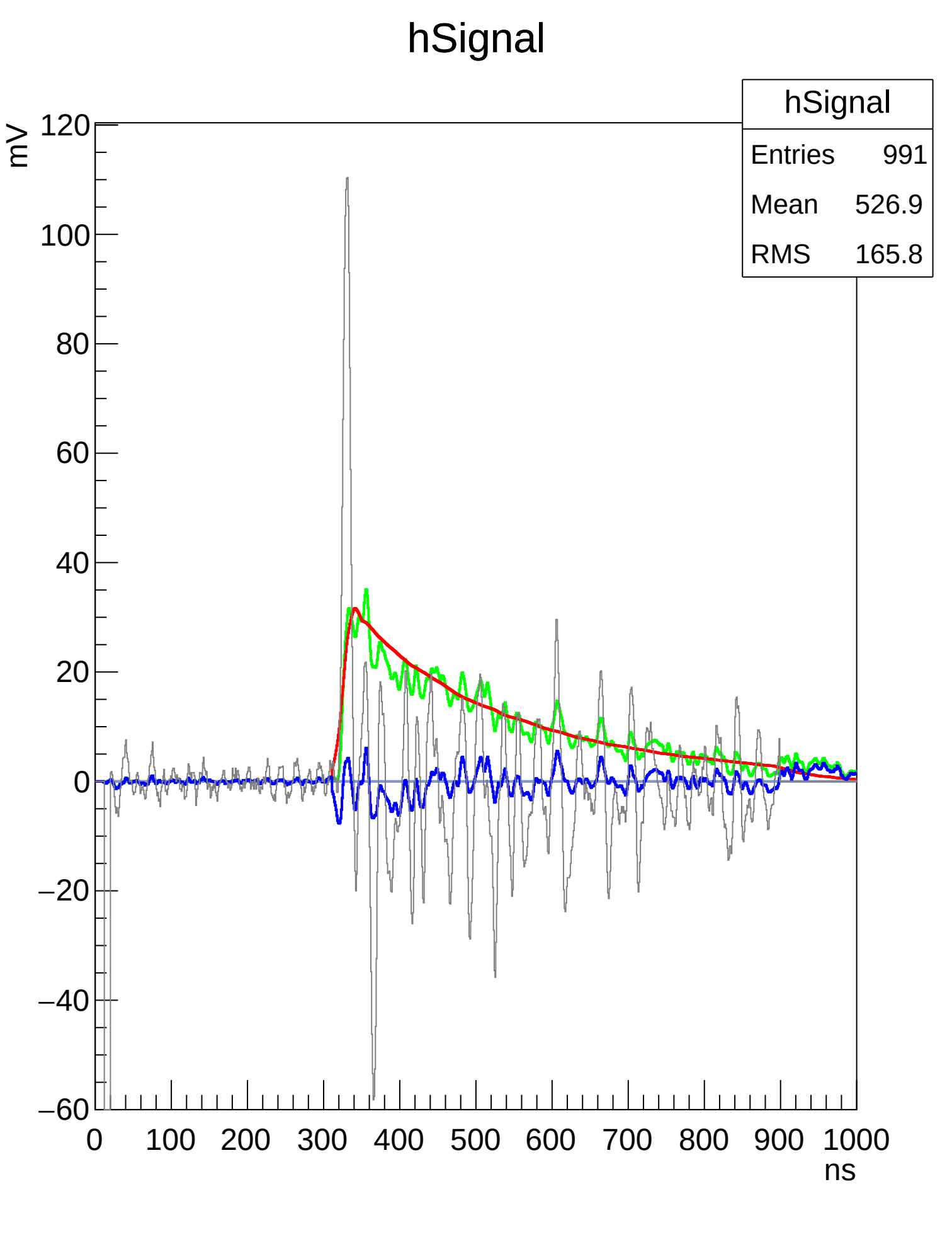
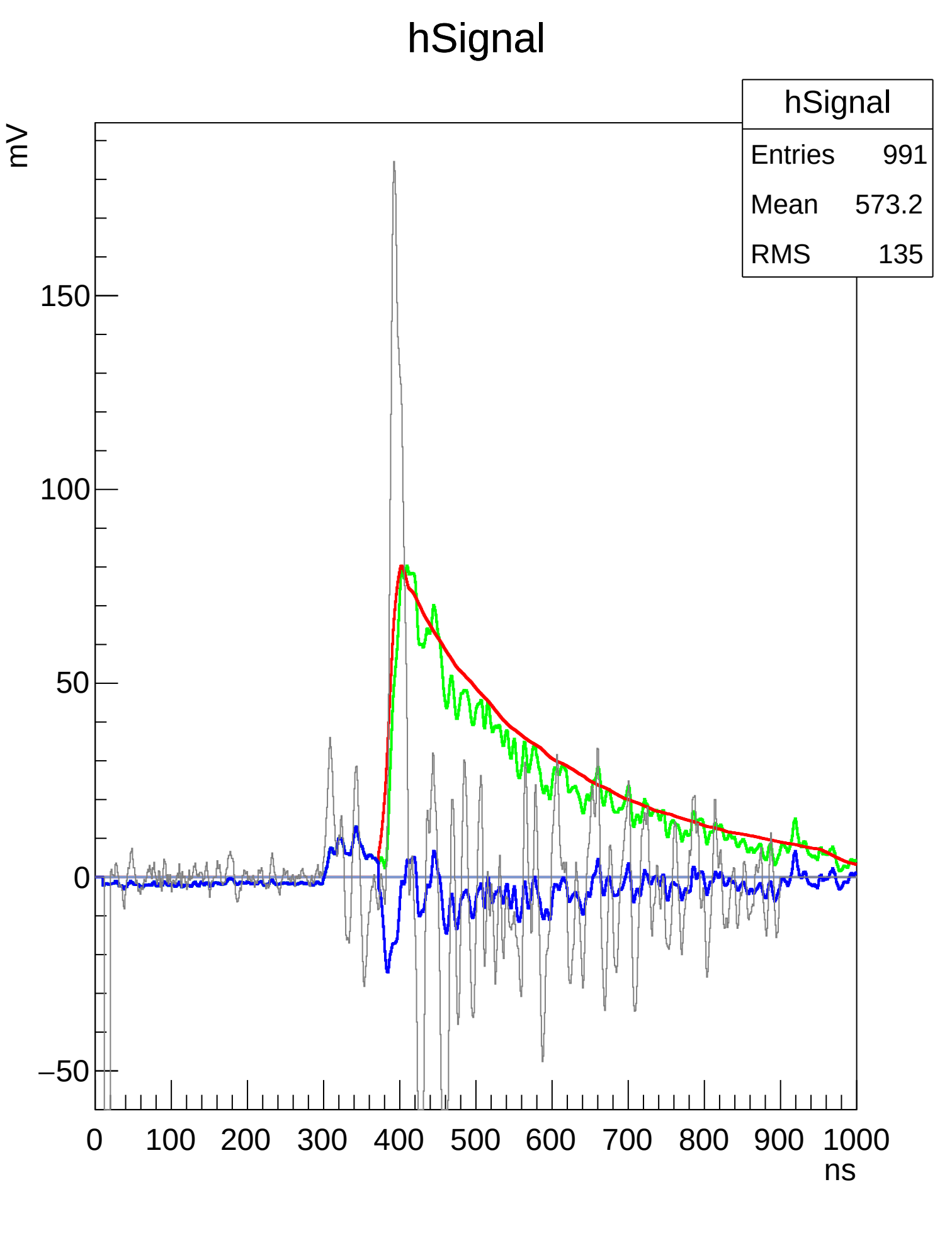
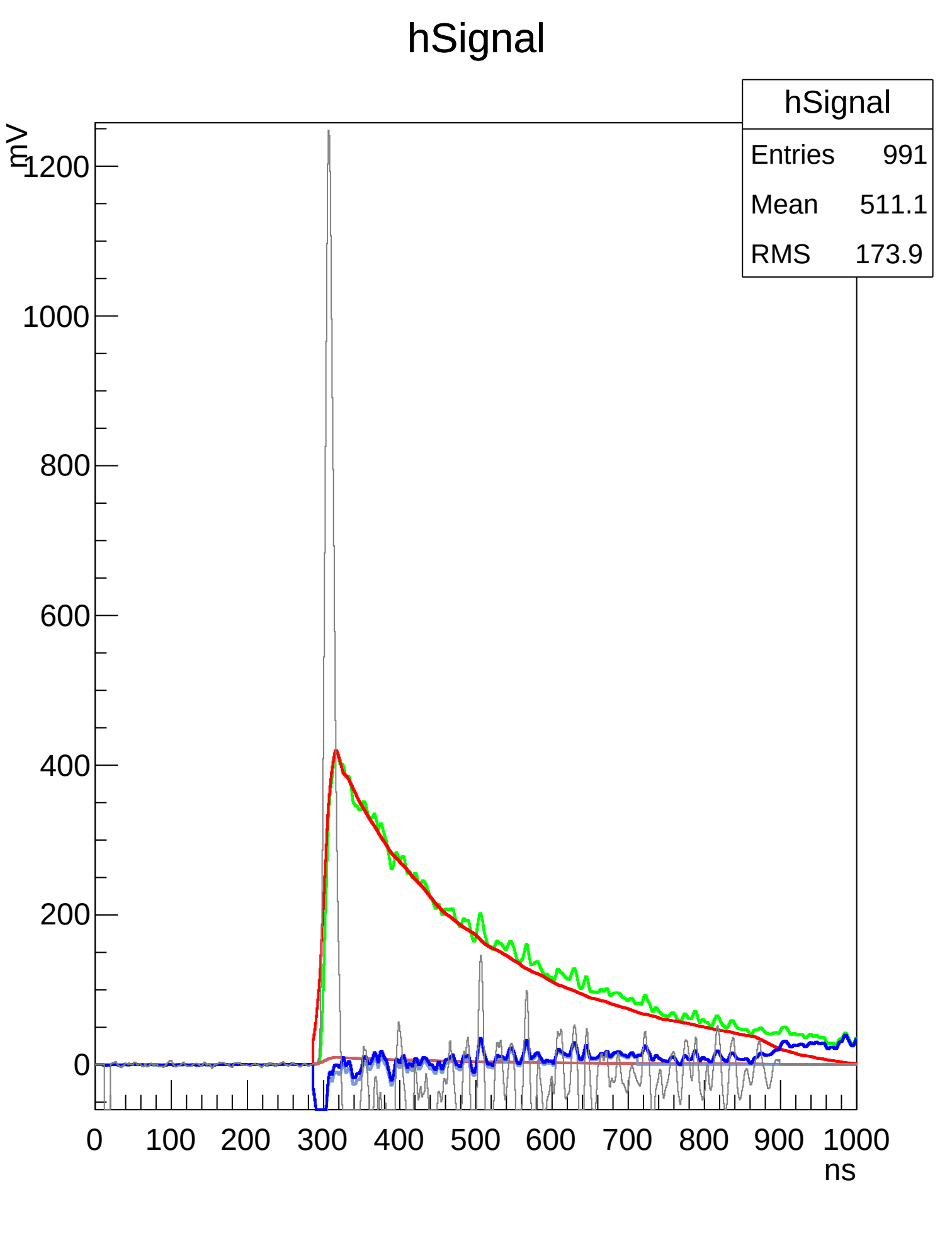
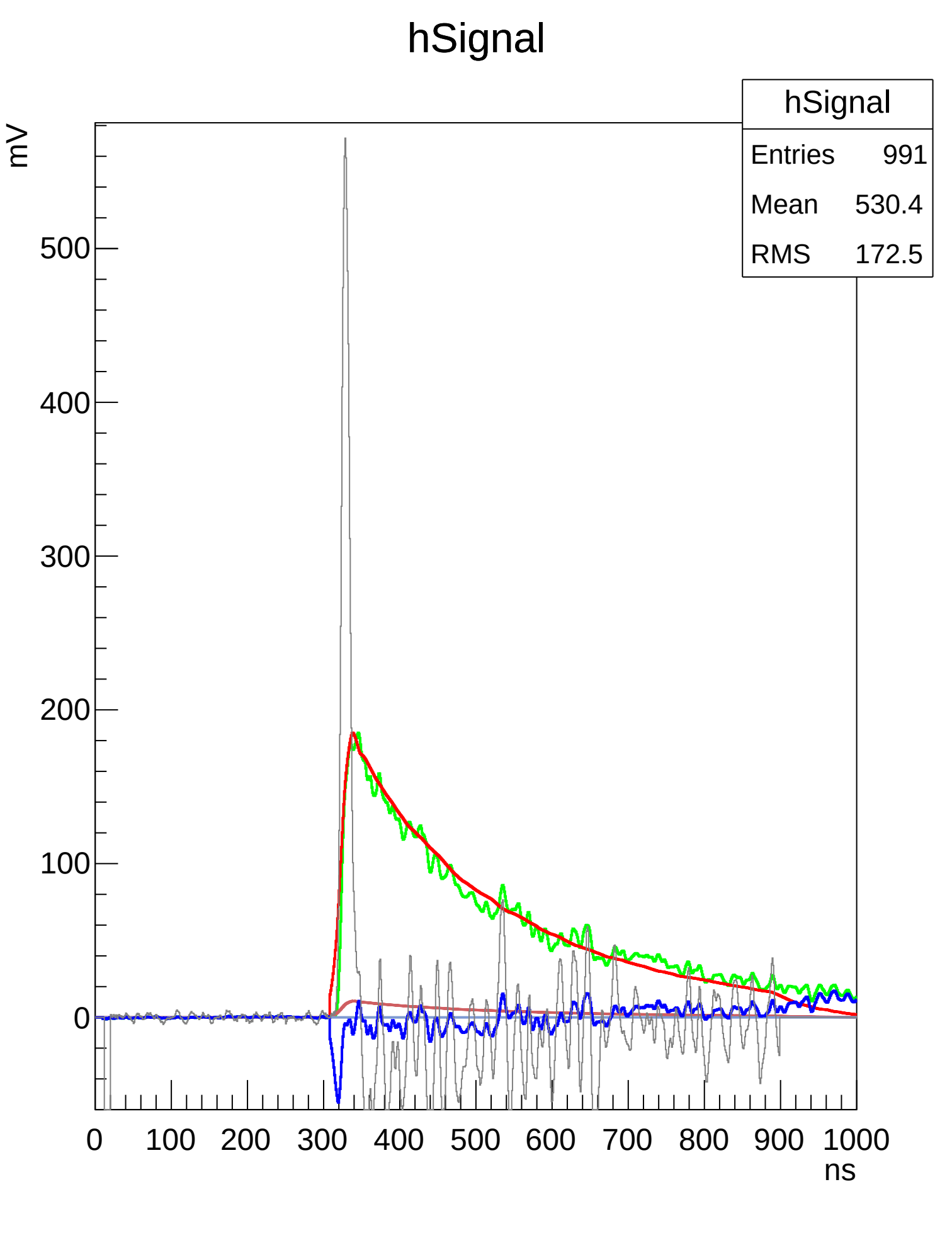
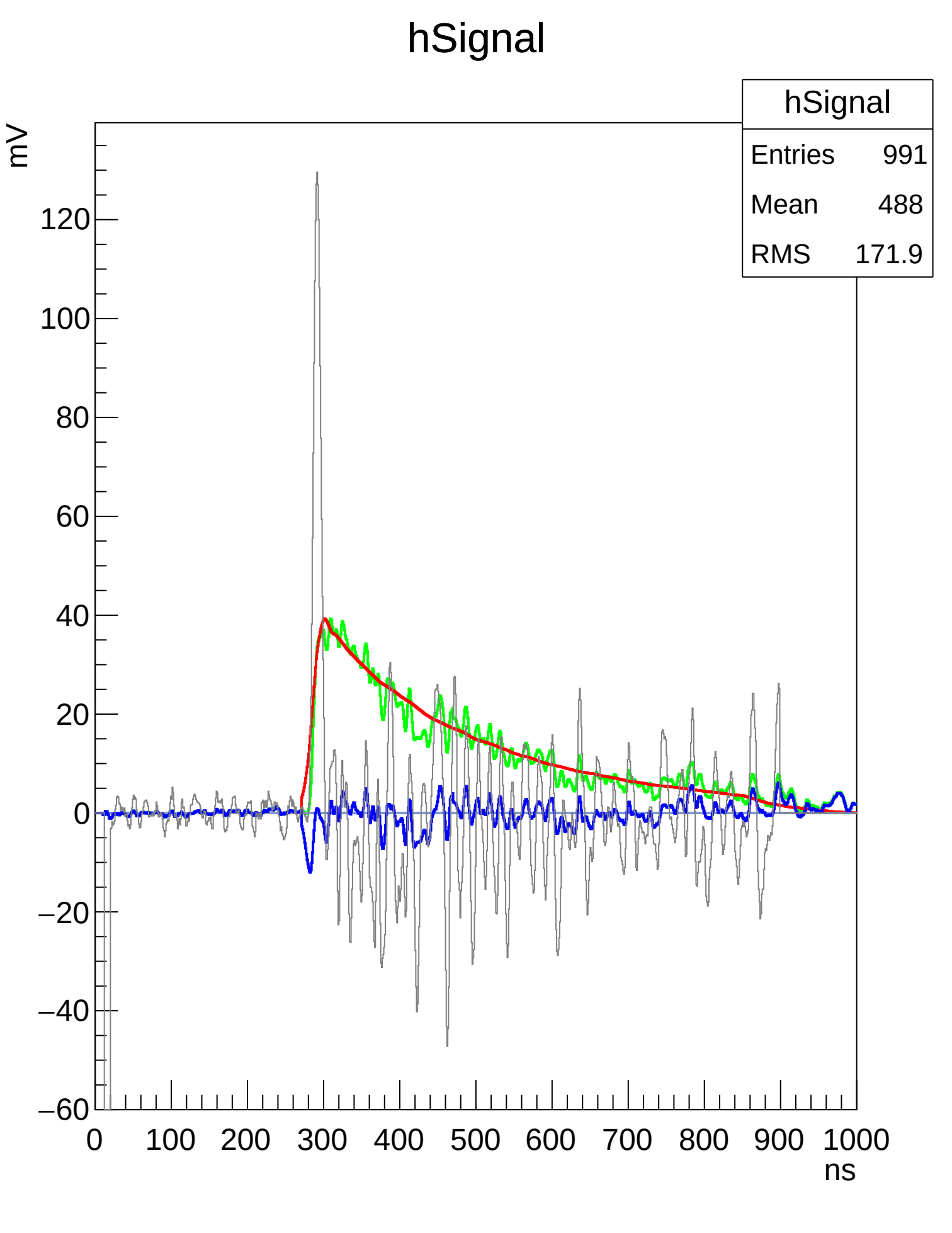
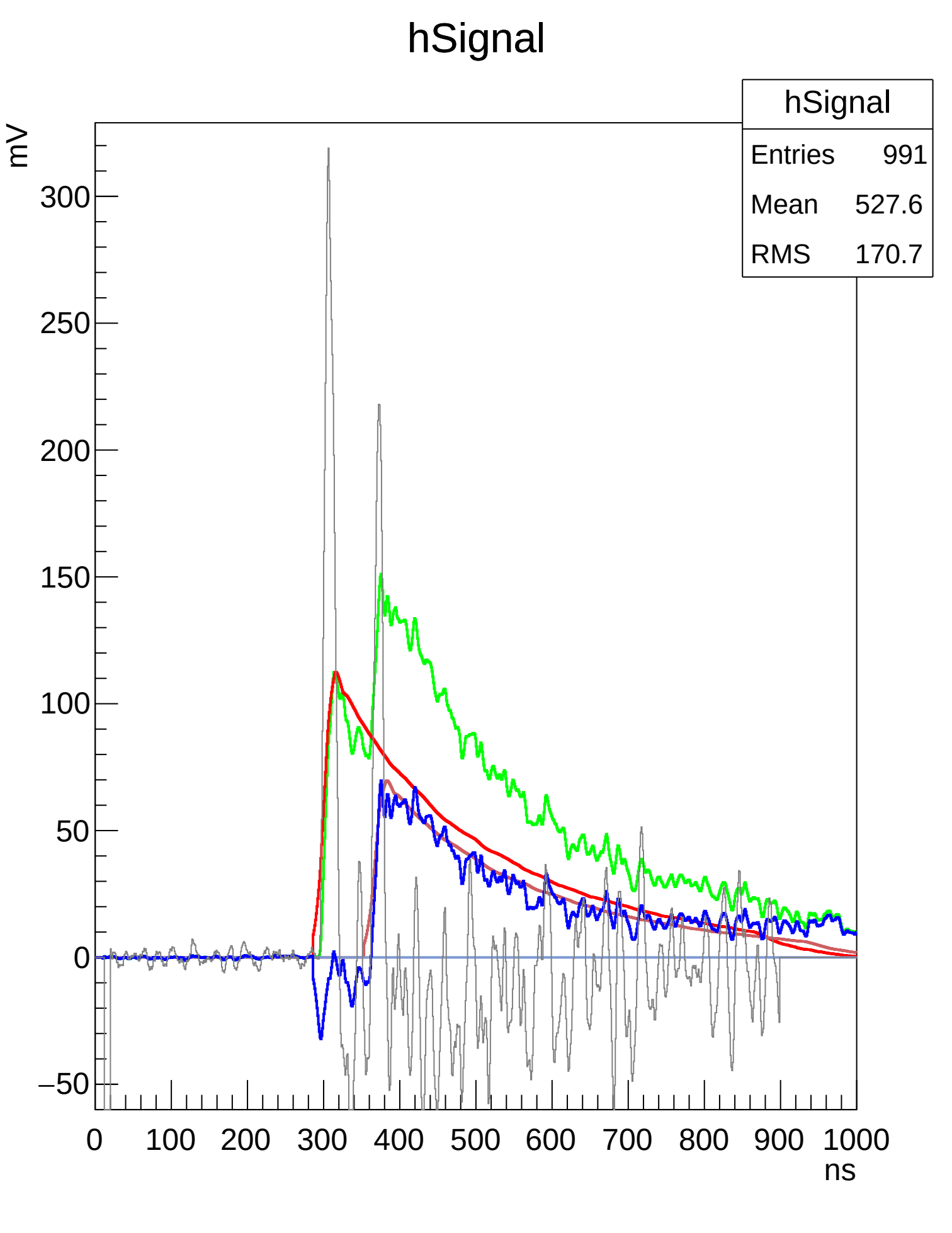

hSignal
hSignal
Entries 991
Mean 526.9
RMS 165.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

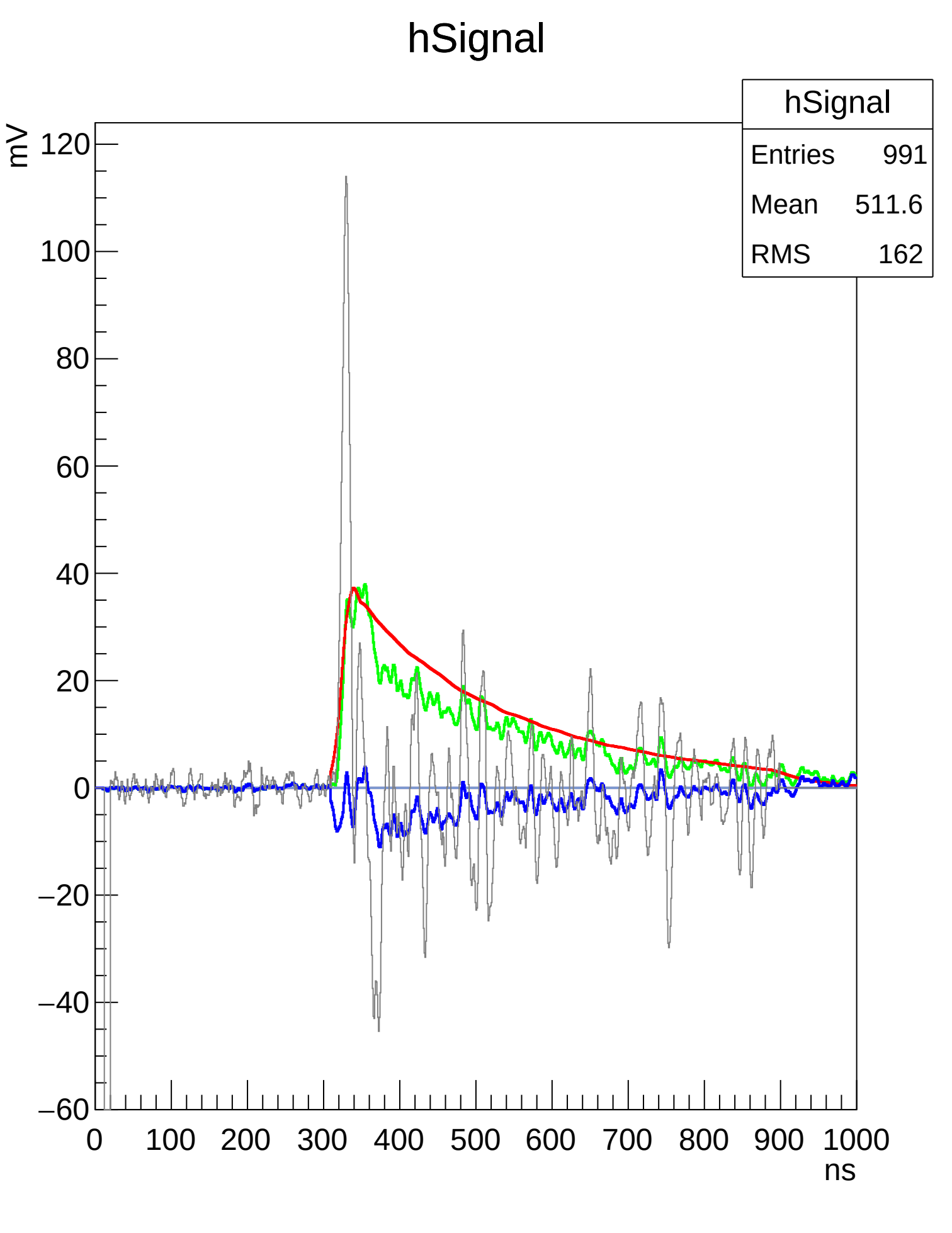

hSignal
hSignal
Entries 991
Mean 573.2
RMS 135
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

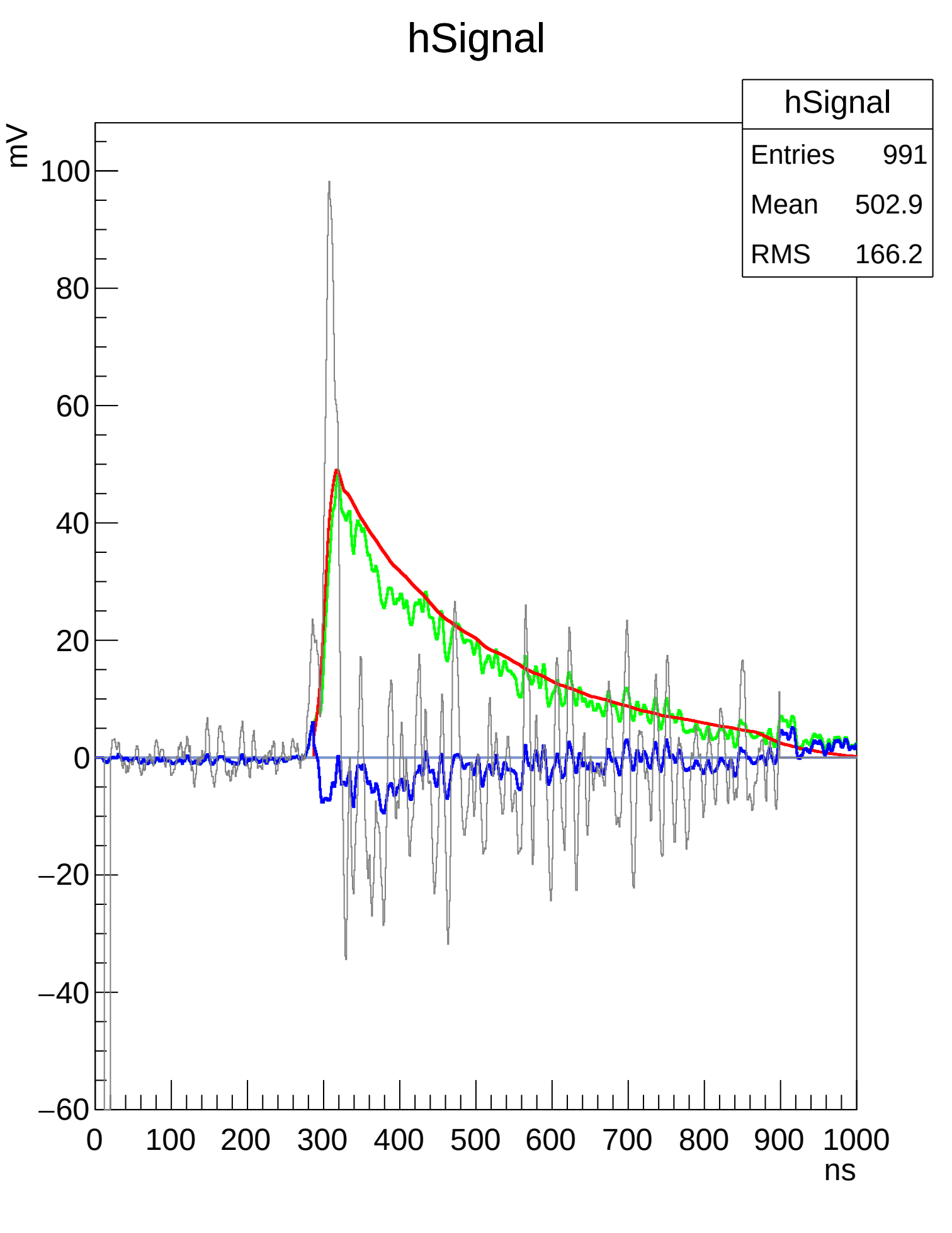

hSignal
hSignal
Entries 991
Mean 511.1
RMS 173.9
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

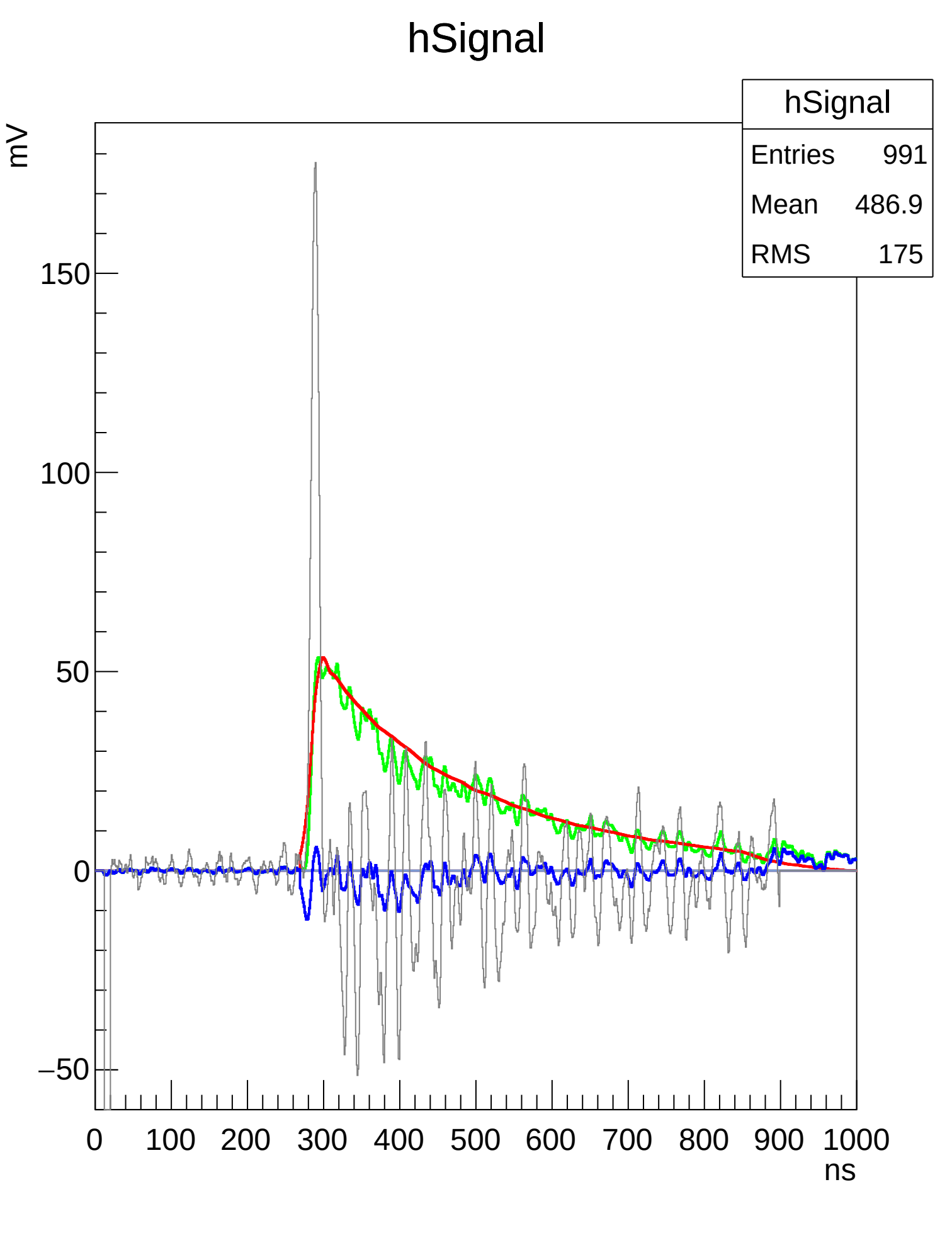

hSignal
hSignal
Entries 991
Mean 530.4
RMS 172.5
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

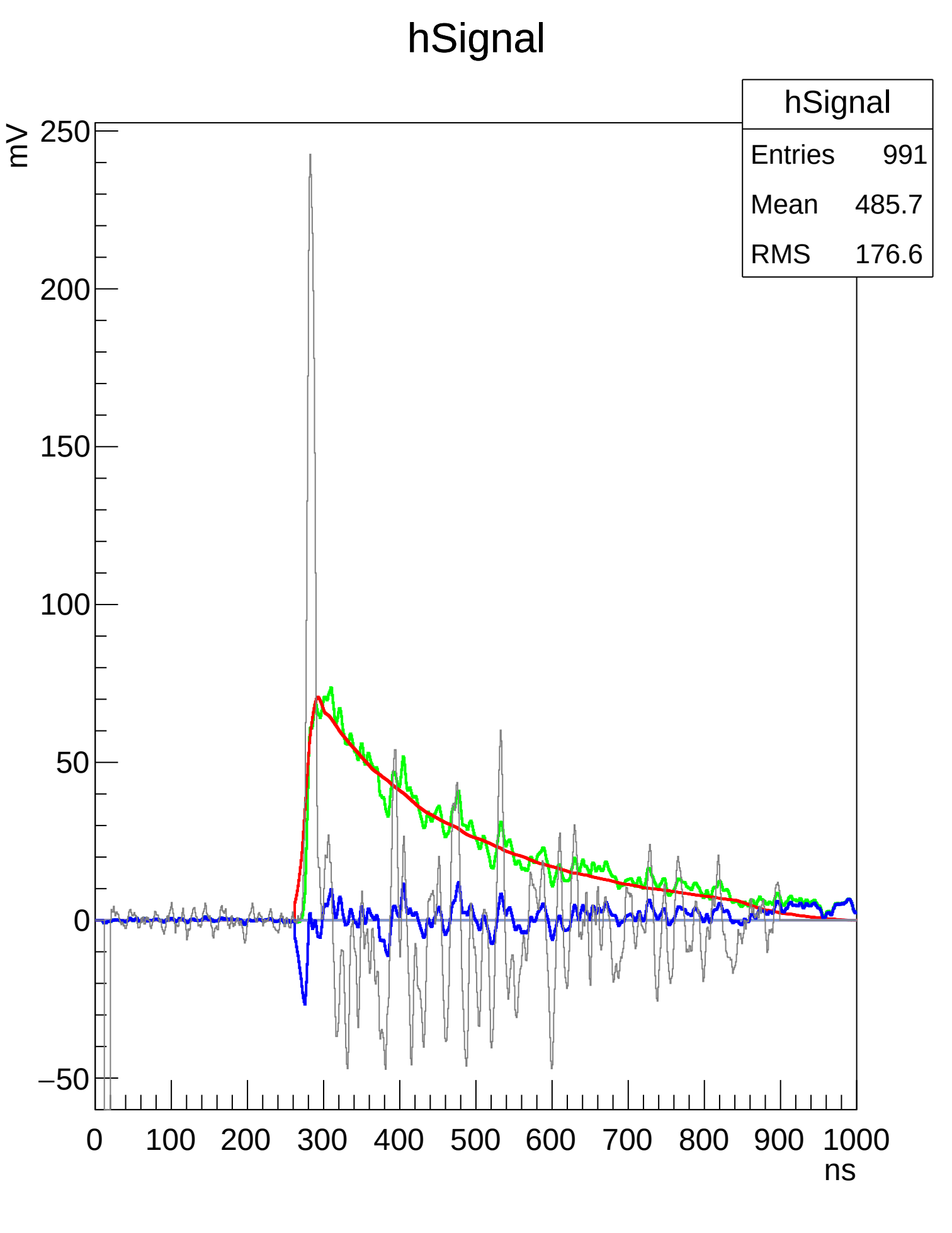

hSignal
hSignal
Entries 991
Mean 488
RMS 171.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

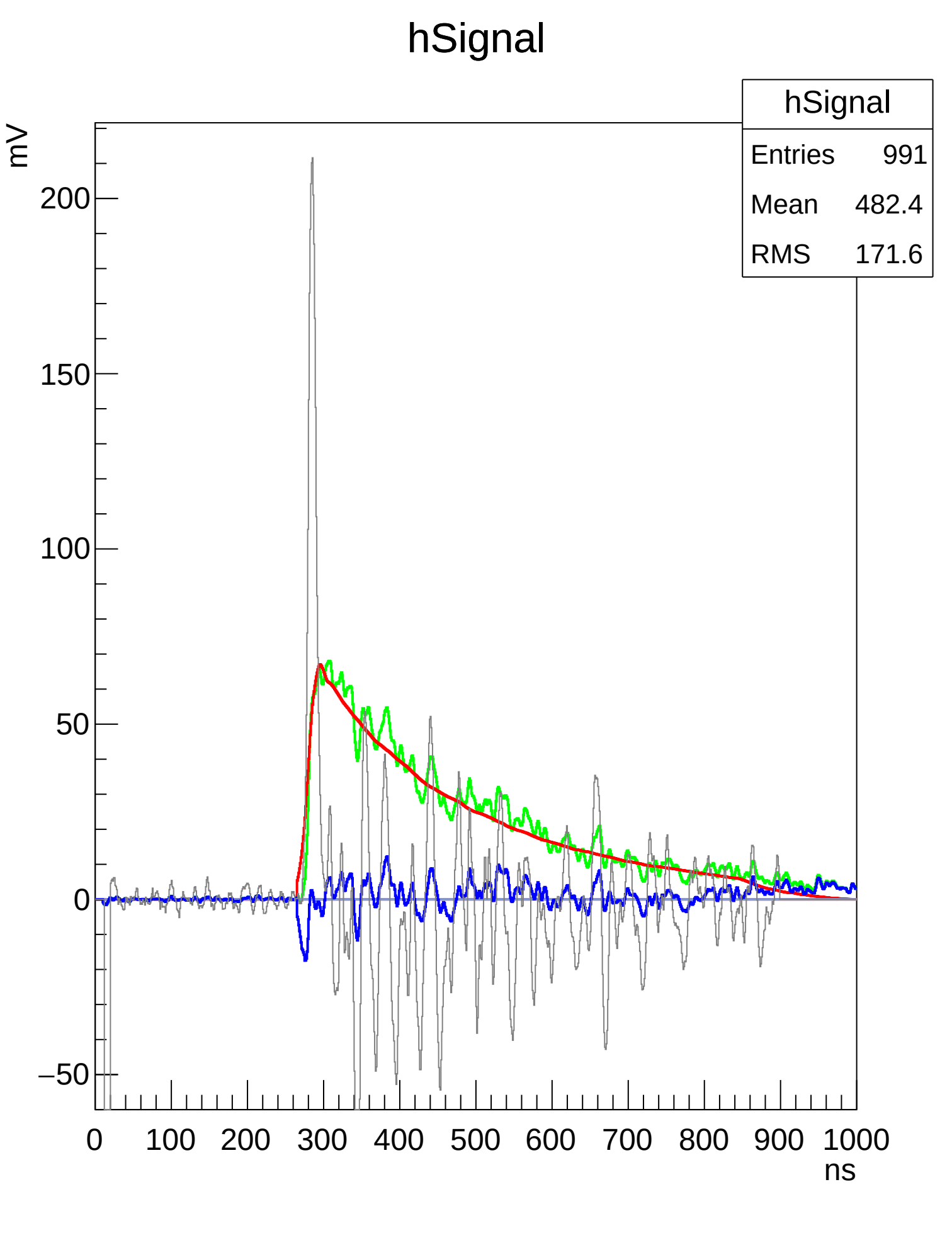

hSignal
hSignal
Entries 991
Mean 527.6
RMS 170.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

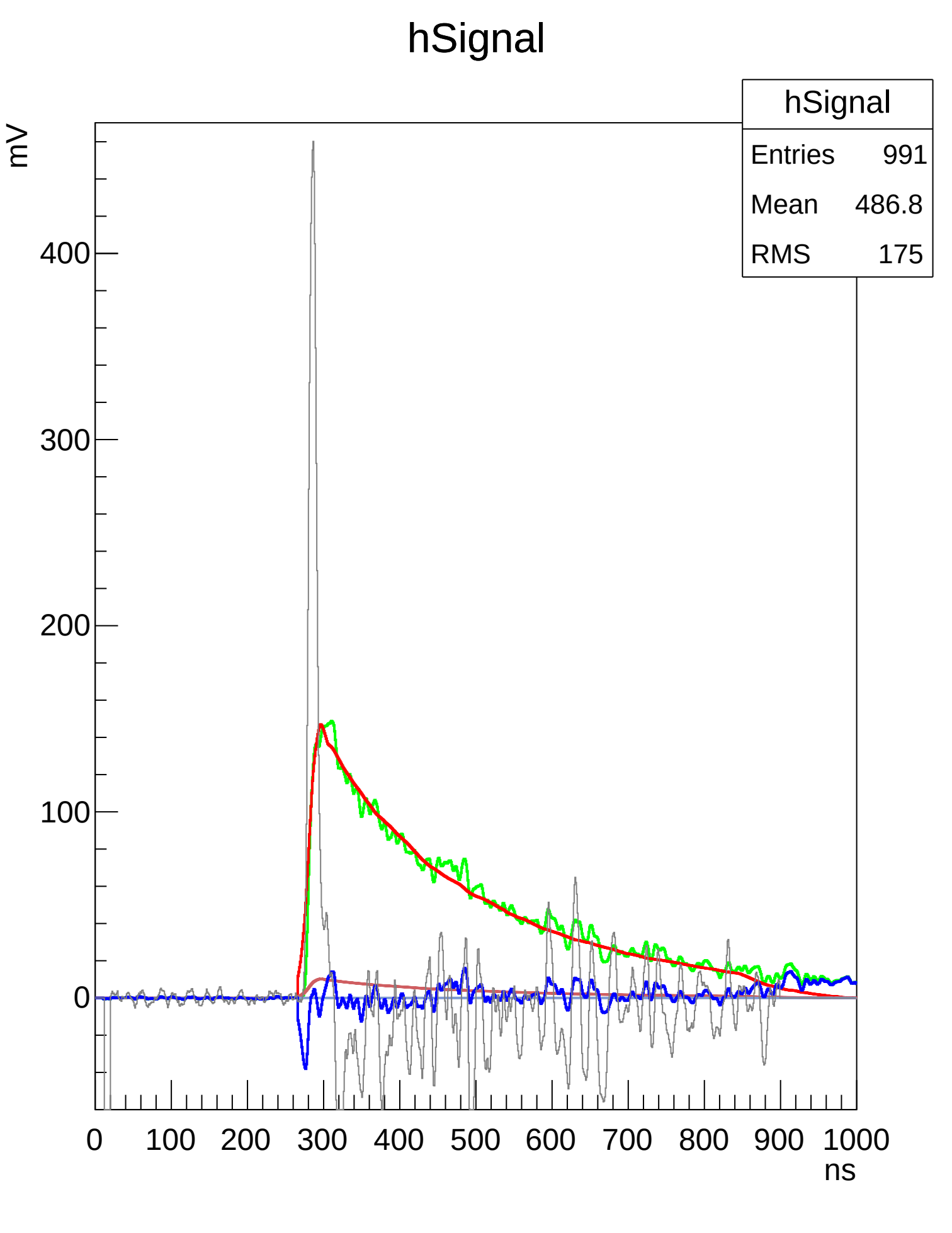

hSignal
hSignal
Entries 991
Mean 511.6
RMS 162
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

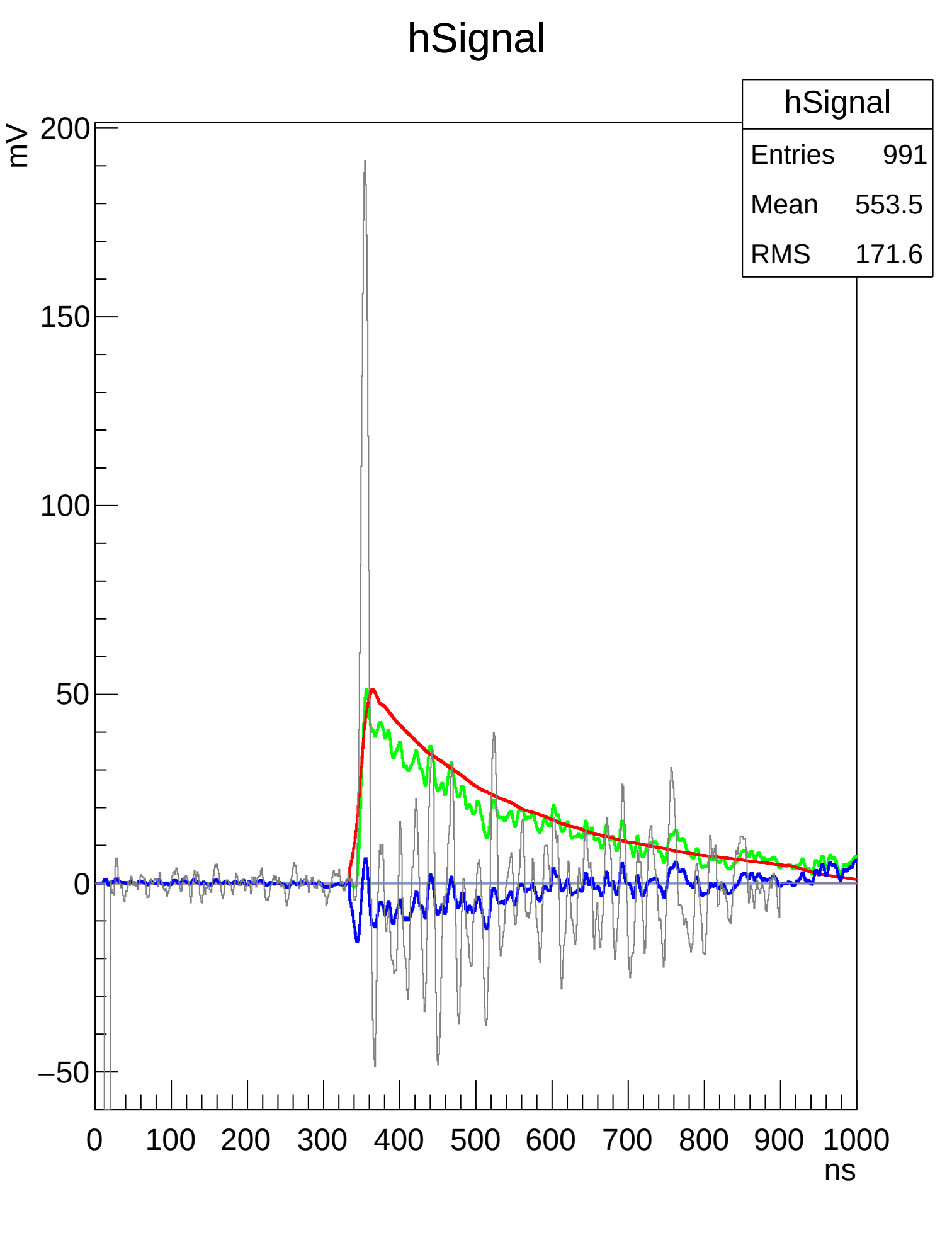

hSignal
hSignal
Entries 991
Mean 502.9
RMS 166.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

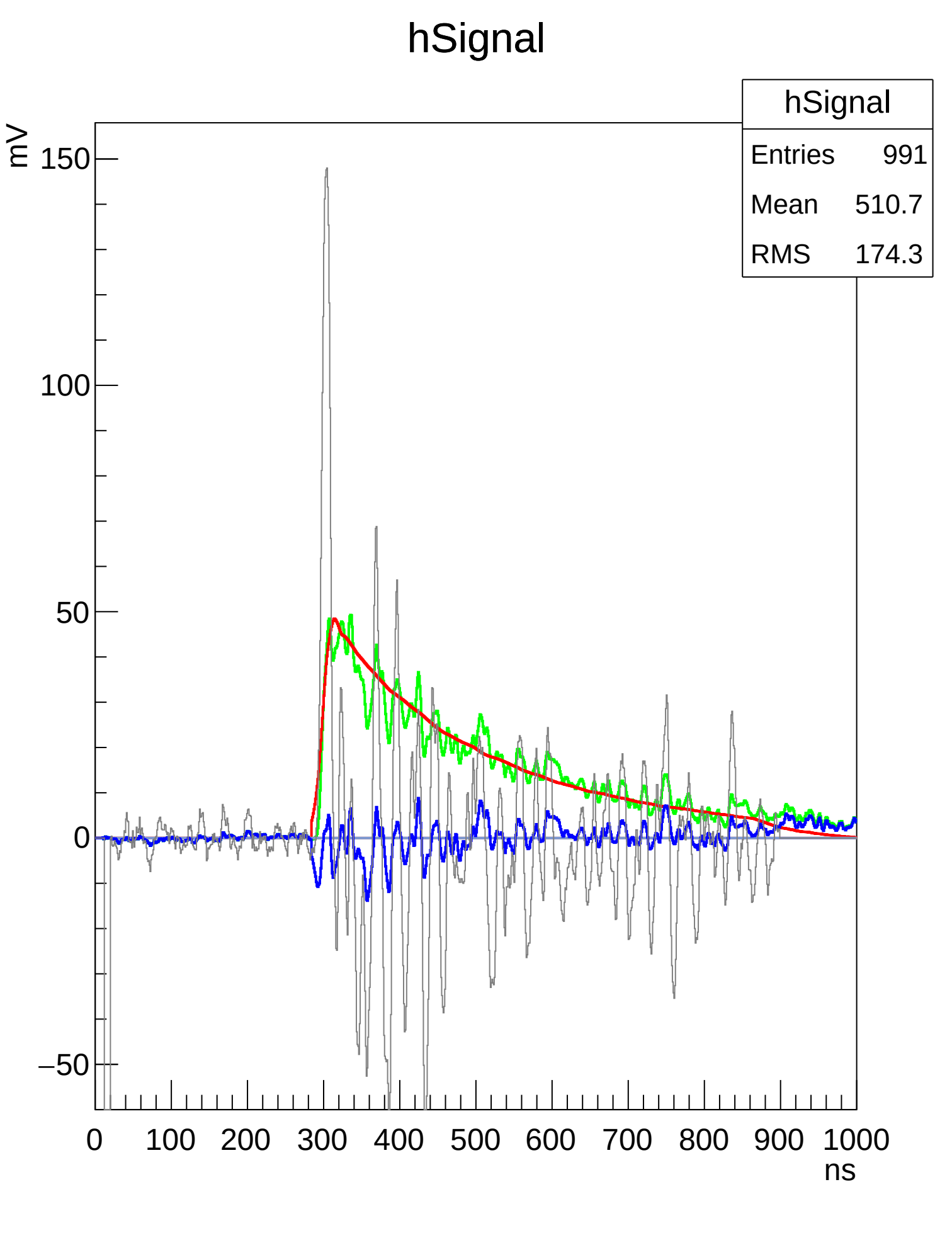

hSignal
hSignal
Entries 991
Mean 486.9
RMS 175
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

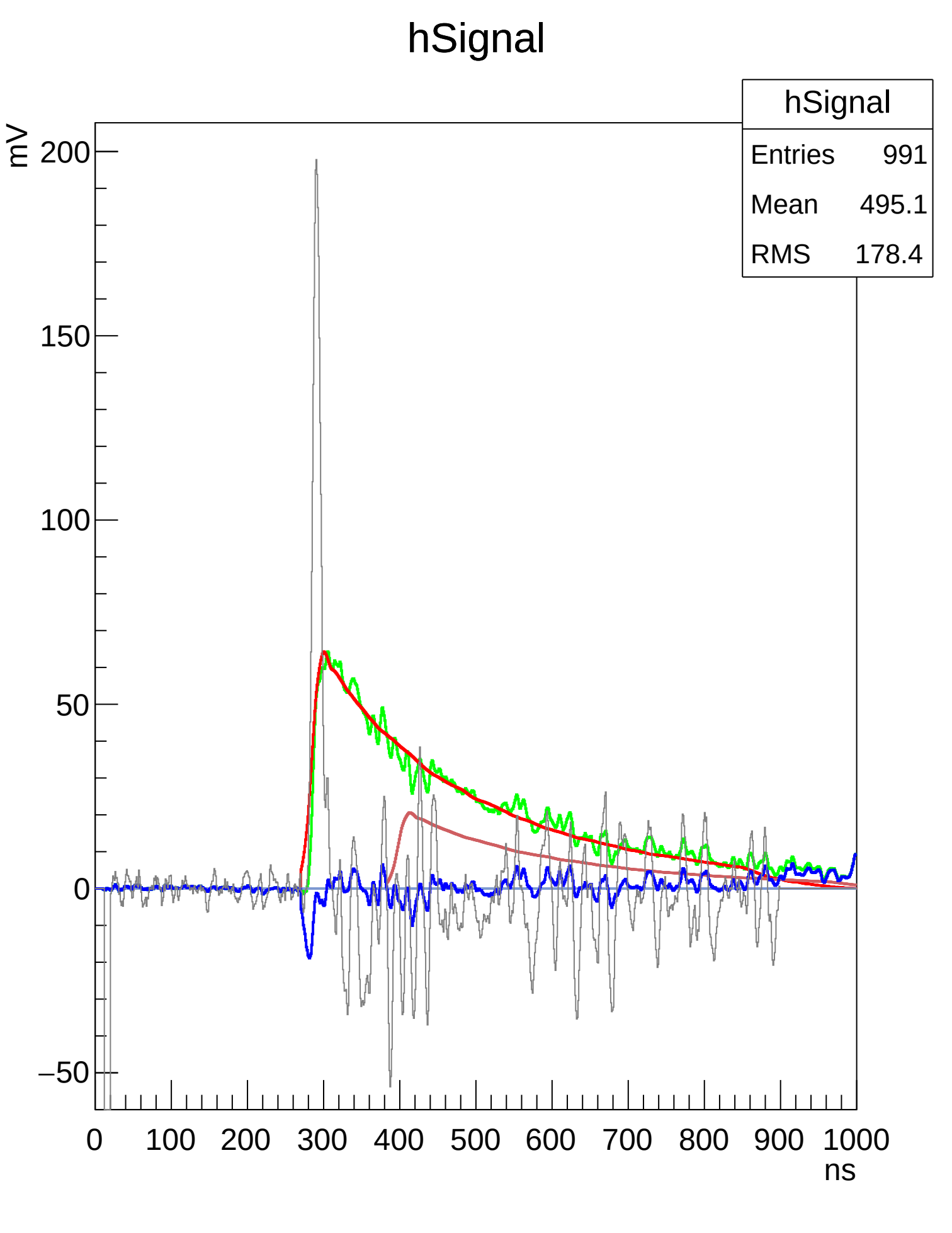

hSignal
hSignal
Entries 991
Mean 485.7
RMS 176.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

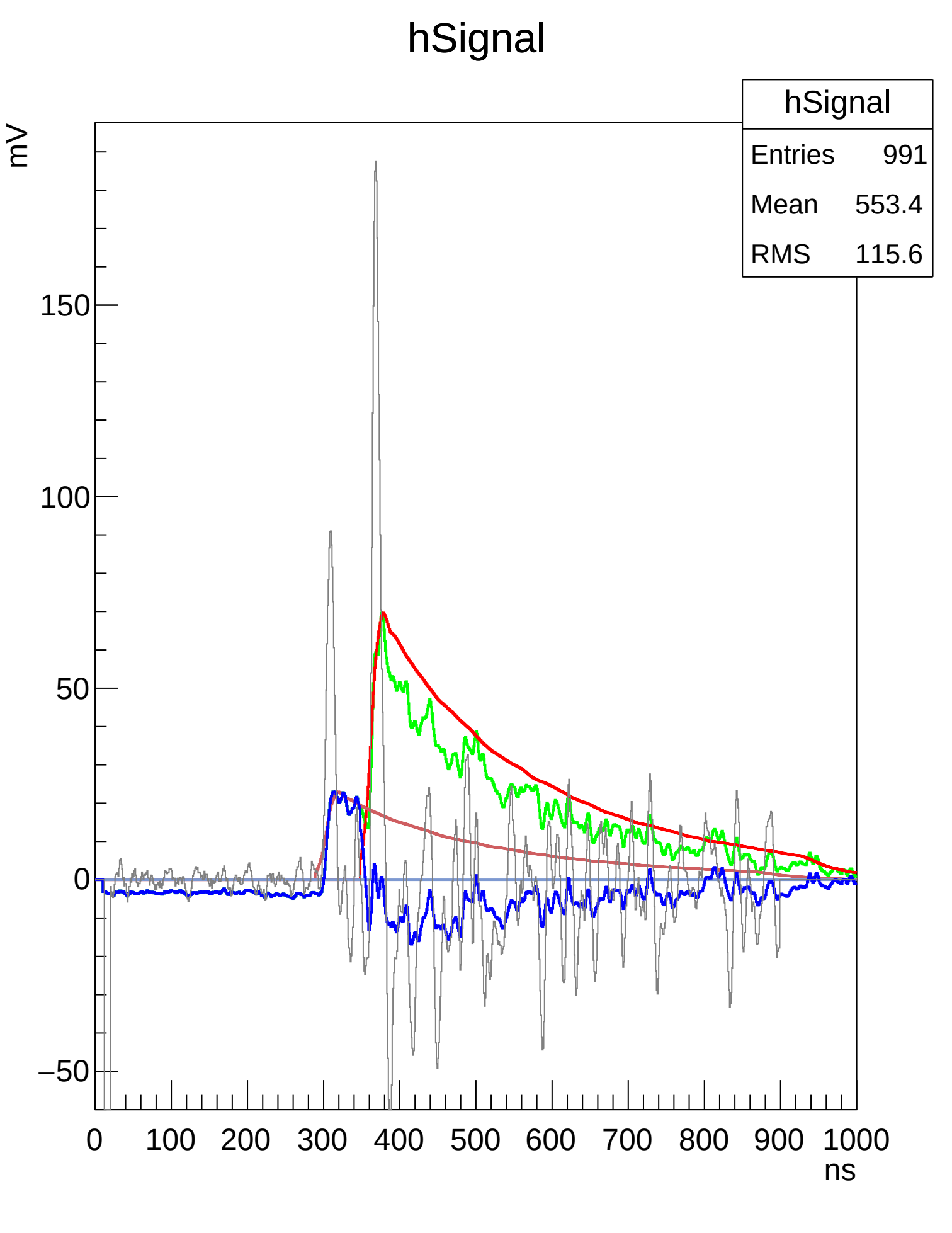

hSignal
hSignal
Entries 991
Mean 482.4
RMS 171.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

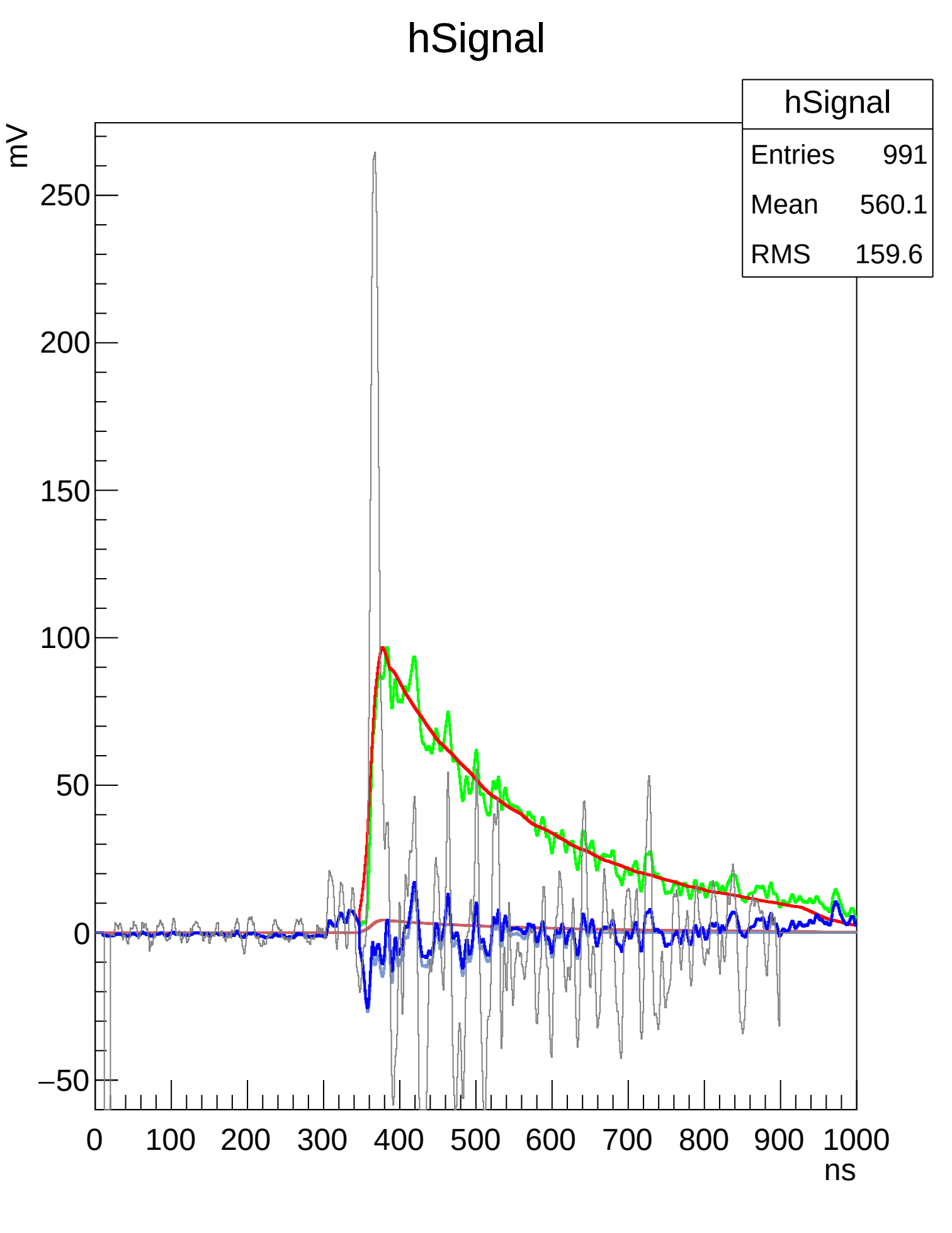

hSignal
hSignal
Entries 991
Mean 486.8
RMS 175
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

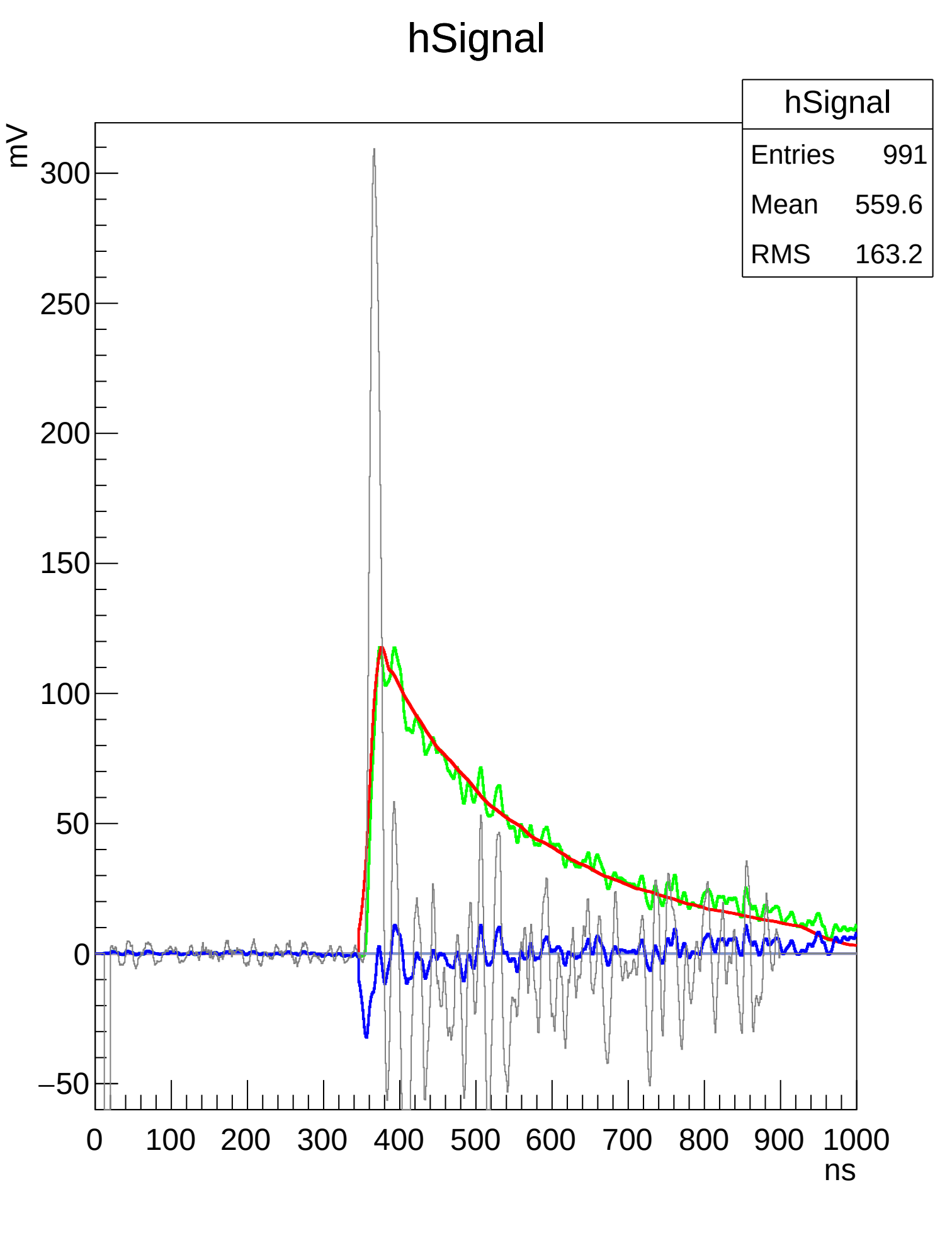

hSignal
hSignal
Entries 991
Mean 553.5
RMS 171.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

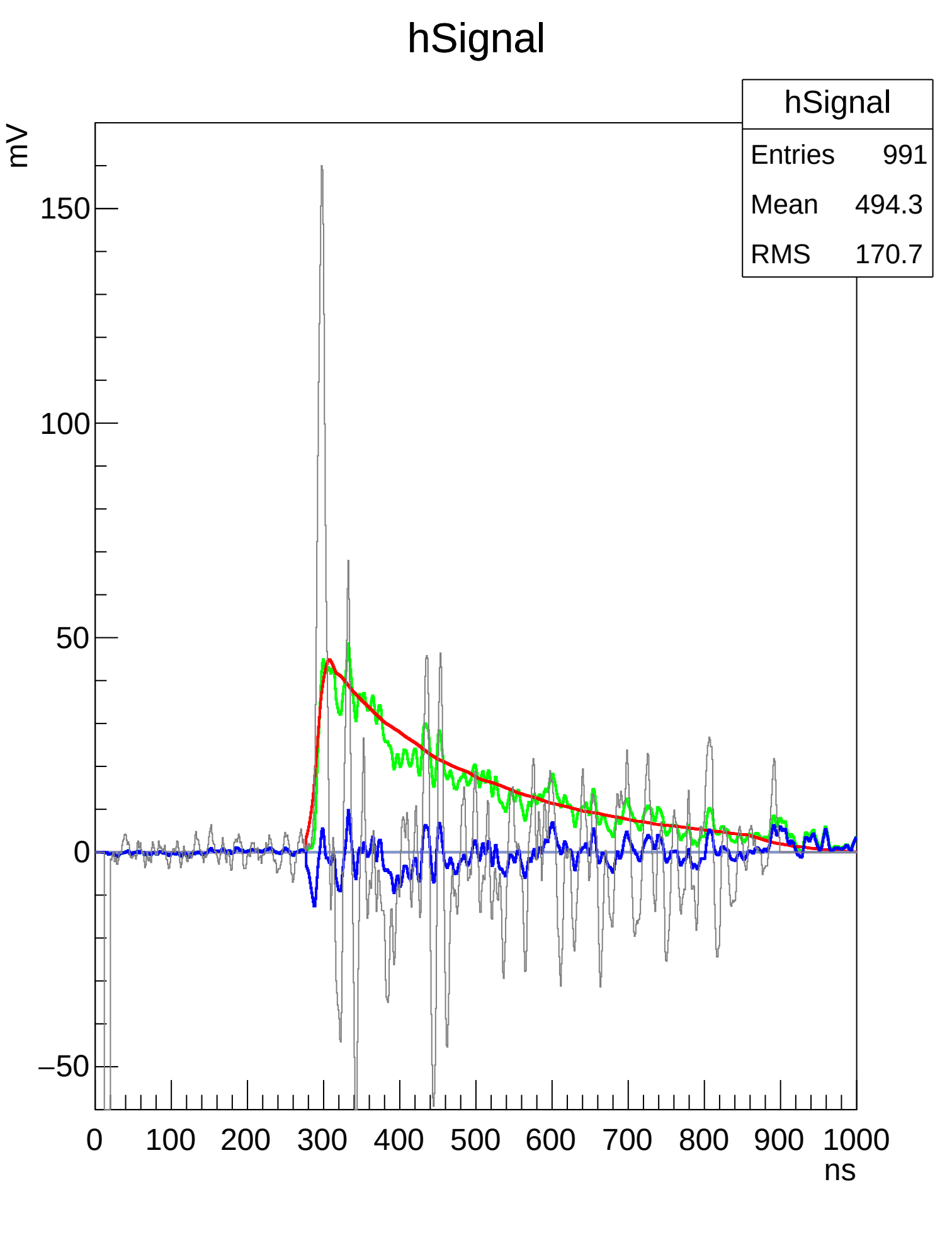

hSignal
hSignal
Entries 991
Mean 510.7
RMS 174.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

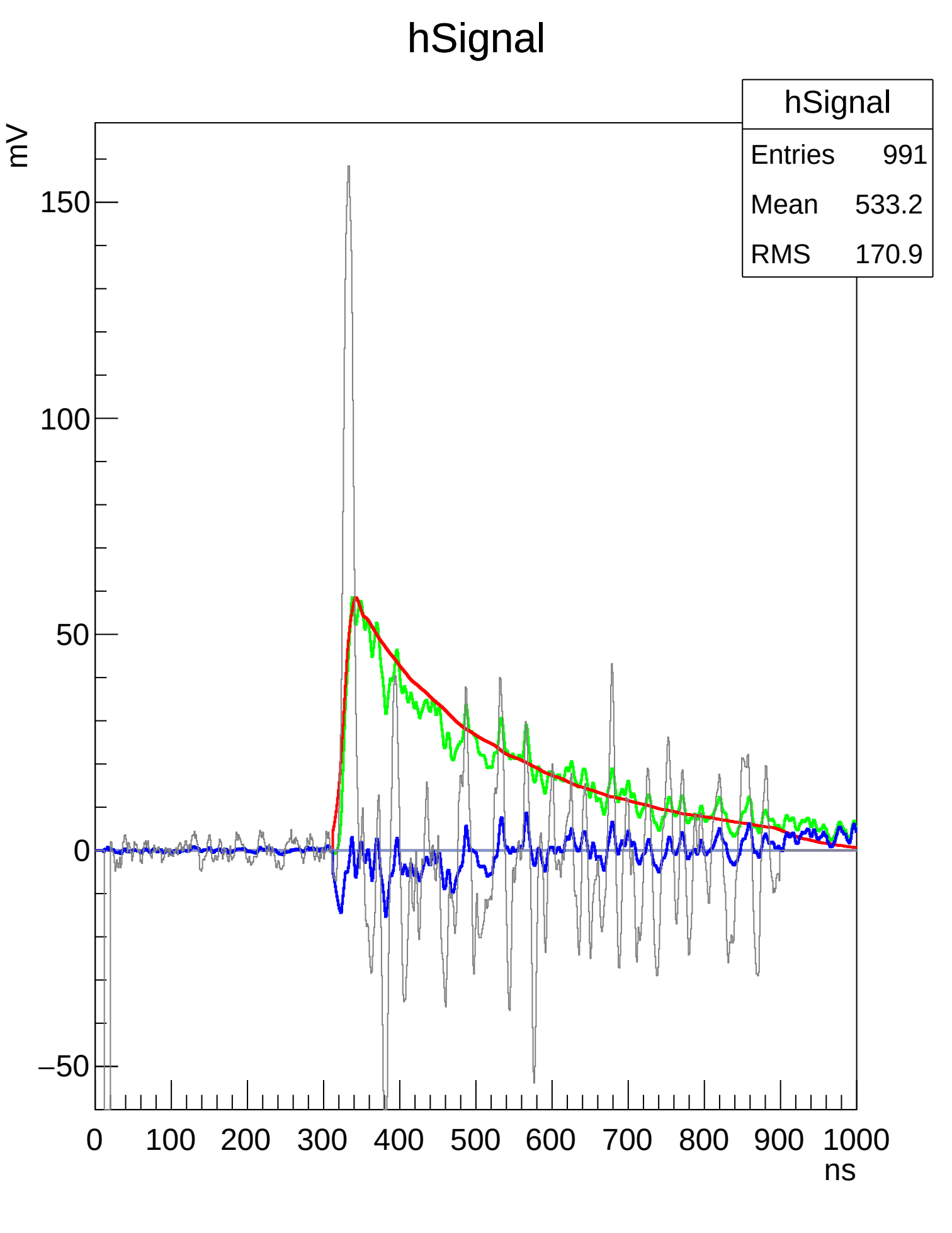

hSignal
hSignal
Entries 991
Mean 495.1
RMS 178.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

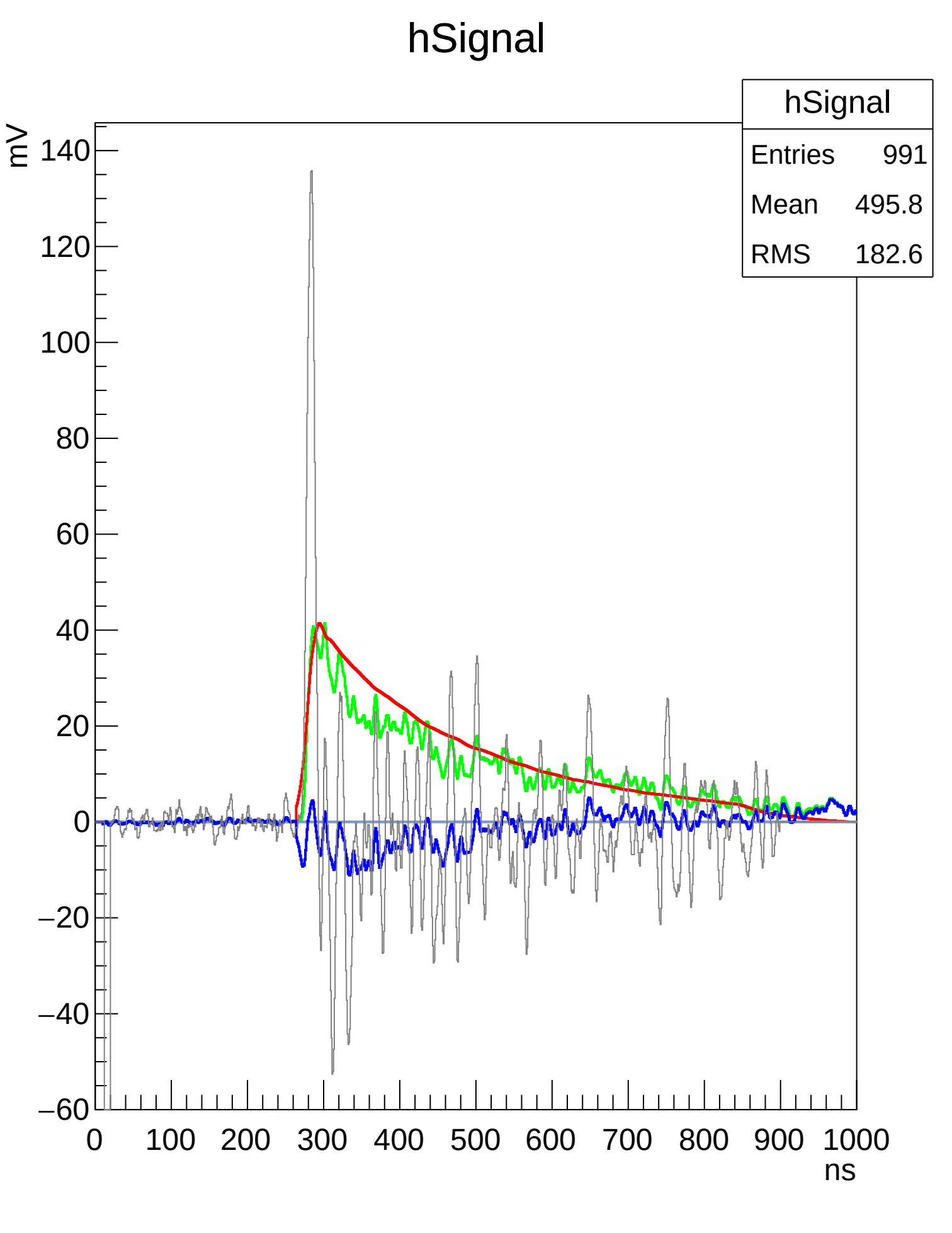

hSignal
hSignal
Entries 991
Mean 553.4
RMS 115.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

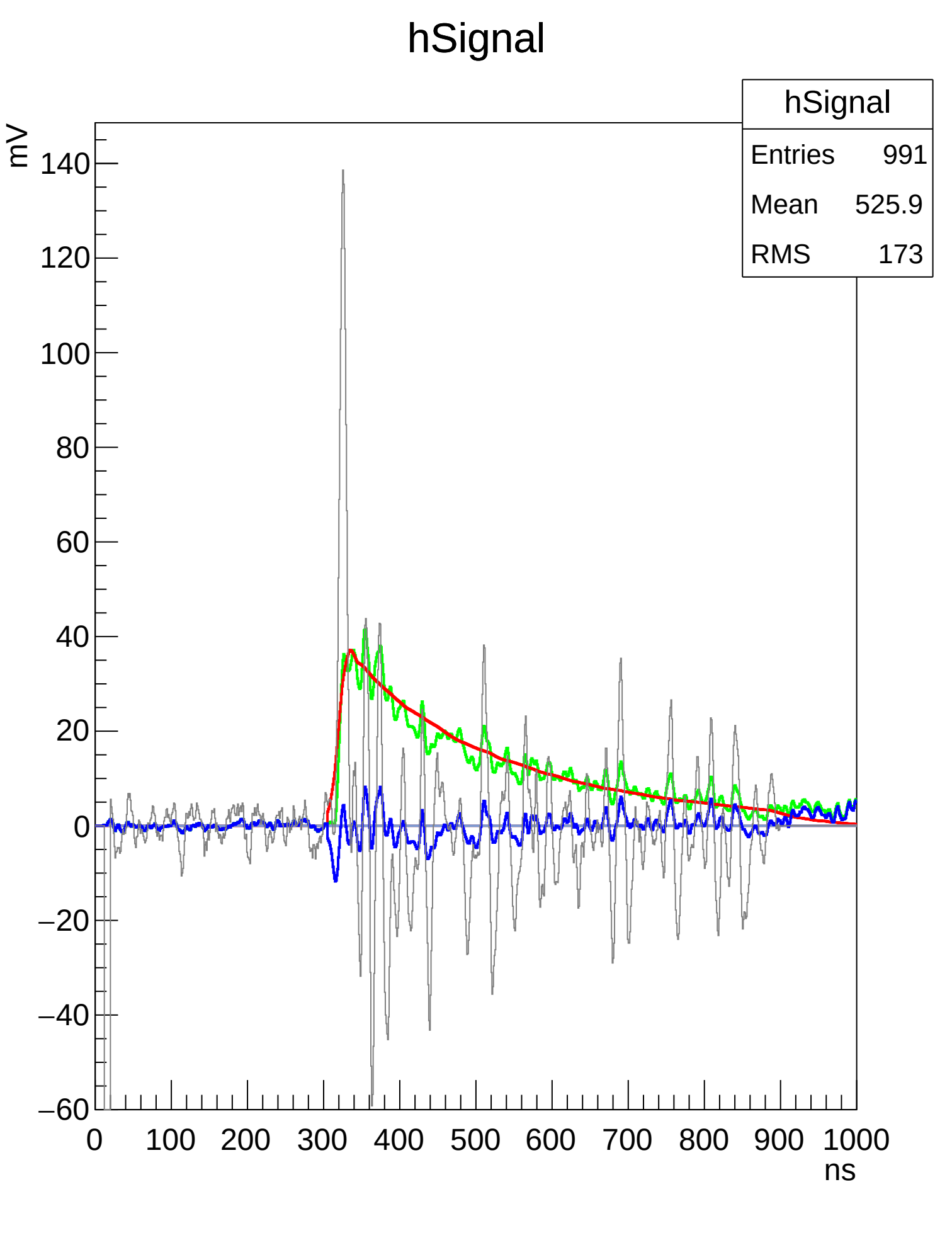

hSignal
hSignal
Entries 991
Mean 560.1
RMS 159.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

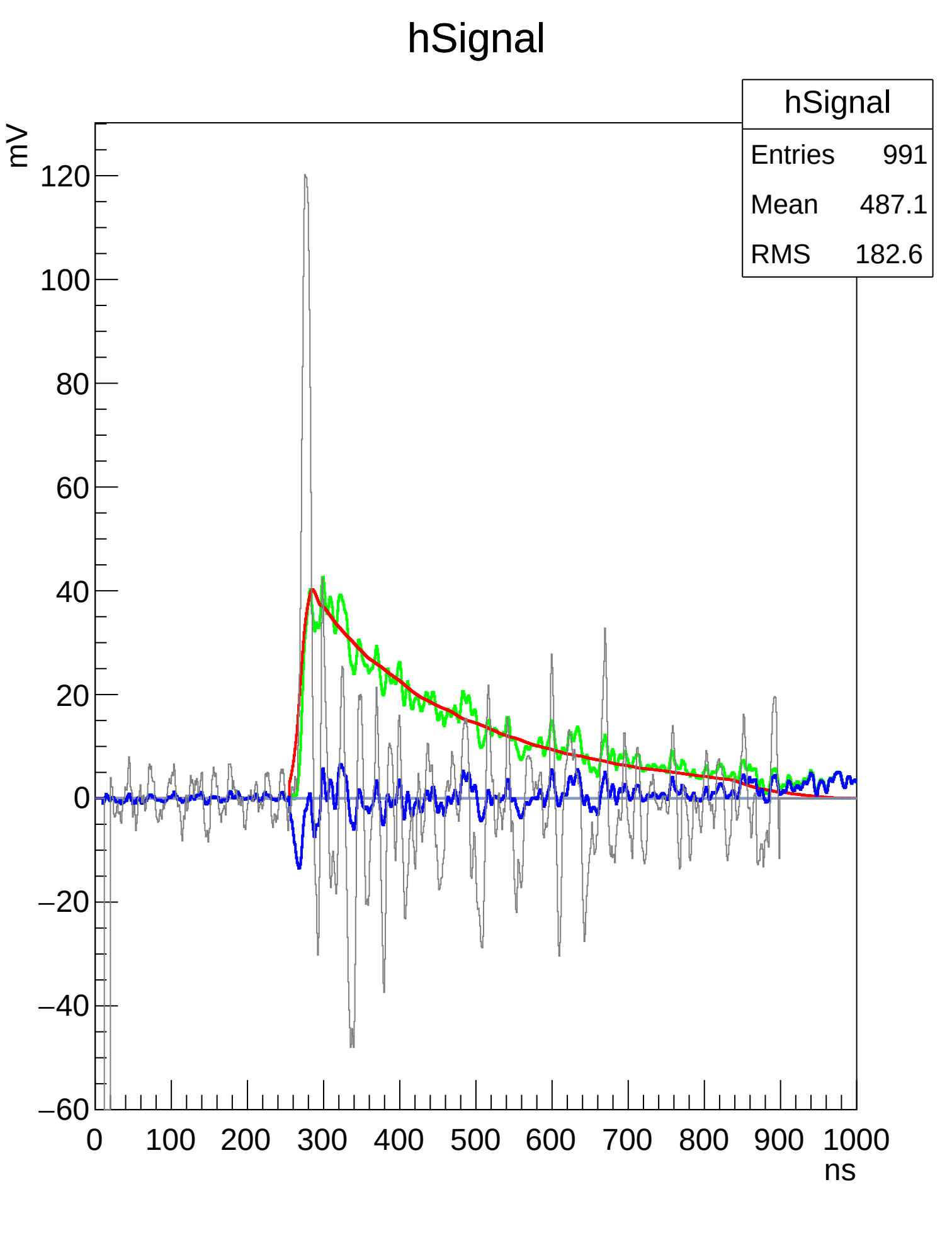

hSignal
hSignal
Entries 991
Mean 559.6
RMS 163.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

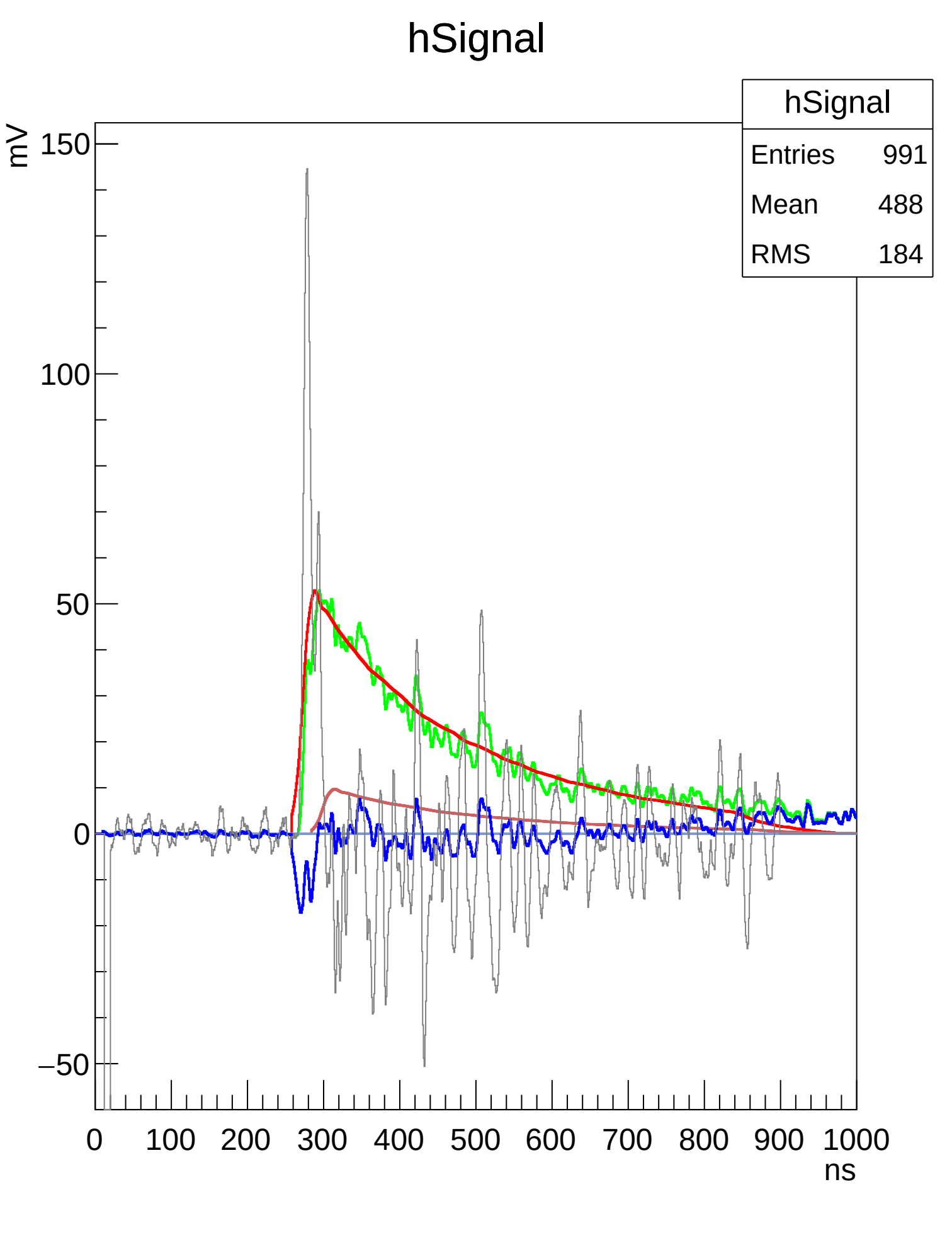

hSignal
hSignal
Entries 991
Mean 494.3
RMS 170.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

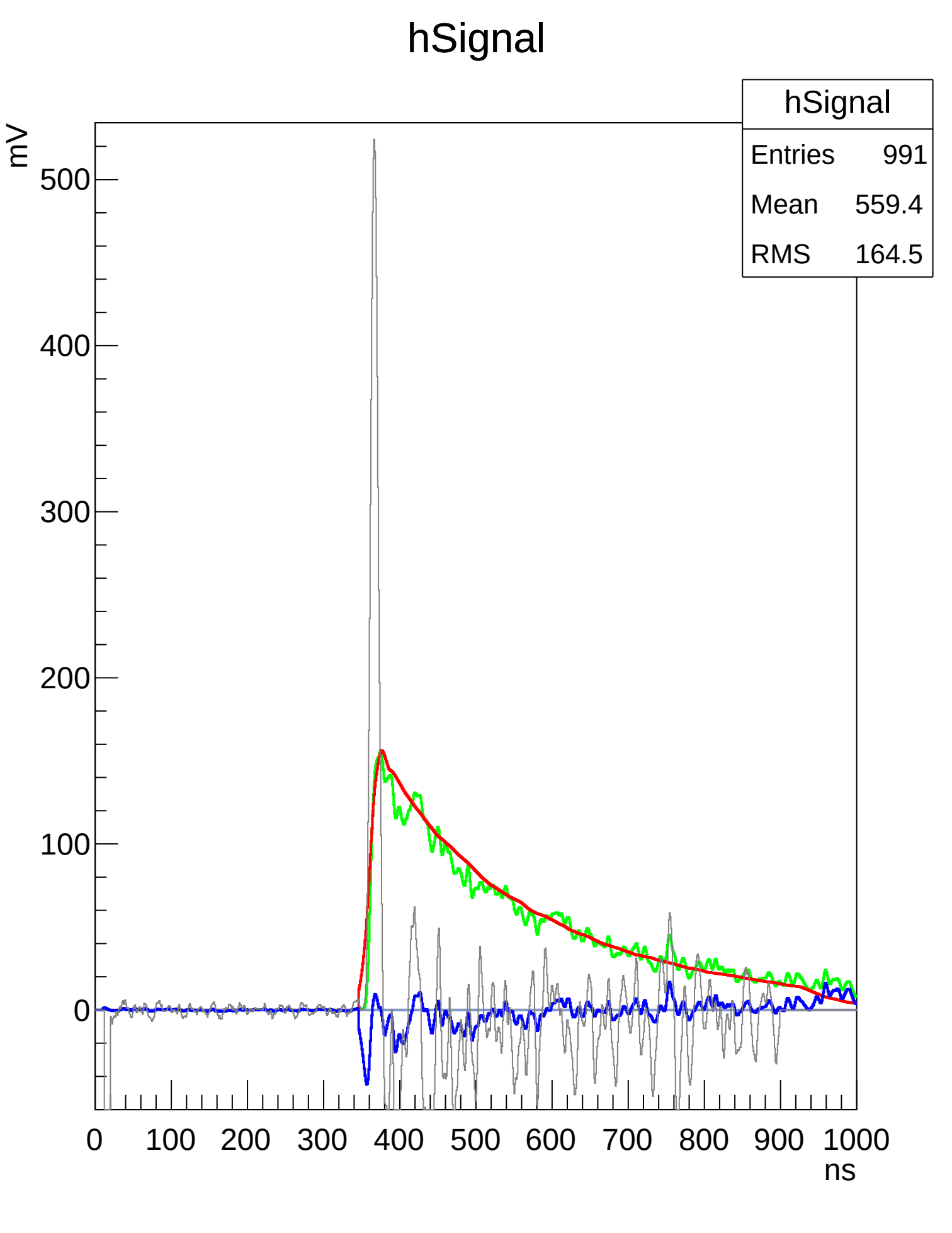

hSignal
hSignal
Entries 991
Mean 533.2
RMS 170.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

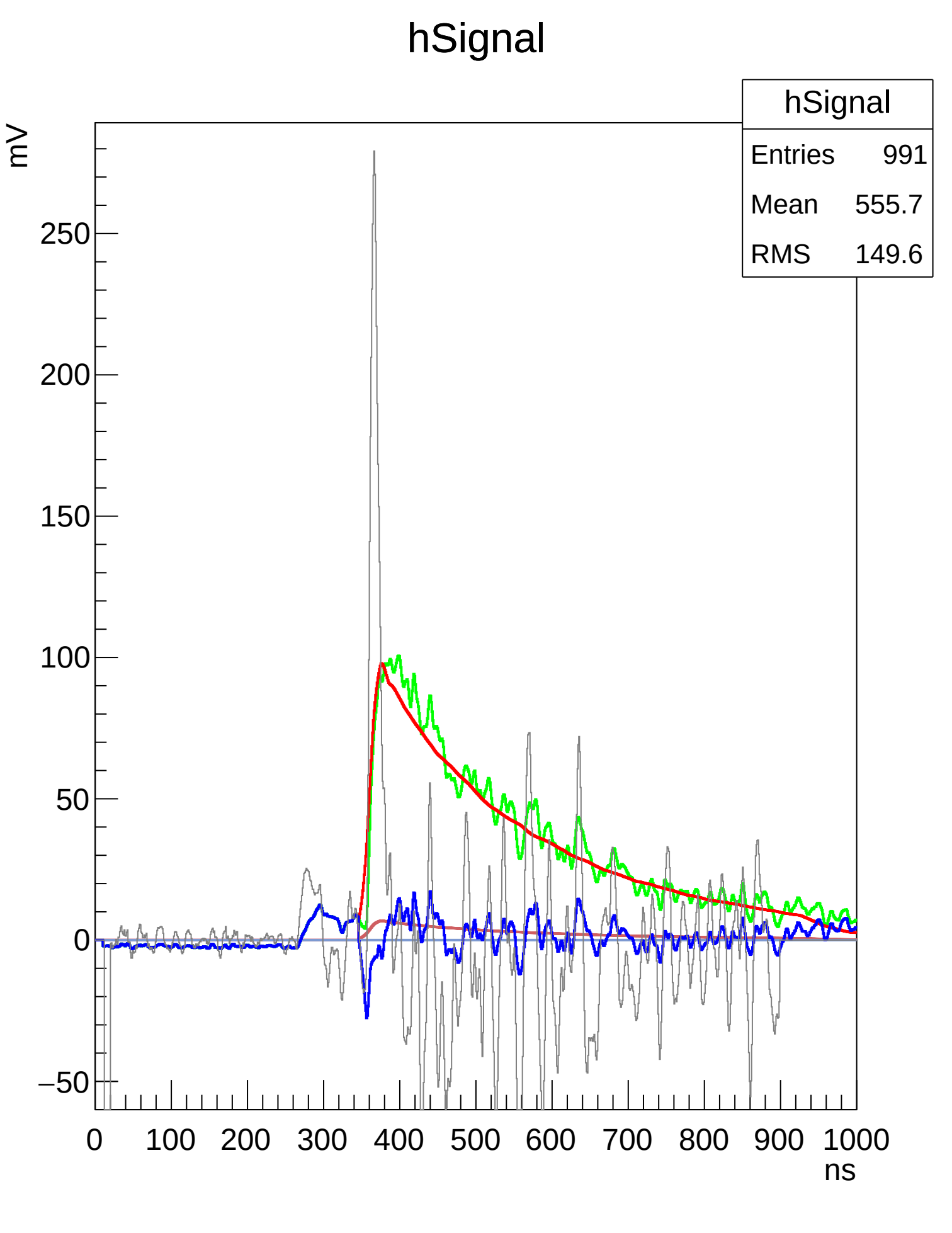

hSignal
hSignal
Entries 991
Mean 495.8
RMS 182.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

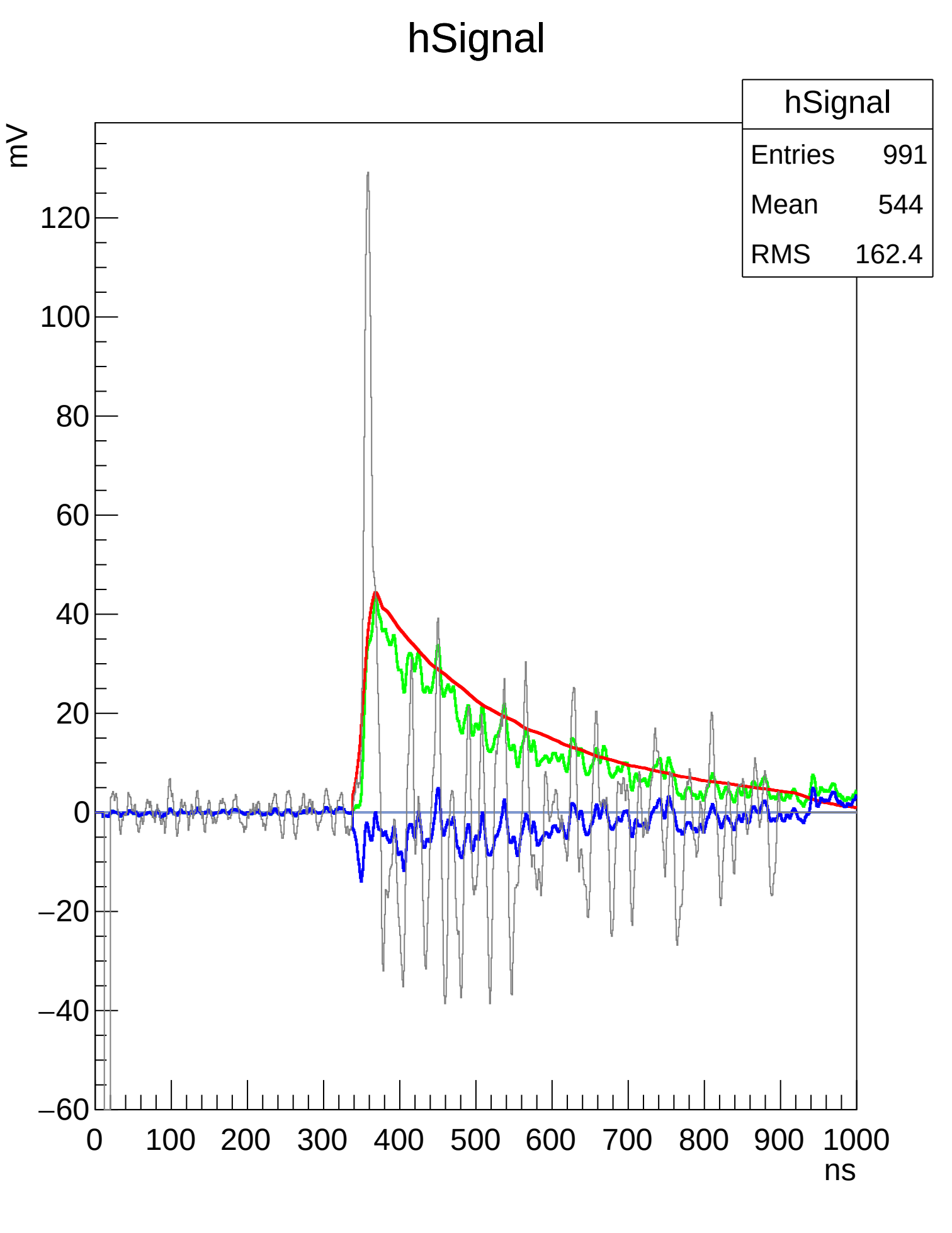

hSignal
hSignal
Entries 991
Mean 525.9
RMS 173
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

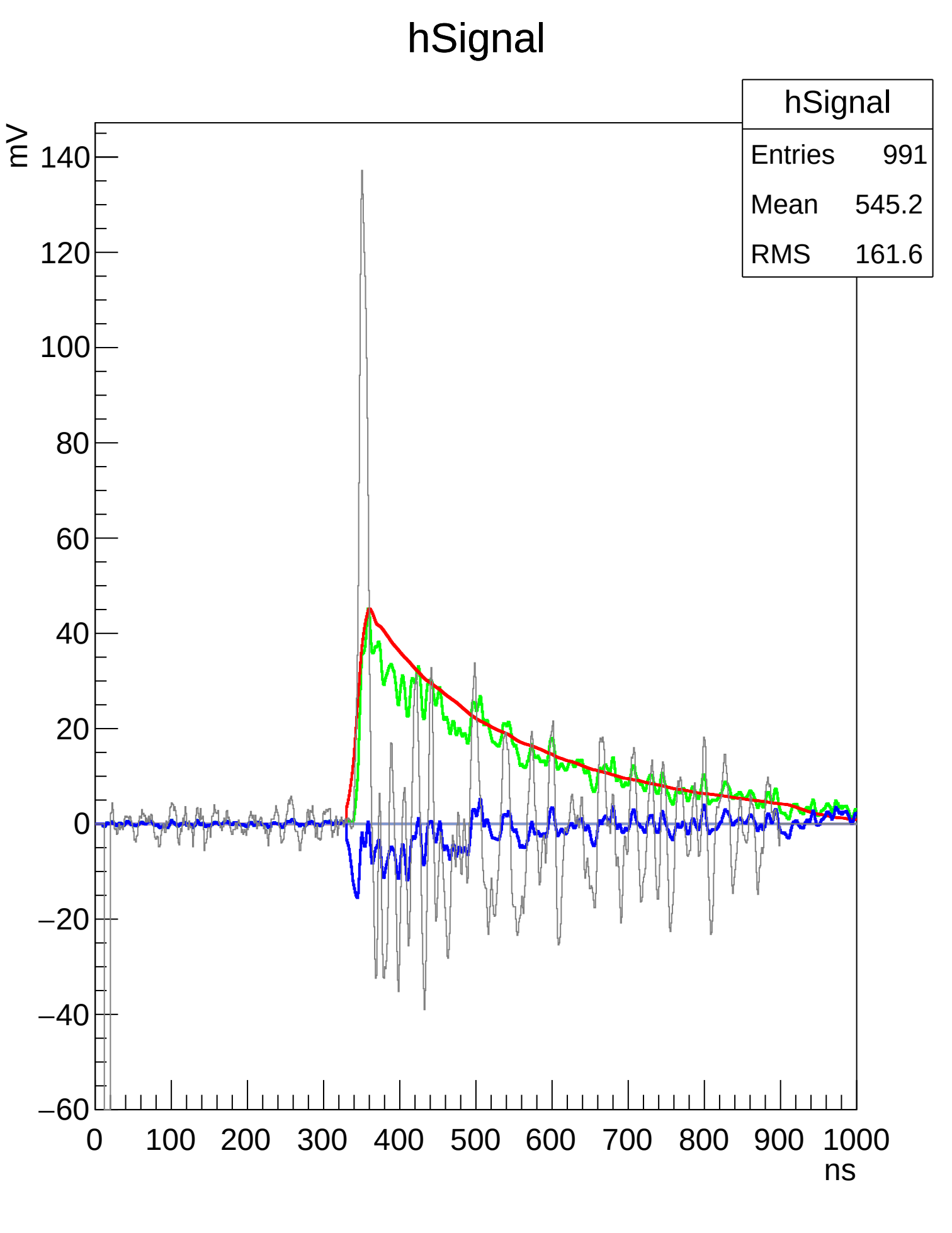

hSignal
hSignal
Entries 991
Mean 487.1
RMS 182.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

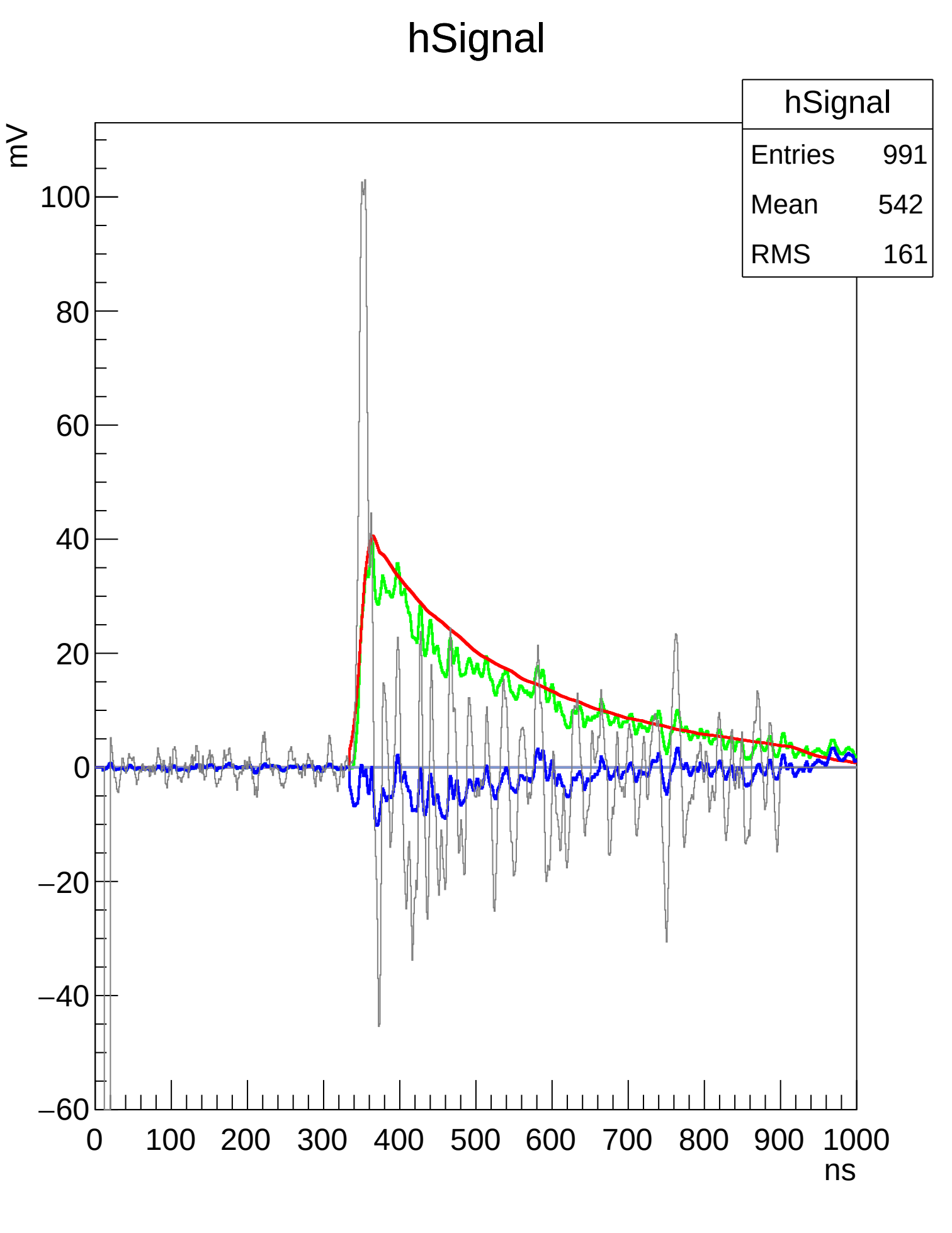

hSignal
hSignal
Entries 991
Mean 488
RMS 184
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

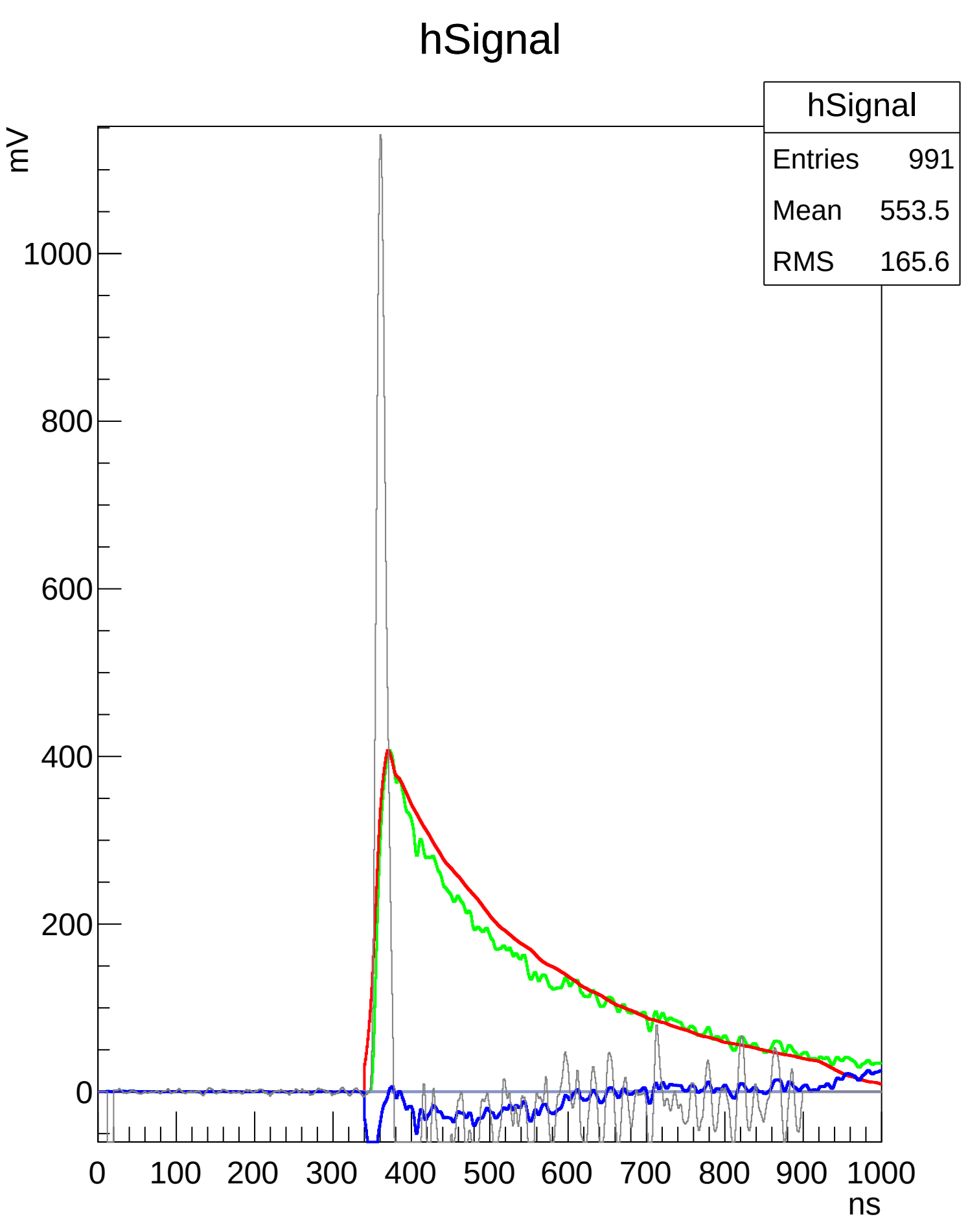

hSignal
hSignal
Entries 991
Mean 559.4
RMS 164.5
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

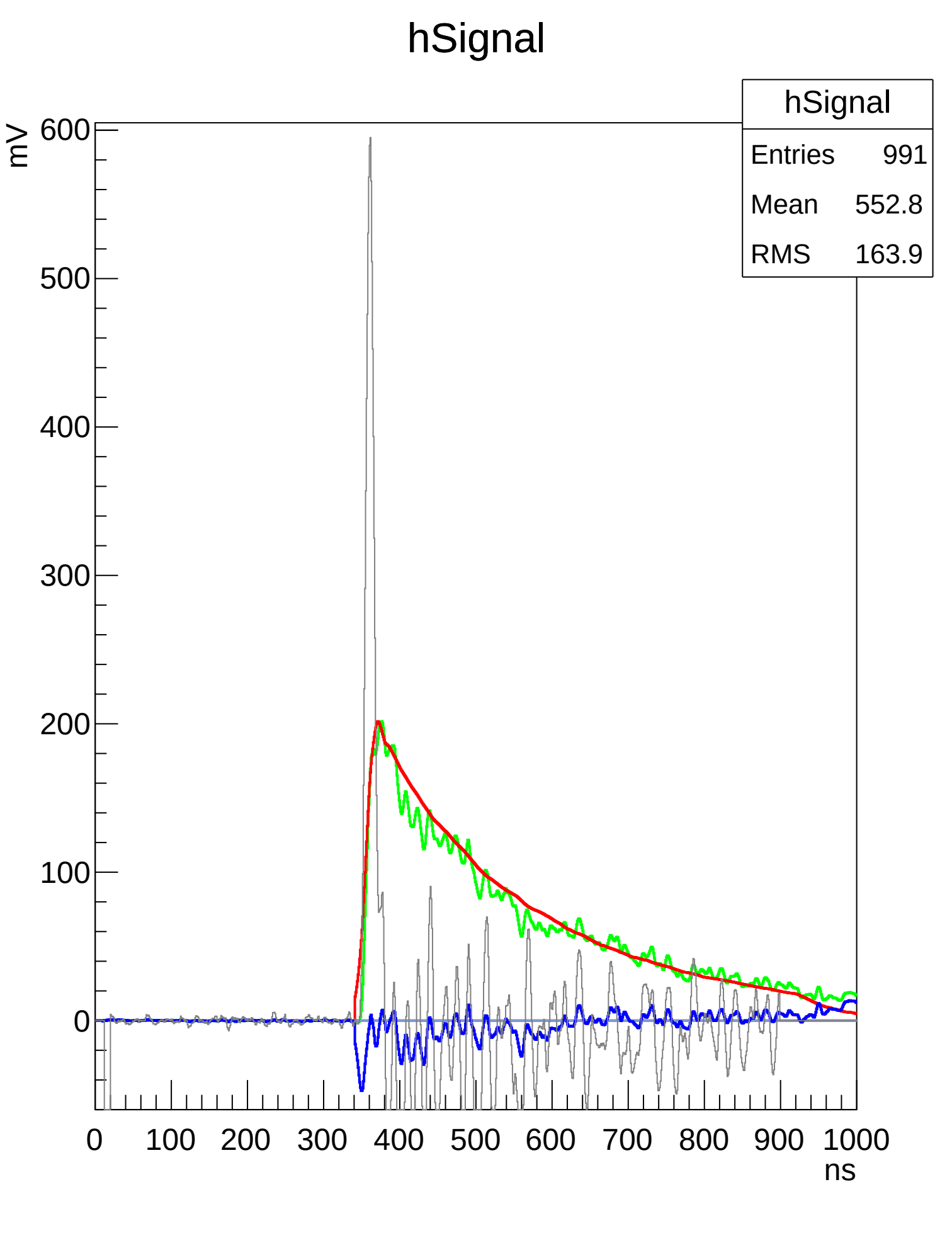

hSignal
hSignal
Entries 991
Mean 555.7
RMS 149.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

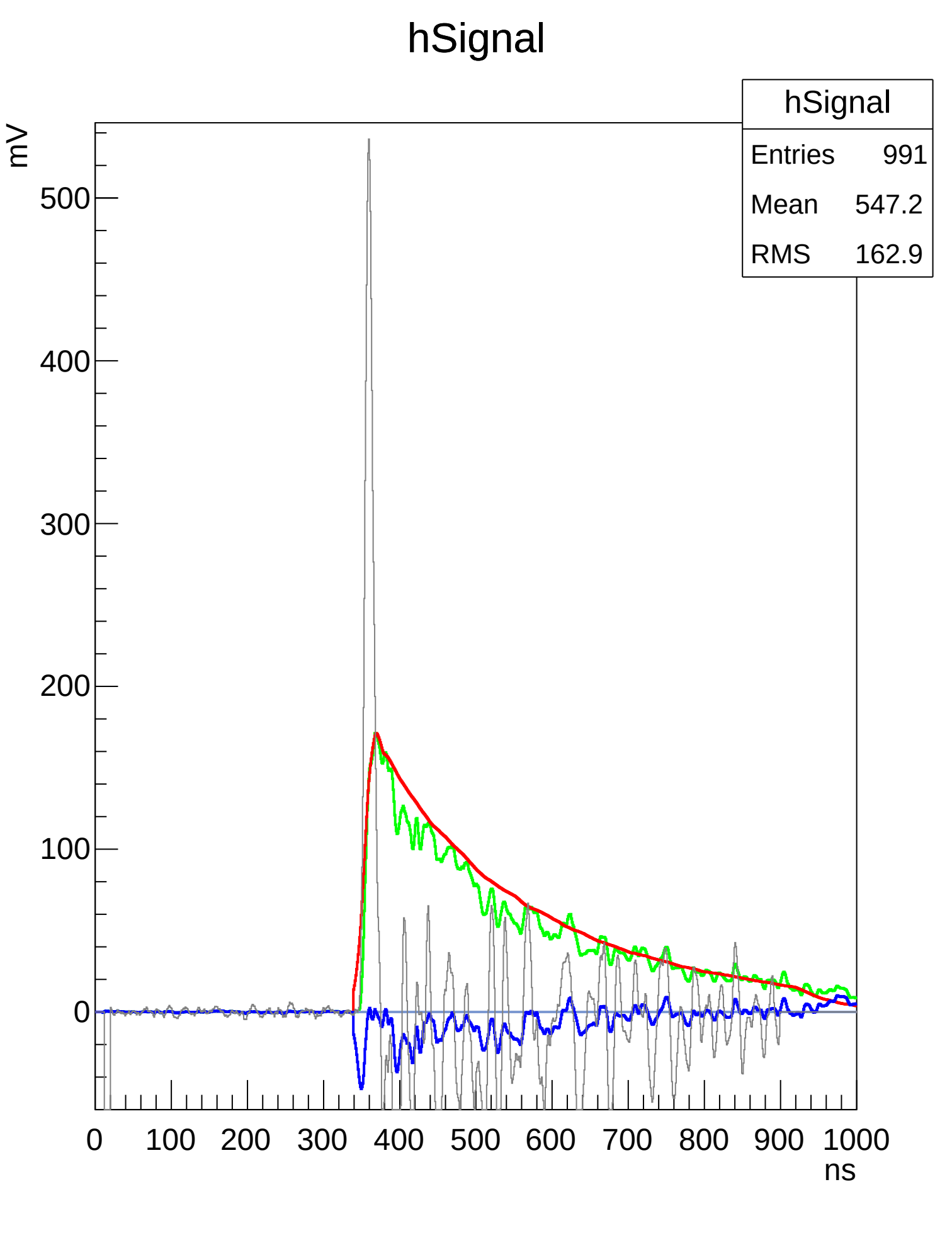

hSignal
hSignal
Entries 991
Mean 544
RMS 162.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

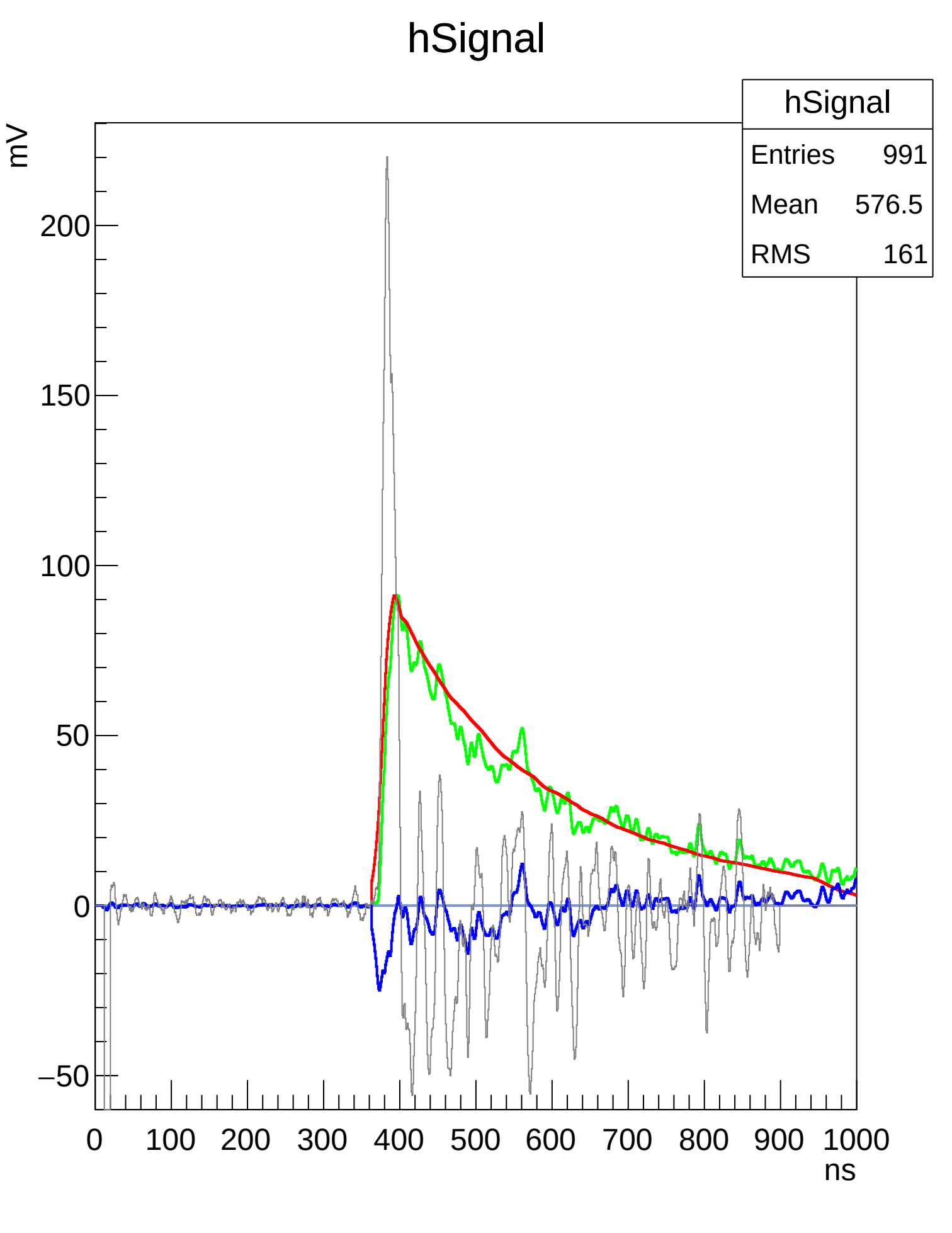

hSignal
hSignal
Entries 991
Mean 545.2
RMS 161.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

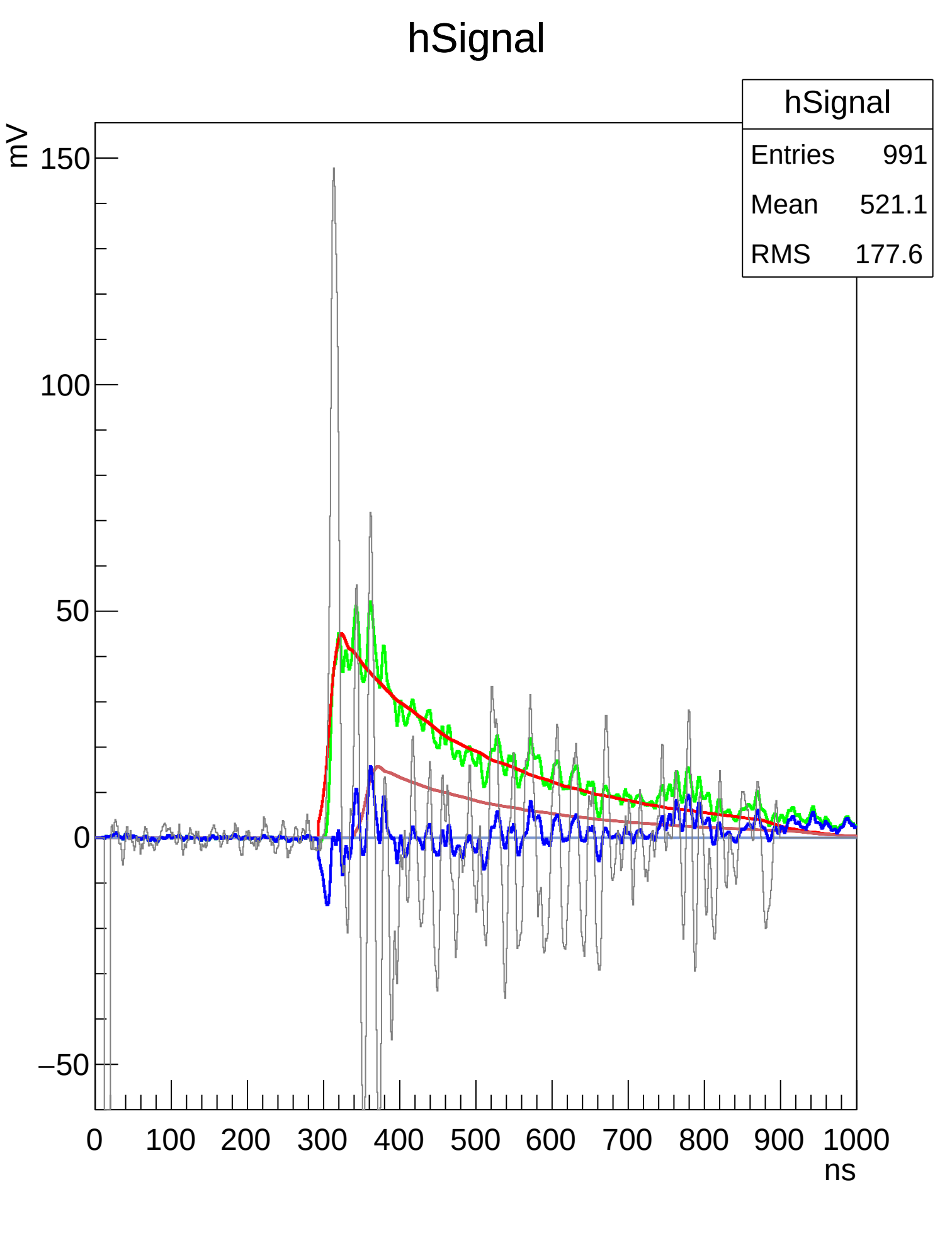

hSignal
hSignal
Entries 991
Mean 542
RMS 161
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

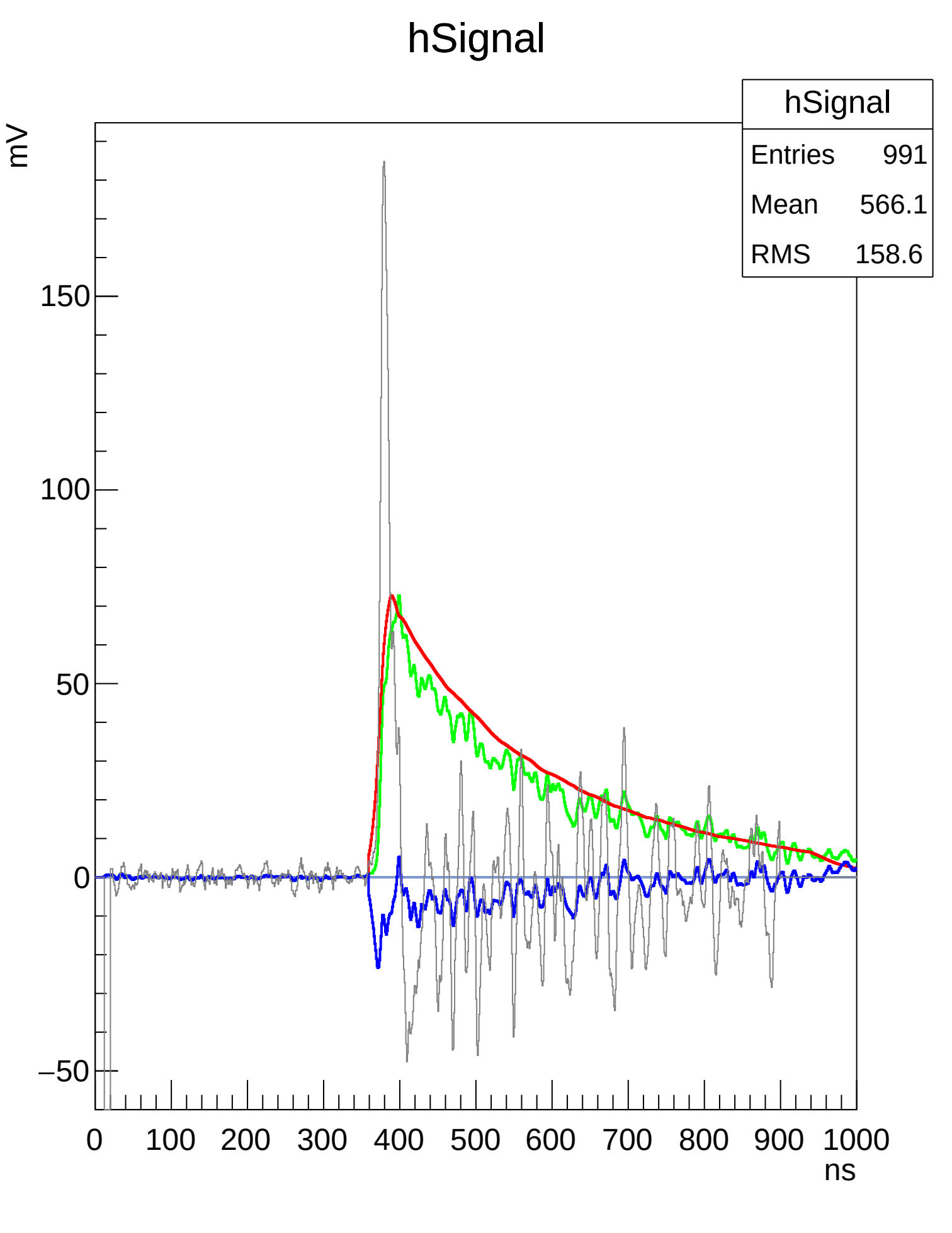

hSignal
hSignal
Entries 991
Mean 553.5
RMS 165.6
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

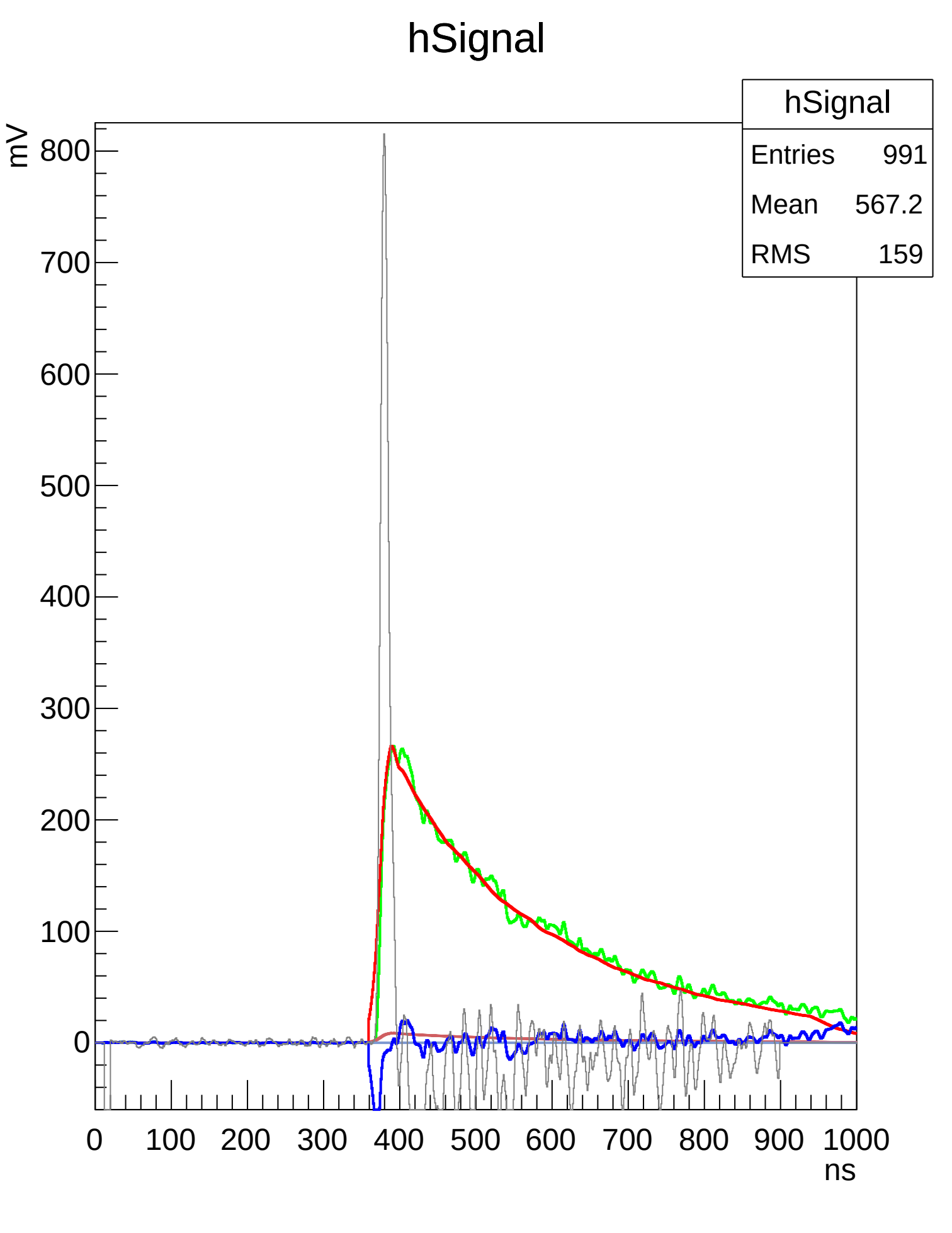

hSignal
hSignal
Entries 991
Mean 552.8
RMS 163.9
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

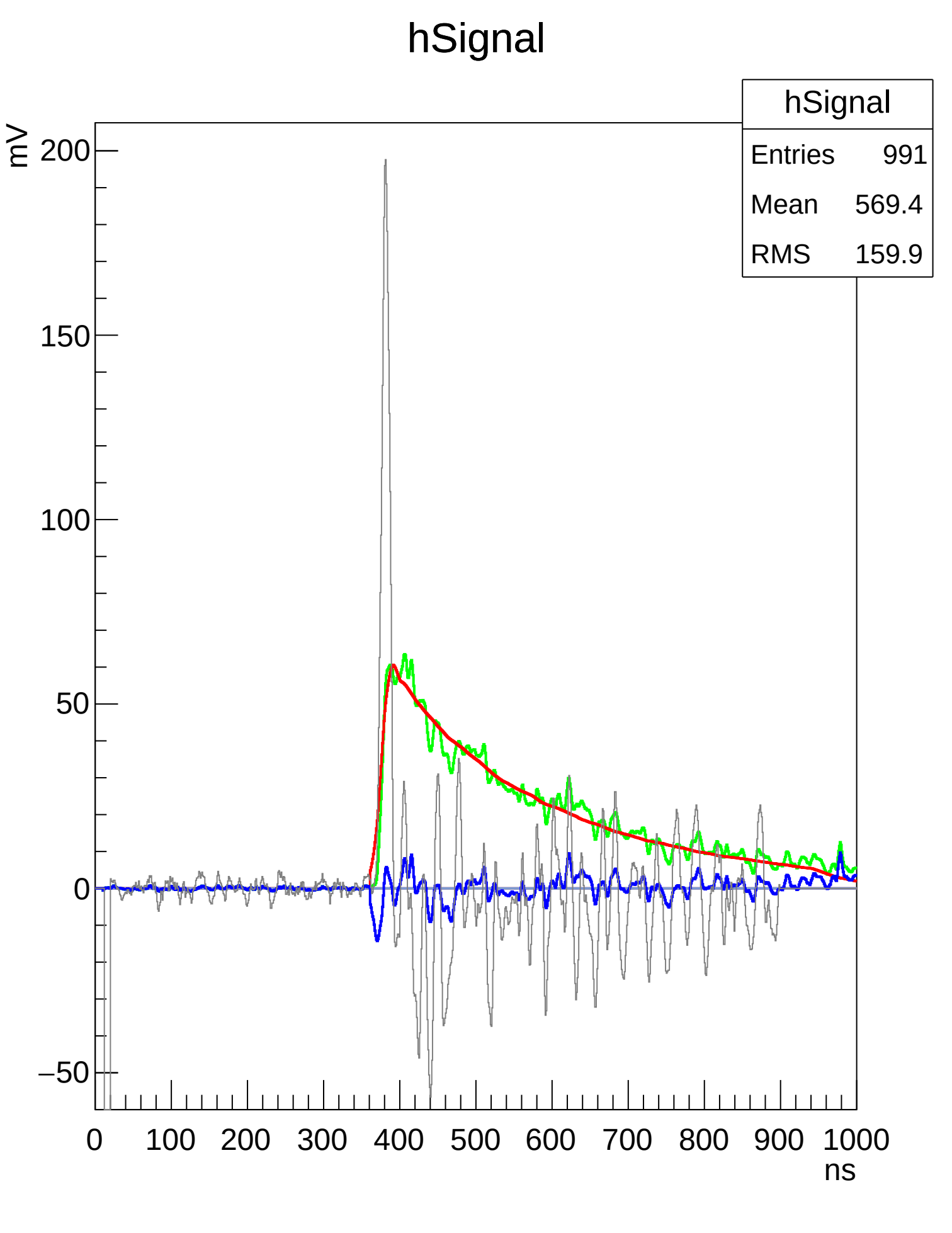

hSignal
hSignal
Entries 991
Mean 547.2
RMS 162.9
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

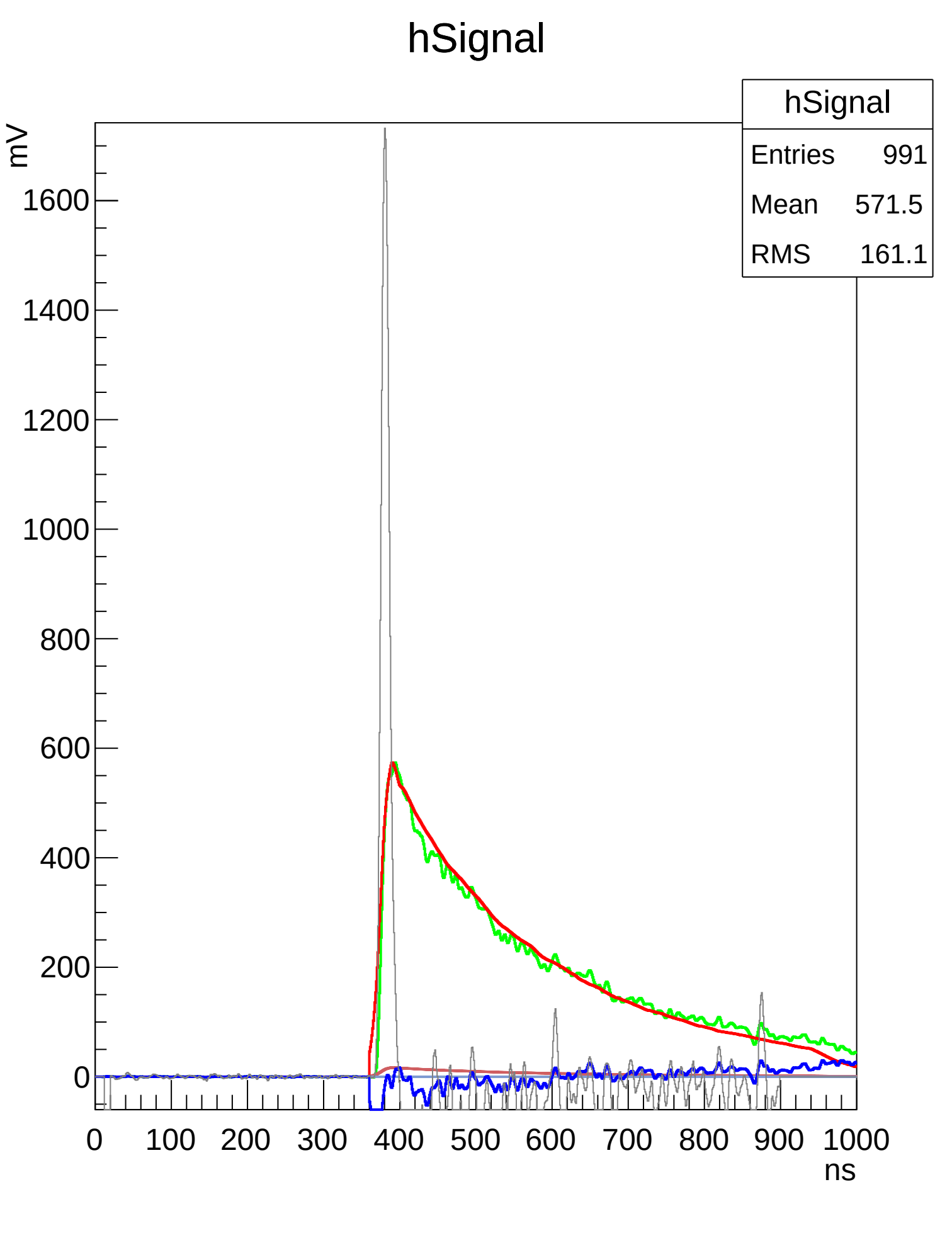

hSignal
hSignal
Entries 991
Mean 576.5
RMS 161
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

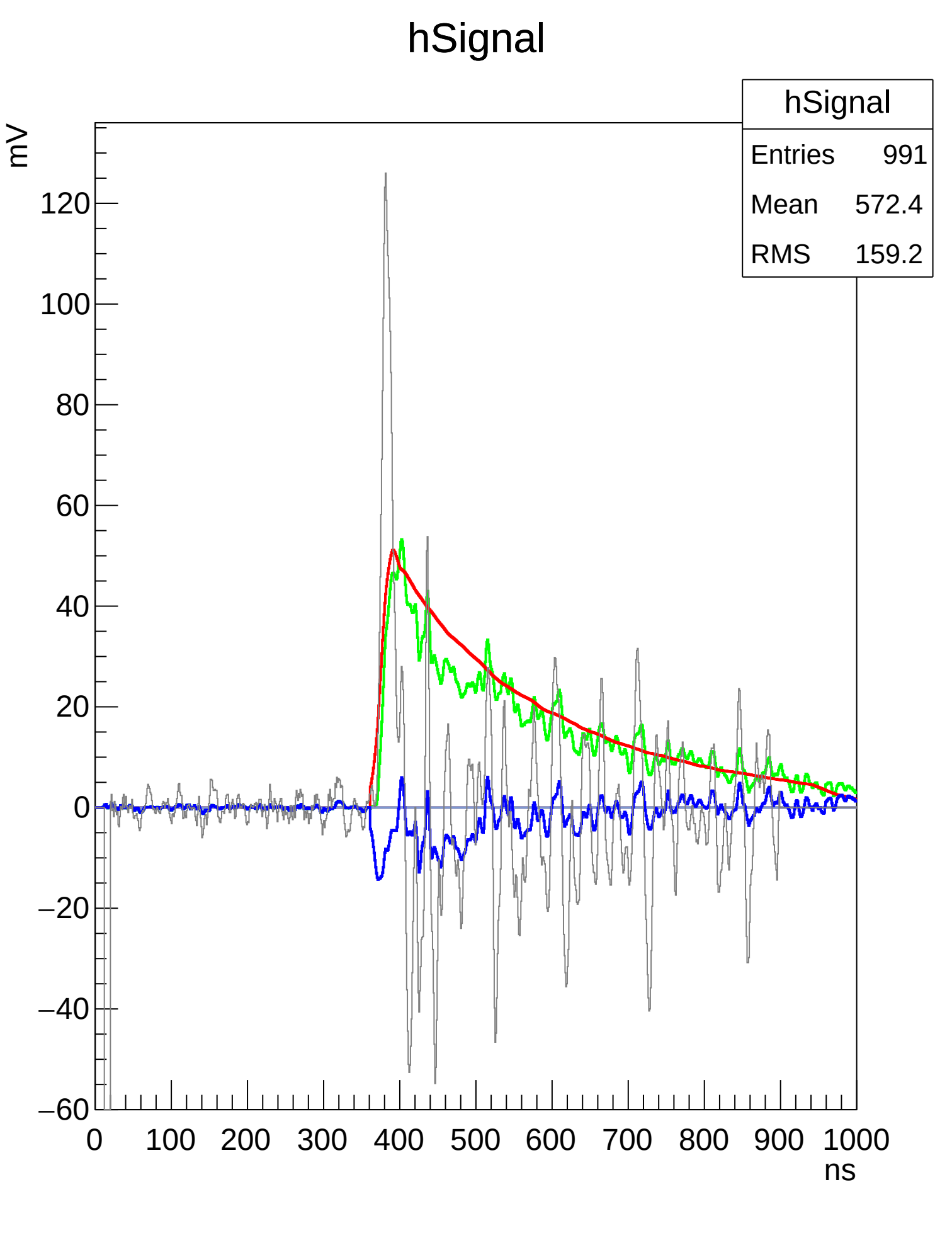

hSignal
hSignal
Entries 991
Mean 521.1
RMS 177.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

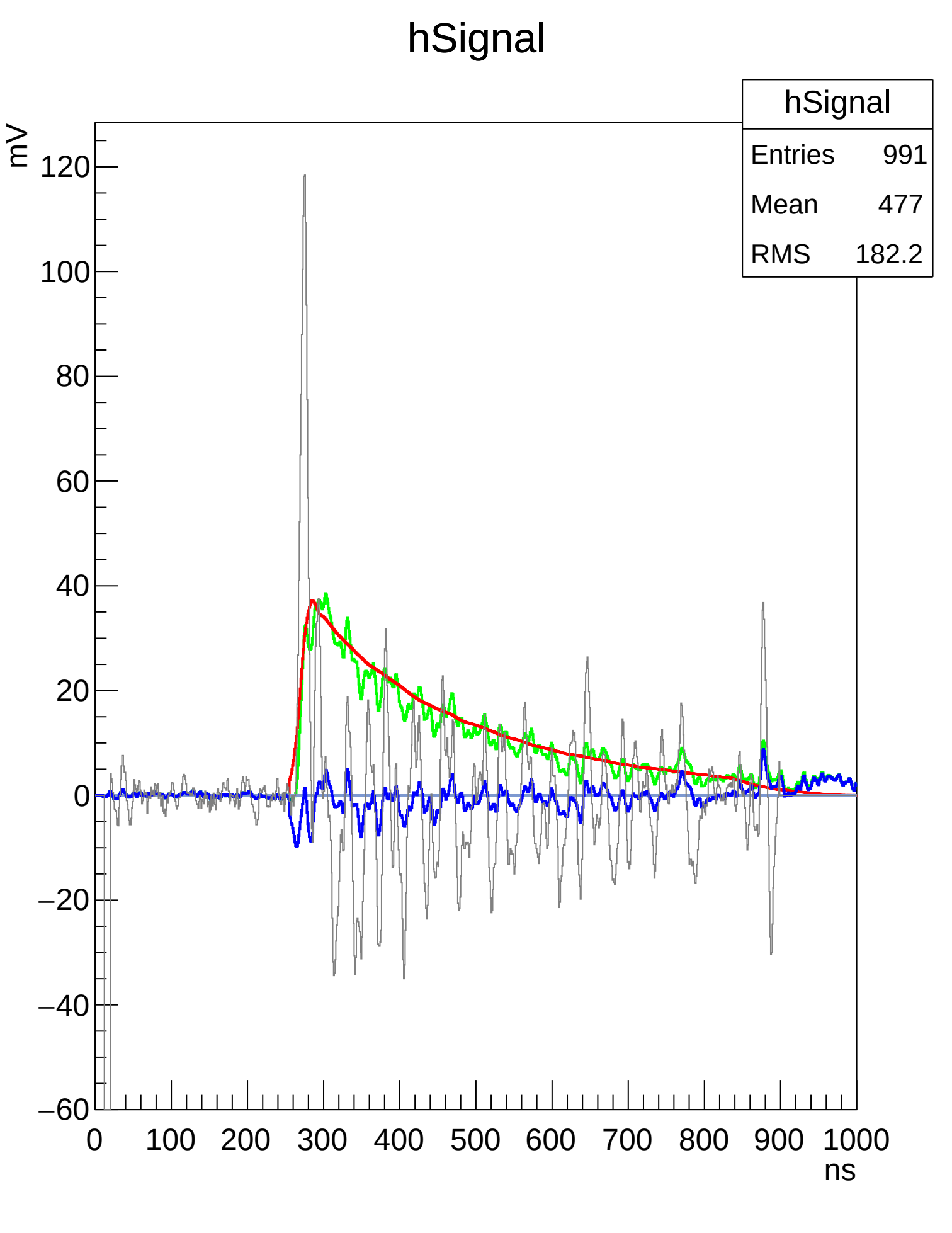

hSignal
hSignal
Entries 991
Mean 566.1
RMS 158.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

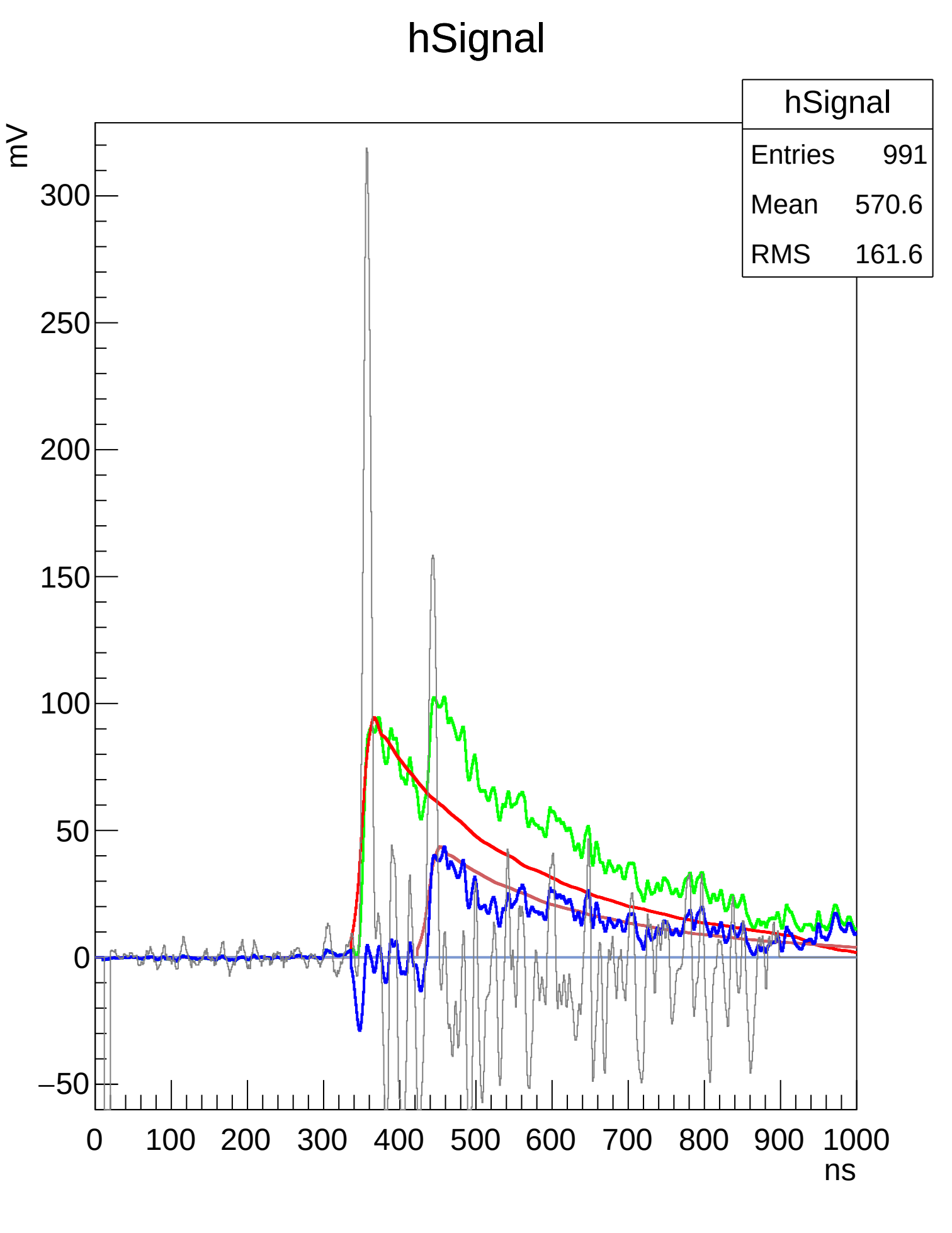

hSignal
hSignal
Entries 991
Mean 567.2
RMS 159
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

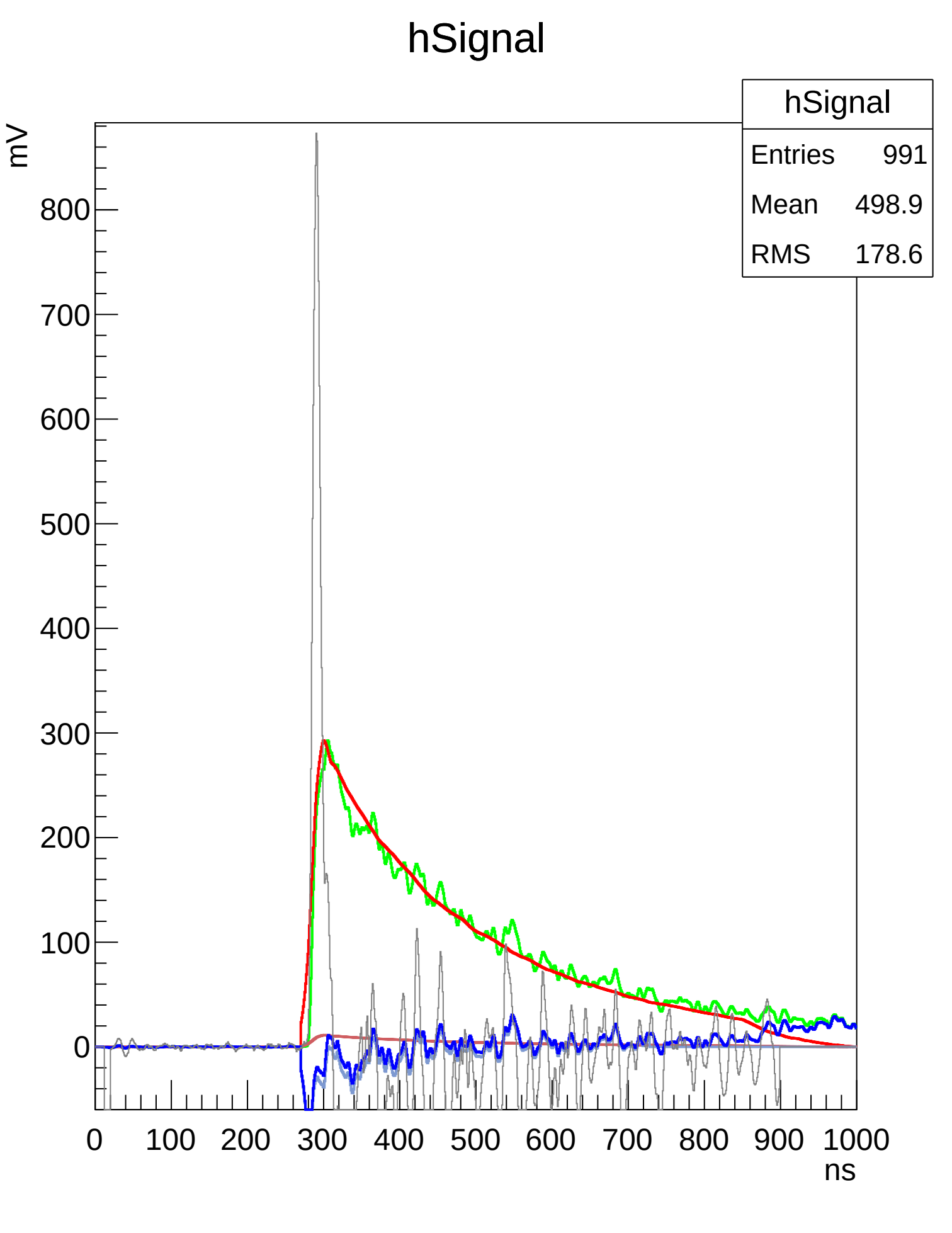

hSignal
hSignal
Entries 991
Mean 569.4
RMS 159.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

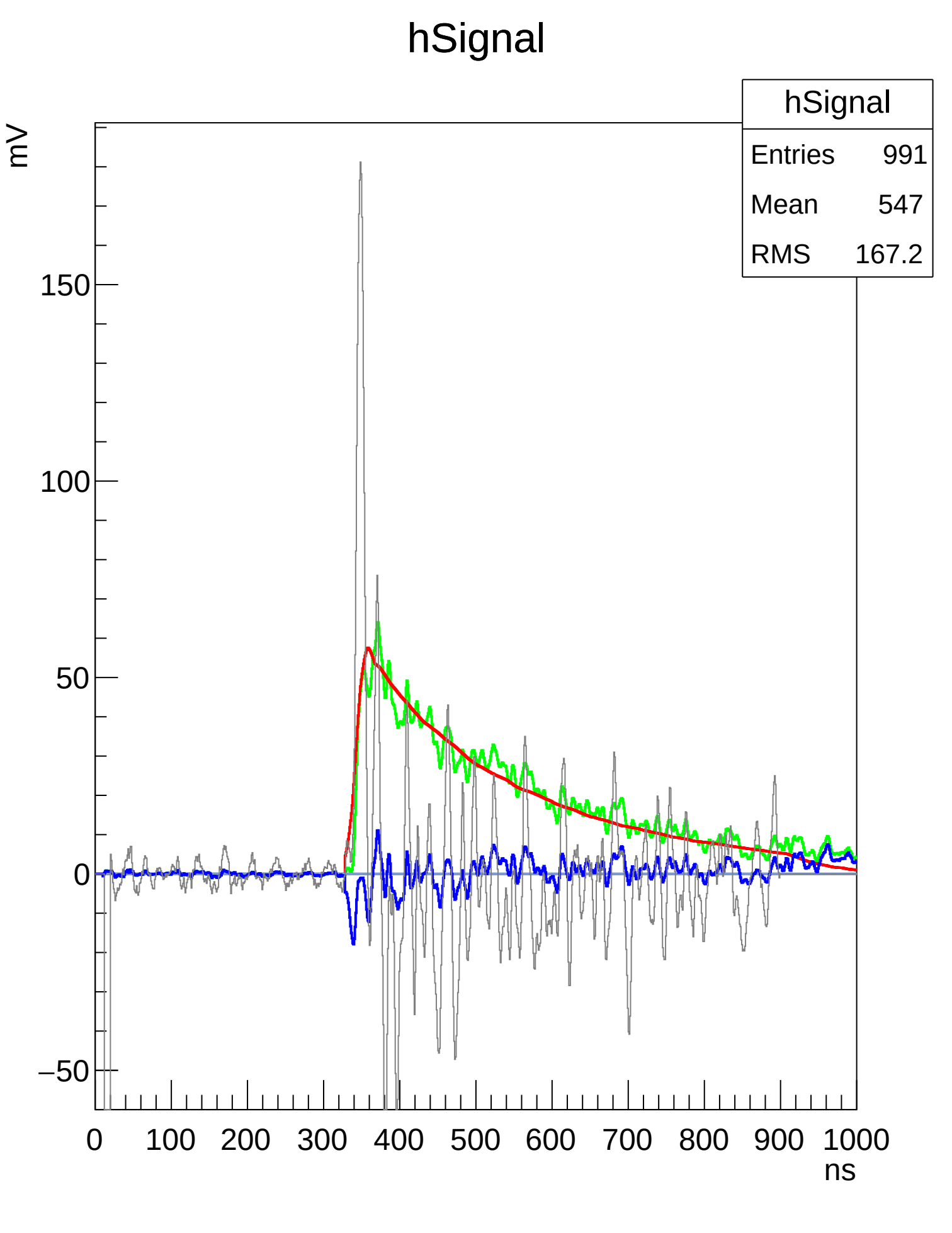

hSignal
hSignal
Entries 991
Mean 571.5
RMS 161.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

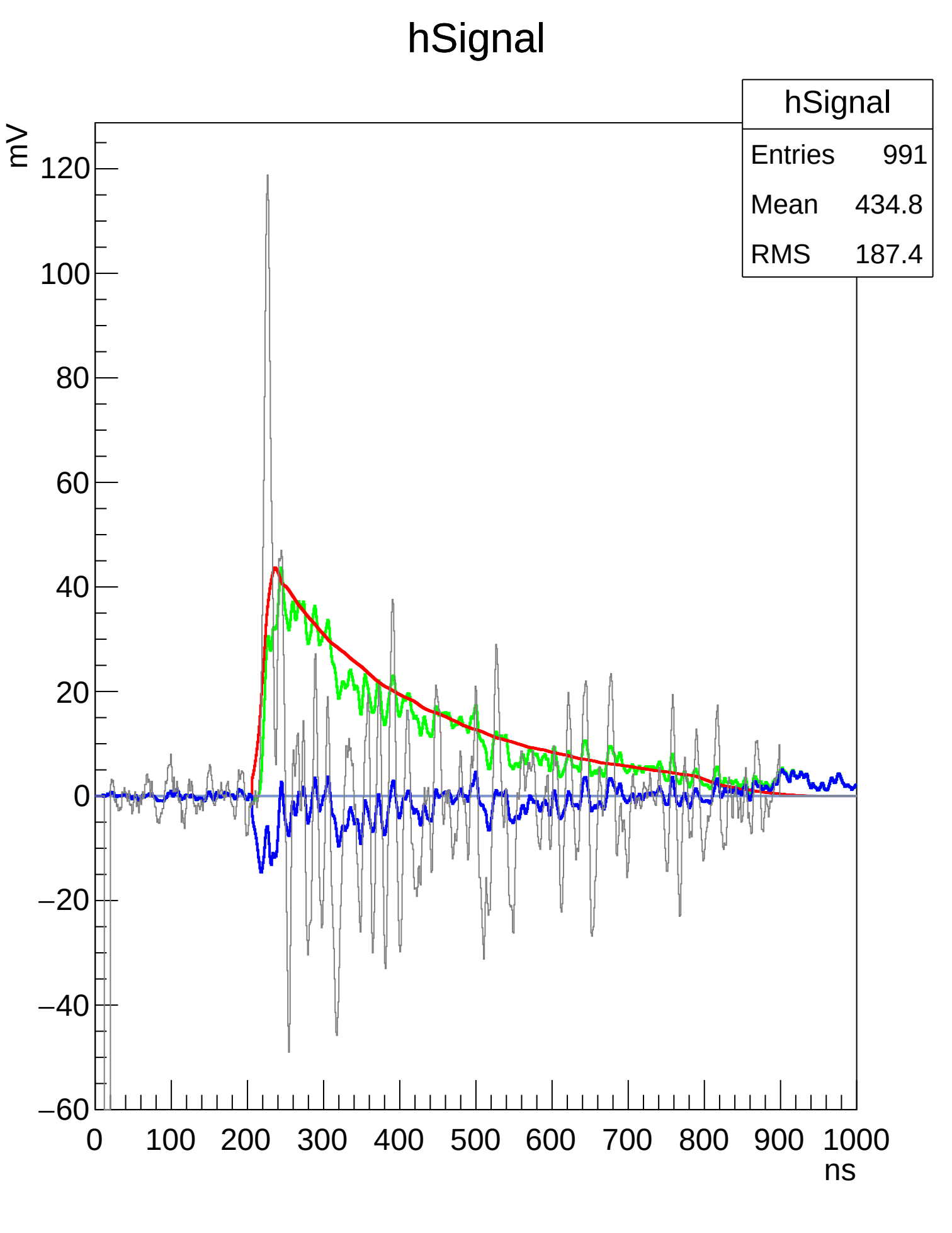

hSignal
hSignal
Entries 991
Mean 572.4
RMS 159.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

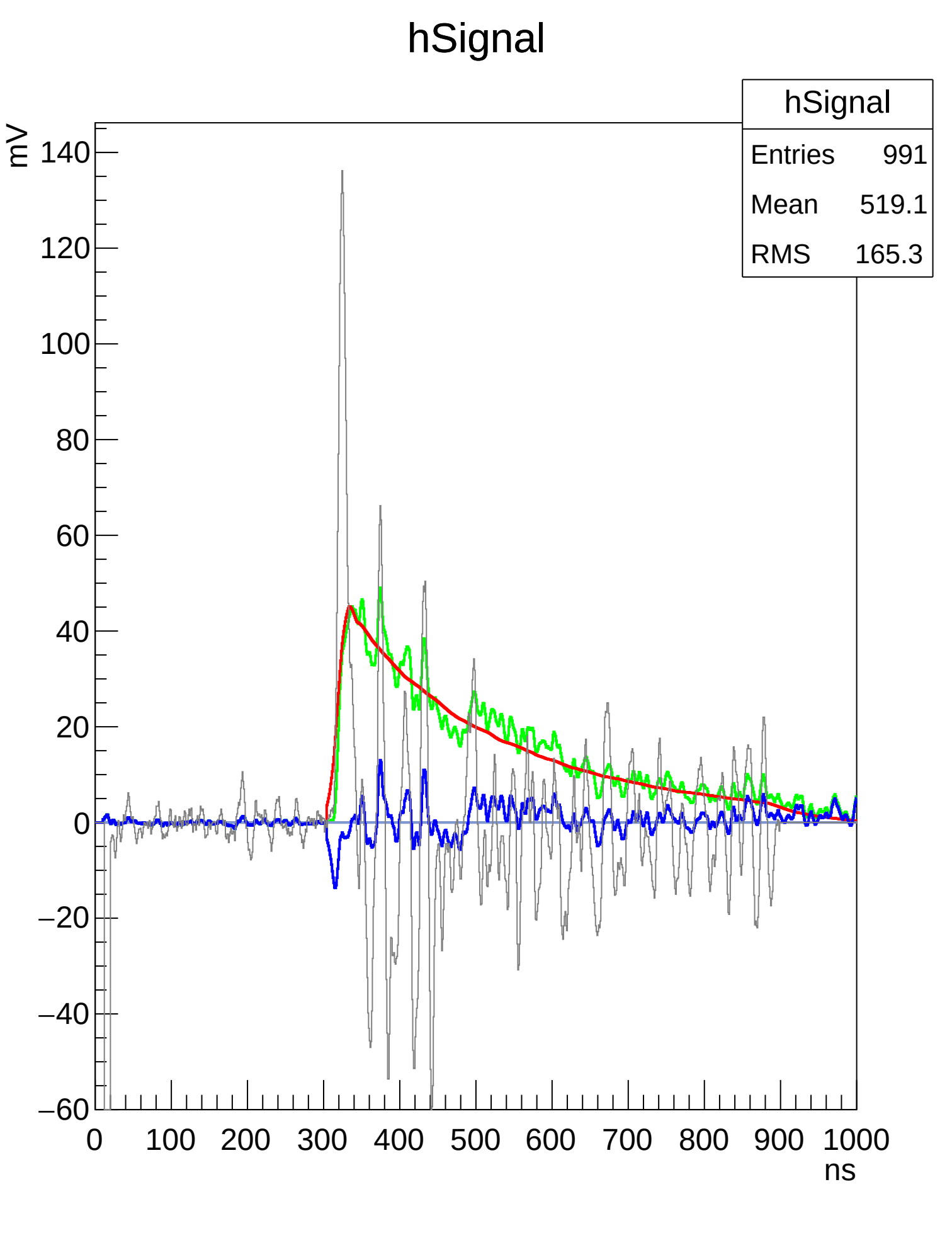

hSignal
hSignal
Entries 991
Mean 477
RMS 182.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

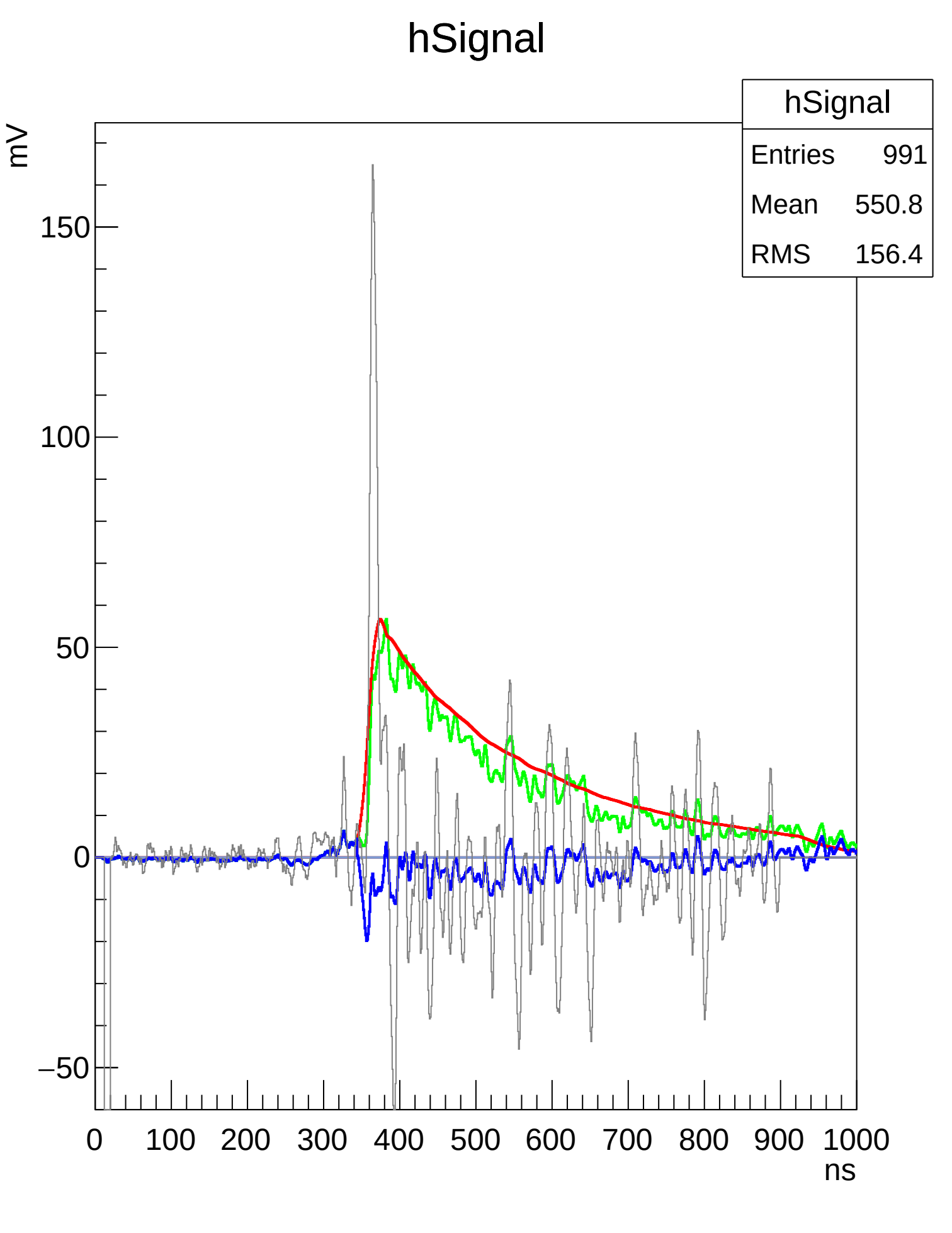

hSignal
hSignal
Entries 991
Mean 570.6
RMS 161.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

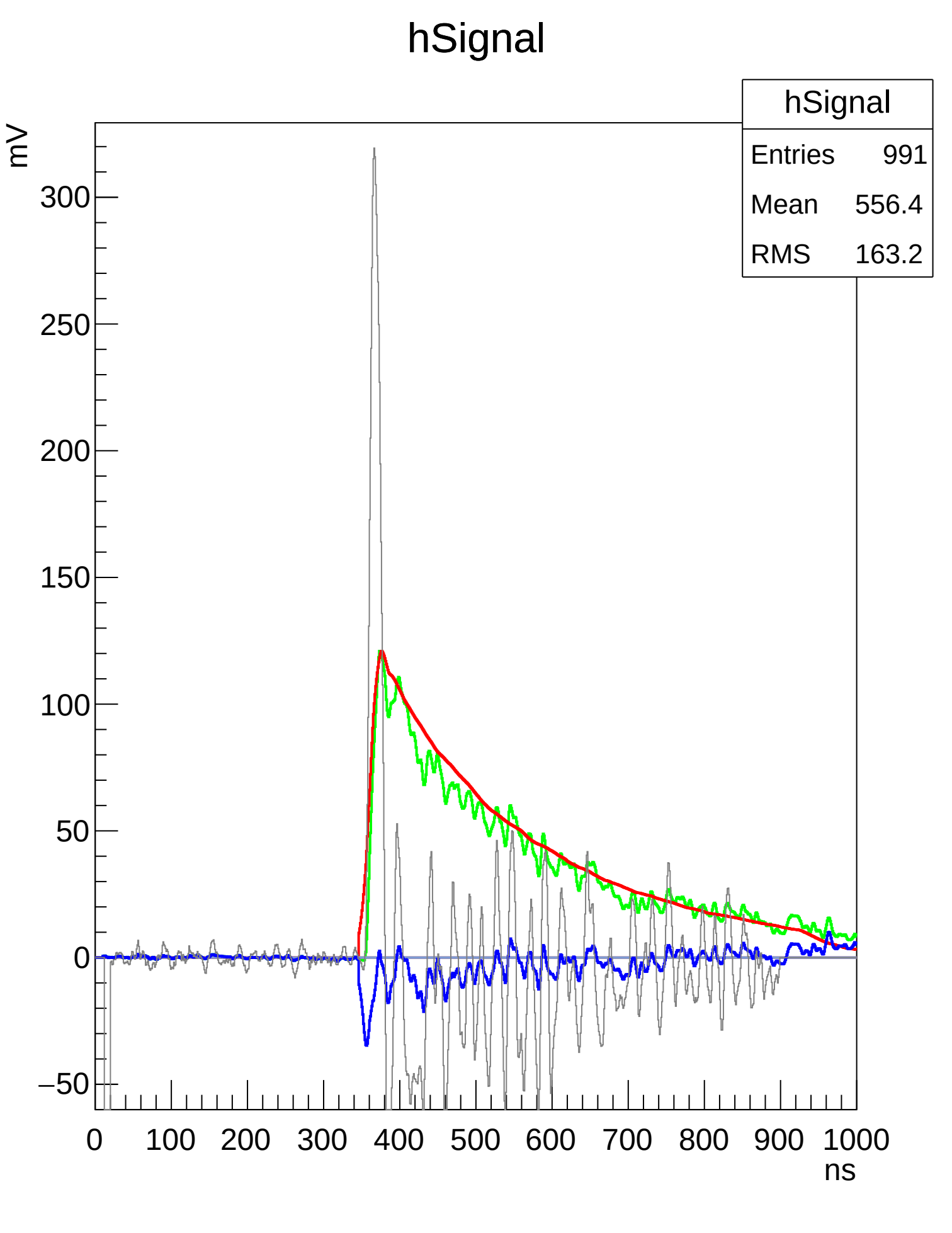

hSignal
hSignal
Entries 991
Mean 498.9
RMS 178.6
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

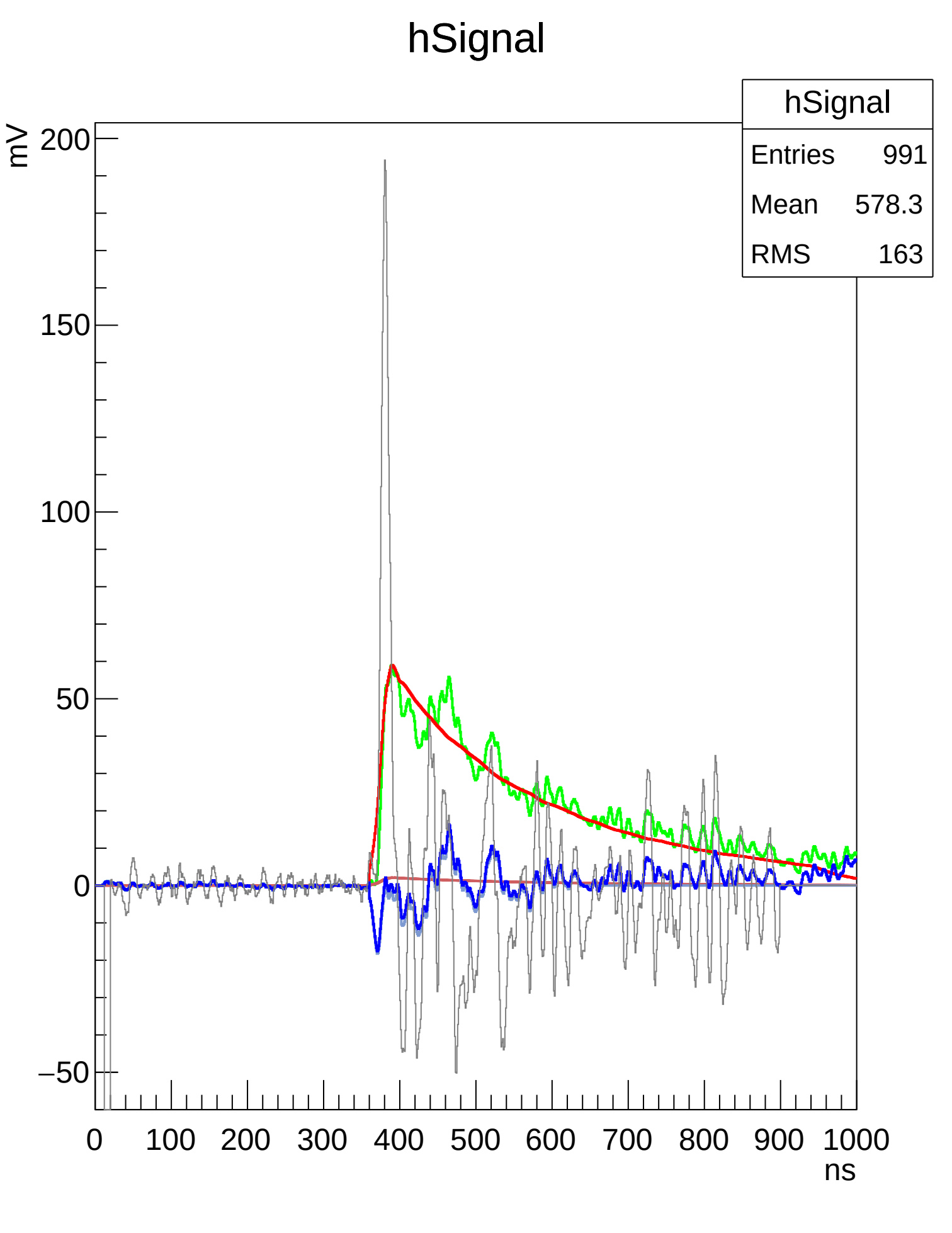

hSignal
hSignal
Entries 991
Mean 547
RMS 167.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

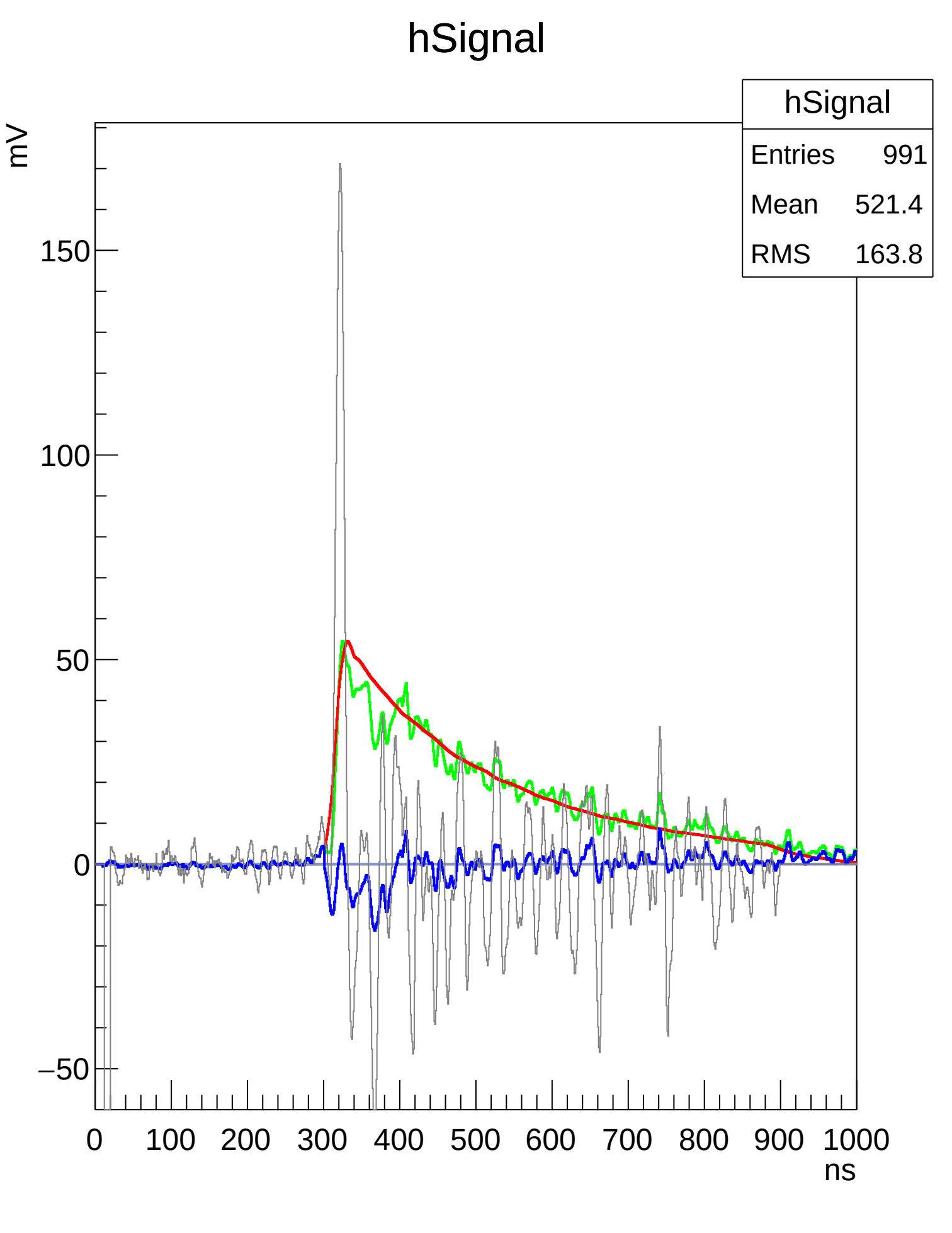

hSignal
hSignal
Entries 991
Mean 434.8
RMS 187.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

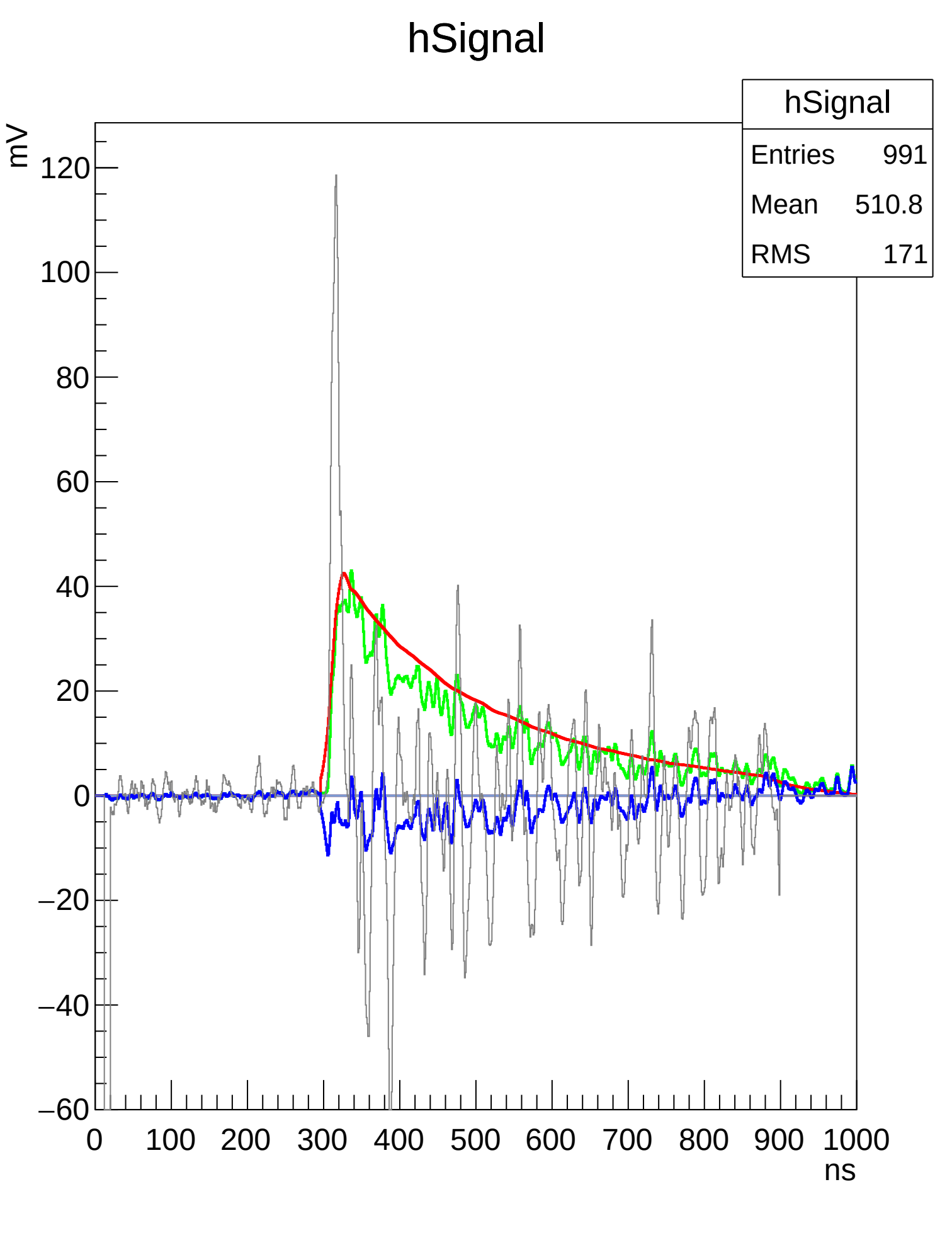

hSignal
hSignal
Entries 991
Mean 519.1
RMS 165.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

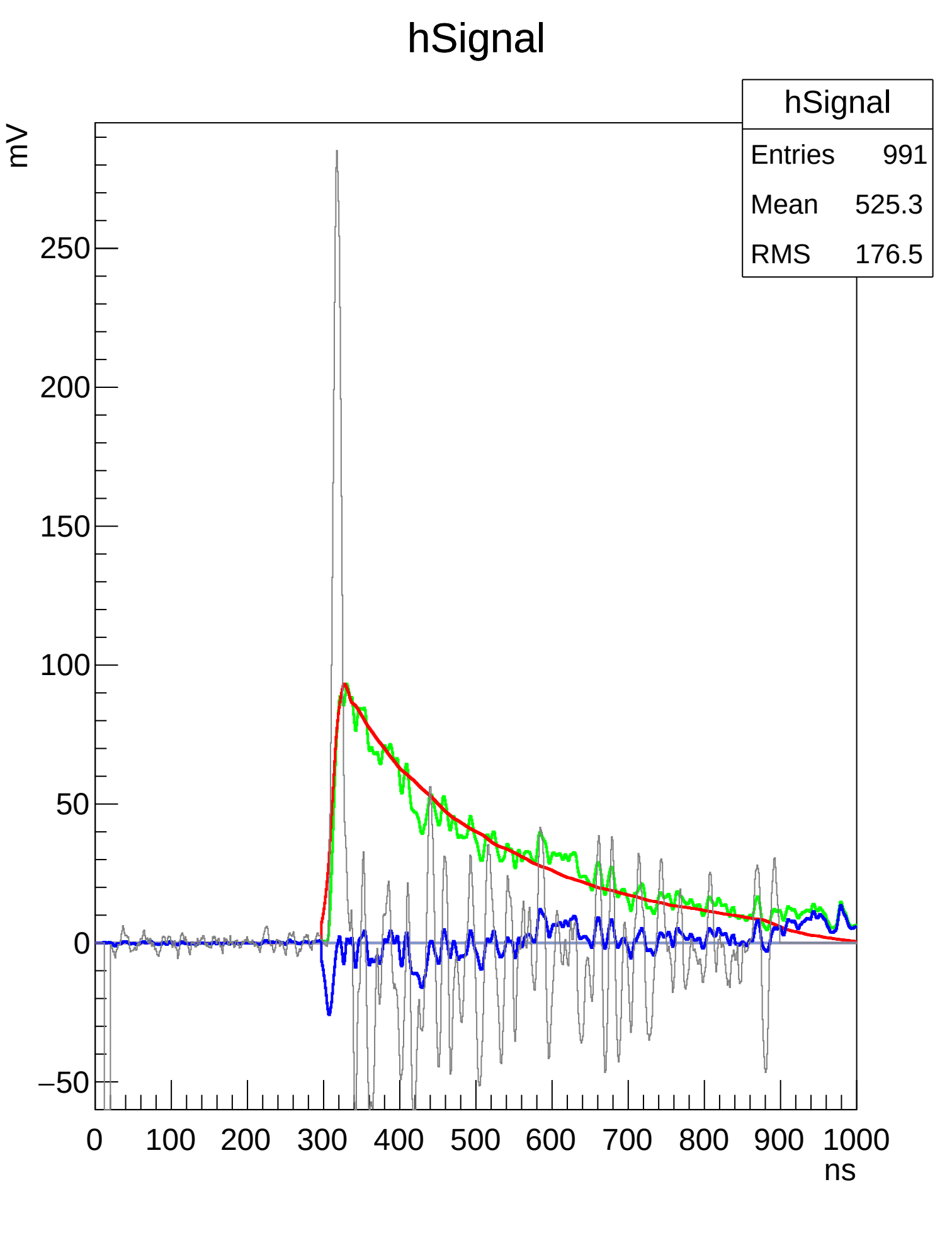

hSignal
hSignal
Entries 991
Mean 550.8
RMS 156.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

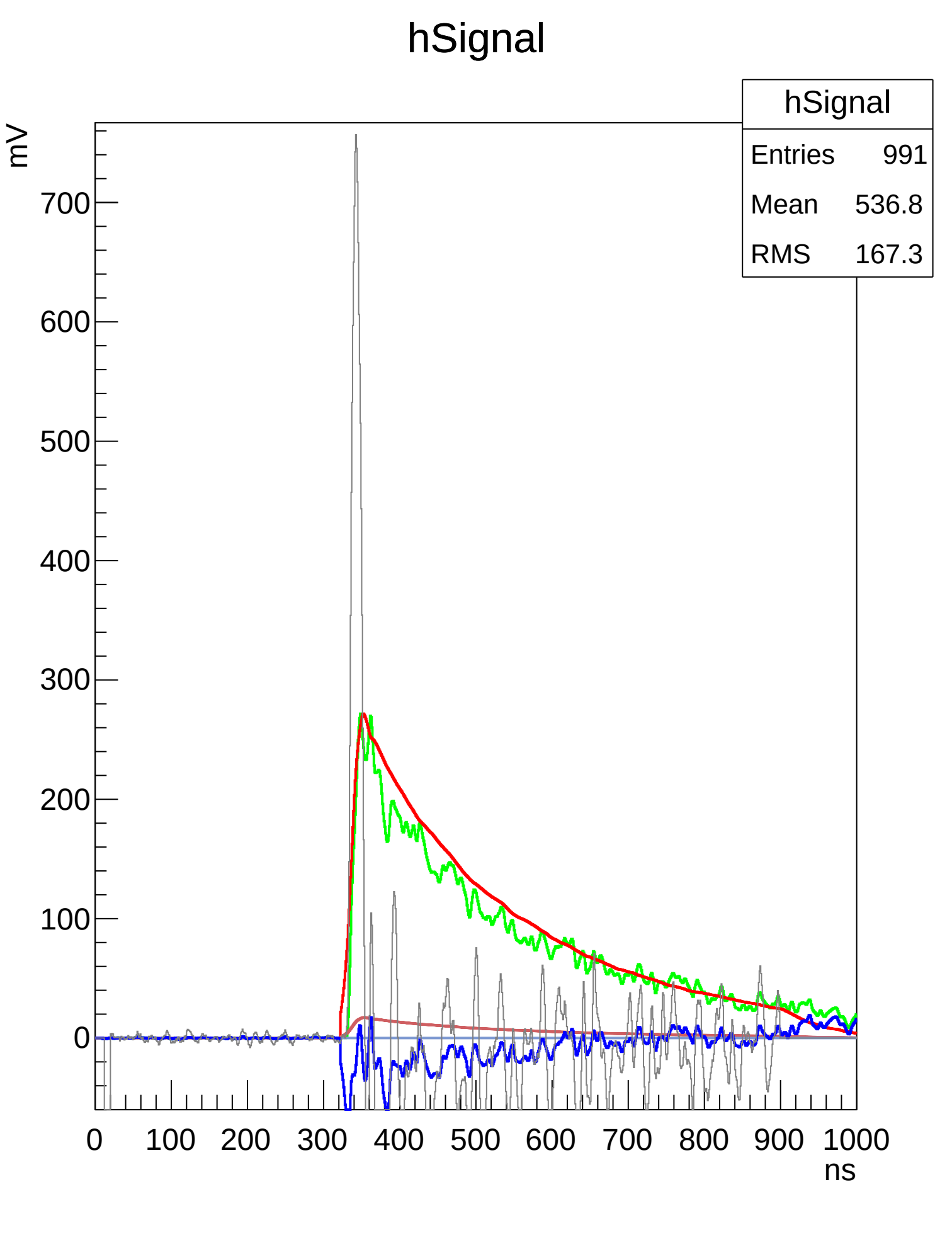

hSignal
hSignal
Entries 991
Mean 556.4
RMS 163.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

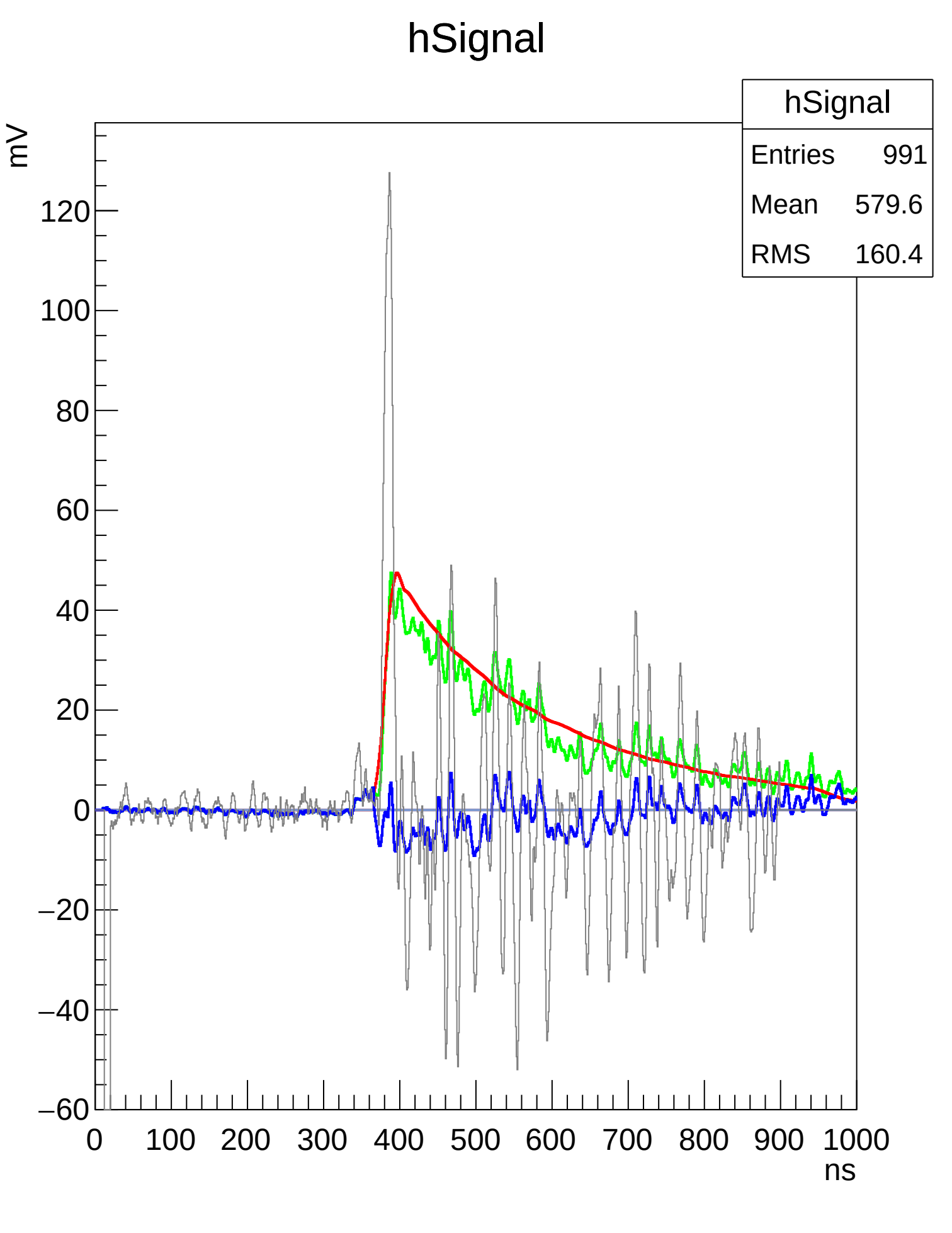

hSignal
hSignal
Entries 991
Mean 578.3
RMS 163
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

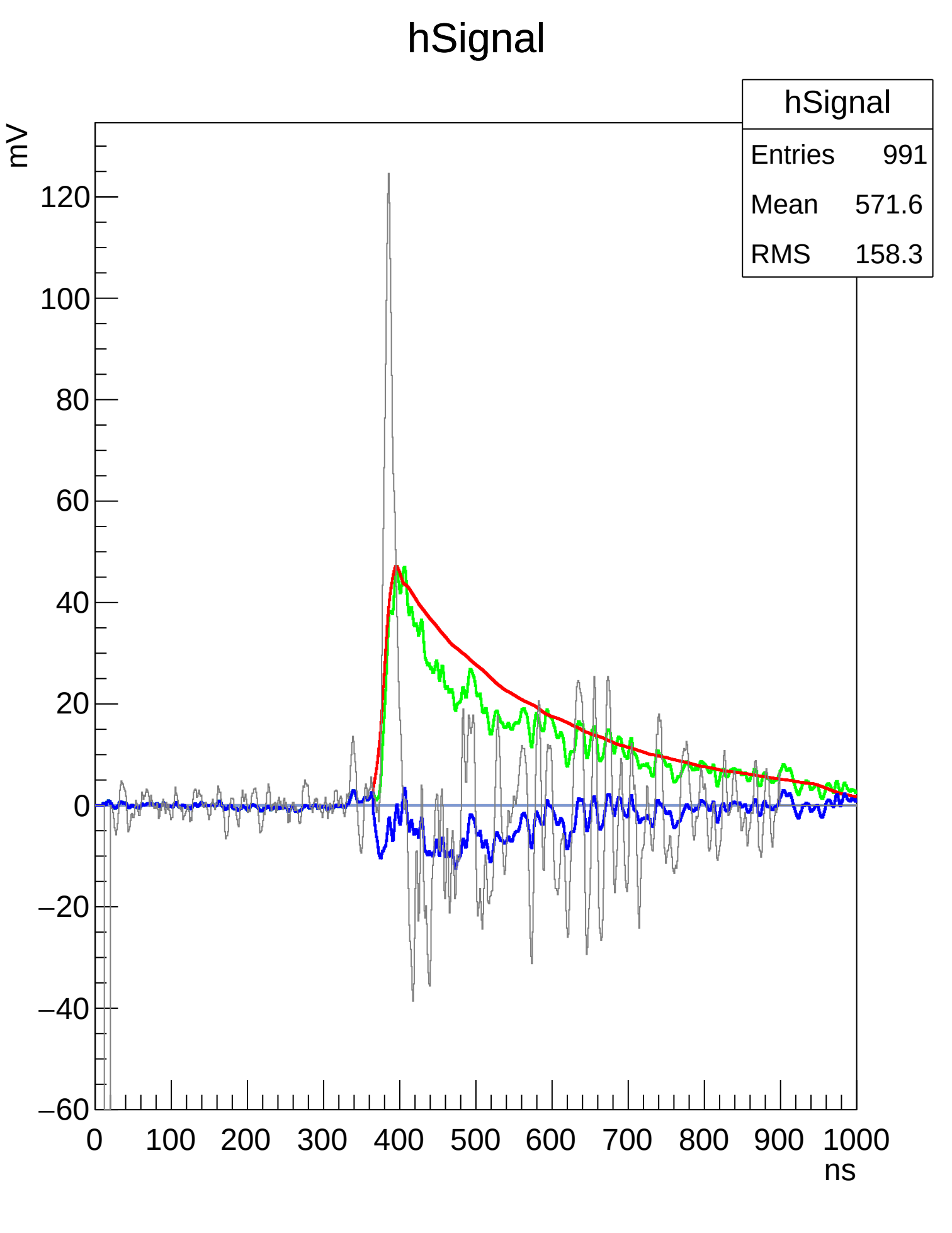

hSignal
hSignal
Entries 991
Mean 521.4
RMS 163.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

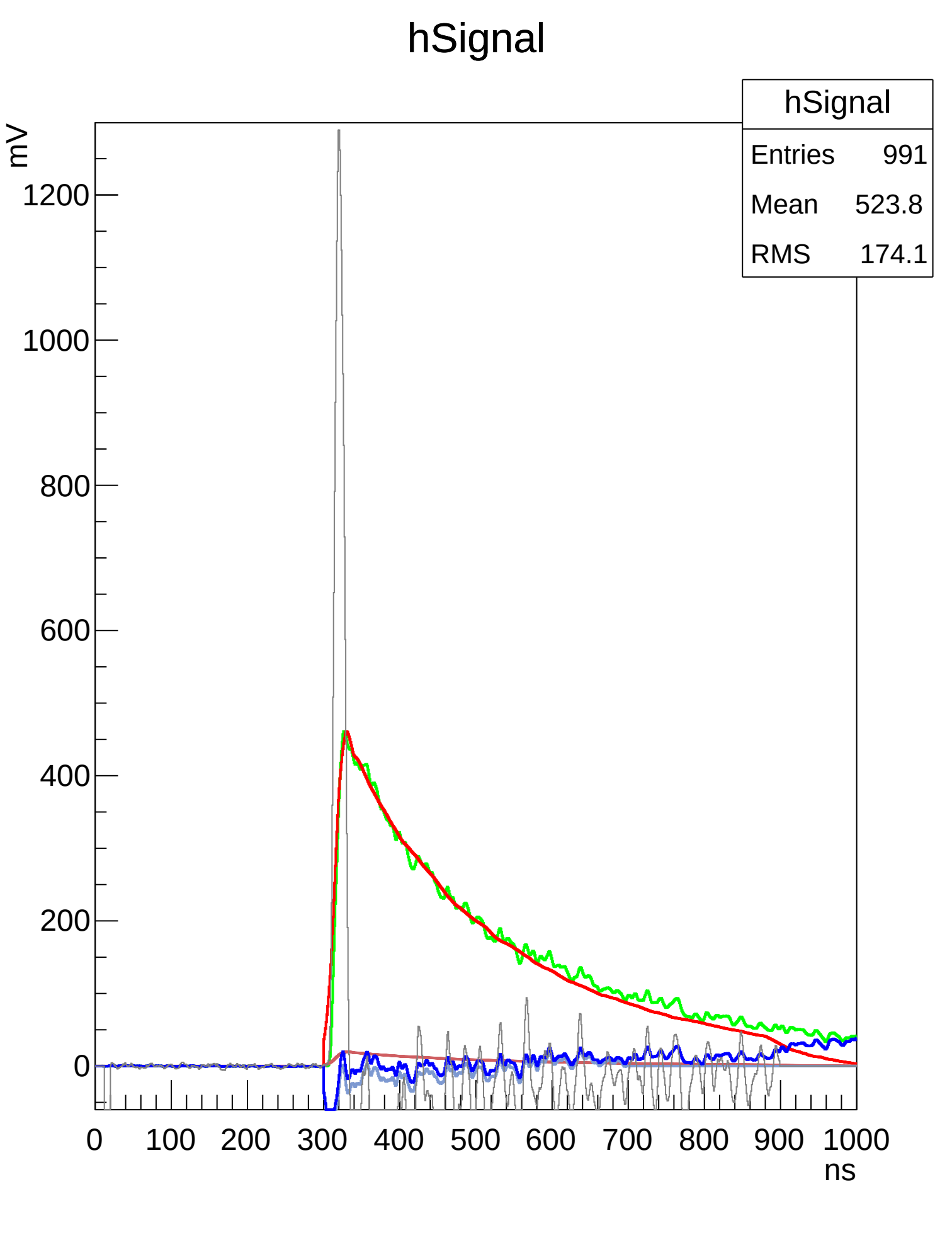

hSignal
hSignal
Entries 991
Mean 510.8
RMS 171
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

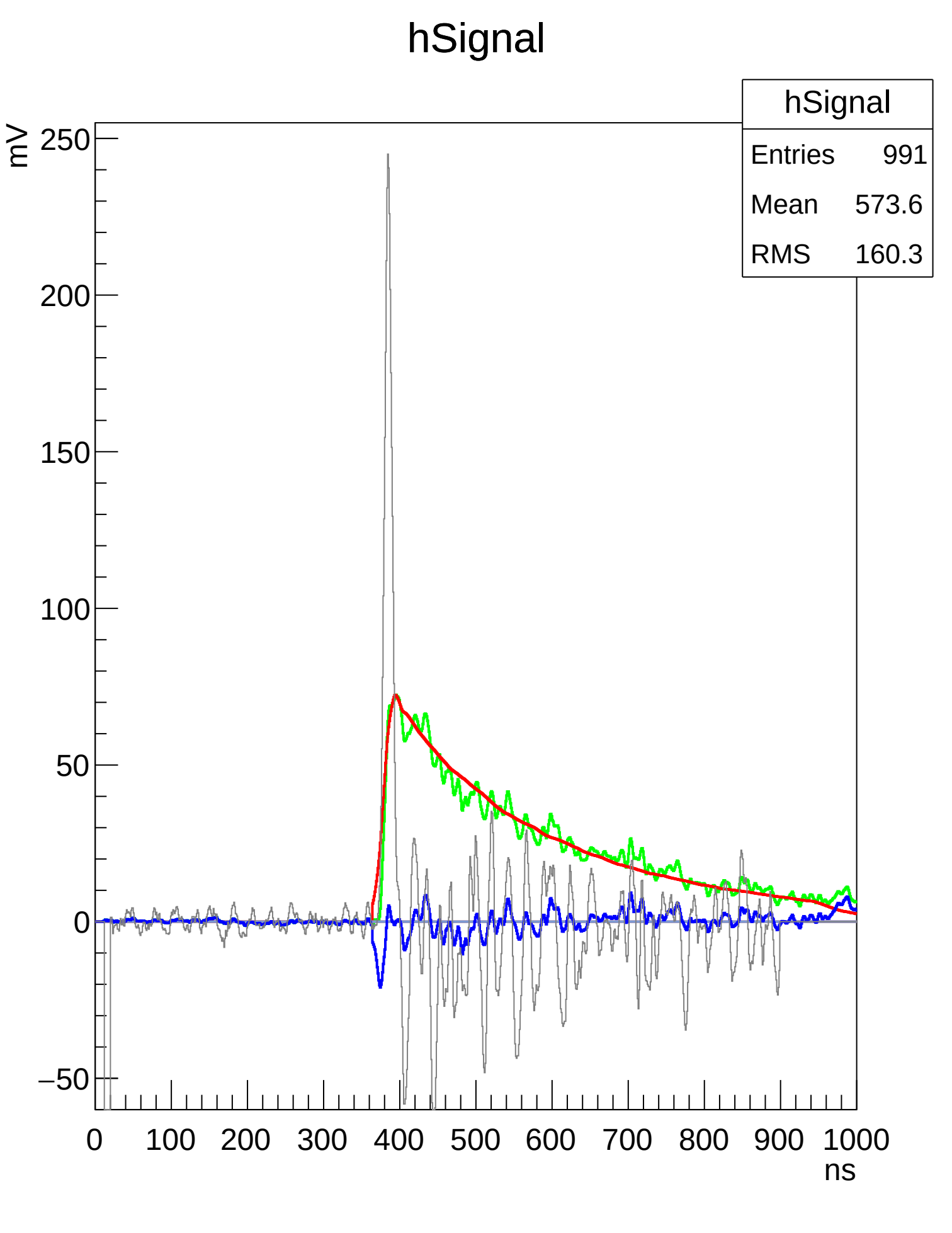

hSignal
hSignal
Entries 991
Mean 525.3
RMS 176.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

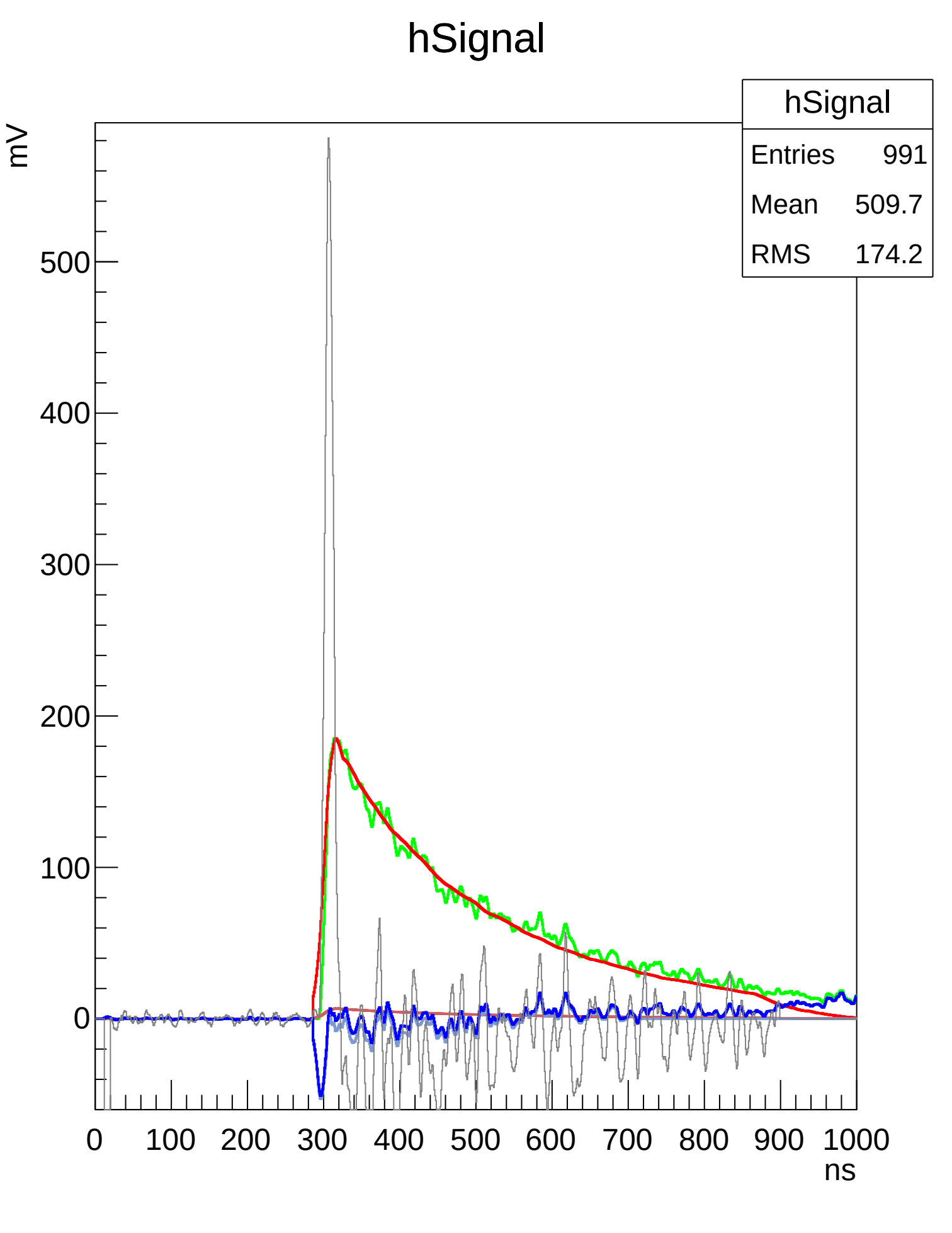

hSignal
hSignal
Entries 991
Mean 536.8
RMS 167.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

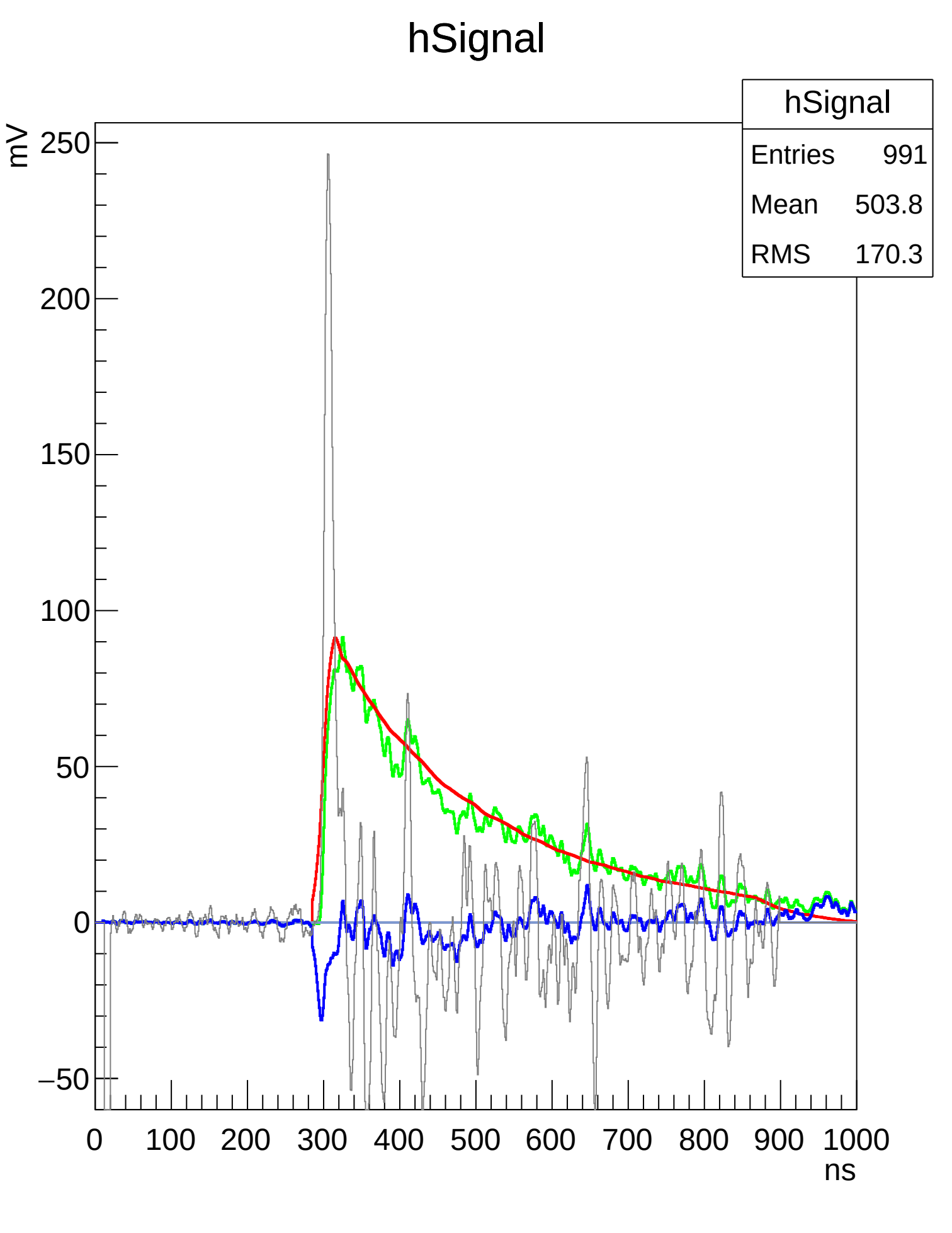

hSignal
hSignal
Entries 991
Mean 579.6
RMS 160.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

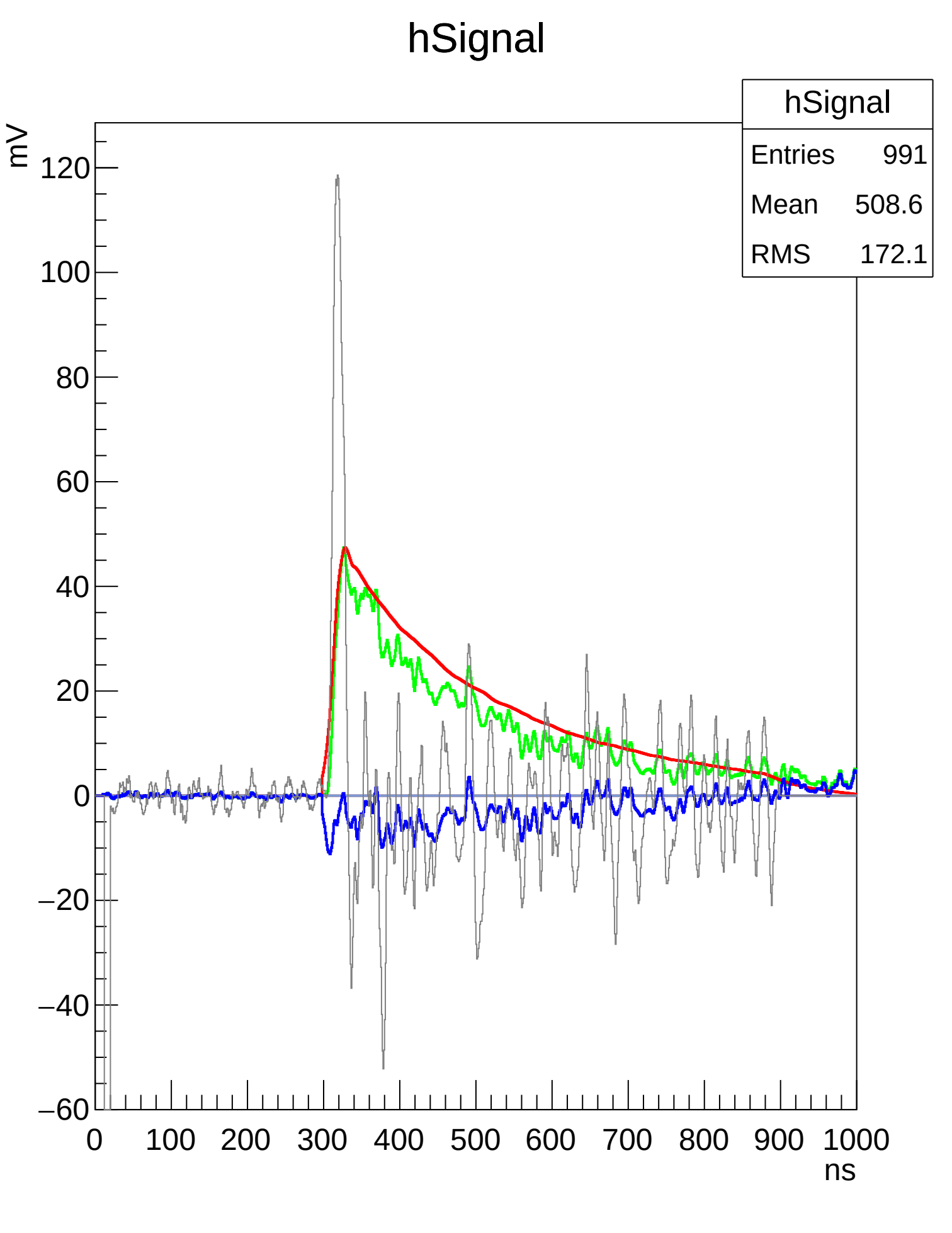

hSignal
hSignal
Entries 991
Mean 571.6
RMS 158.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

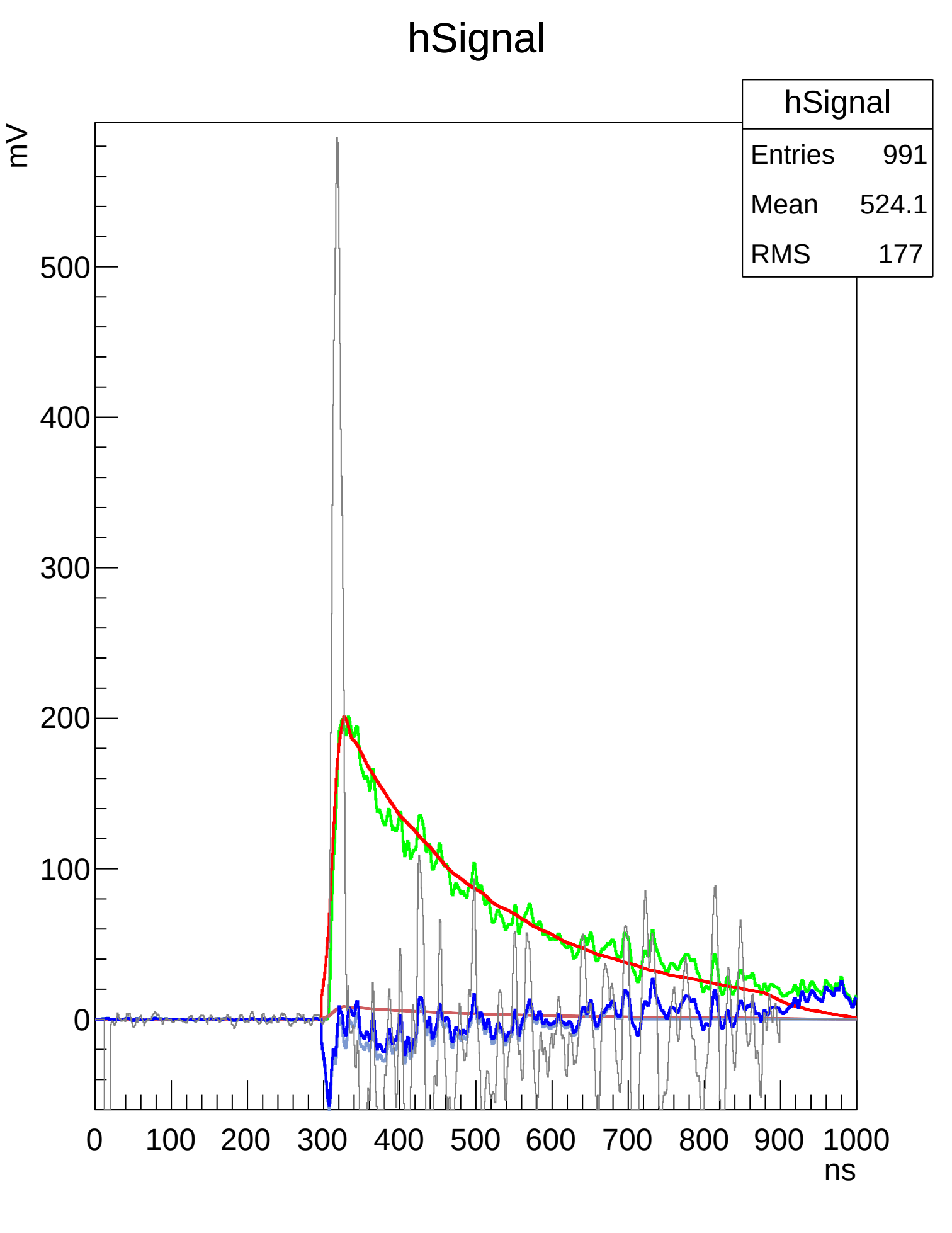

hSignal
hSignal
Entries 991
Mean 523.8
RMS 174.1
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

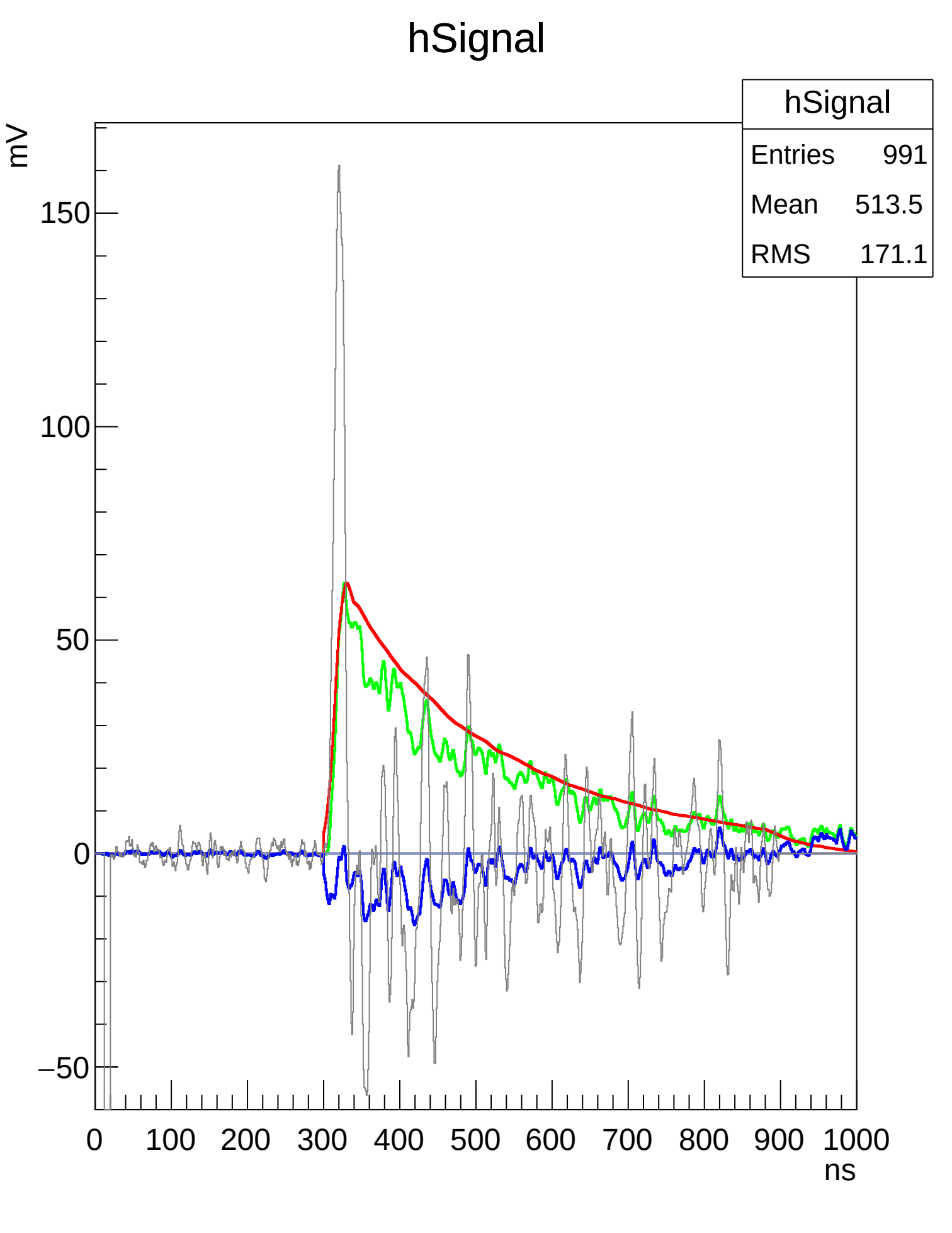

hSignal
hSignal
Entries 991
Mean 573.6
RMS 160.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

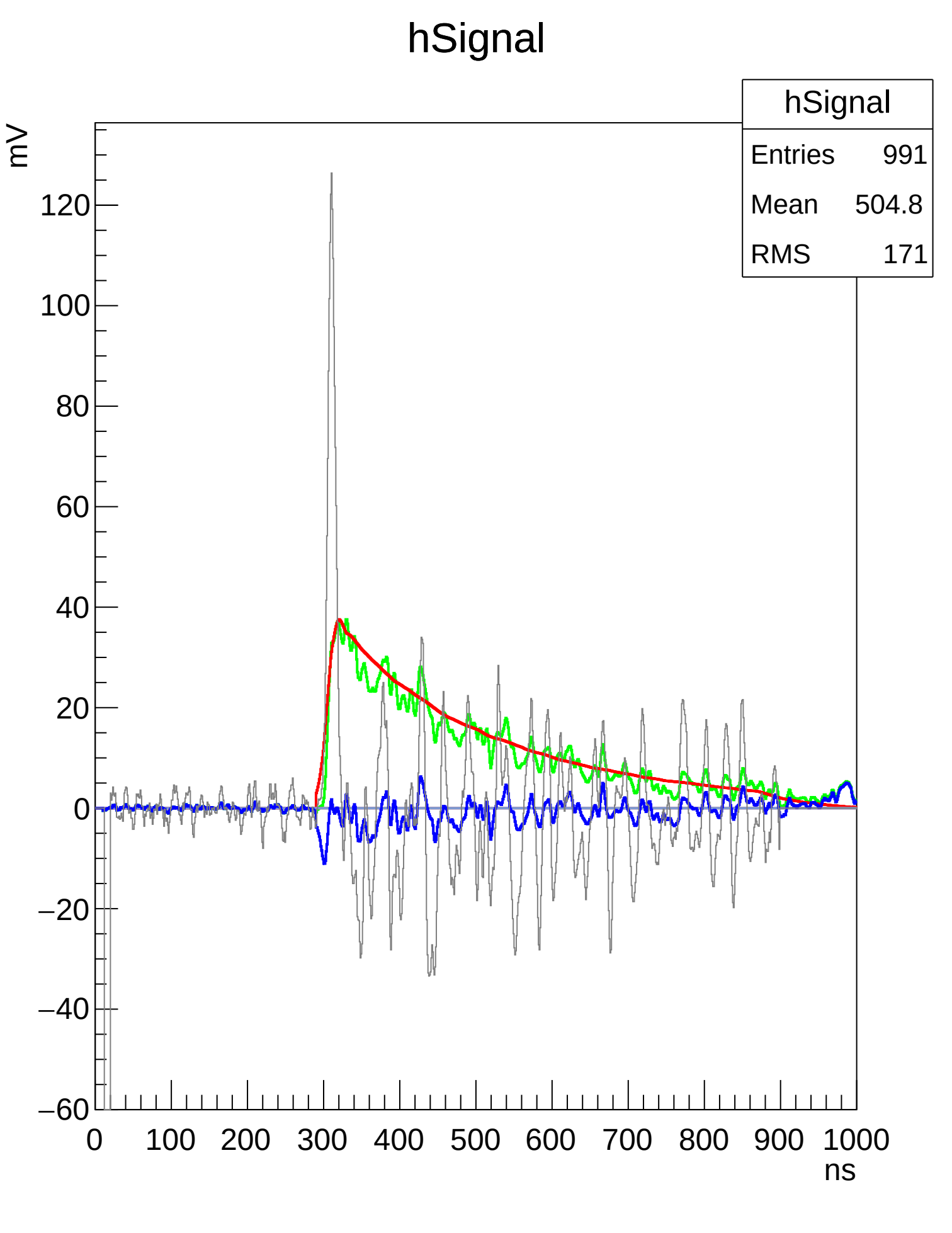

hSignal
hSignal
Entries 991
Mean 509.7
RMS 174.2
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

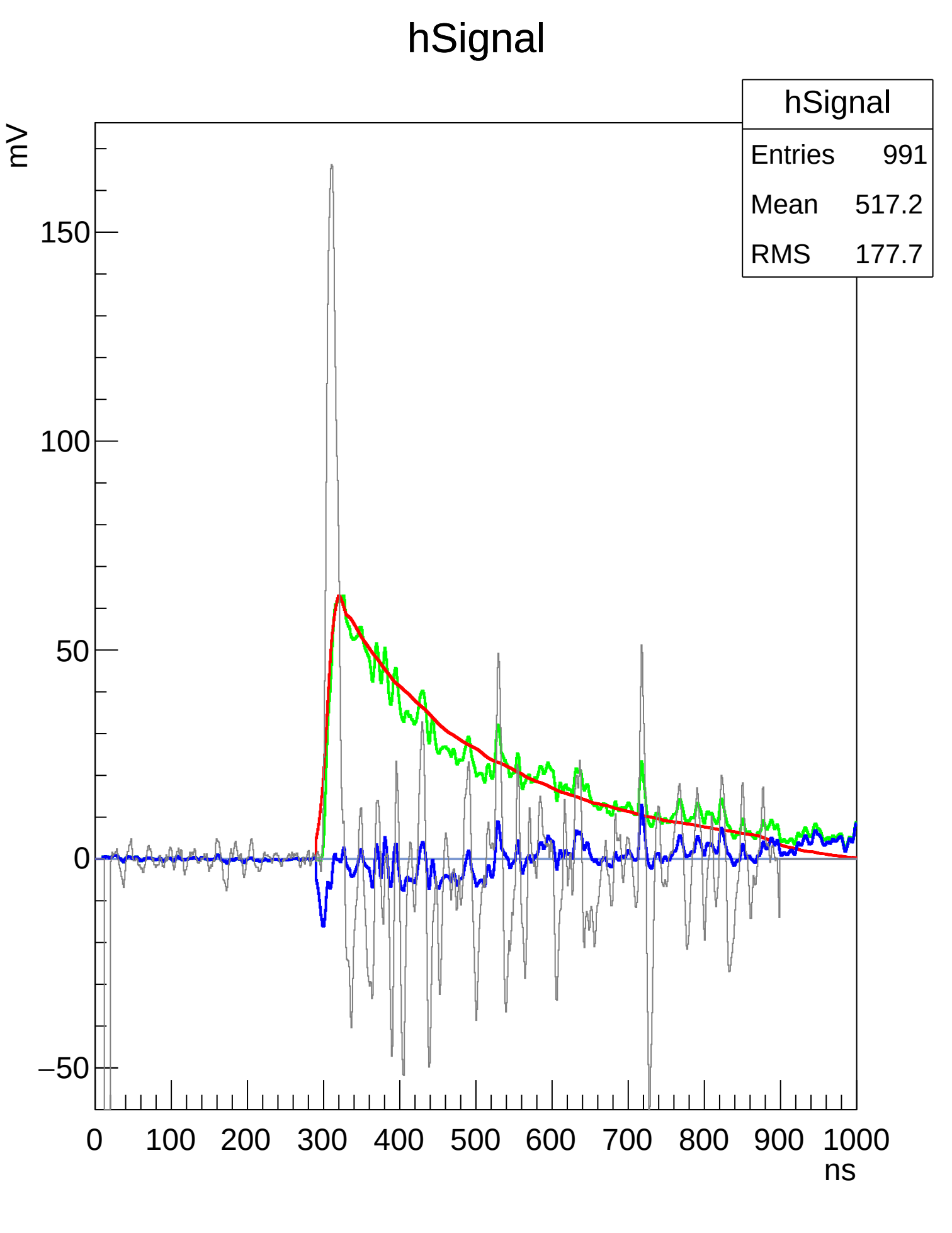

hSignal
hSignal
Entries 991
Mean 503.8
RMS 170.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

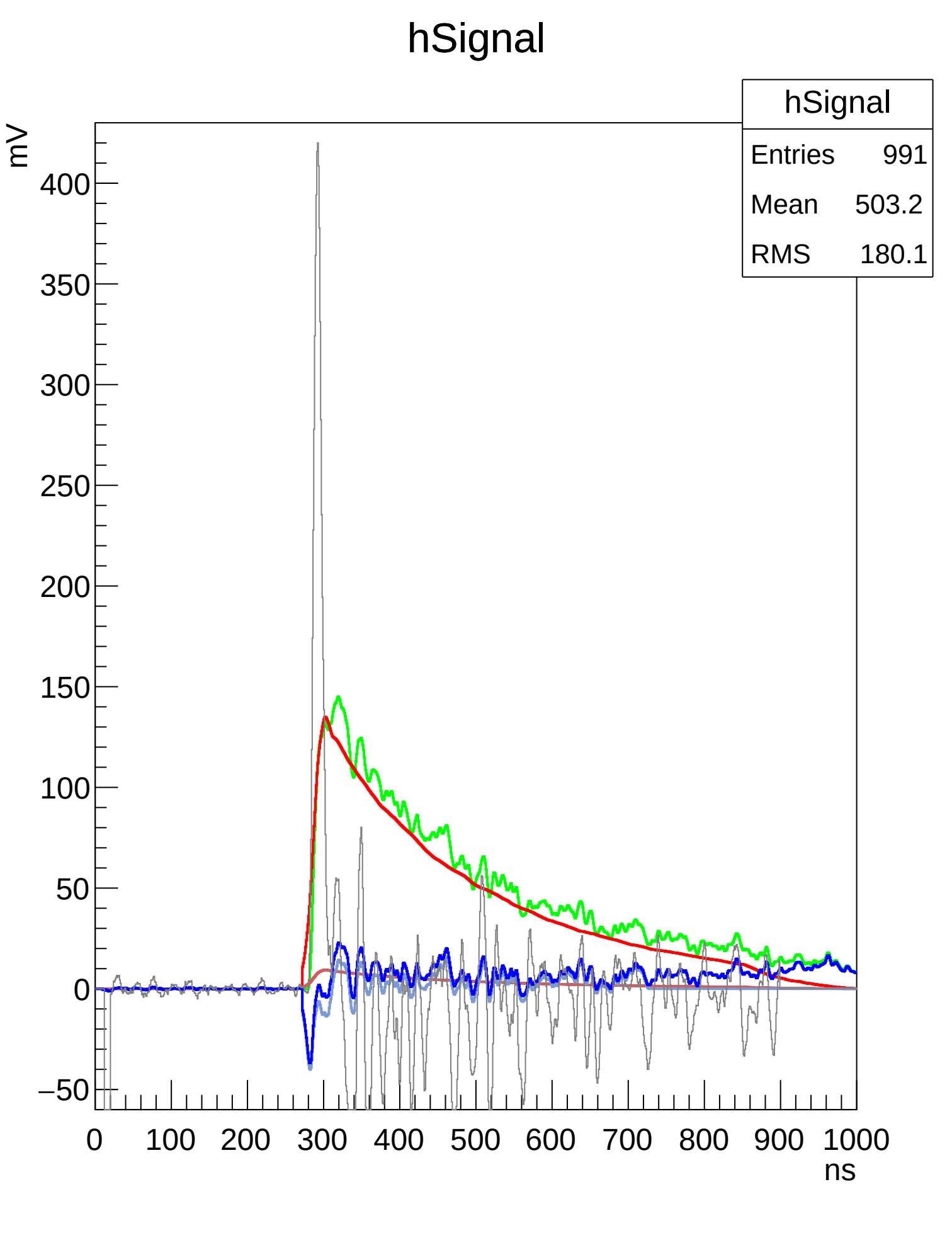

hSignal
hSignal
Entries 991
Mean 508.6
RMS 172.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

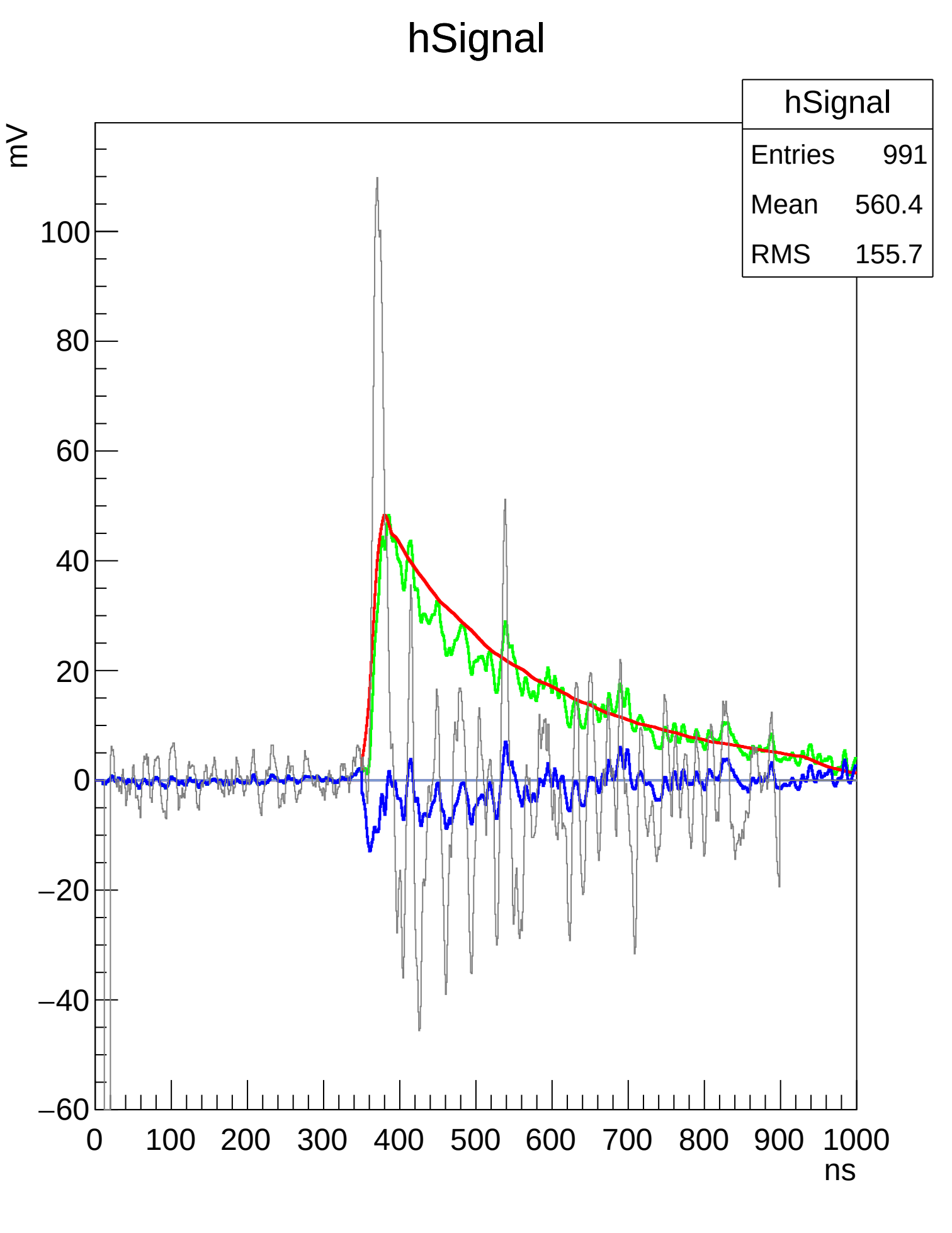

hSignal
hSignal
Entries 991
Mean 524.1
RMS 177
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

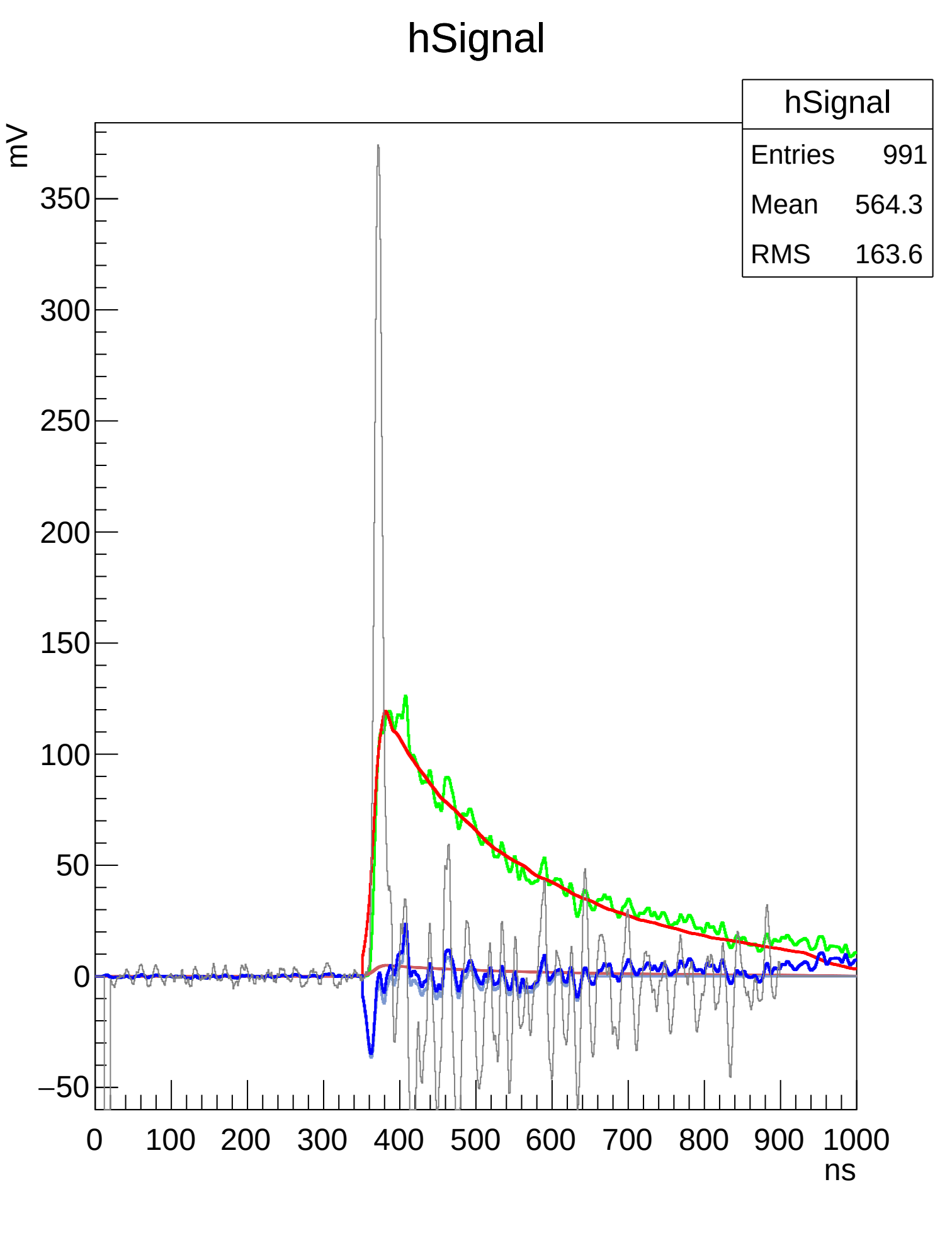

hSignal
hSignal
Entries 991
Mean 513.5
RMS 171.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

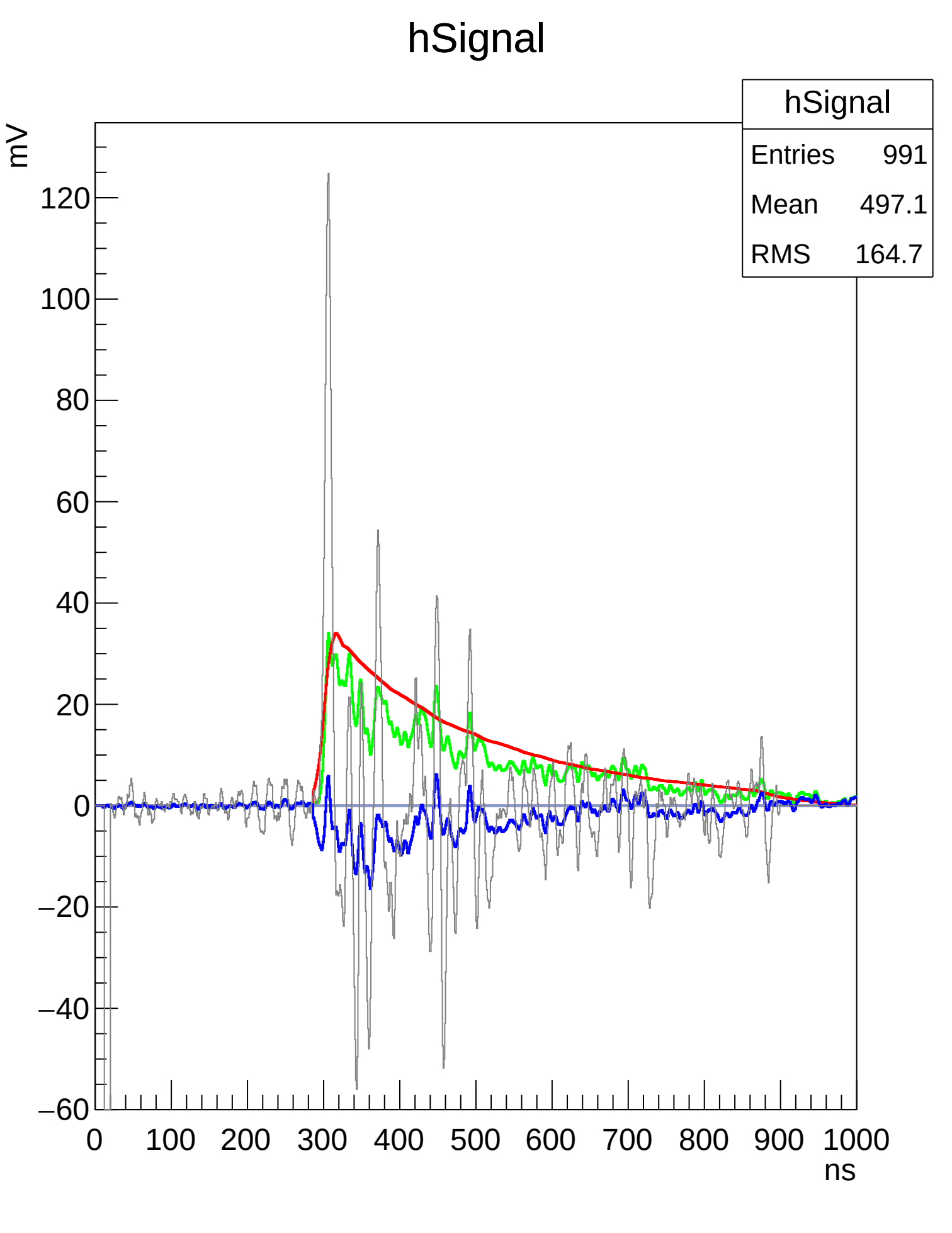

hSignal
hSignal
Entries 991
Mean 504.8
RMS 171
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

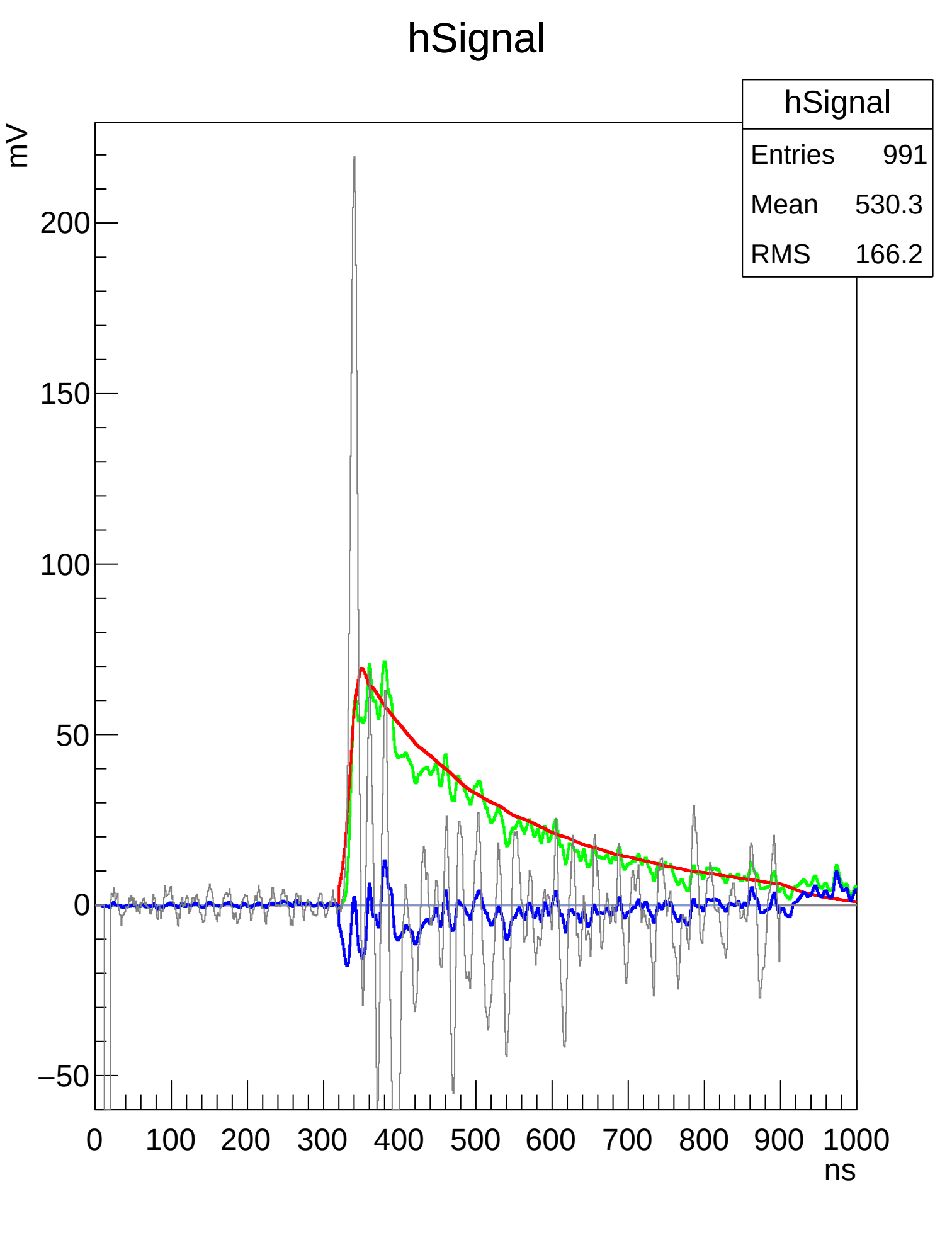

hSignal
hSignal
Entries 991
Mean 517.2
RMS 177.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

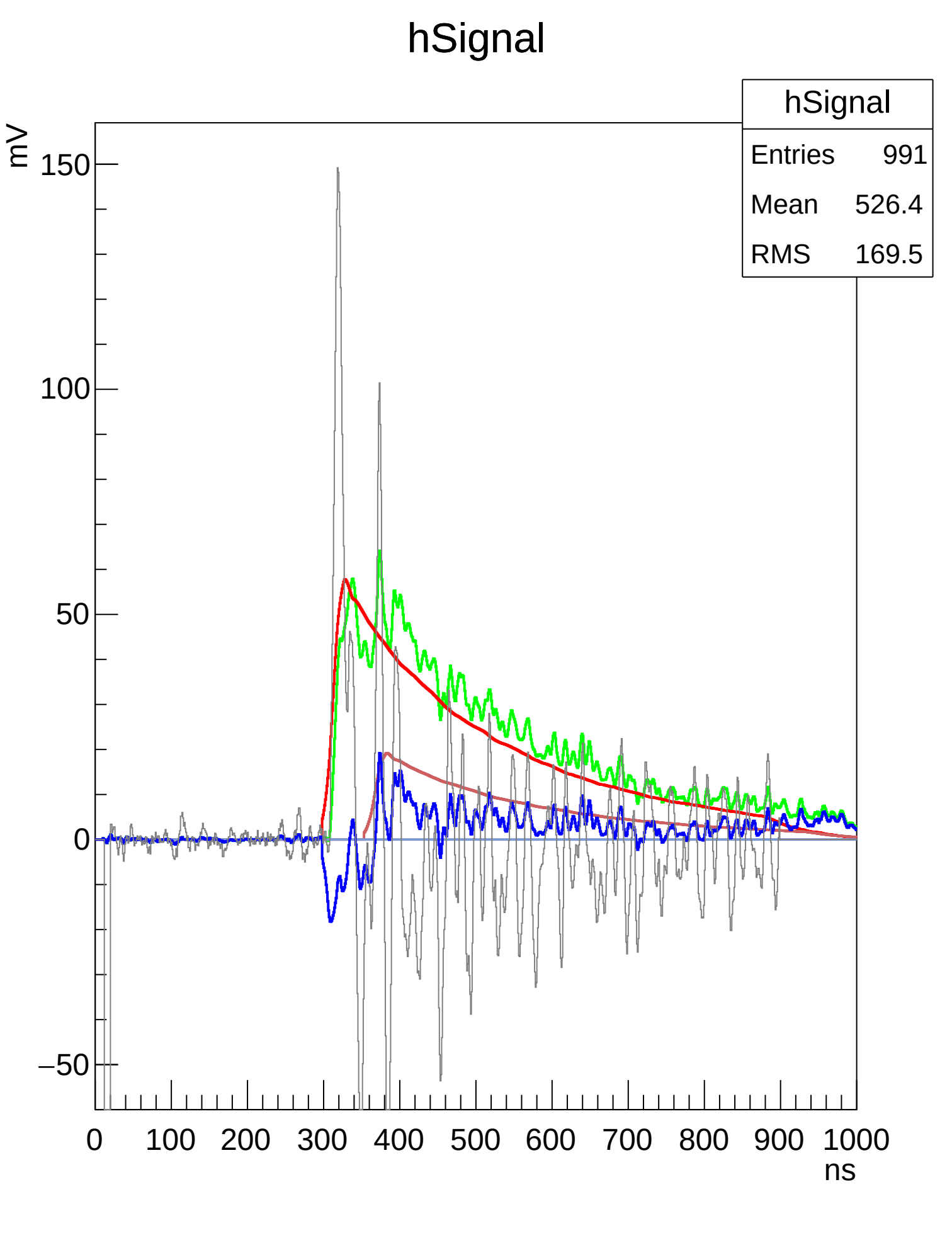

hSignal
hSignal
Entries 991
Mean 503.2
RMS 180.1
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

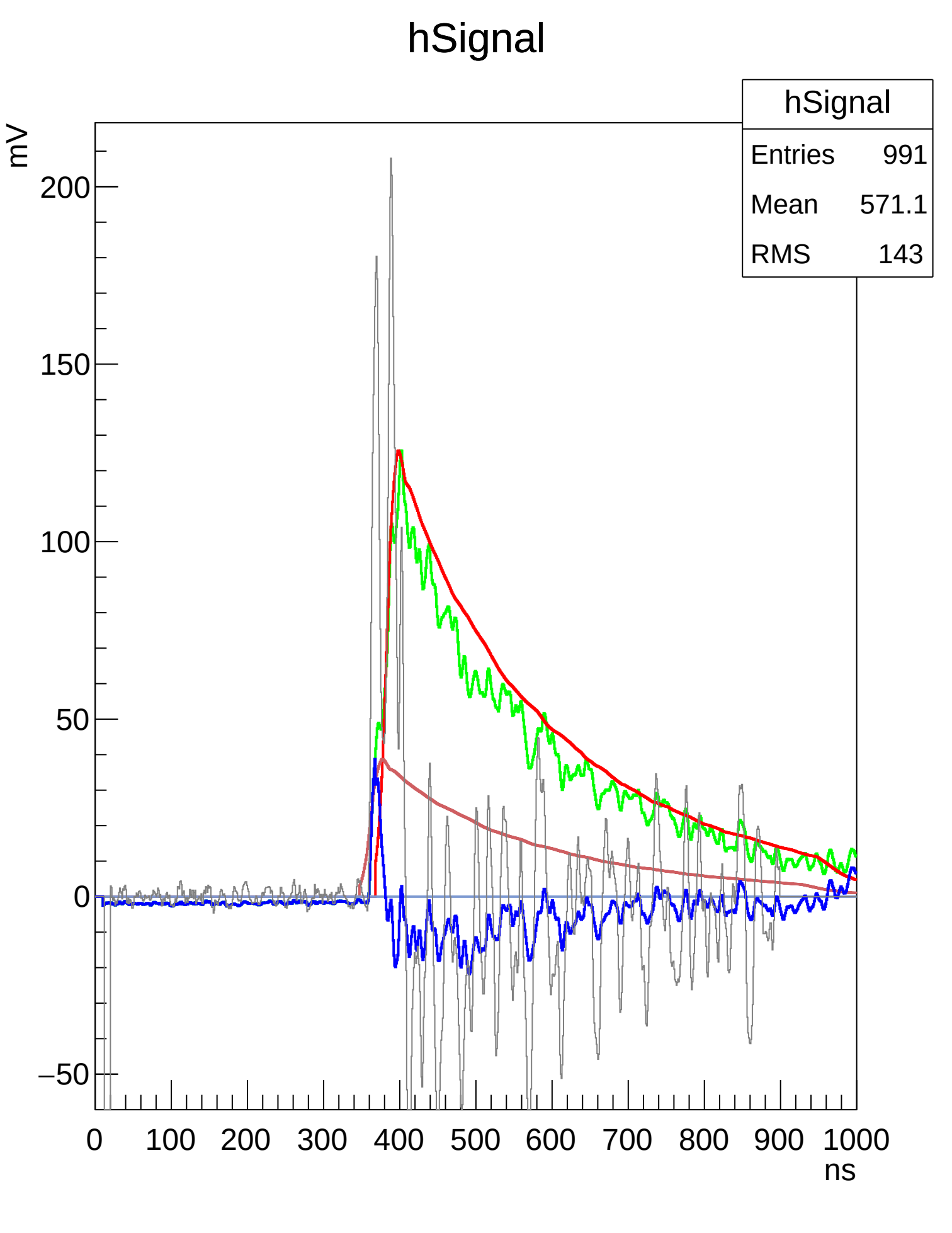

hSignal
hSignal
Entries 991
Mean 560.4
RMS 155.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

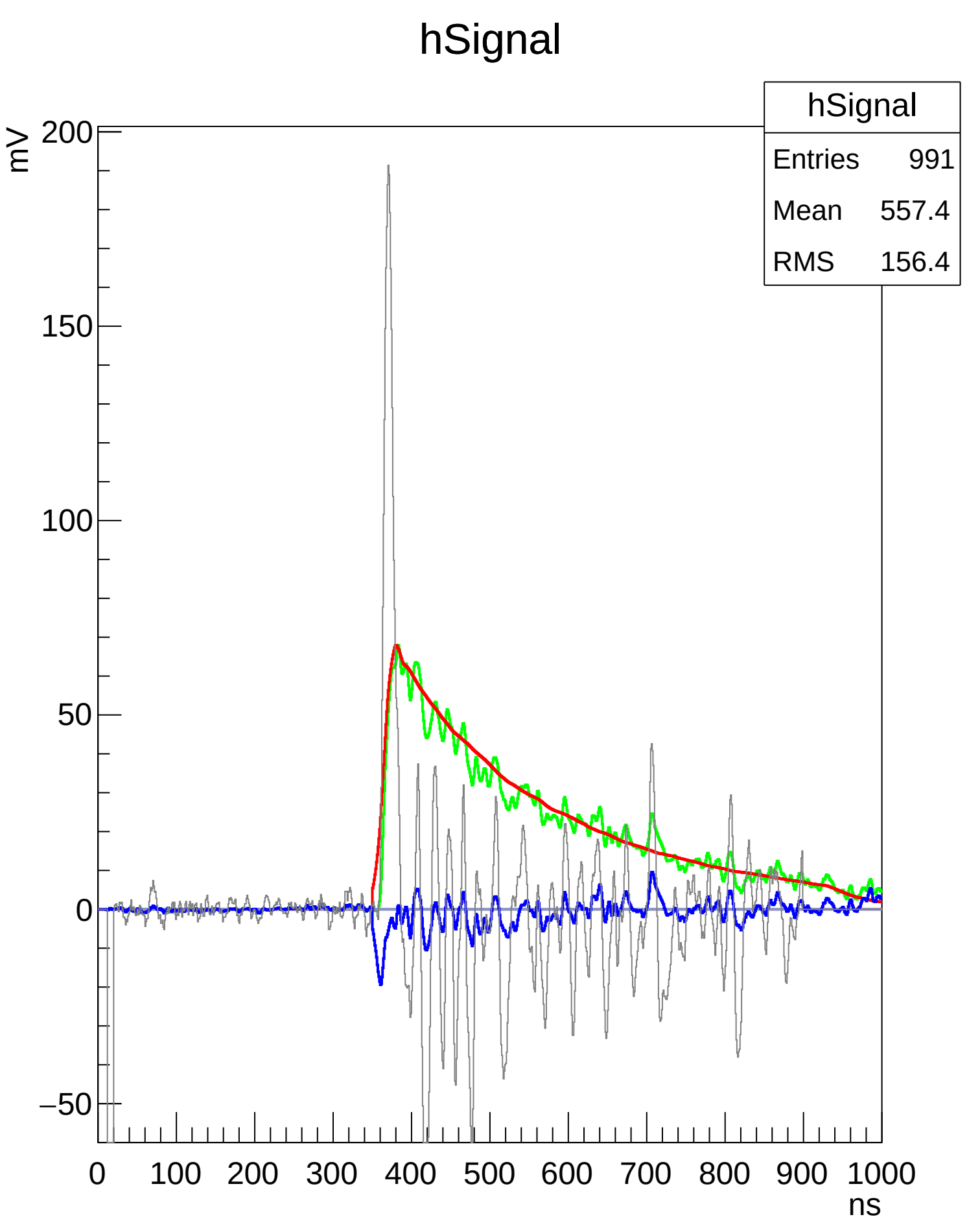

hSignal
hSignal
Entries 991
Mean 564.3
RMS 163.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

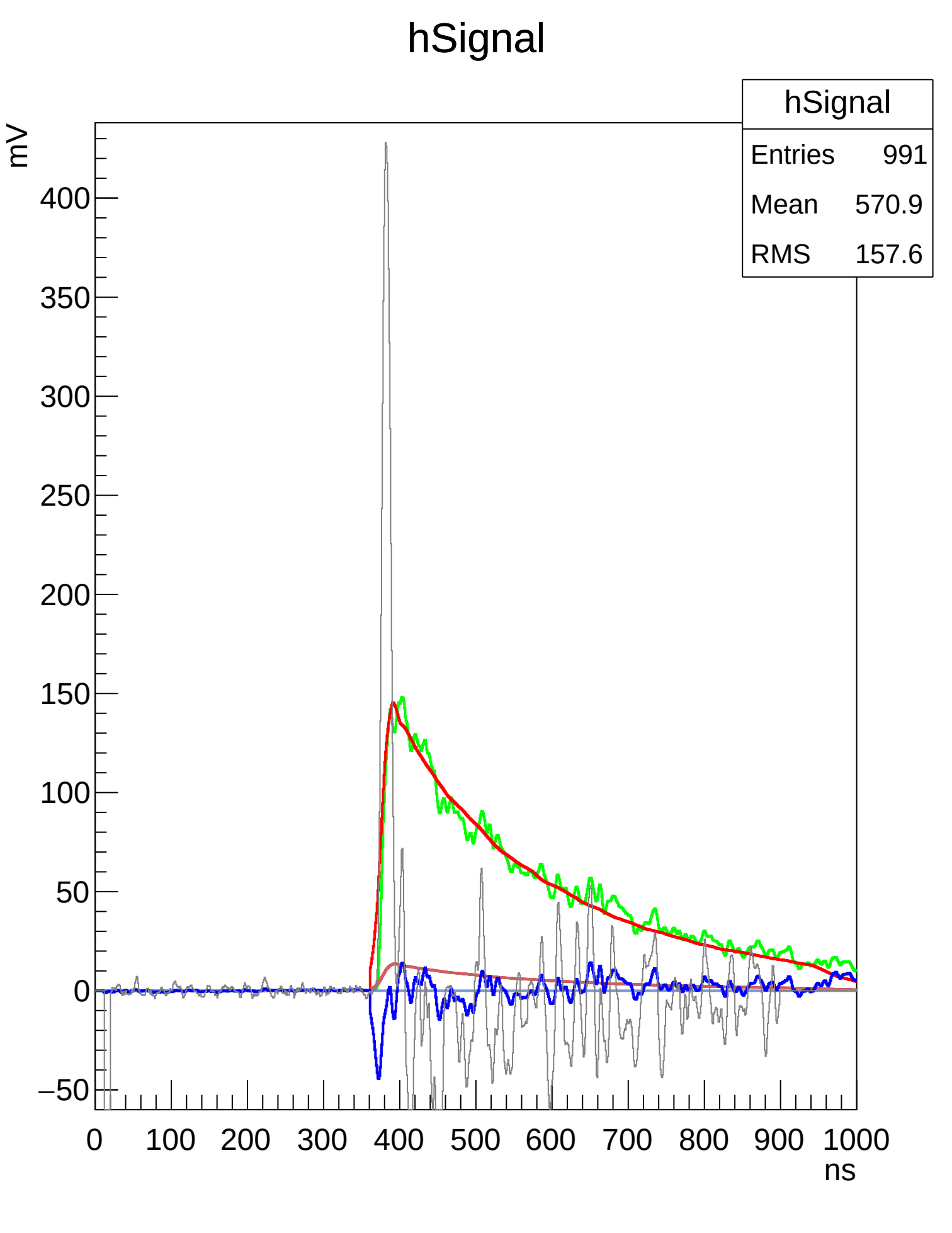

hSignal
hSignal
Entries 991
Mean 497.1
RMS 164.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

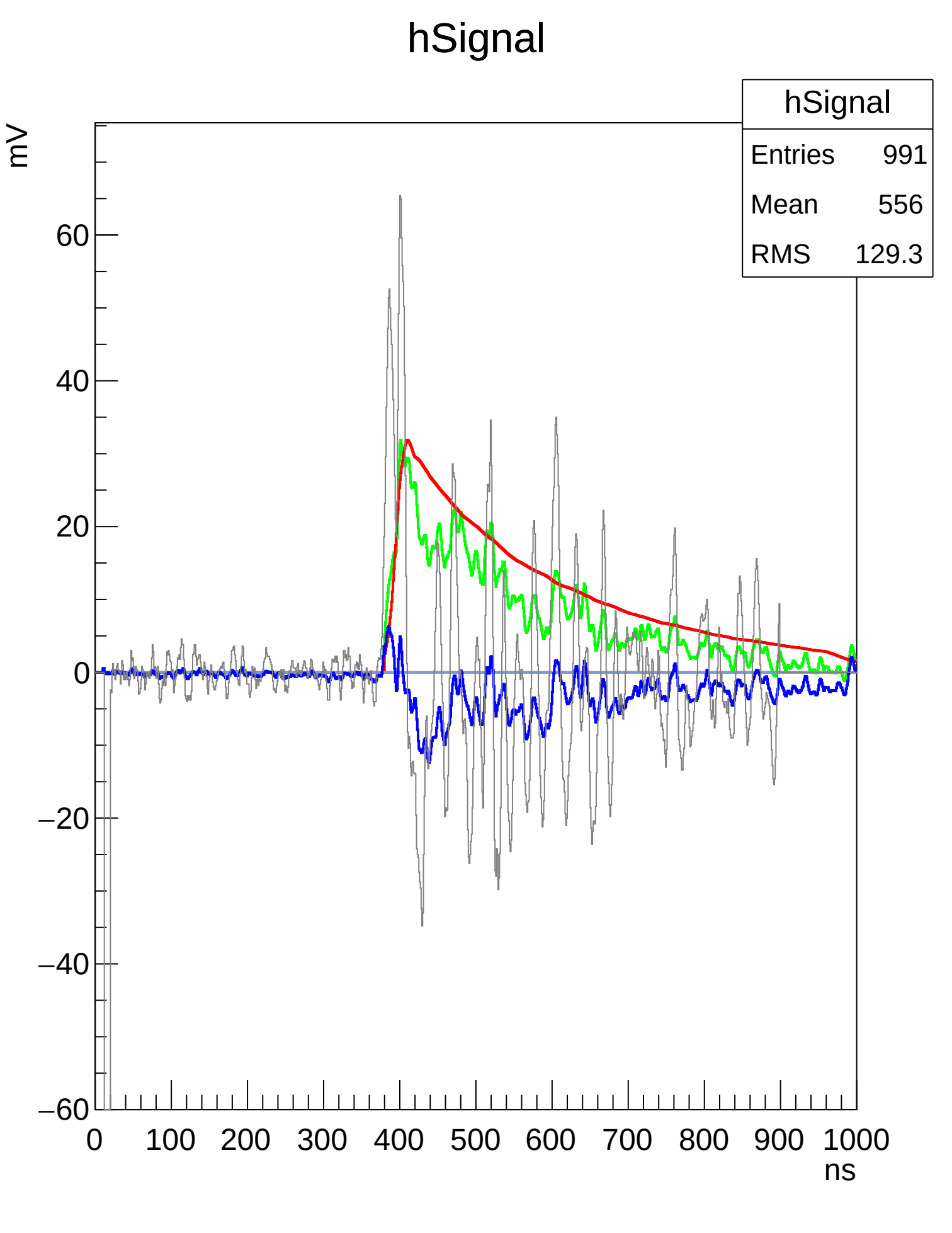

hSignal
hSignal
Entries 991
Mean 530.3
RMS 166.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

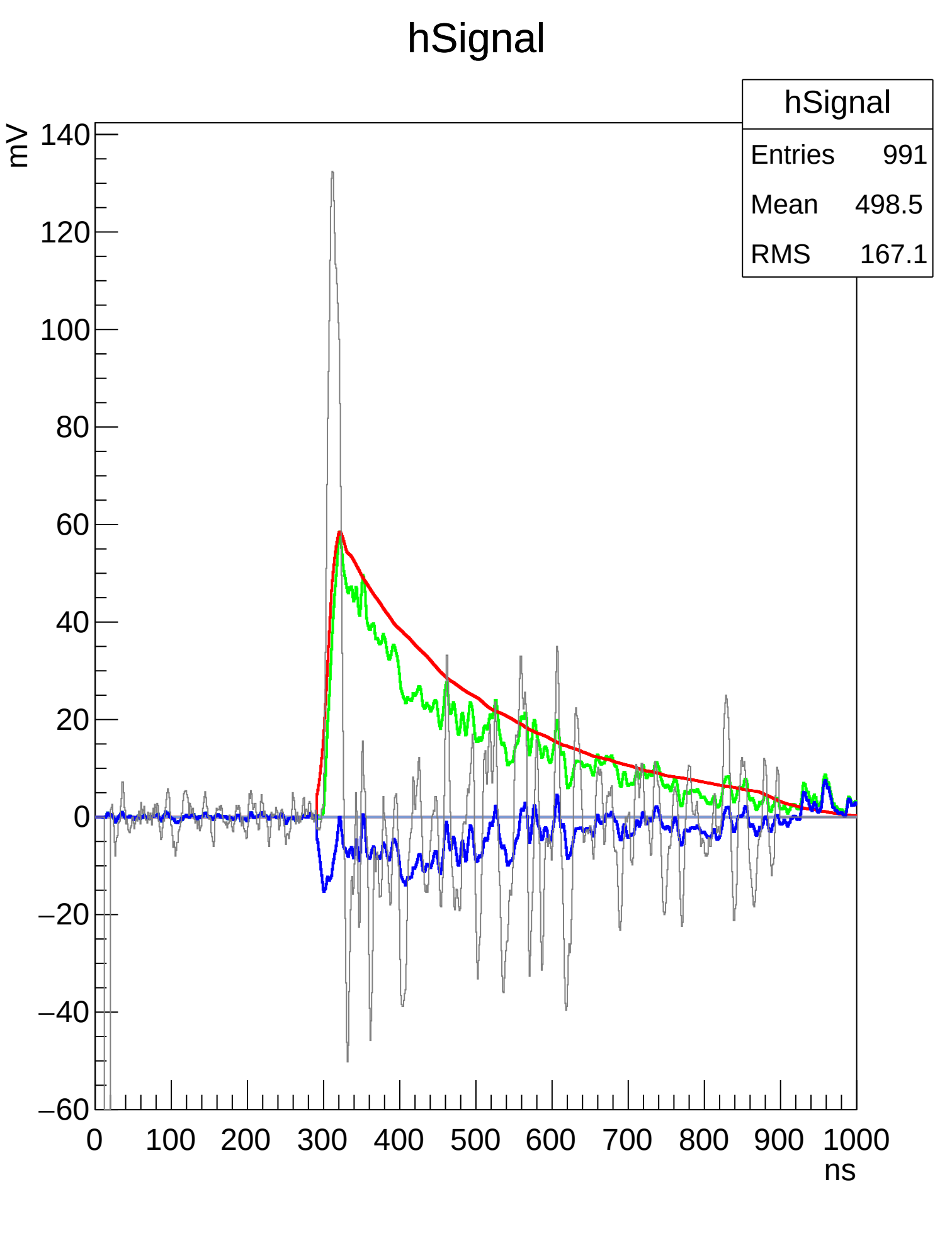

hSignal
hSignal
Entries 991
Mean 526.4
RMS 169.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

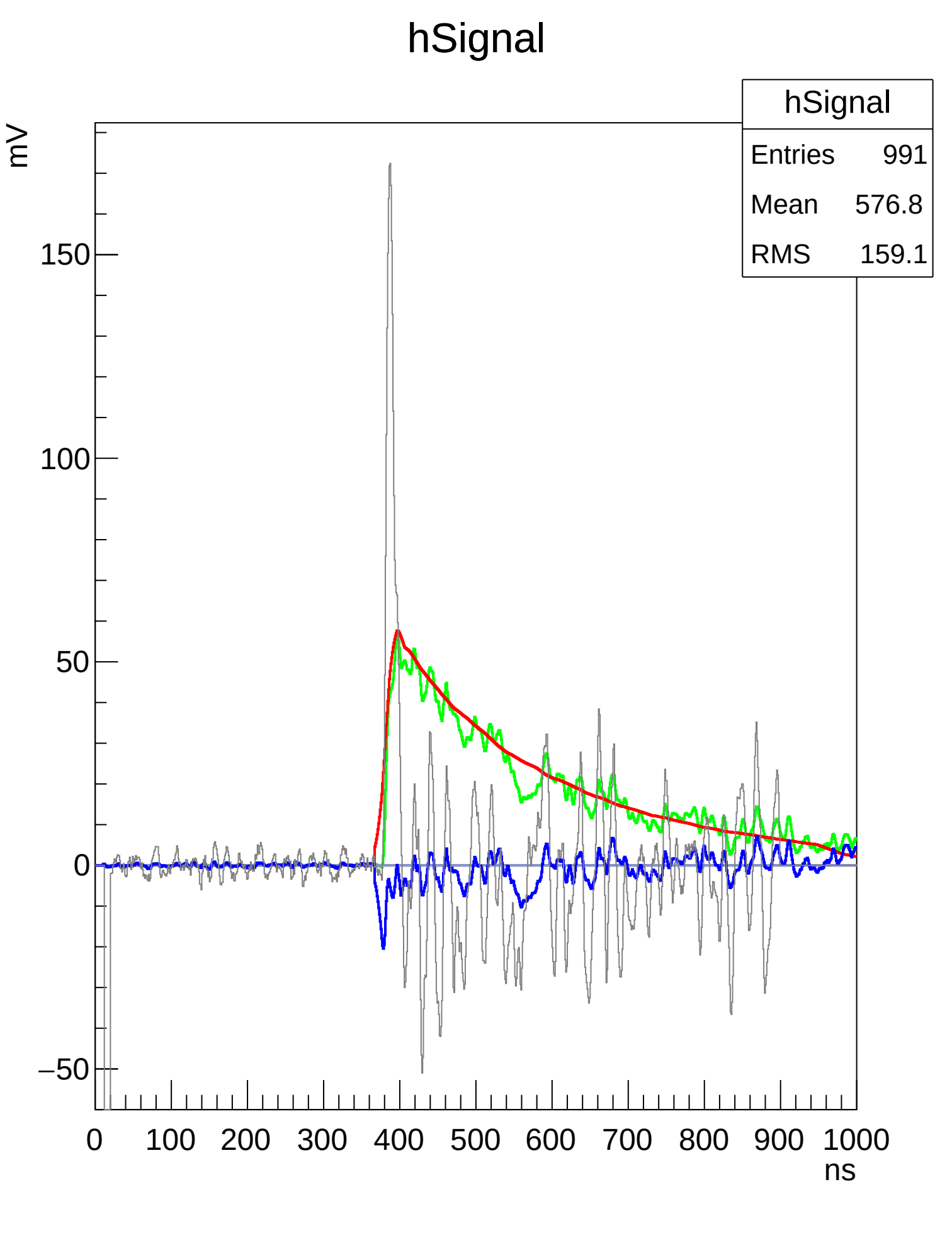

hSignal
hSignal
Entries 991
Mean 571.1
RMS 143
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

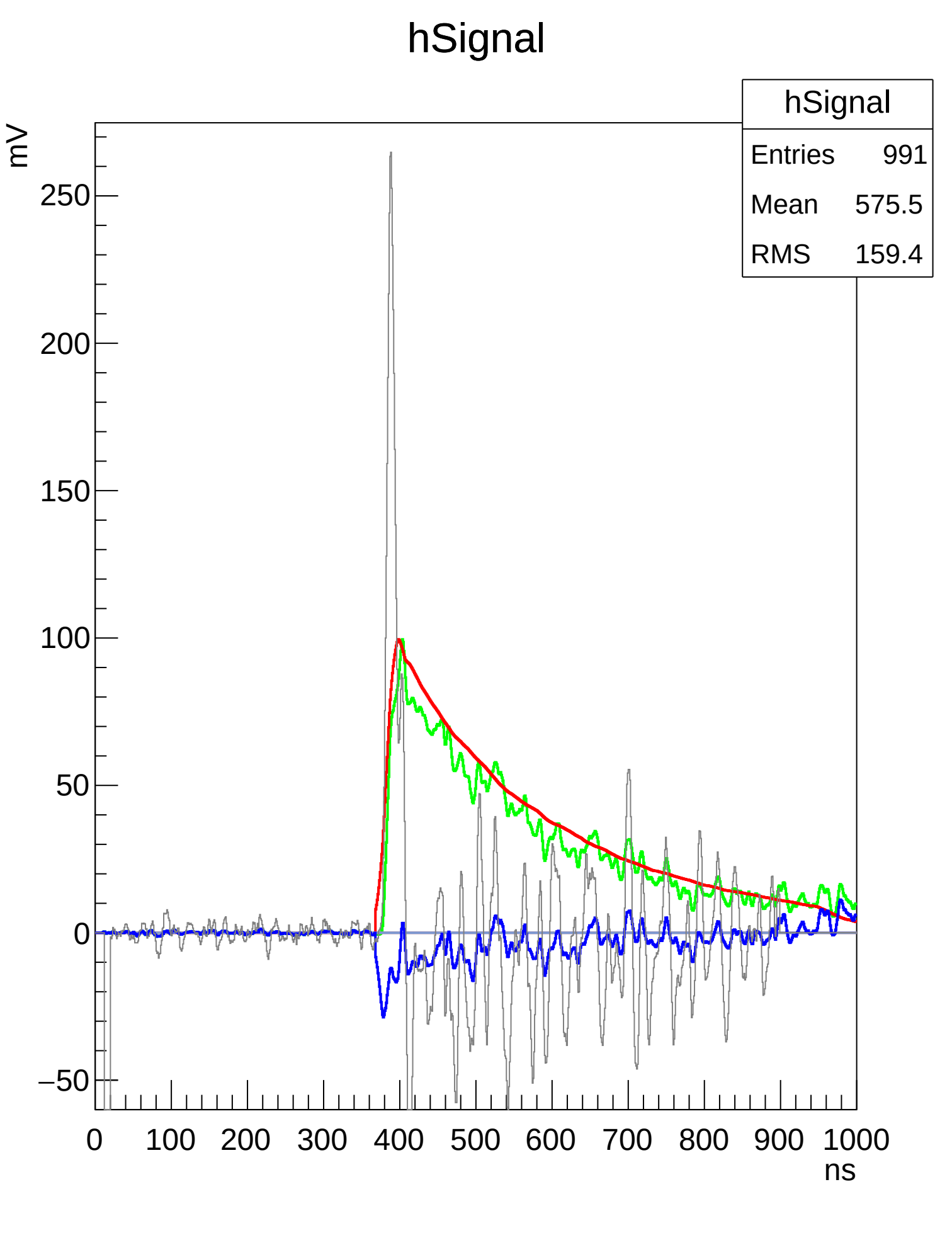

hSignal
hSignal
Entries 991
Mean 557.4
RMS 156.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

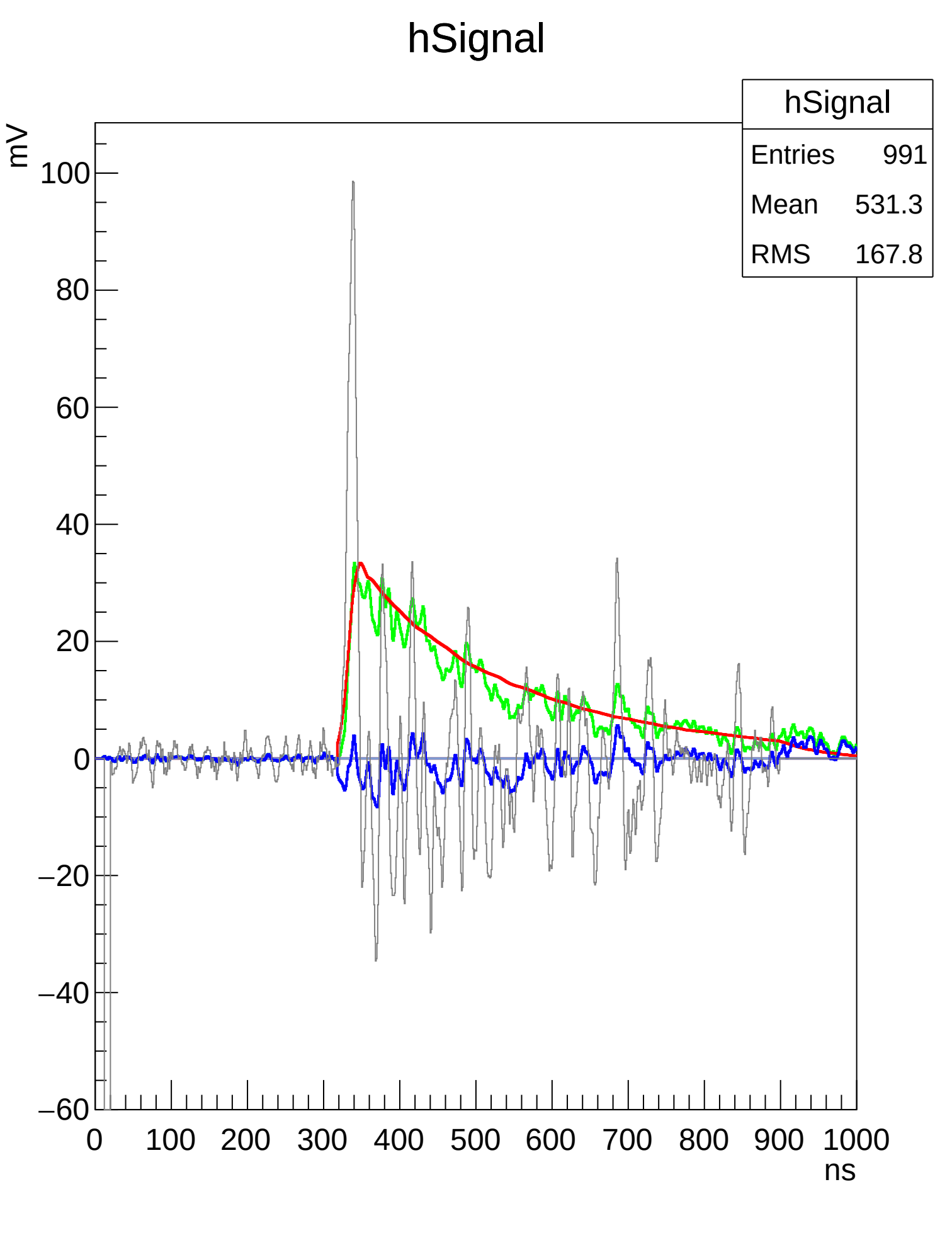

hSignal
hSignal
Entries 991
Mean 570.9
RMS 157.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

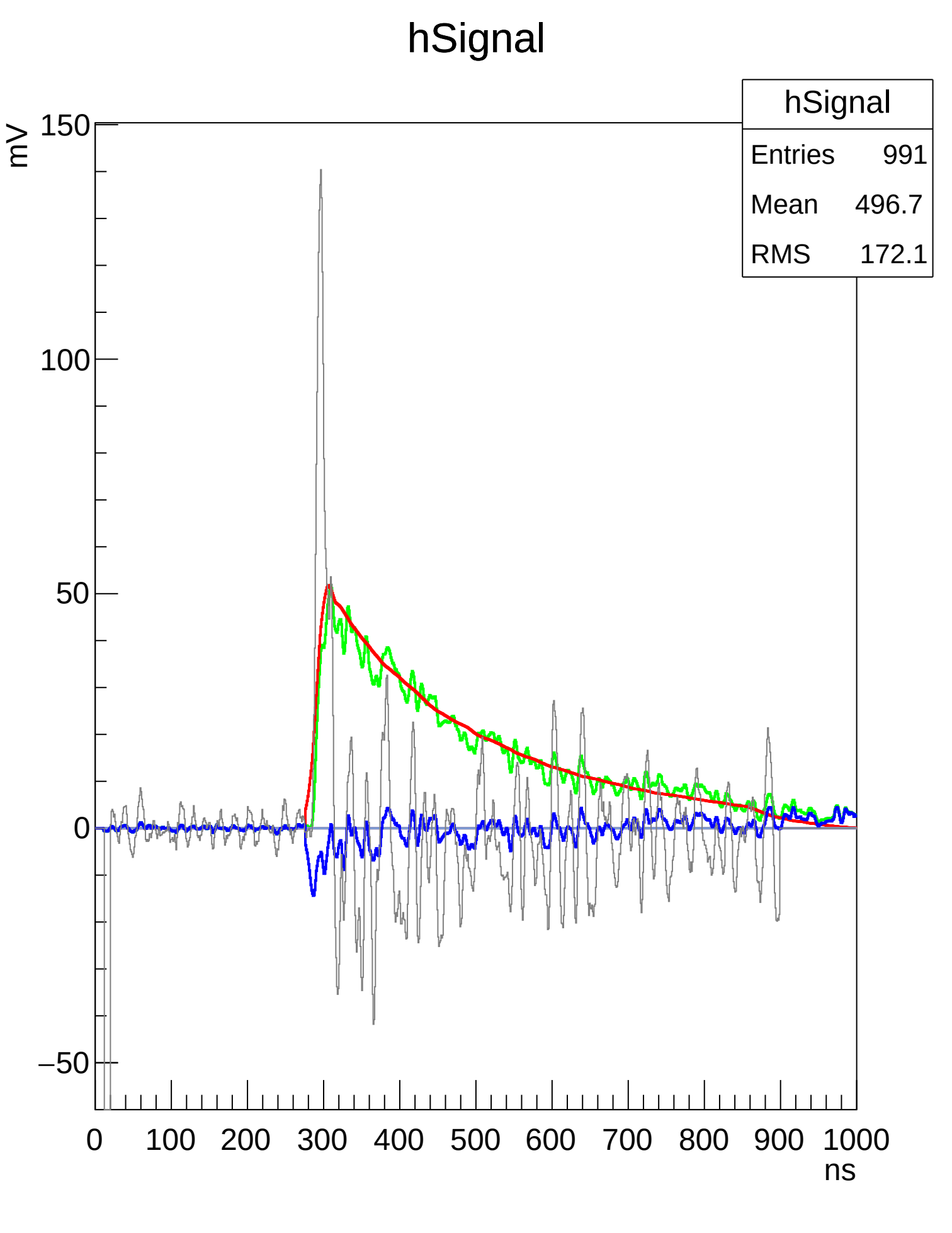

hSignal
hSignal
Entries 991
Mean 556
RMS 129.3
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

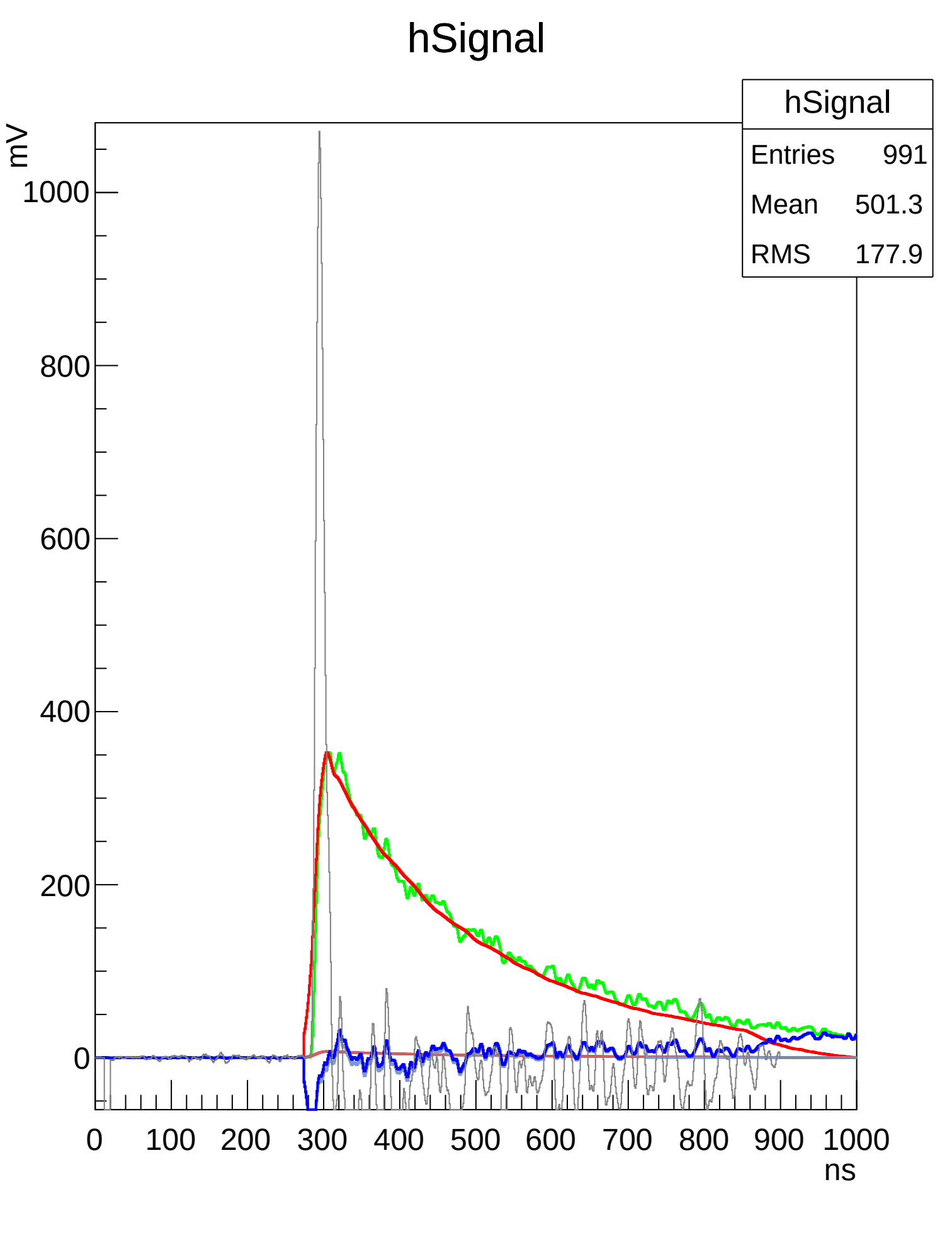

hSignal
hSignal
Entries 991
Mean 498.5
RMS 167.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

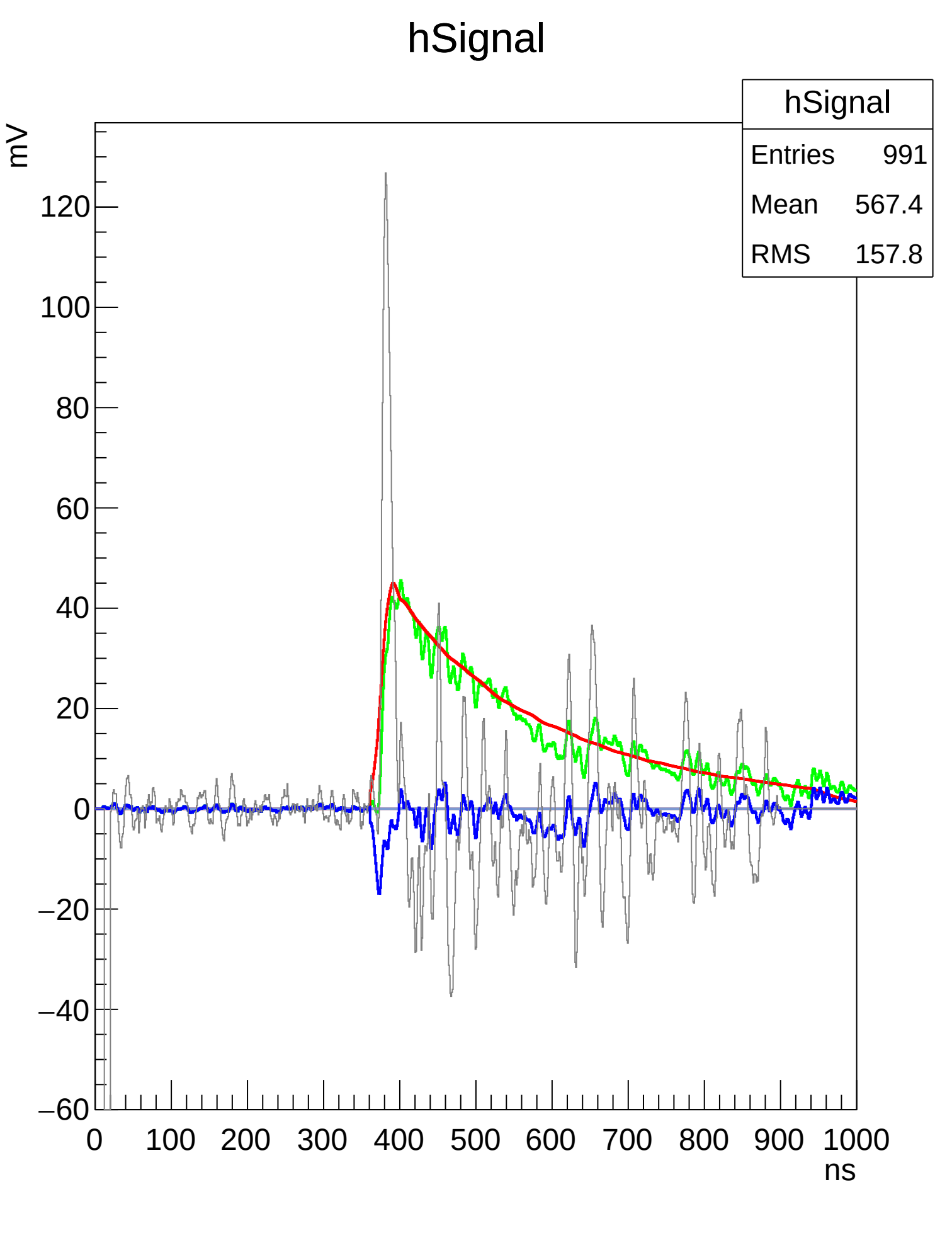

hSignal
hSignal
Entries 991
Mean 576.8
RMS 159.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

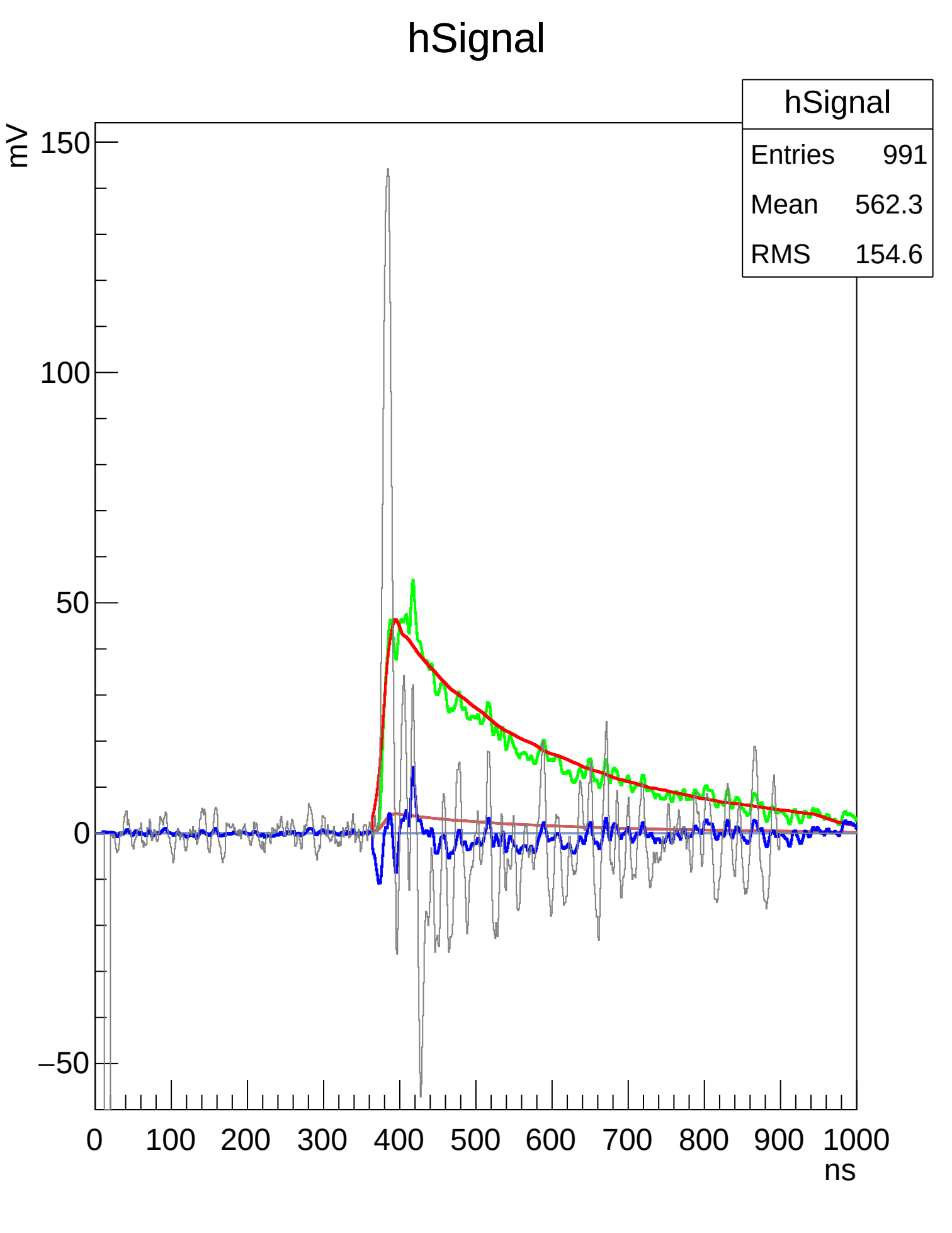

hSignal
hSignal
Entries 991
Mean 575.5
RMS 159.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

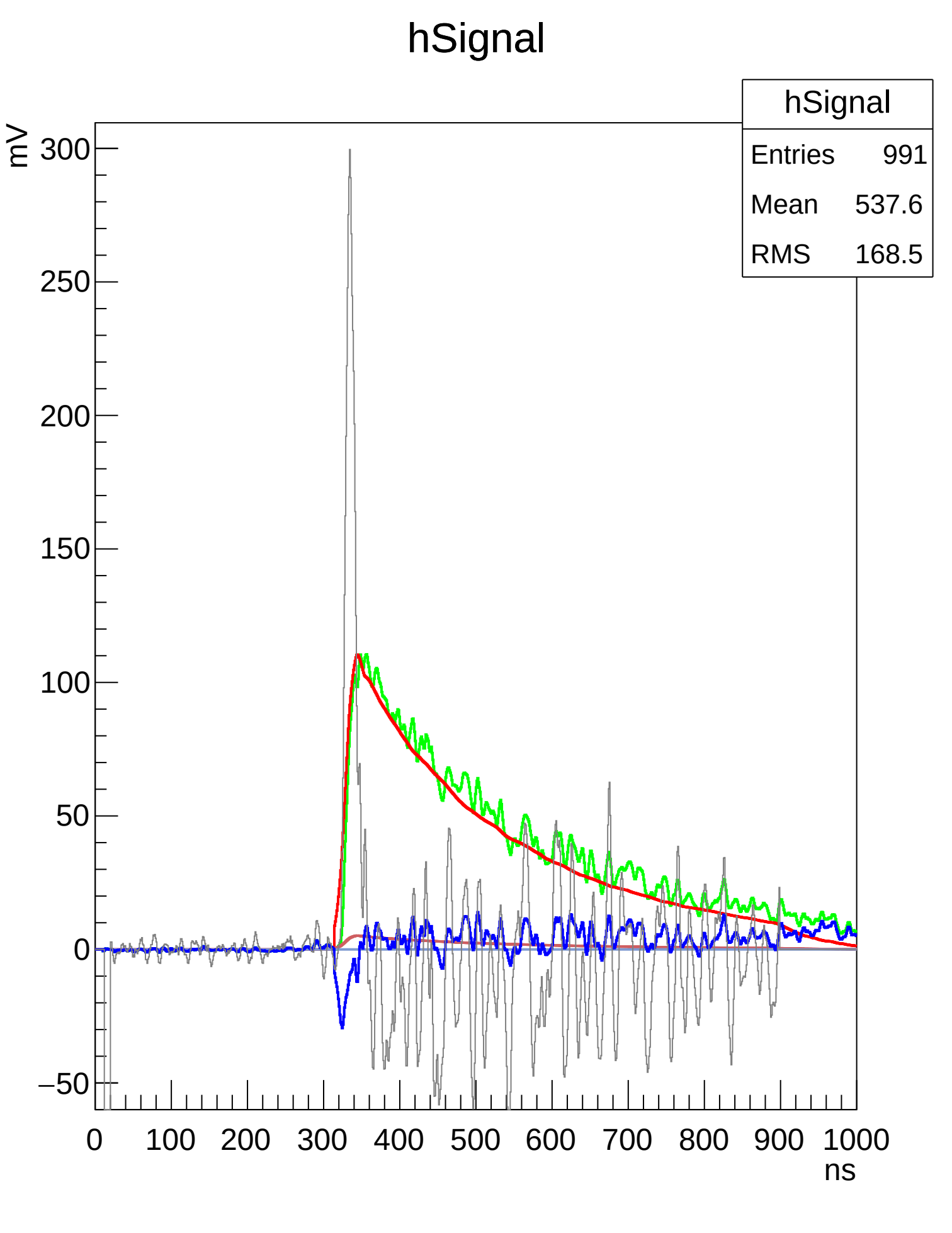

hSignal
hSignal
Entries 991
Mean 531.3
RMS 167.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

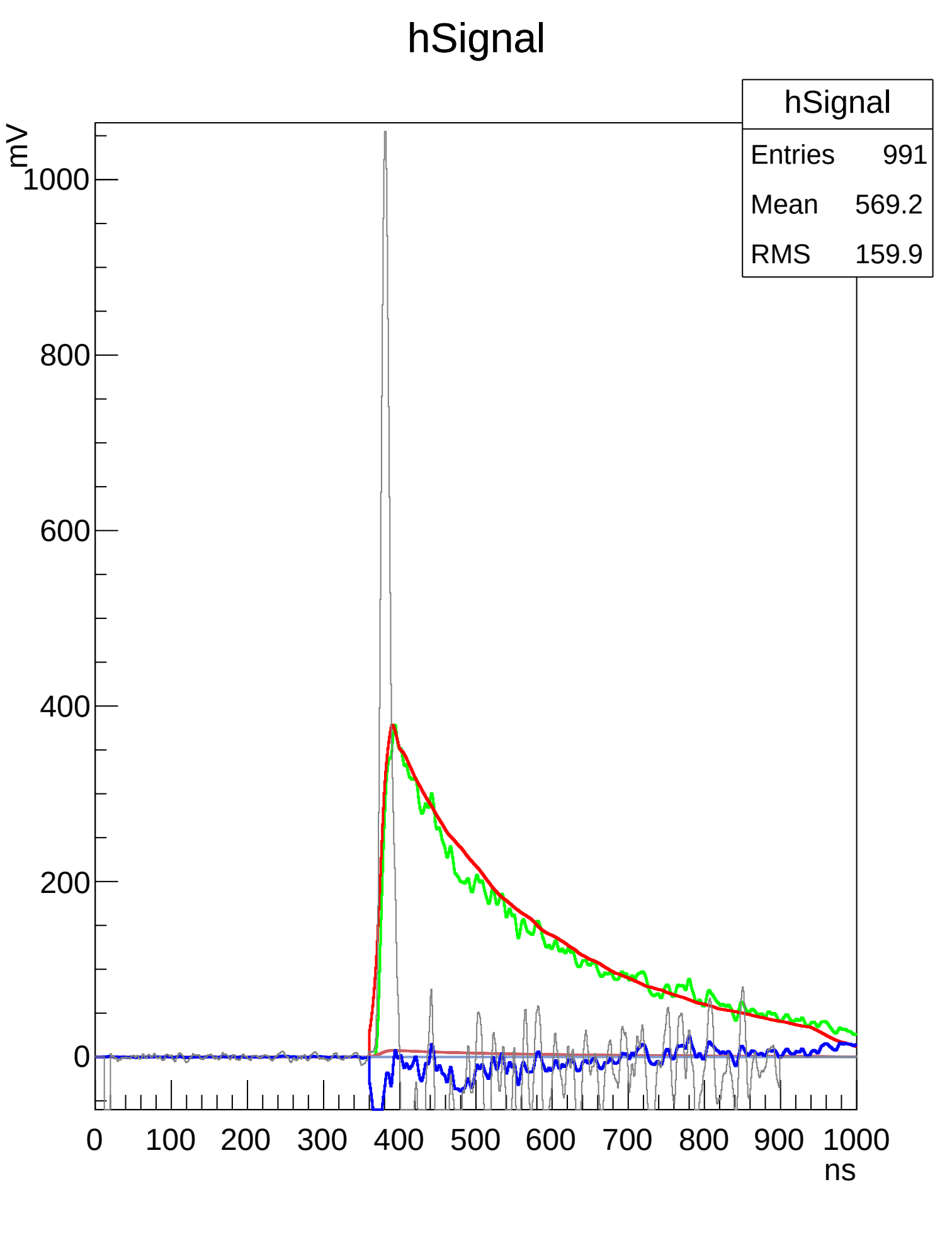

hSignal
hSignal
Entries 991
Mean 496.7
RMS 172.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

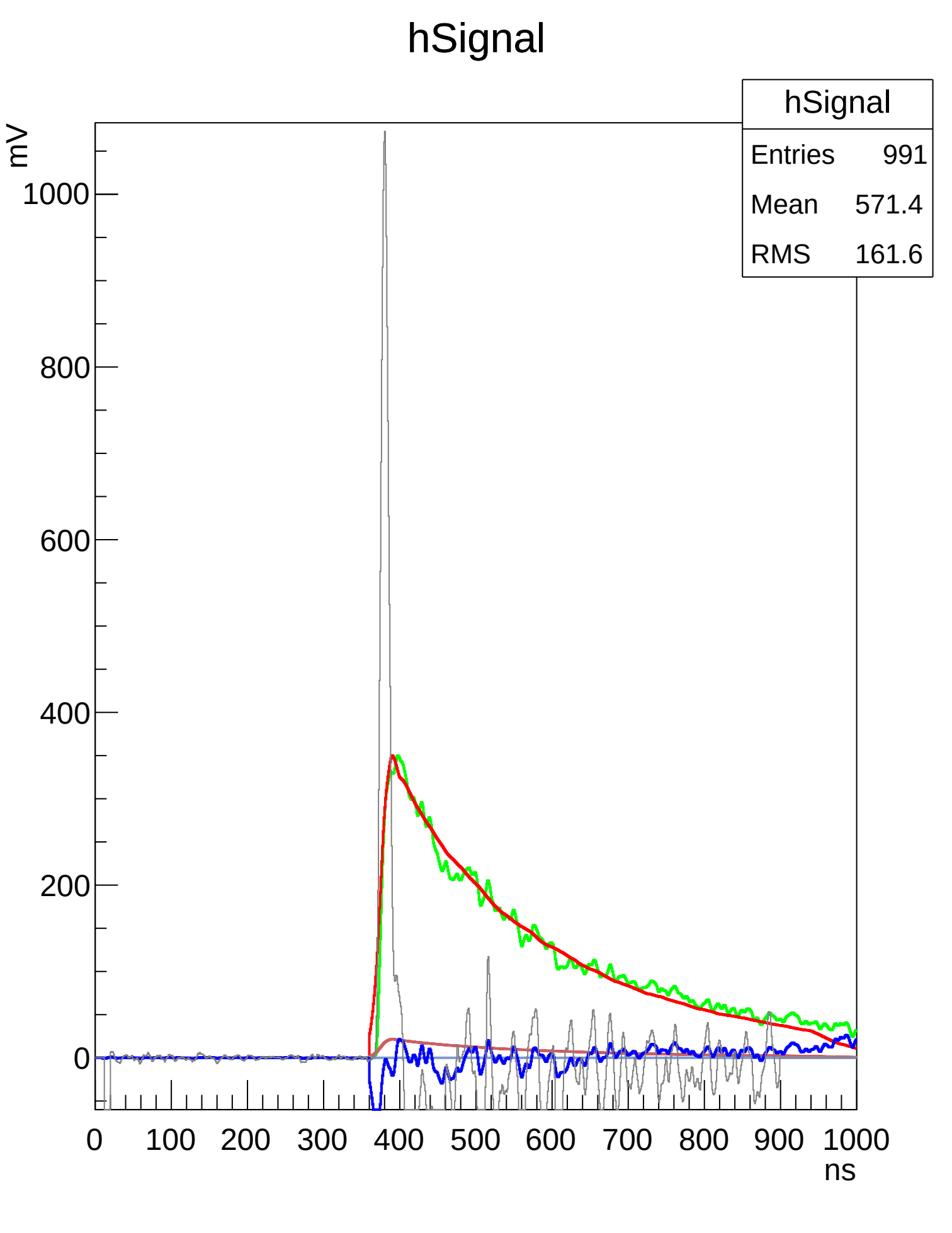

hSignal
hSignal
Entries 991
Mean 501.3
RMS 177.9
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

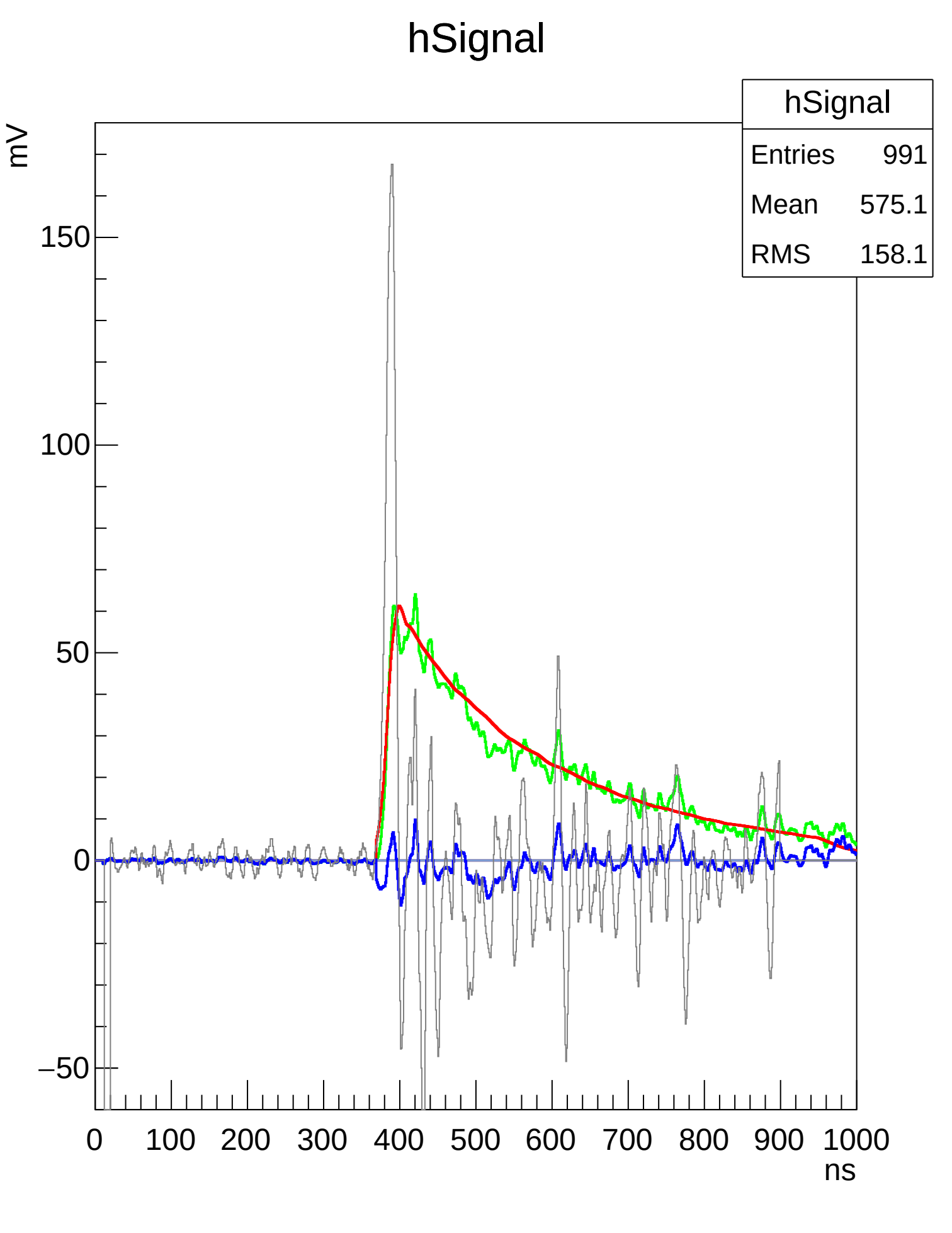

hSignal
hSignal
Entries 991
Mean 567.4
RMS 157.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

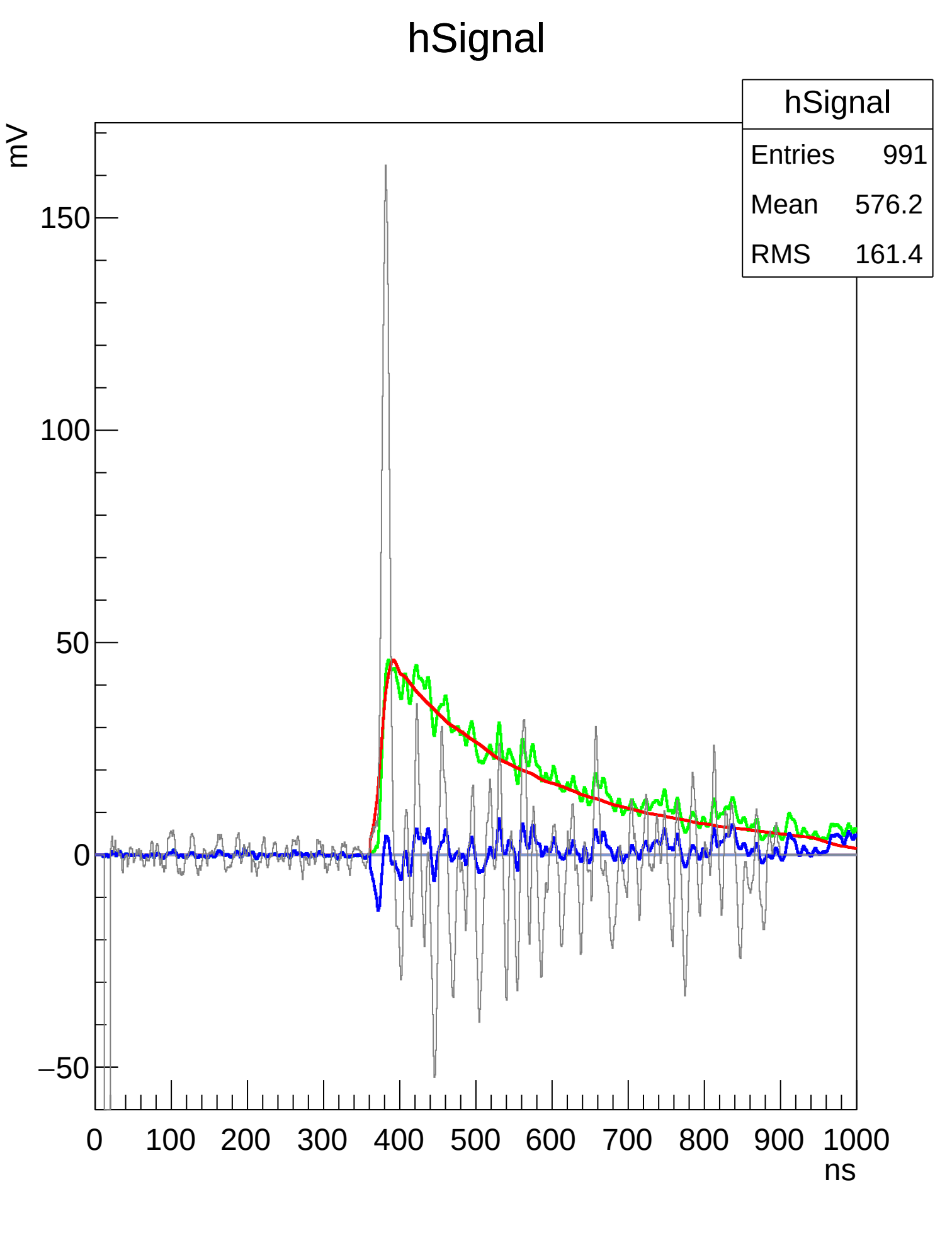

hSignal
hSignal
Entries 991
Mean 562.3
RMS 154.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

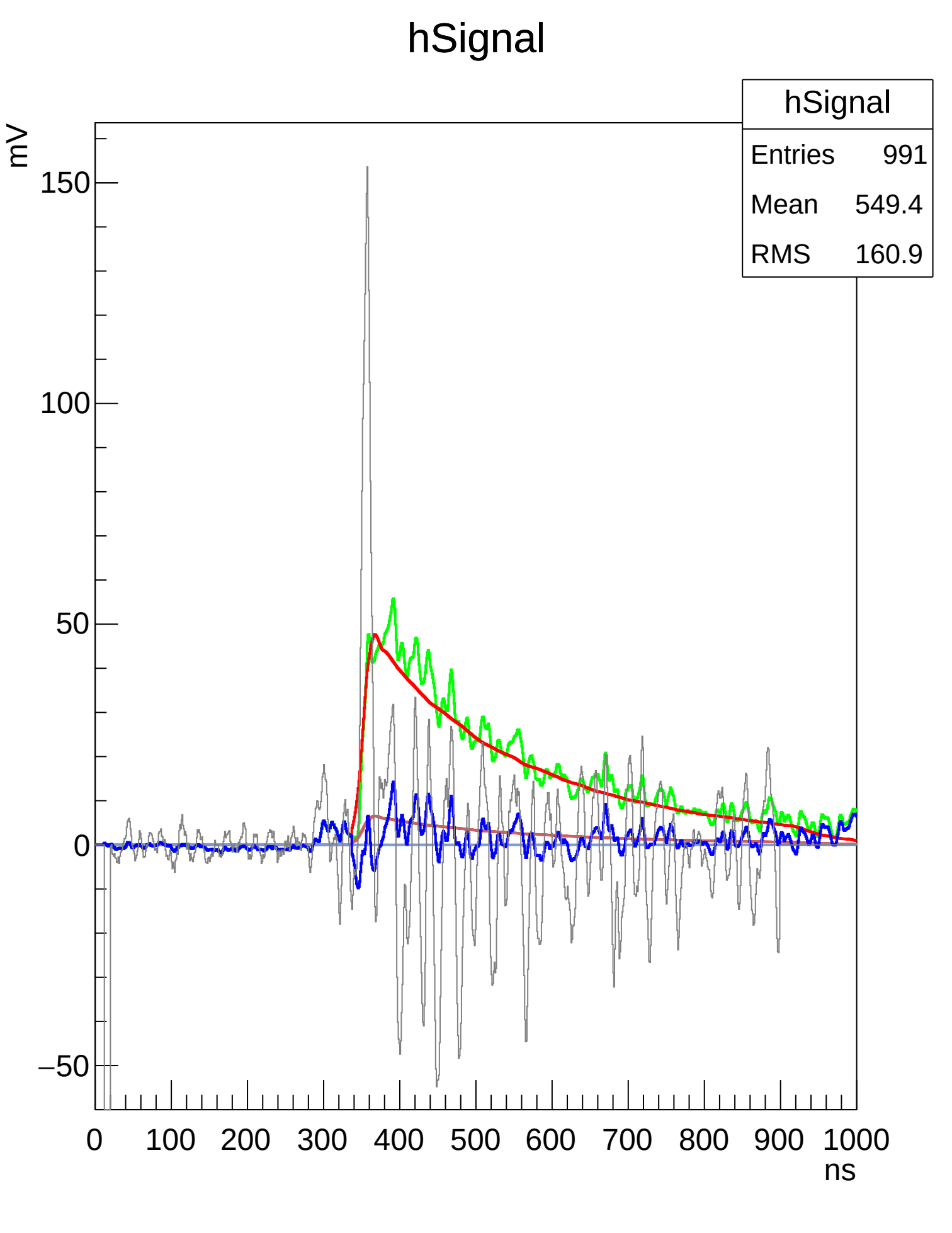

hSignal
hSignal
Entries 991
Mean 537.6
RMS 168.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

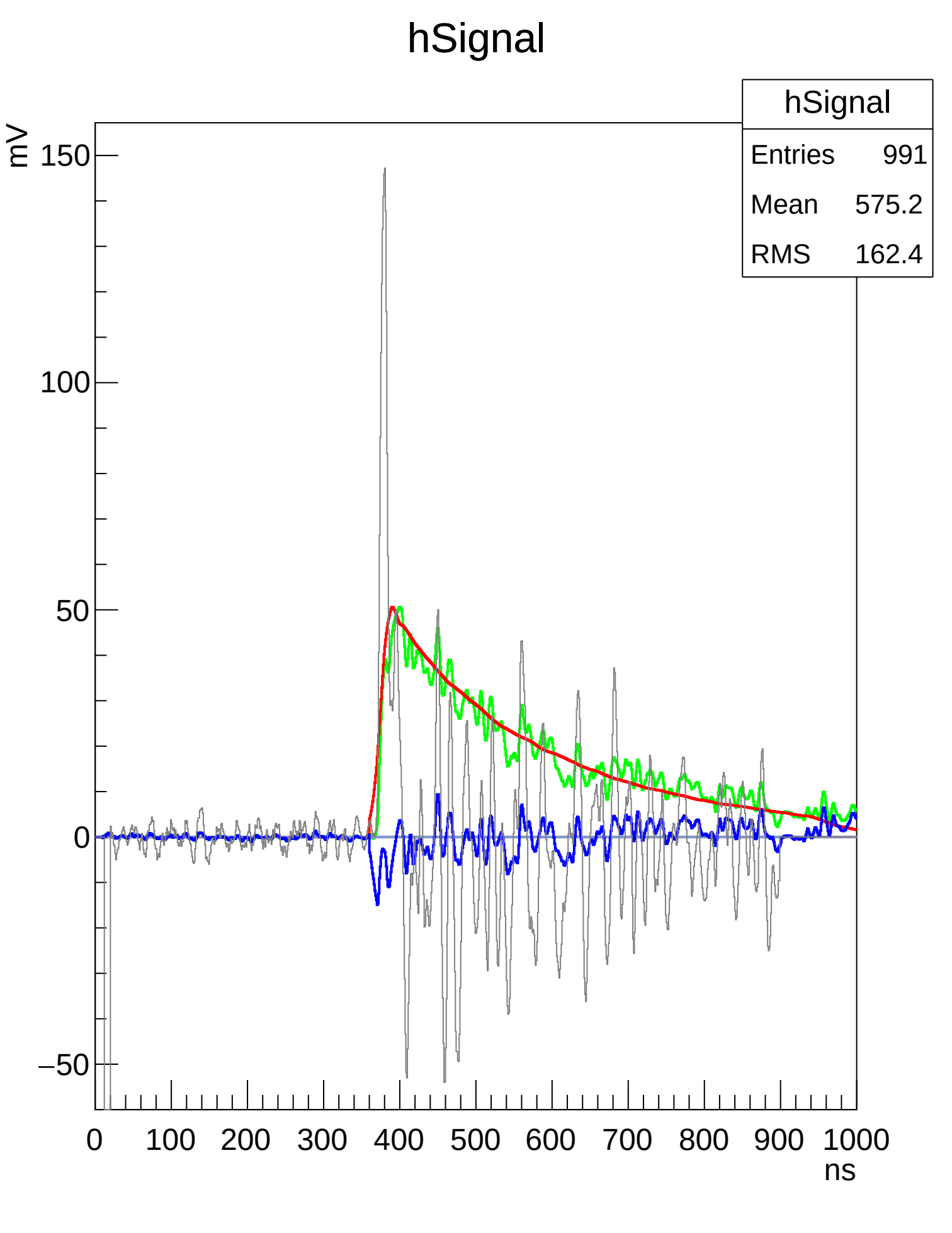

hSignal
hSignal
Entries 991
Mean 569.2
RMS 159.9
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

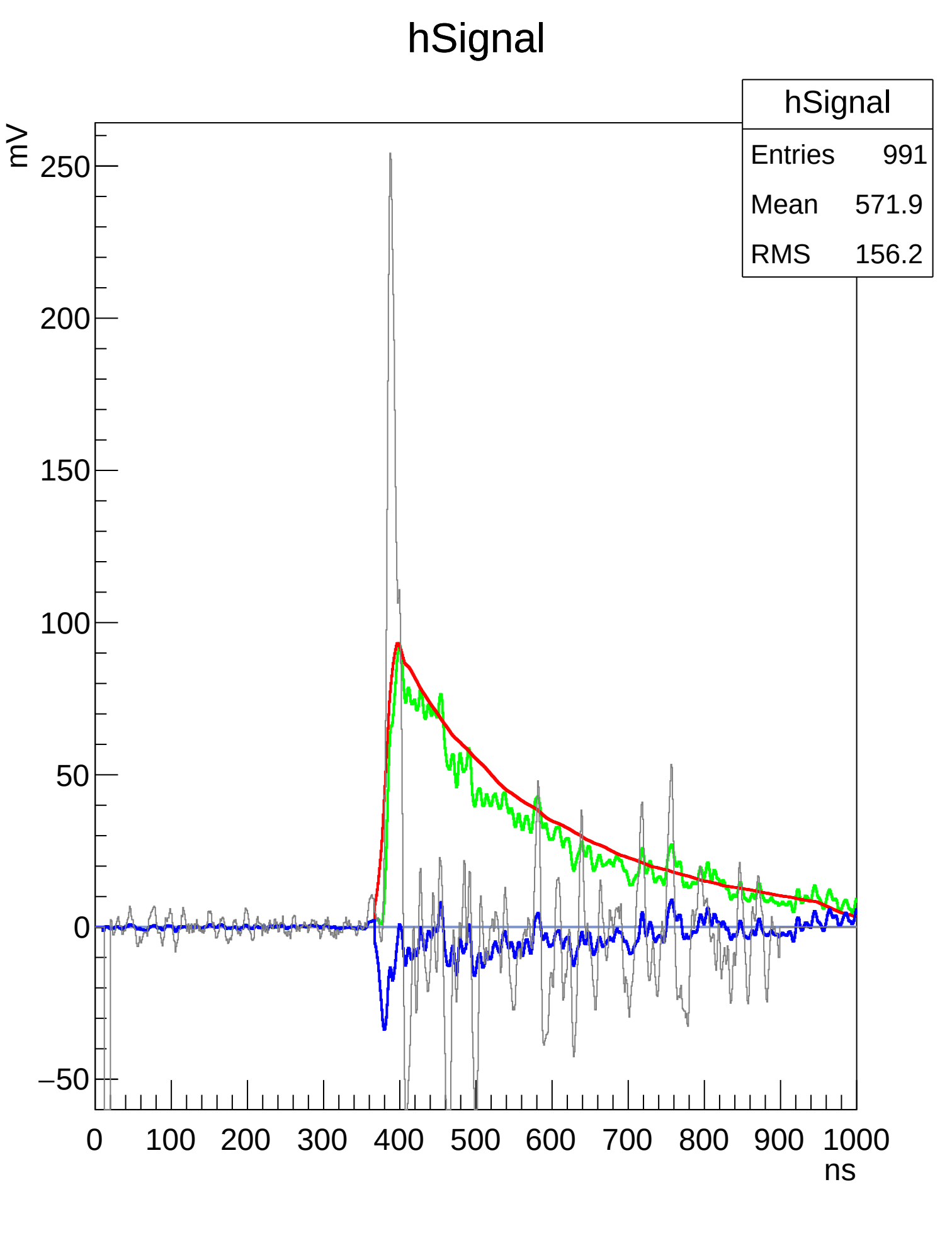

hSignal
hSignal
Entries 991
Mean 571.4
RMS 161.6
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

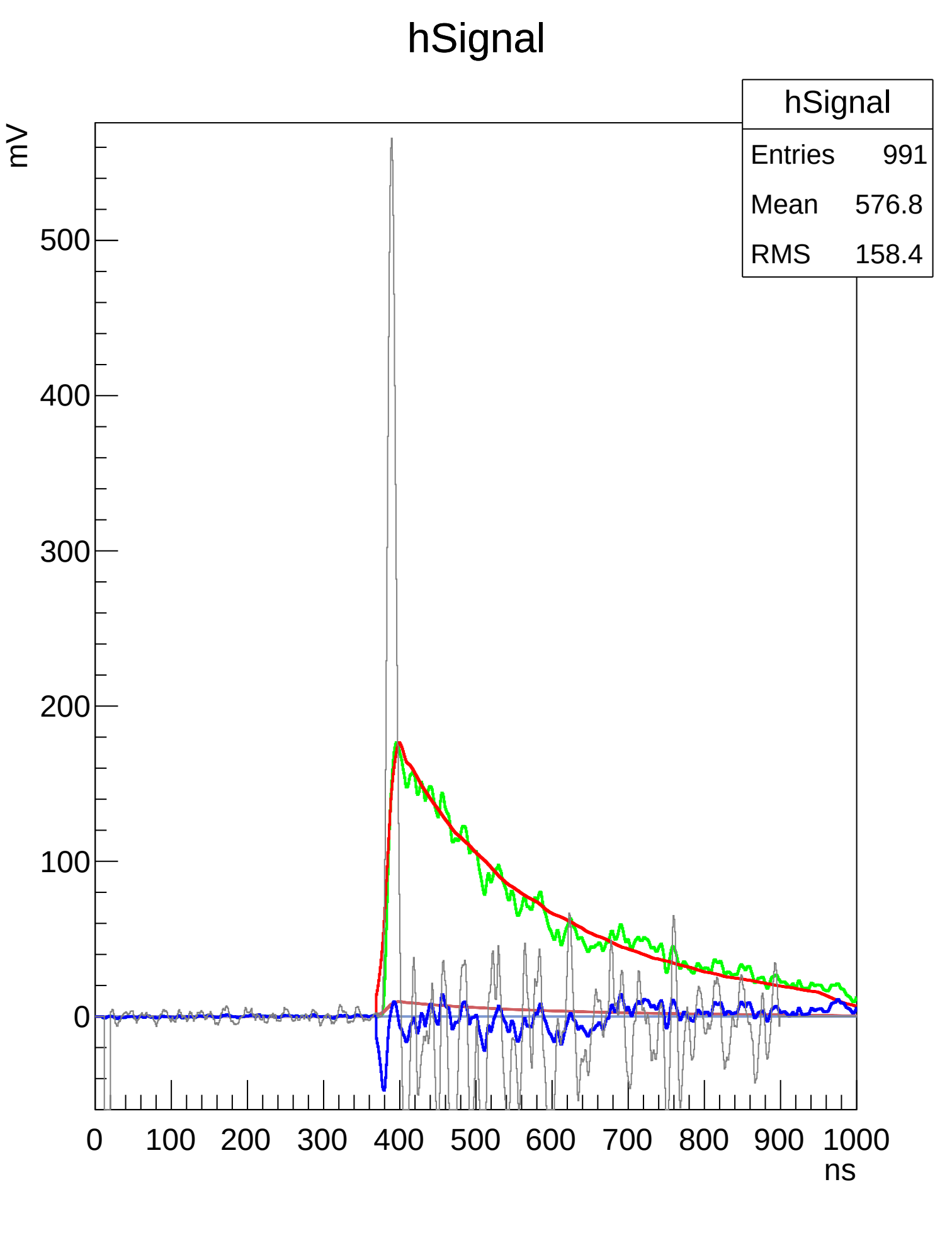

hSignal
hSignal
Entries 991
Mean 575.1
RMS 158.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

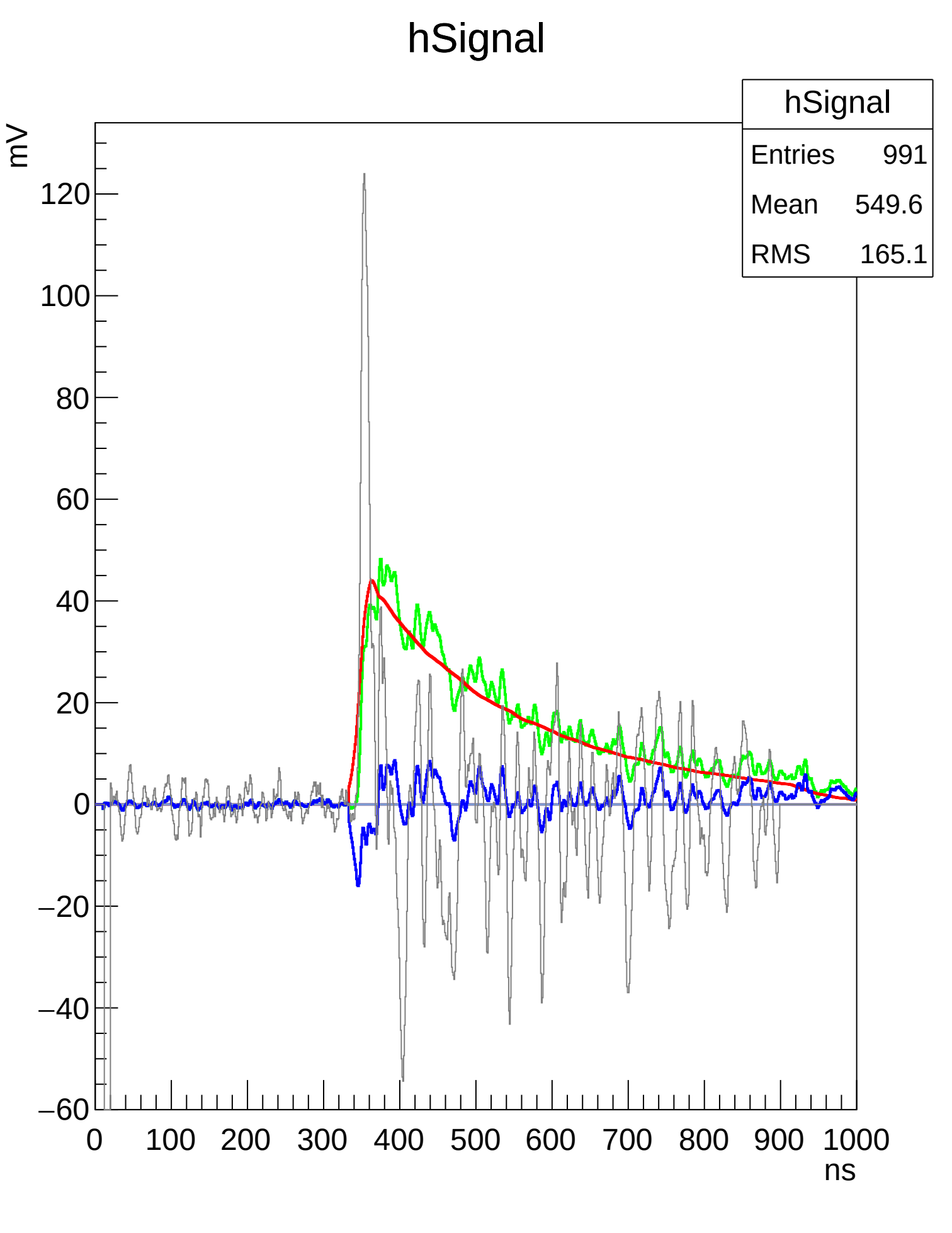

hSignal
hSignal
Entries 991
Mean 576.2
RMS 161.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

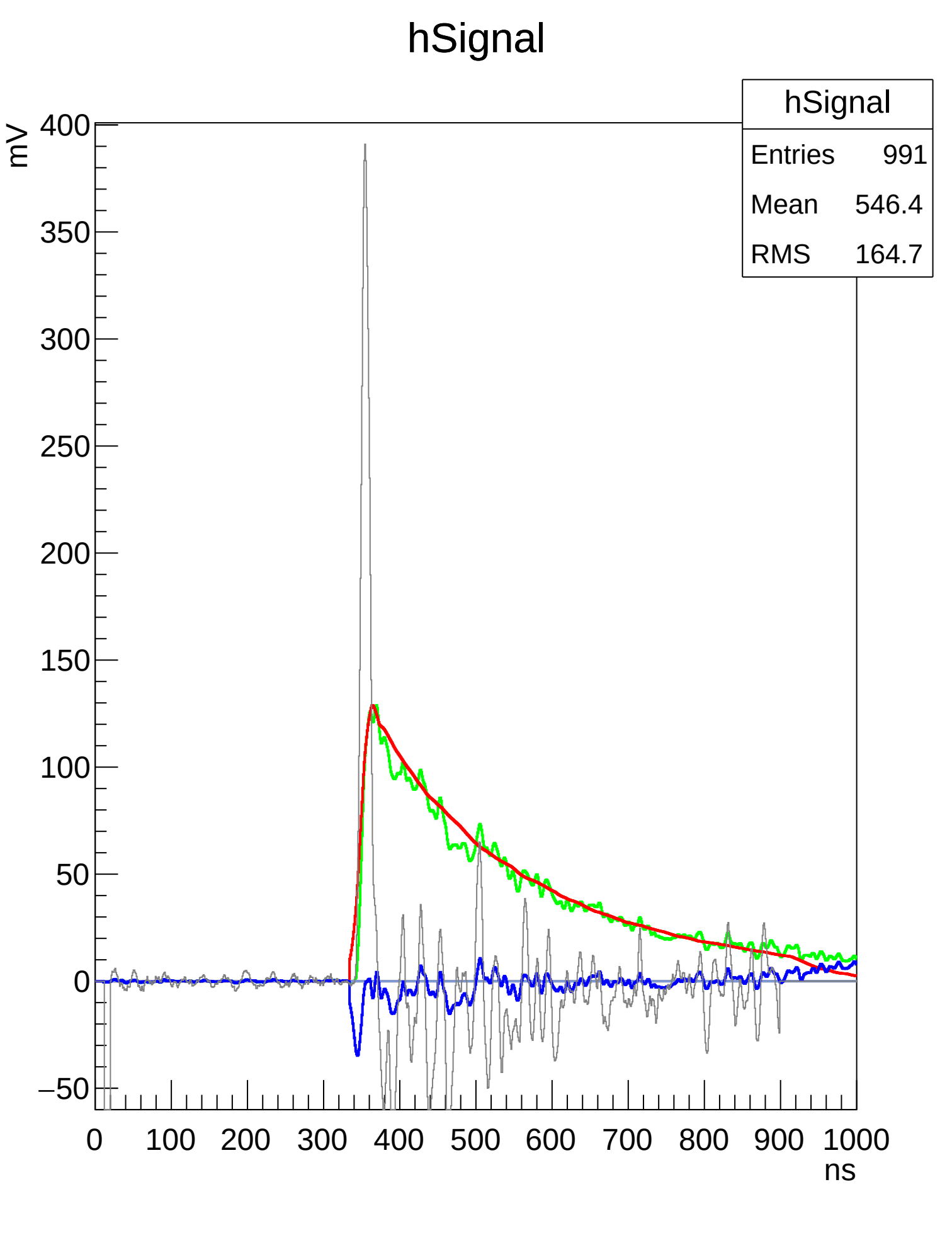

hSignal
hSignal
Entries 991
Mean 549.4
RMS 160.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

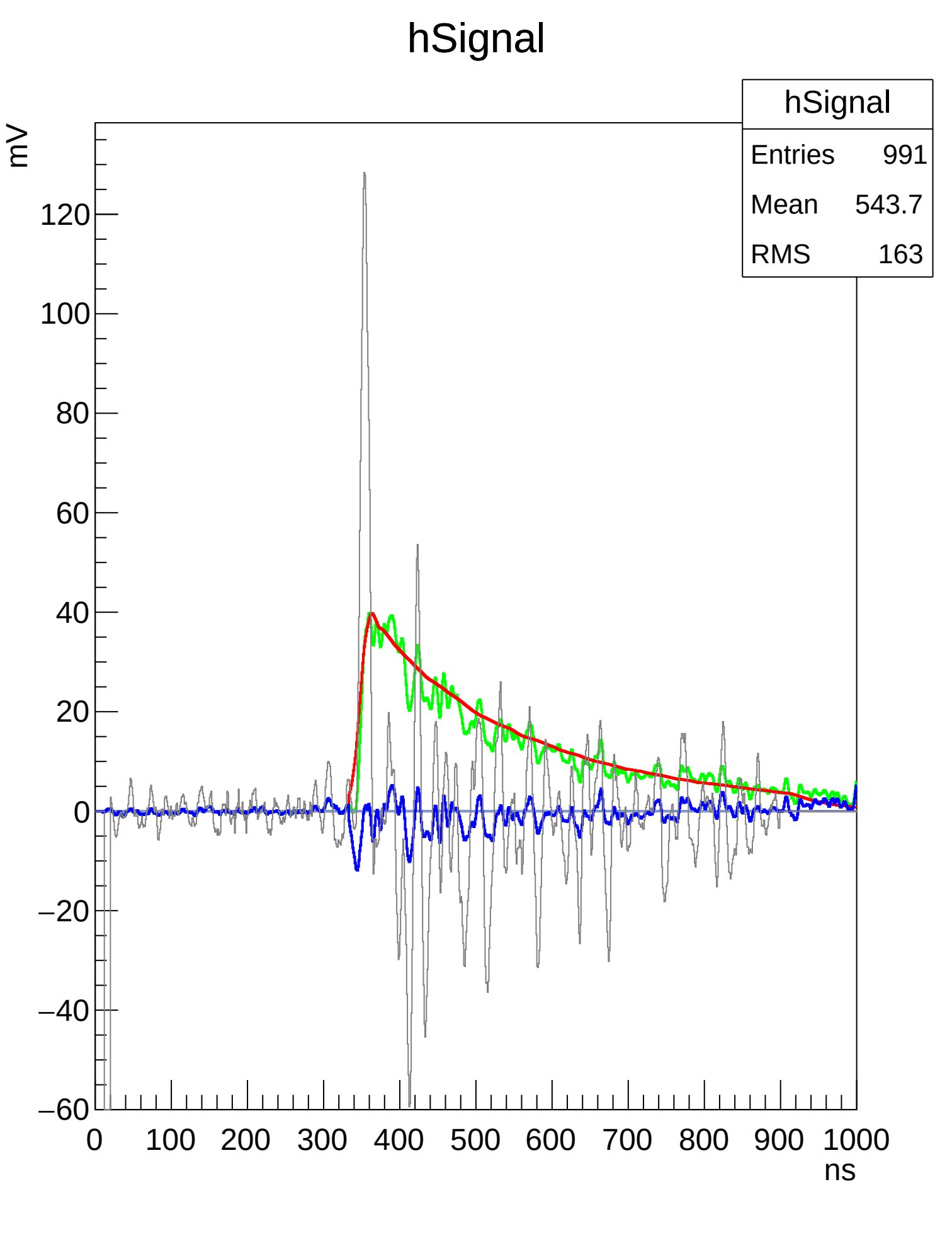

hSignal
hSignal
Entries 991
Mean 575.2
RMS 162.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

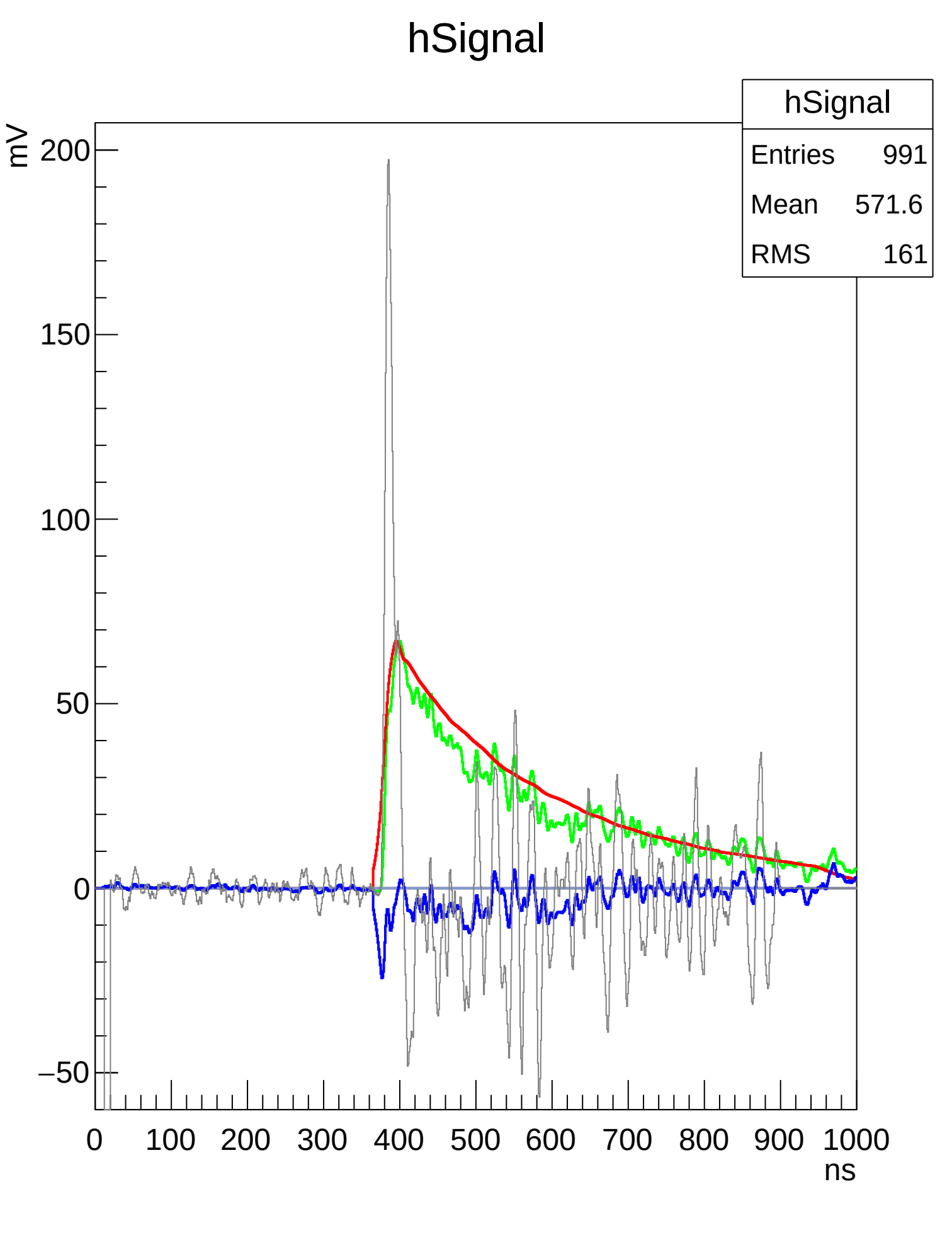

hSignal
hSignal
Entries 991
Mean 571.9
RMS 156.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

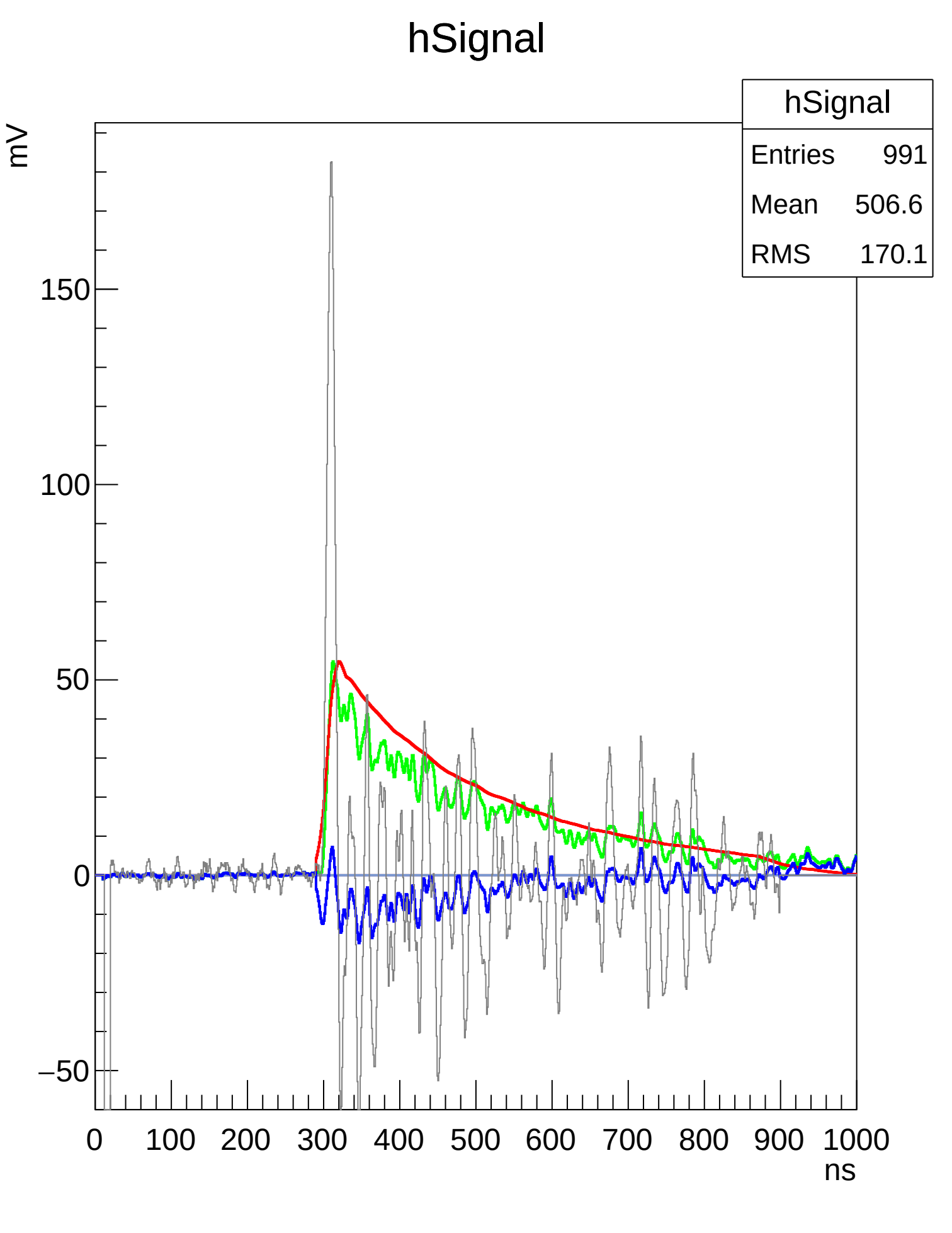

hSignal
hSignal
Entries 991
Mean 576.8
RMS 158.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

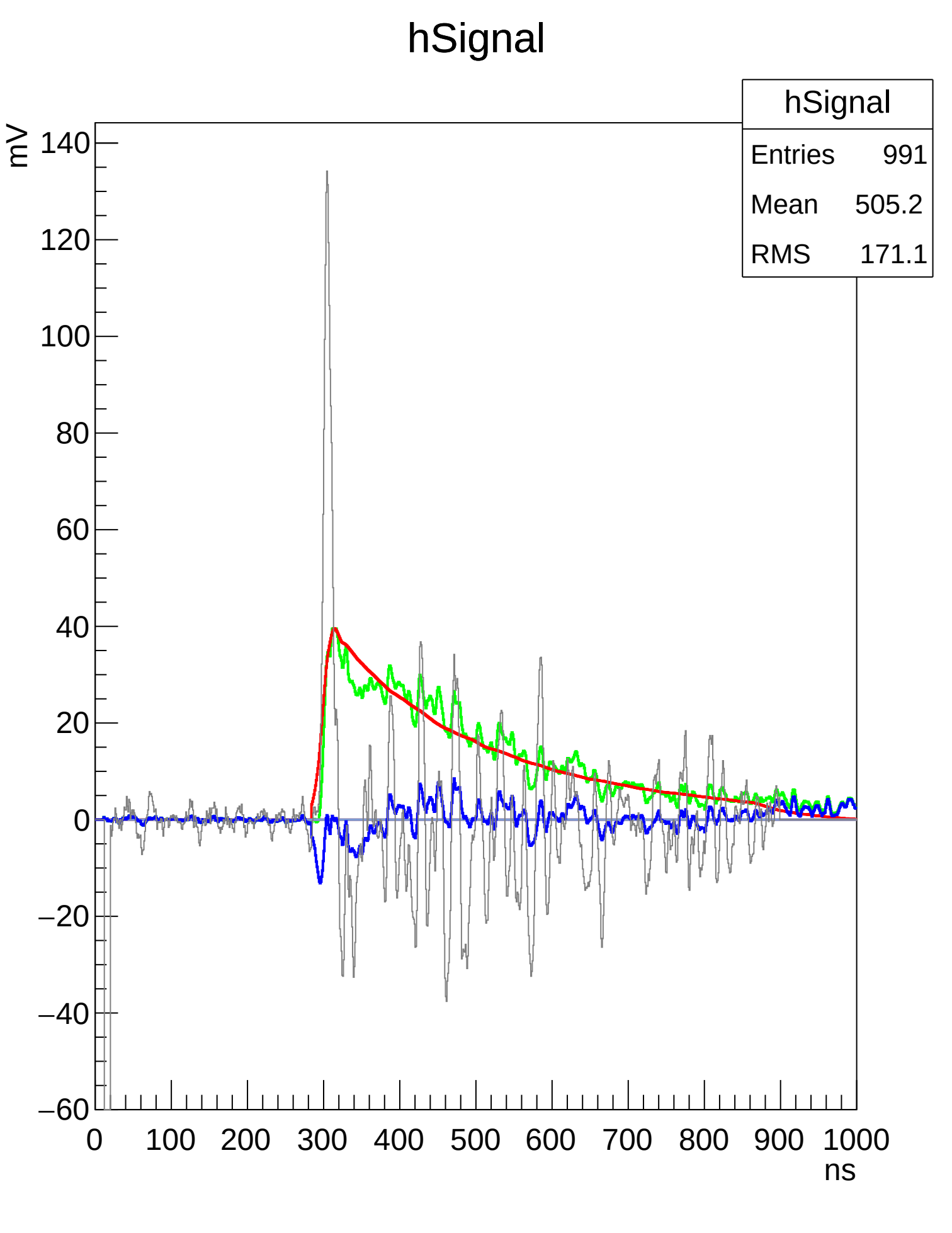

hSignal
hSignal
Entries 991
Mean 549.6
RMS 165.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

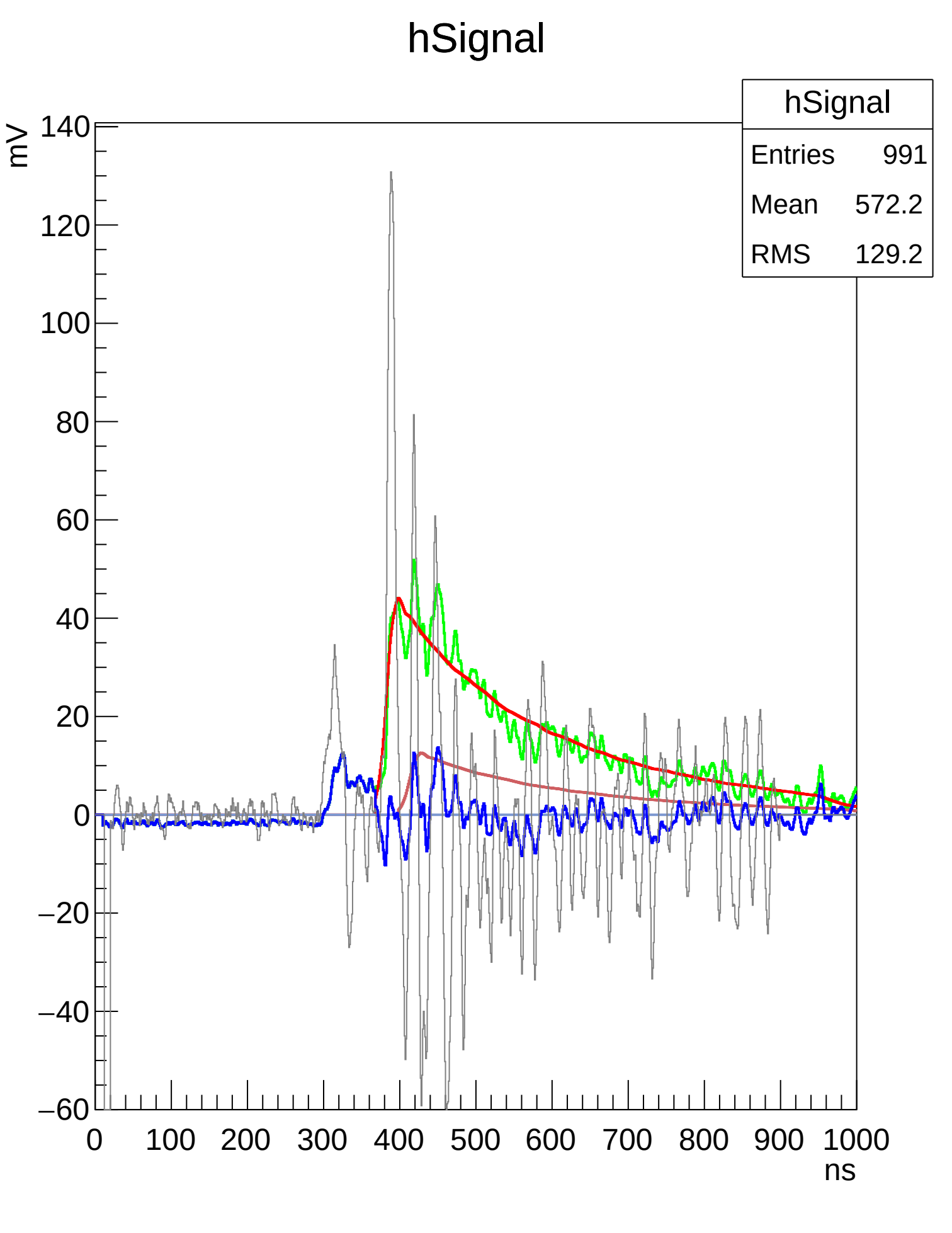

hSignal
hSignal
Entries 991
Mean 546.4
RMS 164.7
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

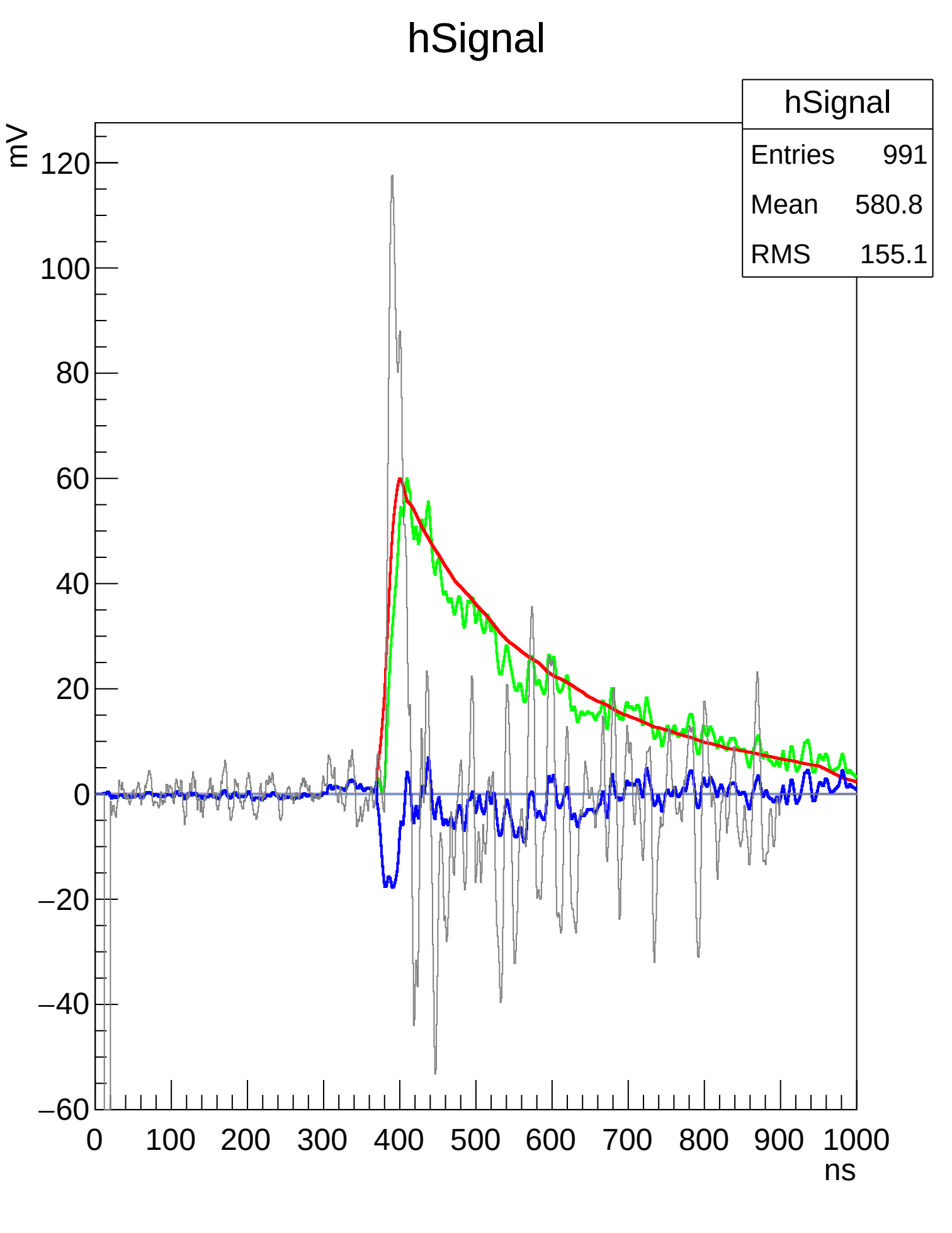

hSignal
hSignal
Entries 991
Mean 543.7
RMS 163
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

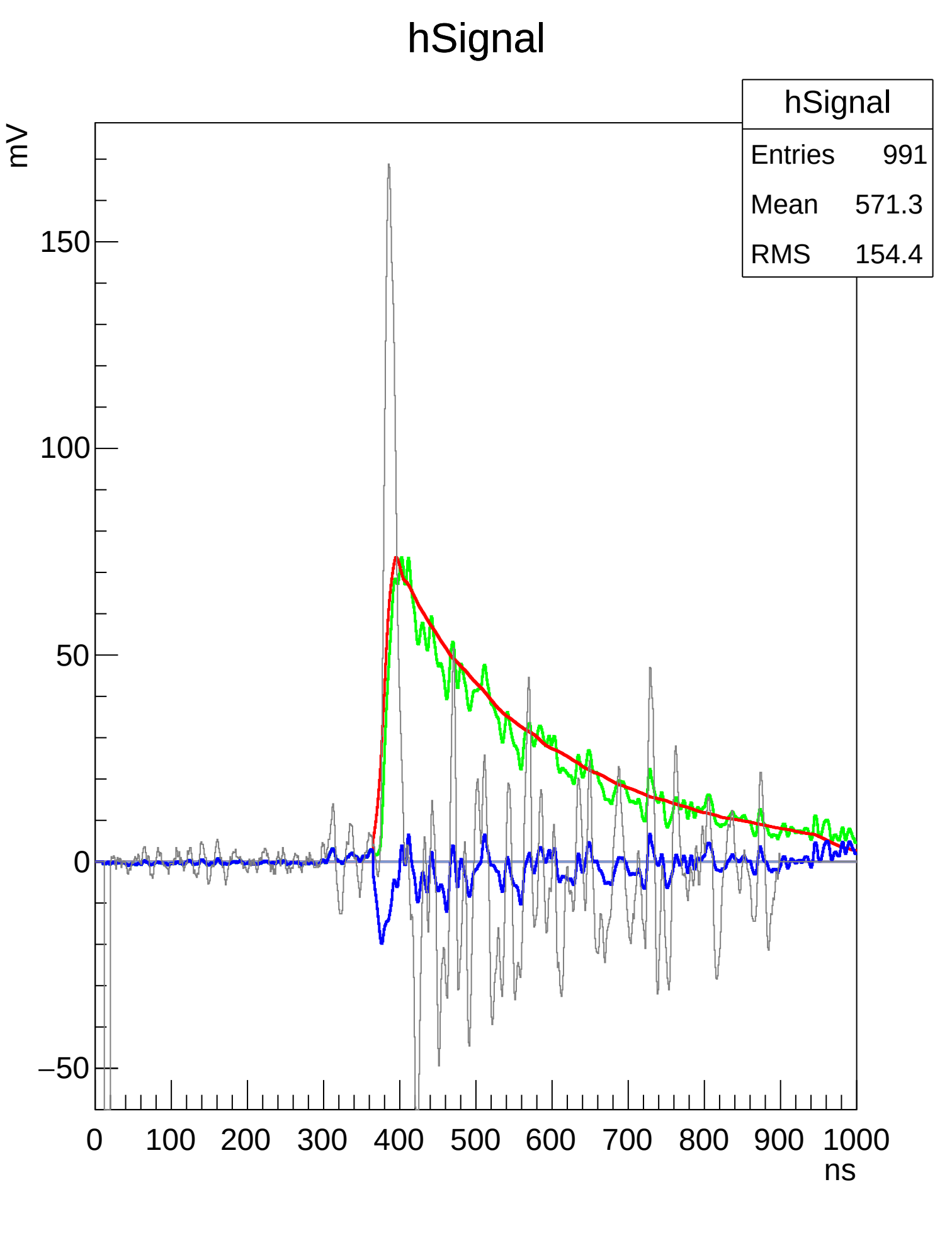

hSignal
hSignal
Entries 991
Mean 571.6
RMS 161
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

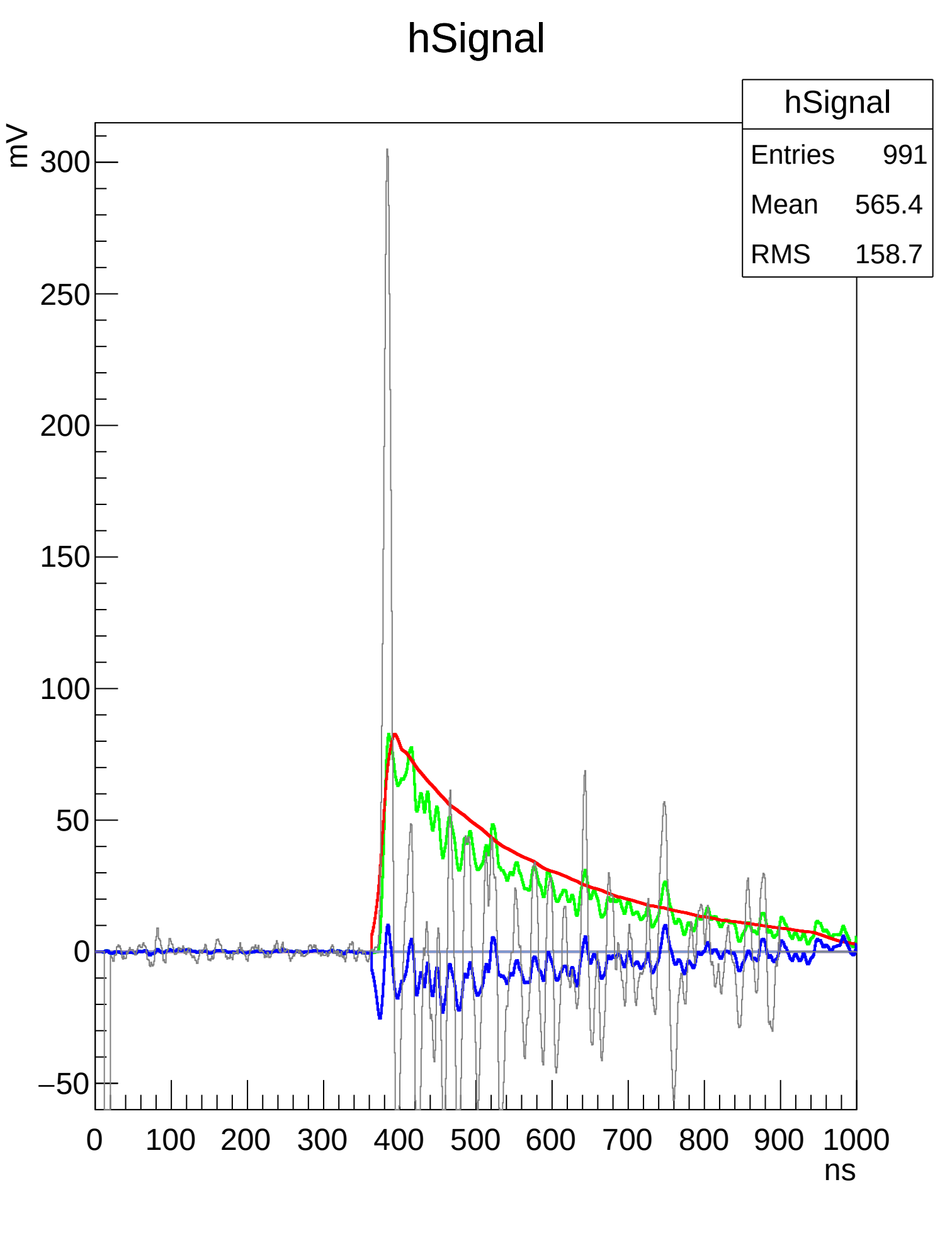

hSignal
hSignal
Entries 991
Mean 506.6
RMS 170.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

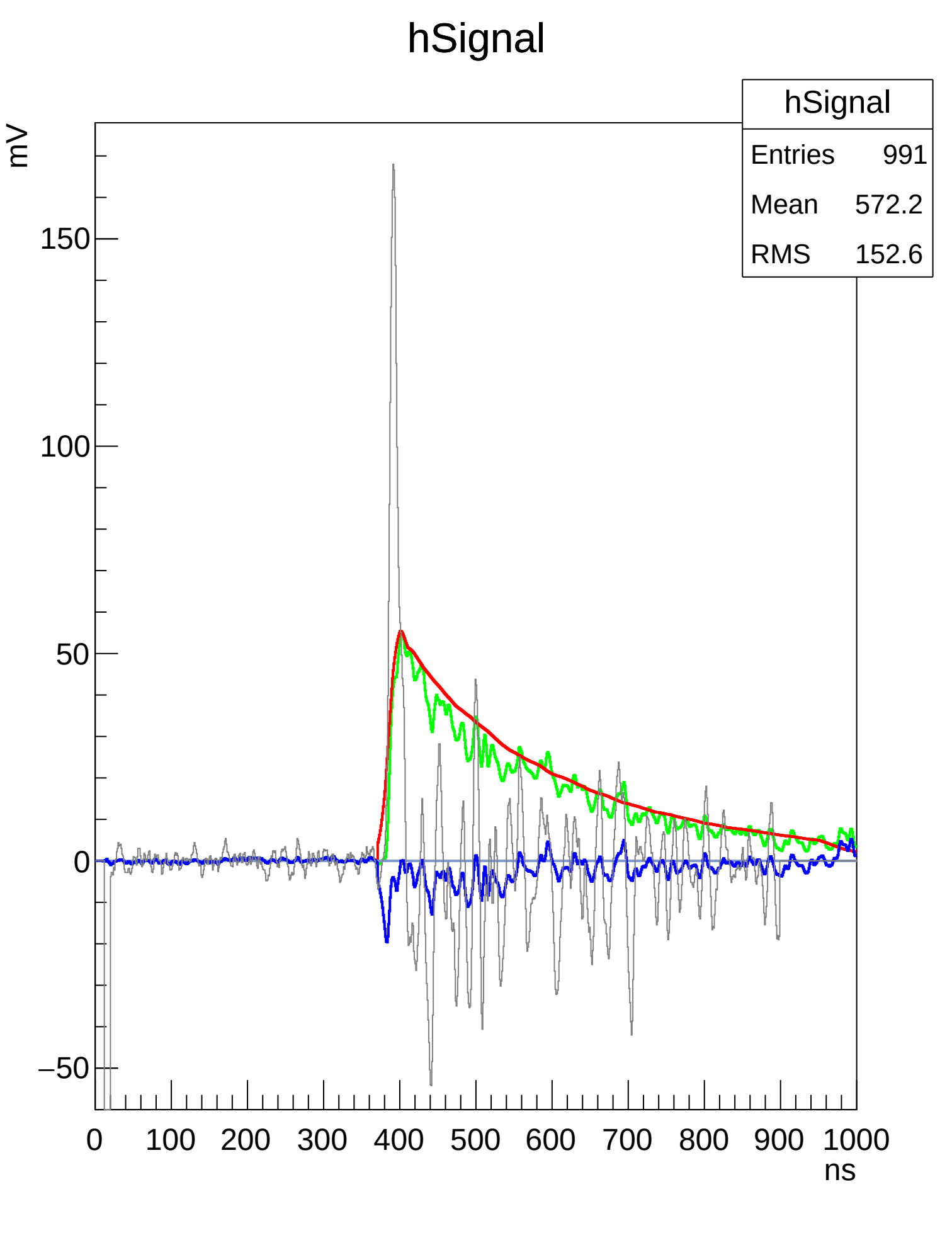

hSignal
hSignal
Entries 991
Mean 505.2
RMS 171.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

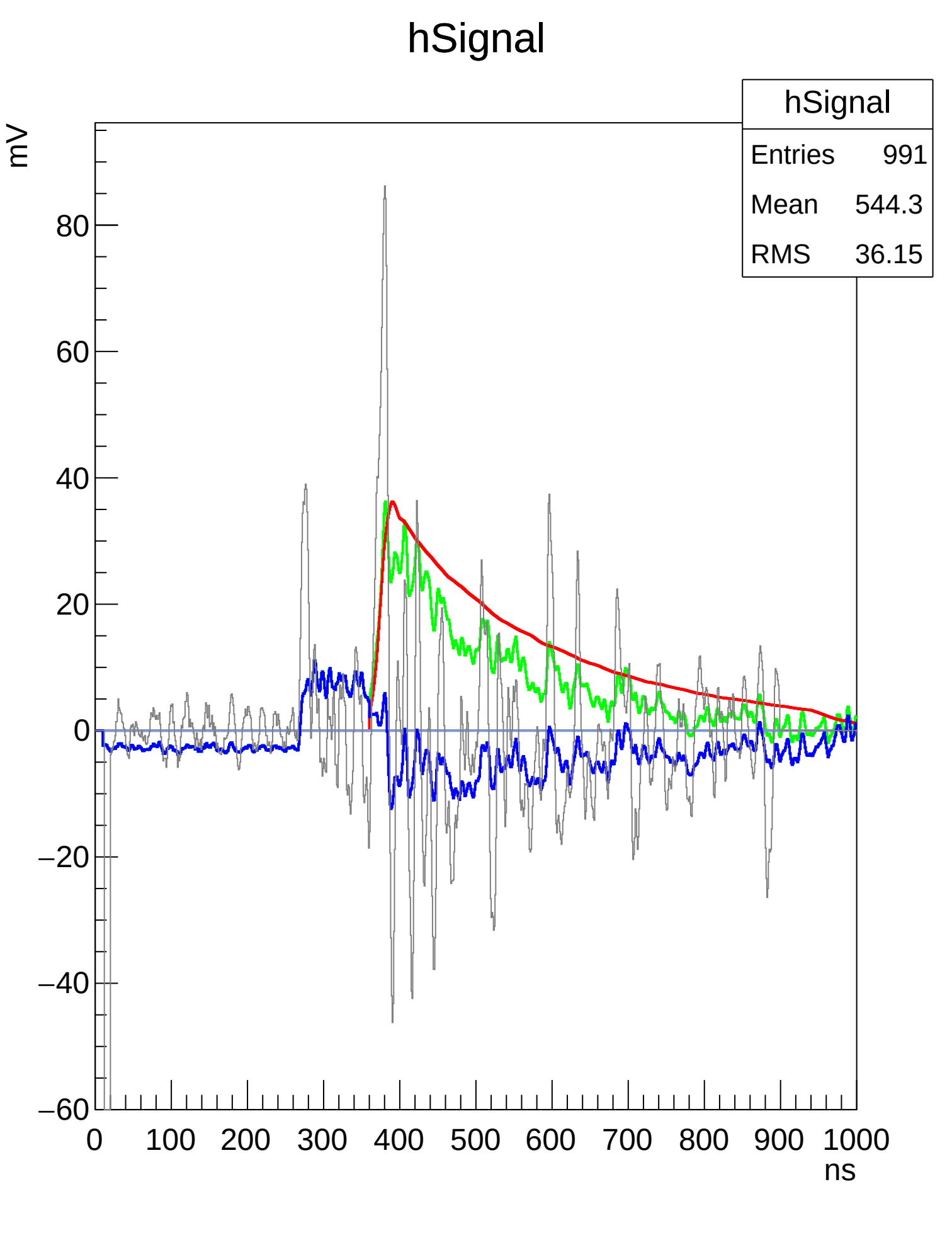

hSignal
hSignal
Entries 991
Mean 572.2
RMS 129.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

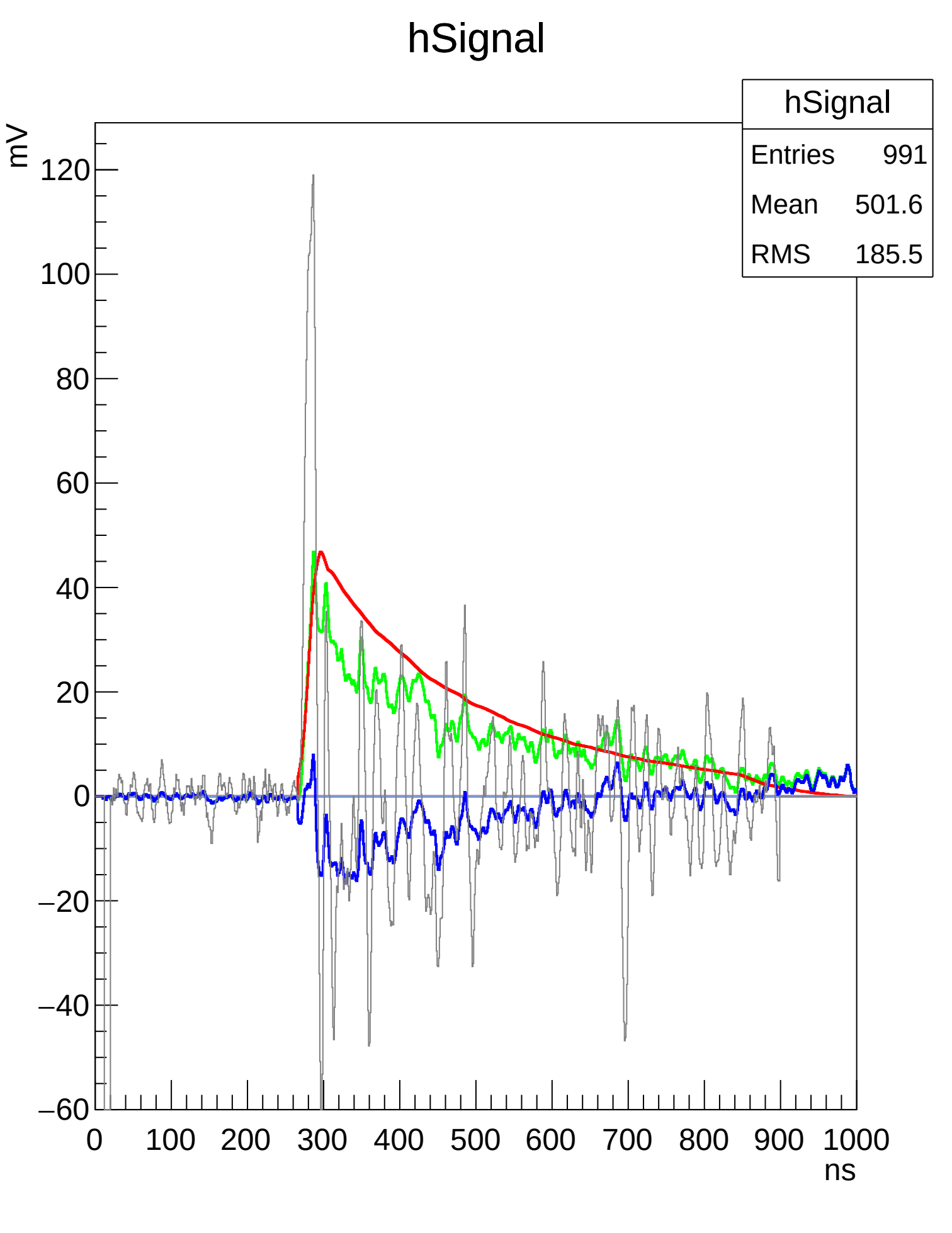

hSignal
hSignal
Entries 991
Mean 580.8
RMS 155.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

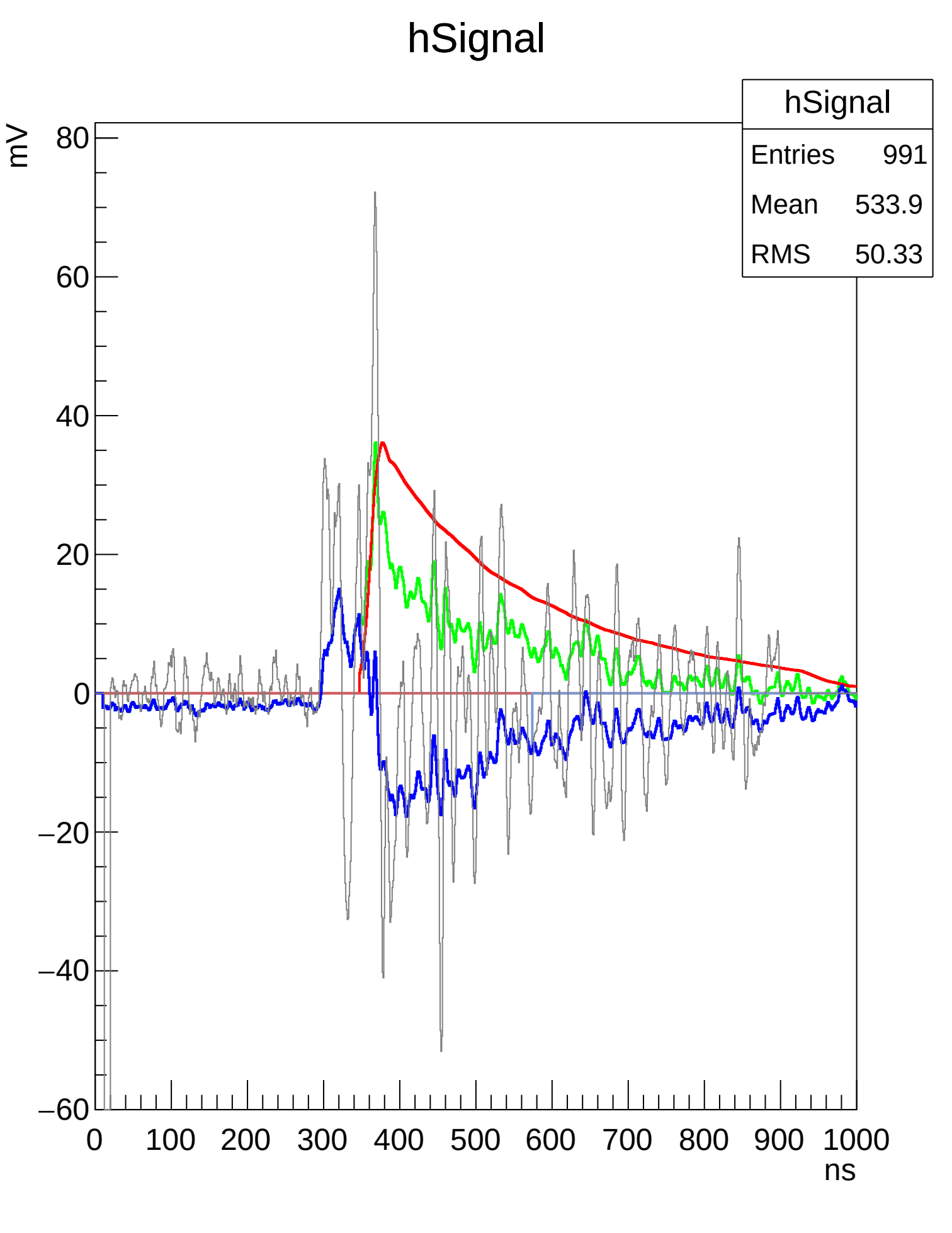

hSignal
hSignal
Entries 991
Mean 571.3
RMS 154.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

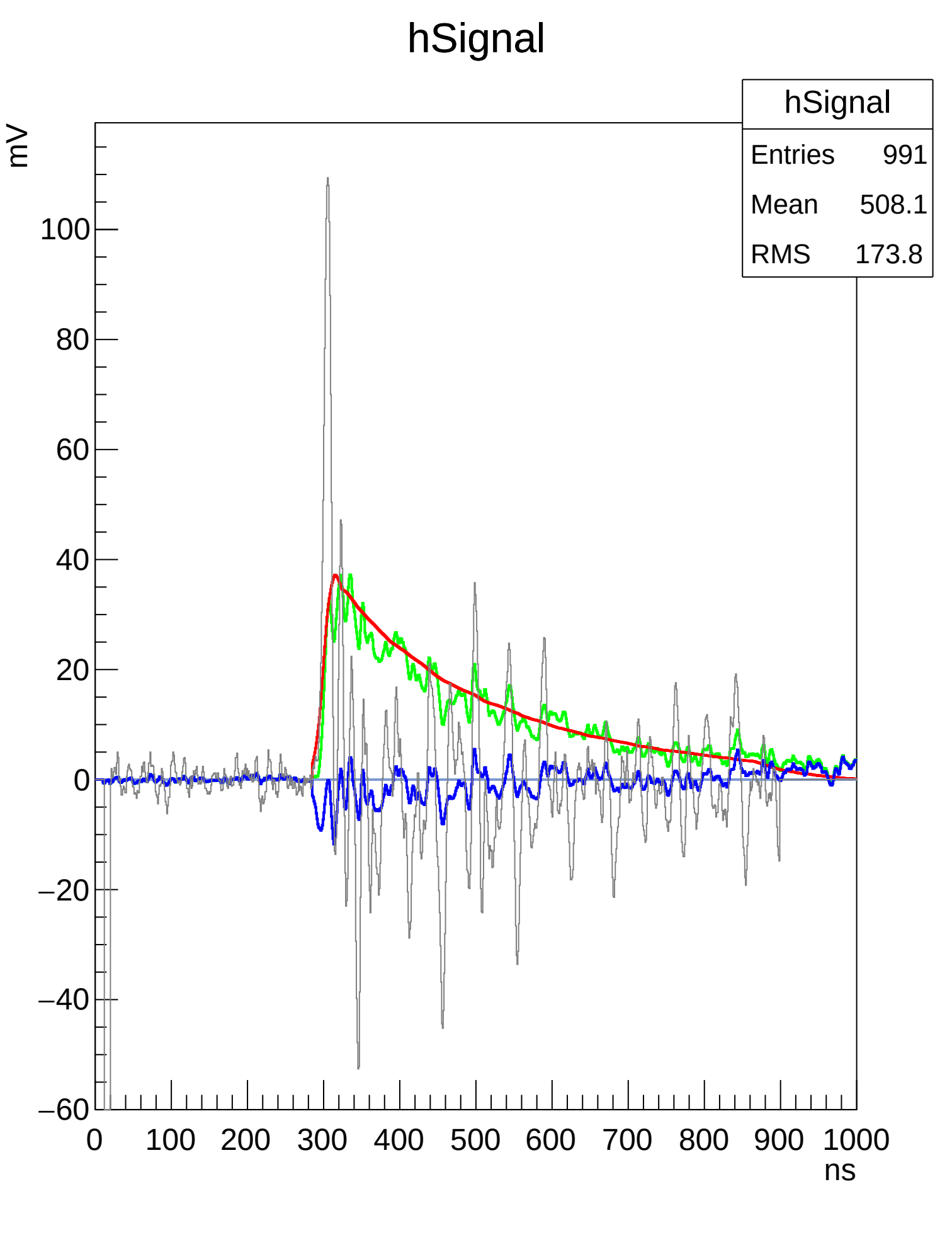

hSignal
hSignal
Entries 991
Mean 565.4
RMS 158.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

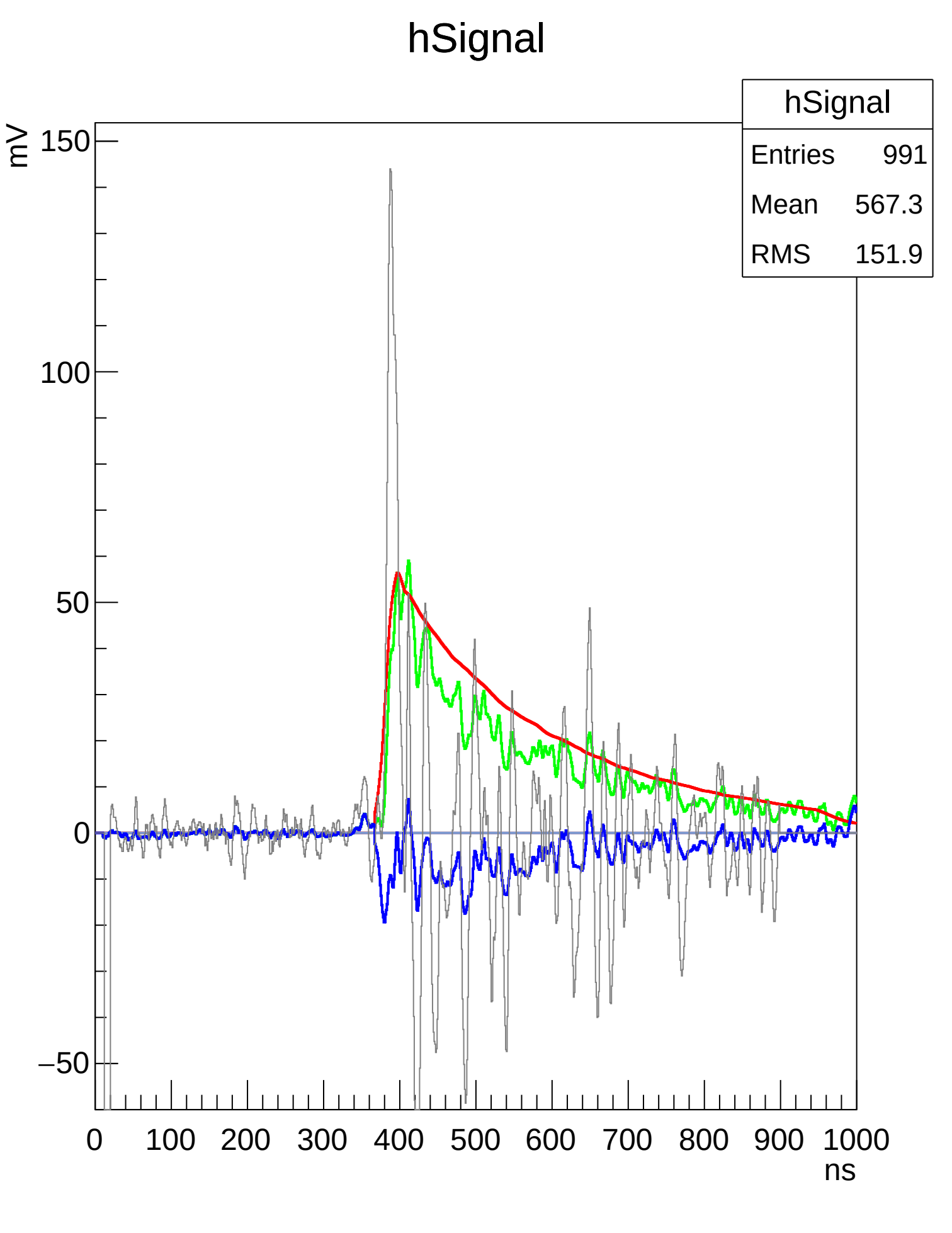

hSignal
hSignal
Entries 991
Mean 572.2
RMS 152.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

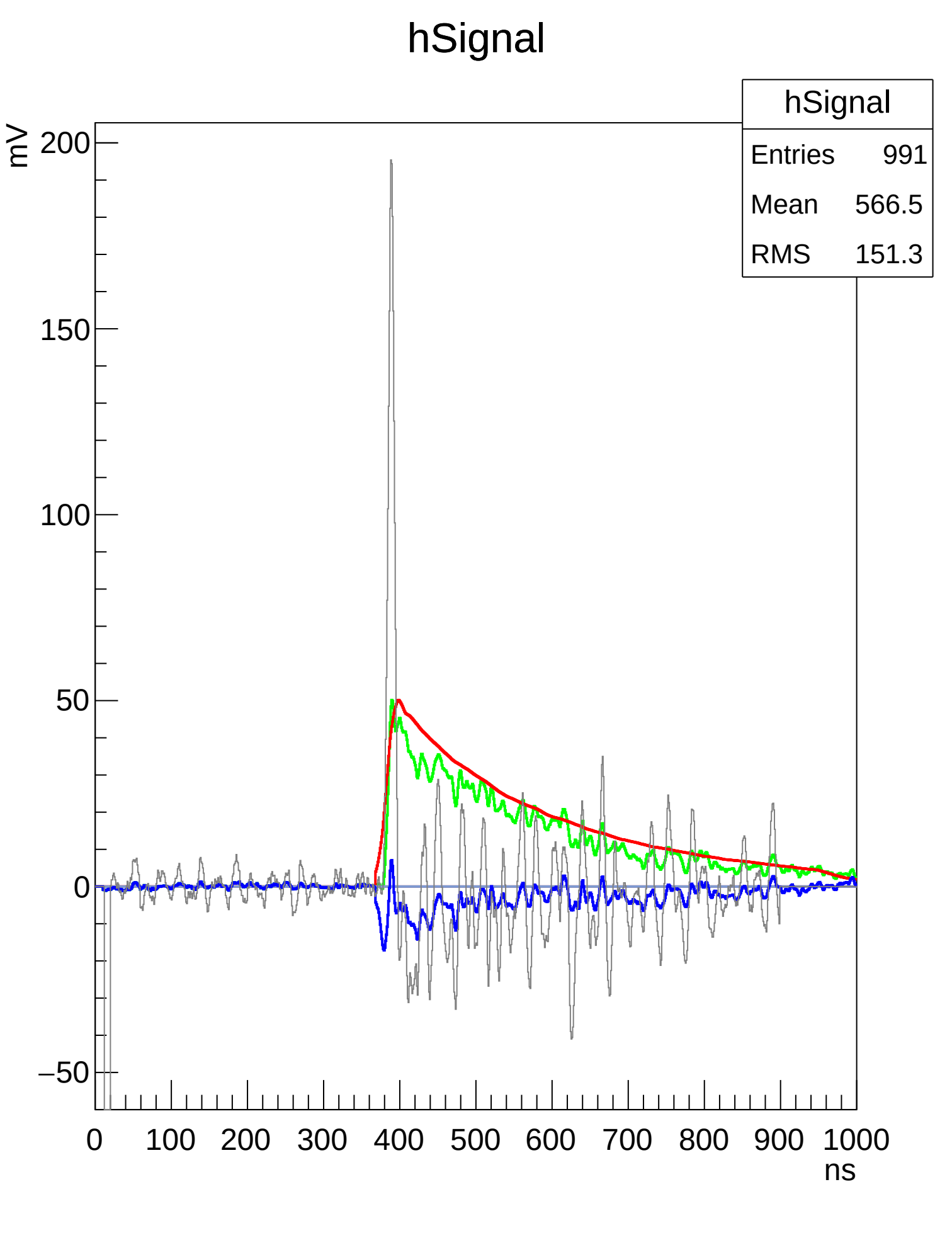

hSignal
hSignal
Entries 991
Mean 544.3
RMS 36.15
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

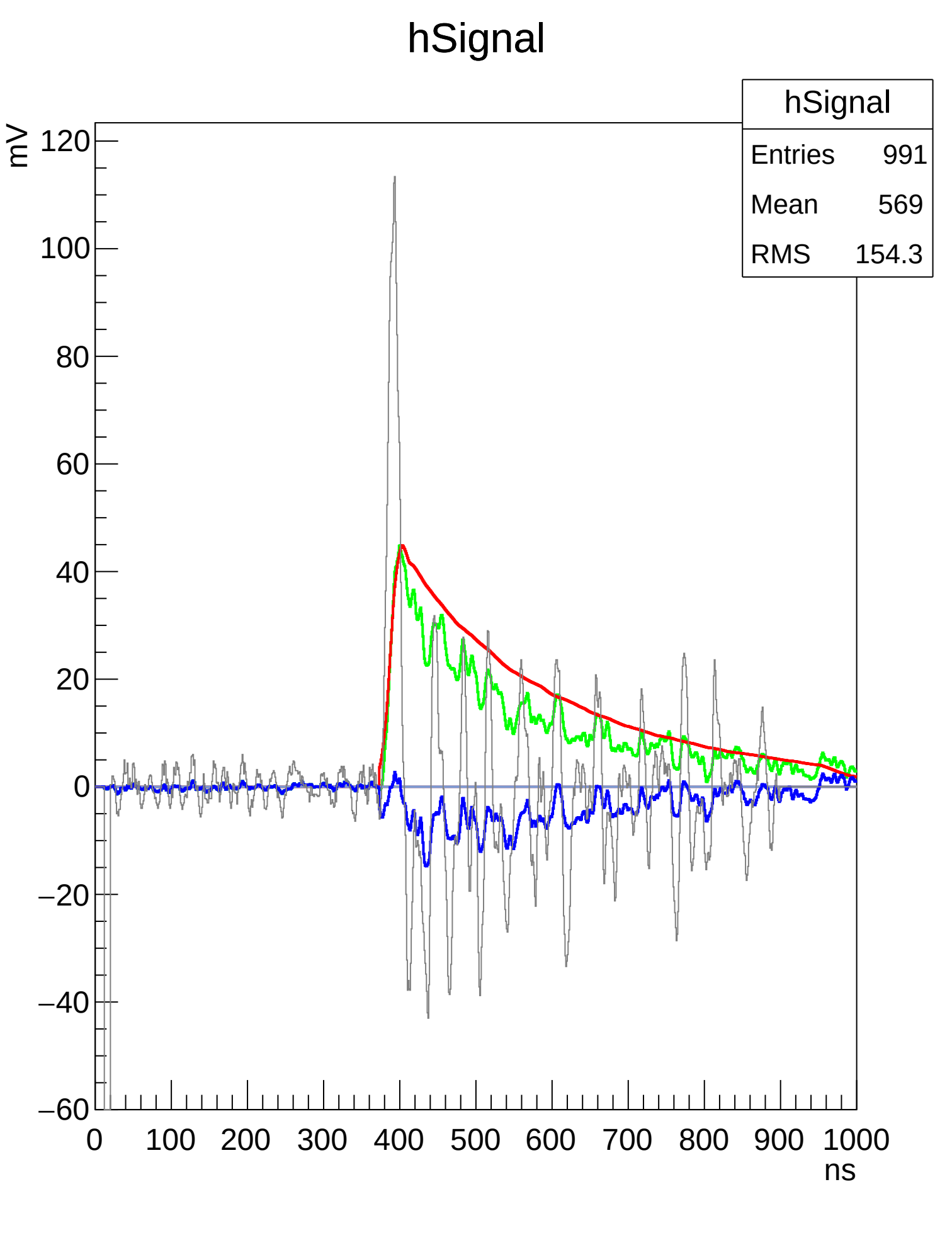

hSignal
hSignal
Entries 991
Mean 501.6
RMS 185.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

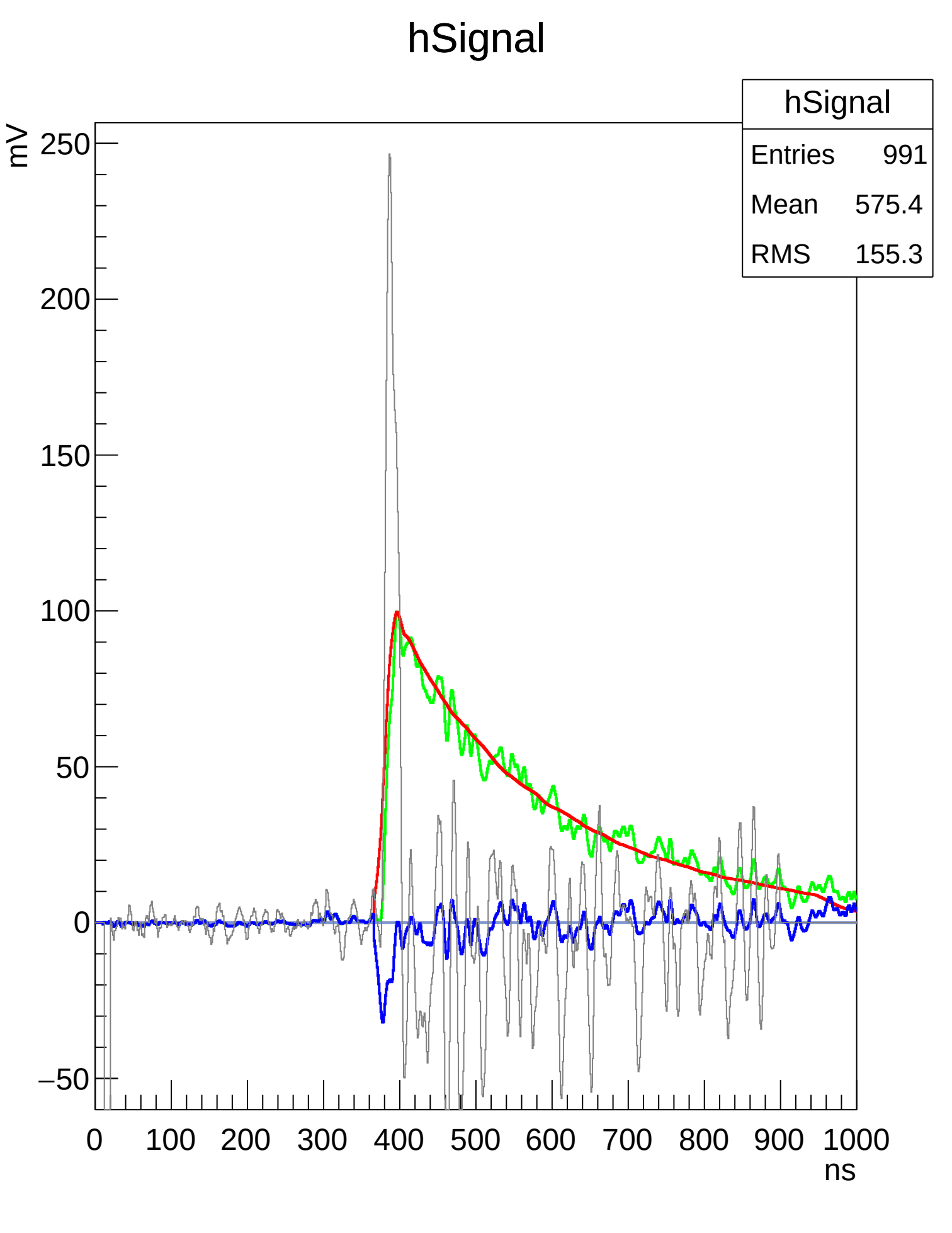

hSignal
hSignal
Entries 991
Mean 533.9
RMS 50.33
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

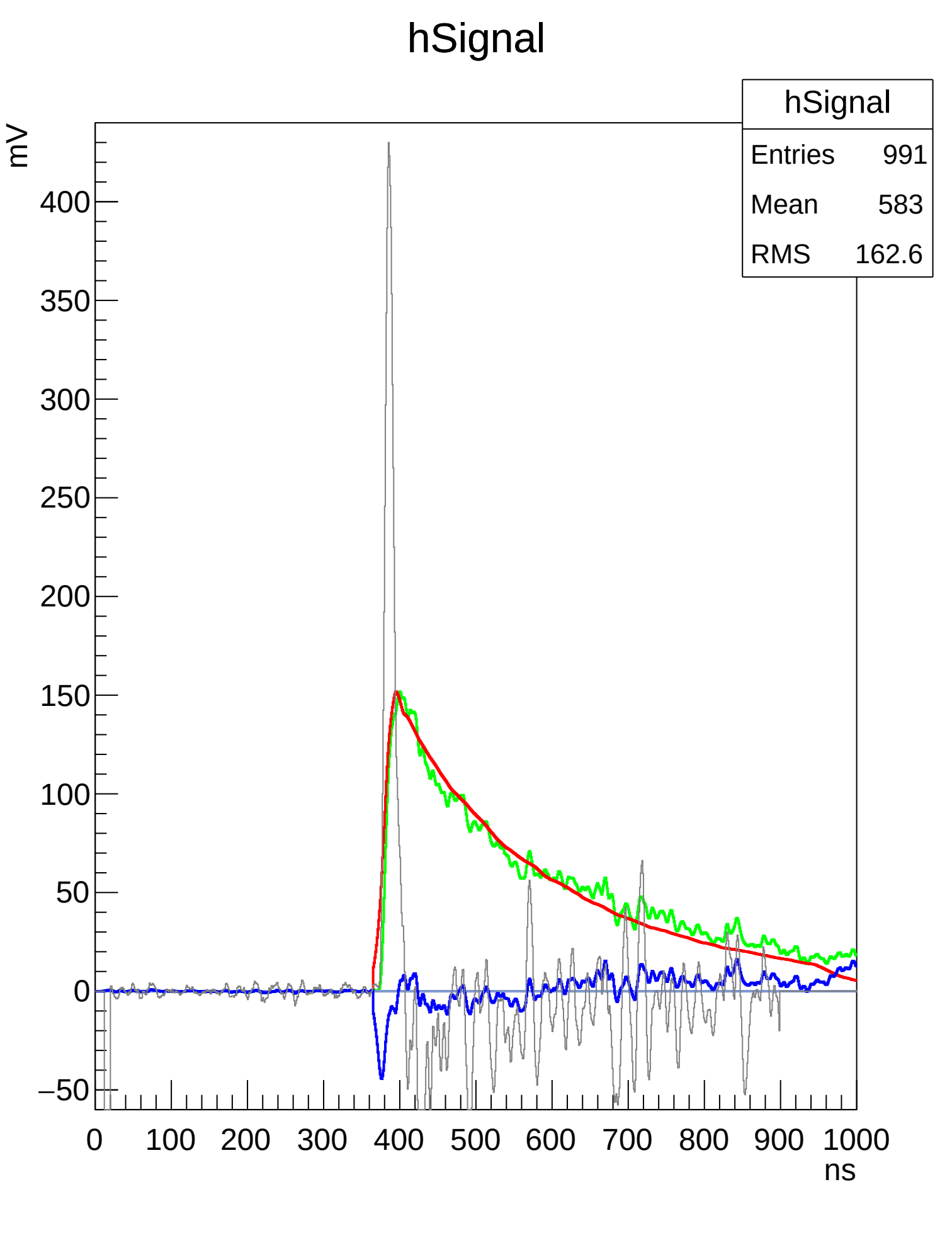

hSignal
hSignal
Entries 991
Mean 508.1
RMS 173.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

