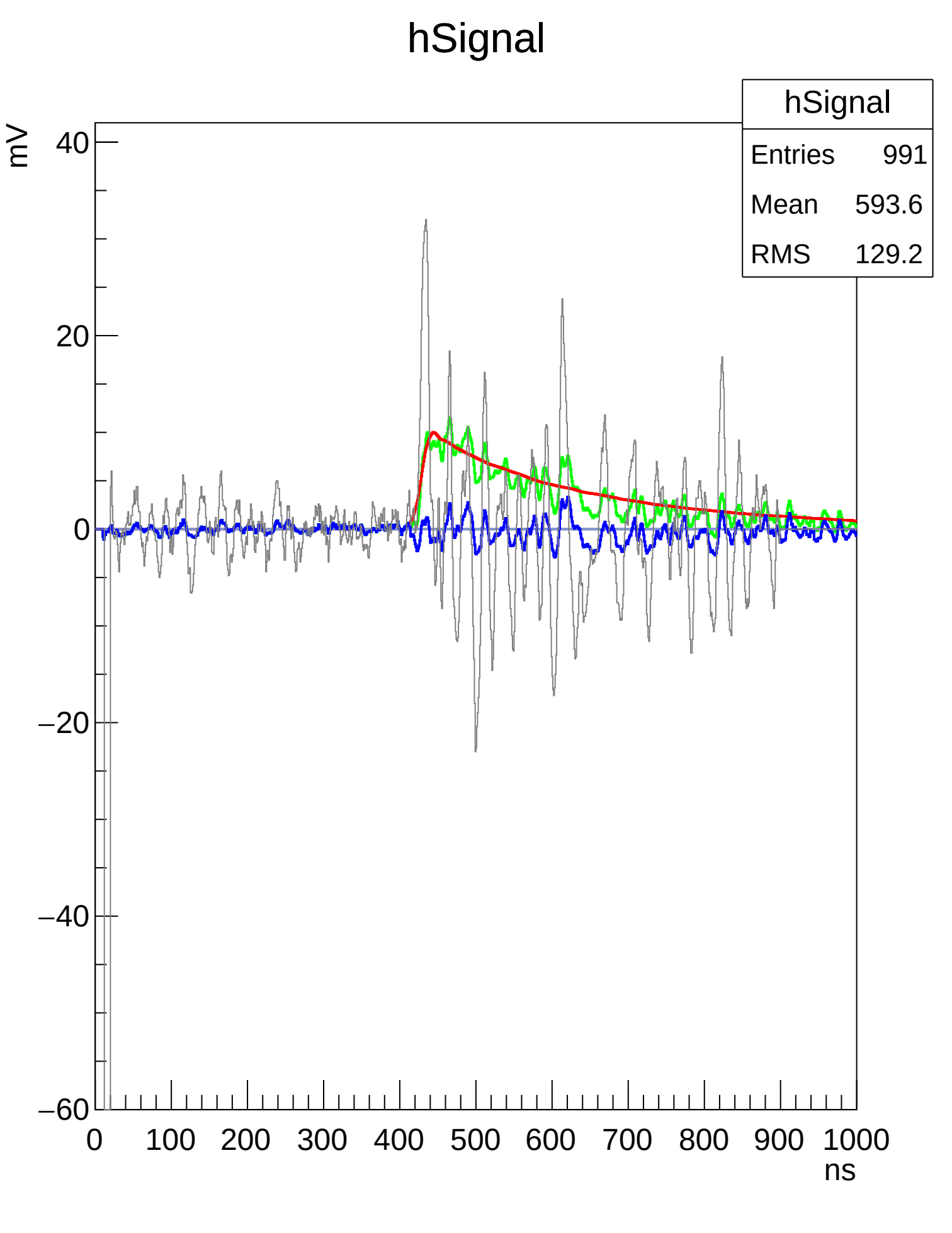
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.6
RMS 129.2
mV
40
20
0
−20
−40
−60
0
100
200
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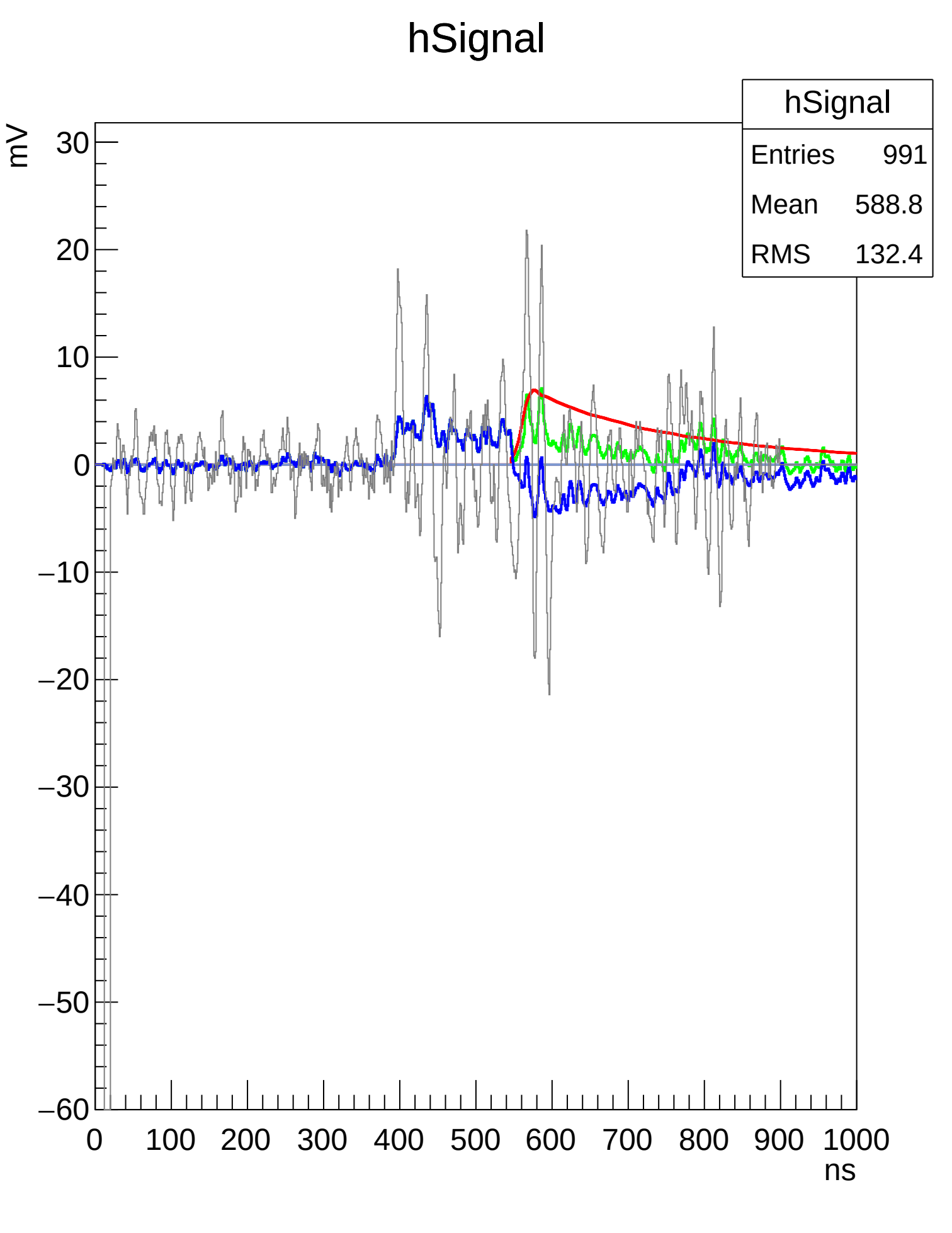
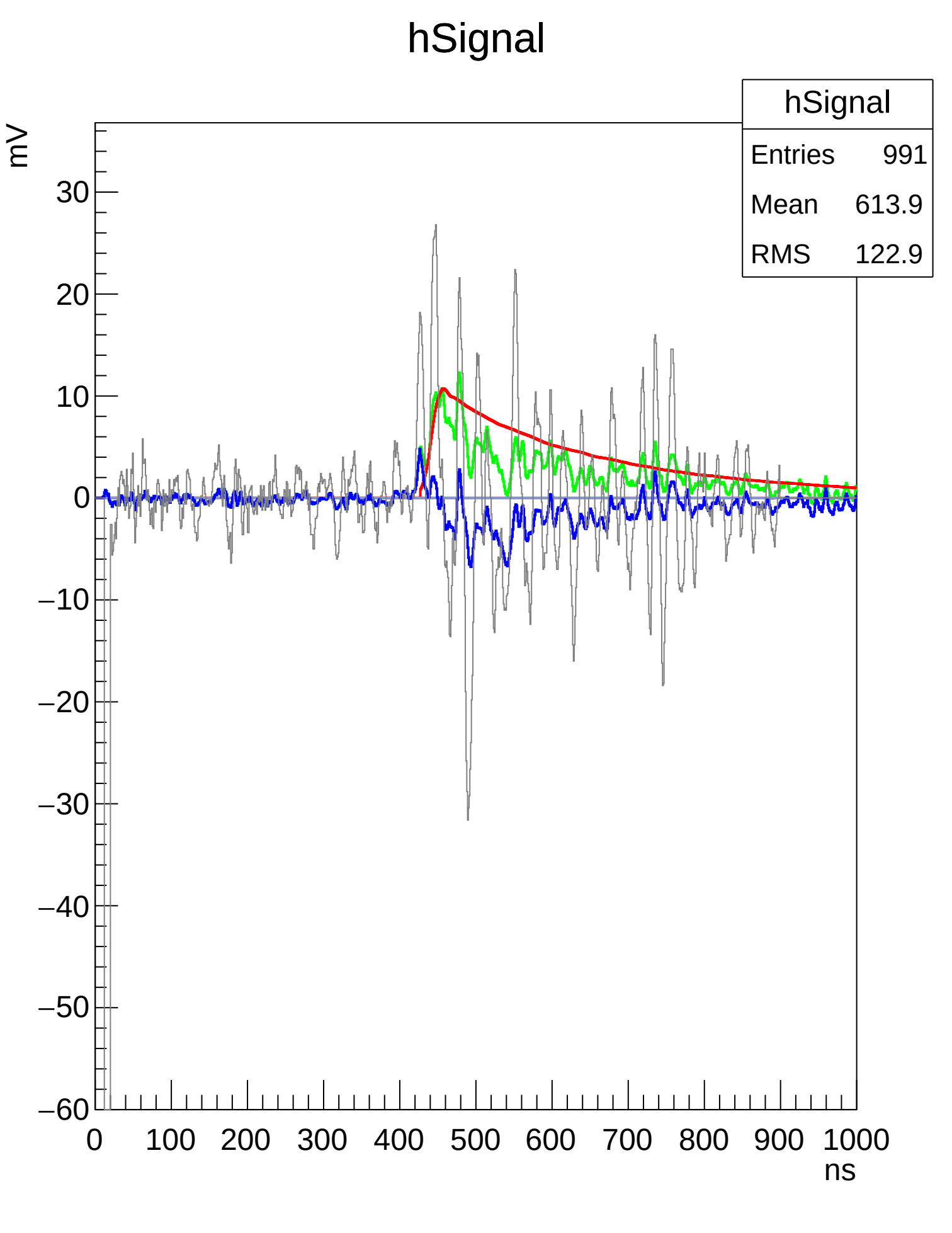
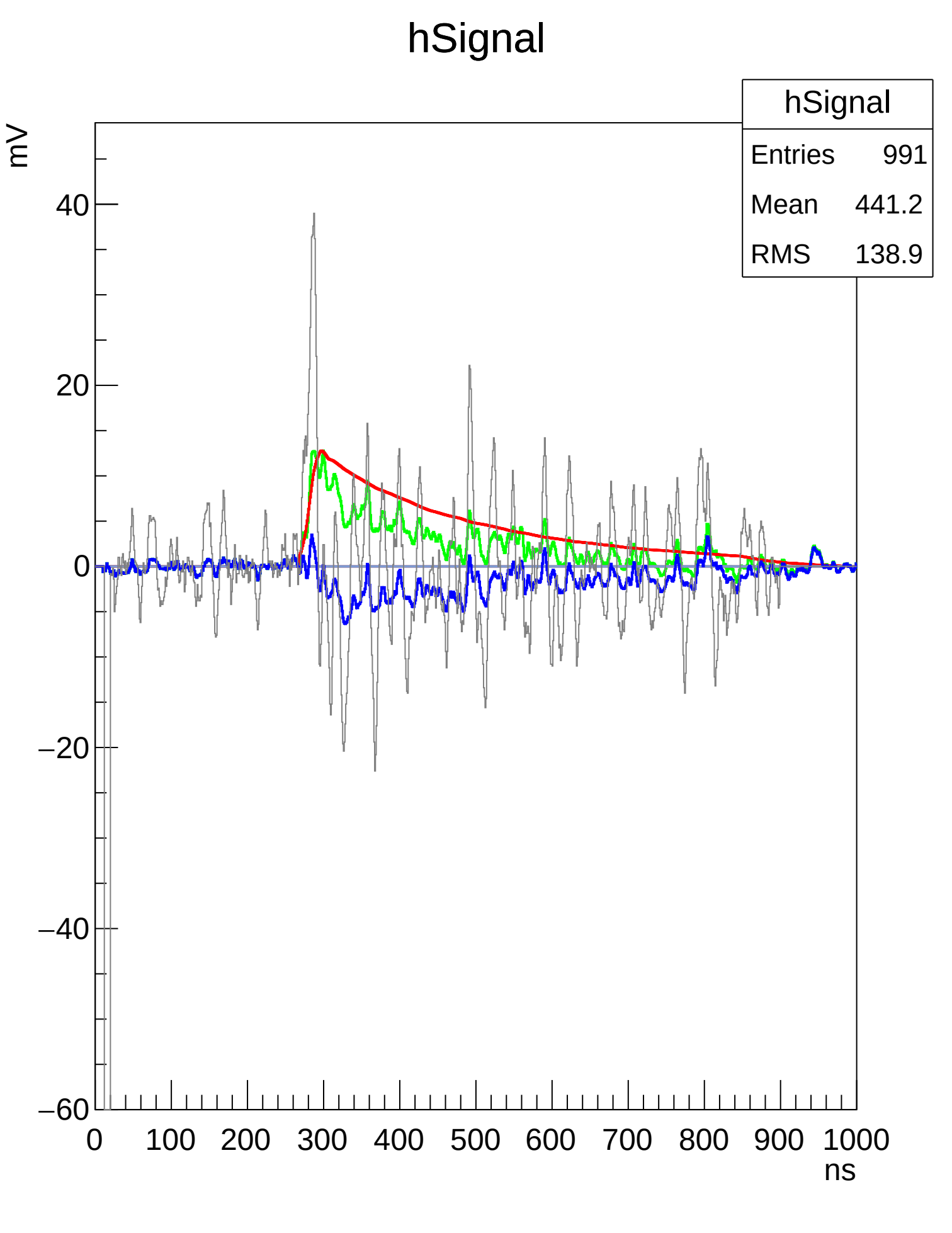
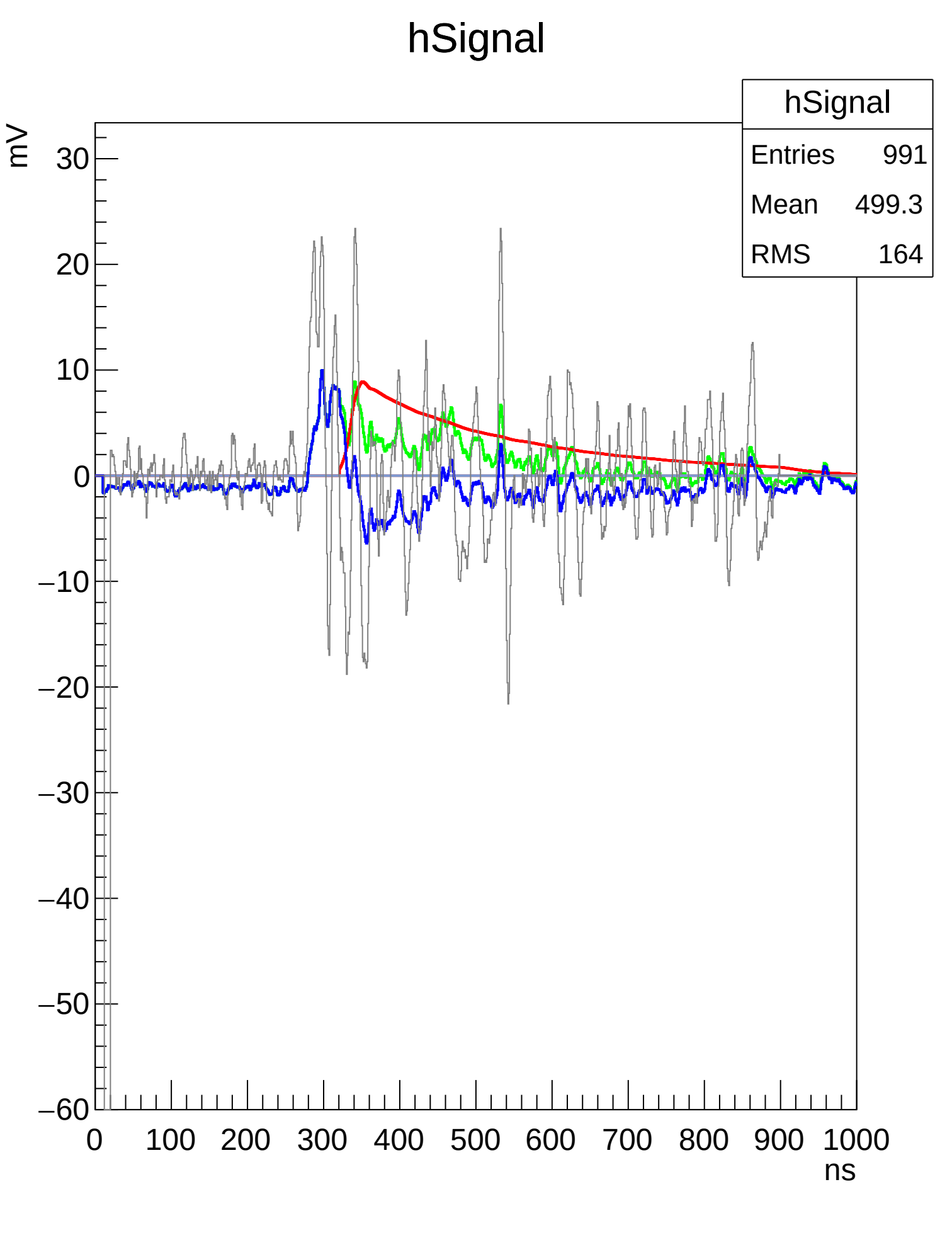
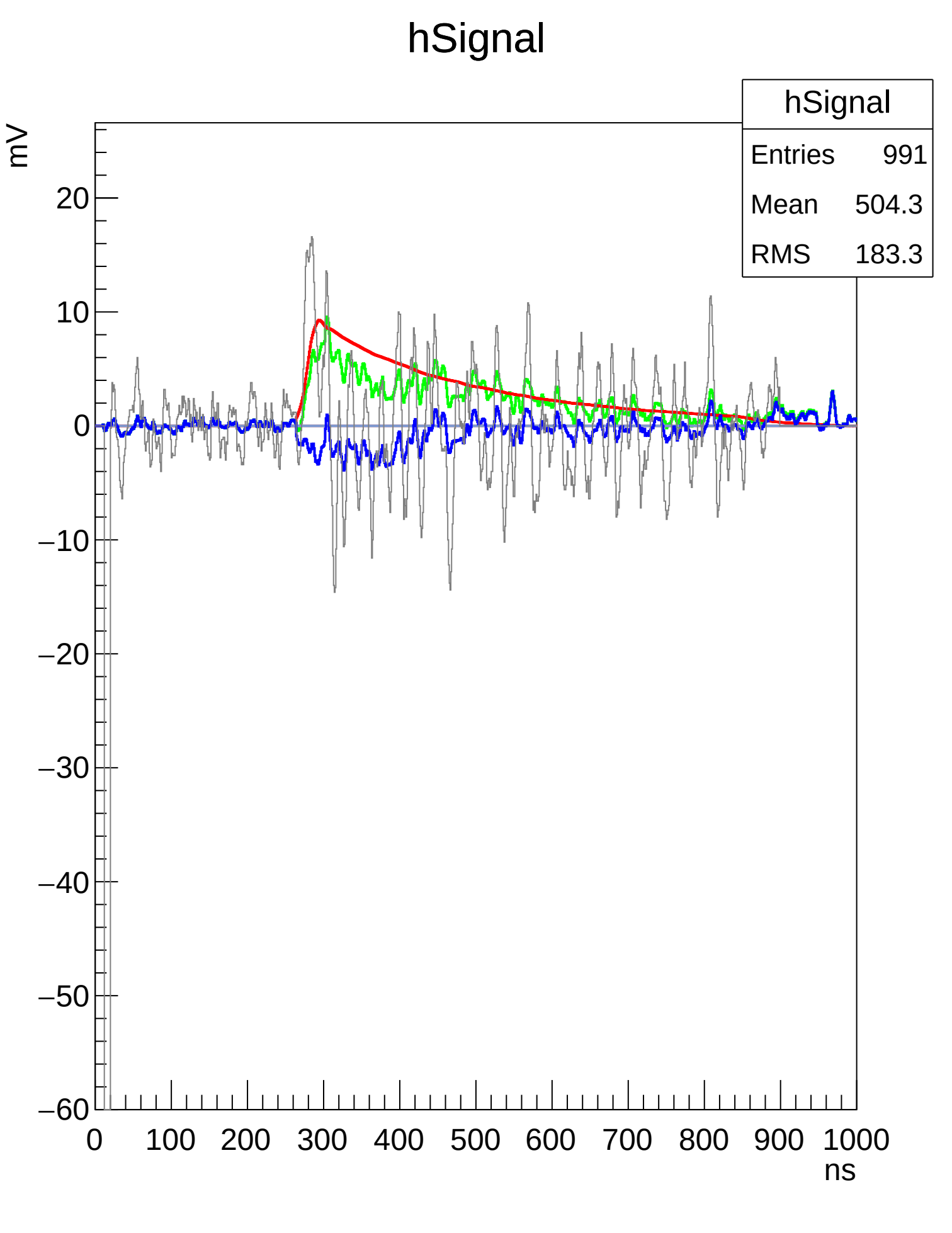
600
700
800
900
1000
ns

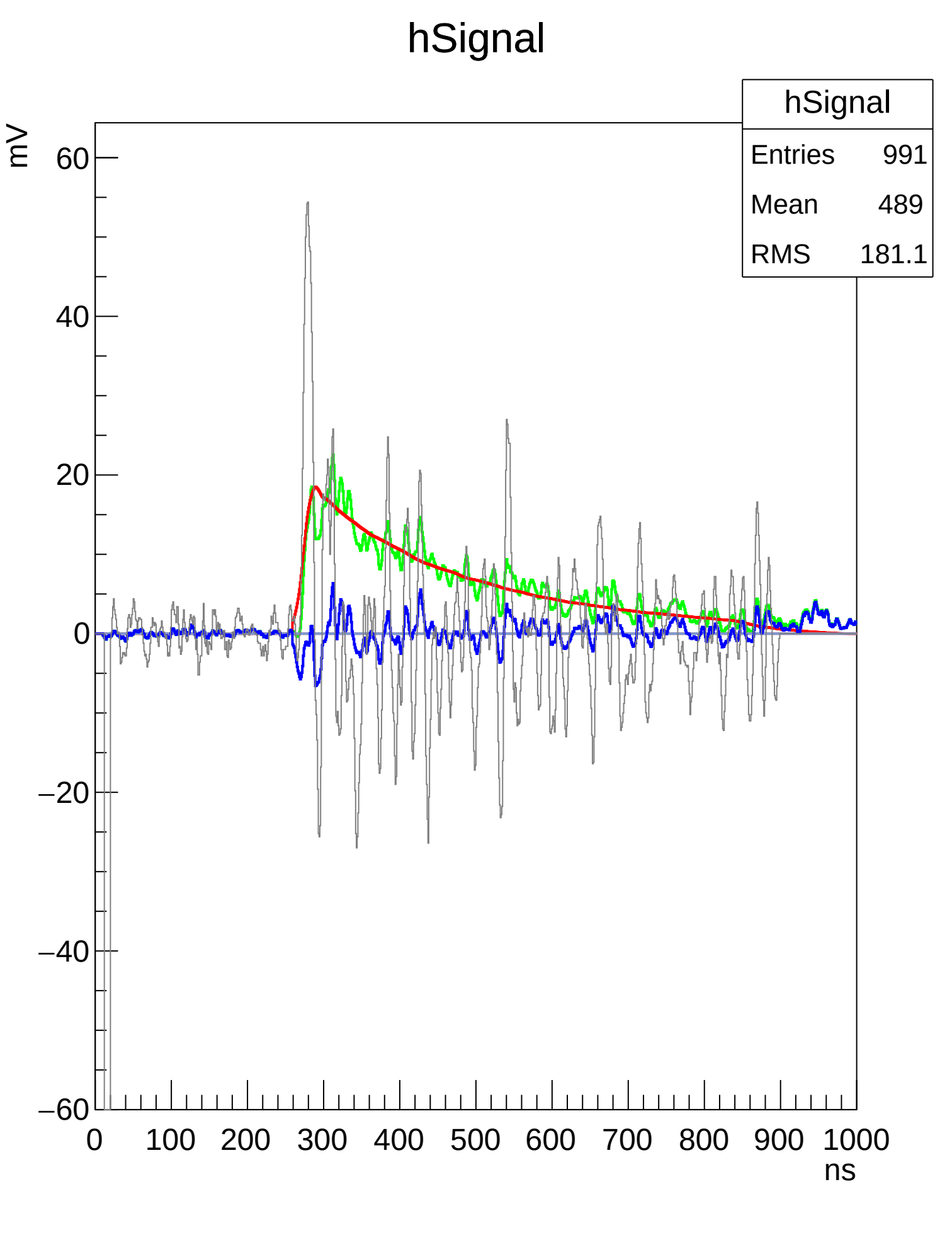

hSignal
hSignal
Entries 991
Mean 588.8
RMS 132.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 613.9
RMS 122.9
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 441.2
RMS 138.9
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.3
RMS 164
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 504.3
RMS 183.3
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489
RMS 181.1
mV
60
40
20
0
−20
−40
−60
0
100
200
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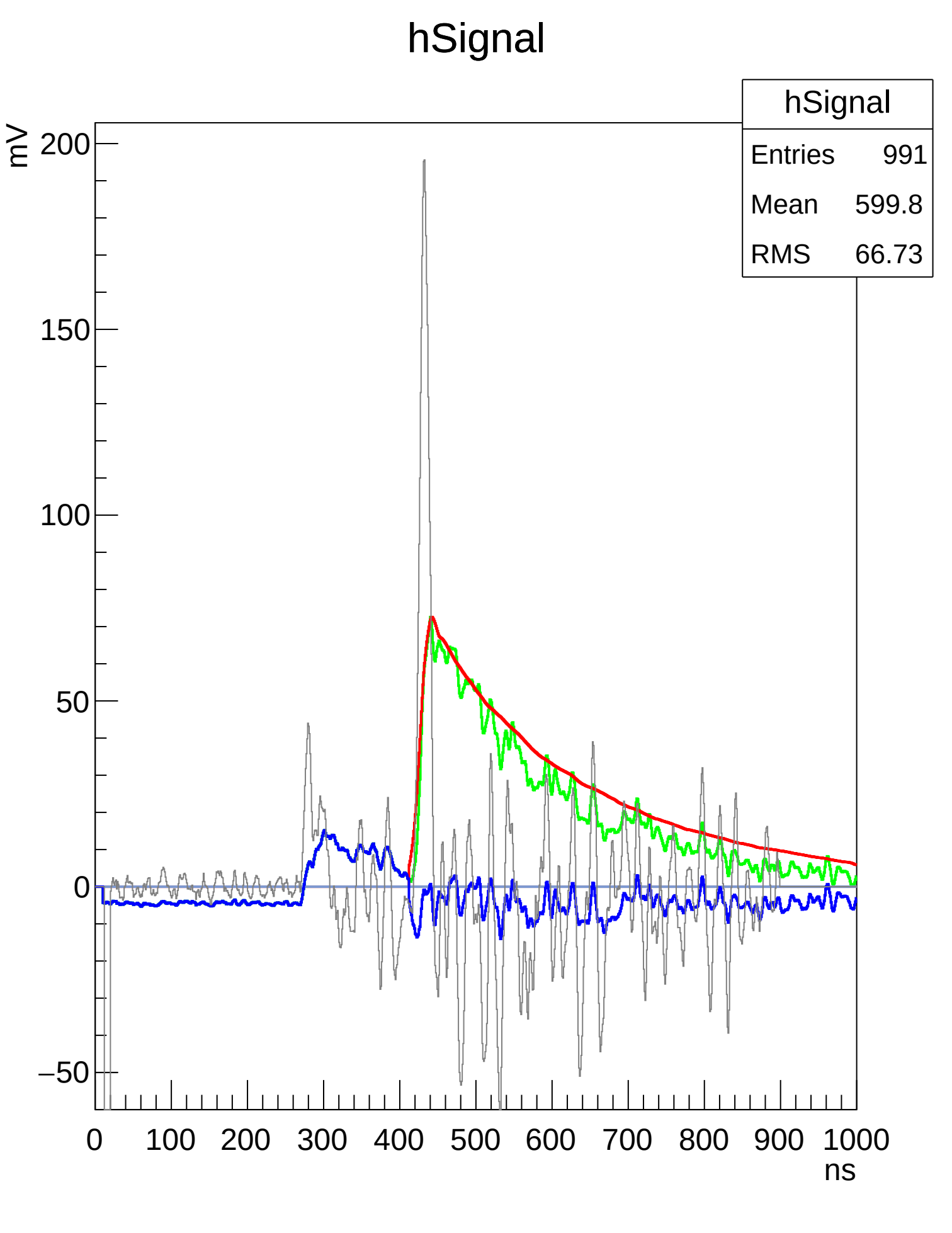
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.8
RMS 66.73
mV
200
150
100
50
0
−50
0
100
200
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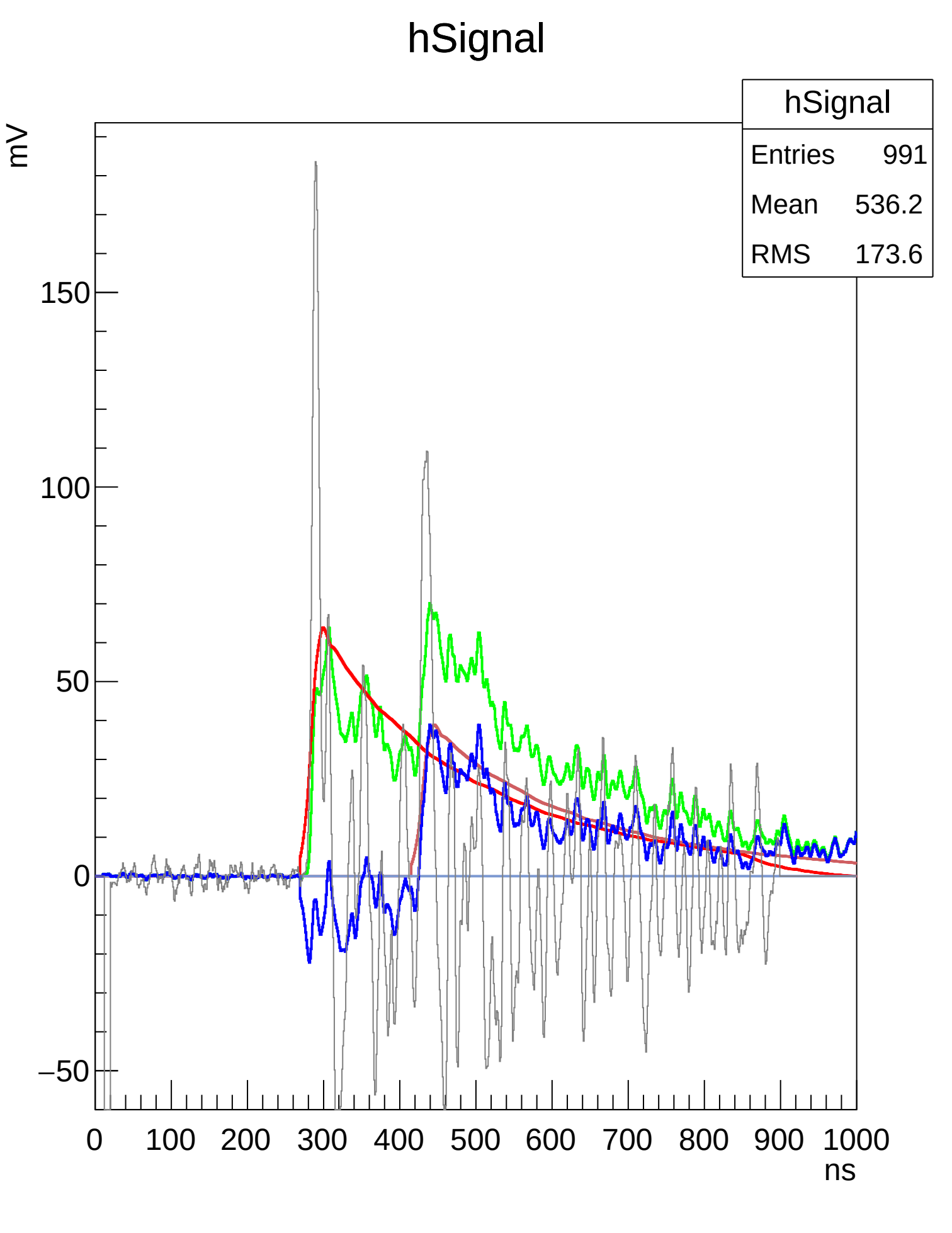
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 536.2
RMS 173.6
mV
150
100
50
0
−50
0
100
200
300
400
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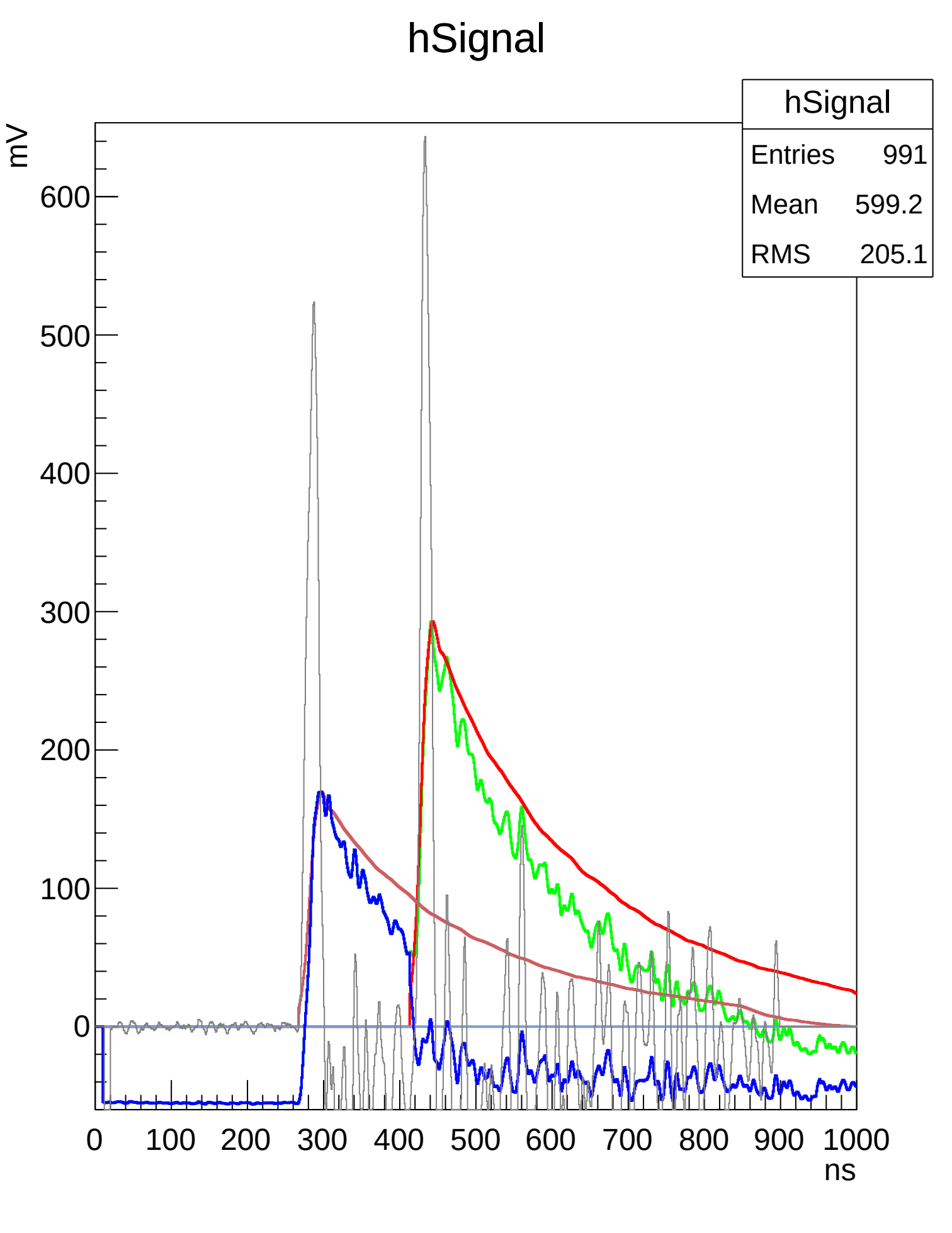
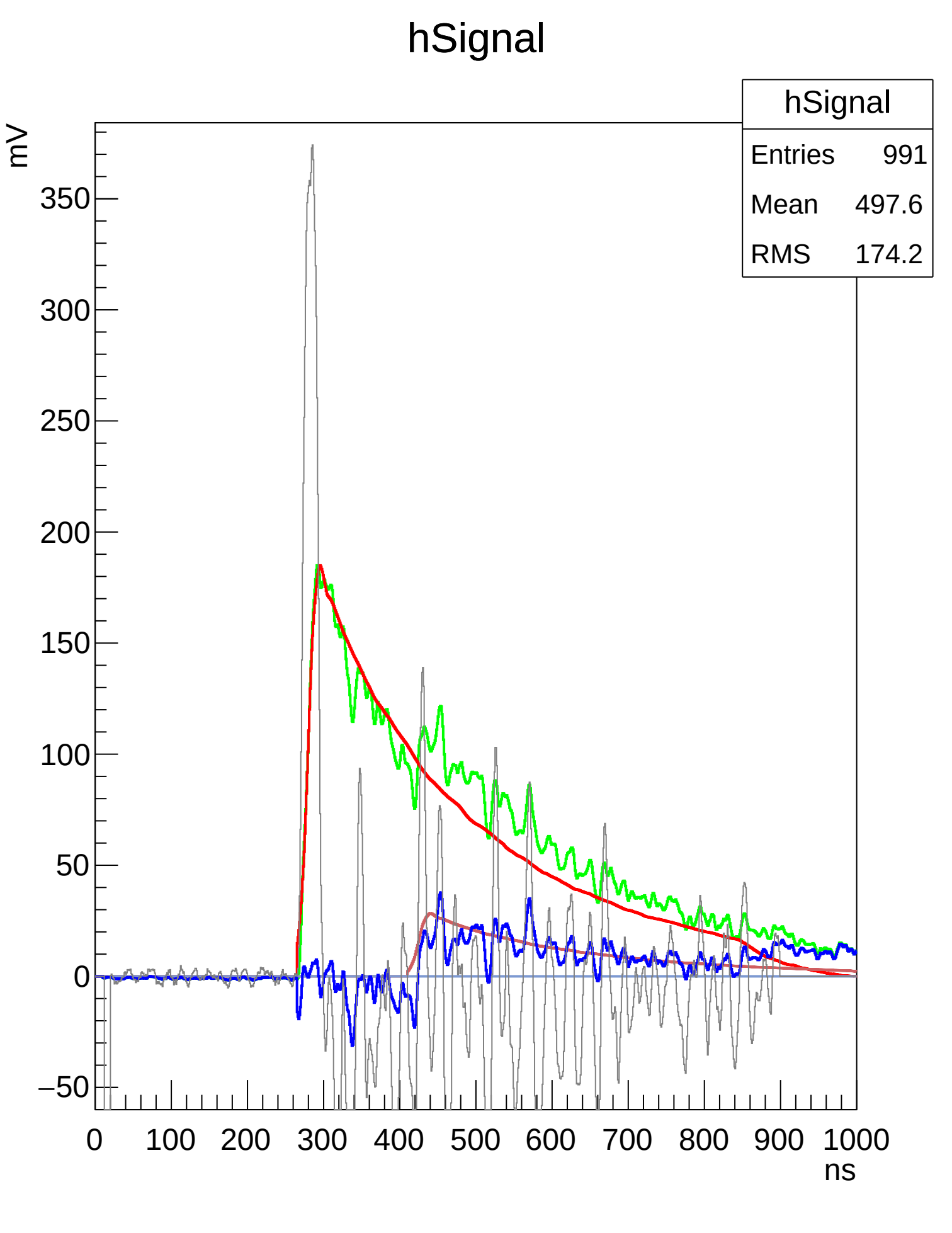
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 599.2
RMS 205.1
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 497.6
RMS 174.2
mV
350
300
250
200
150
100
50
0
−50
0
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200
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400
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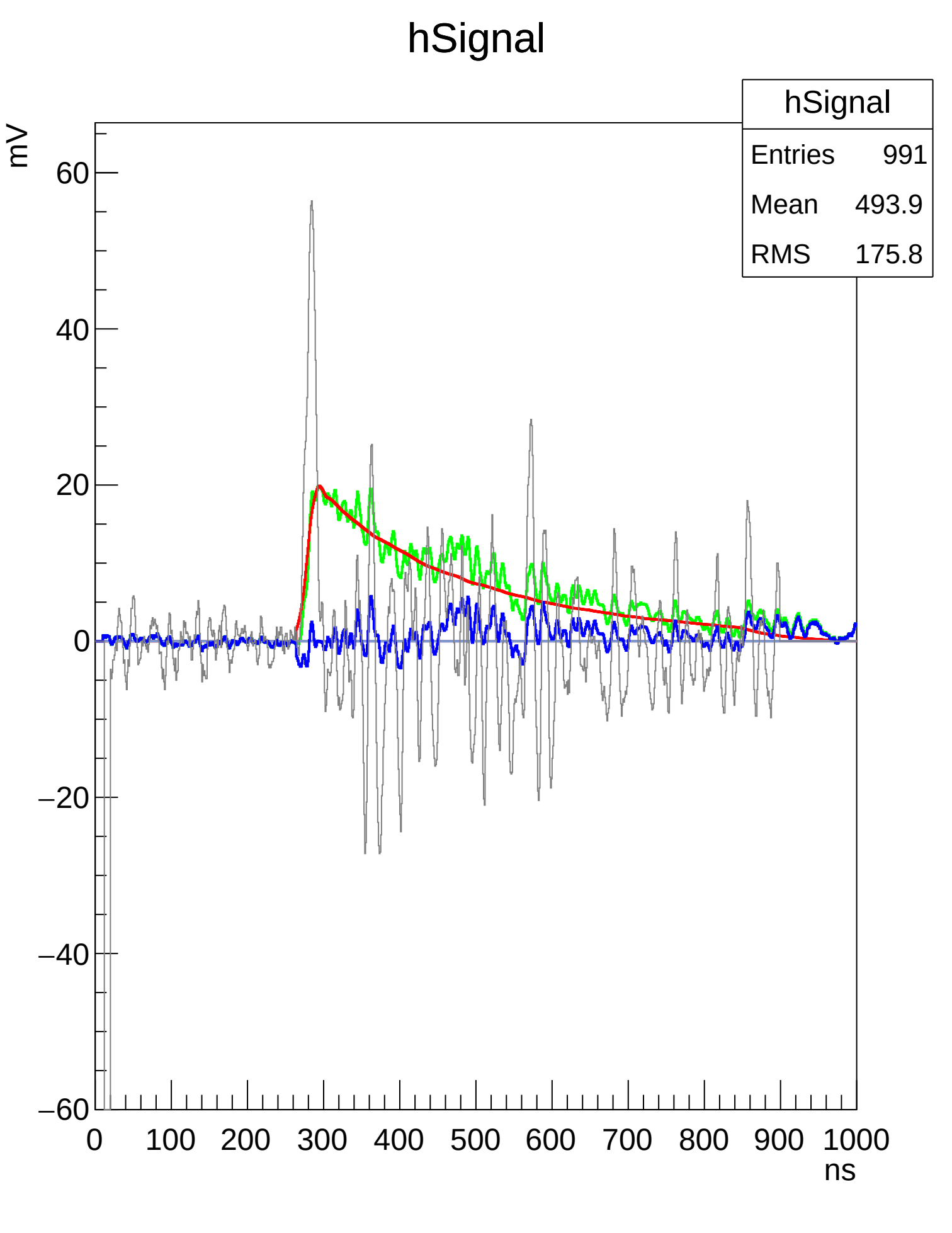
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.9
RMS 175.8
mV
60
40
20
0
−20
−40
−60
0
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200
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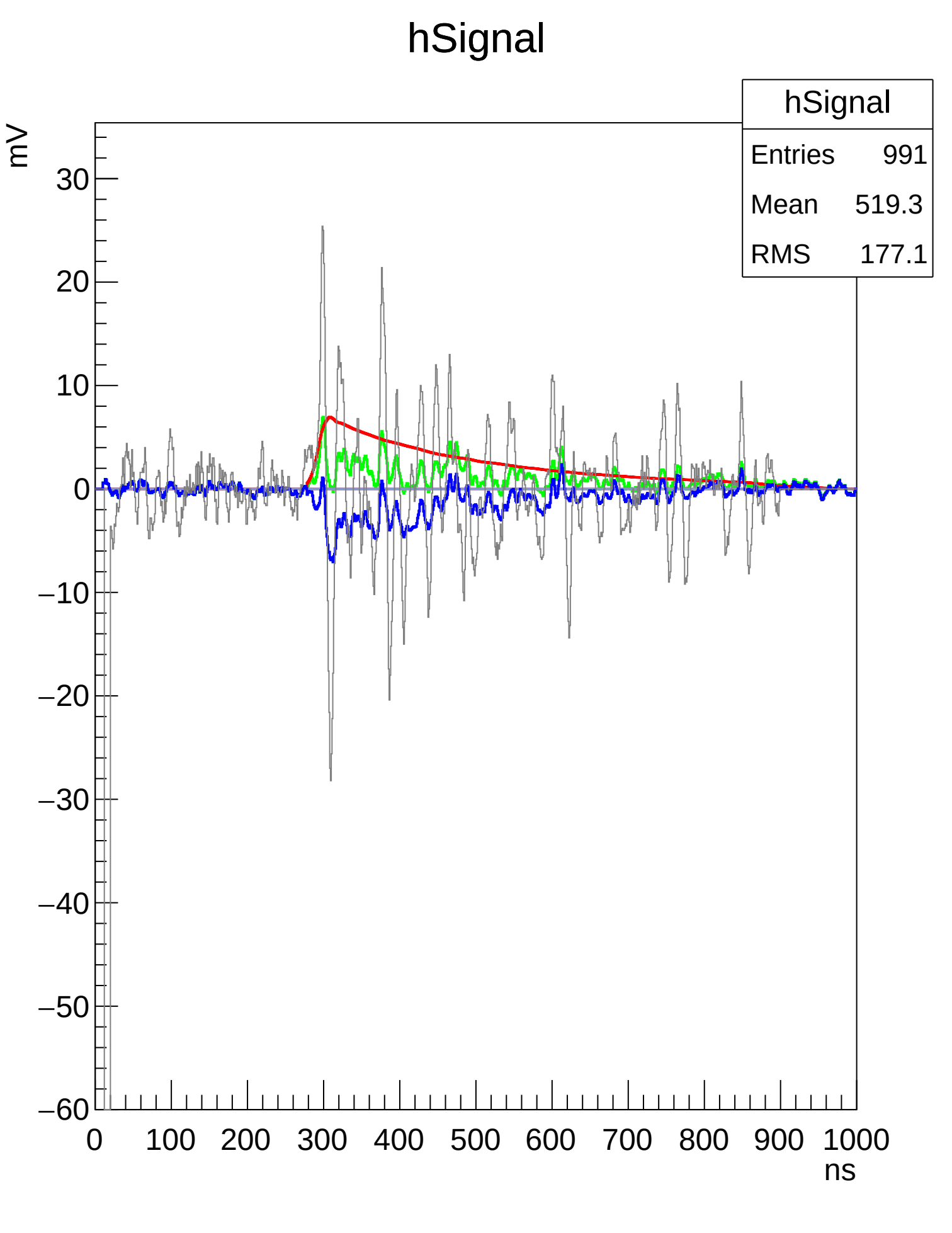
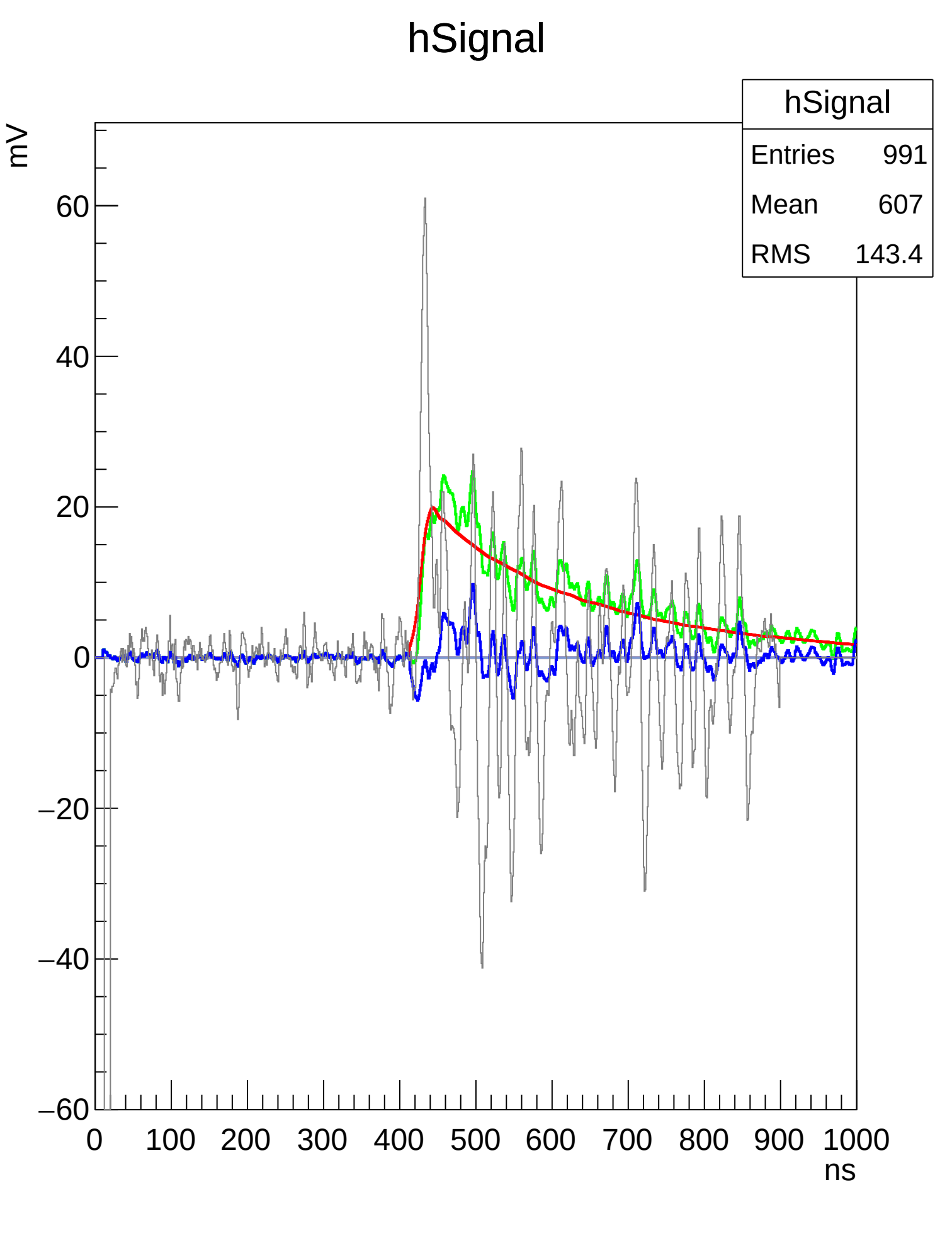
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 519.3