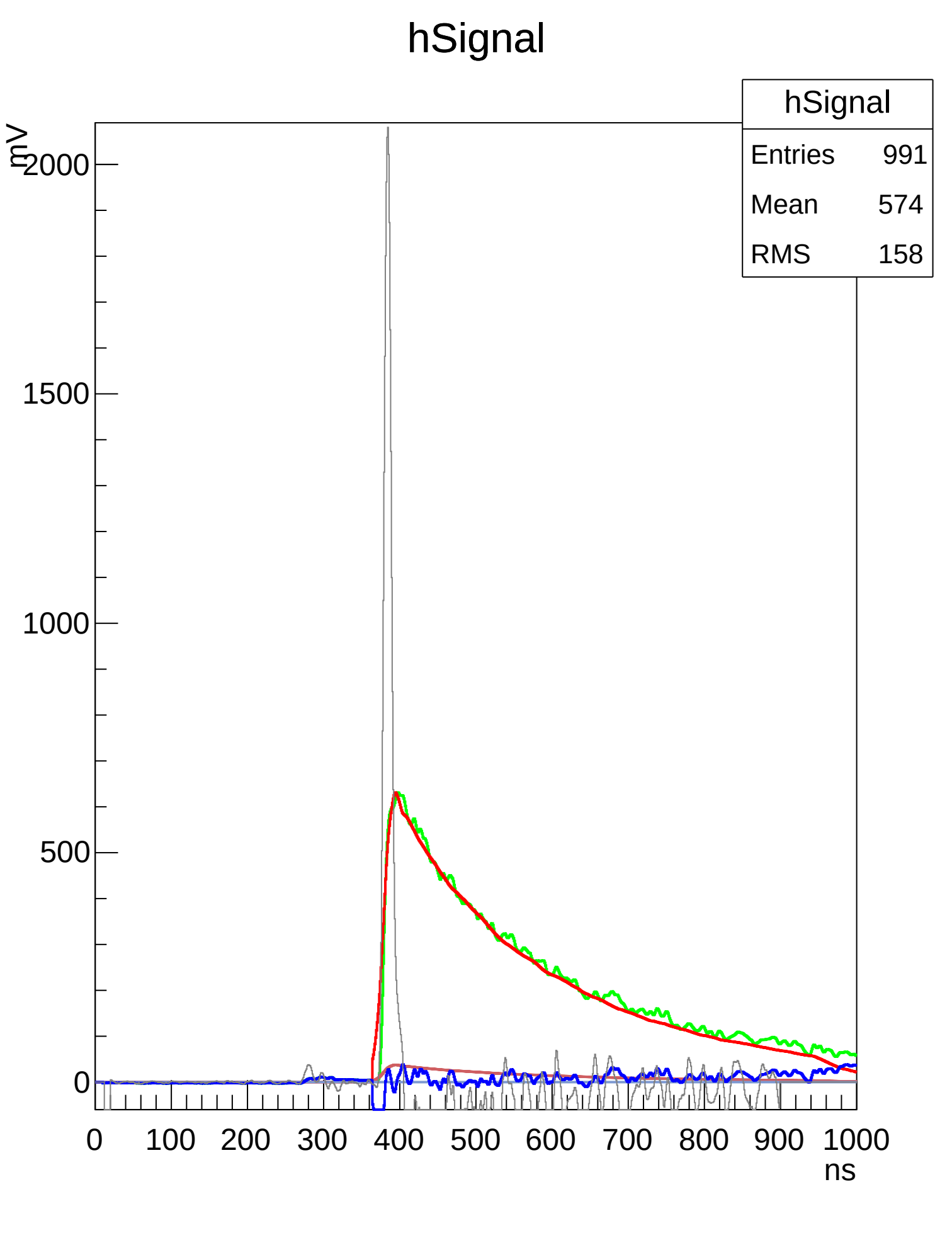

hSignal
hSignal
Entries 991
Mean 567.3
RMS 151.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

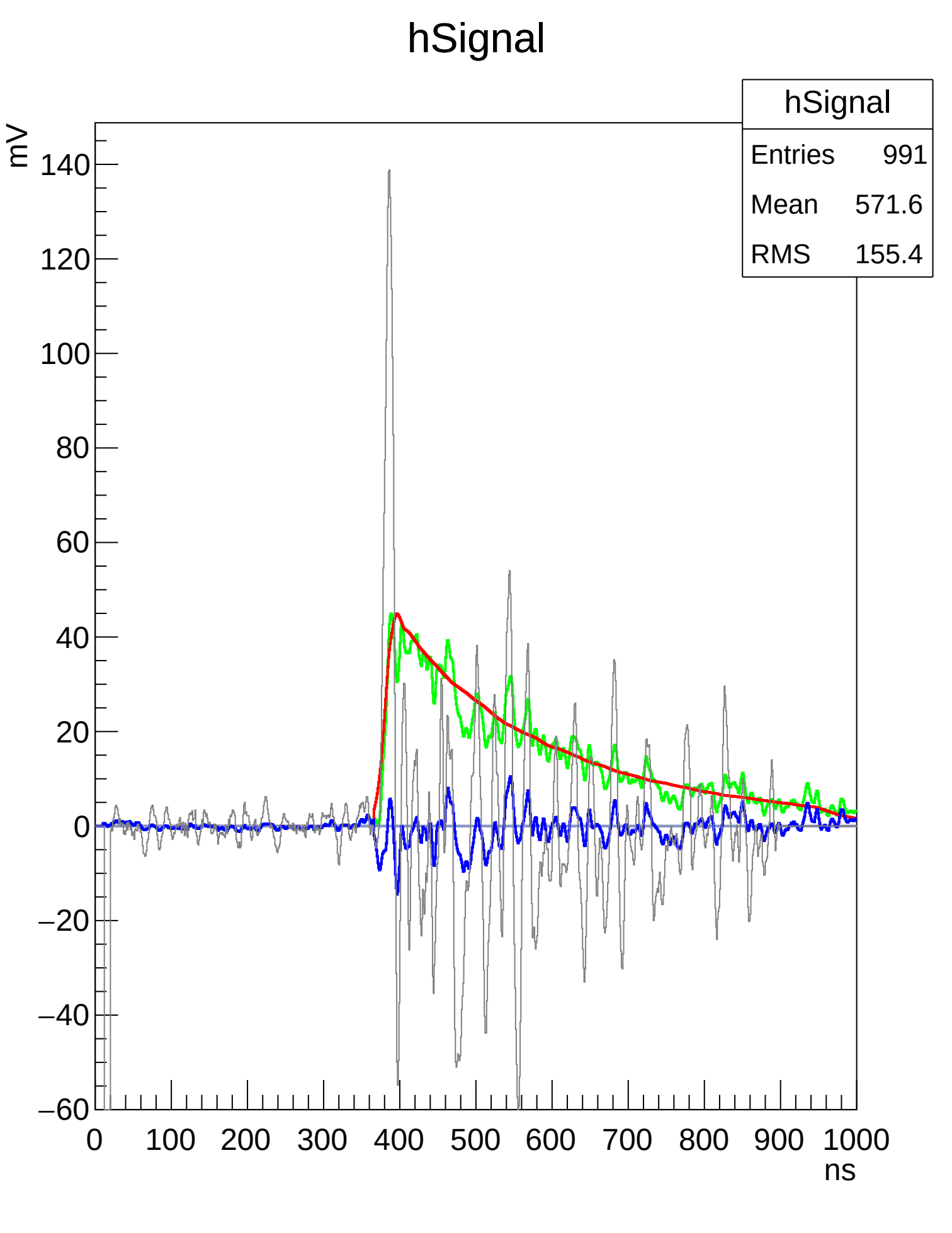

hSignal
hSignal
Entries 991
Mean 566.5
RMS 151.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

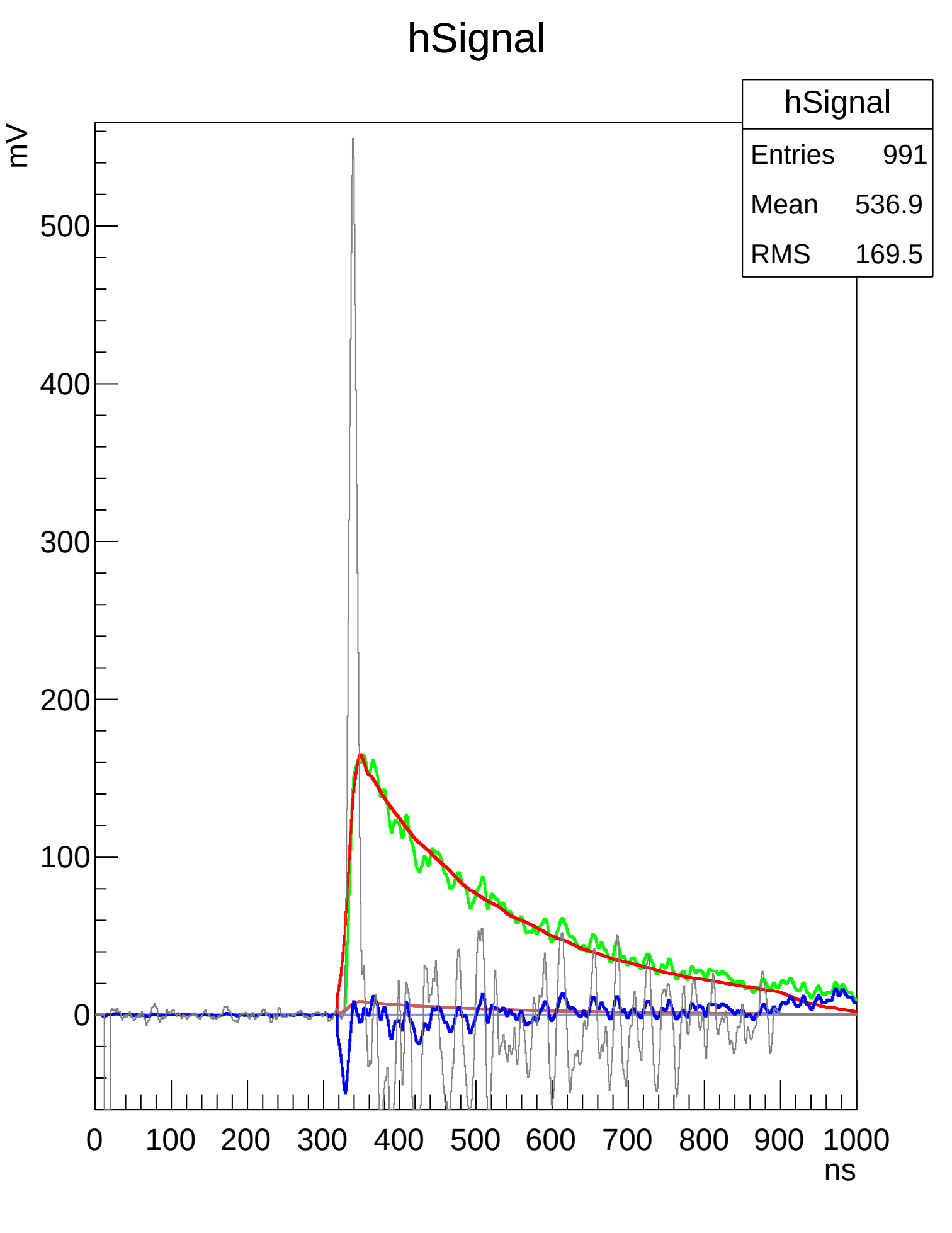

hSignal
hSignal
Entries 991
Mean 569
RMS 154.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

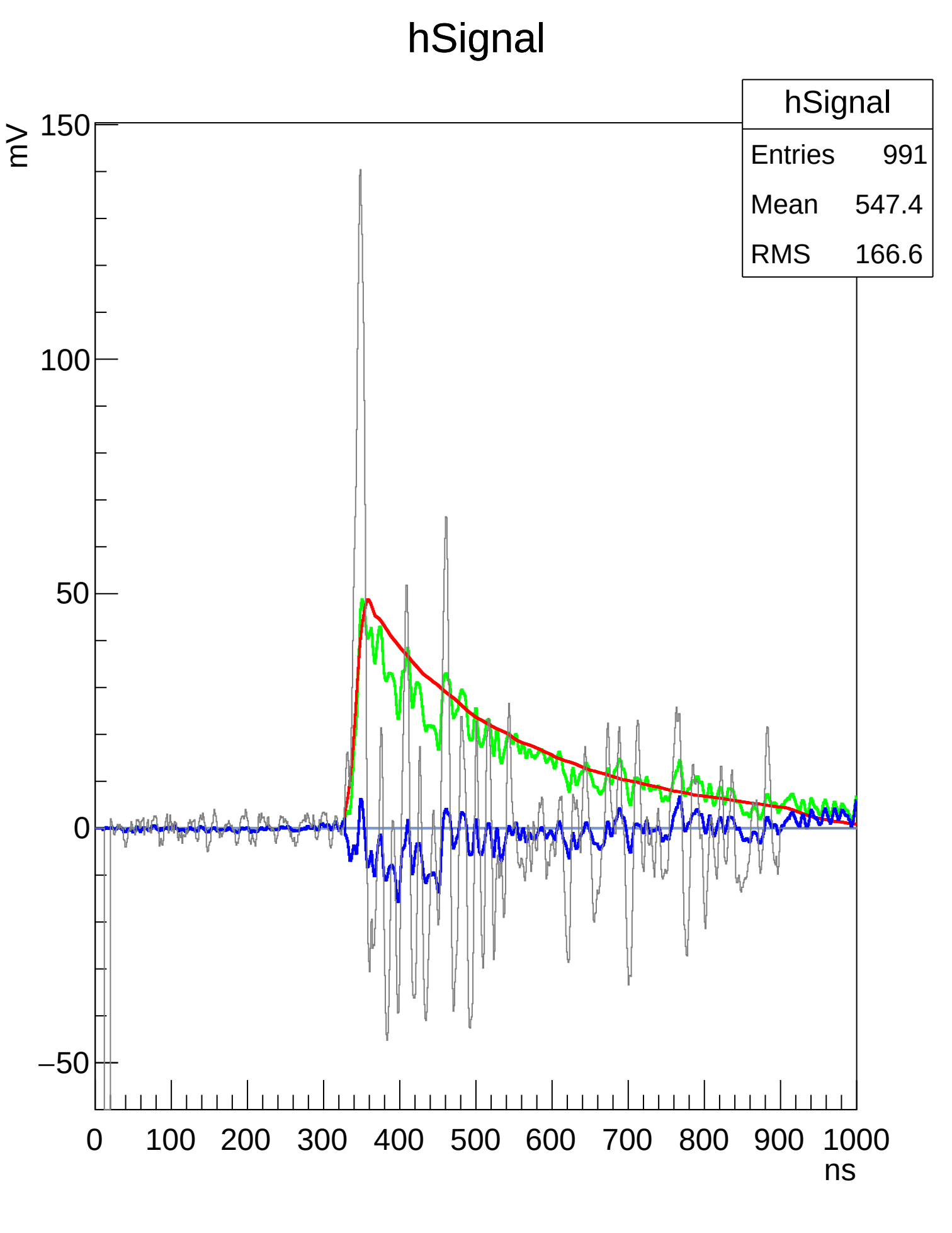

hSignal
hSignal
Entries 991
Mean 575.4
RMS 155.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

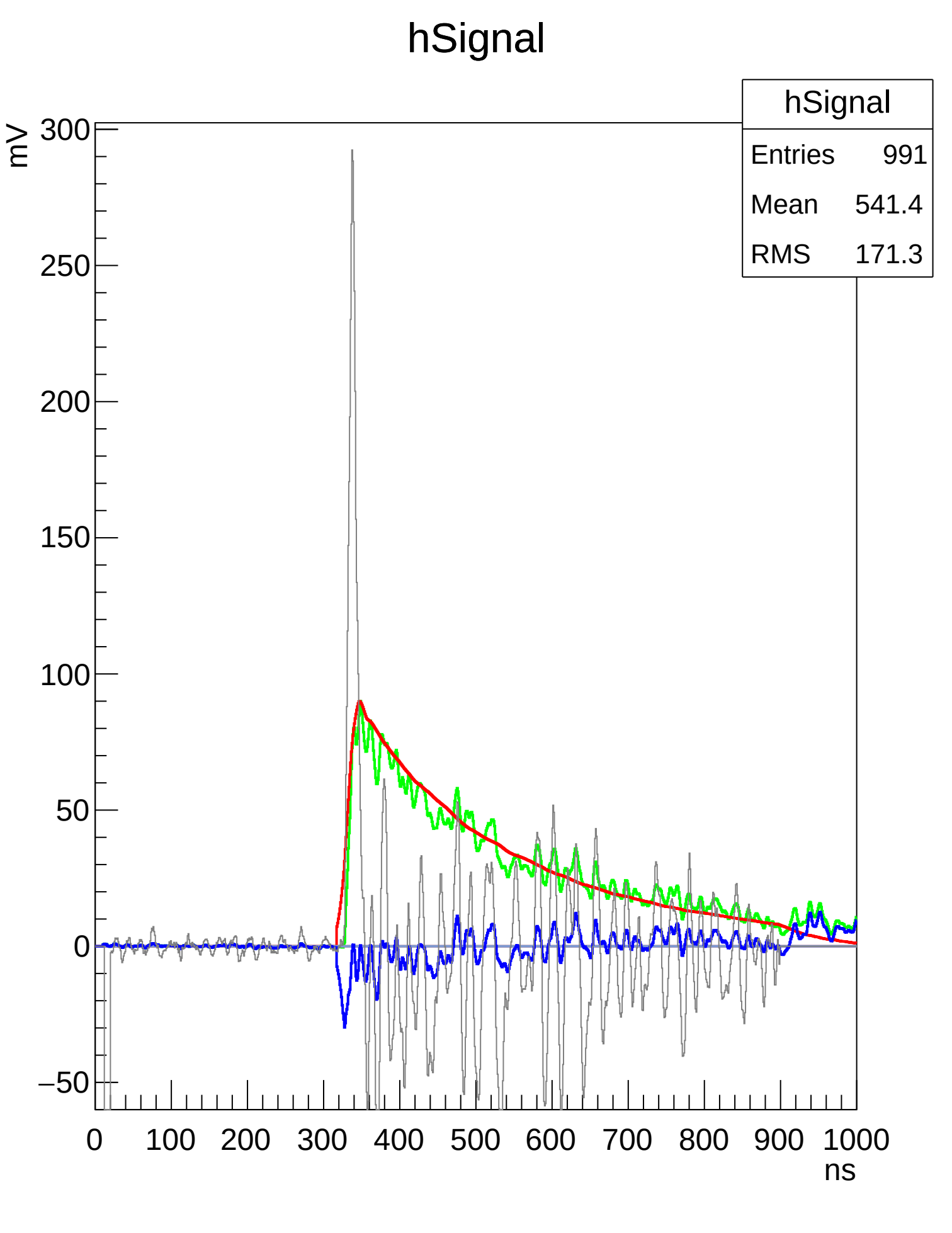

hSignal
hSignal
Entries 991
Mean 583
RMS 162.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

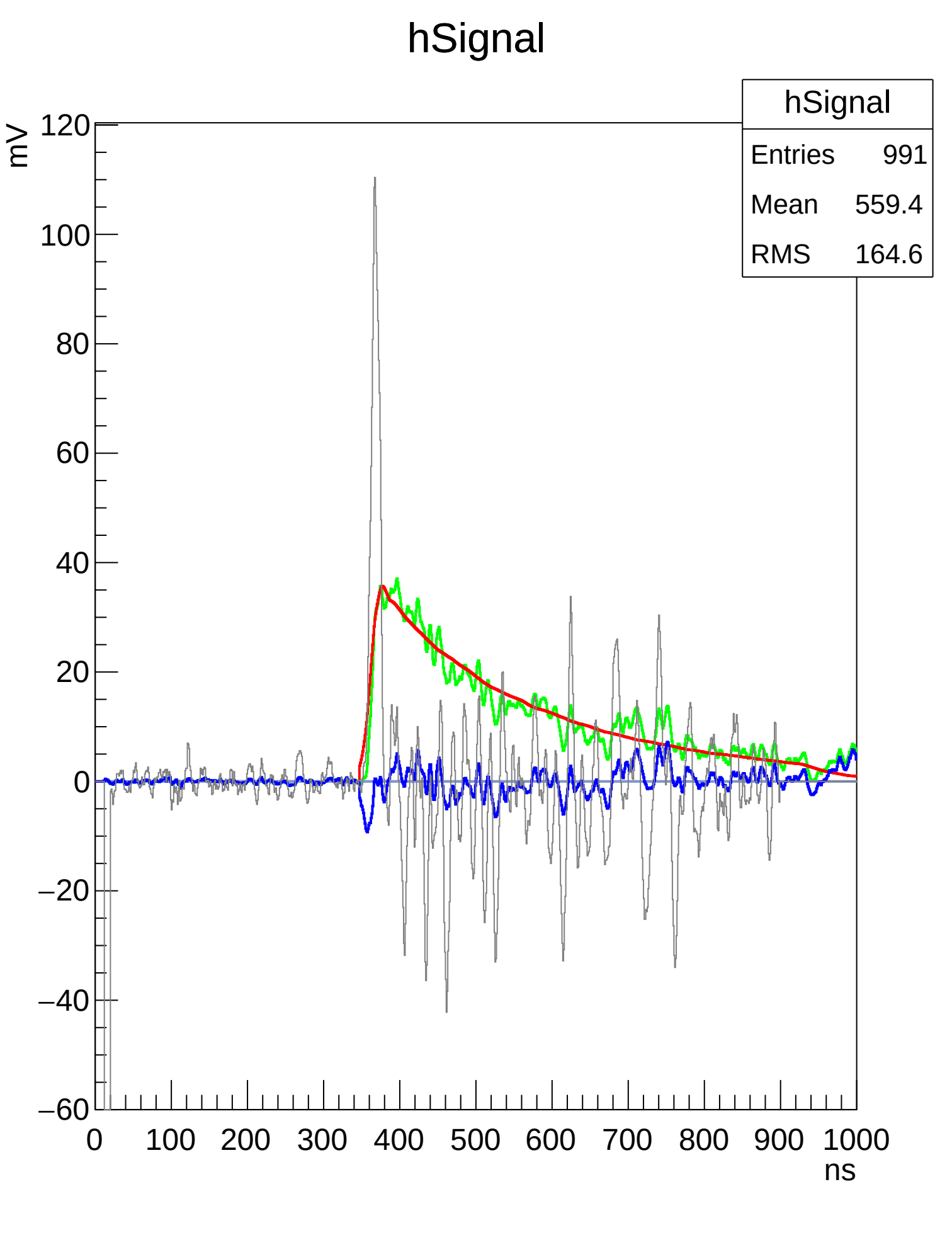

hSignal
hSignal
Entries 991
Mean 574
RMS 158
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

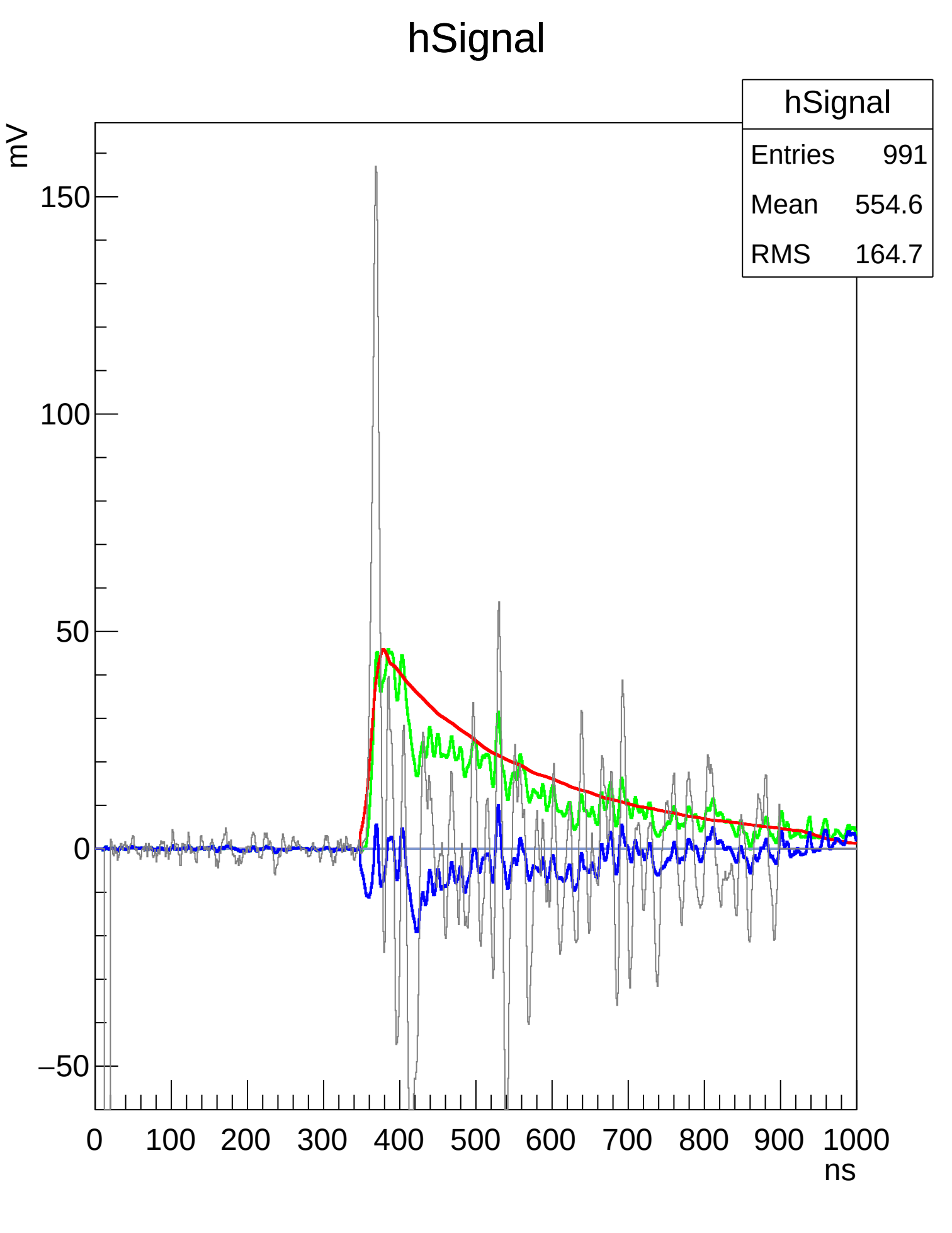

hSignal
hSignal
Entries 991
Mean 571.6
RMS 155.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

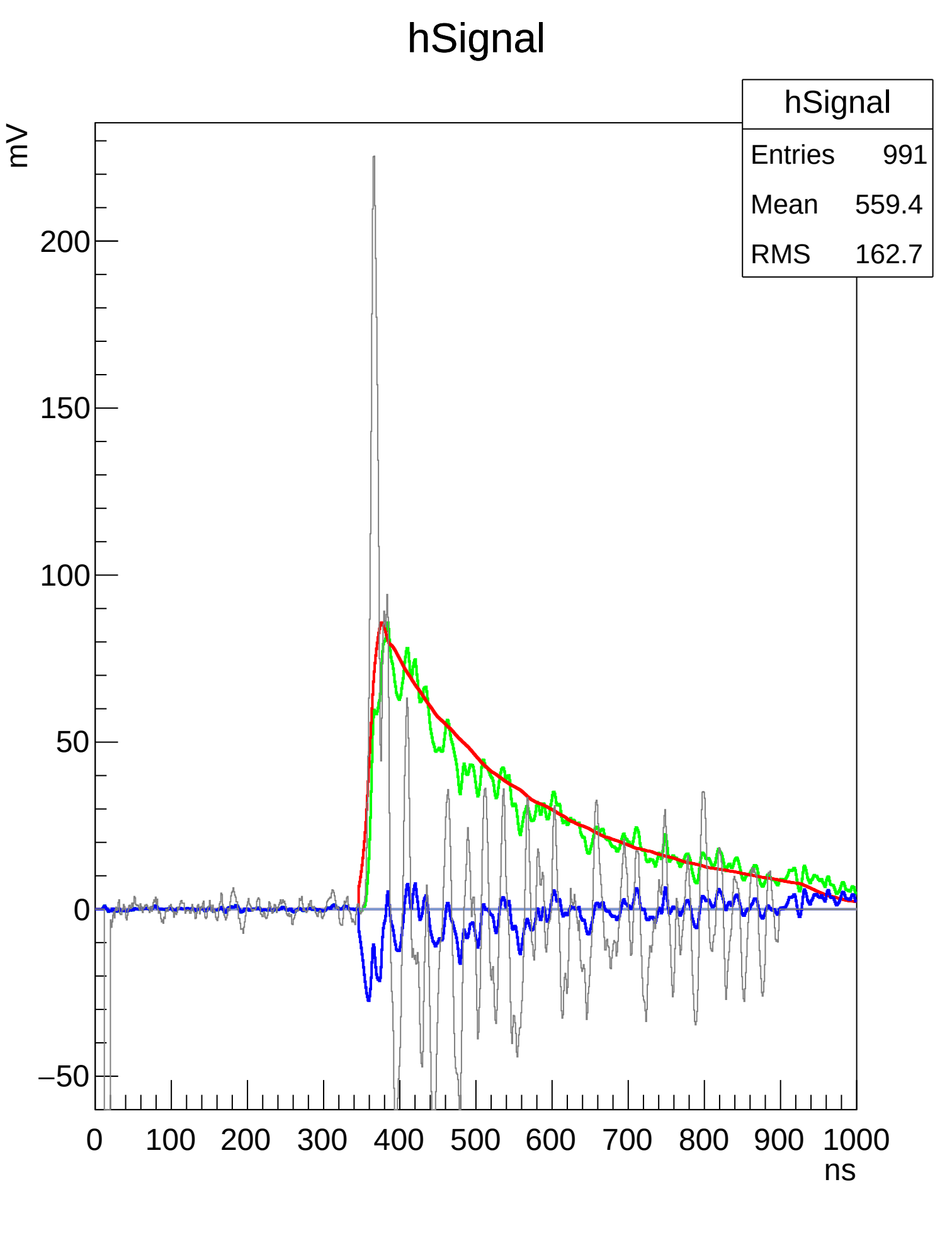

hSignal
hSignal
Entries 991
Mean 536.9
RMS 169.5
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

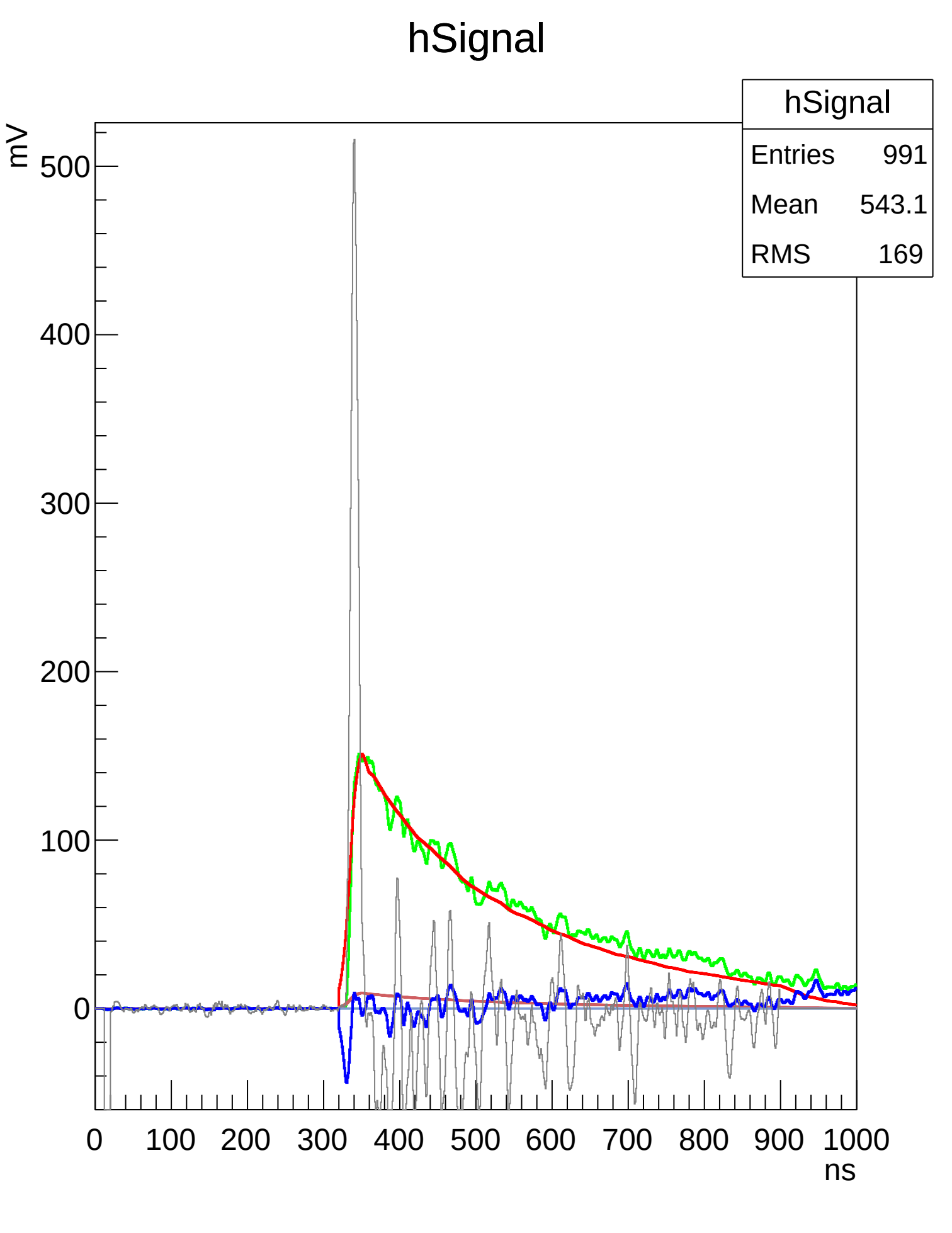

hSignal
hSignal
Entries 991
Mean 547.4
RMS 166.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

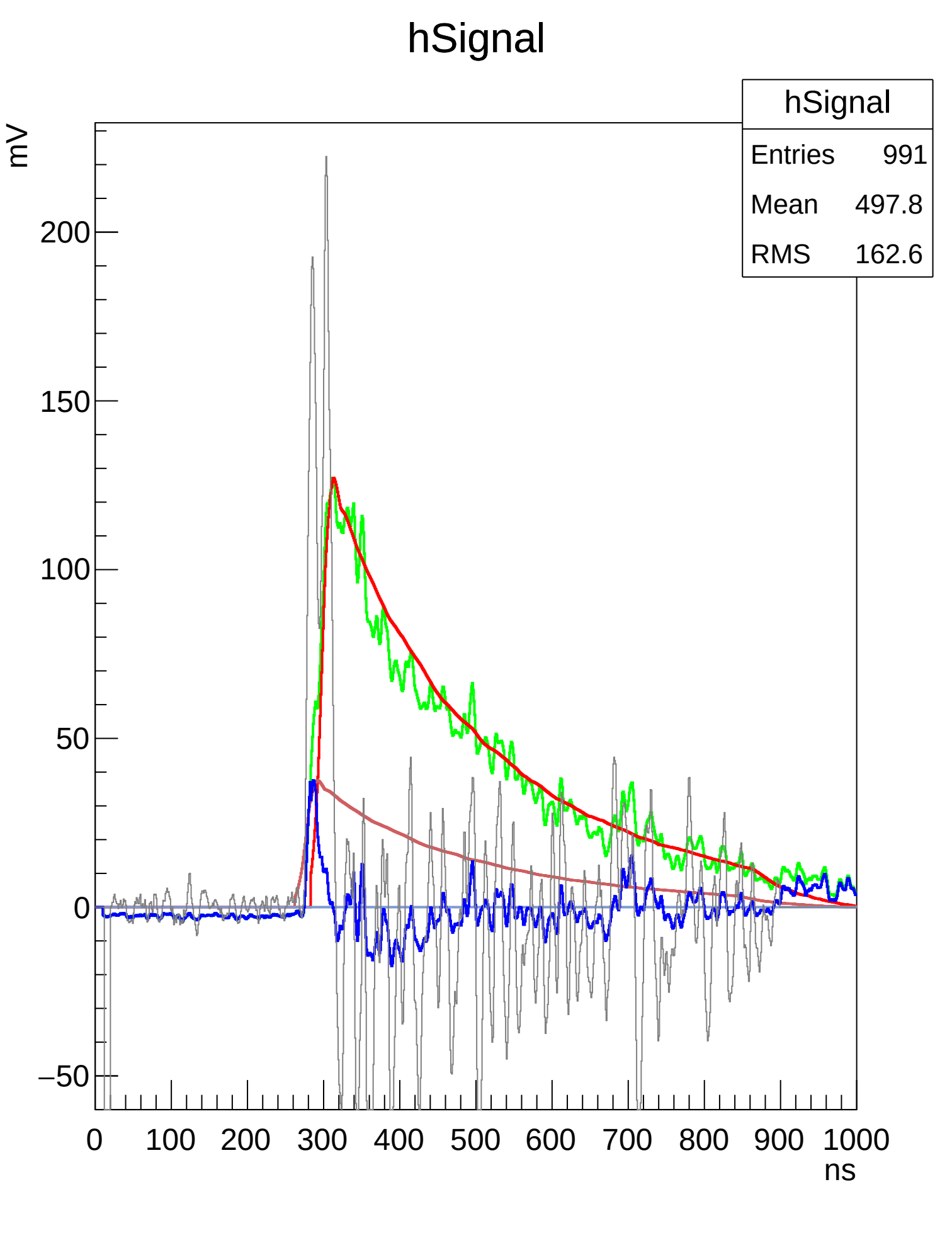

hSignal
hSignal
Entries 991
Mean 541.4
RMS 171.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

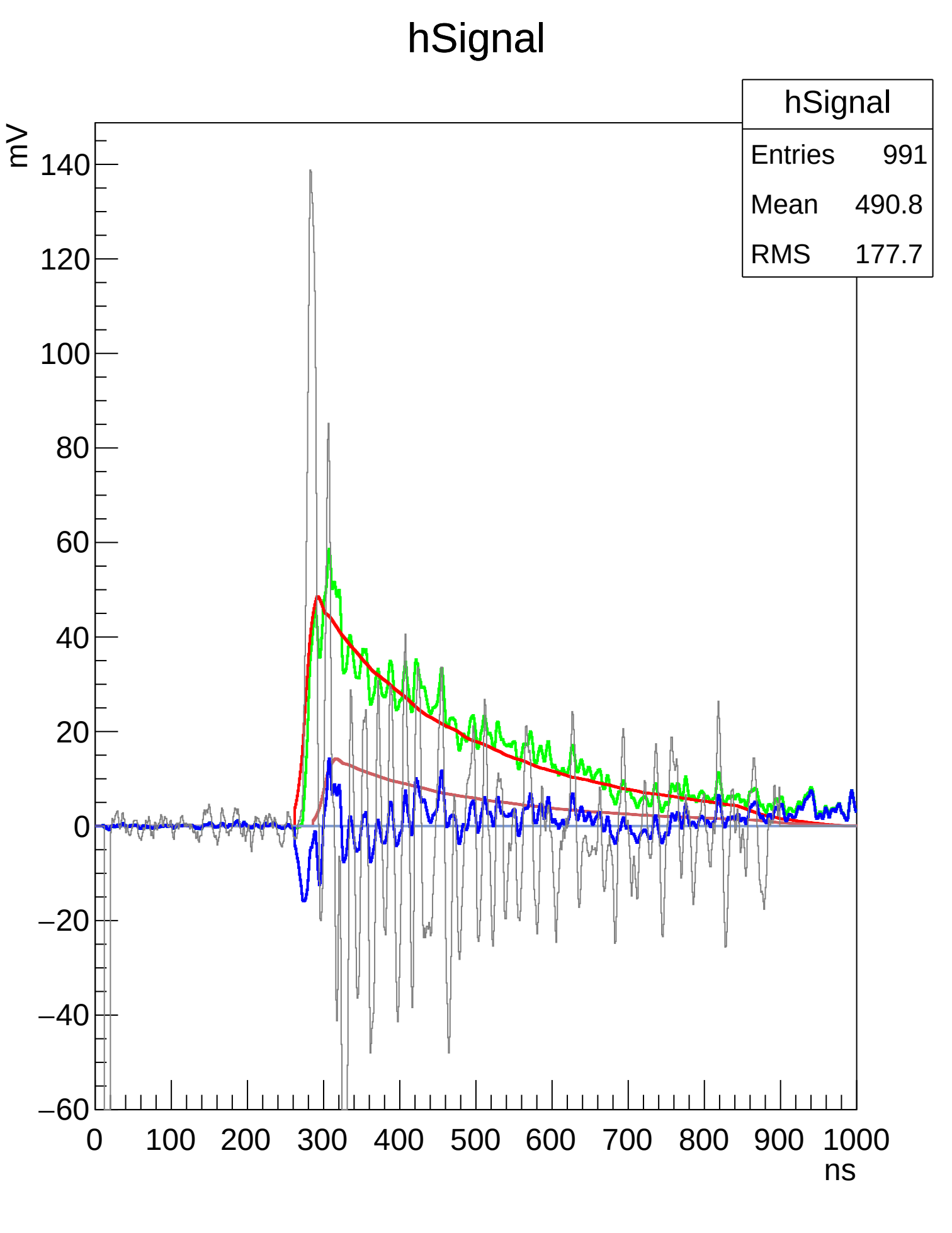

hSignal
hSignal
Entries 991
Mean 559.4
RMS 164.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

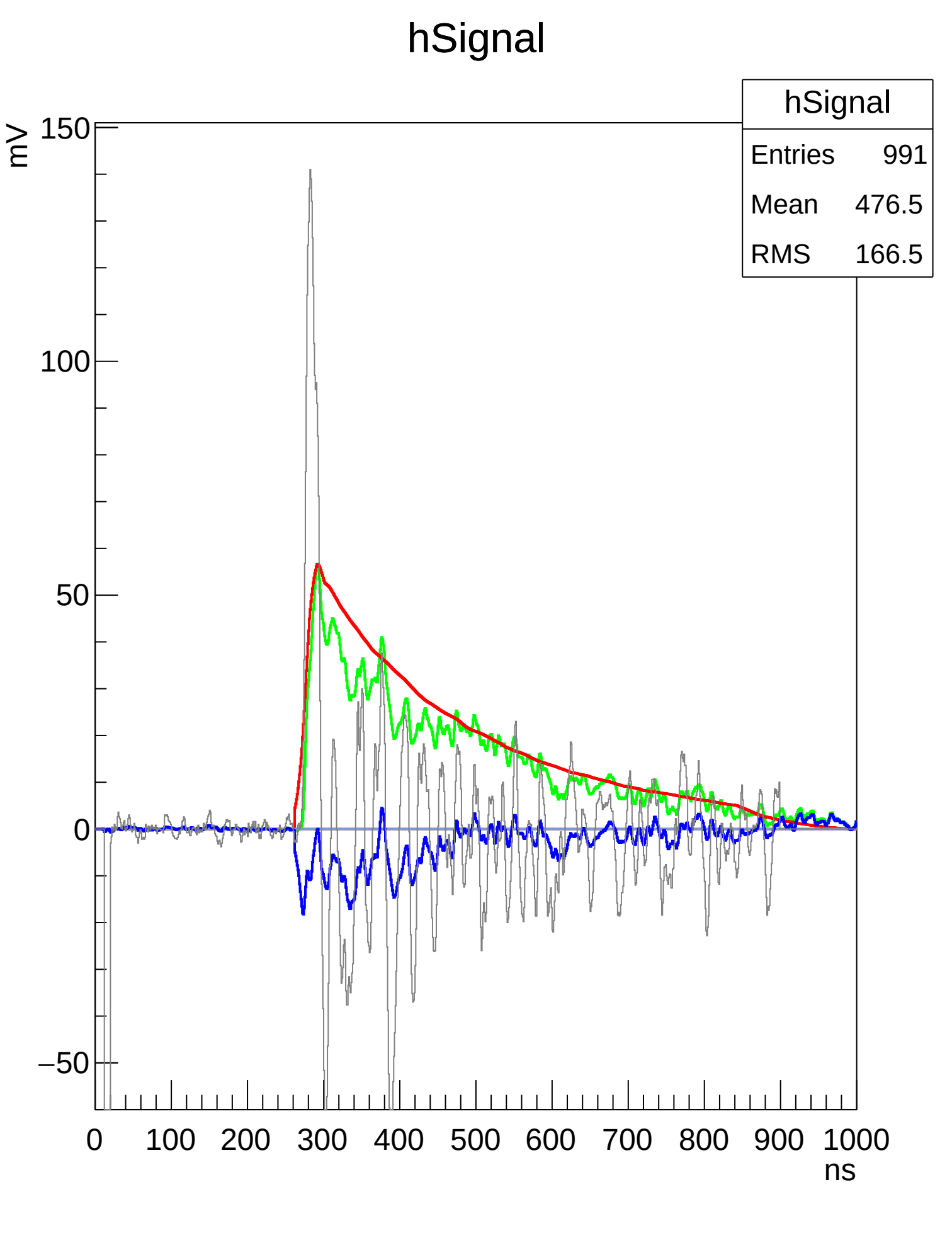

hSignal
hSignal
Entries 991
Mean 554.6
RMS 164.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

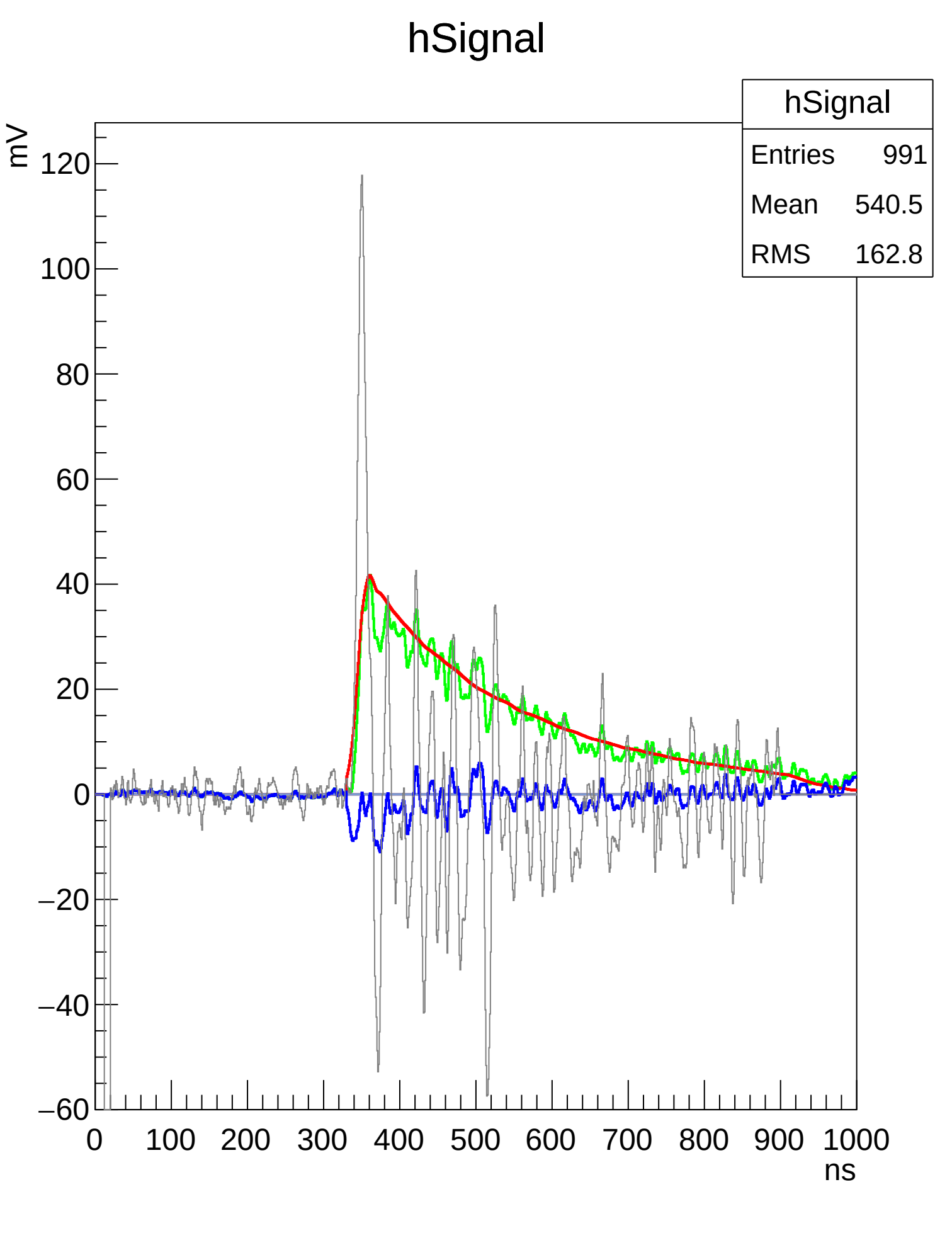

hSignal
hSignal
Entries 991
Mean 559.4
RMS 162.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

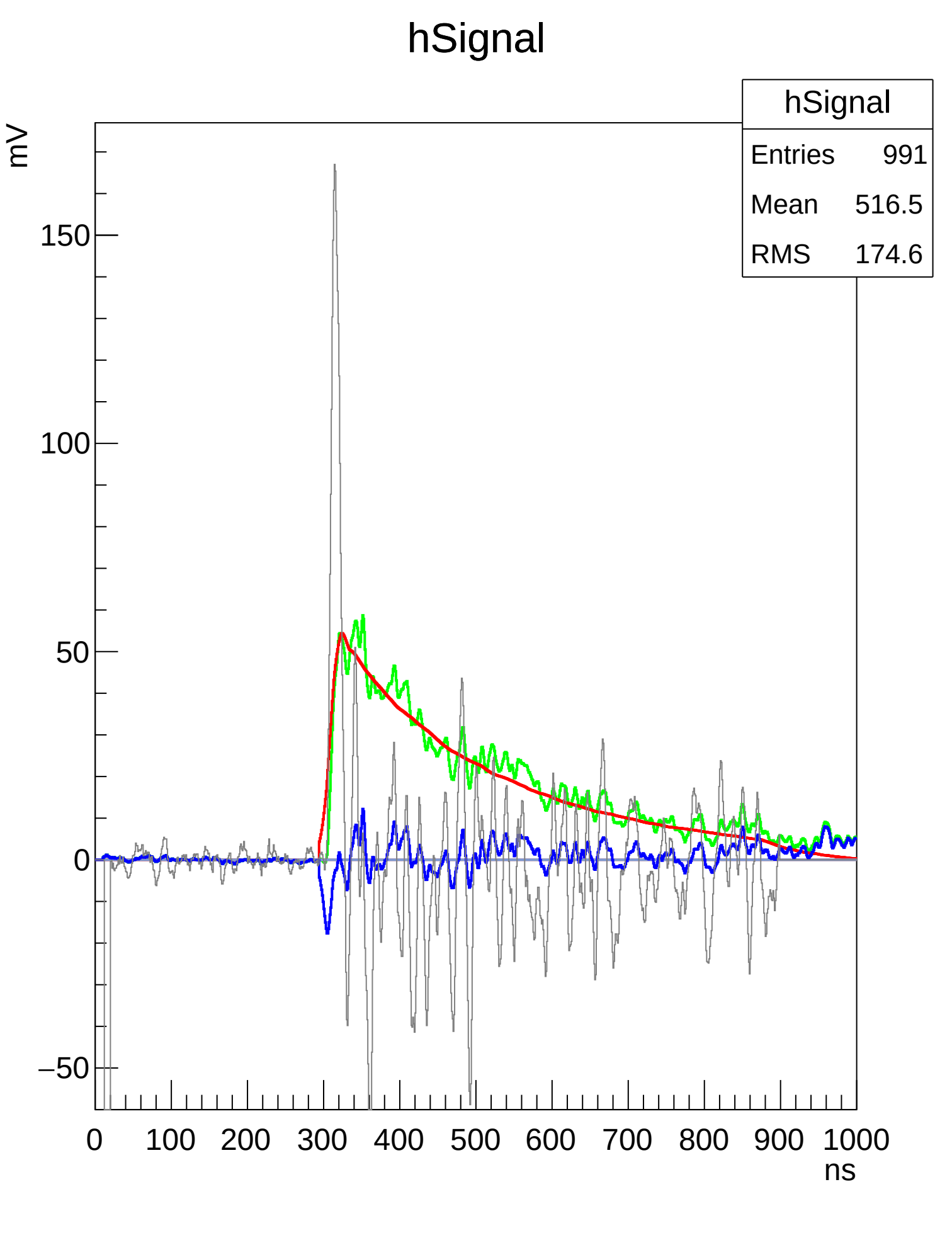

hSignal
hSignal
Entries 991
Mean 543.1
RMS 169
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

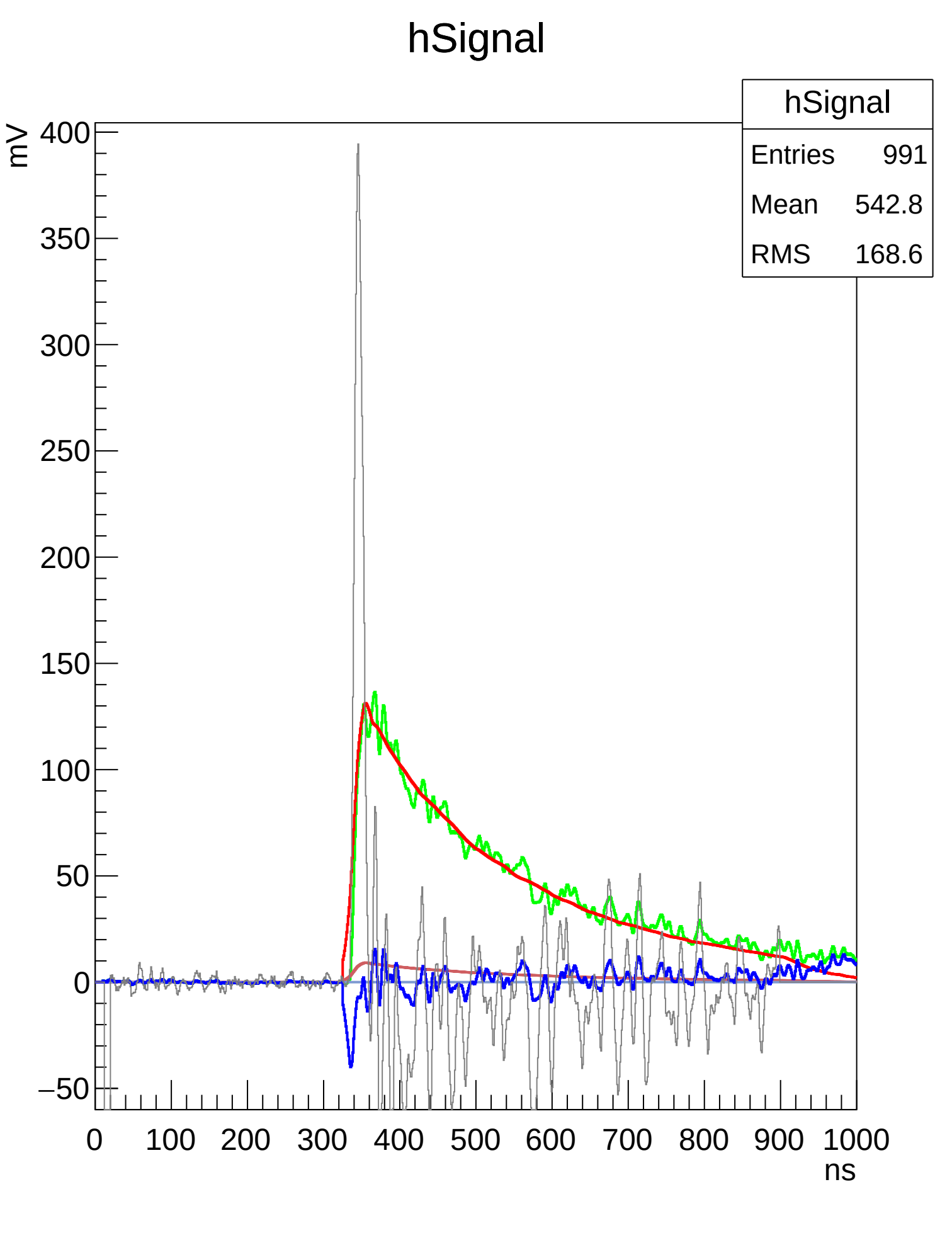

hSignal
hSignal
Entries 991
Mean 497.8
RMS 162.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

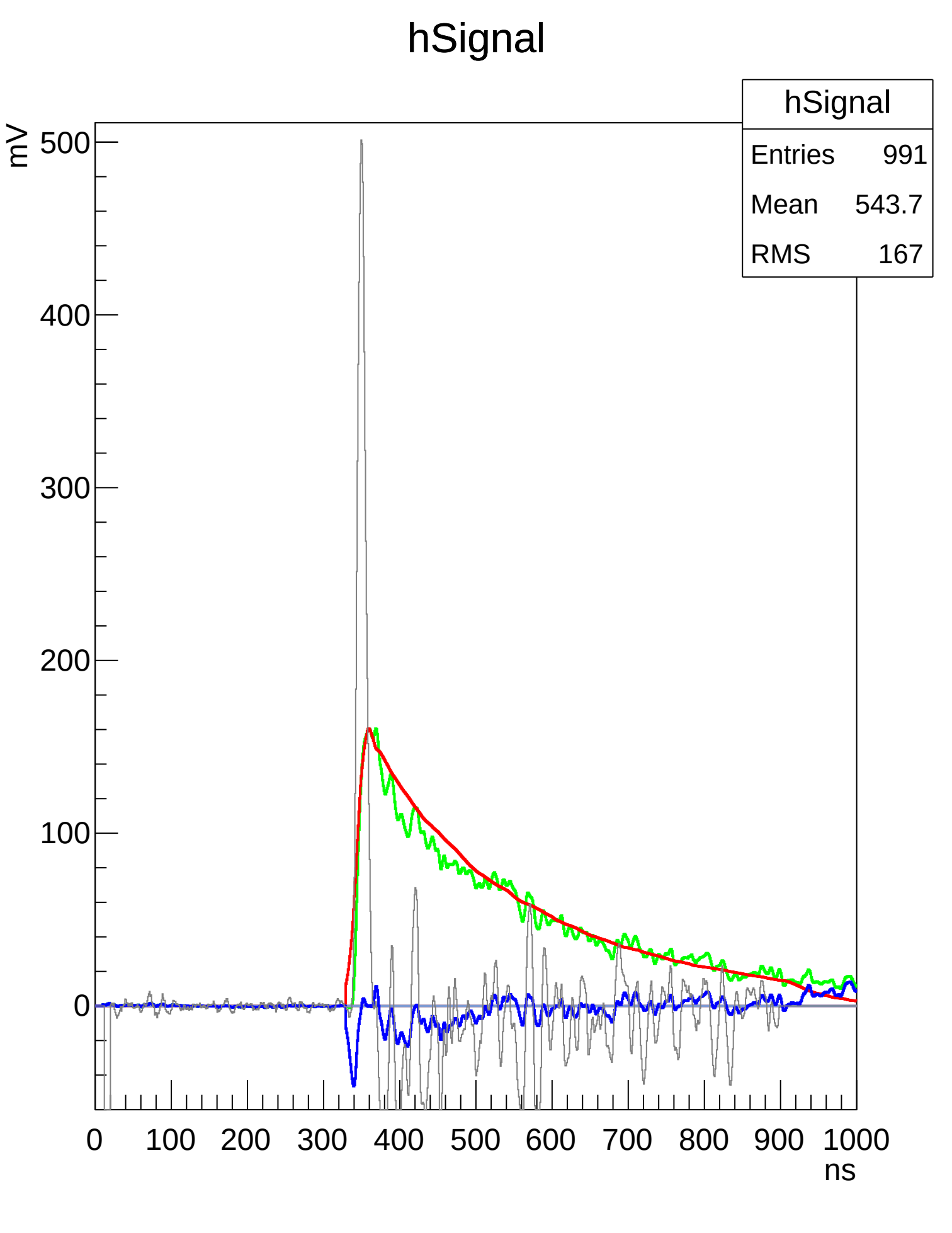

hSignal
hSignal
Entries 991
Mean 490.8
RMS 177.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

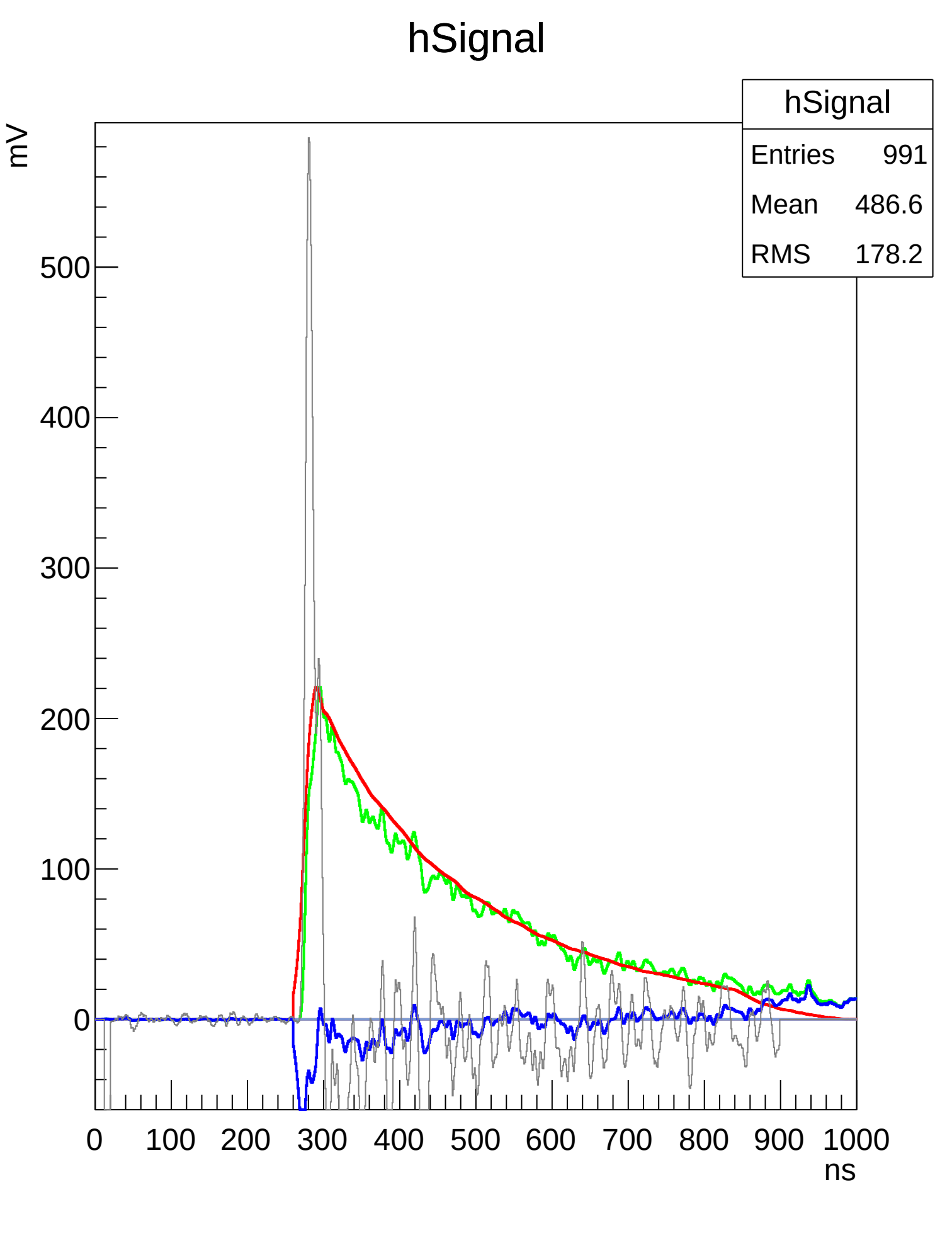

hSignal
hSignal
Entries 991
Mean 476.5
RMS 166.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

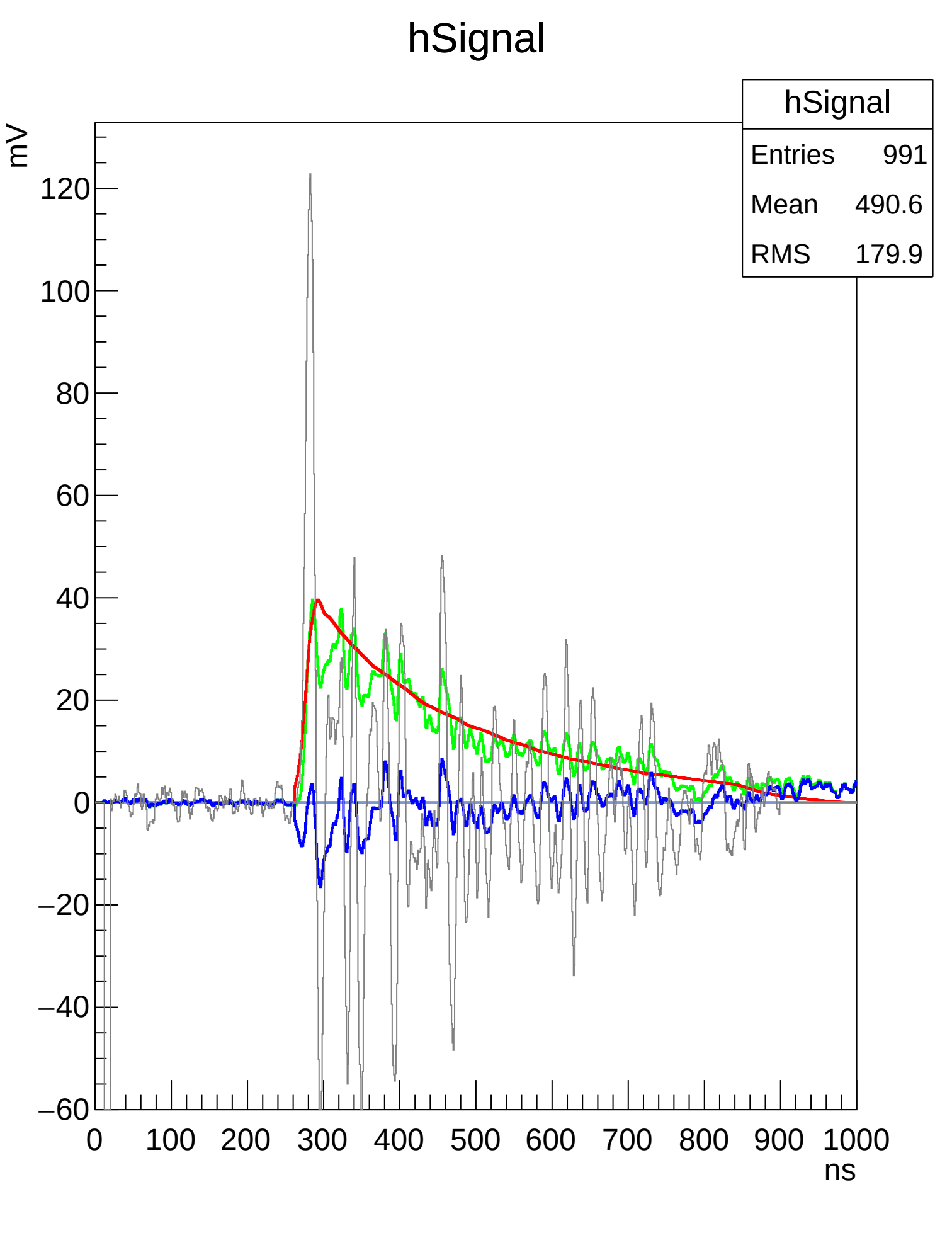

hSignal
hSignal
Entries 991
Mean 540.5
RMS 162.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

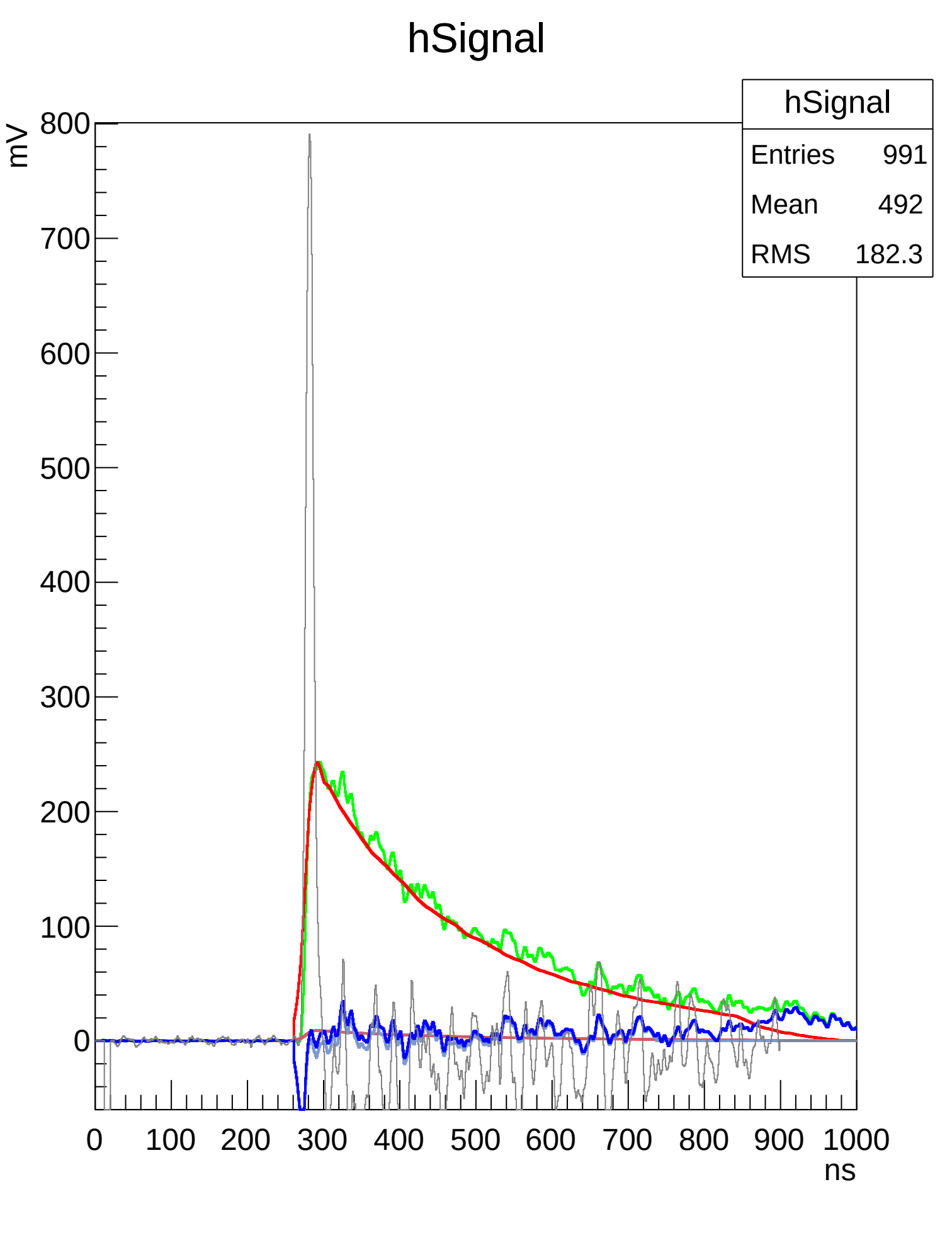

hSignal
hSignal
Entries 991
Mean 516.5
RMS 174.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

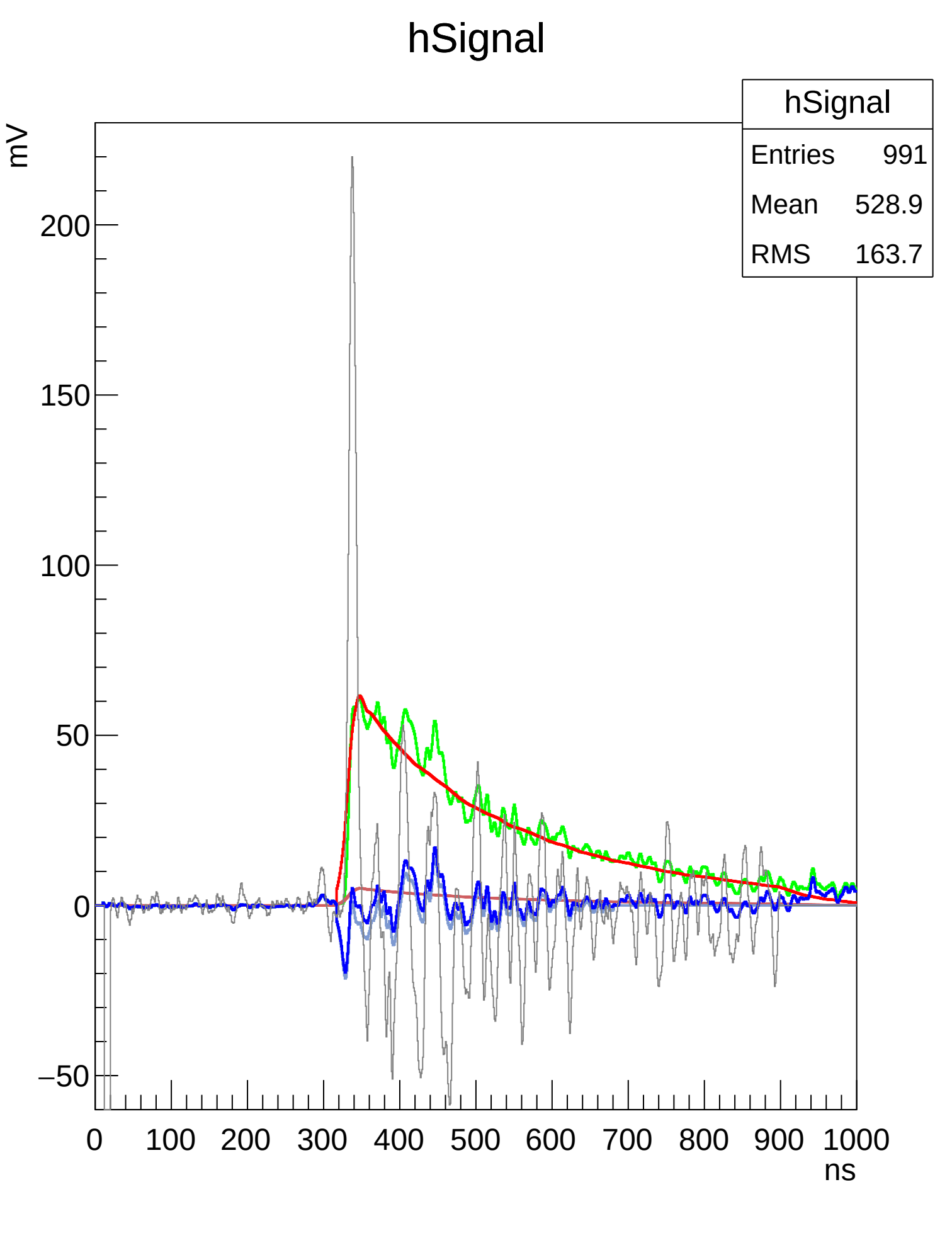

hSignal
hSignal
Entries 991
Mean 542.8
RMS 168.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

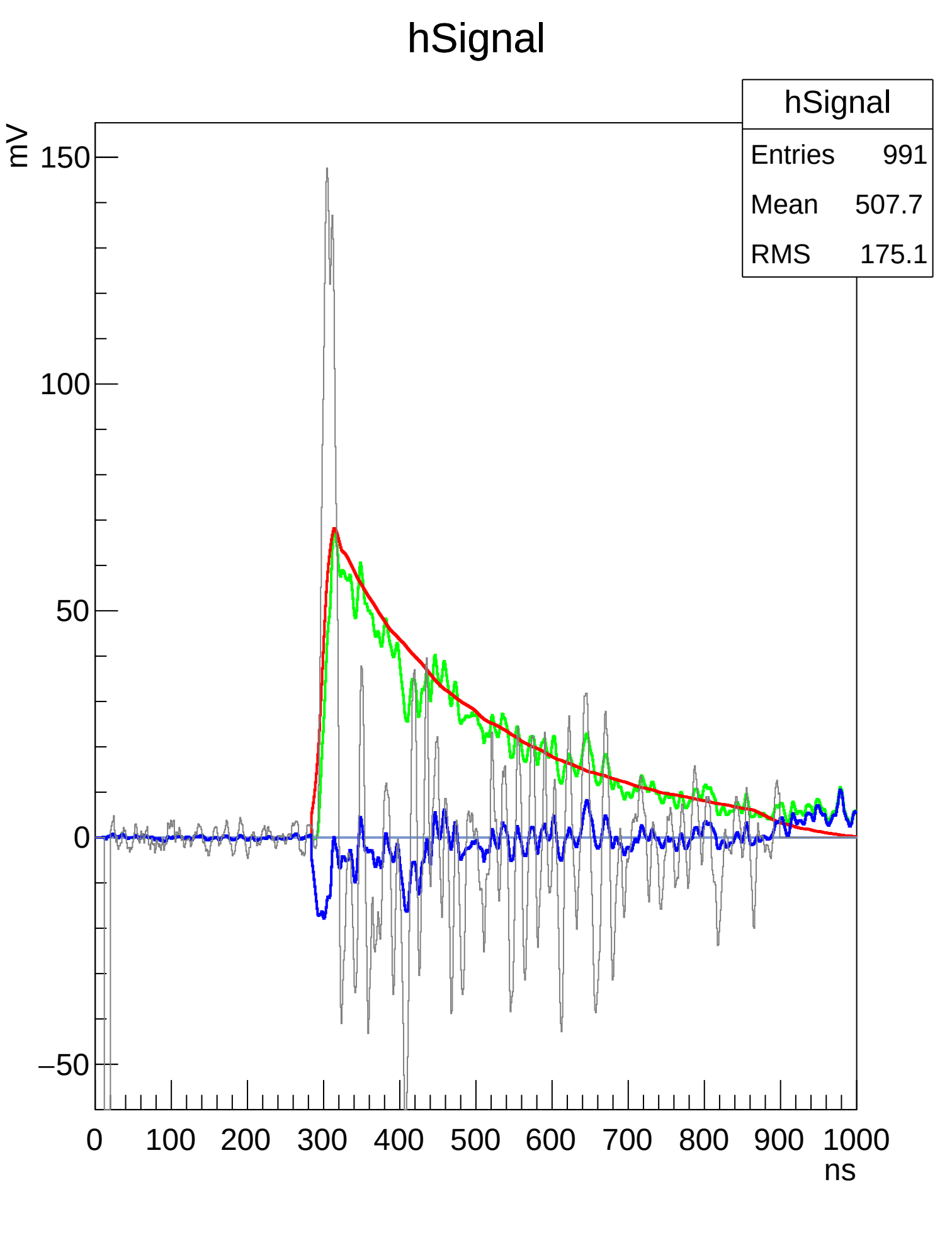

hSignal
hSignal
Entries 991
Mean 543.7
RMS 167
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

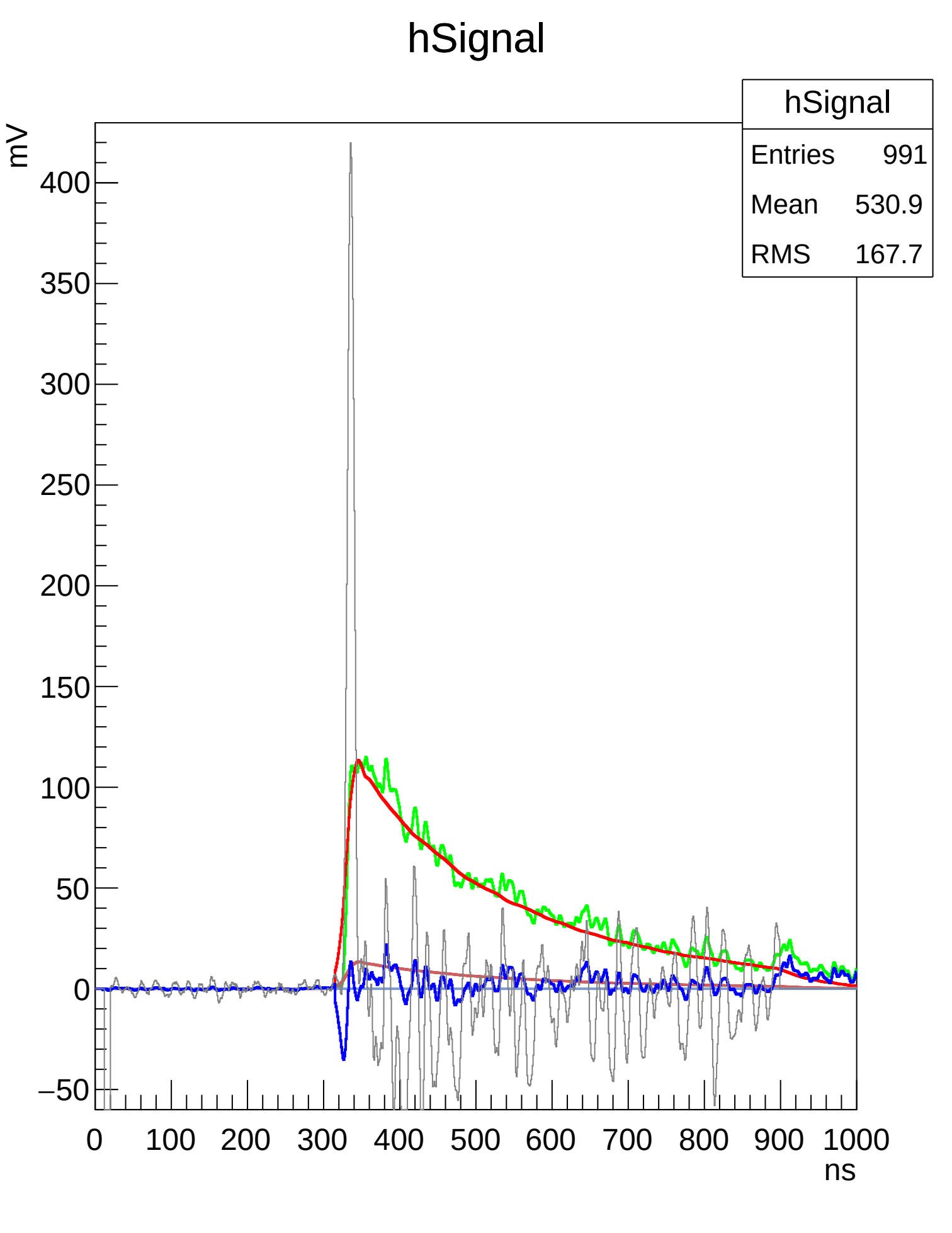

hSignal
hSignal
Entries 991
Mean 486.6
RMS 178.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

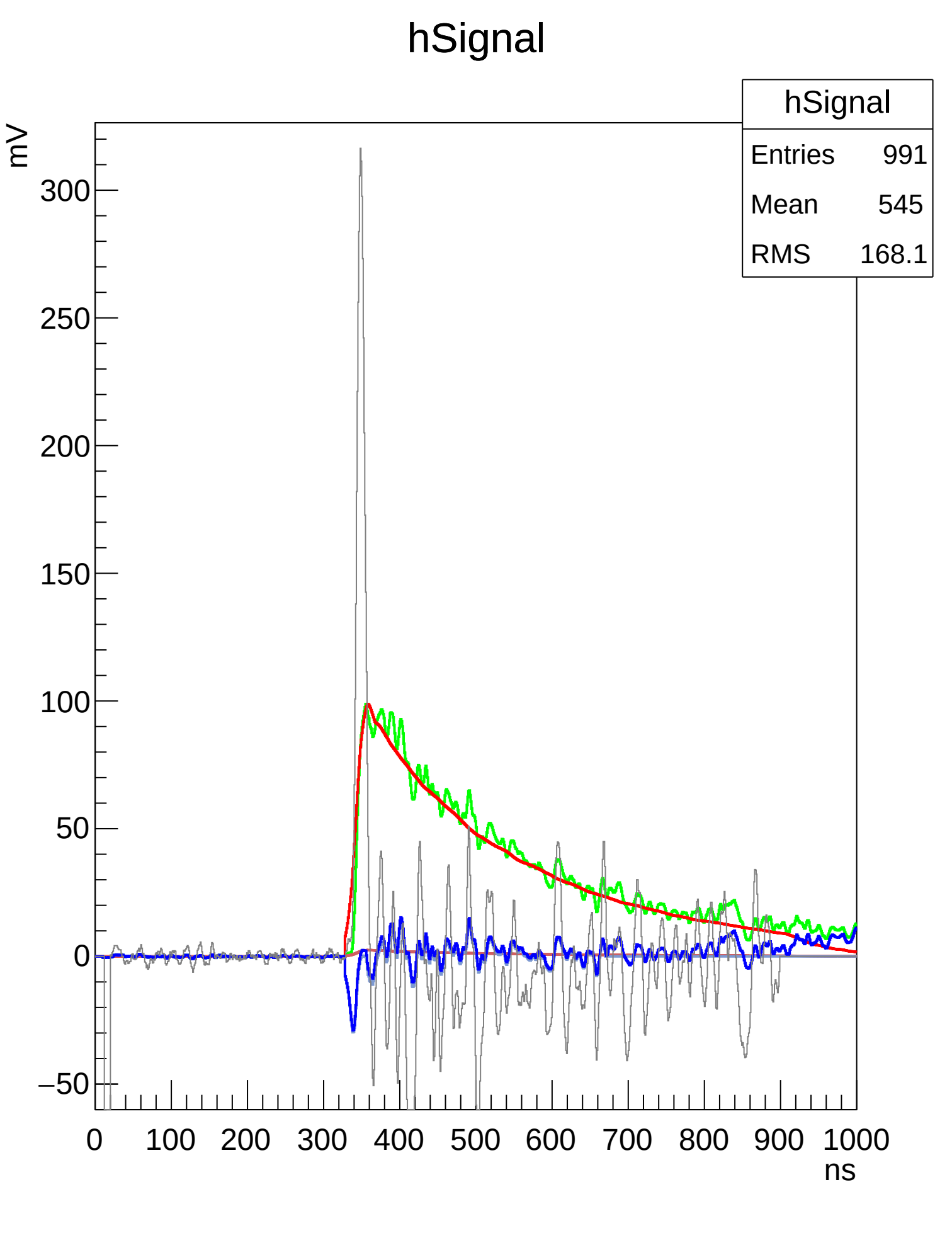

hSignal
hSignal
Entries 991
Mean 490.6
RMS 179.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

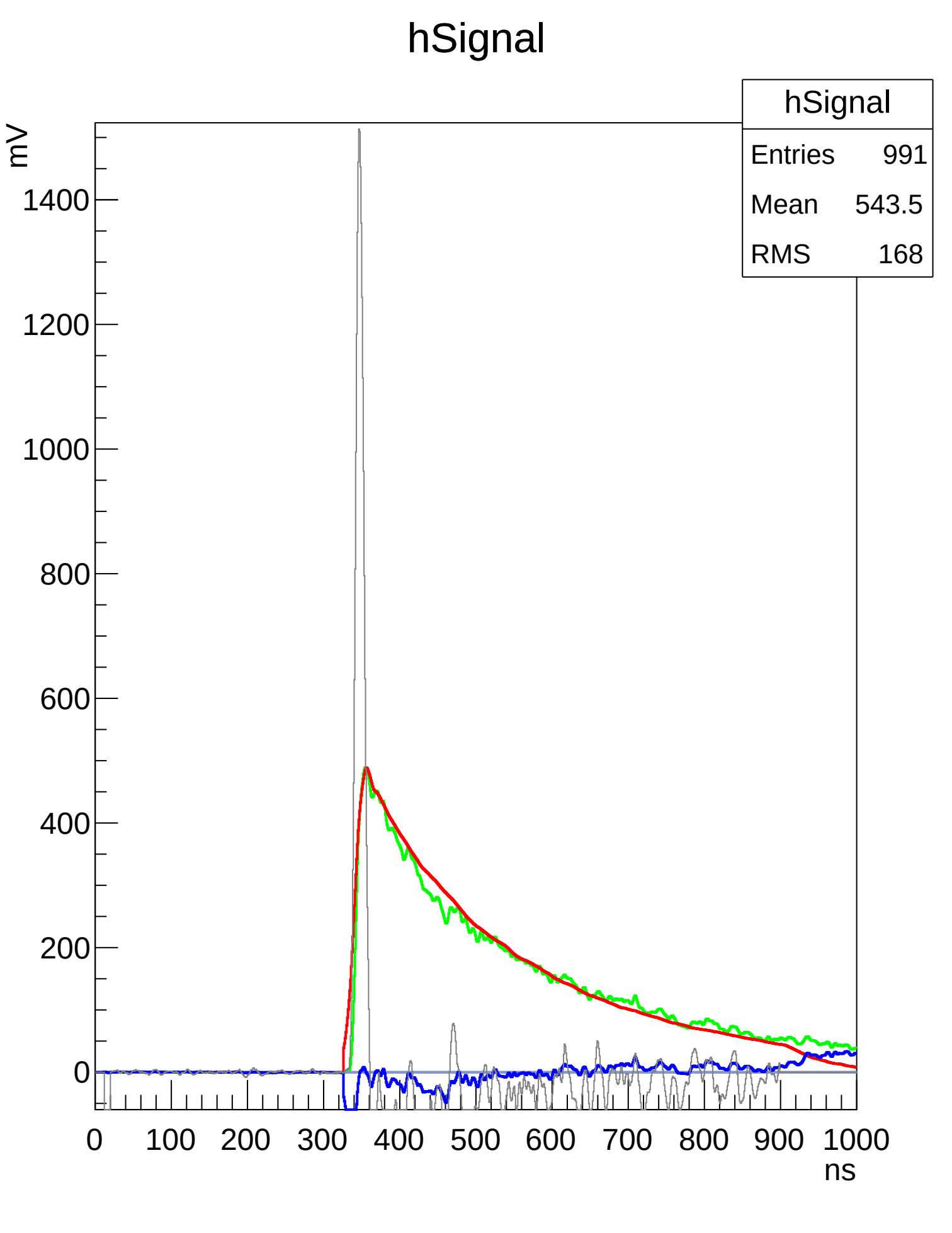

hSignal
hSignal
Entries 991
Mean 492
RMS 182.3
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

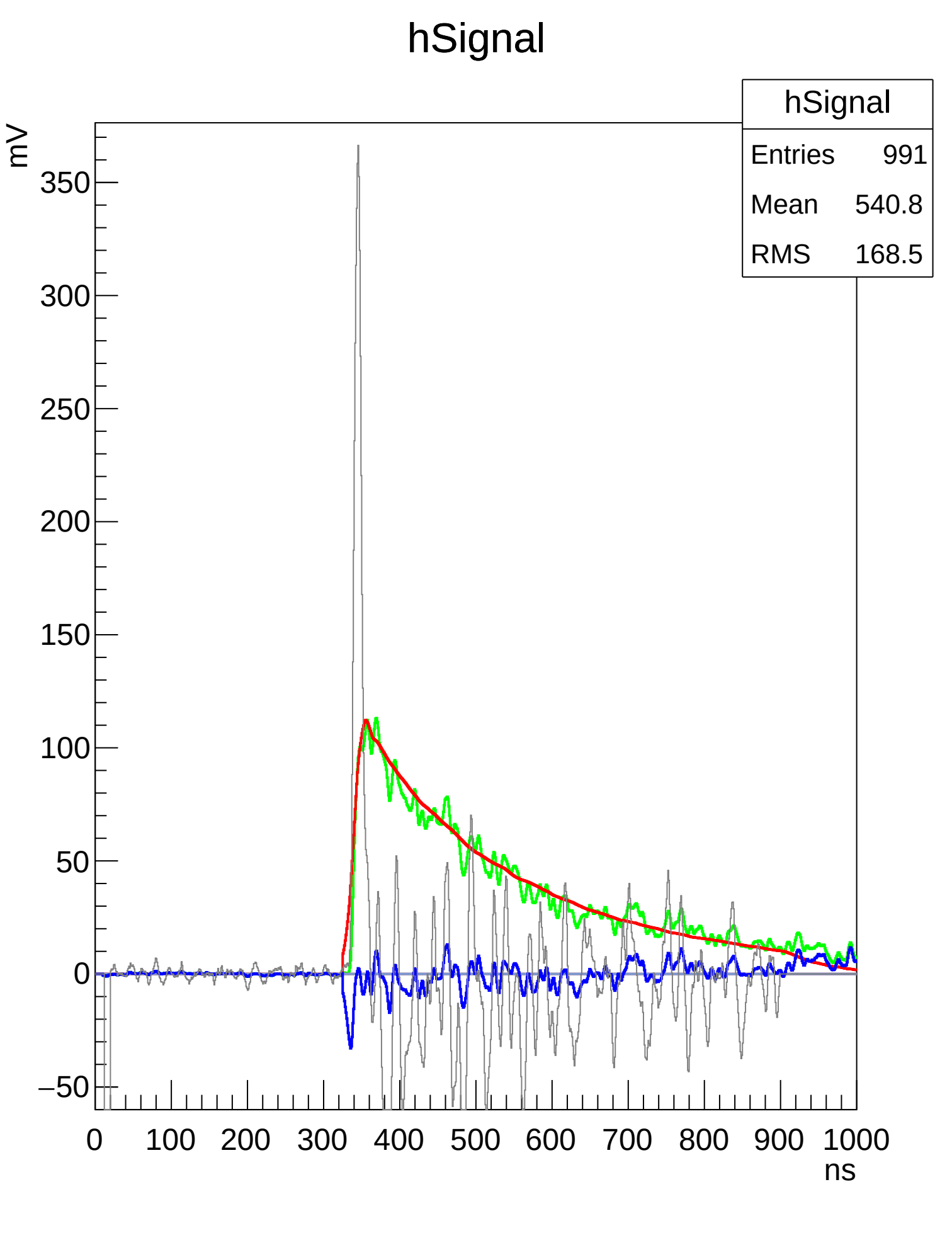

hSignal
hSignal
Entries 991
Mean 528.9
RMS 163.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

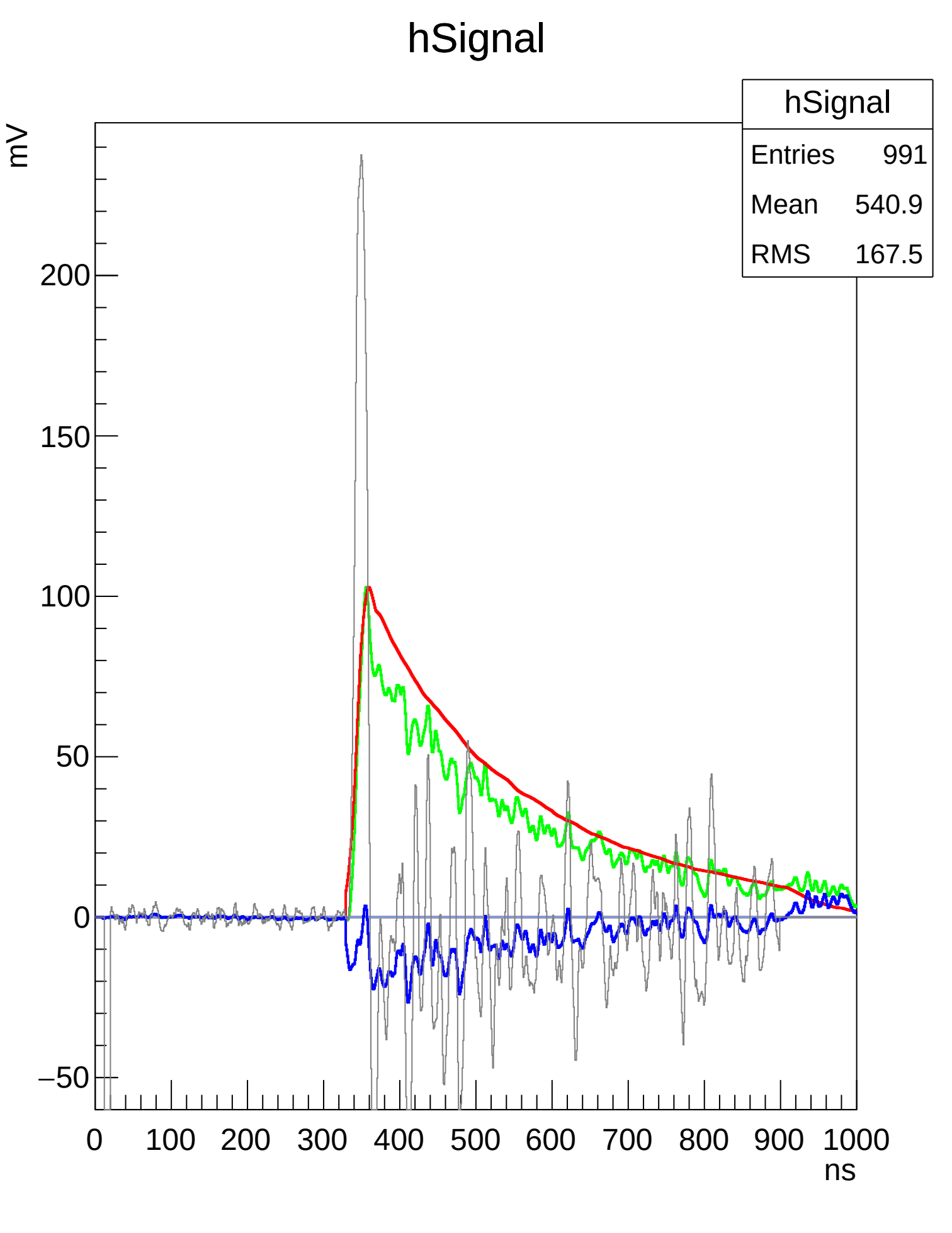

hSignal
hSignal
Entries 991
Mean 507.7
RMS 175.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

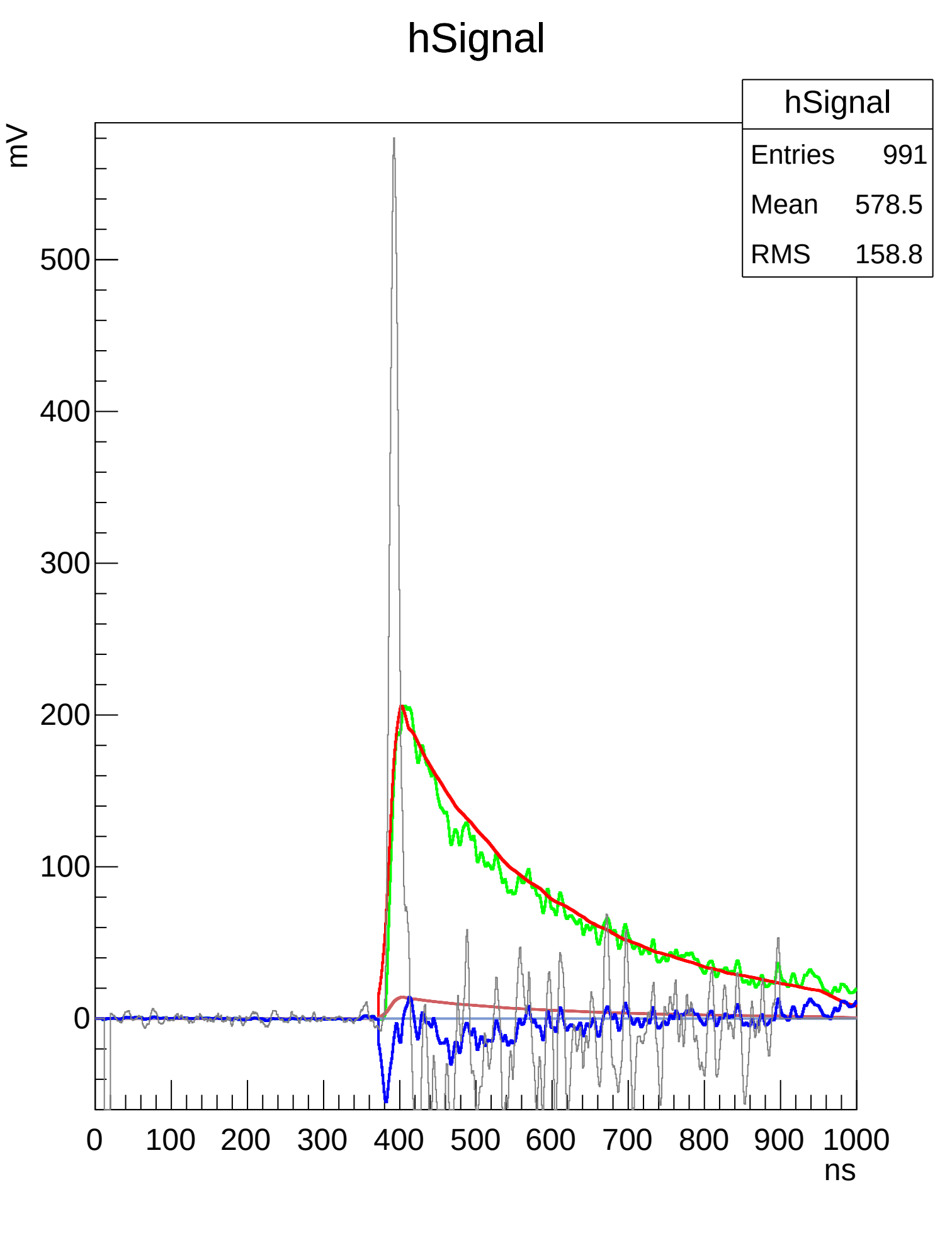

hSignal
hSignal
Entries 991
Mean 530.9
RMS 167.7
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

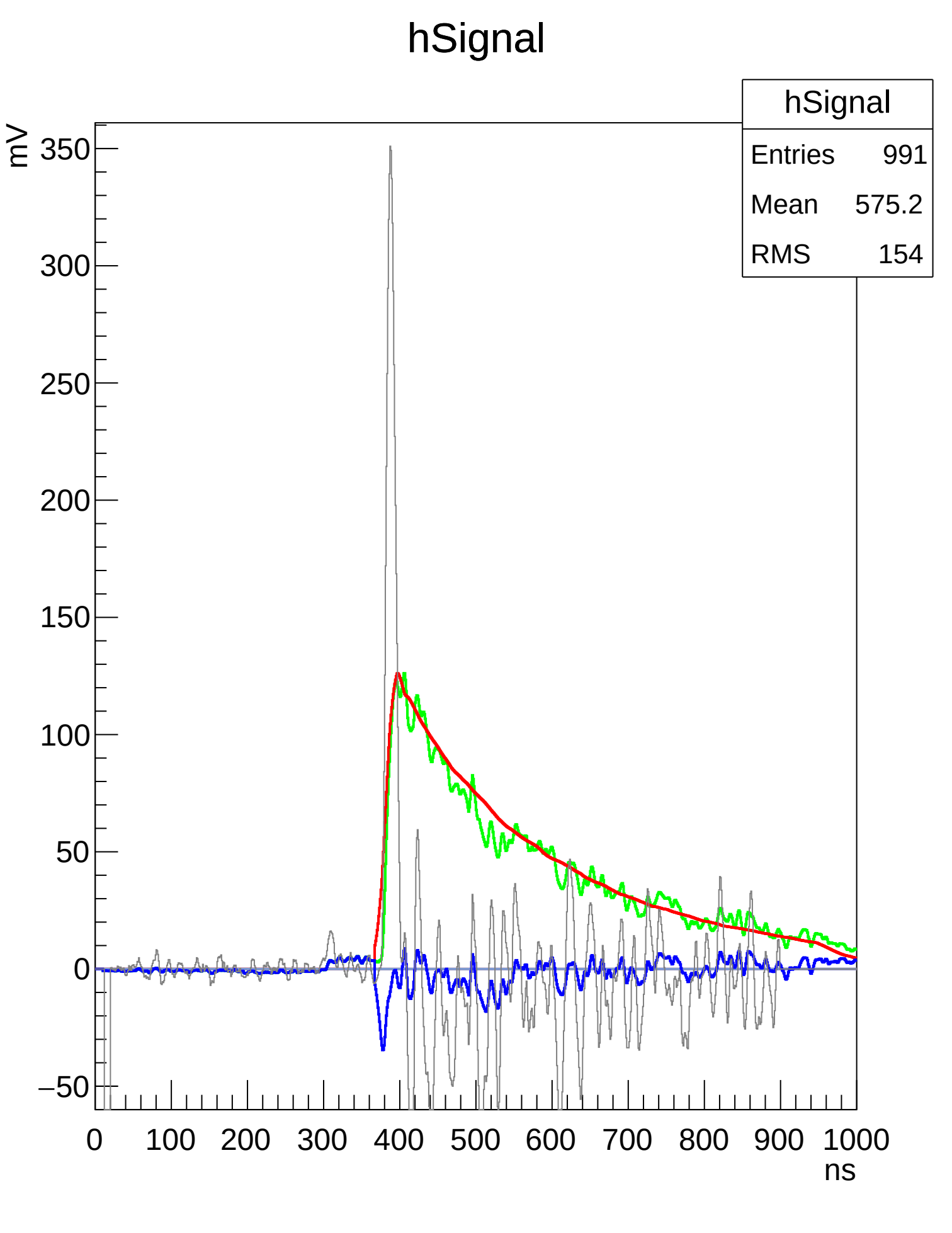

hSignal
hSignal
Entries 991
Mean 545
RMS 168.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

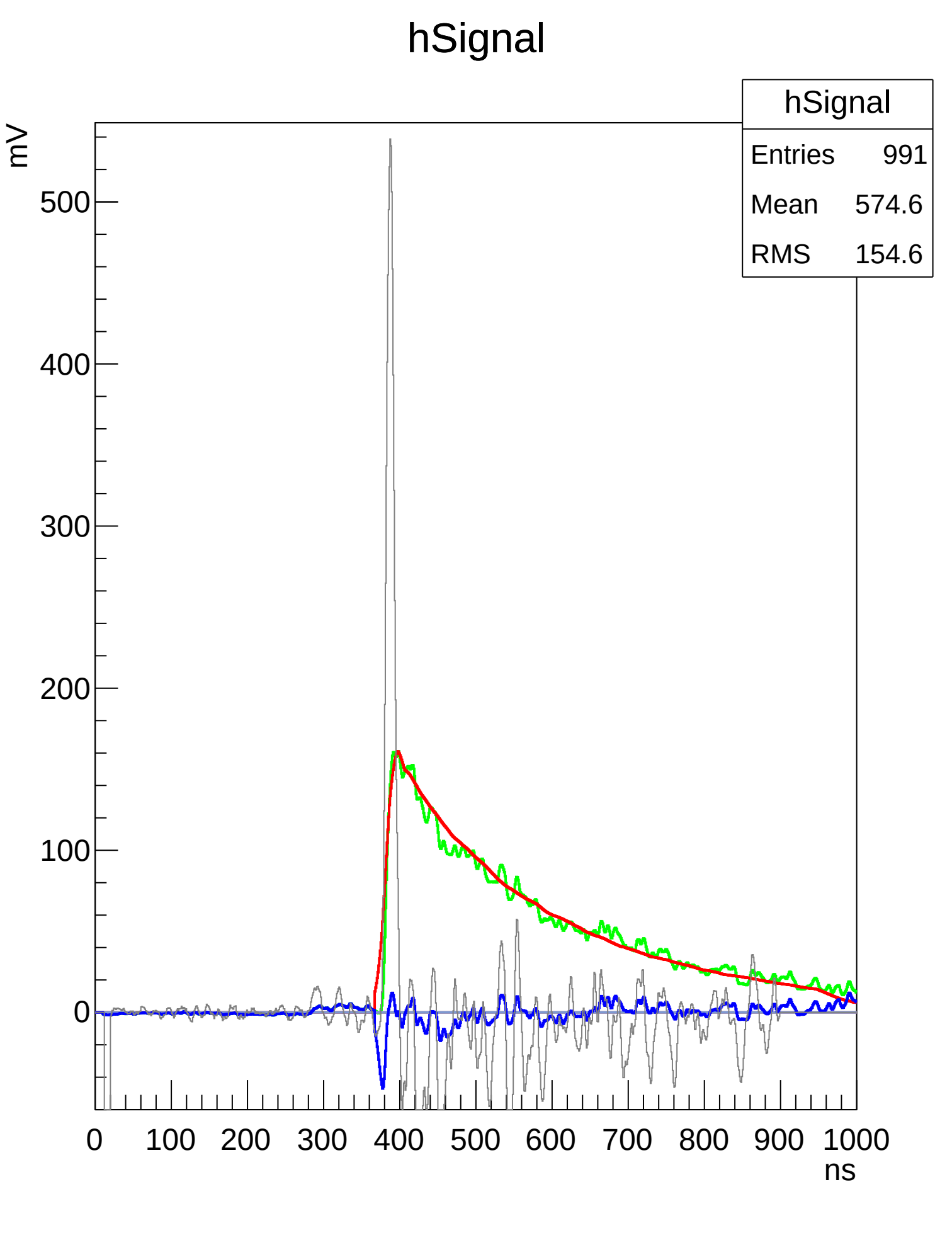

hSignal
hSignal
Entries 991
Mean 543.5
RMS 168
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

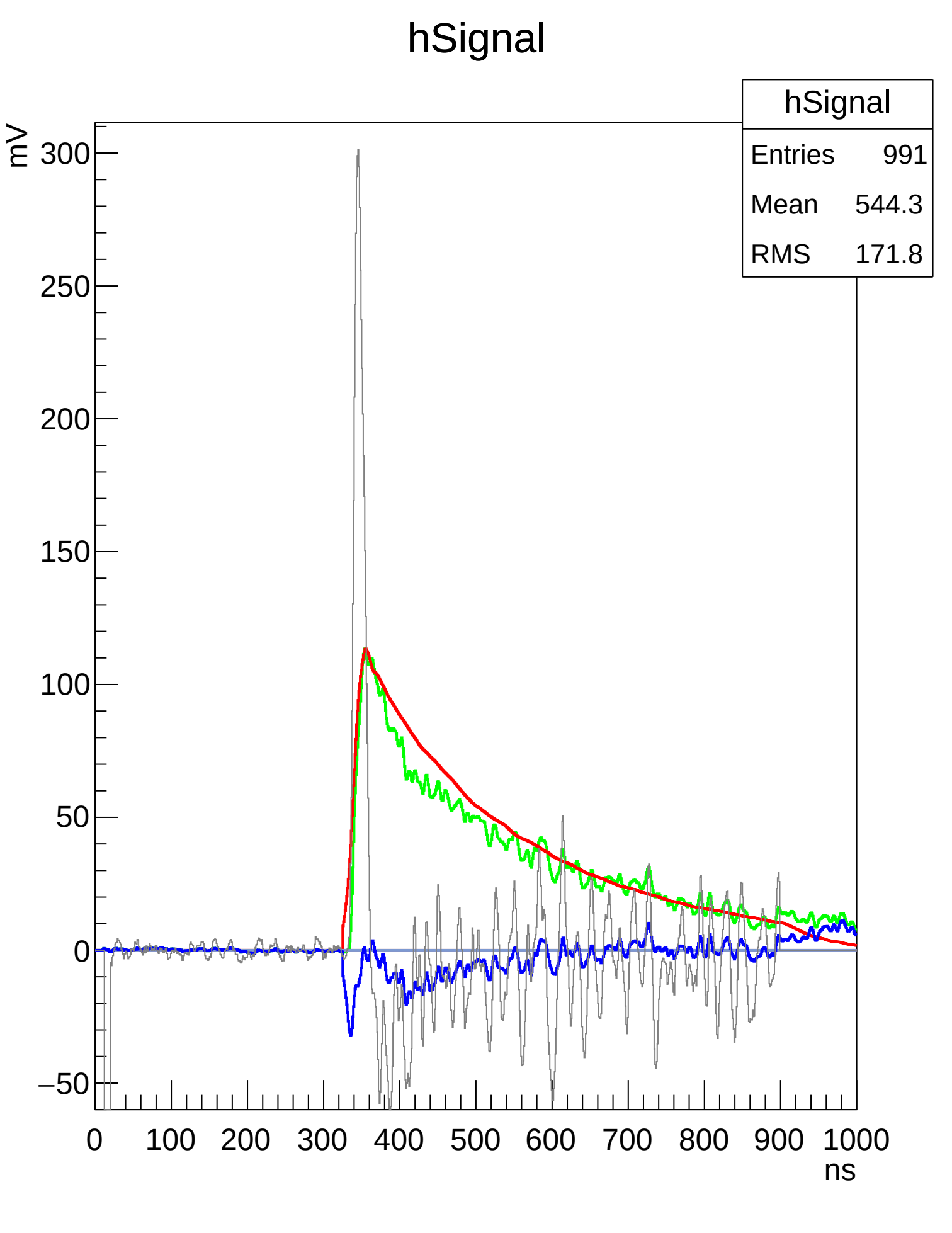

hSignal
hSignal
Entries 991
Mean 540.8
RMS 168.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

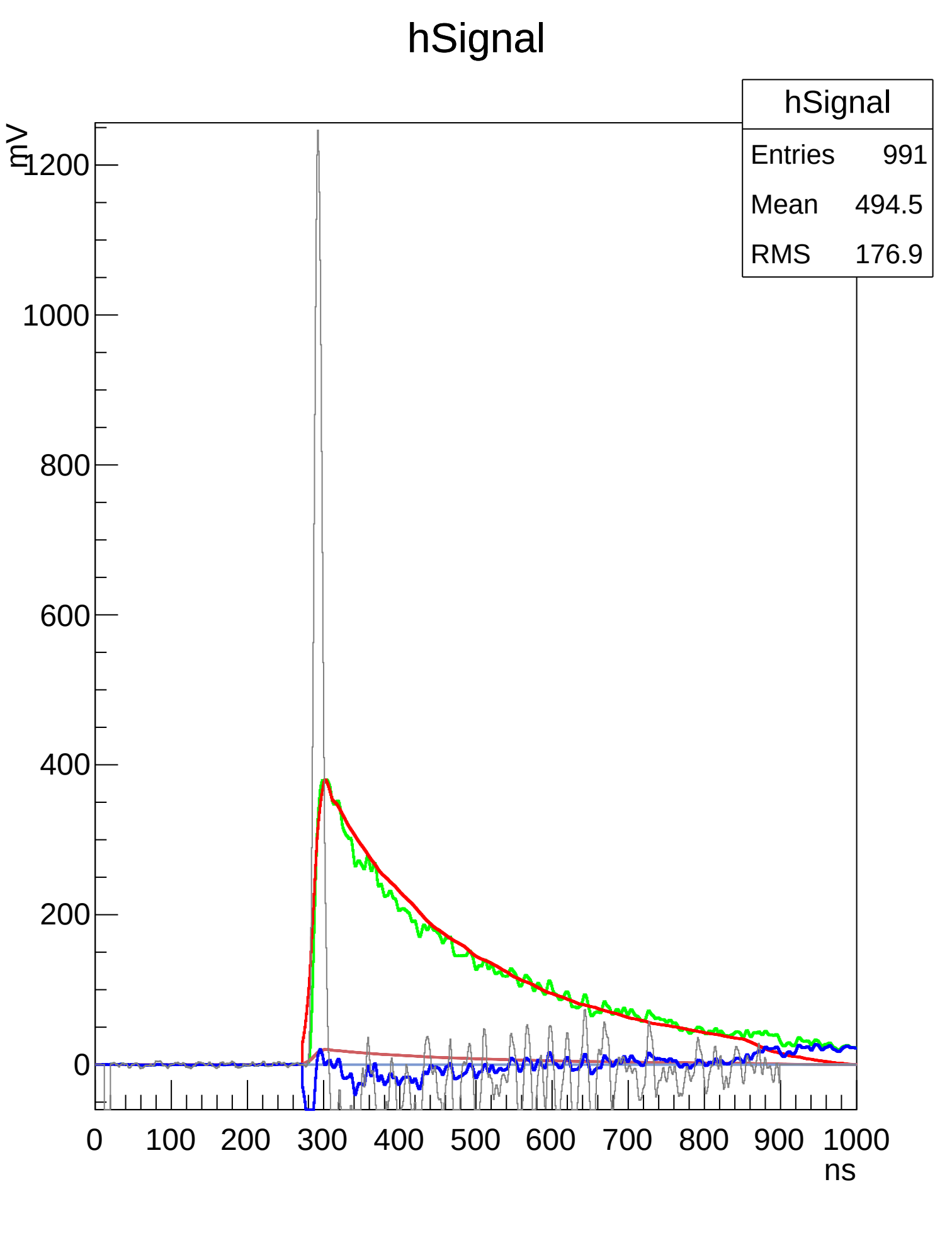

hSignal
hSignal
Entries 991
Mean 540.9
RMS 167.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

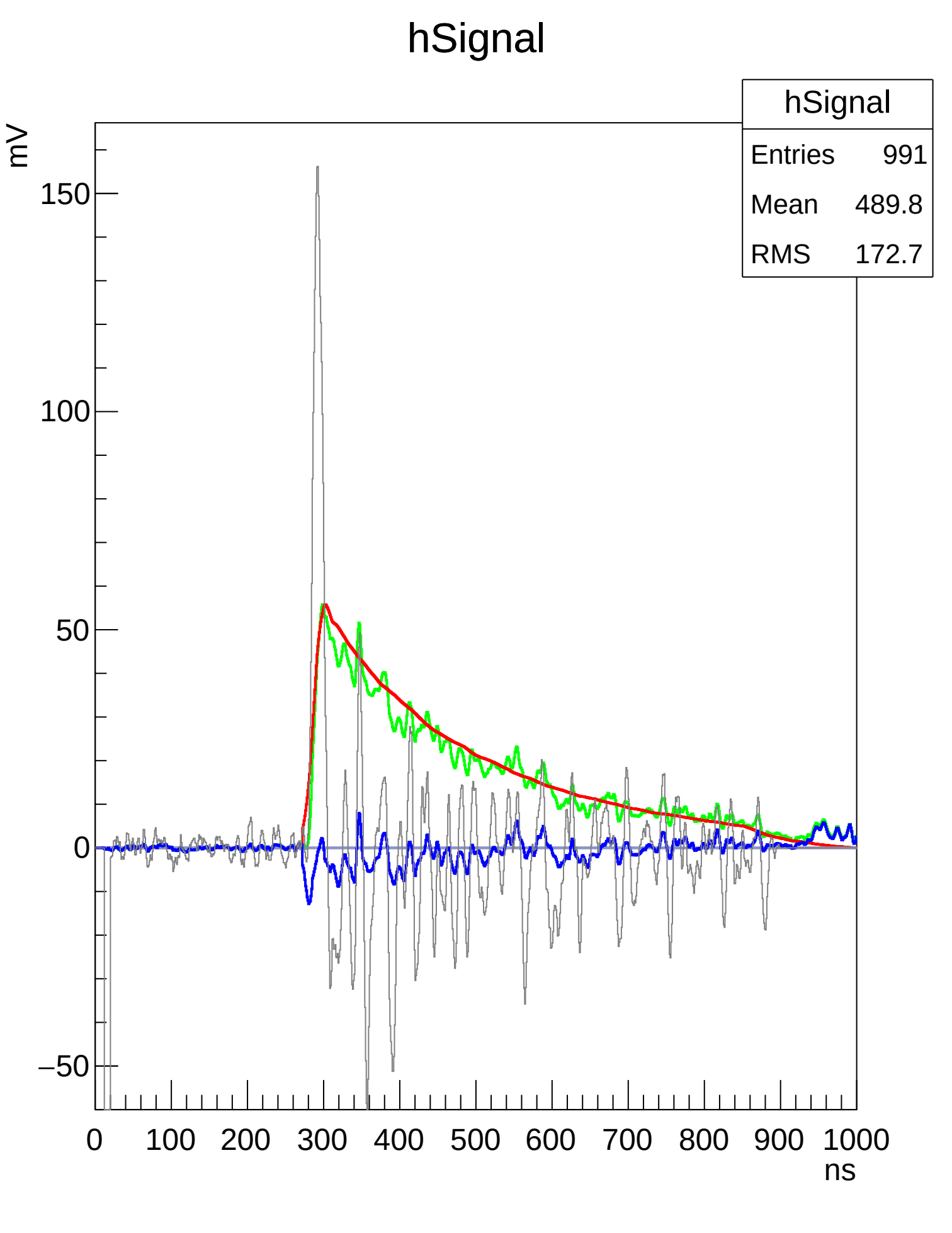

hSignal
hSignal
Entries 991
Mean 578.5
RMS 158.8
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

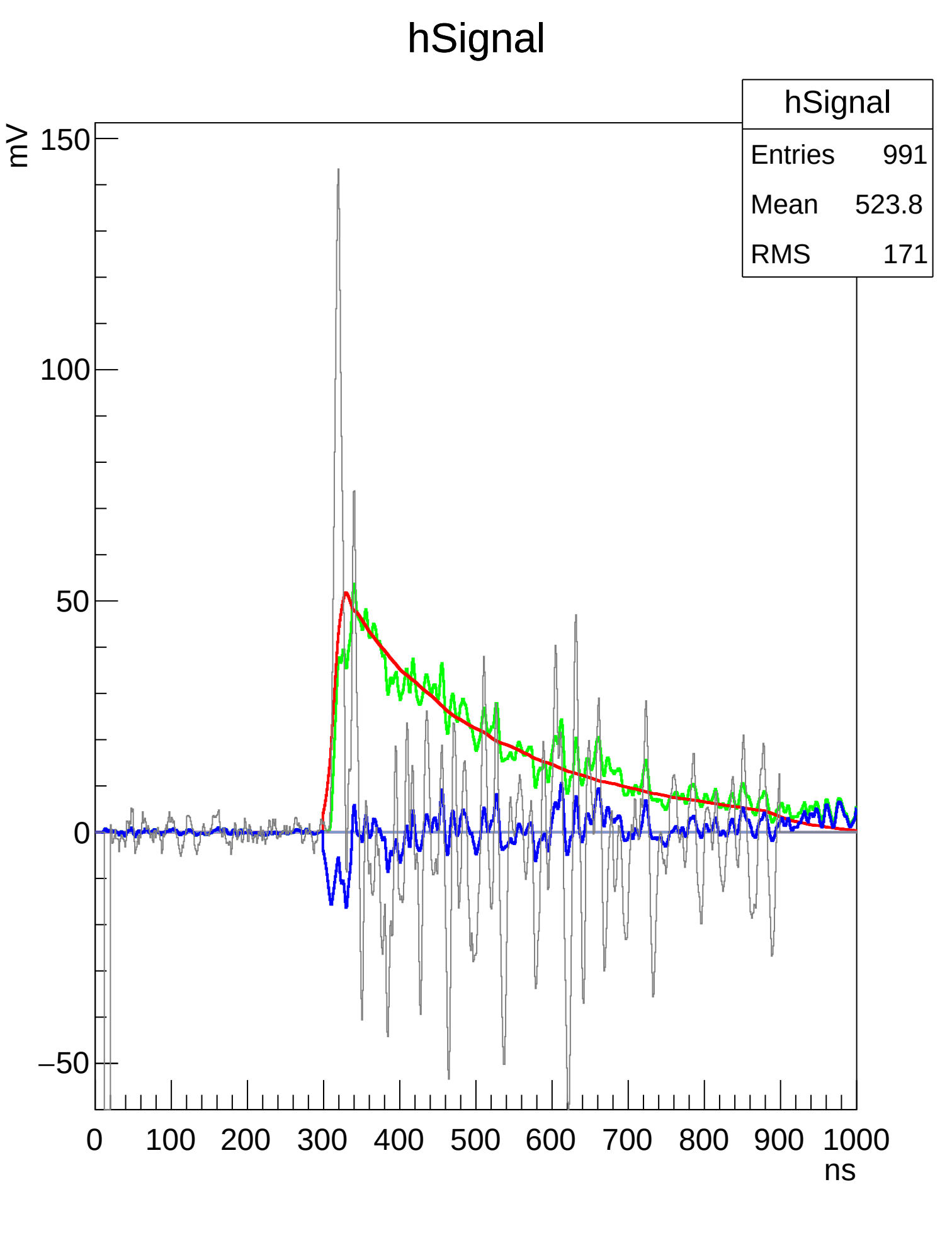

hSignal
hSignal
Entries 991
Mean 575.2
RMS 154
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

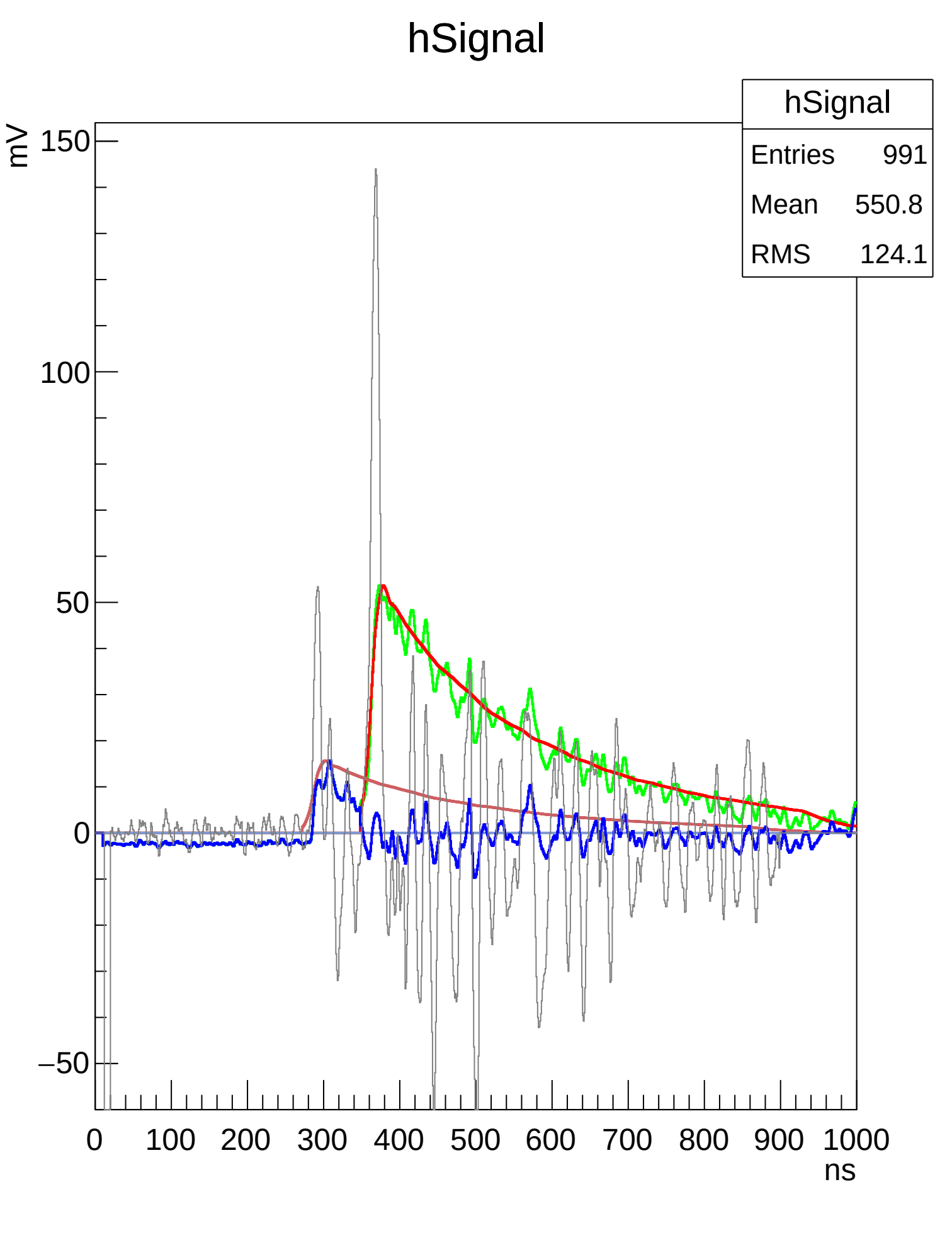

hSignal
hSignal
Entries 991
Mean 574.6
RMS 154.6
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

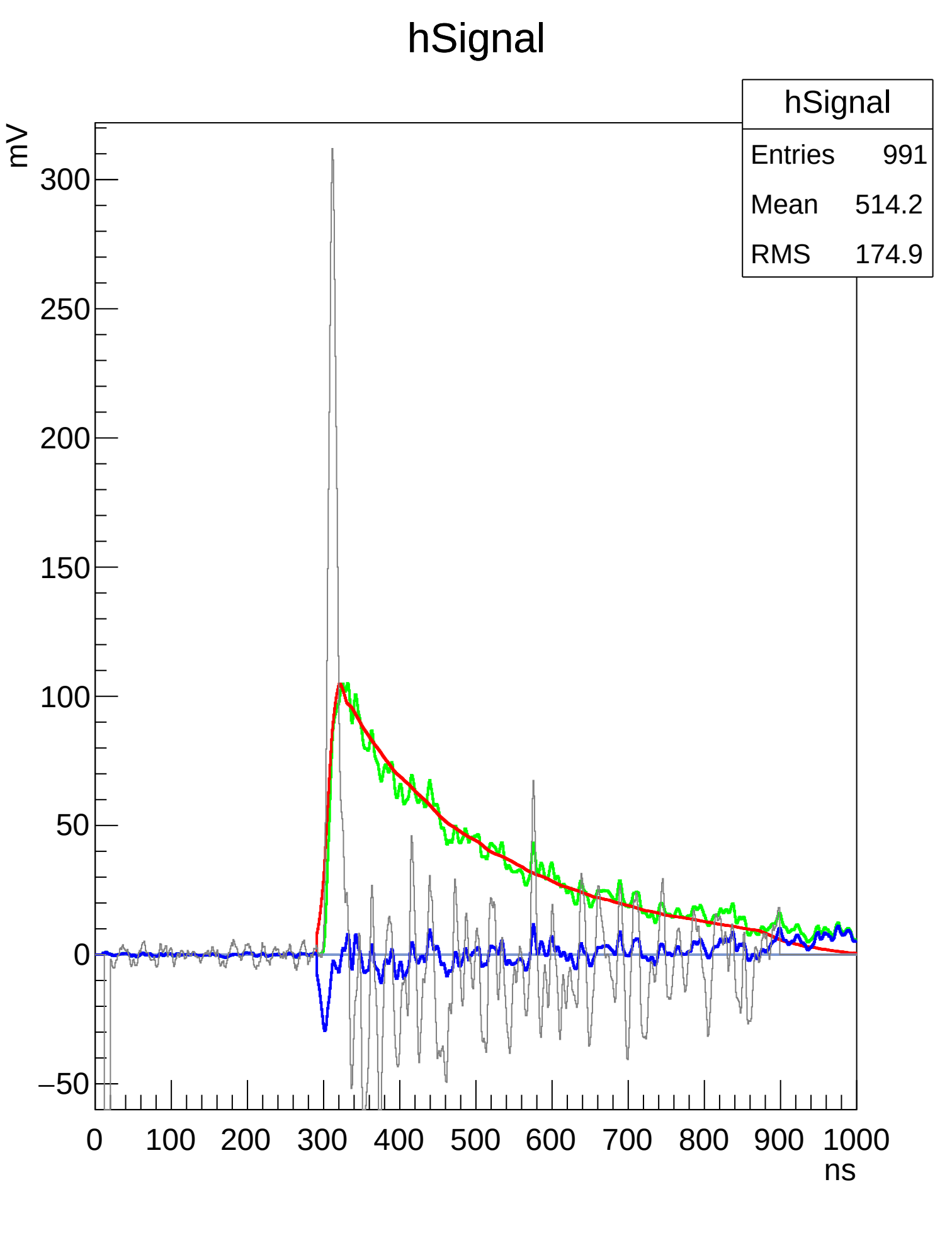

hSignal
hSignal
Entries 991
Mean 544.3
RMS 171.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

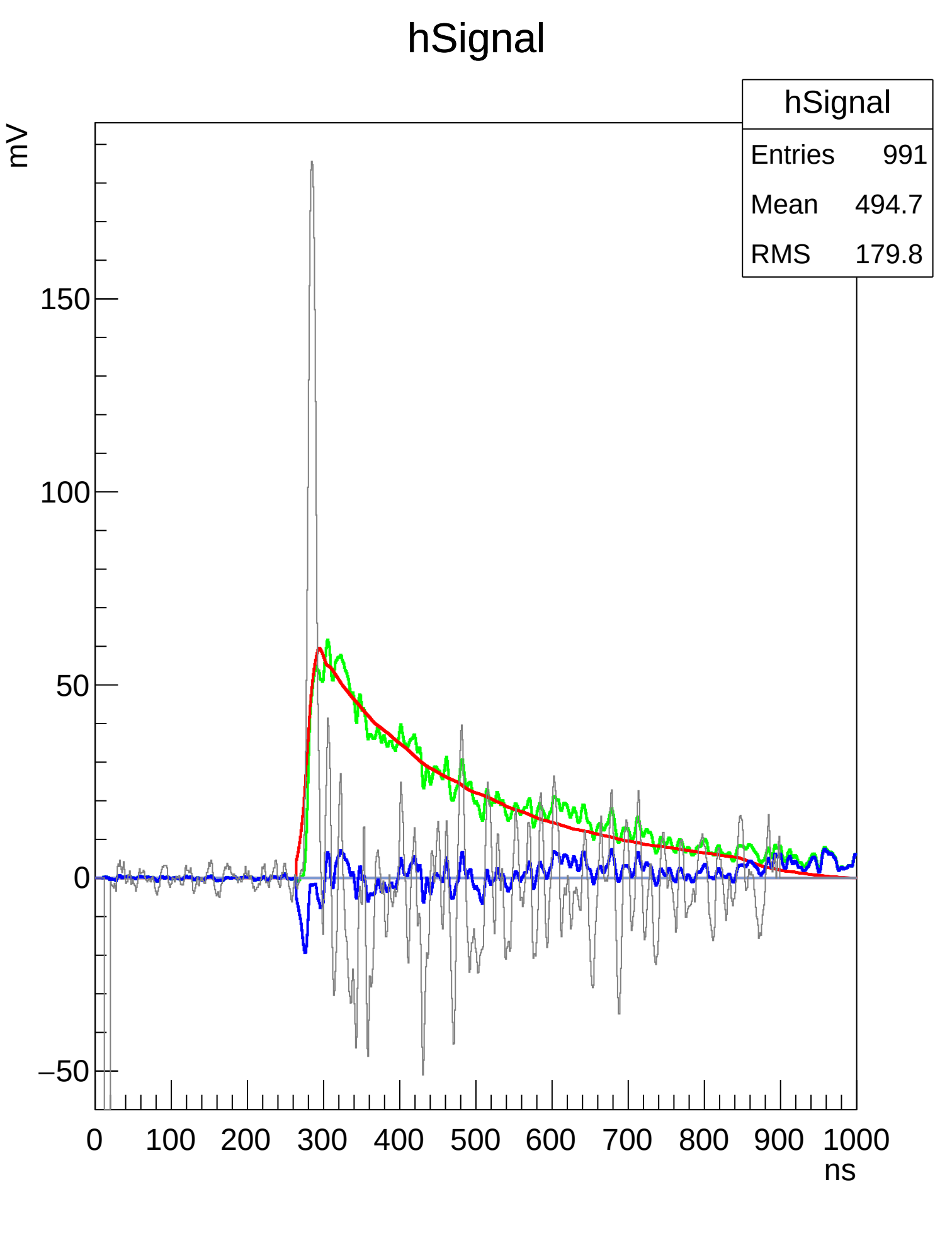

hSignal
hSignal
Entries 991
Mean 494.5
RMS 176.9
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

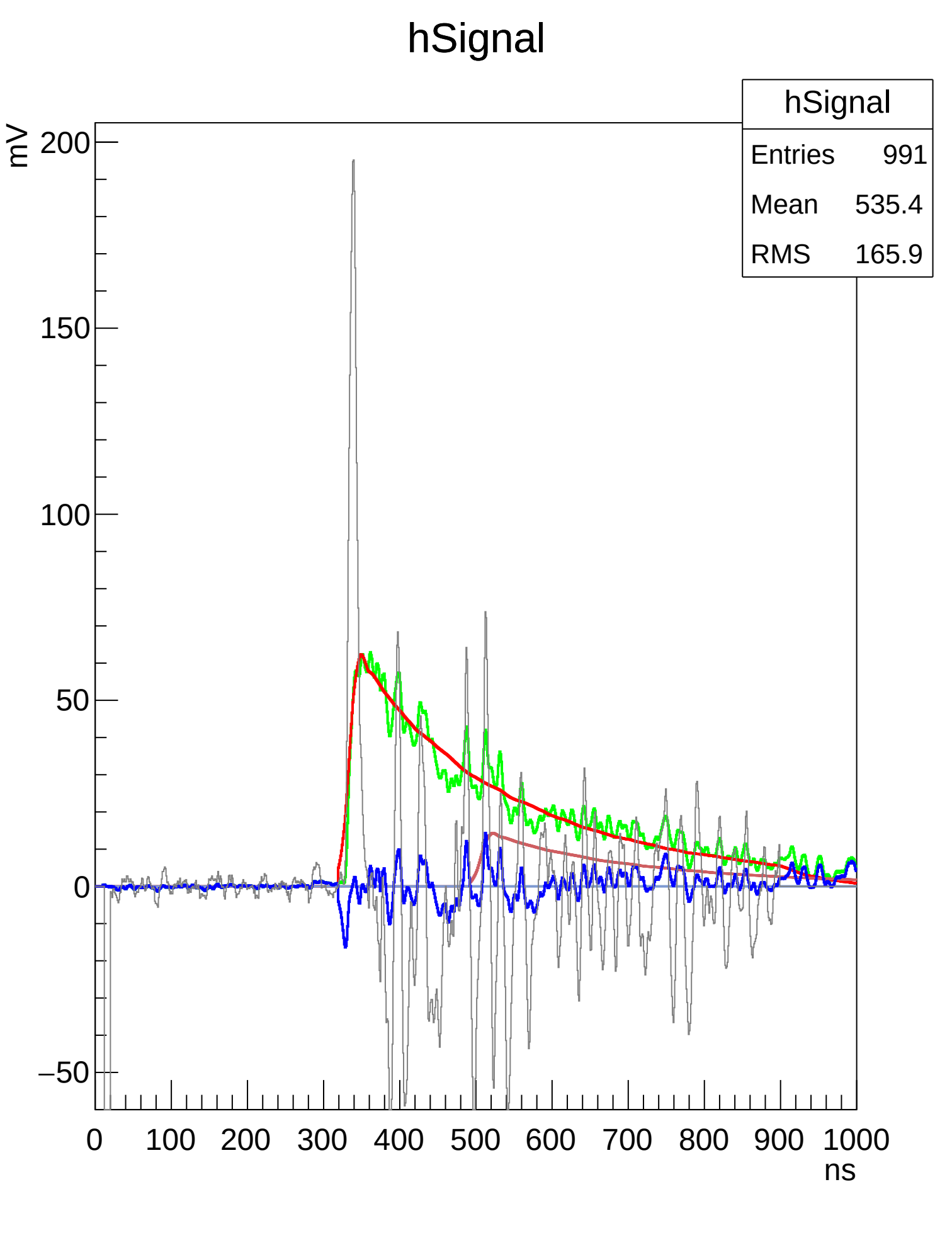

hSignal
hSignal
Entries 991
Mean 489.8
RMS 172.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

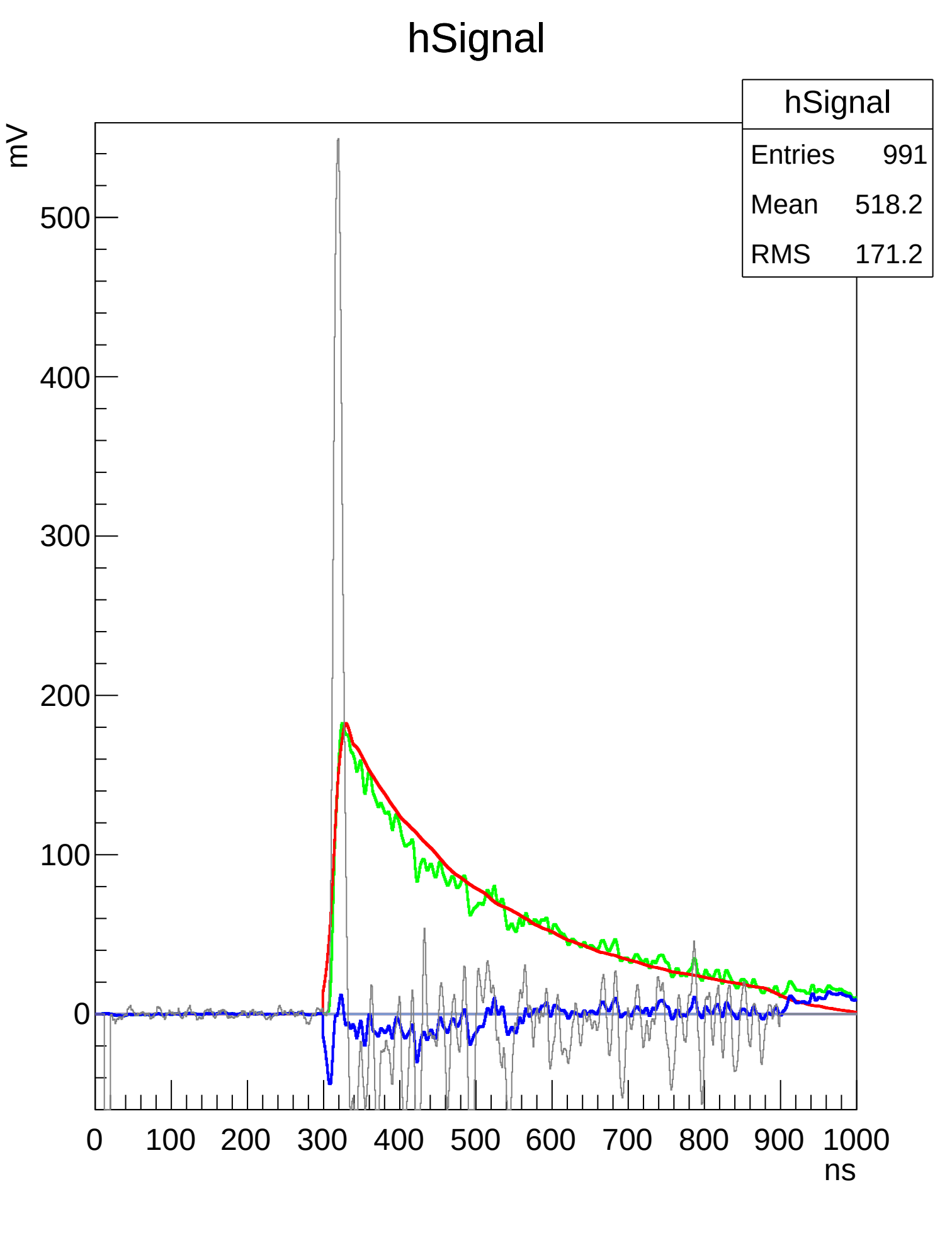

hSignal
hSignal
Entries 991
Mean 523.8
RMS 171
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

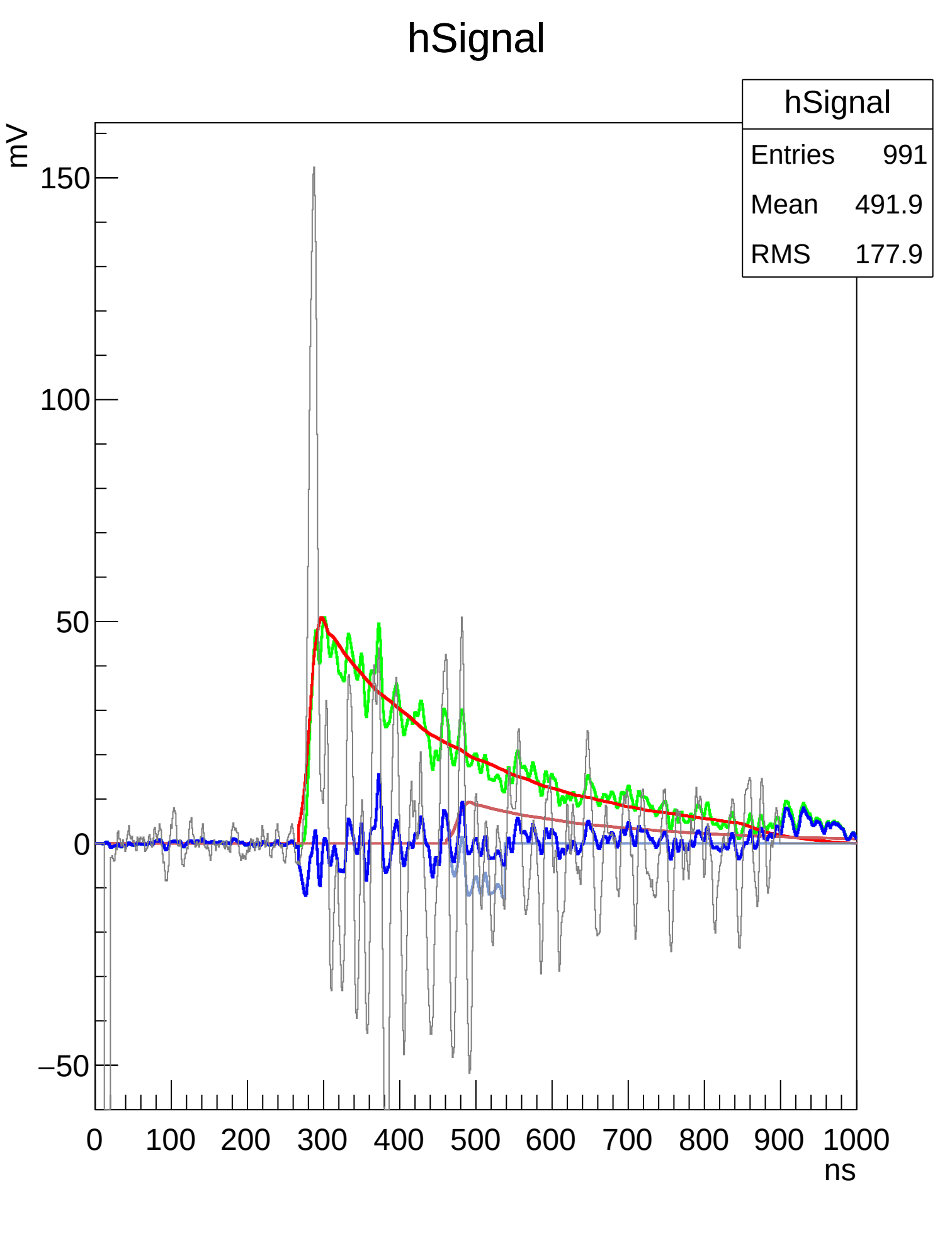

hSignal
hSignal
Entries 991
Mean 550.8
RMS 124.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

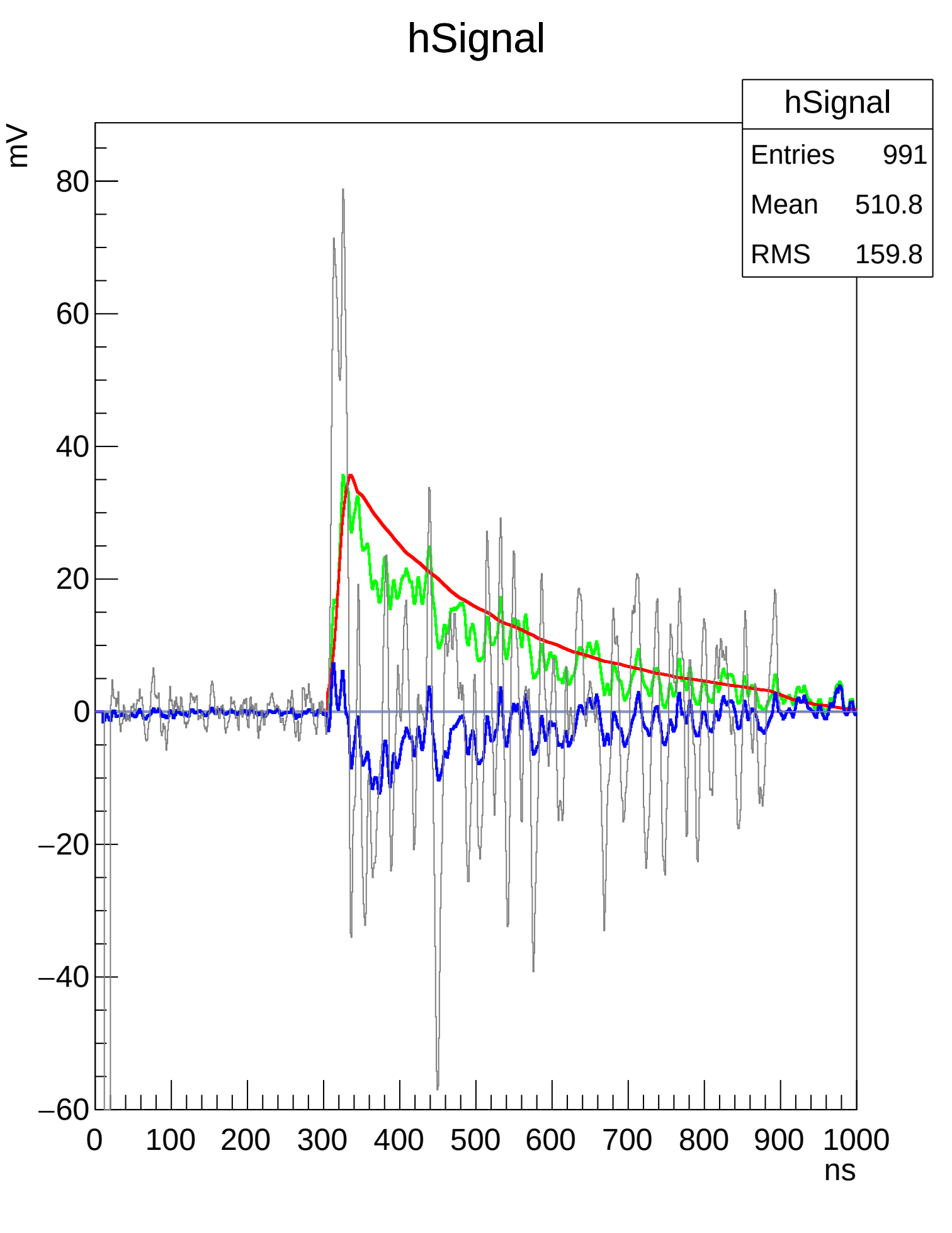

hSignal
hSignal
Entries 991
Mean 514.2
RMS 174.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

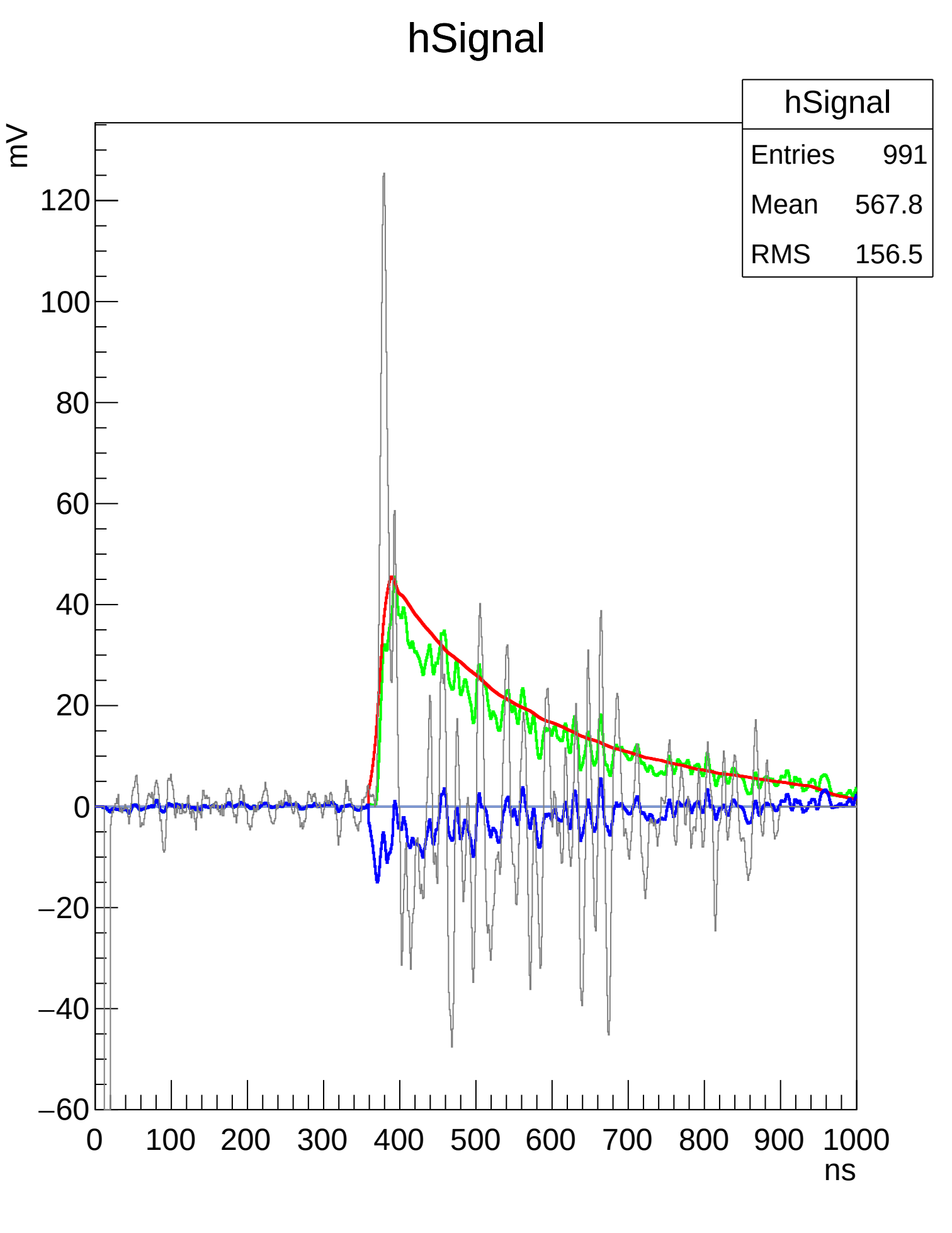

hSignal
hSignal
Entries 991
Mean 494.7
RMS 179.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

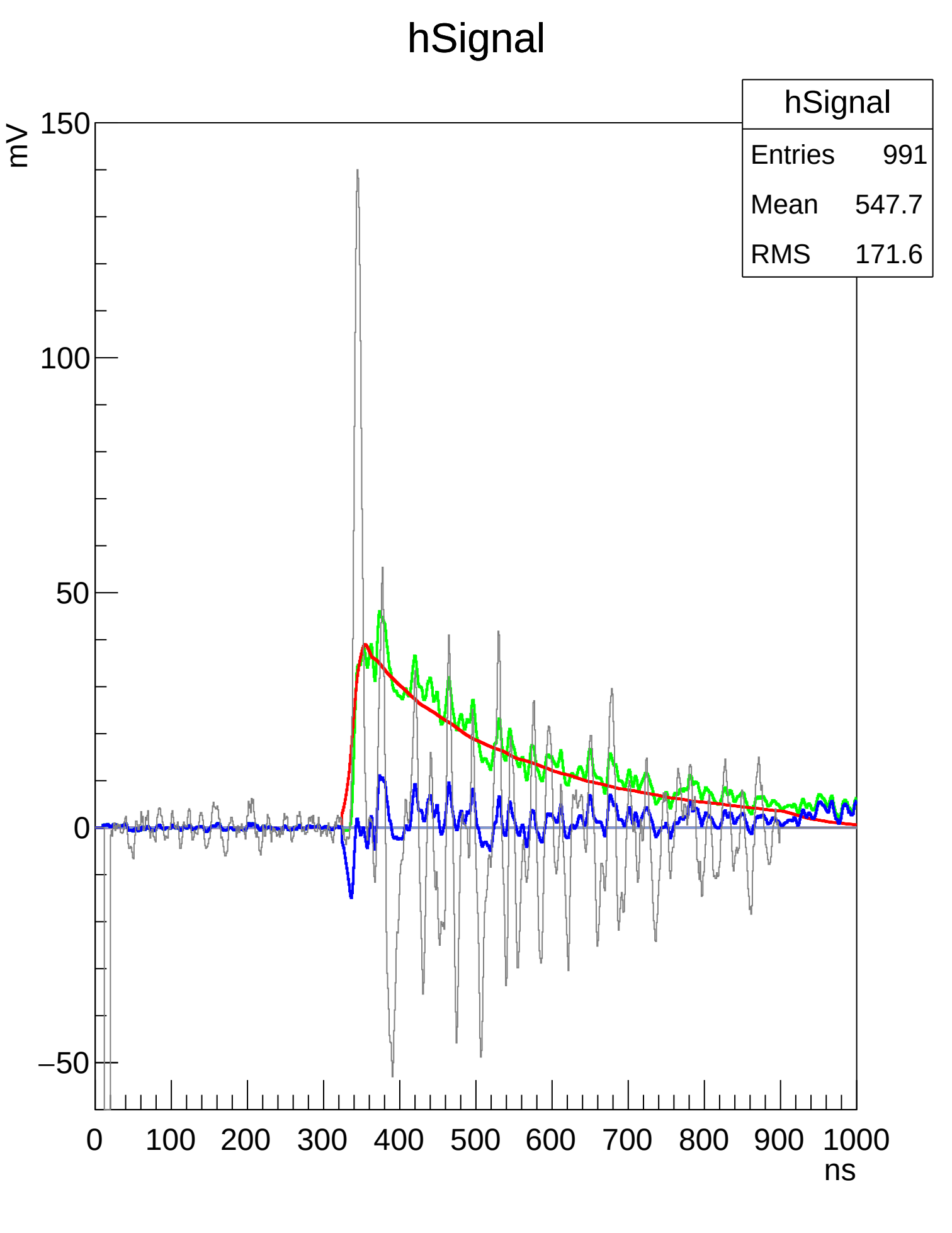

hSignal
hSignal
Entries 991
Mean 535.4
RMS 165.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

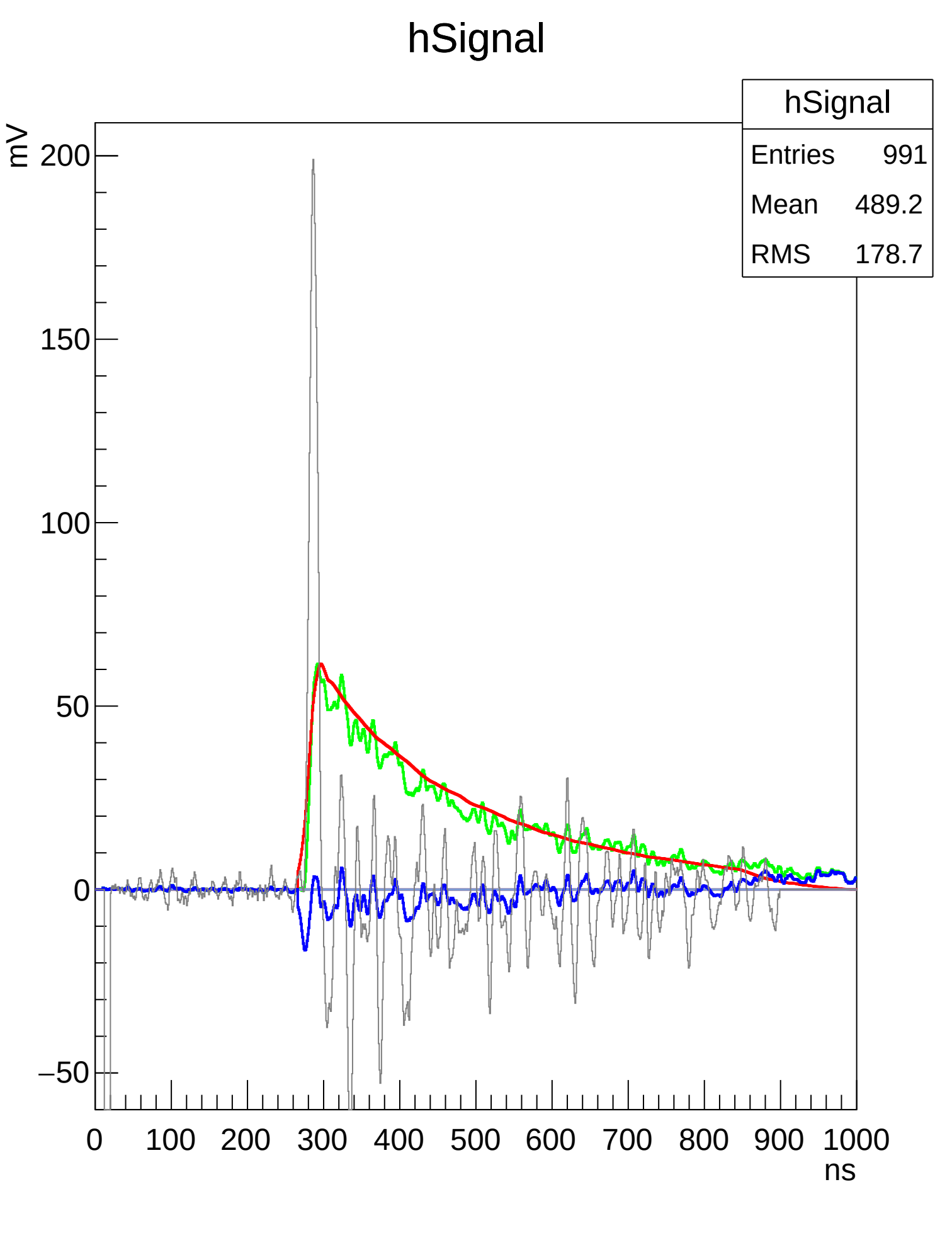

hSignal
hSignal
Entries 991
Mean 518.2
RMS 171.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

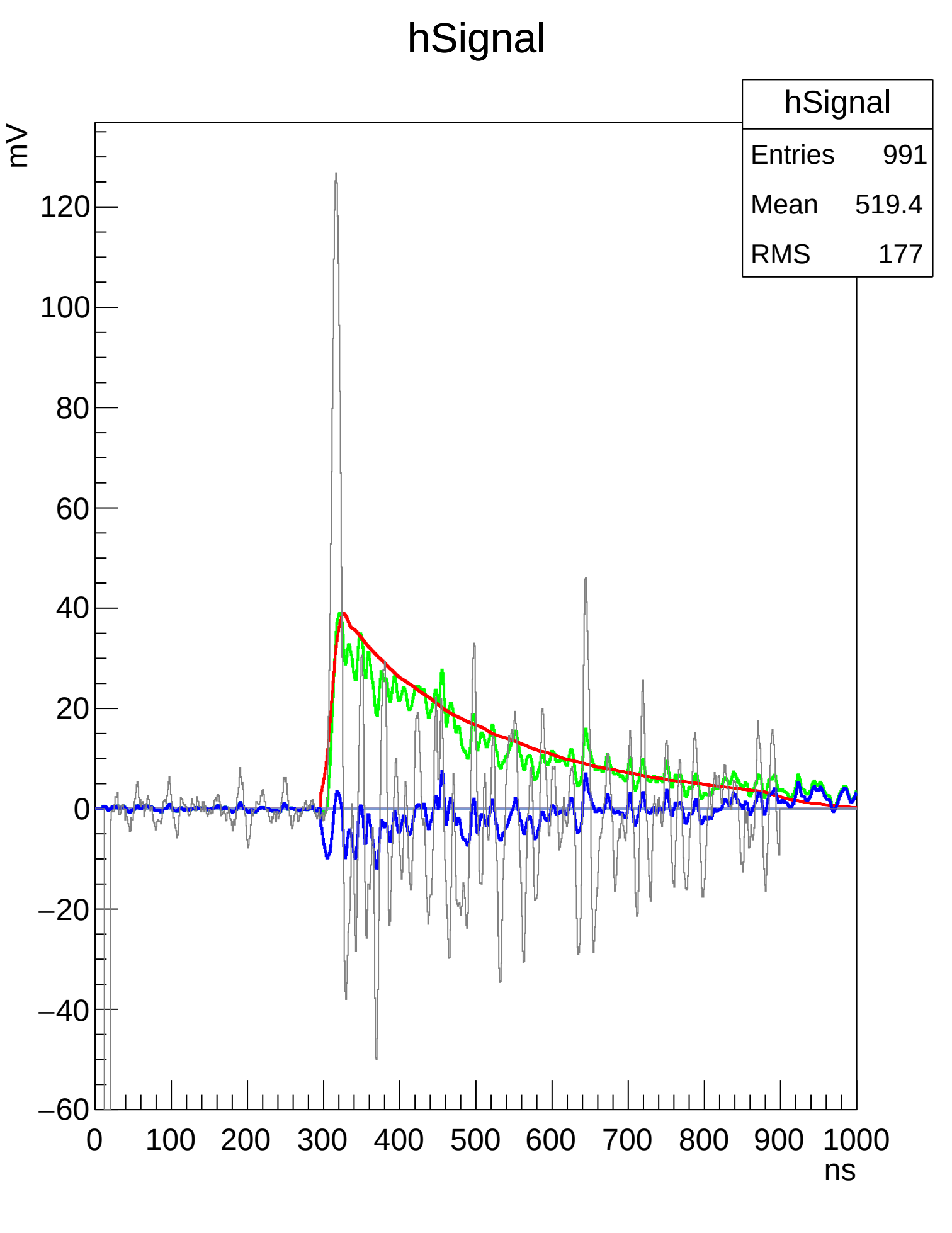

hSignal
hSignal
Entries 991
Mean 491.9
RMS 177.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

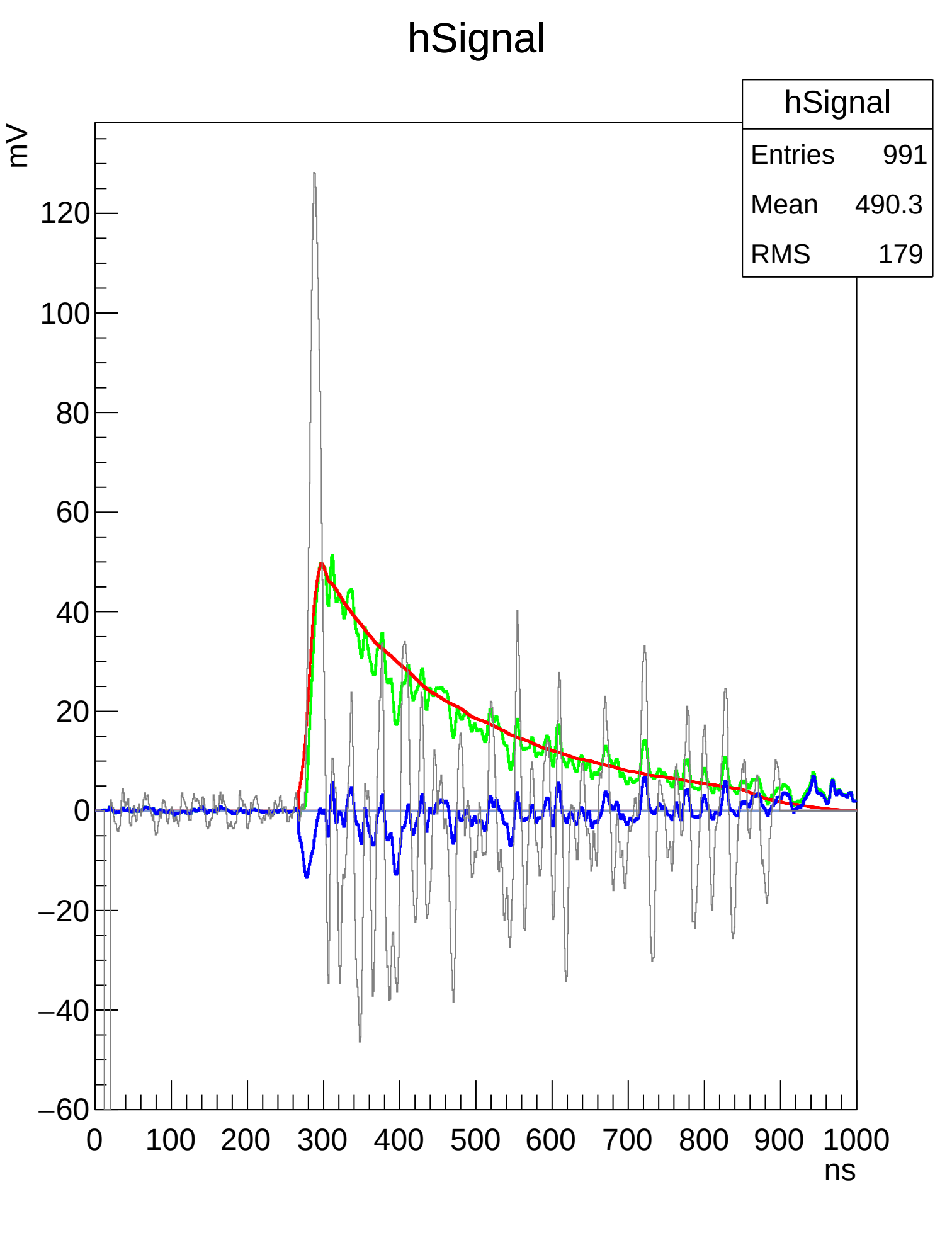

hSignal
hSignal
Entries 991
Mean 510.8
RMS 159.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

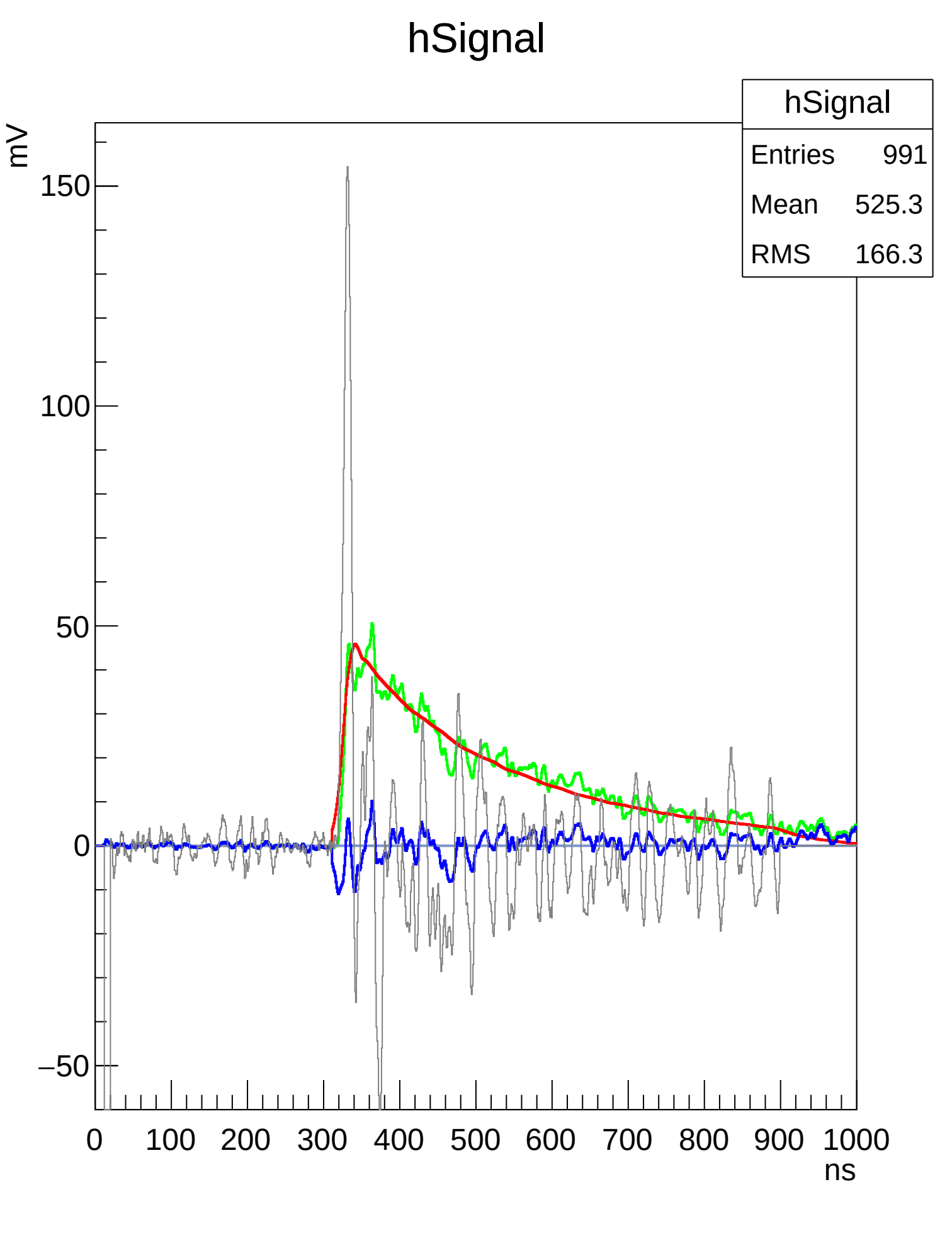

hSignal
hSignal
Entries 991
Mean 567.8
RMS 156.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

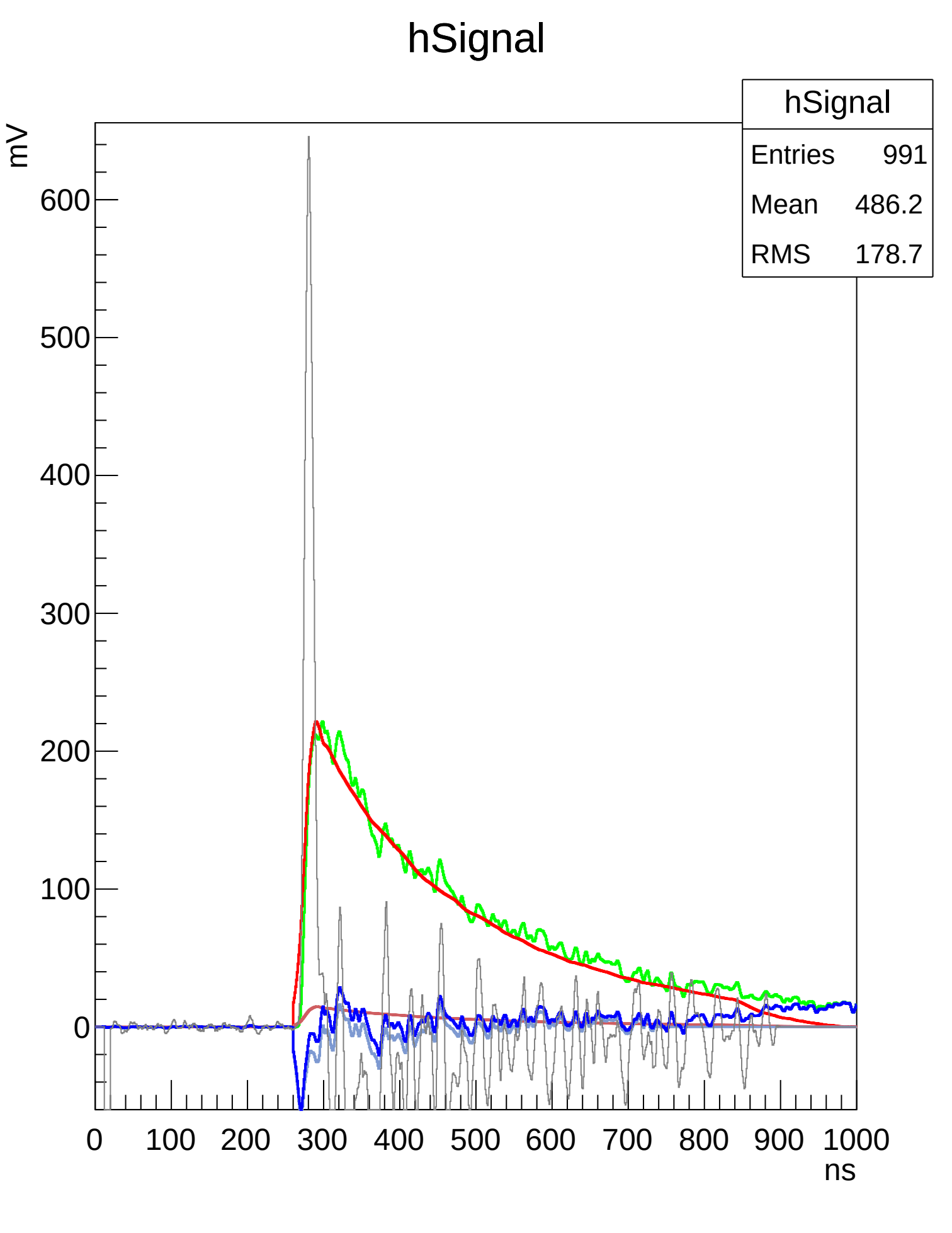

hSignal
hSignal
Entries 991
Mean 547.7
RMS 171.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

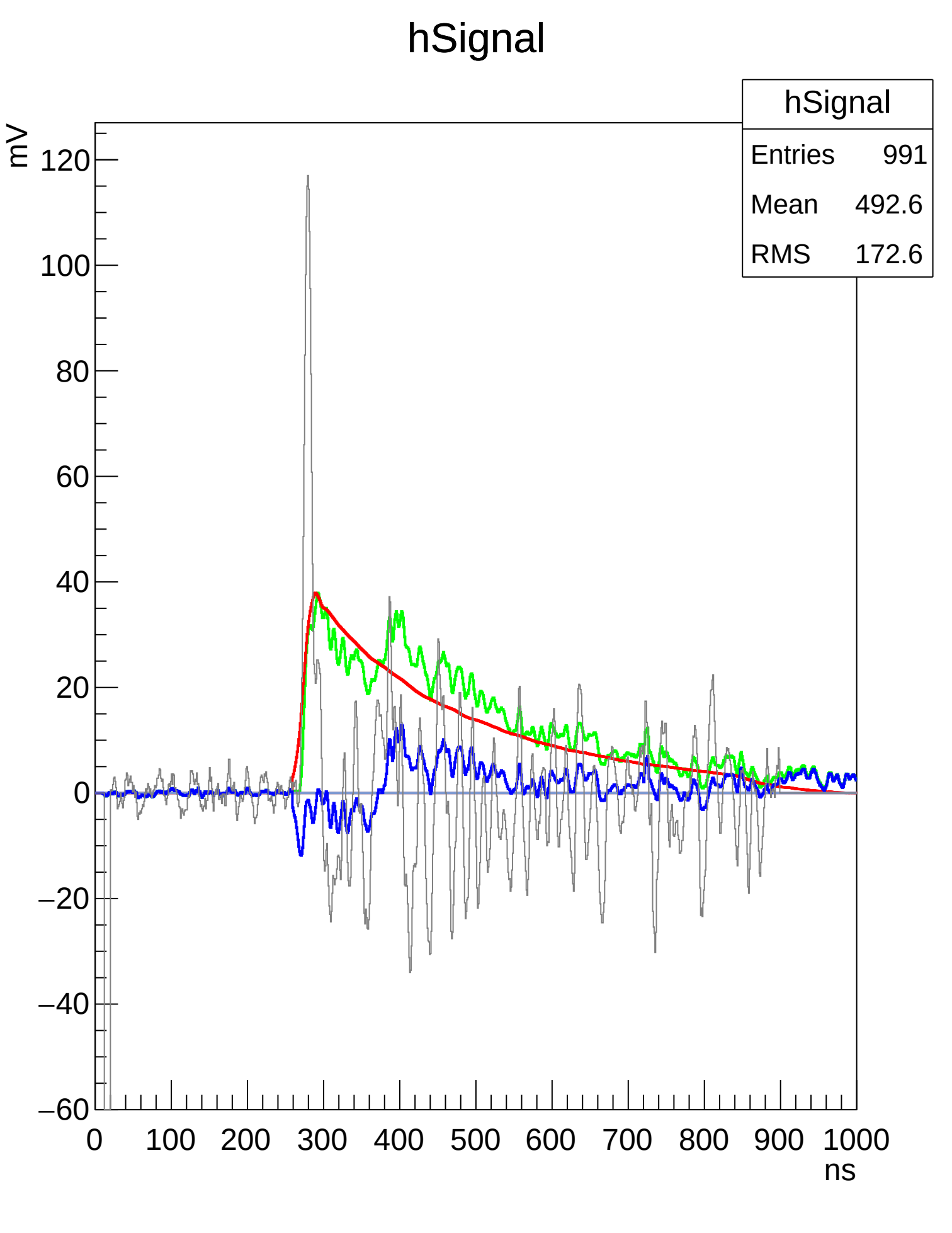

hSignal
hSignal
Entries 991
Mean 489.2
RMS 178.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

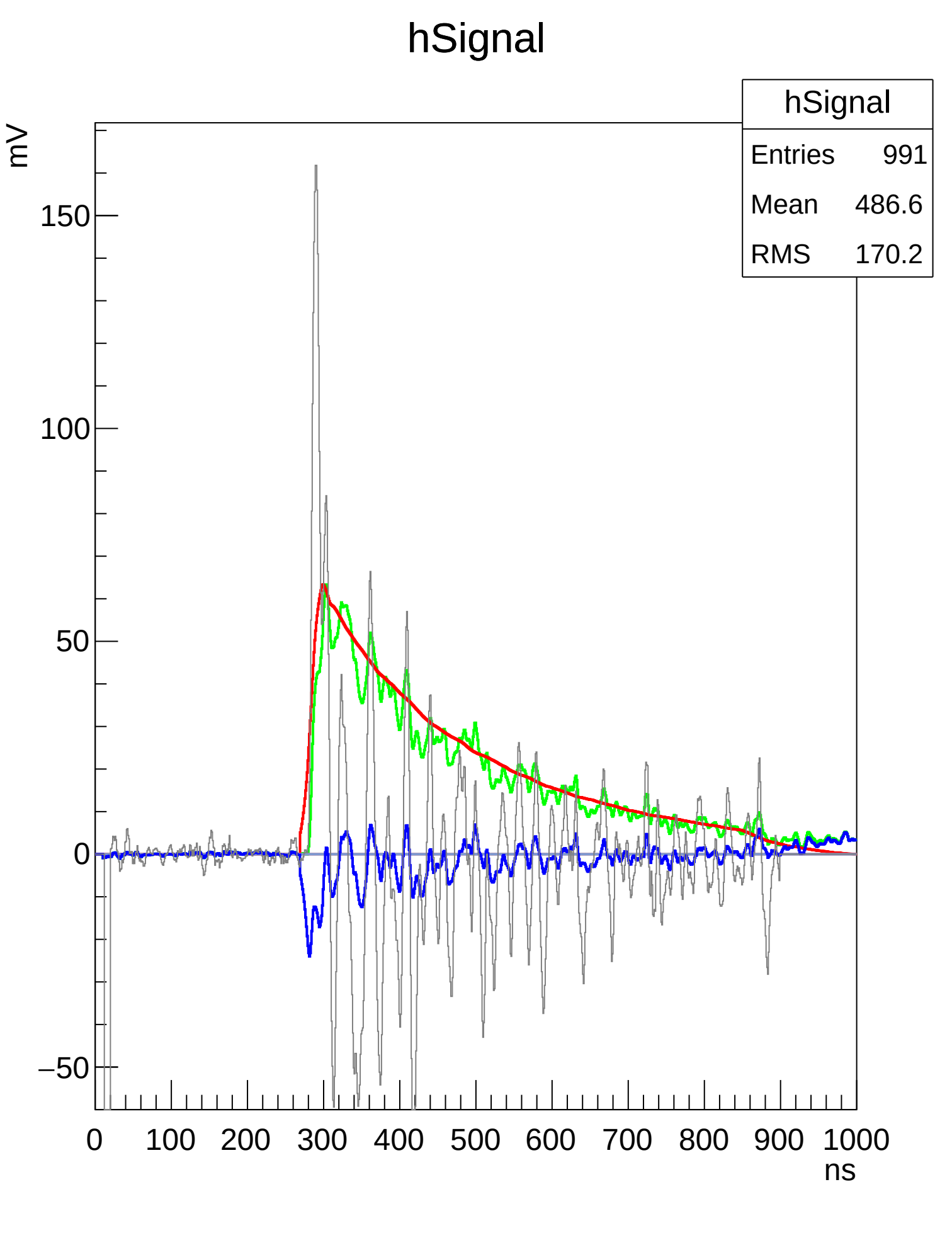

hSignal
hSignal
Entries 991
Mean 519.4
RMS 177
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

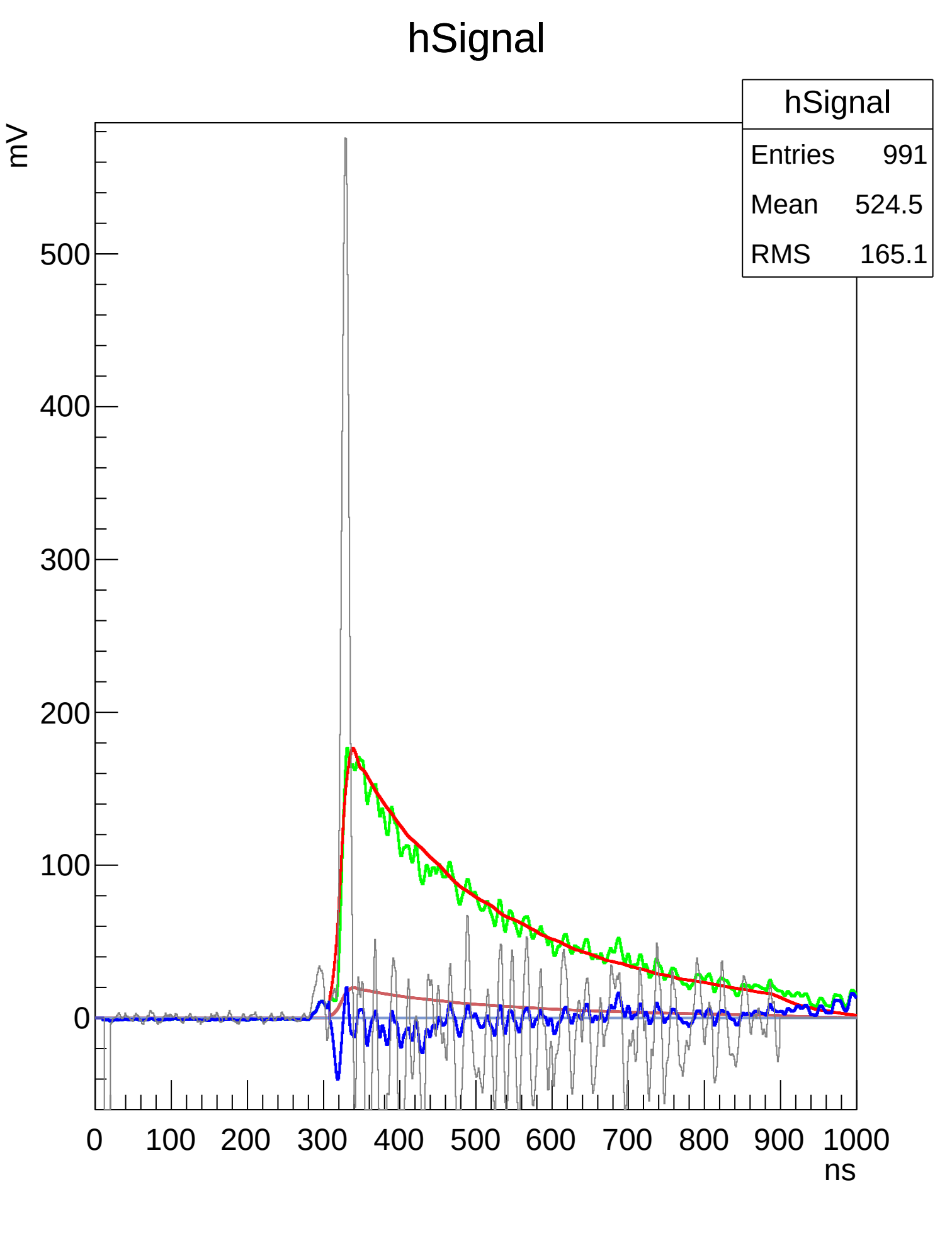

hSignal
hSignal
Entries 991
Mean 490.3
RMS 179
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

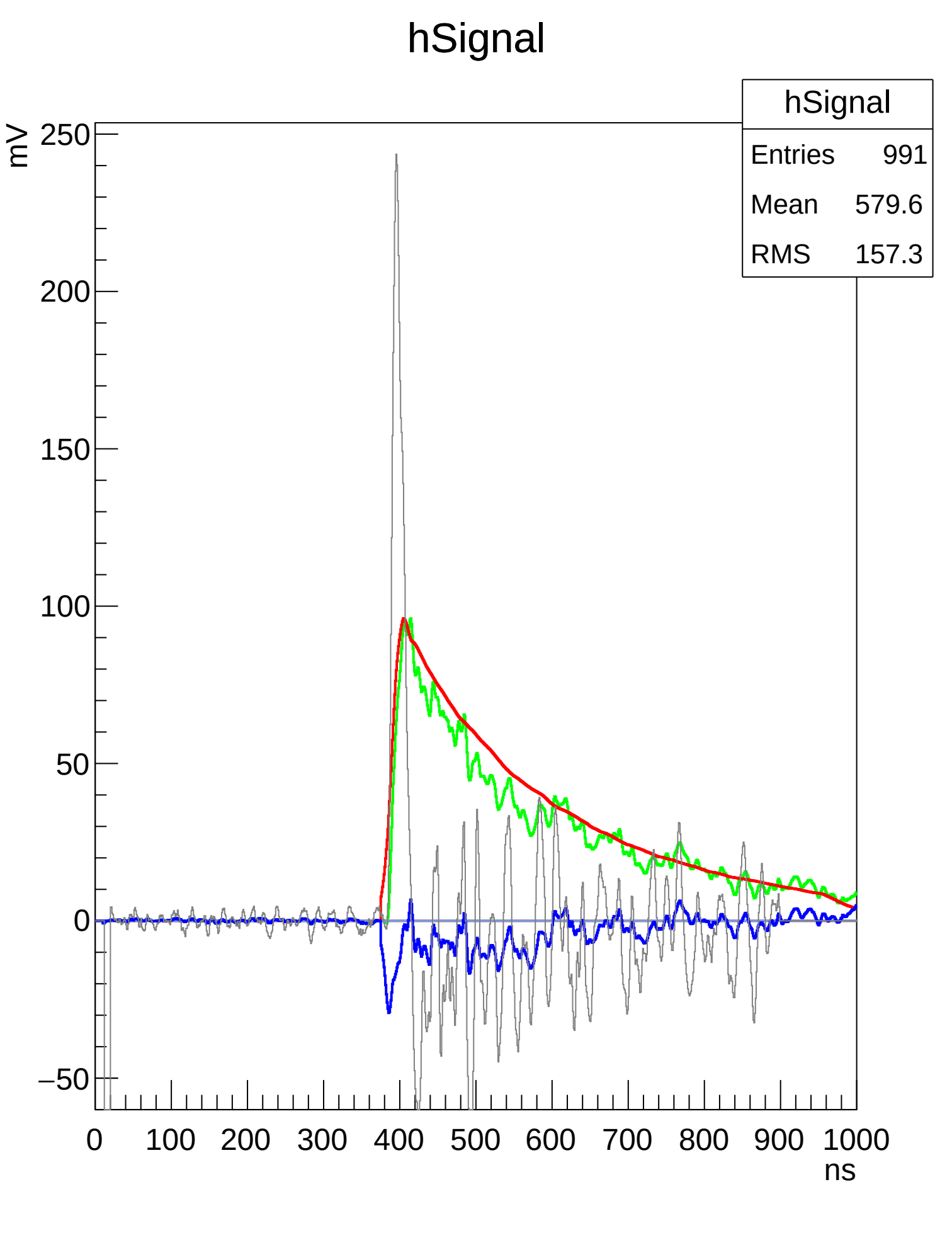

hSignal
hSignal
Entries 991
Mean 525.3
RMS 166.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

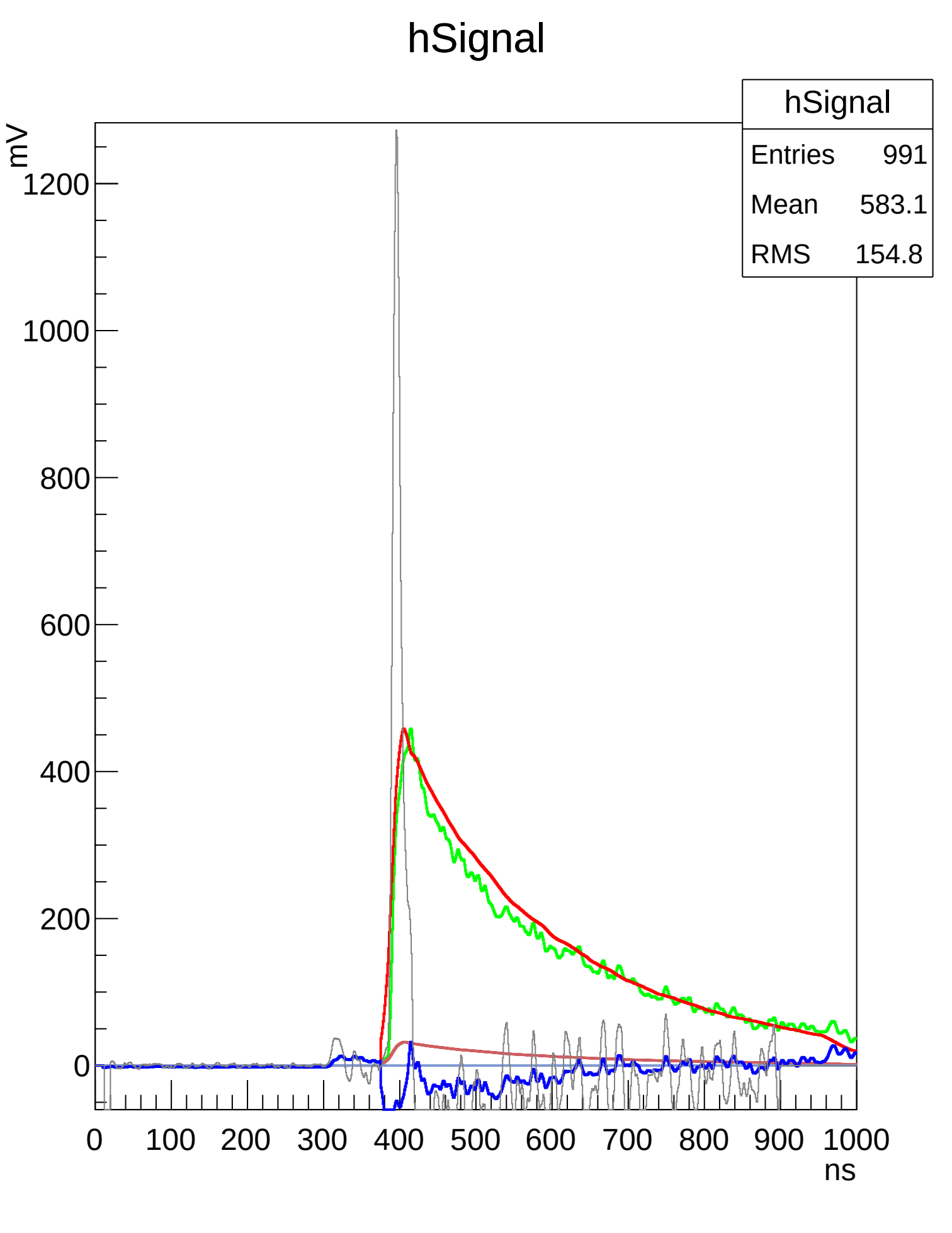

hSignal
hSignal
Entries 991
Mean 486.2
RMS 178.7
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

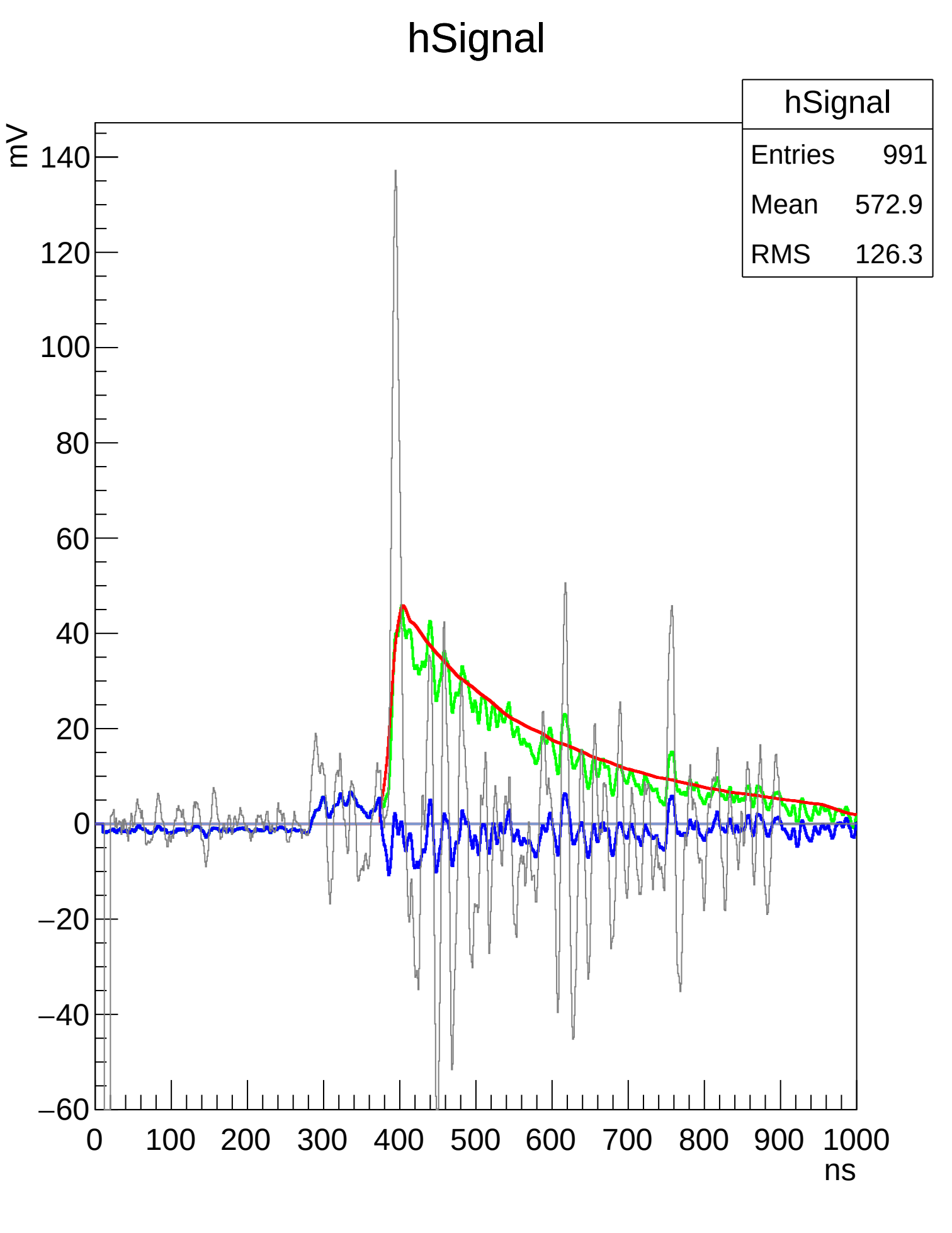

hSignal
hSignal
Entries 991
Mean 492.6
RMS 172.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

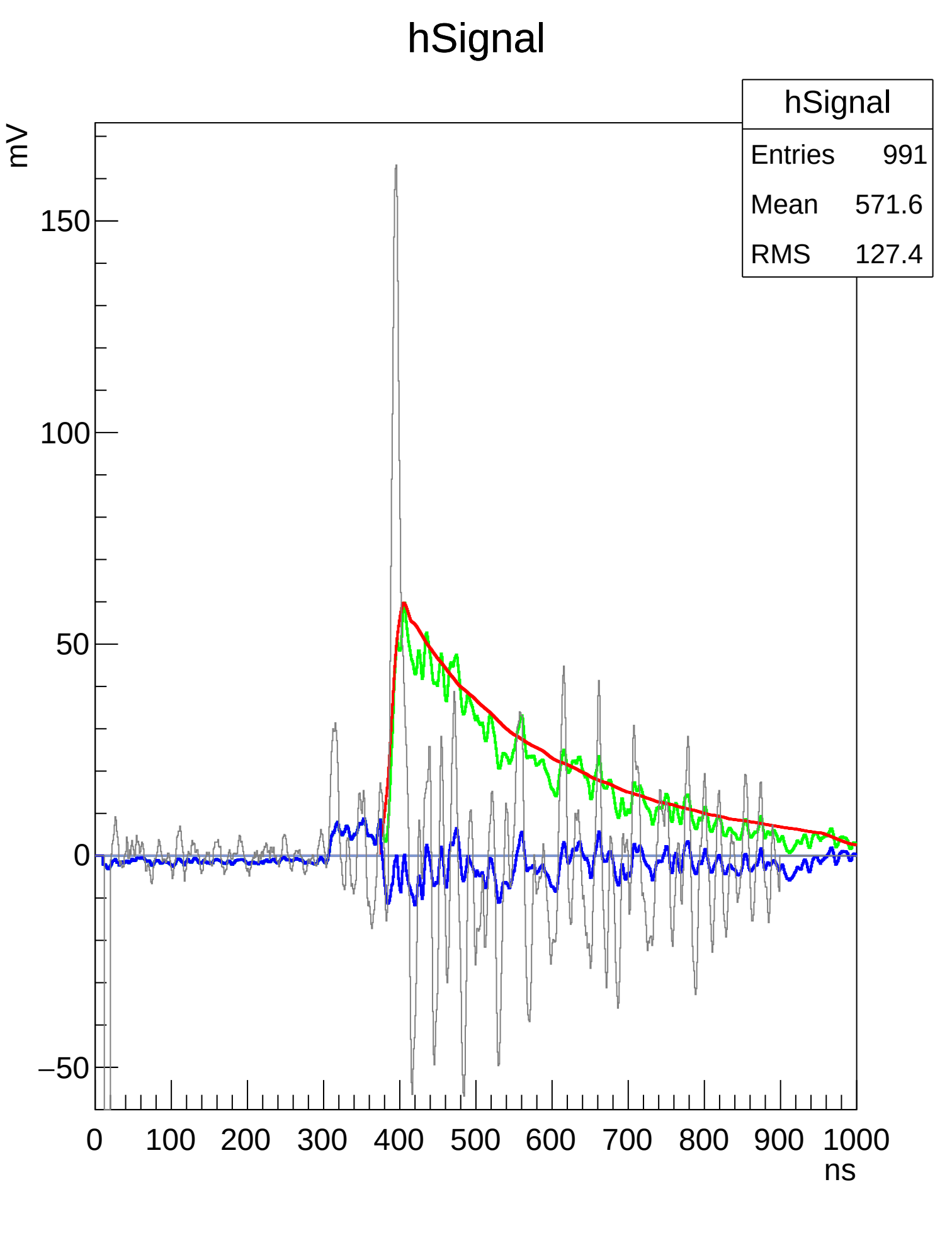

hSignal
hSignal
Entries 991
Mean 486.6
RMS 170.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

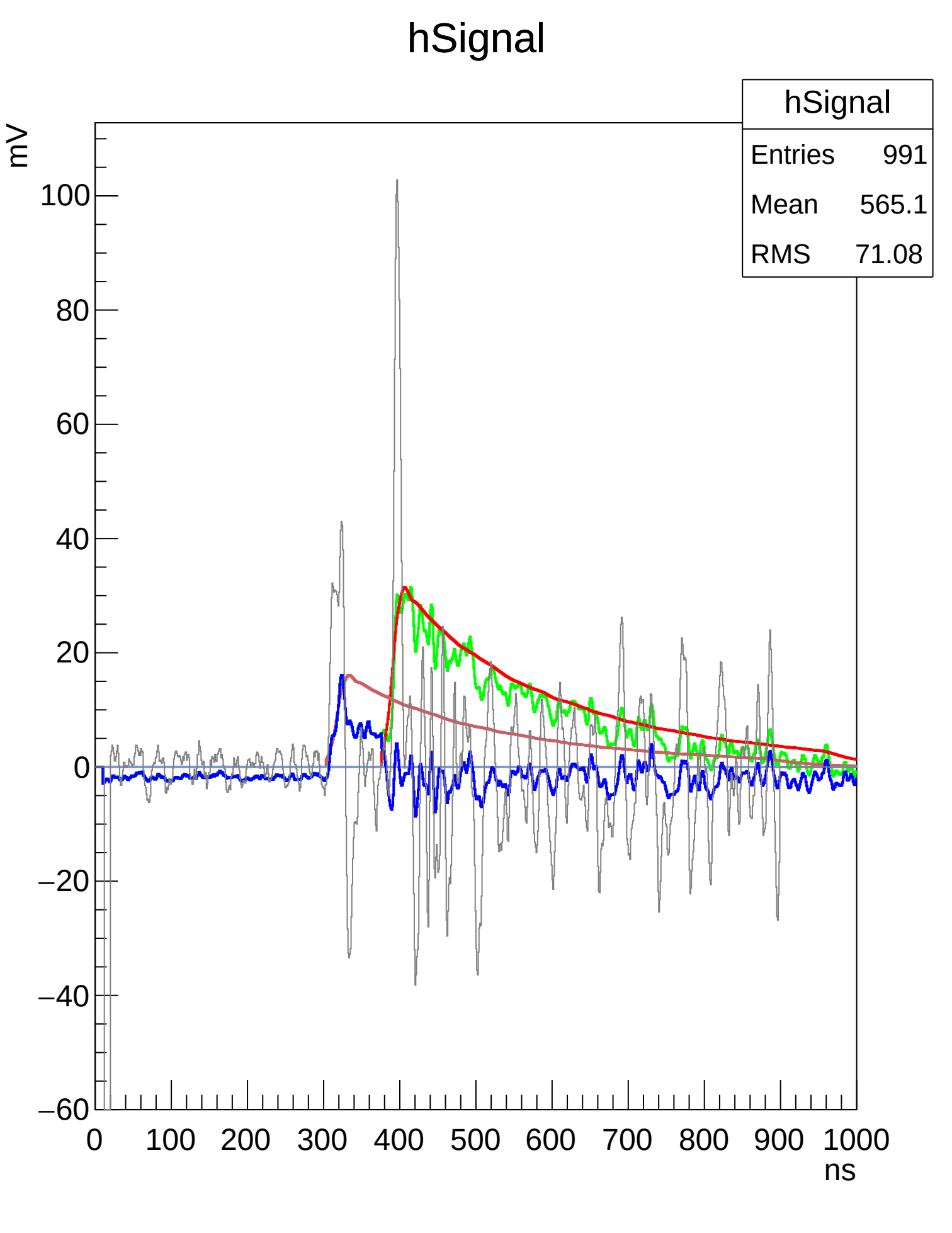

hSignal
hSignal
Entries 991
Mean 524.5
RMS 165.1
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

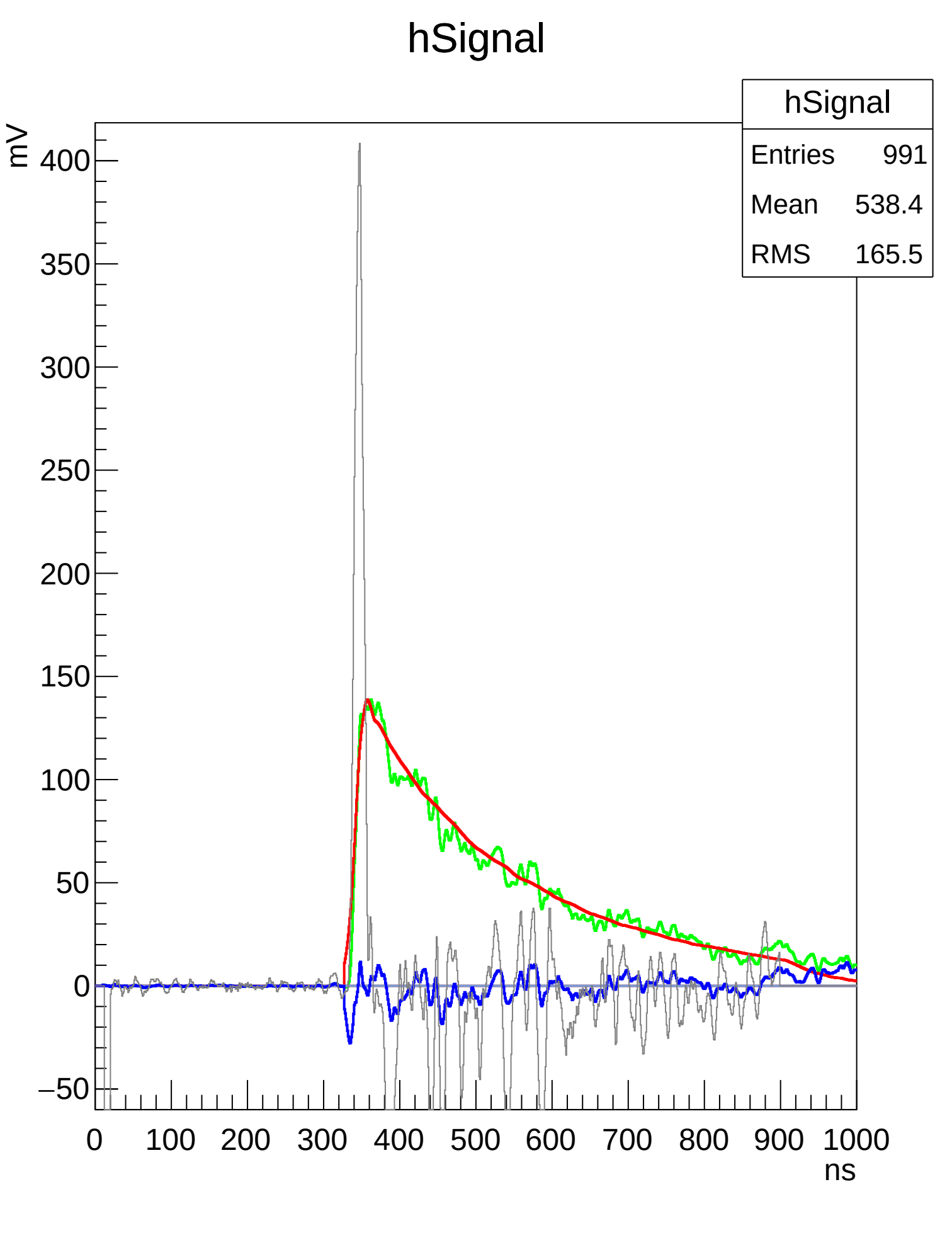

hSignal
hSignal
Entries 991
Mean 579.6
RMS 157.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

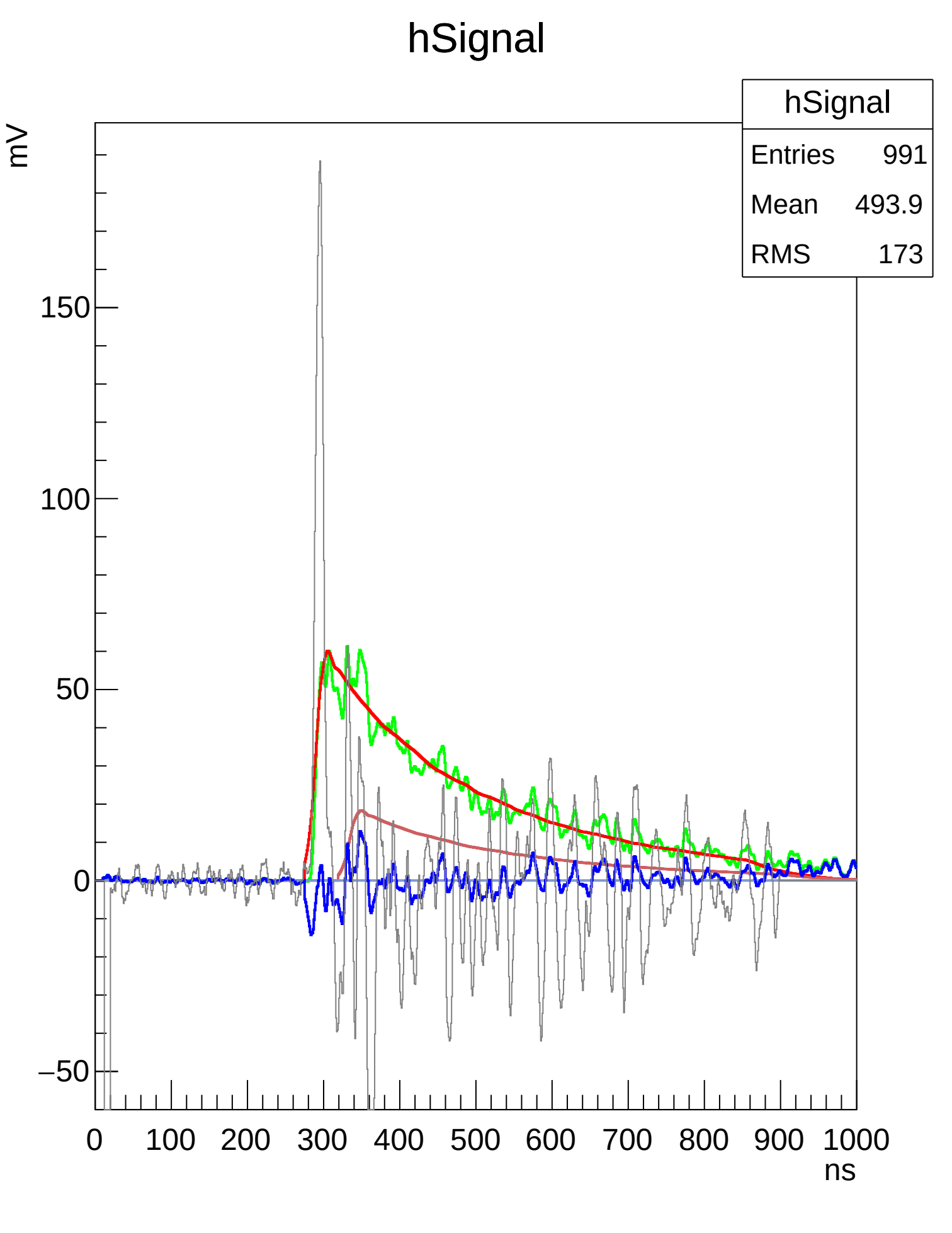

hSignal
hSignal
Entries 991
Mean 583.1
RMS 154.8
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

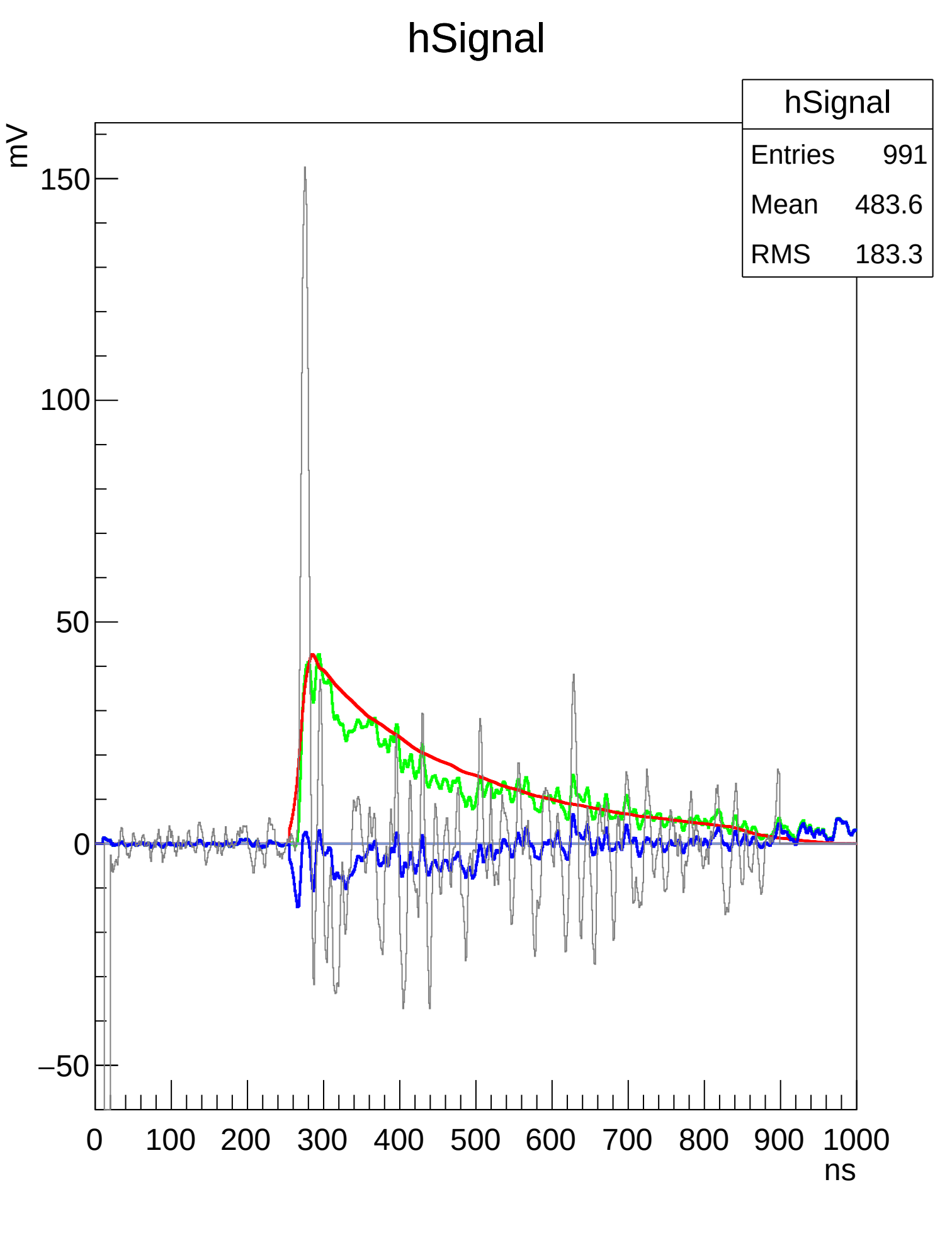

hSignal
hSignal
Entries 991
Mean 572.9
RMS 126.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

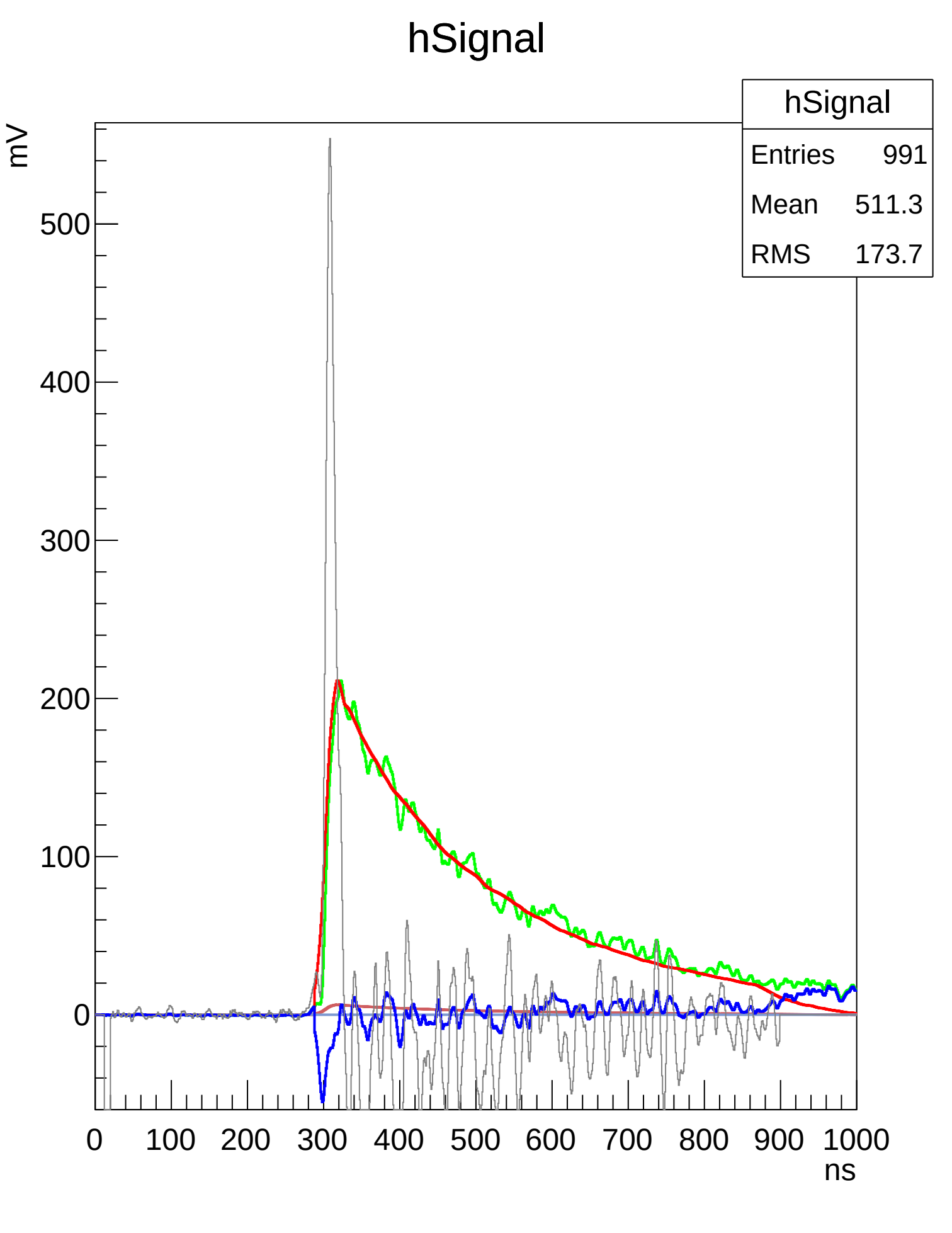

hSignal
hSignal
Entries 991
Mean 571.6
RMS 127.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

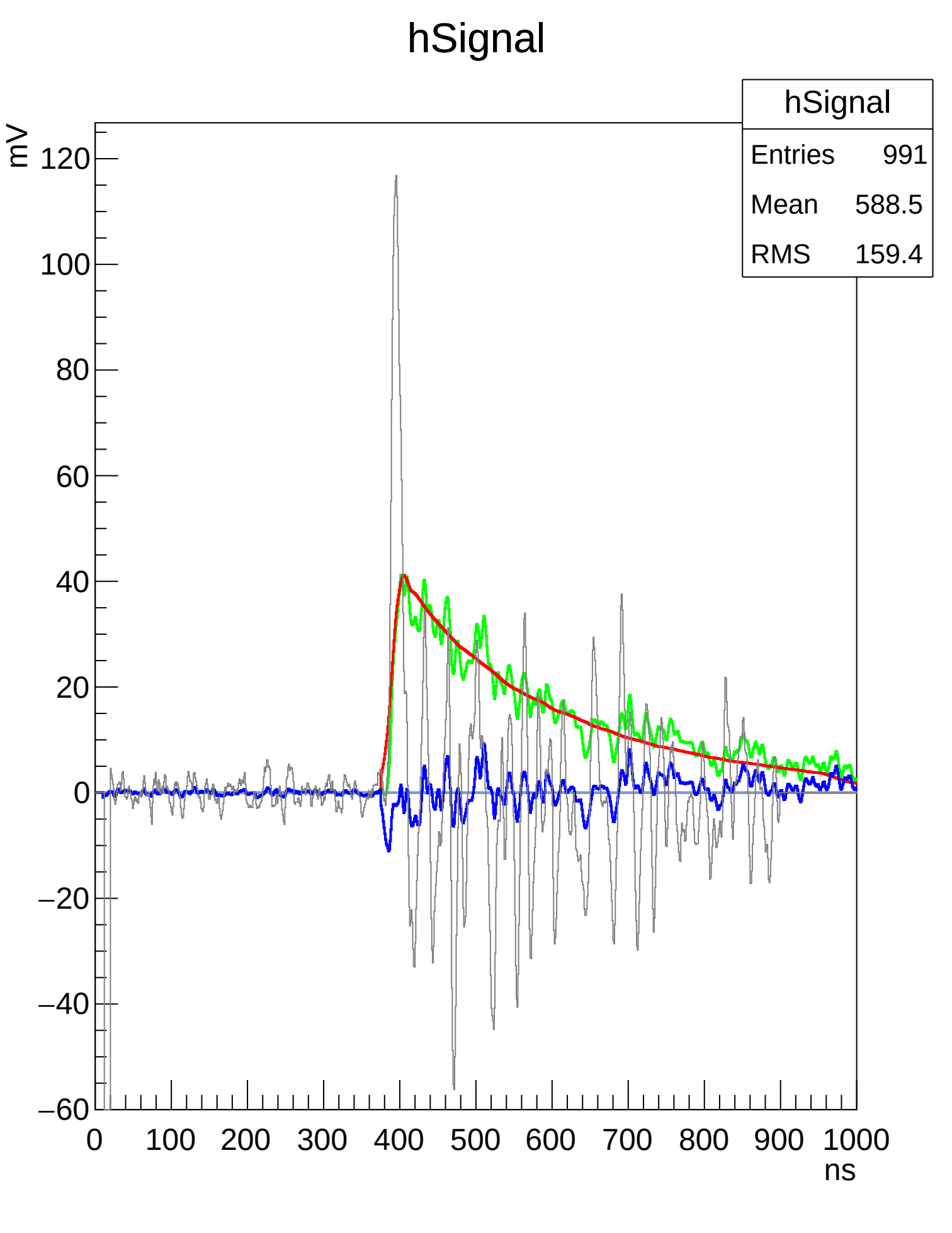

hSignal
hSignal
Entries 991
Mean 565.1
RMS 71.08
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

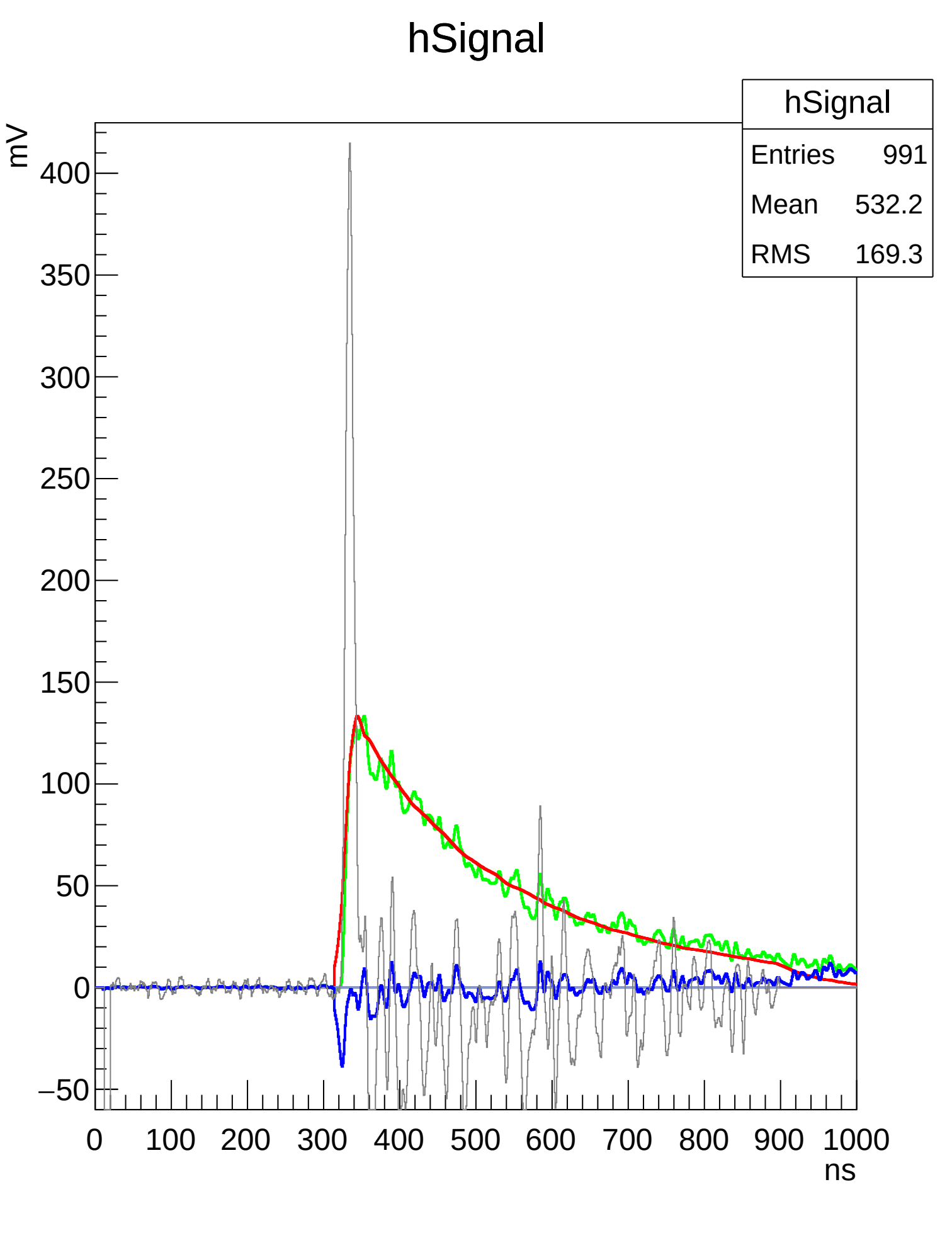

hSignal
hSignal
Entries 991
Mean 538.4
RMS 165.5
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

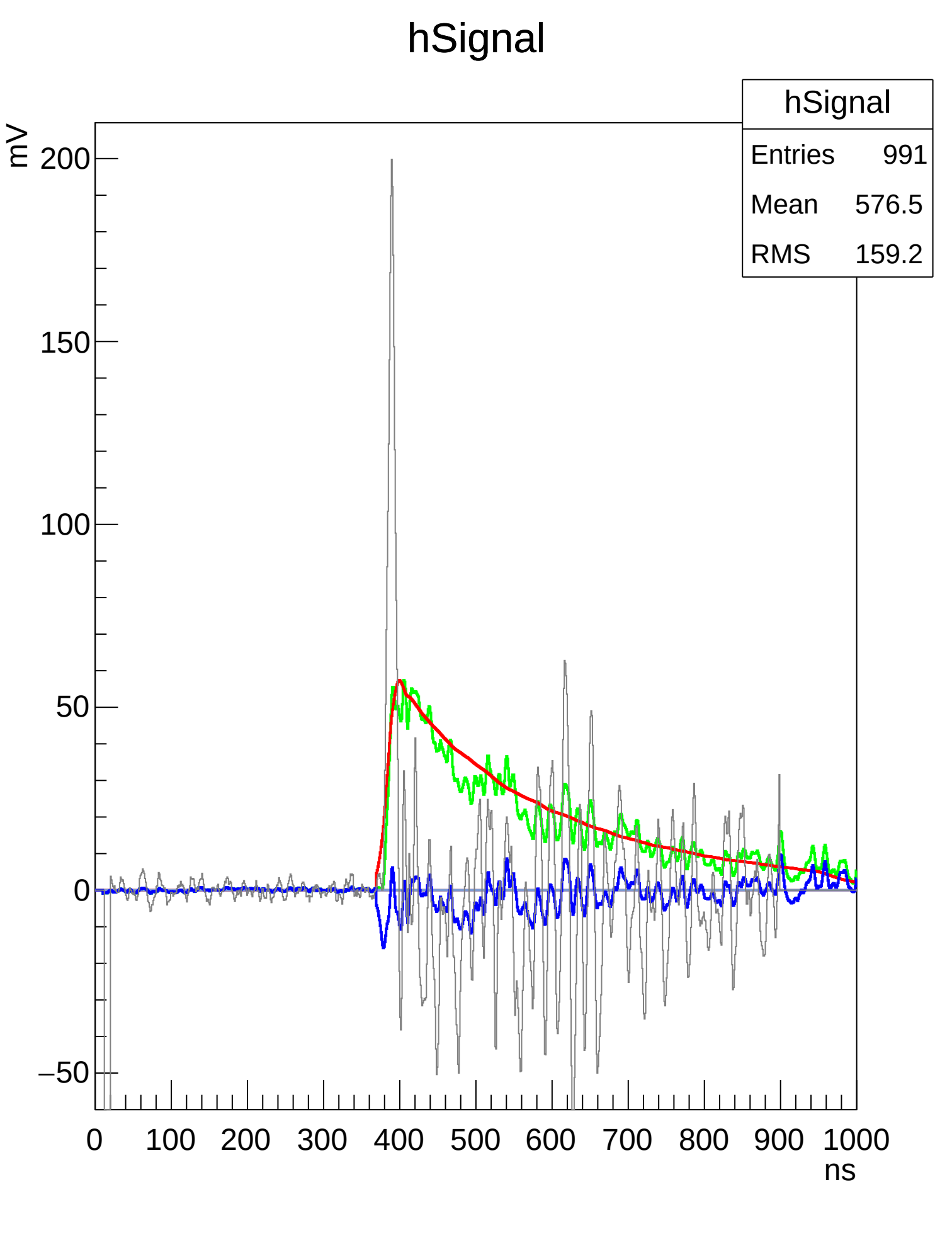

hSignal
hSignal
Entries 991
Mean 493.9
RMS 173
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

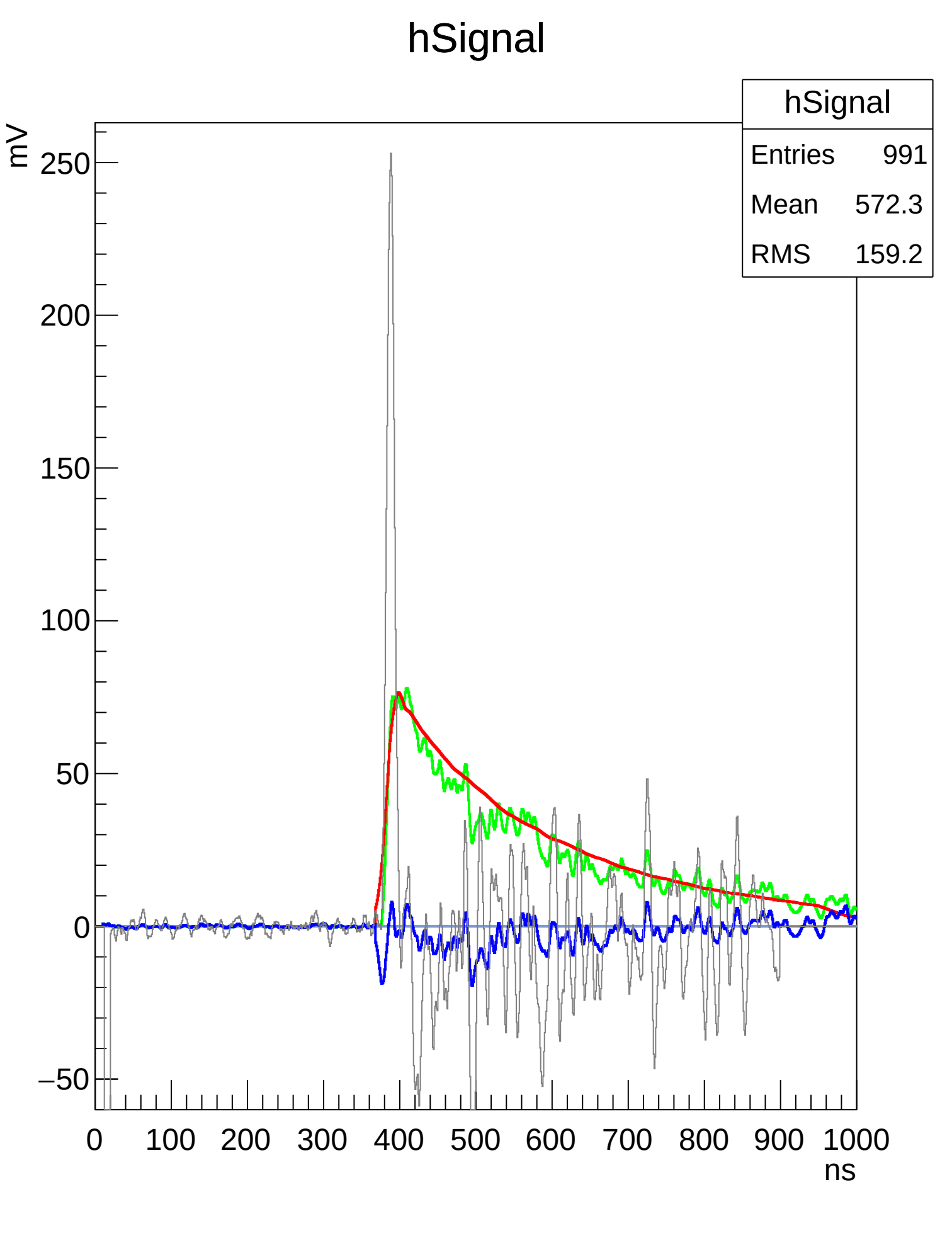

hSignal
hSignal
Entries 991
Mean 483.6
RMS 183.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

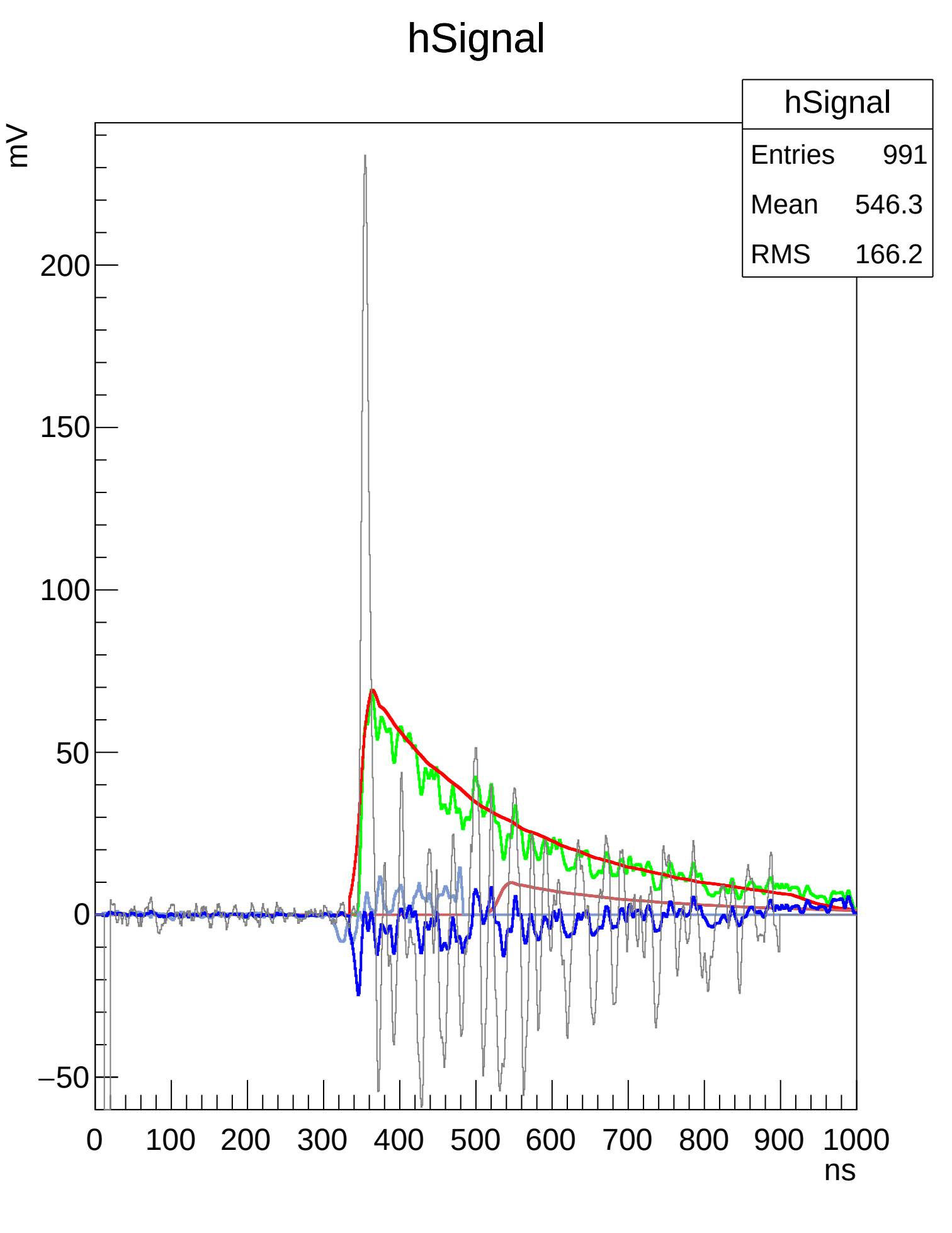

hSignal
hSignal
Entries 991
Mean 511.3
RMS 173.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

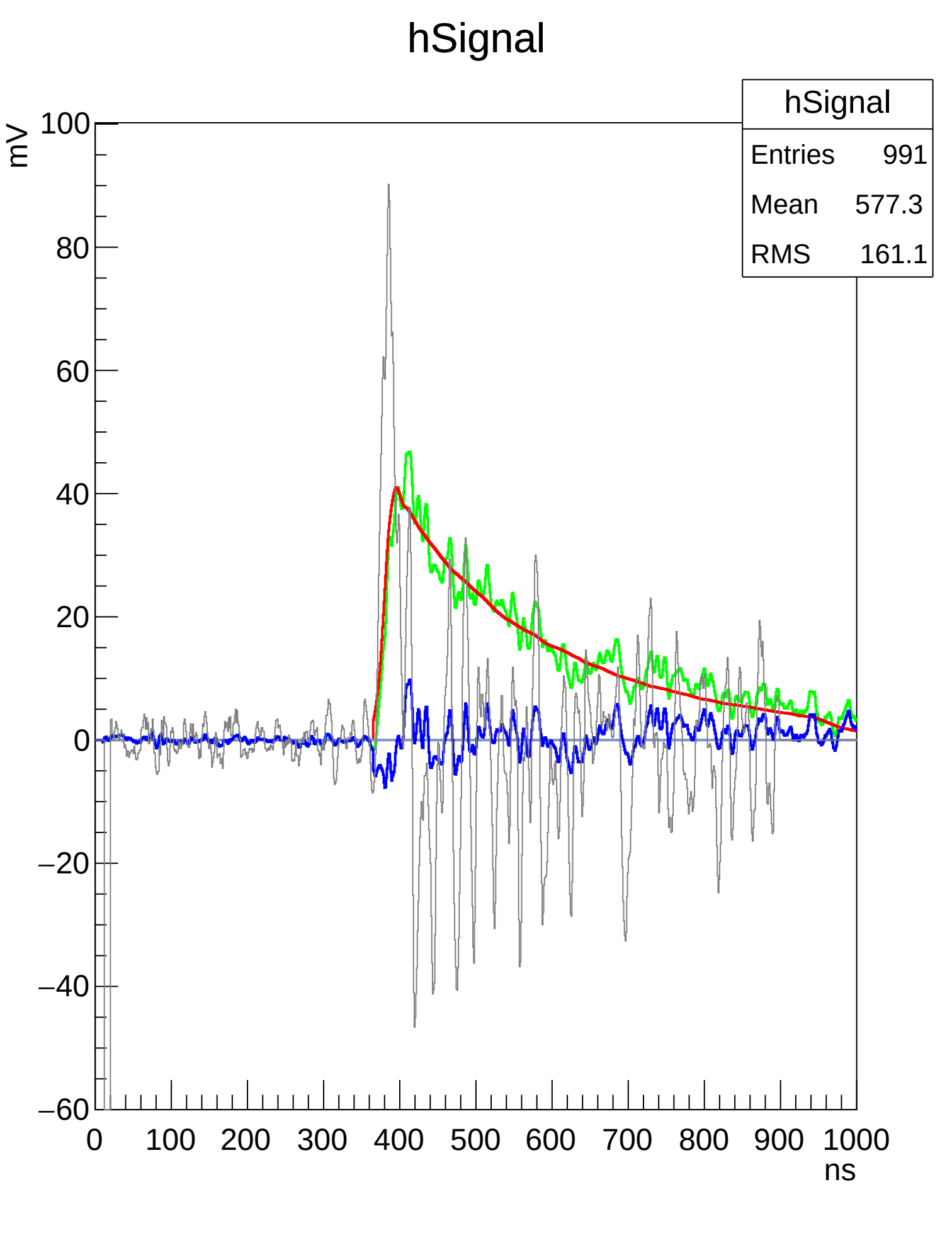

hSignal
hSignal
Entries 991
Mean 588.5
RMS 159.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

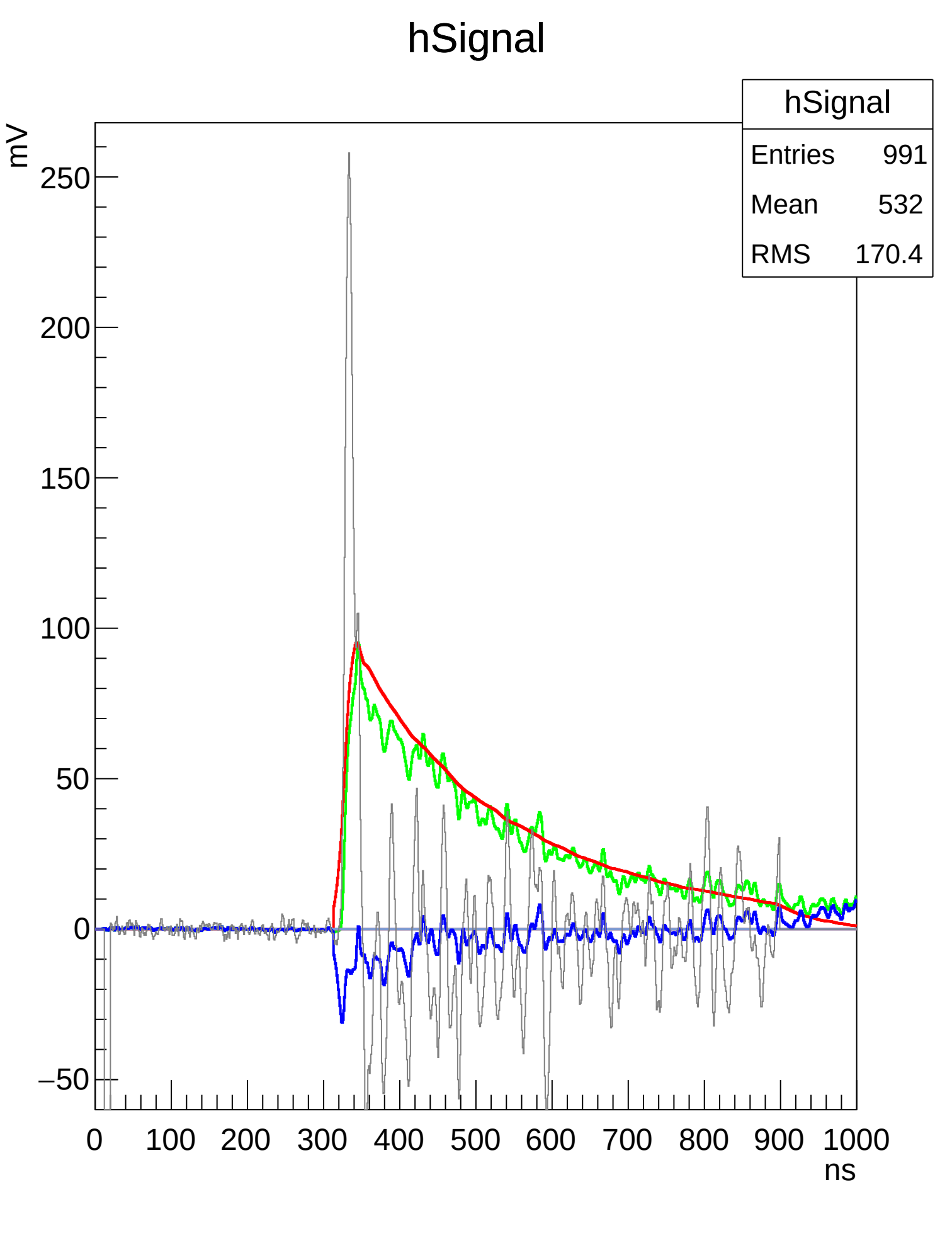

hSignal
hSignal
Entries 991
Mean 532.2
RMS 169.3
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

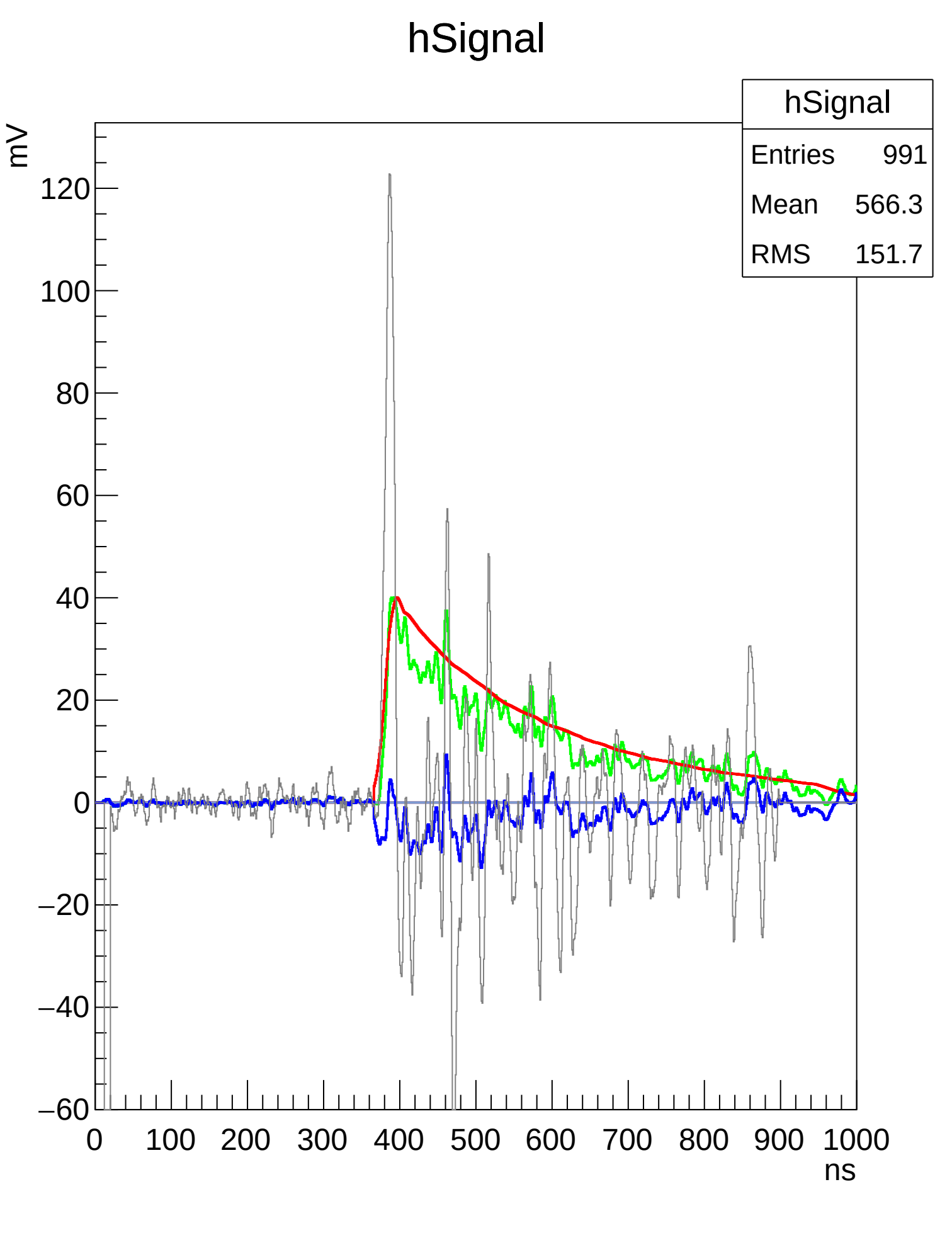

hSignal
hSignal
Entries 991
Mean 576.5
RMS 159.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

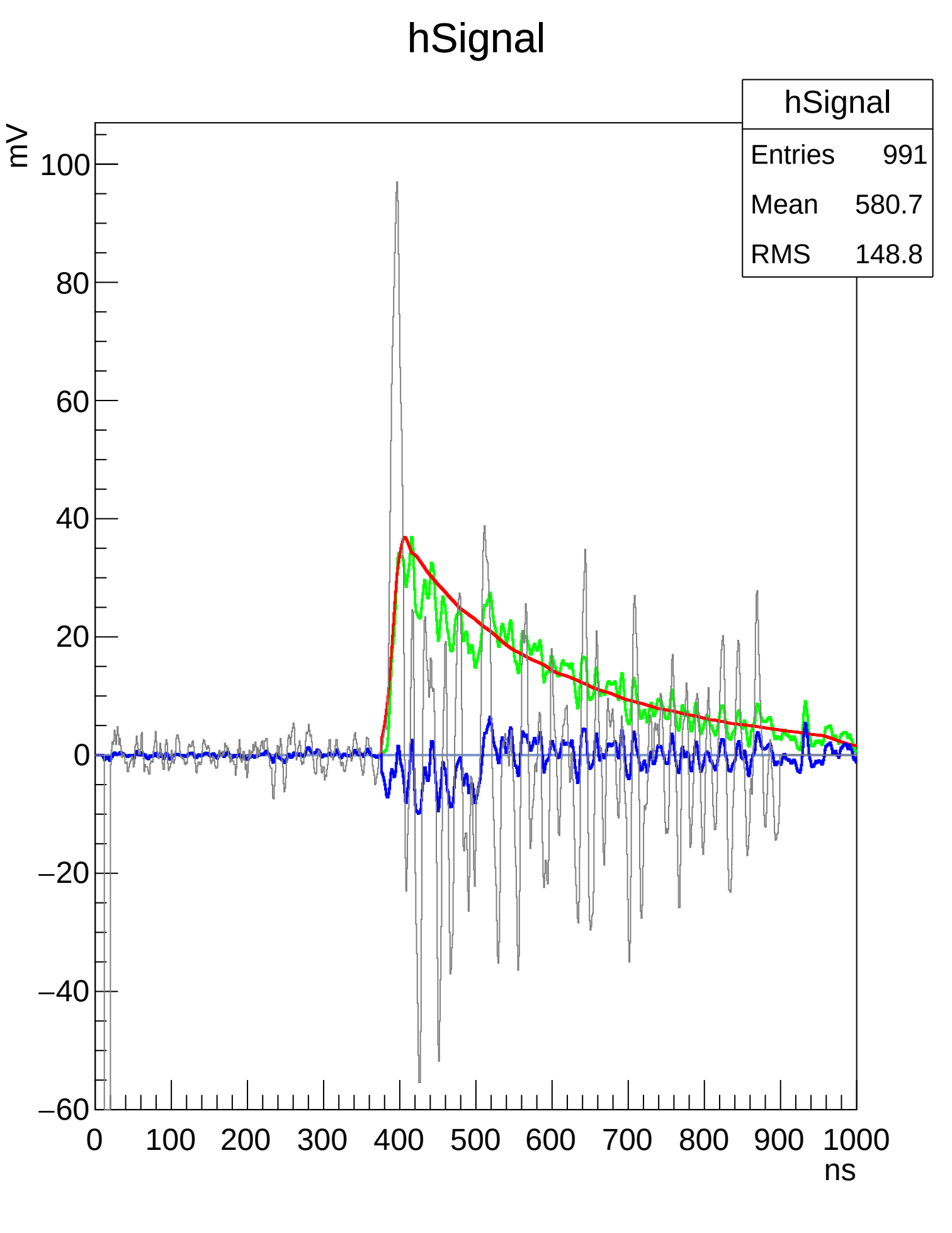

hSignal
hSignal
Entries 991
Mean 572.3
RMS 159.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

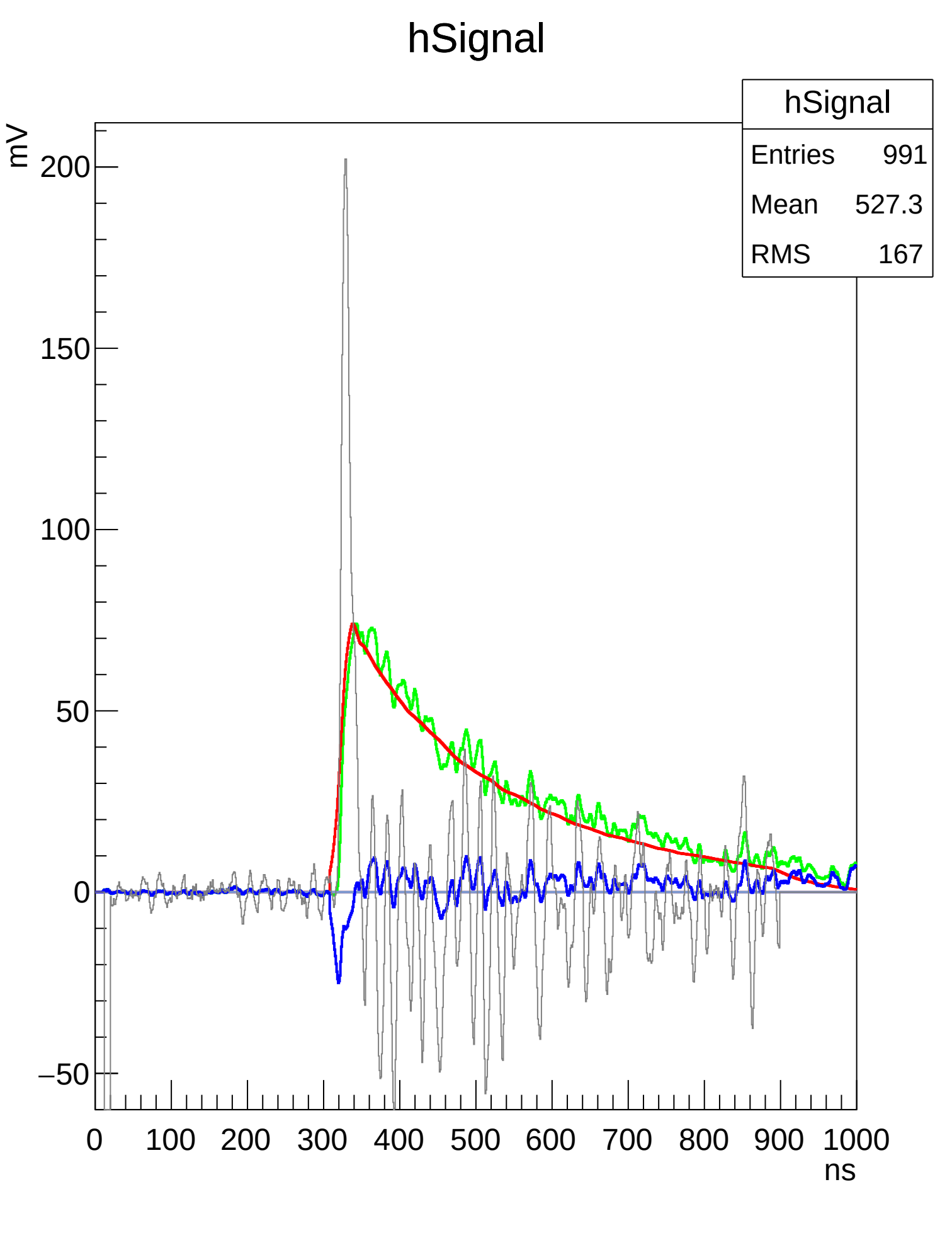

hSignal
hSignal
Entries 991
Mean 546.3
RMS 166.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

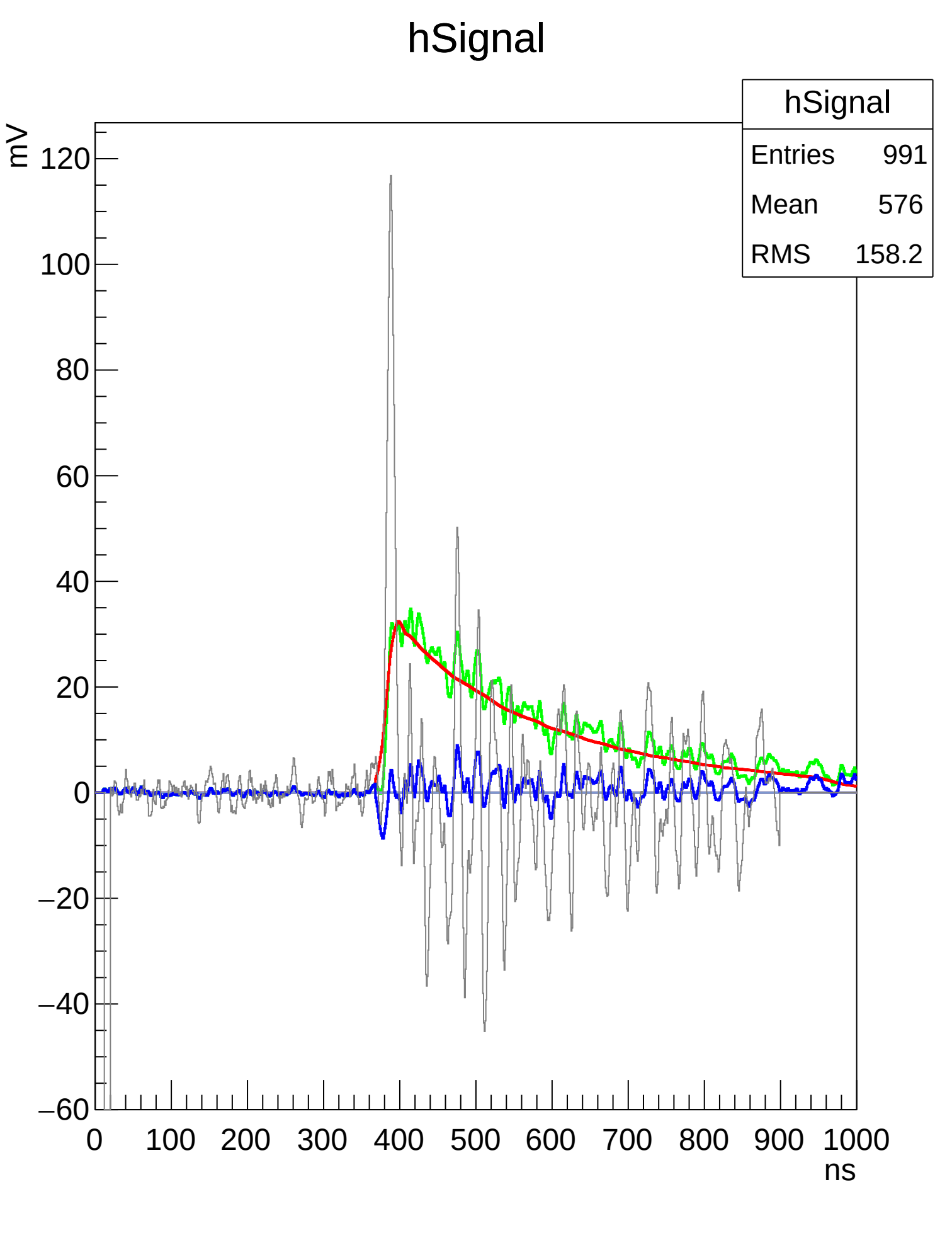

hSignal
hSignal
Entries 991
Mean 577.3
RMS 161.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

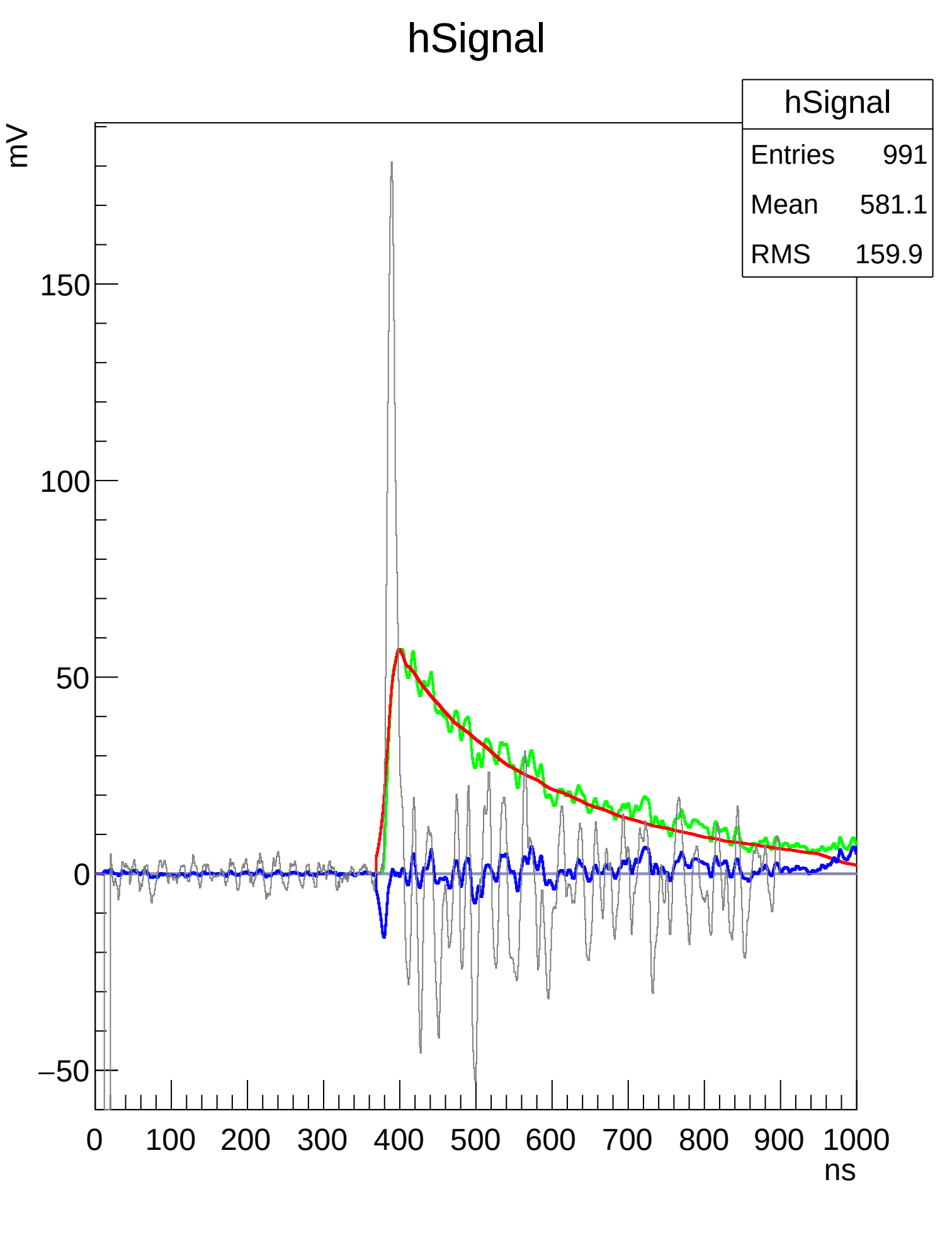

hSignal
hSignal
Entries 991
Mean 532
RMS 170.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

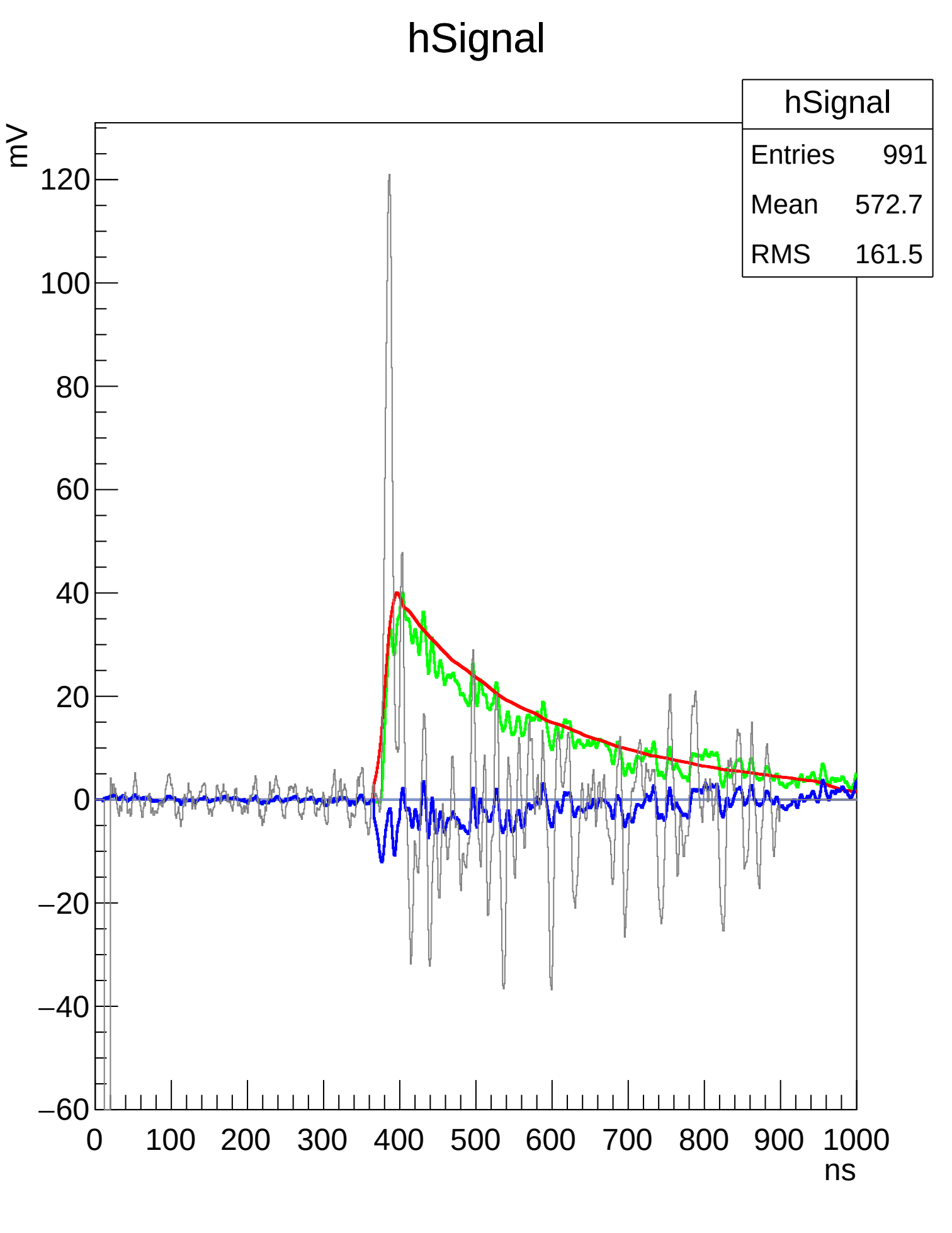

hSignal
hSignal
Entries 991
Mean 566.3
RMS 151.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

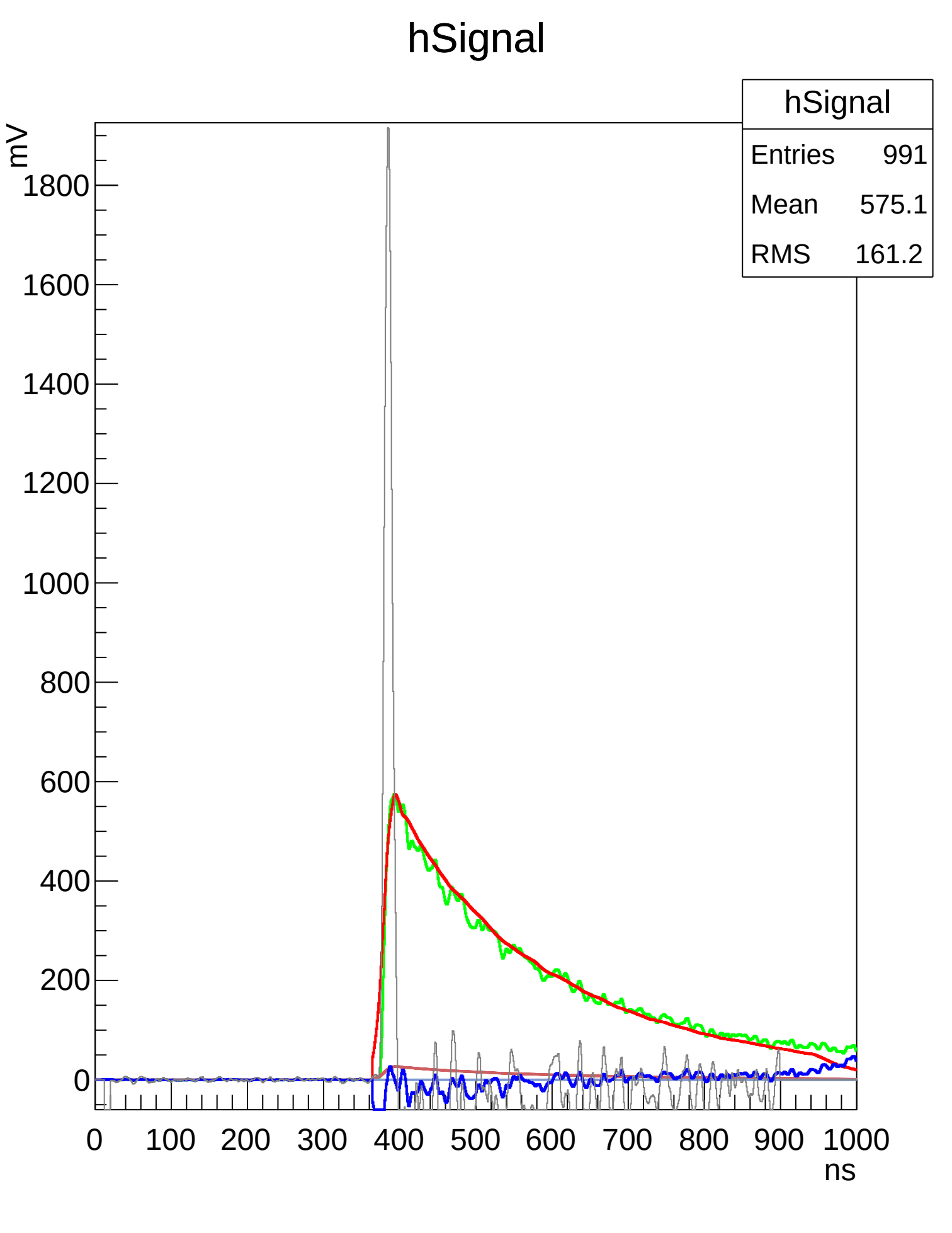

hSignal
hSignal
Entries 991
Mean 580.7
RMS 148.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

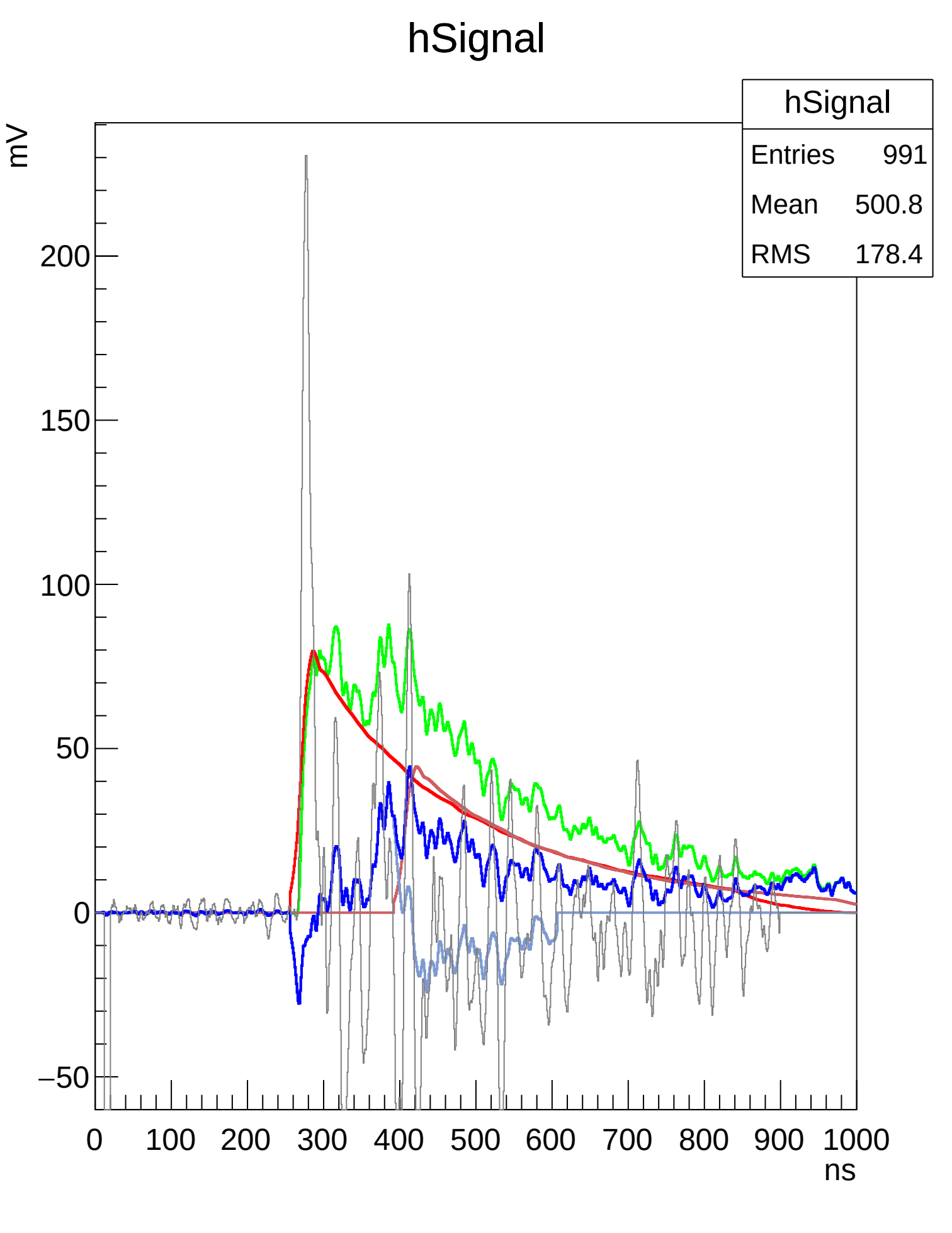

hSignal
hSignal
Entries 991
Mean 527.3
RMS 167
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

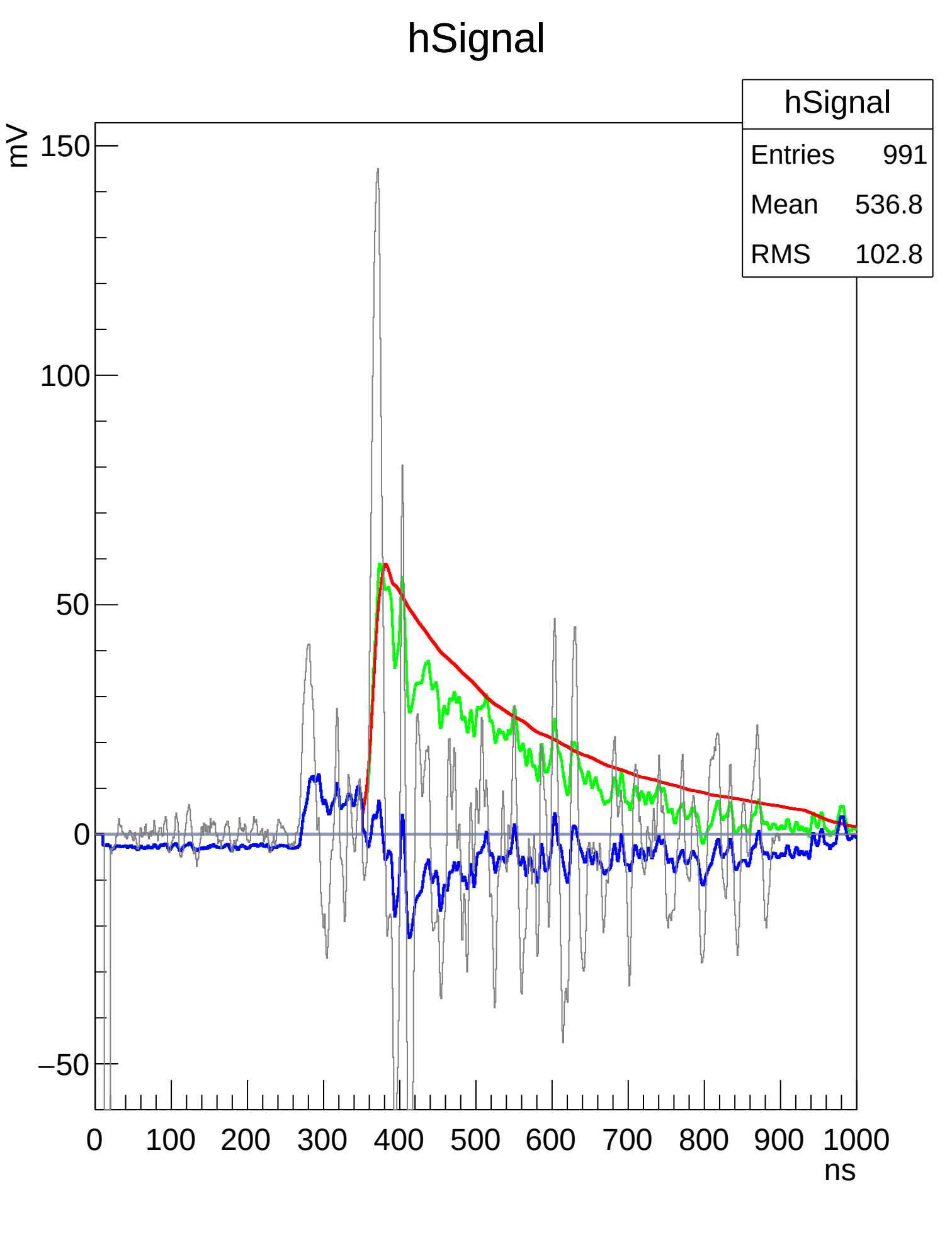

hSignal
hSignal
Entries 991
Mean 576
RMS 158.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

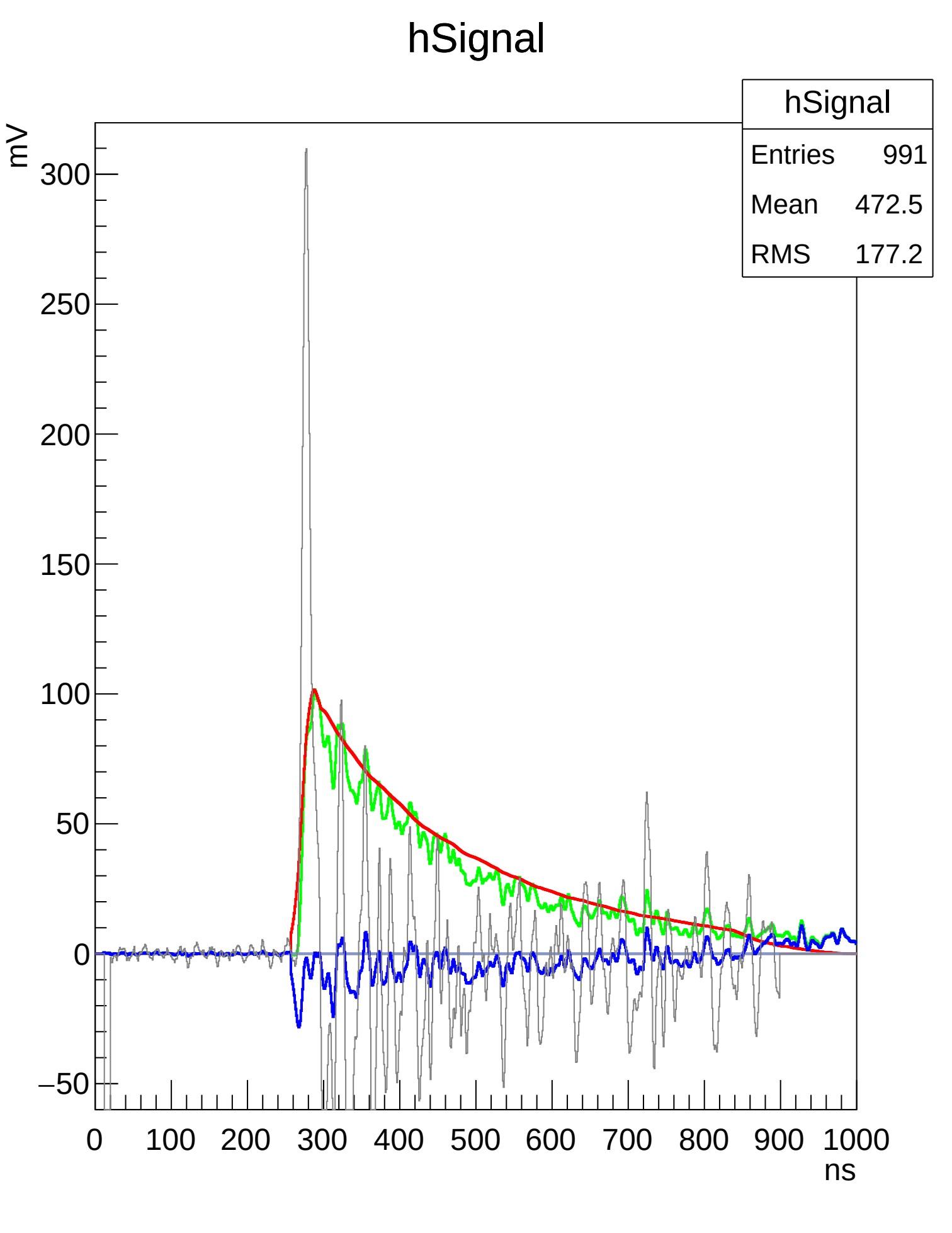

hSignal
hSignal
Entries 991
Mean 581.1
RMS 159.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

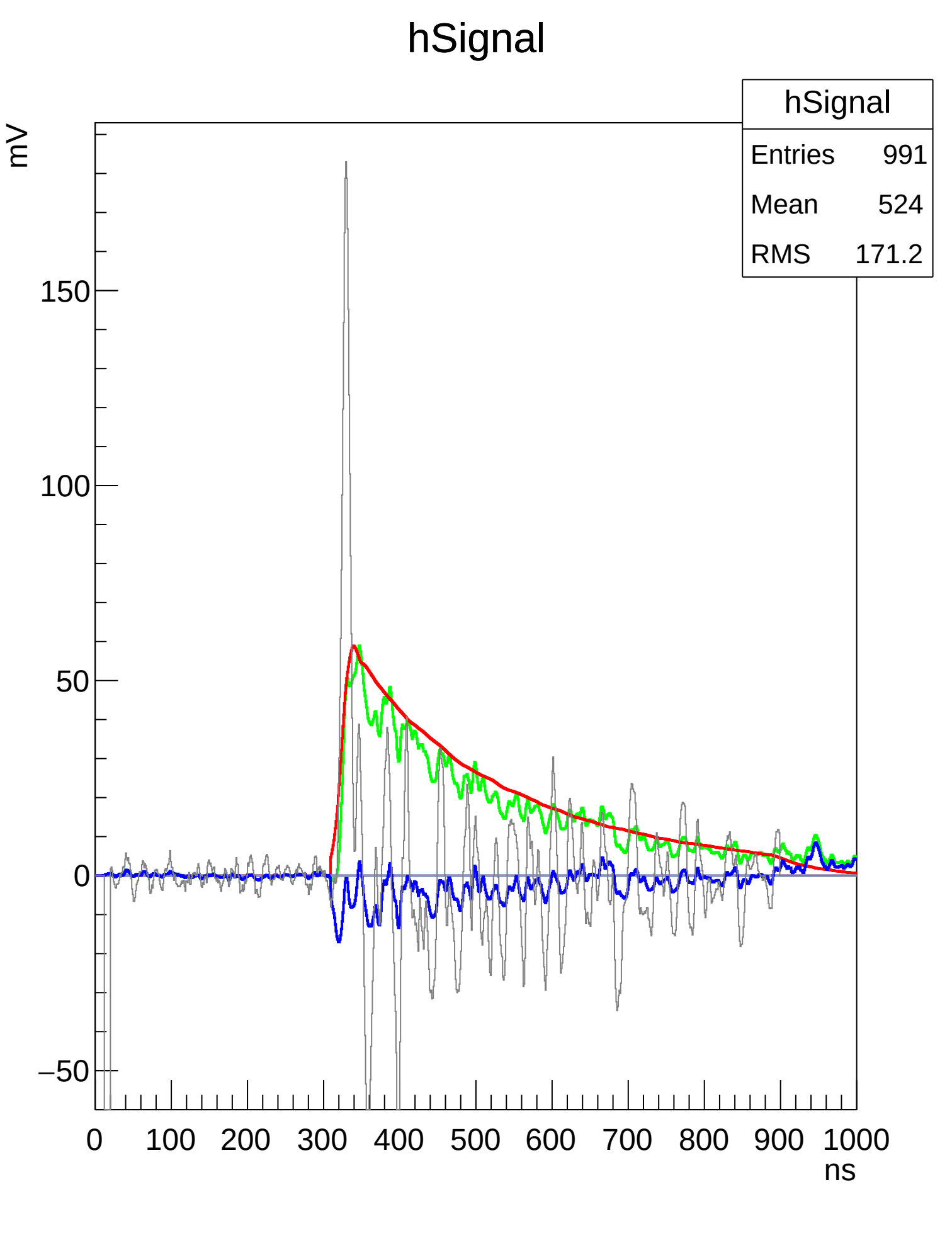

hSignal
hSignal
Entries 991
Mean 572.7
RMS 161.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

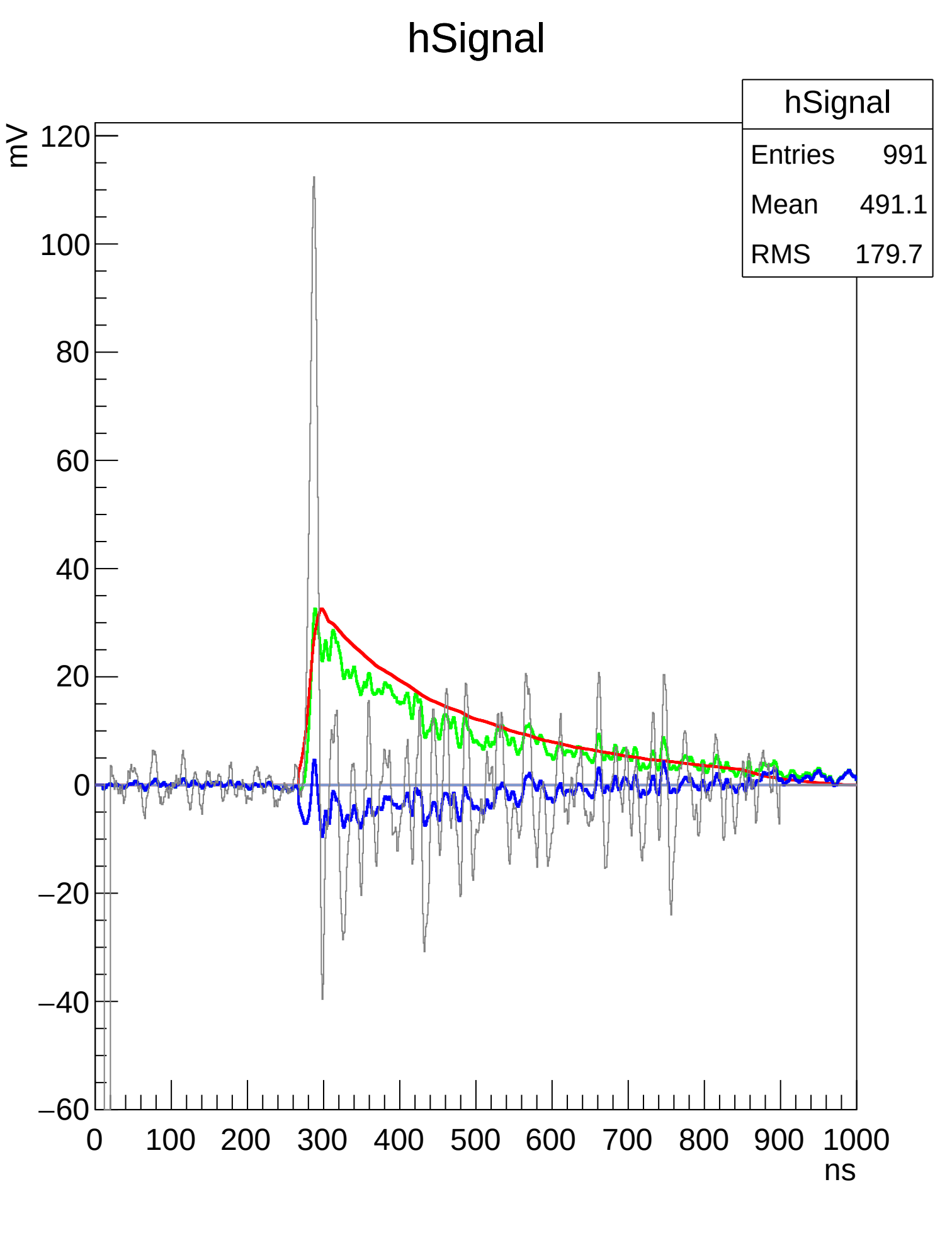

hSignal
hSignal
Entries 991
Mean 575.1
RMS 161.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

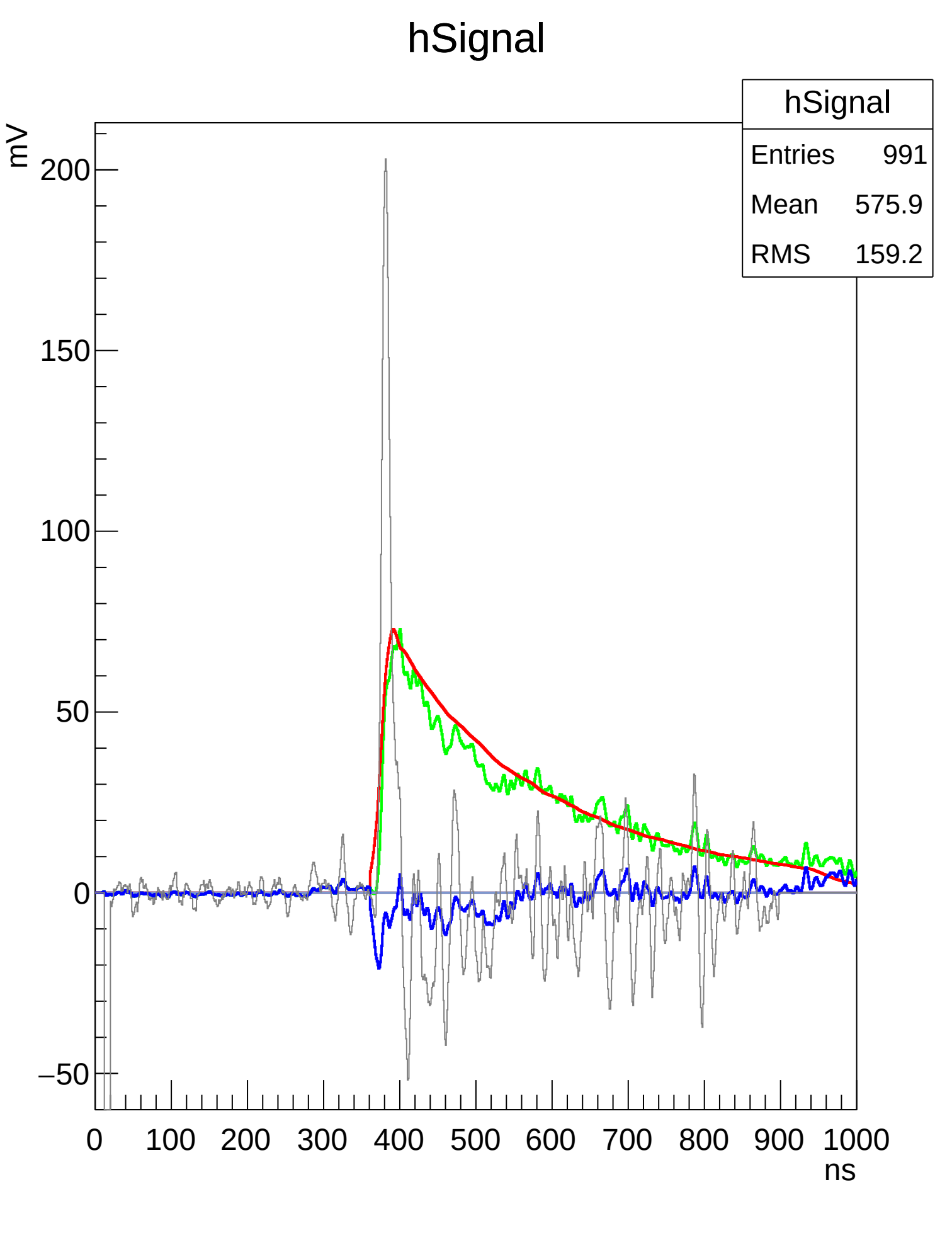

hSignal
hSignal
Entries 991
Mean 500.8
RMS 178.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

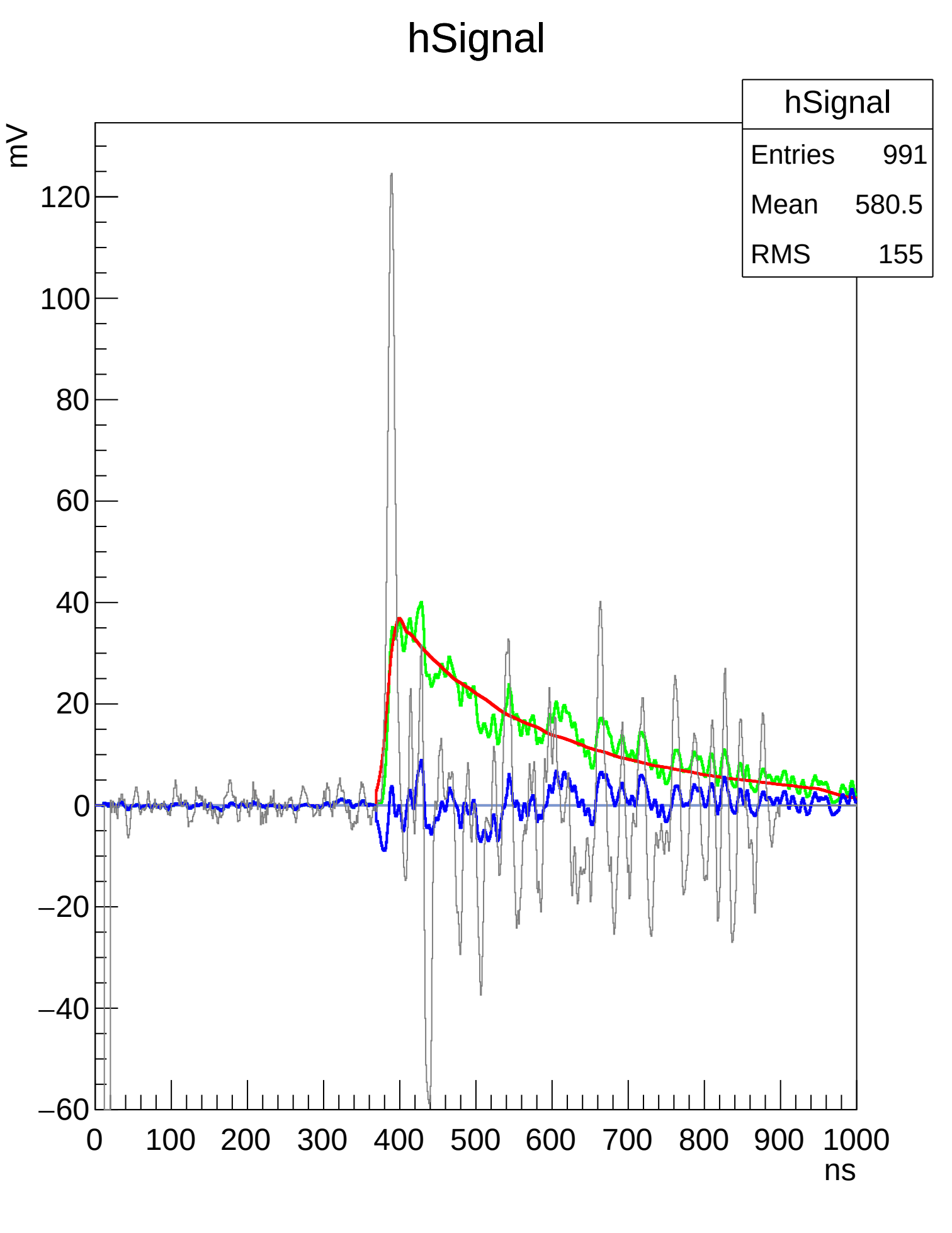

hSignal
hSignal
Entries 991
Mean 536.8
RMS 102.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

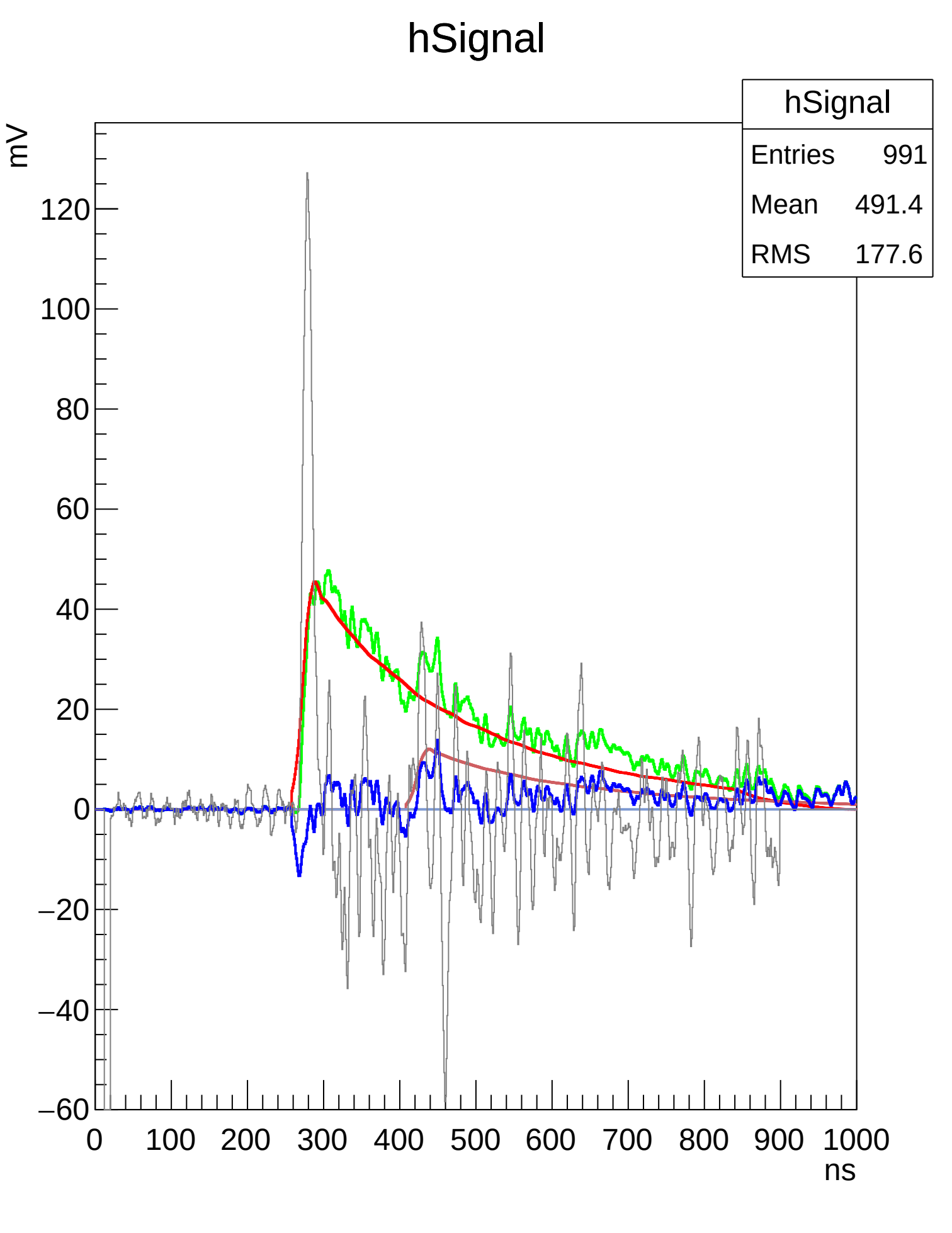

hSignal
hSignal
Entries 991
Mean 472.5
RMS 177.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

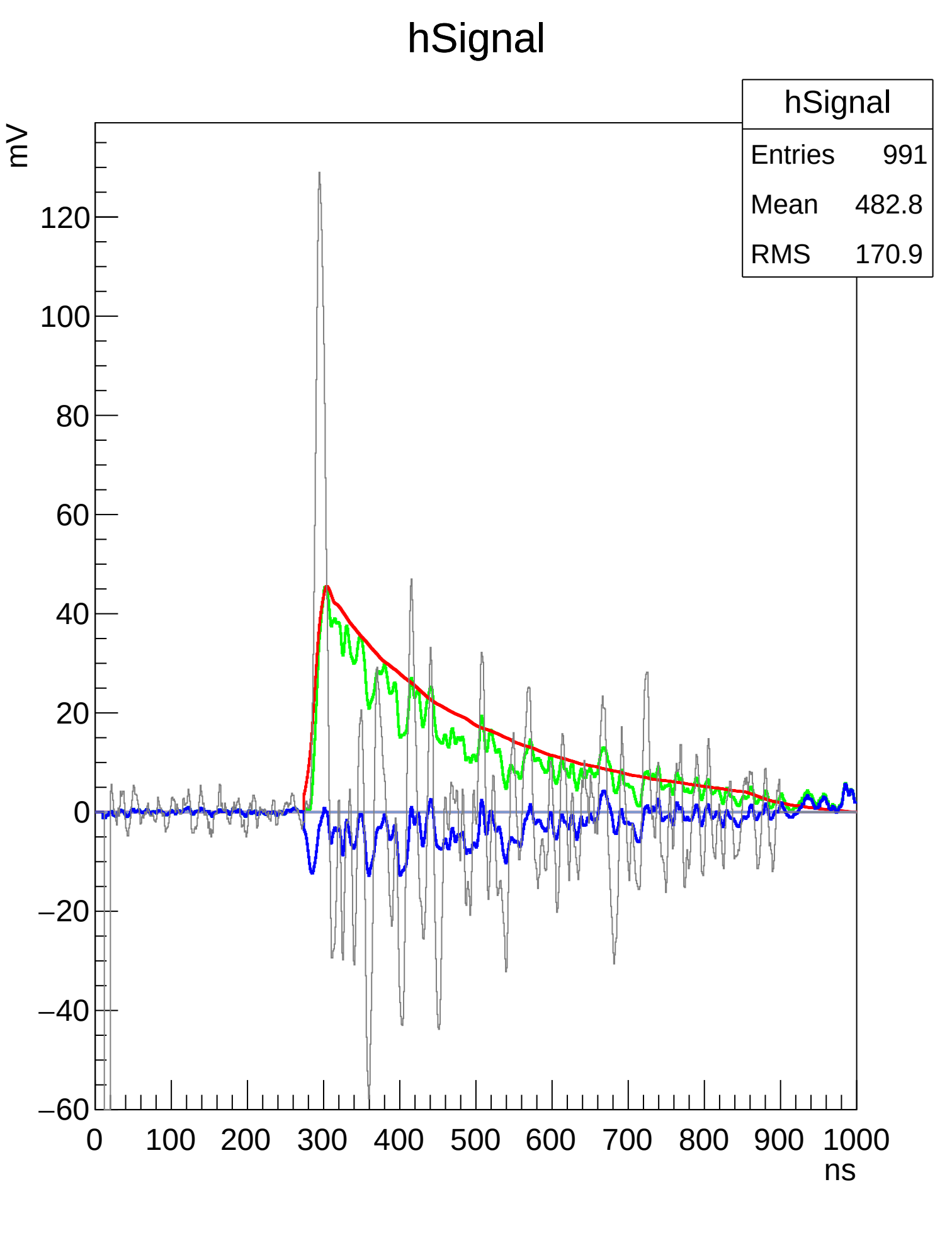

hSignal
hSignal
Entries 991
Mean 524
RMS 171.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

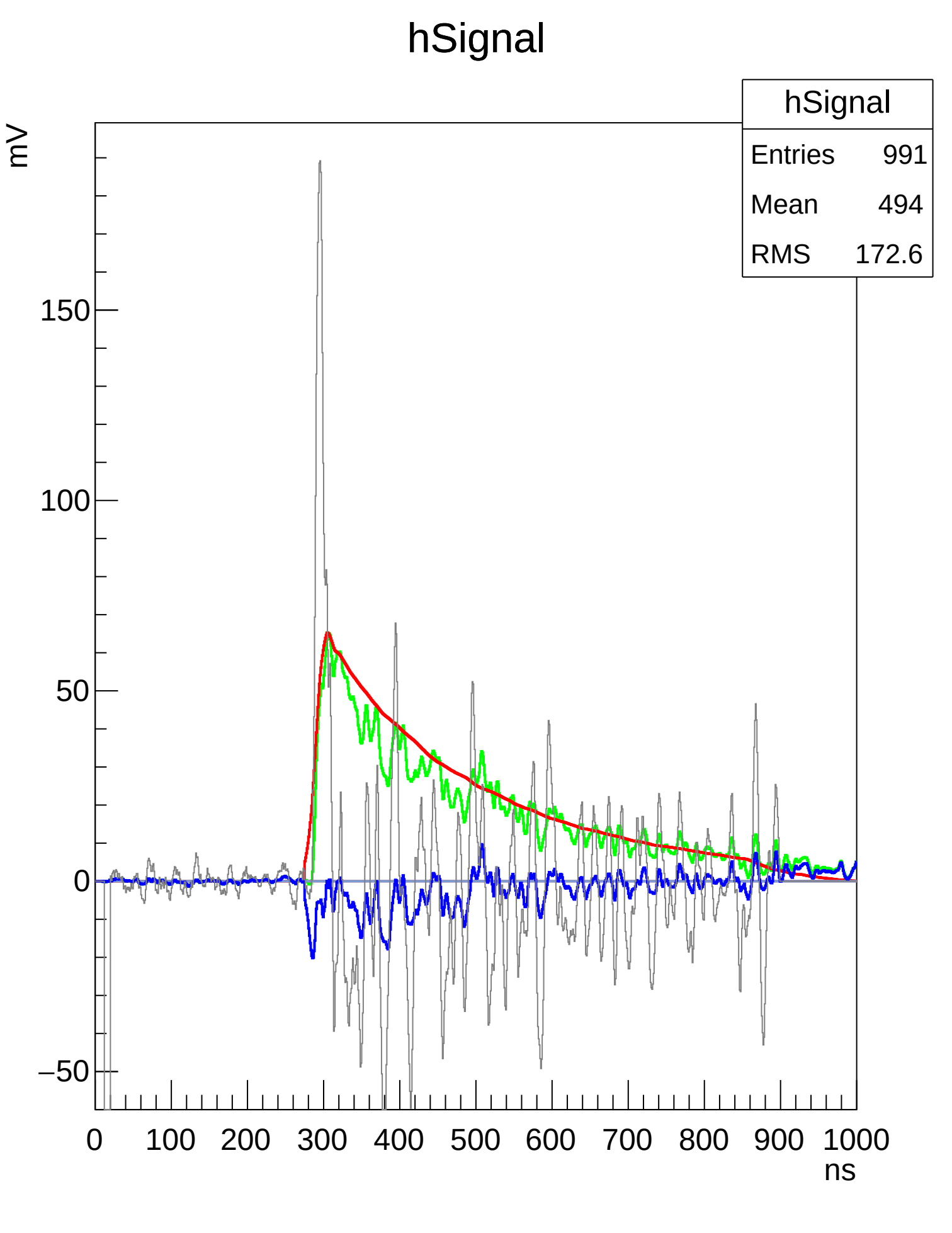

hSignal
hSignal
Entries 991
Mean 491.1
RMS 179.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

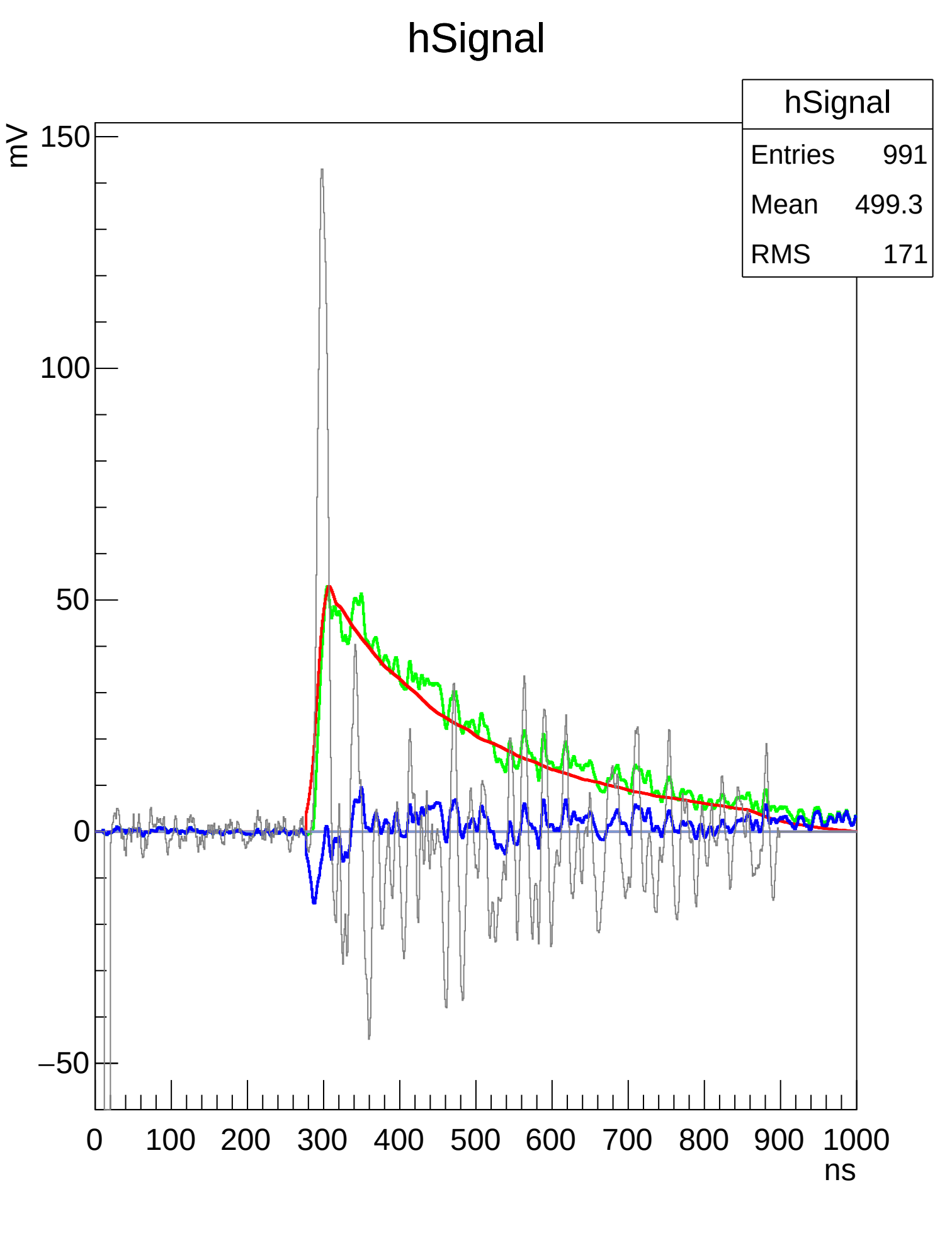

hSignal
hSignal
Entries 991
Mean 575.9
RMS 159.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

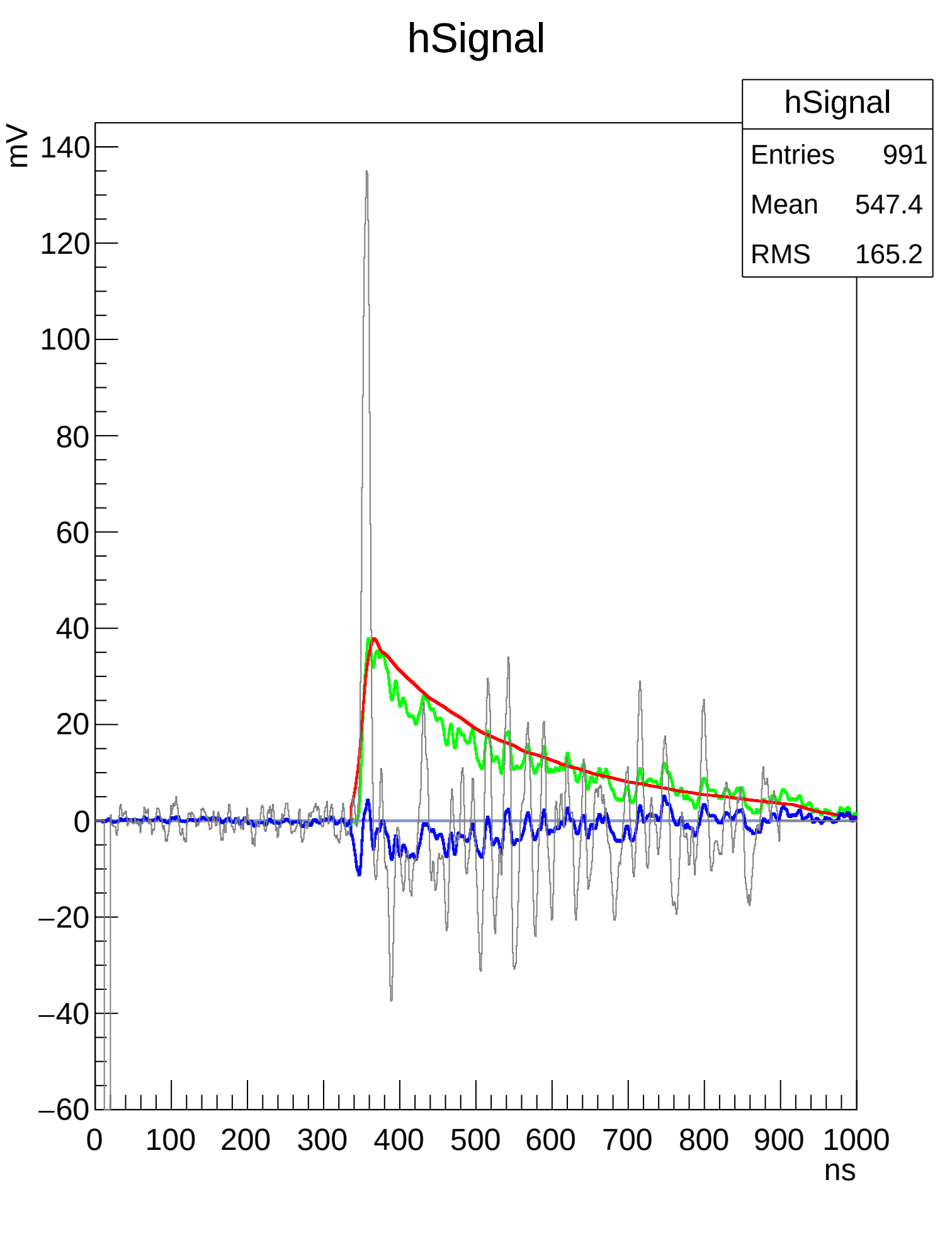

hSignal
hSignal
Entries 991
Mean 580.5
RMS 155
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

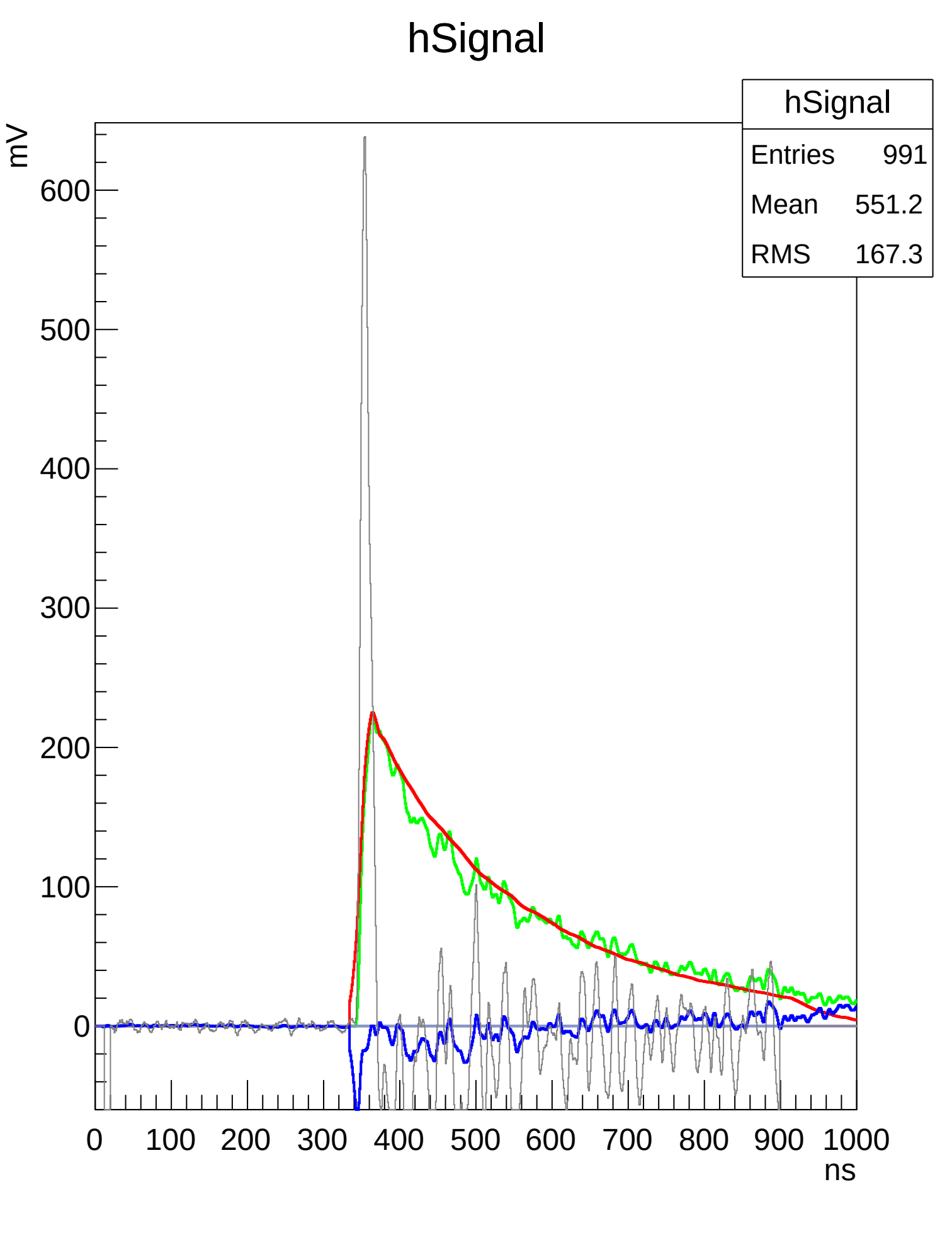

hSignal
hSignal
Entries 991
Mean 491.4
RMS 177.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

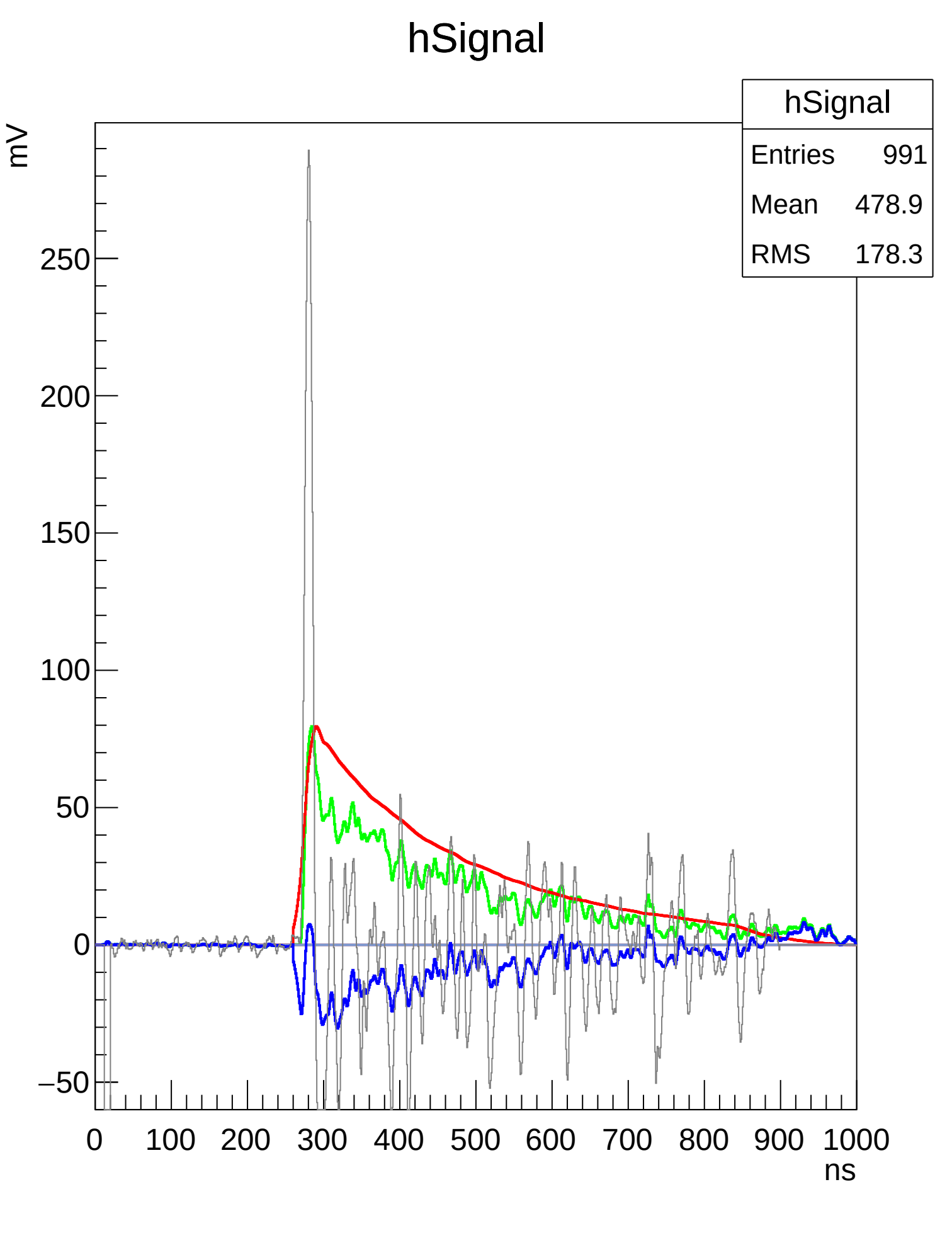

hSignal
hSignal
Entries 991
Mean 482.8
RMS 170.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

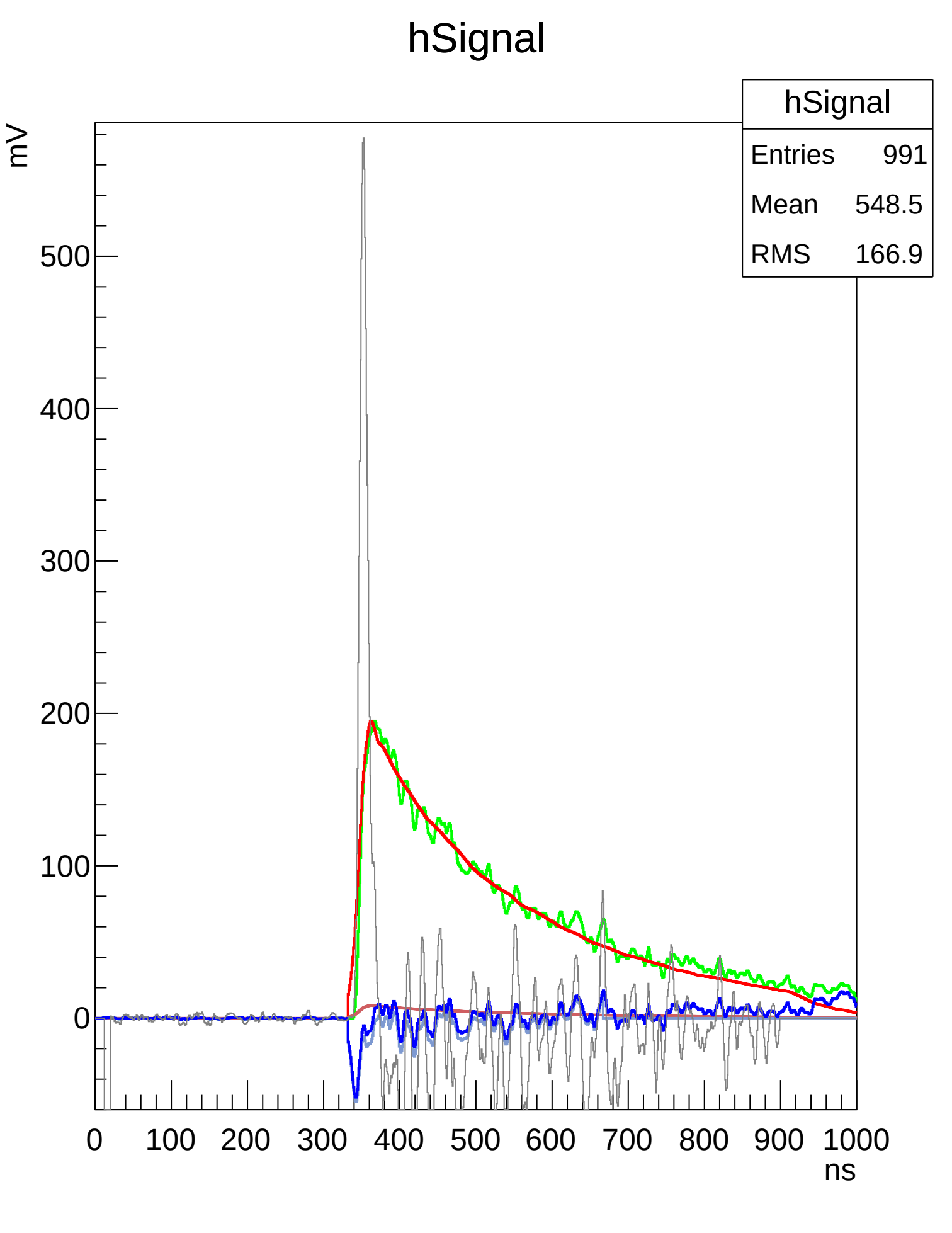

hSignal
hSignal
Entries 991
Mean 494
RMS 172.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

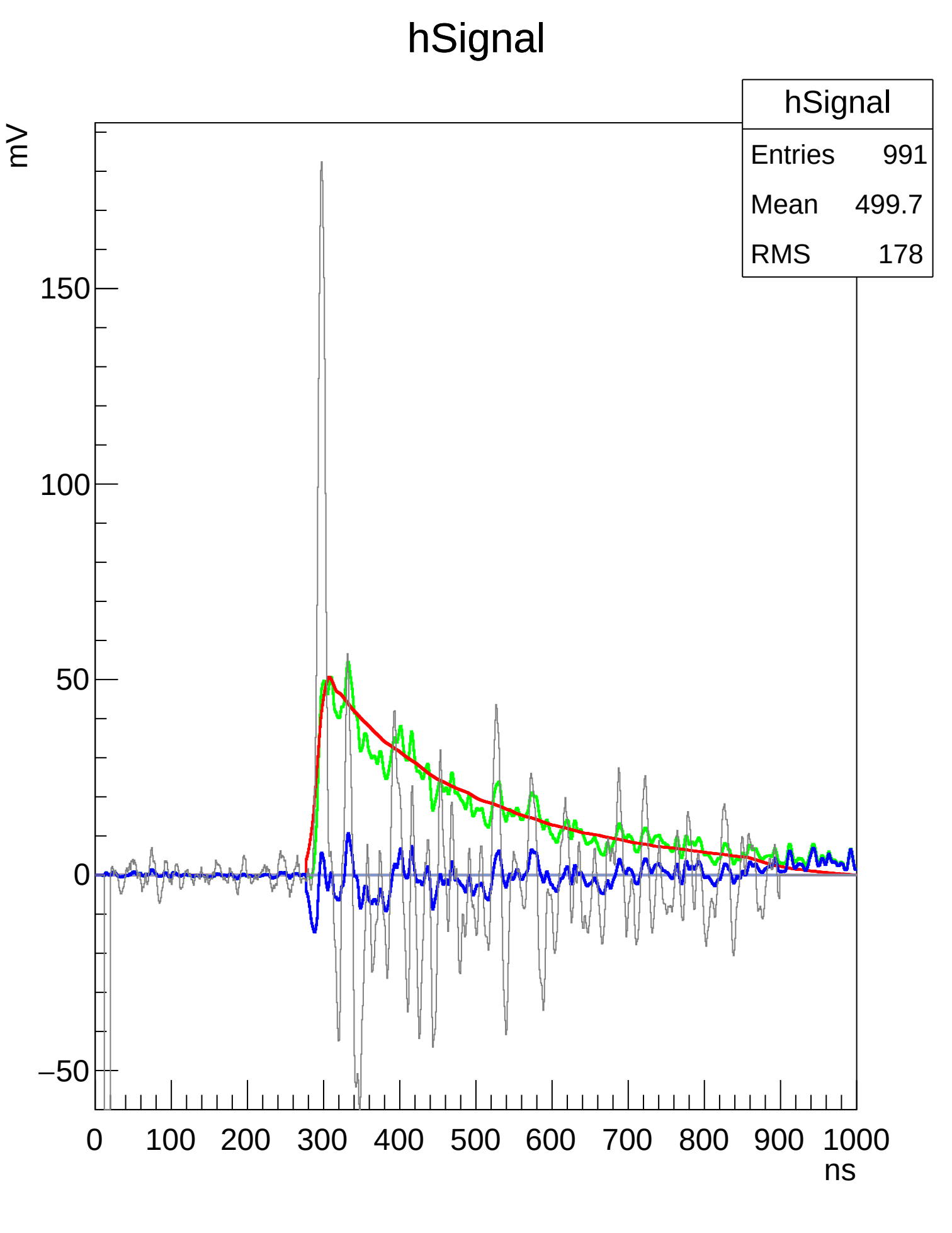

hSignal
hSignal
Entries 991
Mean 499.3
RMS 171
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

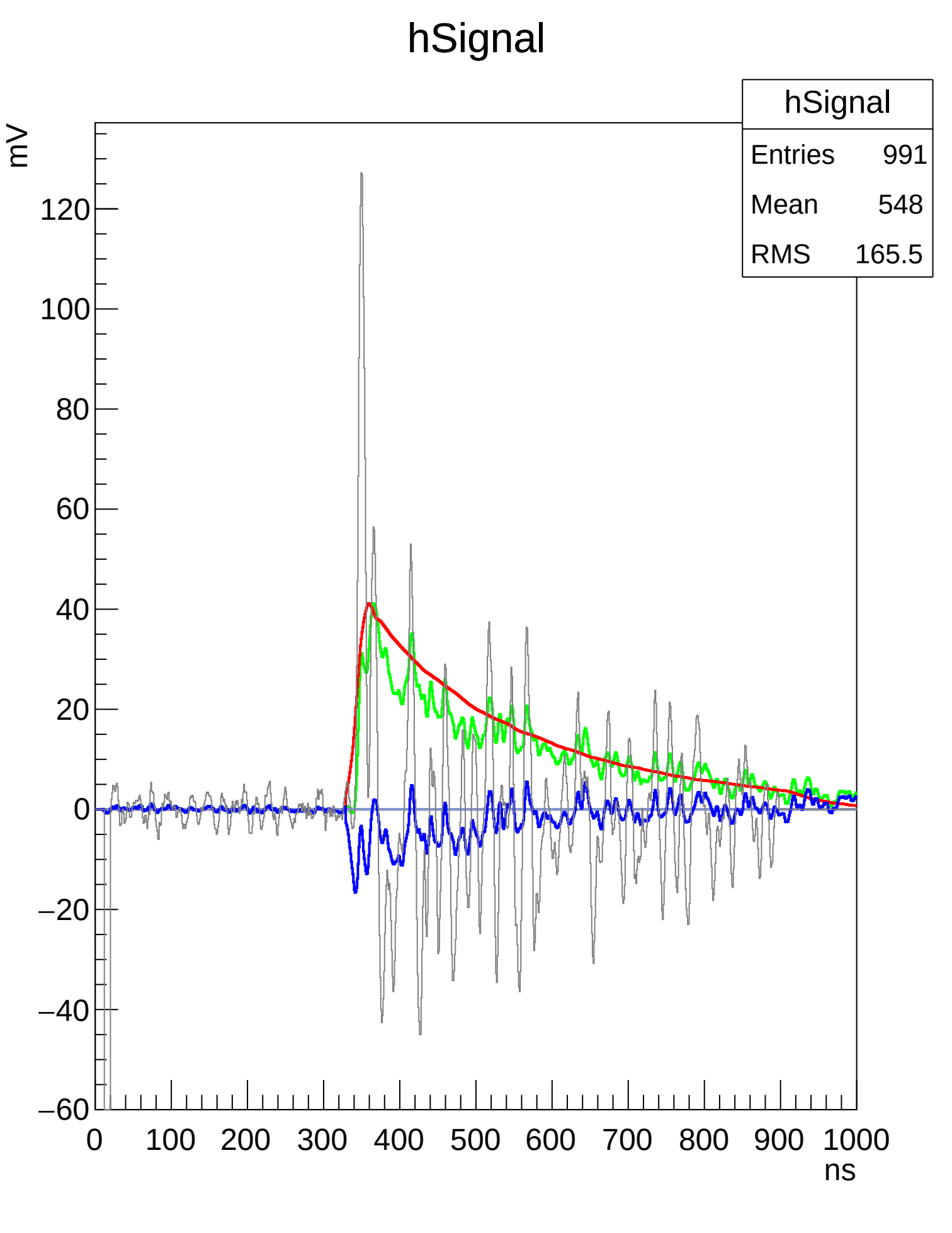

hSignal
hSignal
Entries 991
Mean 547.4
RMS 165.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

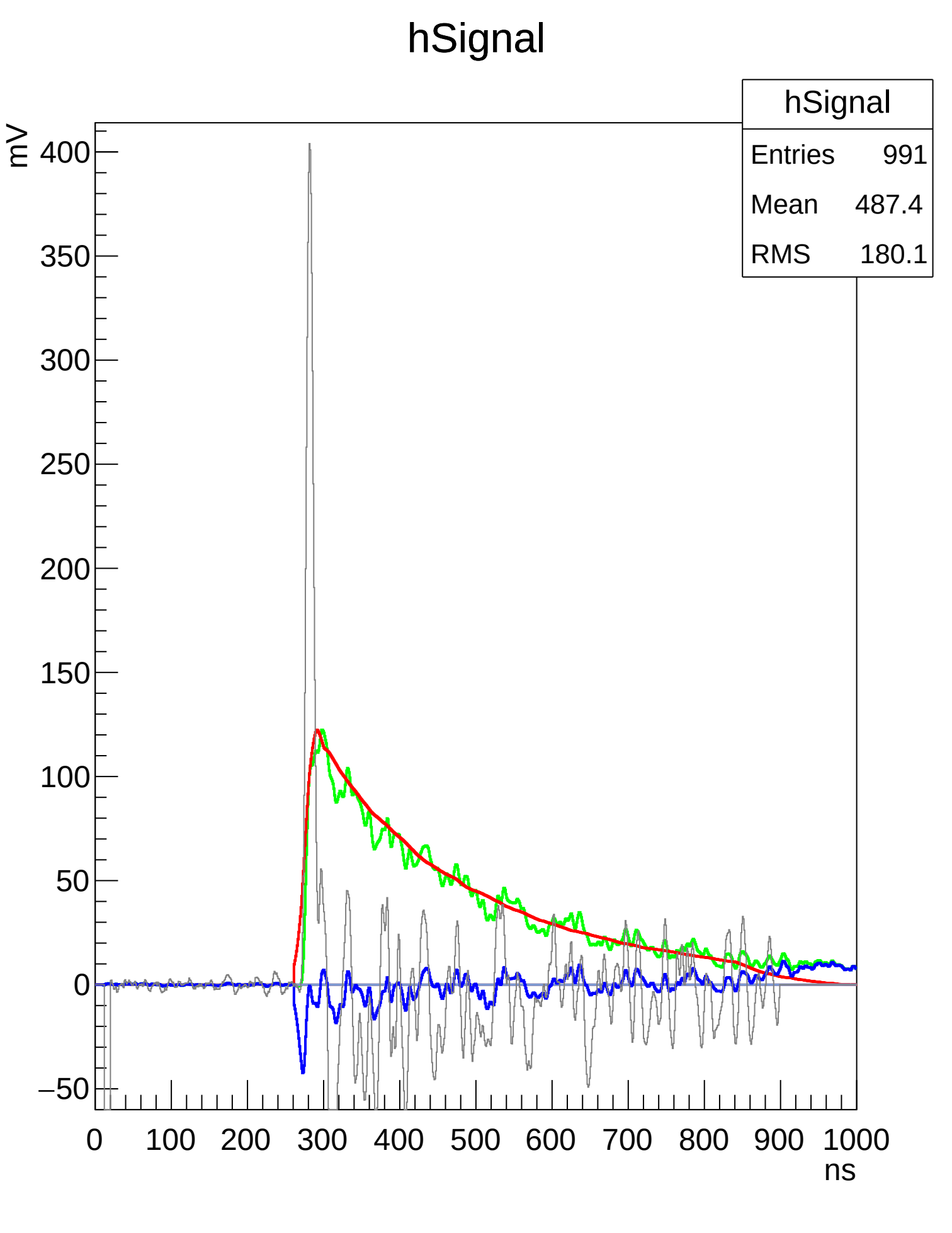

hSignal
hSignal
Entries 991
Mean 551.2
RMS 167.3
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

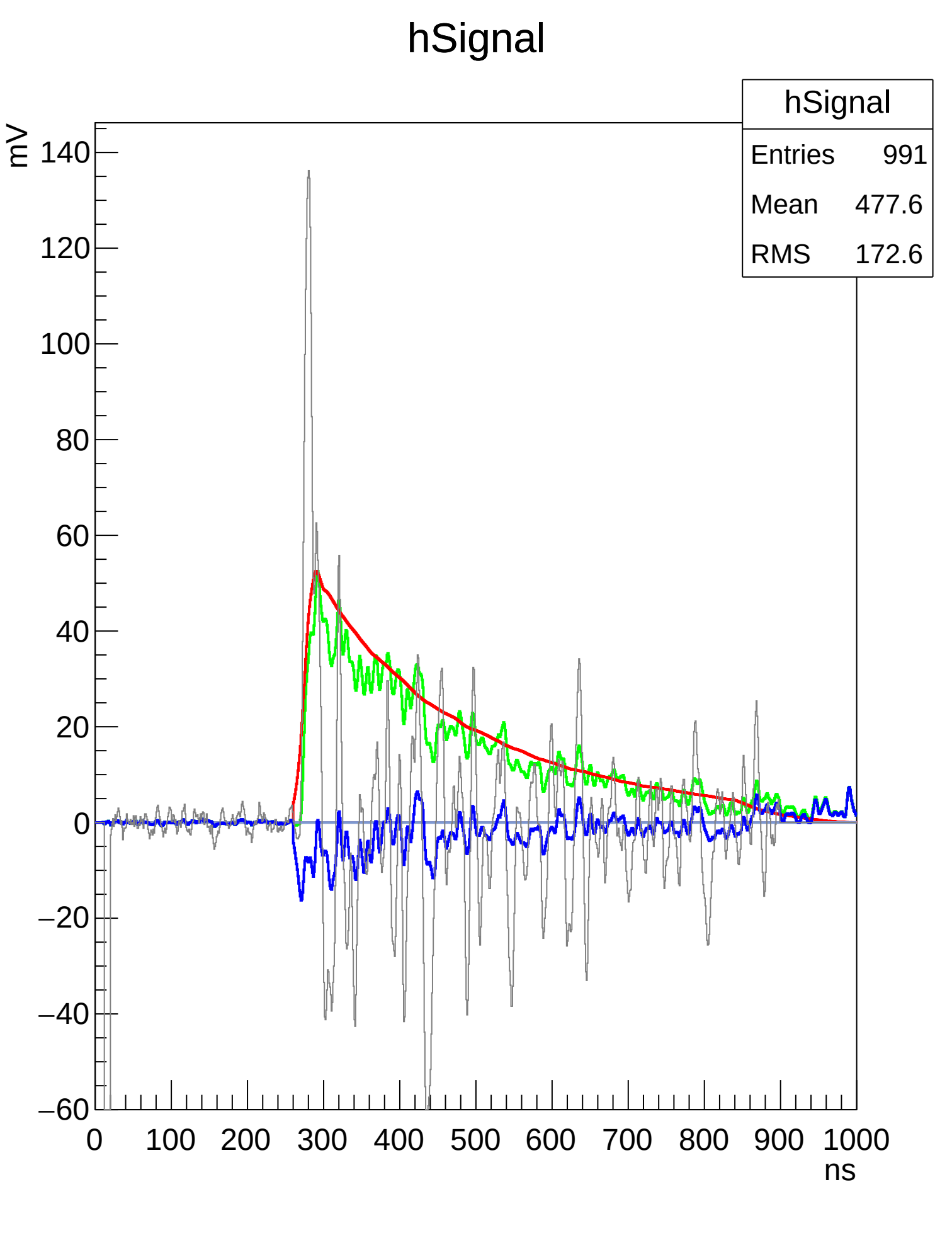

hSignal
hSignal
Entries 991
Mean 478.9
RMS 178.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

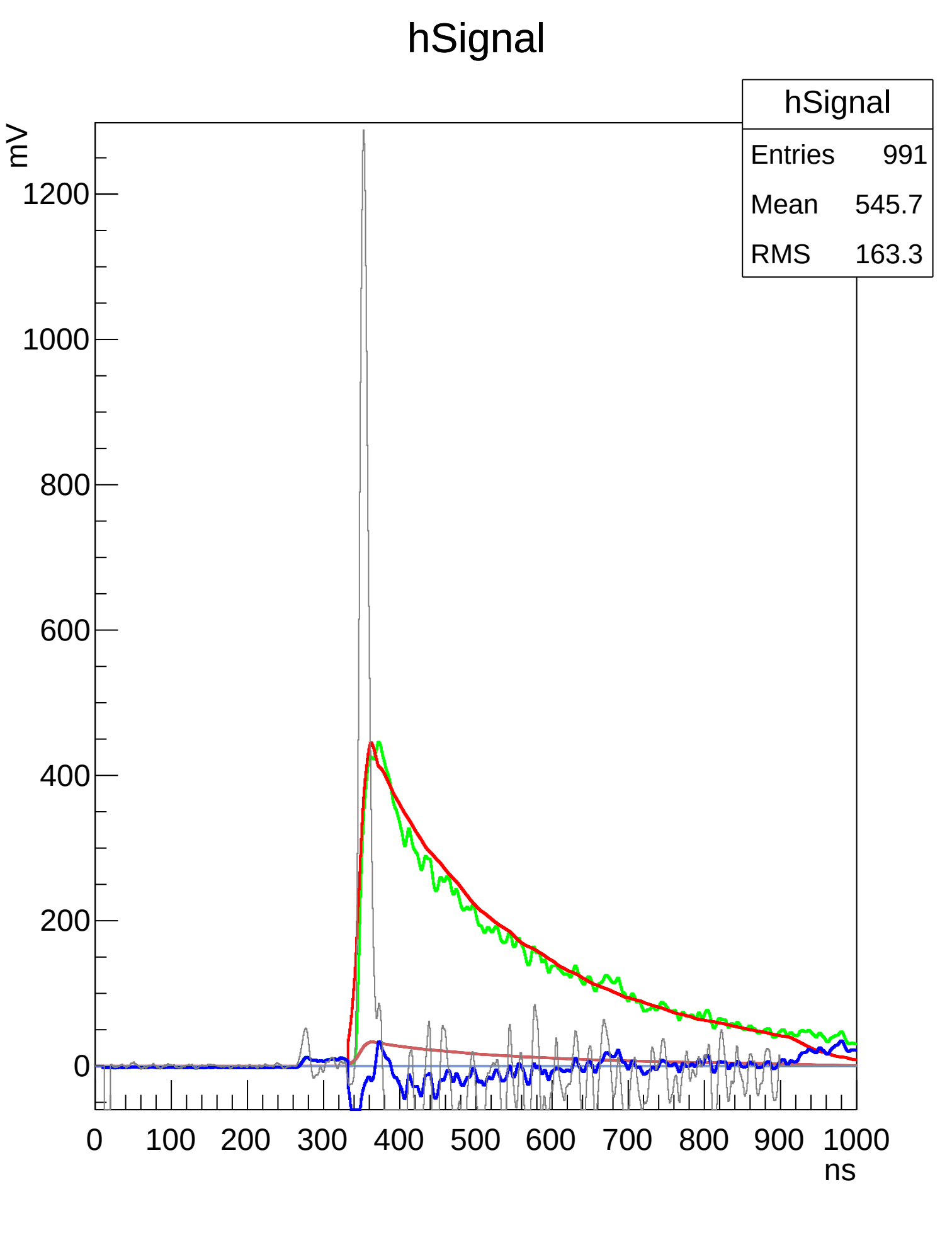

hSignal
hSignal
Entries 991
Mean 548.5
RMS 166.9
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

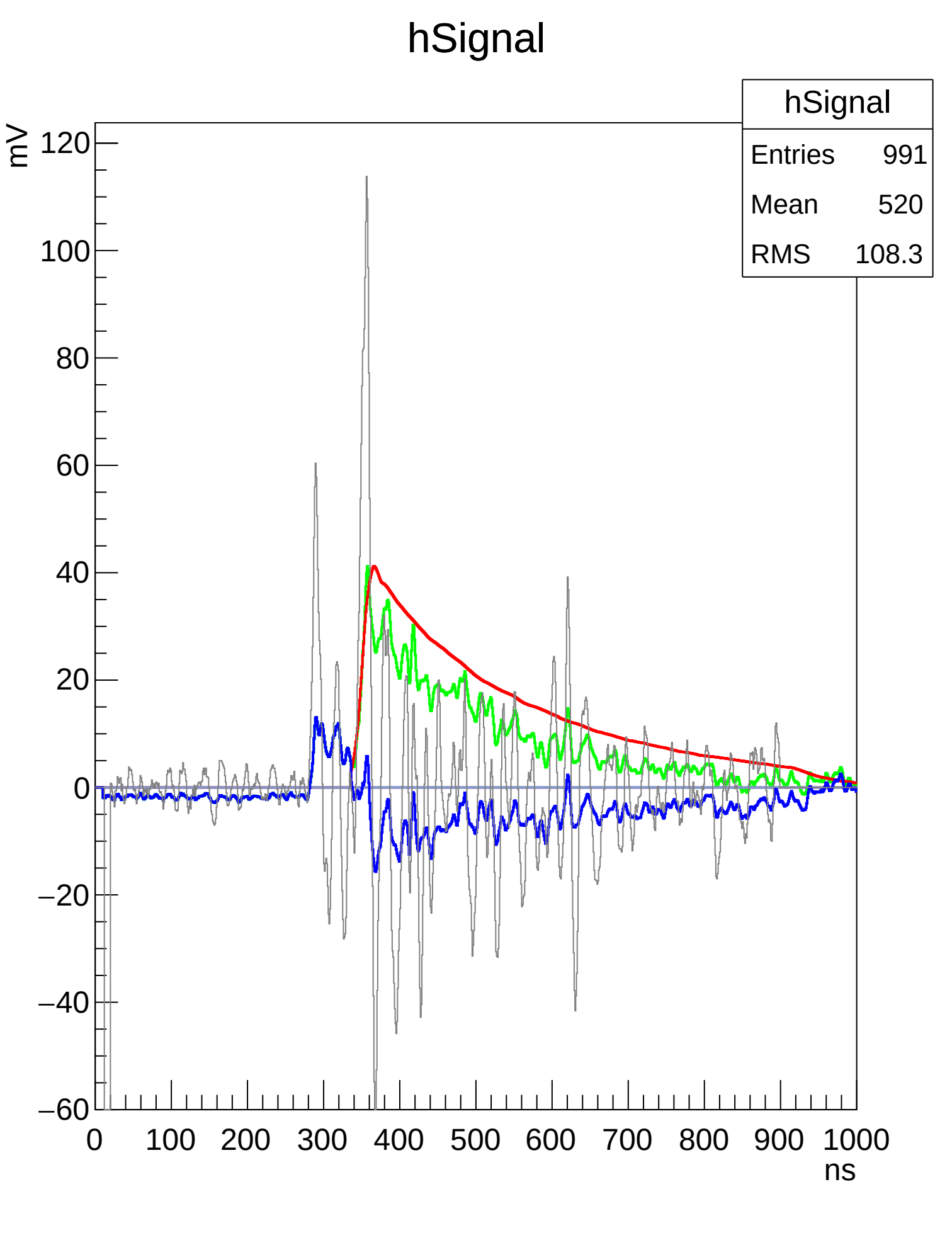

hSignal
hSignal
Entries 991
Mean 499.7
RMS 178
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

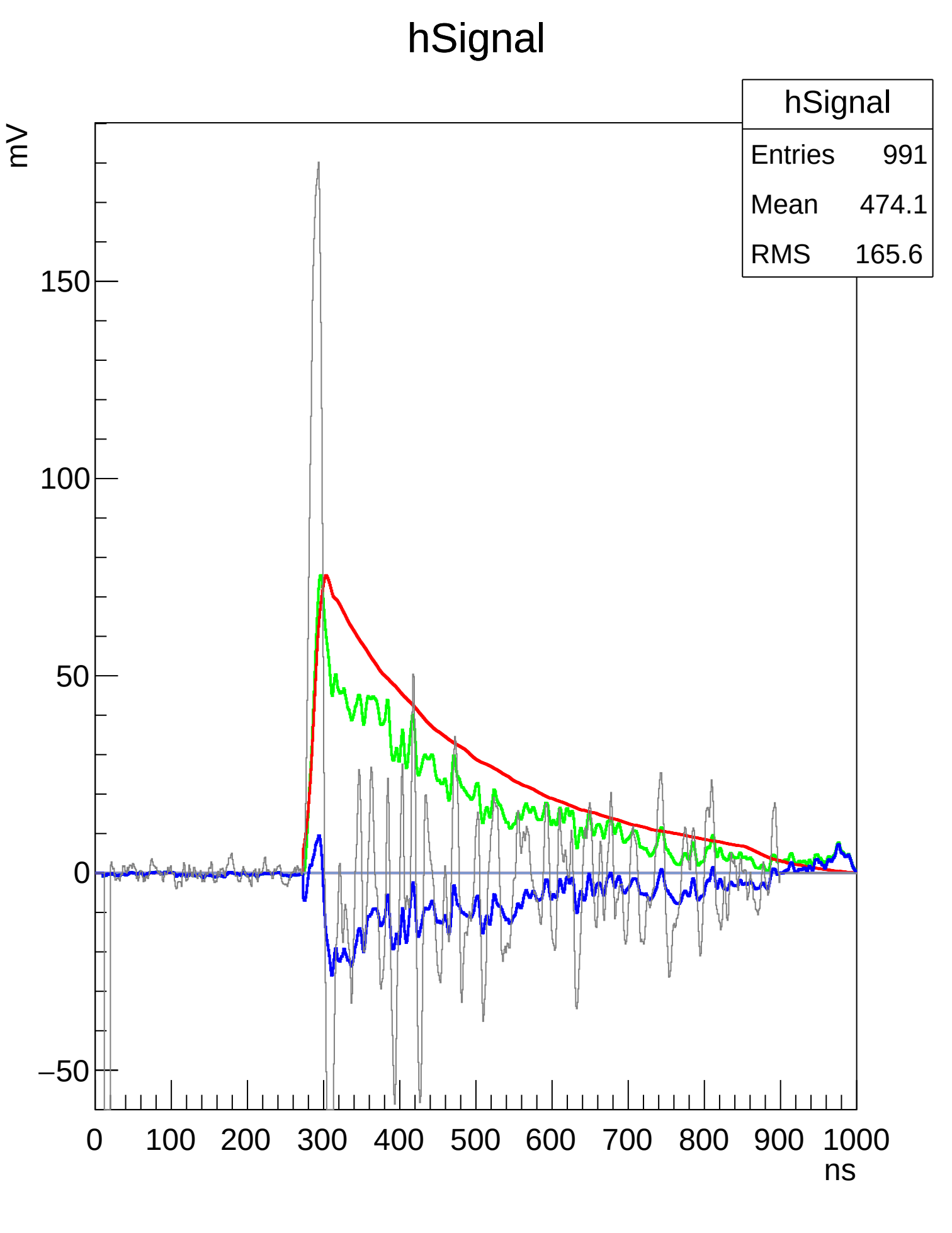

hSignal
hSignal
Entries 991
Mean 548
RMS 165.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

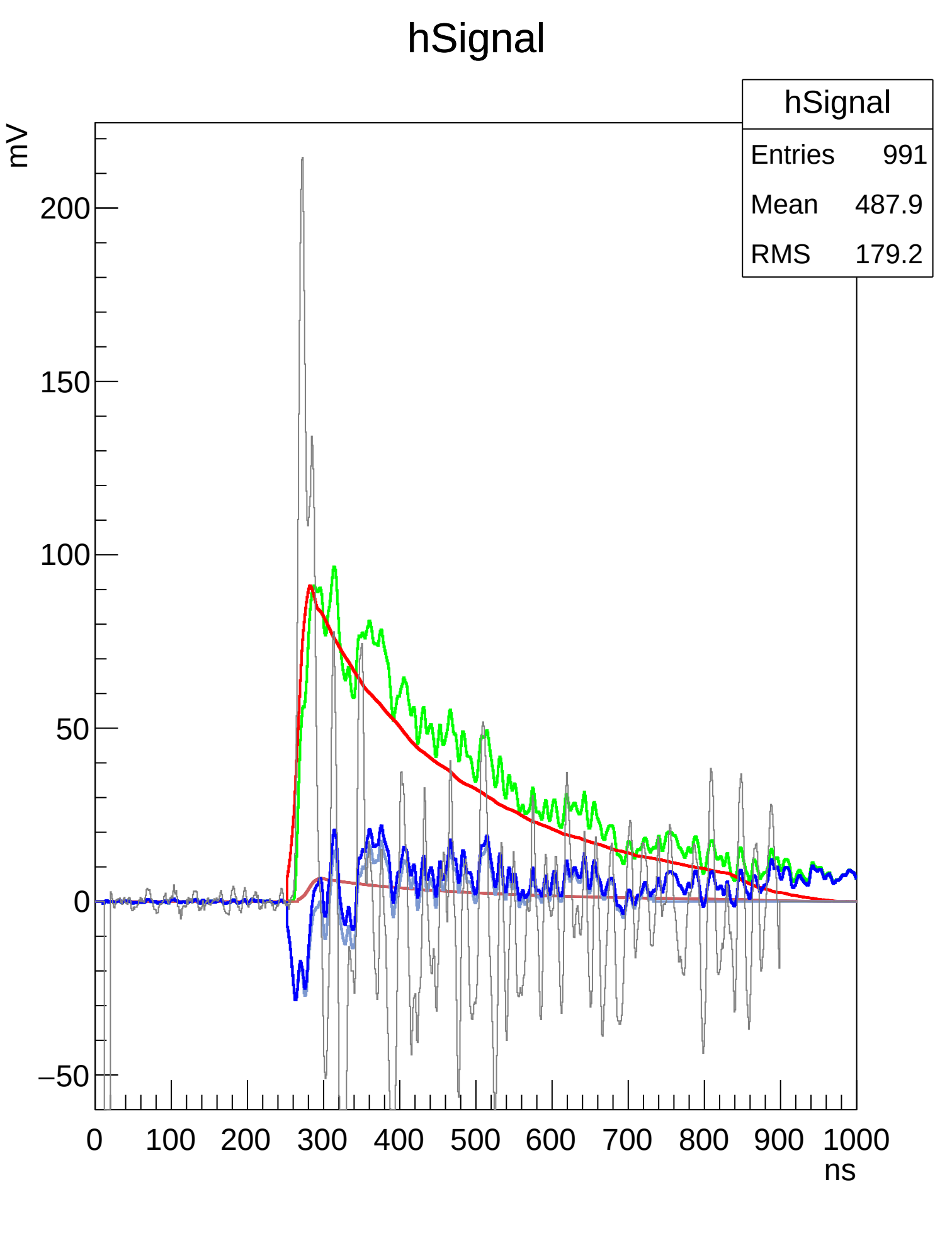

hSignal
hSignal
Entries 991
Mean 487.4
RMS 180.1
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

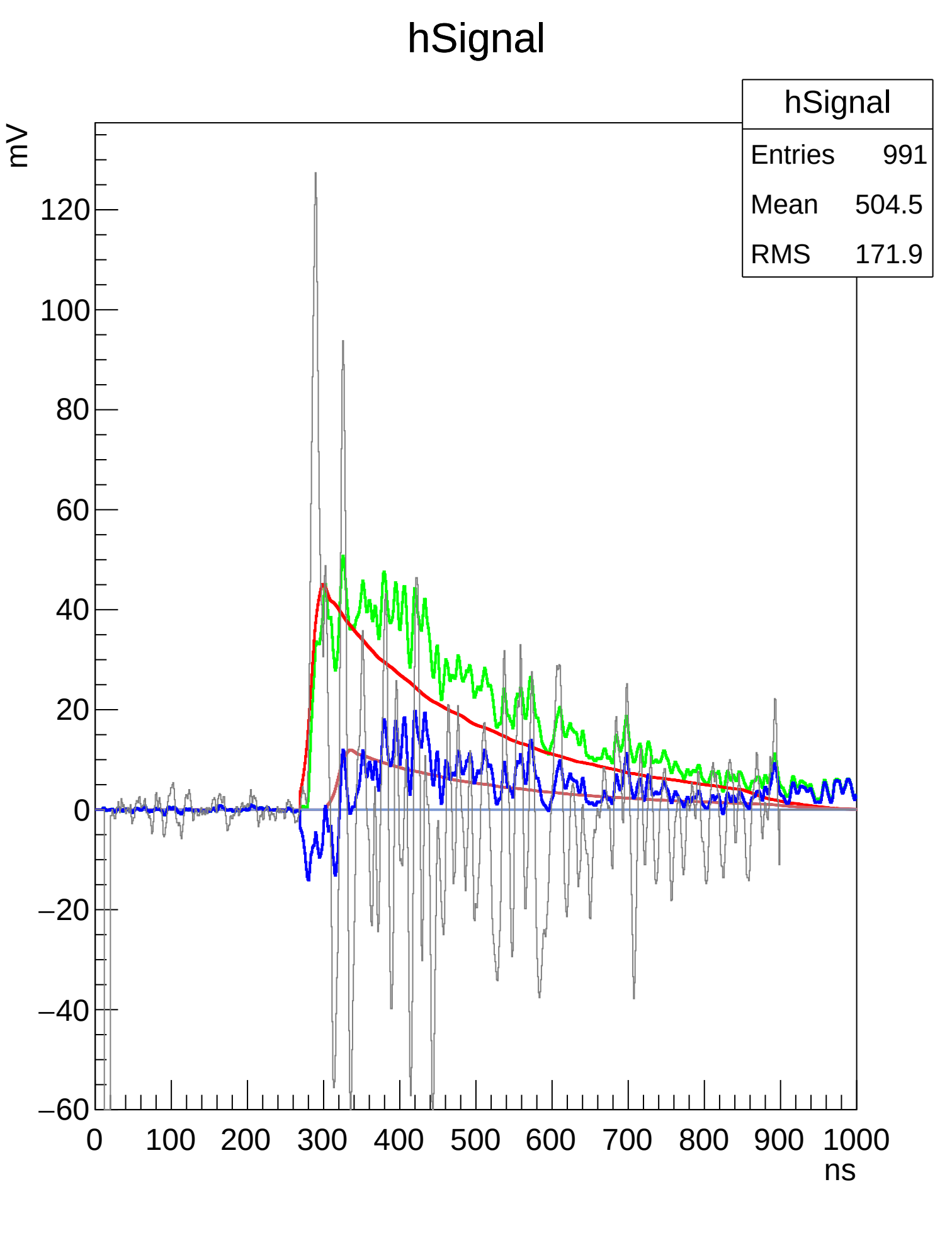

hSignal
hSignal
Entries 991
Mean 477.6
RMS 172.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

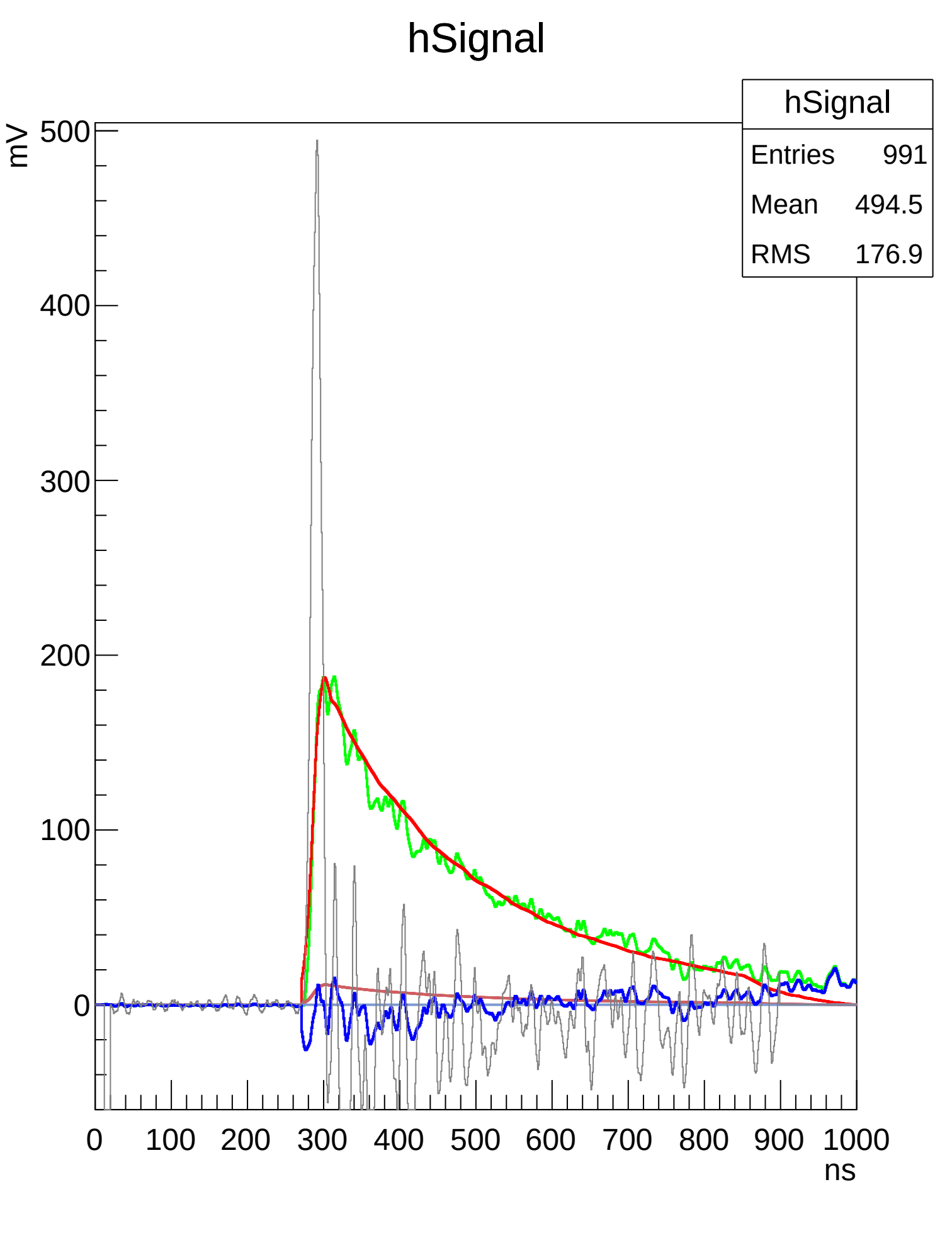

hSignal
hSignal
Entries 991
Mean 545.7
RMS 163.3
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

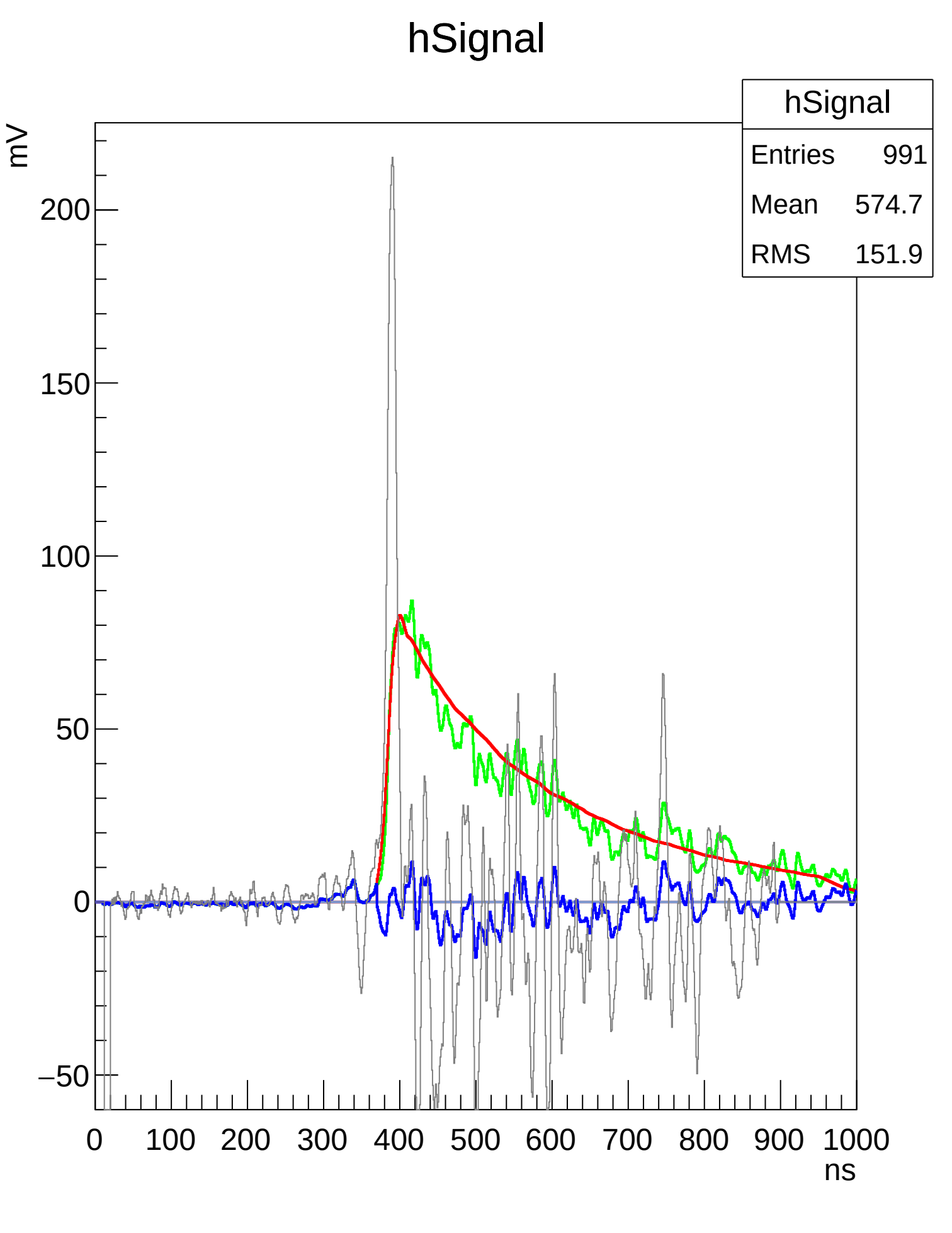

hSignal
hSignal
Entries 991
Mean 520
RMS 108.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

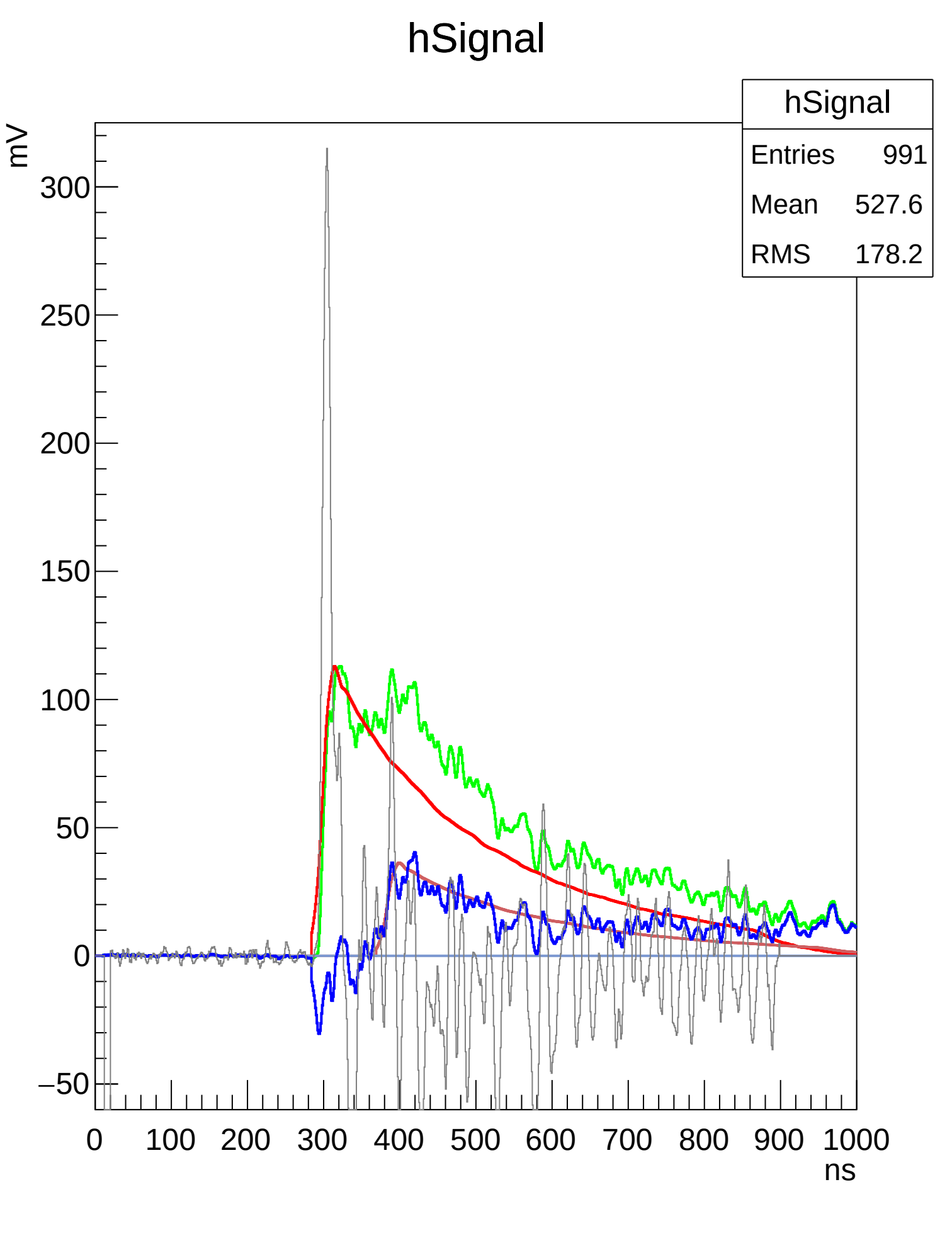

hSignal
hSignal
Entries 991
Mean 474.1
RMS 165.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

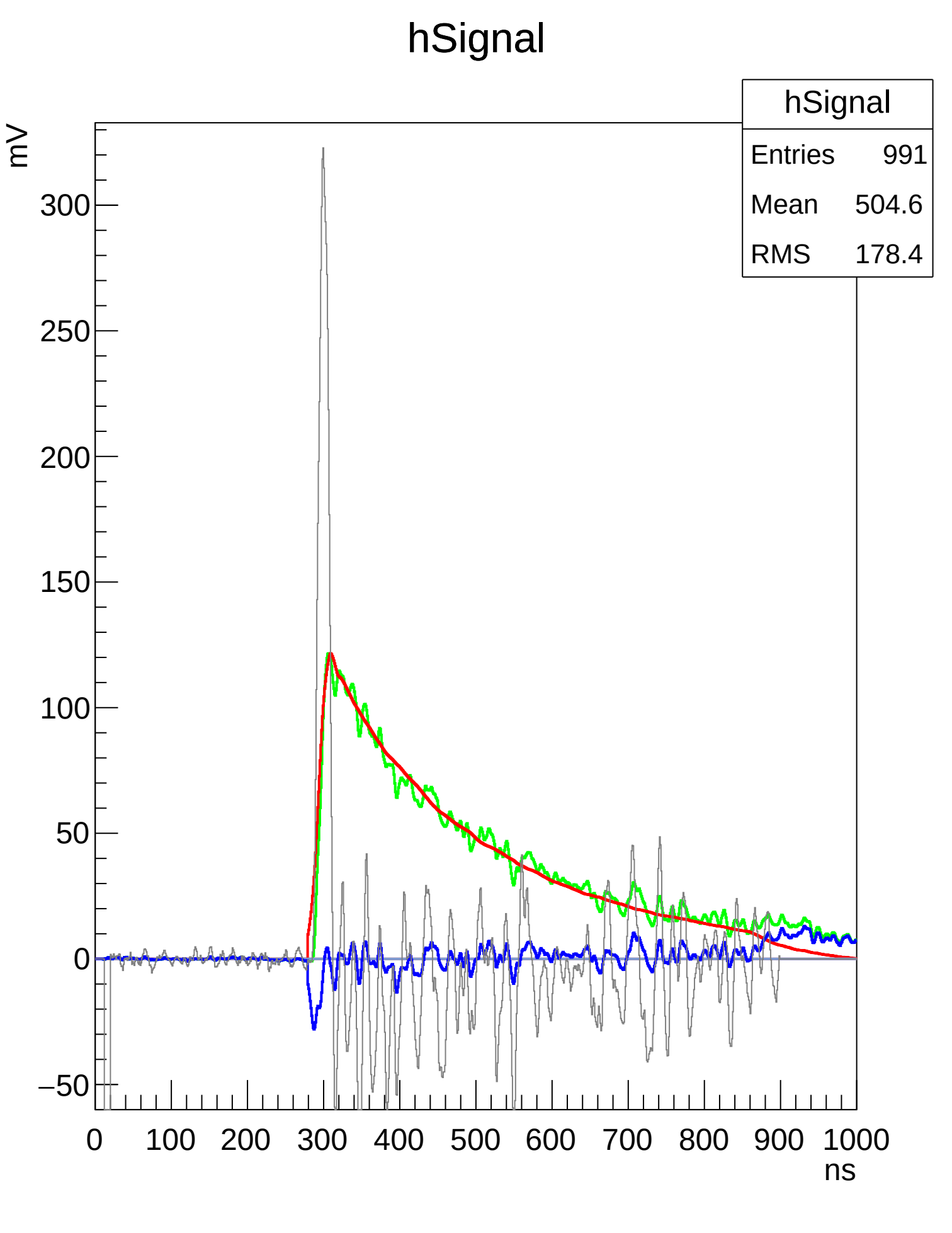

hSignal
hSignal
Entries 991
Mean 487.9
RMS 179.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

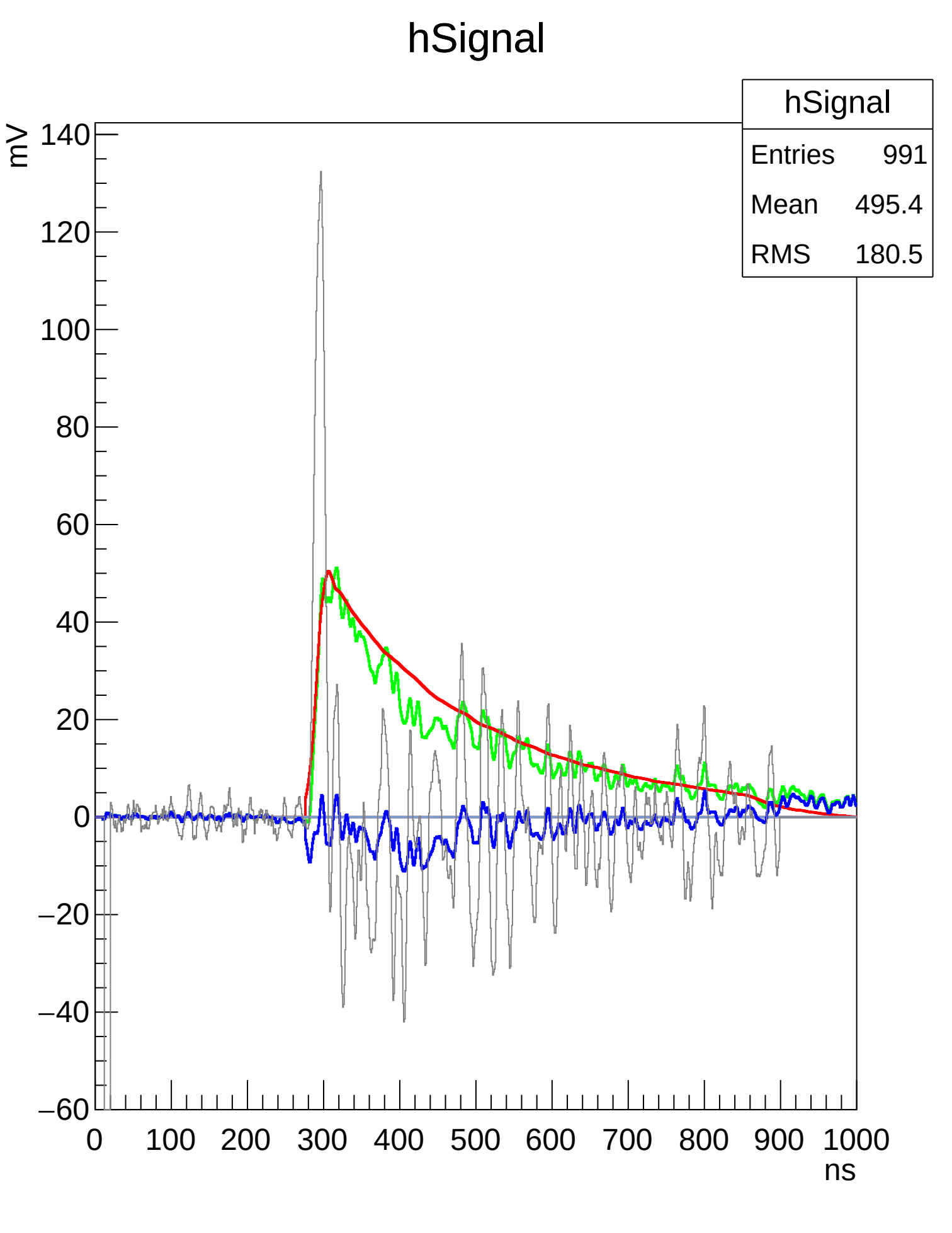

hSignal
hSignal
Entries 991
Mean 504.5
RMS 171.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

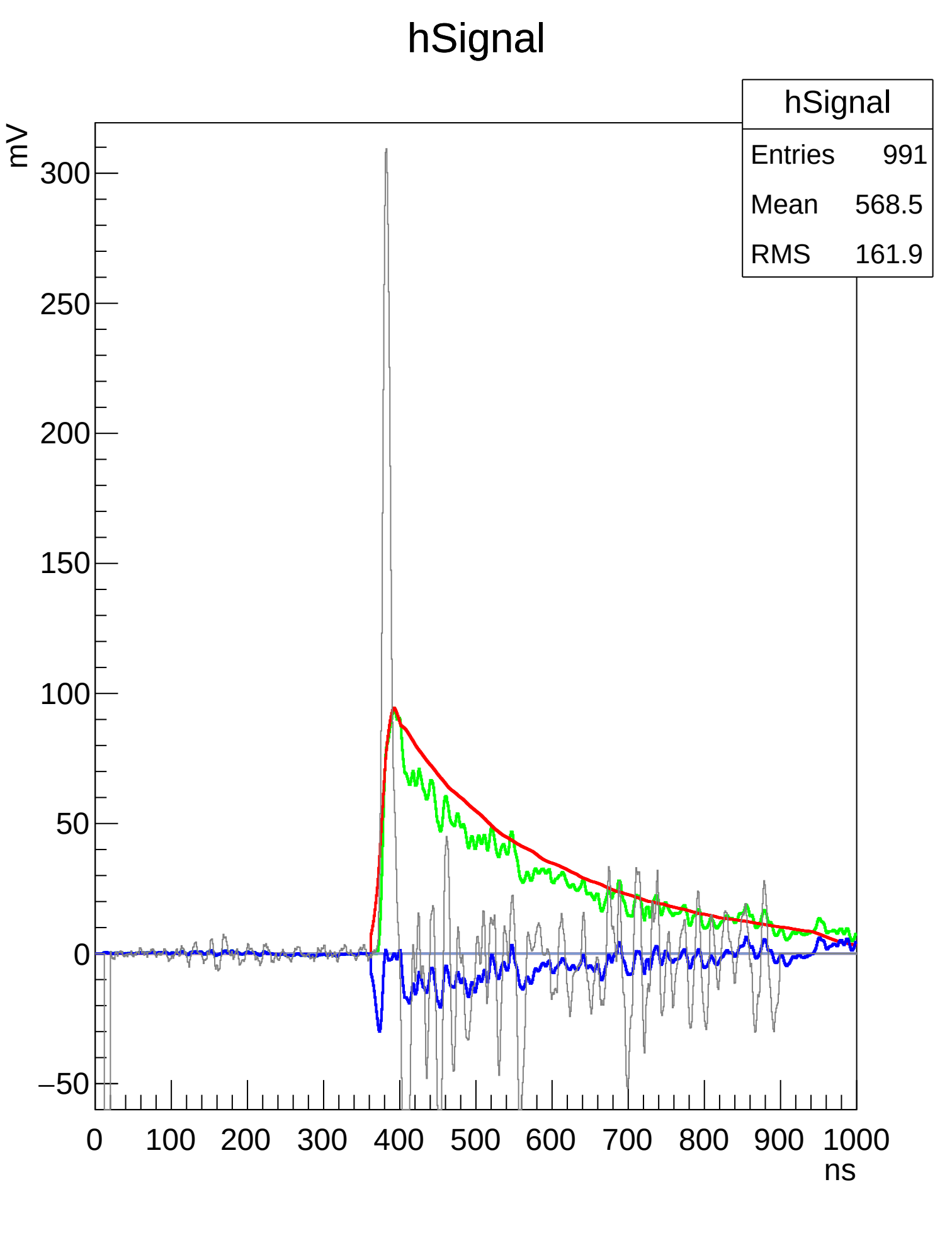

hSignal
hSignal
Entries 991
Mean 494.5
RMS 176.9
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

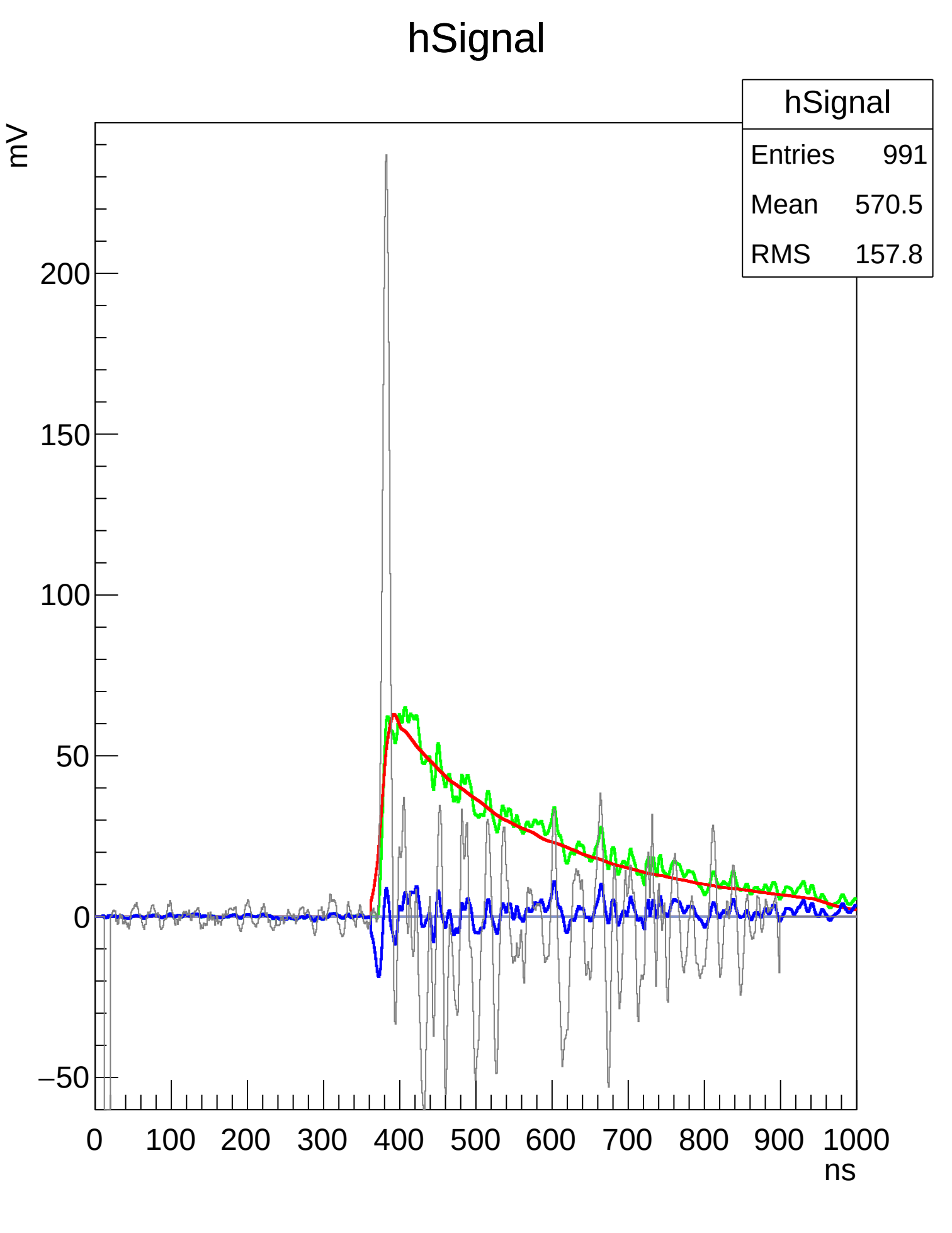

hSignal
hSignal
Entries 991
Mean 574.7
RMS 151.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

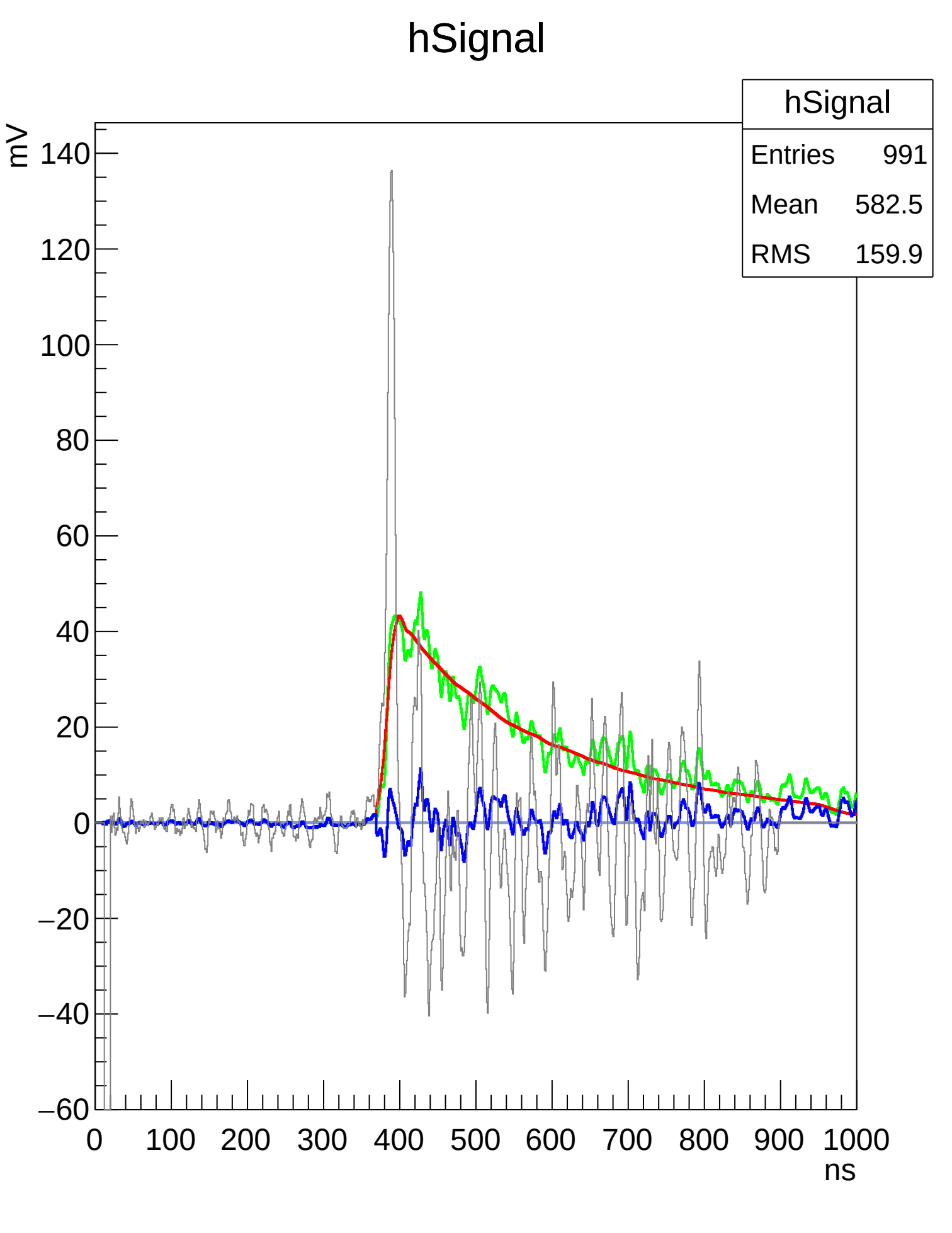

hSignal
hSignal
Entries 991
Mean 527.6
RMS 178.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

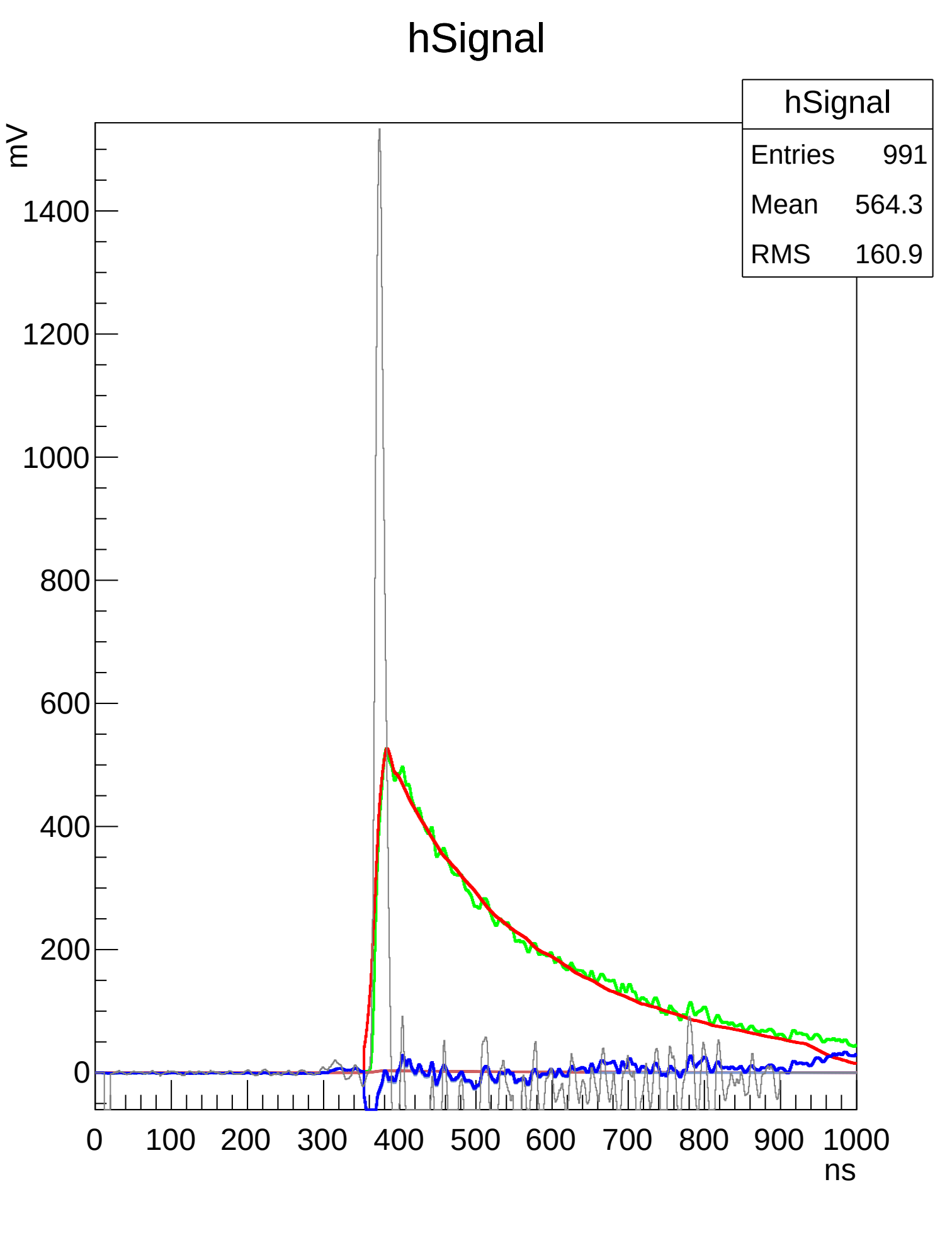

hSignal
hSignal
Entries 991
Mean 504.6
RMS 178.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

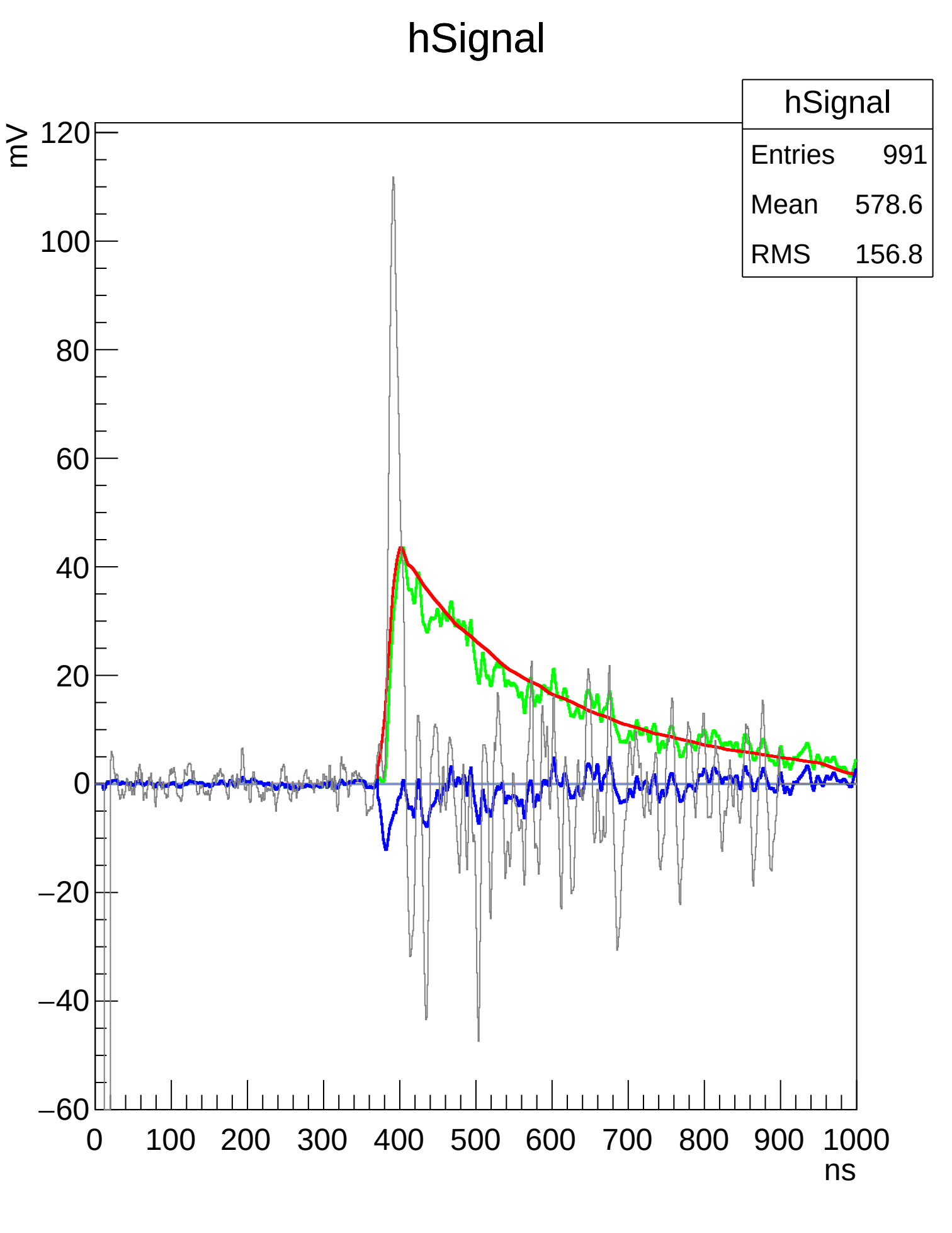

hSignal
hSignal
Entries 991
Mean 495.4
RMS 180.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

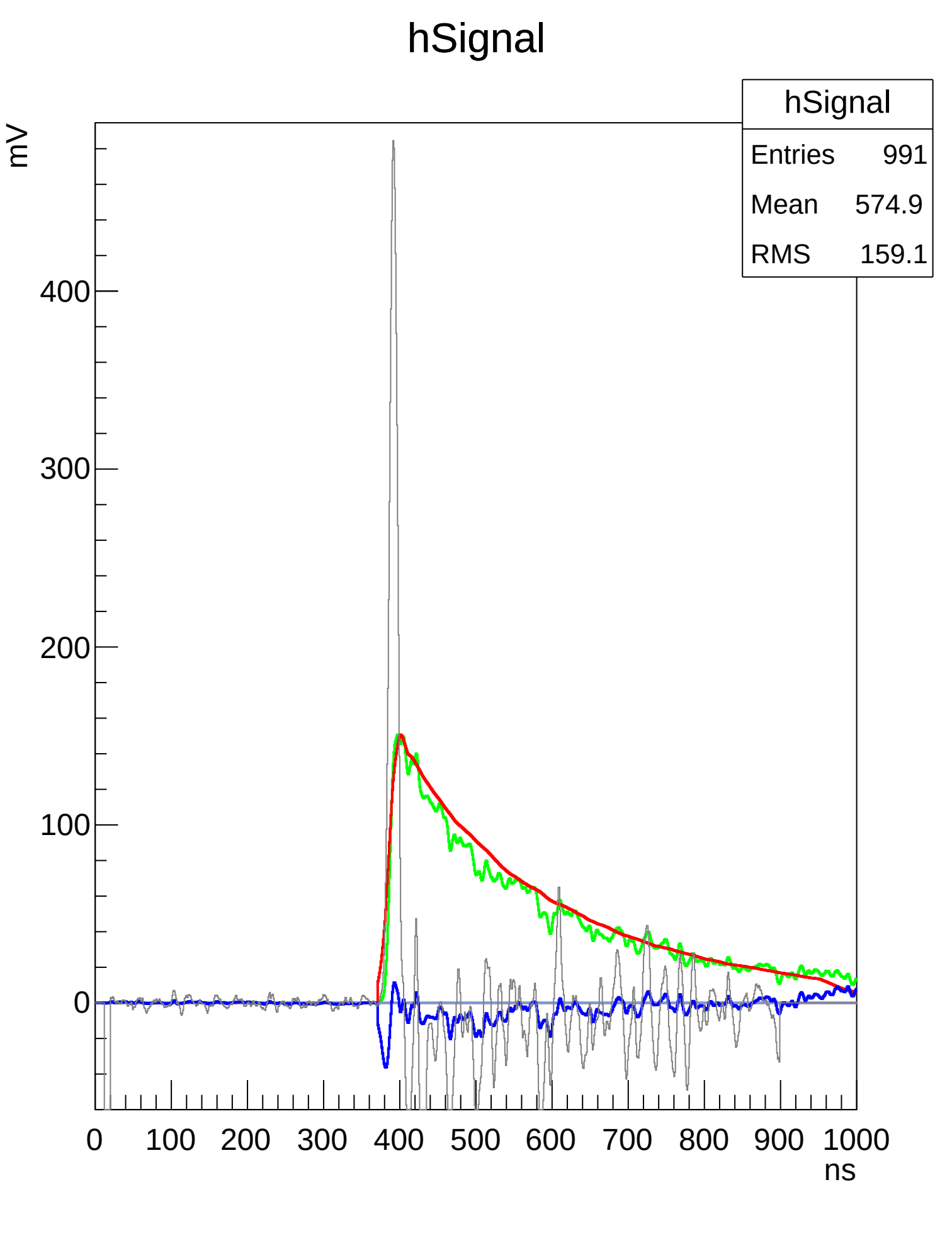

hSignal
hSignal
Entries 991
Mean 568.5
RMS 161.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

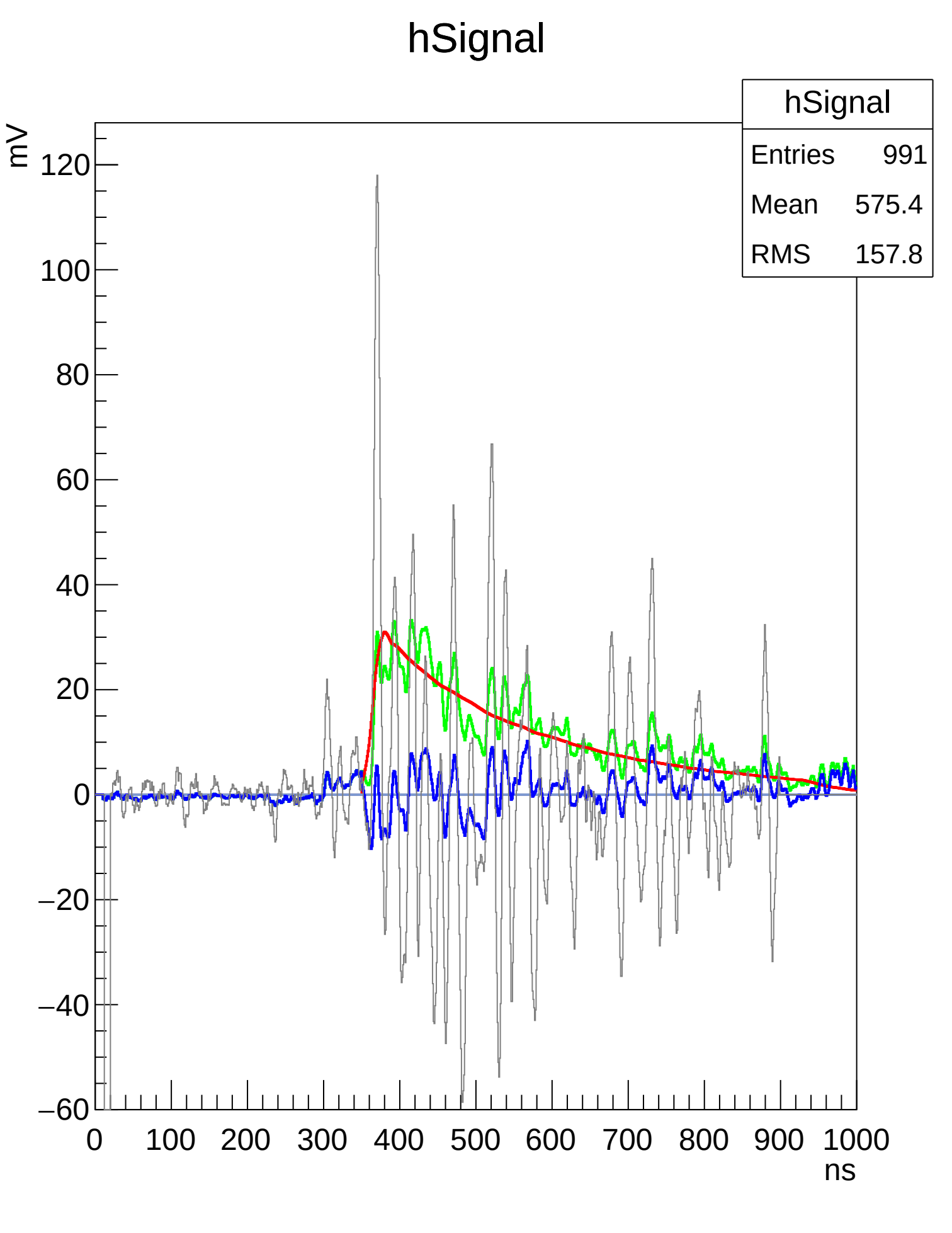

hSignal
hSignal
Entries 991
Mean 570.5
RMS 157.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

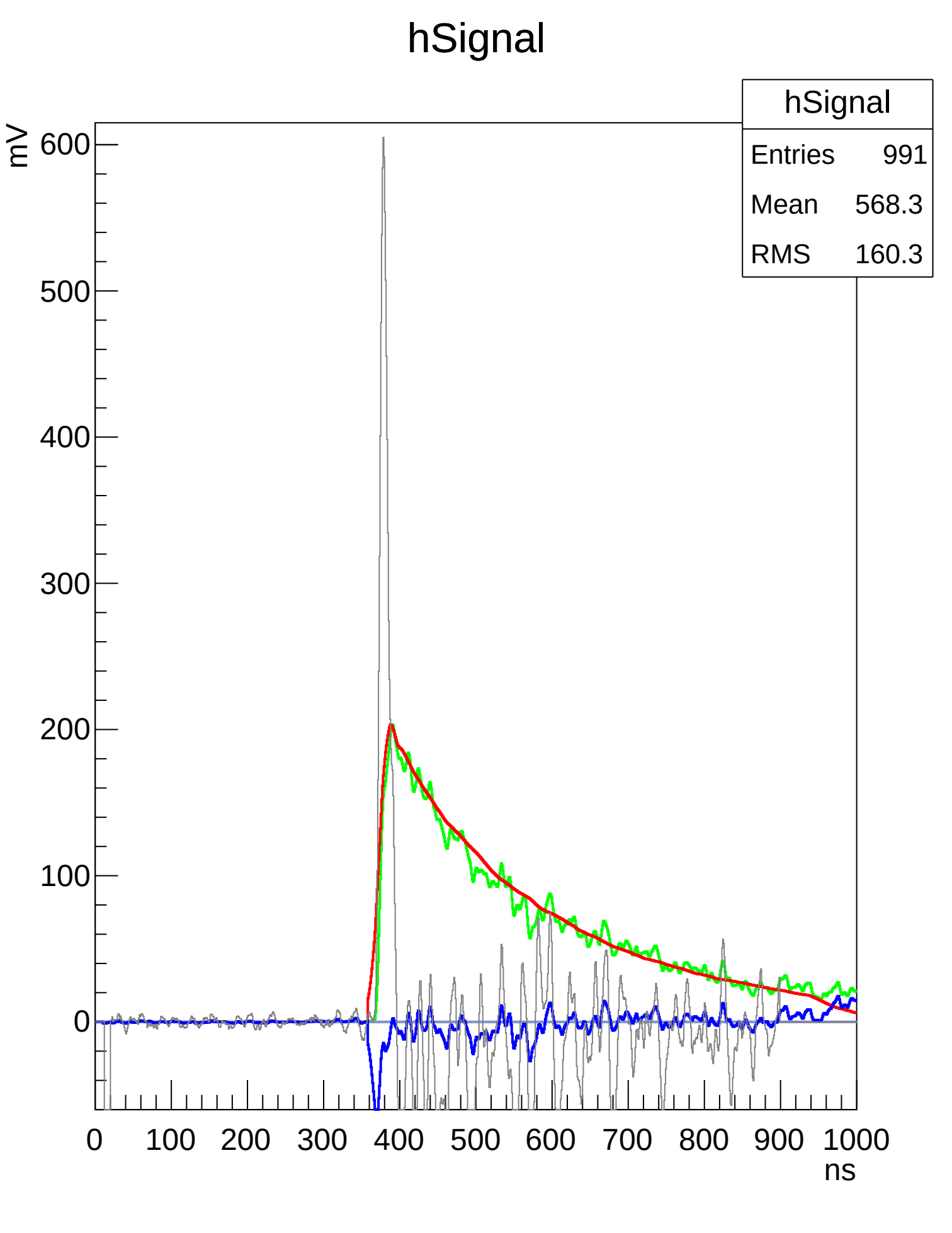

hSignal
hSignal
Entries 991
Mean 582.5
RMS 159.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

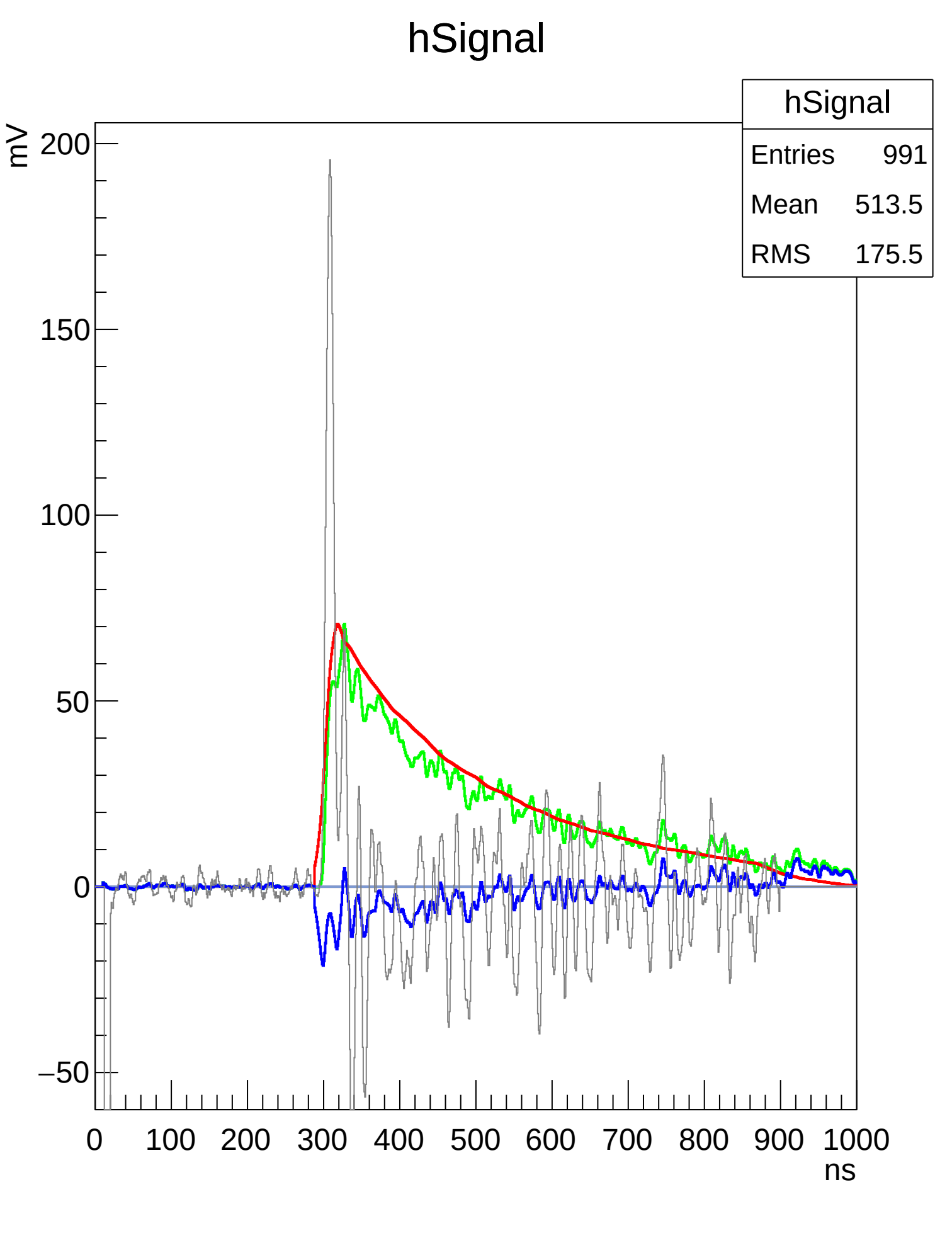

hSignal
hSignal
Entries 991
Mean 564.3
RMS 160.9
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

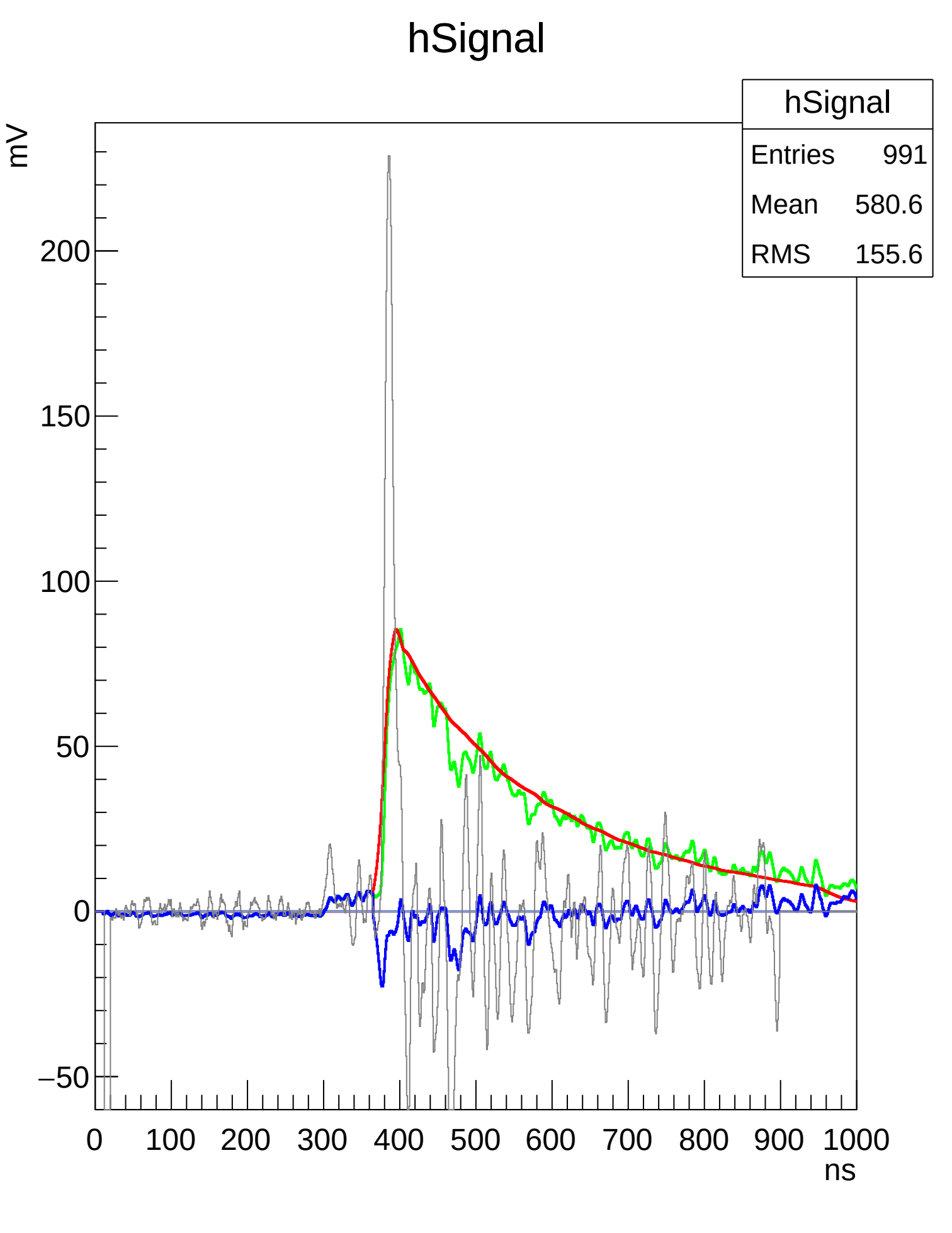

hSignal
hSignal
Entries 991
Mean 578.6
RMS 156.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

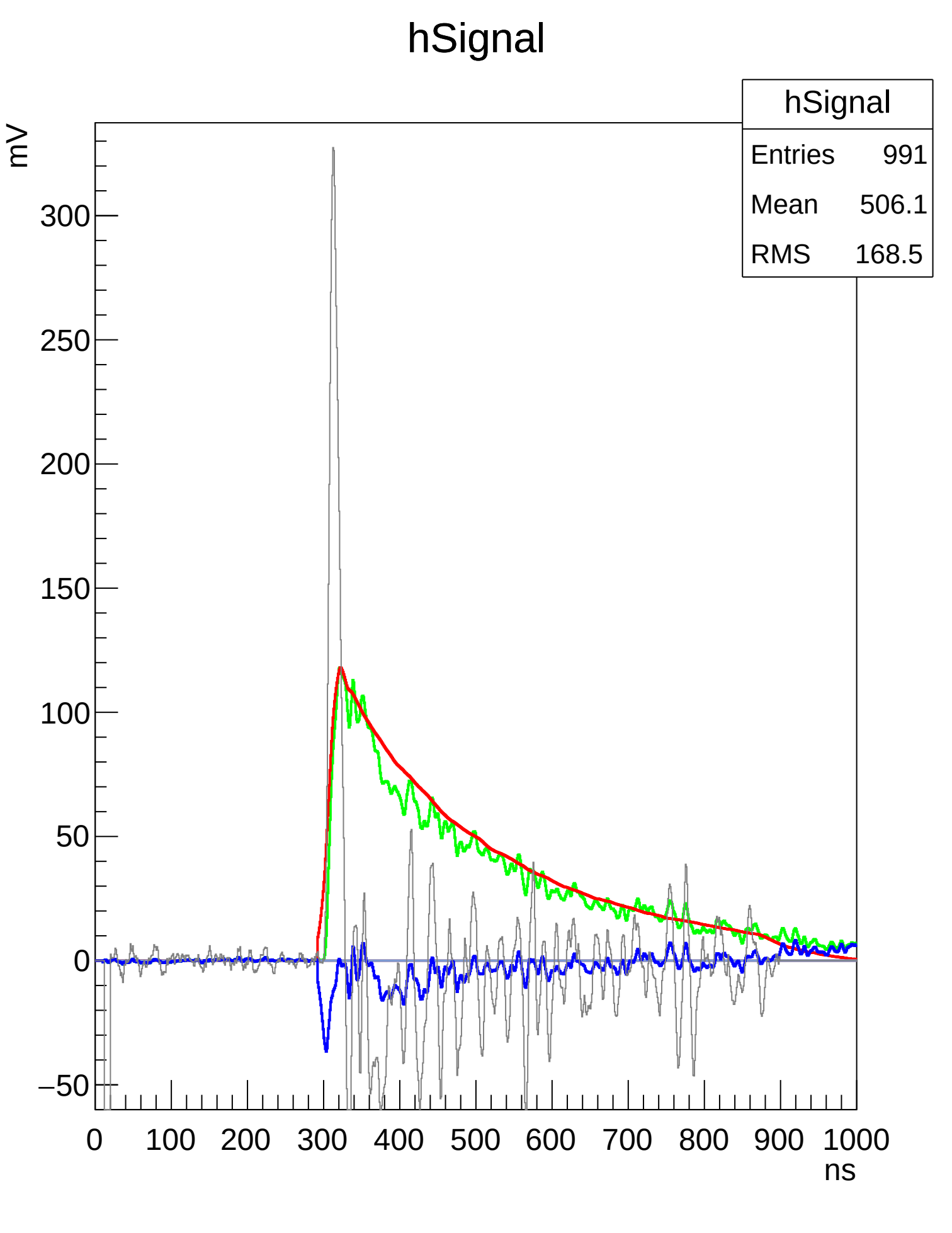

hSignal
hSignal
Entries 991
Mean 574.9
RMS 159.1
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

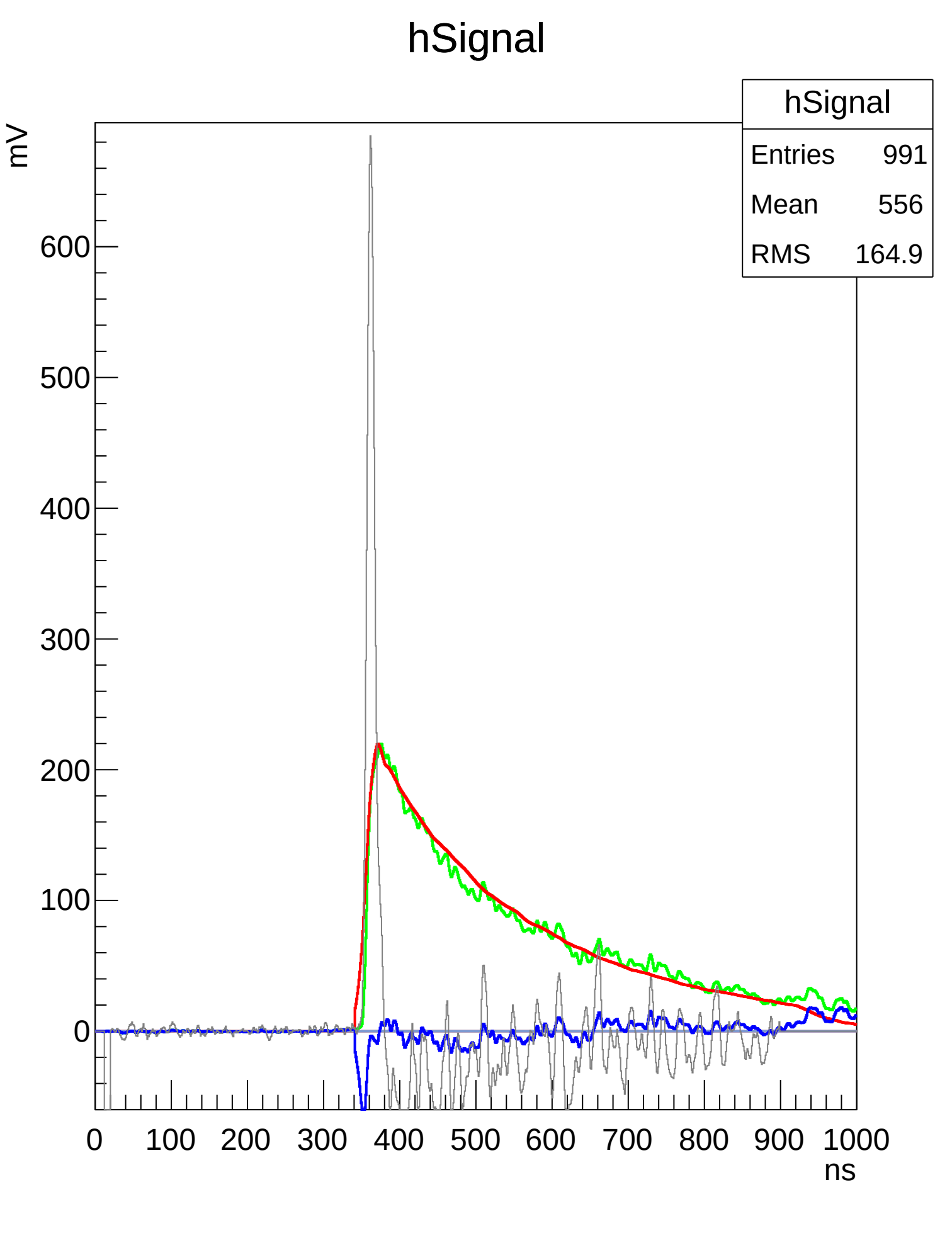

hSignal
hSignal
Entries 991
Mean 575.4
RMS 157.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

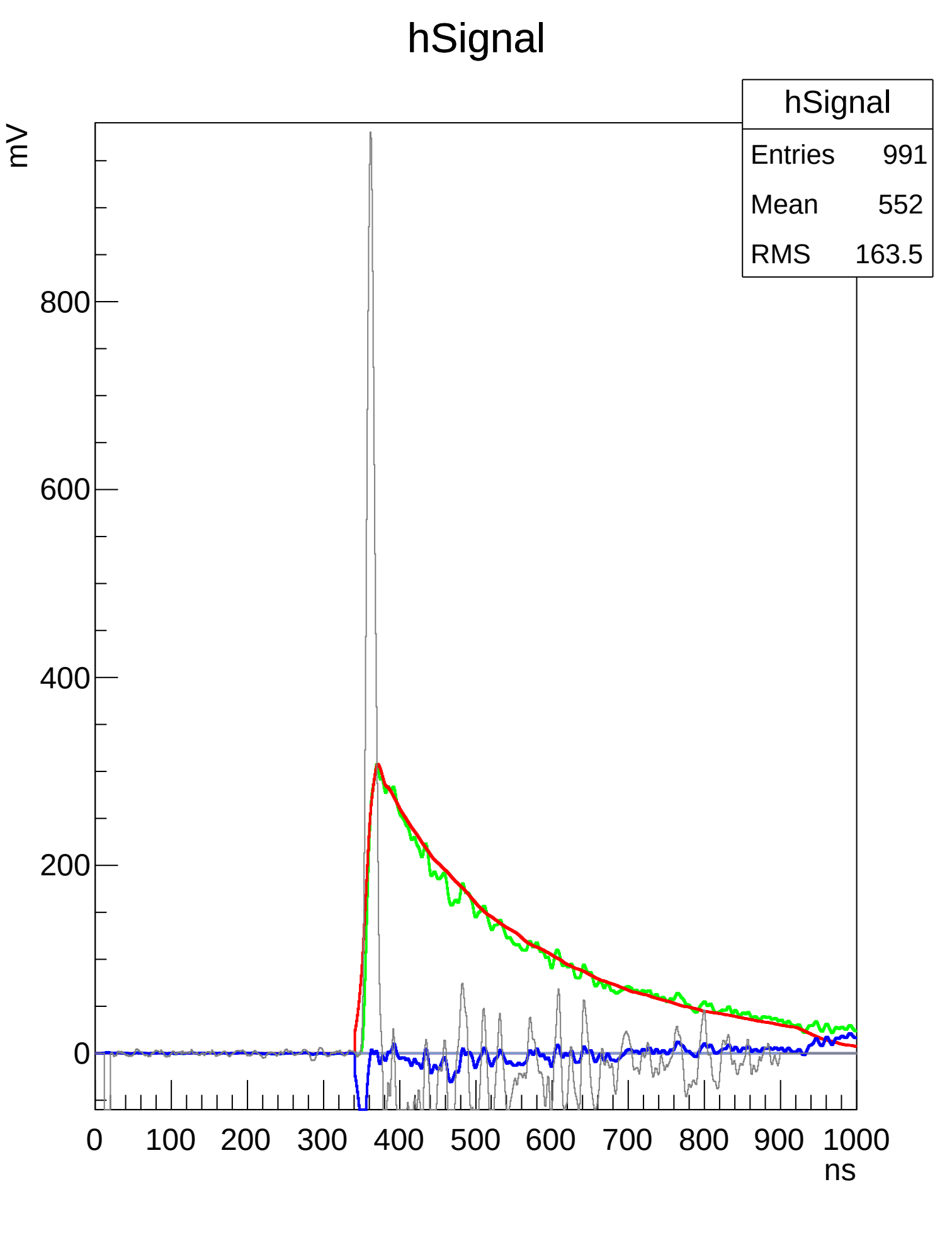

hSignal
hSignal
Entries 991
Mean 568.3
RMS 160.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

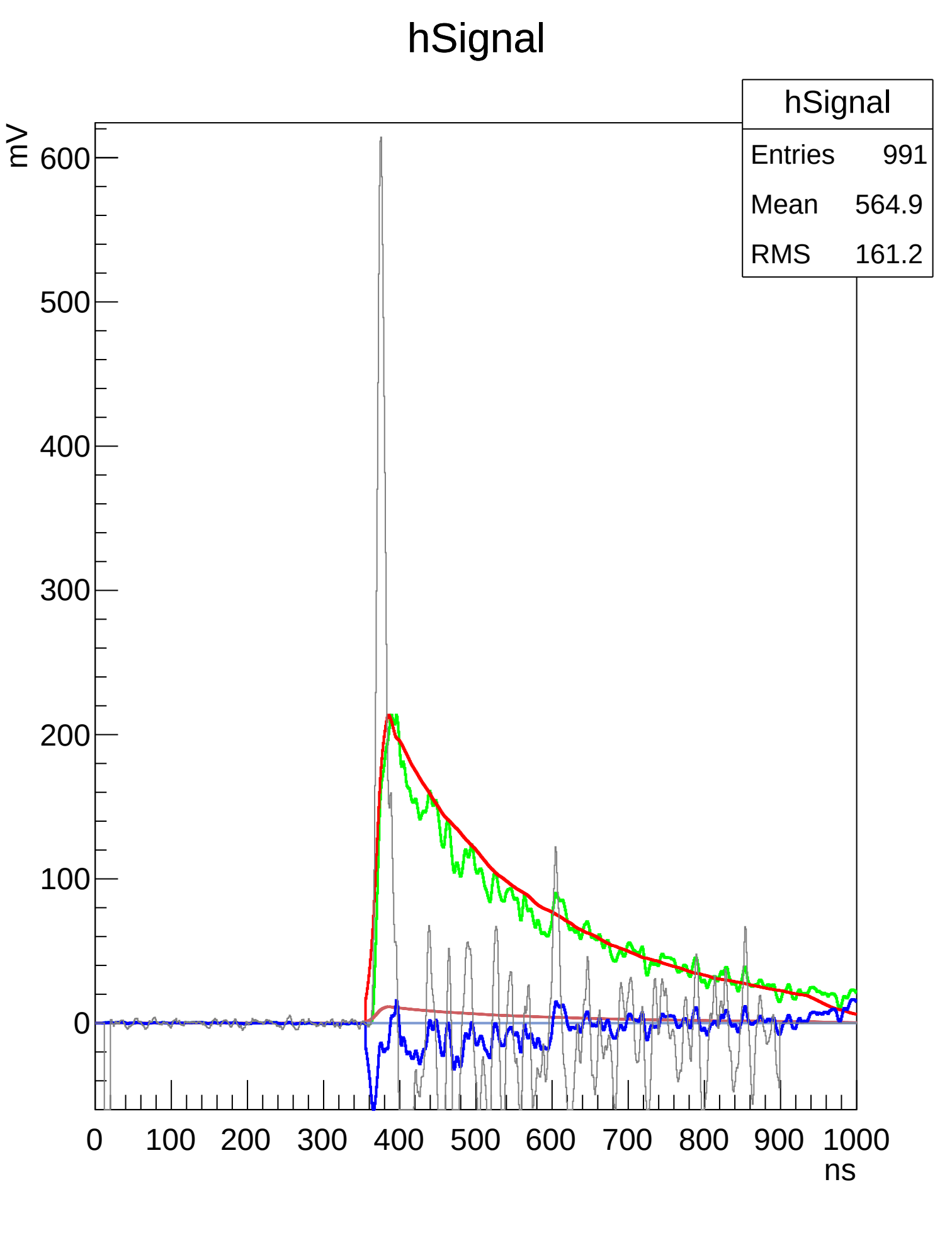

hSignal
hSignal
Entries 991
Mean 513.5
RMS 175.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

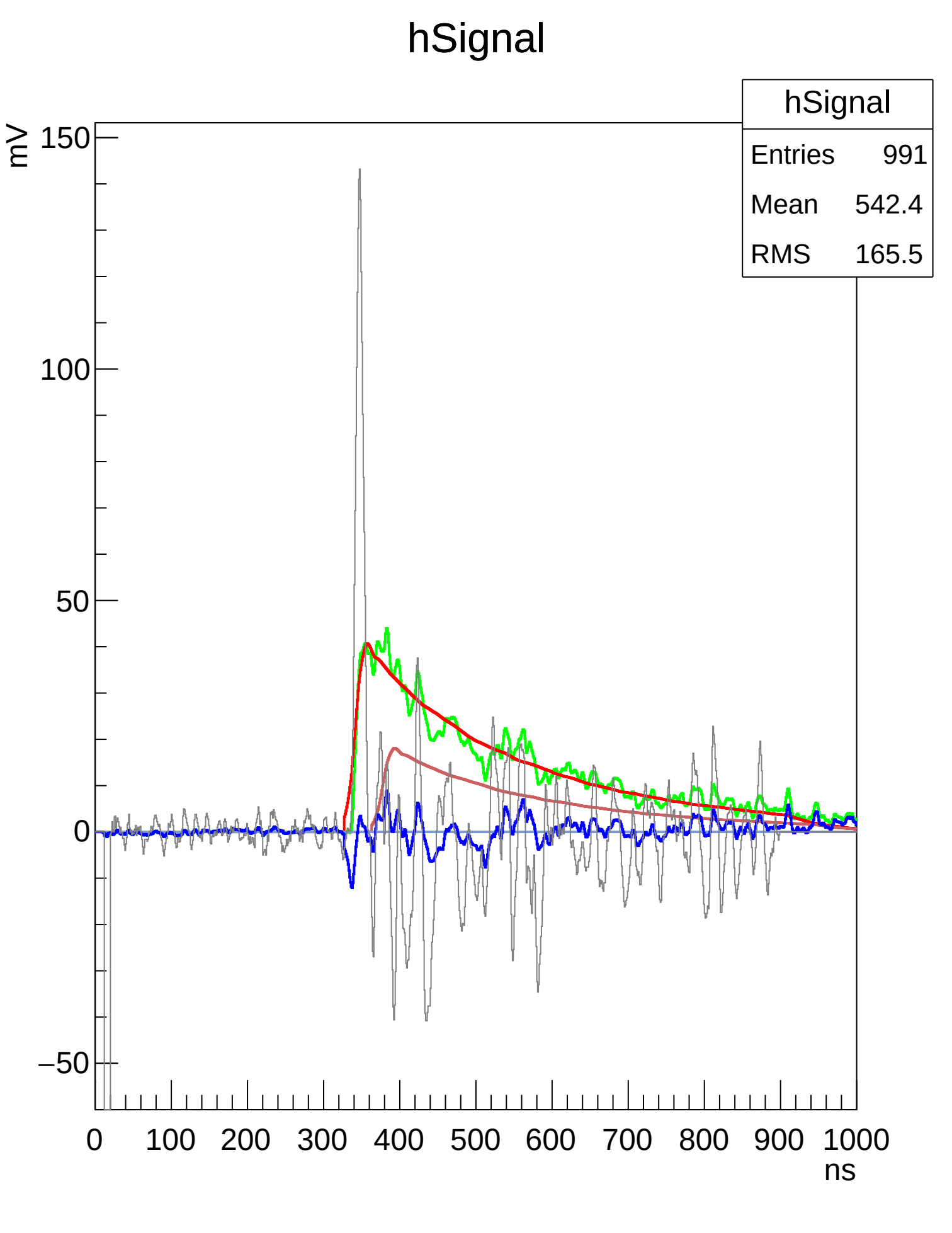

hSignal
hSignal
Entries 991
Mean 580.6
RMS 155.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

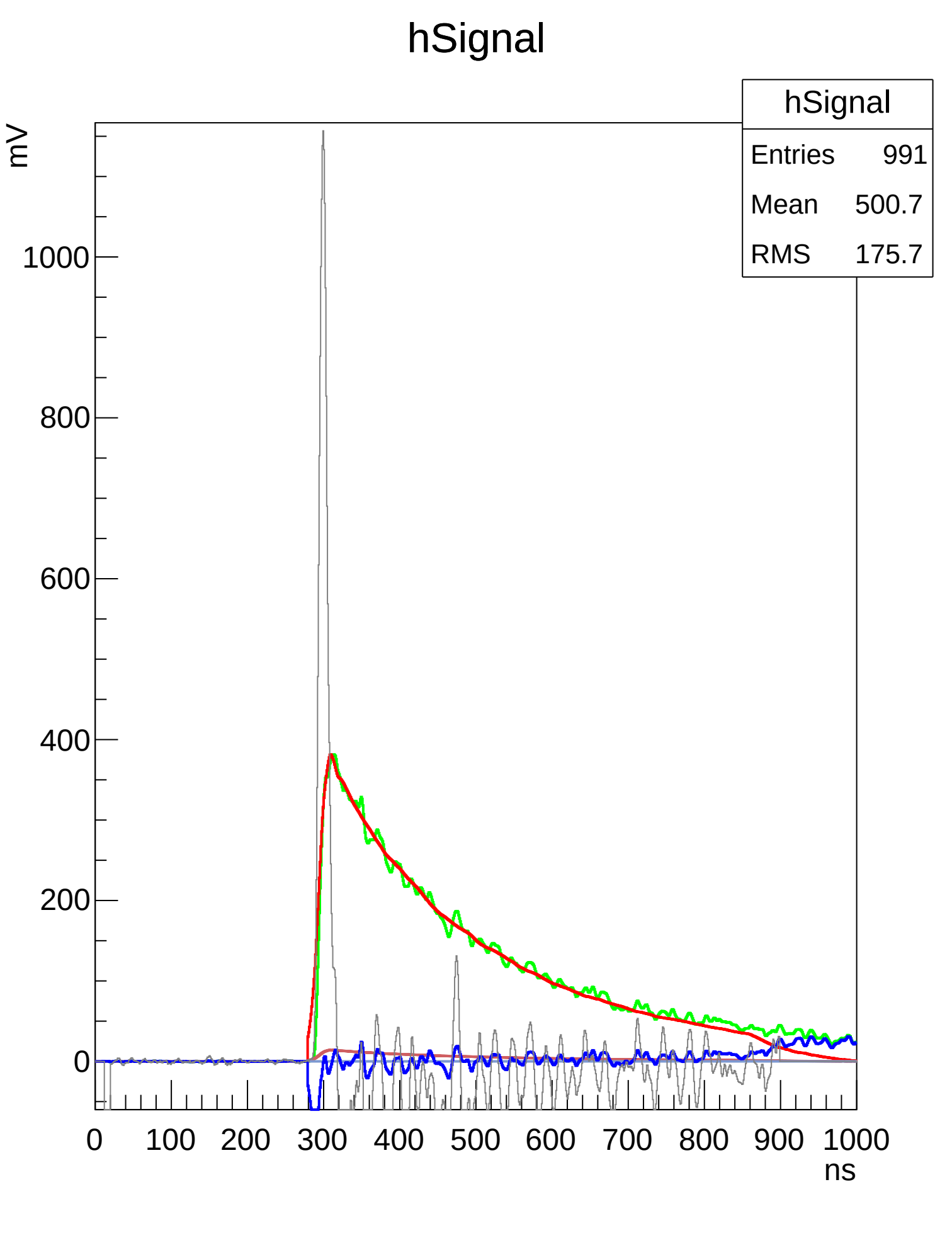

hSignal
hSignal
Entries 991
Mean 506.1
RMS 168.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

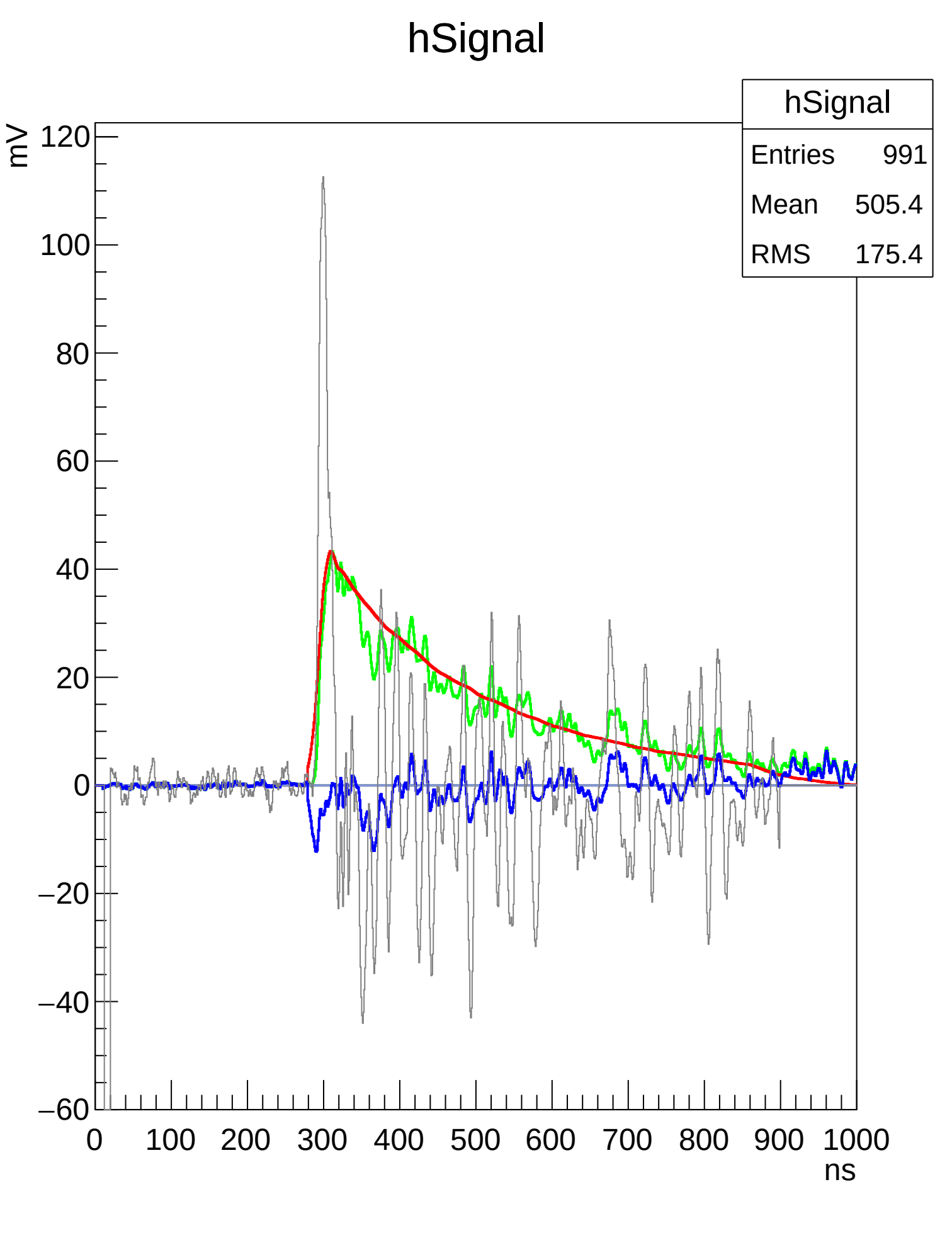

hSignal
hSignal
Entries 991
Mean 556
RMS 164.9
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

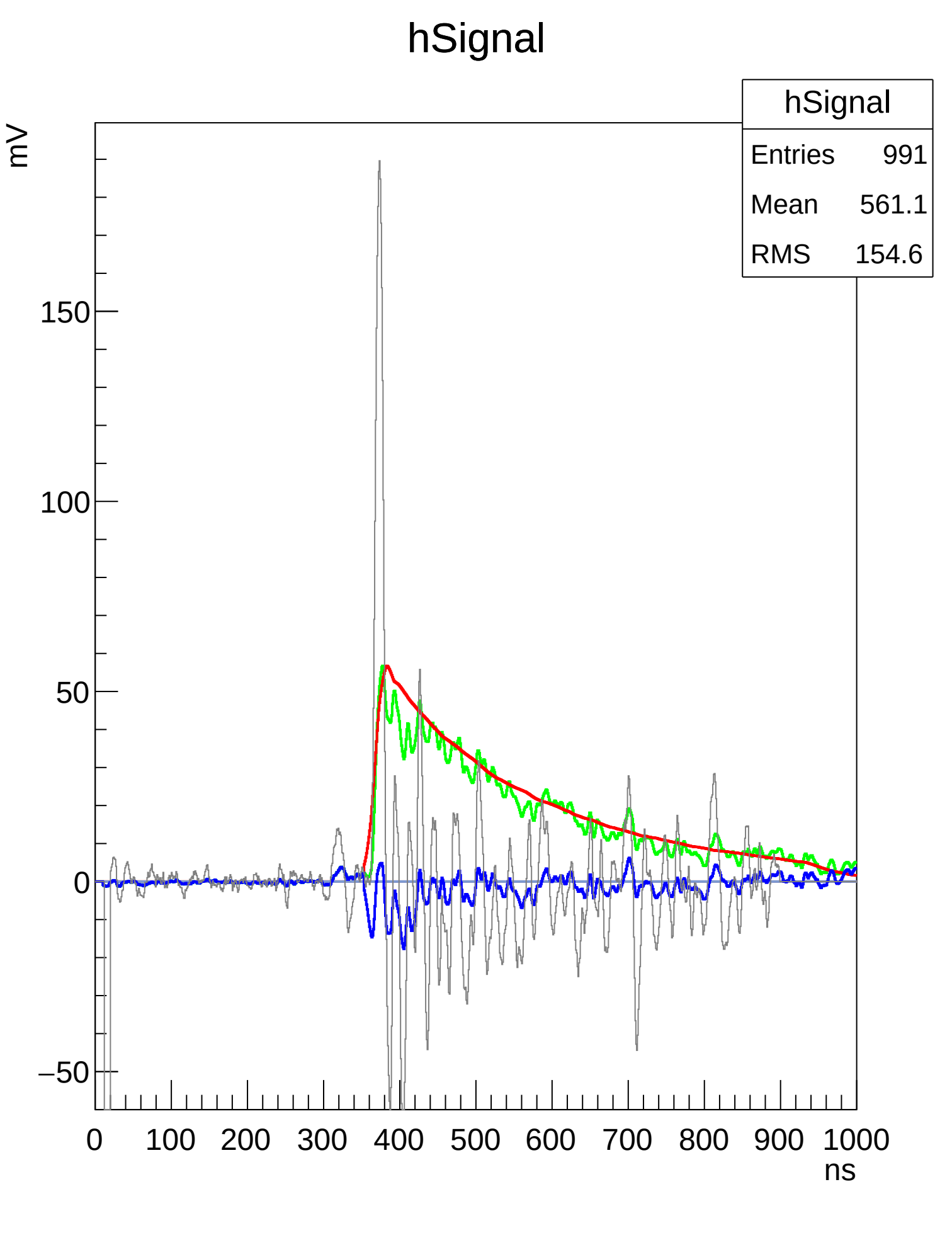

hSignal
hSignal
Entries 991
Mean 552
RMS 163.5
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

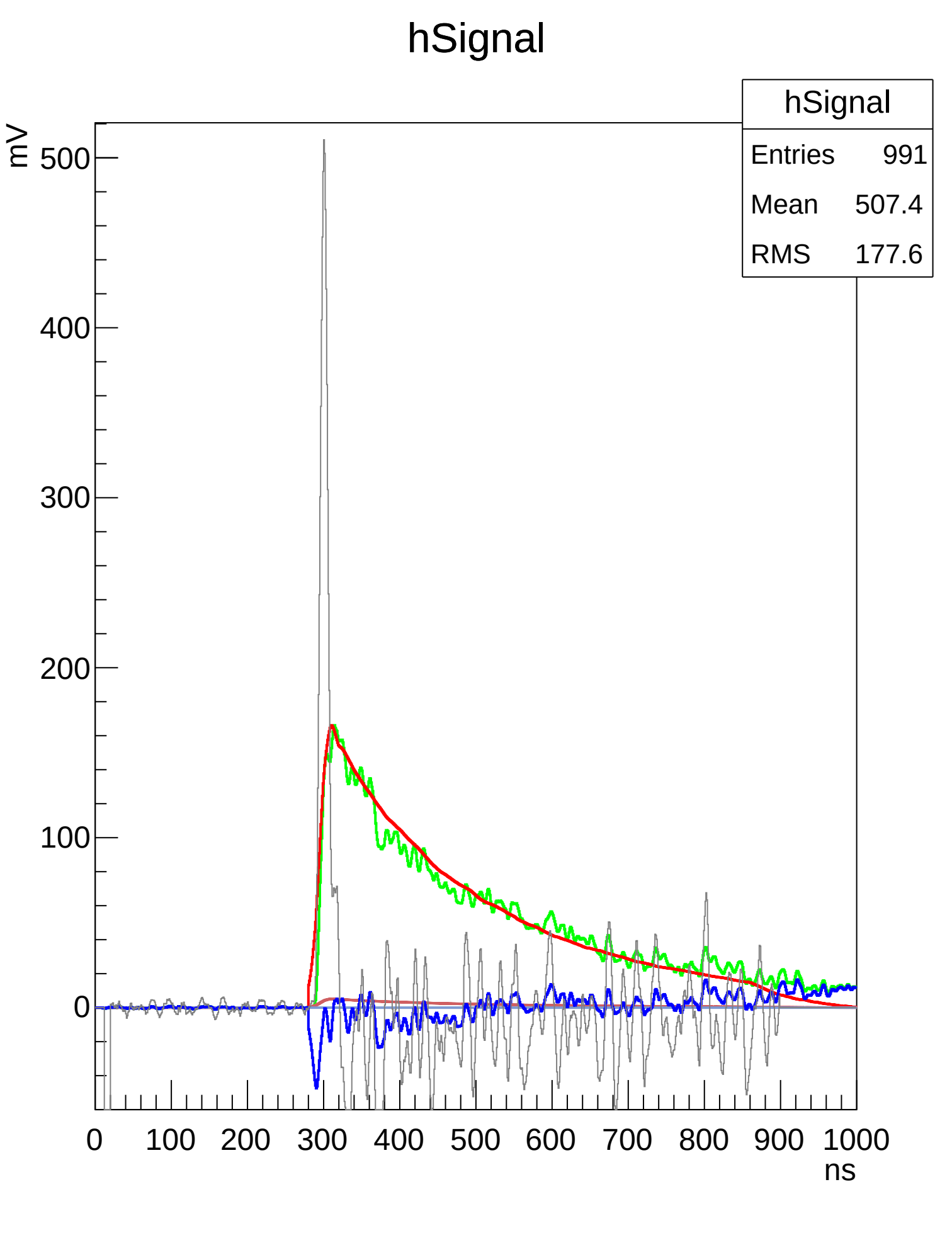

hSignal
hSignal
Entries 991
Mean 564.9
RMS 161.2
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

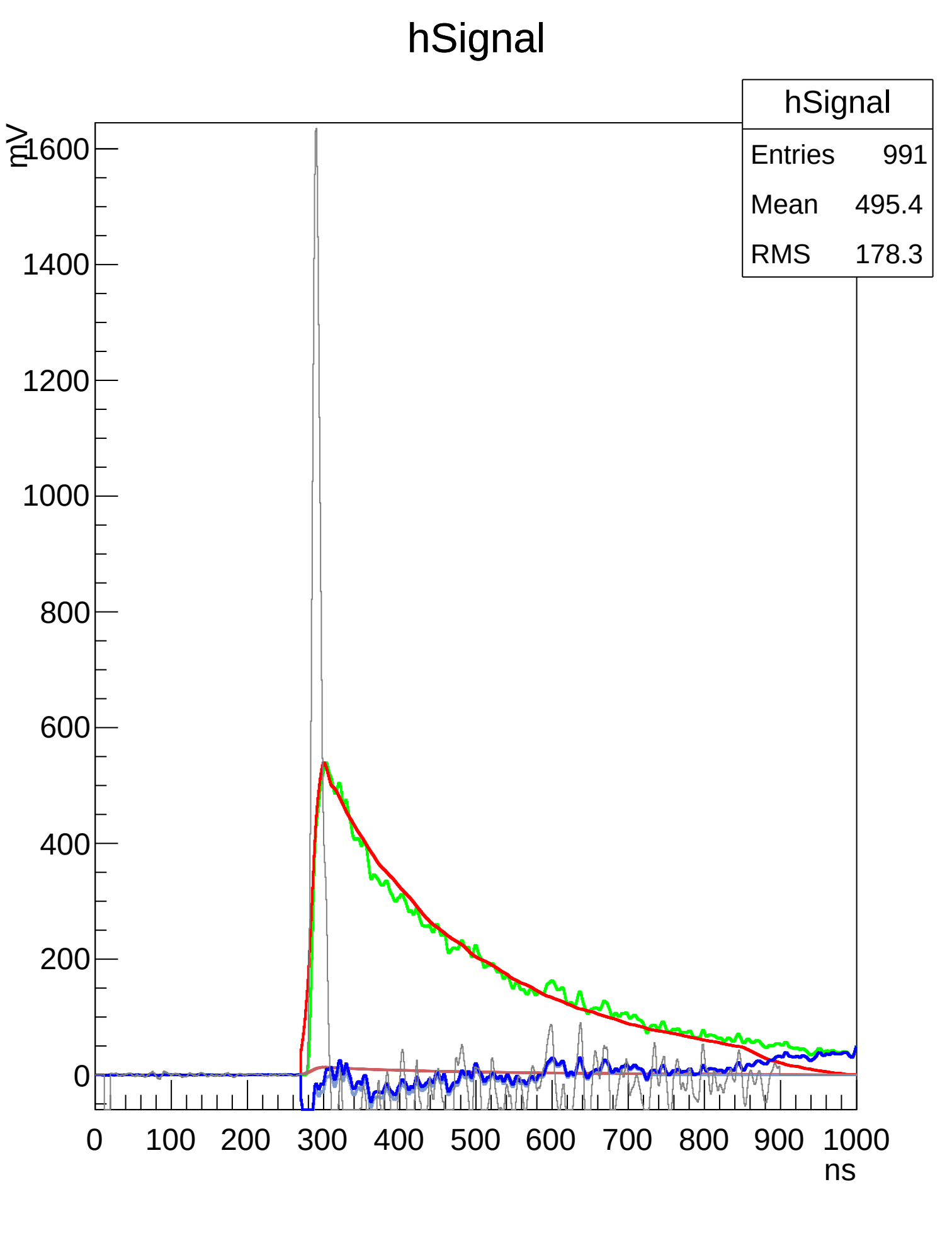

hSignal
hSignal
Entries 991
Mean 542.4
RMS 165.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

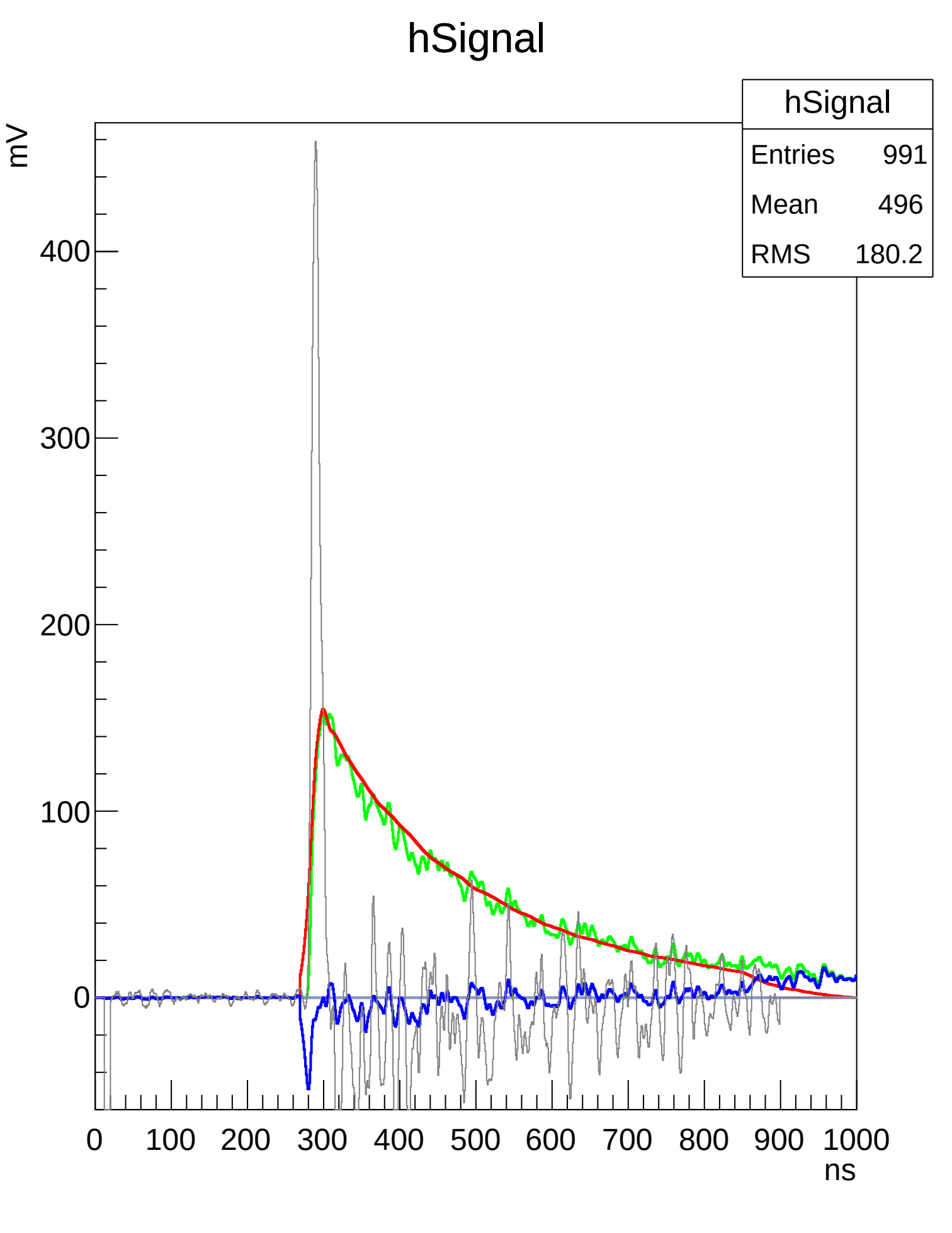

hSignal
hSignal
Entries 991
Mean 500.7
RMS 175.7
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

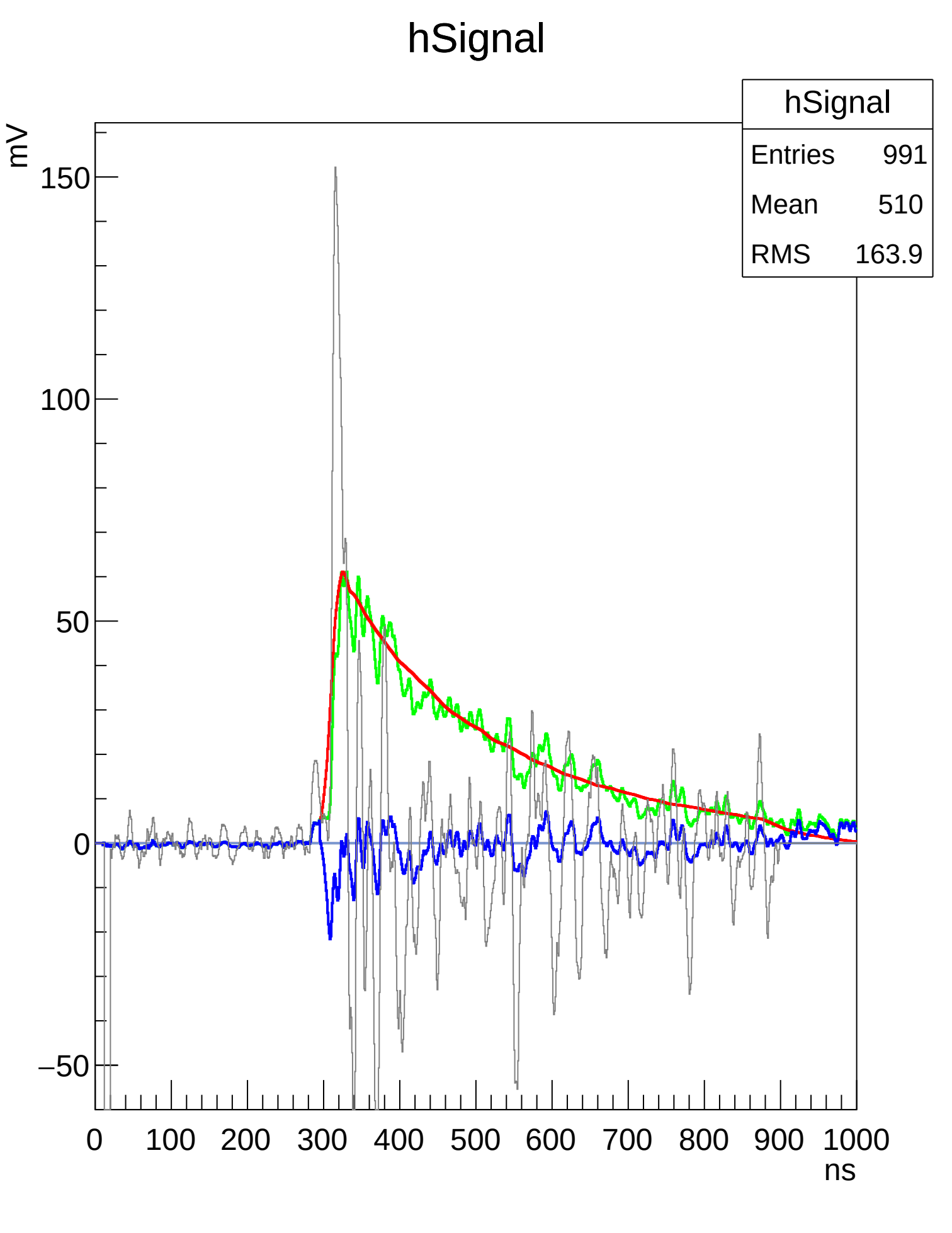

hSignal
hSignal
Entries 991
Mean 505.4
RMS 175.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

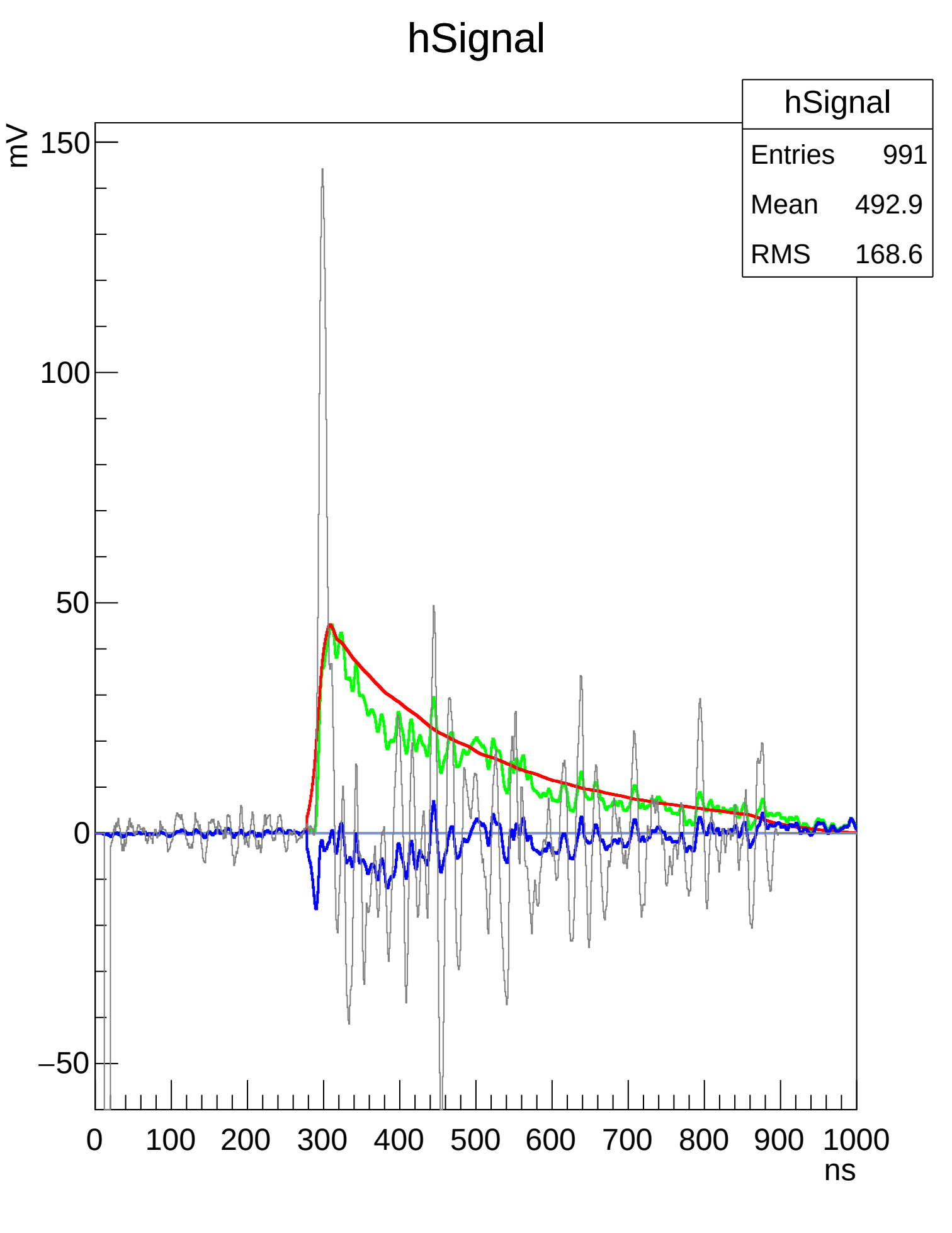

hSignal
hSignal
Entries 991
Mean 561.1
RMS 154.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

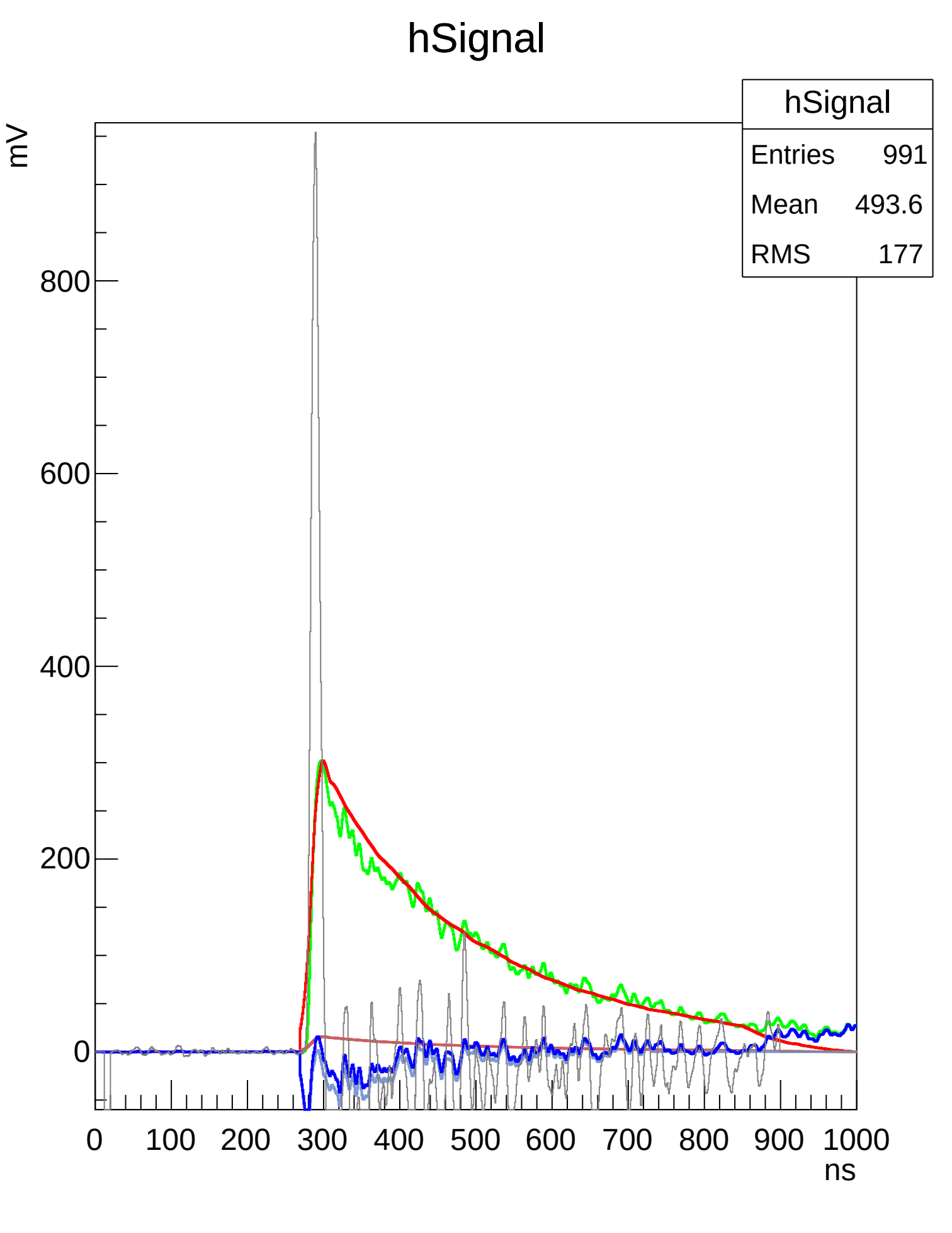

hSignal
hSignal
Entries 991
Mean 507.4
RMS 177.6
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

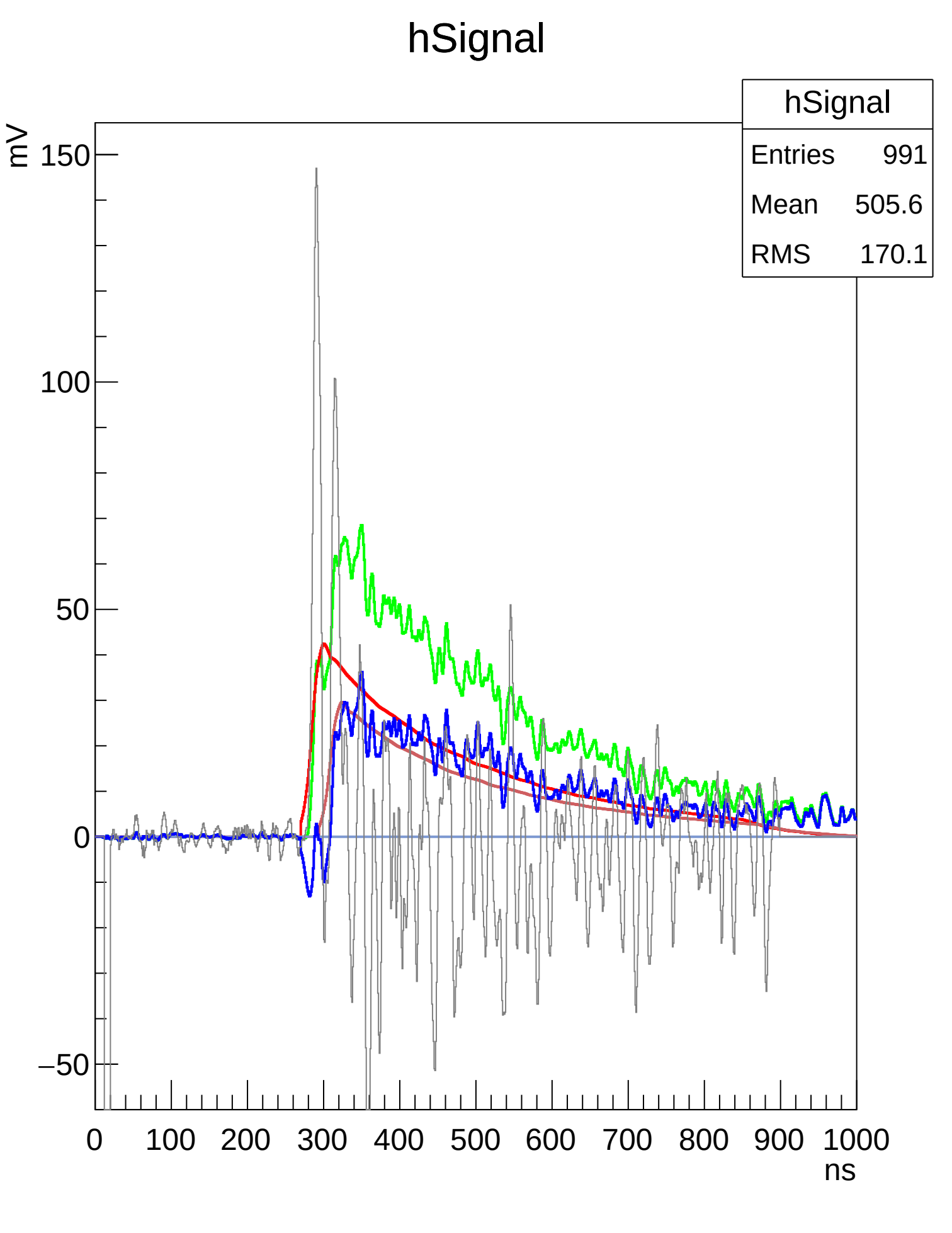

hSignal
hSignal
Entries 991
Mean 495.4
RMS 178.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

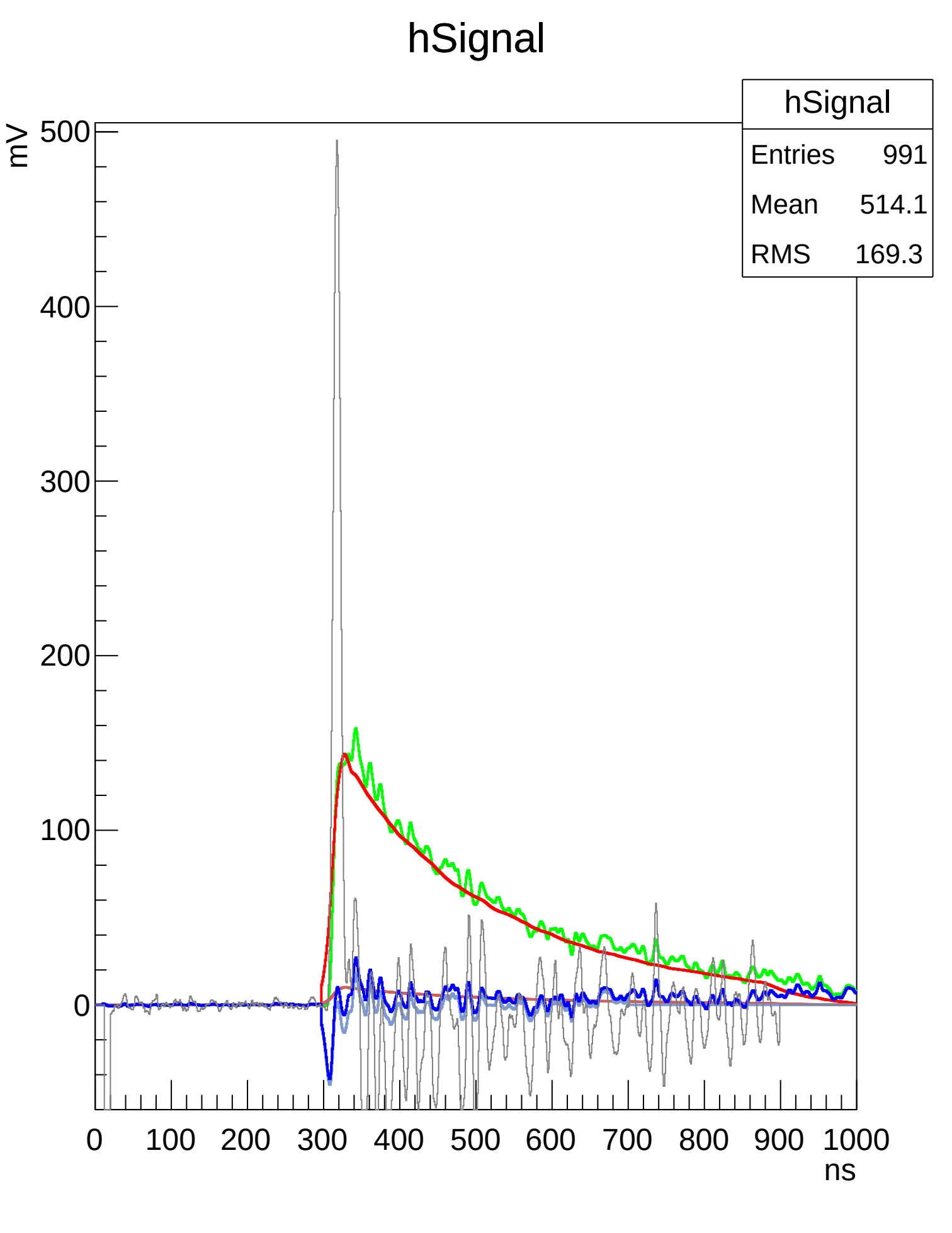

hSignal
hSignal
Entries 991
Mean 496
RMS 180.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

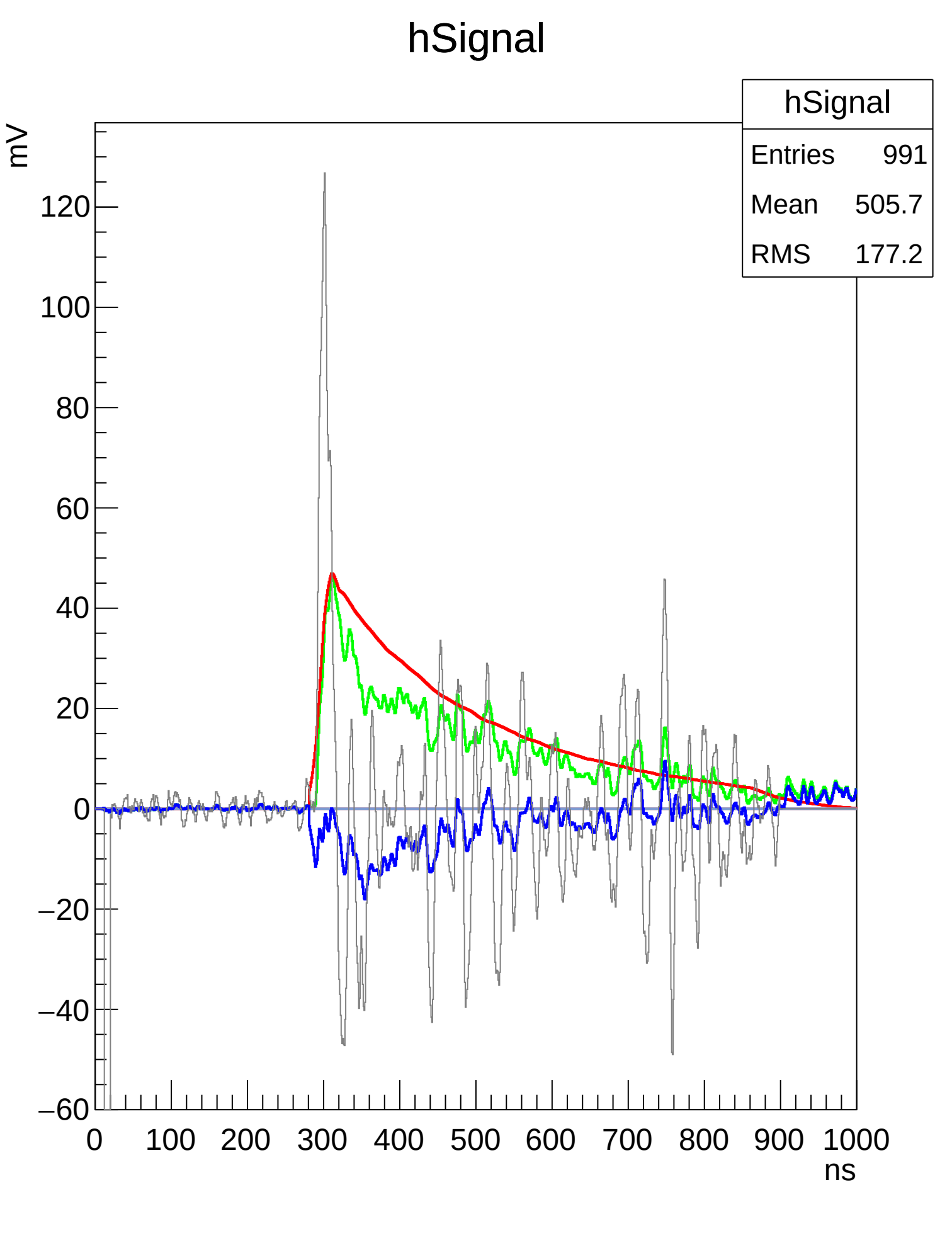

hSignal
hSignal
Entries 991
Mean 510
RMS 163.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

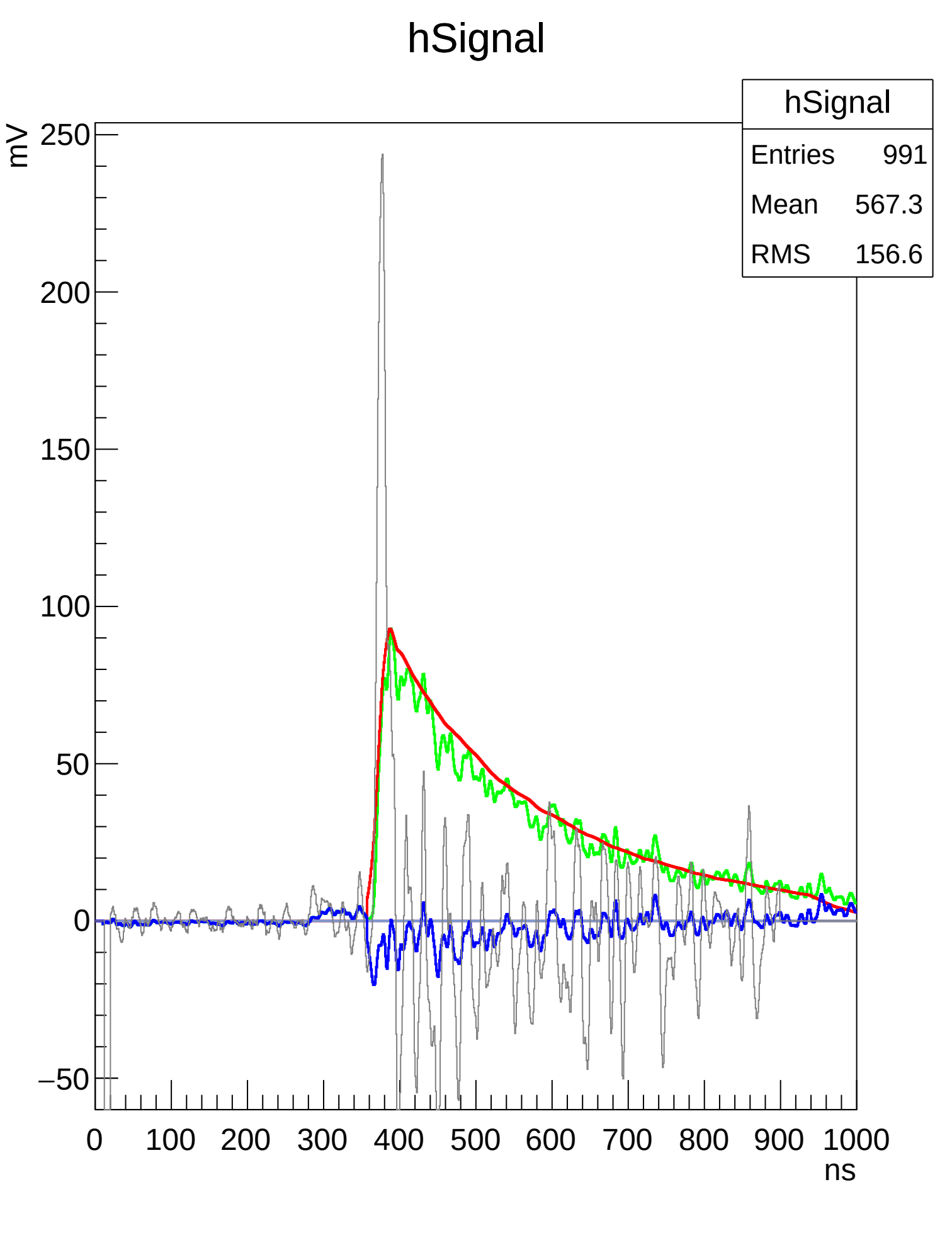

hSignal
hSignal
Entries 991
Mean 492.9
RMS 168.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

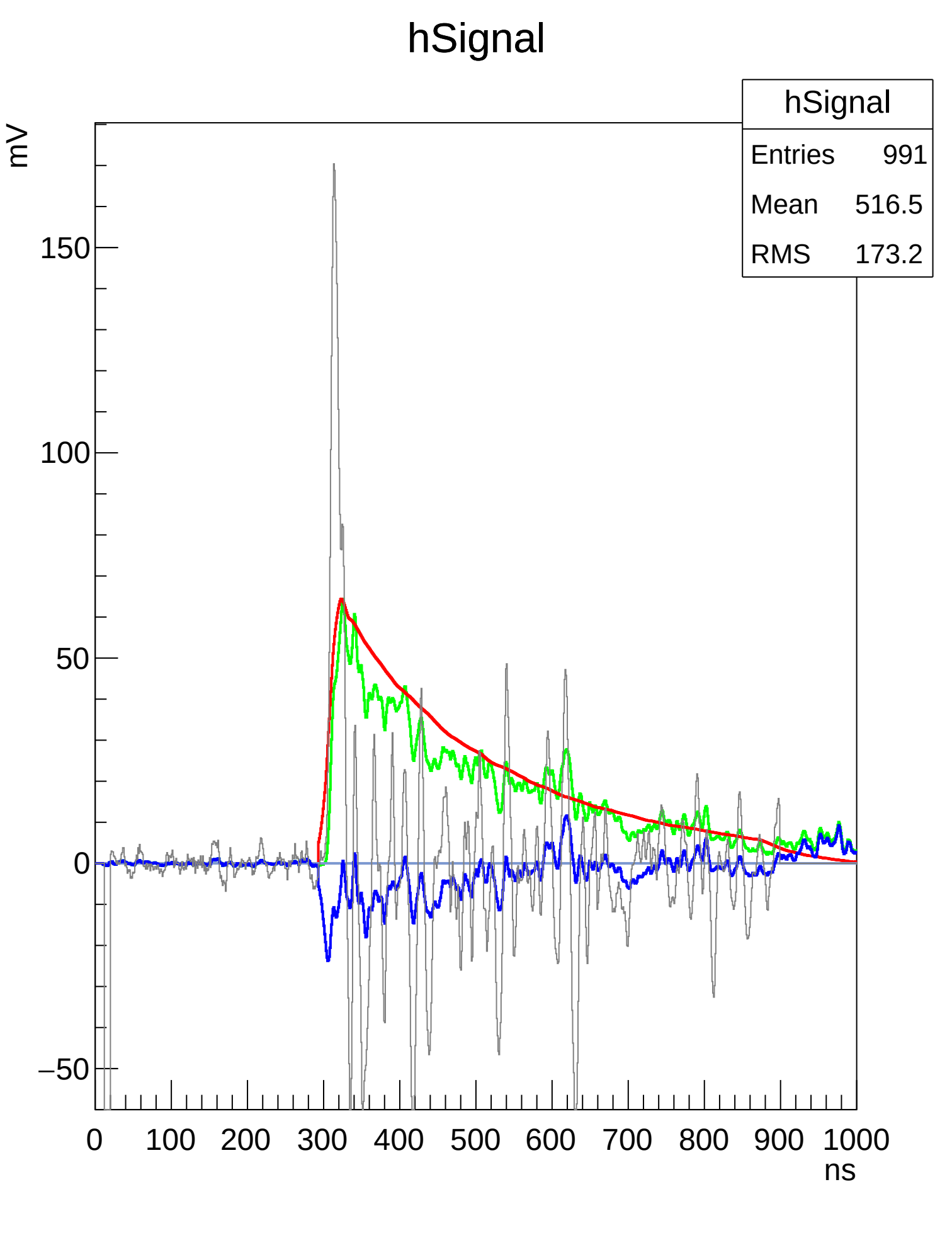

hSignal
hSignal
Entries 991
Mean 493.6
RMS 177
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

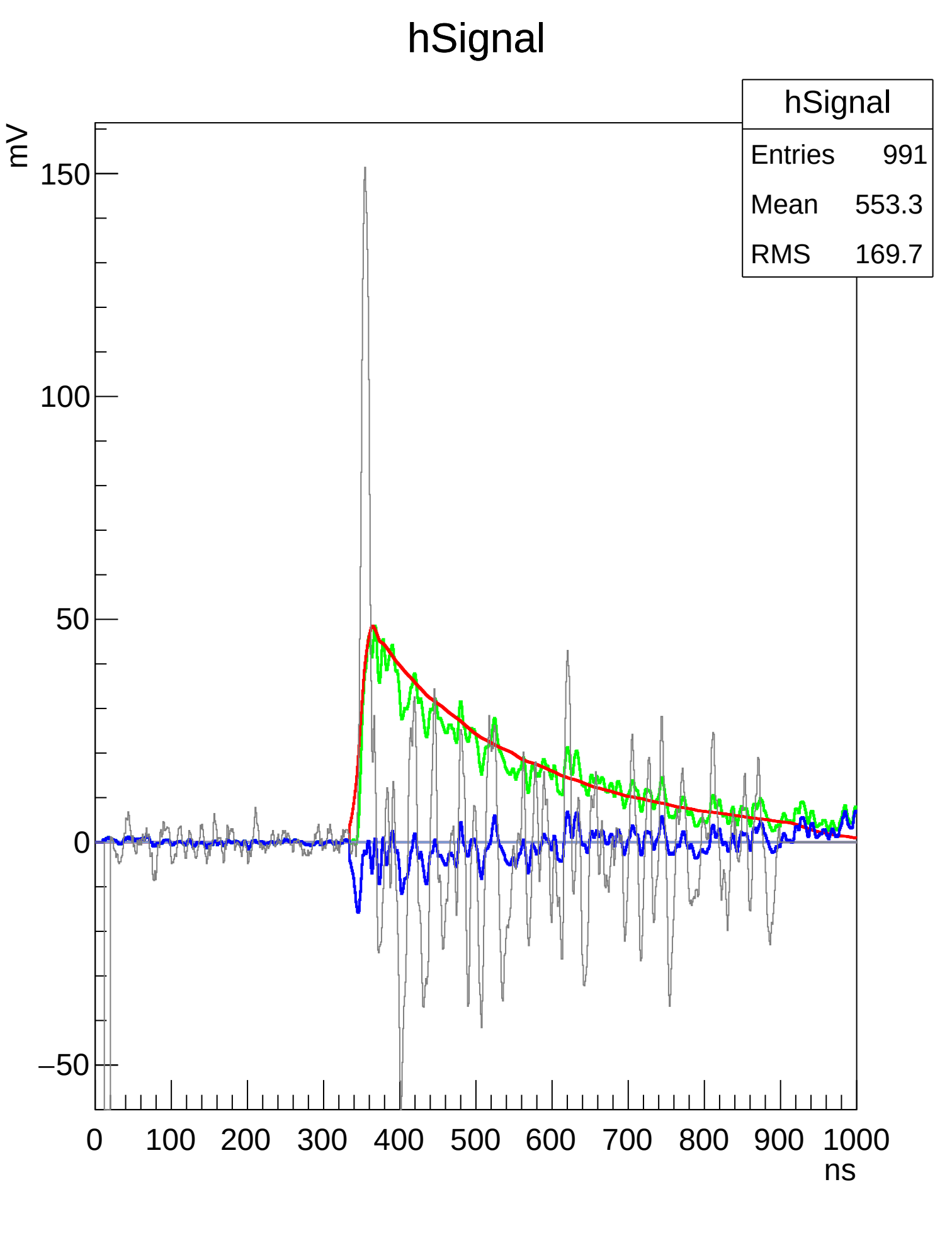

hSignal
hSignal
Entries 991
Mean 505.6
RMS 170.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

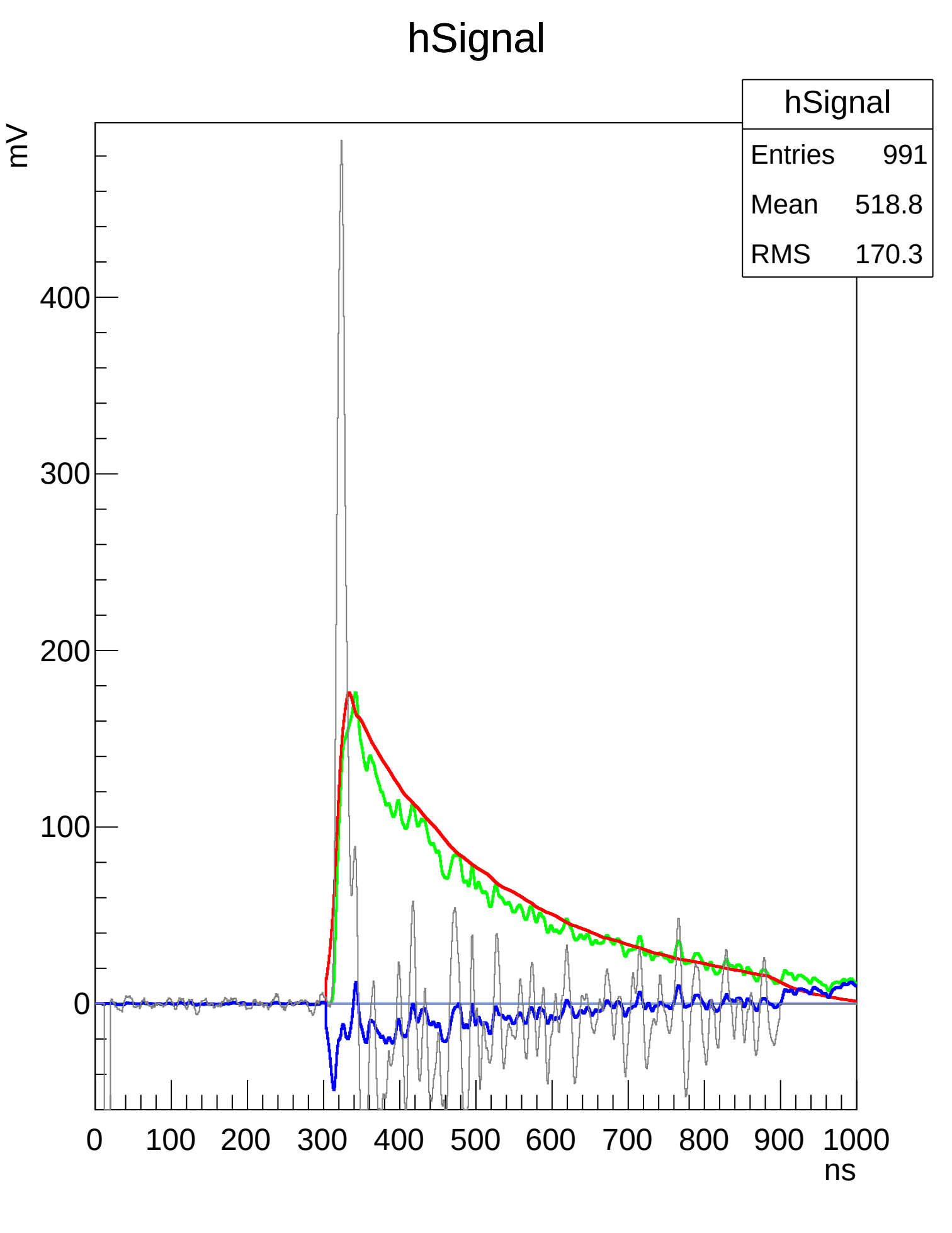

hSignal
hSignal
Entries 991
Mean 514.1
RMS 169.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

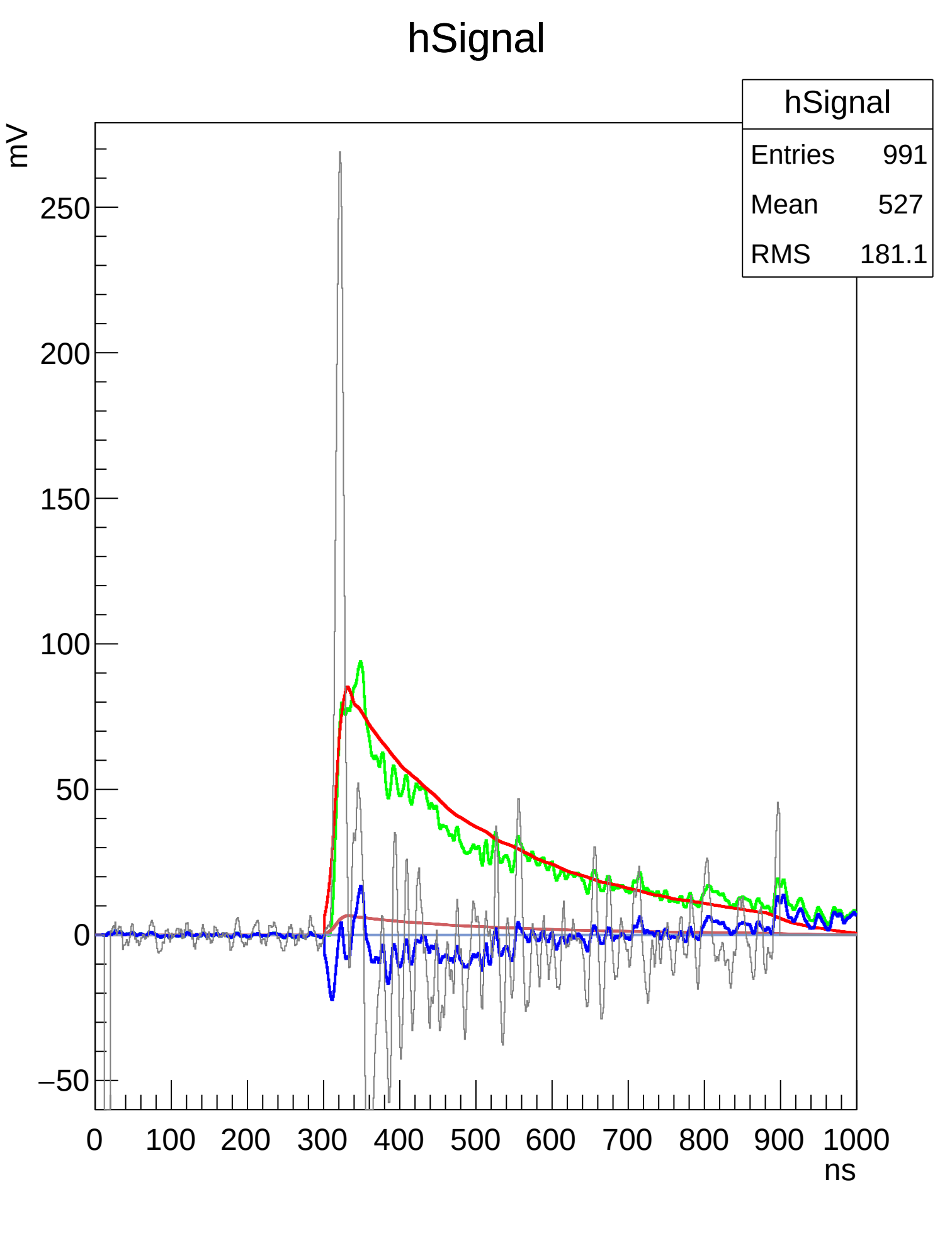

hSignal
hSignal
Entries 991
Mean 505.7
RMS 177.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

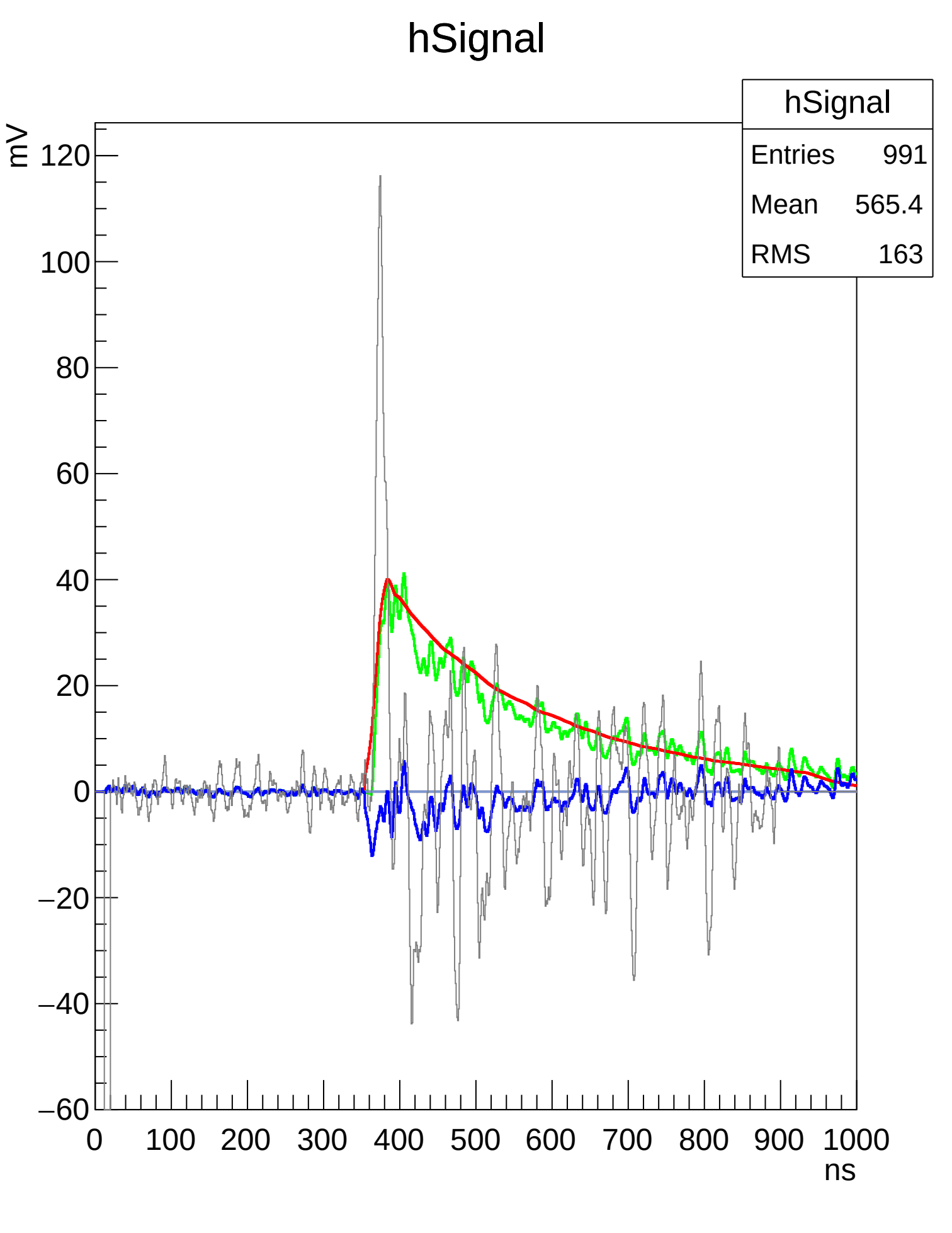

hSignal
hSignal
Entries 991
Mean 567.3
RMS 156.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

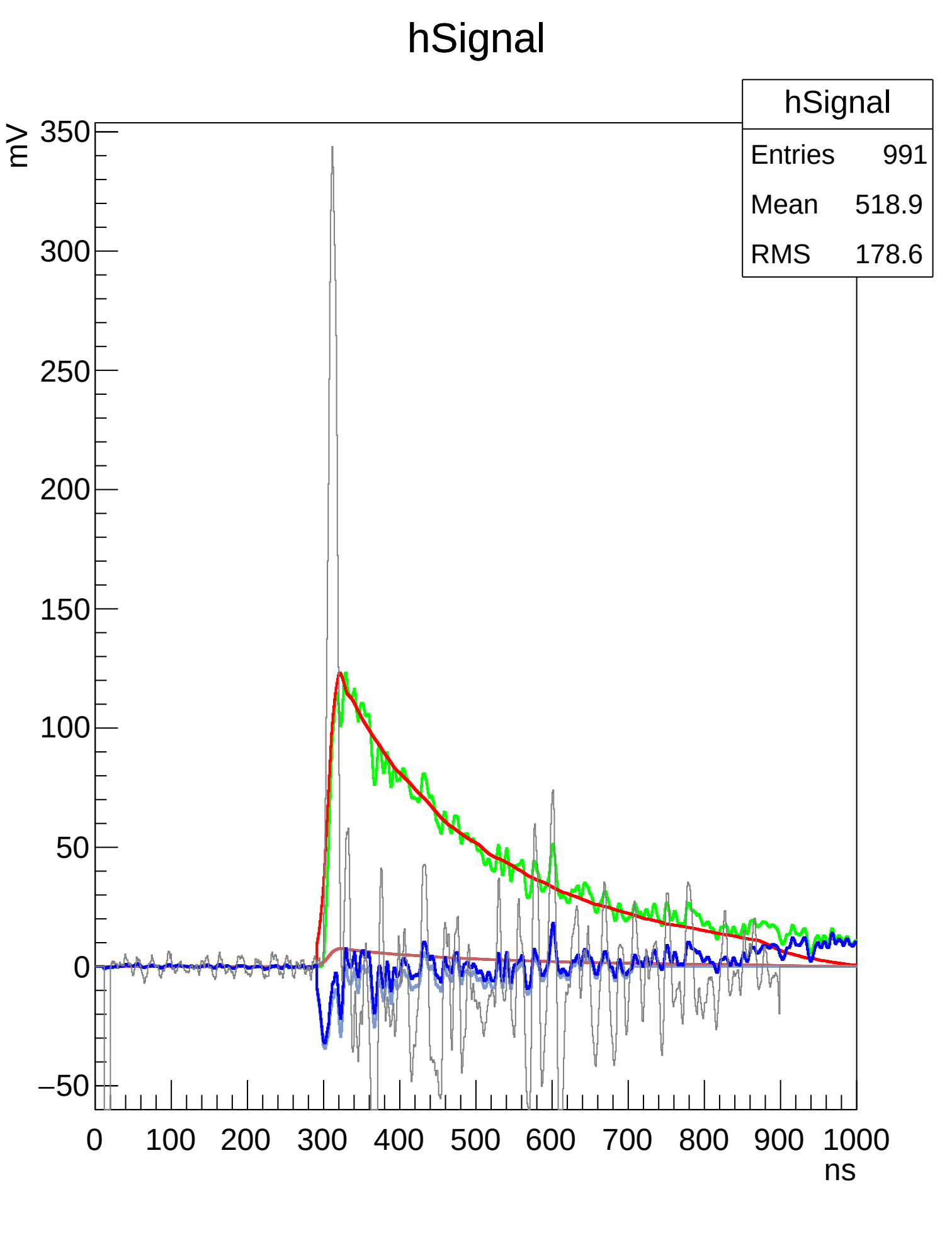

hSignal
hSignal
Entries 991
Mean 516.5
RMS 173.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

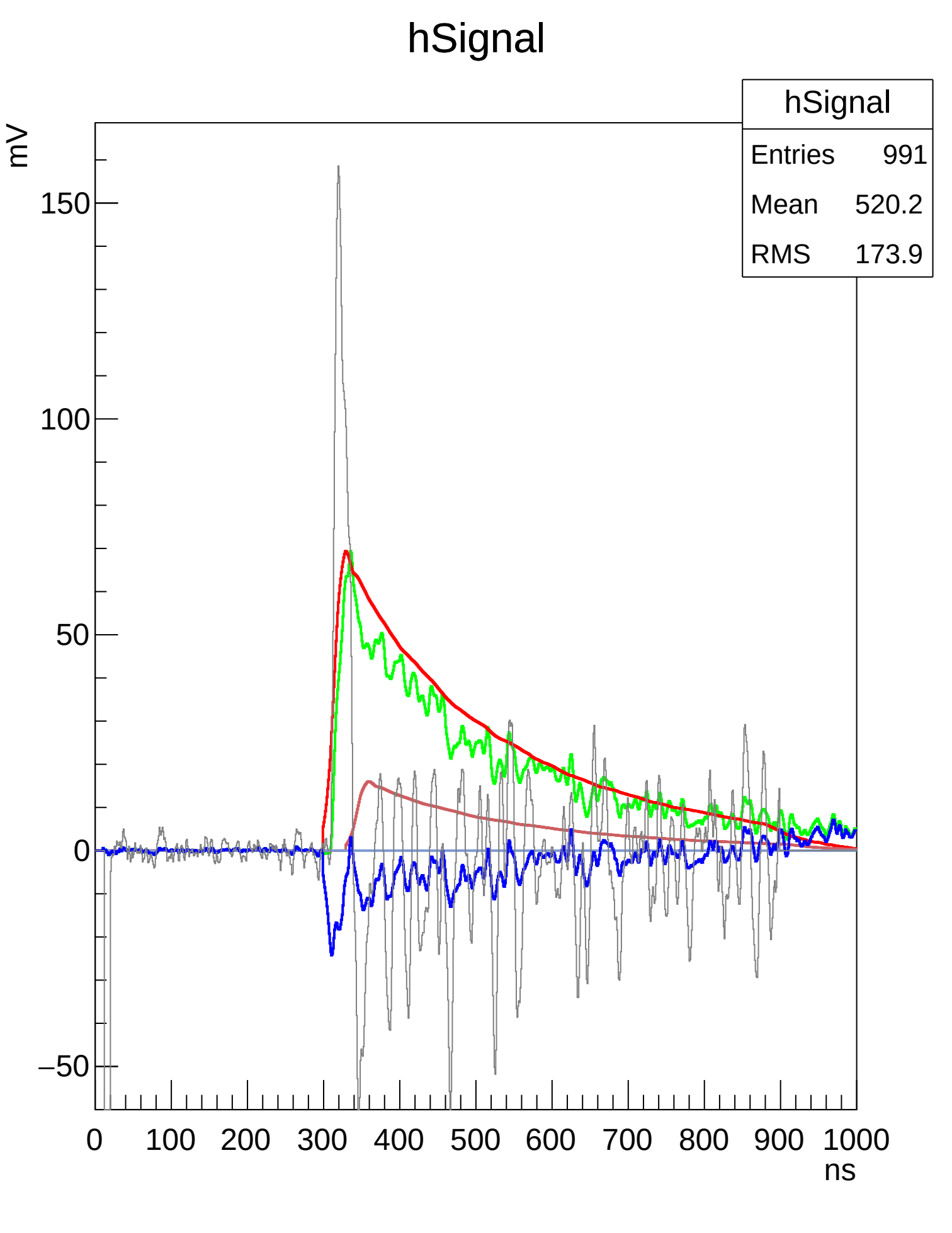

hSignal
hSignal
Entries 991
Mean 553.3
RMS 169.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

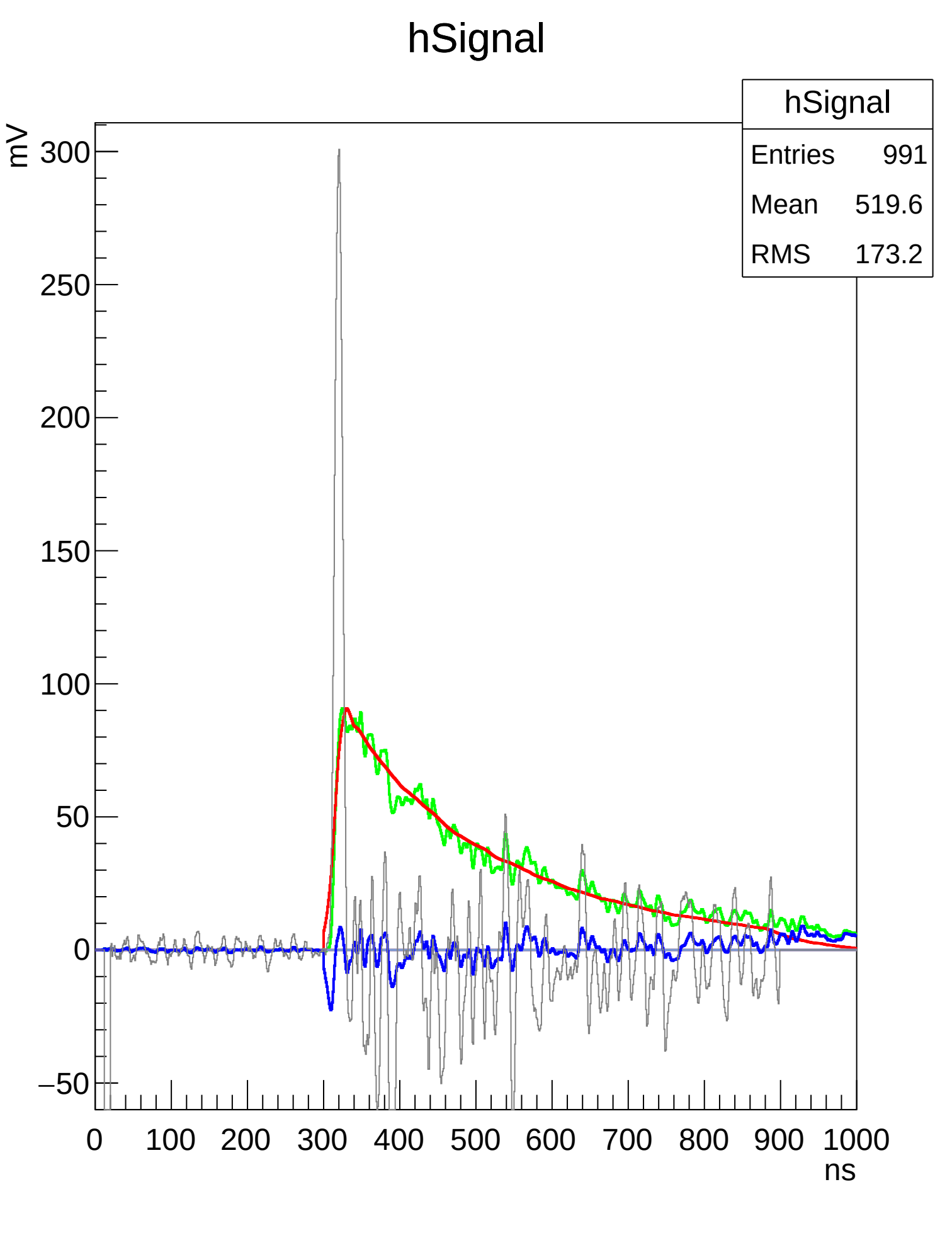

hSignal
hSignal
Entries 991
Mean 518.8
RMS 170.3
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

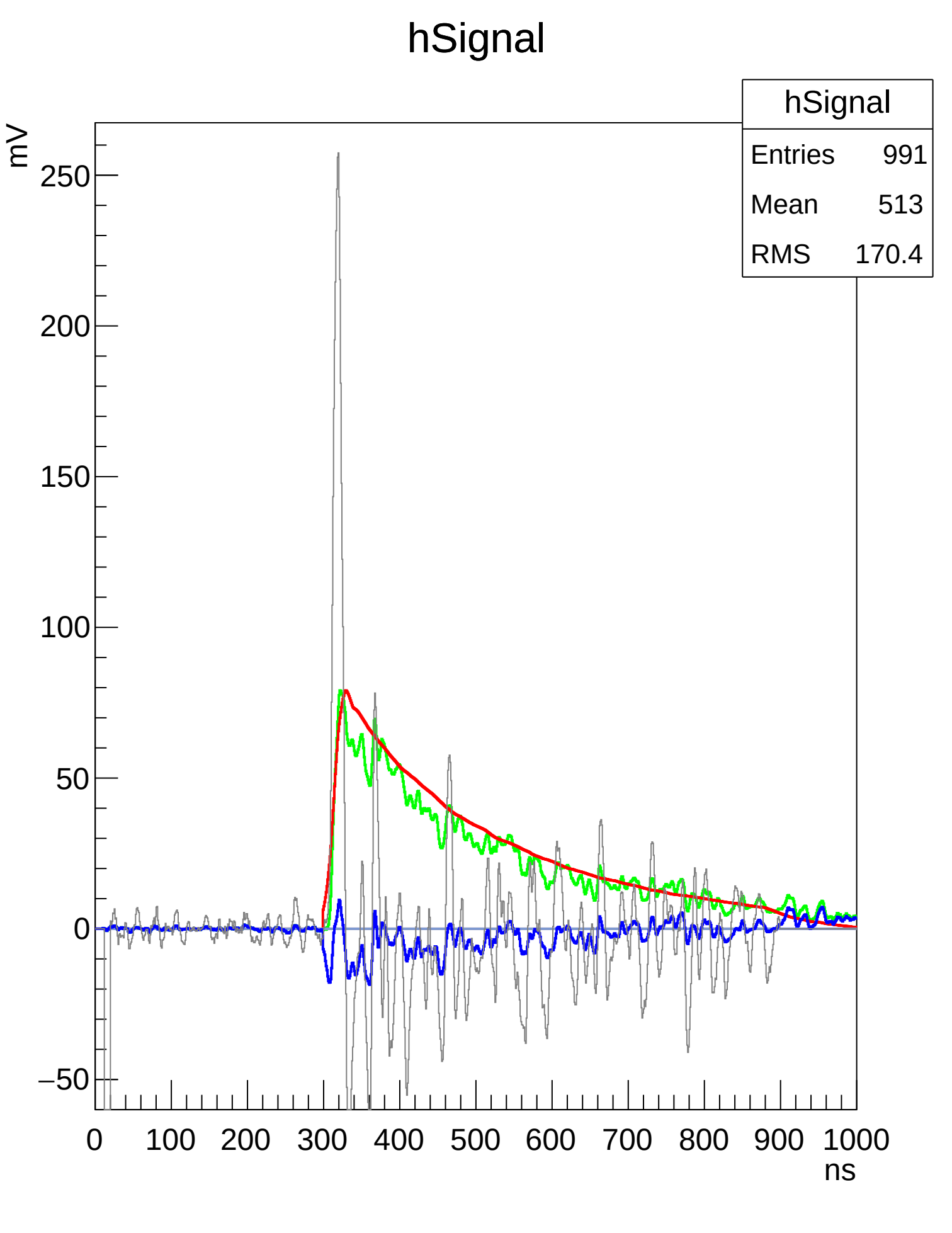

hSignal
hSignal
Entries 991
Mean 527
RMS 181.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

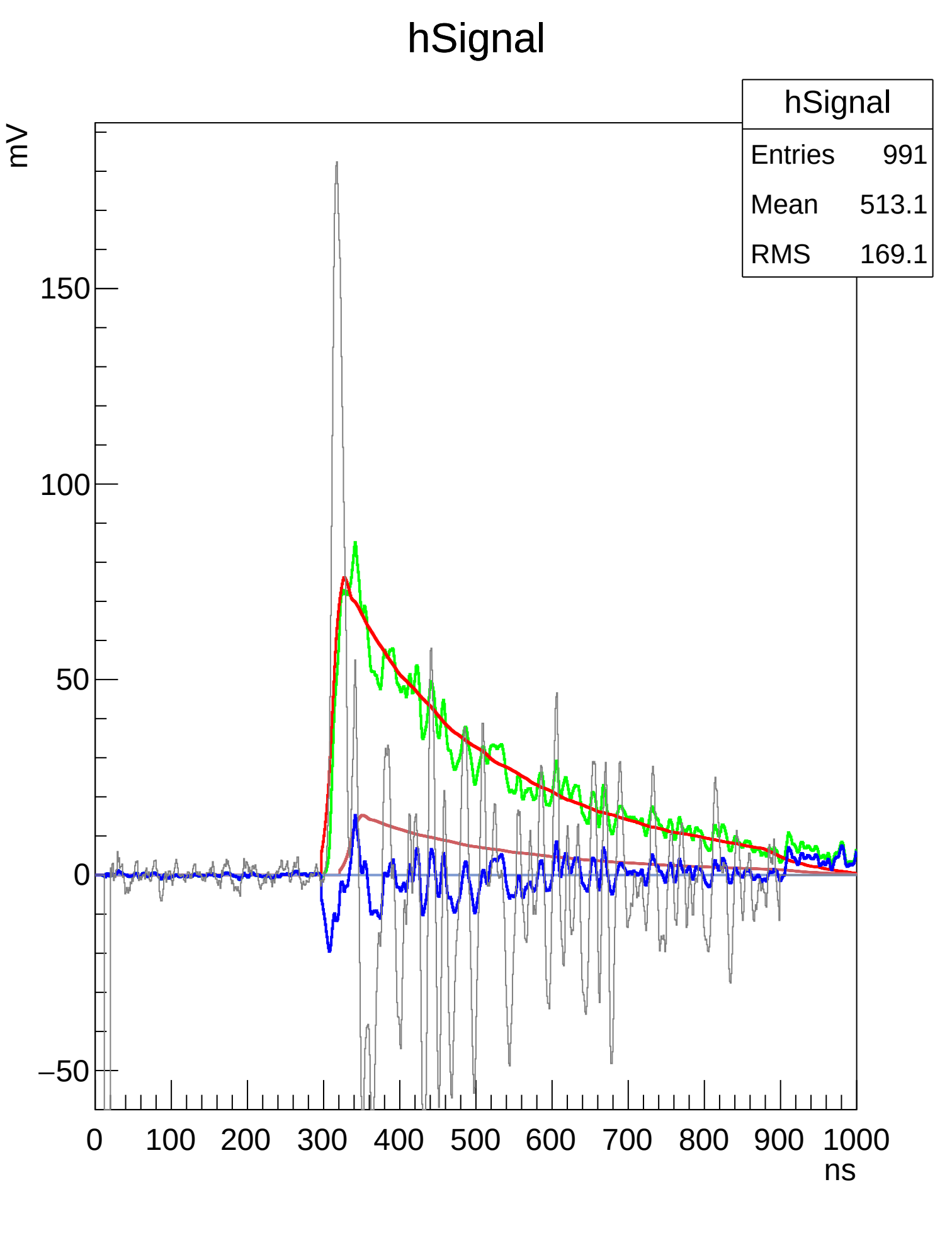

hSignal
hSignal
Entries 991
Mean 565.4
RMS 163
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

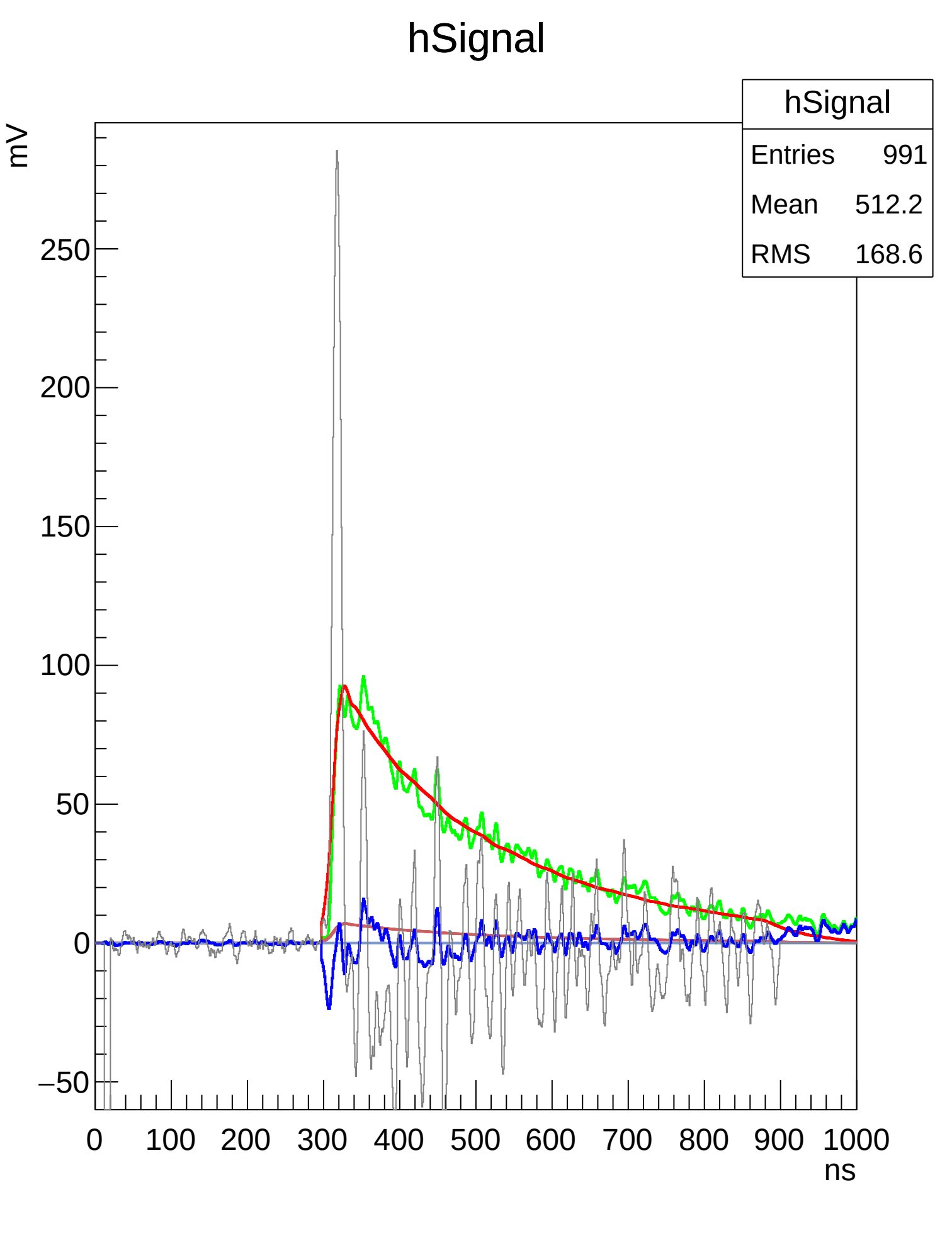

hSignal
hSignal
Entries 991
Mean 518.9
RMS 178.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

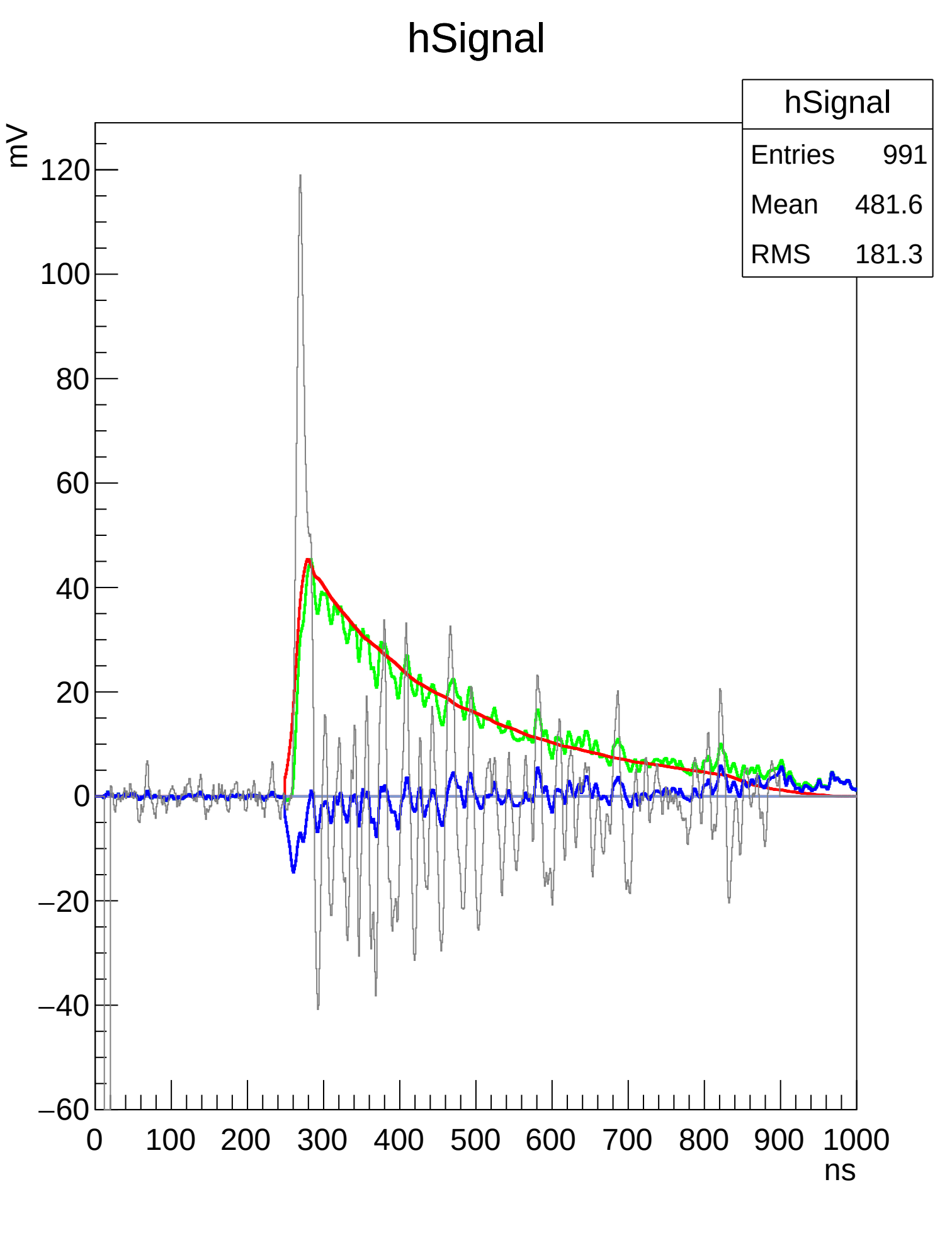

hSignal
hSignal
Entries 991
Mean 520.2
RMS 173.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

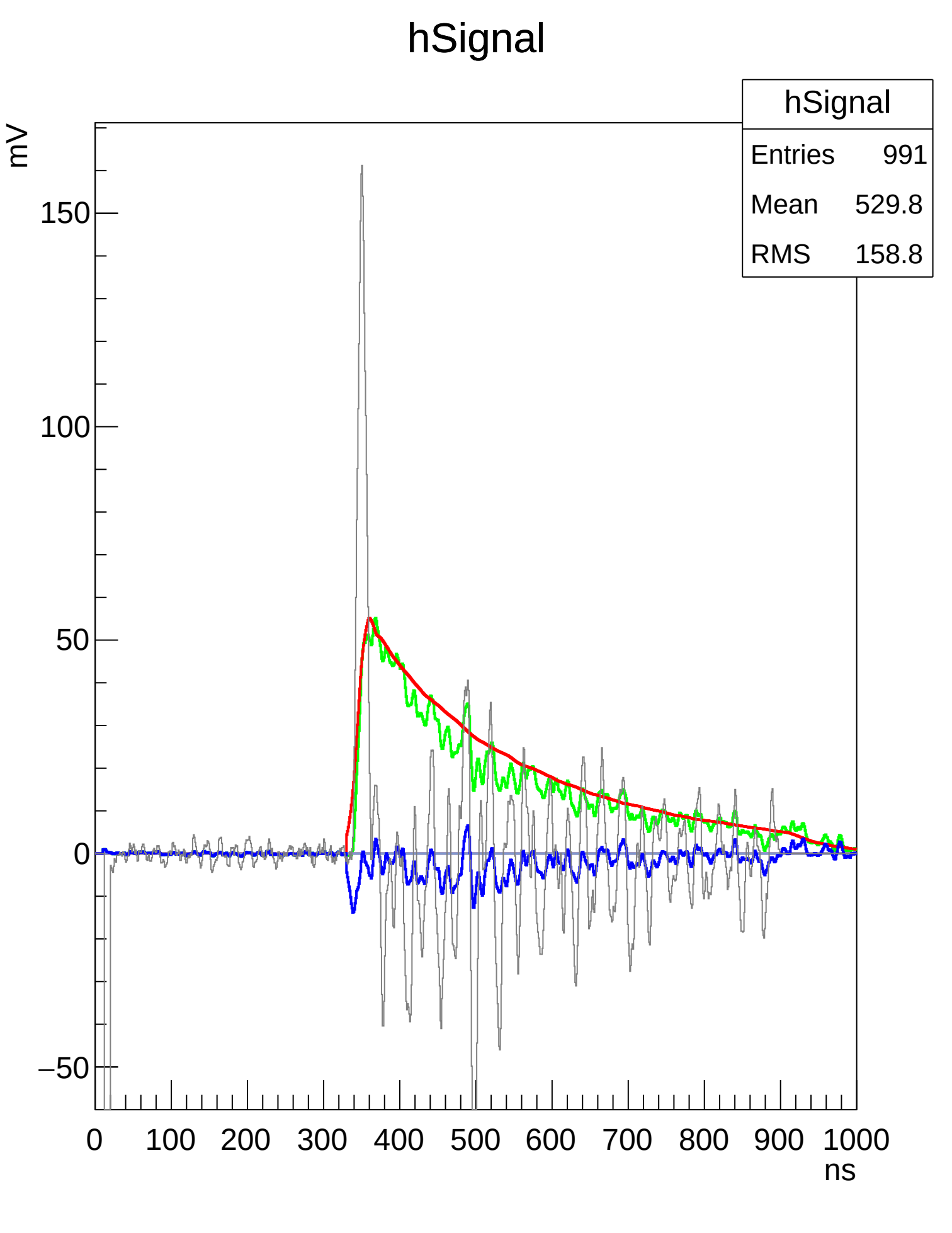

hSignal
hSignal
Entries 991
Mean 519.6
RMS 173.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

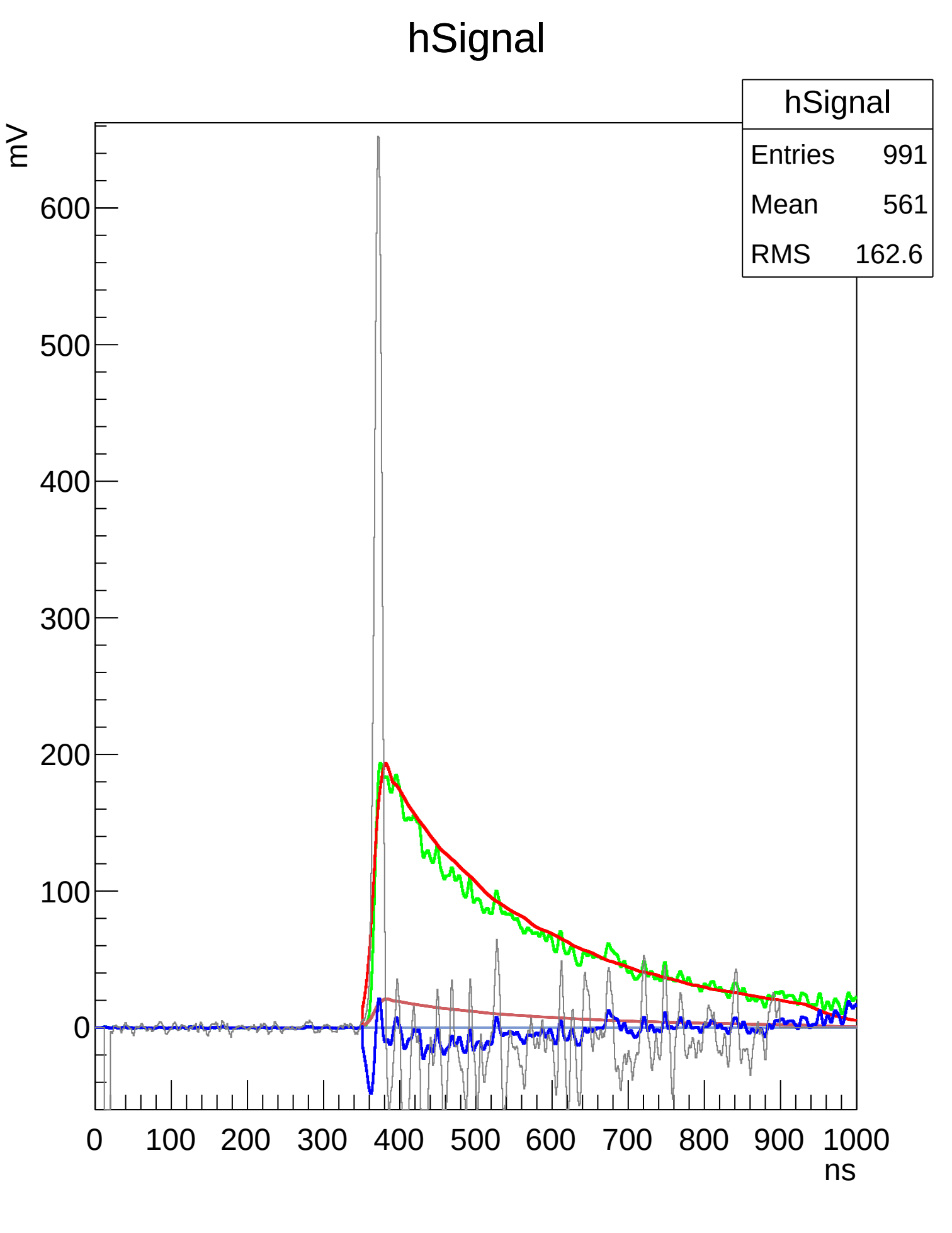

hSignal
hSignal
Entries 991
Mean 513
RMS 170.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

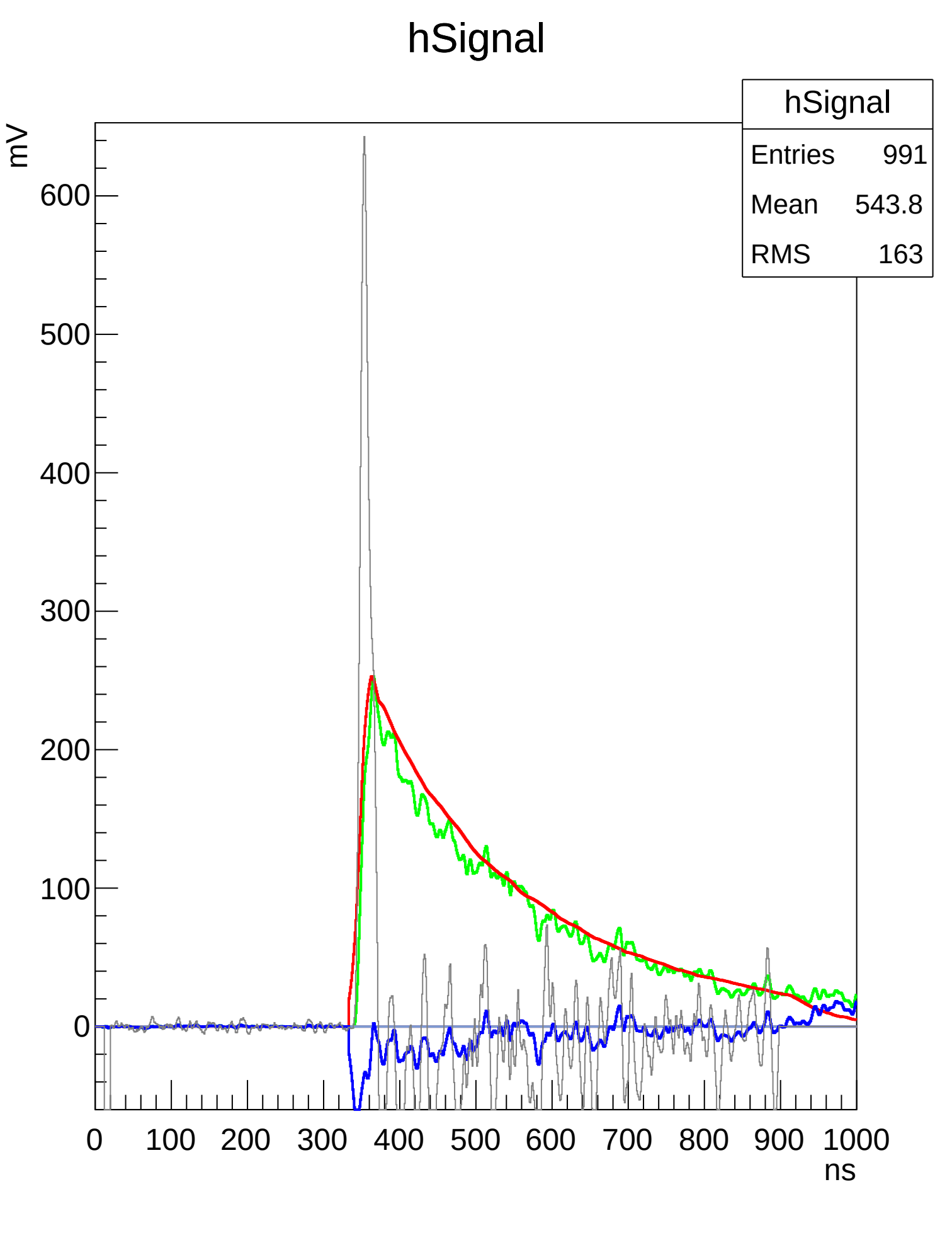

hSignal
hSignal
Entries 991
Mean 513.1
RMS 169.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

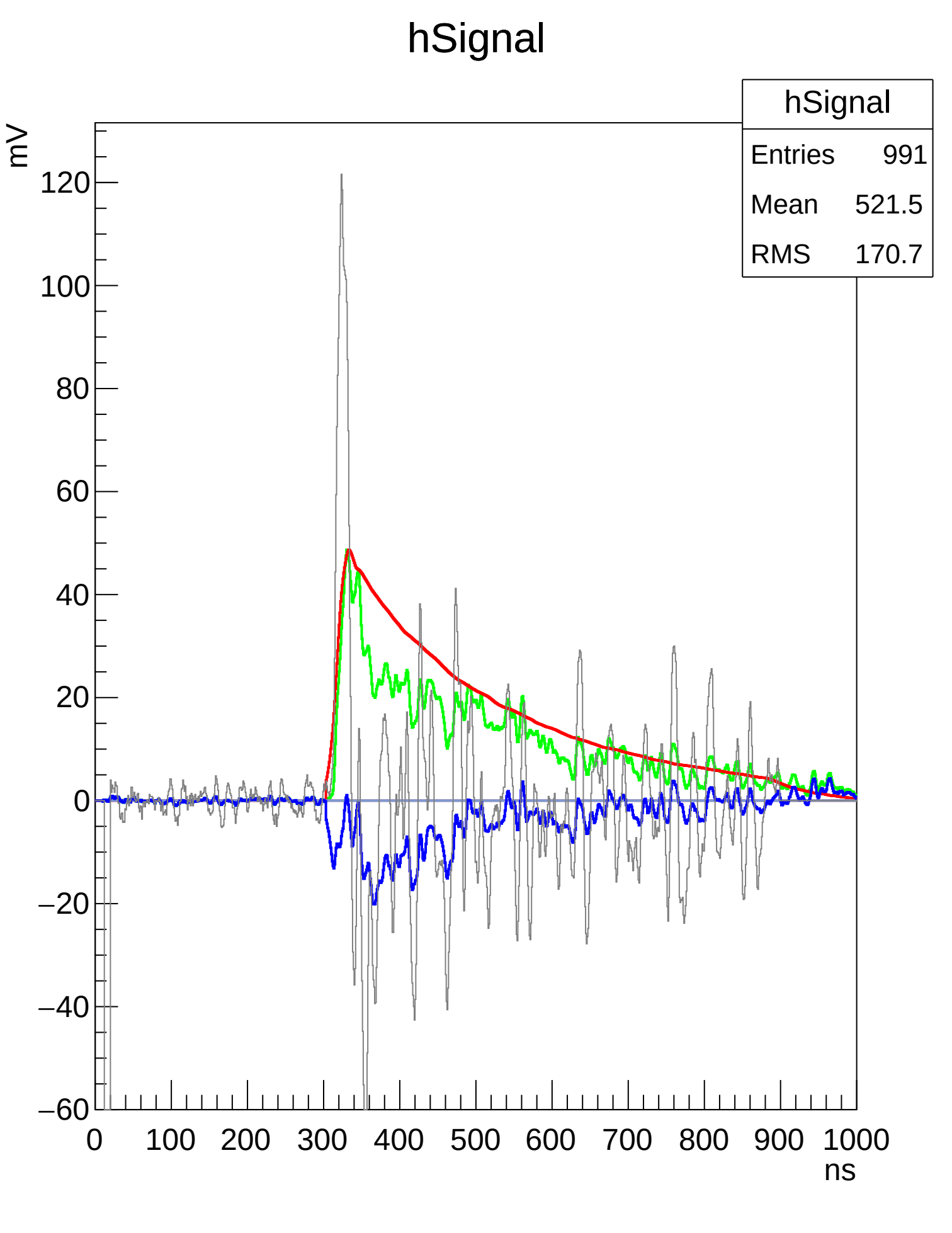

hSignal
hSignal
Entries 991
Mean 512.2
RMS 168.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

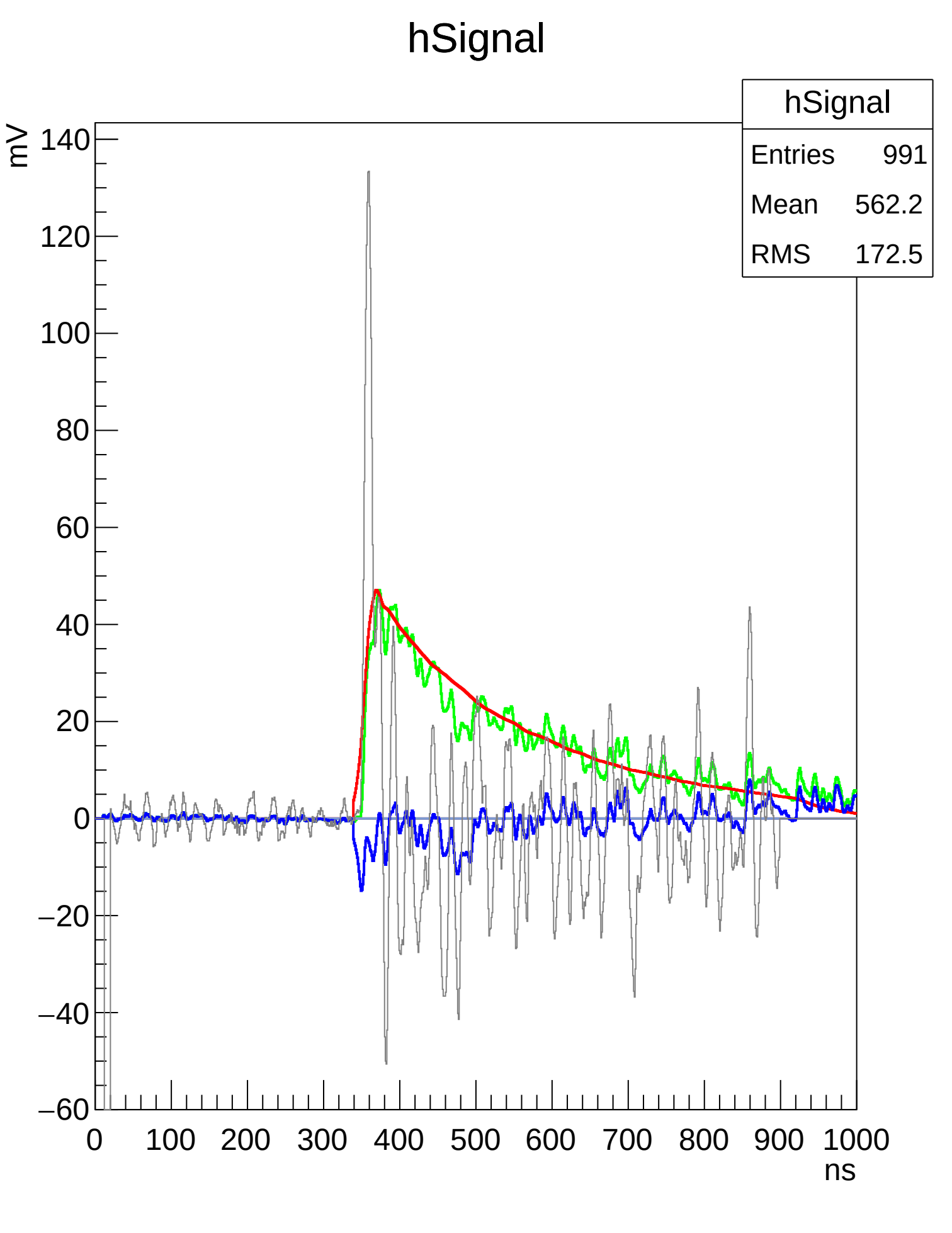

hSignal
hSignal
Entries 991
Mean 481.6
RMS 181.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

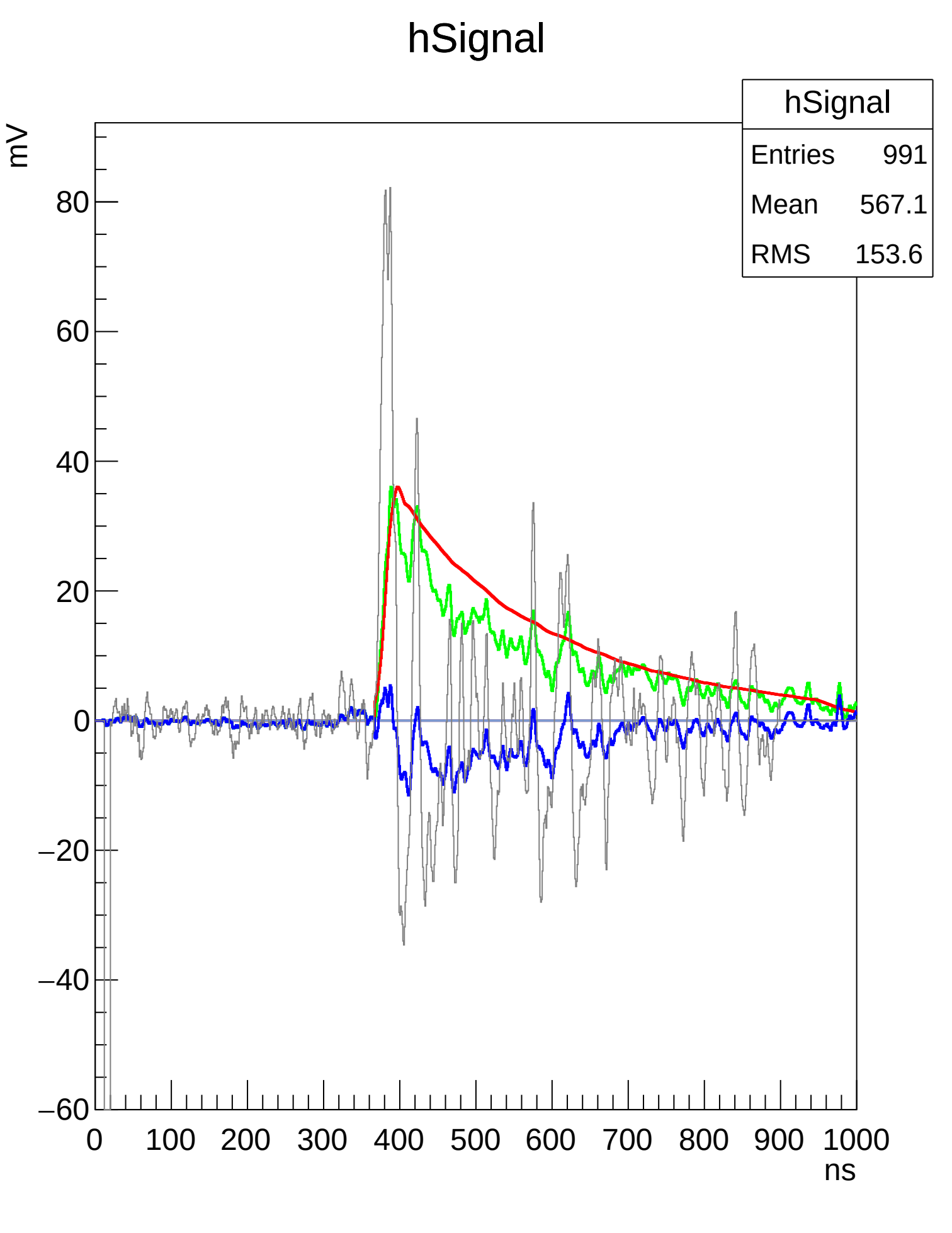

hSignal
hSignal
Entries 991
Mean 529.8
RMS 158.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

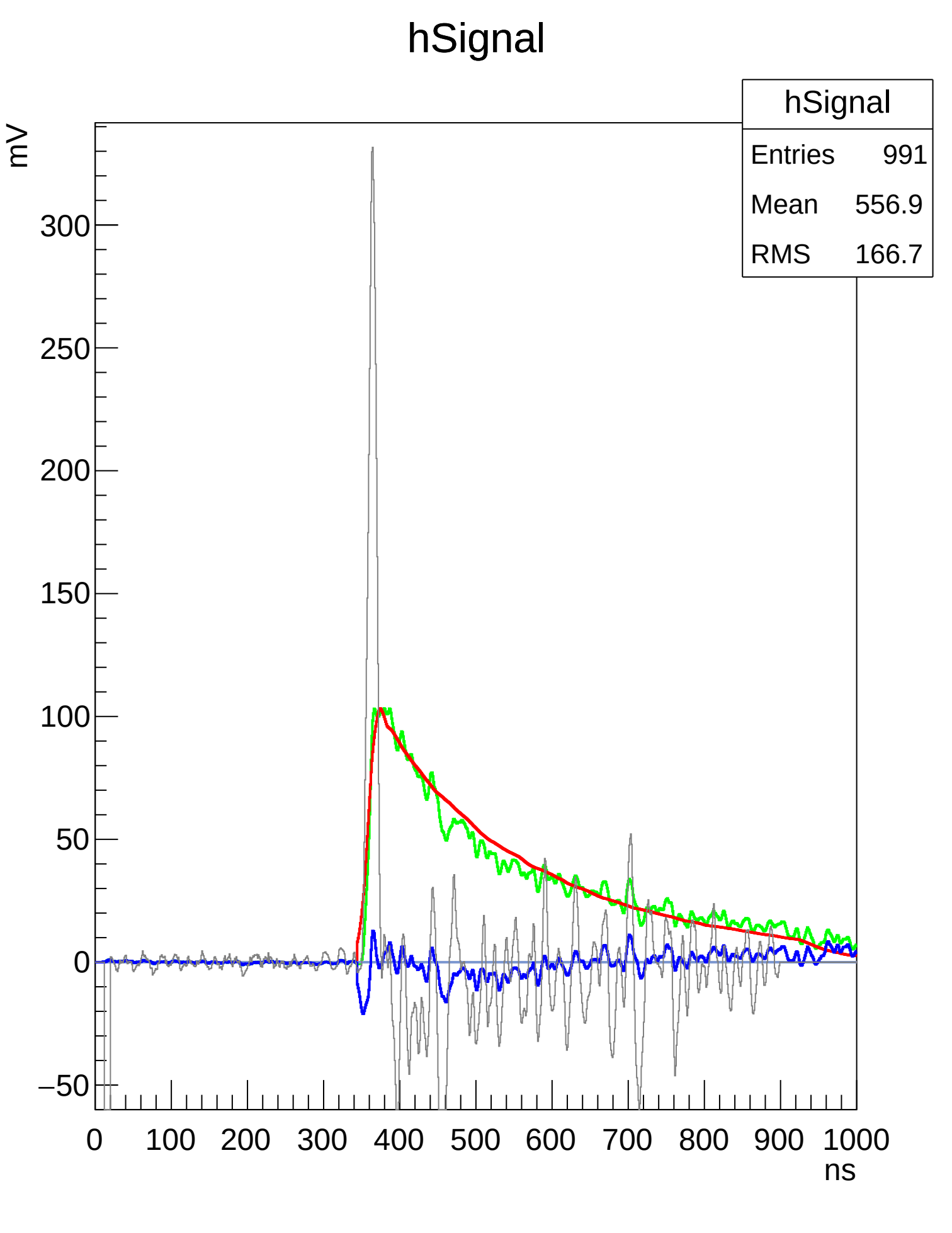

hSignal
hSignal
Entries 991
Mean 561
RMS 162.6
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

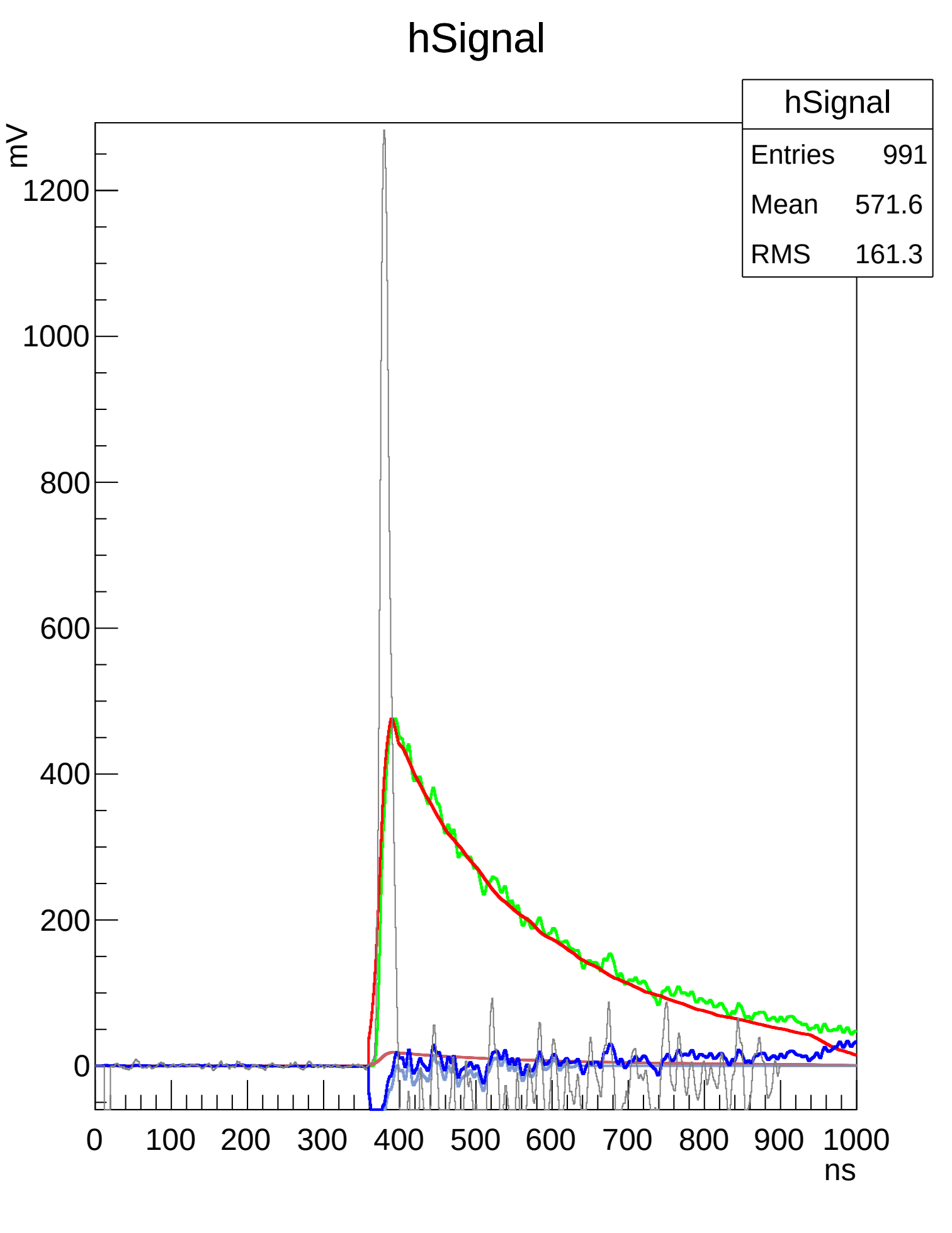

hSignal
hSignal
Entries 991
Mean 543.8
RMS 163
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

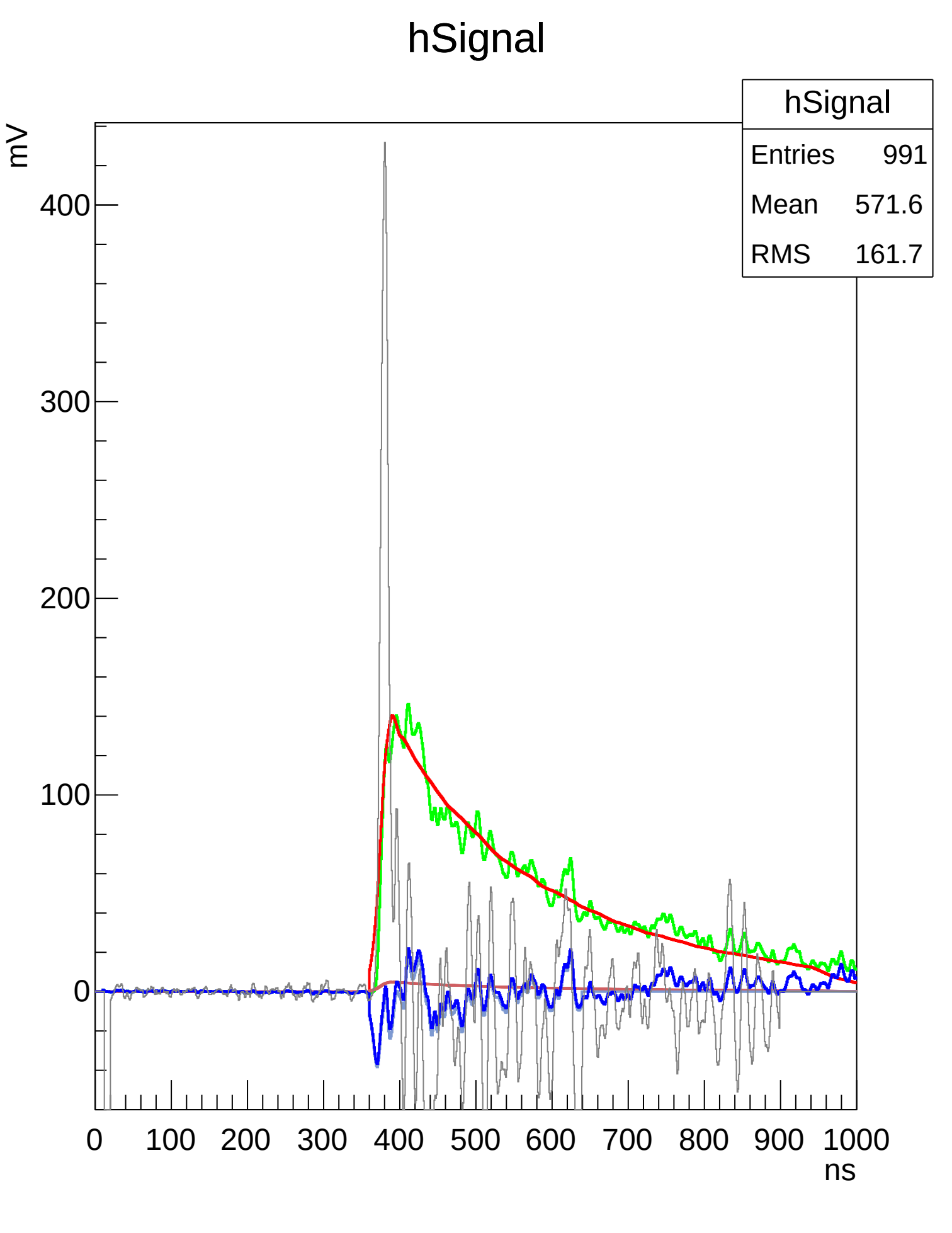

hSignal
hSignal
Entries 991
Mean 521.5
RMS 170.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

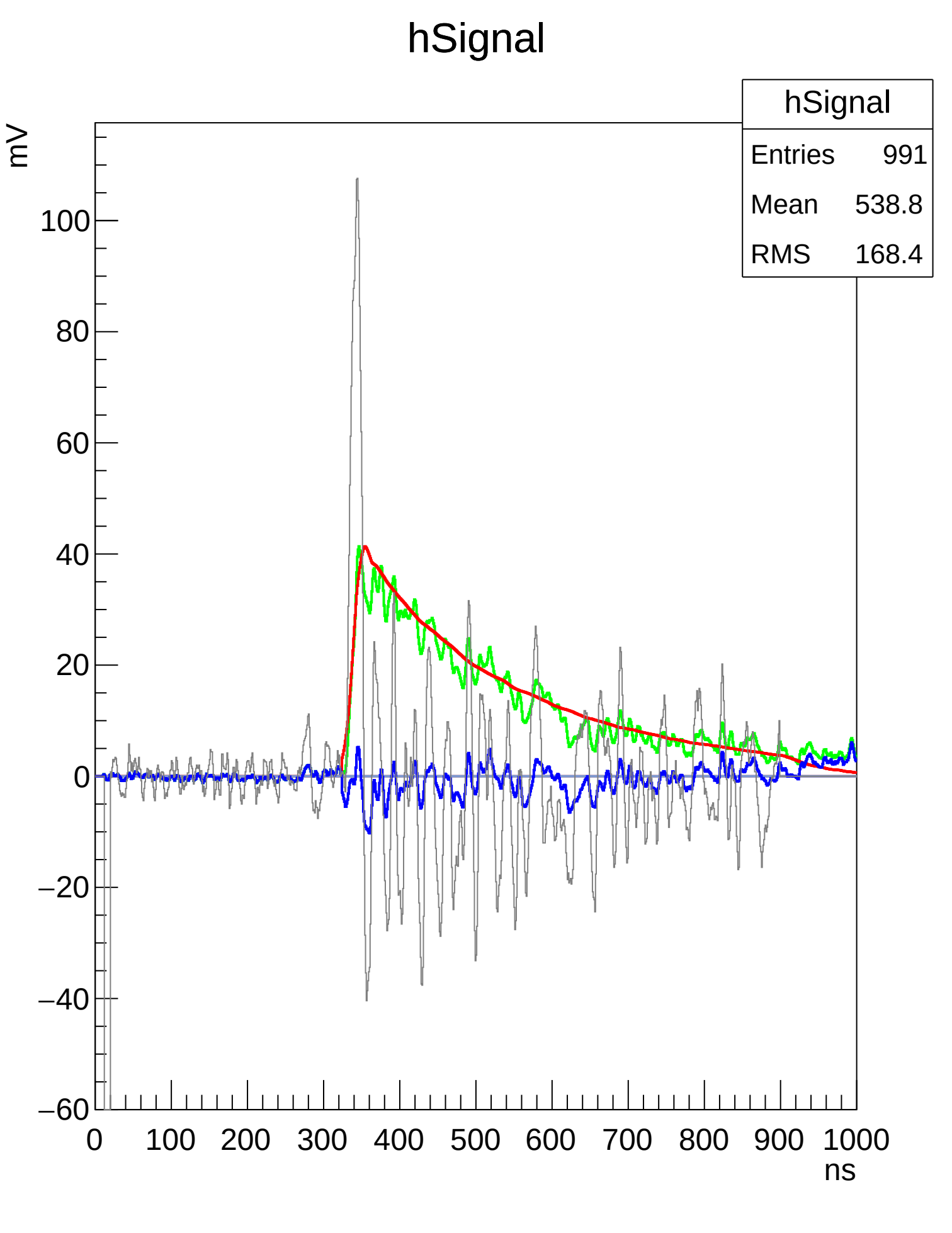

hSignal
hSignal
Entries 991
Mean 562.2
RMS 172.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

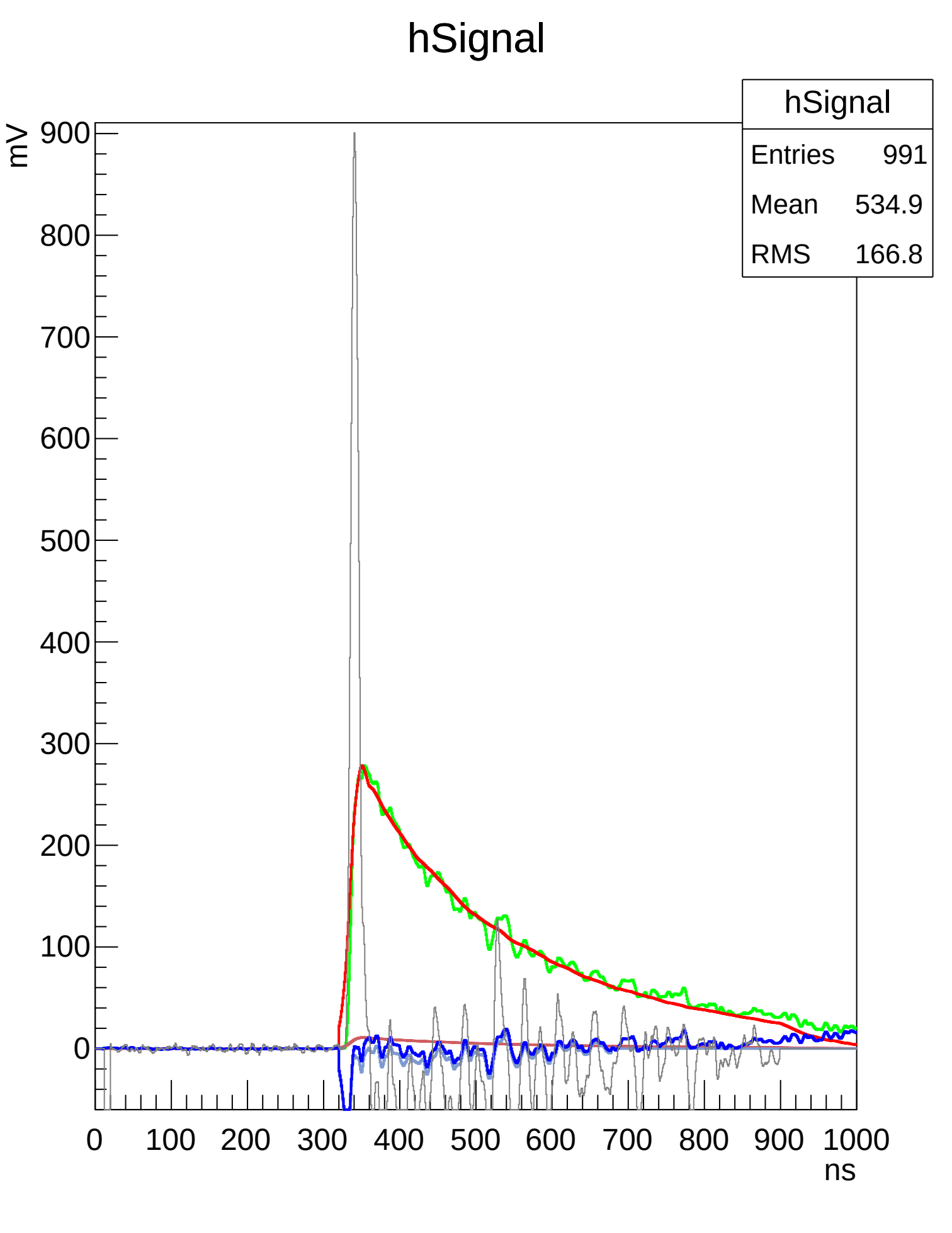

hSignal
hSignal
Entries 991
Mean 567.1
RMS 153.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

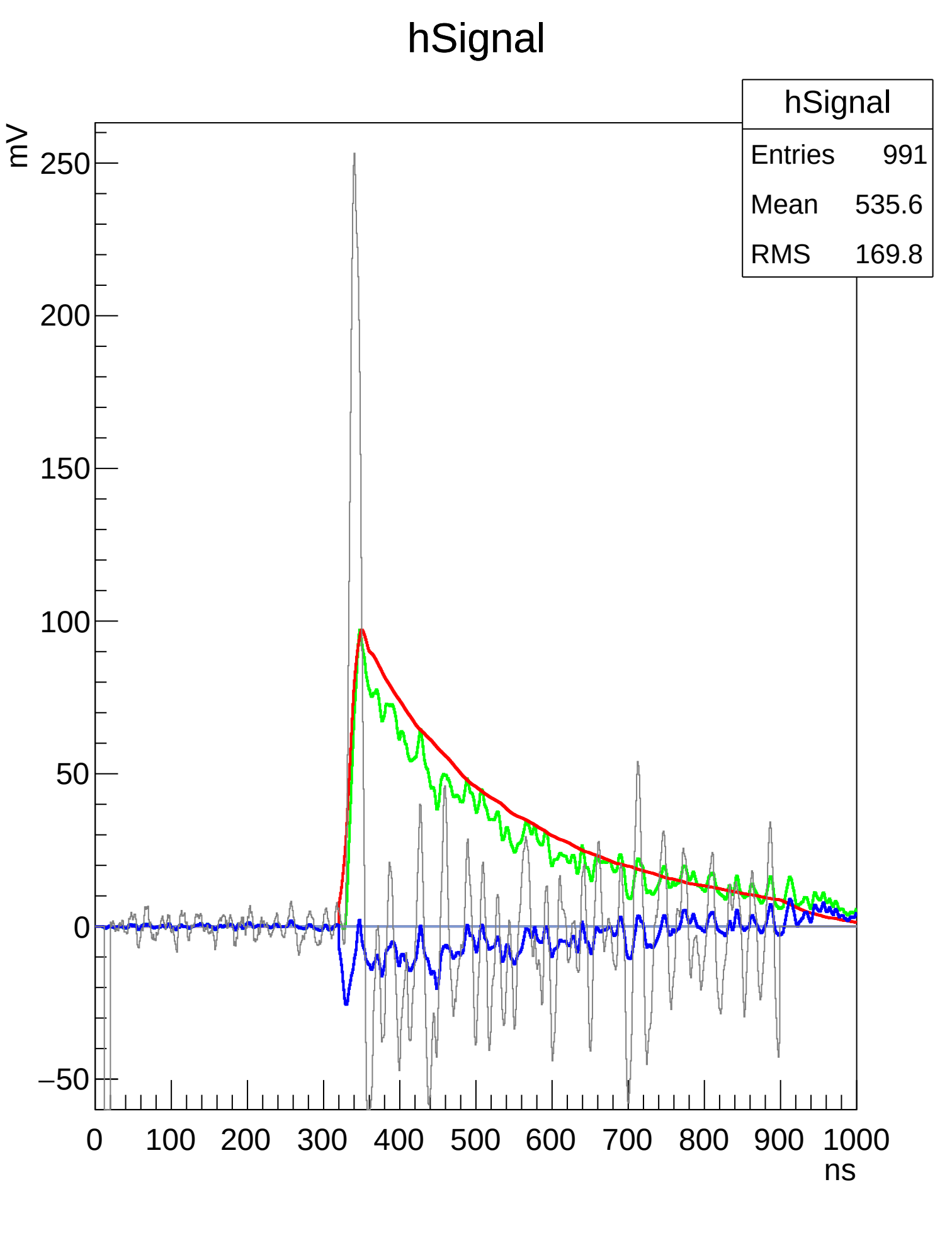

hSignal
hSignal
Entries 991
Mean 556.9
RMS 166.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

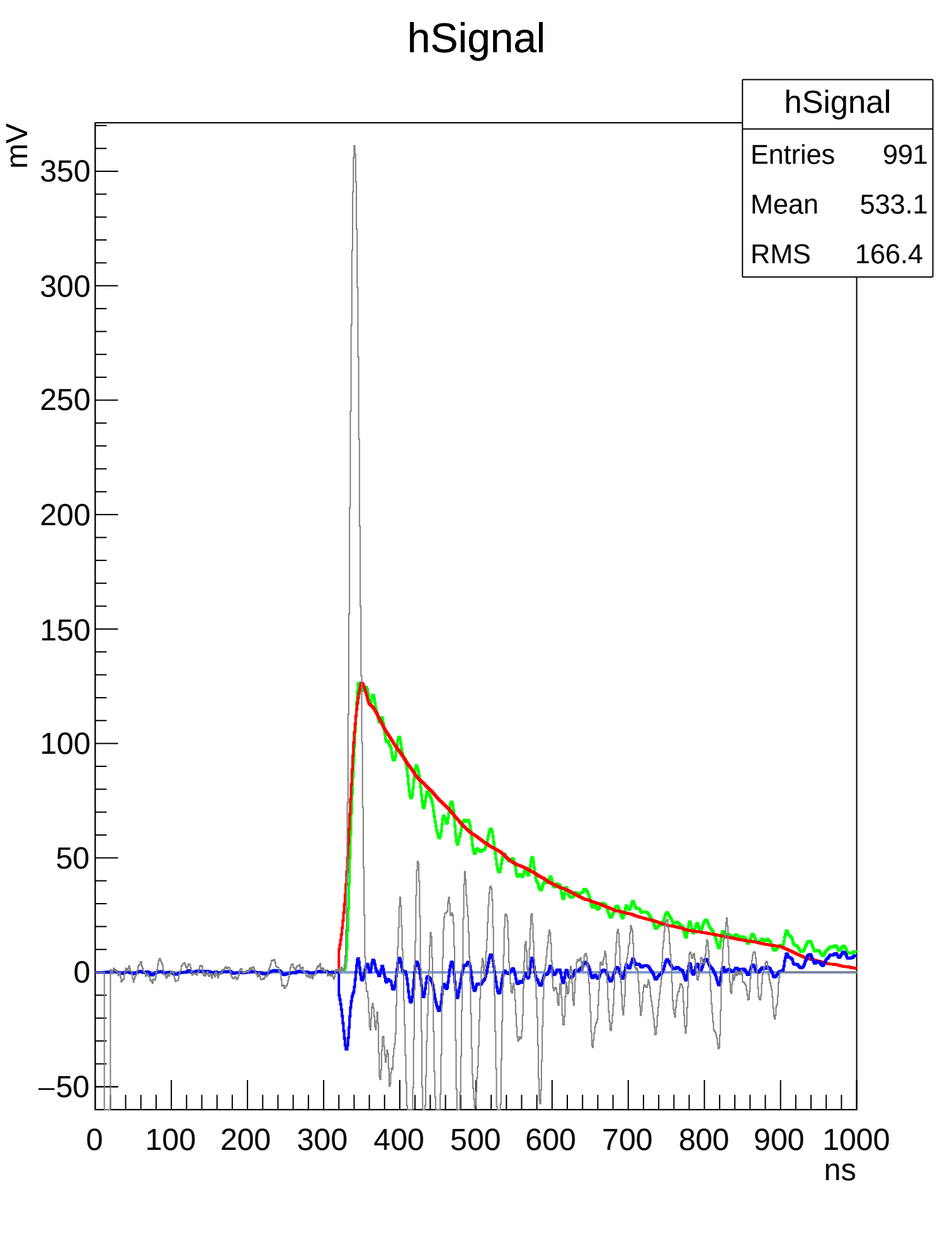

hSignal
hSignal
Entries 991
Mean 571.6
RMS 161.3
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

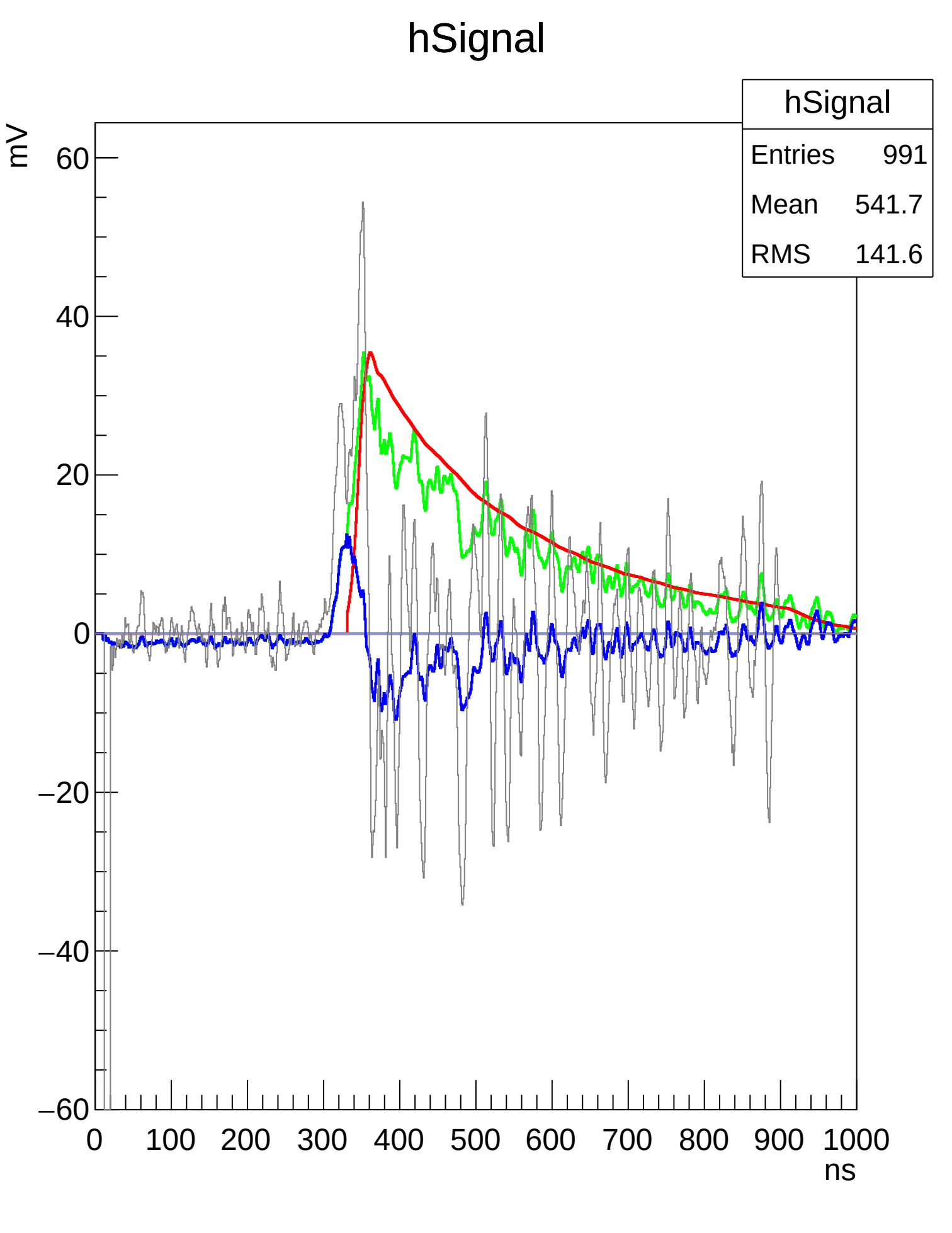

hSignal
hSignal
Entries 991
Mean 571.6
RMS 161.7
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

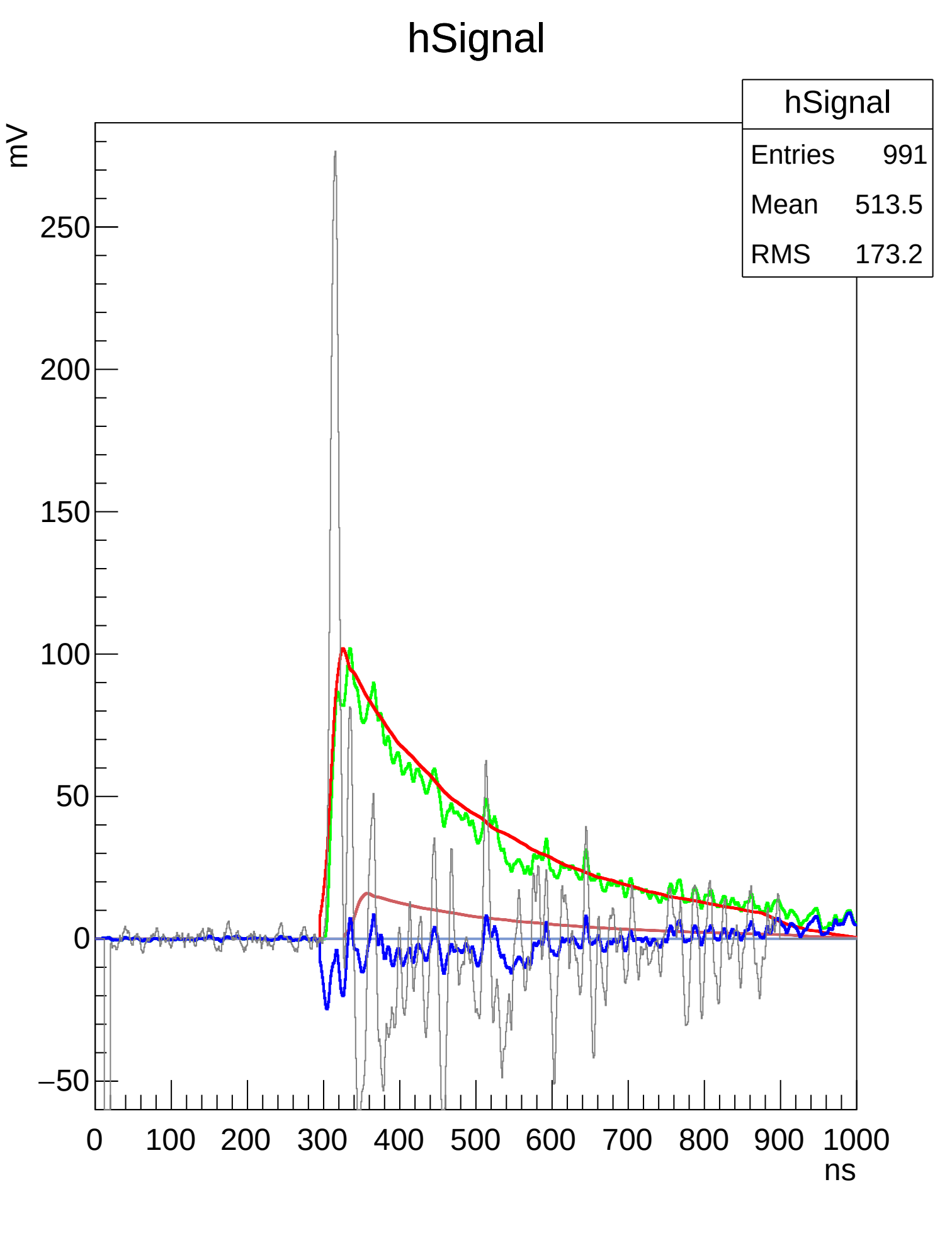

hSignal
hSignal
Entries 991
Mean 538.8
RMS 168.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

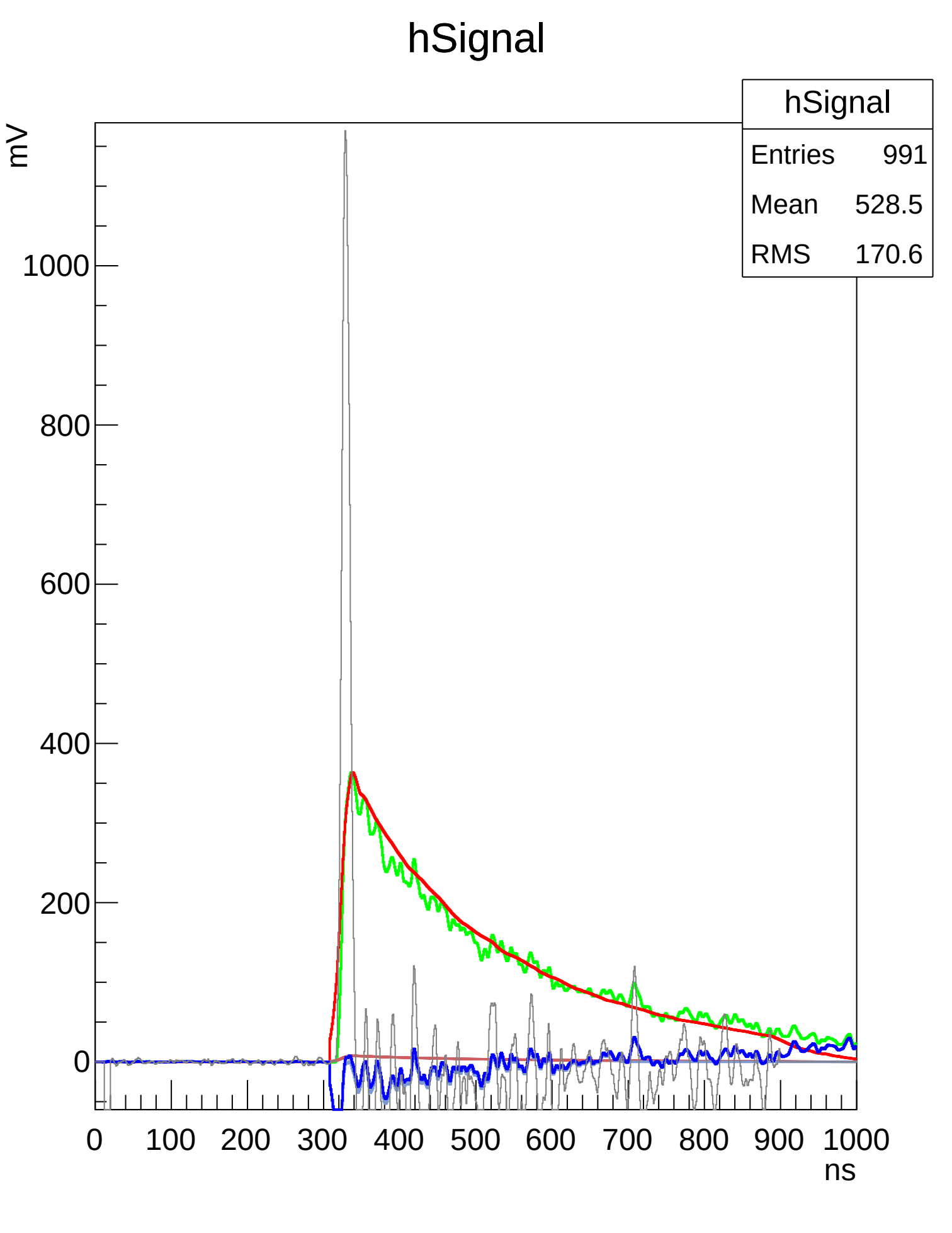

hSignal
hSignal
Entries 991
Mean 534.9
RMS 166.8
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

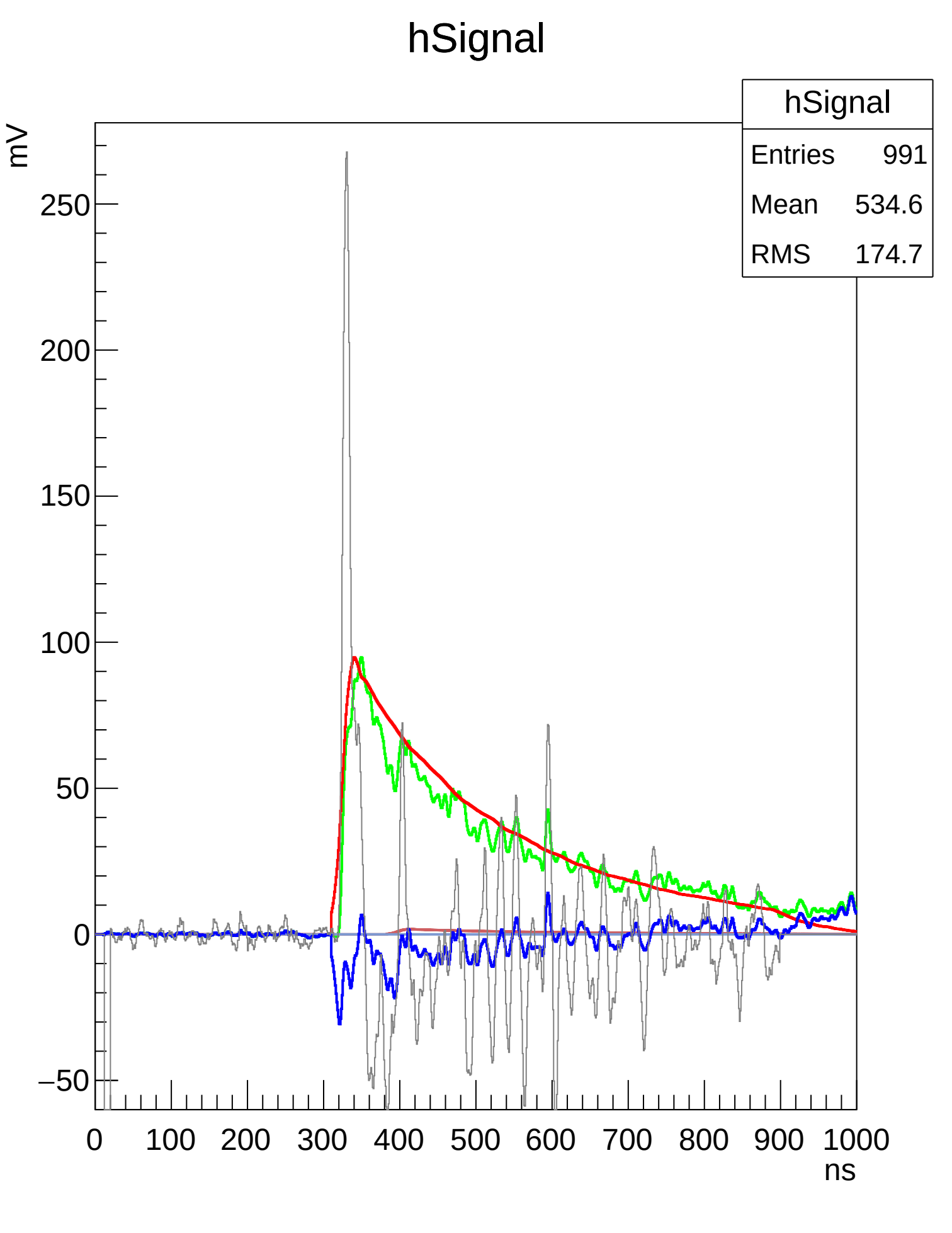

hSignal
hSignal
Entries 991
Mean 535.6
RMS 169.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

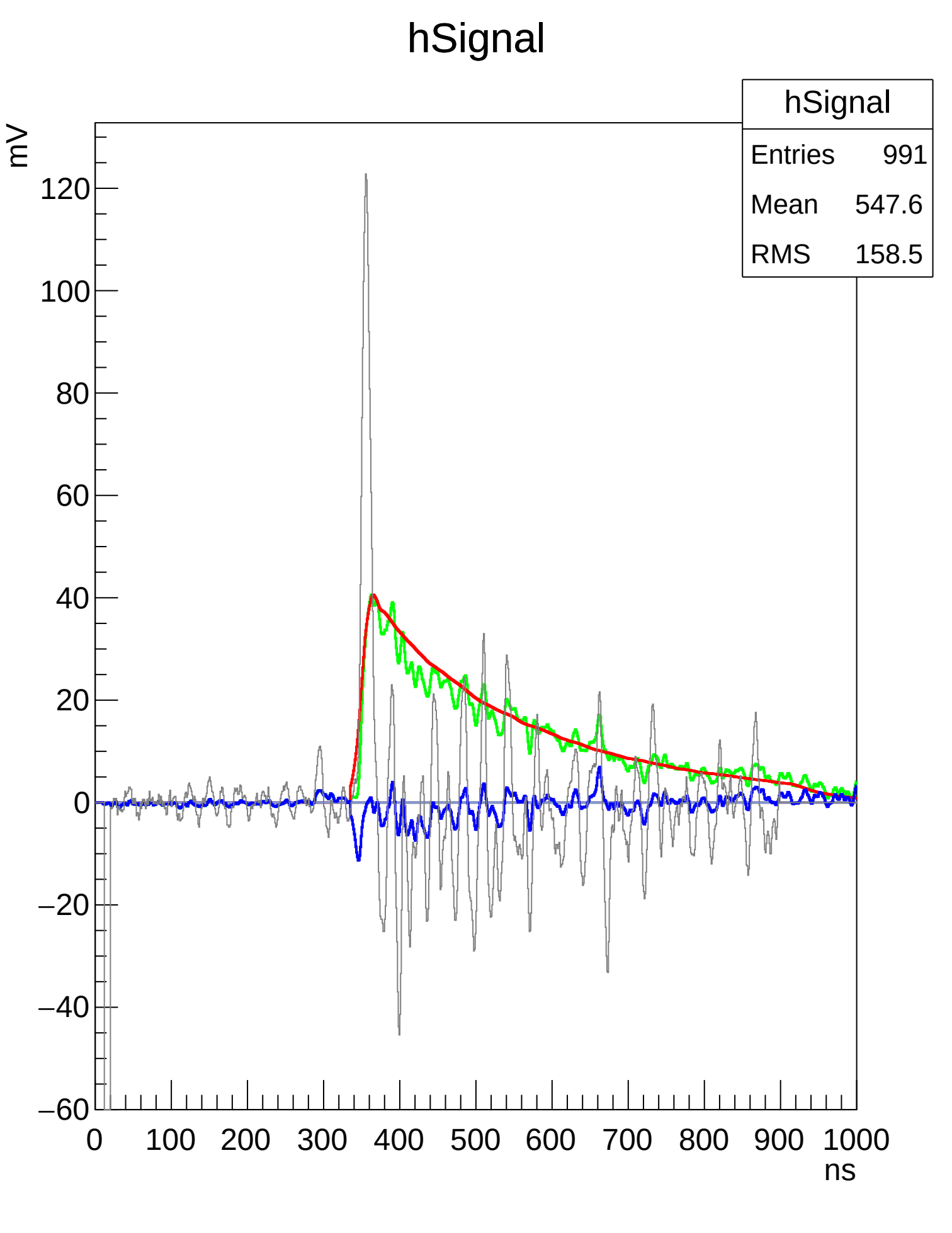

hSignal
hSignal
Entries 991
Mean 533.1
RMS 166.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

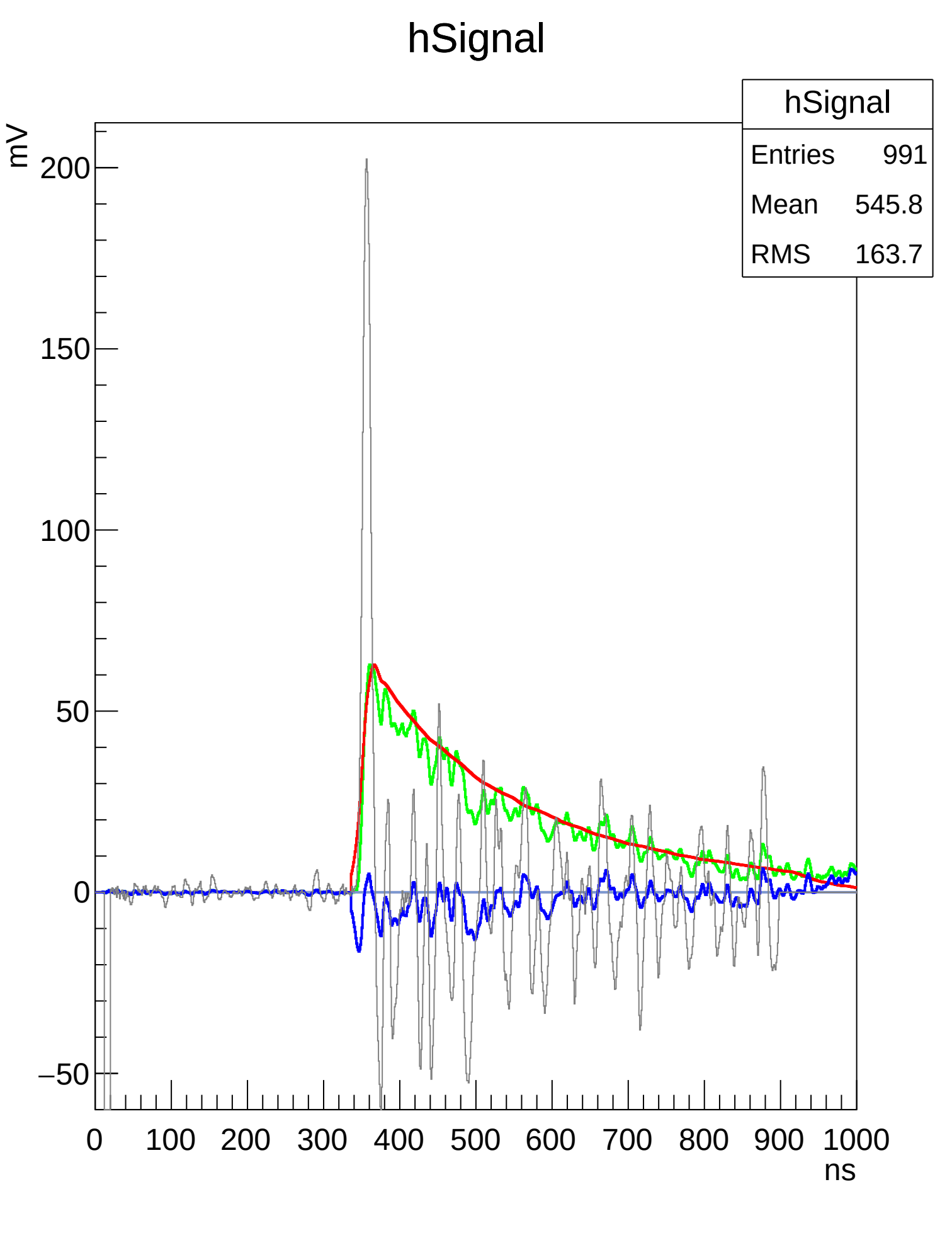

hSignal
hSignal
Entries 991
Mean 541.7
RMS 141.6
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

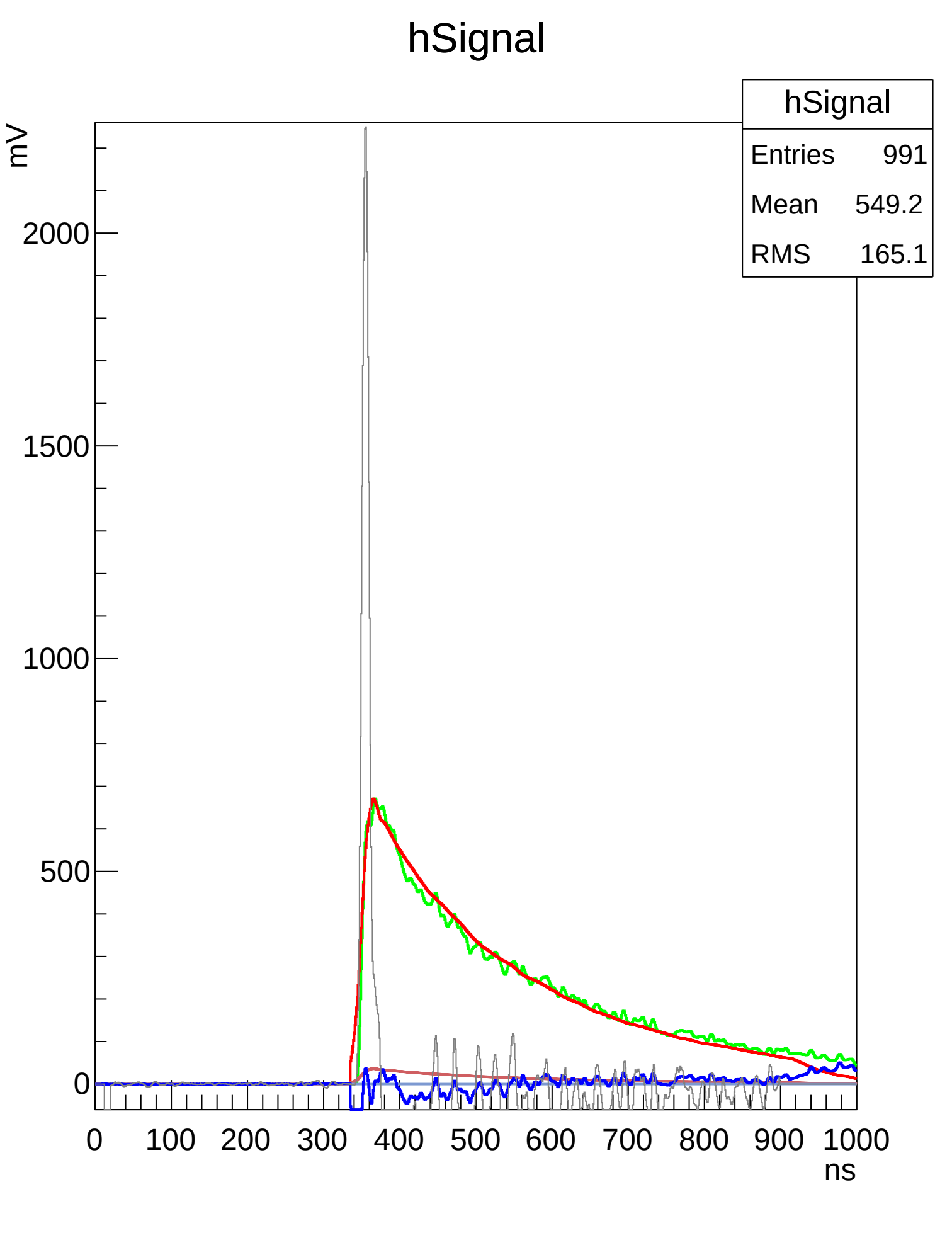

hSignal
hSignal
Entries 991
Mean 513.5
RMS 173.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

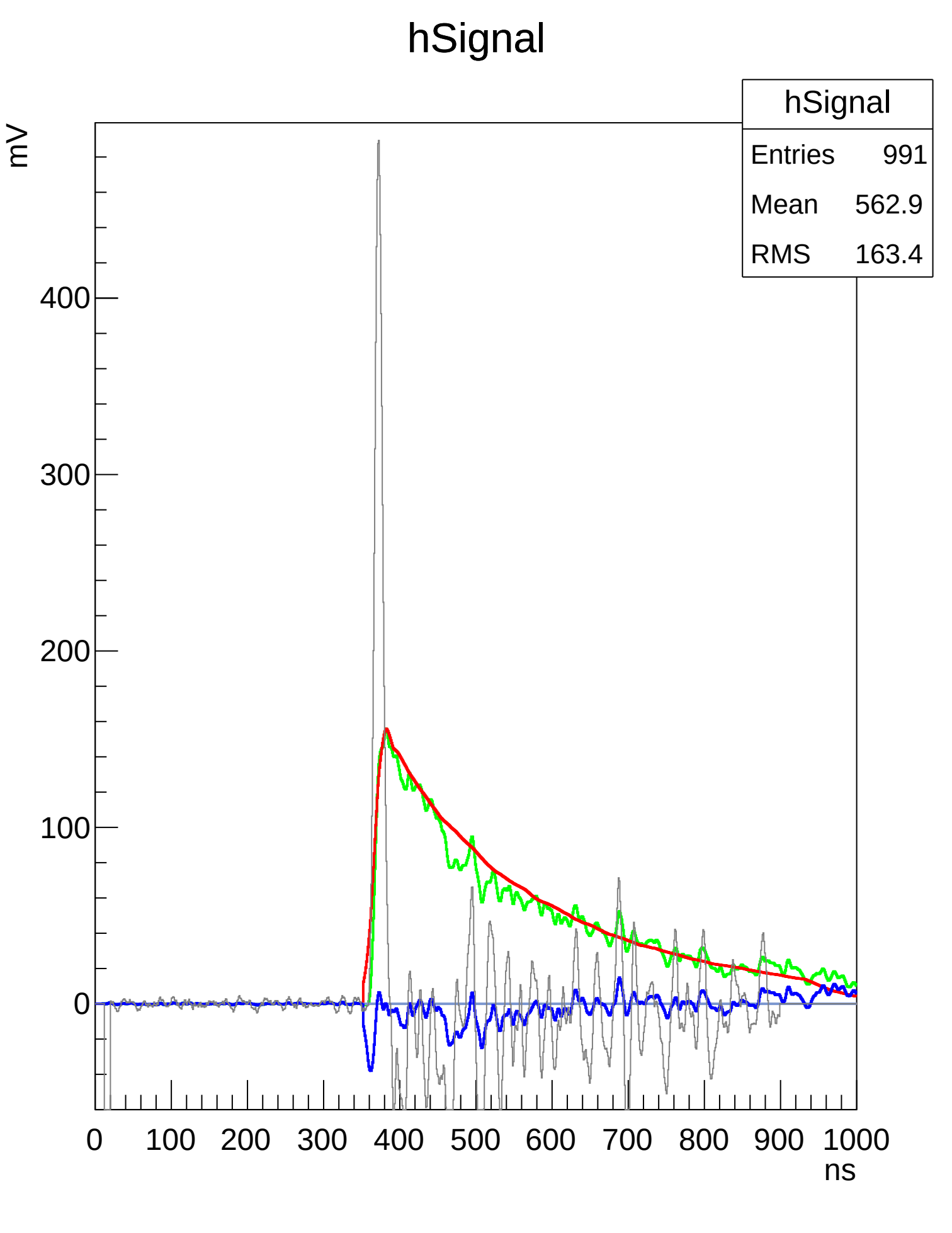

hSignal
hSignal
Entries 991
Mean 528.5
RMS 170.6
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

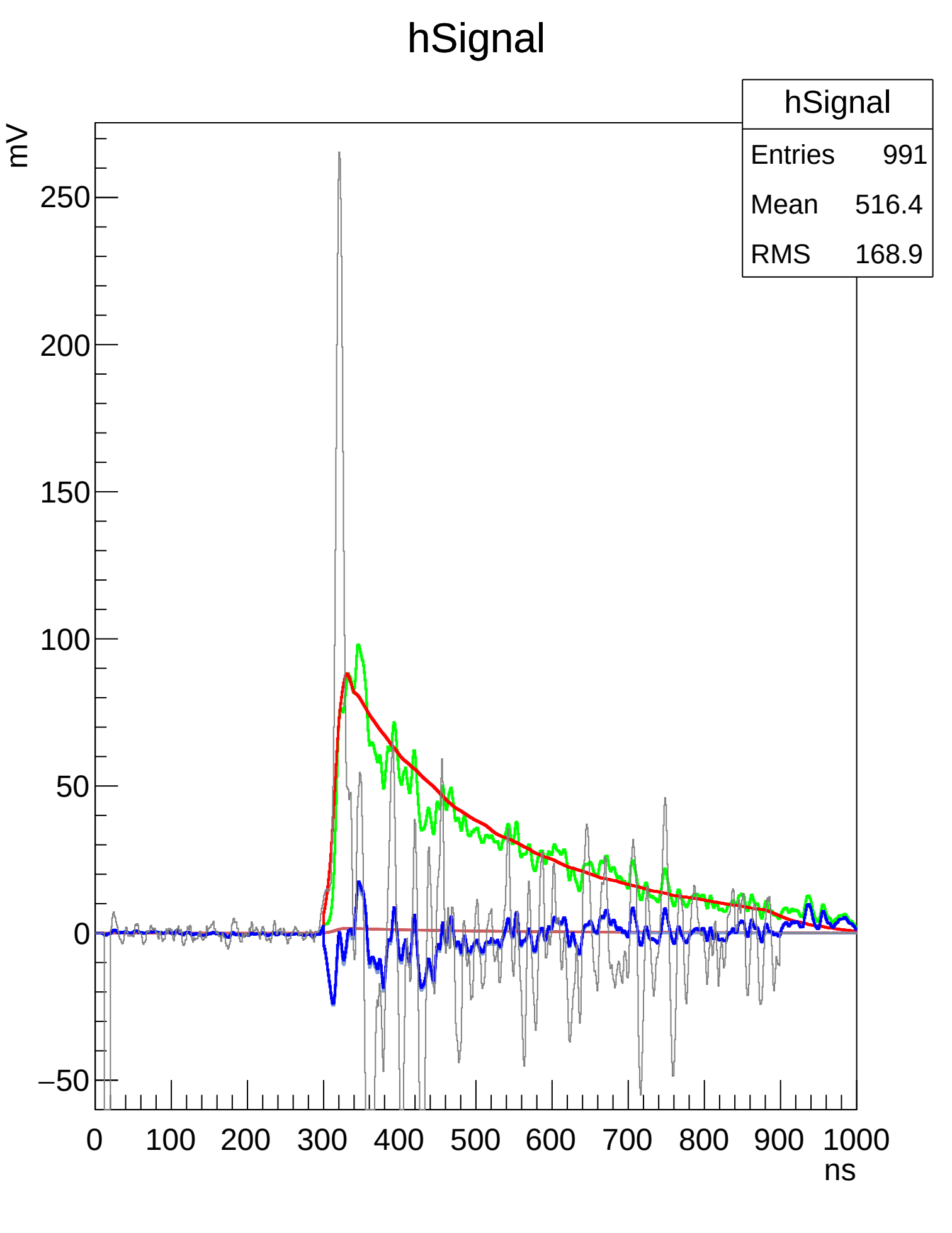

hSignal
hSignal
Entries 991
Mean 534.6
RMS 174.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

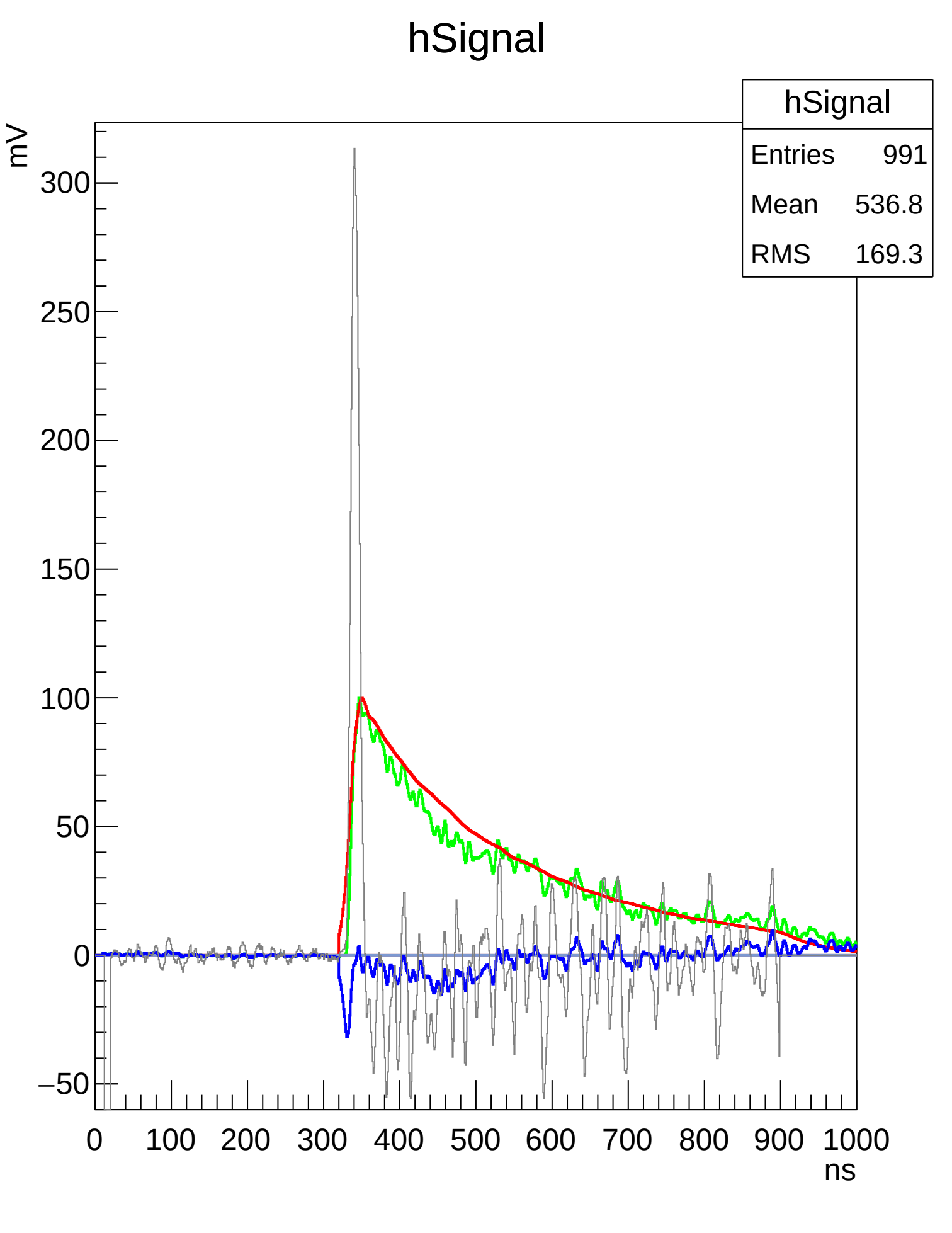

hSignal
hSignal
Entries 991
Mean 547.6
RMS 158.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

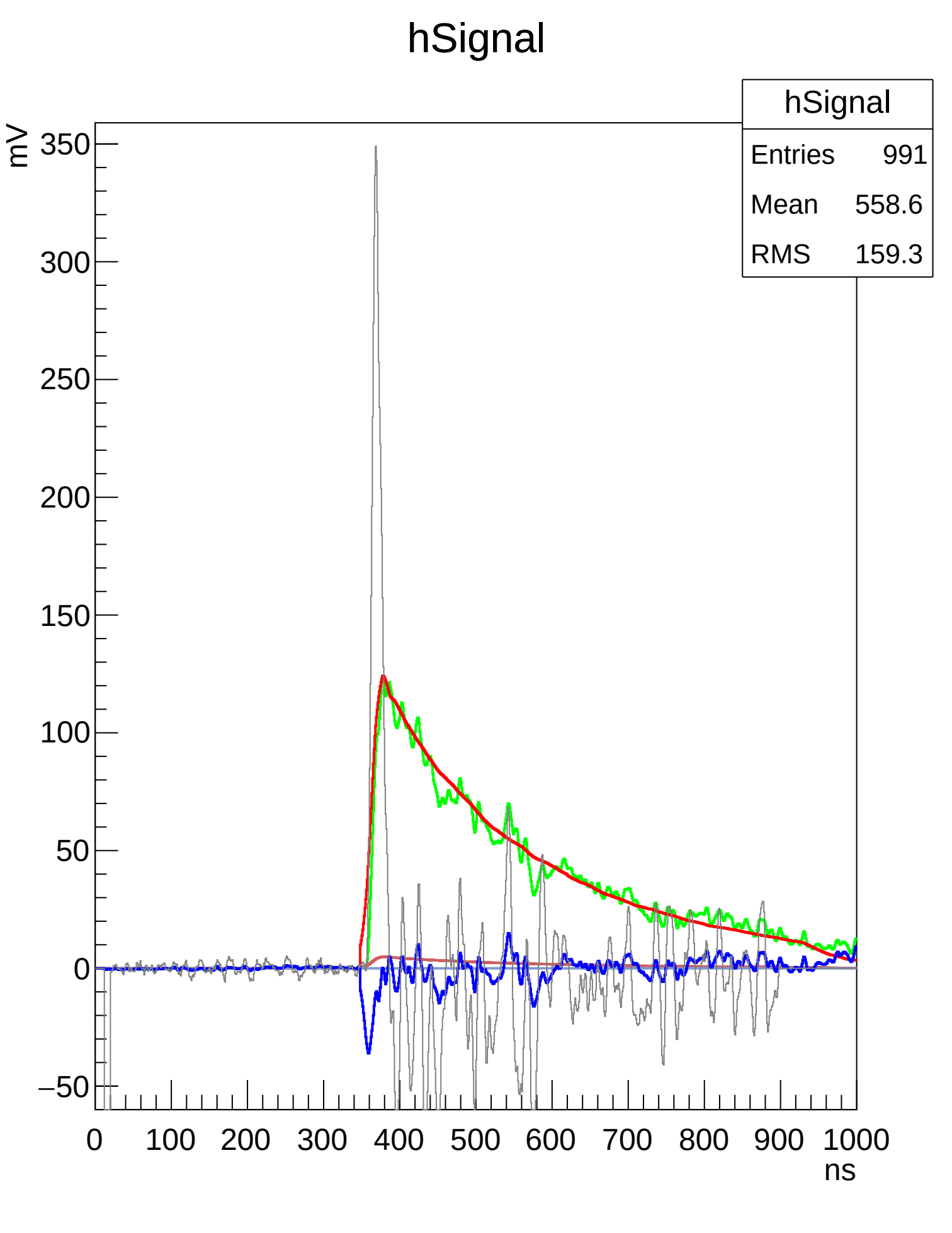

hSignal
hSignal
Entries 991
Mean 545.8
RMS 163.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

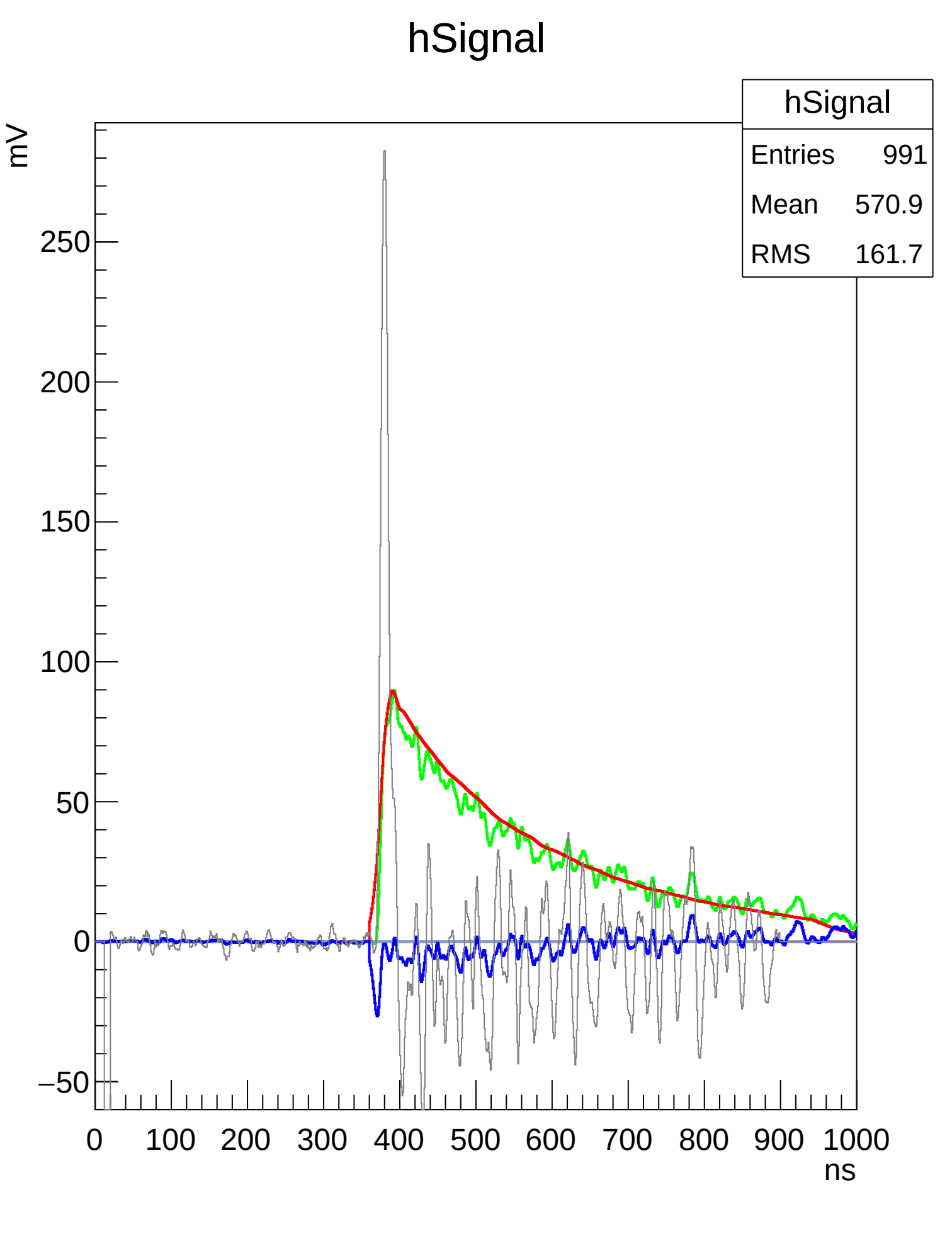

hSignal
hSignal
Entries 991
Mean 549.2
RMS 165.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

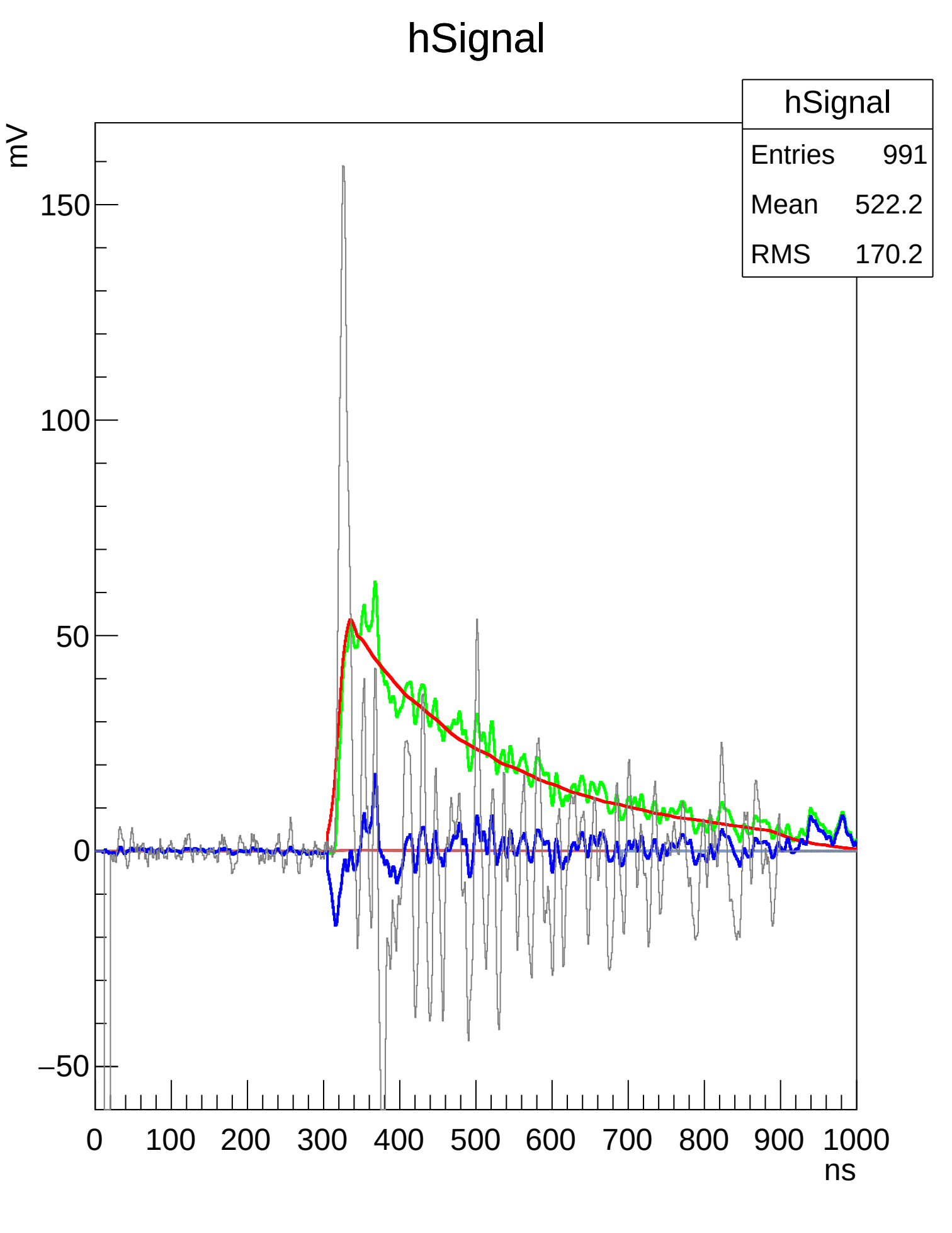

hSignal
hSignal
Entries 991
Mean 562.9
RMS 163.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

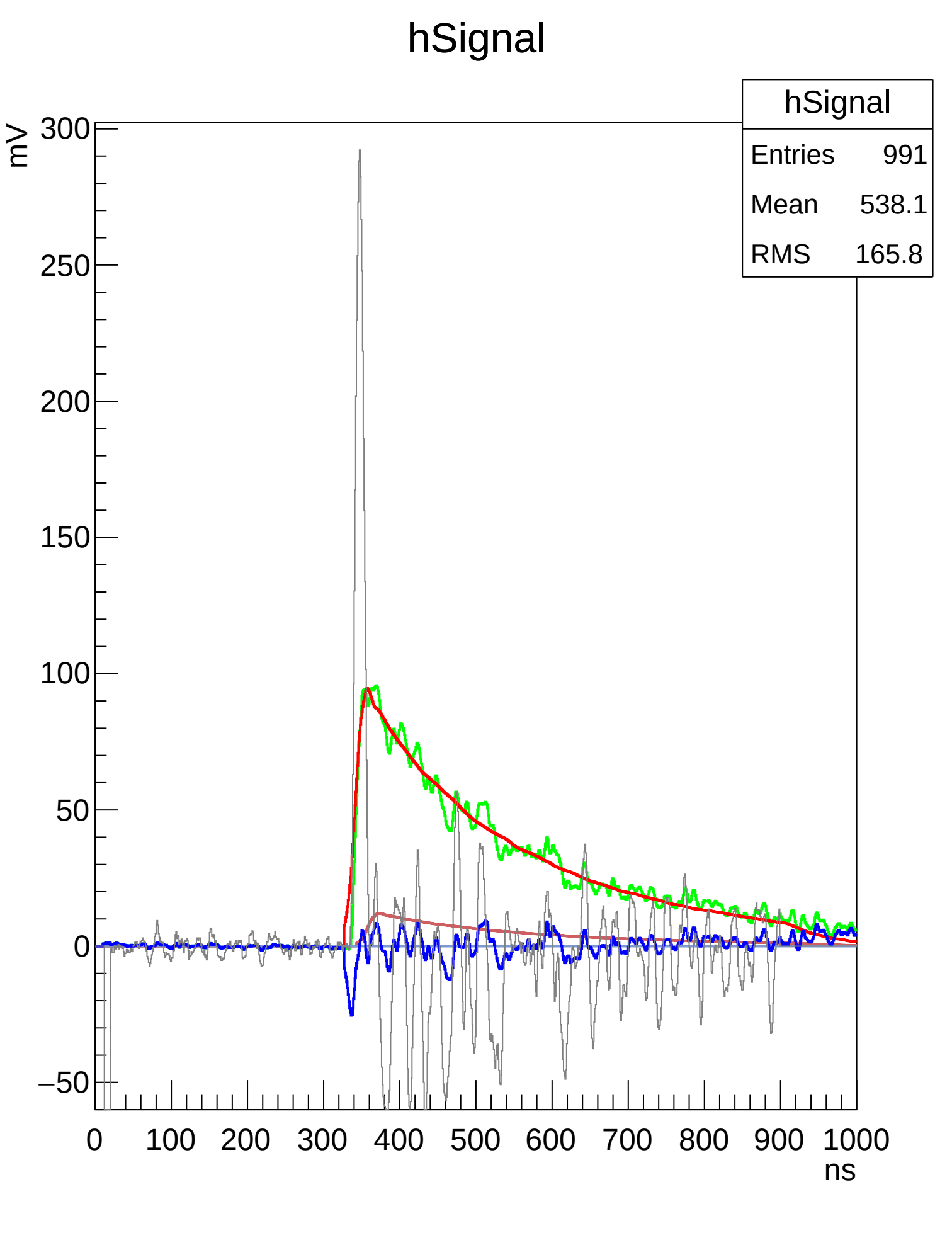

hSignal
hSignal
Entries 991
Mean 516.4
RMS 168.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

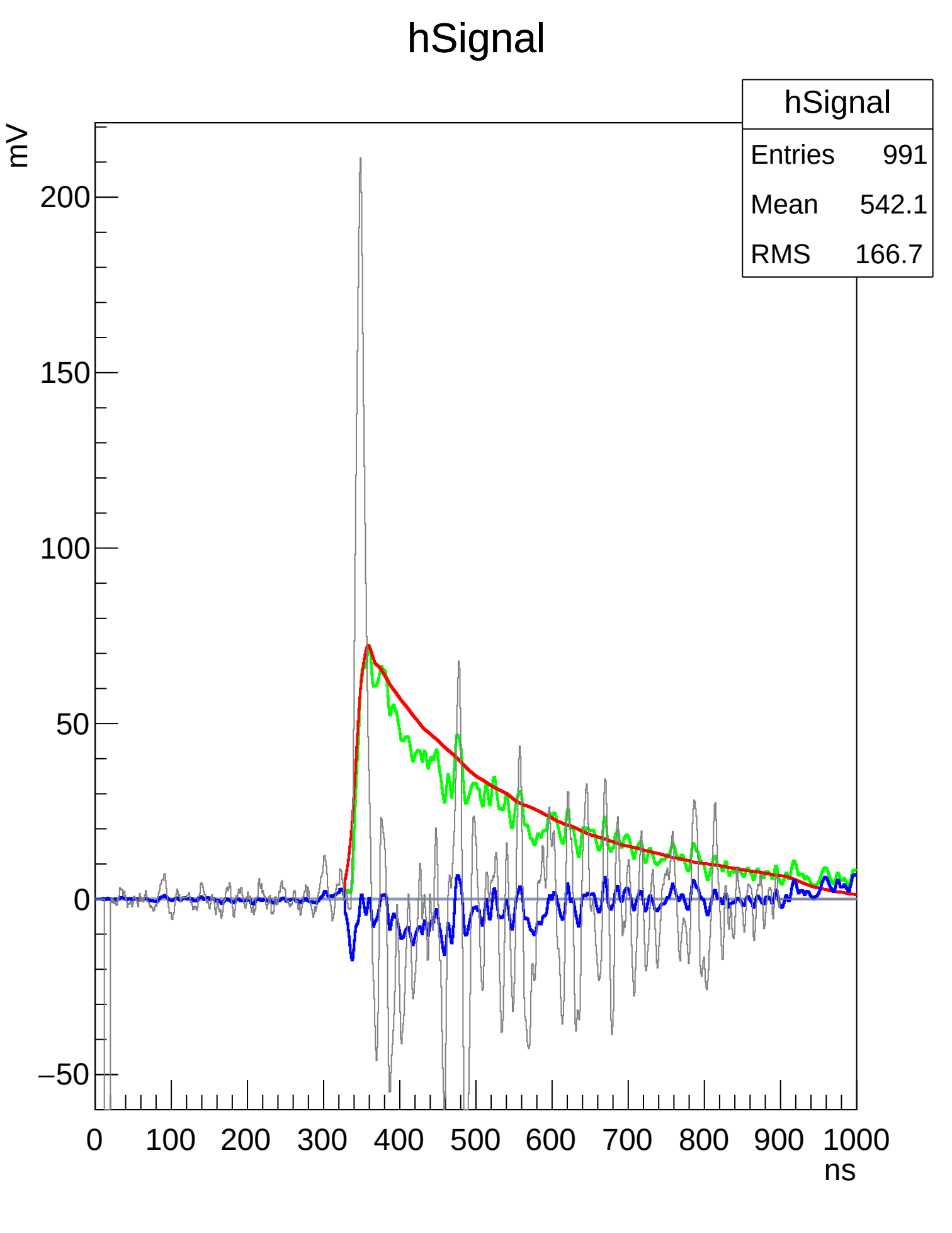

hSignal
hSignal
Entries 991
Mean 536.8
RMS 169.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

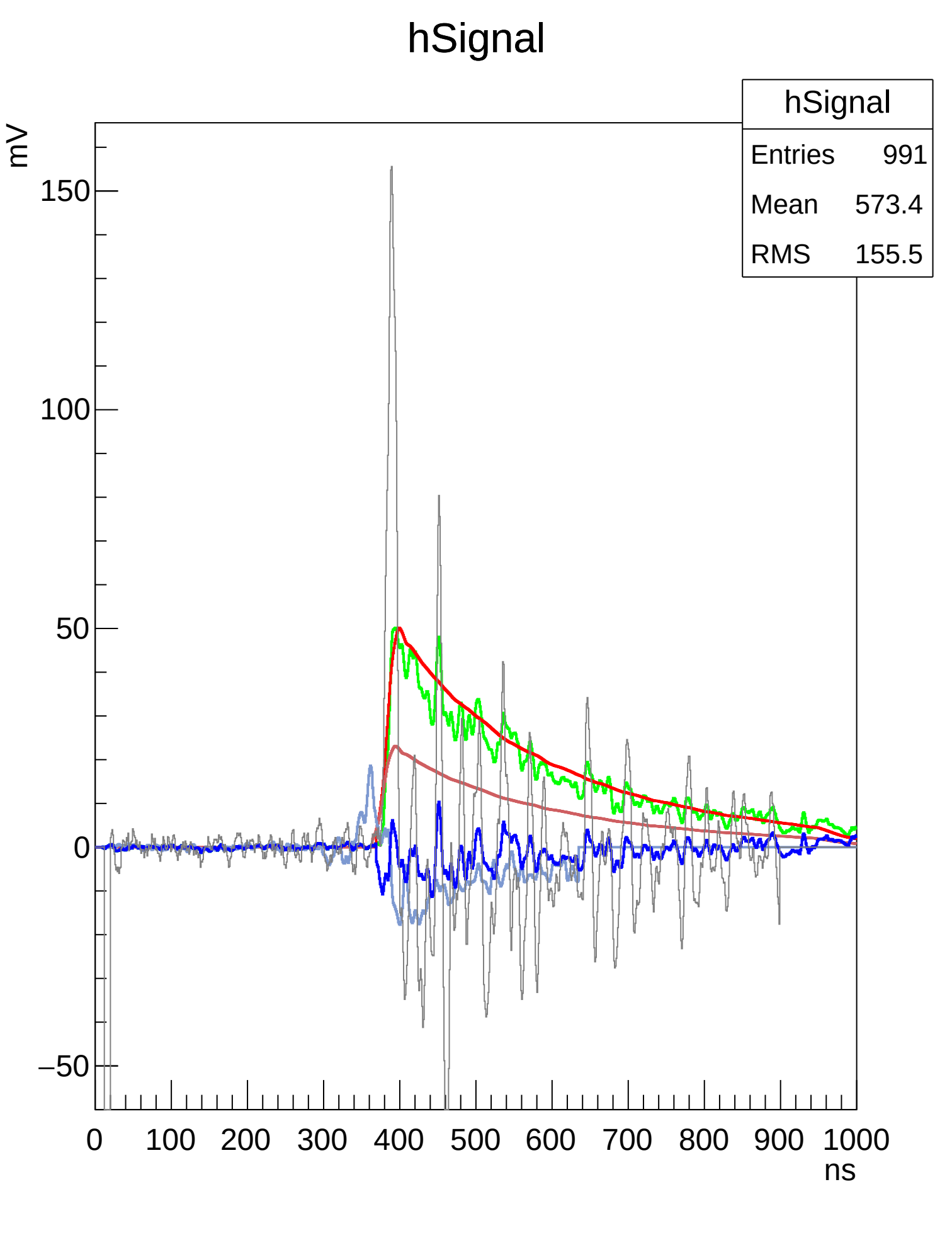

hSignal
hSignal
Entries 991
Mean 558.6
RMS 159.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

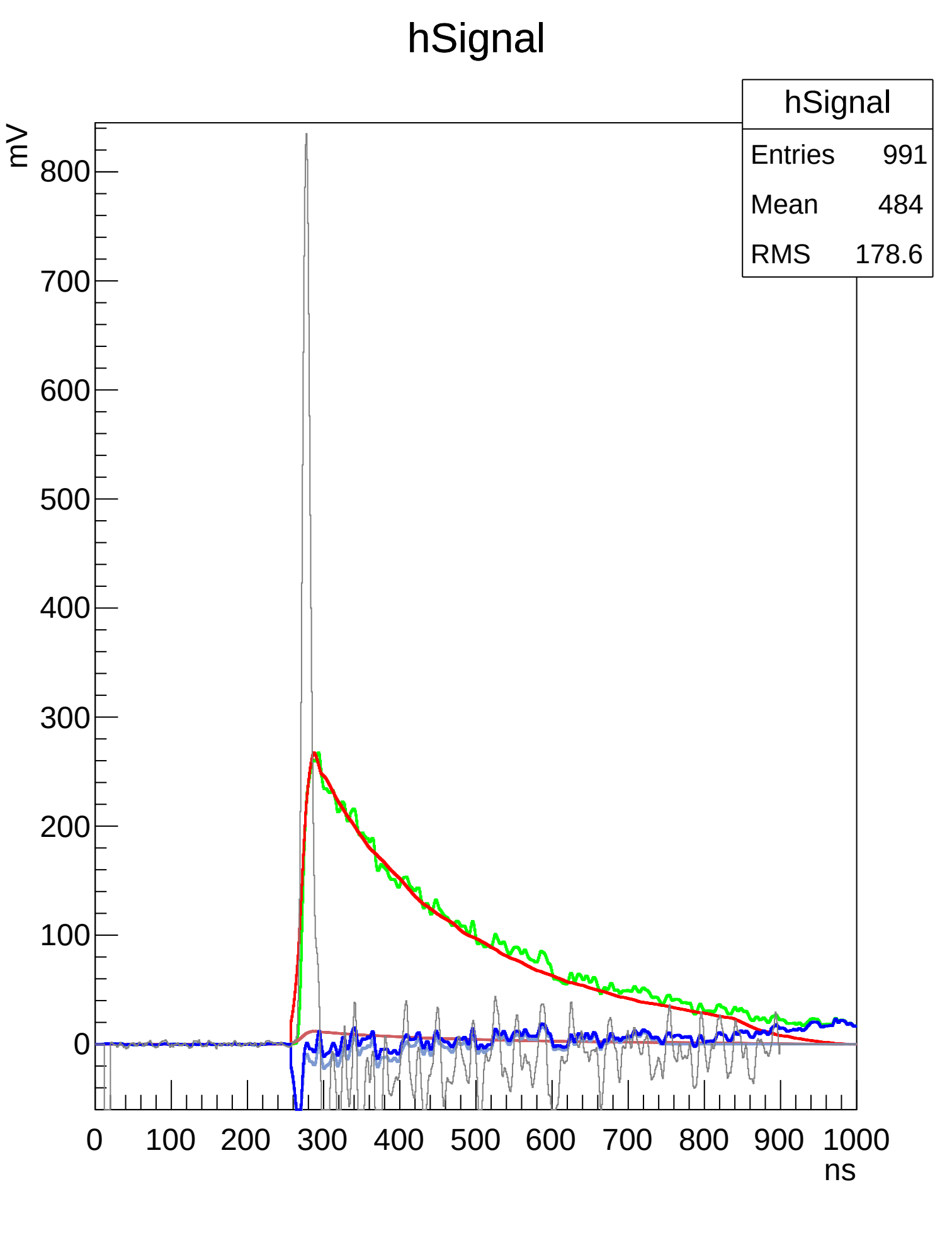

hSignal
hSignal
Entries 991
Mean 570.9
RMS 161.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

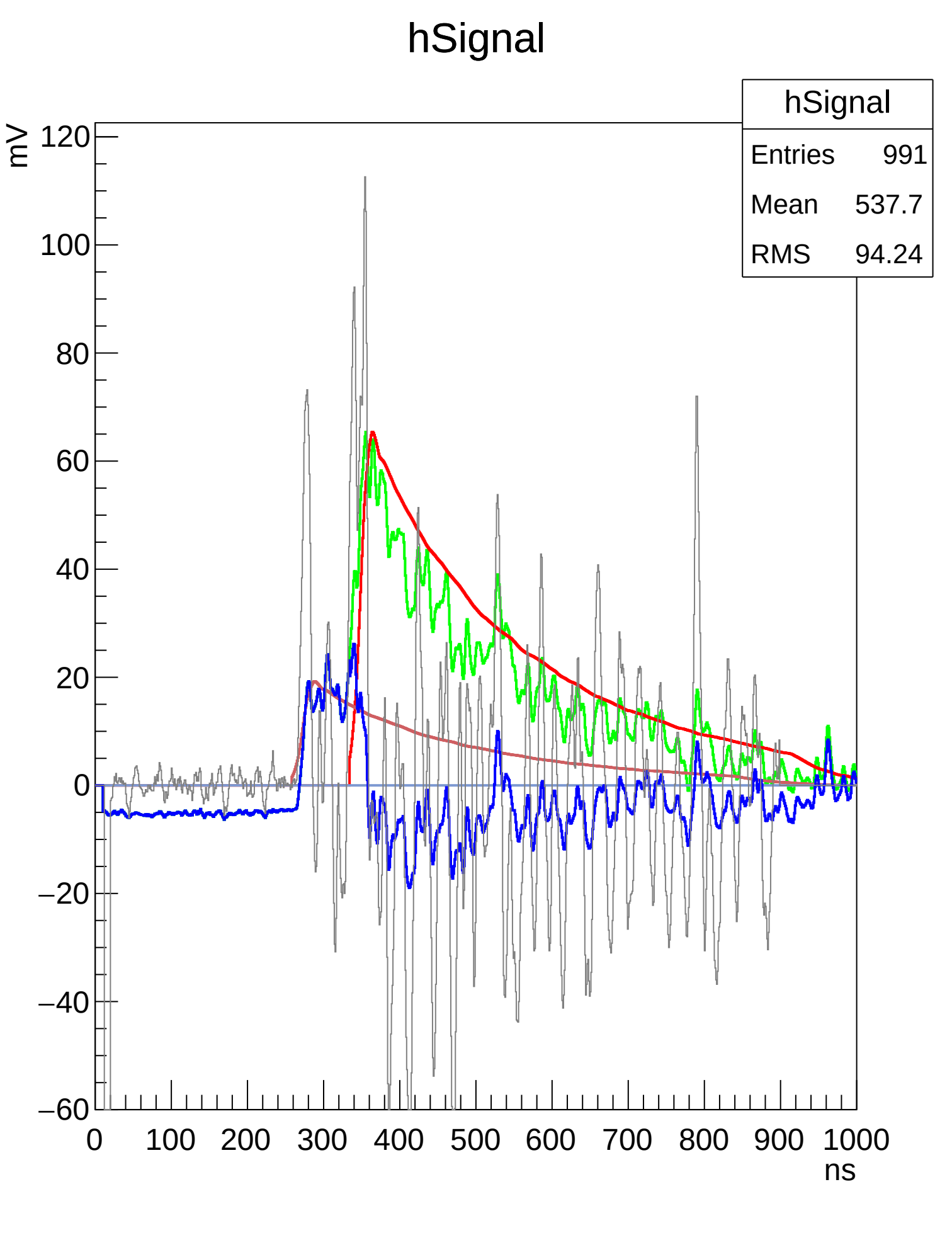

hSignal
hSignal
Entries 991
Mean 522.2
RMS 170.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

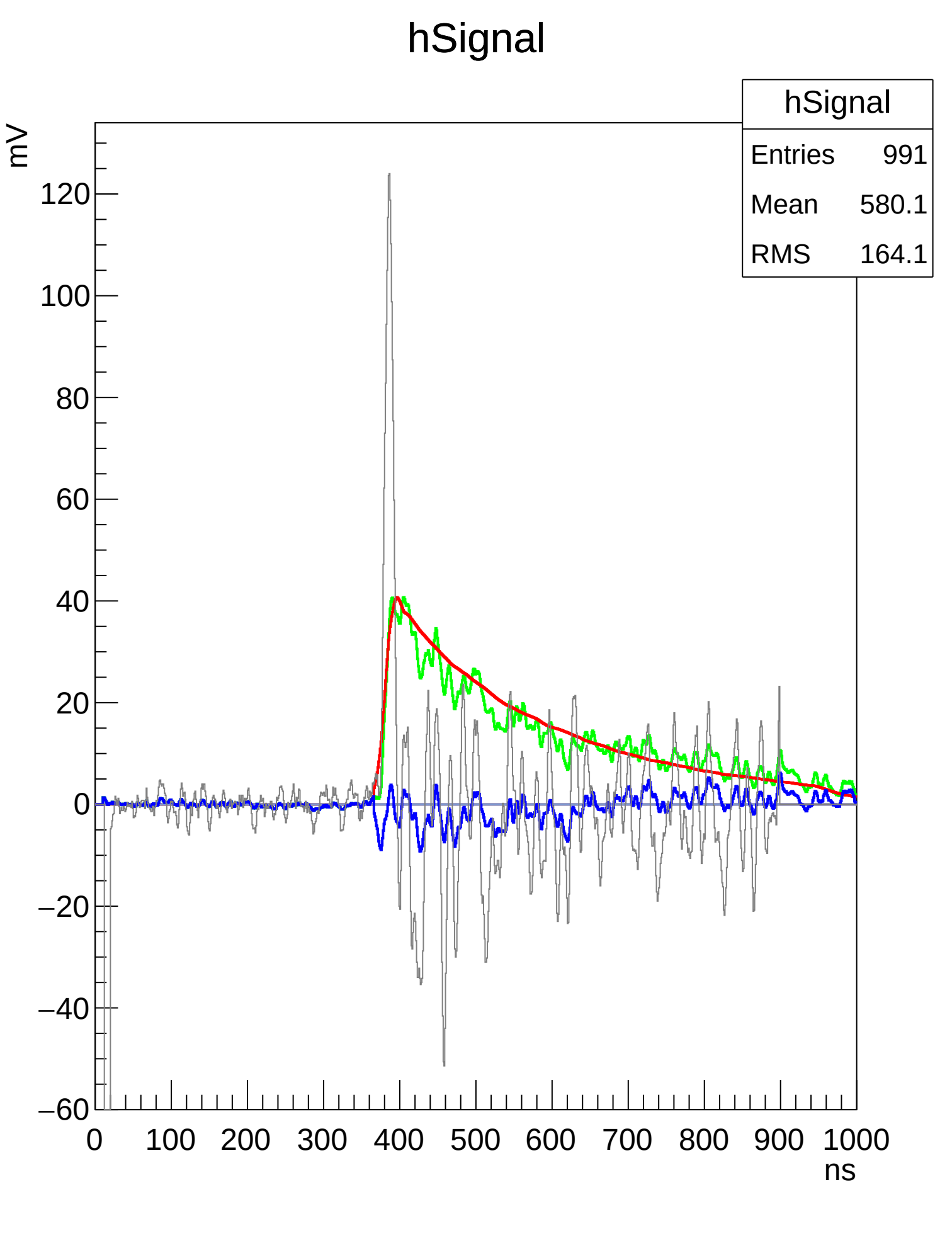

hSignal
hSignal
Entries 991
Mean 538.1
RMS 165.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

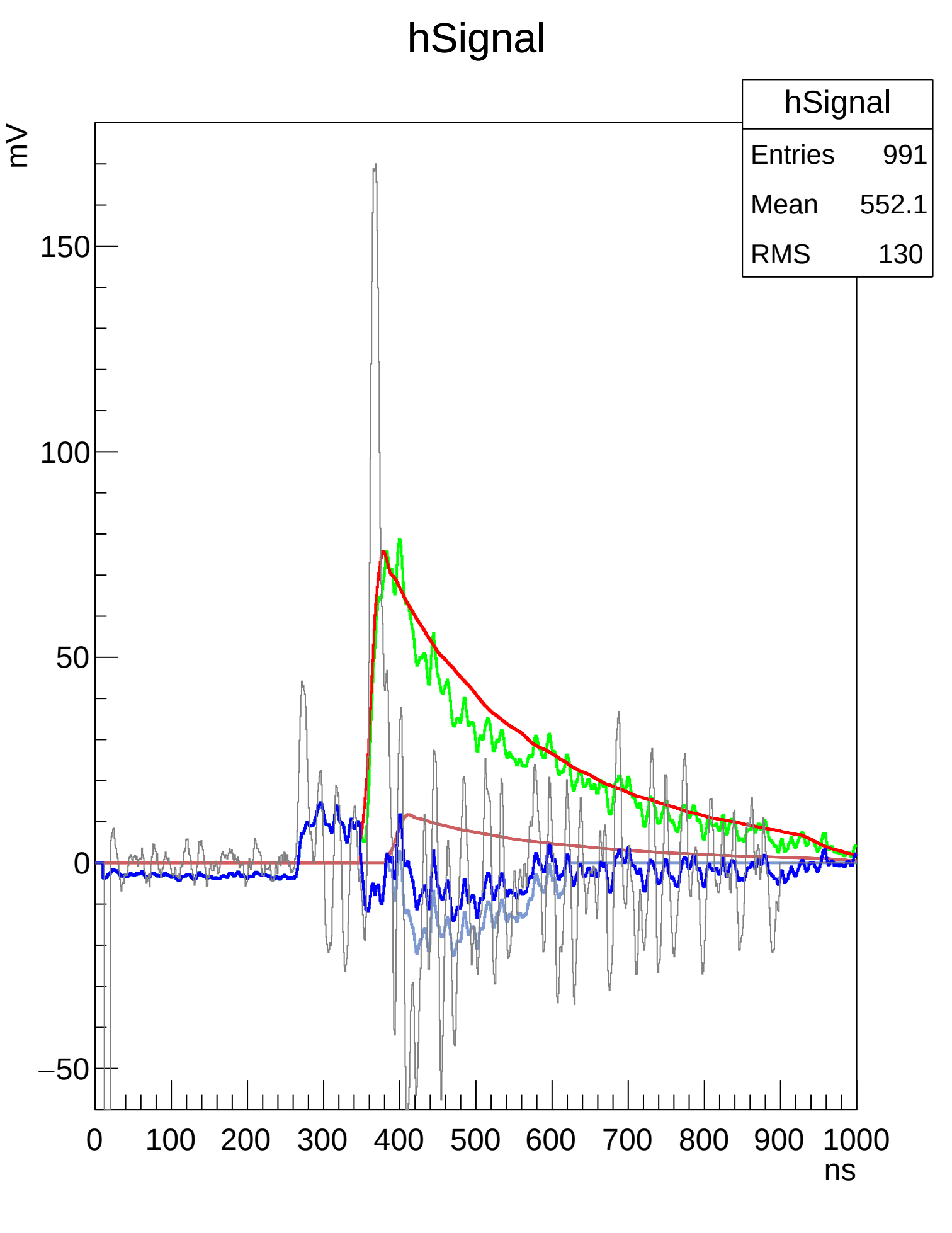

hSignal
hSignal
Entries 991
Mean 542.1
RMS 166.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

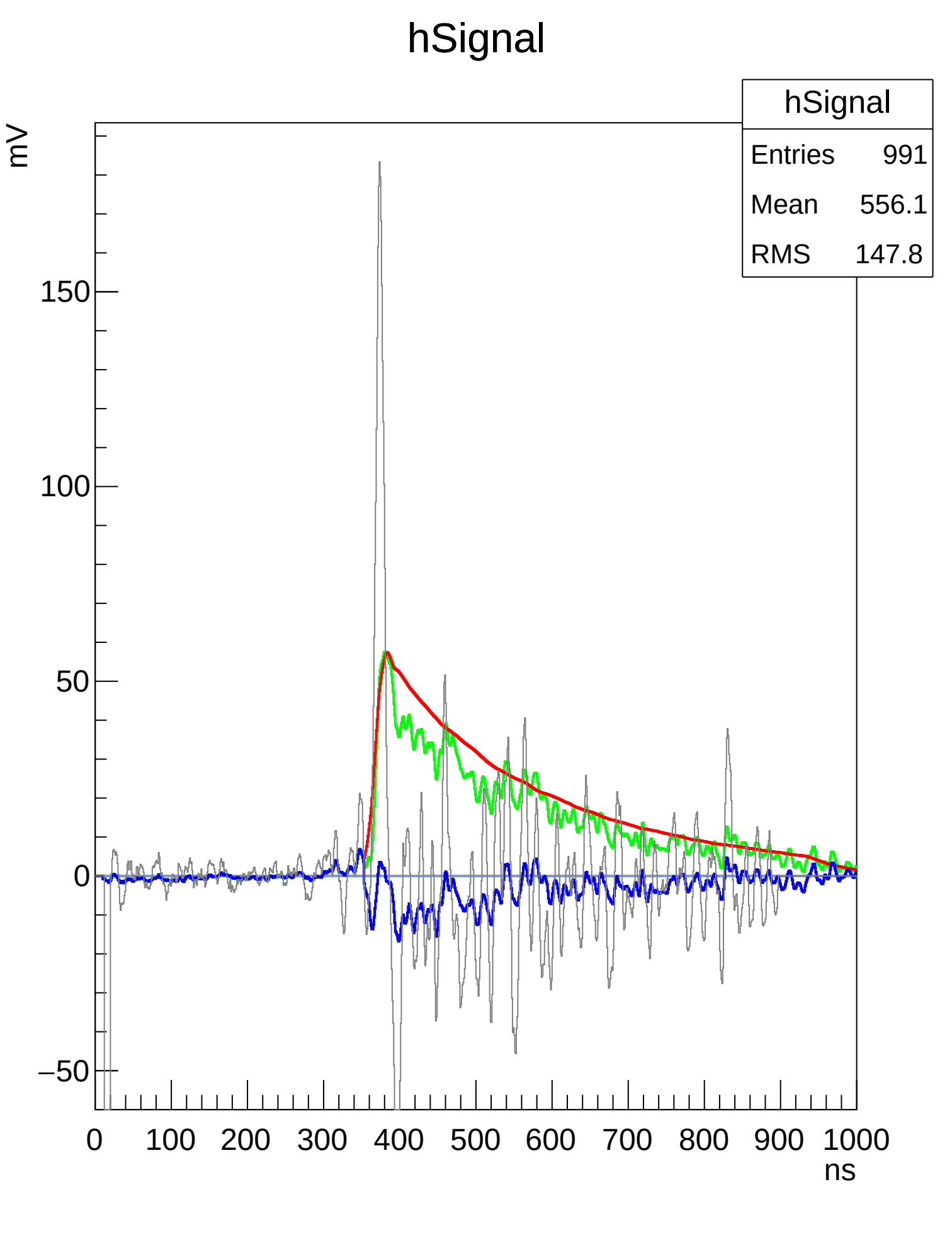

hSignal
hSignal
Entries 991
Mean 573.4
RMS 155.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

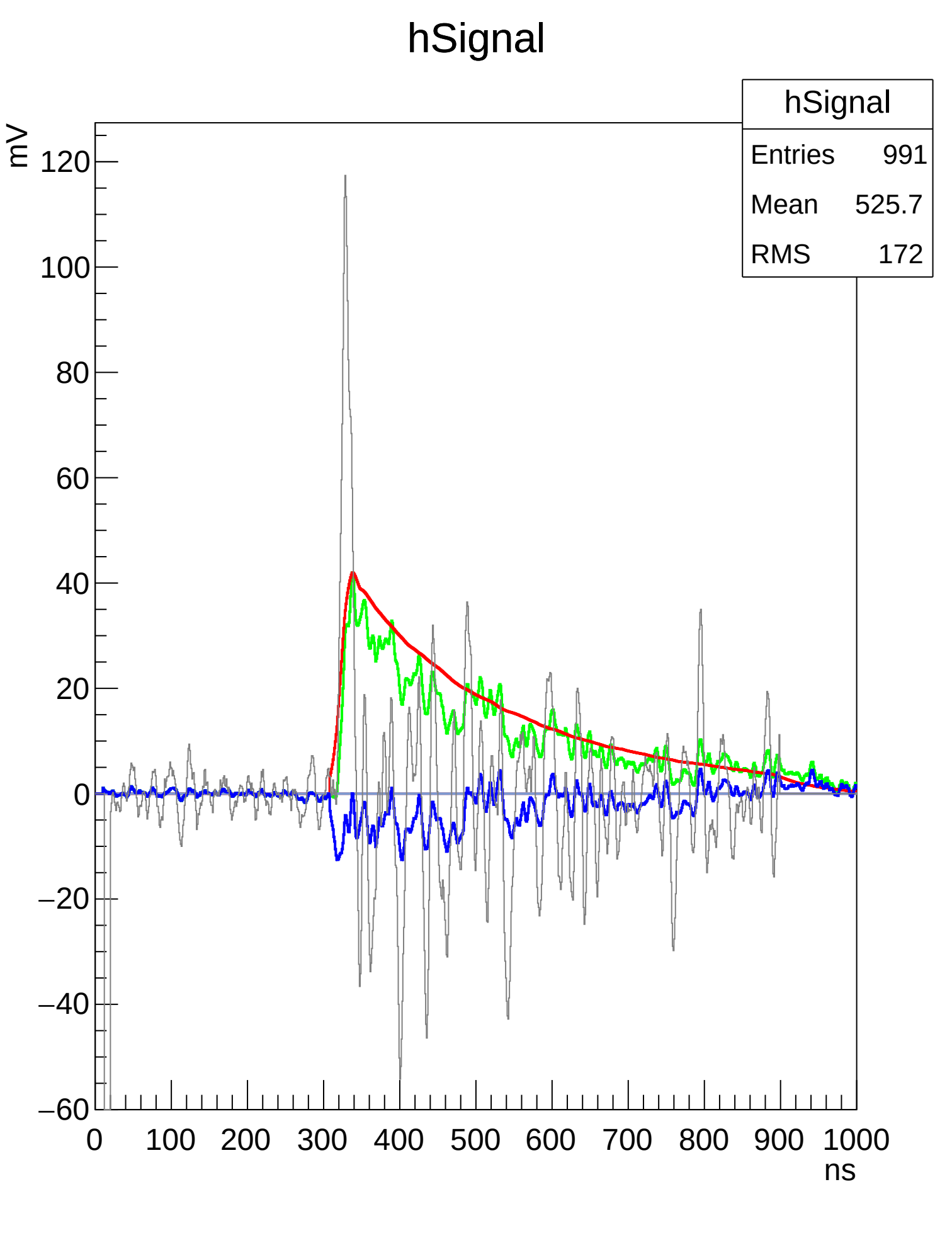

hSignal
hSignal
Entries 991
Mean 484
RMS 178.6
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

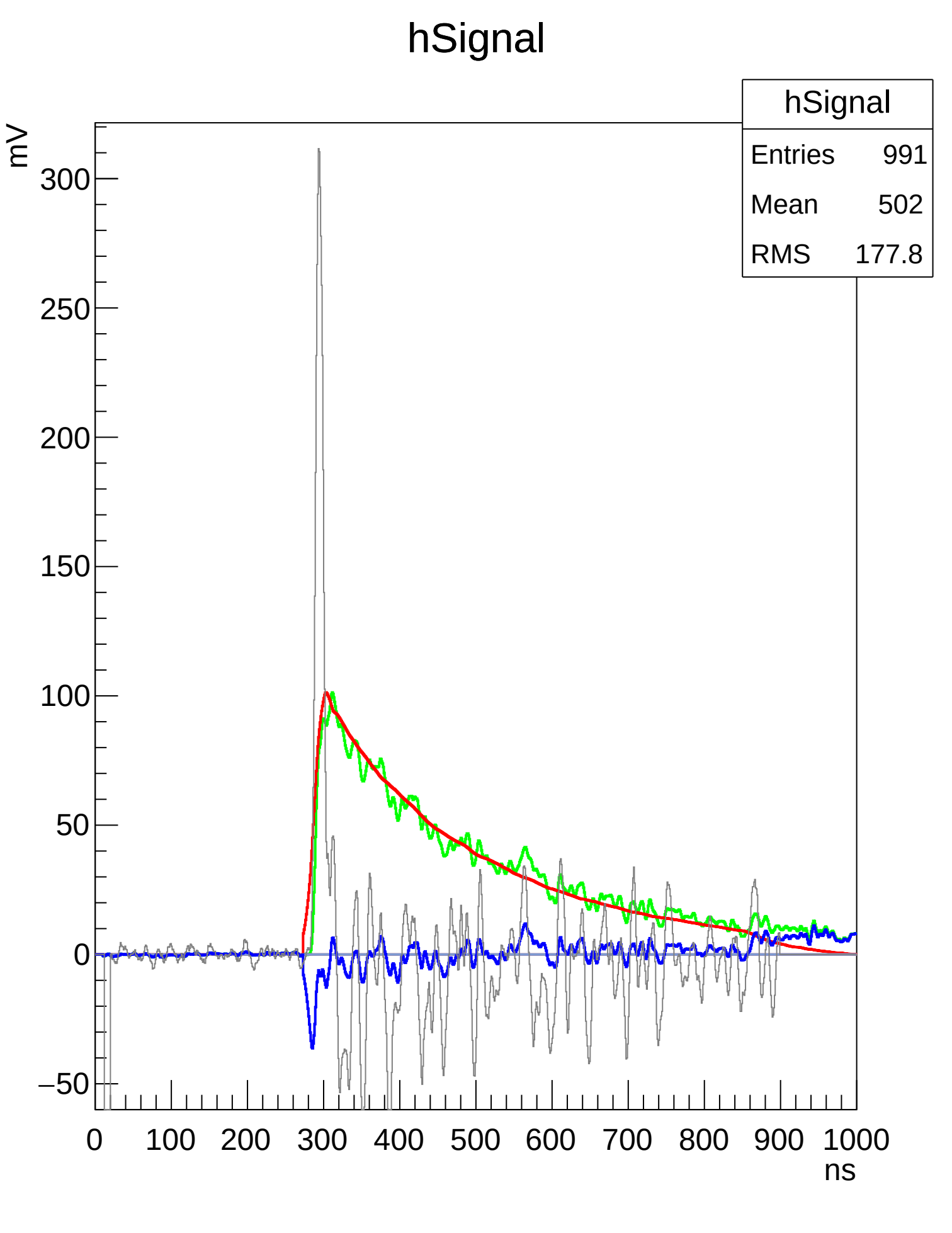

hSignal
hSignal
Entries 991
Mean 537.7
RMS 94.24
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

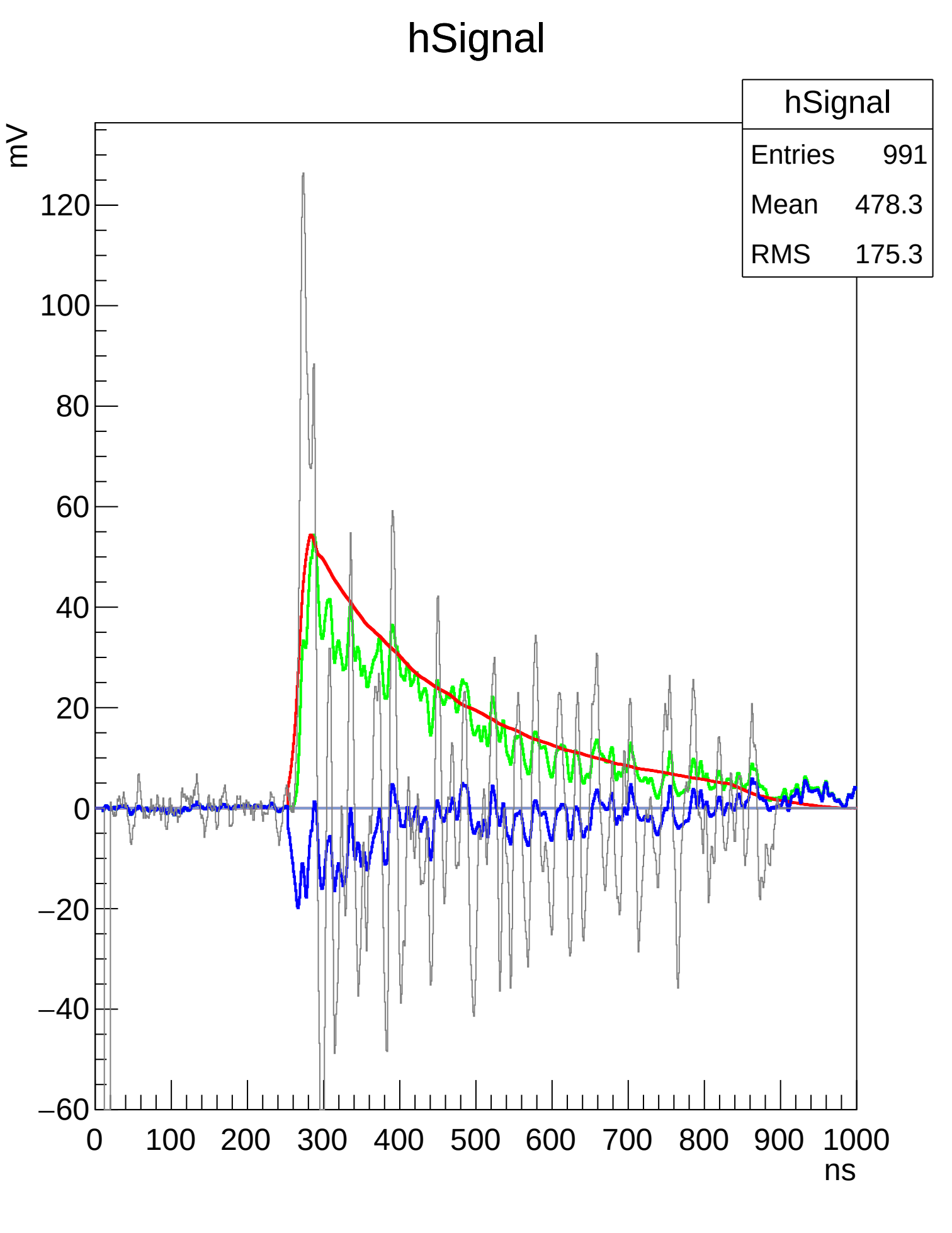

hSignal
hSignal
Entries 991
Mean 580.1
RMS 164.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

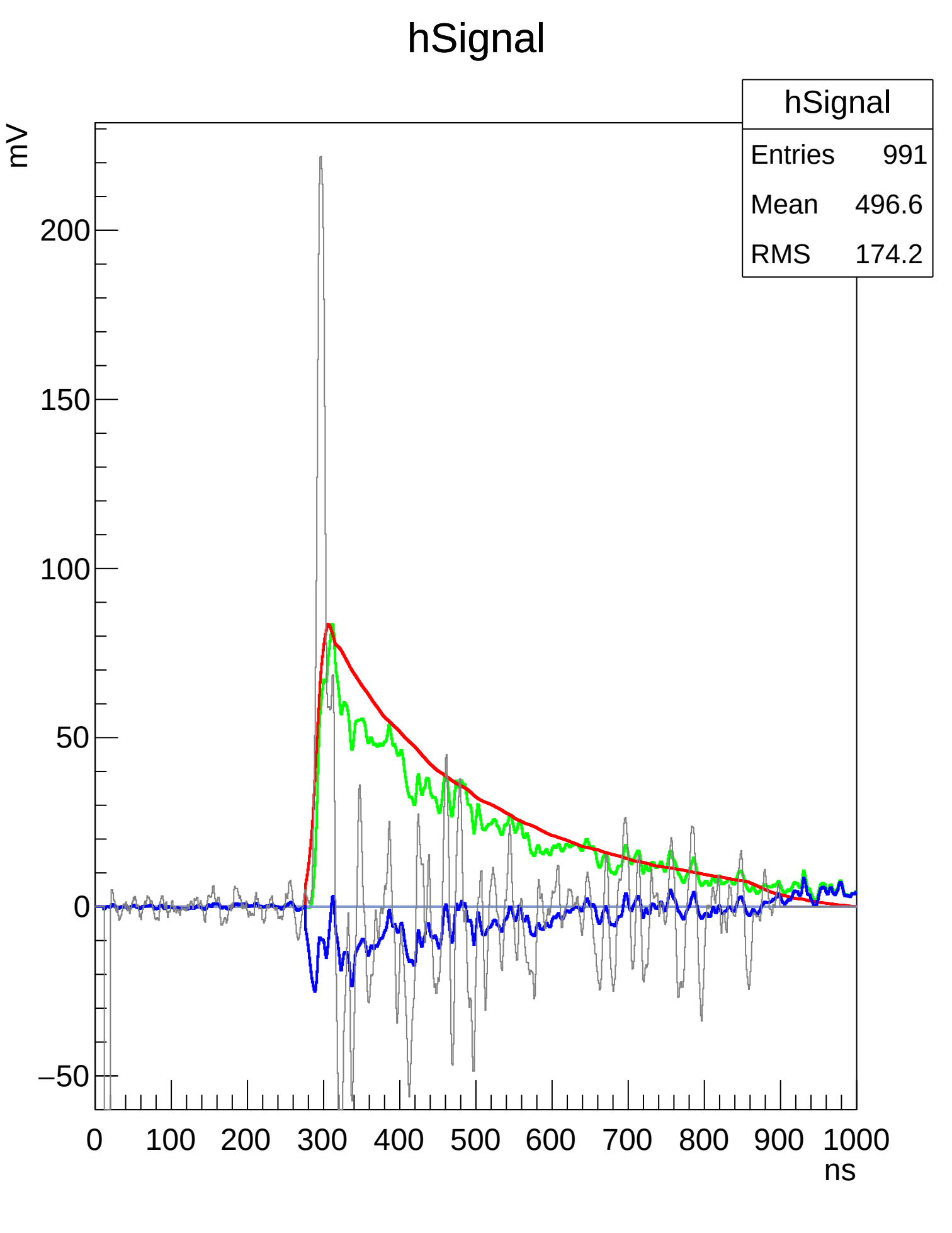

hSignal
hSignal
Entries 991
Mean 552.1
RMS 130
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

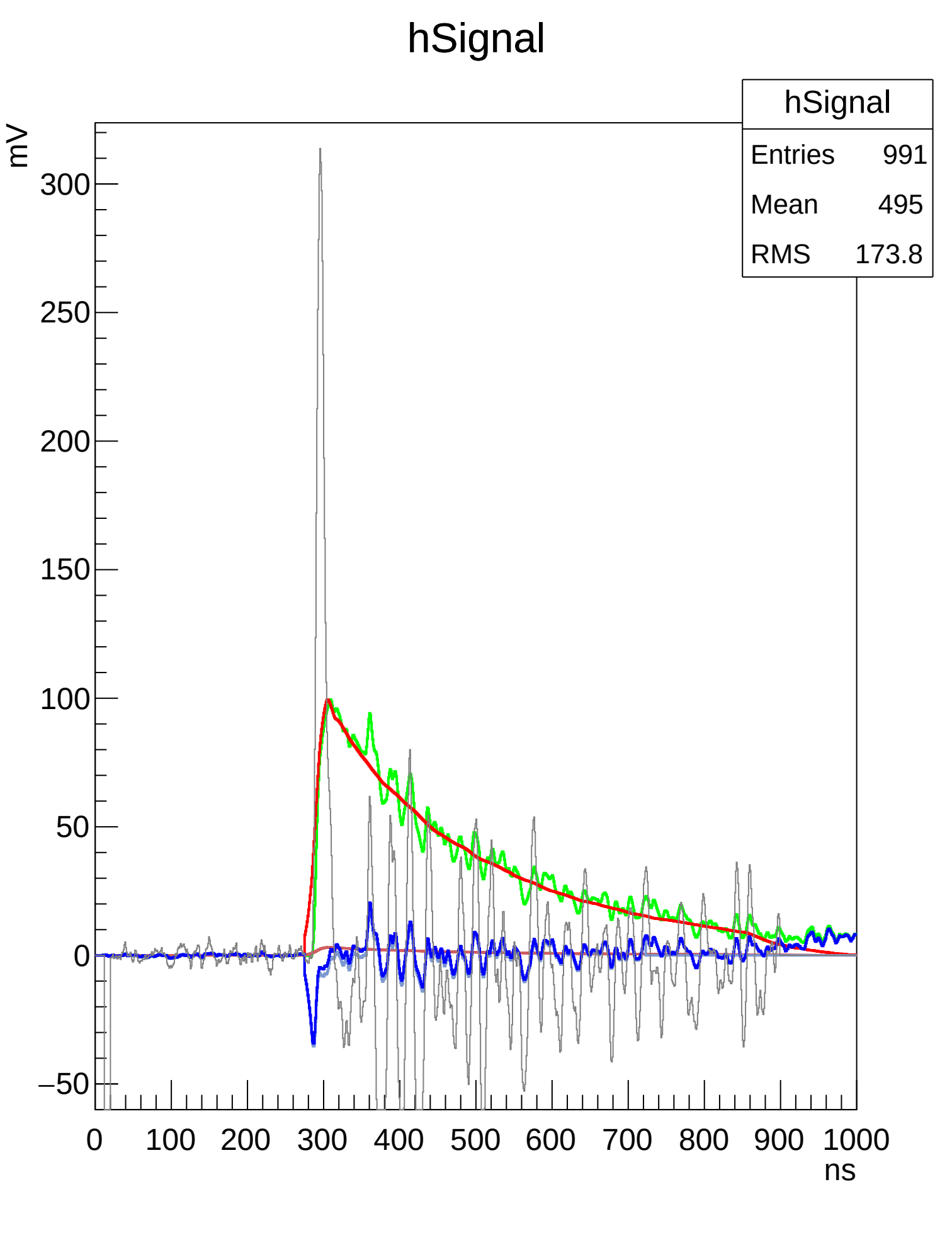

hSignal
hSignal
Entries 991
Mean 556.1
RMS 147.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

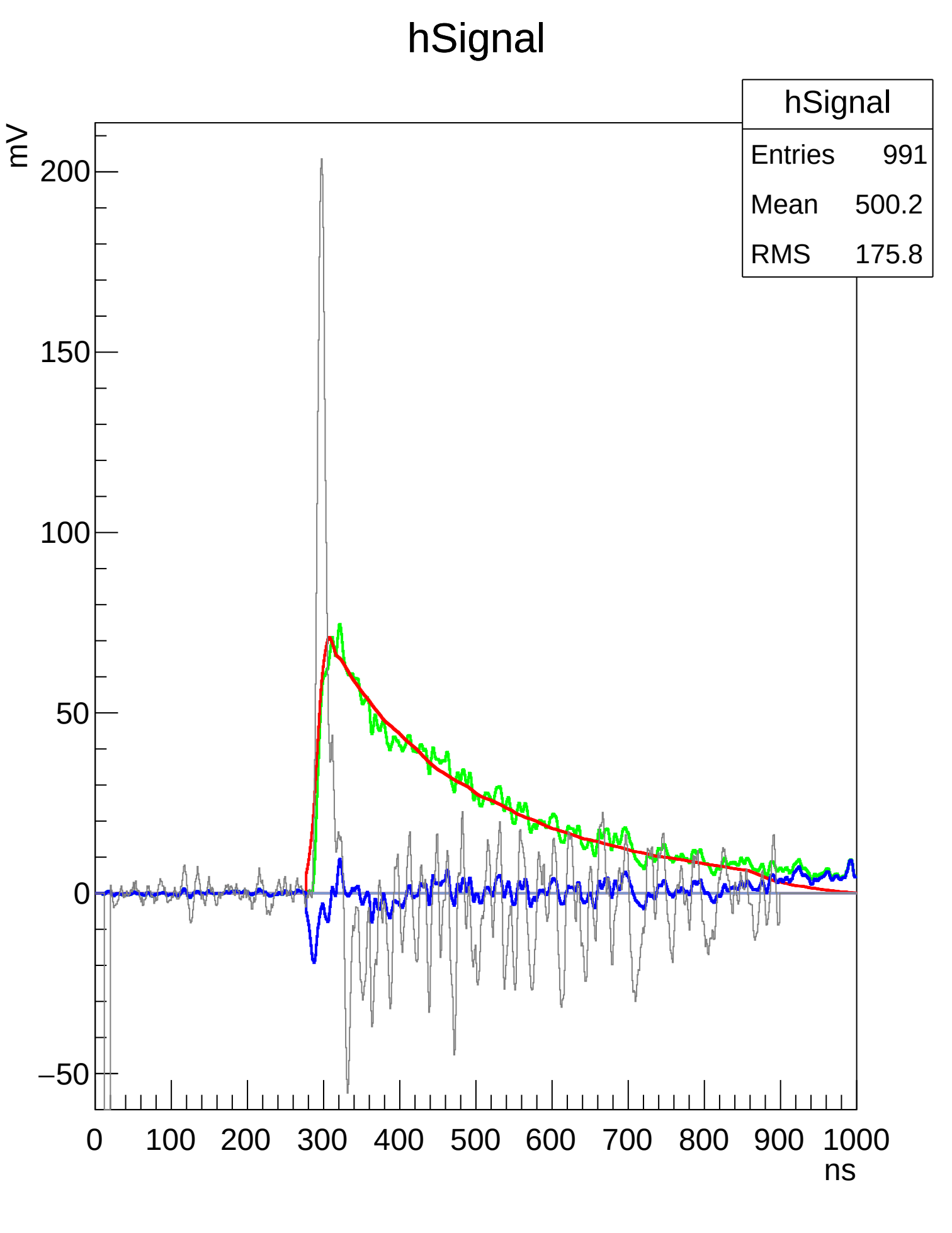

hSignal
hSignal
Entries 991
Mean 525.7
RMS 172
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

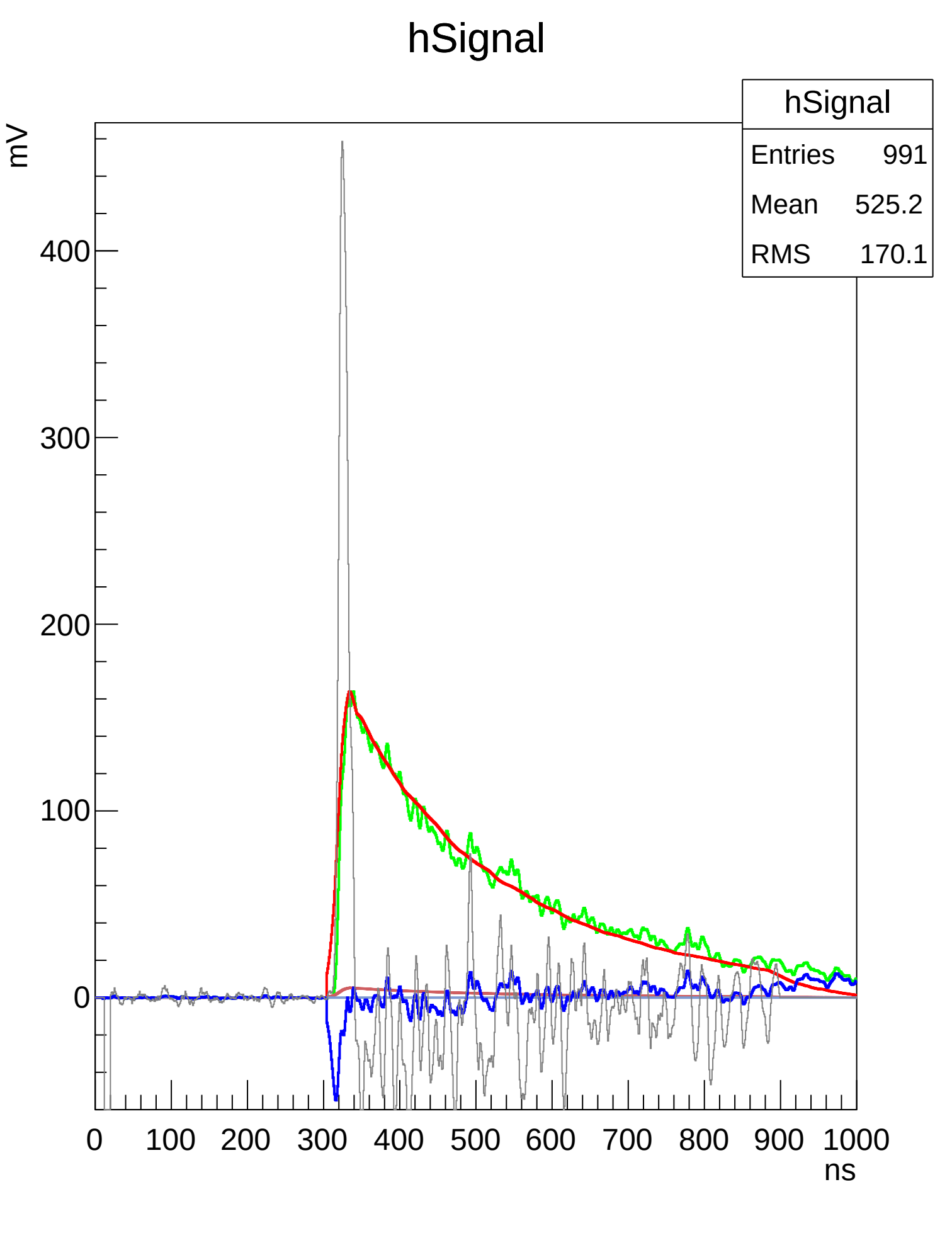

hSignal
hSignal
Entries 991
Mean 502
RMS 177.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

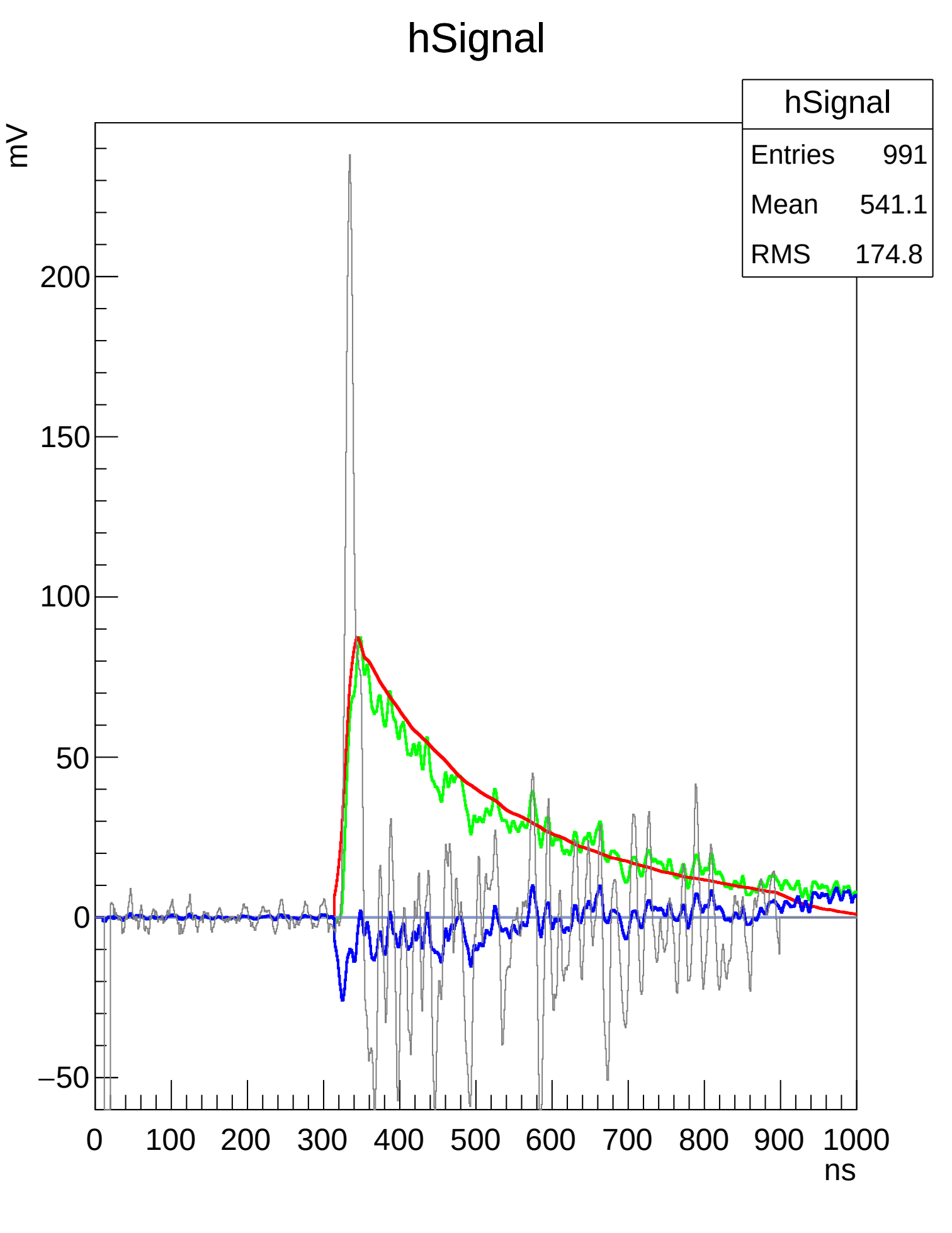

hSignal
hSignal
Entries 991
Mean 478.3
RMS 175.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

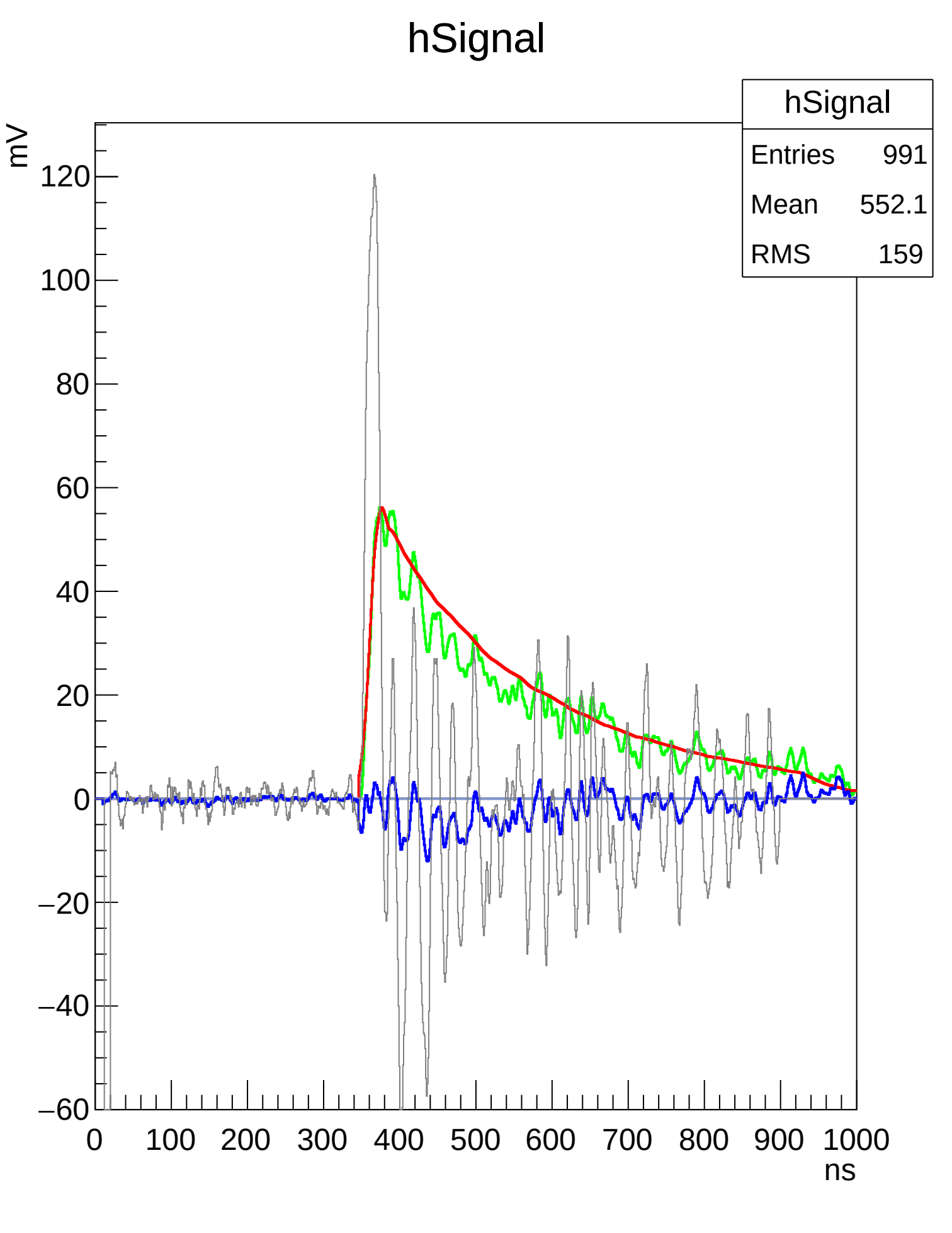

hSignal
hSignal
Entries 991
Mean 496.6
RMS 174.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

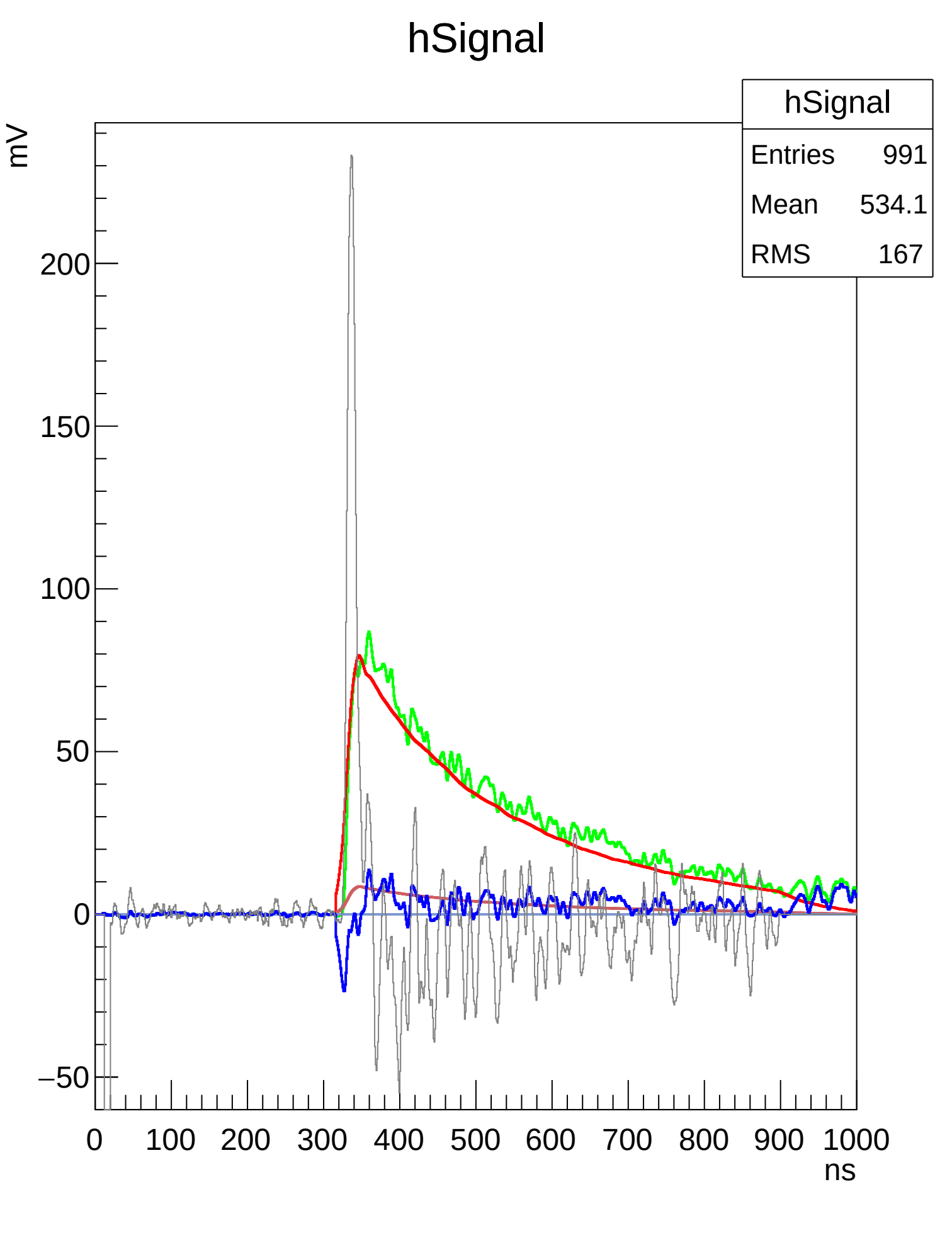

hSignal
hSignal
Entries 991
Mean 495
RMS 173.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

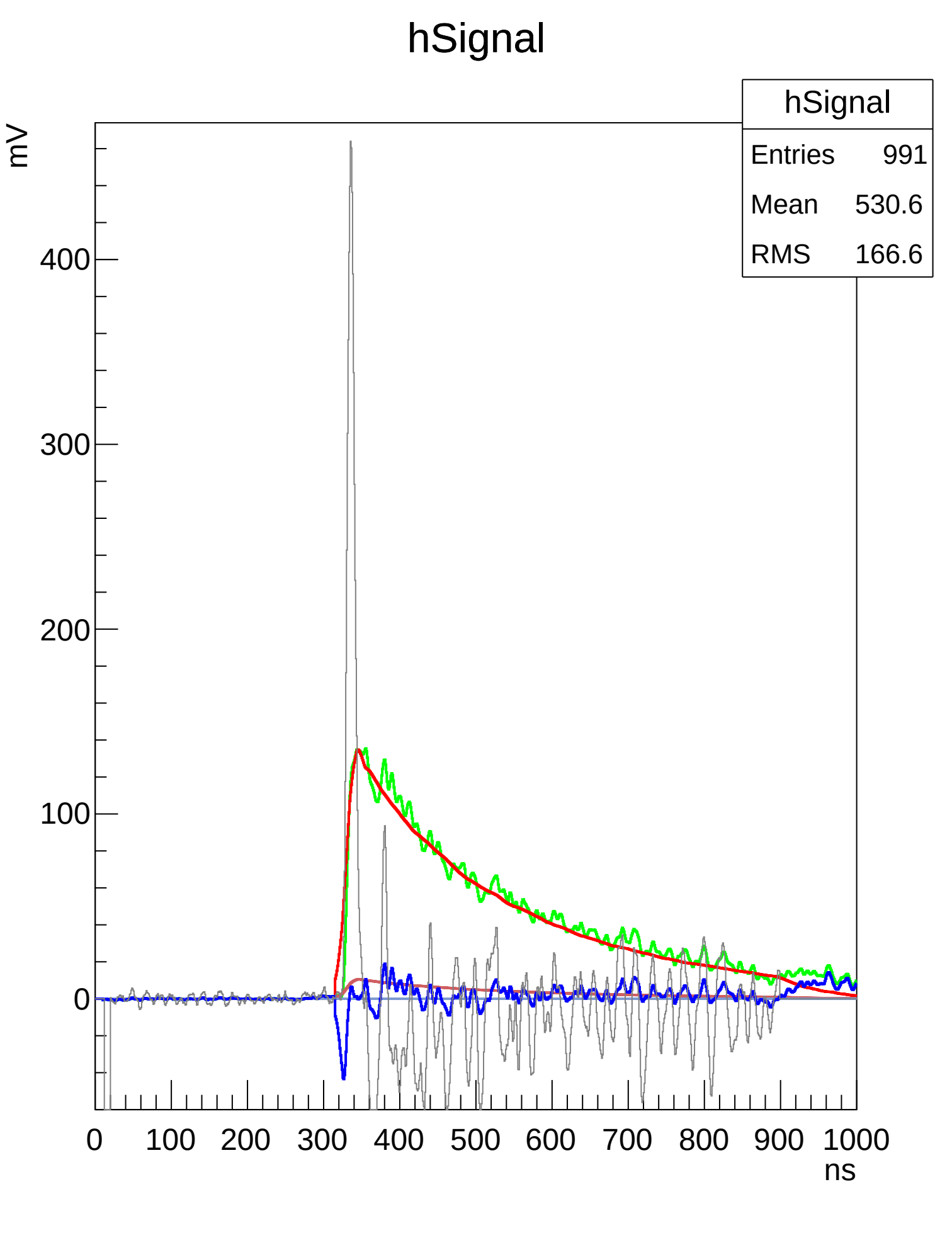

hSignal
hSignal
Entries 991
Mean 500.2
RMS 175.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

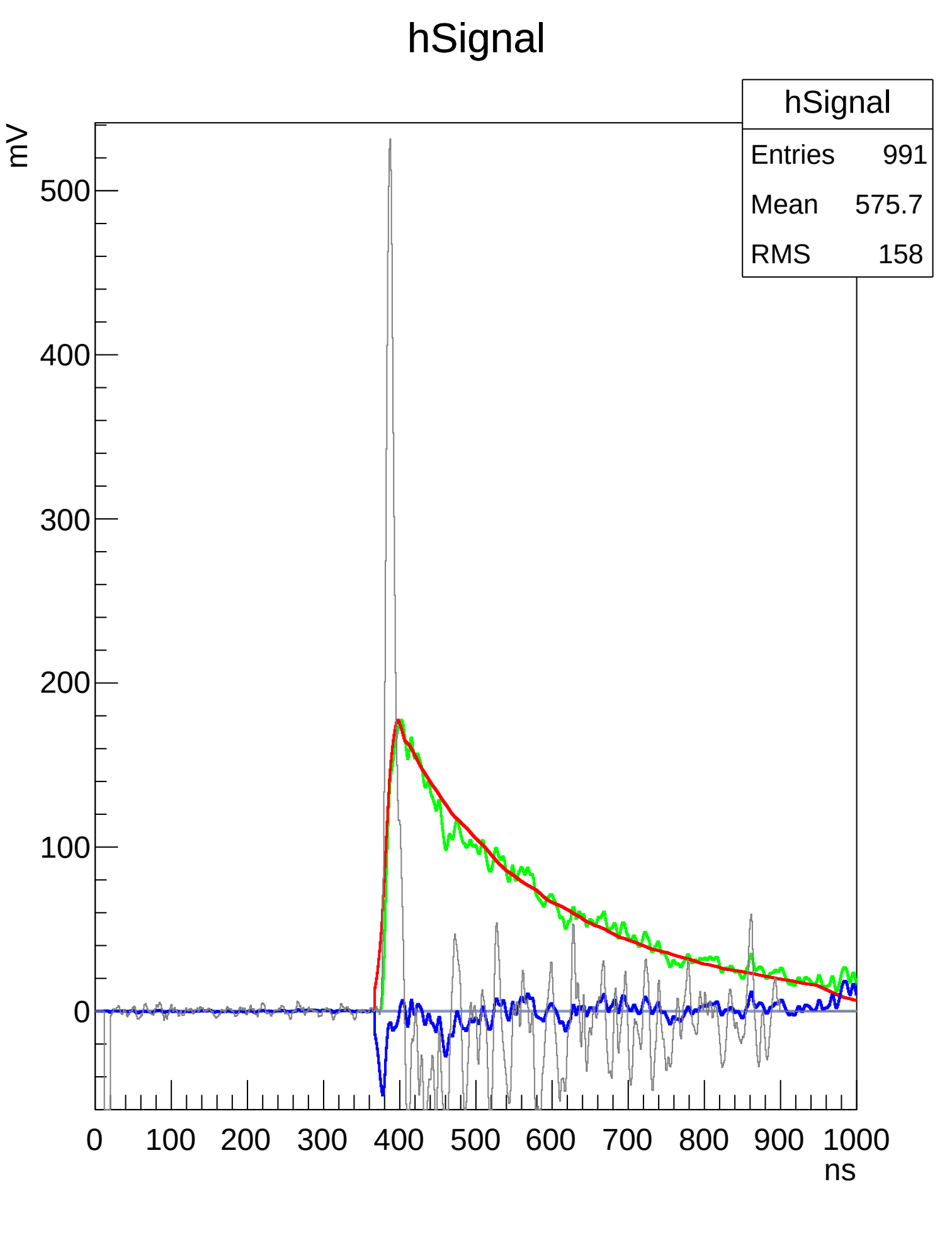

hSignal
hSignal
Entries 991
Mean 525.2
RMS 170.1
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

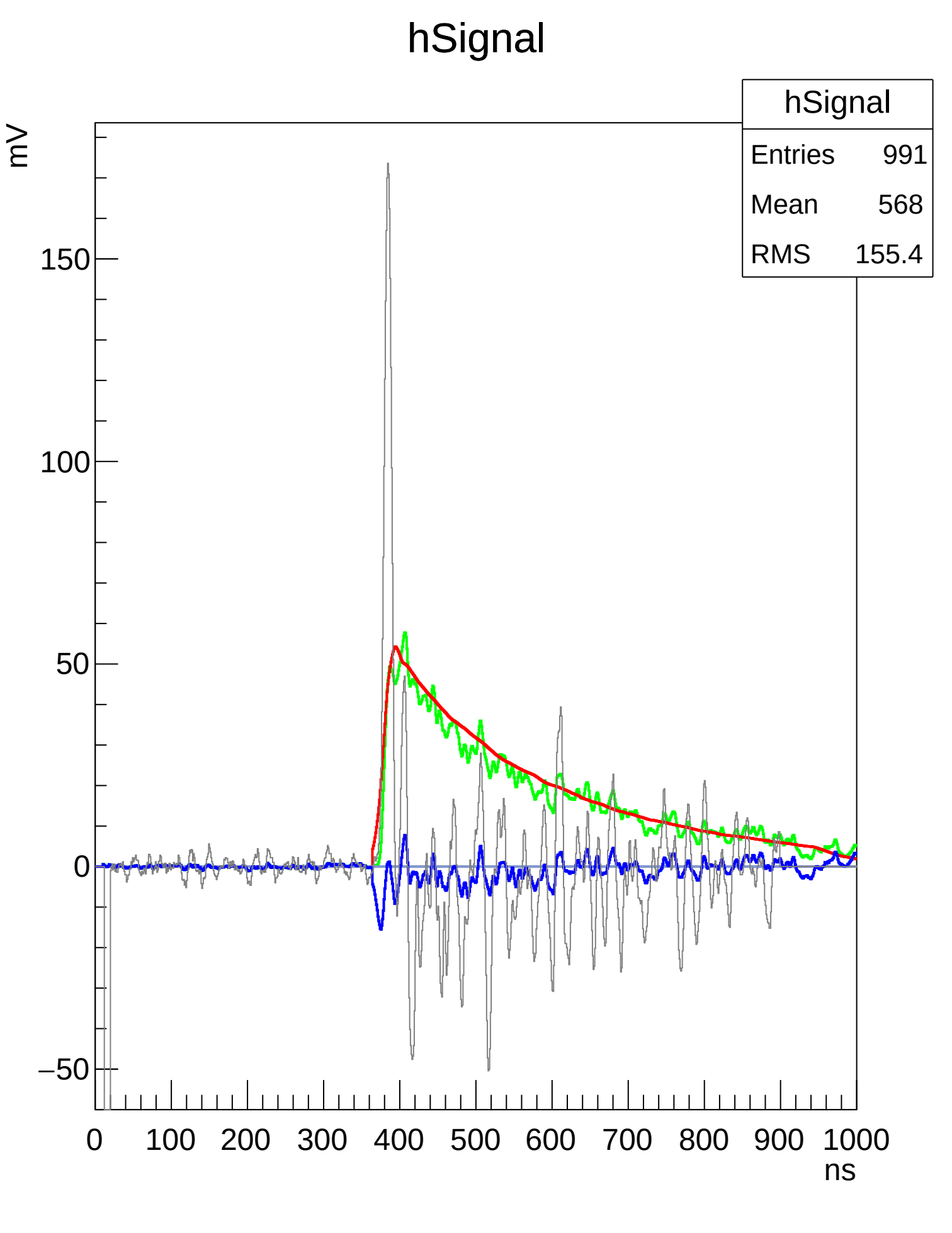

hSignal
hSignal
Entries 991
Mean 541.1
RMS 174.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

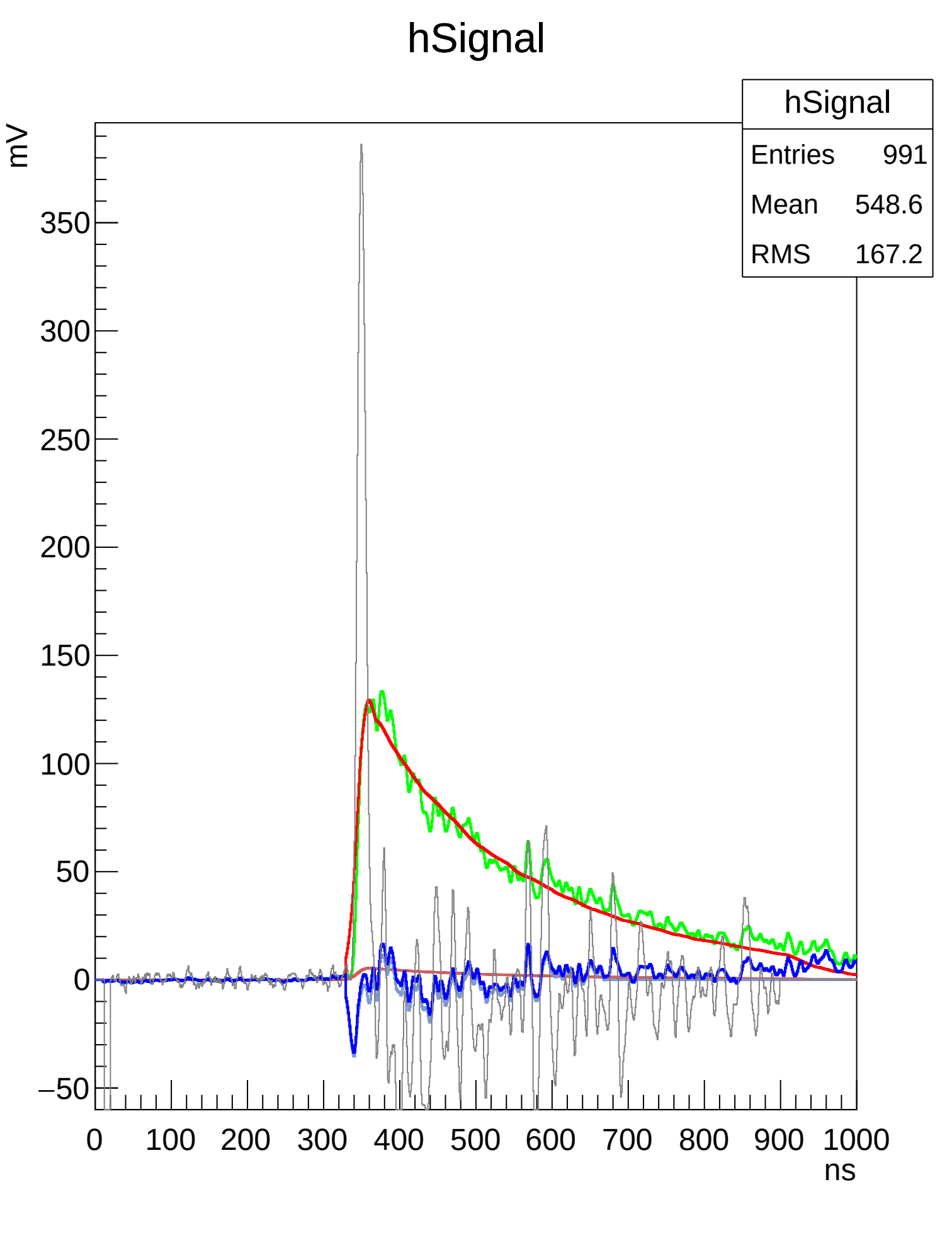

hSignal
hSignal
Entries 991
Mean 552.1
RMS 159
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

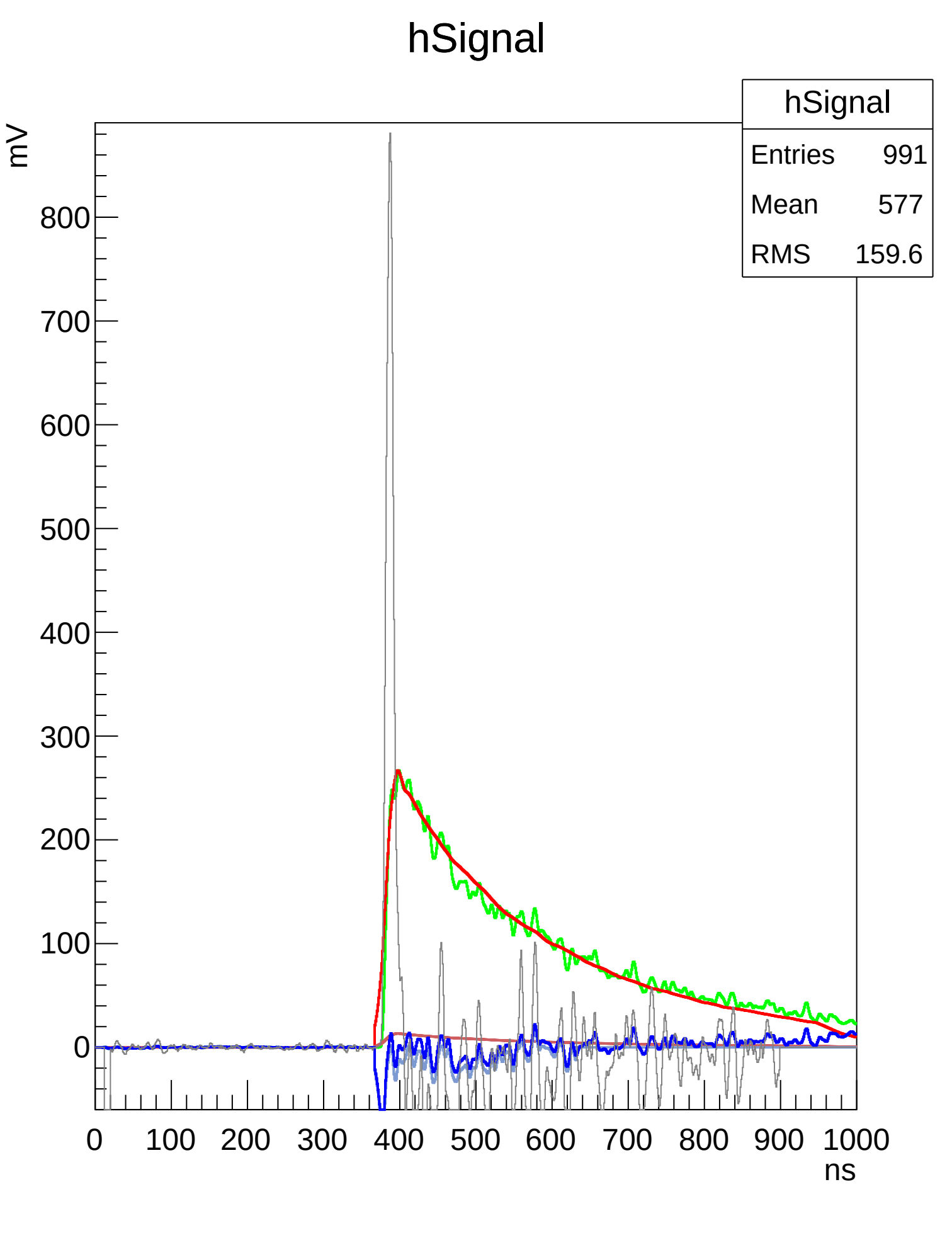

hSignal
hSignal
Entries 991
Mean 534.1
RMS 167
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

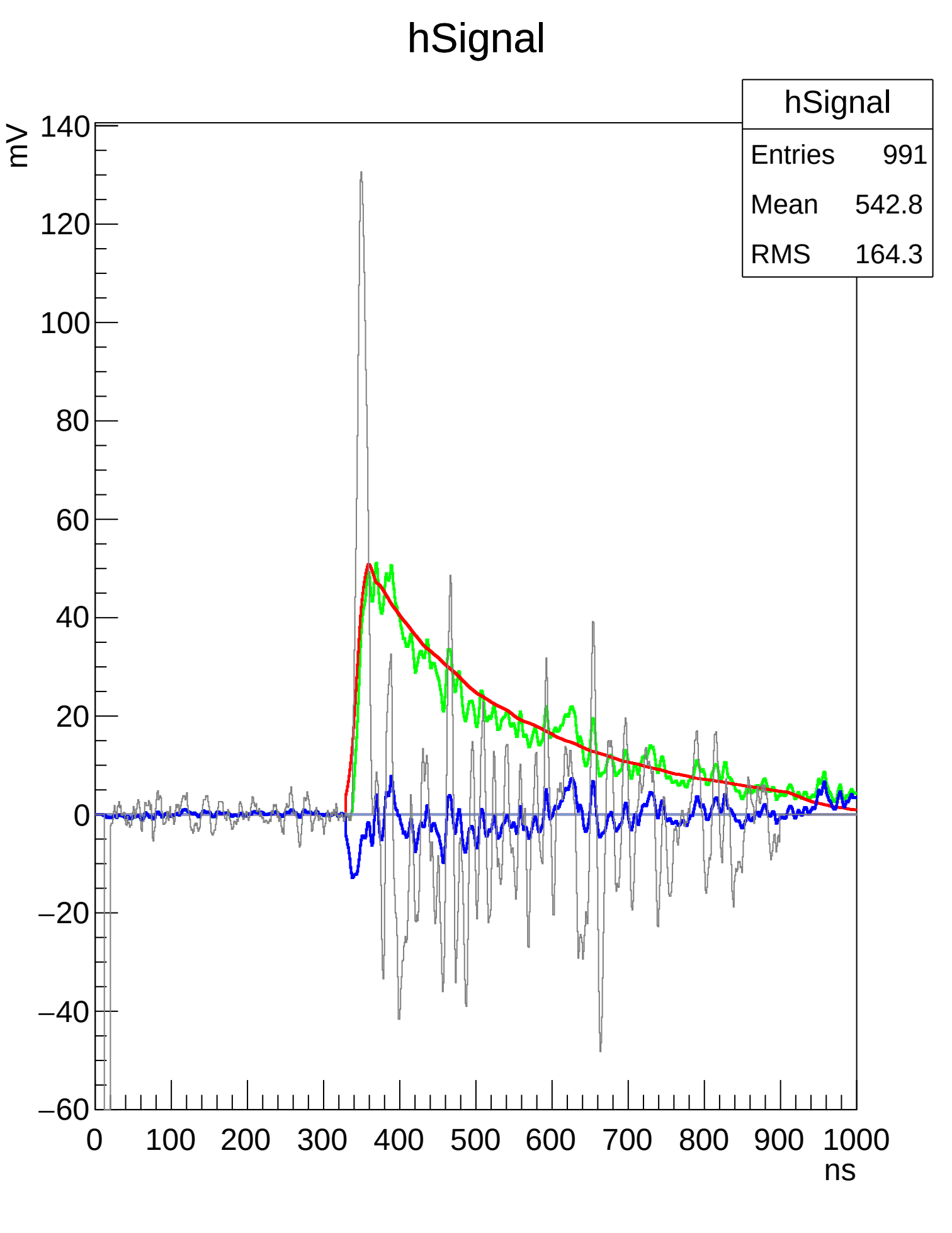

hSignal
hSignal
Entries 991
Mean 530.6
RMS 166.6
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

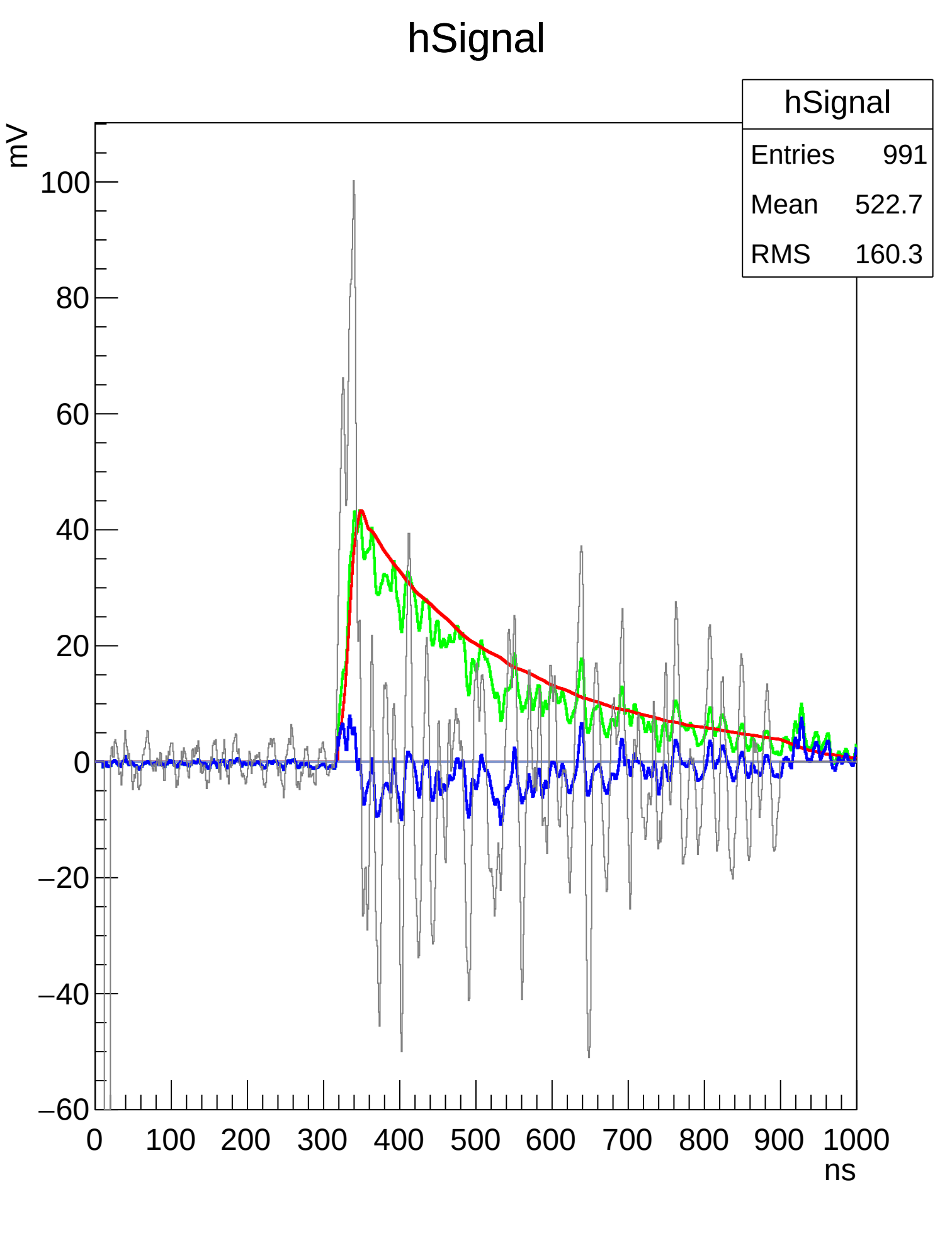

hSignal
hSignal
Entries 991
Mean 575.7
RMS 158
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

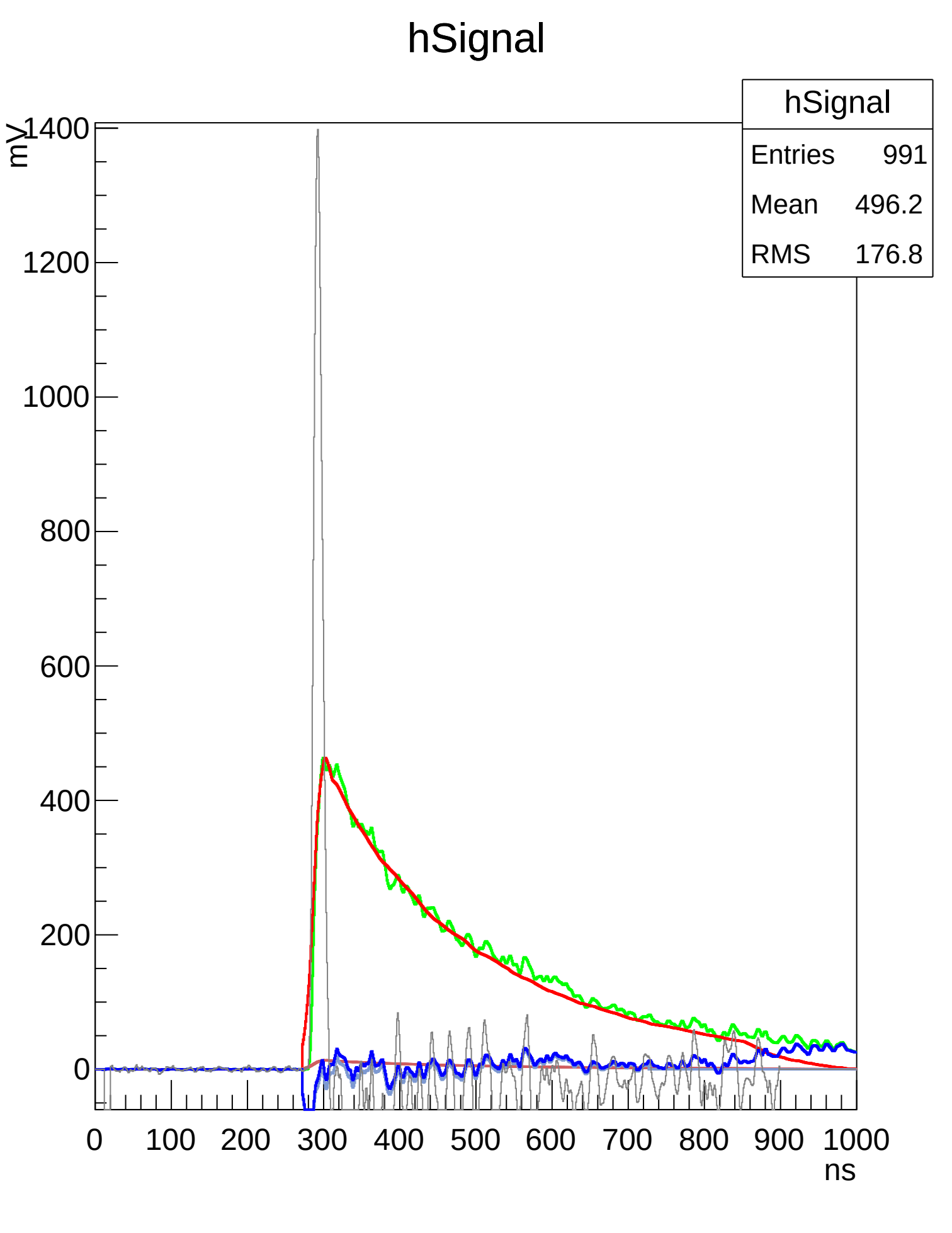

hSignal
hSignal
Entries 991
Mean 568
RMS 155.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

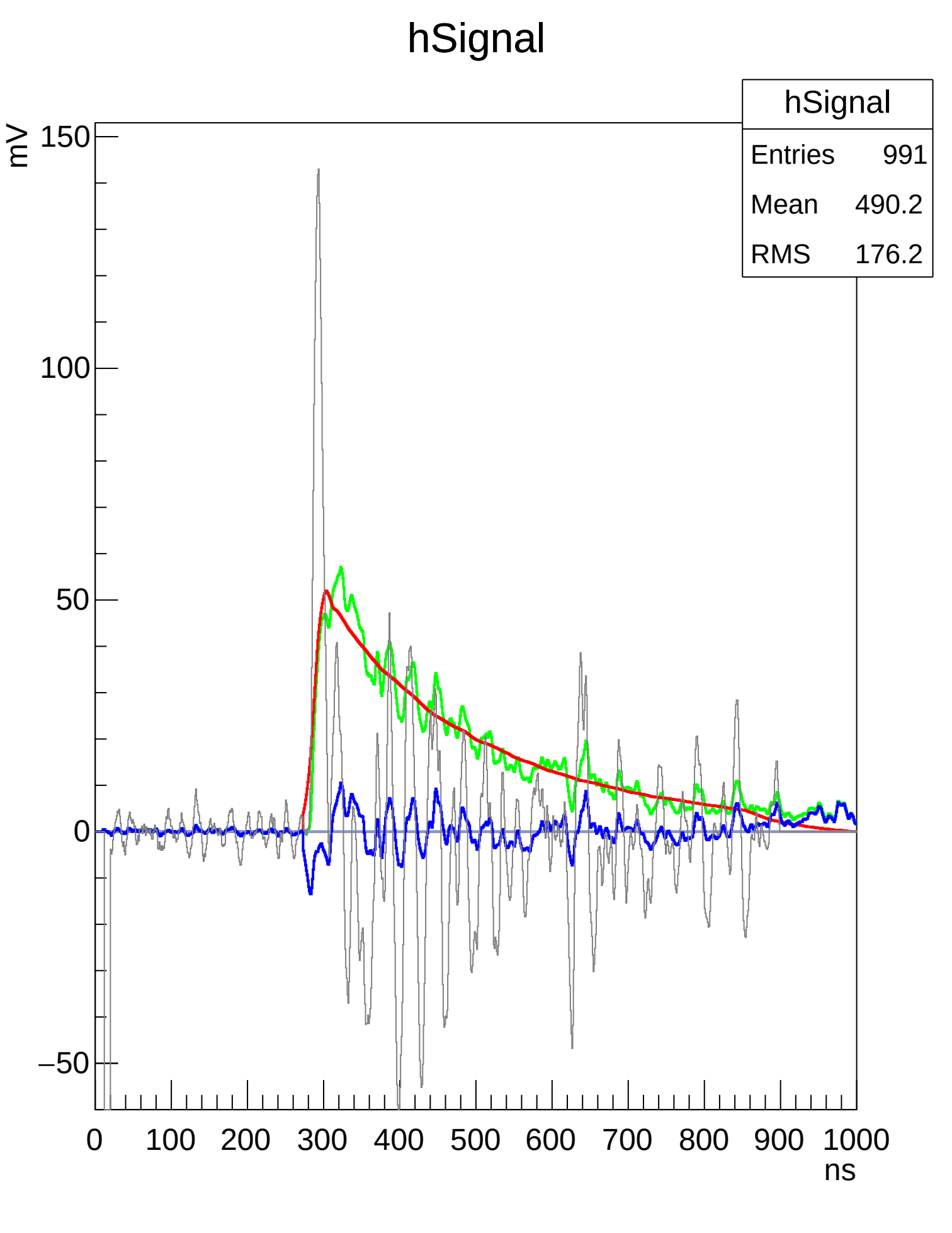

hSignal
hSignal
Entries 991
Mean 548.6
RMS 167.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

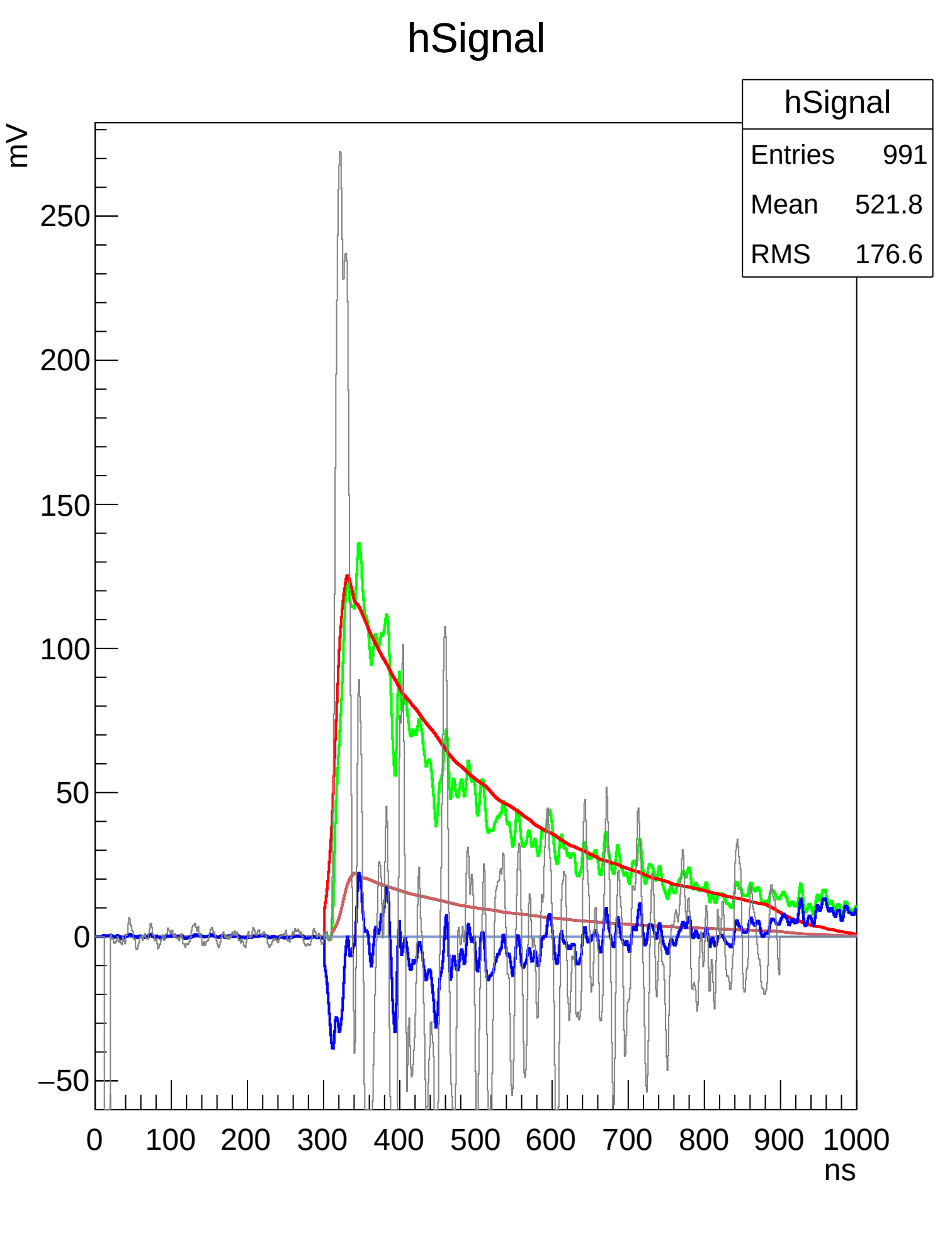

hSignal
hSignal
Entries 991
Mean 577
RMS 159.6
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

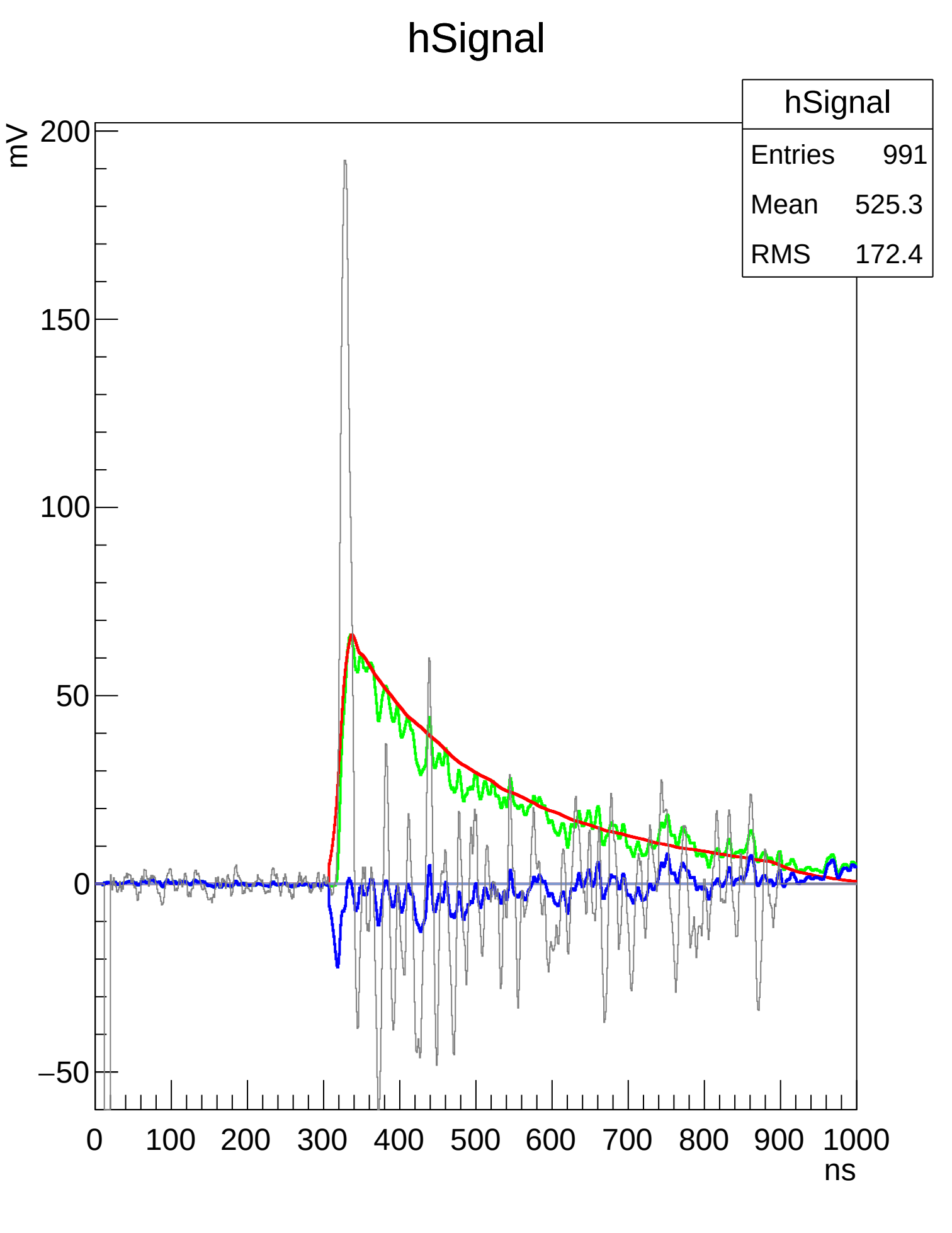

hSignal
hSignal
Entries 991
Mean 542.8
RMS 164.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

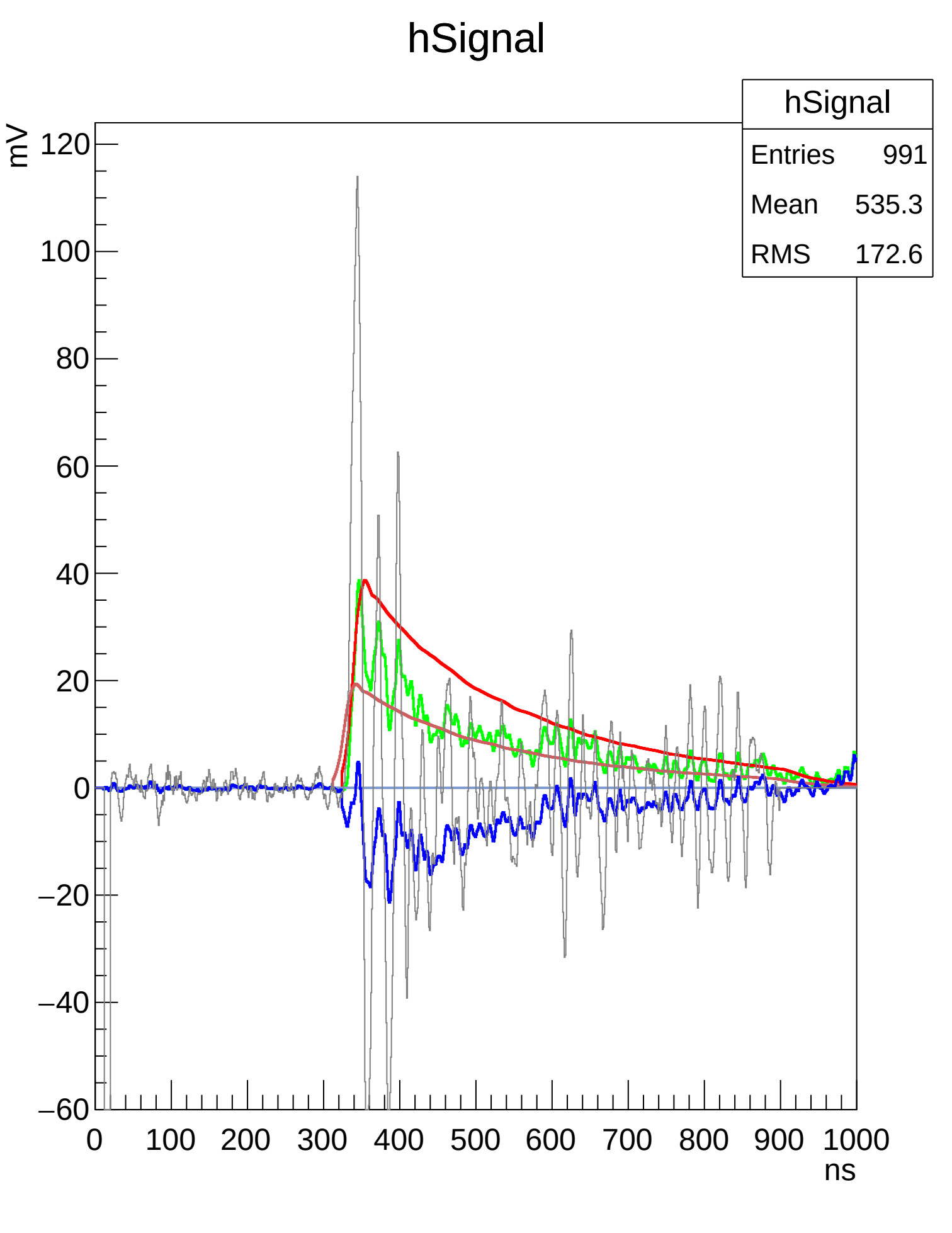

hSignal
hSignal
Entries 991
Mean 522.7
RMS 160.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

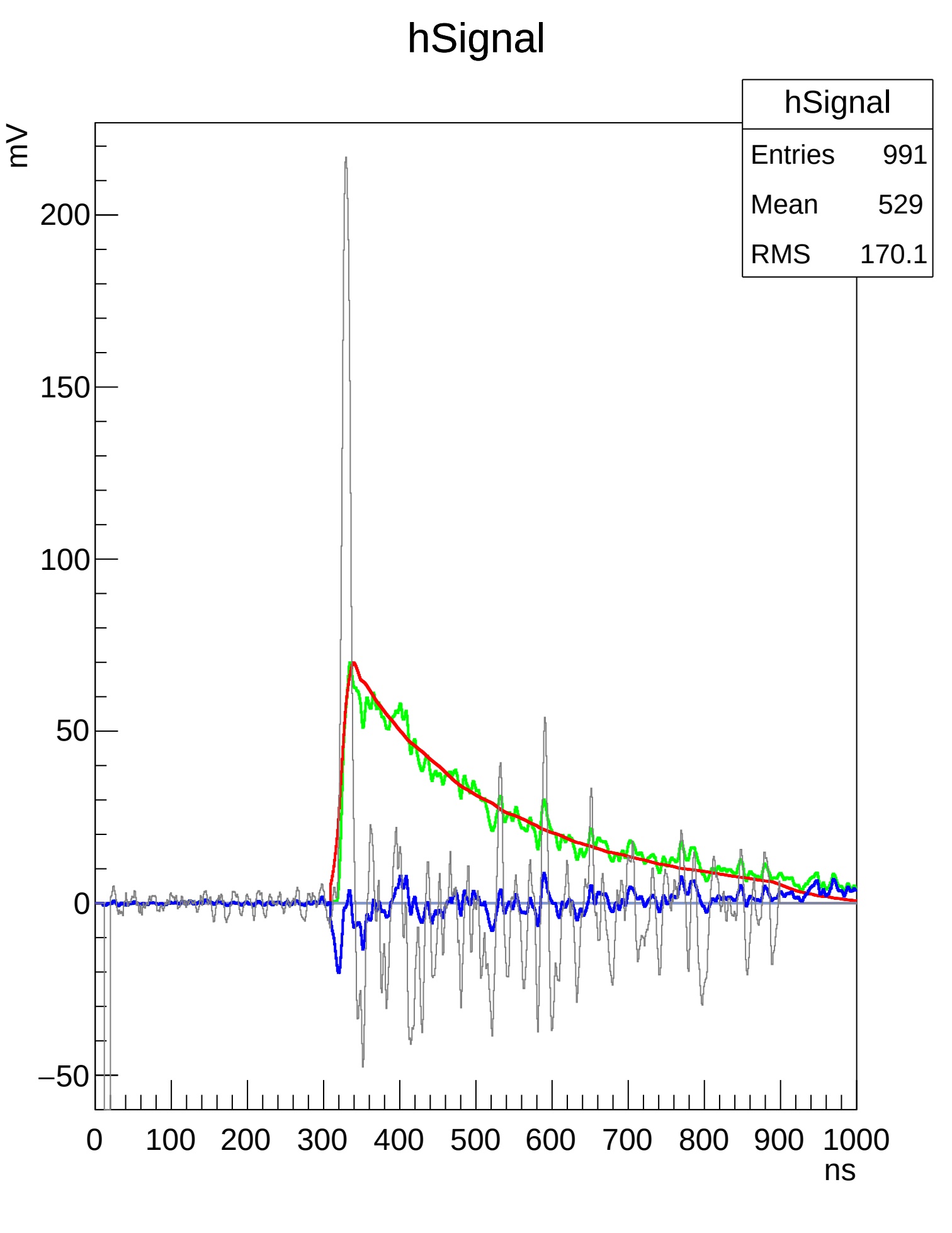

hSignal
hSignal
Entries 991
Mean 496.2
RMS 176.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

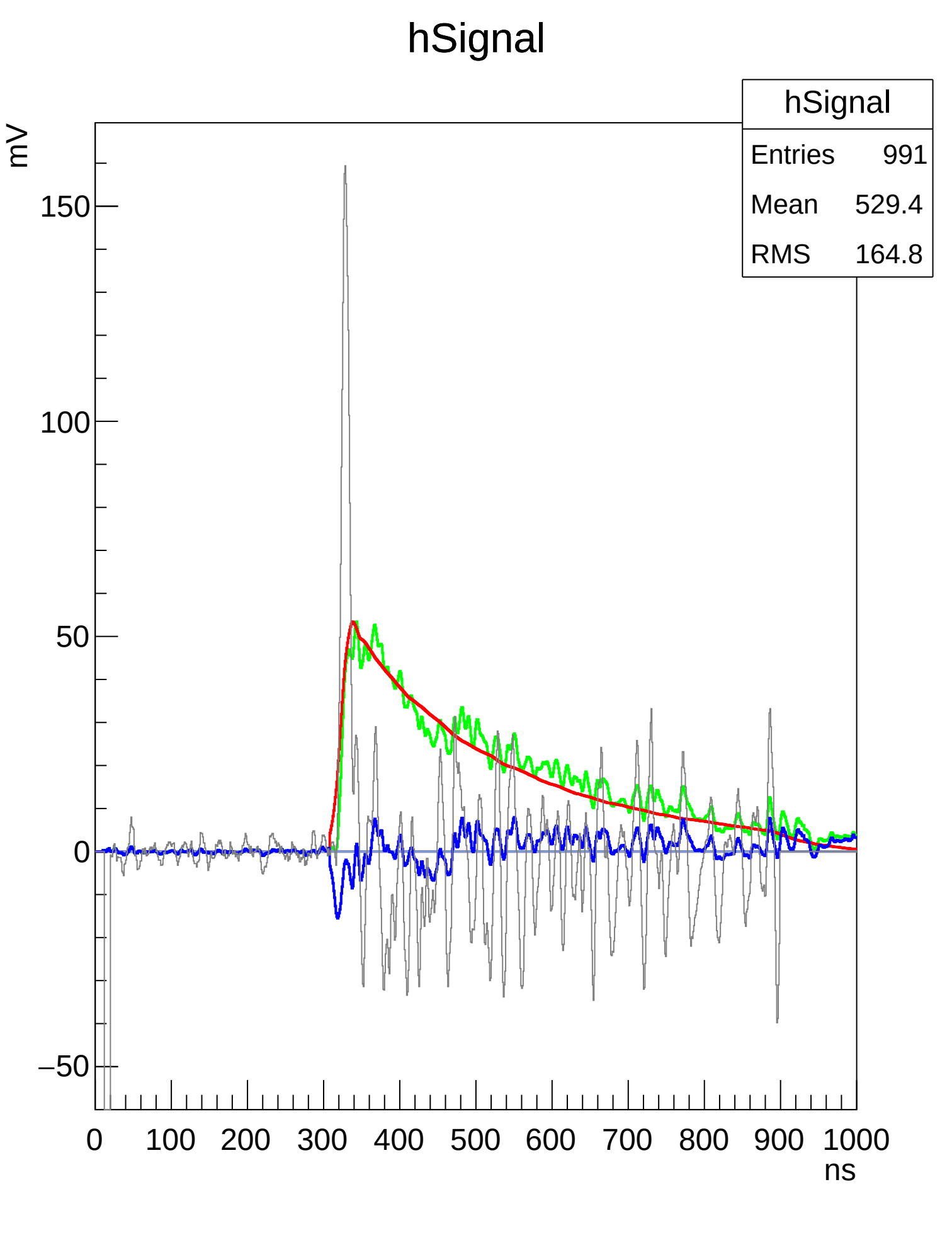

hSignal
hSignal
Entries 991
Mean 490.2
RMS 176.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

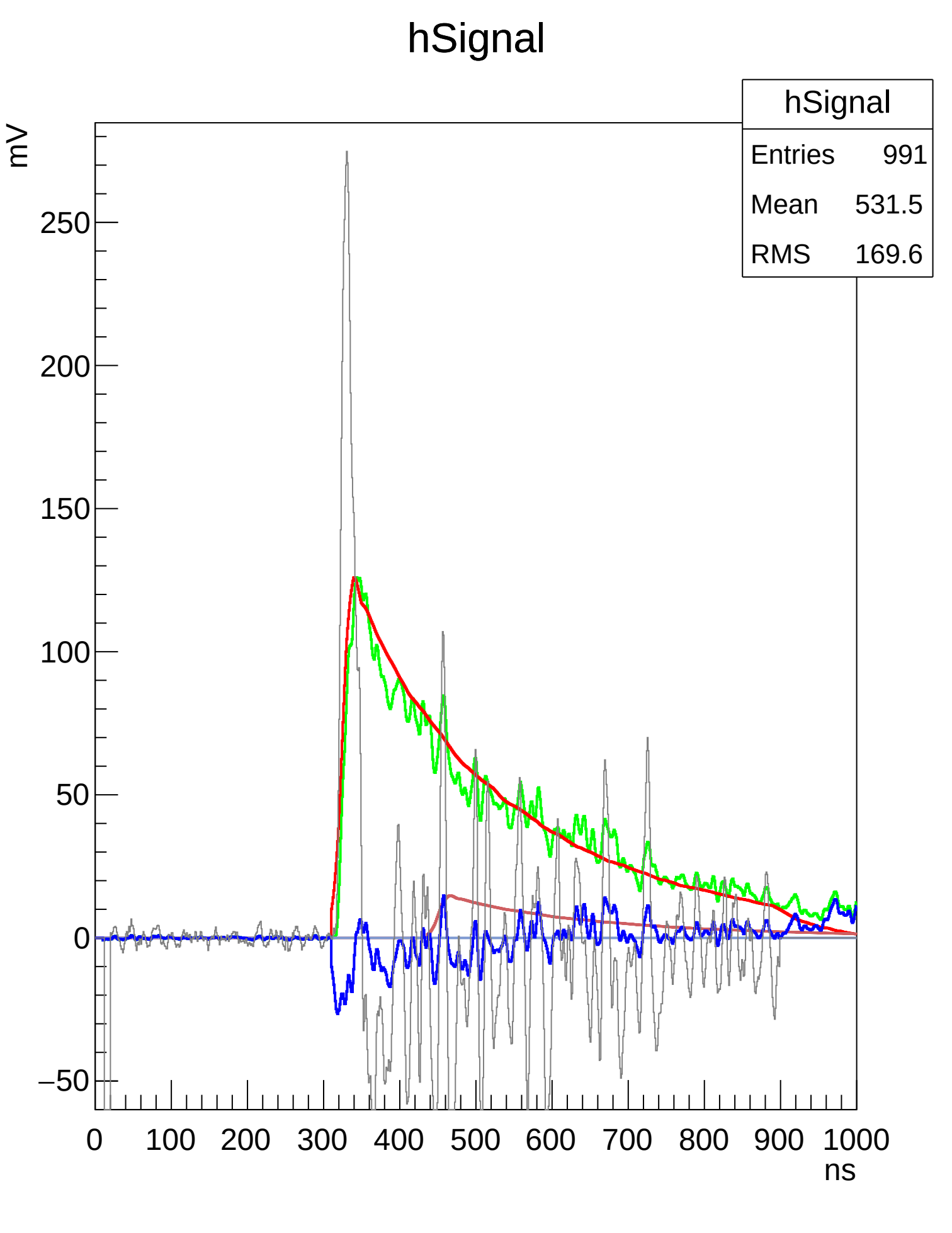

hSignal
hSignal
Entries 991
Mean 521.8
RMS 176.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

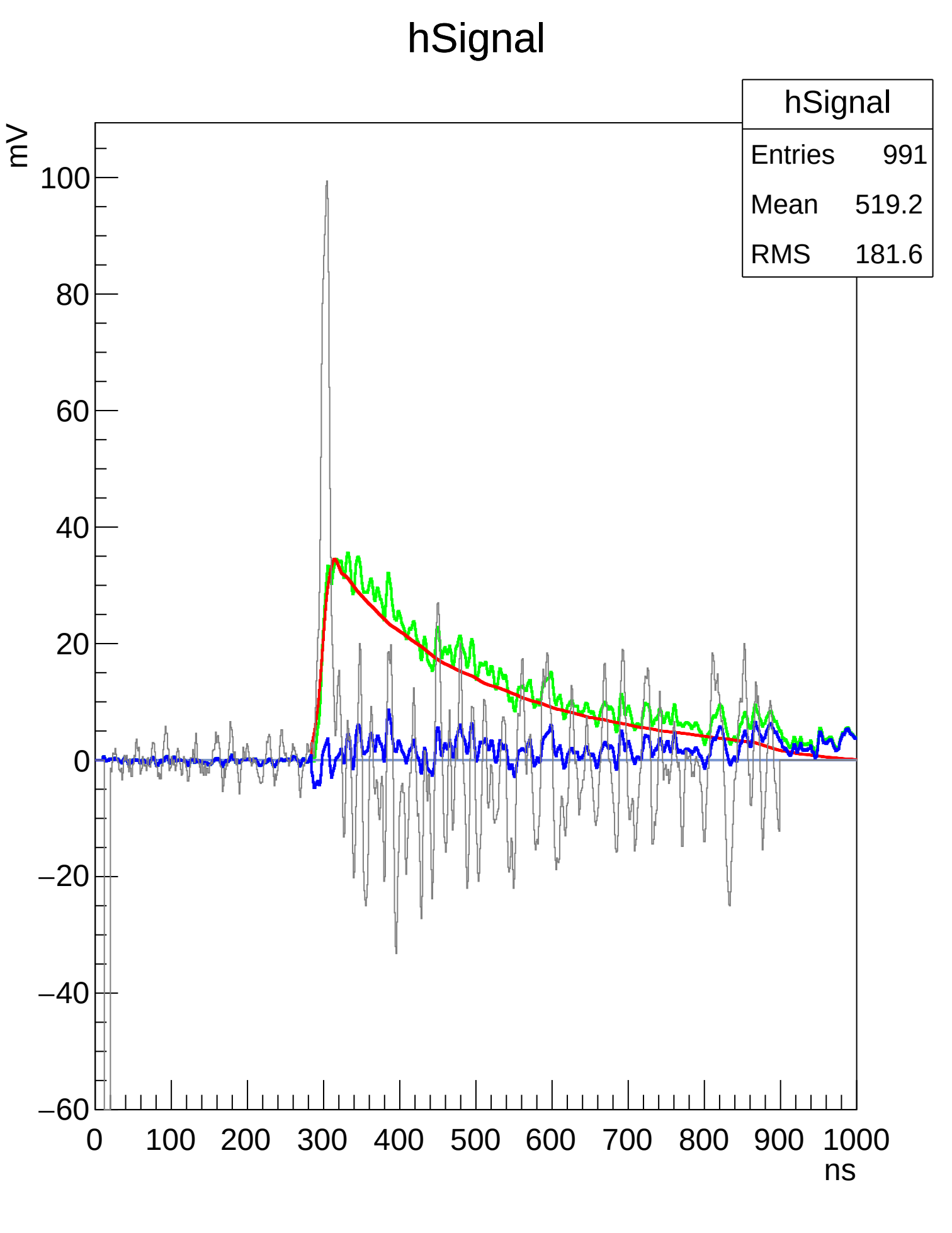

hSignal
hSignal
Entries 991
Mean 525.3
RMS 172.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

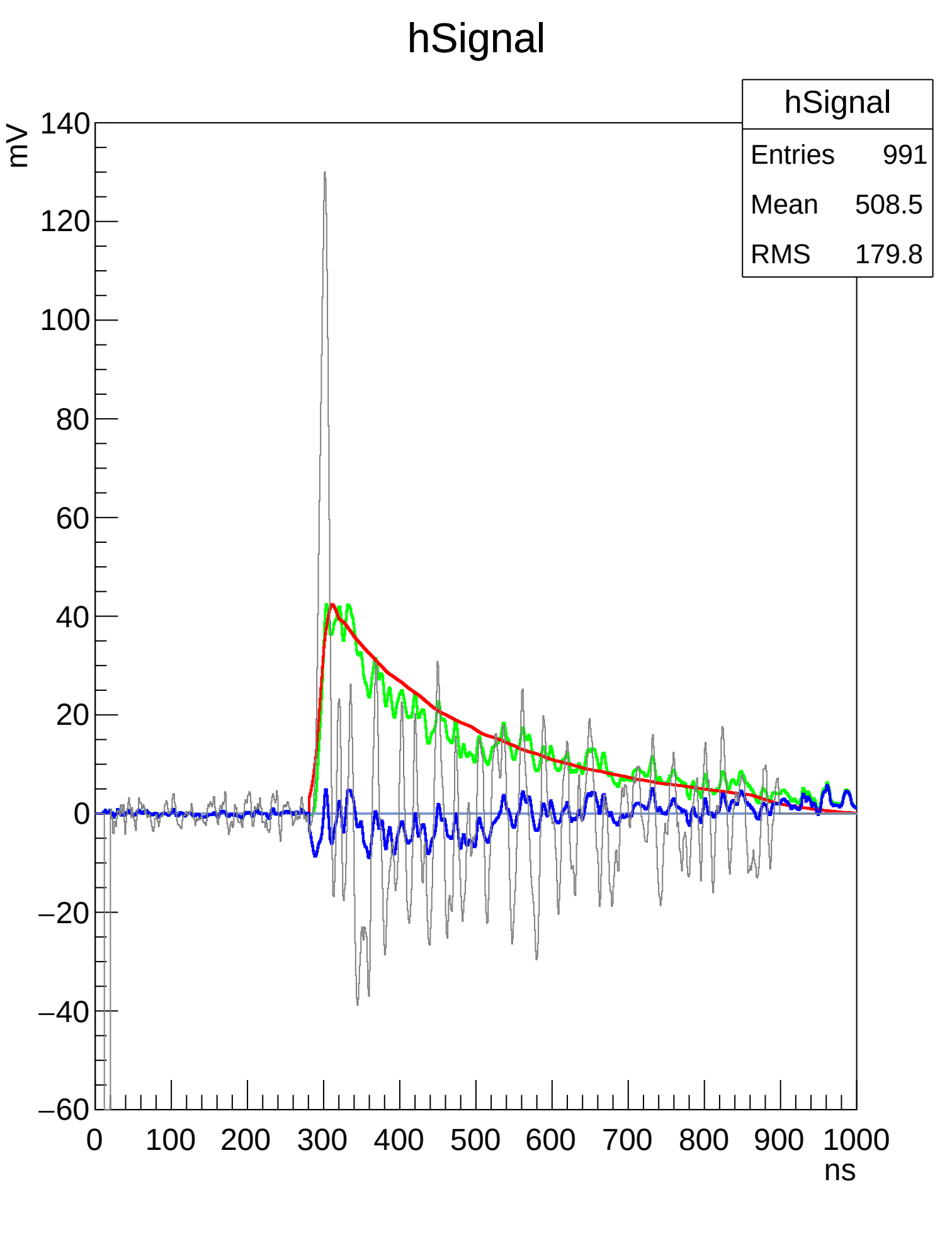

hSignal
hSignal
Entries 991
Mean 535.3
RMS 172.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

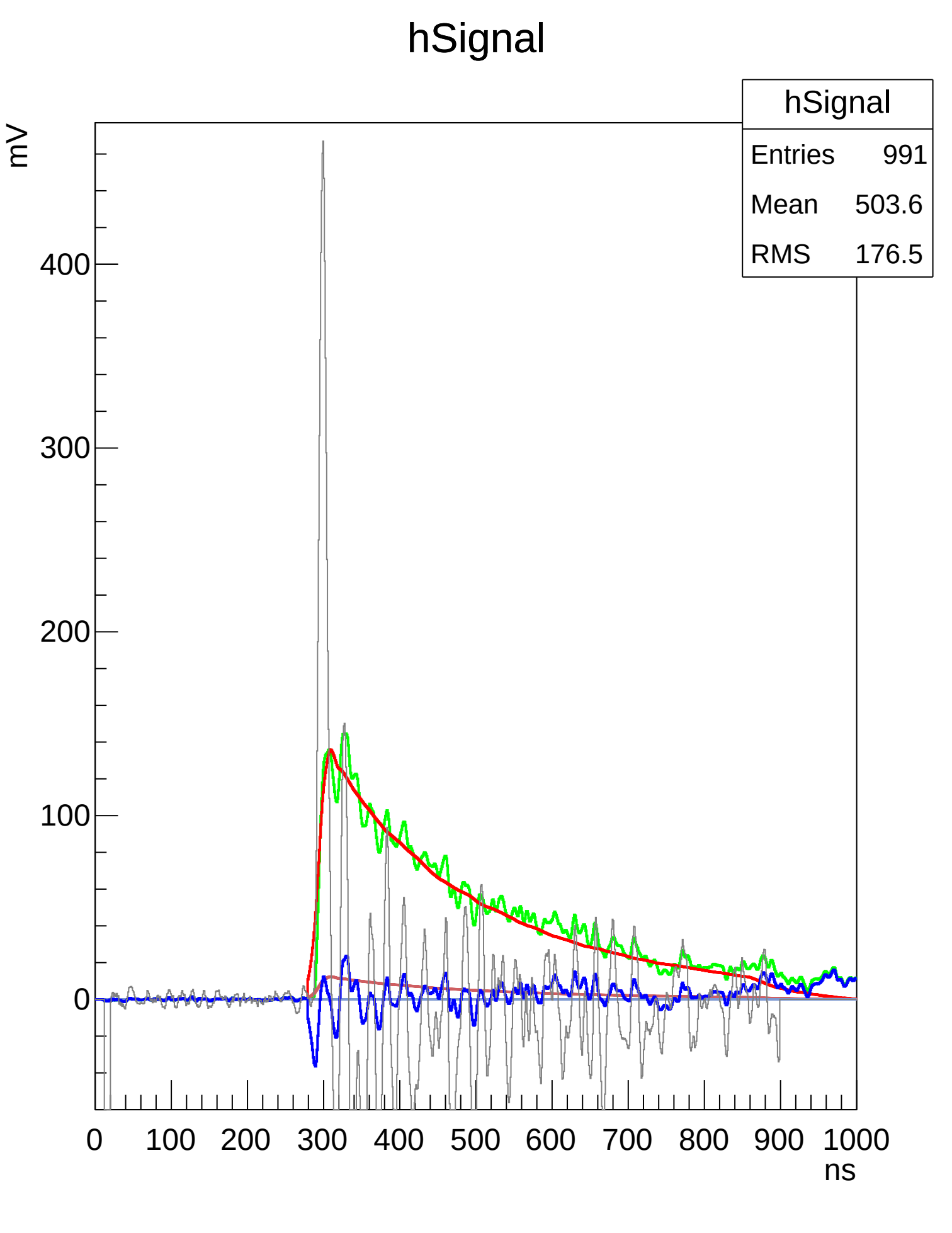

hSignal
hSignal
Entries 991
Mean 529
RMS 170.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

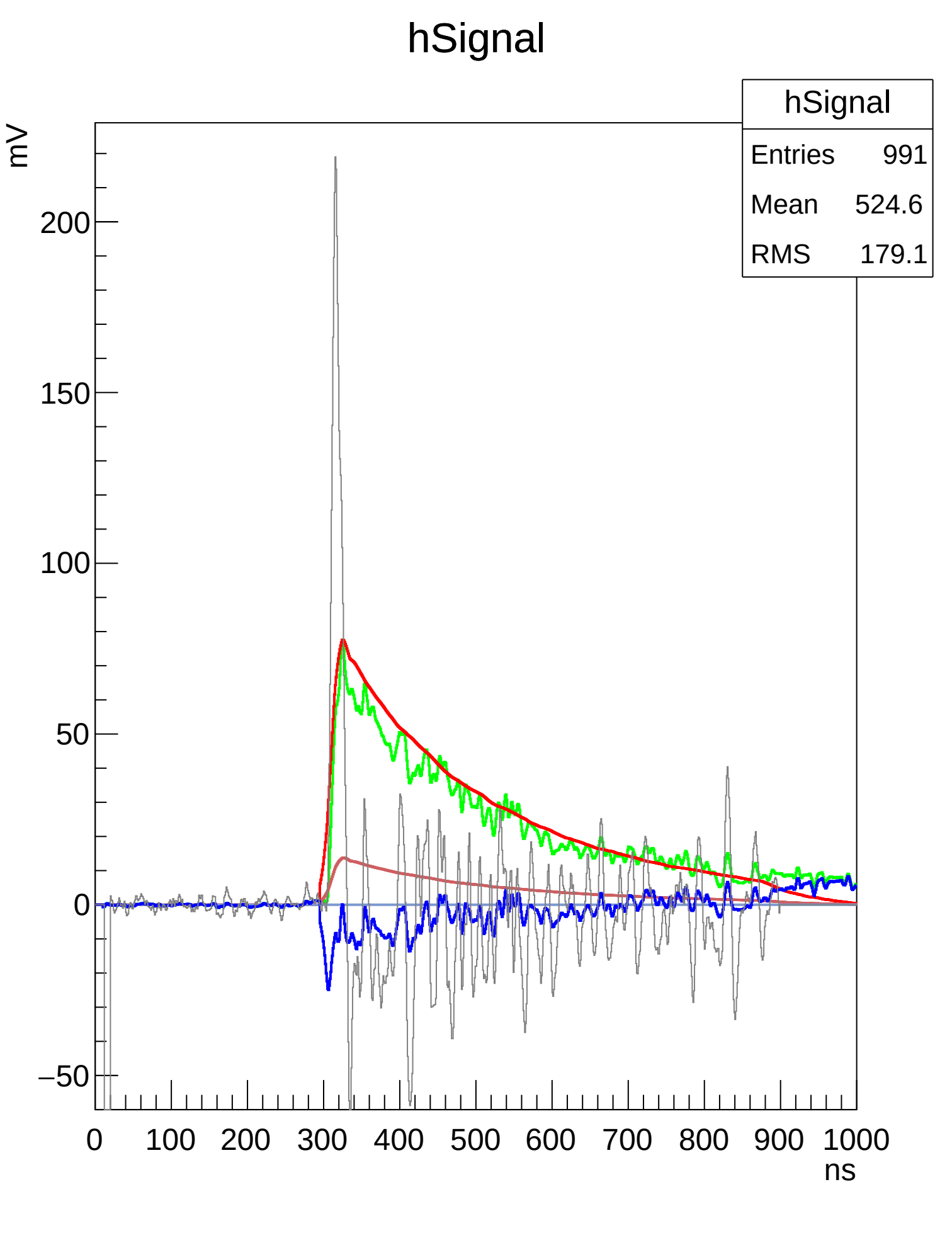

hSignal
hSignal
Entries 991
Mean 529.4
RMS 164.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

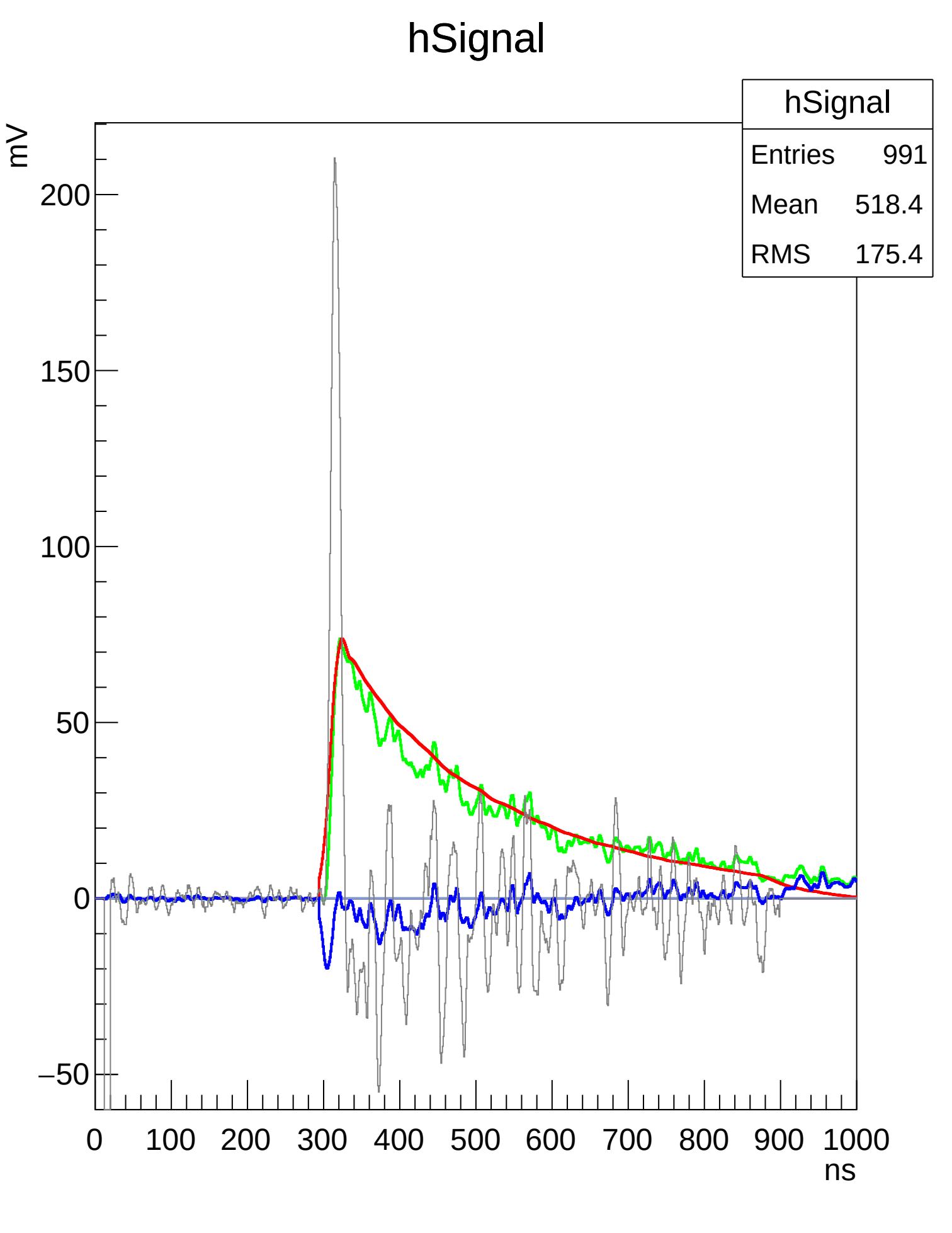

hSignal
hSignal
Entries 991
Mean 531.5
RMS 169.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

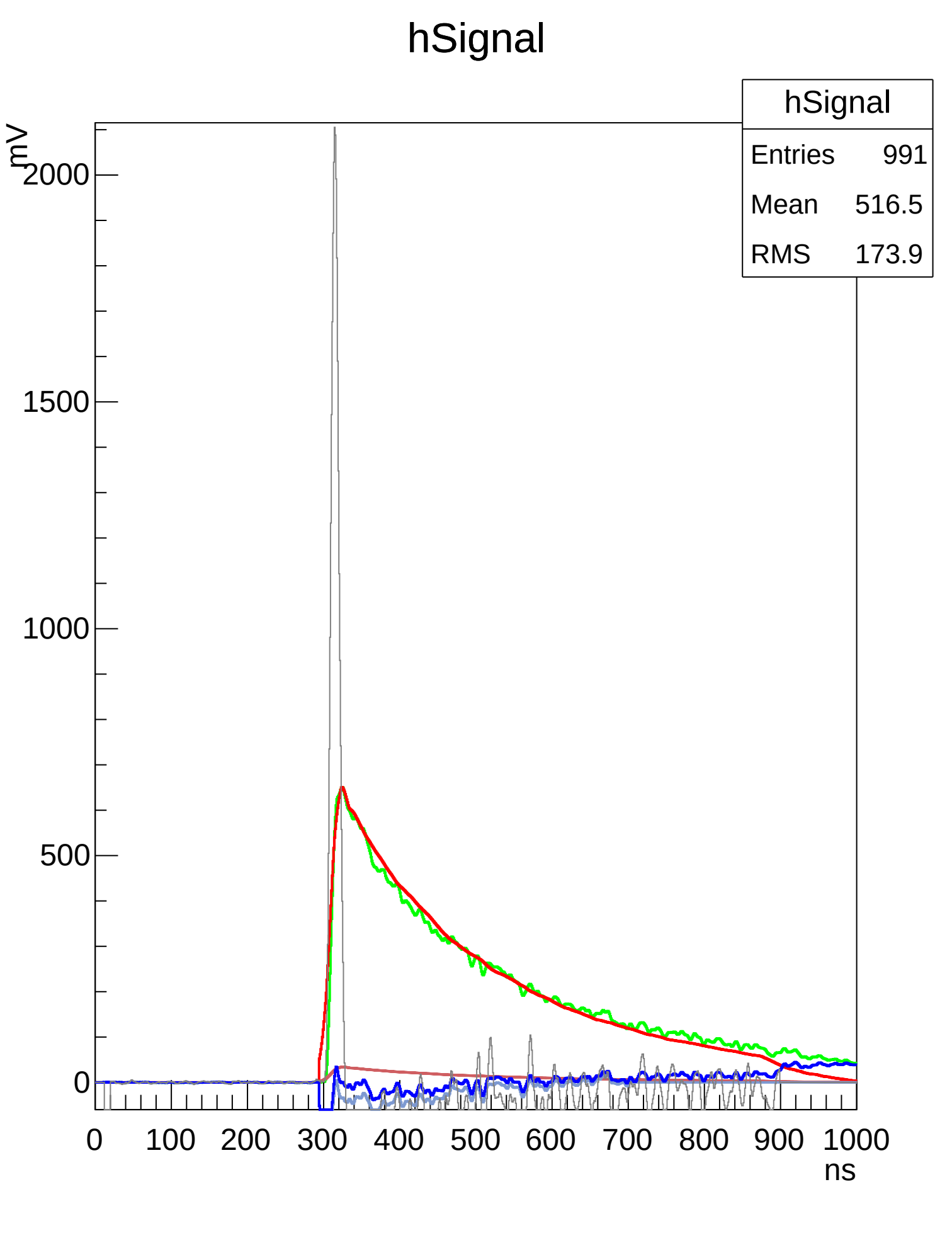

hSignal
hSignal
Entries 991
Mean 519.2
RMS 181.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

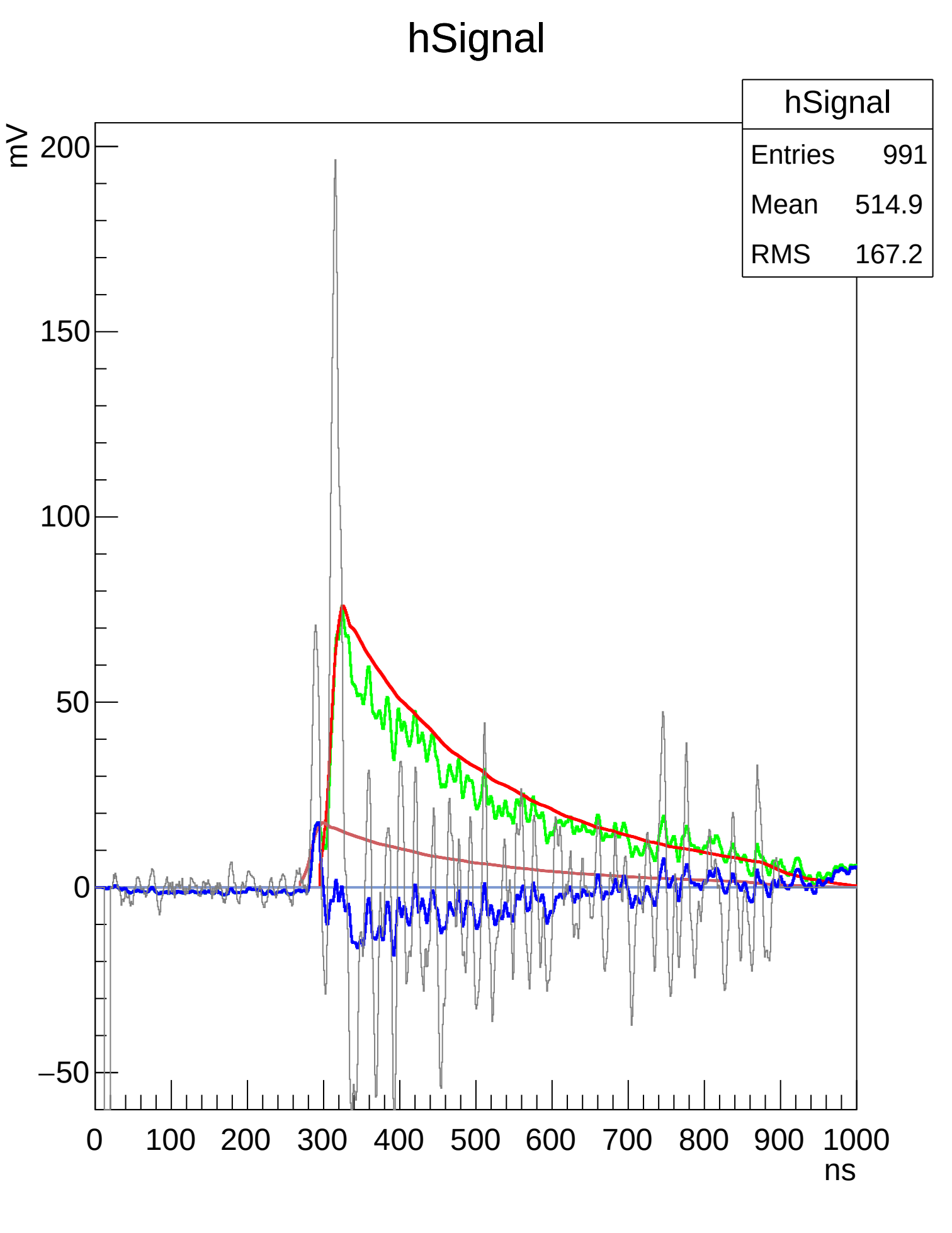

hSignal
hSignal
Entries 991
Mean 508.5
RMS 179.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

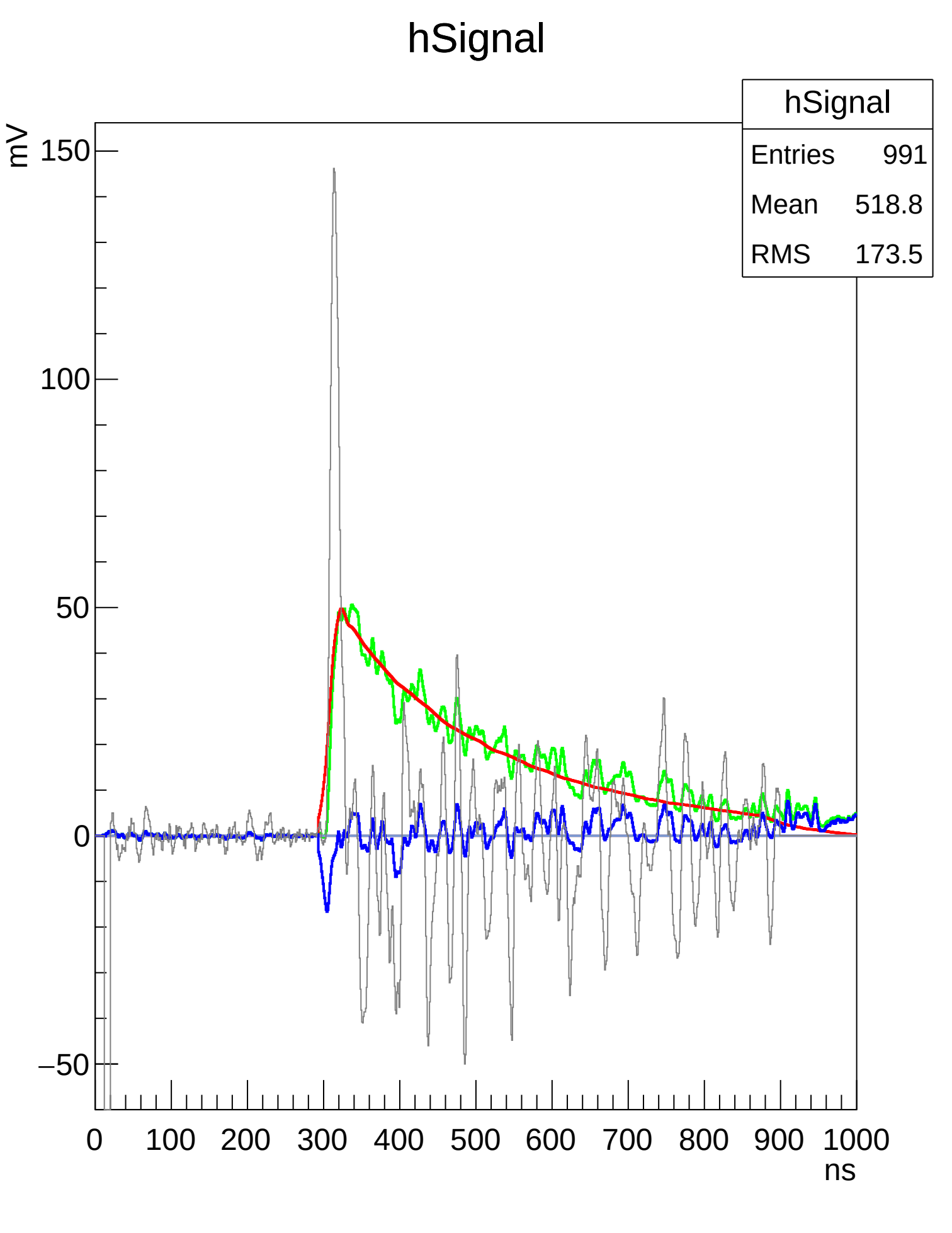

hSignal
hSignal
Entries 991
Mean 503.6
RMS 176.5
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

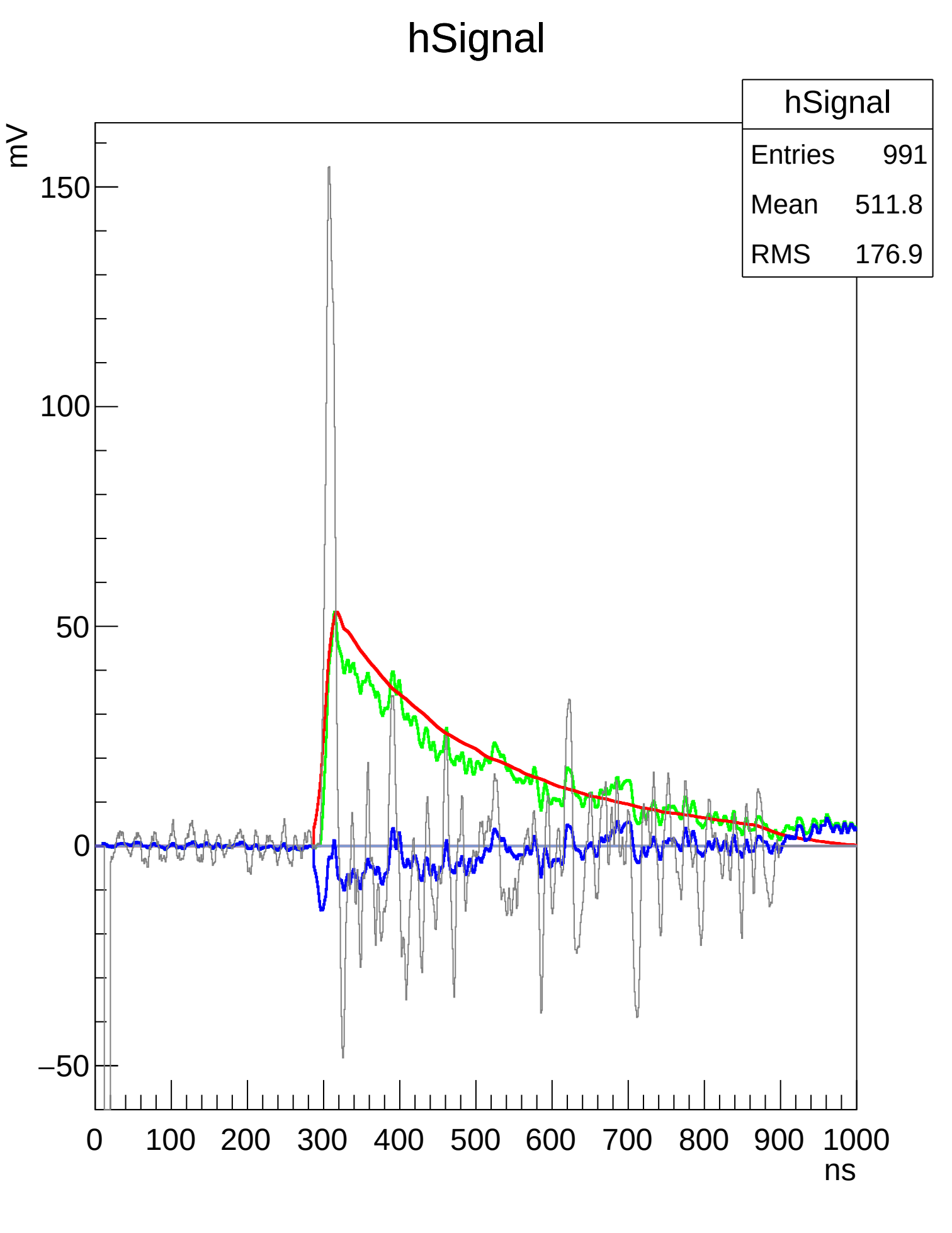

hSignal
hSignal
Entries 991
Mean 524.6
RMS 179.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

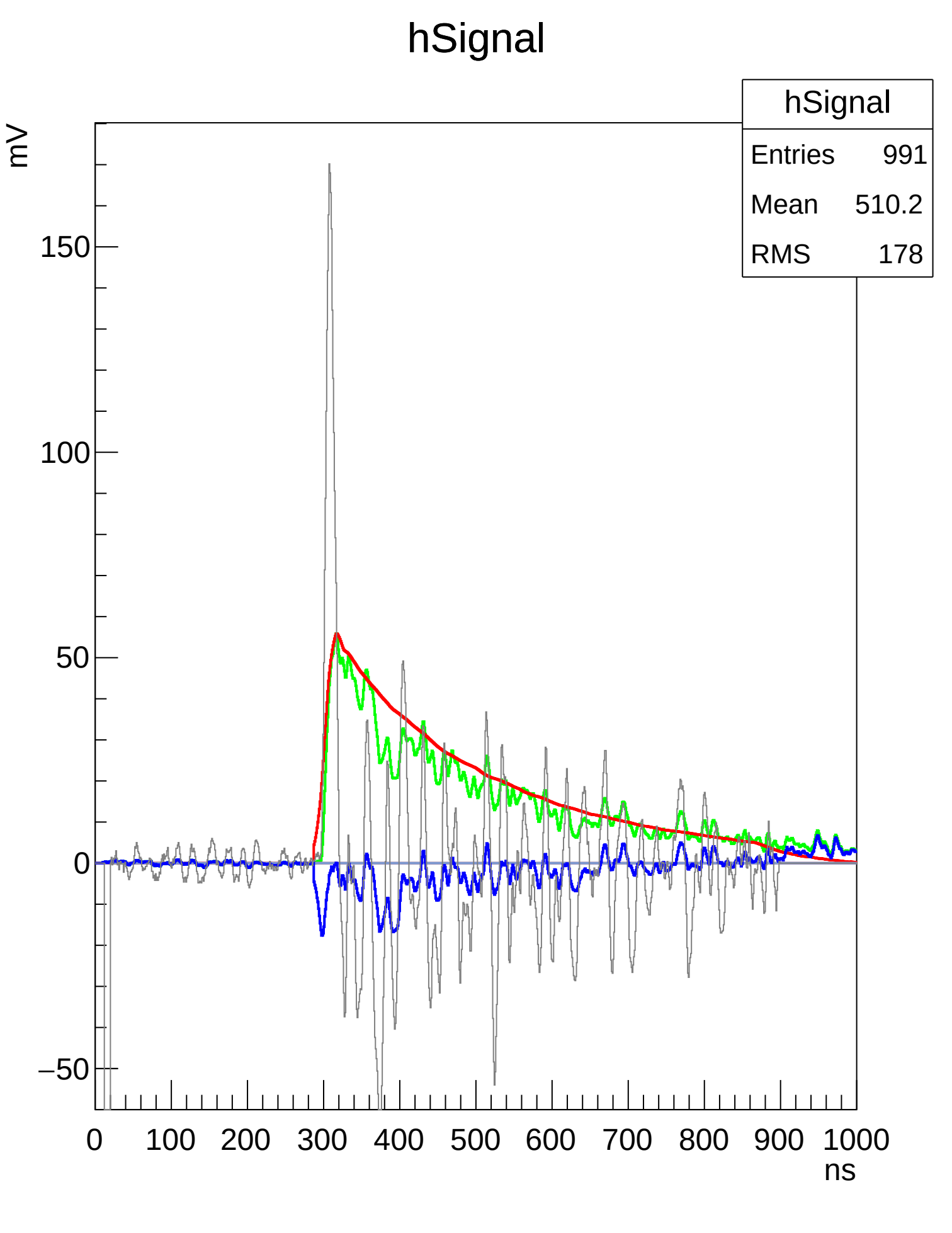

hSignal
hSignal
Entries 991
Mean 518.4
RMS 175.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

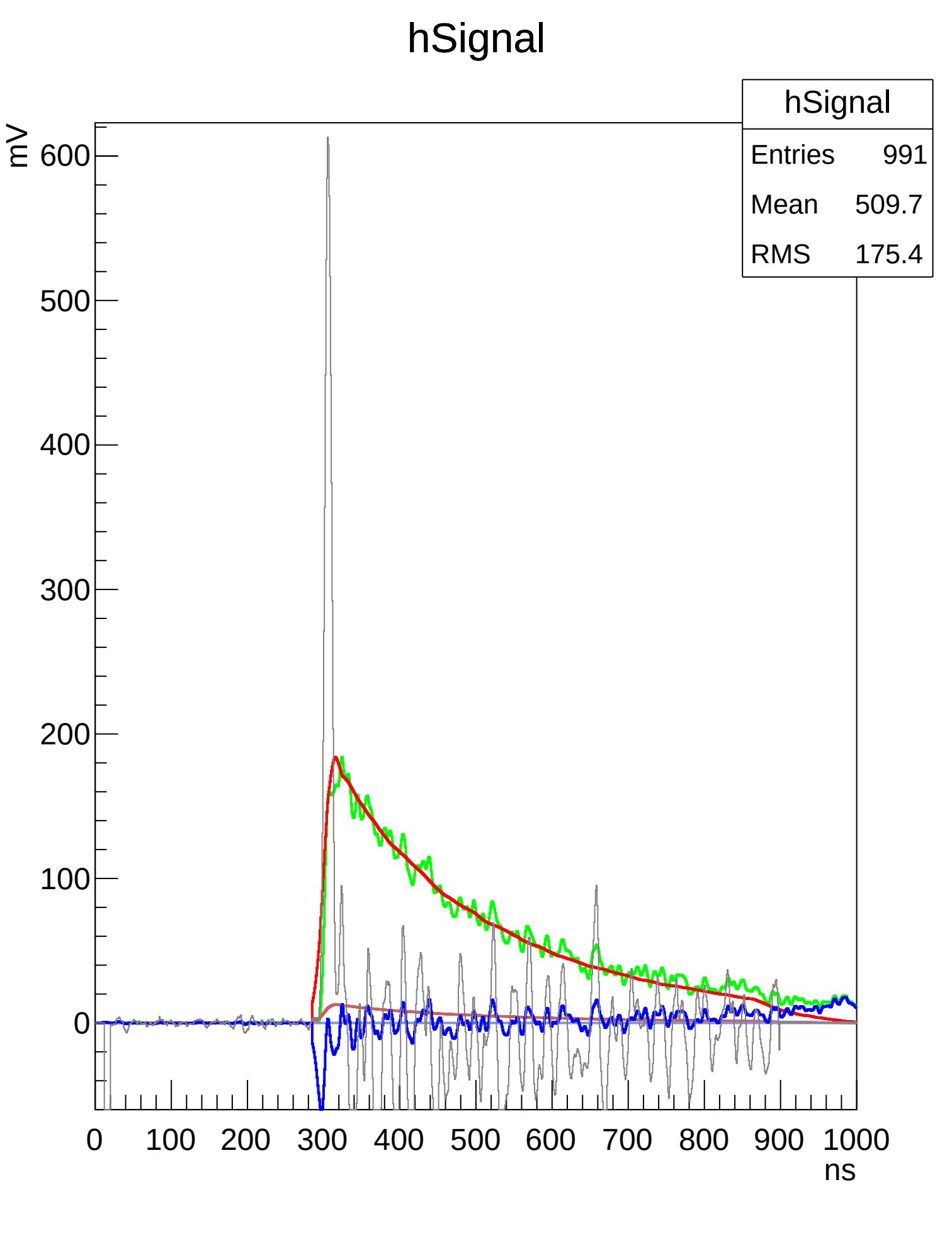

hSignal
hSignal
Entries 991
Mean 516.5
RMS 173.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

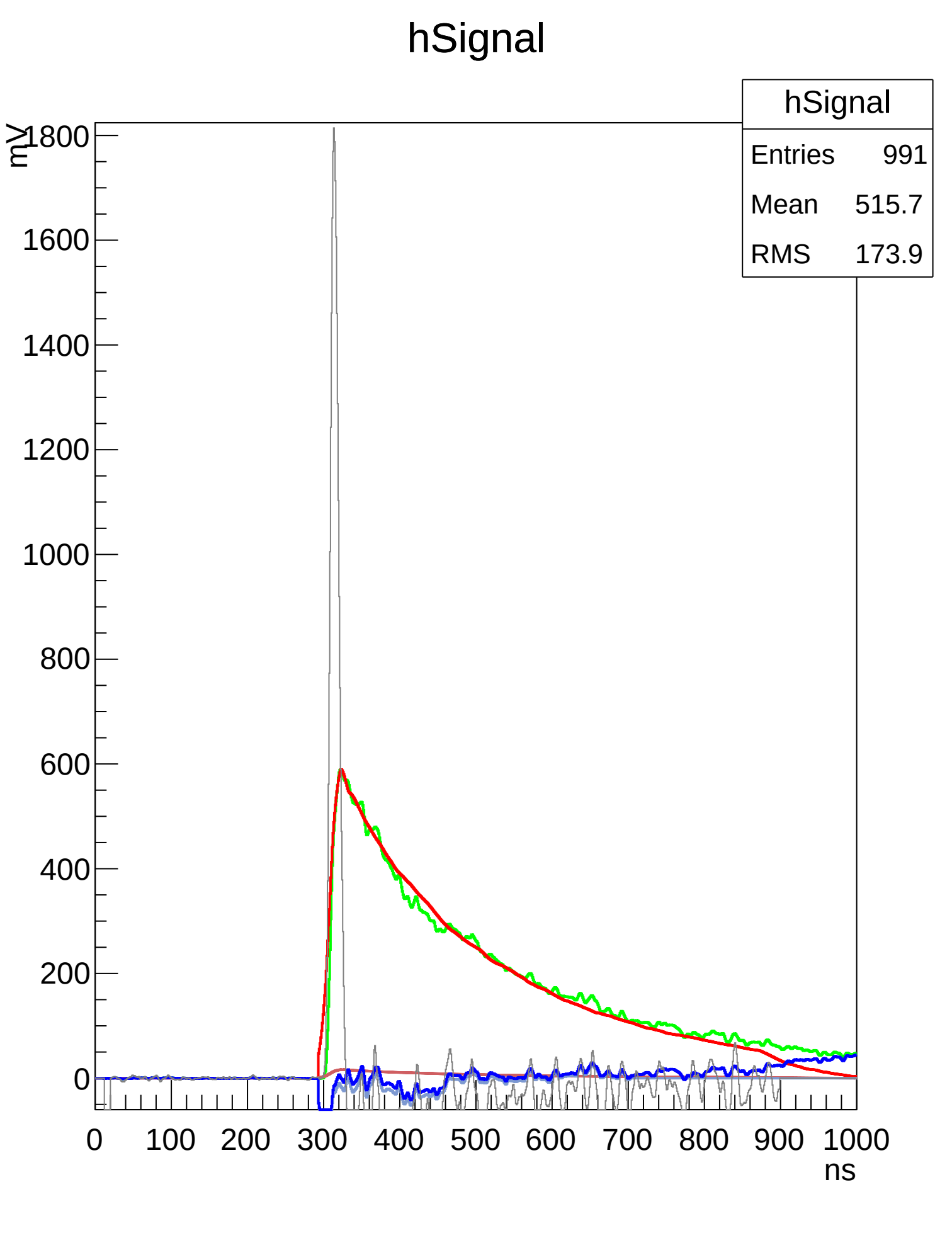

hSignal
hSignal
Entries 991
Mean 514.9
RMS 167.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

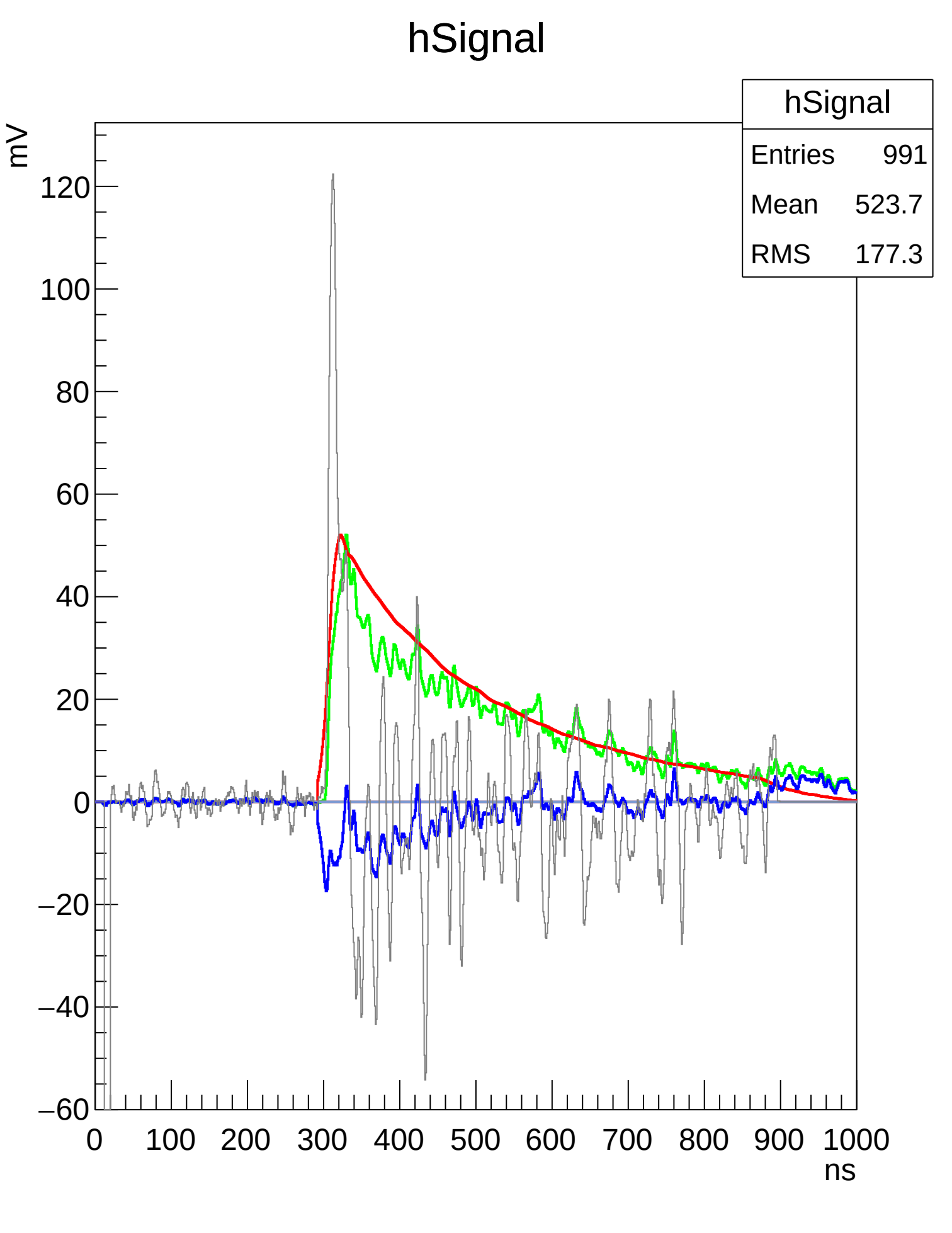

hSignal
hSignal
Entries 991
Mean 518.8
RMS 173.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

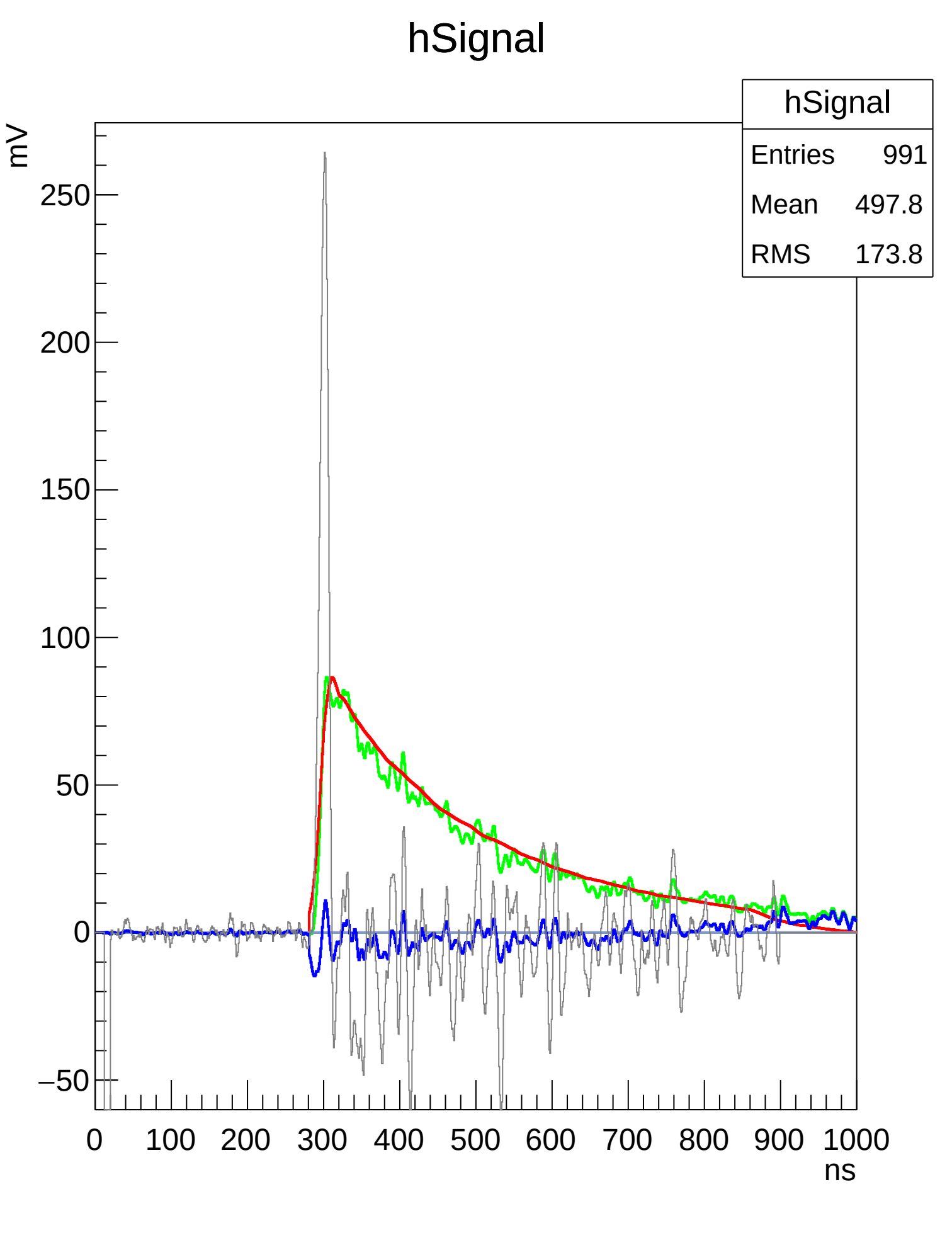

hSignal
hSignal
Entries 991
Mean 511.8
RMS 176.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

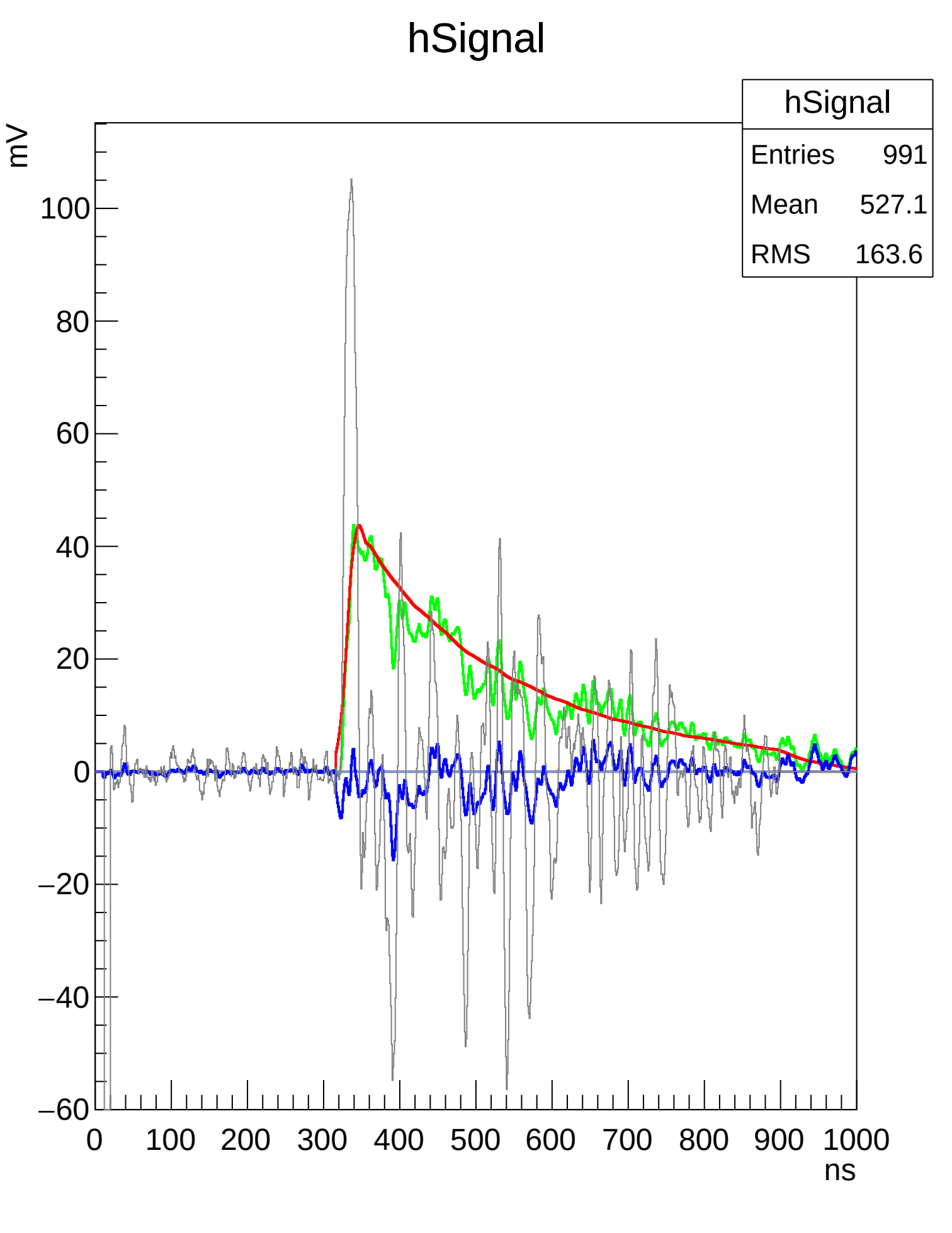

hSignal
hSignal
Entries 991
Mean 510.2
RMS 178
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

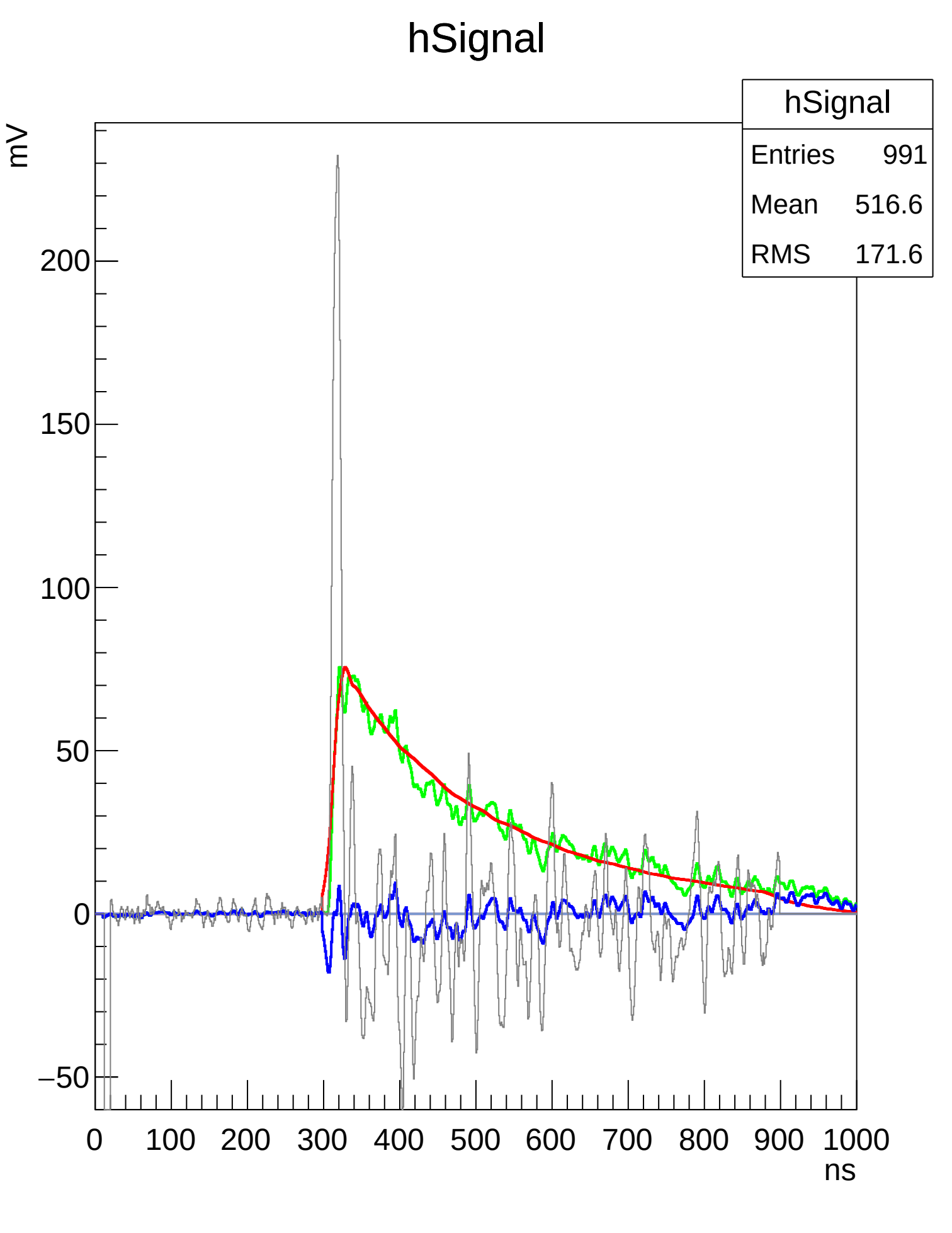

hSignal
hSignal
Entries 991
Mean 509.7
RMS 175.4
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

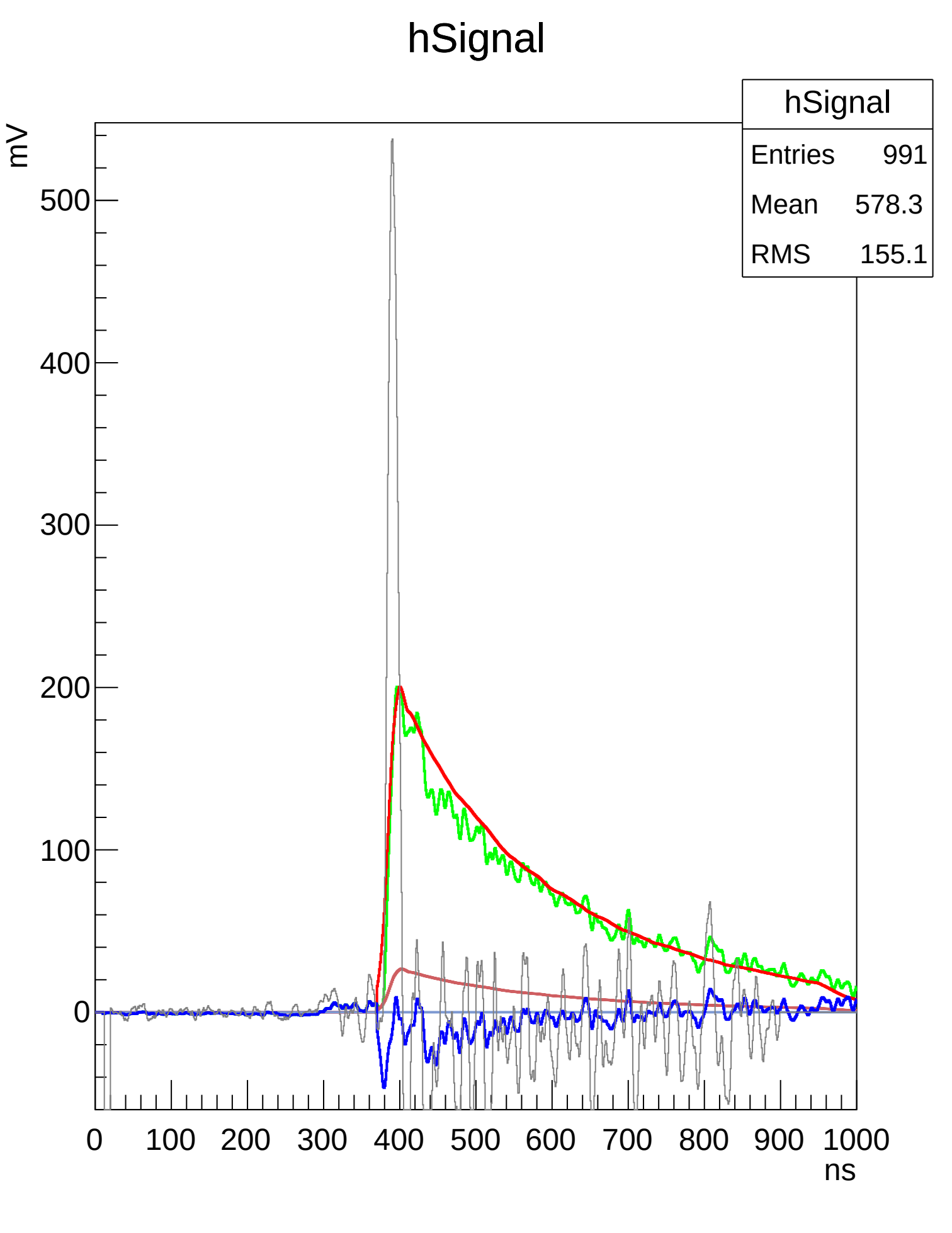

hSignal
hSignal
Entries 991
Mean 515.7
RMS 173.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

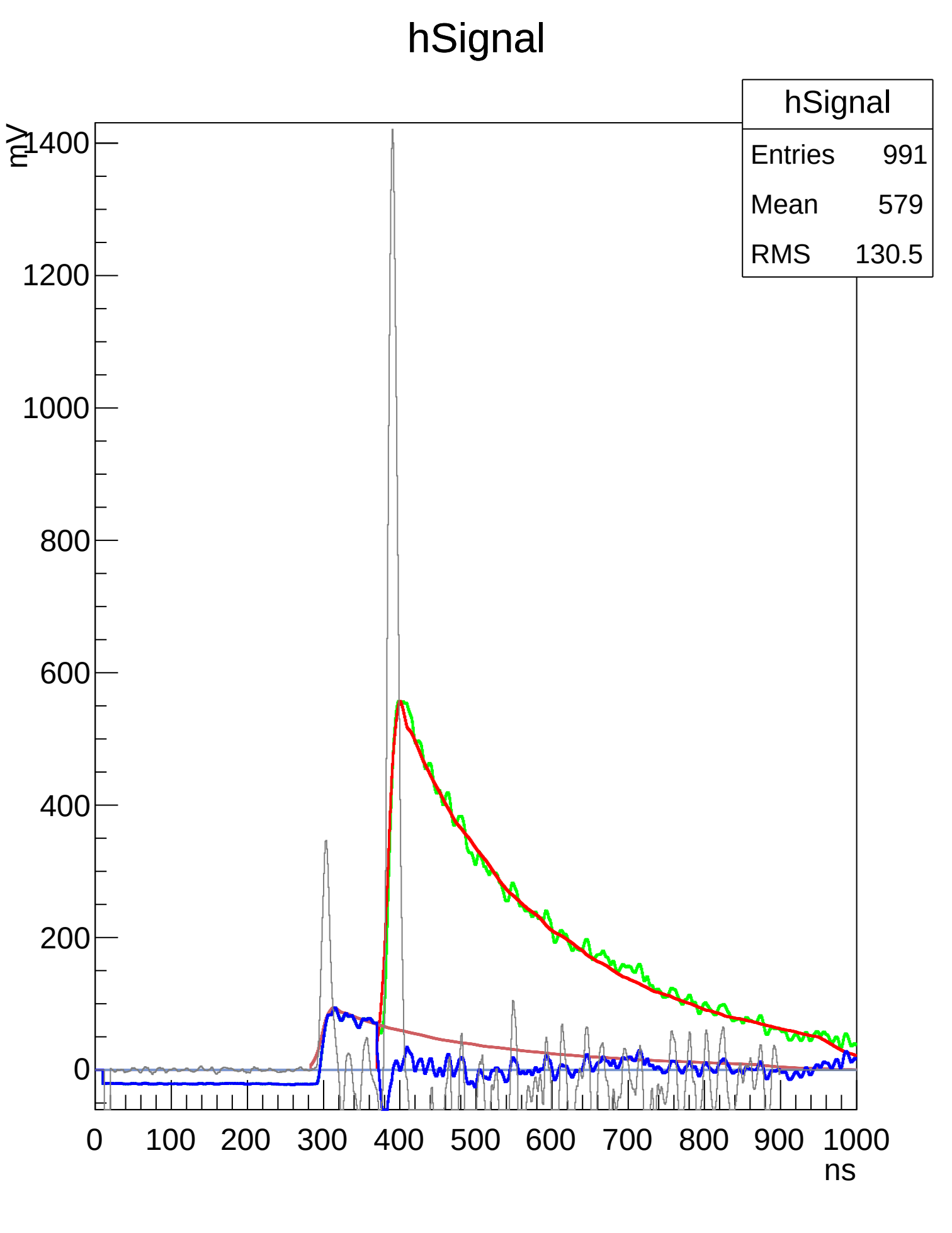

hSignal
hSignal
Entries 991
Mean 523.7
RMS 177.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