RMS 177.1
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 607
RMS 143.4
mV
60
40
20
0
−20
−40
−60
0
100
200
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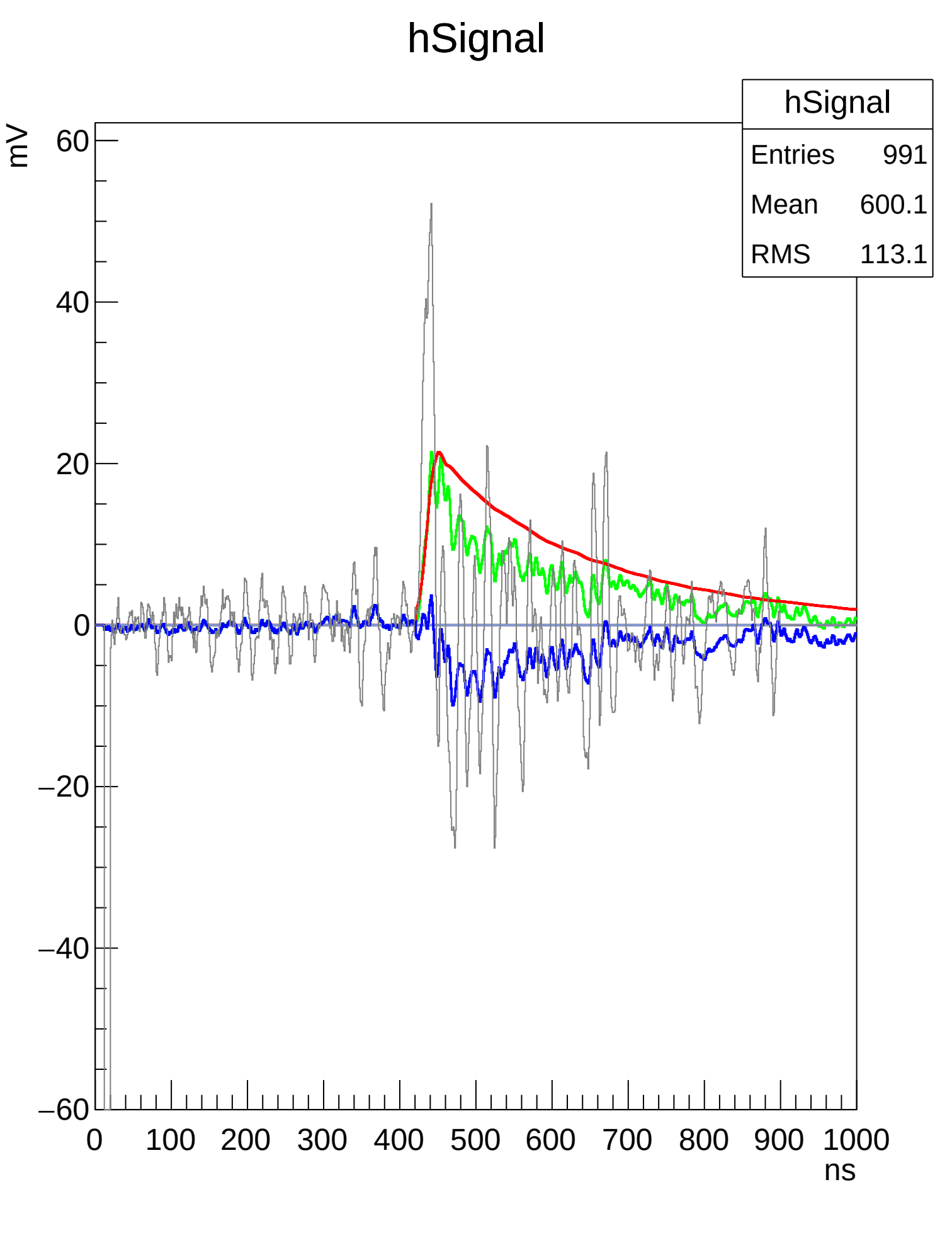
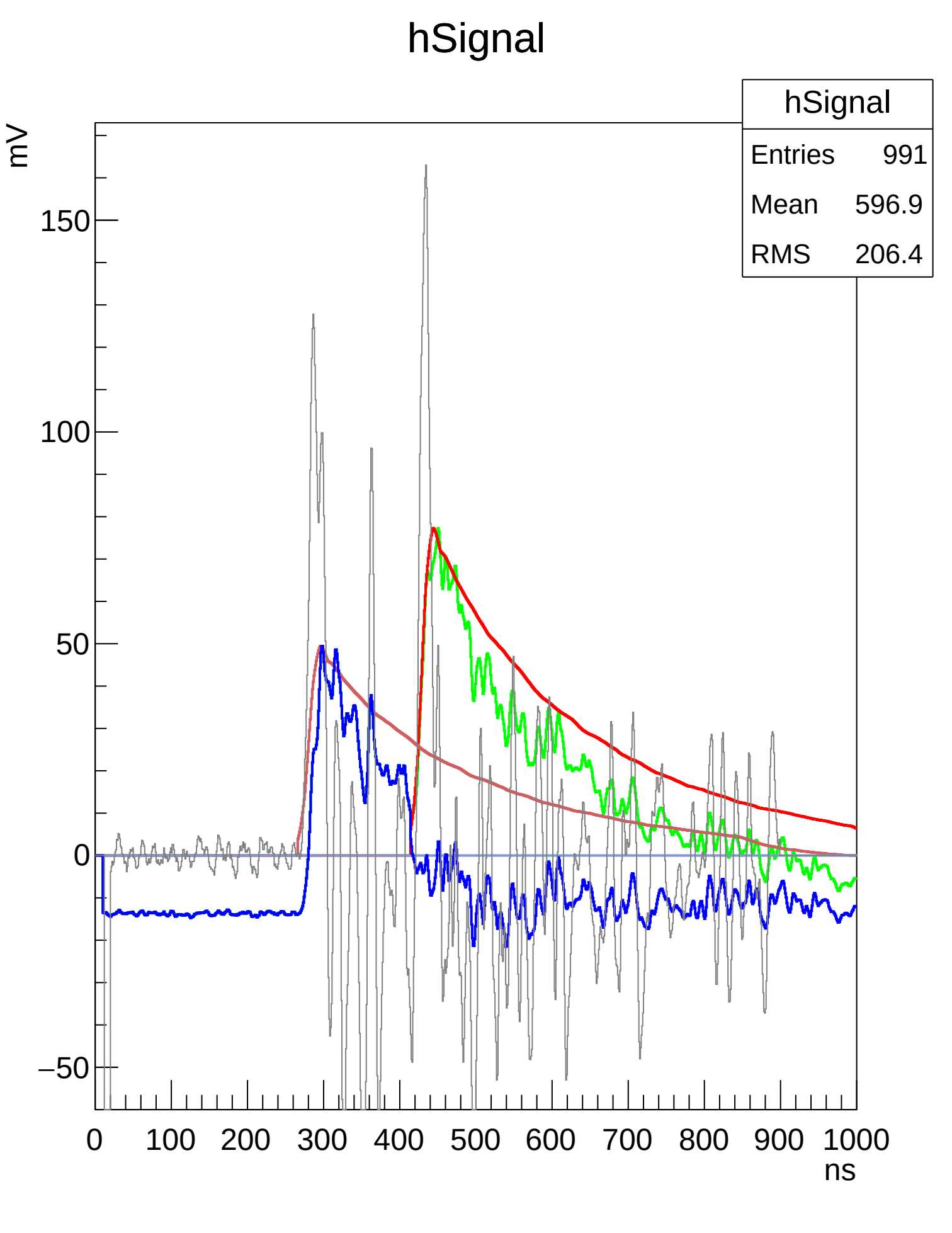
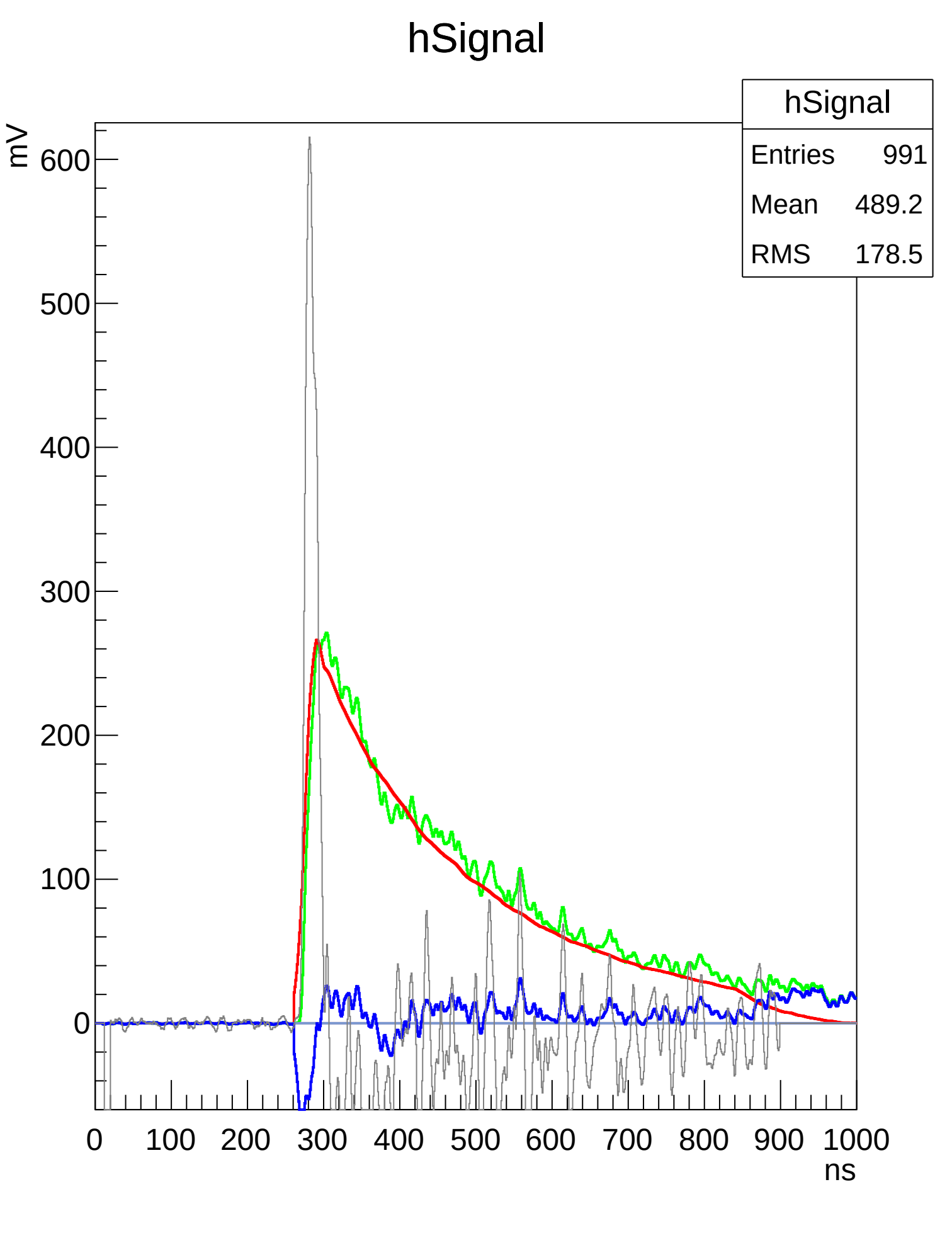
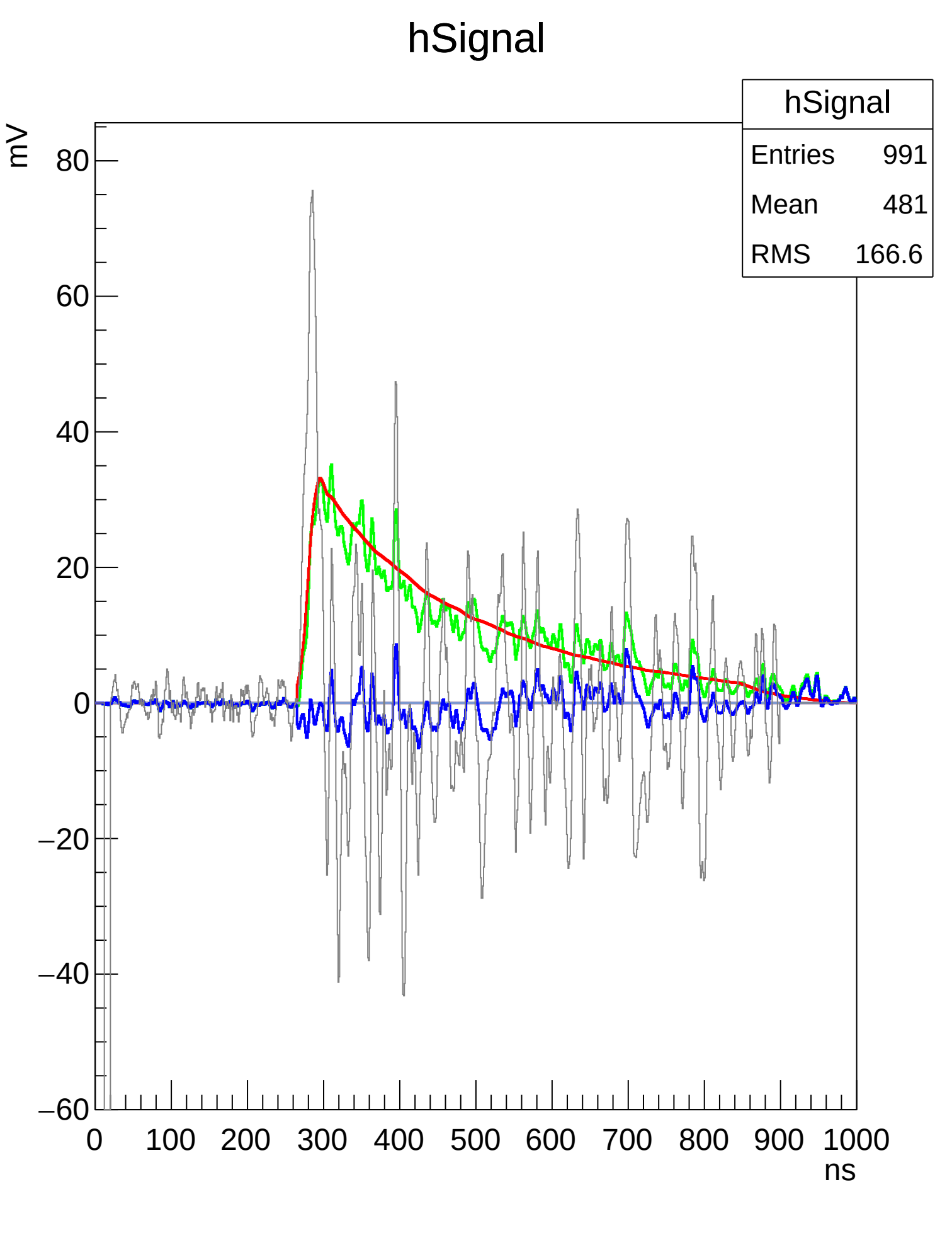
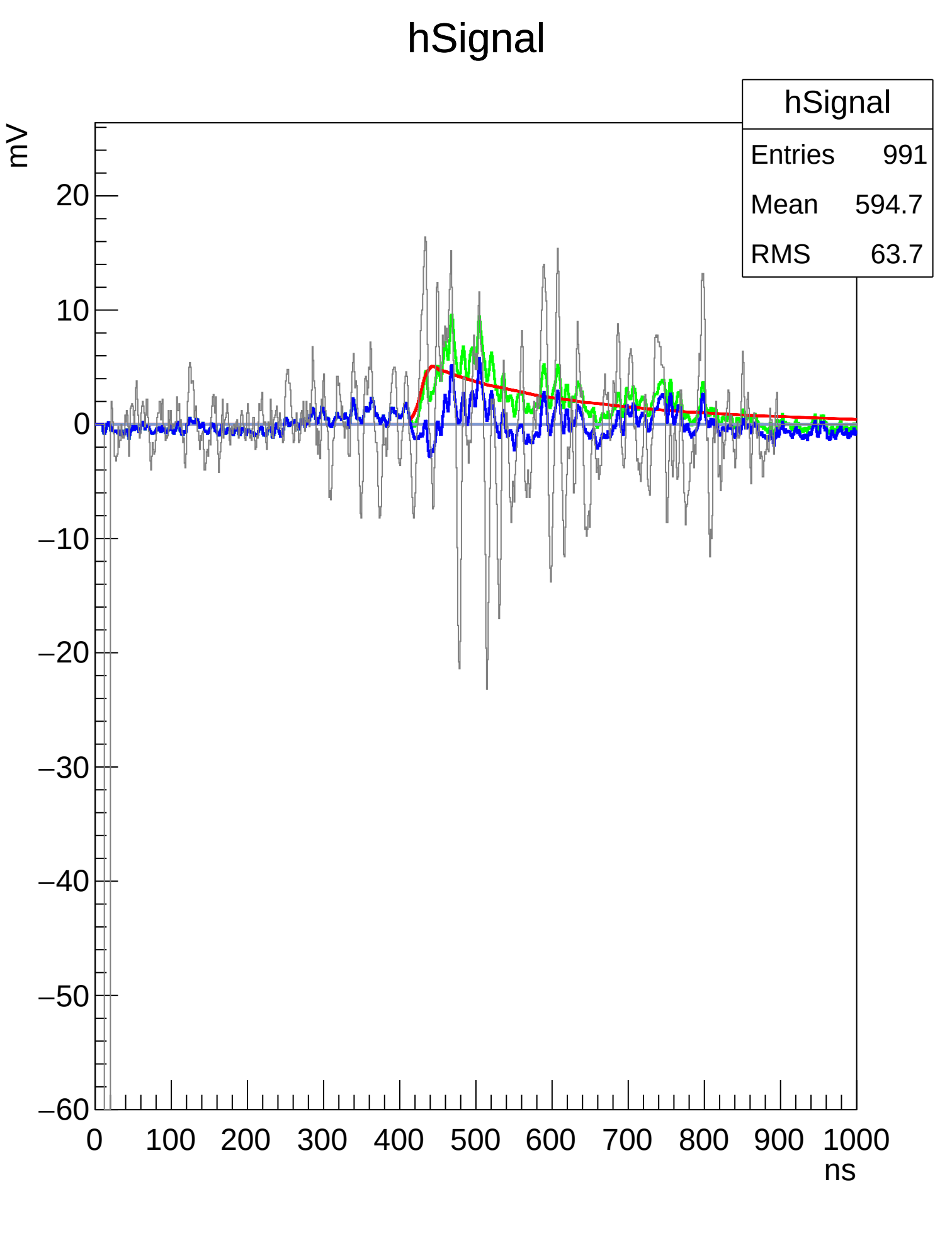
600
700
800
900
1000
ns

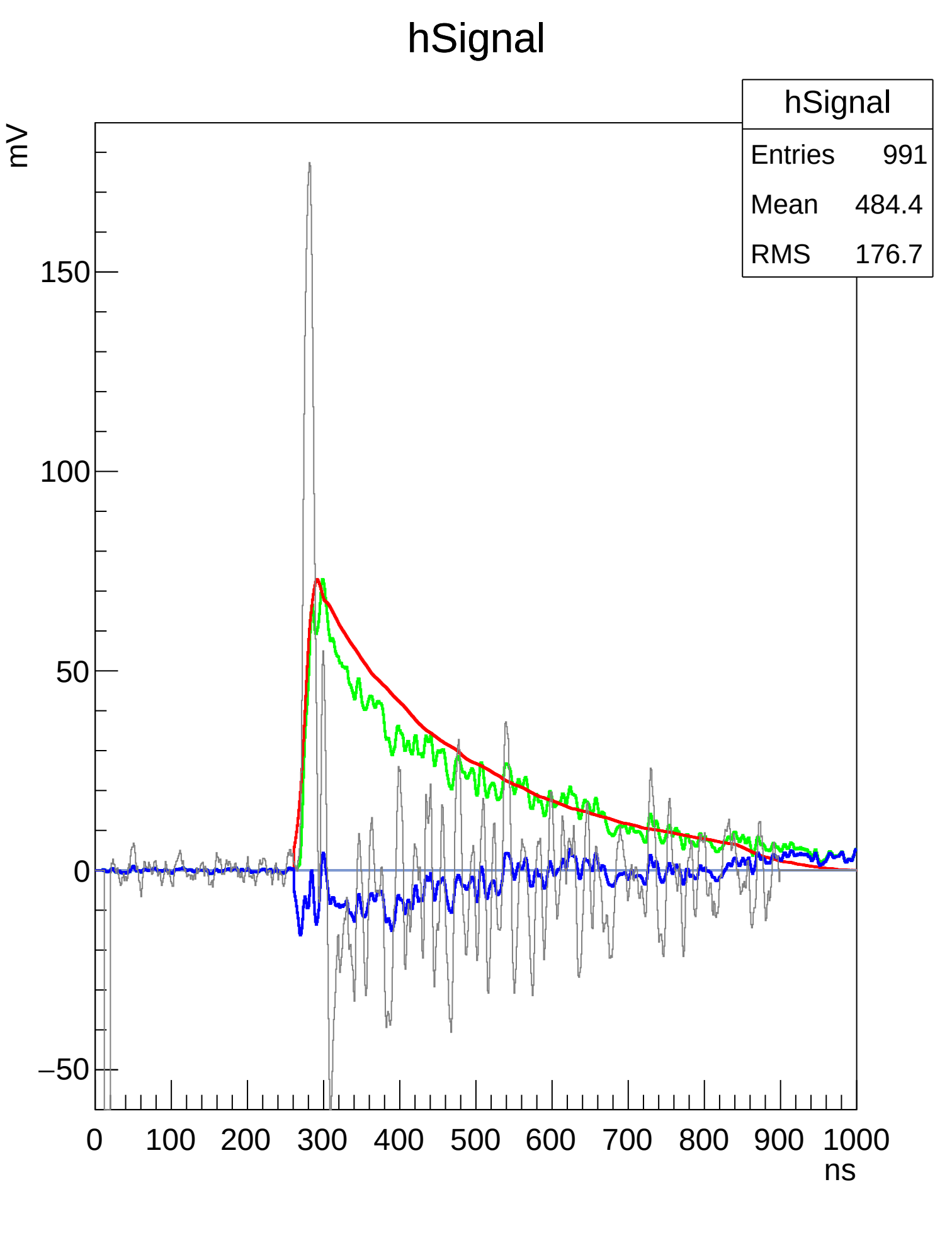

hSignal
hSignal
Entries 991
Mean 600.1
RMS 113.1
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 596.9
RMS 206.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 489.2
RMS 178.5
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 481
RMS 166.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 594.7
RMS 63.7
mV
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 484.4
RMS 176.7
mV
150
100
50
0
−50
0
100
200
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400
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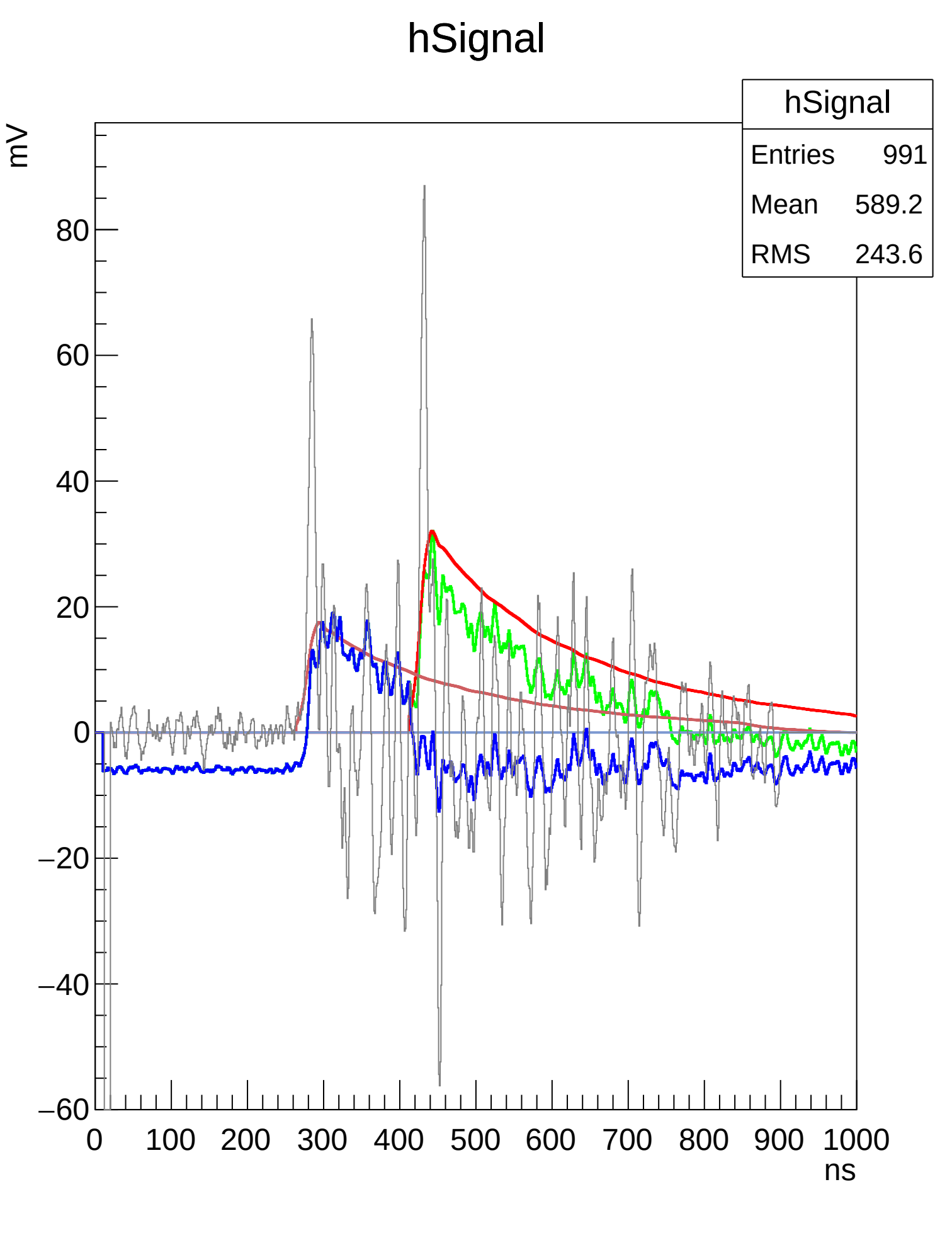
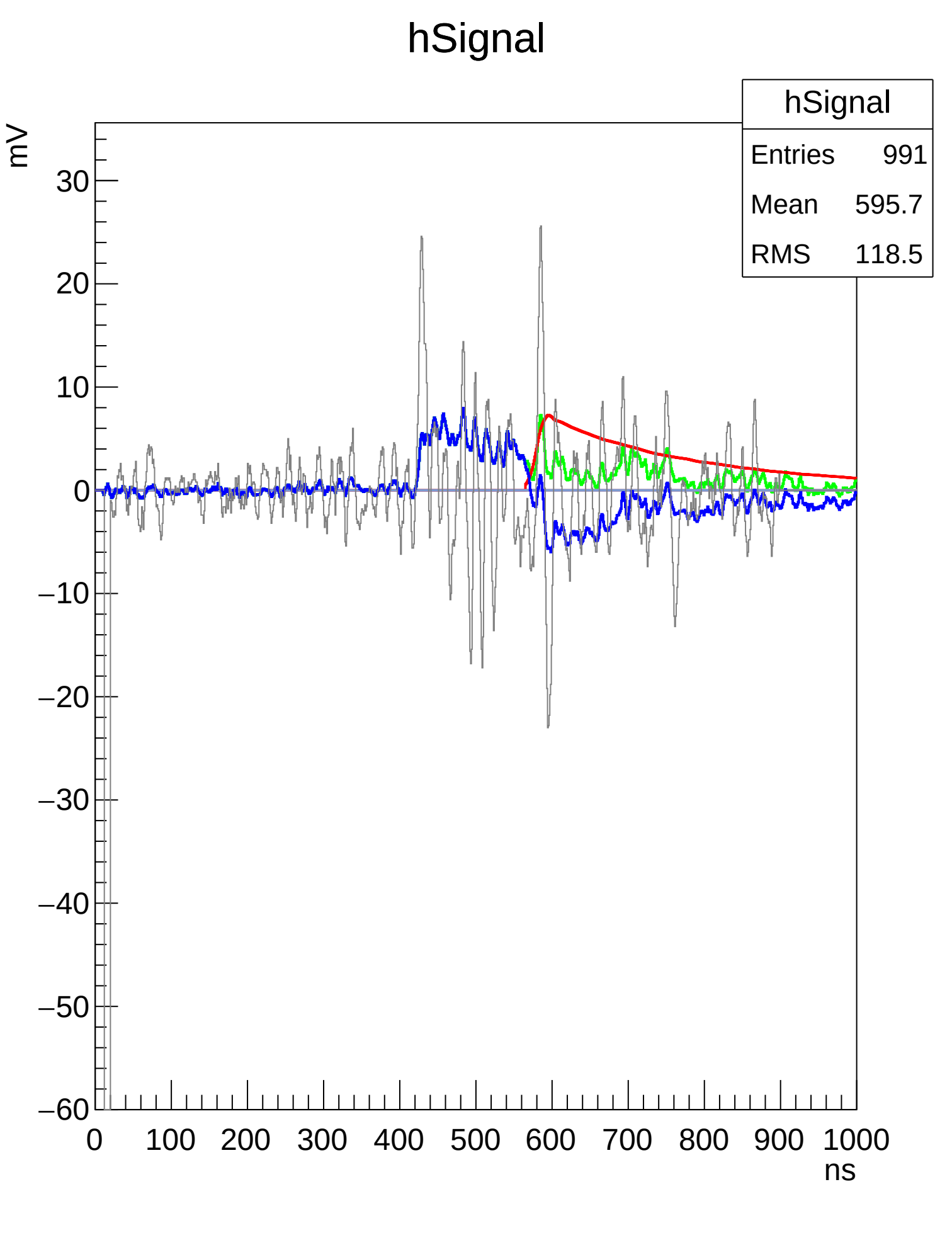
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589.2
RMS 243.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 595.7
RMS 118.5
mV
30
20
10
0
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−20
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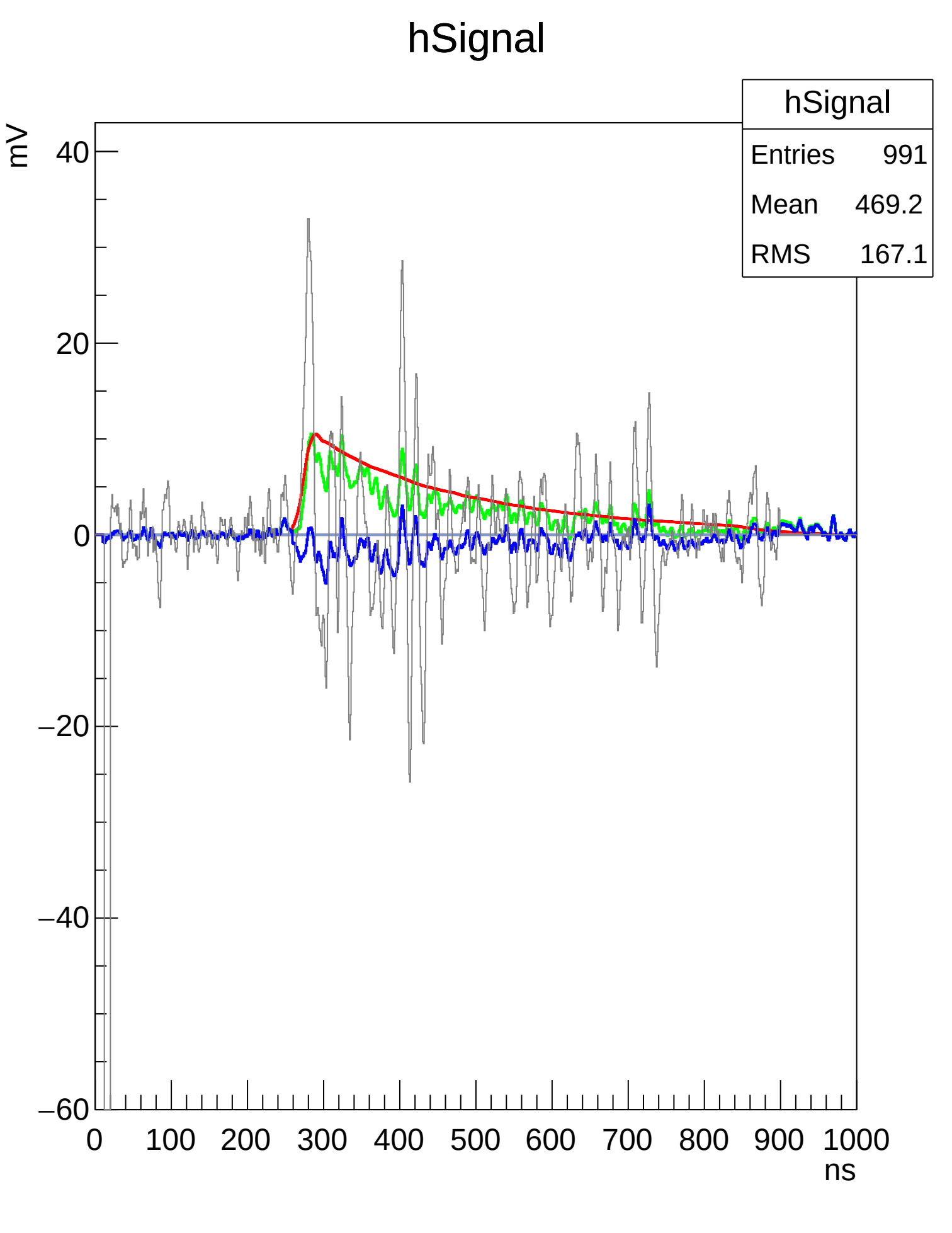
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 469.2
RMS 167.1
mV
40
20
0
−20
−40
−60
0
100
200
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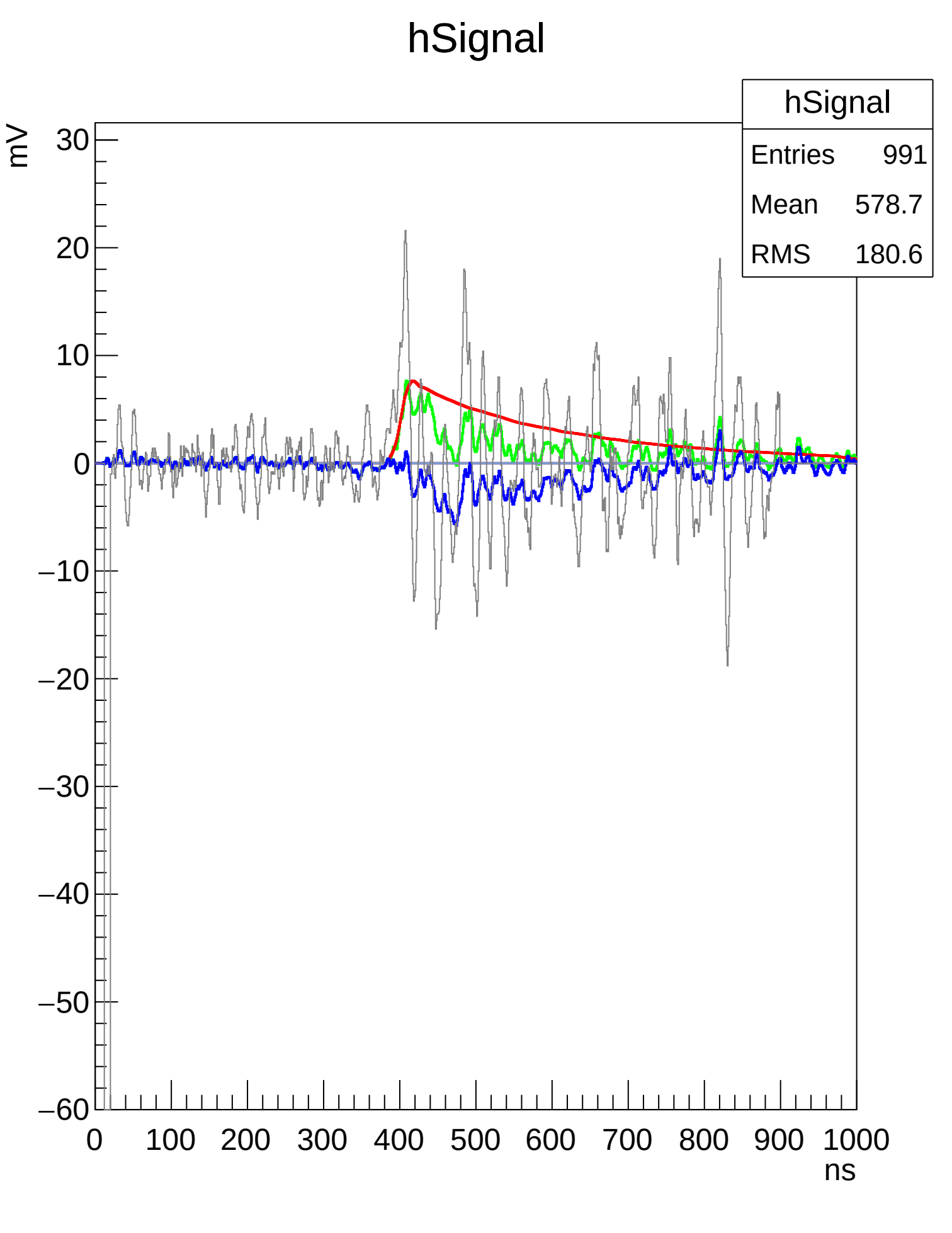
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 578.7
RMS 180.6
mV
30
20
10
0
−10
−20
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−40
−50
−60
0
100
200
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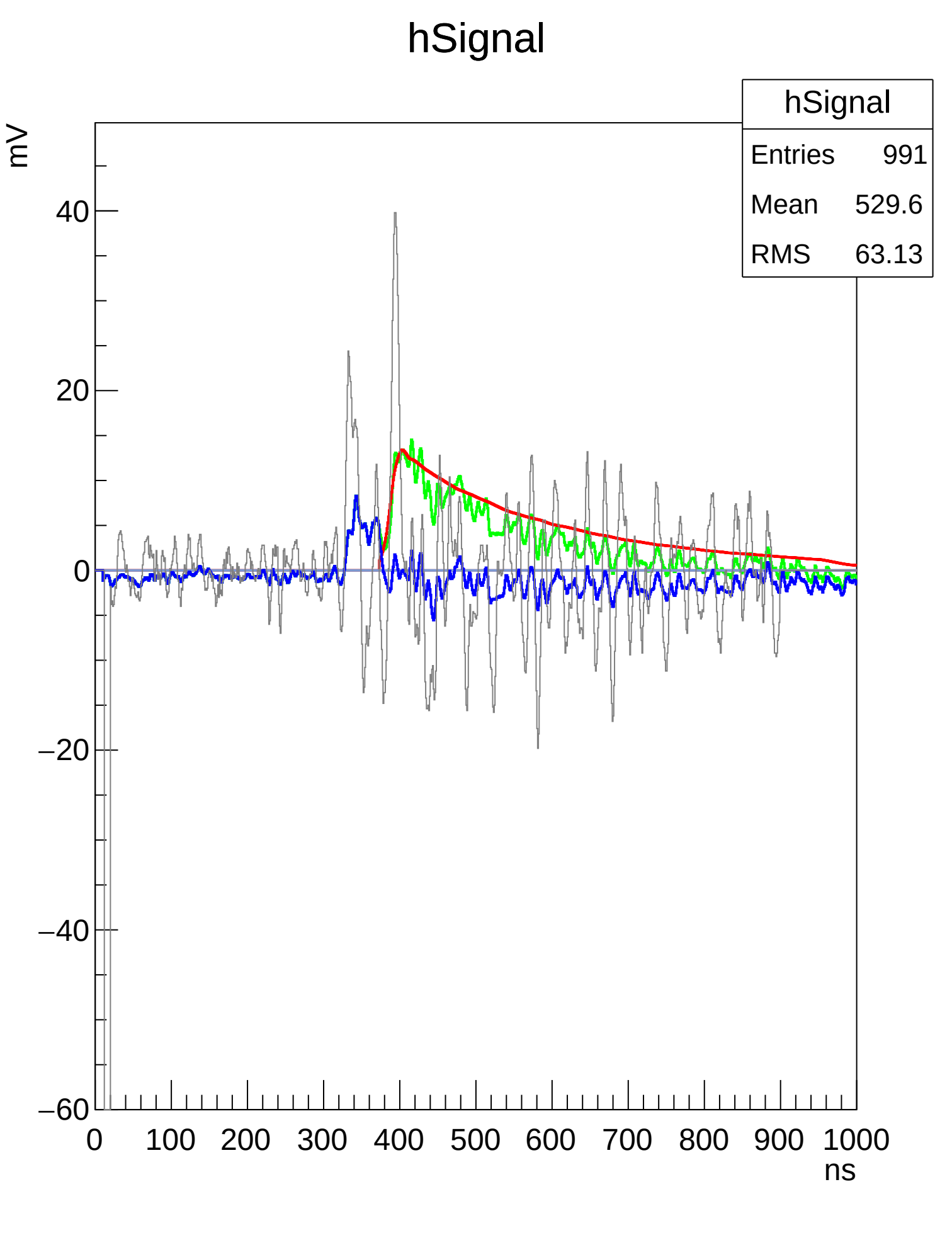
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 529.6
RMS 63.13
mV
40
20
0
−20
−40
−60
0
100
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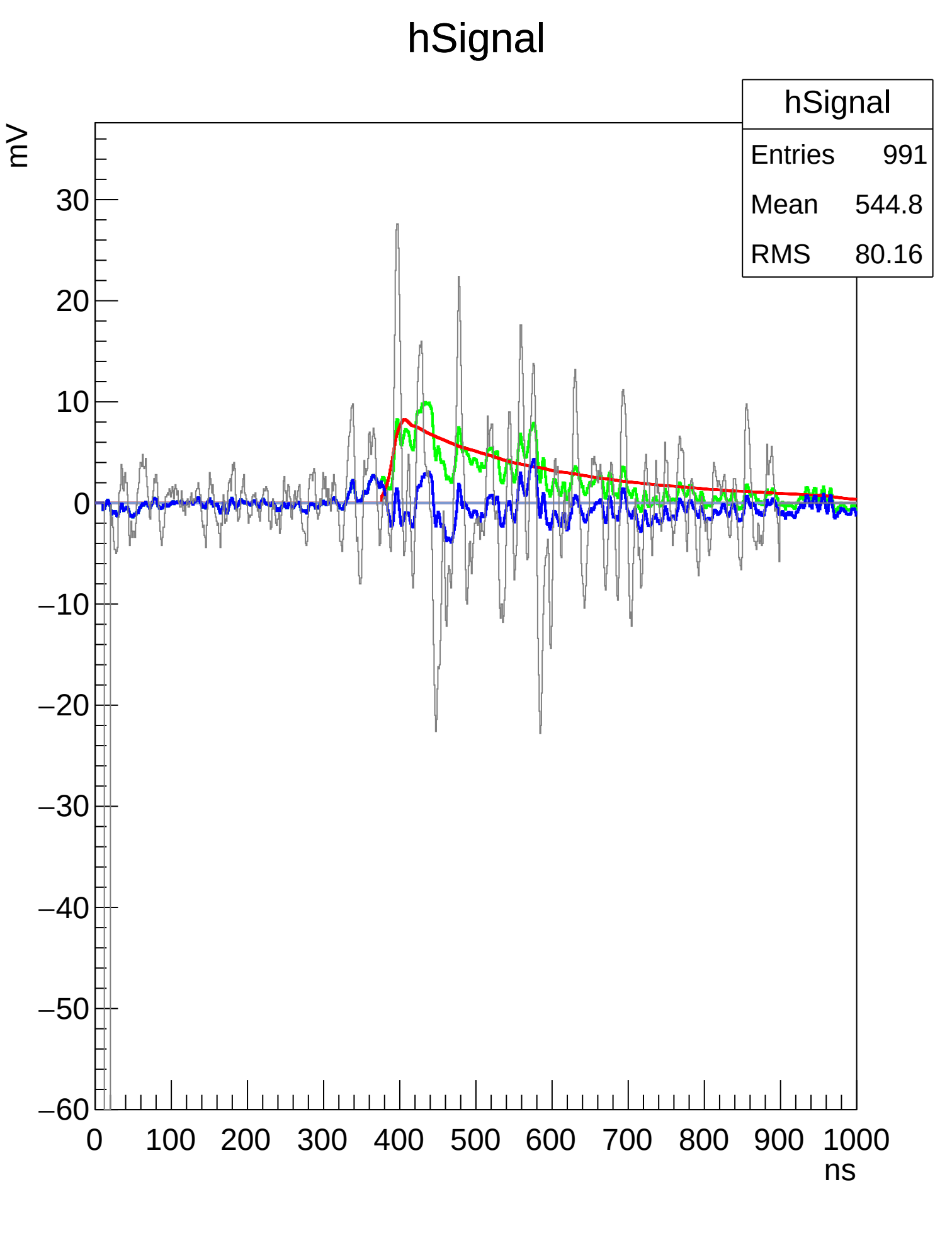
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 544.8
RMS 80.16
mV
30
20
10
0