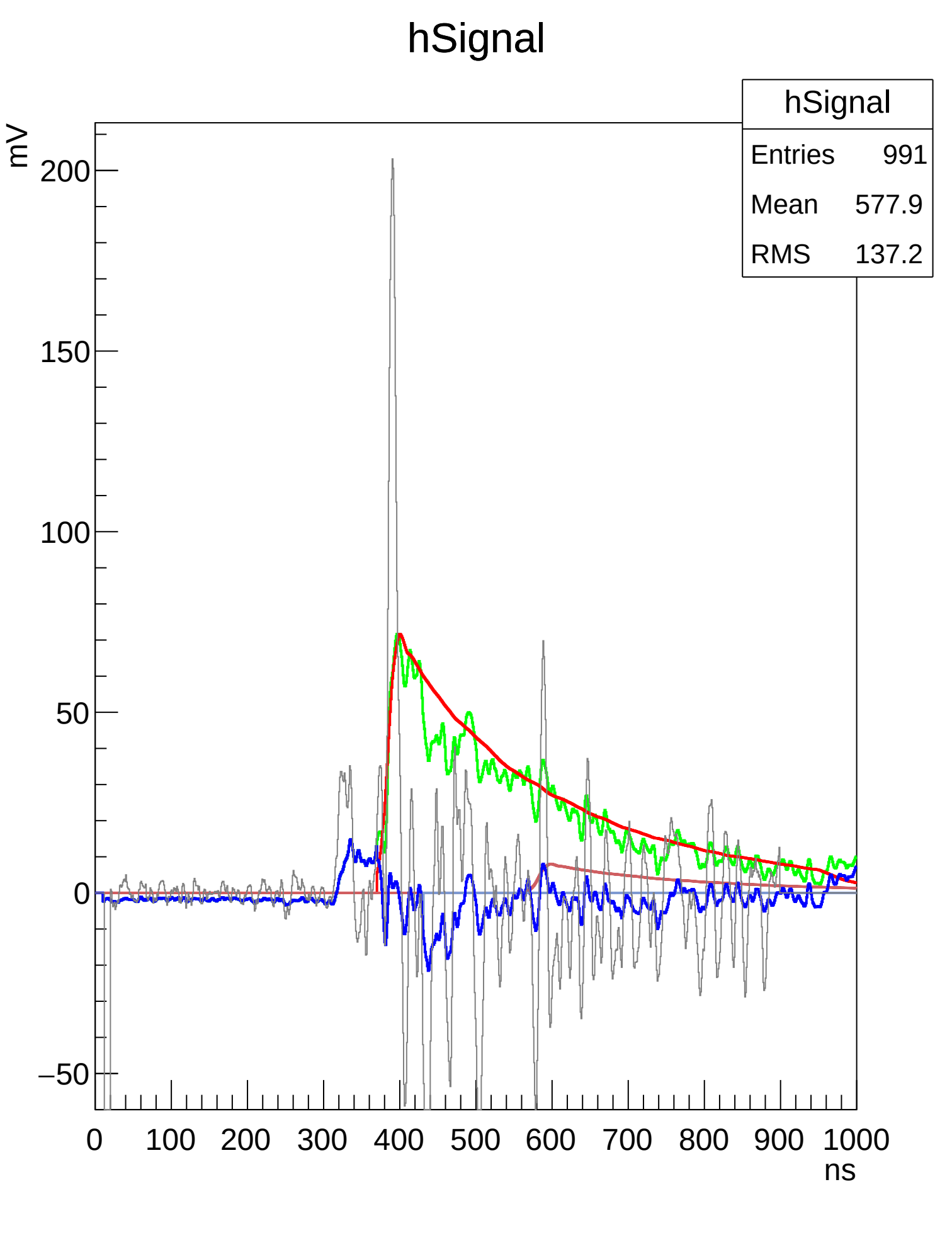

hSignal
hSignal
Entries 991
Mean 497.8
RMS 173.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

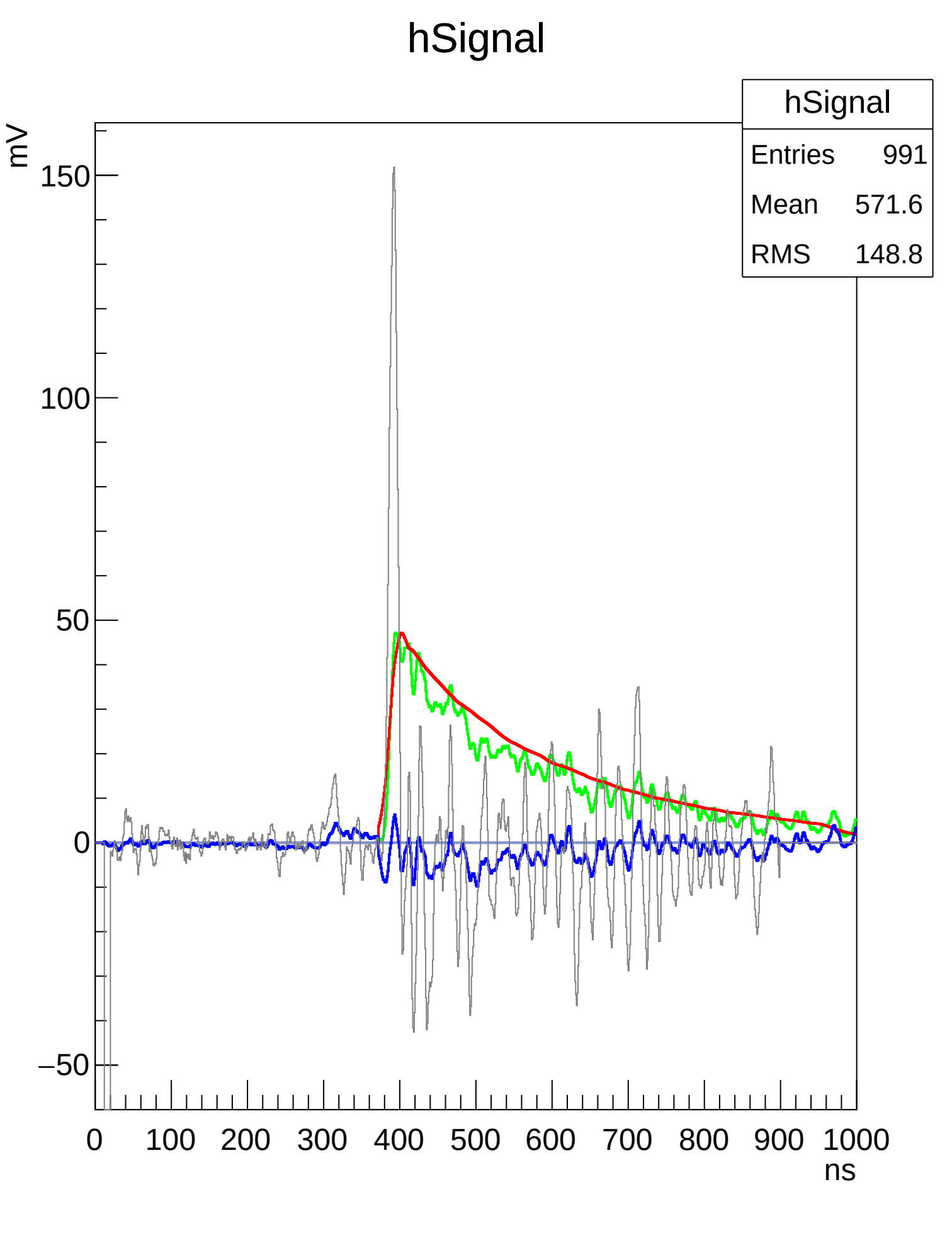

hSignal
hSignal
Entries 991
Mean 527.1
RMS 163.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

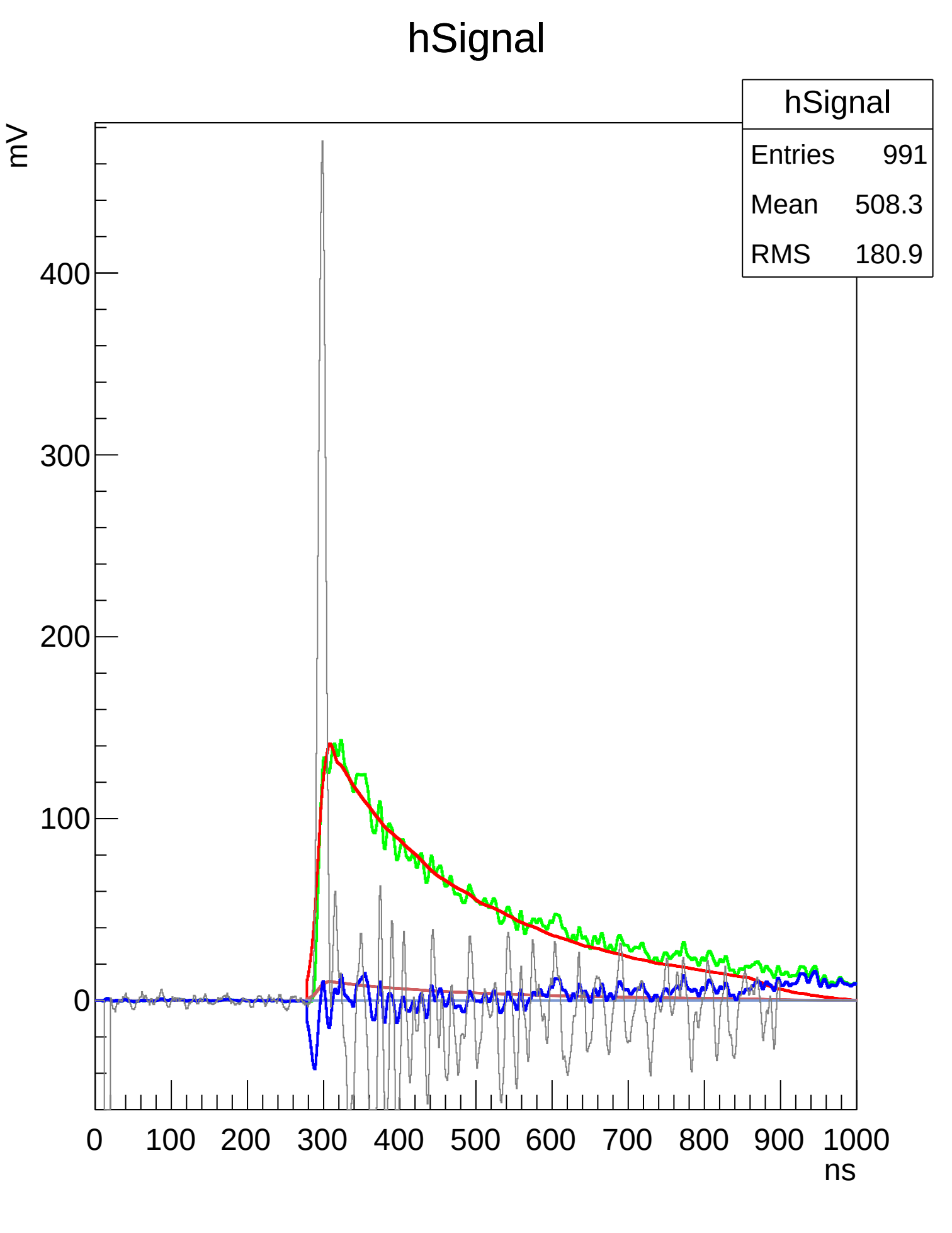

hSignal
hSignal
Entries 991
Mean 516.6
RMS 171.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

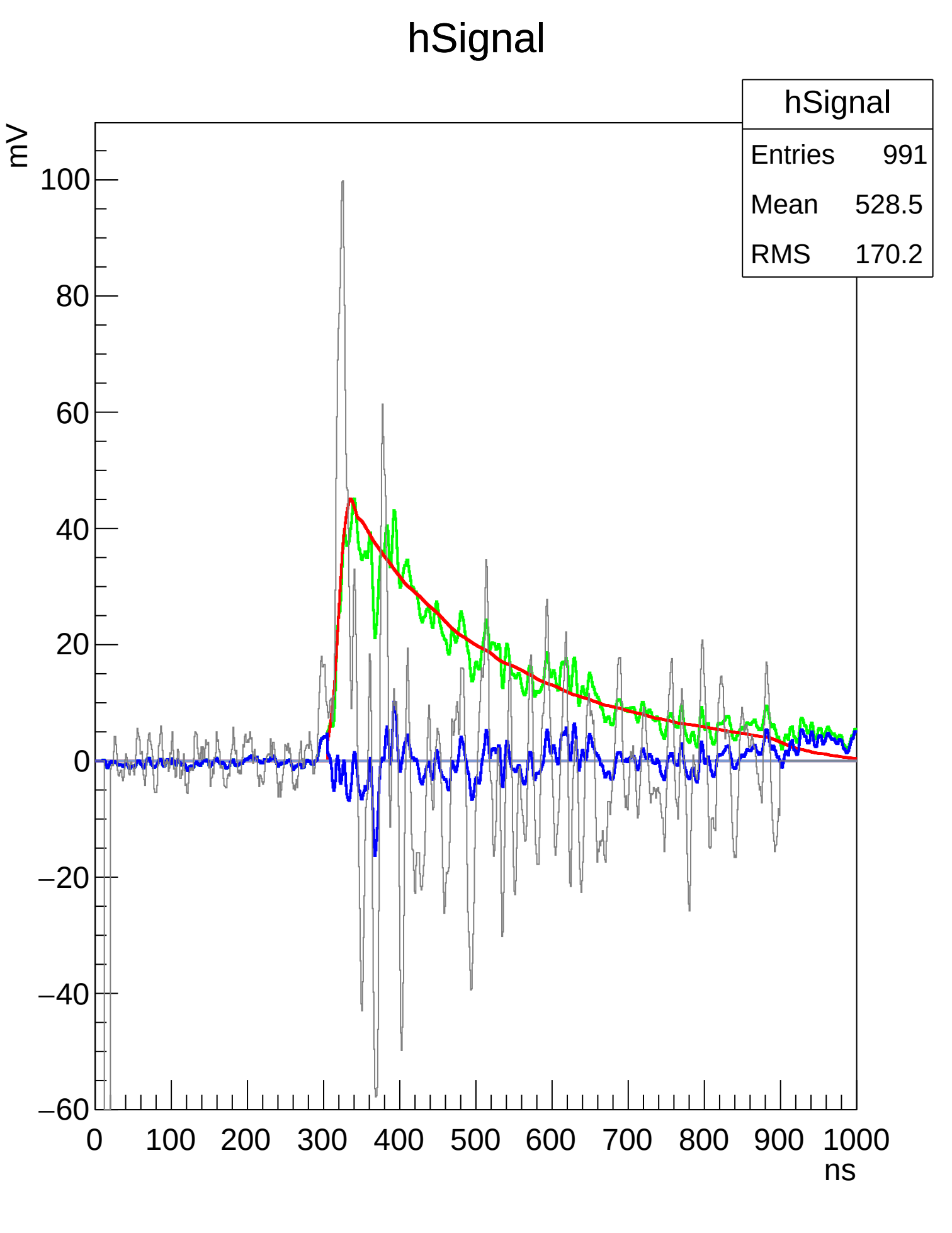

hSignal
hSignal
Entries 991
Mean 578.3
RMS 155.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

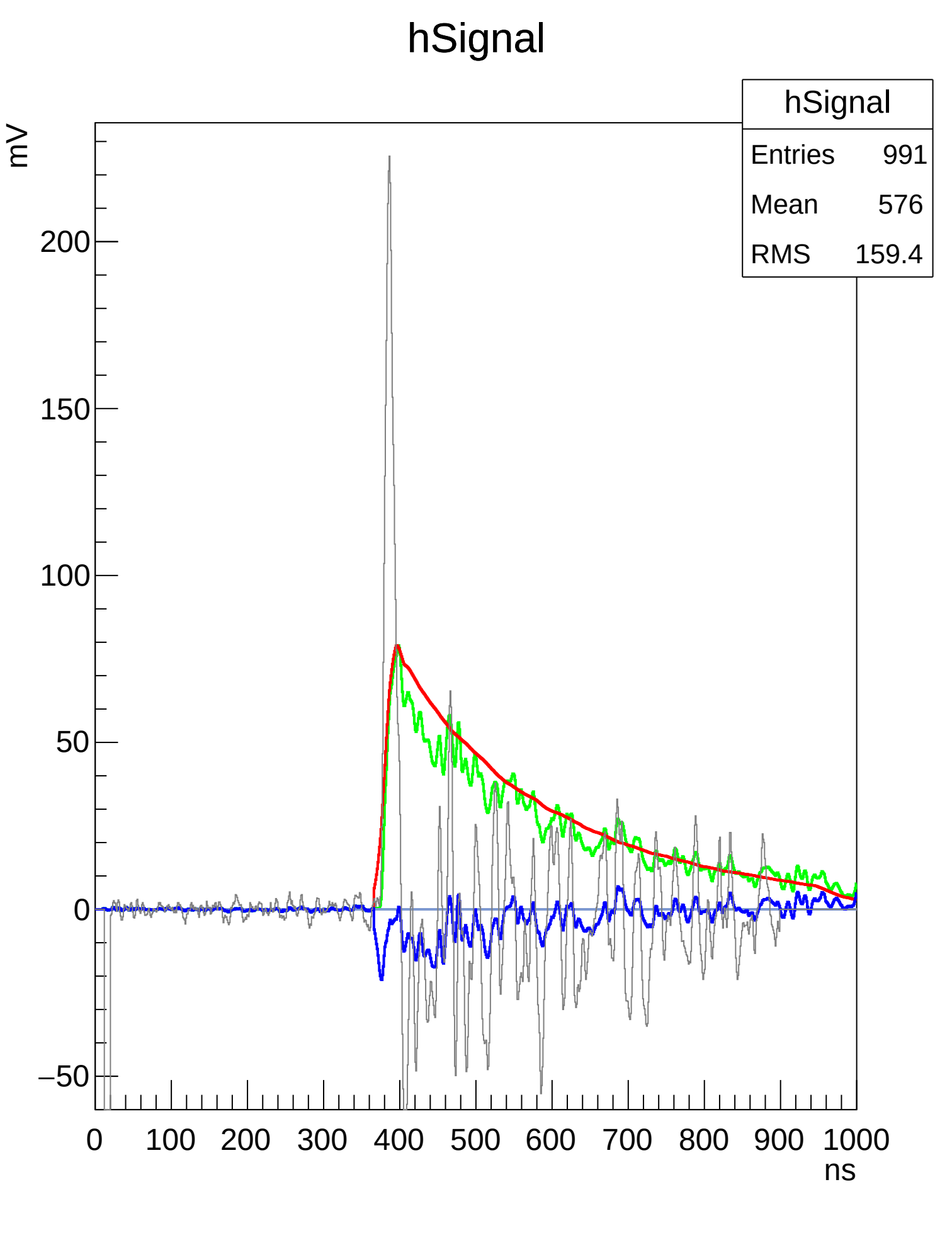

hSignal
hSignal
Entries 991
Mean 579
RMS 130.5
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

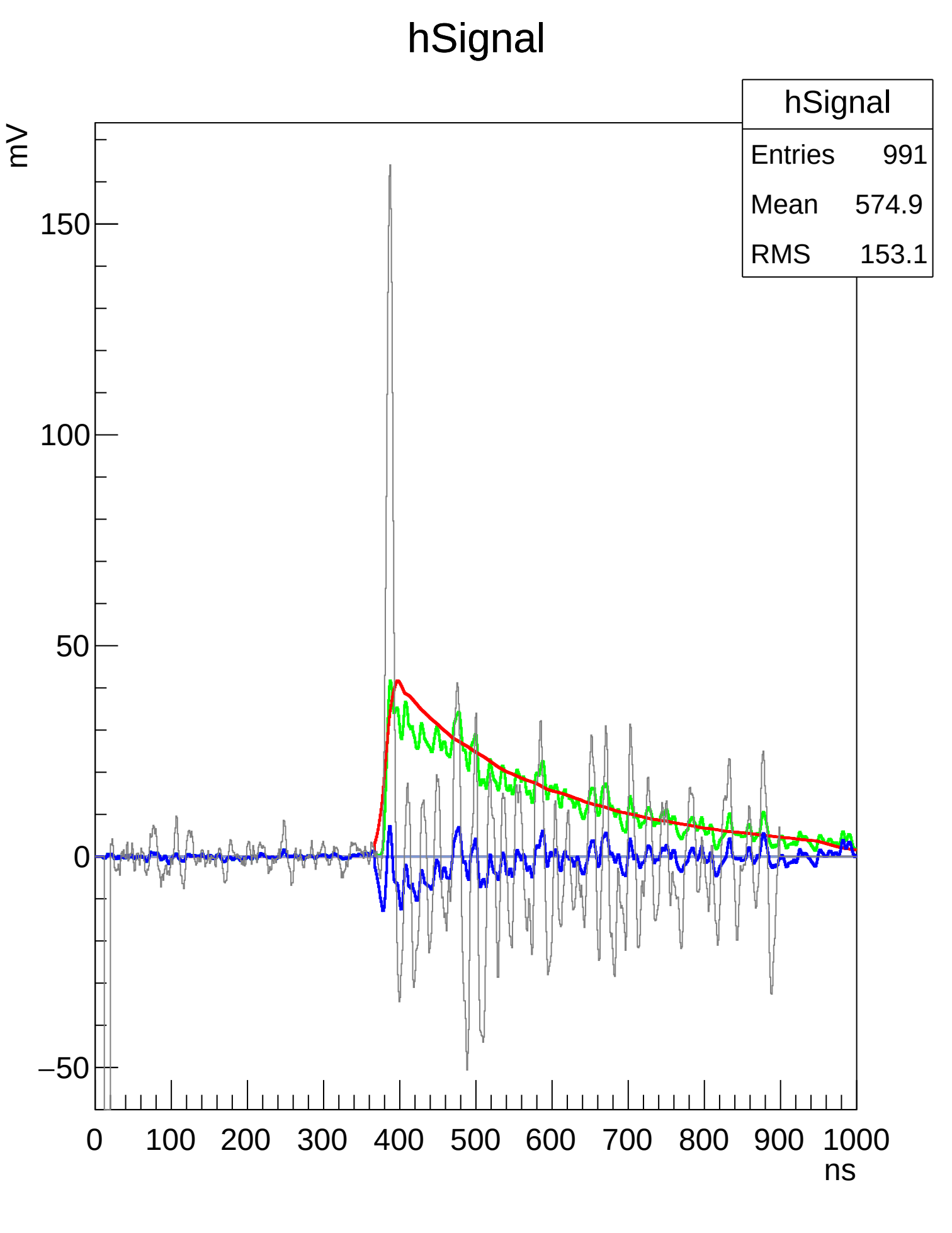

hSignal
hSignal
Entries 991
Mean 577.9
RMS 137.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

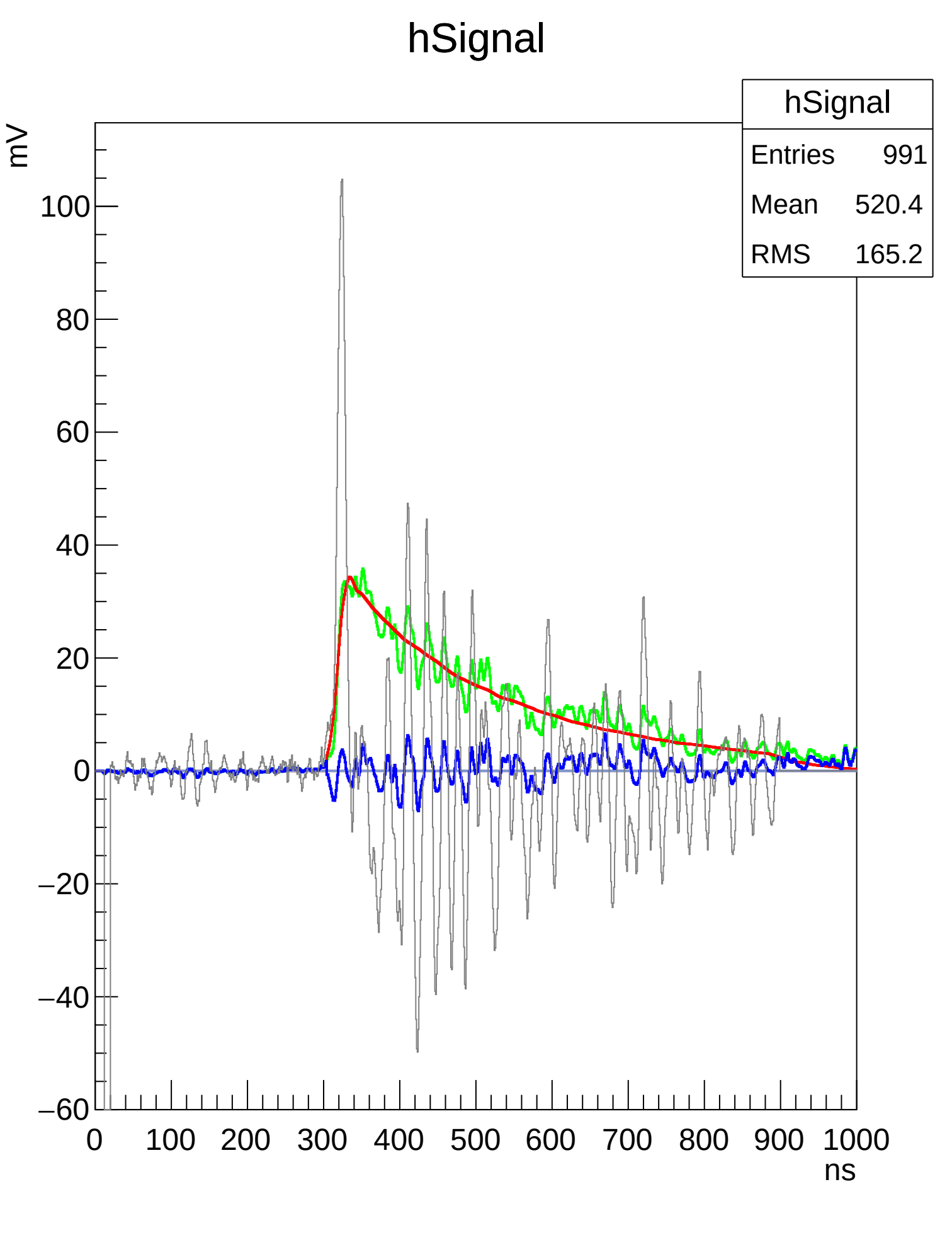

hSignal
hSignal
Entries 991
Mean 571.6
RMS 148.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

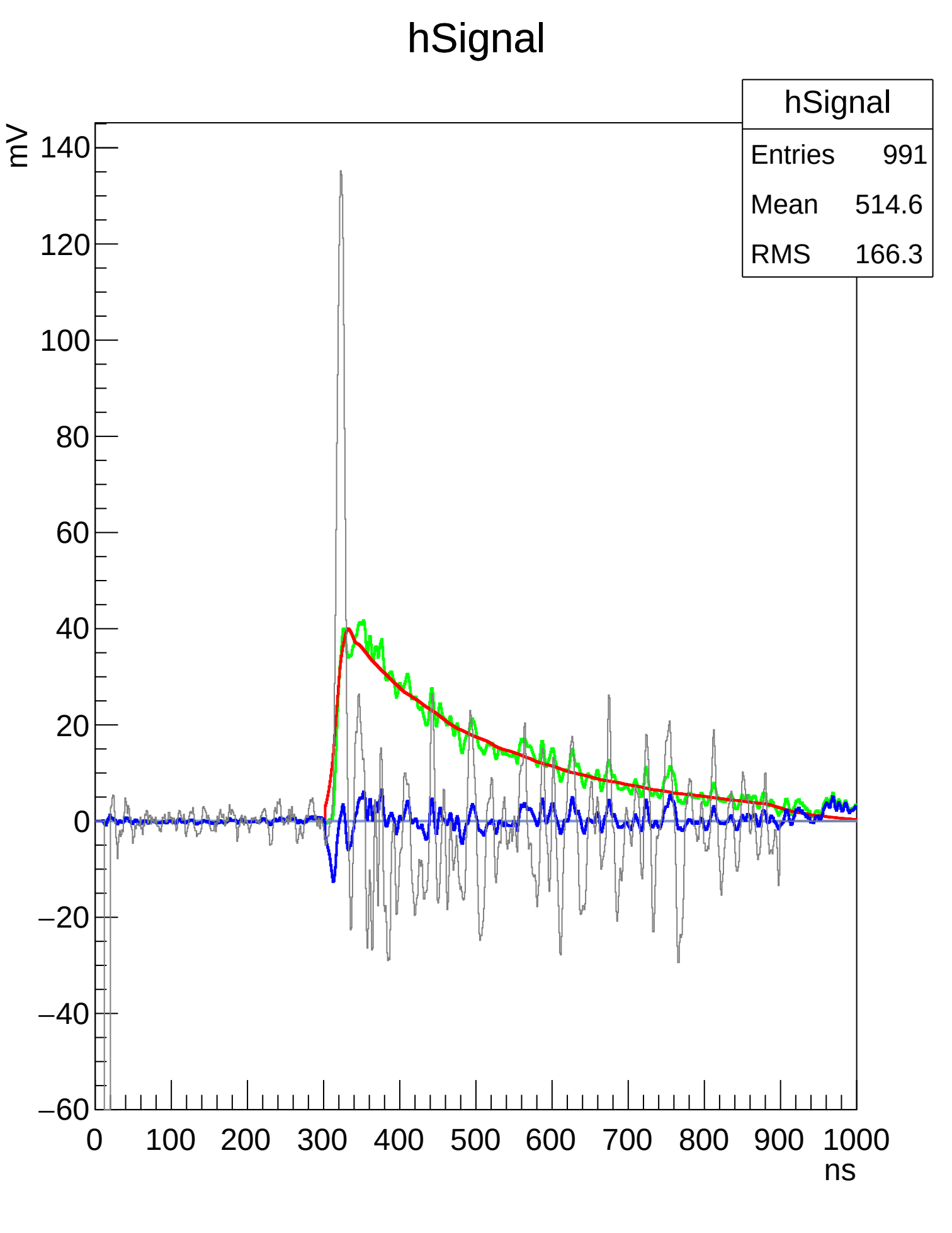

hSignal
hSignal
Entries 991
Mean 508.3
RMS 180.9
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

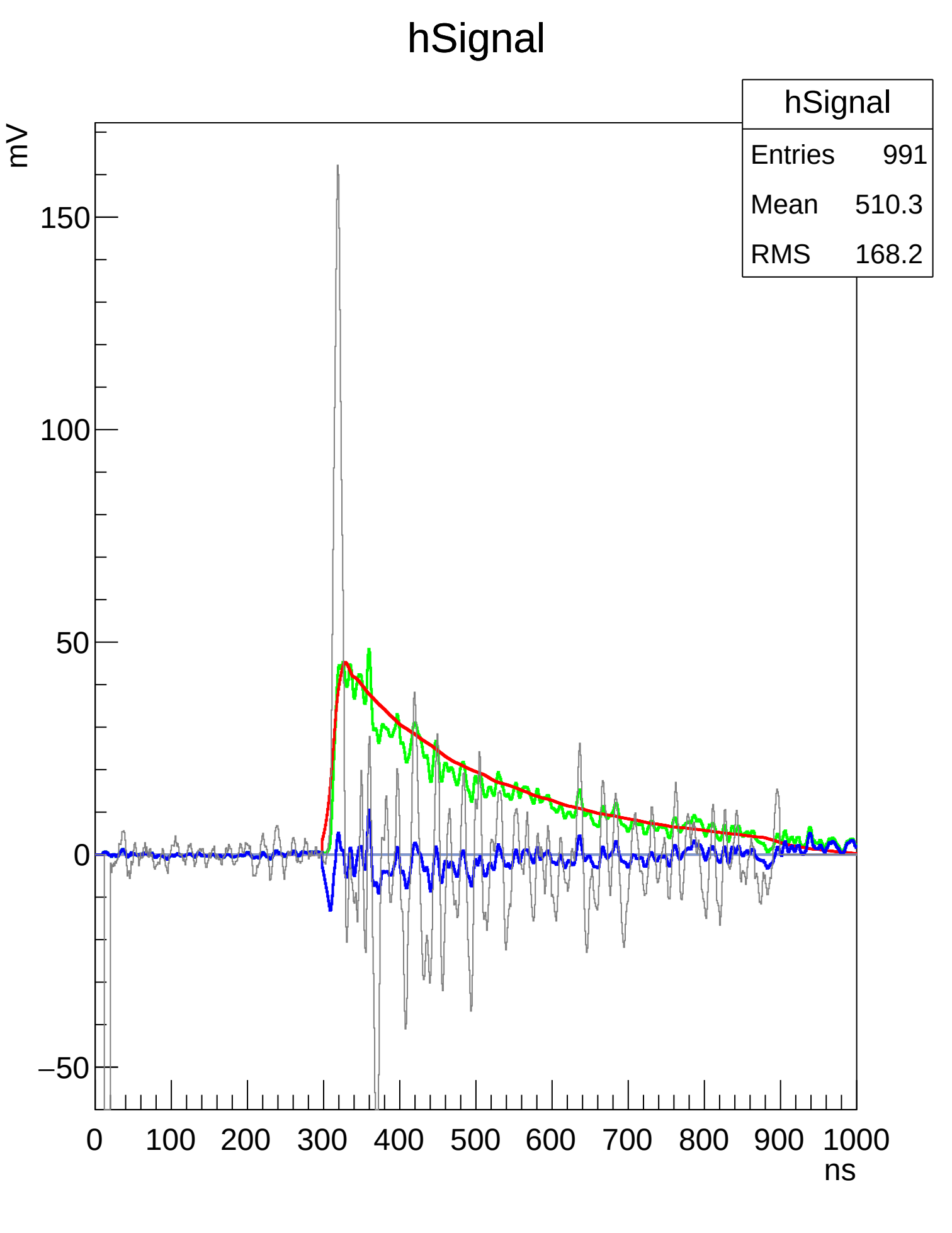

hSignal
hSignal
Entries 991
Mean 528.5
RMS 170.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

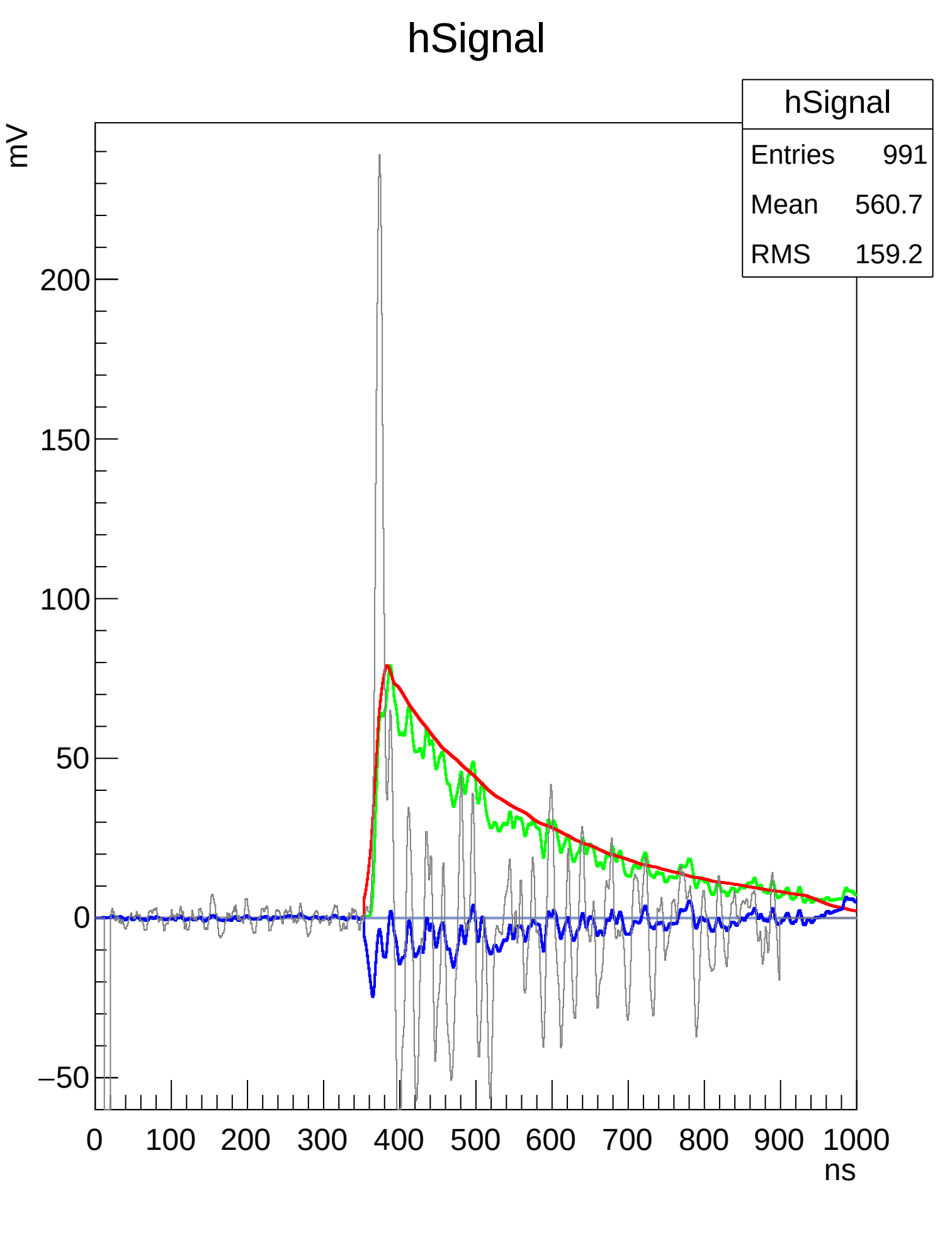

hSignal
hSignal
Entries 991
Mean 576
RMS 159.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

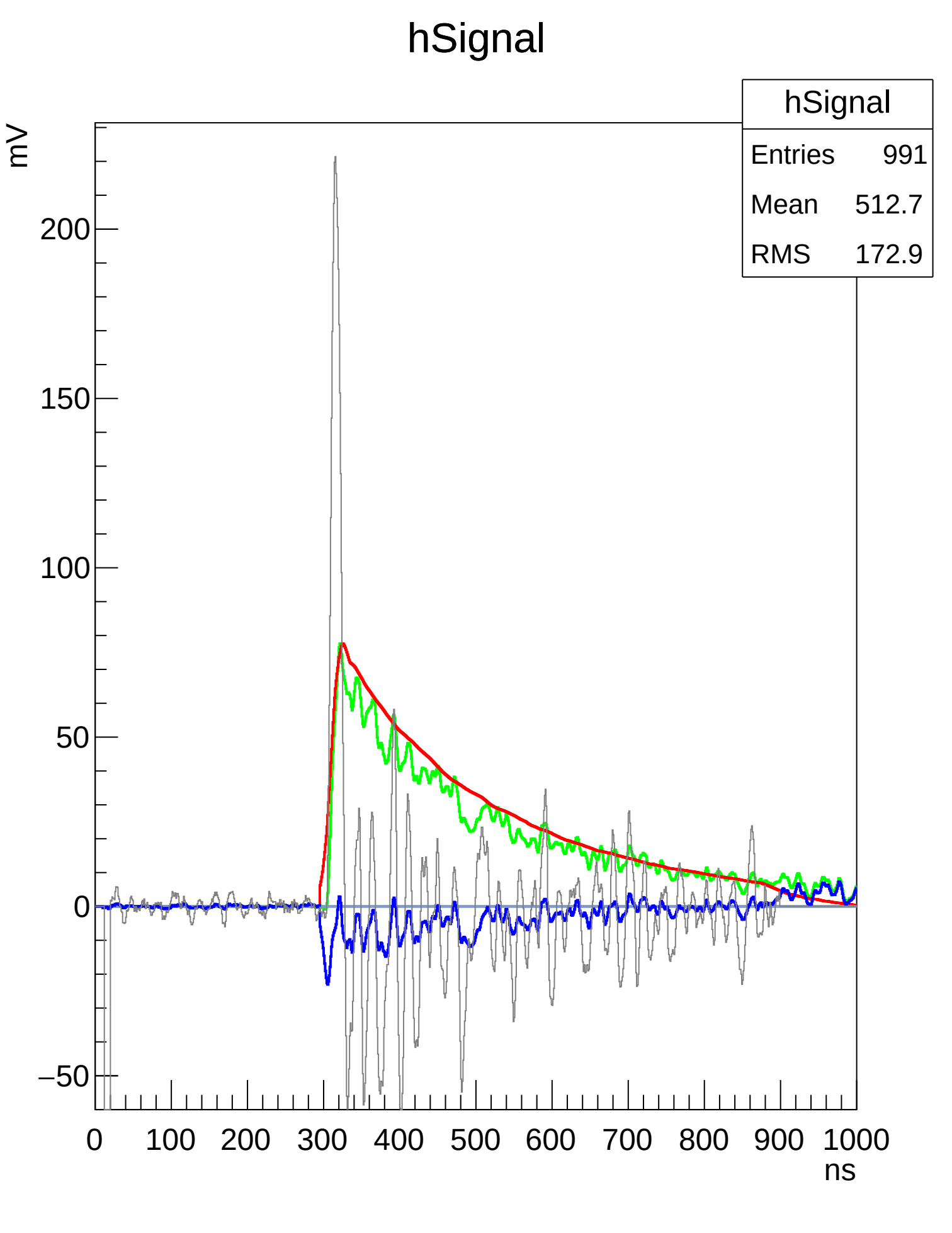

hSignal
hSignal
Entries 991
Mean 574.9
RMS 153.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

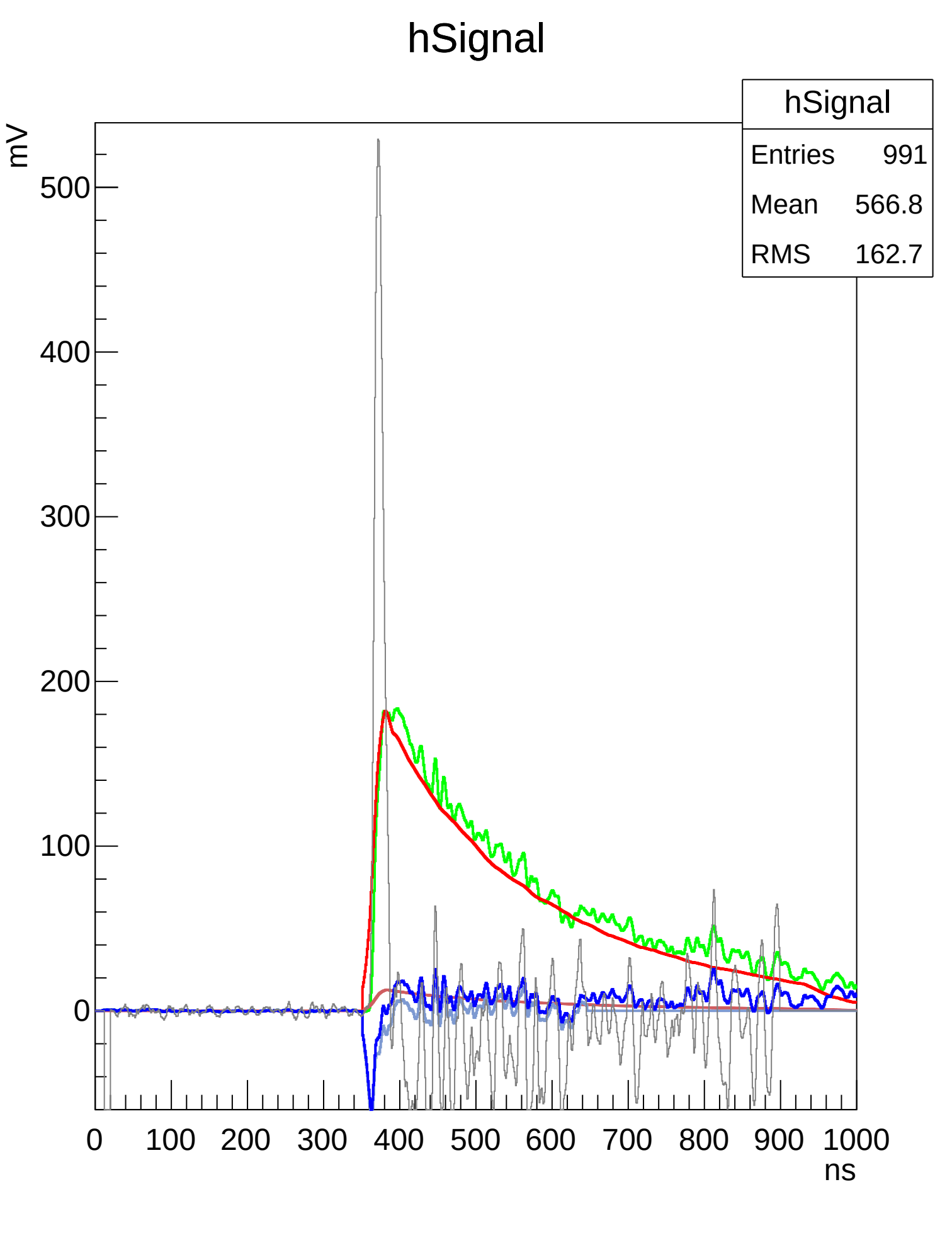

hSignal
hSignal
Entries 991
Mean 520.4
RMS 165.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

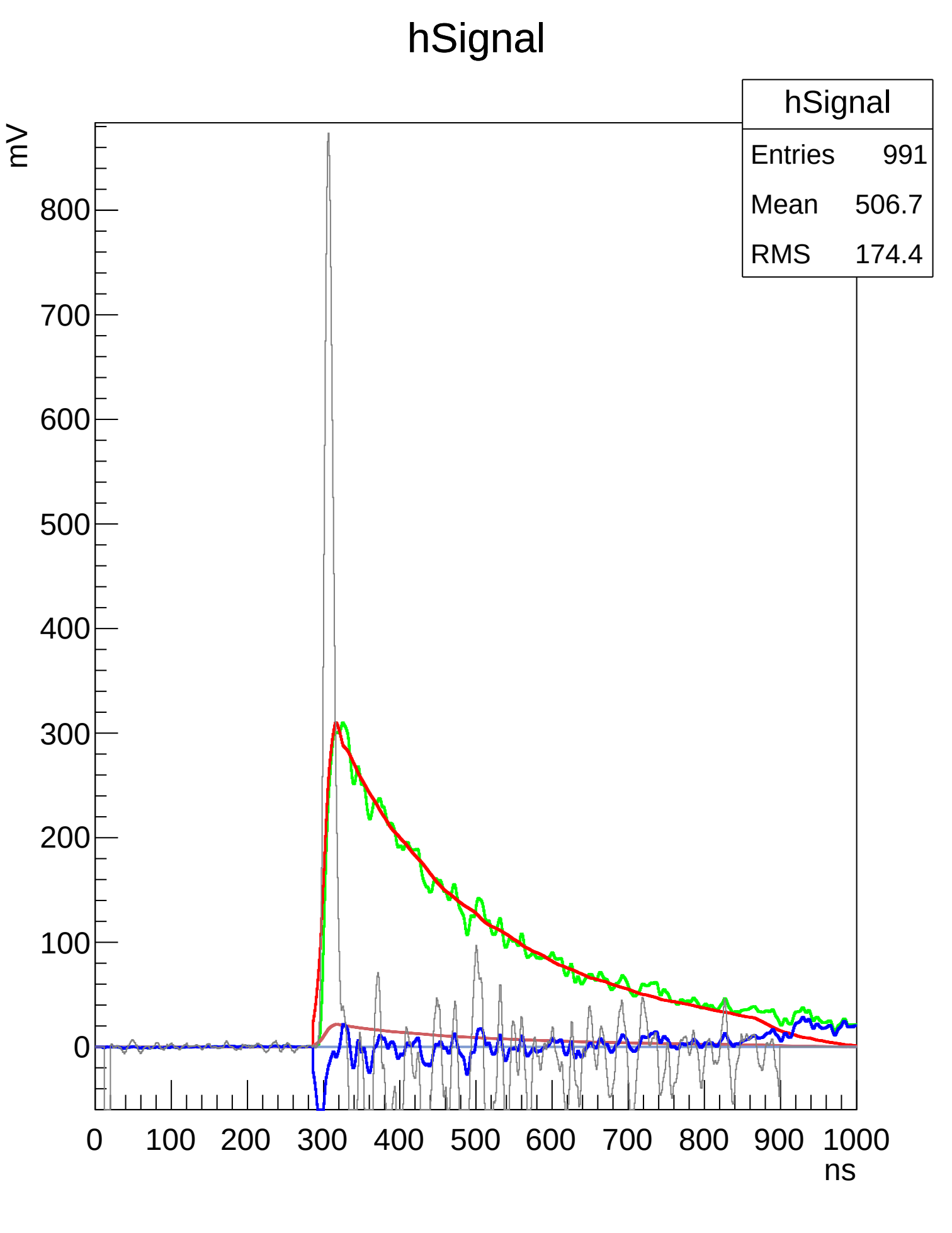

hSignal
hSignal
Entries 991
Mean 514.6
RMS 166.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

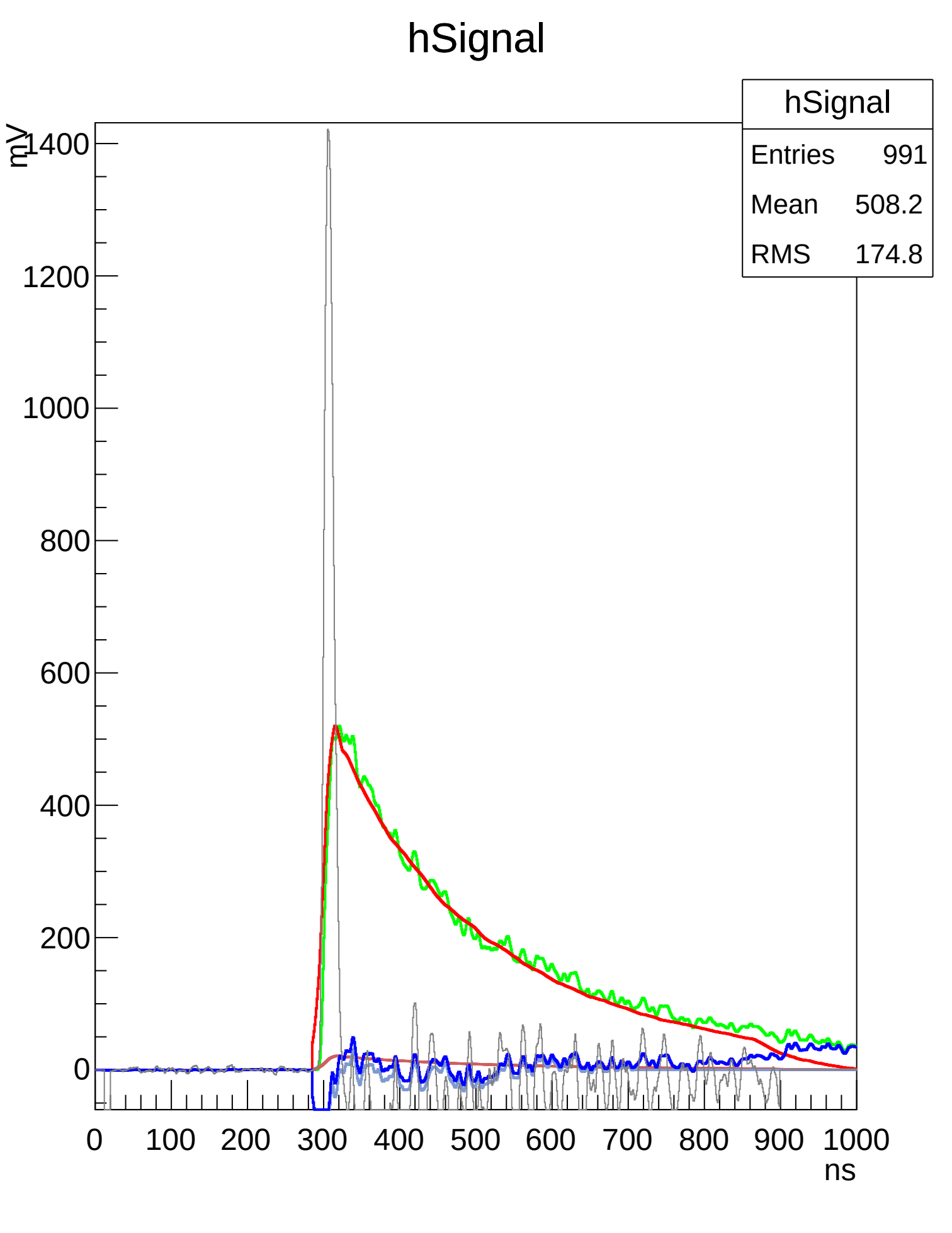

hSignal
hSignal
Entries 991
Mean 510.3
RMS 168.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

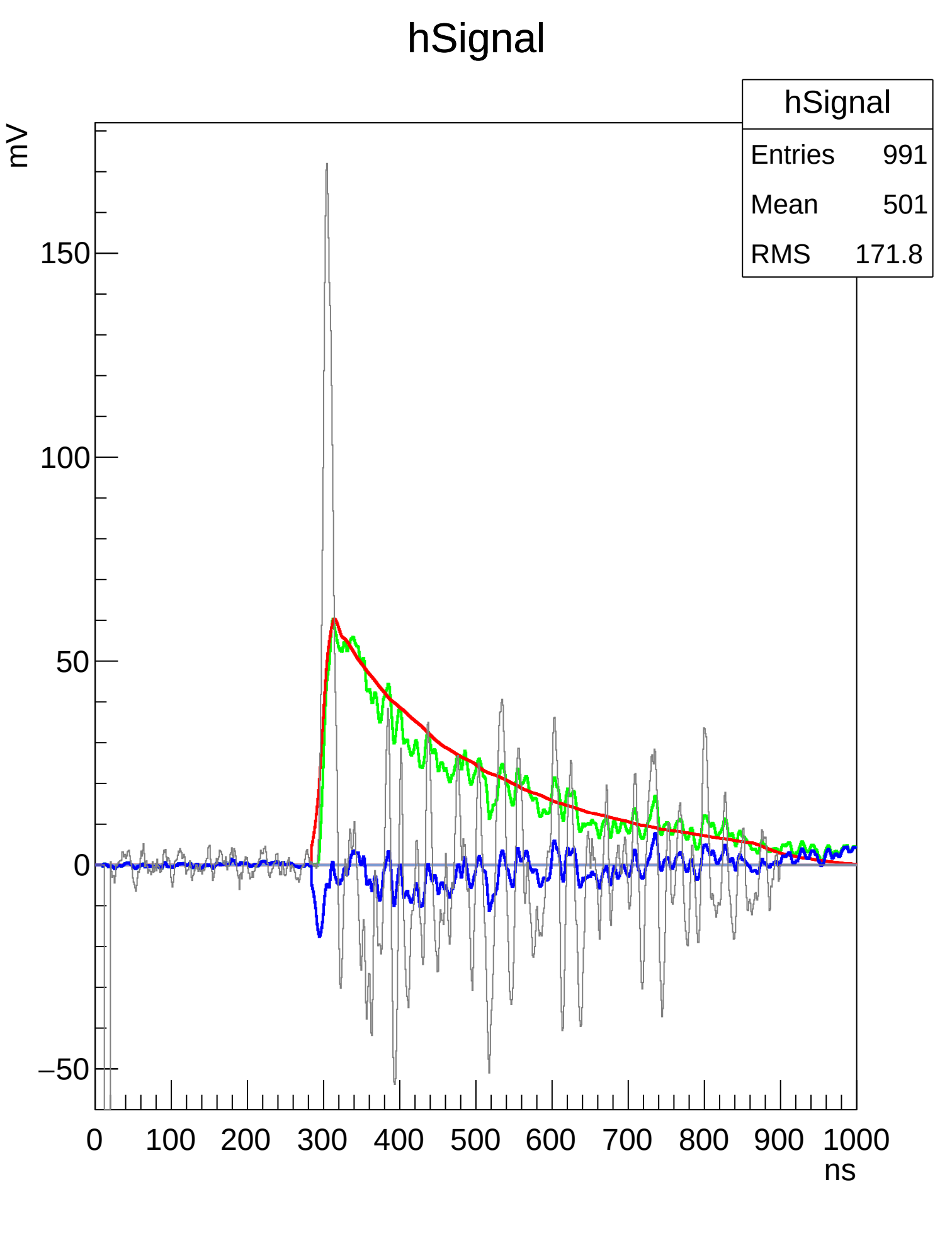

hSignal
hSignal
Entries 991
Mean 560.7
RMS 159.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

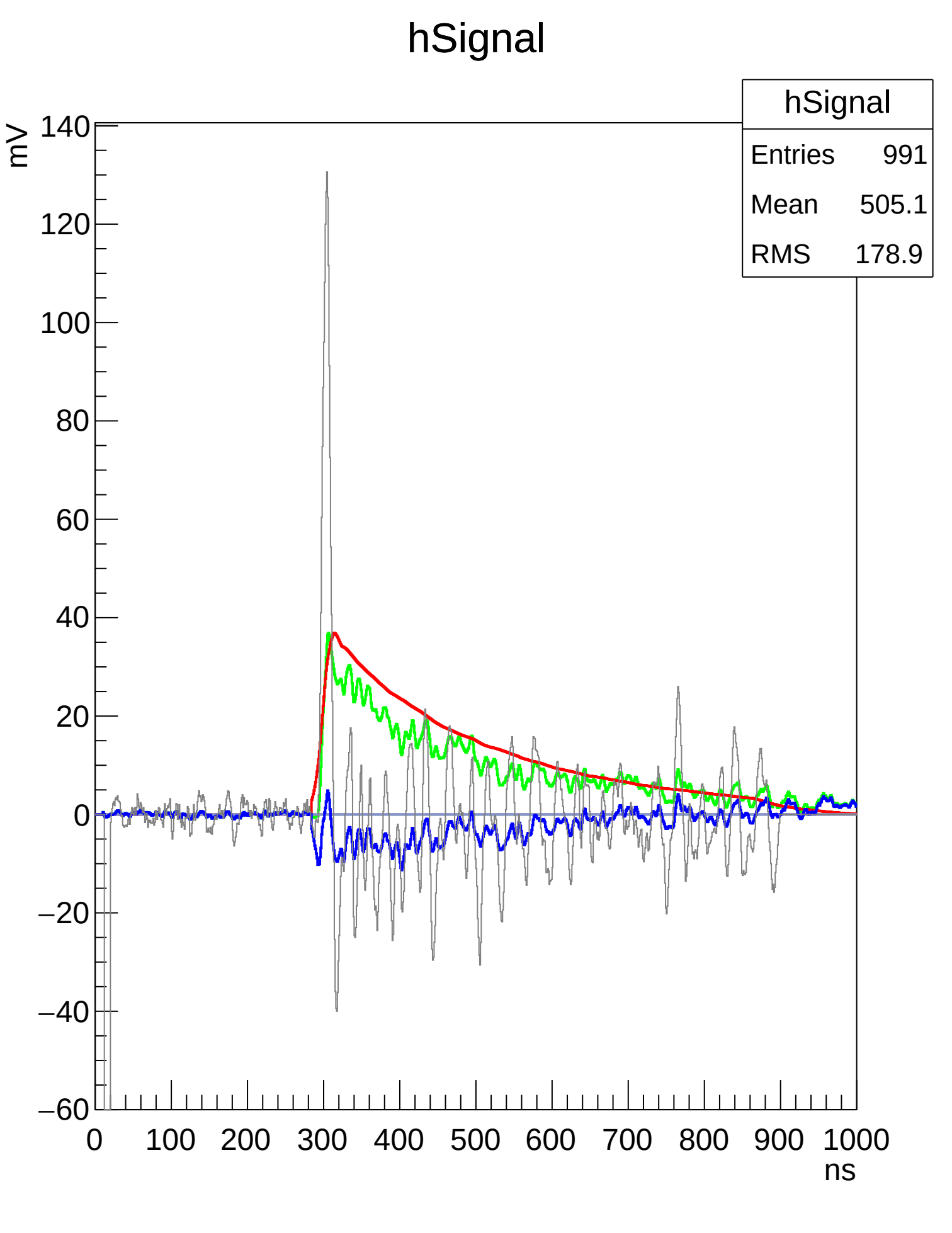

hSignal
hSignal
Entries 991
Mean 512.7
RMS 172.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

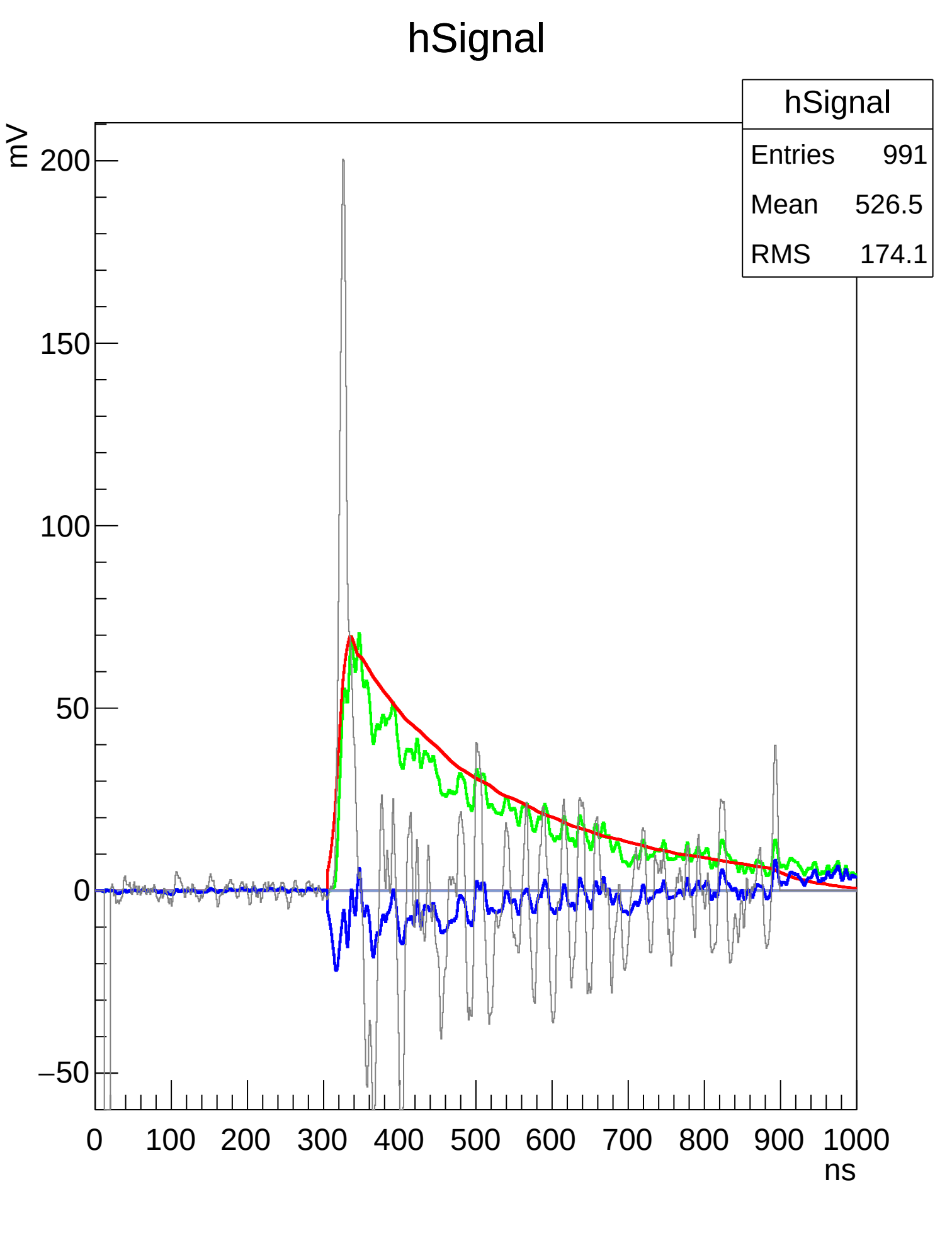

hSignal
hSignal
Entries 991
Mean 566.8
RMS 162.7
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

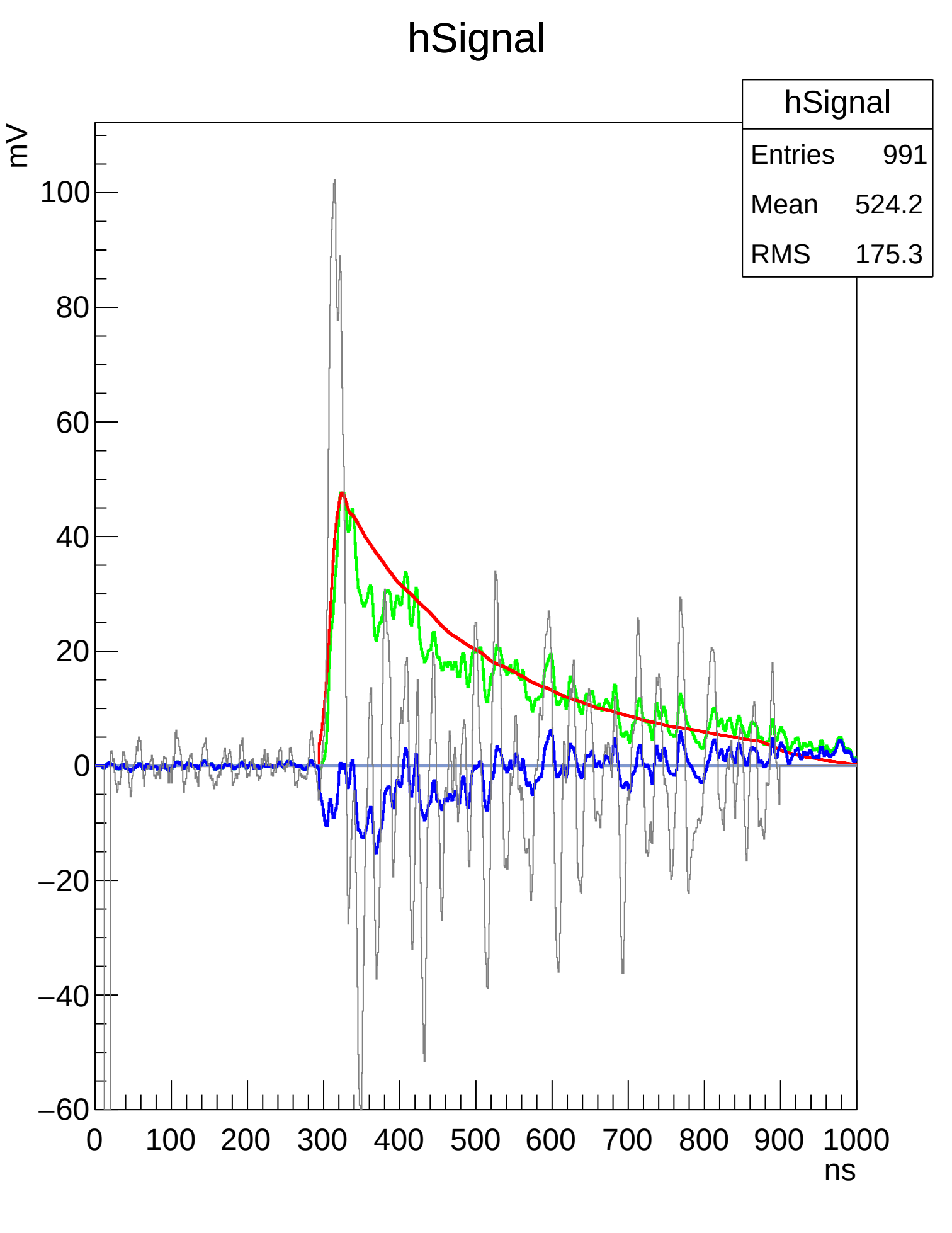

hSignal
hSignal
Entries 991
Mean 506.7
RMS 174.4
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

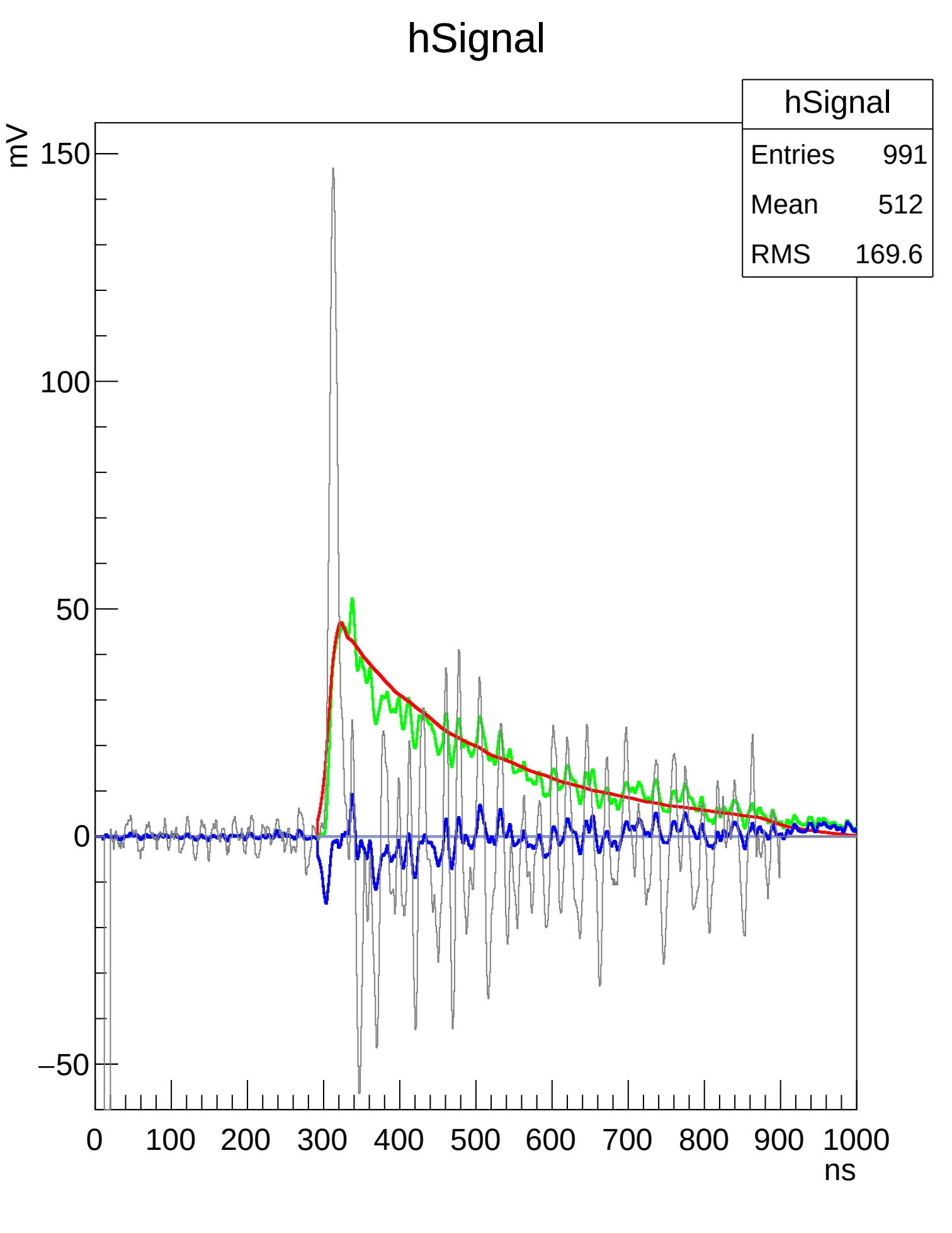

hSignal
hSignal
Entries 991
Mean 508.2
RMS 174.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

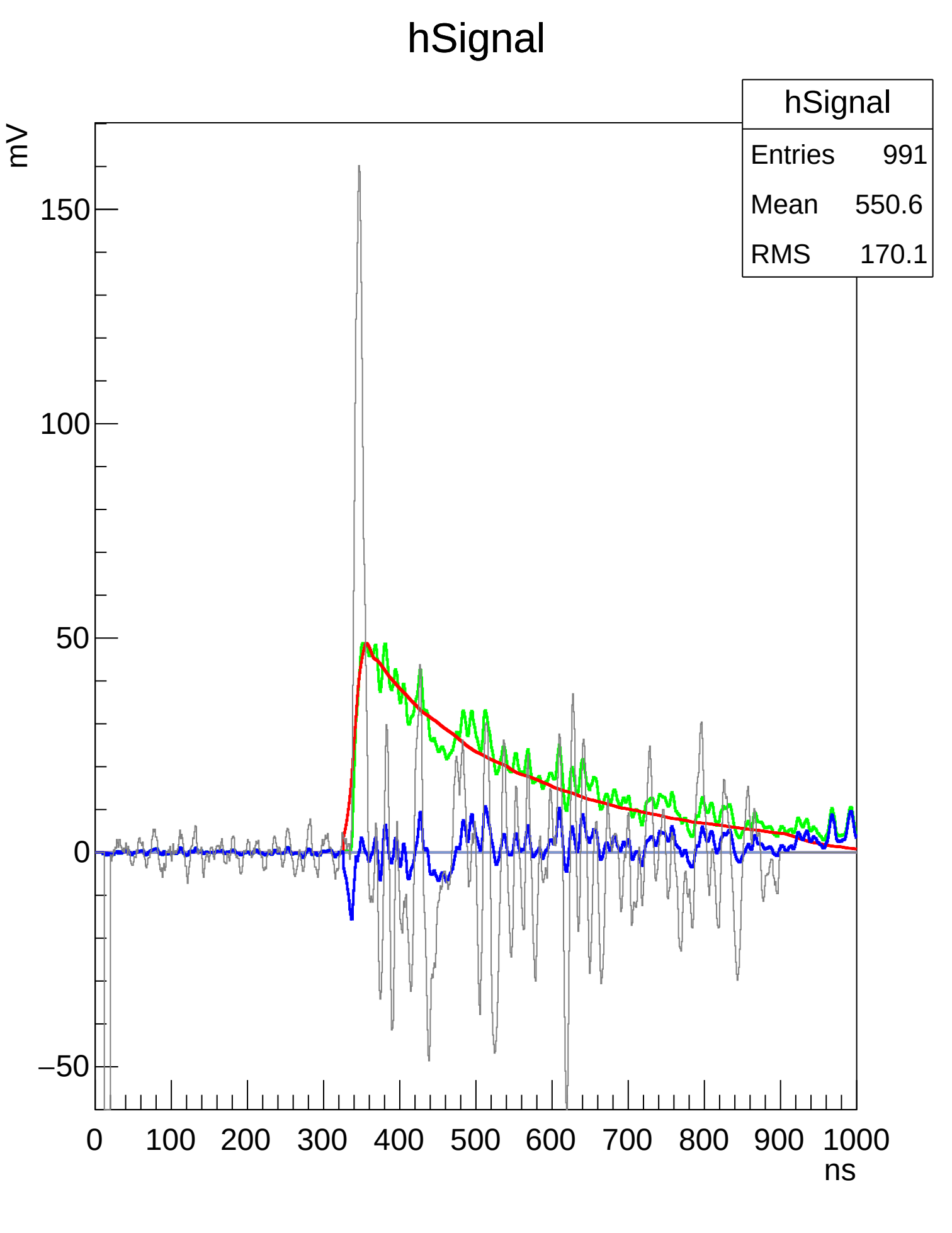

hSignal
hSignal
Entries 991
Mean 501
RMS 171.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

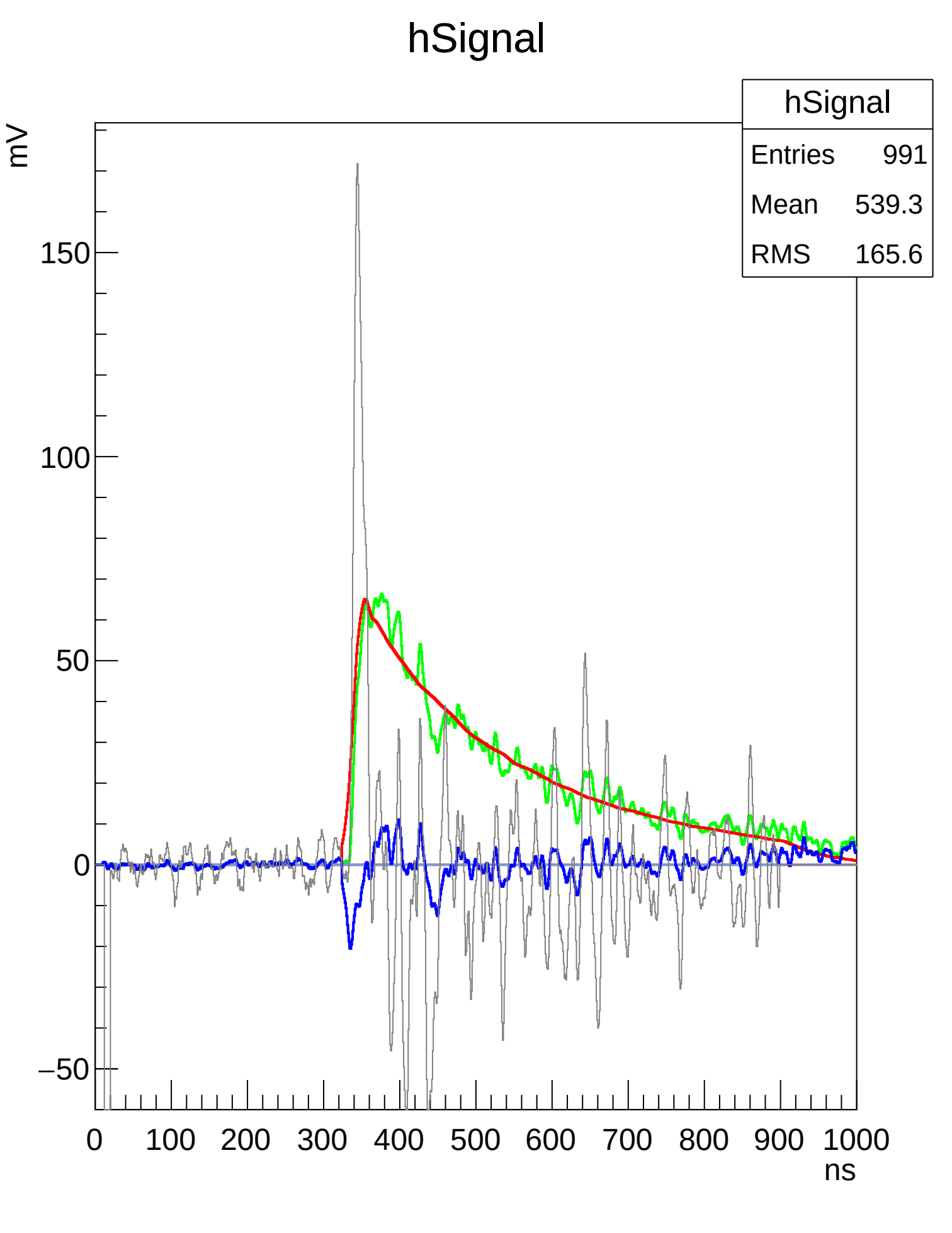

hSignal
hSignal
Entries 991
Mean 505.1
RMS 178.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

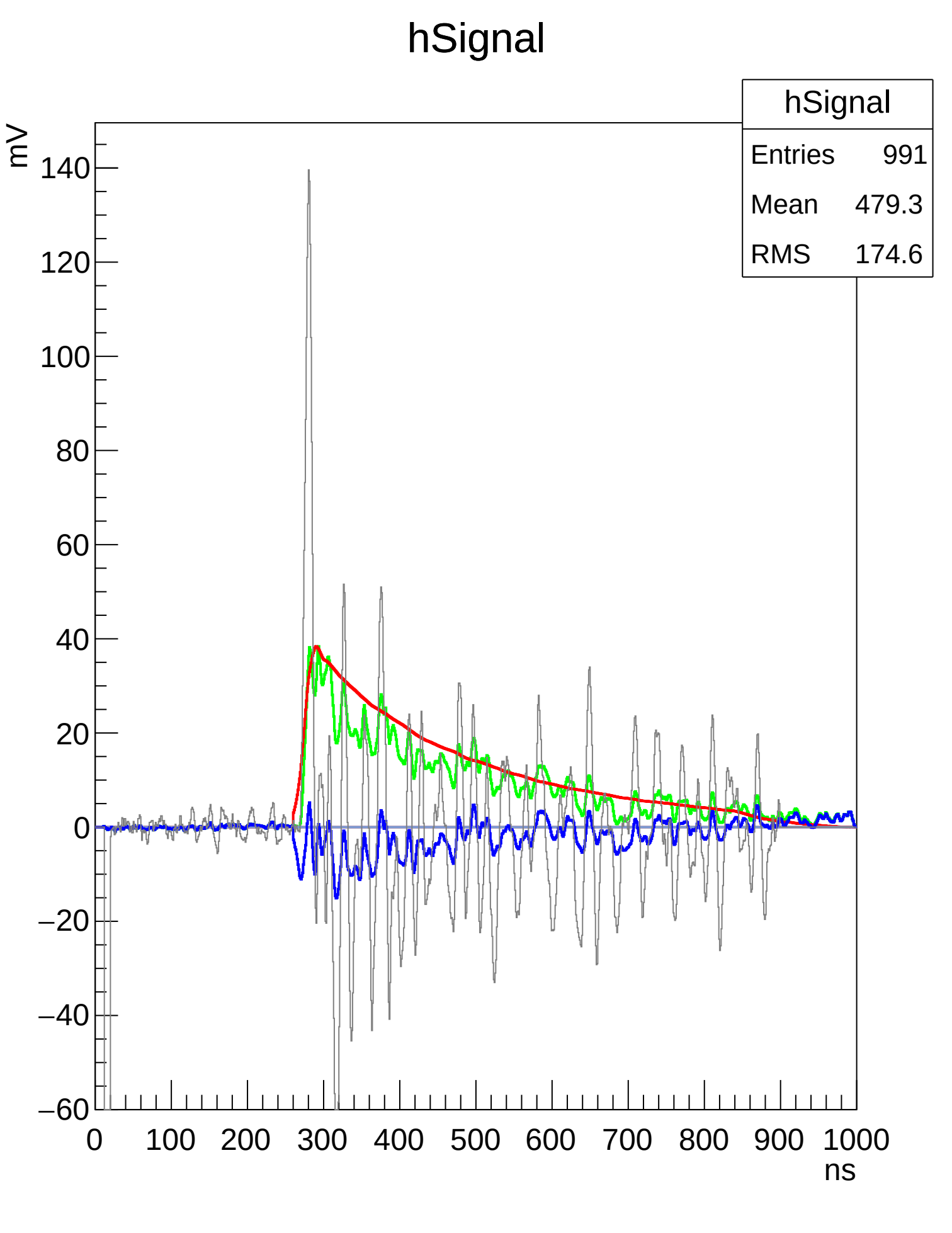

hSignal
hSignal
Entries 991
Mean 526.5
RMS 174.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

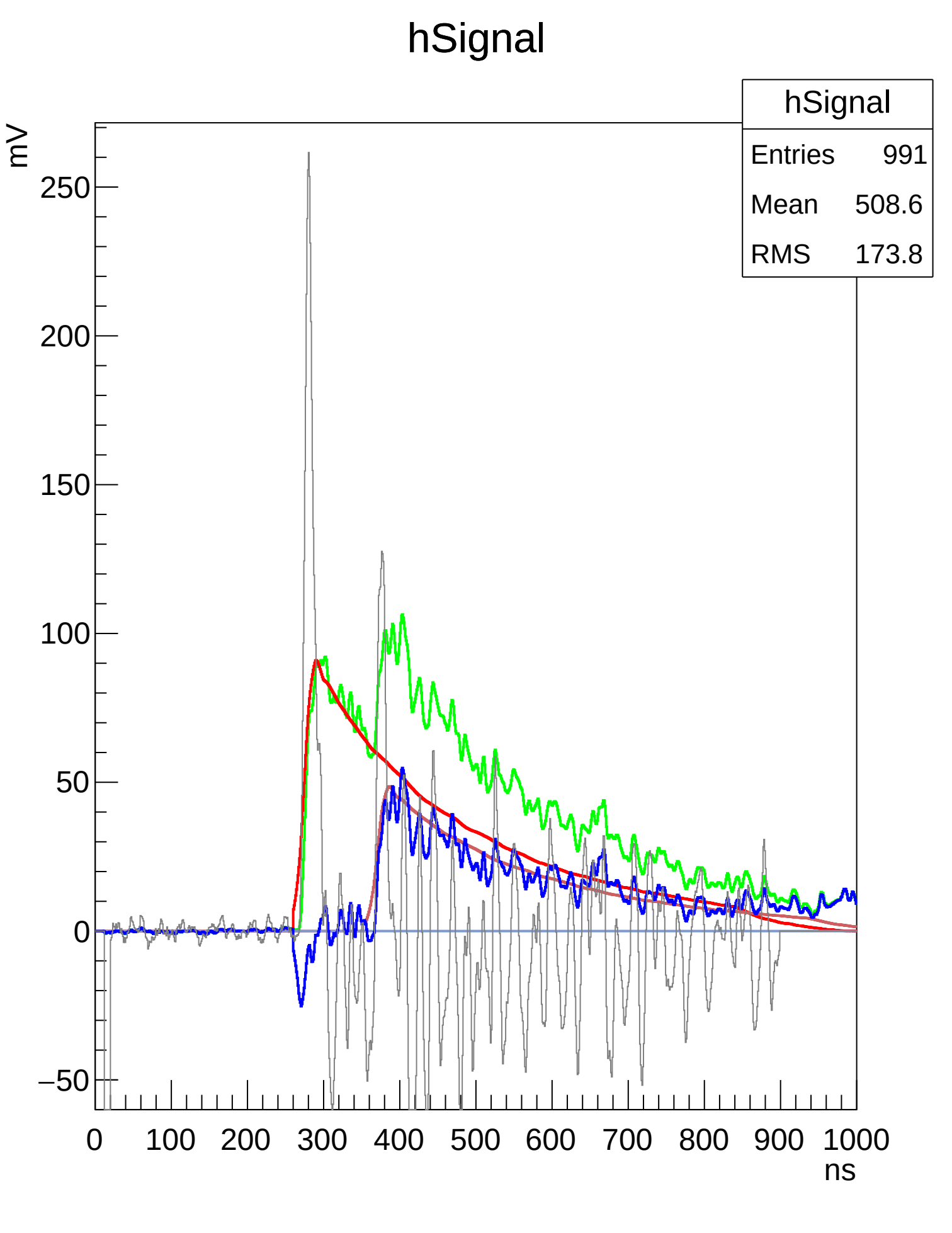

hSignal
hSignal
Entries 991
Mean 524.2
RMS 175.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

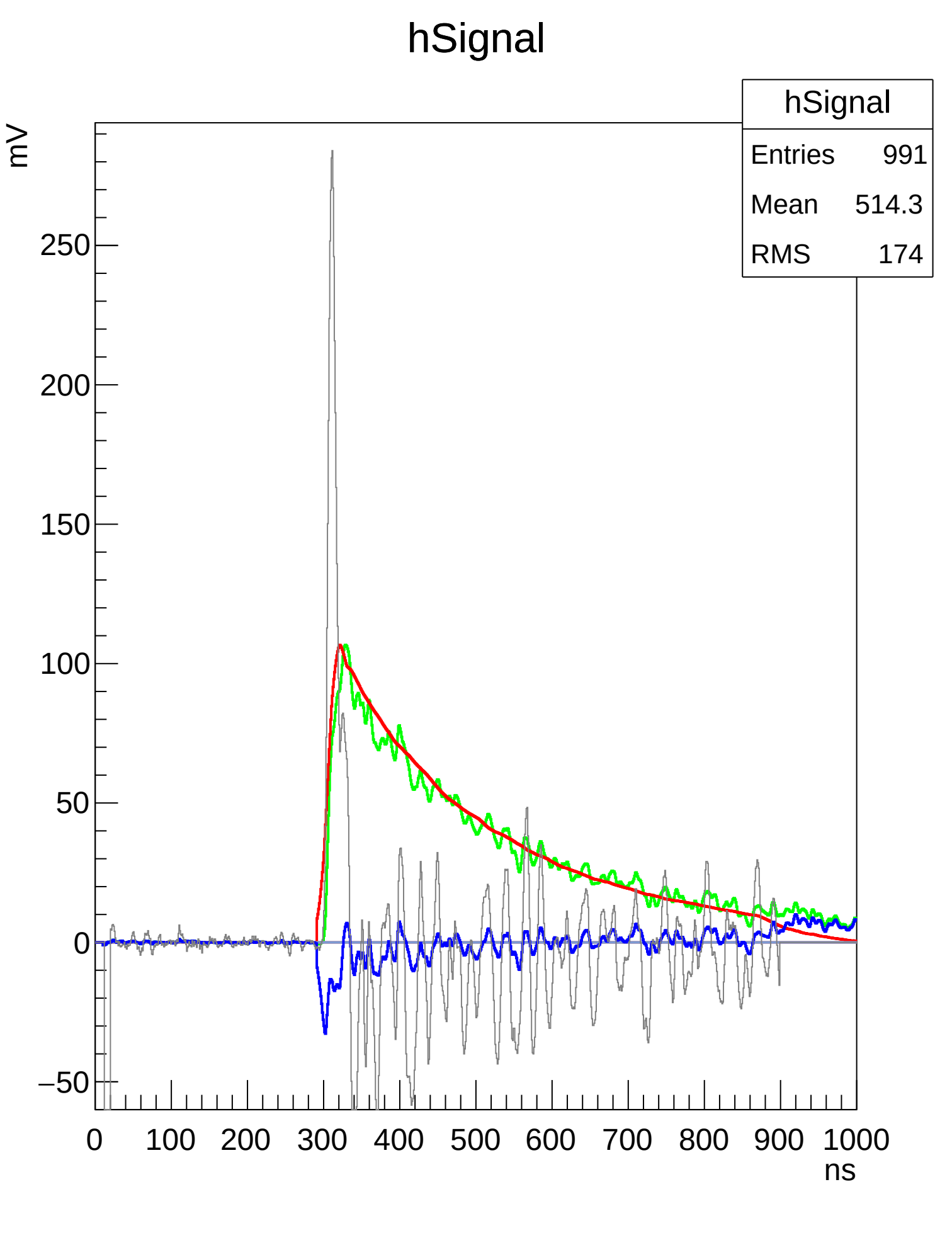

hSignal
hSignal
Entries 991
Mean 512
RMS 169.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

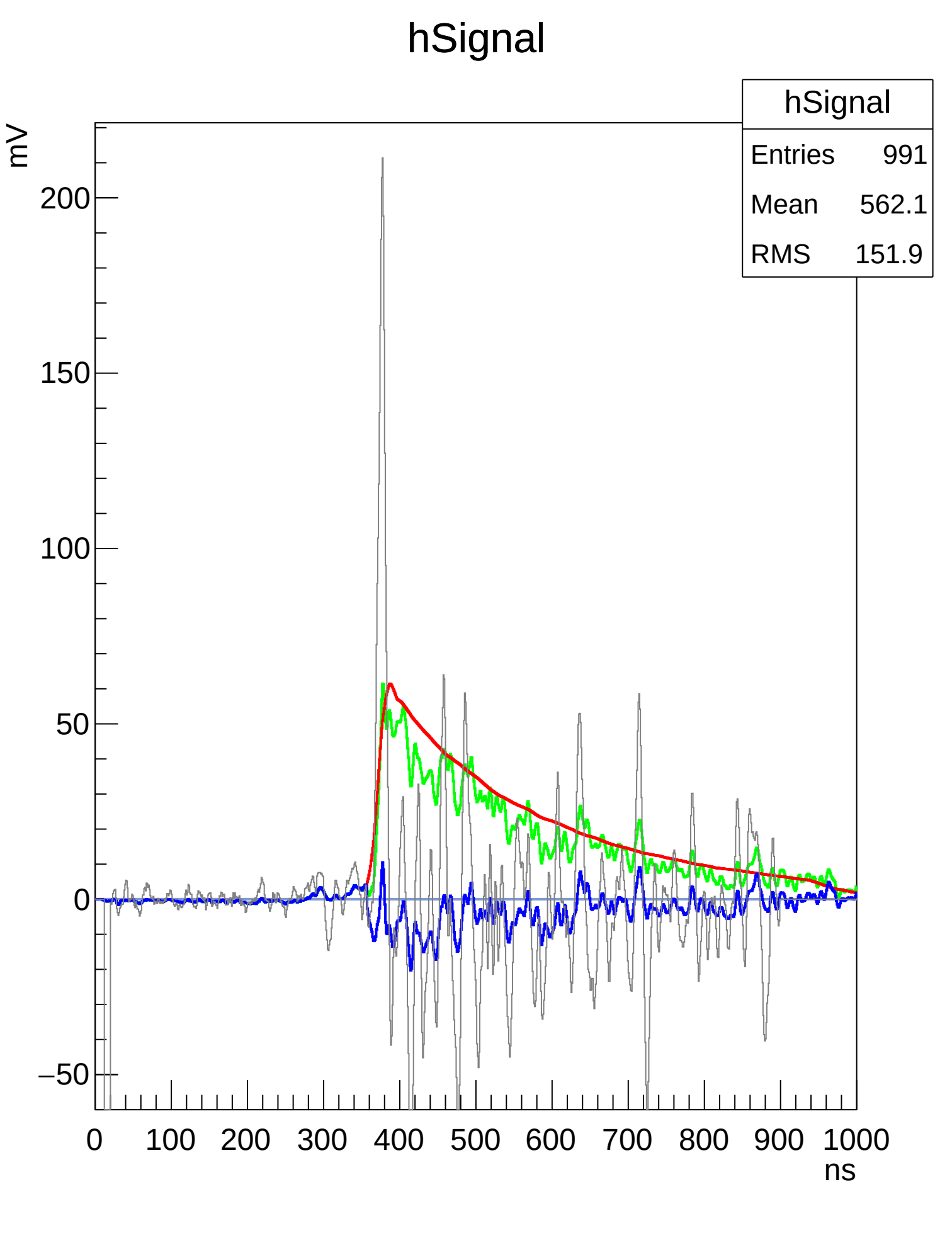

hSignal
hSignal
Entries 991
Mean 550.6
RMS 170.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

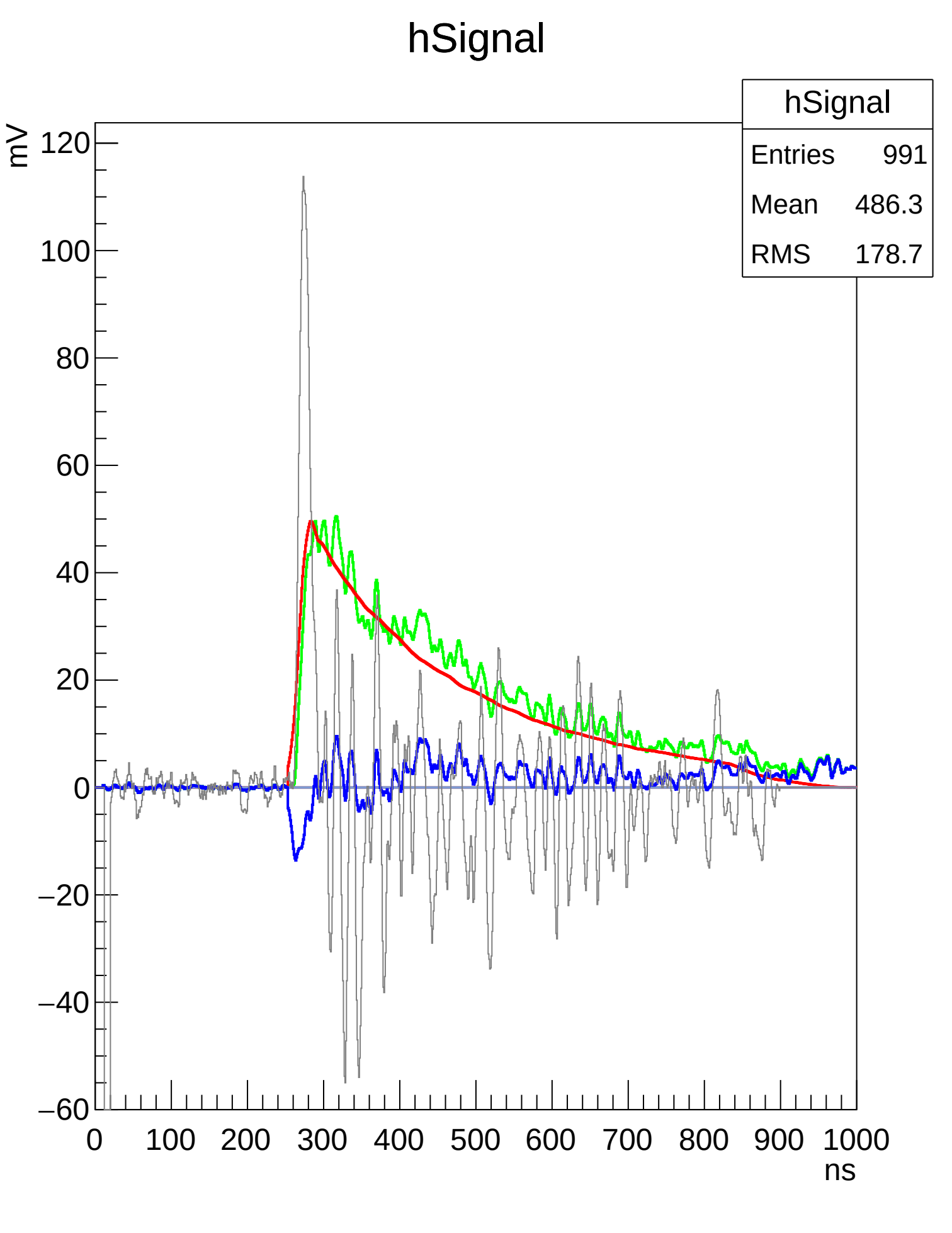

hSignal
hSignal
Entries 991
Mean 539.3
RMS 165.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

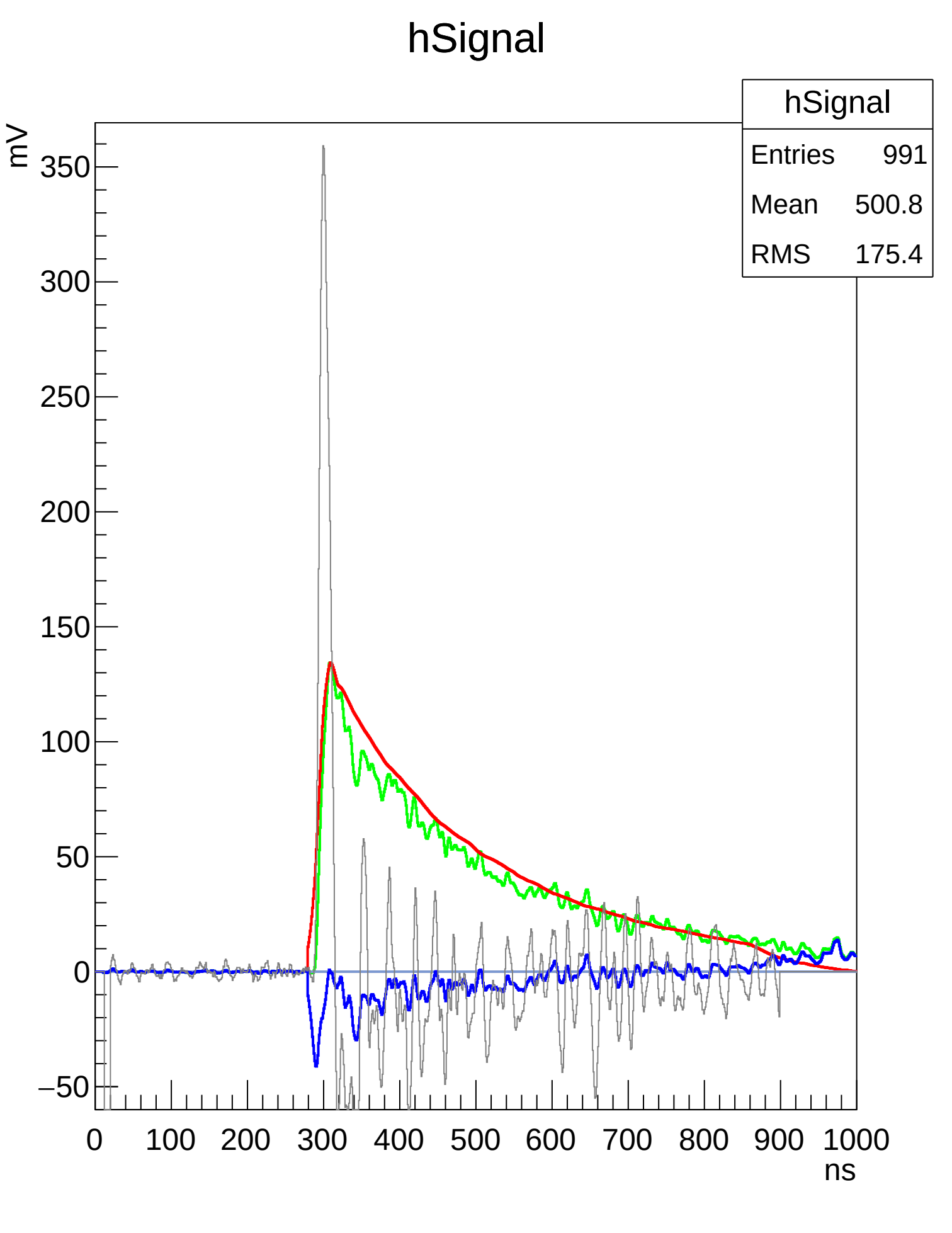

hSignal
hSignal
Entries 991
Mean 479.3
RMS 174.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

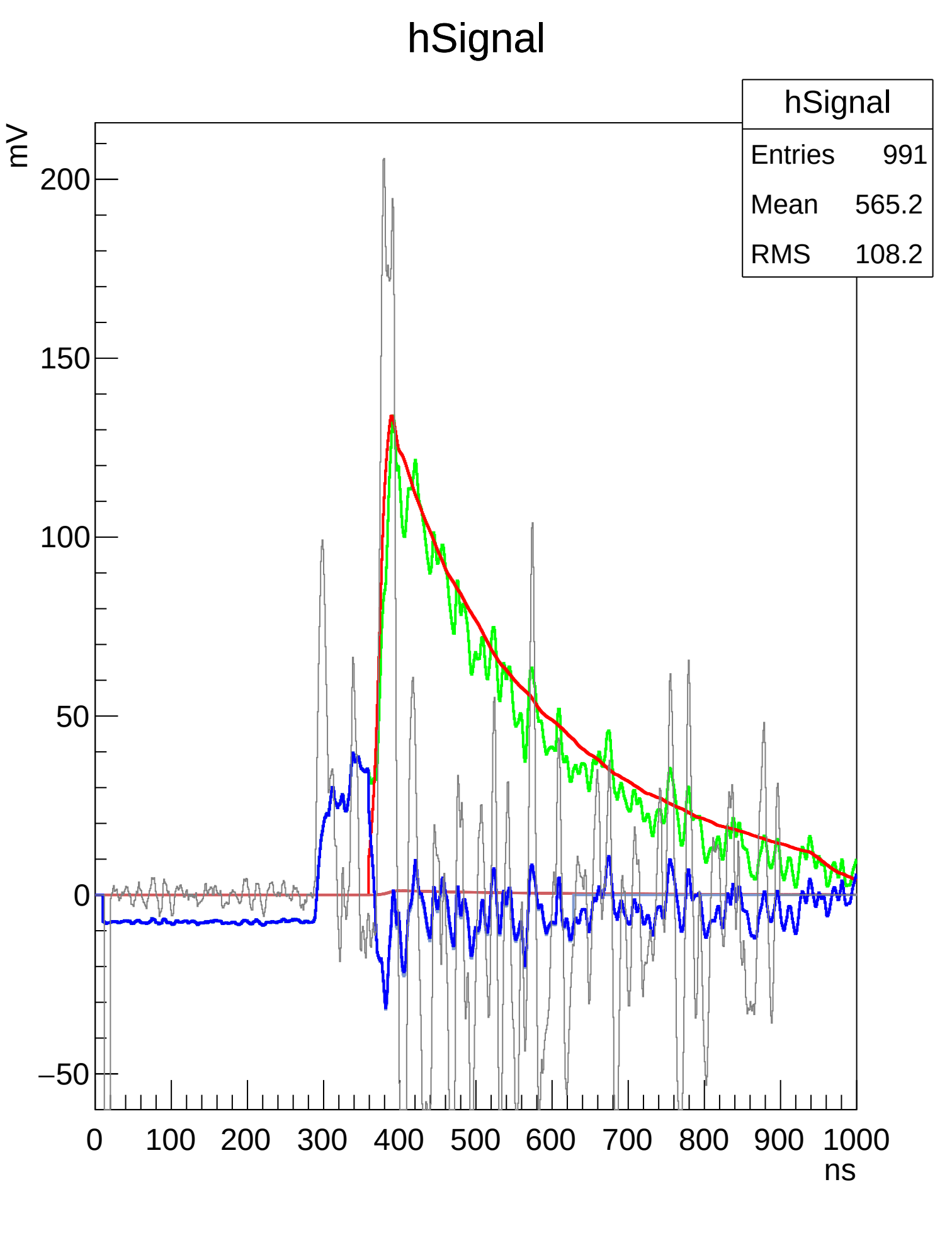

hSignal
hSignal
Entries 991
Mean 508.6
RMS 173.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

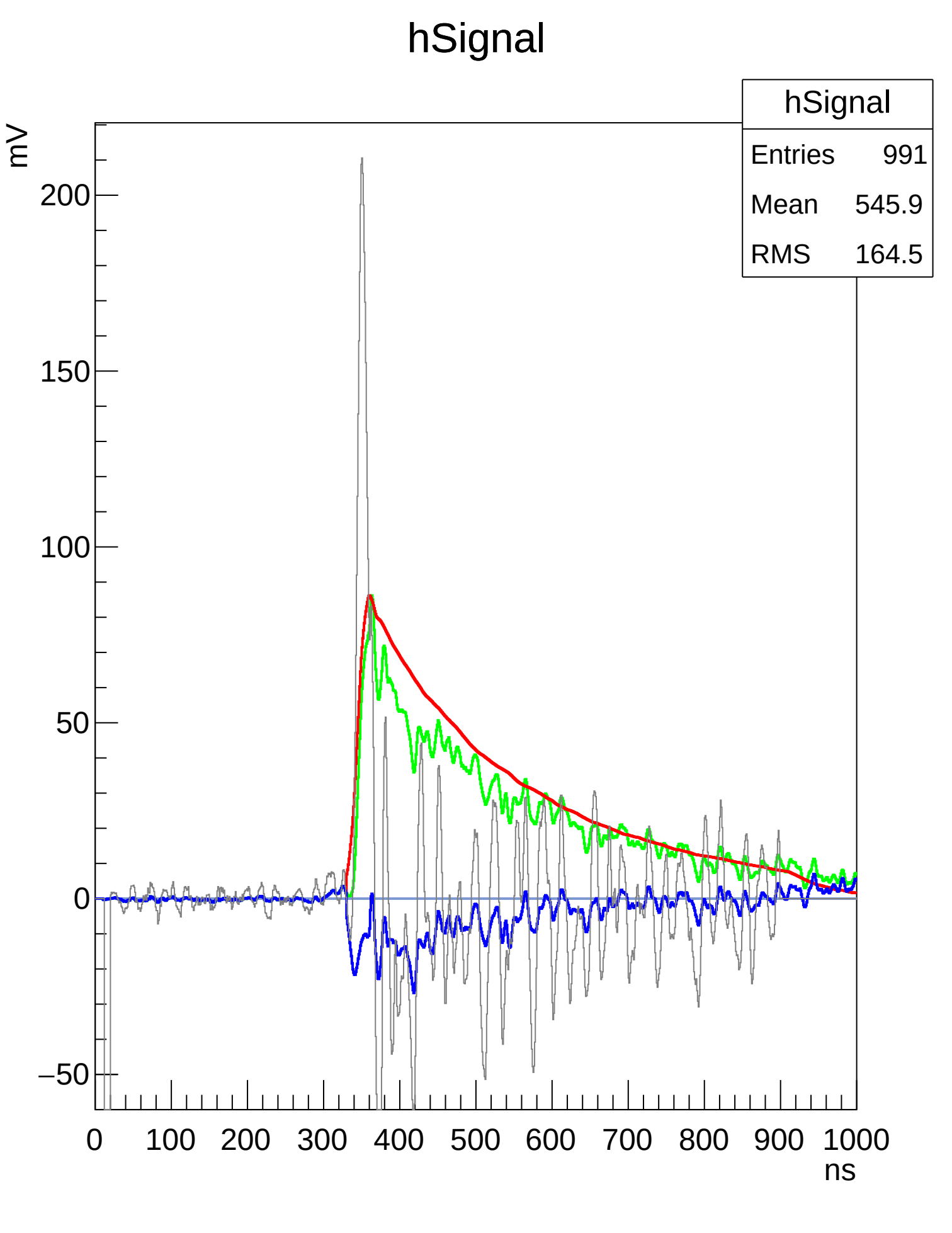

hSignal
hSignal
Entries 991
Mean 514.3
RMS 174
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

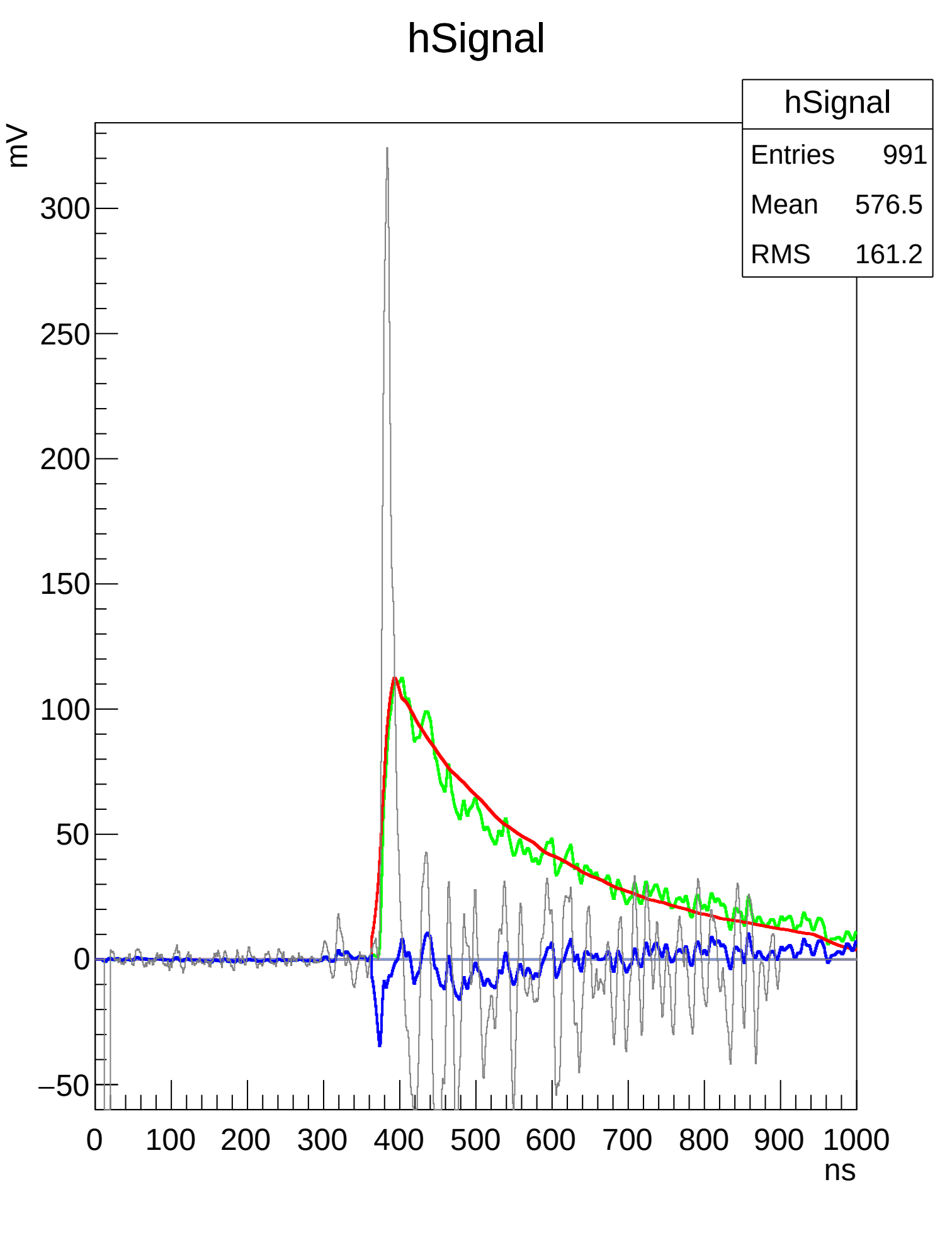

hSignal
hSignal
Entries 991
Mean 562.1
RMS 151.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

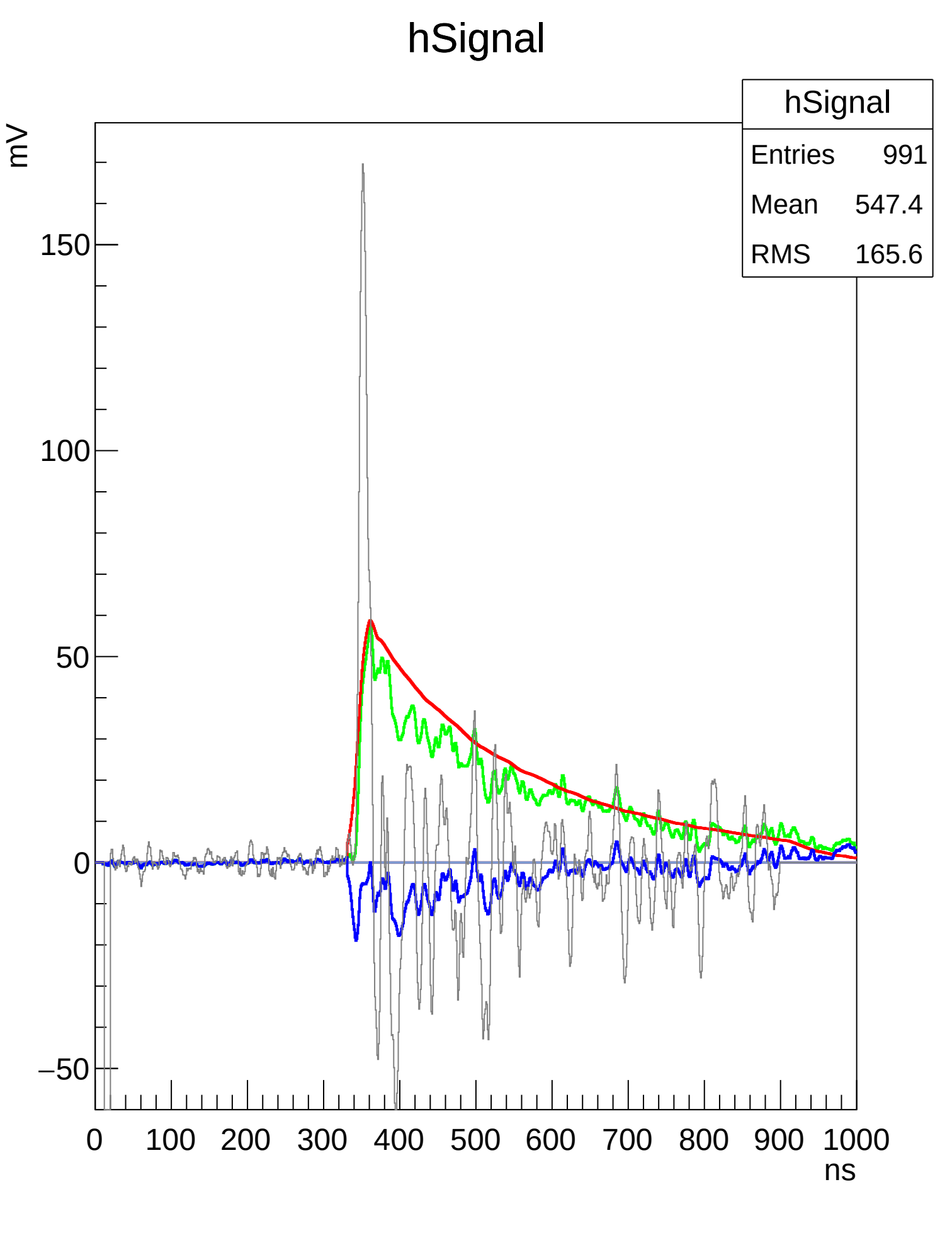

hSignal
hSignal
Entries 991
Mean 486.3
RMS 178.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

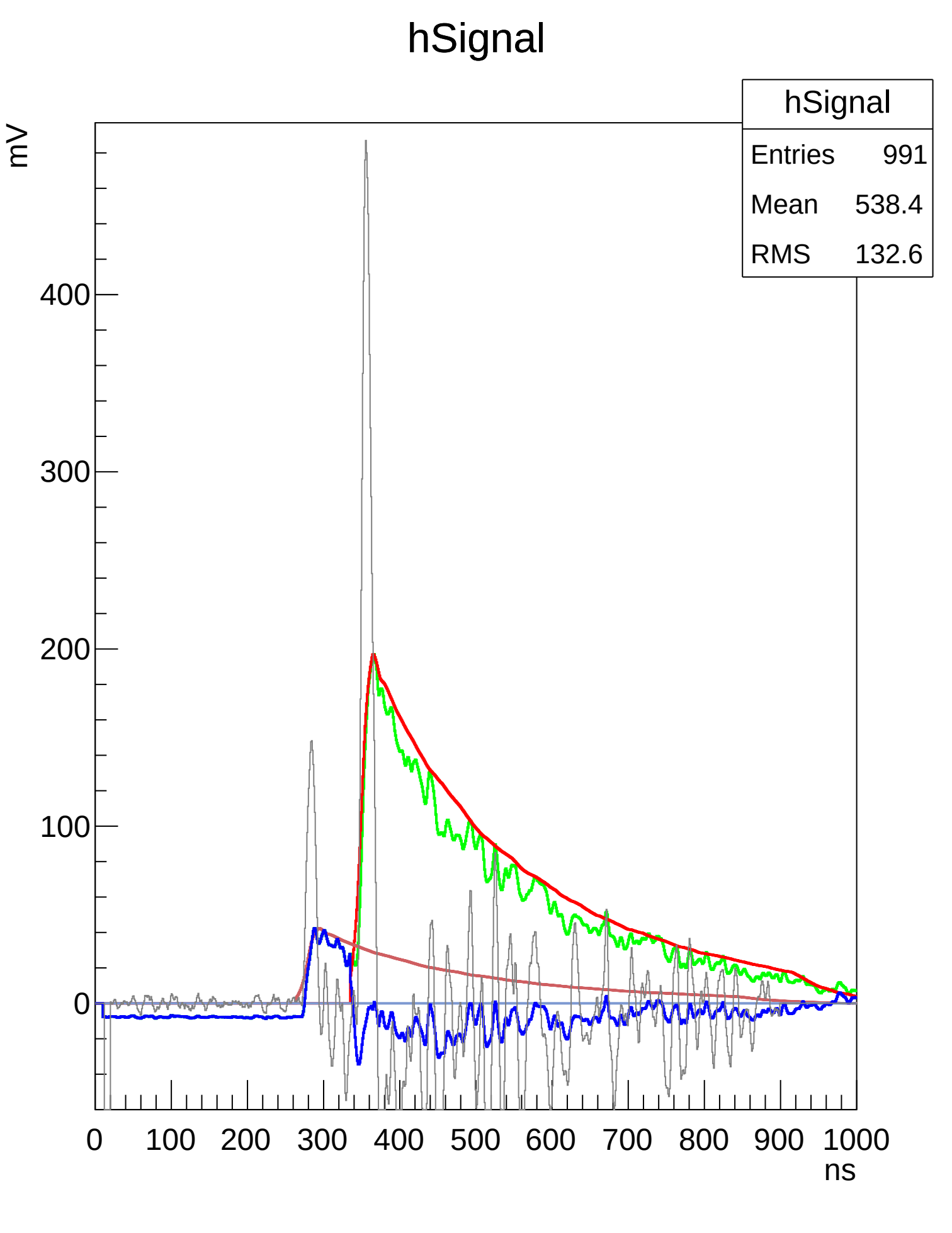

hSignal
hSignal
Entries 991
Mean 500.8
RMS 175.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

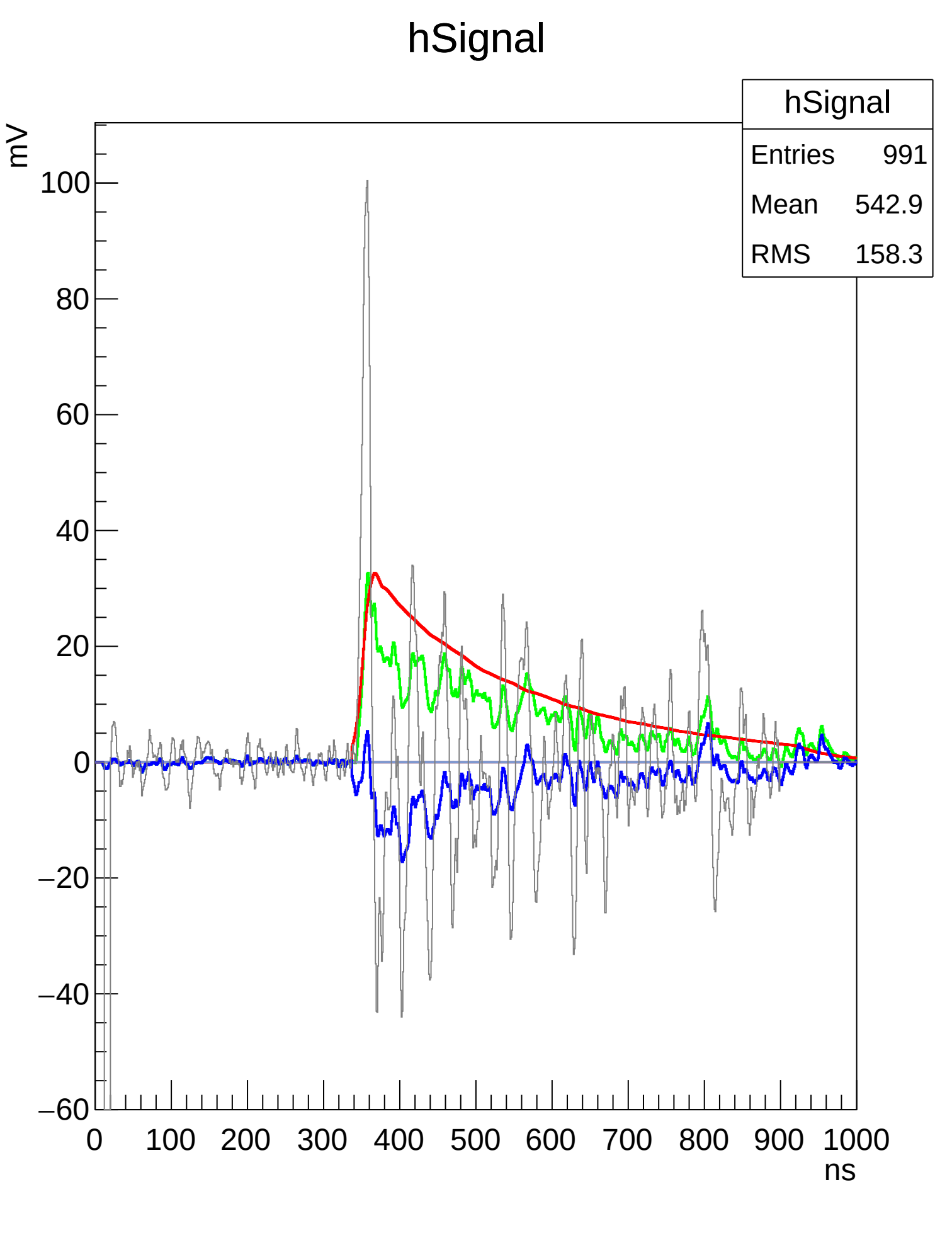

hSignal
hSignal
Entries 991
Mean 565.2
RMS 108.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

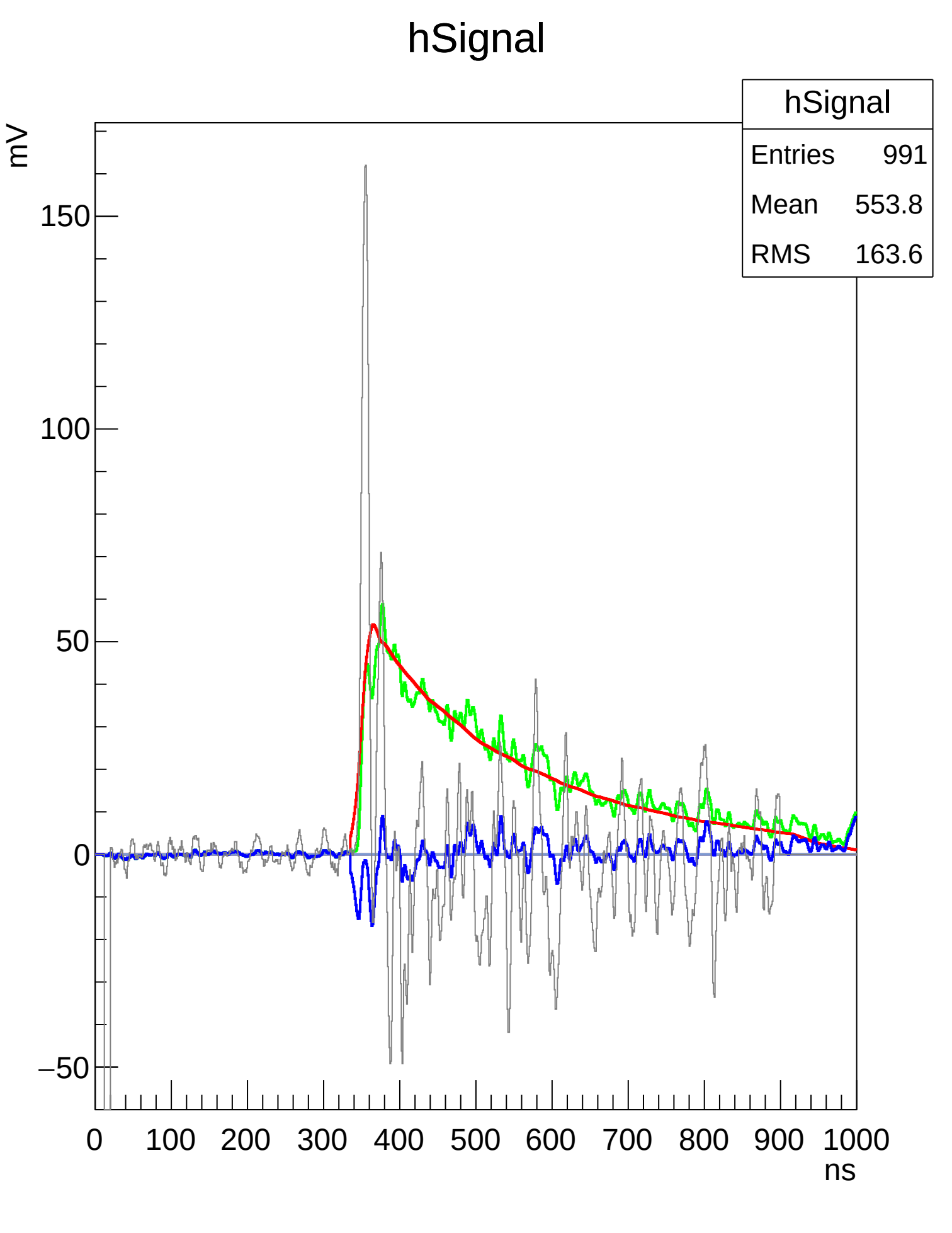

hSignal
hSignal
Entries 991
Mean 545.9
RMS 164.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

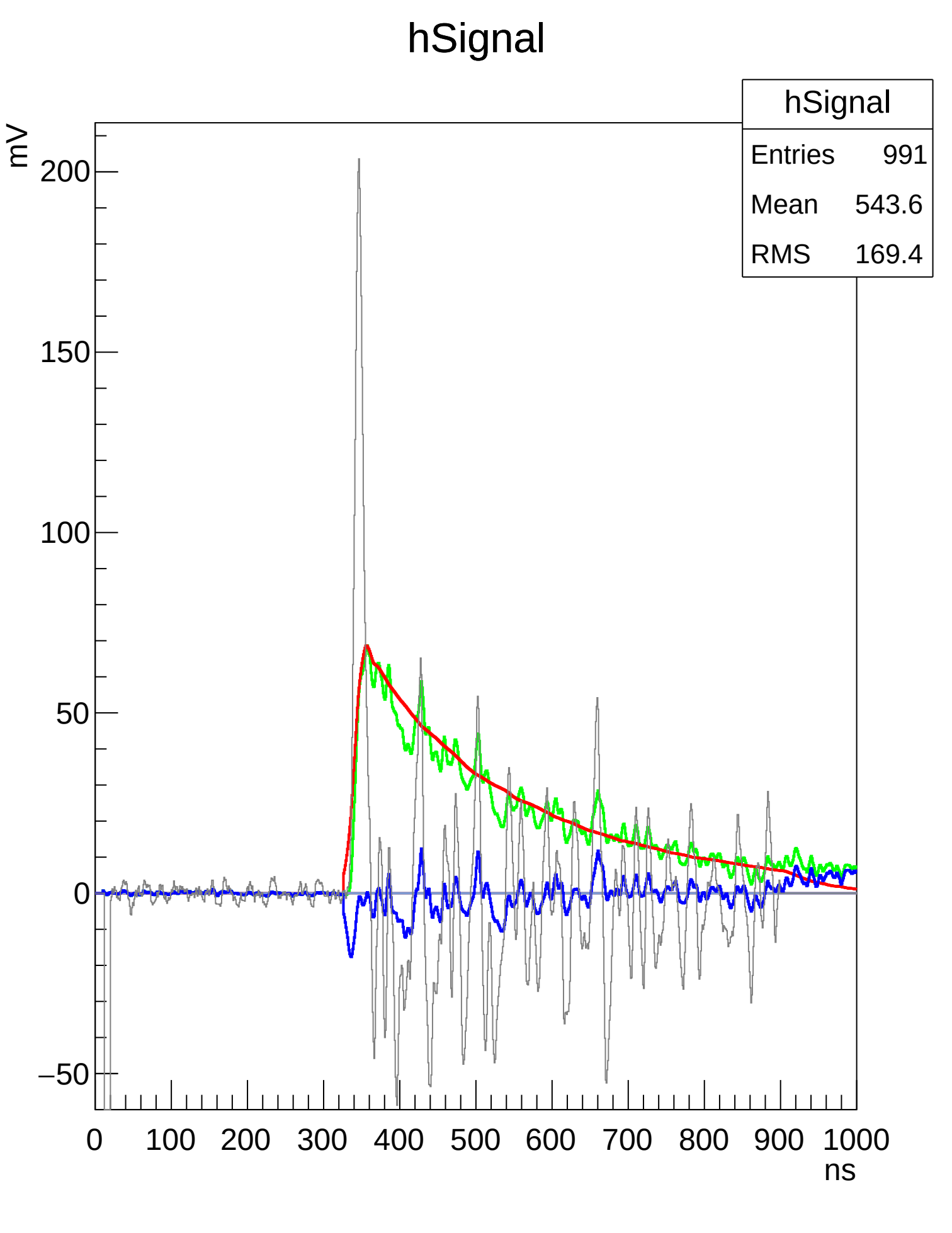

hSignal
hSignal
Entries 991
Mean 576.5
RMS 161.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

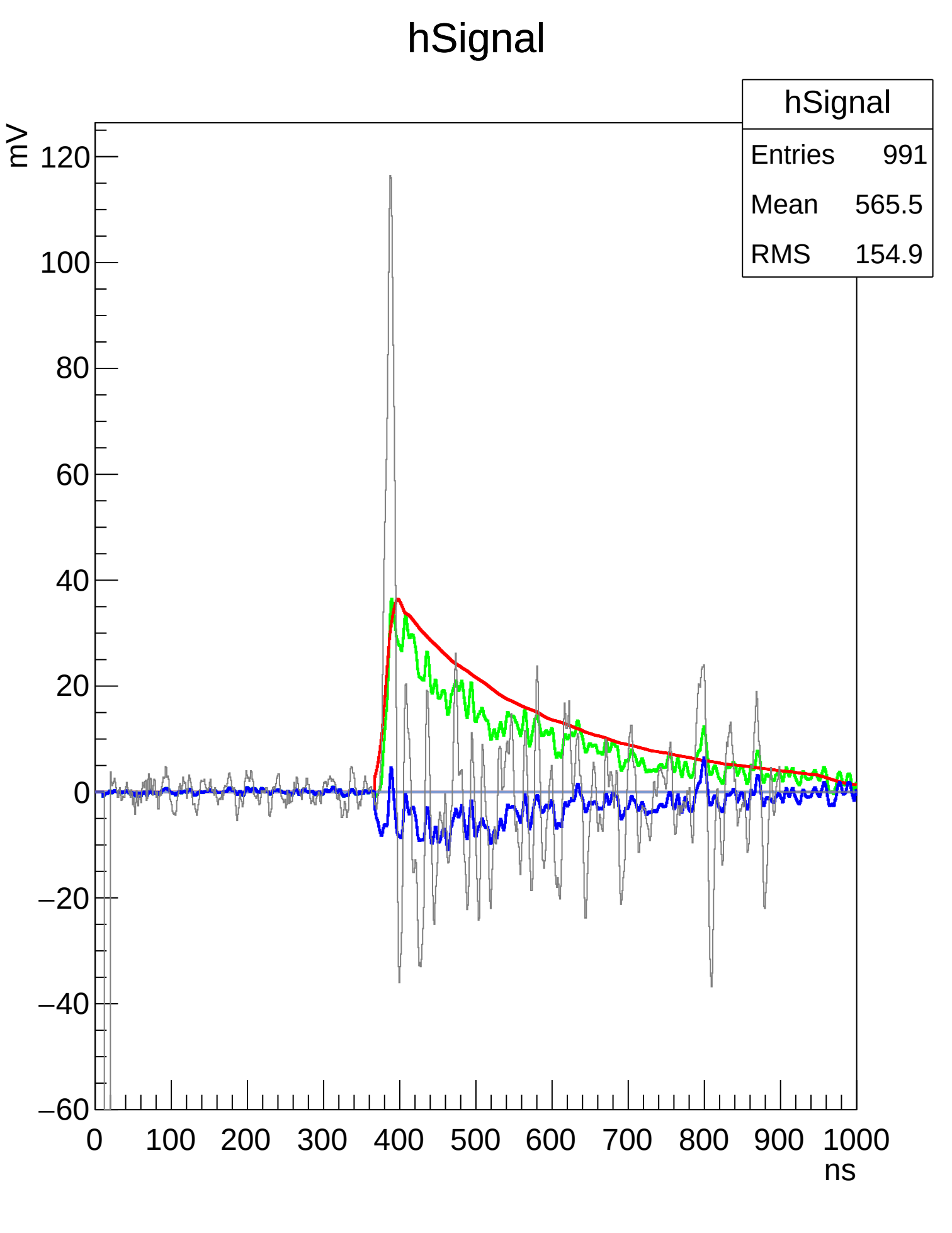

hSignal
hSignal
Entries 991
Mean 547.4
RMS 165.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

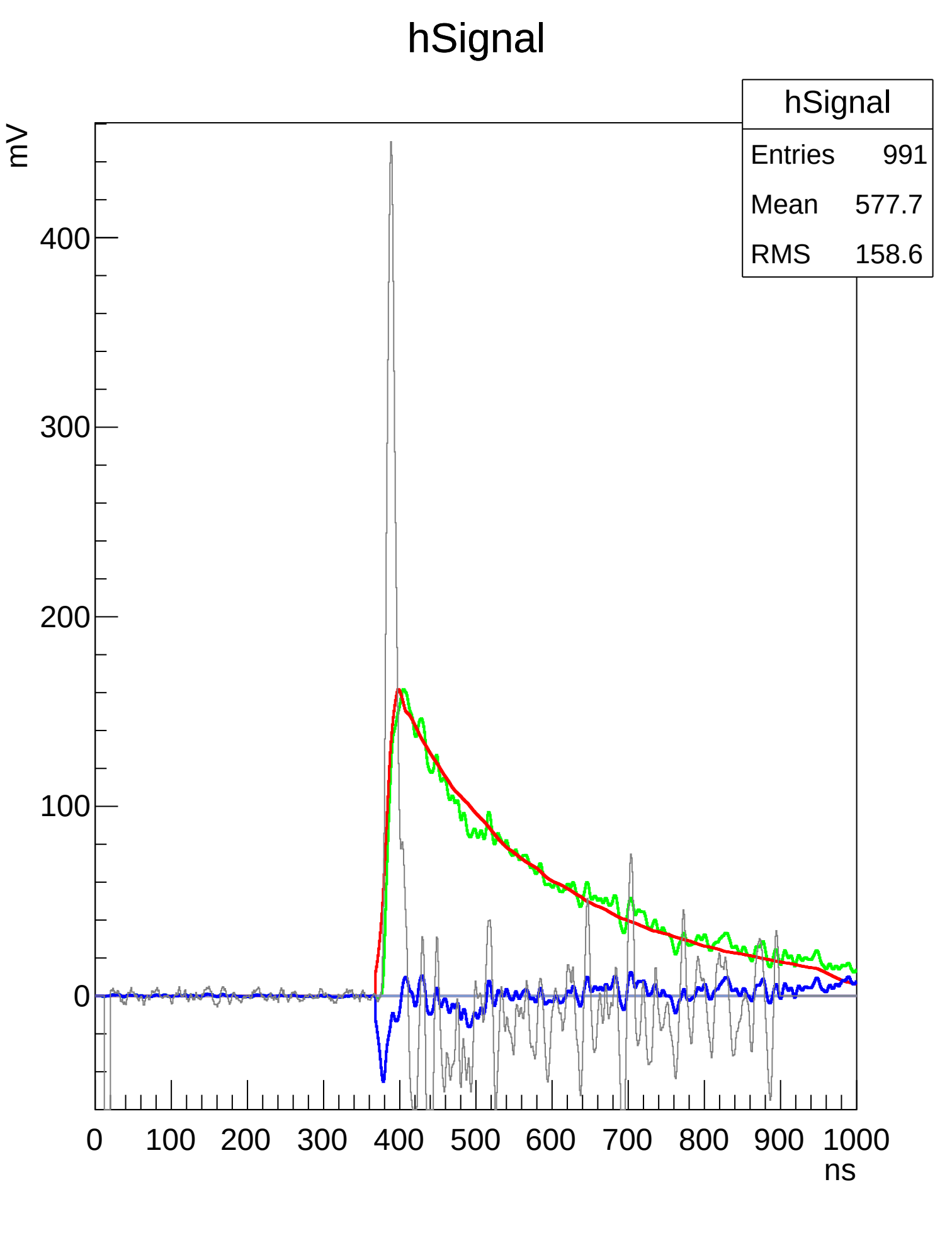

hSignal
hSignal
Entries 991
Mean 538.4
RMS 132.6
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

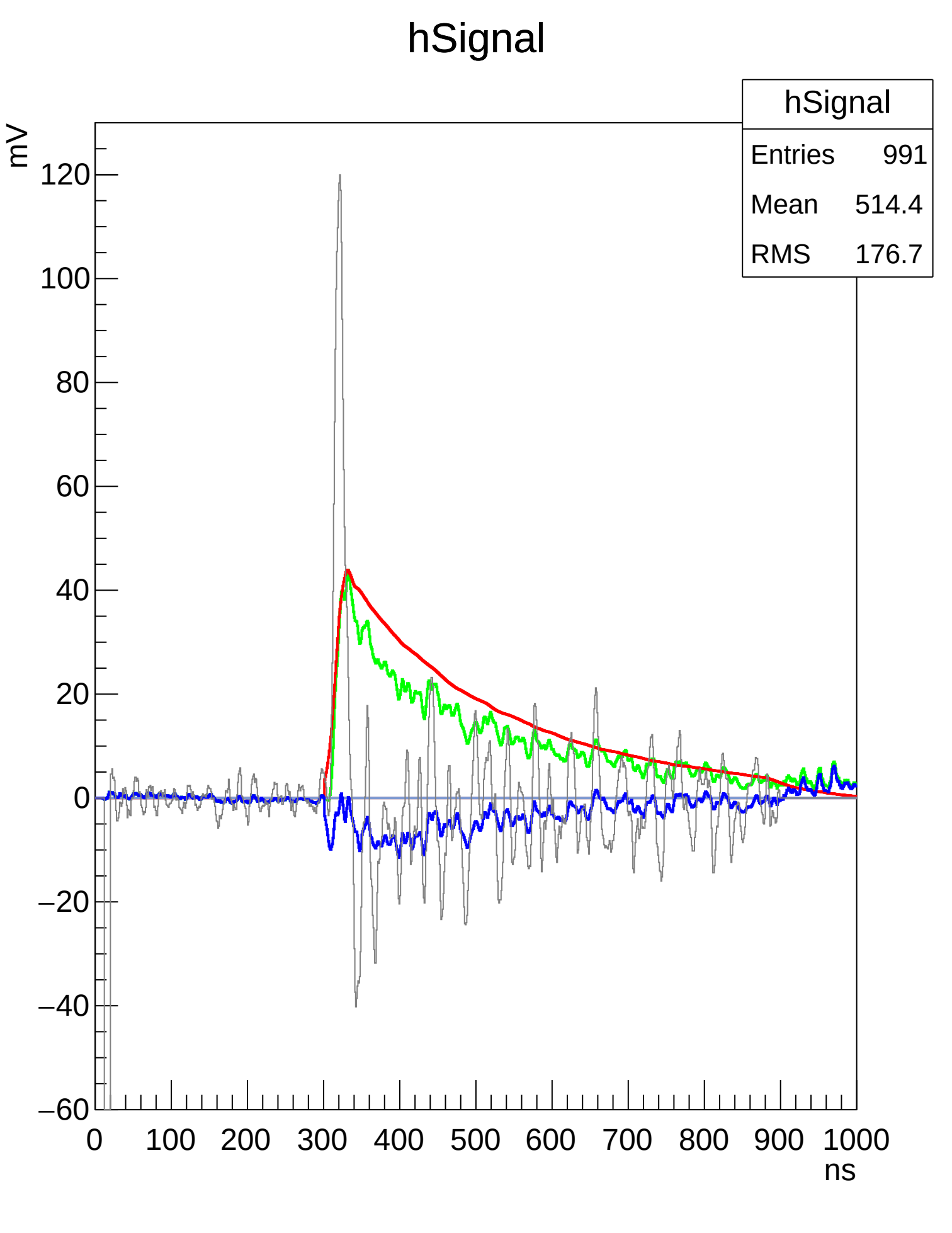

hSignal
hSignal
Entries 991
Mean 542.9
RMS 158.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

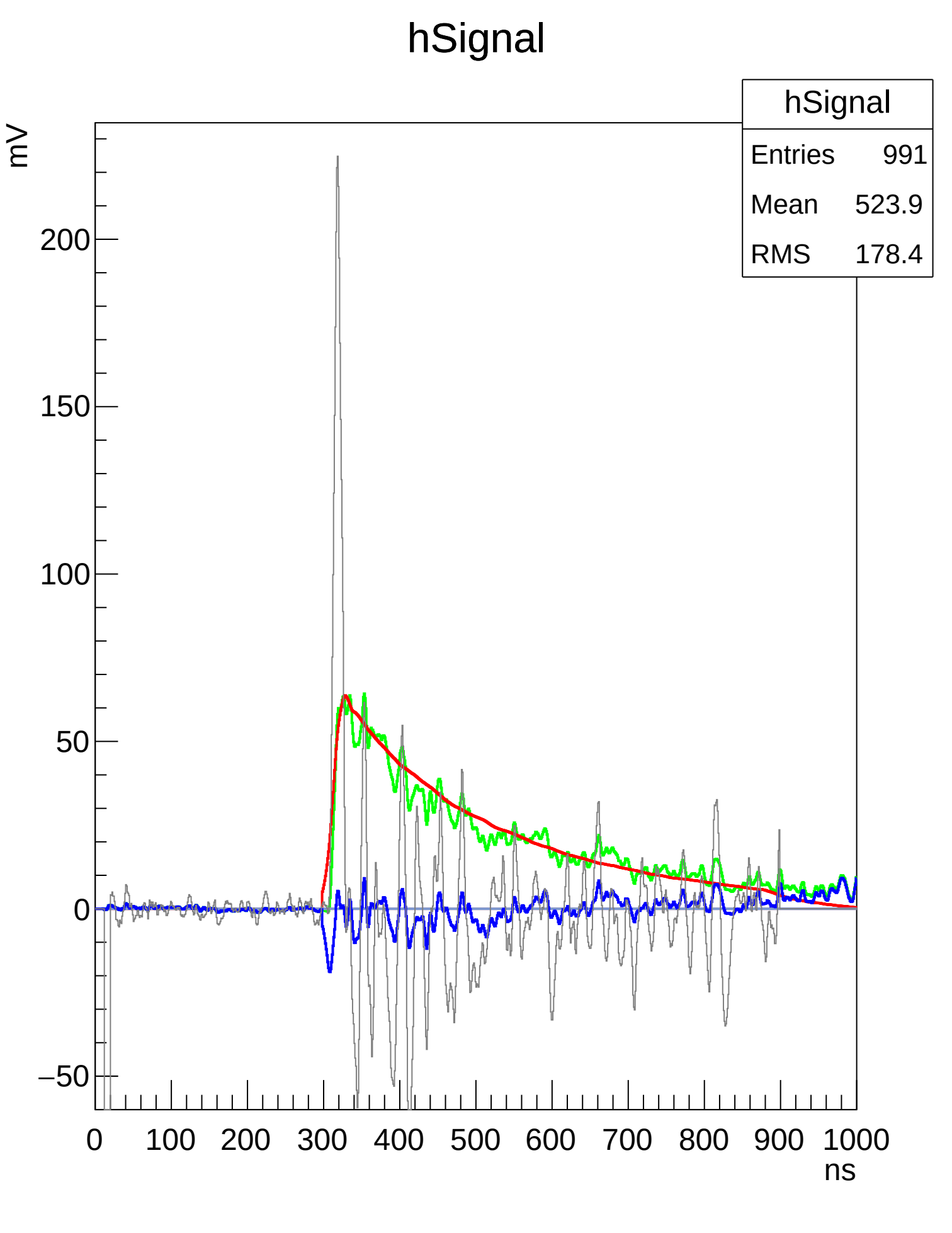

hSignal
hSignal
Entries 991
Mean 553.8
RMS 163.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

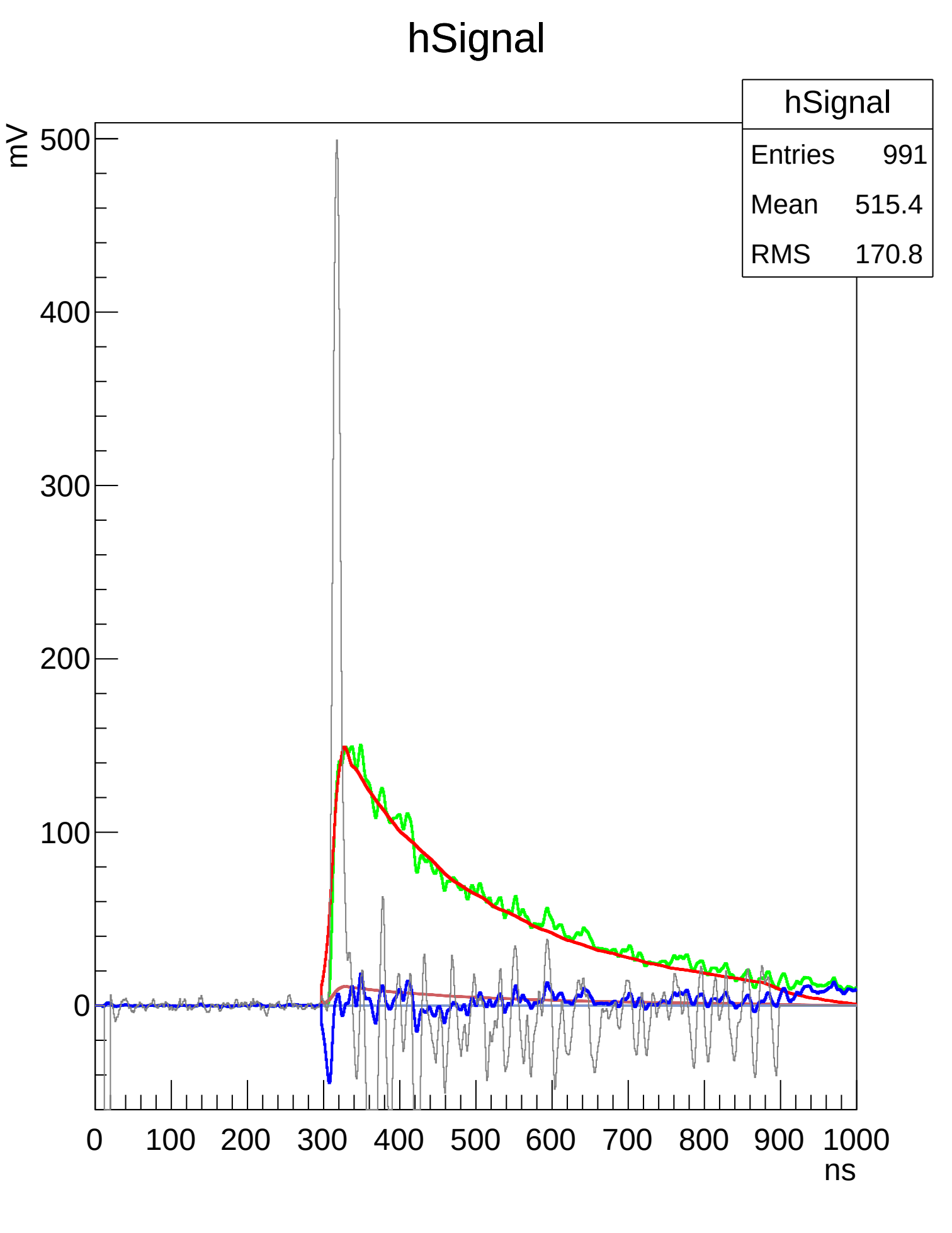

hSignal
hSignal
Entries 991
Mean 543.6
RMS 169.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

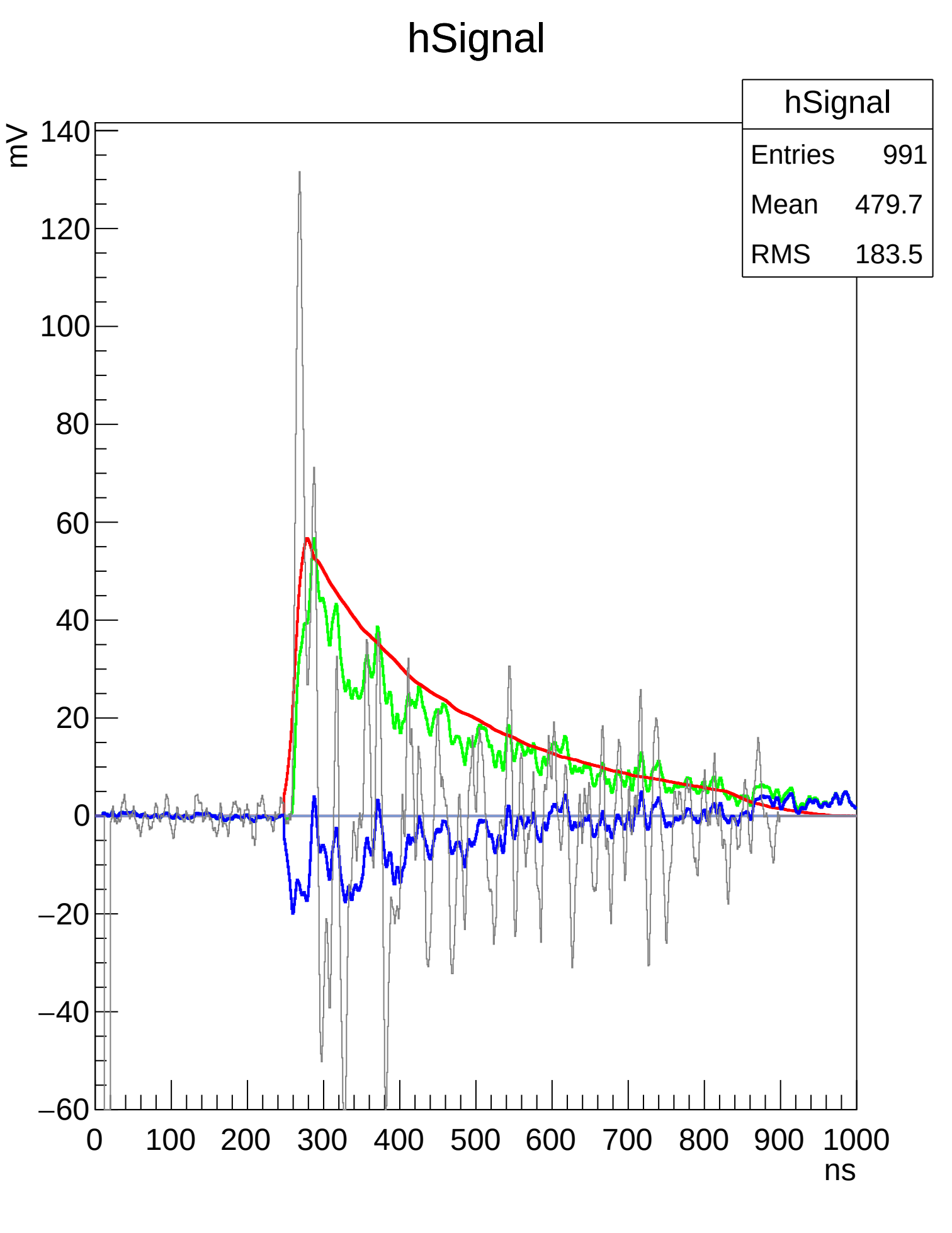

hSignal
hSignal
Entries 991
Mean 565.5
RMS 154.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

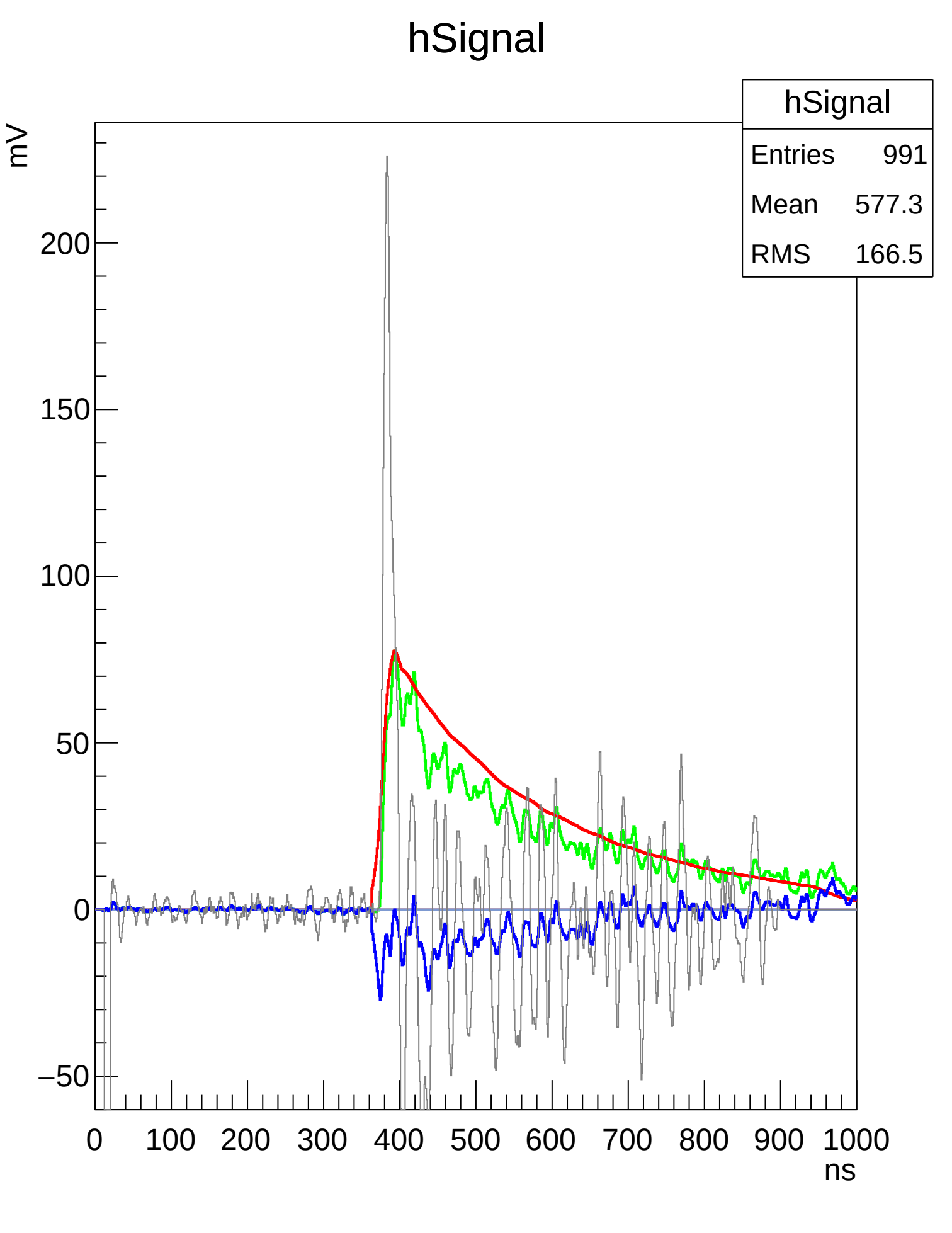

hSignal
hSignal
Entries 991
Mean 577.7
RMS 158.6
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

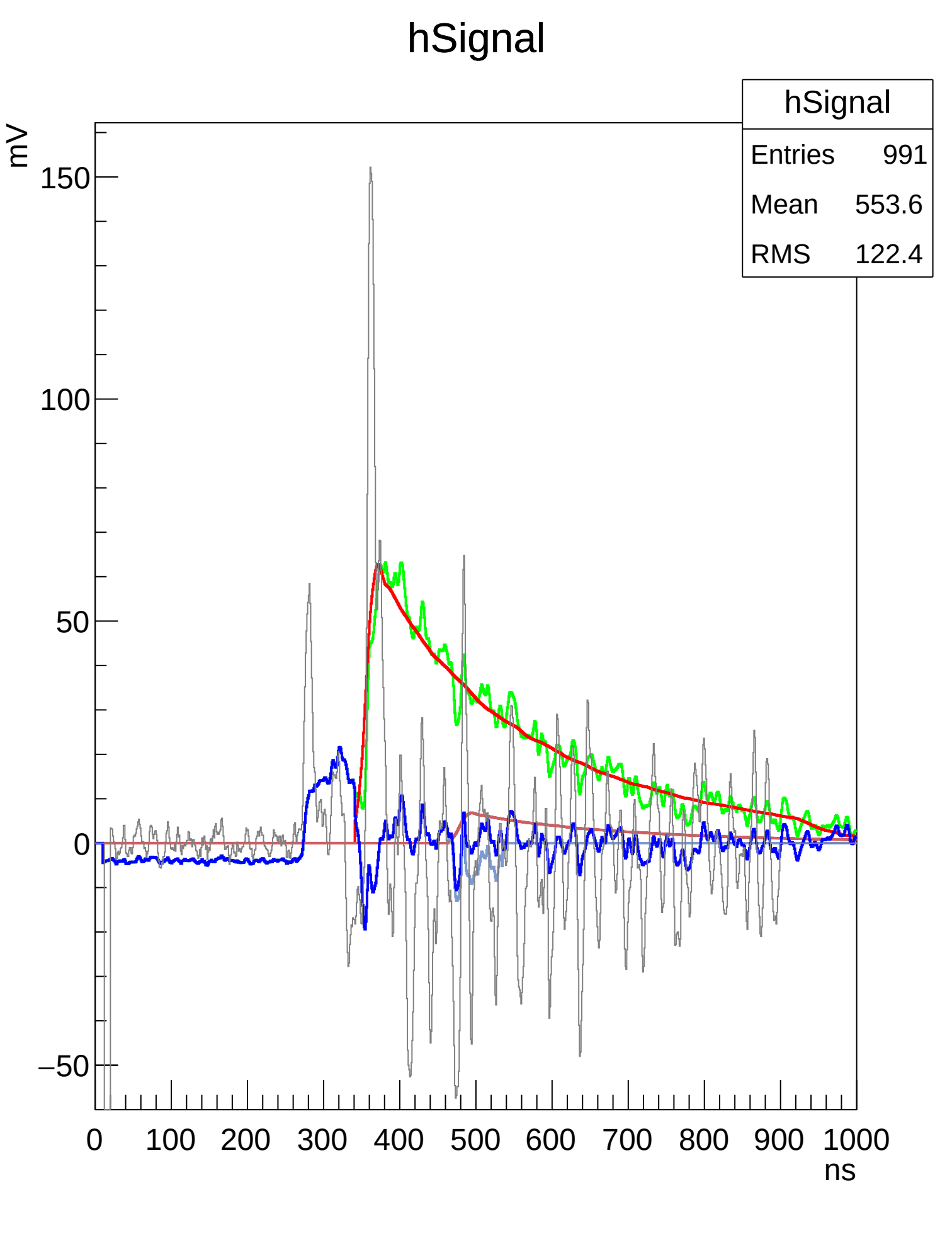

hSignal
hSignal
Entries 991
Mean 514.4
RMS 176.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

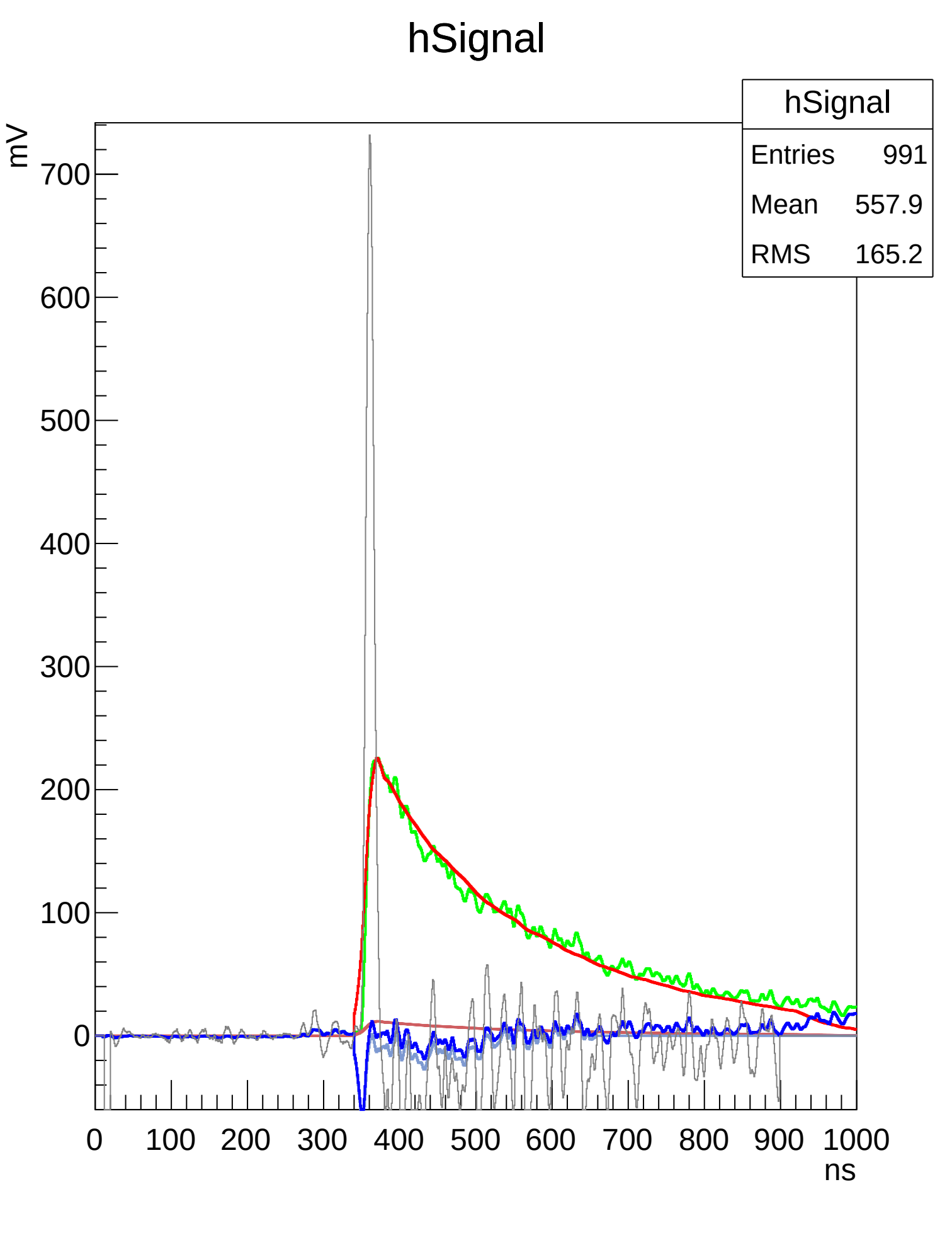

hSignal
hSignal
Entries 991
Mean 523.9
RMS 178.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

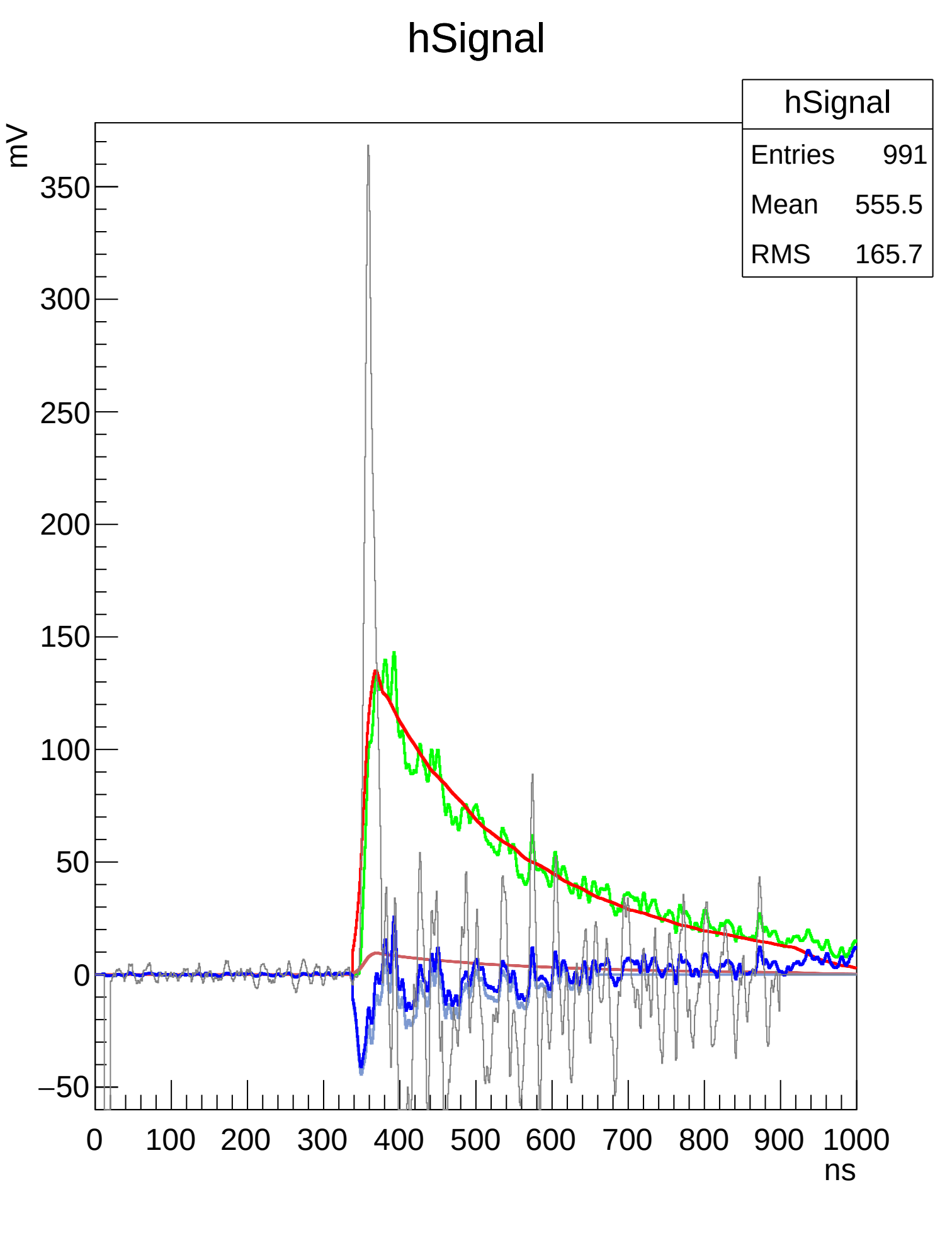

hSignal
hSignal
Entries 991
Mean 515.4
RMS 170.8
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

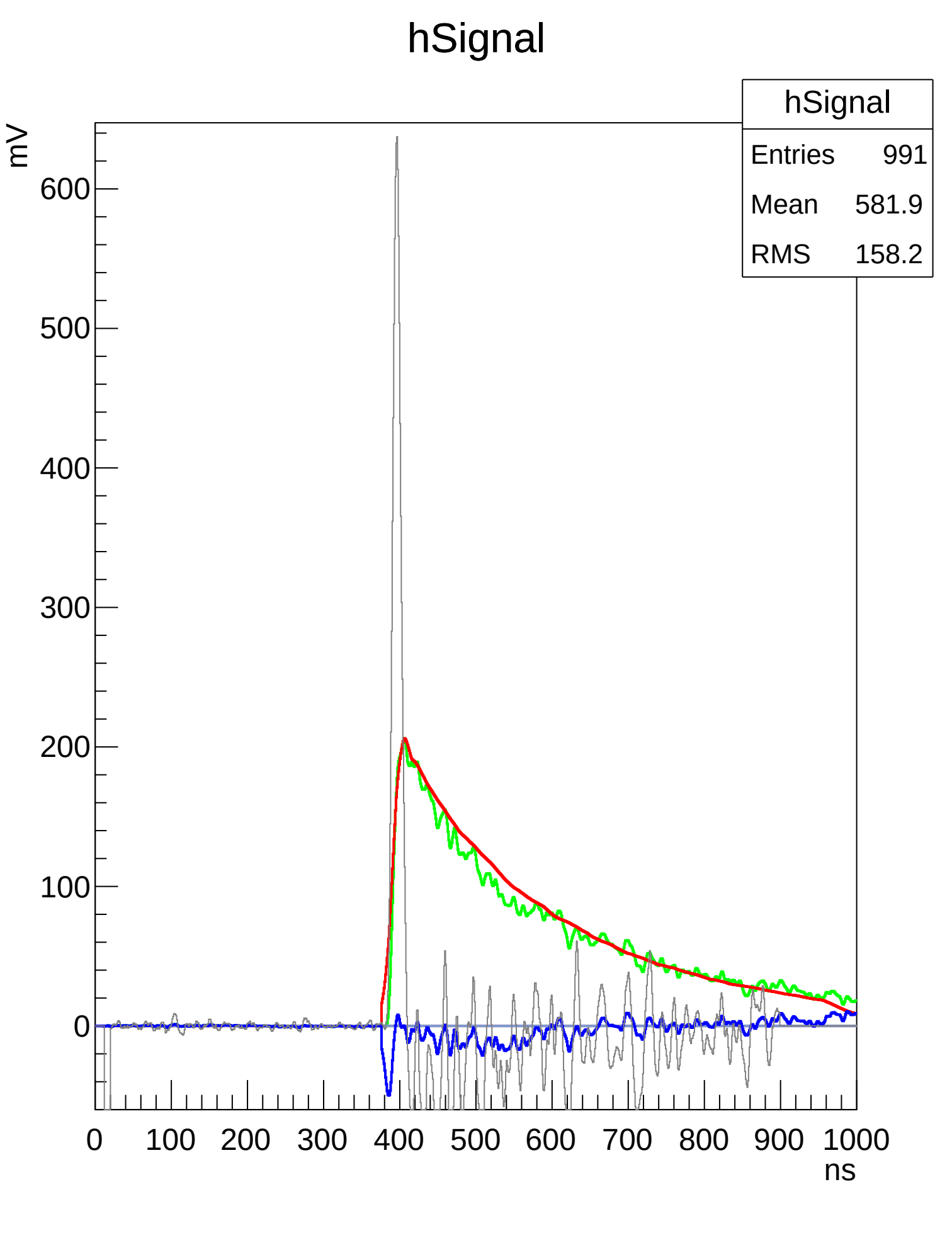

hSignal
hSignal
Entries 991
Mean 479.7
RMS 183.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

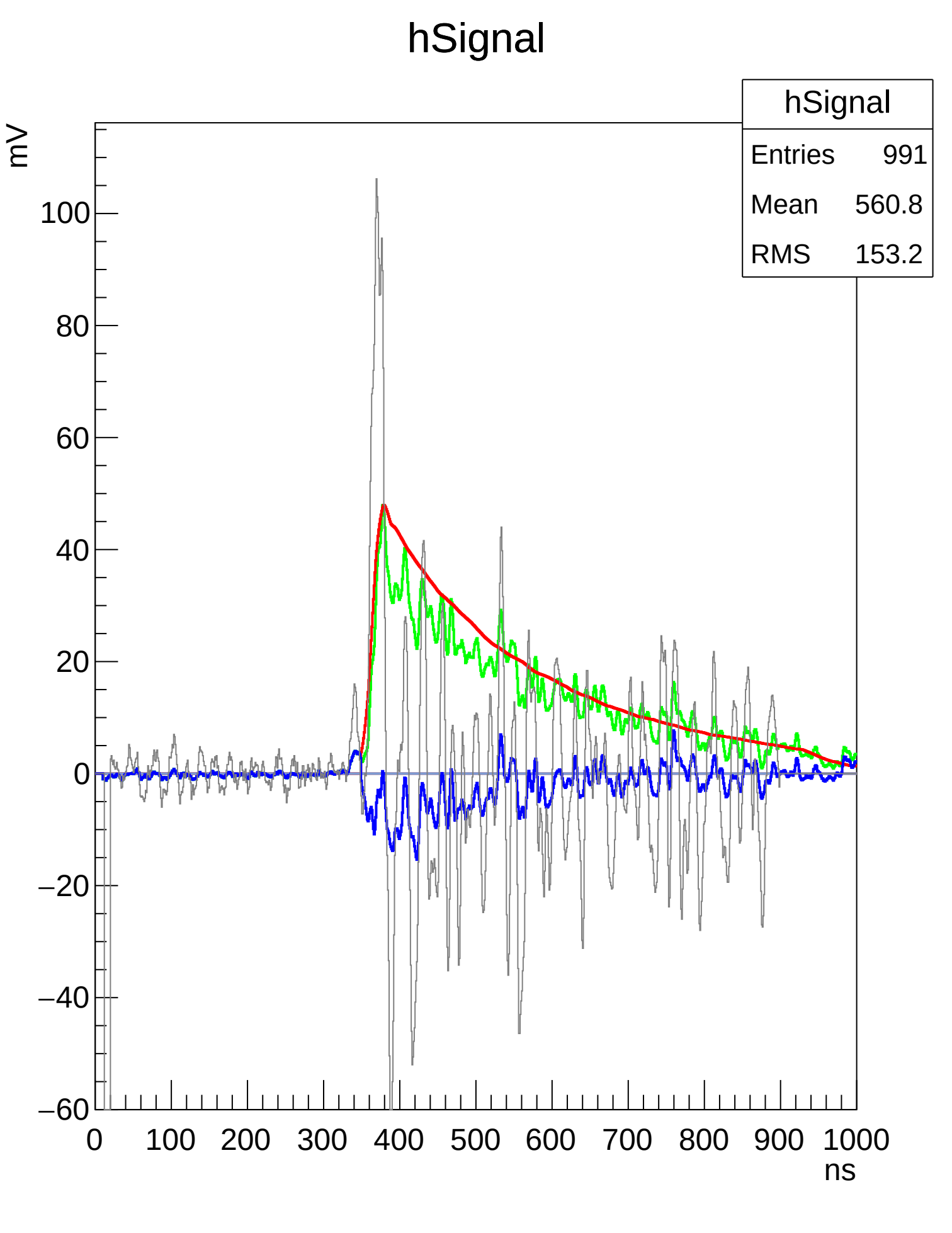

hSignal
hSignal
Entries 991
Mean 577.3
RMS 166.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

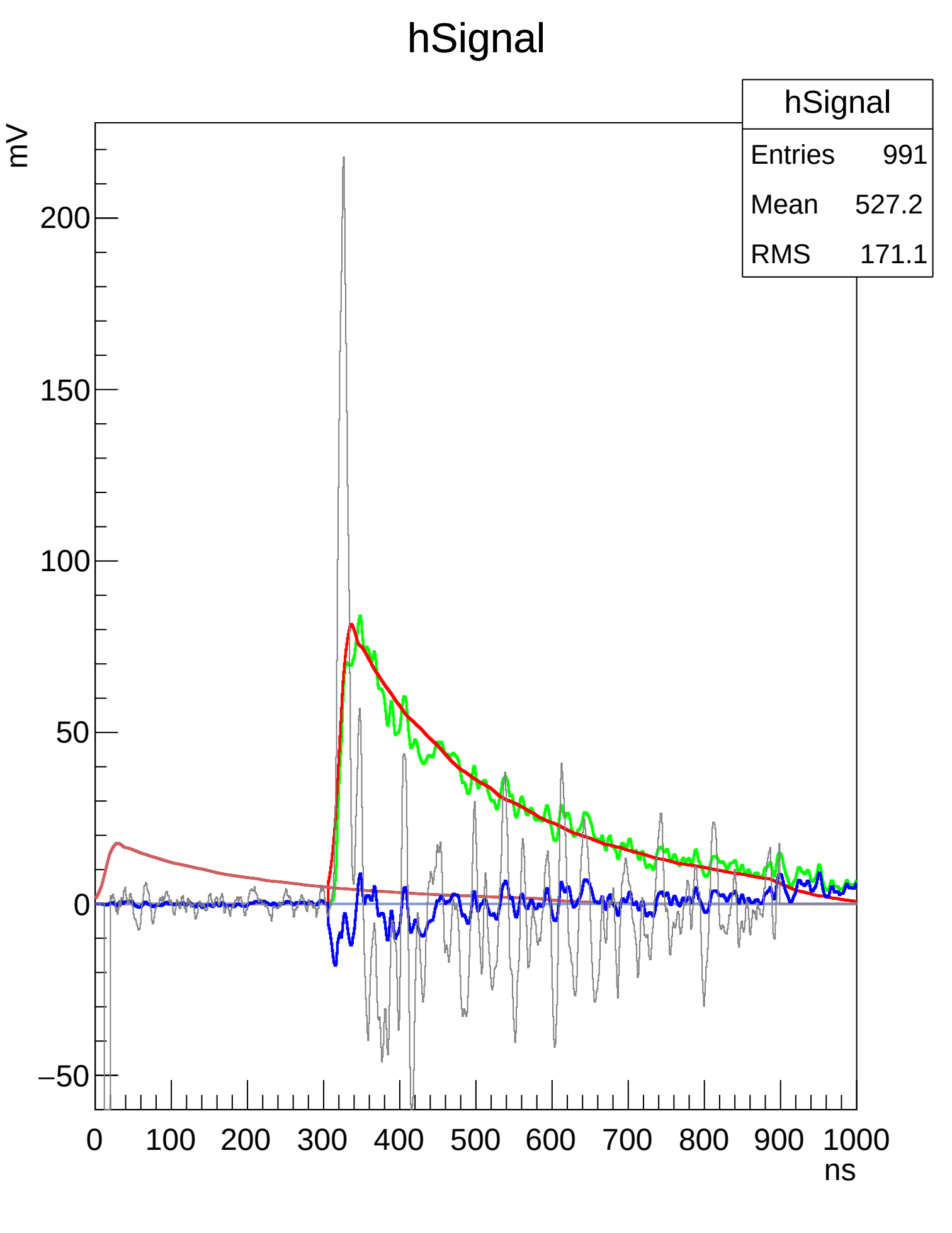

hSignal
hSignal
Entries 991
Mean 553.6
RMS 122.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

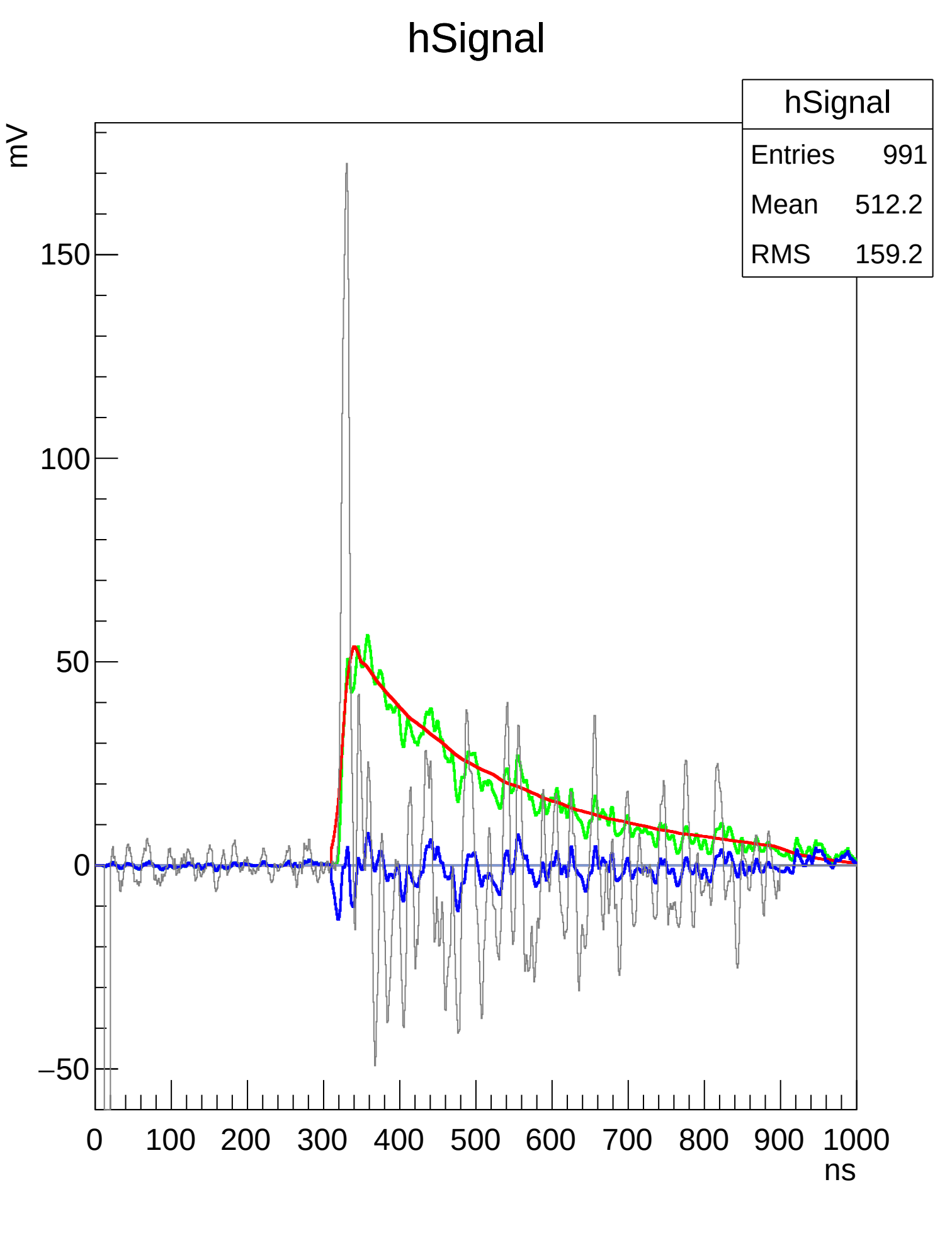

hSignal
hSignal
Entries 991
Mean 557.9
RMS 165.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

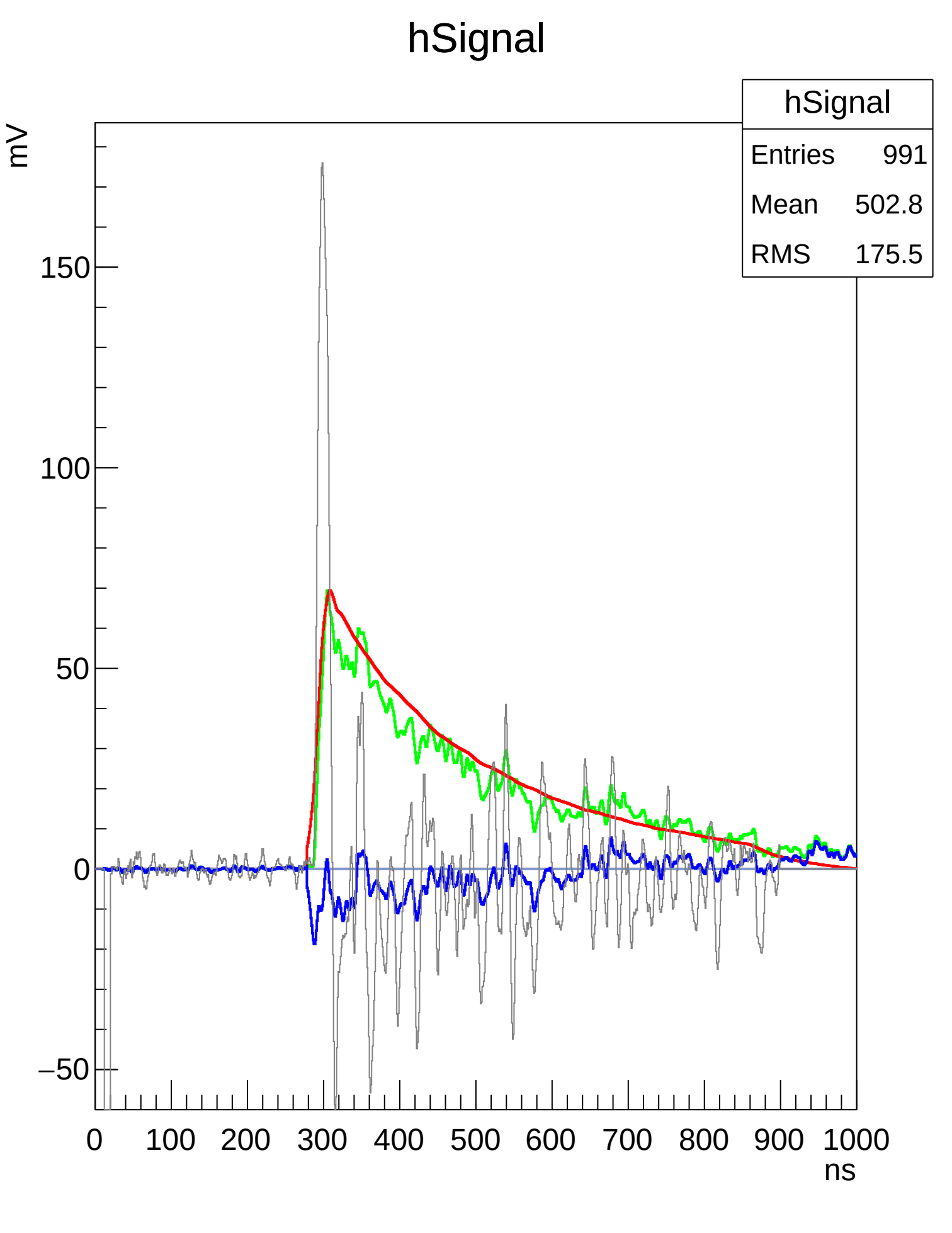

hSignal
hSignal
Entries 991
Mean 555.5
RMS 165.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

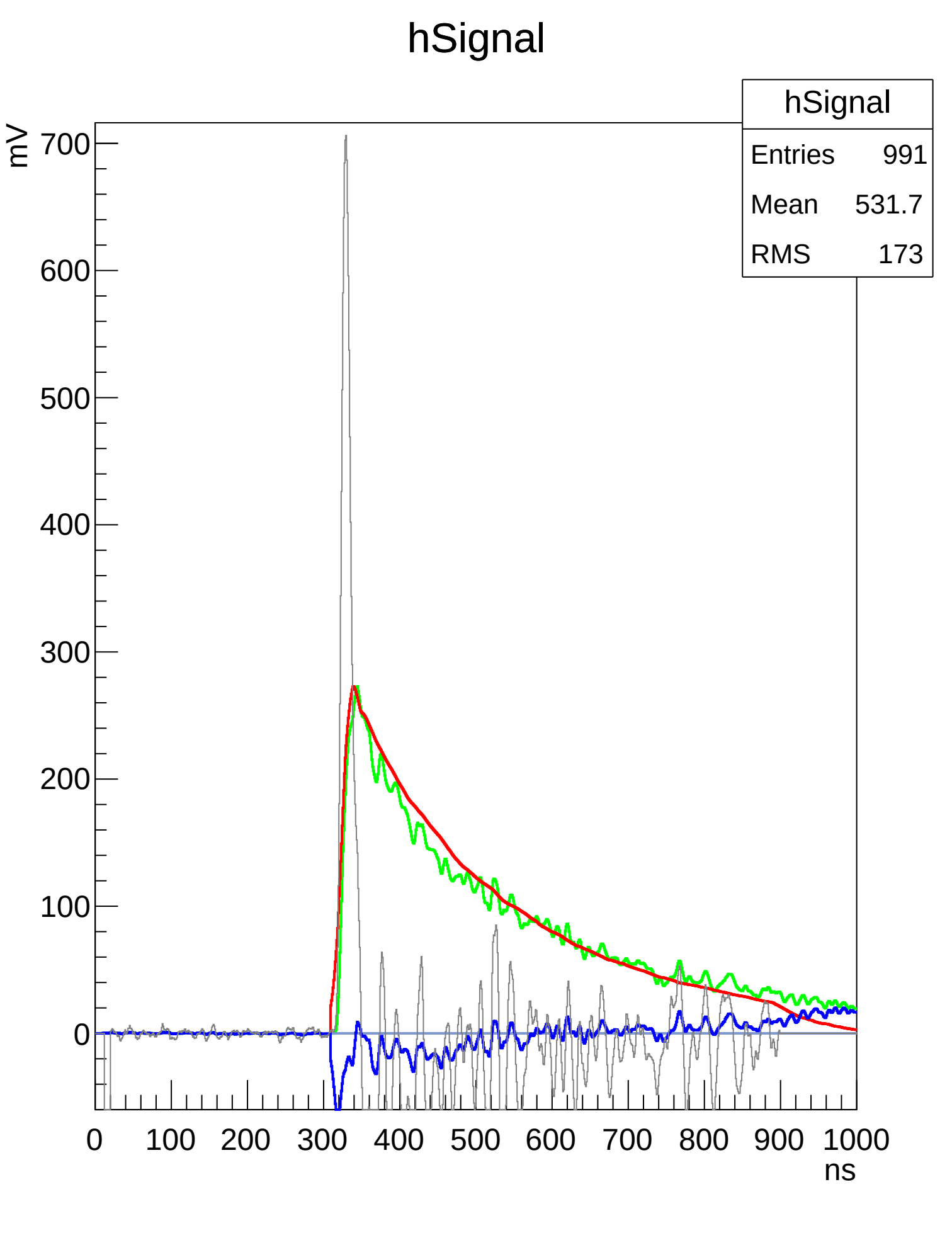

hSignal
hSignal
Entries 991
Mean 581.9
RMS 158.2
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

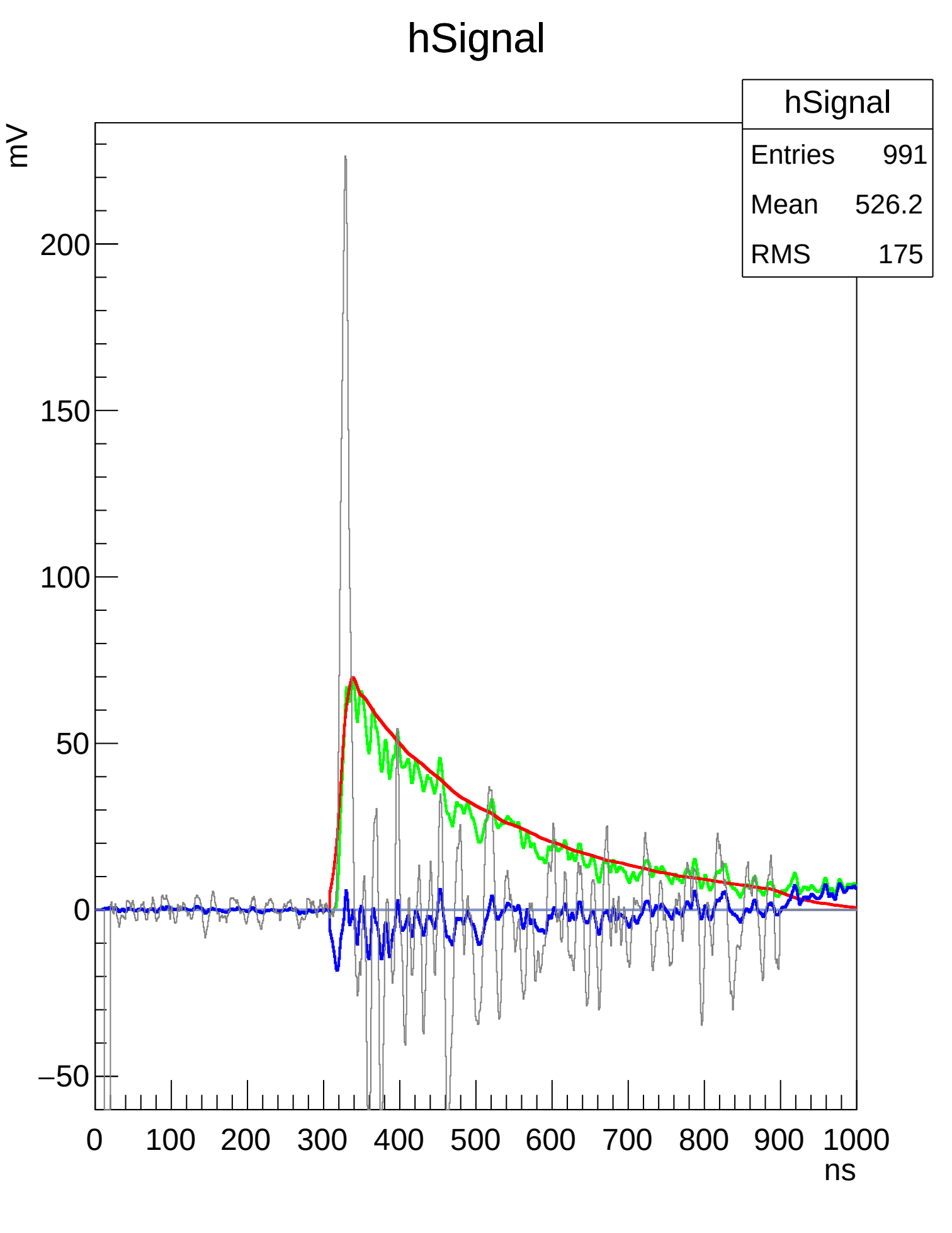

hSignal
hSignal
Entries 991
Mean 560.8
RMS 153.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

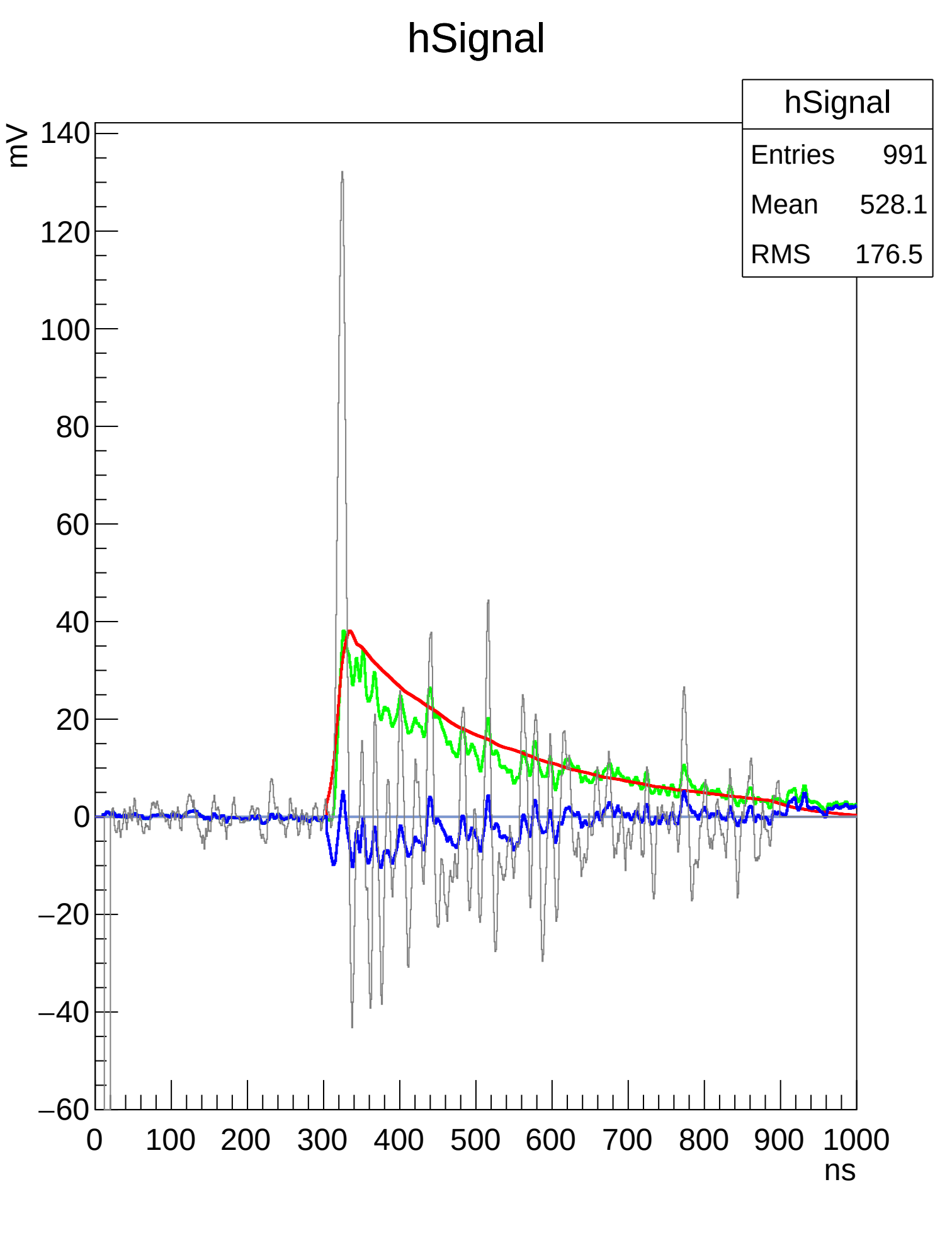

hSignal
hSignal
Entries 991
Mean 527.2
RMS 171.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

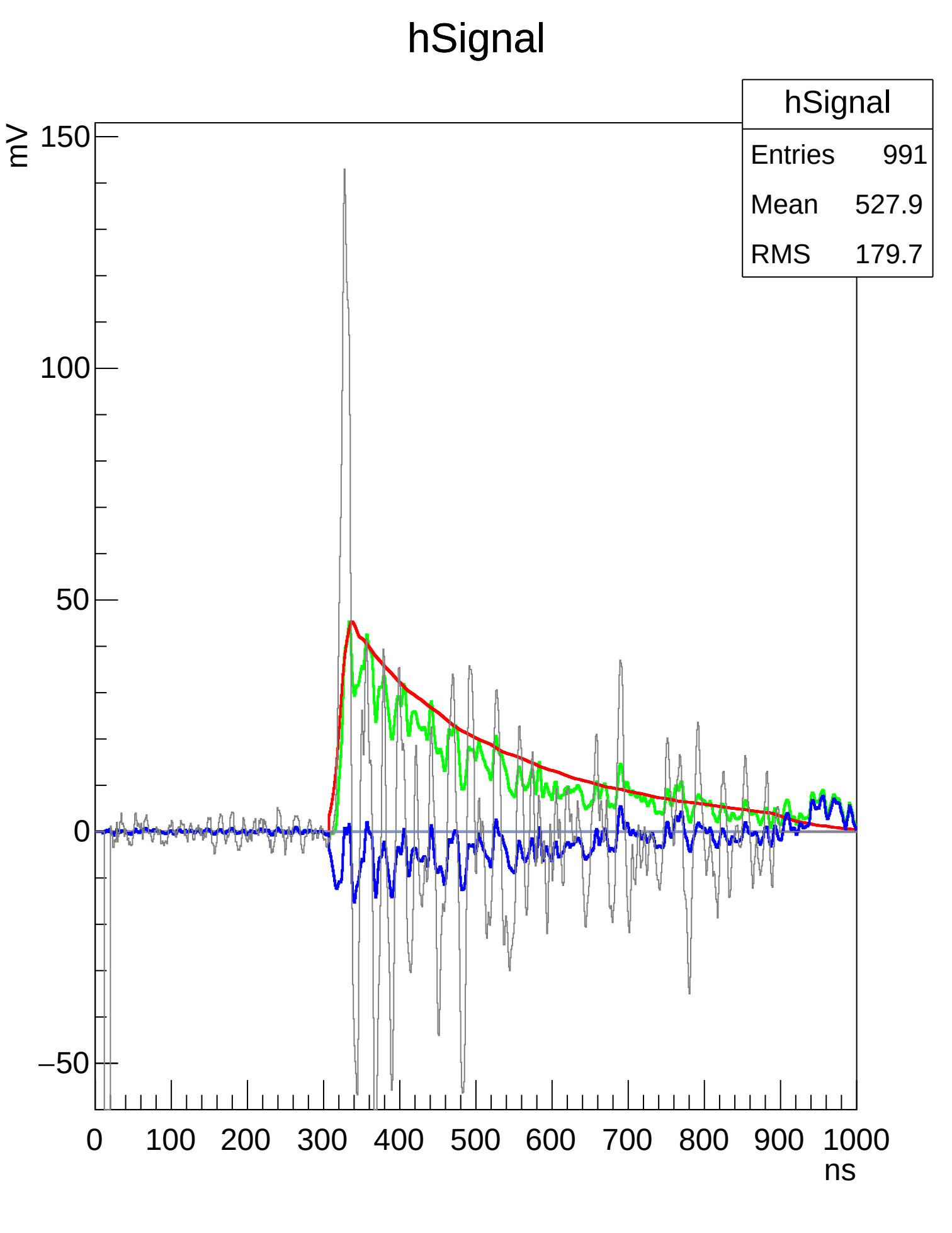

hSignal
hSignal
Entries 991
Mean 512.2
RMS 159.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

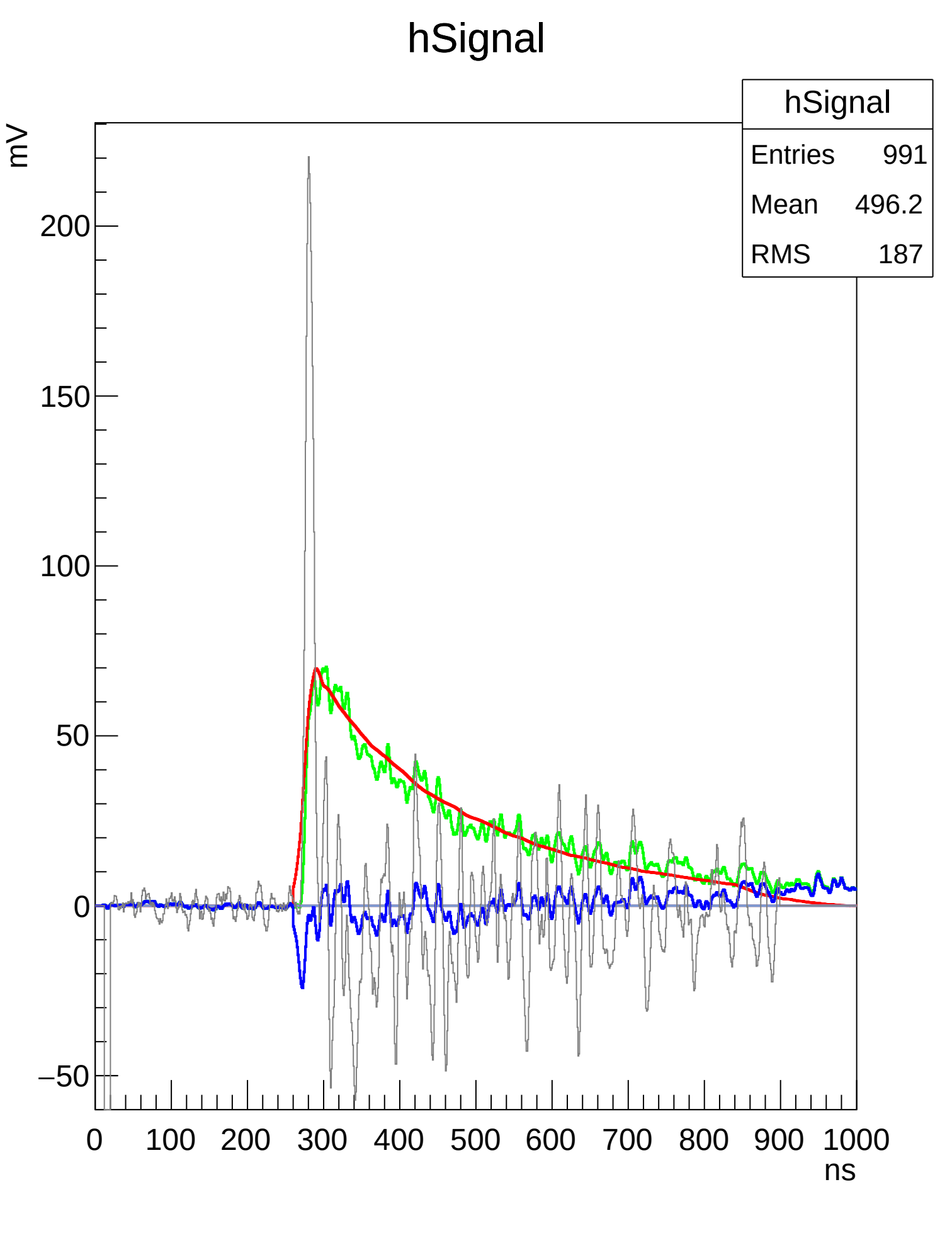

hSignal
hSignal
Entries 991
Mean 502.8
RMS 175.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

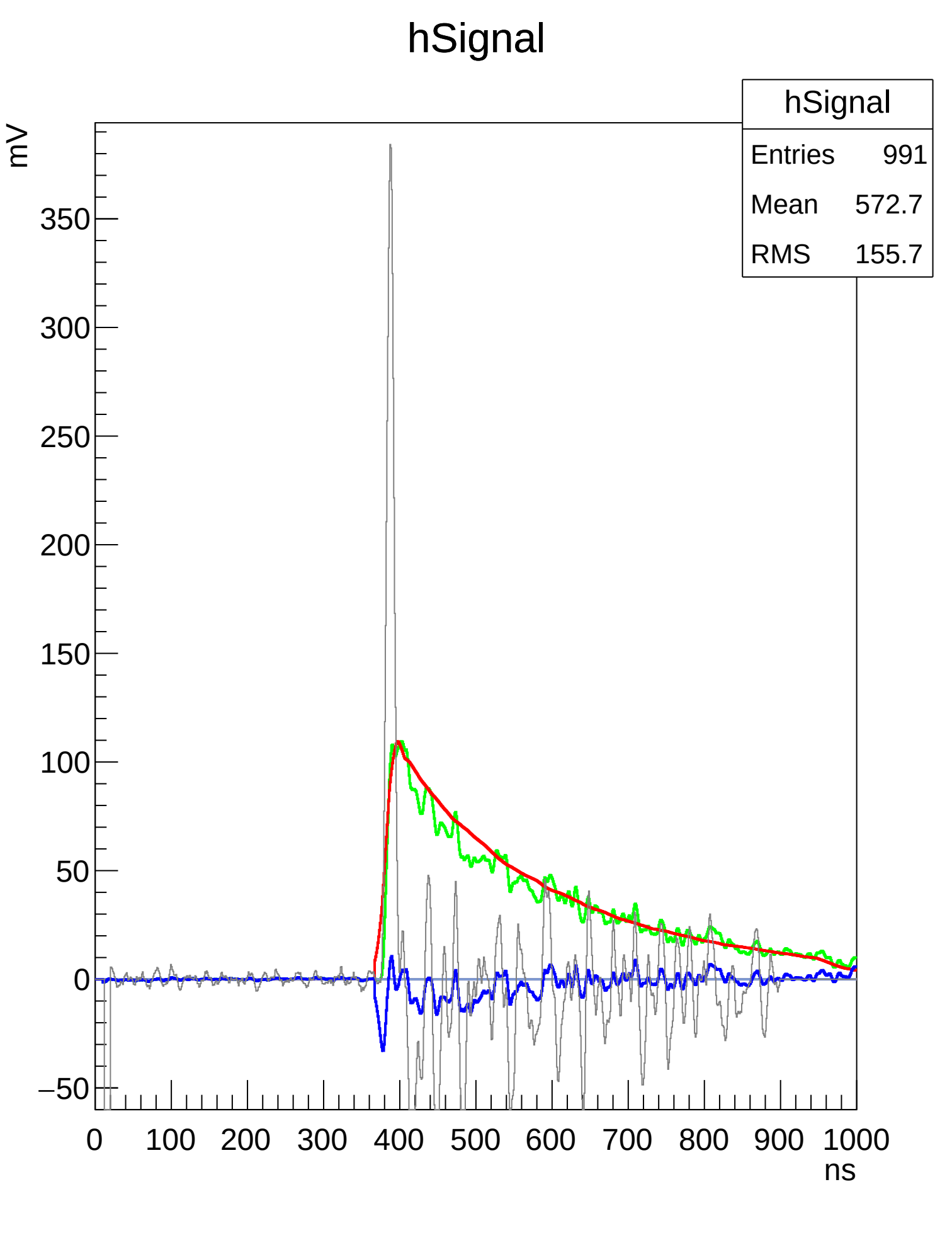

hSignal
hSignal
Entries 991
Mean 531.7
RMS 173
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

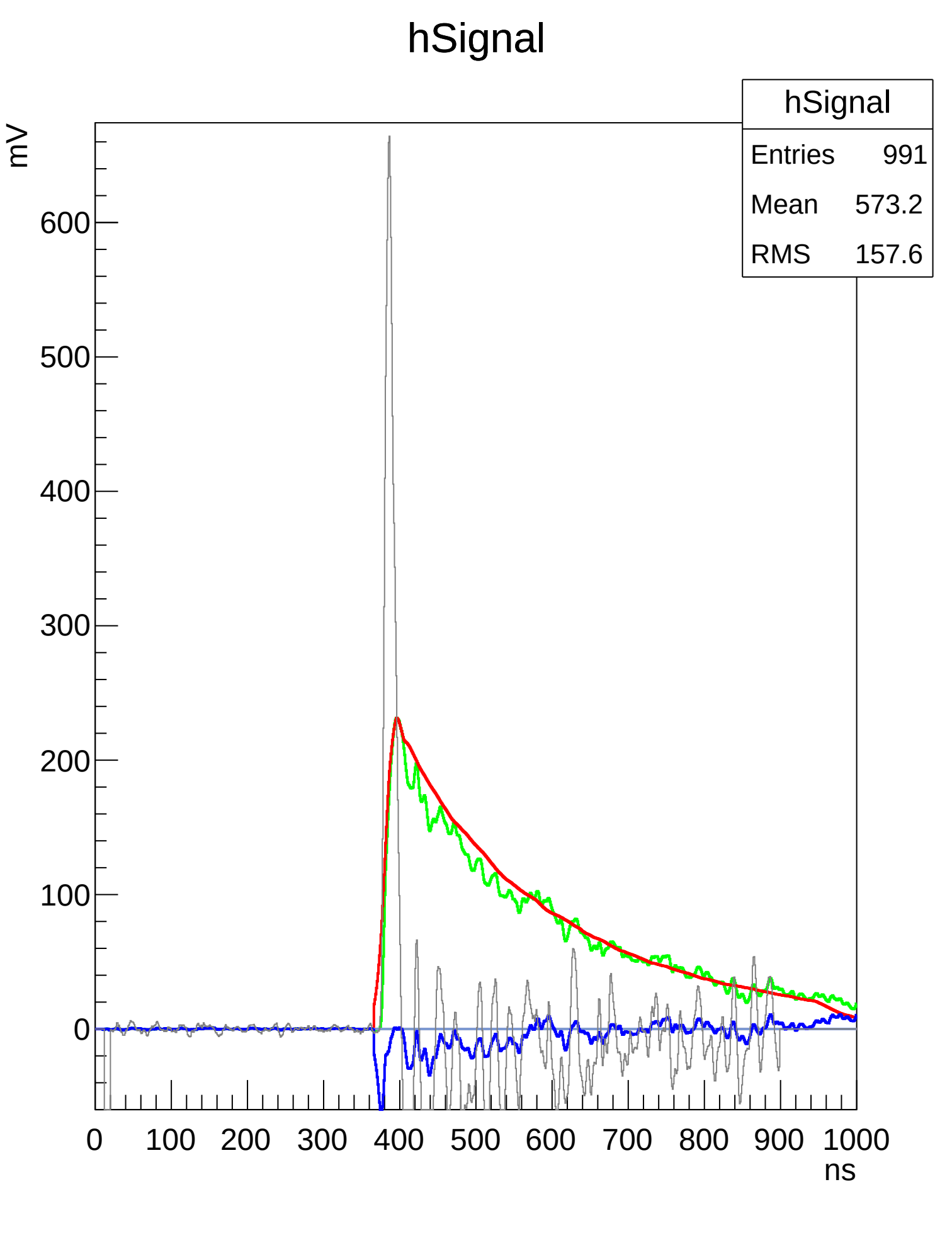

hSignal
hSignal
Entries 991
Mean 526.2
RMS 175
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

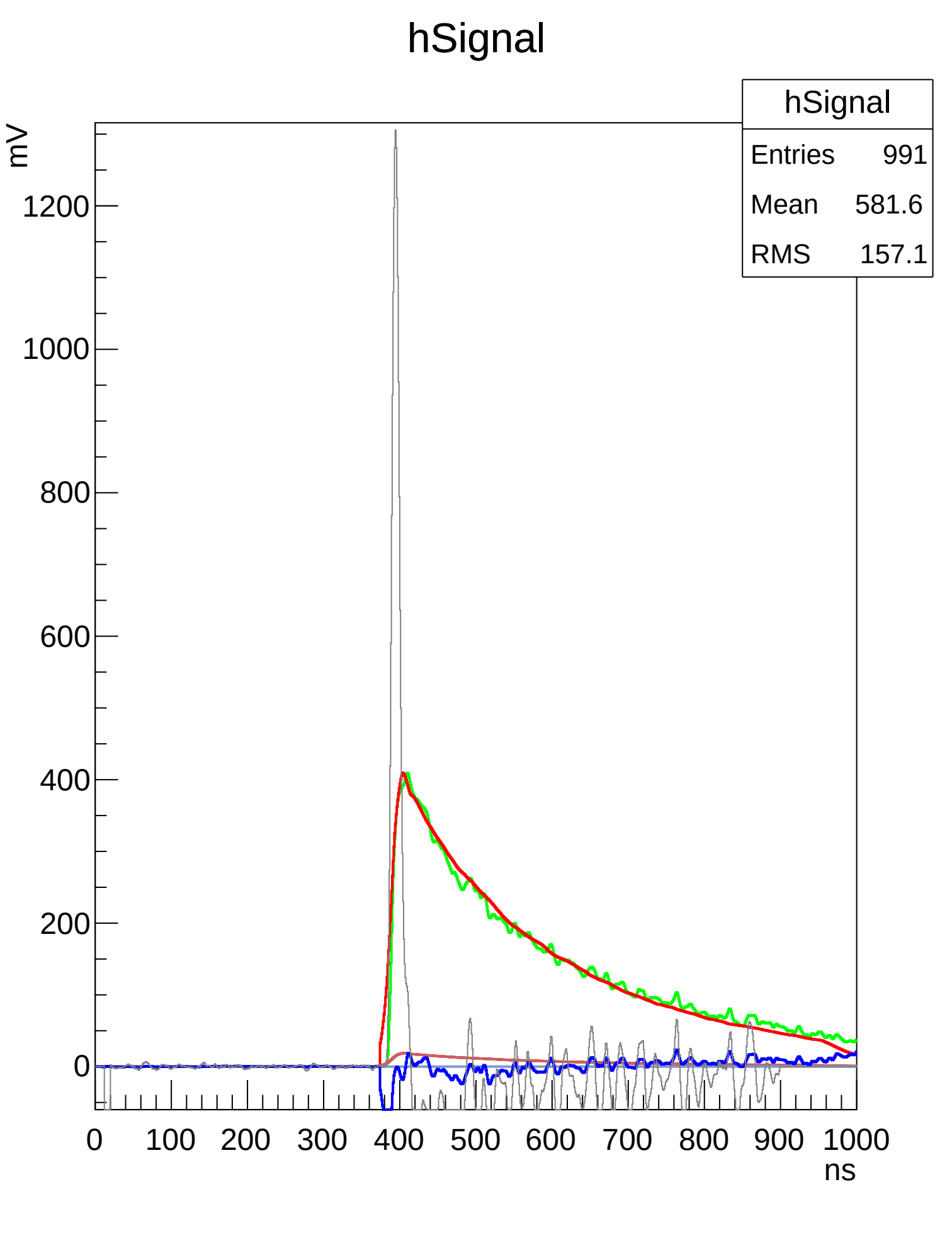

hSignal
hSignal
Entries 991
Mean 528.1
RMS 176.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

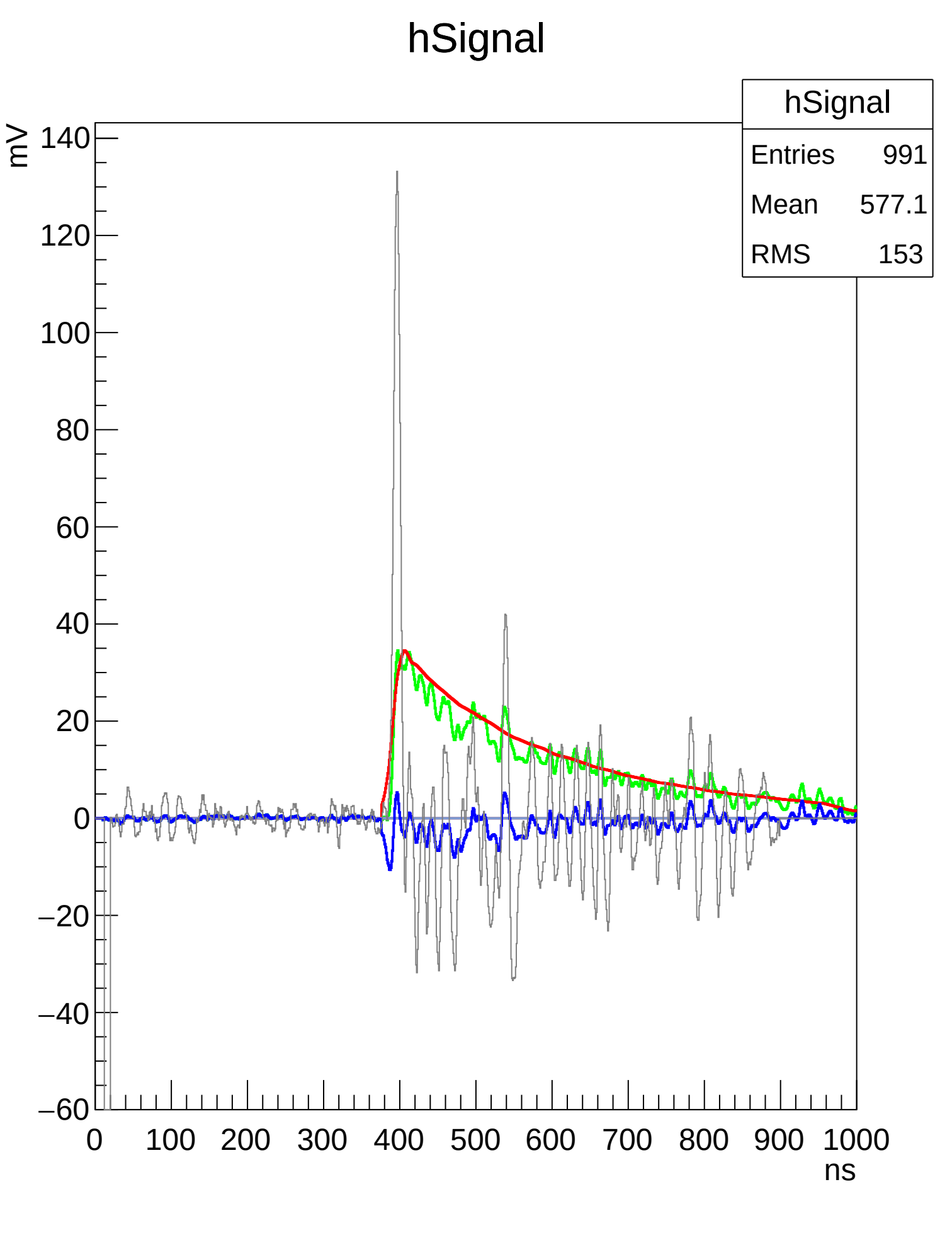

hSignal
hSignal
Entries 991
Mean 527.9
RMS 179.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

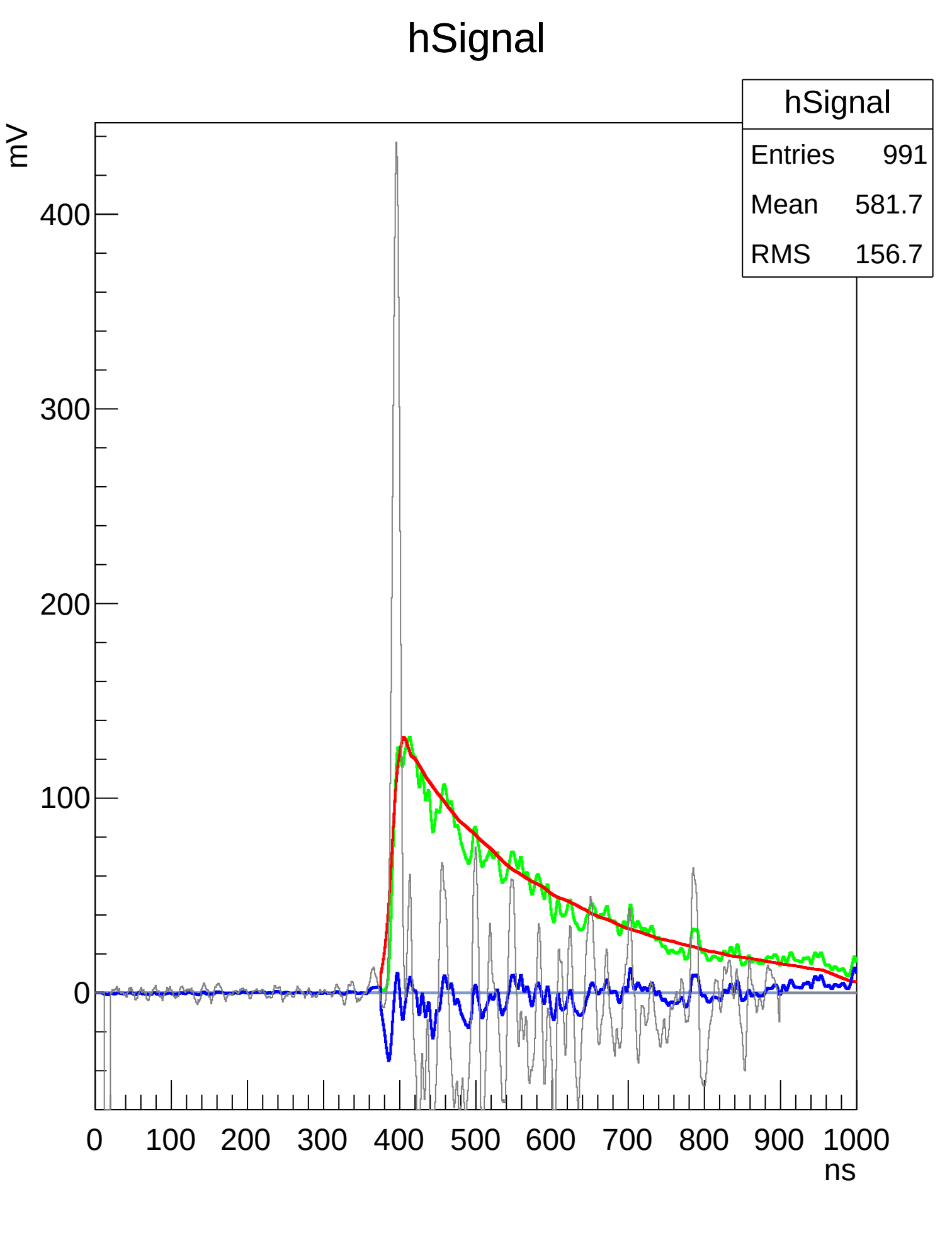

hSignal
hSignal
Entries 991
Mean 496.2
RMS 187
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

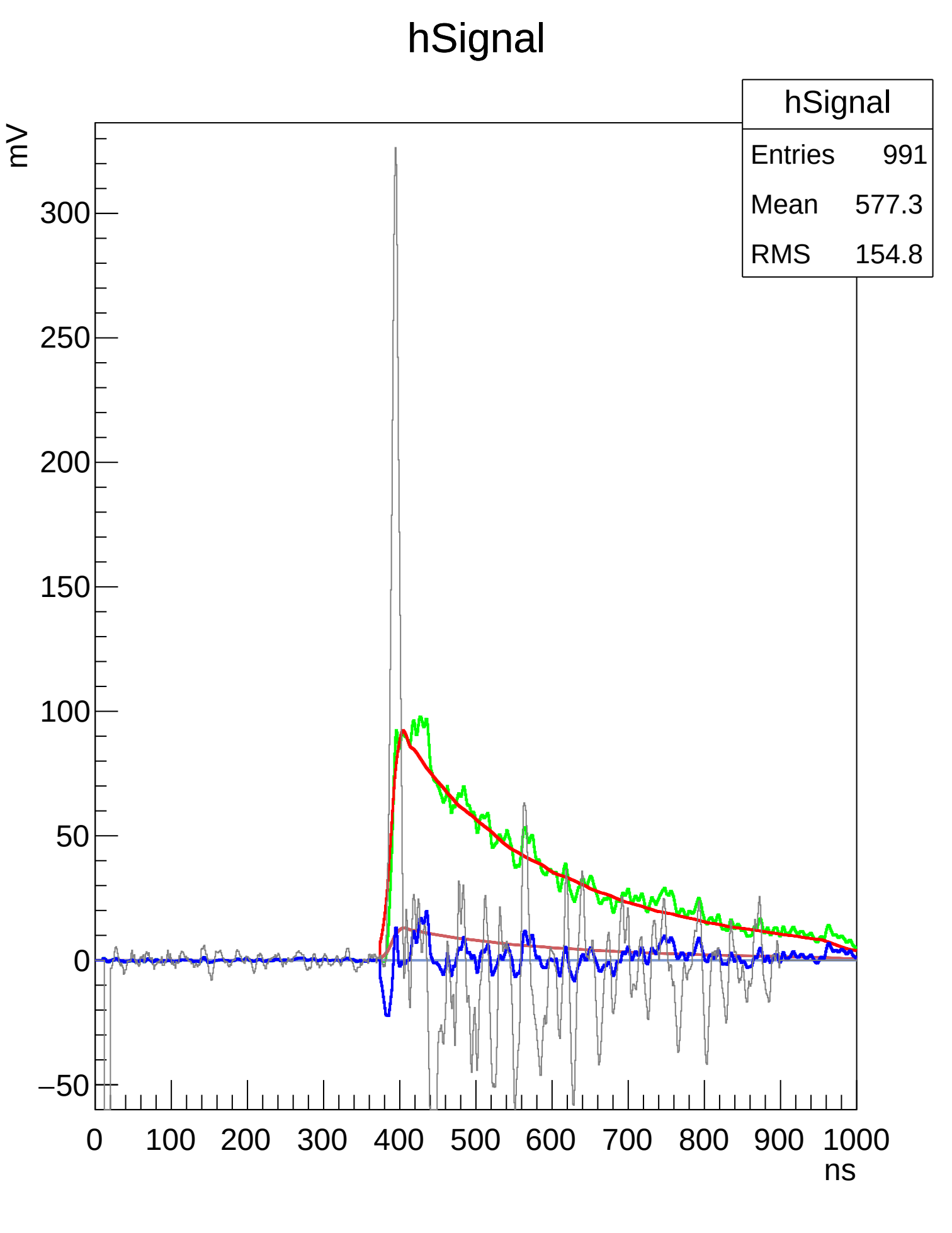

hSignal
hSignal
Entries 991
Mean 572.7
RMS 155.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

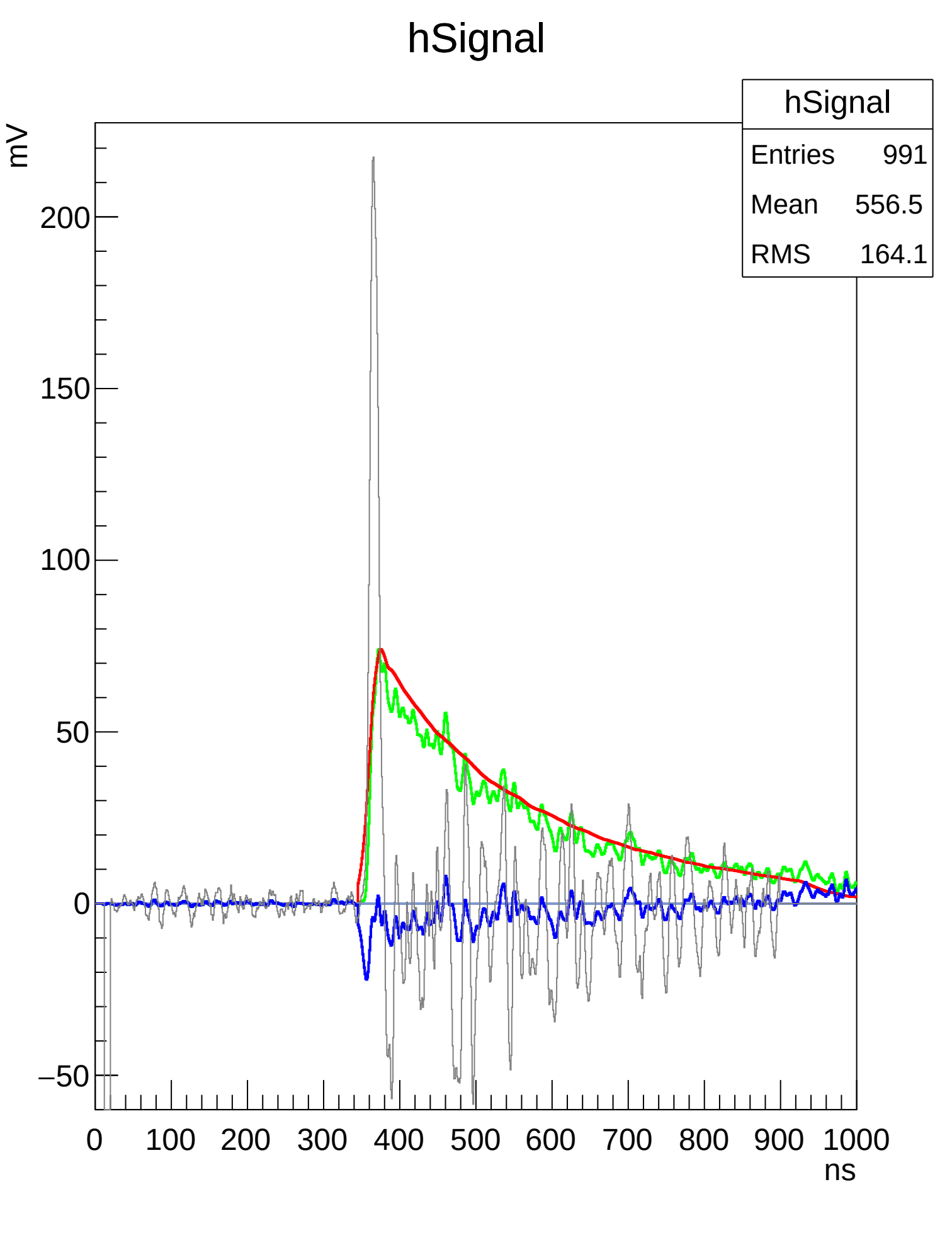

hSignal
hSignal
Entries 991
Mean 573.2
RMS 157.6
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

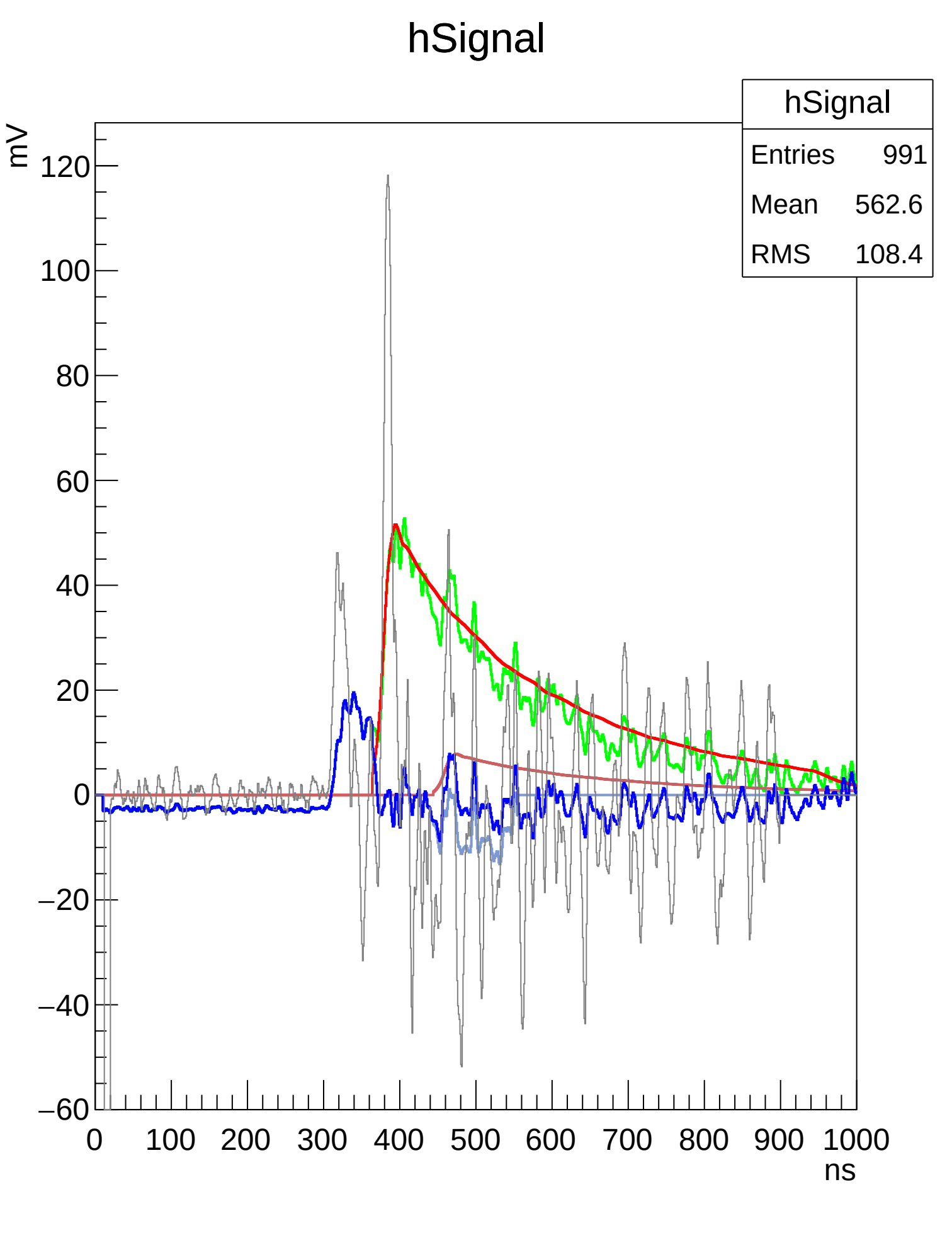

hSignal
hSignal
Entries 991
Mean 581.6
RMS 157.1
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

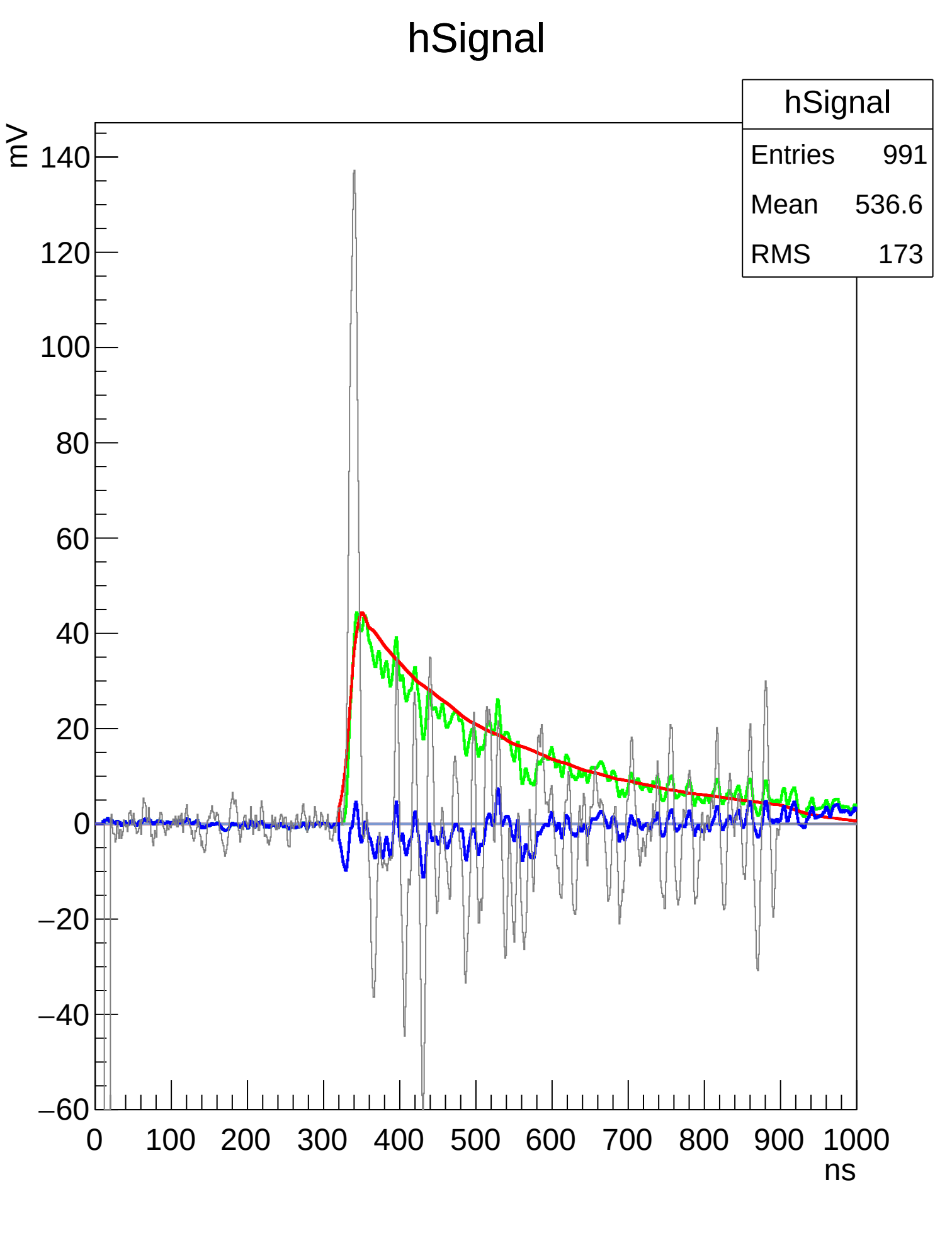

hSignal
hSignal
Entries 991
Mean 577.1
RMS 153
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

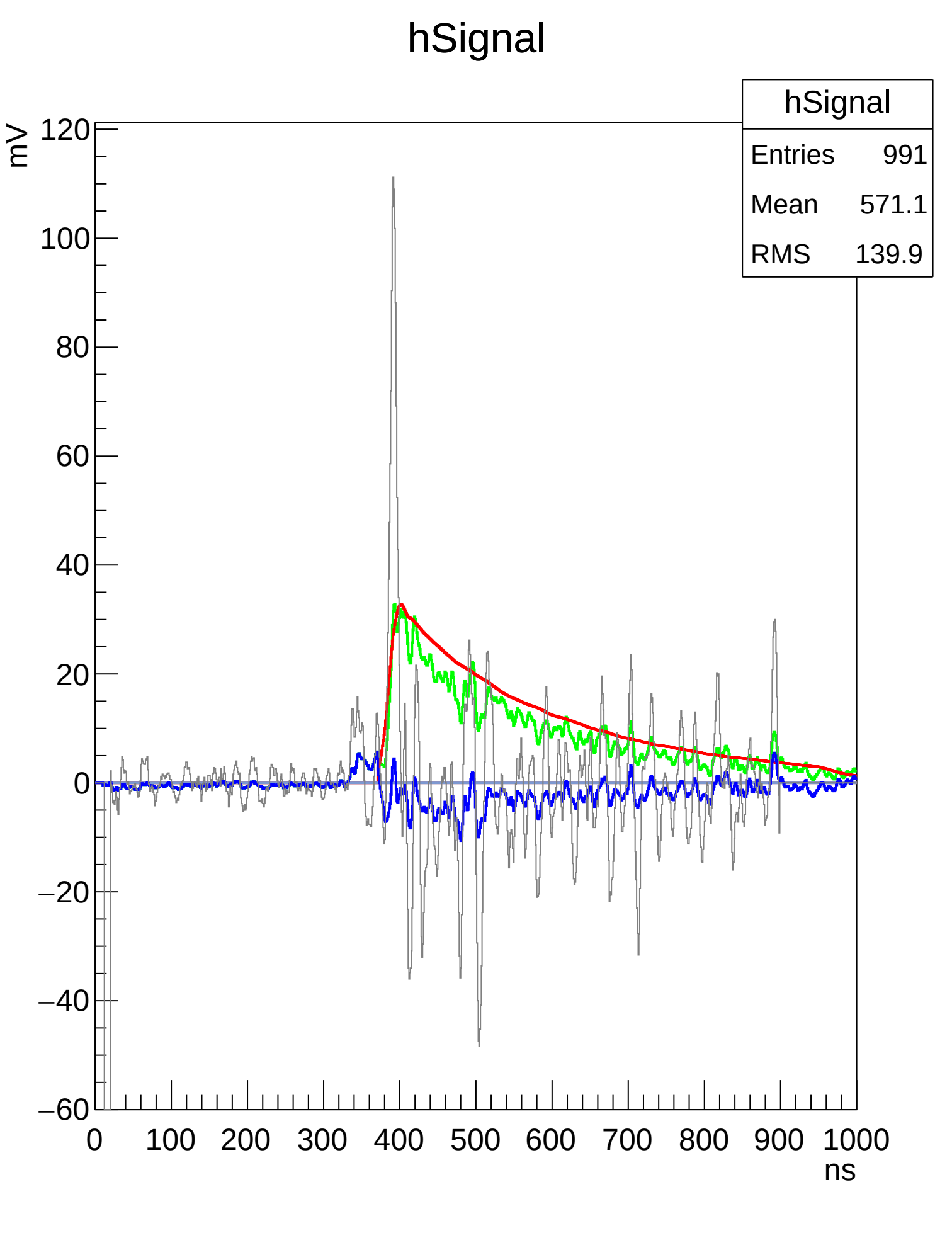

hSignal
hSignal
Entries 991
Mean 581.7
RMS 156.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

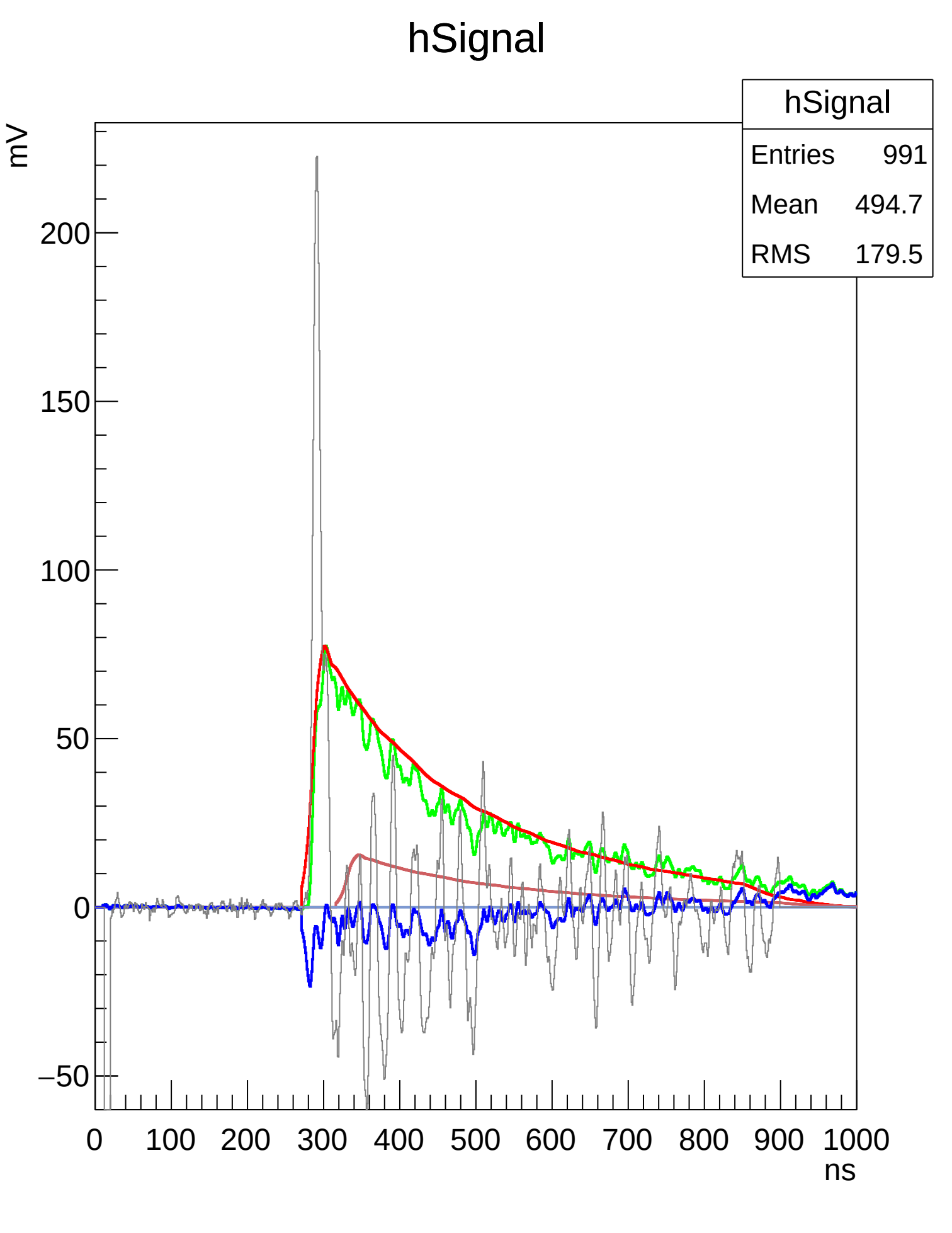

hSignal
hSignal
Entries 991
Mean 577.3
RMS 154.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

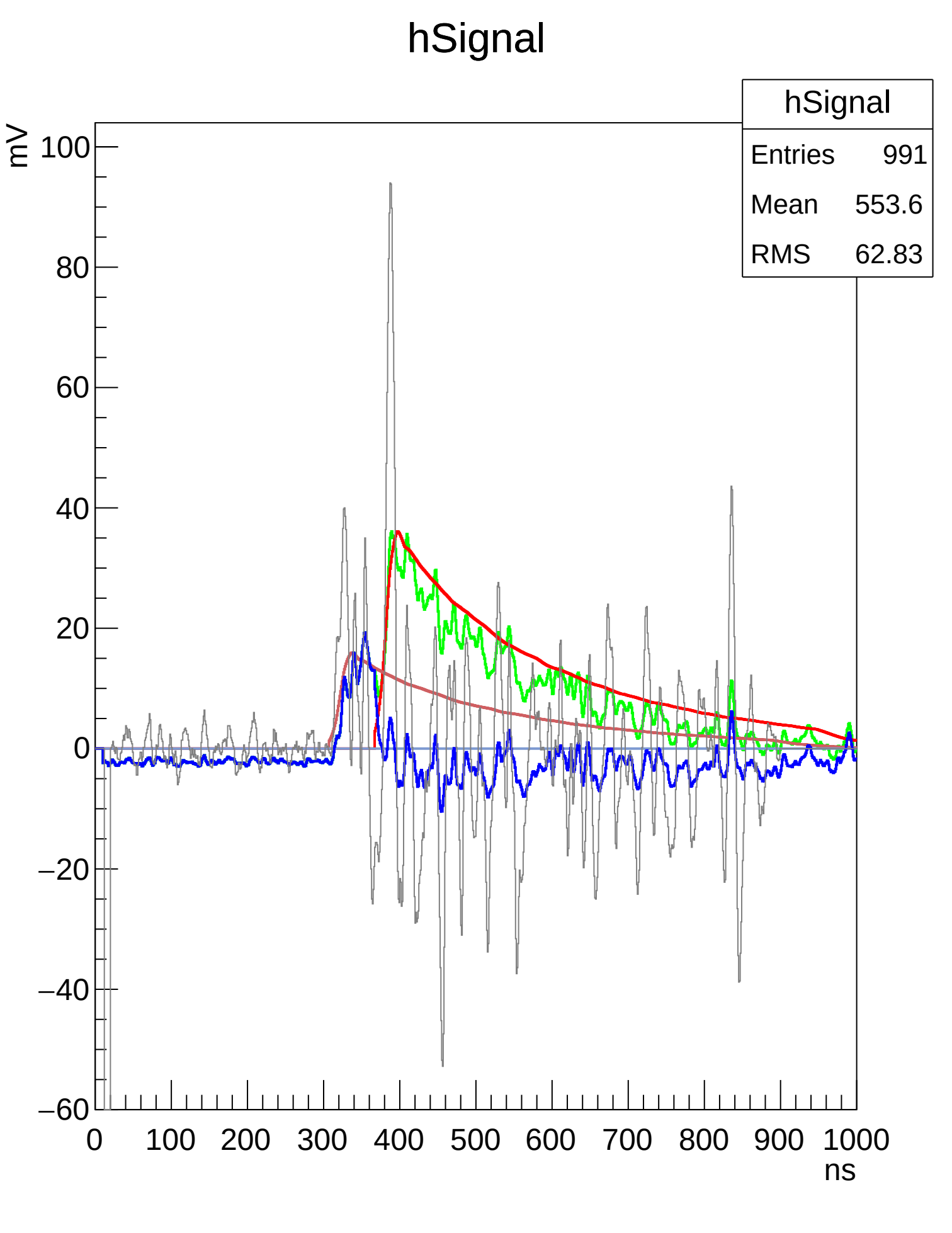

hSignal
hSignal
Entries 991
Mean 556.5
RMS 164.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

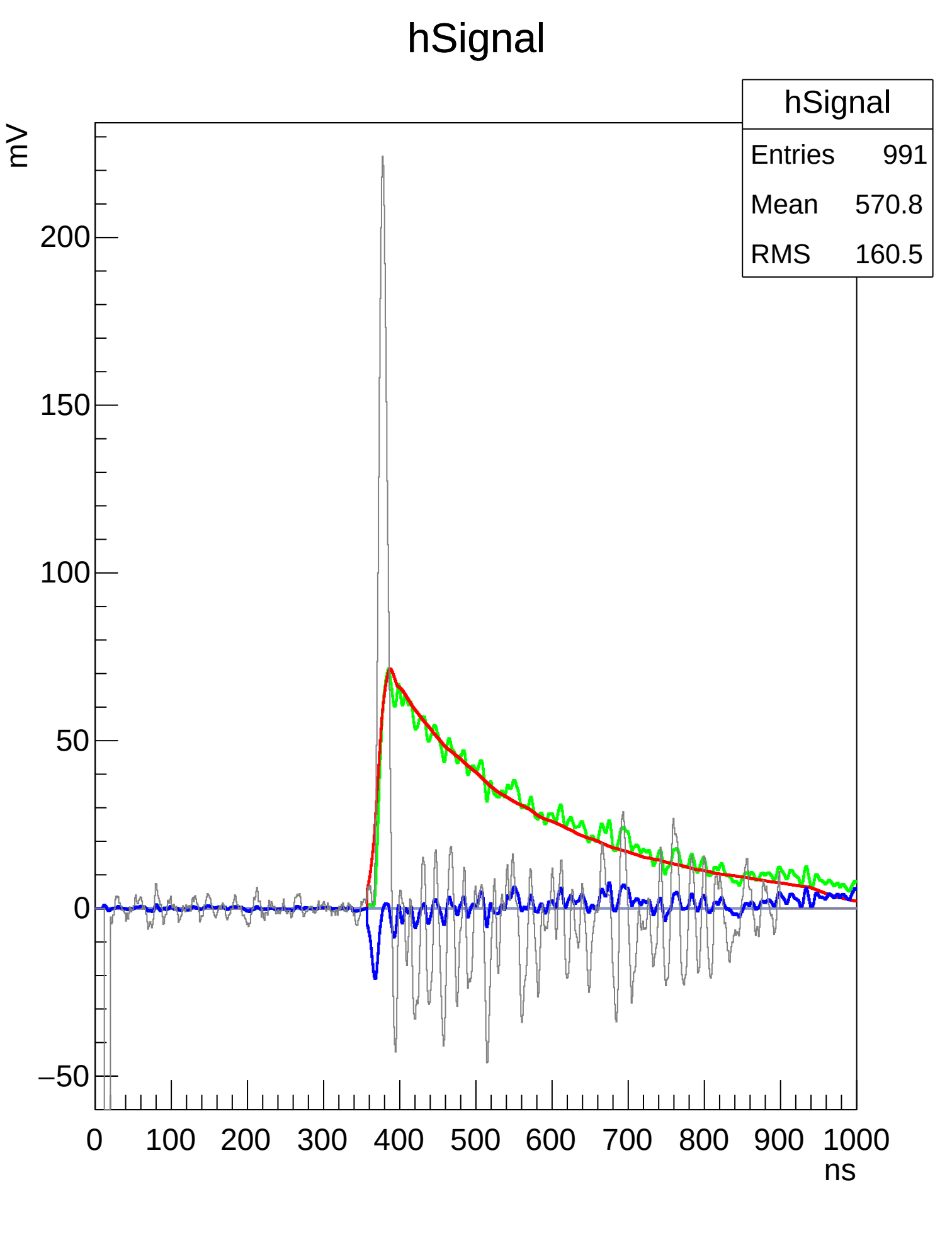

hSignal
hSignal
Entries 991
Mean 562.6
RMS 108.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

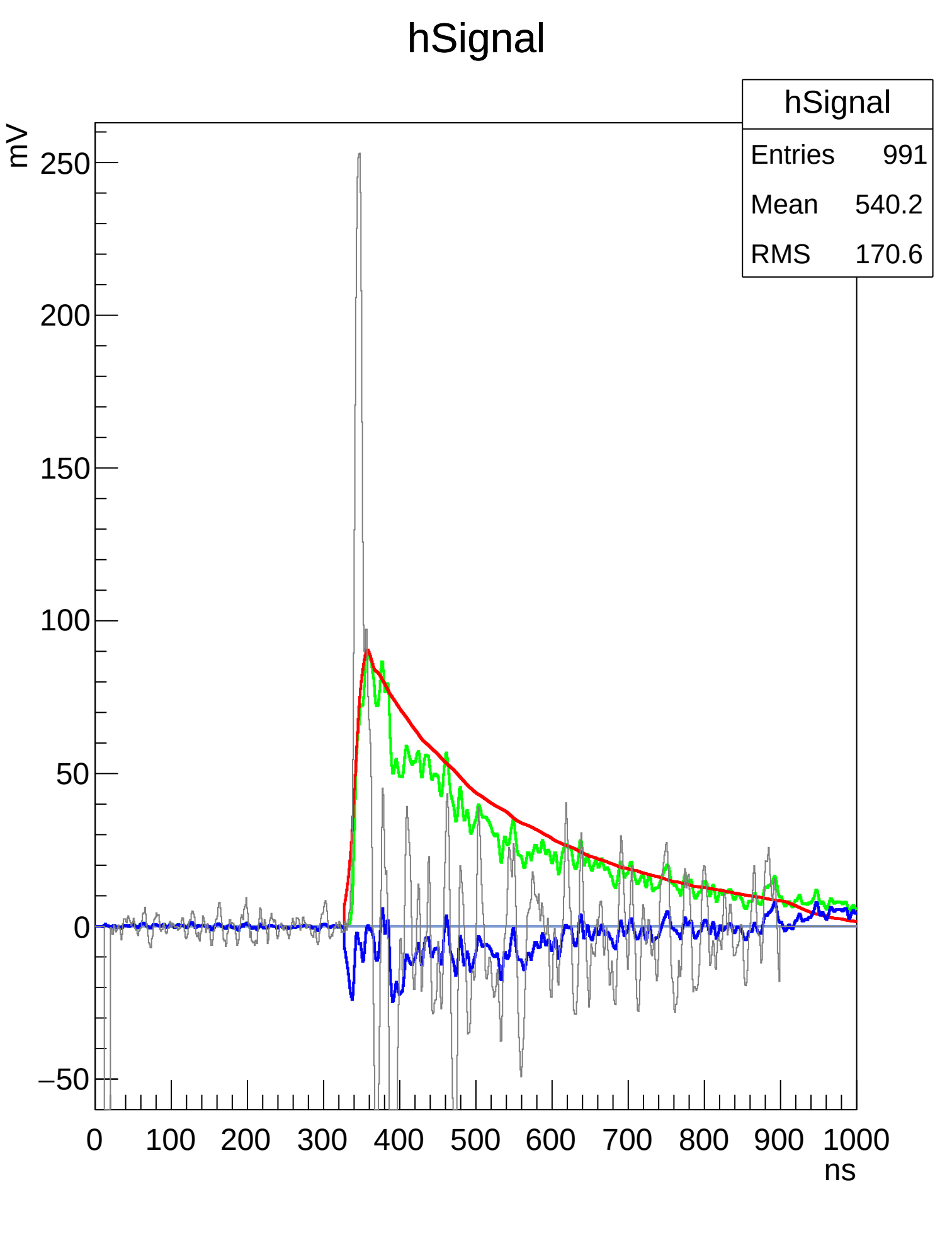

hSignal
hSignal
Entries 991
Mean 536.6
RMS 173
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

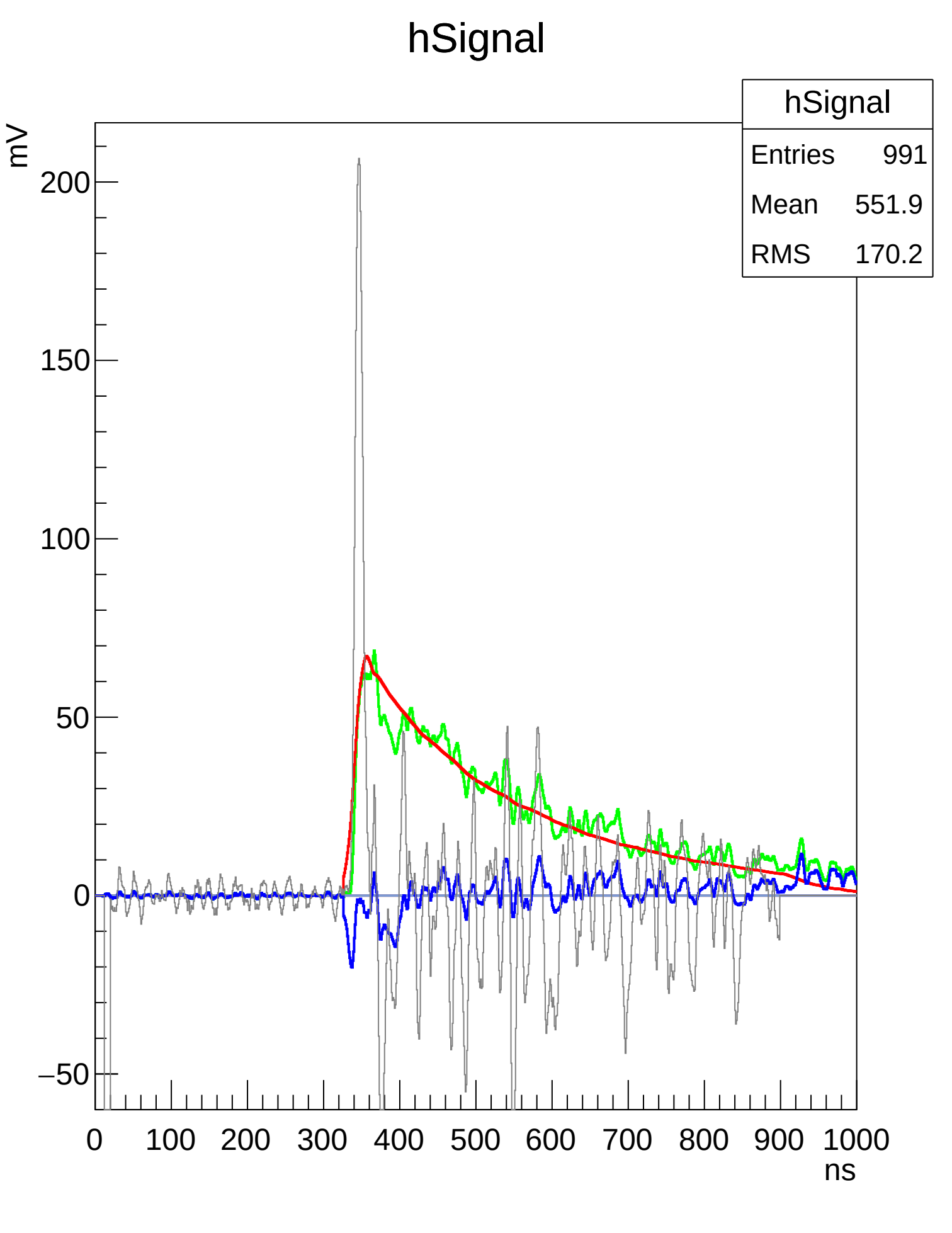

hSignal
hSignal
Entries 991
Mean 571.1
RMS 139.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

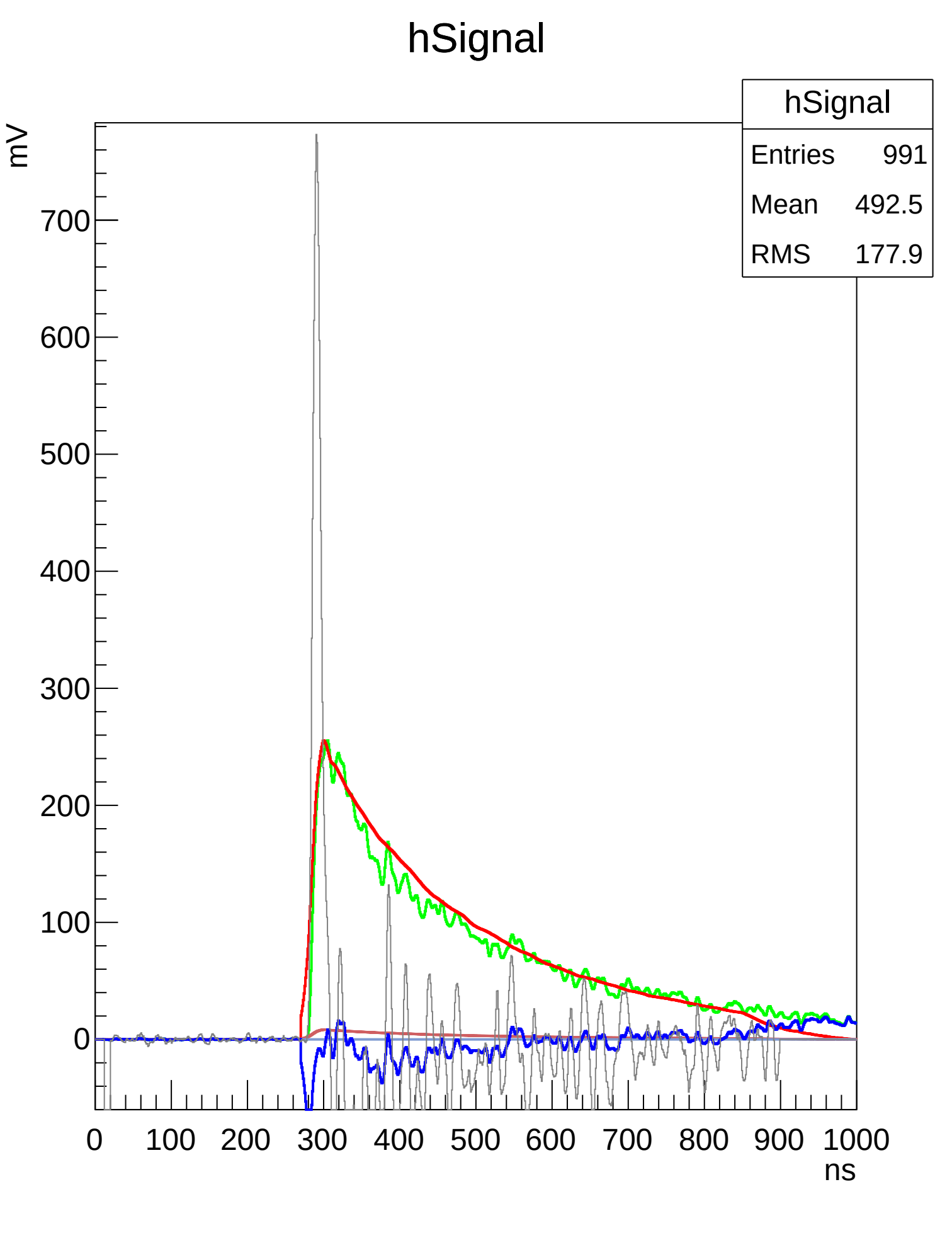

hSignal
hSignal
Entries 991
Mean 494.7
RMS 179.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

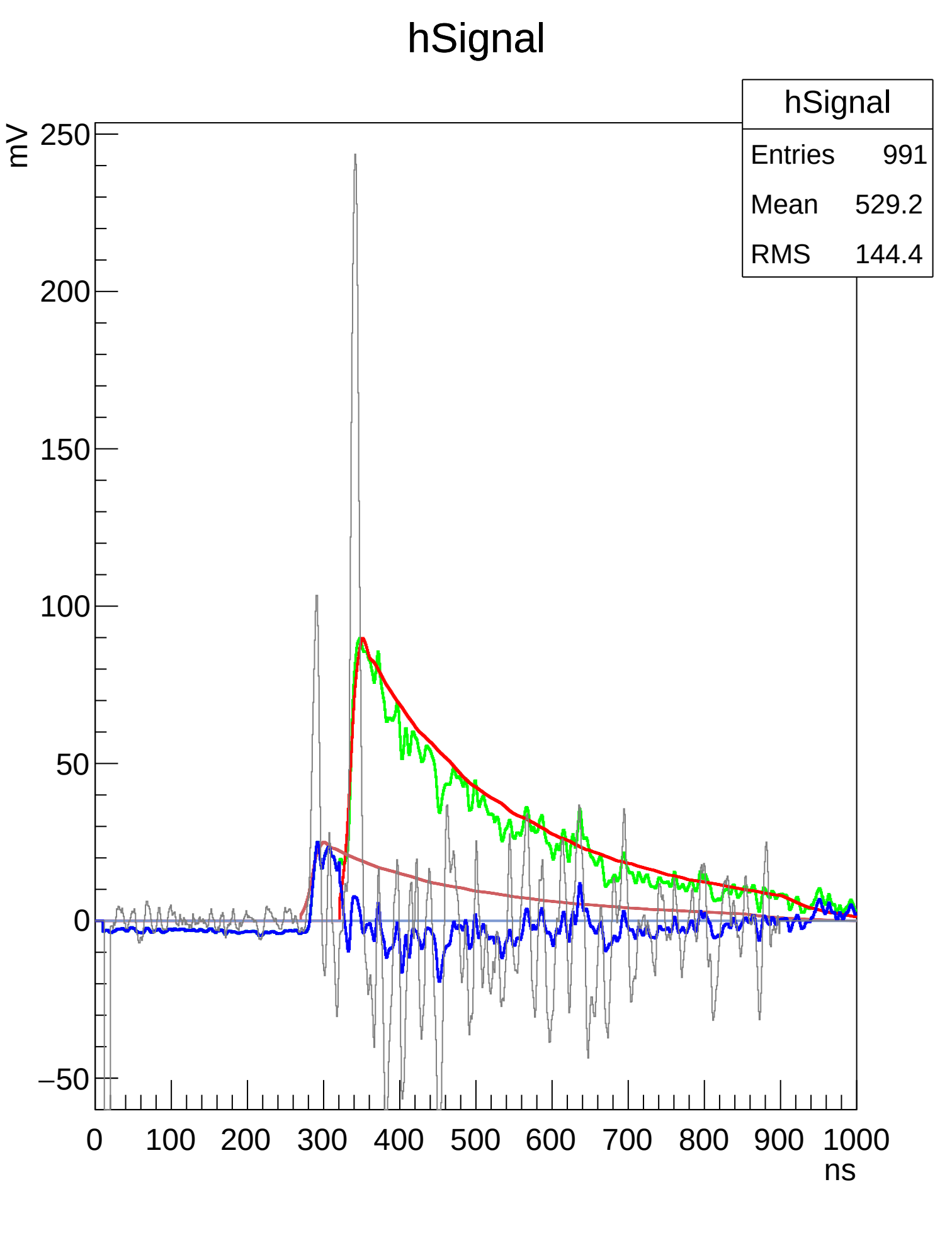

hSignal
hSignal
Entries 991
Mean 553.6
RMS 62.83
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

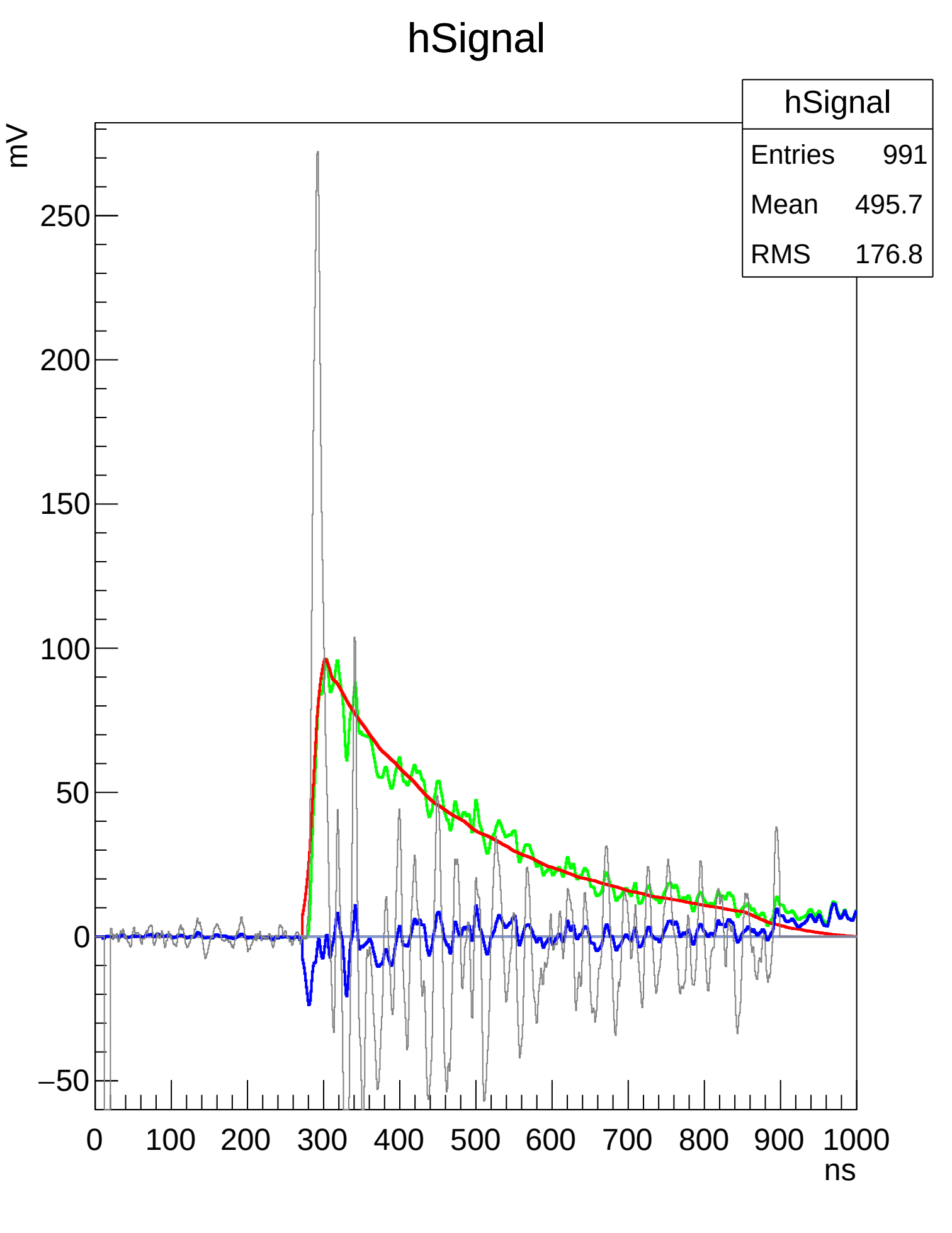

hSignal
hSignal
Entries 991
Mean 570.8
RMS 160.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

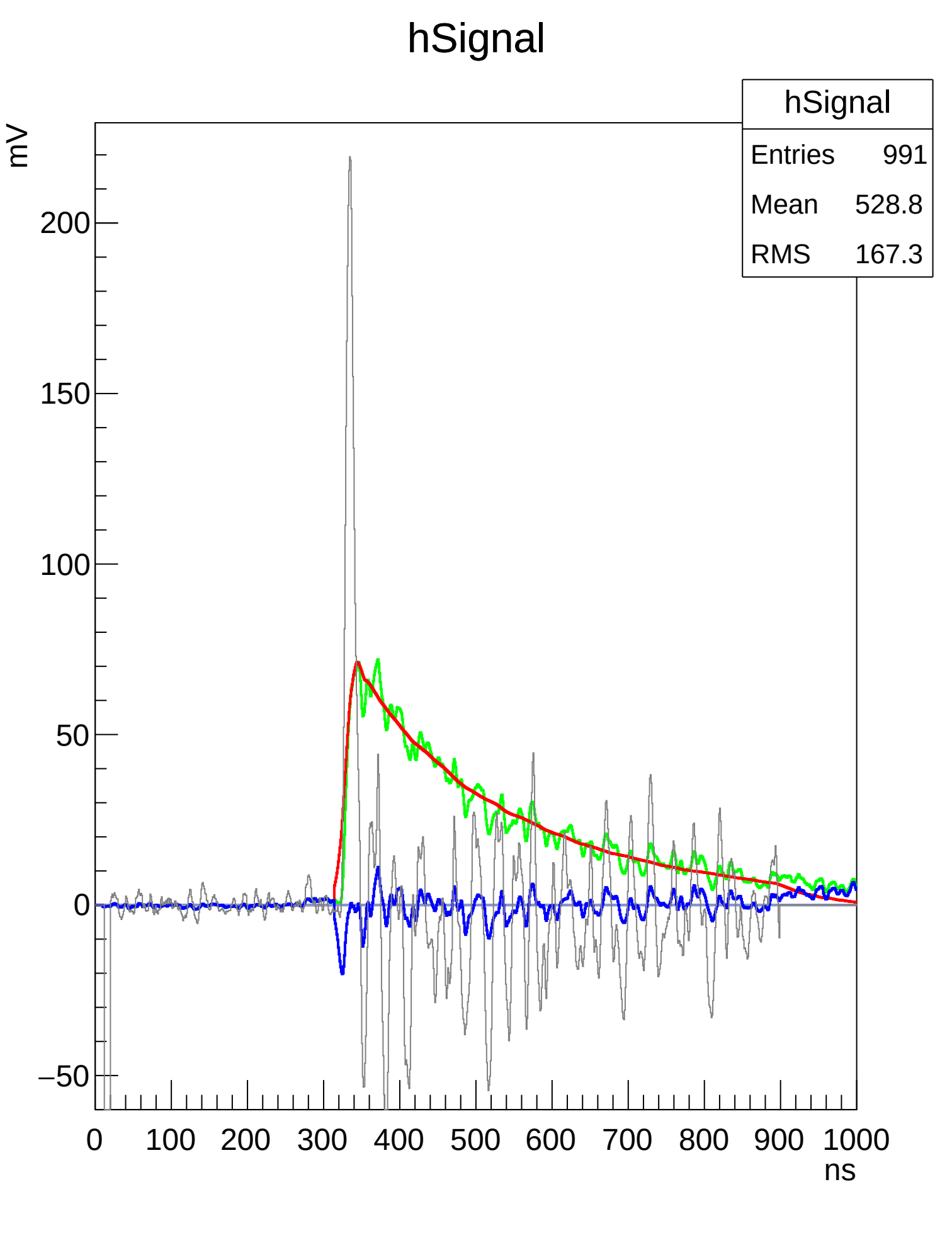

hSignal
hSignal
Entries 991
Mean 540.2
RMS 170.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

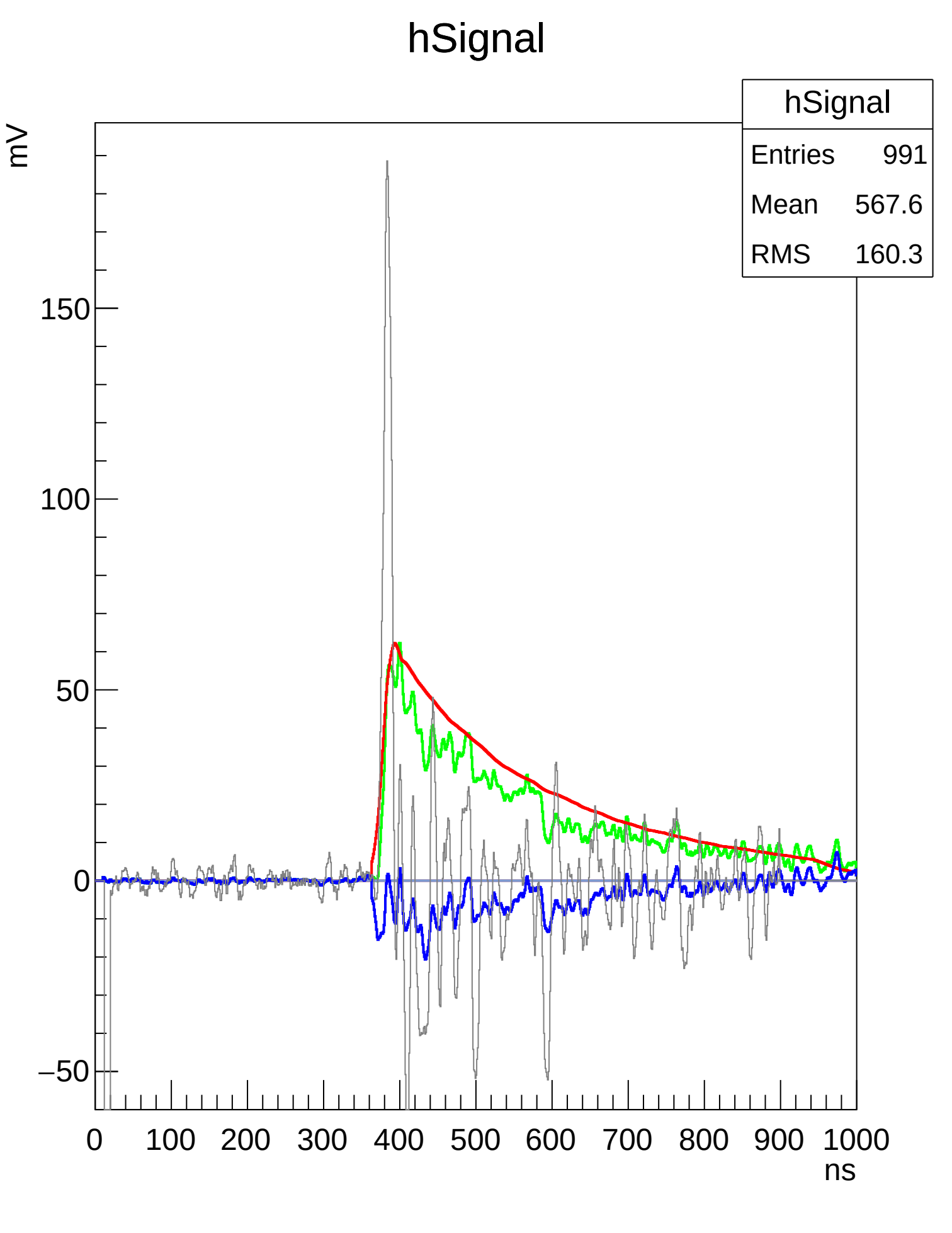

hSignal
hSignal
Entries 991
Mean 551.9
RMS 170.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

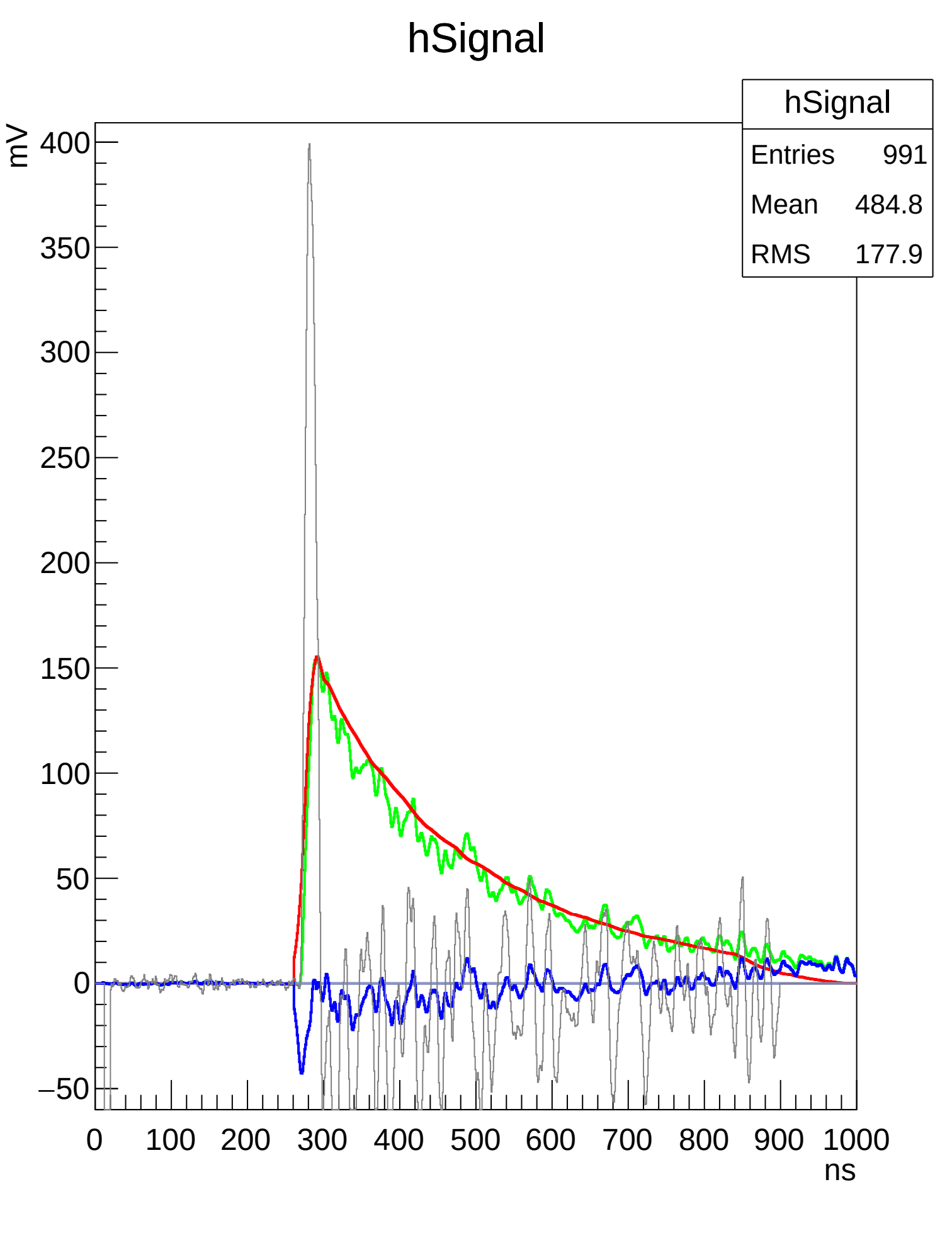

hSignal
hSignal
Entries 991
Mean 492.5
RMS 177.9
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

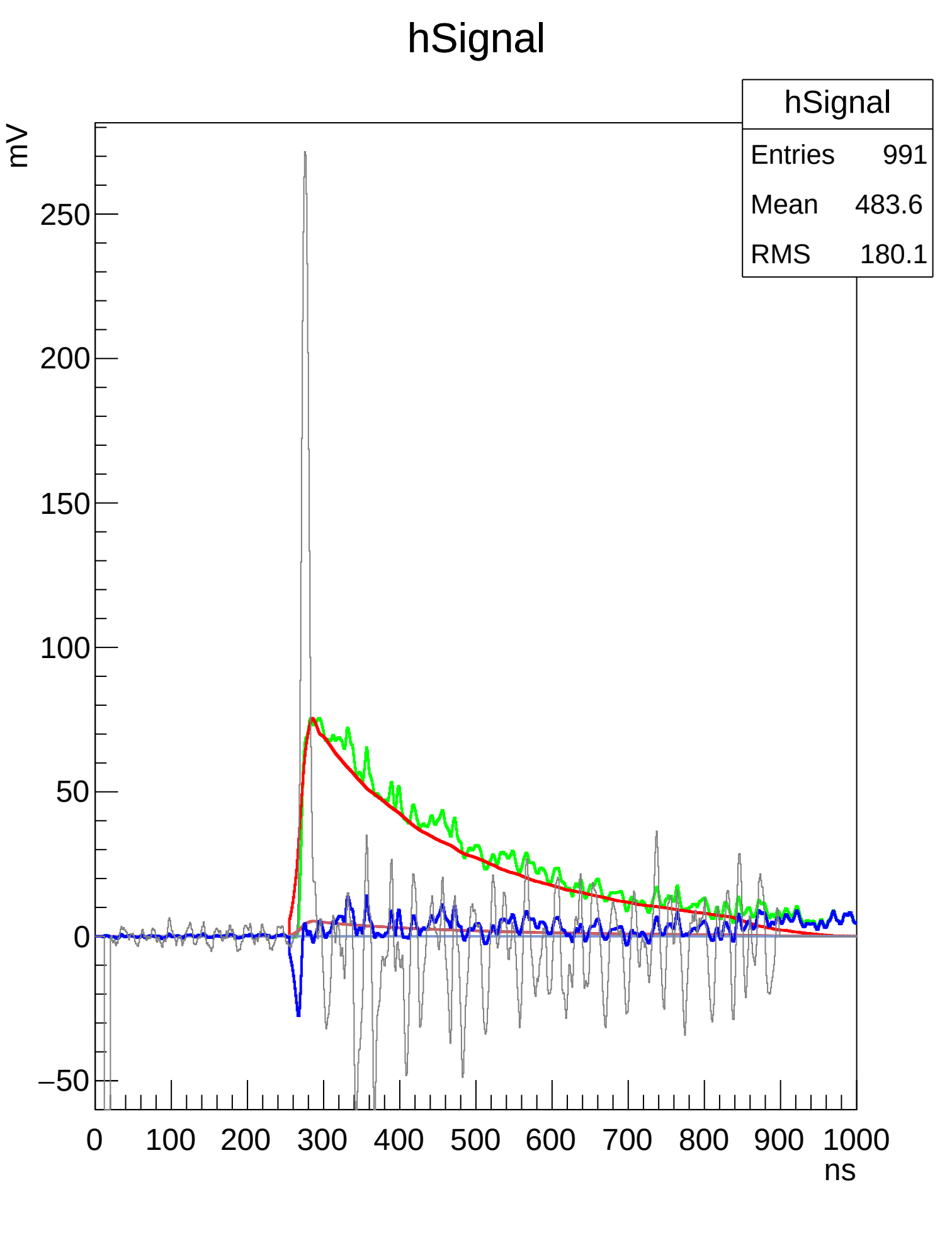

hSignal
hSignal
Entries 991
Mean 529.2
RMS 144.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

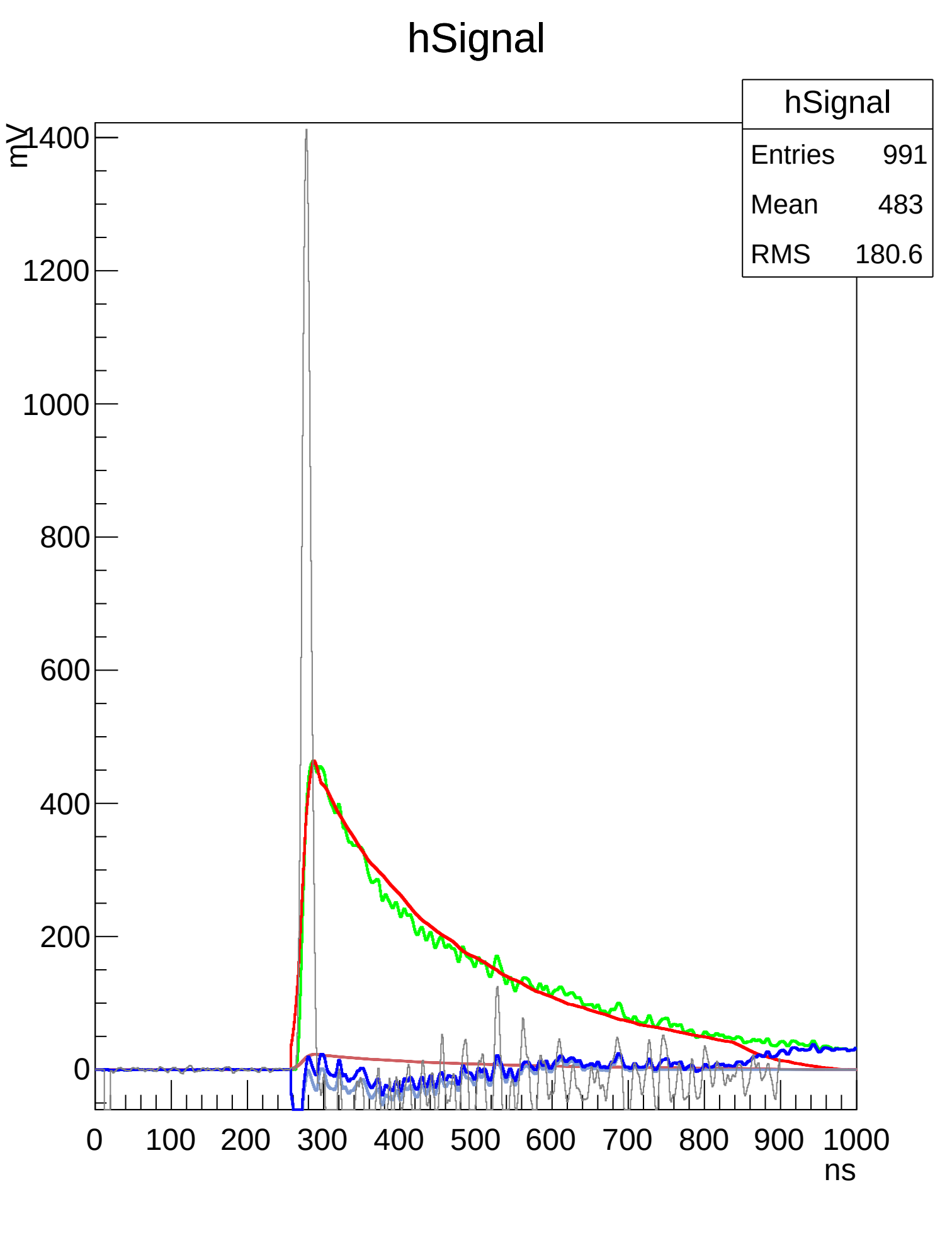

hSignal
hSignal
Entries 991
Mean 495.7
RMS 176.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

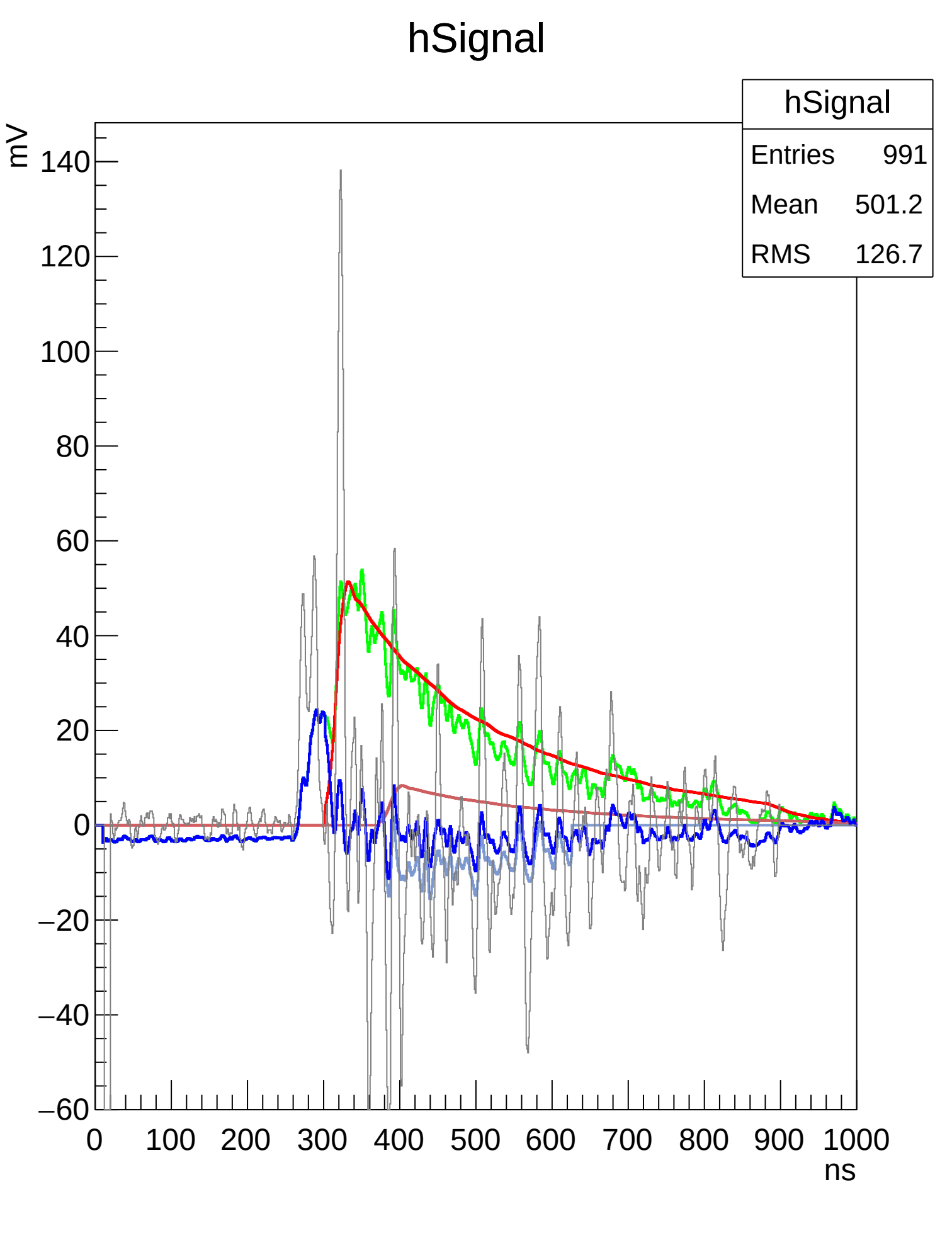

hSignal
hSignal
Entries 991
Mean 528.8
RMS 167.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

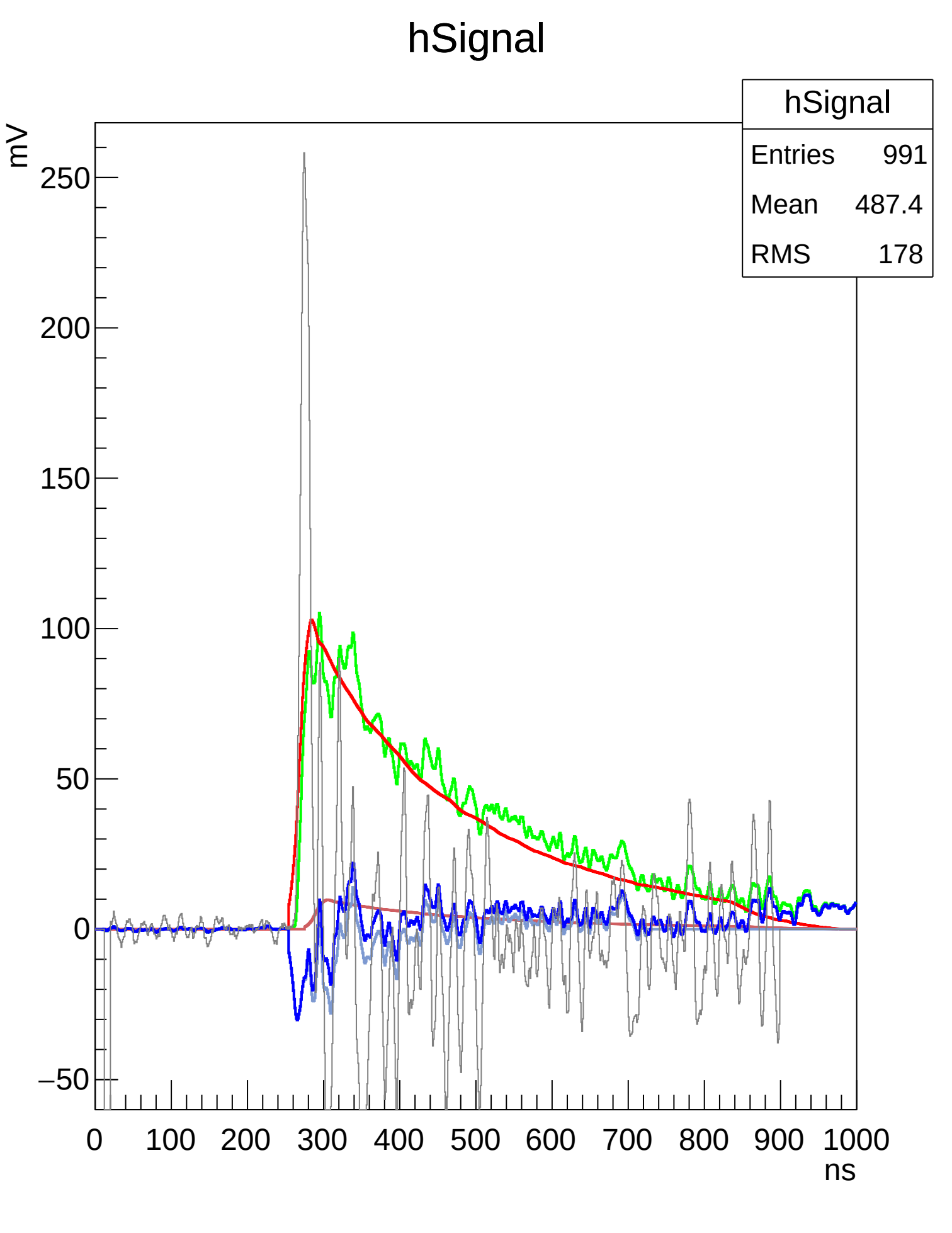

hSignal
hSignal
Entries 991
Mean 567.6
RMS 160.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

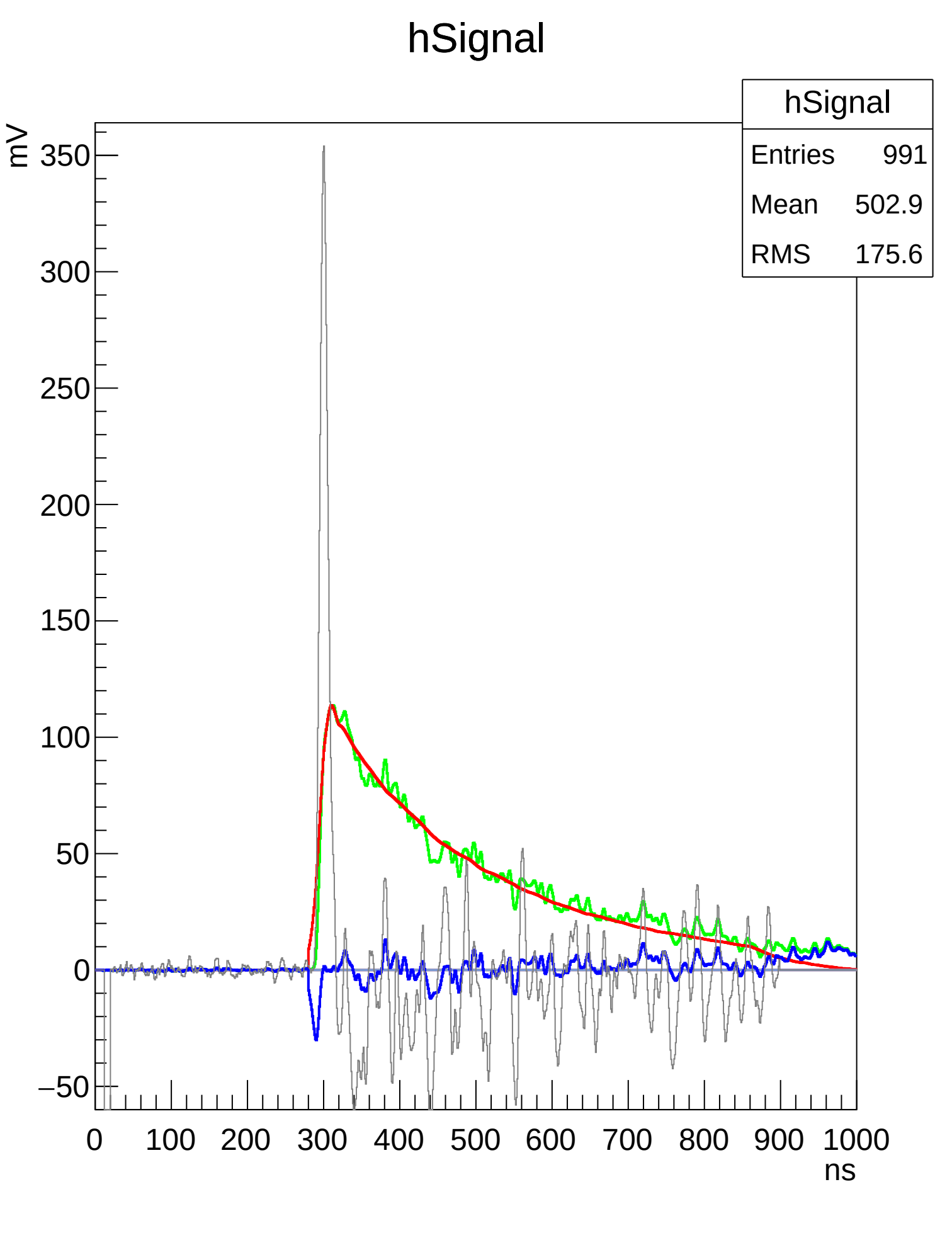

hSignal
hSignal
Entries 991
Mean 484.8
RMS 177.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

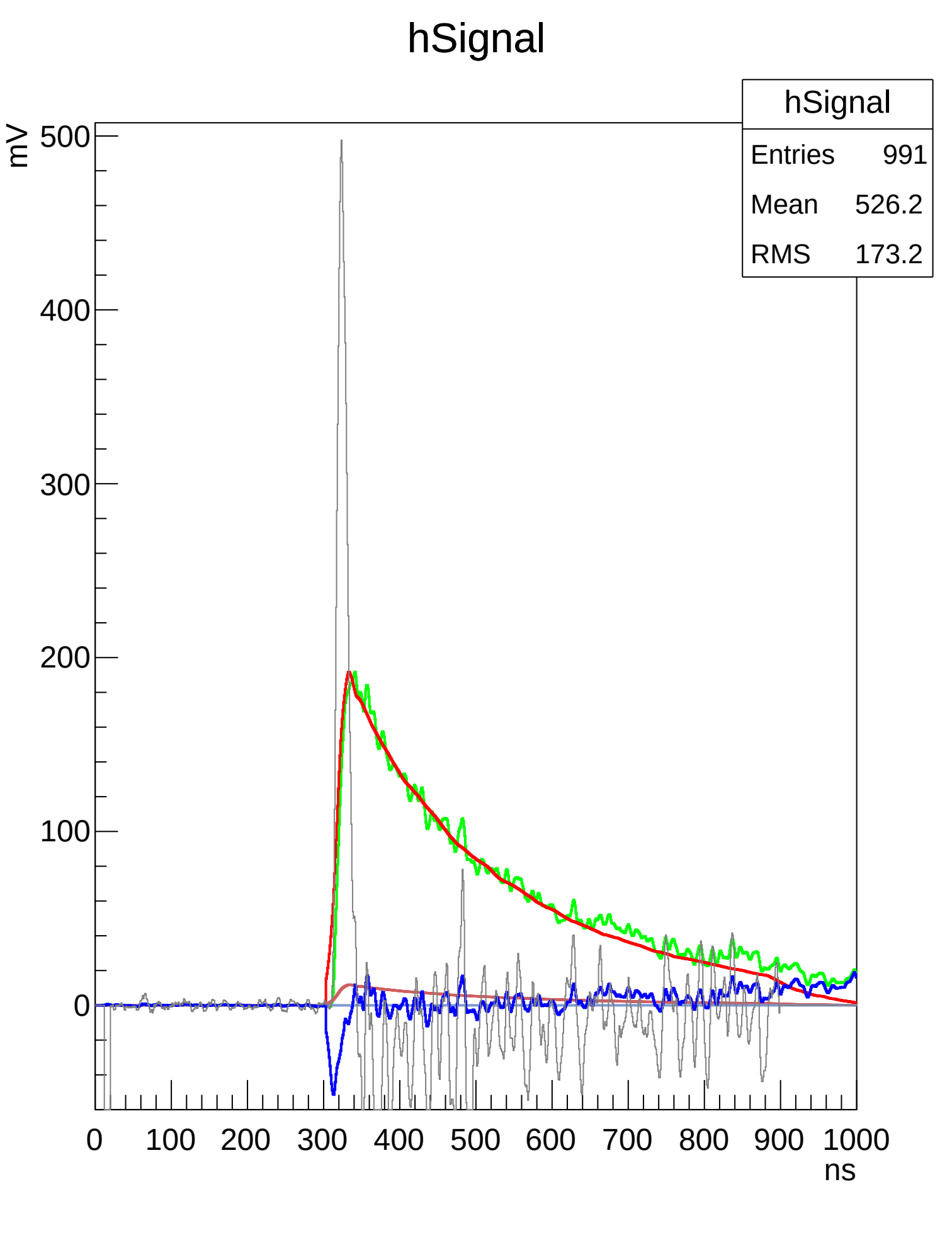

hSignal
hSignal
Entries 991
Mean 483.6
RMS 180.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

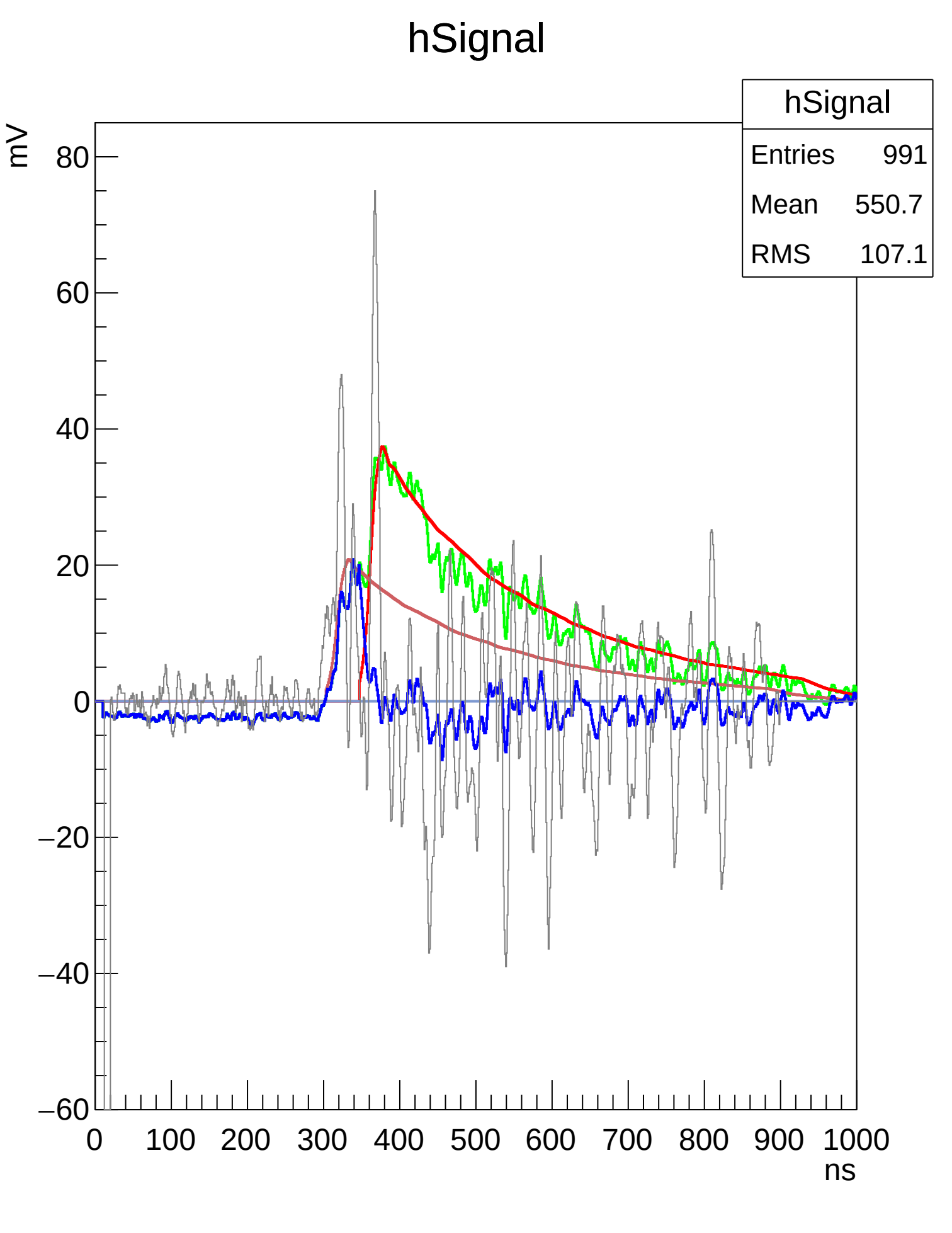

hSignal
hSignal
Entries 991
Mean 483
RMS 180.6
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

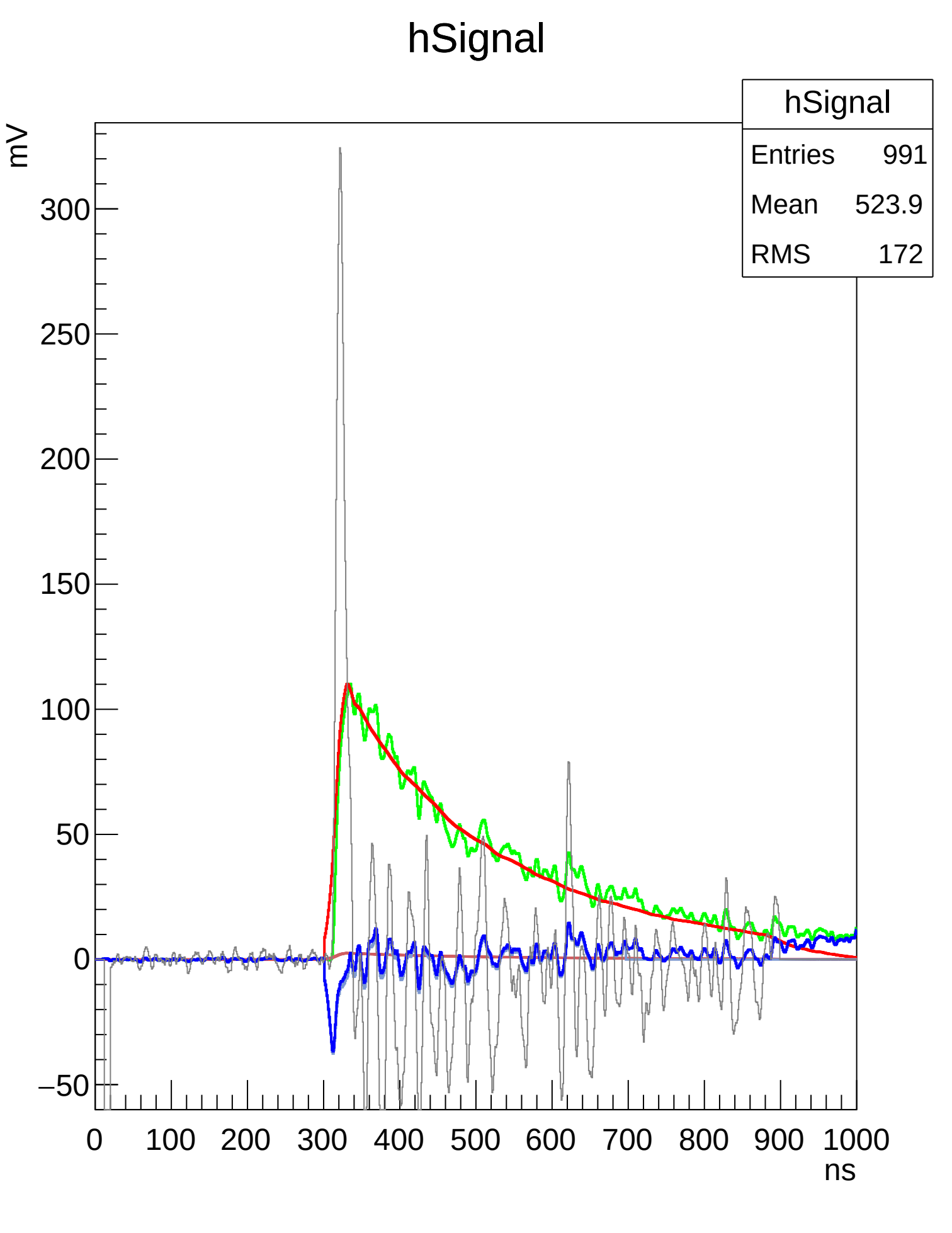

hSignal
hSignal
Entries 991
Mean 501.2
RMS 126.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

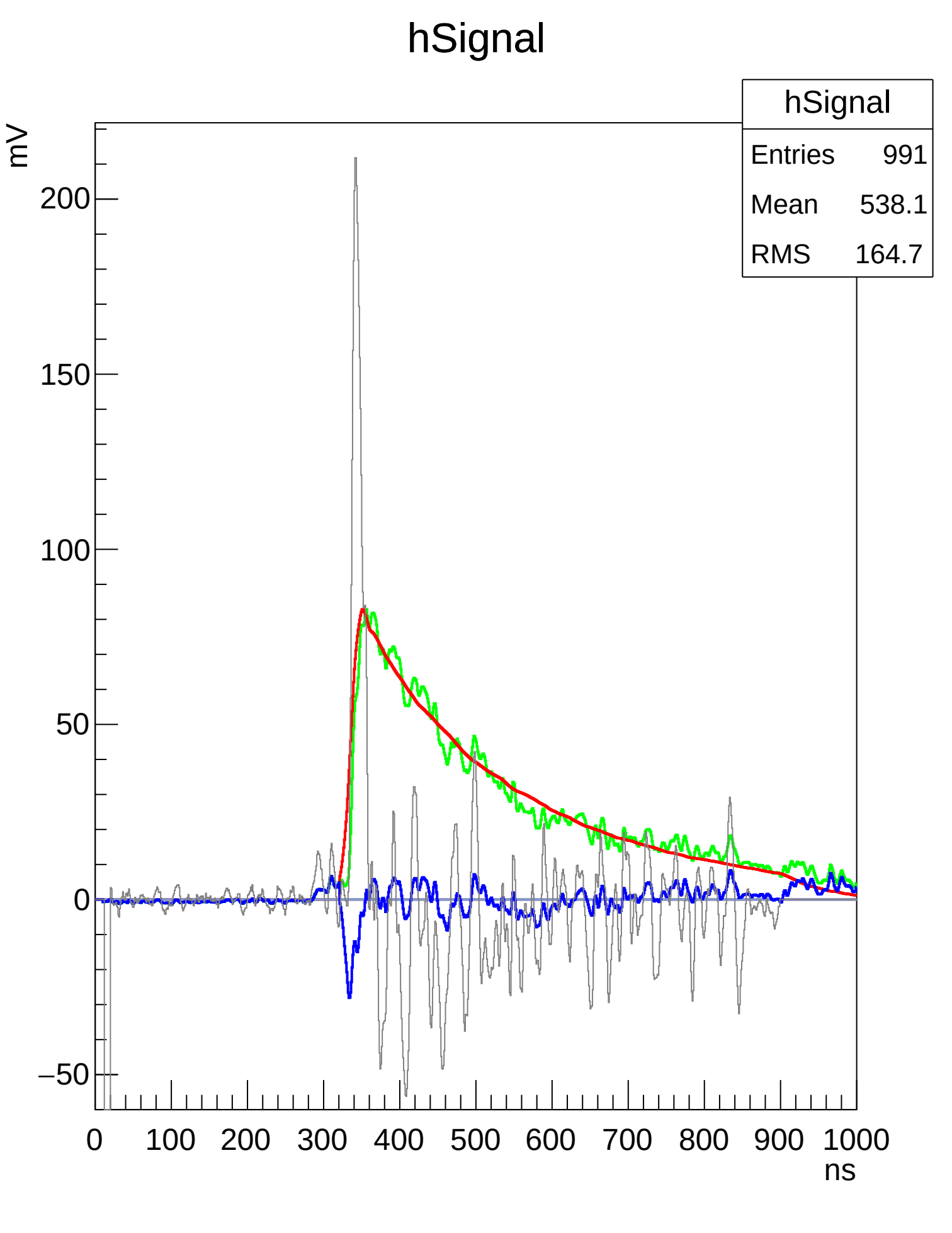

hSignal
hSignal
Entries 991
Mean 487.4
RMS 178
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

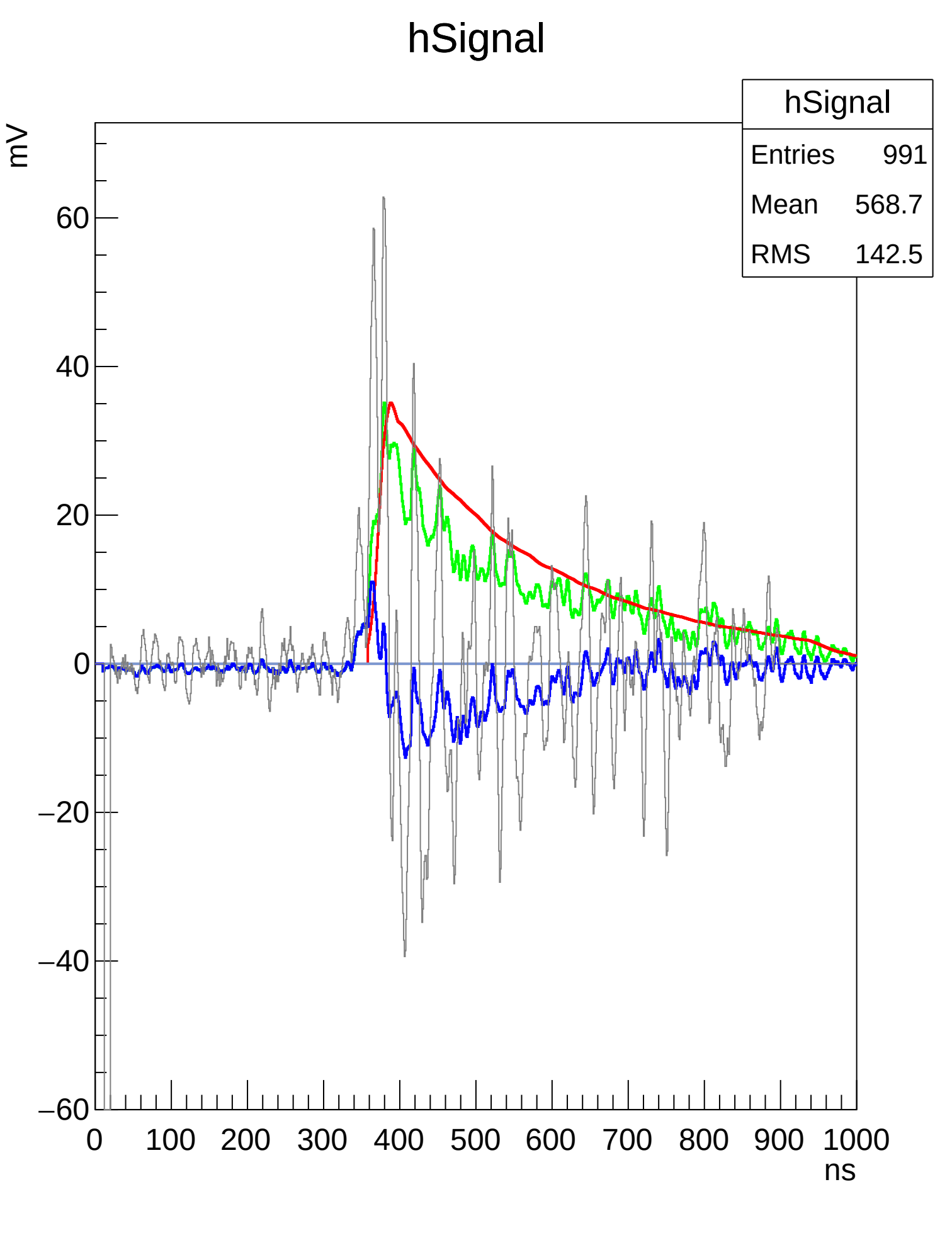

hSignal
hSignal
Entries 991
Mean 502.9
RMS 175.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

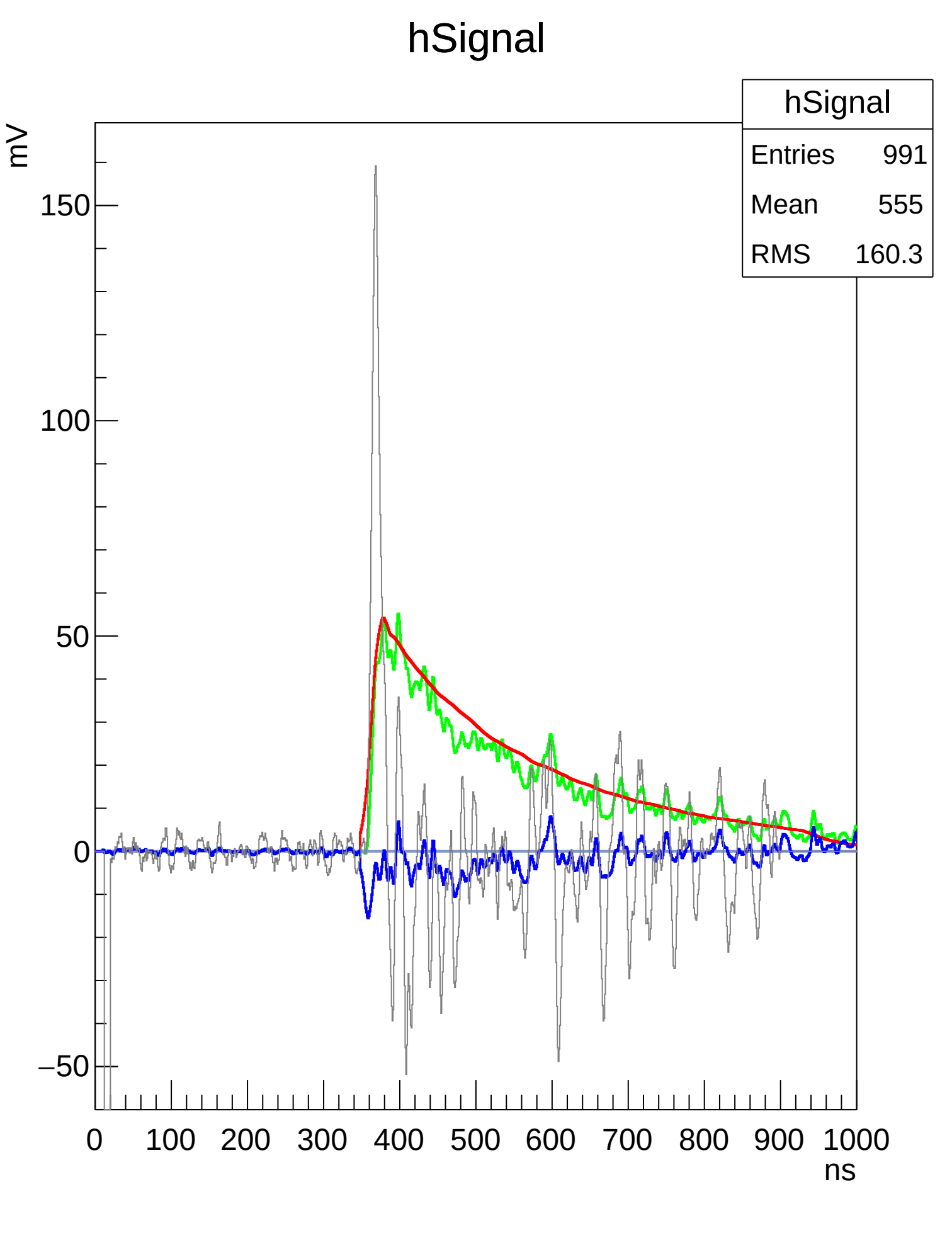

hSignal
hSignal
Entries 991
Mean 526.2
RMS 173.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

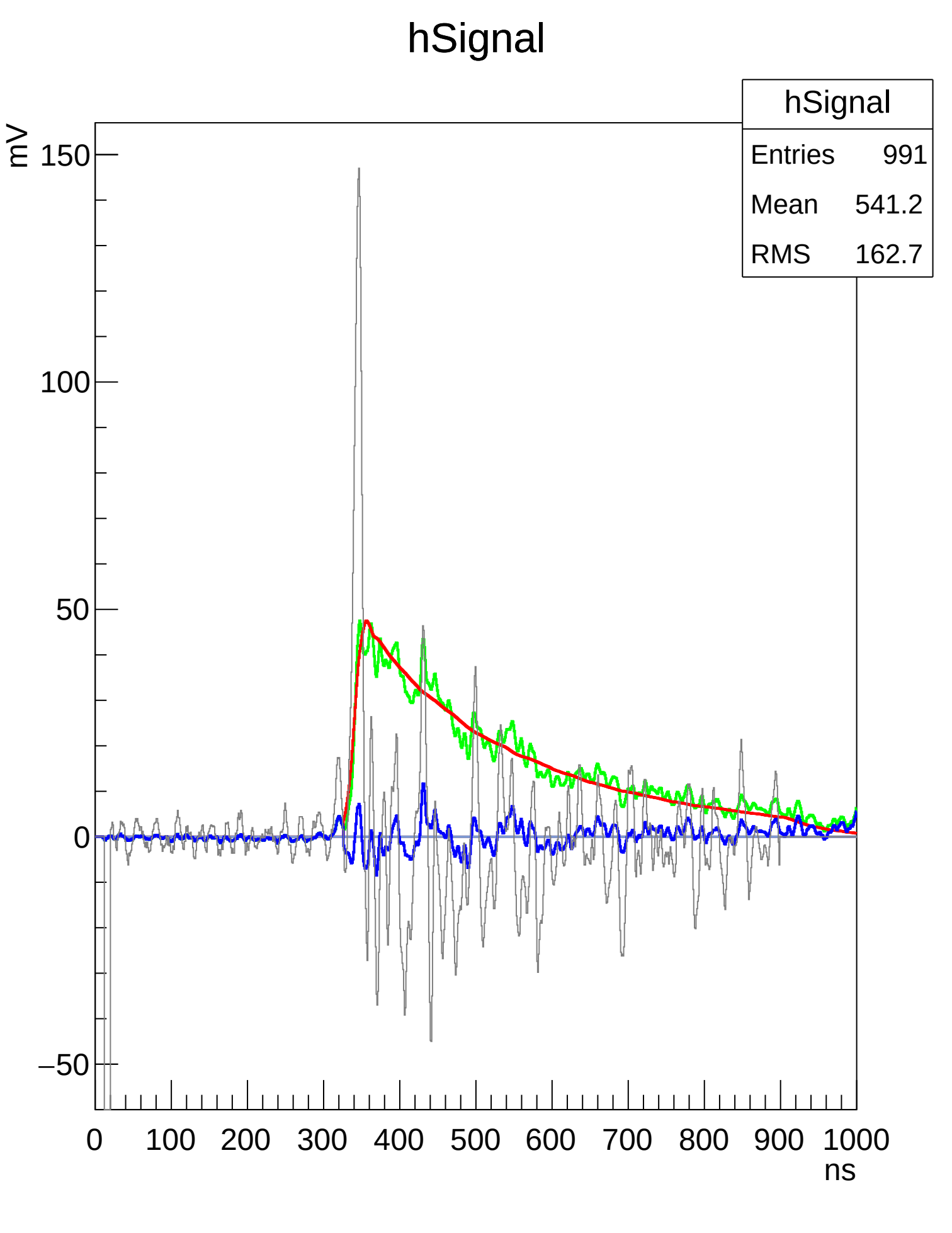

hSignal
hSignal
Entries 991
Mean 550.7
RMS 107.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

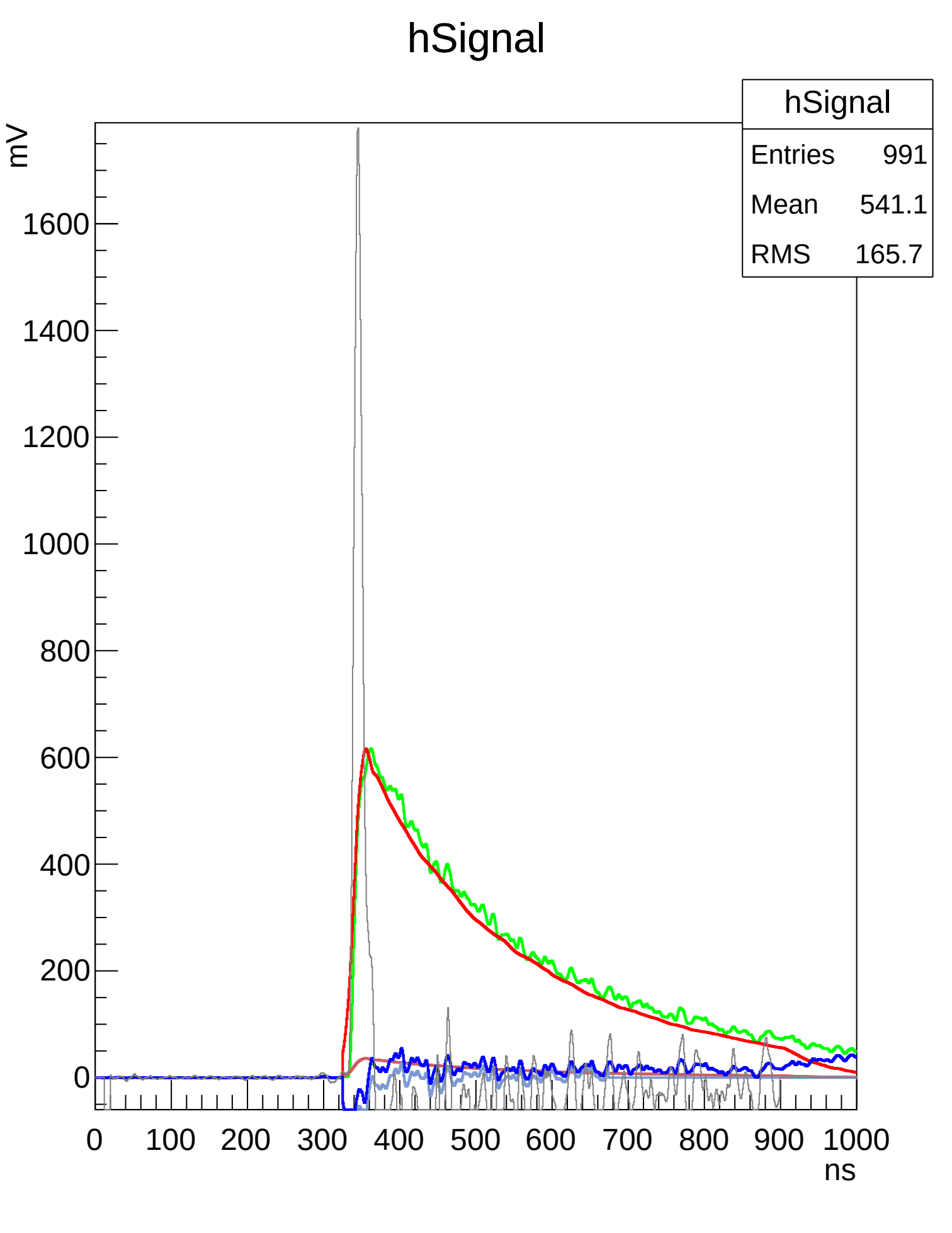

hSignal
hSignal
Entries 991
Mean 523.9
RMS 172
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

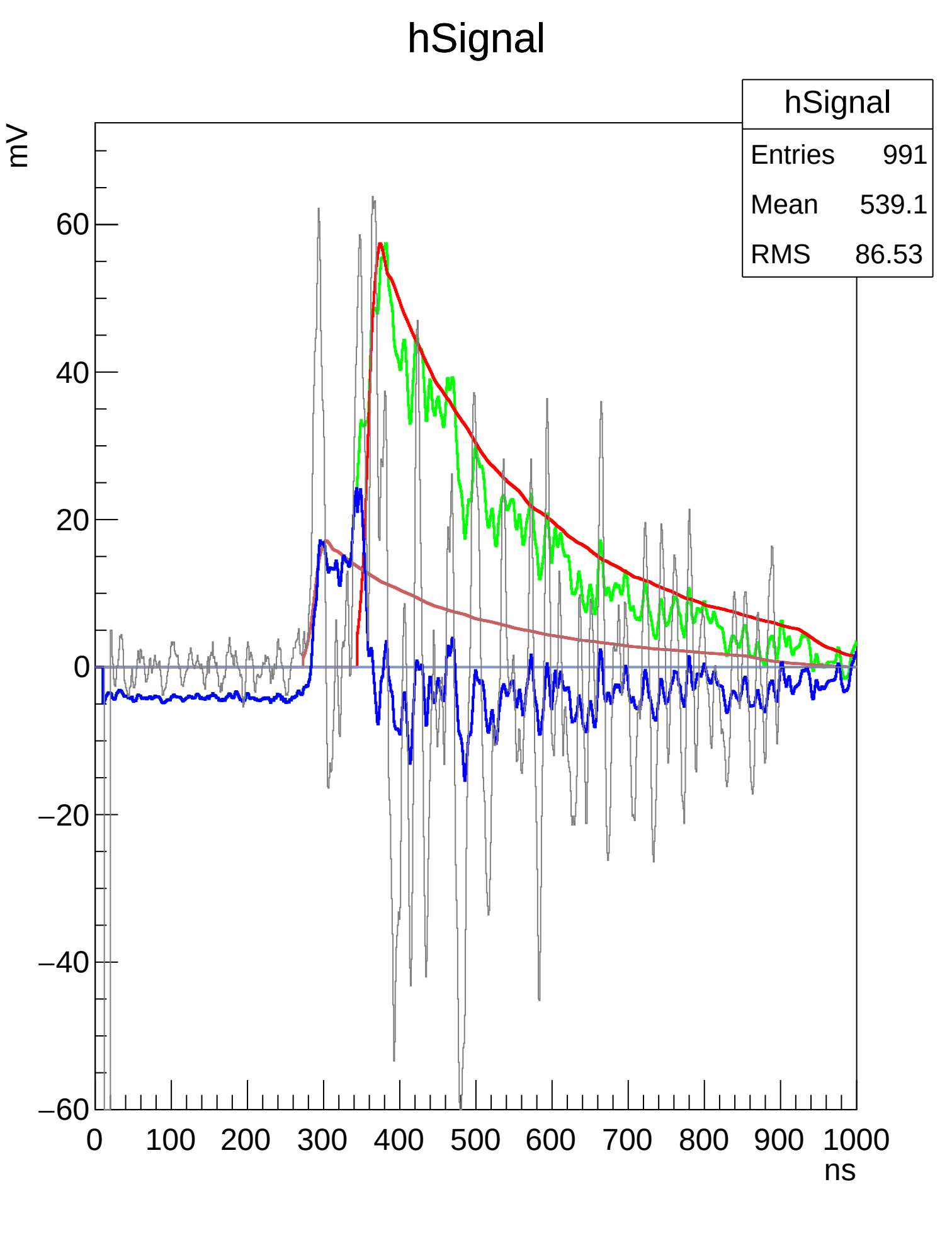

hSignal
hSignal
Entries 991
Mean 538.1
RMS 164.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

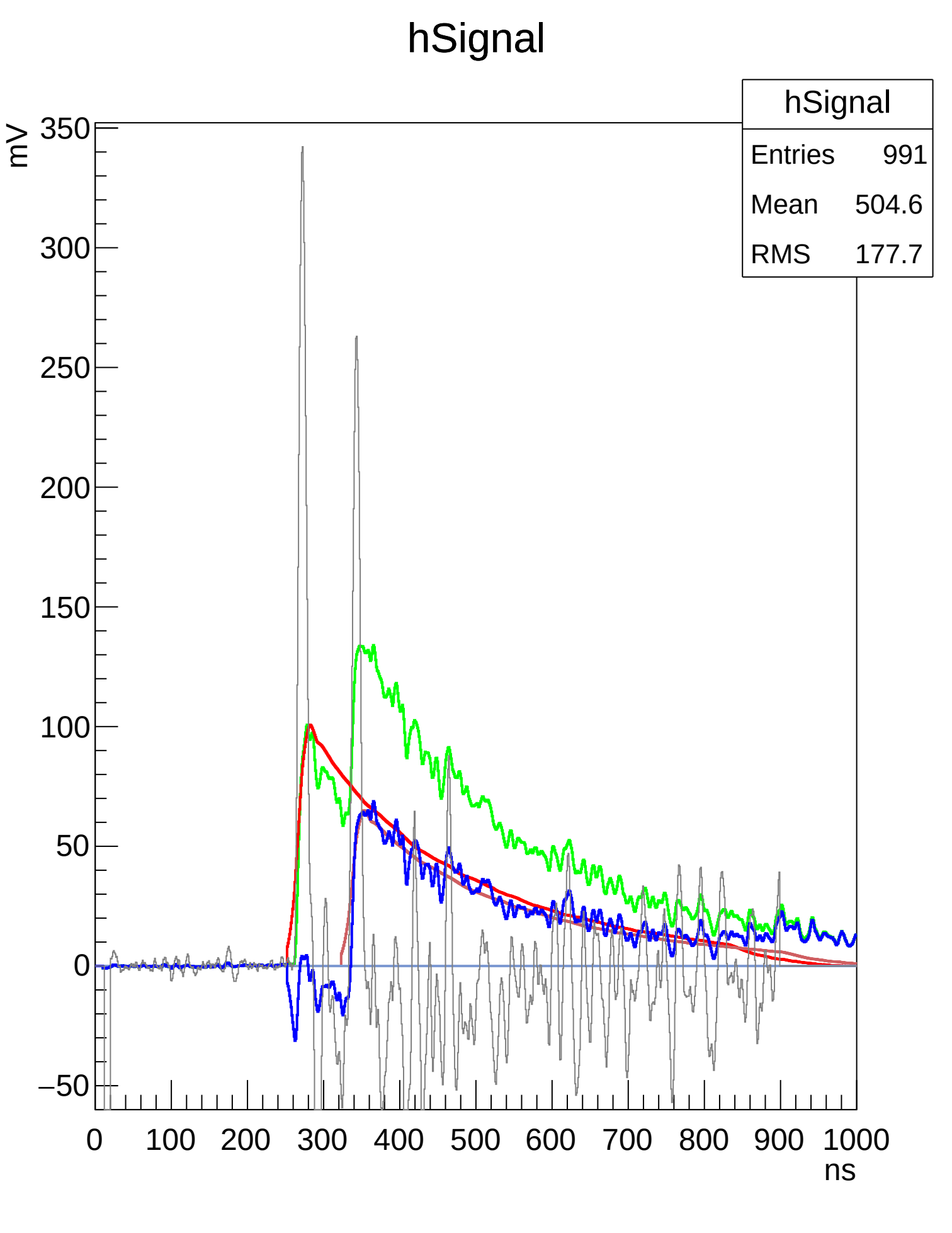

hSignal
hSignal
Entries 991
Mean 568.7
RMS 142.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

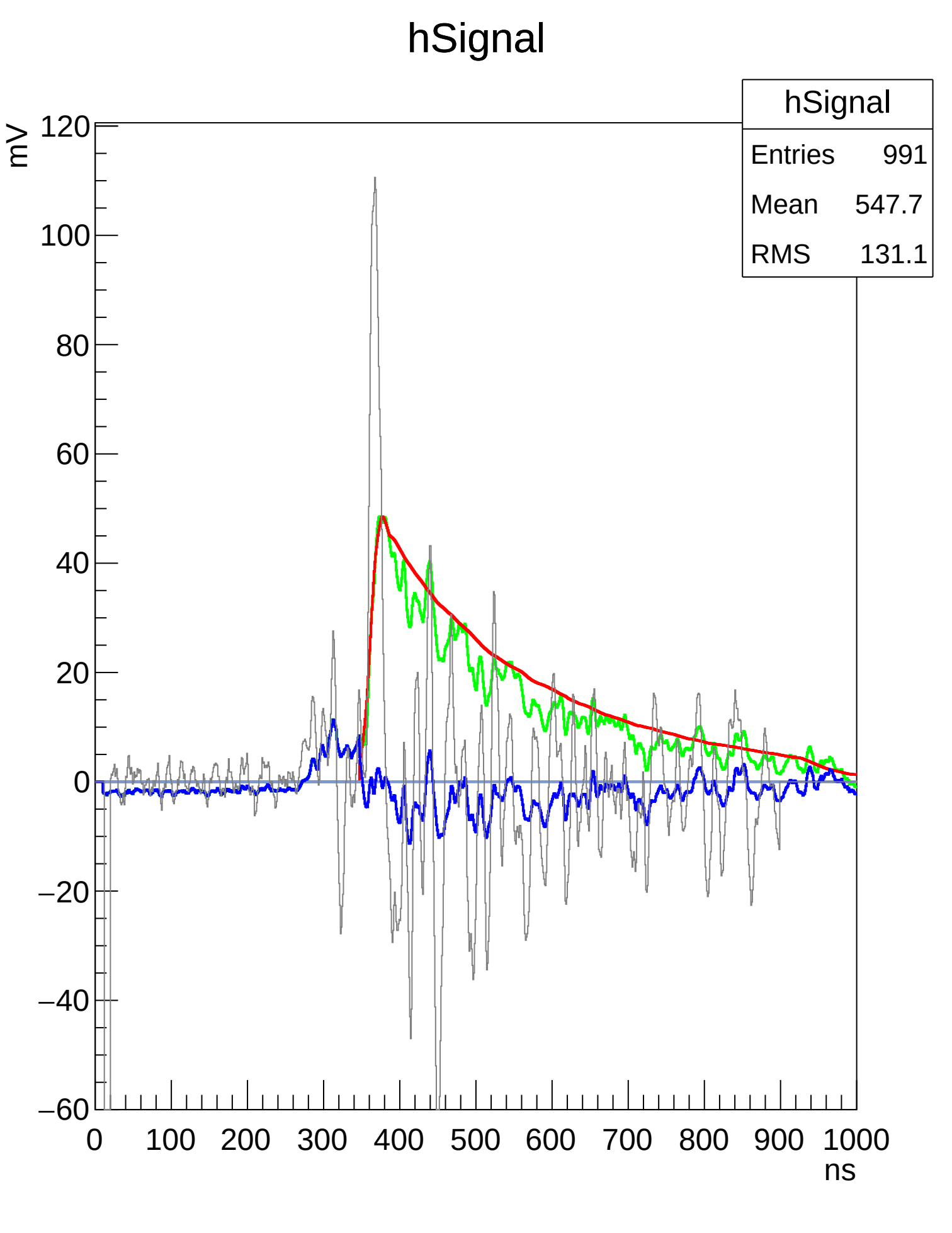

hSignal
hSignal
Entries 991
Mean 555
RMS 160.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

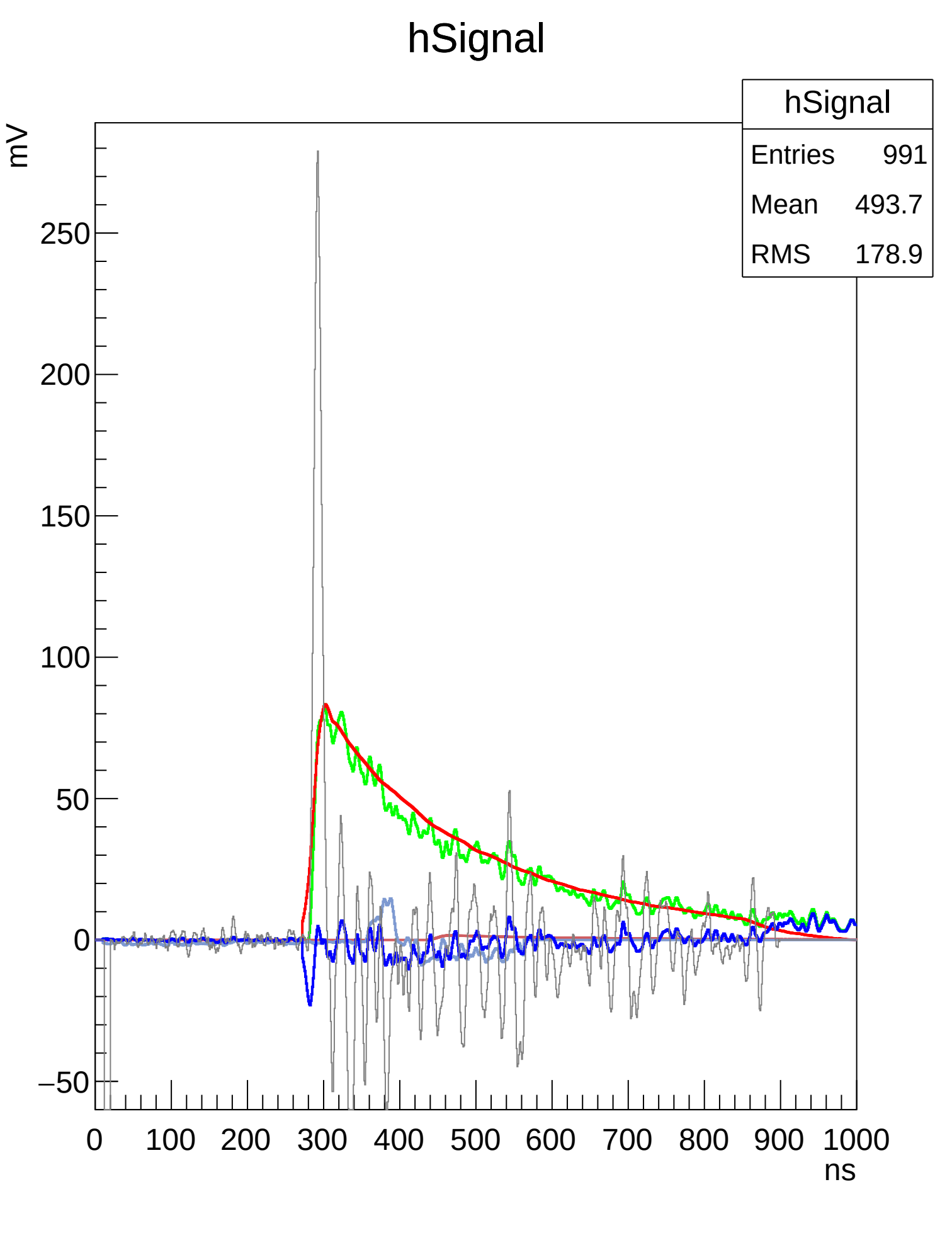

hSignal
hSignal
Entries 991
Mean 541.2
RMS 162.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

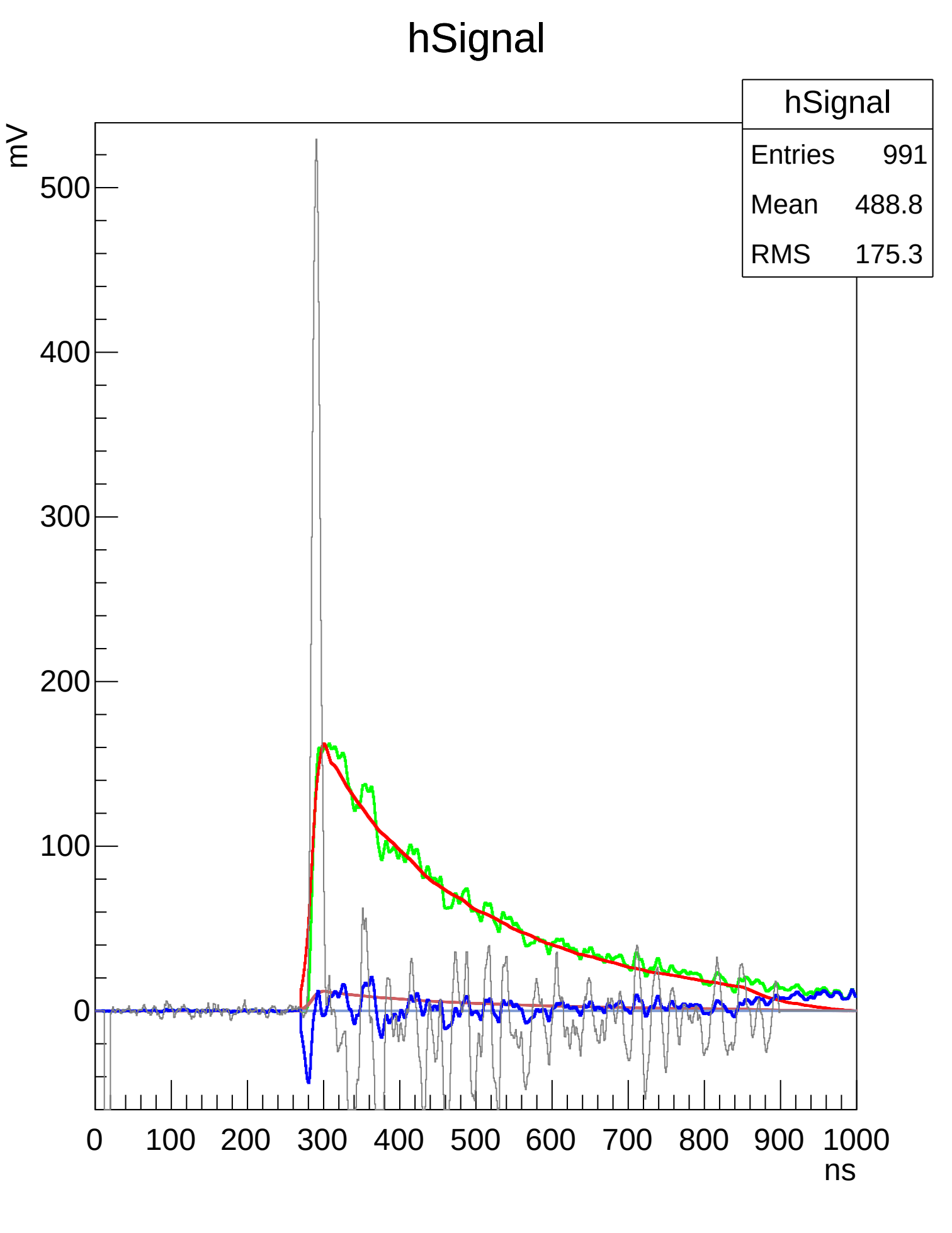

hSignal
hSignal
Entries 991
Mean 541.1
RMS 165.7
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

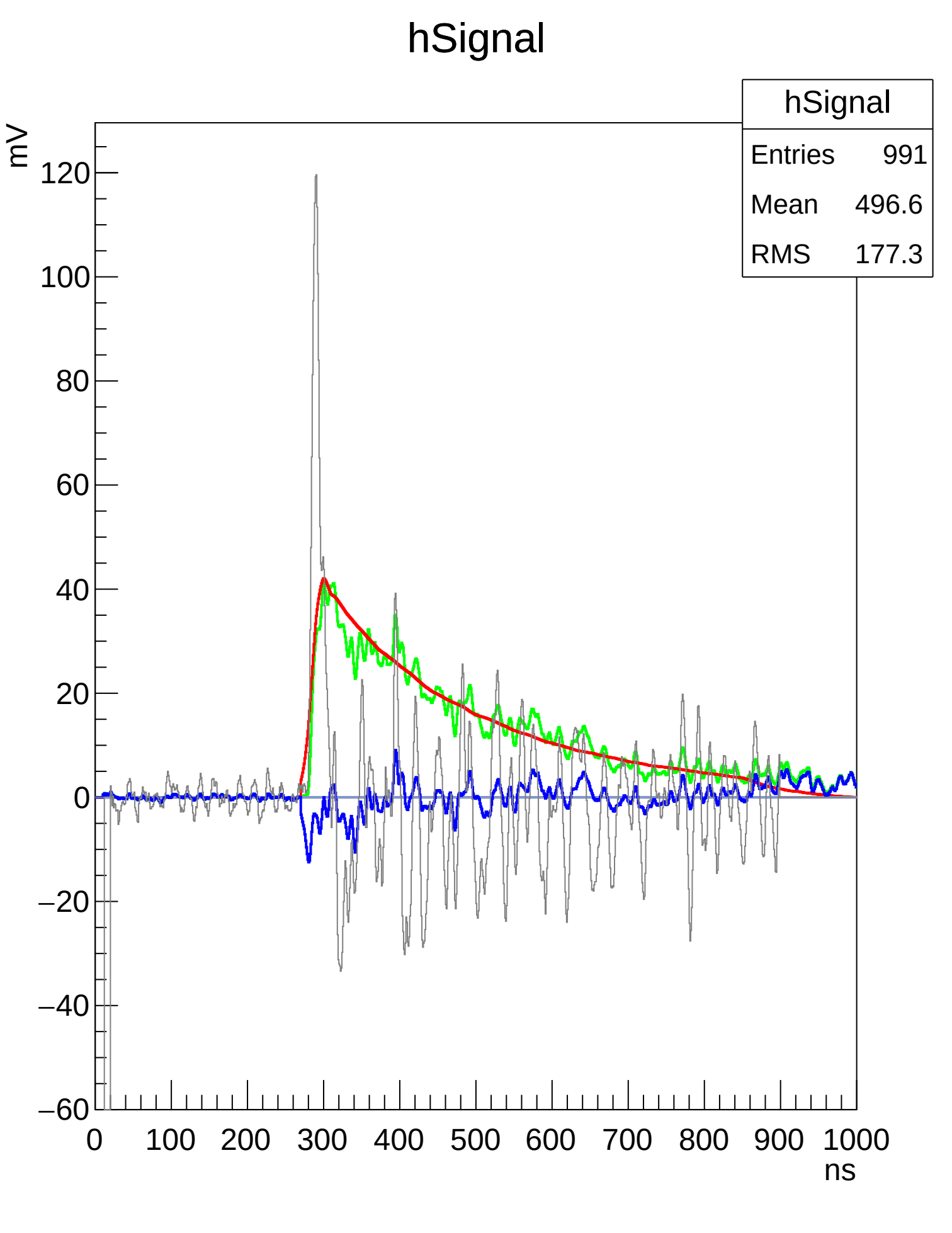

hSignal
hSignal
Entries 991
Mean 539.1
RMS 86.53
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

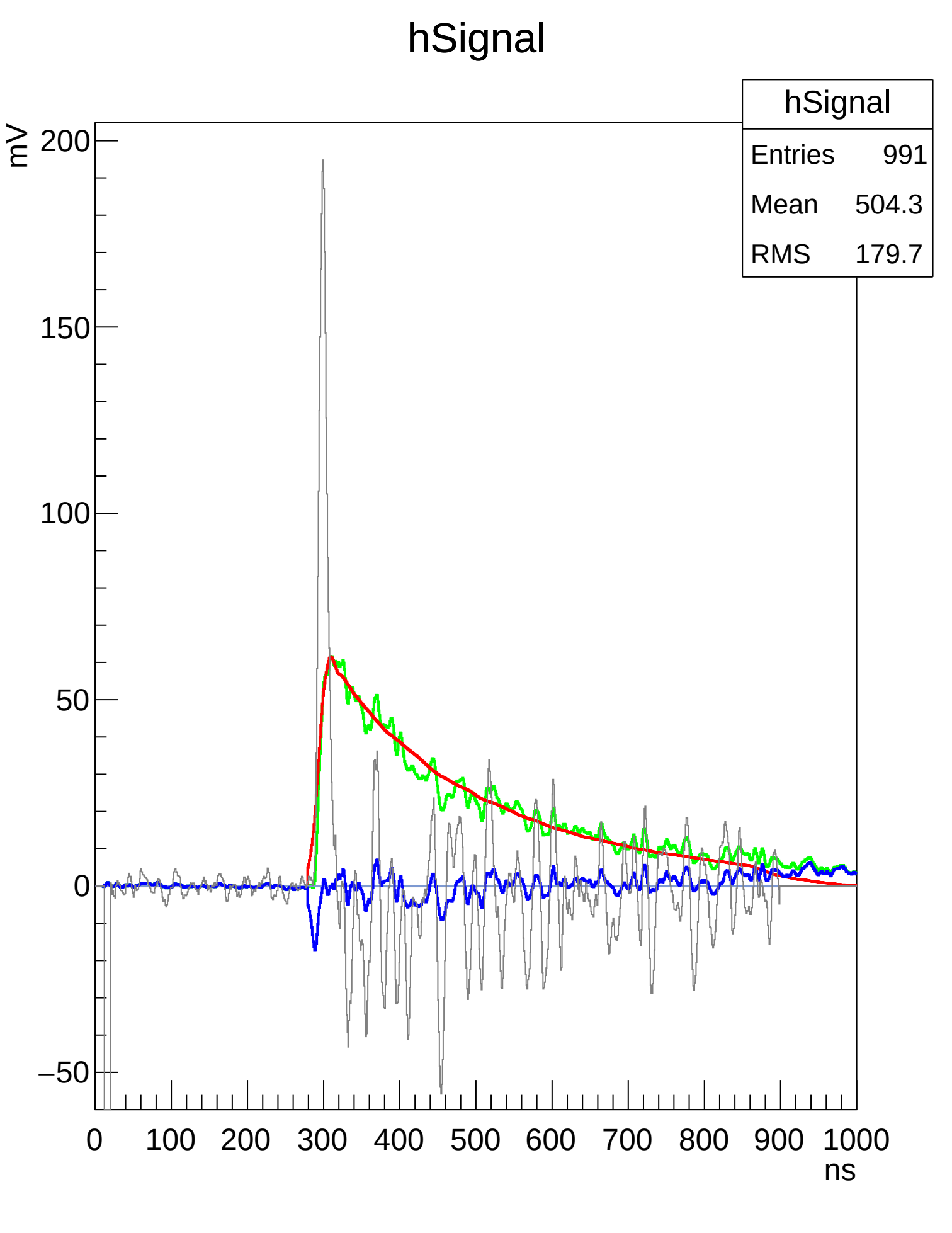

hSignal
hSignal
Entries 991
Mean 504.6
RMS 177.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

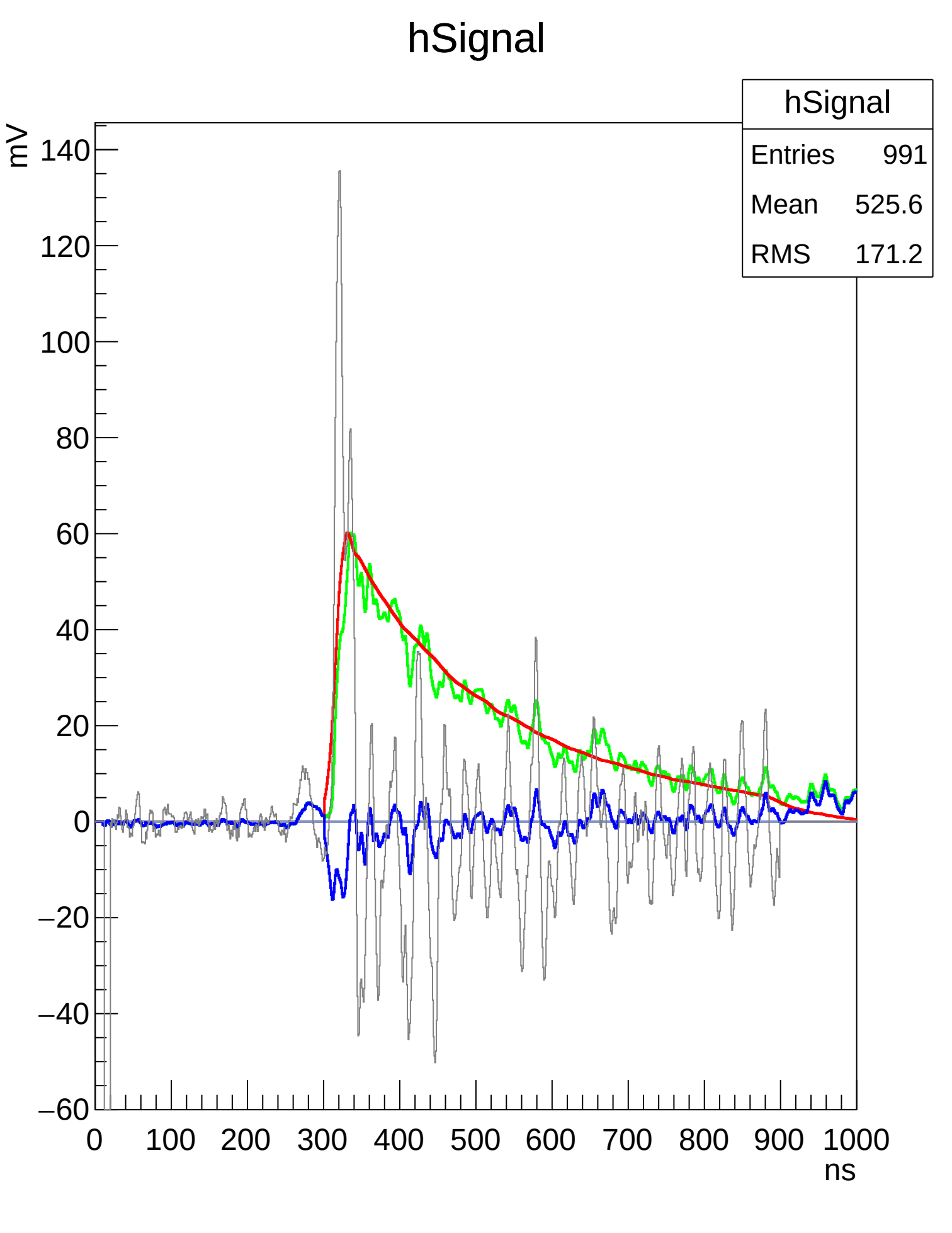

hSignal
hSignal
Entries 991
Mean 547.7
RMS 131.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

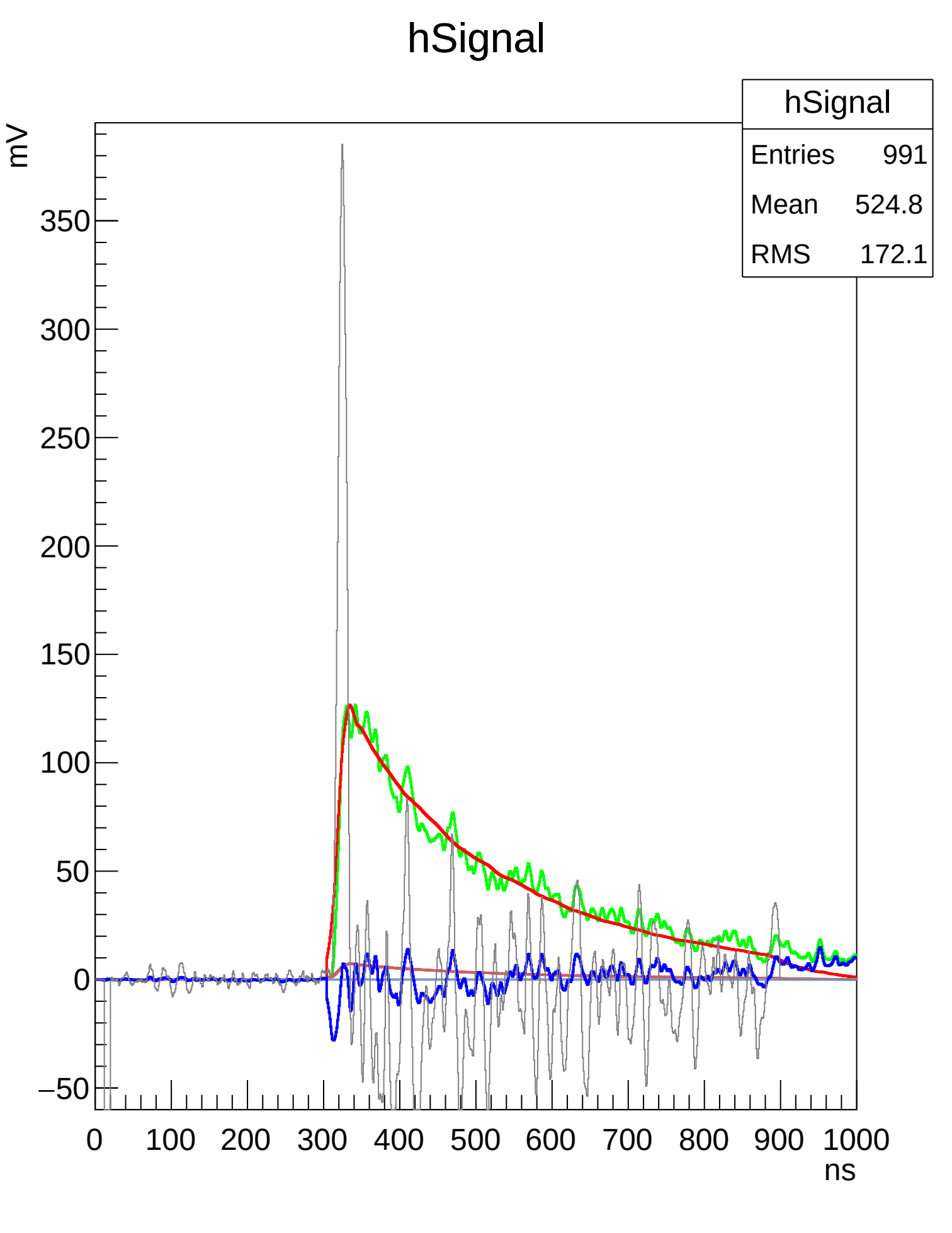

hSignal
hSignal
Entries 991
Mean 493.7
RMS 178.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

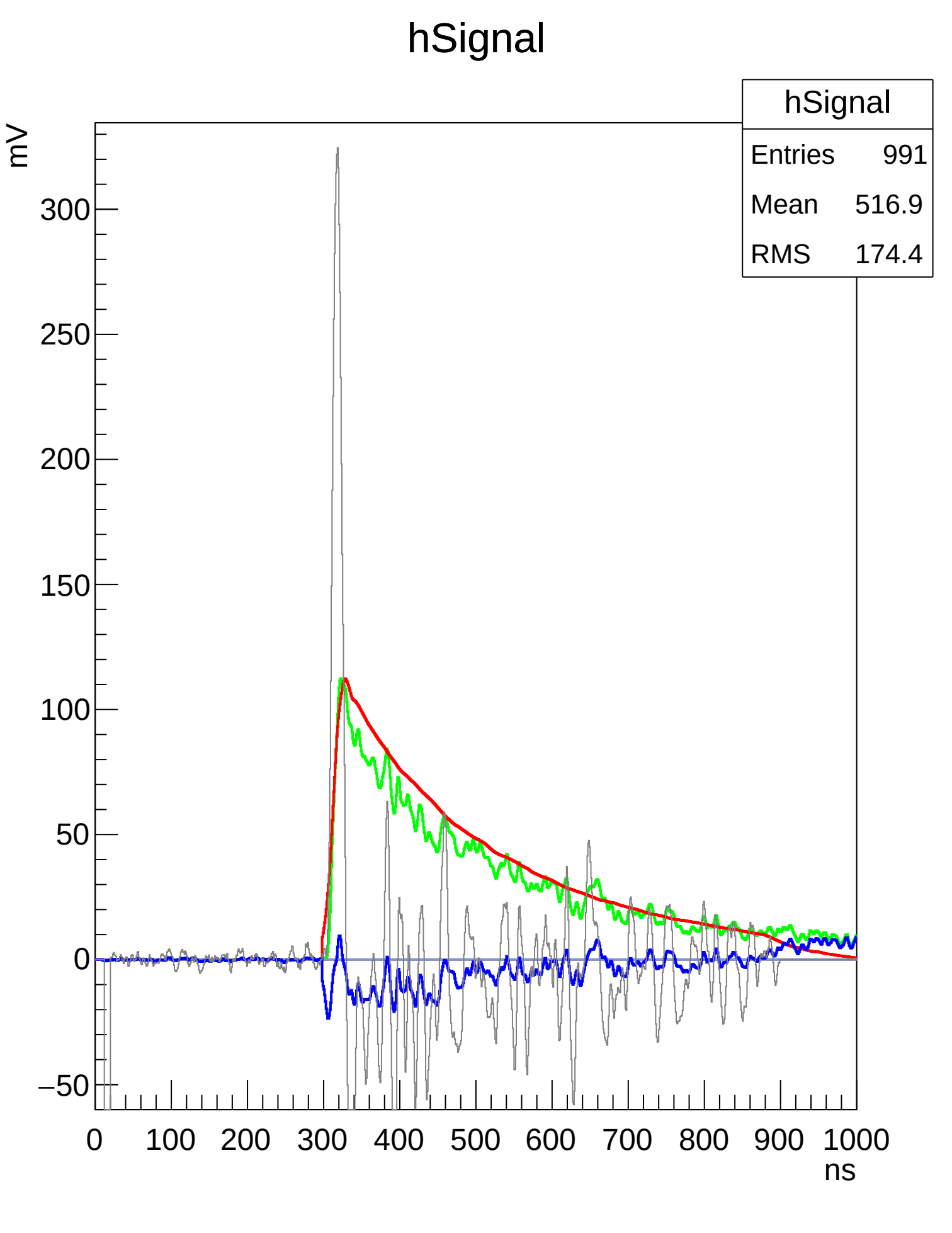

hSignal
hSignal
Entries 991
Mean 488.8
RMS 175.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

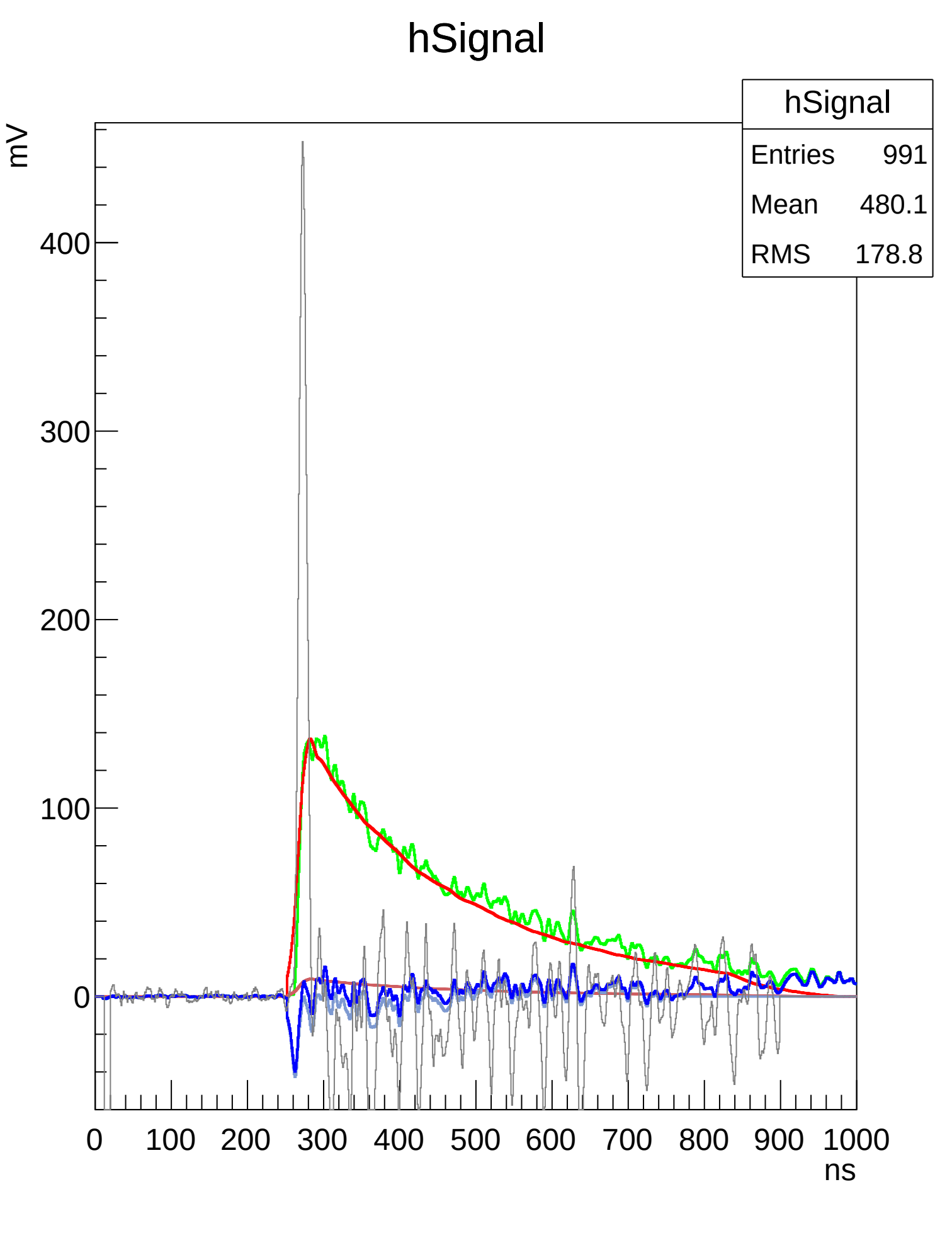

hSignal
hSignal
Entries 991
Mean 496.6
RMS 177.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

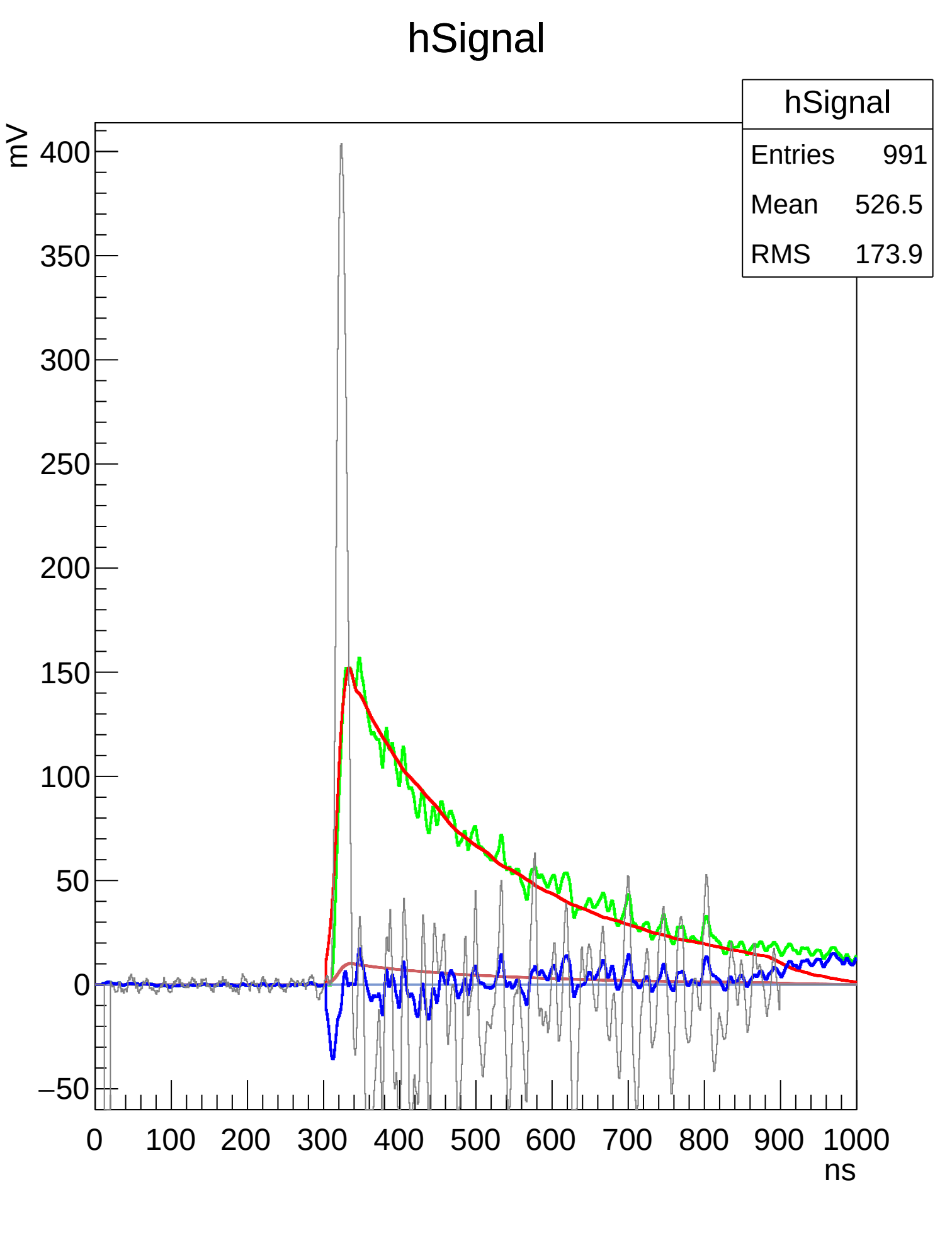

hSignal
hSignal
Entries 991
Mean 504.3
RMS 179.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

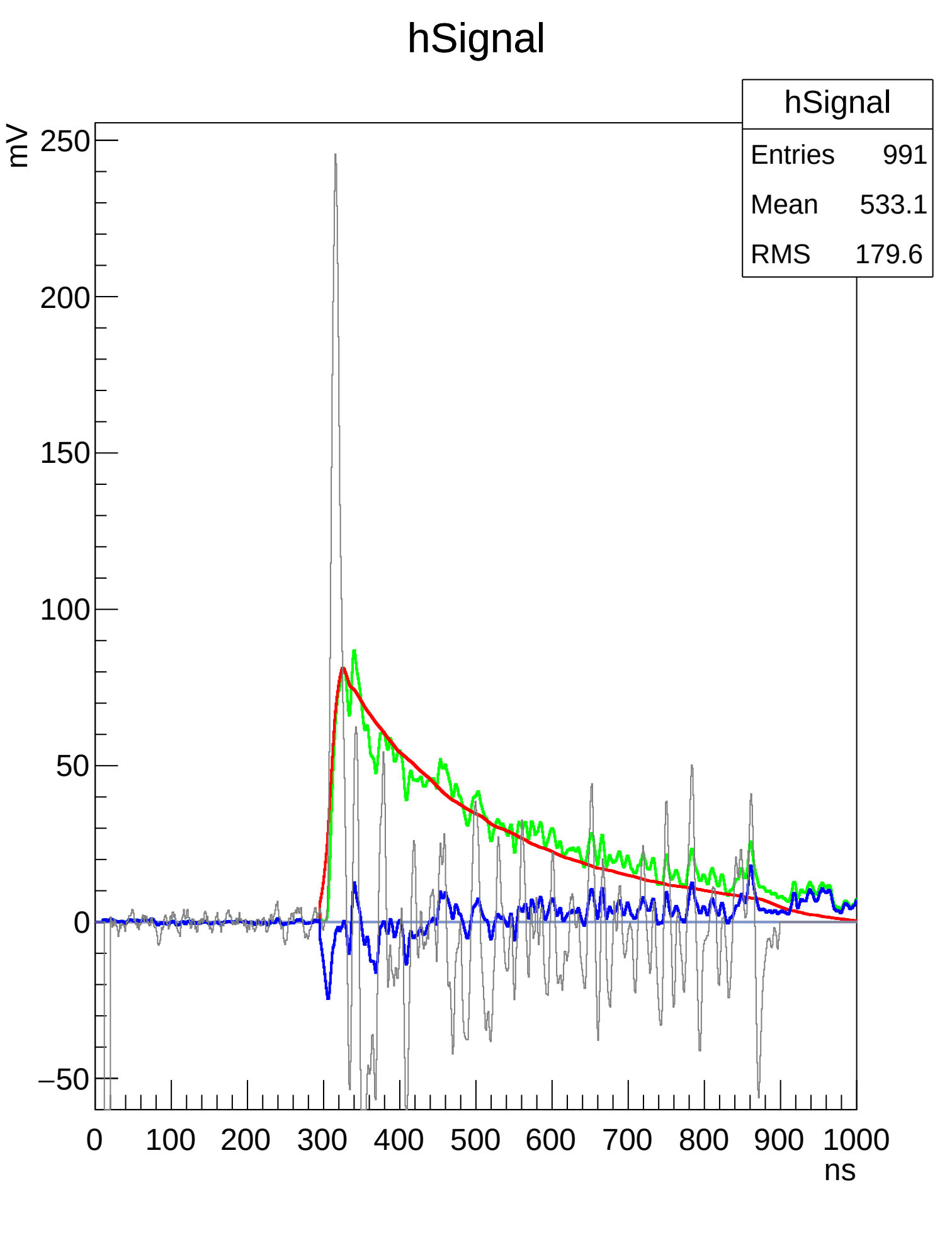

hSignal
hSignal
Entries 991
Mean 525.6
RMS 171.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

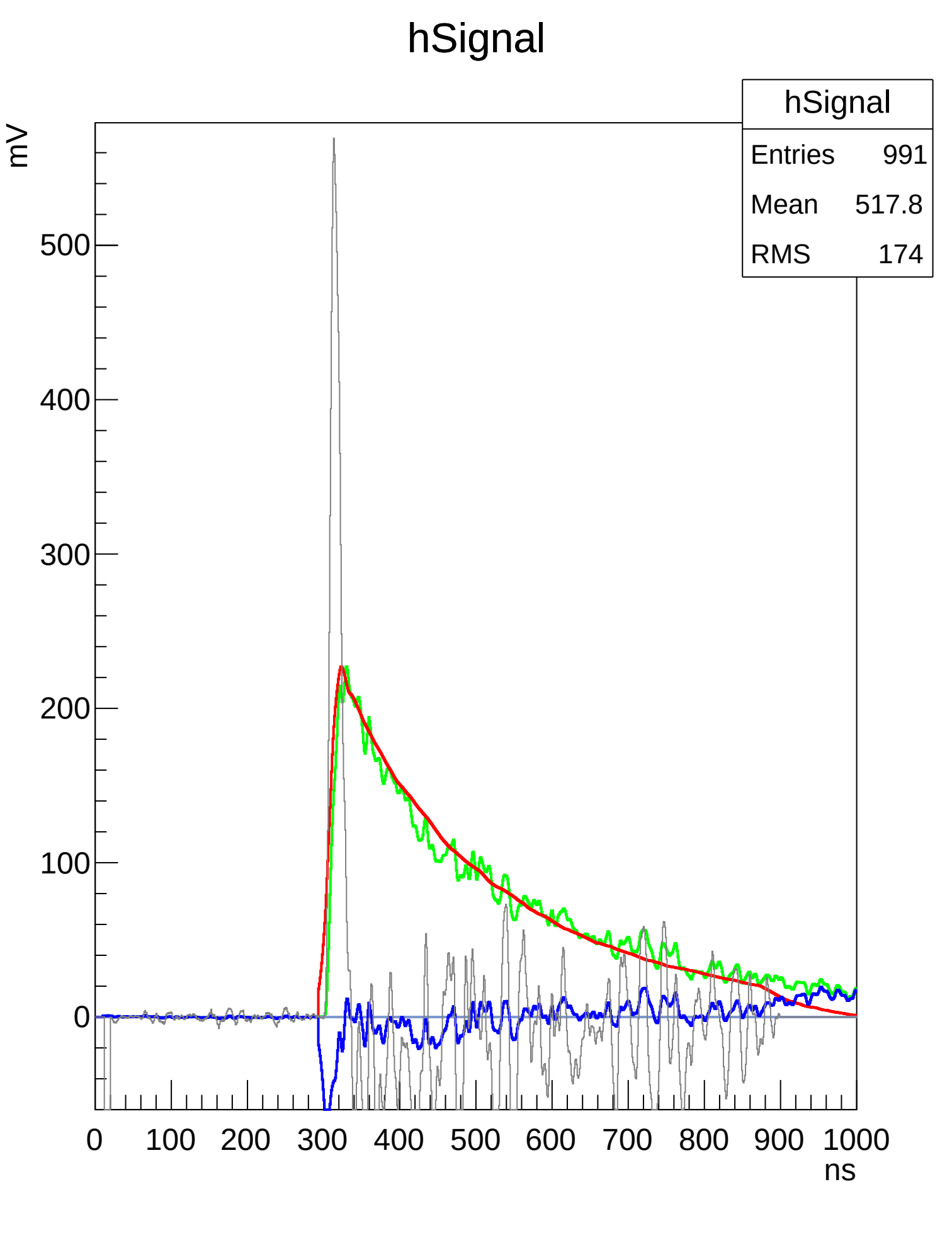

hSignal
hSignal
Entries 991
Mean 524.8
RMS 172.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

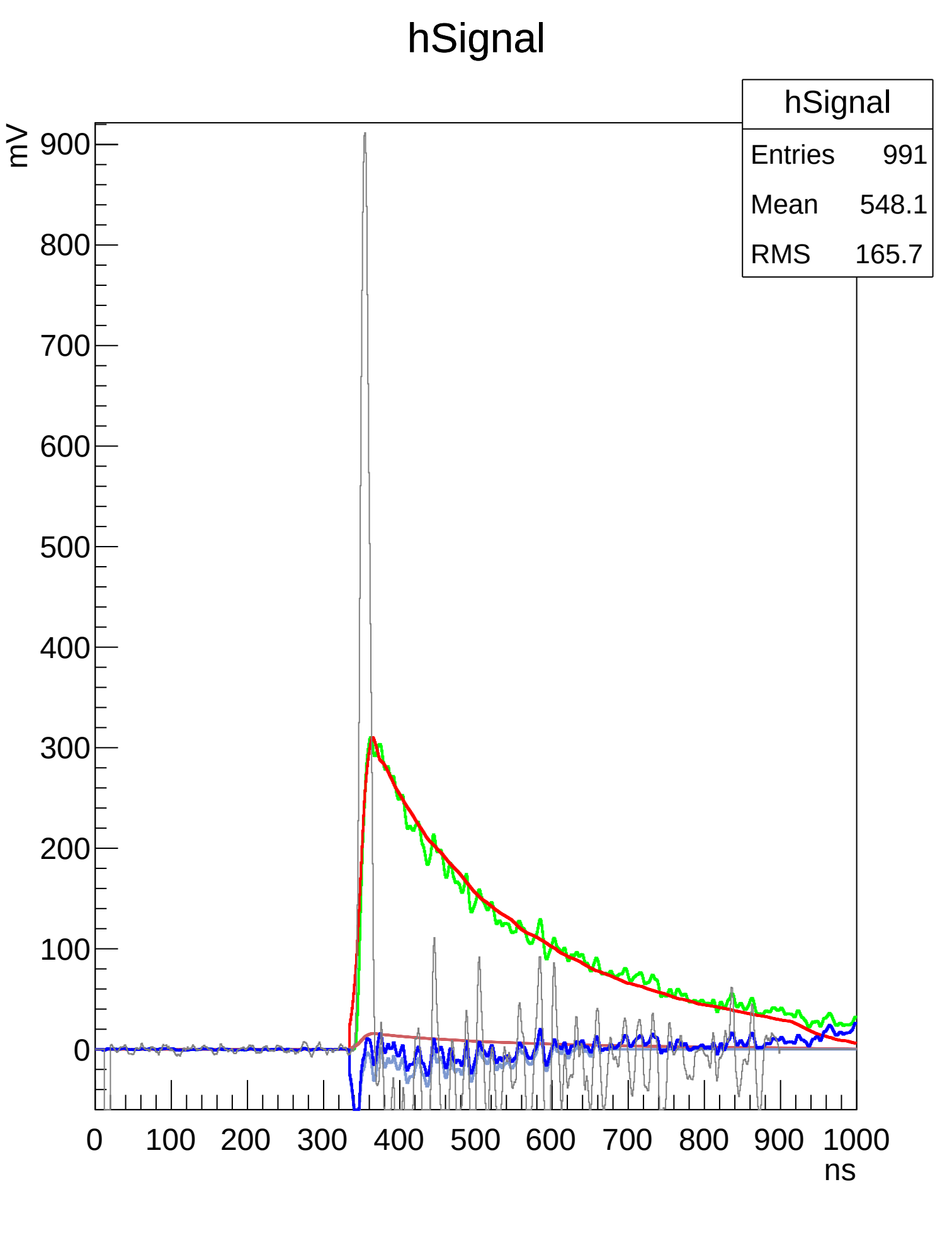

hSignal
hSignal
Entries 991
Mean 516.9
RMS 174.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

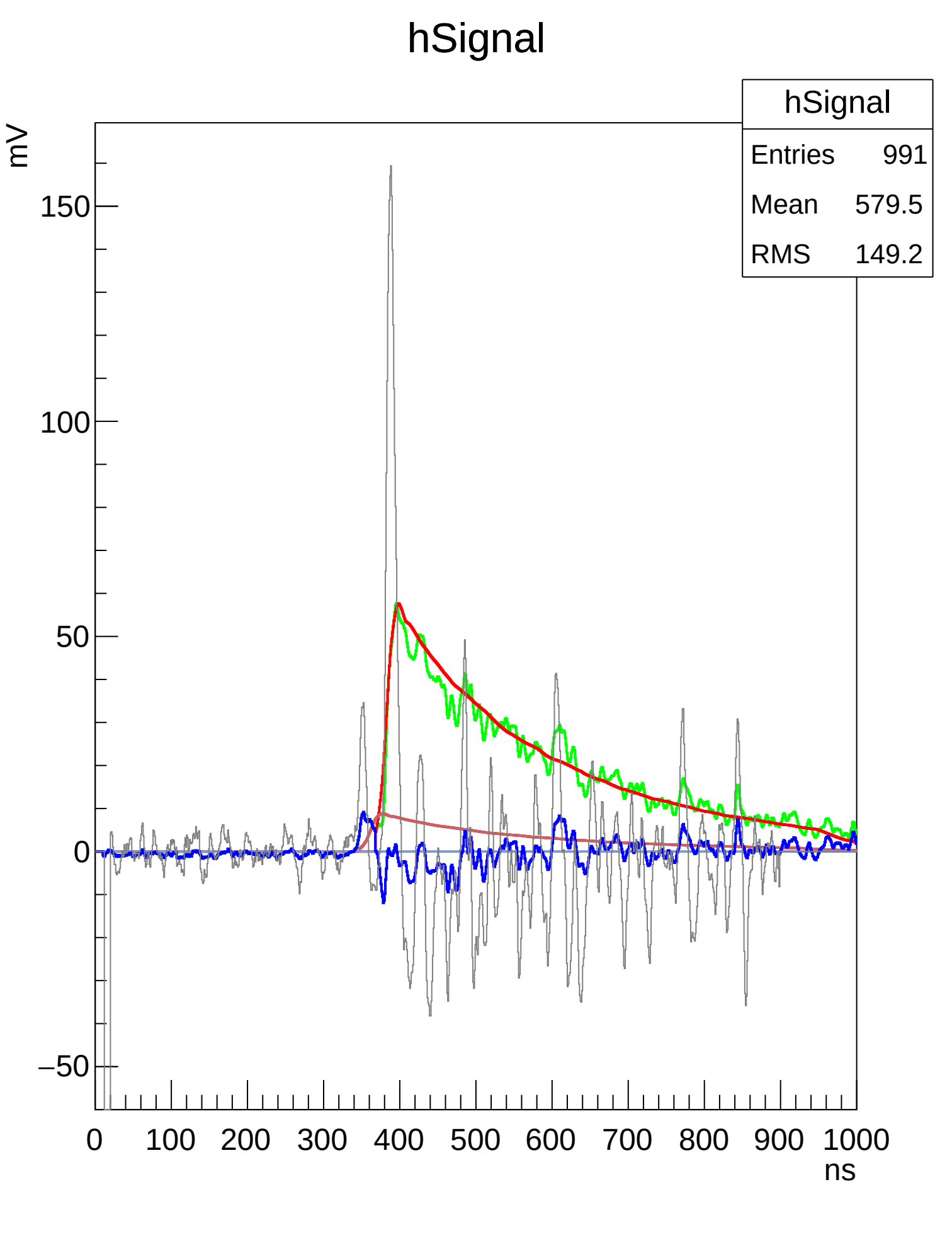

hSignal
hSignal
Entries 991
Mean 480.1
RMS 178.8
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

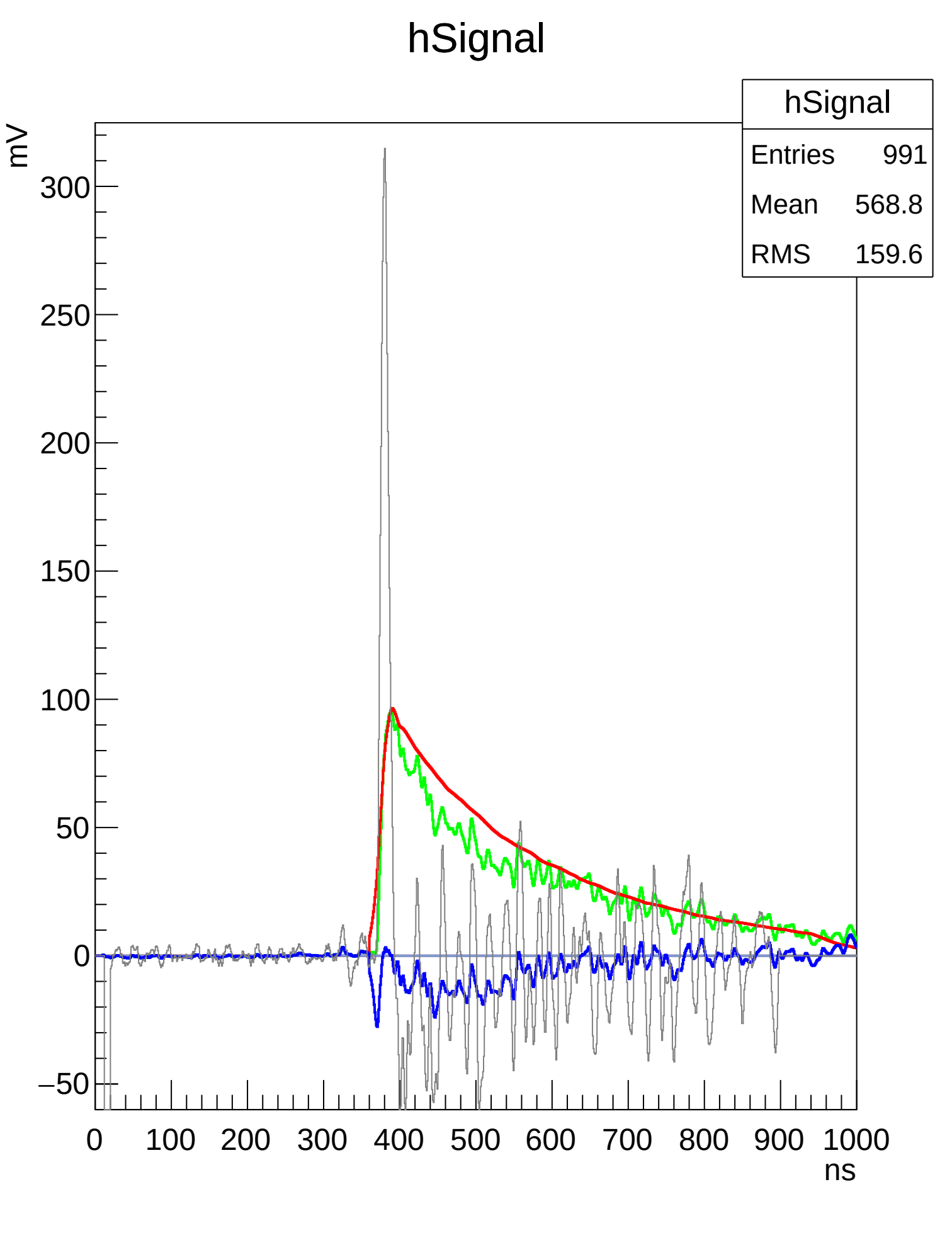

hSignal
hSignal
Entries 991
Mean 526.5
RMS 173.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

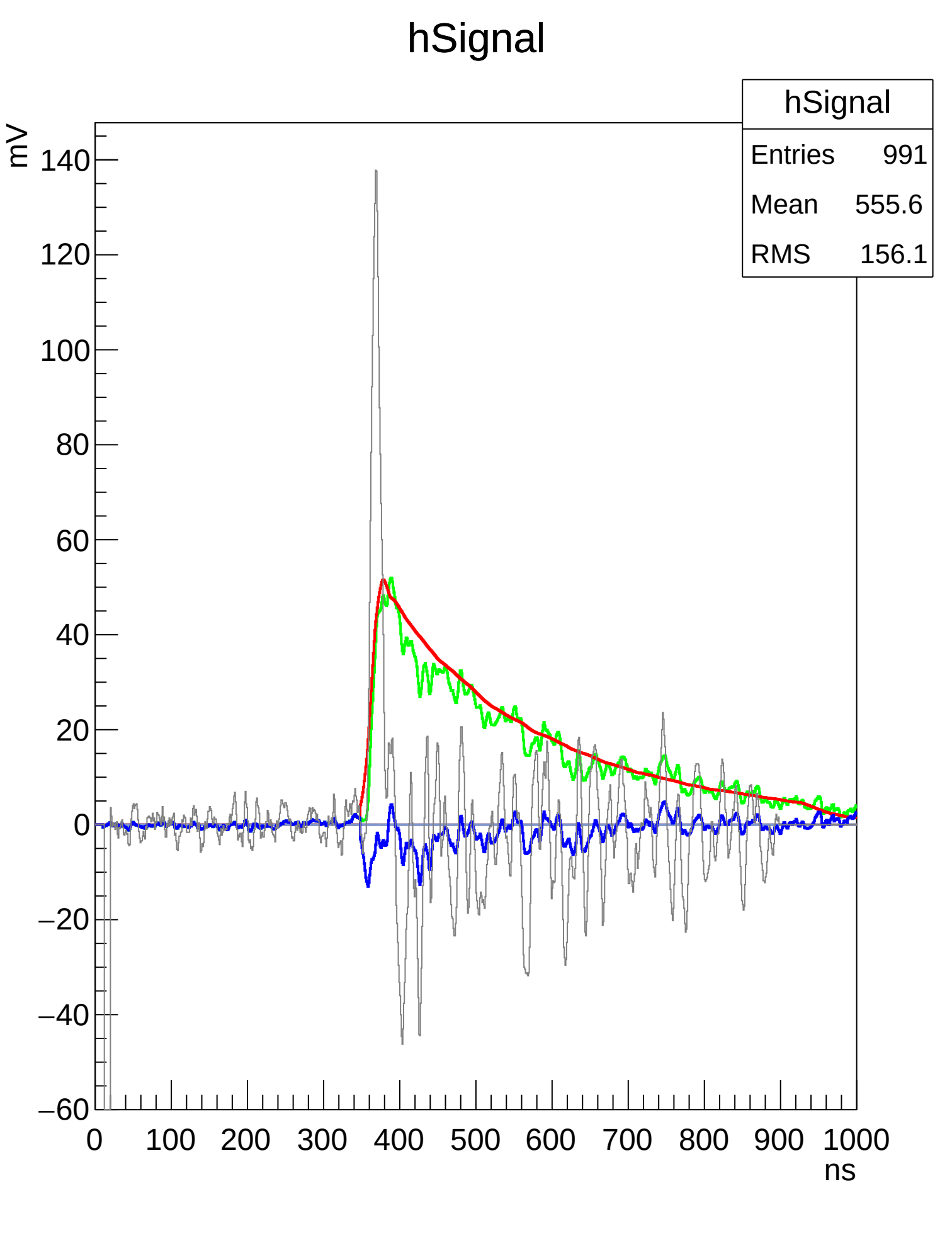

hSignal
hSignal
Entries 991
Mean 533.1
RMS 179.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

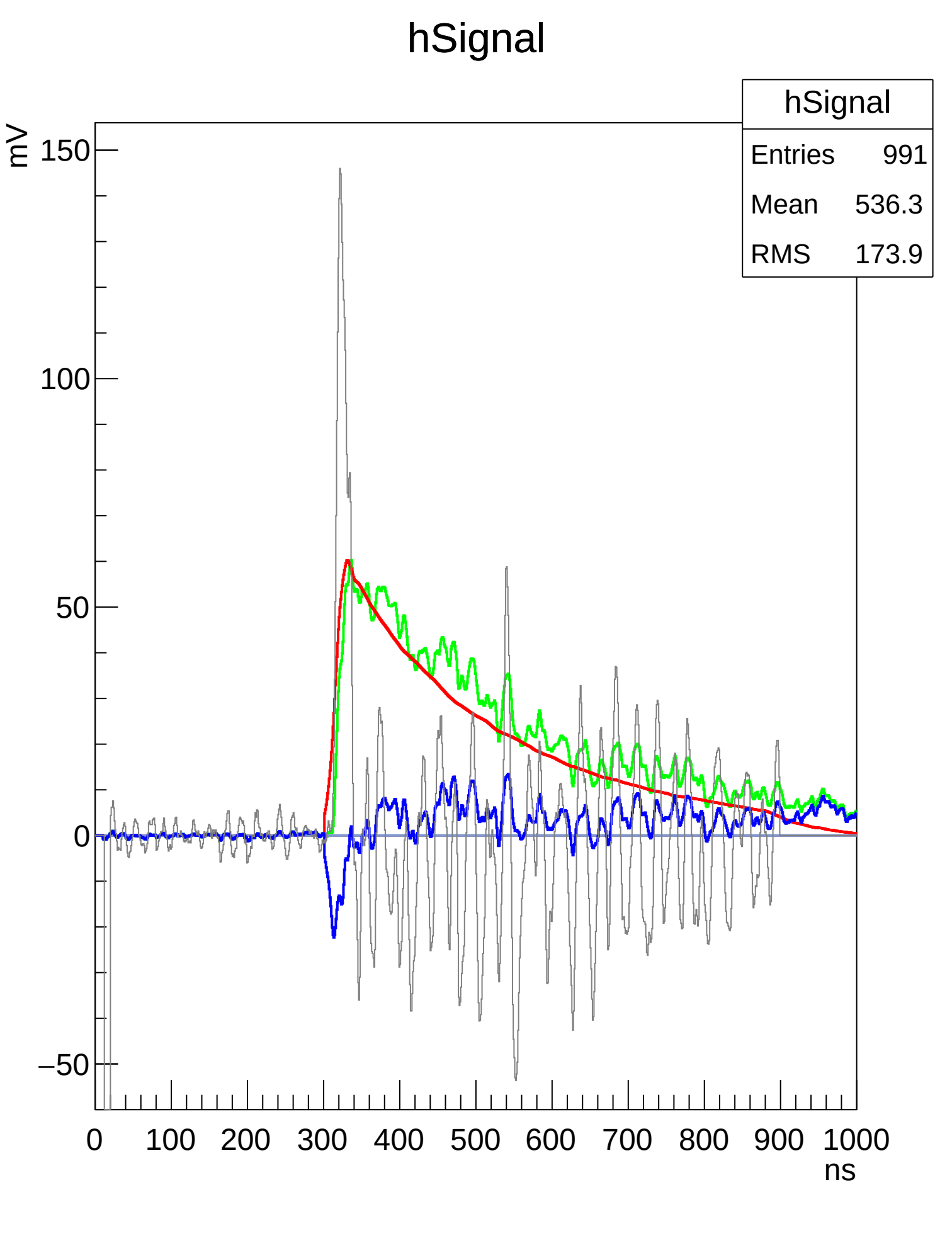

hSignal
hSignal
Entries 991
Mean 517.8
RMS 174
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

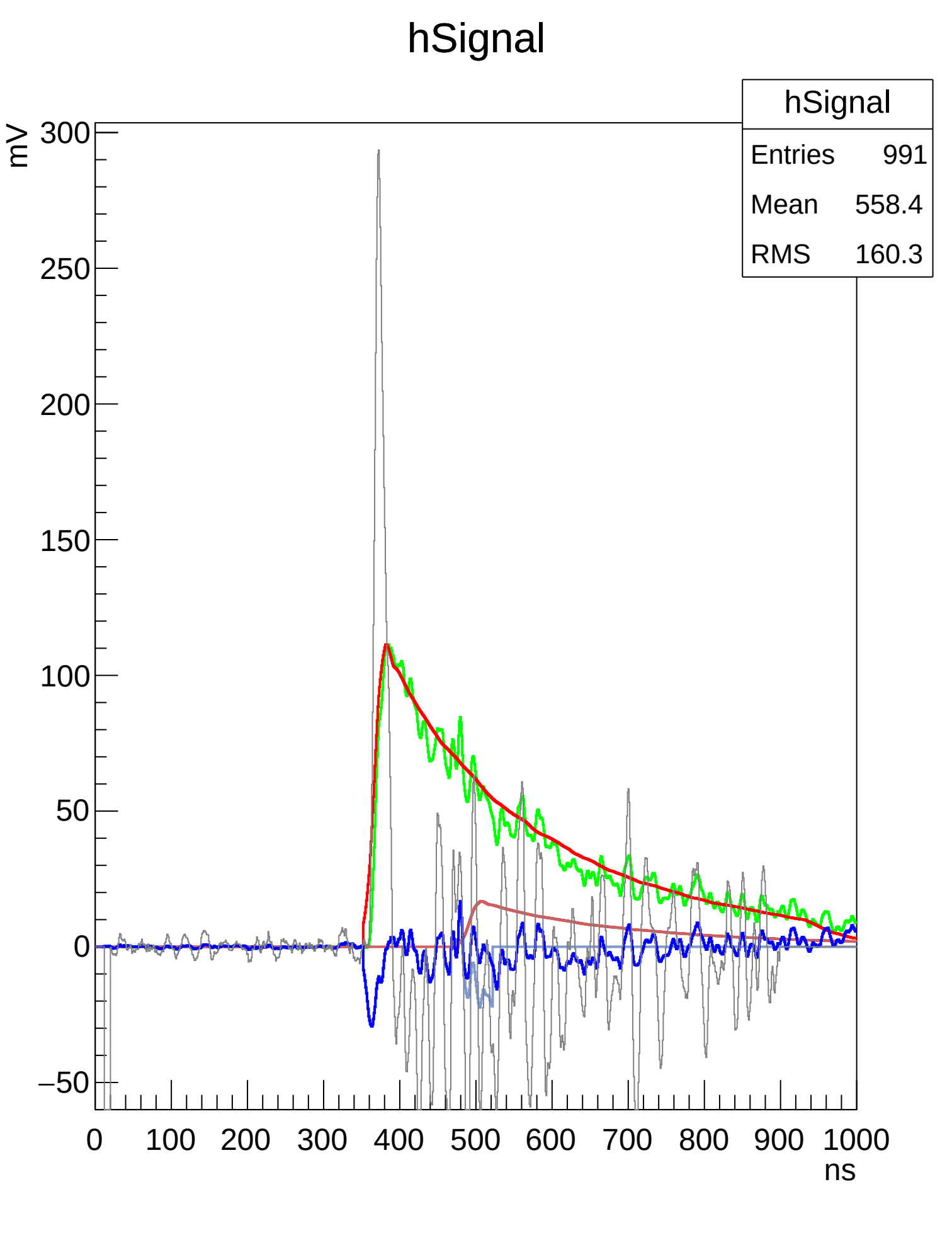

hSignal
hSignal
Entries 991
Mean 548.1
RMS 165.7
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

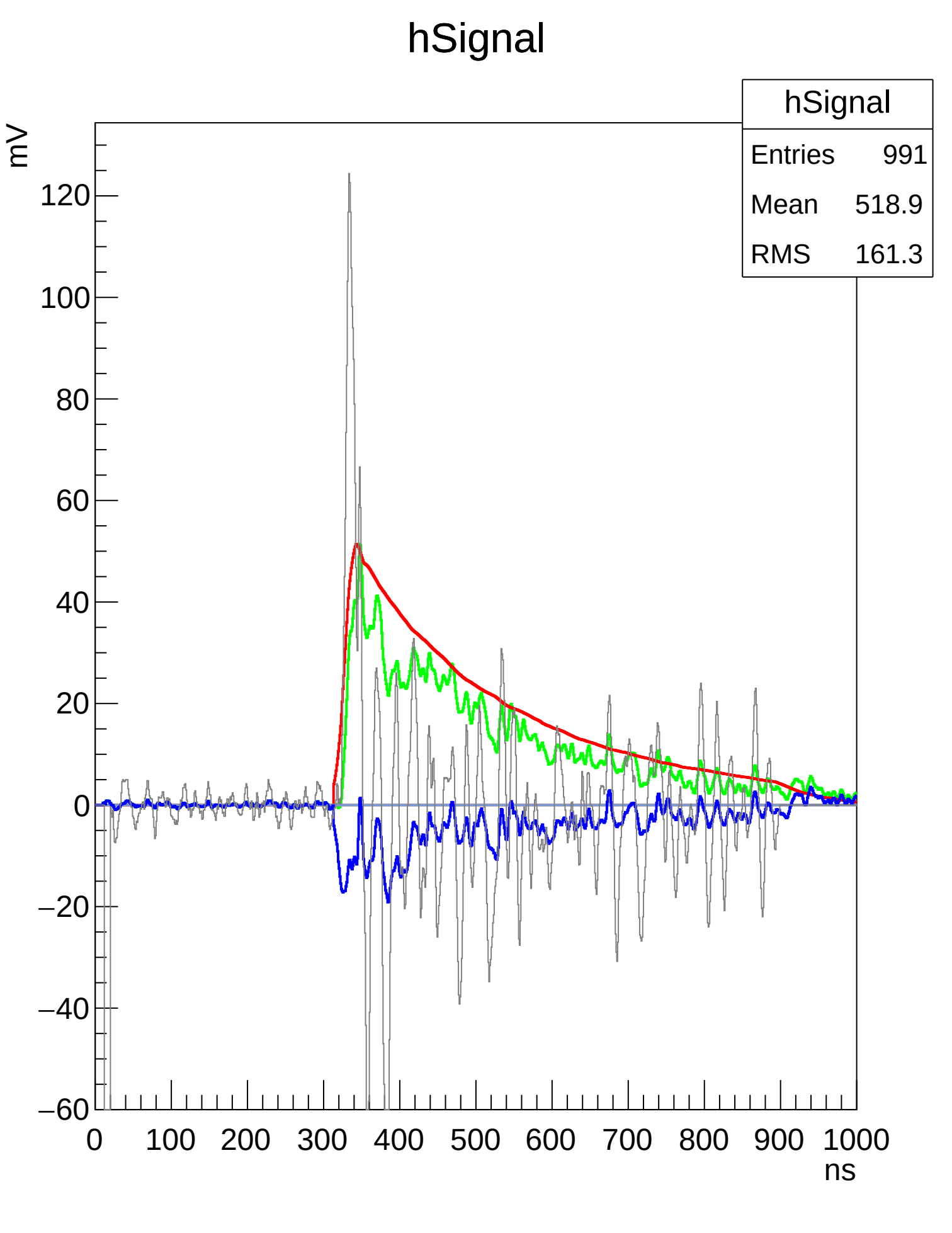

hSignal
hSignal
Entries 991
Mean 579.5
RMS 149.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

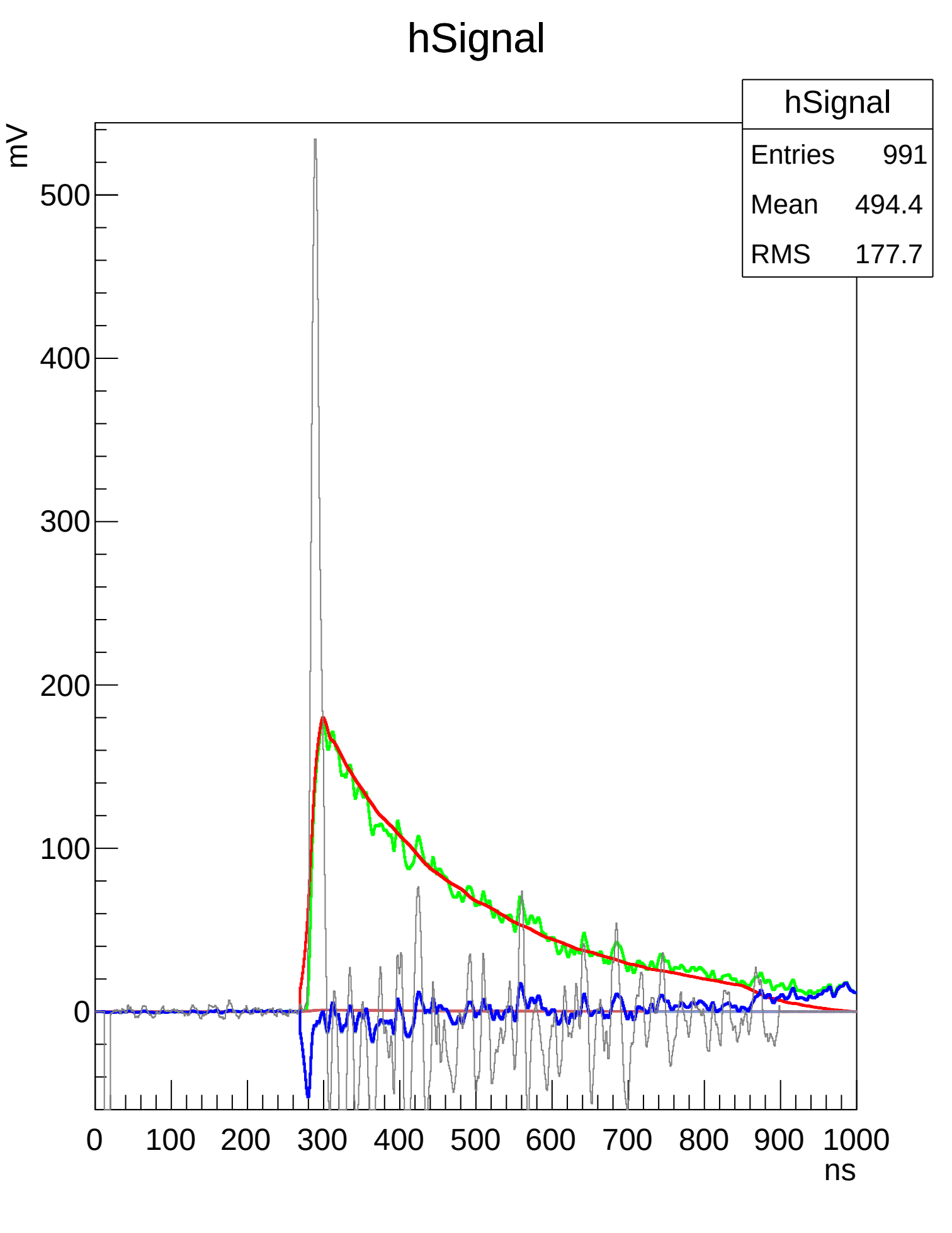

hSignal
hSignal
Entries 991
Mean 568.8
RMS 159.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

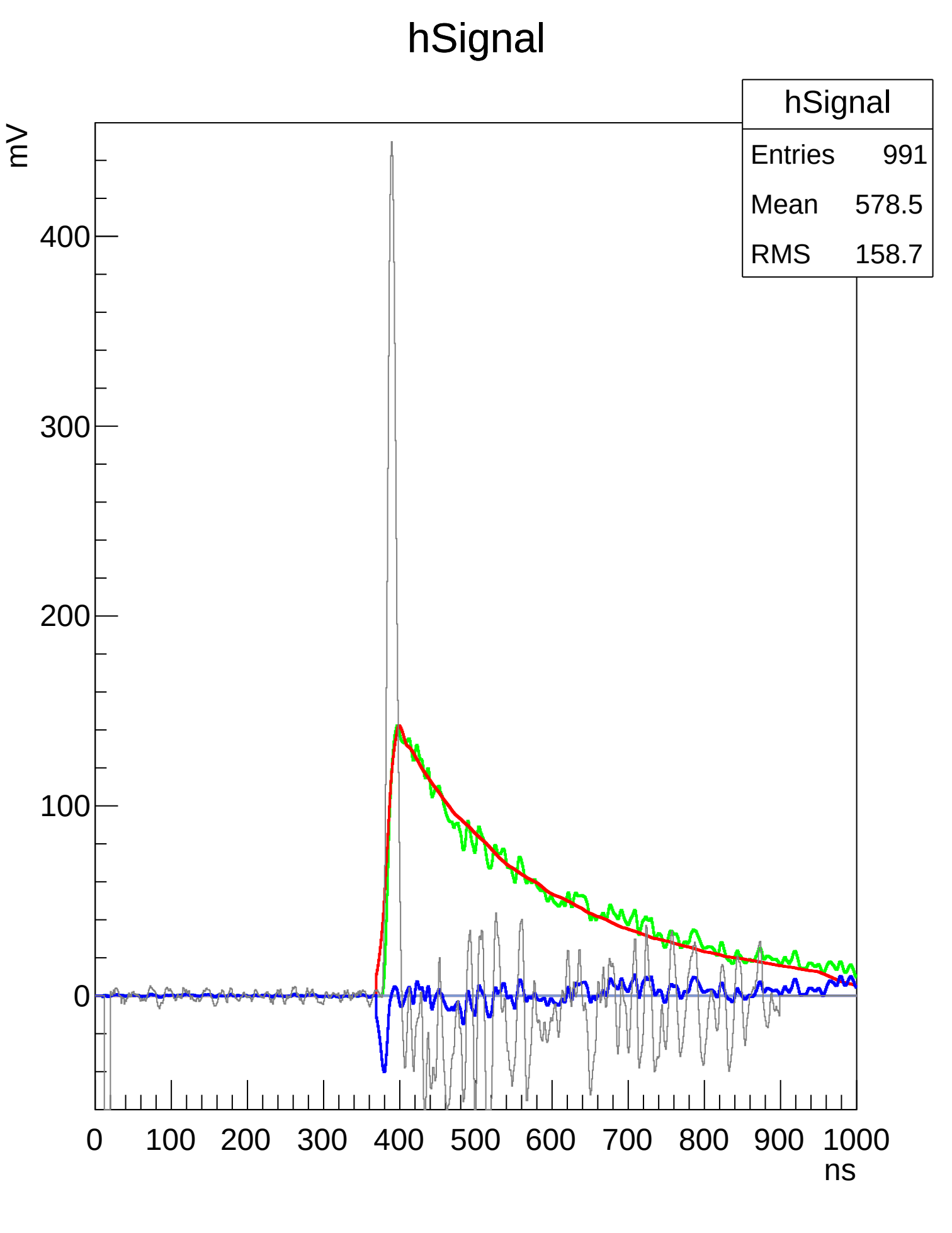

hSignal
hSignal
Entries 991
Mean 555.6
RMS 156.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

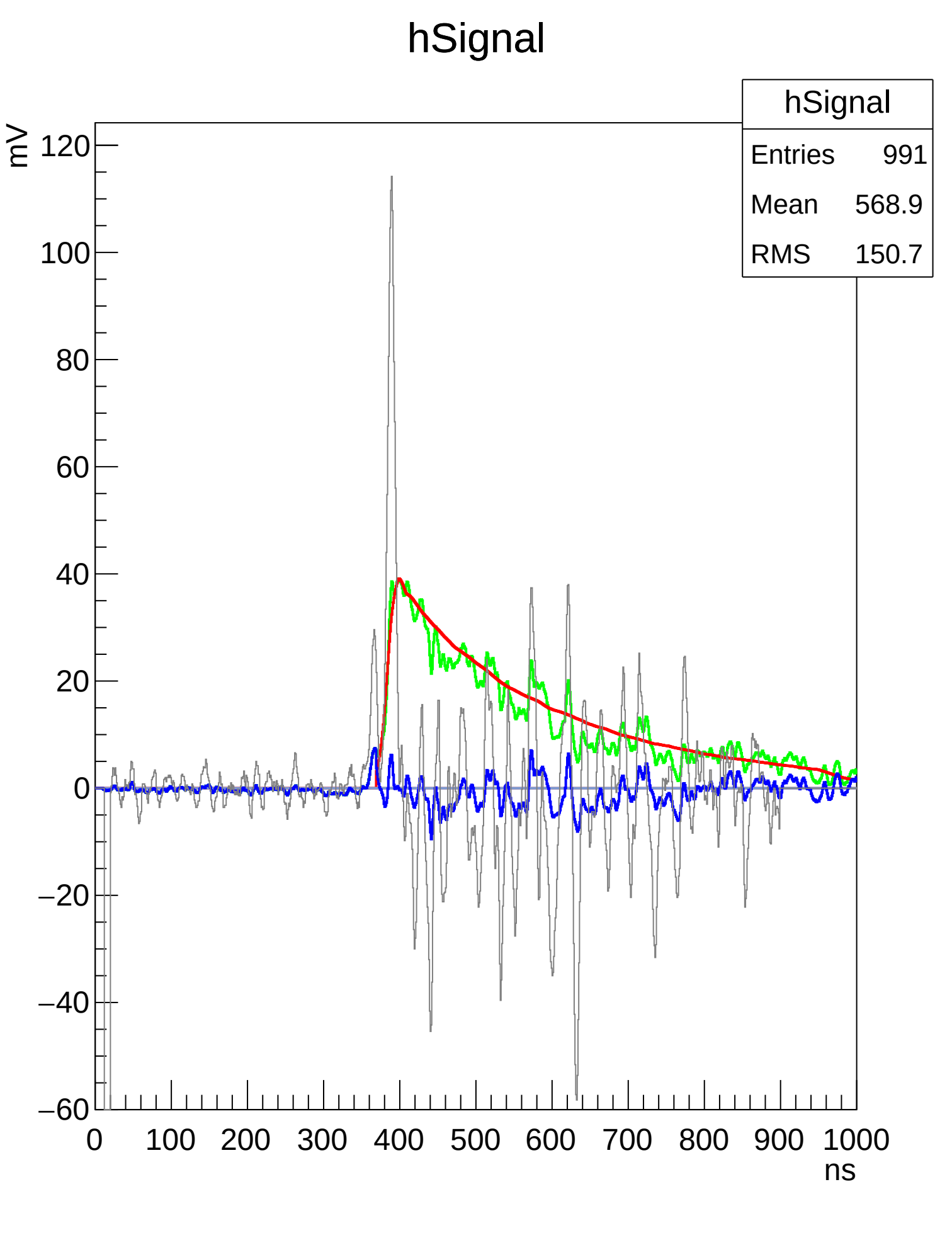

hSignal
hSignal
Entries 991
Mean 536.3
RMS 173.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

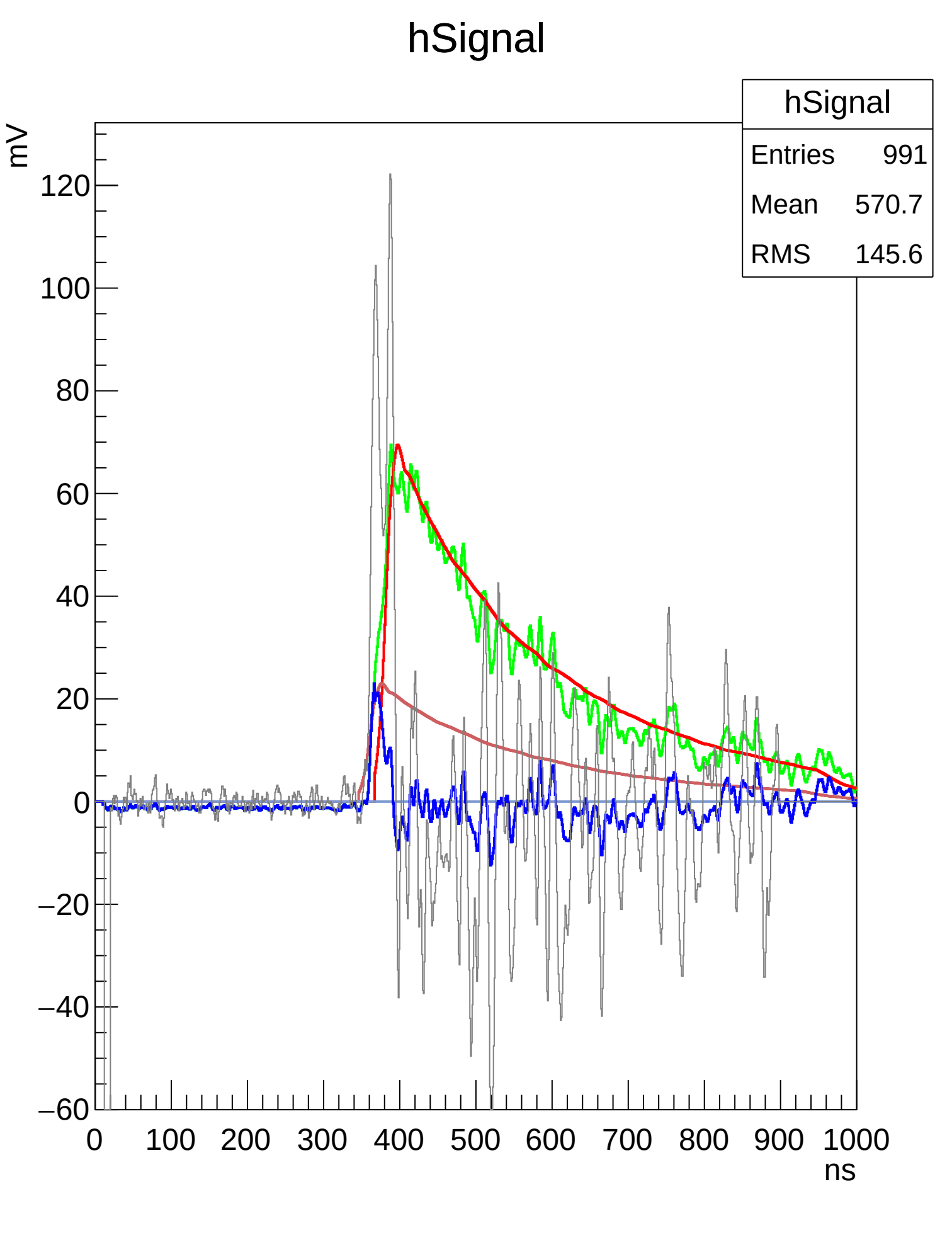

hSignal
hSignal
Entries 991
Mean 558.4
RMS 160.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

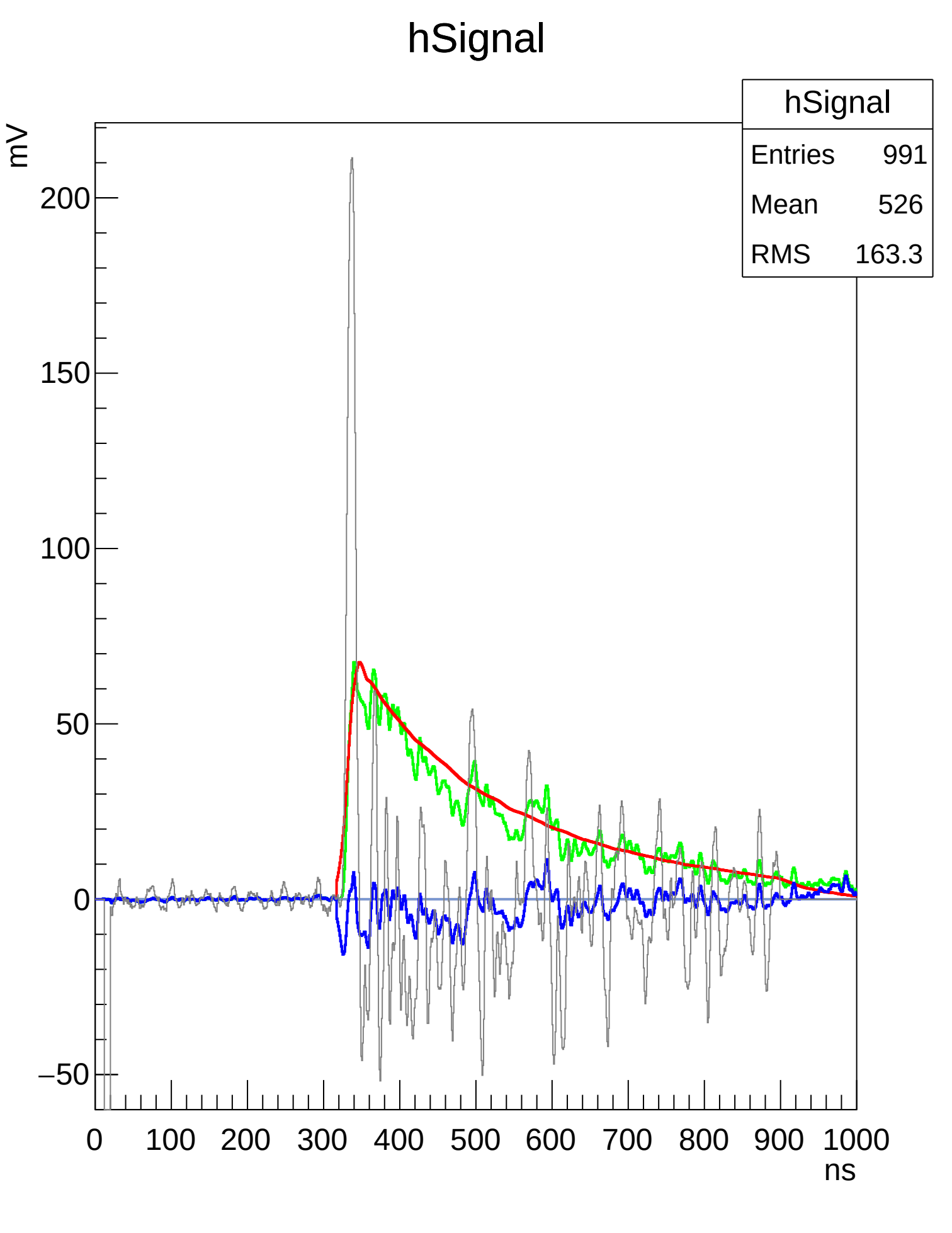

hSignal
hSignal
Entries 991
Mean 518.9
RMS 161.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

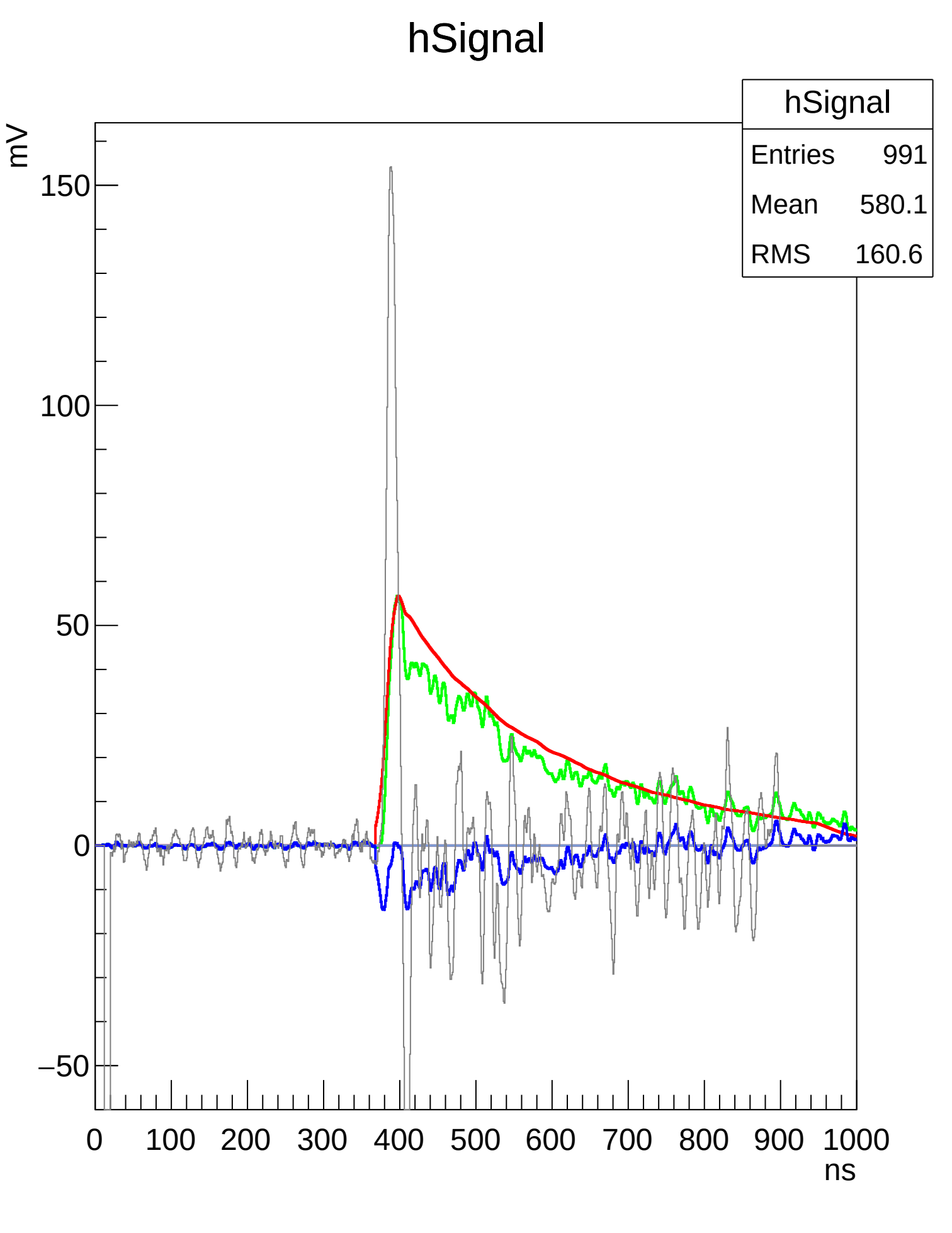

hSignal
hSignal
Entries 991
Mean 494.4
RMS 177.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

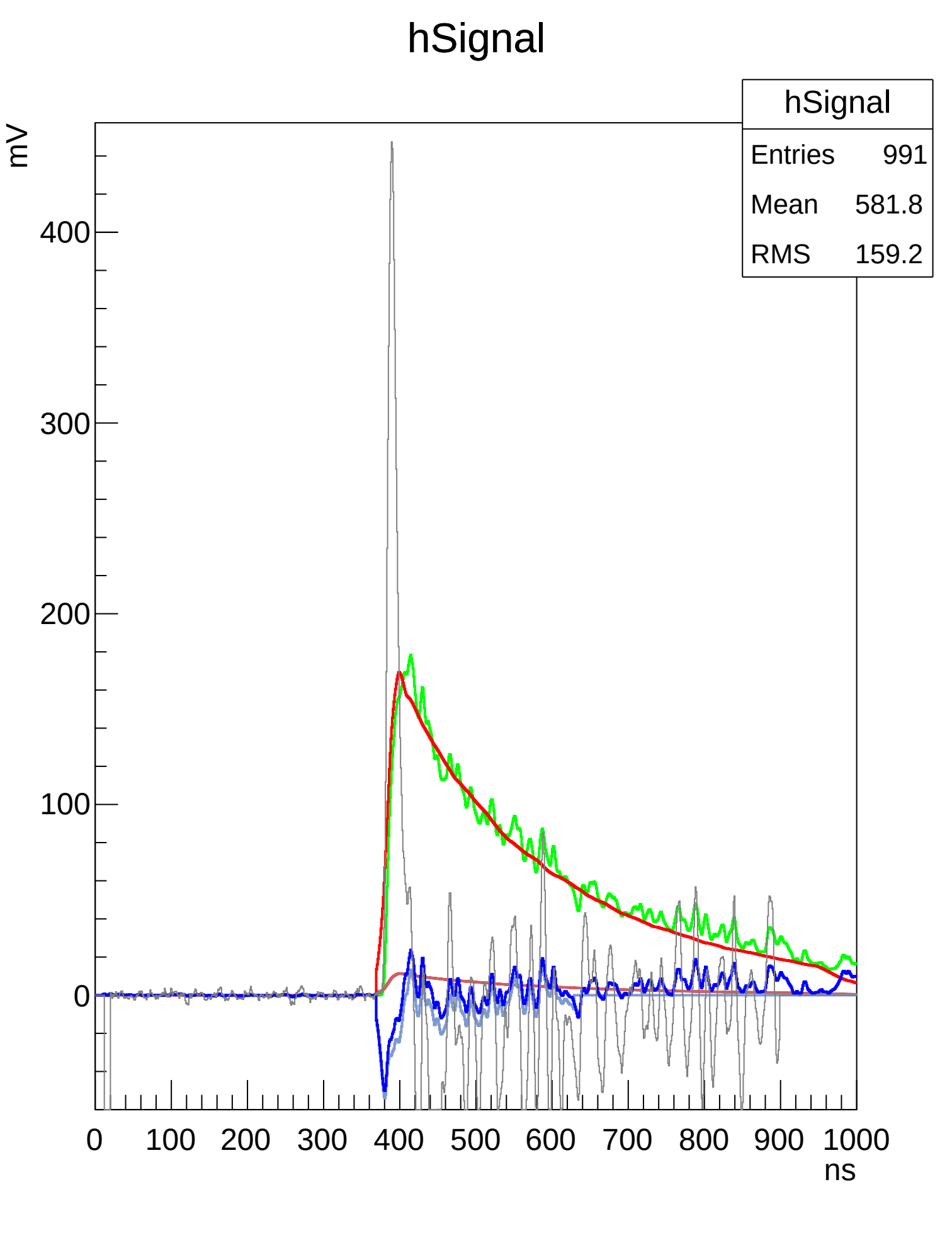

hSignal
hSignal
Entries 991
Mean 578.5
RMS 158.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

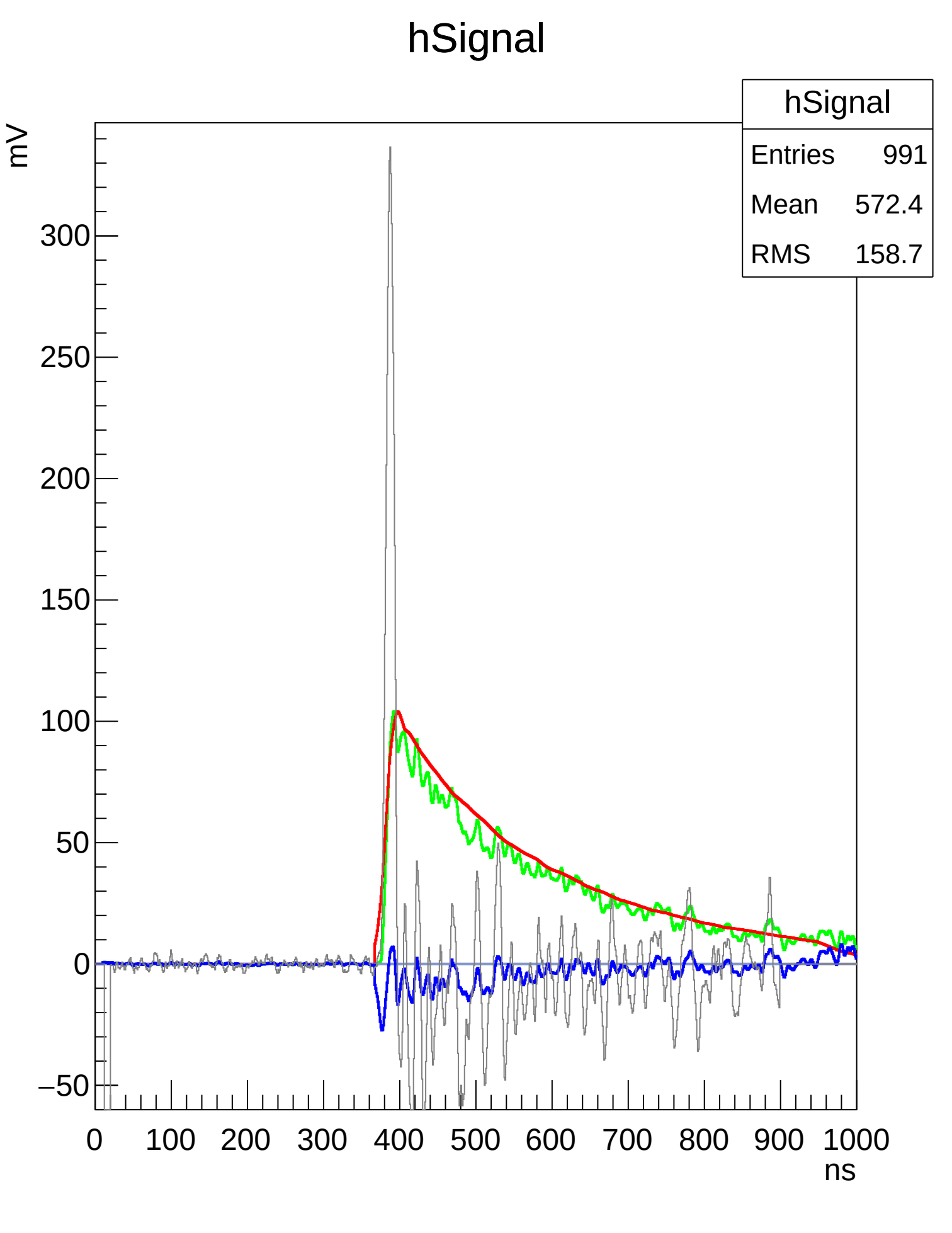

hSignal
hSignal
Entries 991
Mean 568.9
RMS 150.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

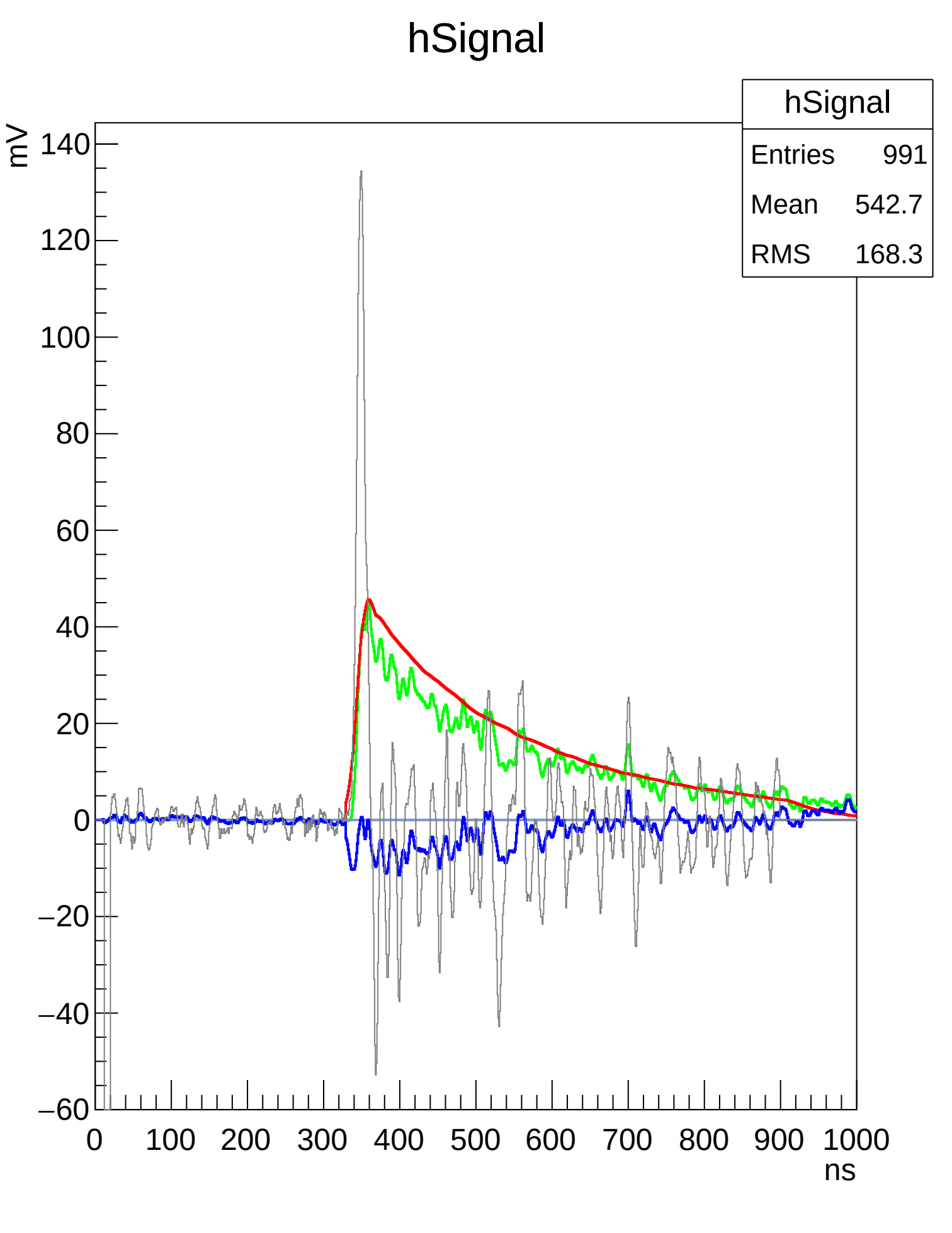

hSignal
hSignal
Entries 991
Mean 570.7
RMS 145.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

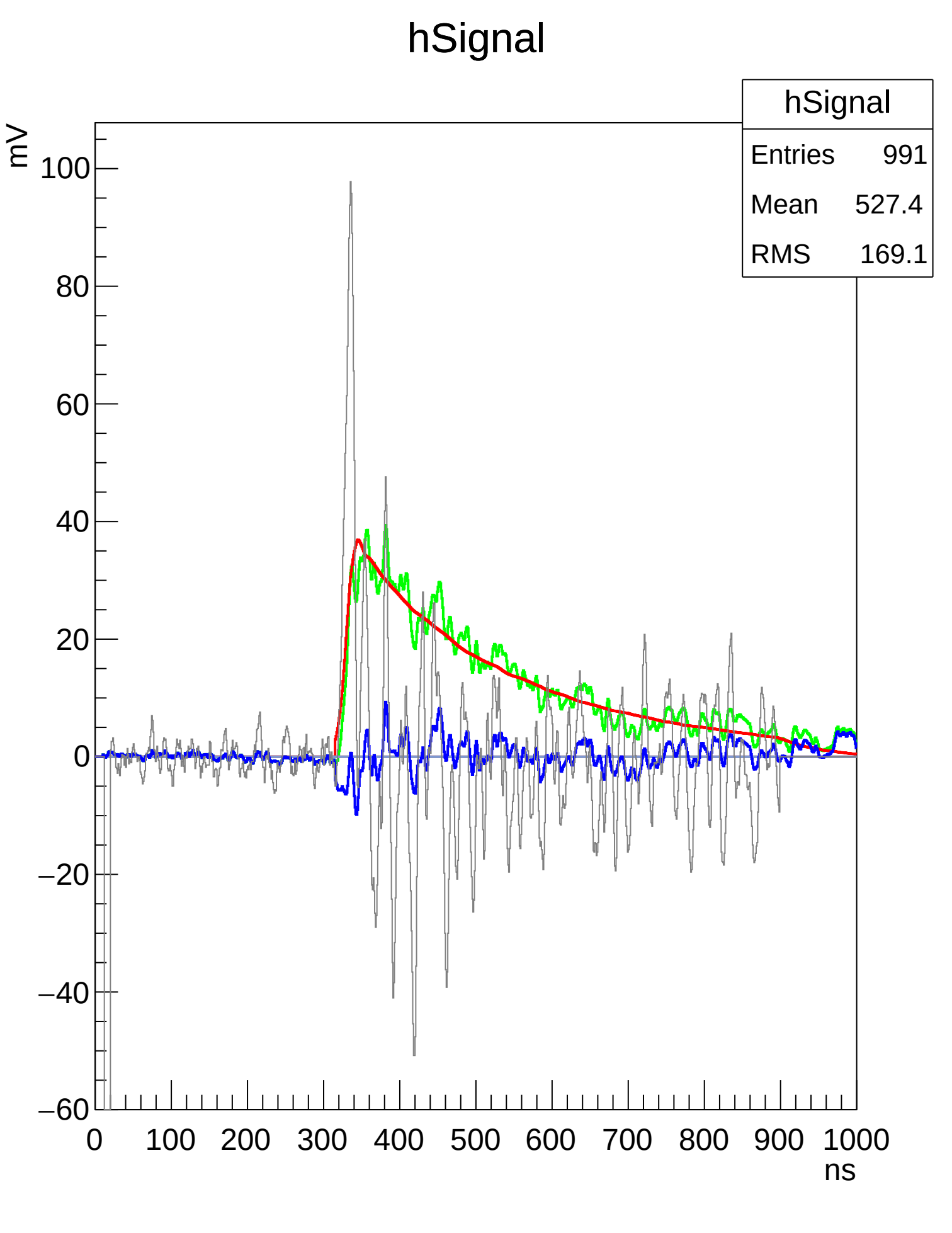

hSignal
hSignal
Entries 991
Mean 526
RMS 163.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

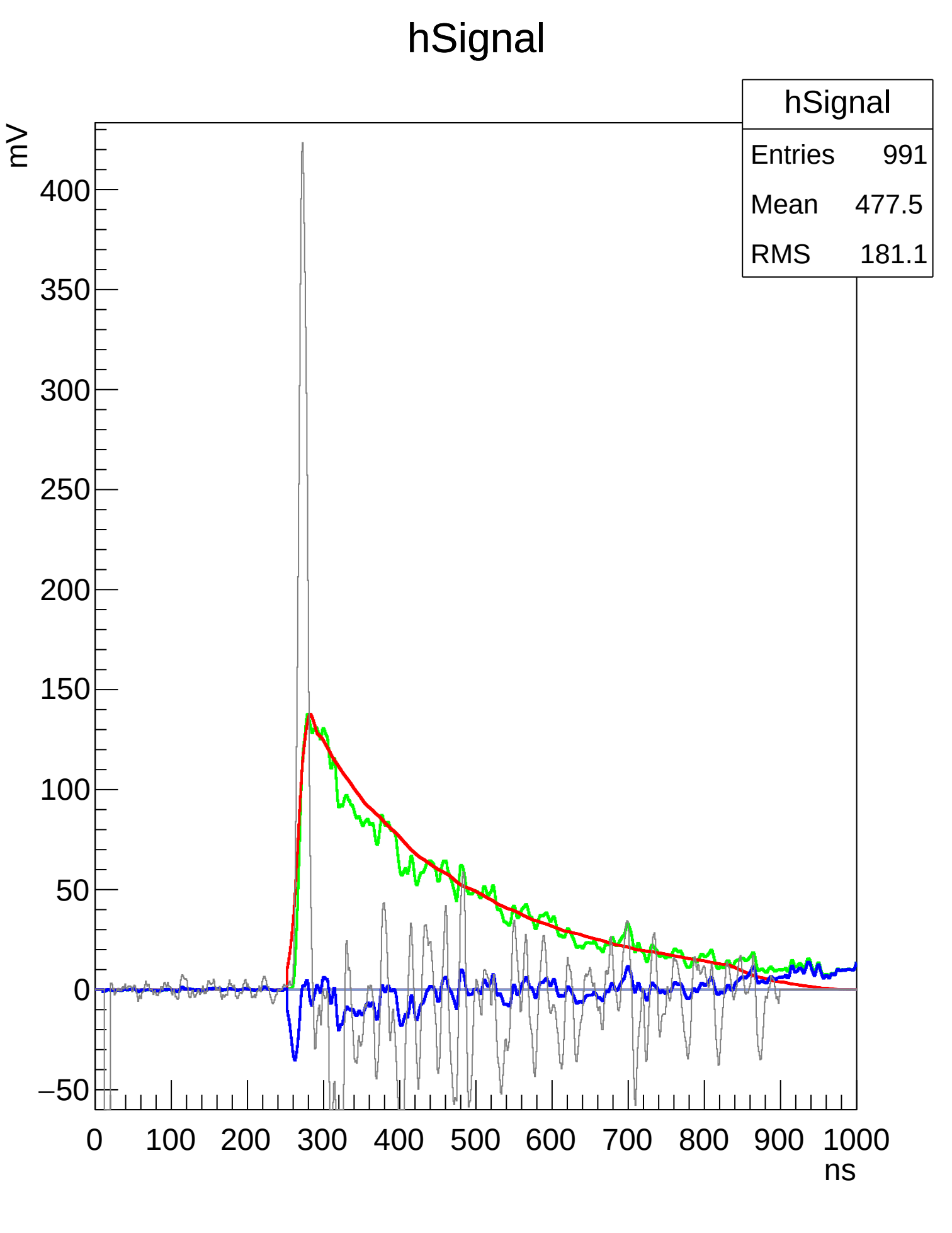

hSignal
hSignal
Entries 991
Mean 580.1
RMS 160.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

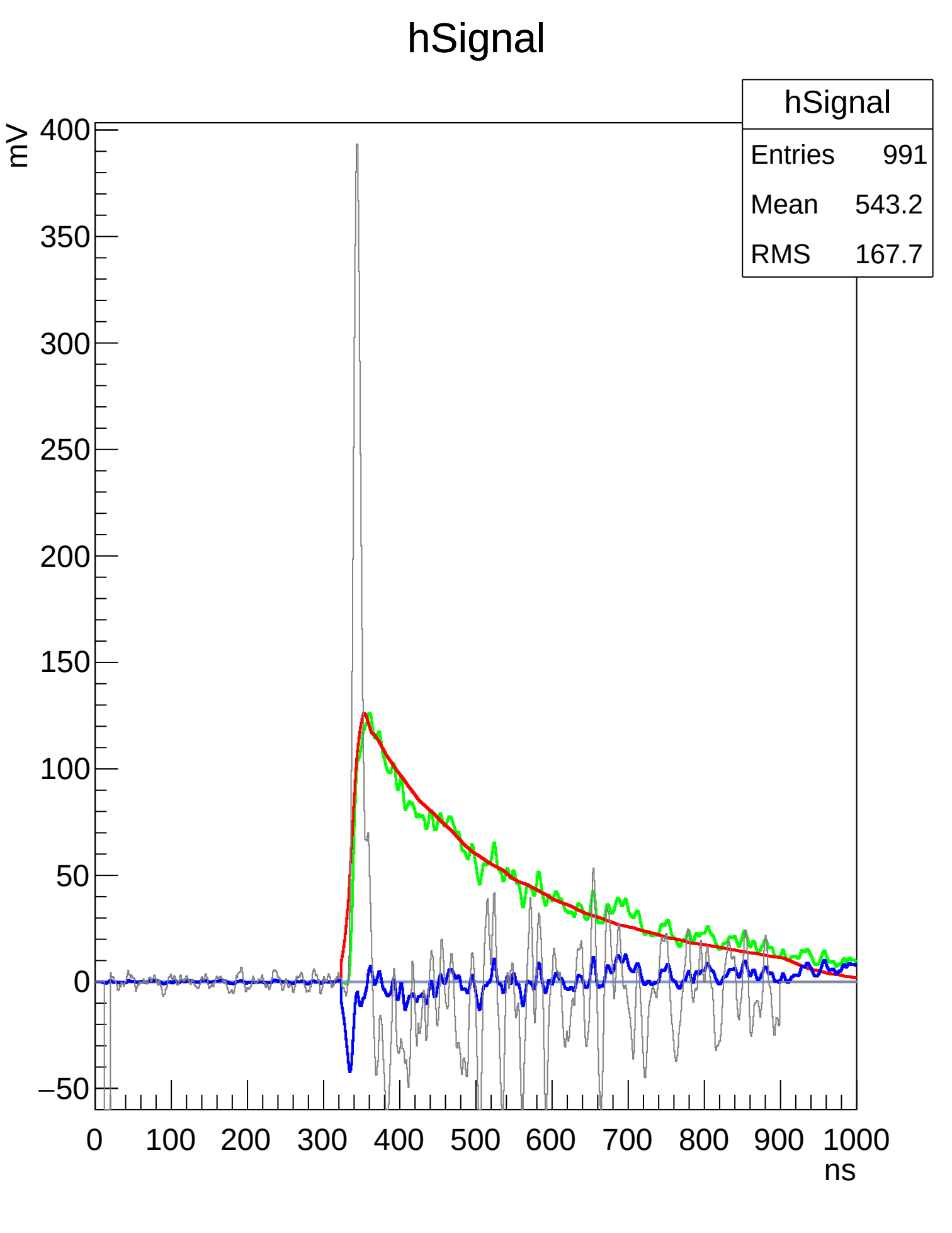

hSignal
hSignal
Entries 991
Mean 581.8
RMS 159.2
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

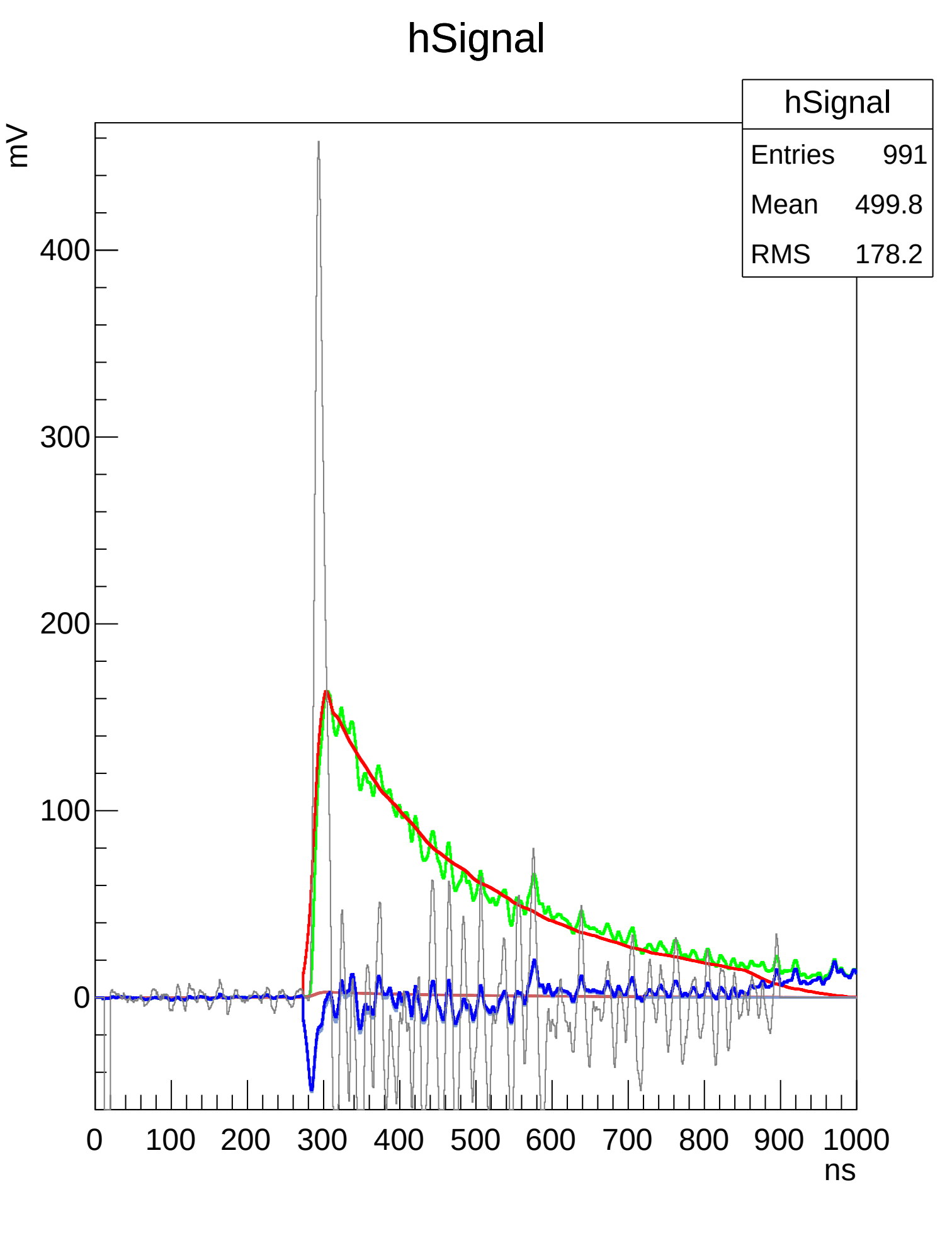

hSignal
hSignal
Entries 991
Mean 572.4
RMS 158.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

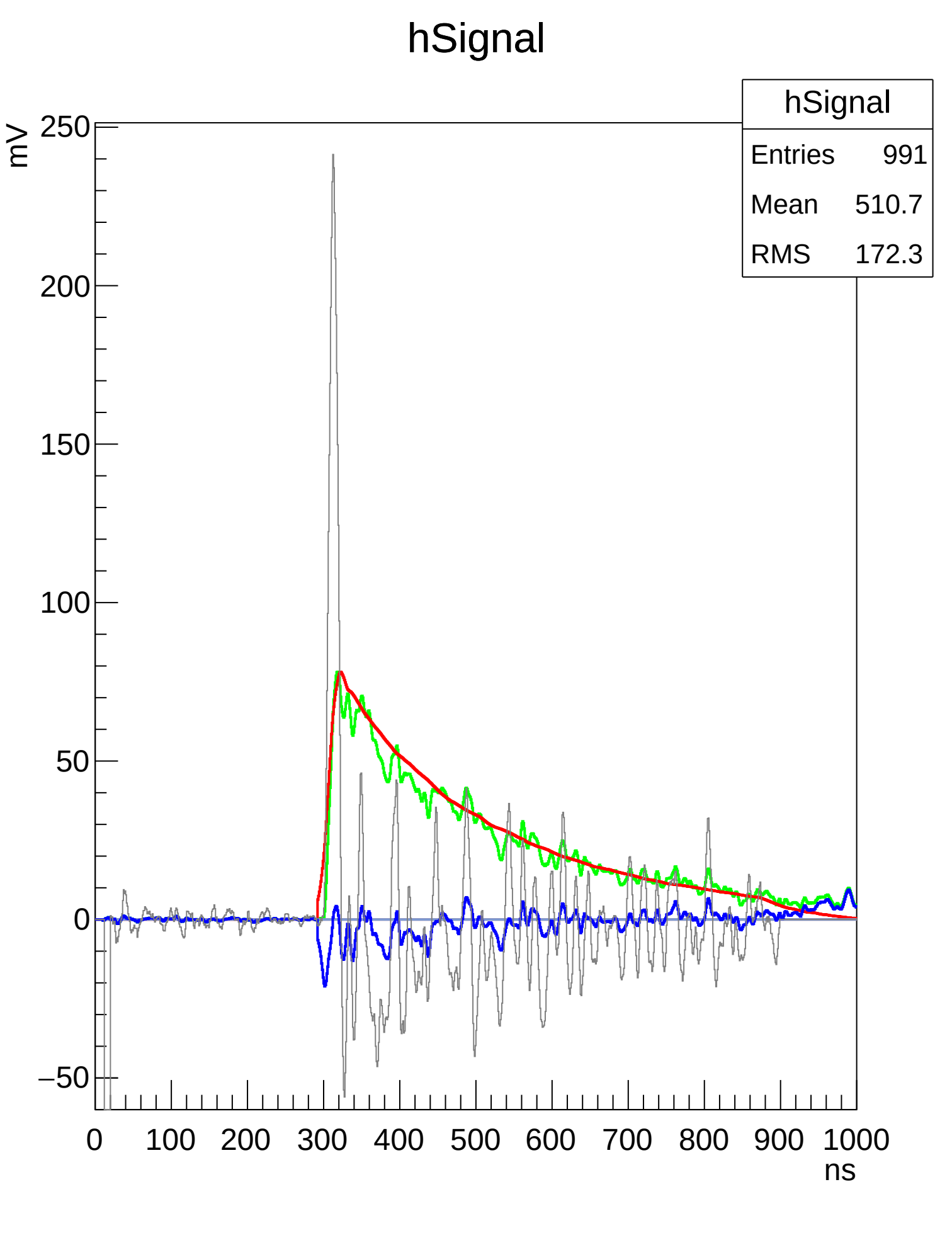

hSignal
hSignal
Entries 991
Mean 542.7
RMS 168.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

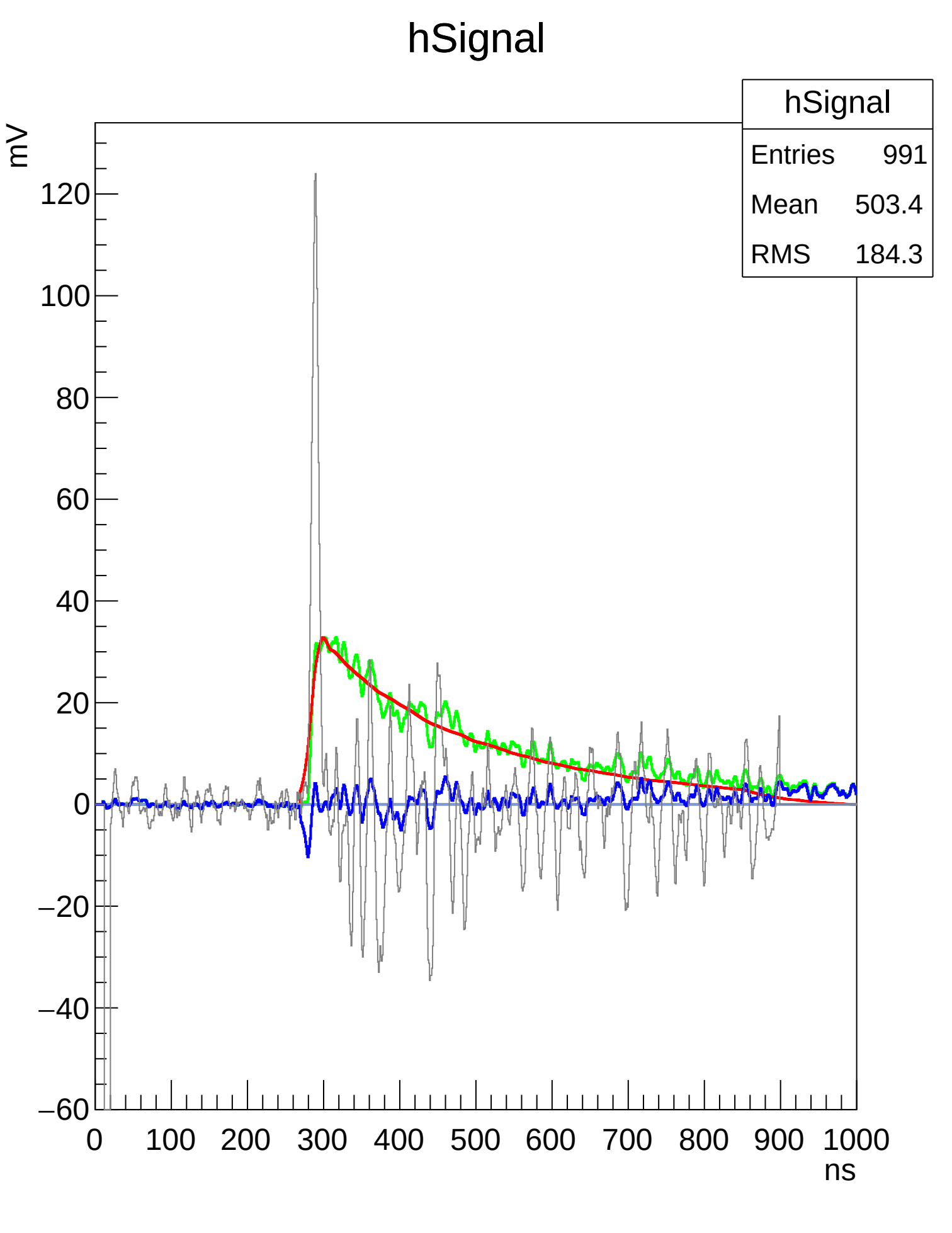

hSignal
hSignal
Entries 991
Mean 527.4
RMS 169.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

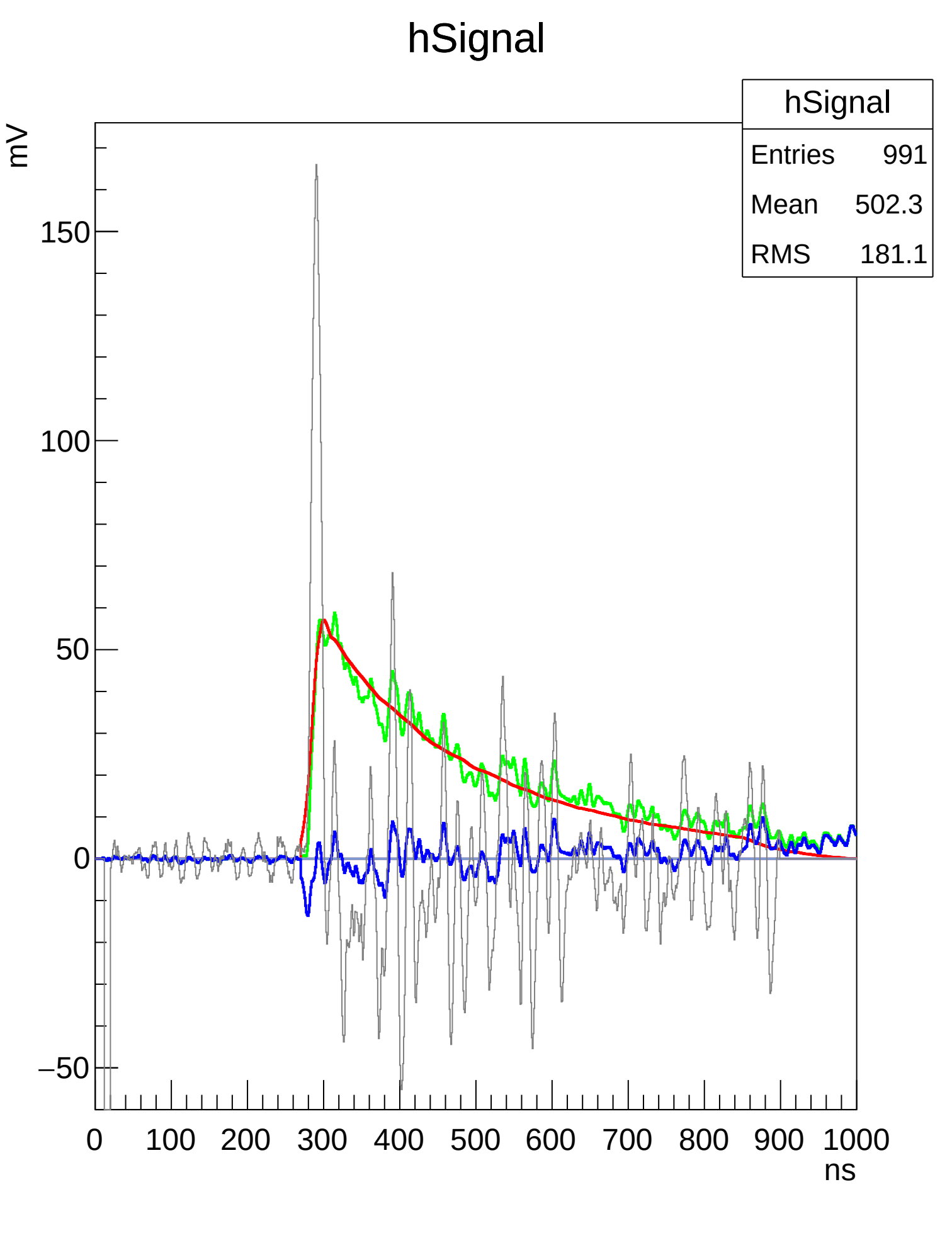

hSignal
hSignal
Entries 991
Mean 477.5
RMS 181.1
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

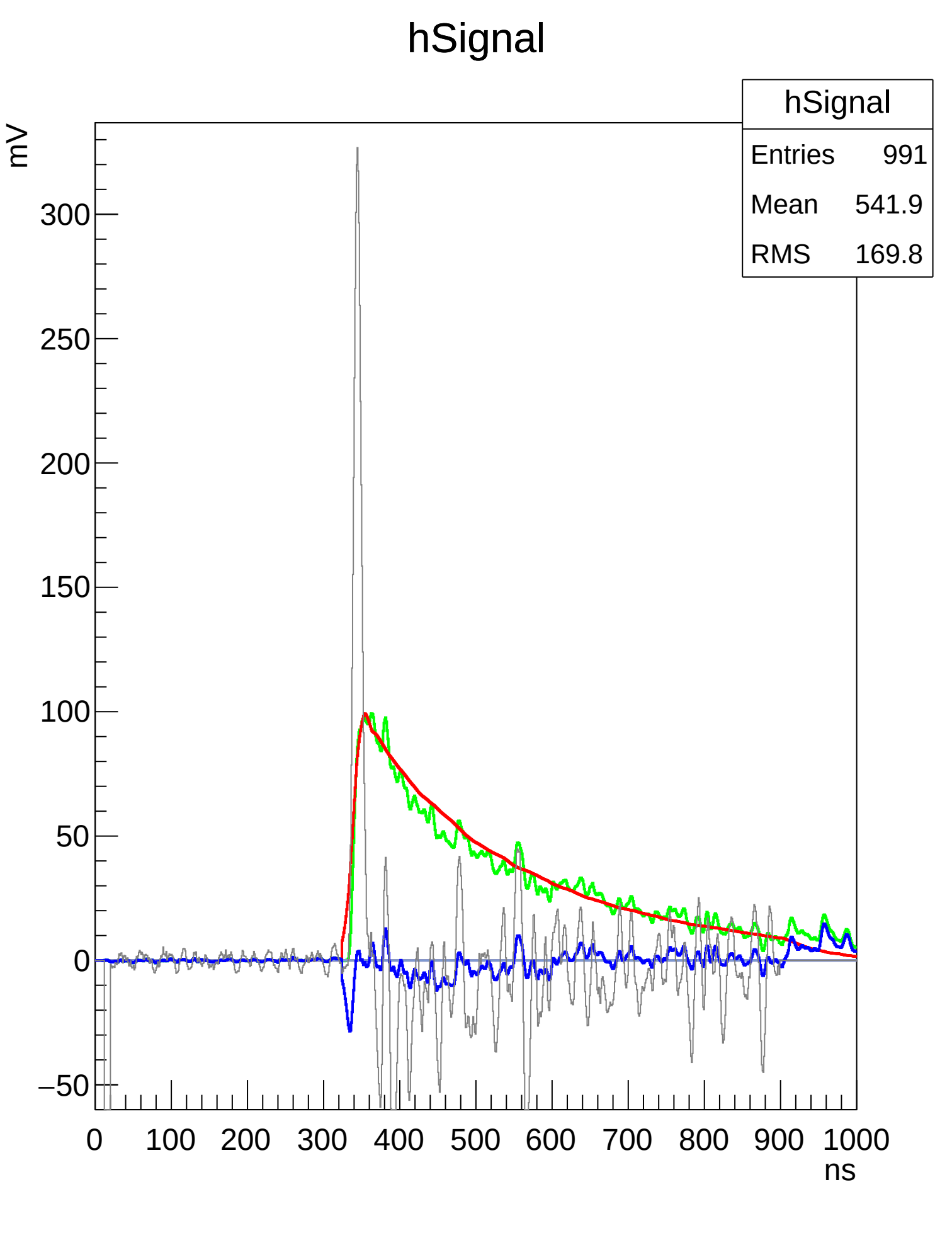

hSignal
hSignal
Entries 991
Mean 543.2
RMS 167.7
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

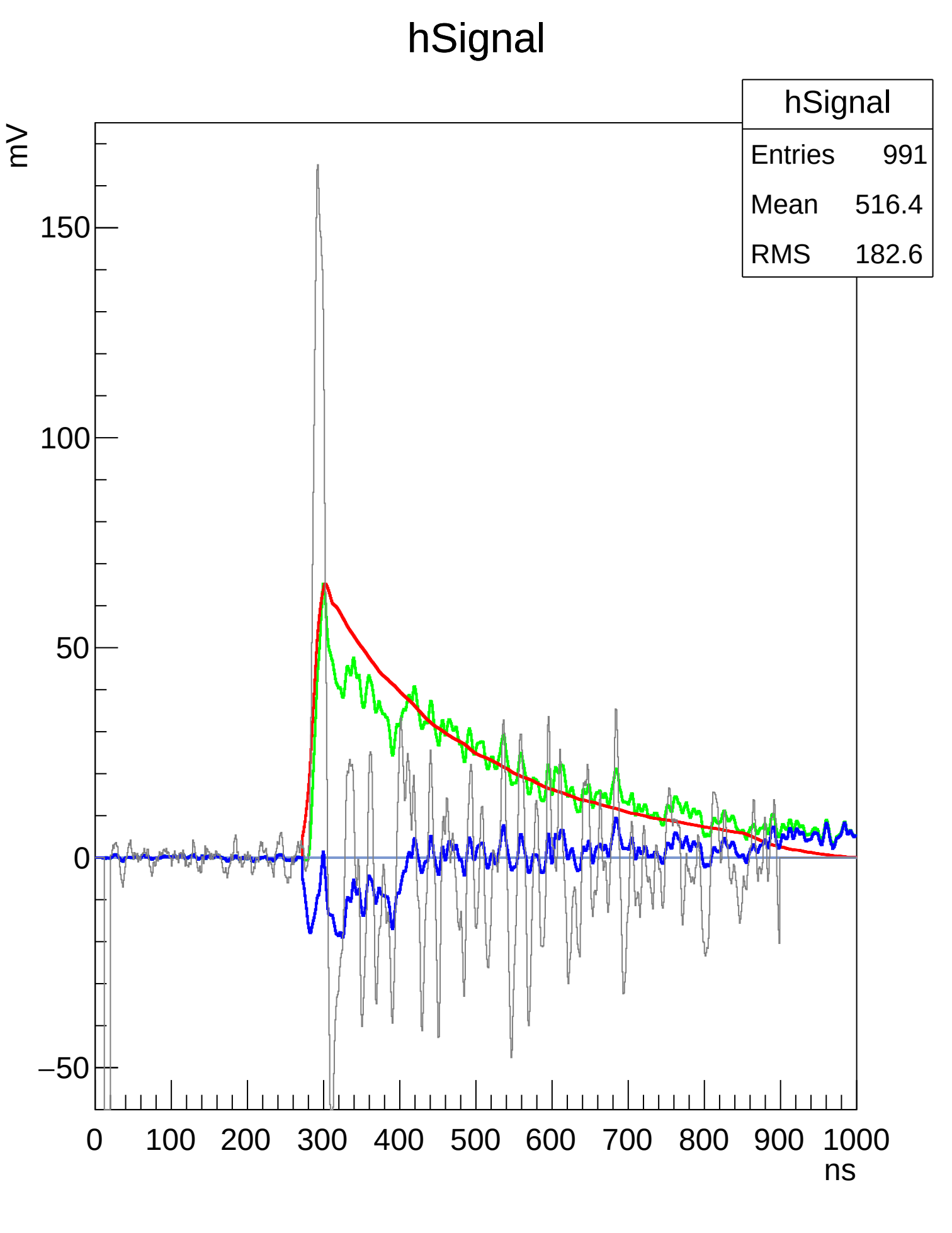

hSignal
hSignal
Entries 991
Mean 499.8
RMS 178.2
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

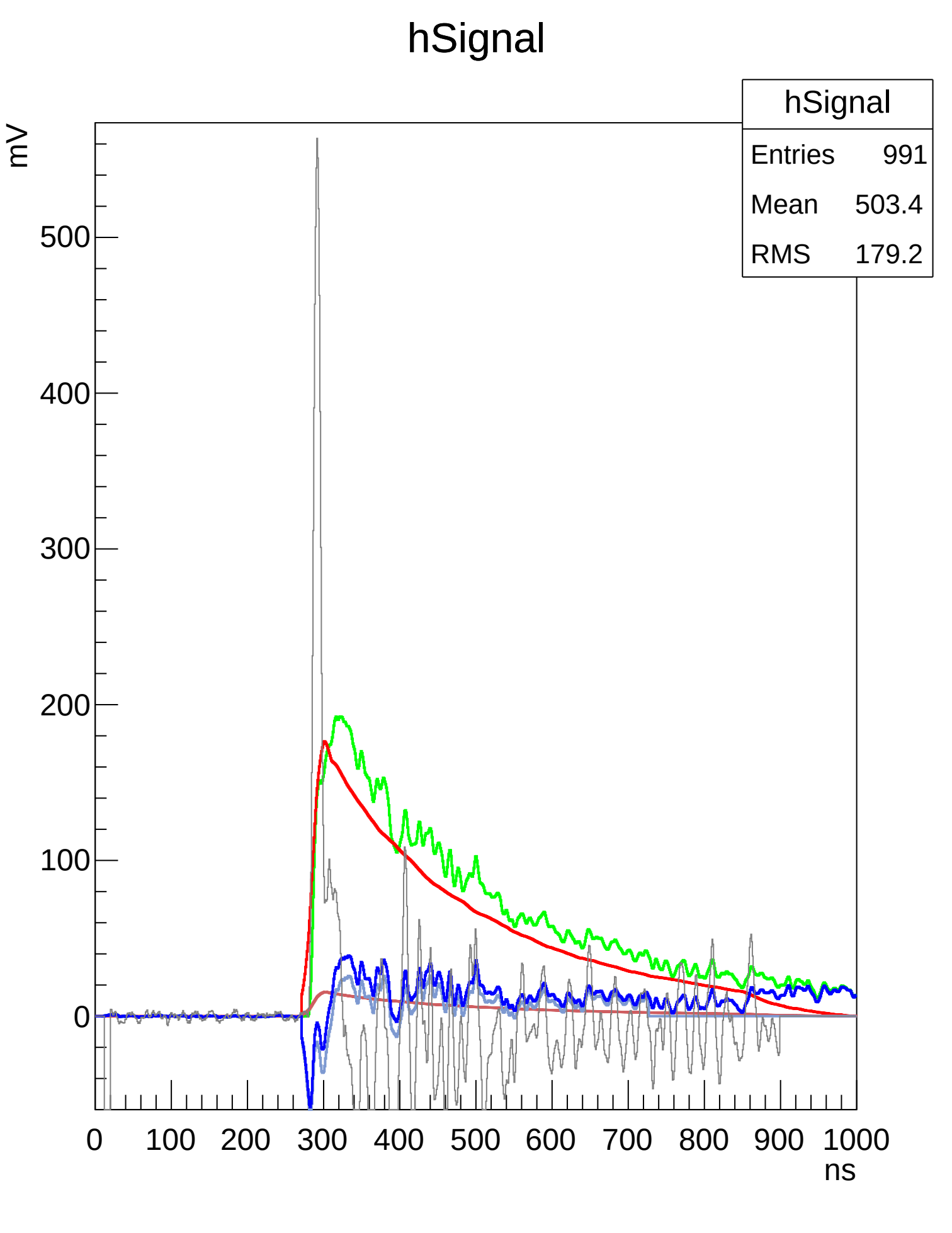

hSignal
hSignal
Entries 991
Mean 510.7
RMS 172.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

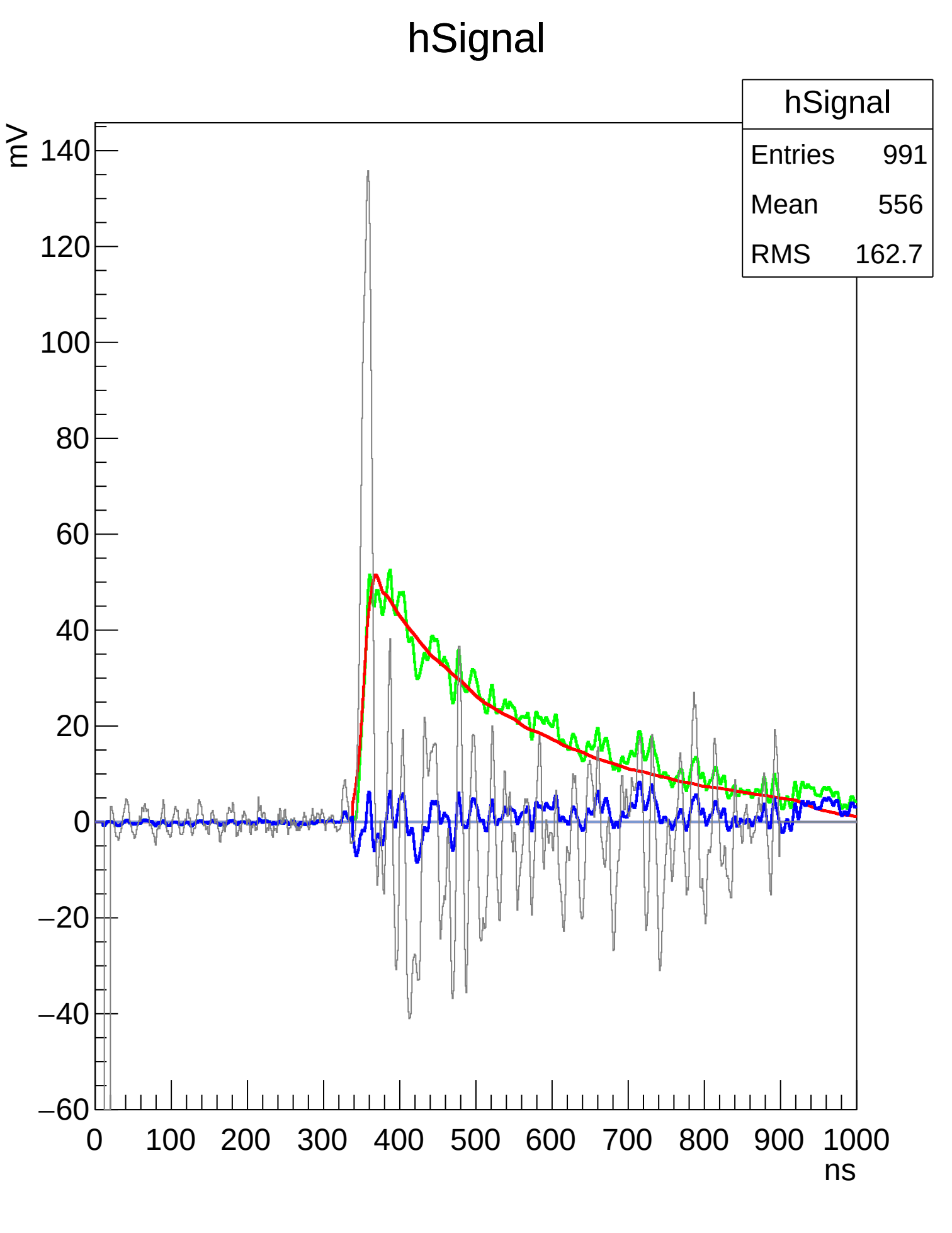

hSignal
hSignal
Entries 991
Mean 503.4
RMS 184.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

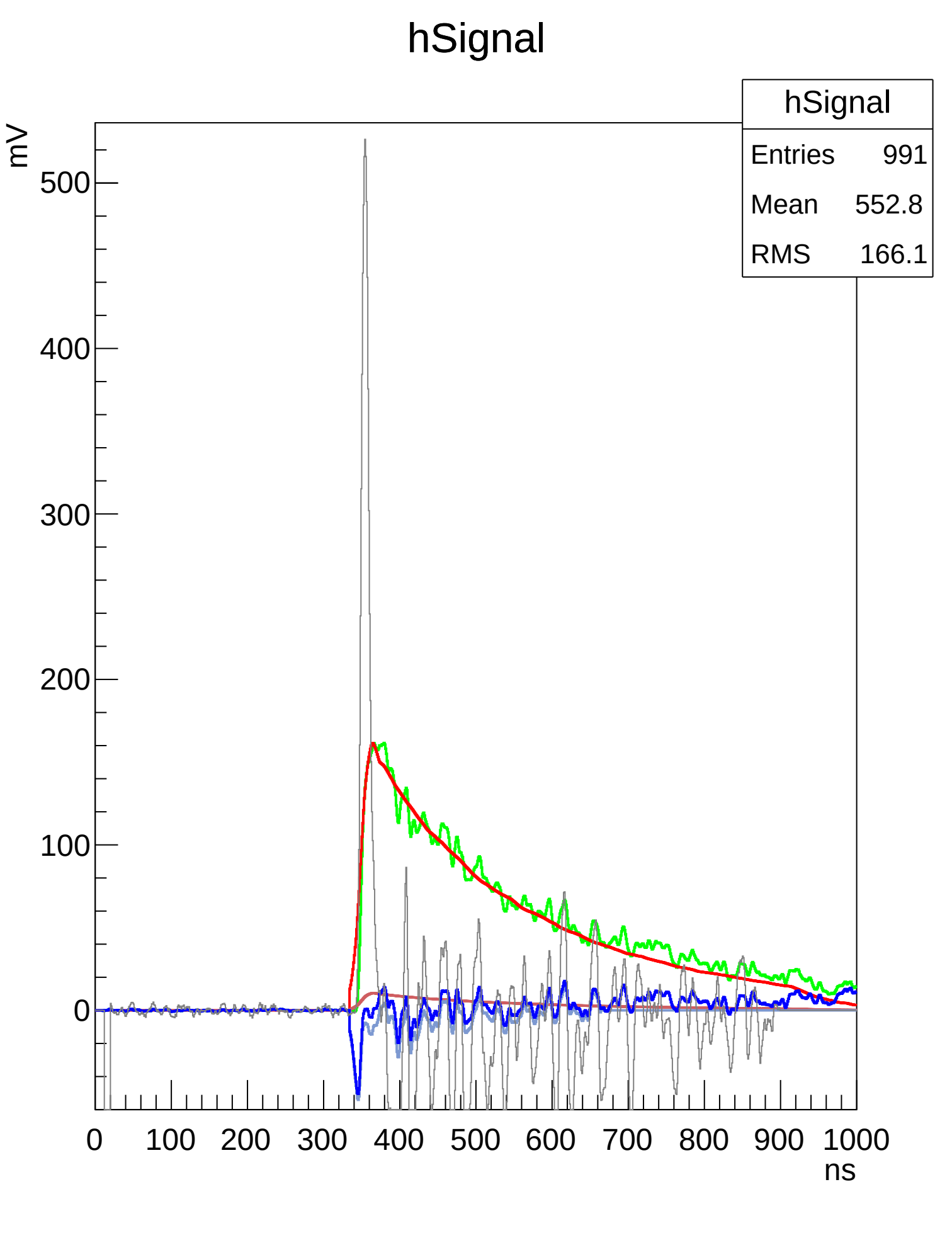

hSignal
hSignal
Entries 991
Mean 502.3
RMS 181.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

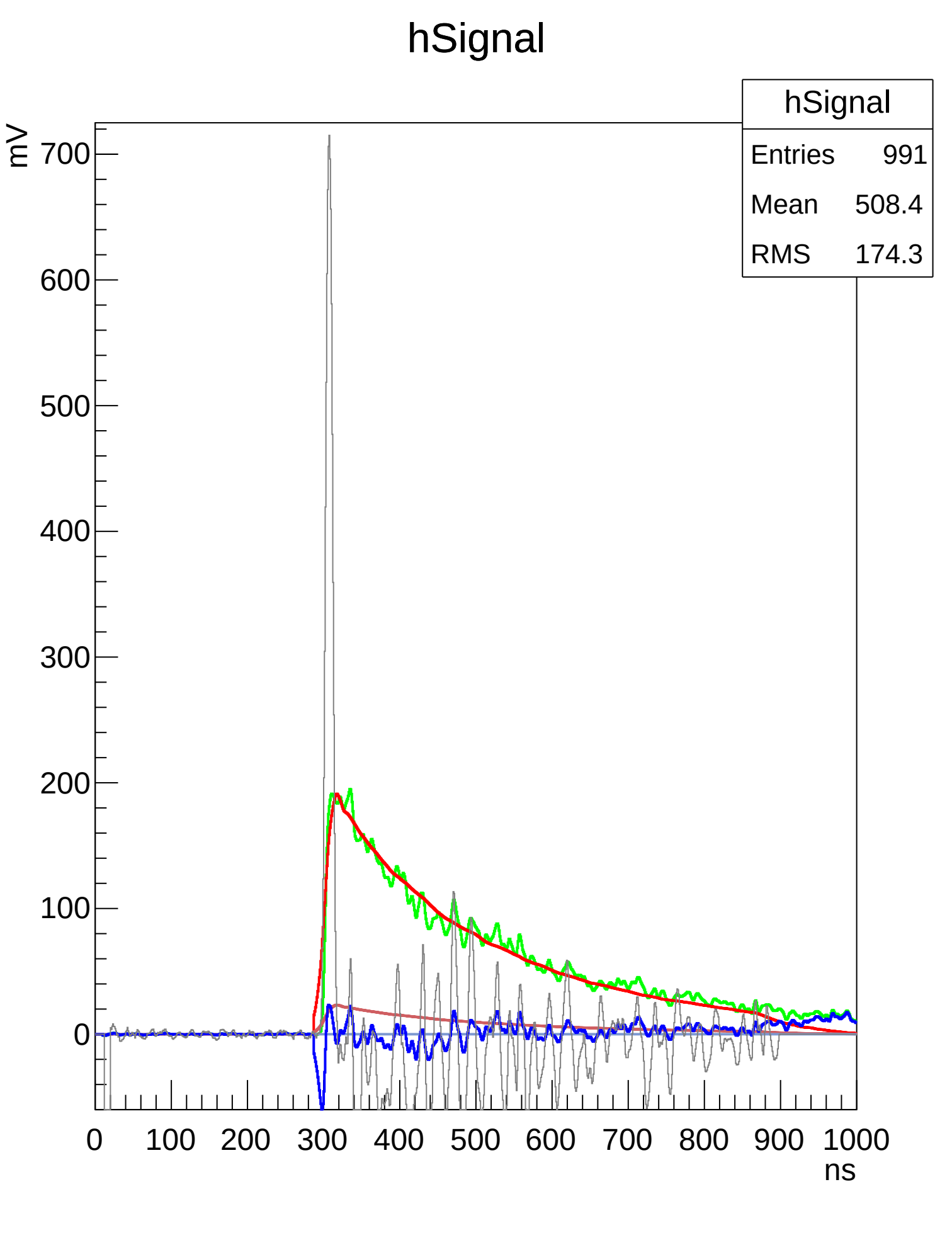

hSignal
hSignal
Entries 991
Mean 541.9
RMS 169.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

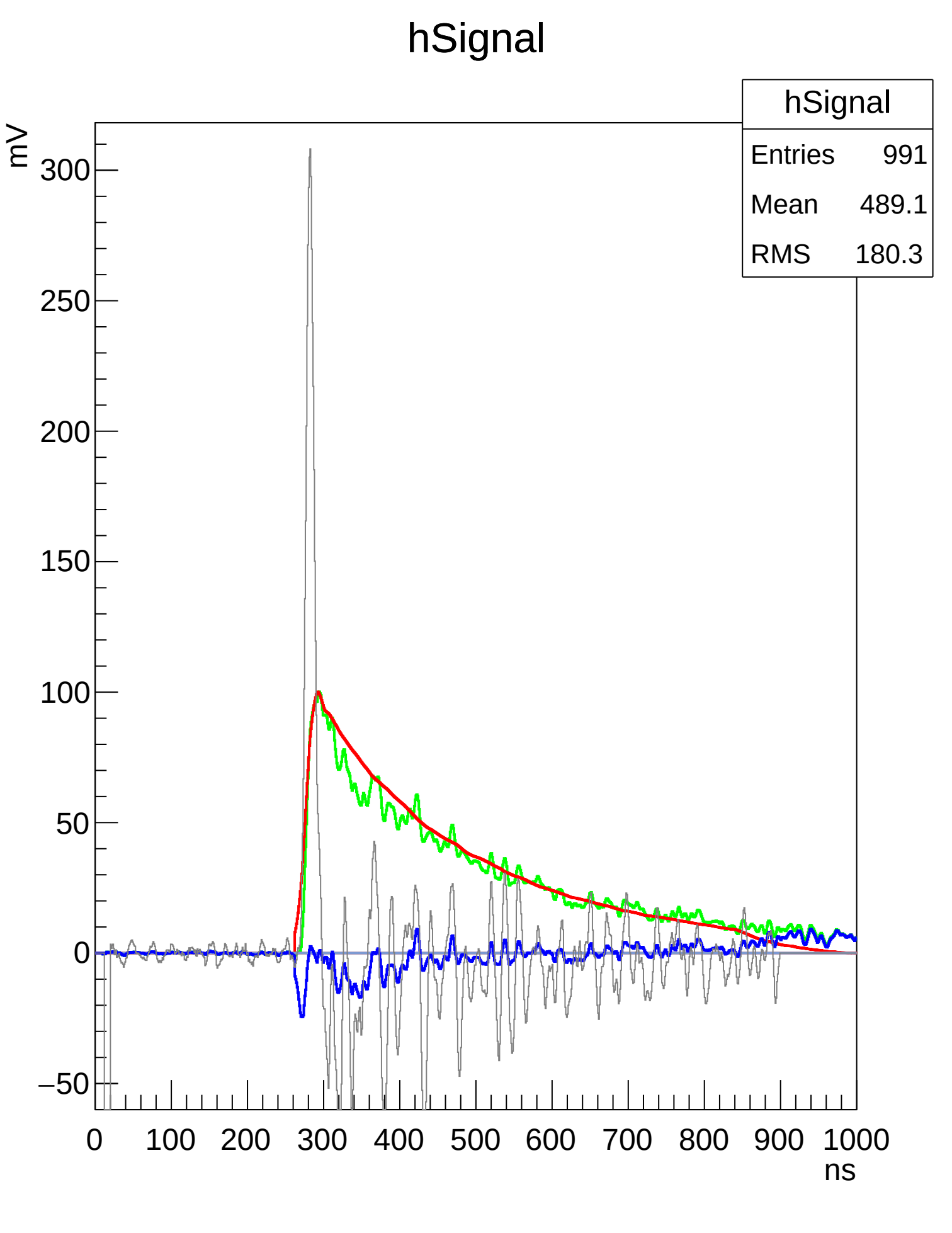

hSignal
hSignal
Entries 991
Mean 516.4
RMS 182.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

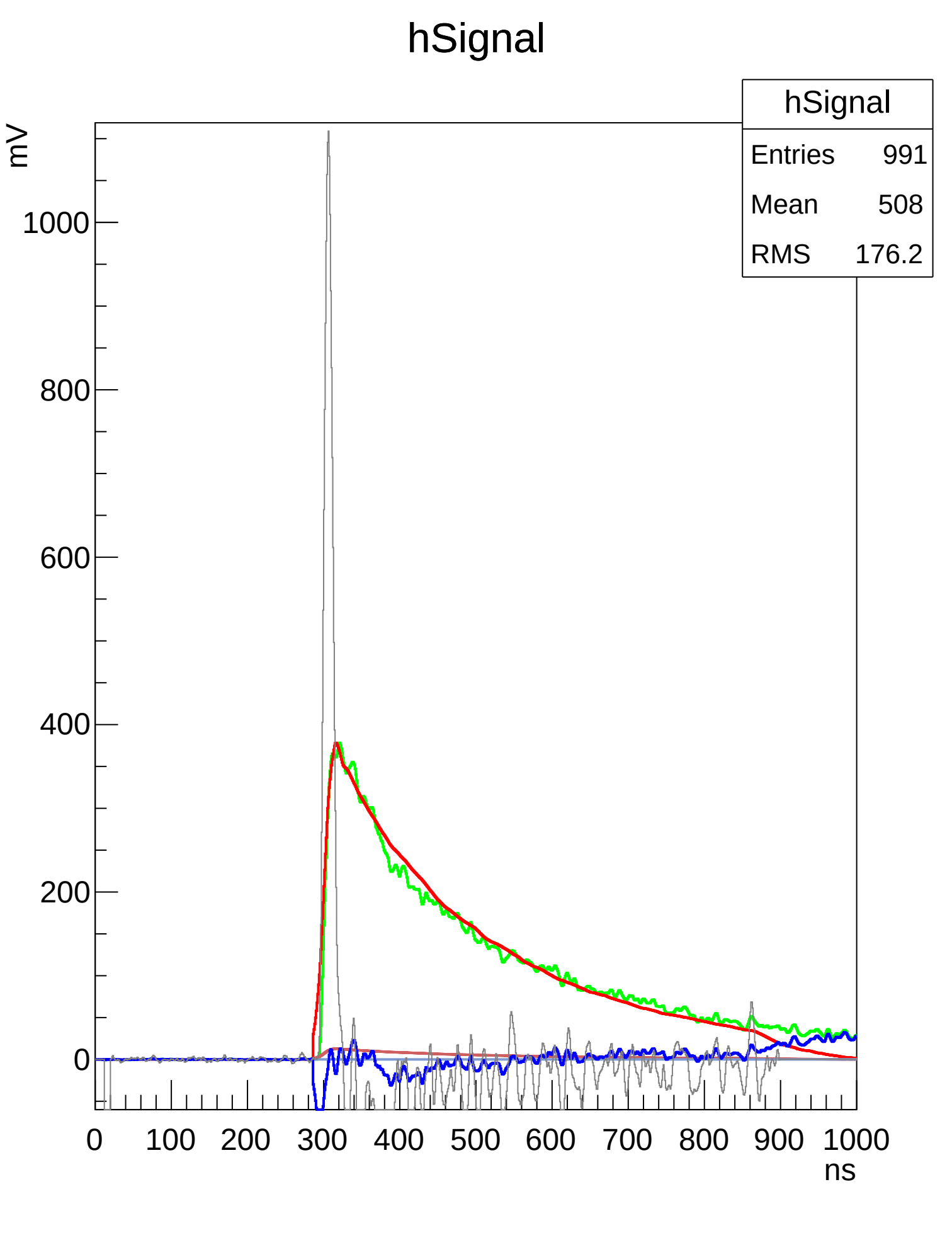

hSignal
hSignal
Entries 991
Mean 503.4
RMS 179.2
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

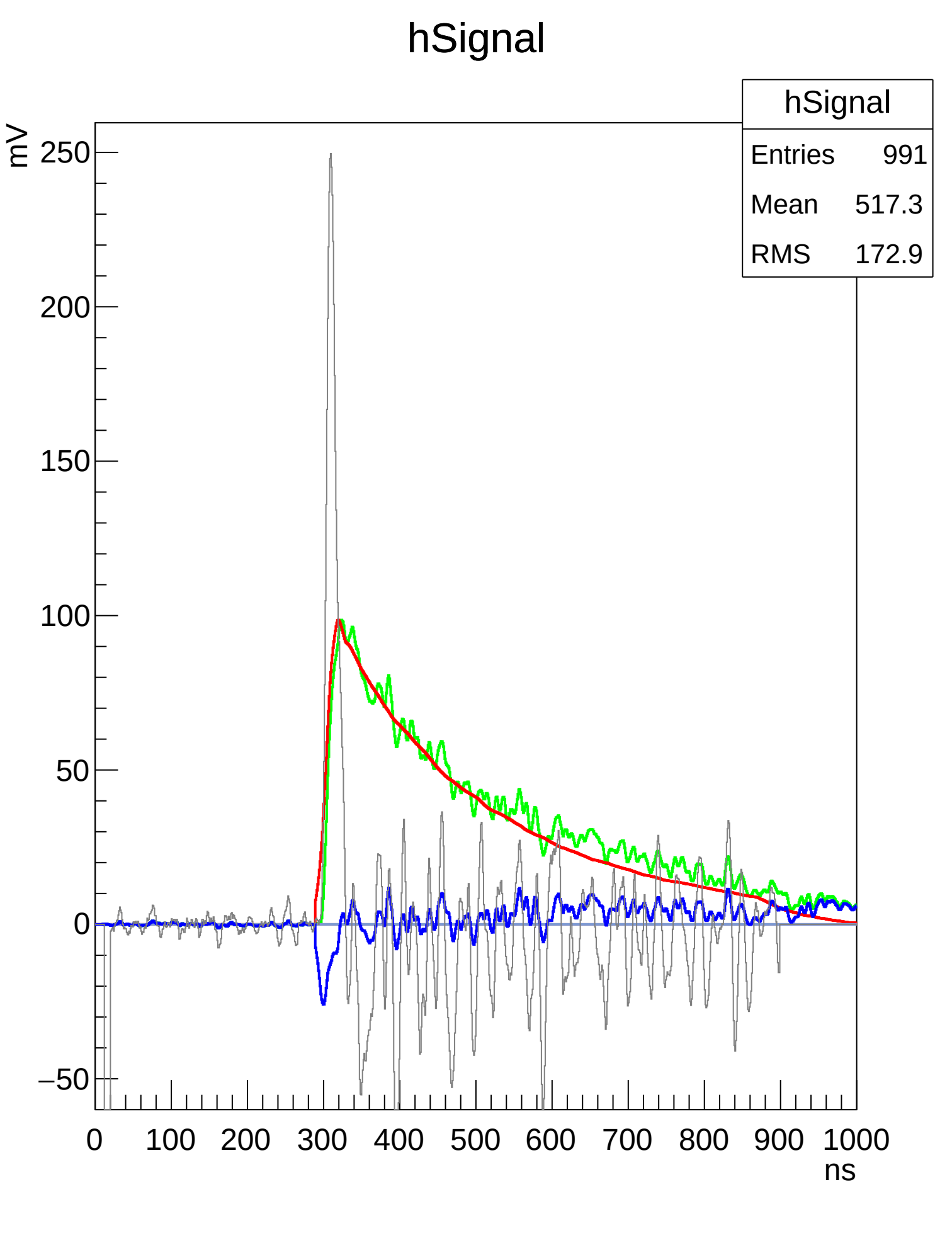

hSignal
hSignal
Entries 991
Mean 556
RMS 162.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

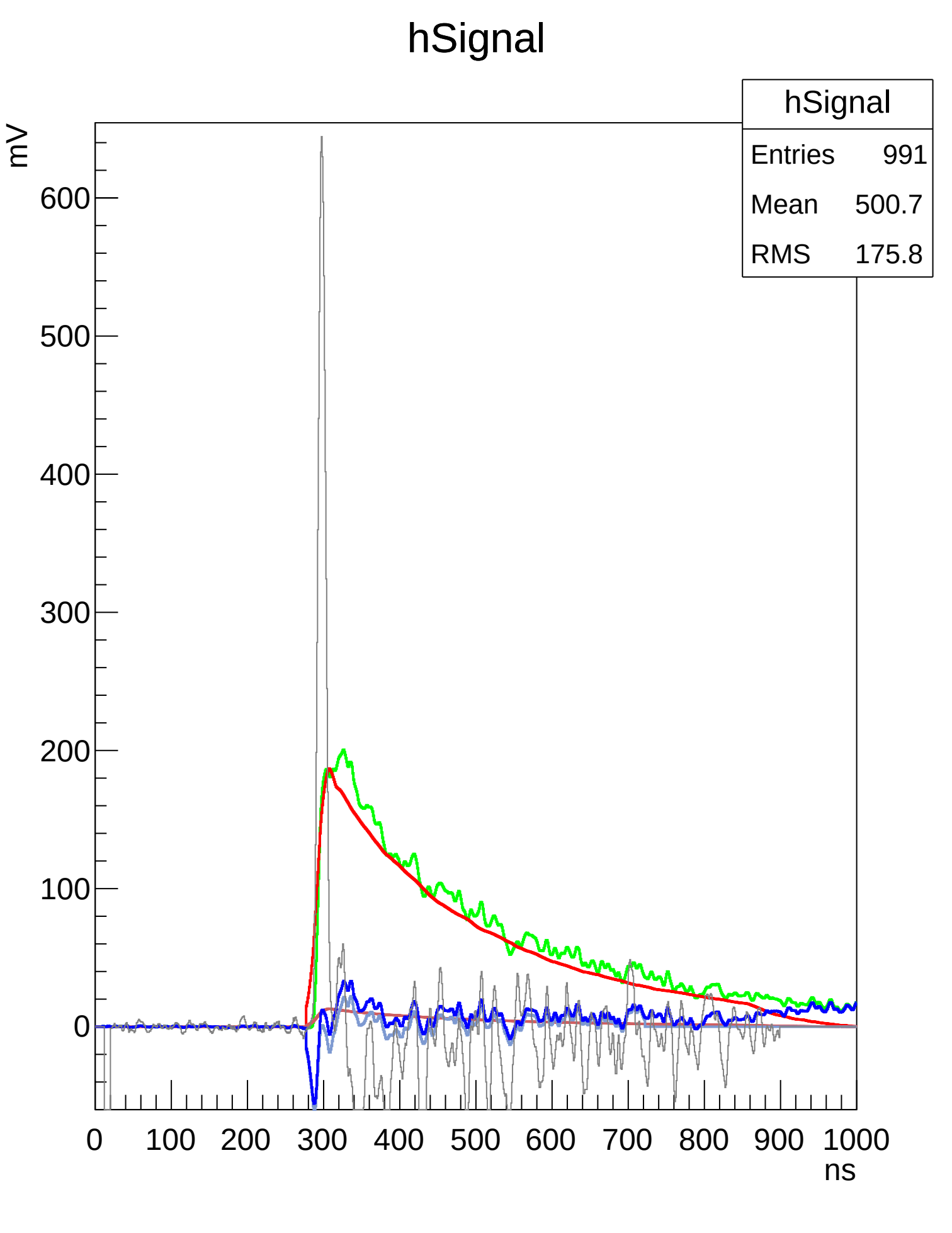

hSignal
hSignal
Entries 991
Mean 552.8
RMS 166.1
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

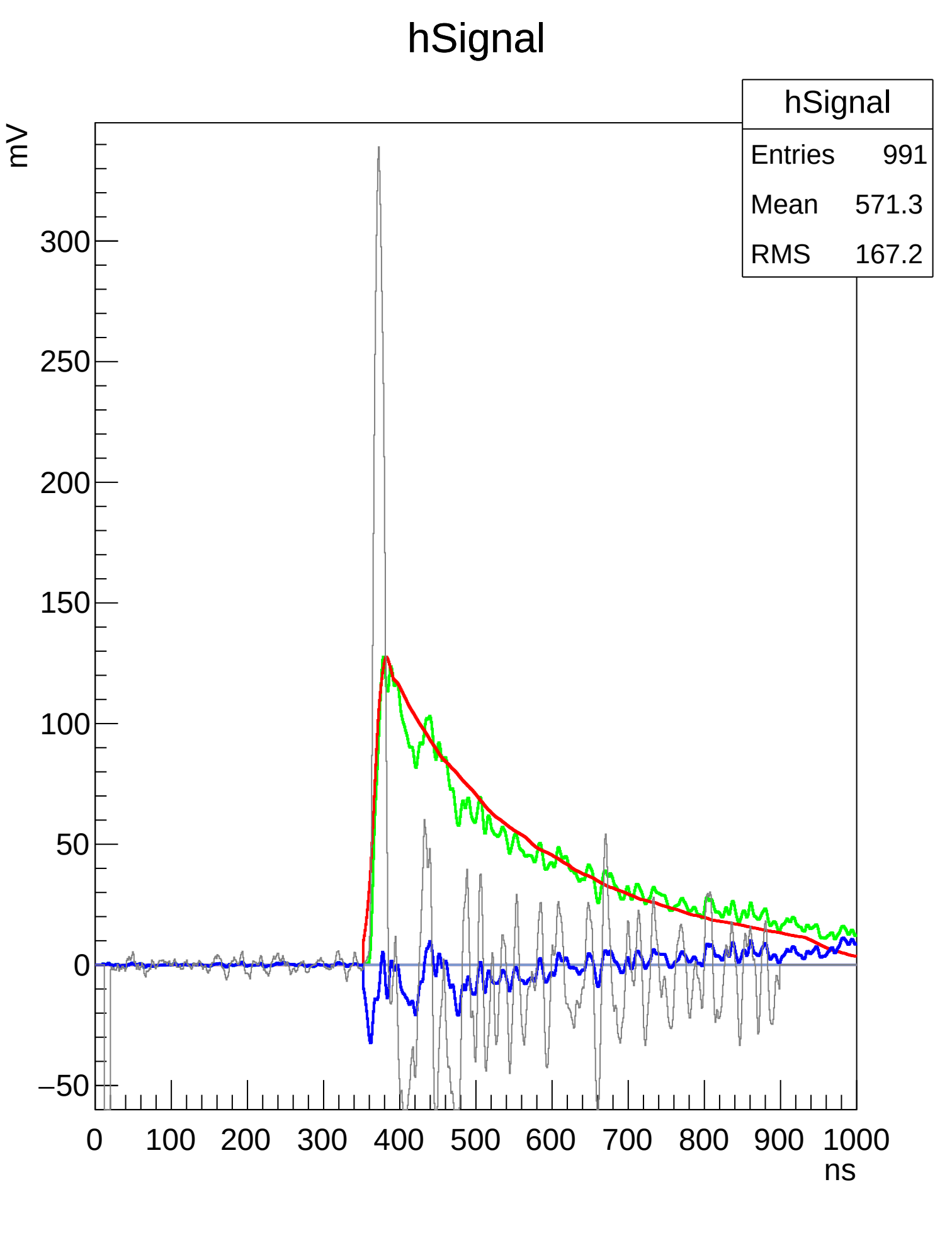

hSignal
hSignal
Entries 991
Mean 508.4
RMS 174.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

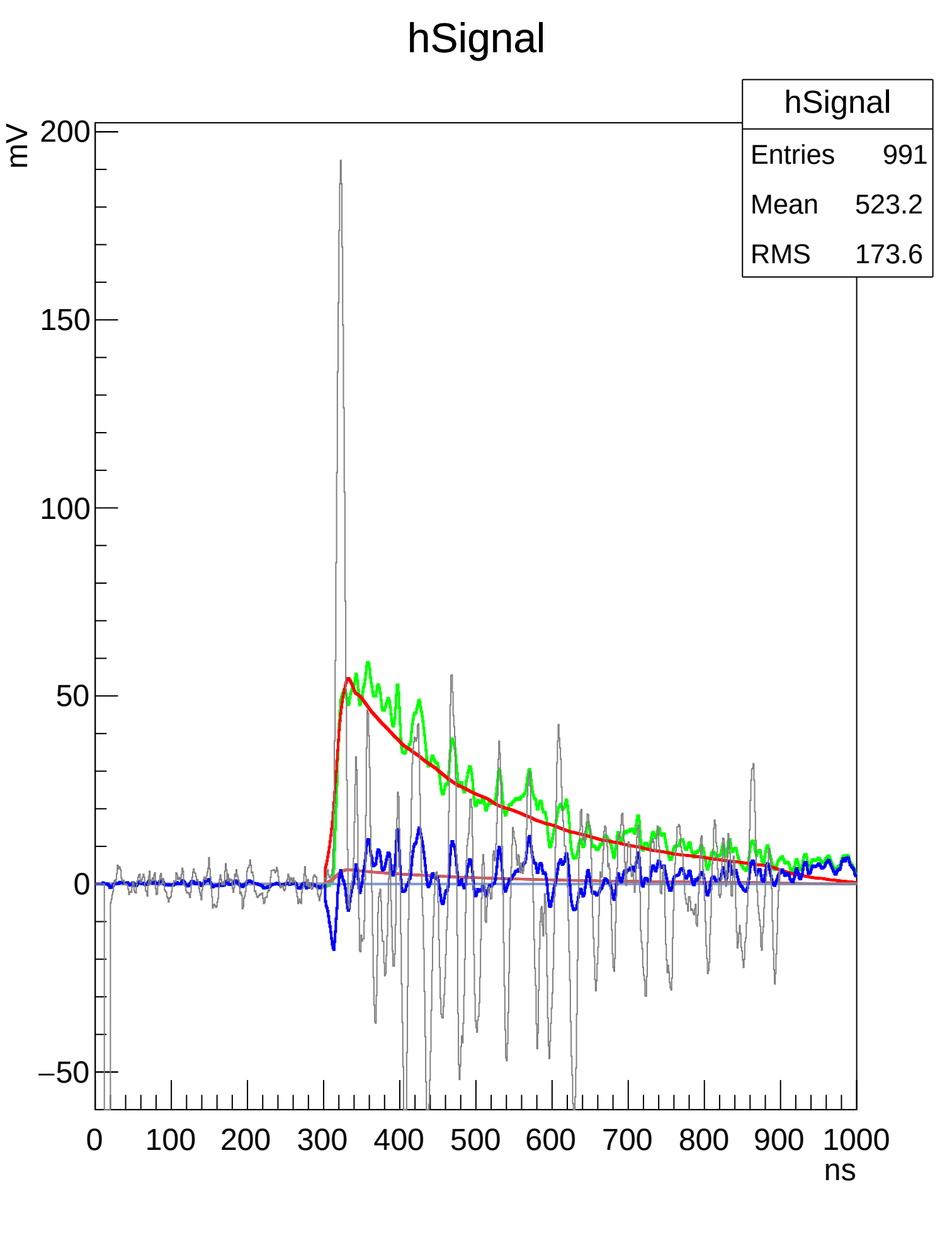

hSignal
hSignal
Entries 991
Mean 489.1
RMS 180.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

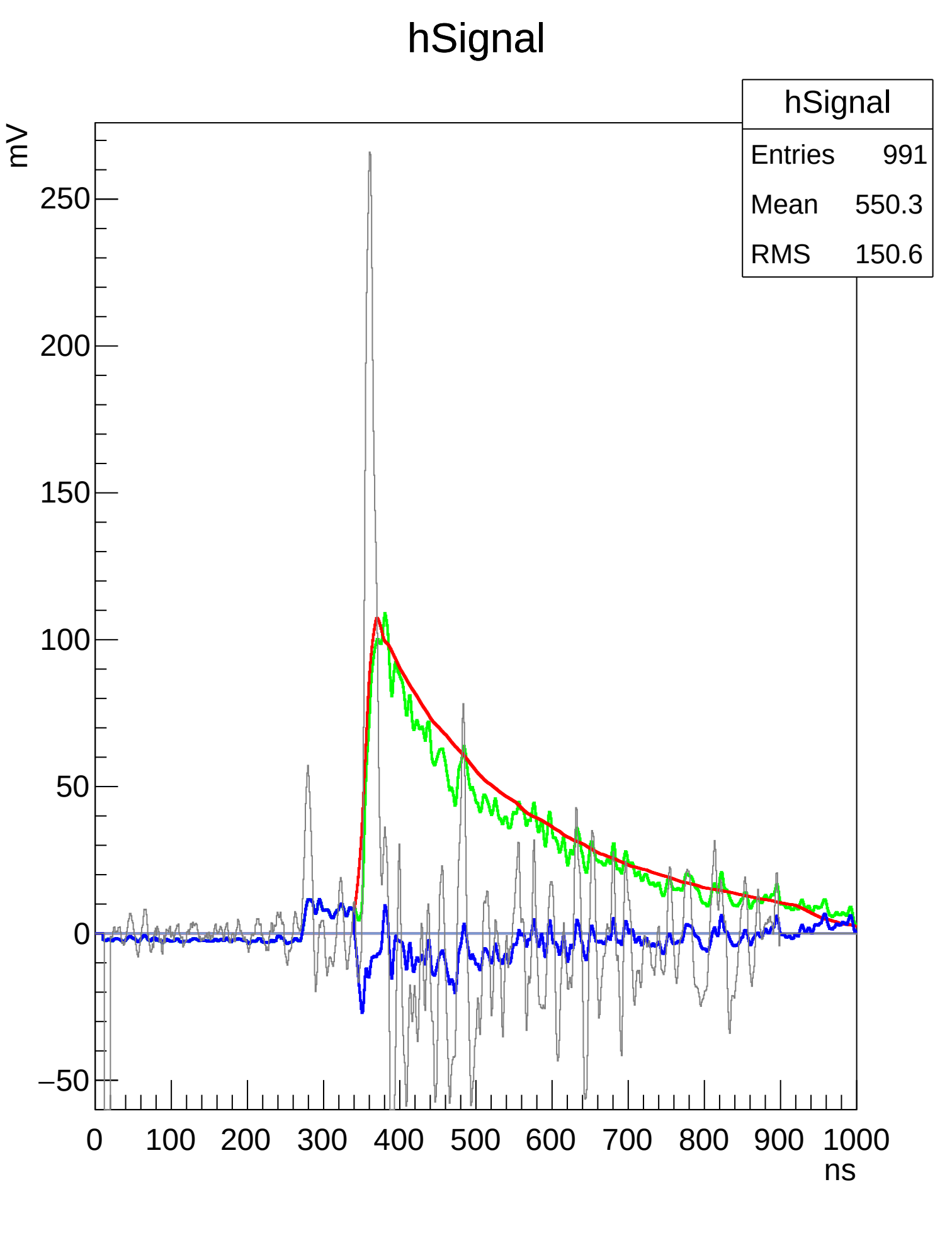

hSignal
hSignal
Entries 991
Mean 508
RMS 176.2
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

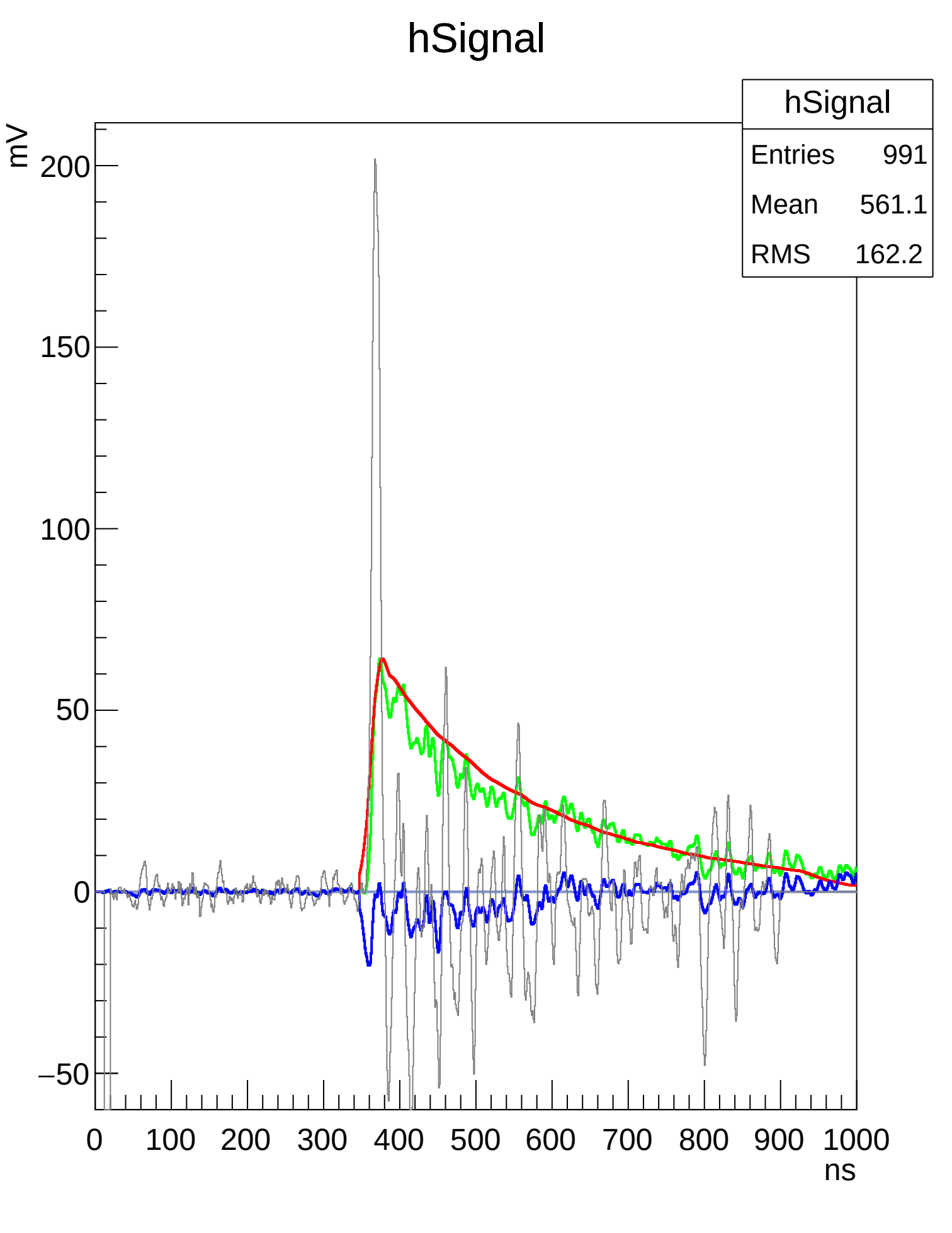

hSignal
hSignal
Entries 991
Mean 517.3
RMS 172.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

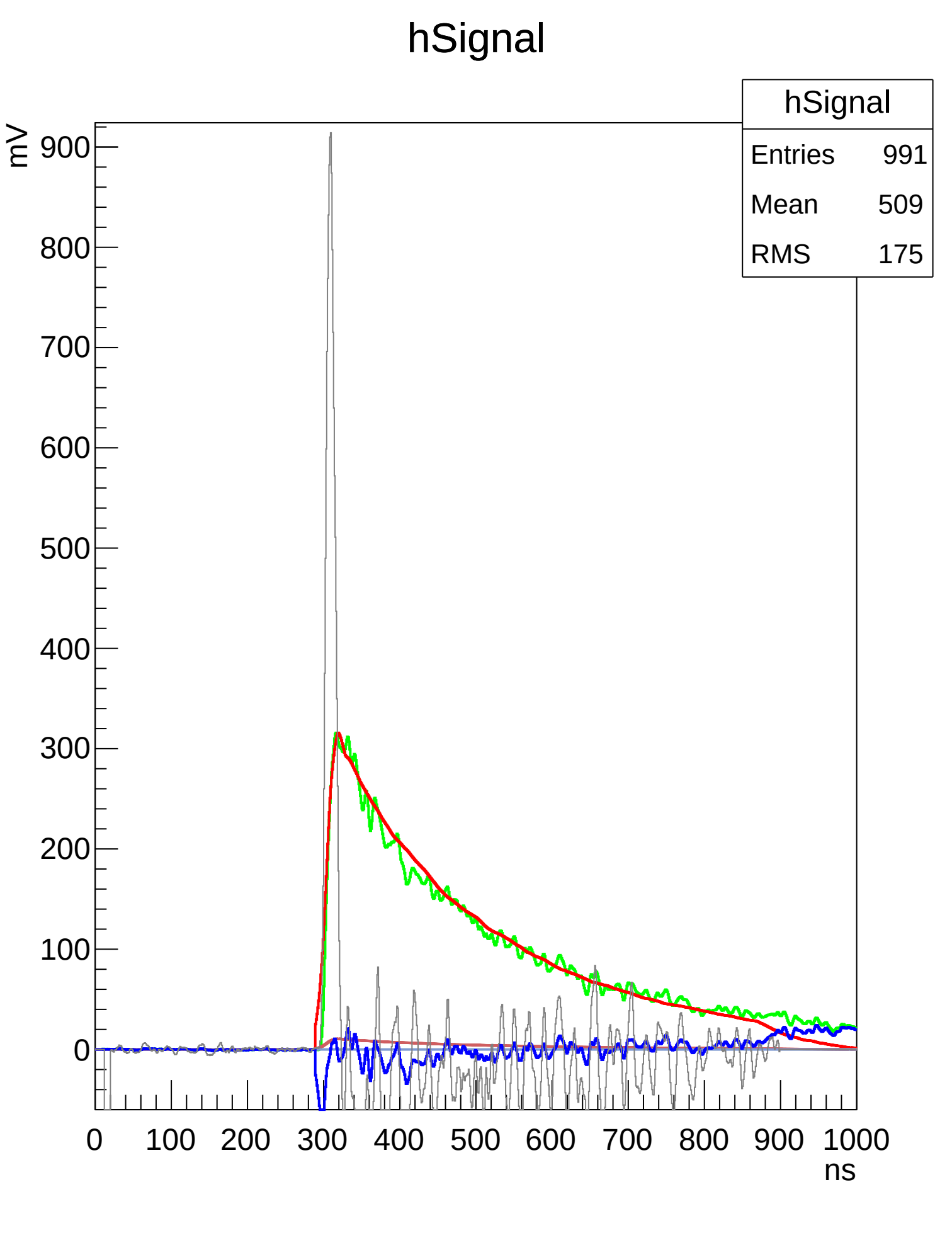

hSignal
hSignal
Entries 991
Mean 500.7
RMS 175.8
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

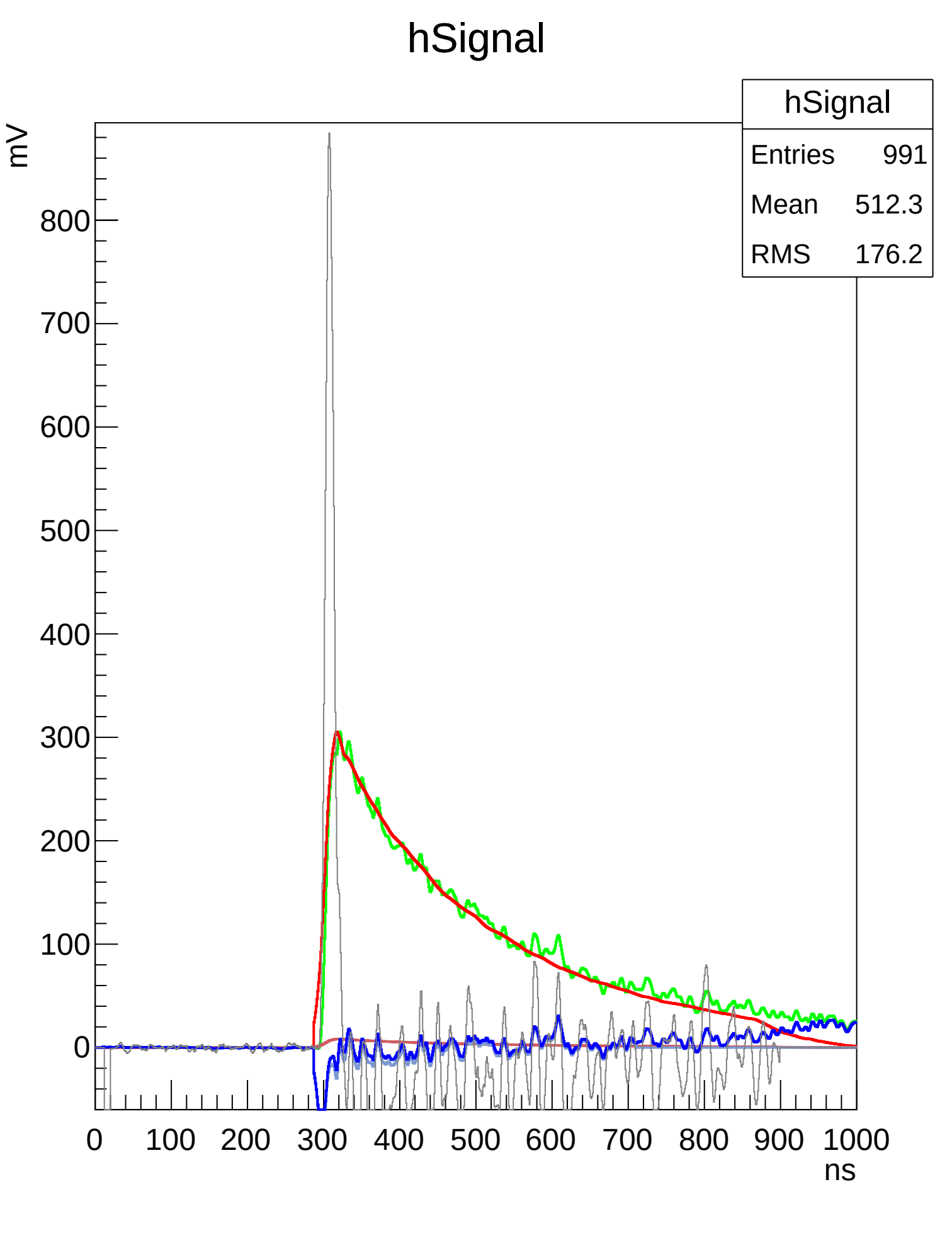

hSignal
hSignal
Entries 991
Mean 571.3
RMS 167.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

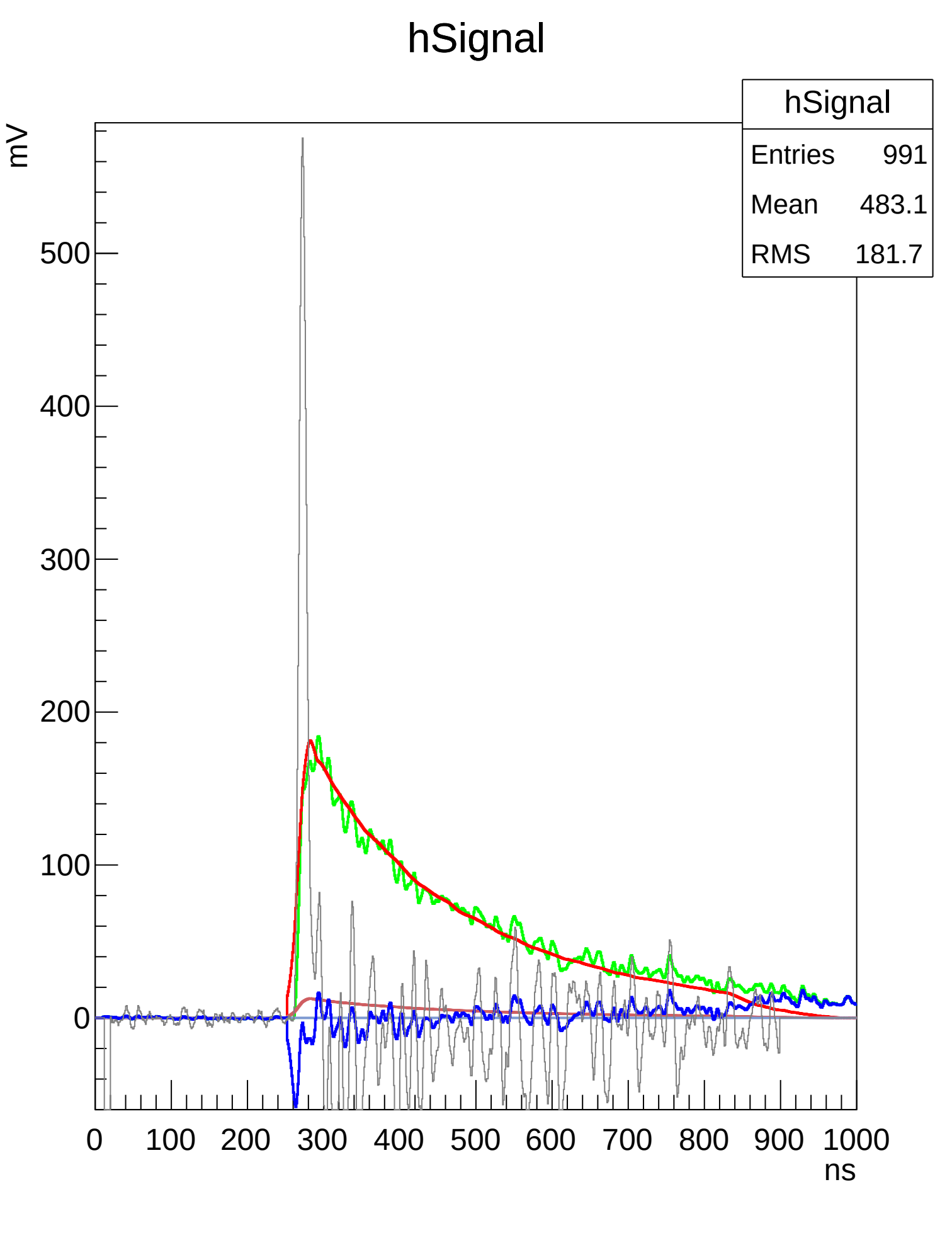

hSignal
hSignal
Entries 991
Mean 523.2
RMS 173.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

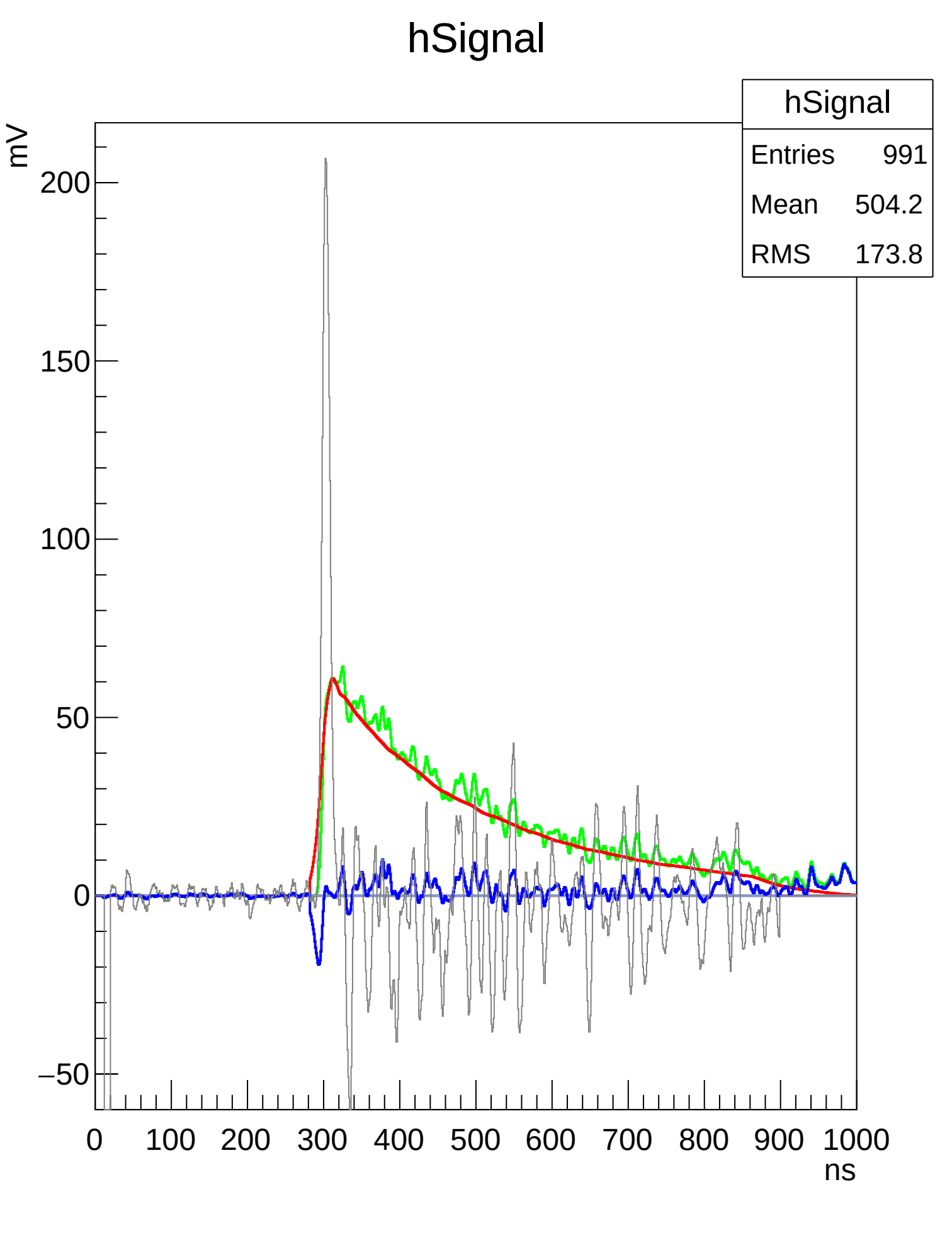

hSignal
hSignal
Entries 991
Mean 550.3
RMS 150.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

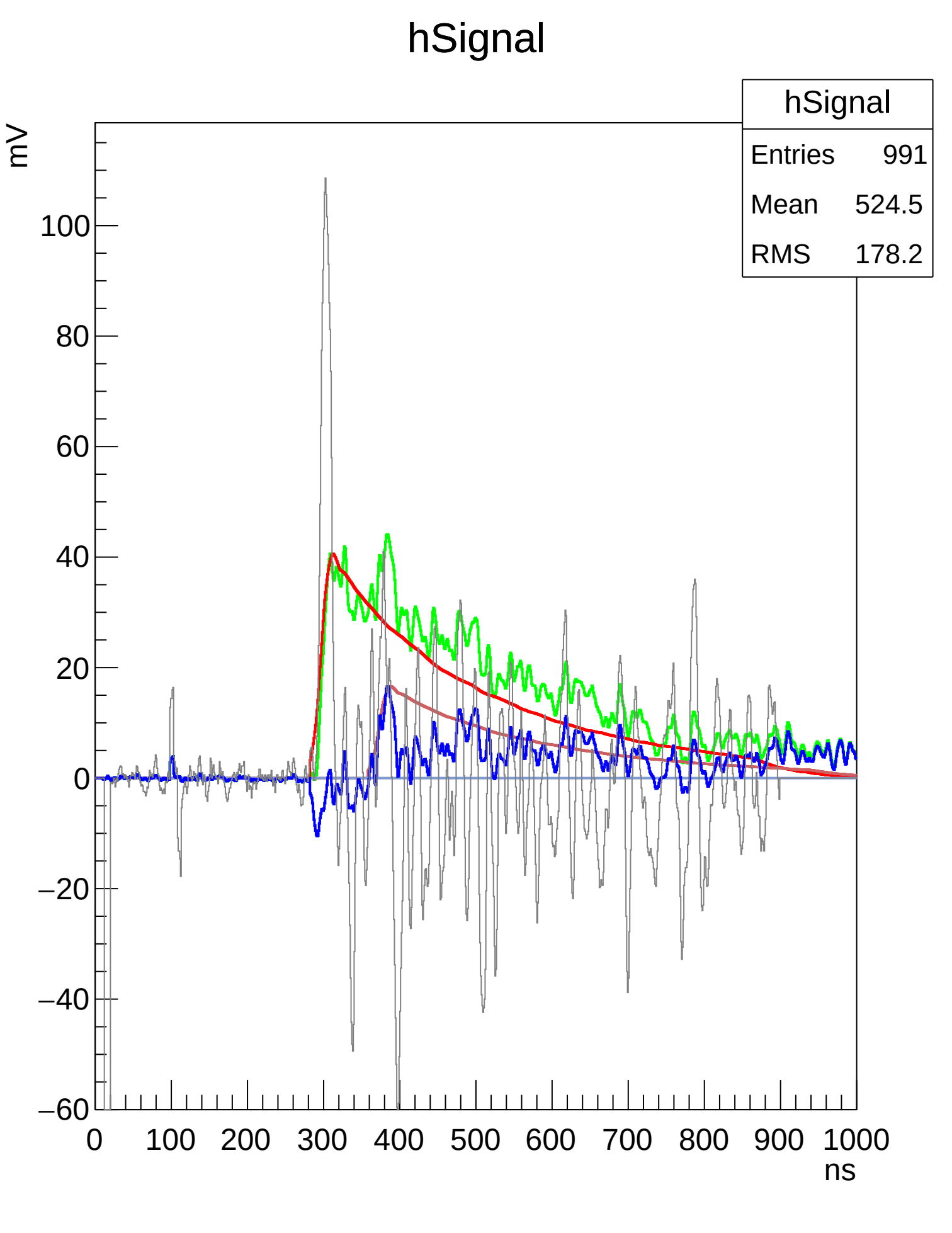

hSignal
hSignal
Entries 991
Mean 561.1
RMS 162.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

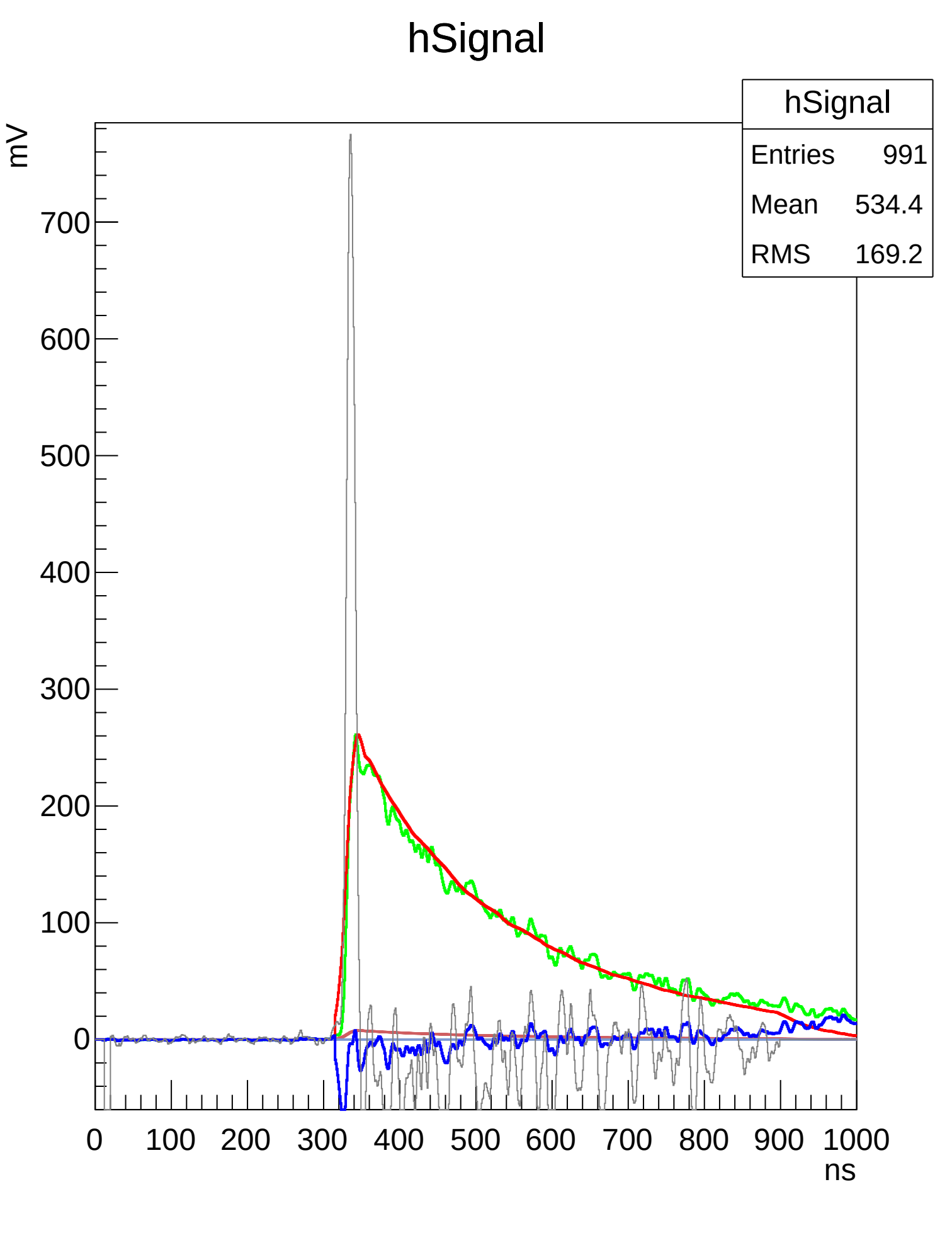

hSignal
hSignal
Entries 991
Mean 509
RMS 175
mV
900
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

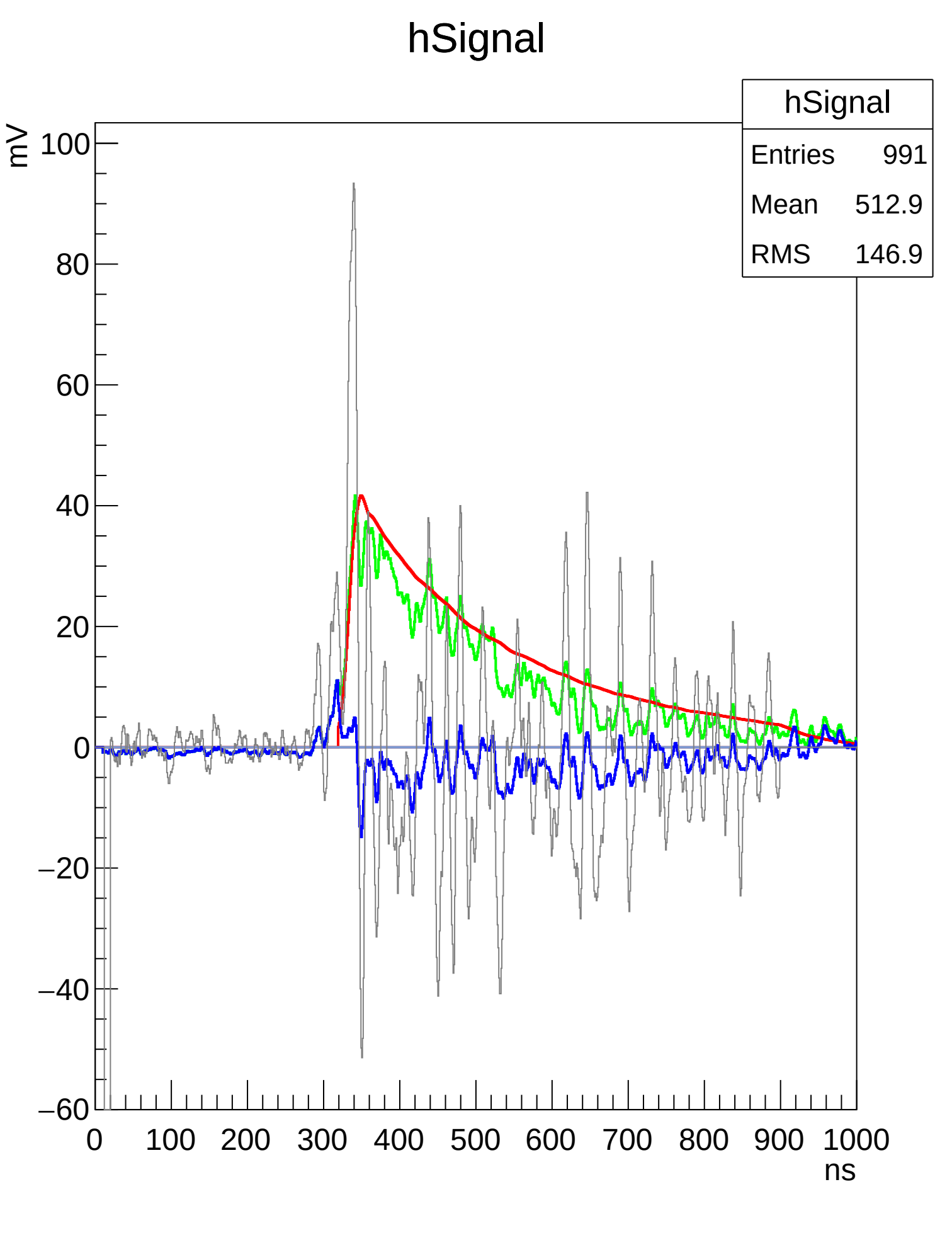

hSignal
hSignal
Entries 991
Mean 512.3
RMS 176.2
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

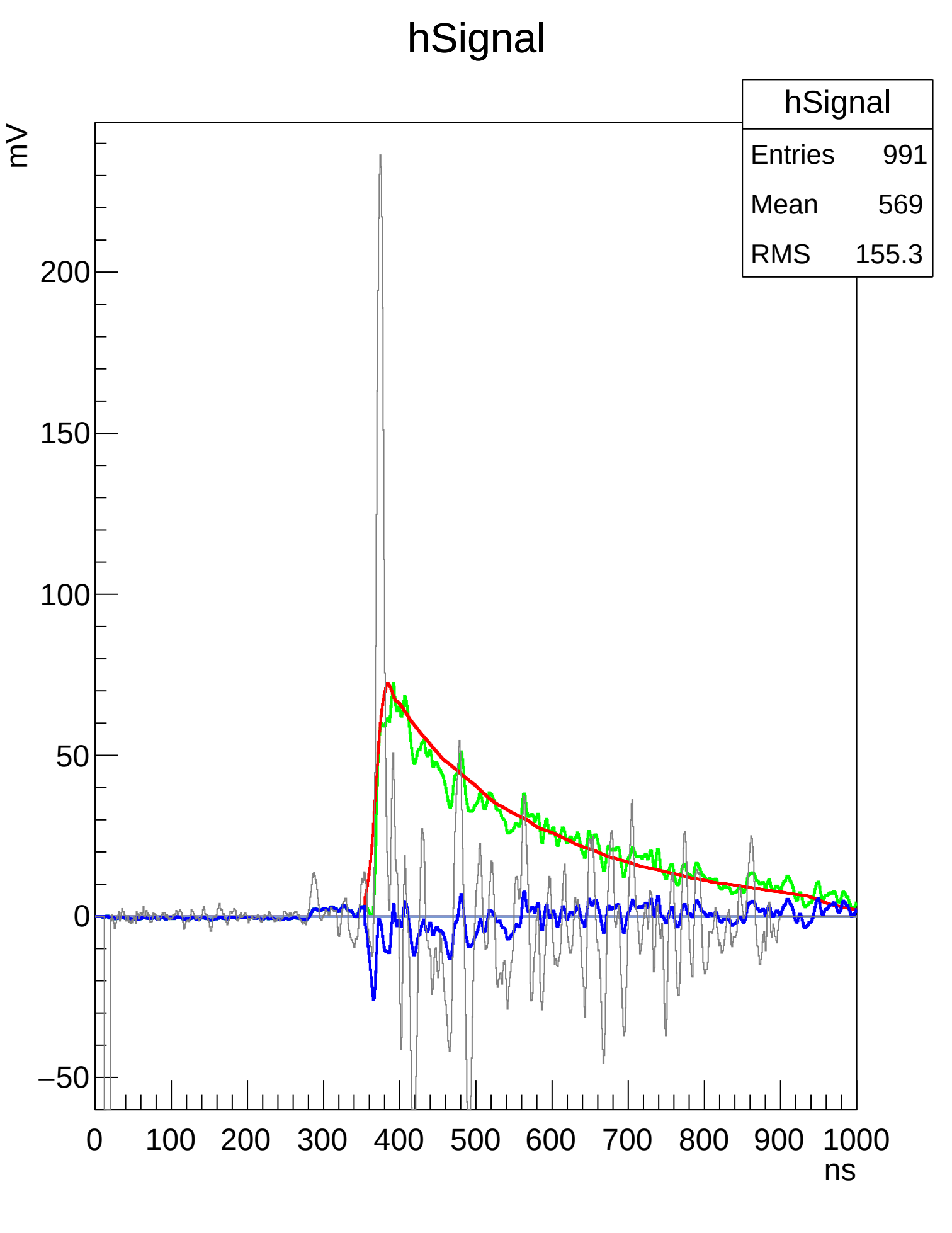

hSignal
hSignal
Entries 991
Mean 483.1
RMS 181.7
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

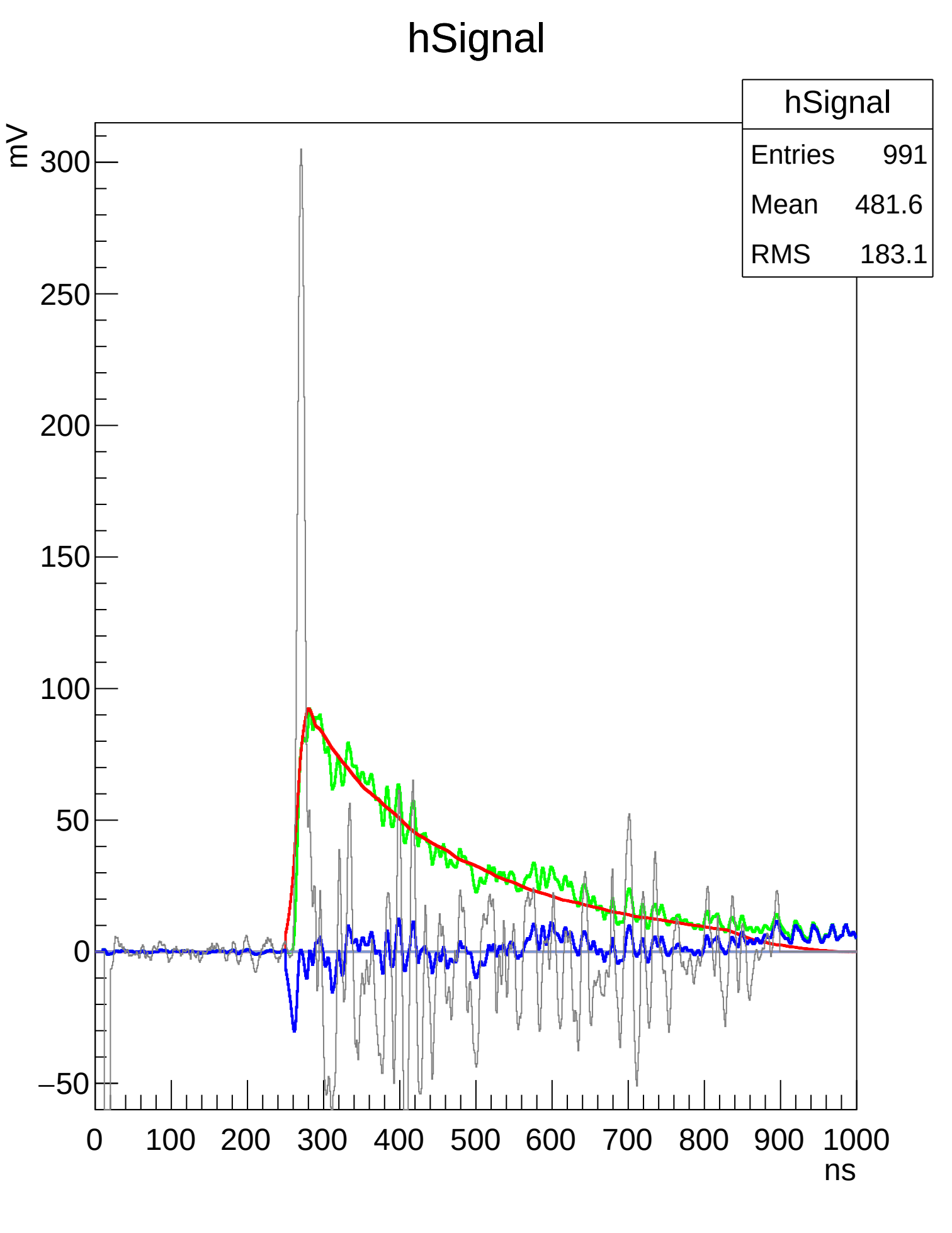

hSignal
hSignal
Entries 991
Mean 504.2
RMS 173.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

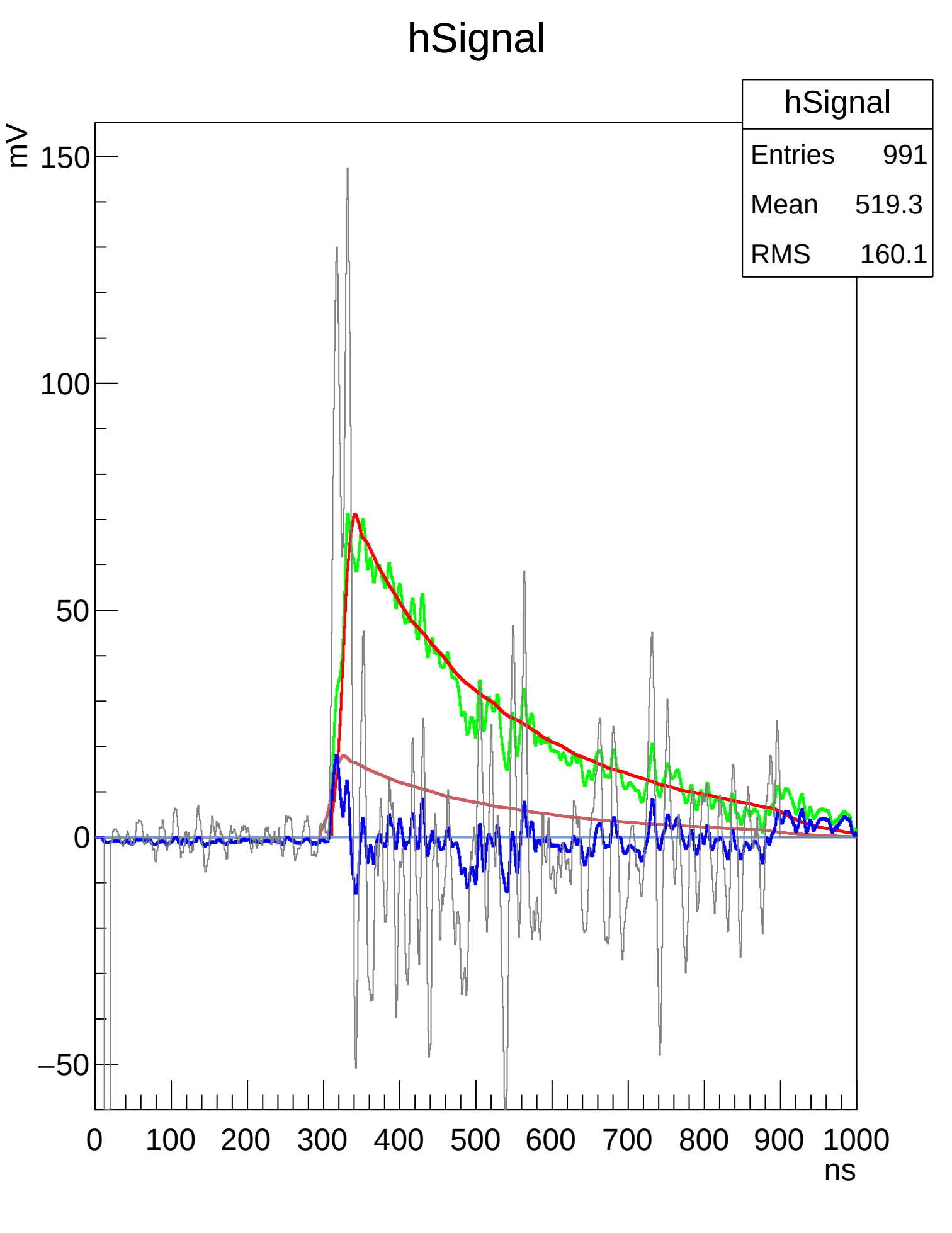

hSignal
hSignal
Entries 991
Mean 524.5
RMS 178.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

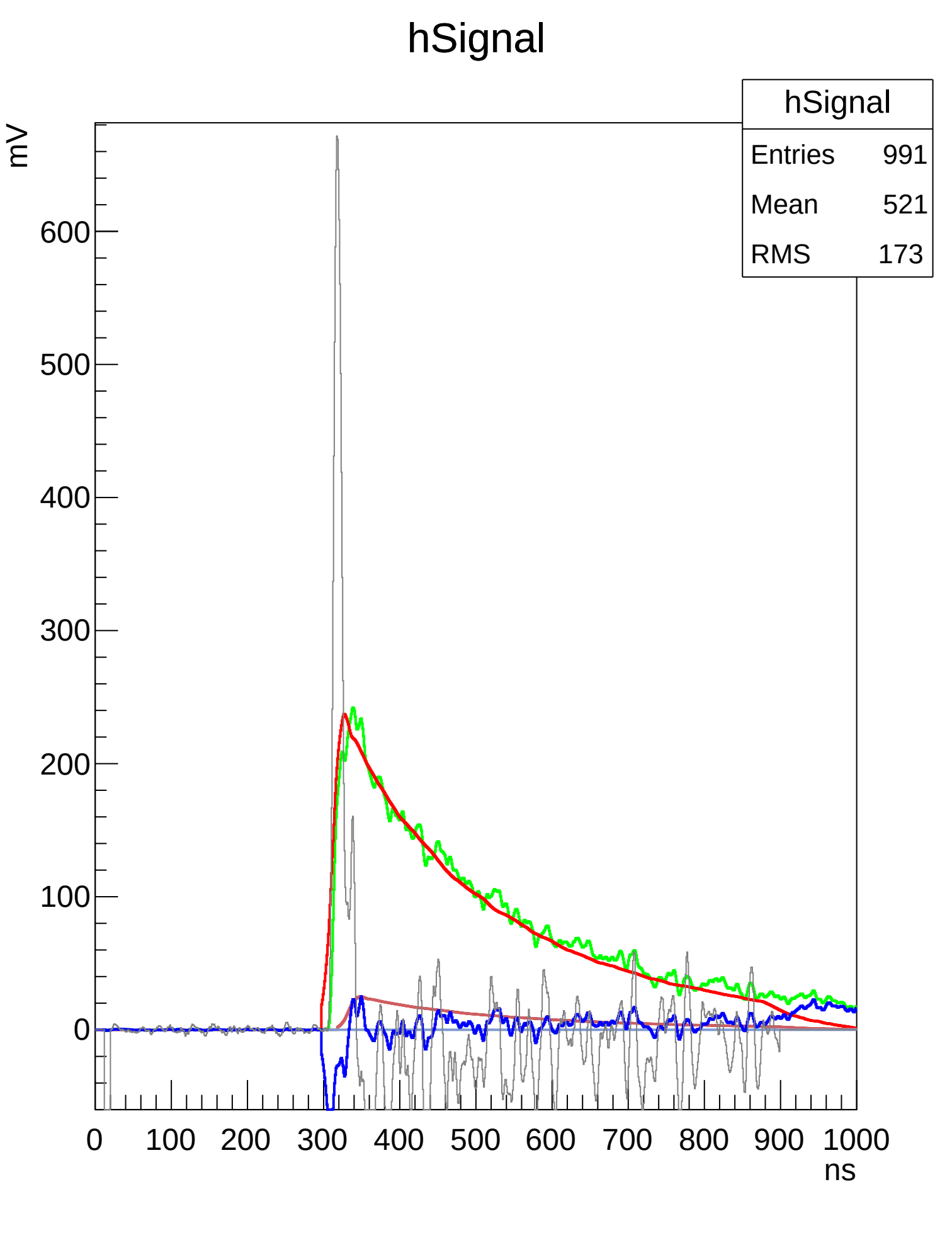

hSignal
hSignal
Entries 991
Mean 534.4
RMS 169.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

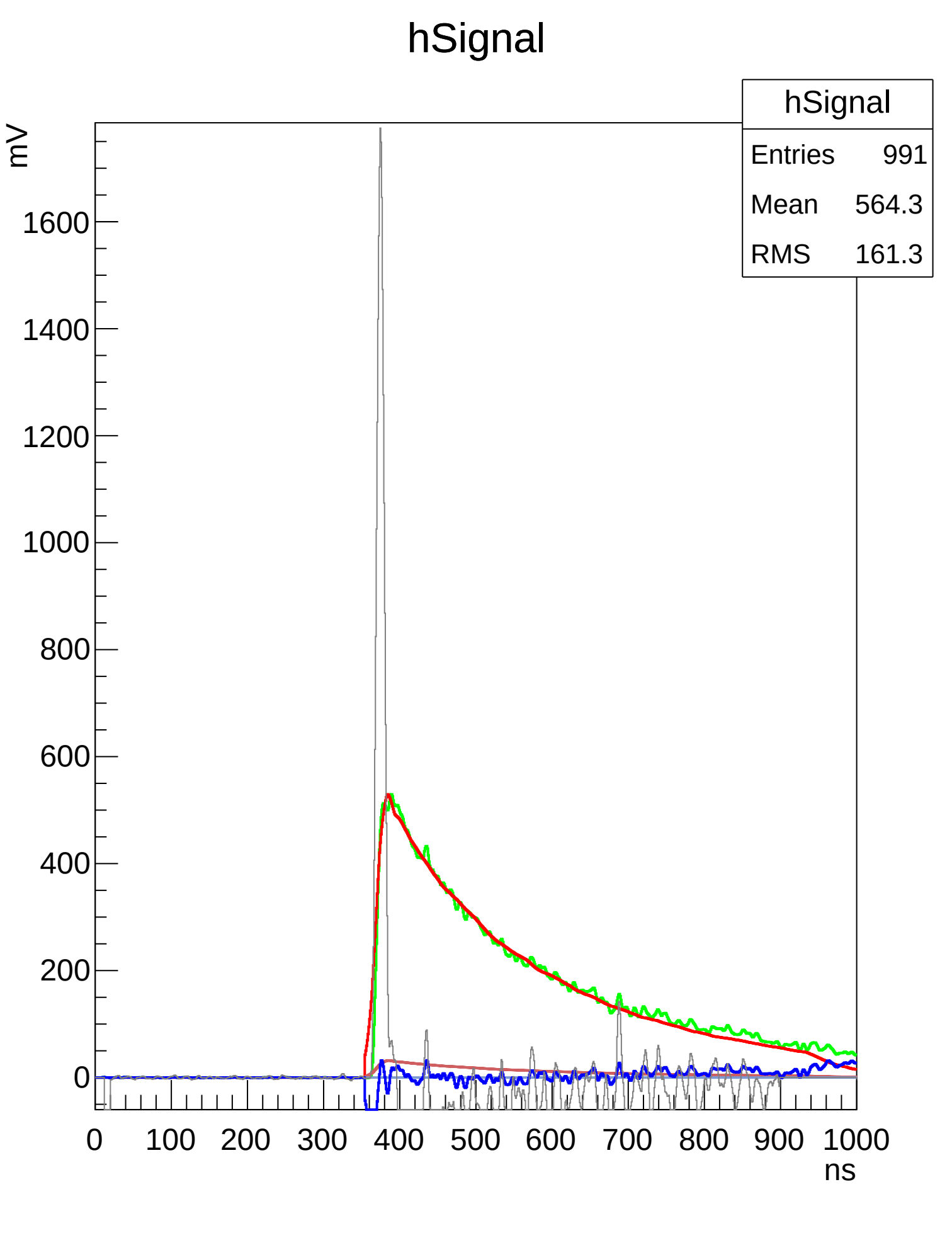

hSignal
hSignal
Entries 991
Mean 512.9
RMS 146.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

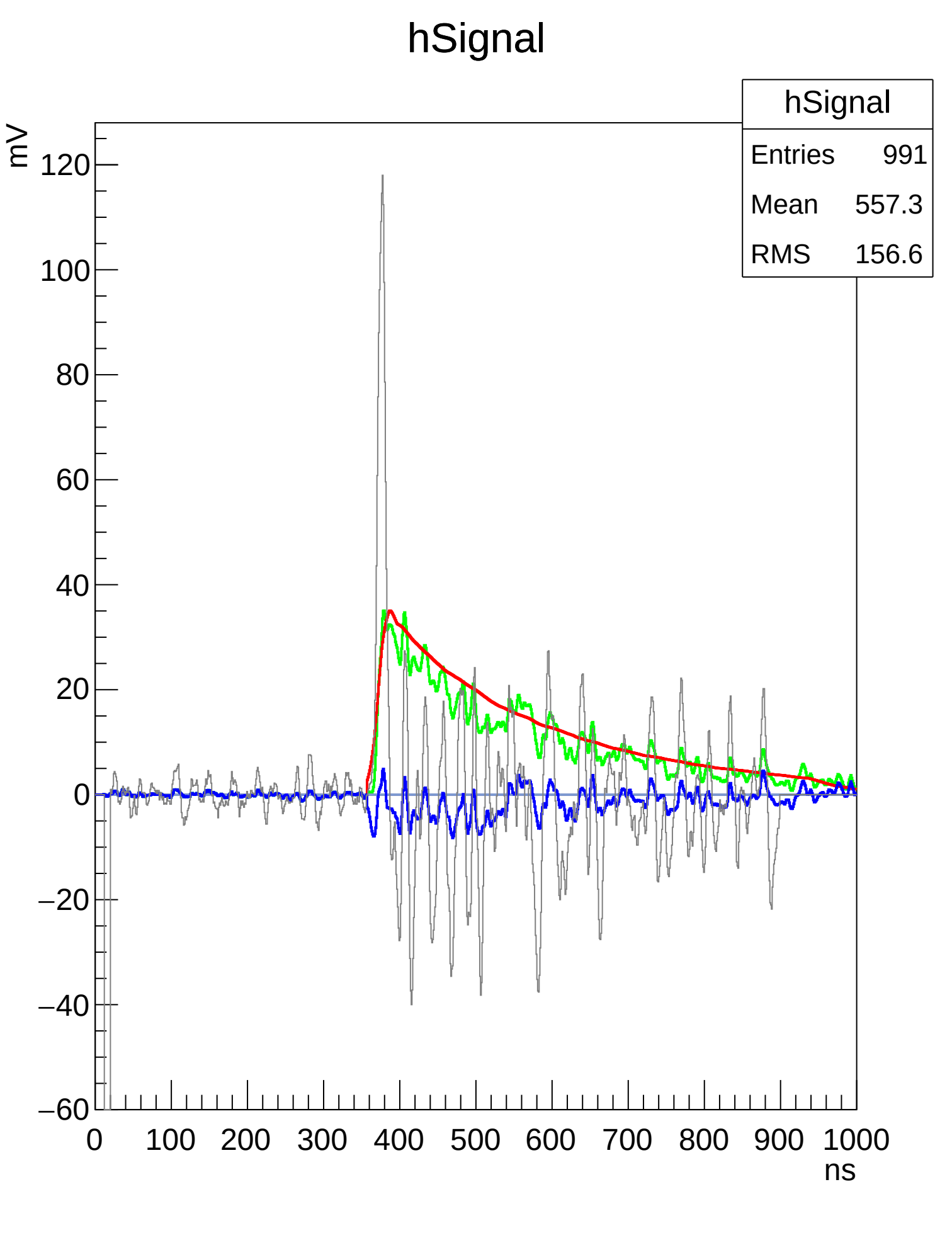

hSignal
hSignal
Entries 991
Mean 569
RMS 155.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

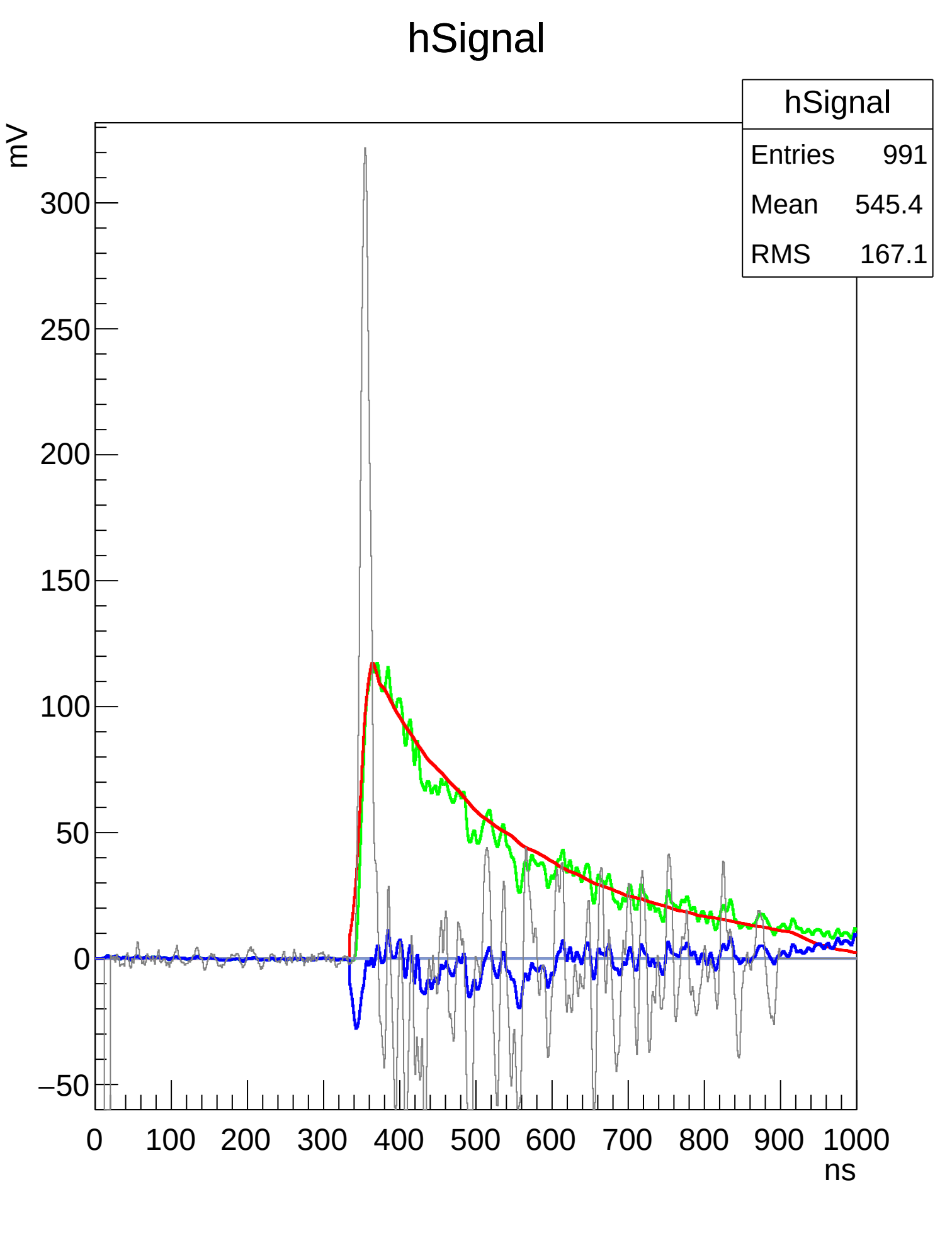

hSignal
hSignal
Entries 991
Mean 481.6
RMS 183.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

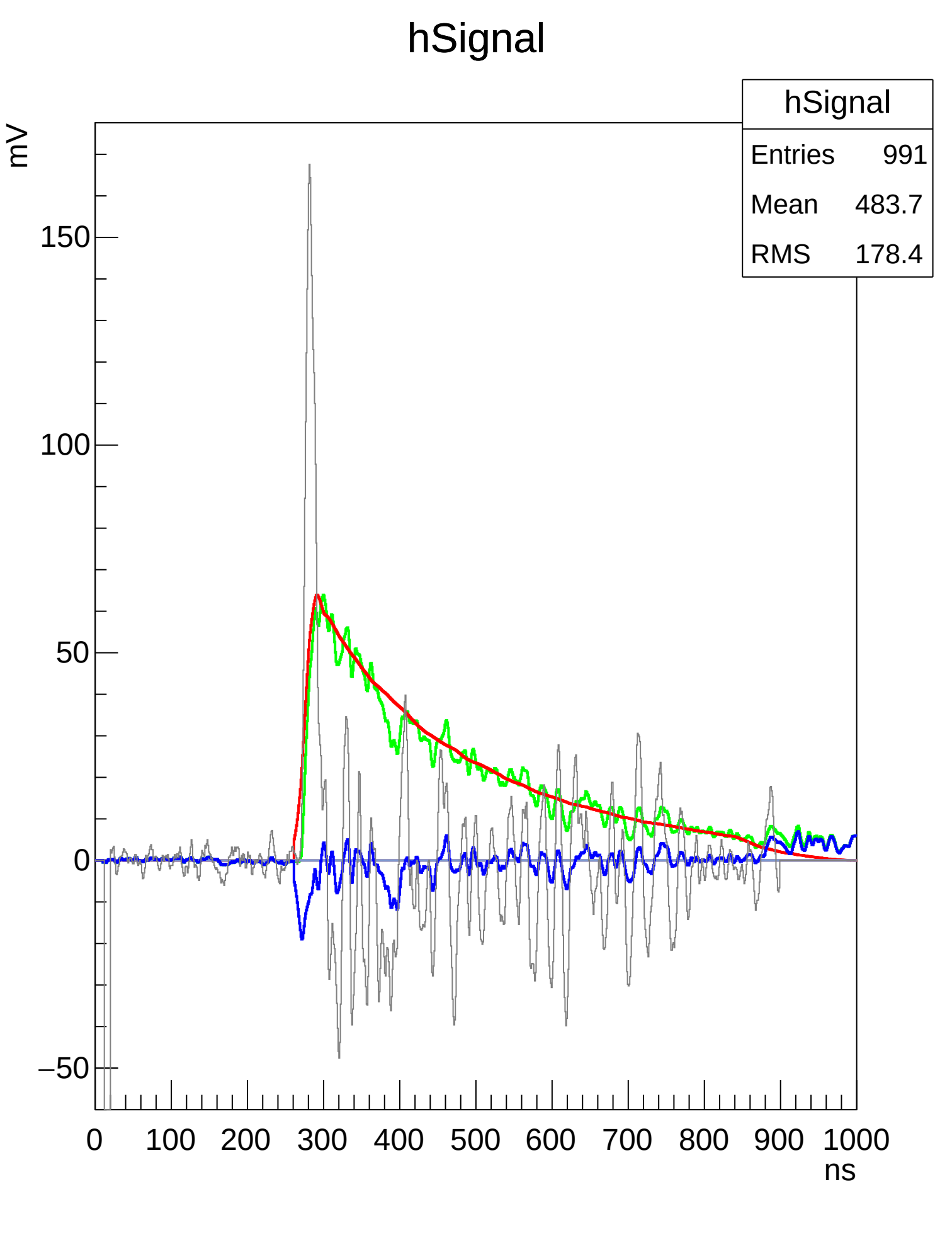

hSignal
hSignal
Entries 991
Mean 519.3
RMS 160.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

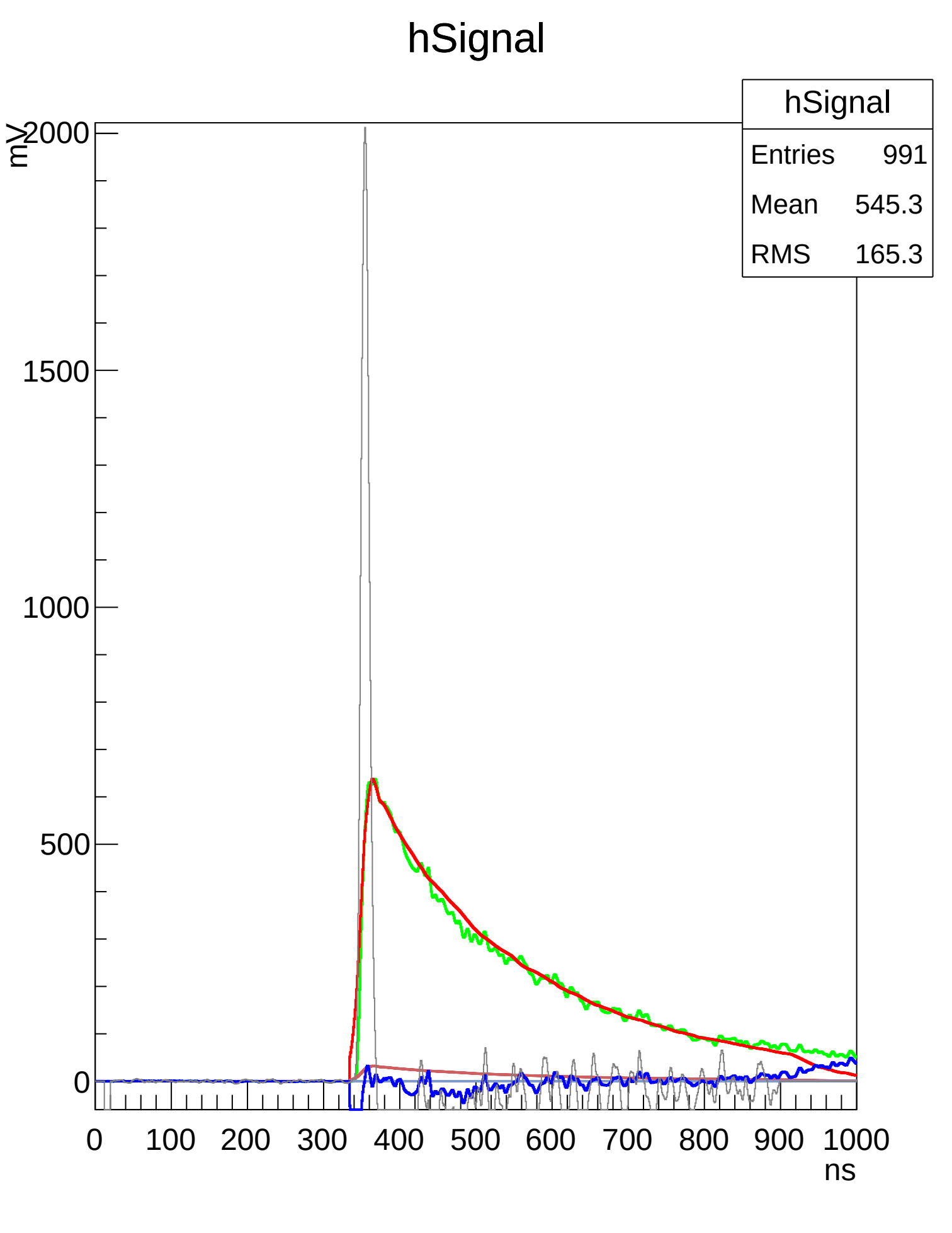

hSignal
hSignal
Entries 991
Mean 521
RMS 173
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

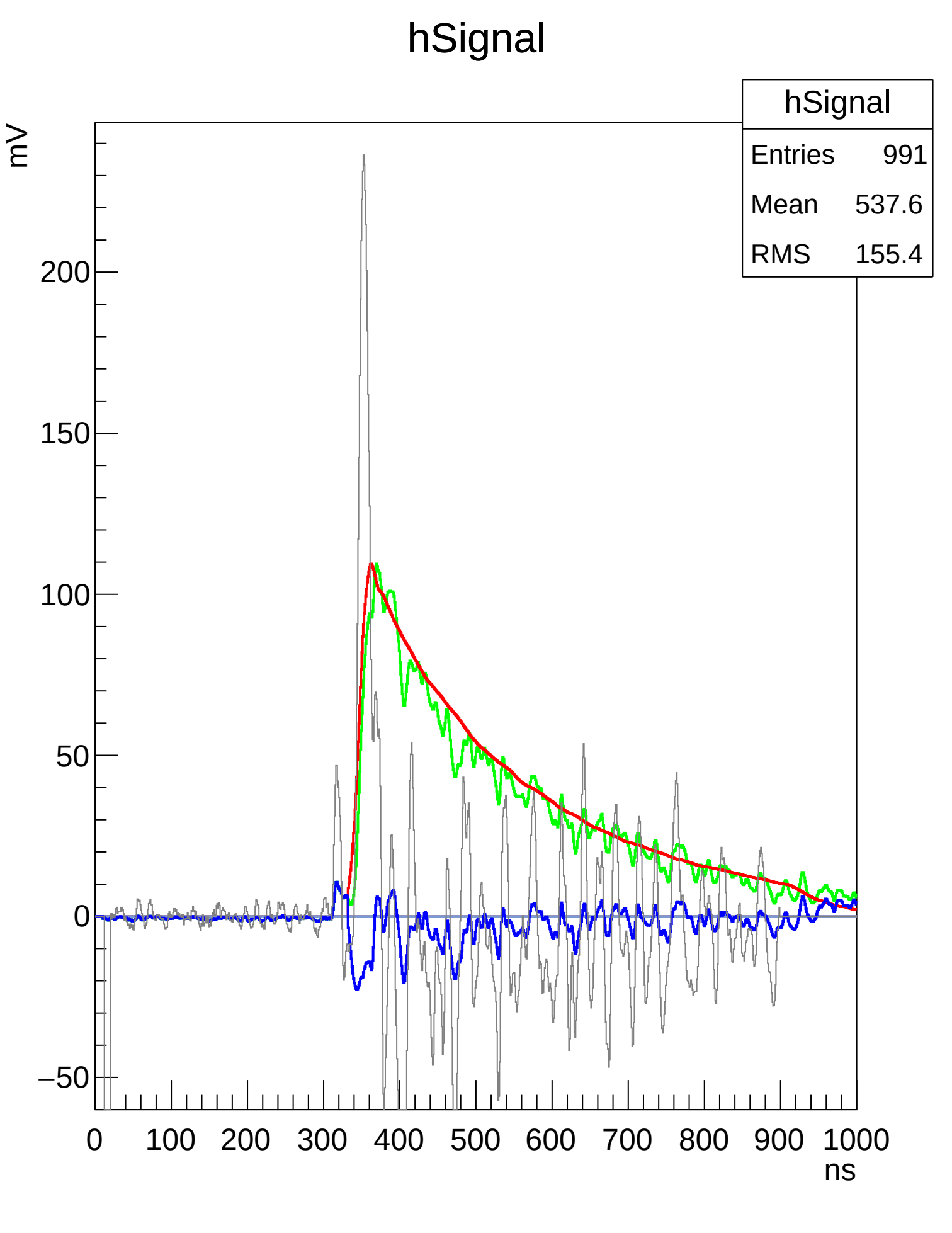

hSignal
hSignal
Entries 991
Mean 564.3
RMS 161.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

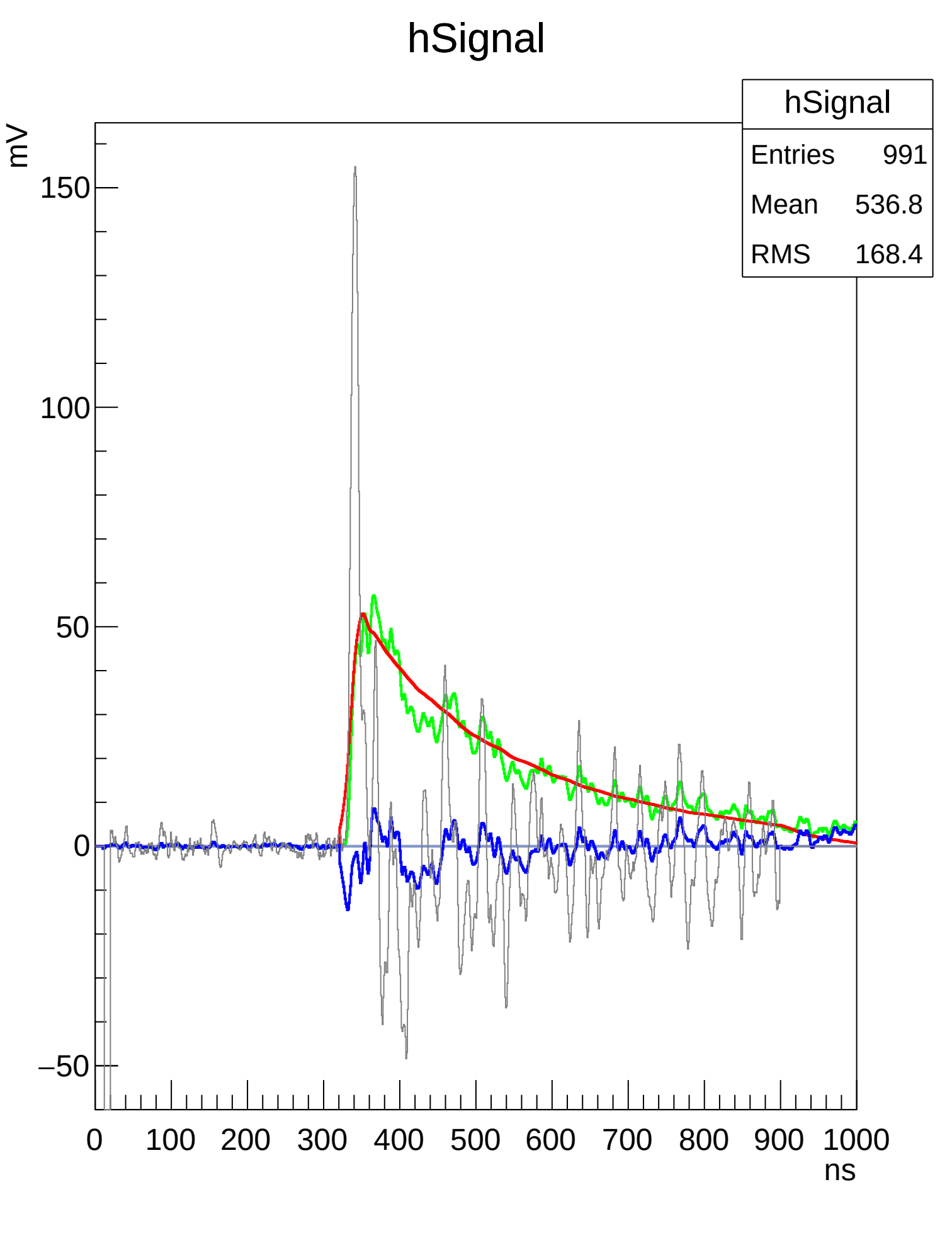

hSignal
hSignal
Entries 991
Mean 557.3
RMS 156.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

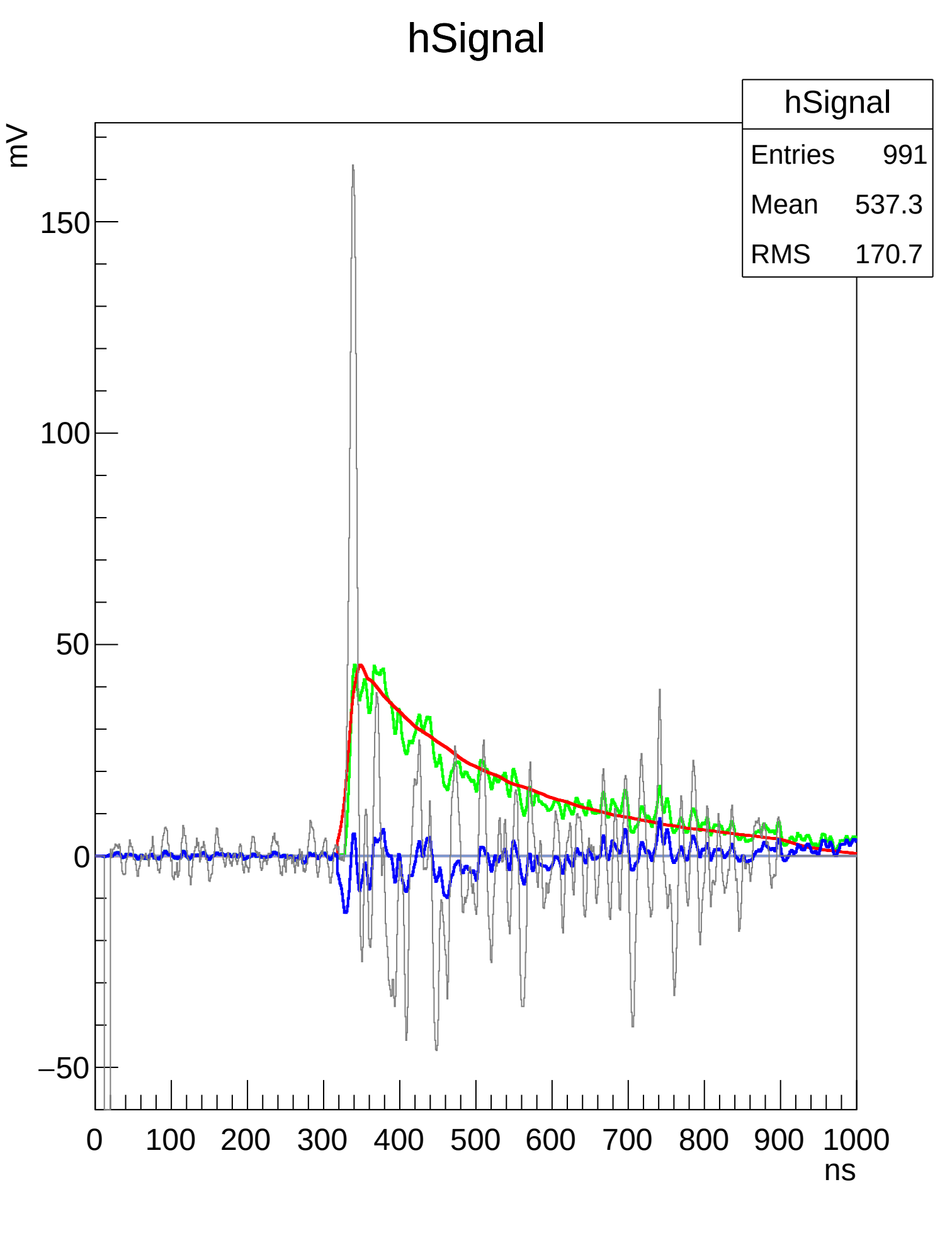

hSignal
hSignal
Entries 991
Mean 545.4
RMS 167.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

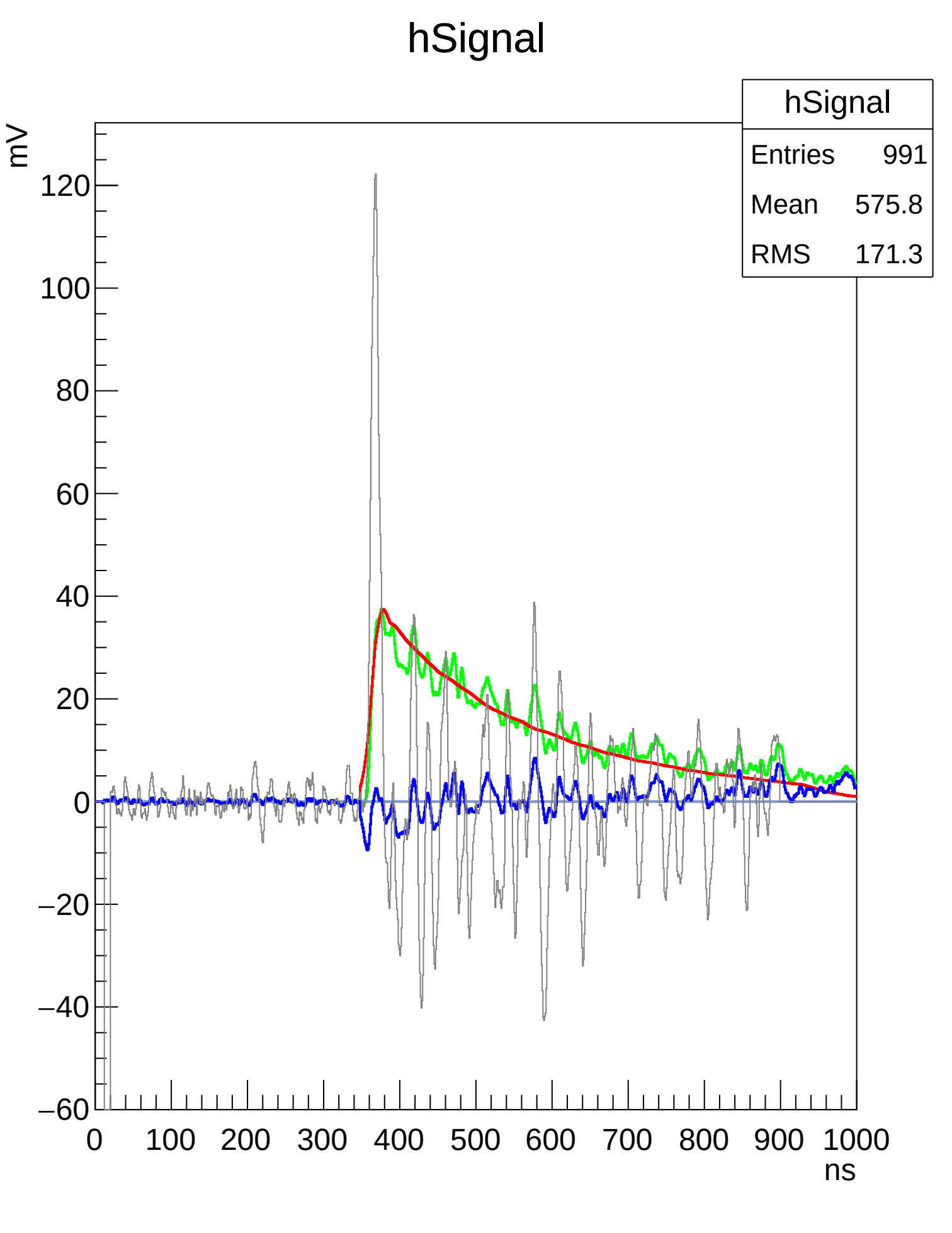

hSignal
hSignal
Entries 991
Mean 483.7
RMS 178.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

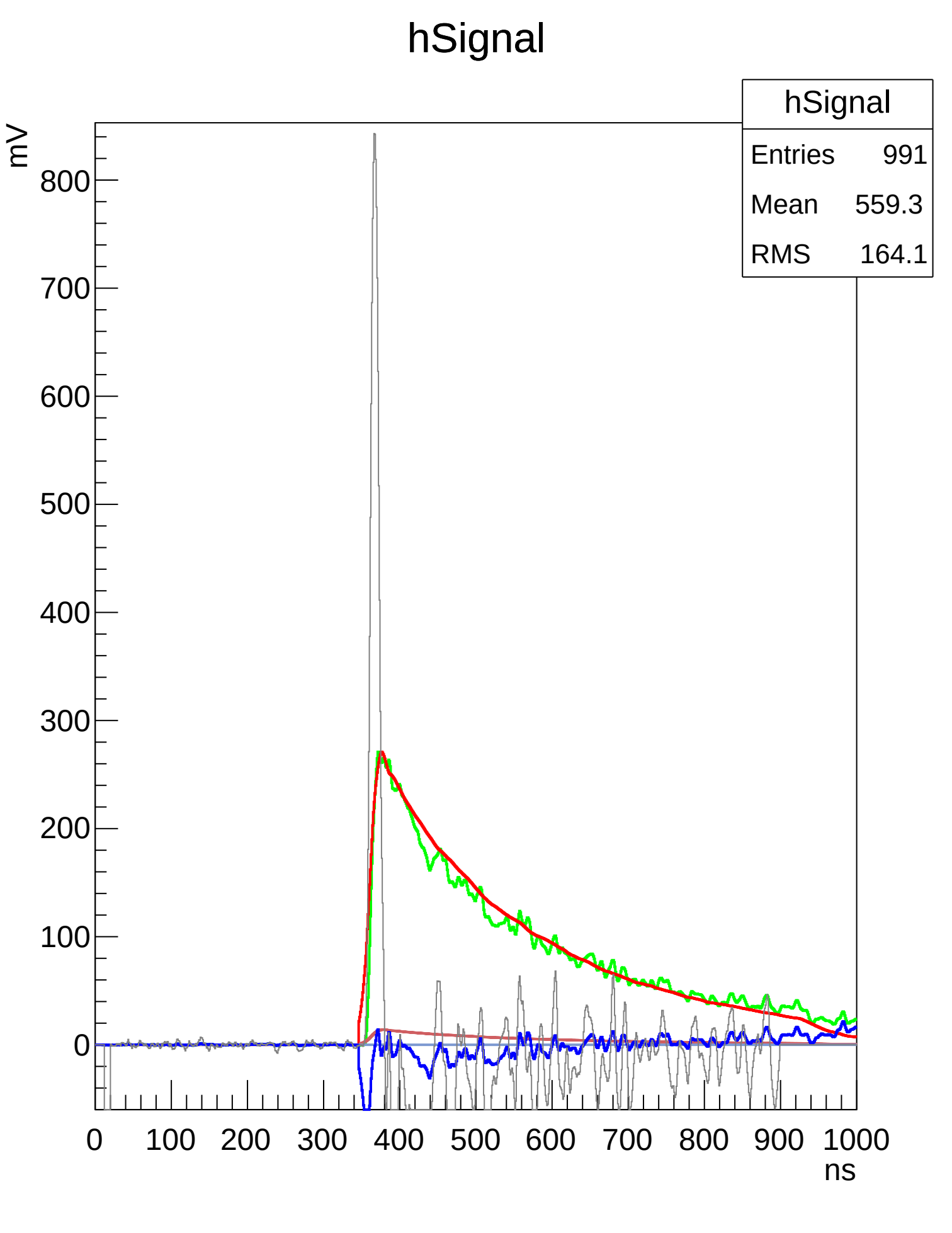

hSignal
hSignal
Entries 991
Mean 545.3
RMS 165.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

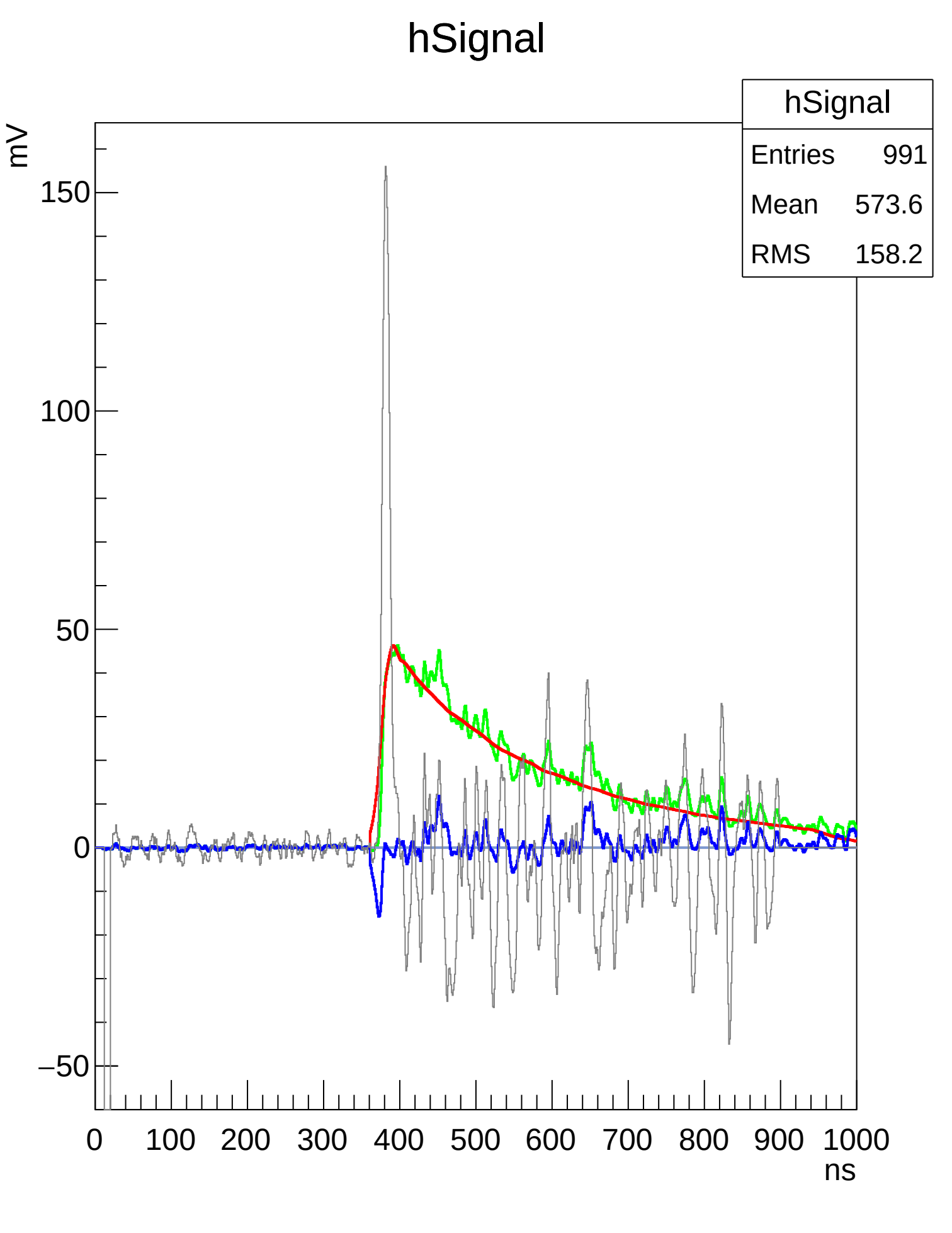

hSignal
hSignal
Entries 991
Mean 537.6
RMS 155.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

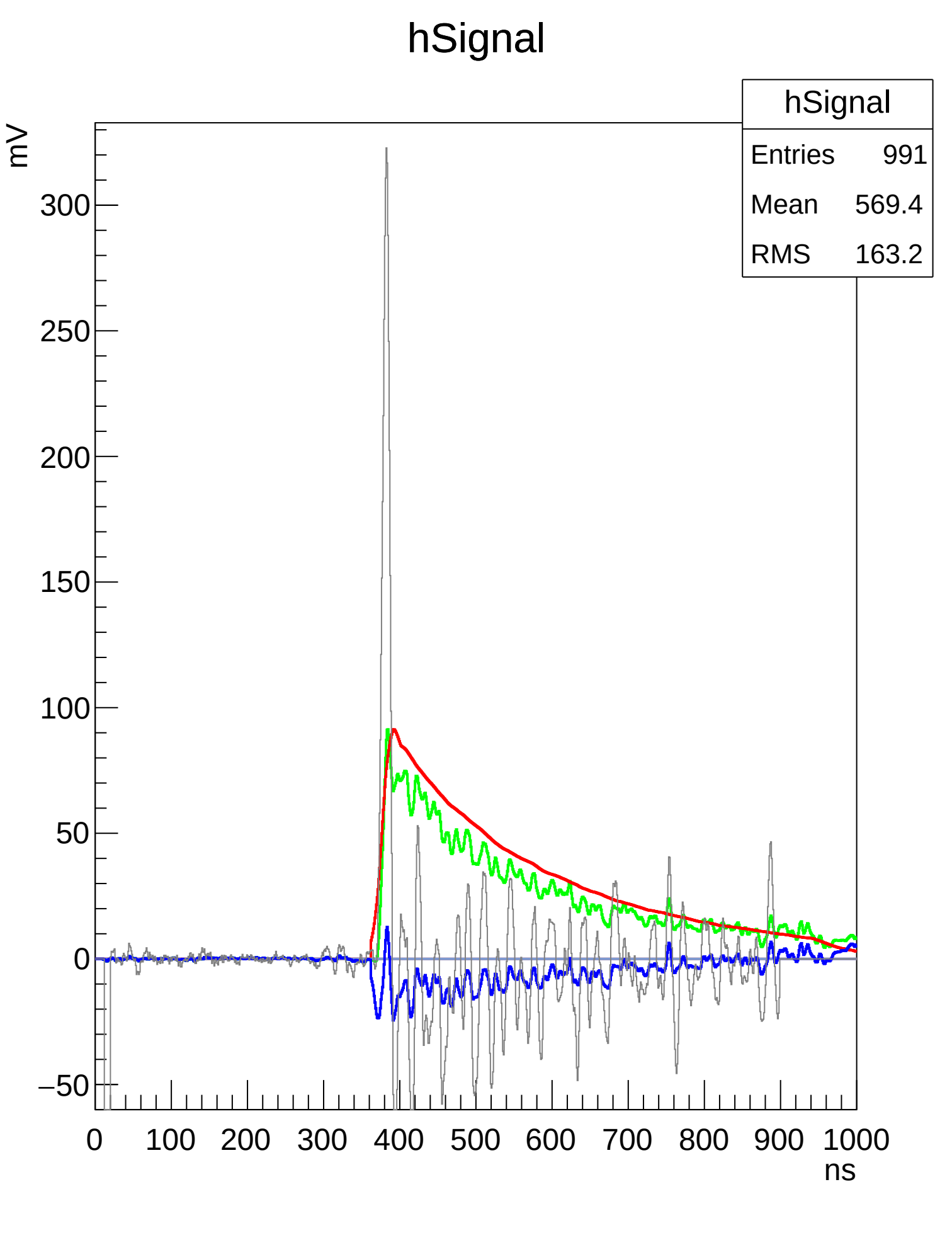

hSignal
hSignal
Entries 991
Mean 536.8
RMS 168.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

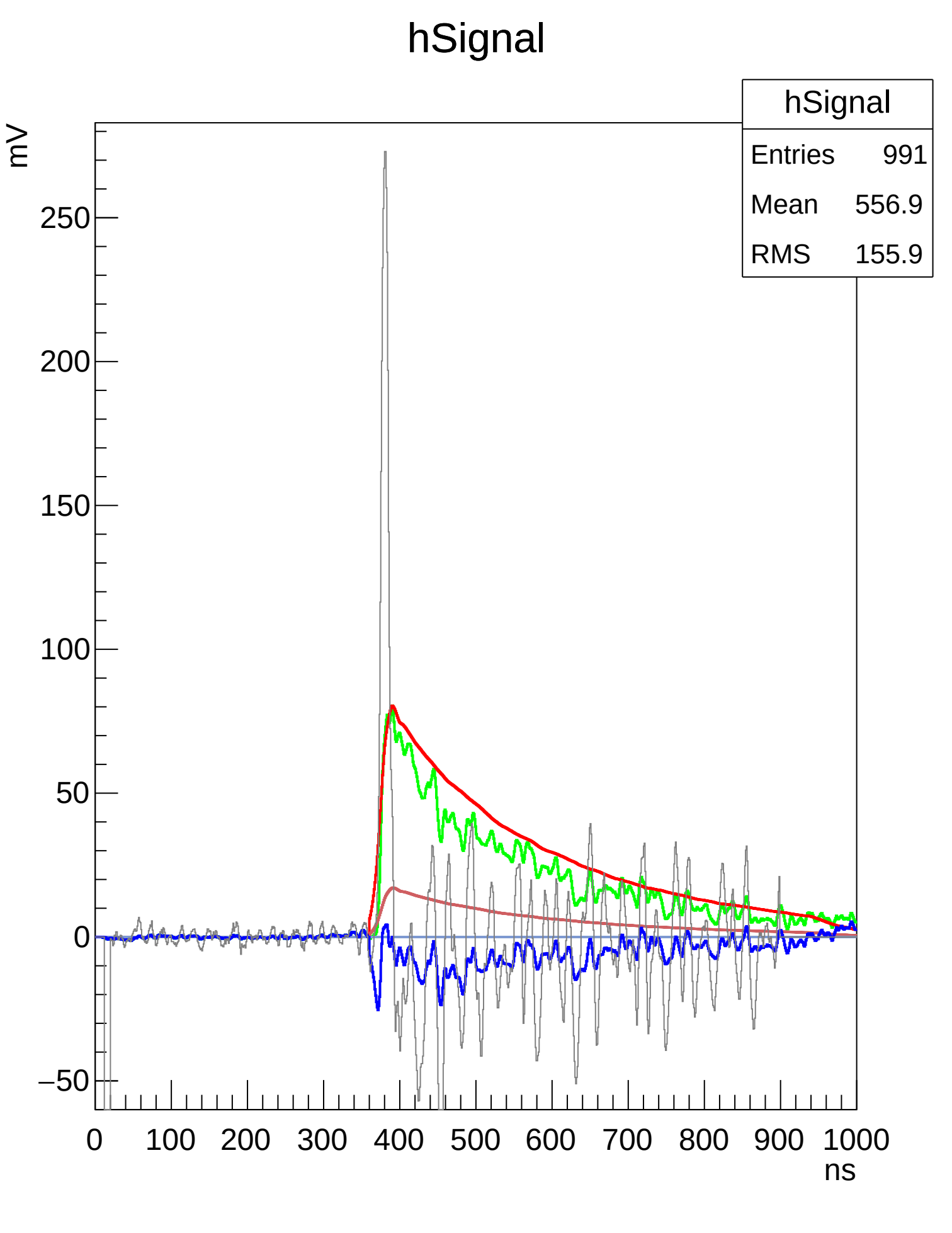

hSignal
hSignal
Entries 991
Mean 537.3
RMS 170.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

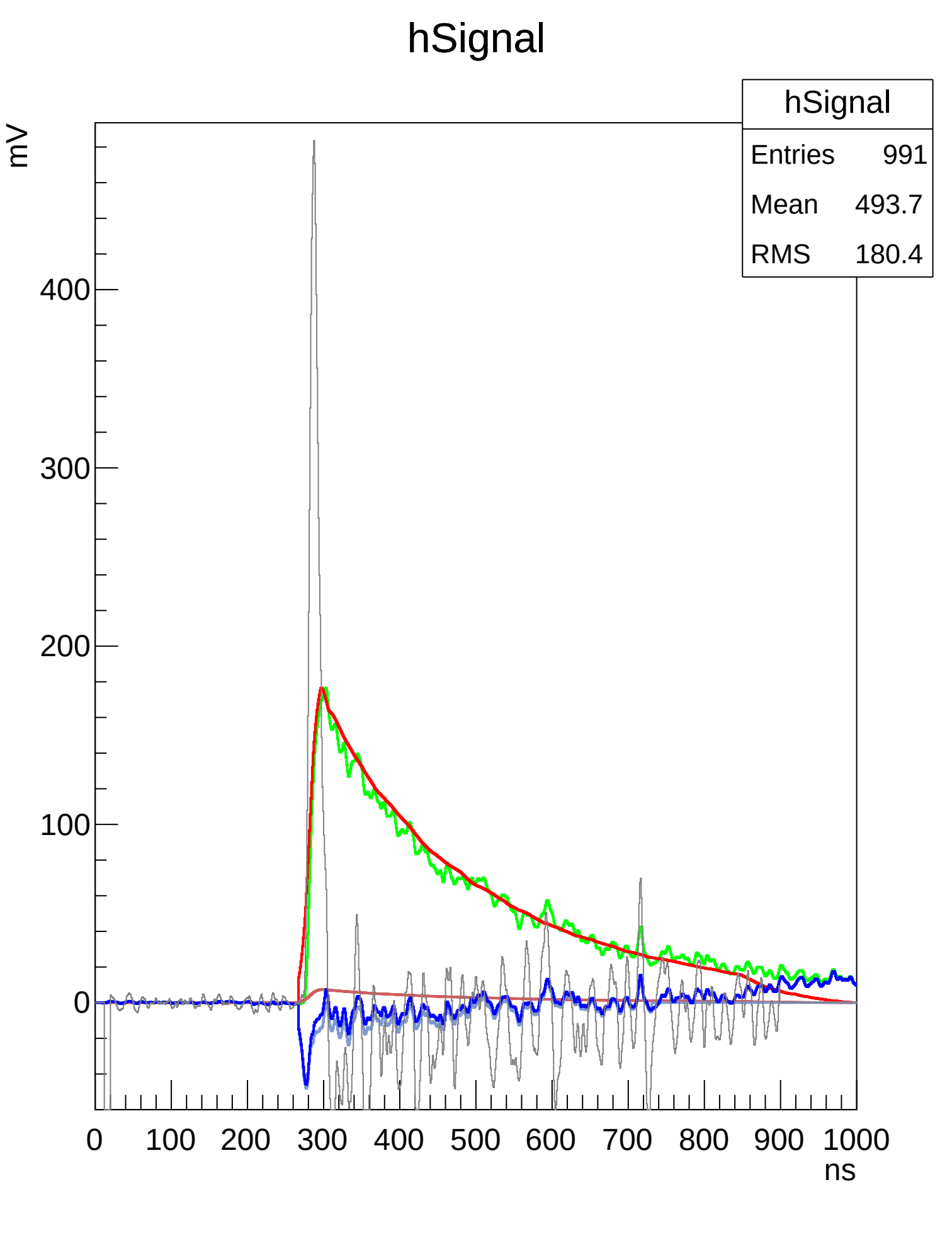

hSignal
hSignal
Entries 991
Mean 575.8
RMS 171.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

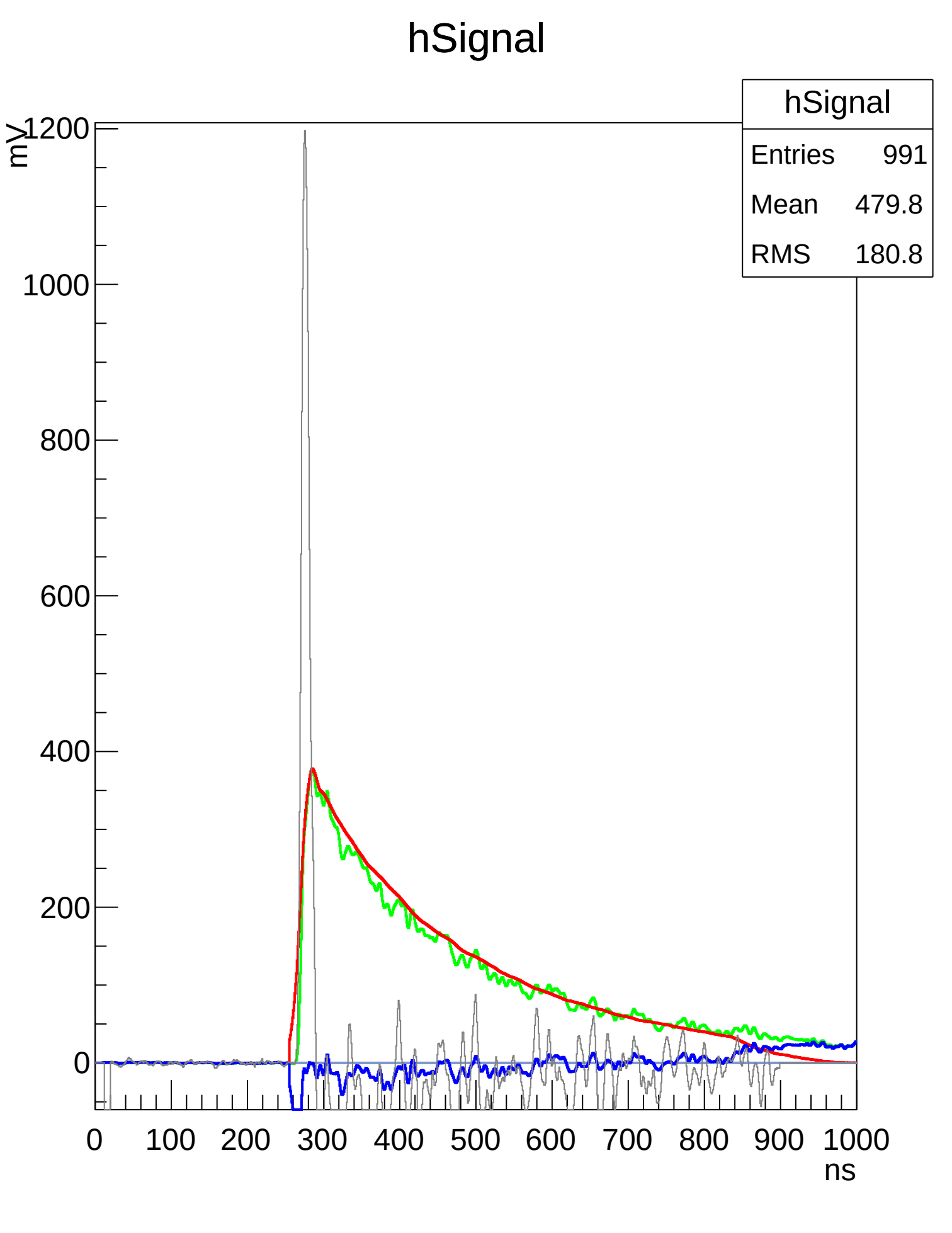

hSignal
hSignal
Entries 991
Mean 559.3
RMS 164.1
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

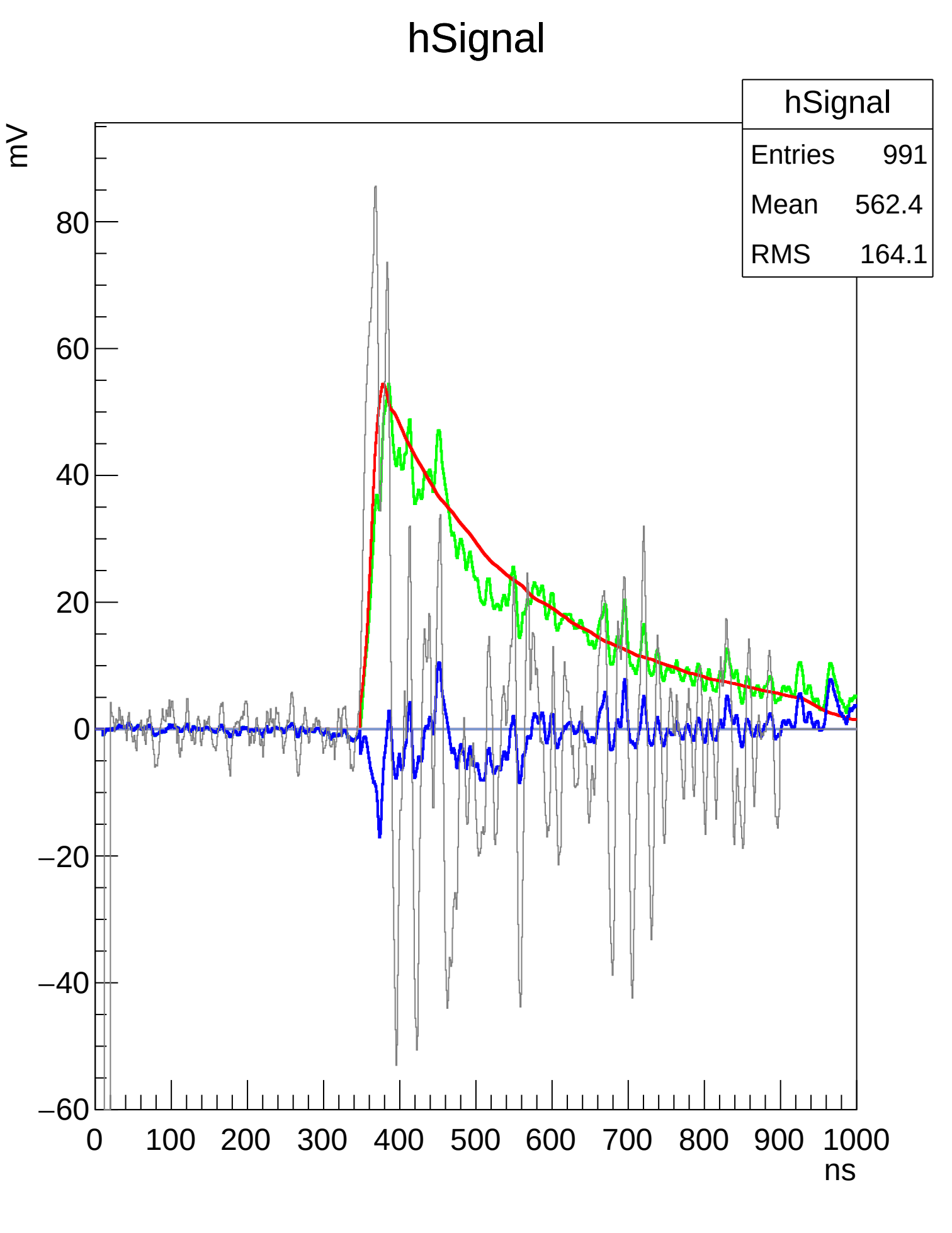

hSignal
hSignal
Entries 991
Mean 573.6
RMS 158.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

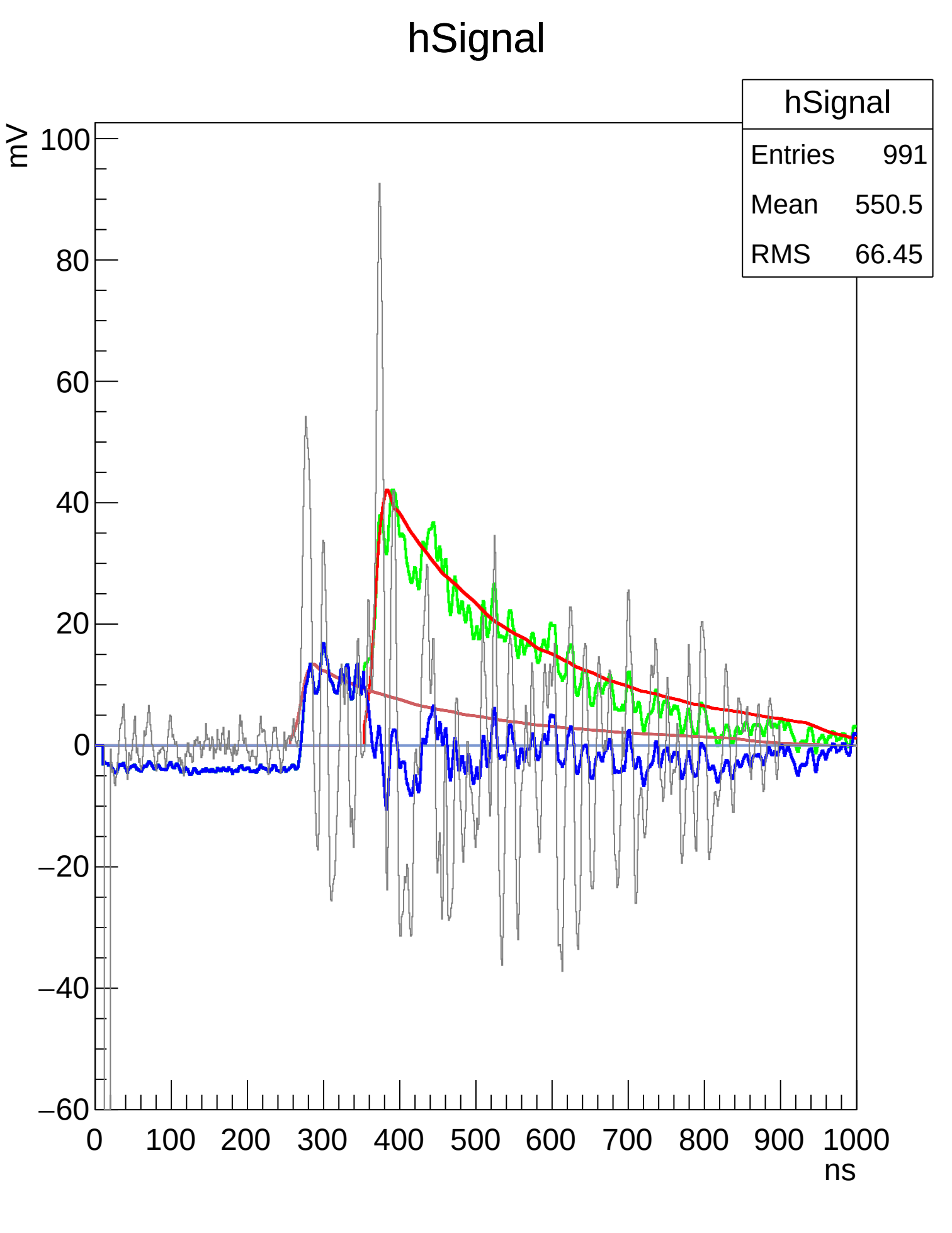

hSignal
hSignal
Entries 991
Mean 569.4
RMS 163.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

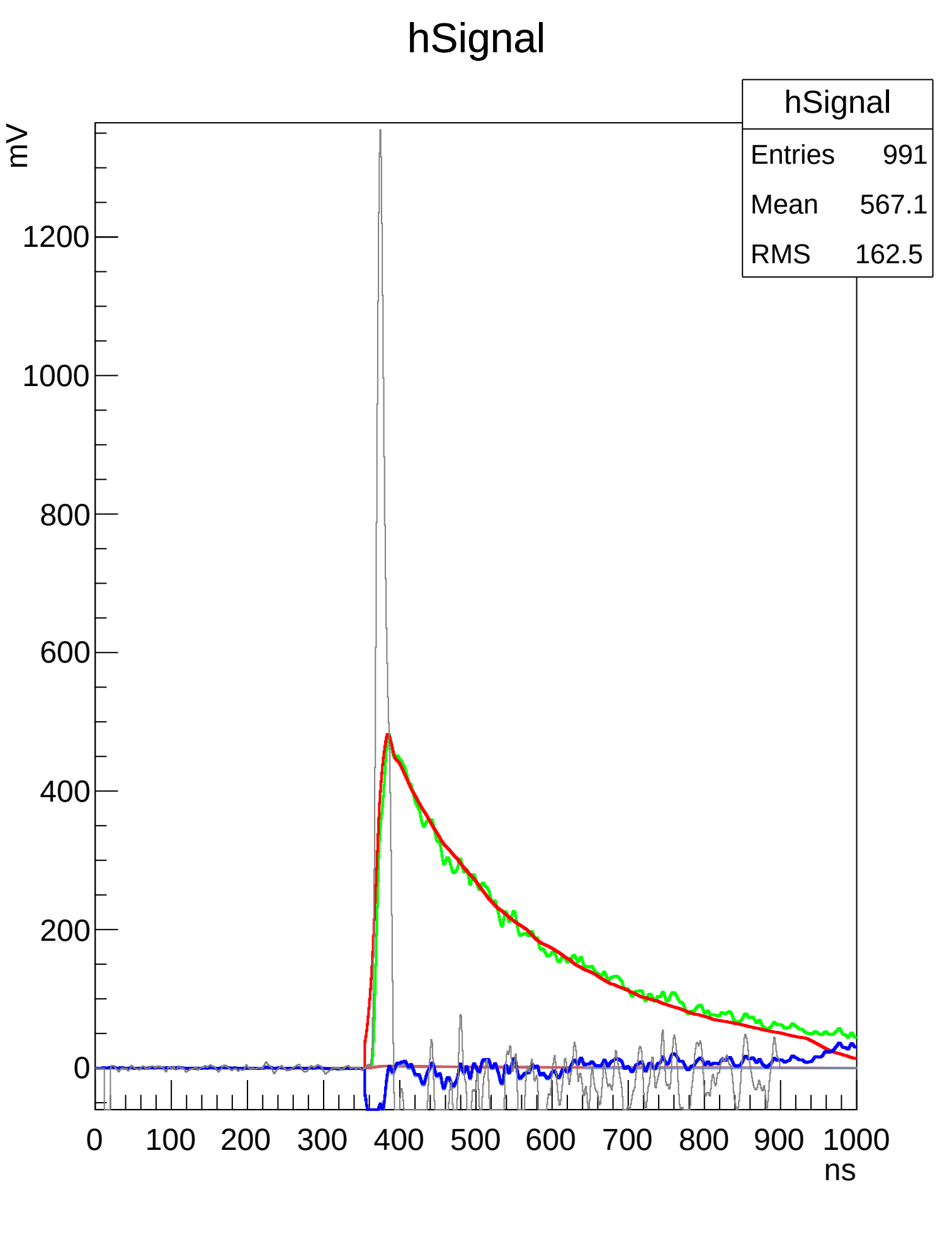

hSignal
hSignal
Entries 991
Mean 556.9
RMS 155.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

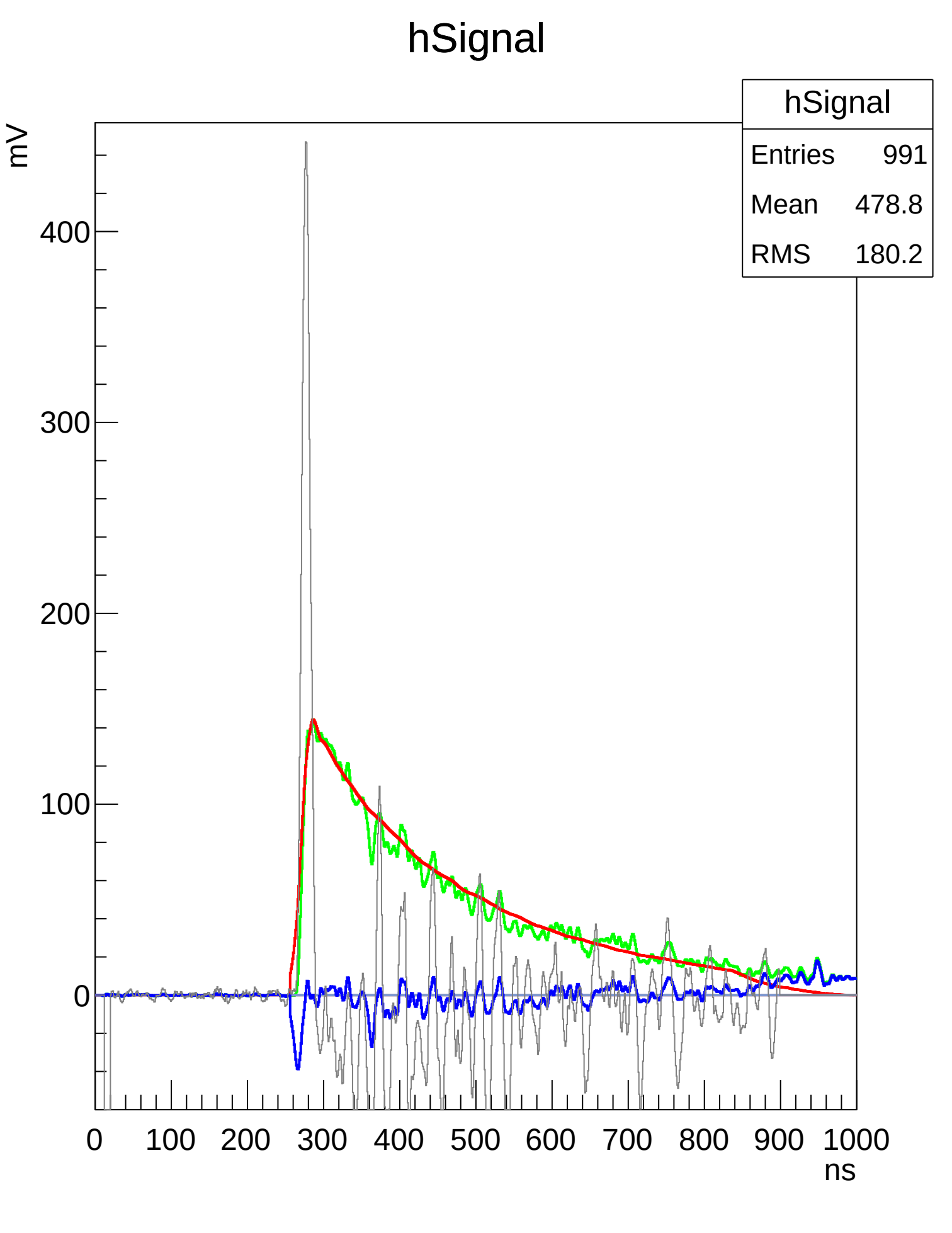

hSignal
hSignal
Entries 991
Mean 493.7
RMS 180.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

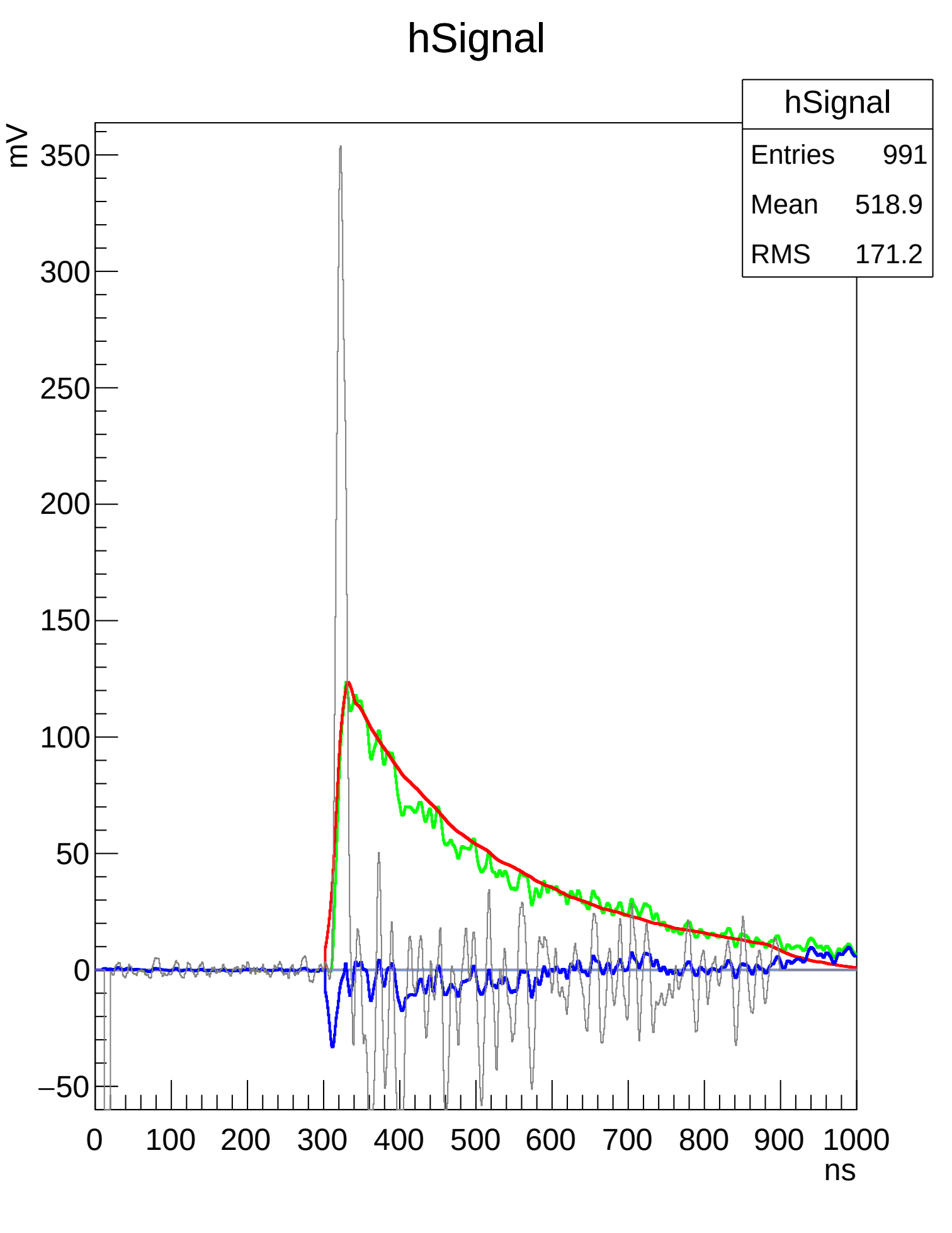

hSignal
hSignal
Entries 991
Mean 479.8
RMS 180.8
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

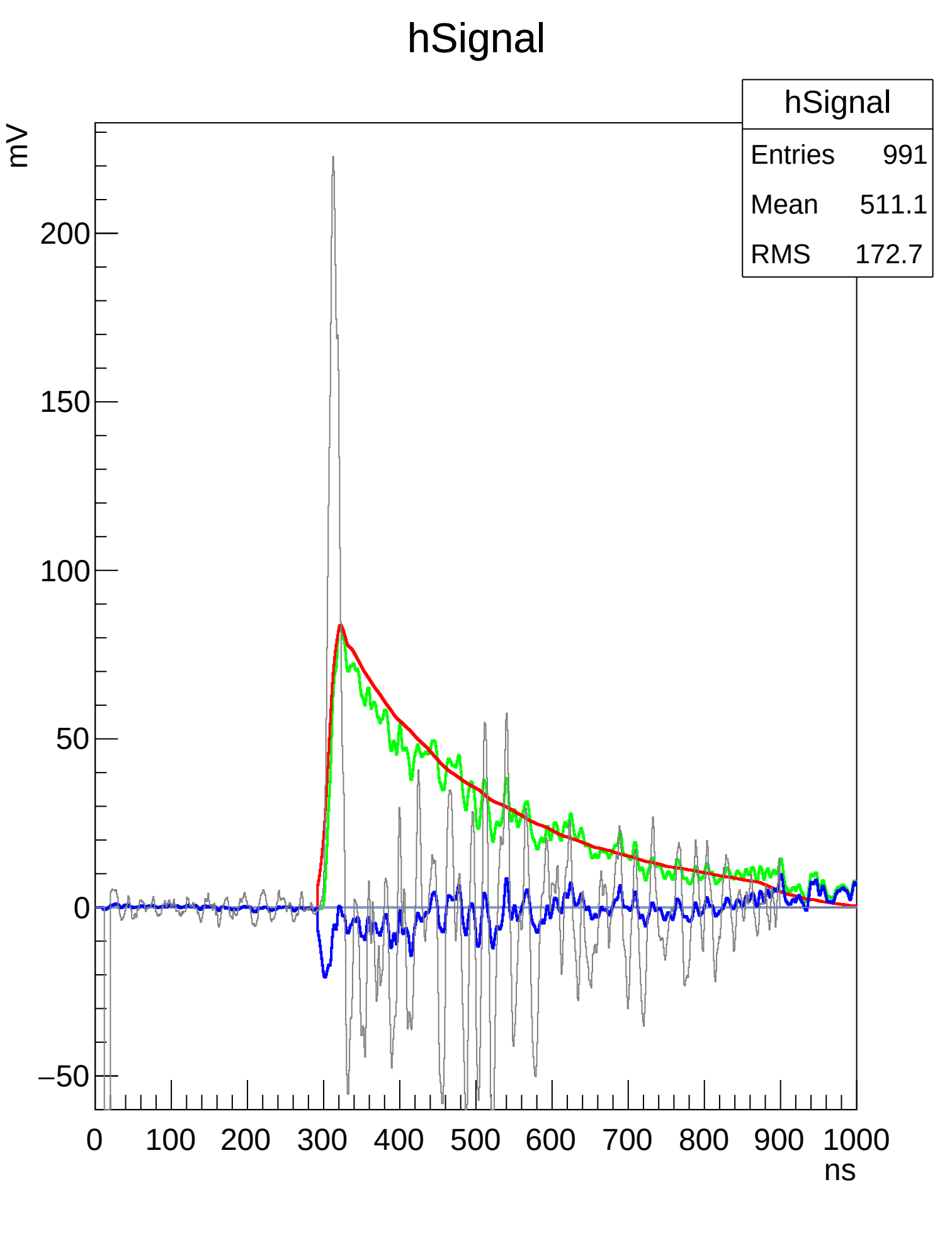

hSignal
hSignal
Entries 991
Mean 562.4
RMS 164.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

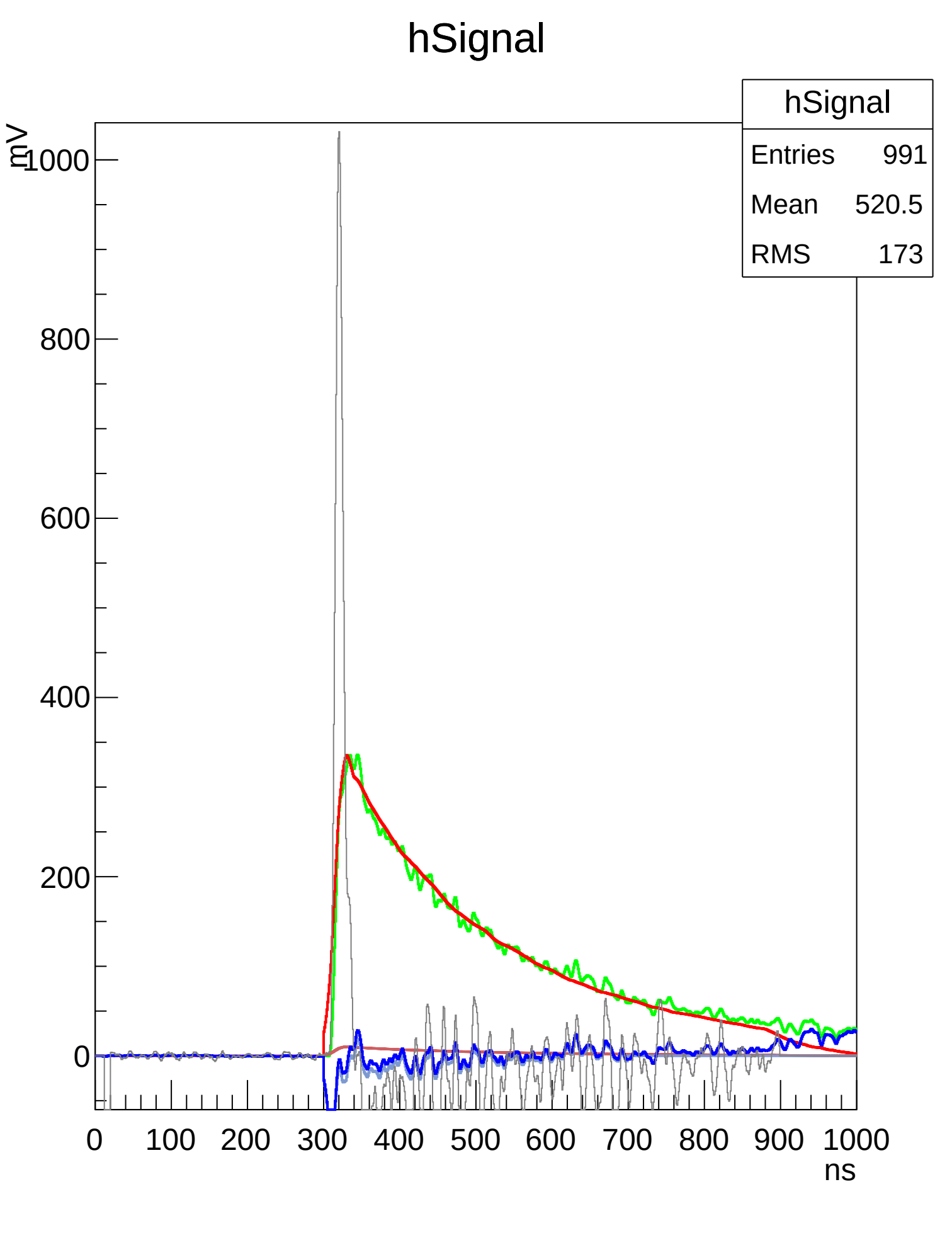

hSignal
hSignal
Entries 991
Mean 550.5
RMS 66.45
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

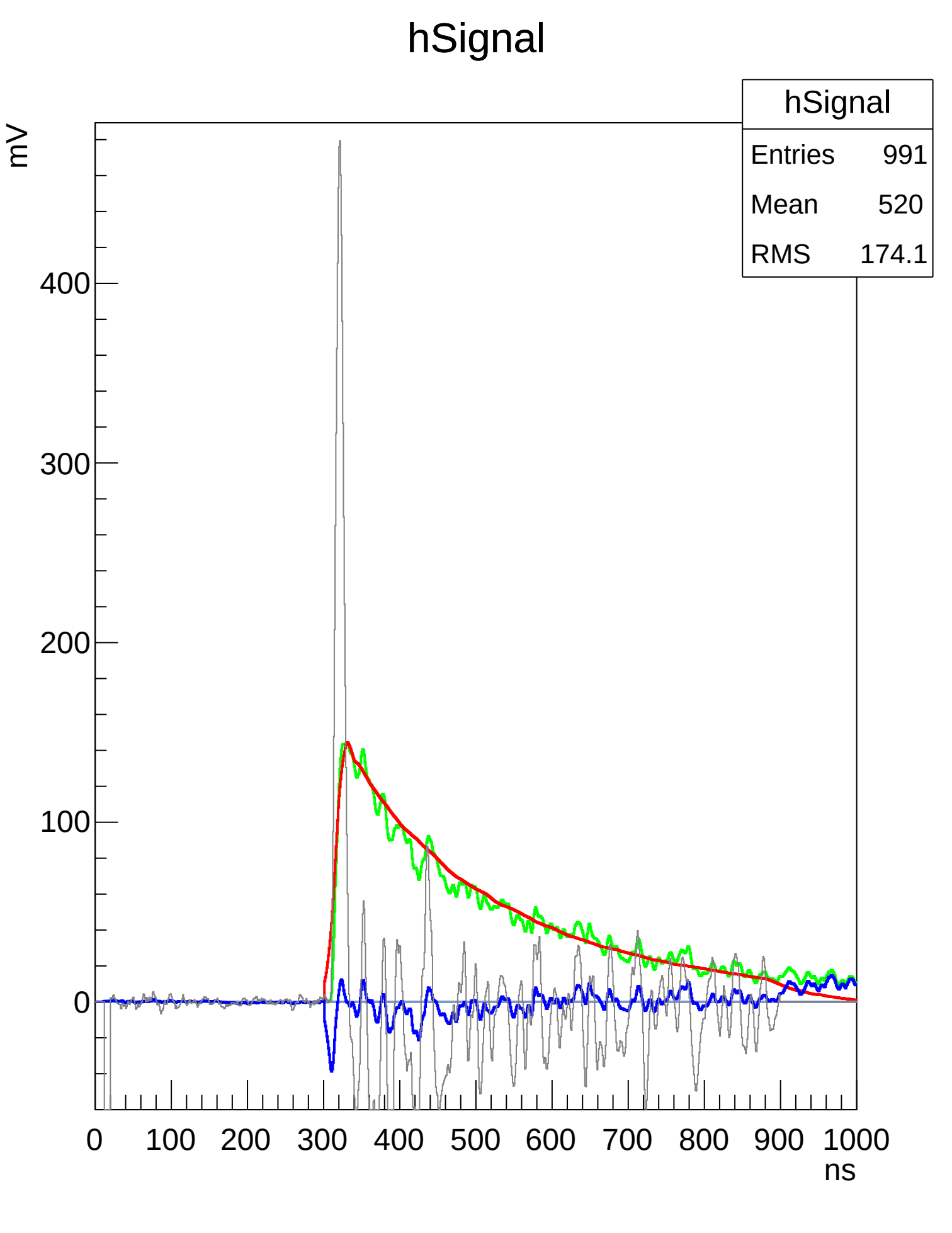

hSignal
hSignal
Entries 991
Mean 567.1
RMS 162.5
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

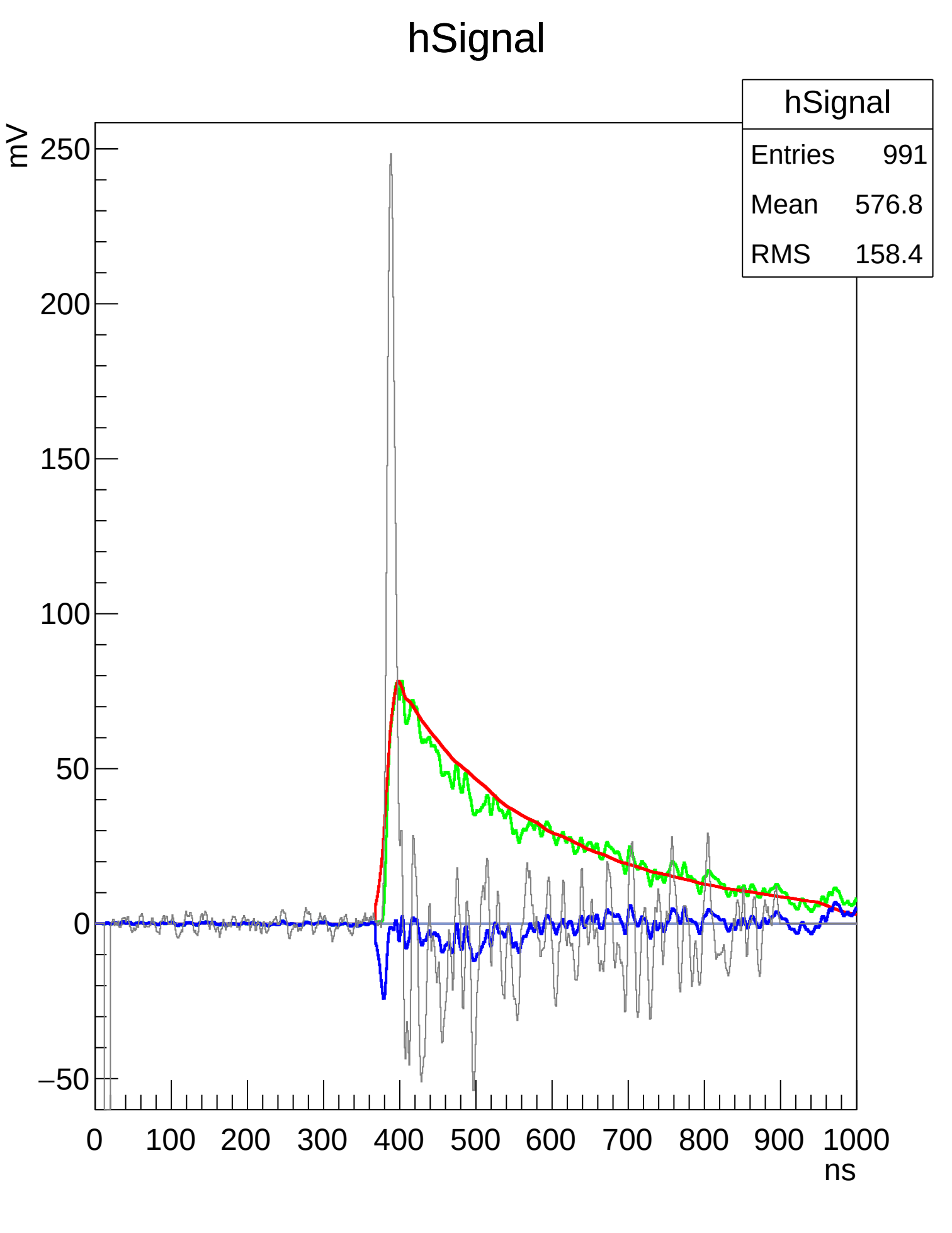

hSignal
hSignal
Entries 991
Mean 478.8
RMS 180.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

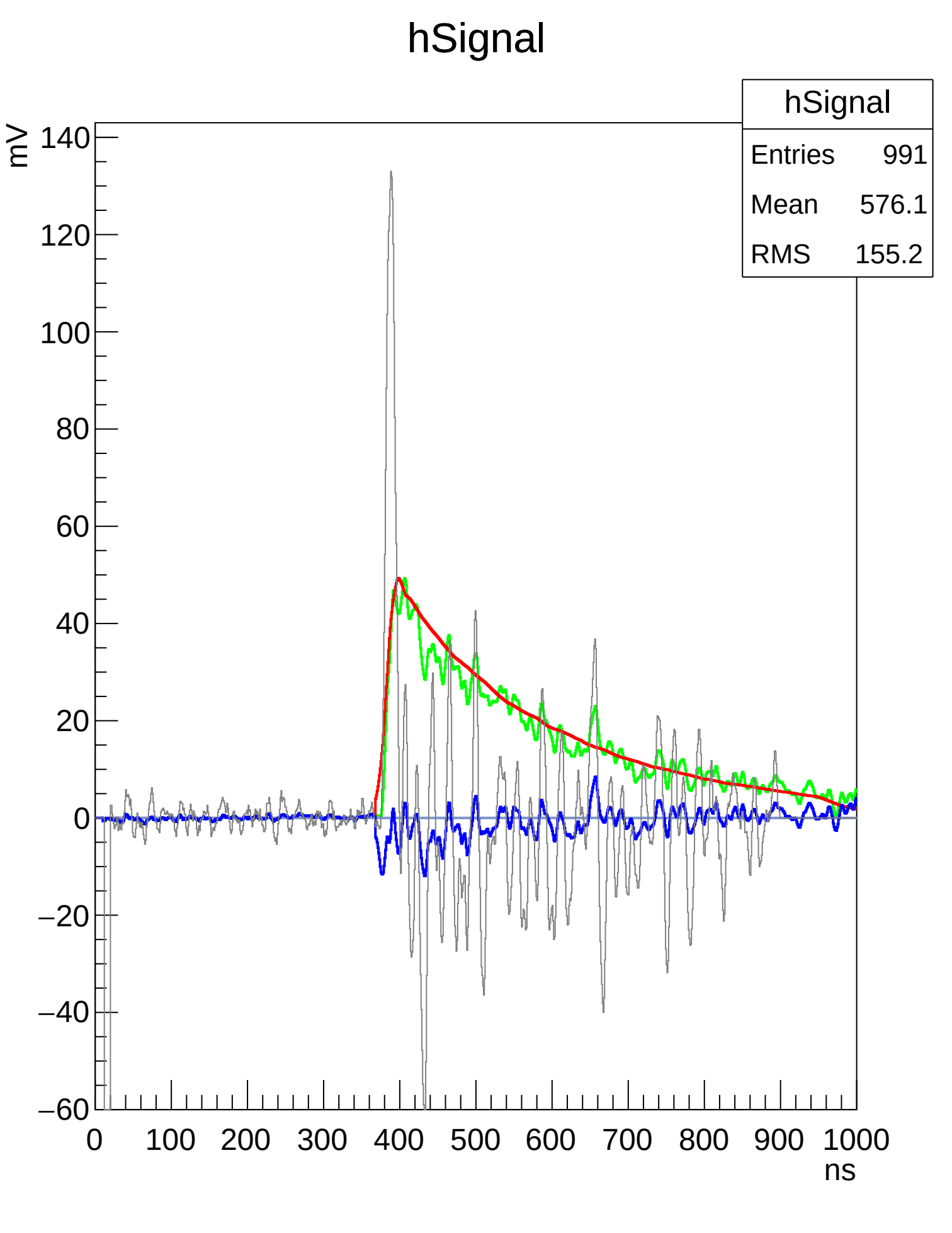

hSignal
hSignal
Entries 991
Mean 518.9
RMS 171.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

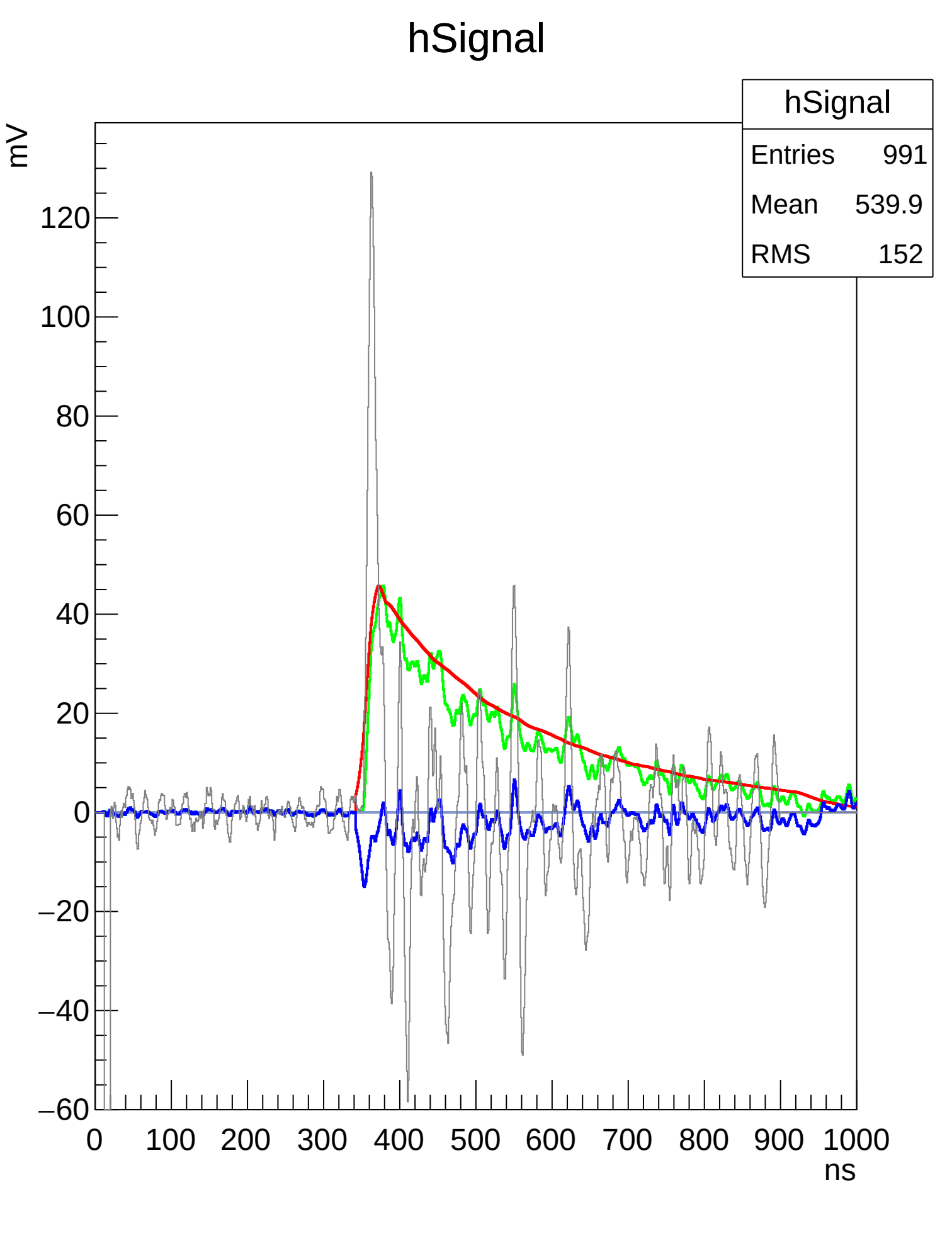

hSignal
hSignal
Entries 991
Mean 511.1
RMS 172.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

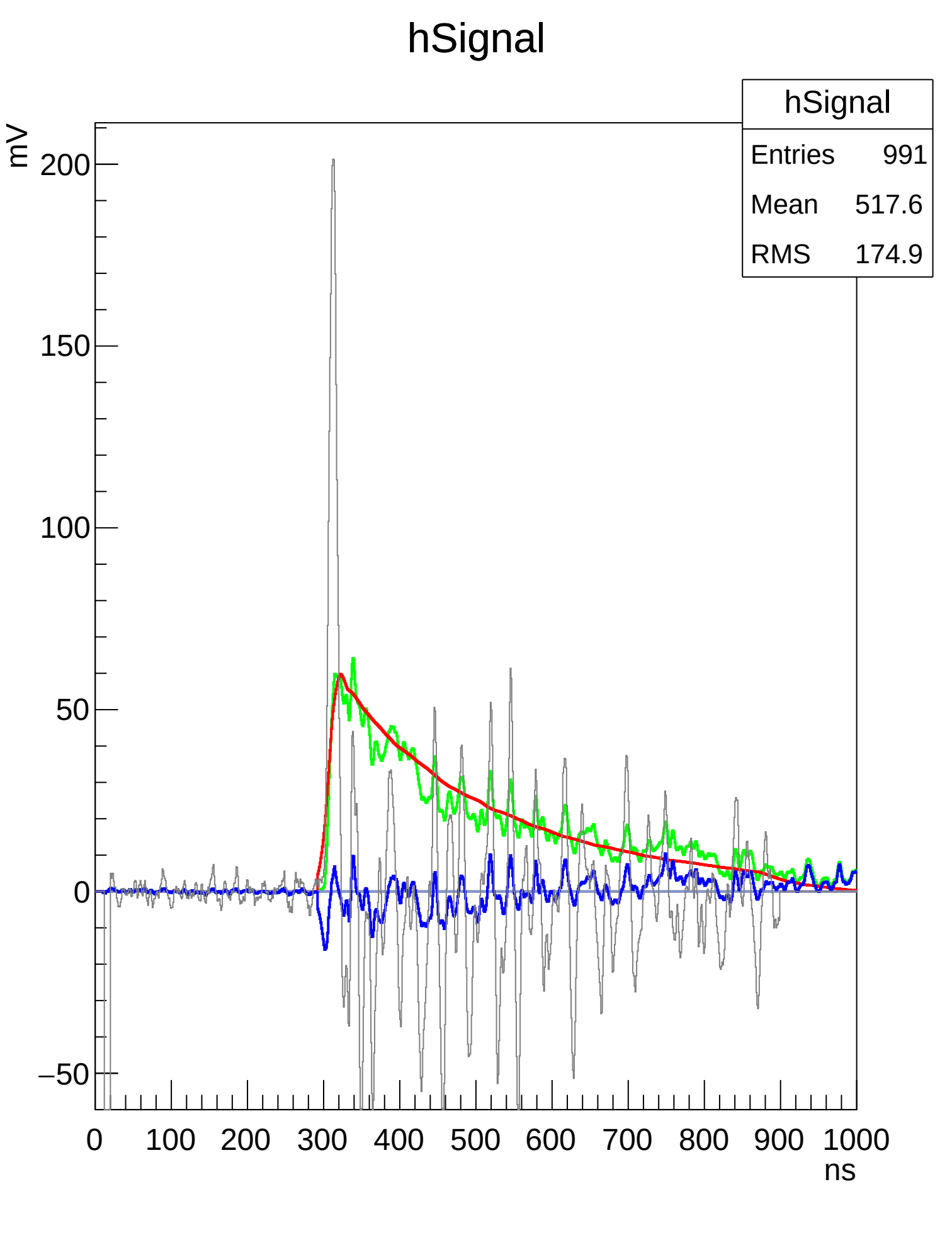

hSignal
hSignal
Entries 991
Mean 520.5
RMS 173
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

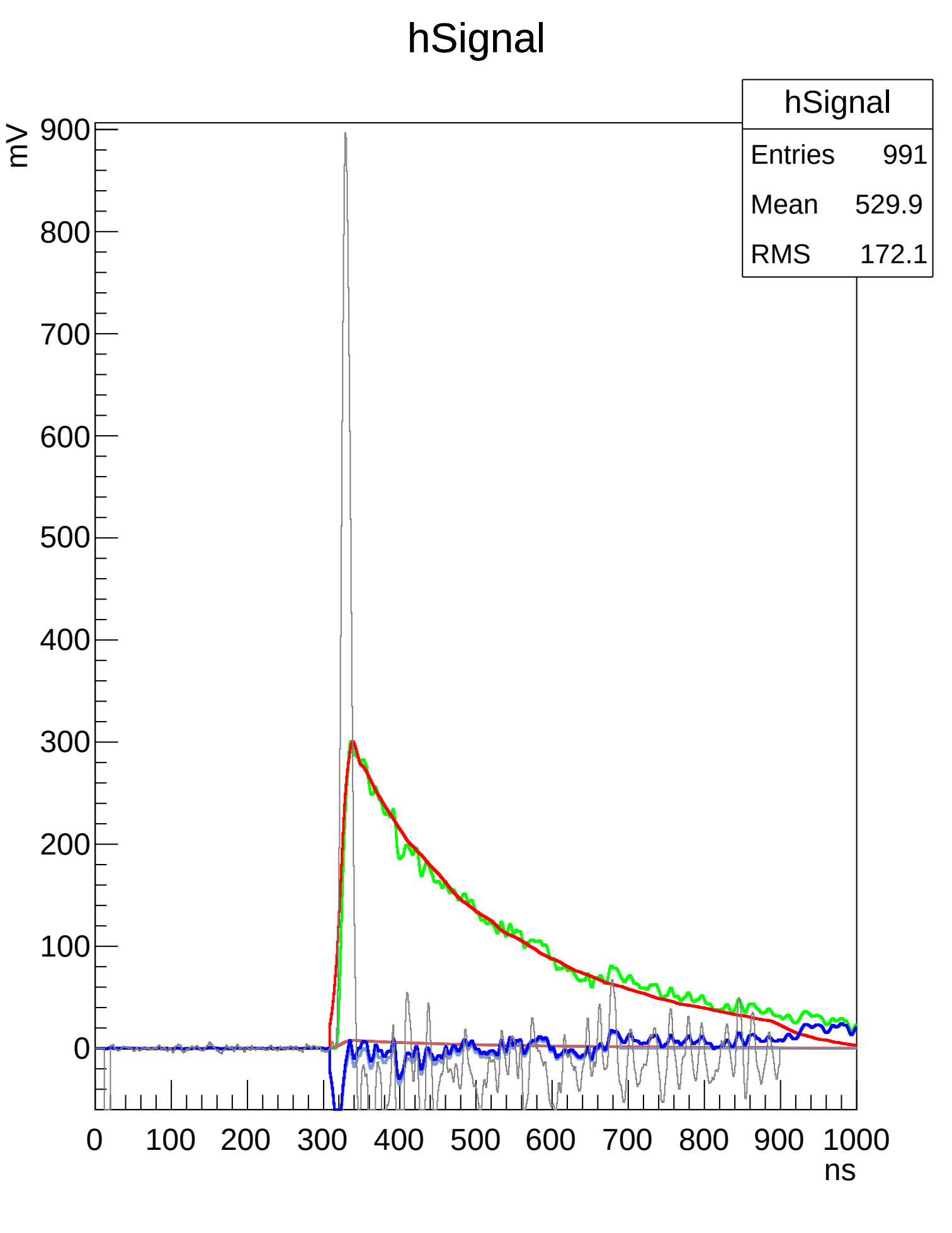

hSignal
hSignal
Entries 991
Mean 520
RMS 174.1
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

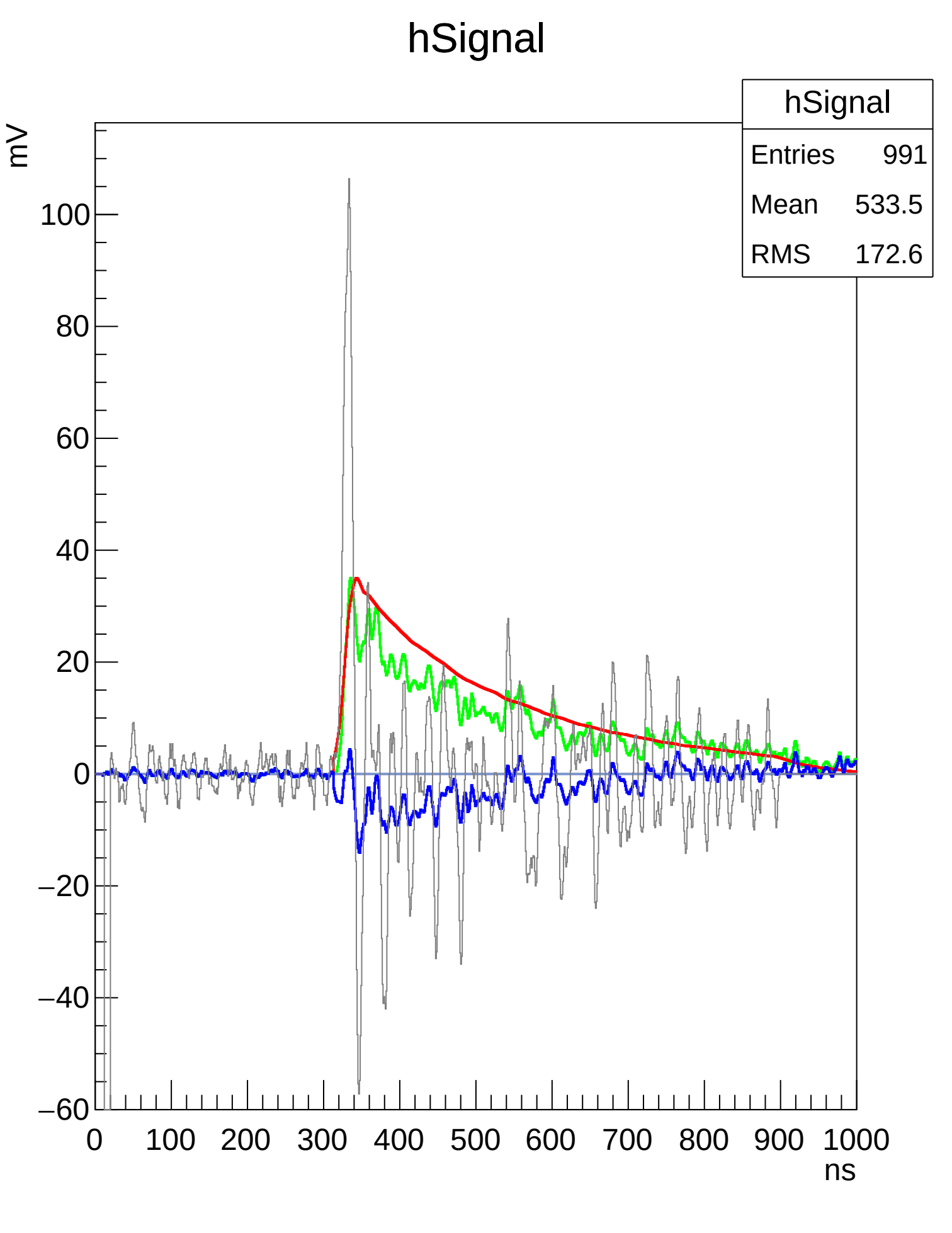

hSignal
hSignal
Entries 991
Mean 576.8
RMS 158.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

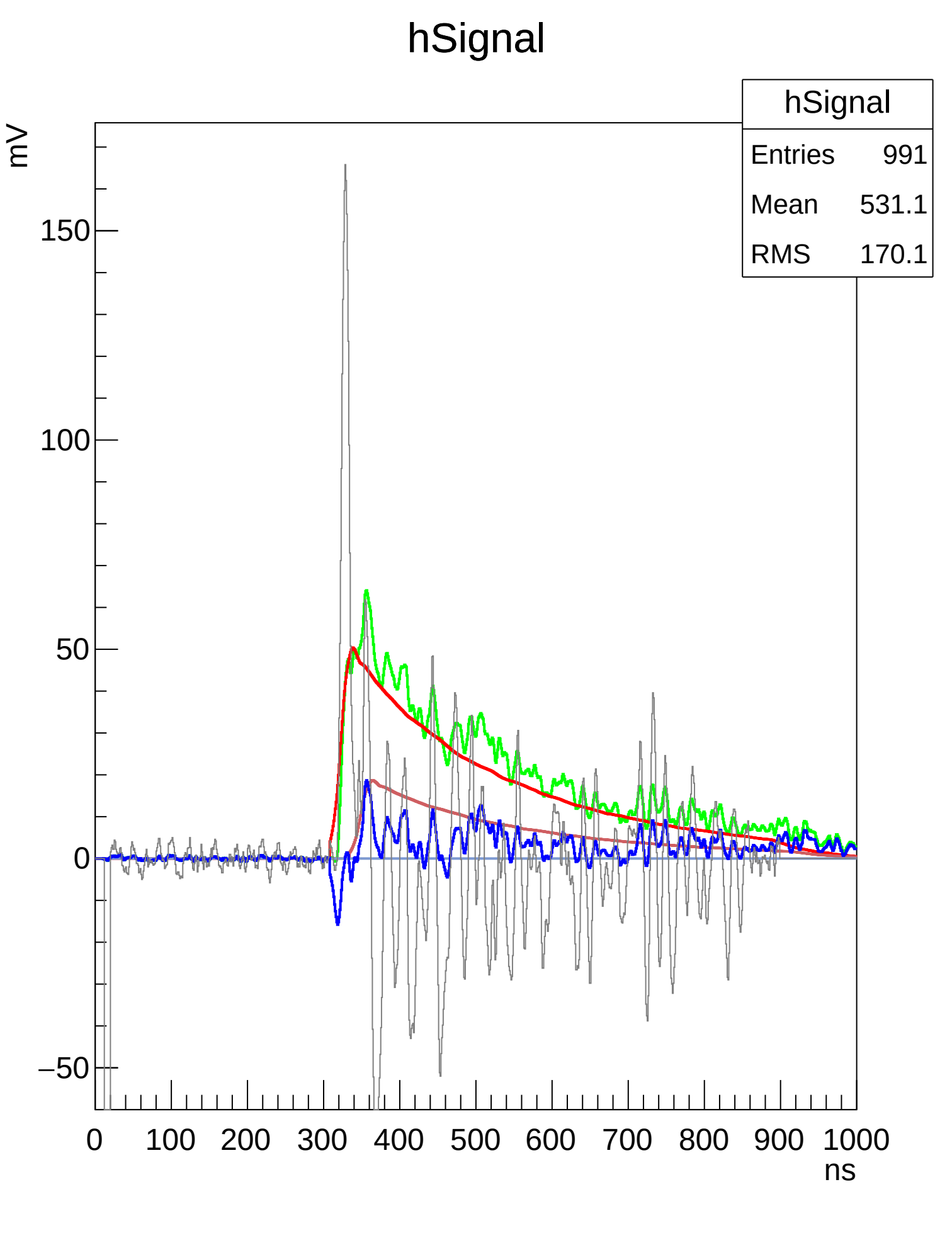

hSignal
hSignal
Entries 991
Mean 576.1
RMS 155.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

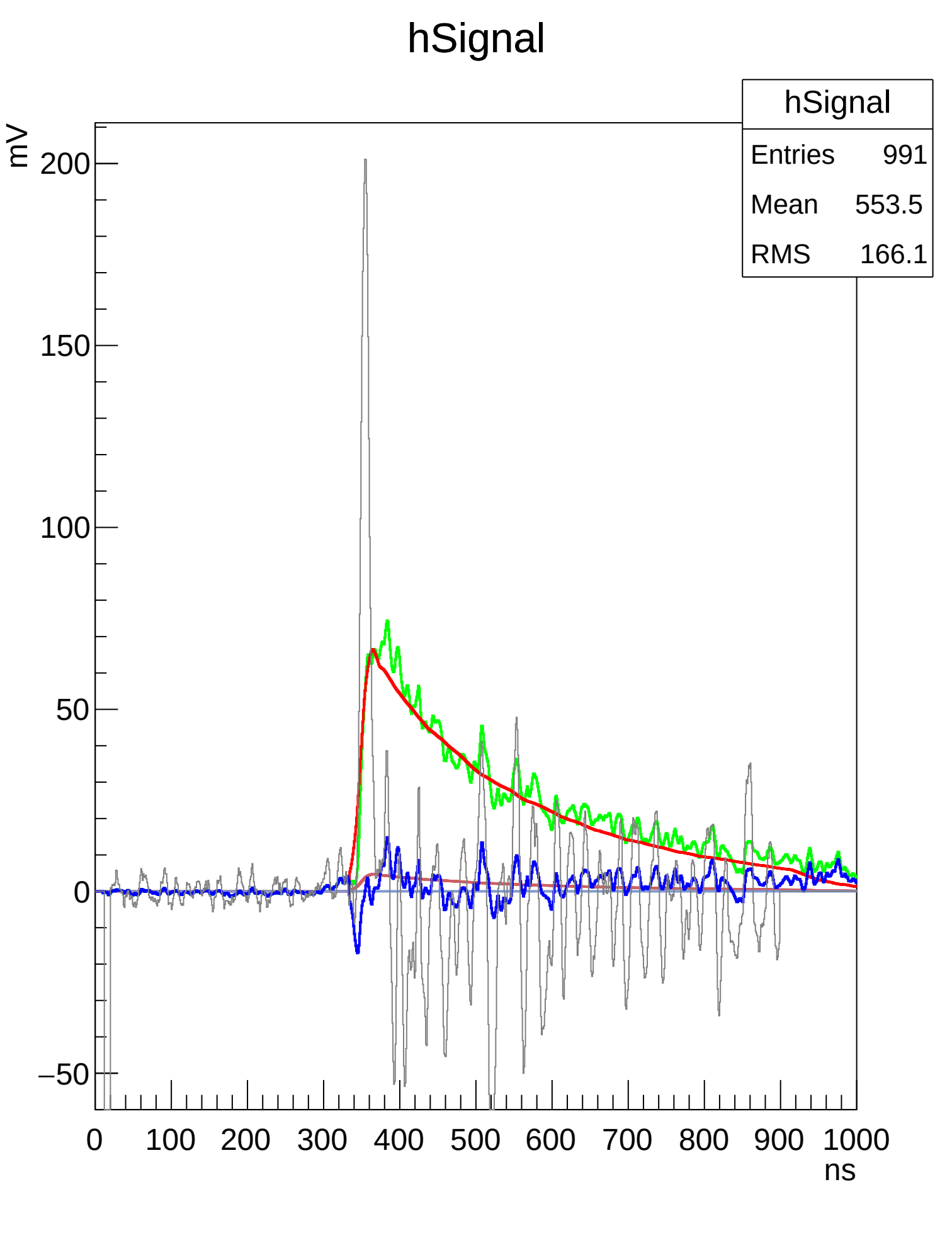

hSignal
hSignal
Entries 991
Mean 539.9
RMS 152
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

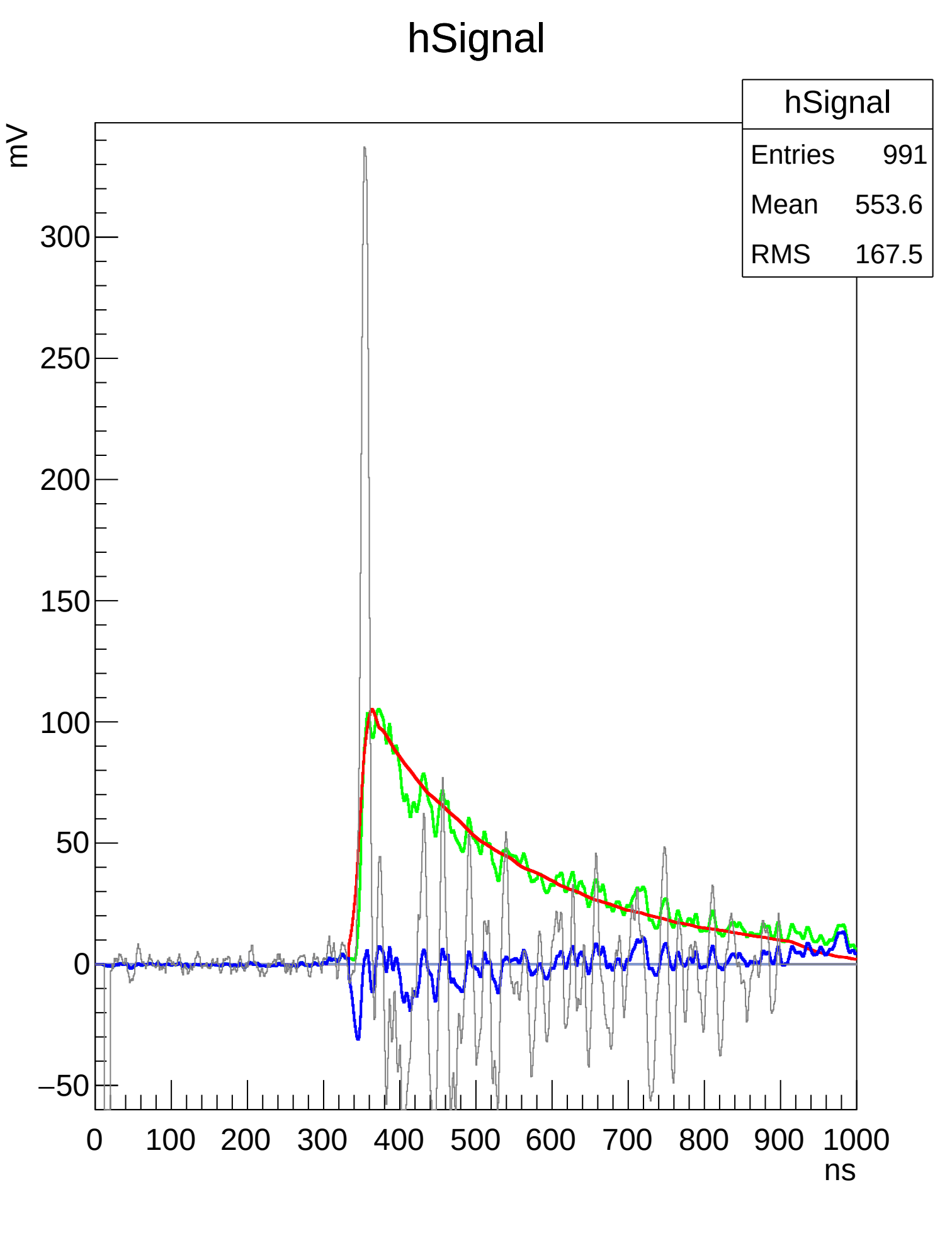

hSignal
hSignal
Entries 991
Mean 517.6
RMS 174.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

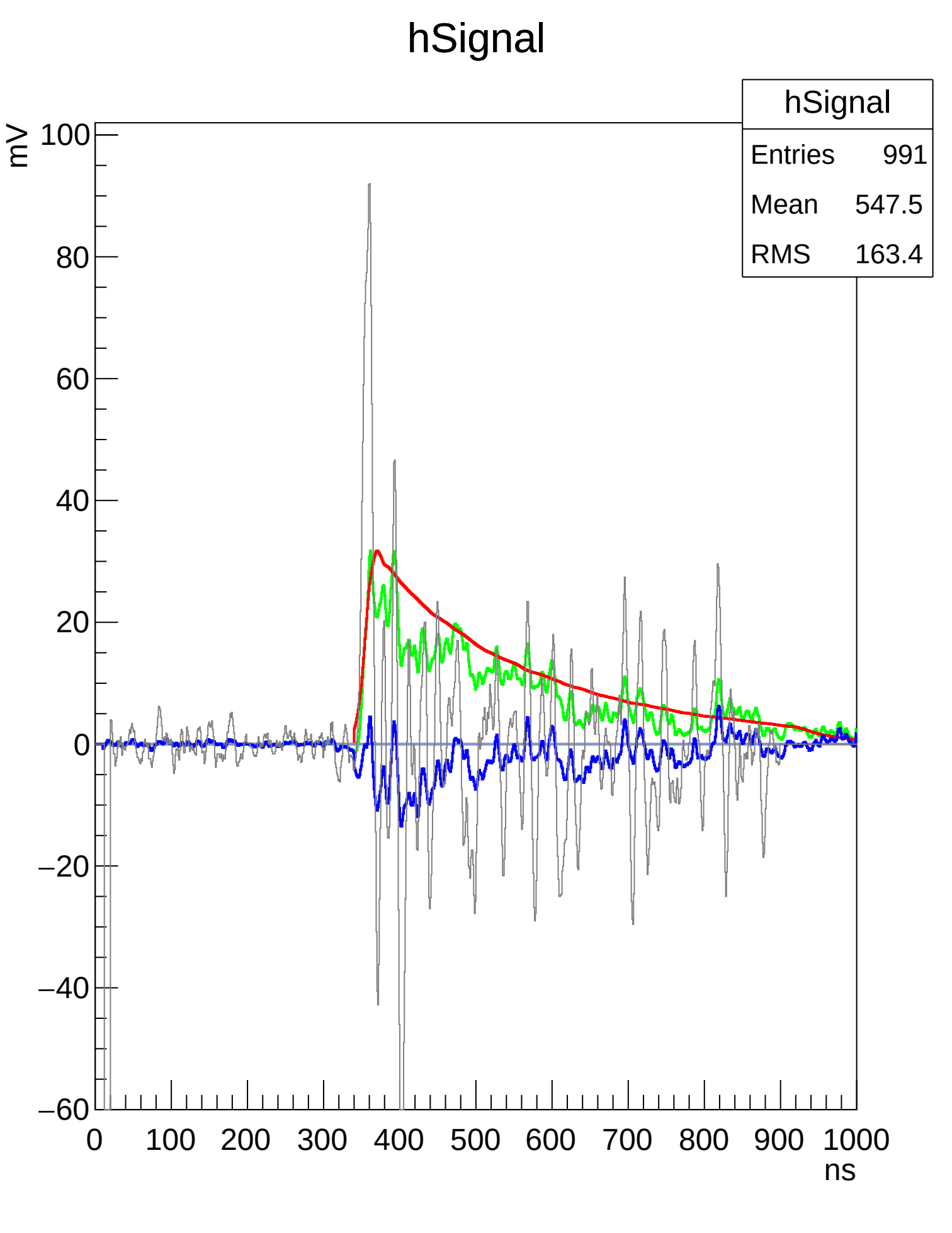

hSignal
hSignal
Entries 991
Mean 529.9
RMS 172.1
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

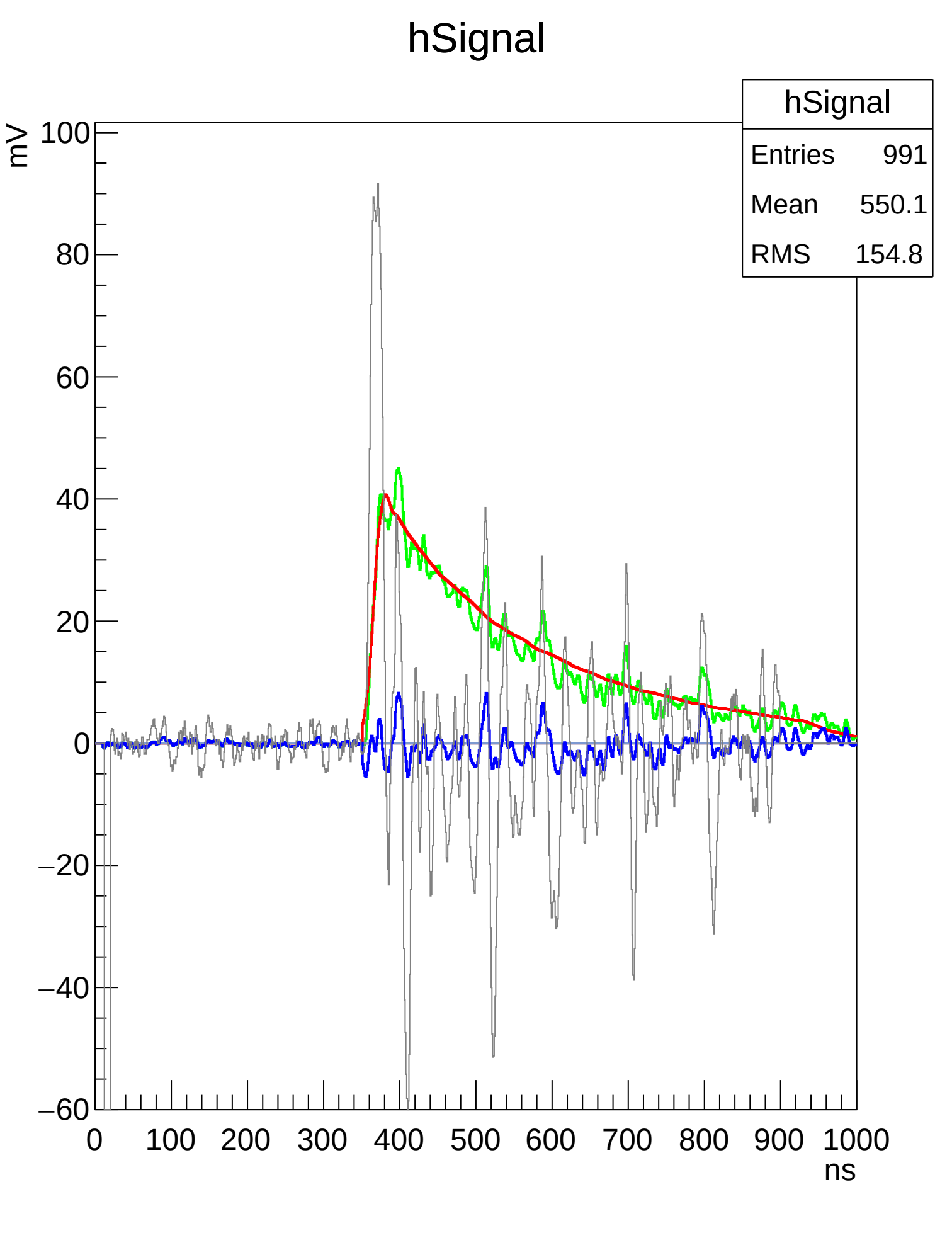

hSignal
hSignal
Entries 991
Mean 533.5
RMS 172.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

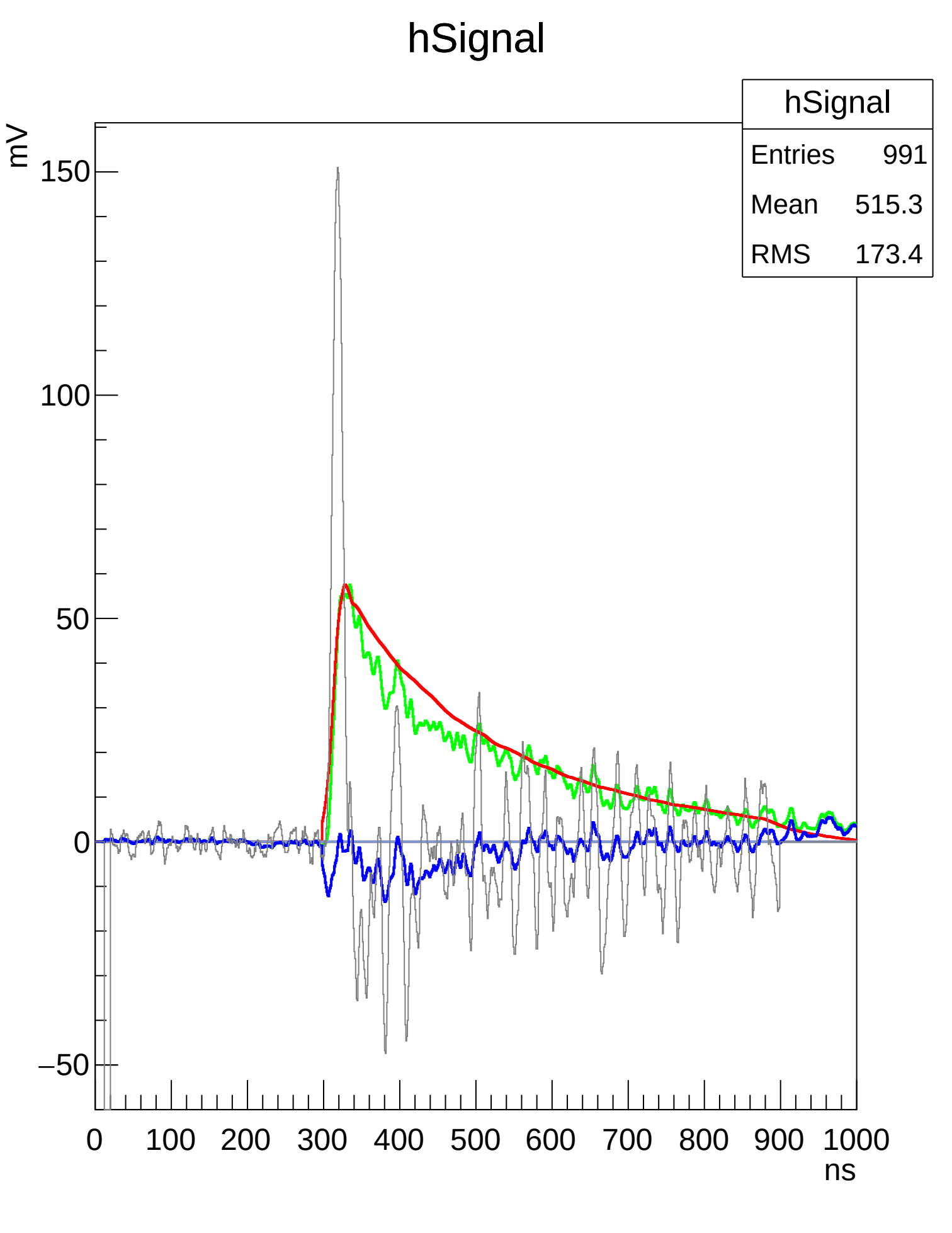

hSignal
hSignal
Entries 991
Mean 531.1
RMS 170.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

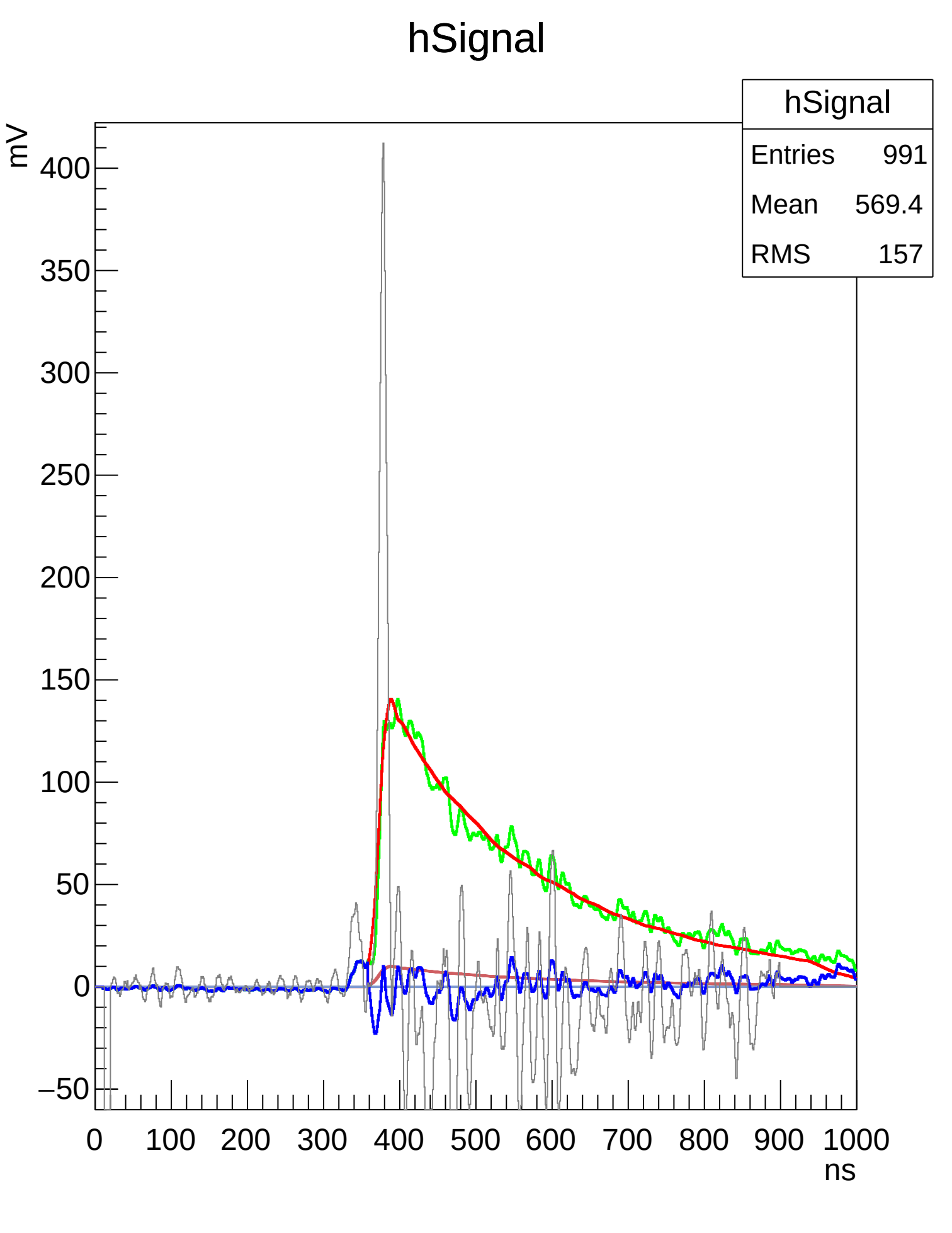

hSignal
hSignal
Entries 991
Mean 553.5
RMS 166.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

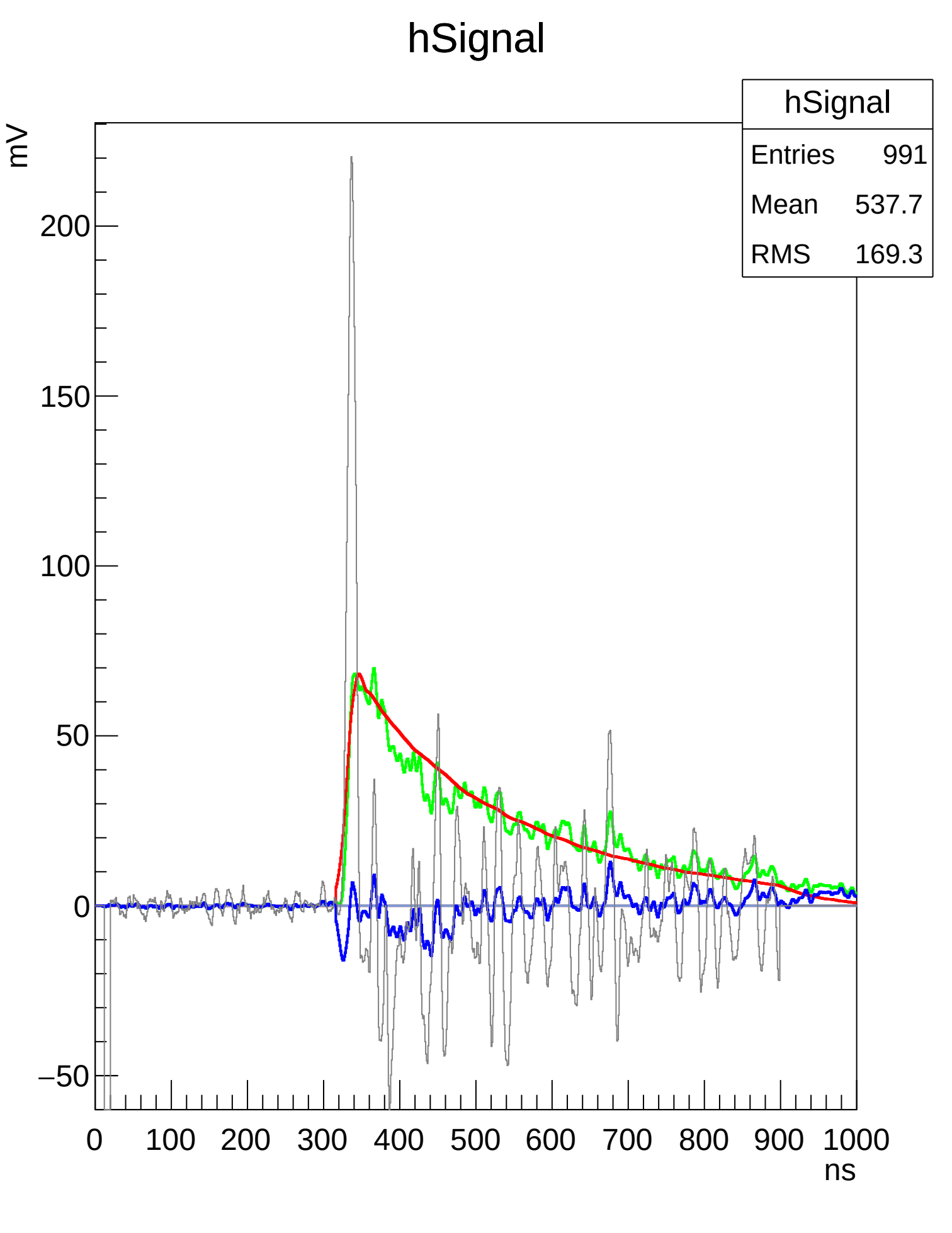

hSignal
hSignal
Entries 991
Mean 553.6
RMS 167.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

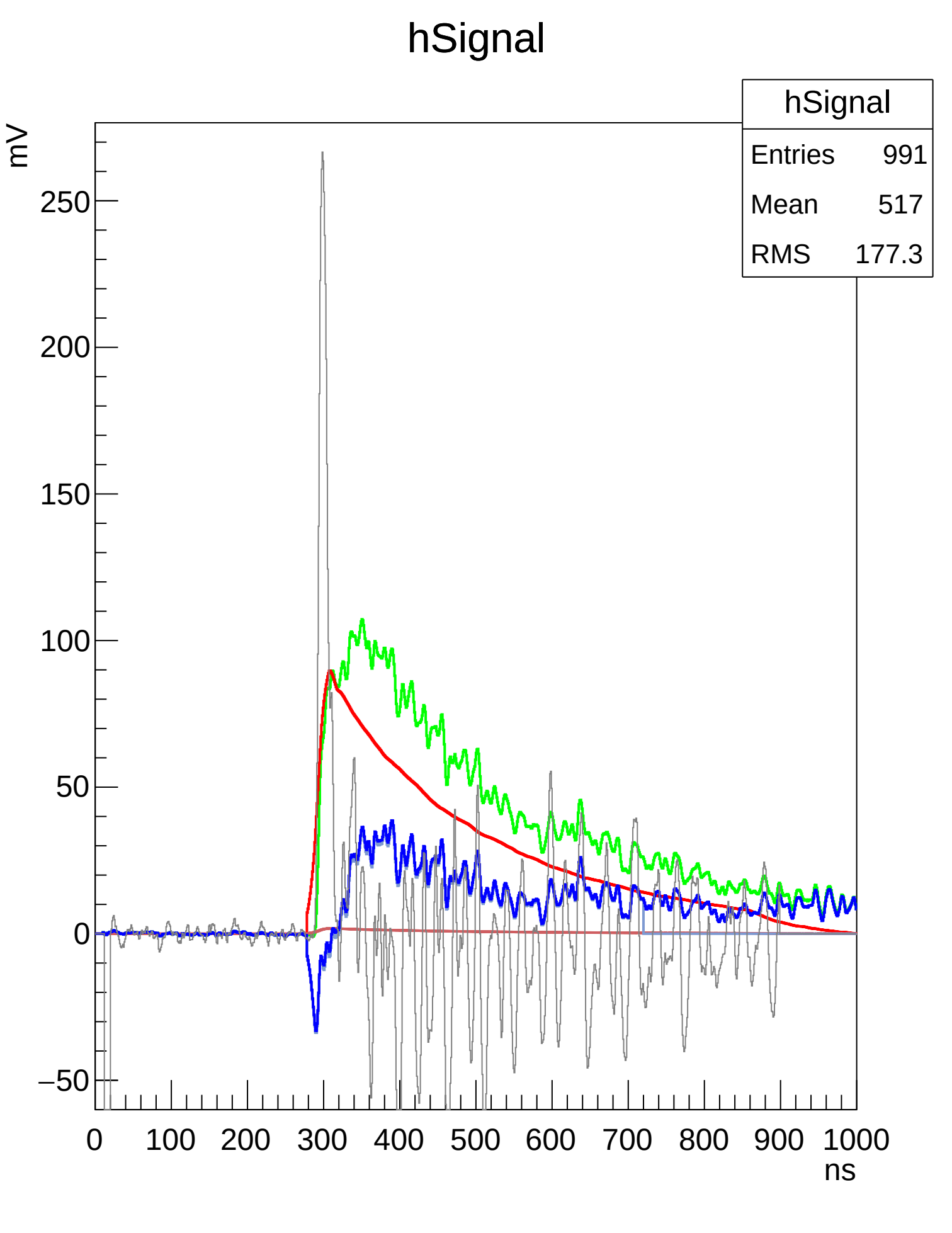

hSignal
hSignal
Entries 991
Mean 547.5
RMS 163.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

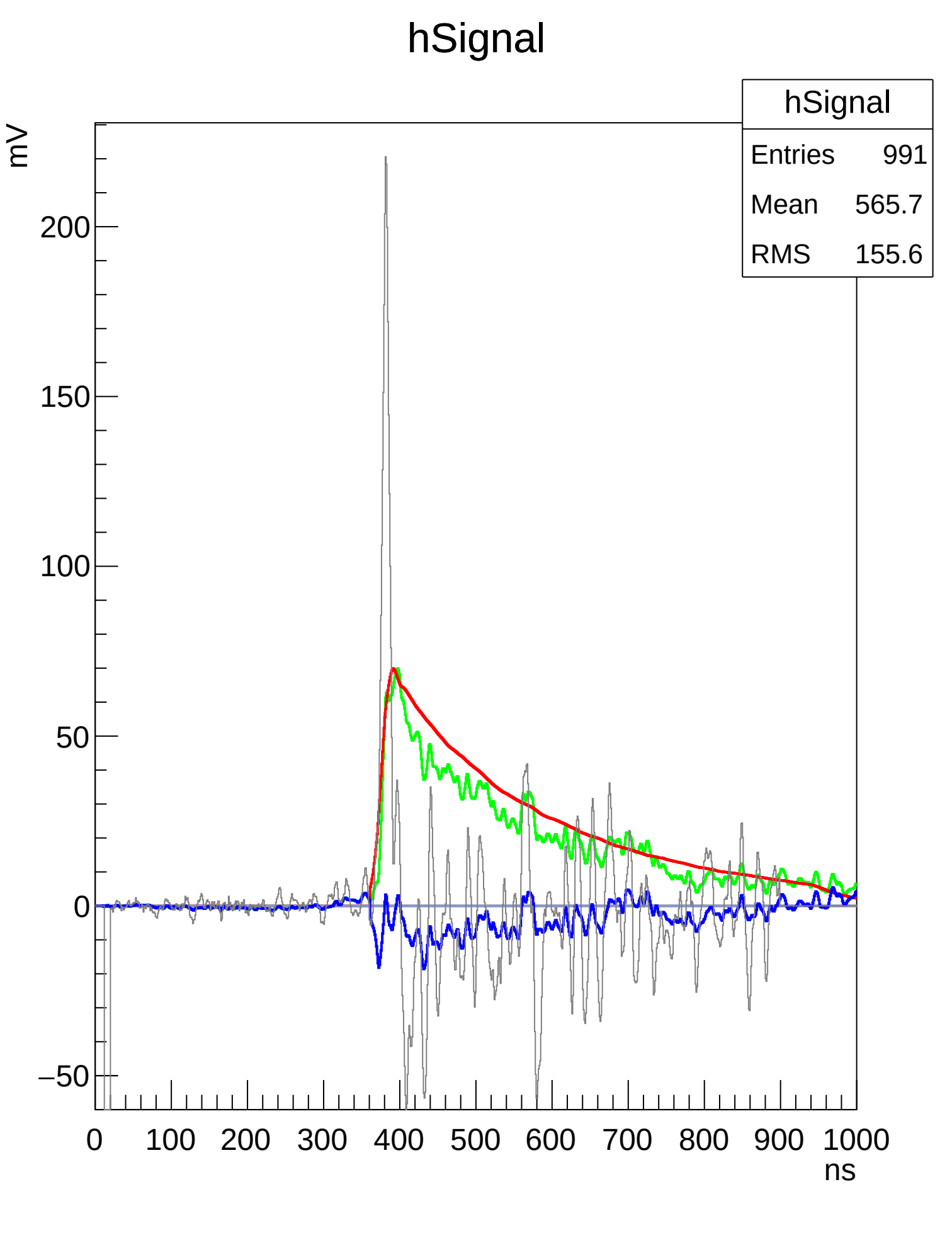

hSignal
hSignal
Entries 991
Mean 550.1
RMS 154.8
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

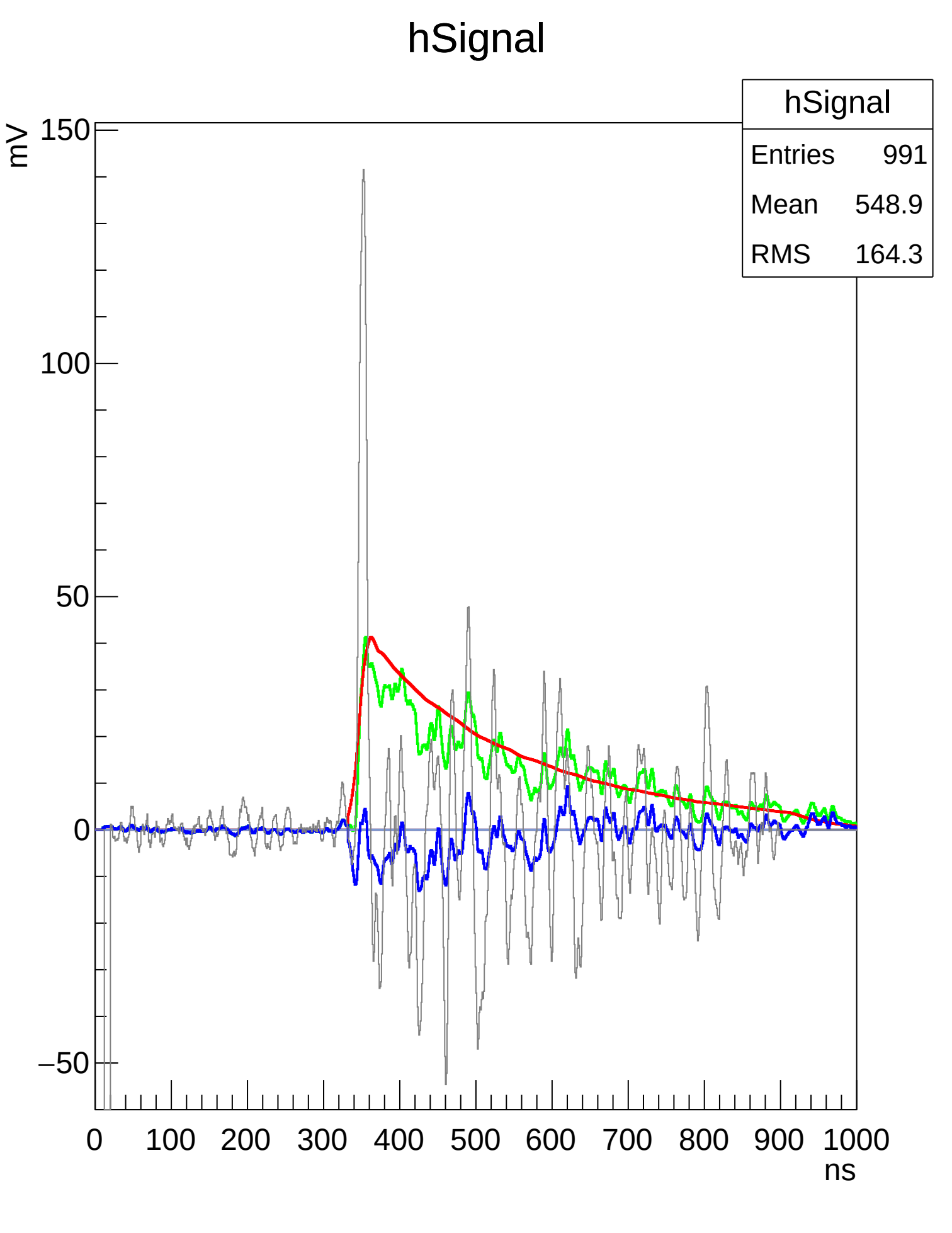

hSignal
hSignal
Entries 991
Mean 515.3
RMS 173.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

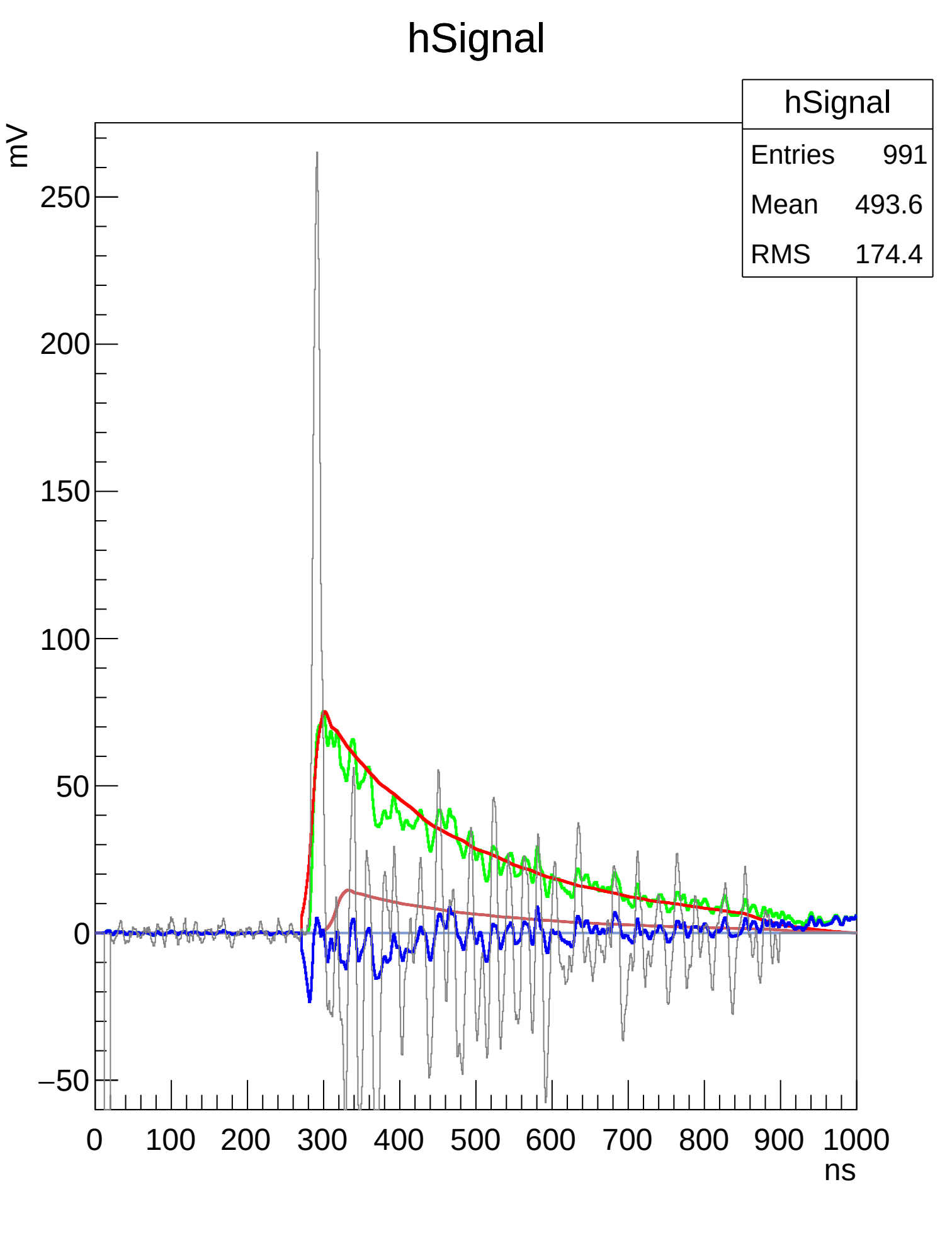

hSignal
hSignal
Entries 991
Mean 569.4
RMS 157
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

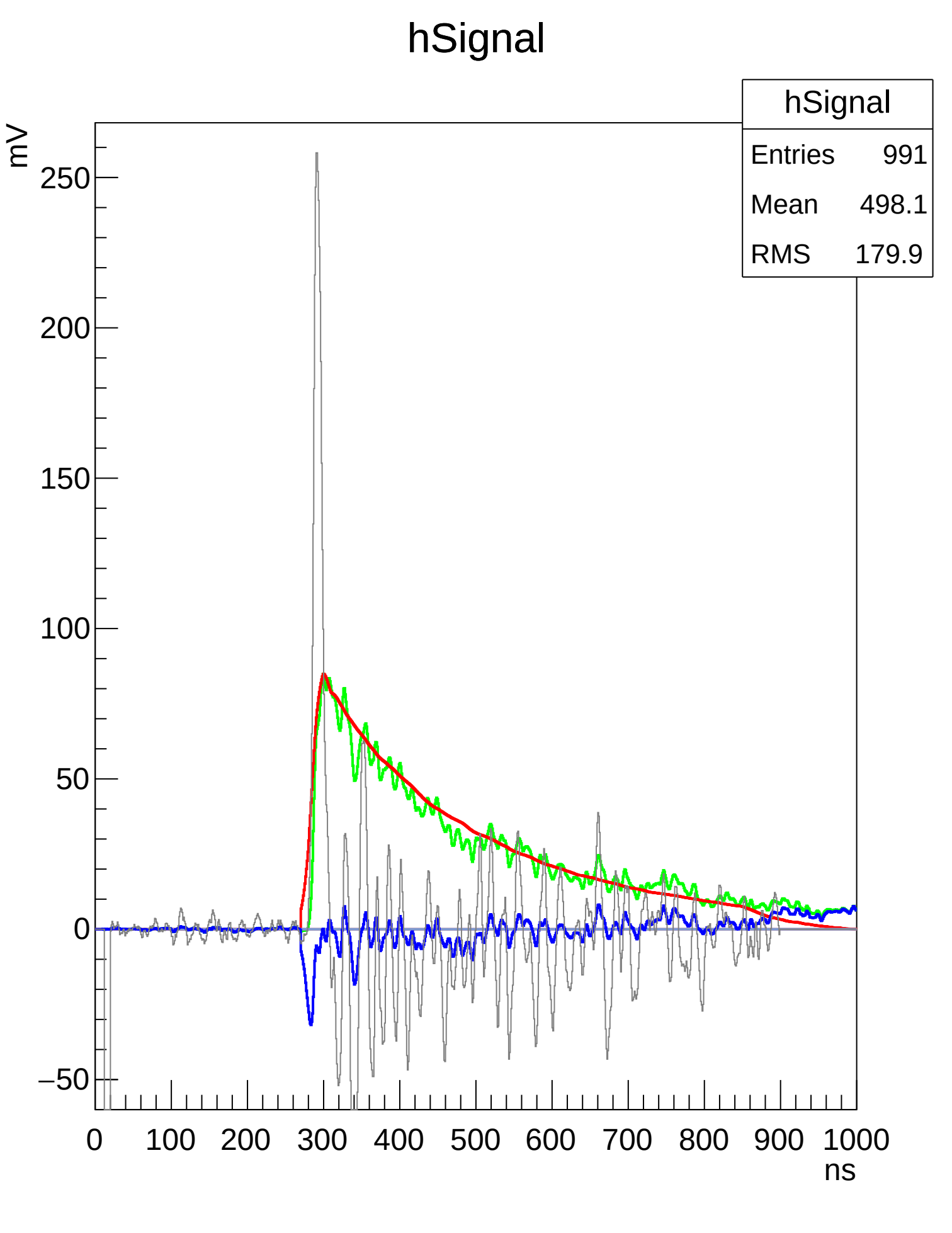

hSignal
hSignal
Entries 991
Mean 537.7
RMS 169.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

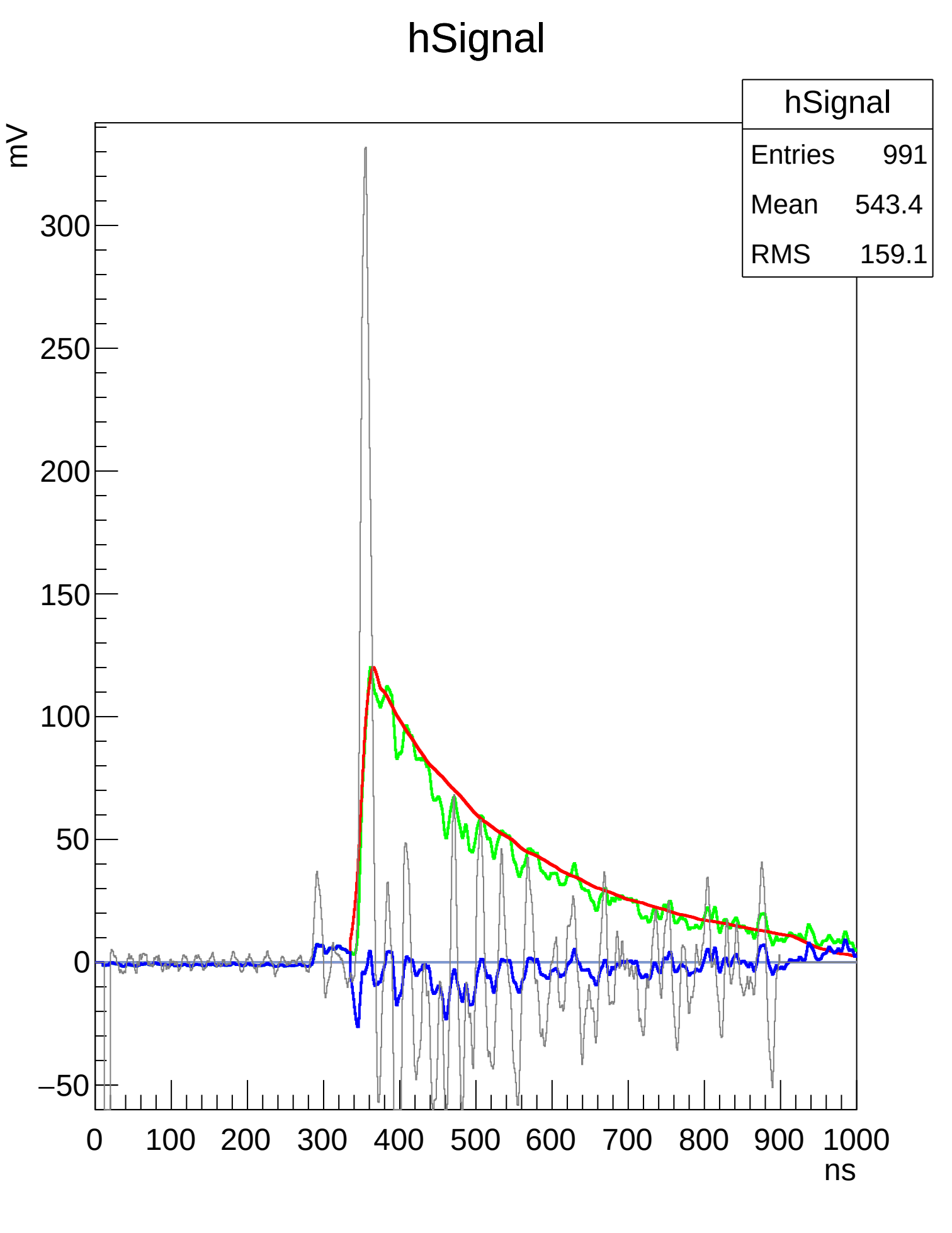

hSignal
hSignal
Entries 991
Mean 517
RMS 177.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

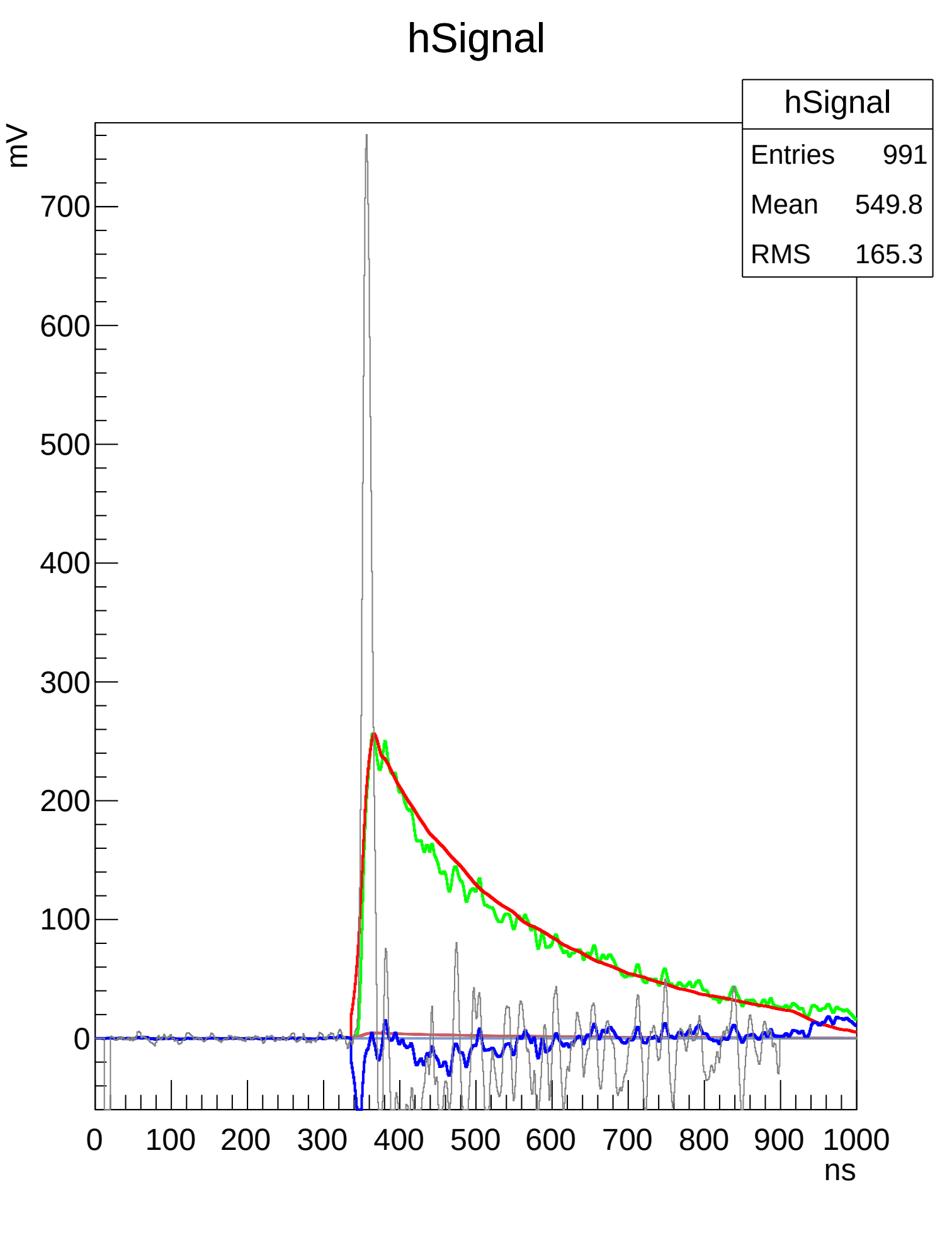

hSignal
hSignal
Entries 991
Mean 565.7
RMS 155.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

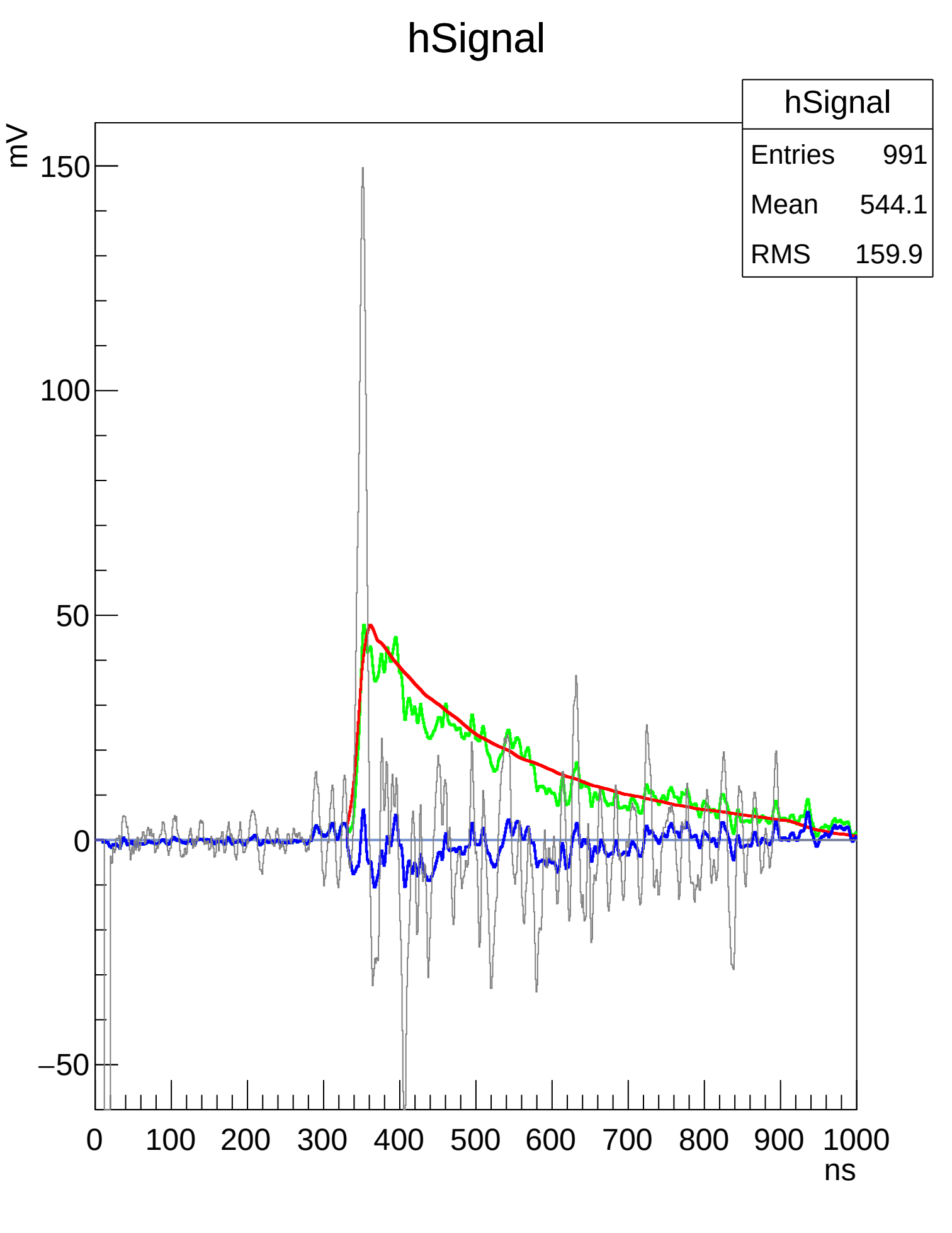

hSignal
hSignal
Entries 991
Mean 548.9
RMS 164.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

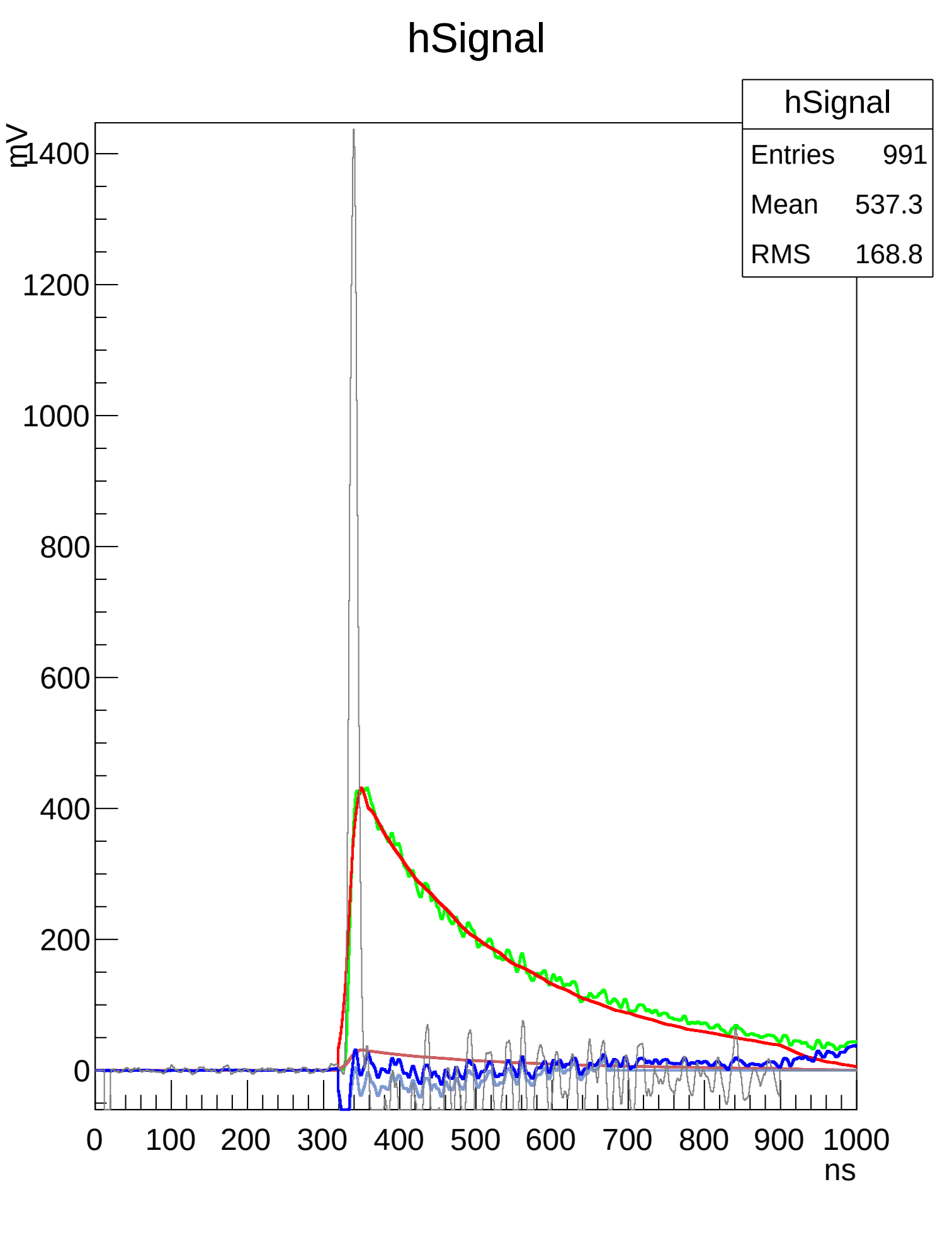

hSignal
hSignal
Entries 991
Mean 493.6
RMS 174.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

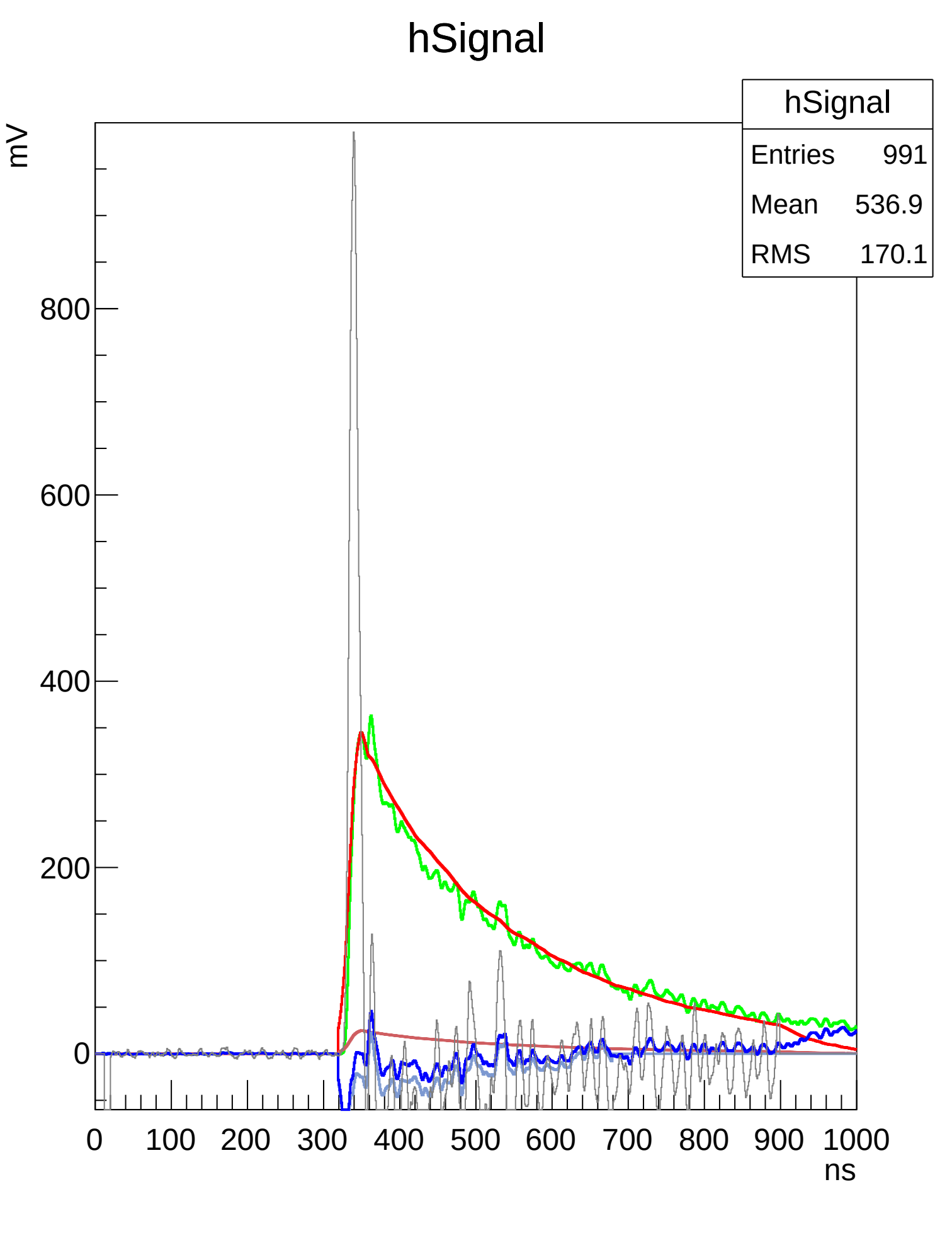

hSignal
hSignal
Entries 991
Mean 498.1
RMS 179.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

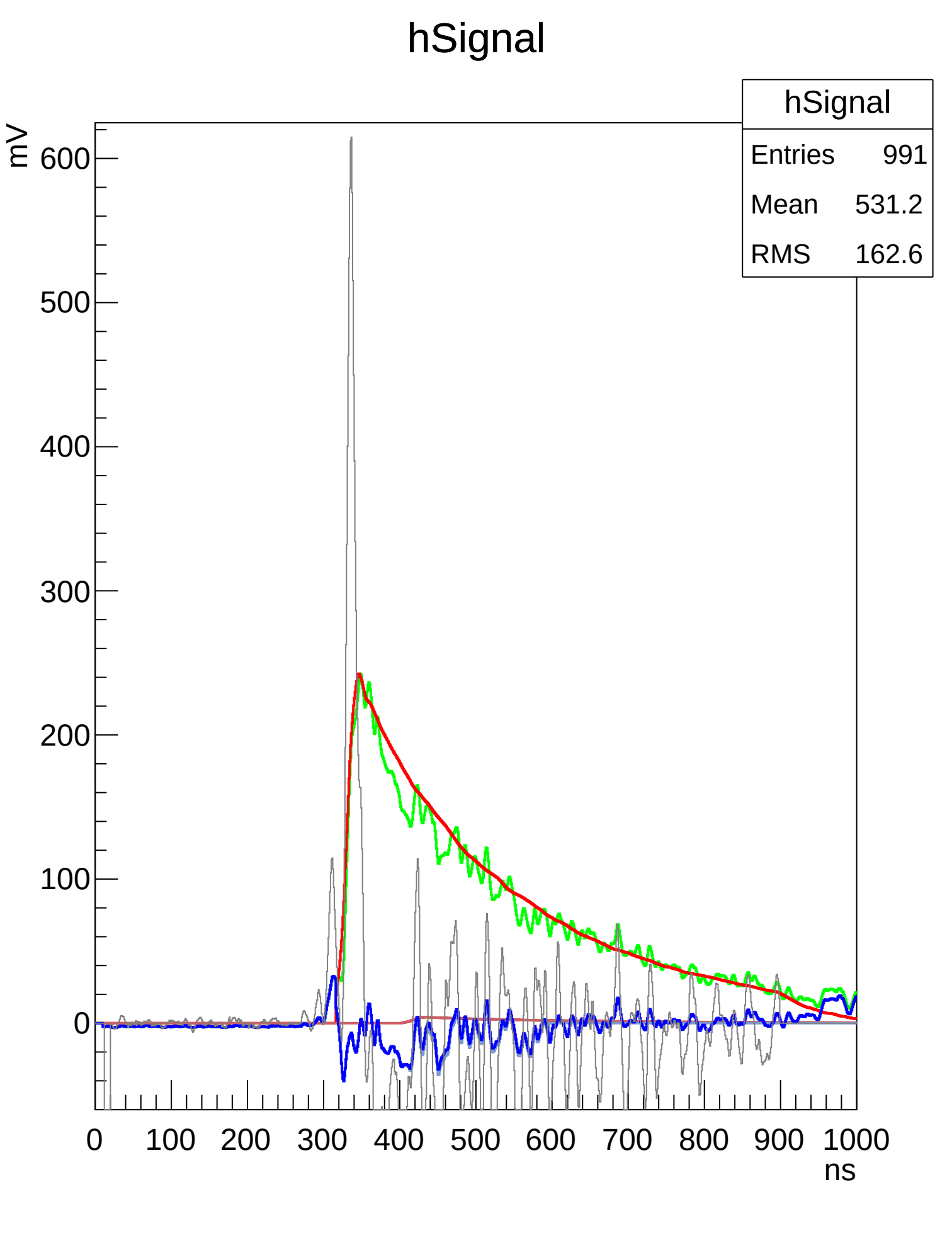

hSignal
hSignal
Entries 991
Mean 543.4
RMS 159.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

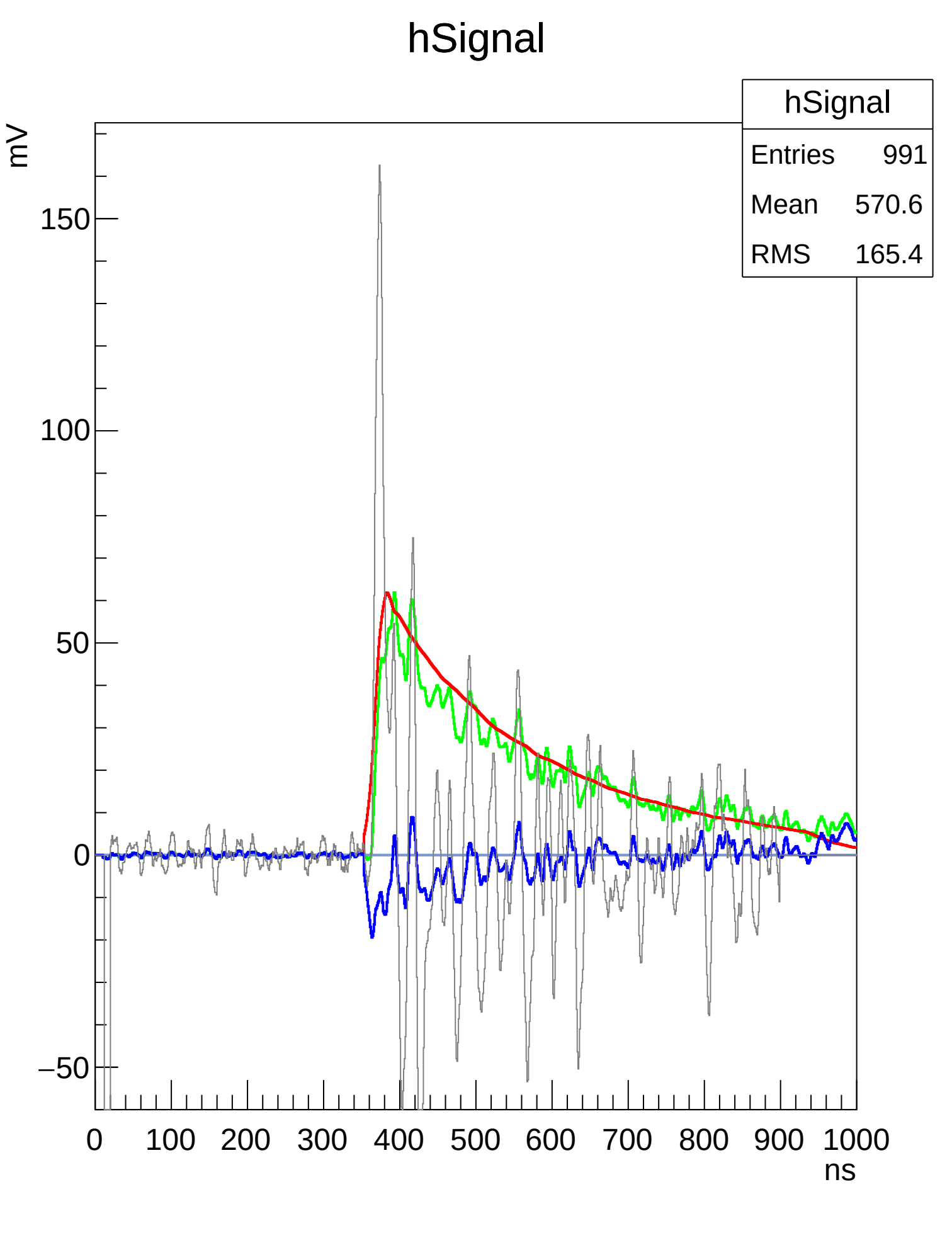

hSignal
hSignal
Entries 991
Mean 549.8
RMS 165.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

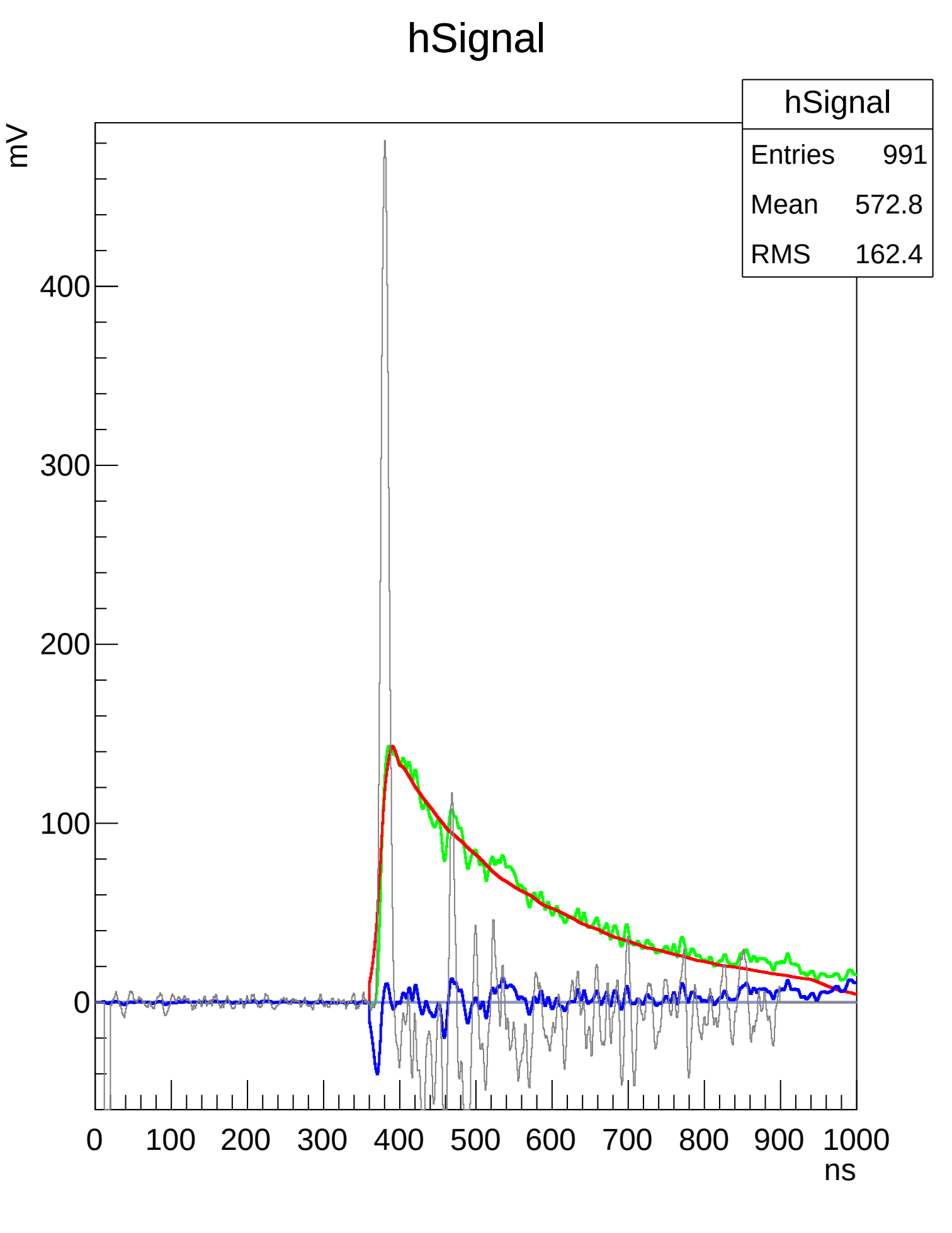

hSignal
hSignal
Entries 991
Mean 544.1
RMS 159.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

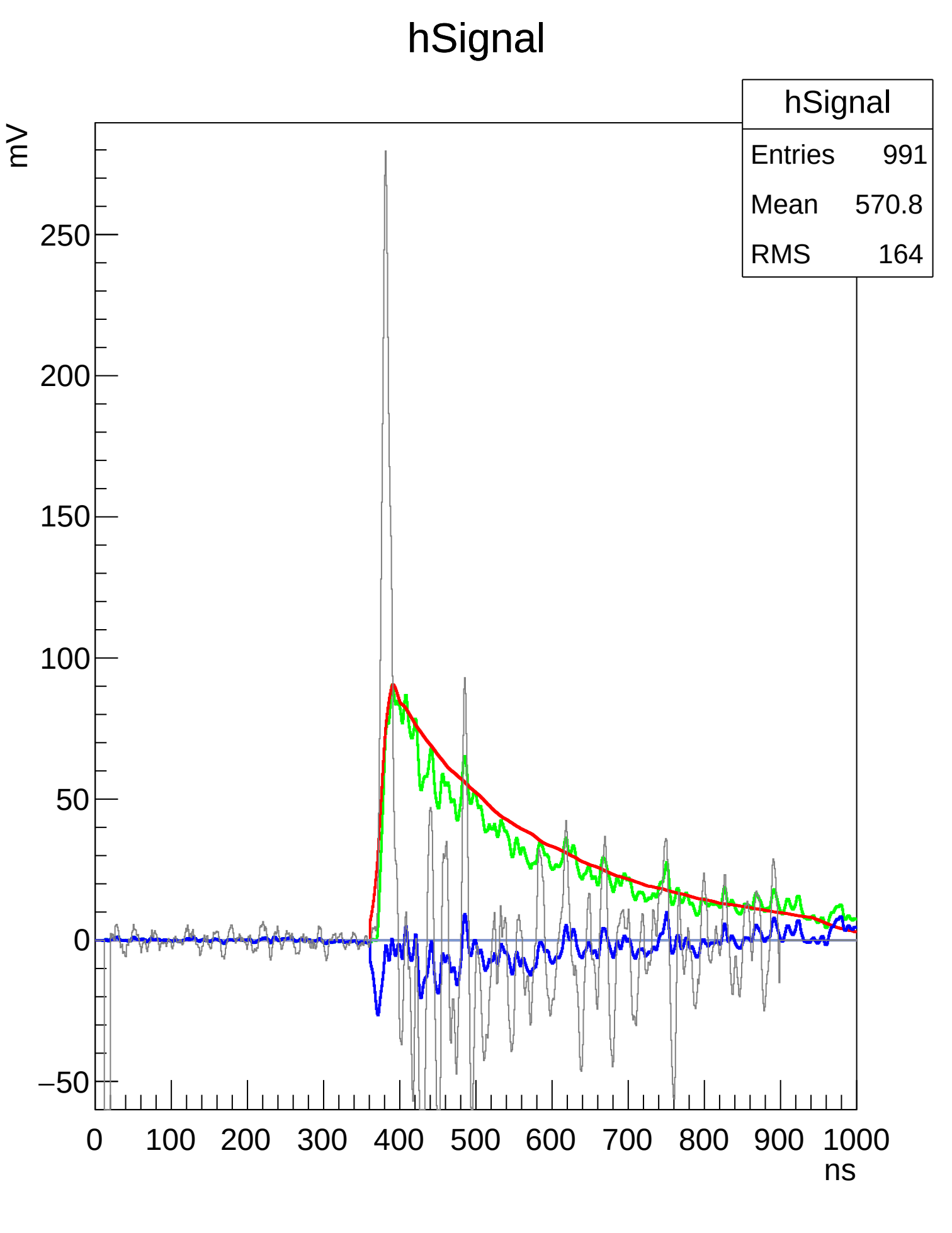

hSignal
hSignal
Entries 991
Mean 537.3
RMS 168.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

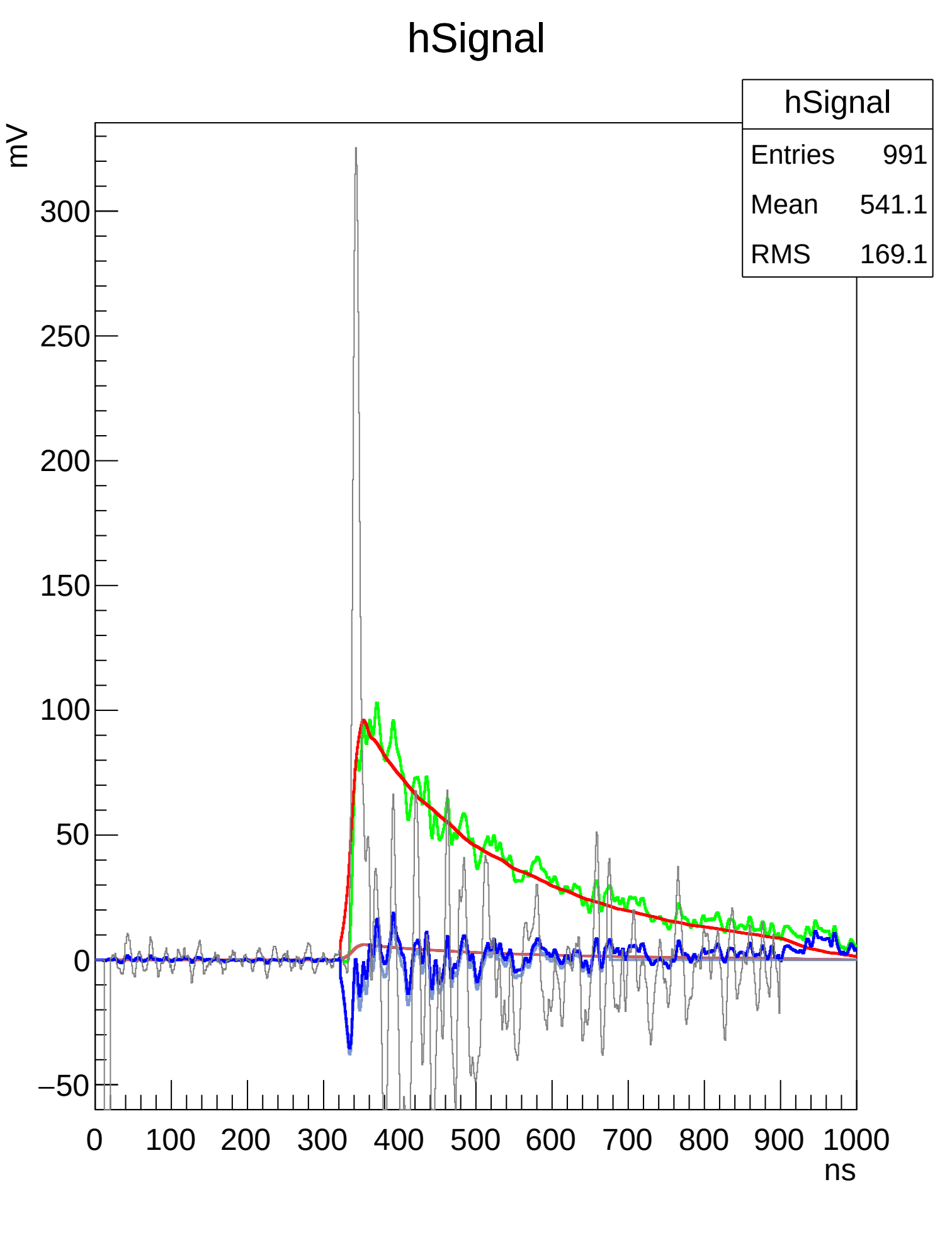

hSignal
hSignal
Entries 991
Mean 536.9
RMS 170.1
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

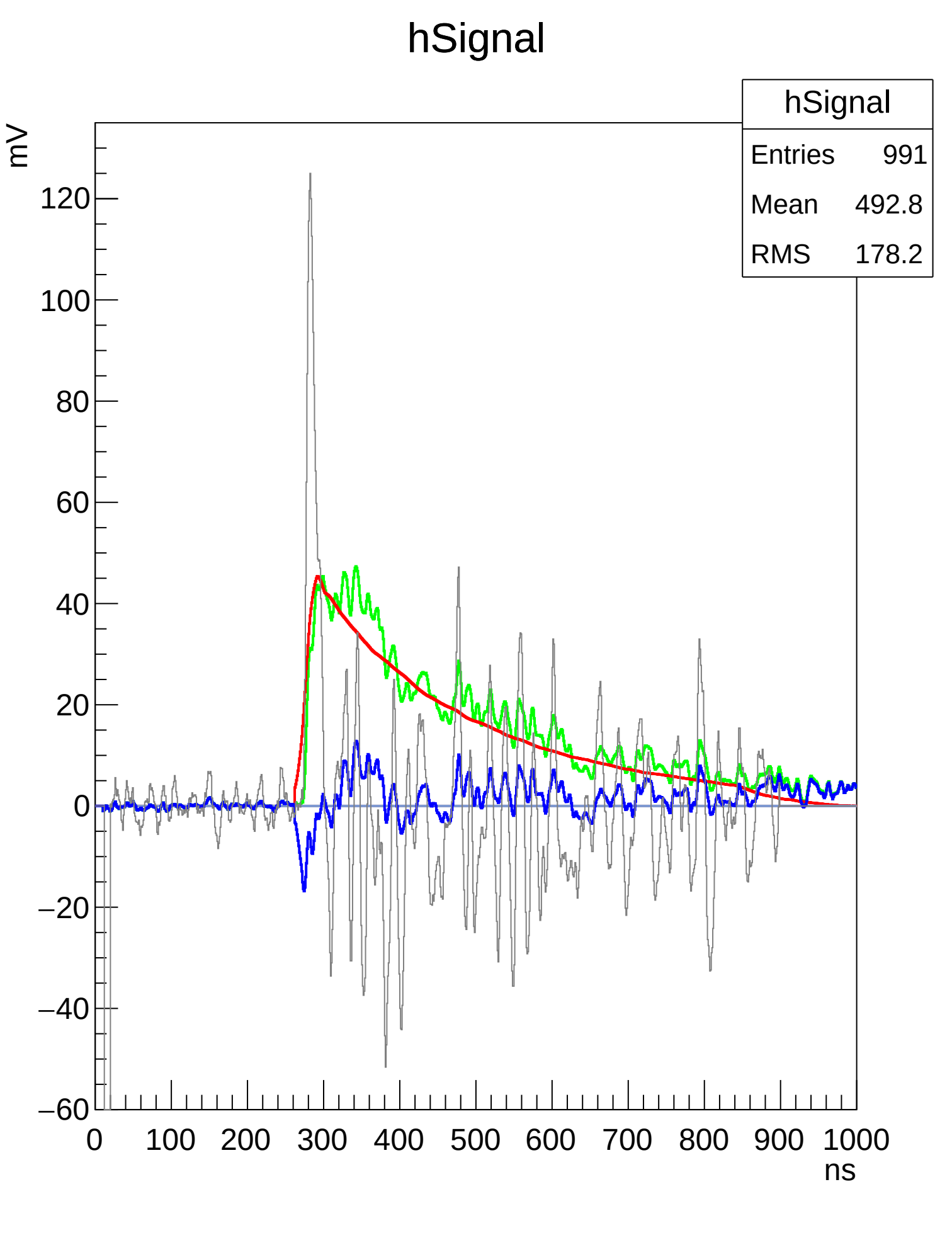

hSignal
hSignal
Entries 991
Mean 531.2
RMS 162.6
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

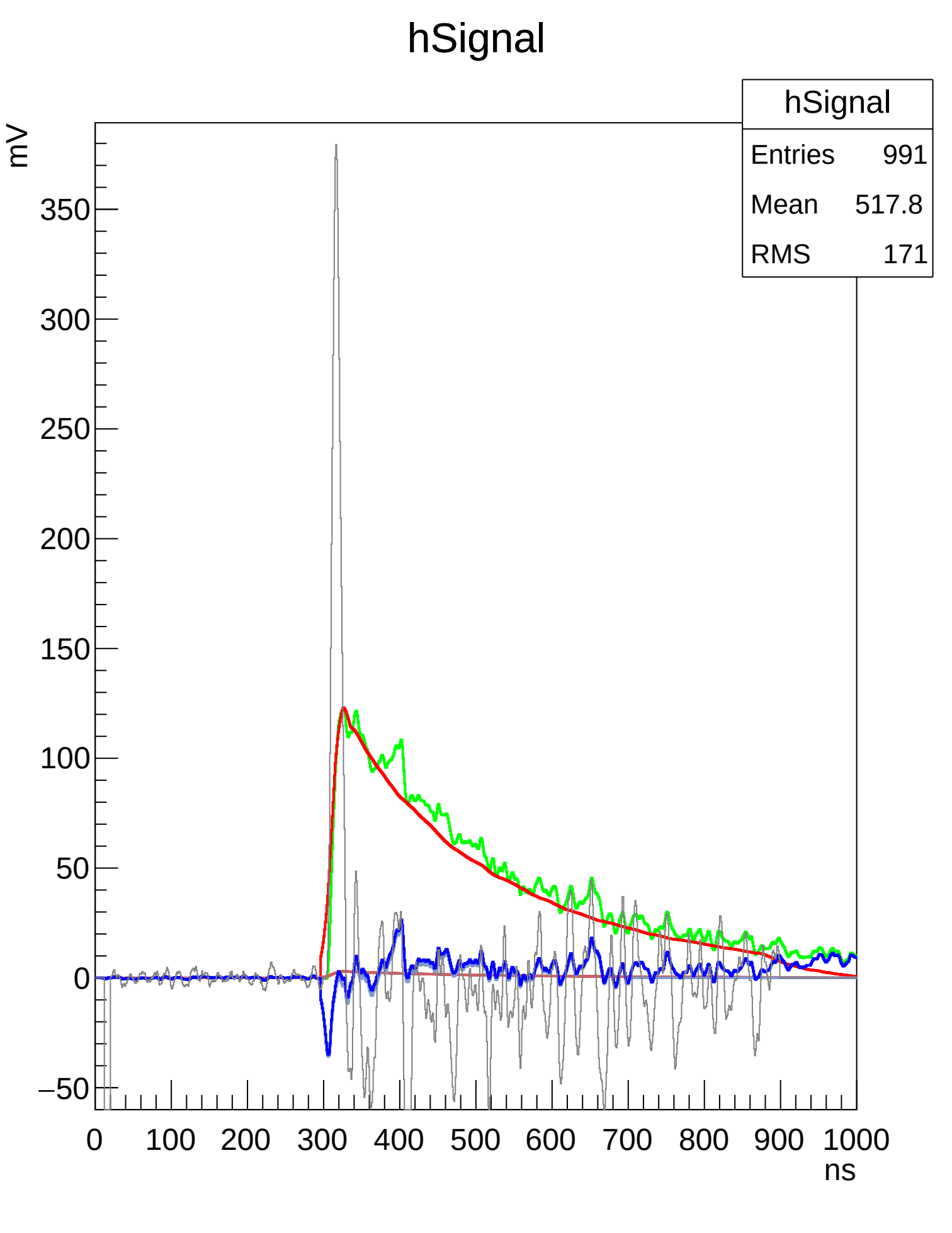

hSignal
hSignal
Entries 991
Mean 570.6
RMS 165.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

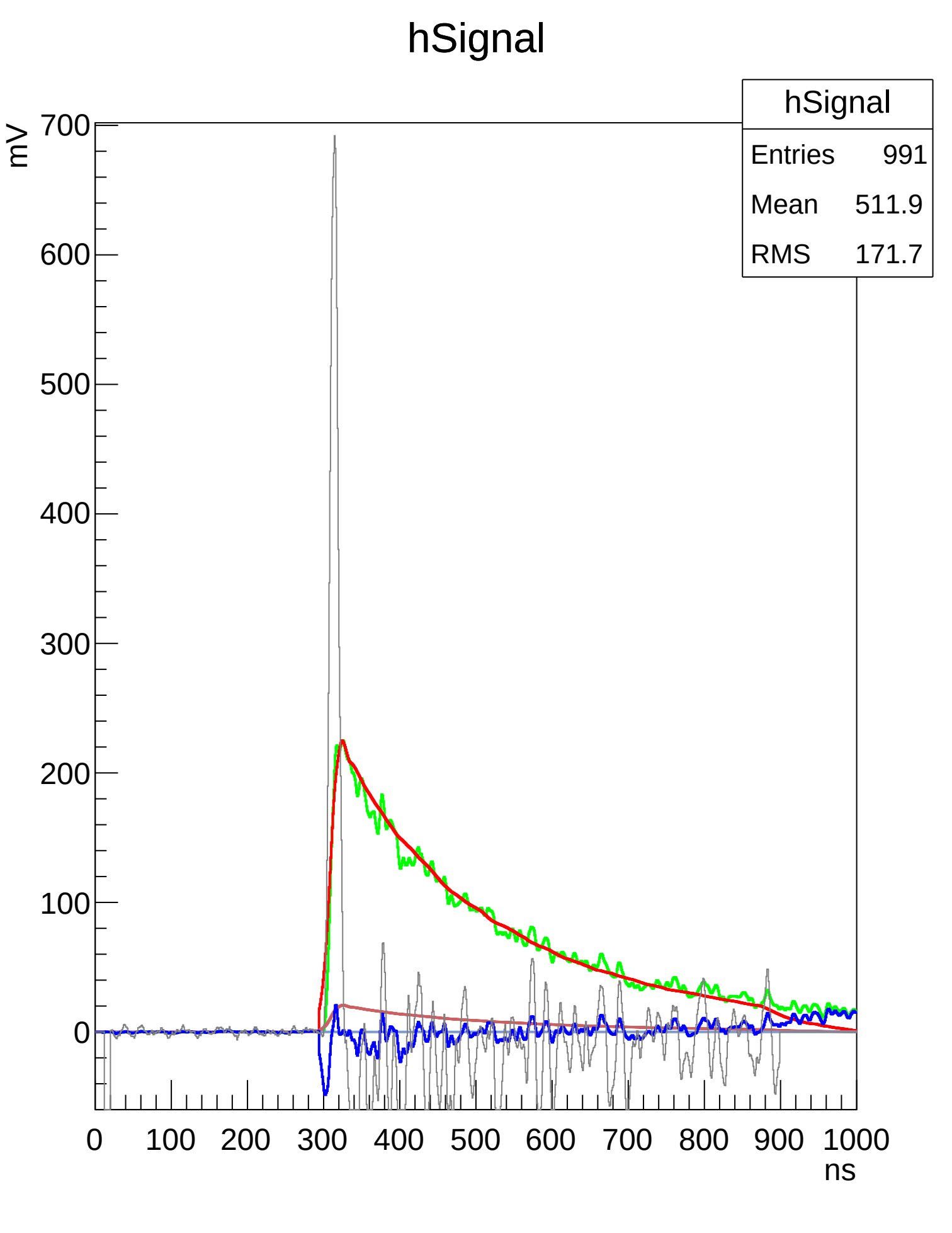

hSignal
hSignal
Entries 991
Mean 572.8
RMS 162.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

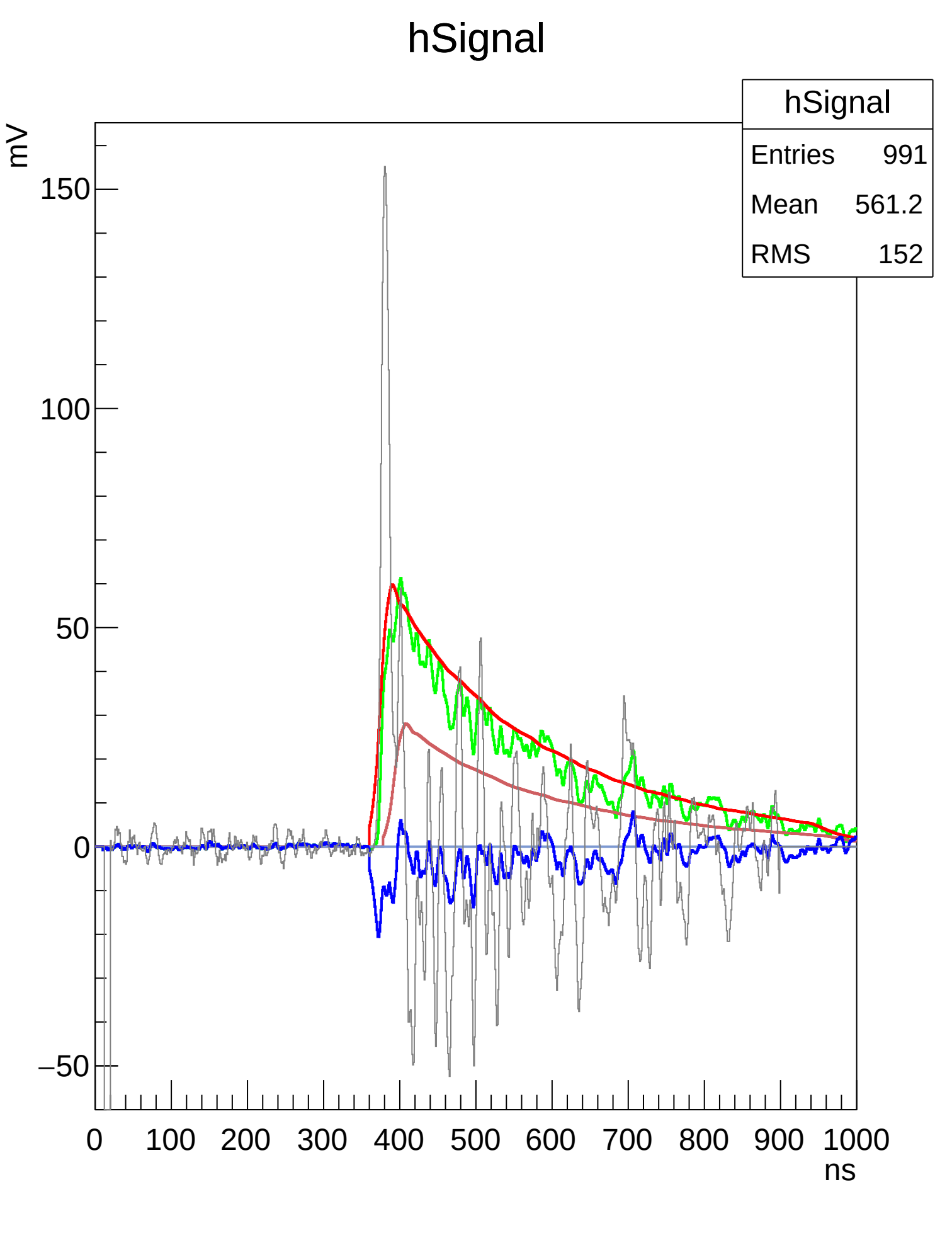

hSignal
hSignal
Entries 991
Mean 570.8
RMS 164
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

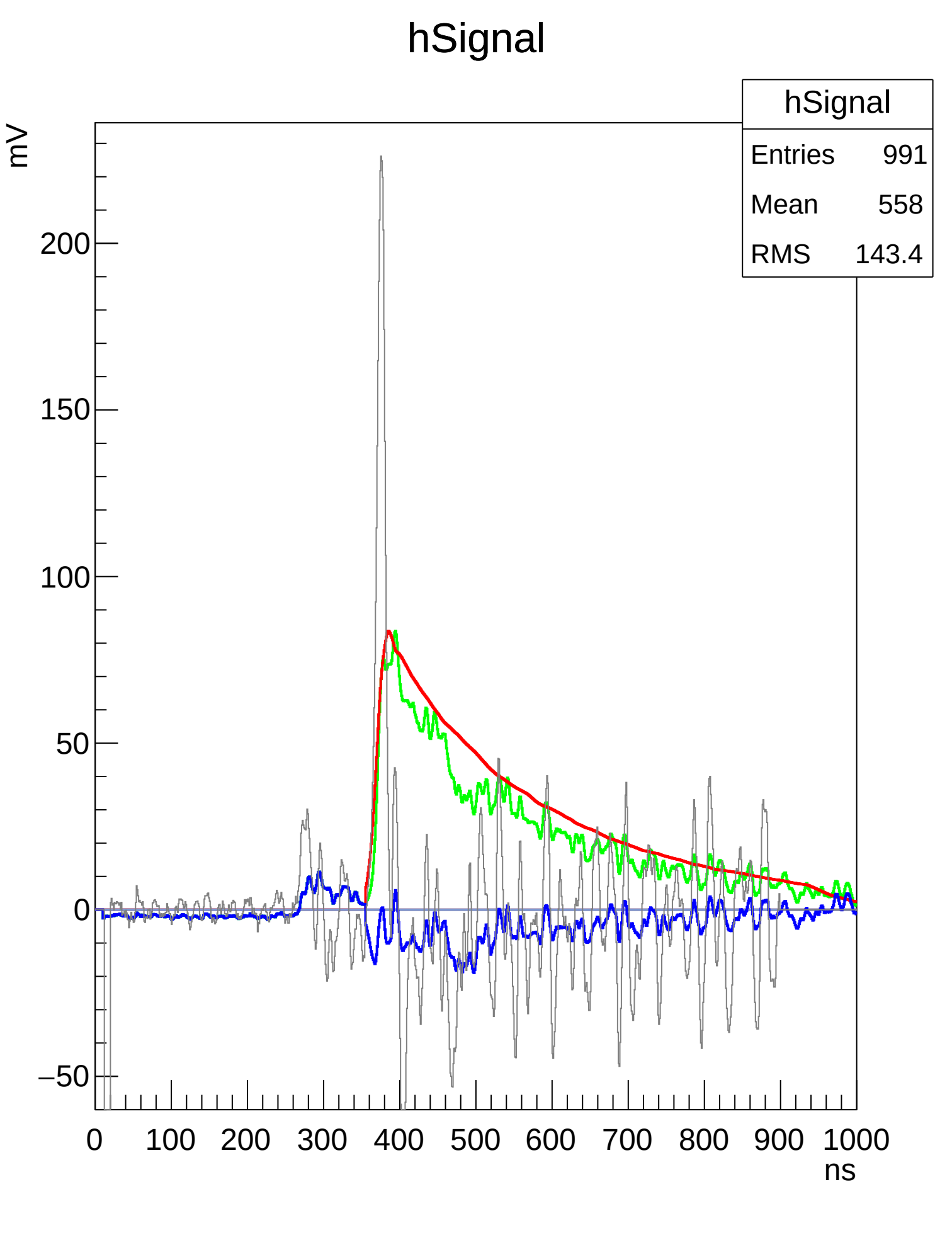

hSignal
hSignal
Entries 991
Mean 541.1
RMS 169.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

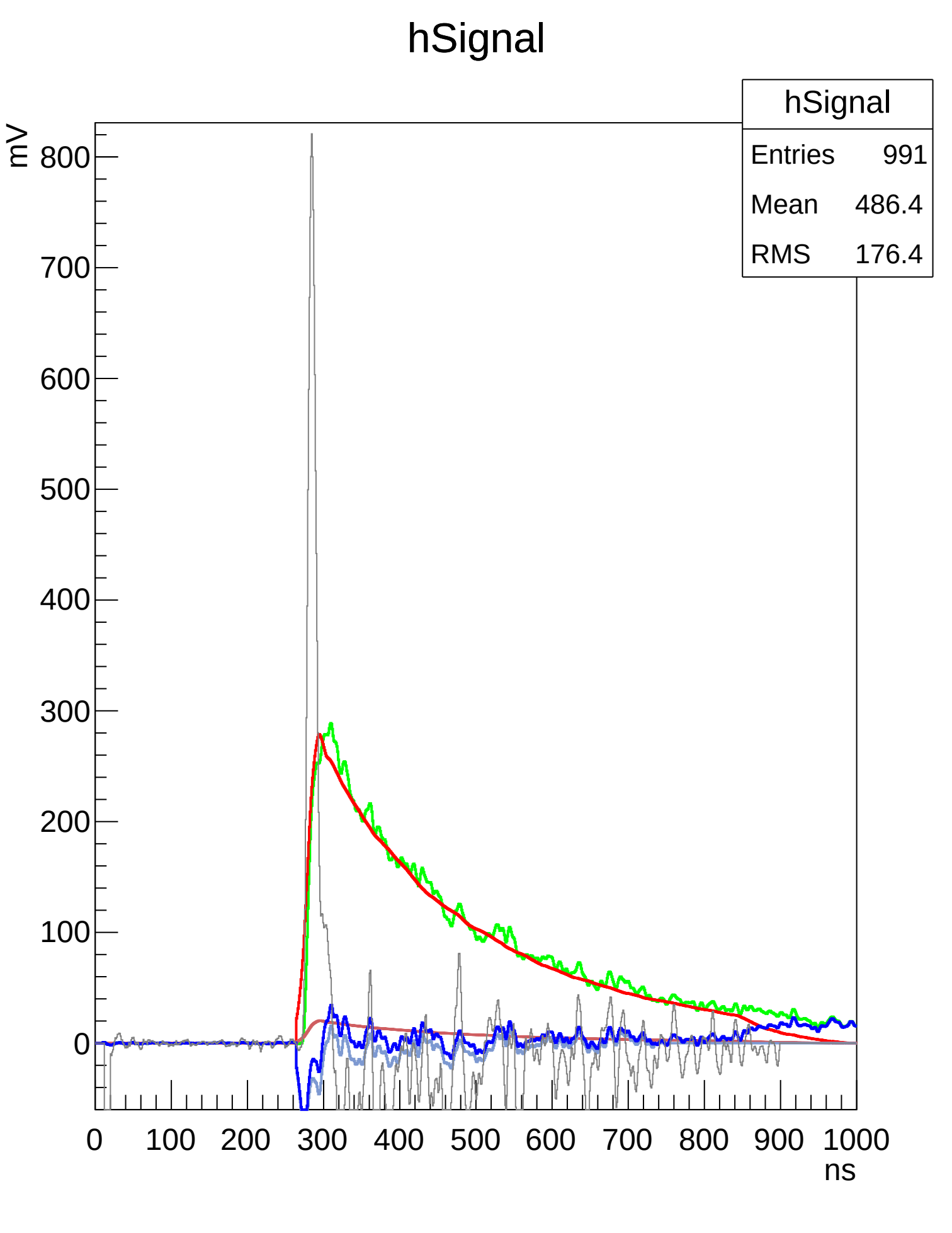

hSignal
hSignal
Entries 991
Mean 492.8
RMS 178.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

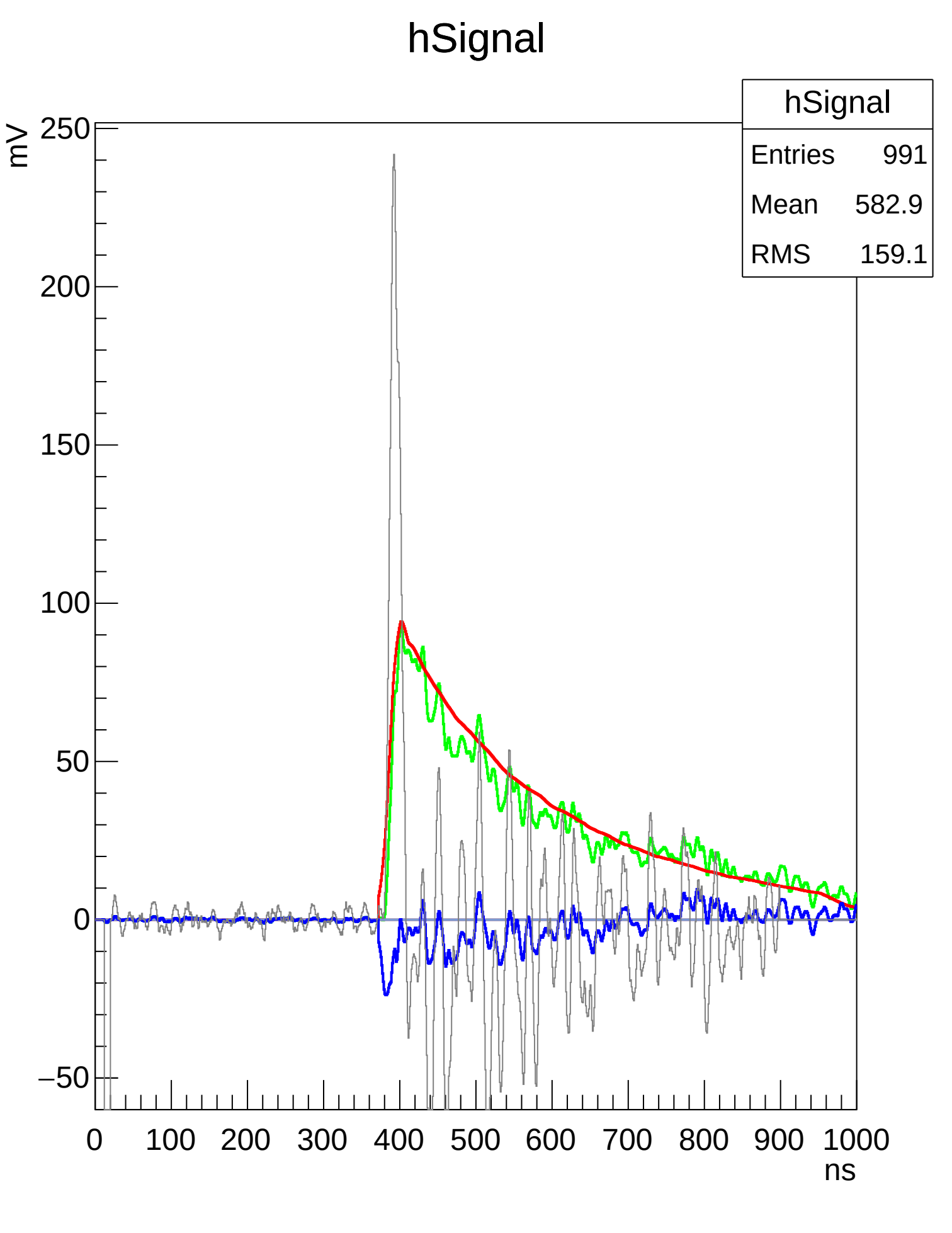

hSignal
hSignal
Entries 991
Mean 517.8
RMS 171
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

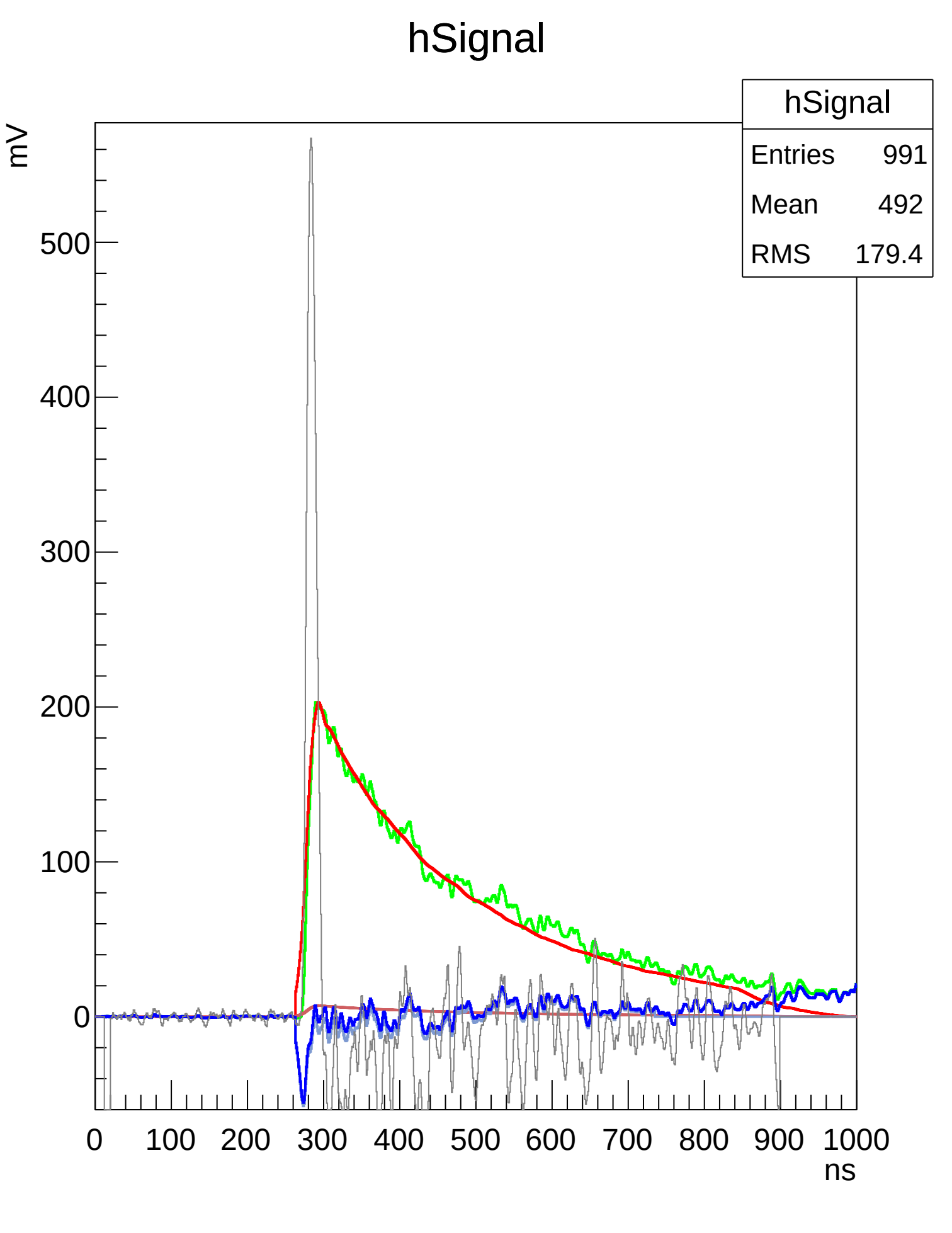

hSignal
hSignal
Entries 991
Mean 511.9
RMS 171.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

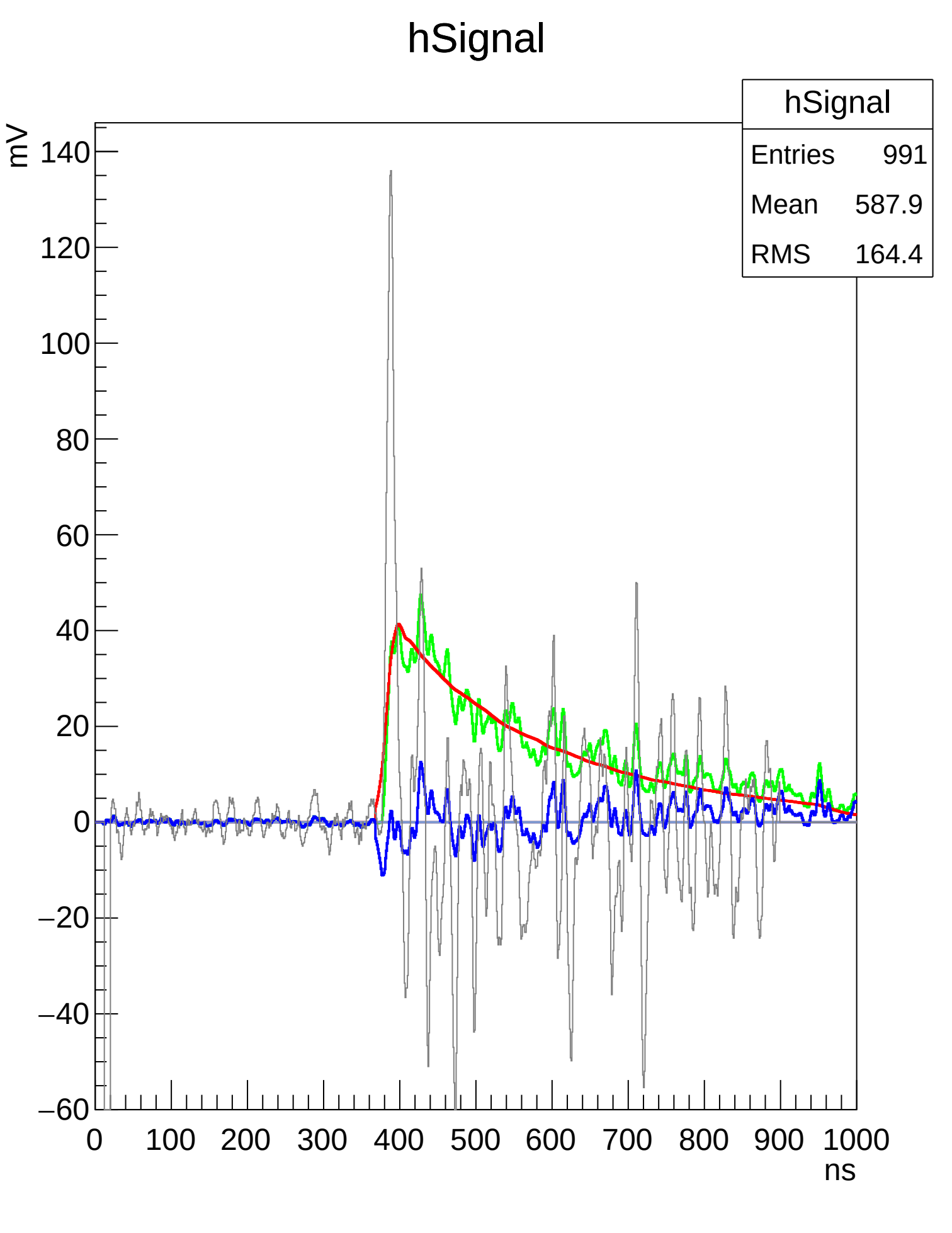

hSignal
hSignal
Entries 991
Mean 561.2
RMS 152
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

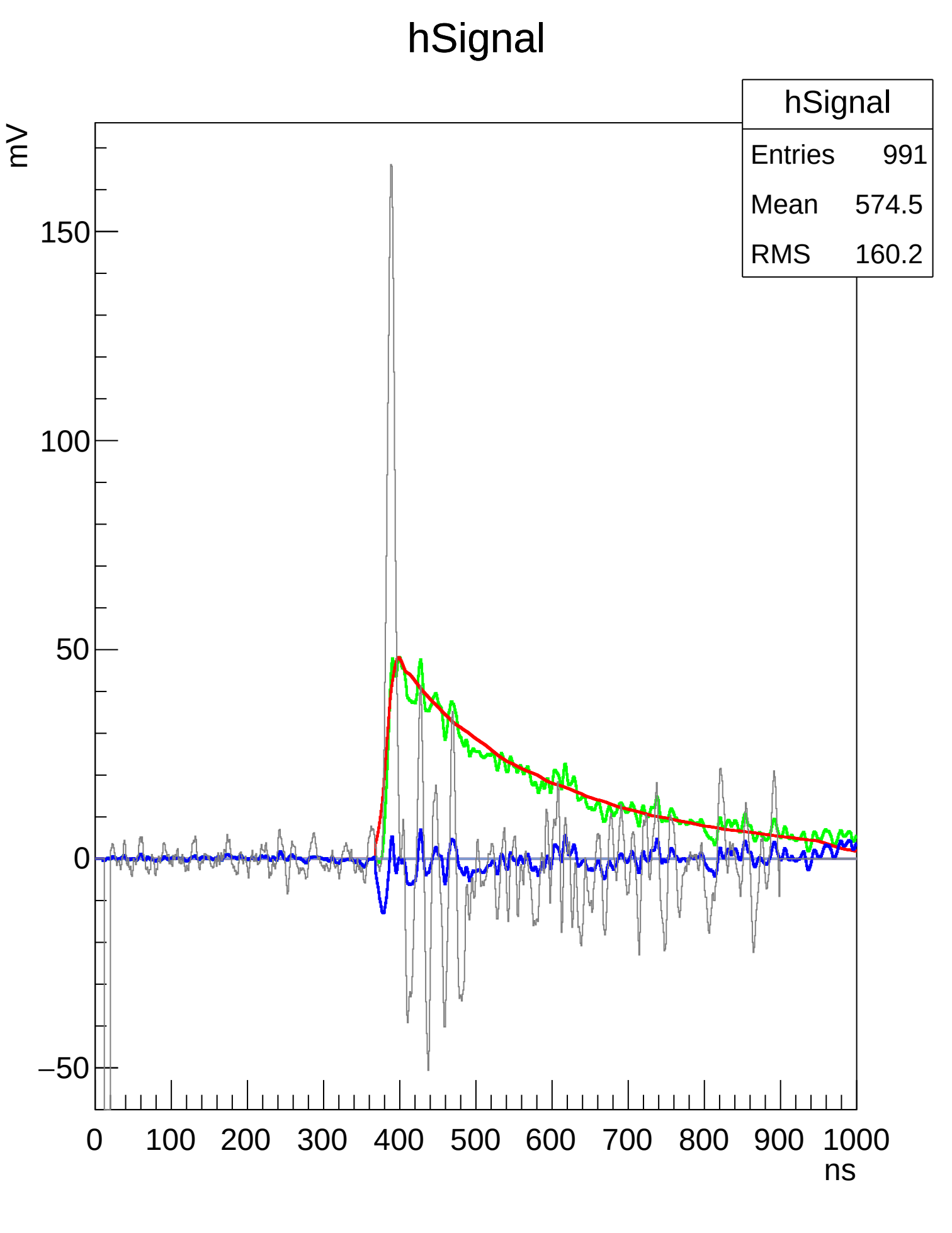

hSignal
hSignal
Entries 991
Mean 558
RMS 143.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

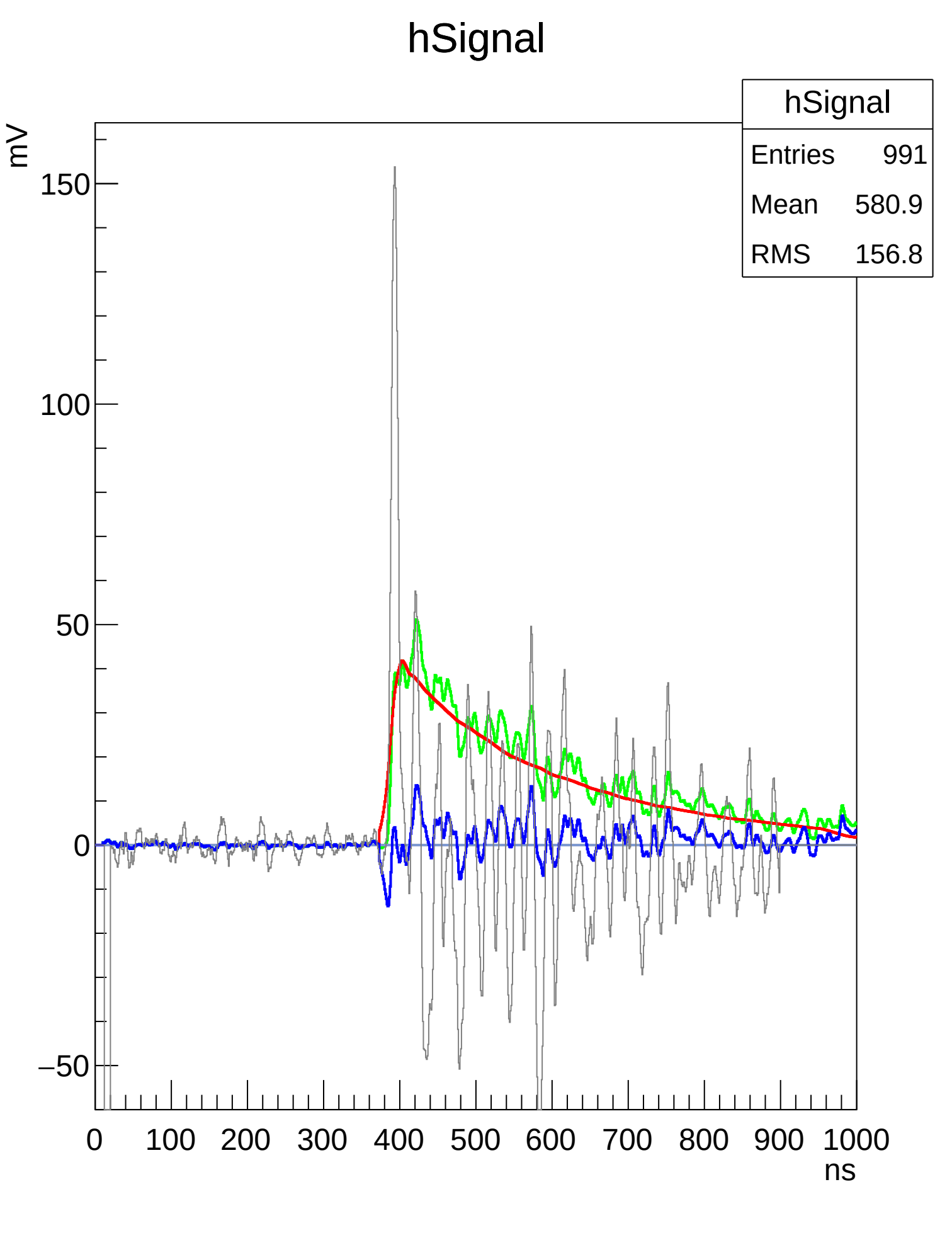

hSignal
hSignal
Entries 991
Mean 486.4
RMS 176.4
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

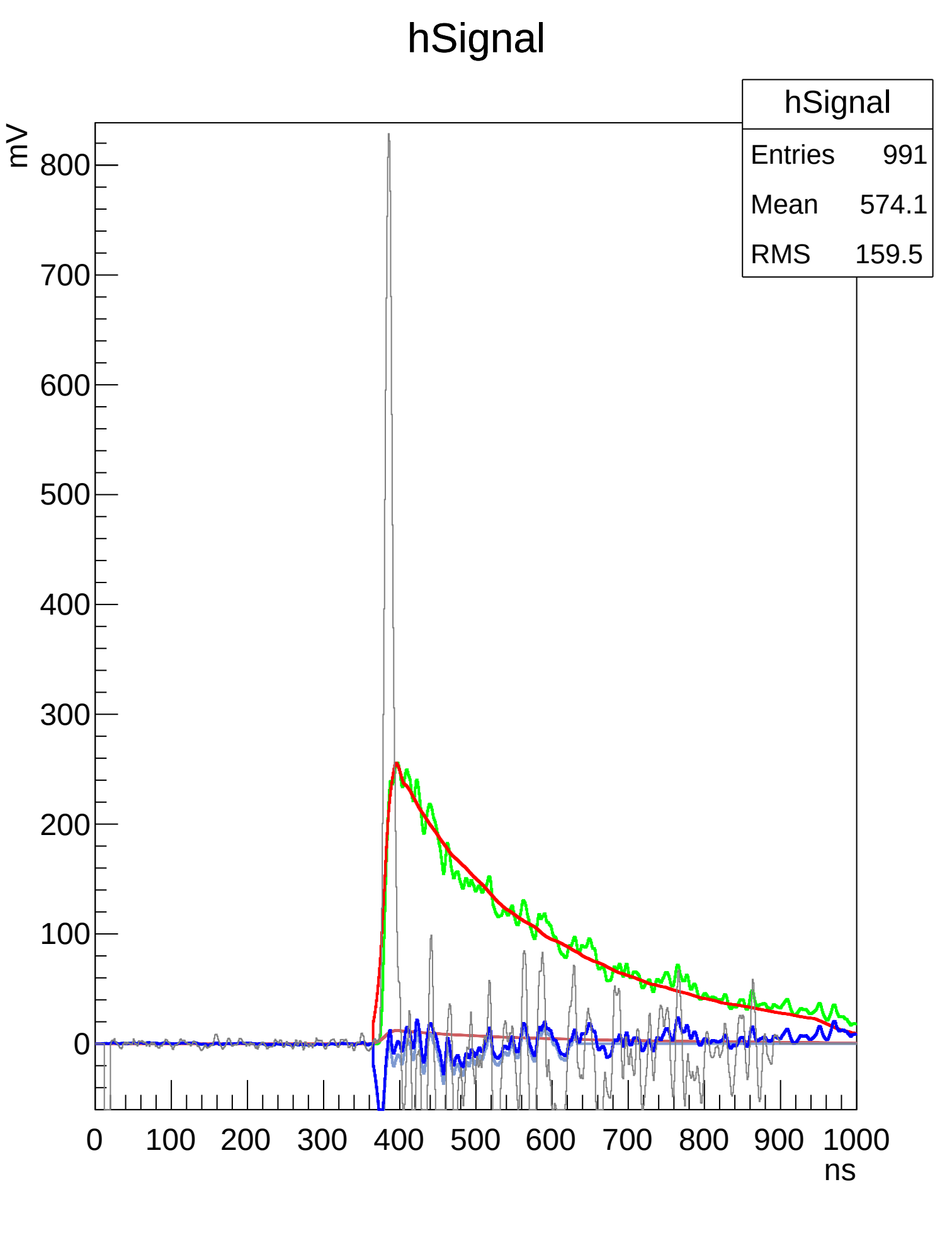

hSignal
hSignal
Entries 991
Mean 582.9
RMS 159.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

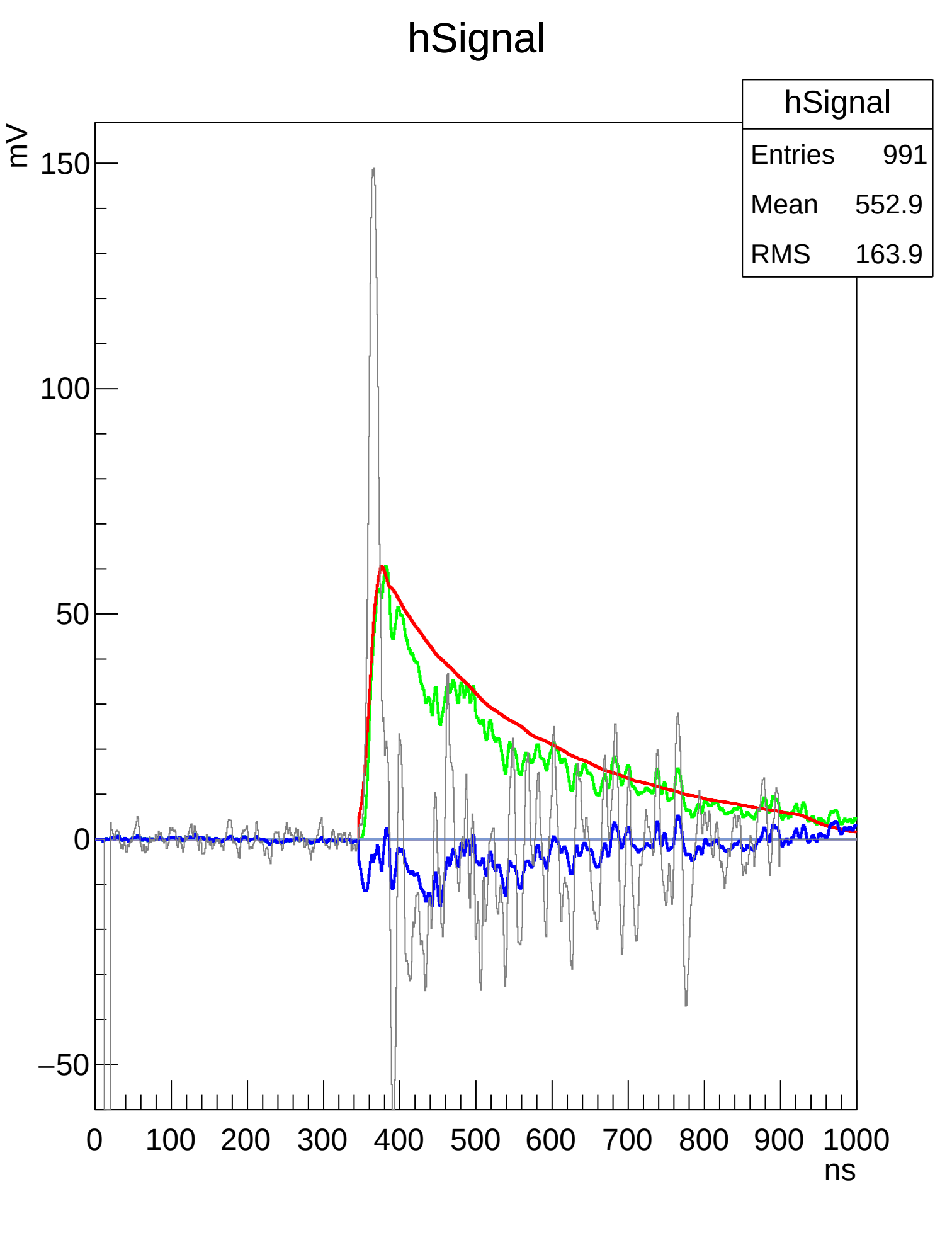

hSignal
hSignal
Entries 991
Mean 492
RMS 179.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

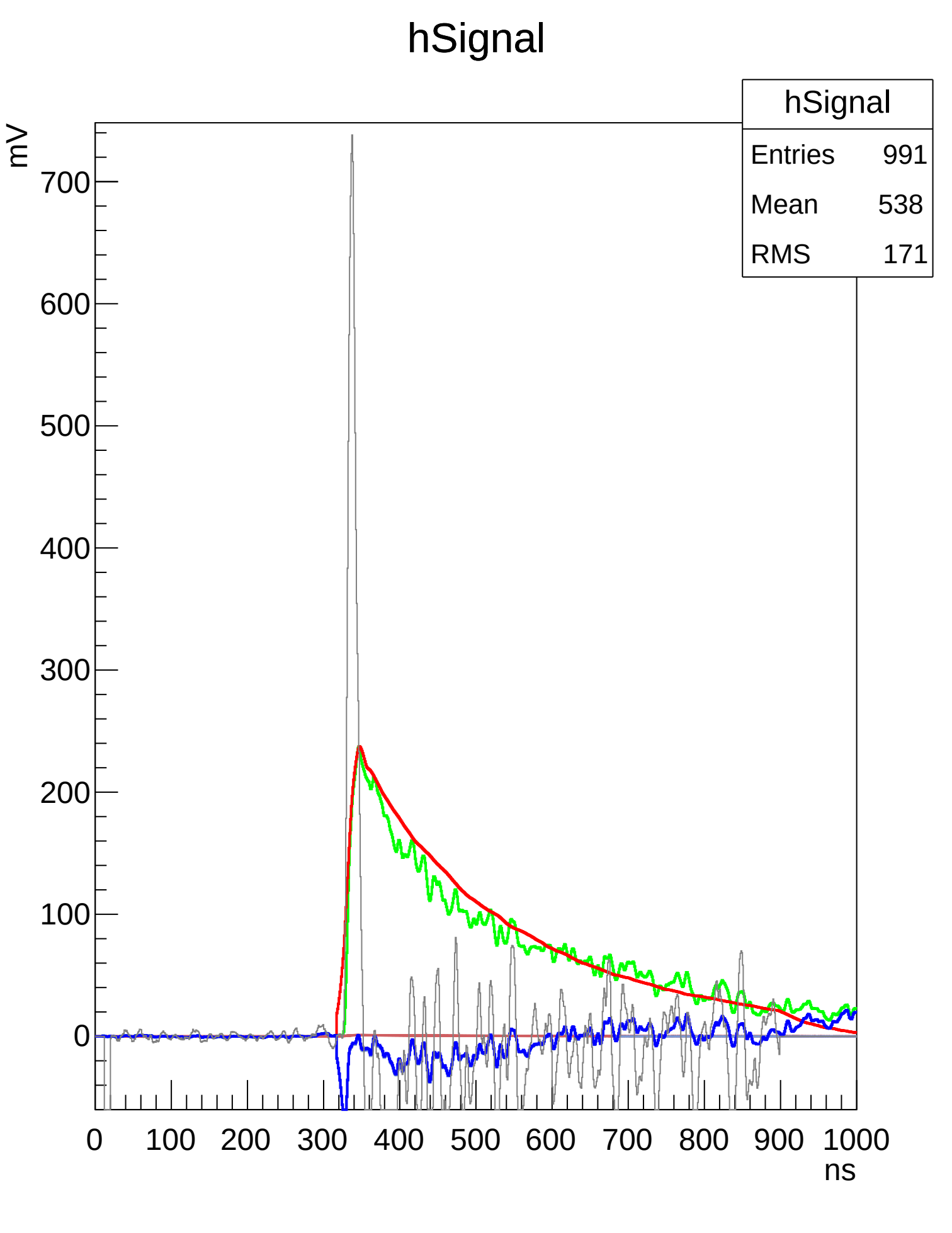

hSignal
hSignal
Entries 991
Mean 587.9
RMS 164.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

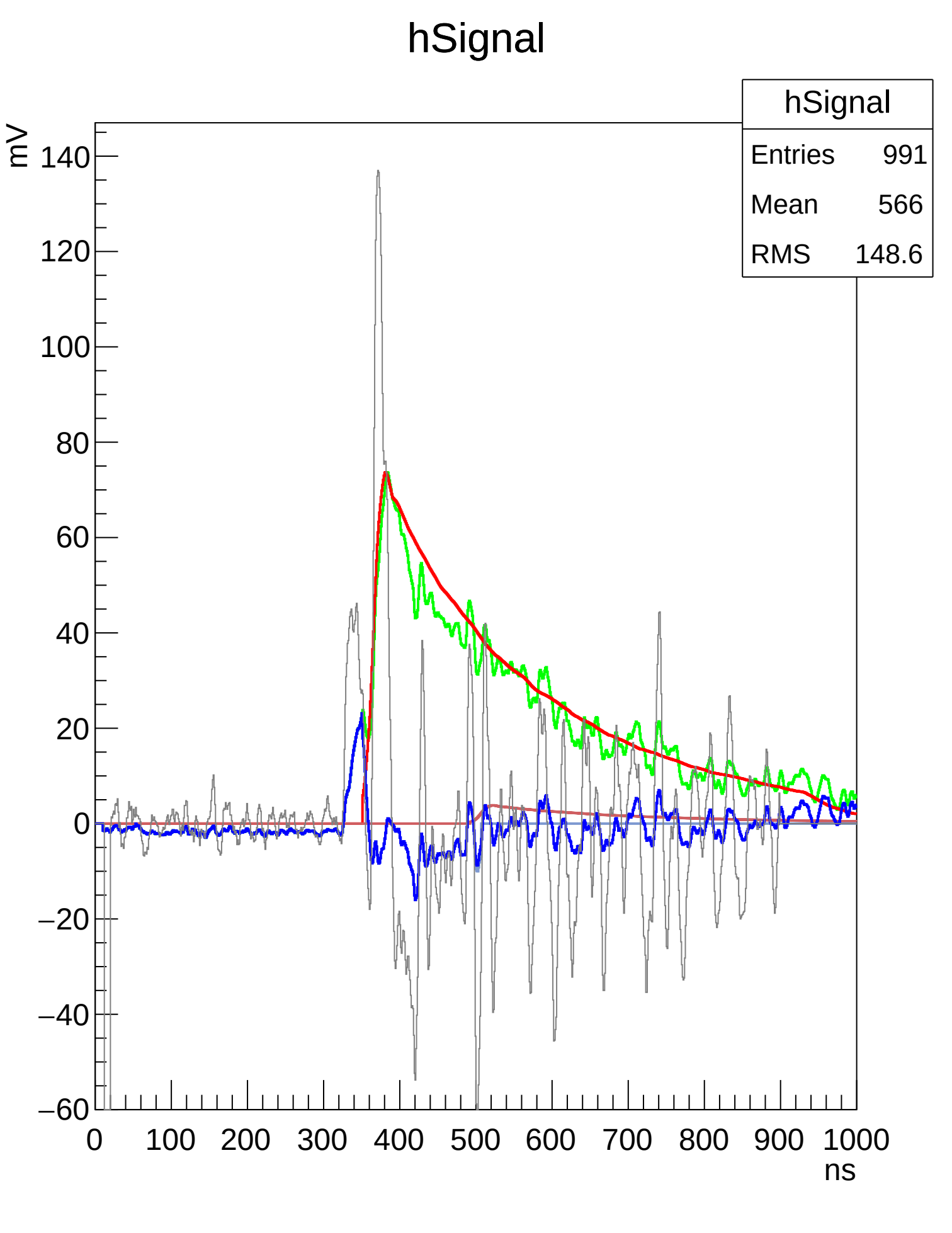

hSignal
hSignal
Entries 991
Mean 574.5
RMS 160.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

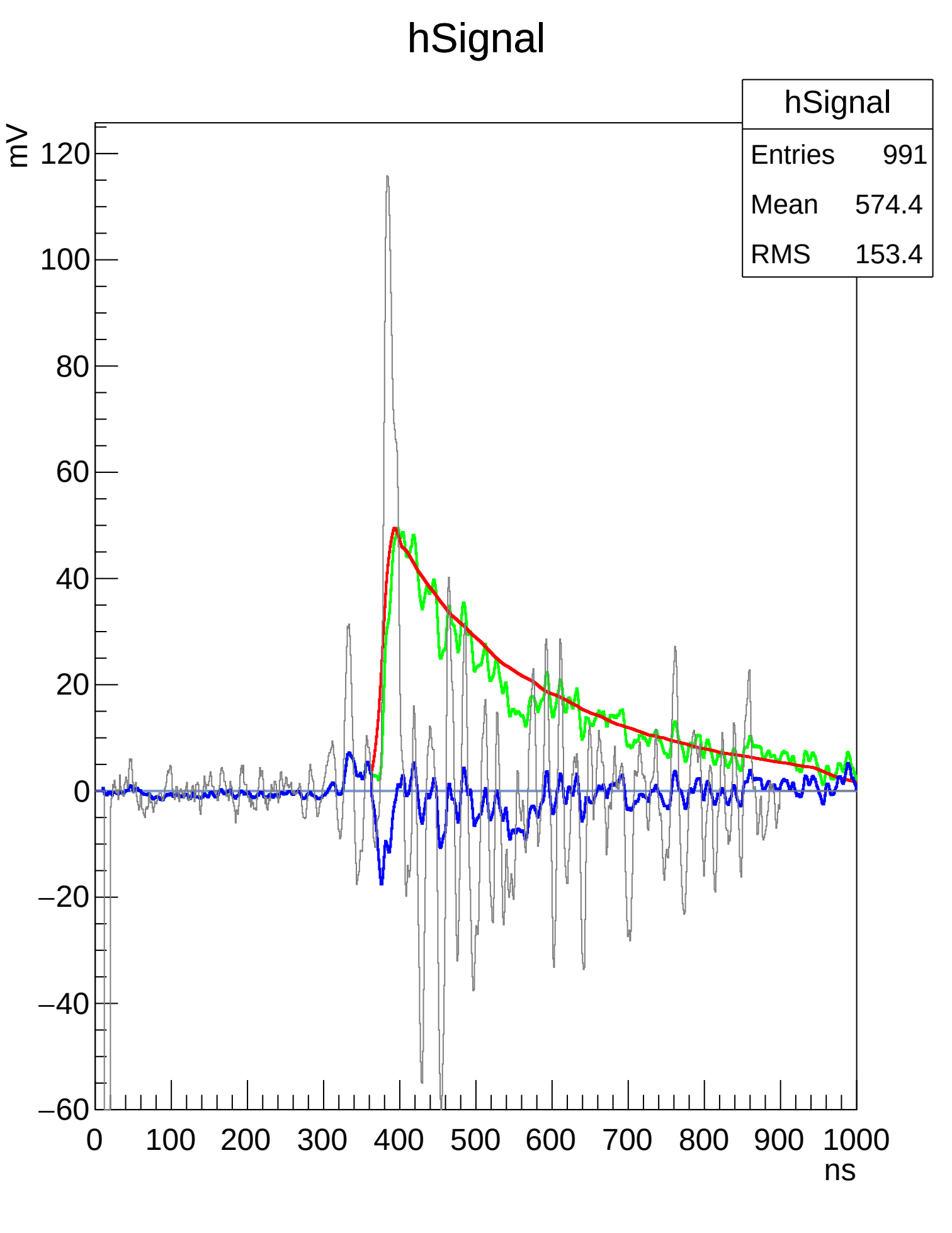

hSignal
hSignal
Entries 991
Mean 580.9
RMS 156.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