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−40
−50
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0
100
200
300
400
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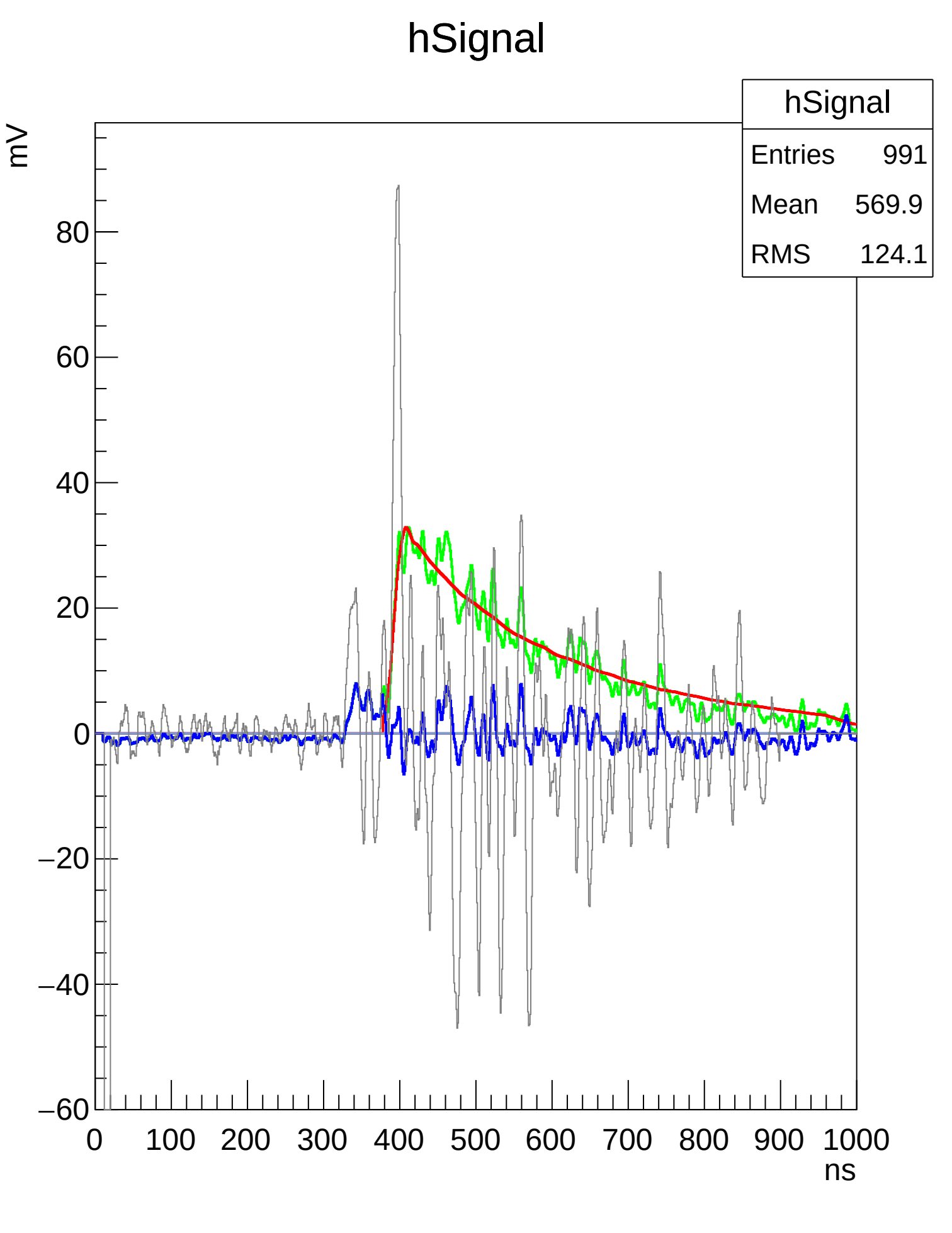
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 569.9
RMS 124.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
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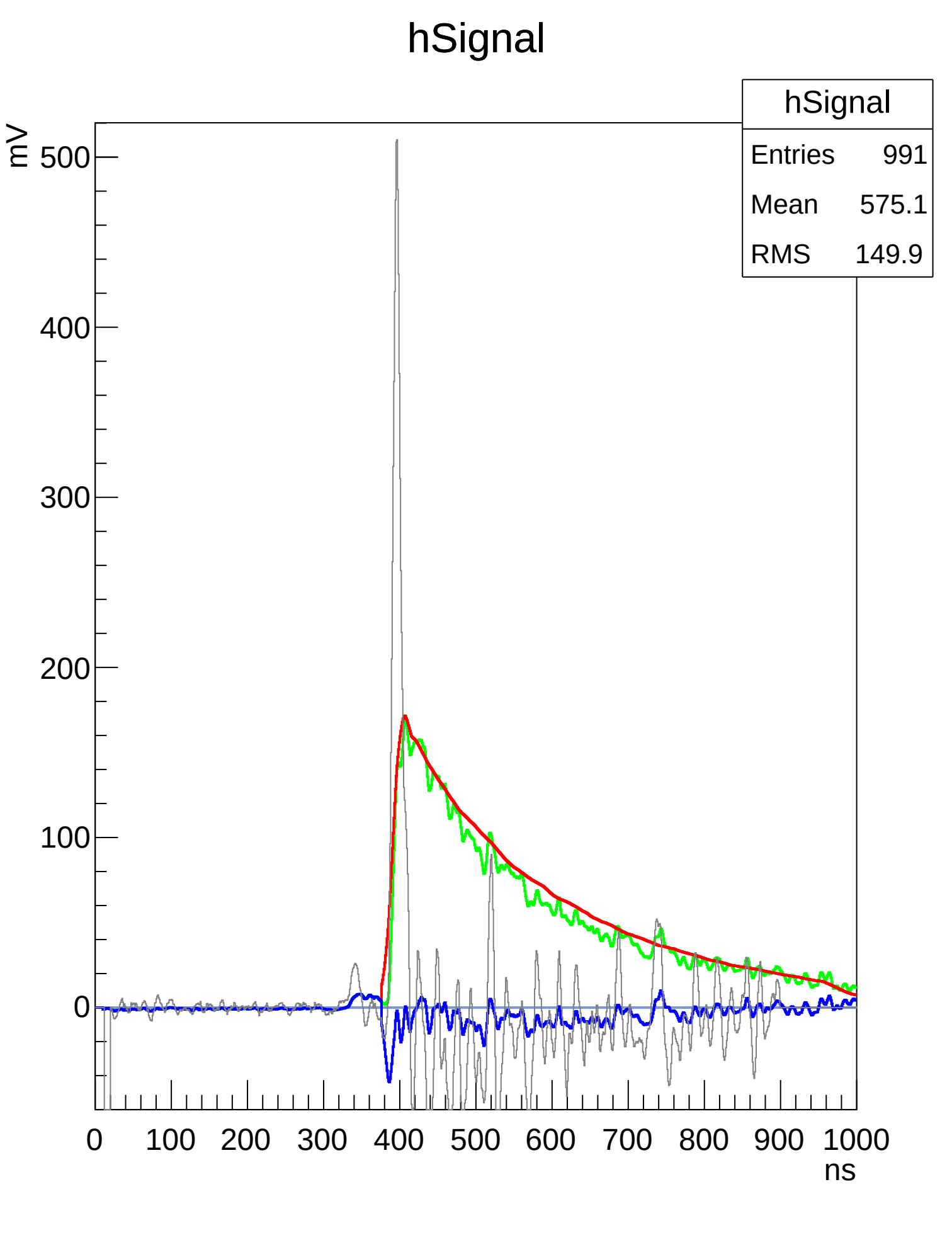
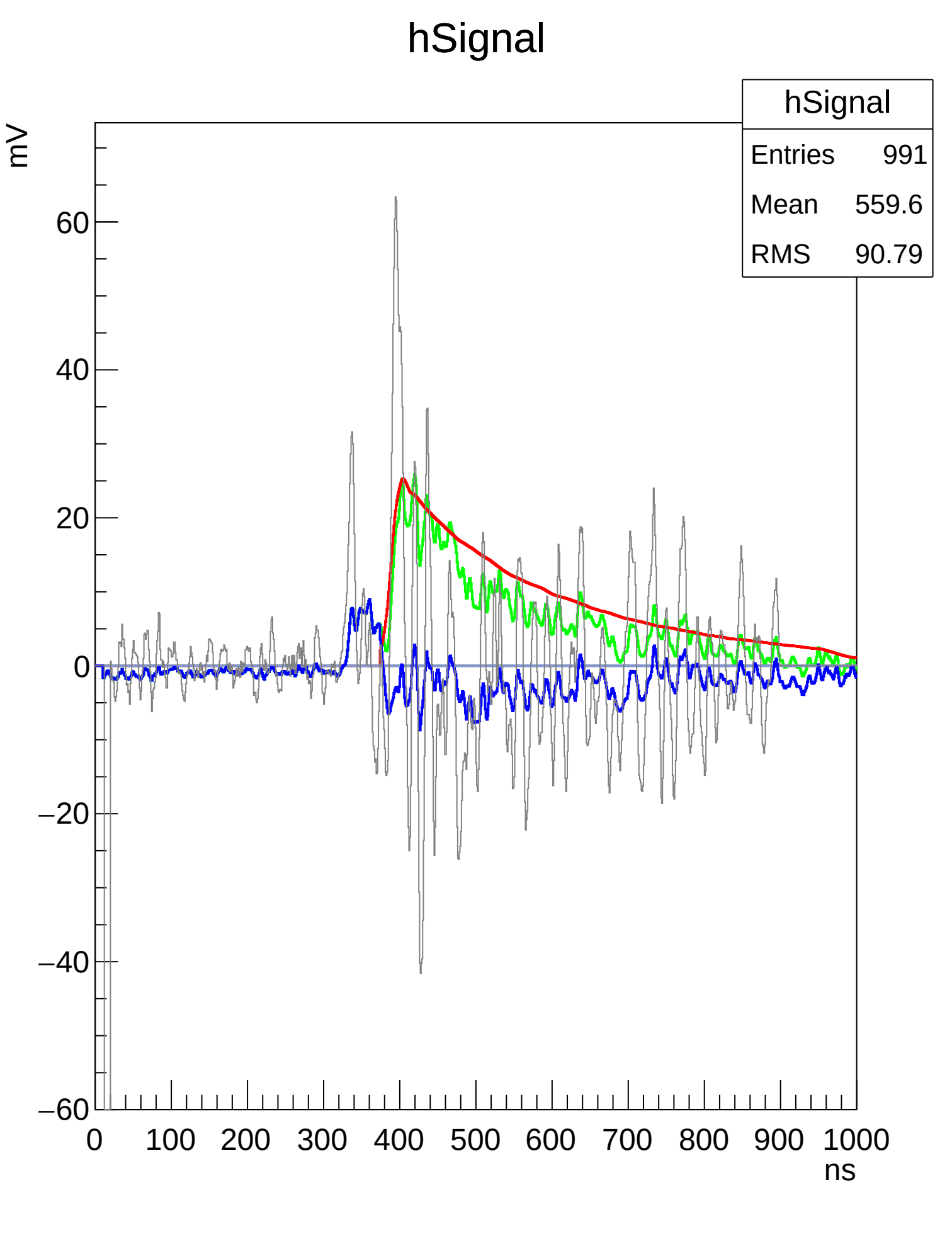
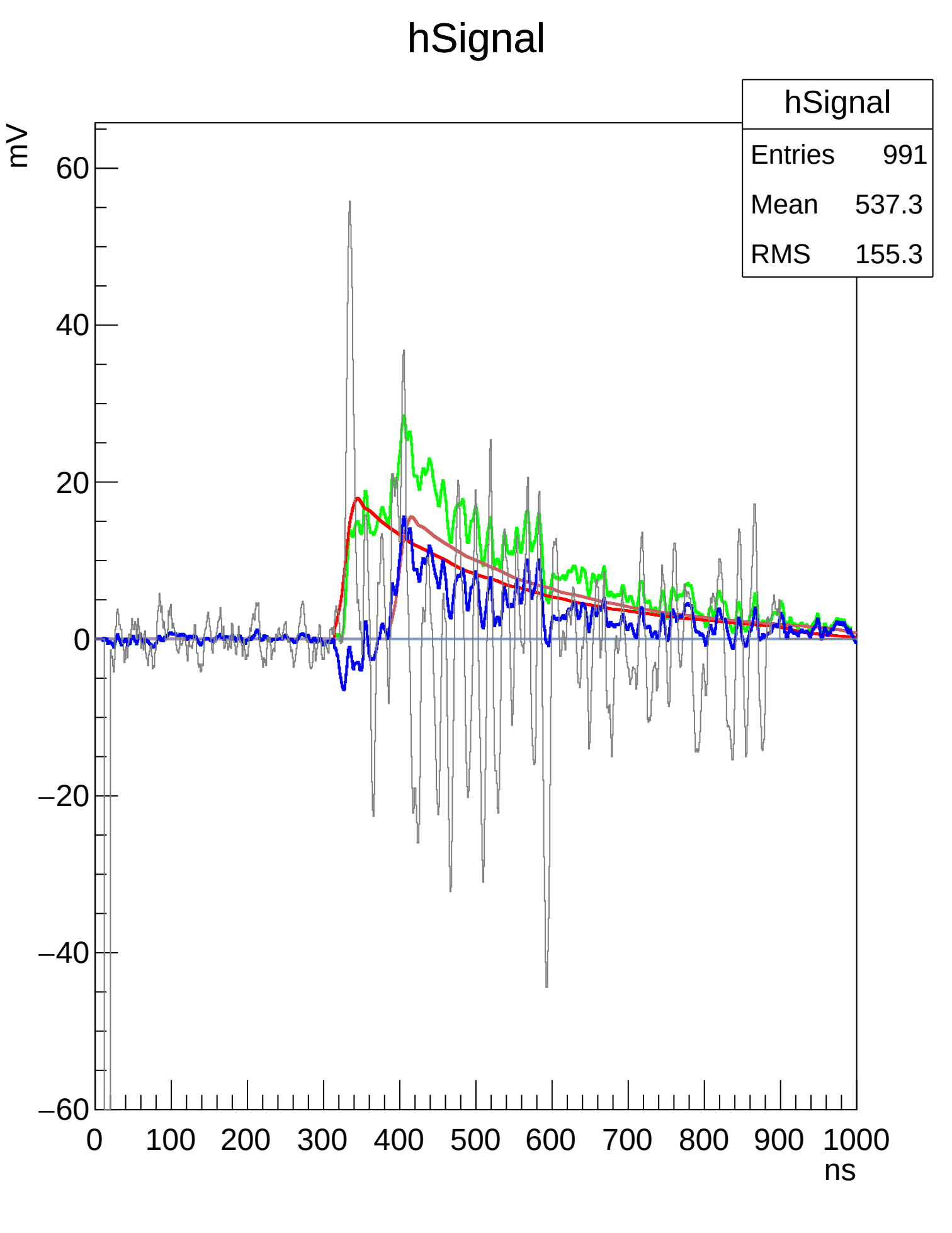
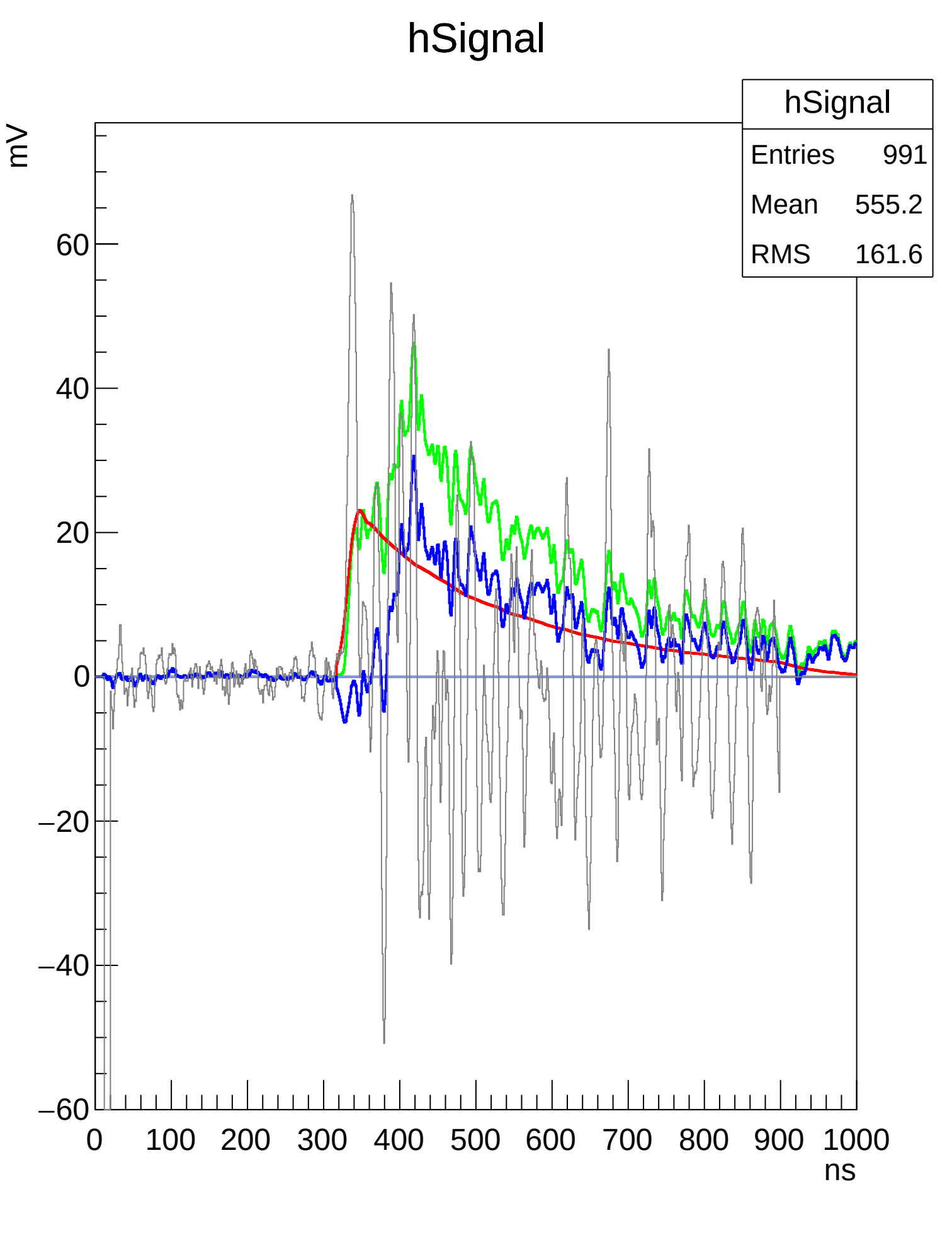
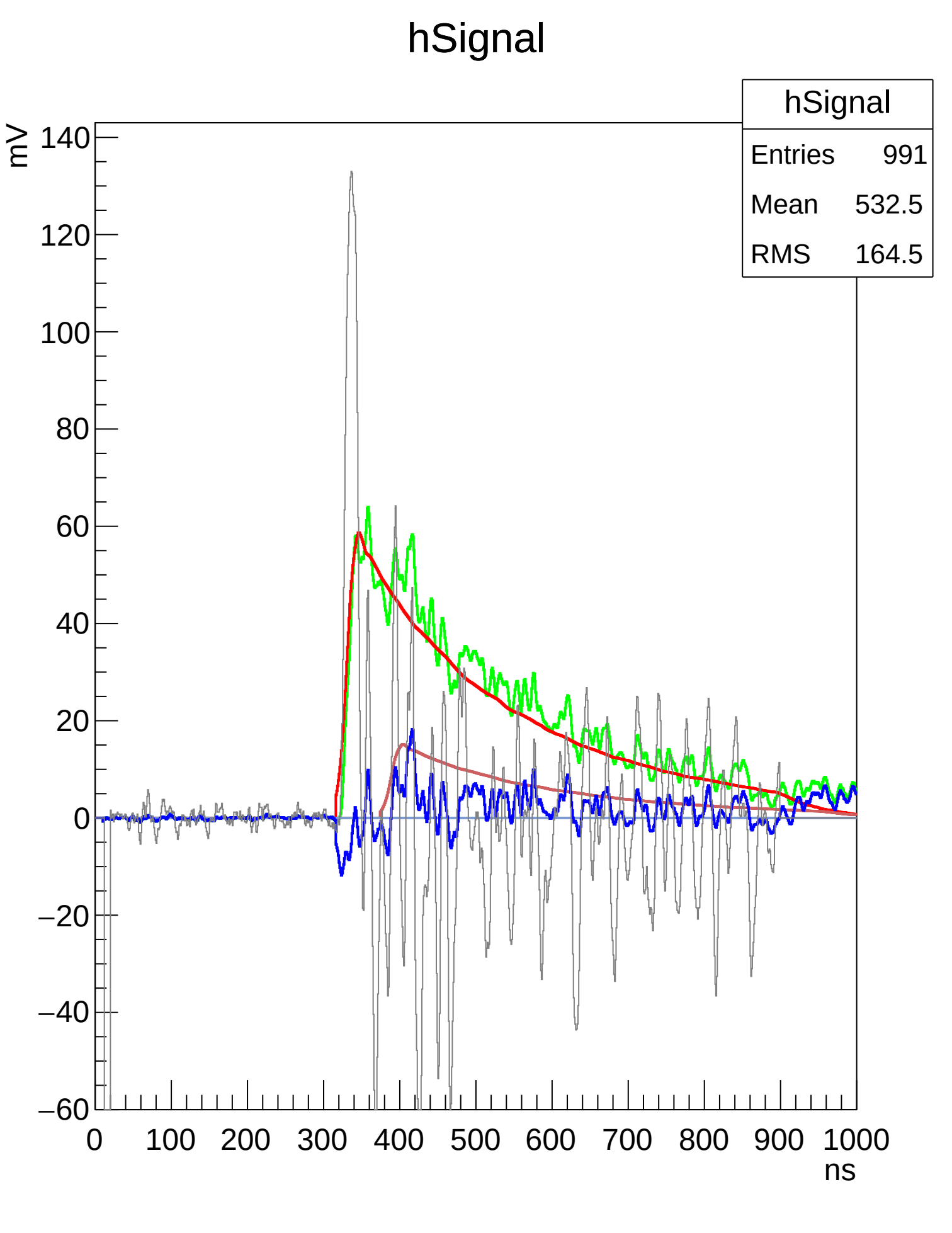
400
500
600
700
800
900
1000
ns

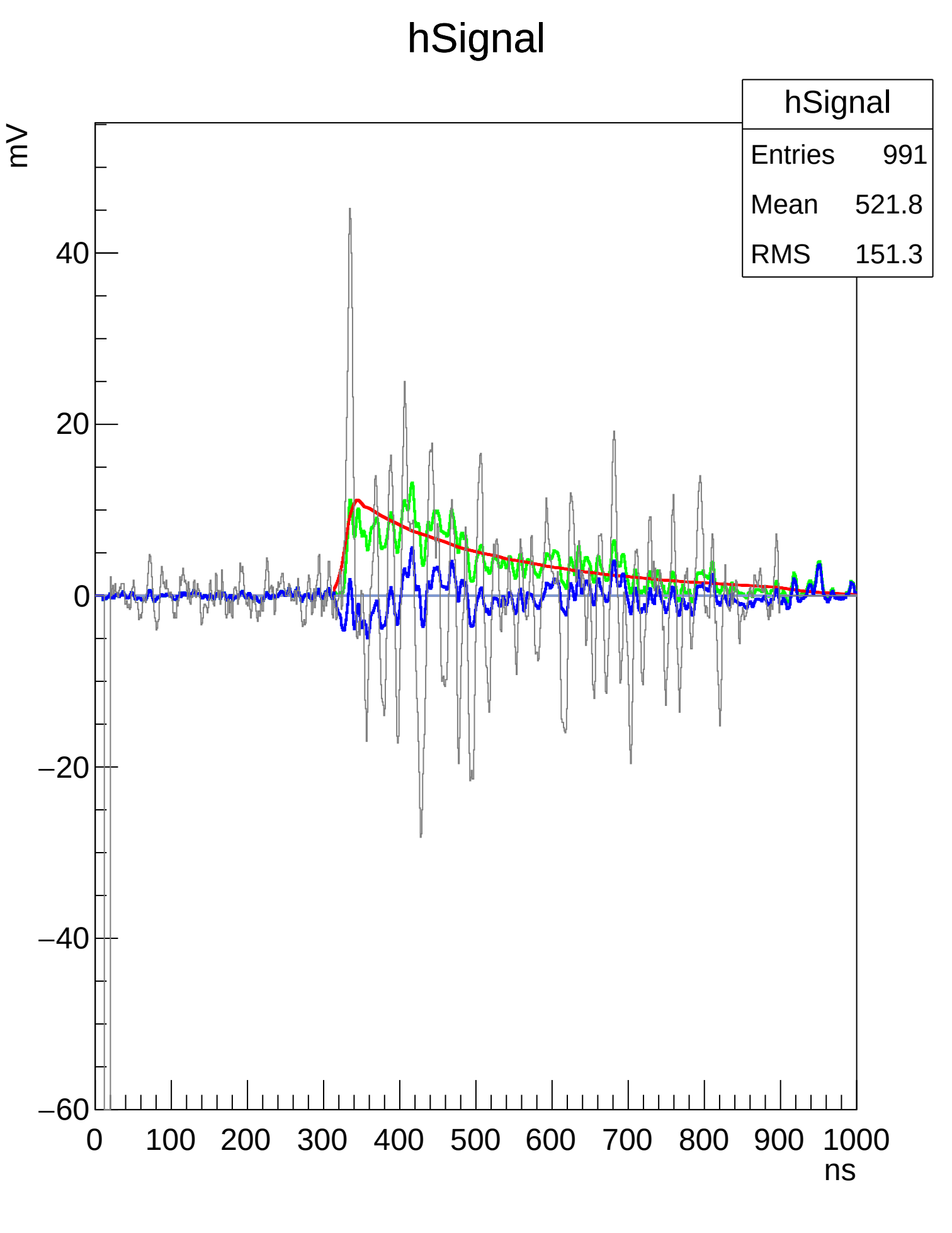

hSignal
hSignal
Entries 991
Mean 575.1
RMS 149.9
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 559.6
RMS 90.79
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 537.3
RMS 155.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 555.2
RMS 161.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 532.5
RMS 164.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 521.8
RMS 151.3
mV
40
20
0
−20
−40
−60
0
100
200
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400
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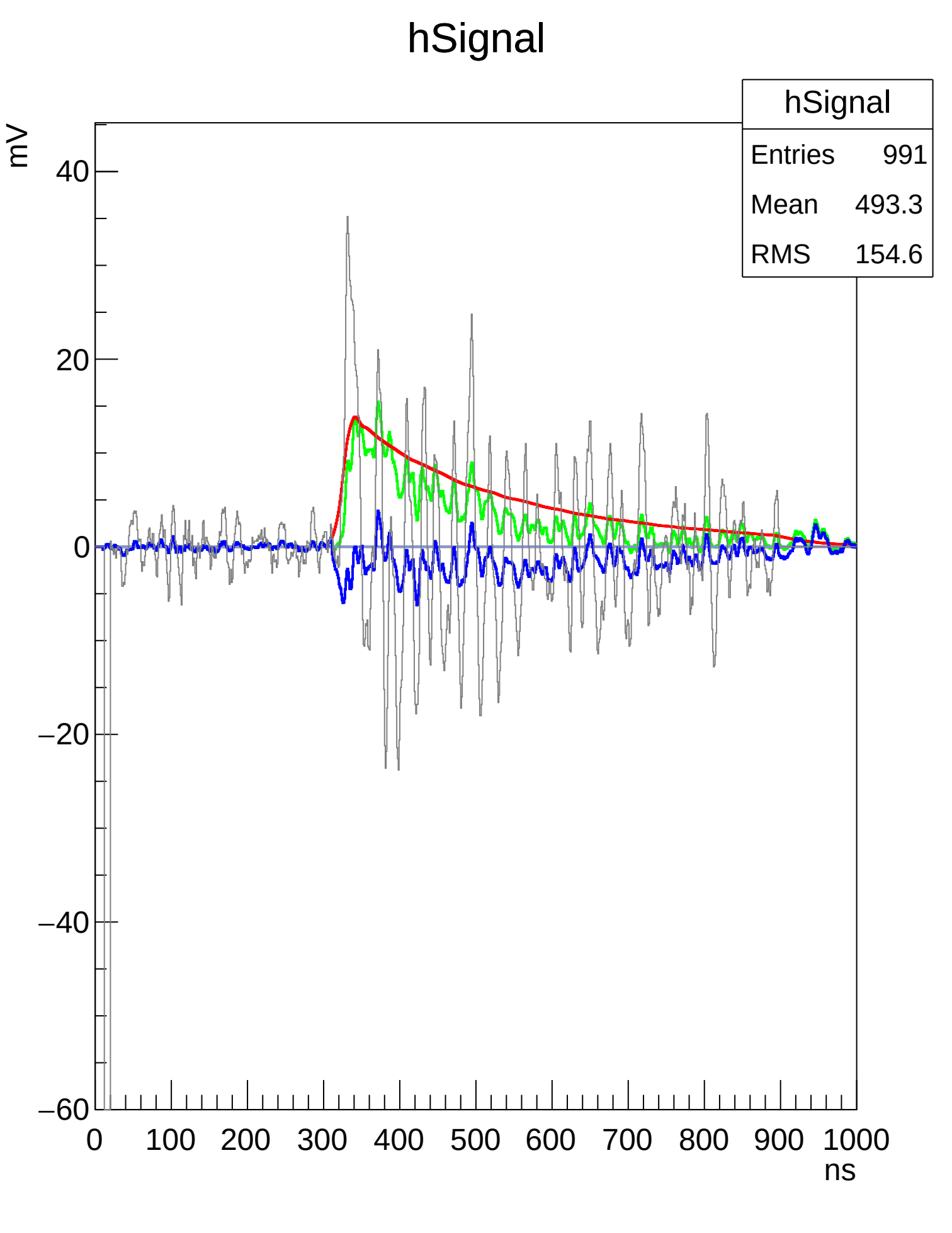
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 493.3
RMS 154.6
mV
40
20
0
−20
−40
−60
0
100
200
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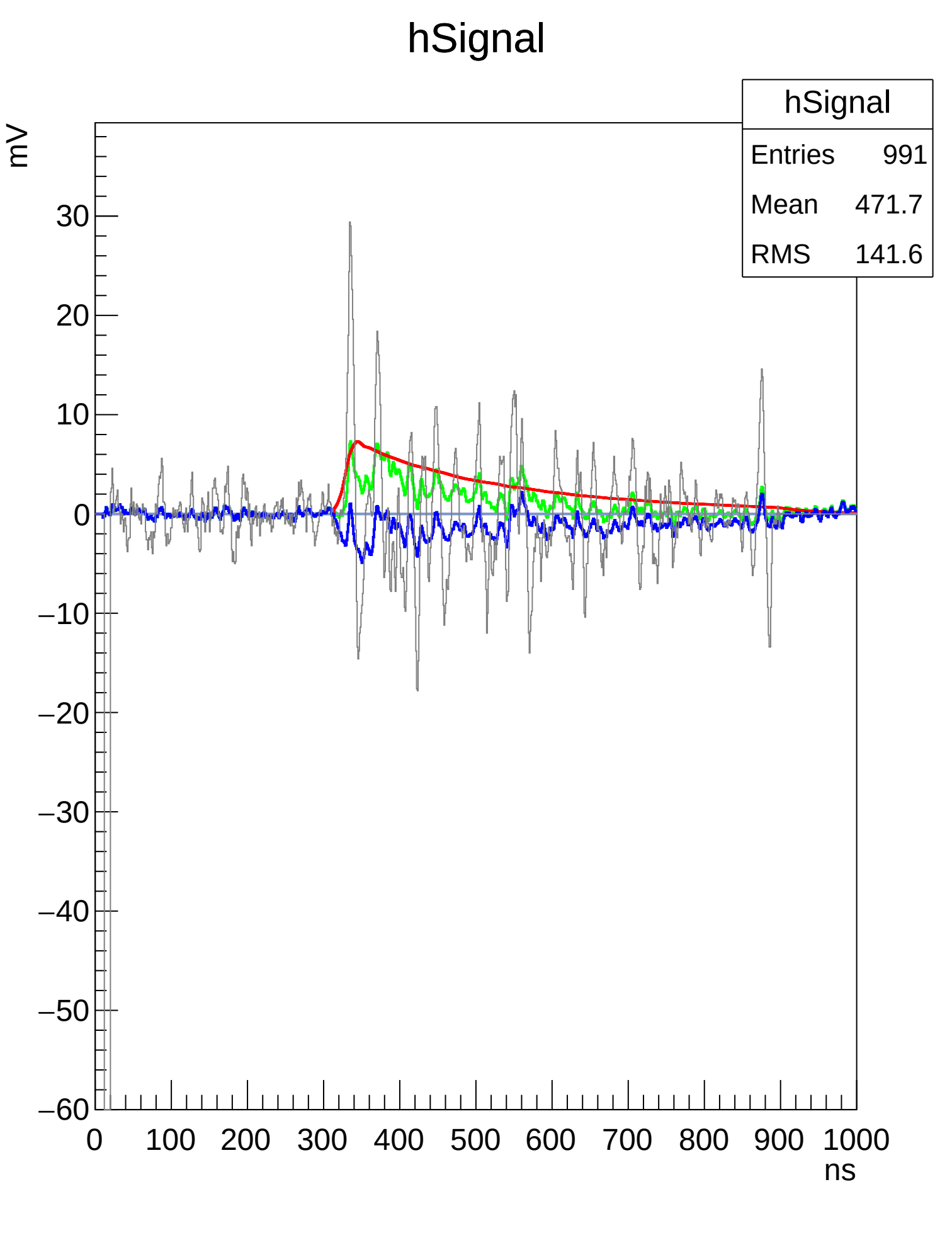
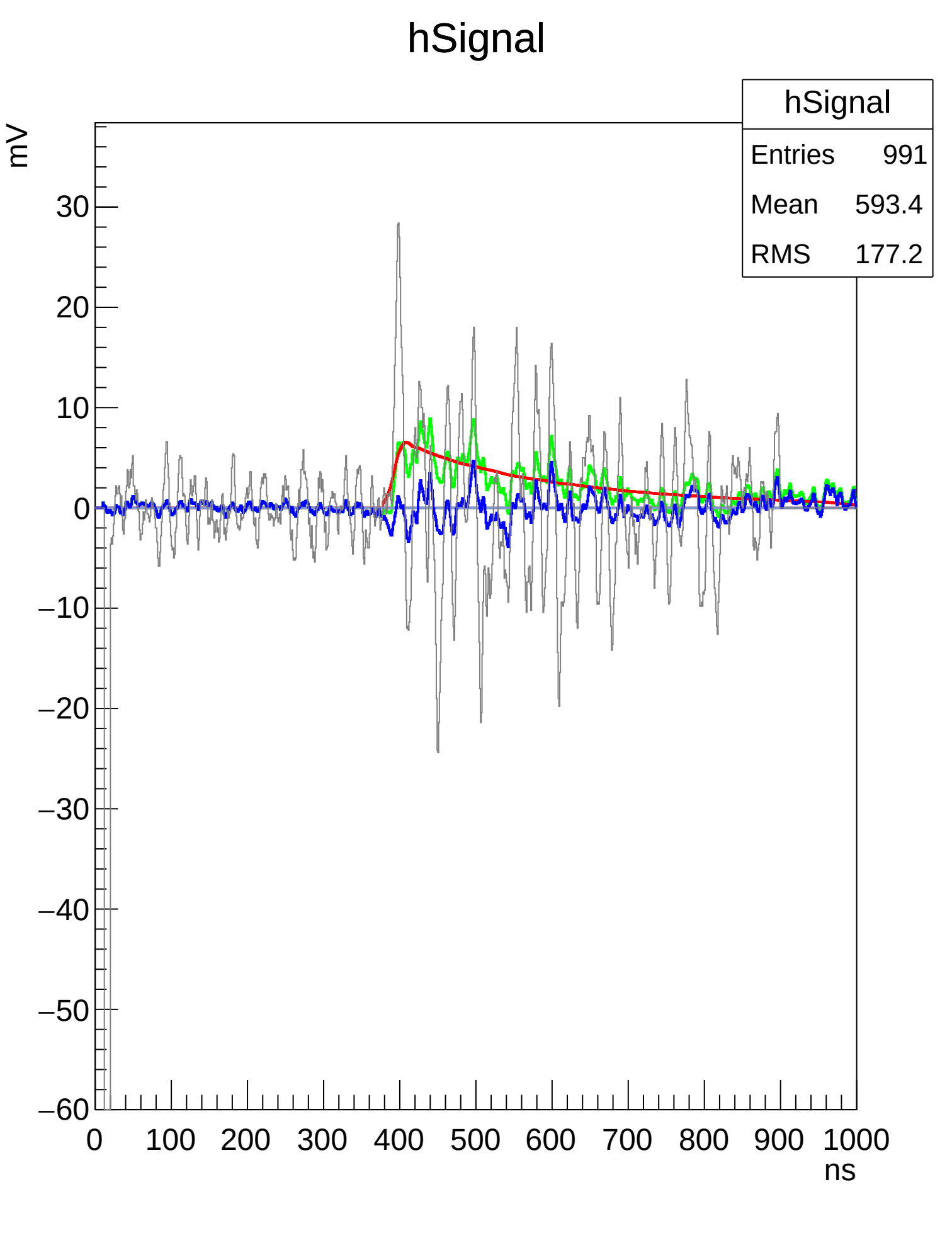
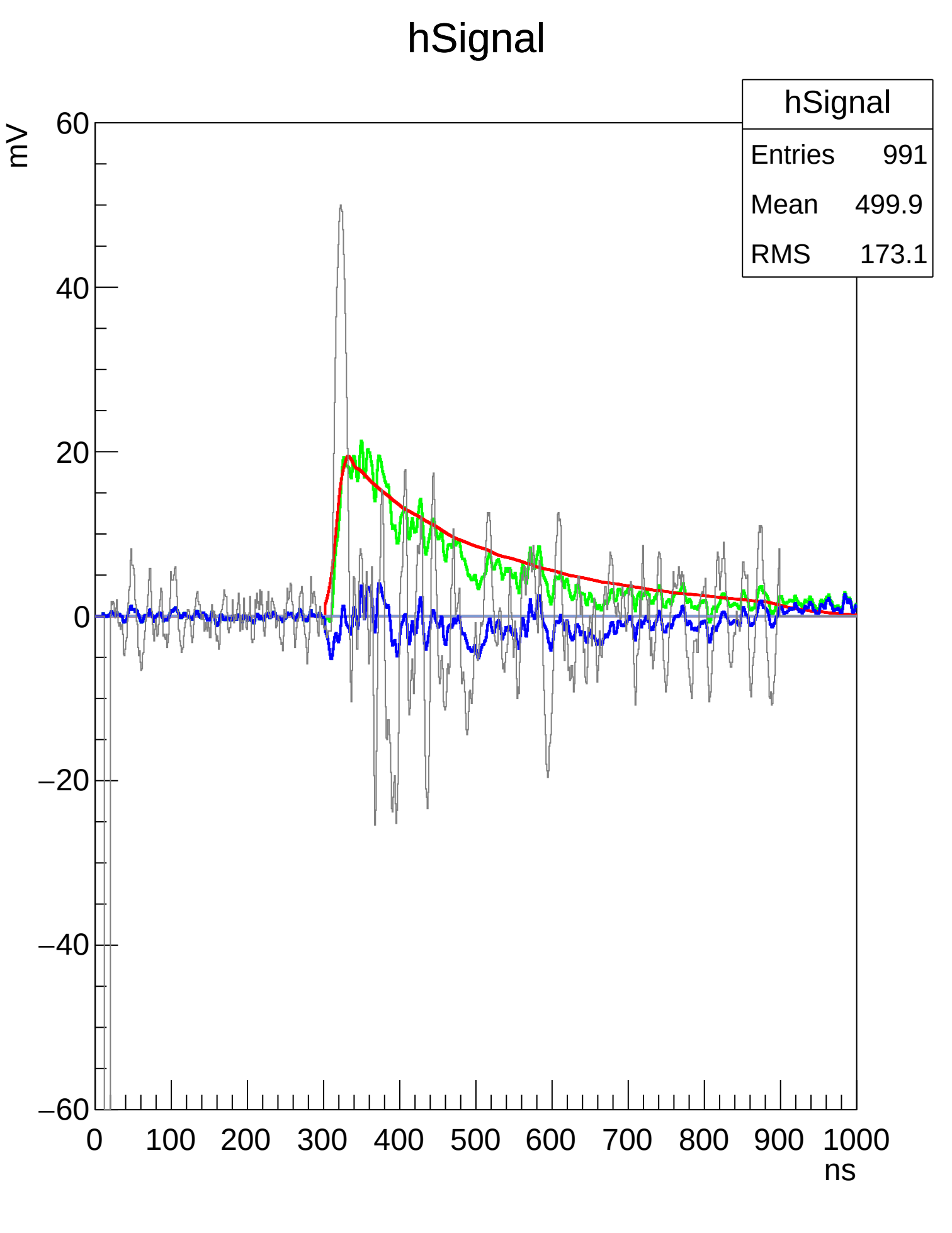
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 471.7
RMS 141.6
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 593.4
RMS 177.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 499.9
RMS 173.1
mV
60
40
20
0
−20
−40
−60
0
100
200
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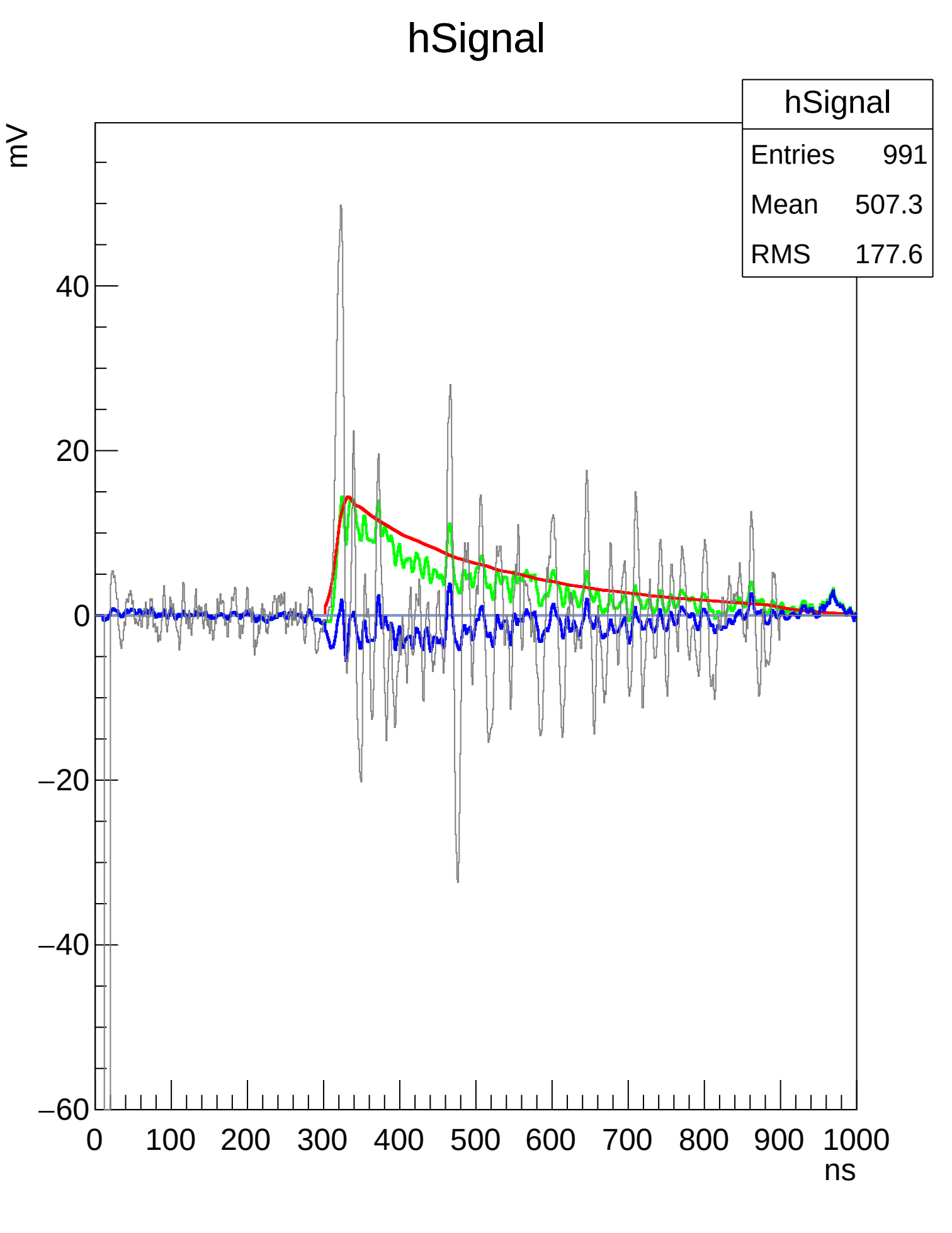
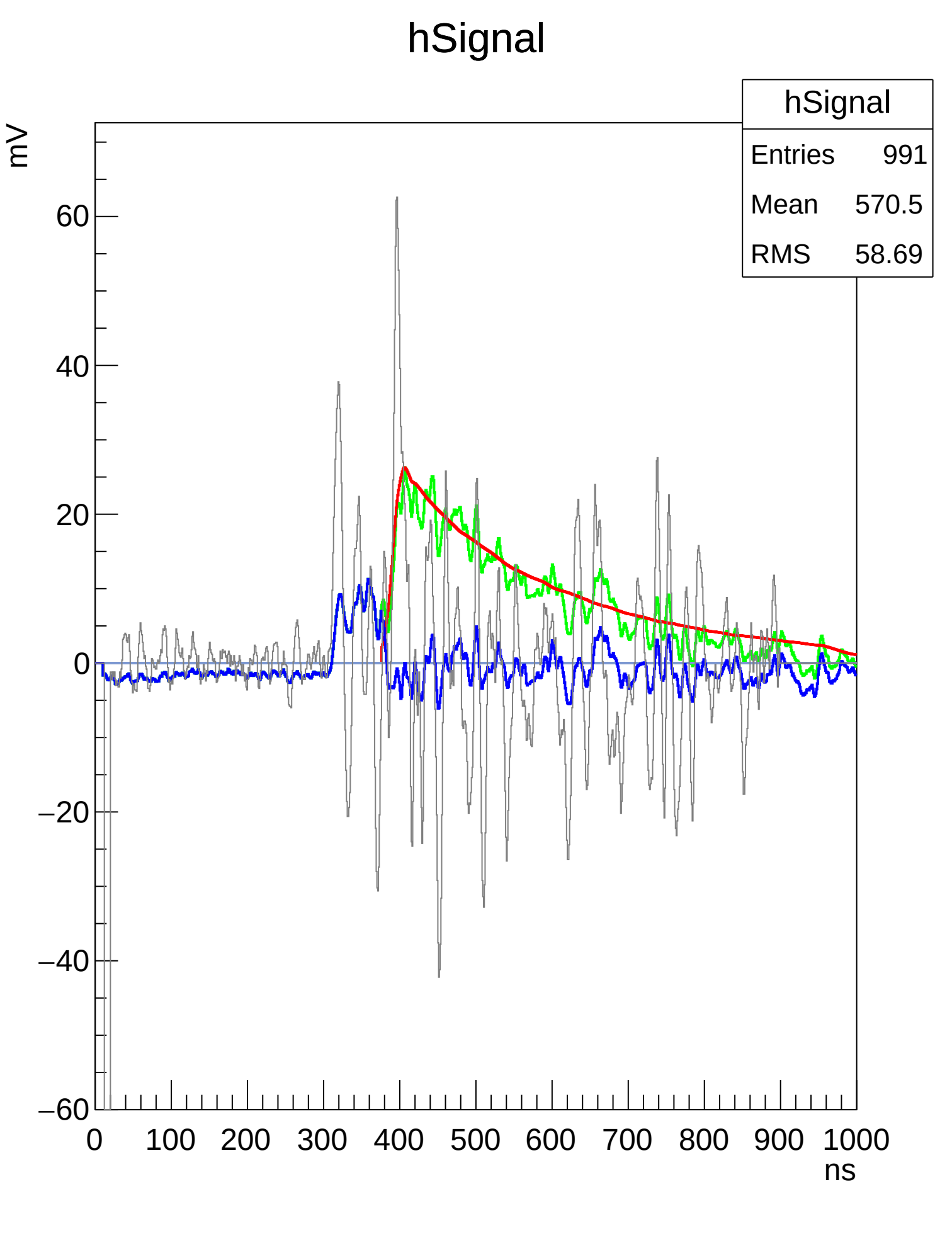
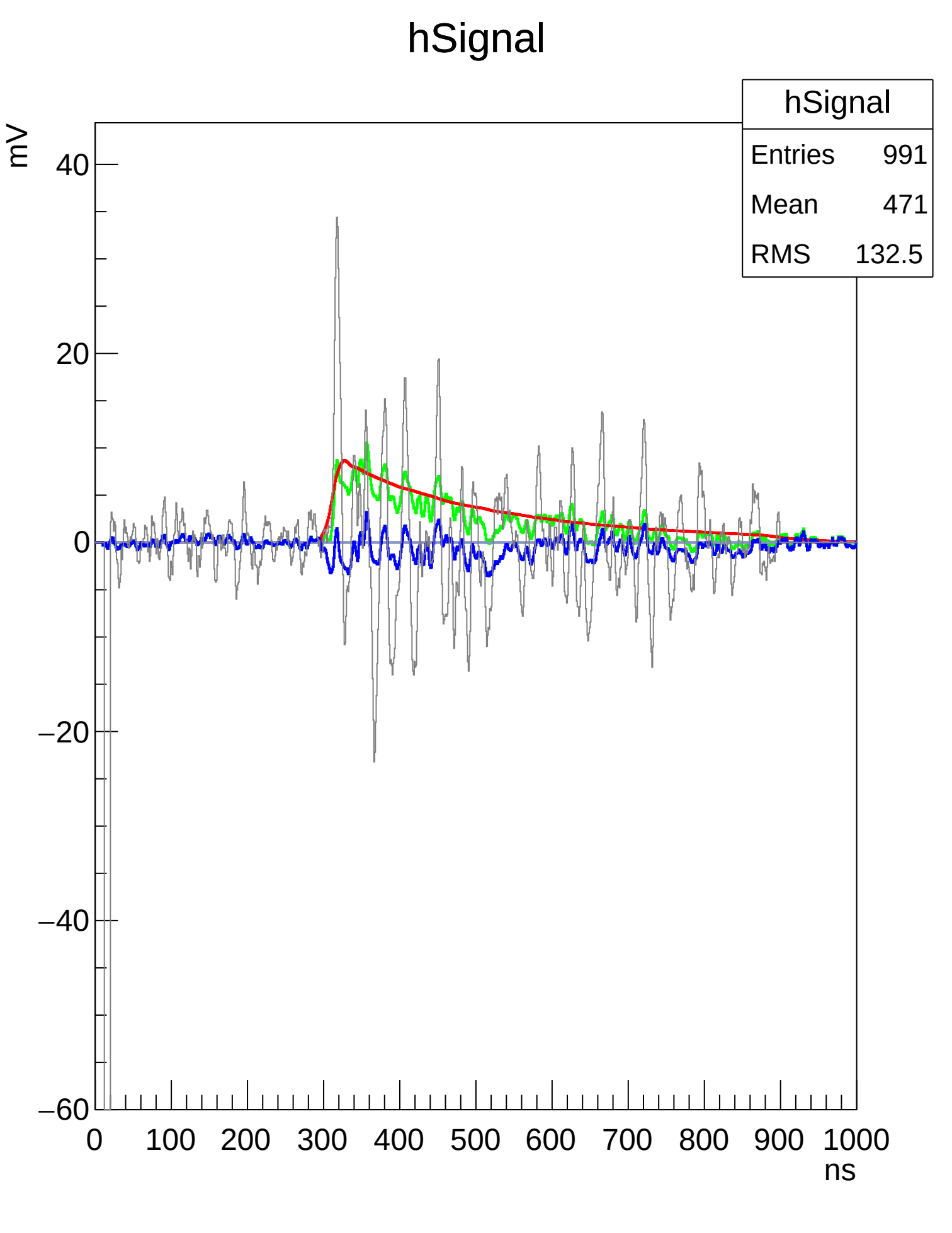
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 507.3
RMS 177.6
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570.5
RMS 58.69
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 471
RMS 132.5
mV
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20
0
−20
−40
−60
0
100
200
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400
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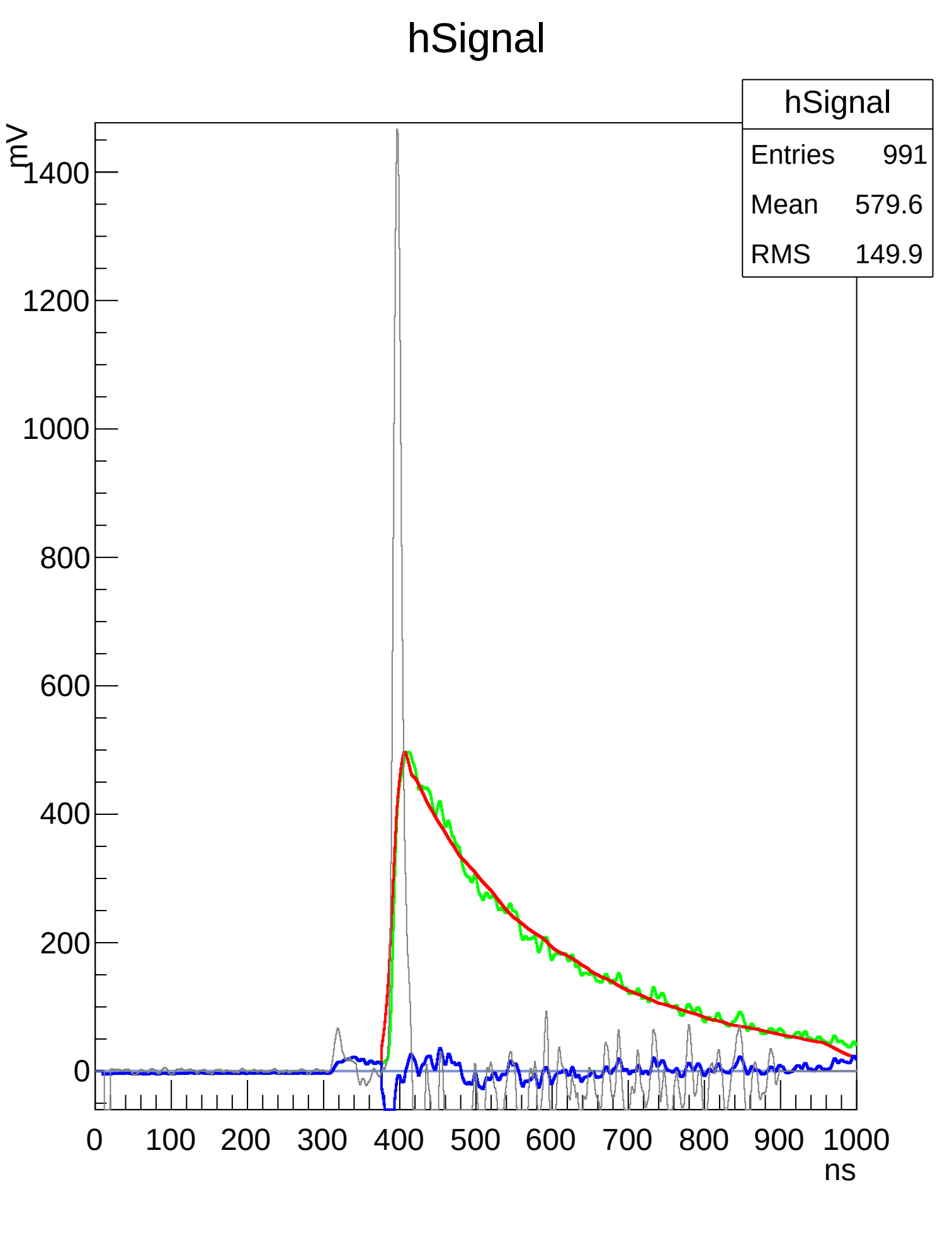
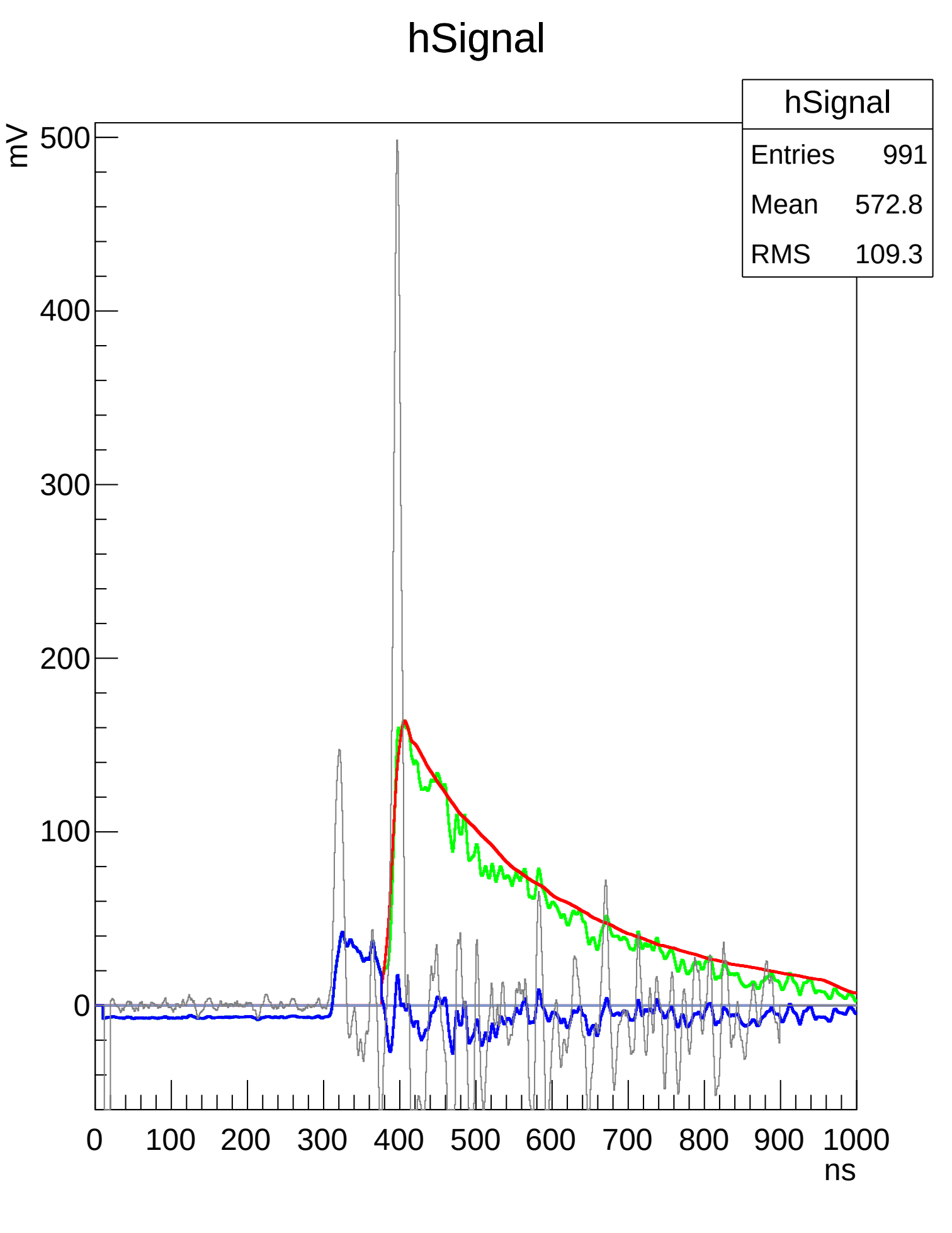
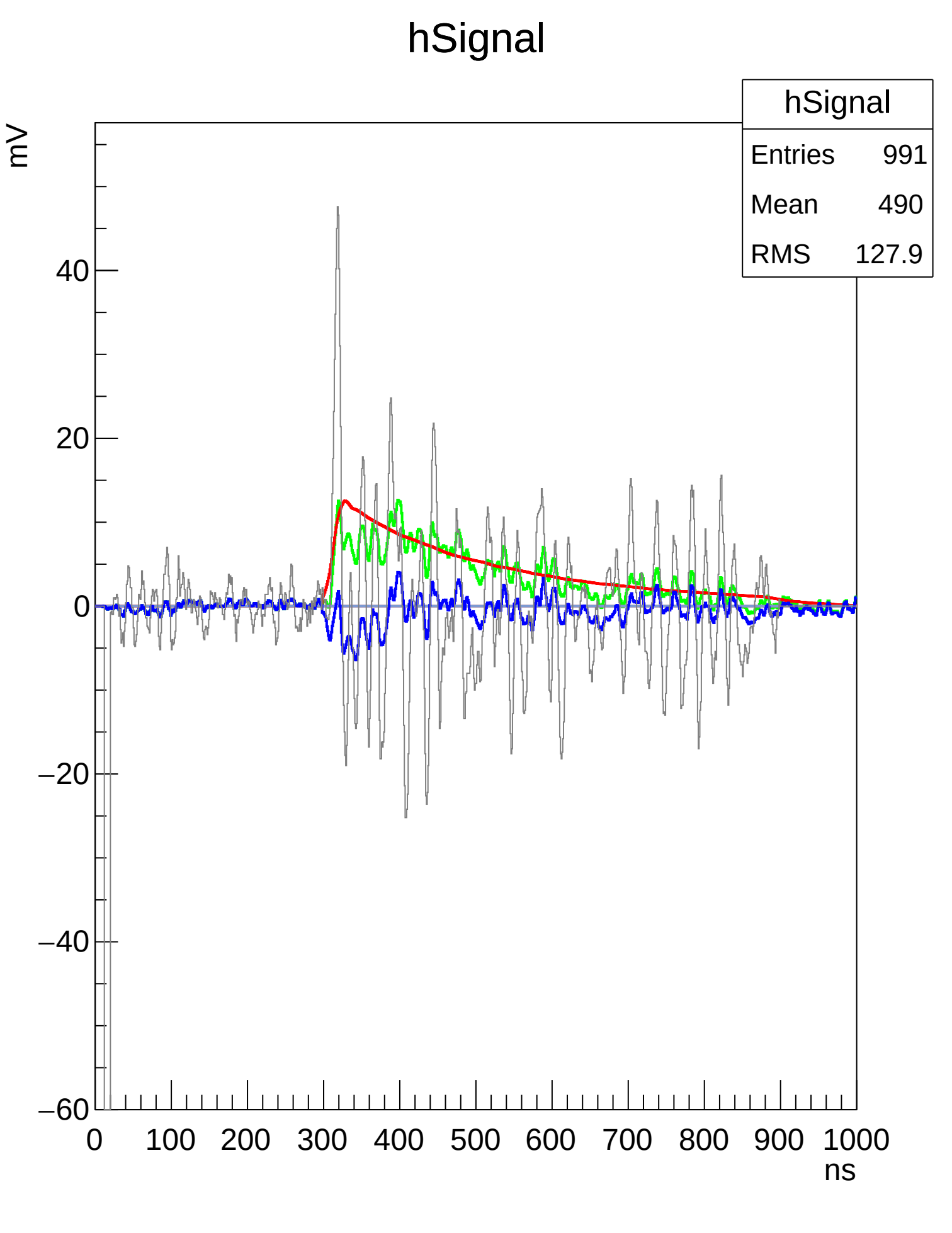
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 579.6
RMS 149.9
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 572.8
RMS 109.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 490
RMS 127.9
mV
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−20
−40
−60
0
100
200
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400
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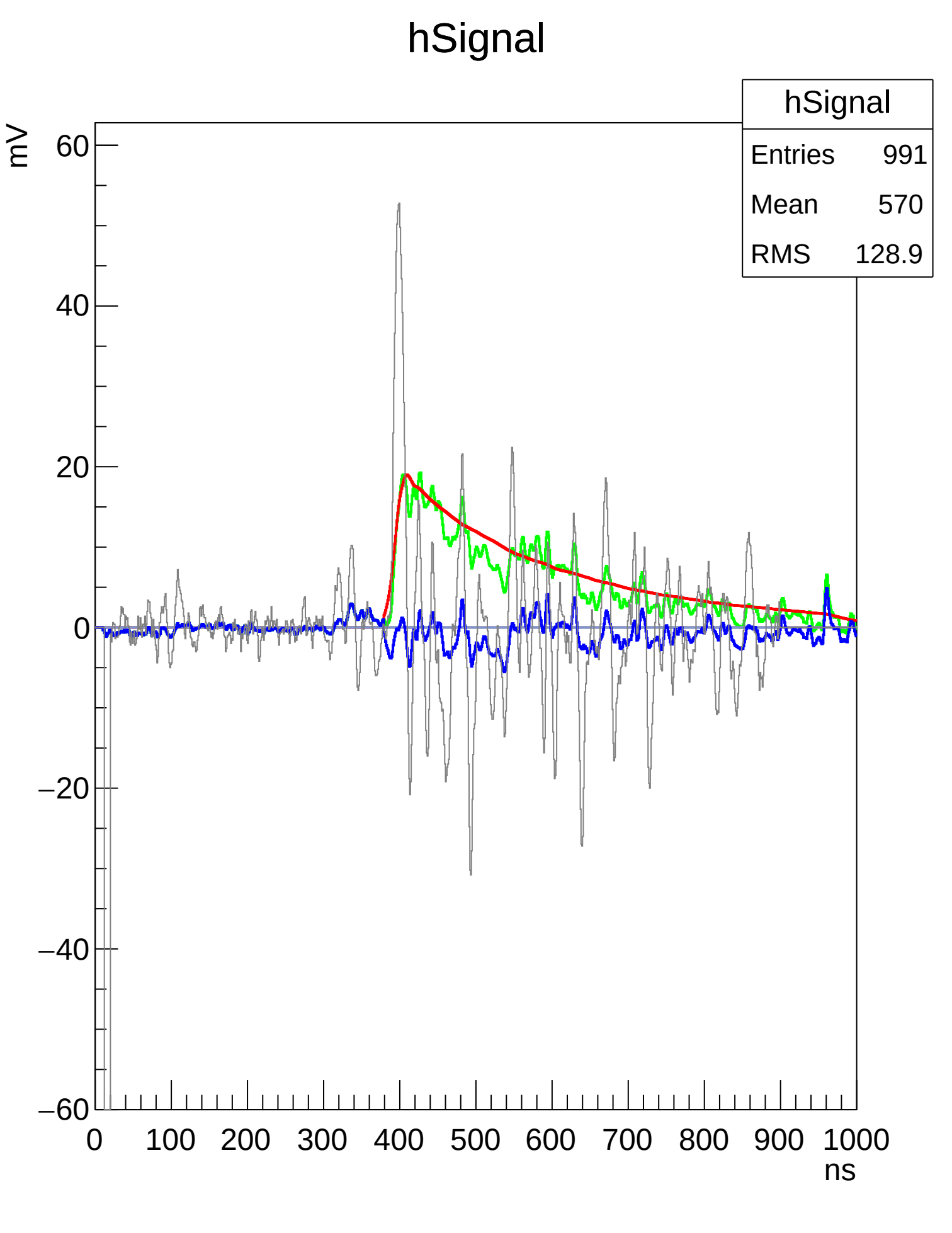
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 570
RMS 128.9
mV
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0
−20
−40
−60
0
100
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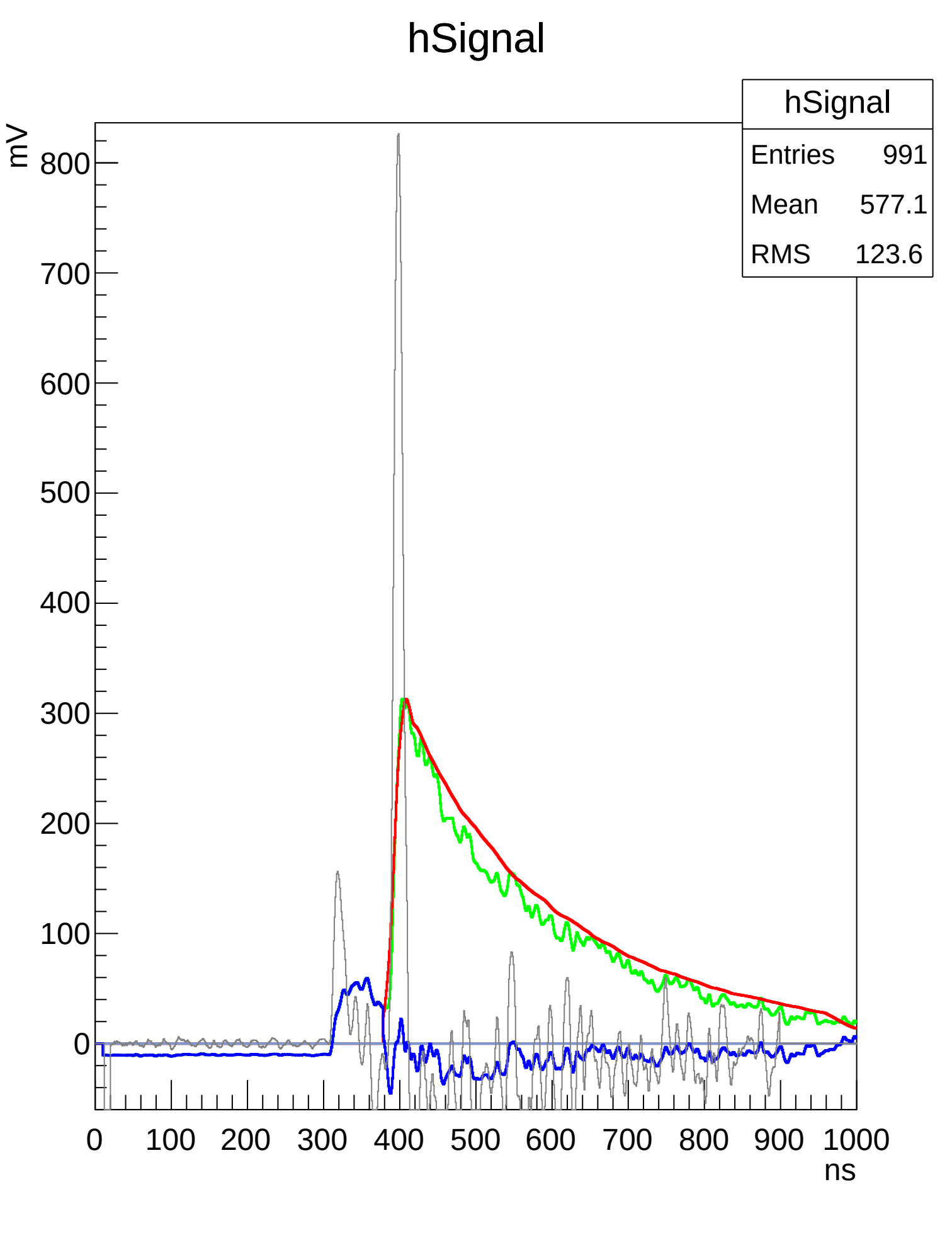
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 577.1
RMS 123.6
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
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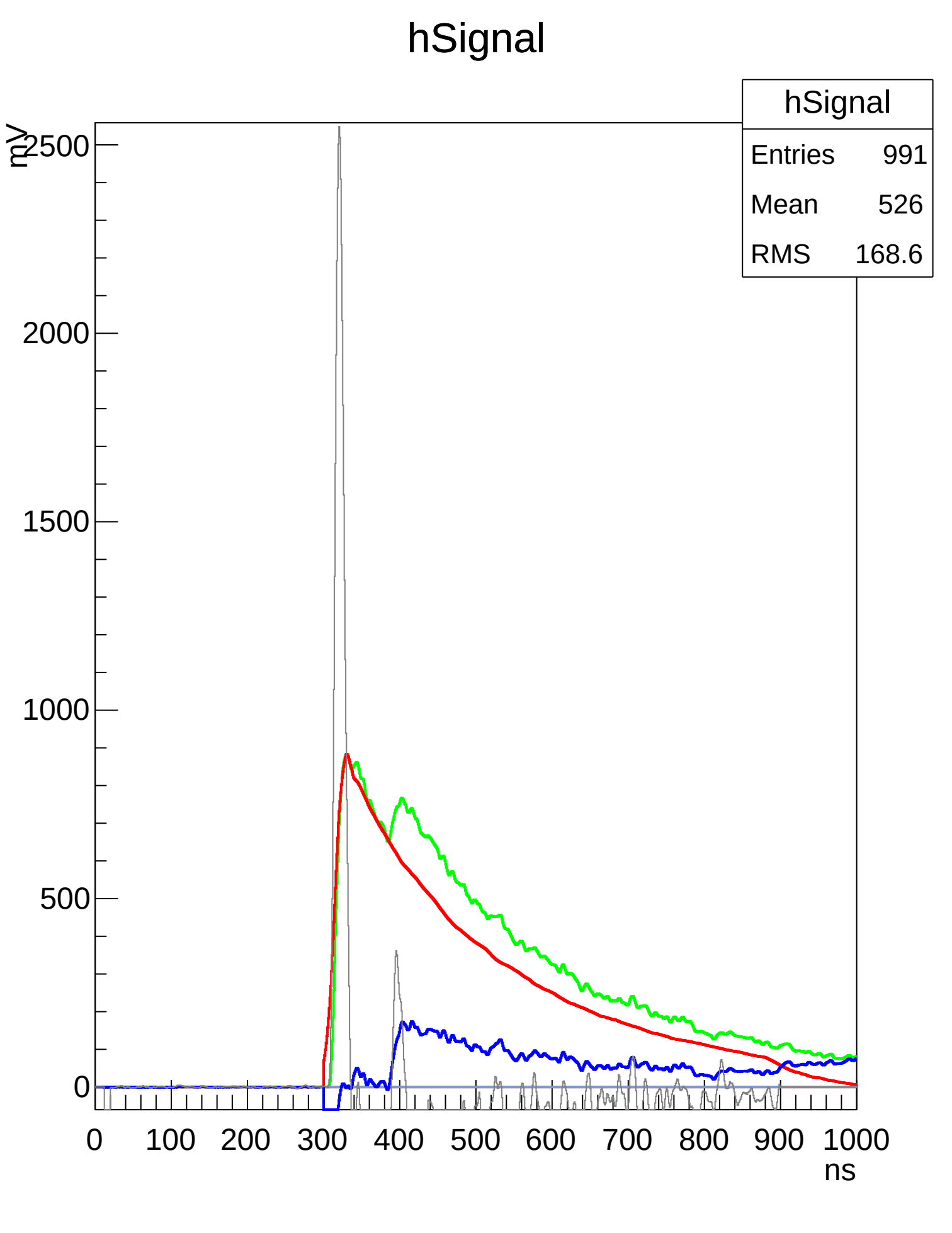
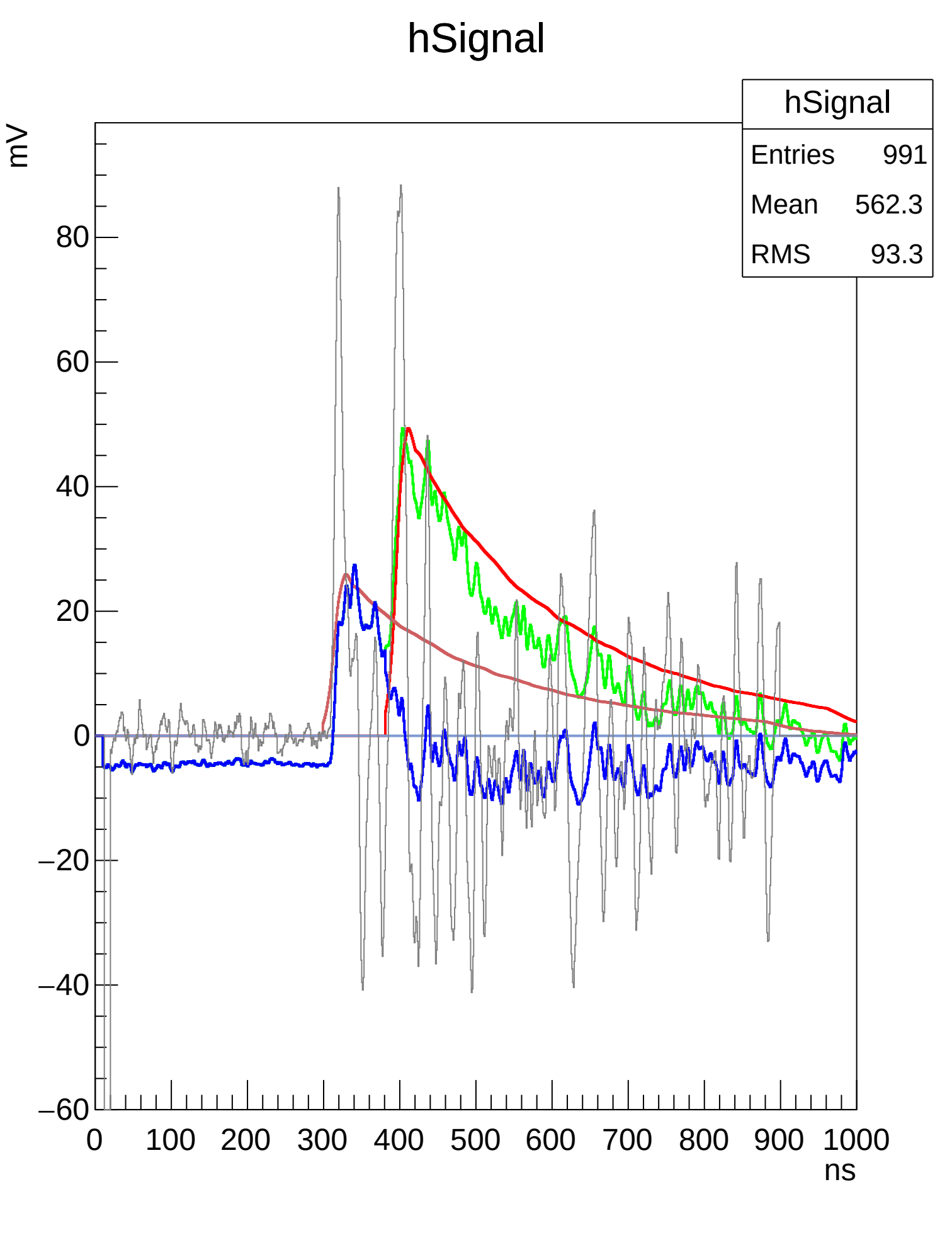
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 526
RMS 168.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 562.3
RMS 93.3
mV
80
60
40
20
0
−20
−40
−60
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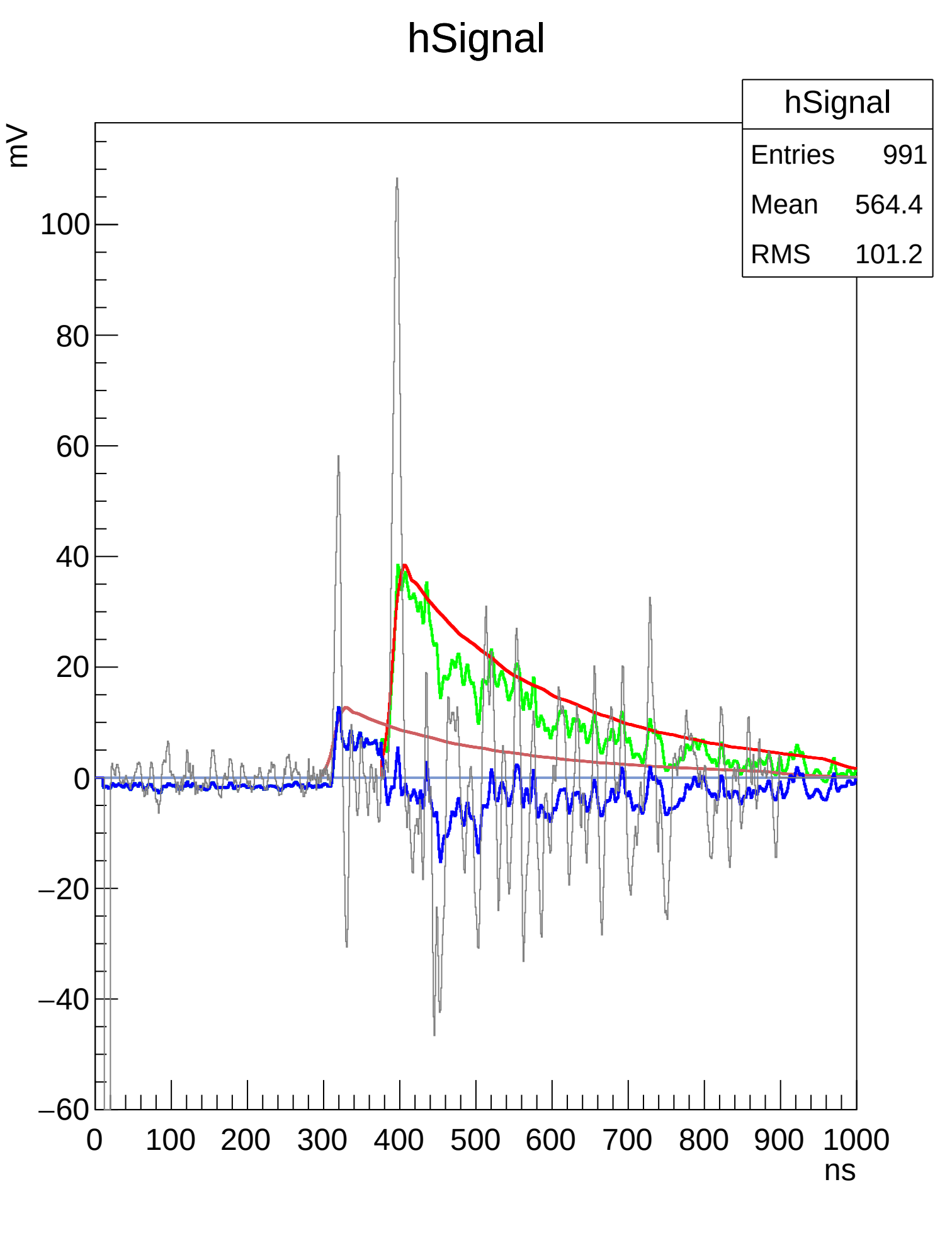
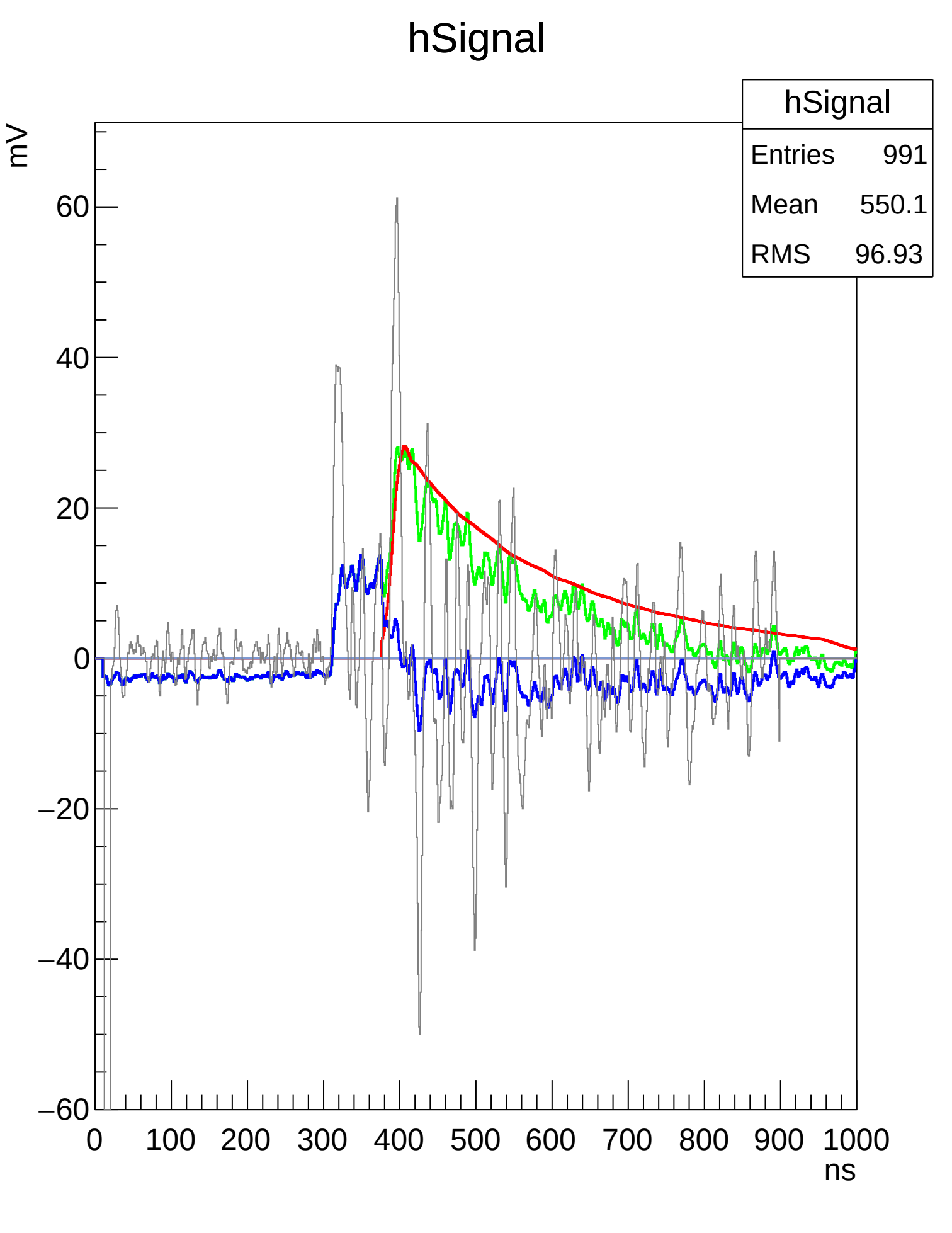
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 564.4
RMS 101.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 550.1
RMS 96.93
mV
60
40
20
0
−20
−40
−60
0
100
200
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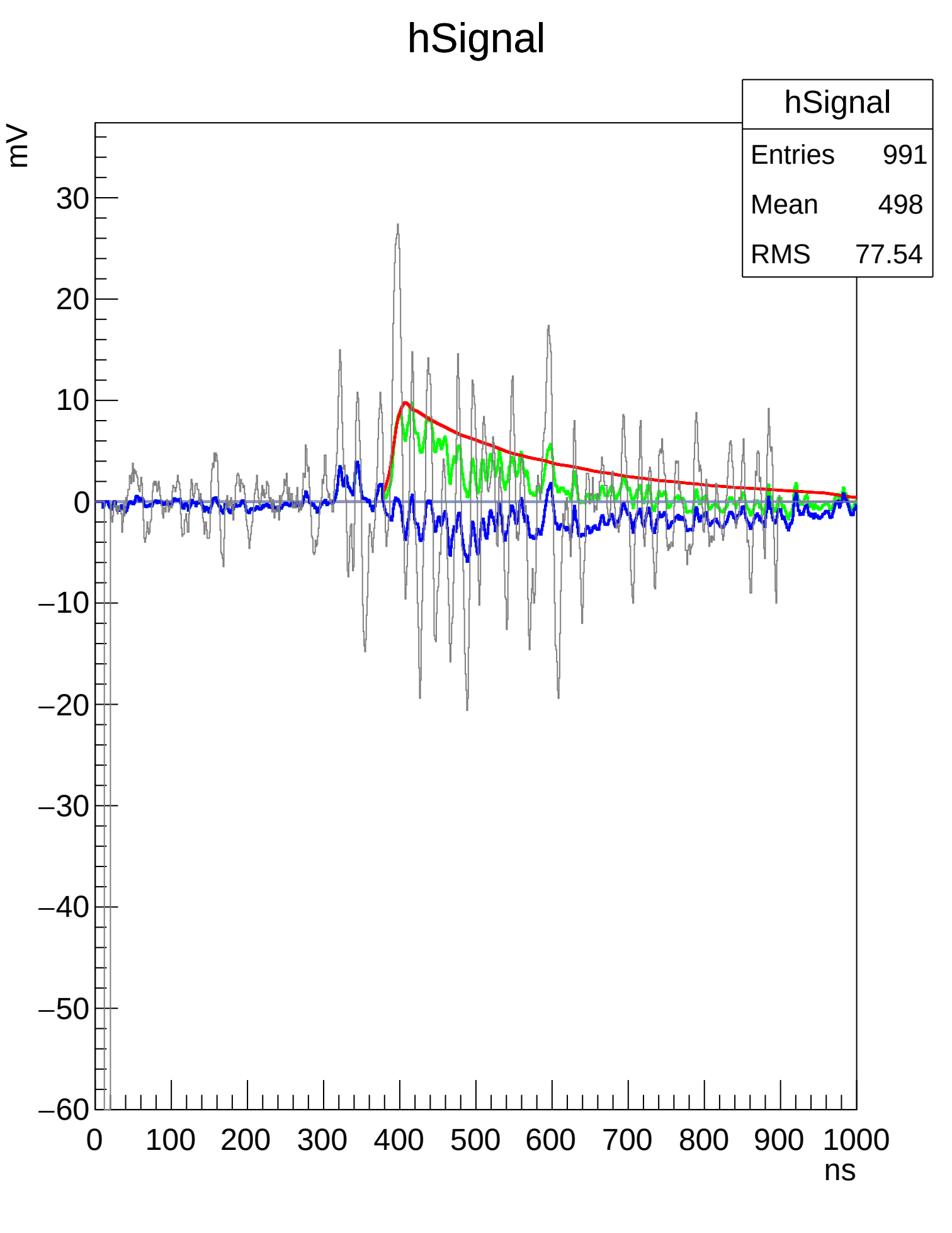
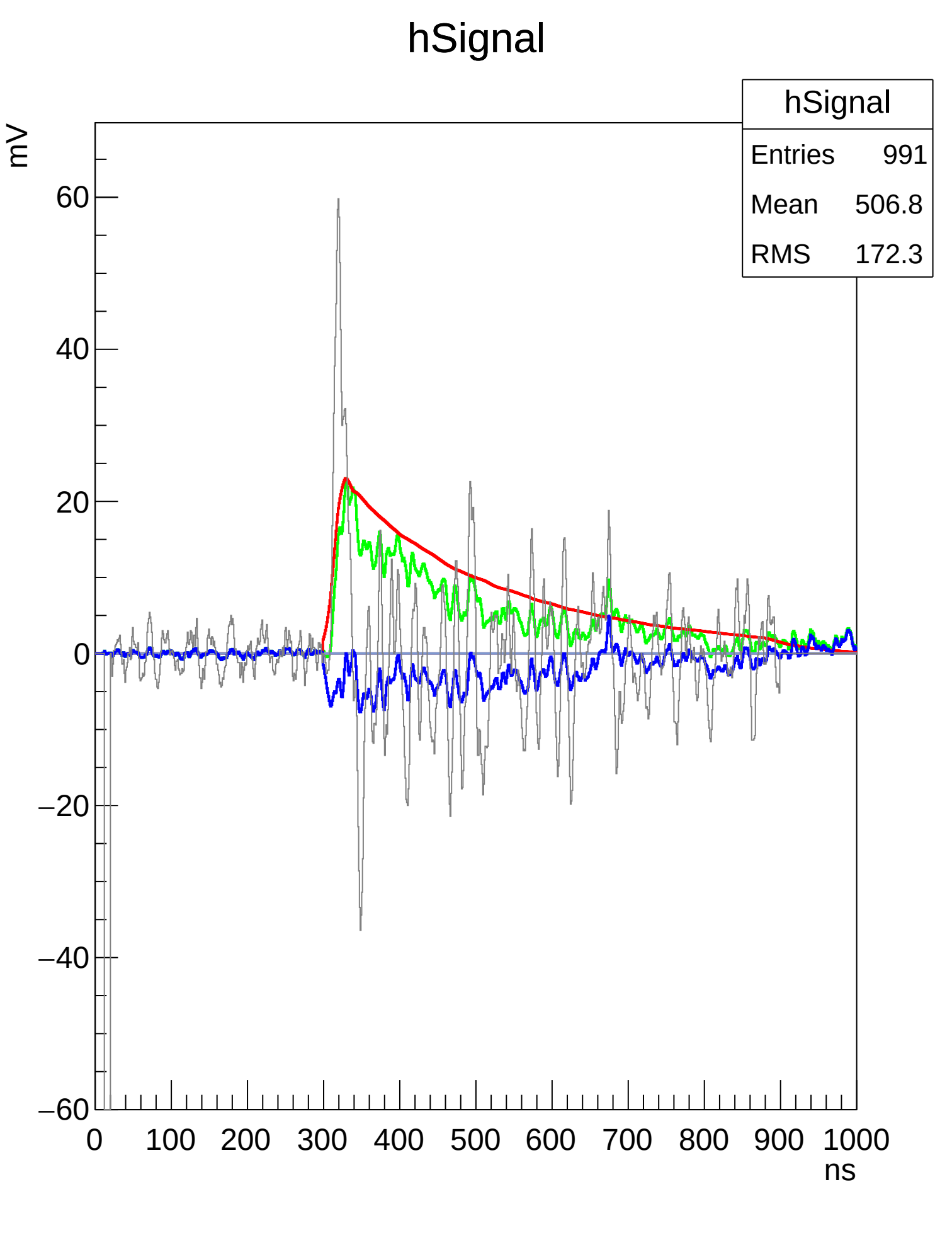
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 498
RMS 77.54
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 506.8
RMS 172.3
mV
60
40
20
0
−20
−40
−60
0
100
200
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400