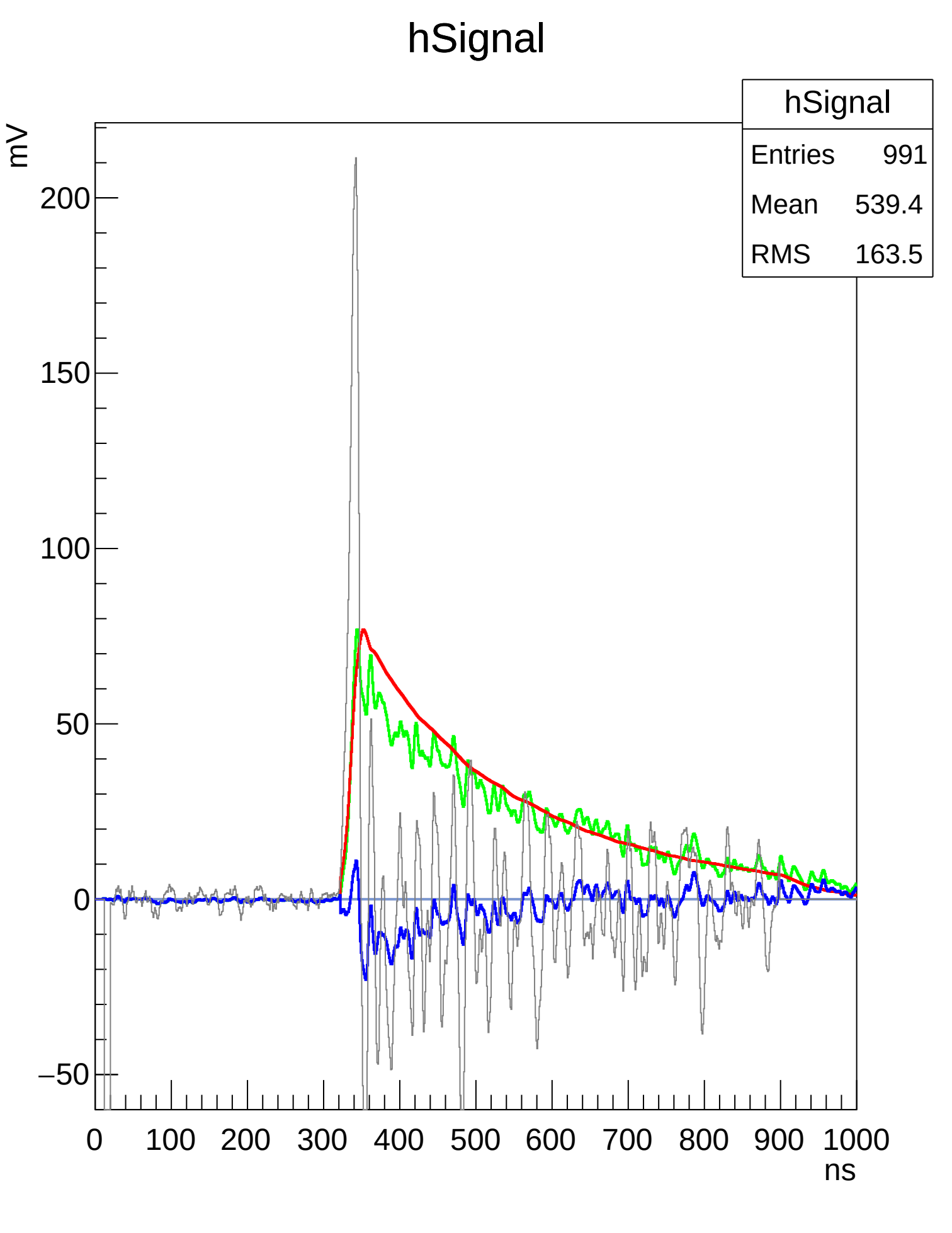

hSignal
hSignal
Entries 991
Mean 574.1
RMS 159.5
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

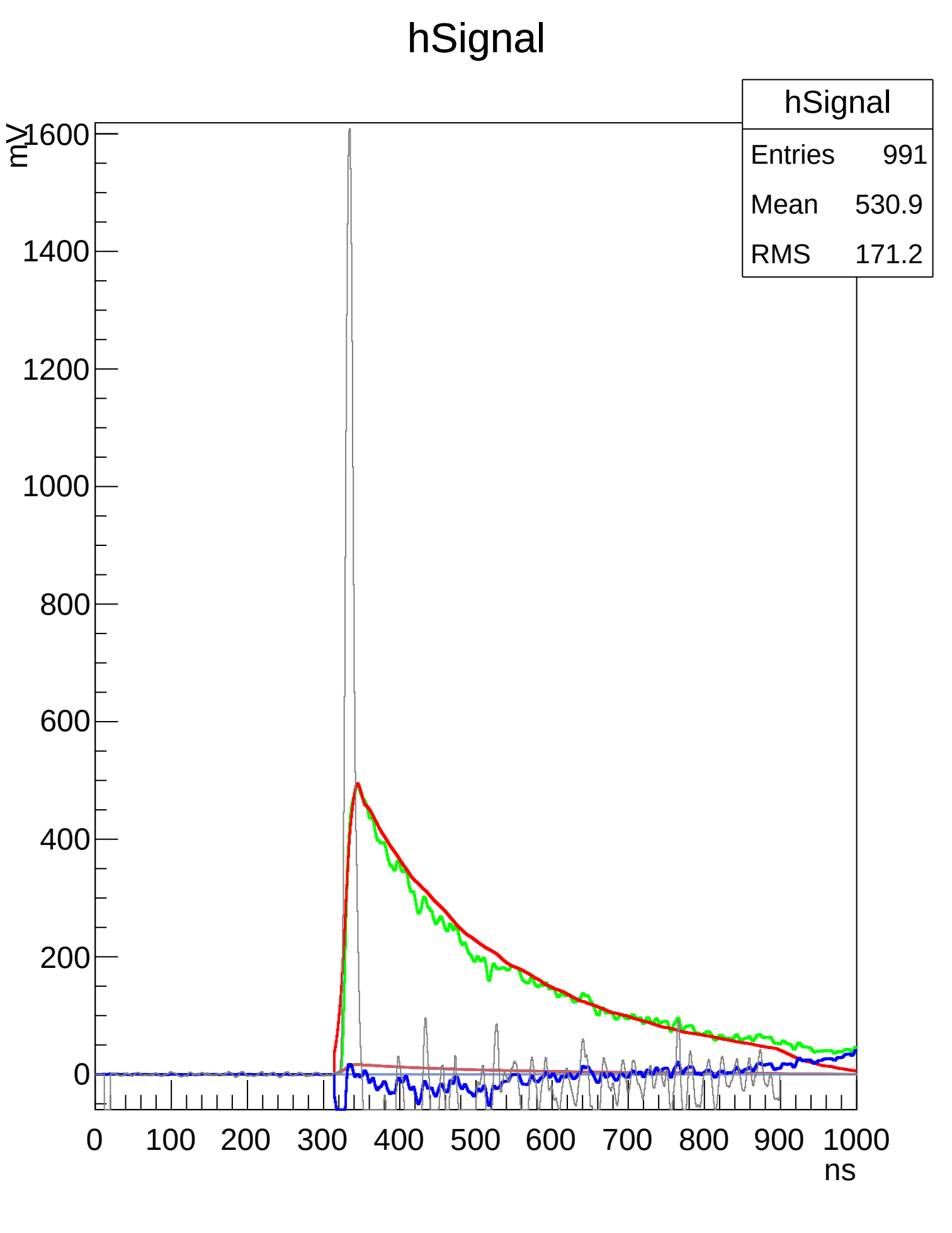

hSignal
hSignal
Entries 991
Mean 552.9
RMS 163.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

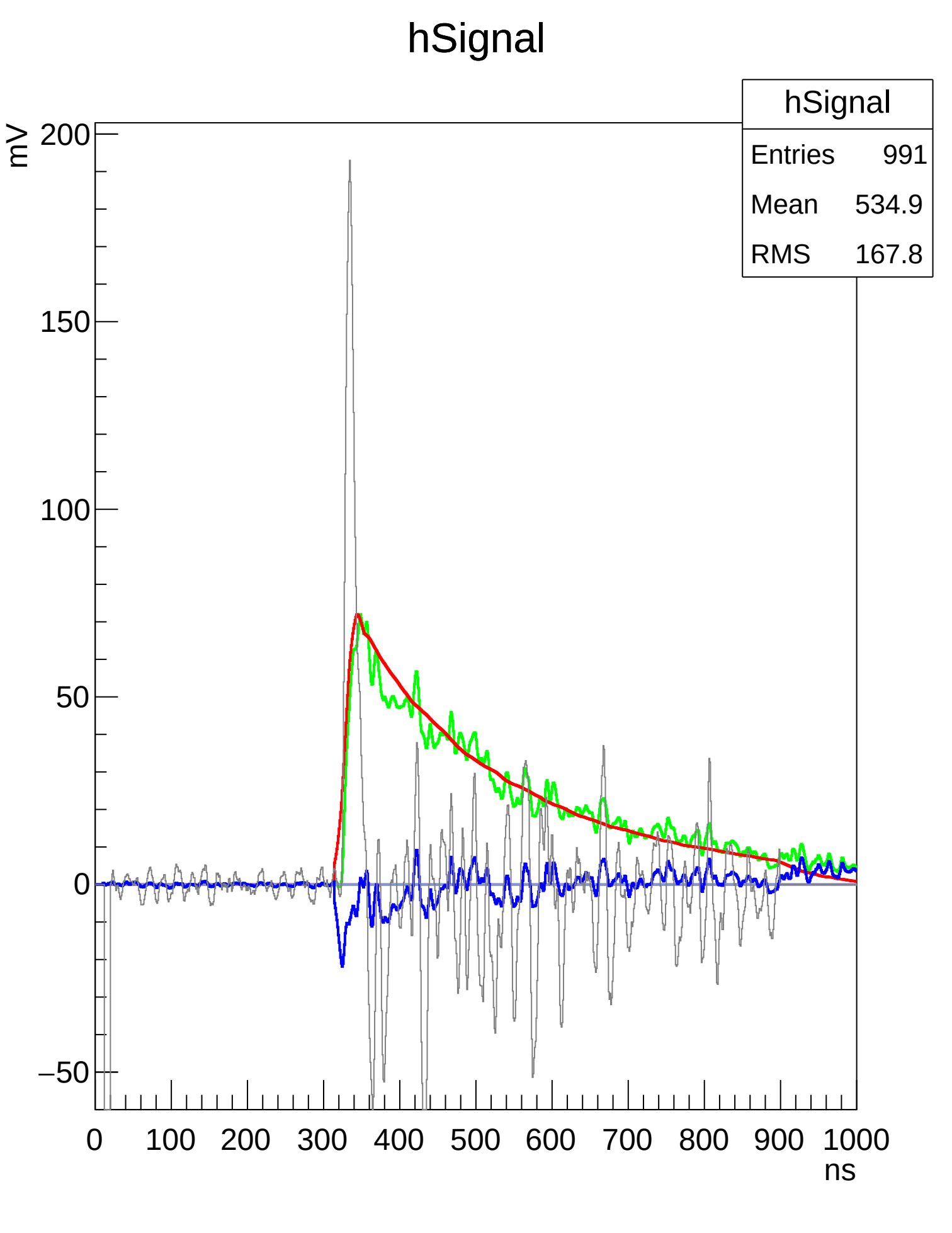

hSignal
hSignal
Entries 991
Mean 538
RMS 171
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

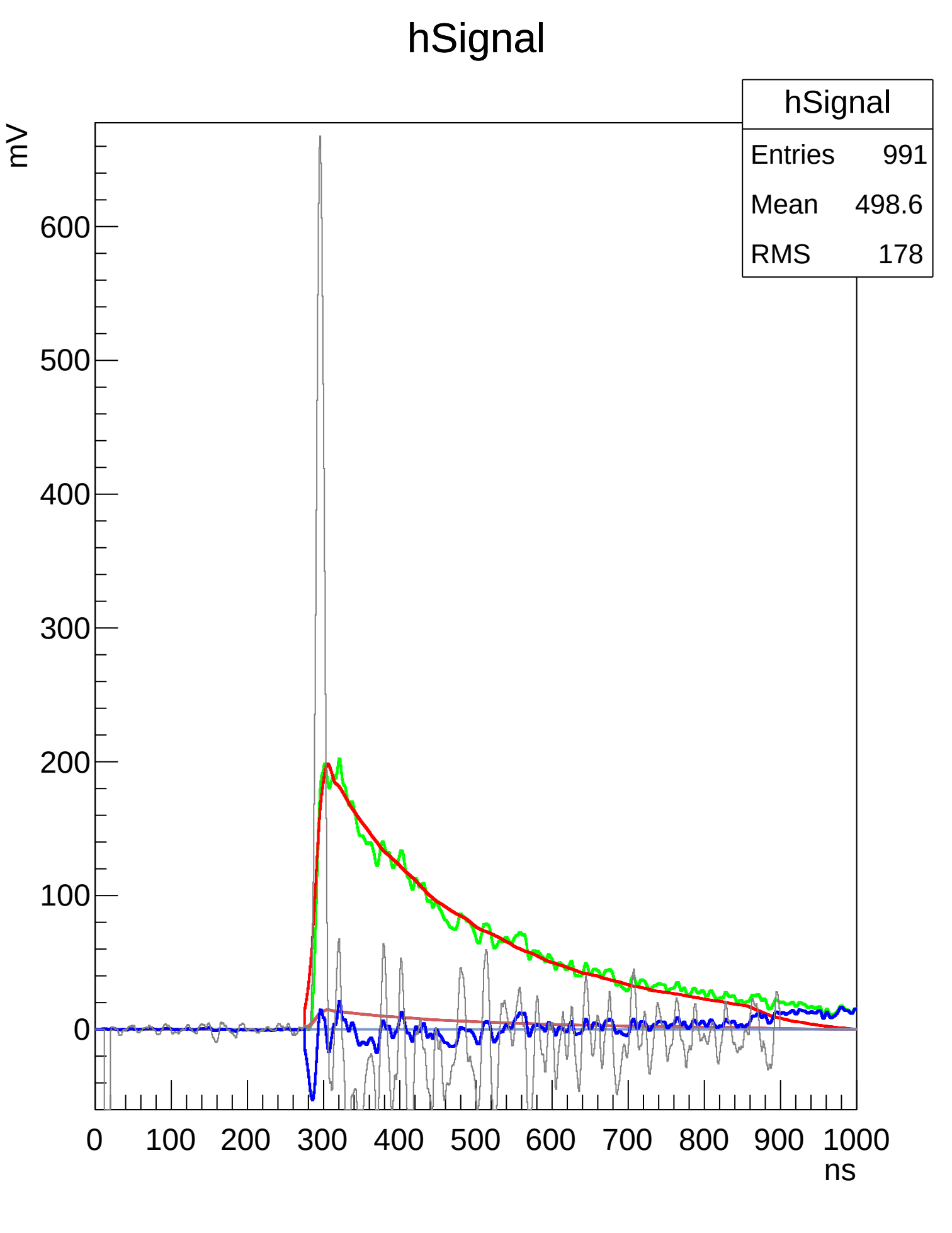

hSignal
hSignal
Entries 991
Mean 566
RMS 148.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

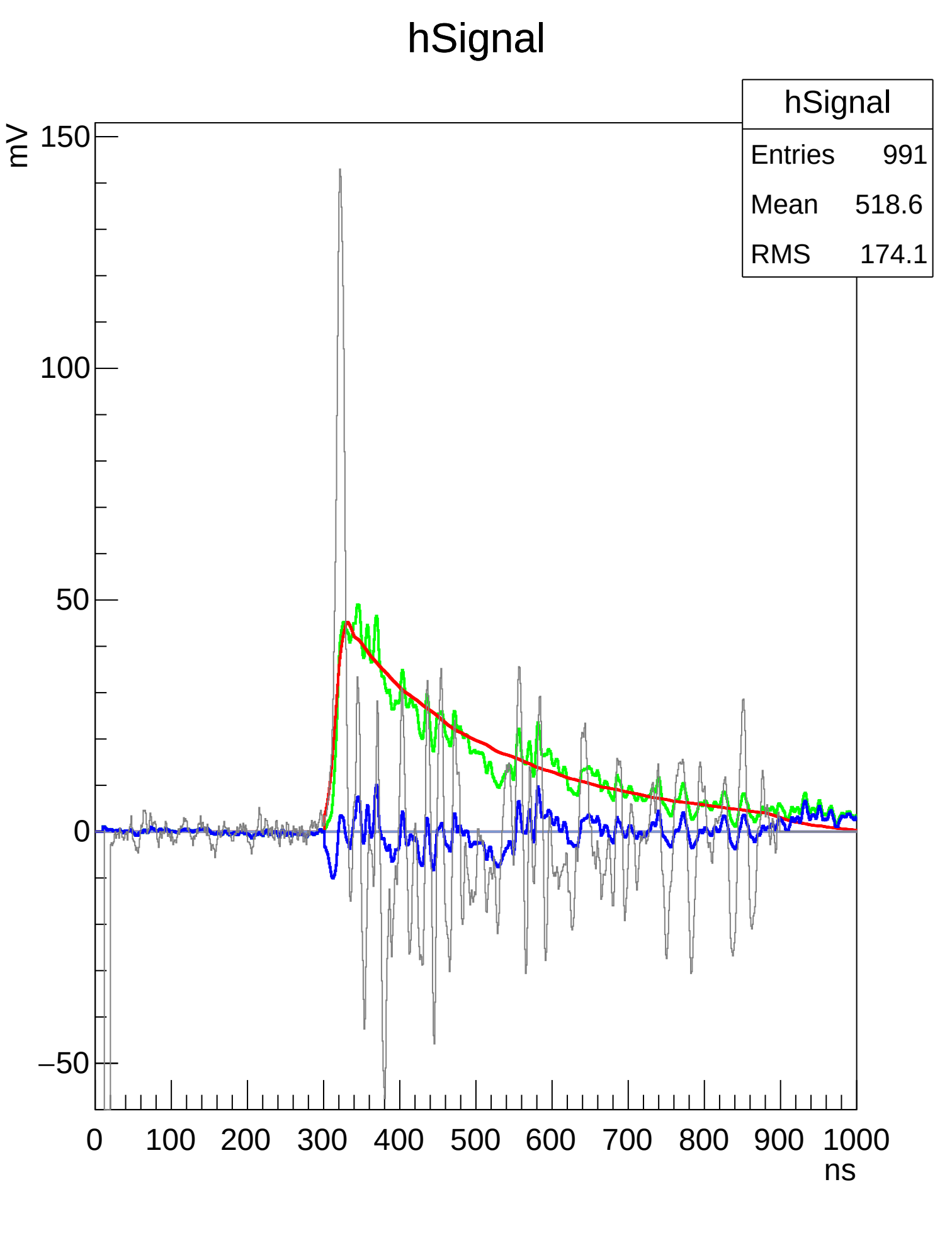

hSignal
hSignal
Entries 991
Mean 574.4
RMS 153.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

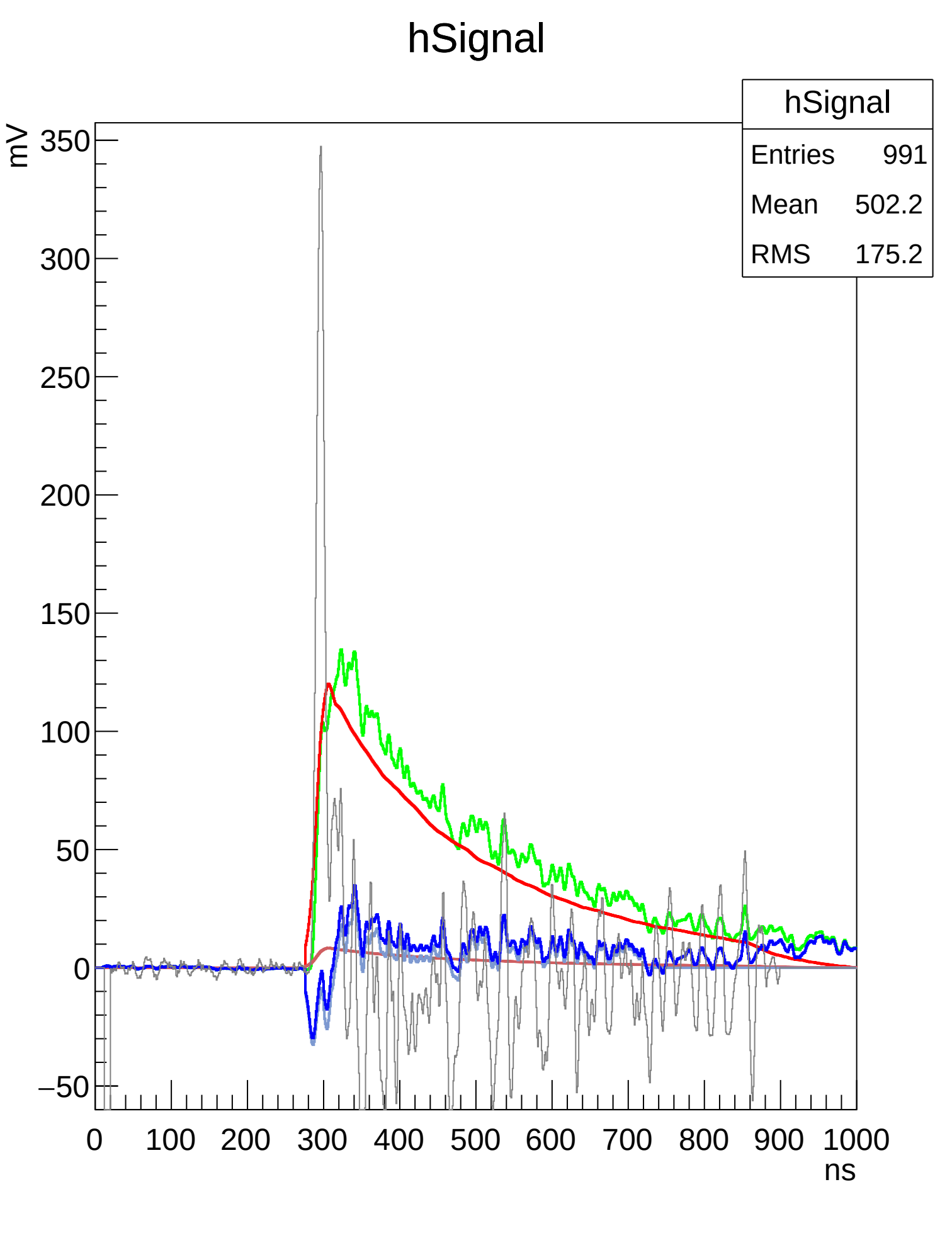

hSignal
hSignal
Entries 991
Mean 539.4
RMS 163.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

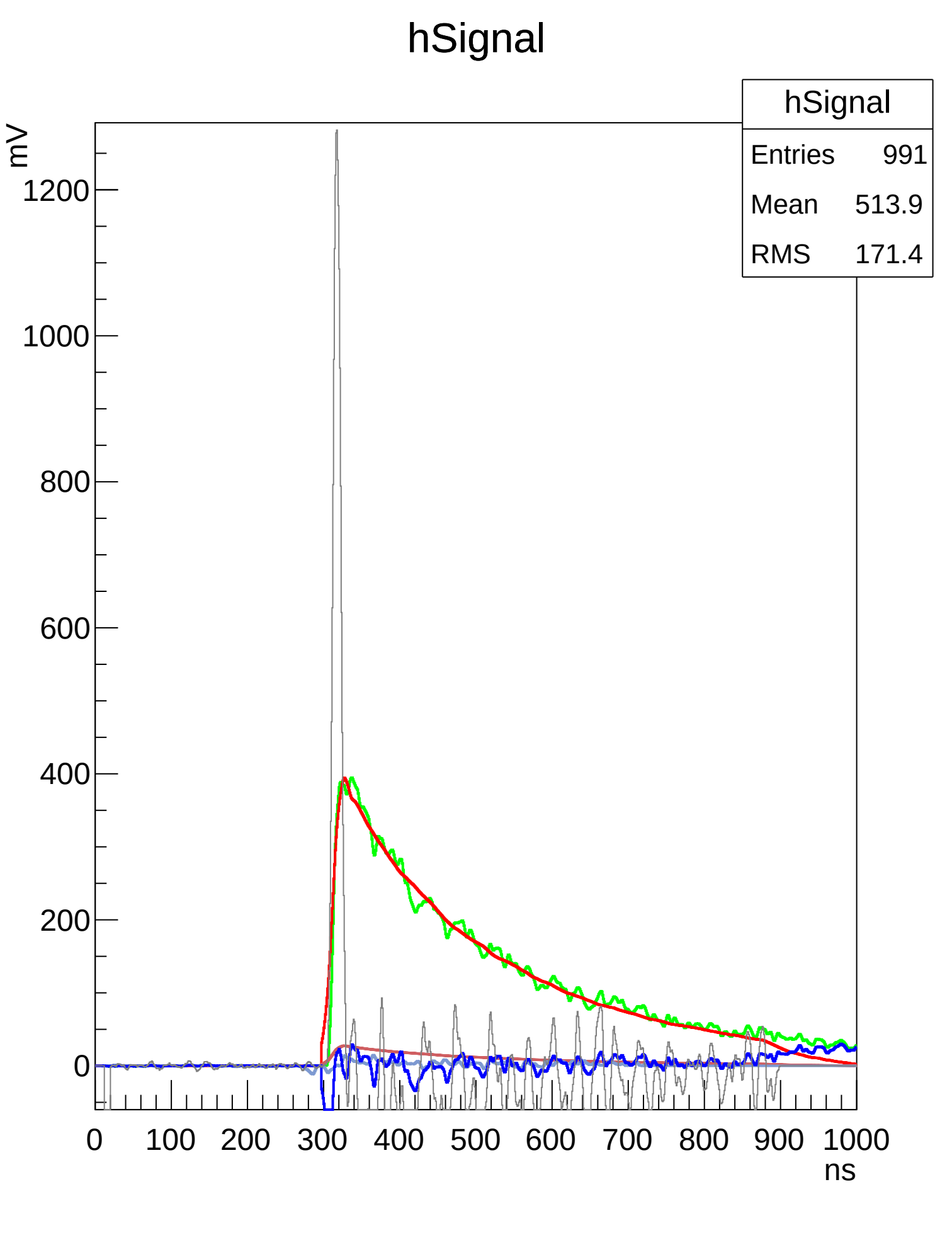

hSignal
hSignal
Entries 991
Mean 530.9
RMS 171.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

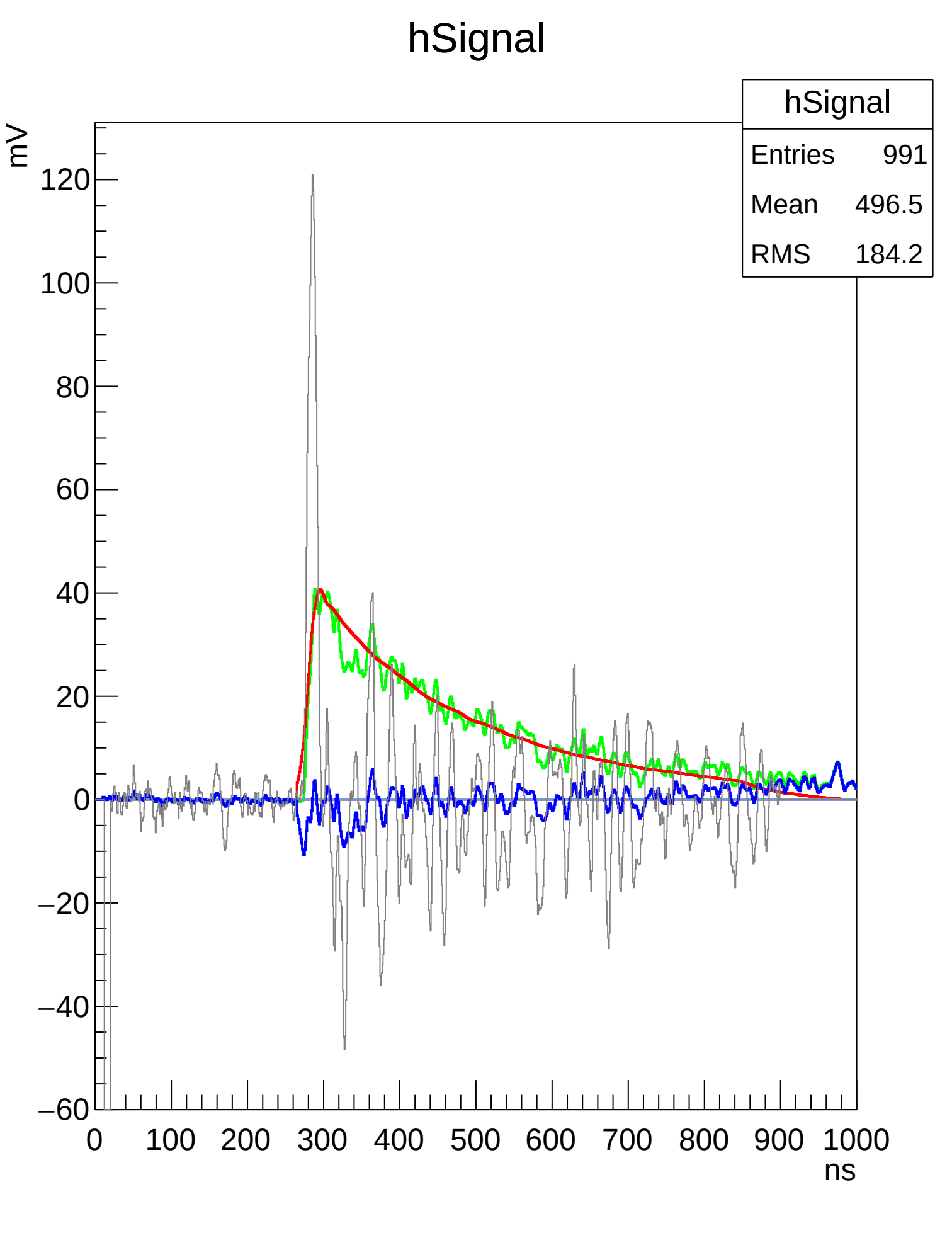

hSignal
hSignal
Entries 991
Mean 534.9
RMS 167.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

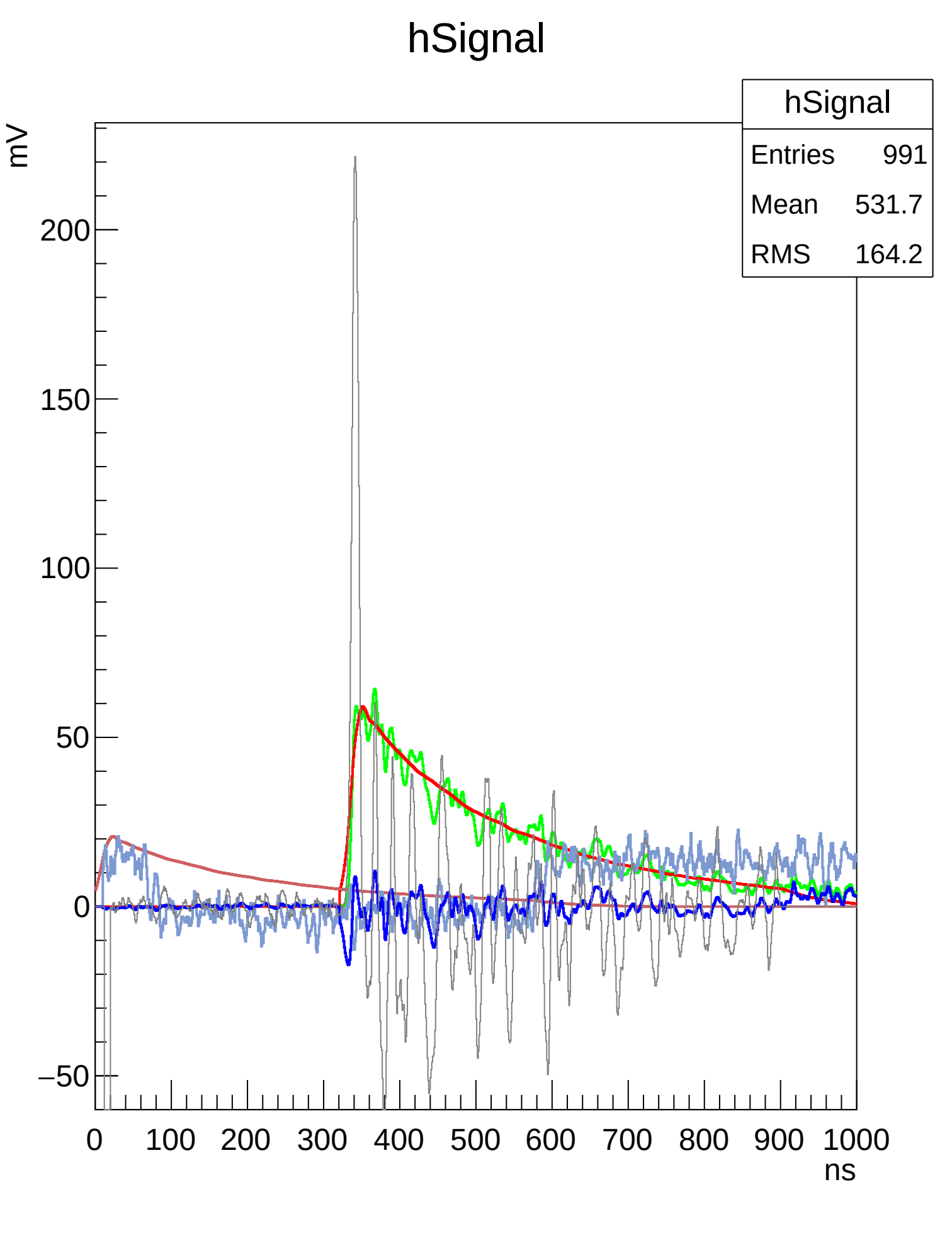

hSignal
hSignal
Entries 991
Mean 498.6
RMS 178
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

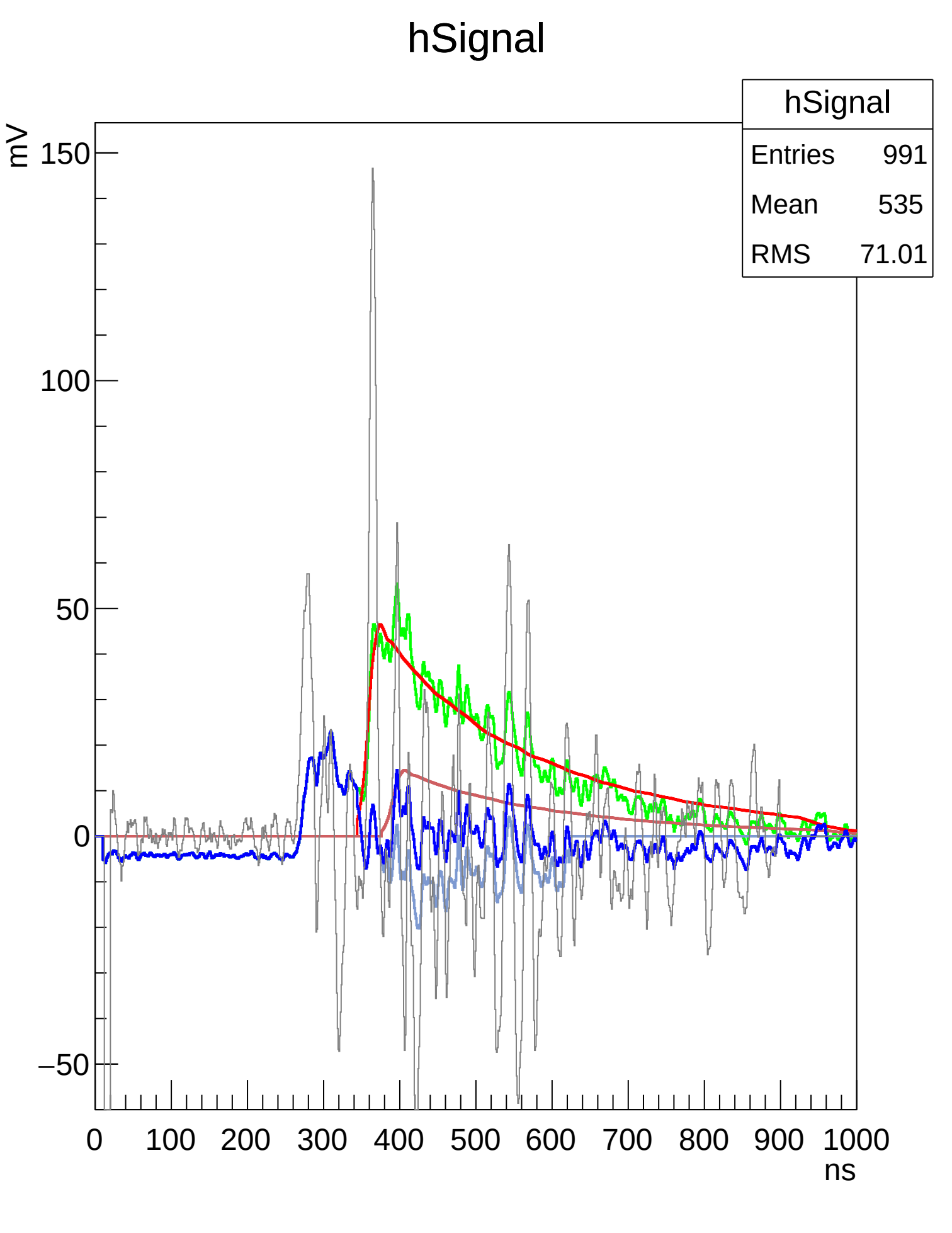

hSignal
hSignal
Entries 991
Mean 518.6
RMS 174.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

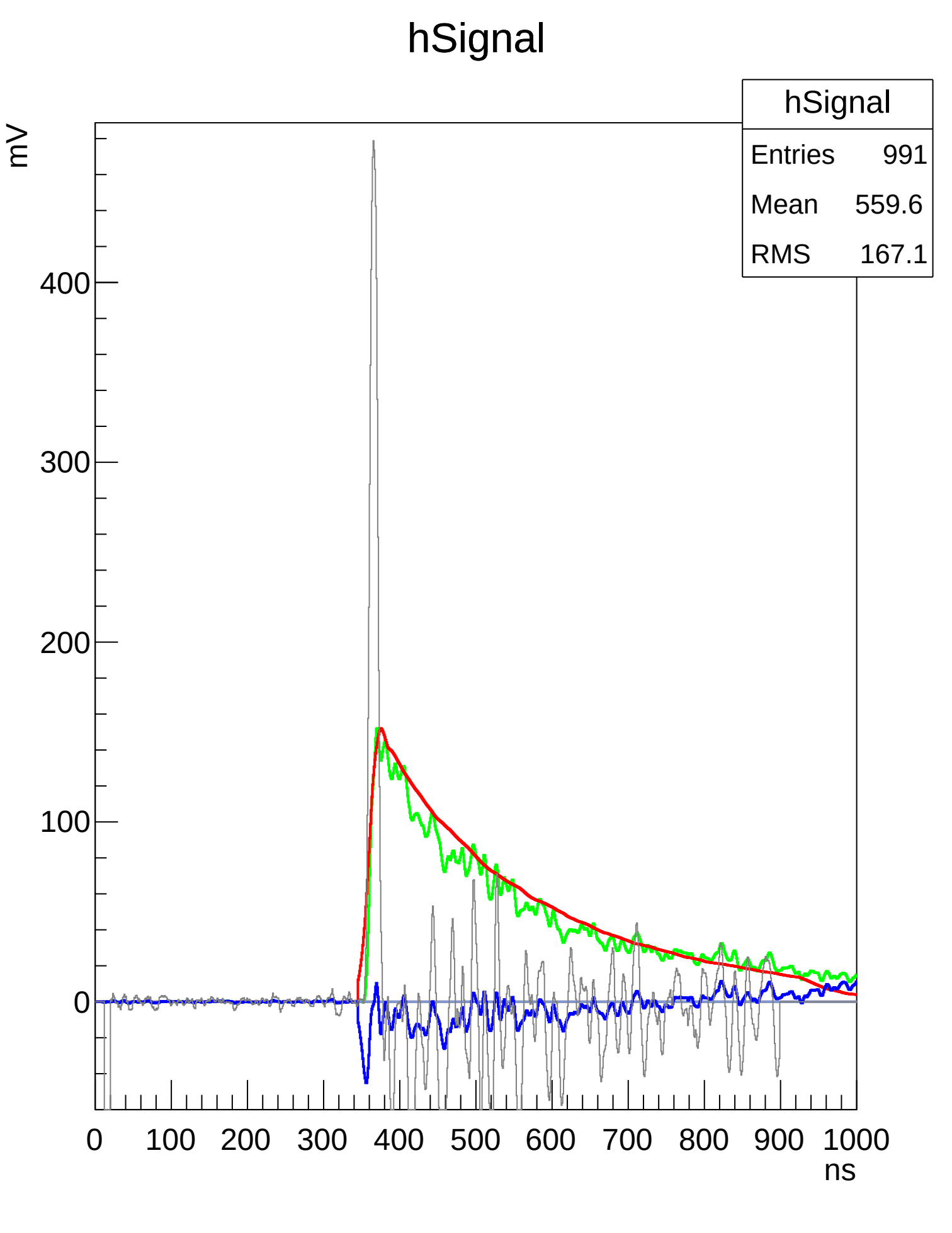

hSignal
hSignal
Entries 991
Mean 502.2
RMS 175.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

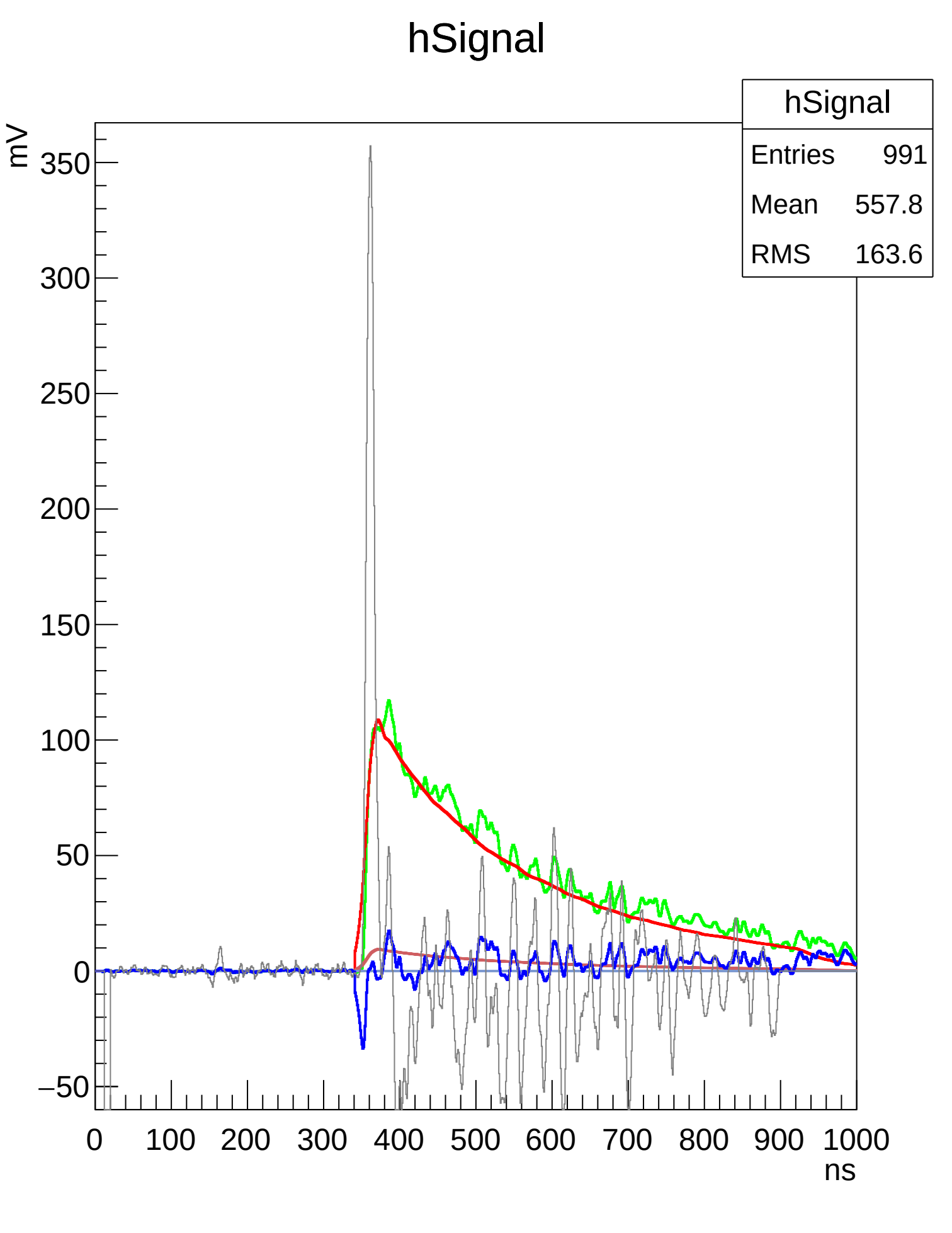

hSignal
hSignal
Entries 991
Mean 513.9
RMS 171.4
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

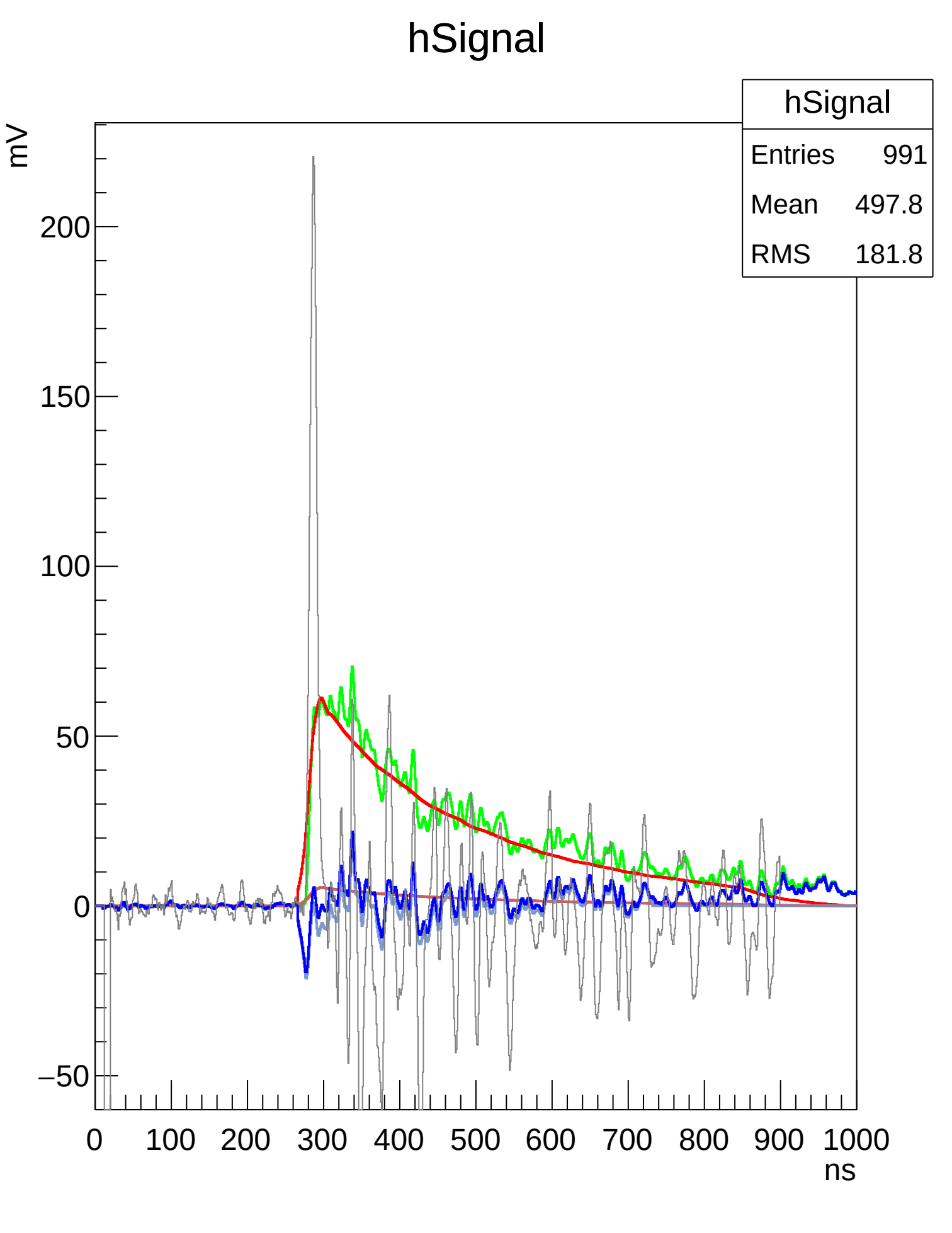

hSignal
hSignal
Entries 991
Mean 496.5
RMS 184.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

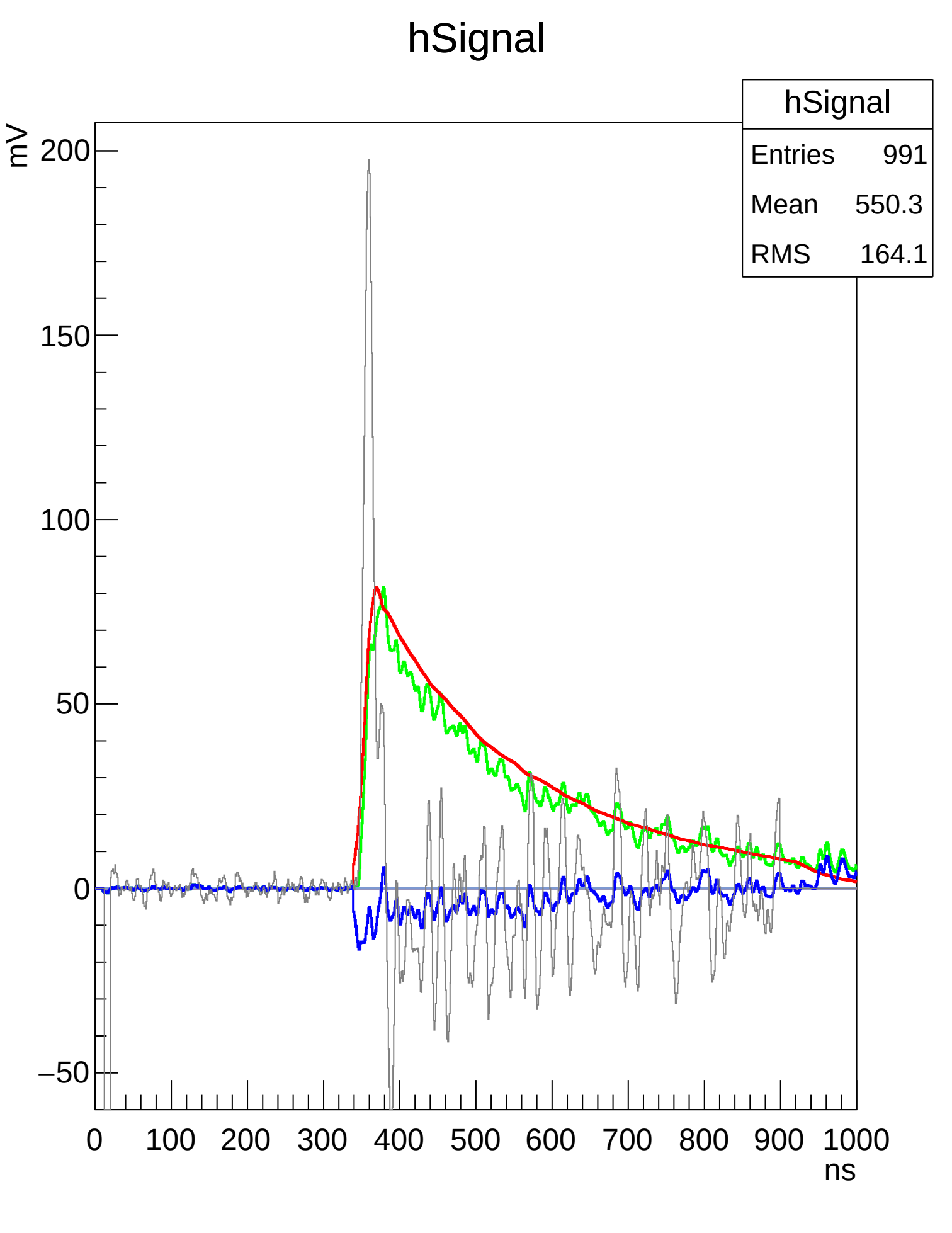

hSignal
hSignal
Entries 991
Mean 531.7
RMS 164.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

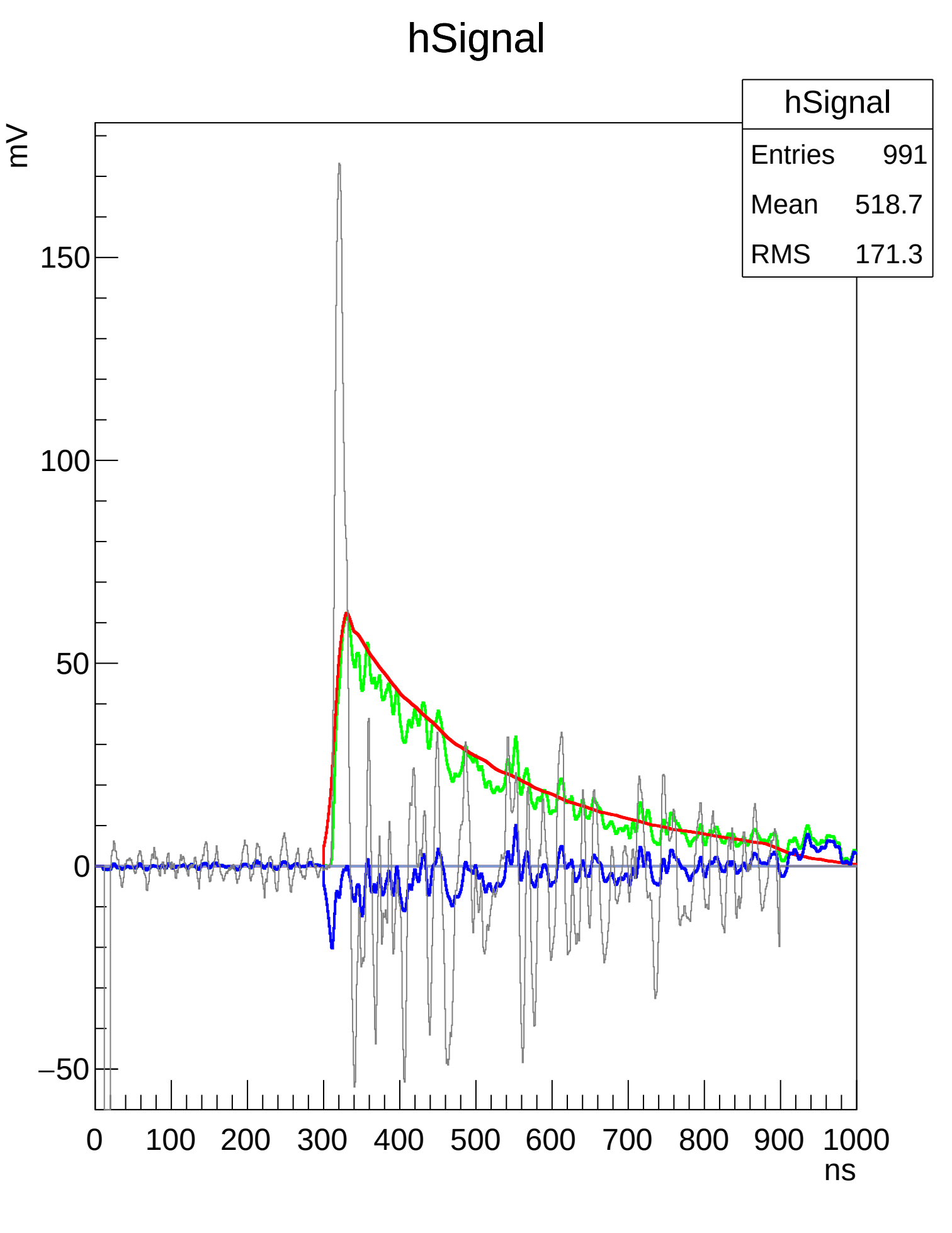

hSignal
hSignal
Entries 991
Mean 535
RMS 71.01
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

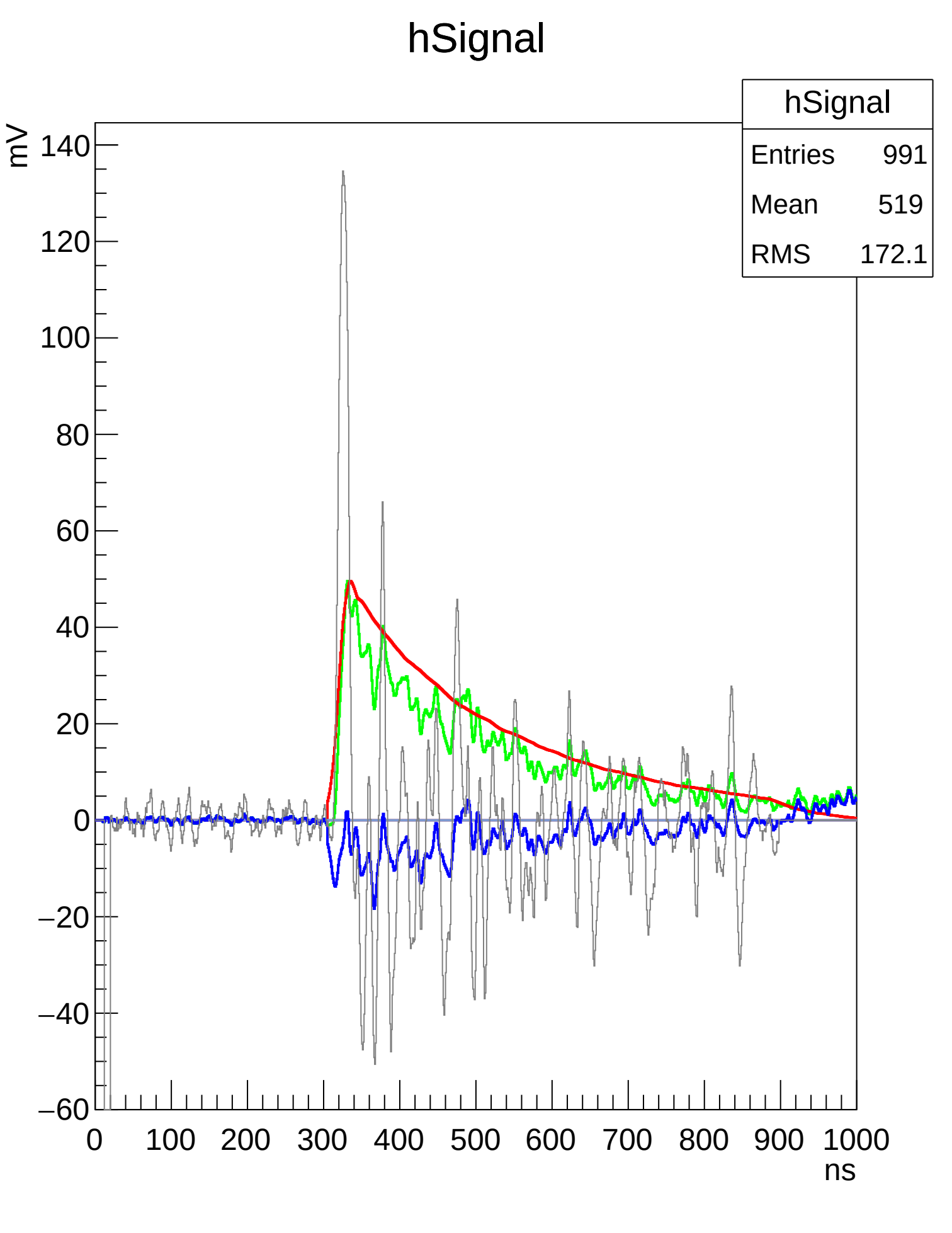

hSignal
hSignal
Entries 991
Mean 559.6
RMS 167.1
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

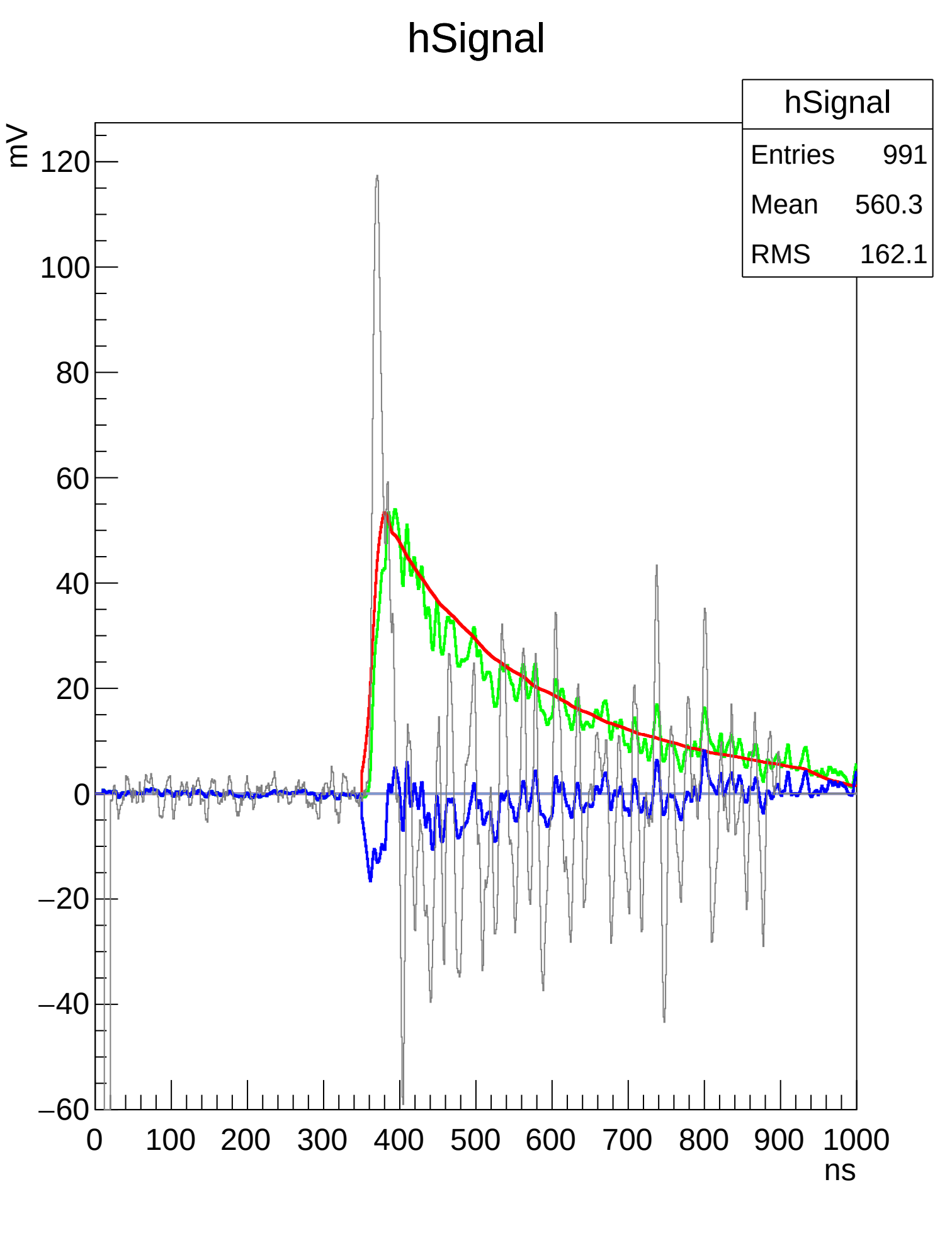

hSignal
hSignal
Entries 991
Mean 557.8
RMS 163.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

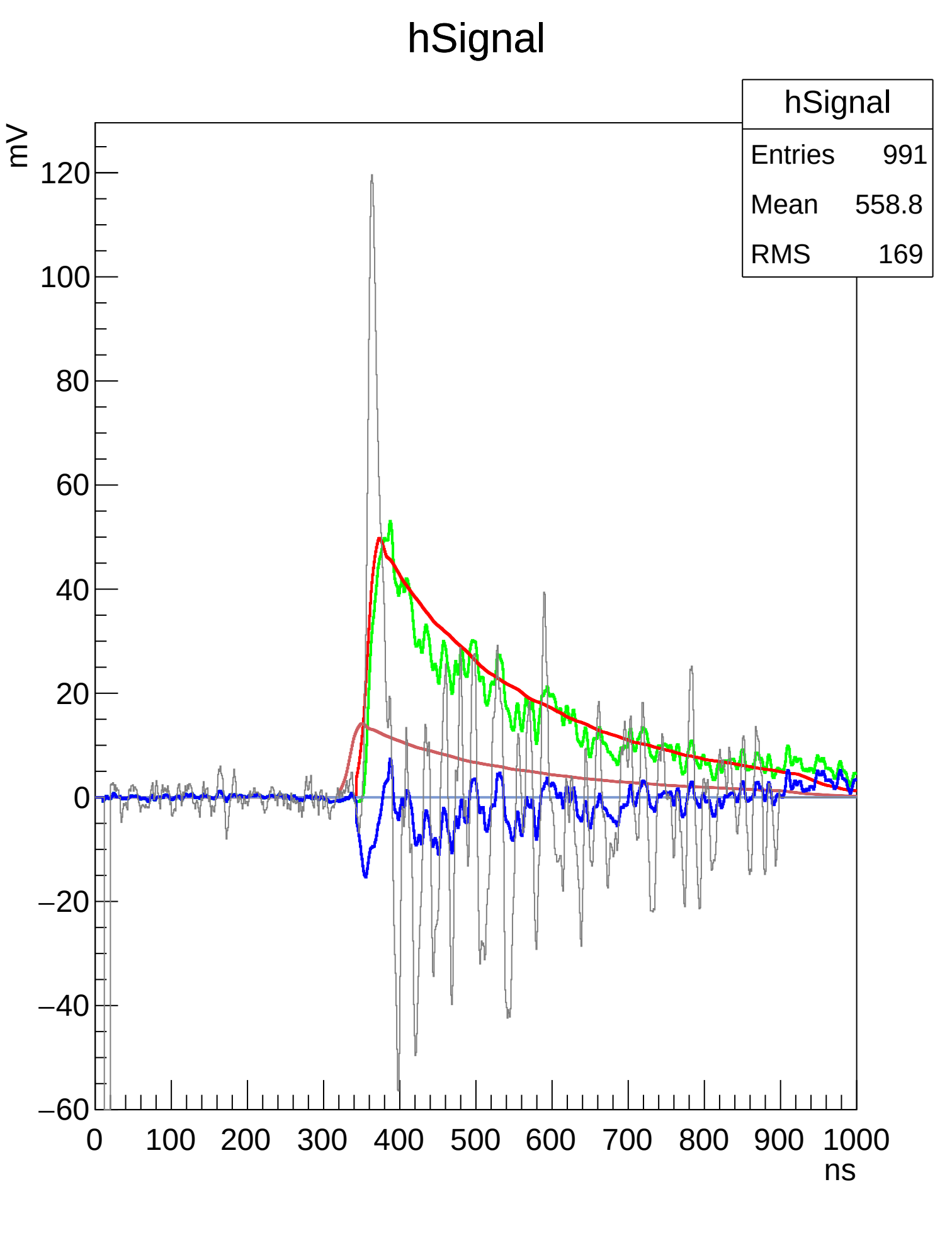

hSignal
hSignal
Entries 991
Mean 497.8
RMS 181.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

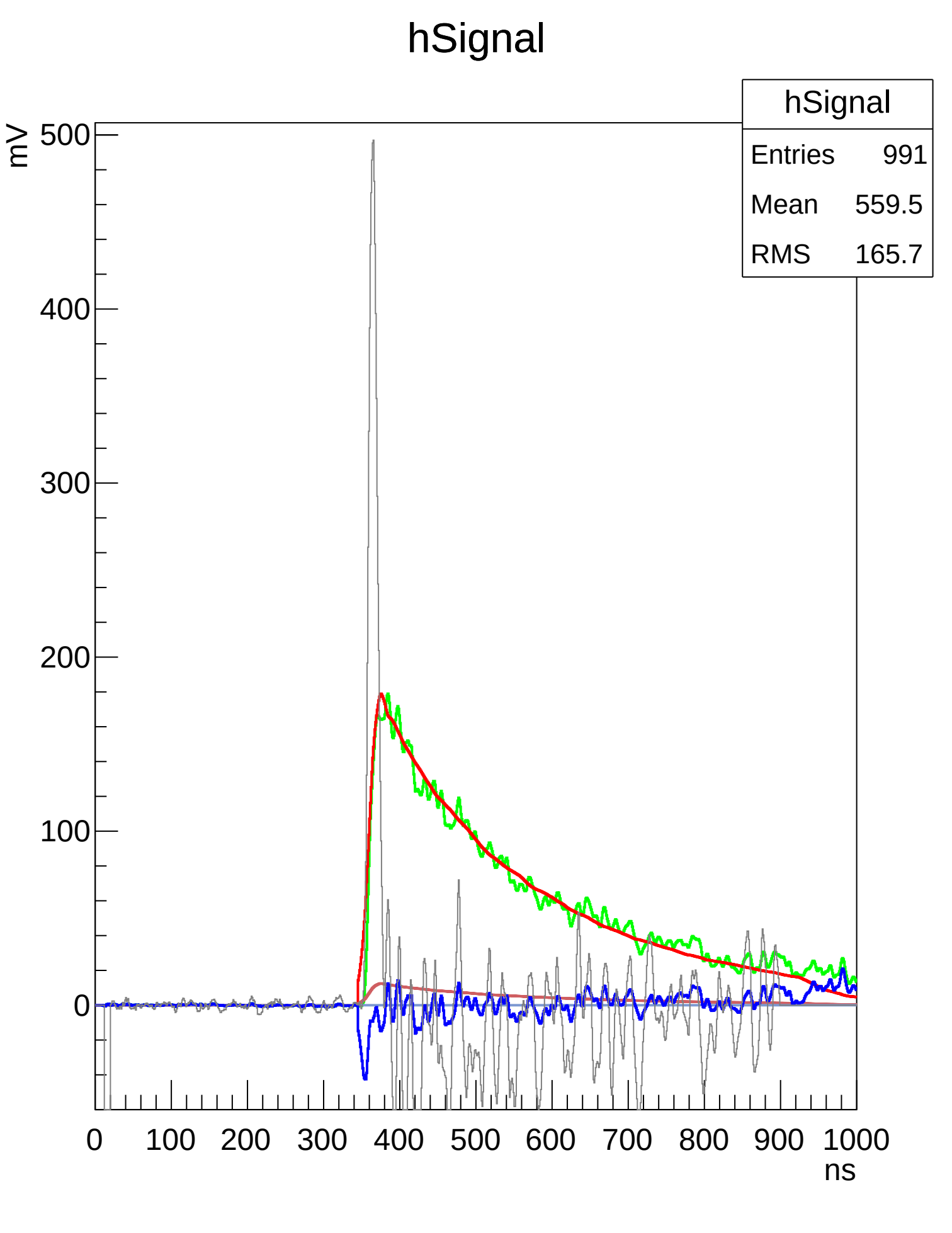

hSignal
hSignal
Entries 991
Mean 550.3
RMS 164.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

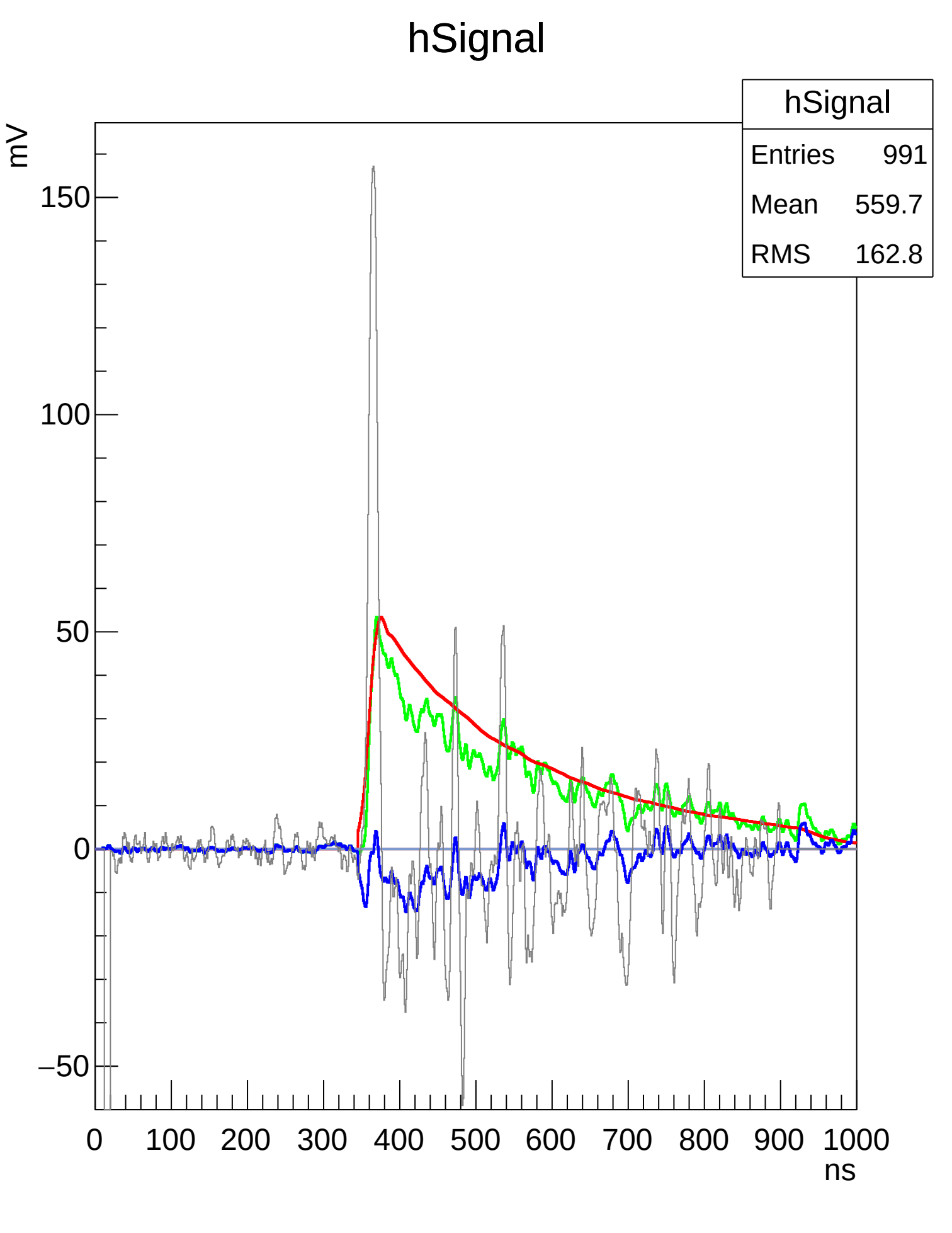

hSignal
hSignal
Entries 991
Mean 518.7
RMS 171.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

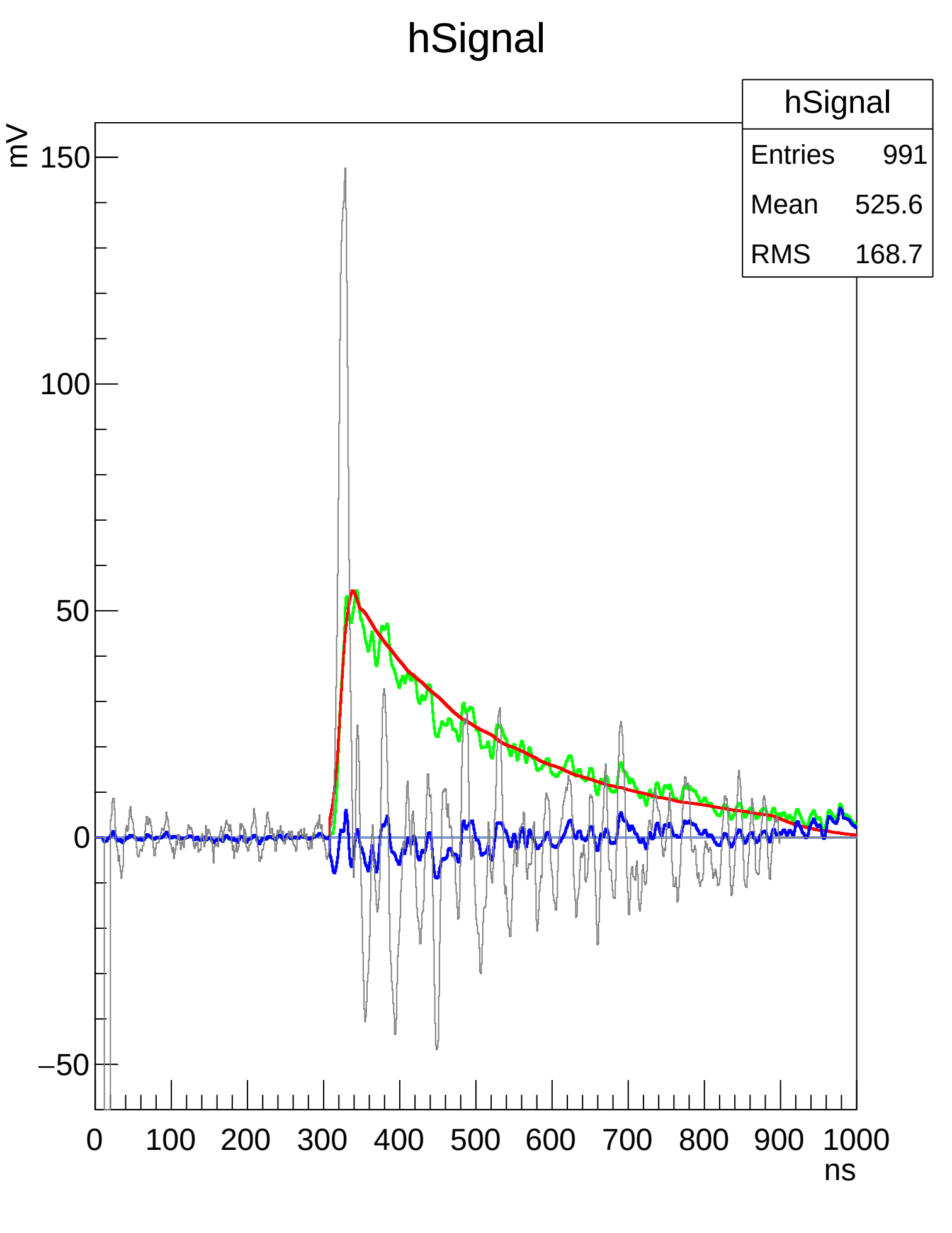

hSignal
hSignal
Entries 991
Mean 519
RMS 172.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

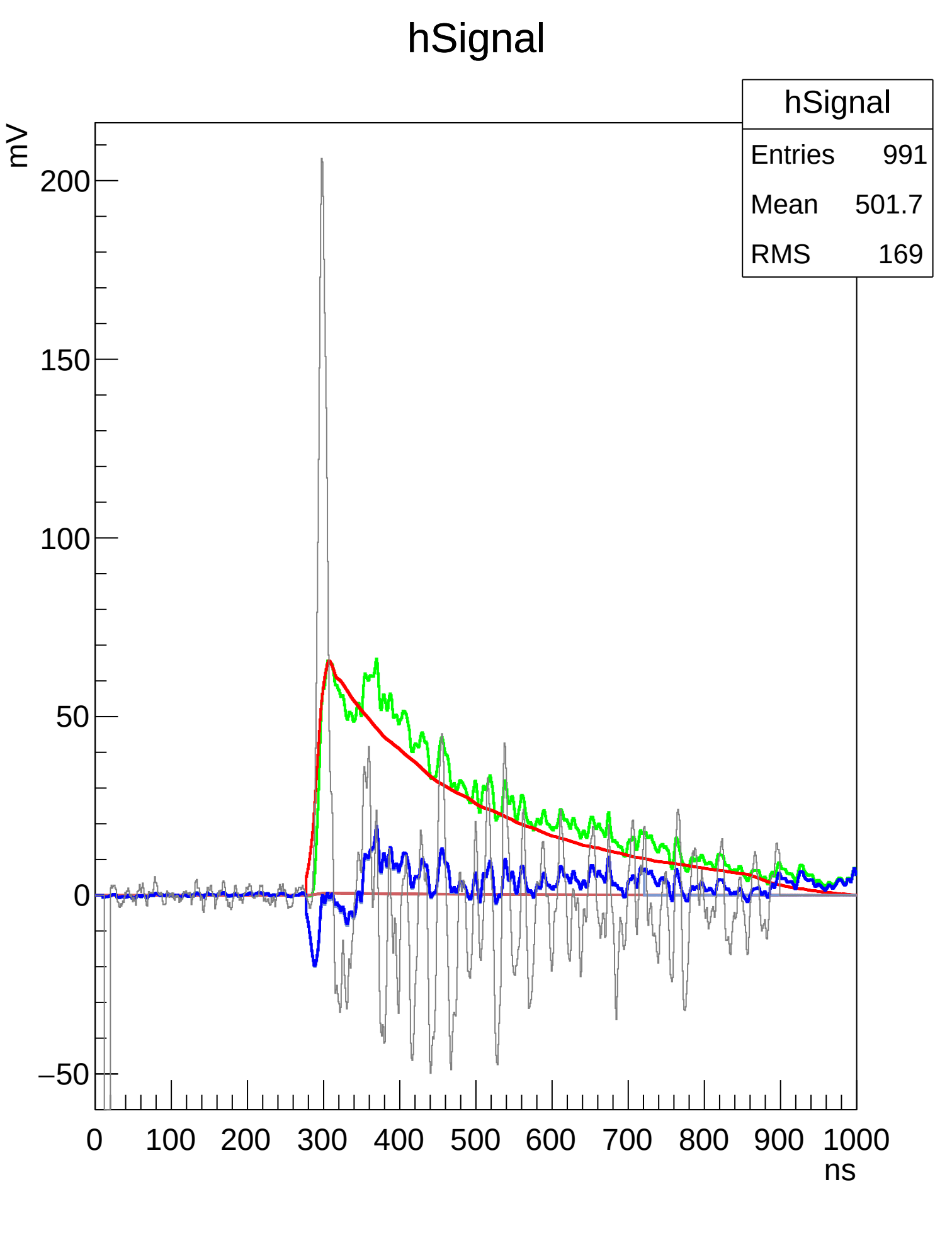

hSignal
hSignal
Entries 991
Mean 560.3
RMS 162.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

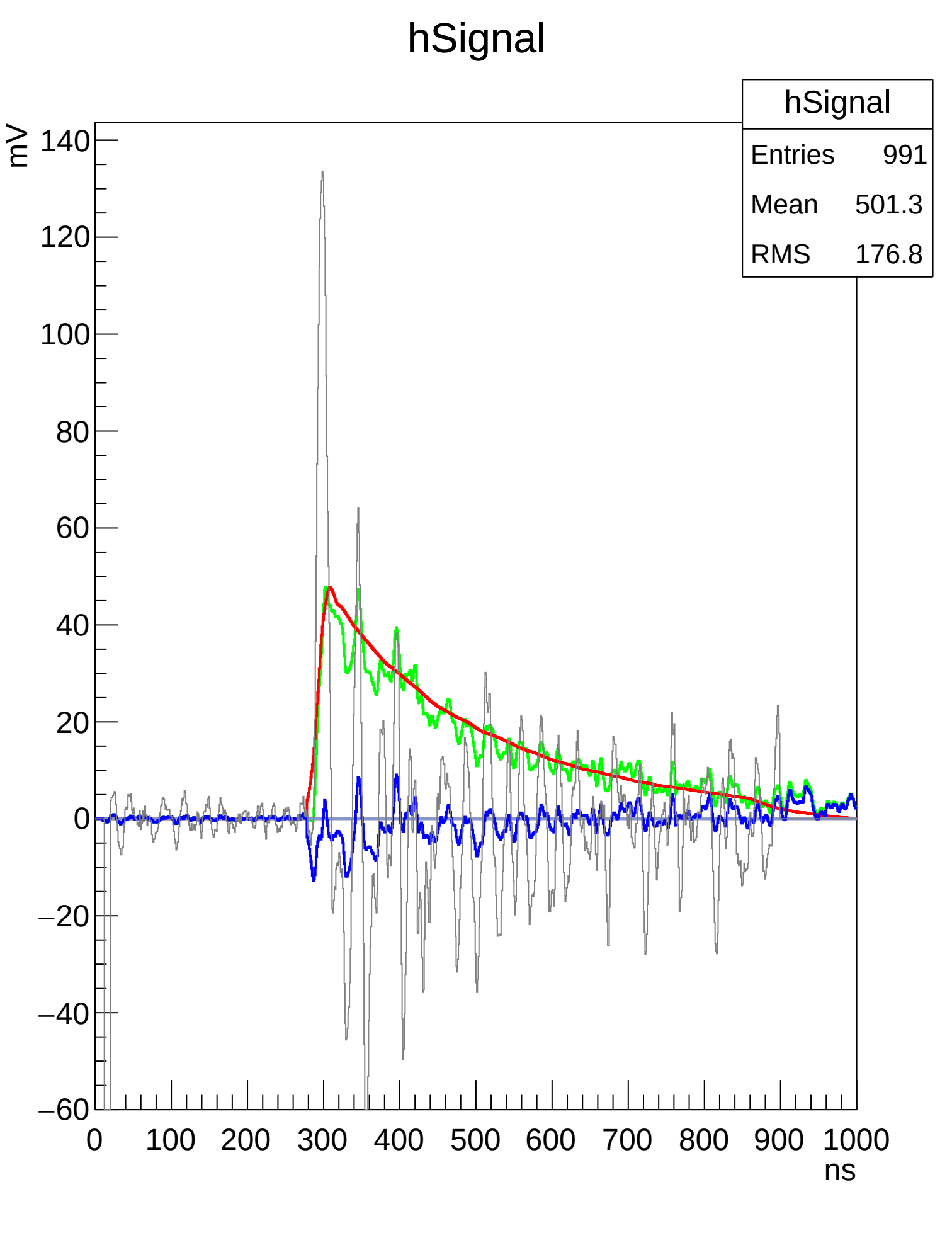

hSignal
hSignal
Entries 991
Mean 558.8
RMS 169
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

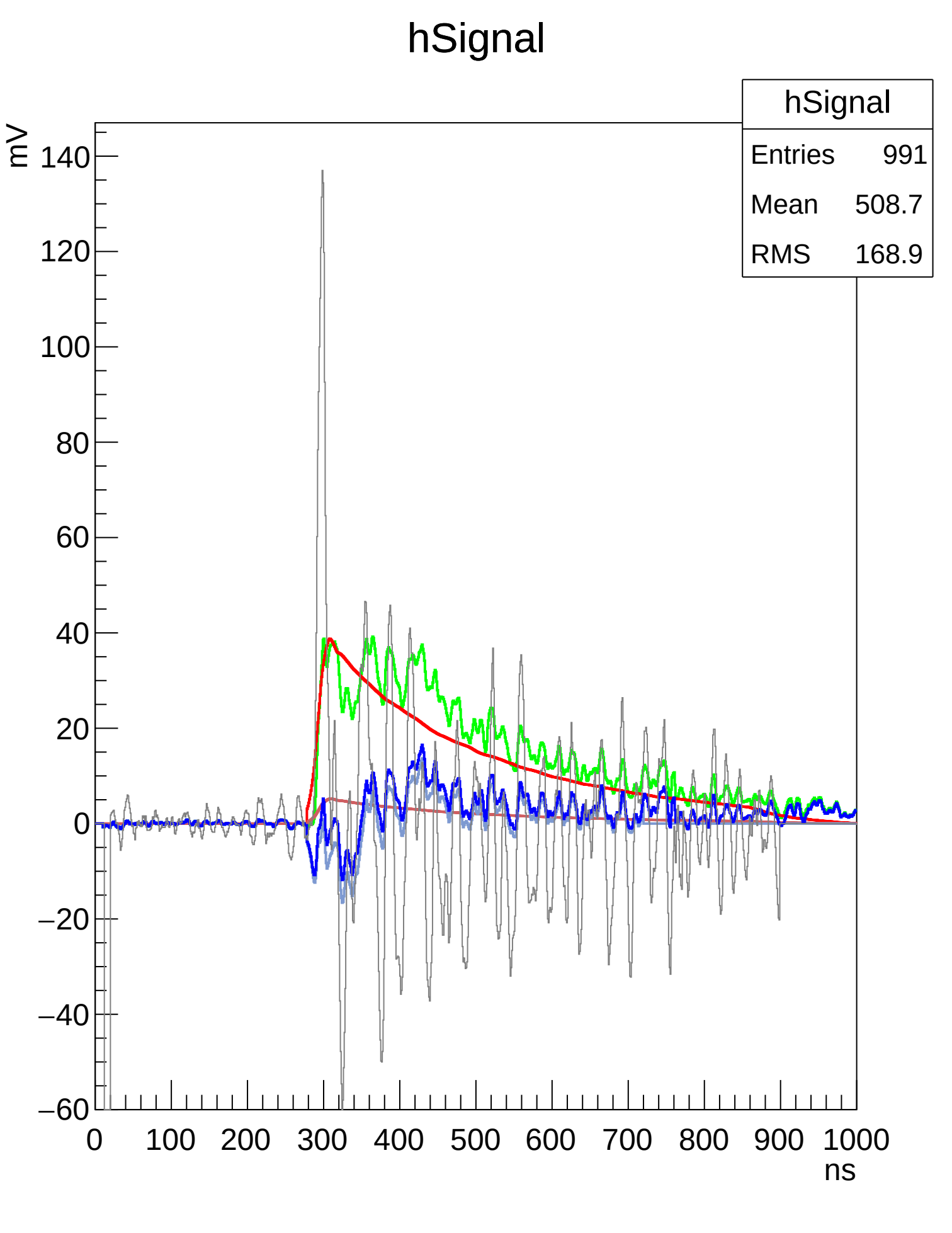

hSignal
hSignal
Entries 991
Mean 559.5
RMS 165.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

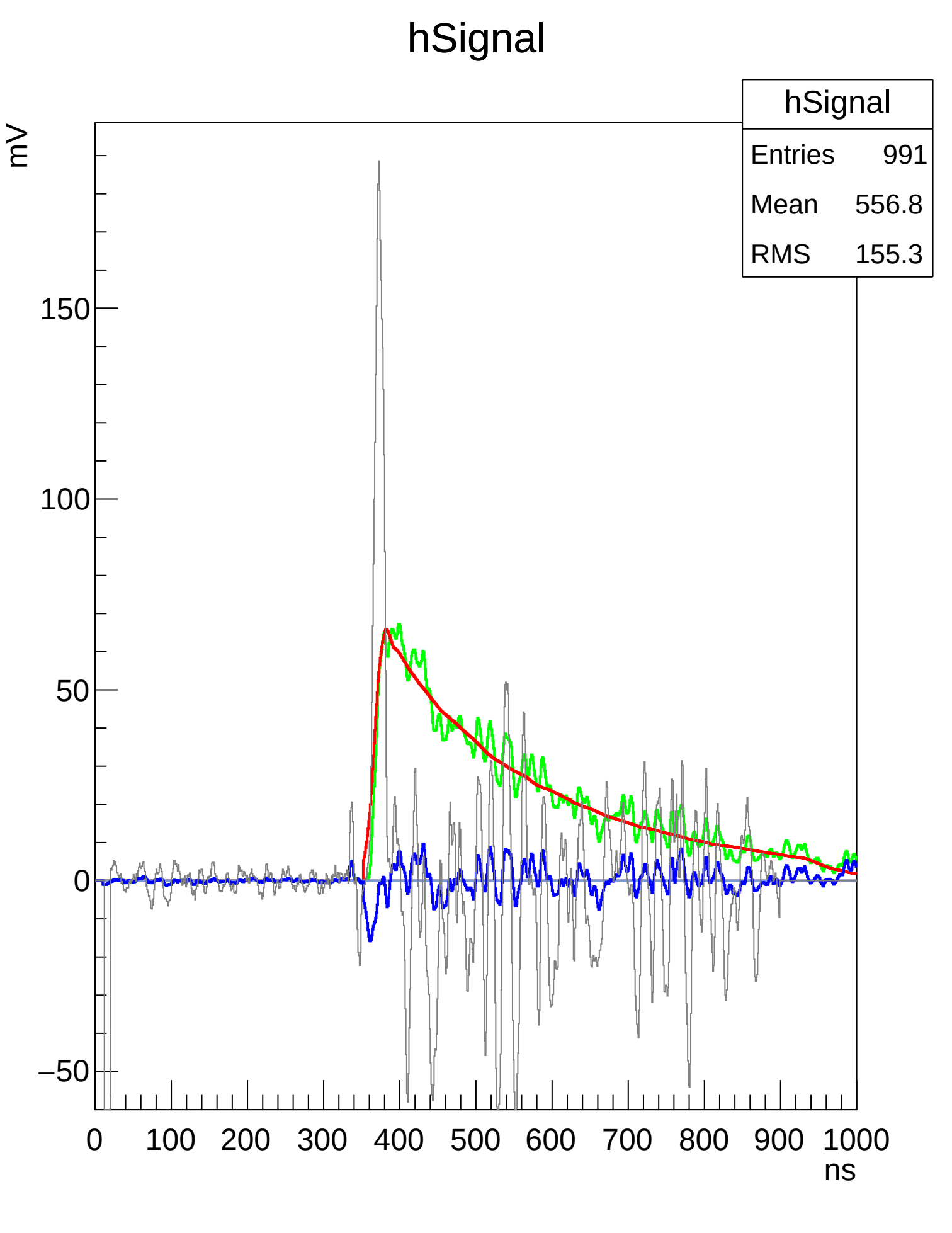

hSignal
hSignal
Entries 991
Mean 559.7
RMS 162.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

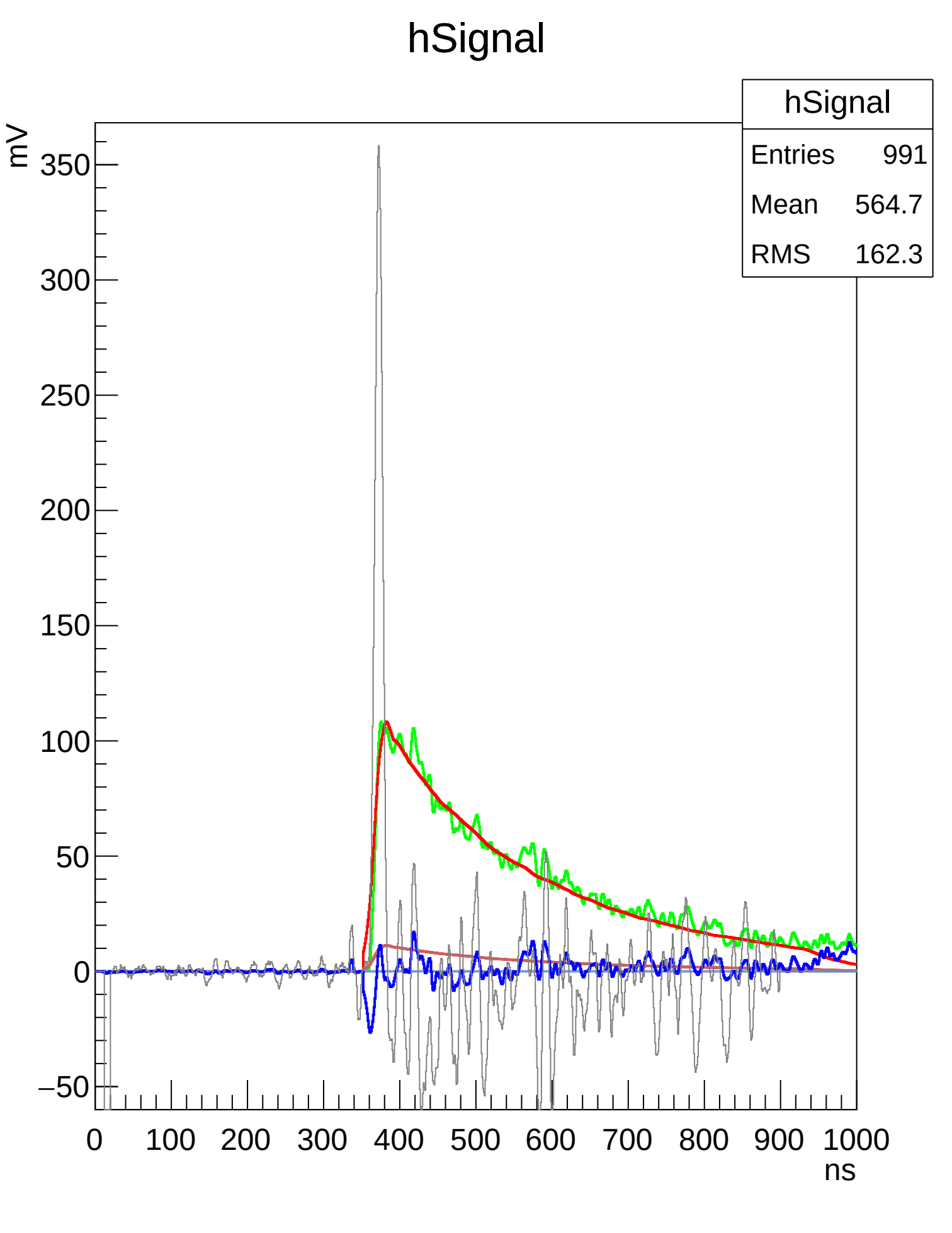

hSignal
hSignal
Entries 991
Mean 525.6
RMS 168.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

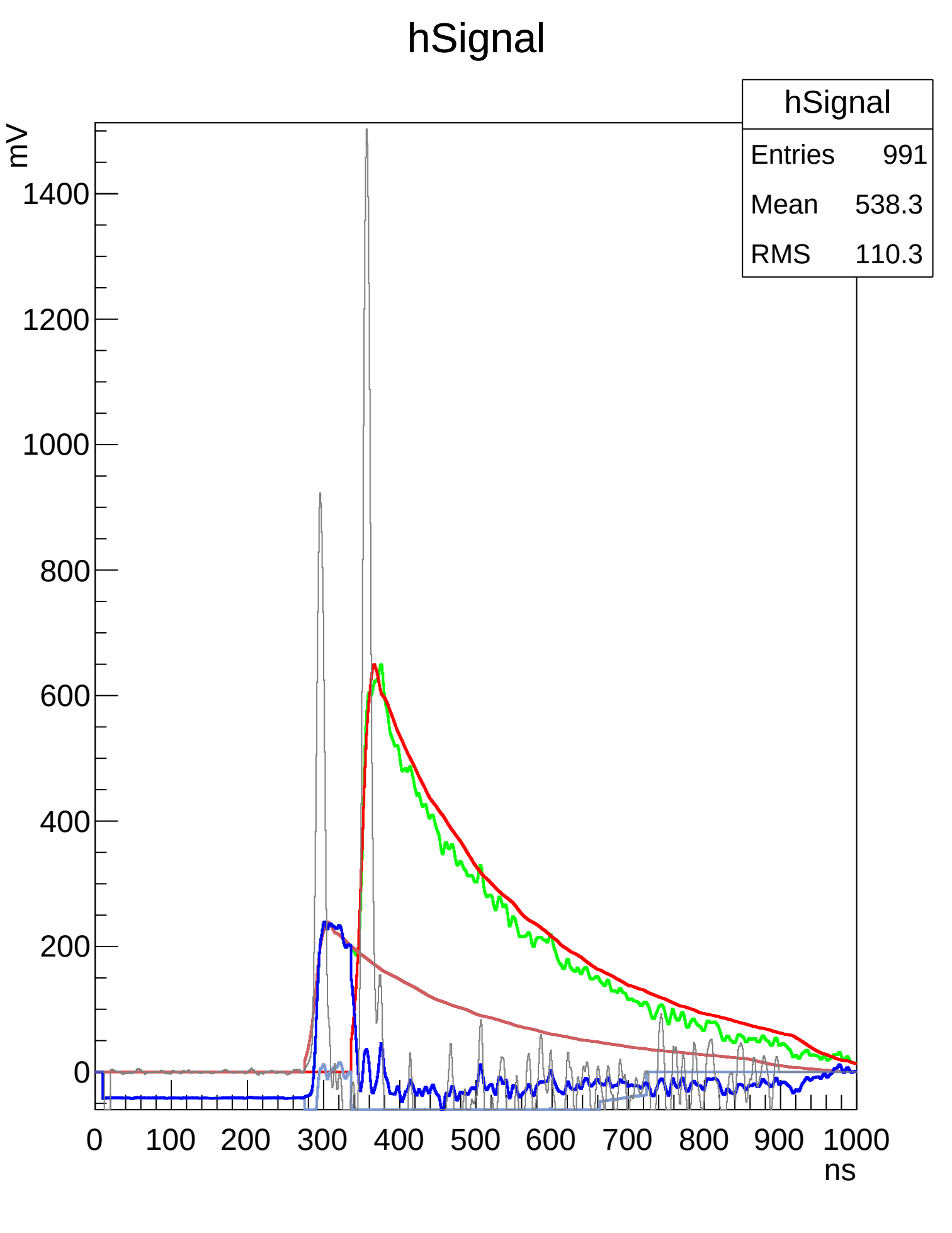

hSignal
hSignal
Entries 991
Mean 501.7
RMS 169
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

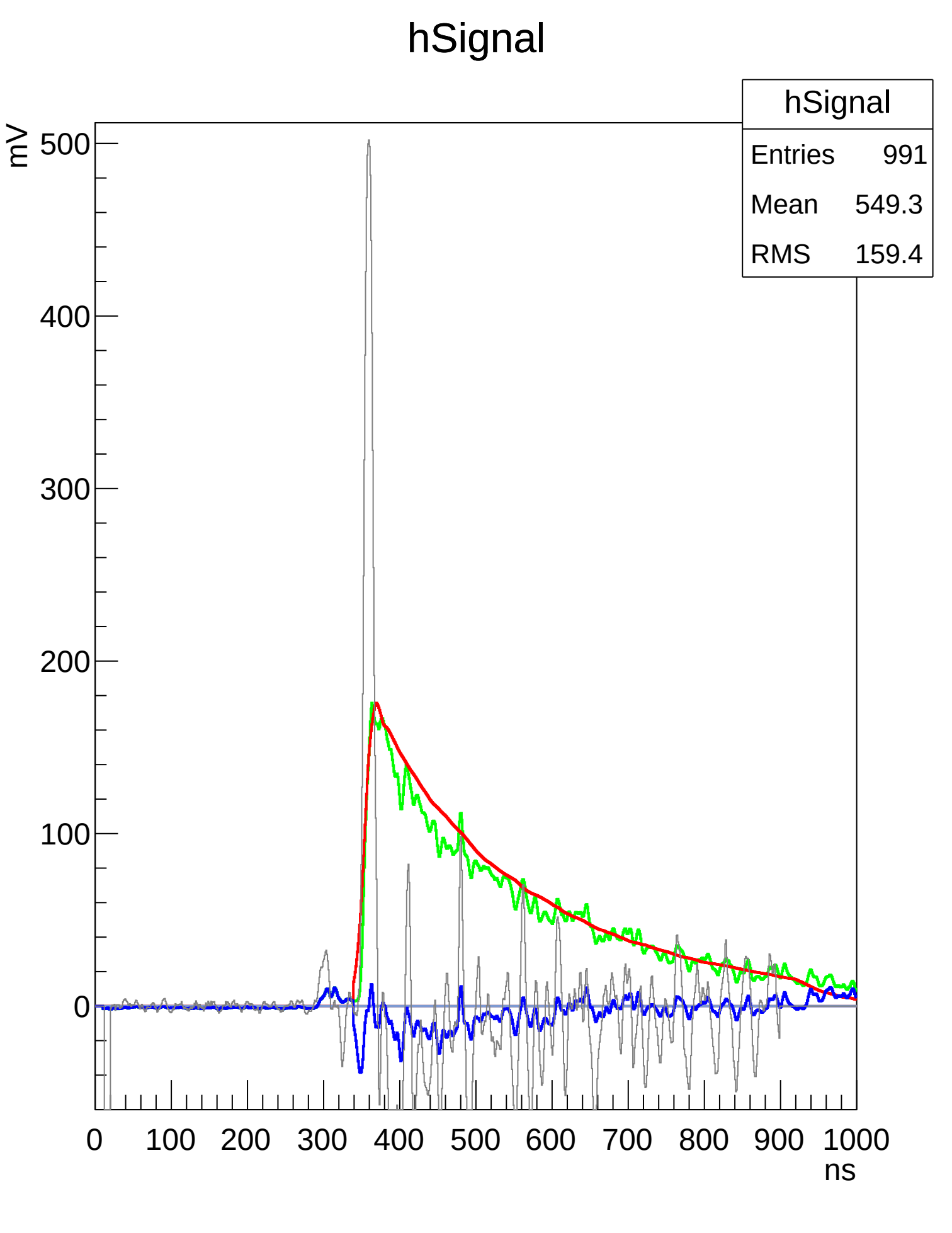

hSignal
hSignal
Entries 991
Mean 501.3
RMS 176.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

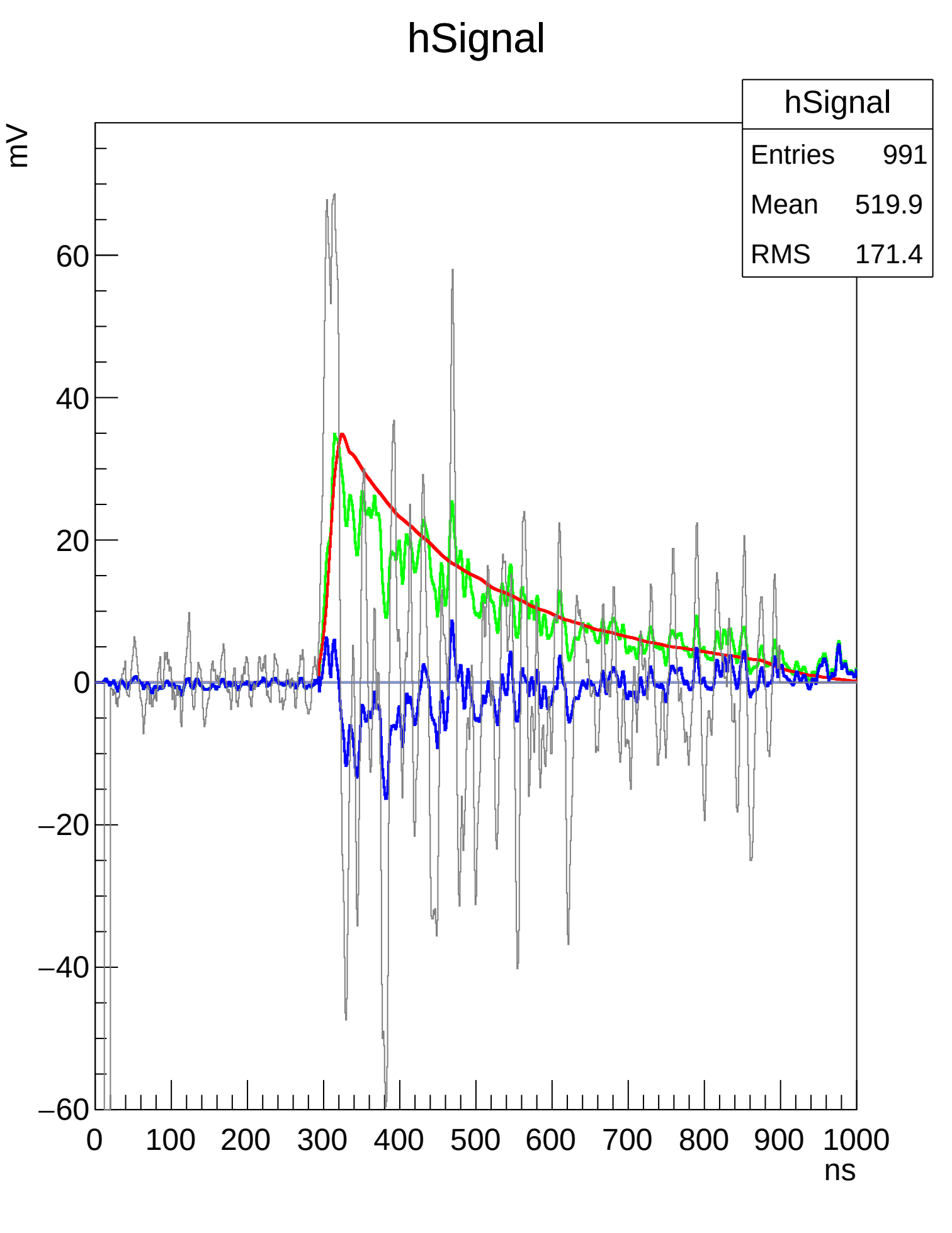

hSignal
hSignal
Entries 991
Mean 508.7
RMS 168.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

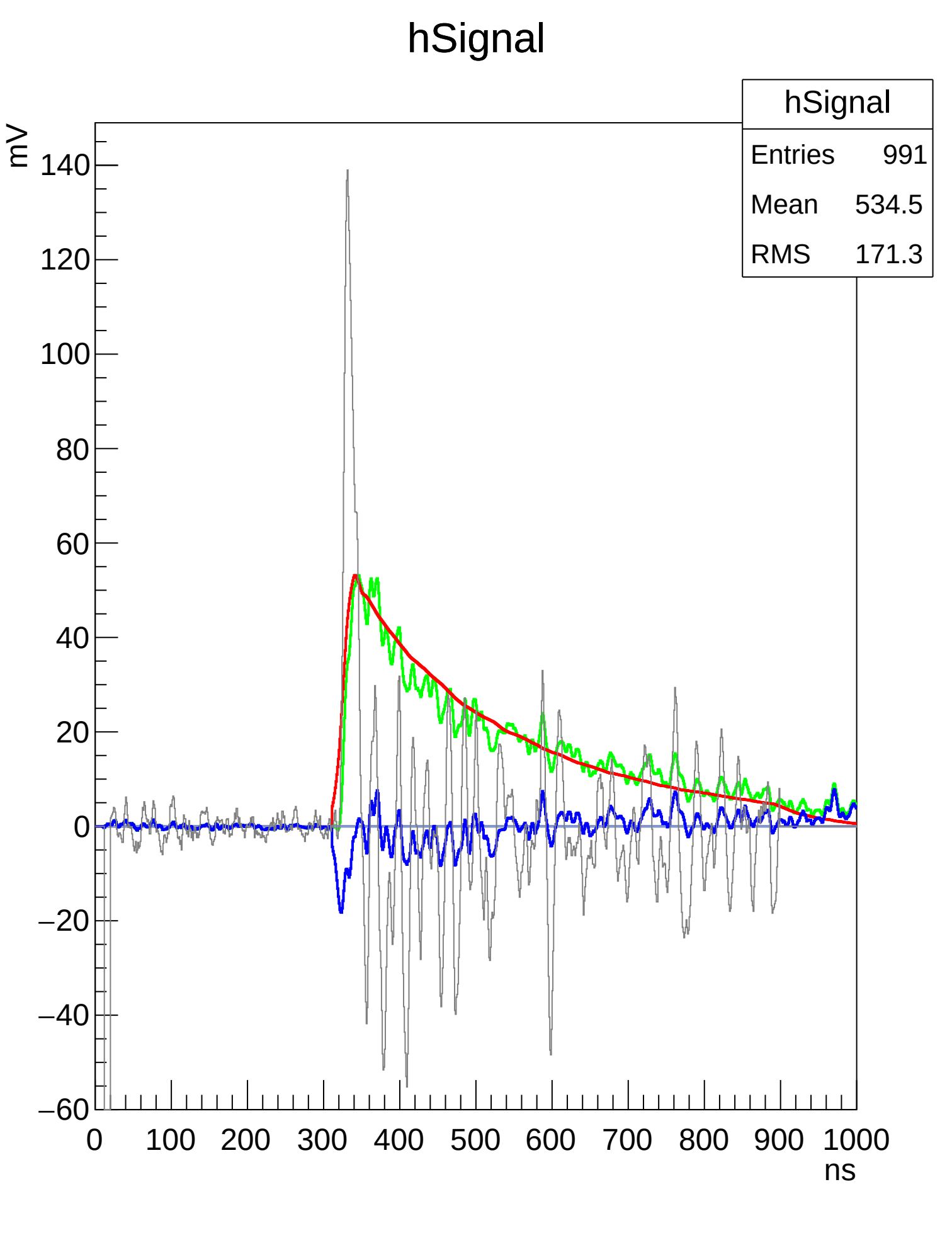

hSignal
hSignal
Entries 991
Mean 556.8
RMS 155.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

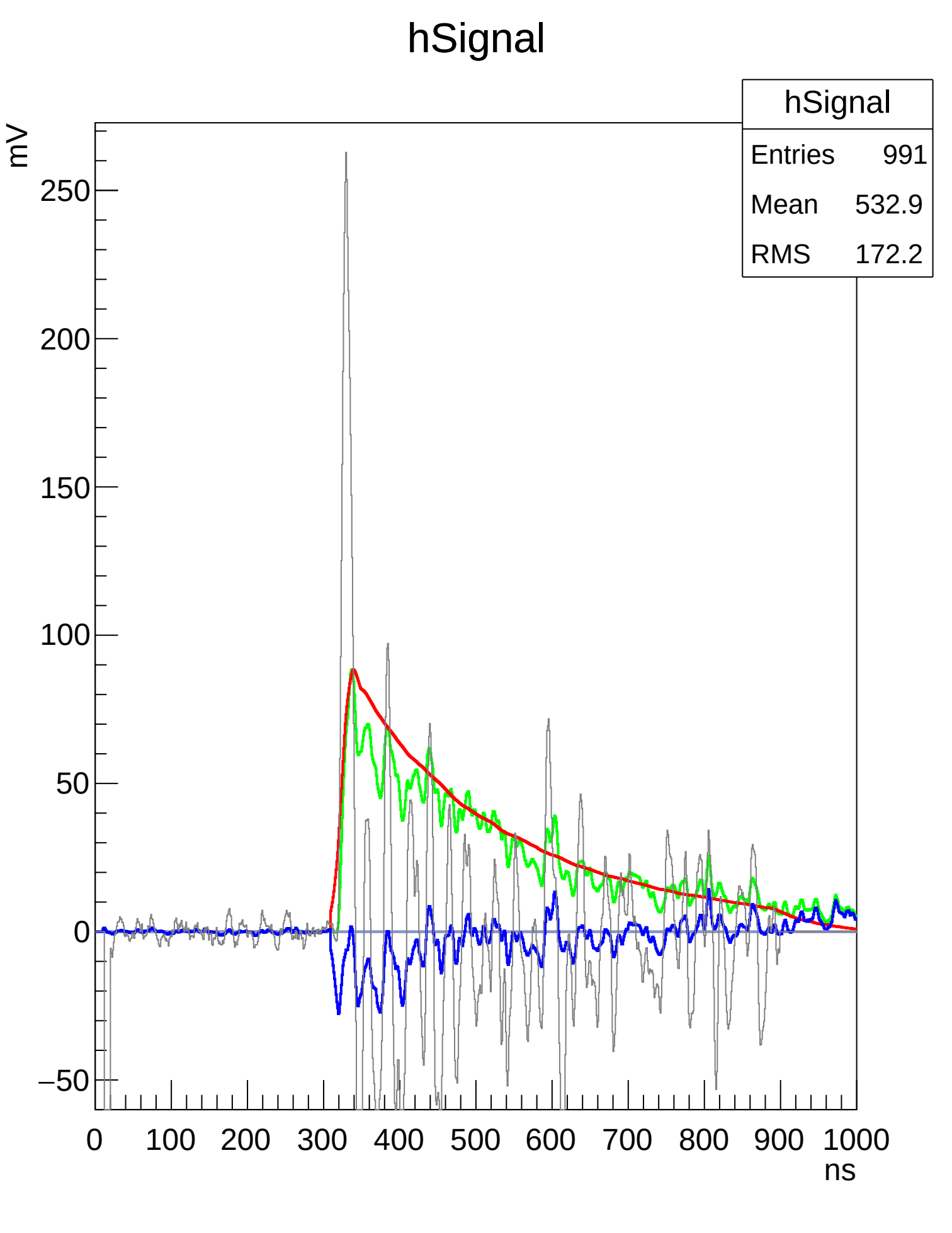

hSignal
hSignal
Entries 991
Mean 564.7
RMS 162.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

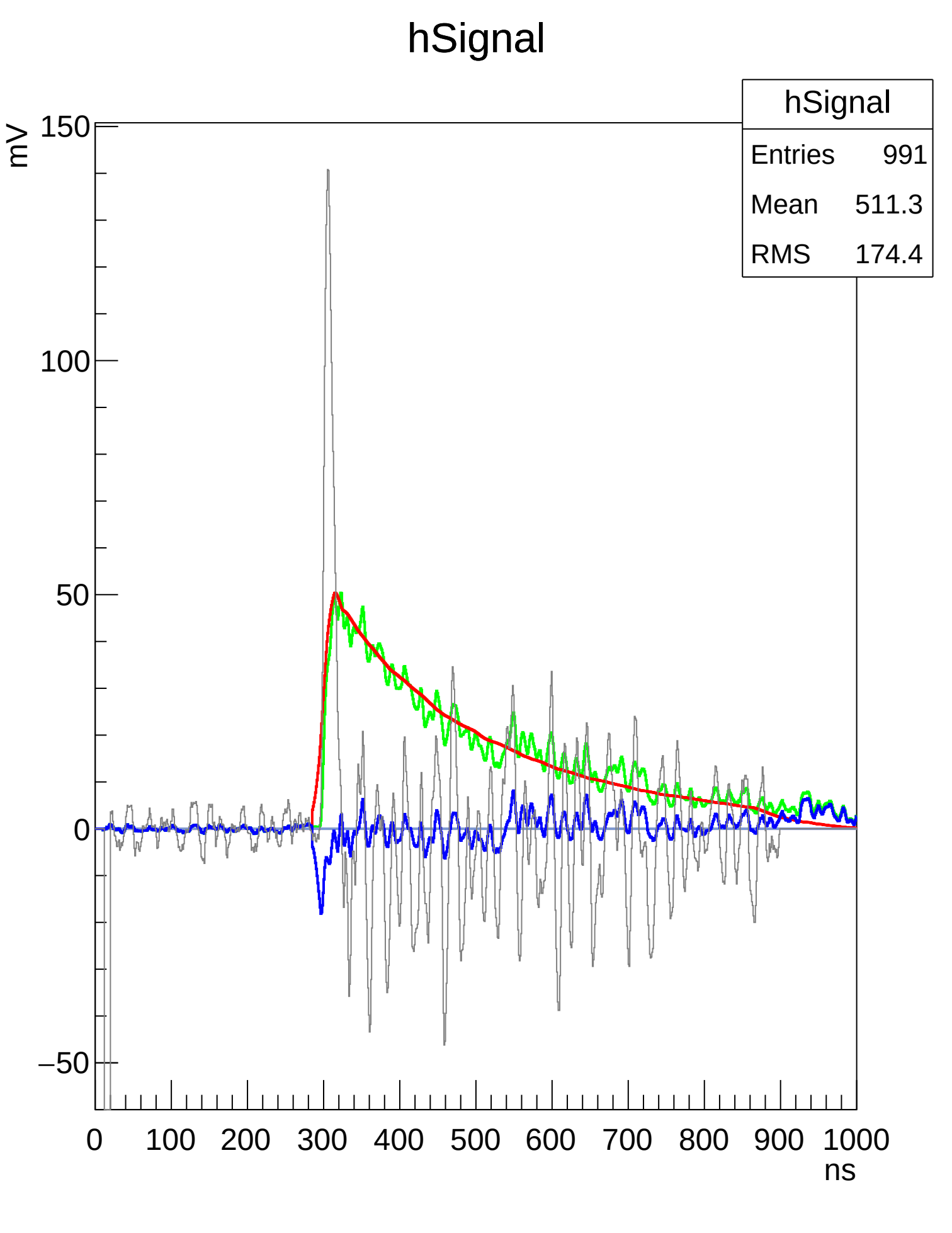

hSignal
hSignal
Entries 991
Mean 538.3
RMS 110.3
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

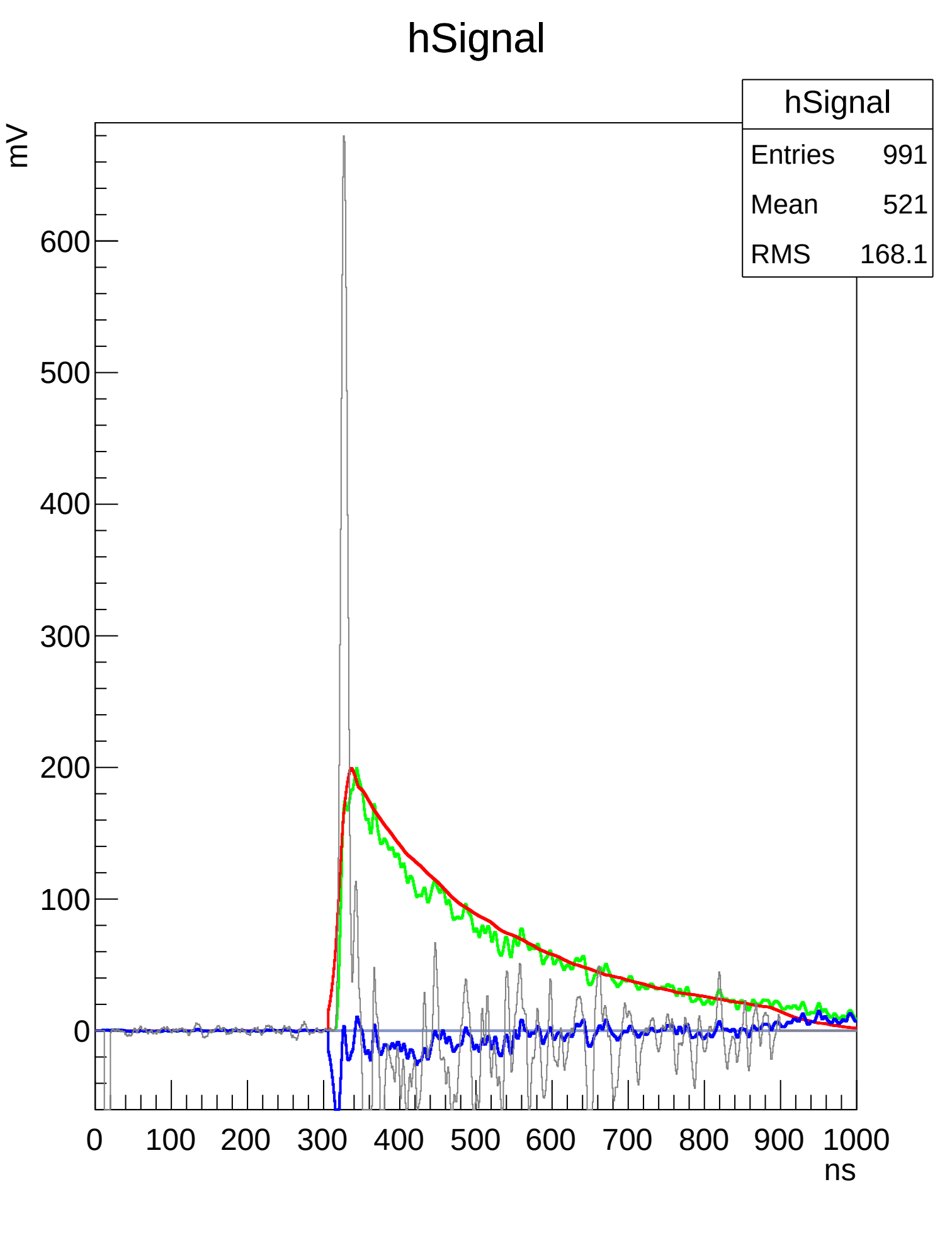

hSignal
hSignal
Entries 991
Mean 549.3
RMS 159.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

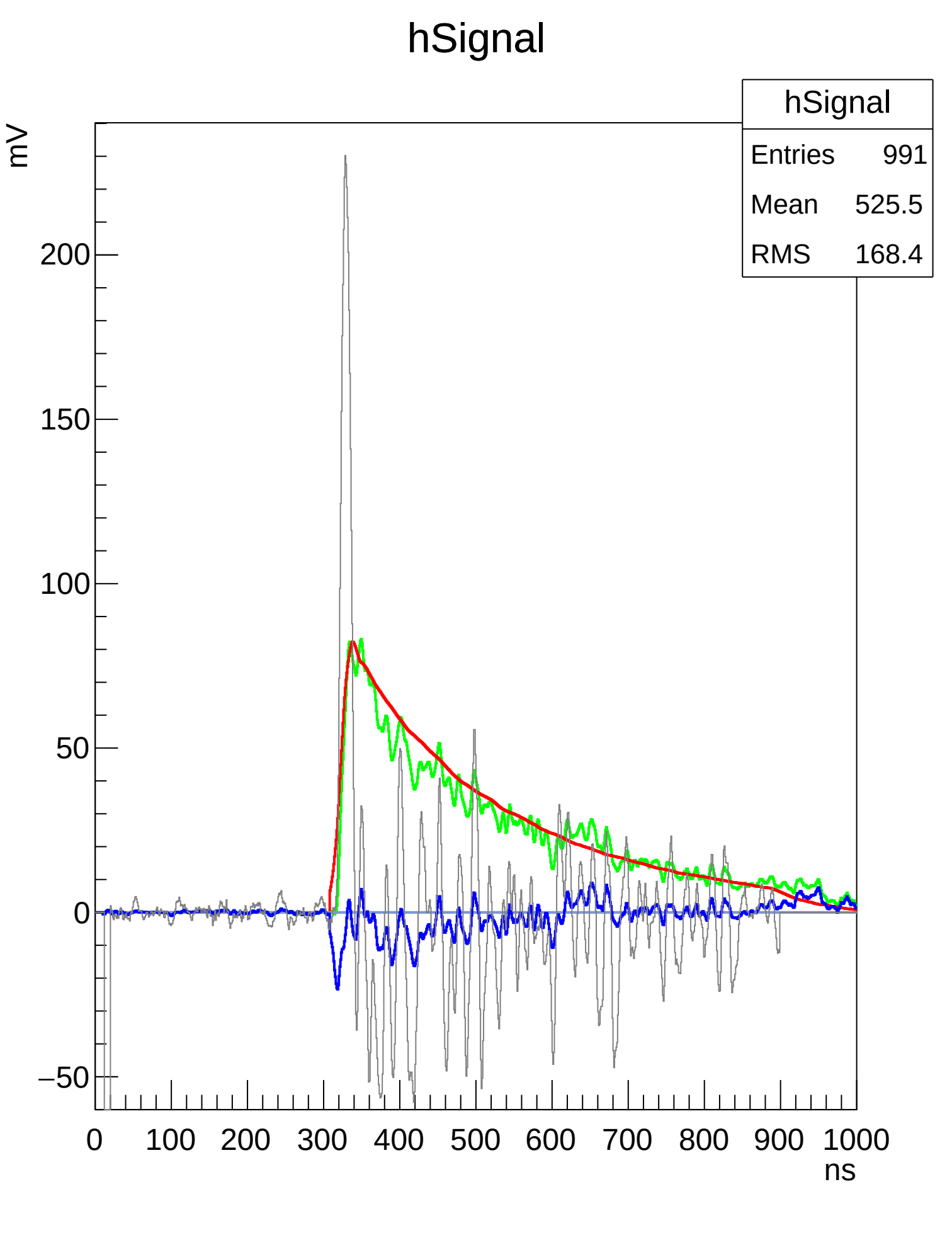

hSignal
hSignal
Entries 991
Mean 519.9
RMS 171.4
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

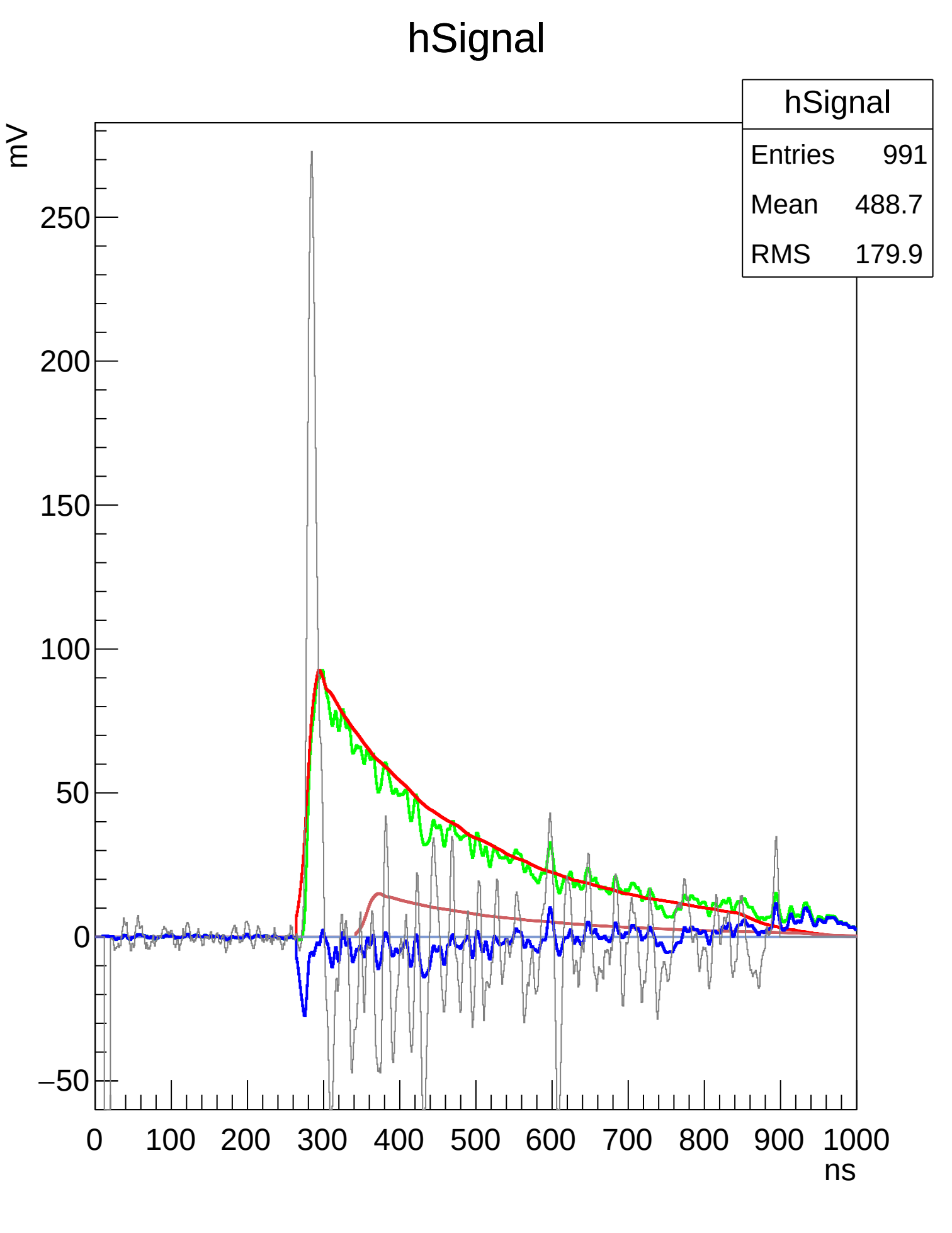

hSignal
hSignal
Entries 991
Mean 534.5
RMS 171.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

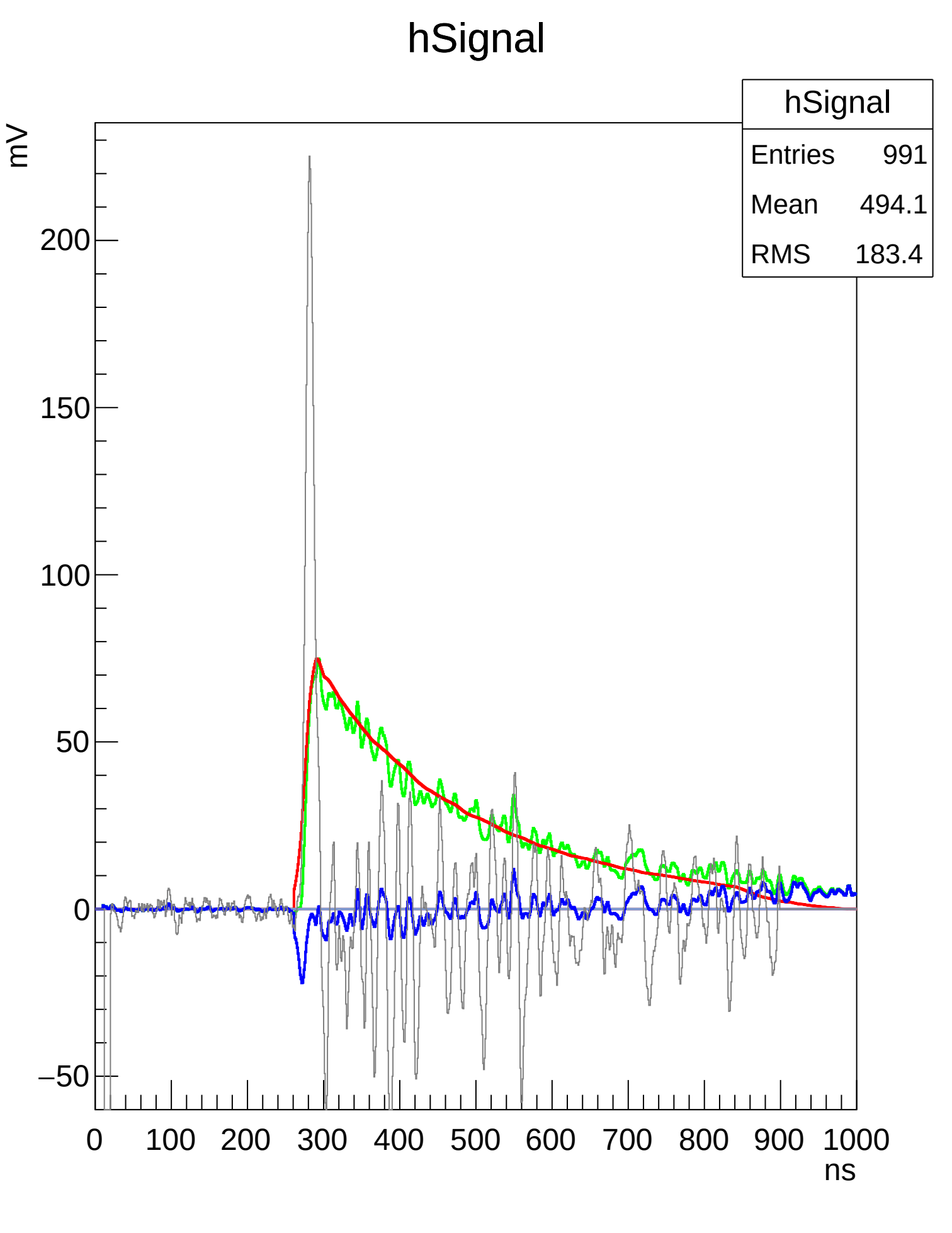

hSignal
hSignal
Entries 991
Mean 532.9
RMS 172.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

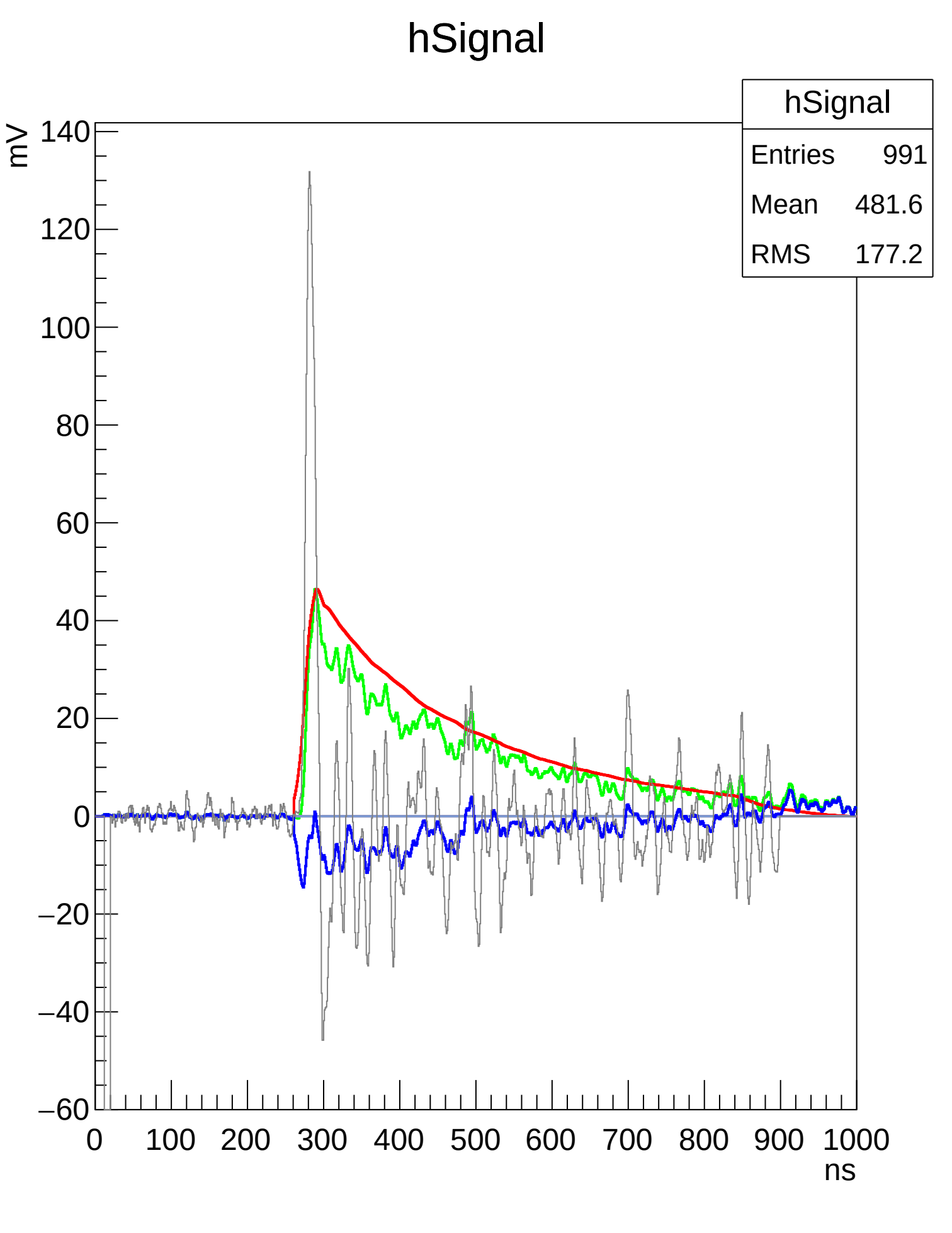

hSignal
hSignal
Entries 991
Mean 511.3
RMS 174.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

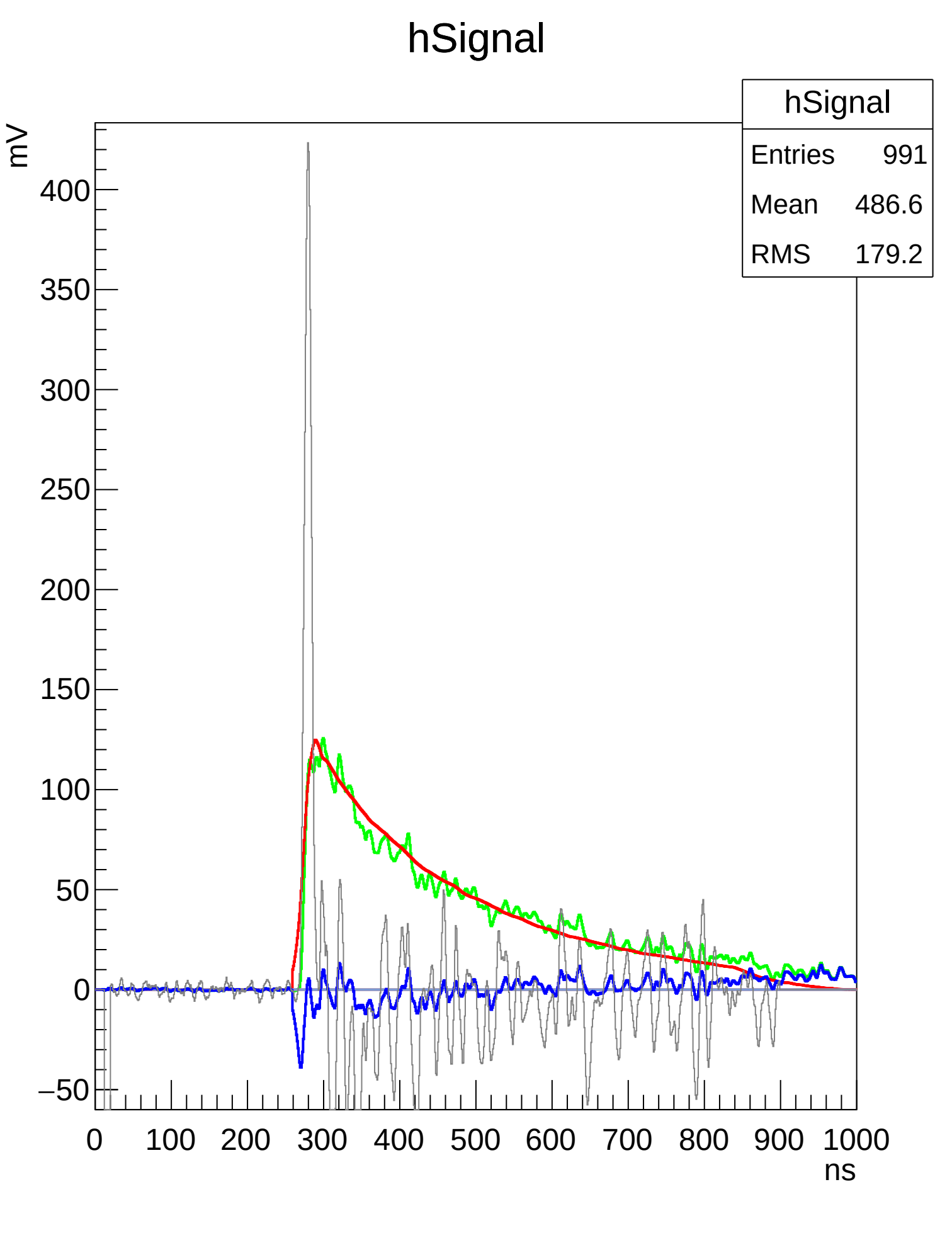

hSignal
hSignal
Entries 991
Mean 521
RMS 168.1
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

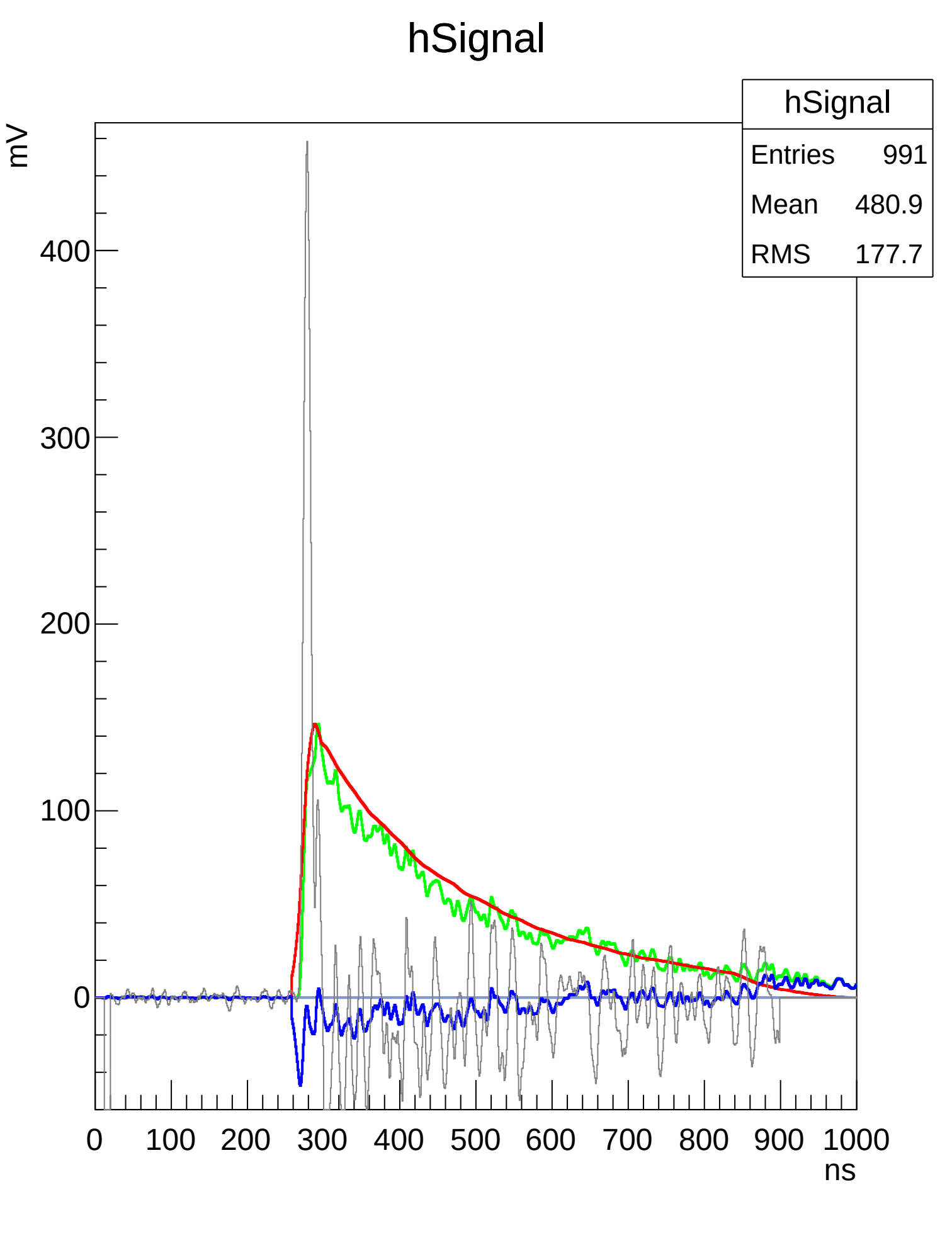

hSignal
hSignal
Entries 991
Mean 525.5
RMS 168.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

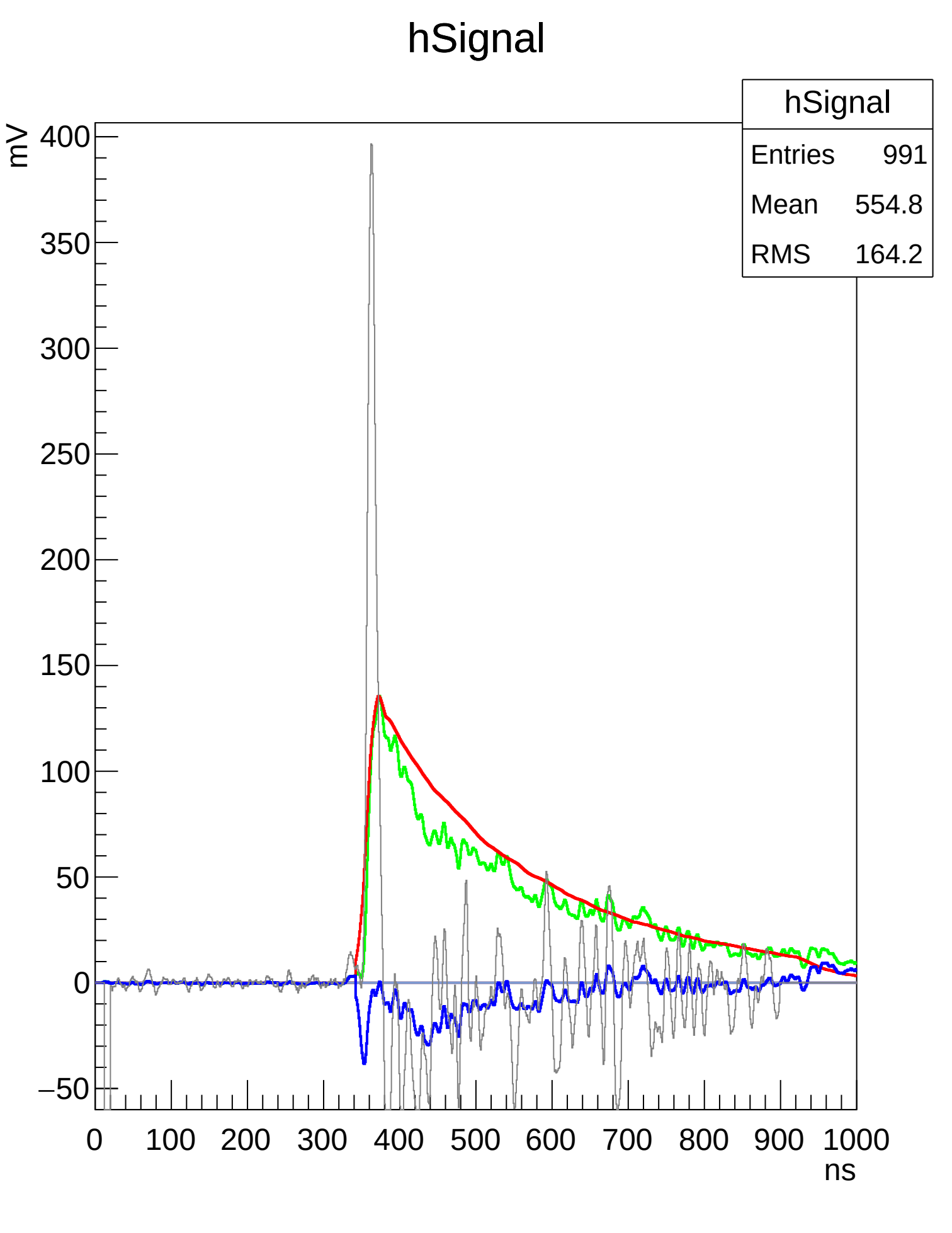

hSignal
hSignal
Entries 991
Mean 488.7
RMS 179.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

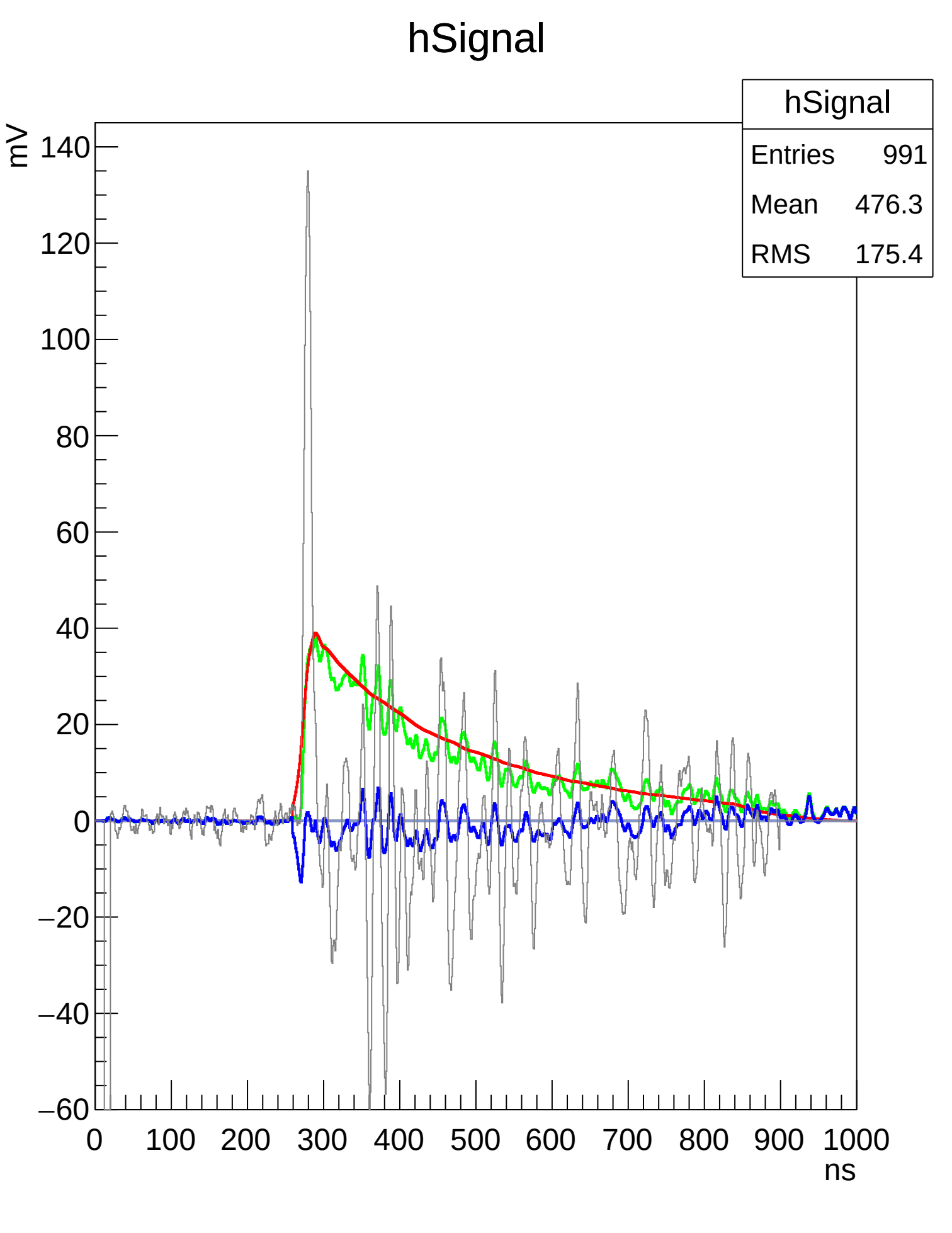

hSignal
hSignal
Entries 991
Mean 494.1
RMS 183.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

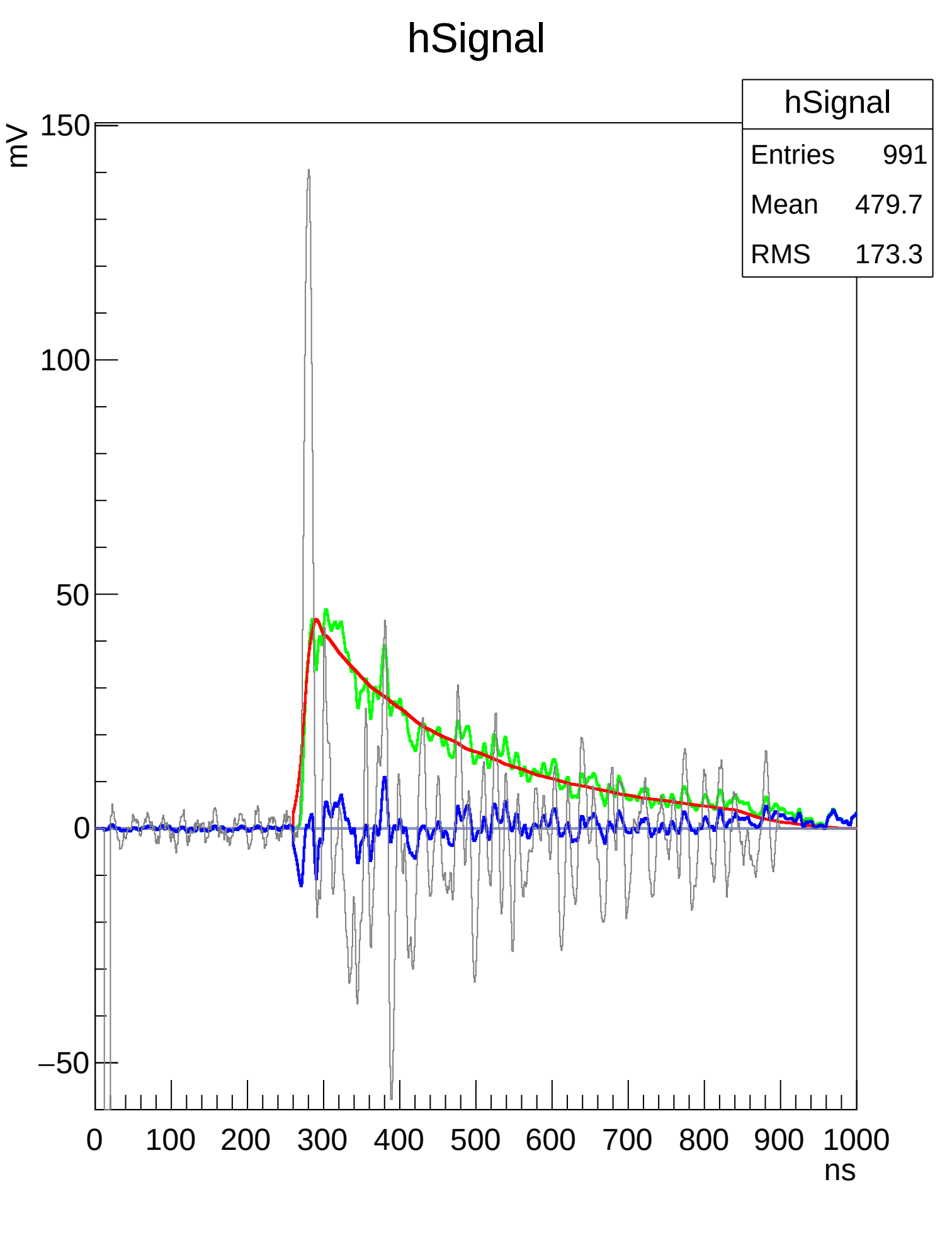

hSignal
hSignal
Entries 991
Mean 481.6
RMS 177.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

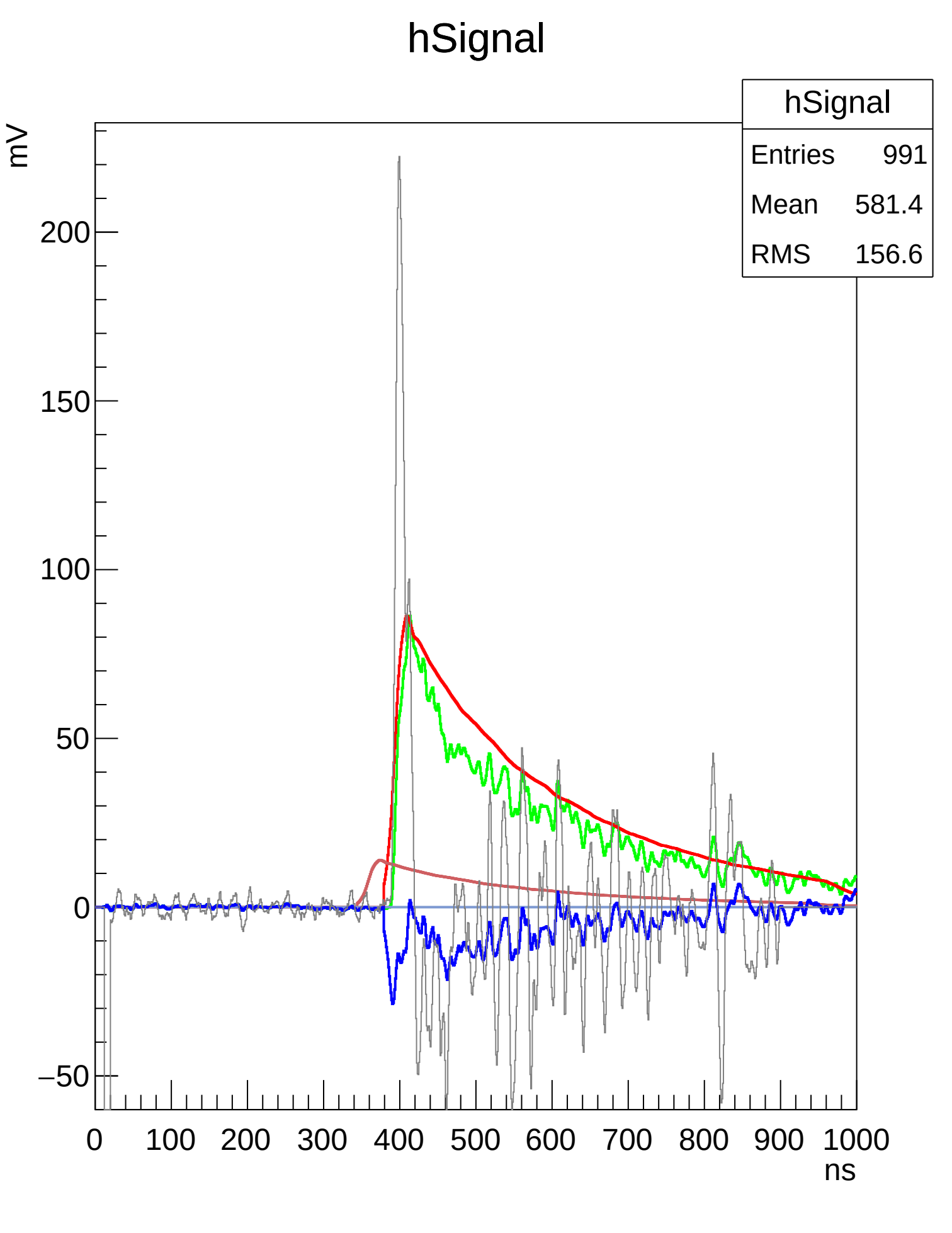

hSignal
hSignal
Entries 991
Mean 486.6
RMS 179.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

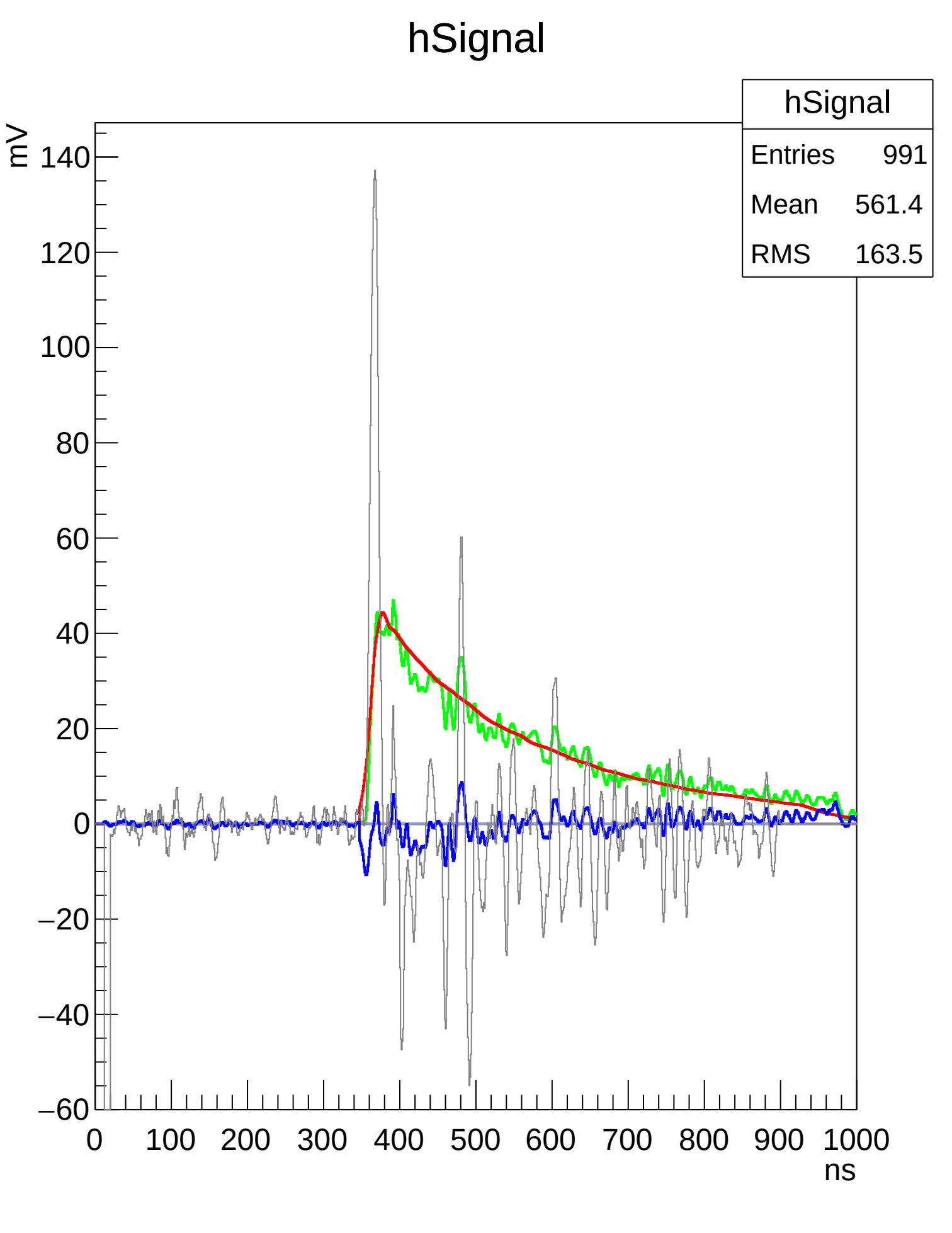

hSignal
hSignal
Entries 991
Mean 480.9
RMS 177.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

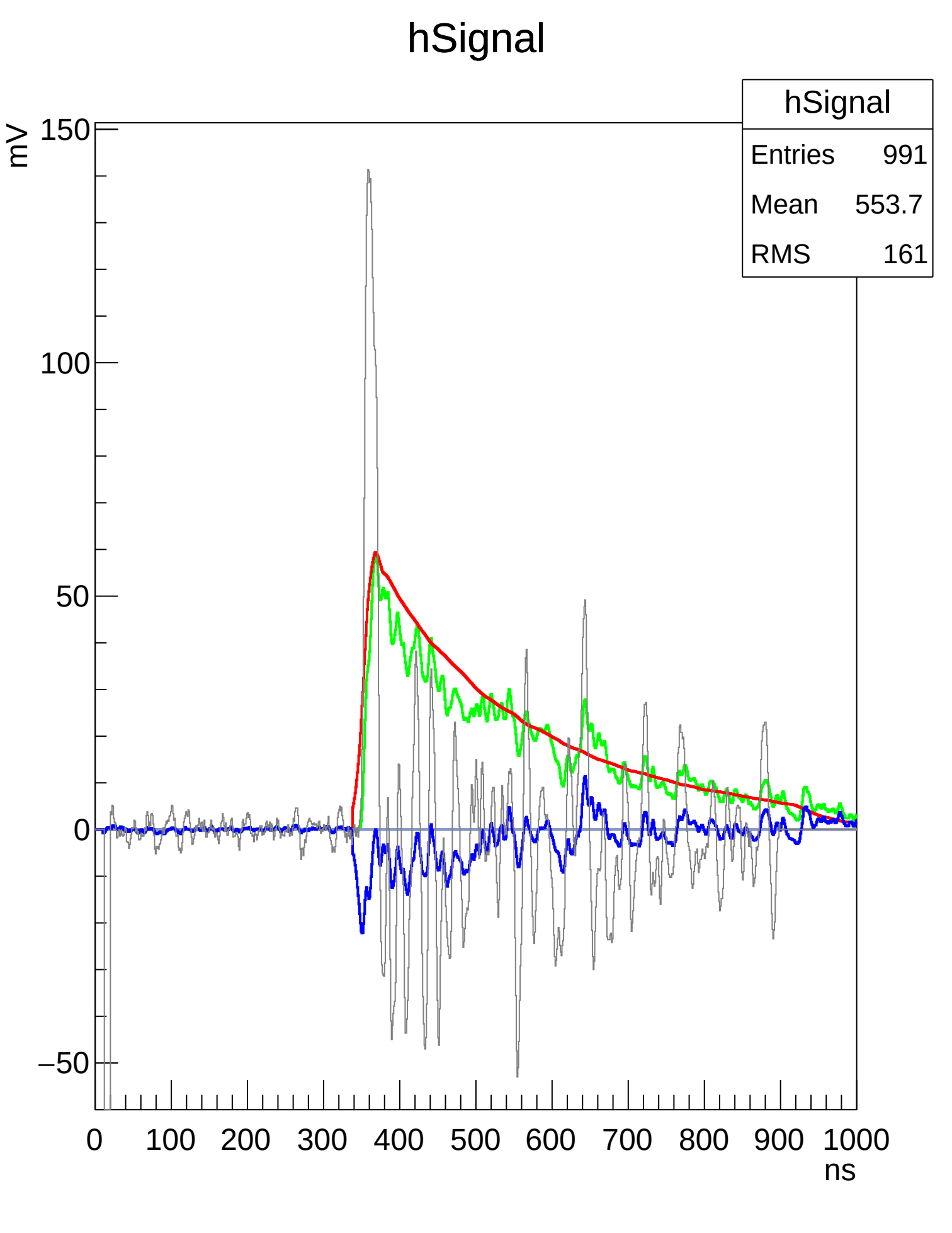

hSignal
hSignal
Entries 991
Mean 554.8
RMS 164.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

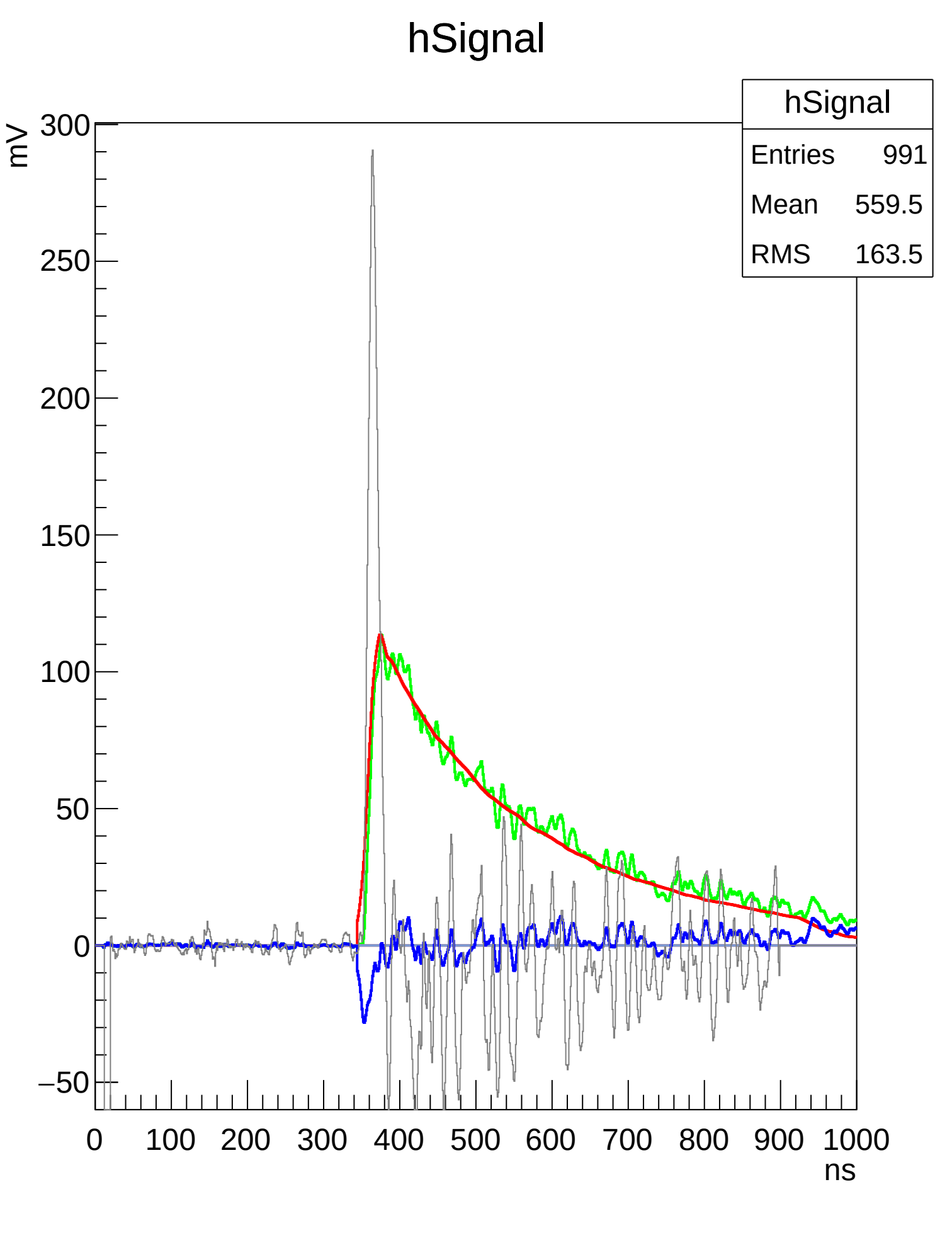

hSignal
hSignal
Entries 991
Mean 476.3
RMS 175.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

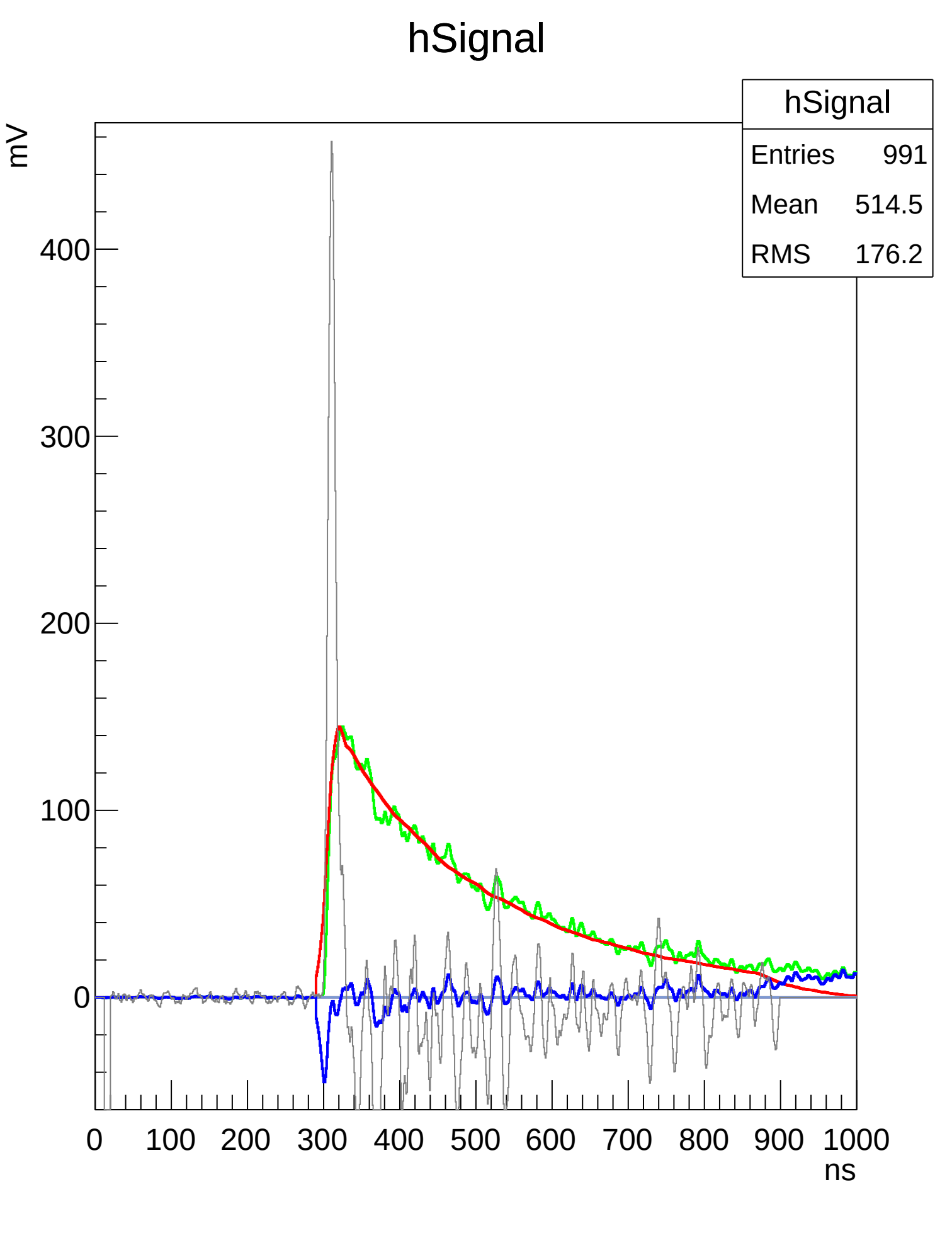

hSignal
hSignal
Entries 991
Mean 479.7
RMS 173.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

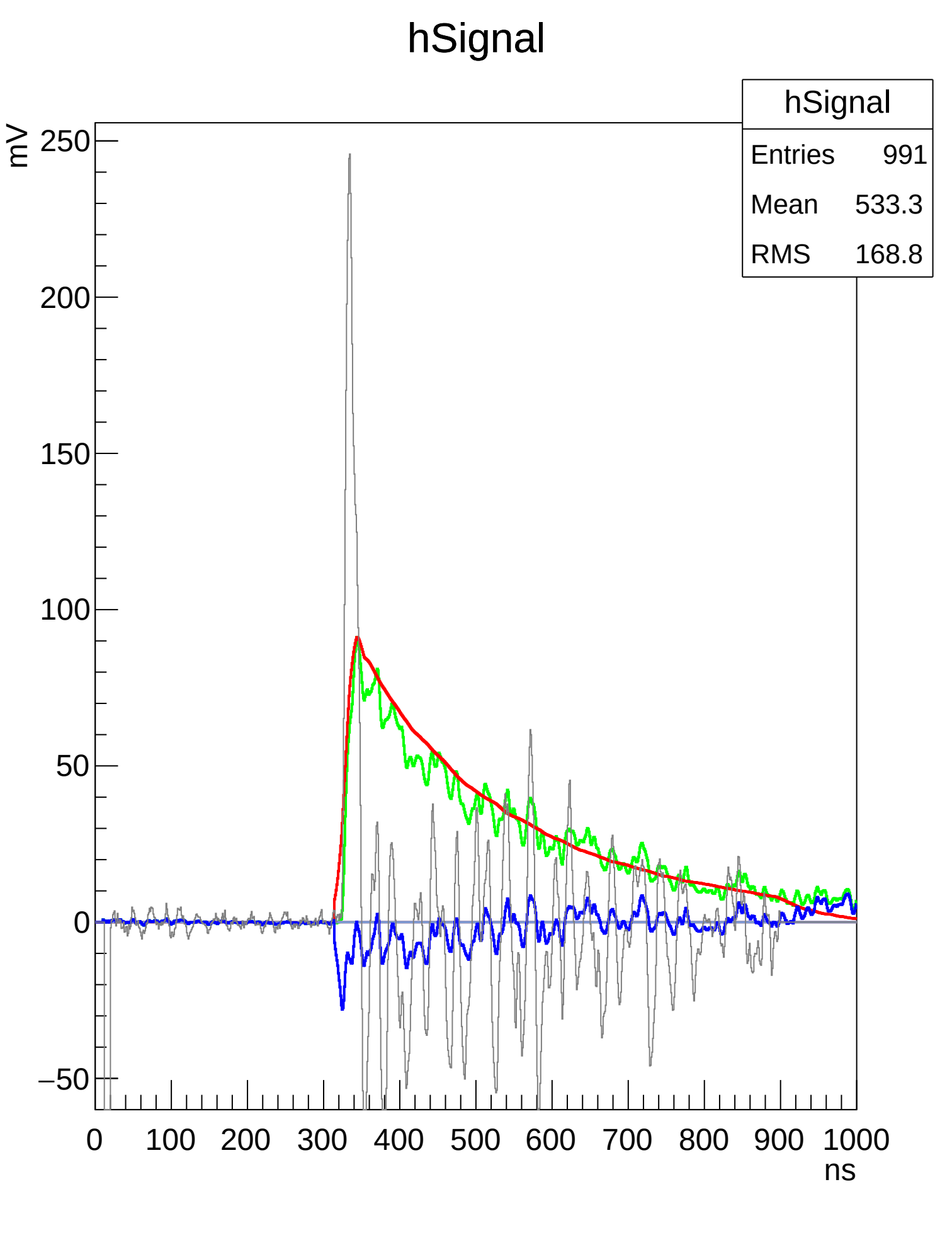

hSignal
hSignal
Entries 991
Mean 581.4
RMS 156.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

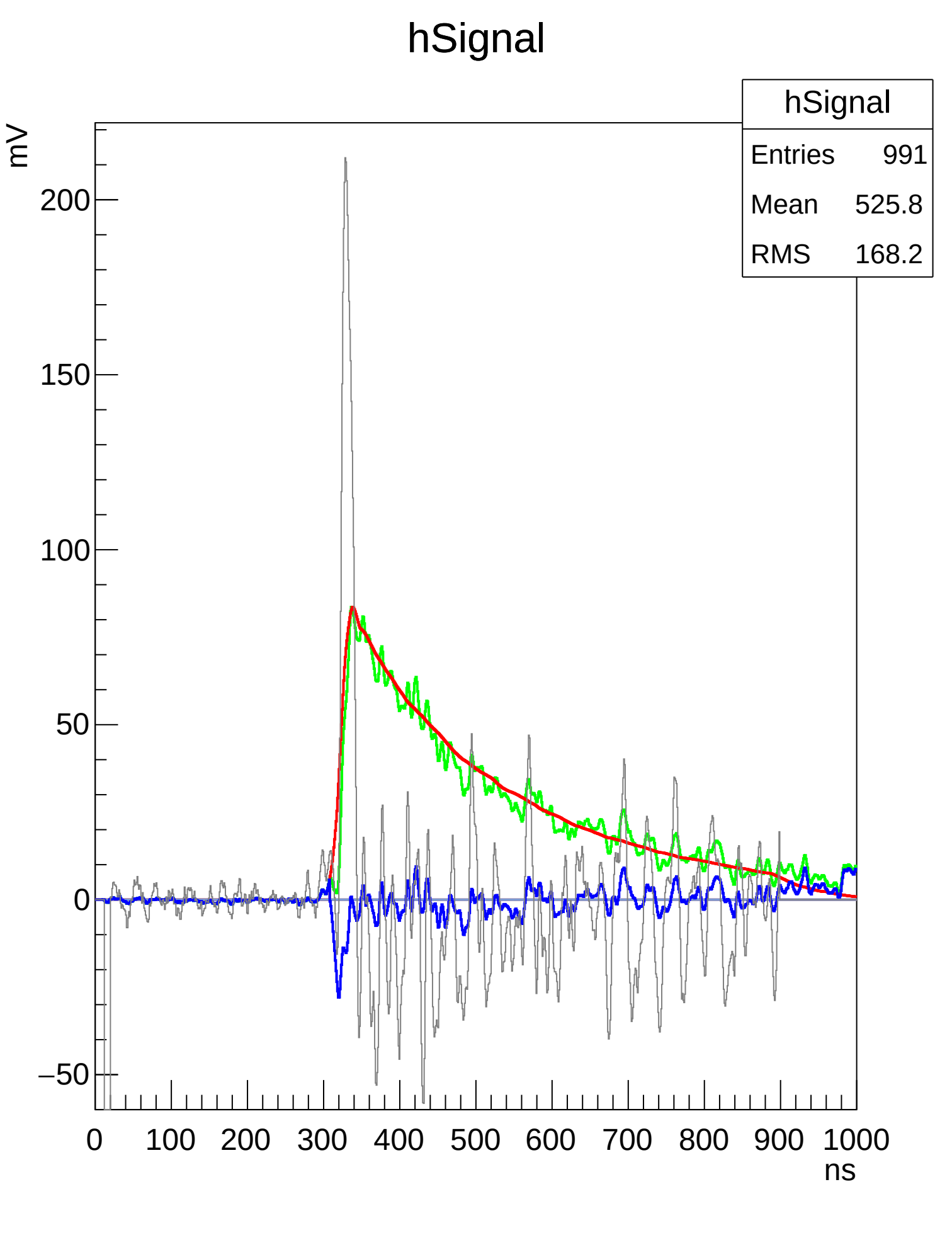

hSignal
hSignal
Entries 991
Mean 561.4
RMS 163.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

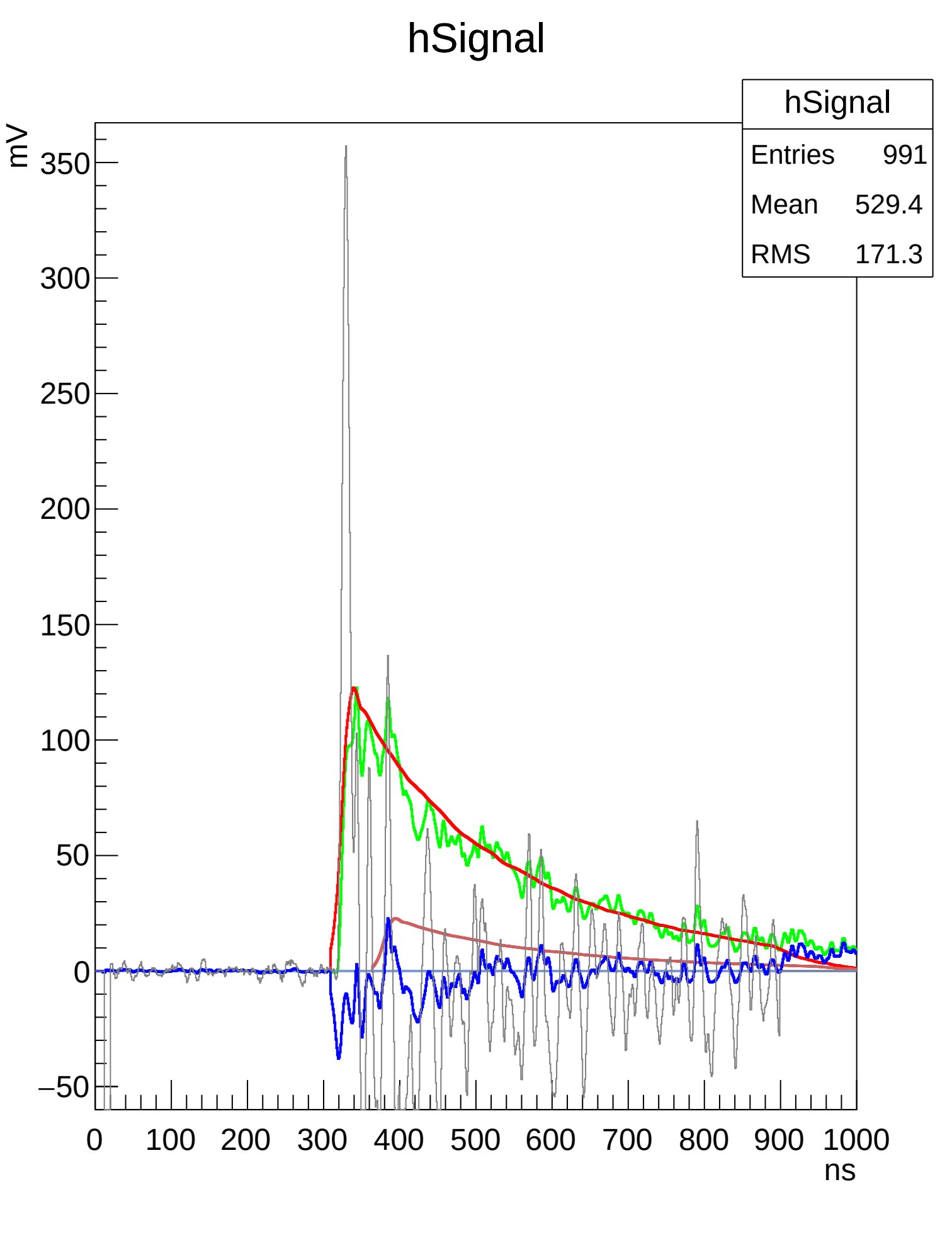

hSignal
hSignal
Entries 991
Mean 553.7
RMS 161
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

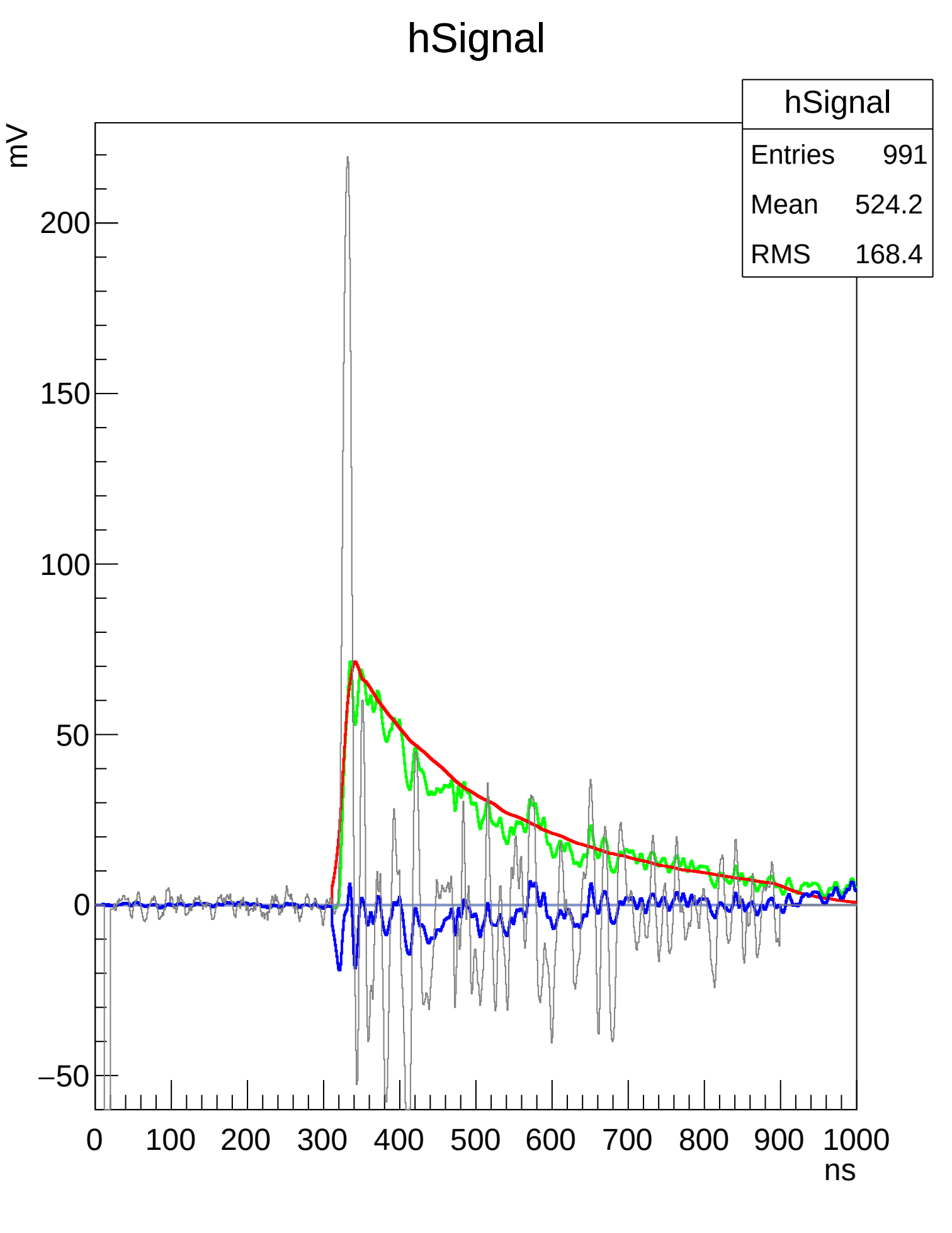

hSignal
hSignal
Entries 991
Mean 559.5
RMS 163.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

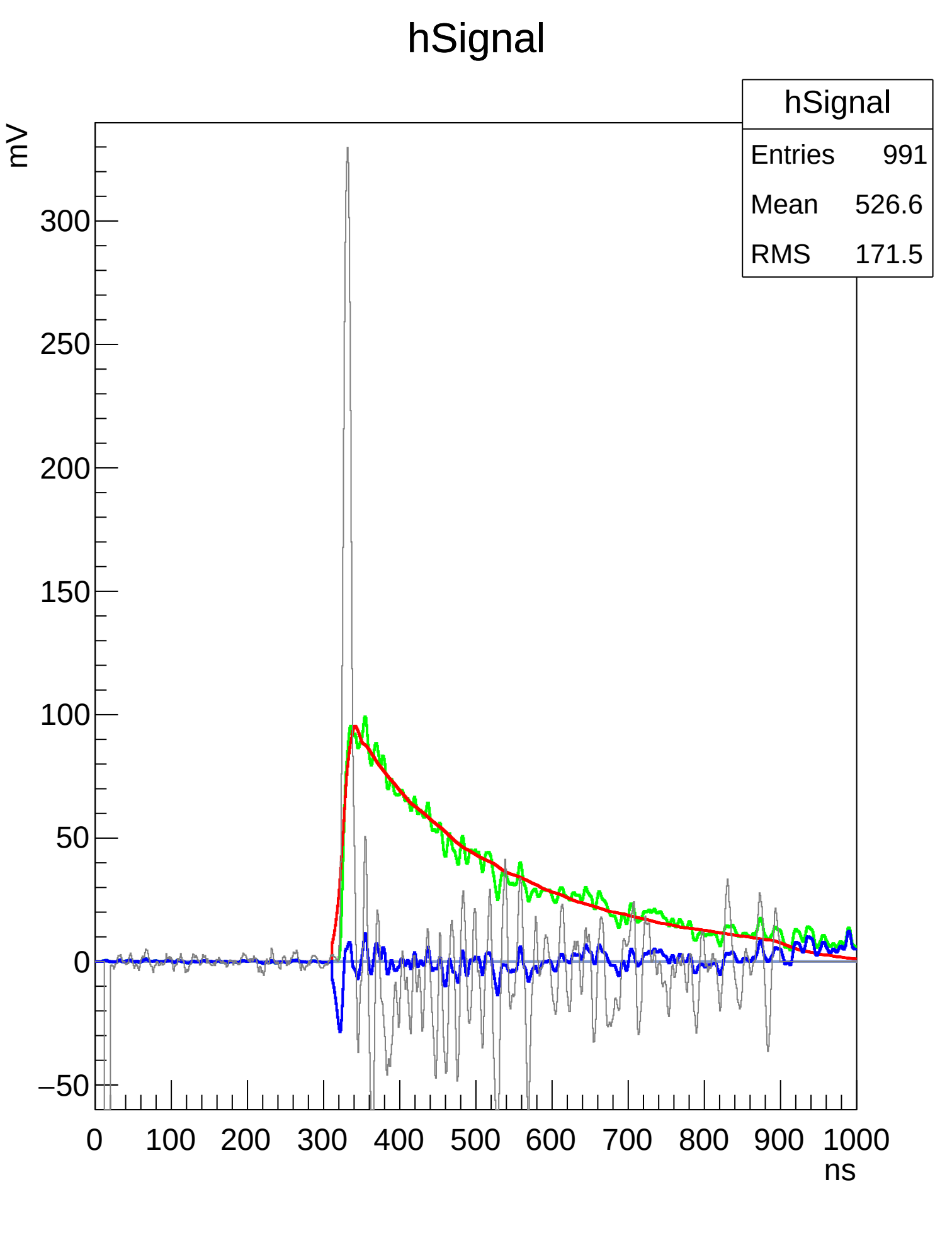

hSignal
hSignal
Entries 991
Mean 514.5
RMS 176.2
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

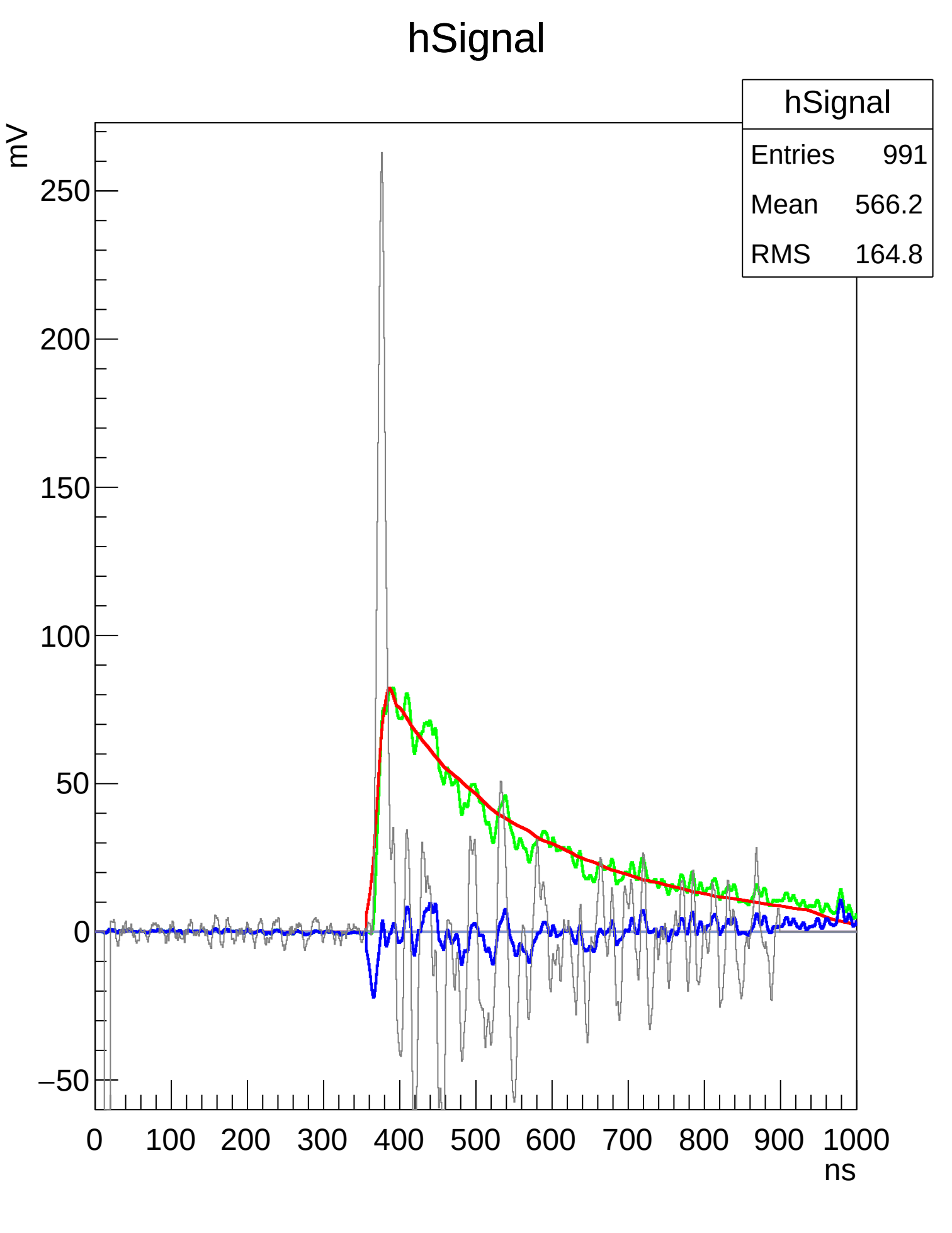

hSignal
hSignal
Entries 991
Mean 533.3
RMS 168.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

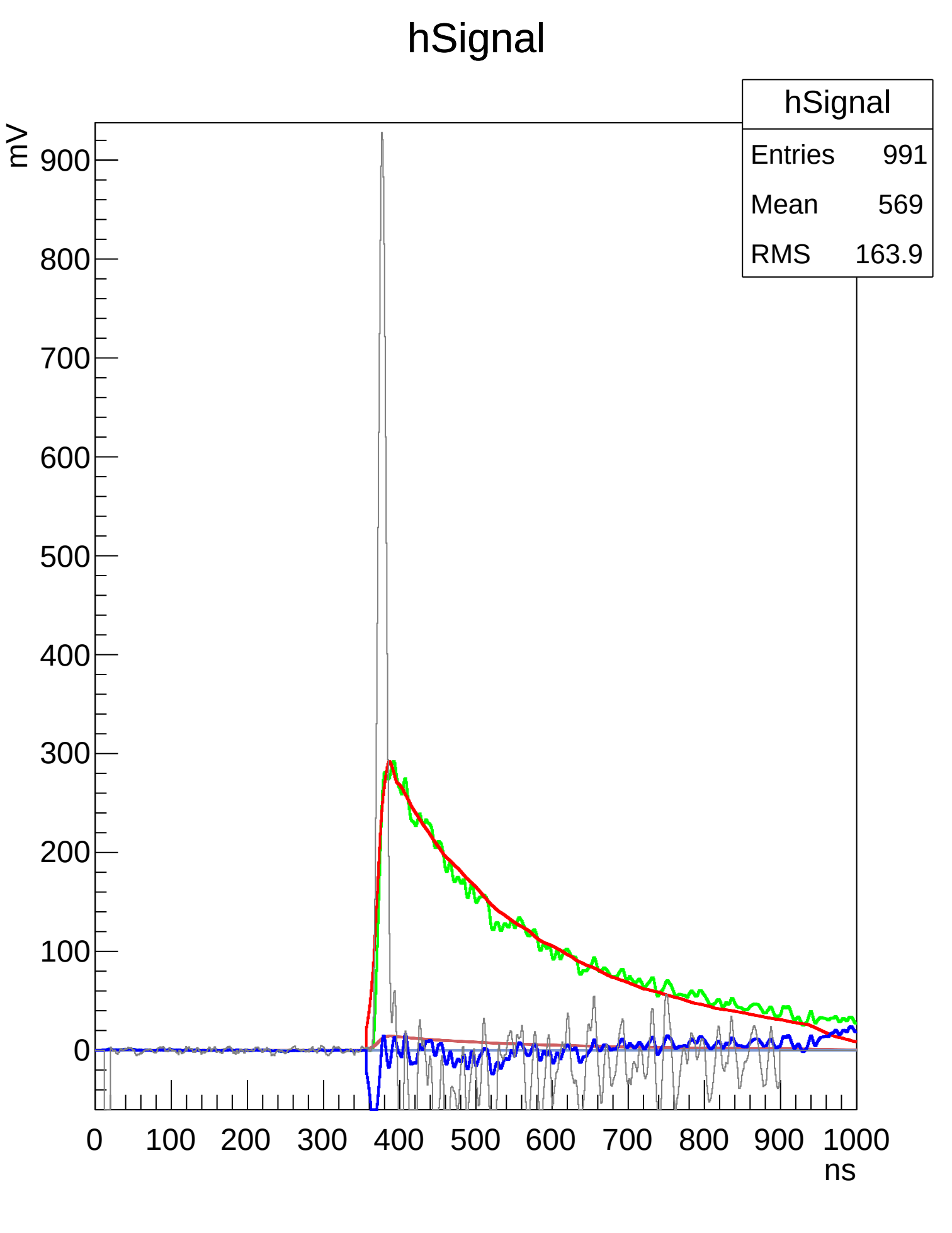

hSignal
hSignal
Entries 991
Mean 525.8
RMS 168.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

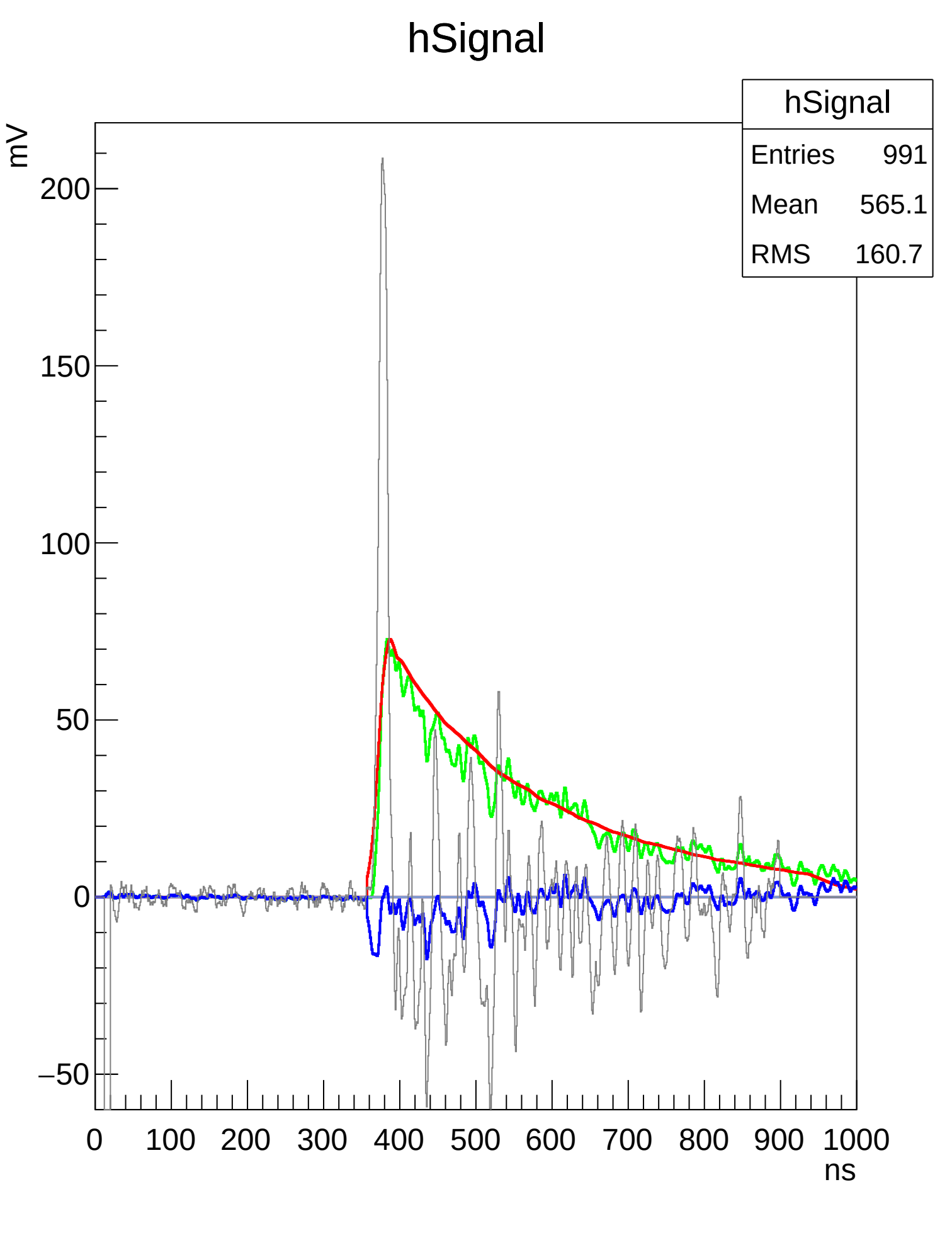

hSignal
hSignal
Entries 991
Mean 529.4
RMS 171.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

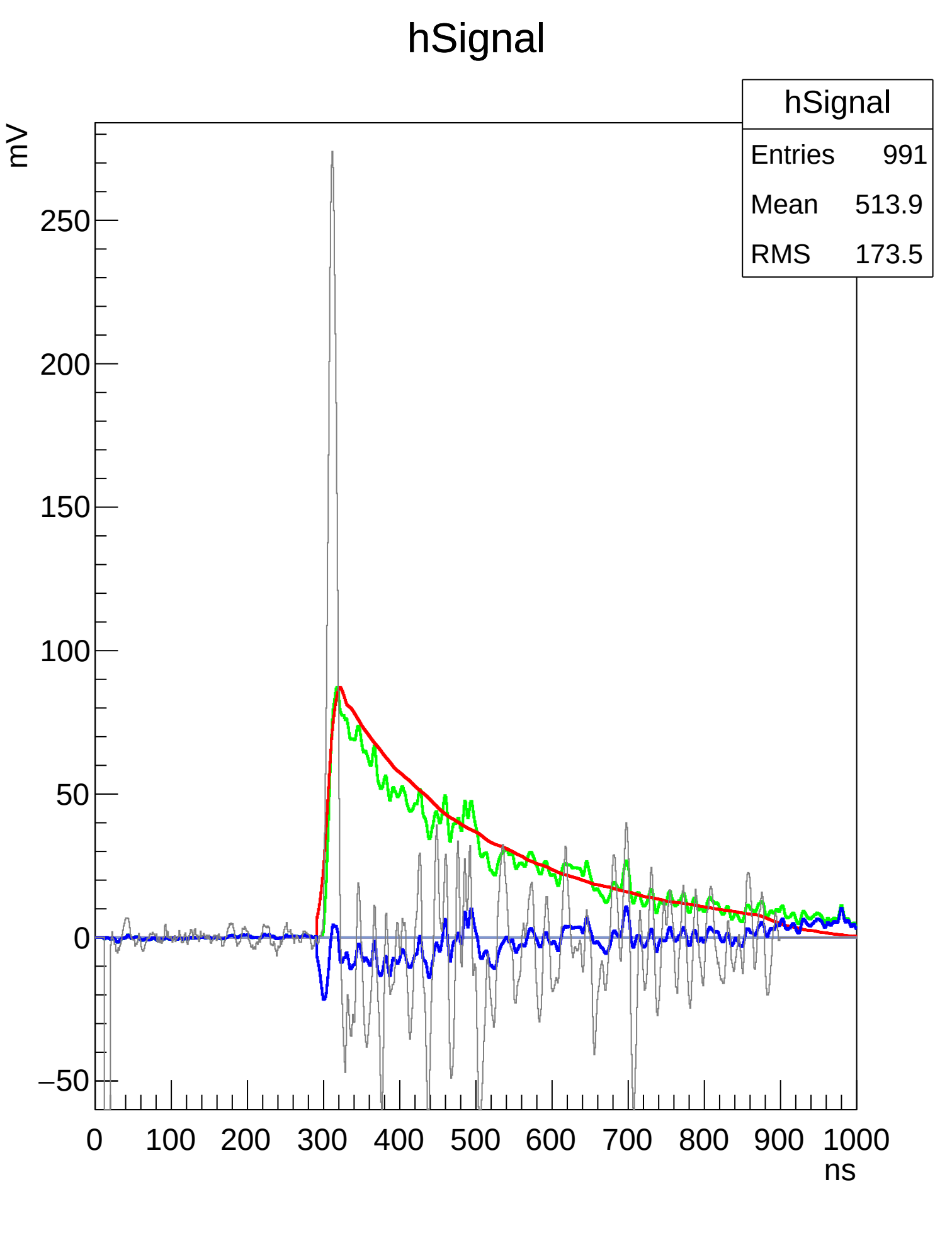

hSignal
hSignal
Entries 991
Mean 524.2
RMS 168.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

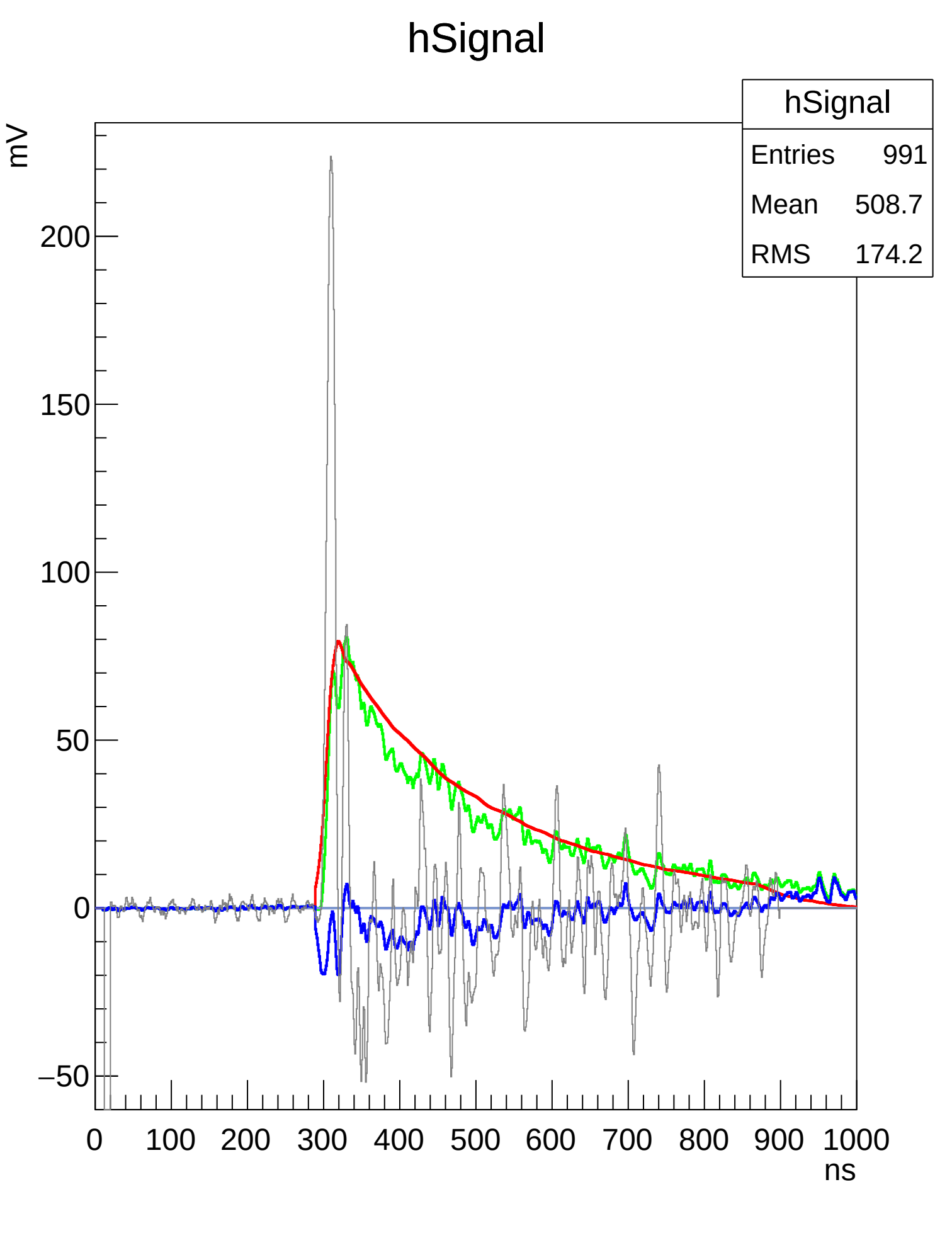

hSignal
hSignal
Entries 991
Mean 526.6
RMS 171.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

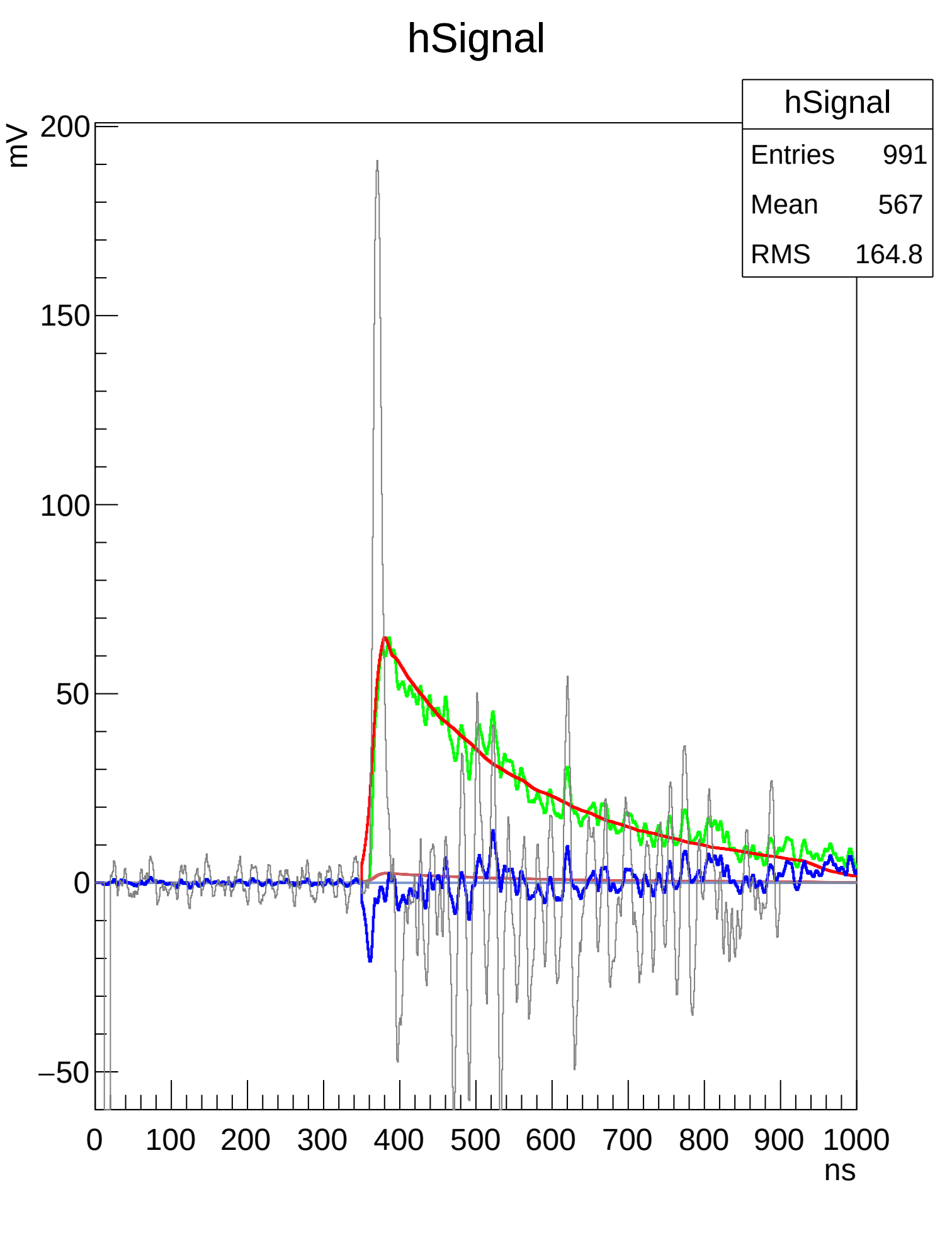

hSignal
hSignal
Entries 991
Mean 566.2
RMS 164.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

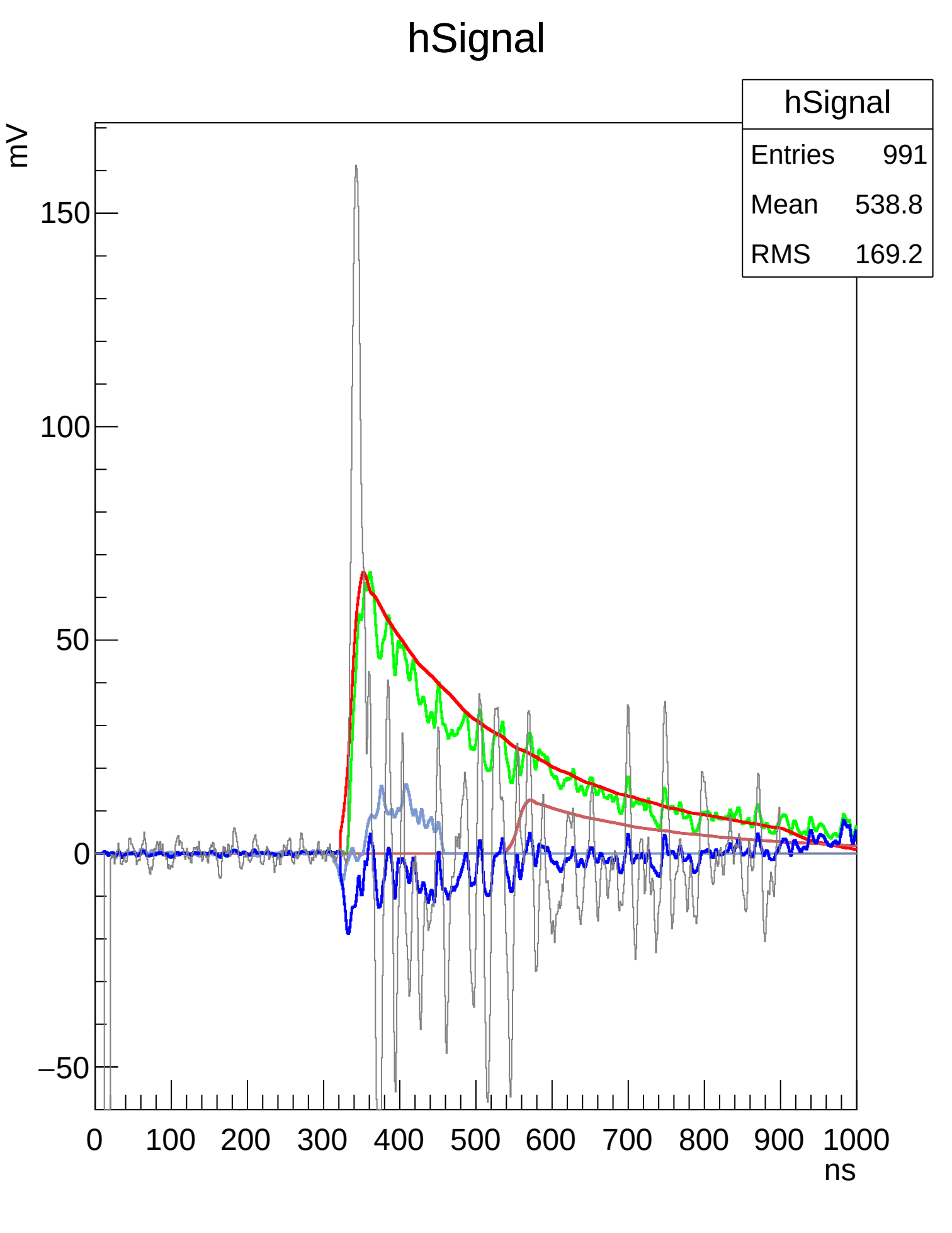

hSignal
hSignal
Entries 991
Mean 569
RMS 163.9
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

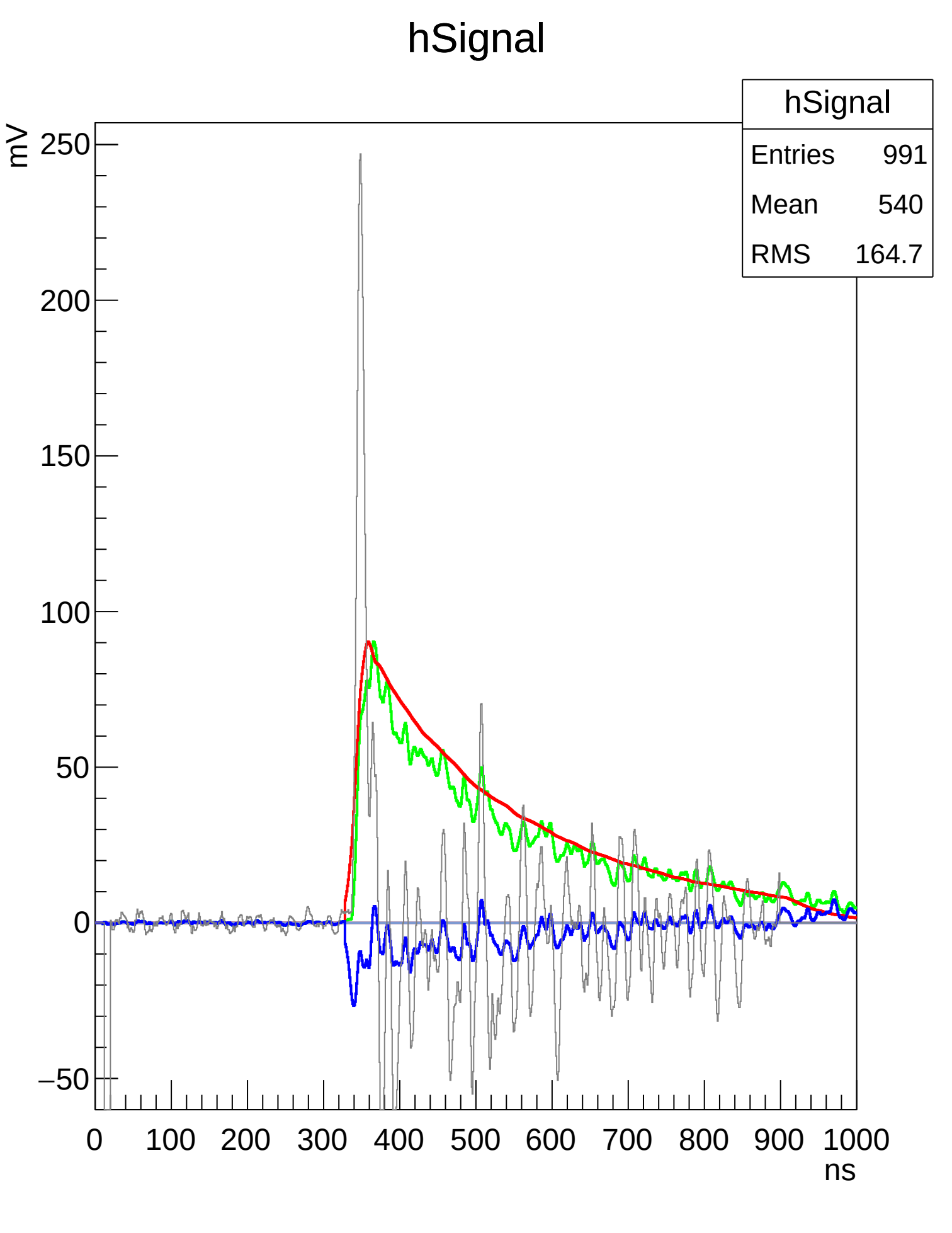

hSignal
hSignal
Entries 991
Mean 565.1
RMS 160.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

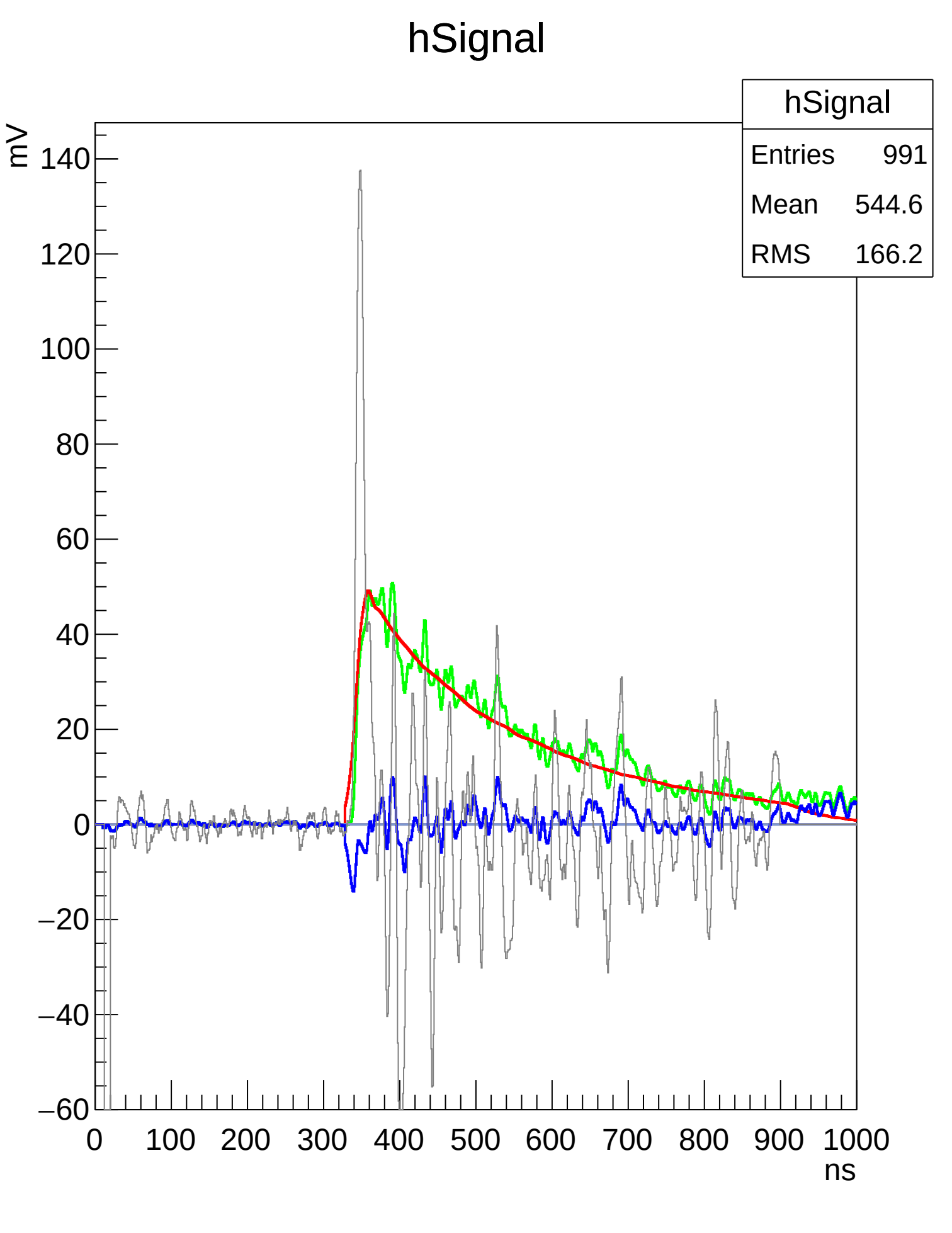

hSignal
hSignal
Entries 991
Mean 513.9
RMS 173.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

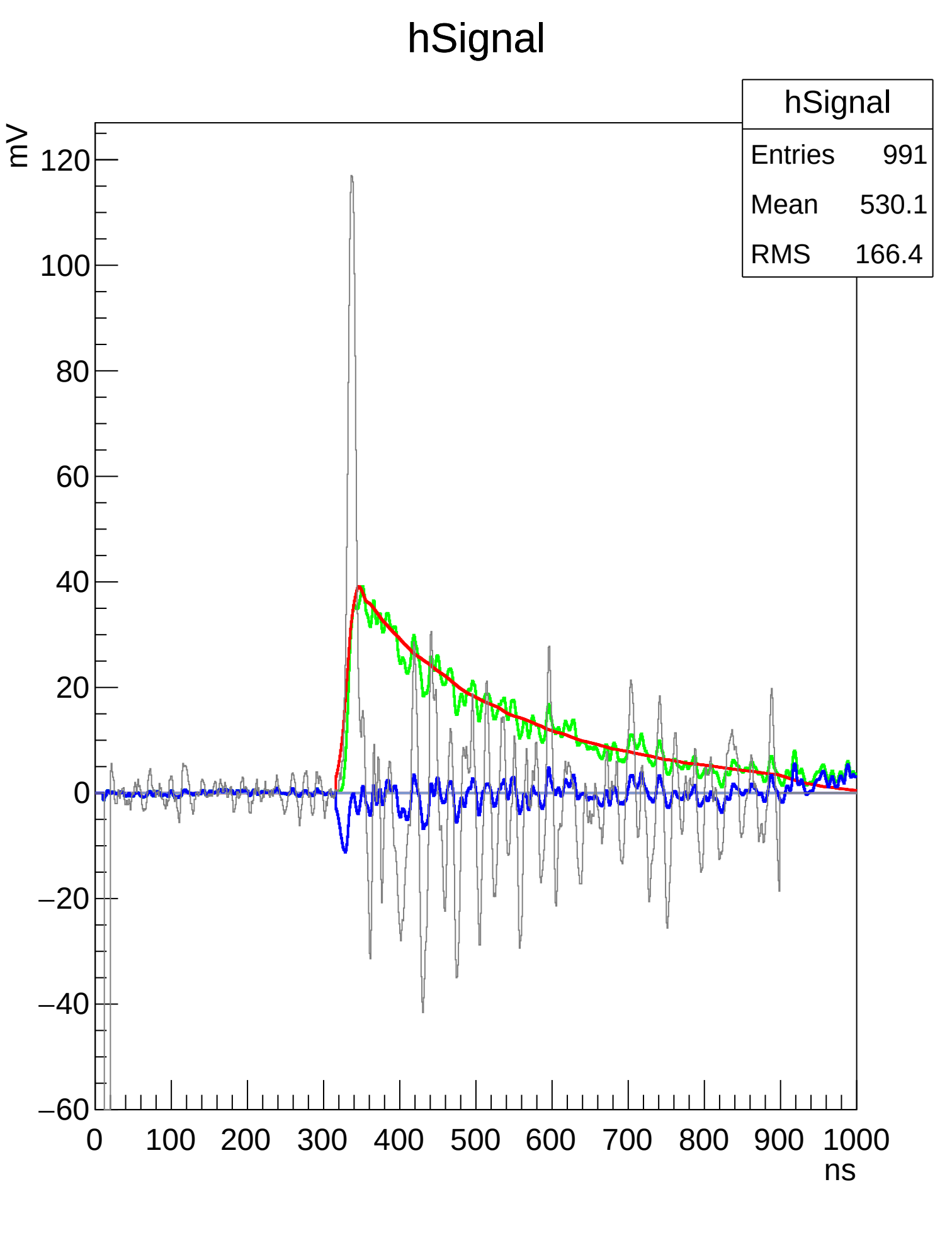

hSignal
hSignal
Entries 991
Mean 508.7
RMS 174.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

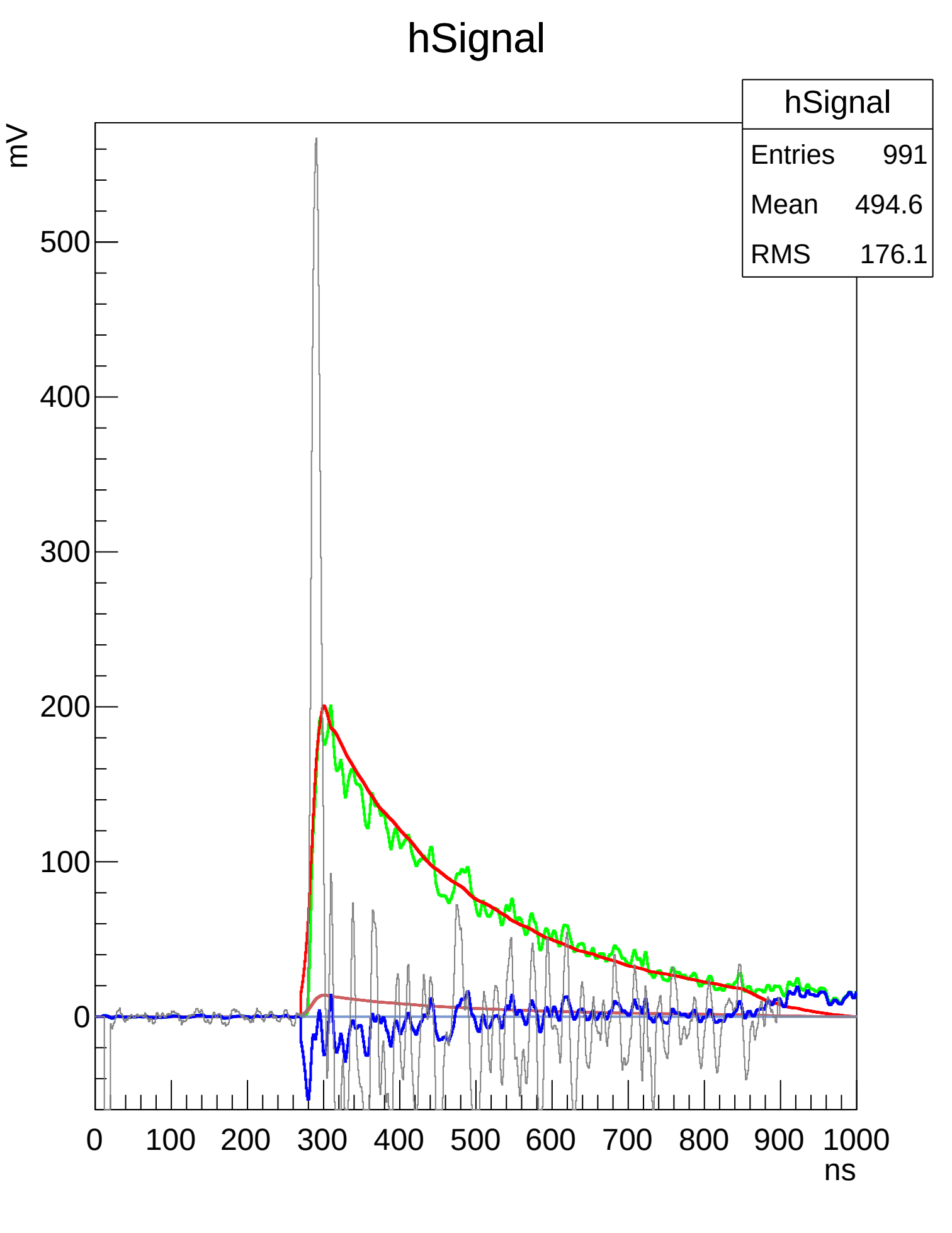

hSignal
hSignal
Entries 991
Mean 567
RMS 164.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

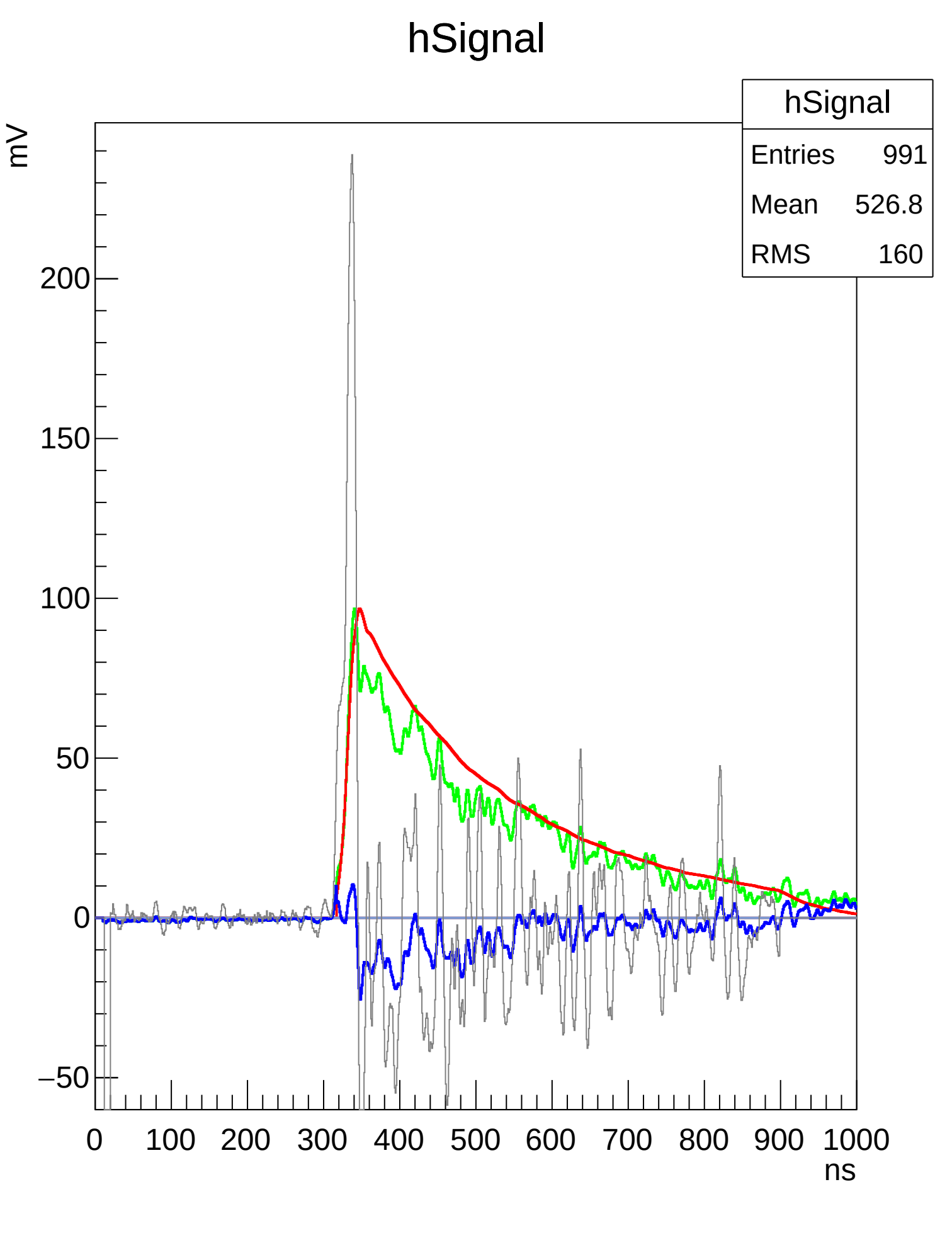

hSignal
hSignal
Entries 991
Mean 538.8
RMS 169.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

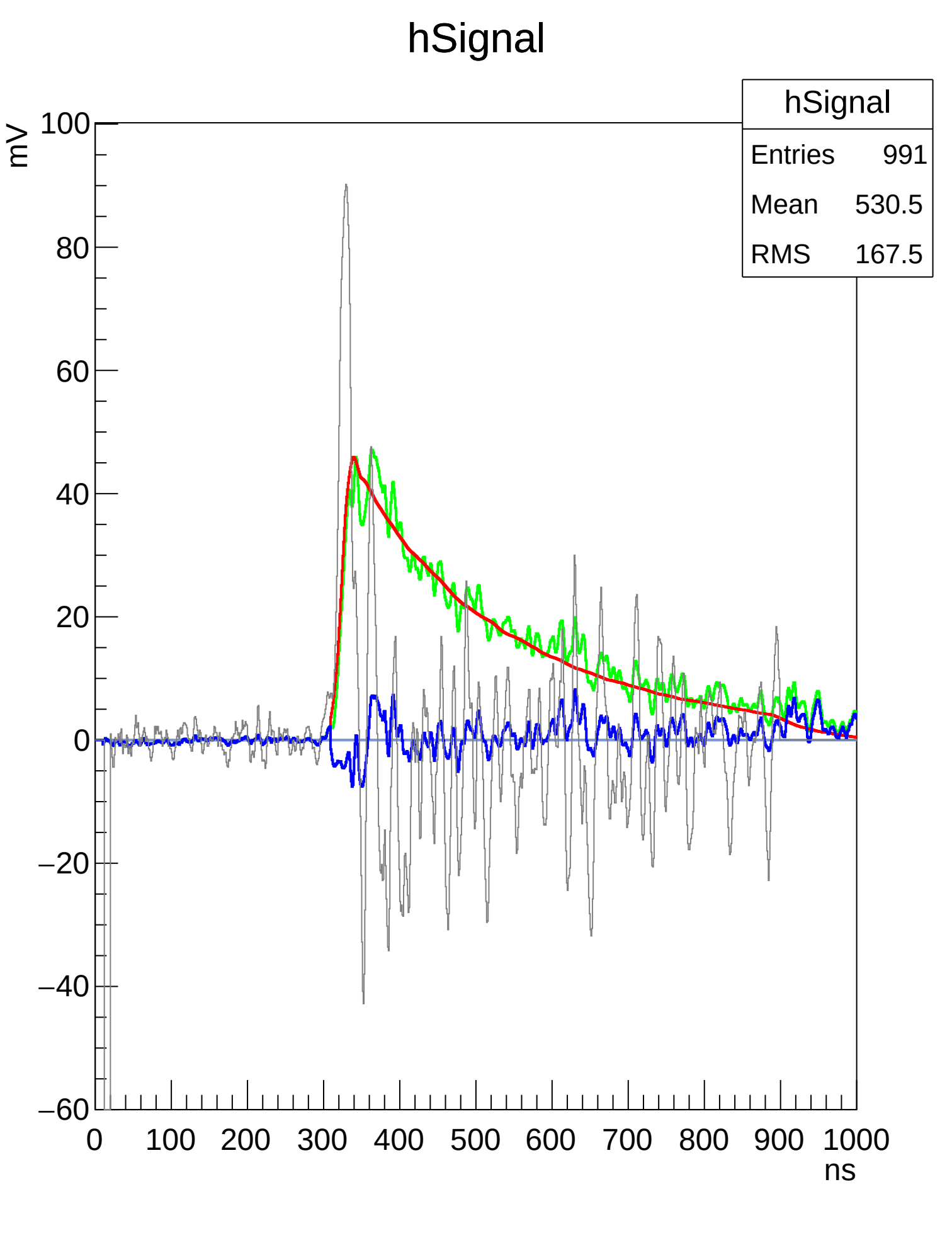

hSignal
hSignal
Entries 991
Mean 540
RMS 164.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

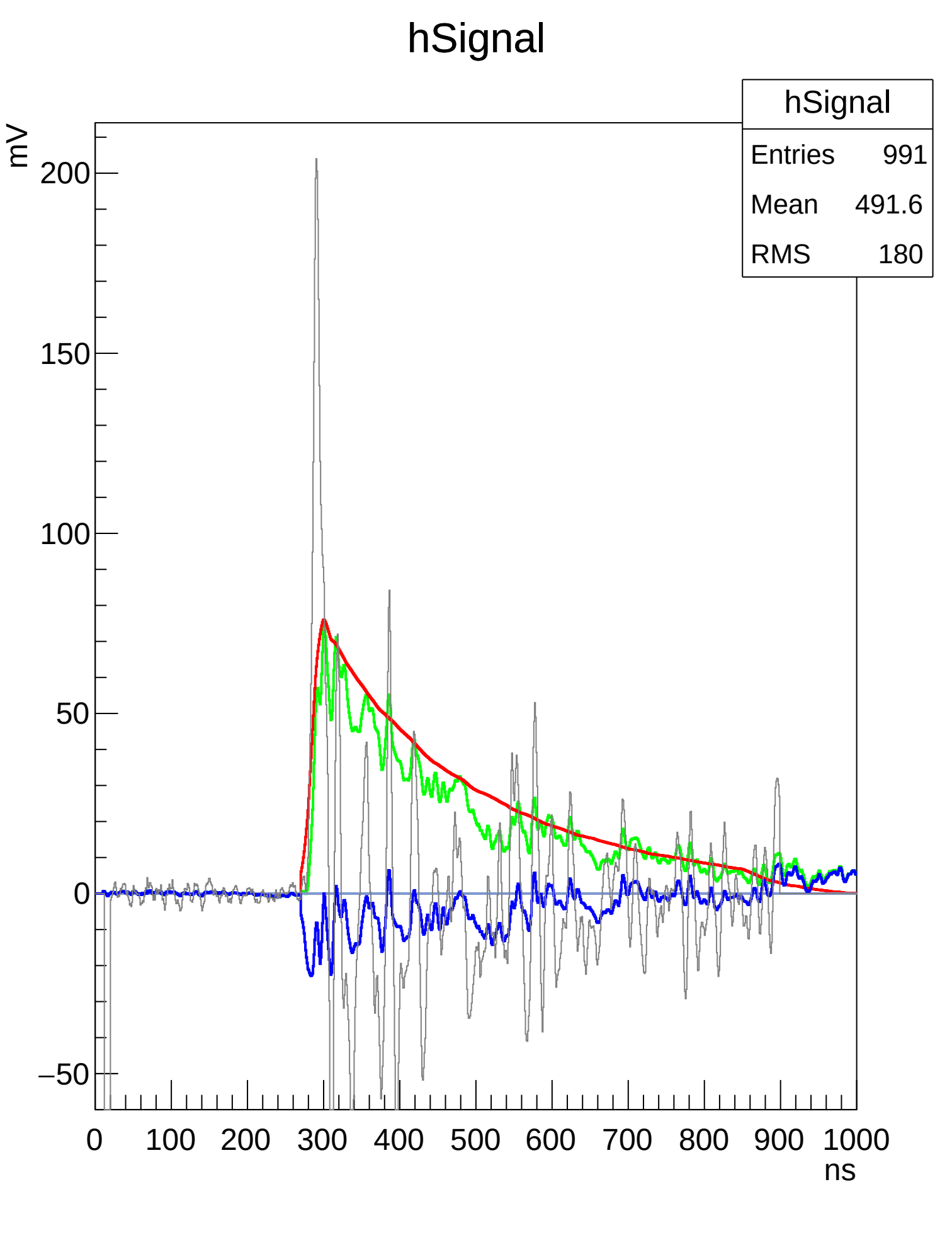

hSignal
hSignal
Entries 991
Mean 544.6
RMS 166.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

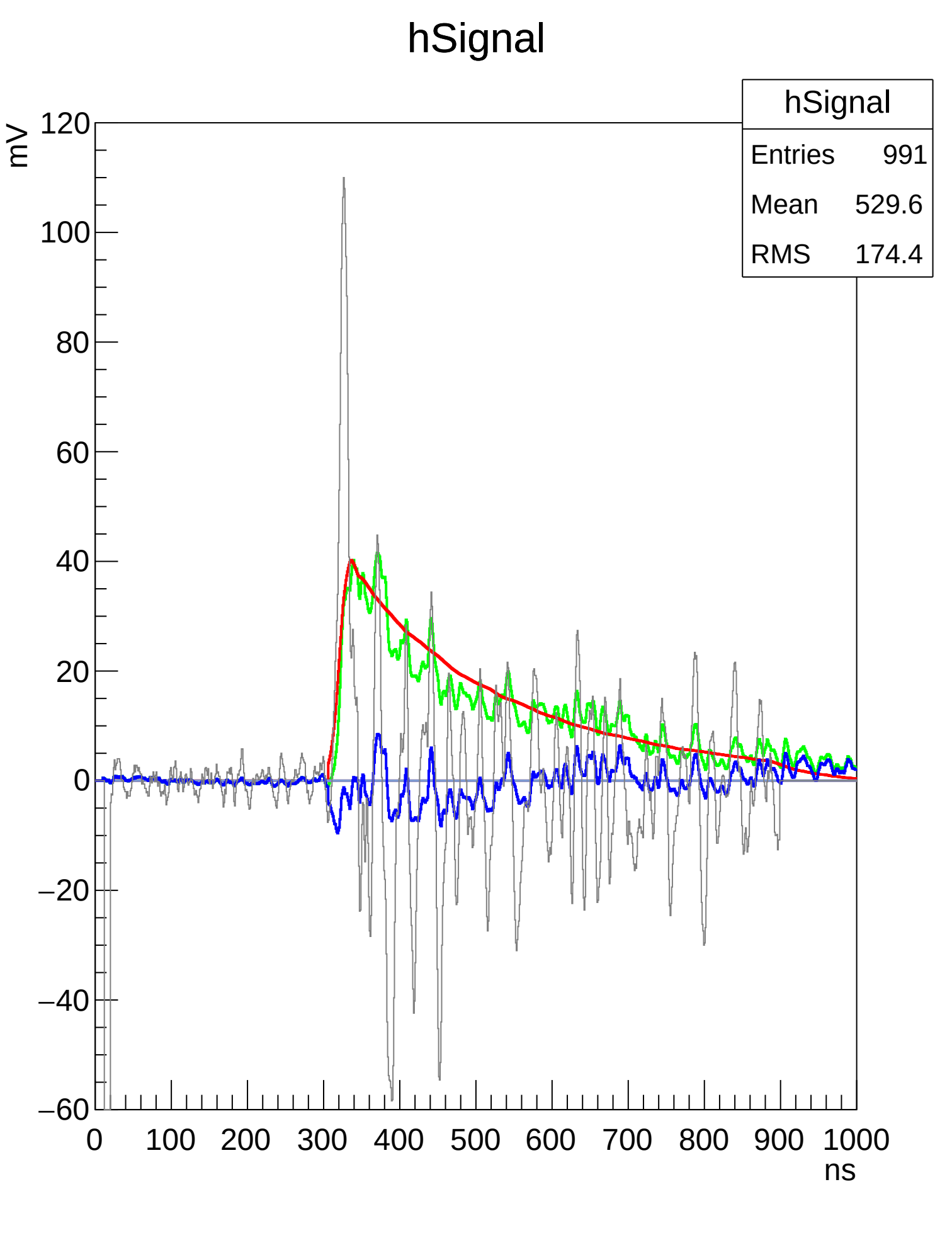

hSignal
hSignal
Entries 991
Mean 530.1
RMS 166.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

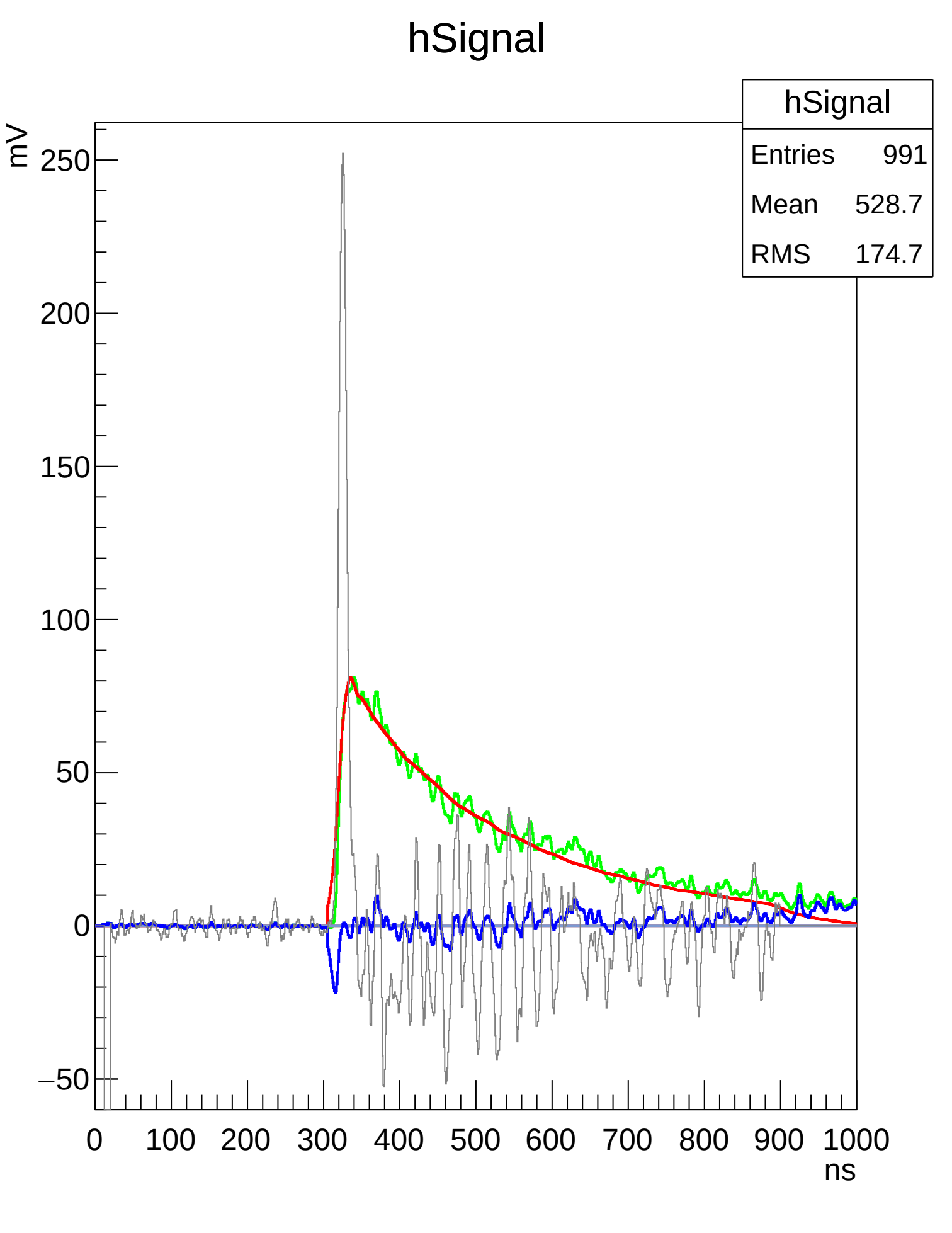

hSignal
hSignal
Entries 991
Mean 494.6
RMS 176.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

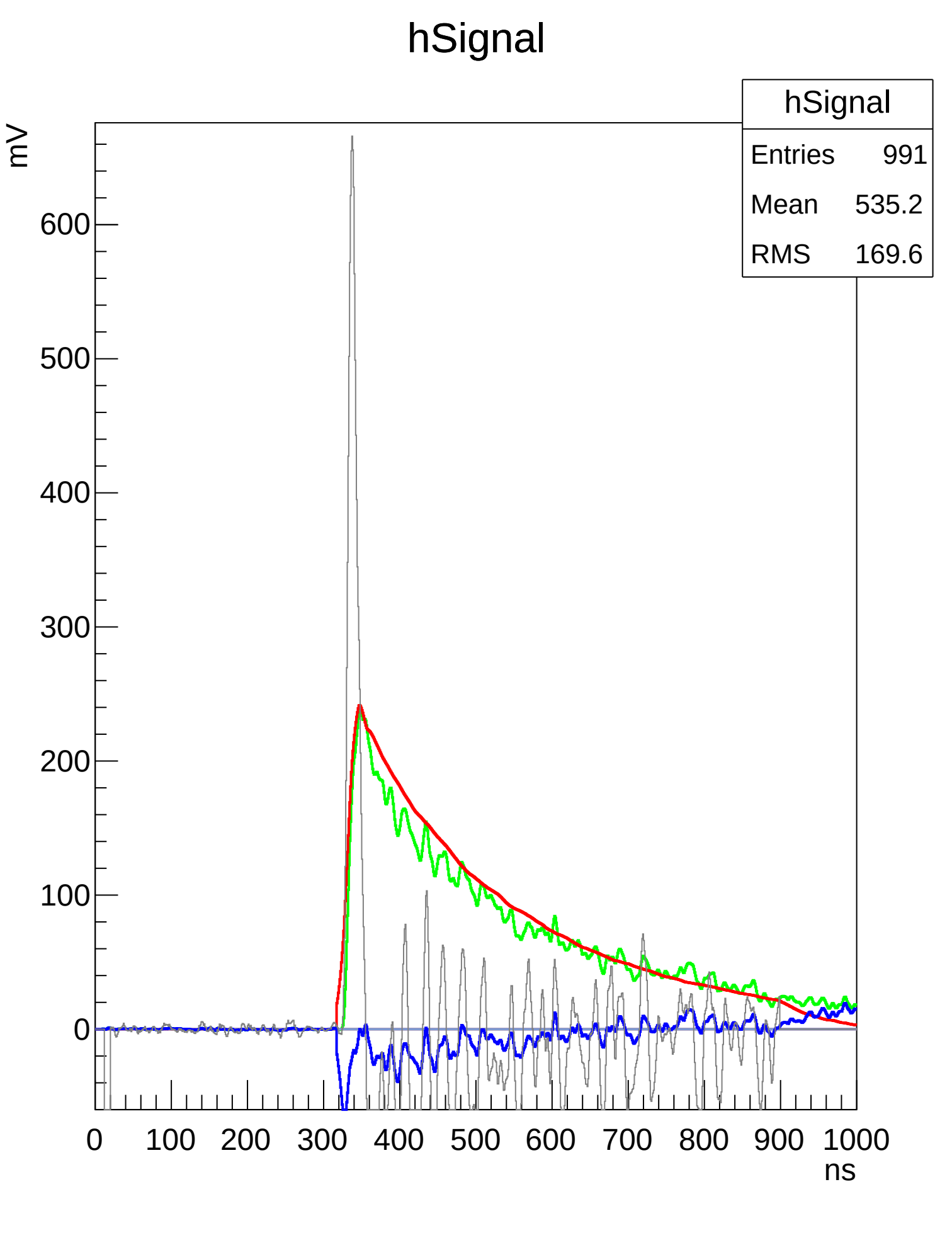

hSignal
hSignal
Entries 991
Mean 526.8
RMS 160
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

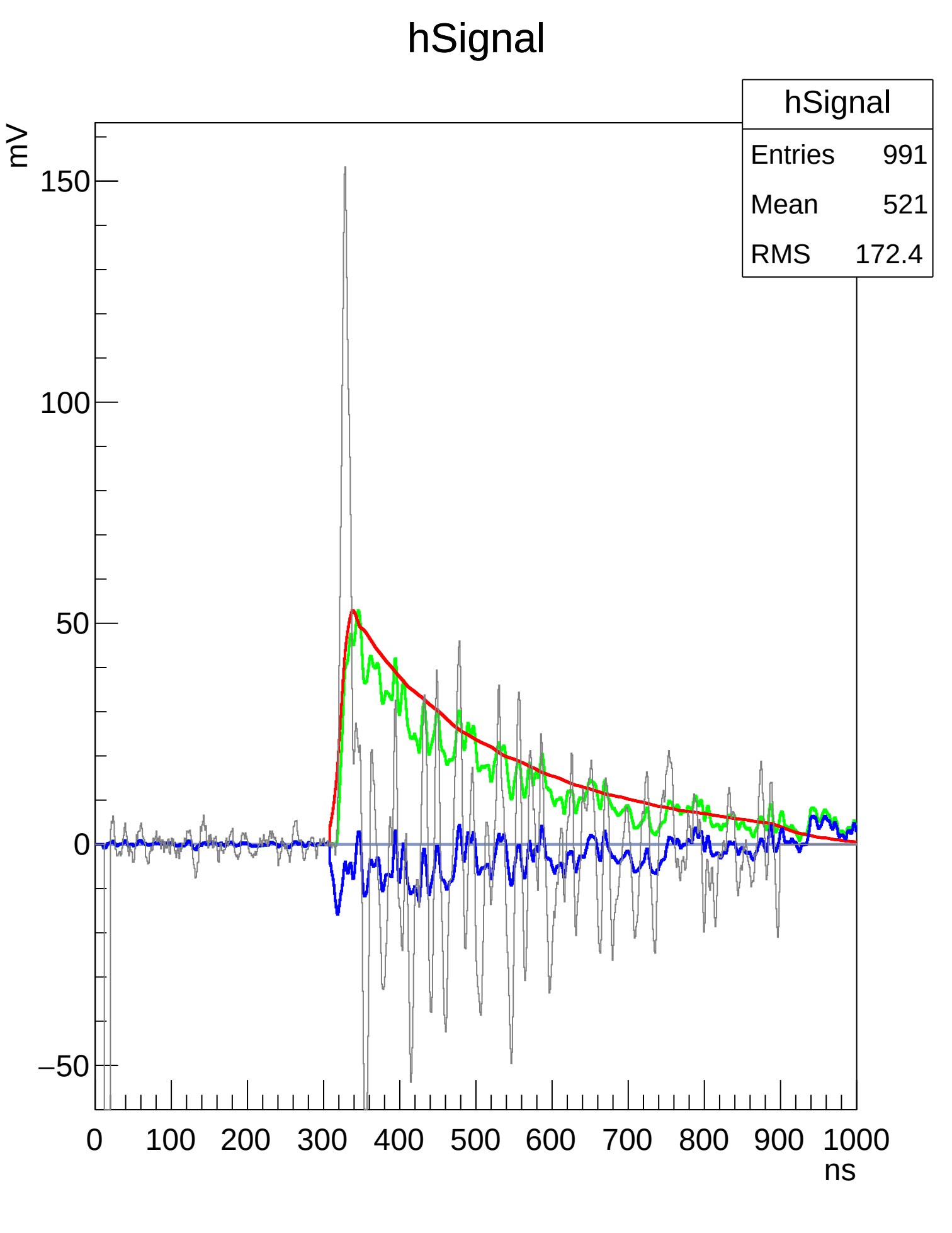

hSignal
hSignal
Entries 991
Mean 530.5
RMS 167.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

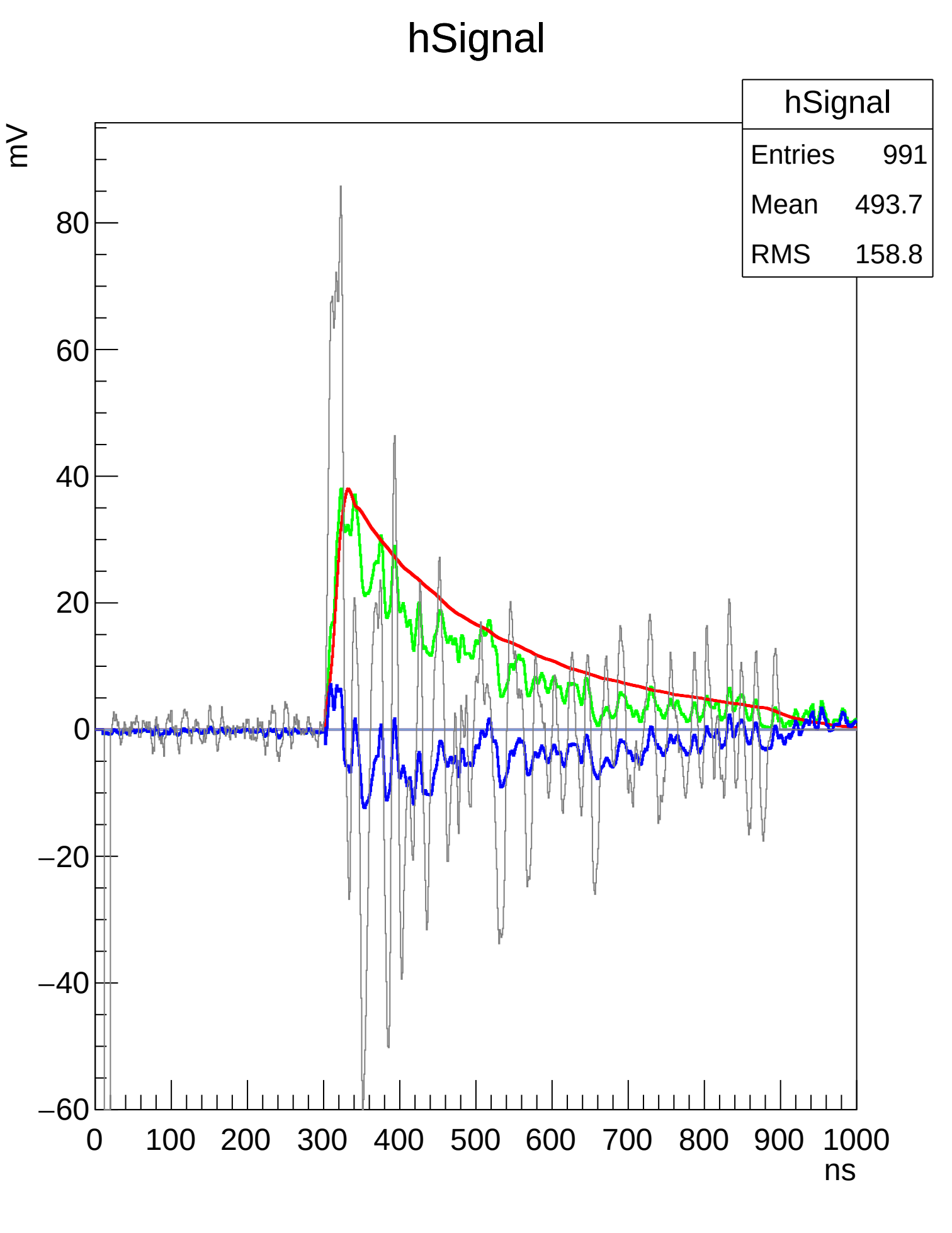

hSignal
hSignal
Entries 991
Mean 491.6
RMS 180
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

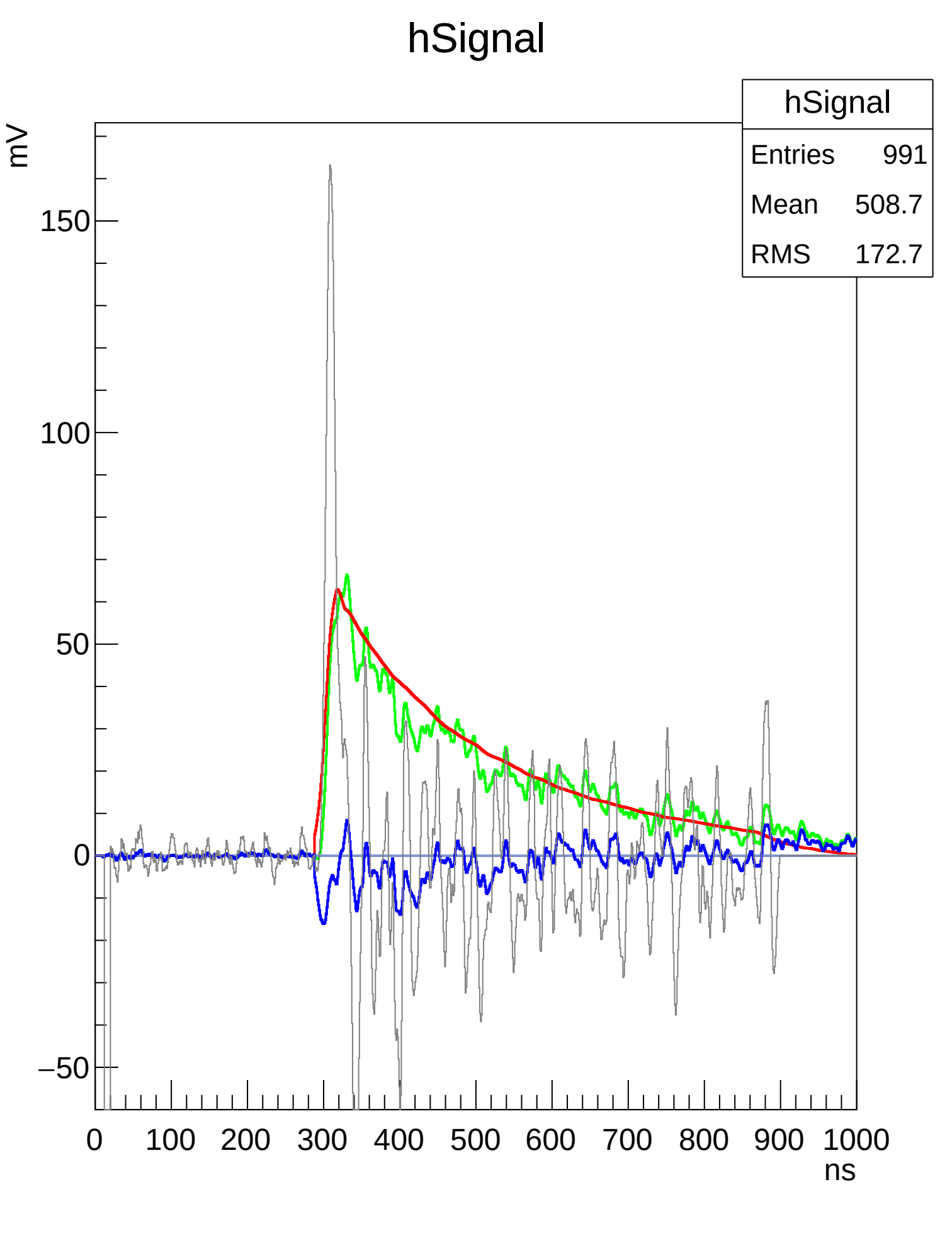

hSignal
hSignal
Entries 991
Mean 529.6
RMS 174.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

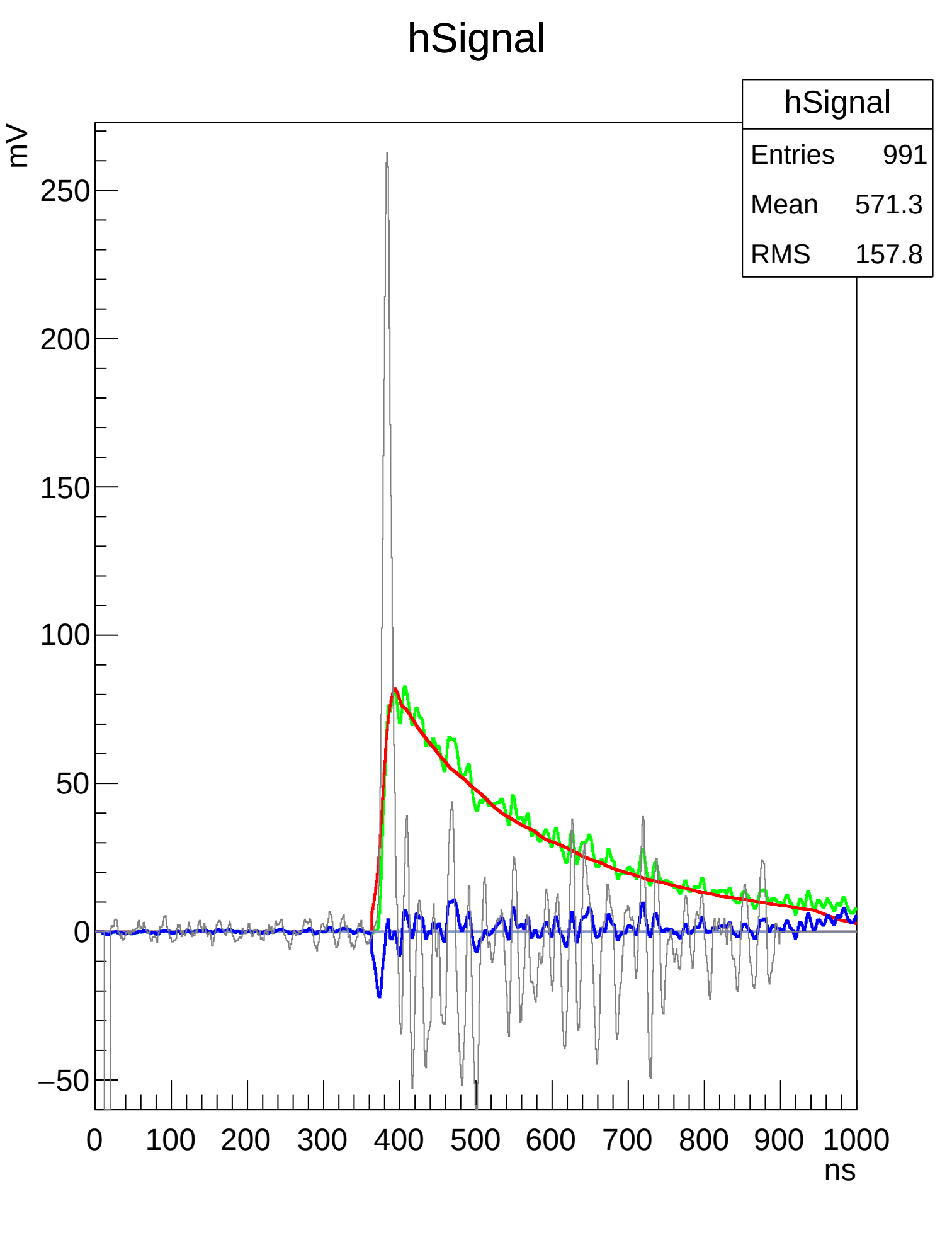

hSignal
hSignal
Entries 991
Mean 528.7
RMS 174.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

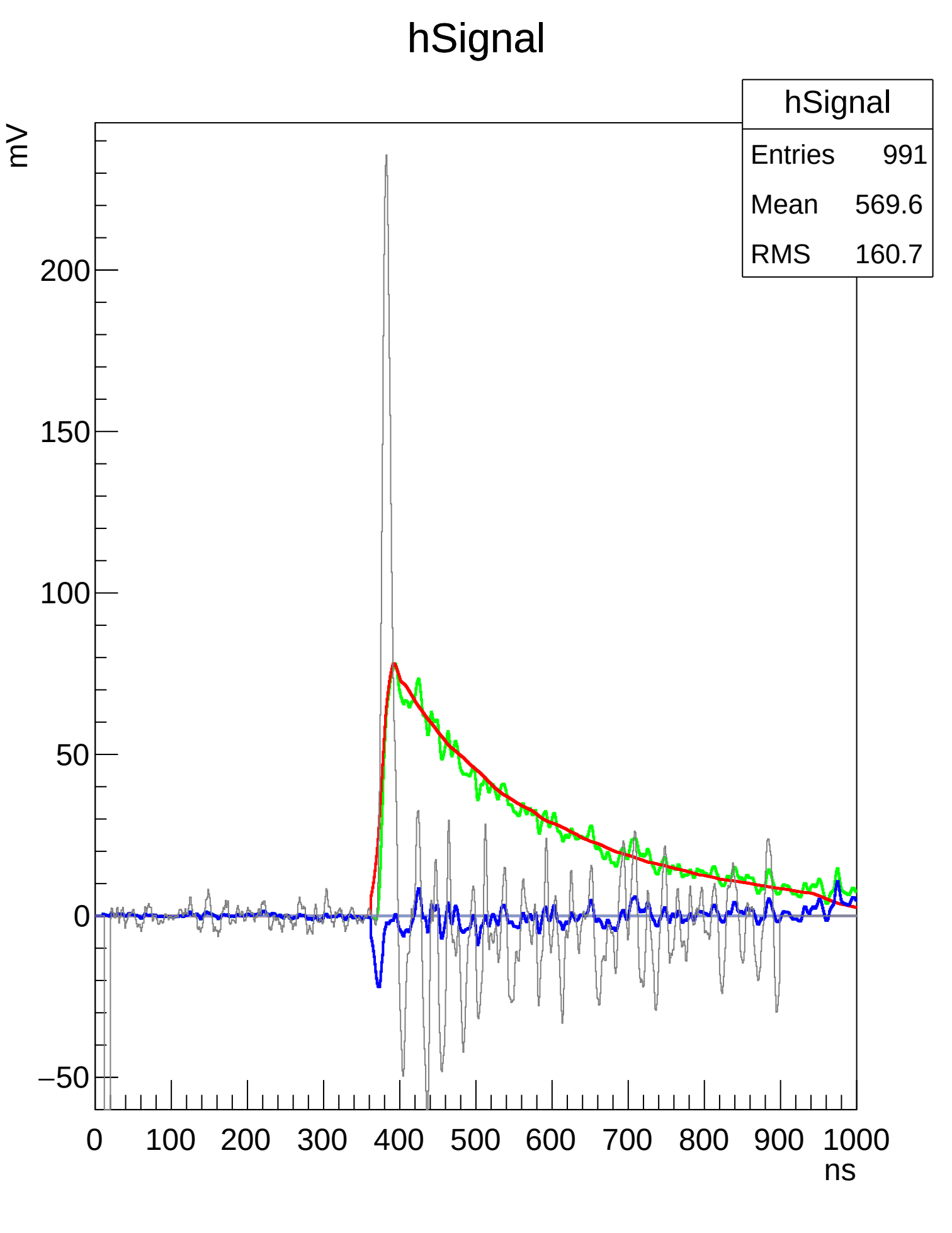

hSignal
hSignal
Entries 991
Mean 535.2
RMS 169.6
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

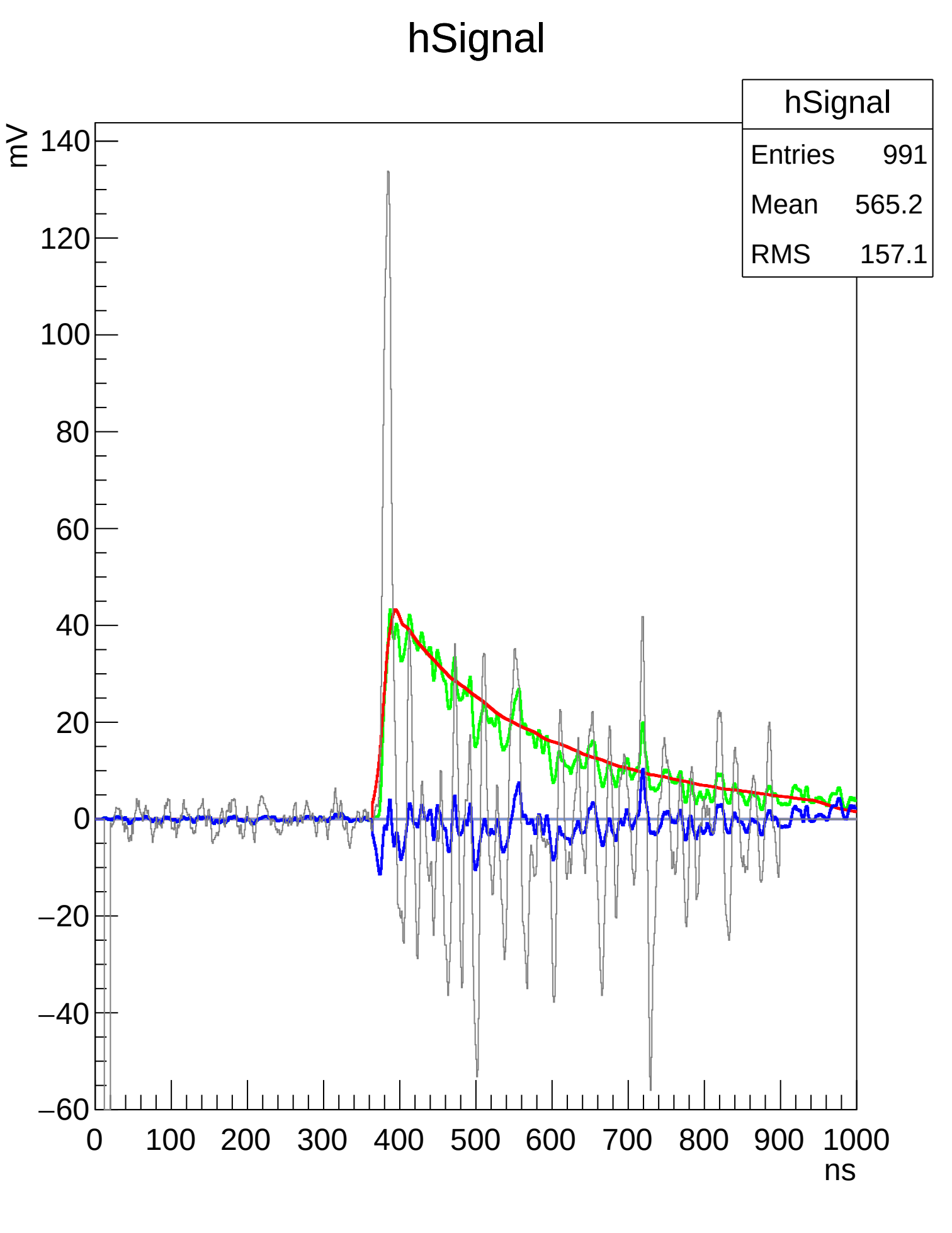

hSignal
hSignal
Entries 991
Mean 521
RMS 172.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

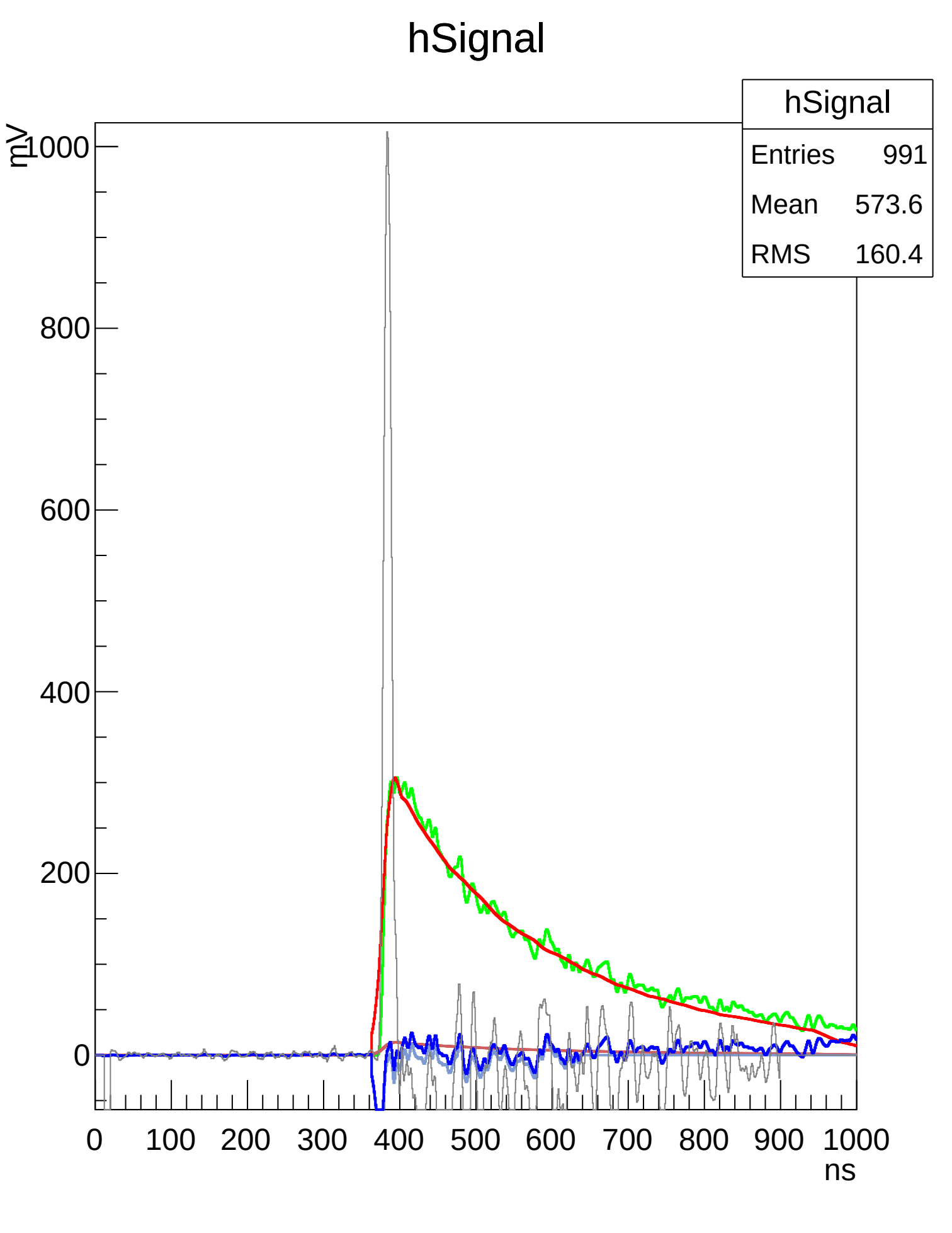

hSignal
hSignal
Entries 991
Mean 493.7
RMS 158.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

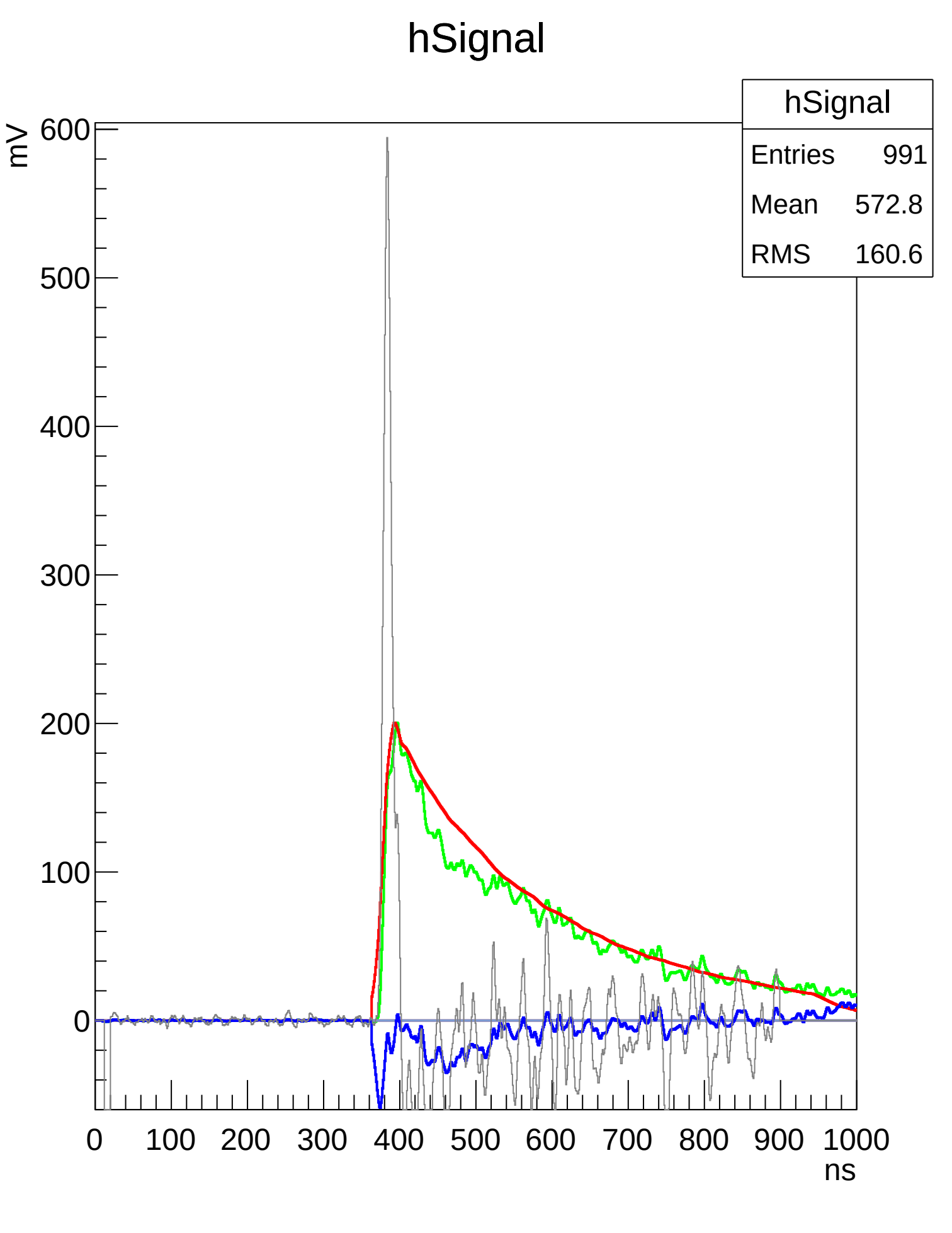

hSignal
hSignal
Entries 991
Mean 508.7
RMS 172.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

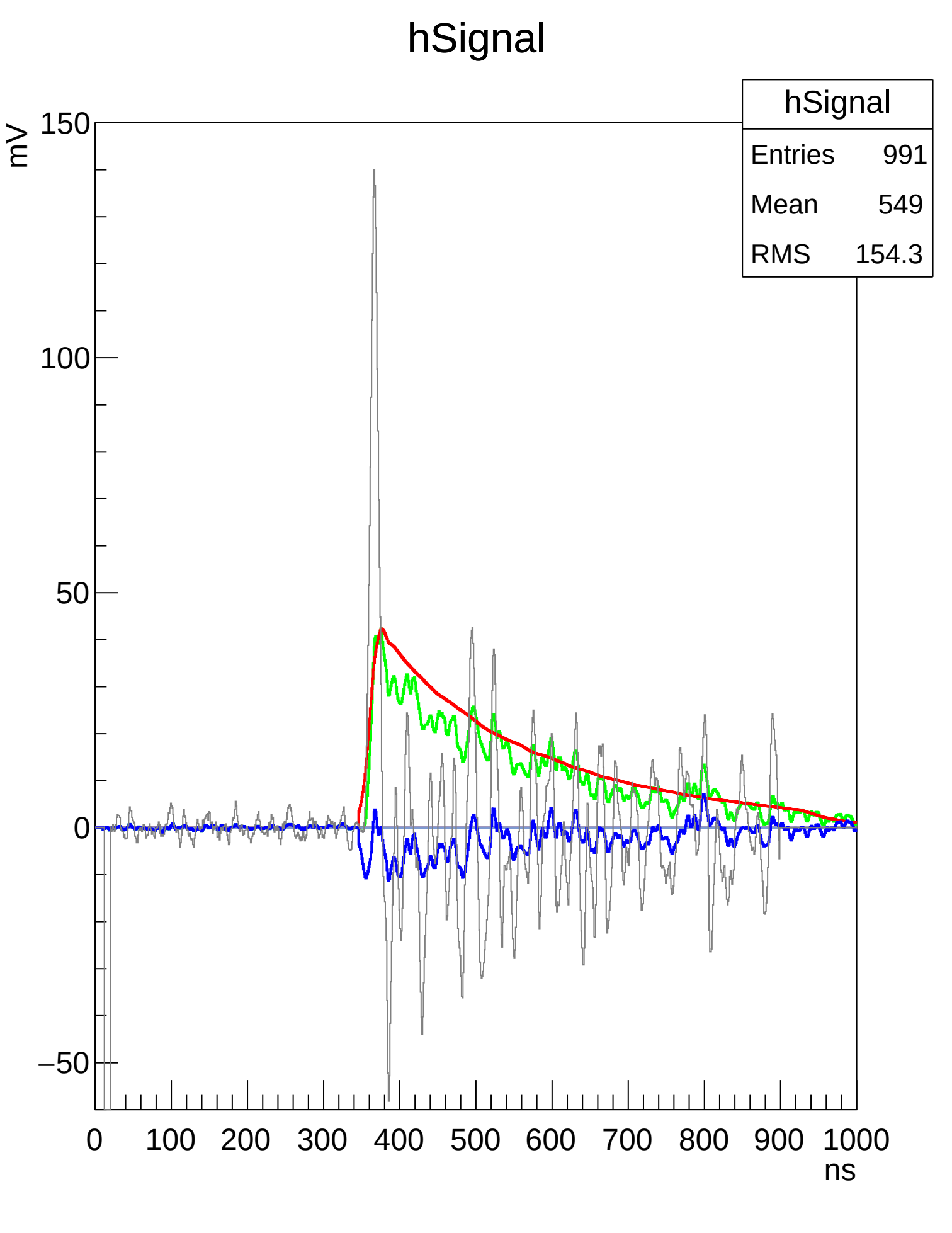

hSignal
hSignal
Entries 991
Mean 571.3
RMS 157.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

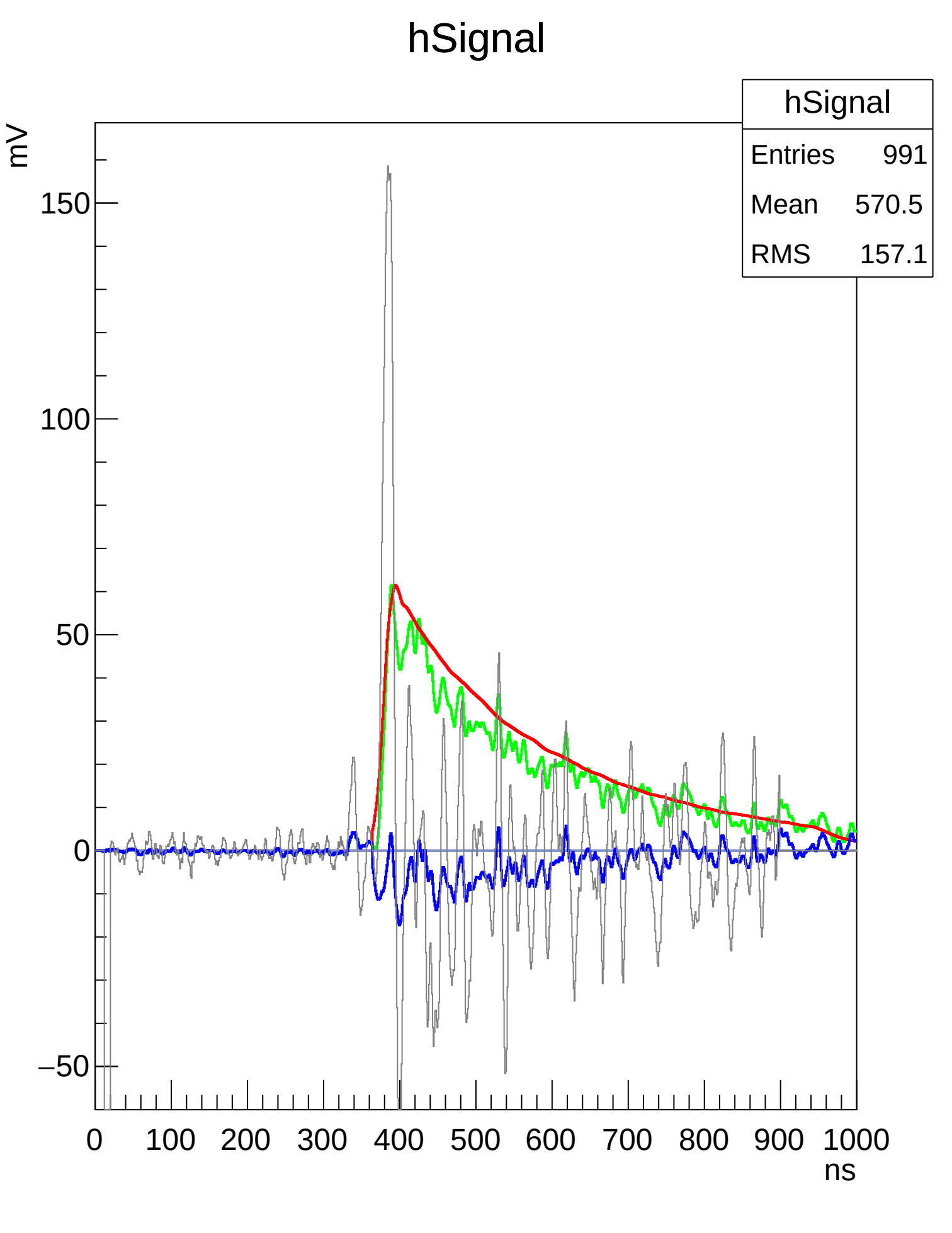

hSignal
hSignal
Entries 991
Mean 569.6
RMS 160.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

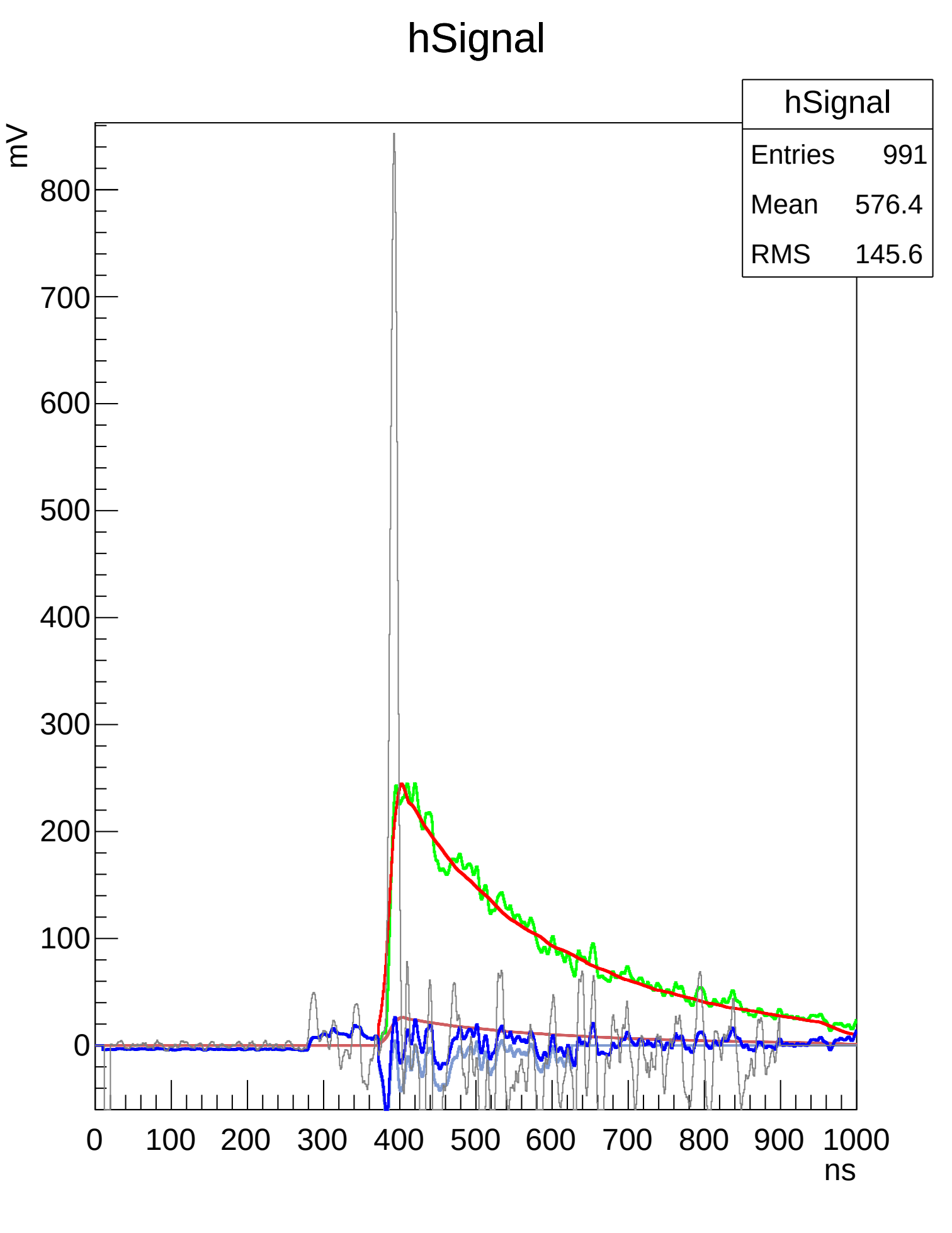

hSignal
hSignal
Entries 991
Mean 565.2
RMS 157.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

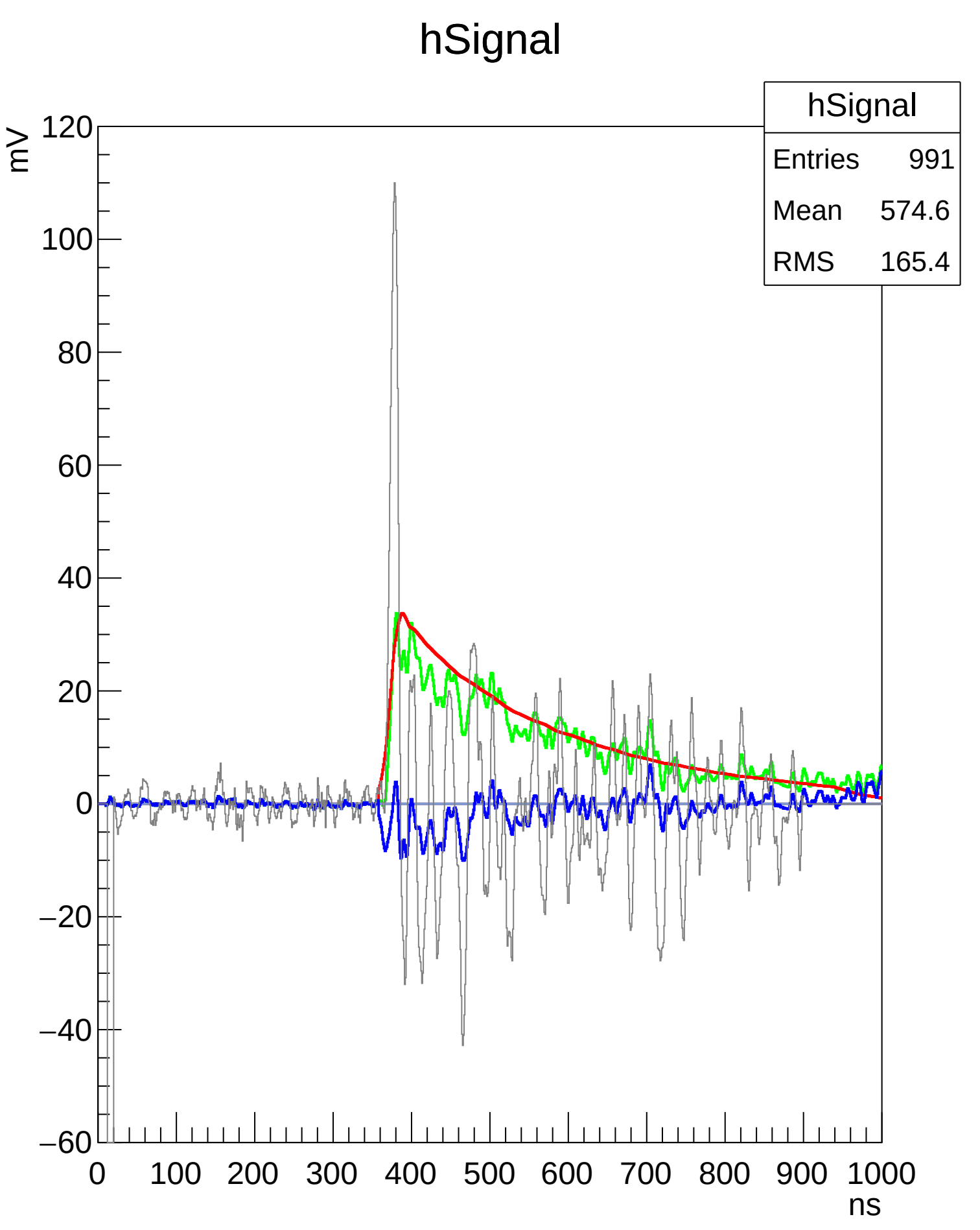

hSignal
hSignal
Entries 991
Mean 573.6
RMS 160.4
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

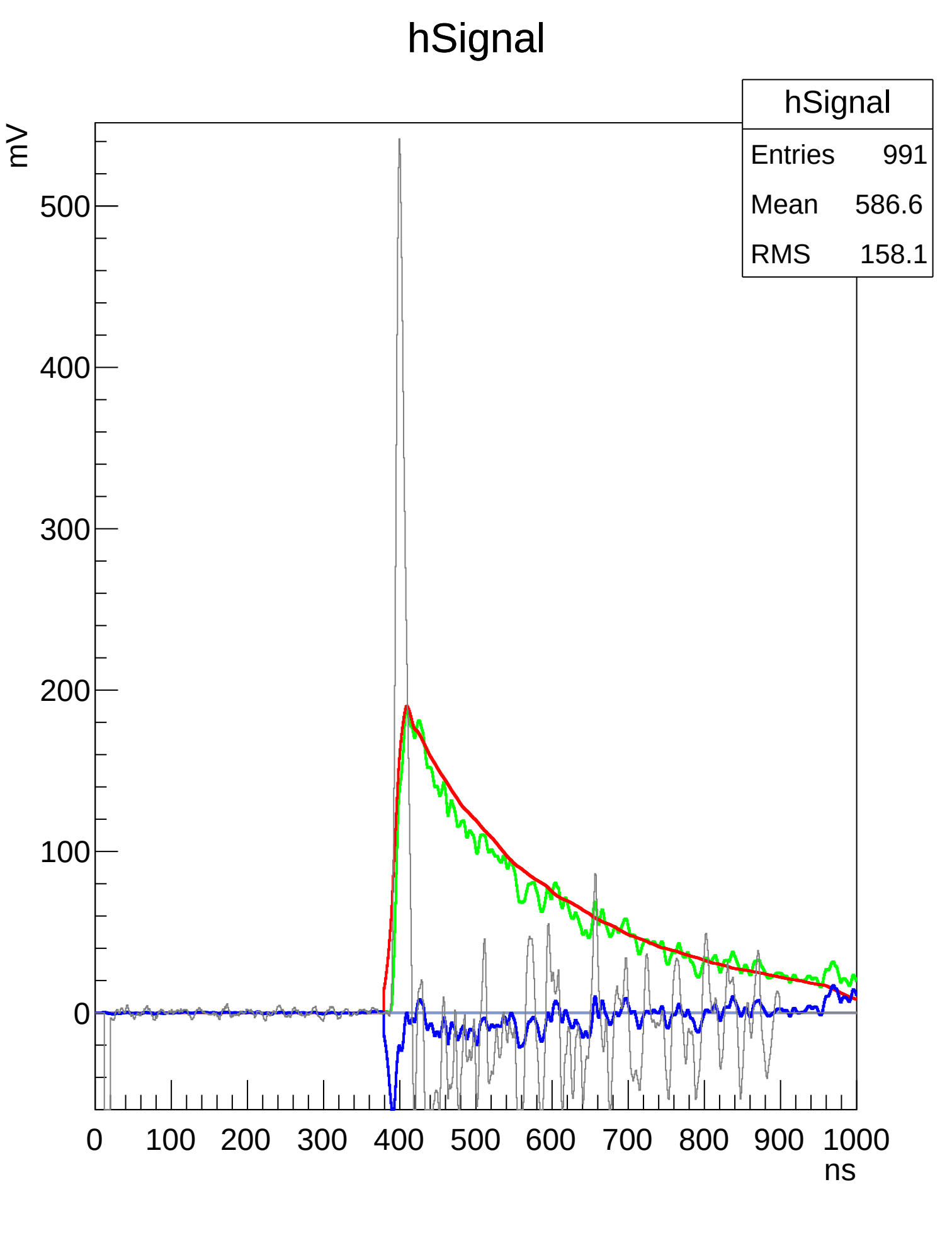

hSignal
hSignal
Entries 991
Mean 572.8
RMS 160.6
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

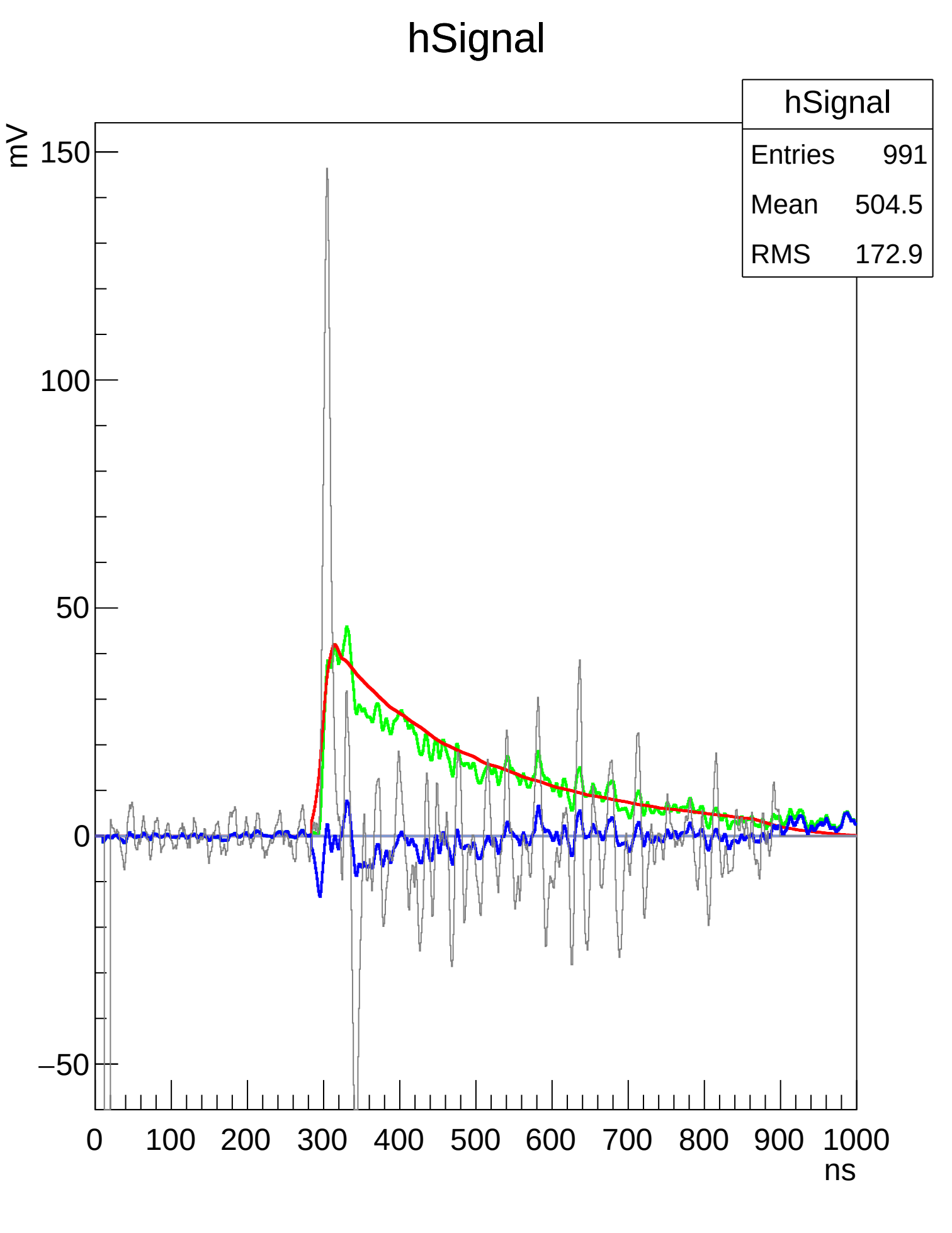

hSignal
hSignal
Entries 991
Mean 549
RMS 154.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

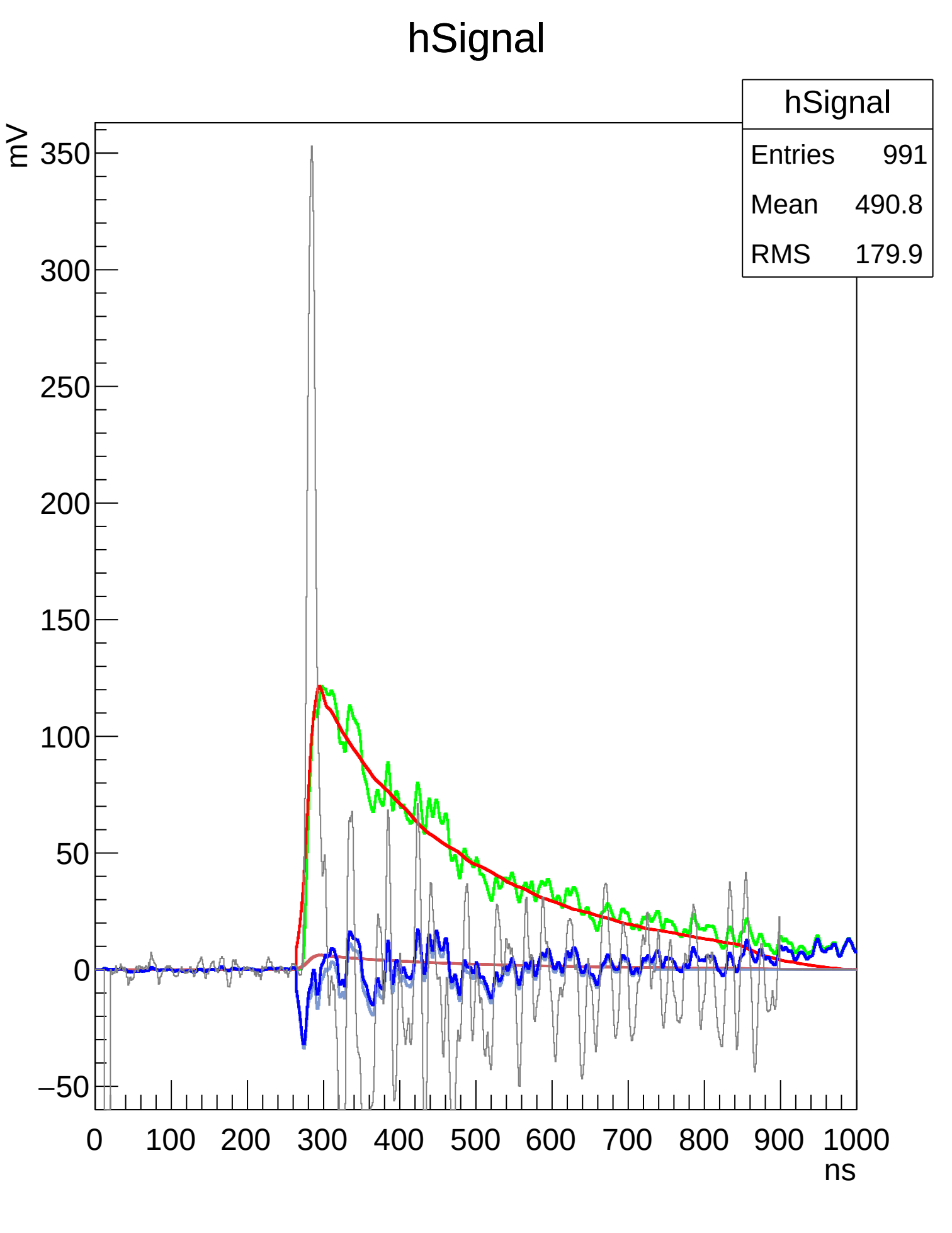

hSignal
hSignal
Entries 991
Mean 570.5
RMS 157.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

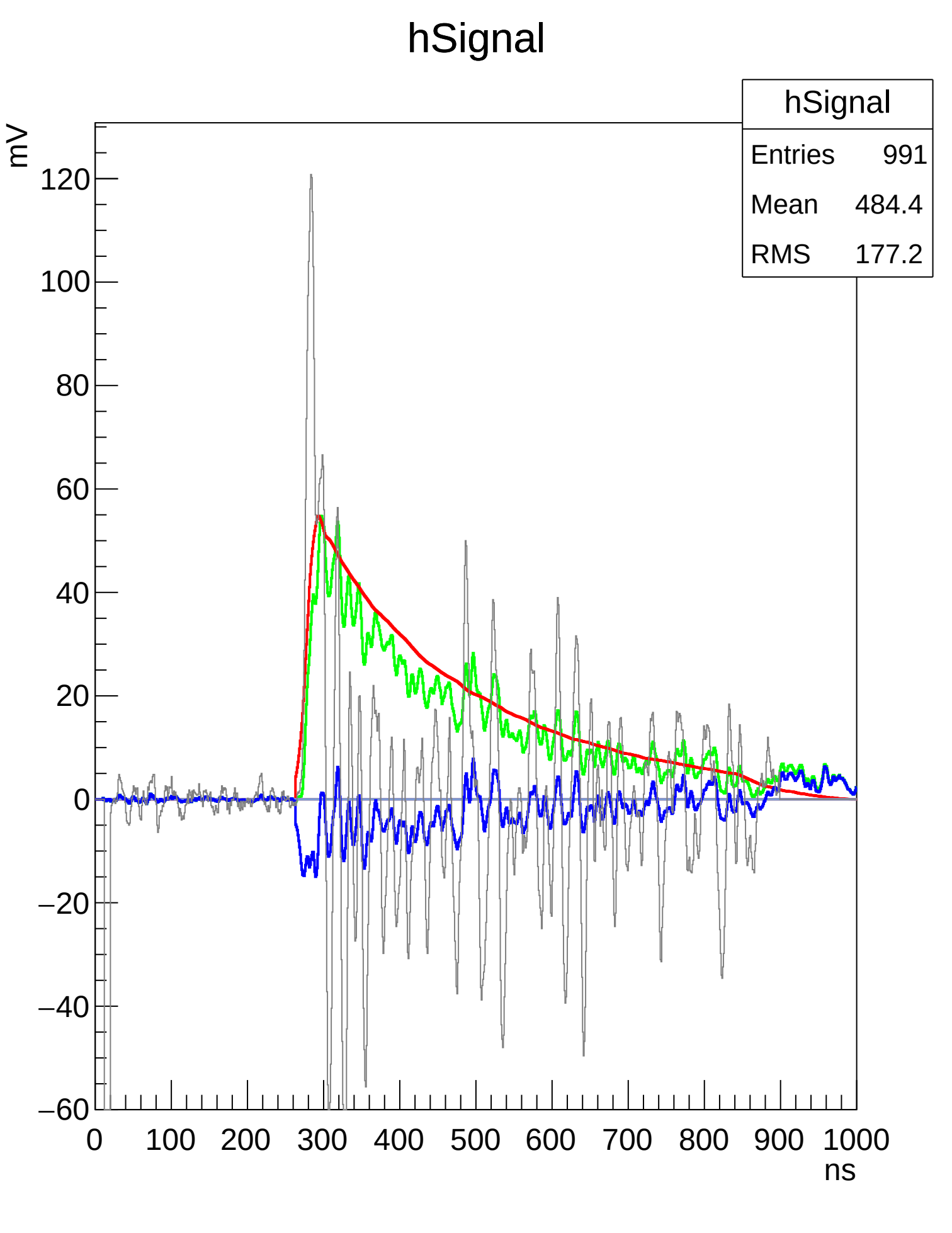

hSignal
hSignal
Entries 991
Mean 576.4
RMS 145.6
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

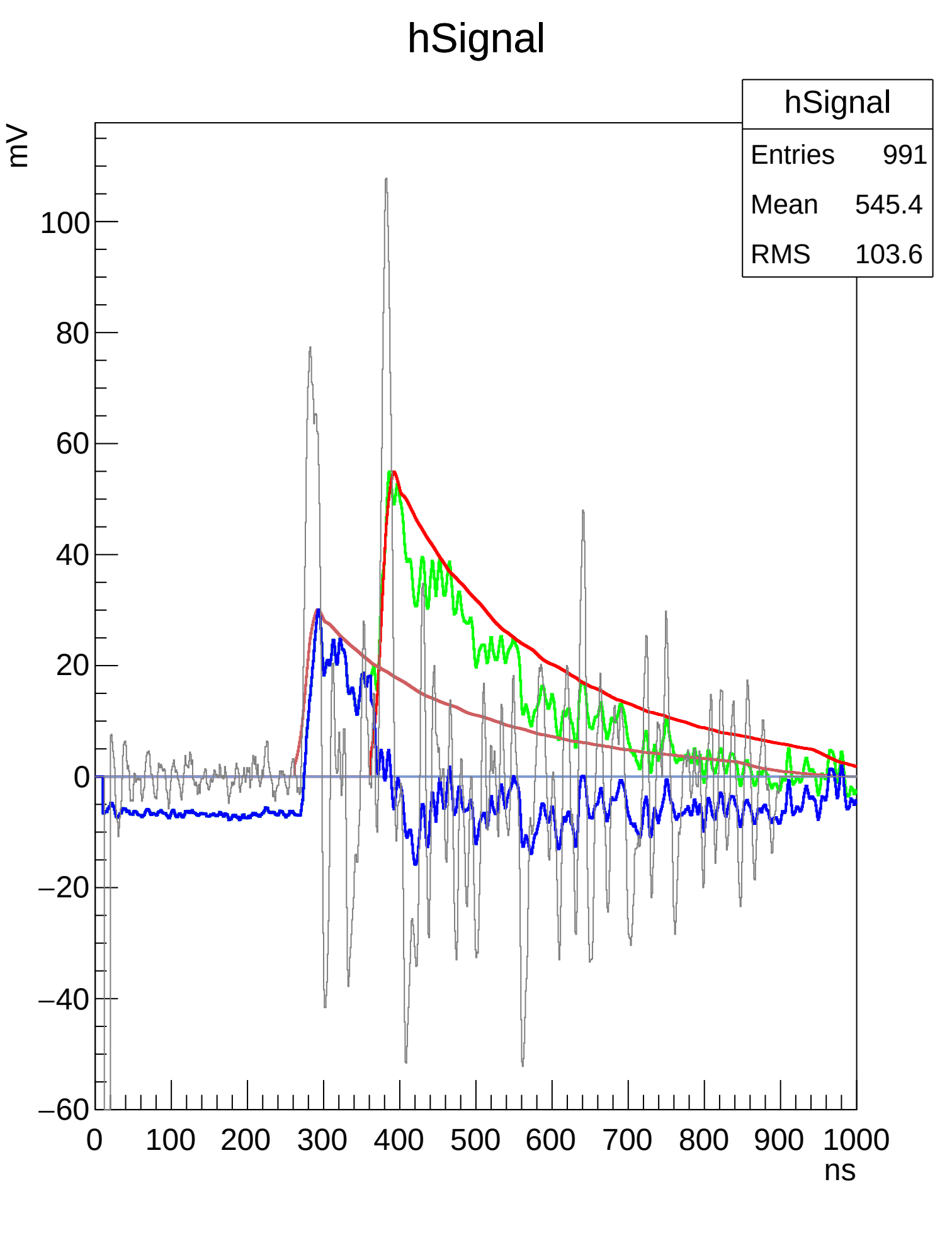

hSignal
hSignal
Entries 991
Mean 574.6
RMS 165.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

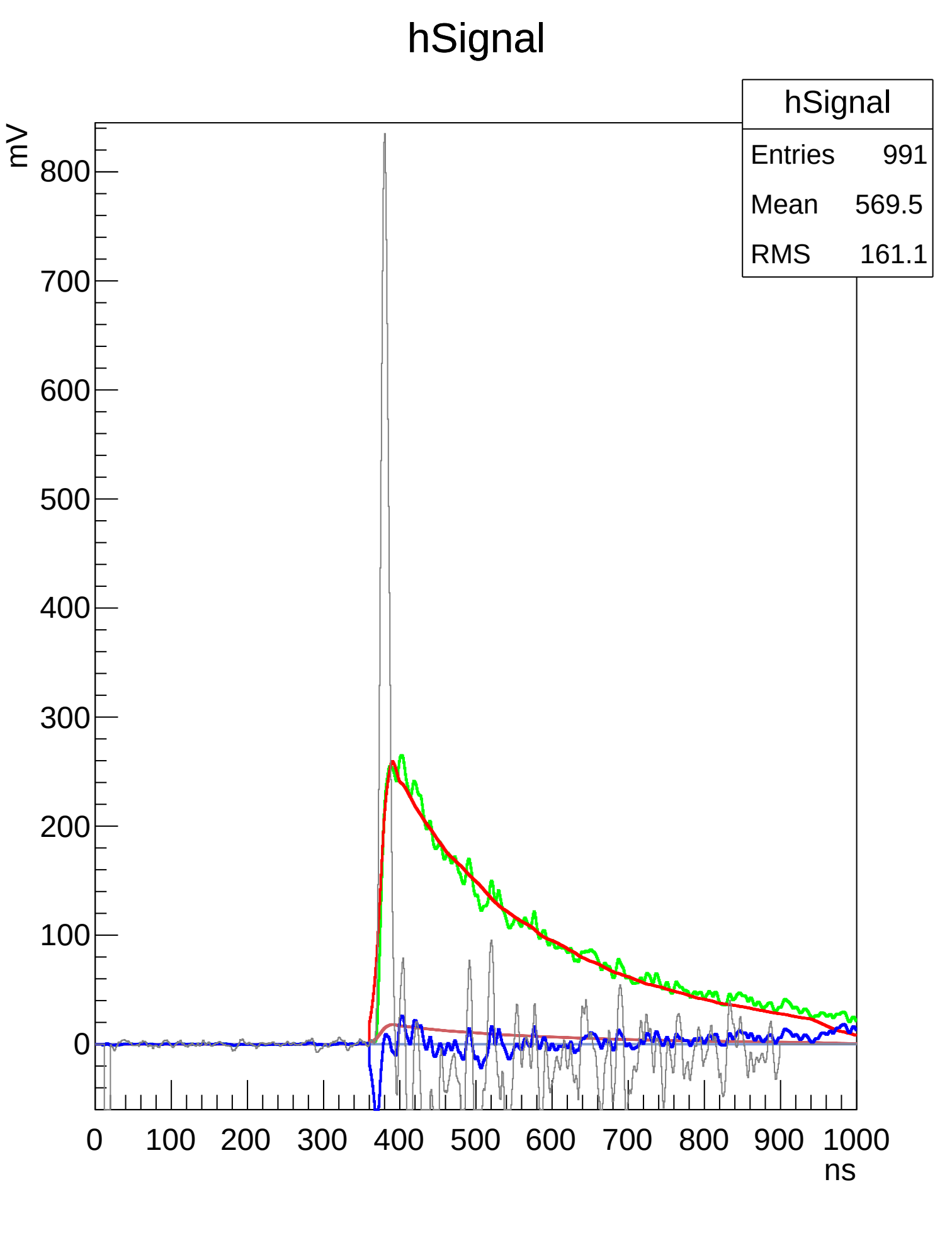

hSignal
hSignal
Entries 991
Mean 586.6
RMS 158.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

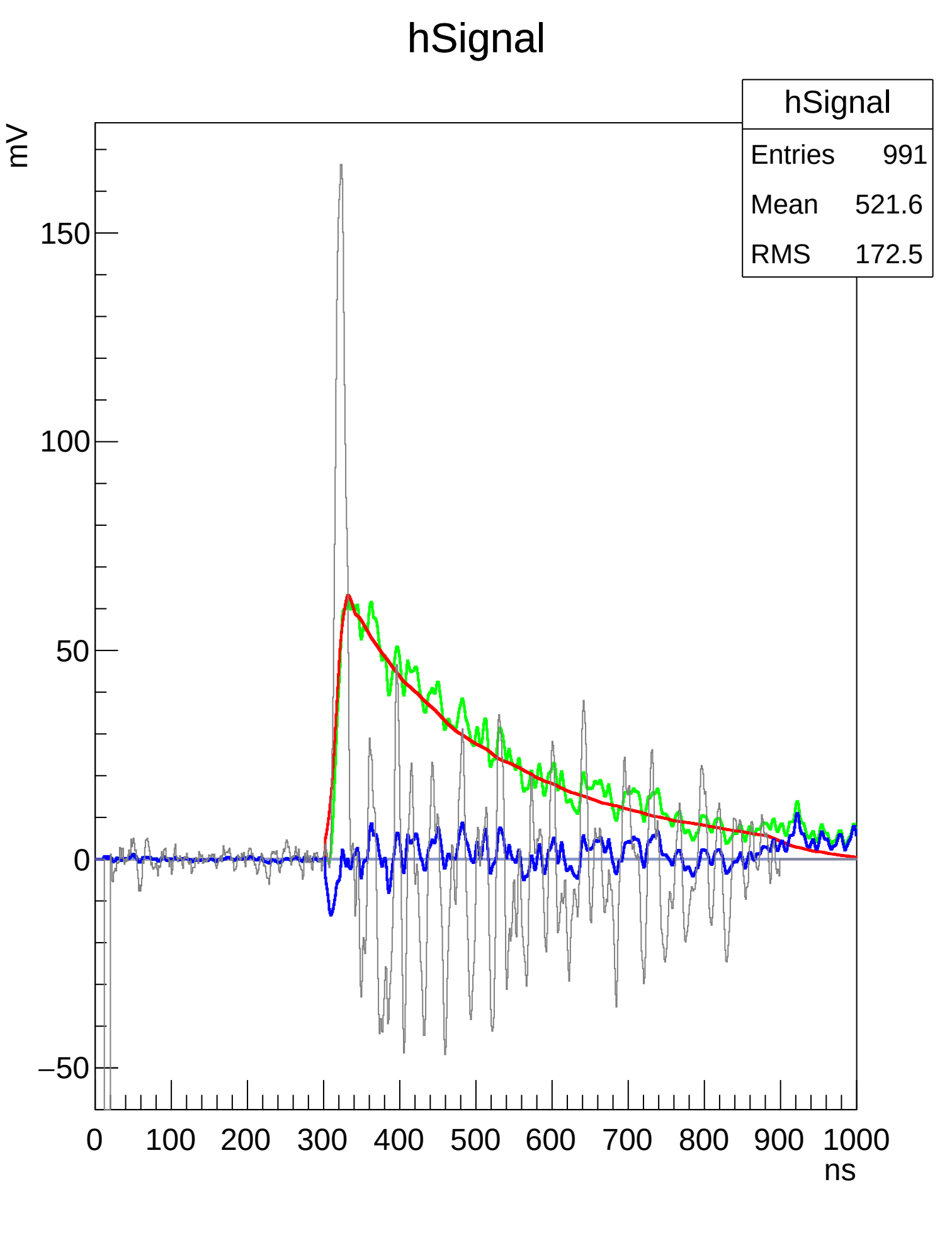

hSignal
hSignal
Entries 991
Mean 504.5
RMS 172.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

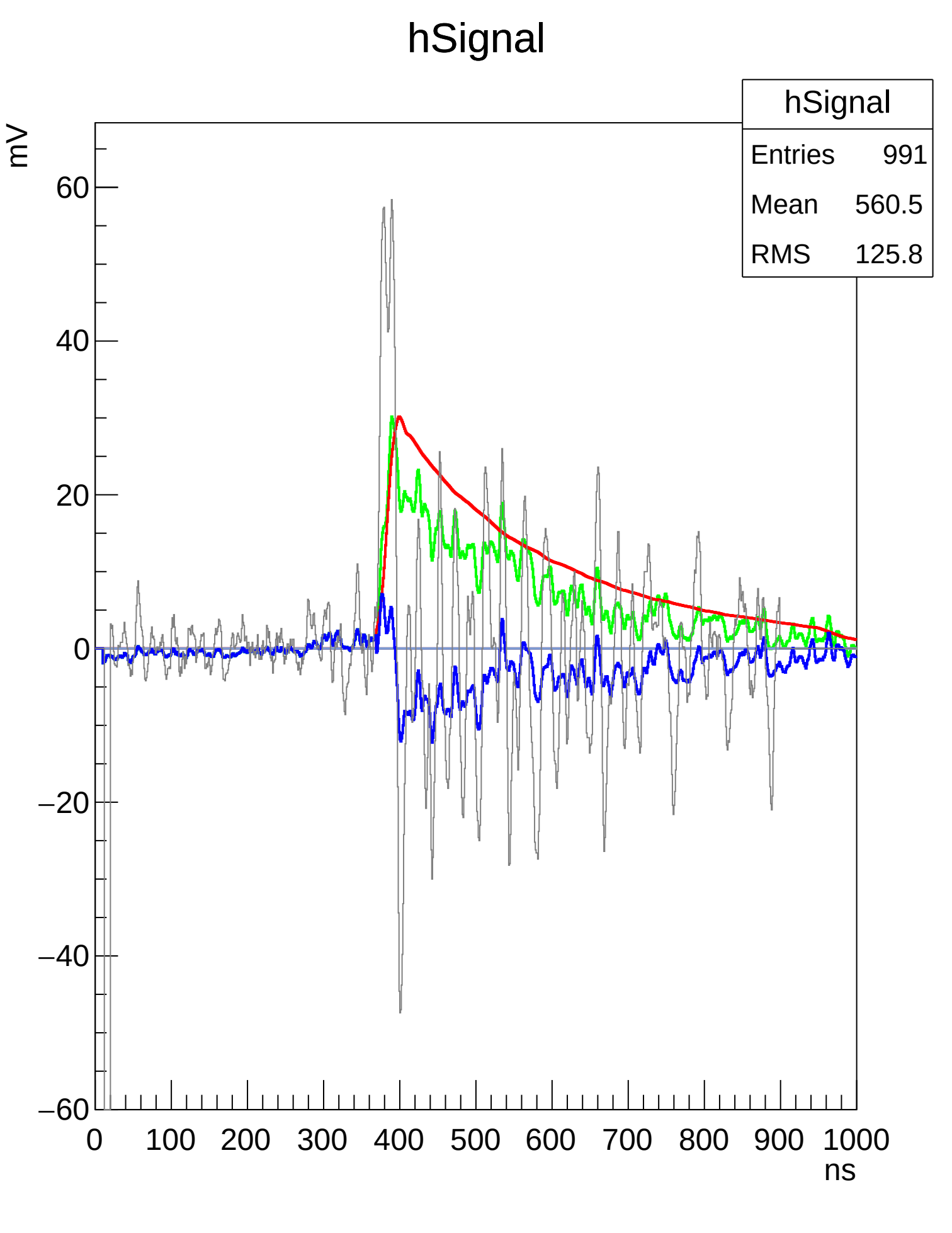

hSignal
hSignal
Entries 991
Mean 490.8
RMS 179.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

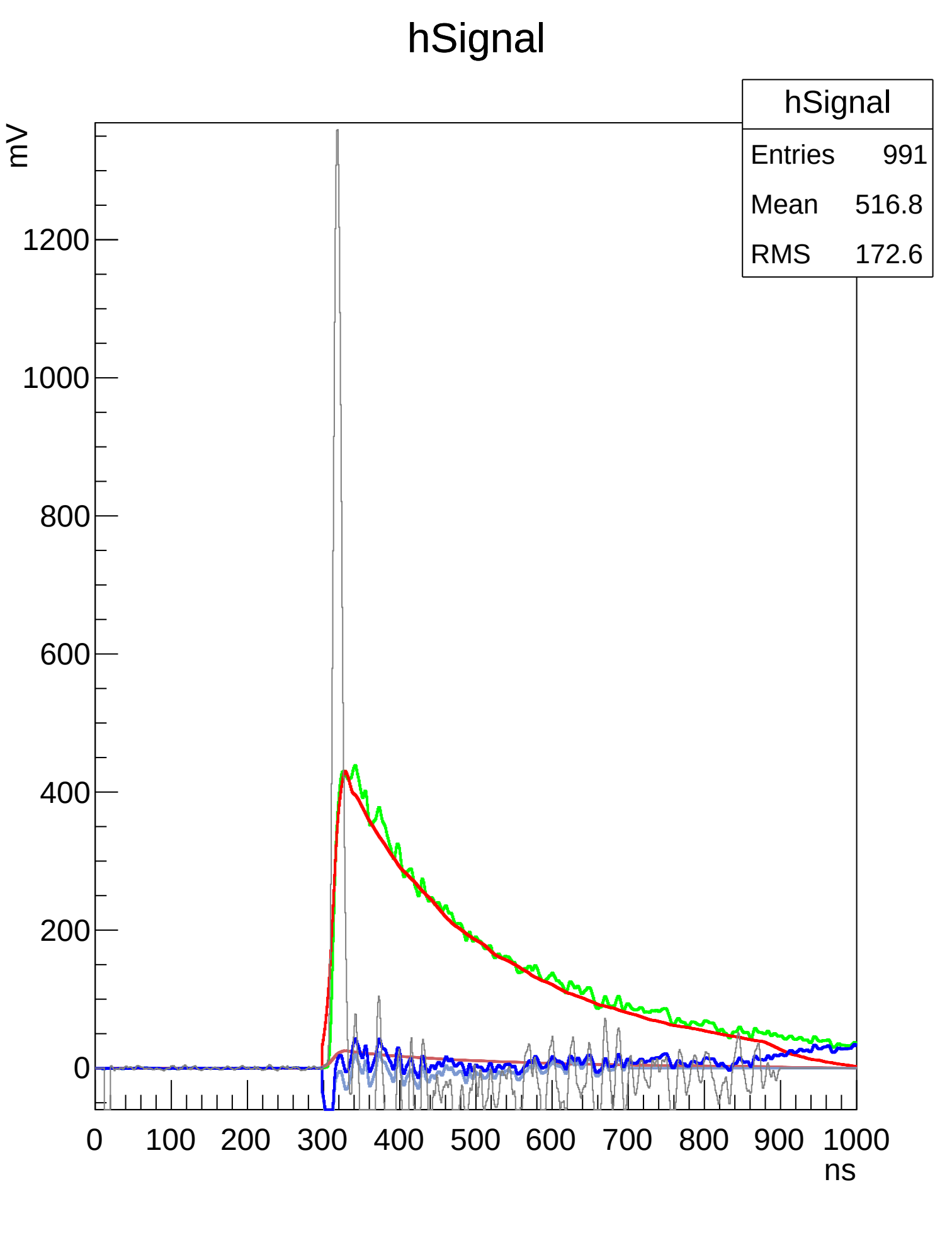

hSignal
hSignal
Entries 991
Mean 484.4
RMS 177.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

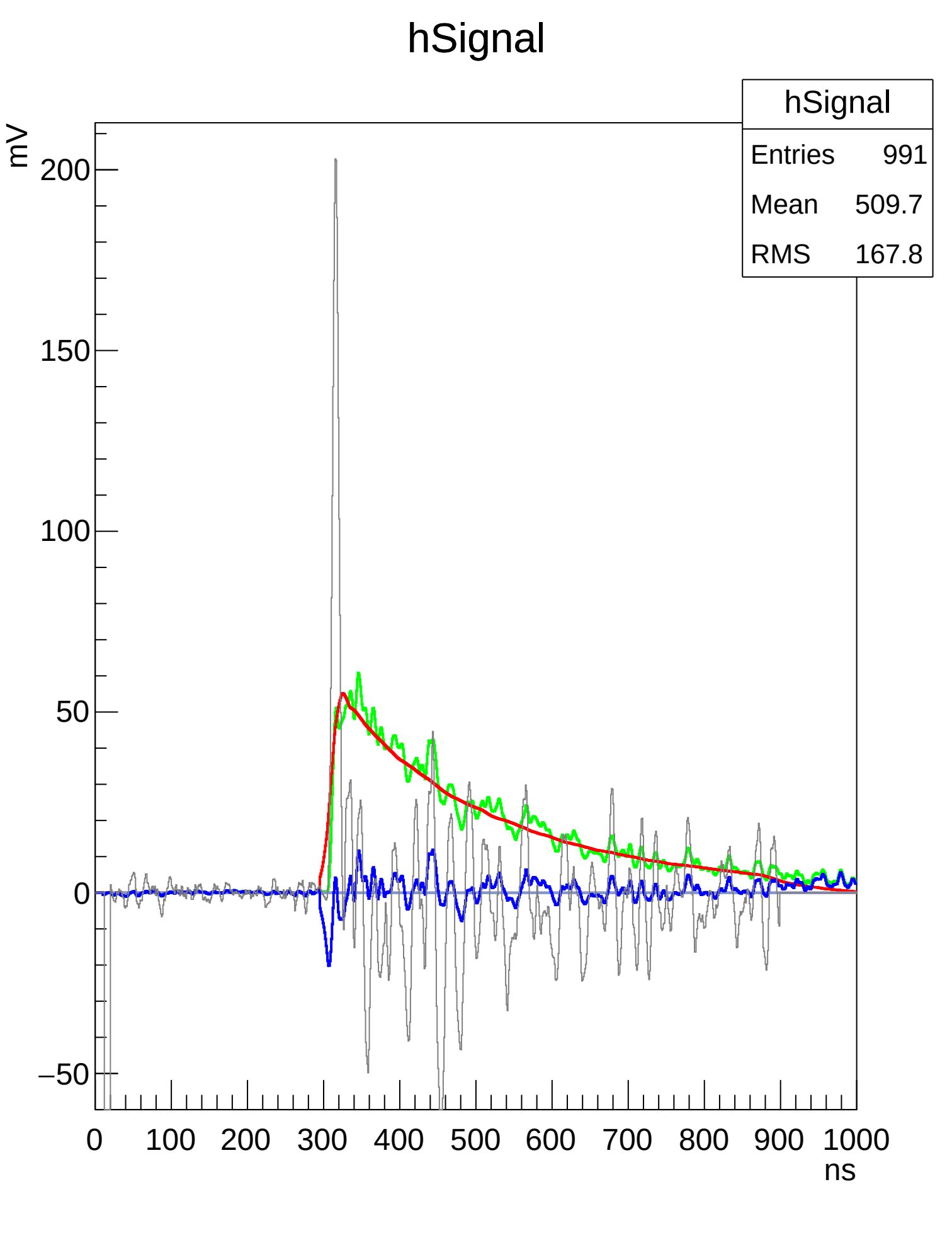

hSignal
hSignal
Entries 991
Mean 545.4
RMS 103.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

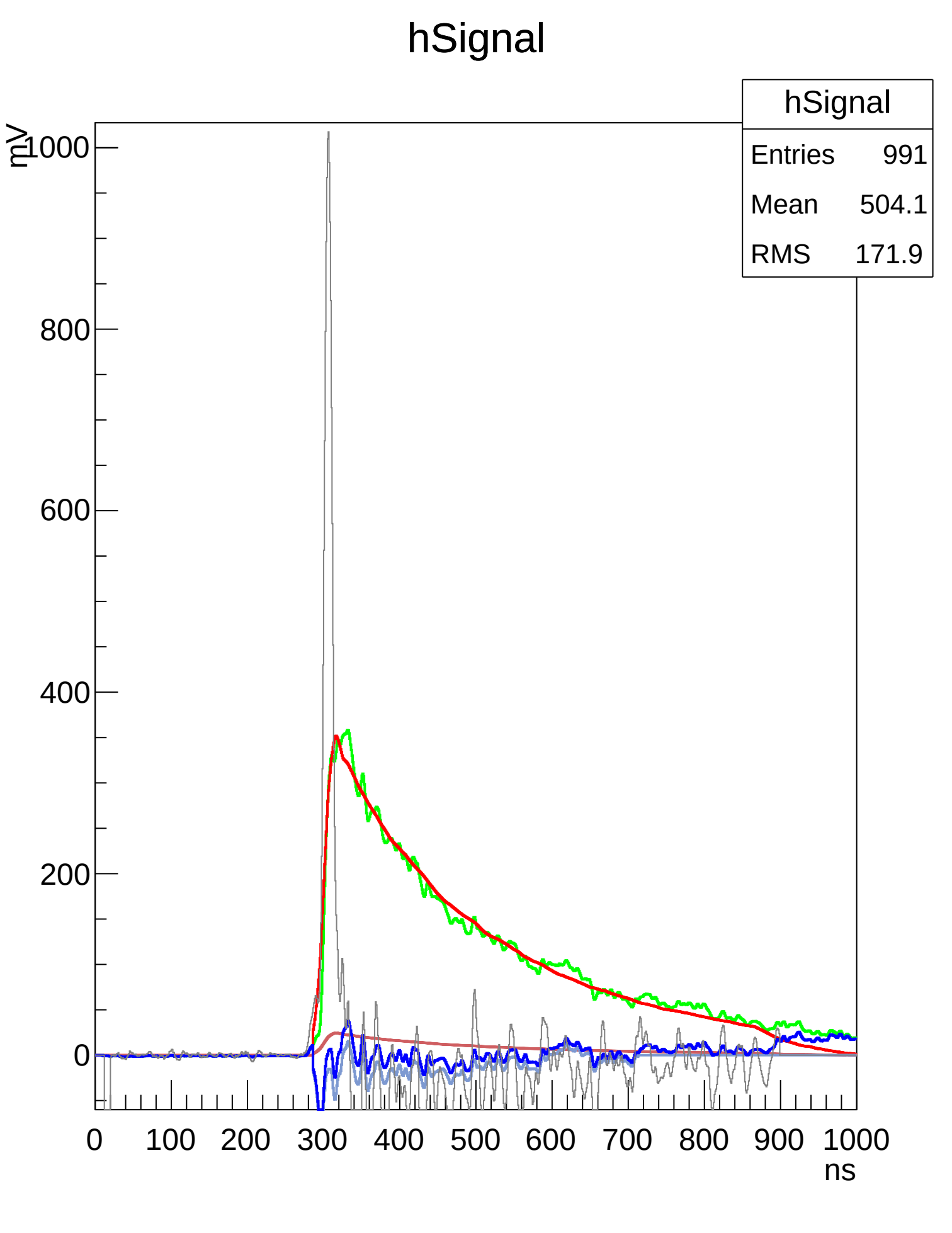

hSignal
hSignal
Entries 991
Mean 569.5
RMS 161.1
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

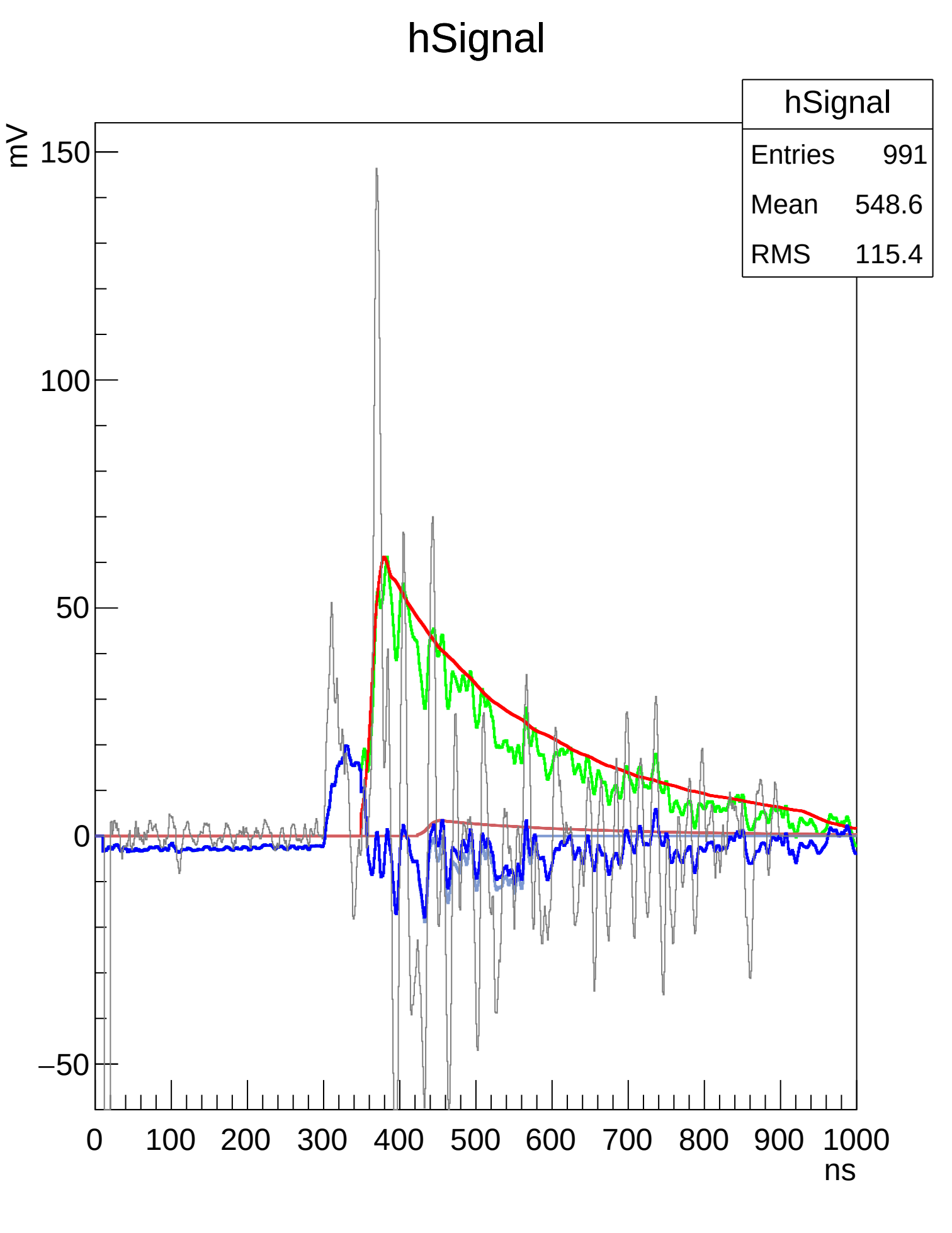

hSignal
hSignal
Entries 991
Mean 521.6
RMS 172.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

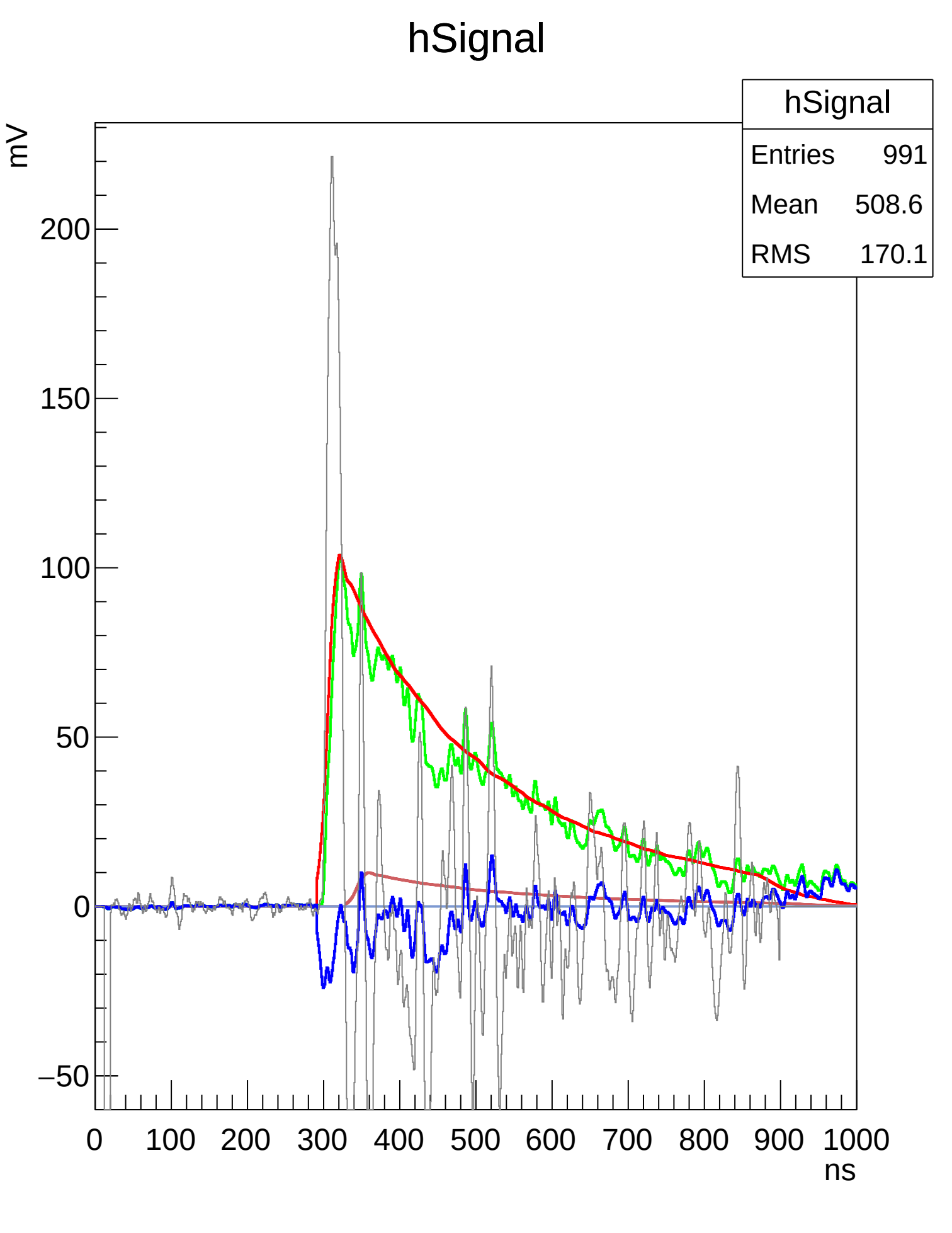

hSignal
hSignal
Entries 991
Mean 560.5
RMS 125.8
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

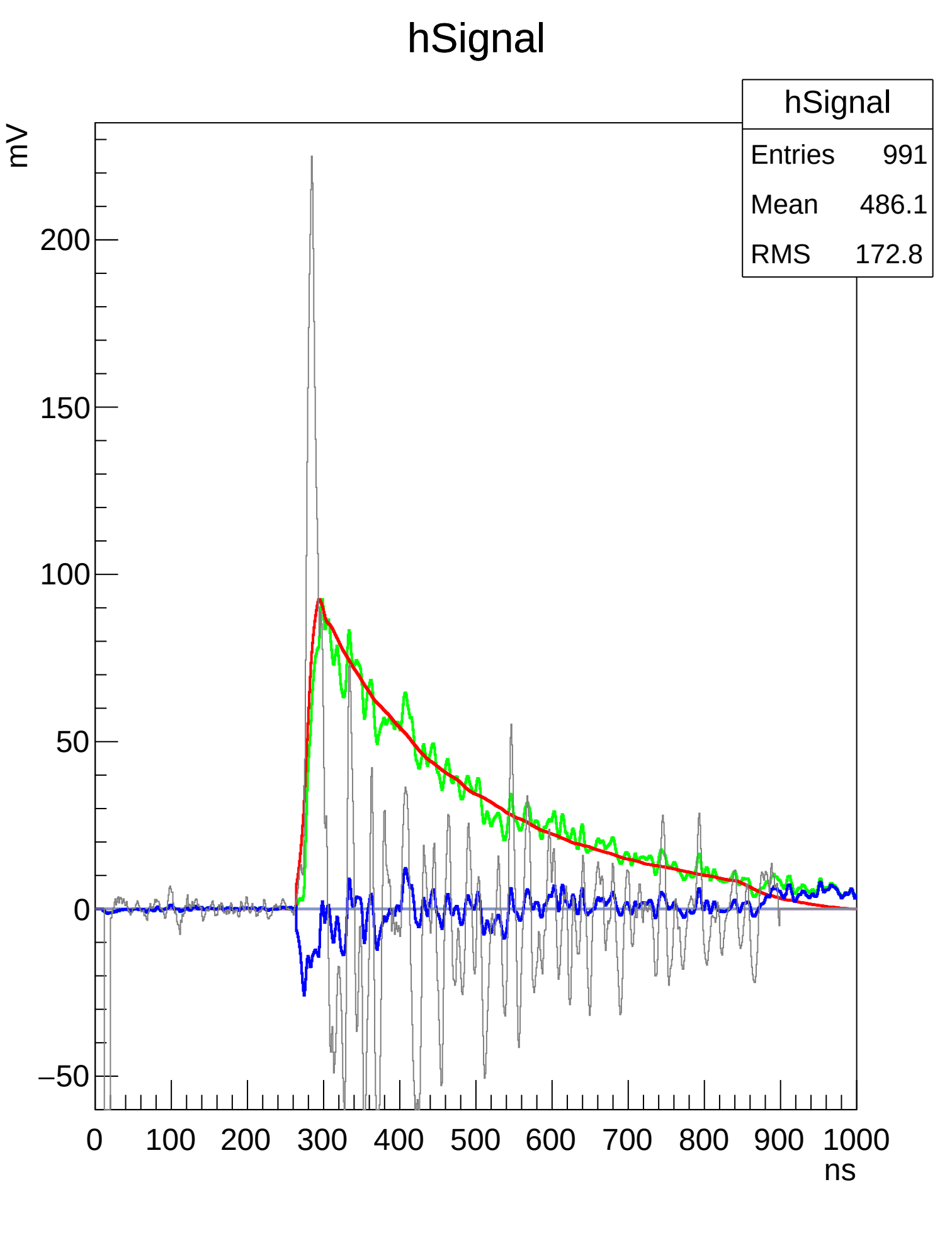

hSignal
hSignal
Entries 991
Mean 516.8
RMS 172.6
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

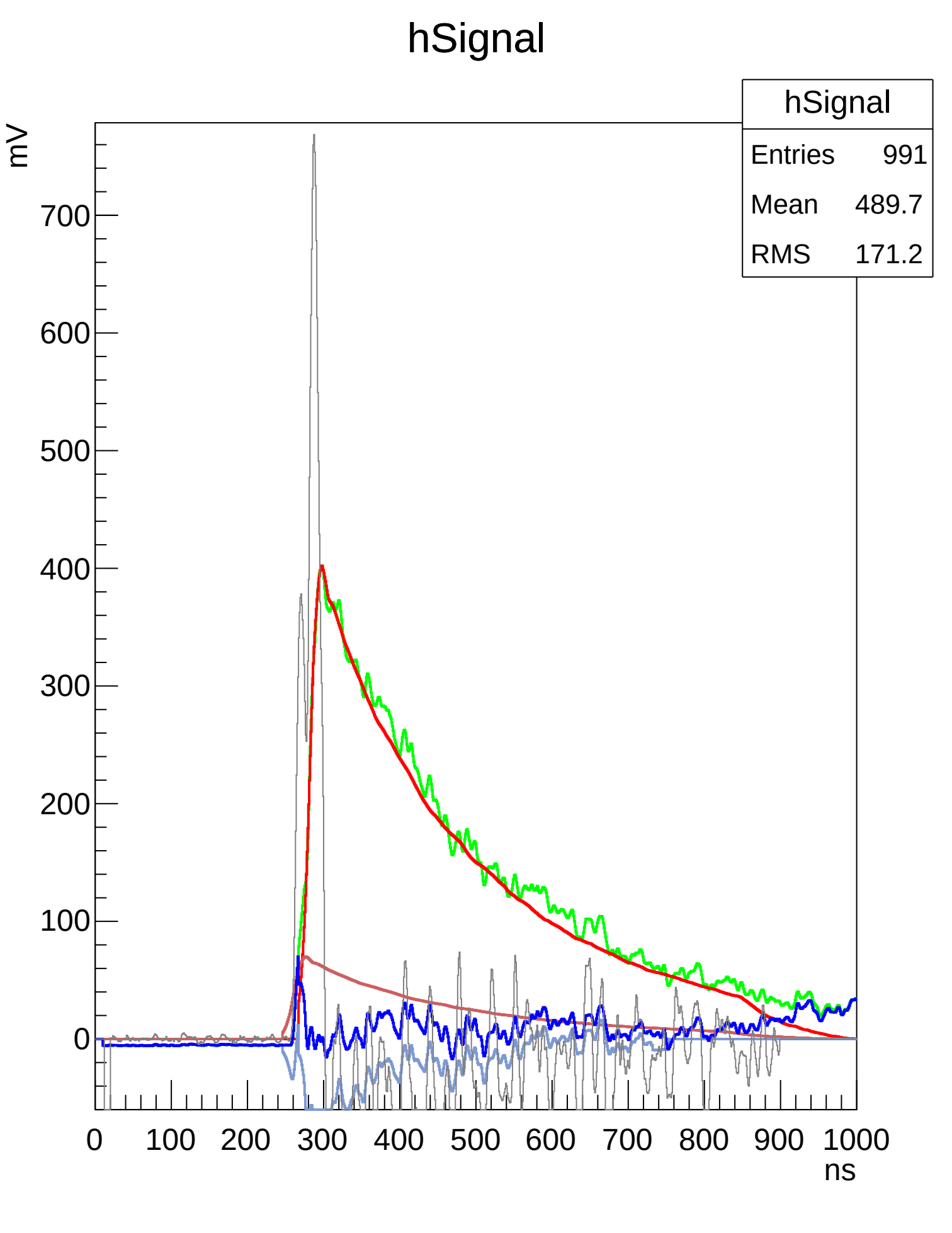

hSignal
hSignal
Entries 991
Mean 509.7
RMS 167.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

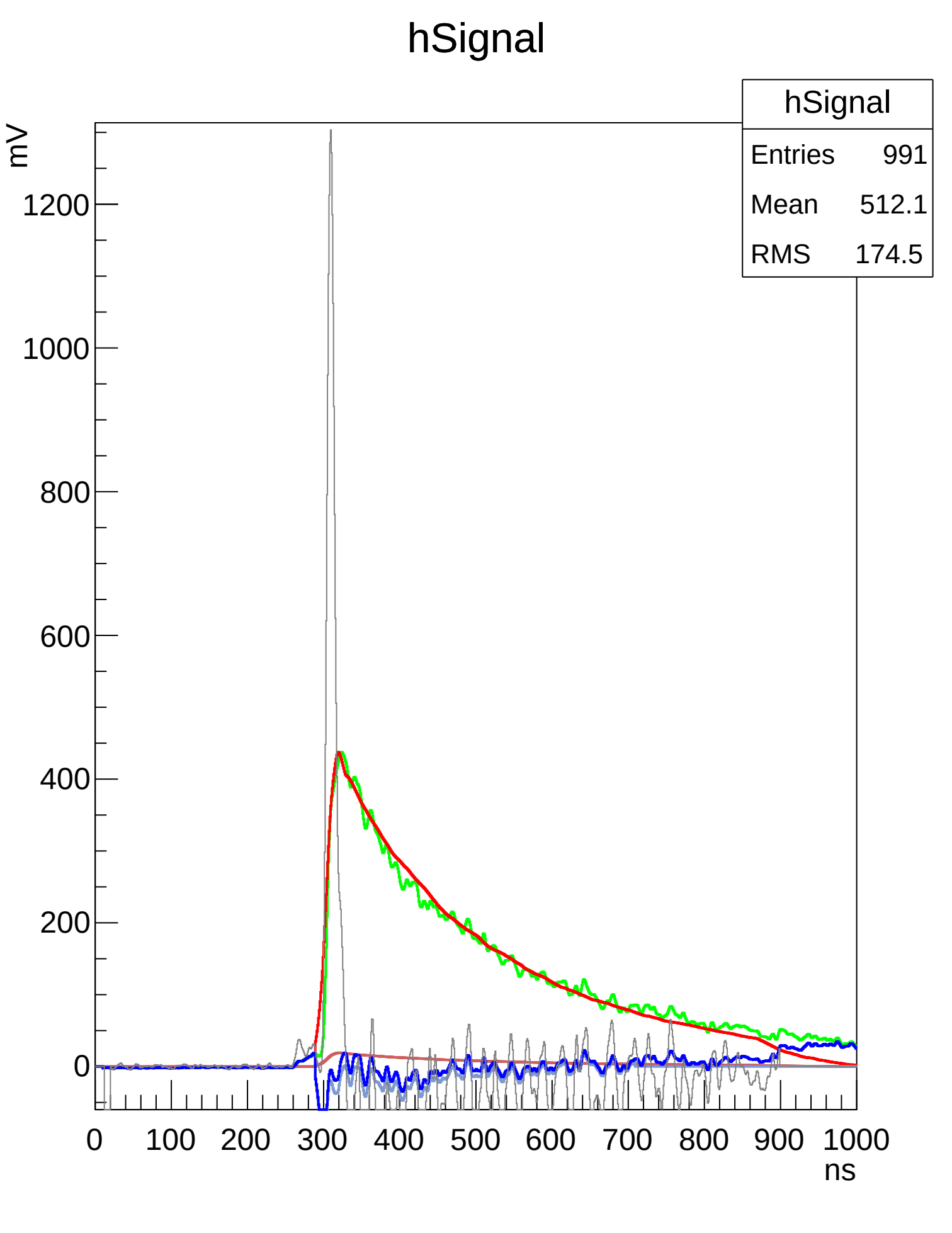

hSignal
hSignal
Entries 991
Mean 504.1
RMS 171.9
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

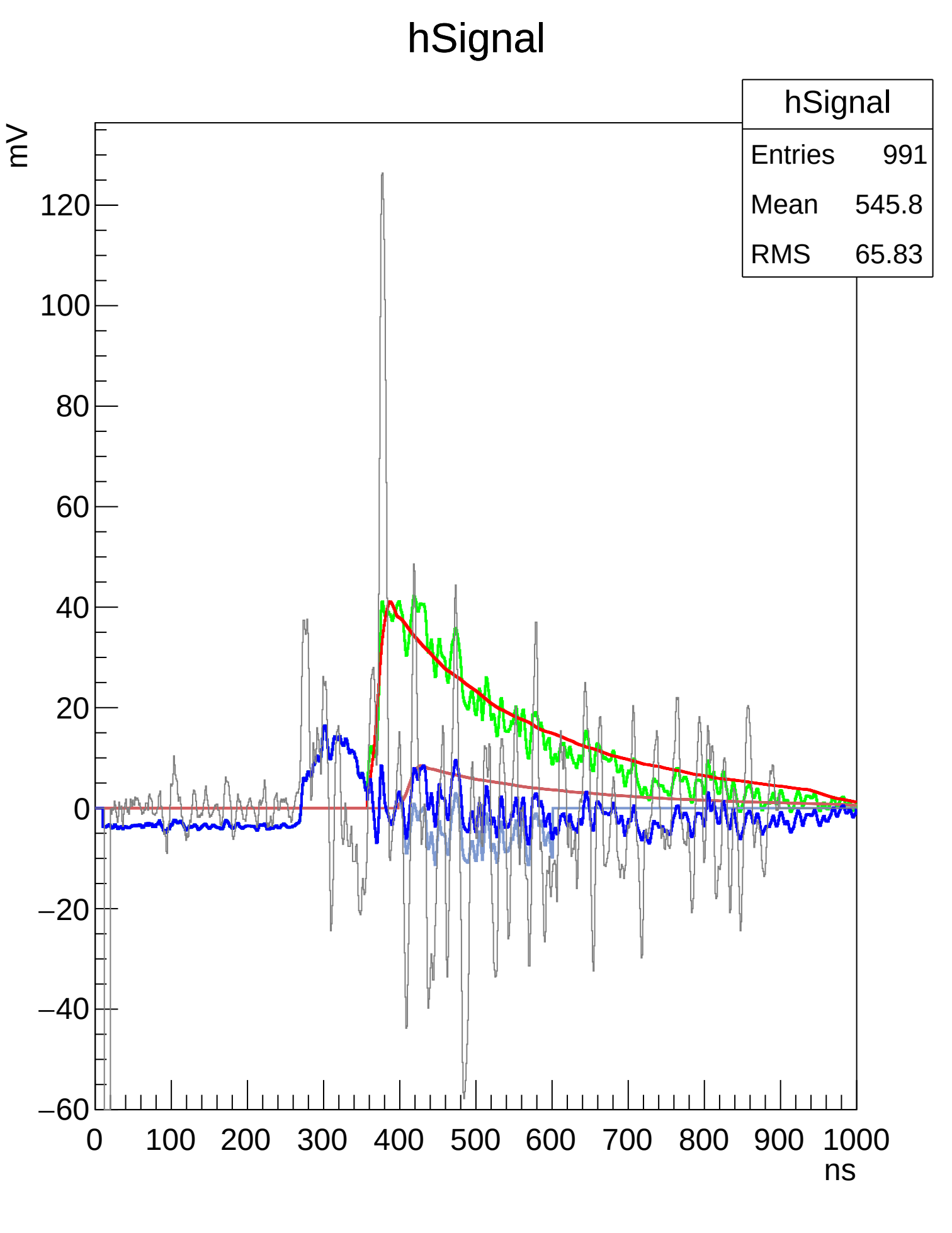

hSignal
hSignal
Entries 991
Mean 548.6
RMS 115.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

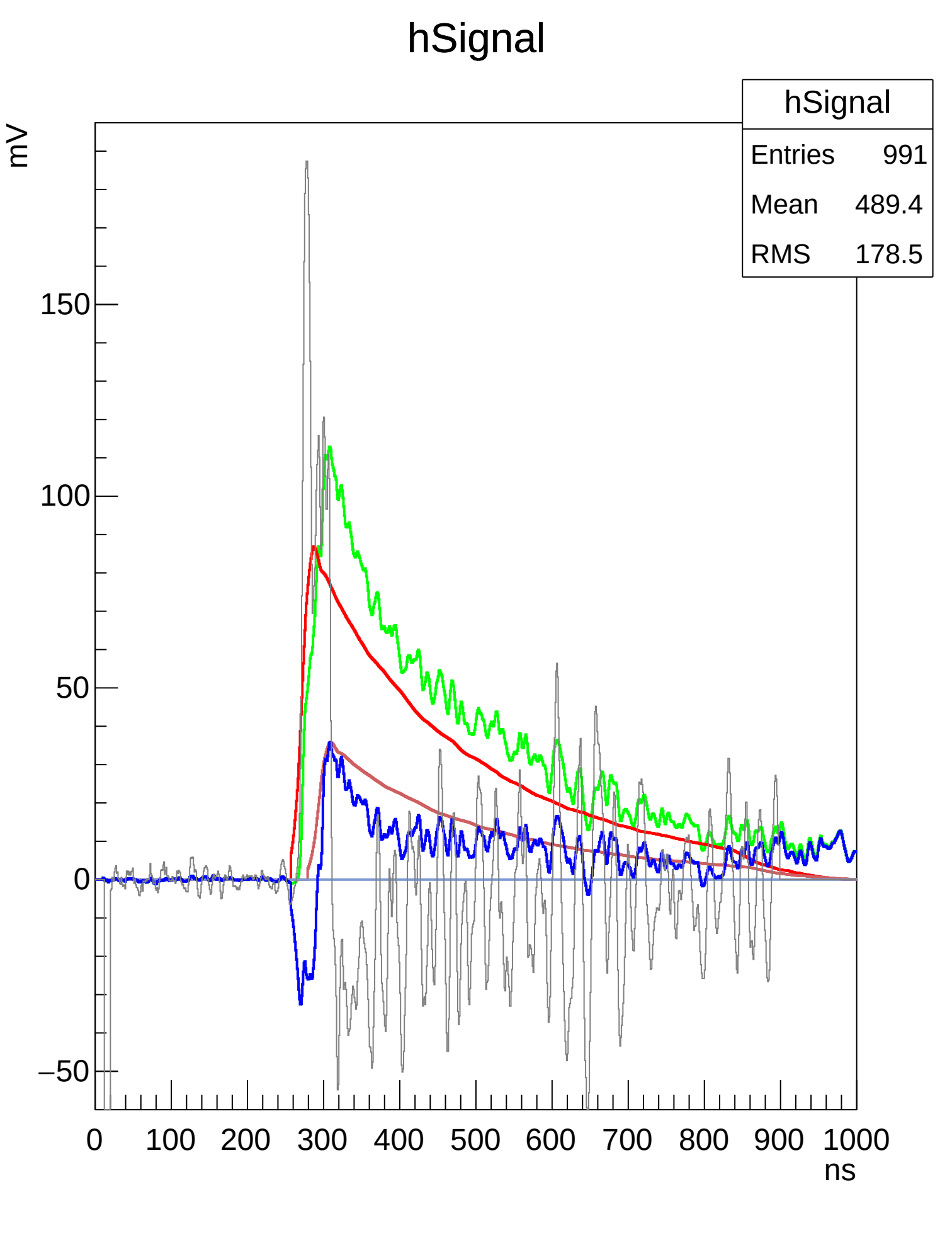

hSignal
hSignal
Entries 991
Mean 508.6
RMS 170.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

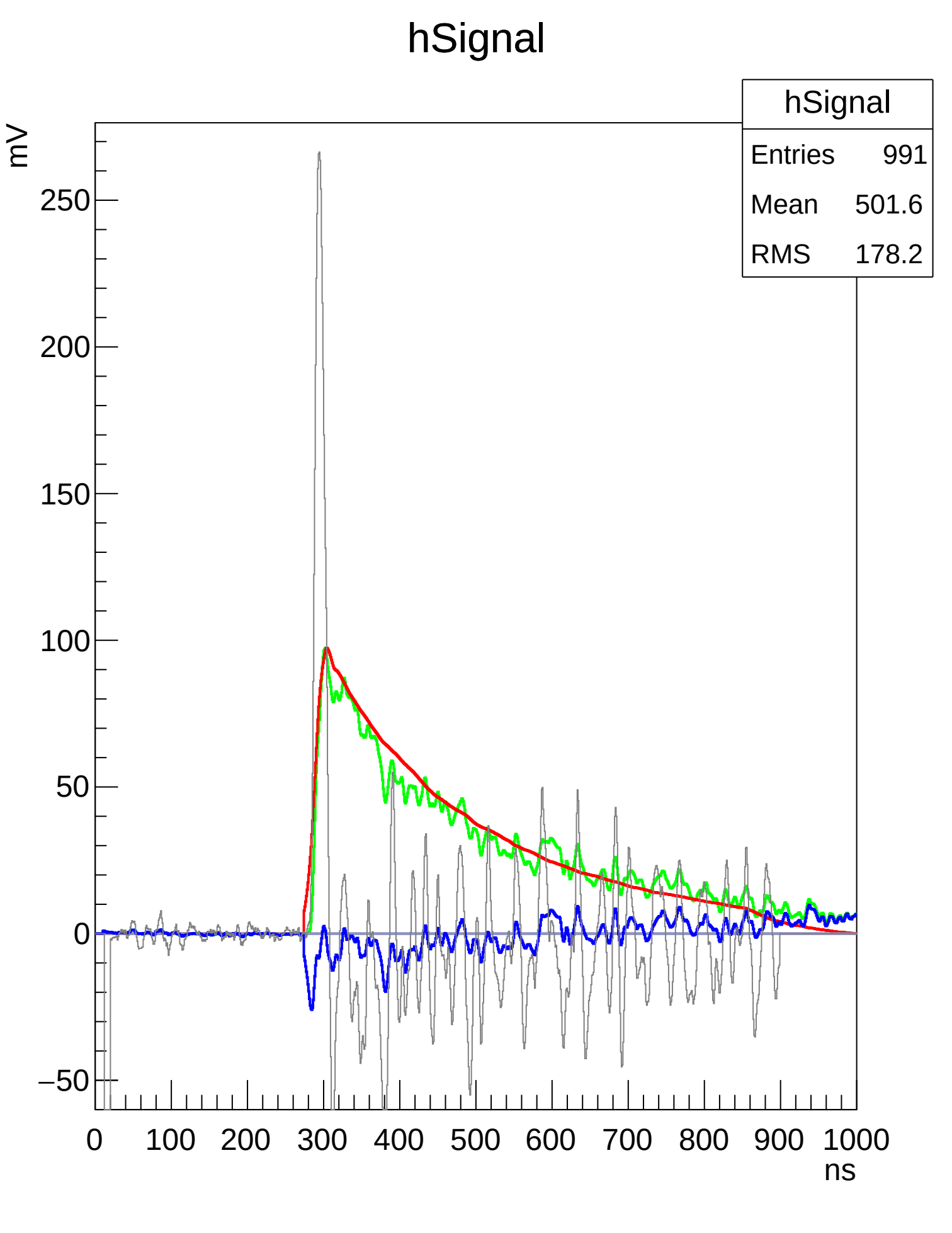

hSignal
hSignal
Entries 991
Mean 486.1
RMS 172.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

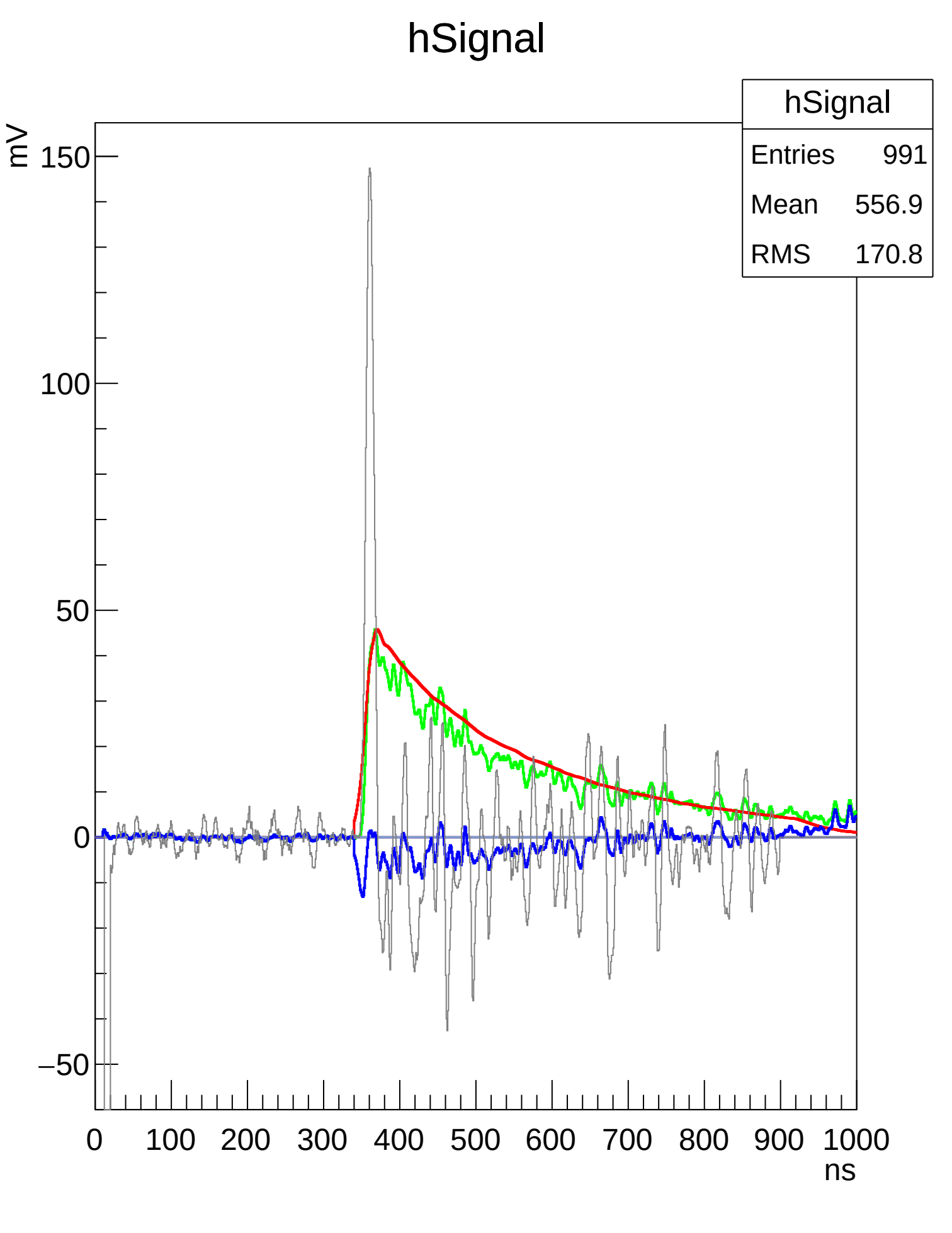

hSignal
hSignal
Entries 991
Mean 489.7
RMS 171.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

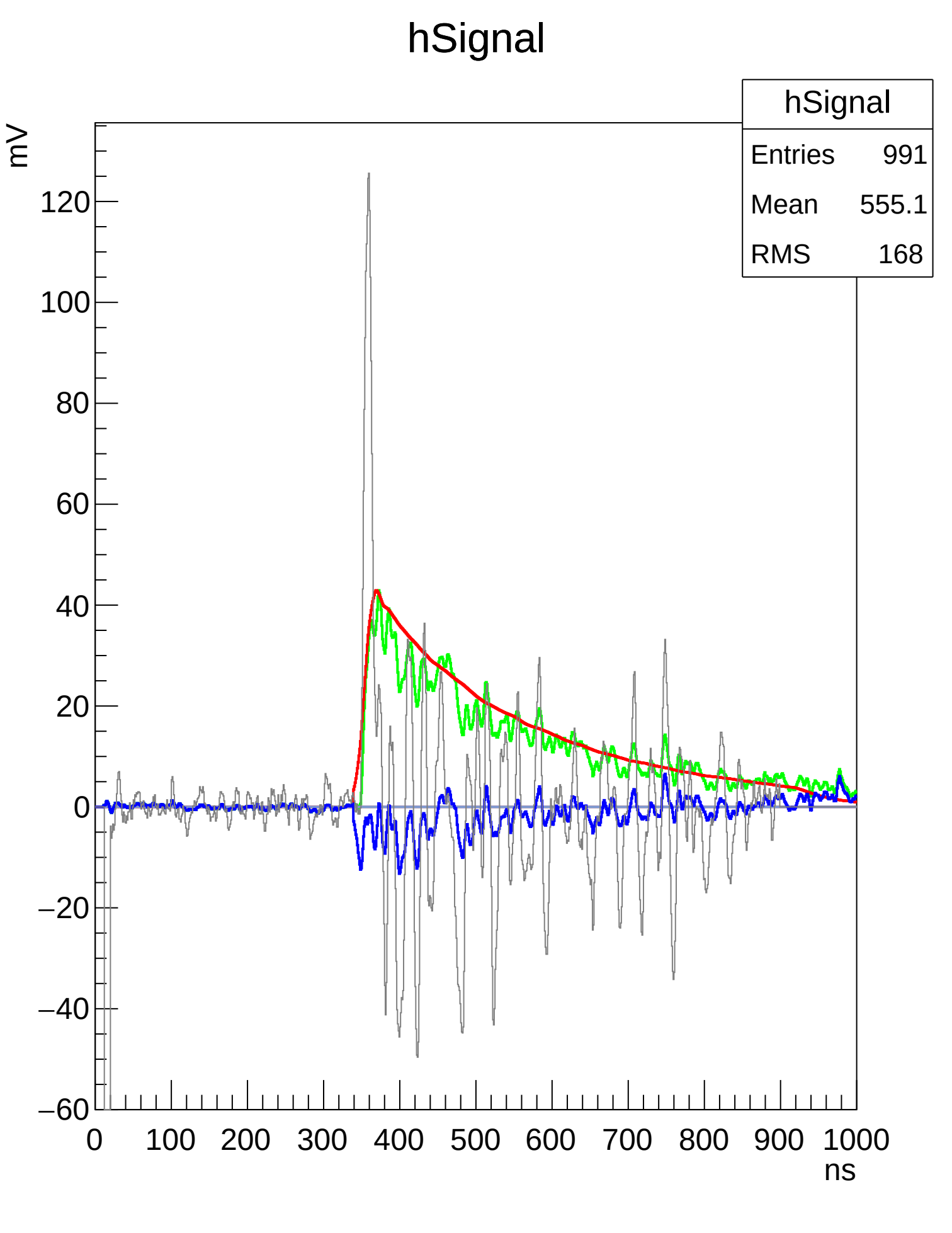

hSignal
hSignal
Entries 991
Mean 512.1
RMS 174.5
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

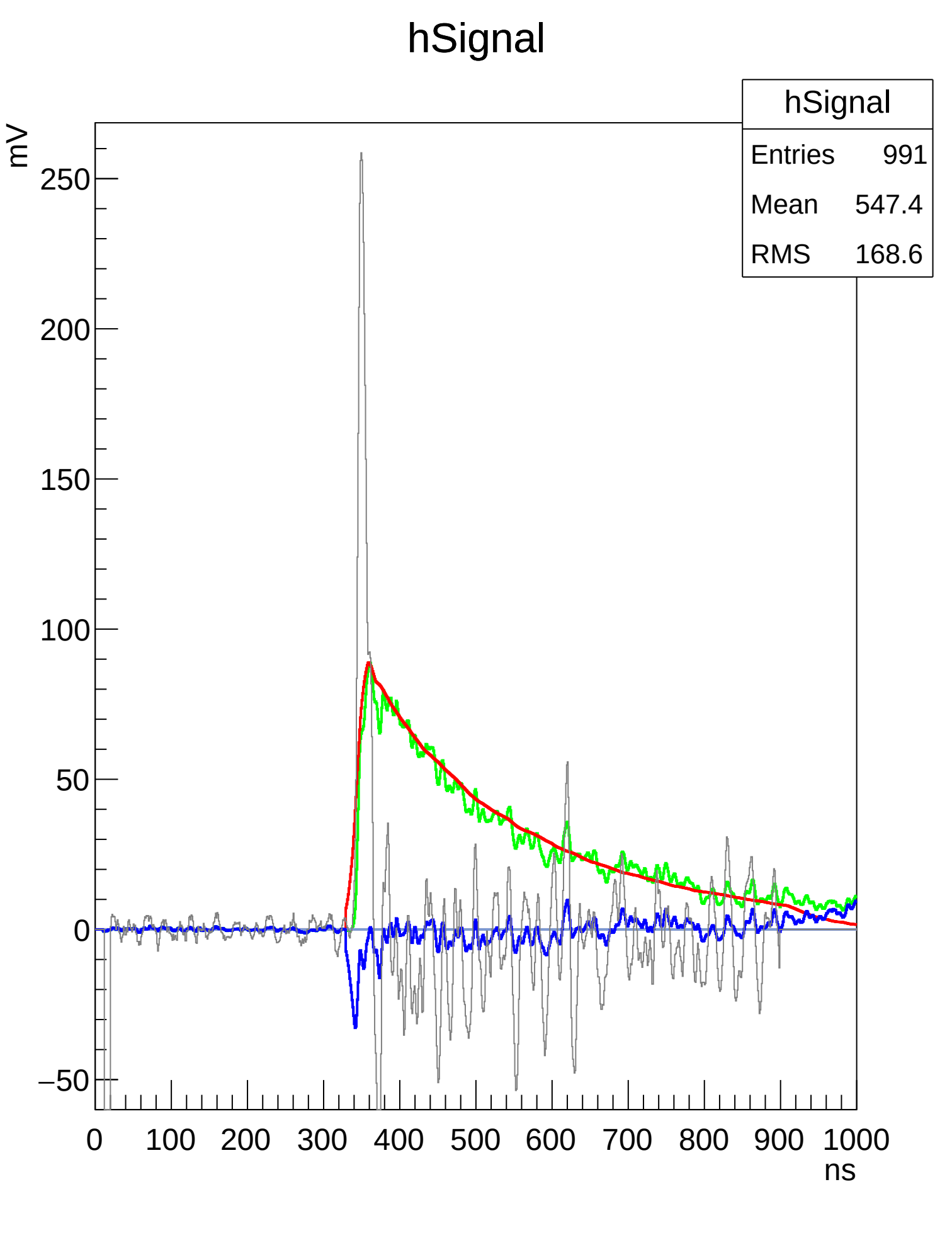

hSignal
hSignal
Entries 991
Mean 545.8
RMS 65.83
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

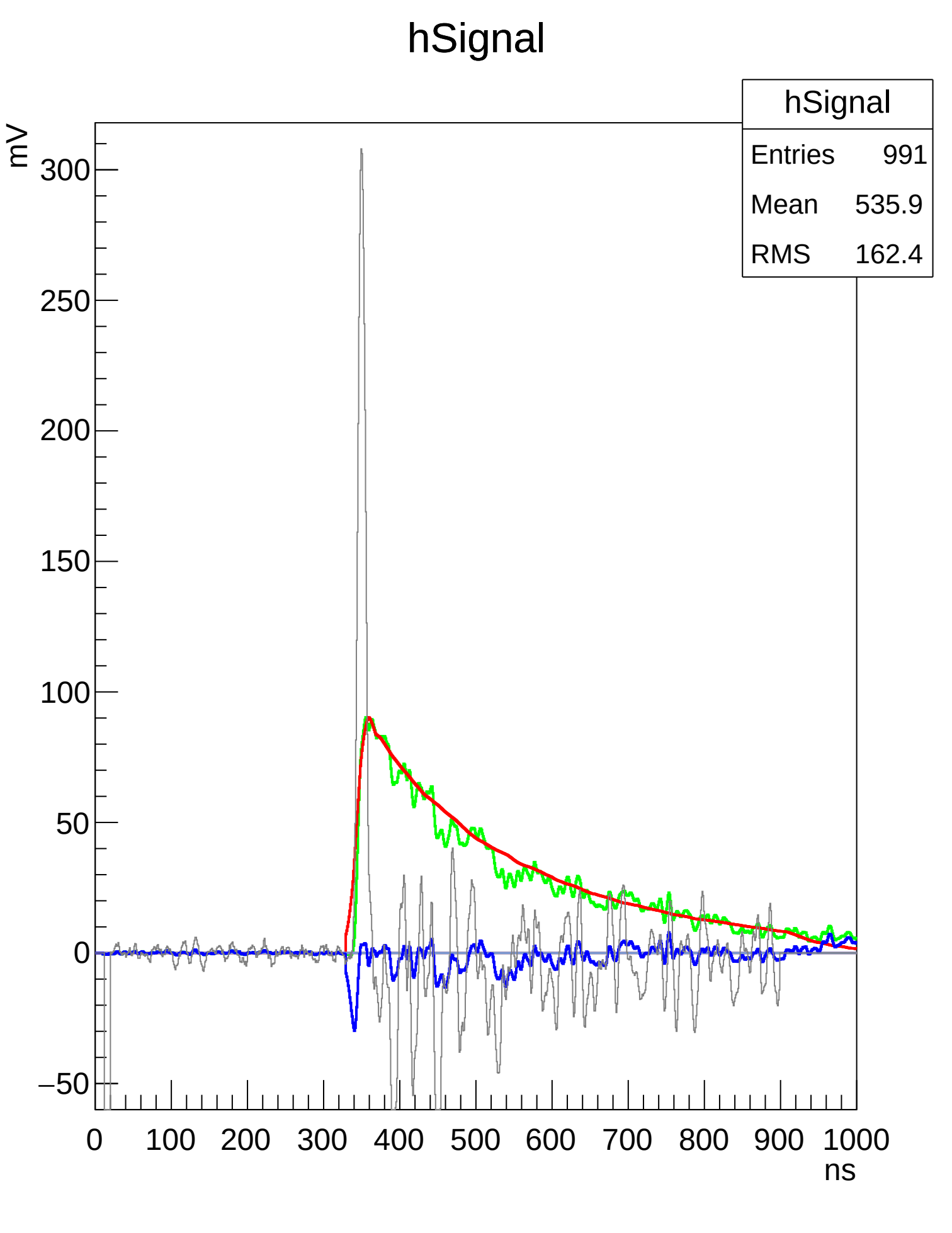

hSignal
hSignal
Entries 991
Mean 489.4
RMS 178.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

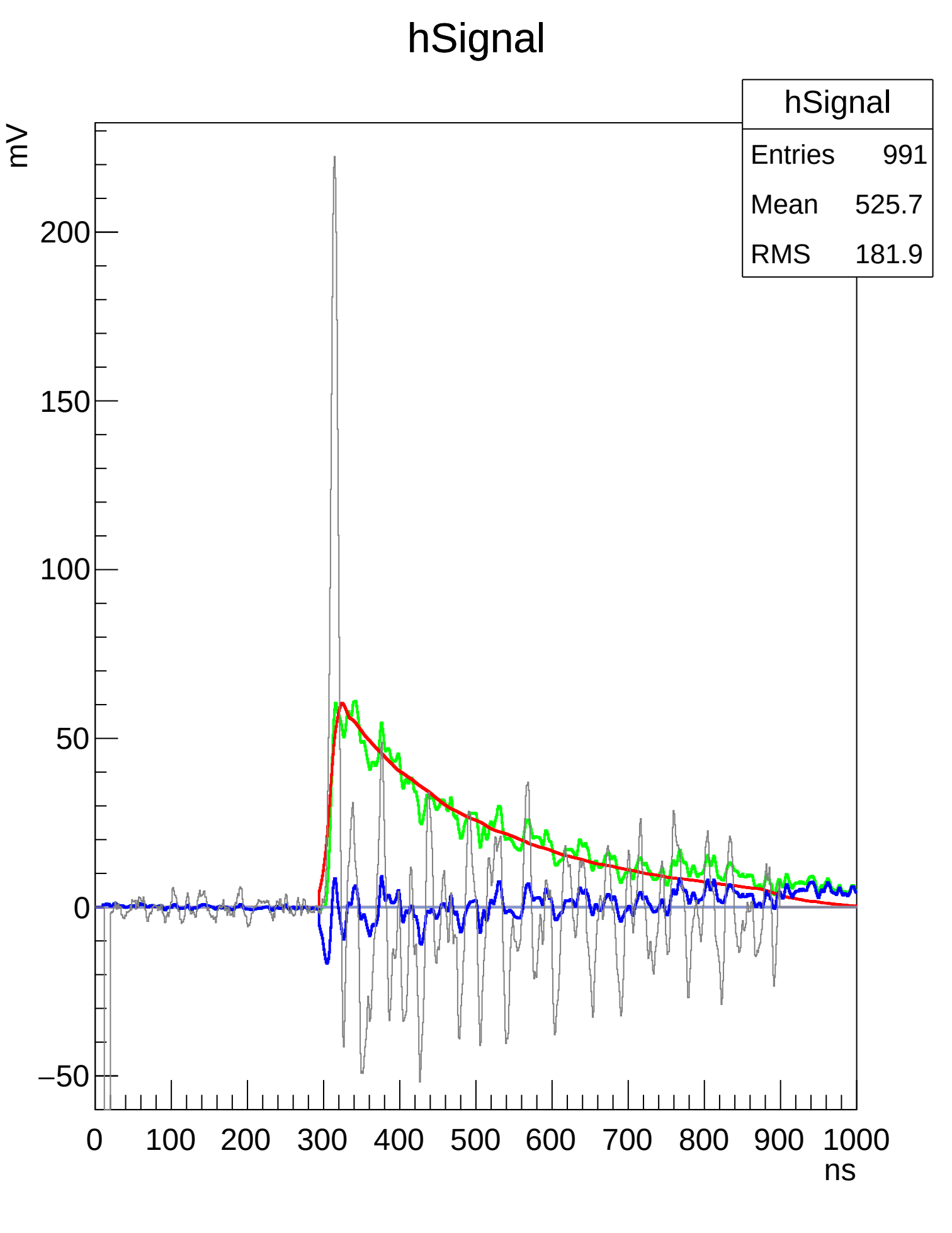

hSignal
hSignal
Entries 991
Mean 501.6
RMS 178.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

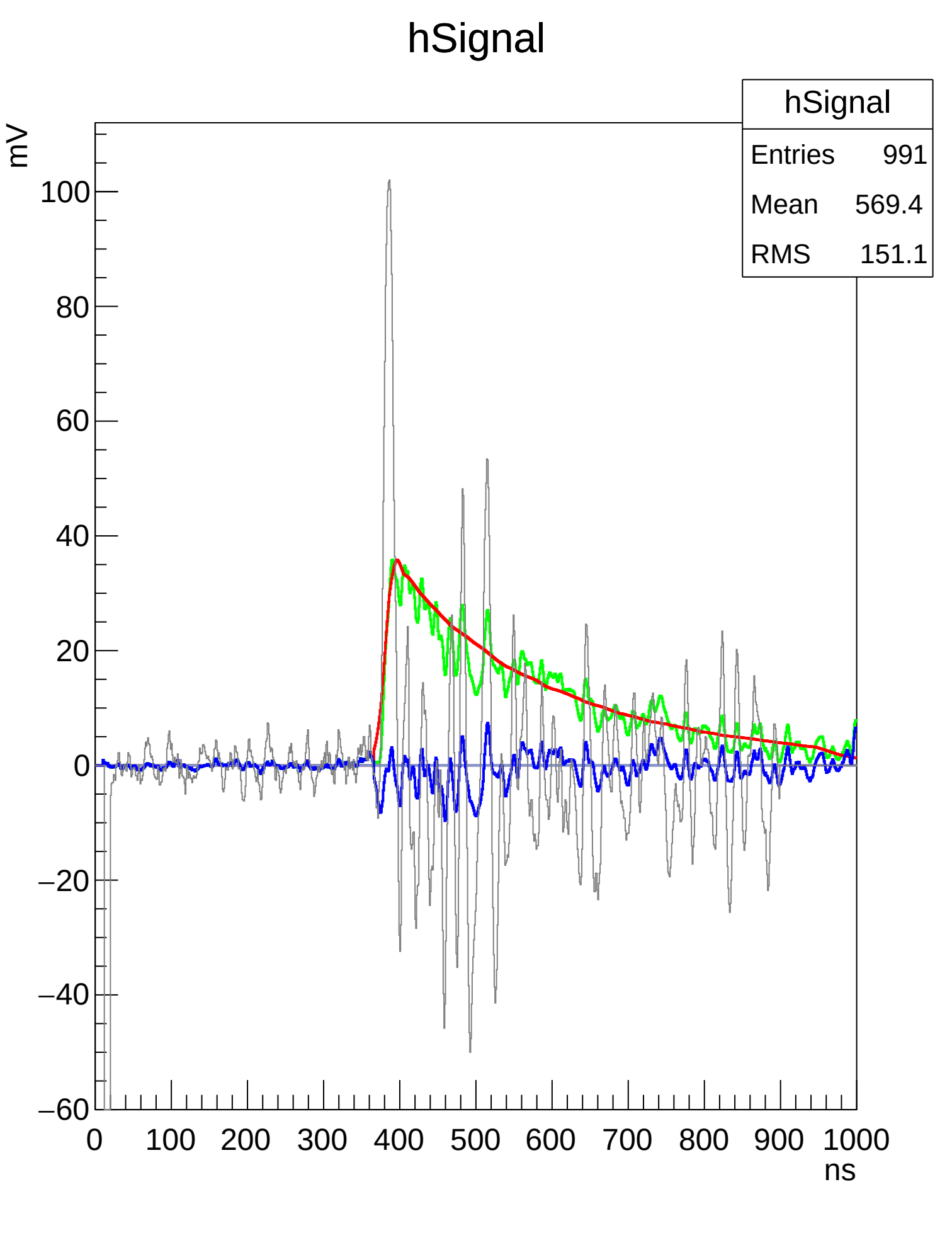

hSignal
hSignal
Entries 991
Mean 556.9
RMS 170.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

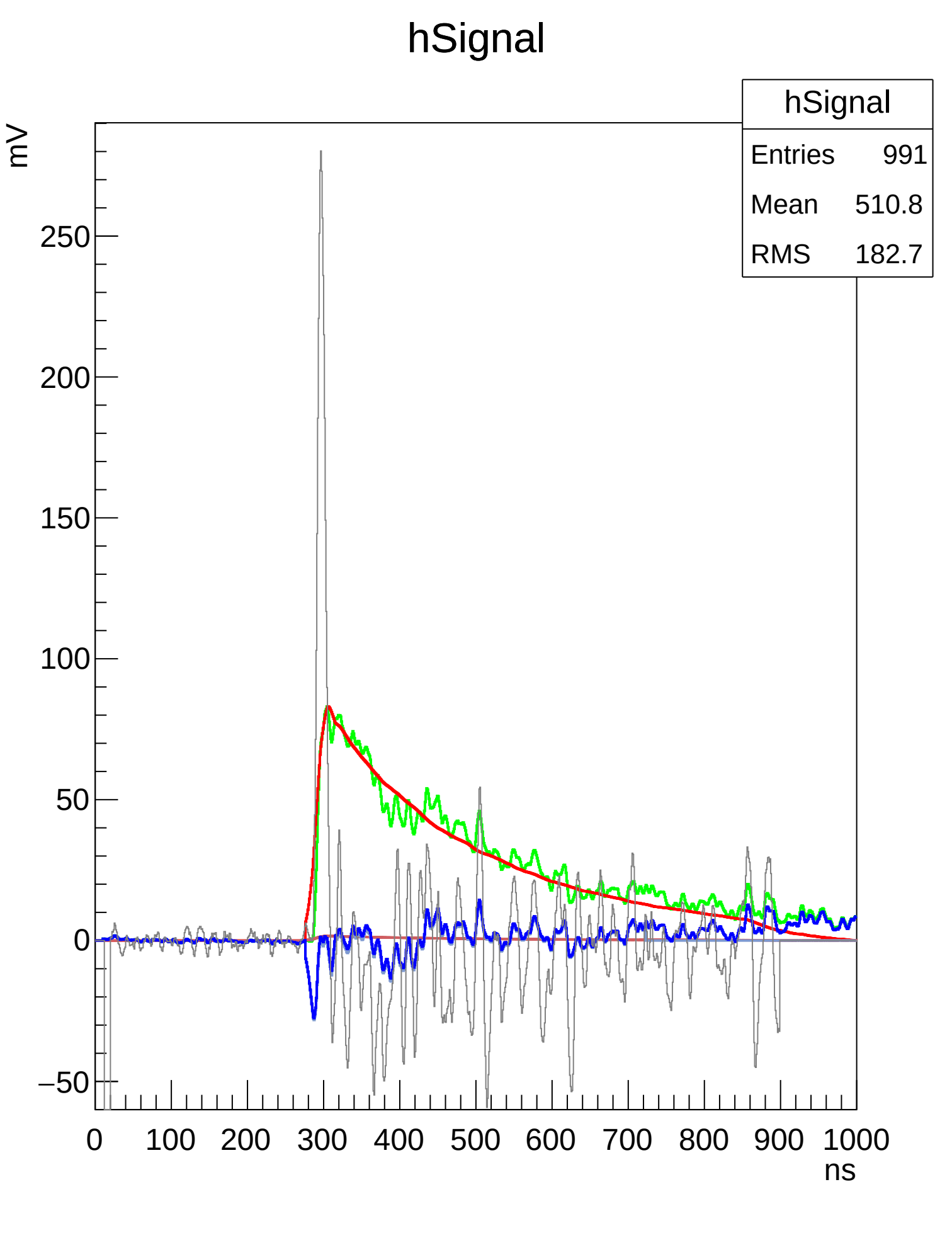

hSignal
hSignal
Entries 991
Mean 555.1
RMS 168
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

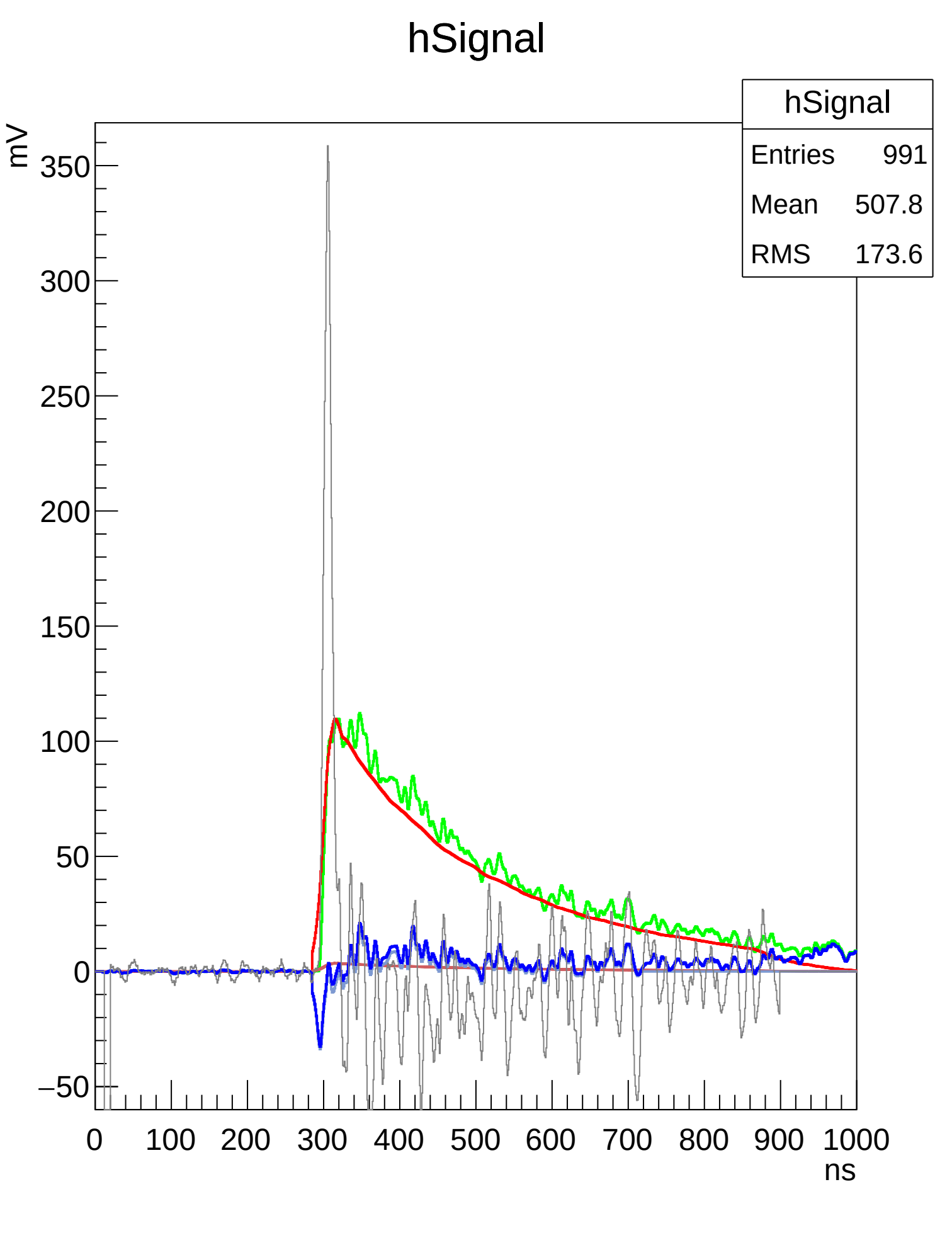

hSignal
hSignal
Entries 991
Mean 547.4
RMS 168.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

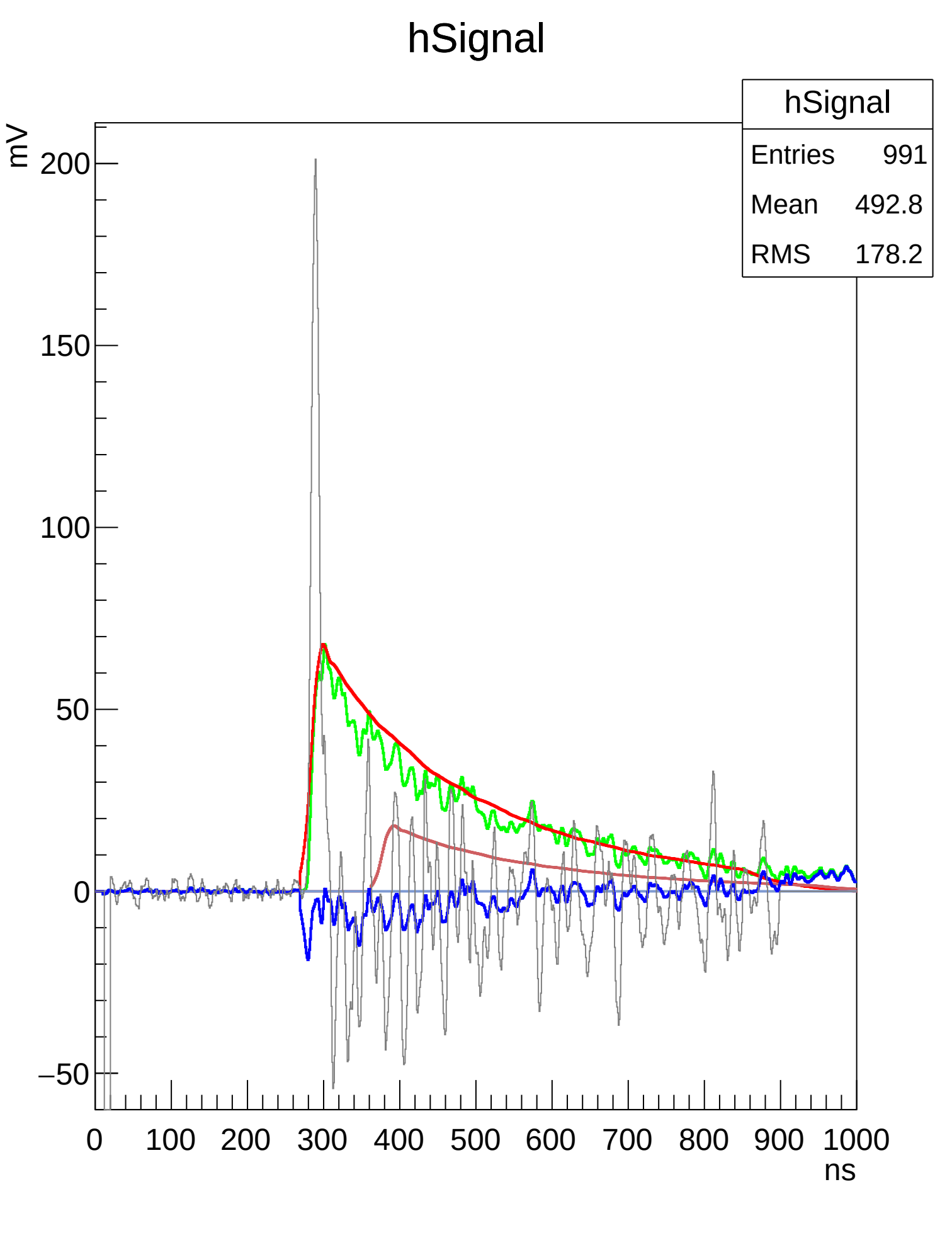

hSignal
hSignal
Entries 991
Mean 535.9
RMS 162.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

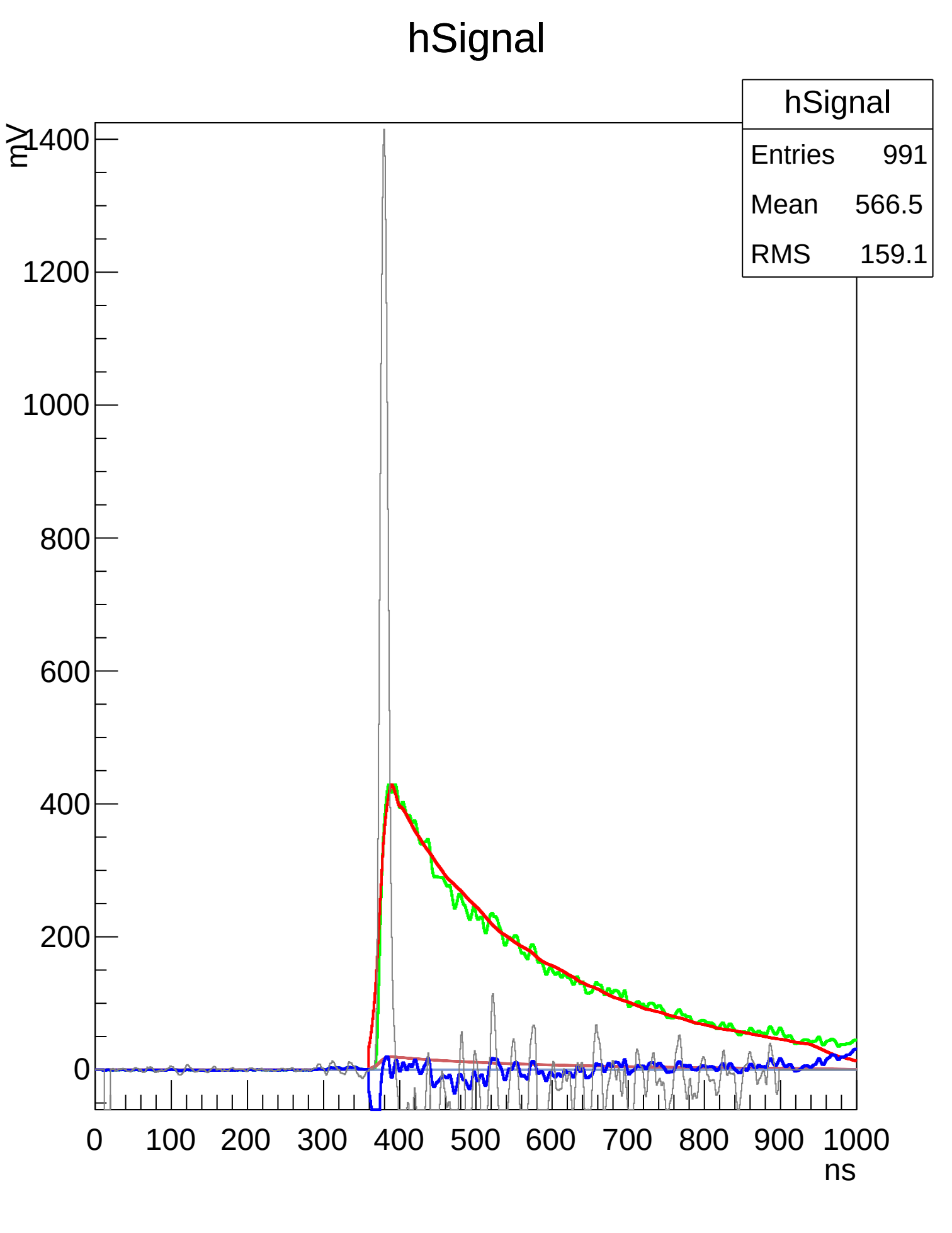

hSignal
hSignal
Entries 991
Mean 525.7
RMS 181.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