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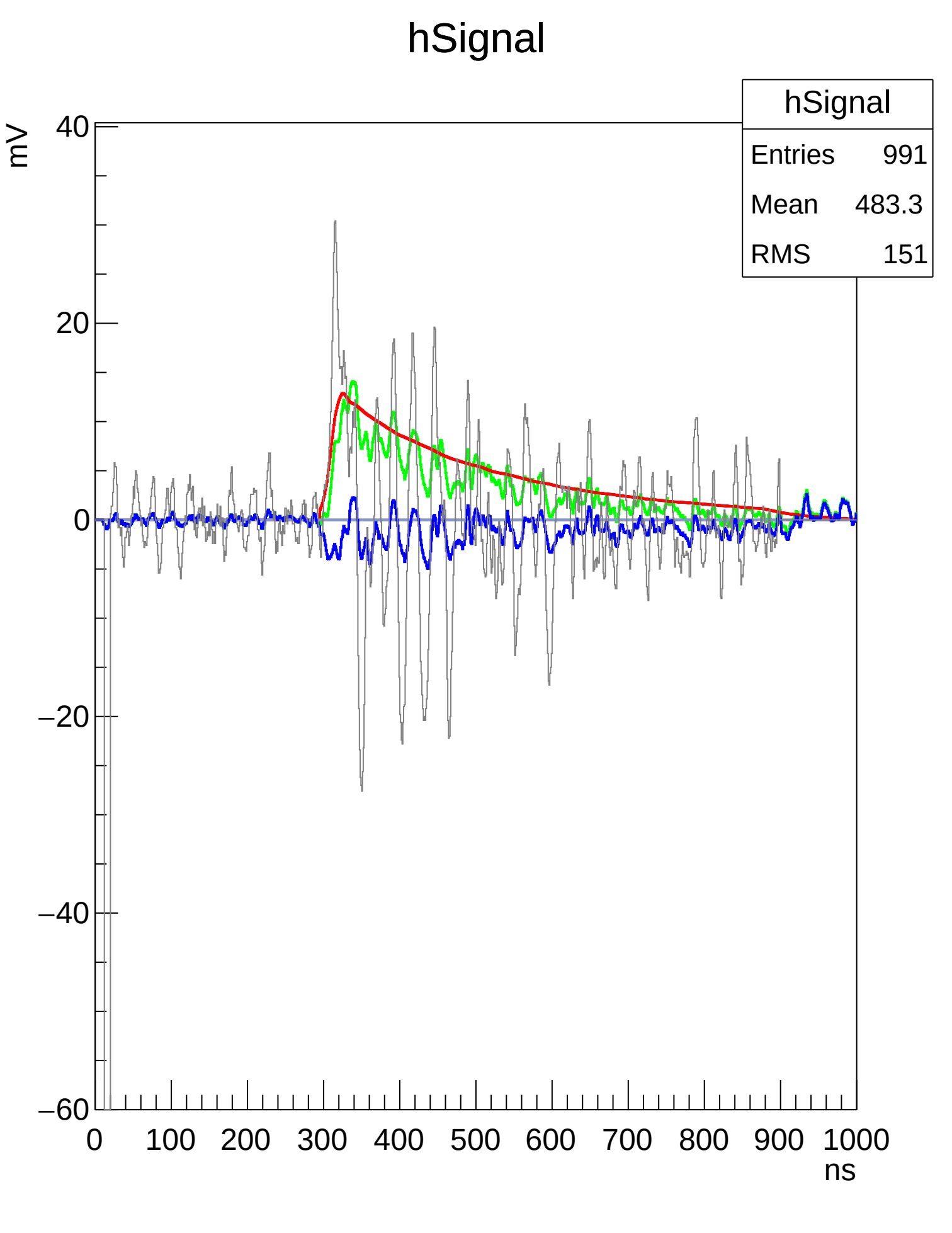
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 483.3
RMS 151
mV
40
20
0
−20
−40
−60
0
100
200
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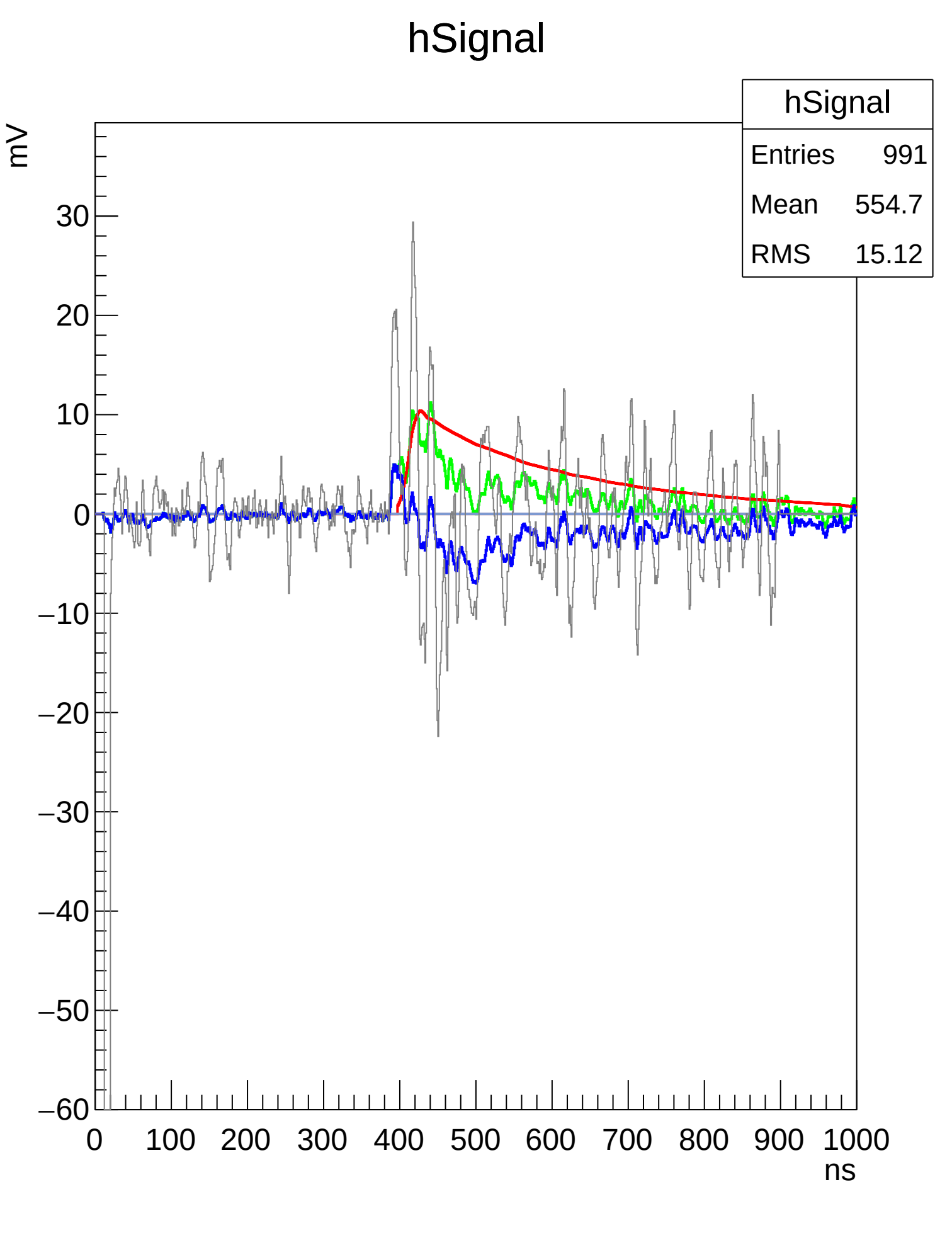
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 554.7
RMS 15.12
mV
30
20
10
0
−10
−20
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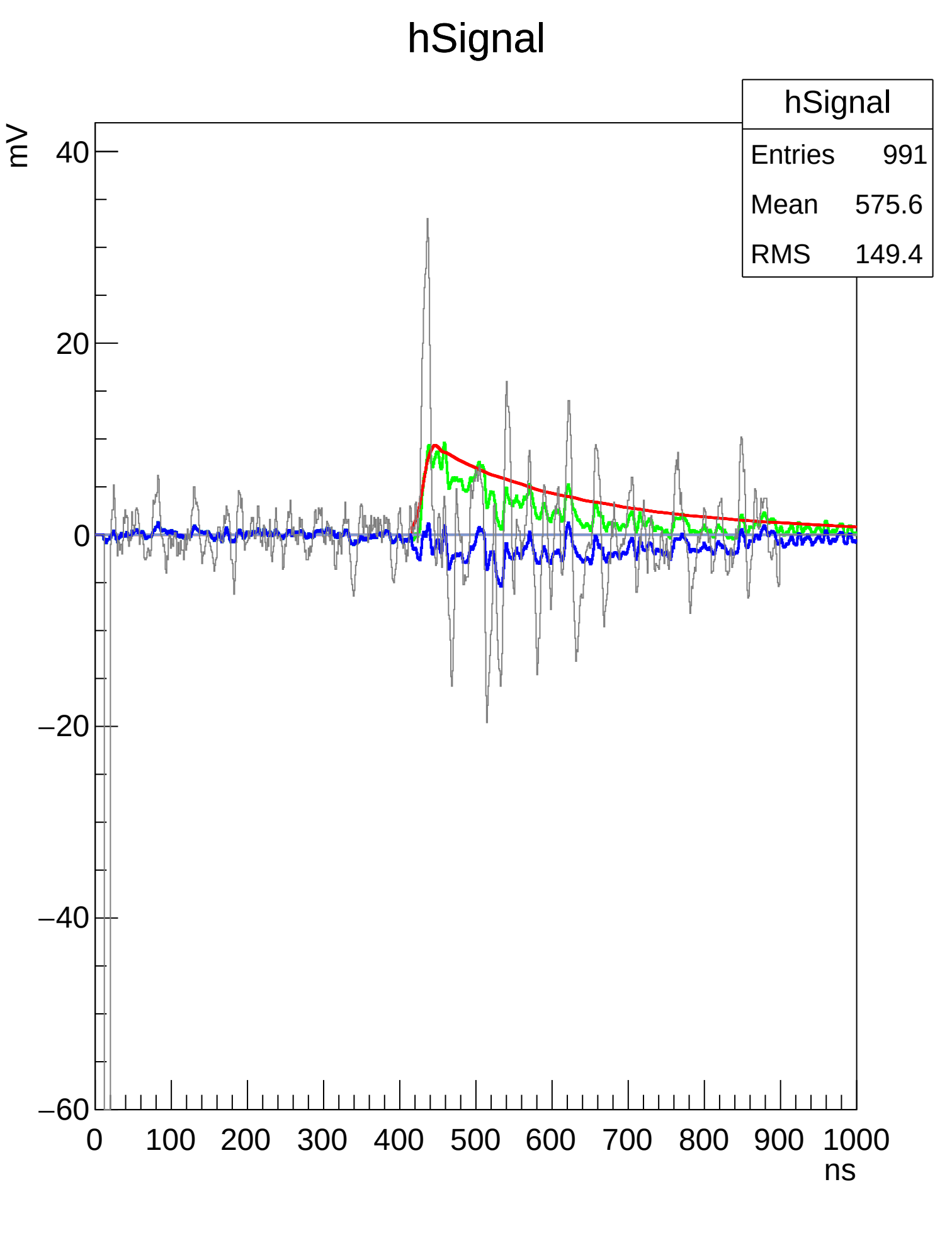
−40
−50
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 575.6
RMS 149.4
mV
40
20
0
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−40
−60
0
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200
300
400
500
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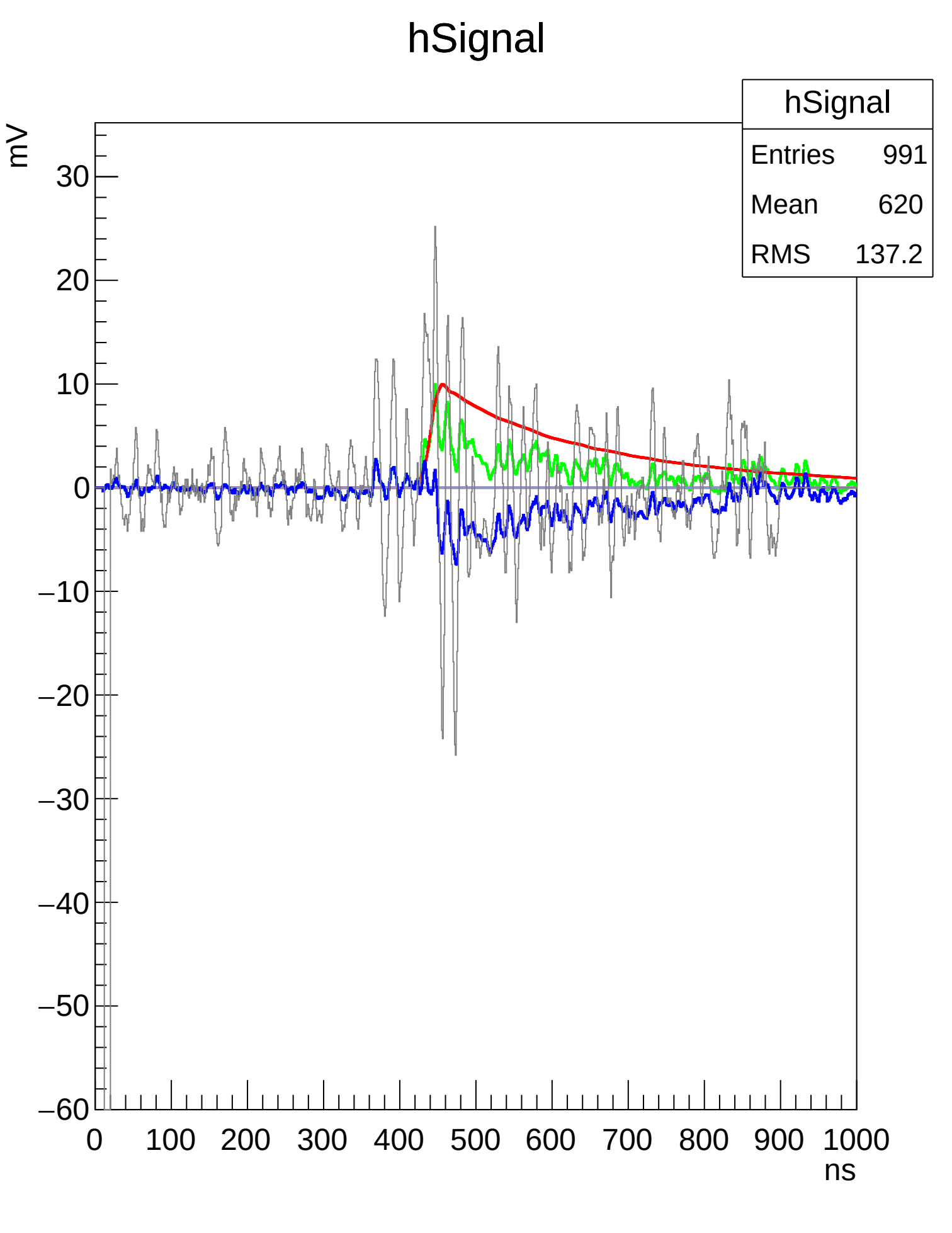
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 620
RMS 137.2
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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1000
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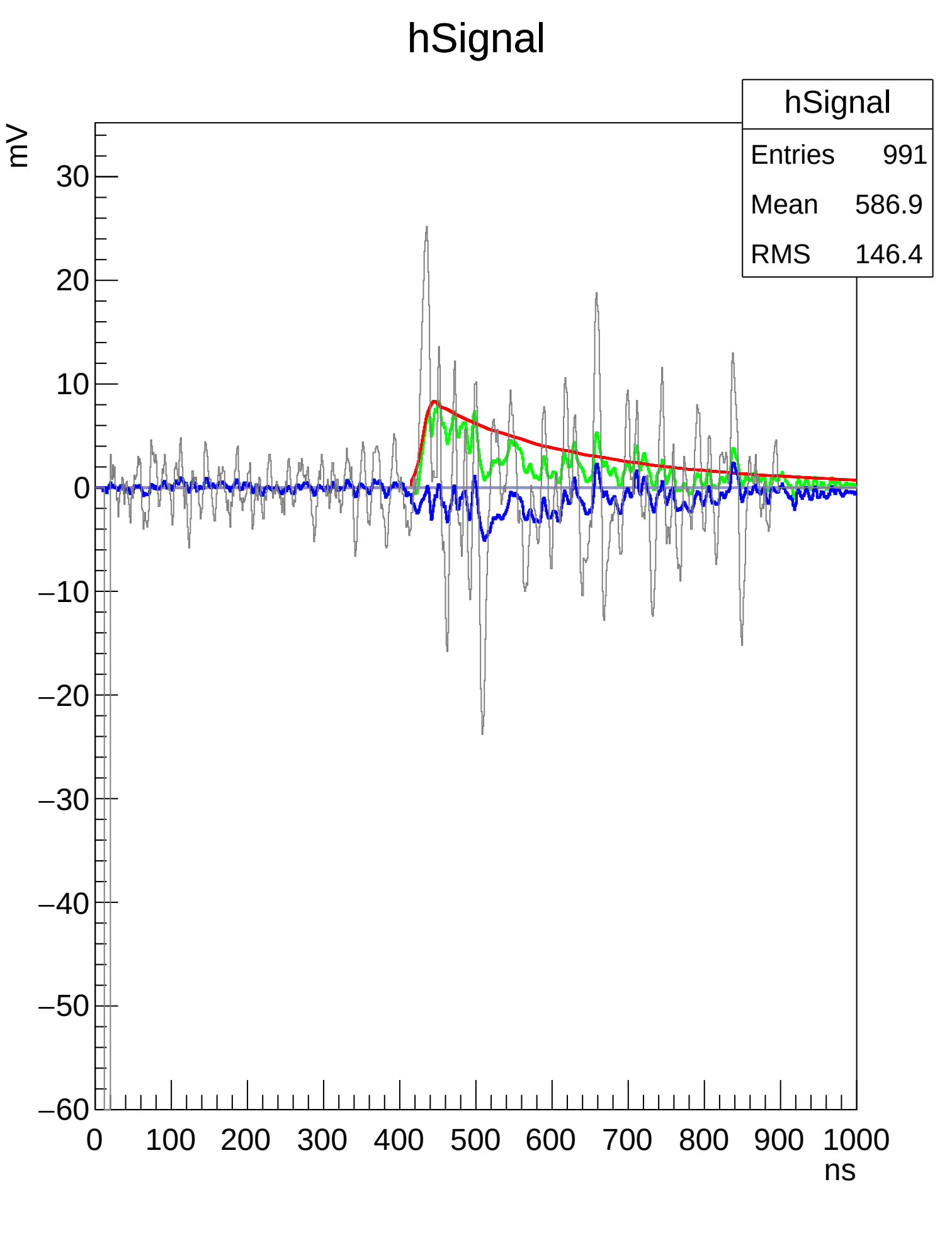
hSignal
hSignal
Entries 991
Mean 586.9
RMS 146.4
mV
30
20
10
0
−10
−20
−30
−40
−50
−60
0
100
200
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400
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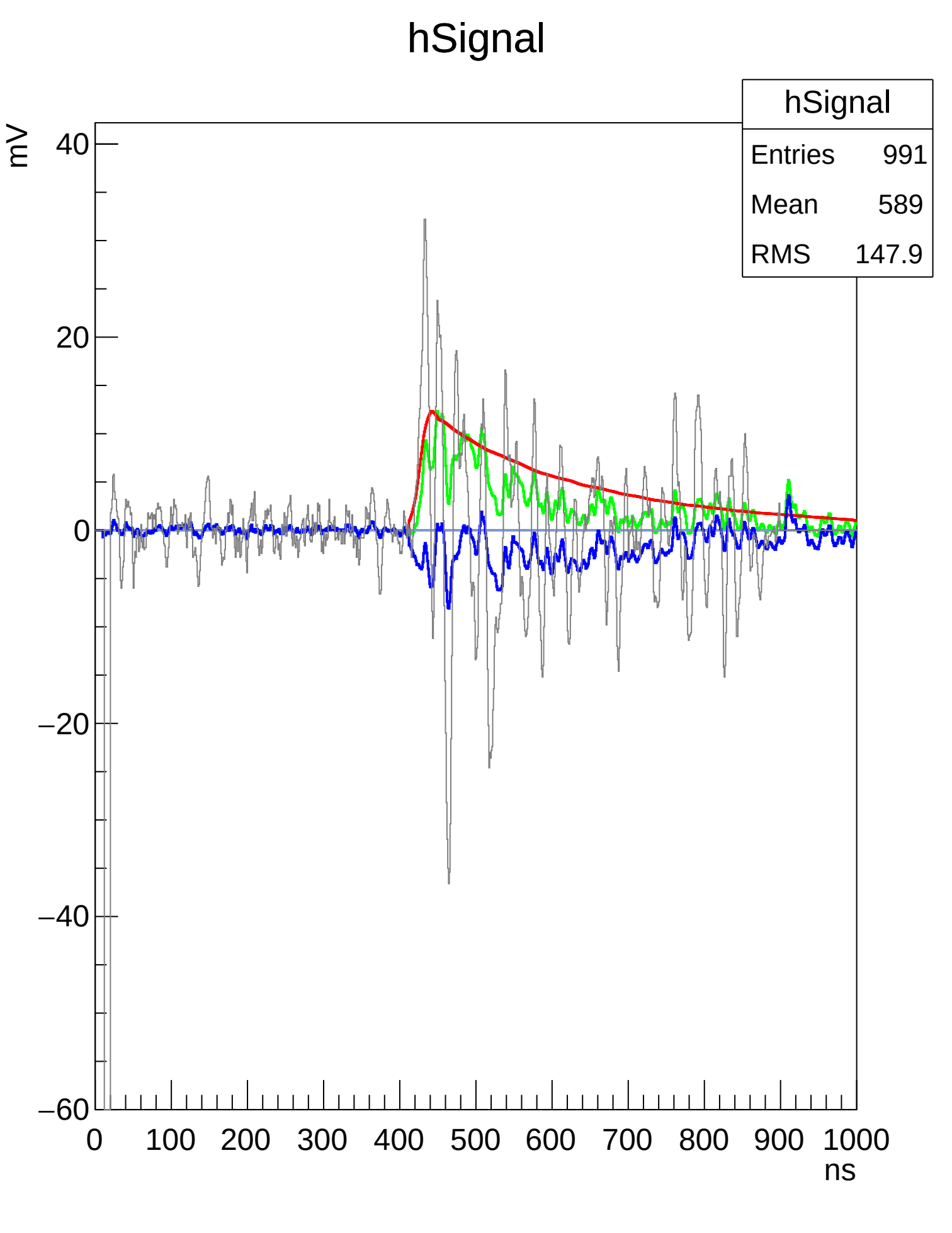
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 589
RMS 147.9
mV
40
20
0
−20
−40
−60
0
100
200
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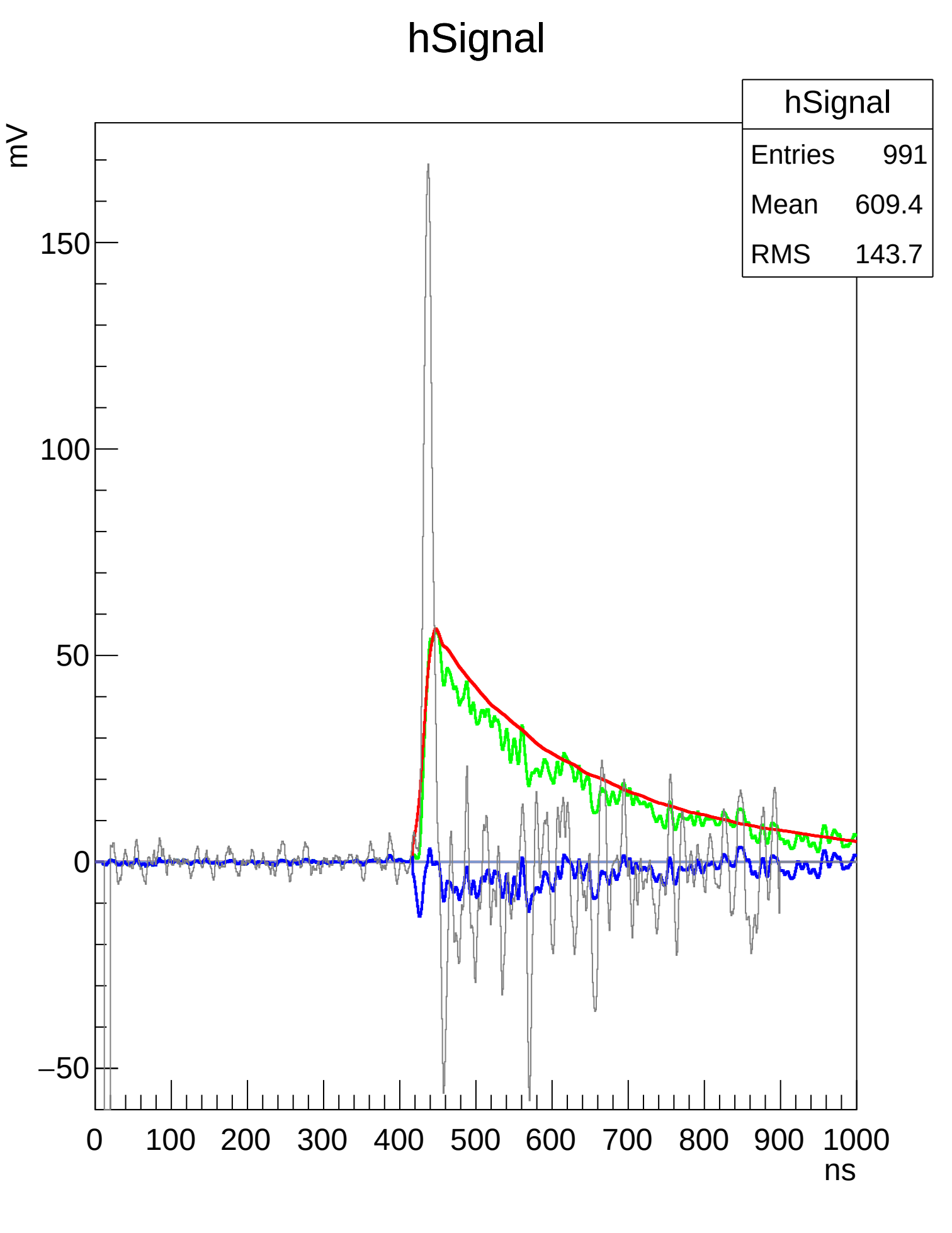
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 609.4
RMS 143.7
mV
150
100
50
0
−50
0
100
200
300
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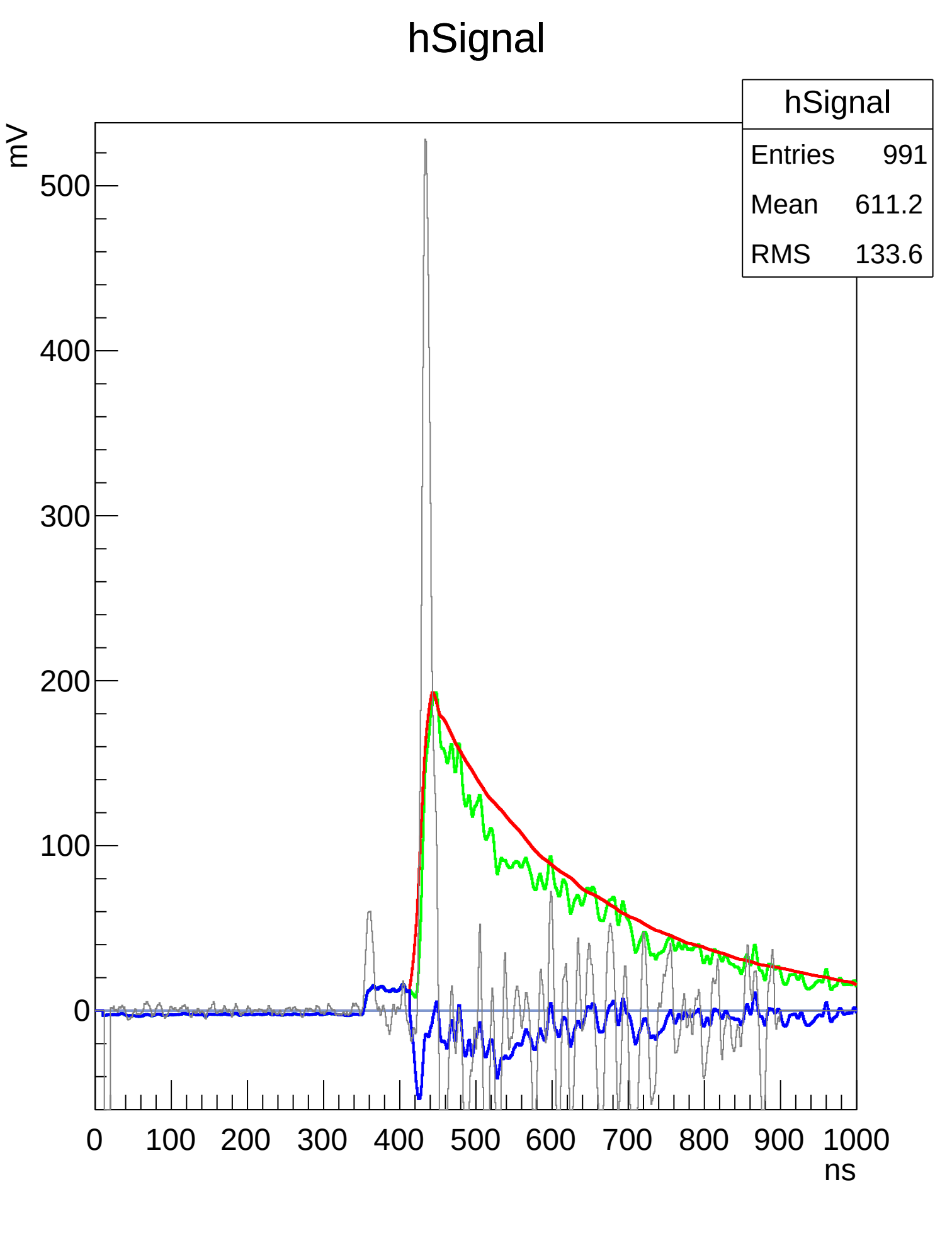
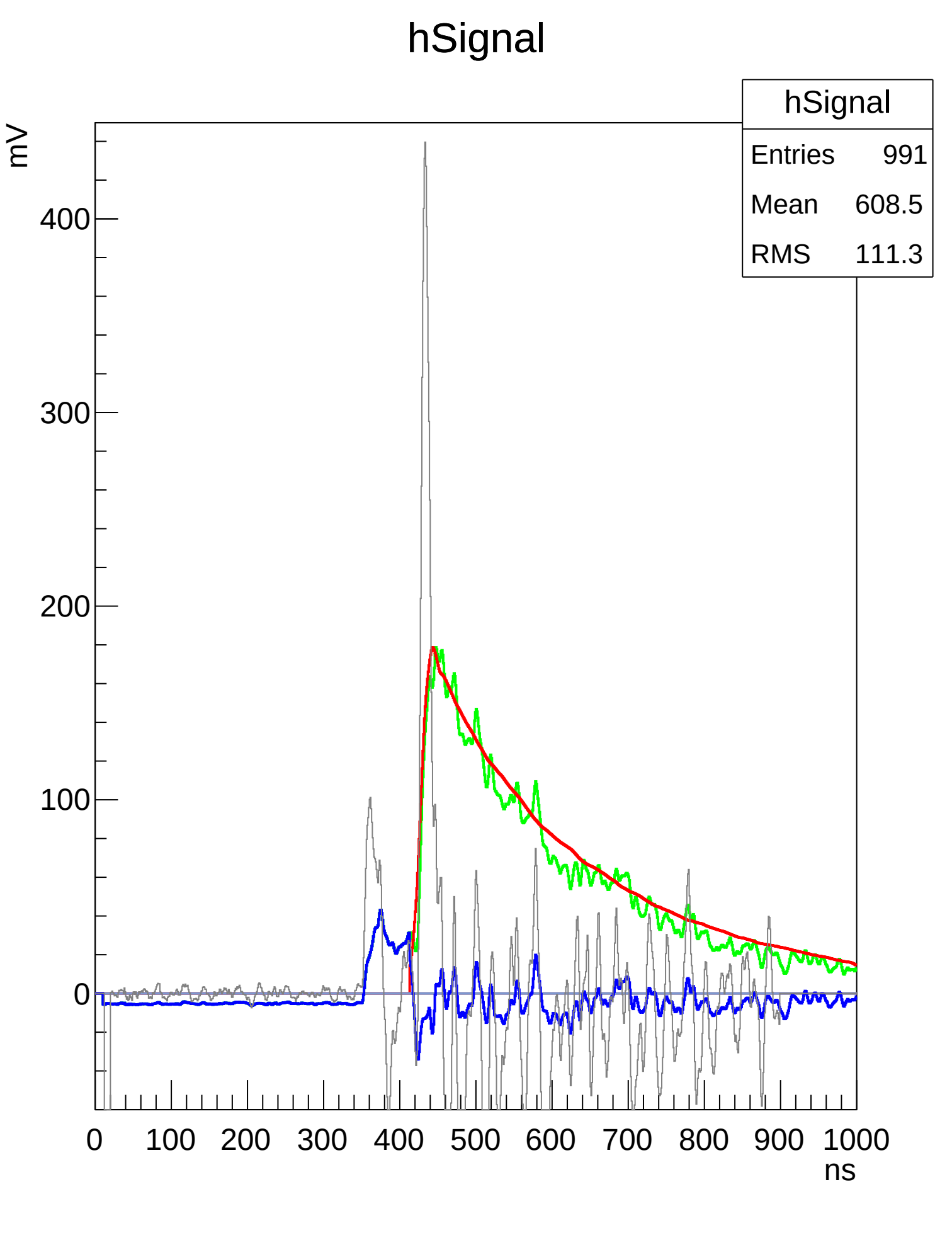
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 611.2
RMS 133.6
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 608.5
RMS 111.3
mV
400
300
200
100
0
0
100
200
300
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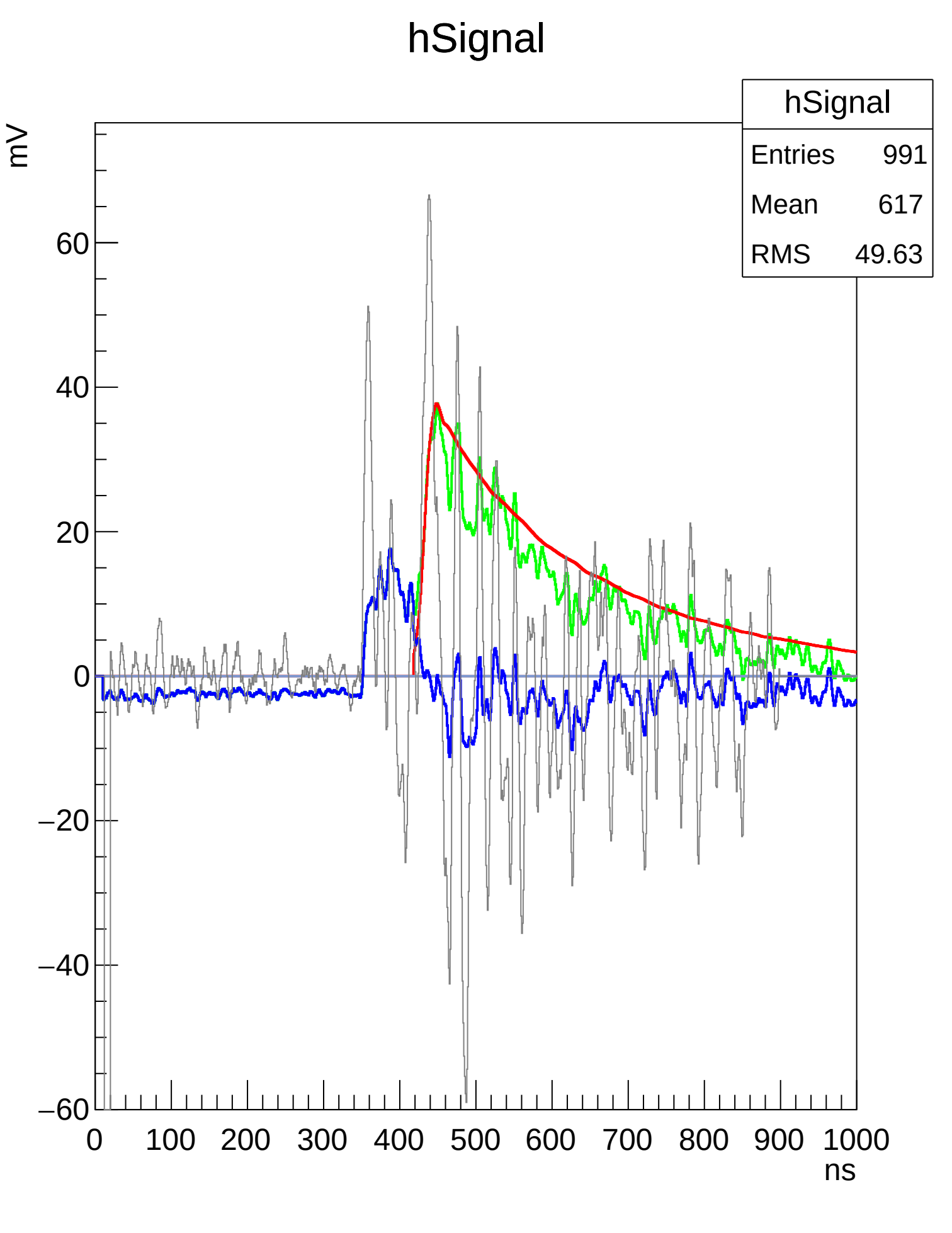
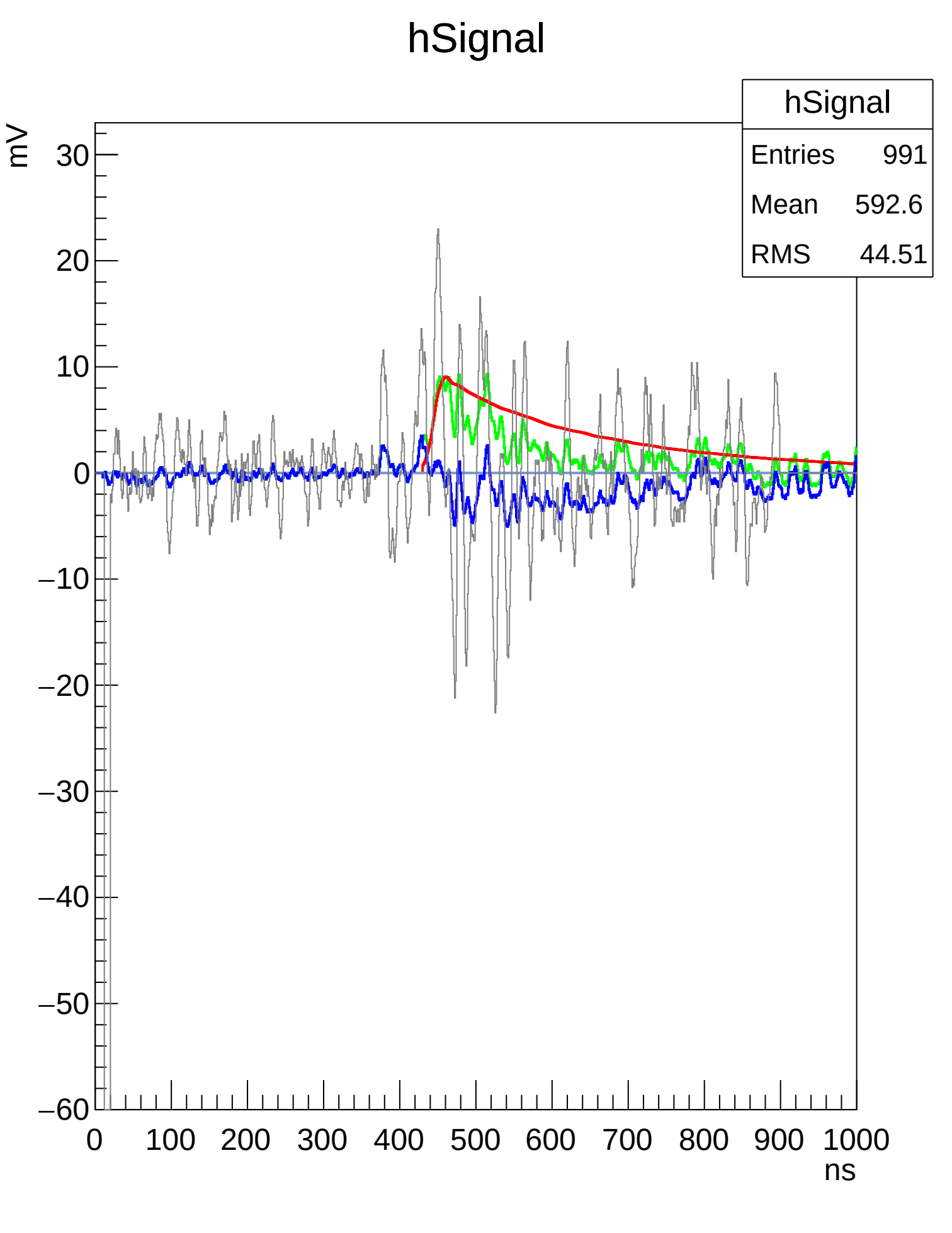
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 617
RMS 49.63
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 592.6
RMS 44.51
mV
30
20
10
0
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−20
−30
−40
−50
−60
0
100
200
300
400
500
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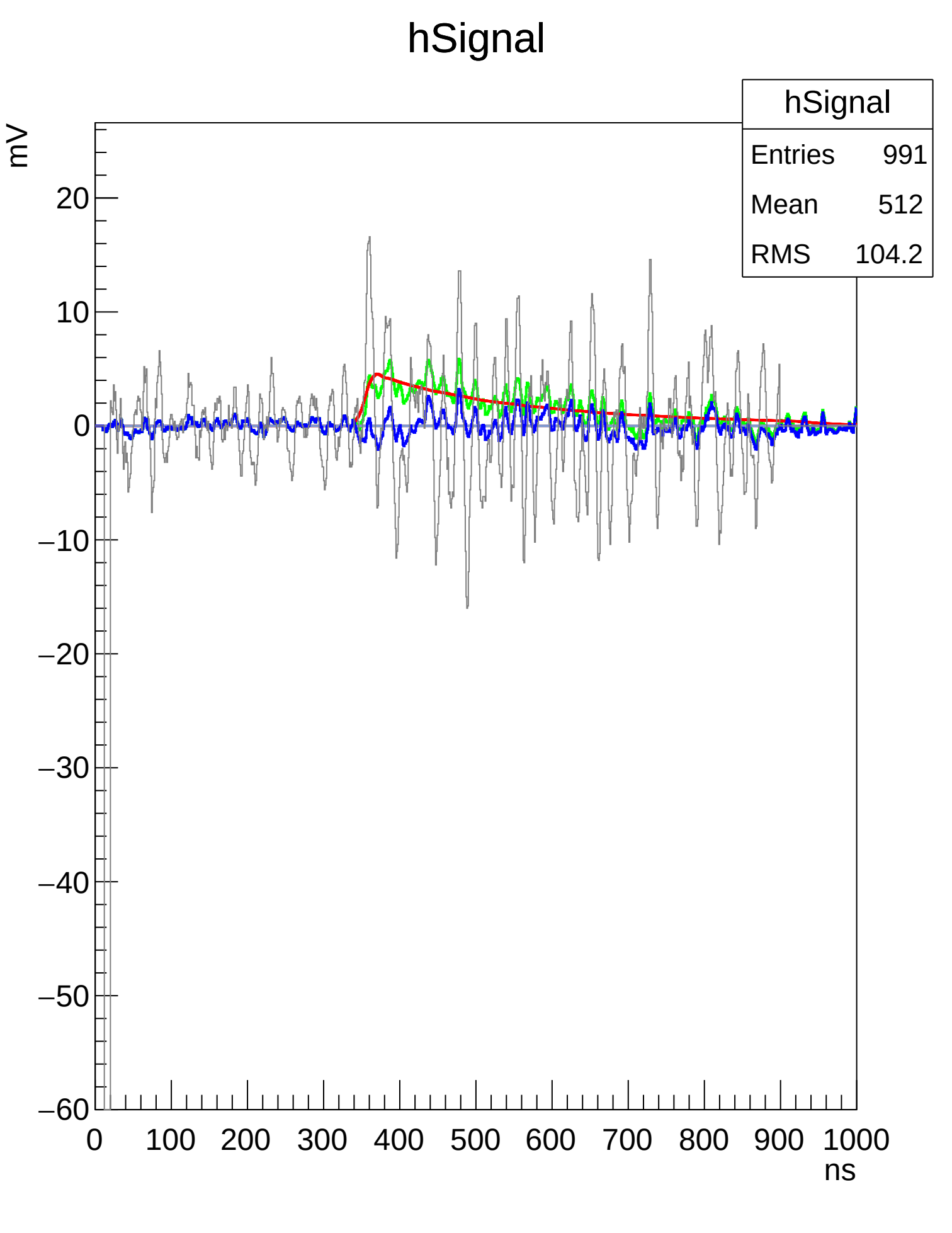
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 512
RMS 104.2
mV
20
10
0
−10
−20
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−40
−50
−60
0
100
200
300
400
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800
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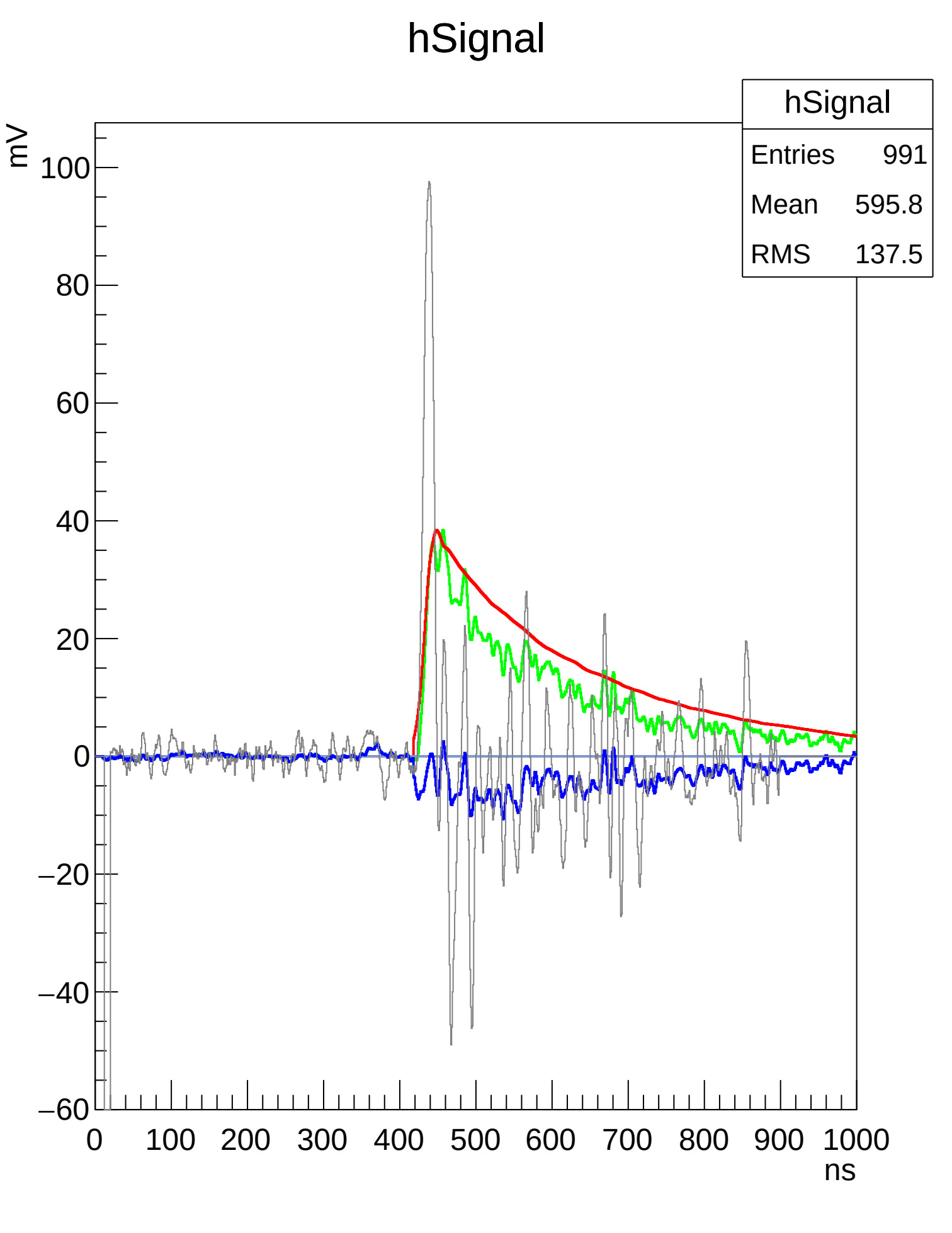
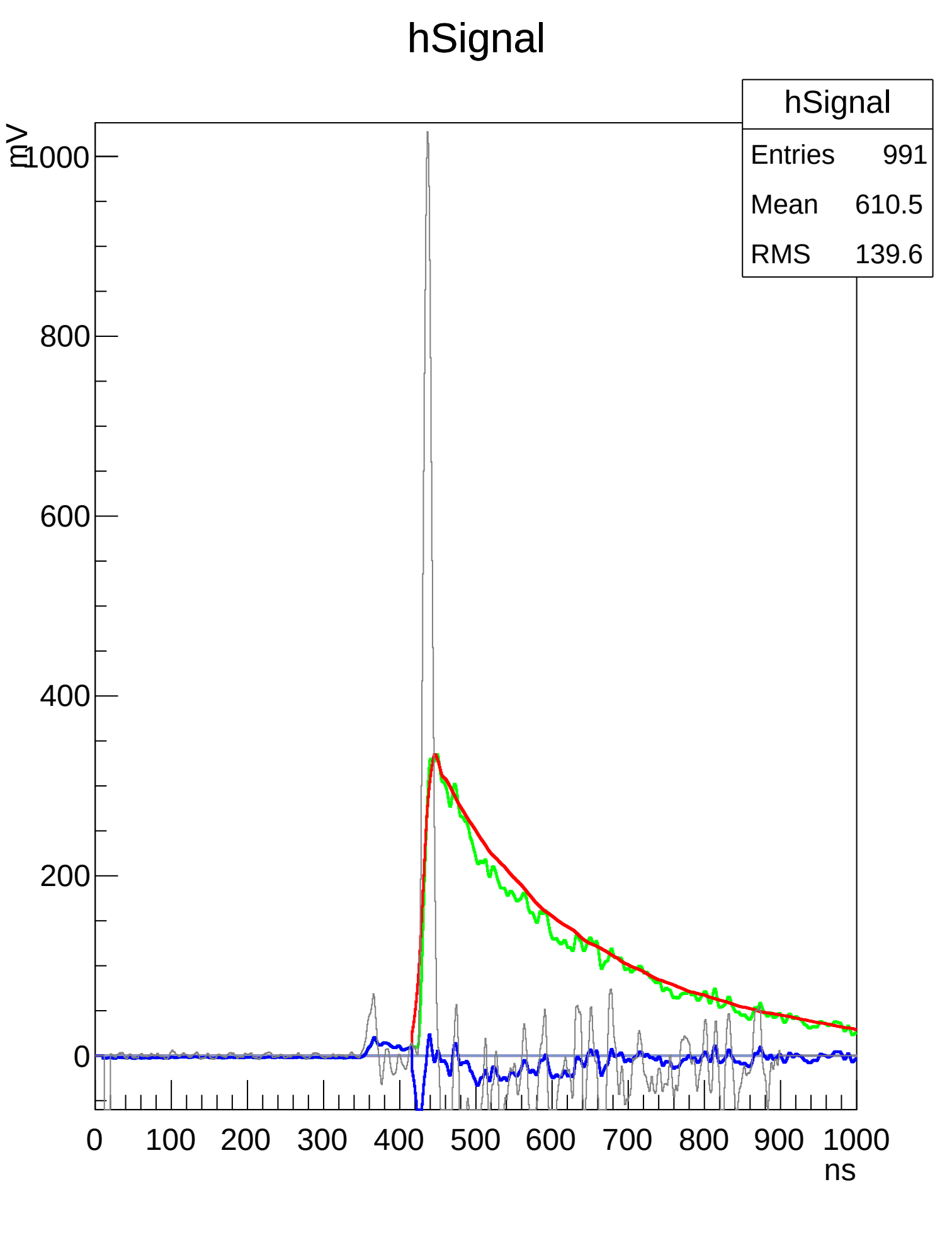
1000
ns


hSignal
hSignal
Entries 991
Mean 595.8
RMS 137.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 610.5
RMS 139.6
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
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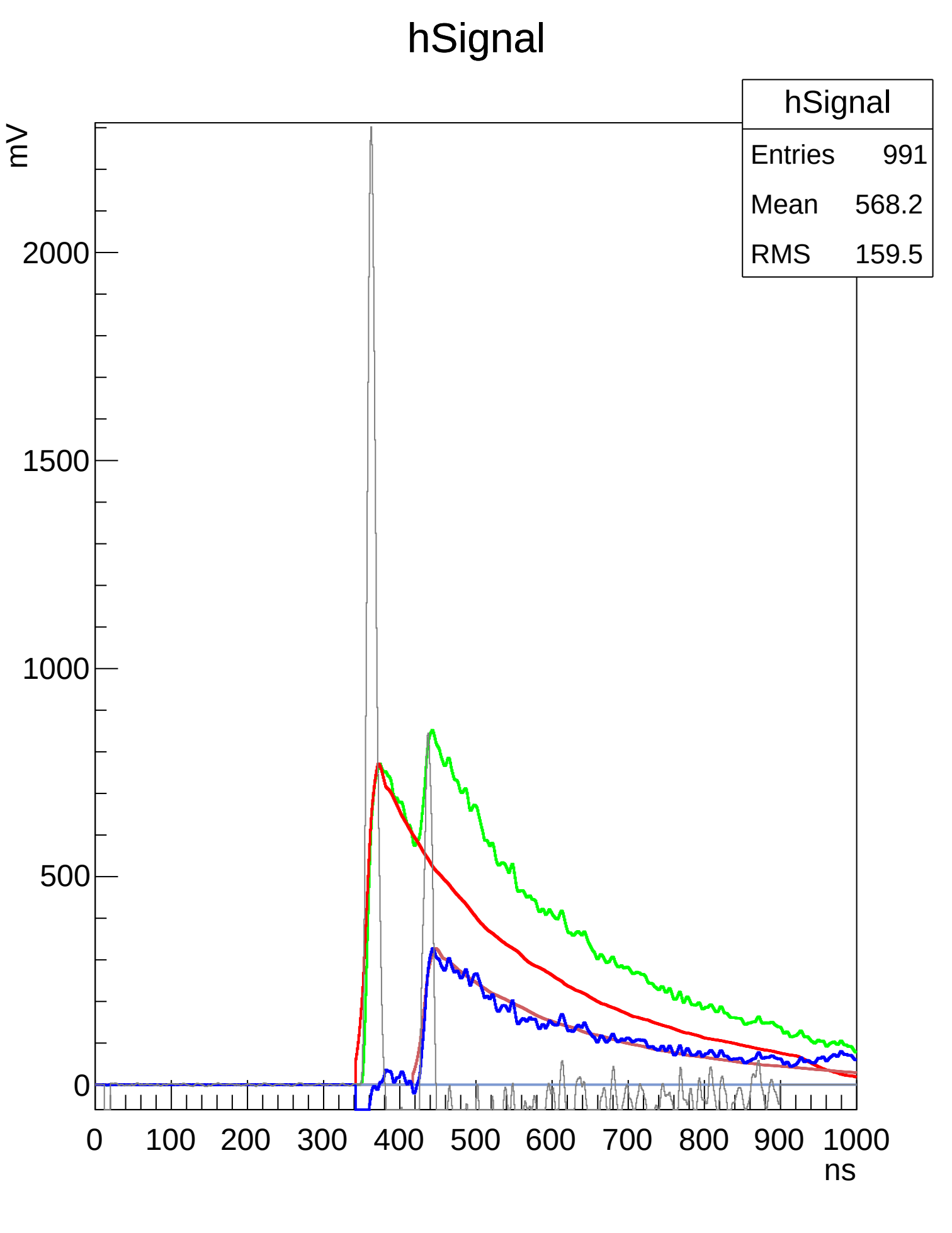
1000
ns


hSignal
hSignal
Entries 991
Mean 568.2
RMS 159.5
mV
2000
1500
1000
500
0
0
100
200
300
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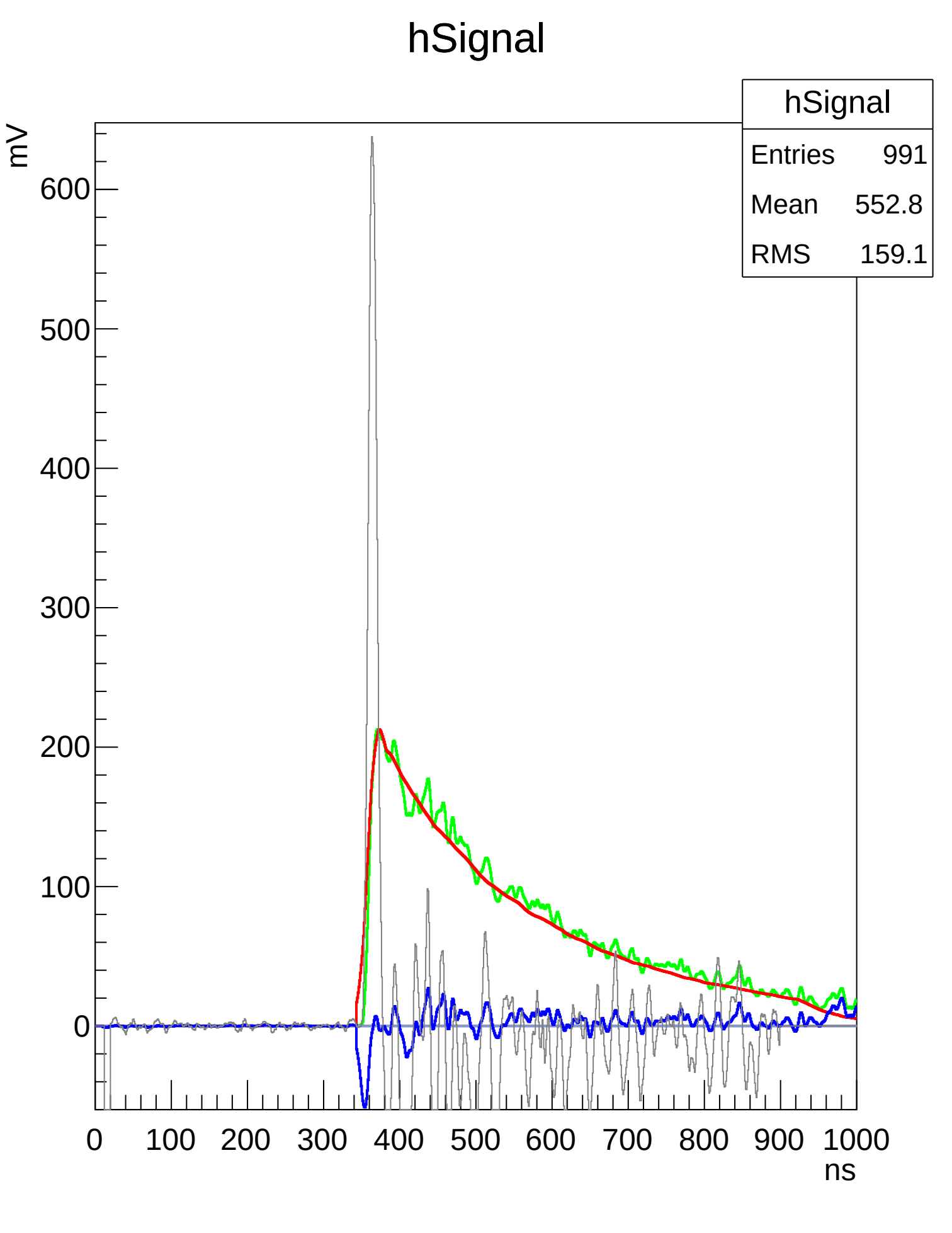
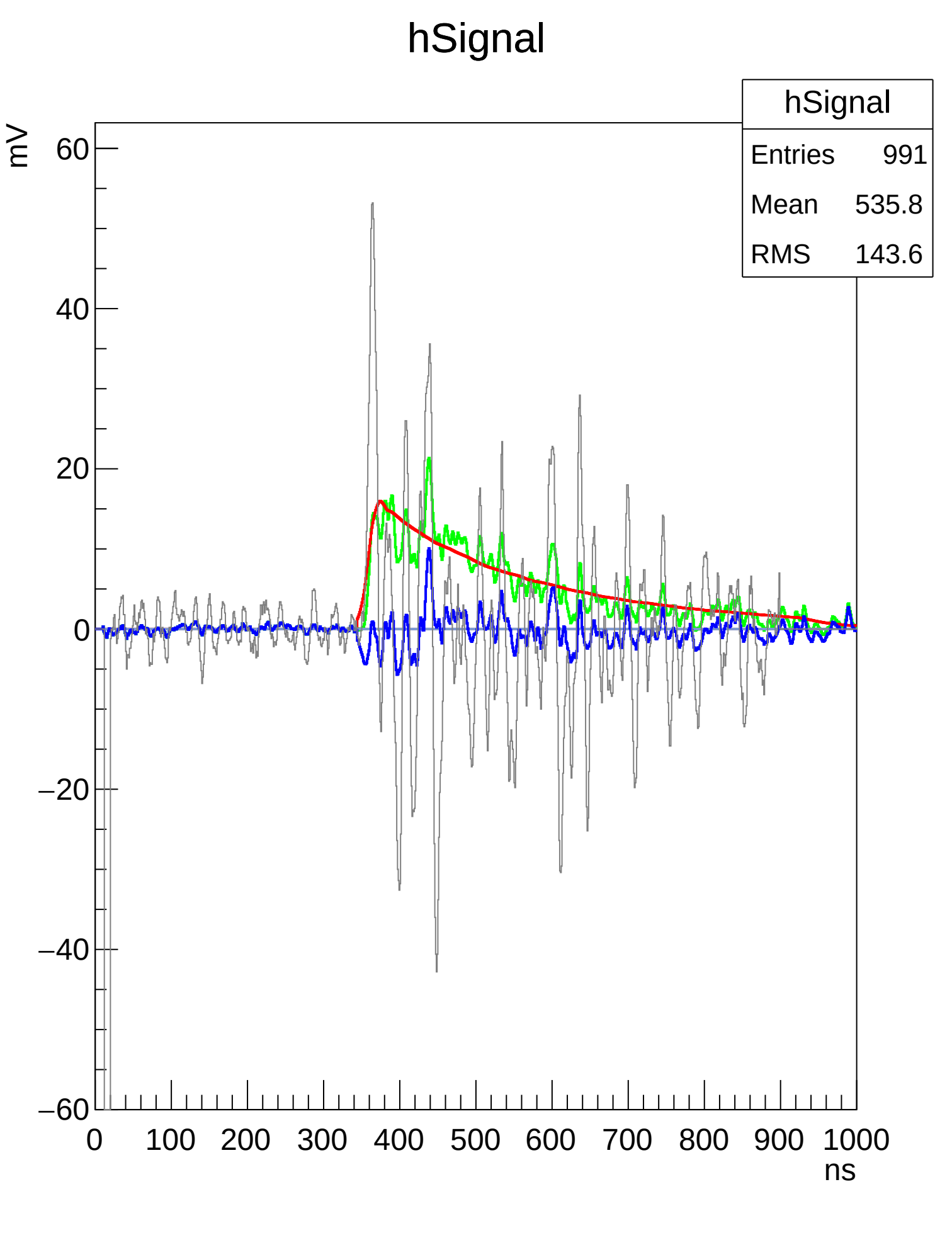
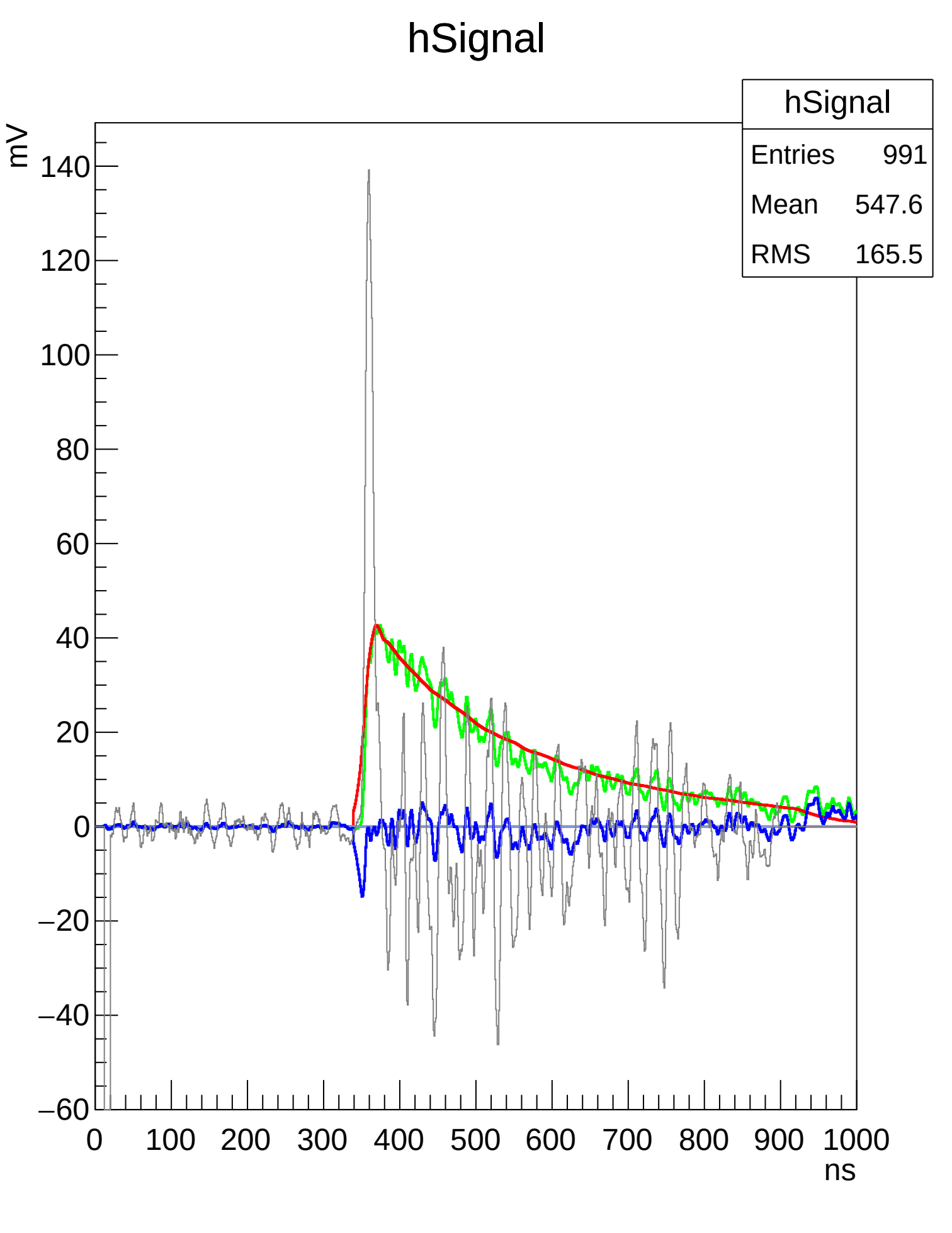
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 552.8
RMS 159.1
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns


hSignal
hSignal
Entries 991
Mean 535.8
RMS 143.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 547.6
RMS 165.5
mV
140
120
100
80
60
40
20
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−20
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−60
0
100
200
300
400
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1000
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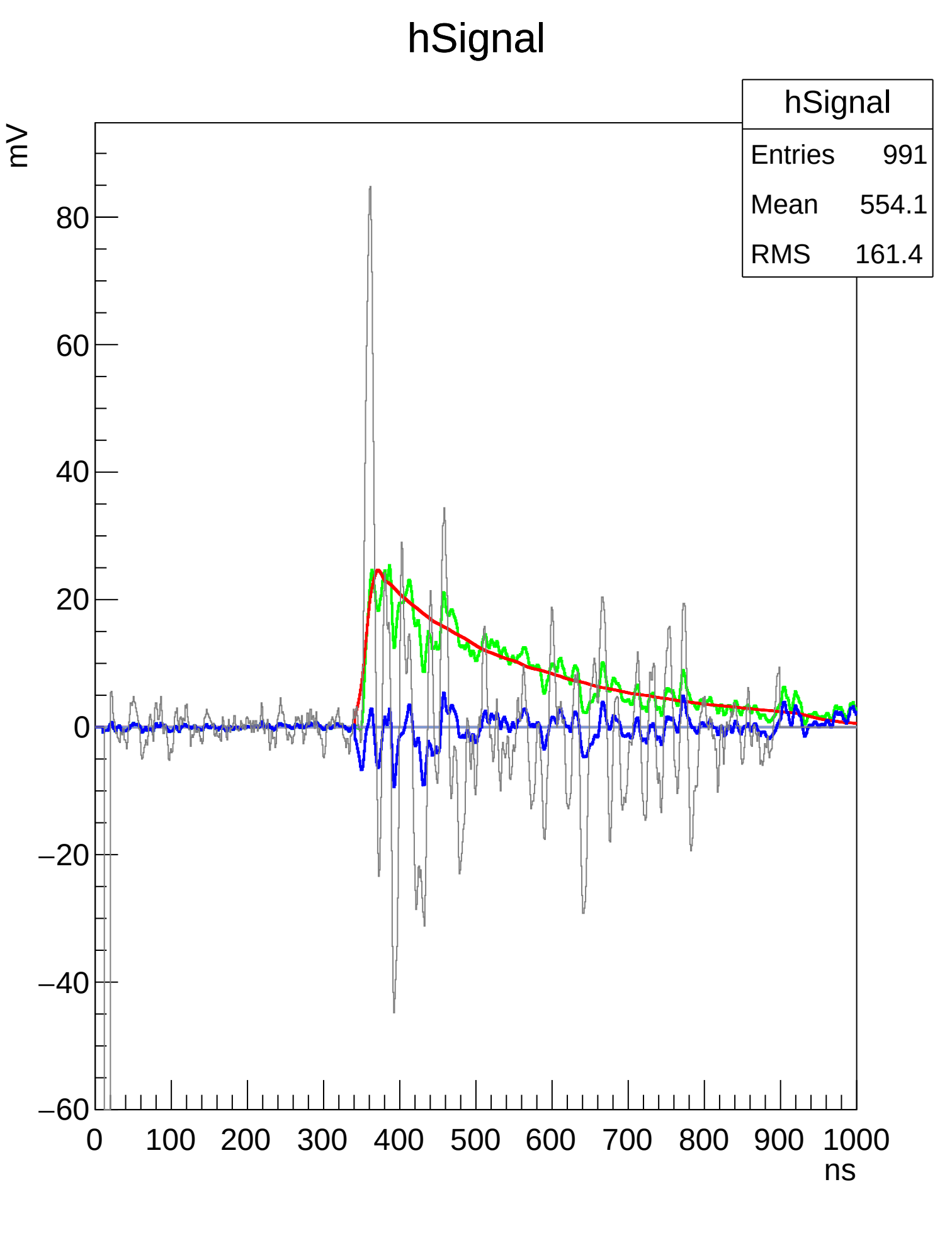
hSignal
hSignal
Entries 991
Mean 554.1
RMS 161.4
mV
80
60
40
20
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−20
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0
100
200
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400
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800
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1000
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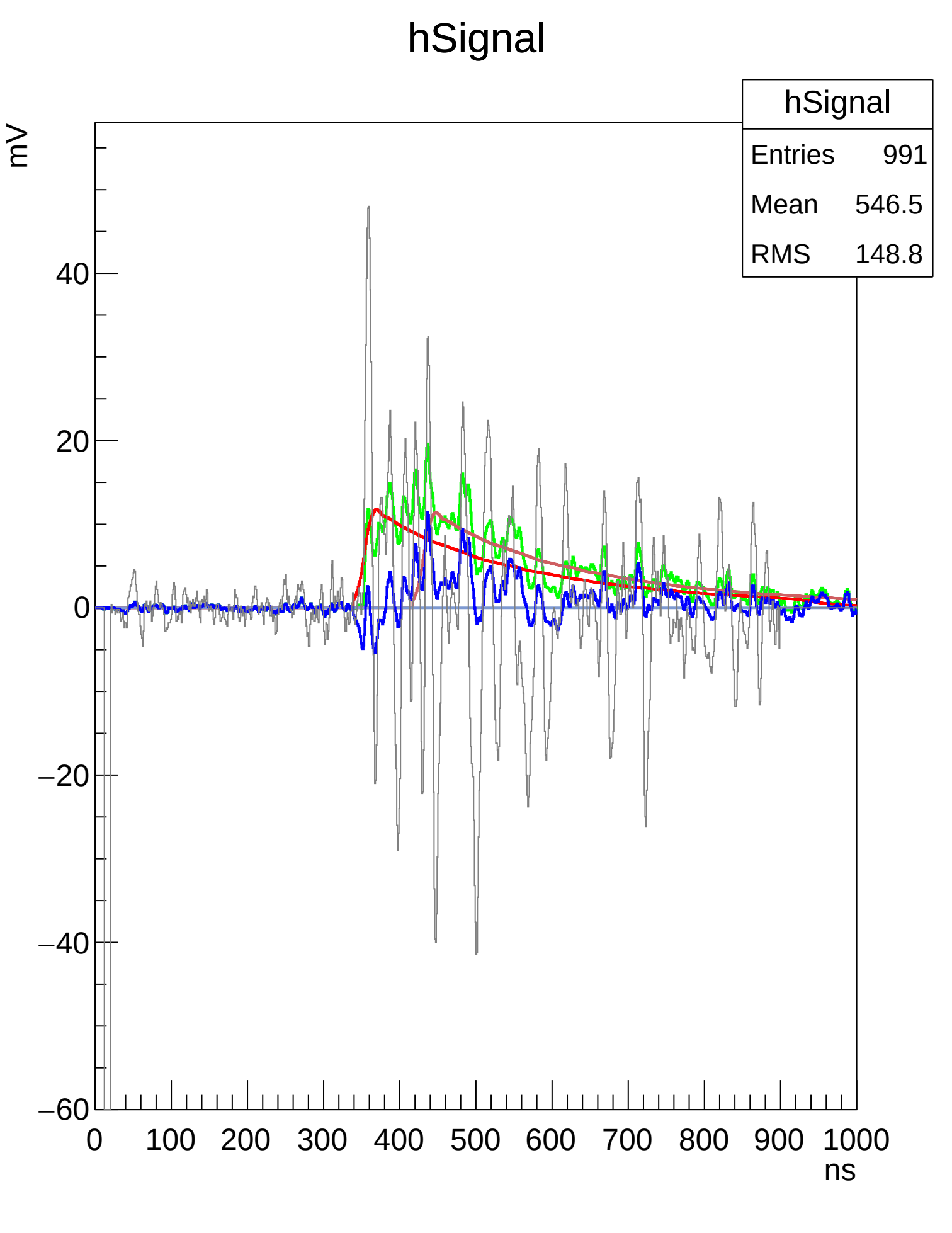