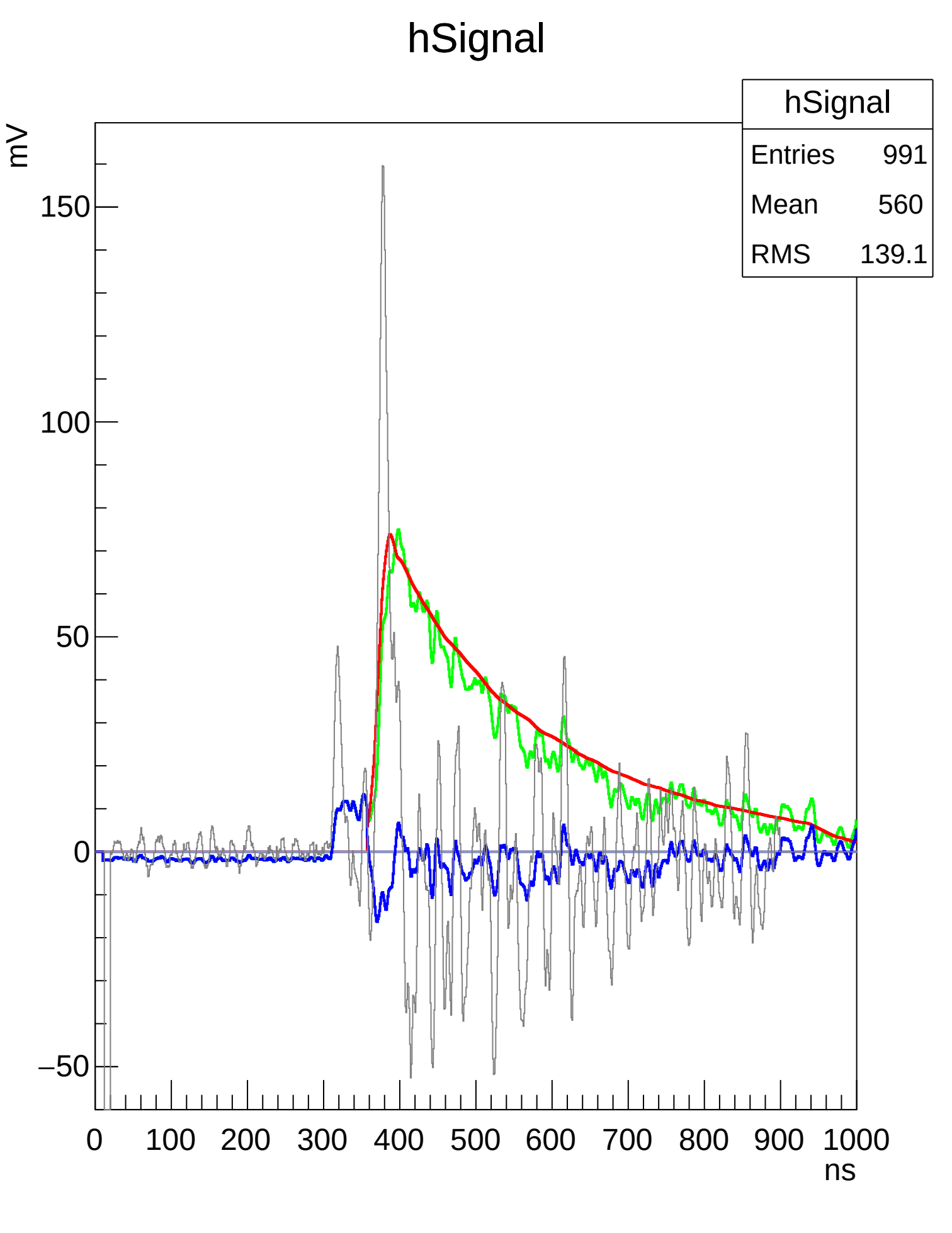

hSignal
hSignal
Entries 991
Mean 569.4
RMS 151.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

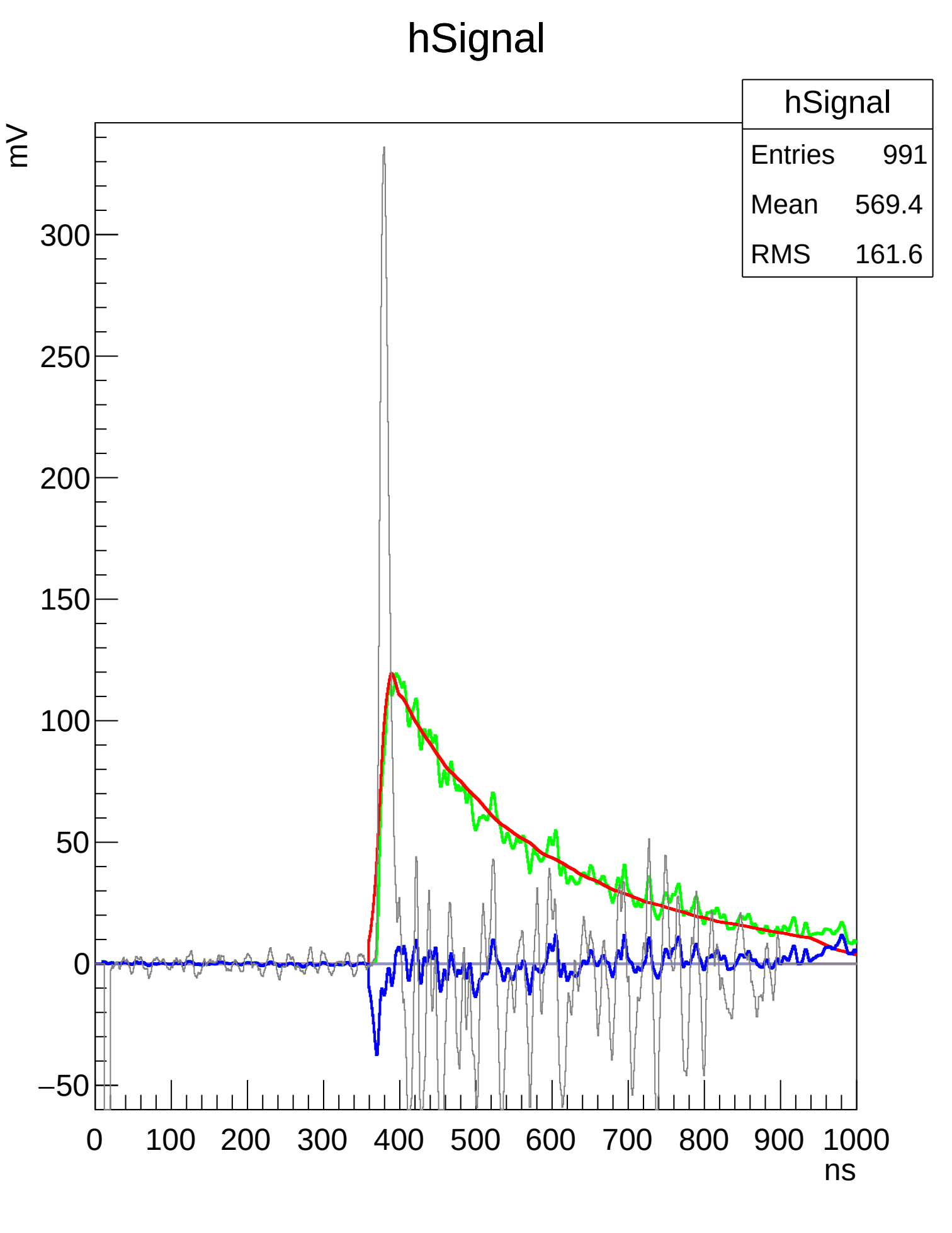

hSignal
hSignal
Entries 991
Mean 510.8
RMS 182.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

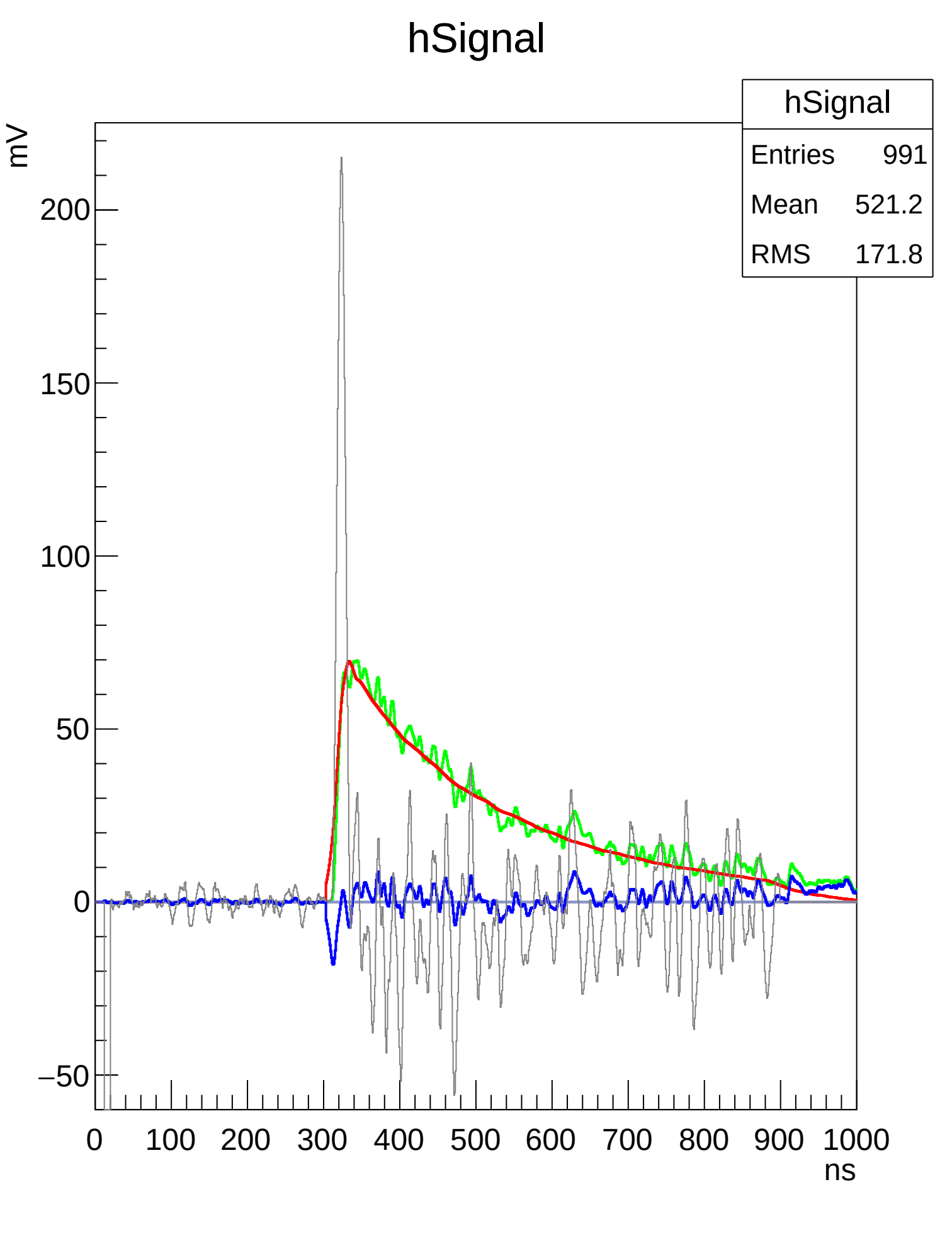

hSignal
hSignal
Entries 991
Mean 507.8
RMS 173.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

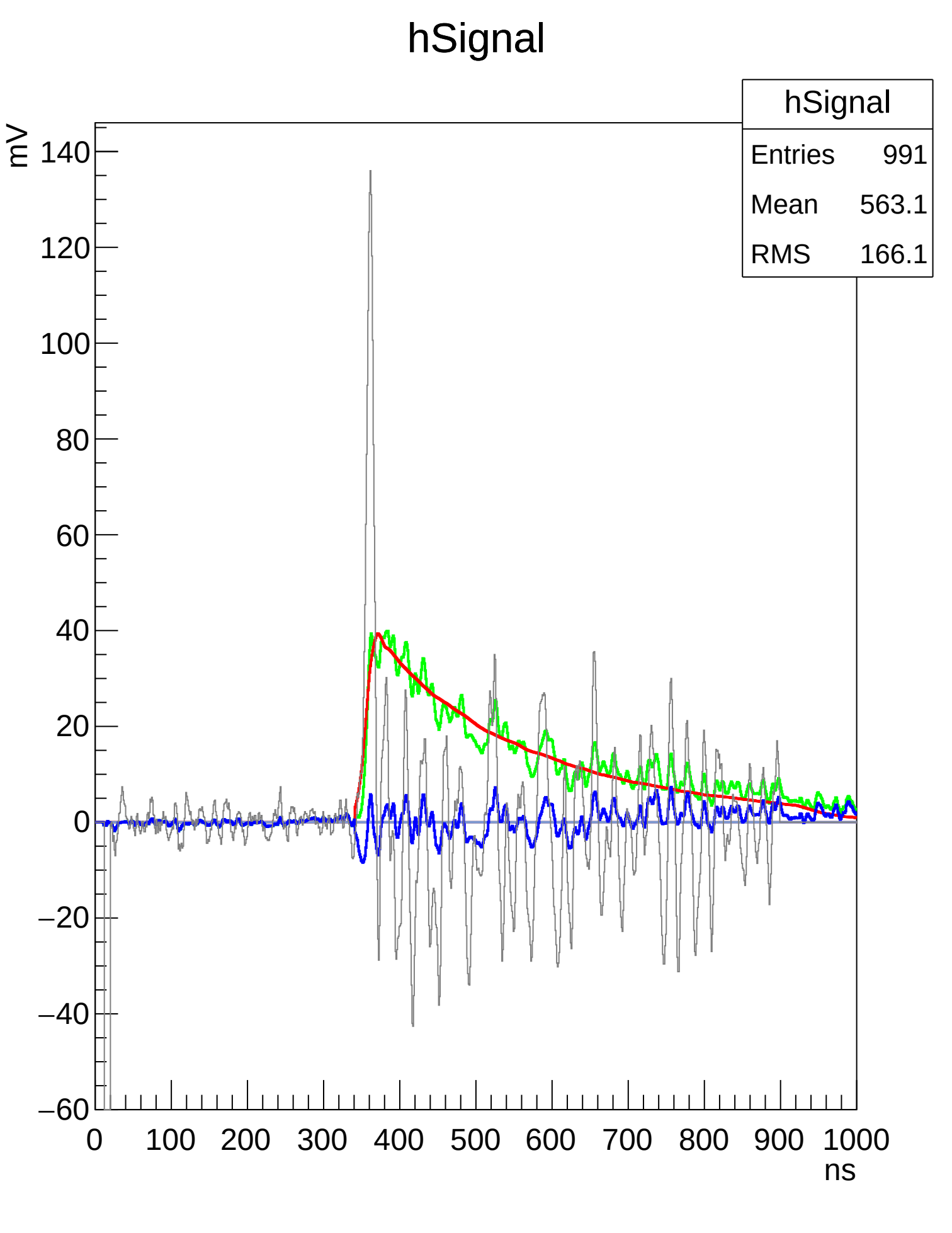

hSignal
hSignal
Entries 991
Mean 492.8
RMS 178.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

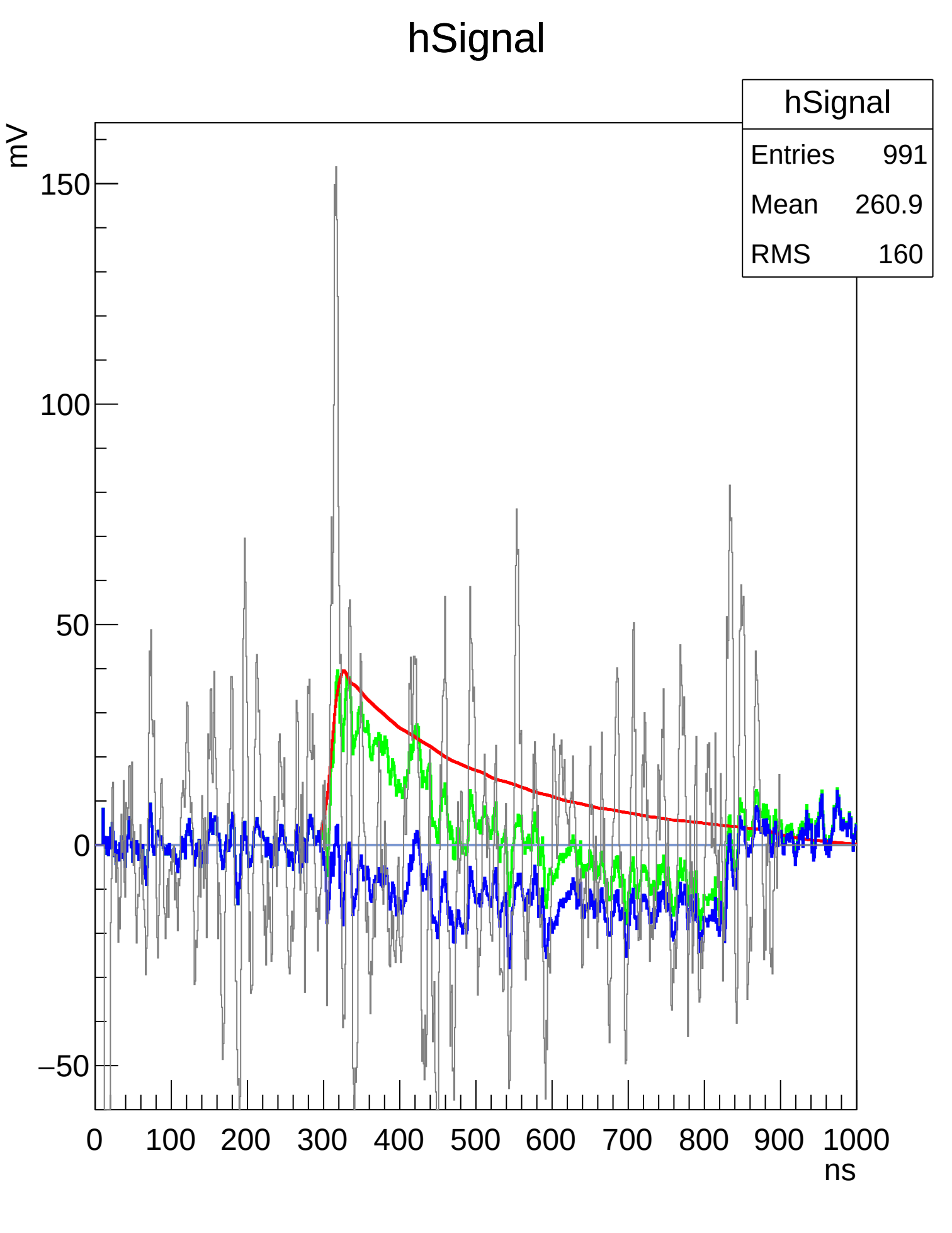

hSignal
hSignal
Entries 991
Mean 566.5
RMS 159.1
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

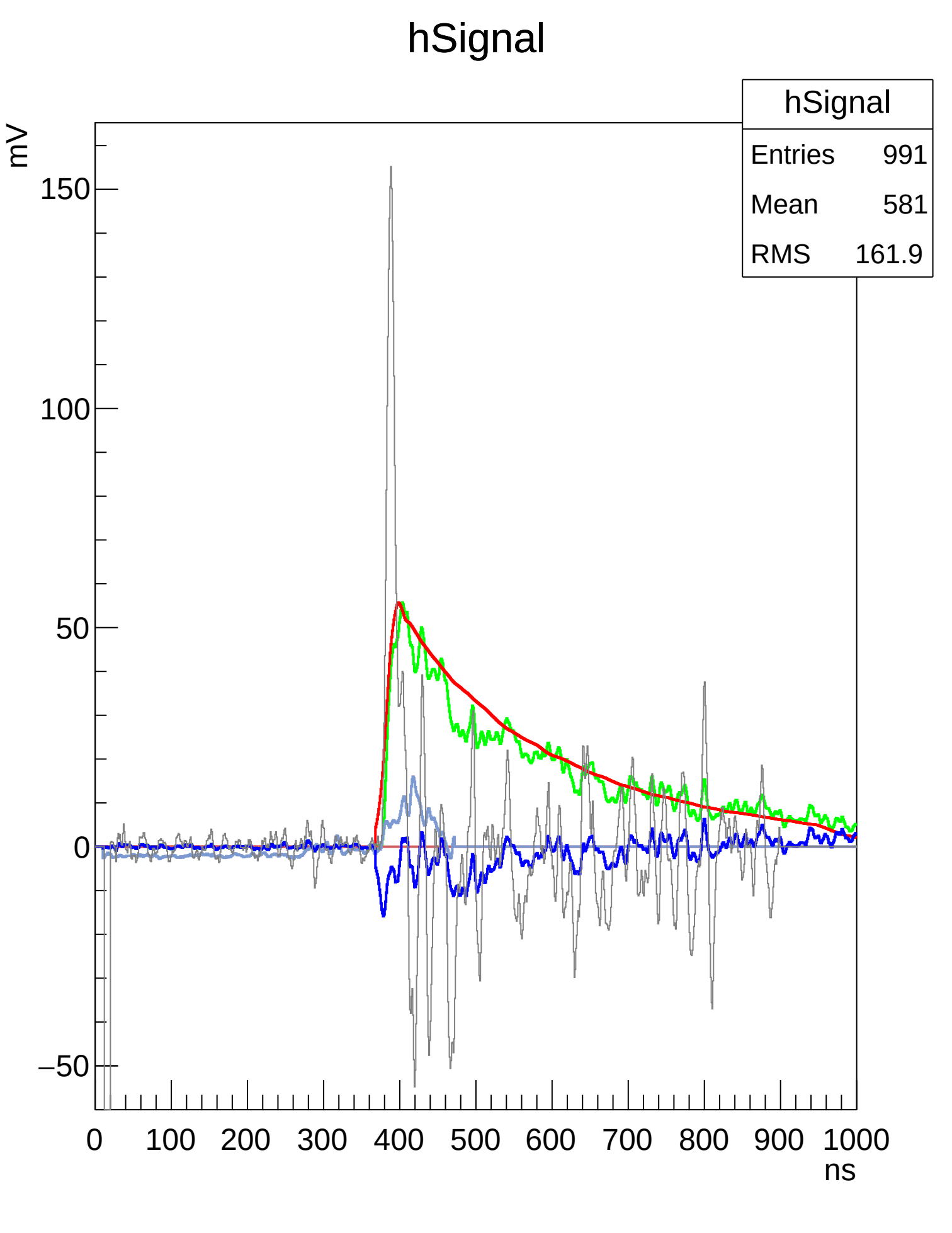

hSignal
hSignal
Entries 991
Mean 560
RMS 139.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

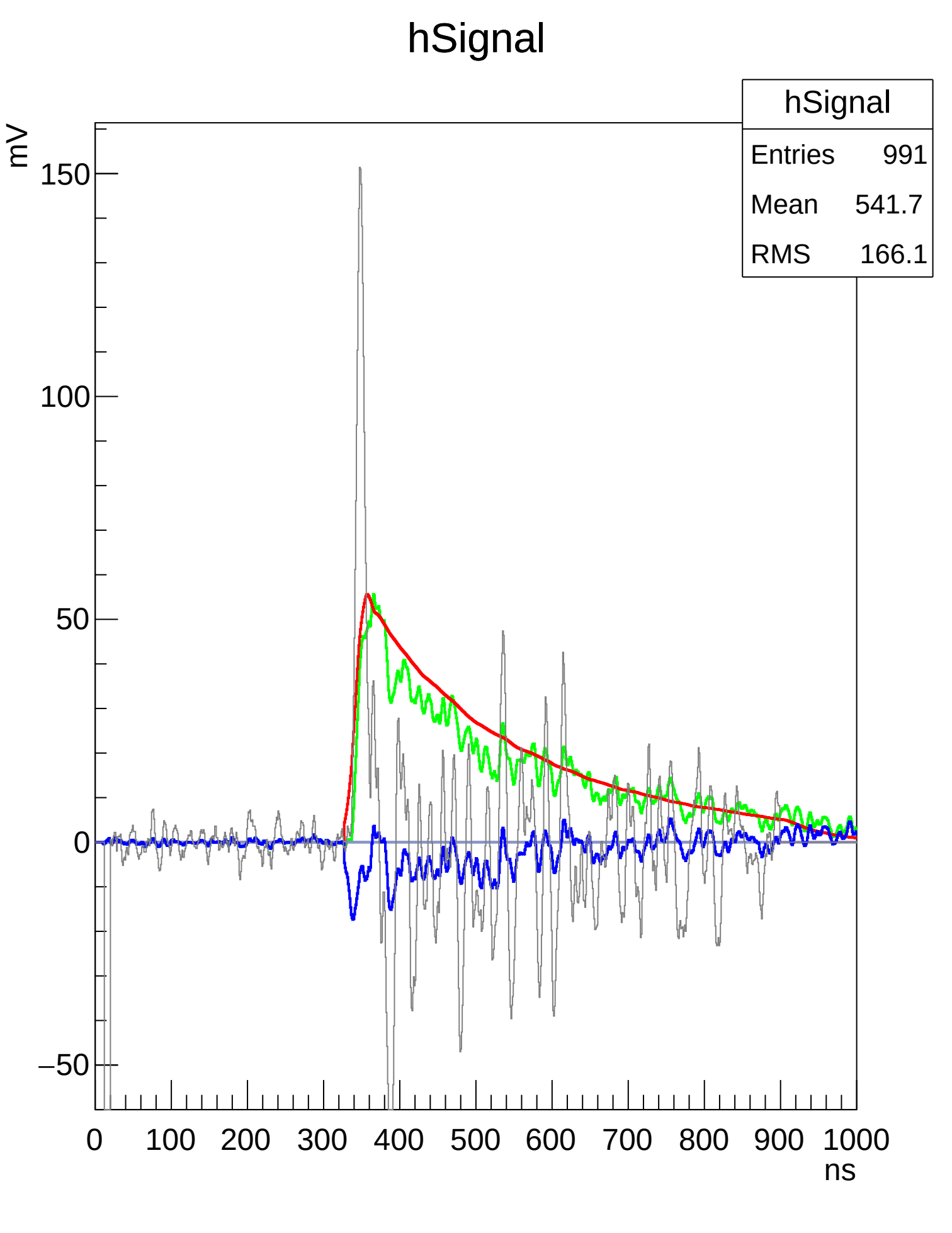

hSignal
hSignal
Entries 991
Mean 569.4
RMS 161.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

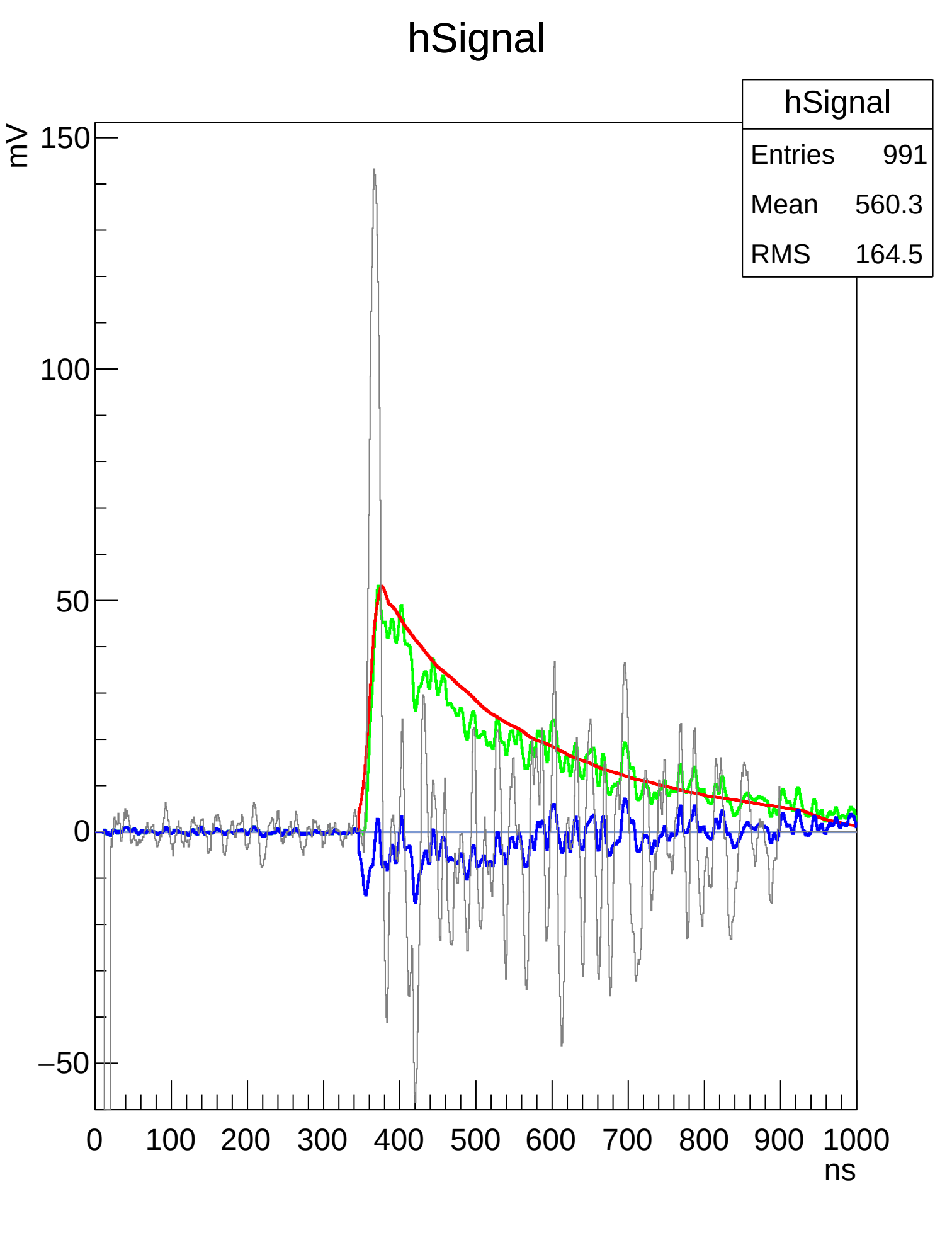

hSignal
hSignal
Entries 991
Mean 521.2
RMS 171.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

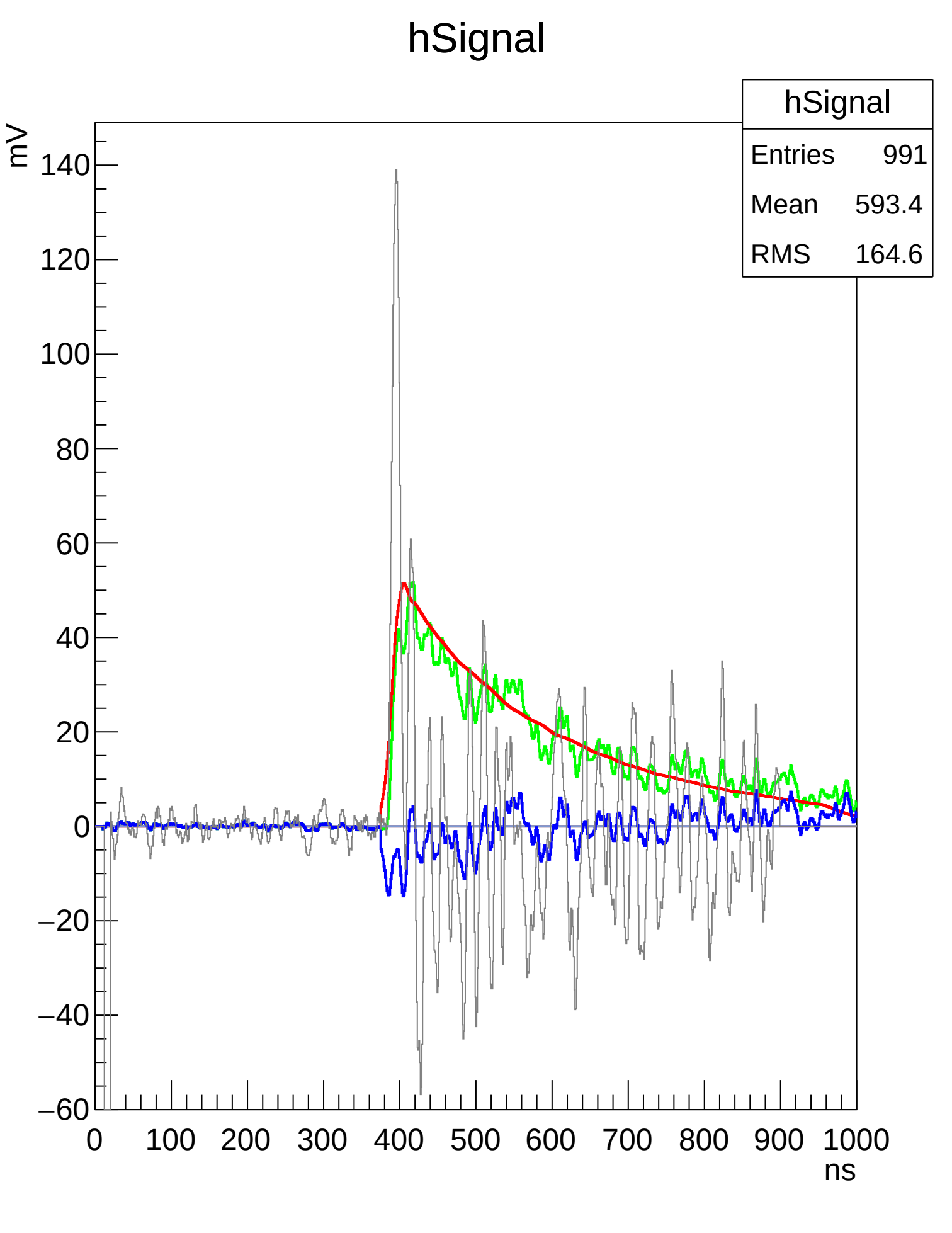

hSignal
hSignal
Entries 991
Mean 563.1
RMS 166.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

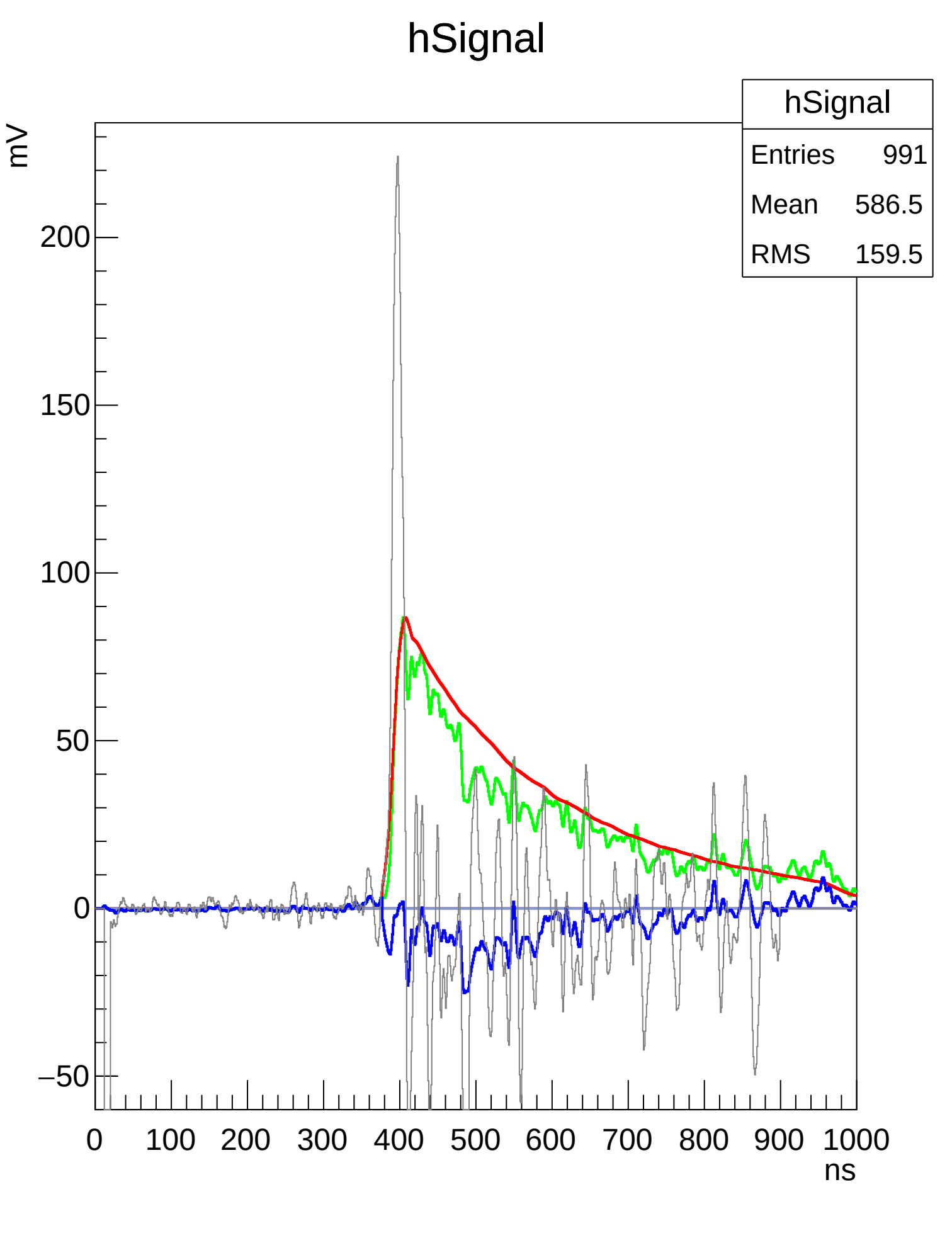

hSignal
hSignal
Entries 991
Mean 260.9
RMS 160
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

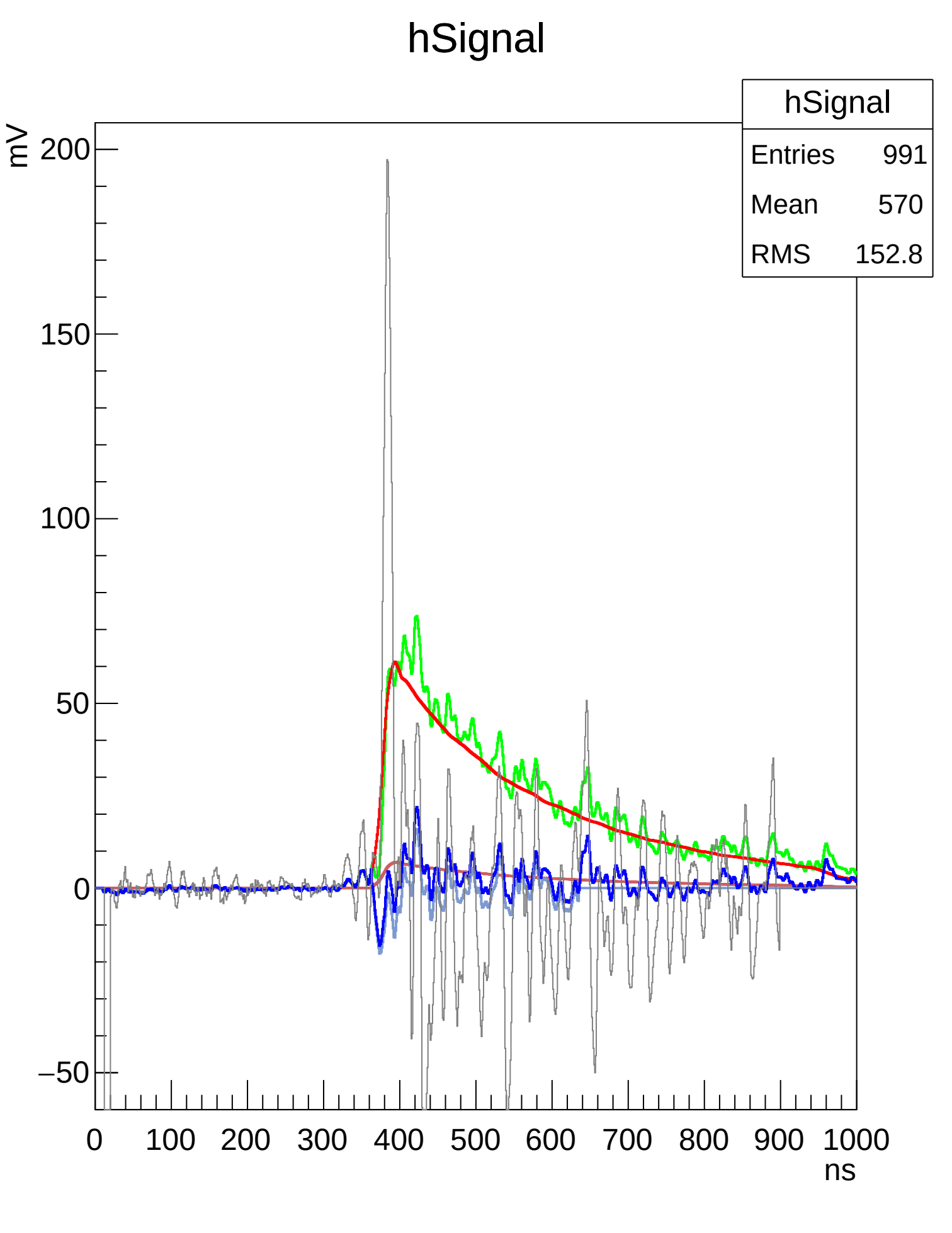

hSignal
hSignal
Entries 991
Mean 581
RMS 161.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

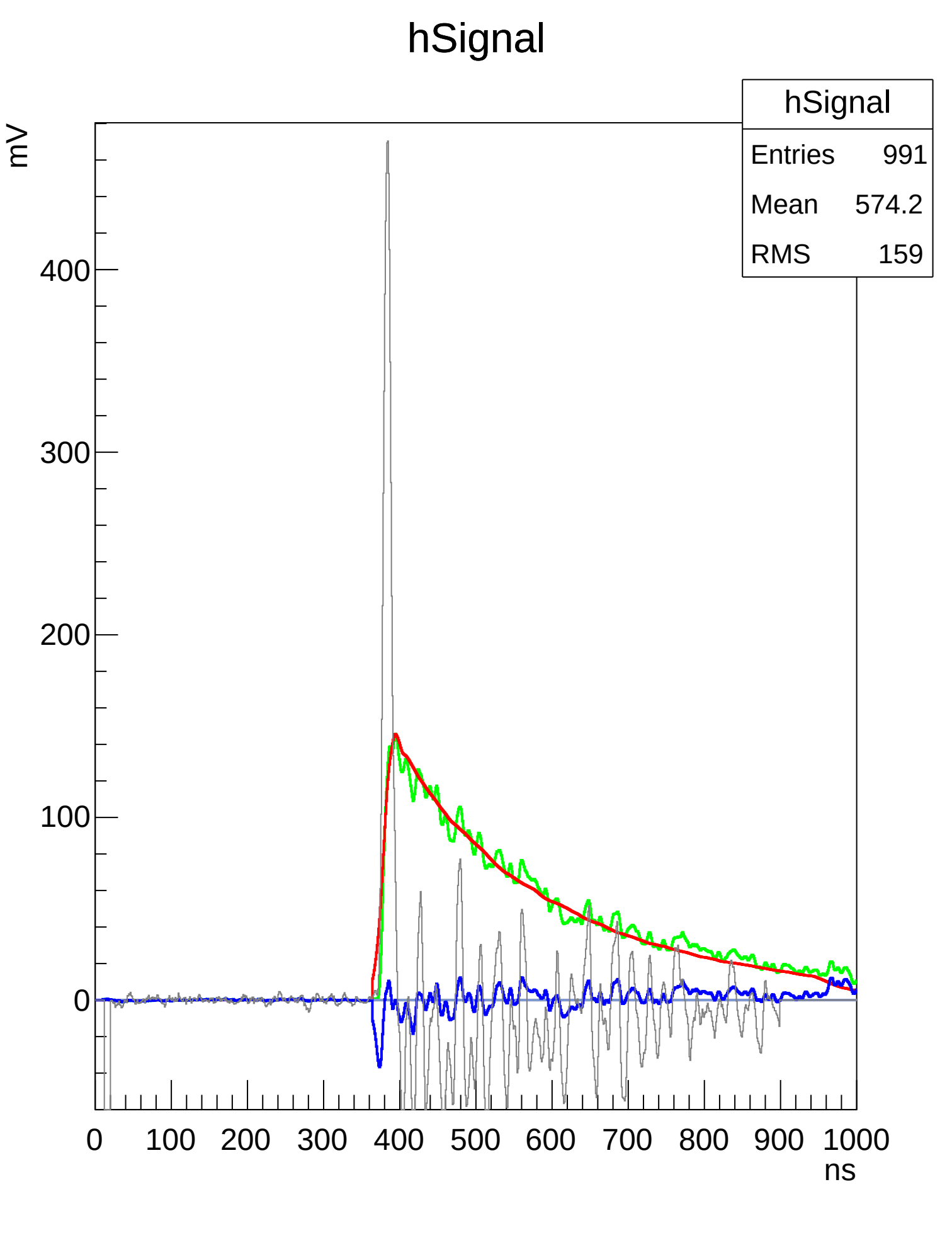

hSignal
hSignal
Entries 991
Mean 541.7
RMS 166.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

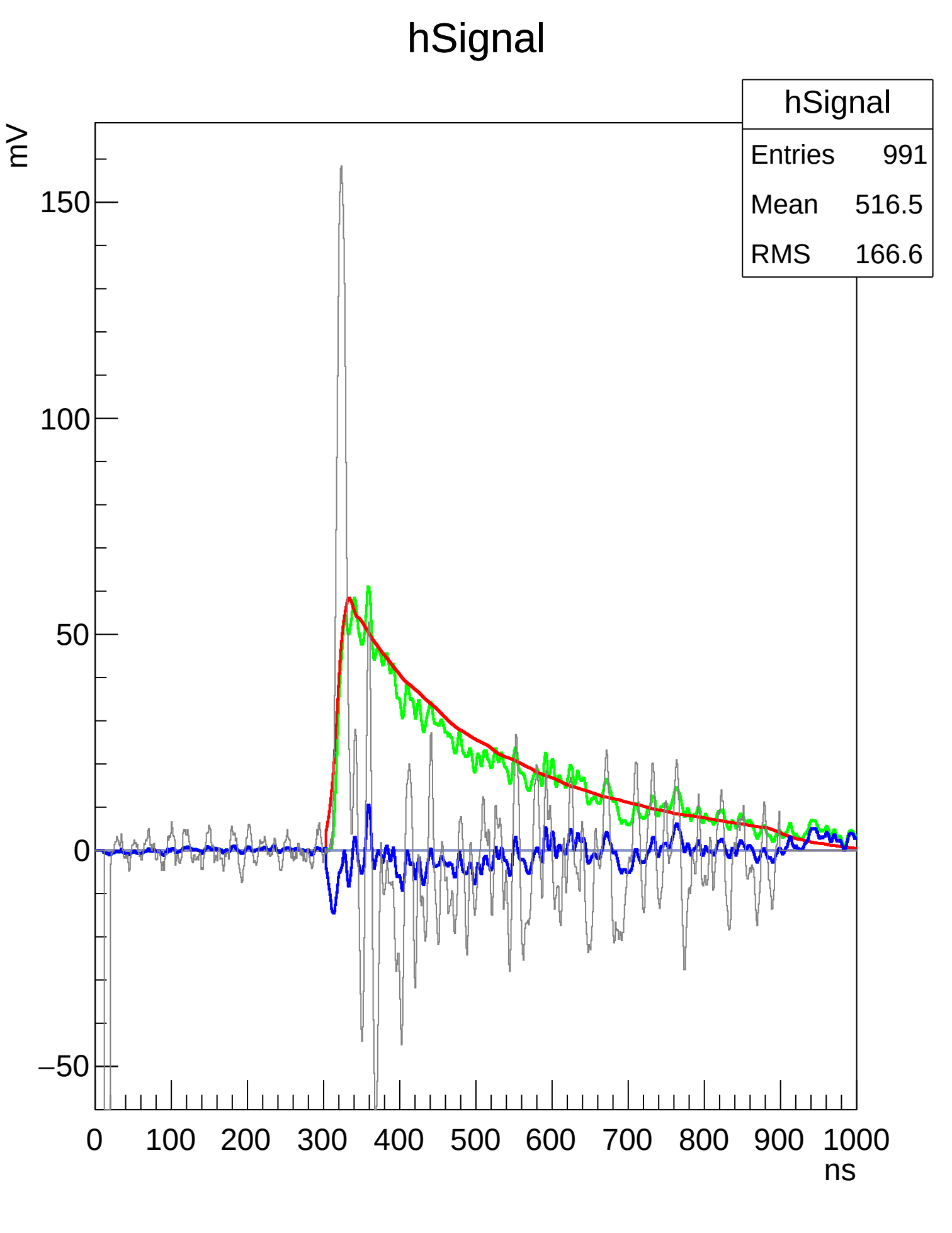

hSignal
hSignal
Entries 991
Mean 560.3
RMS 164.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

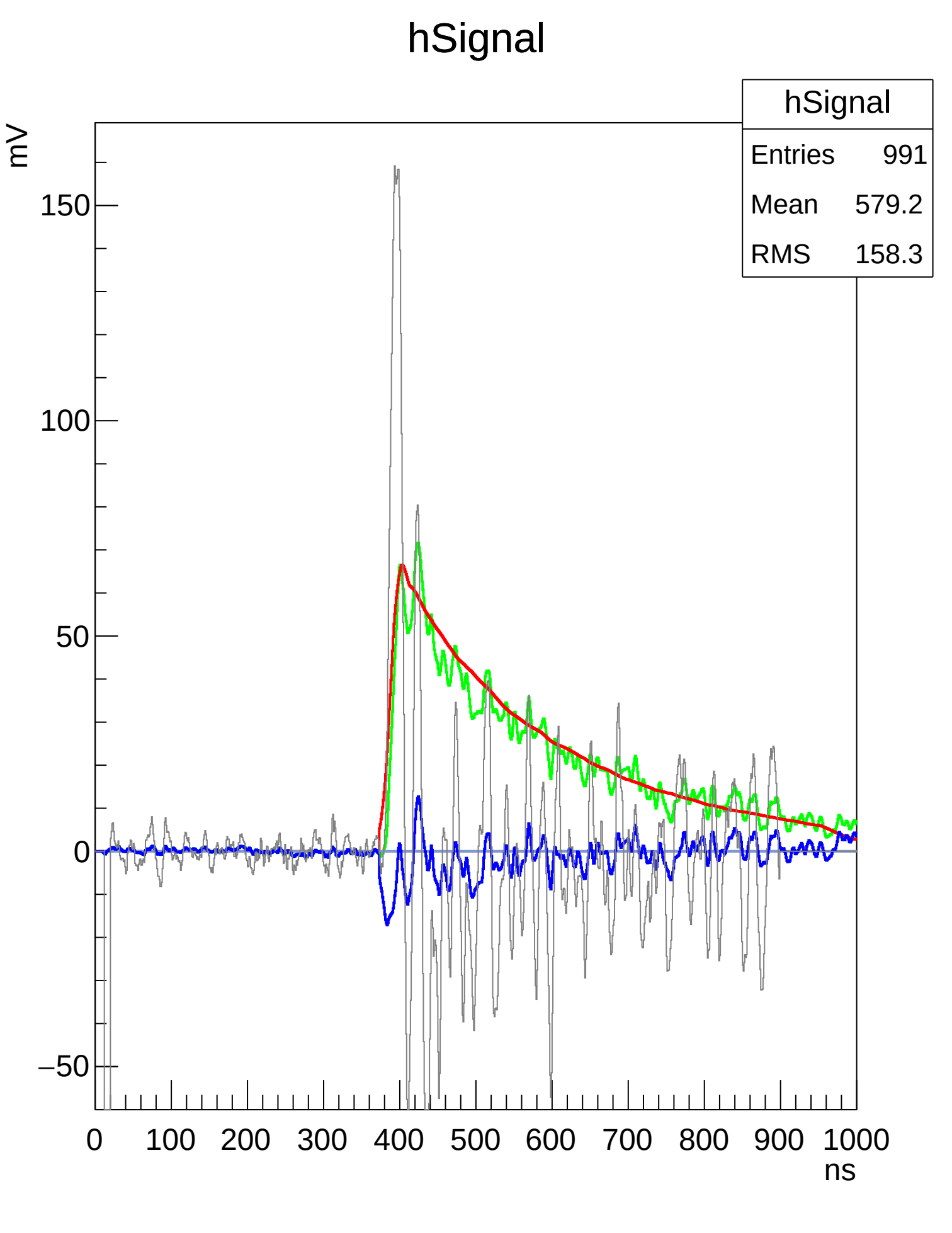

hSignal
hSignal
Entries 991
Mean 593.4
RMS 164.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

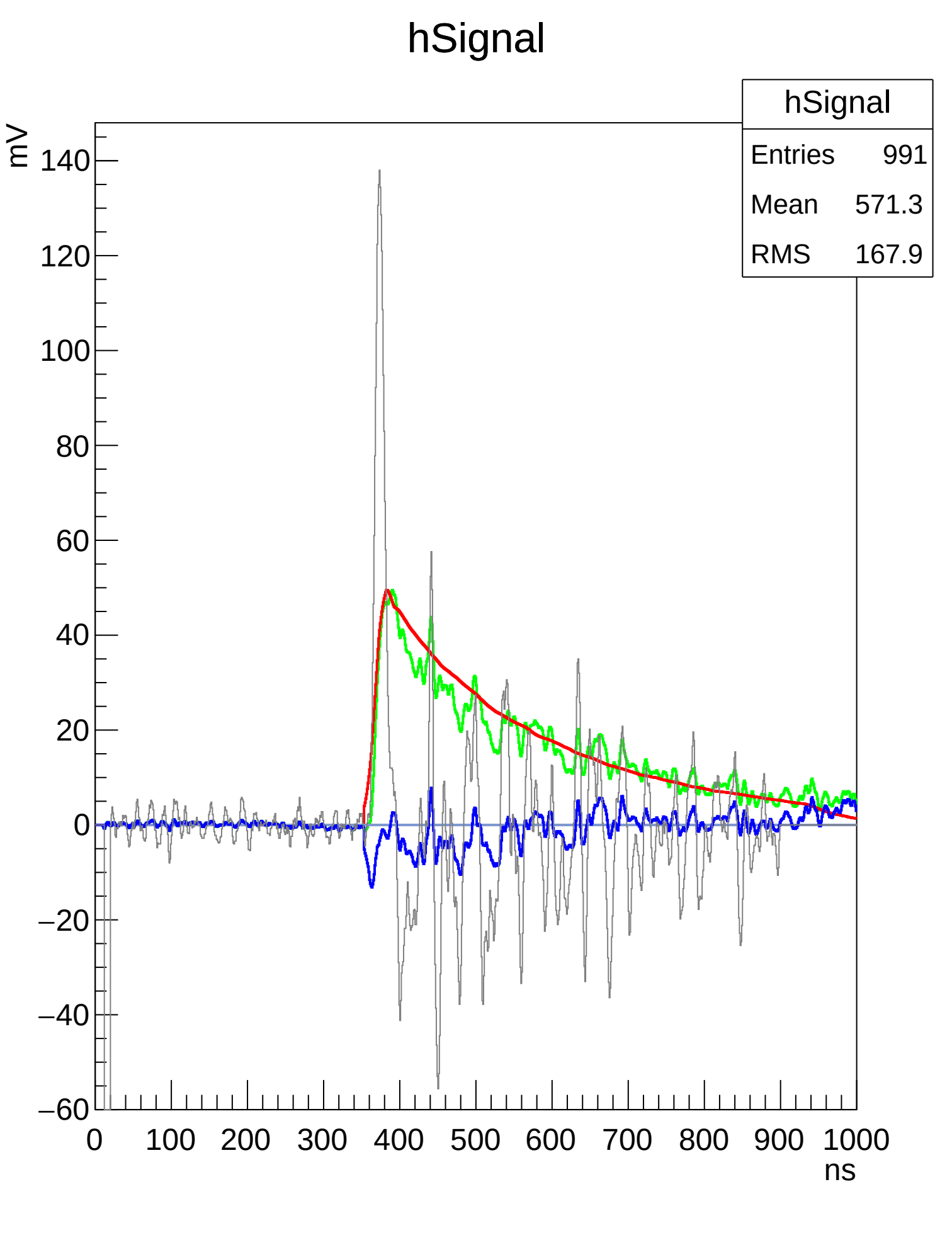

hSignal
hSignal
Entries 991
Mean 586.5
RMS 159.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

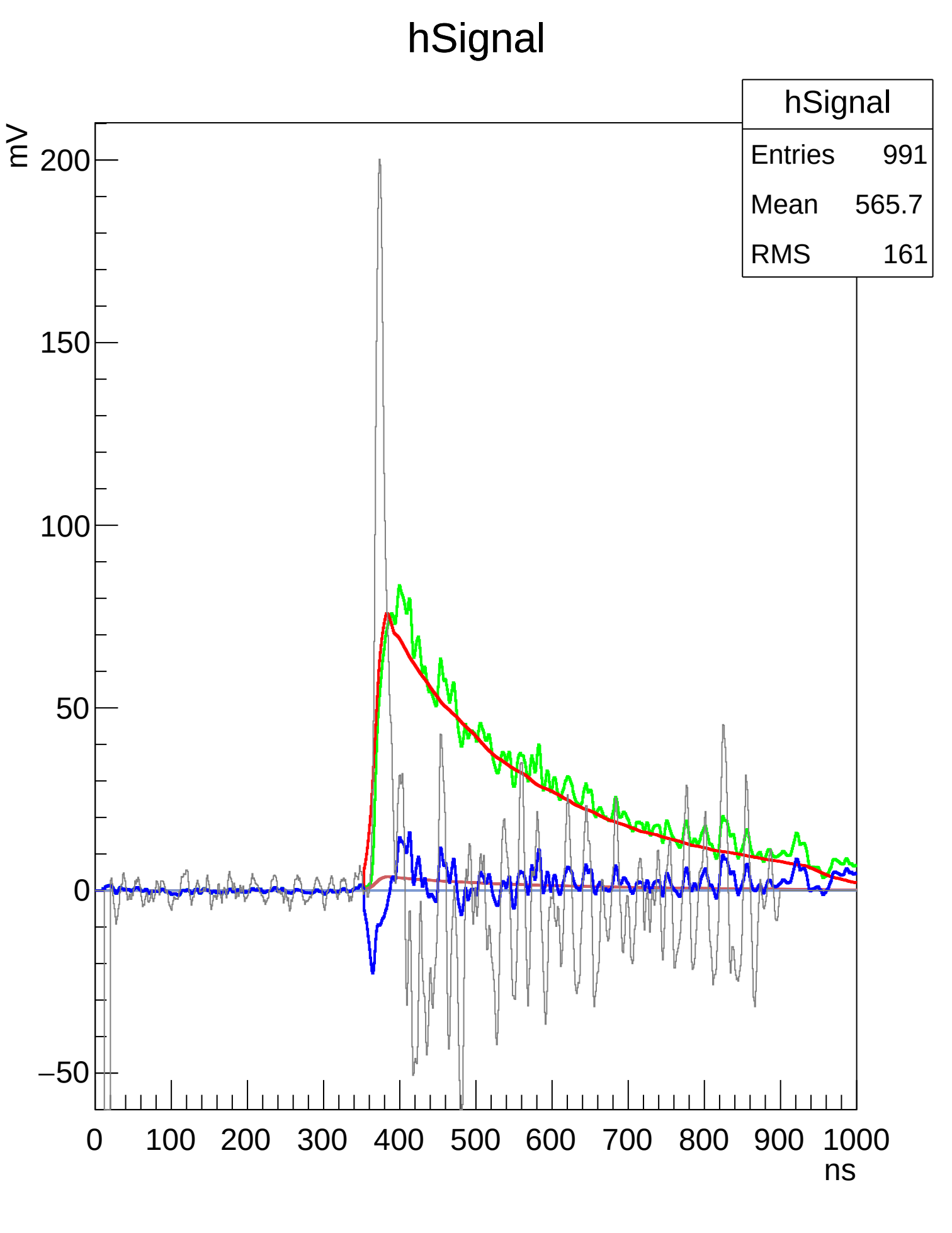

hSignal
hSignal
Entries 991
Mean 570
RMS 152.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

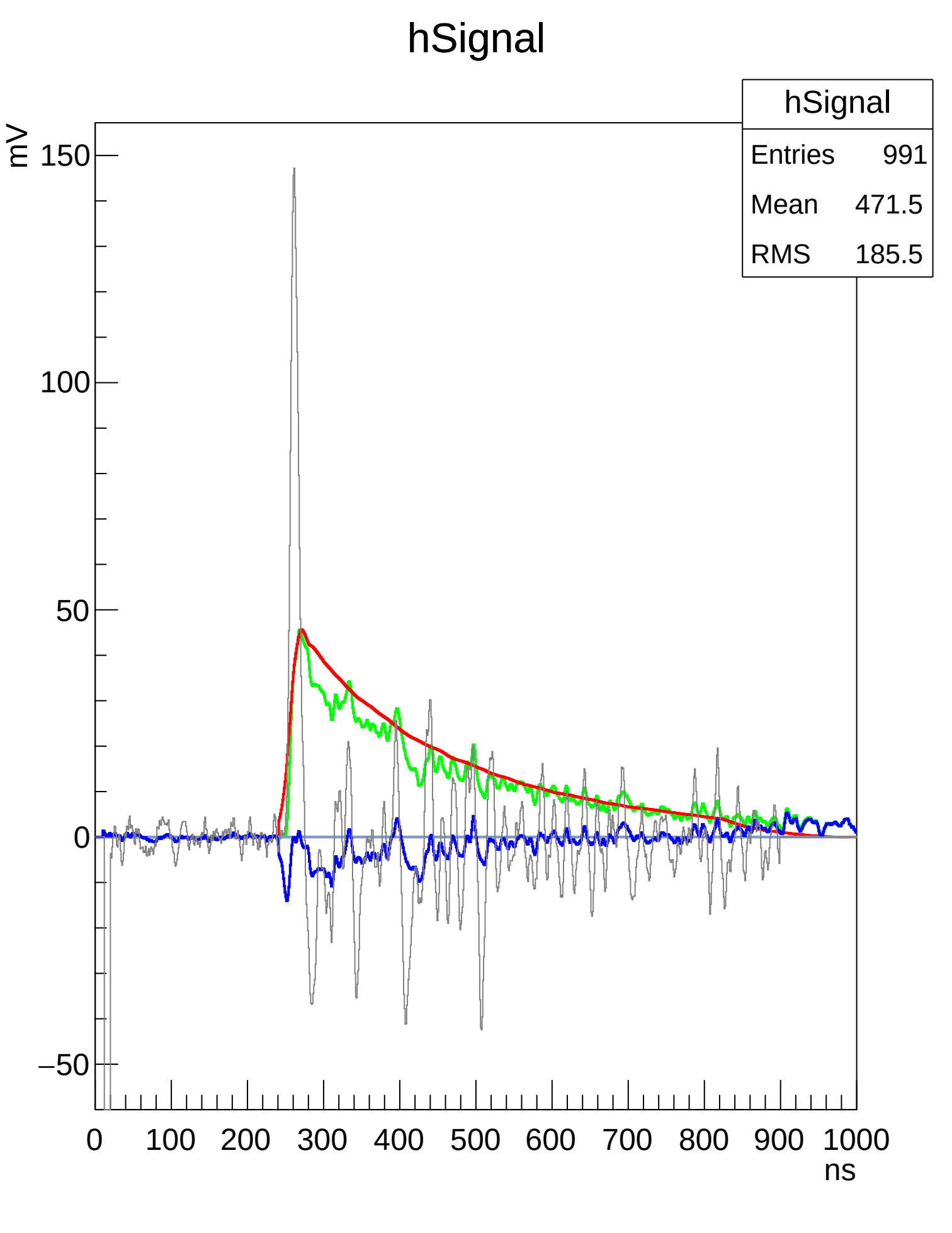

hSignal
hSignal
Entries 991
Mean 574.2
RMS 159
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

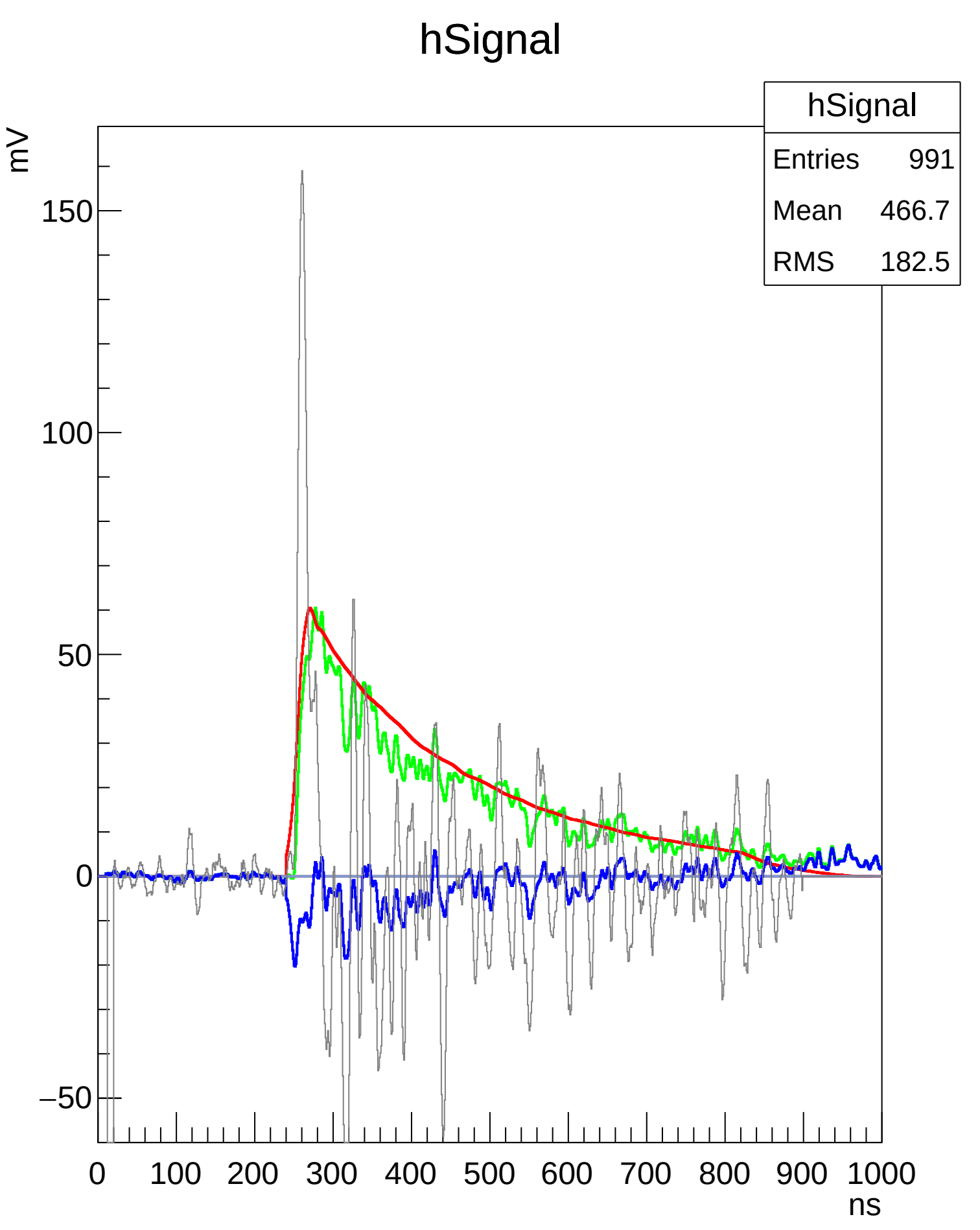

hSignal
hSignal
Entries 991
Mean 516.5
RMS 166.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

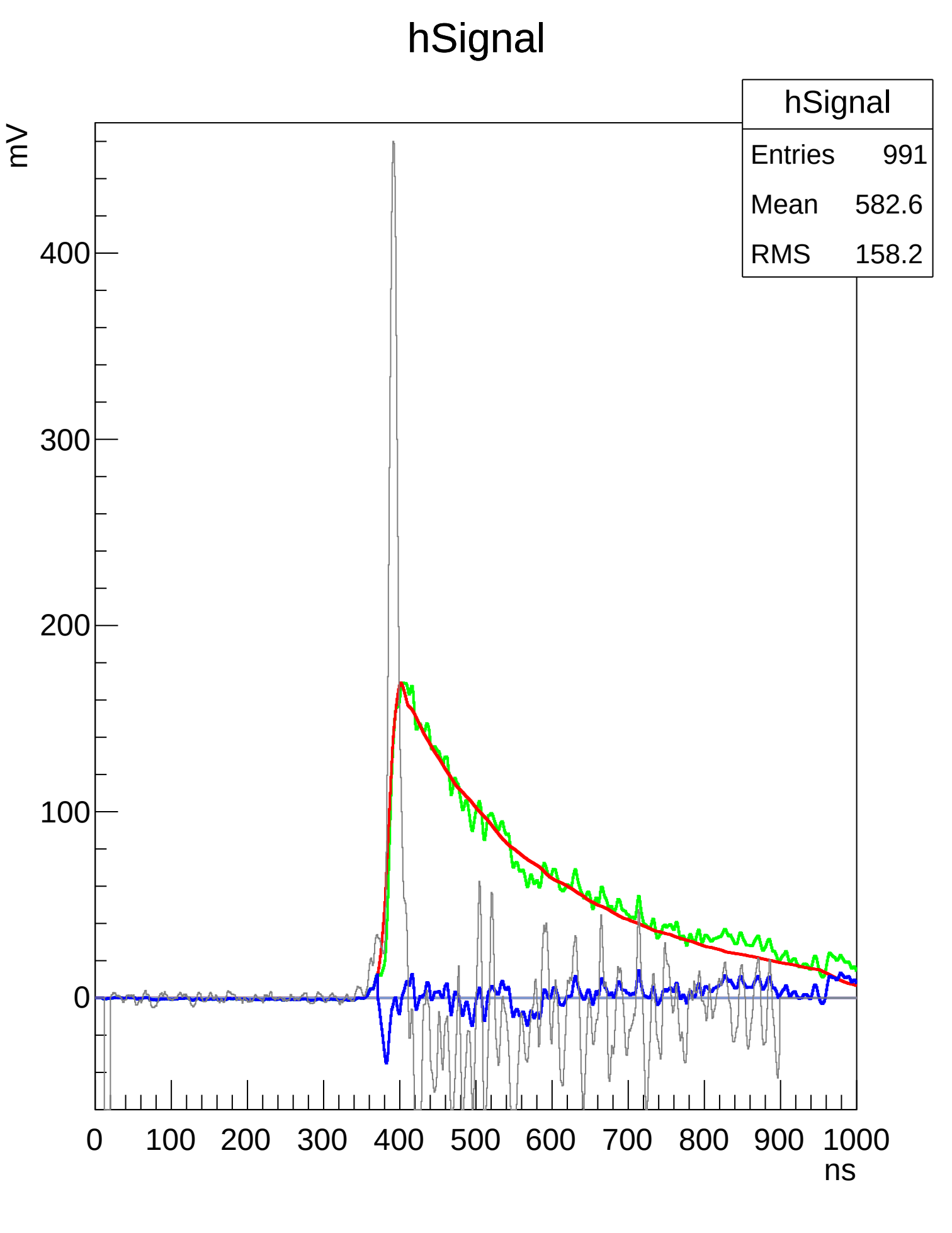

hSignal
hSignal
Entries 991
Mean 579.2
RMS 158.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

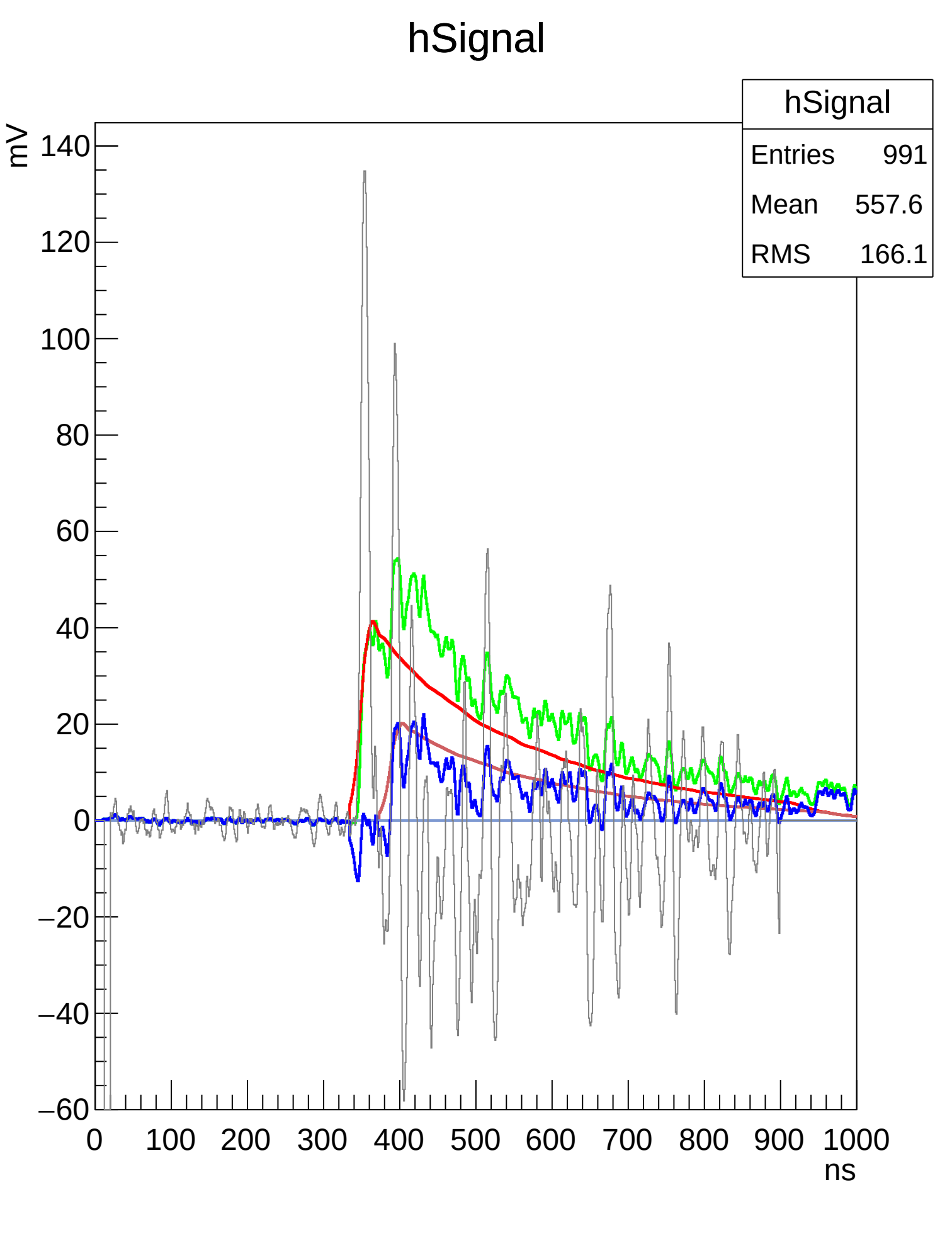

hSignal
hSignal
Entries 991
Mean 571.3
RMS 167.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

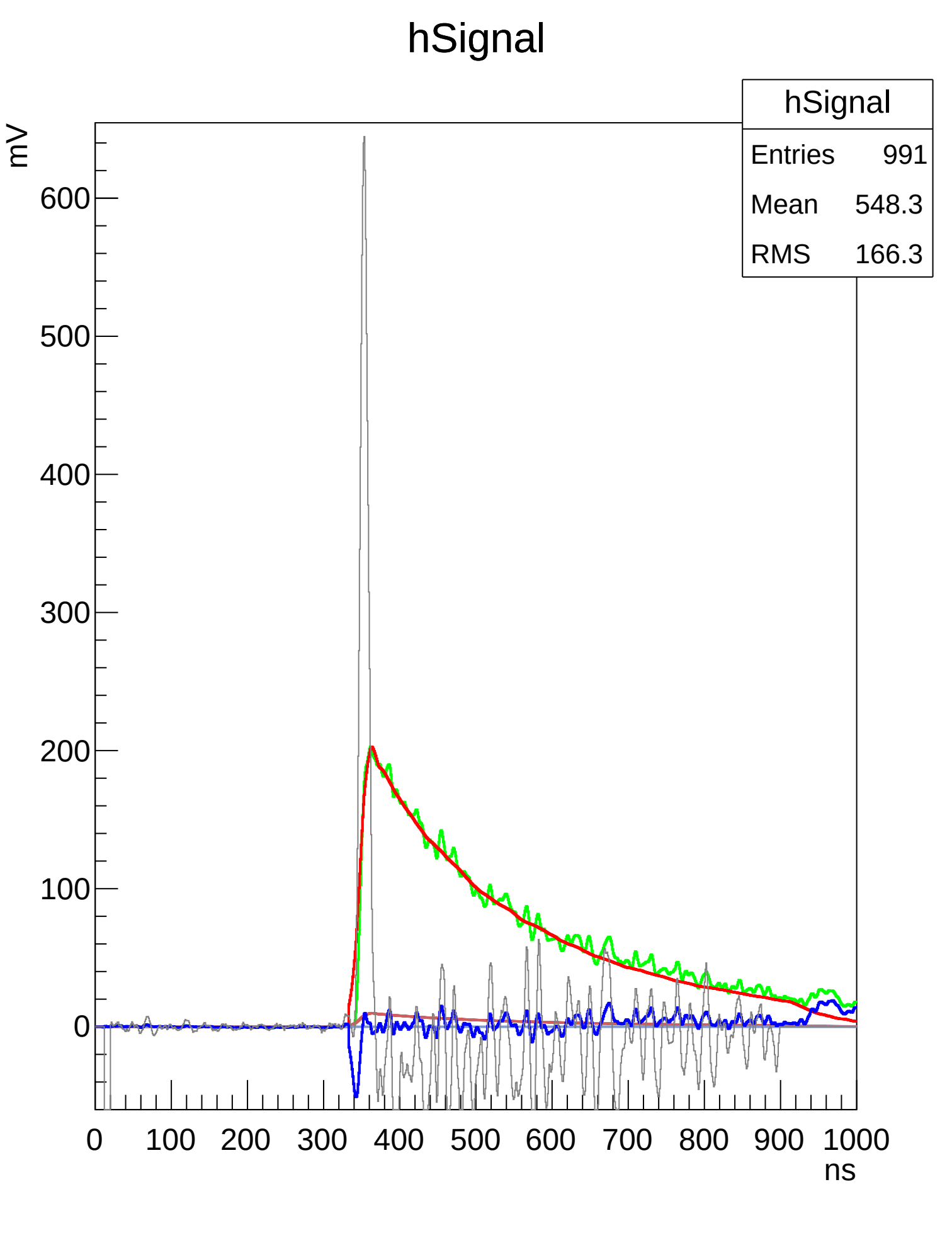

hSignal
hSignal
Entries 991
Mean 565.7
RMS 161
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

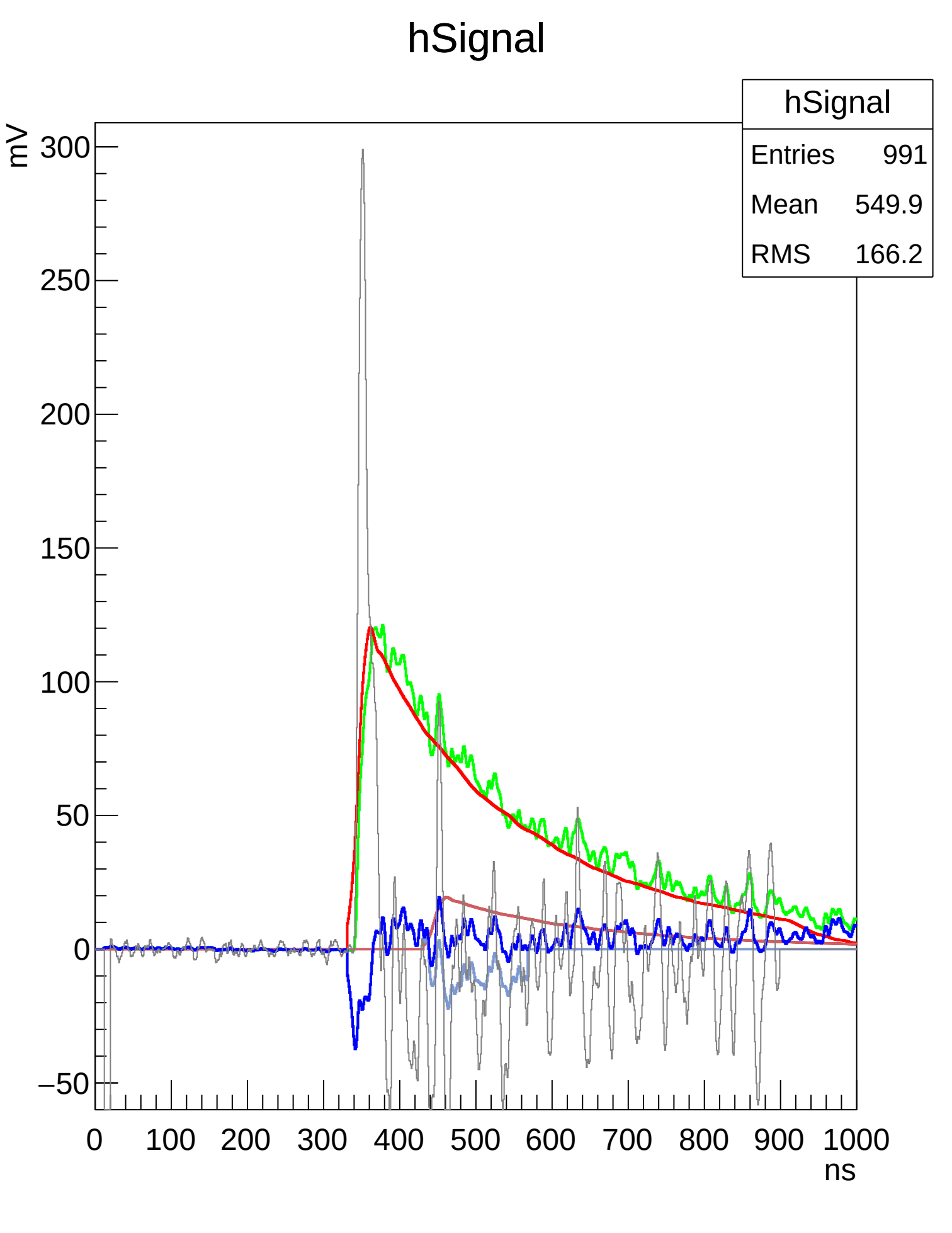

hSignal
hSignal
Entries 991
Mean 471.5
RMS 185.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

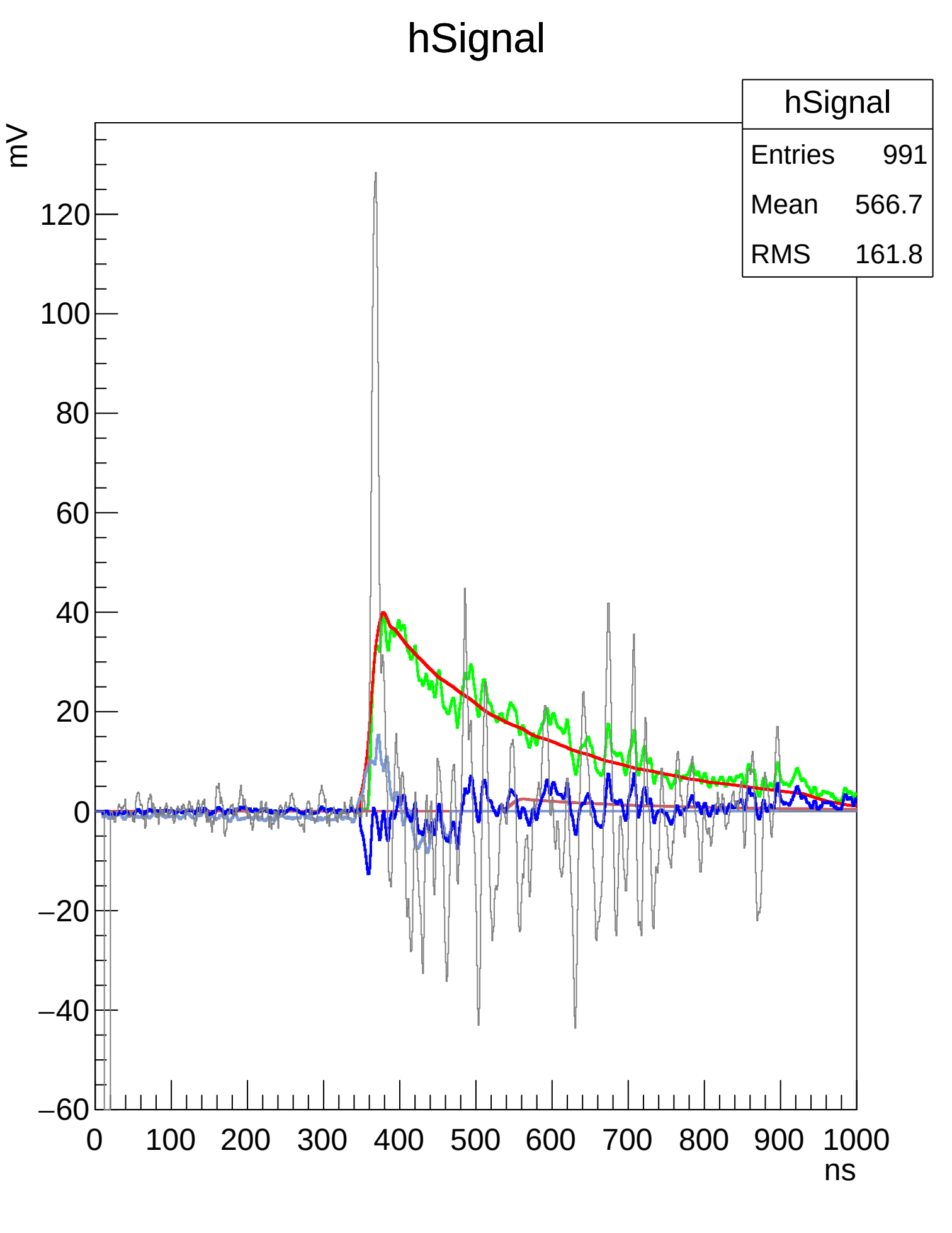

hSignal
hSignal
Entries 991
Mean 466.7
RMS 182.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

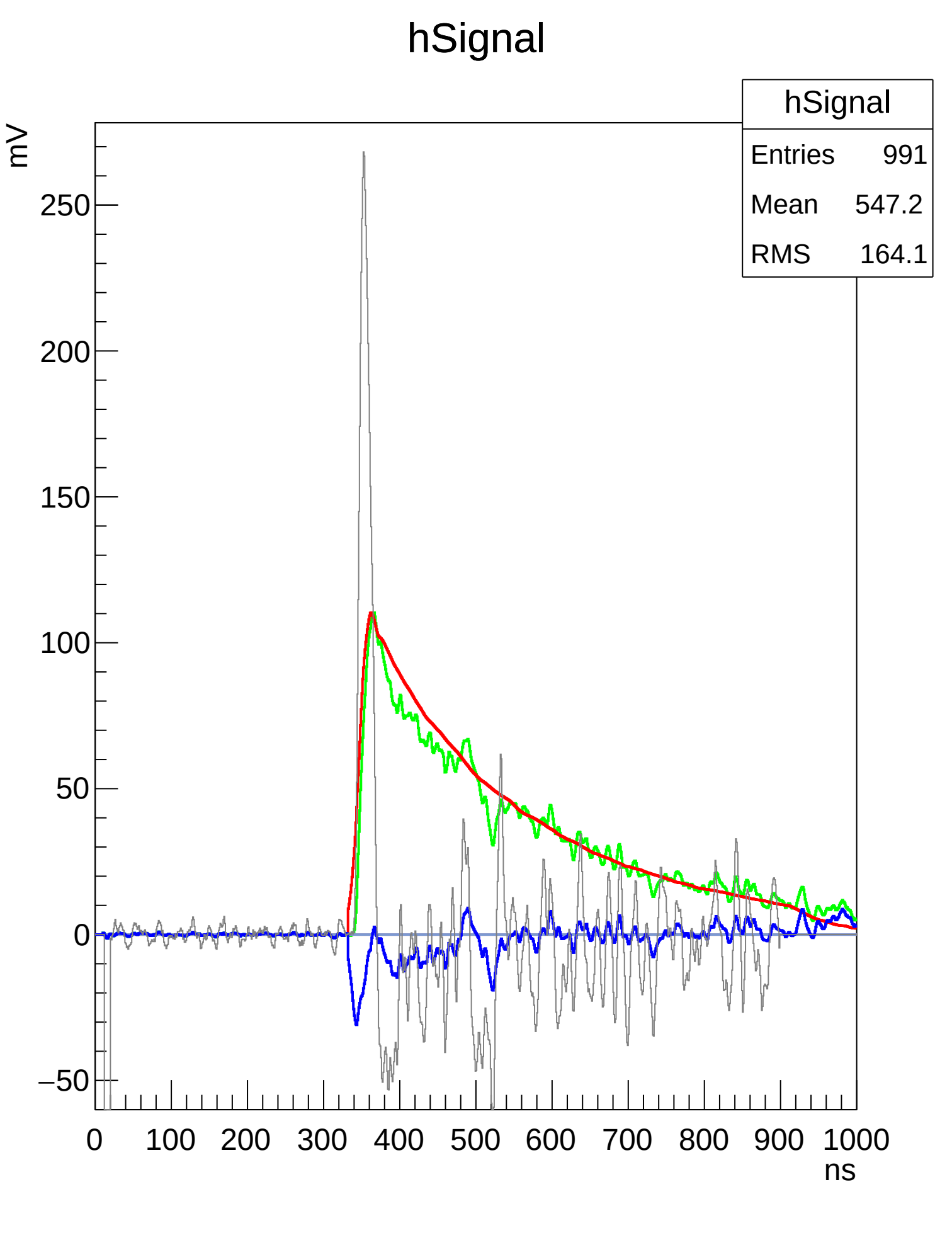

hSignal
hSignal
Entries 991
Mean 582.6
RMS 158.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

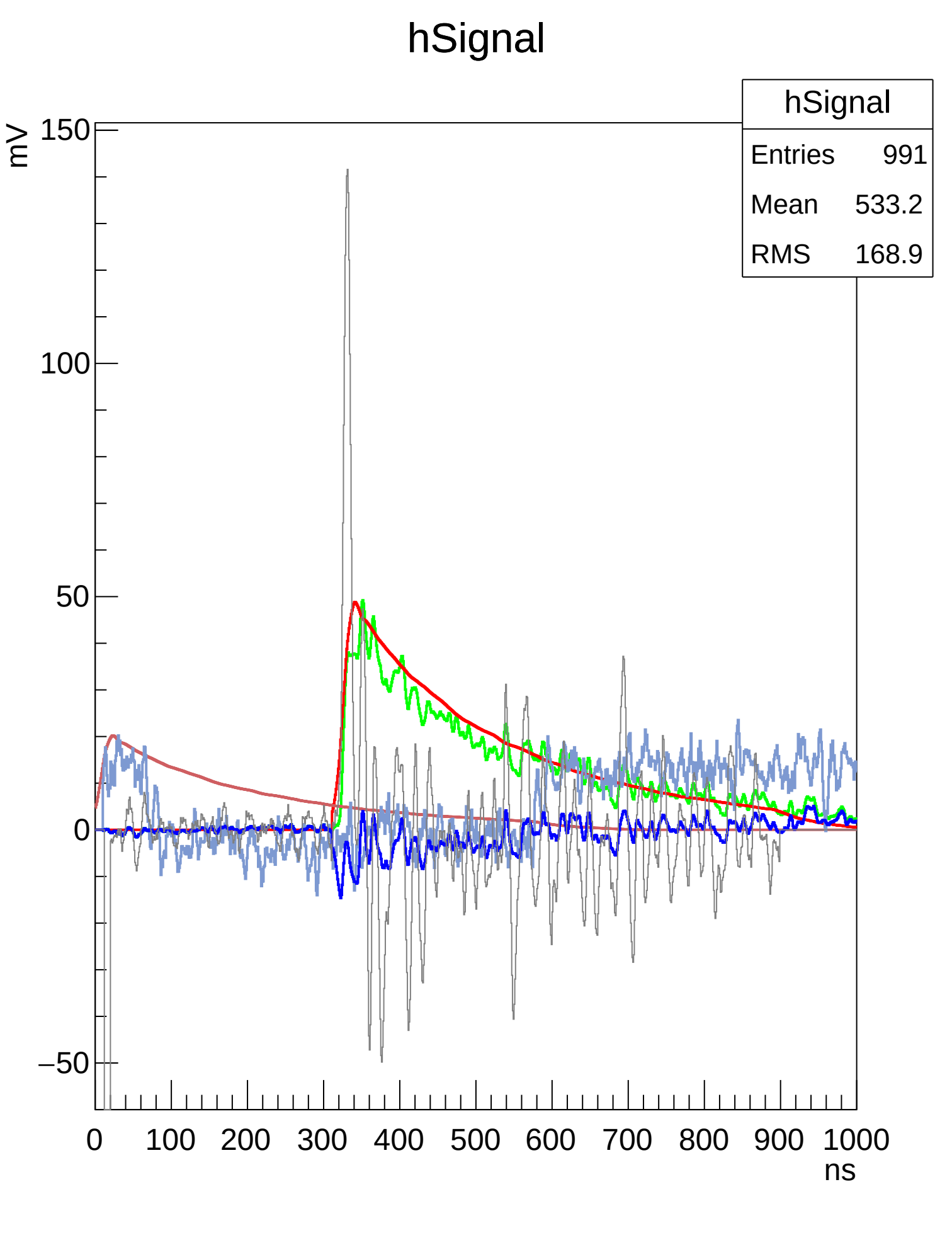

hSignal
hSignal
Entries 991
Mean 557.6
RMS 166.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

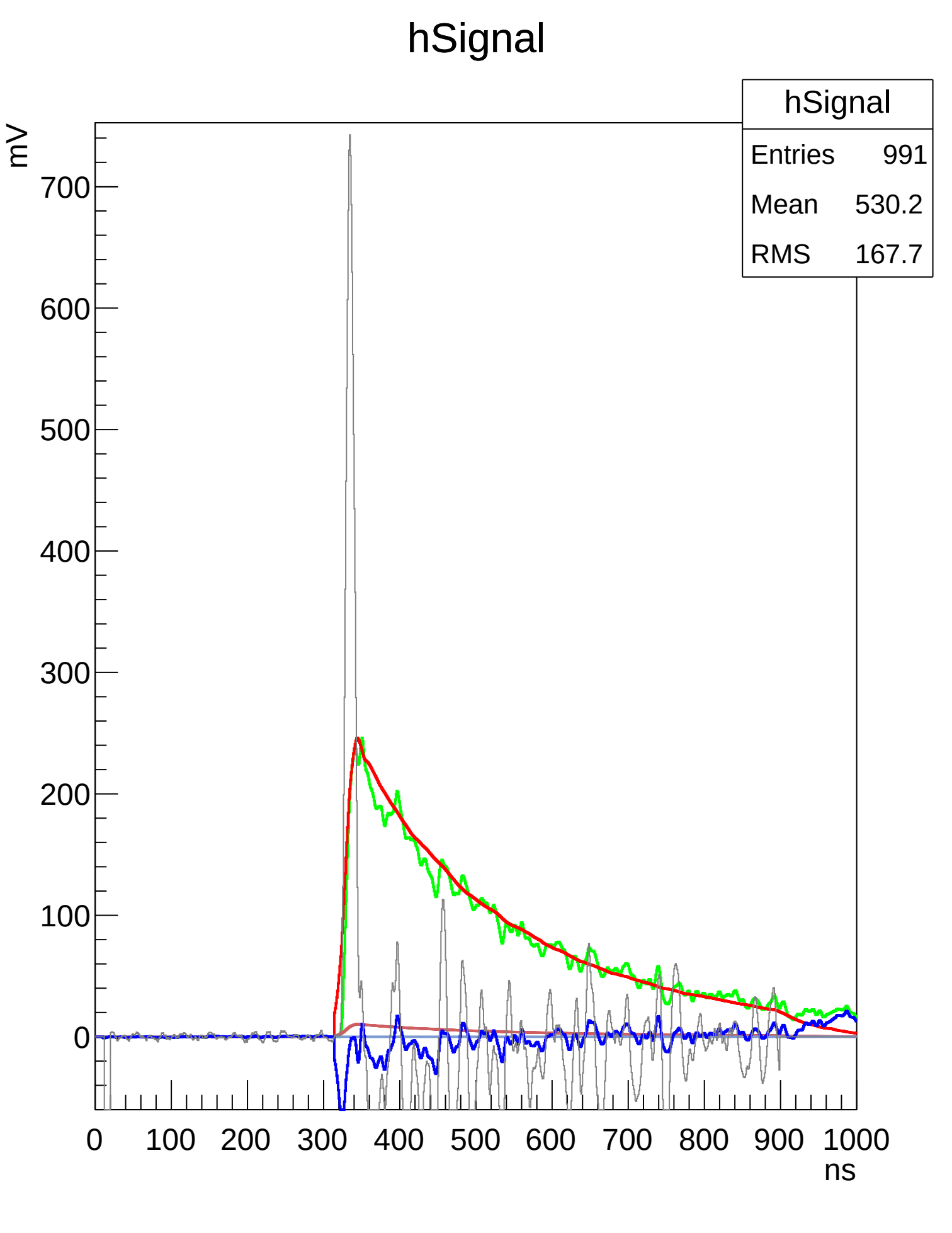

hSignal
hSignal
Entries 991
Mean 548.3
RMS 166.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

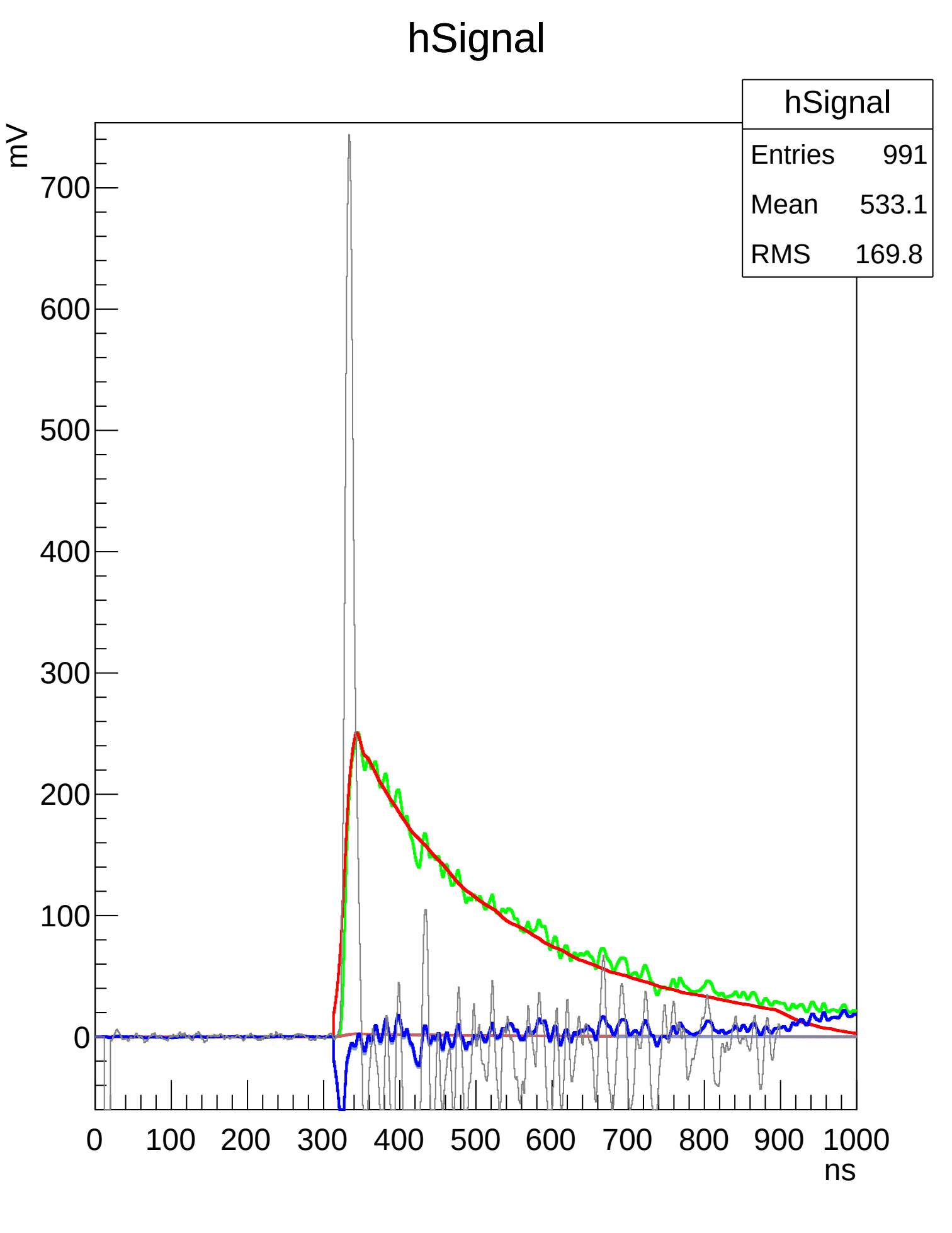

hSignal
hSignal
Entries 991
Mean 549.9
RMS 166.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

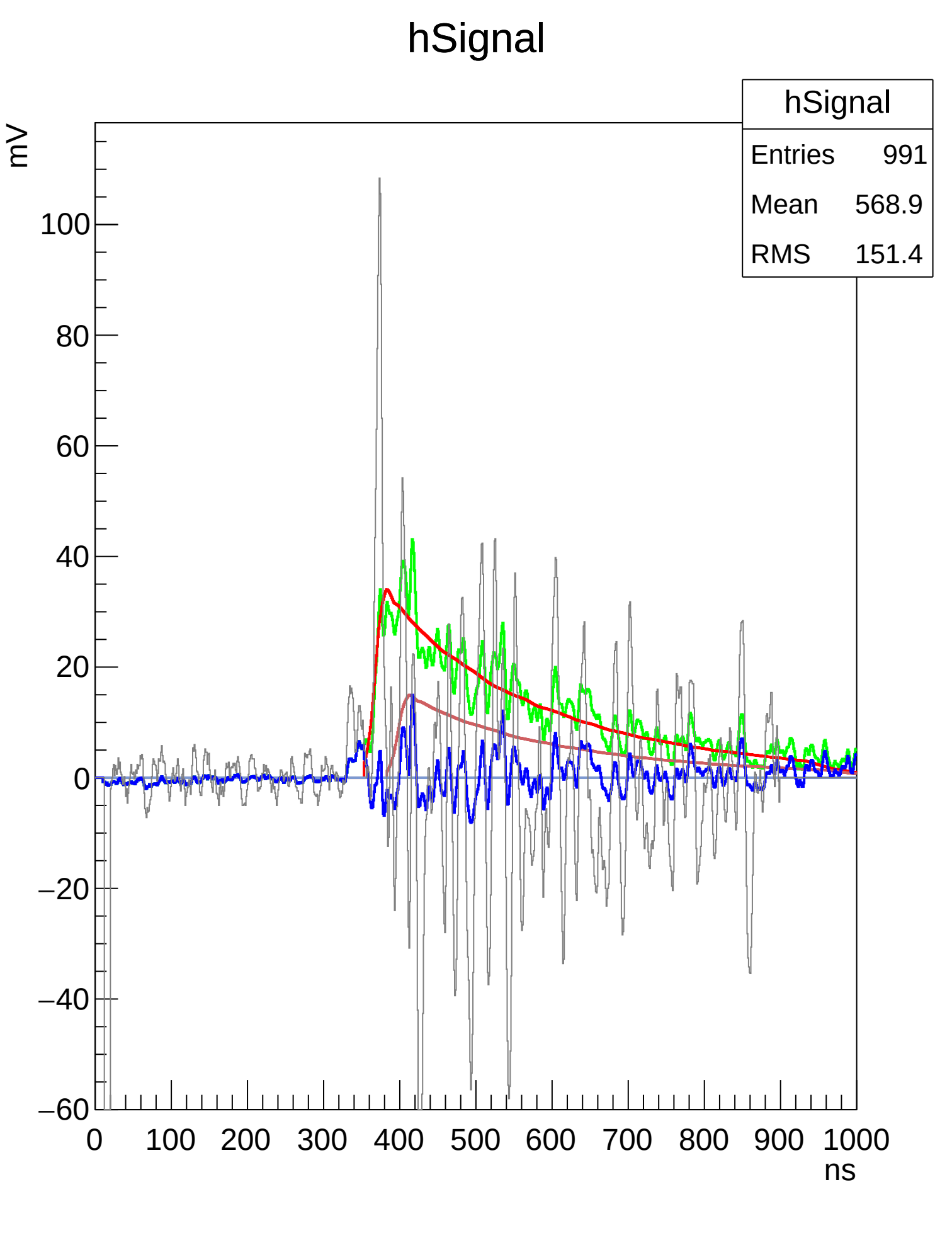

hSignal
hSignal
Entries 991
Mean 566.7
RMS 161.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

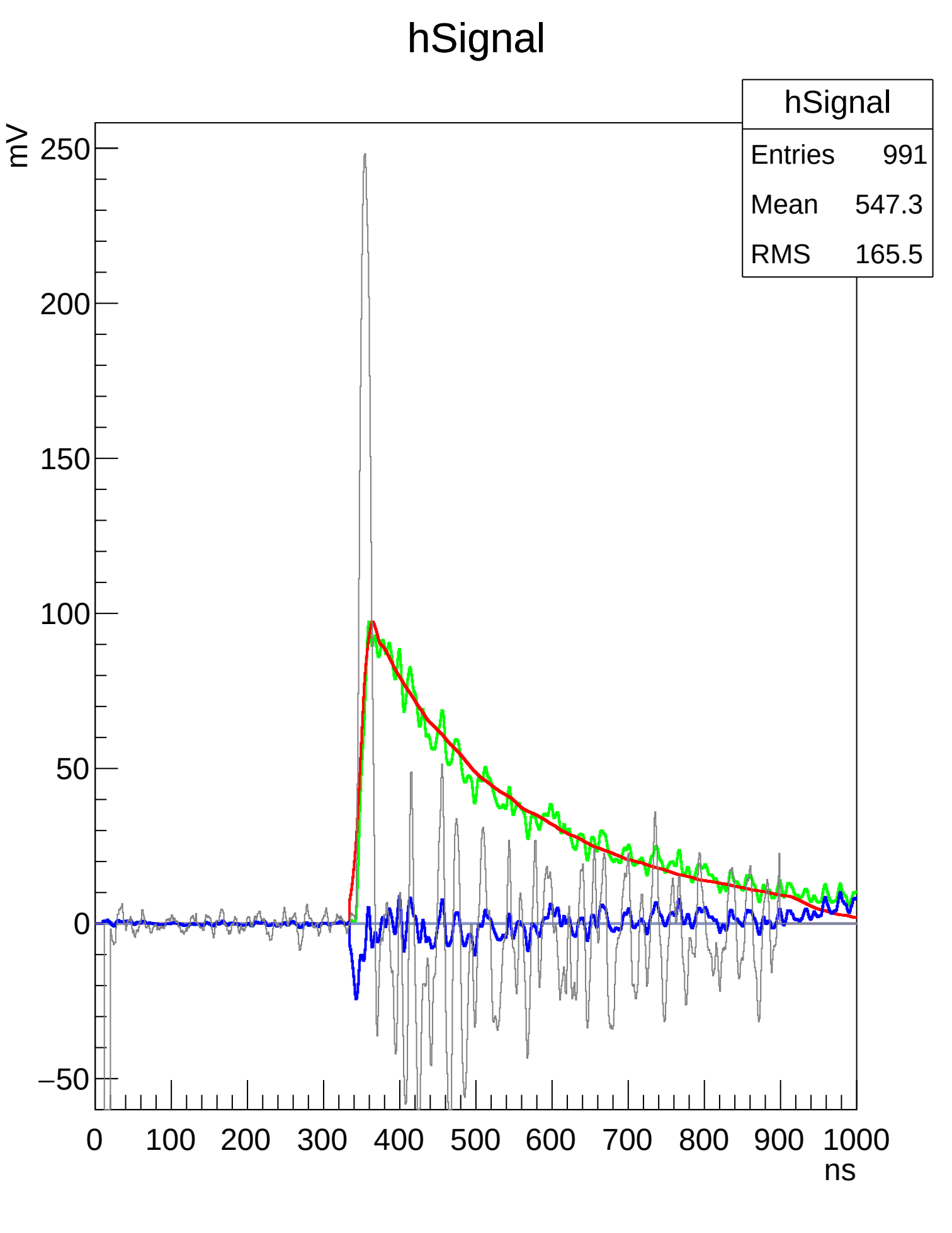

hSignal
hSignal
Entries 991
Mean 547.2
RMS 164.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

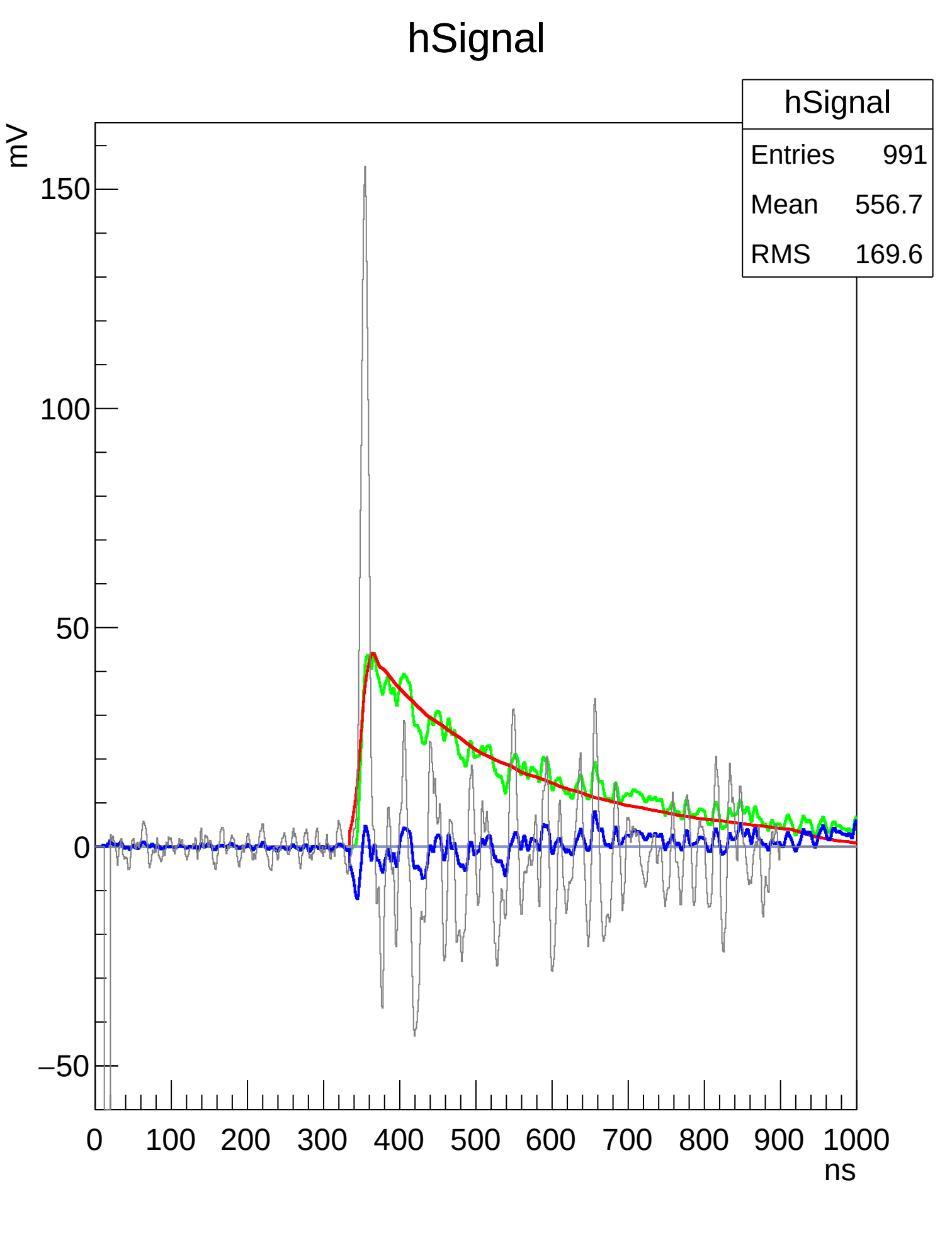

hSignal
hSignal
Entries 991
Mean 533.2
RMS 168.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

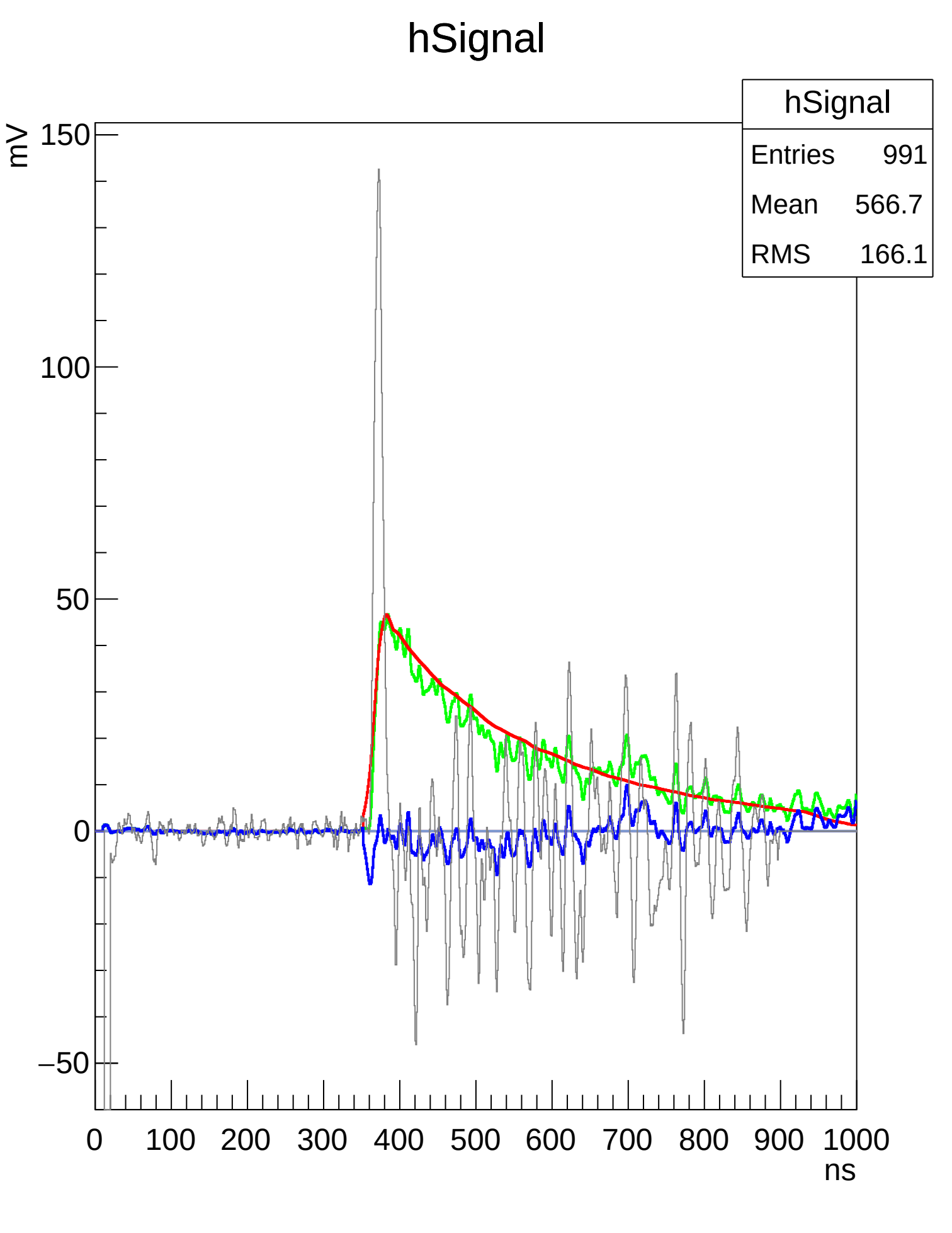

hSignal
hSignal
Entries 991
Mean 530.2
RMS 167.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

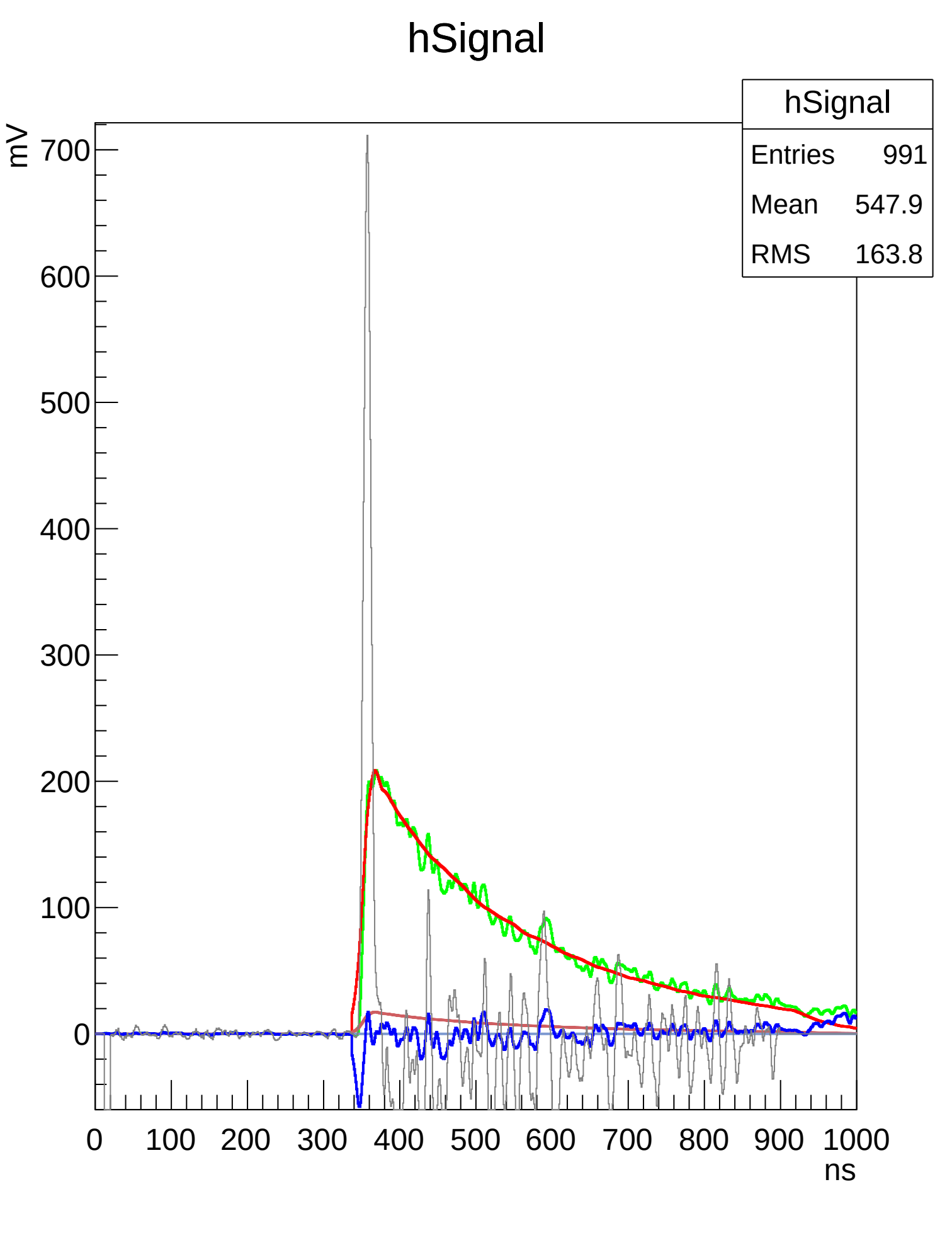

hSignal
hSignal
Entries 991
Mean 533.1
RMS 169.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

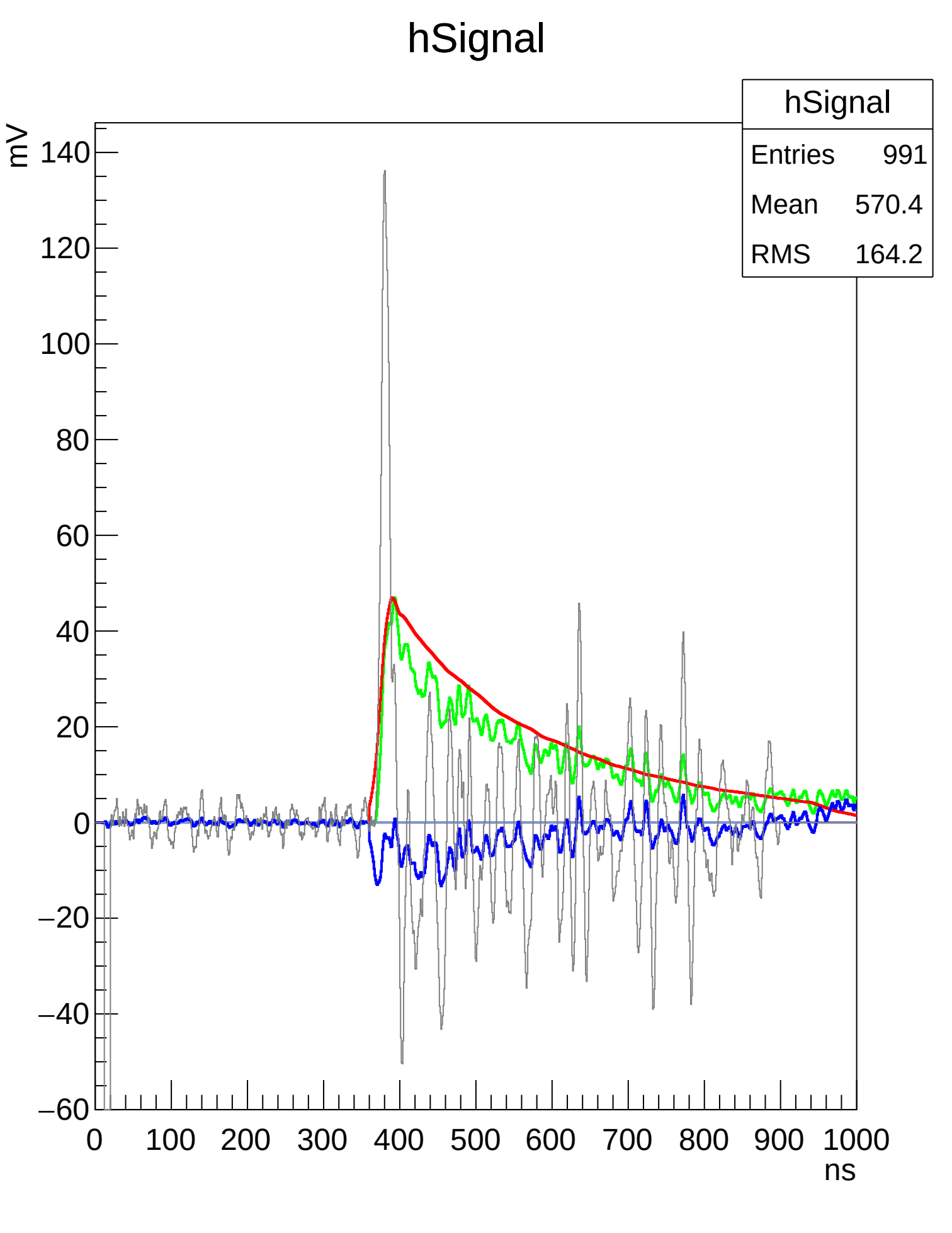

hSignal
hSignal
Entries 991
Mean 568.9
RMS 151.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

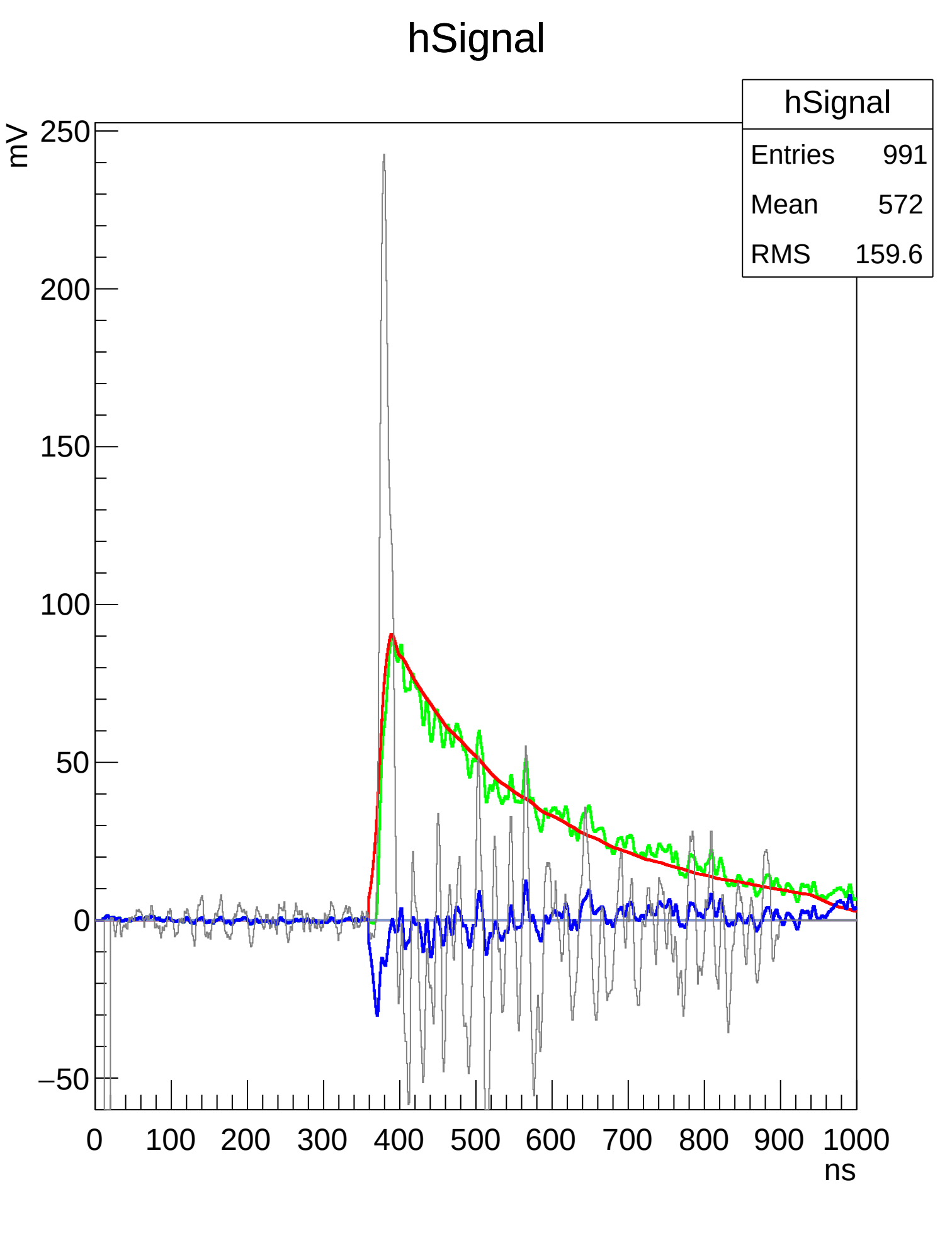

hSignal
hSignal
Entries 991
Mean 547.3
RMS 165.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

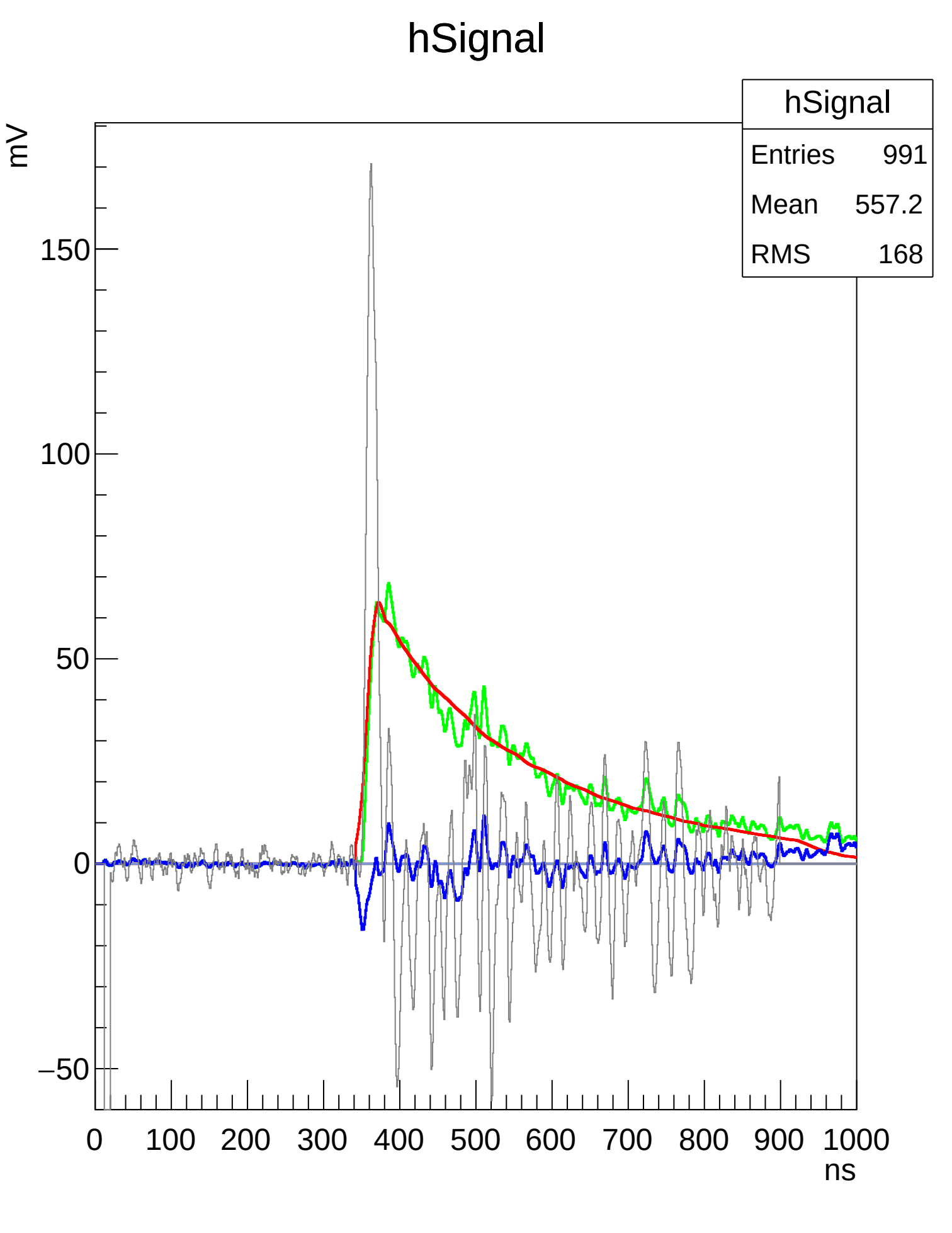

hSignal
hSignal
Entries 991
Mean 556.7
RMS 169.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

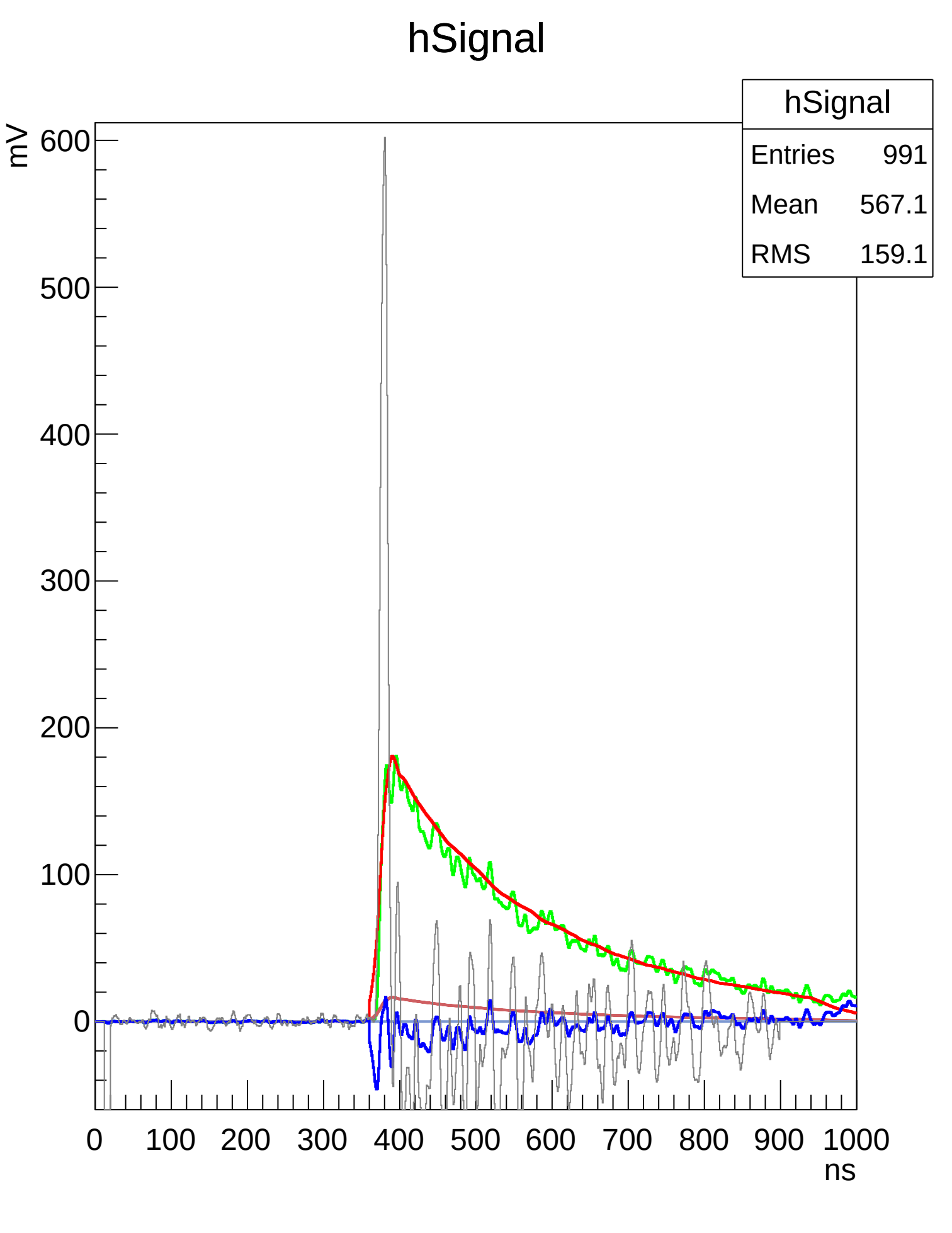

hSignal
hSignal
Entries 991
Mean 566.7
RMS 166.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

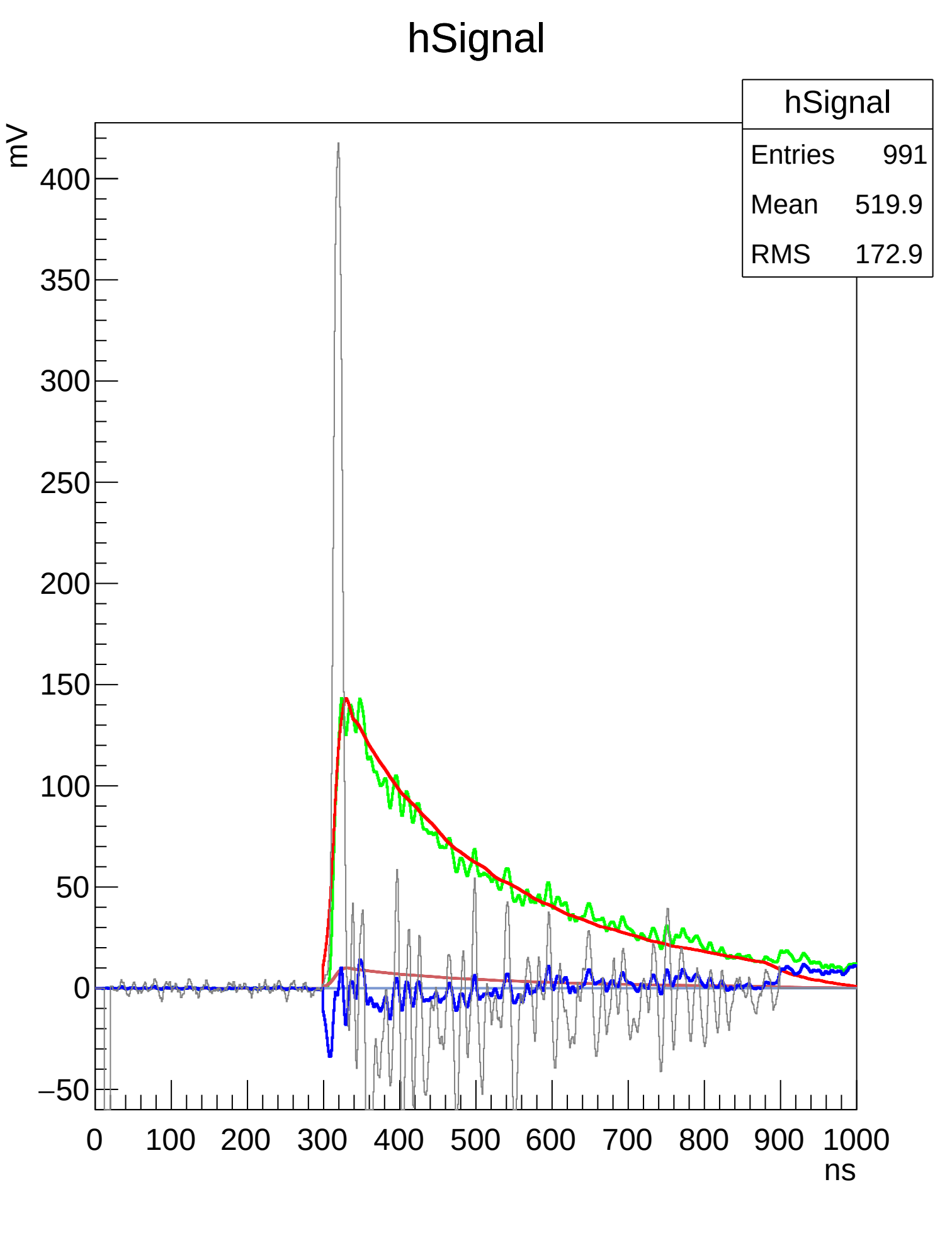

hSignal
hSignal
Entries 991
Mean 547.9
RMS 163.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

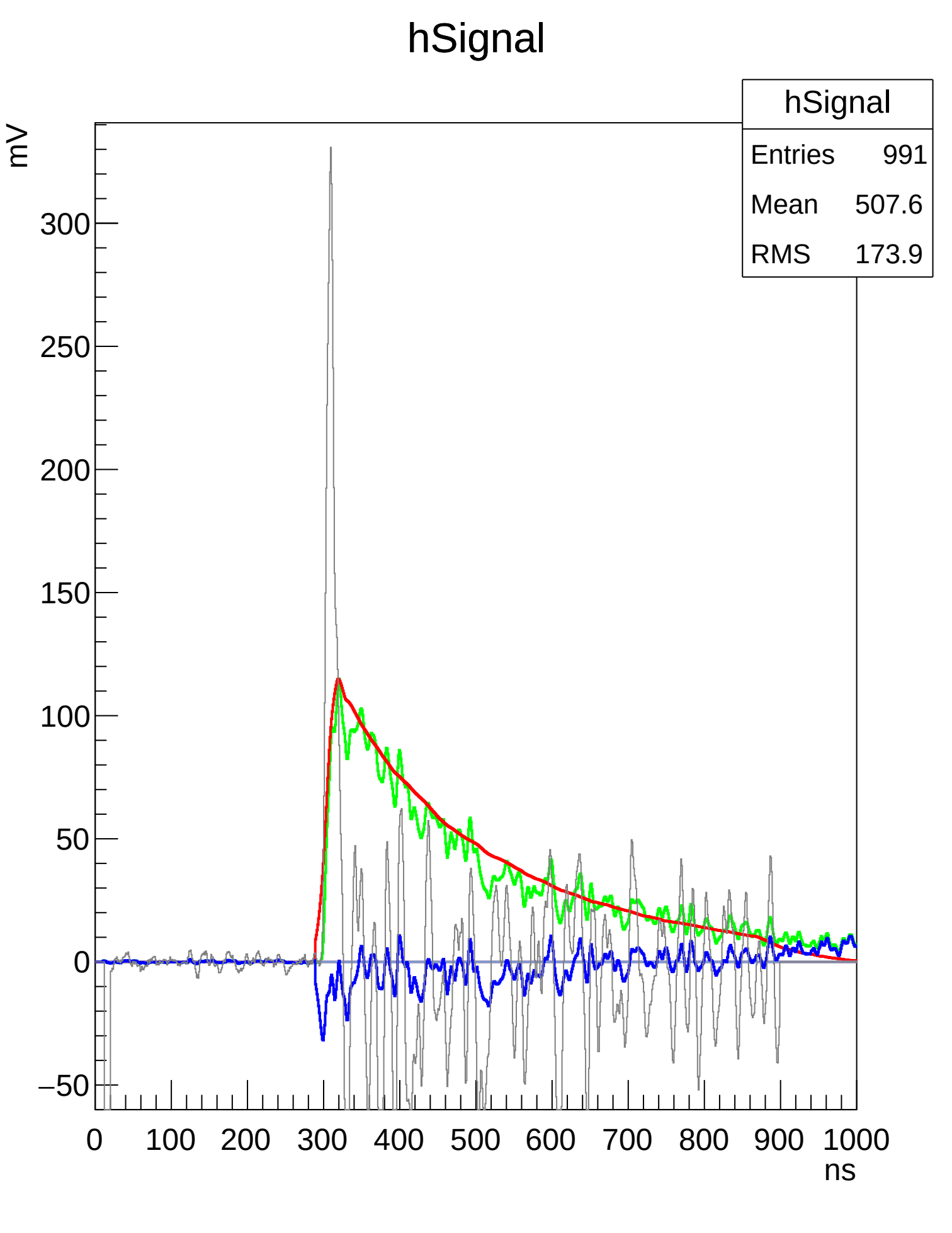

hSignal
hSignal
Entries 991
Mean 570.4
RMS 164.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

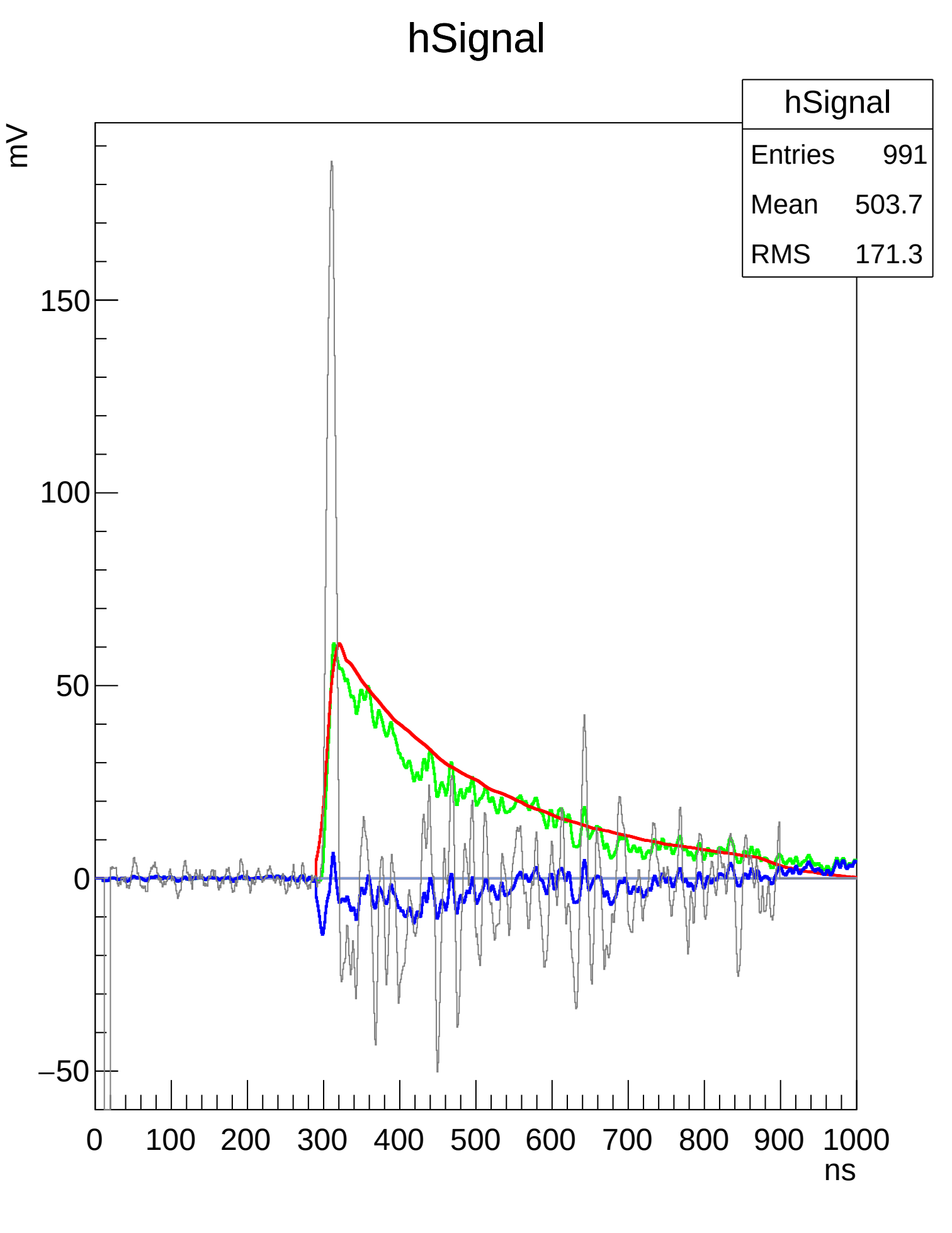

hSignal
hSignal
Entries 991
Mean 572
RMS 159.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

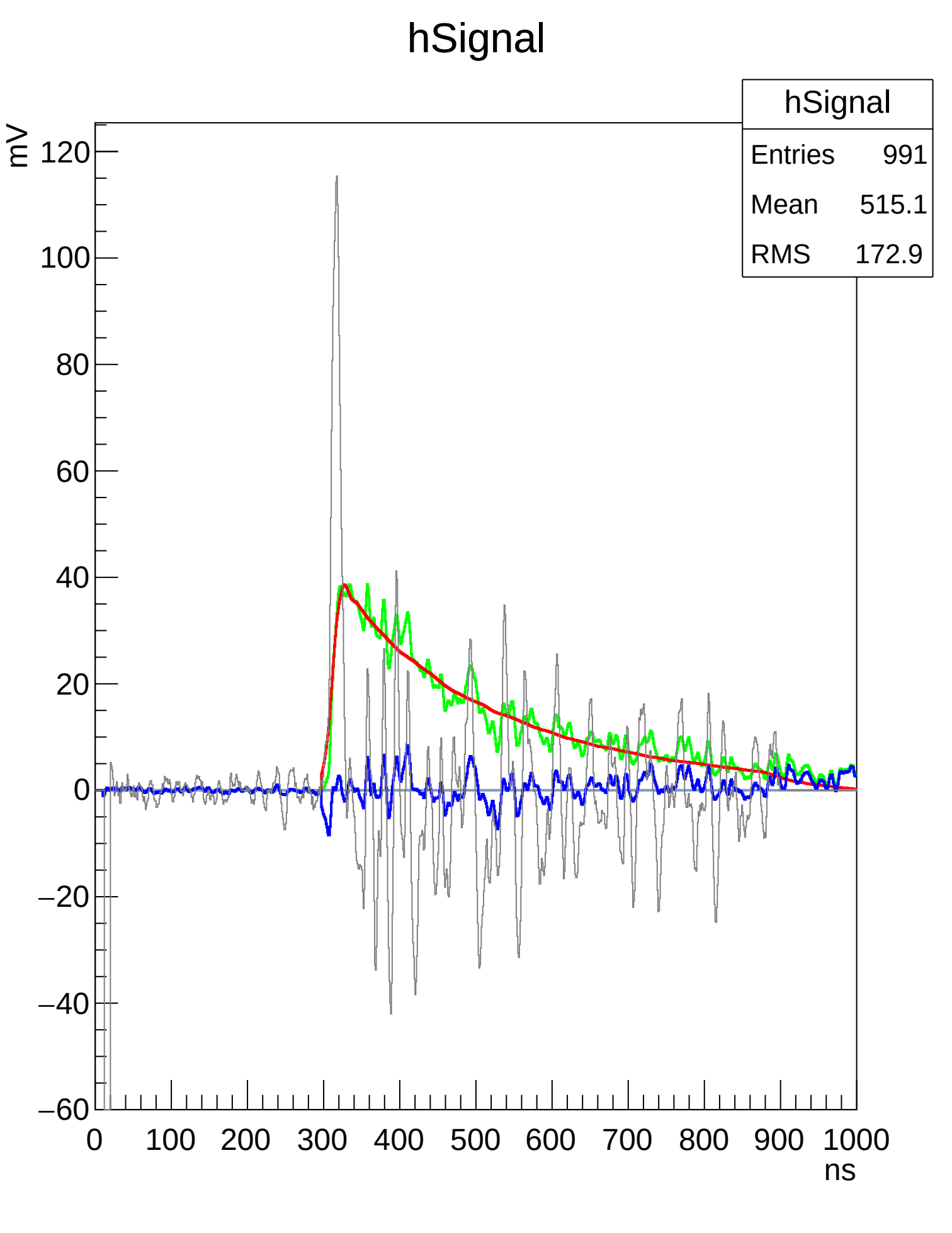

hSignal
hSignal
Entries 991
Mean 557.2
RMS 168
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

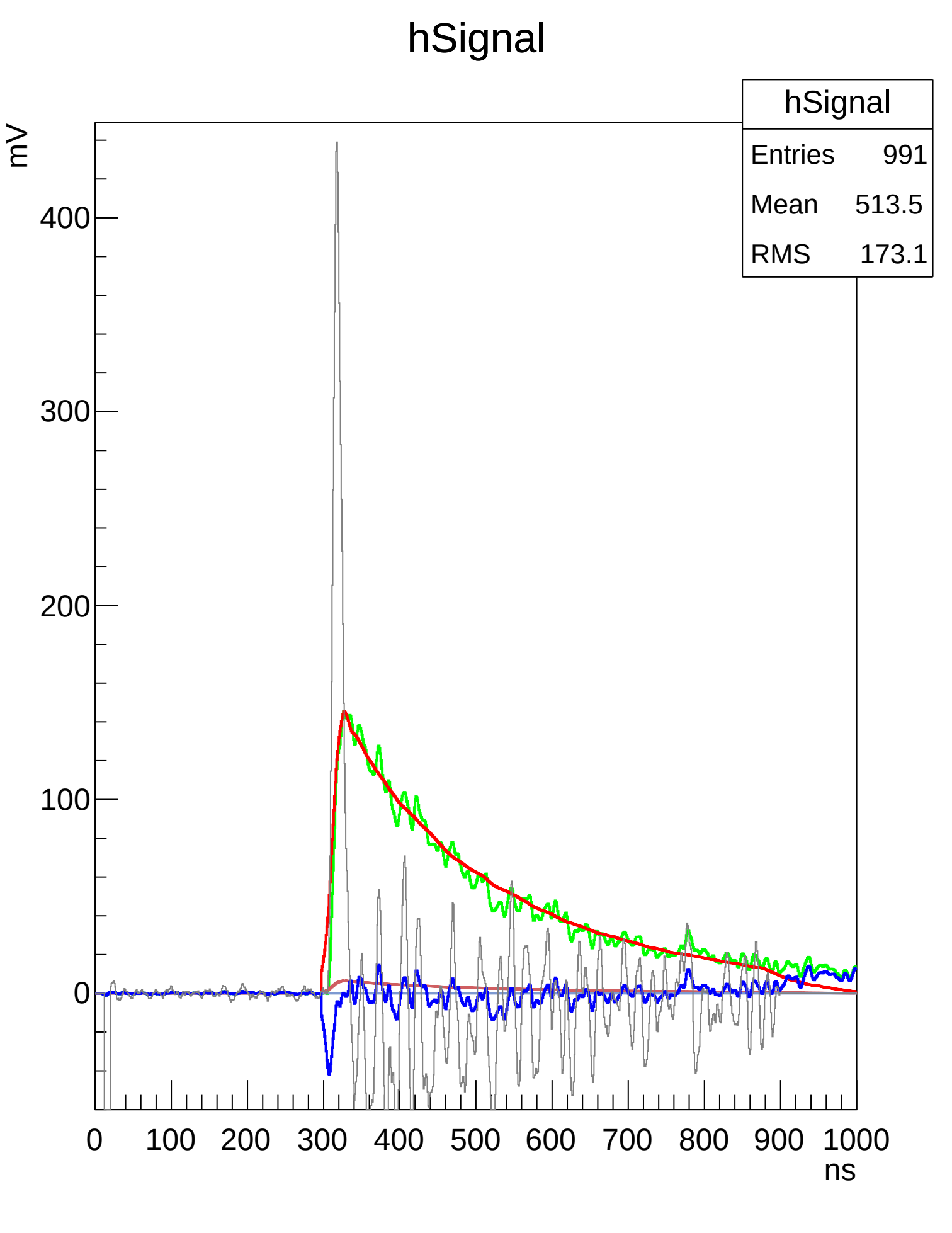

hSignal
hSignal
Entries 991
Mean 567.1
RMS 159.1
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

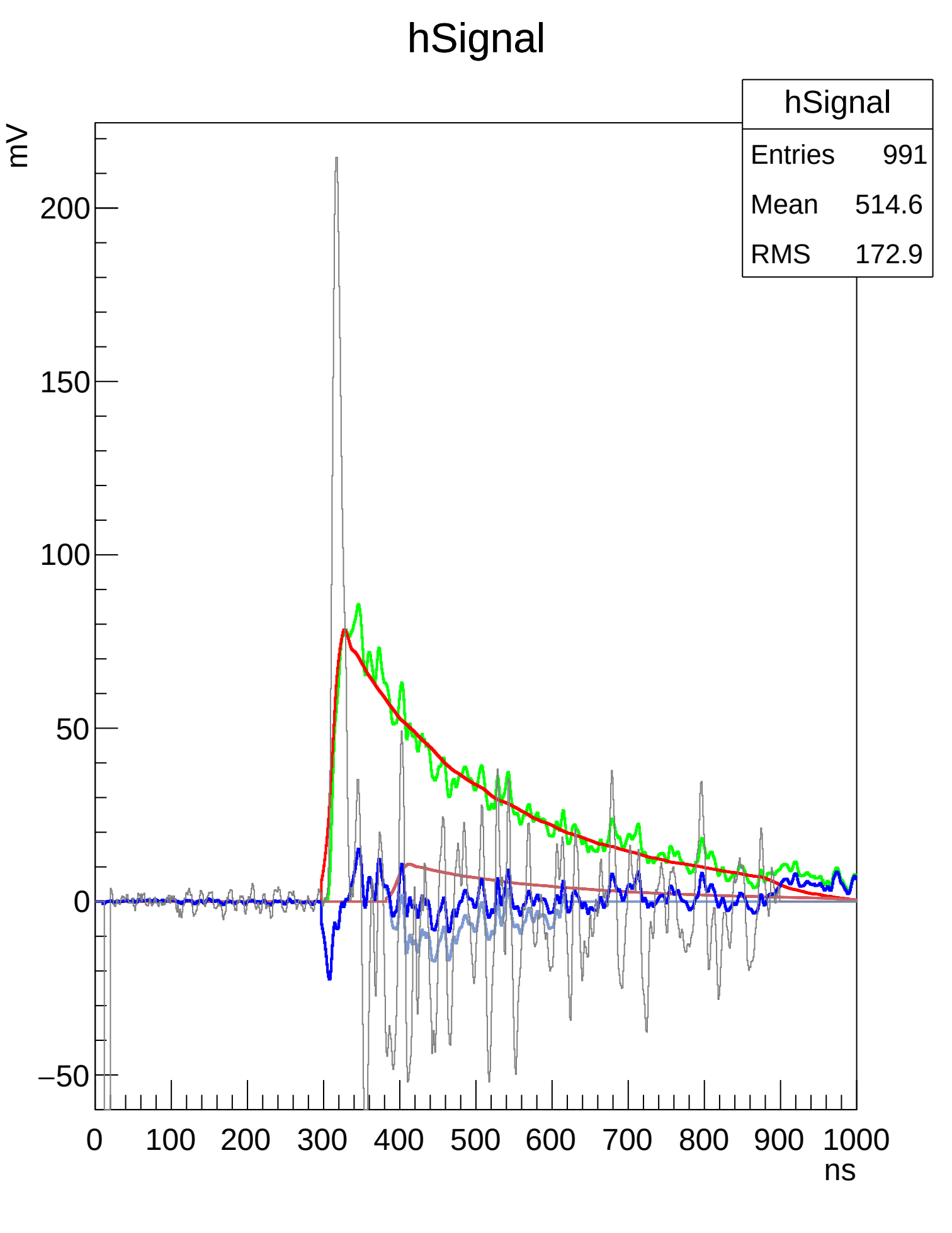

hSignal
hSignal
Entries 991
Mean 519.9
RMS 172.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

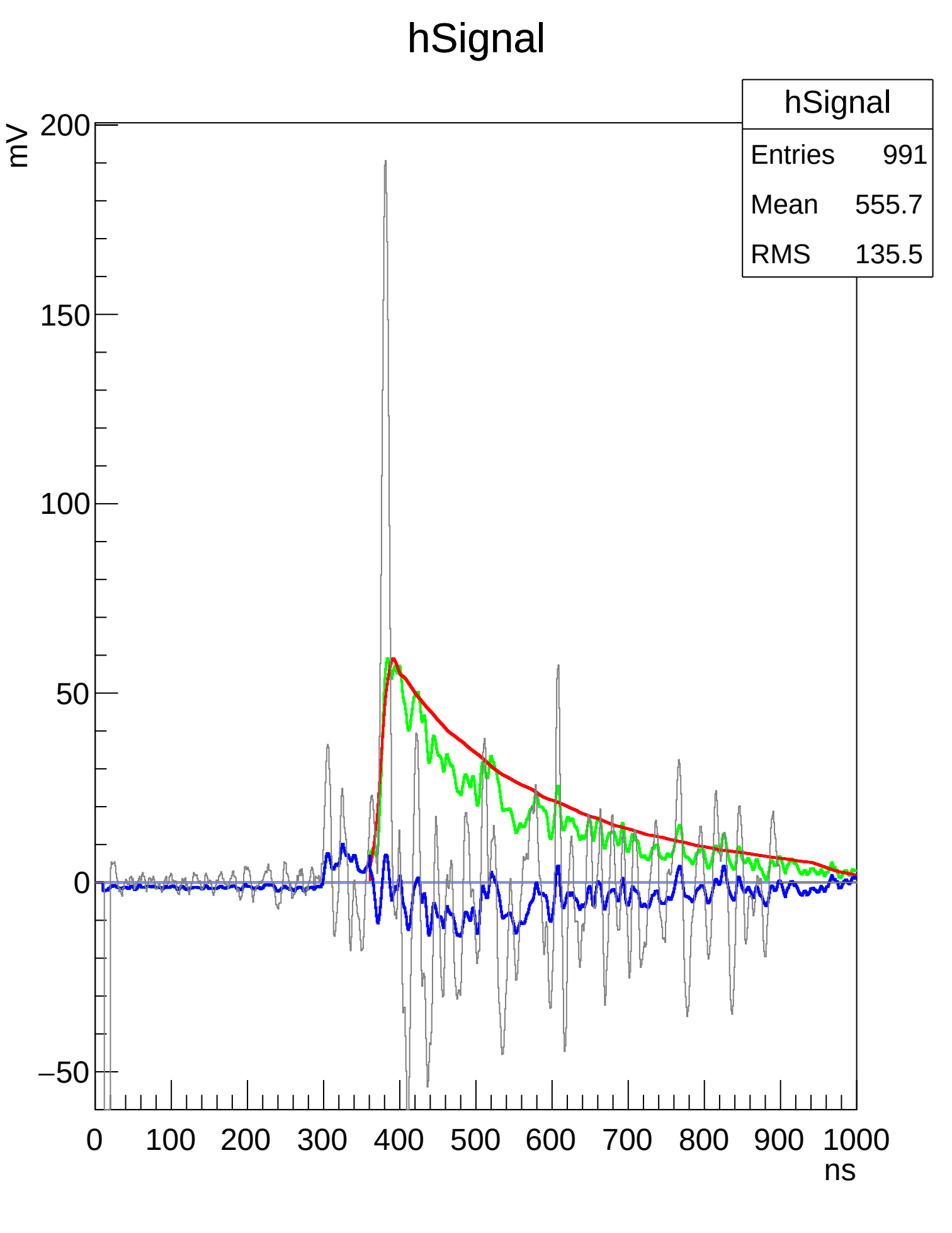

hSignal
hSignal
Entries 991
Mean 507.6
RMS 173.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

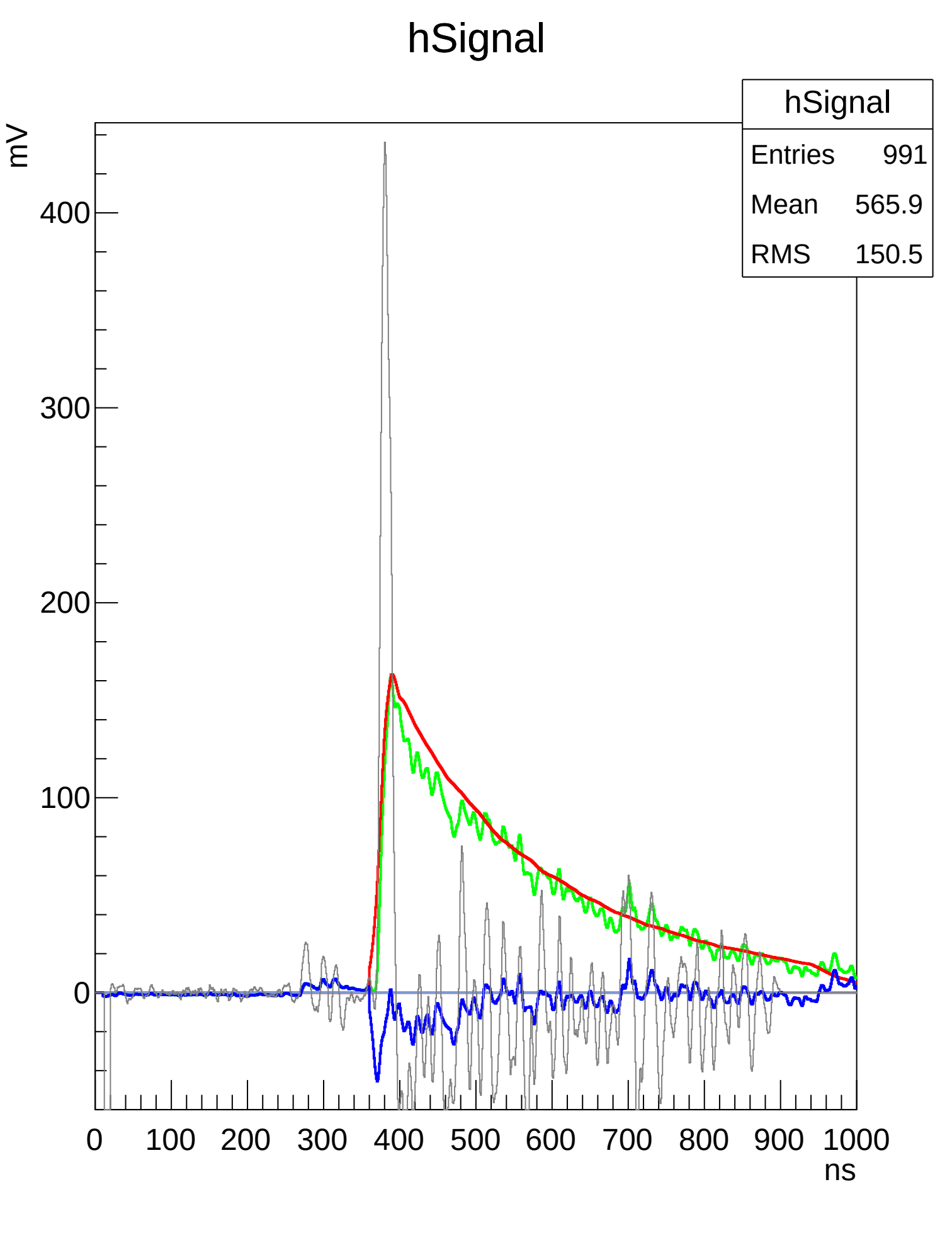

hSignal
hSignal
Entries 991
Mean 503.7
RMS 171.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

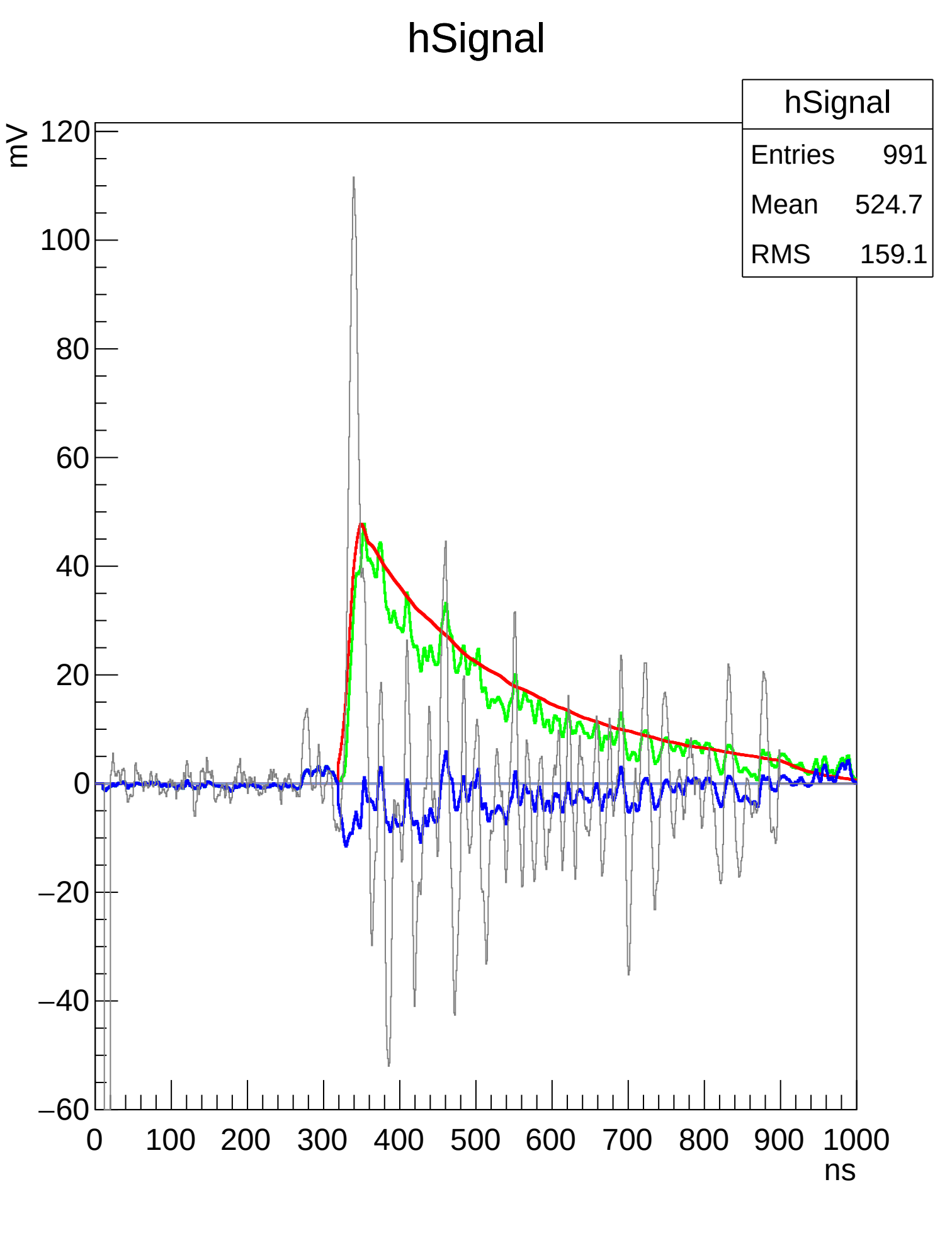

hSignal
hSignal
Entries 991
Mean 515.1
RMS 172.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

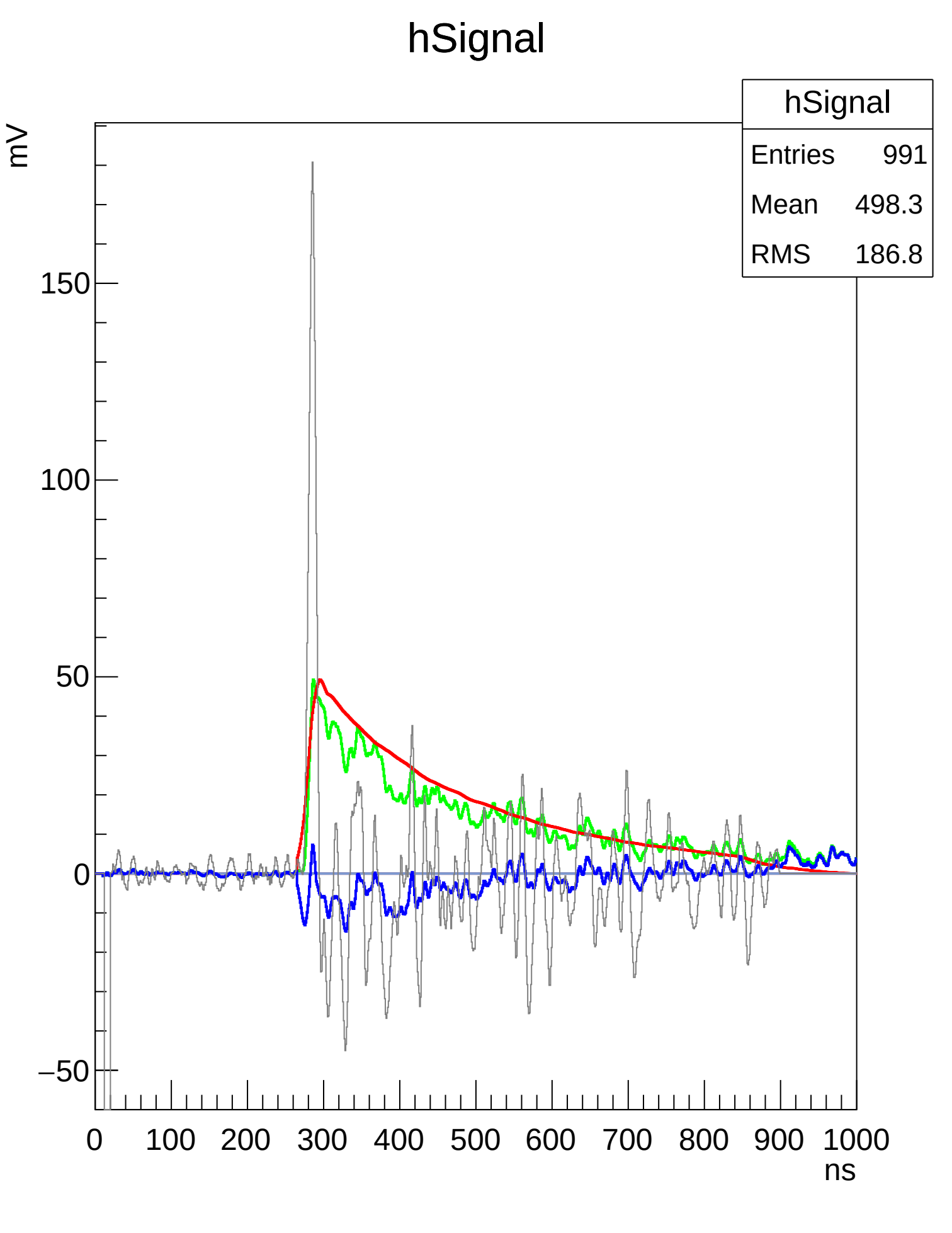

hSignal
hSignal
Entries 991
Mean 513.5
RMS 173.1
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

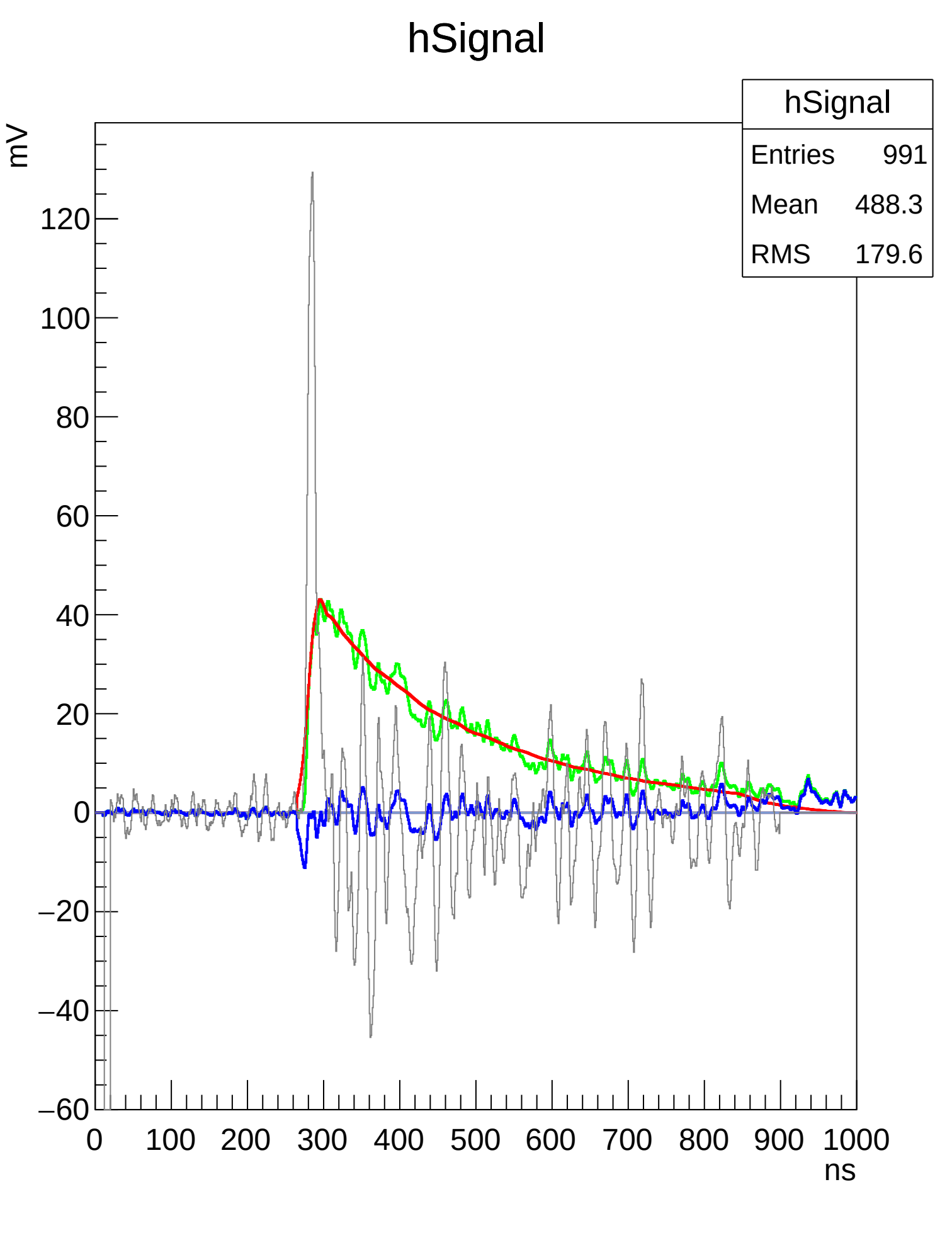

hSignal
hSignal
Entries 991
Mean 514.6
RMS 172.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

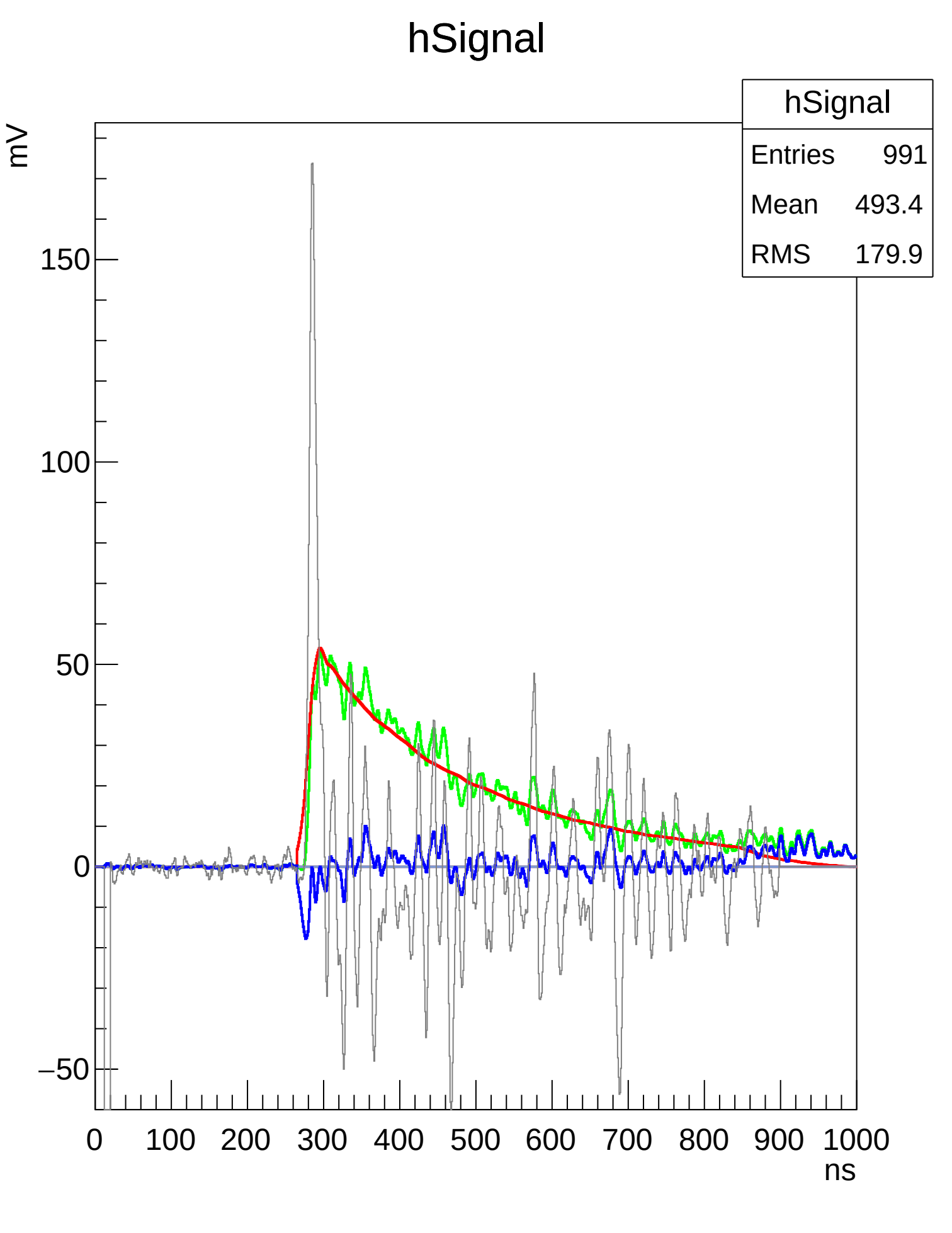

hSignal
hSignal
Entries 991
Mean 555.7
RMS 135.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

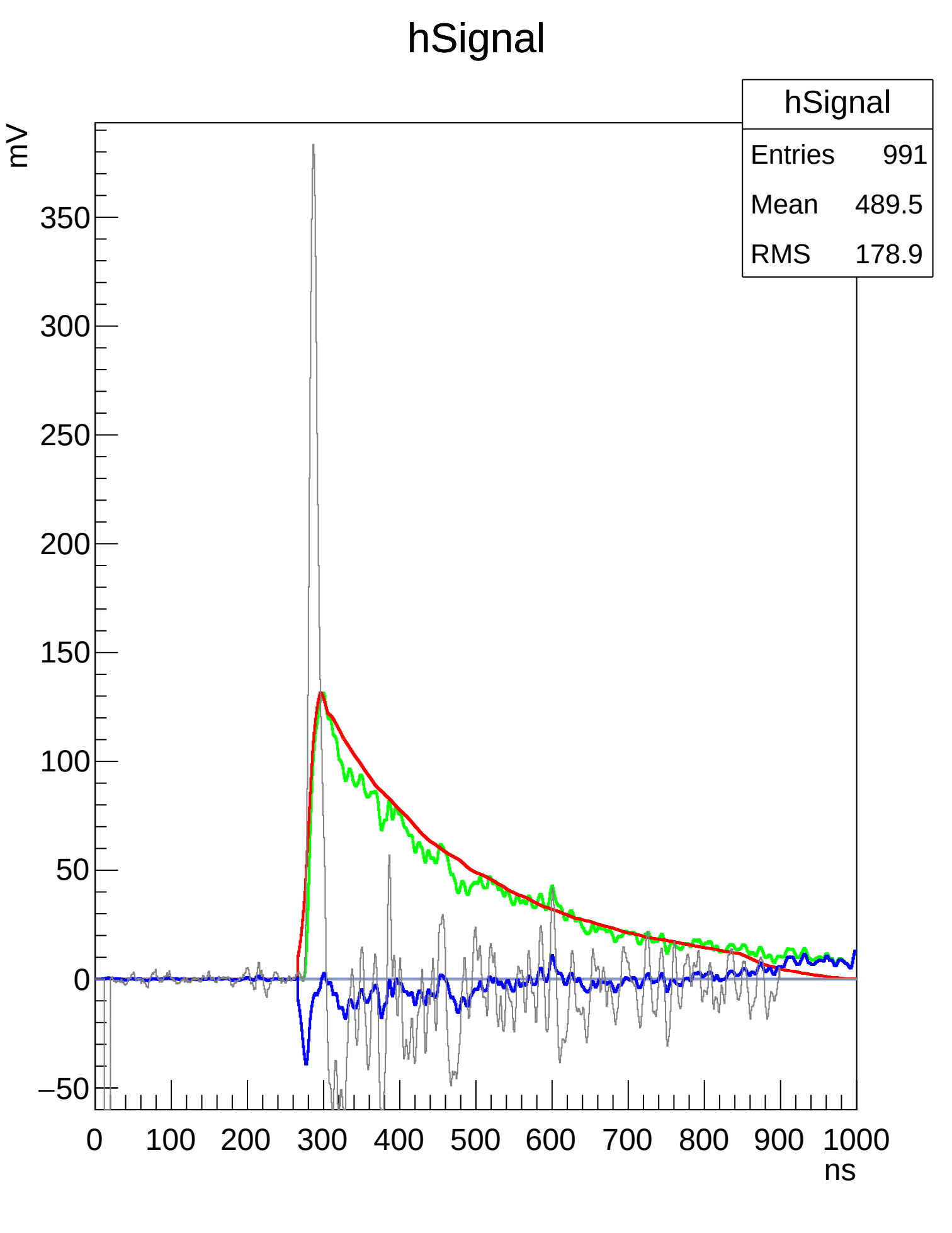

hSignal
hSignal
Entries 991
Mean 565.9
RMS 150.5
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

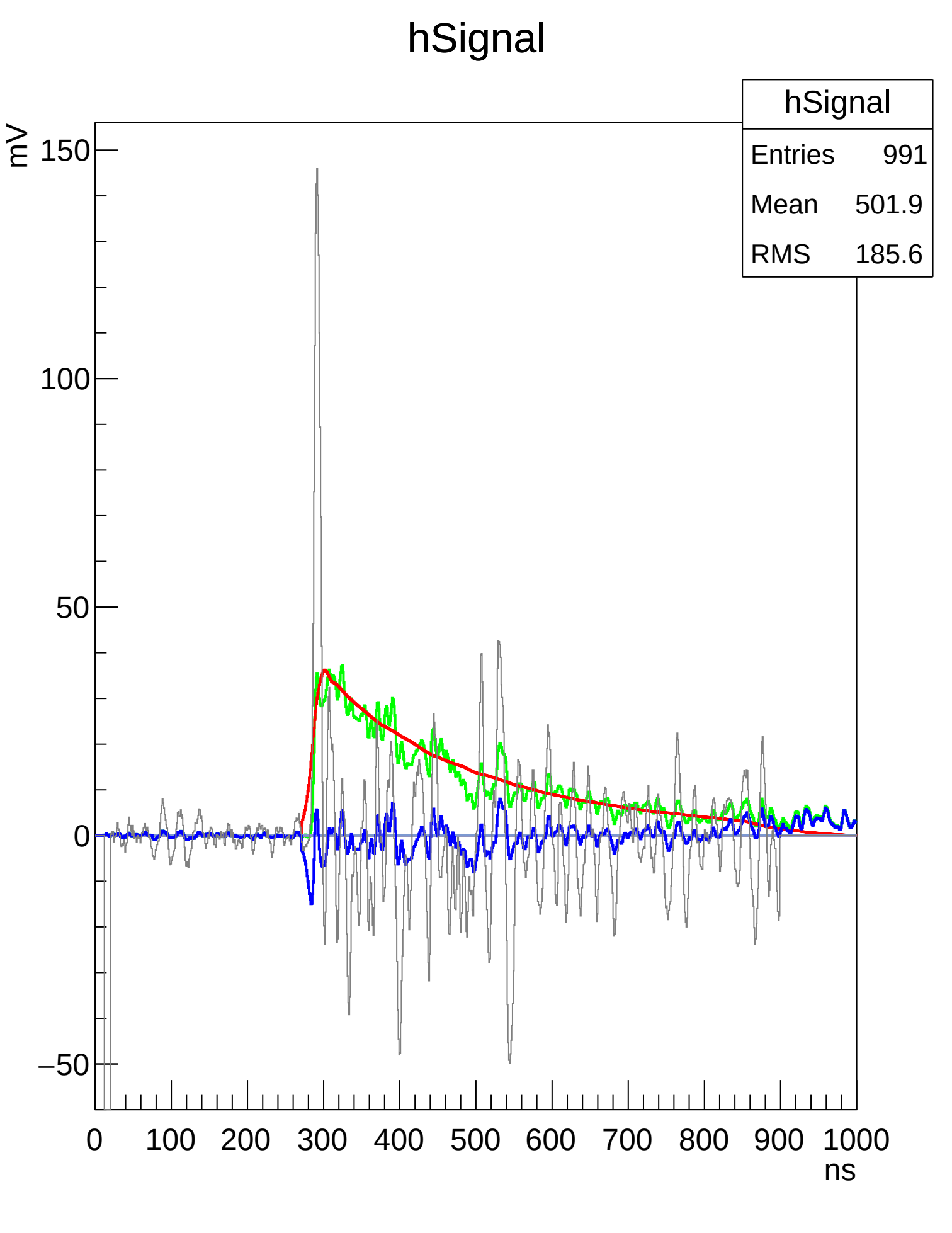

hSignal
hSignal
Entries 991
Mean 524.7
RMS 159.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

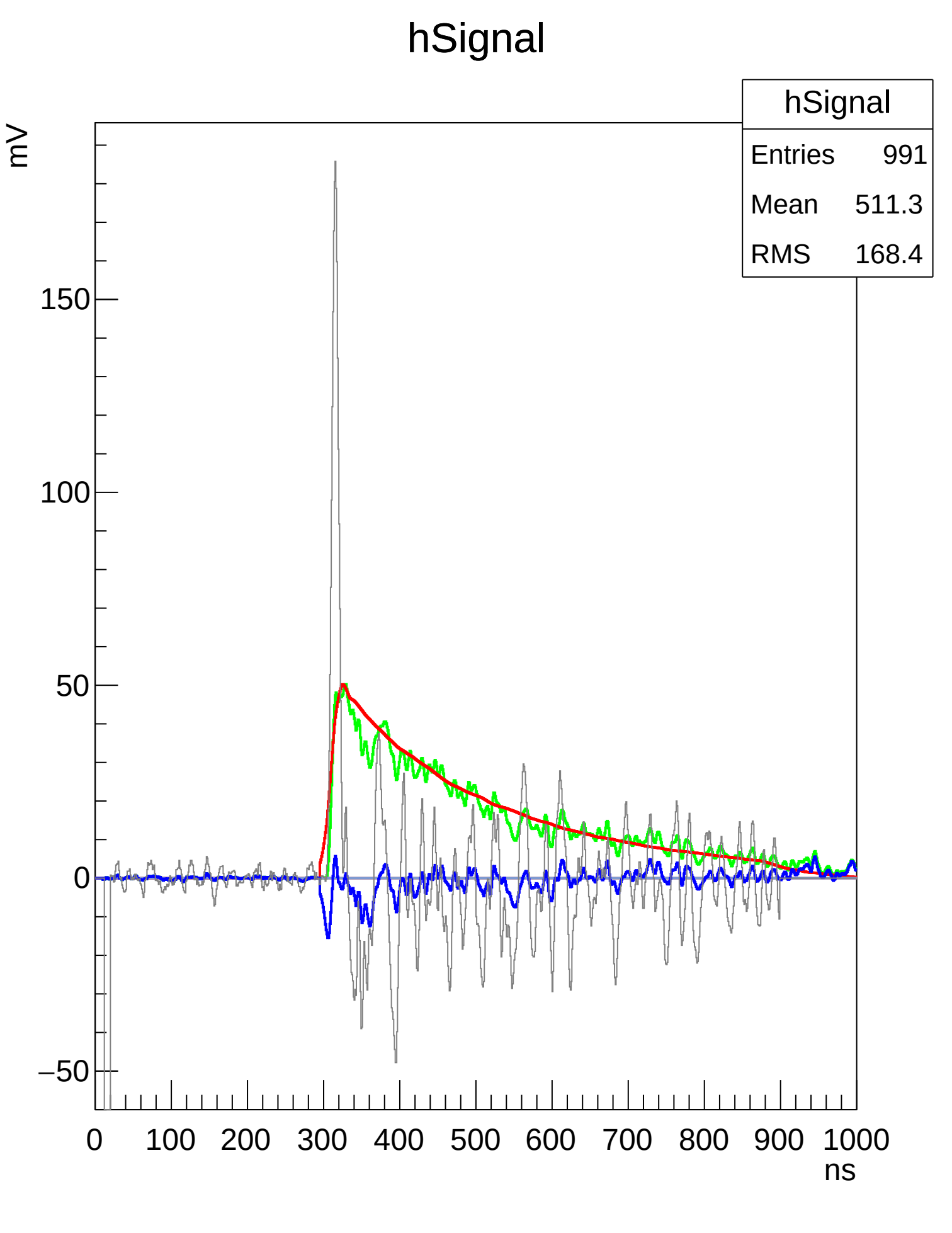

hSignal
hSignal
Entries 991
Mean 498.3
RMS 186.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

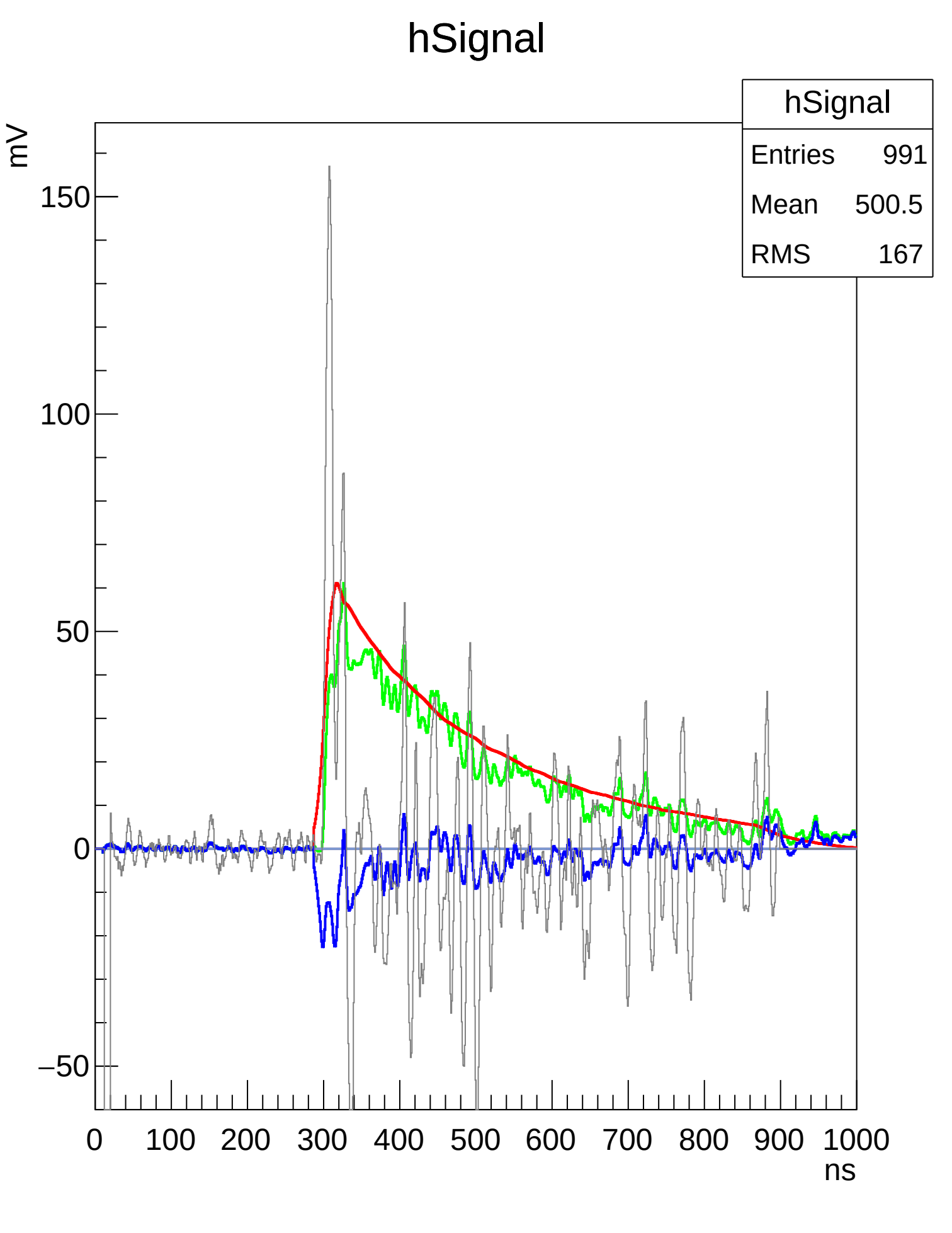

hSignal
hSignal
Entries 991
Mean 488.3
RMS 179.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

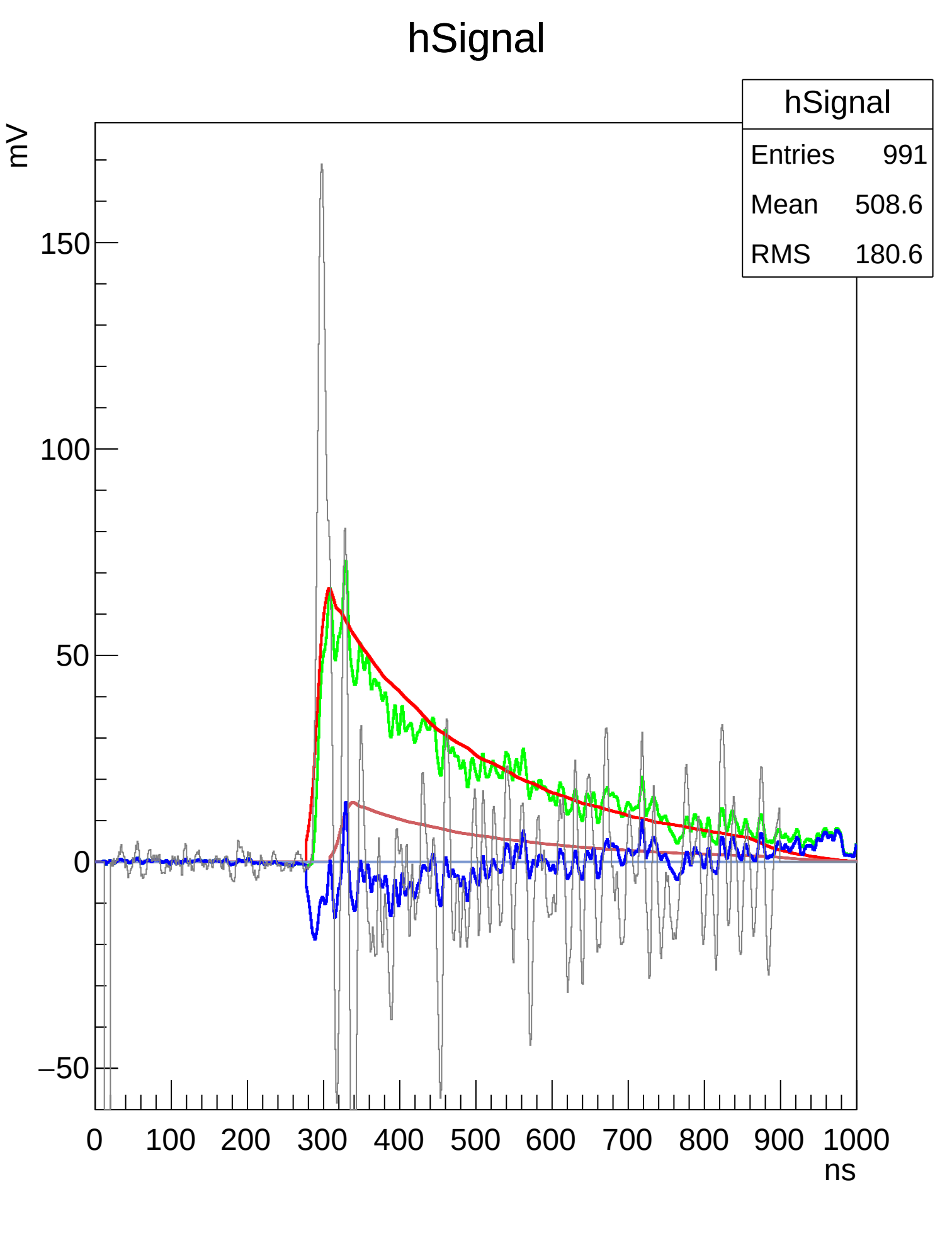

hSignal
hSignal
Entries 991
Mean 493.4
RMS 179.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

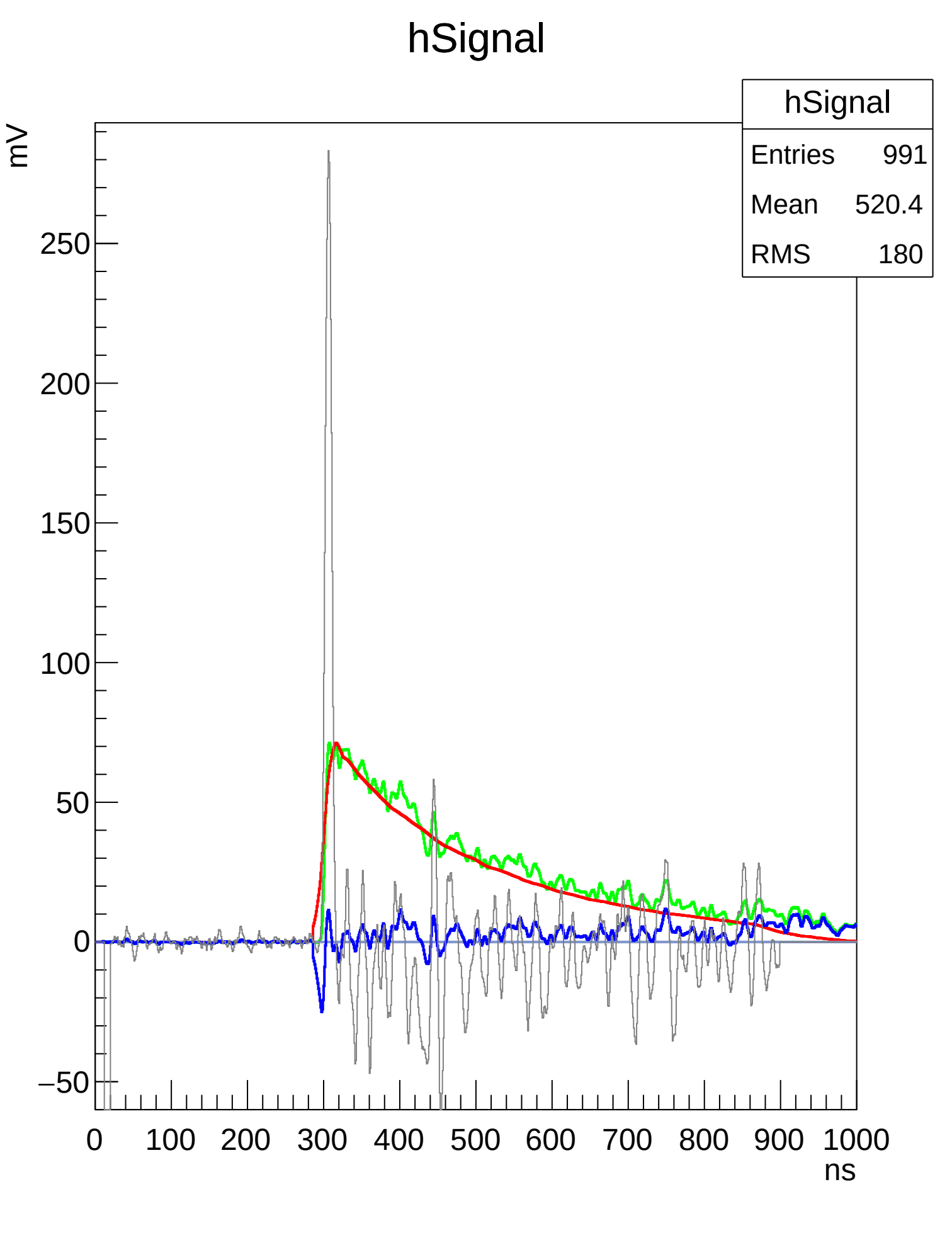

hSignal
hSignal
Entries 991
Mean 489.5
RMS 178.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

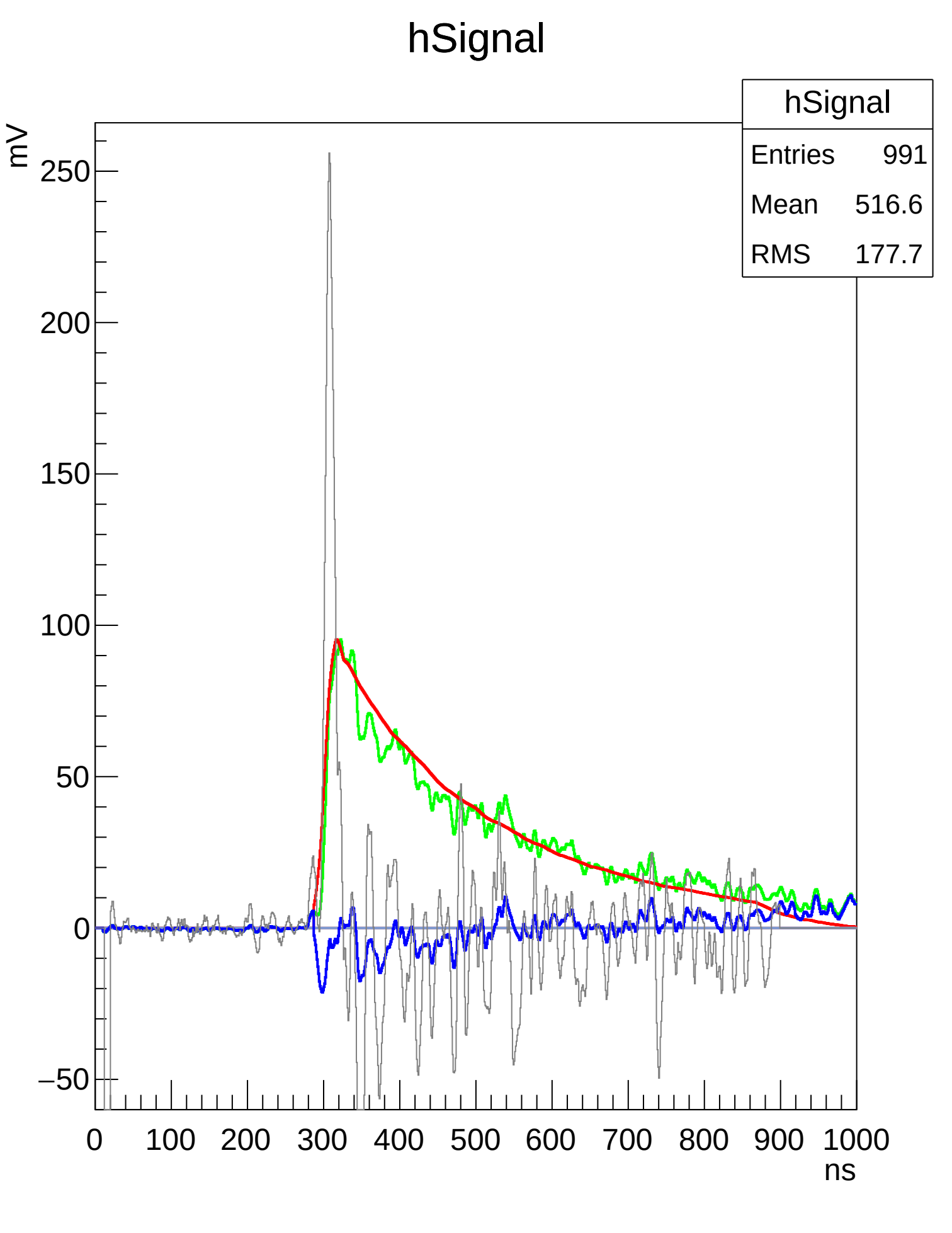

hSignal
hSignal
Entries 991
Mean 501.9
RMS 185.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

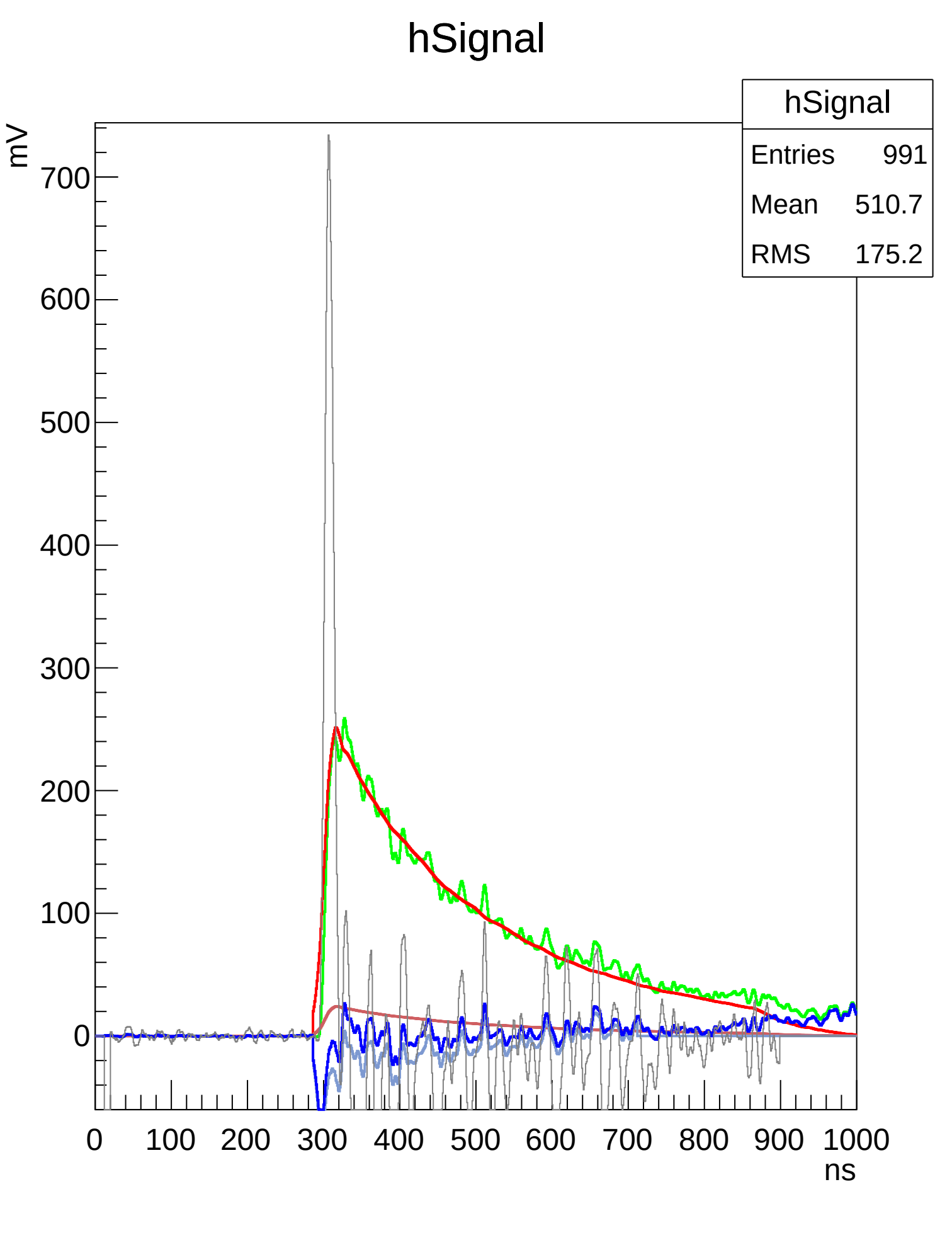

hSignal
hSignal
Entries 991
Mean 511.3
RMS 168.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

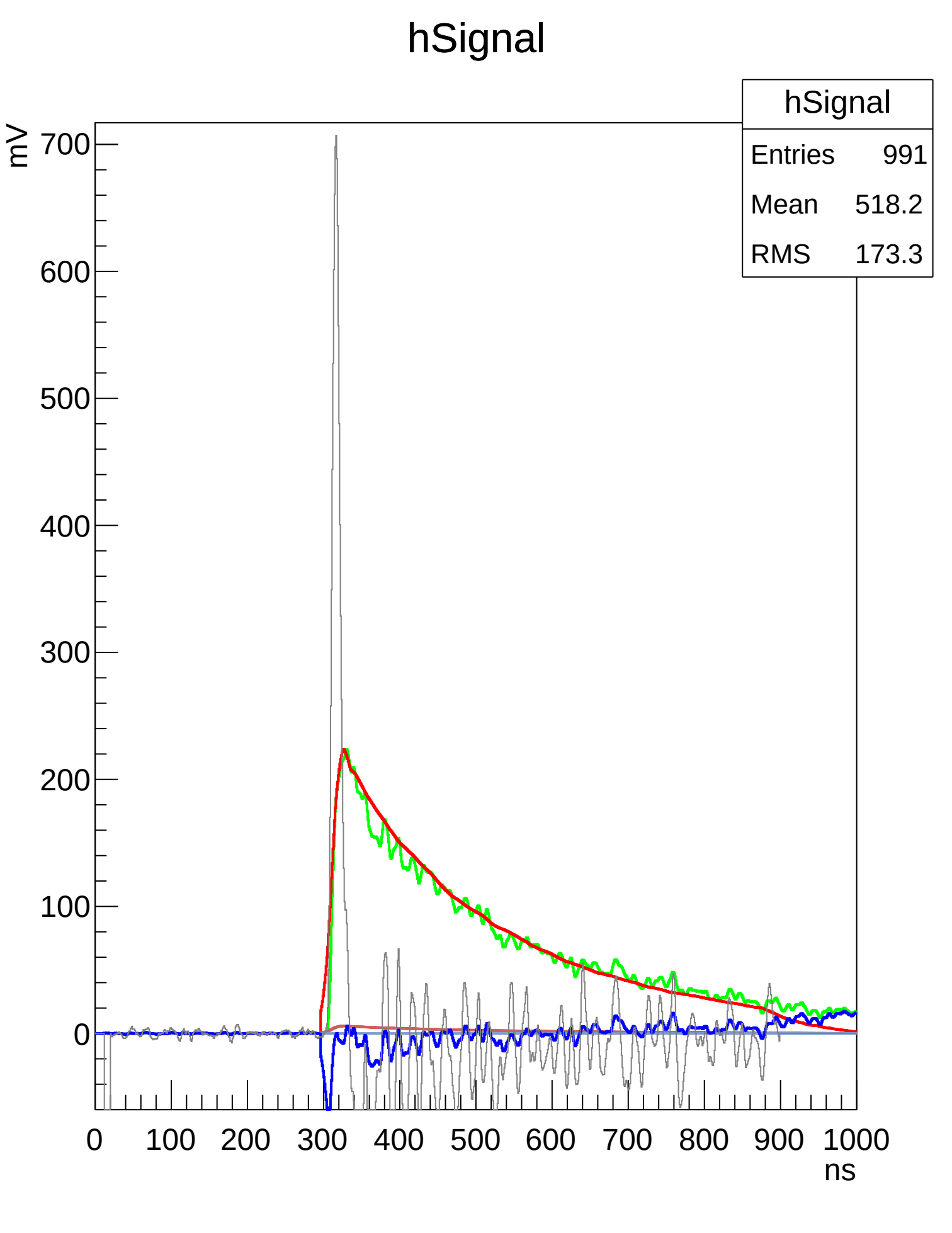

hSignal
hSignal
Entries 991
Mean 500.5
RMS 167
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

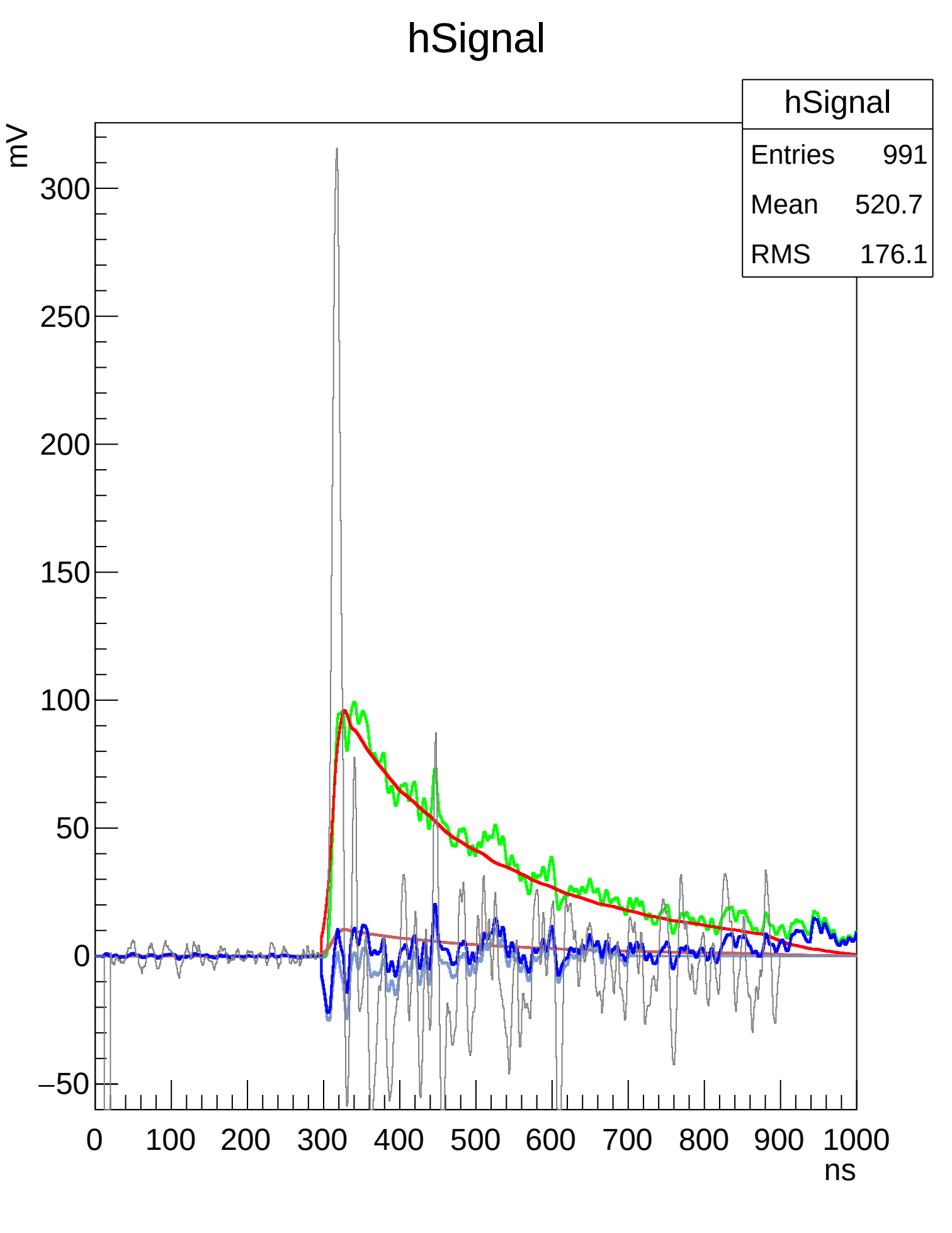

hSignal
hSignal
Entries 991
Mean 508.6
RMS 180.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

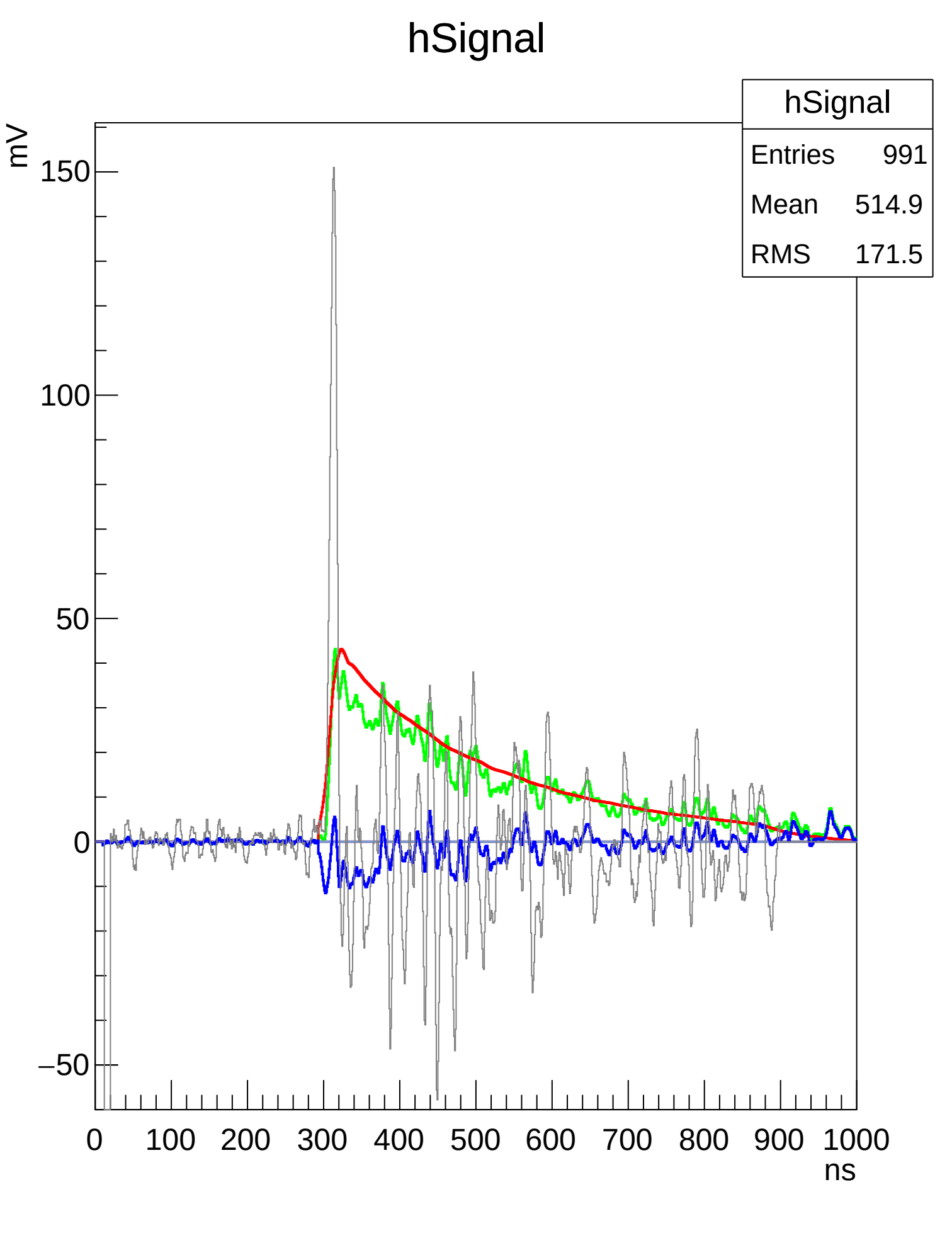

hSignal
hSignal
Entries 991
Mean 520.4
RMS 180
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

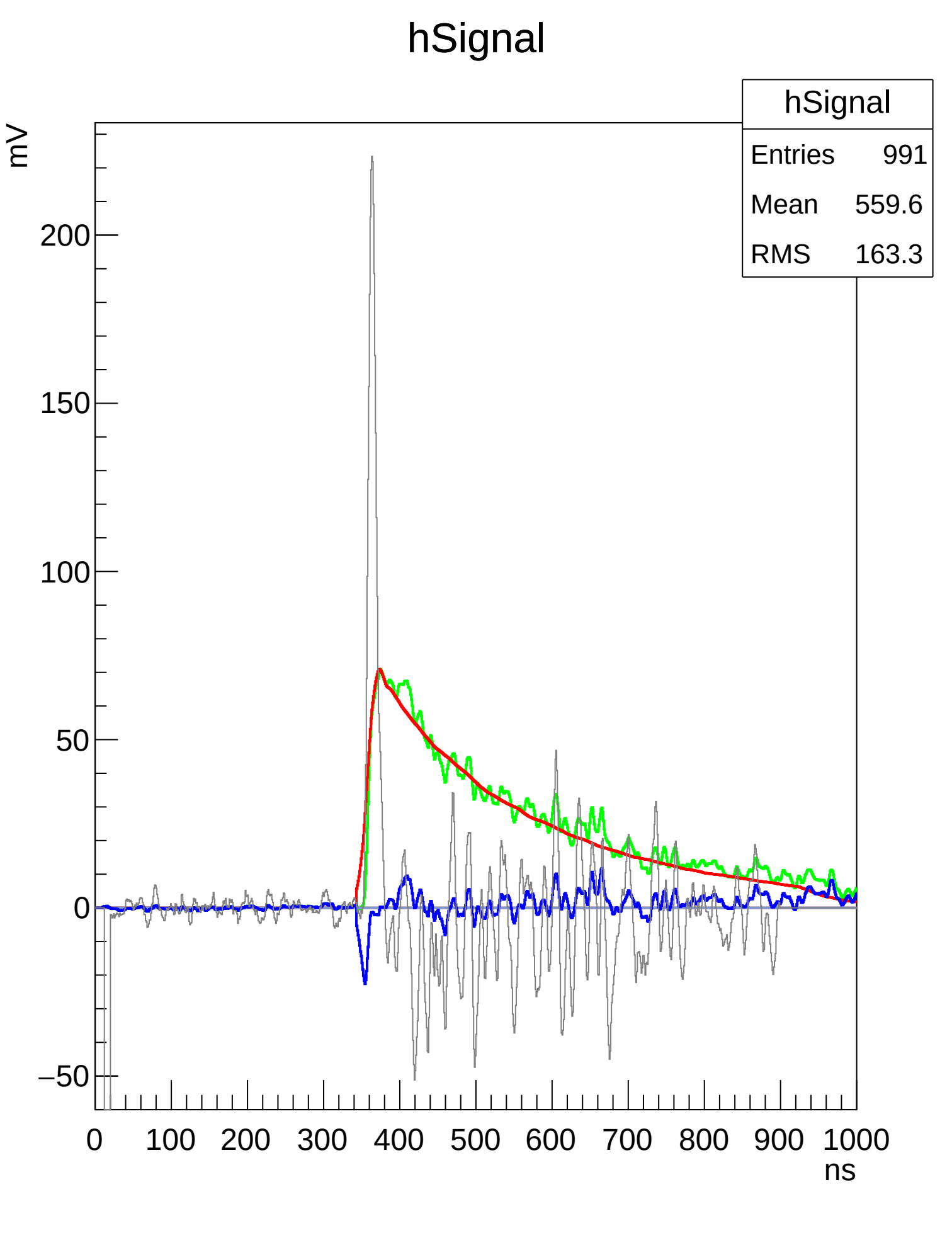

hSignal
hSignal
Entries 991
Mean 516.6
RMS 177.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

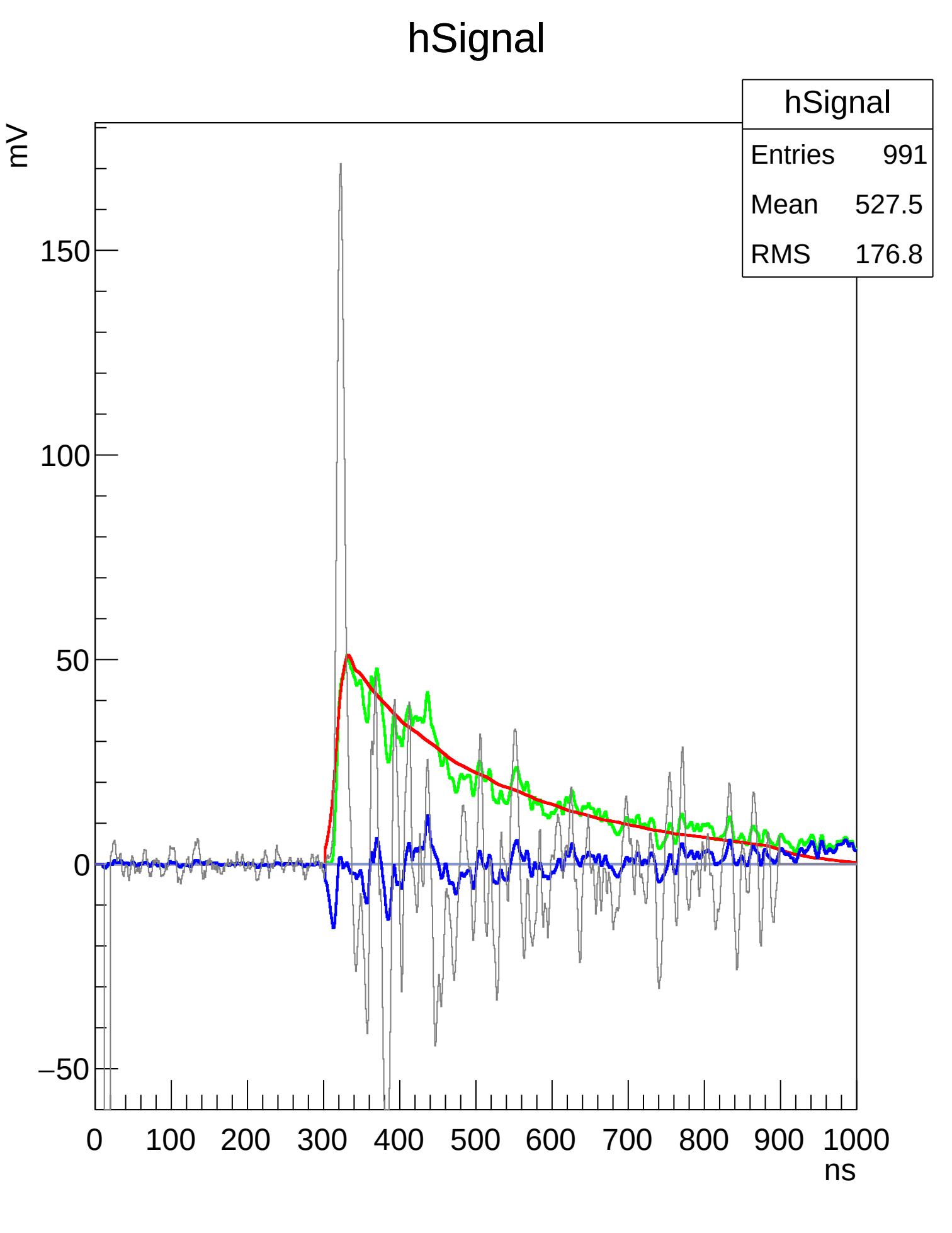

hSignal
hSignal
Entries 991
Mean 510.7
RMS 175.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

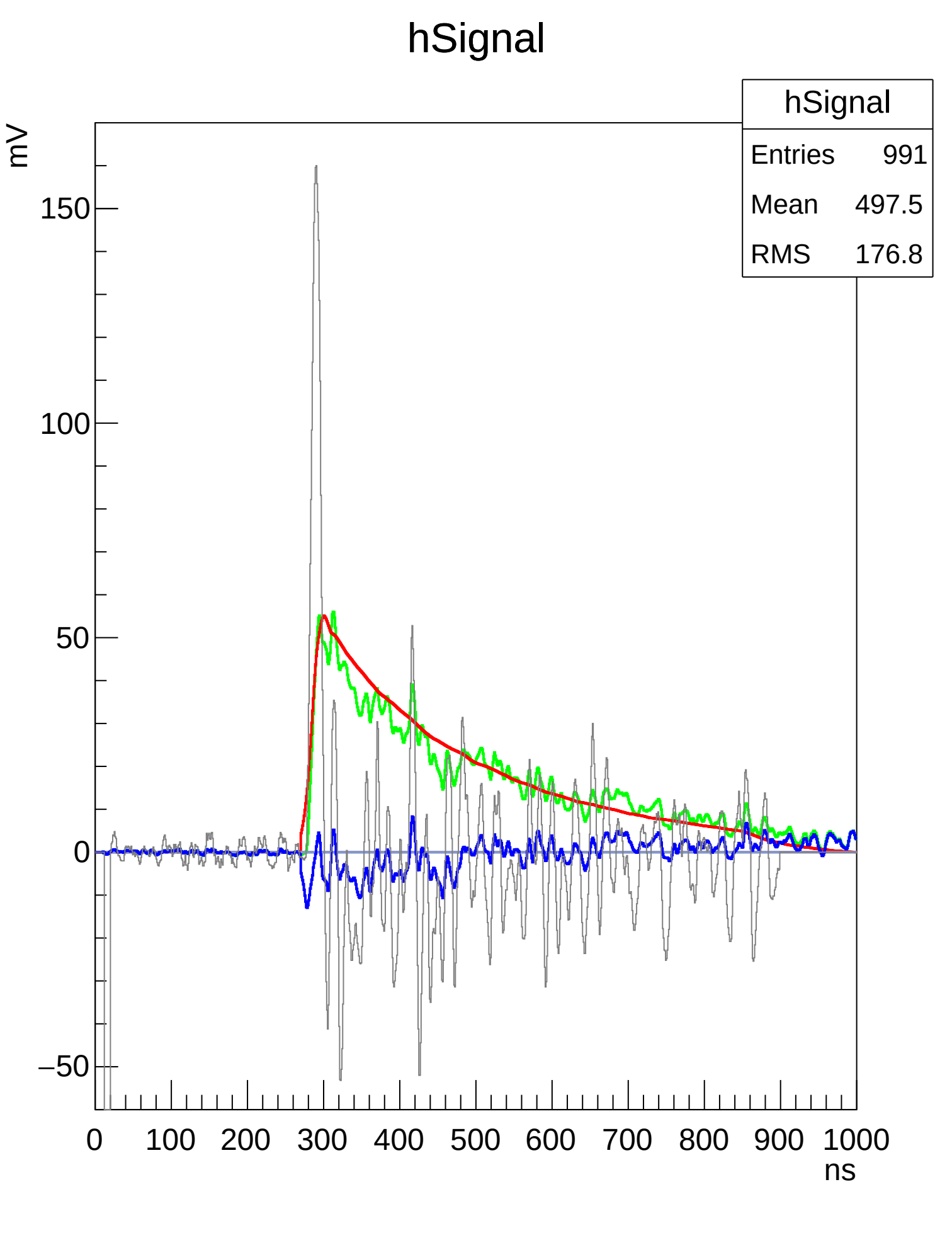

hSignal
hSignal
Entries 991
Mean 518.2
RMS 173.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

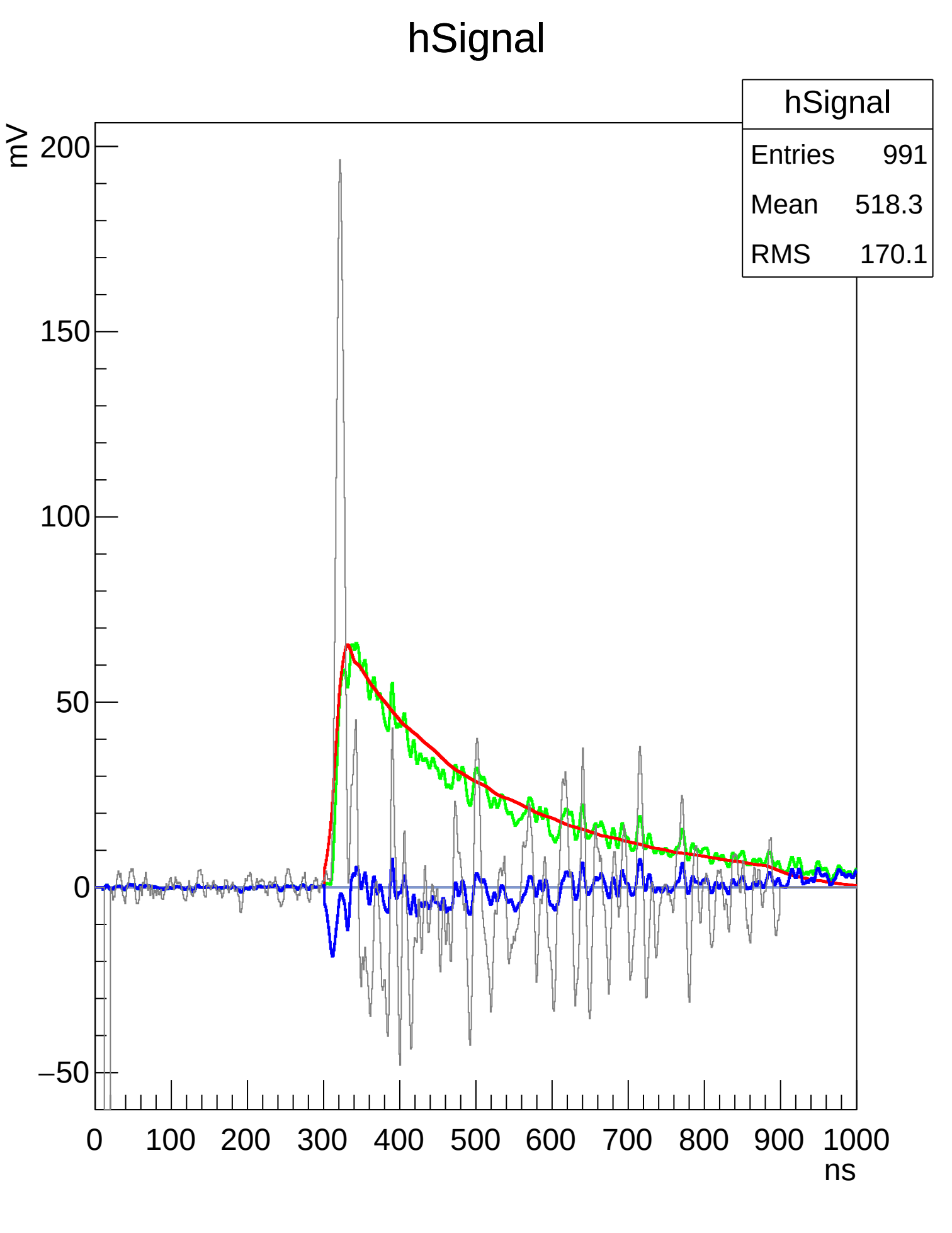

hSignal
hSignal
Entries 991
Mean 520.7
RMS 176.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

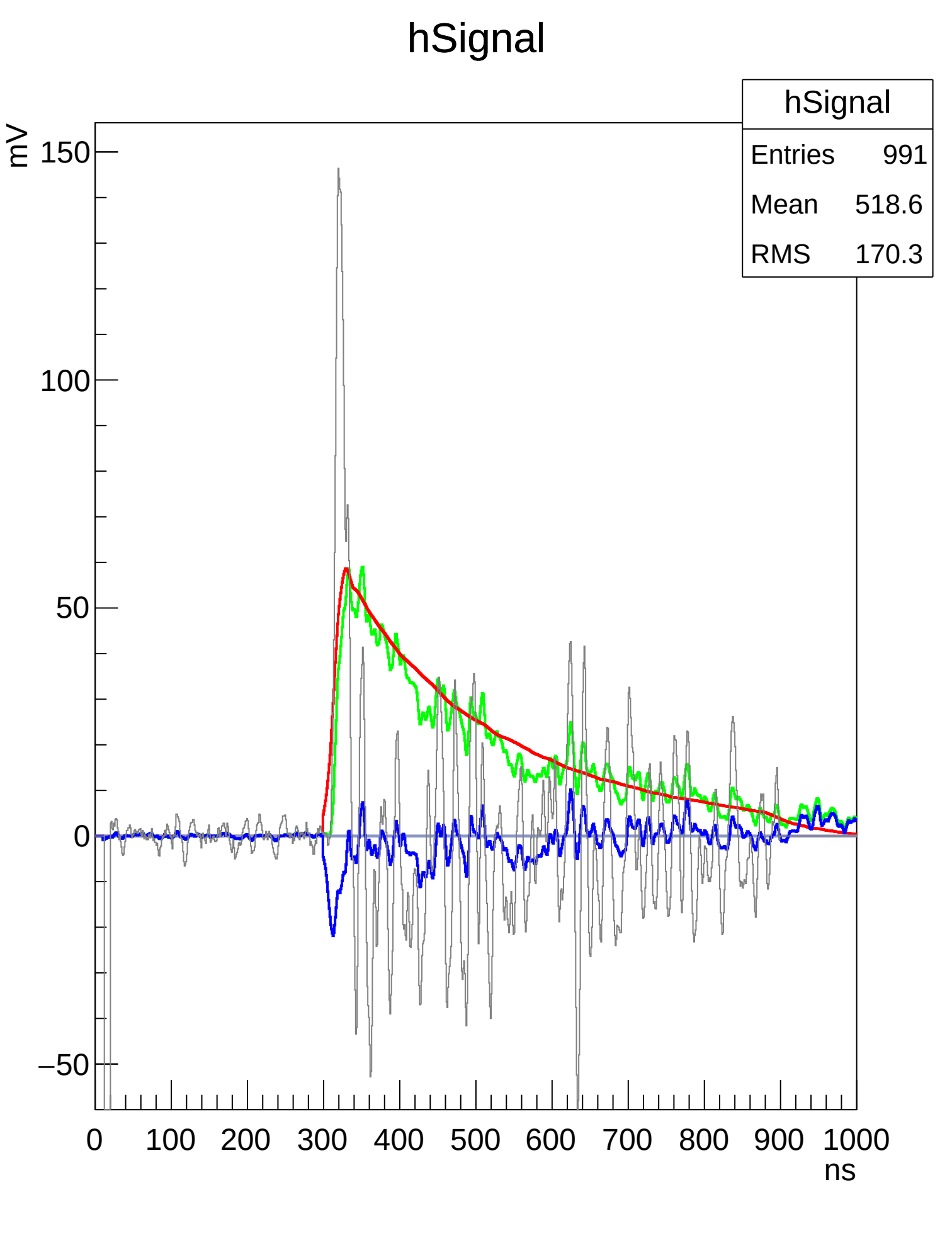

hSignal
hSignal
Entries 991
Mean 514.9
RMS 171.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

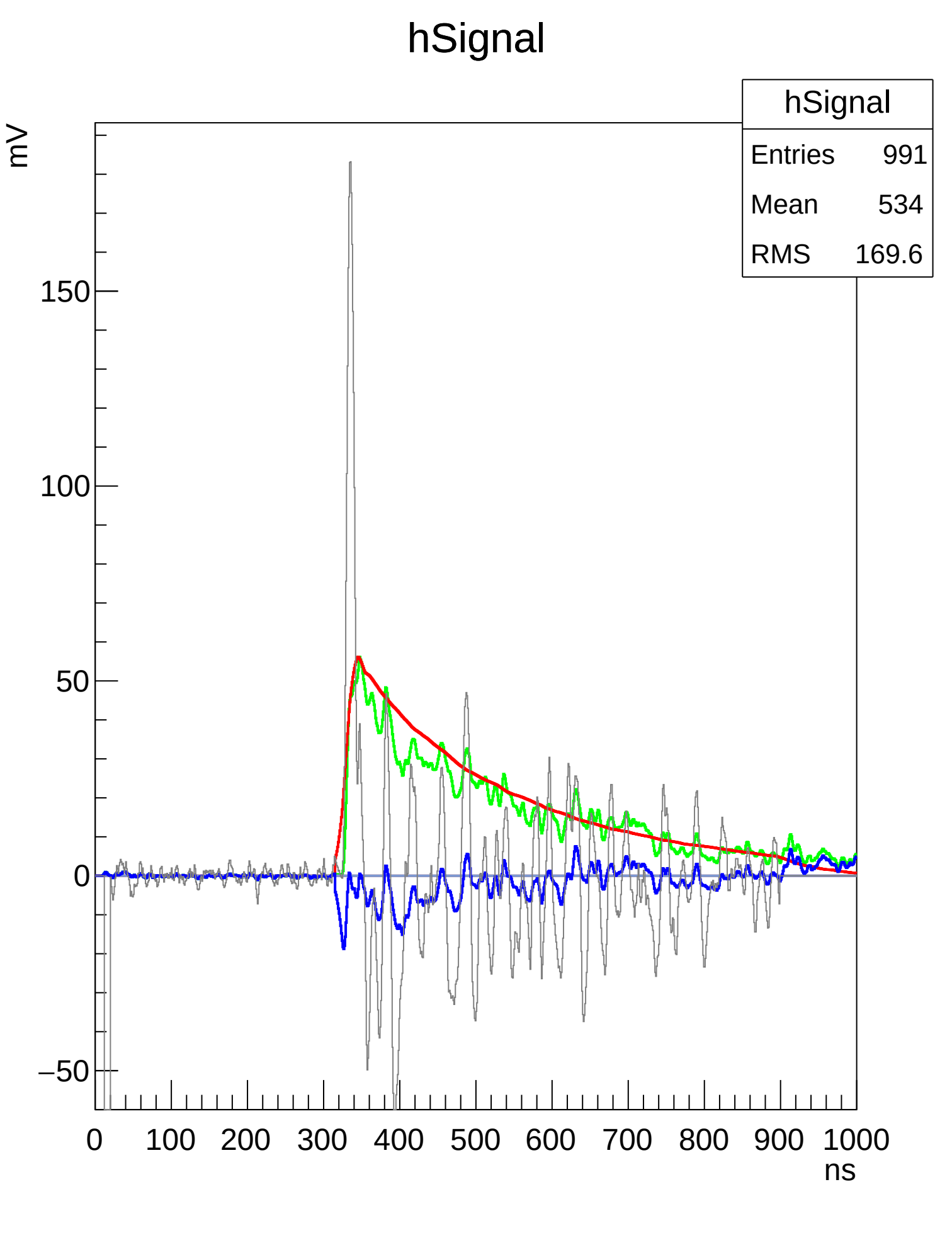

hSignal
hSignal
Entries 991
Mean 559.6
RMS 163.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

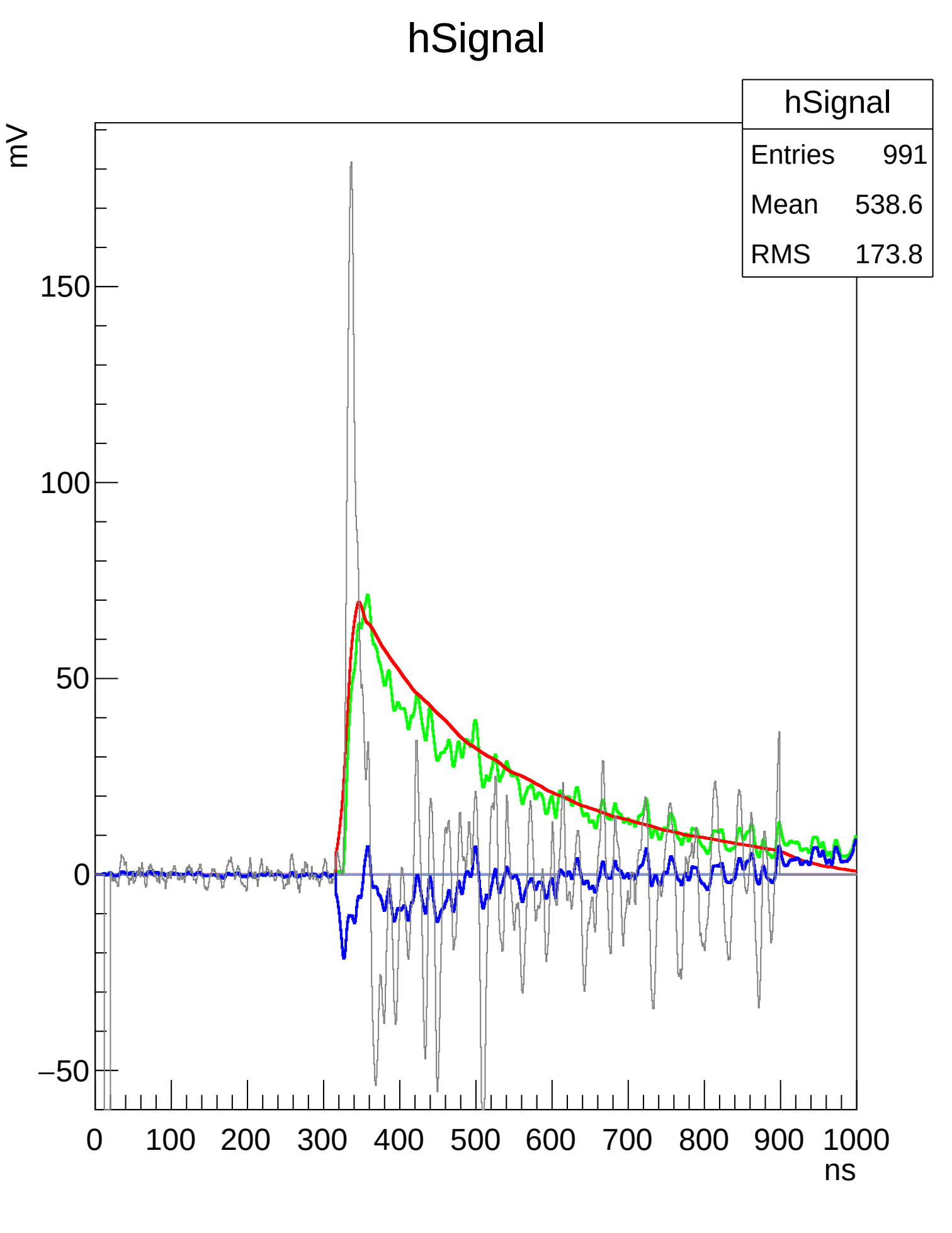

hSignal
hSignal
Entries 991
Mean 527.5
RMS 176.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

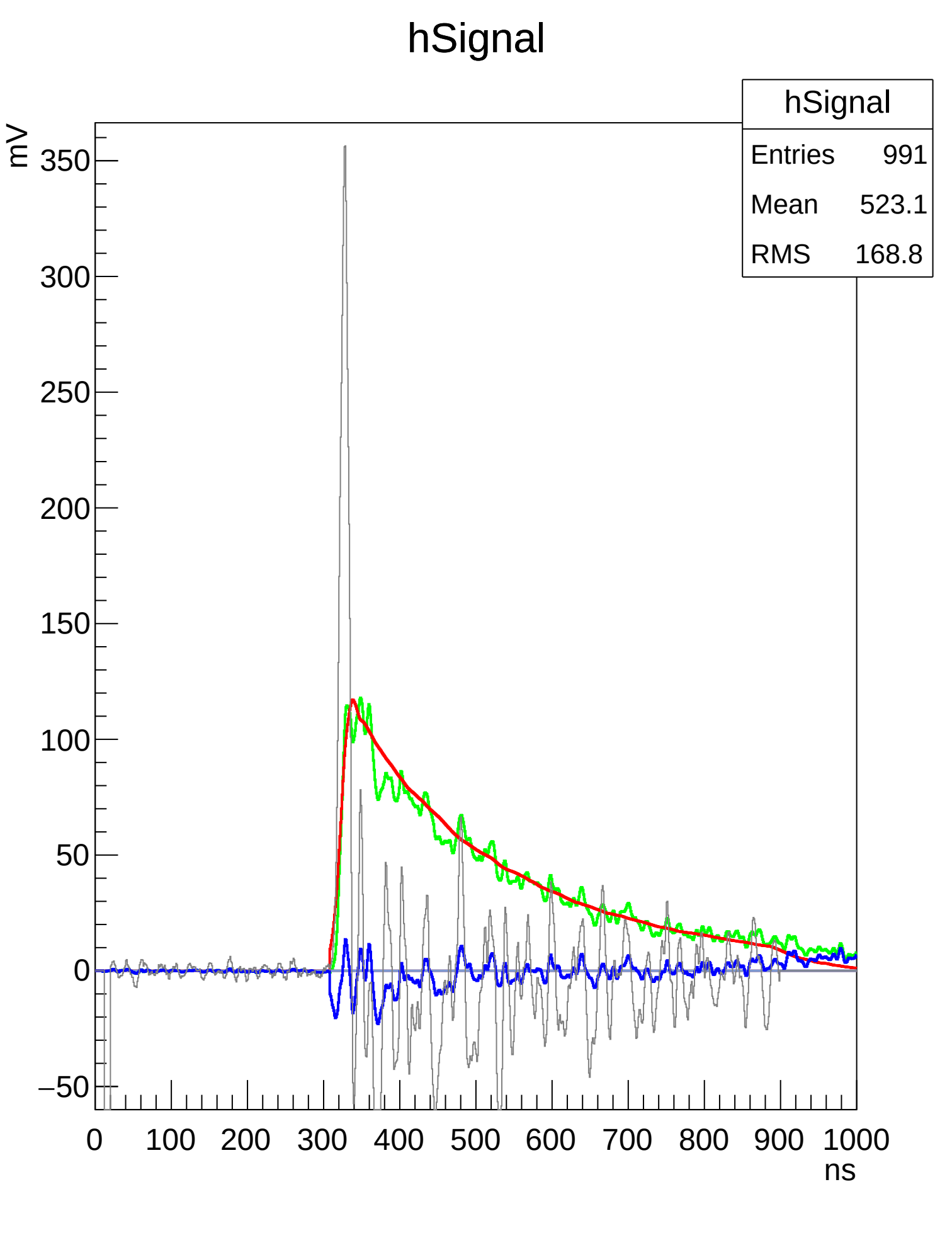

hSignal
hSignal
Entries 991
Mean 497.5
RMS 176.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

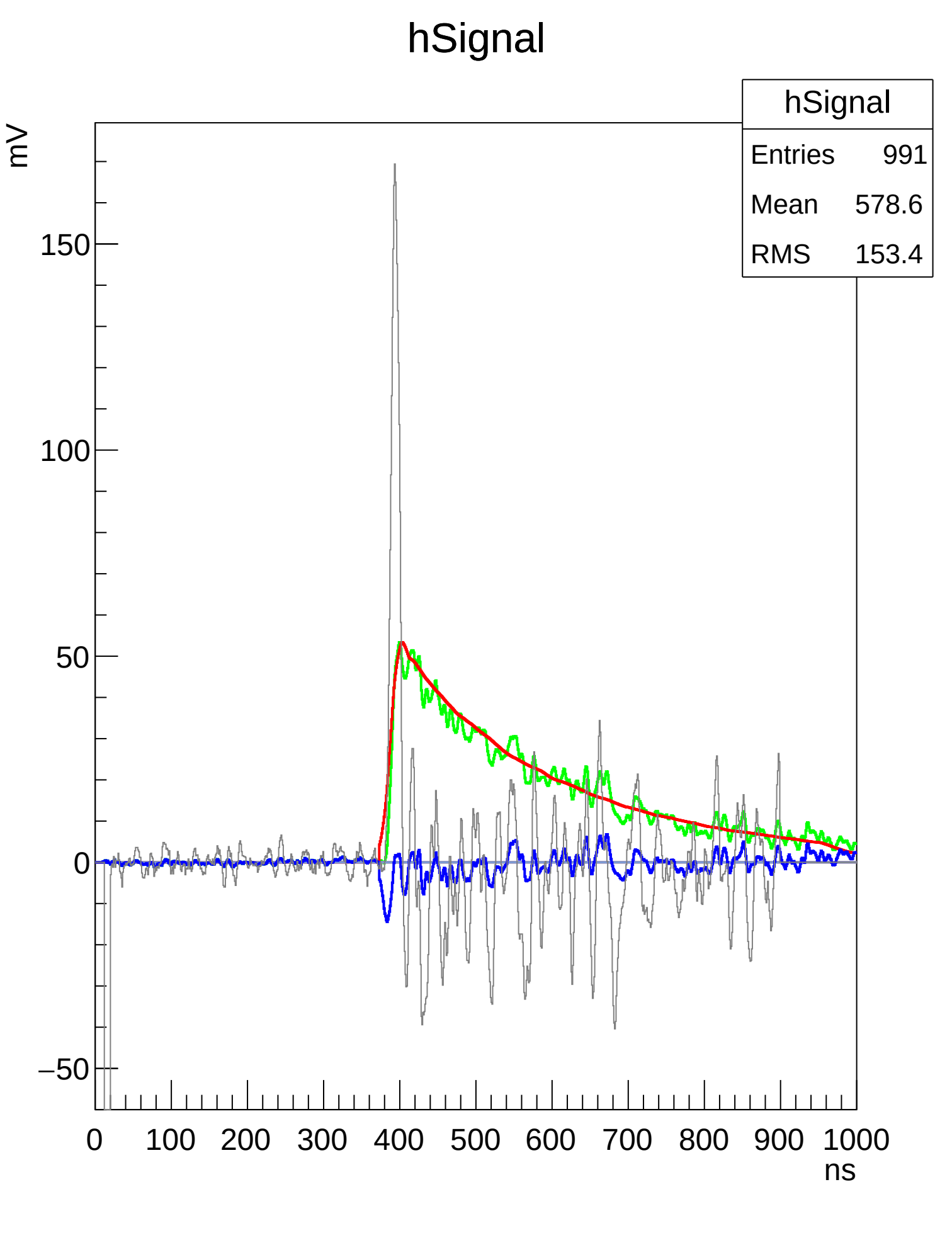

hSignal
hSignal
Entries 991
Mean 518.3
RMS 170.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

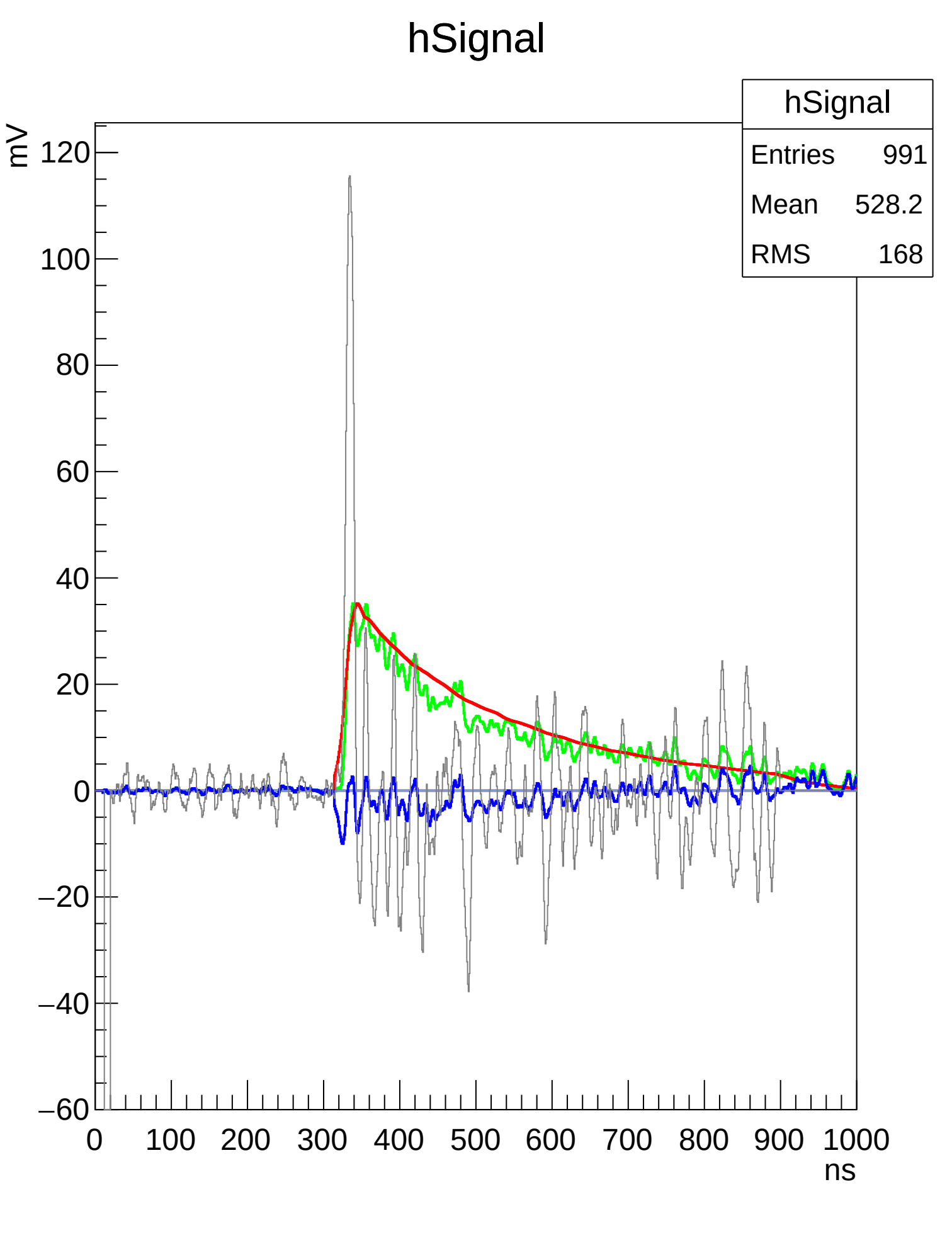

hSignal
hSignal
Entries 991
Mean 518.6
RMS 170.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

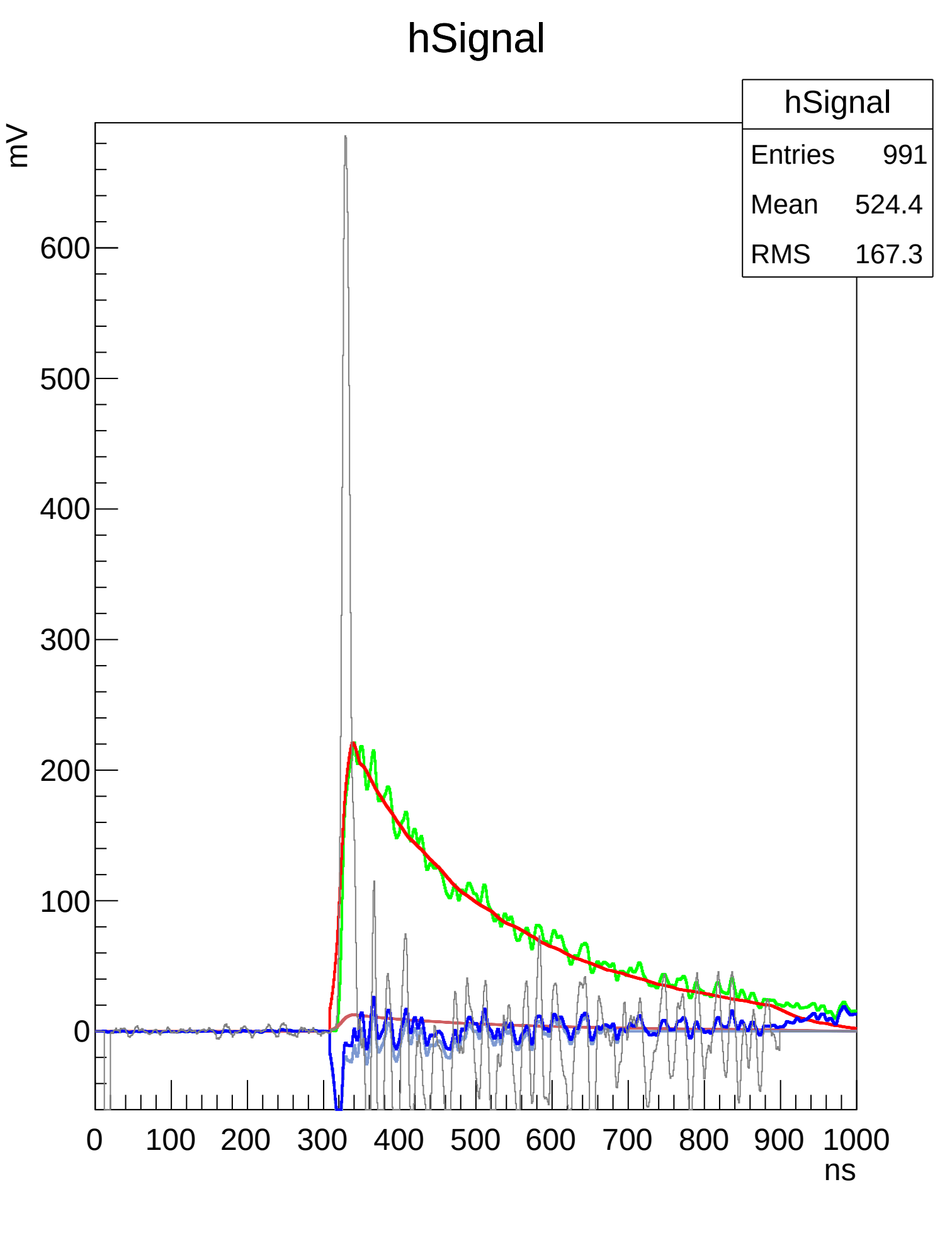

hSignal
hSignal
Entries 991
Mean 534
RMS 169.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

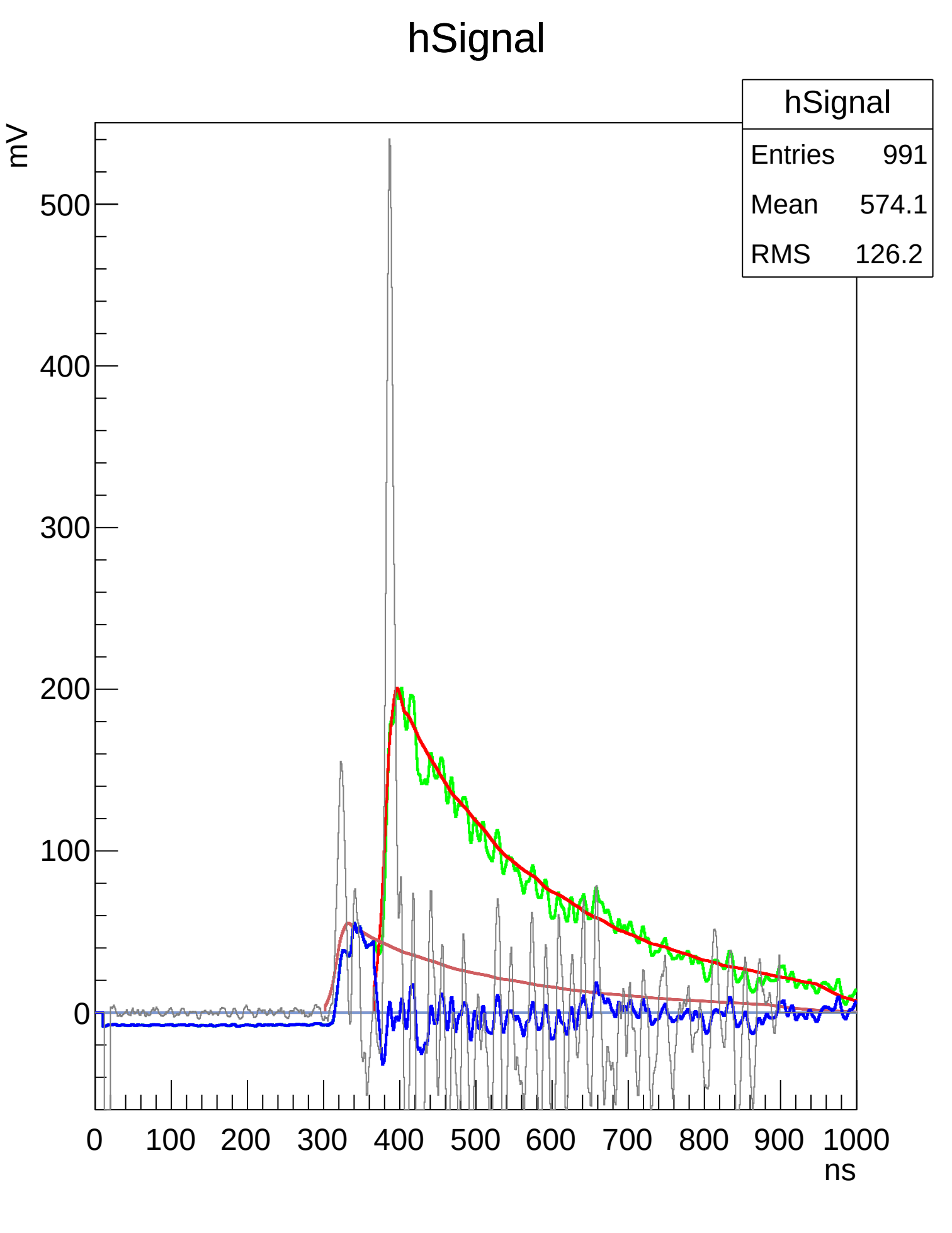

hSignal
hSignal
Entries 991
Mean 538.6
RMS 173.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

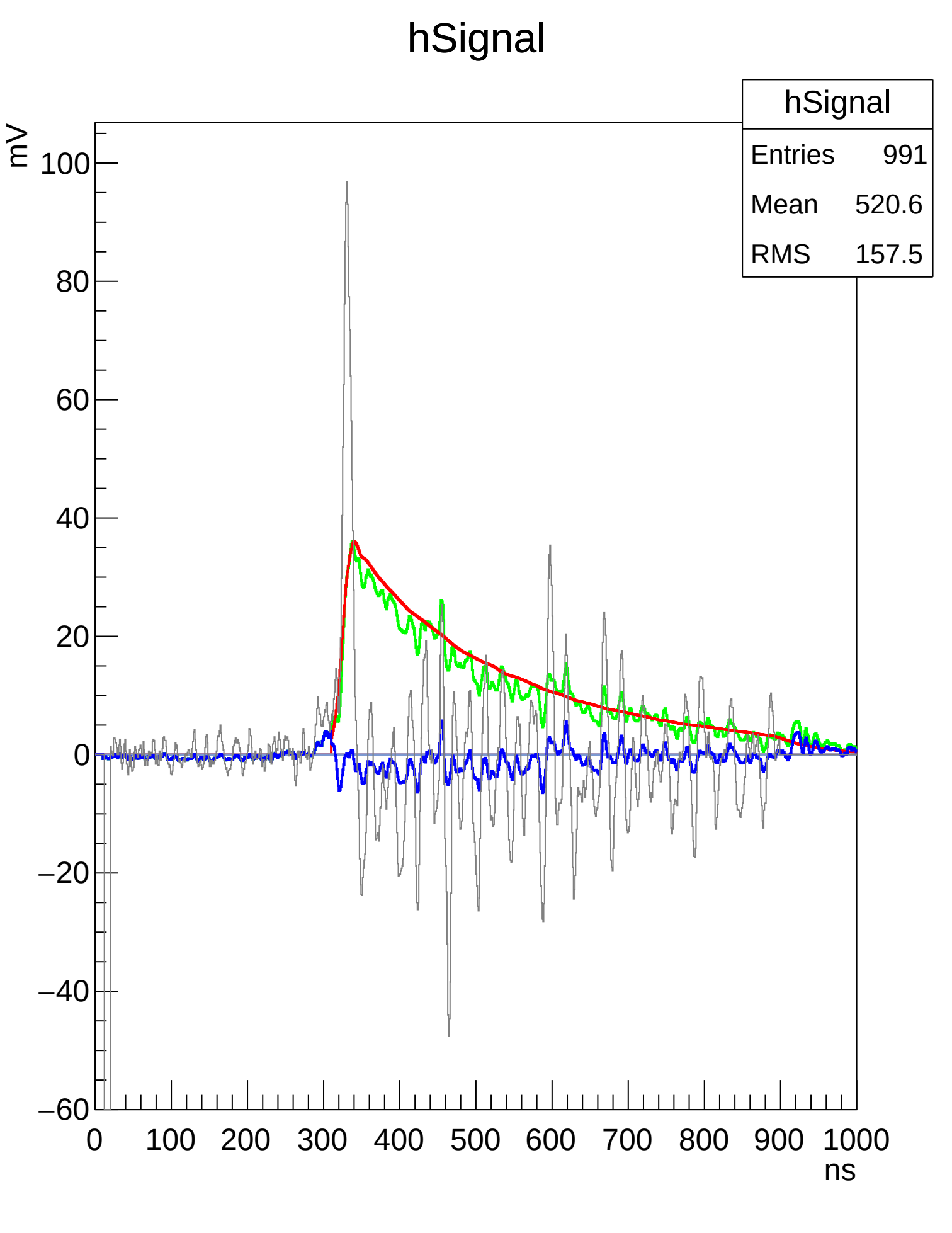

hSignal
hSignal
Entries 991
Mean 523.1
RMS 168.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

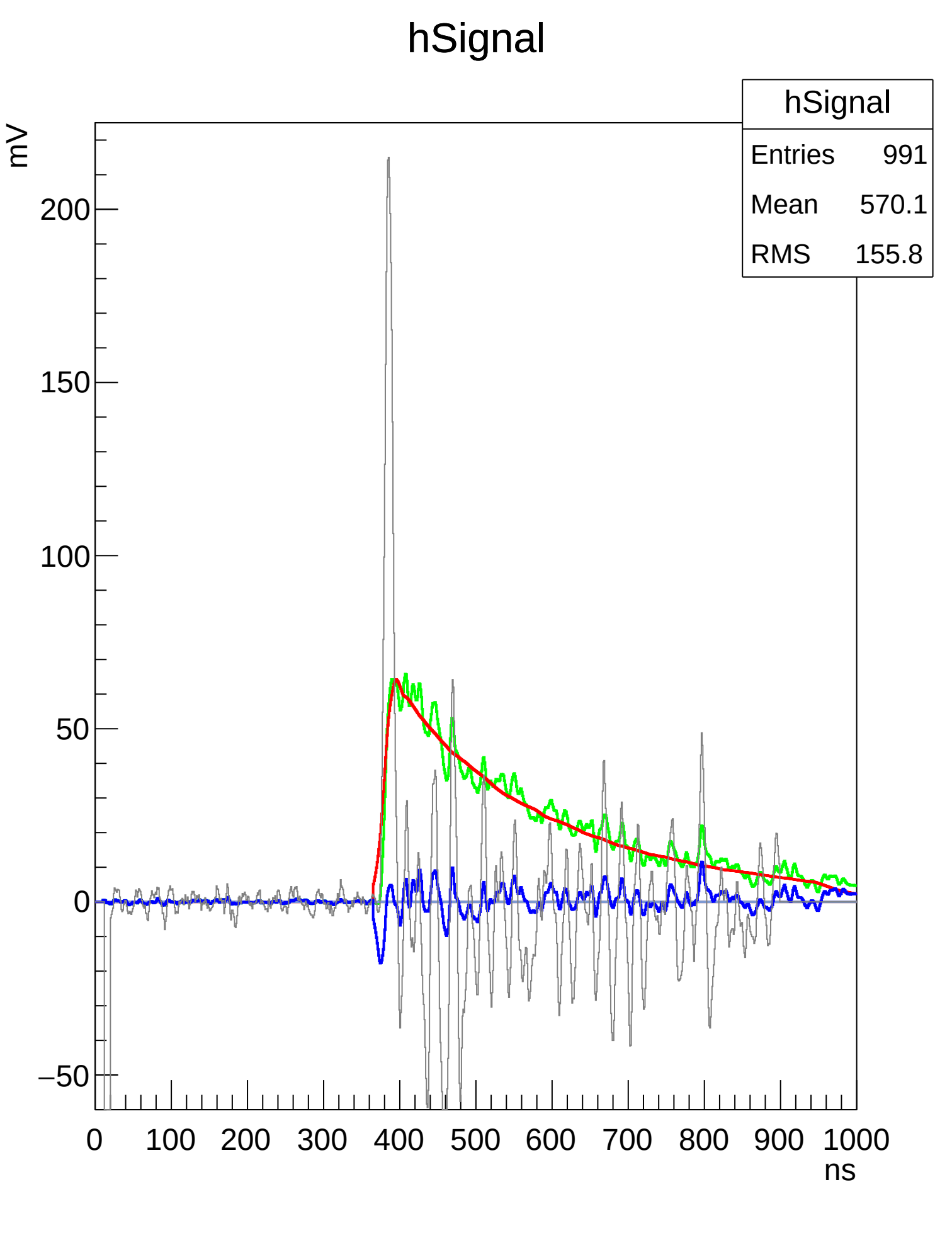

hSignal
hSignal
Entries 991
Mean 578.6
RMS 153.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

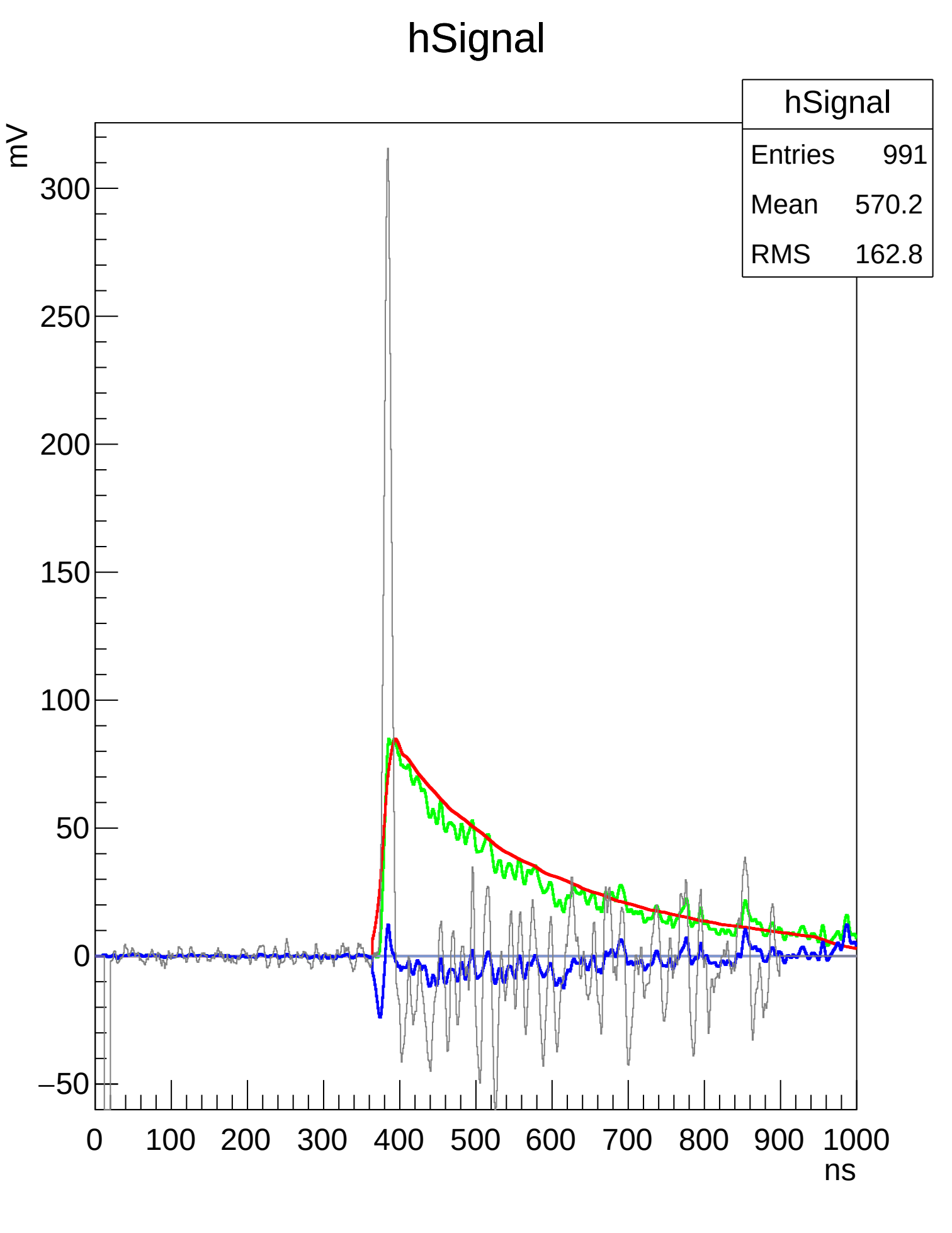

hSignal
hSignal
Entries 991
Mean 528.2
RMS 168
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

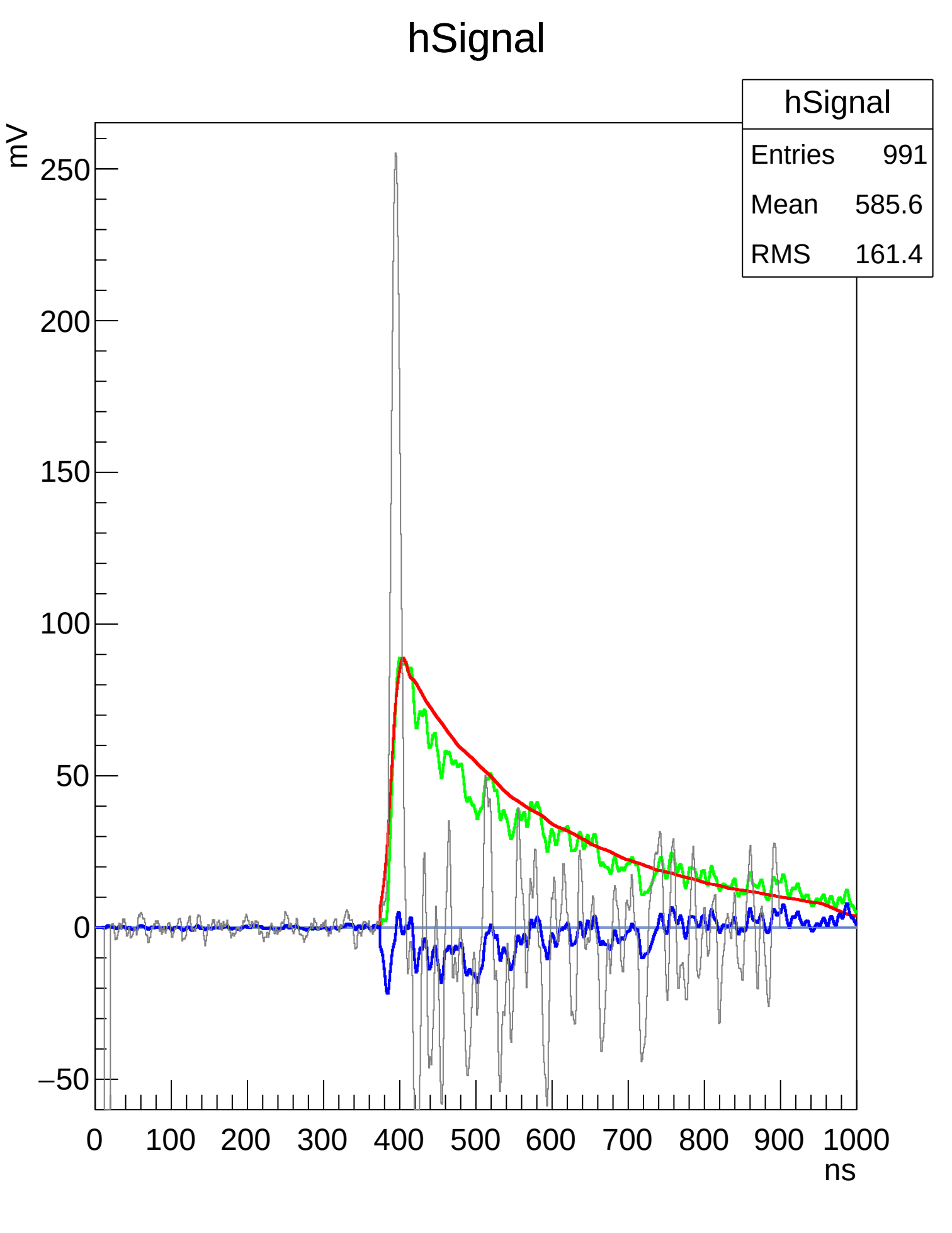

hSignal
hSignal
Entries 991
Mean 524.4
RMS 167.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

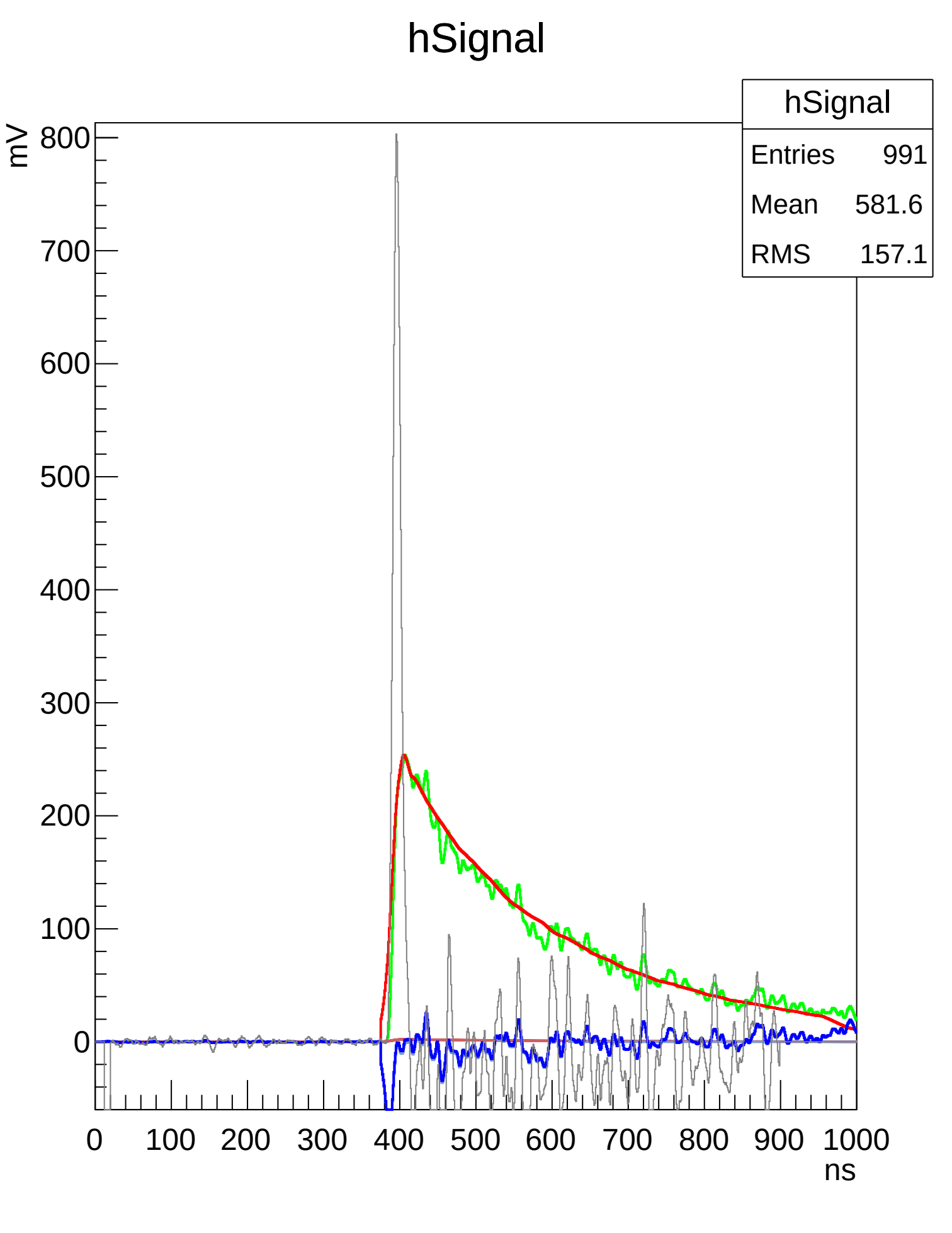

hSignal
hSignal
Entries 991
Mean 574.1
RMS 126.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

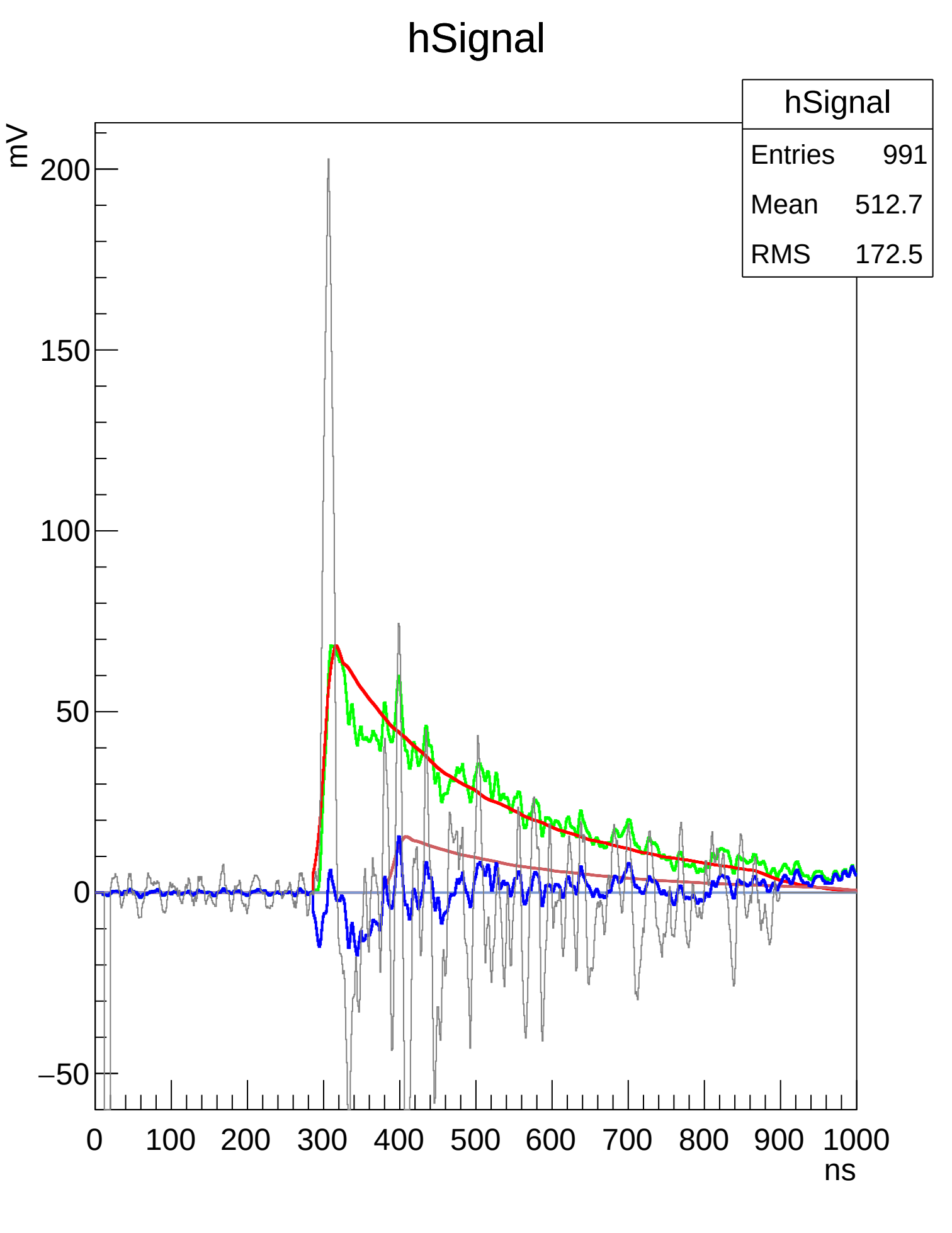

hSignal
hSignal
Entries 991
Mean 520.6
RMS 157.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

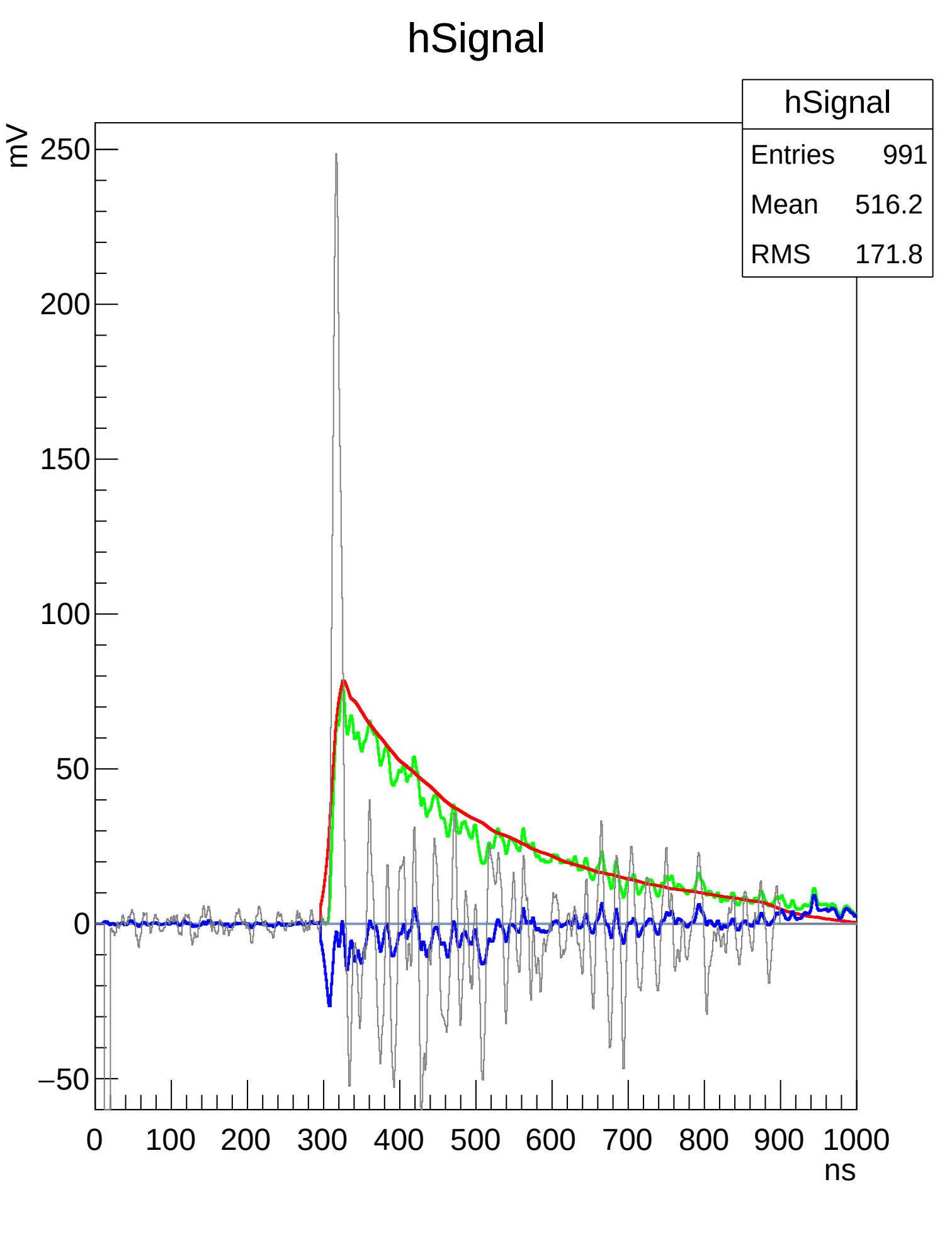

hSignal
hSignal
Entries 991
Mean 570.1
RMS 155.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

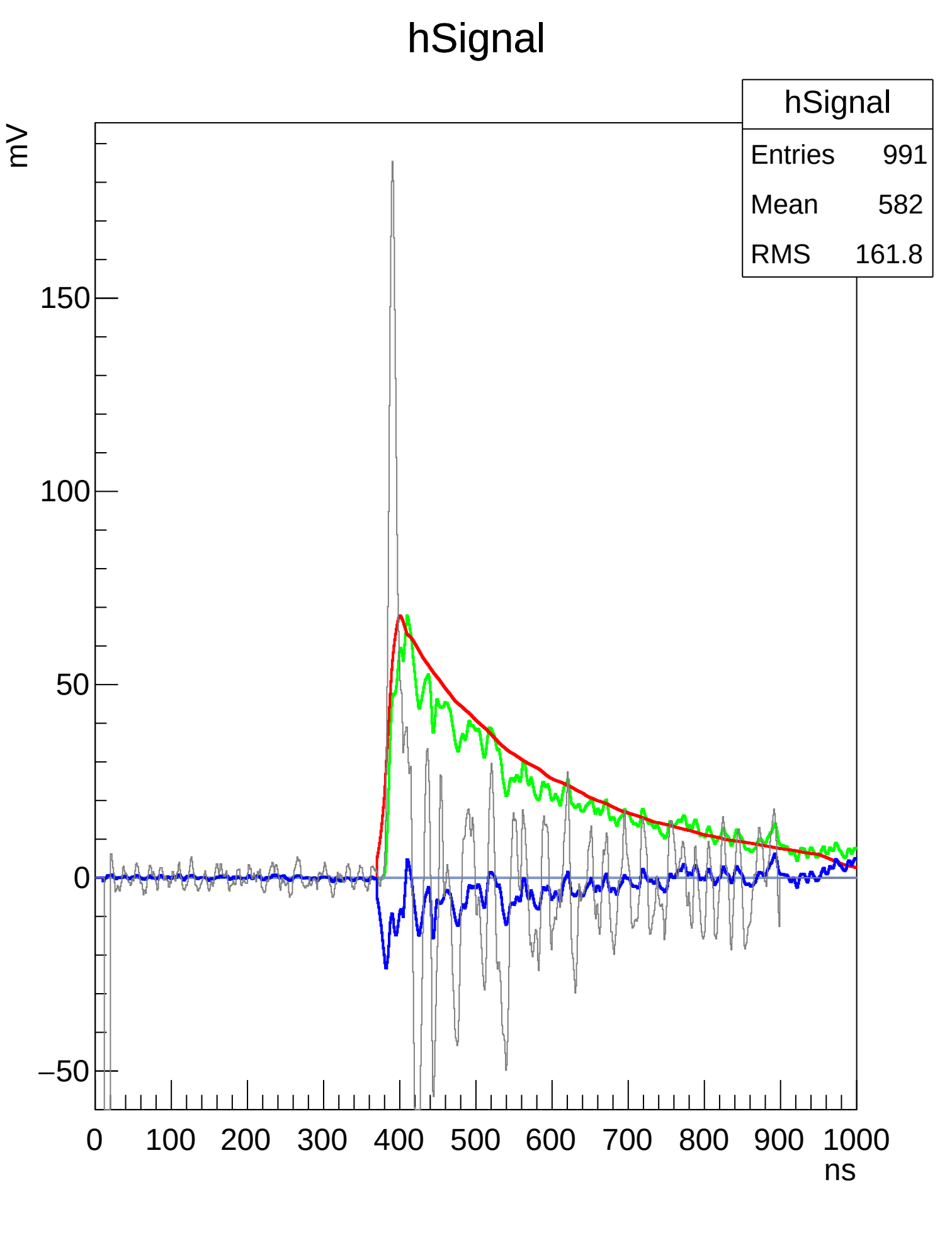

hSignal
hSignal
Entries 991
Mean 570.2
RMS 162.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

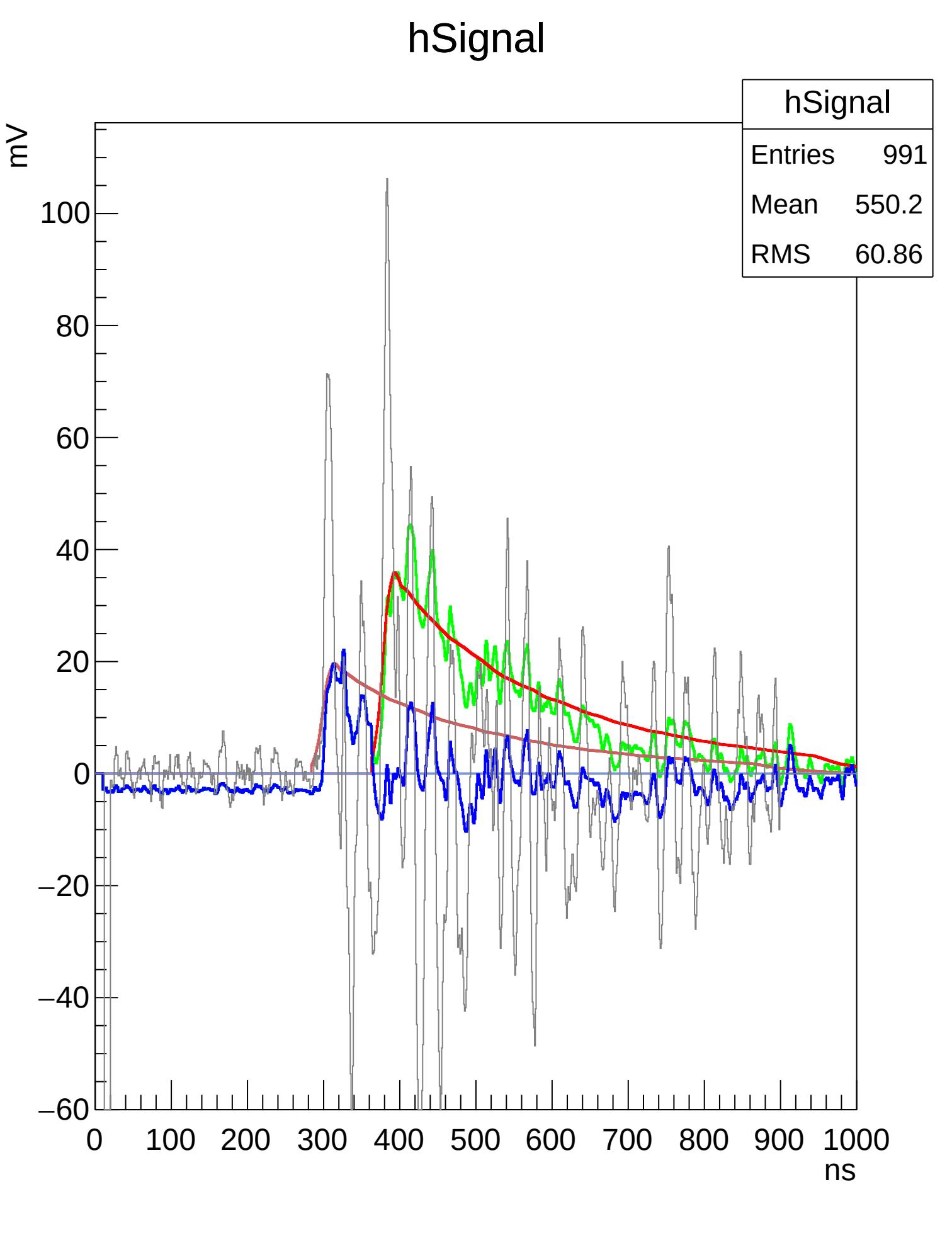

hSignal
hSignal
Entries 991
Mean 585.6
RMS 161.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

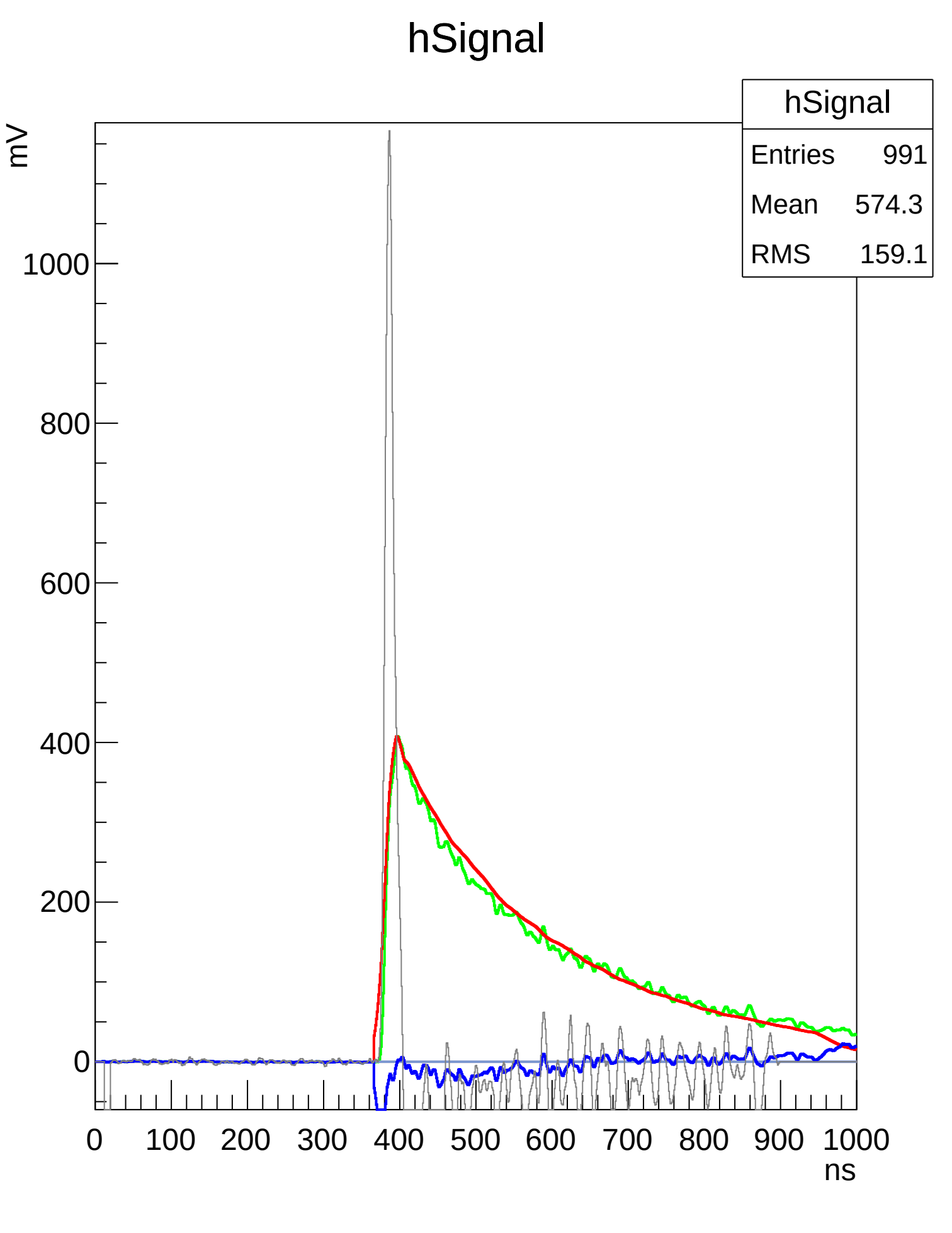

hSignal
hSignal
Entries 991
Mean 581.6
RMS 157.1
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

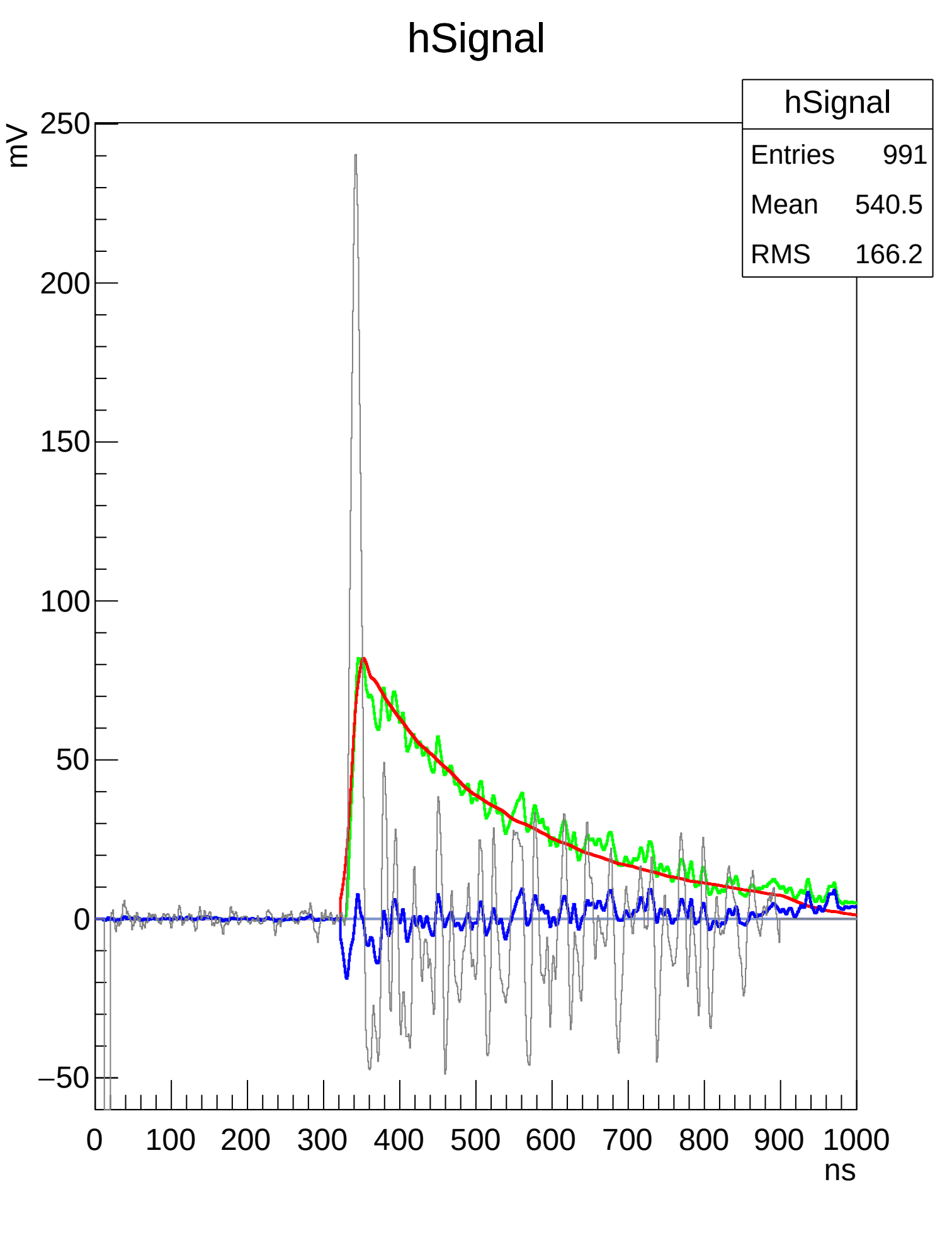

hSignal
hSignal
Entries 991
Mean 512.7
RMS 172.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

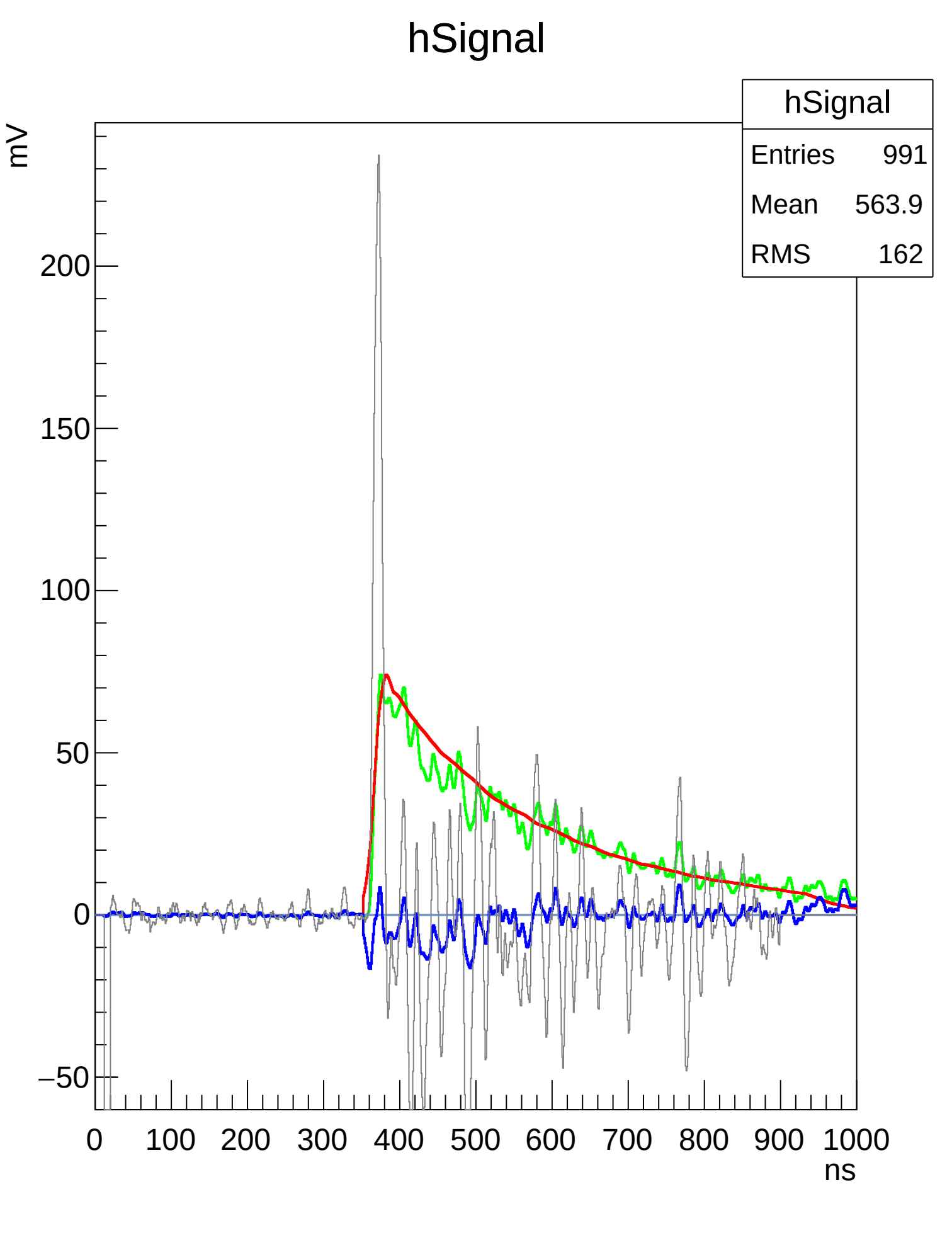

hSignal
hSignal
Entries 991
Mean 516.2
RMS 171.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

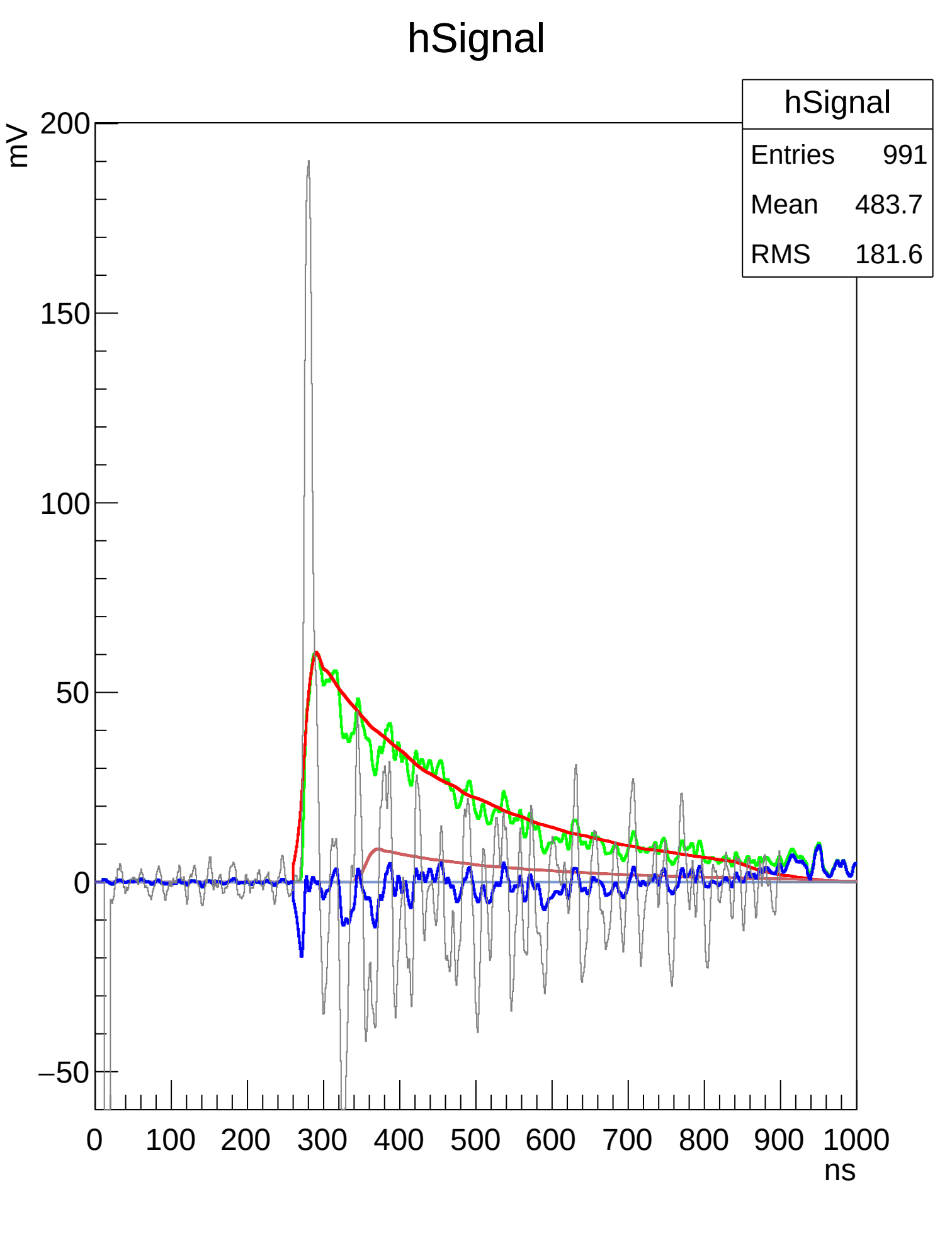

hSignal
hSignal
Entries 991
Mean 582
RMS 161.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

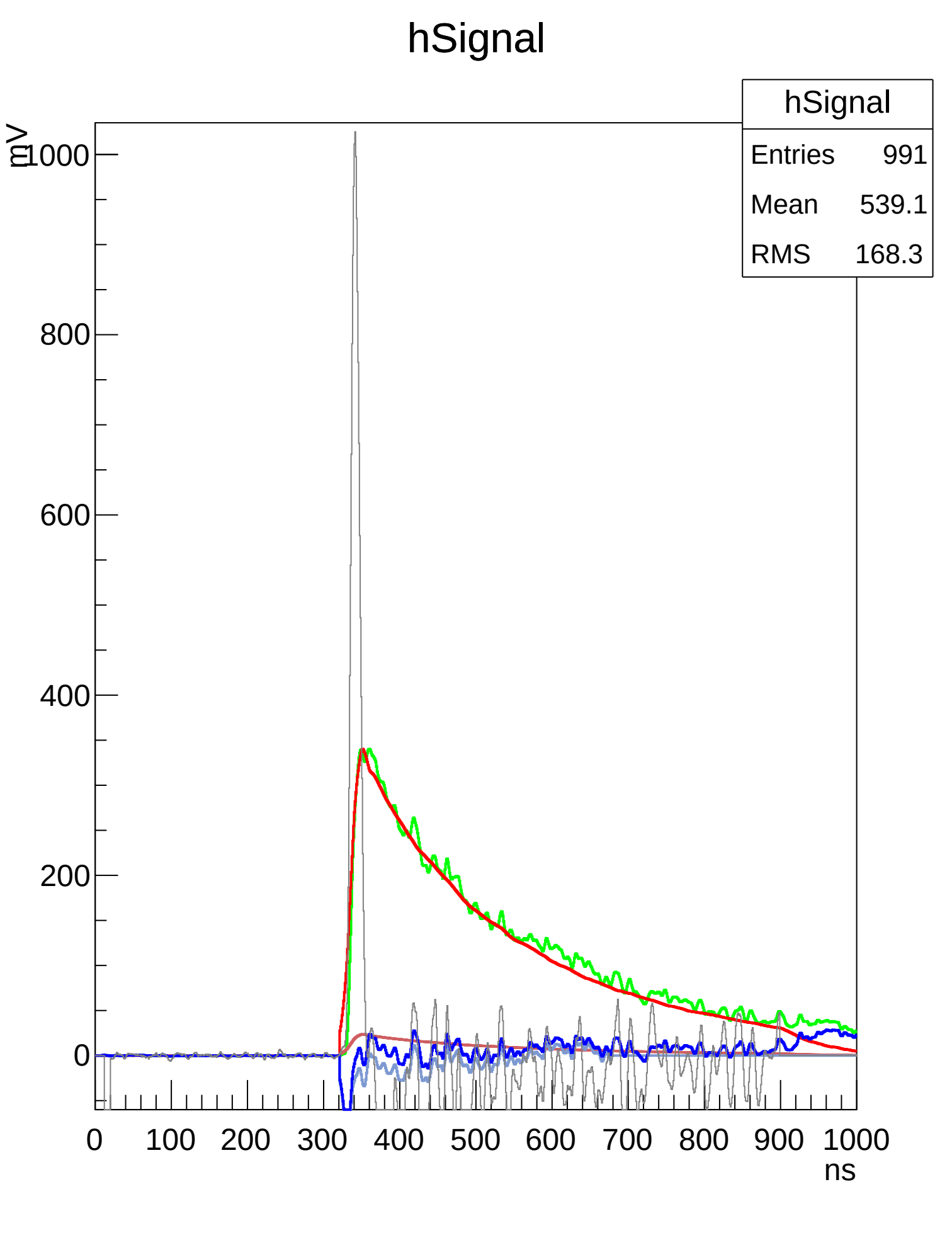

hSignal
hSignal
Entries 991
Mean 550.2
RMS 60.86
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

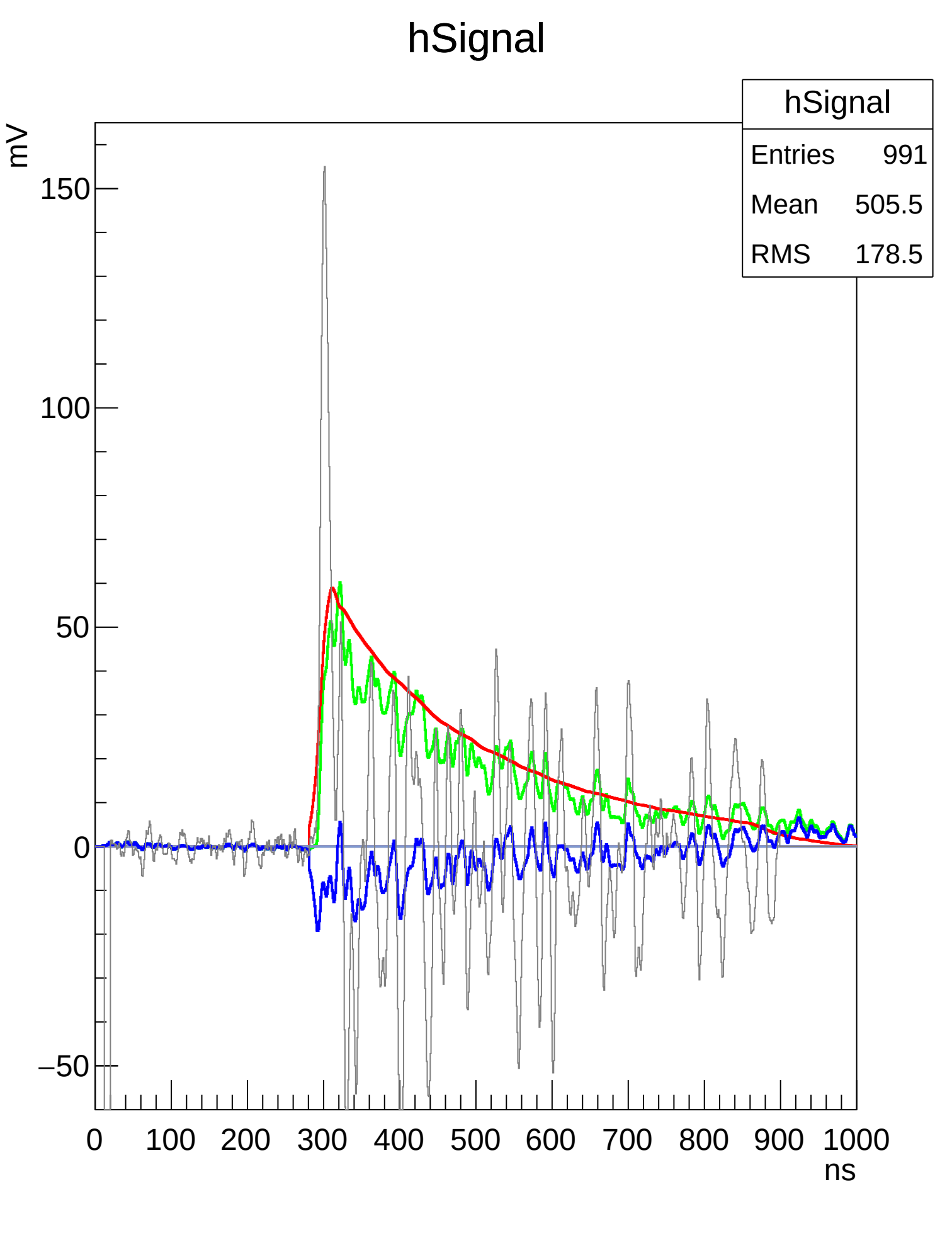

hSignal
hSignal
Entries 991
Mean 574.3
RMS 159.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

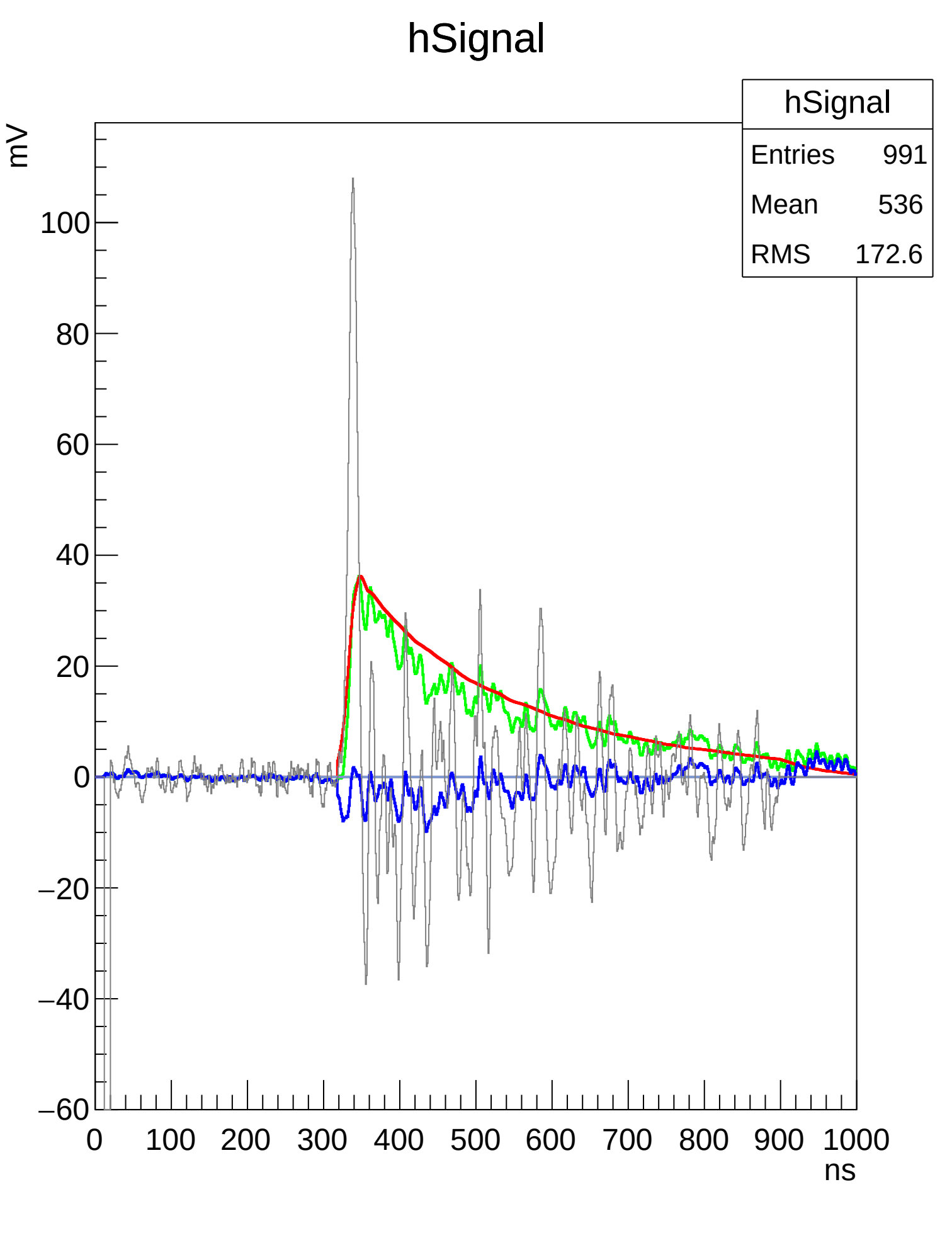

hSignal
hSignal
Entries 991
Mean 540.5
RMS 166.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

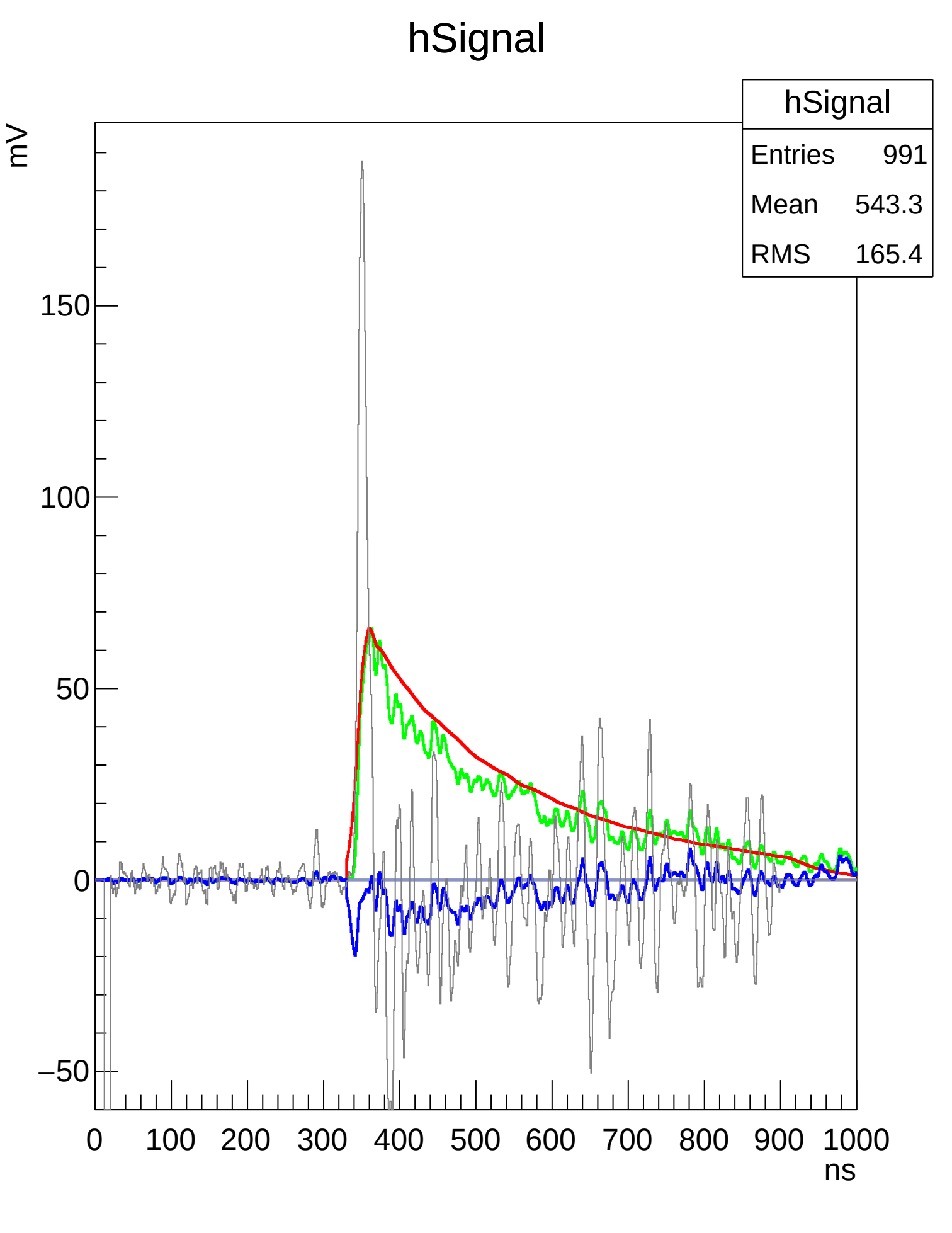

hSignal
hSignal
Entries 991
Mean 563.9
RMS 162
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

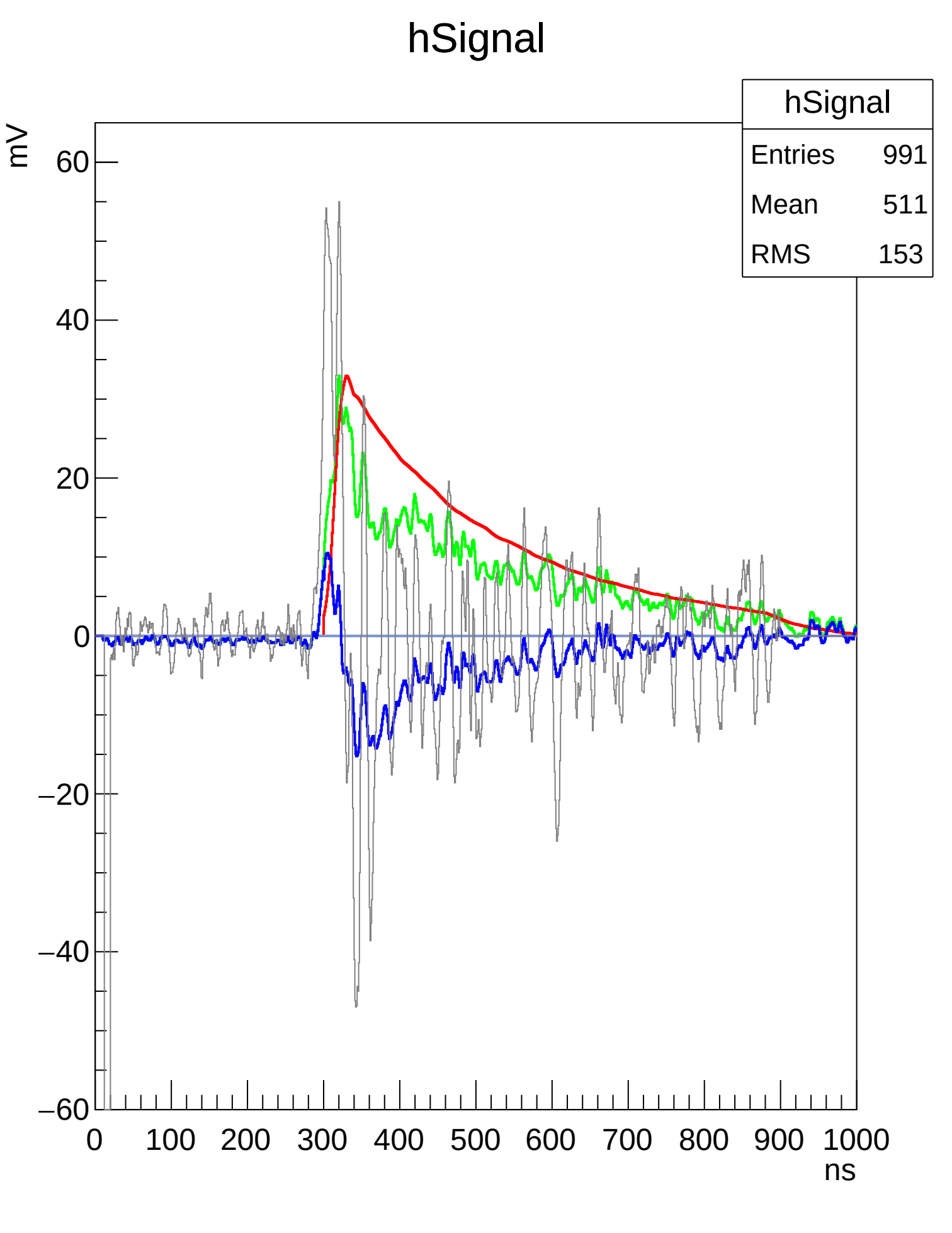

hSignal
hSignal
Entries 991
Mean 483.7
RMS 181.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

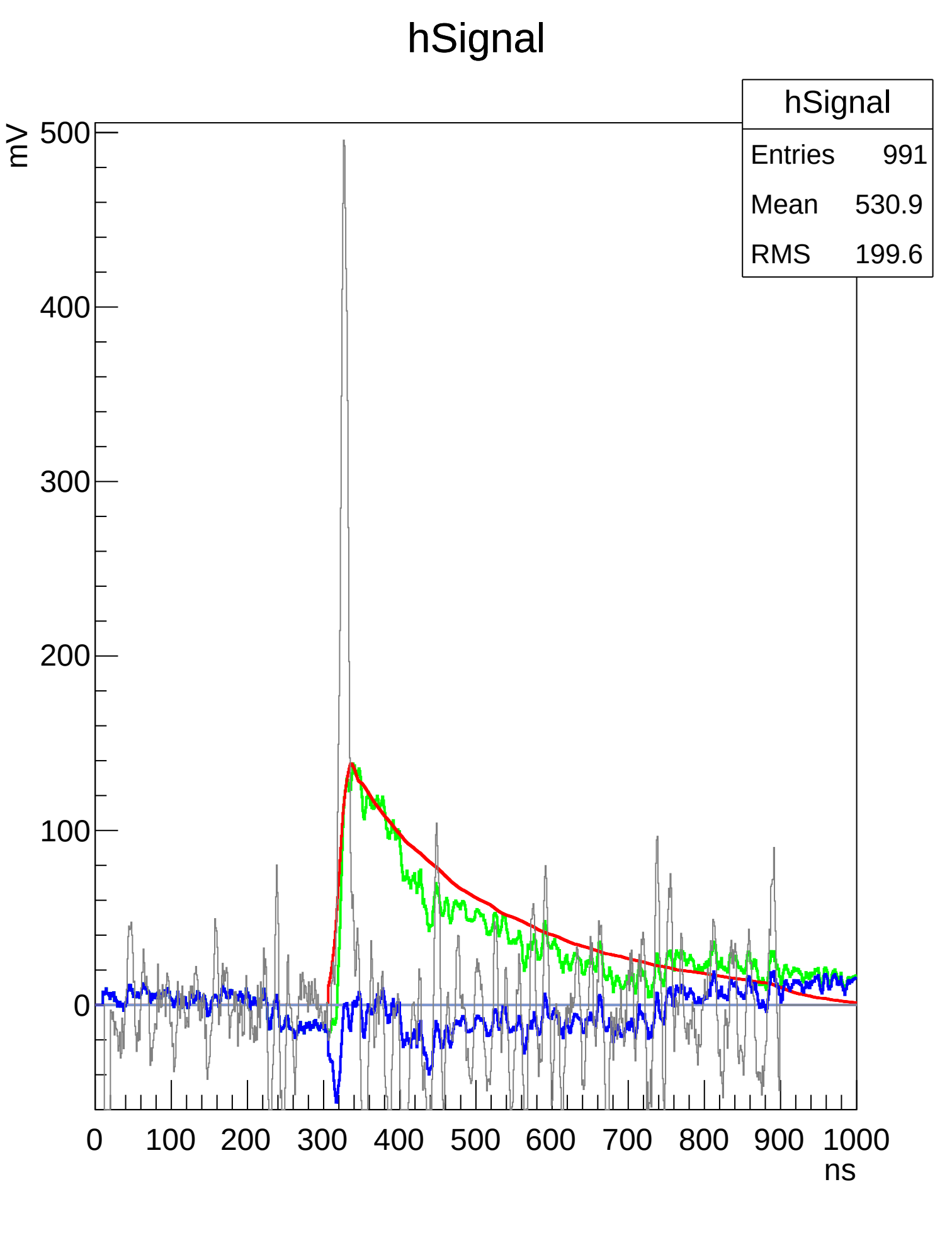

hSignal
hSignal
Entries 991
Mean 539.1
RMS 168.3
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

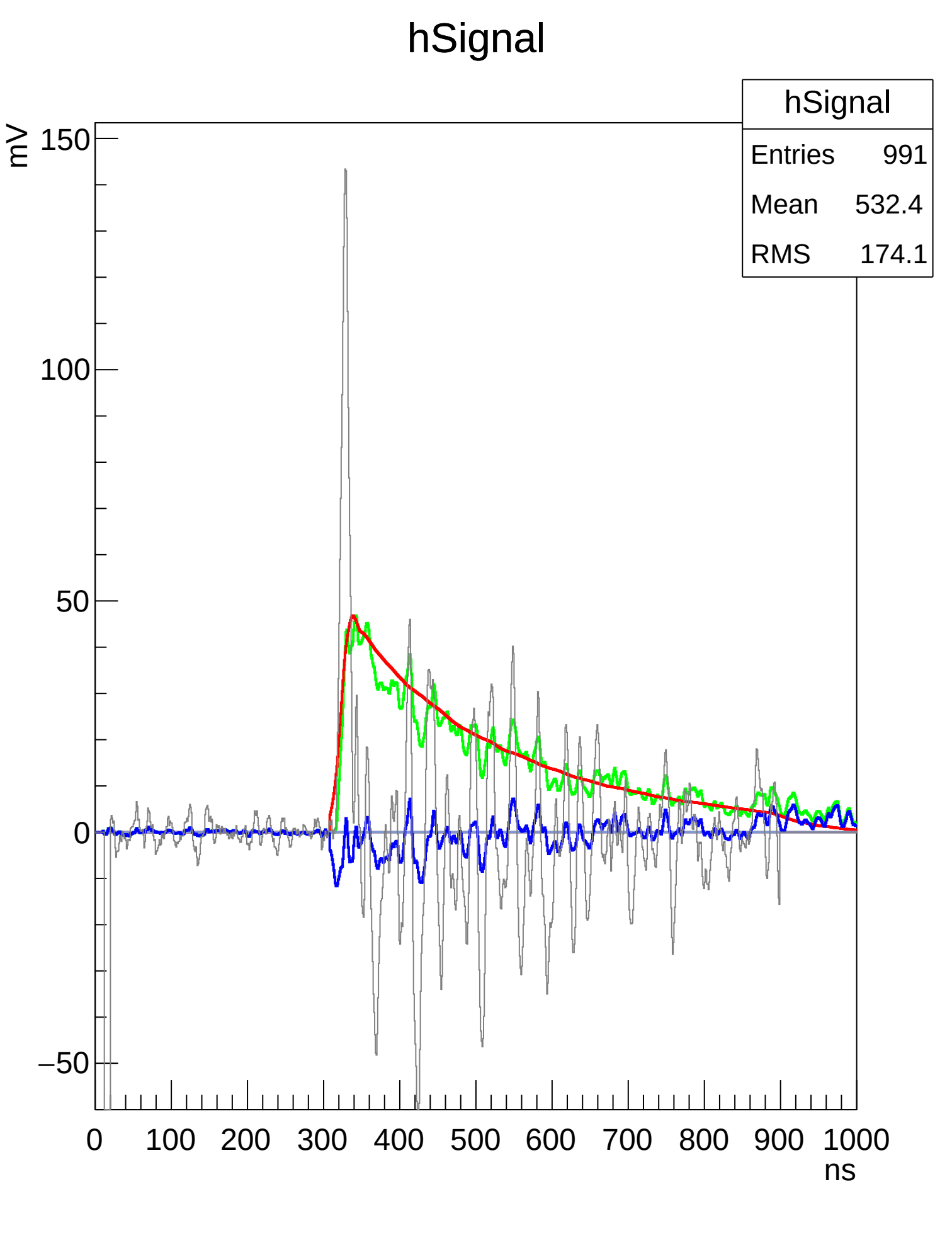

hSignal
hSignal
Entries 991
Mean 505.5
RMS 178.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

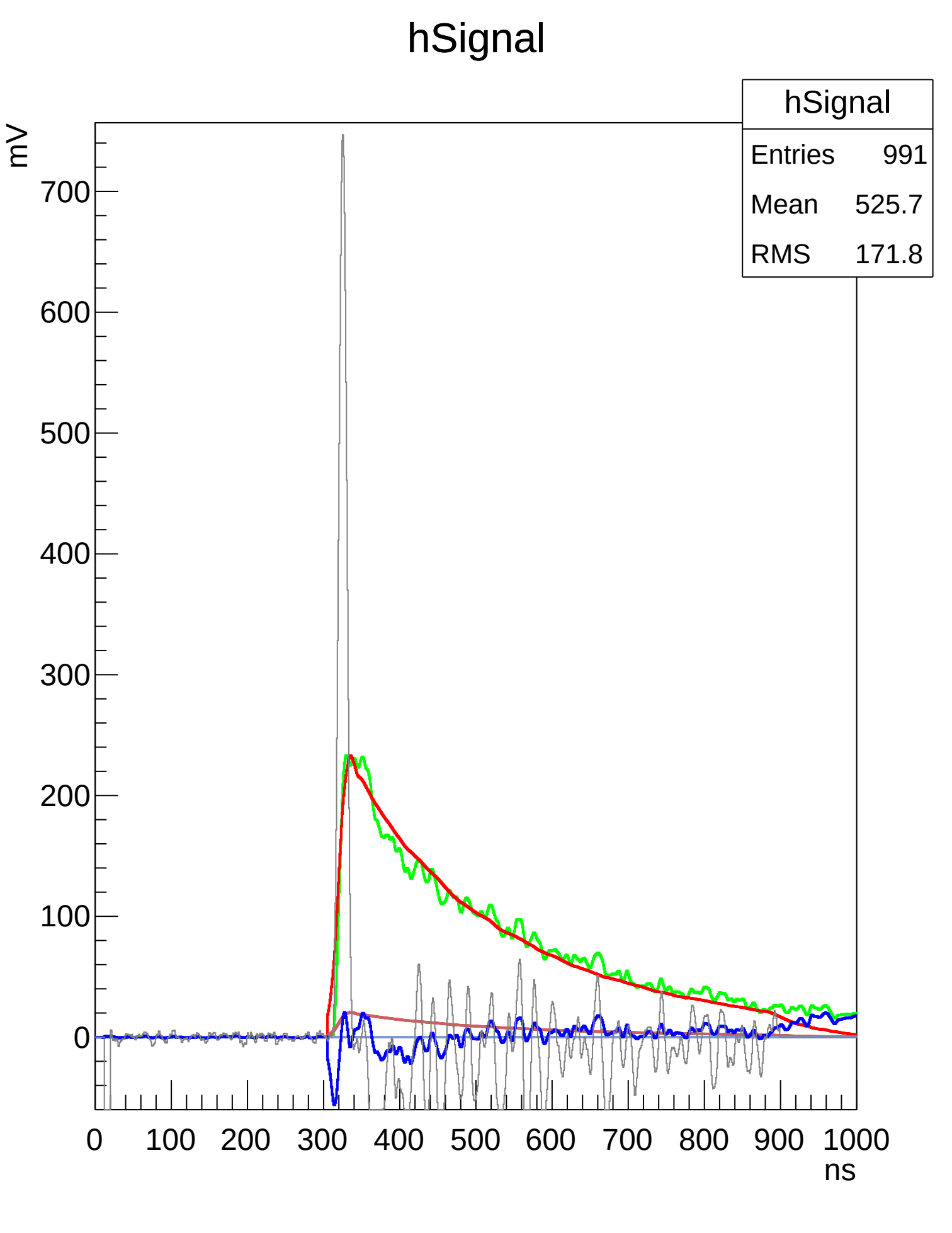

hSignal
hSignal
Entries 991
Mean 536
RMS 172.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

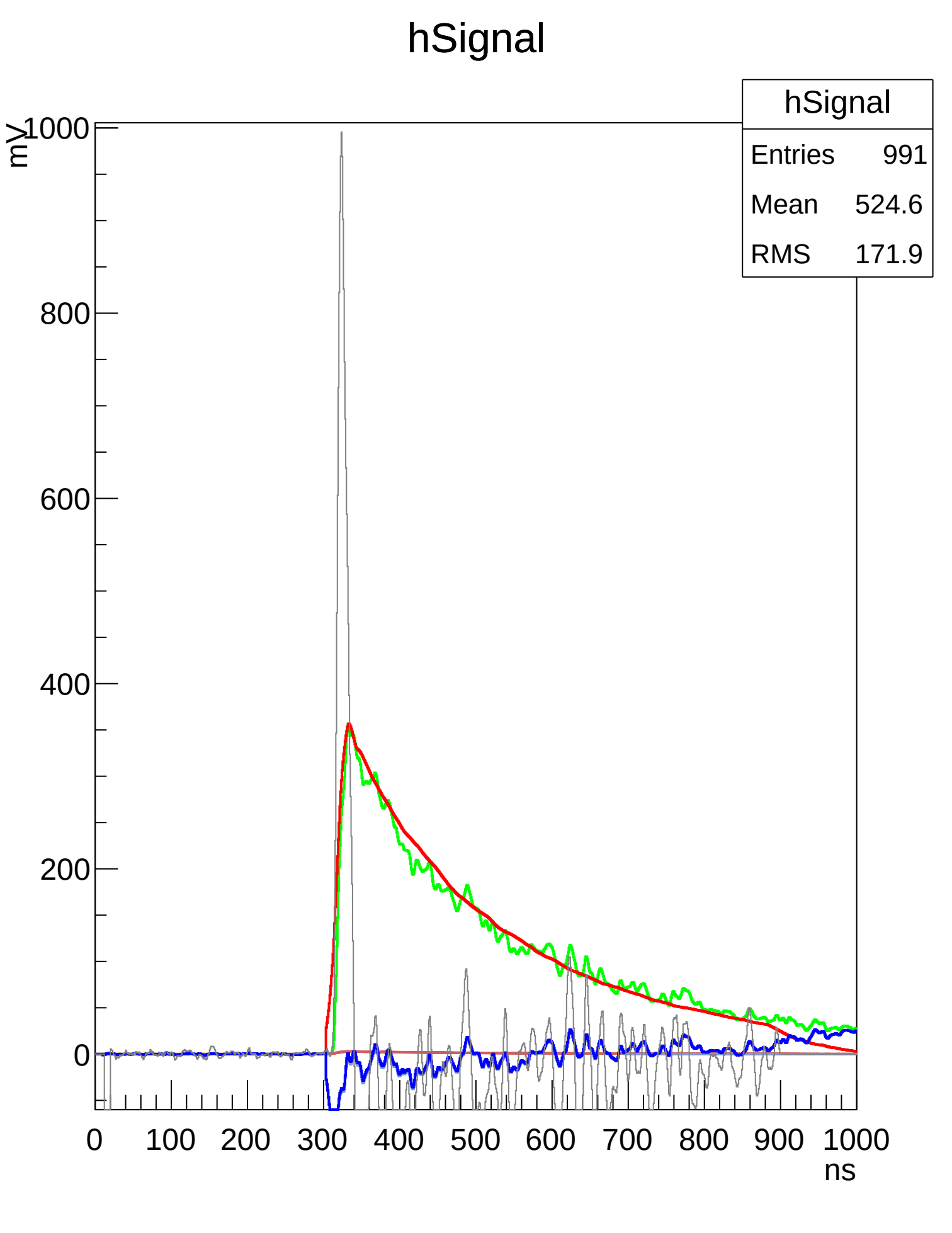

hSignal
hSignal
Entries 991
Mean 543.3
RMS 165.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

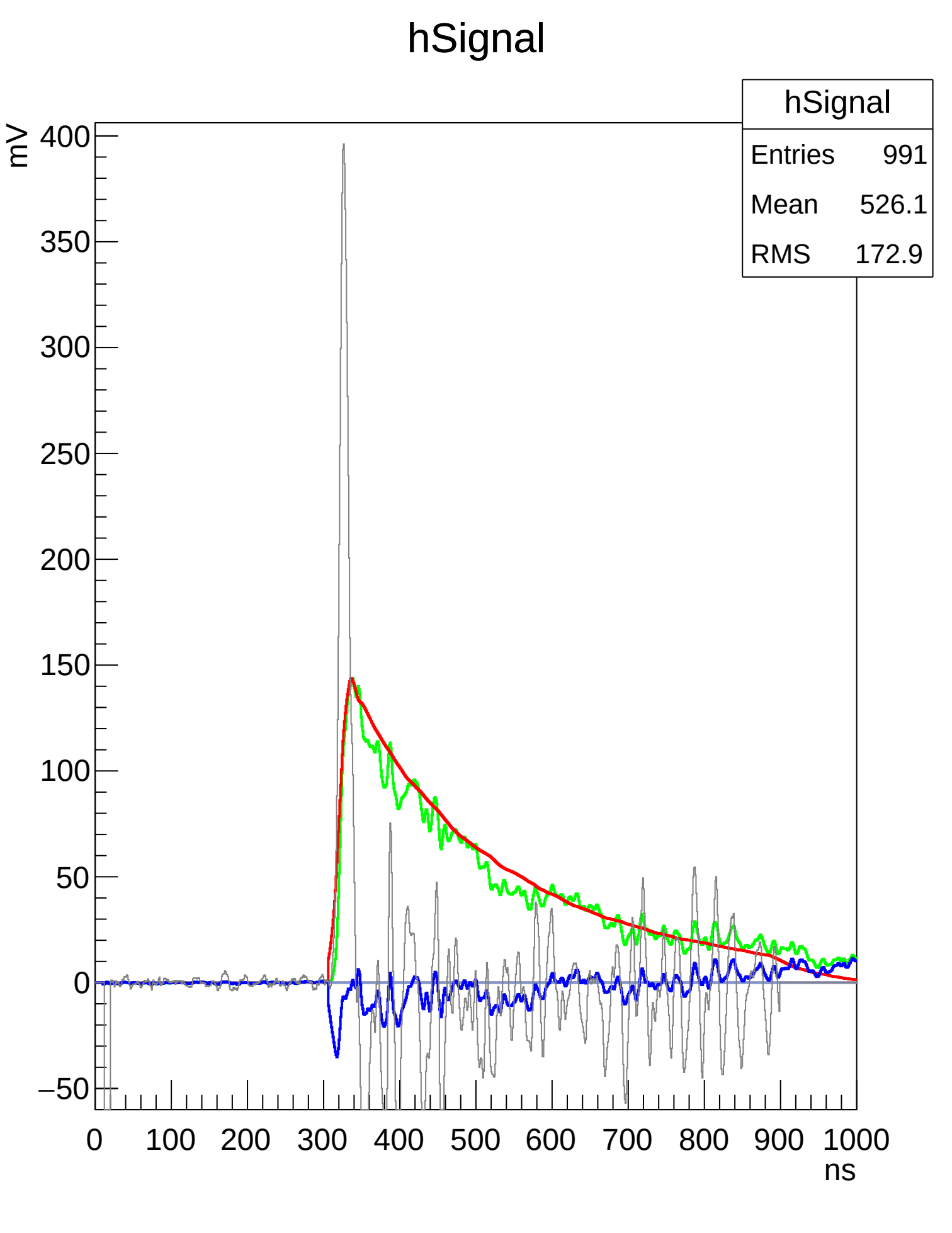

hSignal
hSignal
Entries 991
Mean 511
RMS 153
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

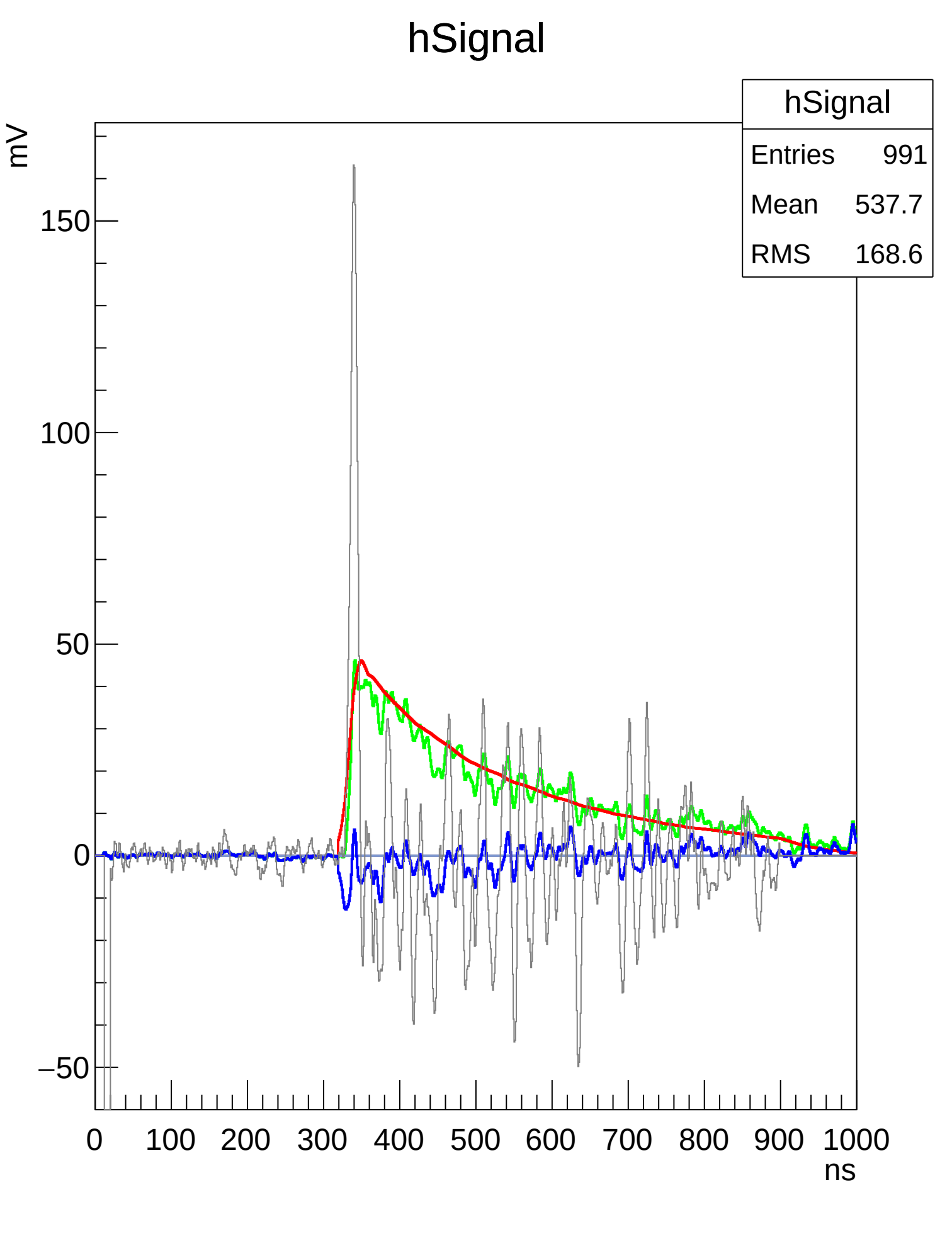

hSignal
hSignal
Entries 991
Mean 530.9
RMS 199.6
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

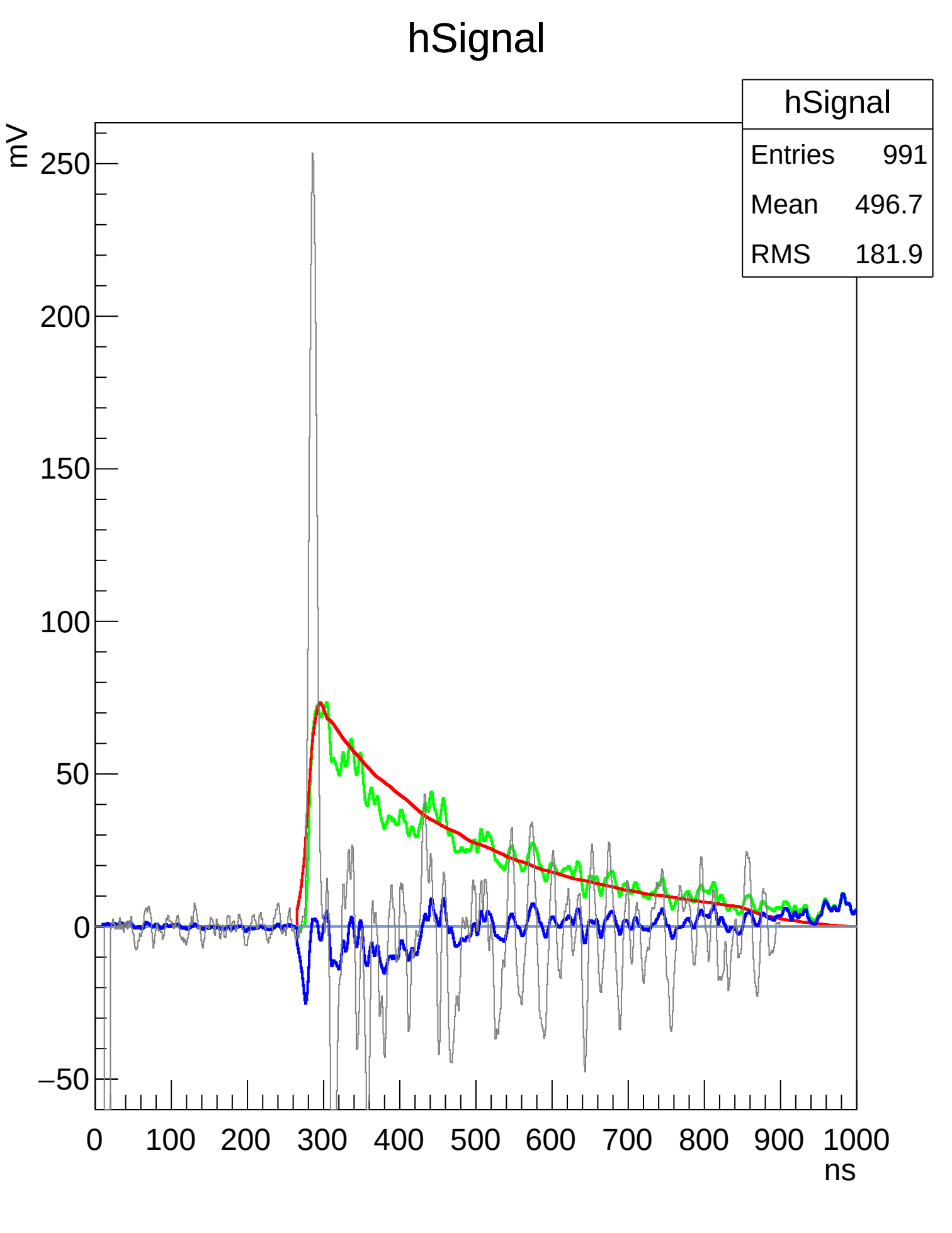

hSignal
hSignal
Entries 991
Mean 532.4
RMS 174.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

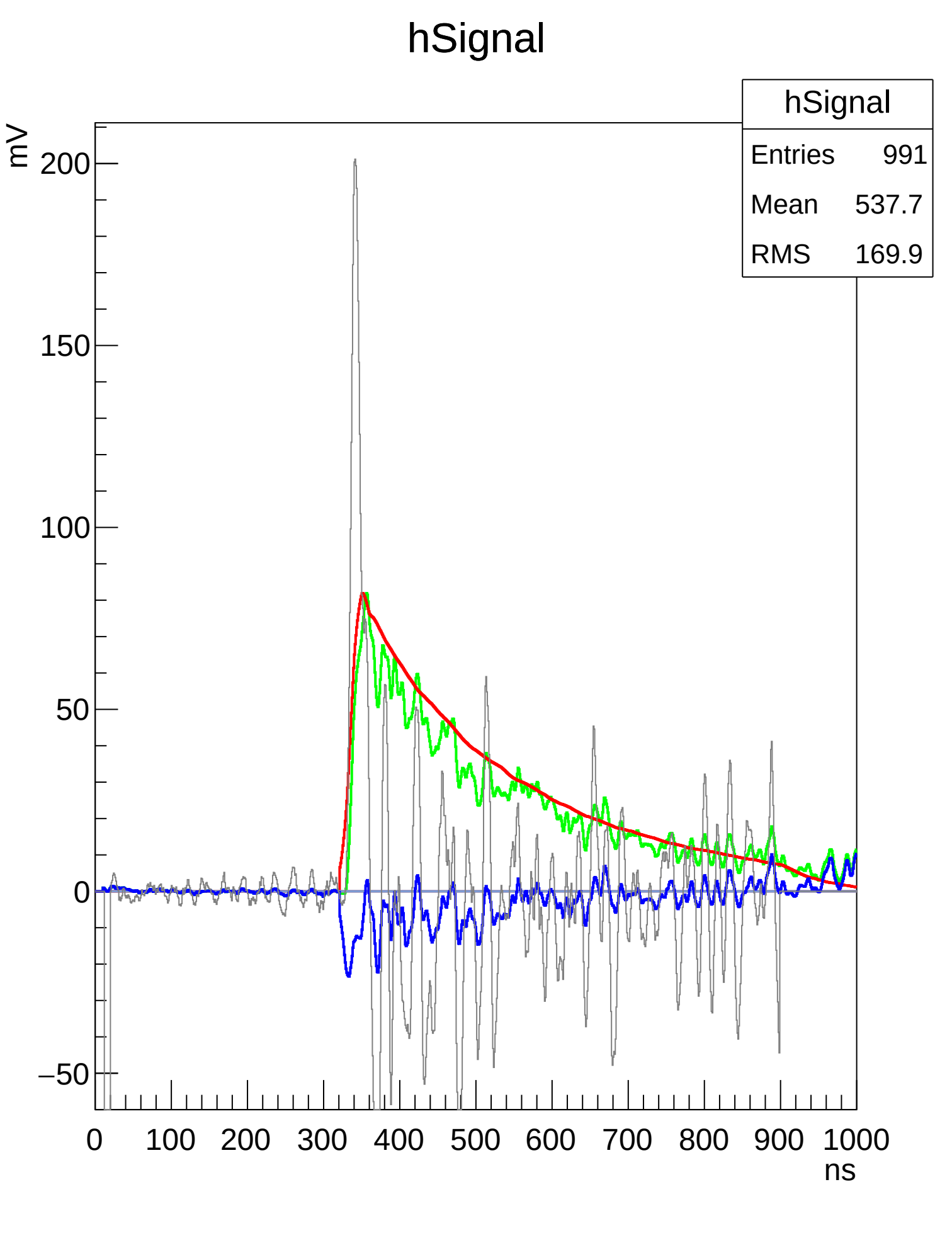

hSignal
hSignal
Entries 991
Mean 525.7
RMS 171.8
mV
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

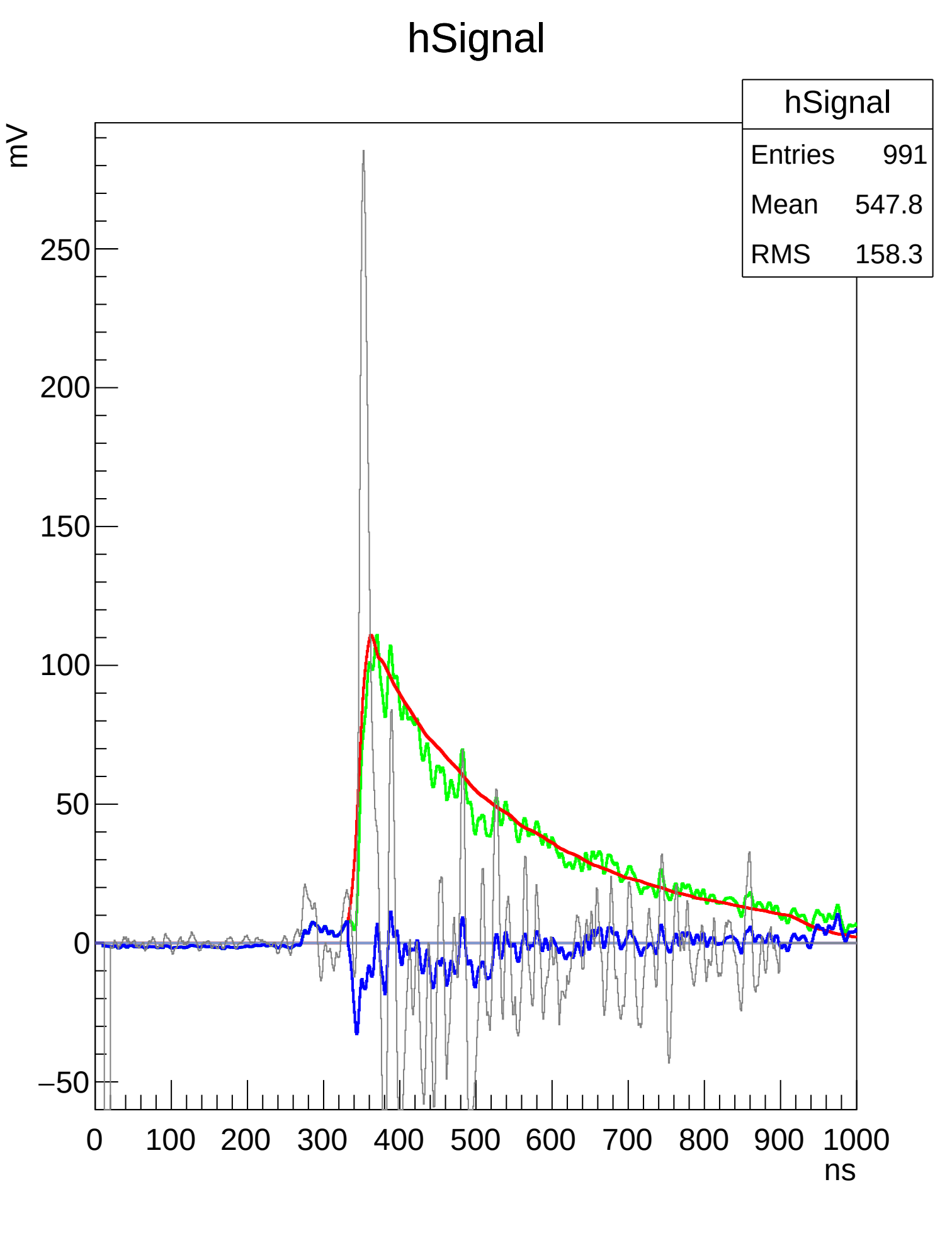

hSignal
hSignal
Entries 991
Mean 524.6
RMS 171.9
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

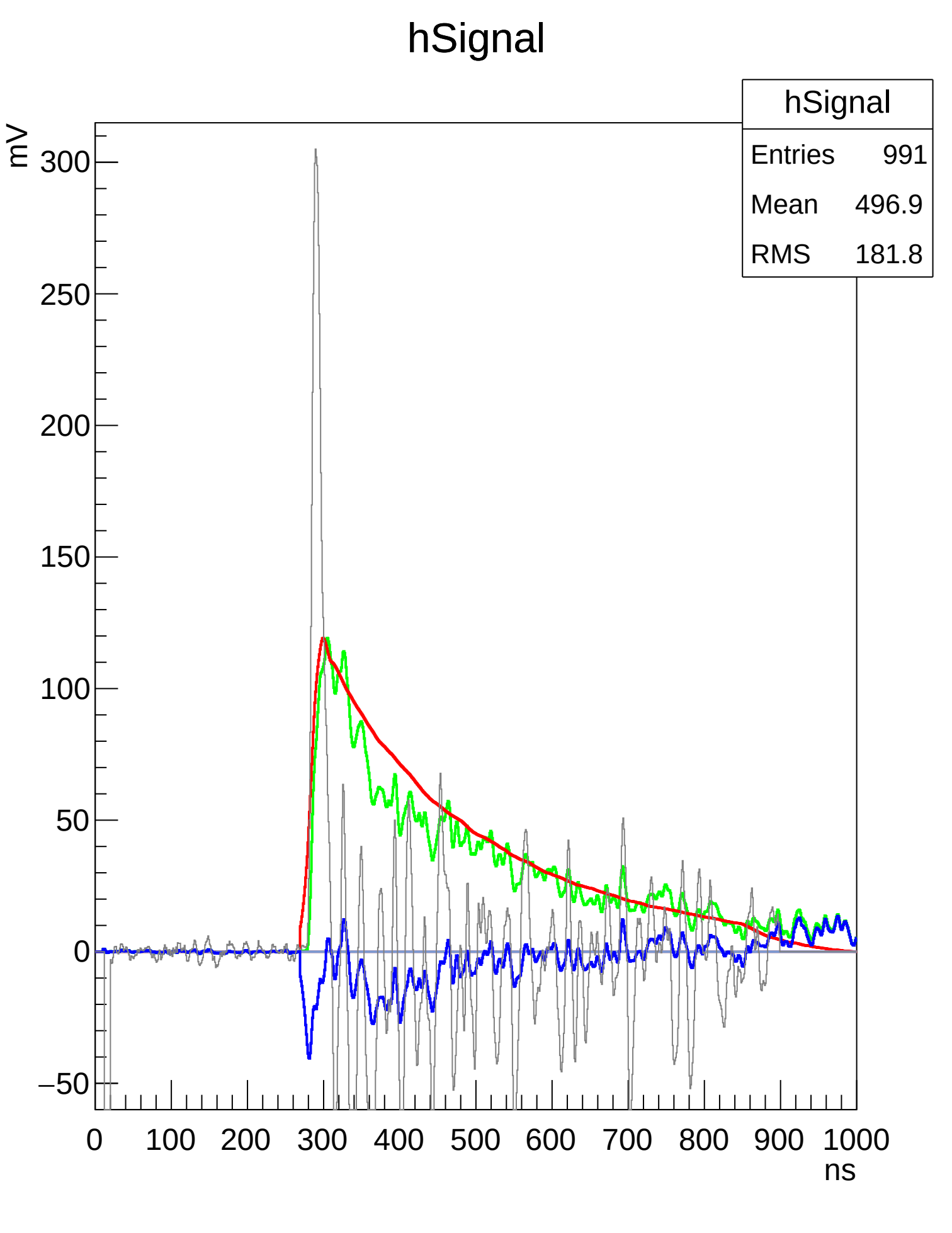

hSignal
hSignal
Entries 991
Mean 526.1
RMS 172.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

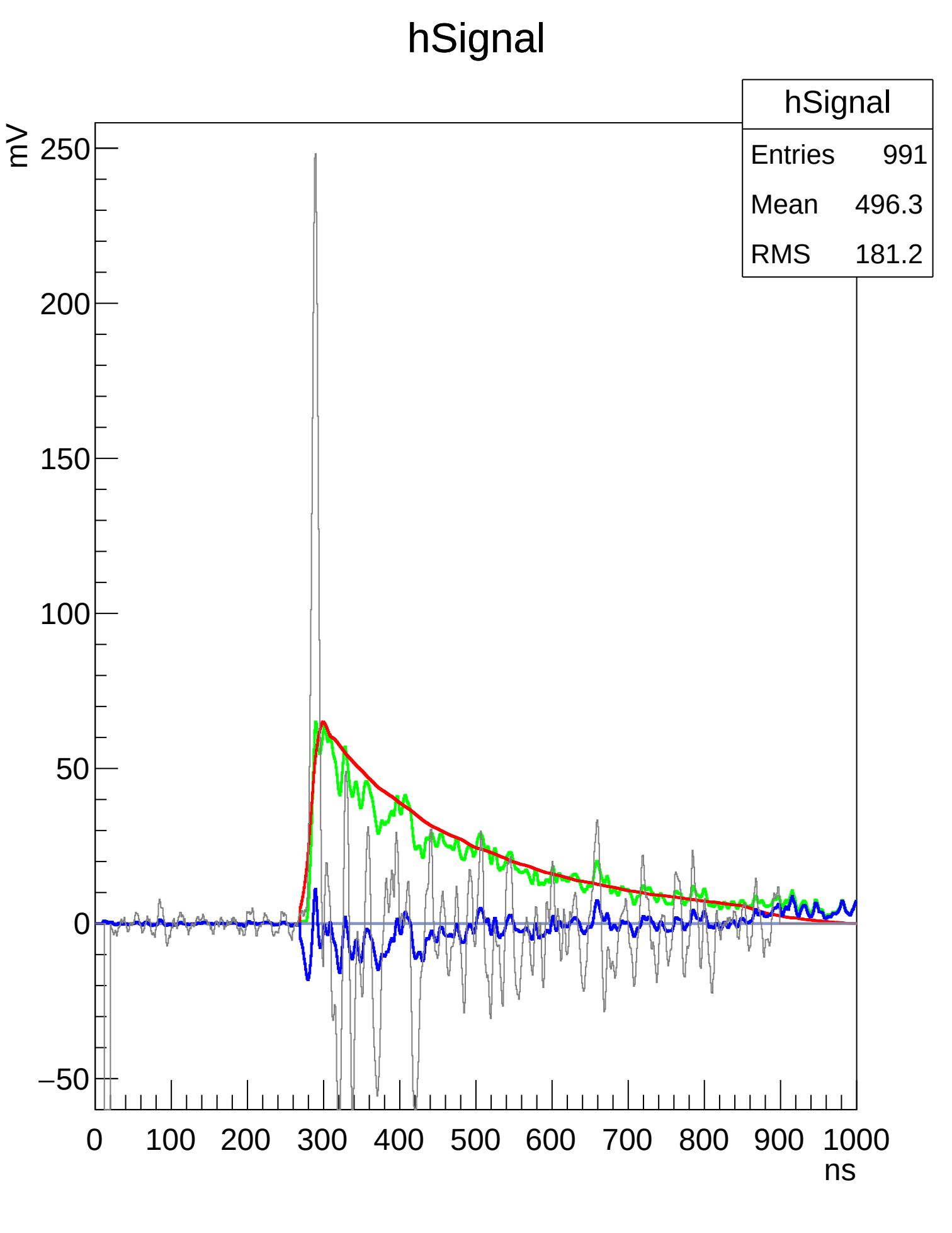

hSignal
hSignal
Entries 991
Mean 537.7
RMS 168.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

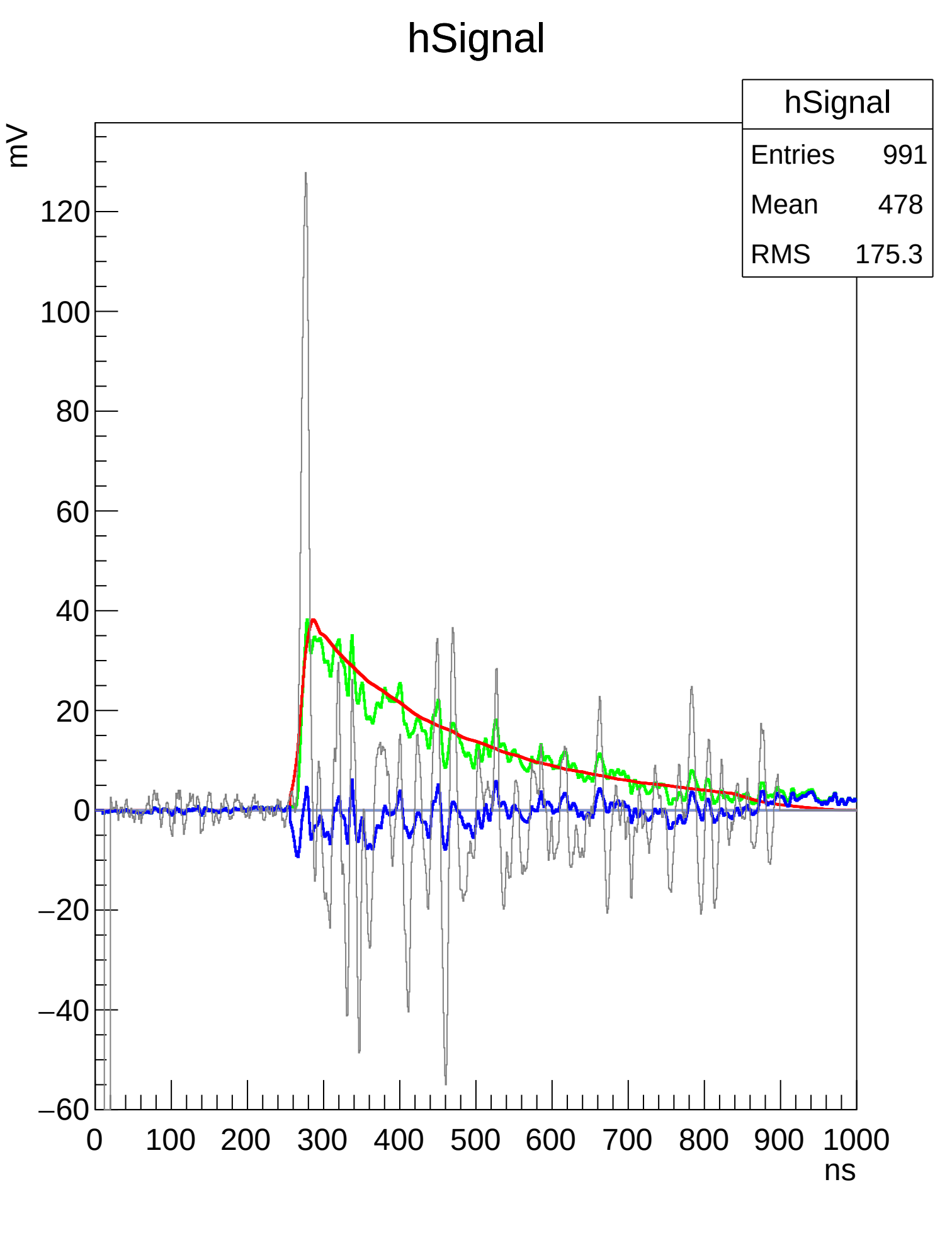

hSignal
hSignal
Entries 991
Mean 496.7
RMS 181.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

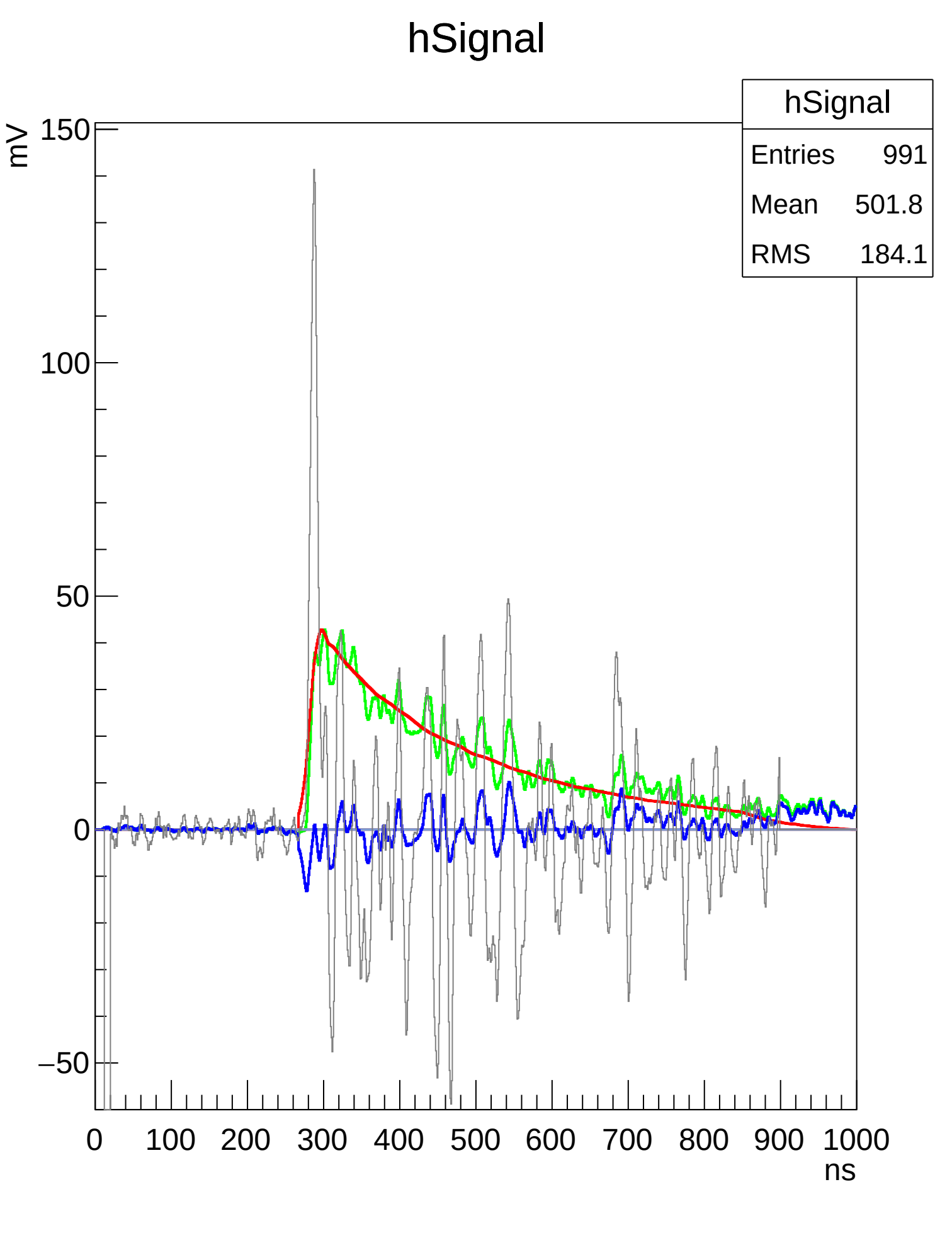

hSignal
hSignal
Entries 991
Mean 537.7
RMS 169.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

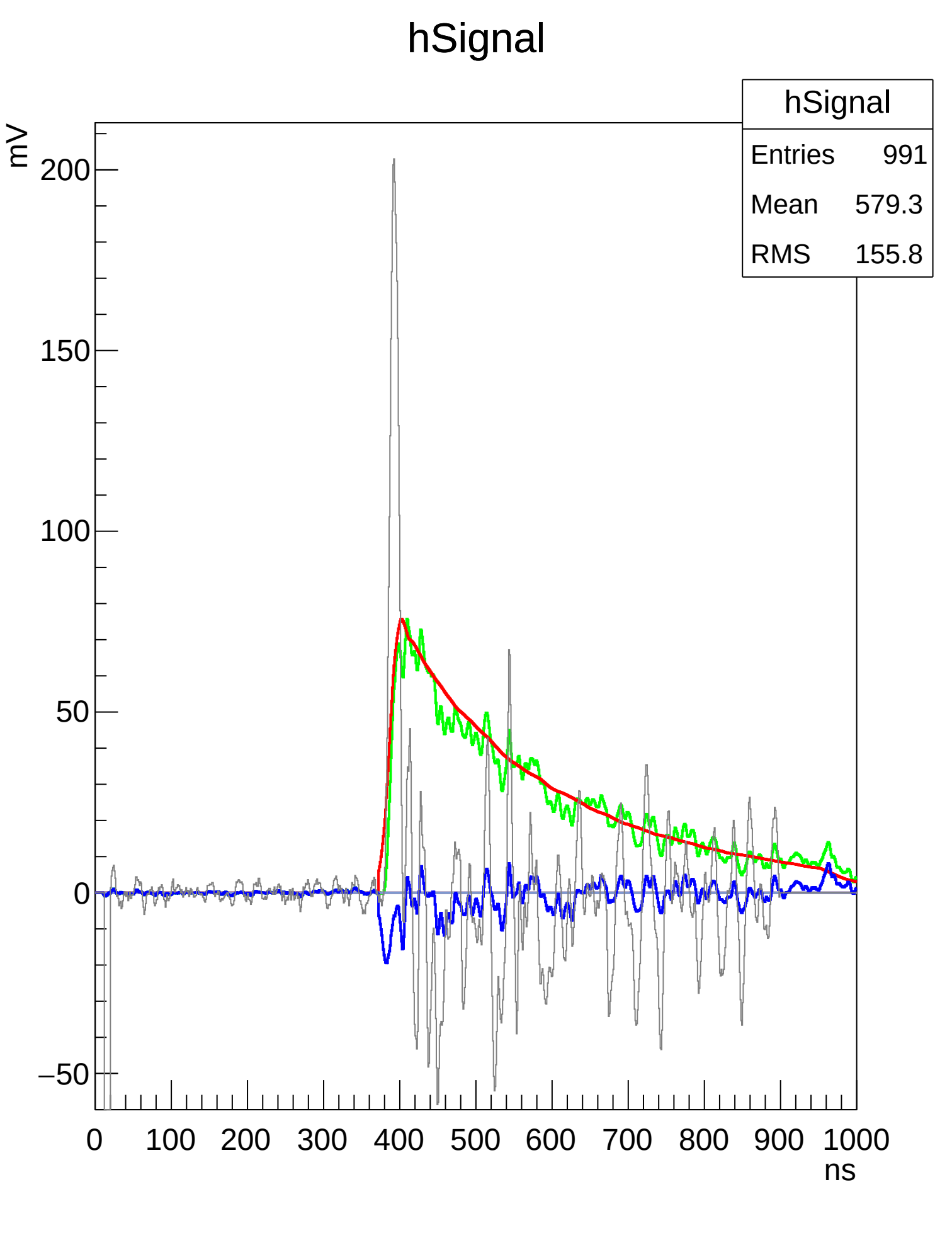

hSignal
hSignal
Entries 991
Mean 547.8
RMS 158.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

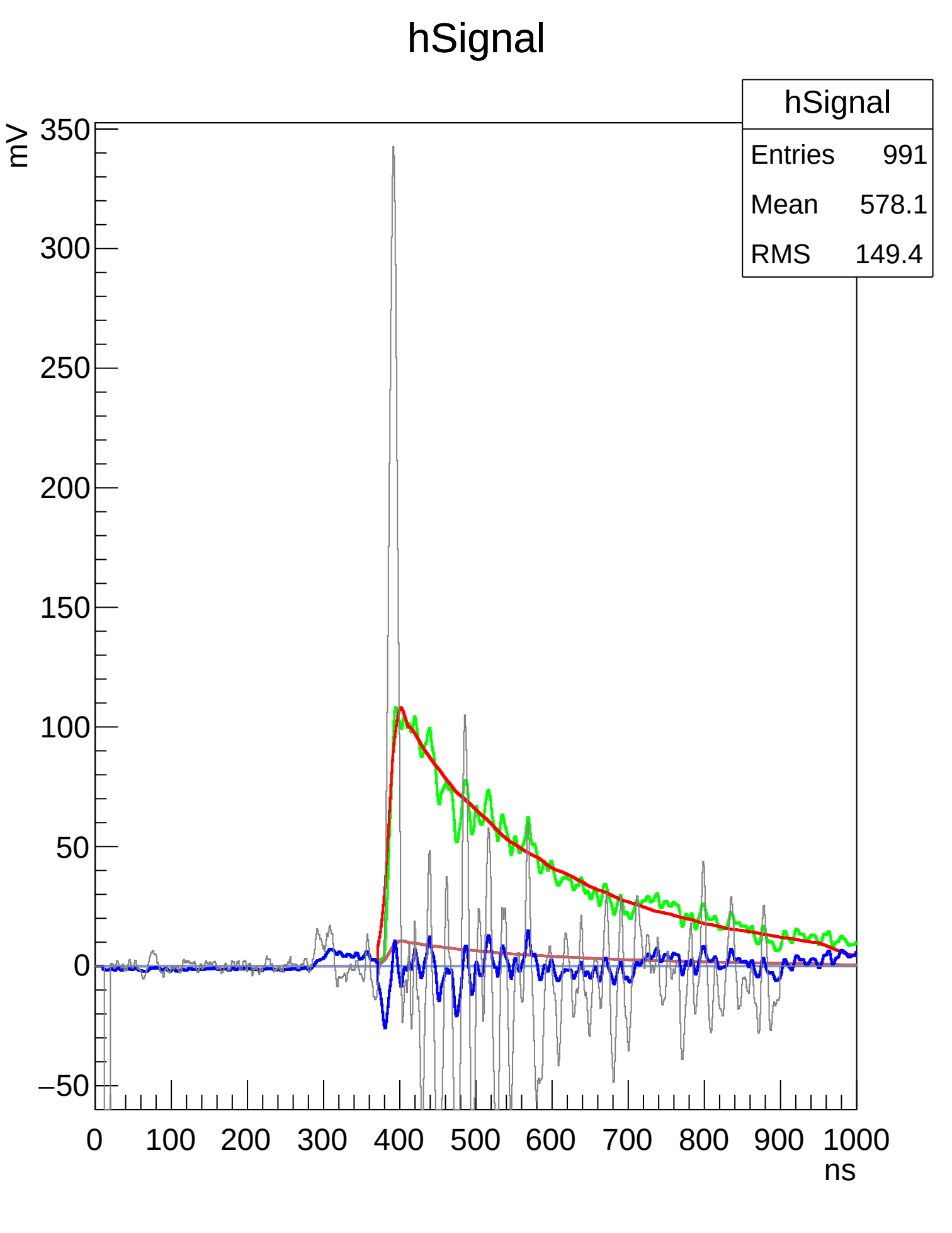

hSignal
hSignal
Entries 991
Mean 496.9
RMS 181.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

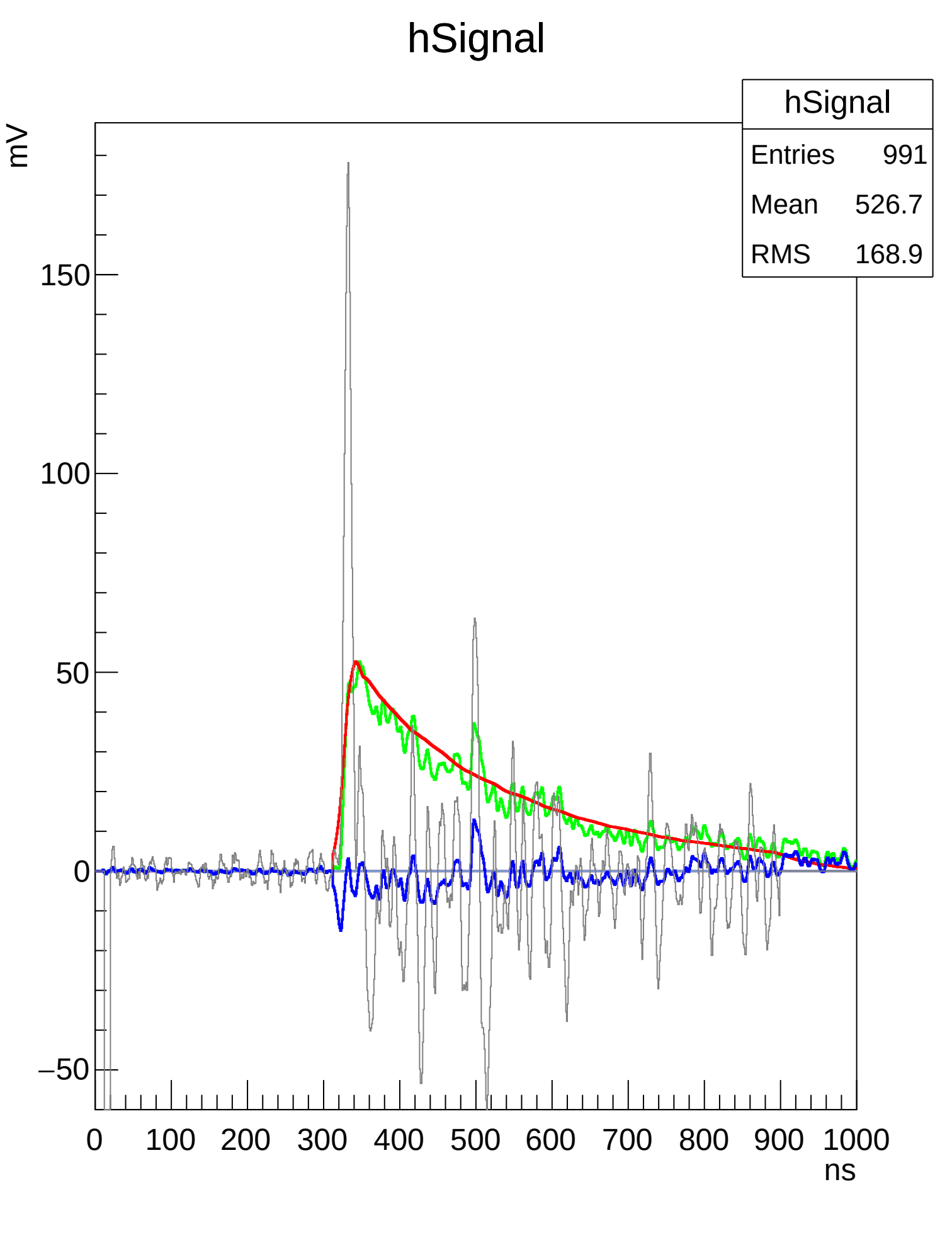

hSignal
hSignal
Entries 991
Mean 496.3
RMS 181.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

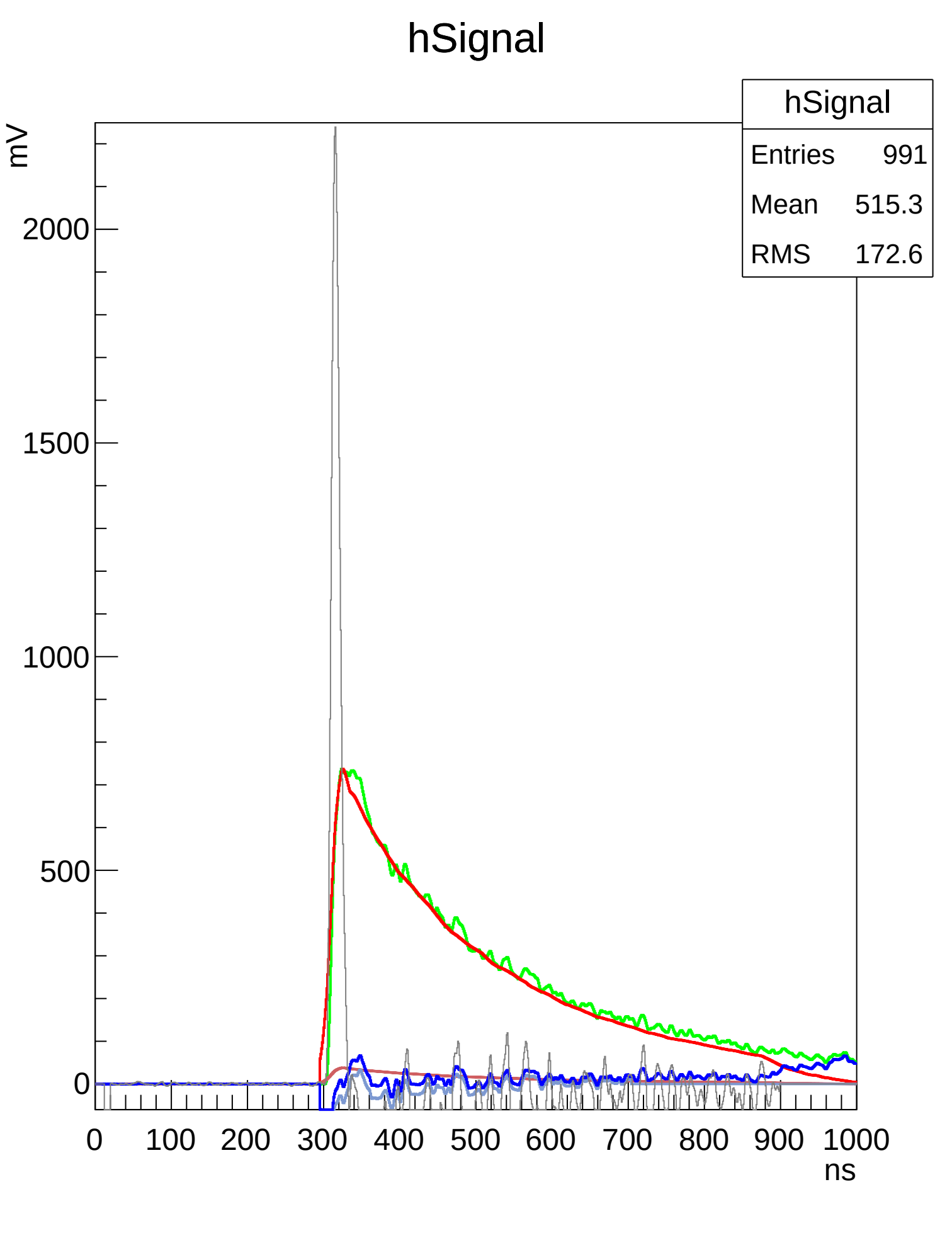

hSignal
hSignal
Entries 991
Mean 478
RMS 175.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

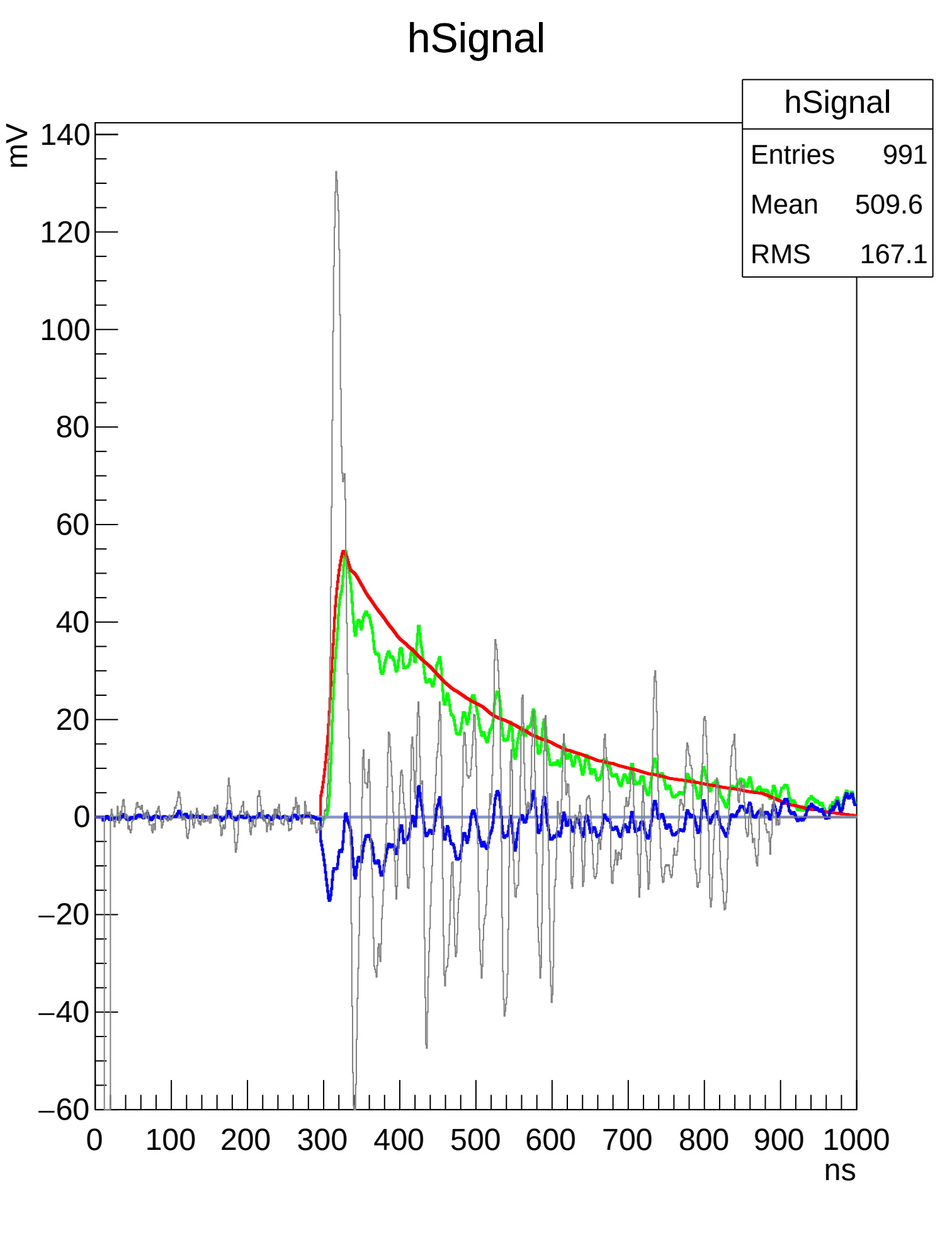

hSignal
hSignal
Entries 991
Mean 501.8
RMS 184.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

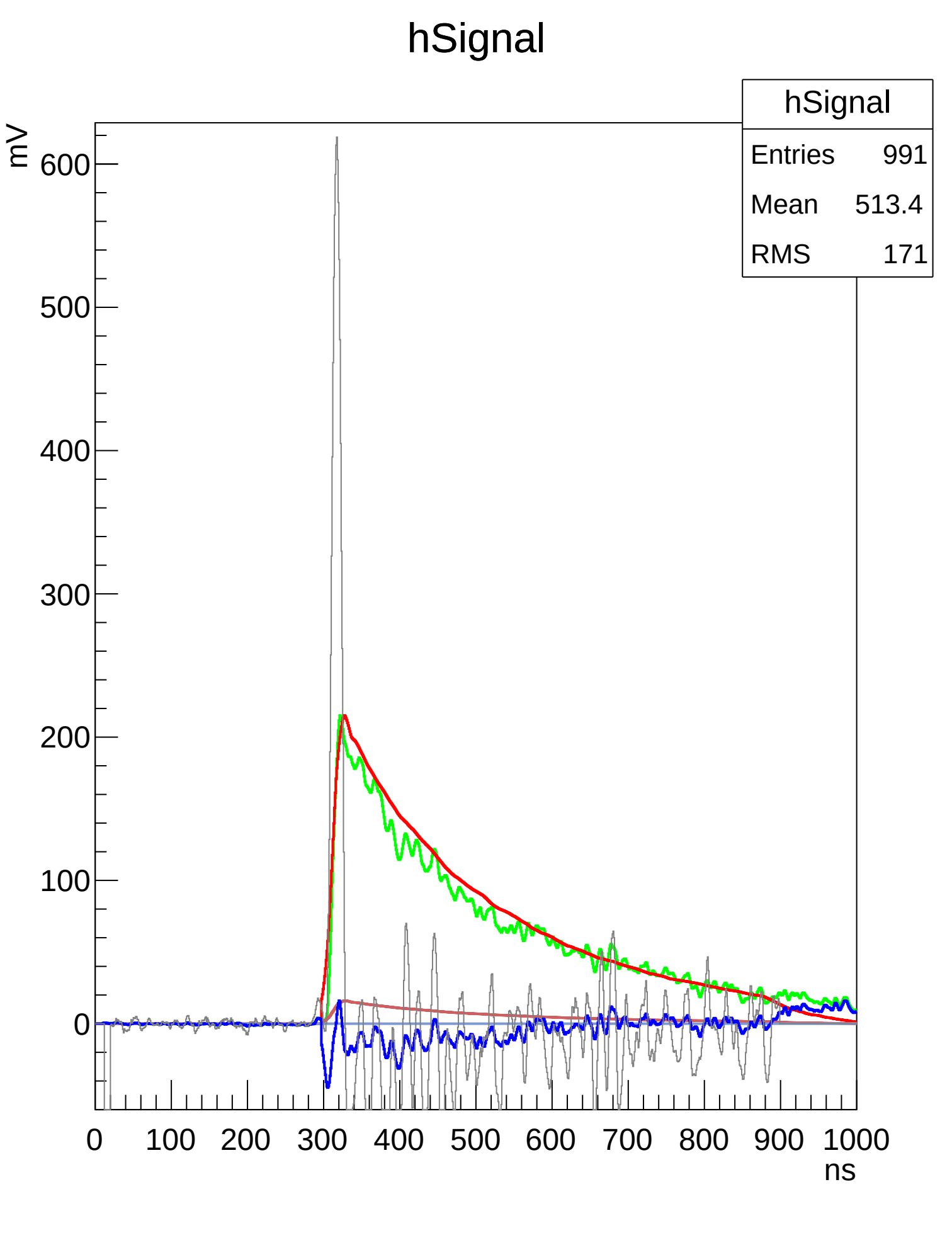

hSignal
hSignal
Entries 991
Mean 579.3
RMS 155.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

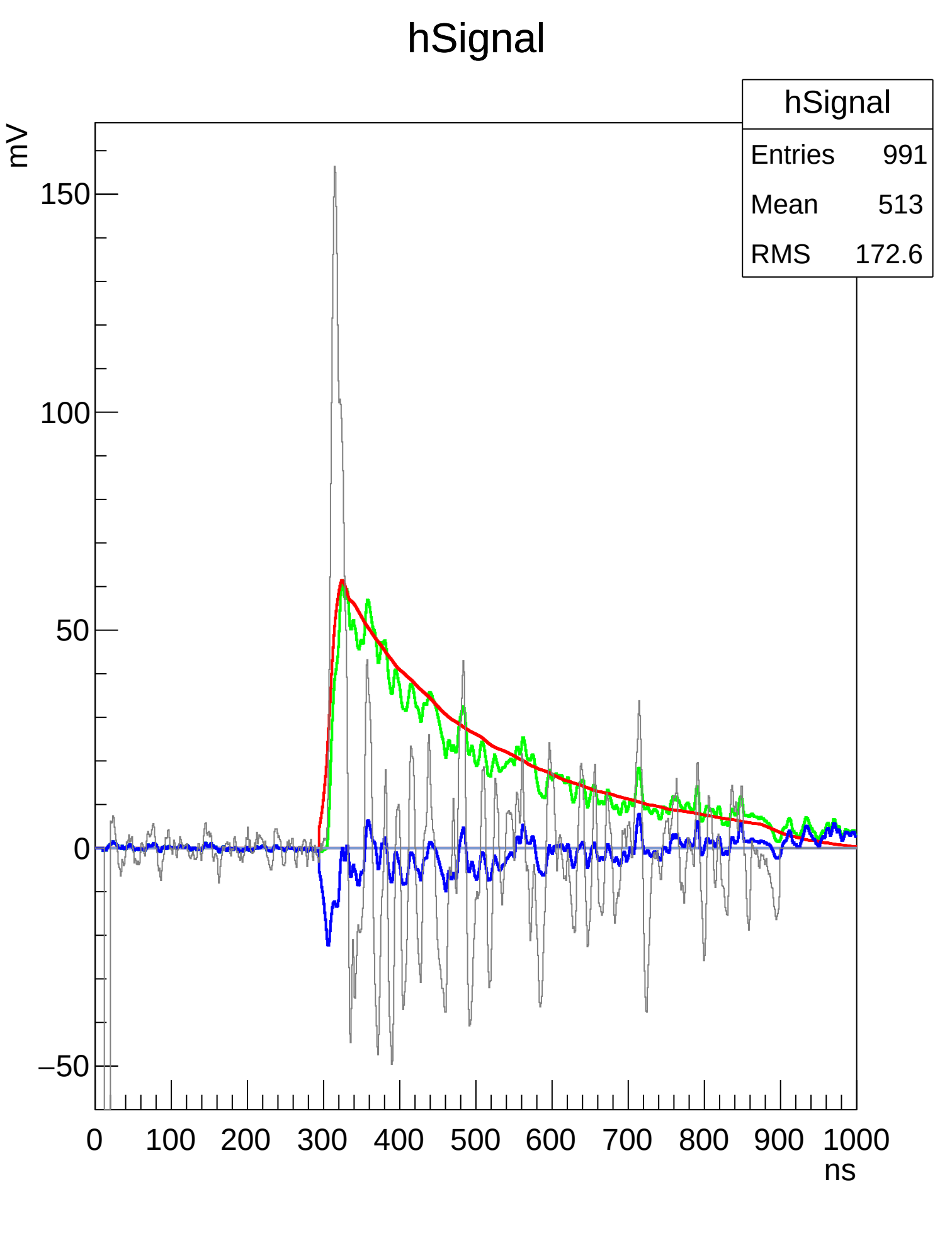

hSignal
hSignal
Entries 991
Mean 578.1
RMS 149.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