hSignal
hSignal
Entries 991
Mean 546.5
RMS 148.8
mV
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20
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−20
−40
−60
0
100
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600
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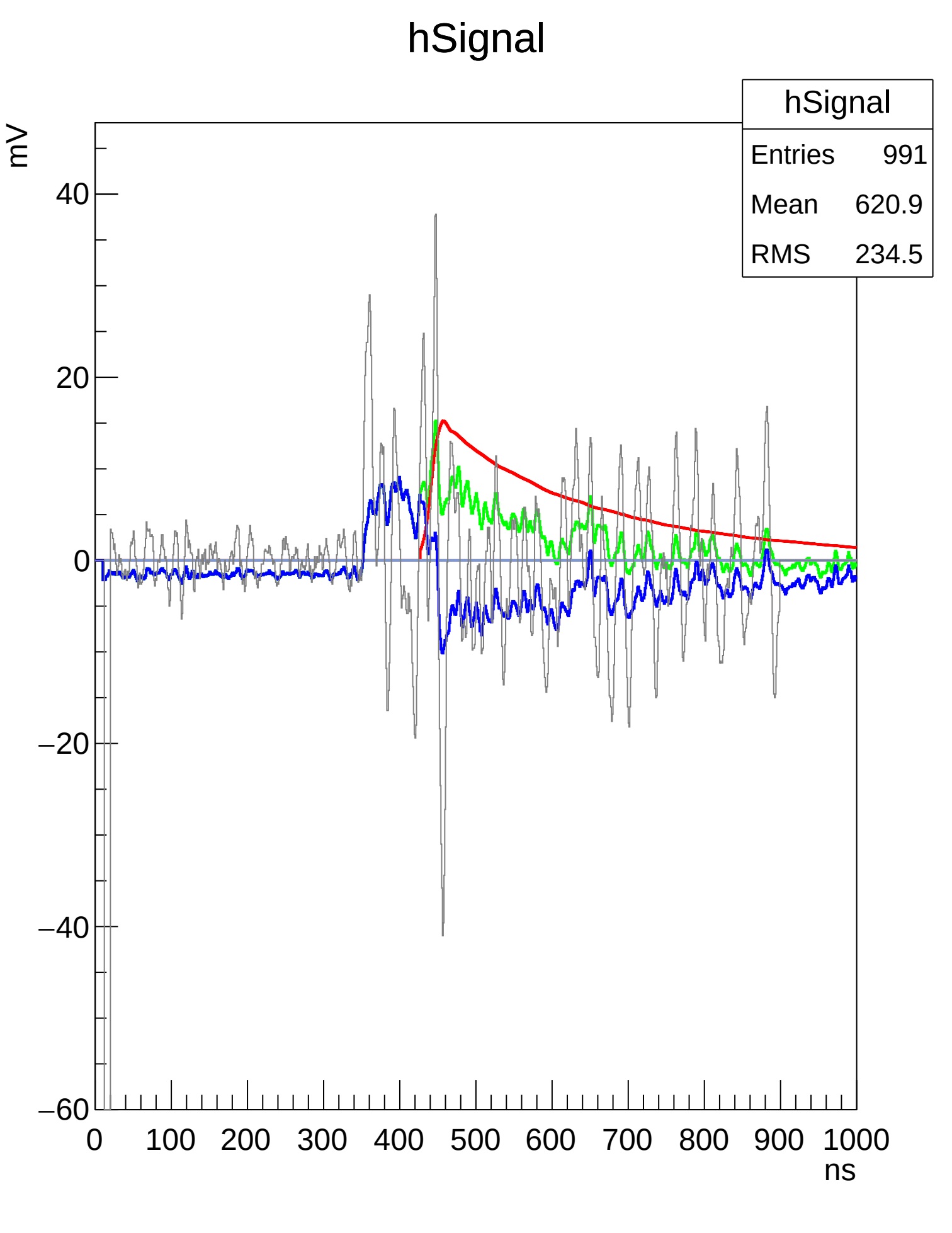
hSignal
hSignal
Entries 991
Mean 620.9
RMS 234.5
mV
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0
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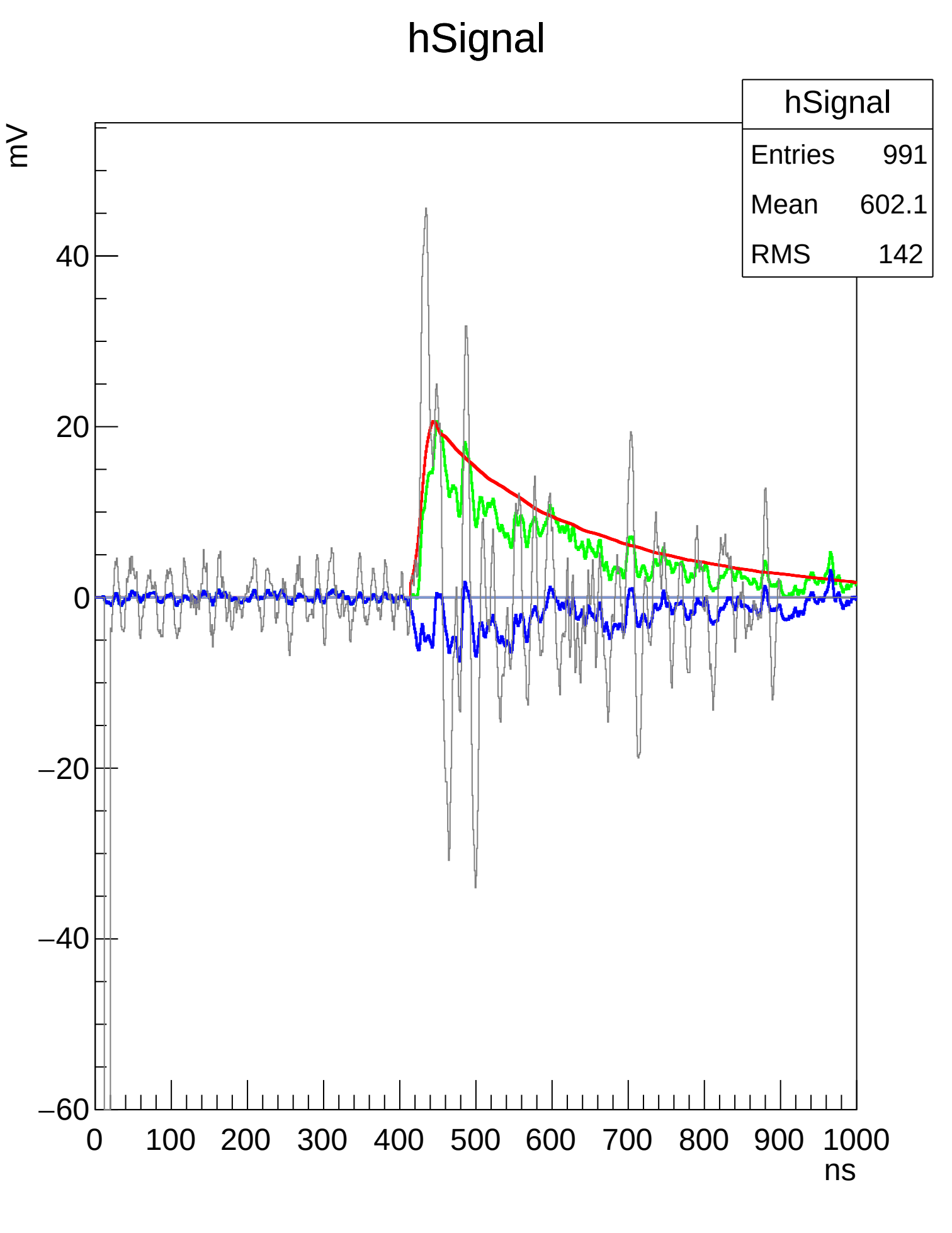
hSignal
hSignal
Entries 991
Mean 602.1
RMS 142
mV
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−20
−40
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0
100
200
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600
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800
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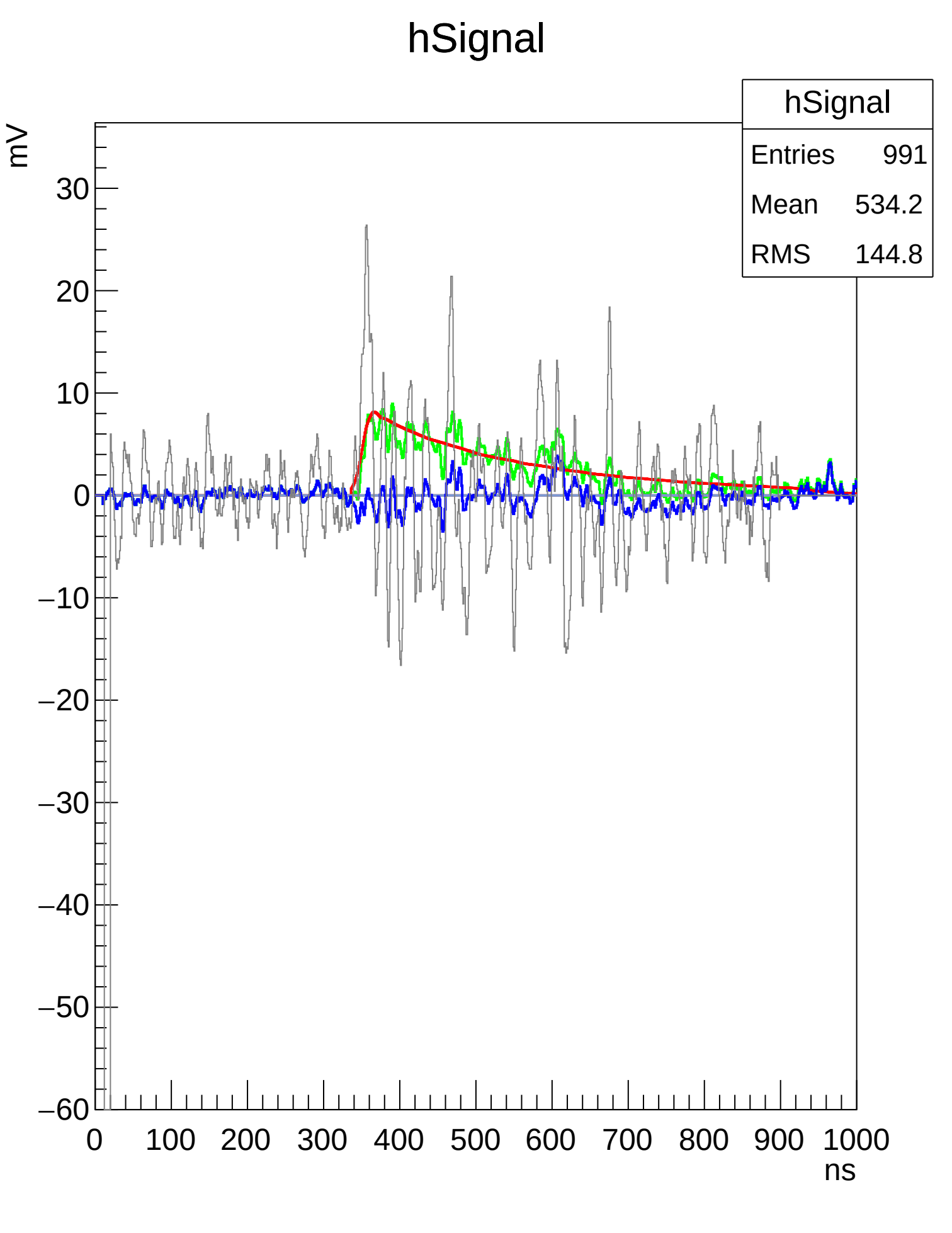
1000
ns


hSignal
hSignal
Entries 991
Mean 534.2
RMS 144.8
mV
30
20
10
0
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−40
−50
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0
100
200
300
400
500
600
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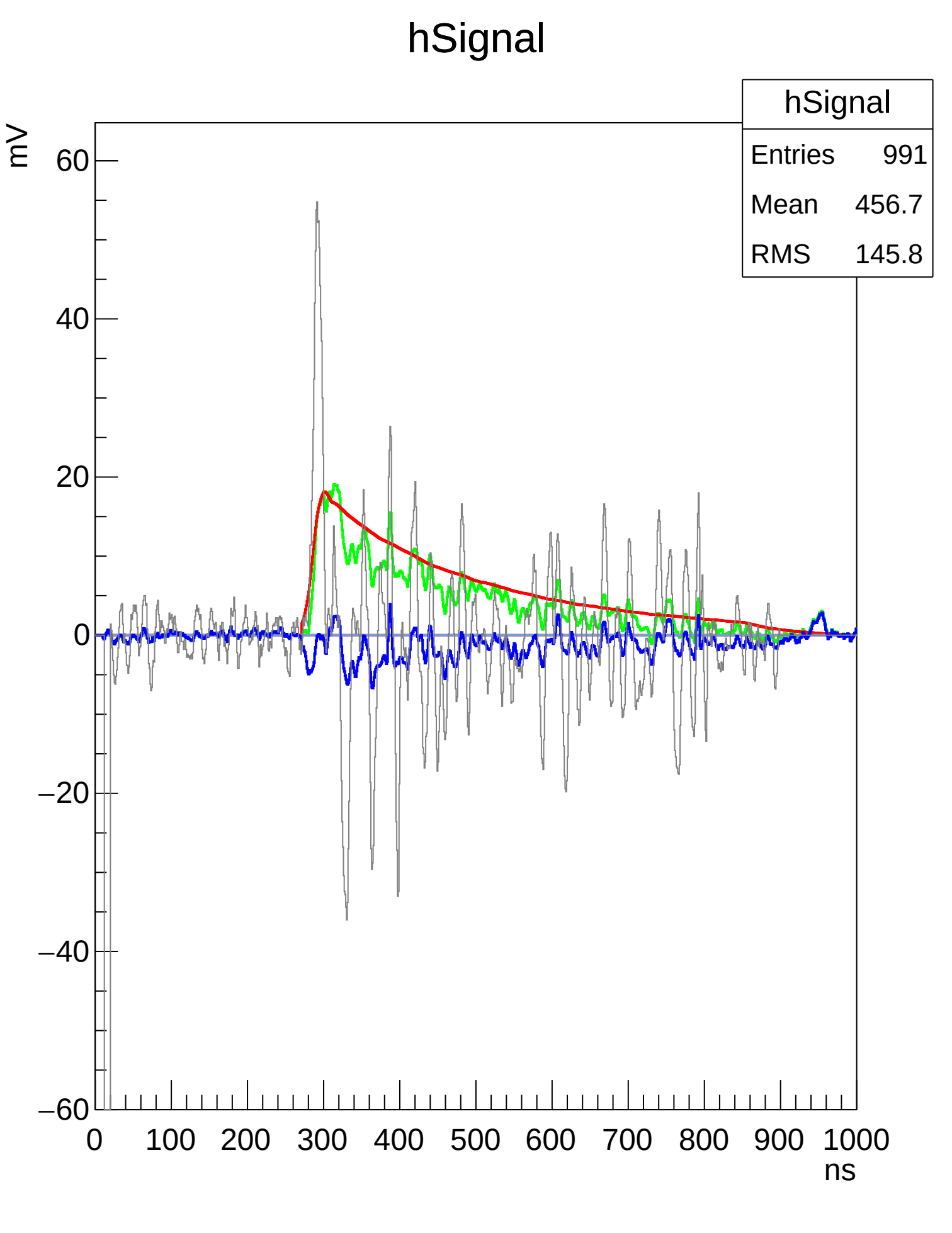
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 456.7
RMS 145.8
mV
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−20
−40
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0
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1000
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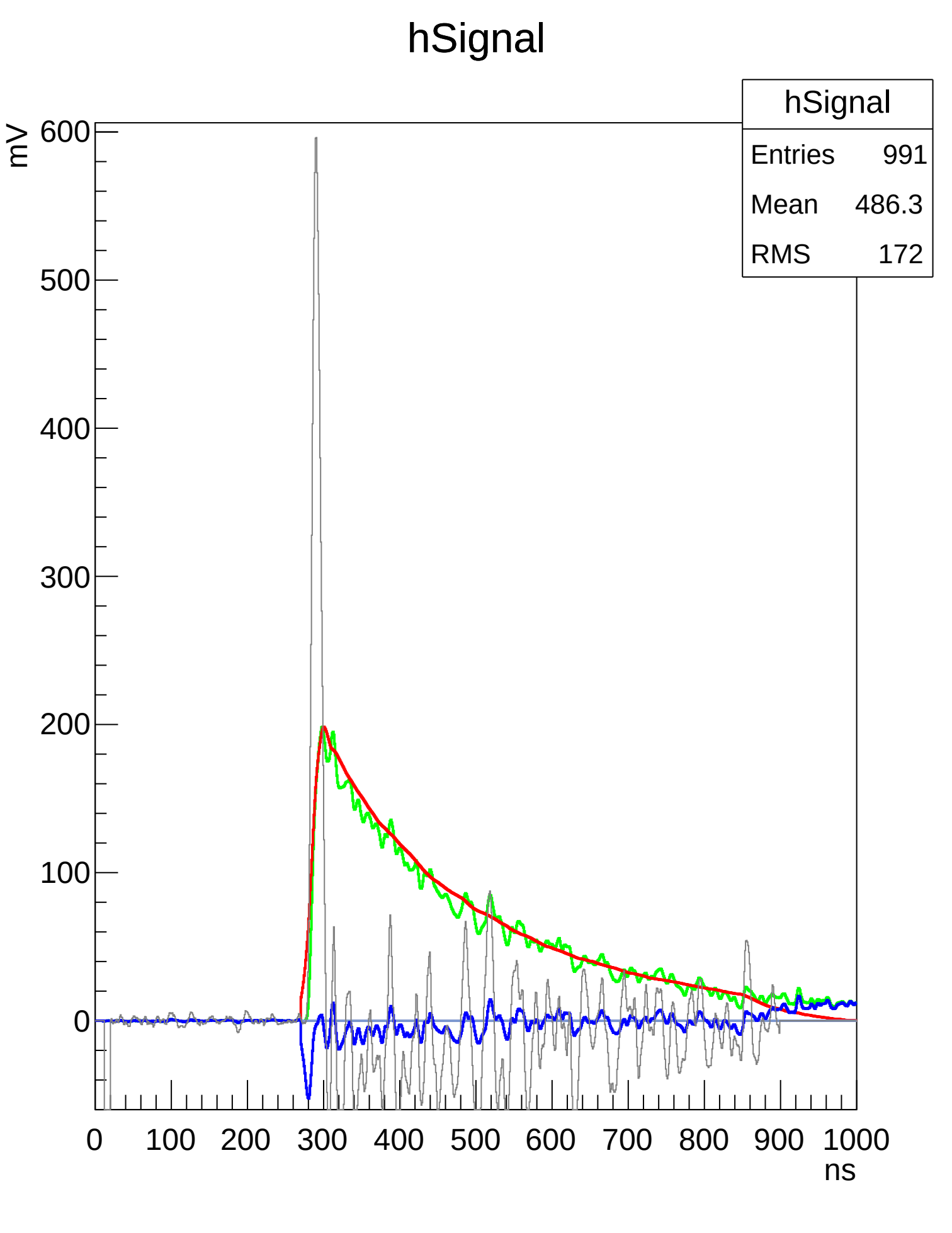
hSignal
hSignal
Entries 991
Mean 486.3
RMS 172
mV
600
500
400
300
200
100
0
0
100
200
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400
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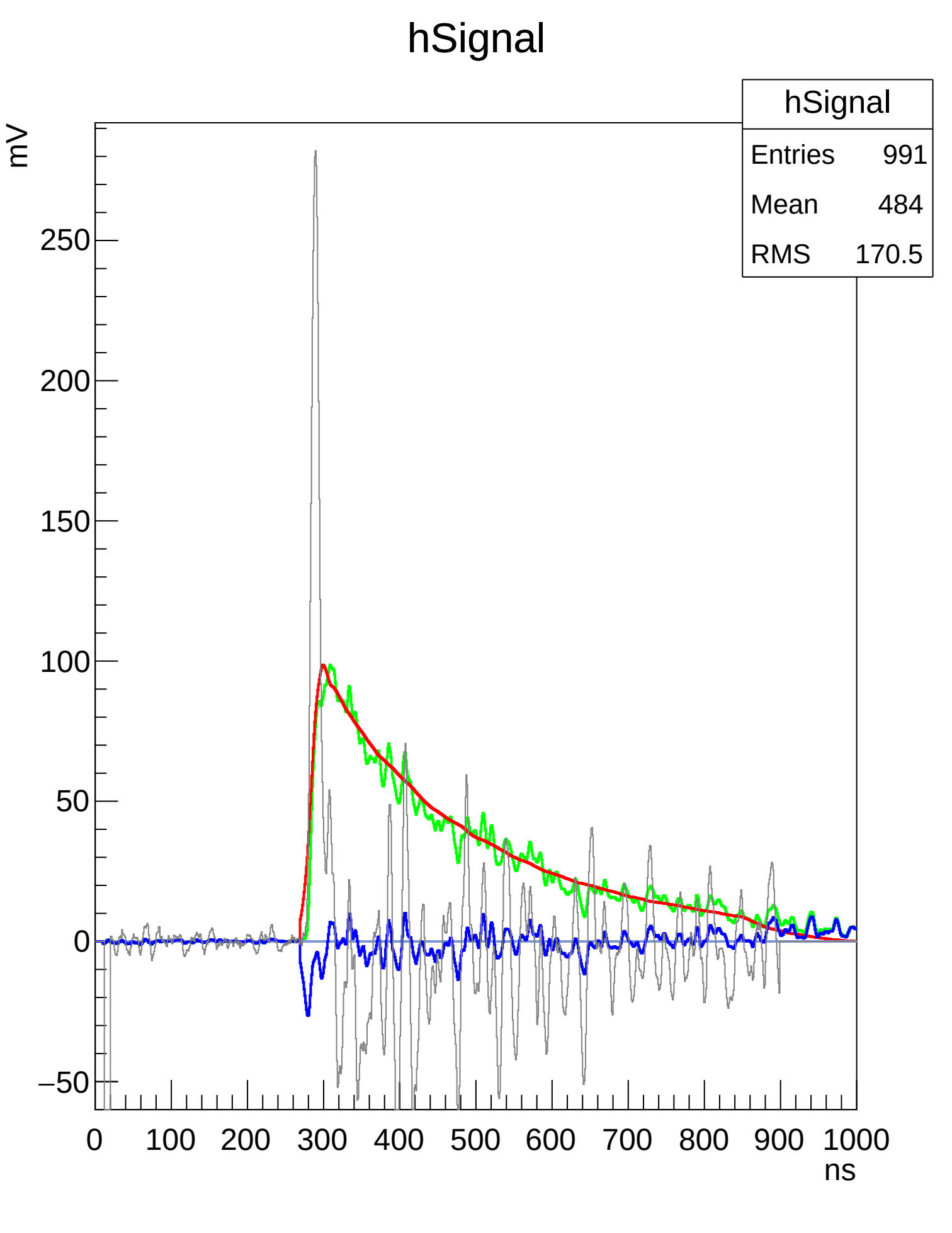
hSignal
hSignal
Entries 991
Mean 484
RMS 170.5
mV
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200
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100
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0
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1000
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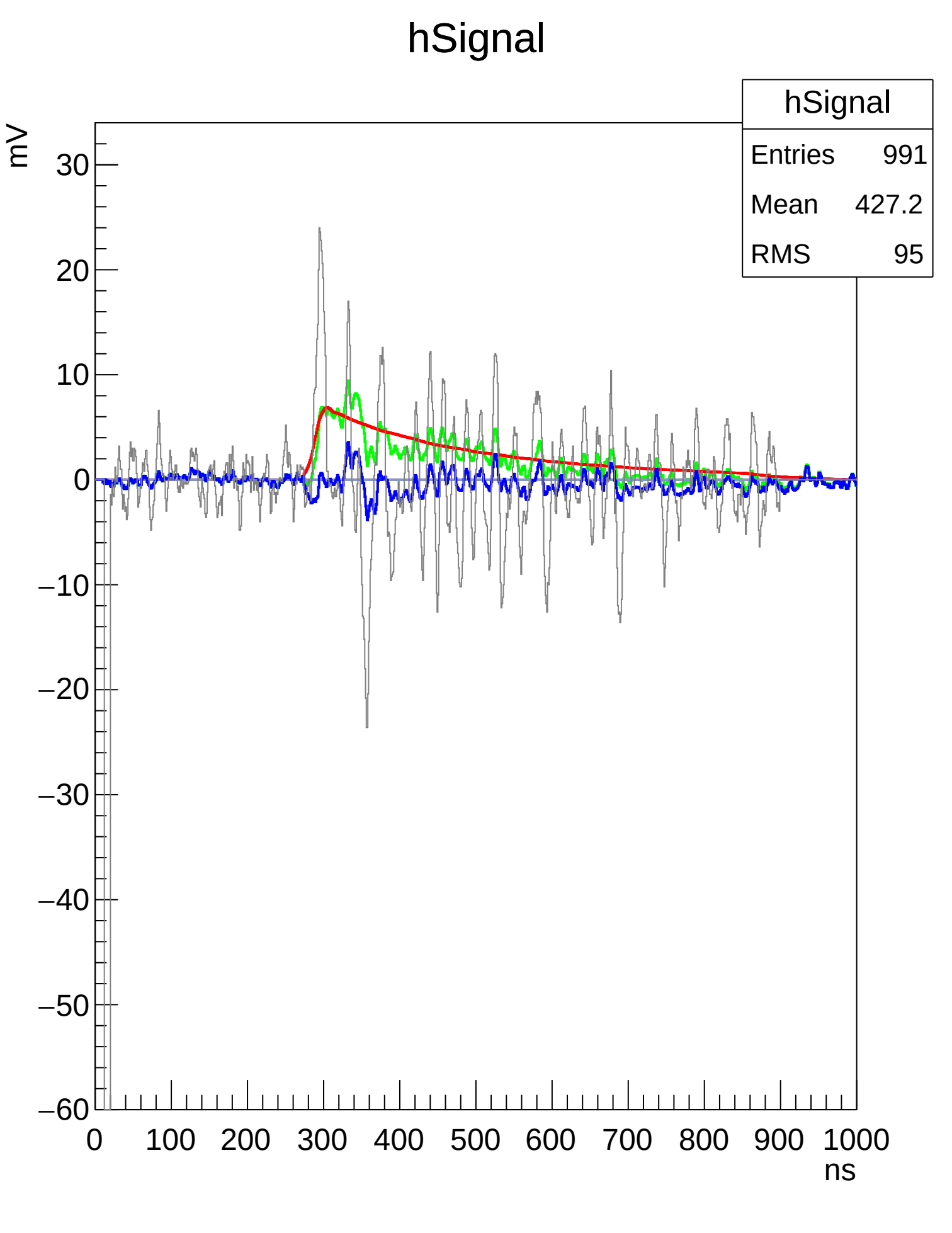
hSignal
hSignal
Entries 991
Mean 427.2
RMS 95
mV
30
20
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−50
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0
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1000
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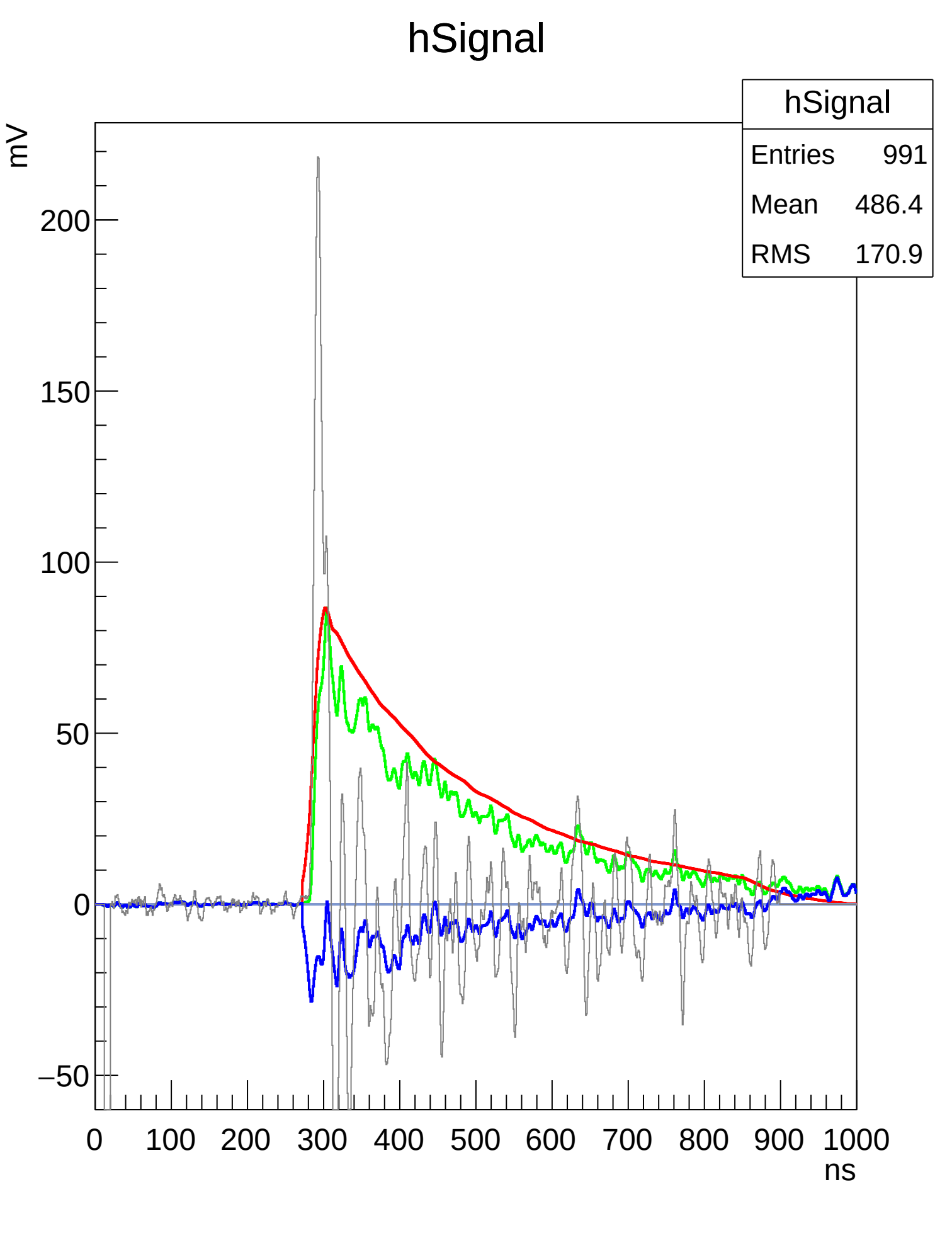
hSignal
hSignal
Entries 991
Mean 486.4
RMS 170.9
mV
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100
50
0
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1000
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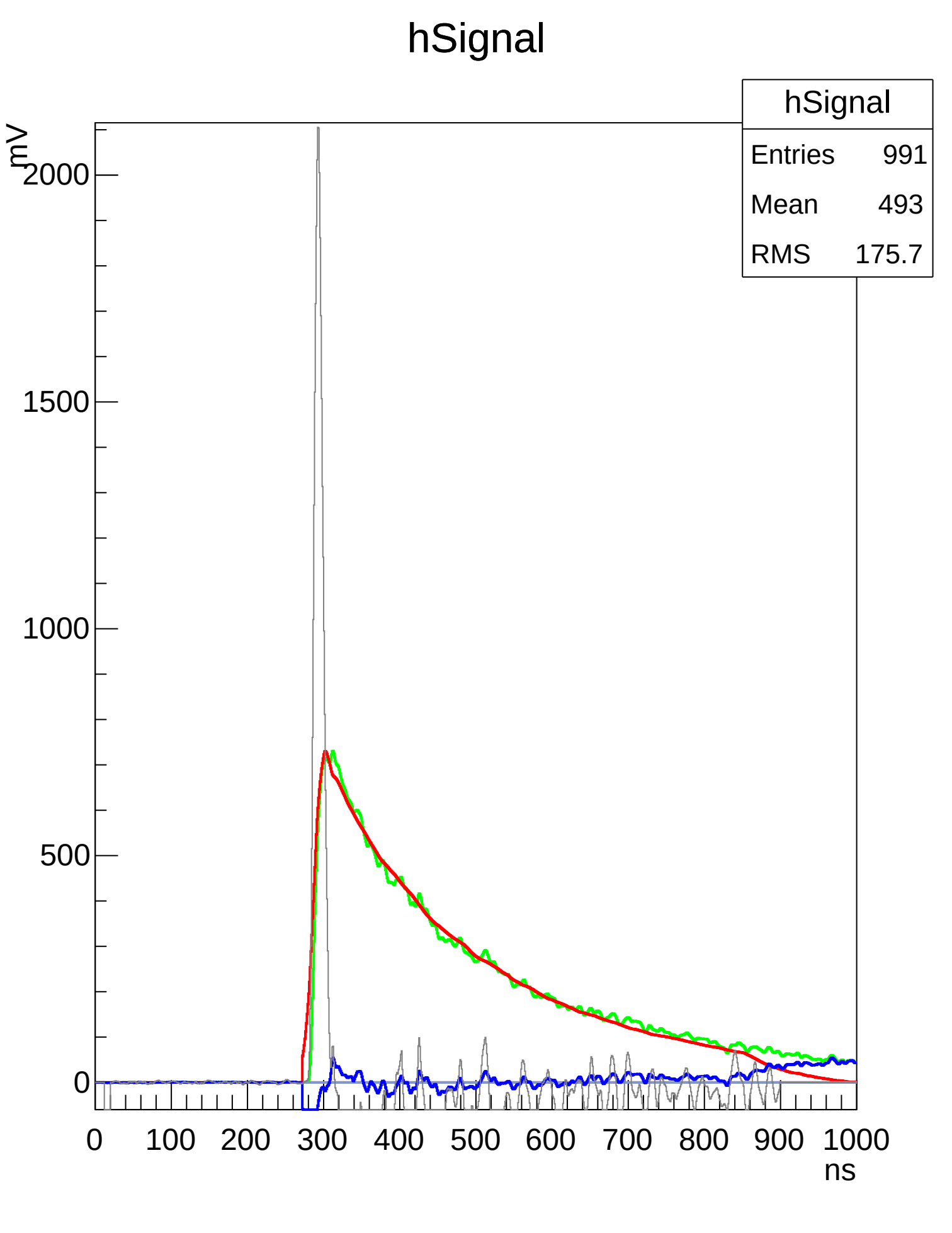
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hSignal
Entries 991
Mean 493
RMS 175.7
mV
2000
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1000
500
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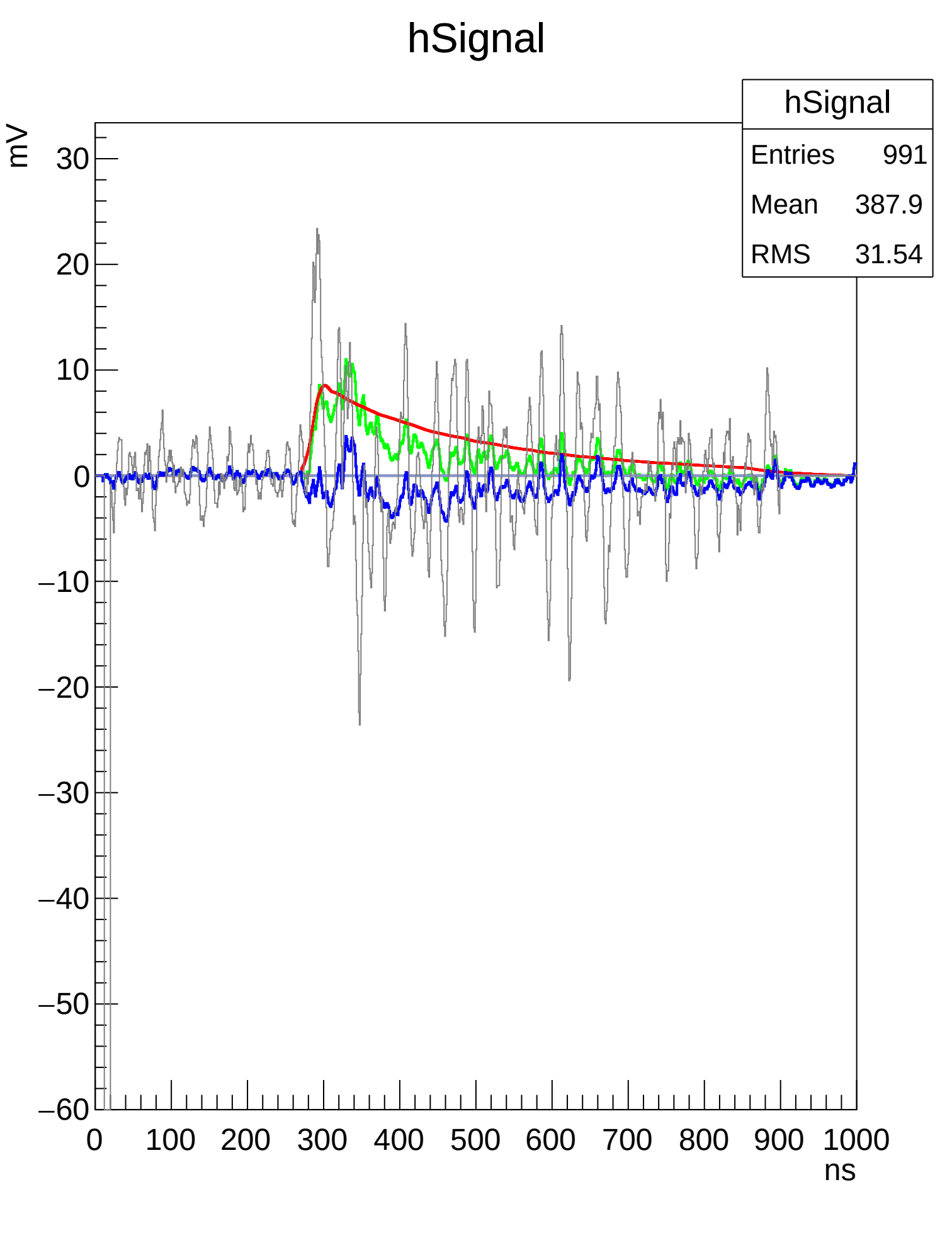
0 100 200 300 400 500 600 700 800 900 1000
ns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hSignal
Entries 991
Mean 387.9
RMS 31.54
mV
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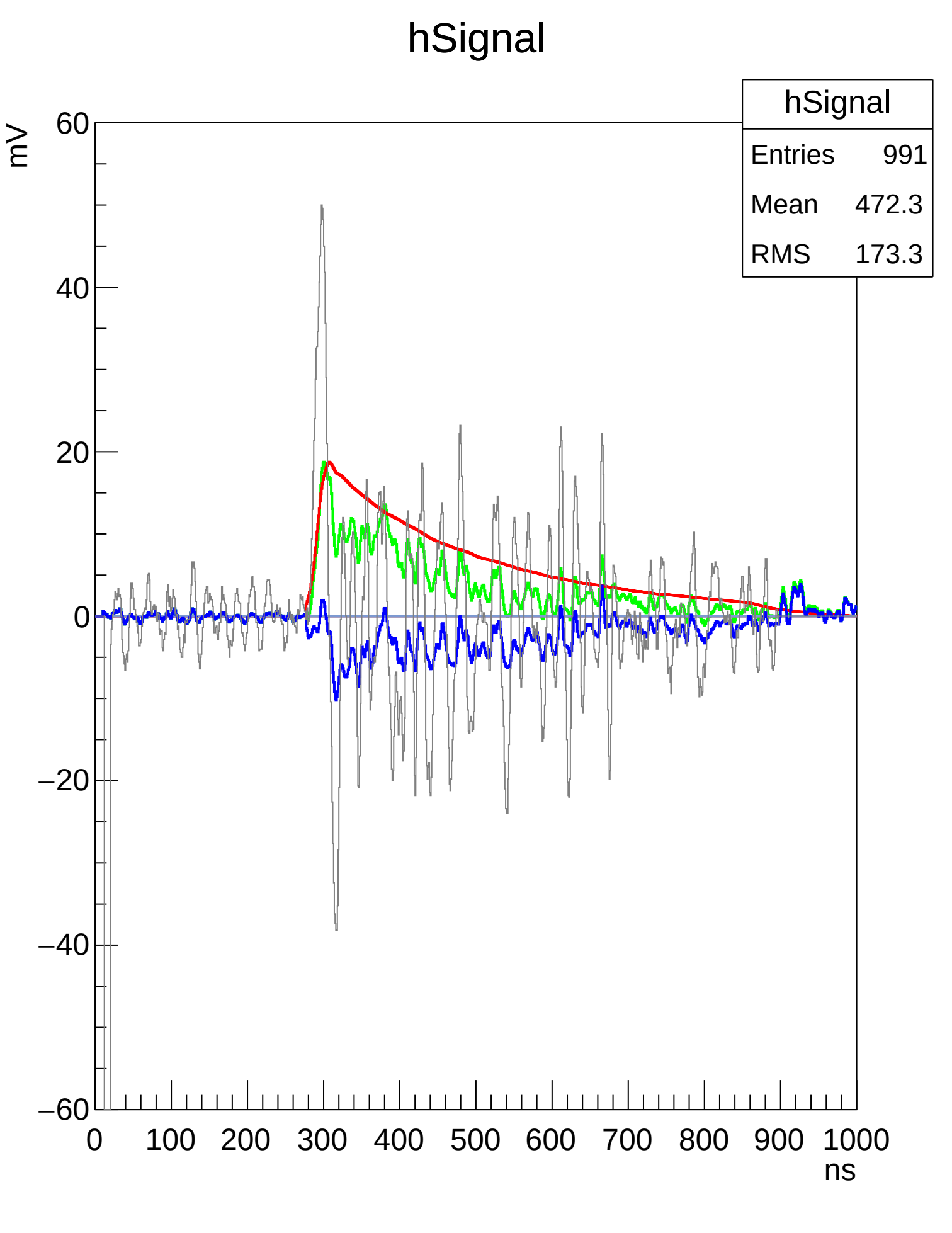
1000
ns


hSignal
hSignal
Entries 991
Mean 472.3
RMS 173.3
mV
60
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−20
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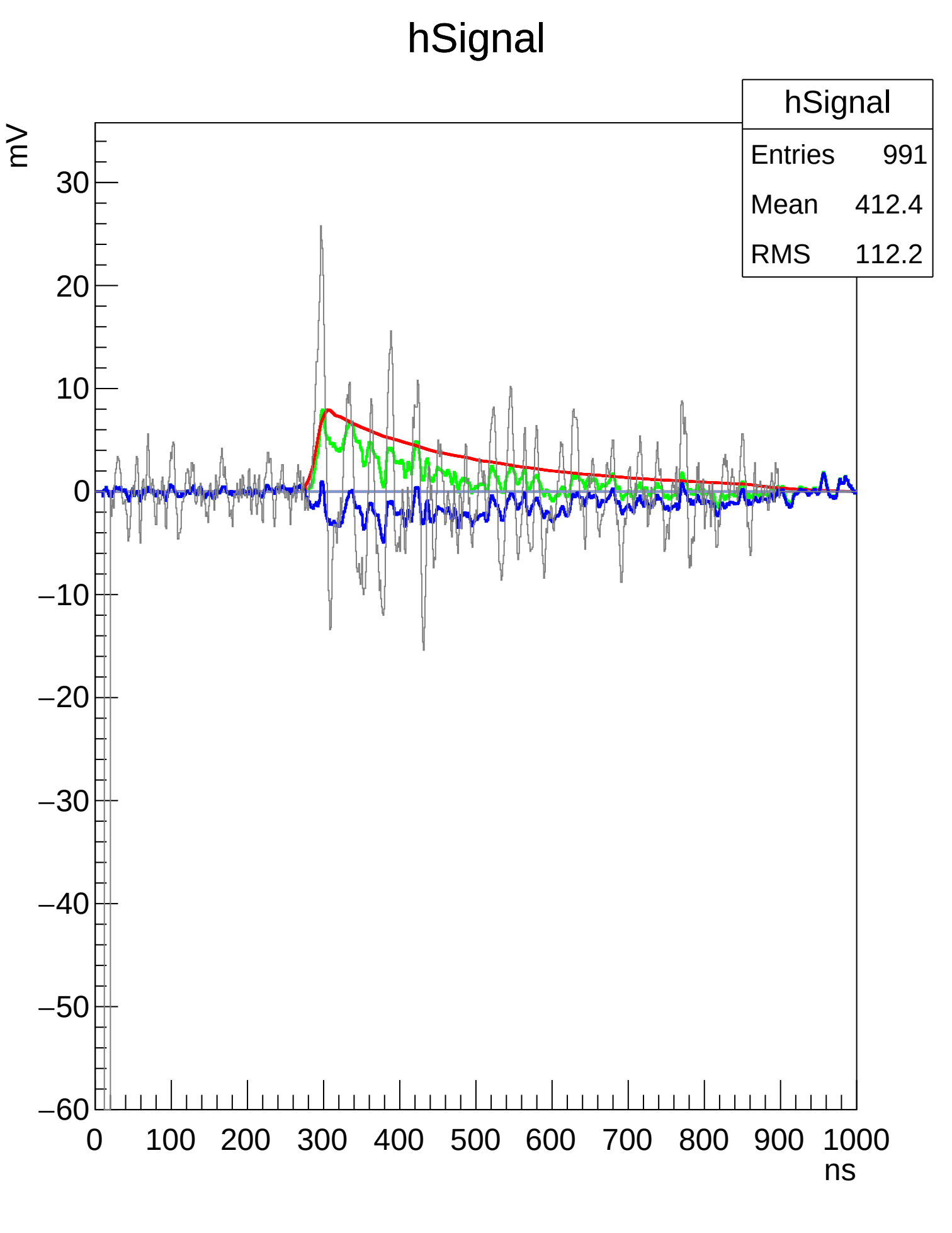
1000
ns


hSignal
hSignal
Entries 991
Mean 412.4
RMS 112.2
mV
30
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10
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−50
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800
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1000
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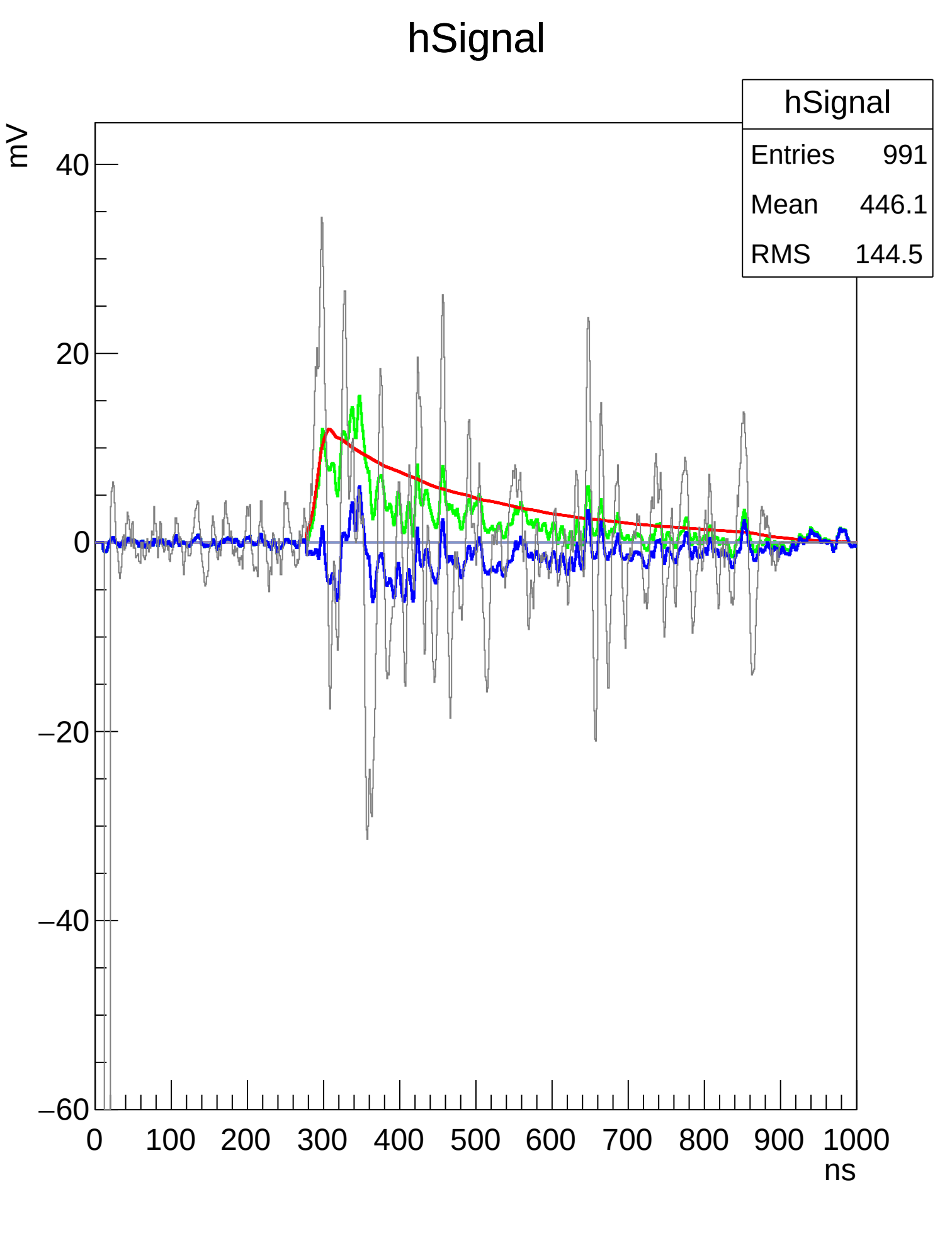
hSignal
hSignal
Entries 991
Mean 446.1
RMS 144.5
mV
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−20
−40
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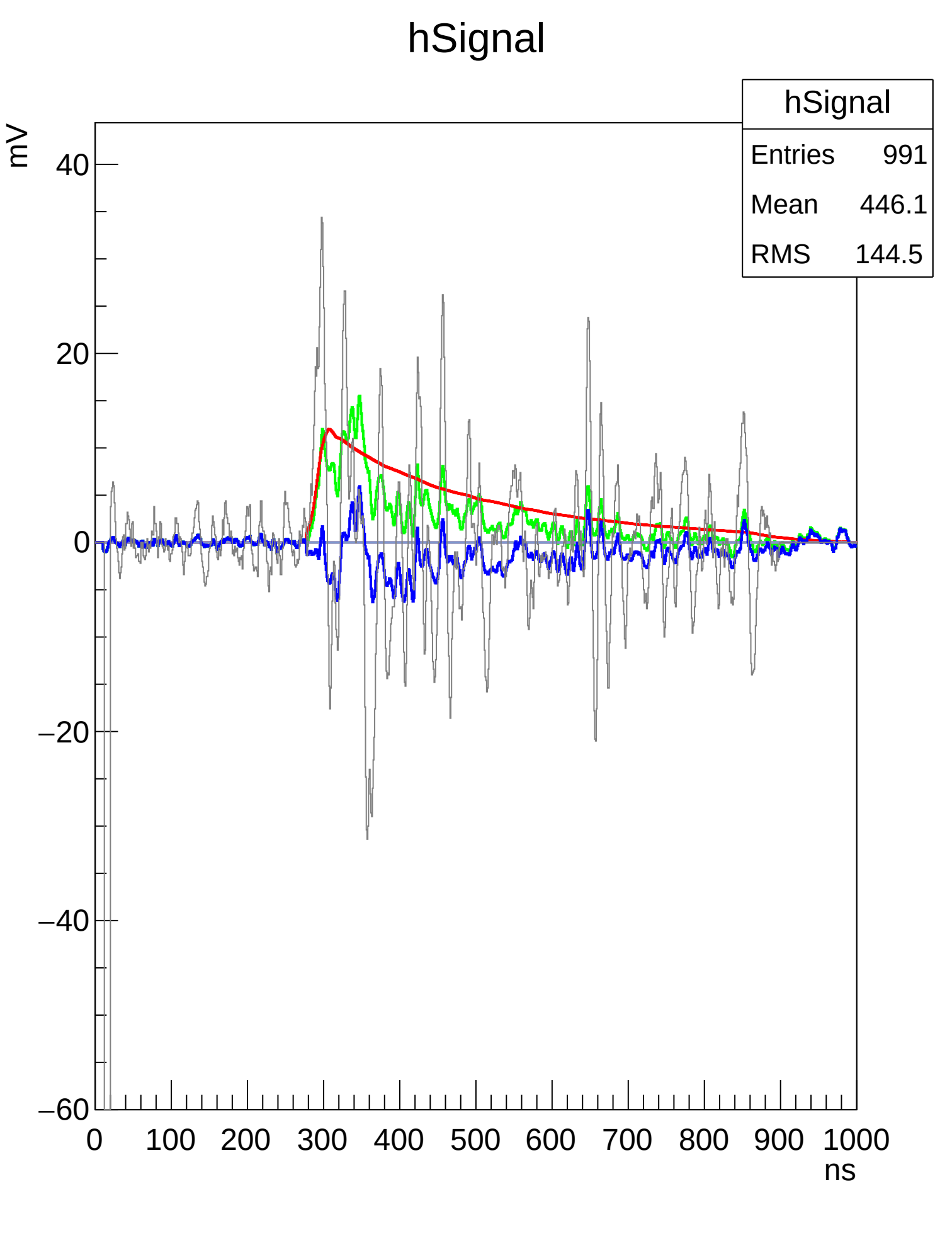
900
1000
ns


hSignal
hSignal
Entries 991
Mean 446.1
RMS 144.5
mV
40
20
0
−20
−40
−60
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100
200
300
400
500
600
700
800
900
1000
ns