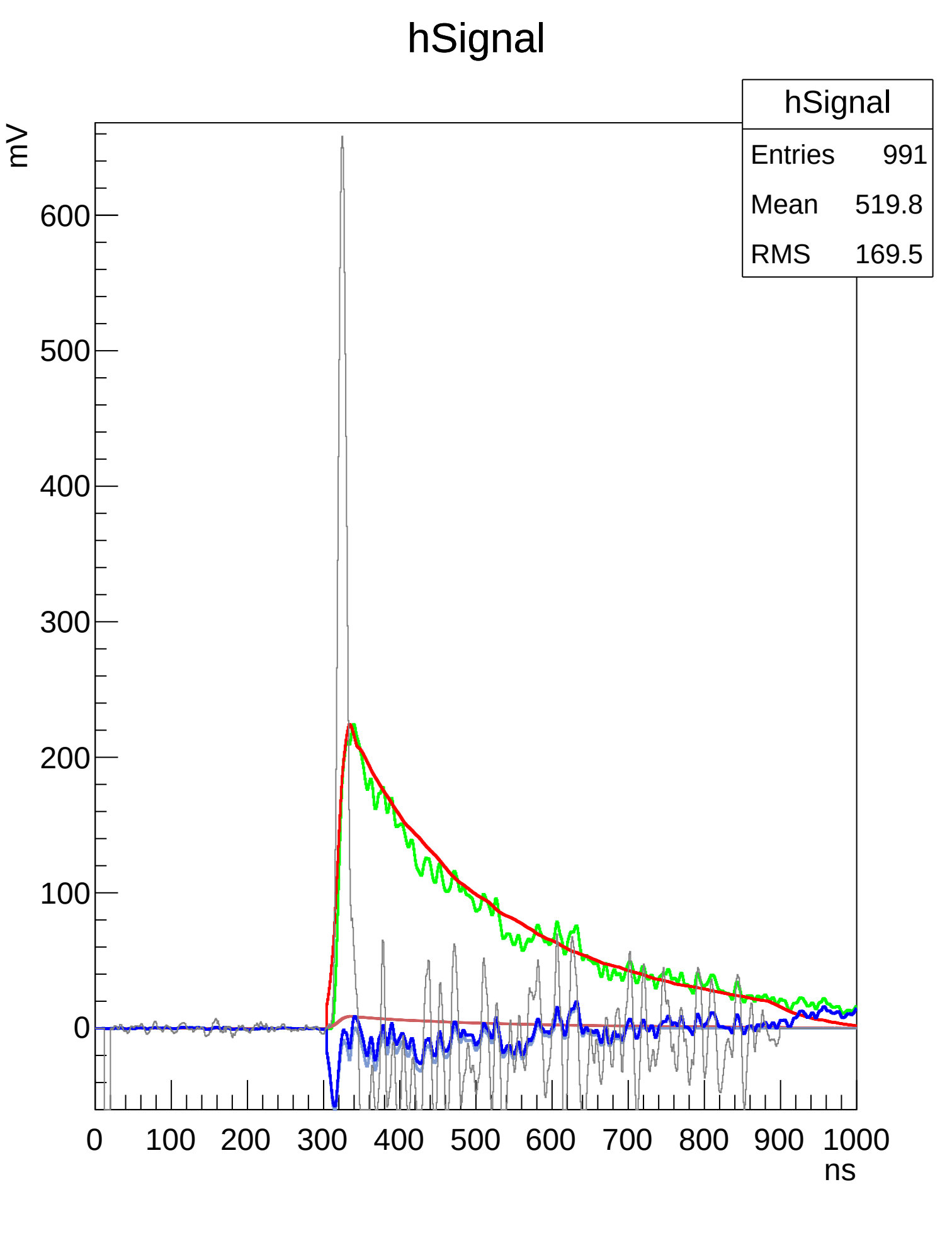

hSignal
hSignal
Entries 991
Mean 526.7
RMS 168.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

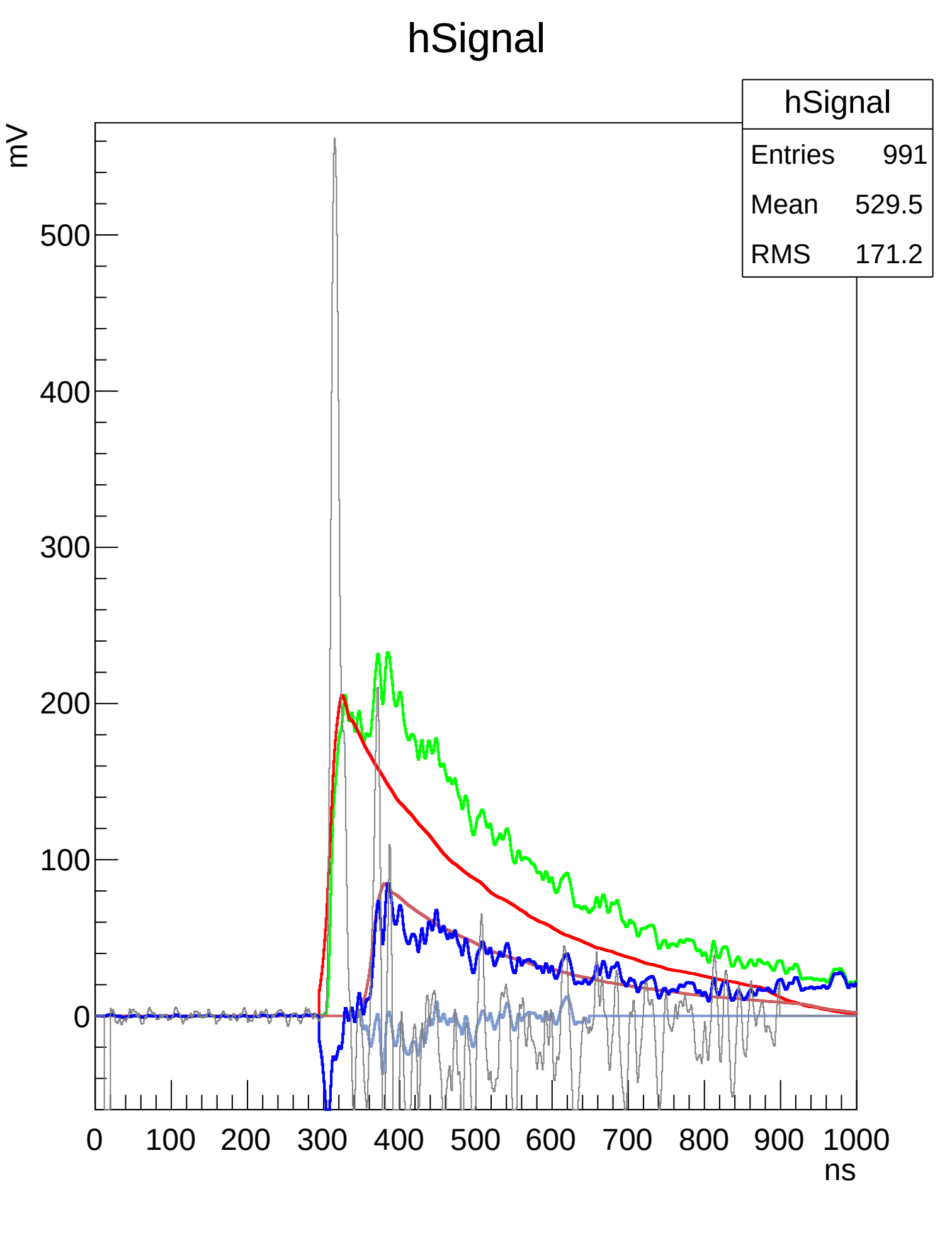

hSignal
hSignal
Entries 991
Mean 515.3
RMS 172.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

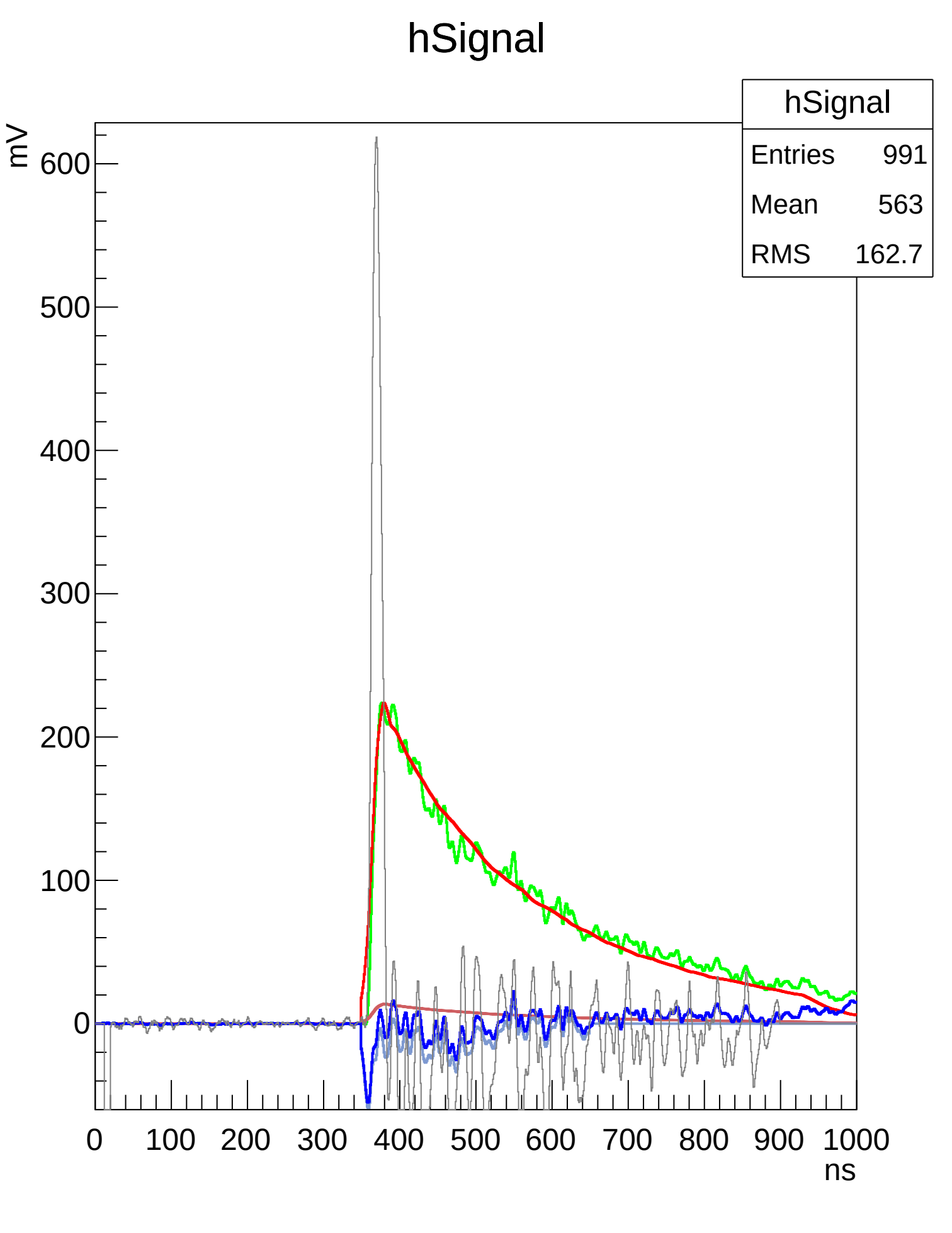

hSignal
hSignal
Entries 991
Mean 509.6
RMS 167.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

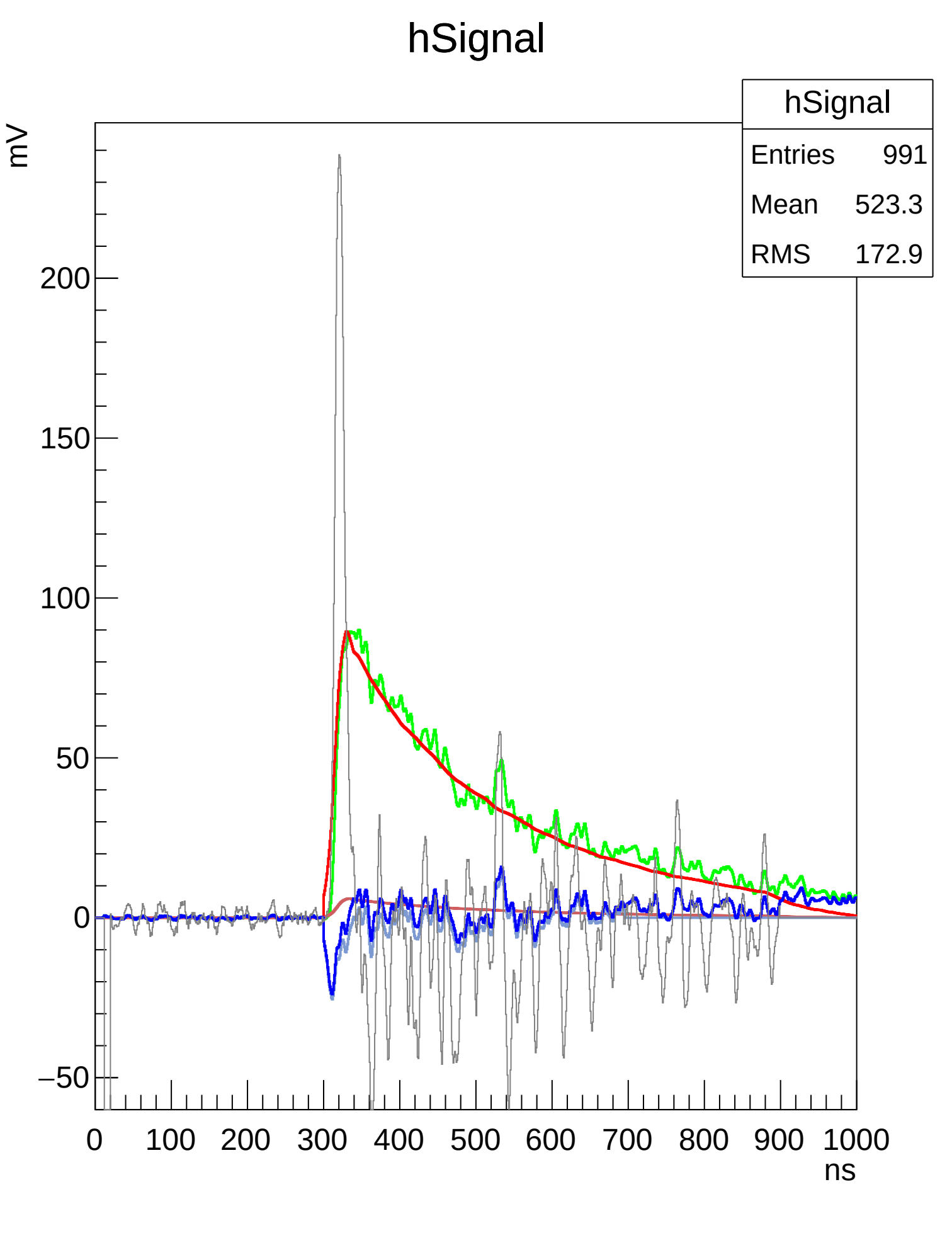

hSignal
hSignal
Entries 991
Mean 513.4
RMS 171
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

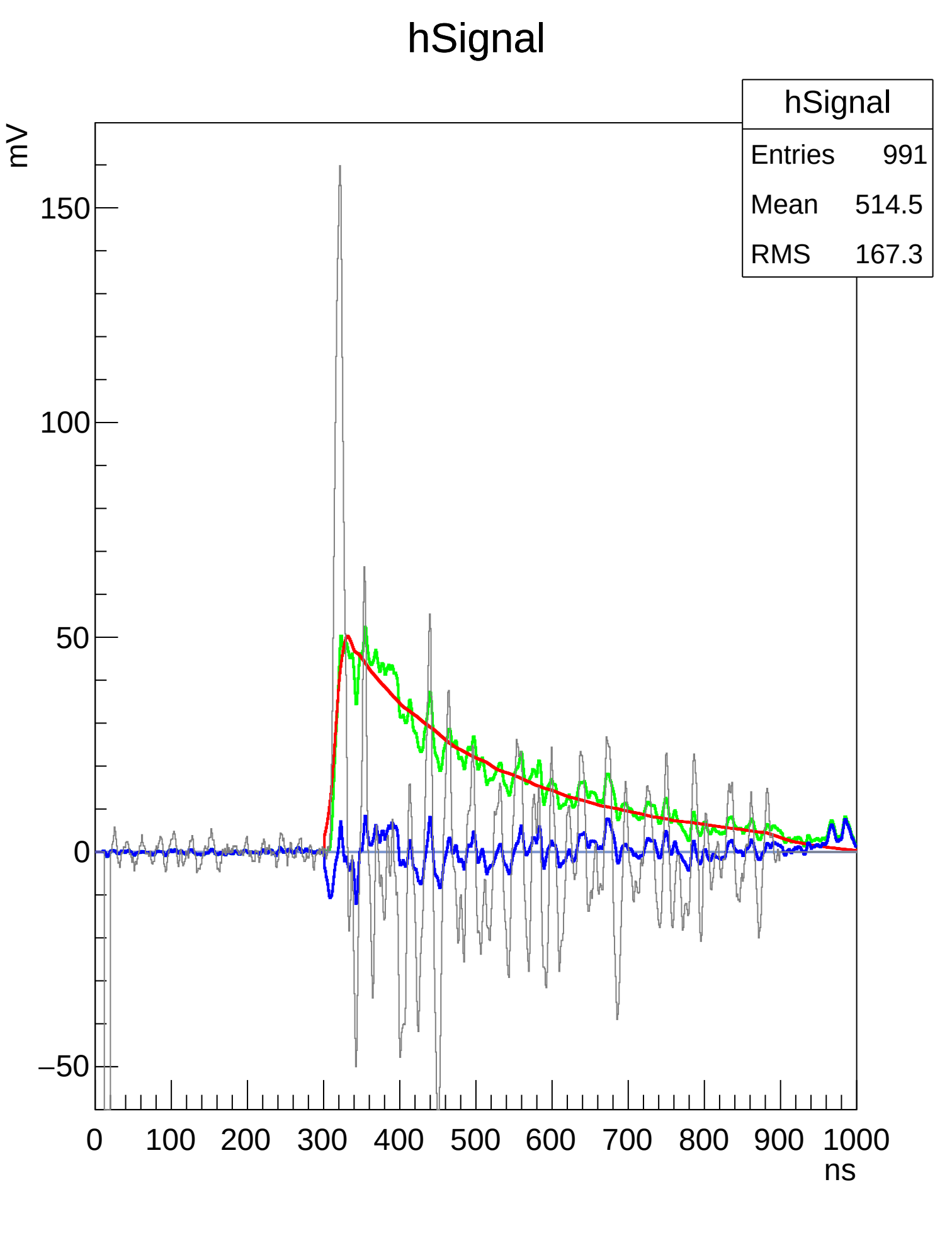

hSignal
hSignal
Entries 991
Mean 513
RMS 172.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

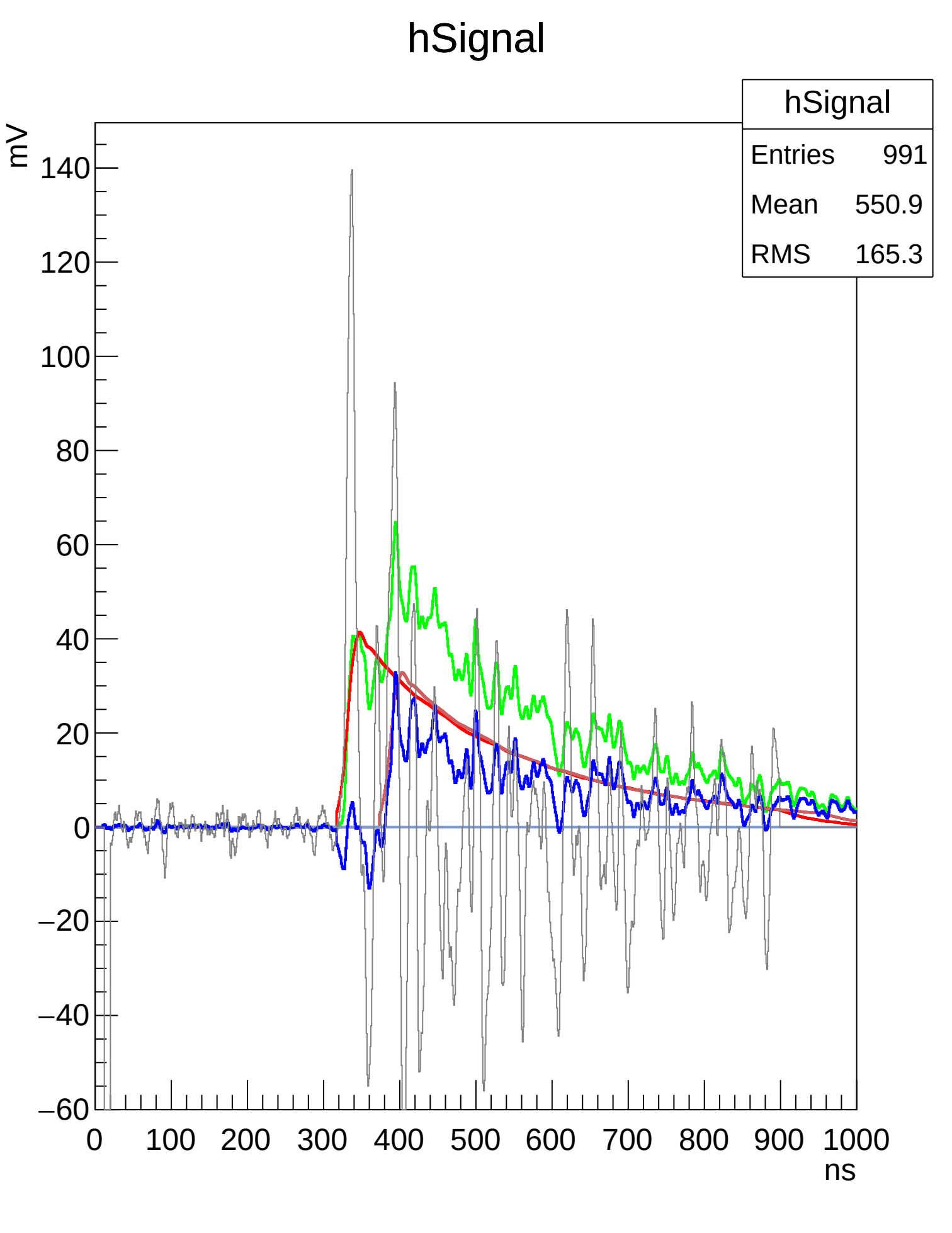

hSignal
hSignal
Entries 991
Mean 519.8
RMS 169.5
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

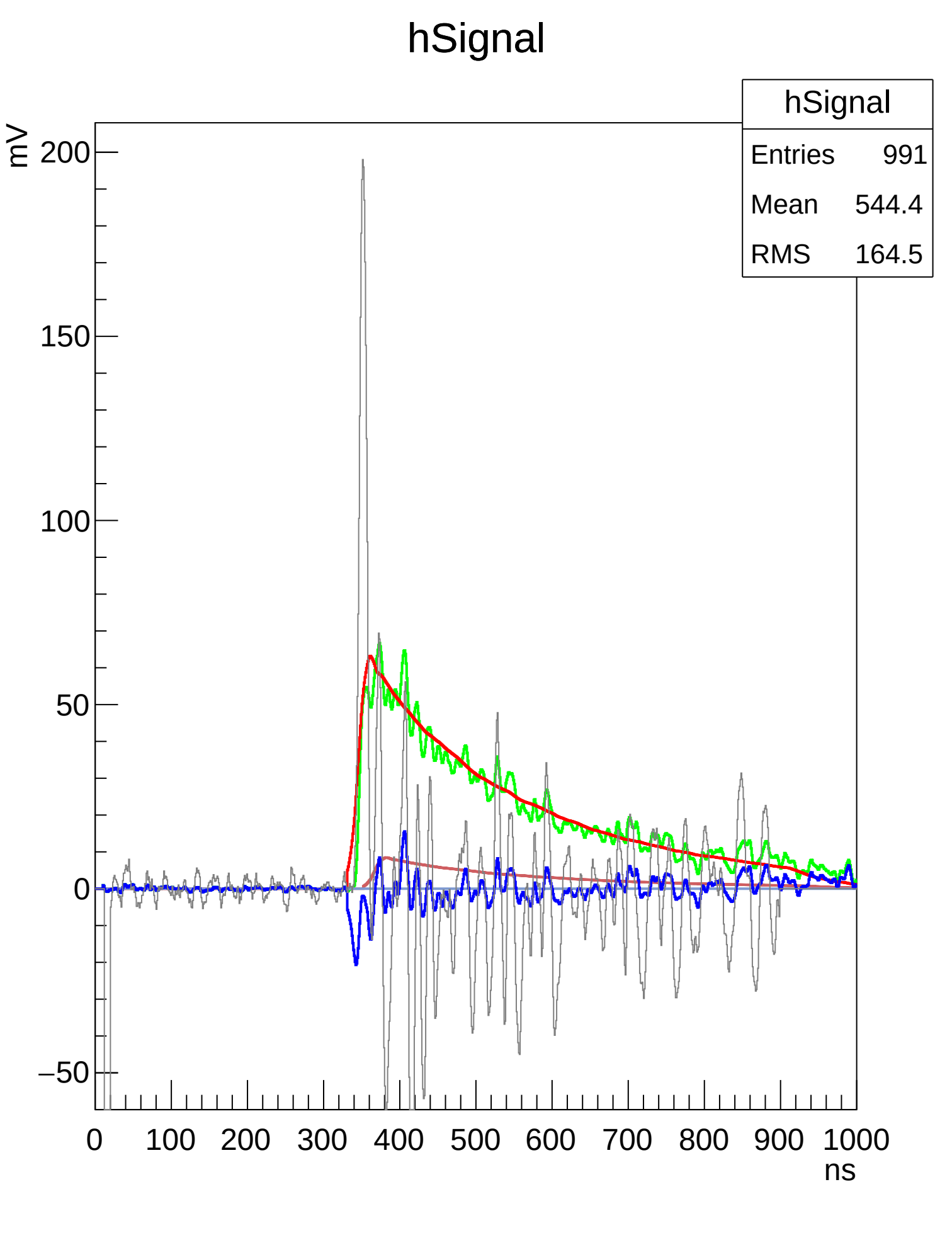

hSignal
hSignal
Entries 991
Mean 529.5
RMS 171.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

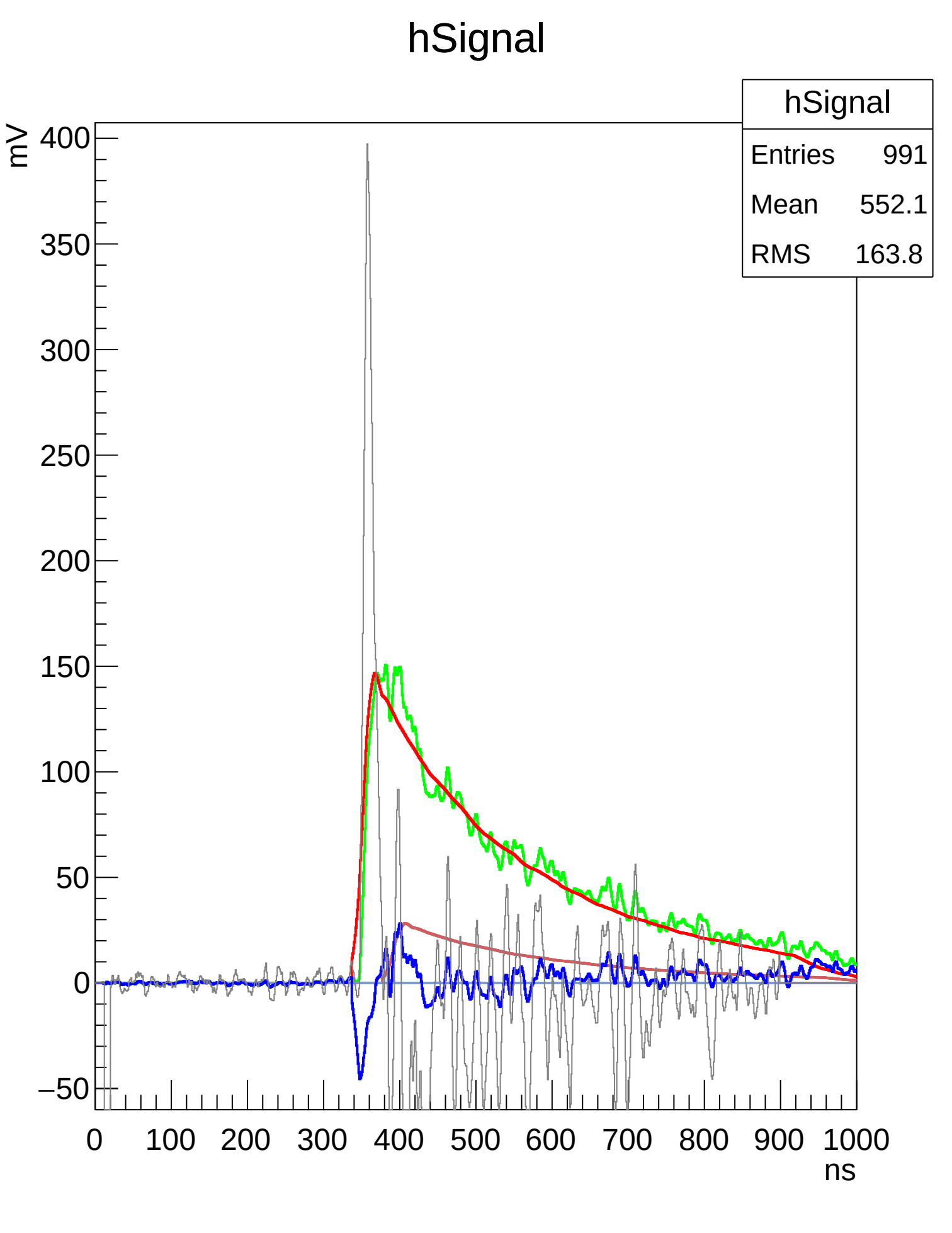

hSignal
hSignal
Entries 991
Mean 563
RMS 162.7
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

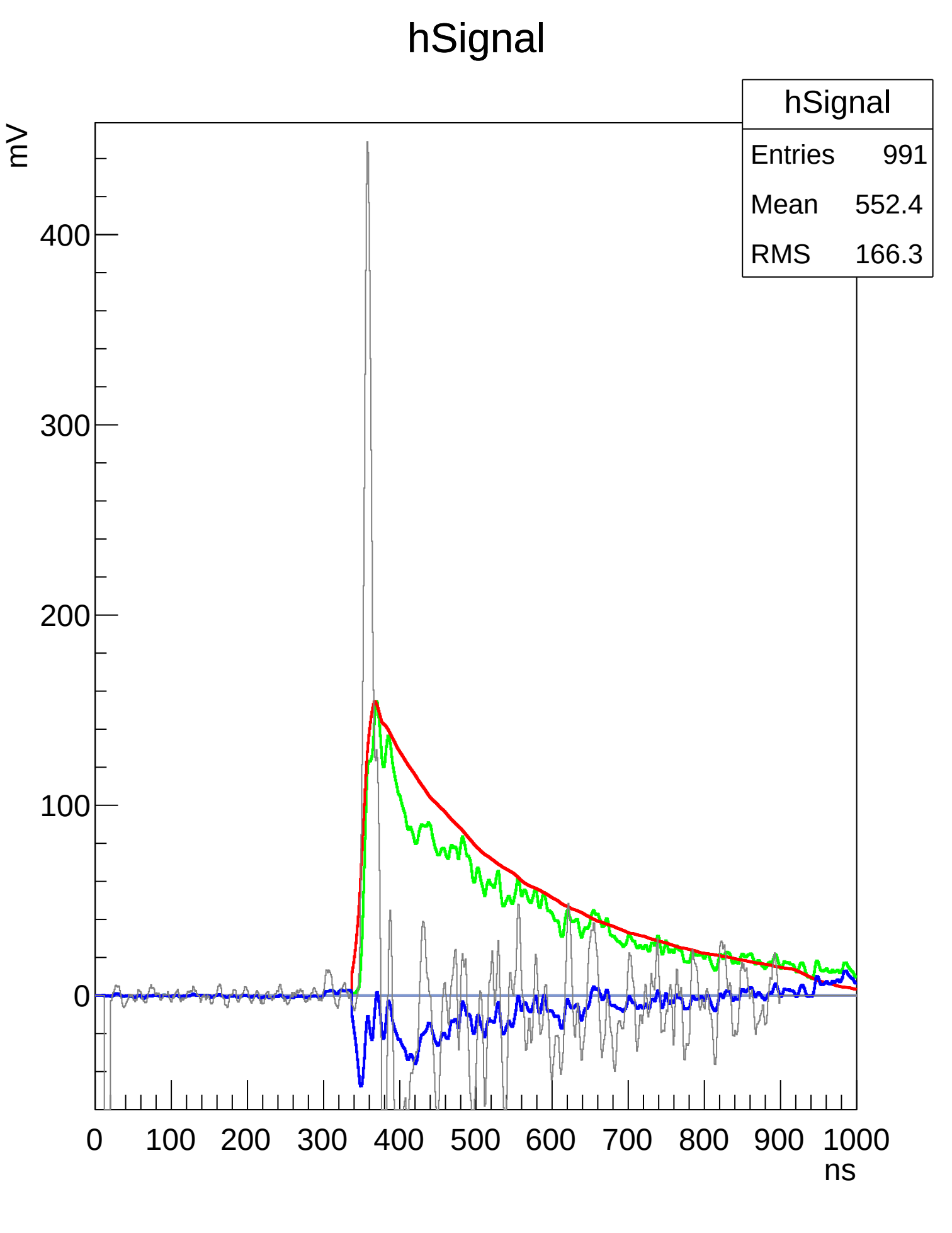

hSignal
hSignal
Entries 991
Mean 523.3
RMS 172.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

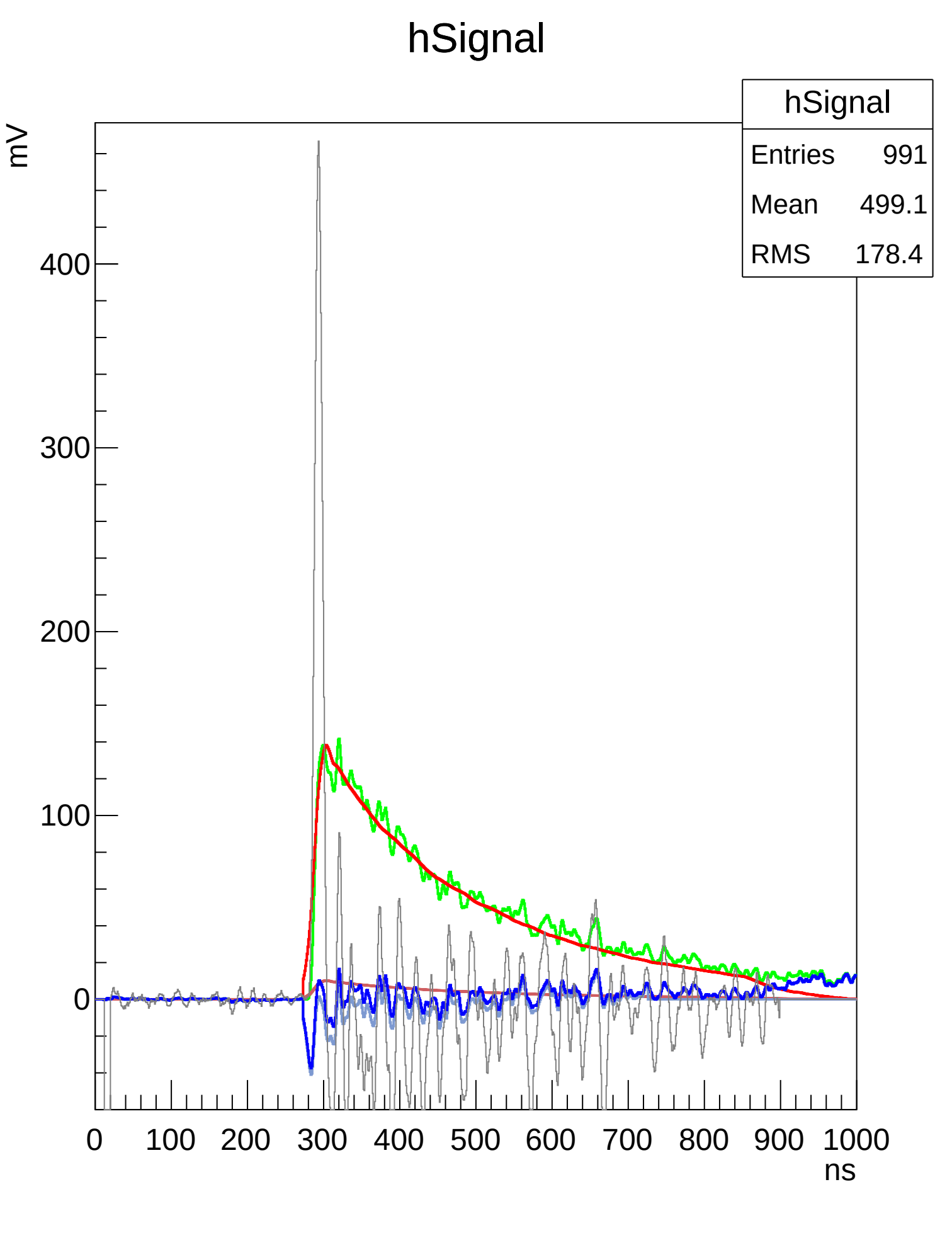

hSignal
hSignal
Entries 991
Mean 514.5
RMS 167.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

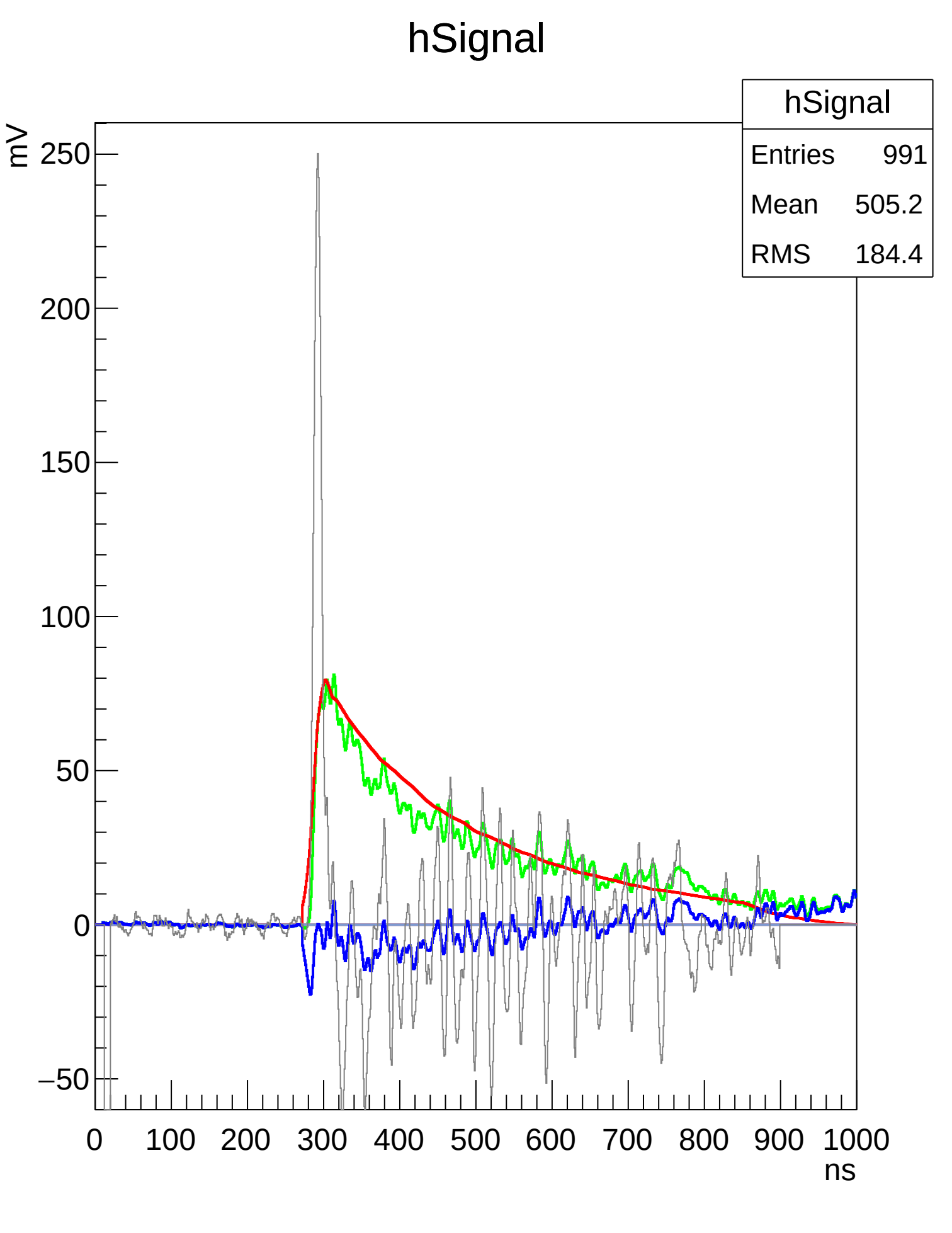

hSignal
hSignal
Entries 991
Mean 550.9
RMS 165.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

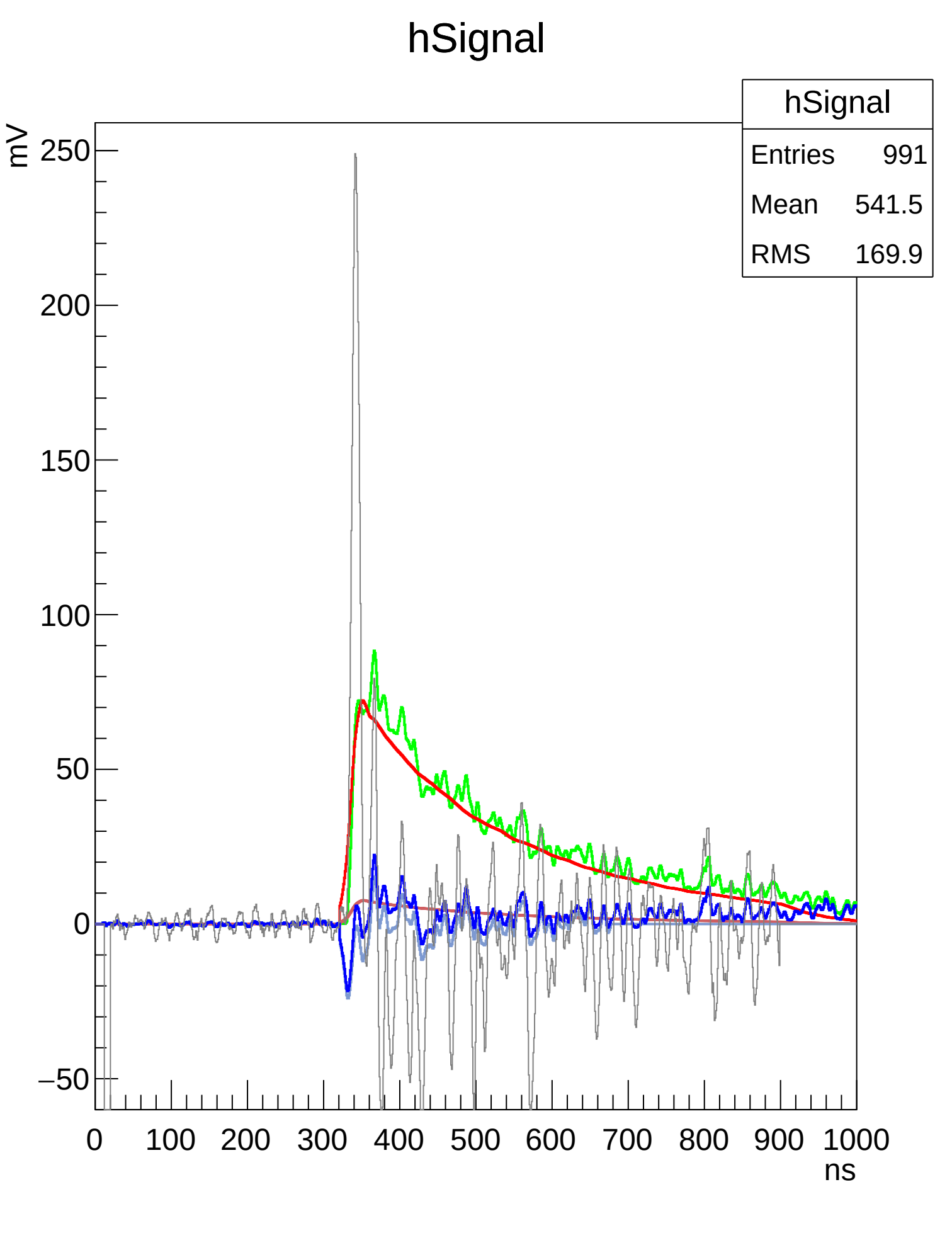

hSignal
hSignal
Entries 991
Mean 544.4
RMS 164.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

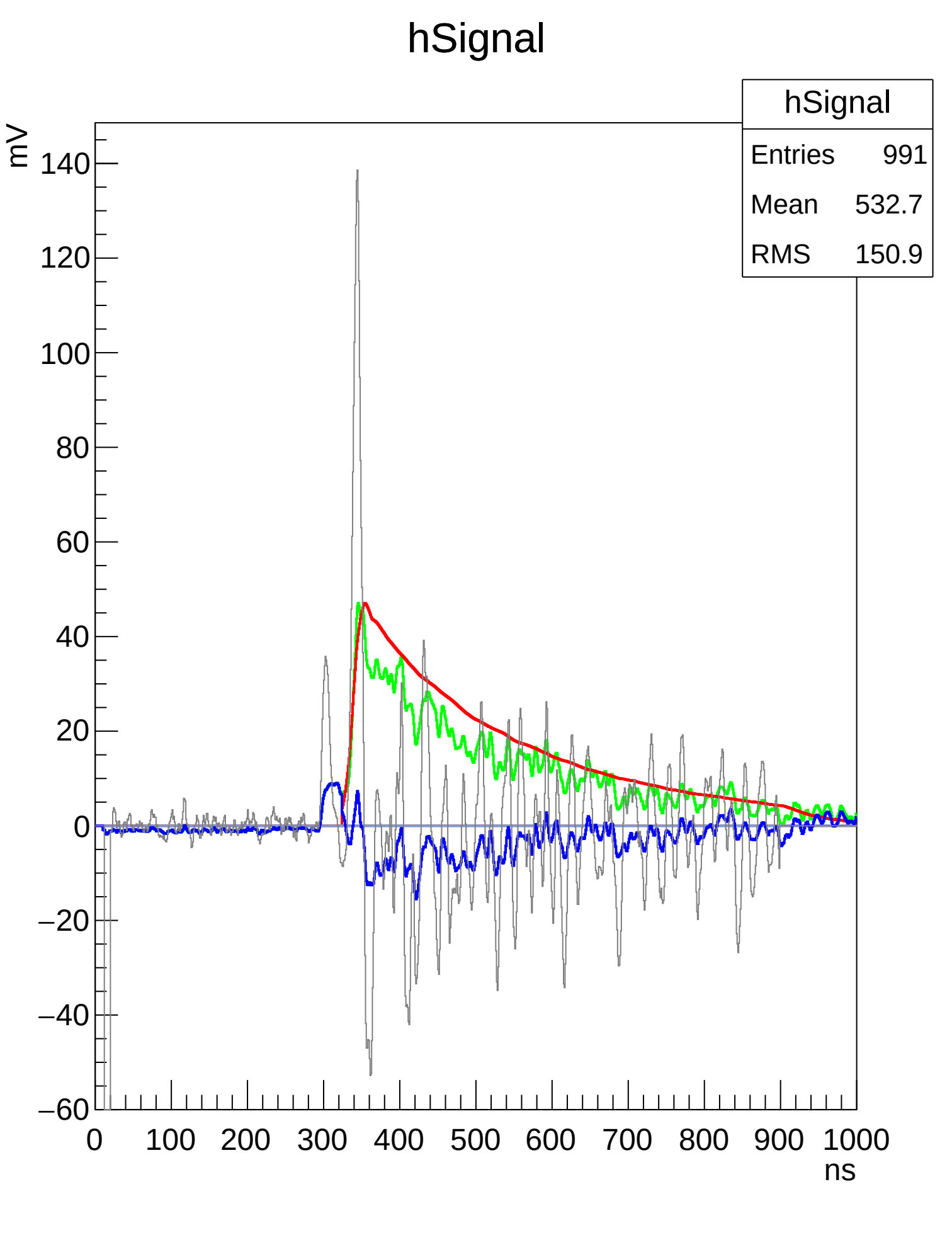

hSignal
hSignal
Entries 991
Mean 552.1
RMS 163.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

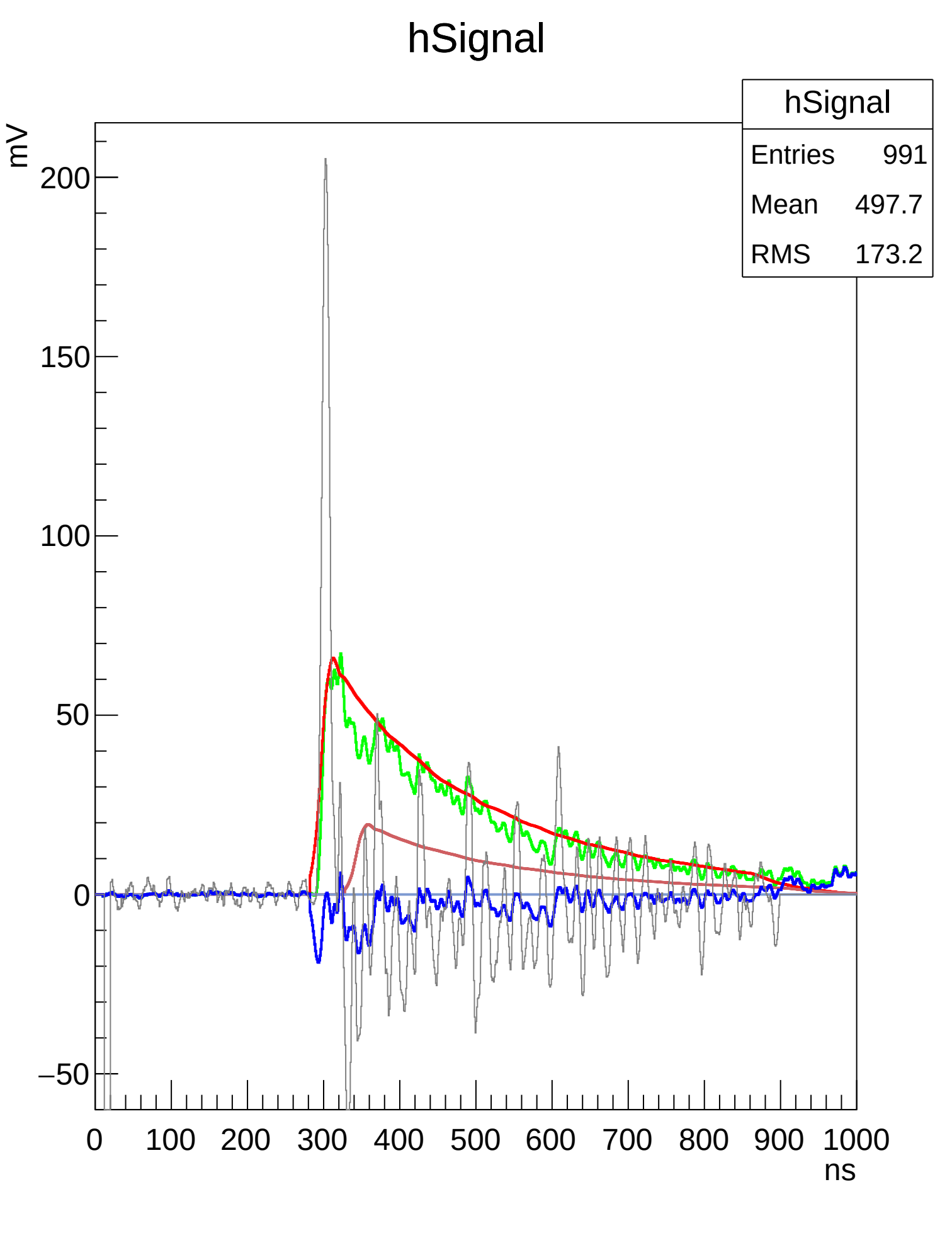

hSignal
hSignal
Entries 991
Mean 552.4
RMS 166.3
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

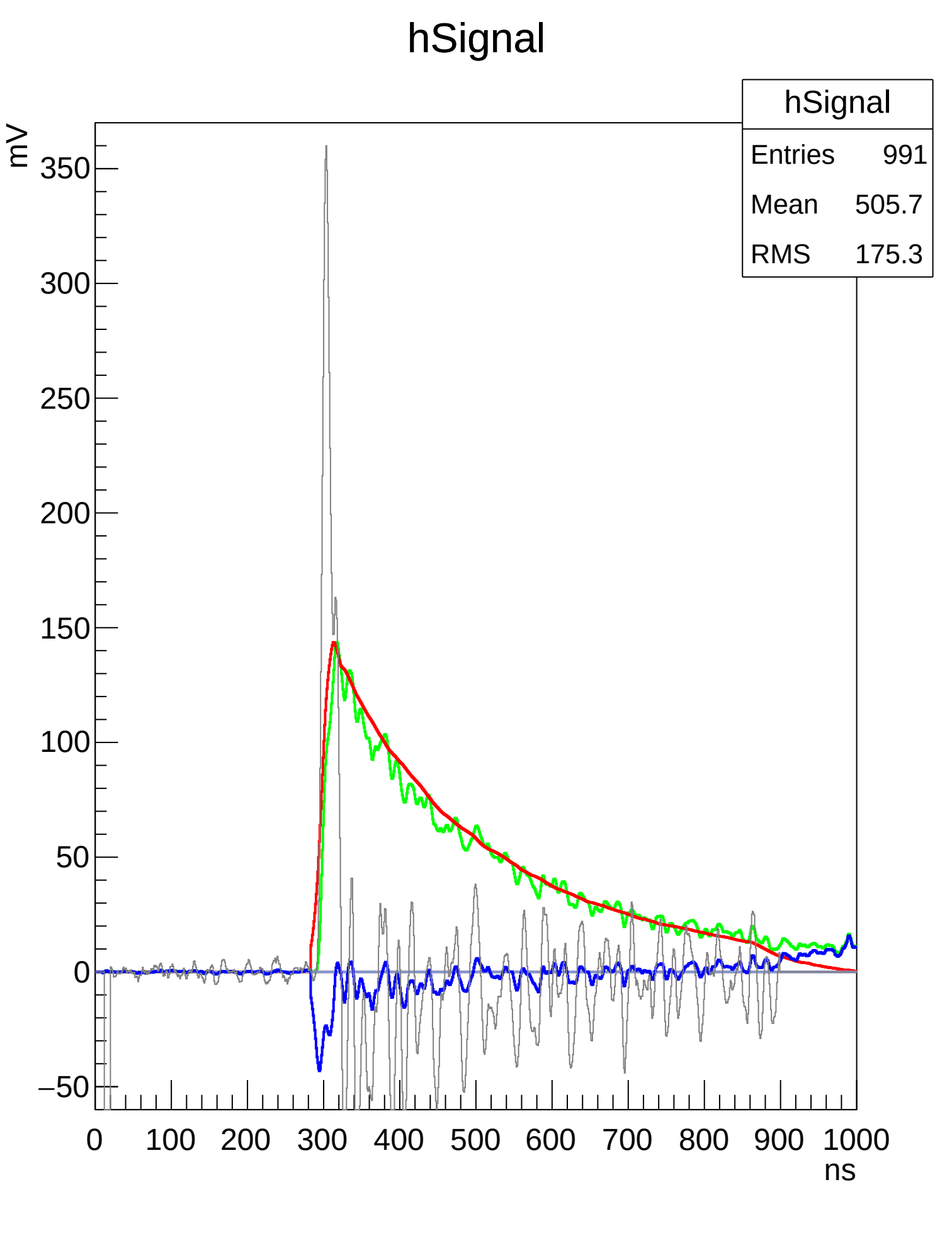

hSignal
hSignal
Entries 991
Mean 499.1
RMS 178.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

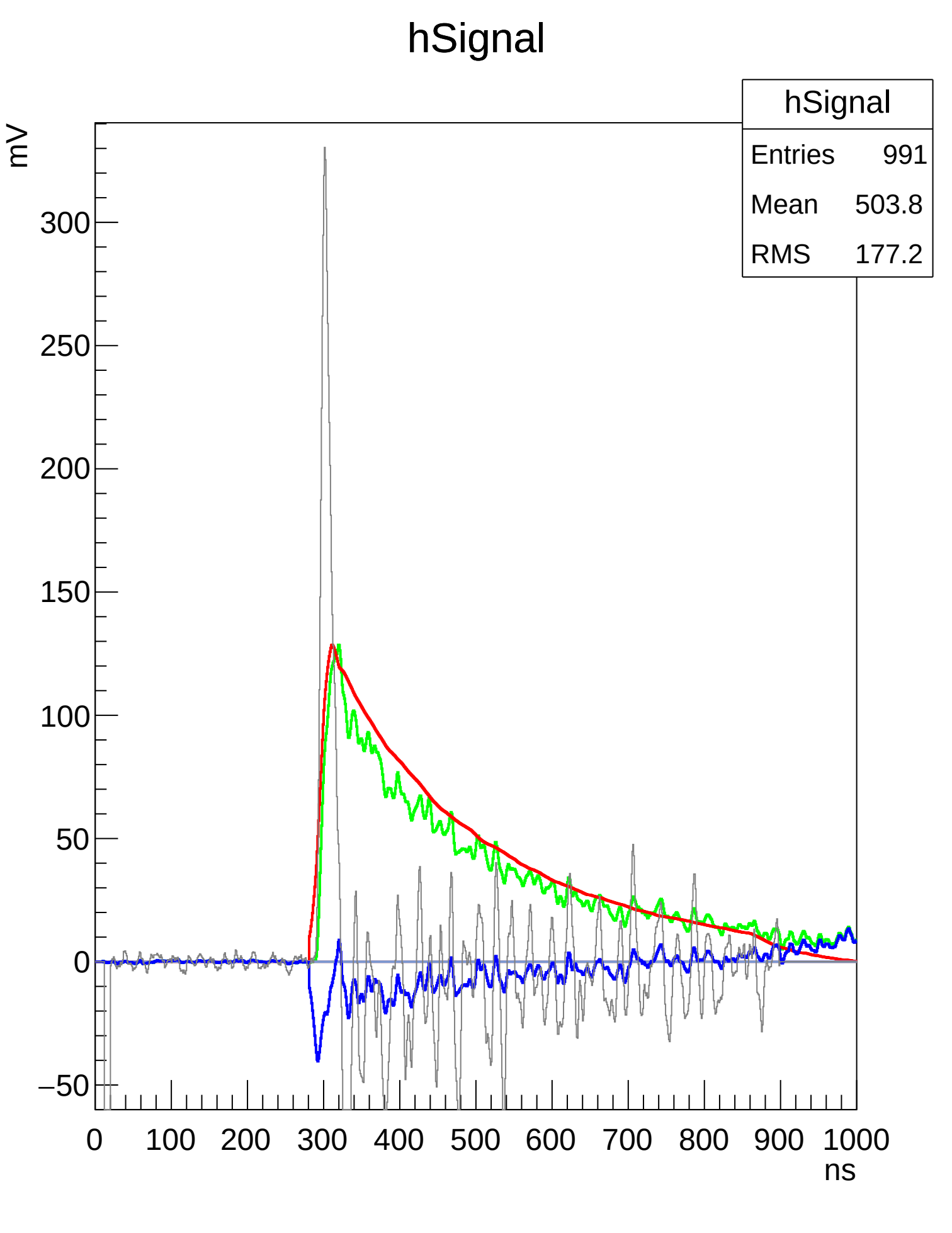

hSignal
hSignal
Entries 991
Mean 505.2
RMS 184.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

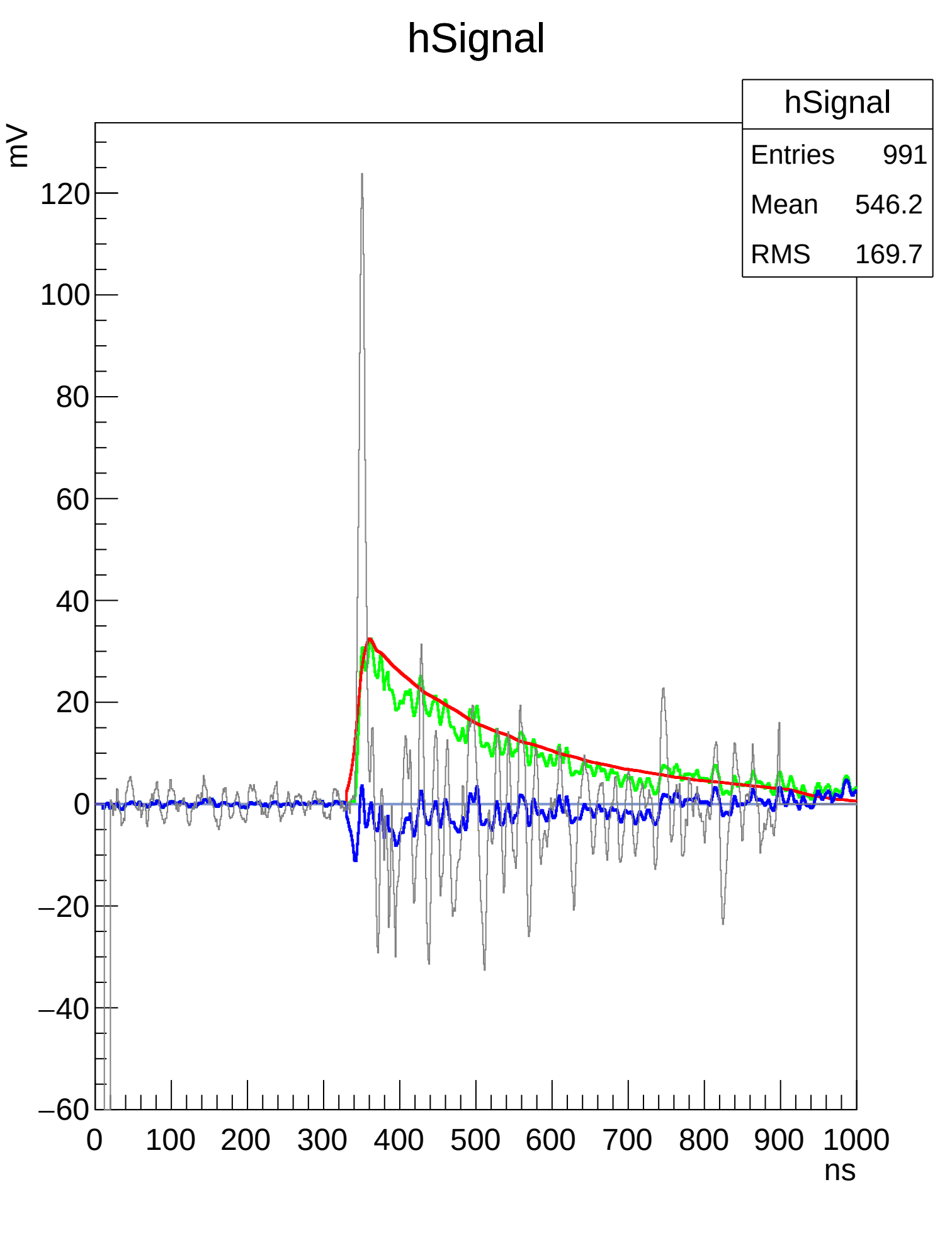

hSignal
hSignal
Entries 991
Mean 541.5
RMS 169.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

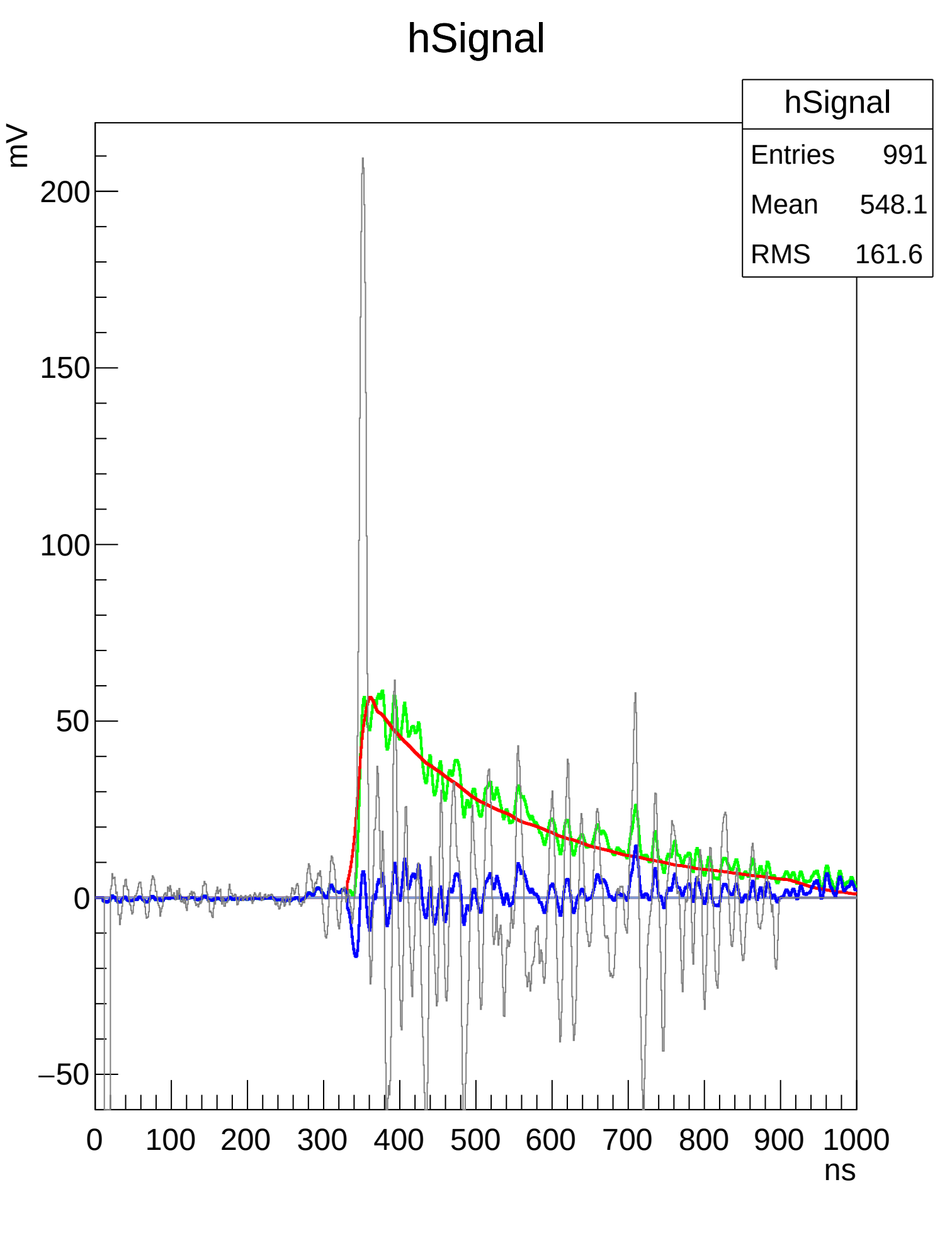

hSignal
hSignal
Entries 991
Mean 532.7
RMS 150.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

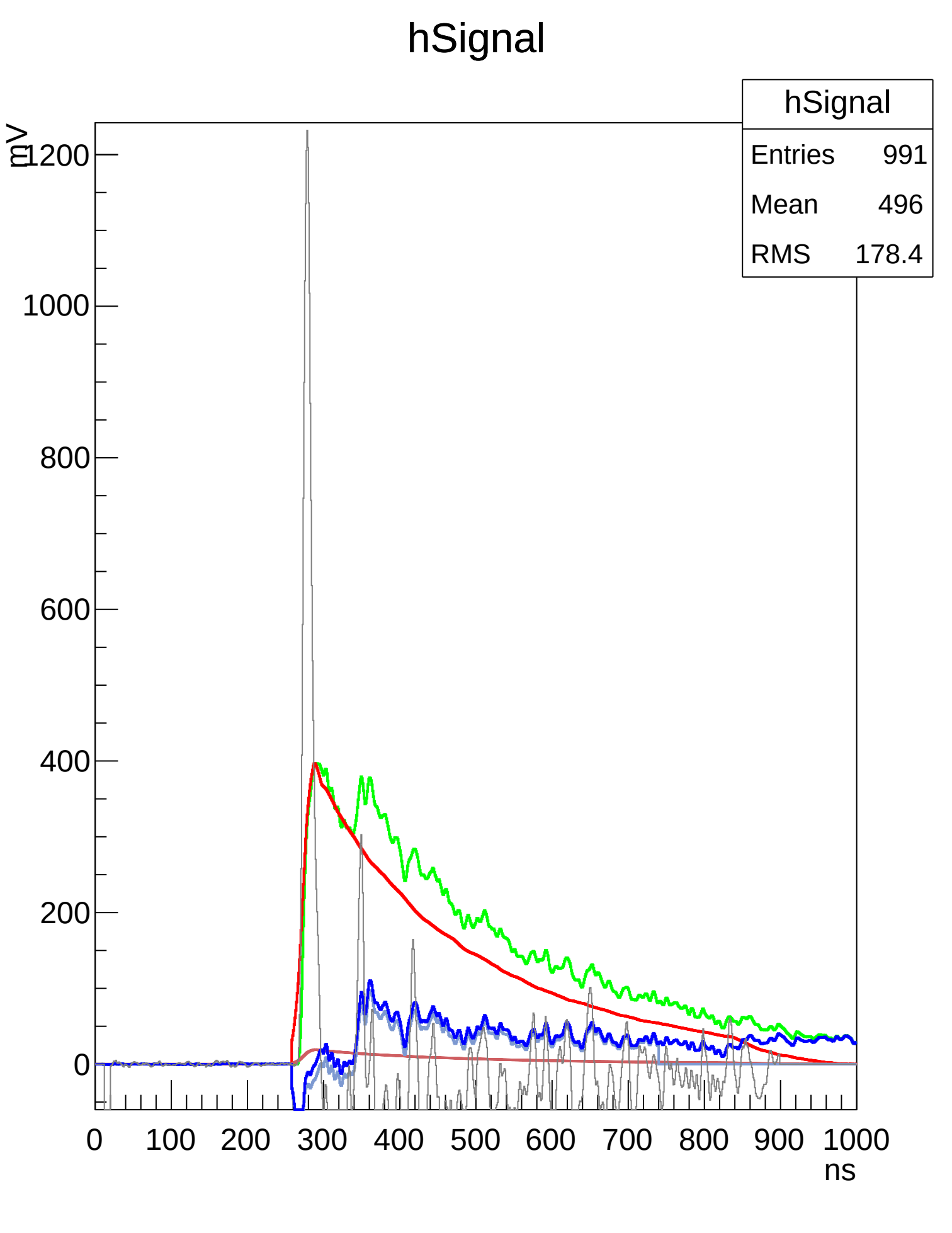

hSignal
hSignal
Entries 991
Mean 497.7
RMS 173.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

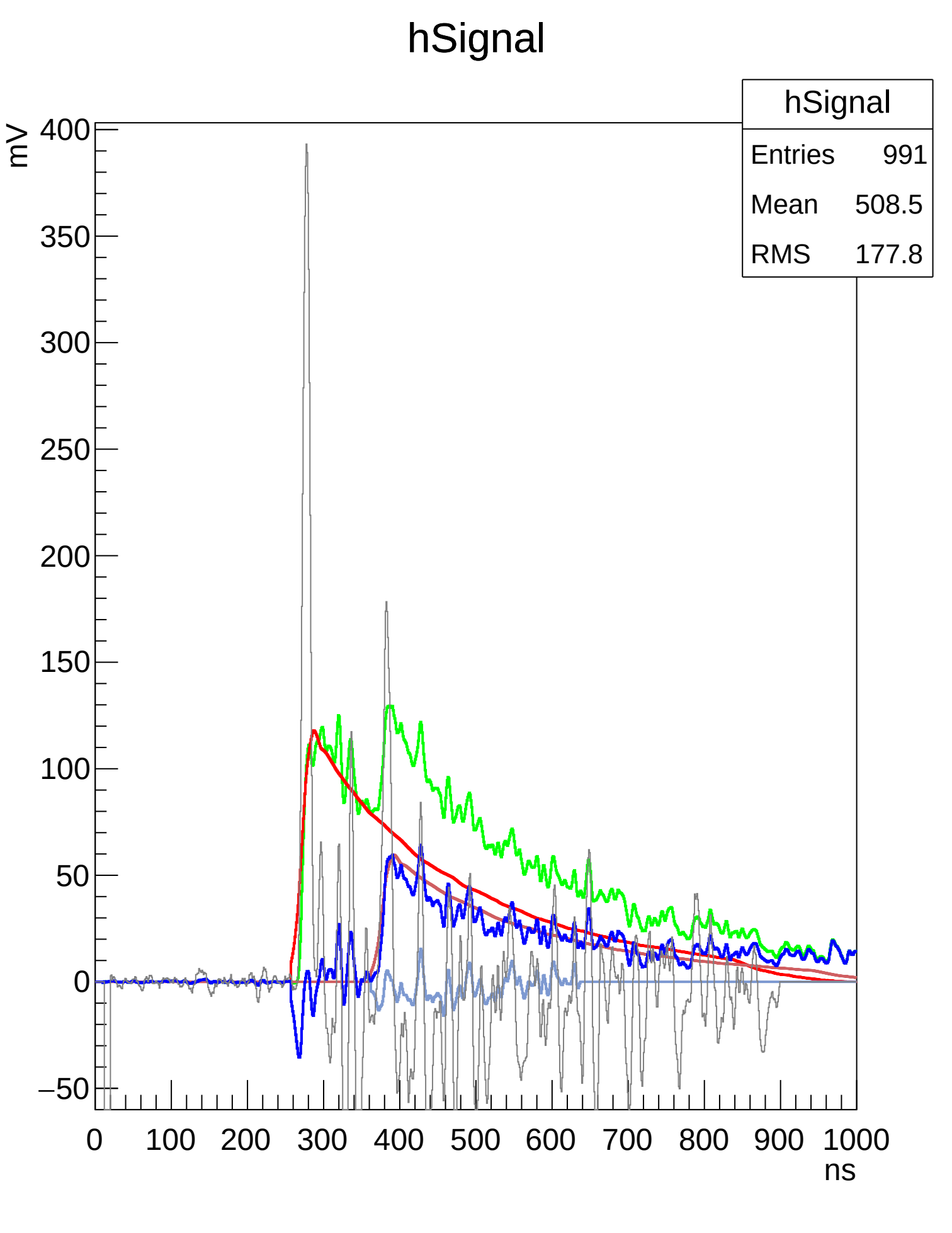

hSignal
hSignal
Entries 991
Mean 505.7
RMS 175.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

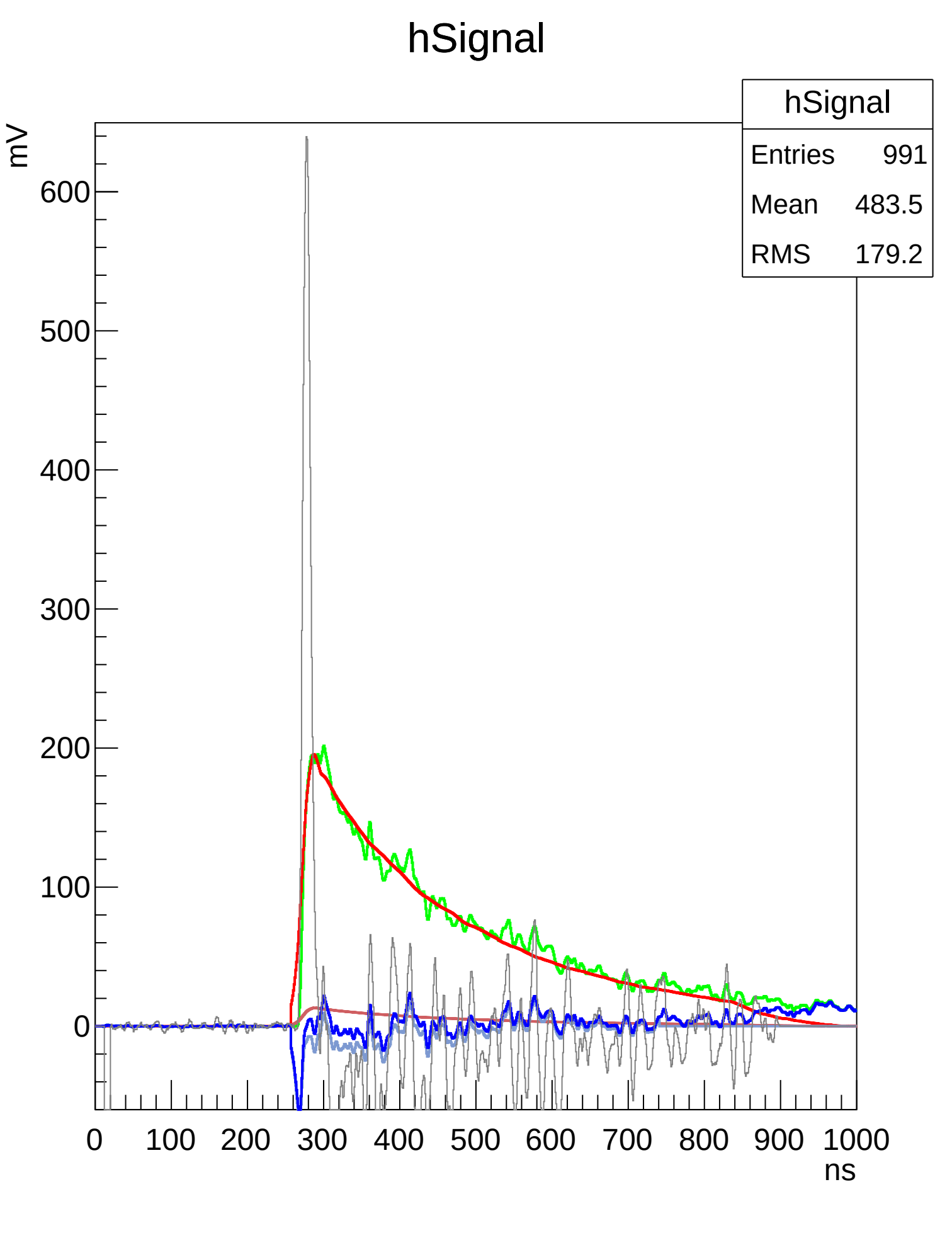

hSignal
hSignal
Entries 991
Mean 503.8
RMS 177.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

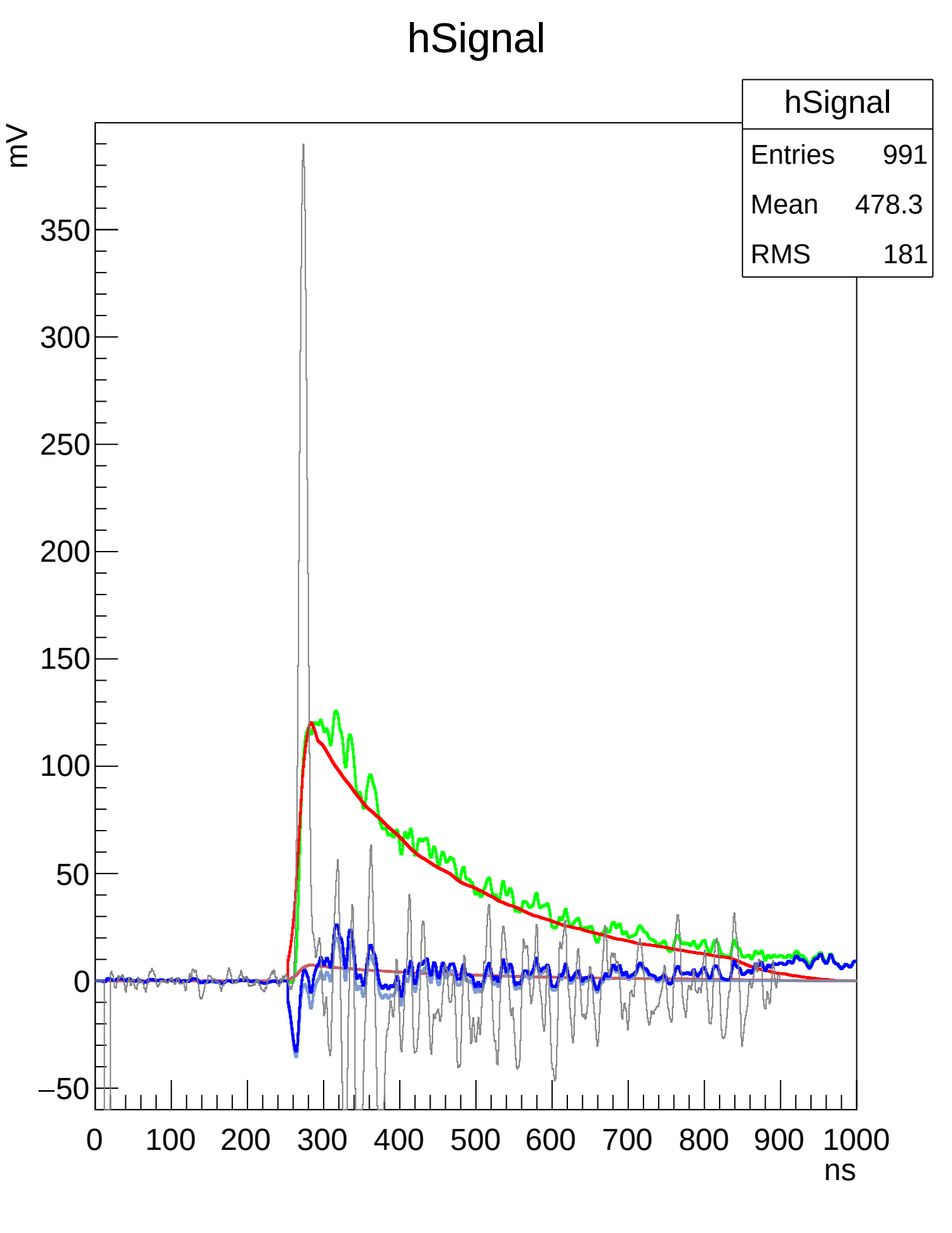

hSignal
hSignal
Entries 991
Mean 546.2
RMS 169.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

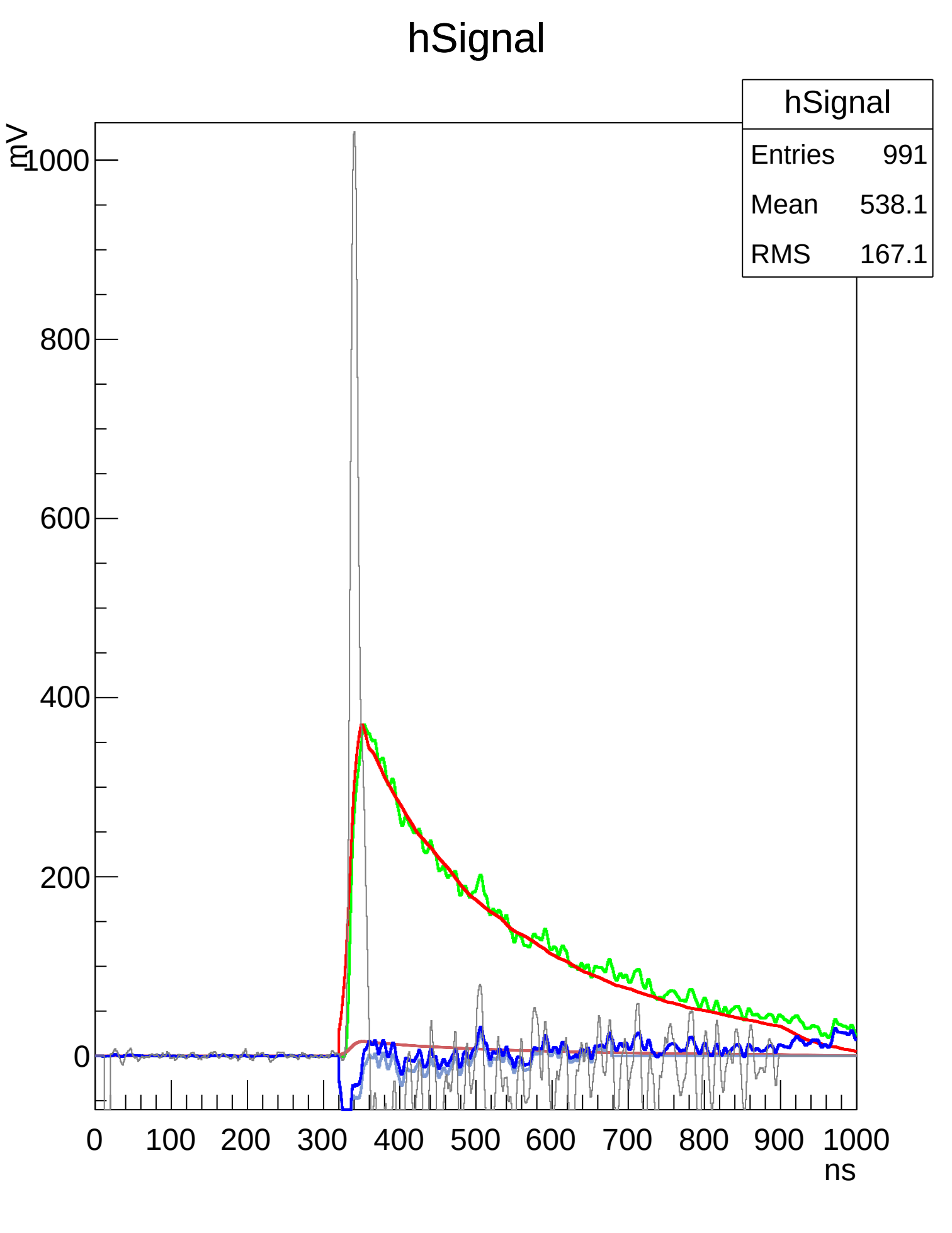

hSignal
hSignal
Entries 991
Mean 548.1
RMS 161.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

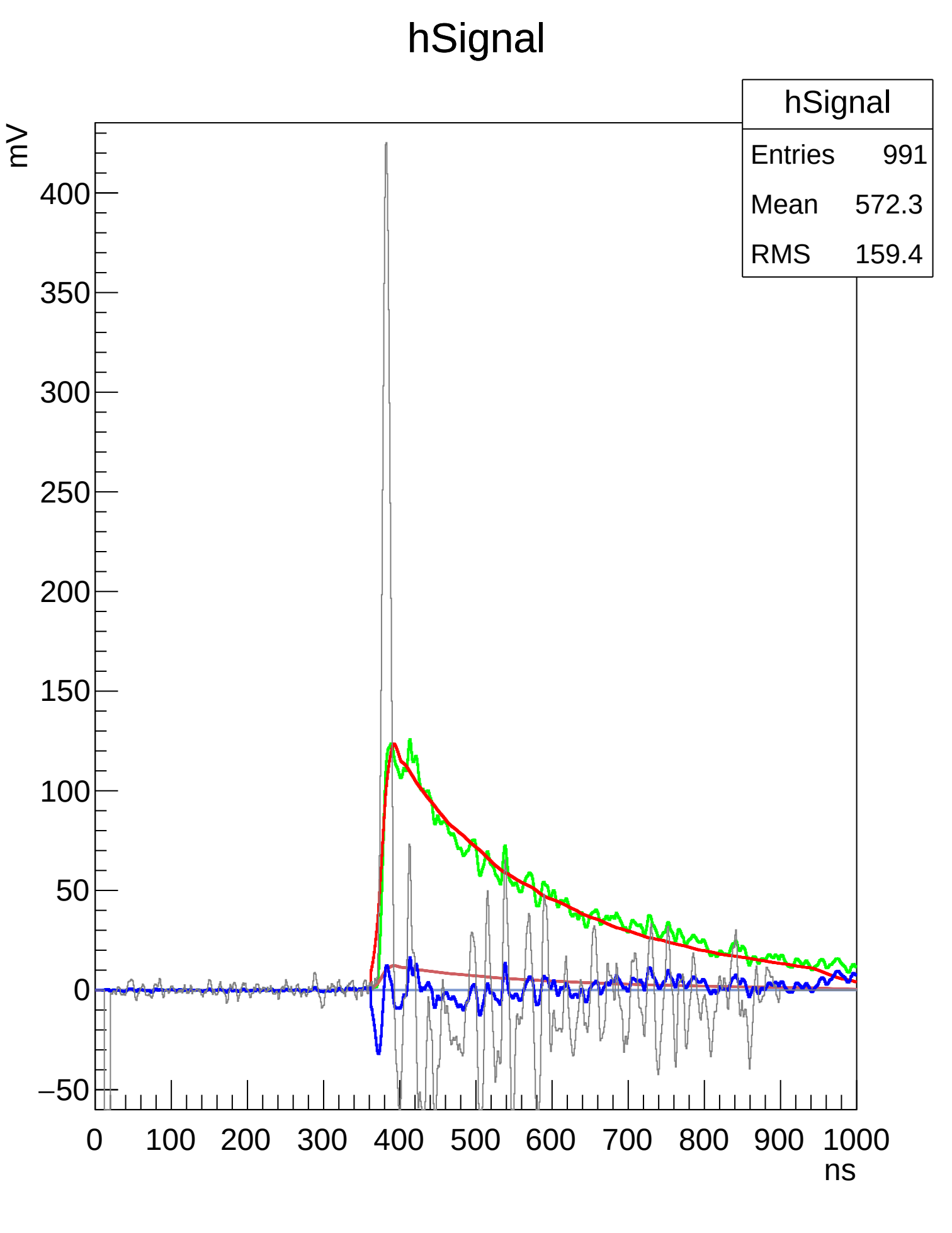

hSignal
hSignal
Entries 991
Mean 496
RMS 178.4
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

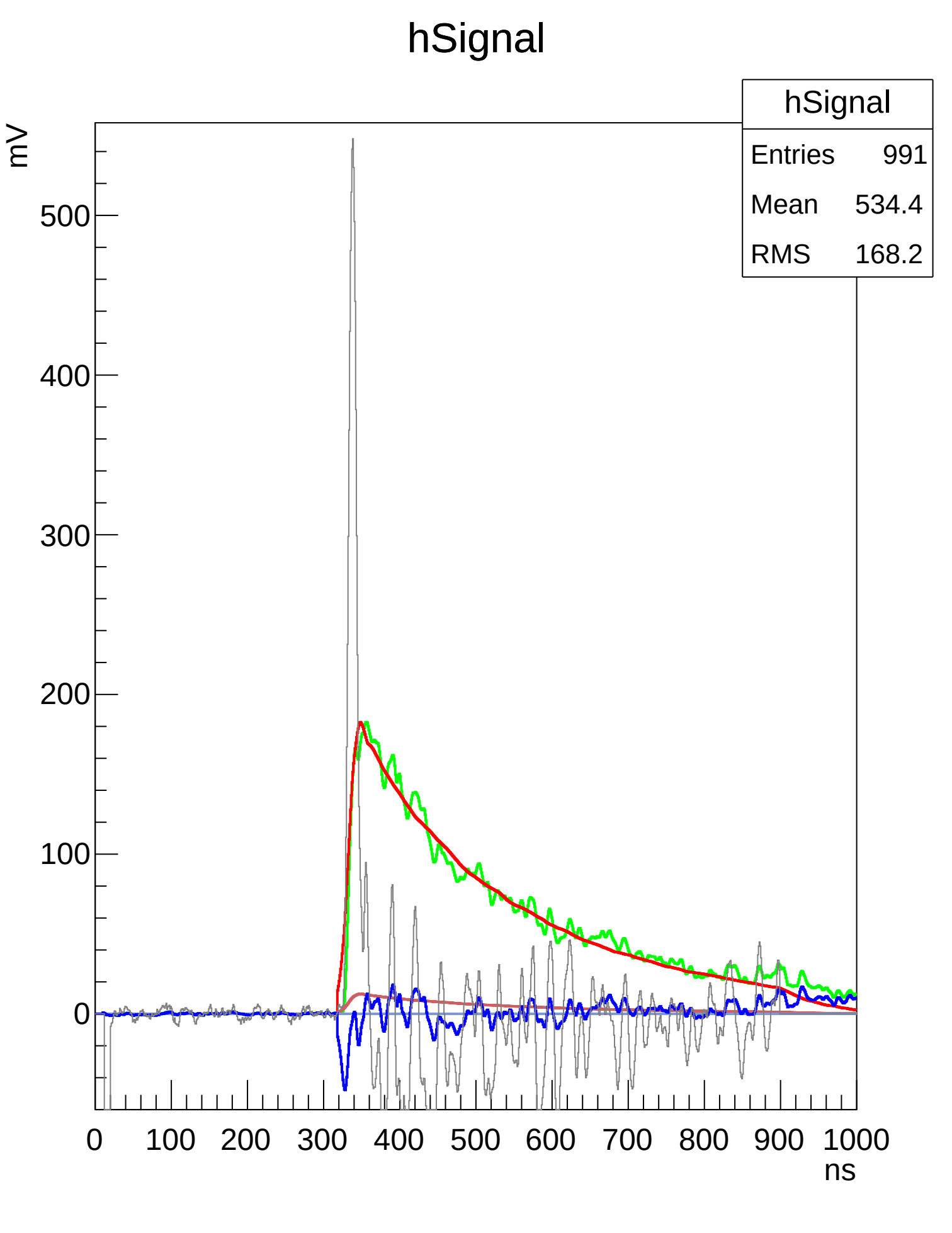

hSignal
hSignal
Entries 991
Mean 508.5
RMS 177.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

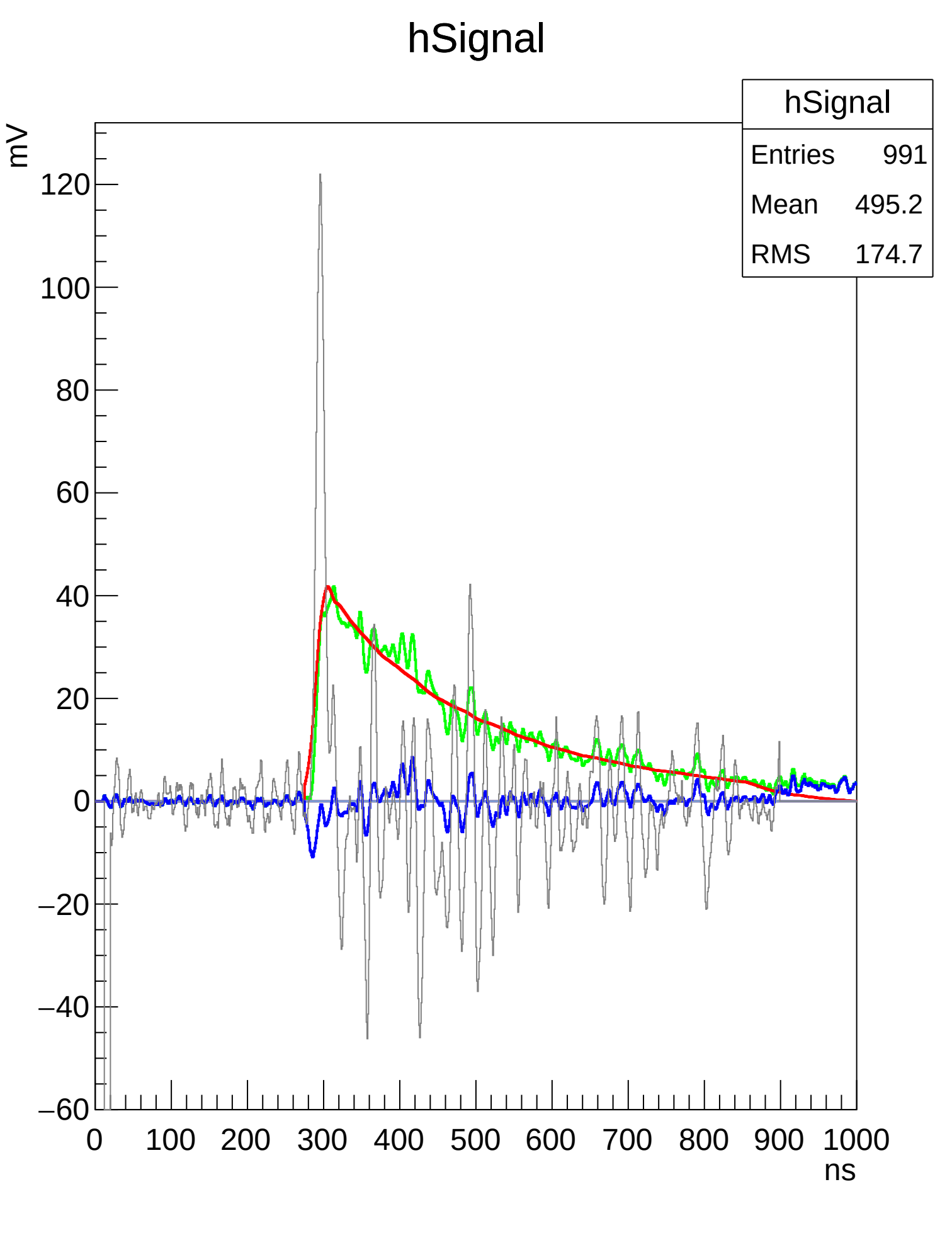

hSignal
hSignal
Entries 991
Mean 483.5
RMS 179.2
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

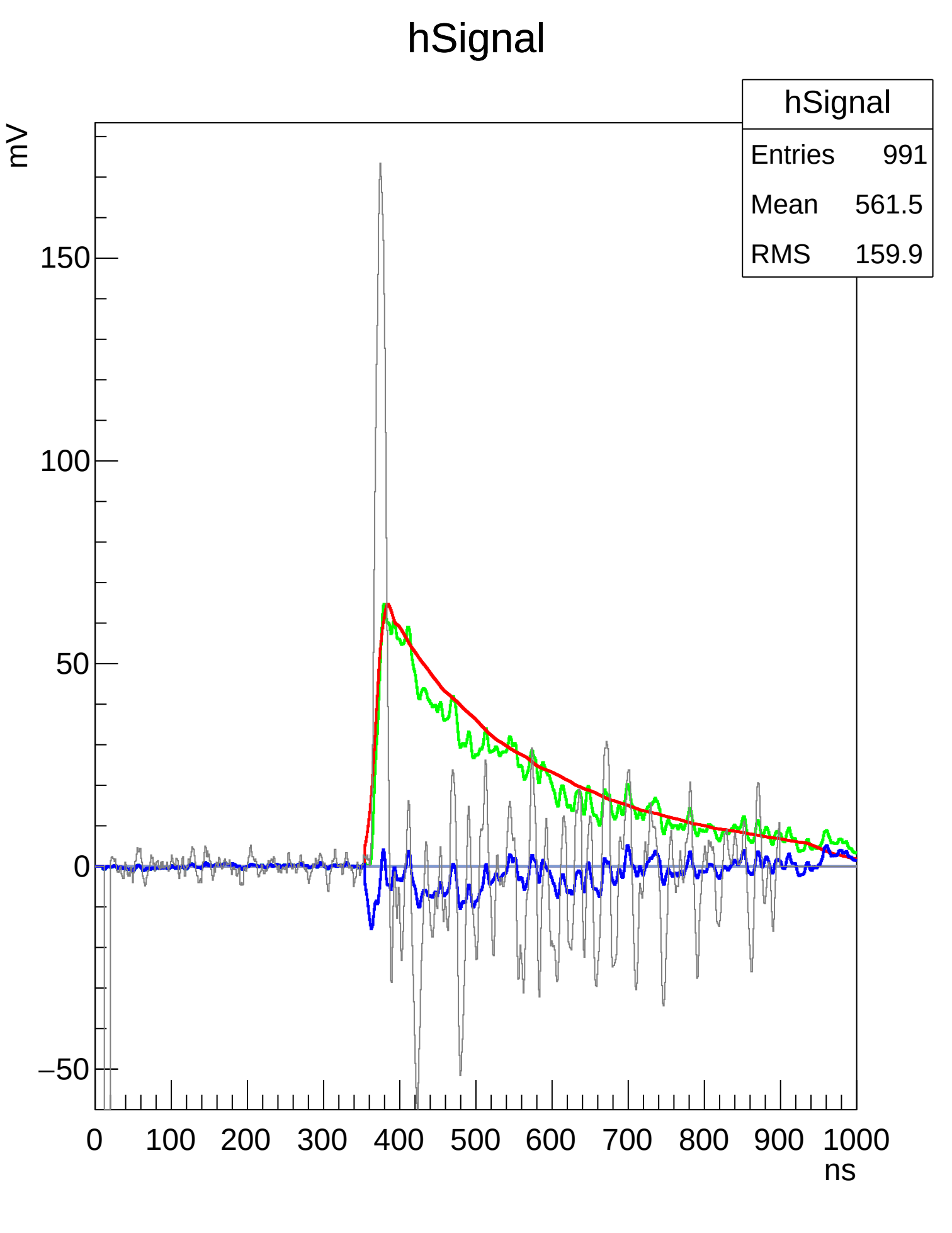

hSignal
hSignal
Entries 991
Mean 478.3
RMS 181
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

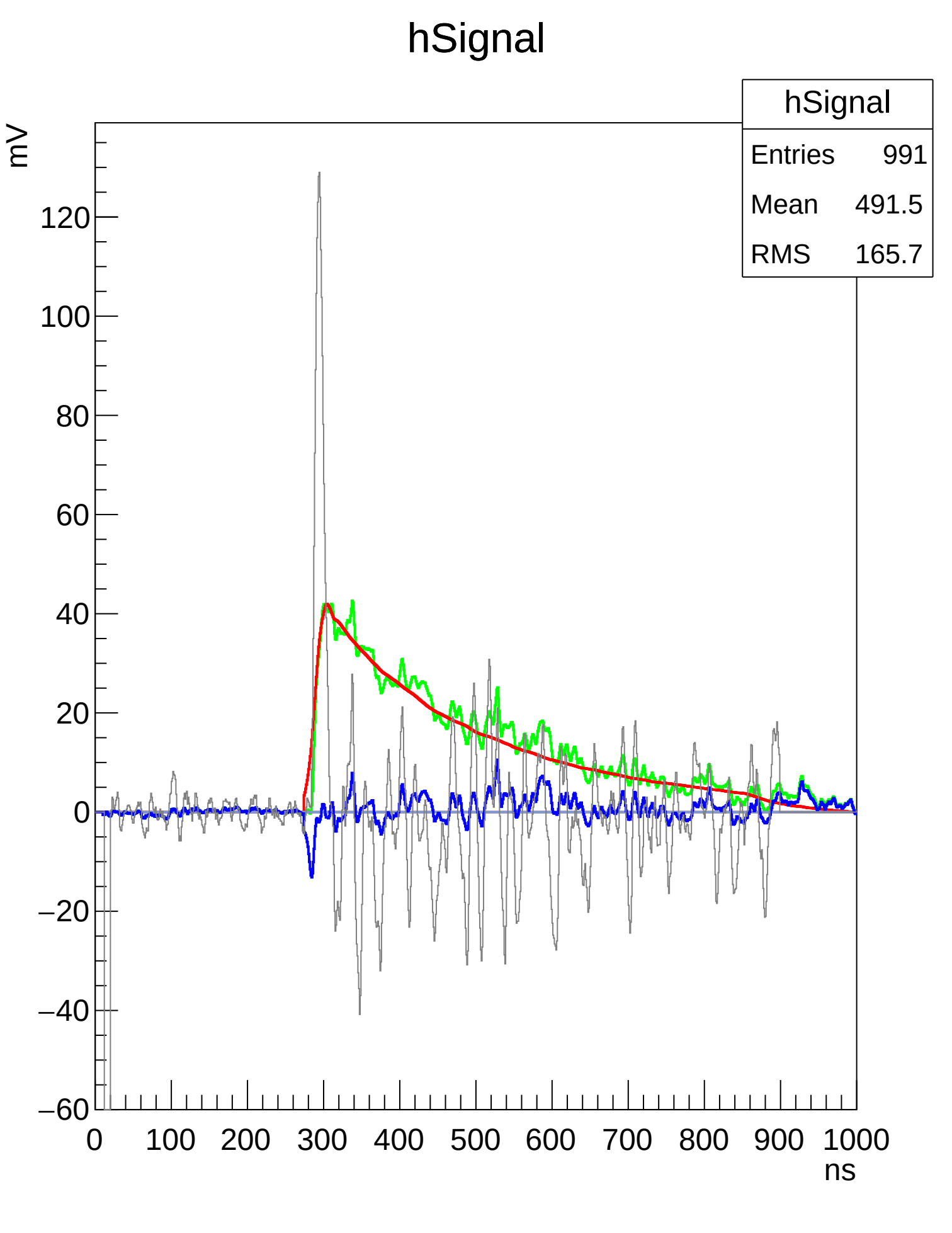

hSignal
hSignal
Entries 991
Mean 538.1
RMS 167.1
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

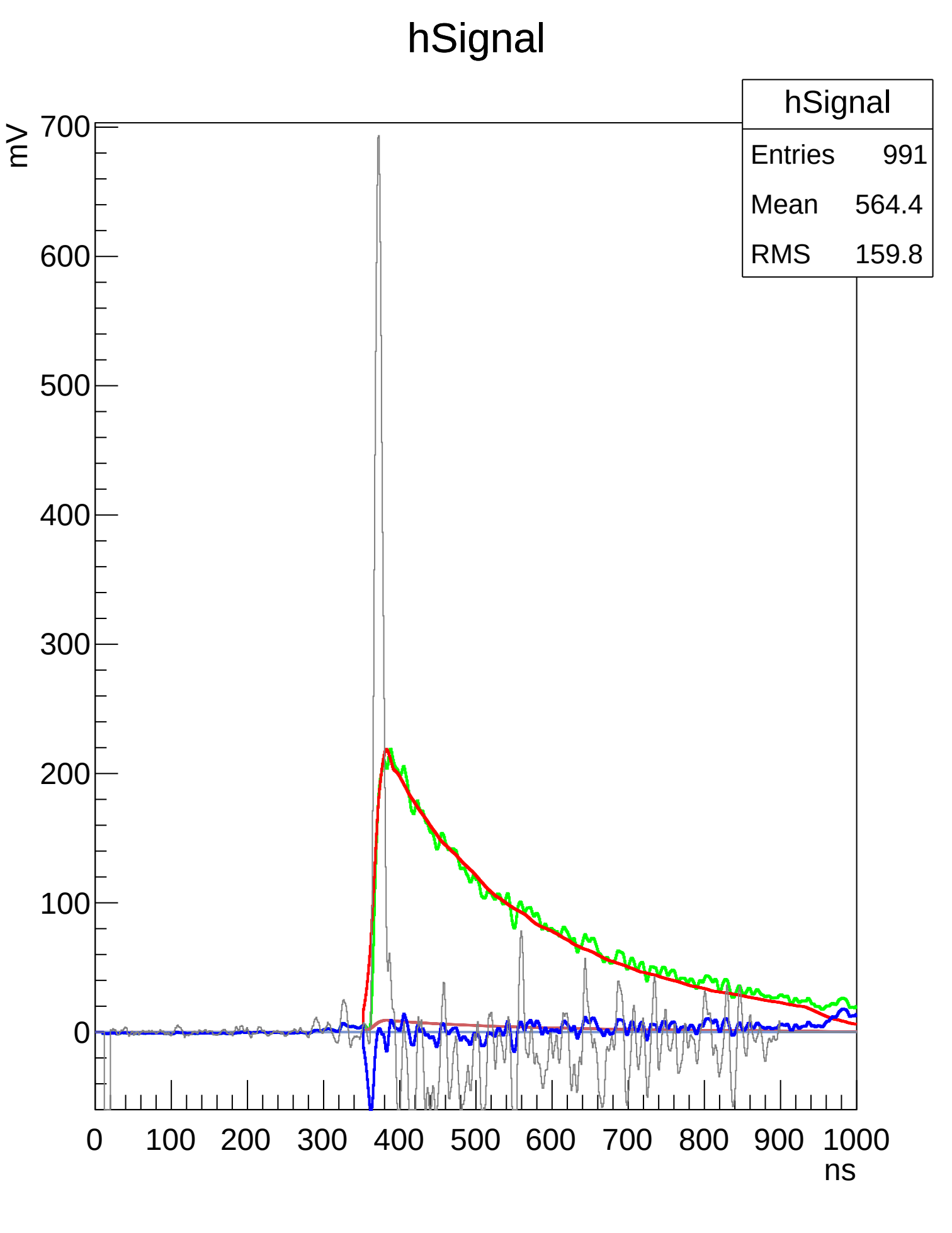

hSignal
hSignal
Entries 991
Mean 572.3
RMS 159.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

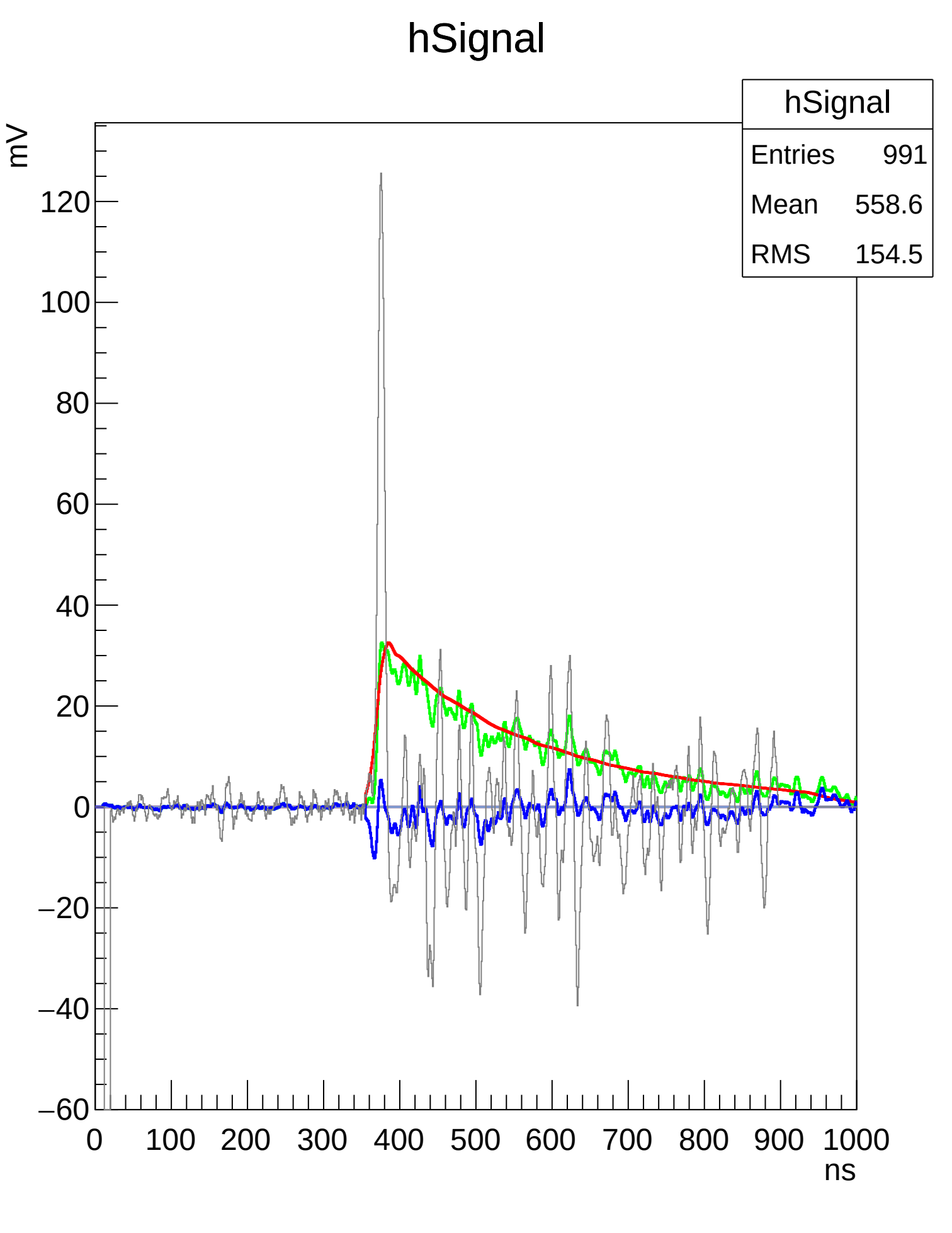

hSignal
hSignal
Entries 991
Mean 534.4
RMS 168.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

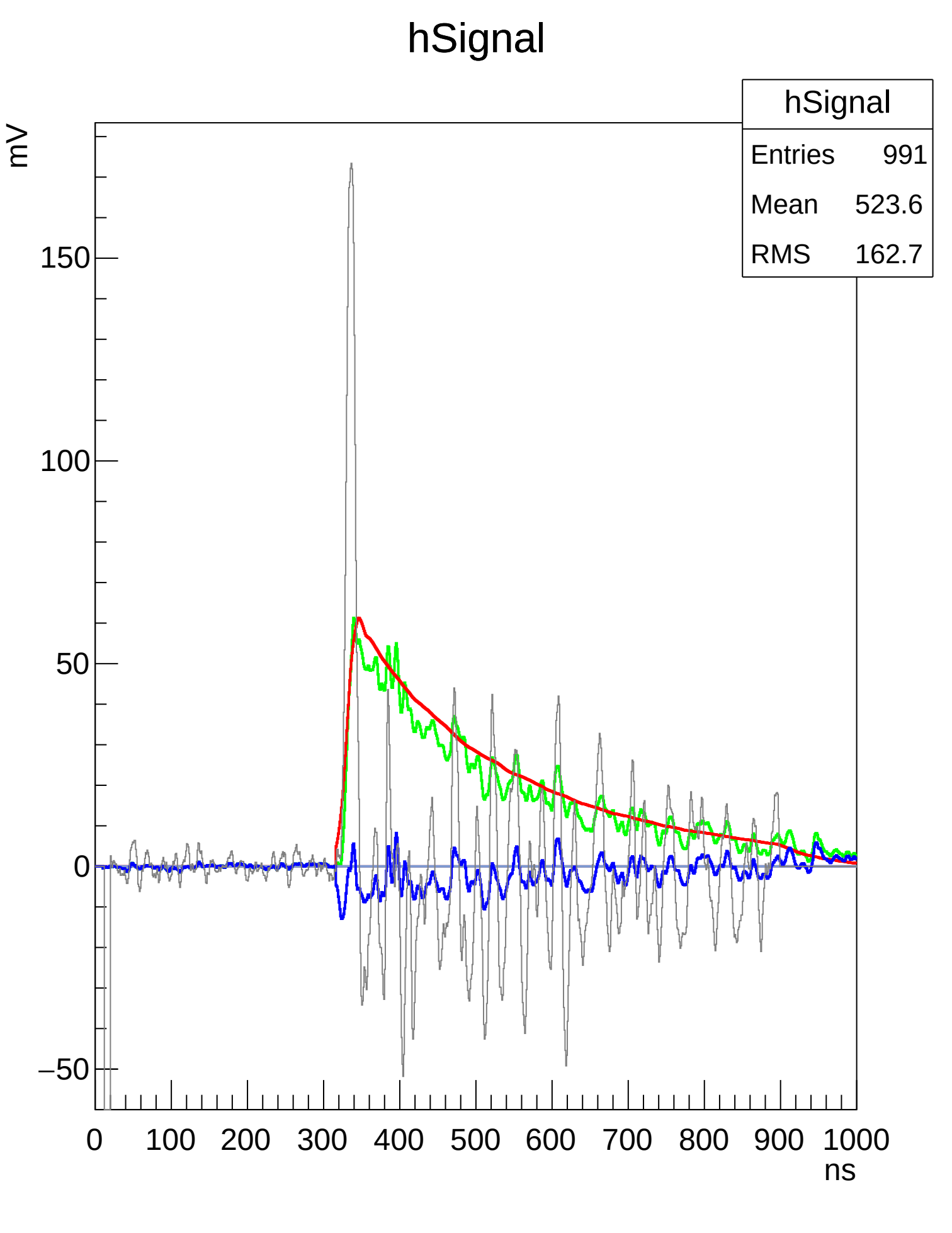

hSignal
hSignal
Entries 991
Mean 495.2
RMS 174.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

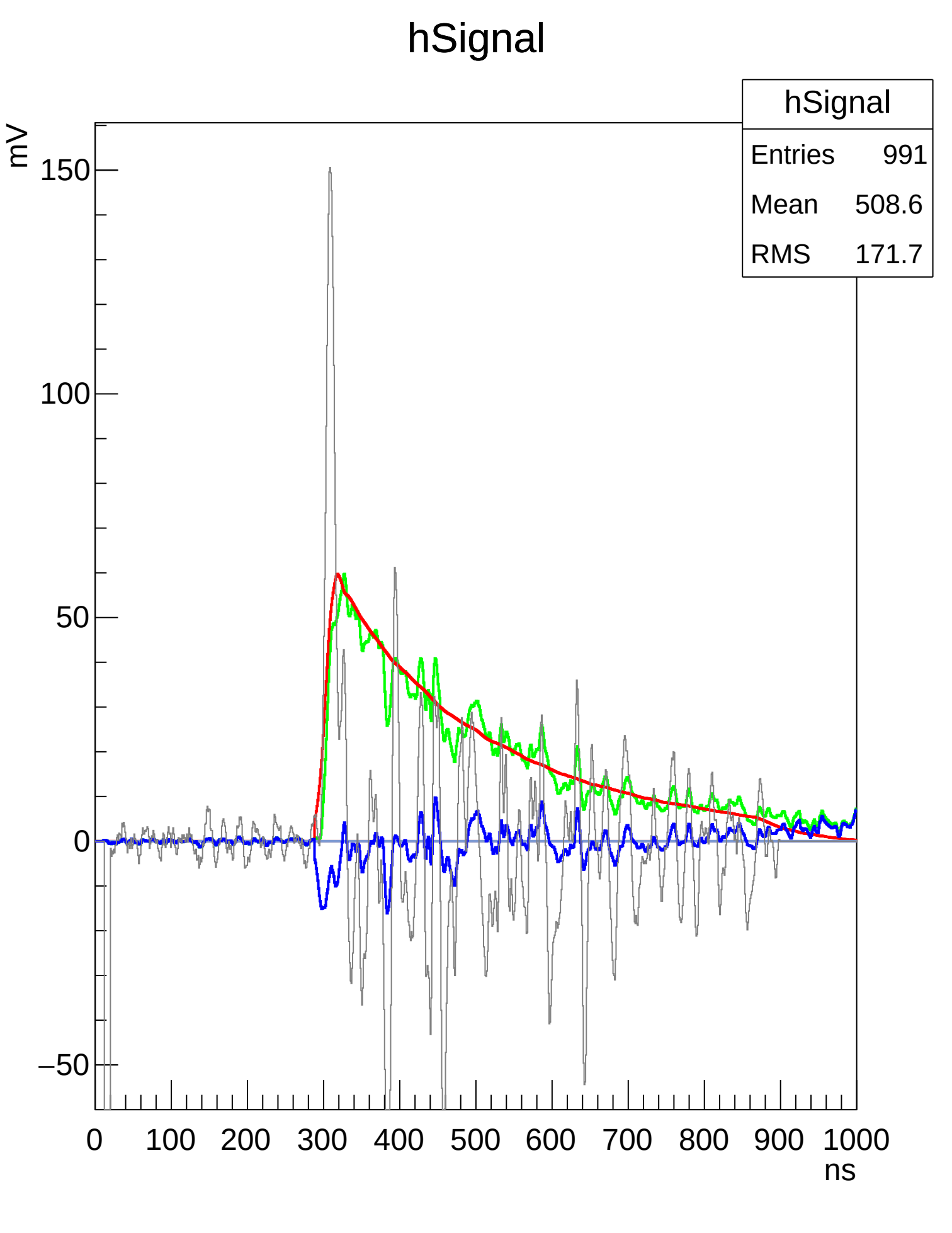

hSignal
hSignal
Entries 991
Mean 561.5
RMS 159.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

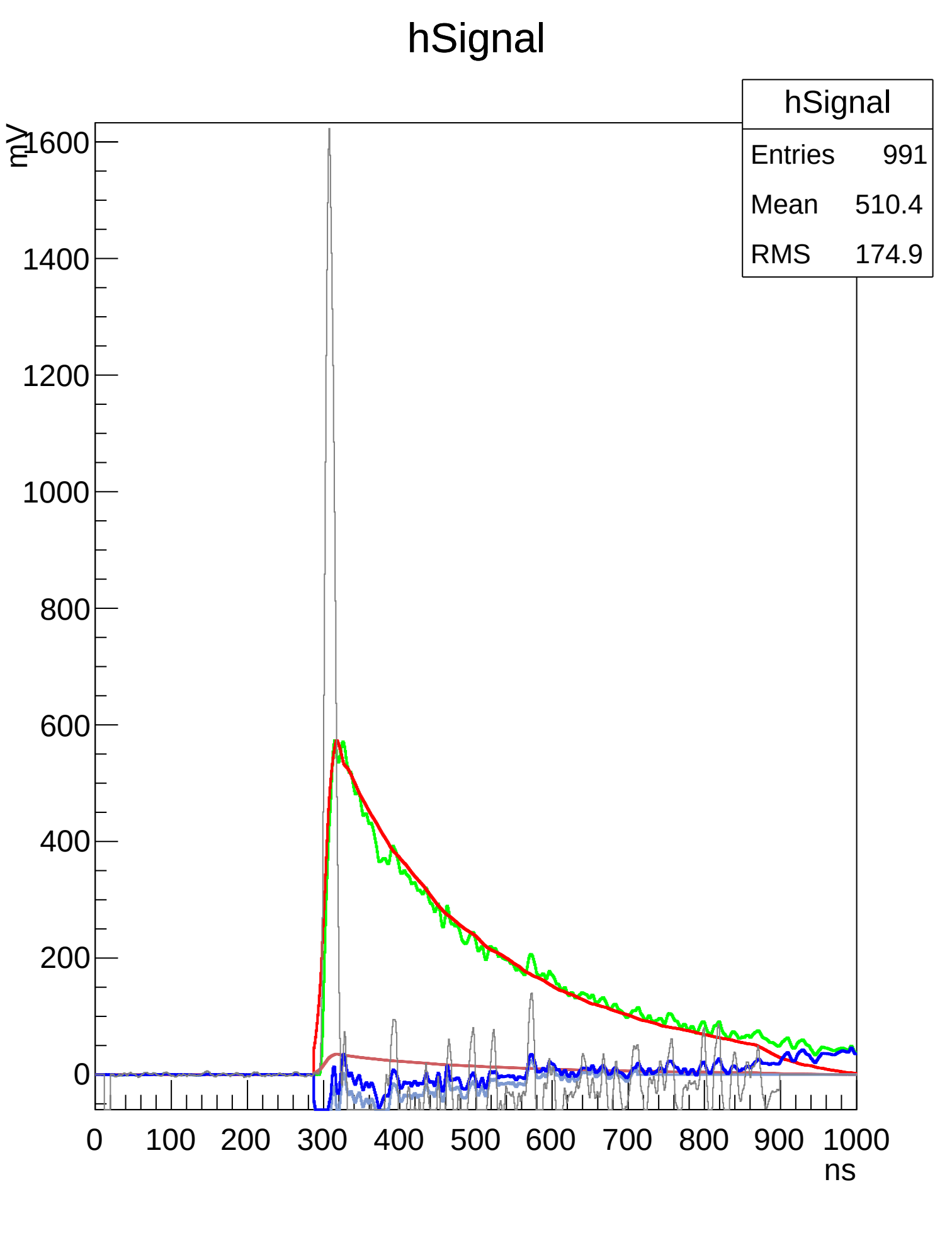

hSignal
hSignal
Entries 991
Mean 491.5
RMS 165.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

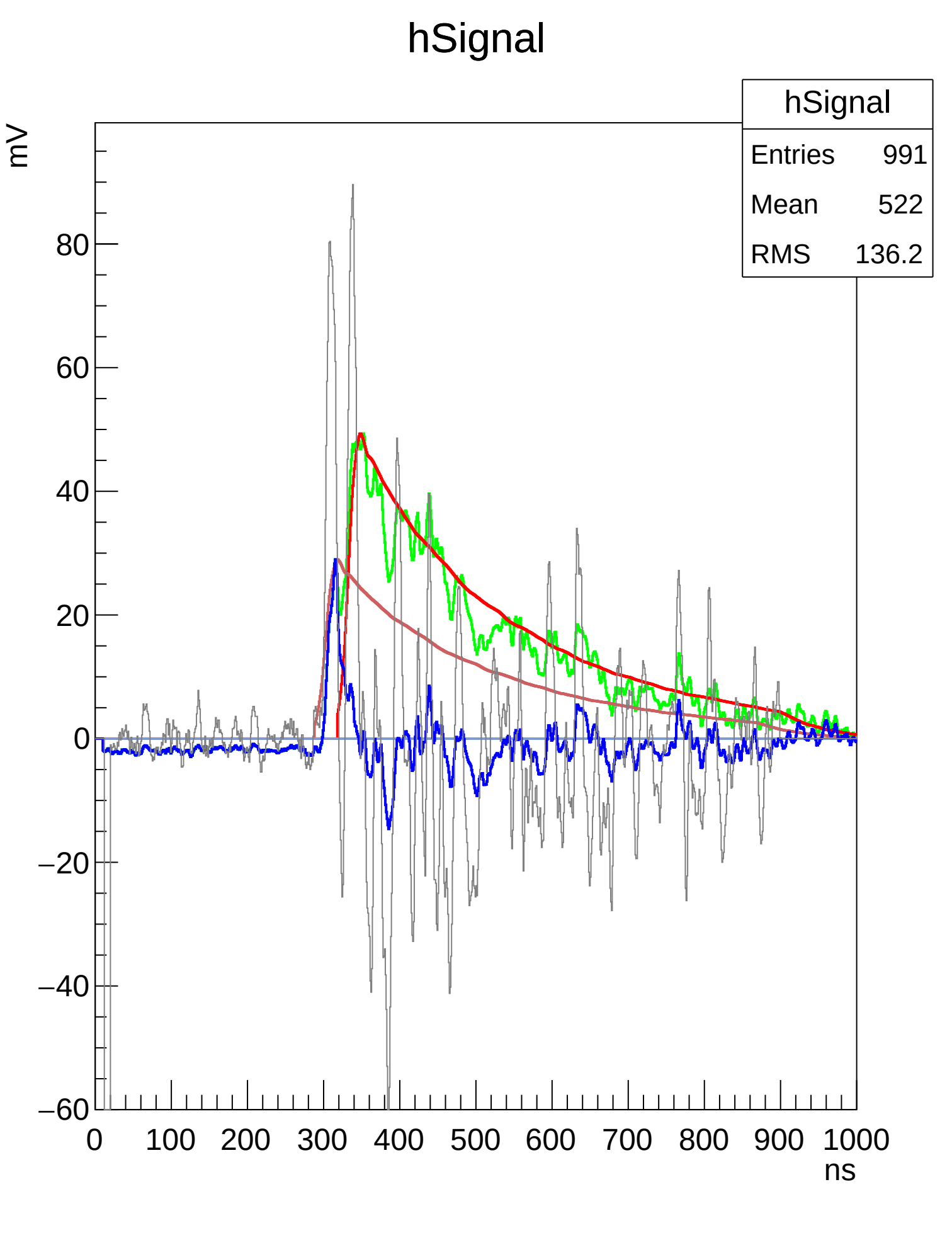

hSignal
hSignal
Entries 991
Mean 564.4
RMS 159.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

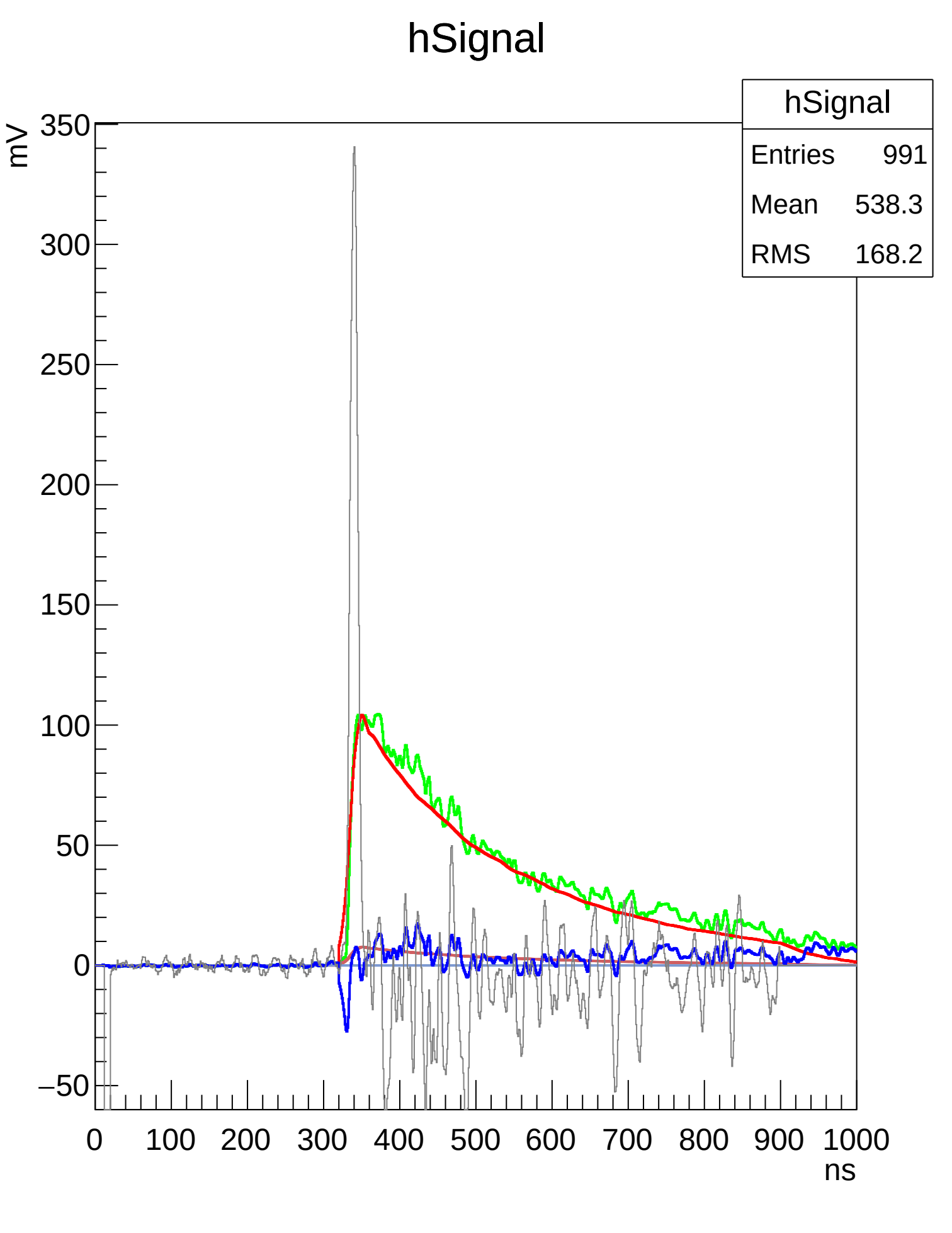

hSignal
hSignal
Entries 991
Mean 558.6
RMS 154.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

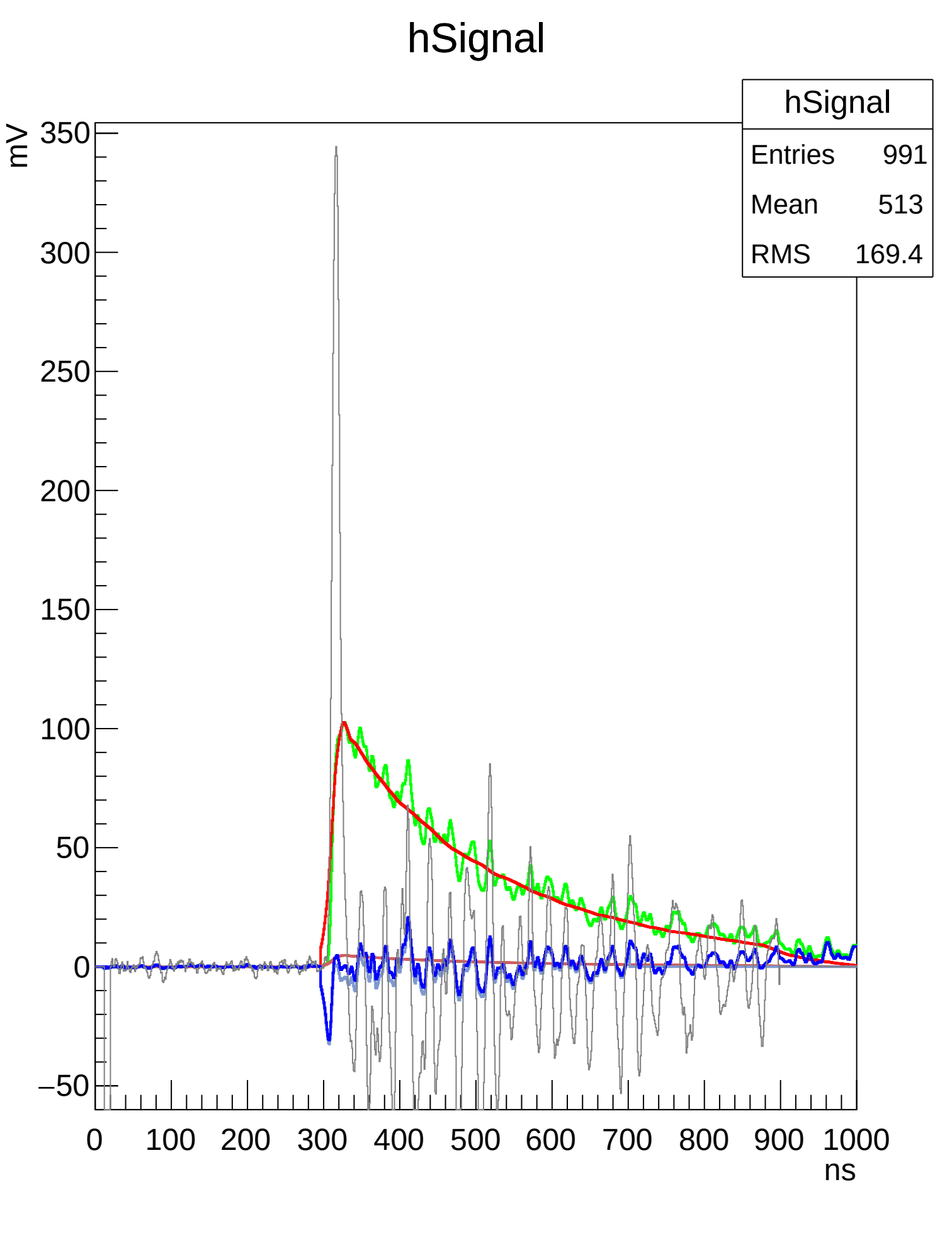

hSignal
hSignal
Entries 991
Mean 523.6
RMS 162.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

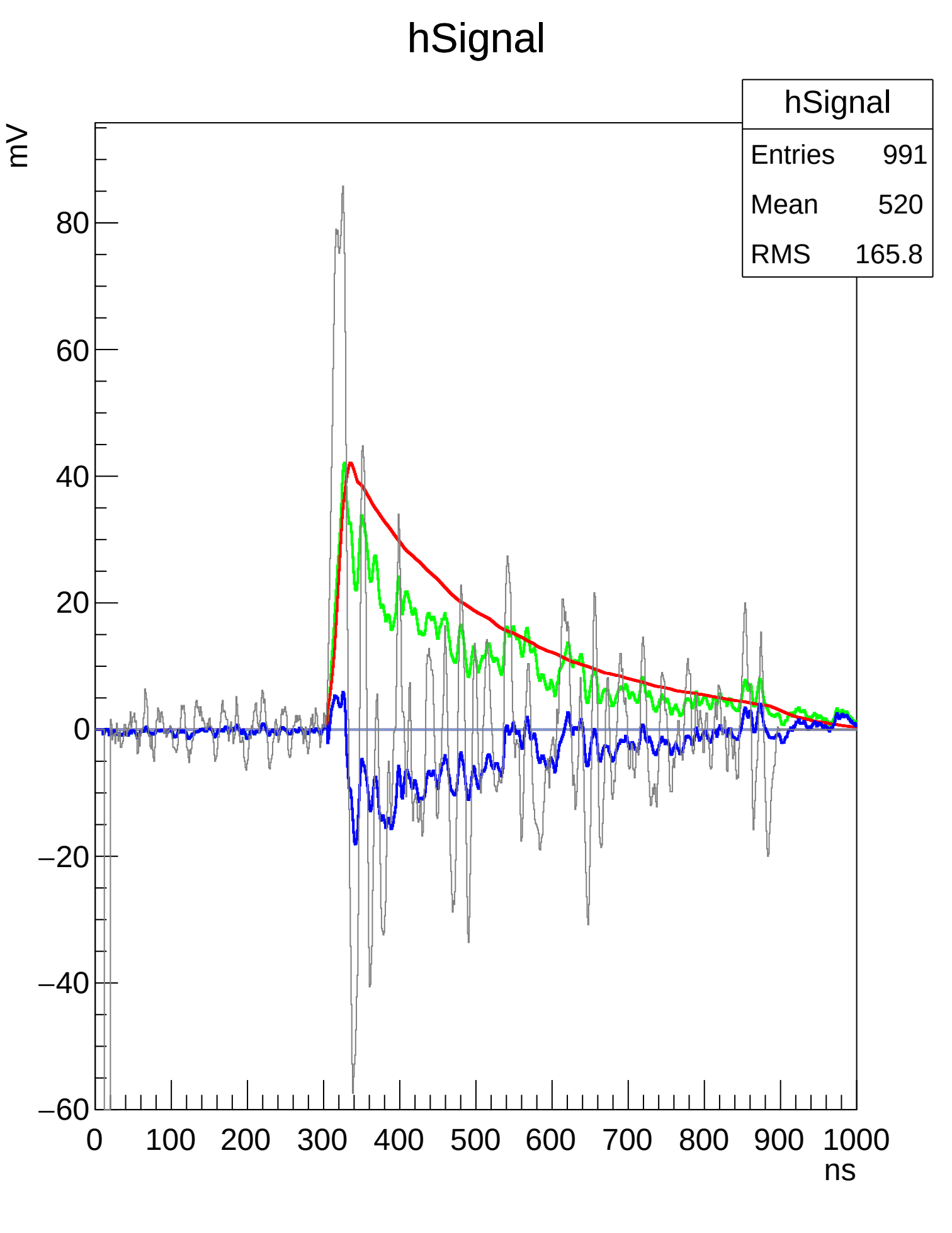

hSignal
hSignal
Entries 991
Mean 508.6
RMS 171.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

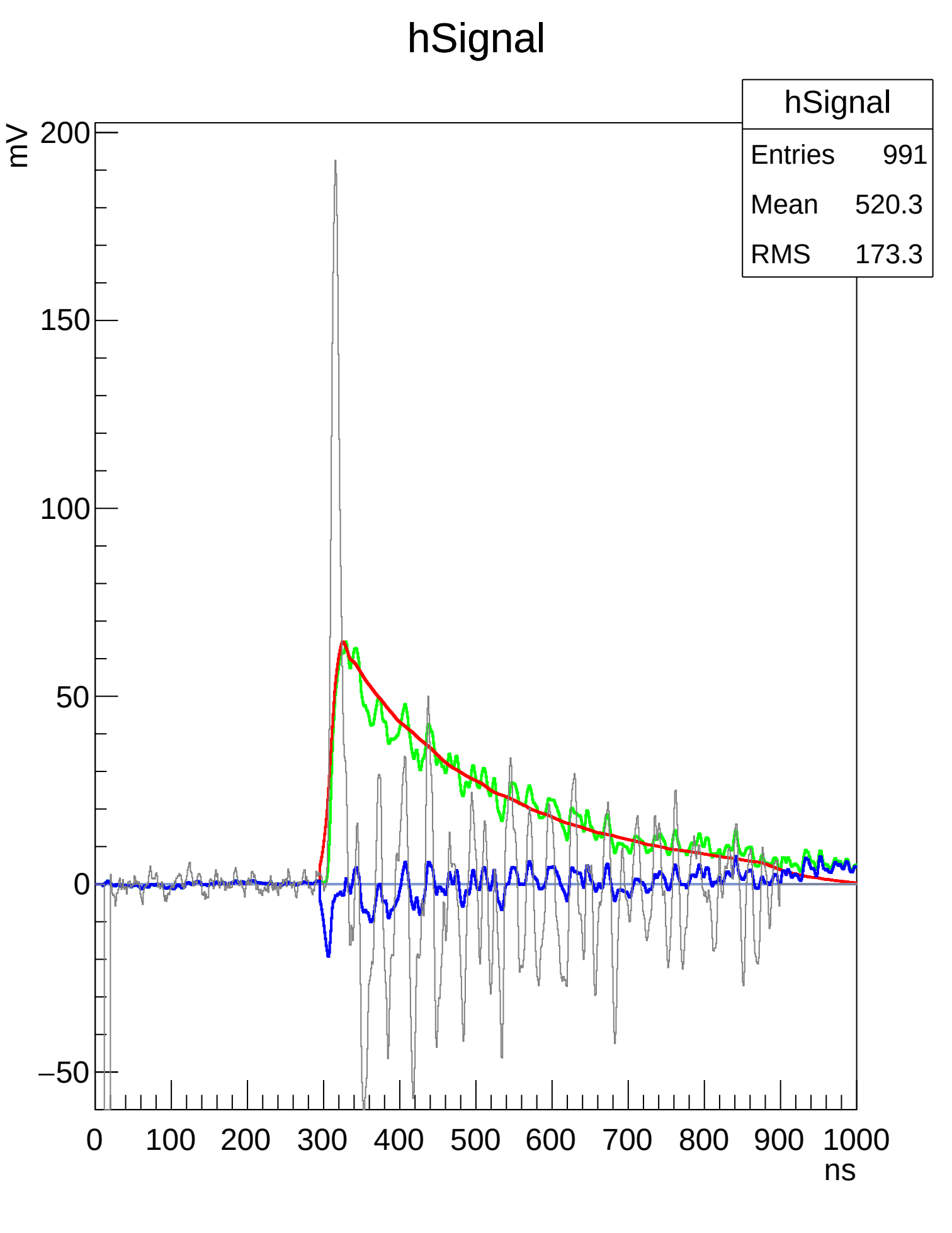

hSignal
hSignal
Entries 991
Mean 510.4
RMS 174.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

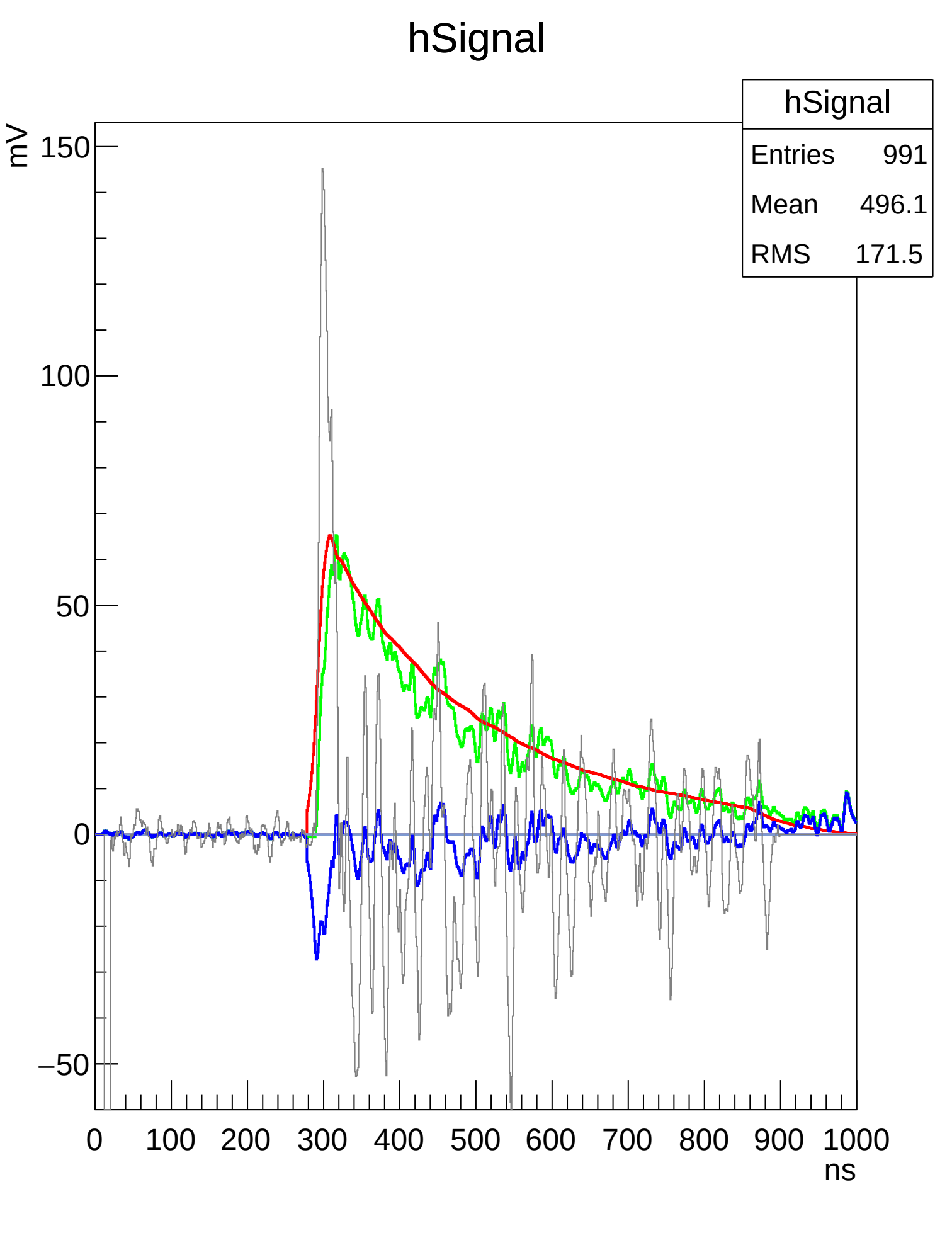

hSignal
hSignal
Entries 991
Mean 522
RMS 136.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

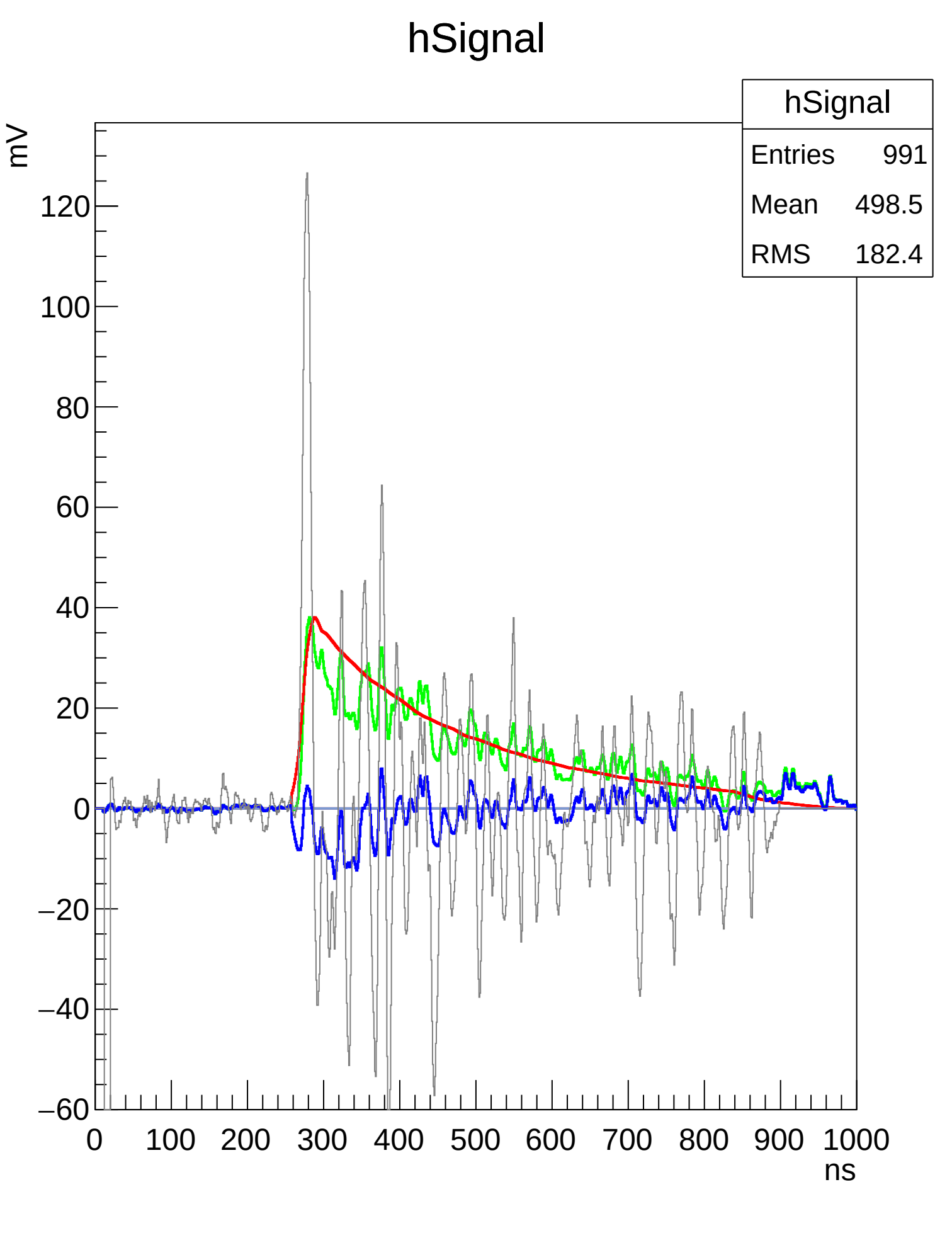

hSignal
hSignal
Entries 991
Mean 538.3
RMS 168.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

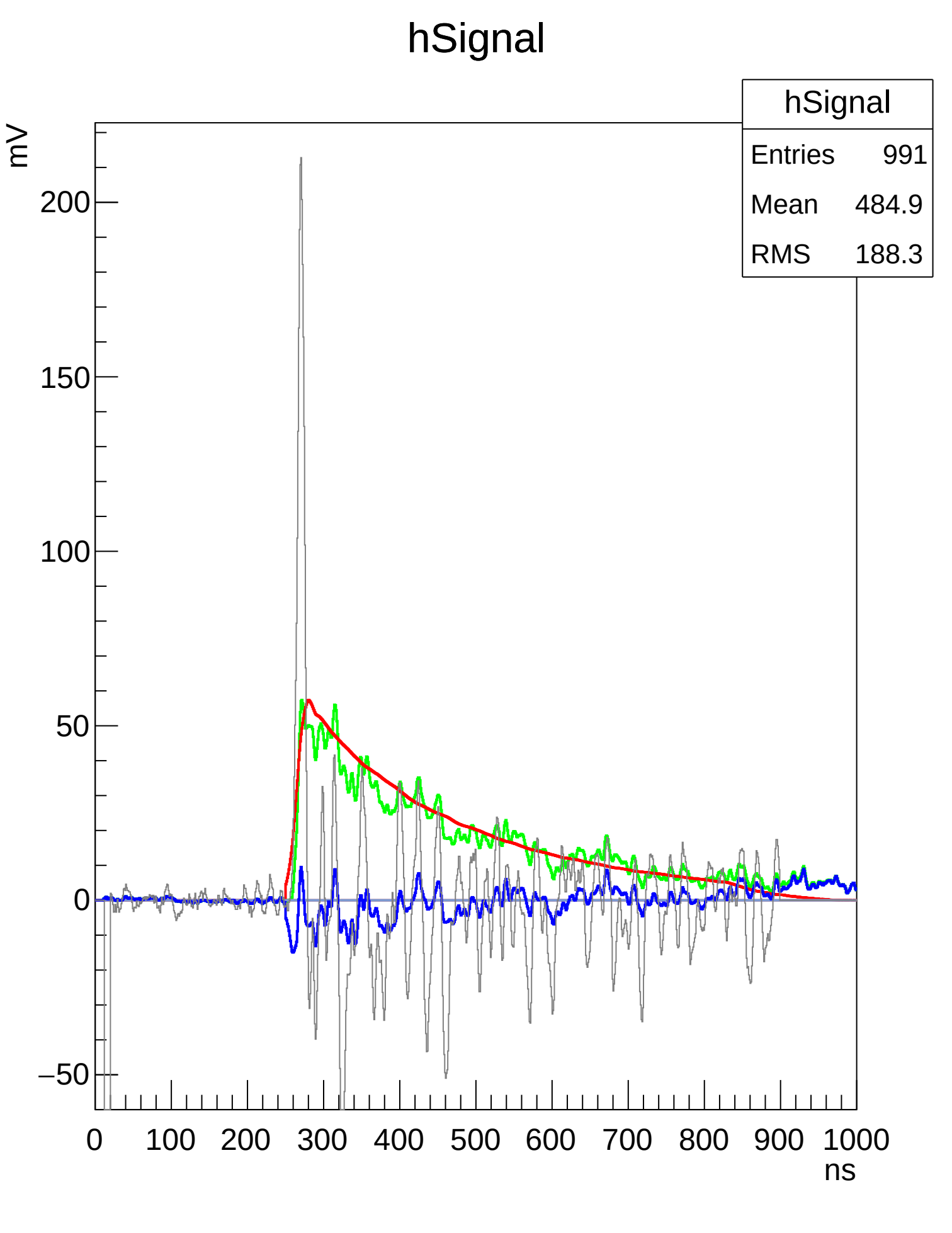

hSignal
hSignal
Entries 991
Mean 513
RMS 169.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

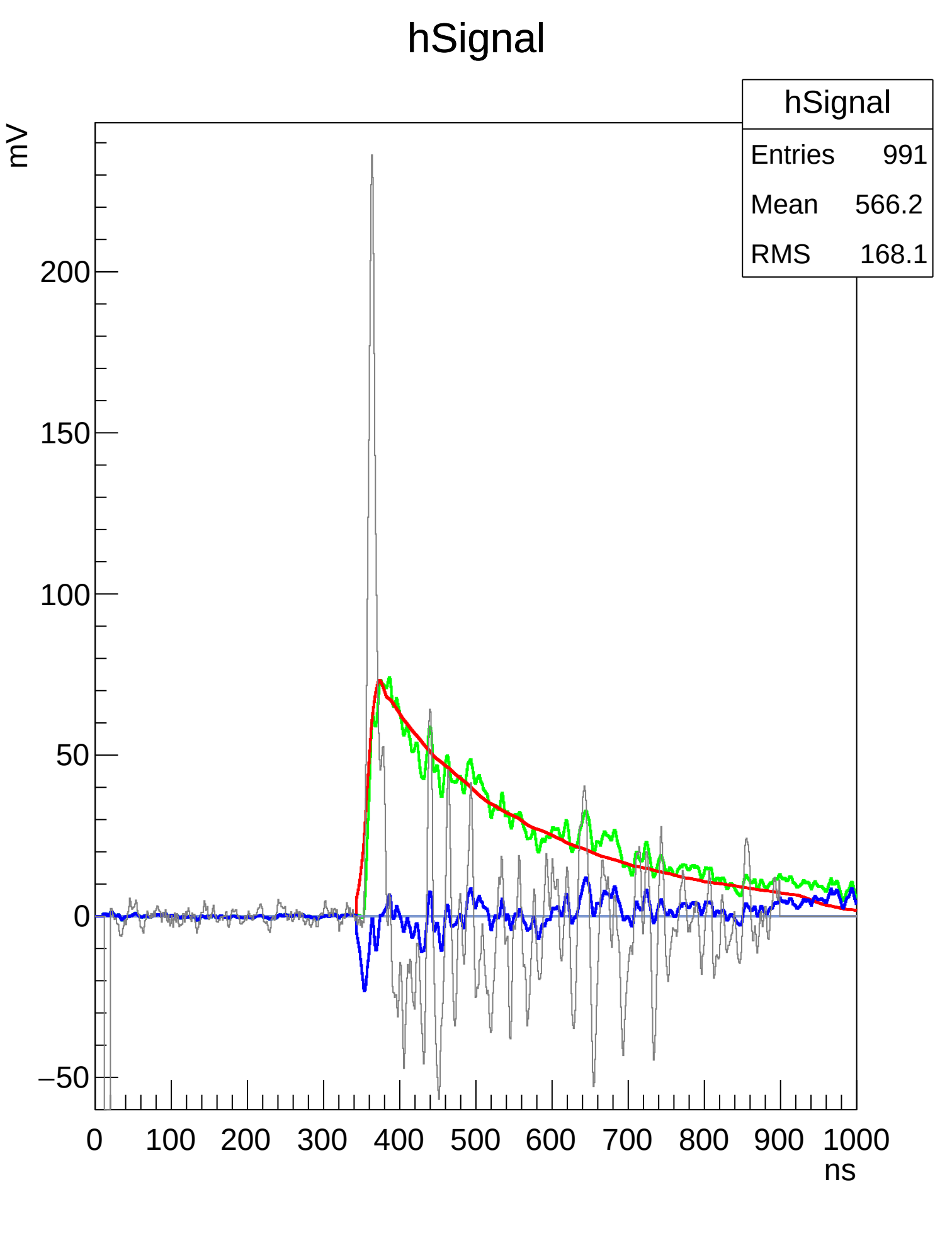

hSignal
hSignal
Entries 991
Mean 520
RMS 165.8
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

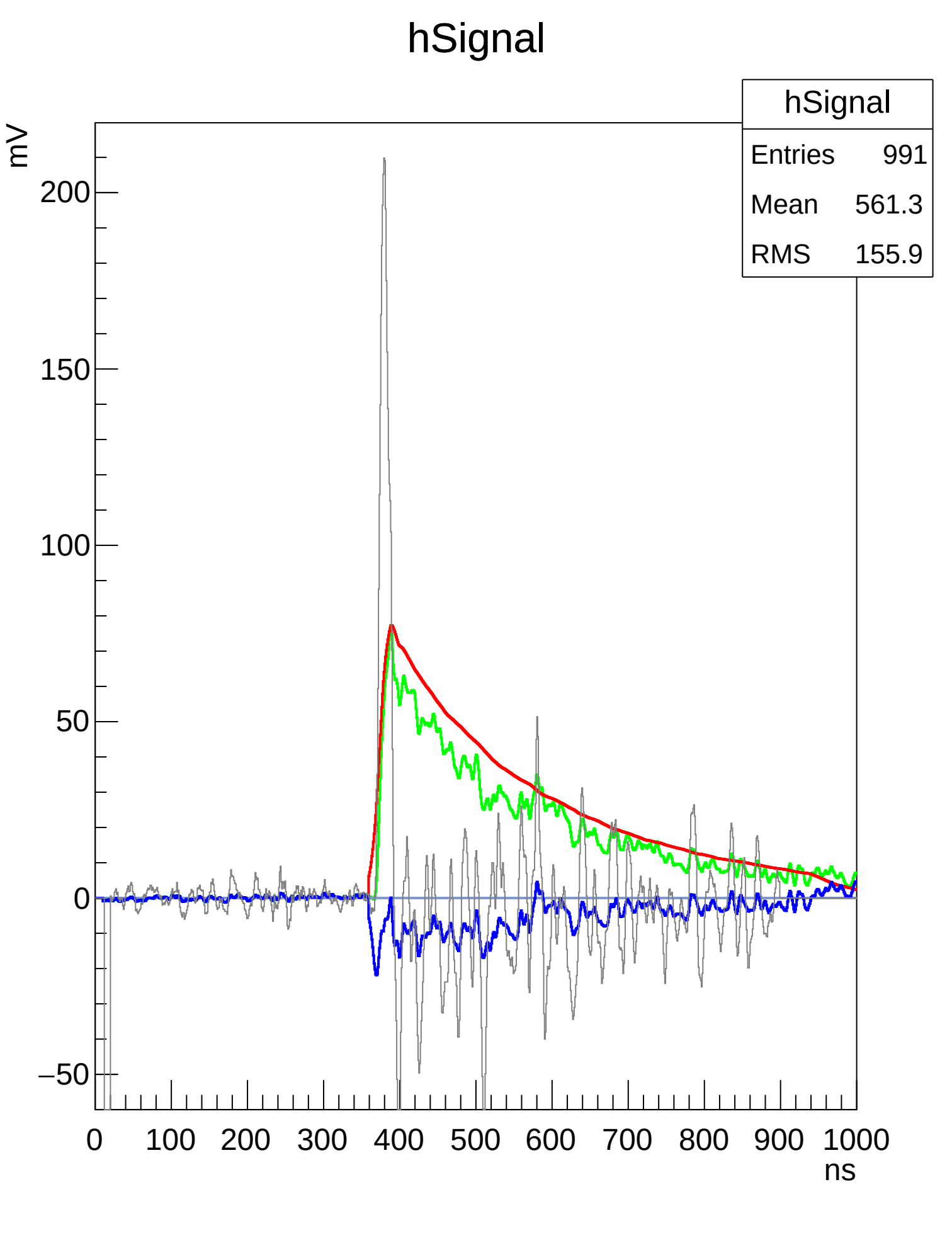

hSignal
hSignal
Entries 991
Mean 520.3
RMS 173.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

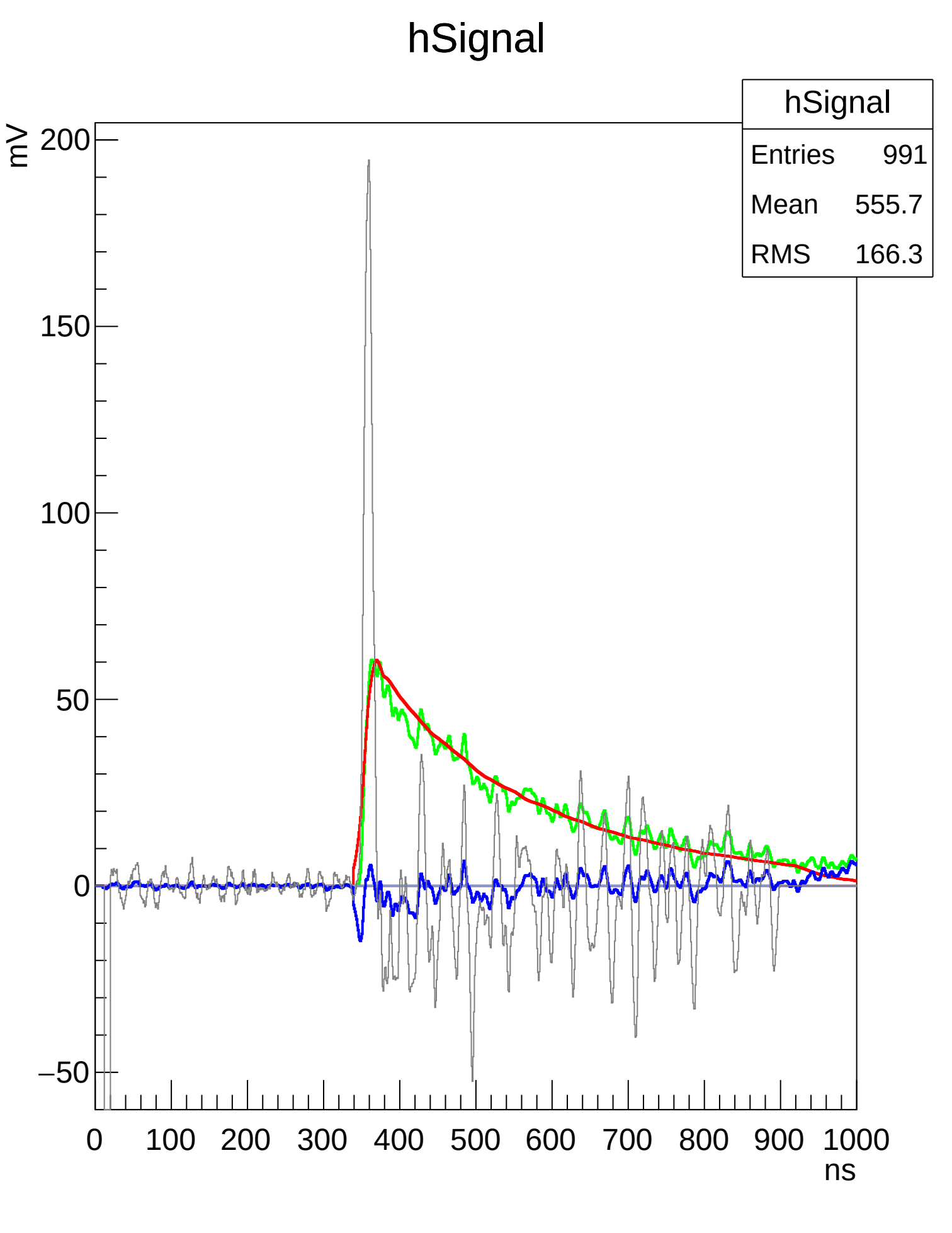

hSignal
hSignal
Entries 991
Mean 496.1
RMS 171.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

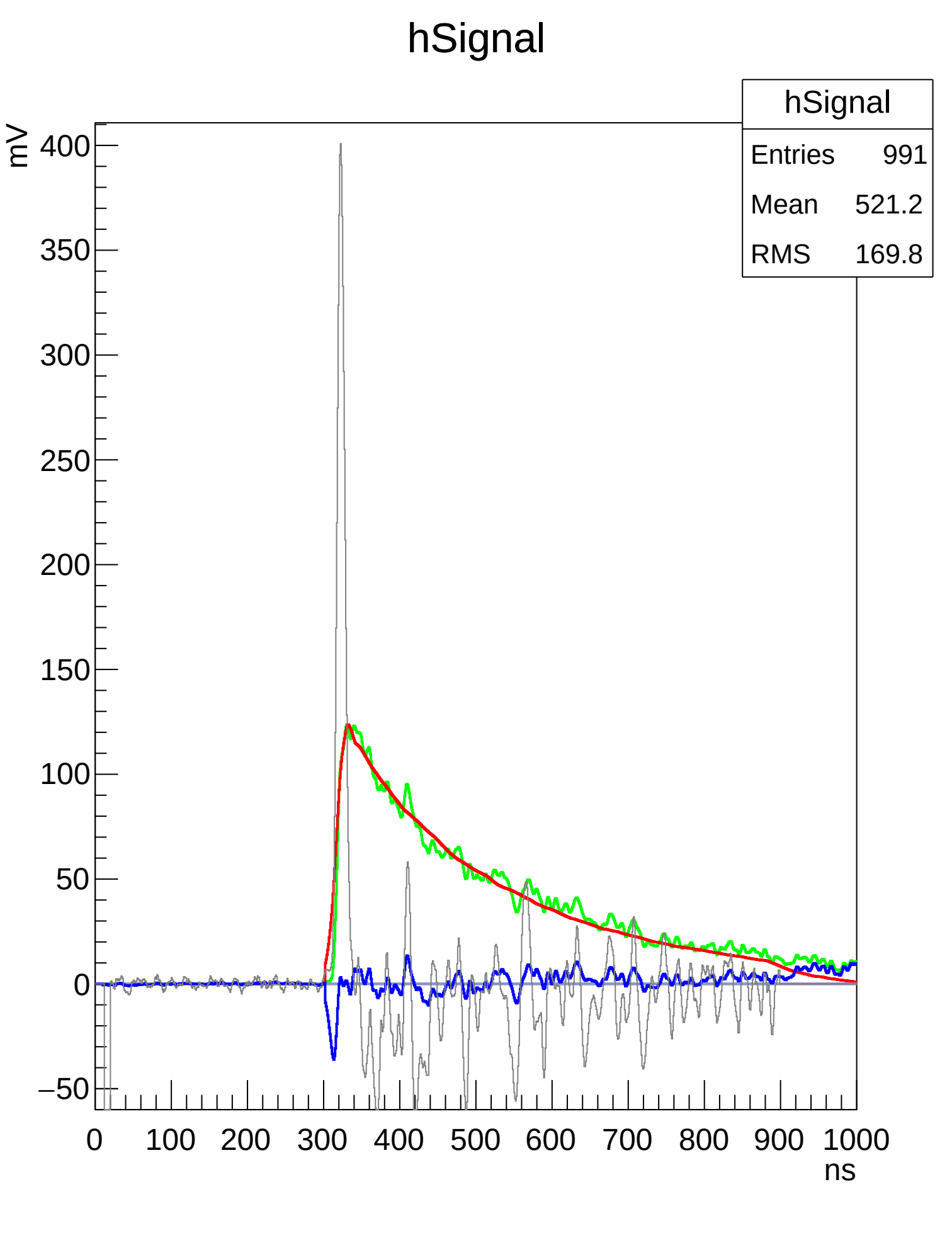

hSignal
hSignal
Entries 991
Mean 498.5
RMS 182.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

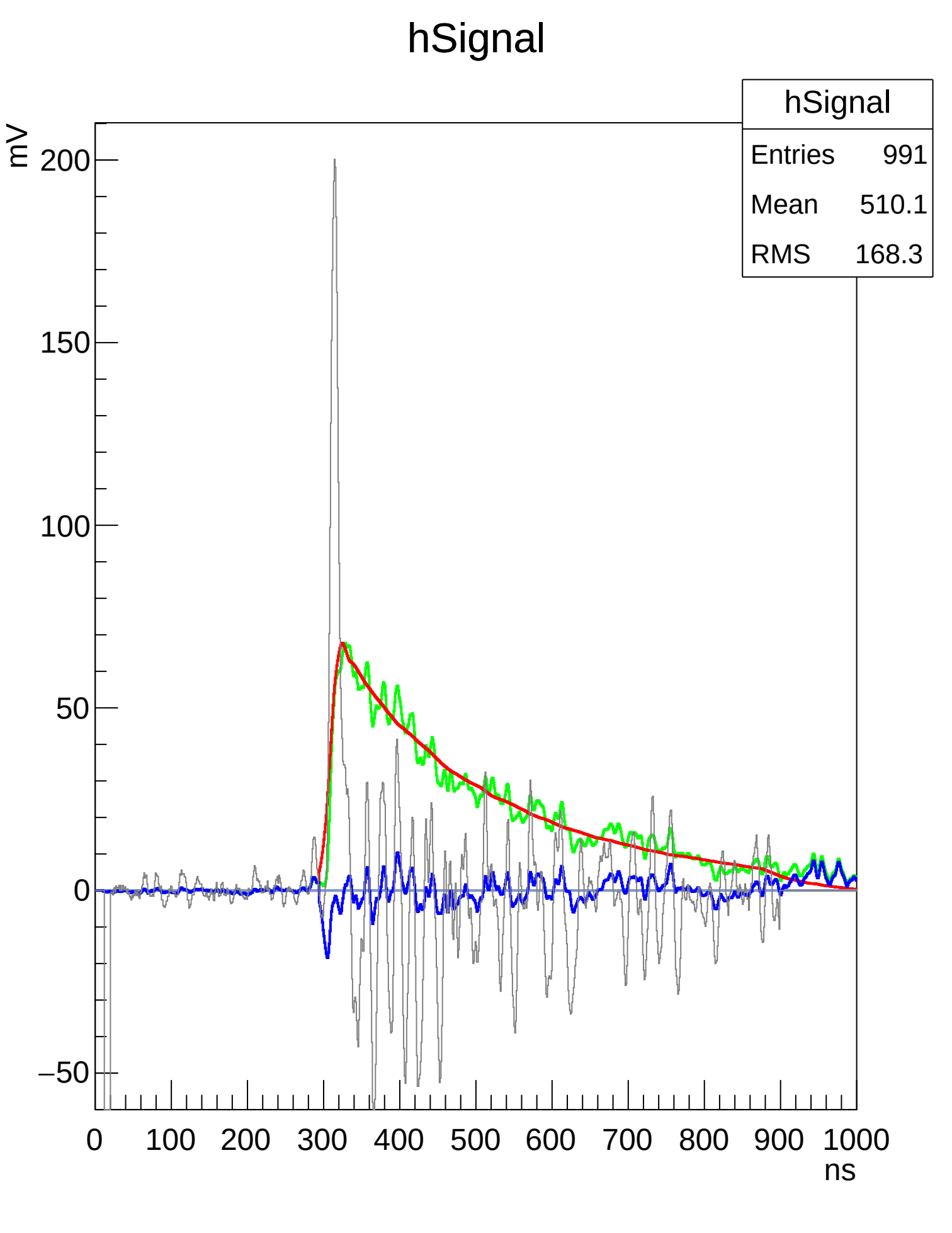

hSignal
hSignal
Entries 991
Mean 484.9
RMS 188.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

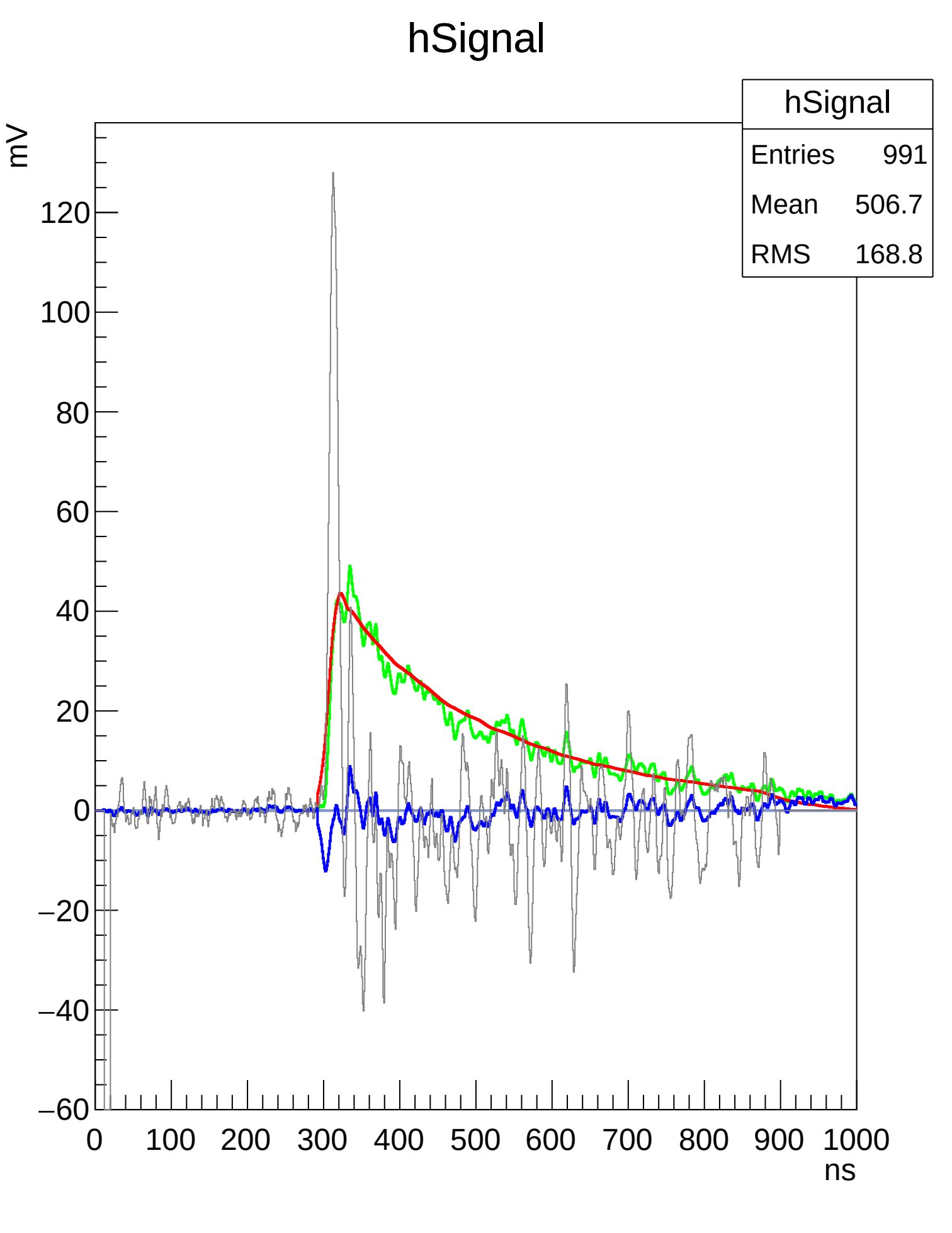

hSignal
hSignal
Entries 991
Mean 566.2
RMS 168.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

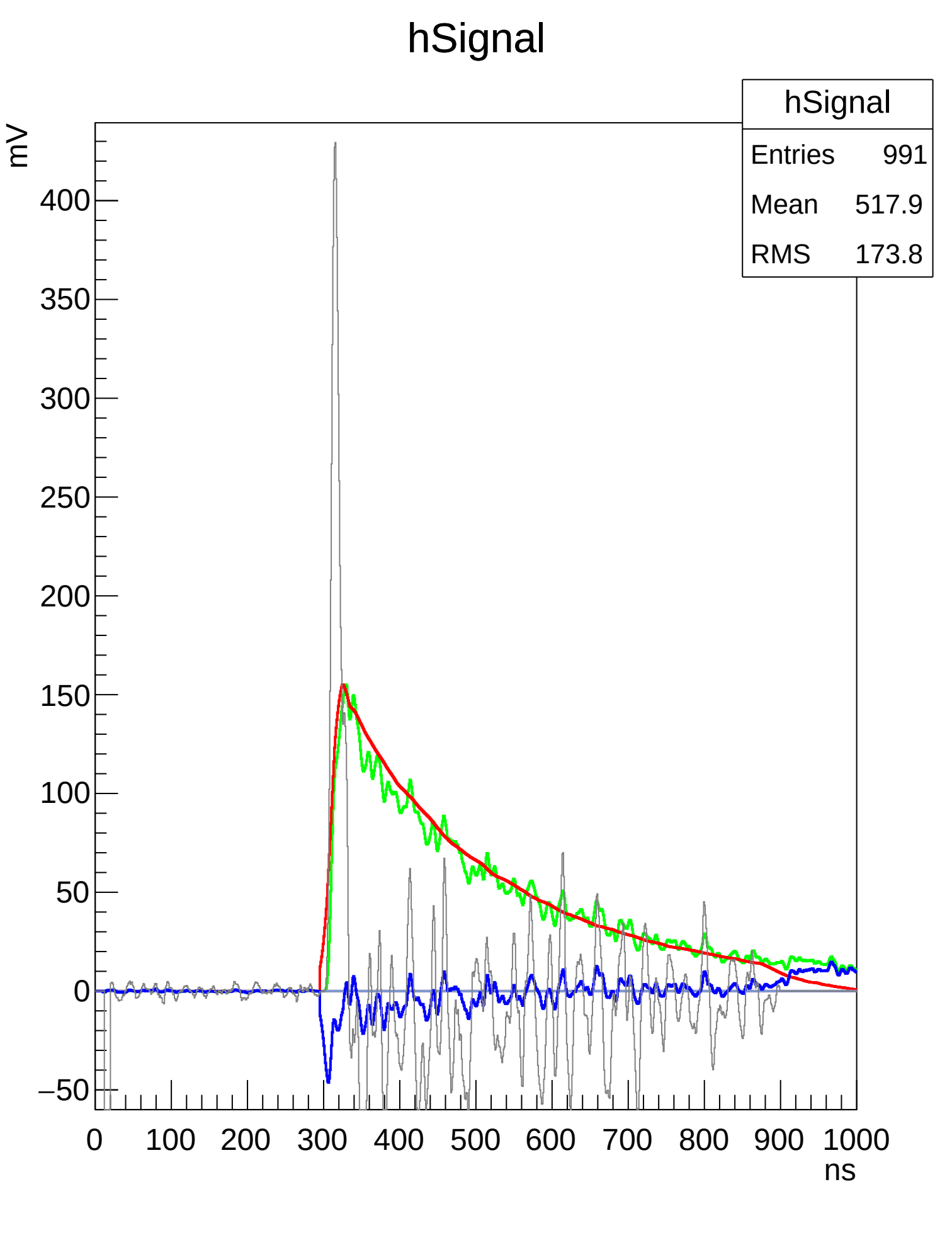

hSignal
hSignal
Entries 991
Mean 561.3
RMS 155.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

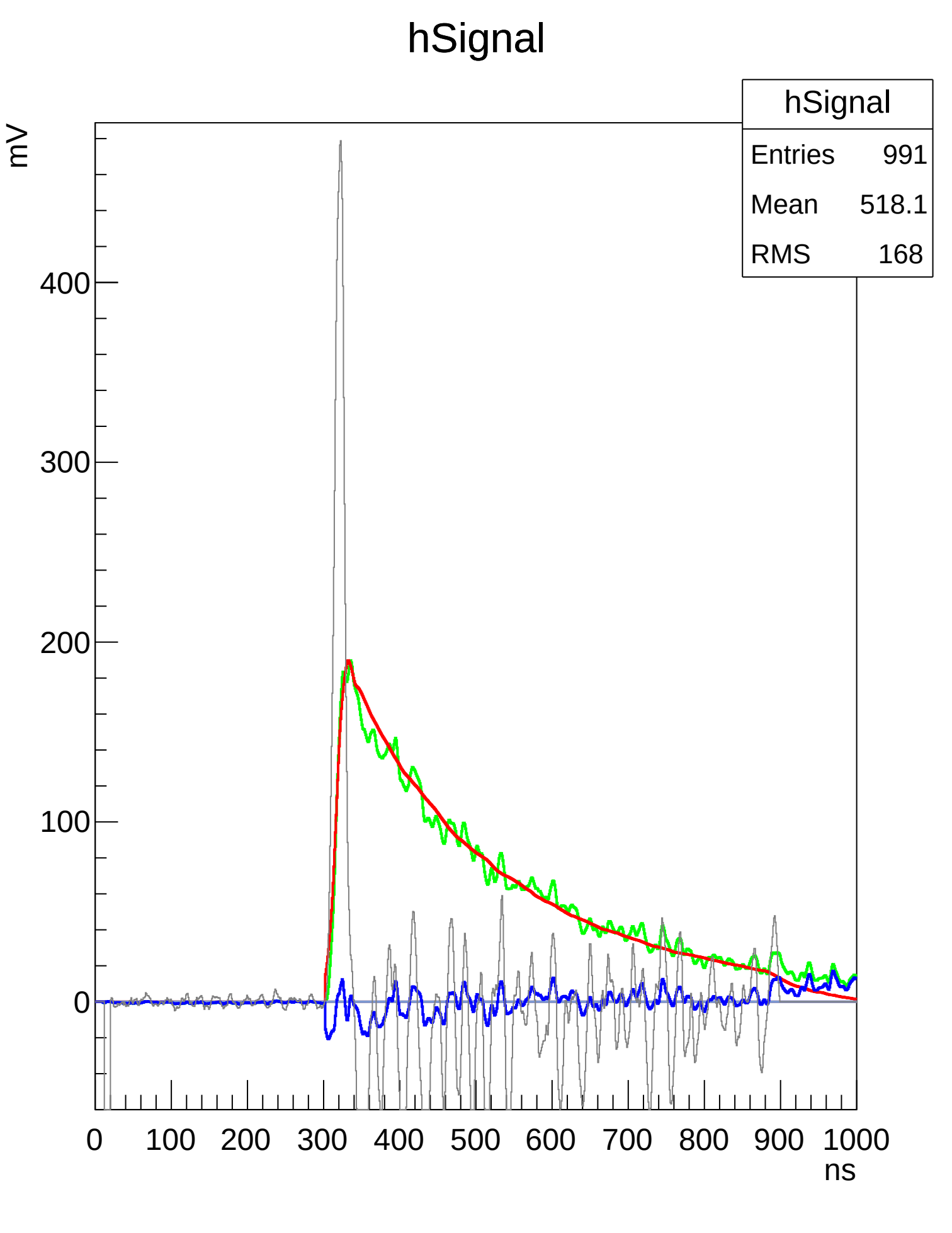

hSignal
hSignal
Entries 991
Mean 555.7
RMS 166.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

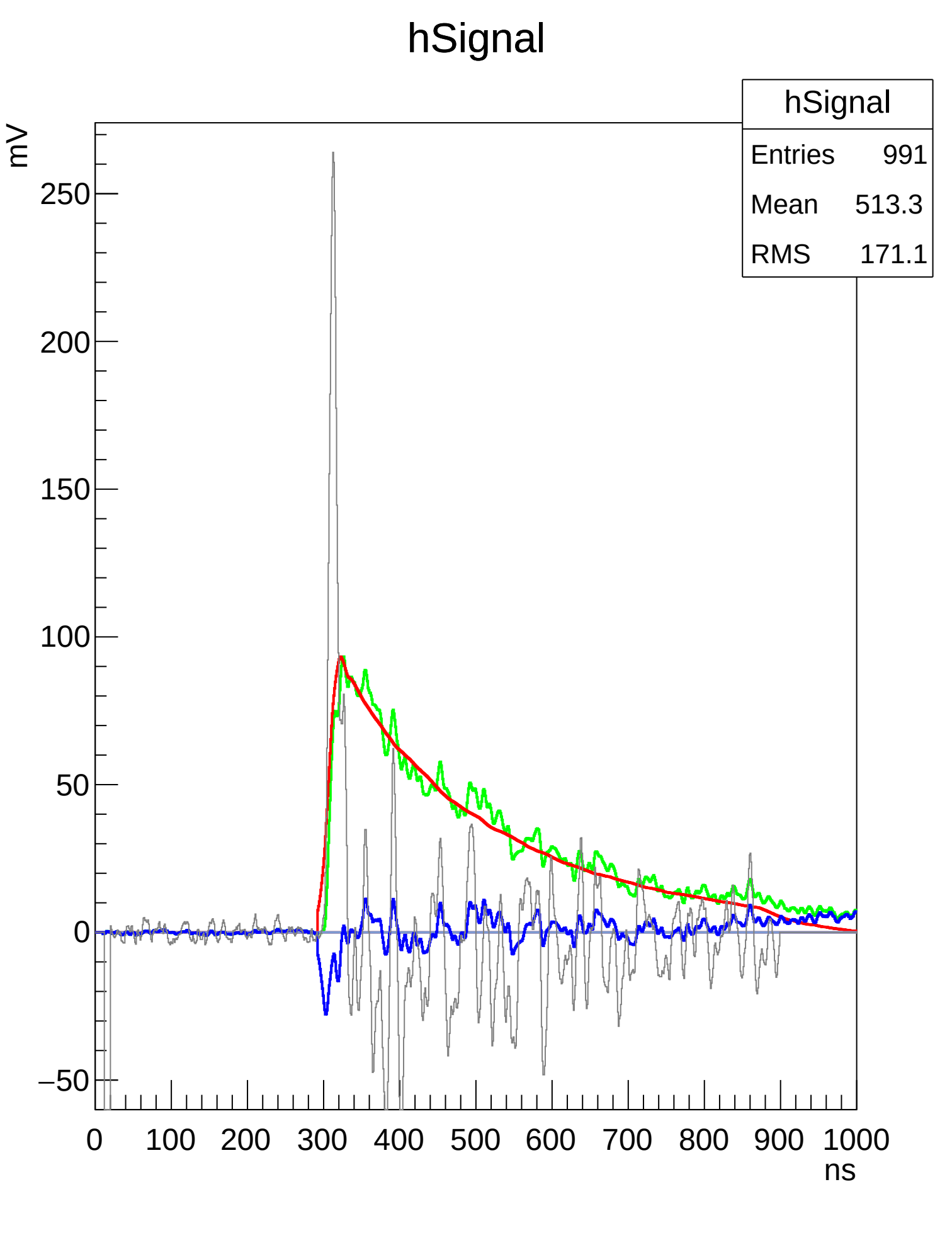

hSignal
hSignal
Entries 991
Mean 521.2
RMS 169.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

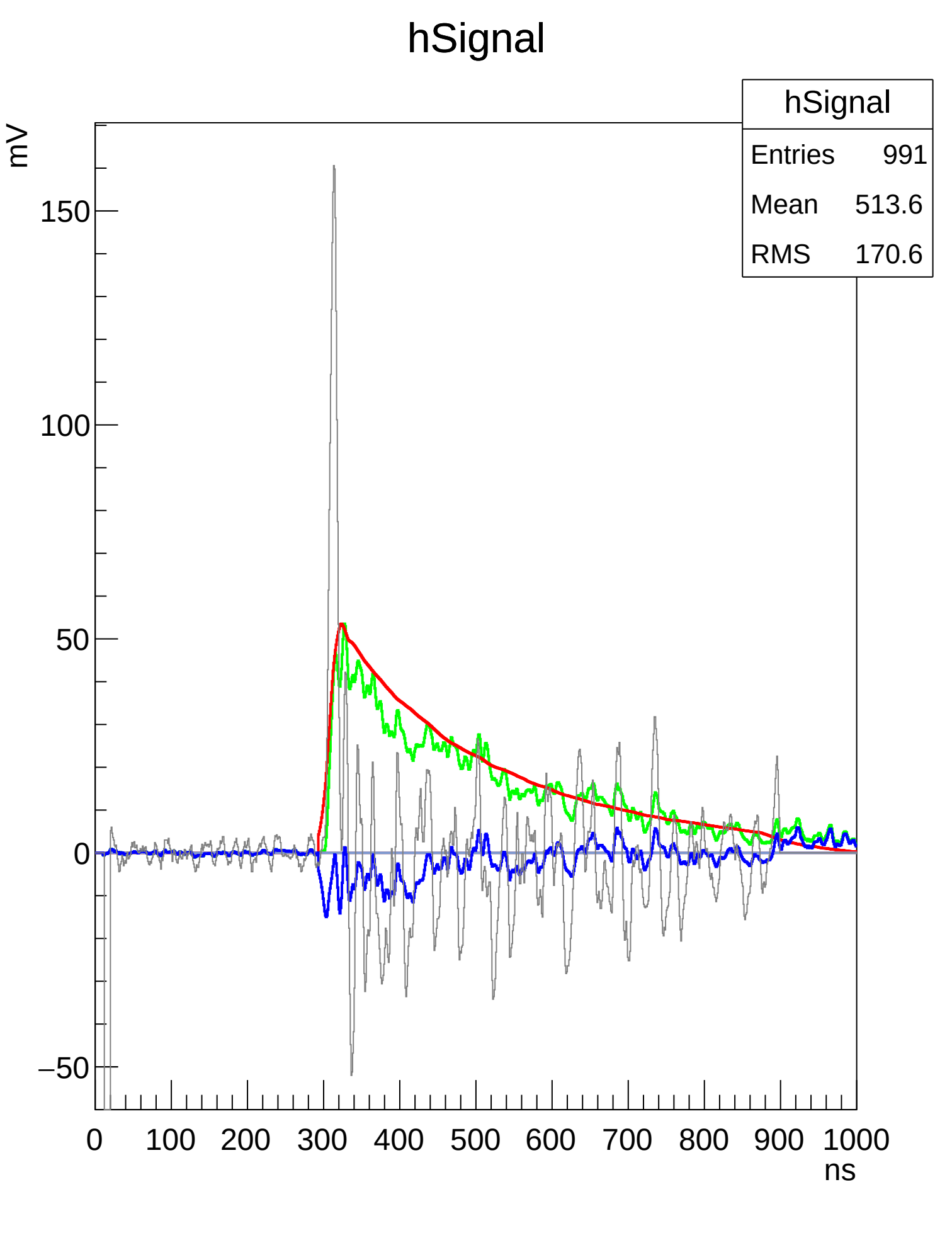

hSignal
hSignal
Entries 991
Mean 510.1
RMS 168.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

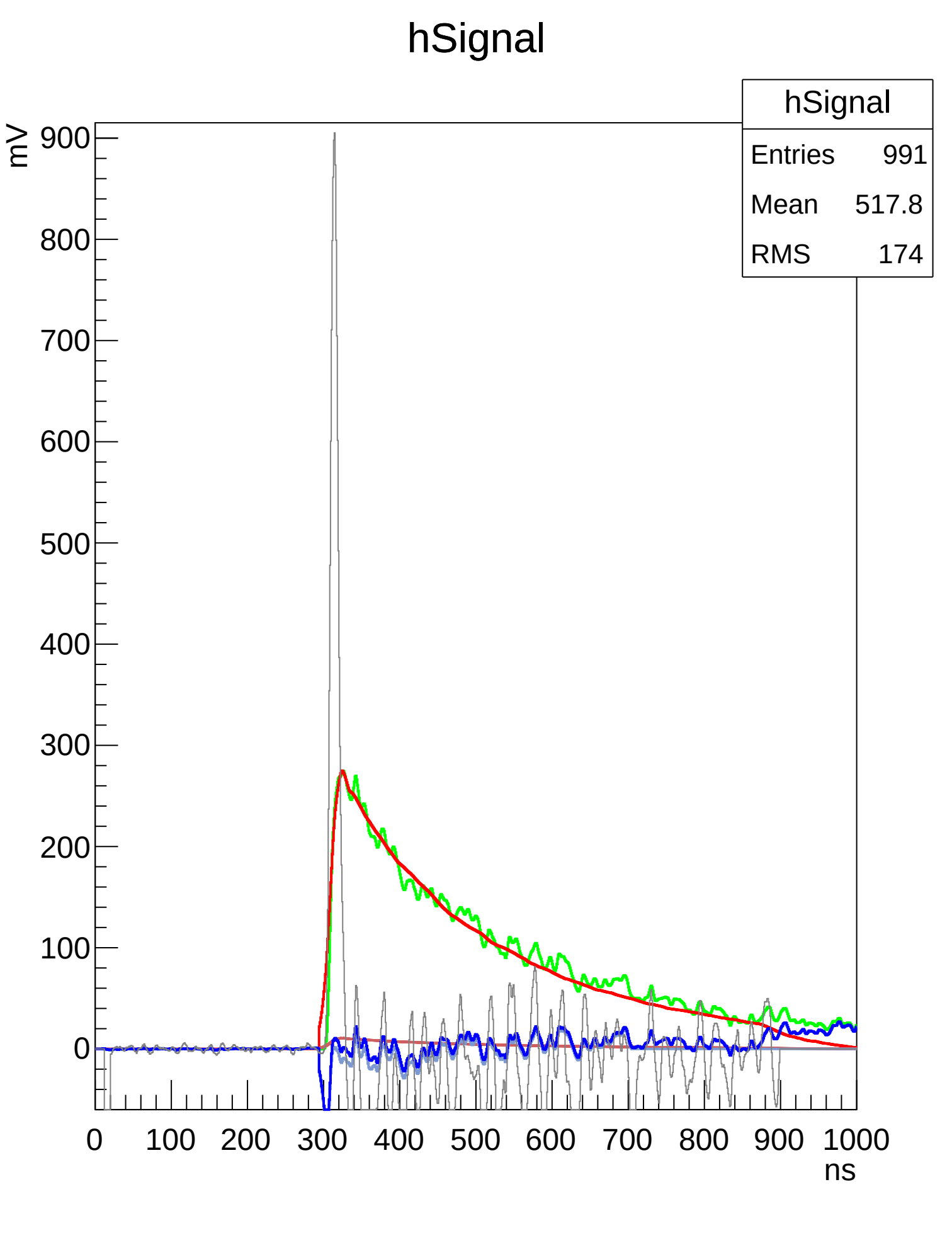

hSignal
hSignal
Entries 991
Mean 506.7
RMS 168.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

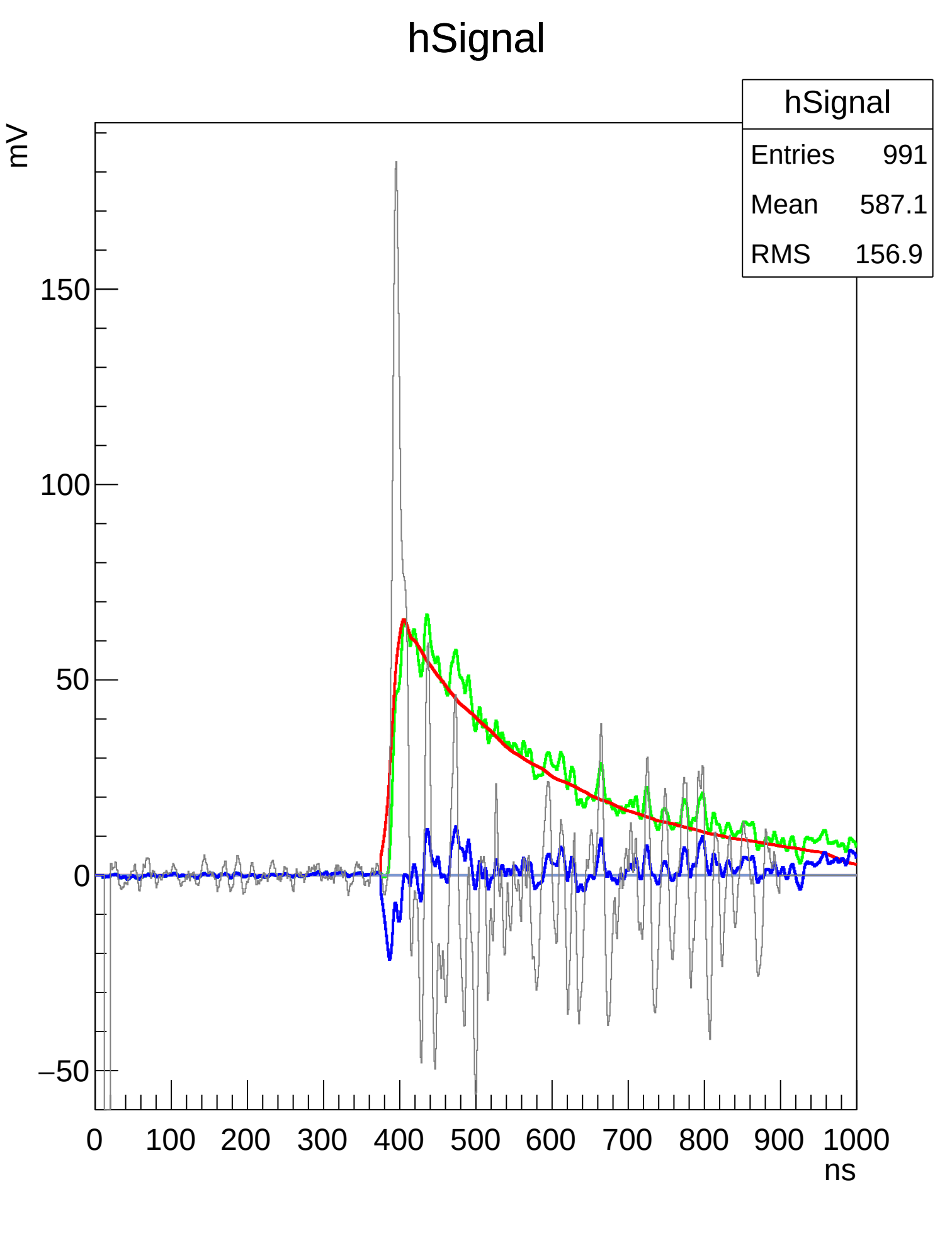

hSignal
hSignal
Entries 991
Mean 517.9
RMS 173.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

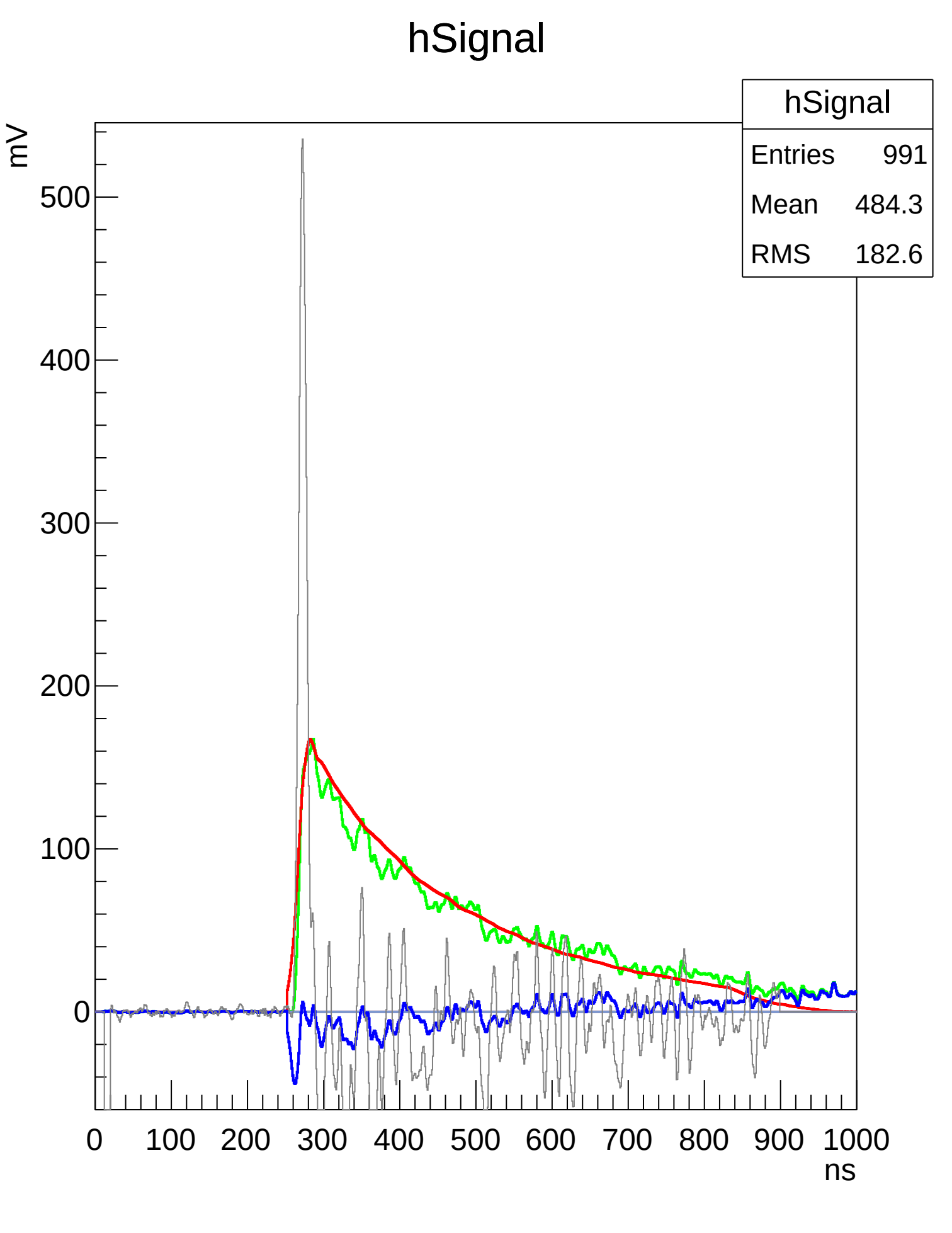

hSignal
hSignal
Entries 991
Mean 518.1
RMS 168
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

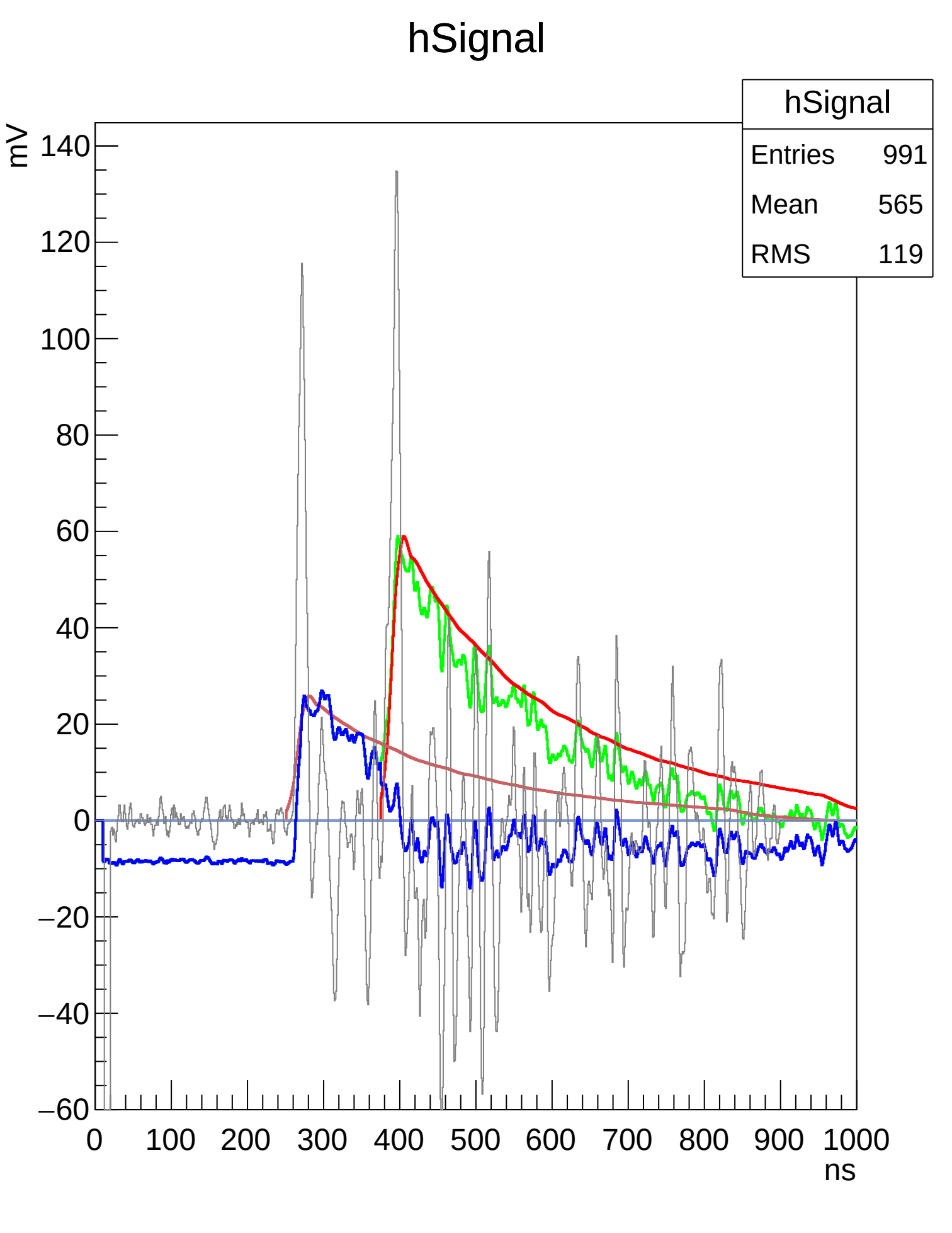

hSignal
hSignal
Entries 991
Mean 513.3
RMS 171.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

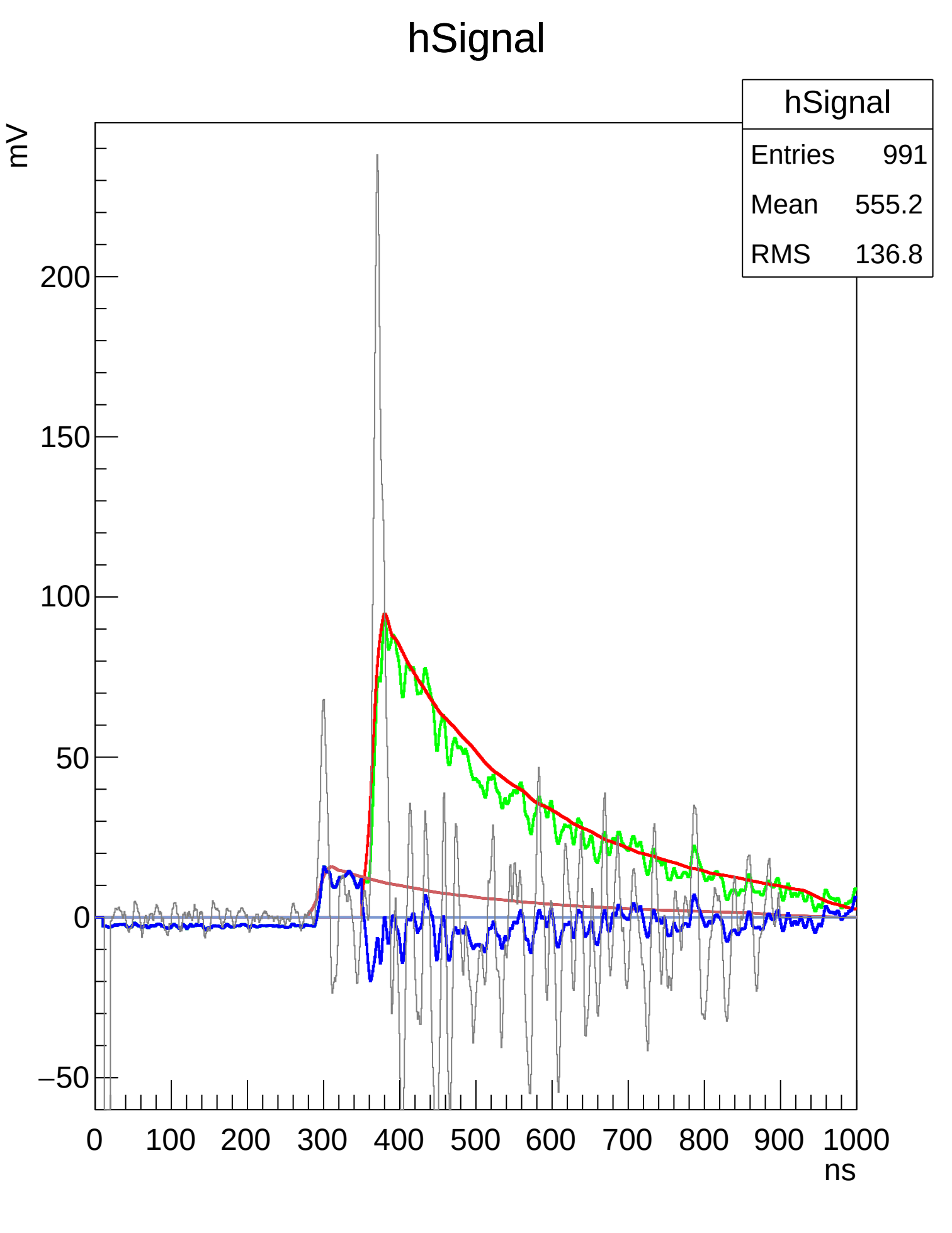

hSignal
hSignal
Entries 991
Mean 513.6
RMS 170.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

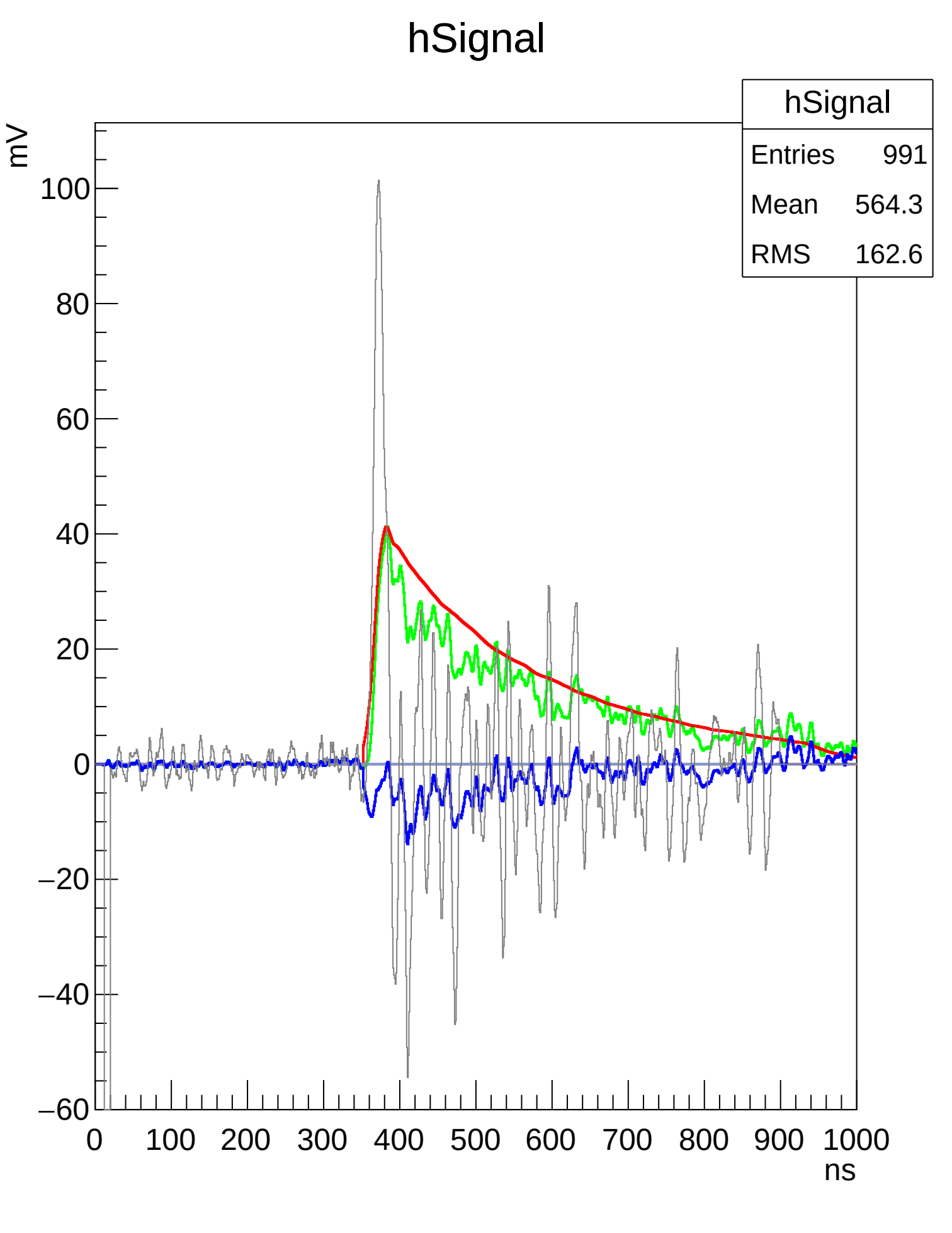

hSignal
hSignal
Entries 991
Mean 517.8
RMS 174
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

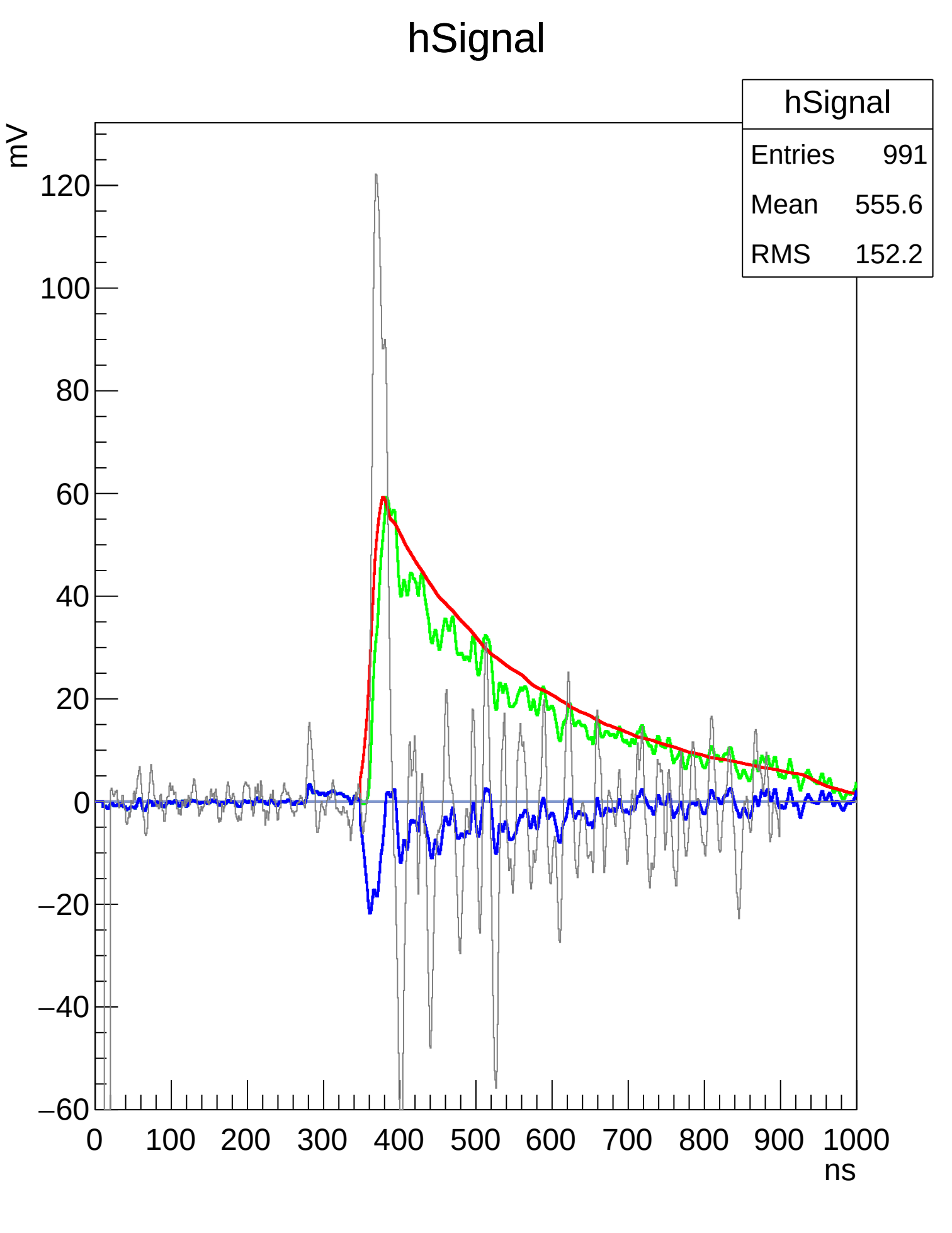

hSignal
hSignal
Entries 991
Mean 587.1
RMS 156.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

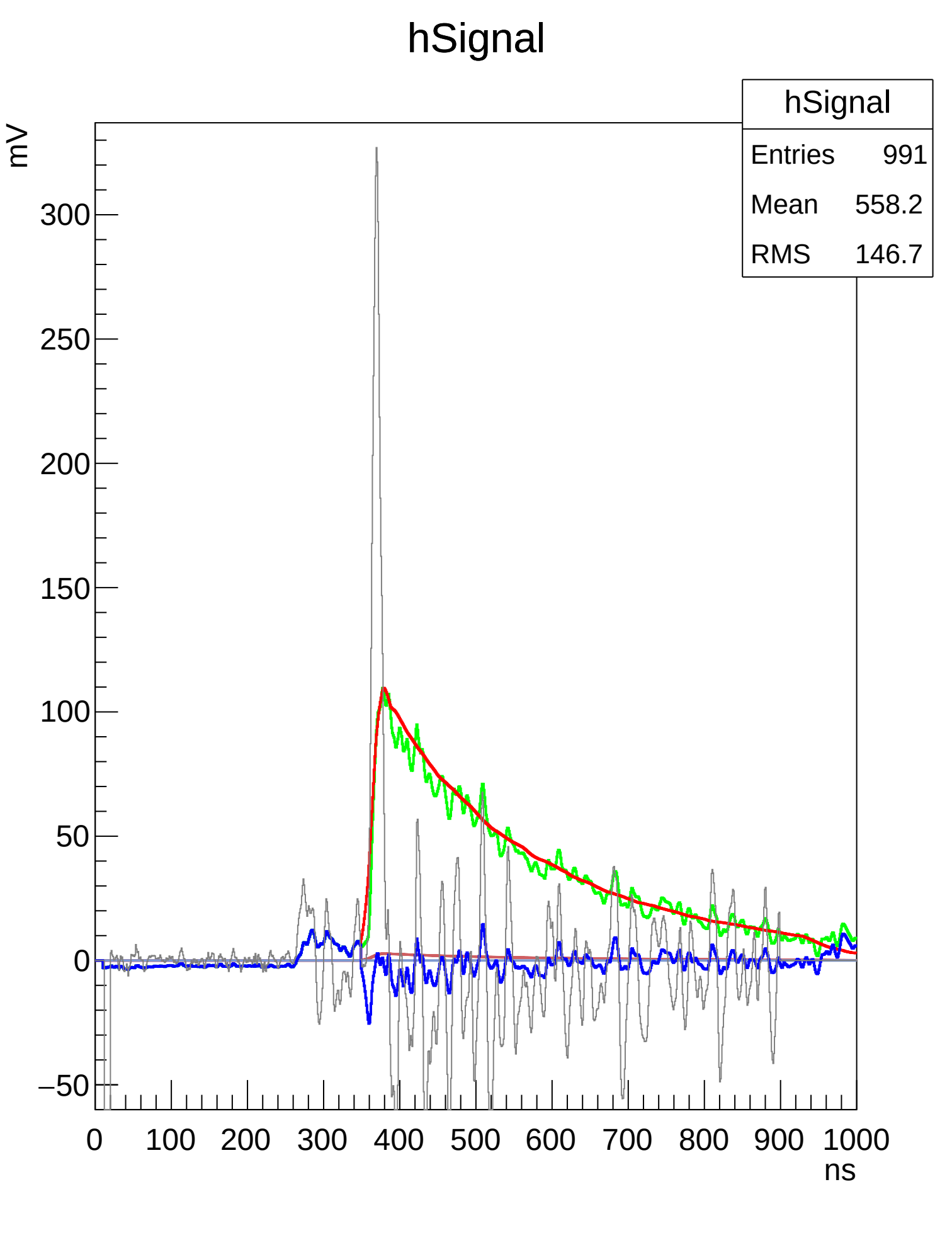

hSignal
hSignal
Entries 991
Mean 484.3
RMS 182.6
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

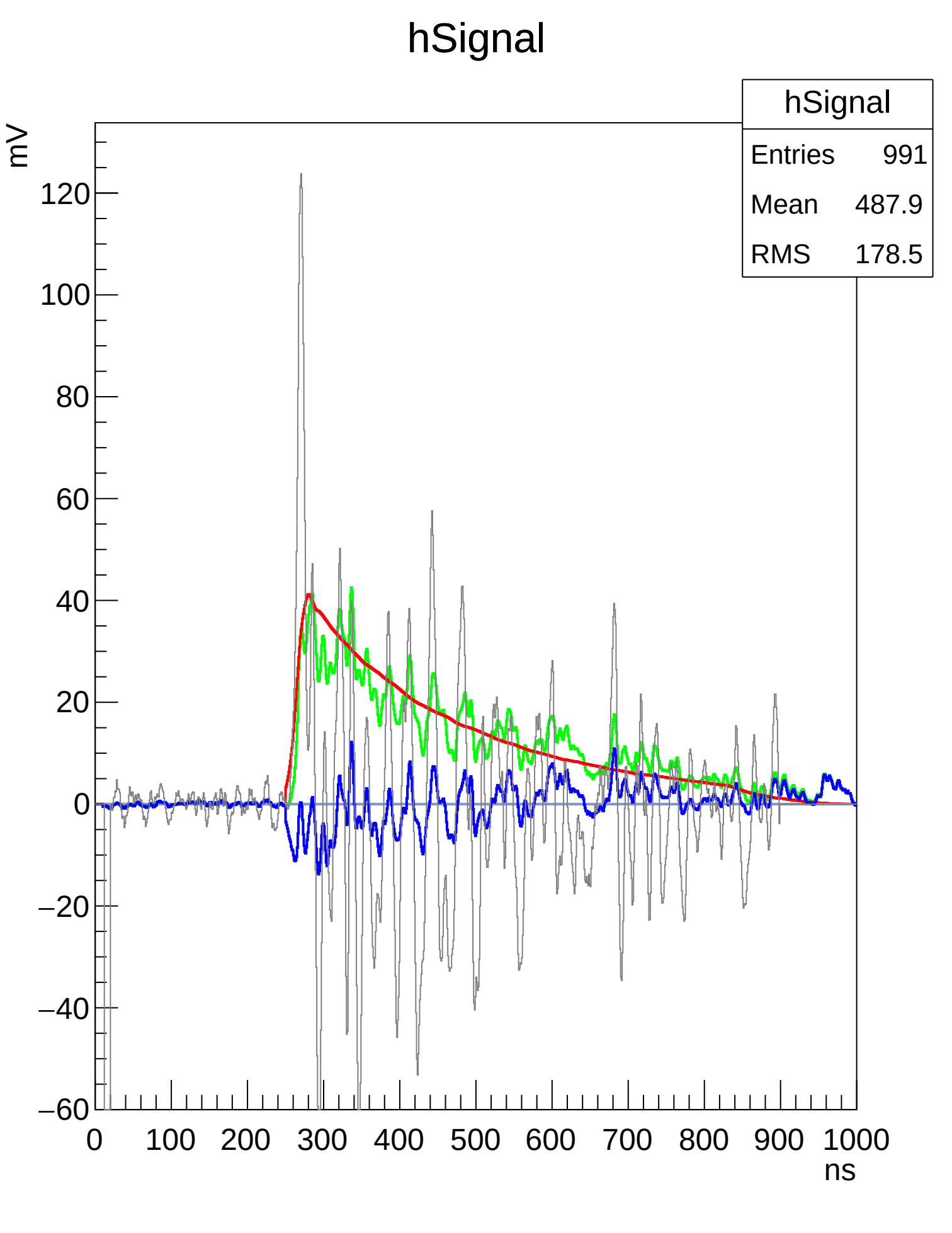

hSignal
hSignal
Entries 991
Mean 565
RMS 119
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

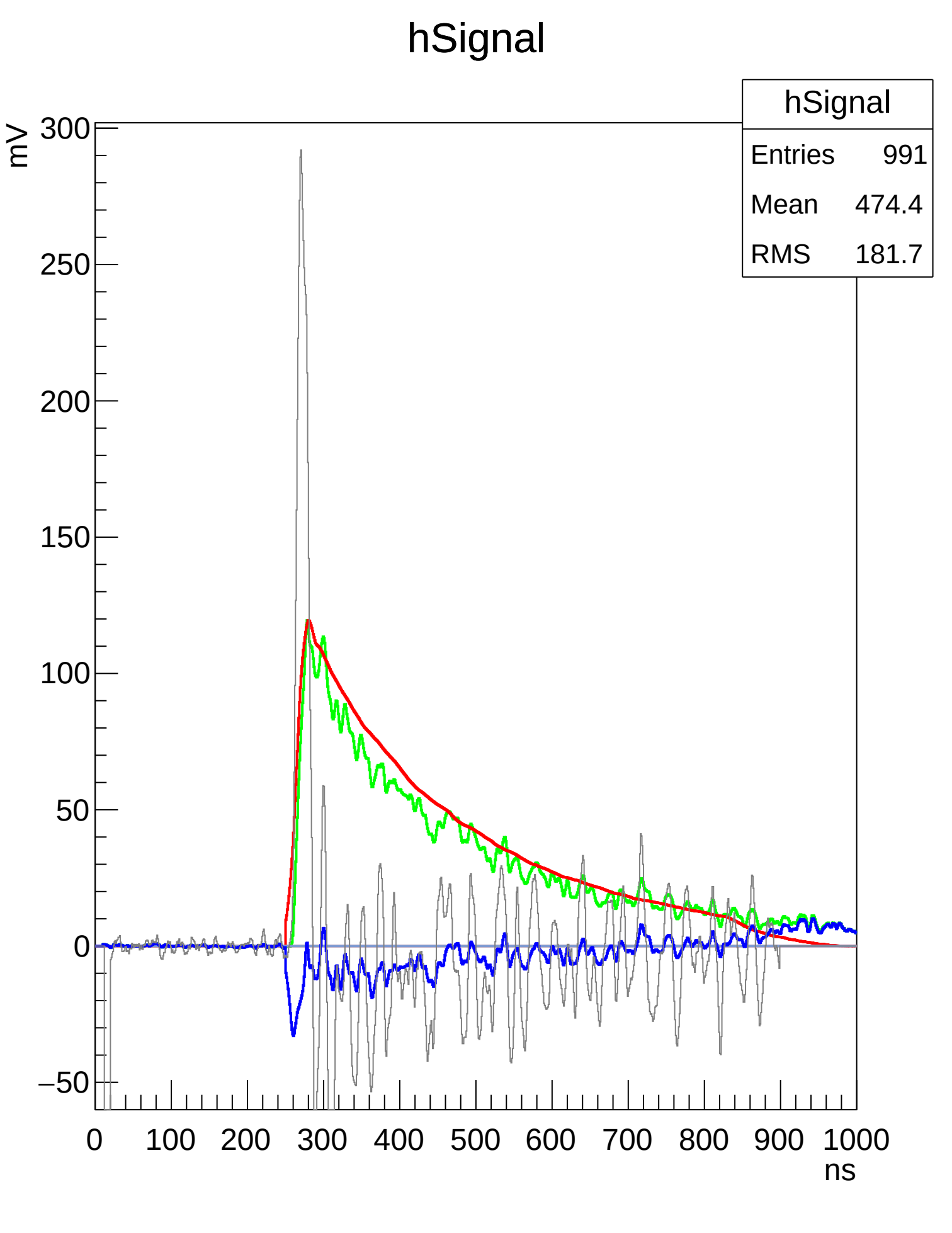

hSignal
hSignal
Entries 991
Mean 555.2
RMS 136.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

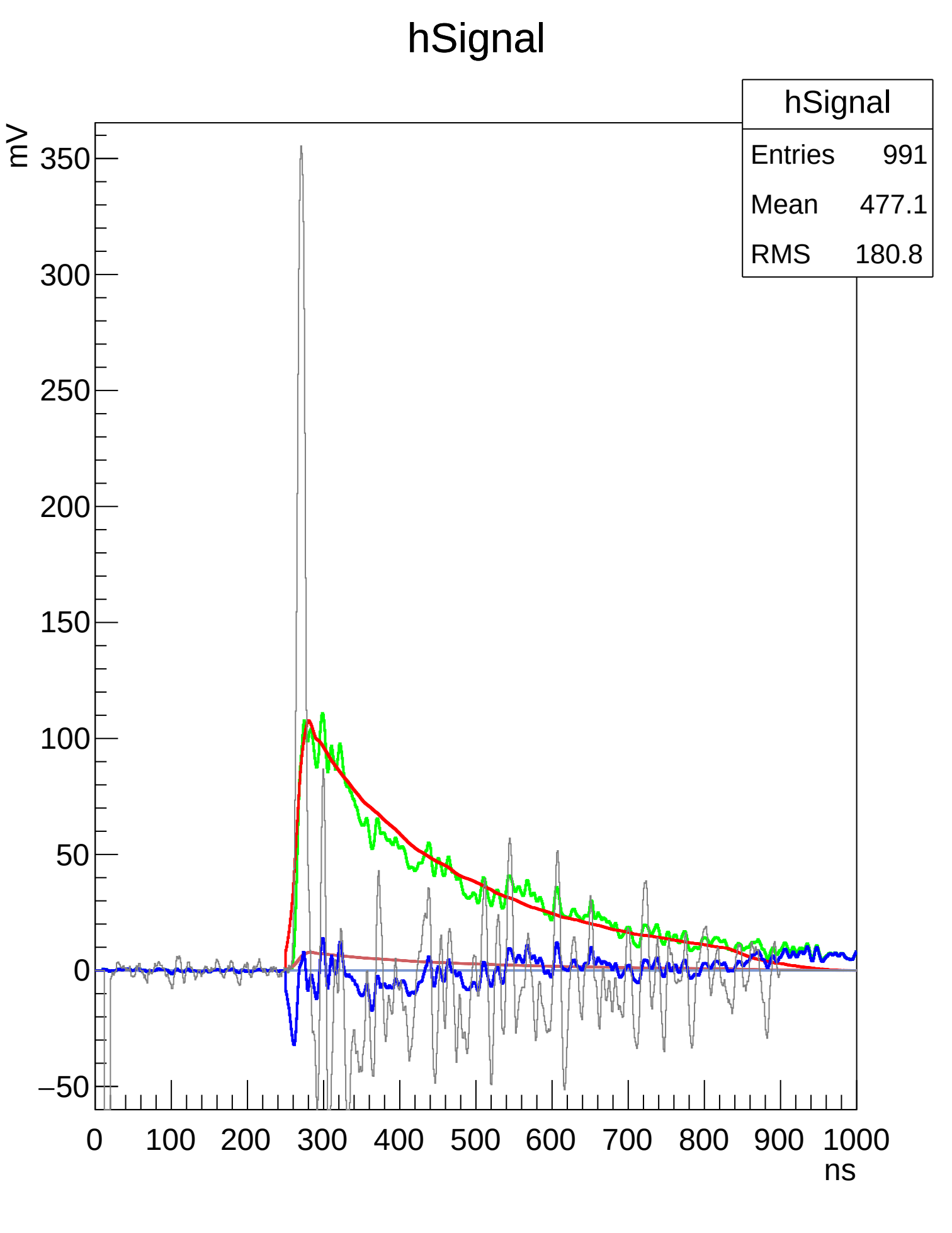

hSignal
hSignal
Entries 991
Mean 564.3
RMS 162.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

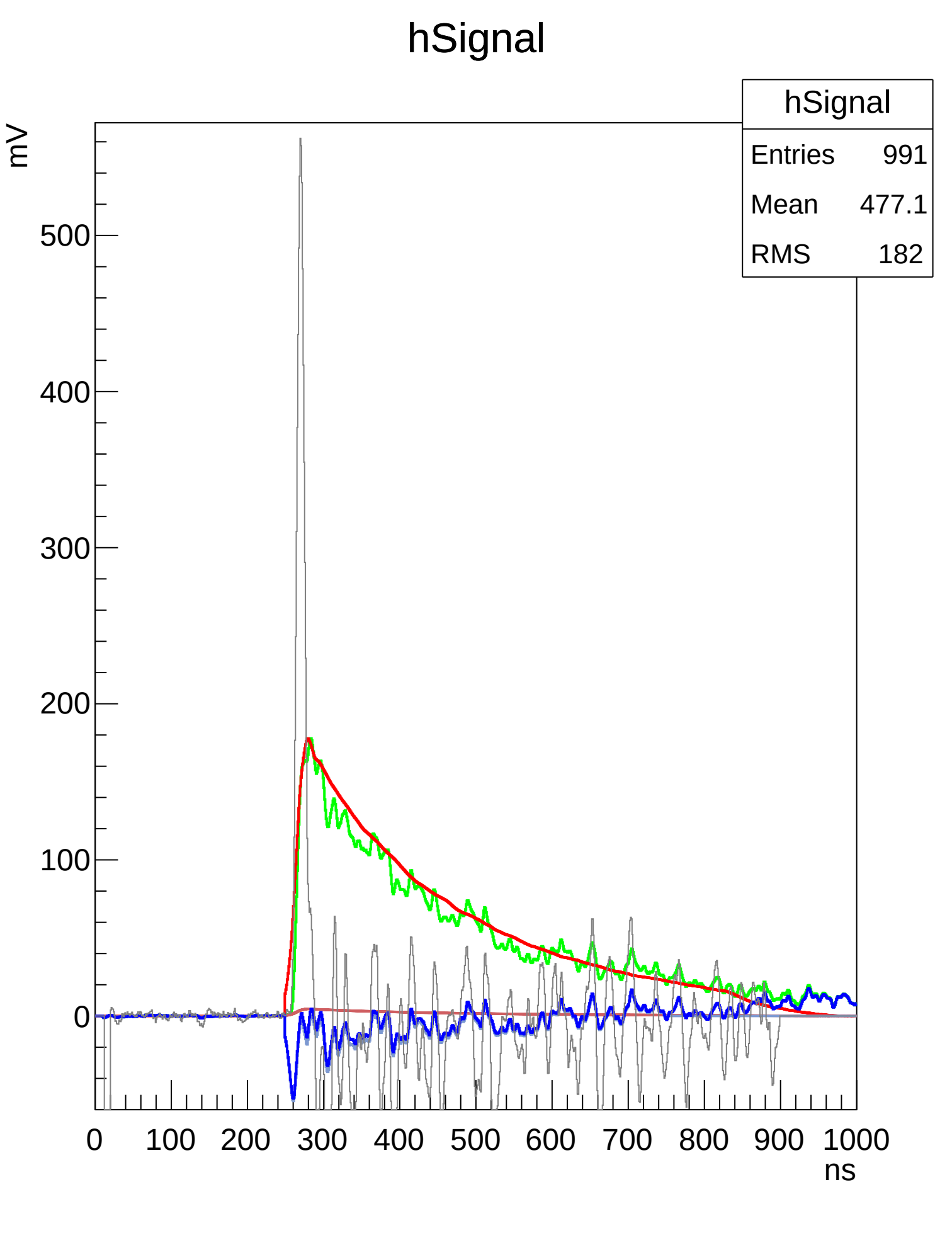

hSignal
hSignal
Entries 991
Mean 555.6
RMS 152.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

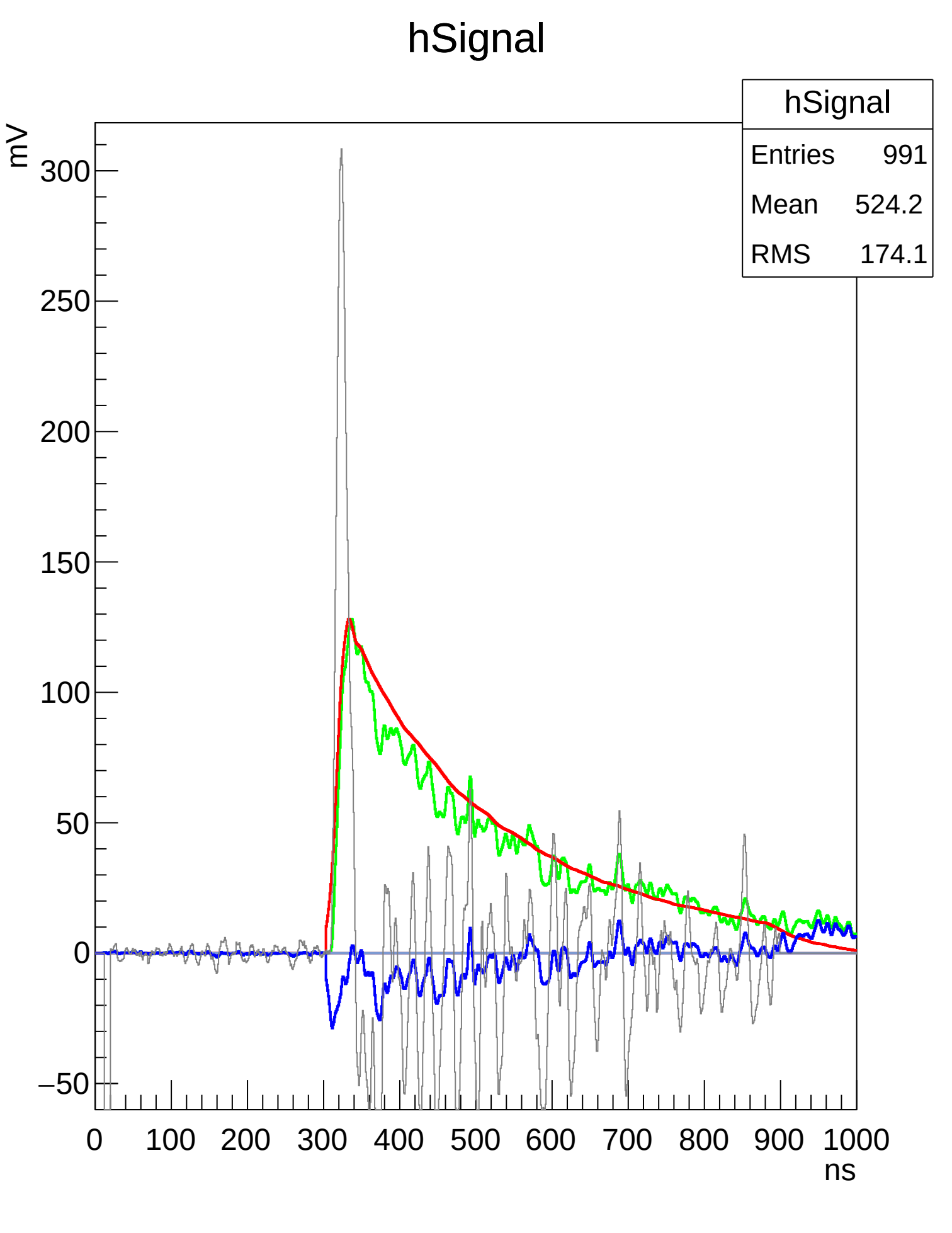

hSignal
hSignal
Entries 991
Mean 558.2
RMS 146.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

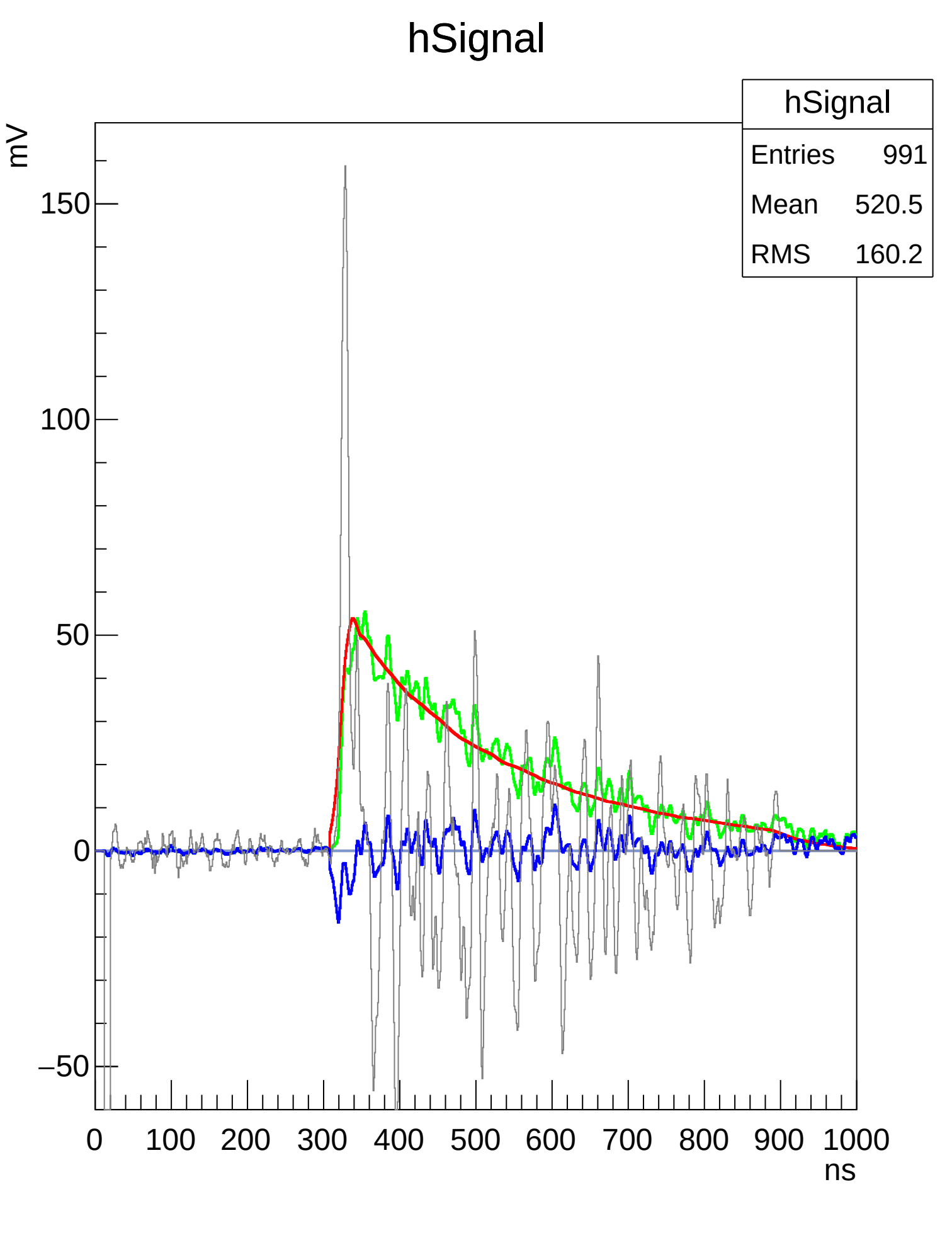

hSignal
hSignal
Entries 991
Mean 487.9
RMS 178.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

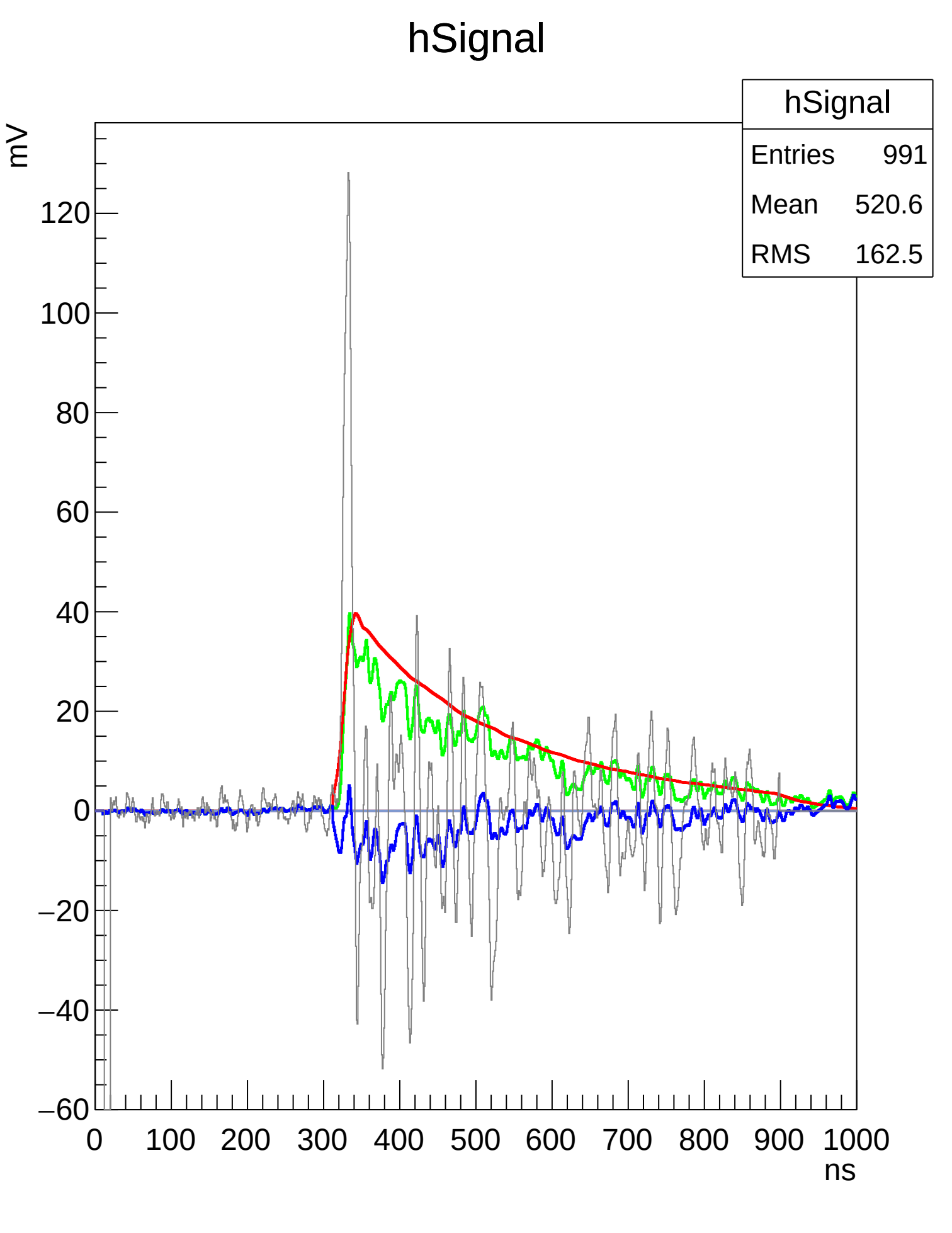

hSignal
hSignal
Entries 991
Mean 474.4
RMS 181.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

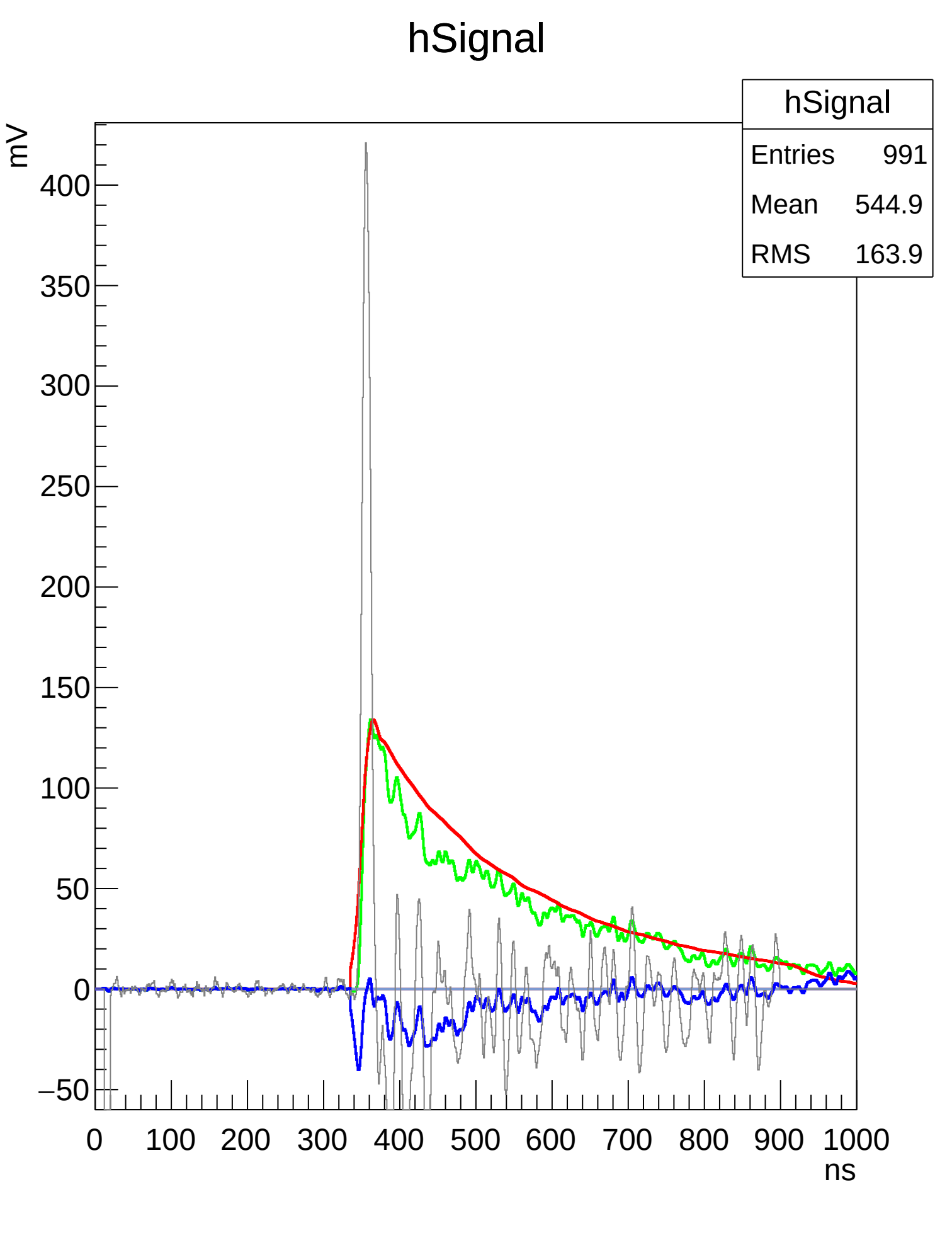

hSignal
hSignal
Entries 991
Mean 477.1
RMS 180.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

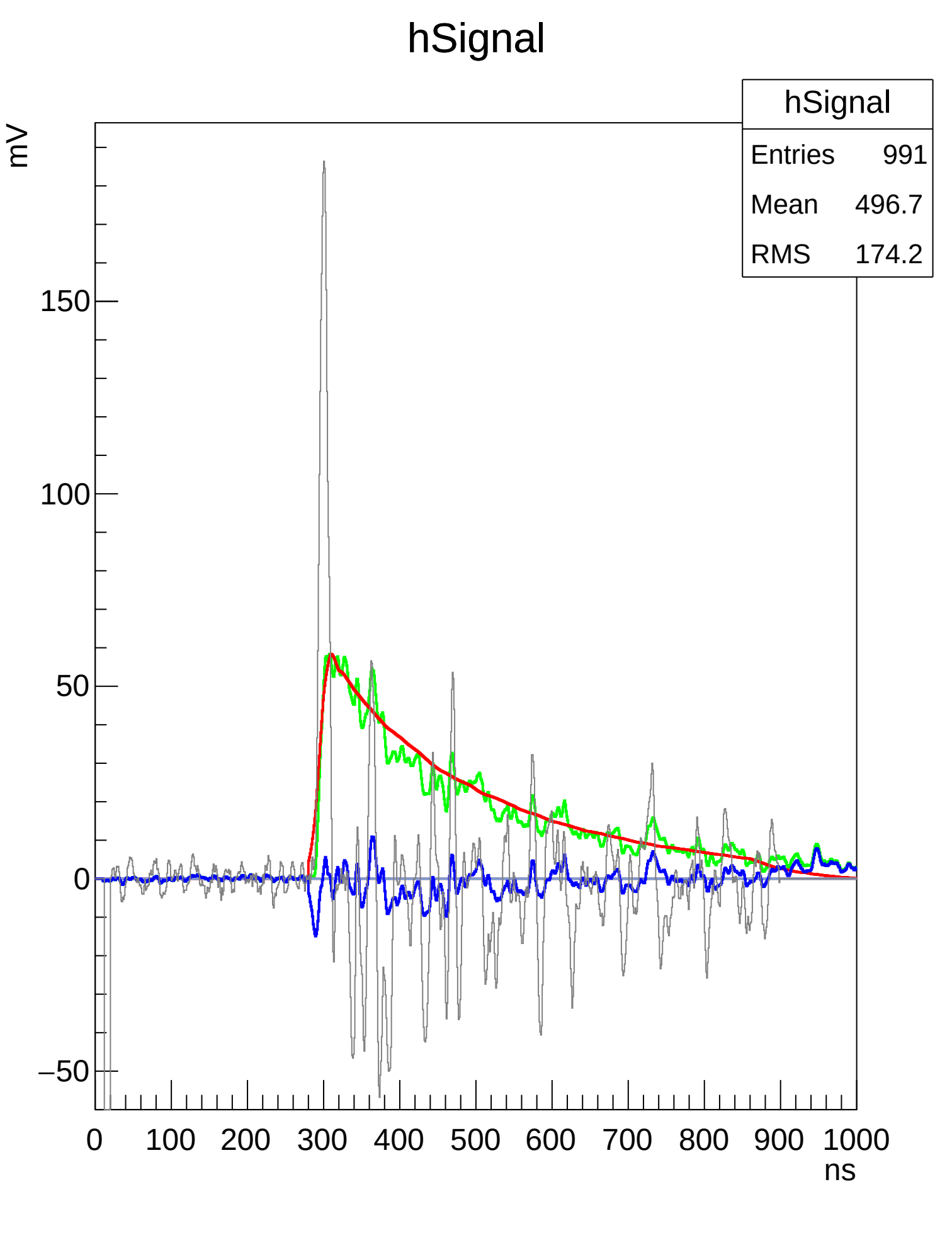

hSignal
hSignal
Entries 991
Mean 477.1
RMS 182
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

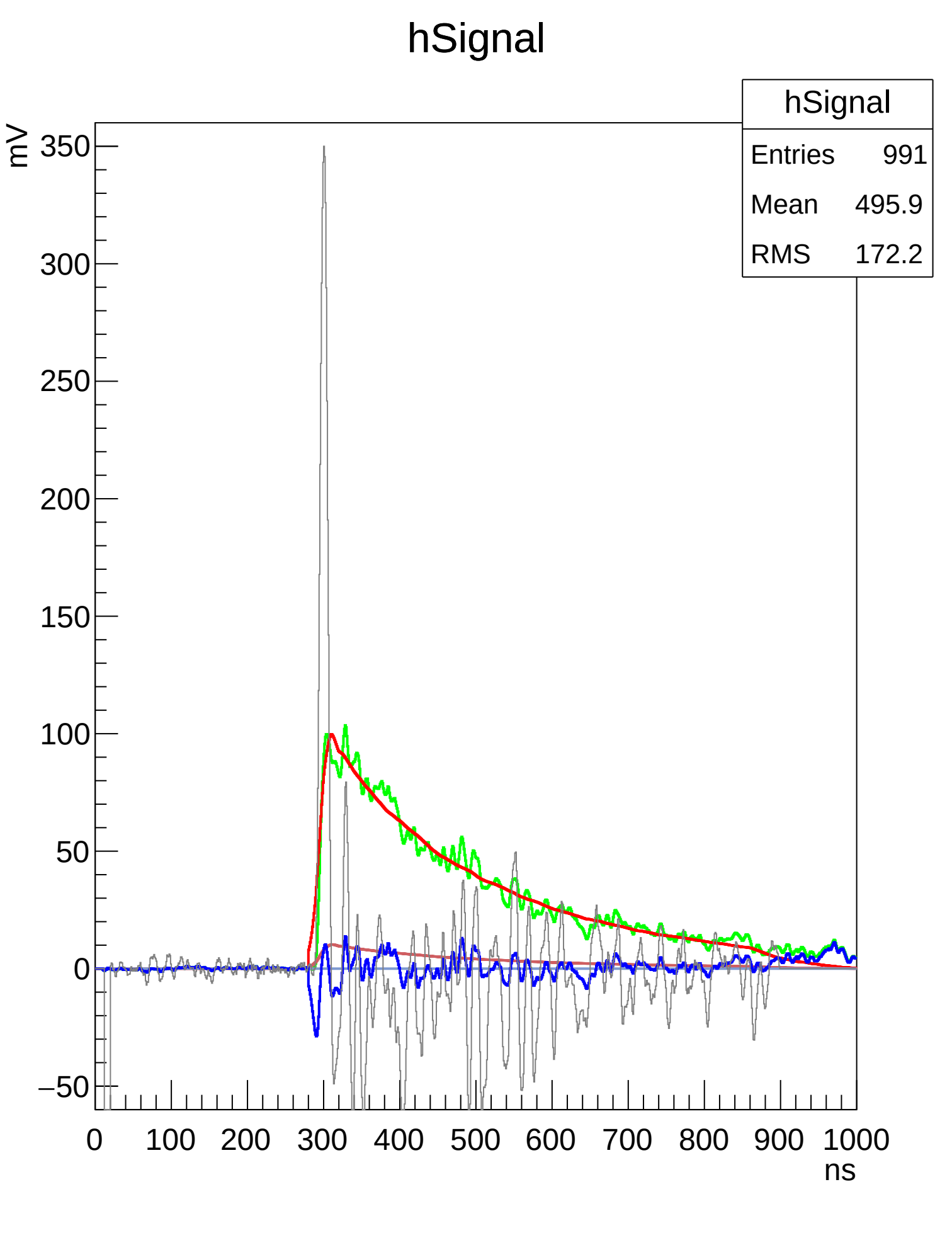

hSignal
hSignal
Entries 991
Mean 524.2
RMS 174.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

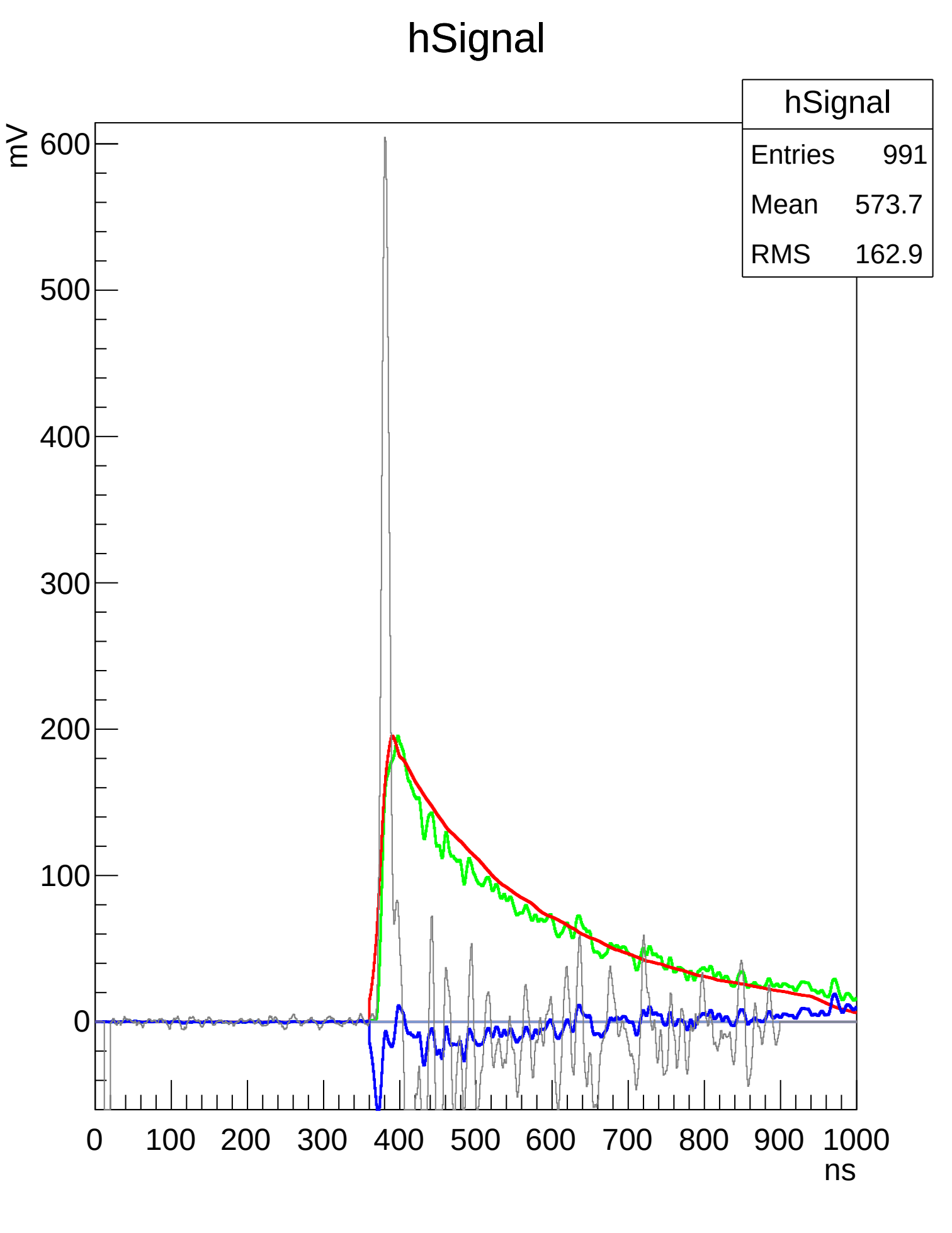

hSignal
hSignal
Entries 991
Mean 520.5
RMS 160.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

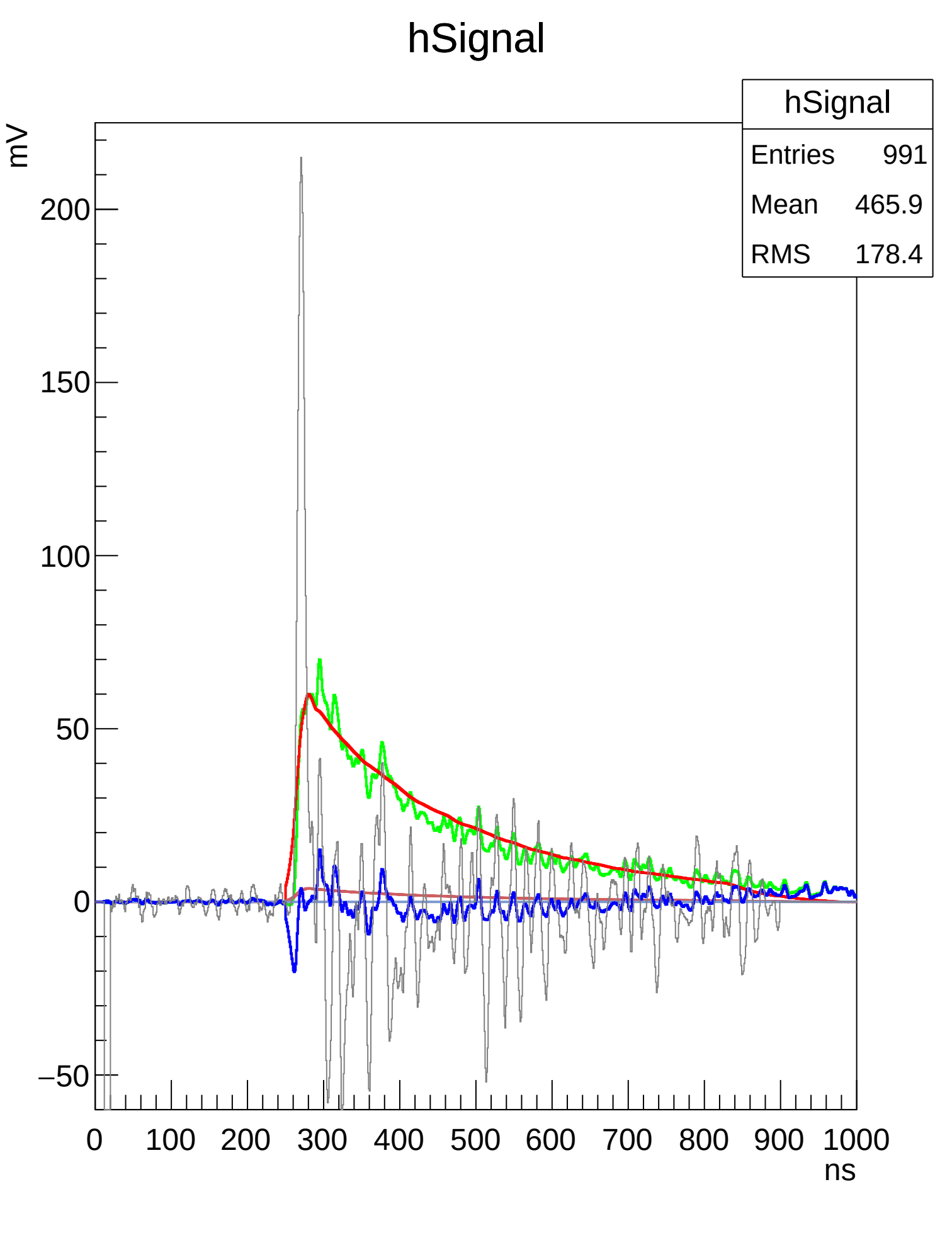

hSignal
hSignal
Entries 991
Mean 520.6
RMS 162.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

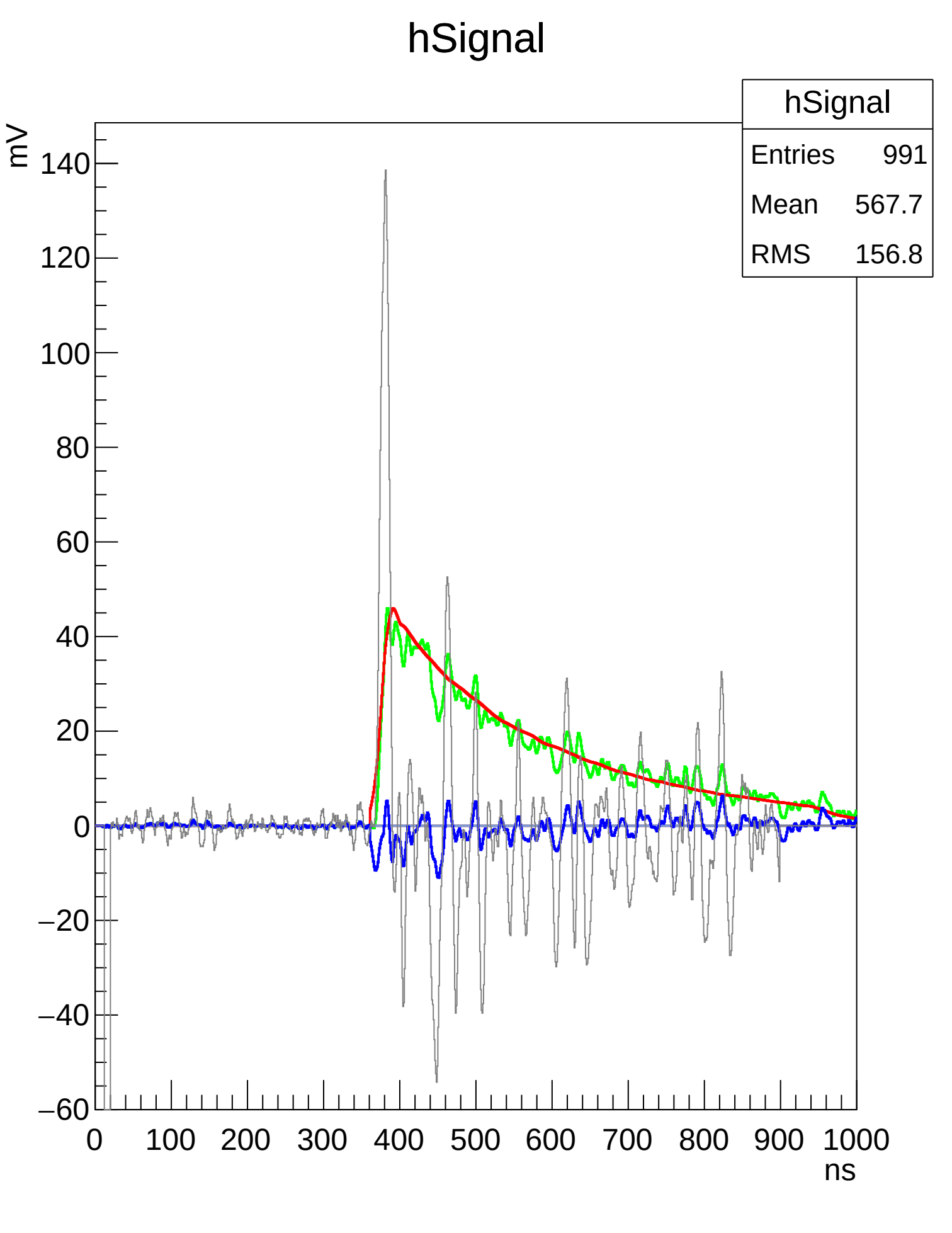

hSignal
hSignal
Entries 991
Mean 544.9
RMS 163.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

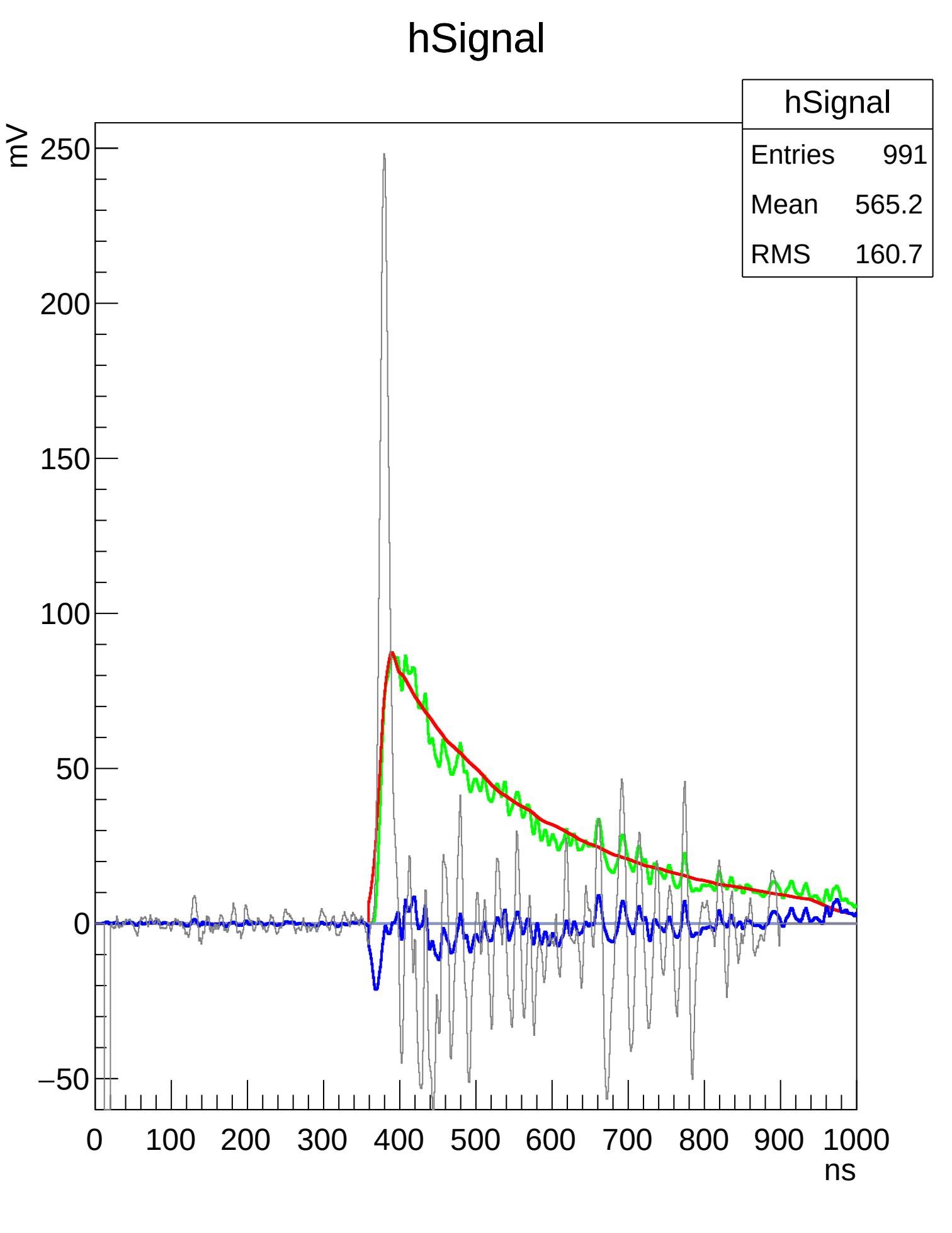

hSignal
hSignal
Entries 991
Mean 496.7
RMS 174.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

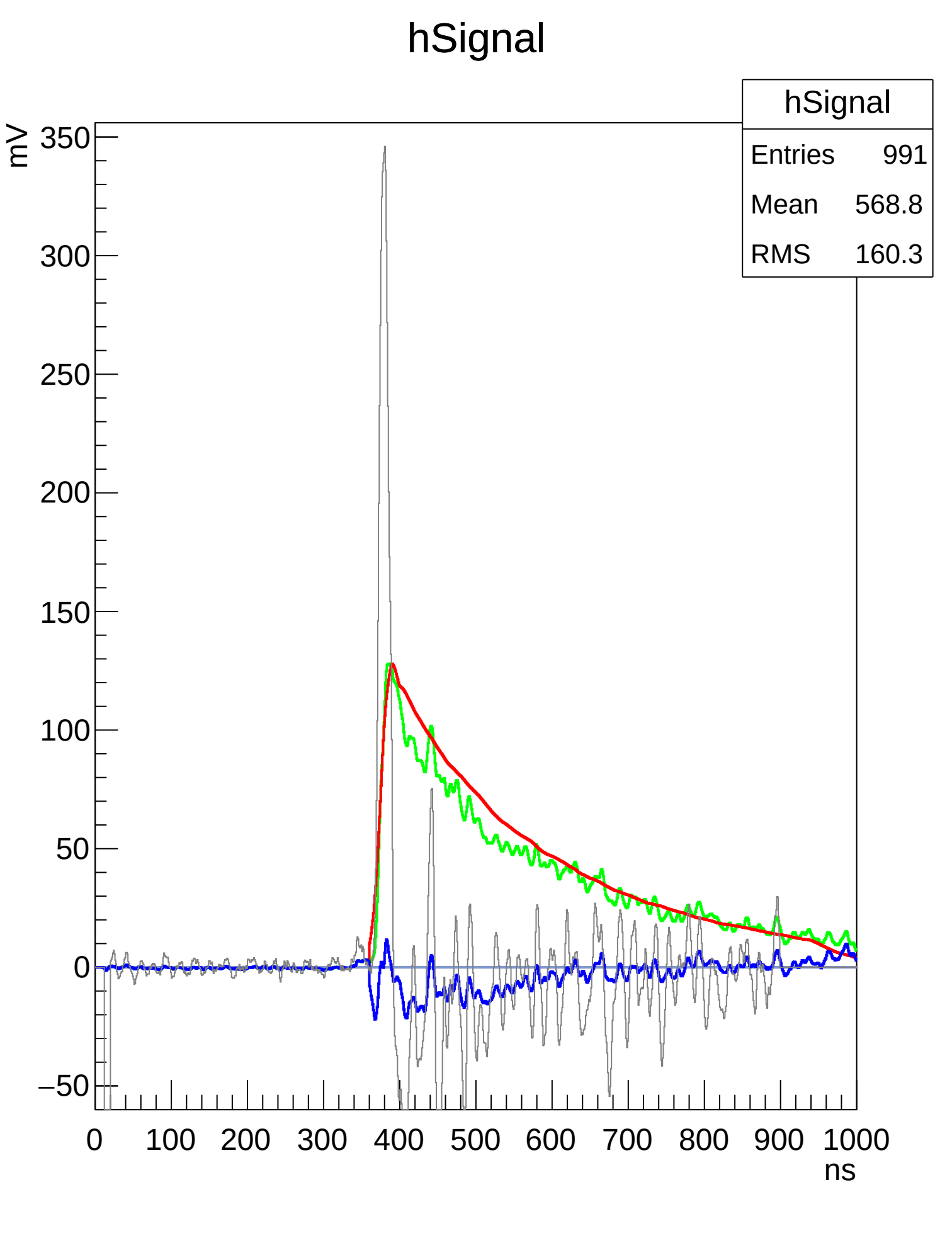

hSignal
hSignal
Entries 991
Mean 495.9
RMS 172.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

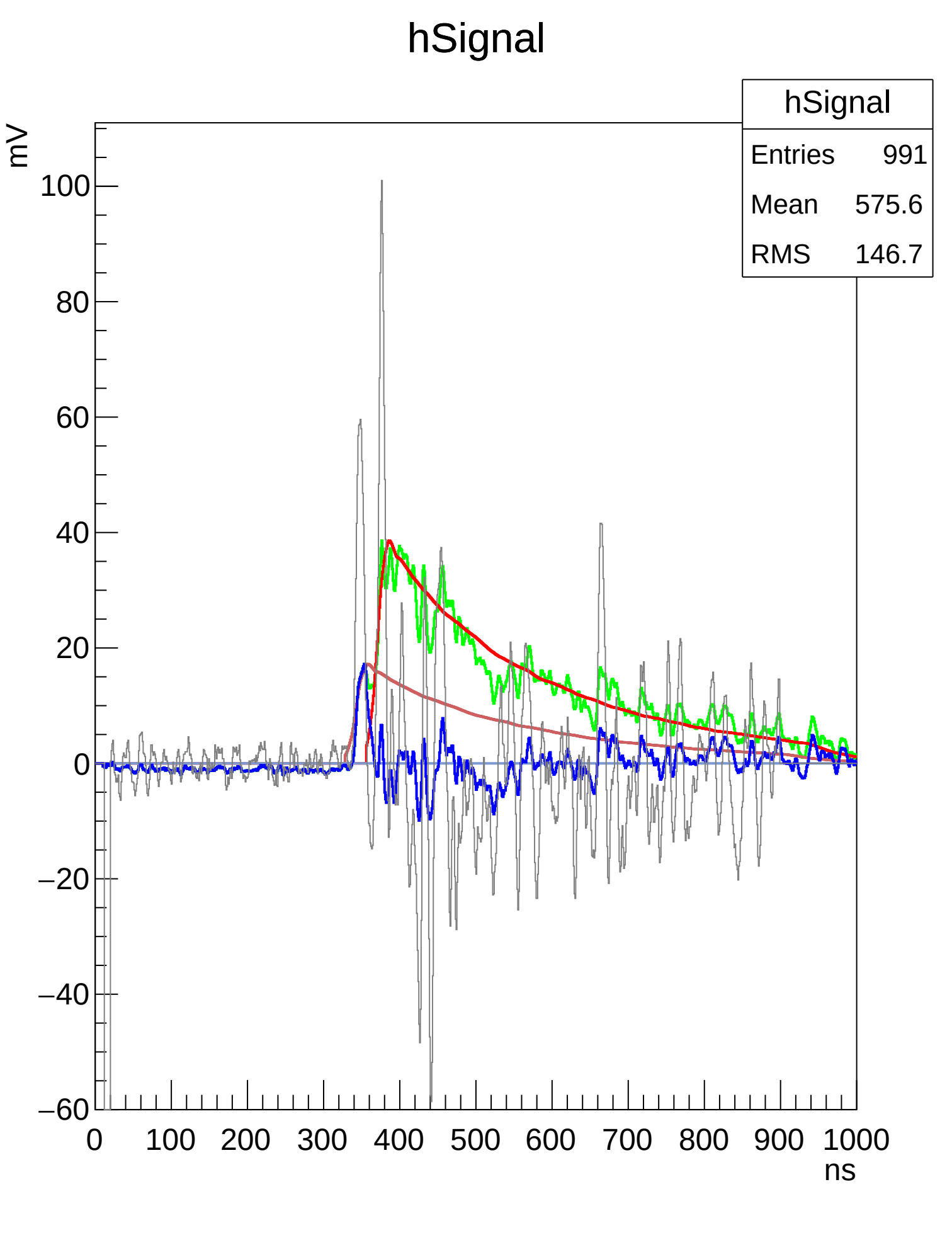

hSignal
hSignal
Entries 991
Mean 573.7
RMS 162.9
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

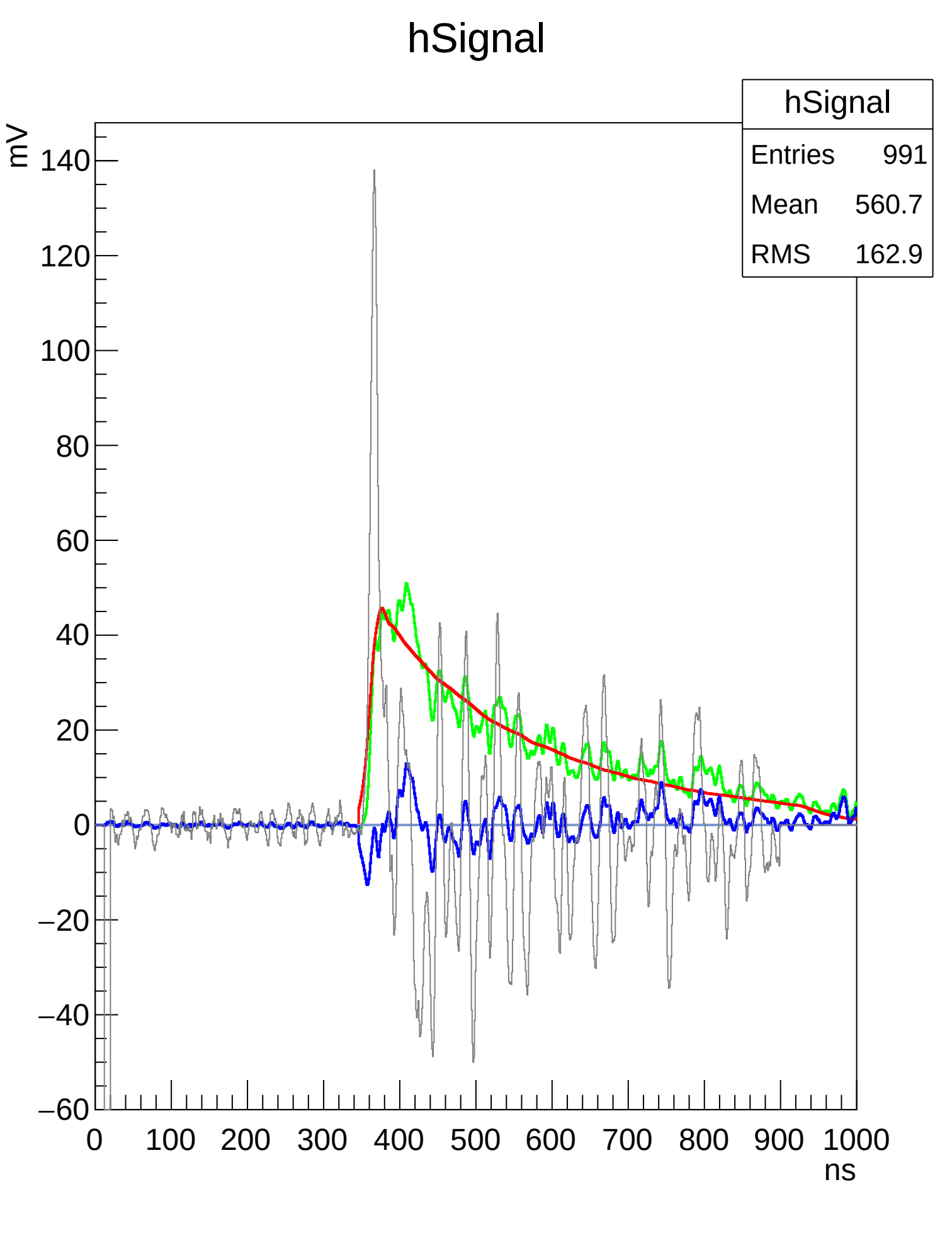

hSignal
hSignal
Entries 991
Mean 465.9
RMS 178.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

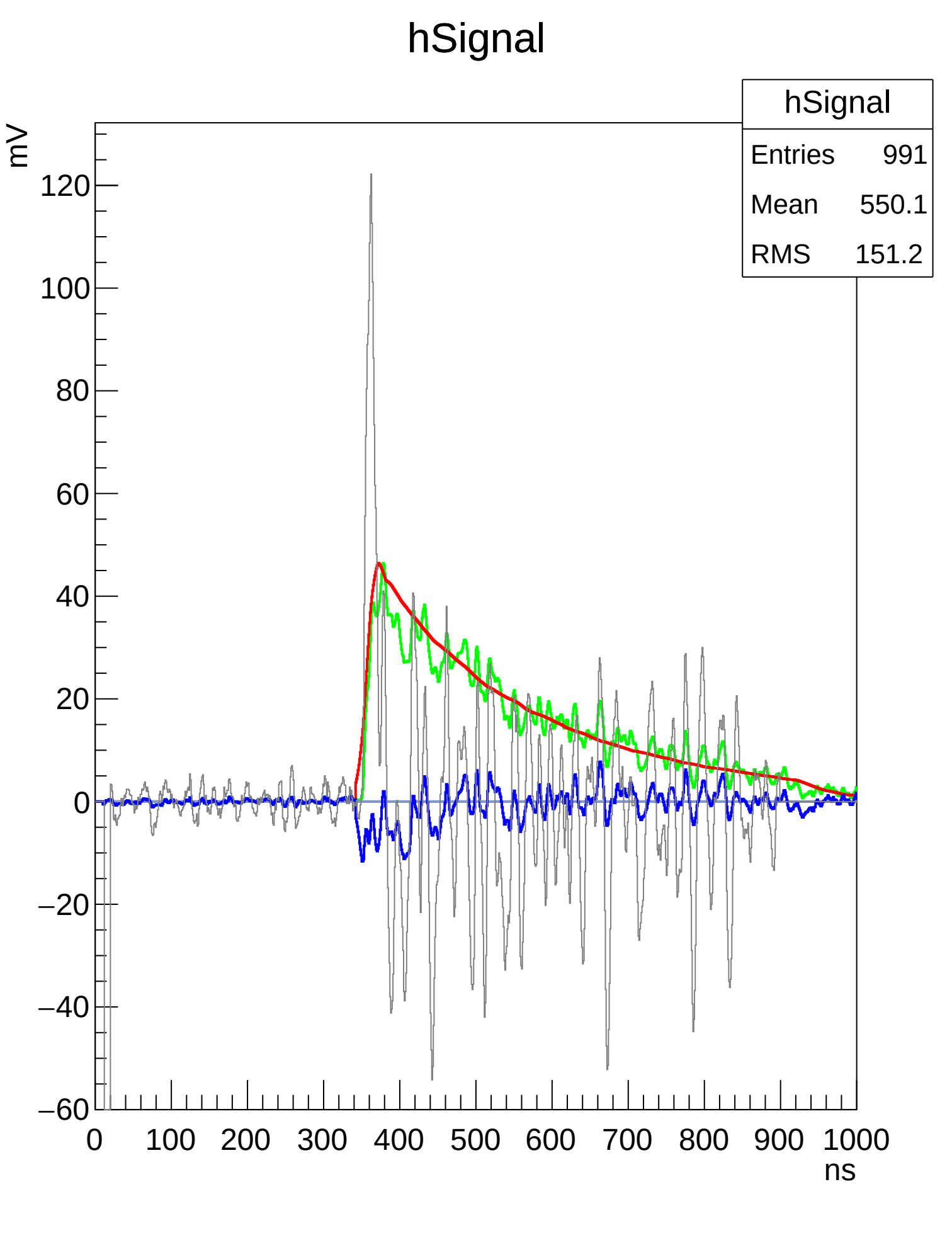

hSignal
hSignal
Entries 991
Mean 567.7
RMS 156.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

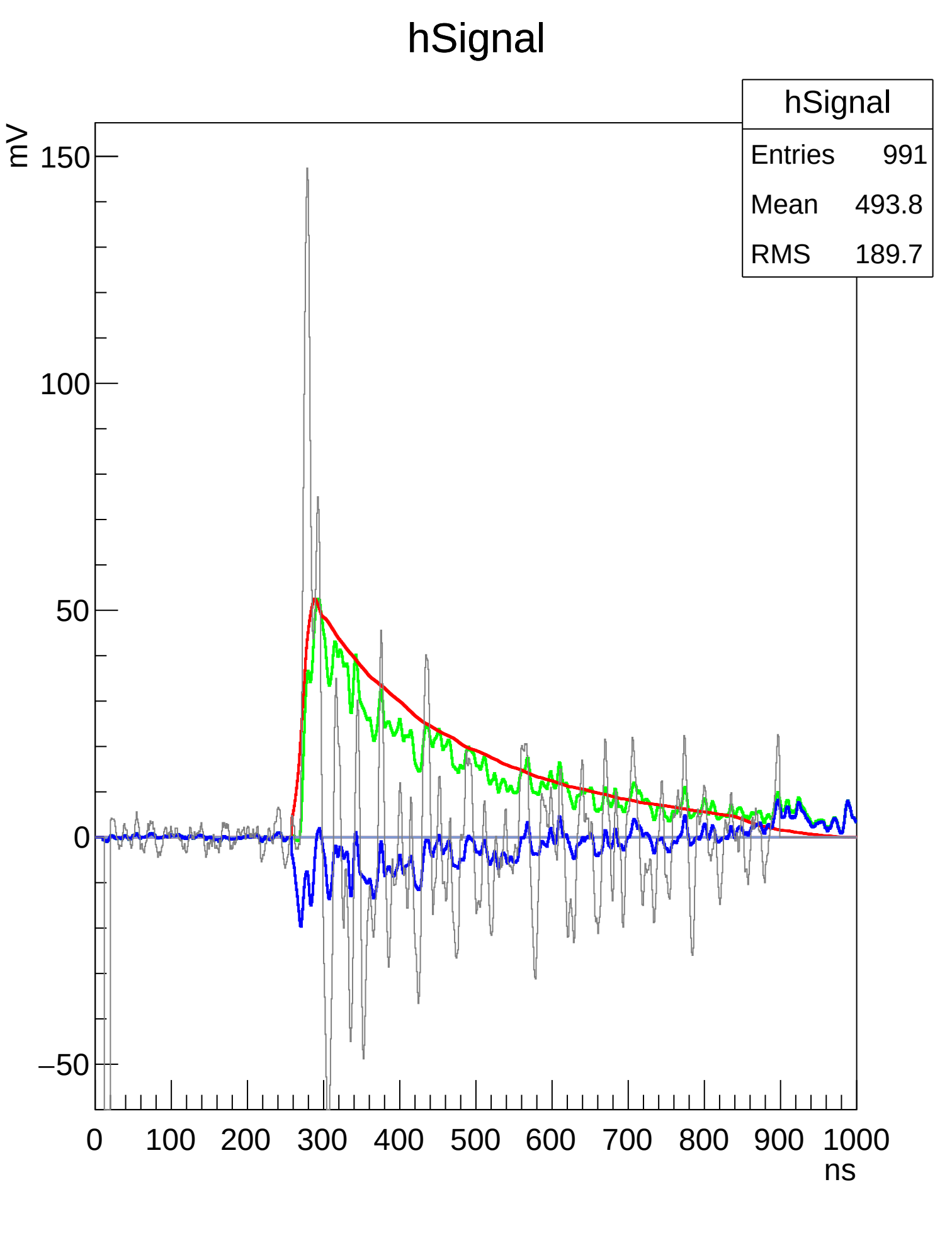

hSignal
hSignal
Entries 991
Mean 565.2
RMS 160.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

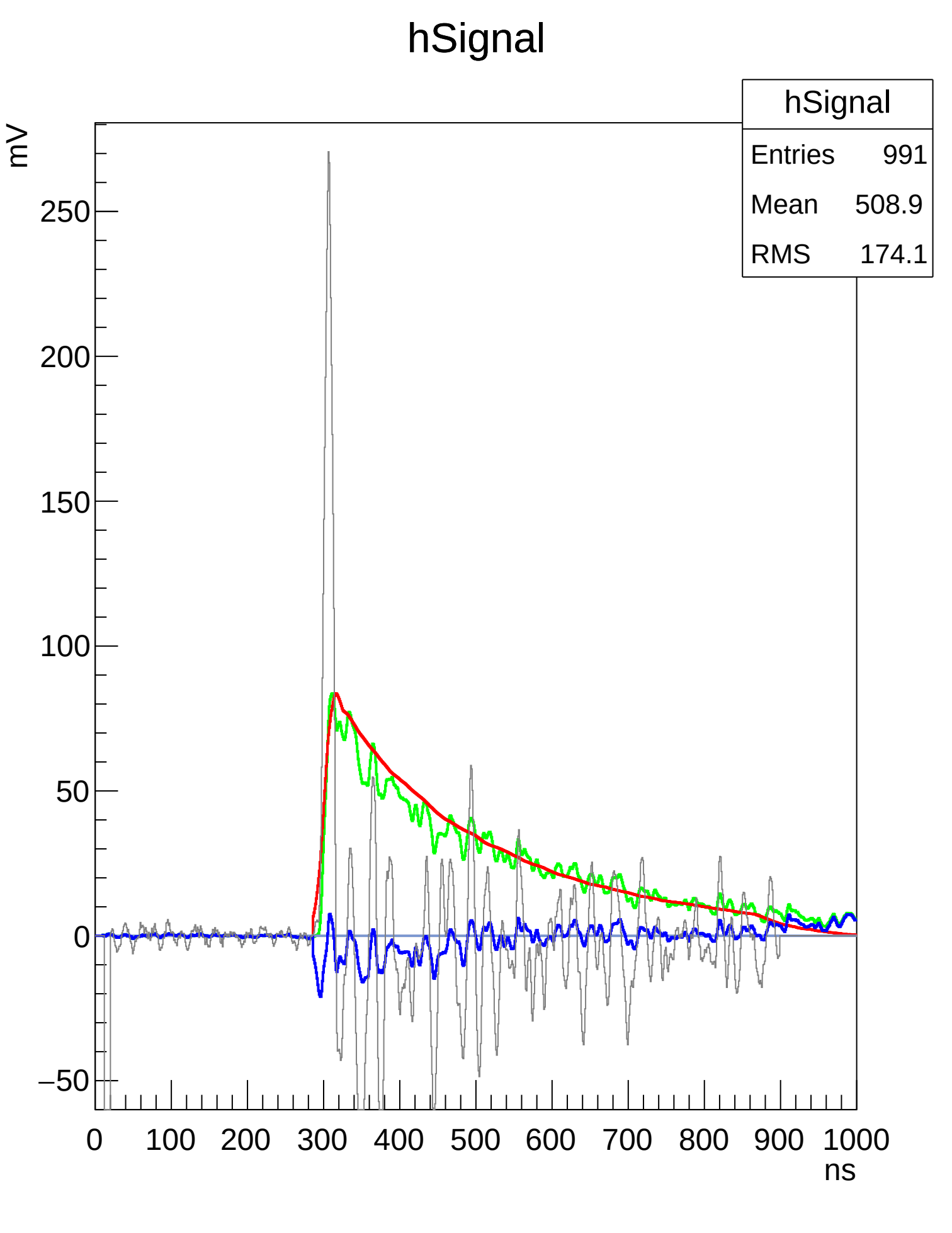

hSignal
hSignal
Entries 991
Mean 568.8
RMS 160.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

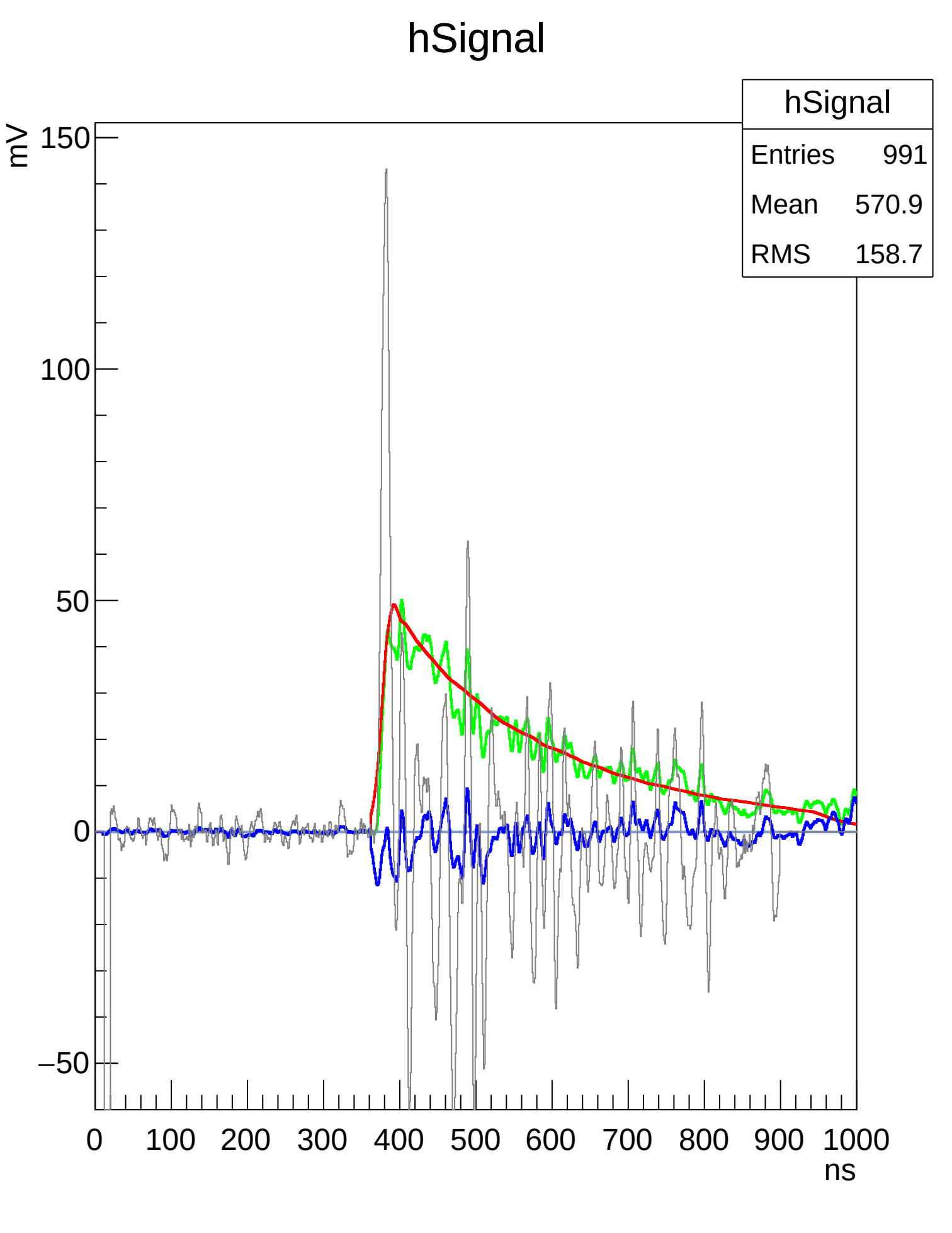

hSignal
hSignal
Entries 991
Mean 575.6
RMS 146.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

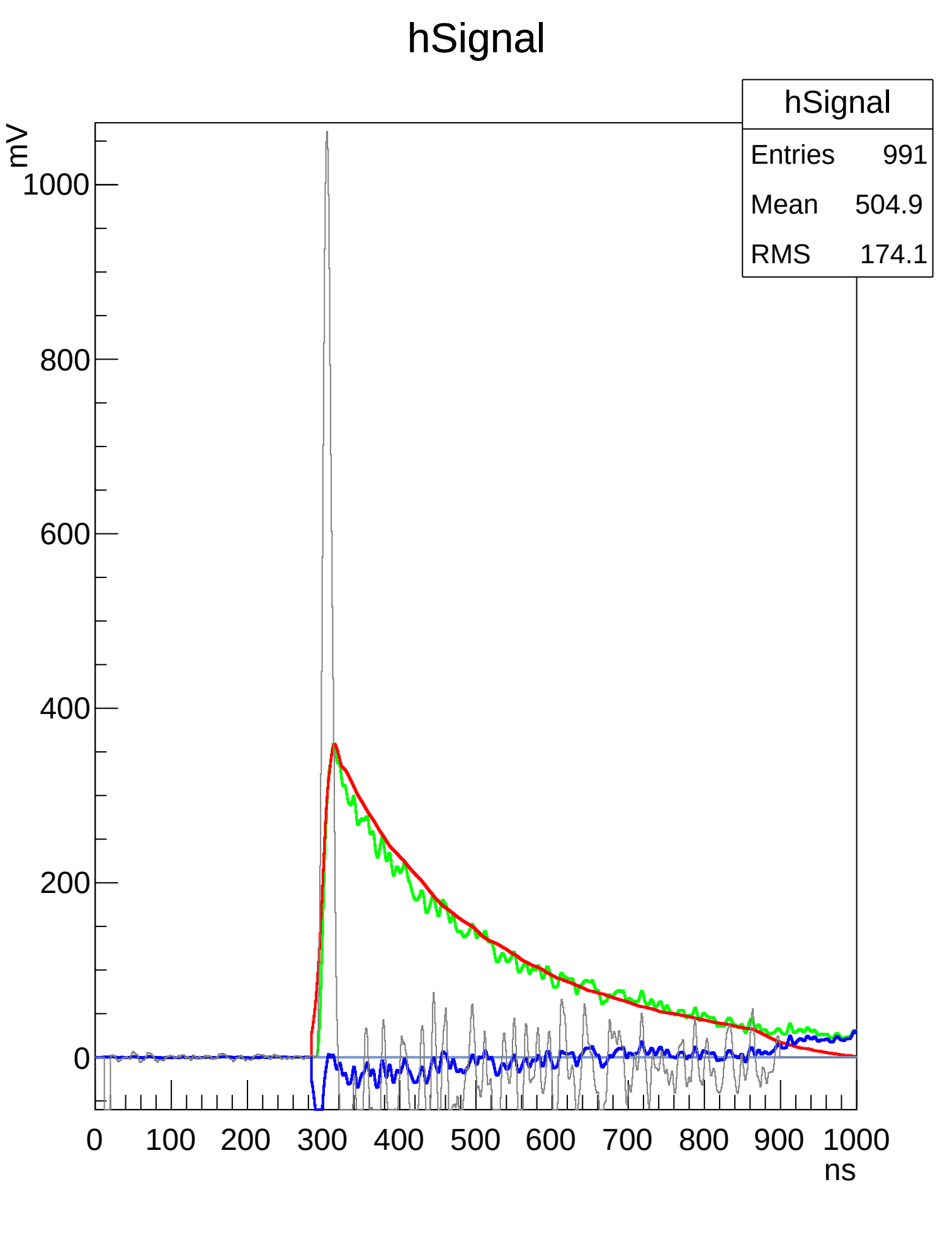

hSignal
hSignal
Entries 991
Mean 560.7
RMS 162.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

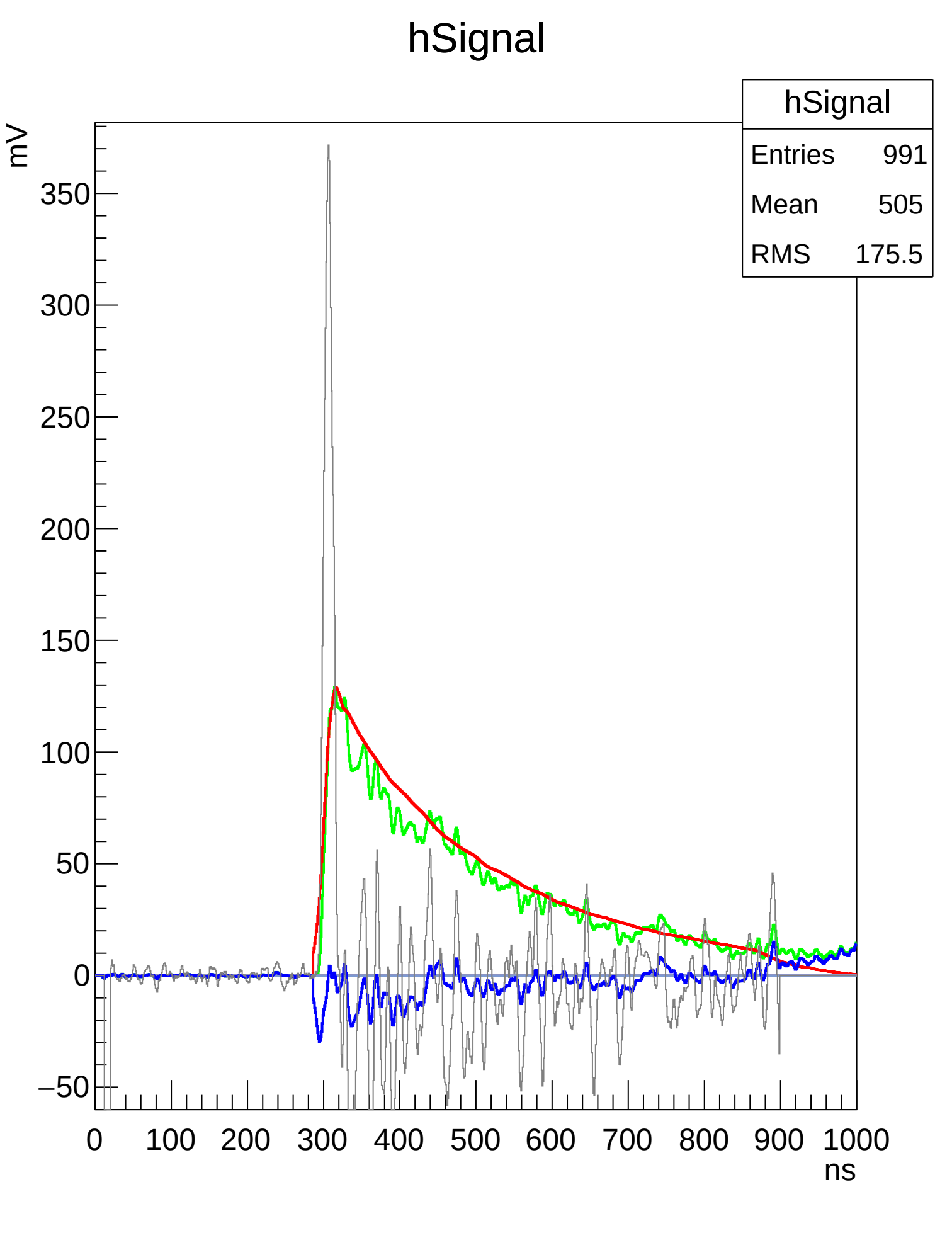

hSignal
hSignal
Entries 991
Mean 550.1
RMS 151.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

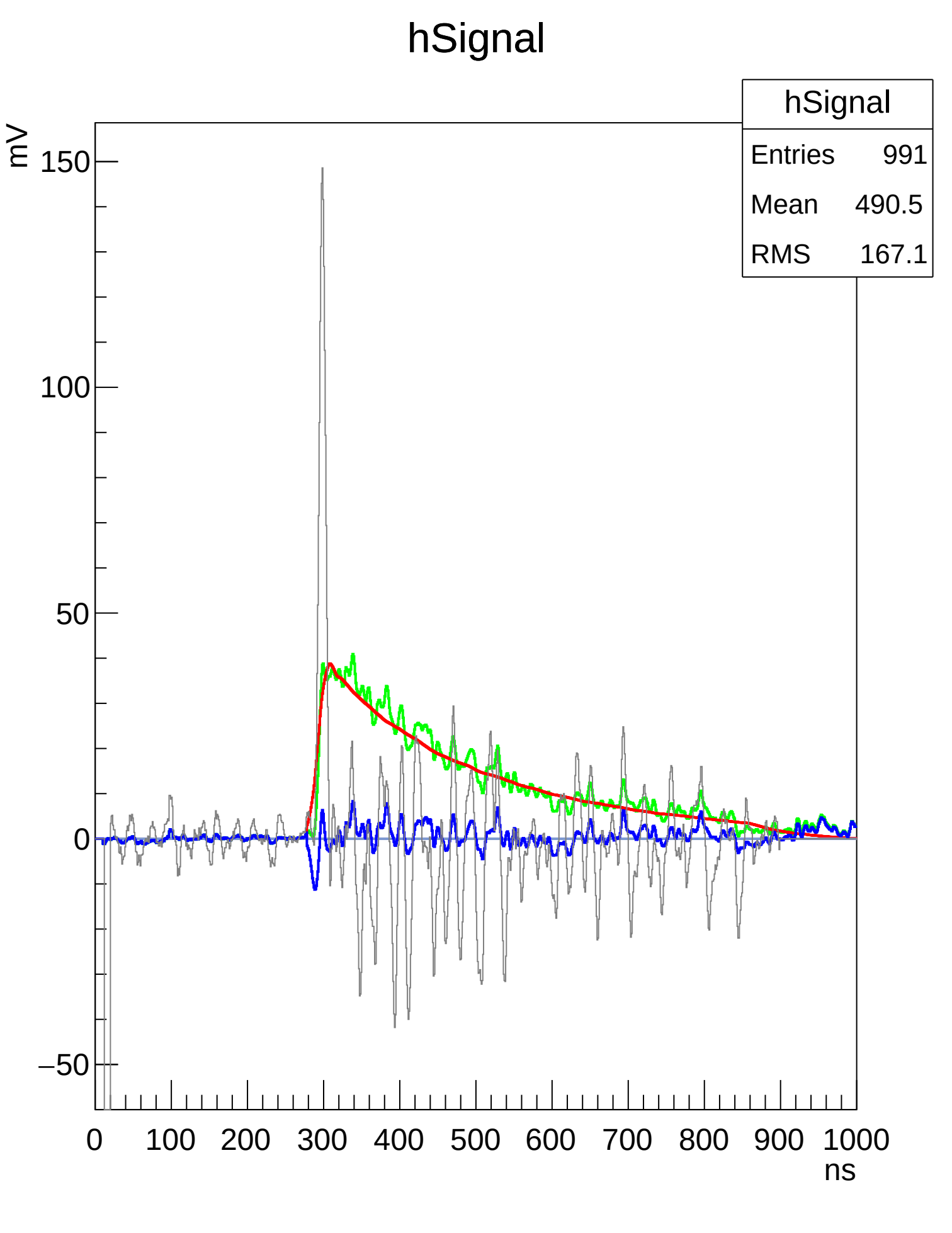

hSignal
hSignal
Entries 991
Mean 493.8
RMS 189.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

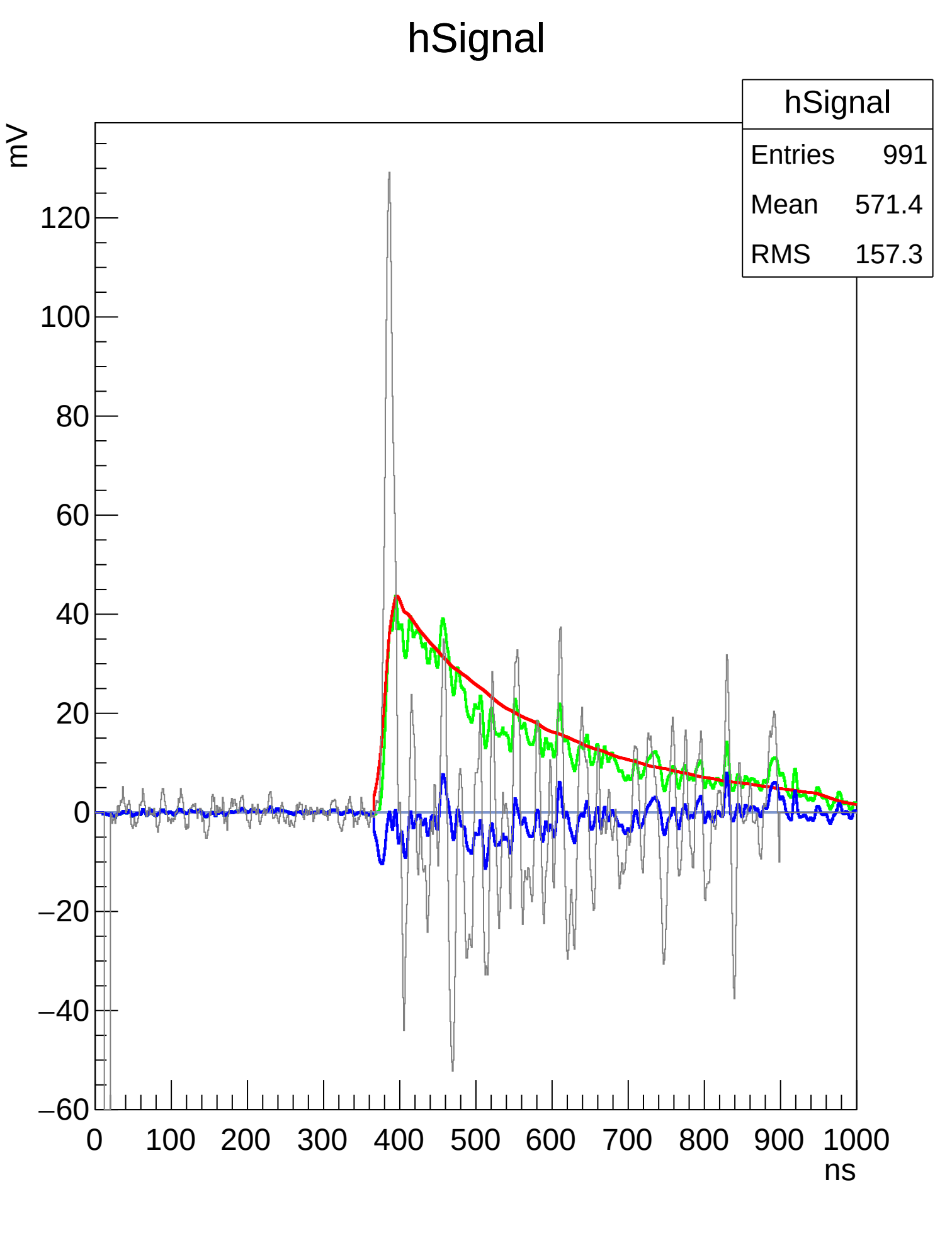

hSignal
hSignal
Entries 991
Mean 508.9
RMS 174.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

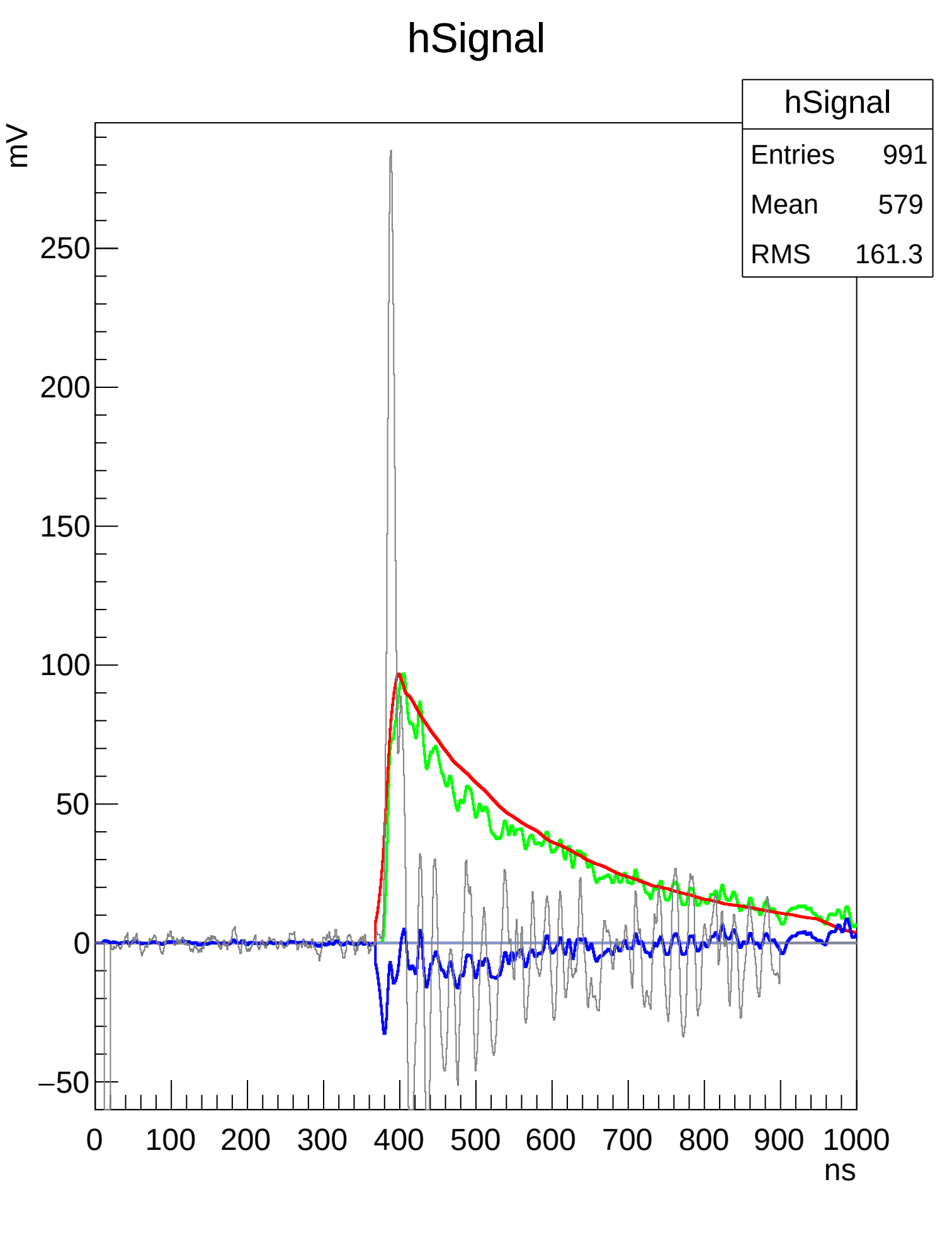

hSignal
hSignal
Entries 991
Mean 570.9
RMS 158.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

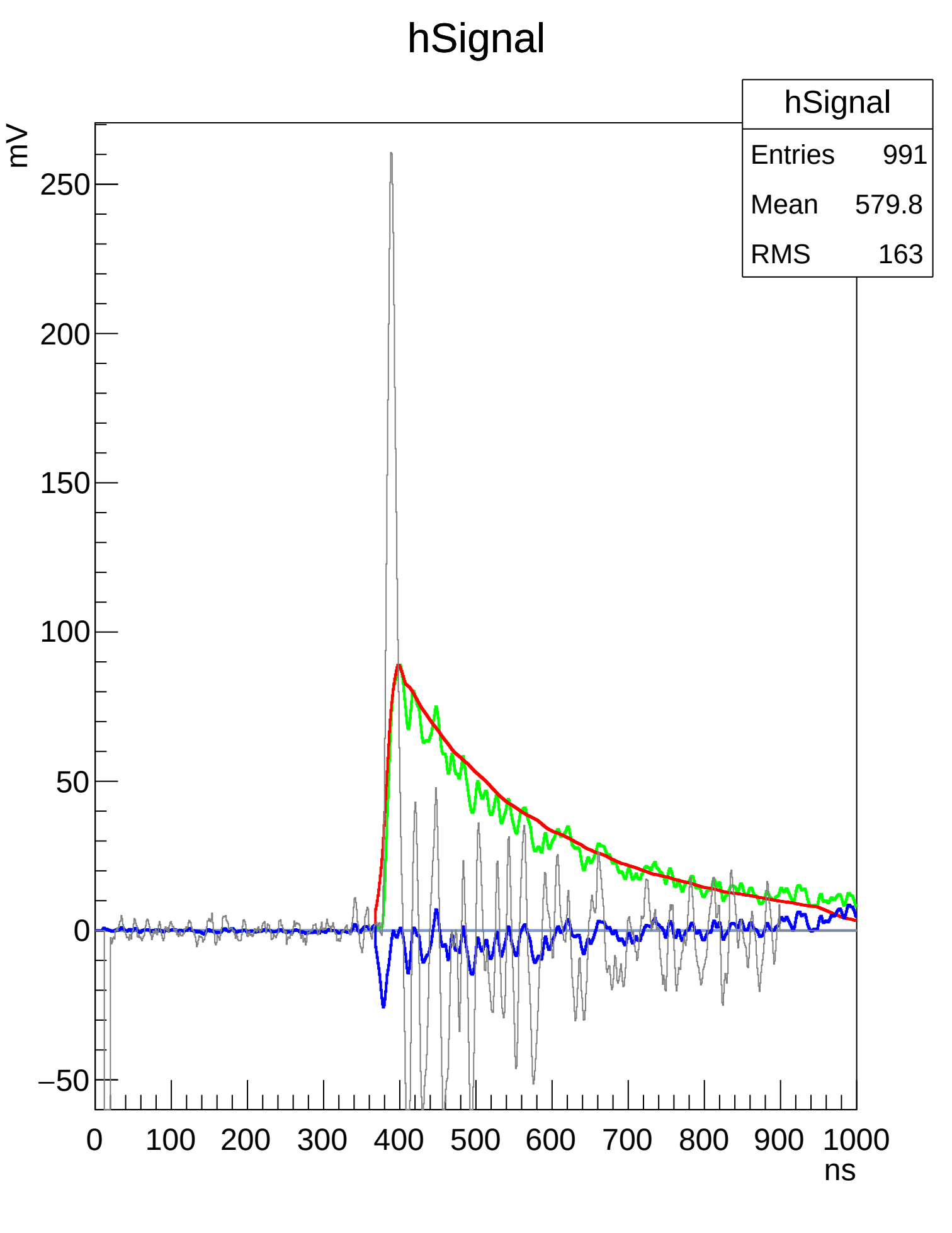

hSignal
hSignal
Entries 991
Mean 504.9
RMS 174.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

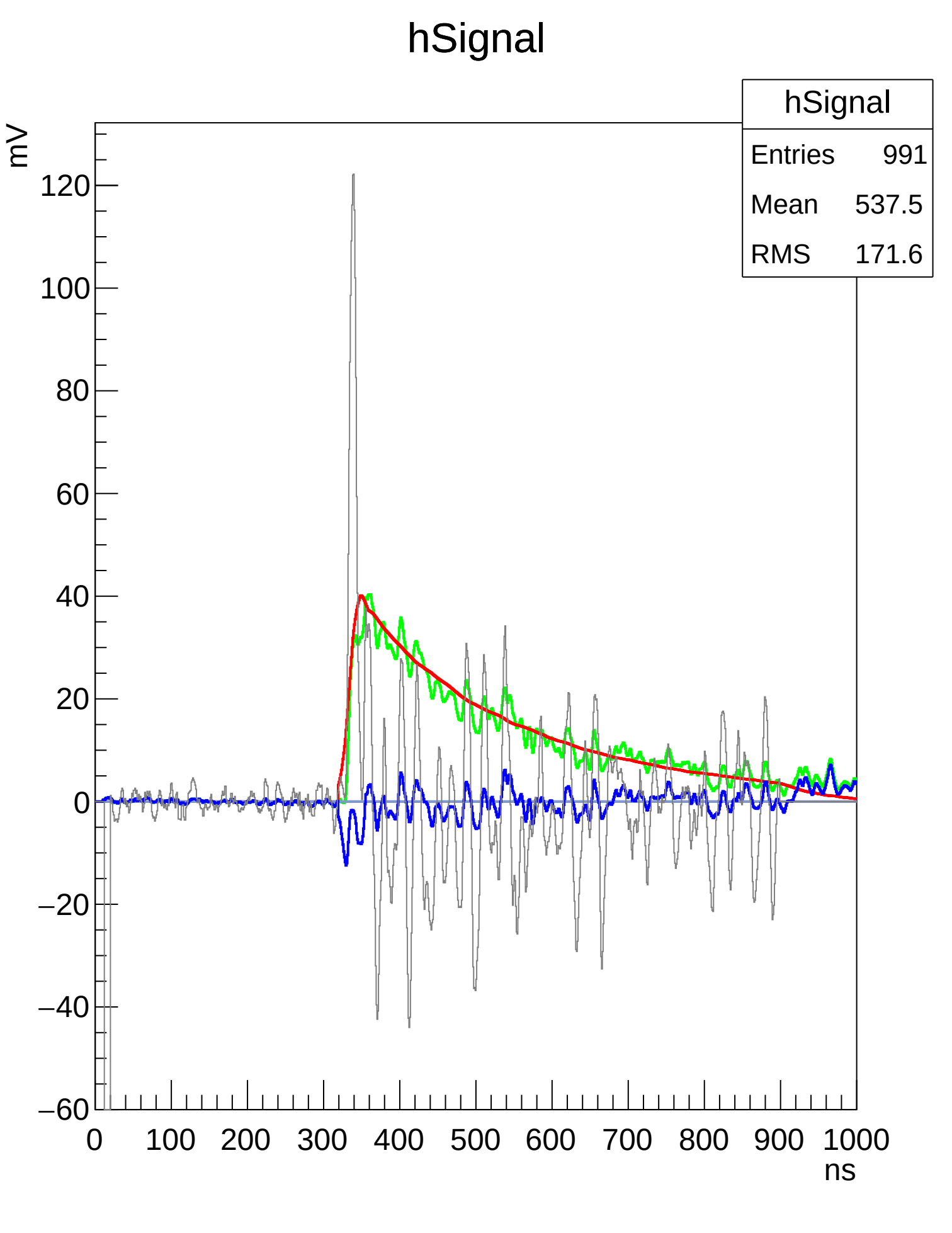

hSignal
hSignal
Entries 991
Mean 505
RMS 175.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

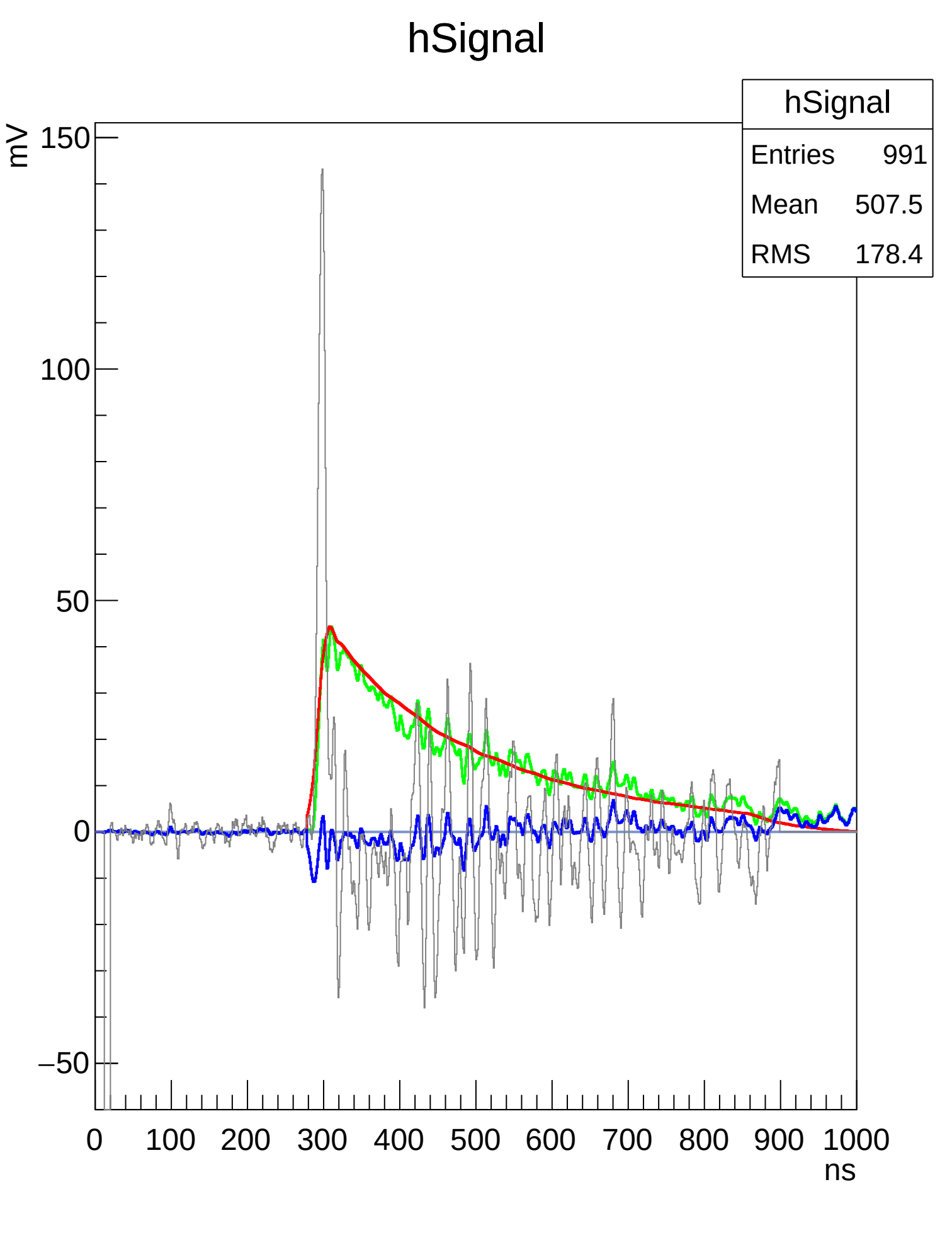

hSignal
hSignal
Entries 991
Mean 490.5
RMS 167.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

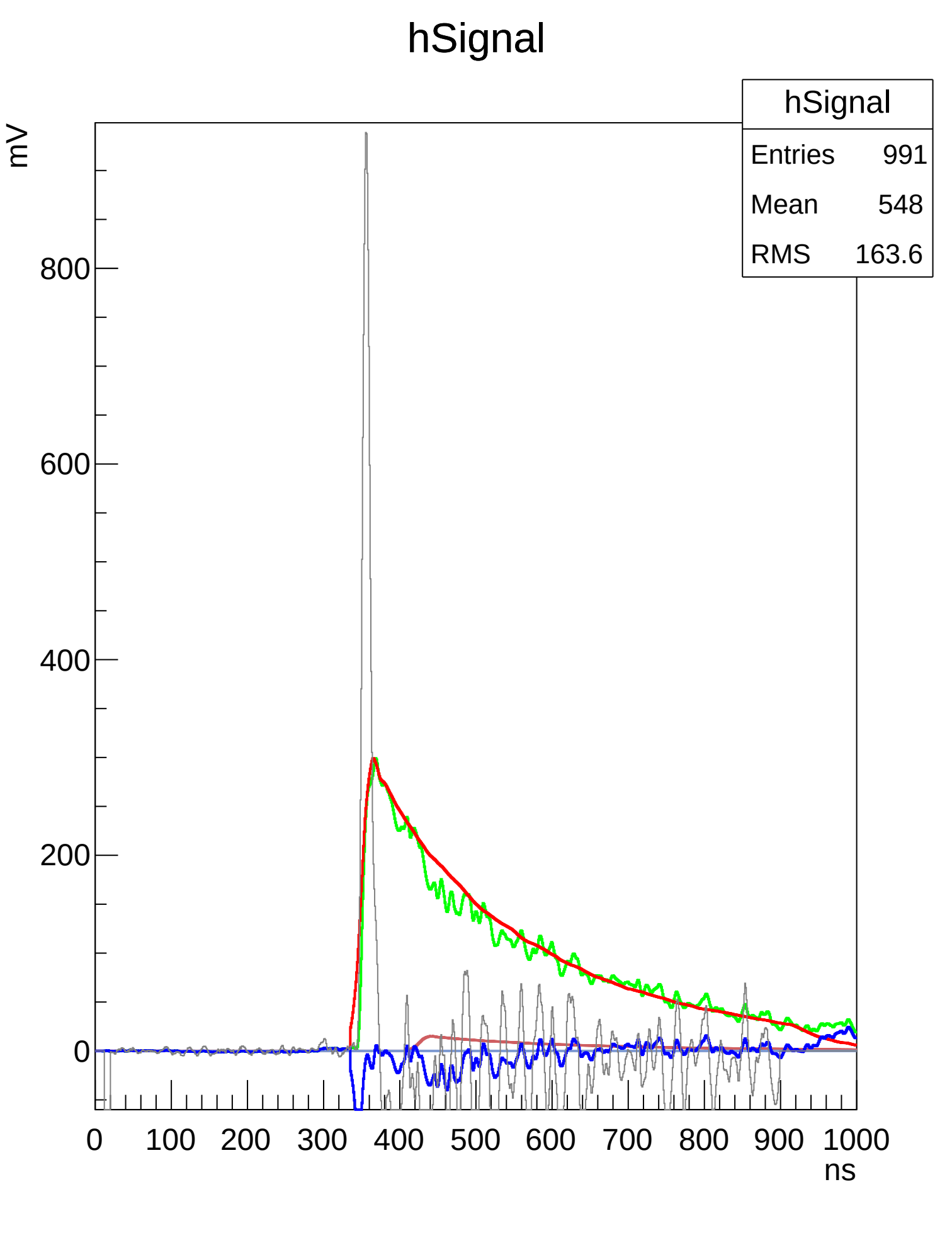

hSignal
hSignal
Entries 991
Mean 571.4
RMS 157.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

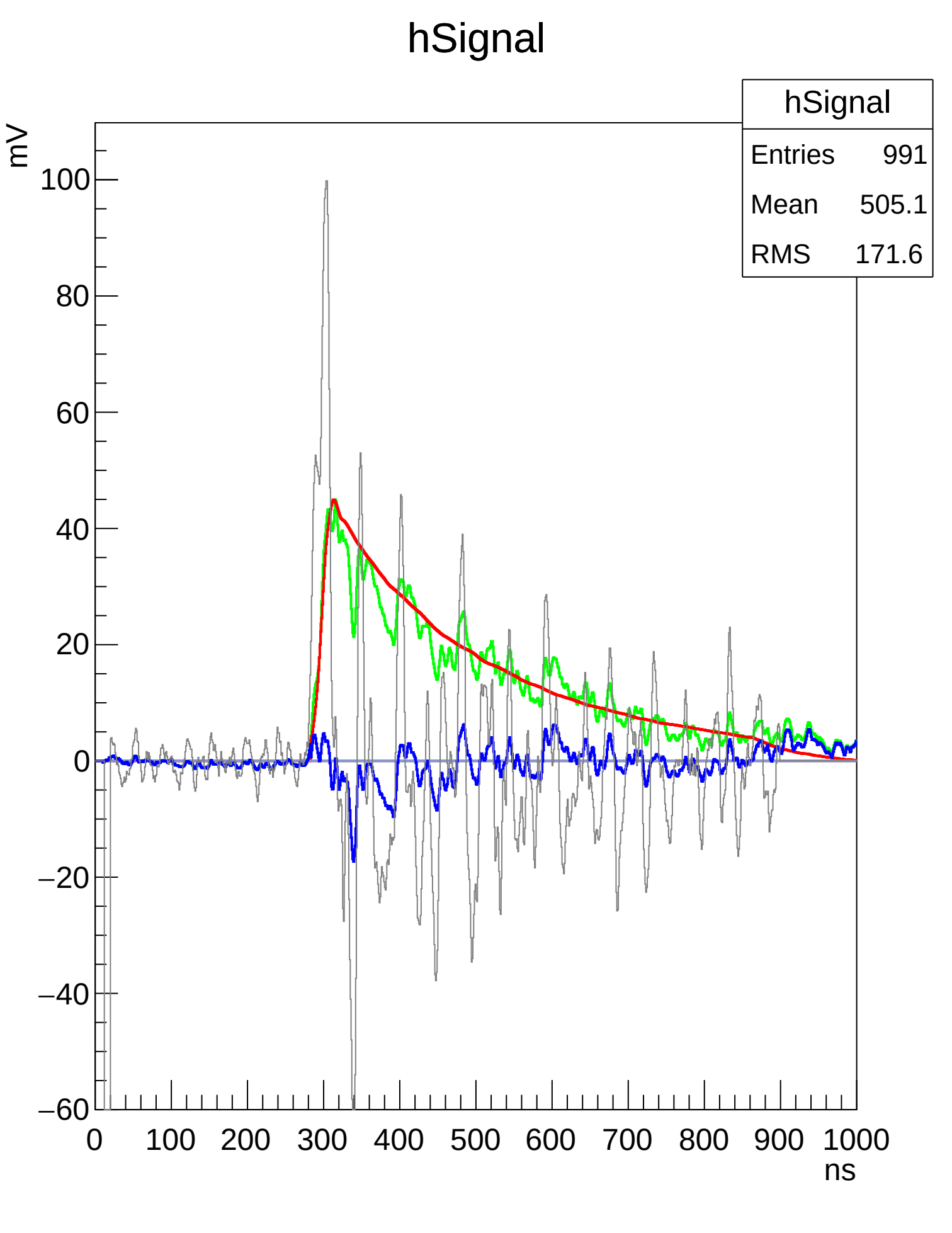

hSignal
hSignal
Entries 991
Mean 579
RMS 161.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

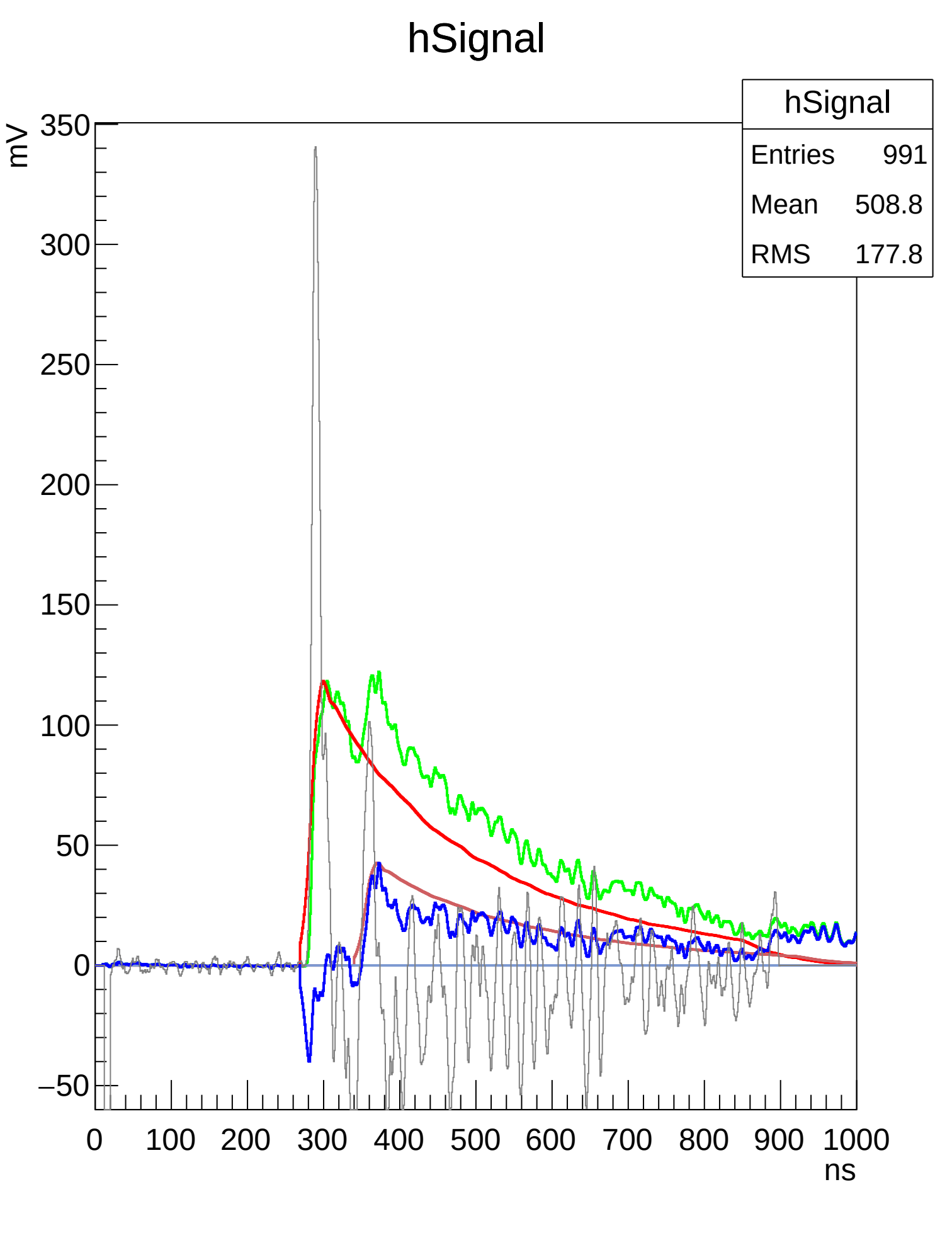

hSignal
hSignal
Entries 991
Mean 579.8
RMS 163
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

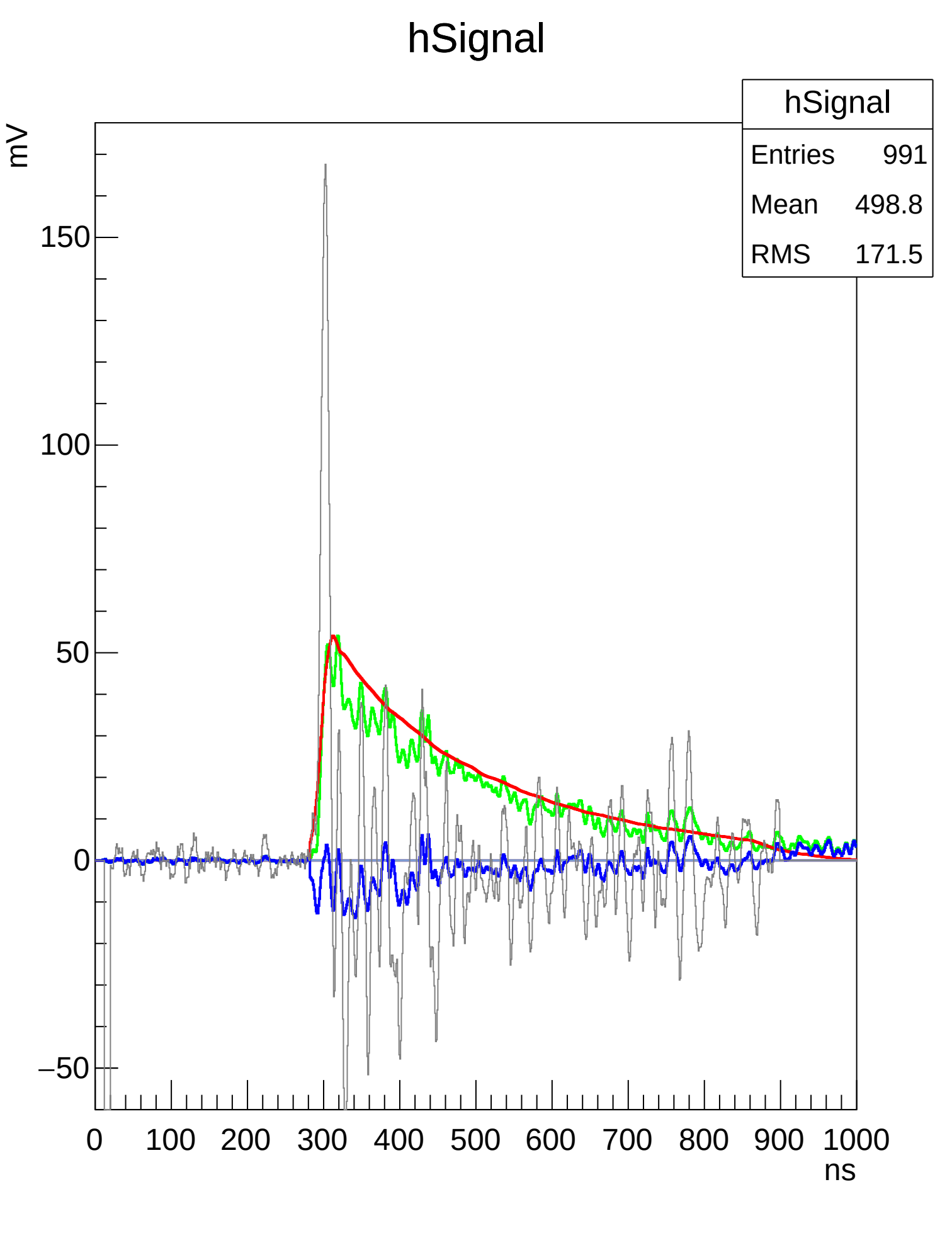

hSignal
hSignal
Entries 991
Mean 537.5
RMS 171.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

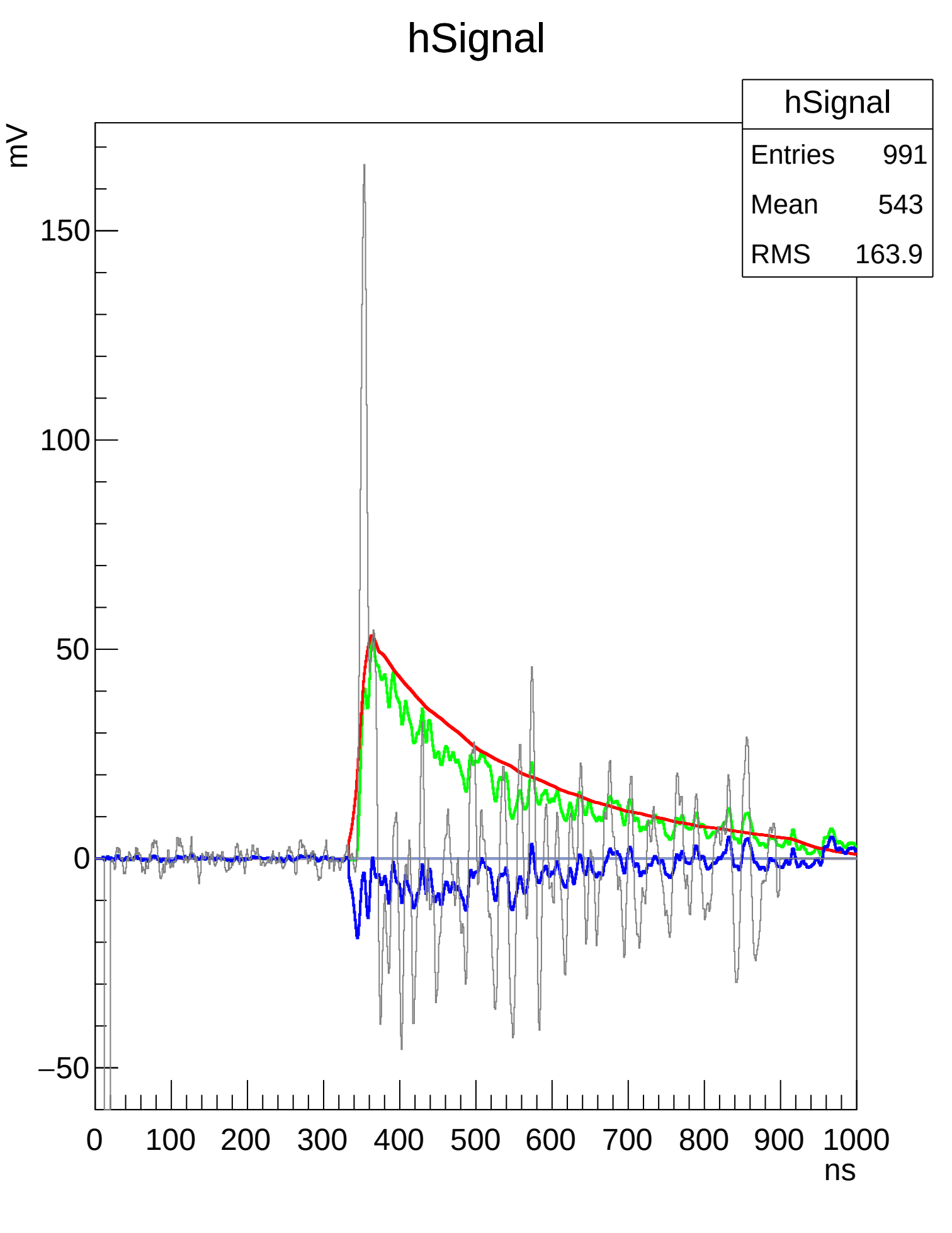

hSignal
hSignal
Entries 991
Mean 507.5
RMS 178.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

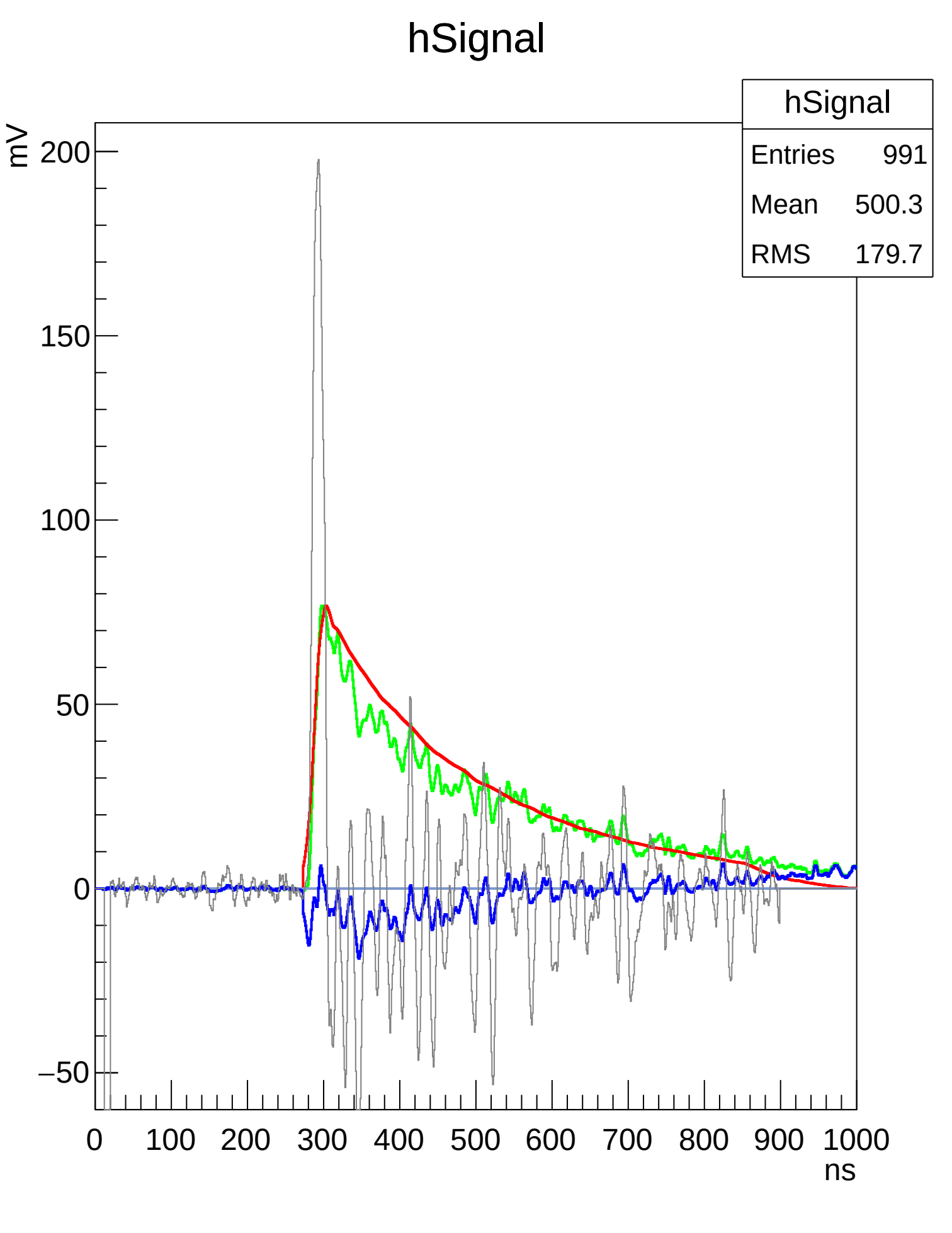

hSignal
hSignal
Entries 991
Mean 548
RMS 163.6
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

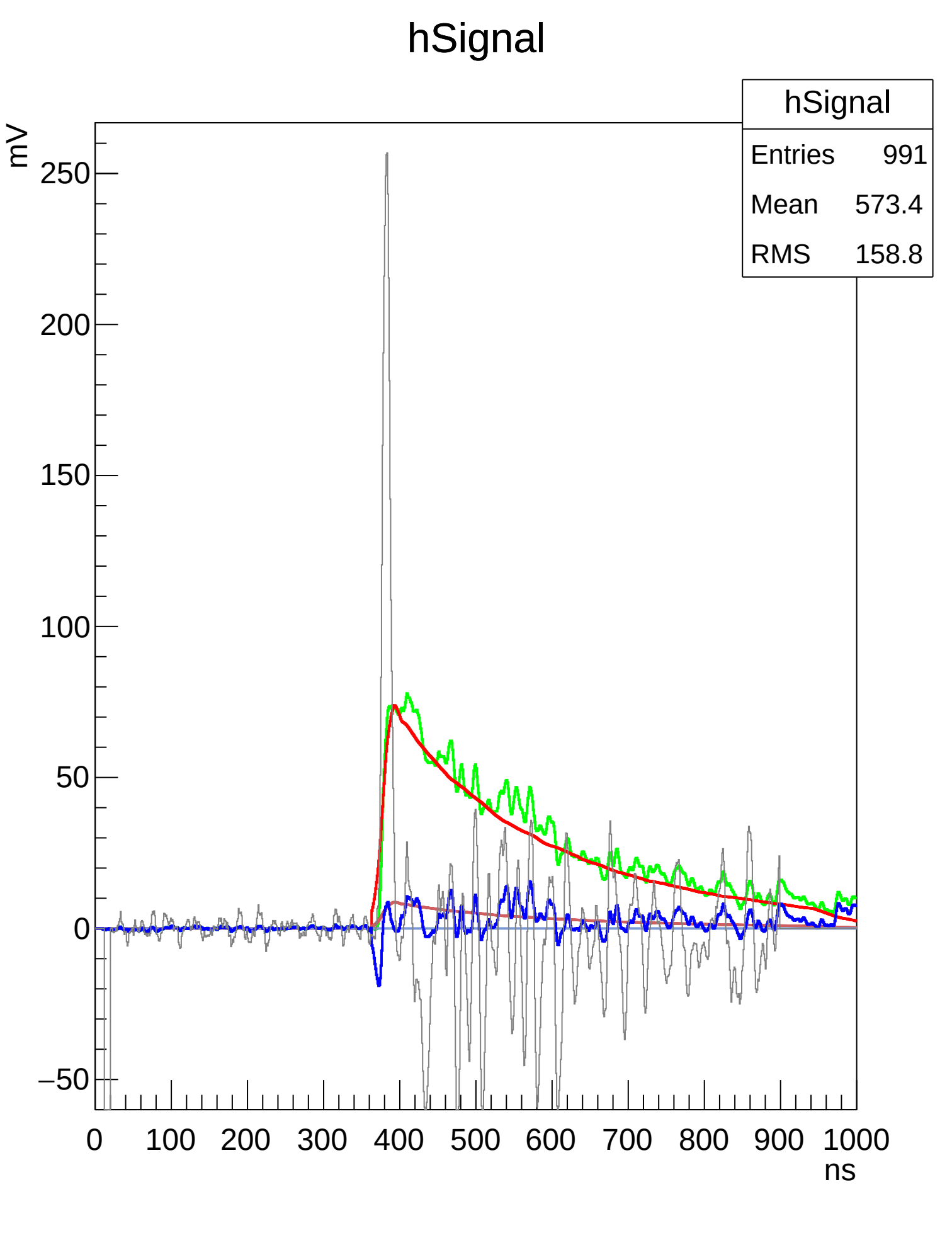

hSignal
hSignal
Entries 991
Mean 505.1
RMS 171.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

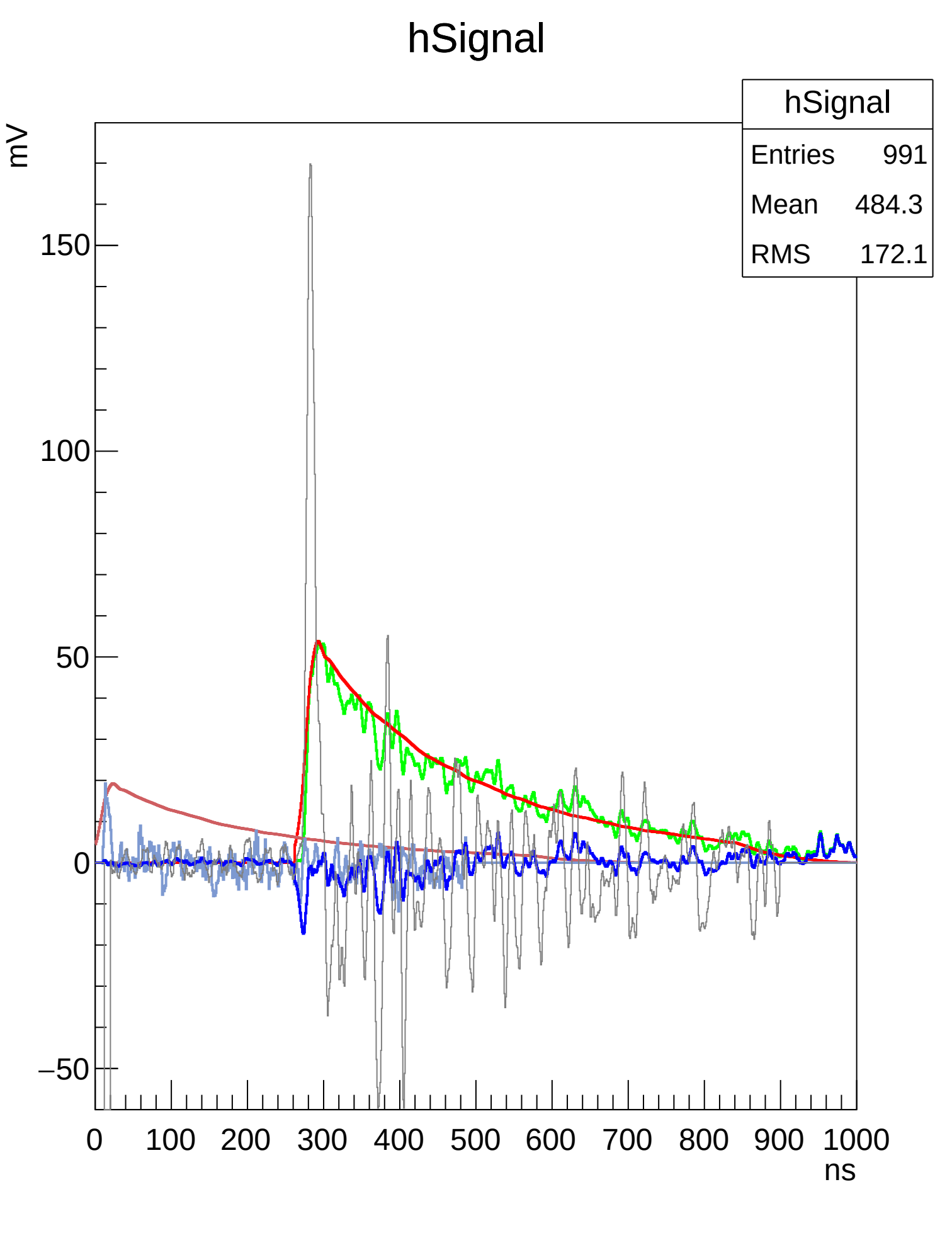

hSignal
hSignal
Entries 991
Mean 508.8
RMS 177.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

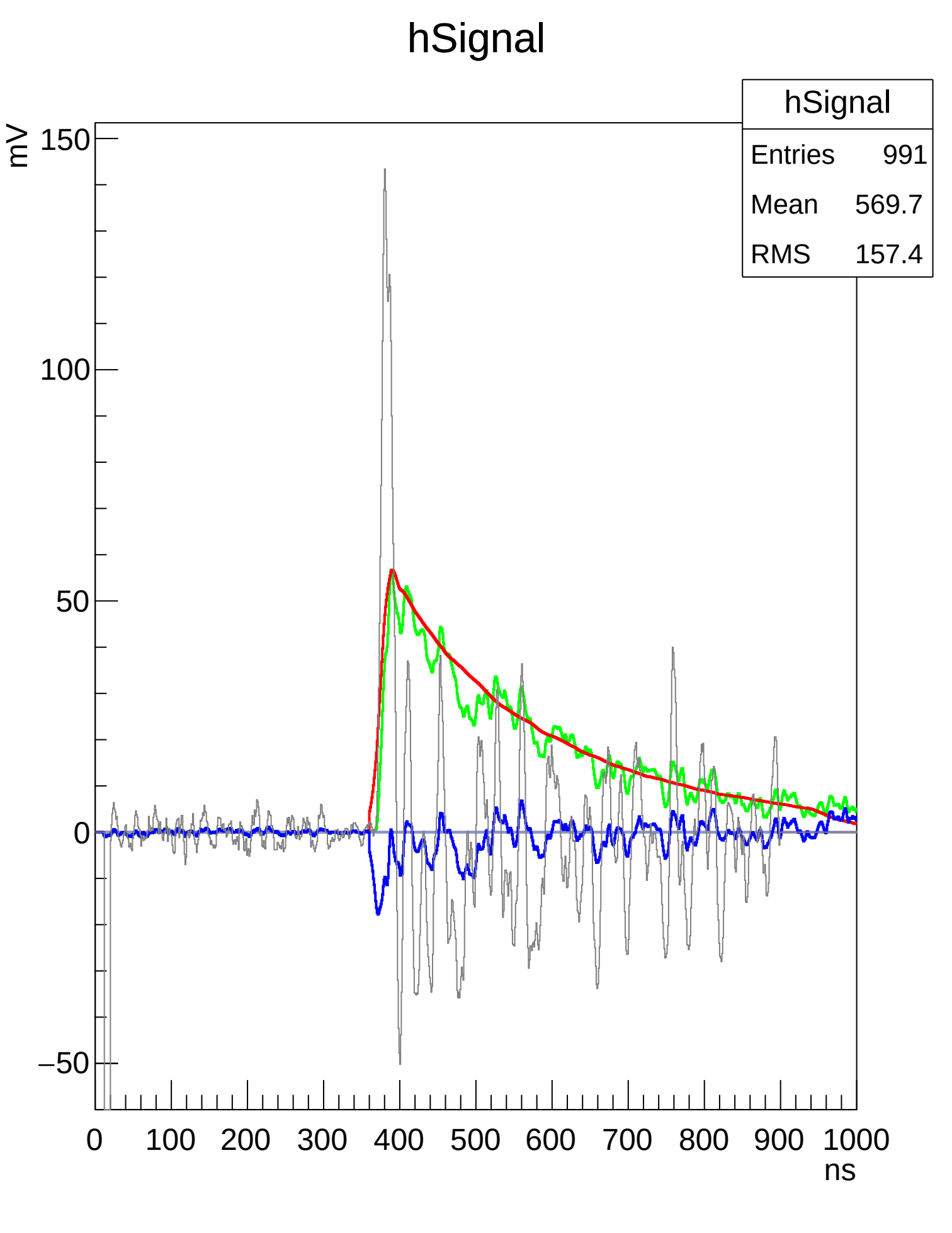

hSignal
hSignal
Entries 991
Mean 498.8
RMS 171.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

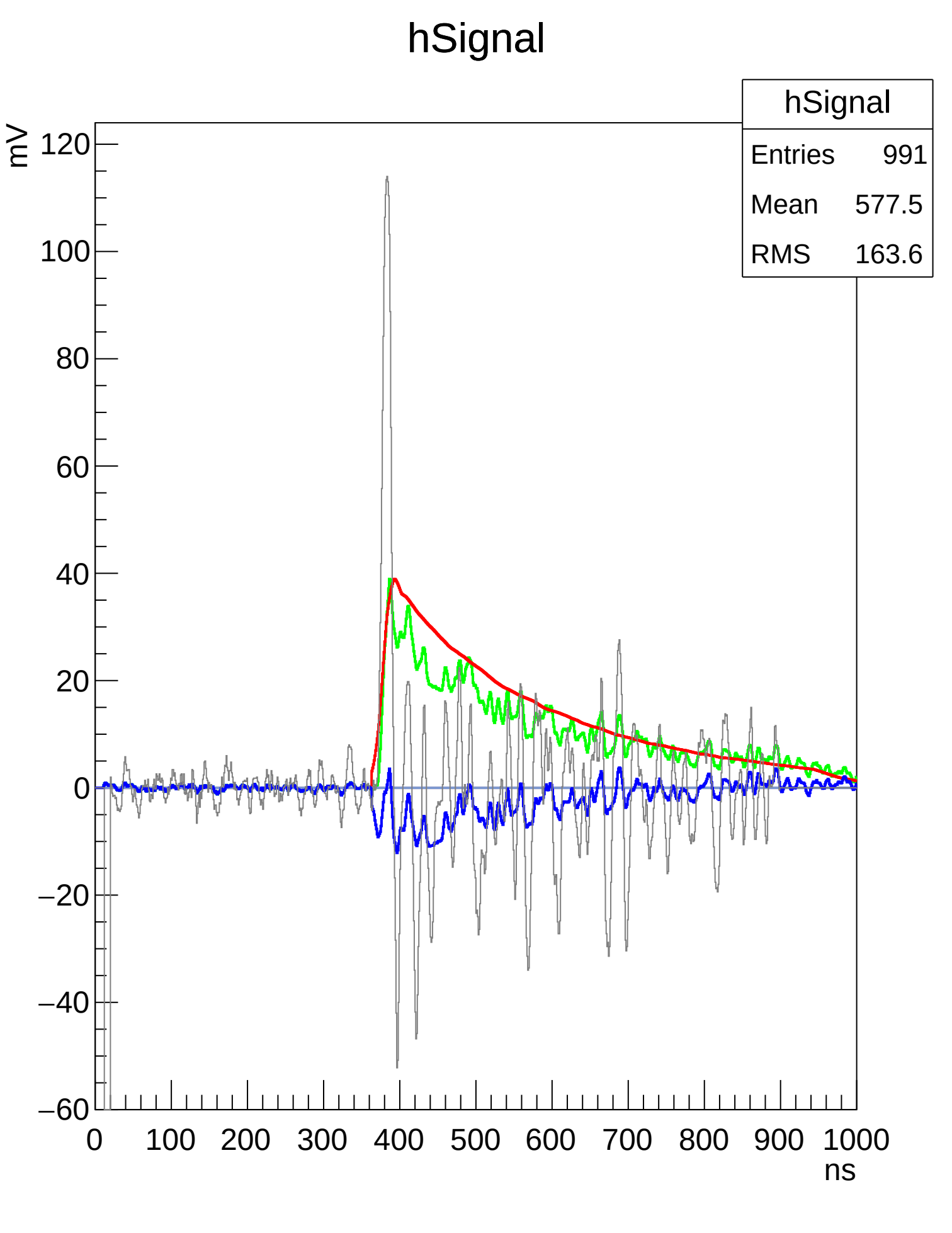

hSignal
hSignal
Entries 991
Mean 543
RMS 163.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

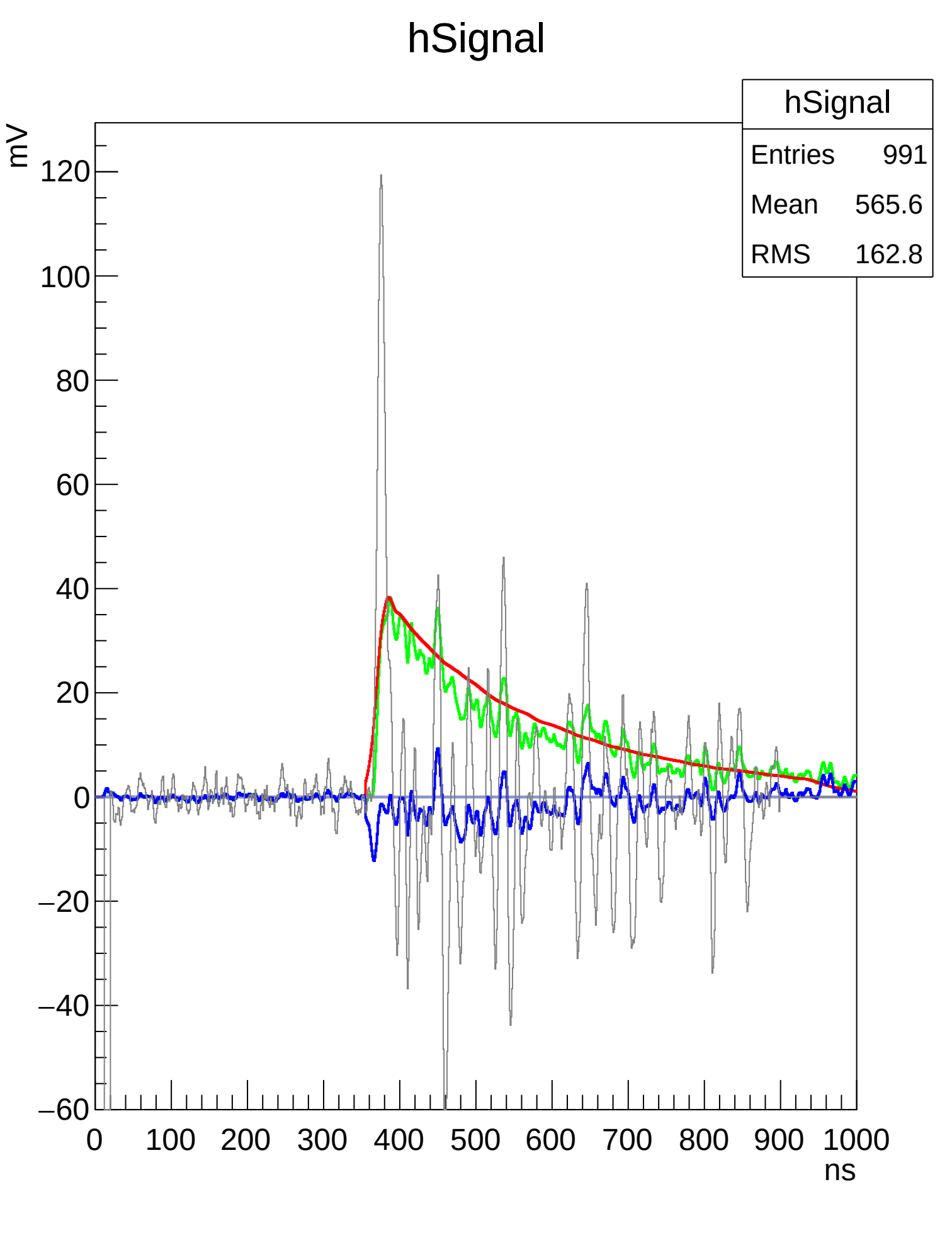

hSignal
hSignal
Entries 991
Mean 500.3
RMS 179.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

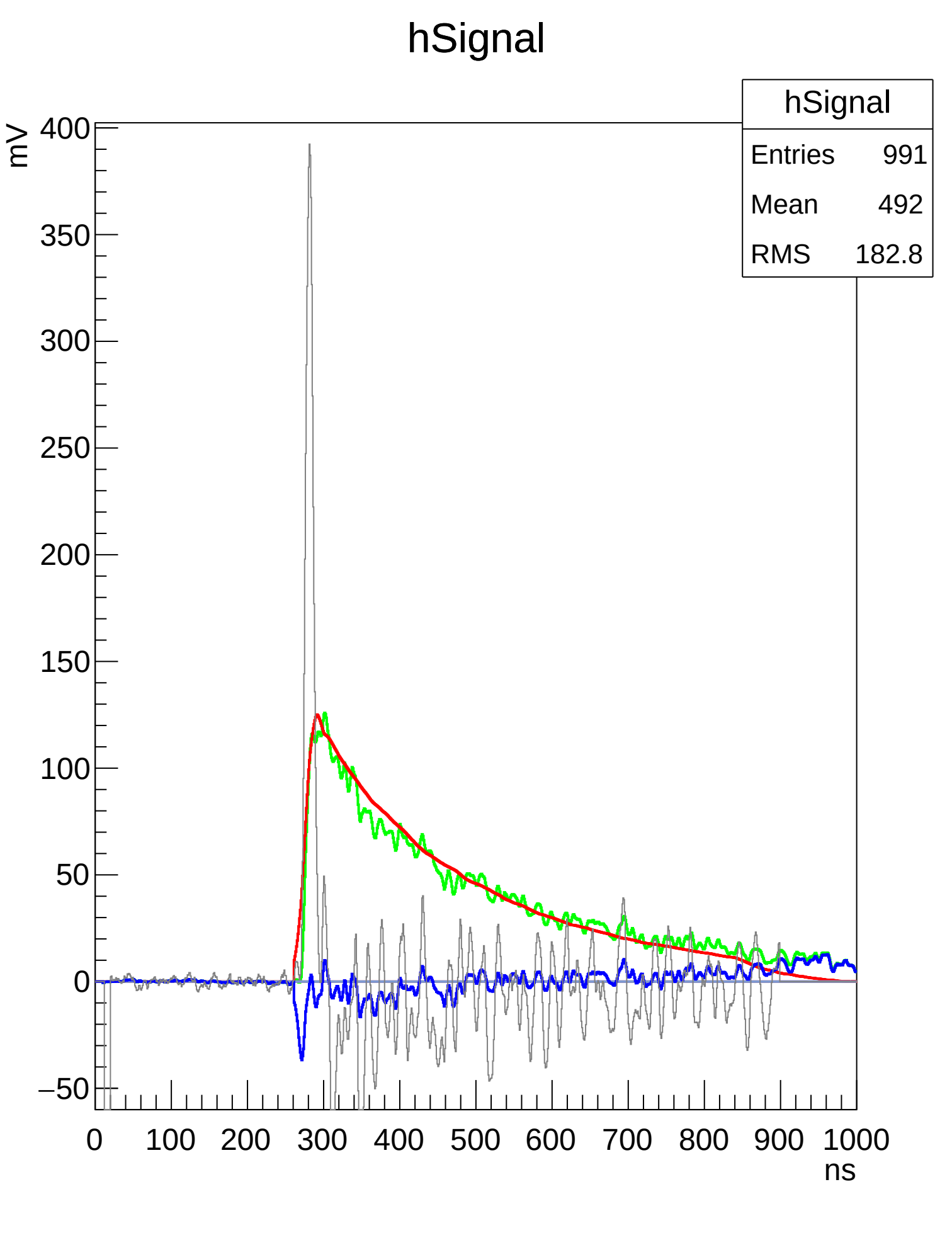

hSignal
hSignal
Entries 991
Mean 573.4
RMS 158.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

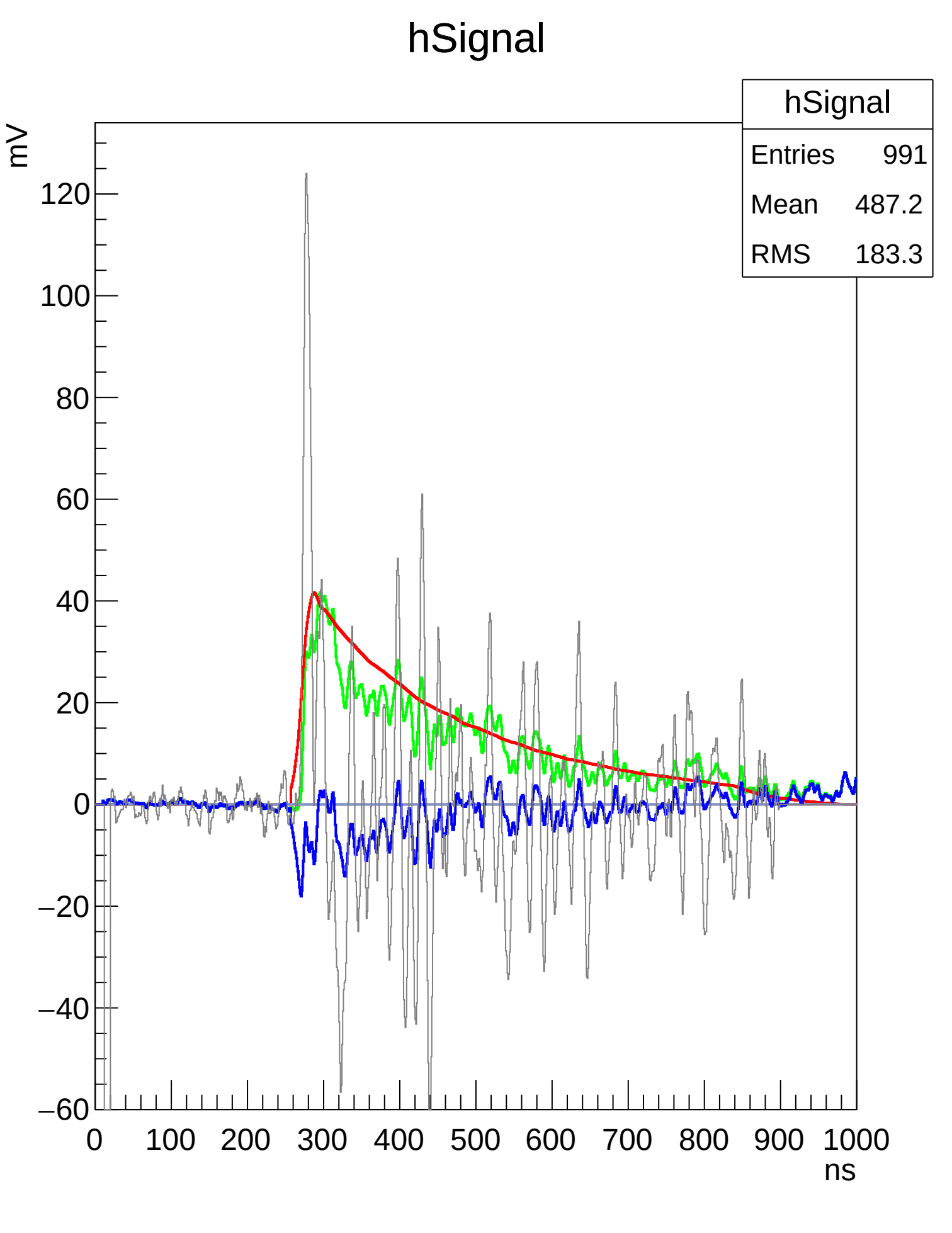

hSignal
hSignal
Entries 991
Mean 484.3
RMS 172.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

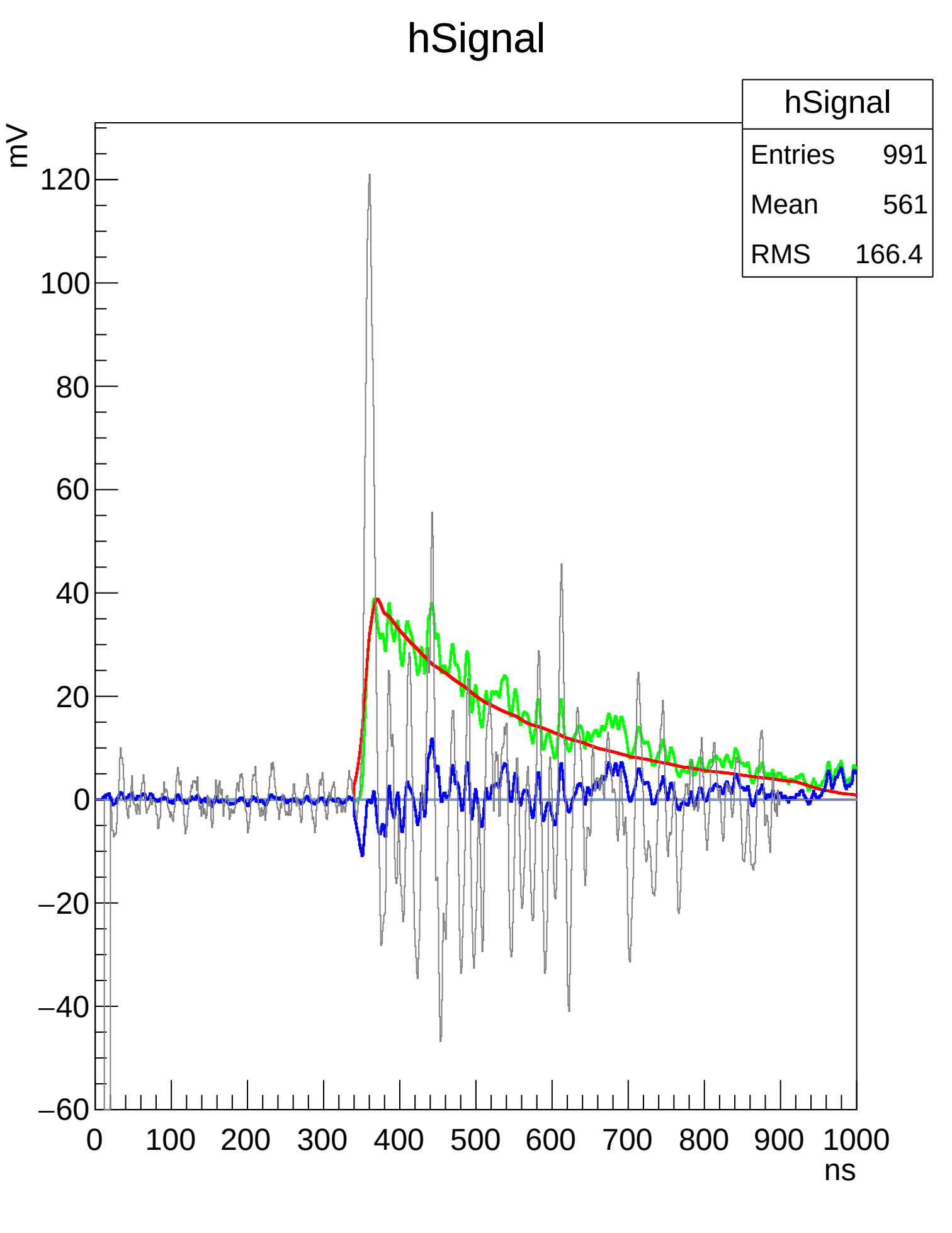

hSignal
hSignal
Entries 991
Mean 569.7
RMS 157.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

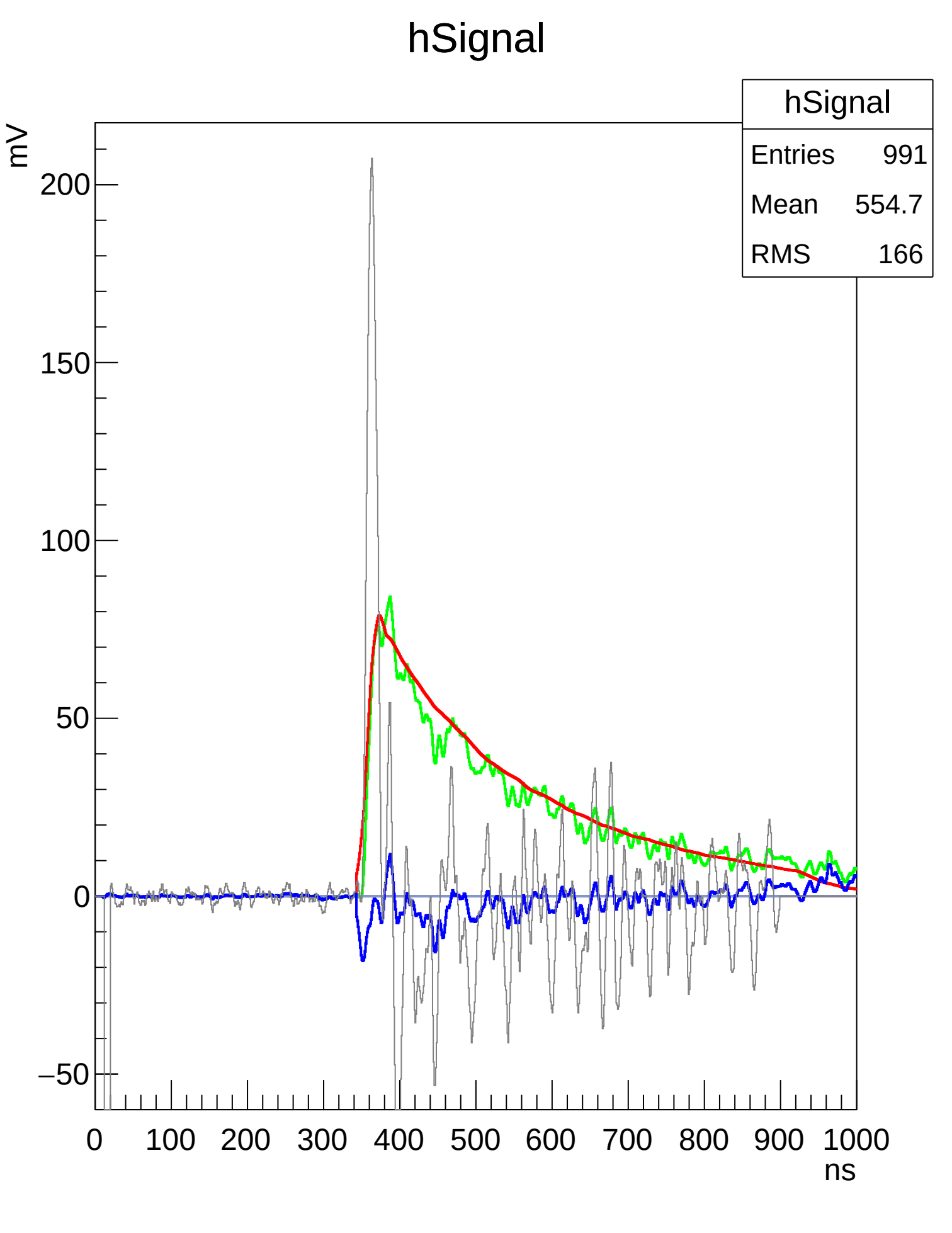

hSignal
hSignal
Entries 991
Mean 577.5
RMS 163.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

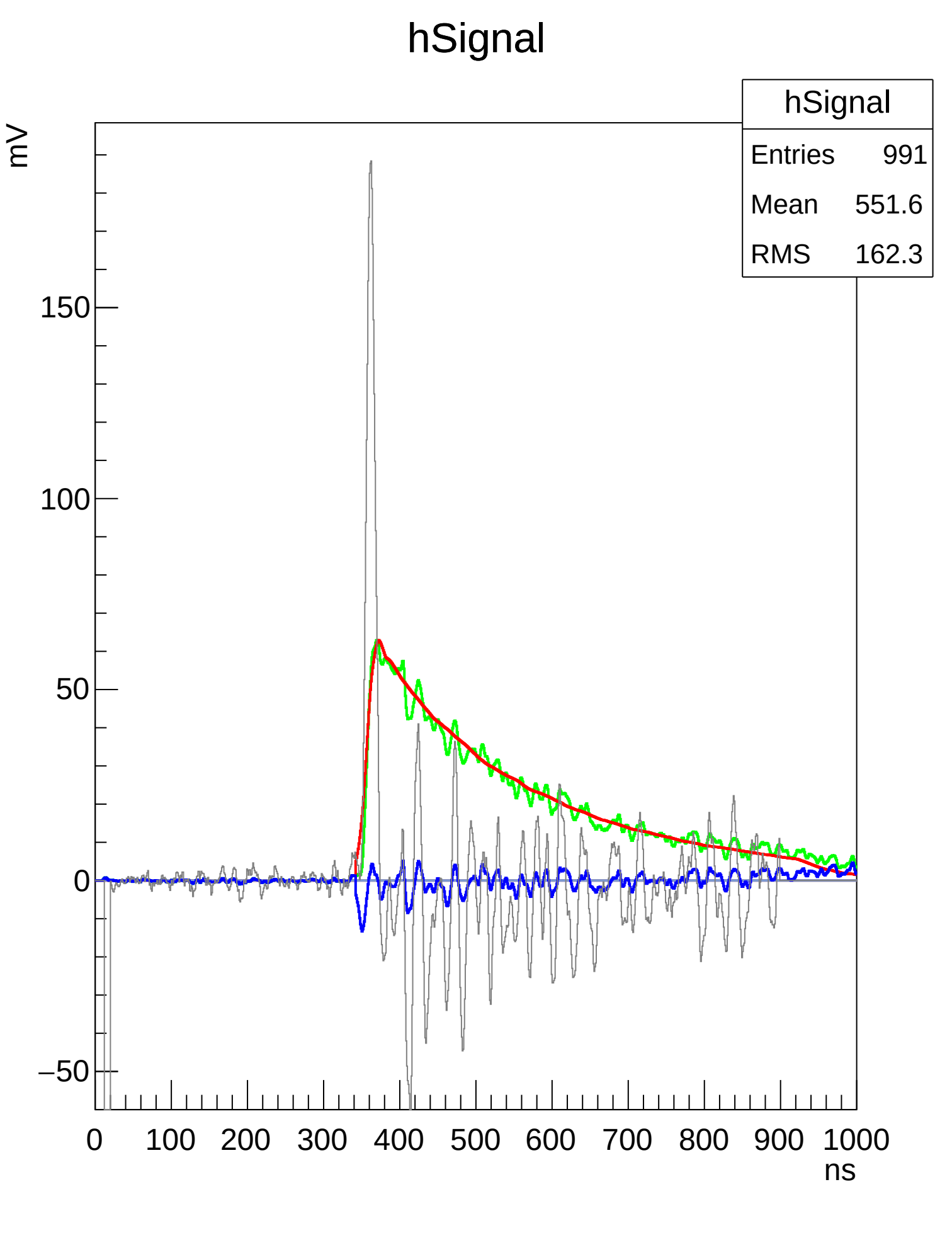

hSignal
hSignal
Entries 991
Mean 565.6
RMS 162.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

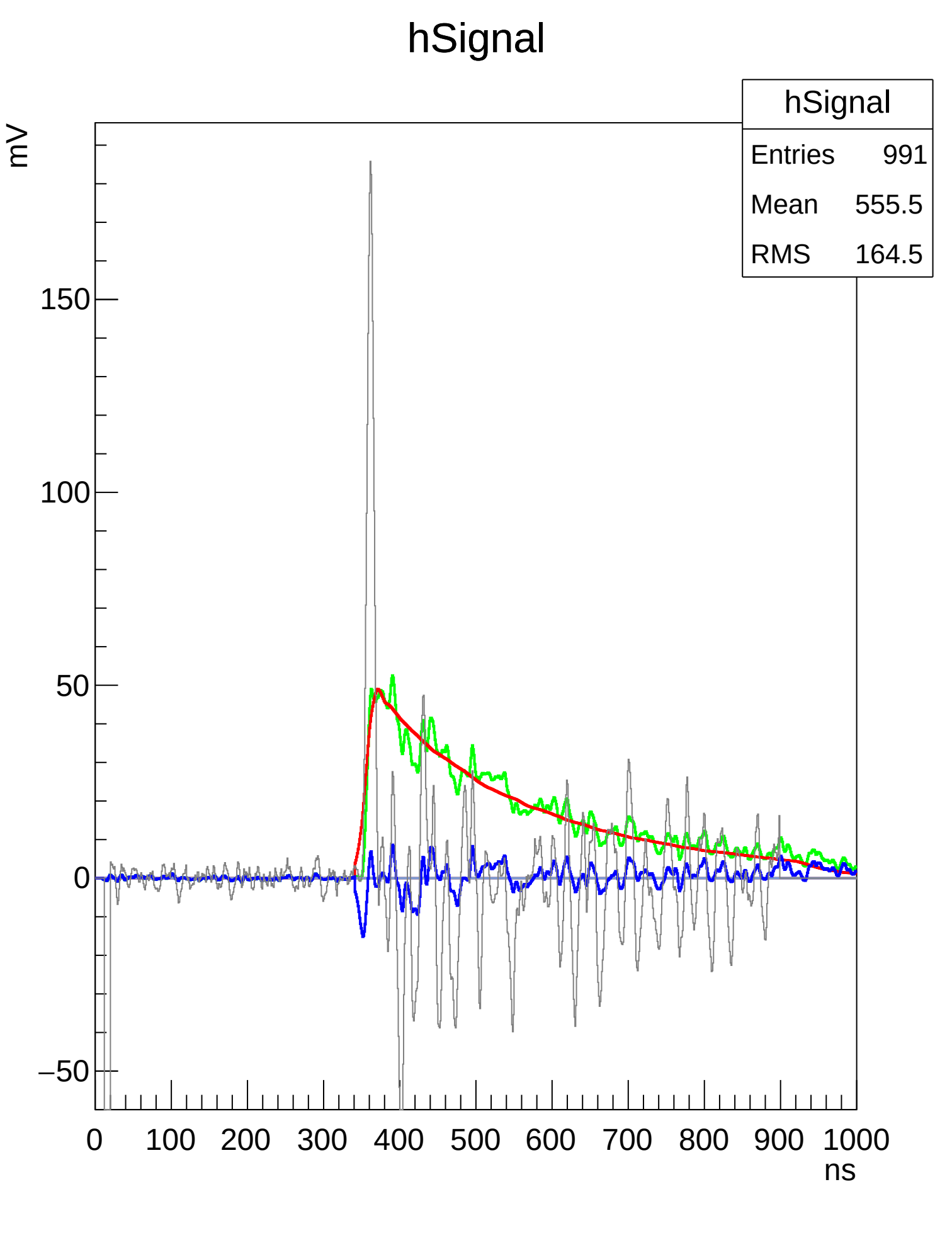

hSignal
hSignal
Entries 991
Mean 492
RMS 182.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

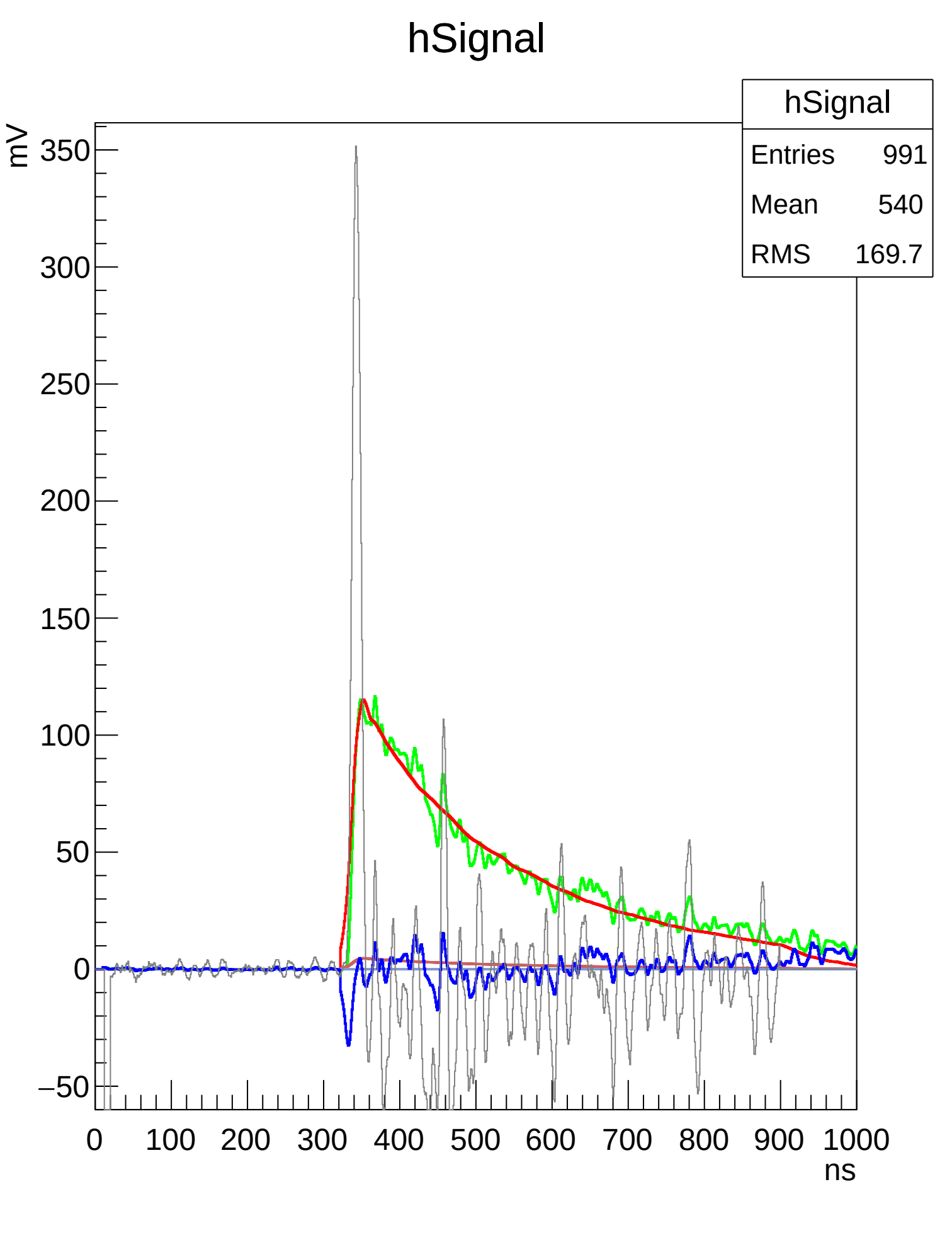

hSignal
hSignal
Entries 991
Mean 487.2
RMS 183.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

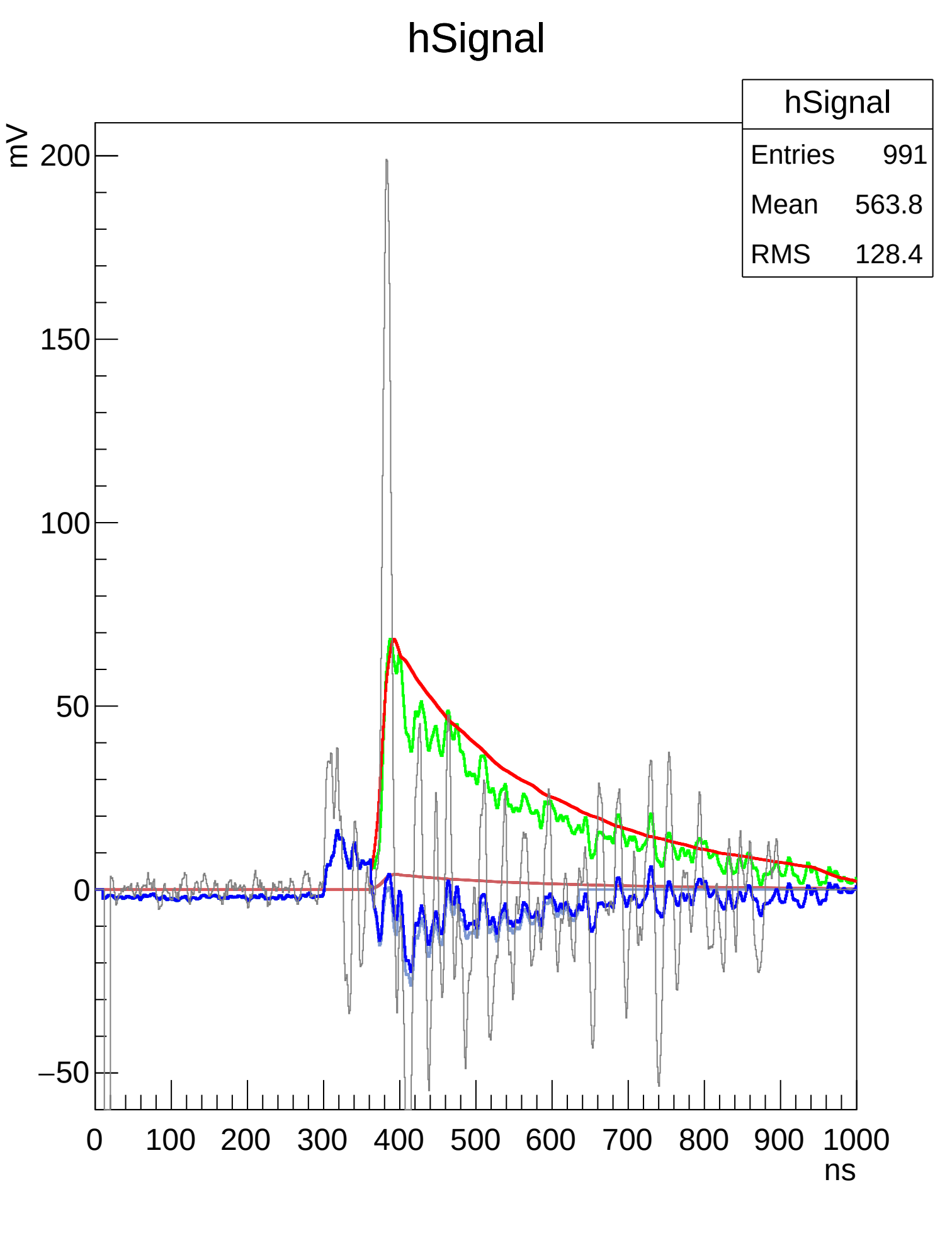

hSignal
hSignal
Entries 991
Mean 561
RMS 166.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

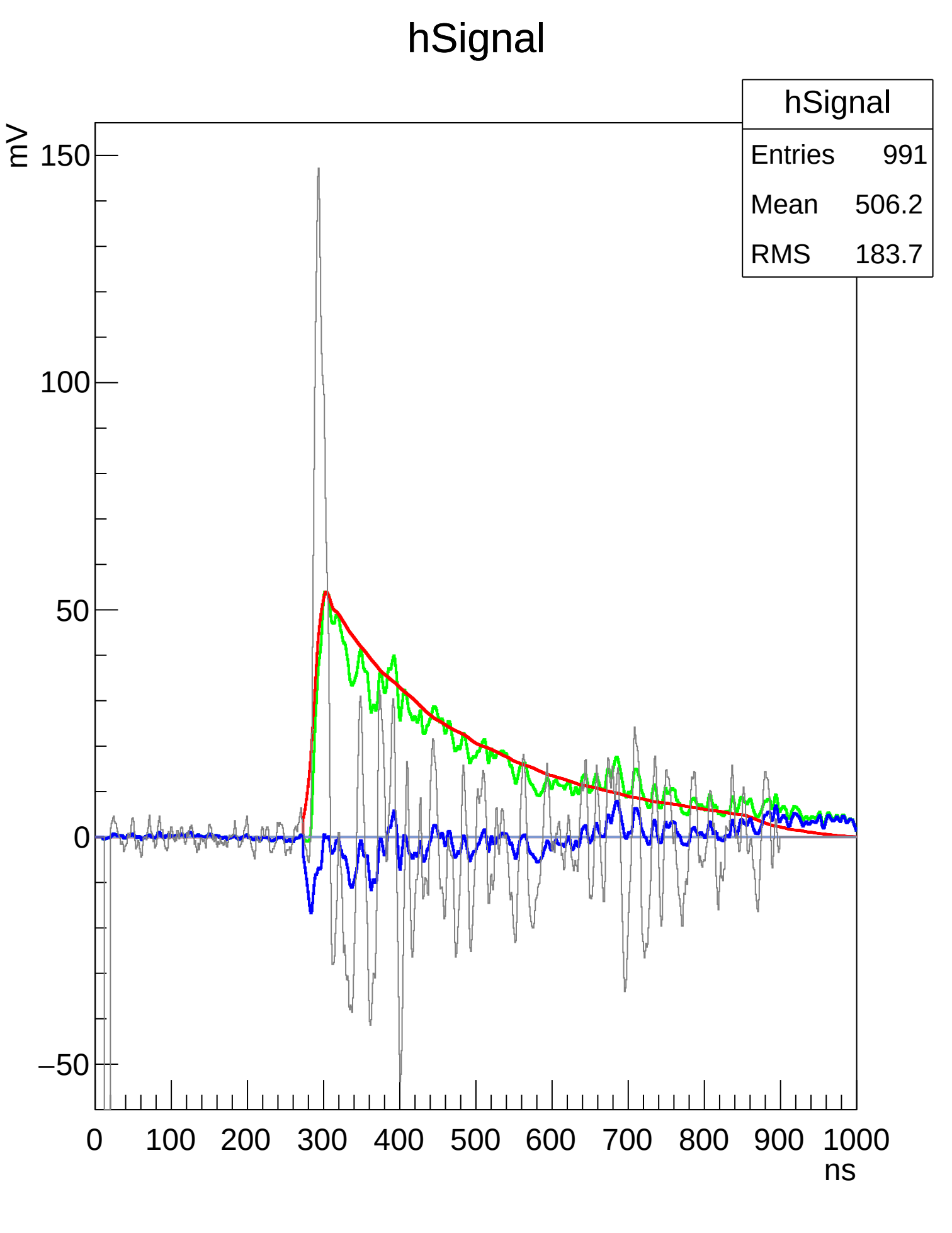

hSignal
hSignal
Entries 991
Mean 554.7
RMS 166
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

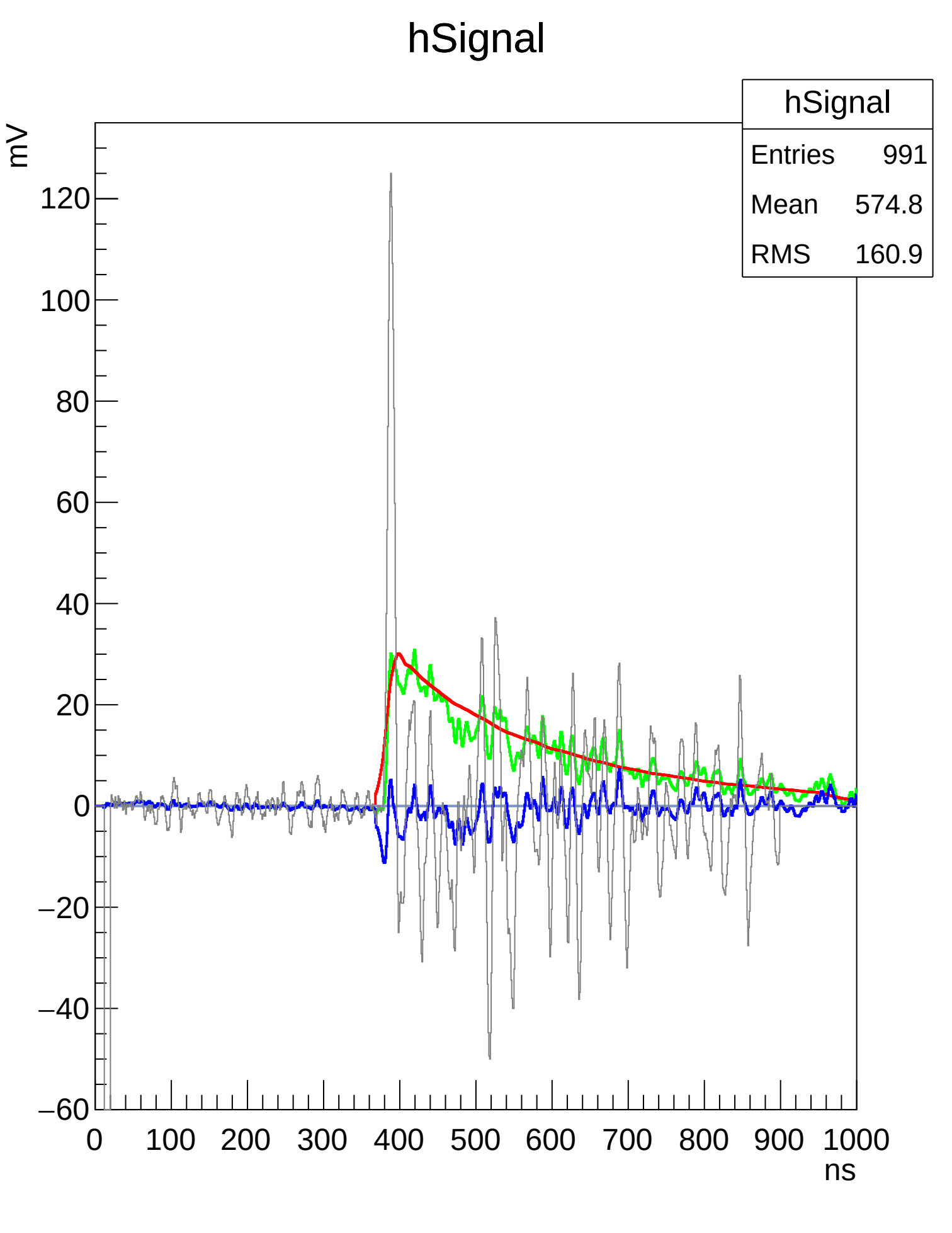

hSignal
hSignal
Entries 991
Mean 551.6
RMS 162.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

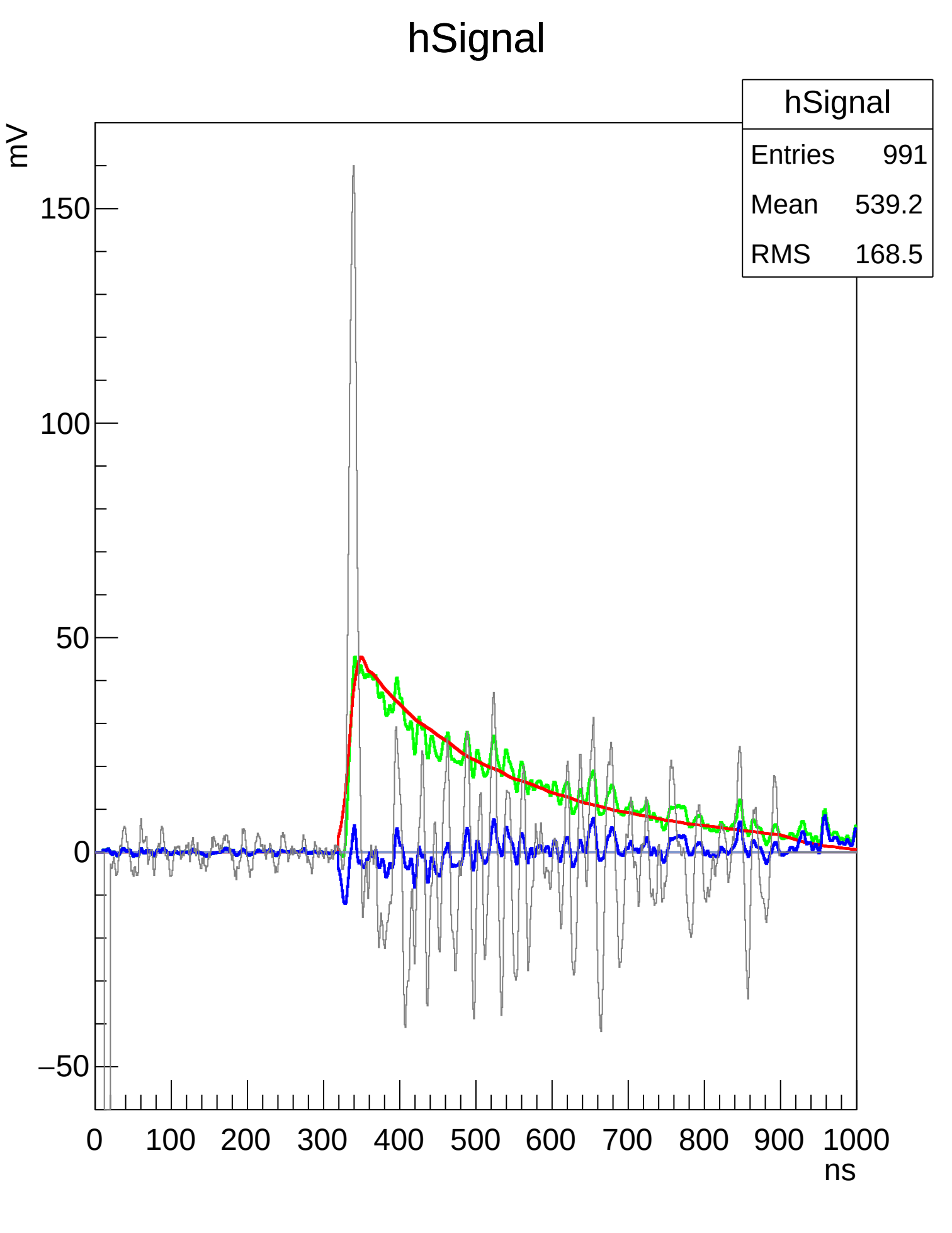

hSignal
hSignal
Entries 991
Mean 555.5
RMS 164.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

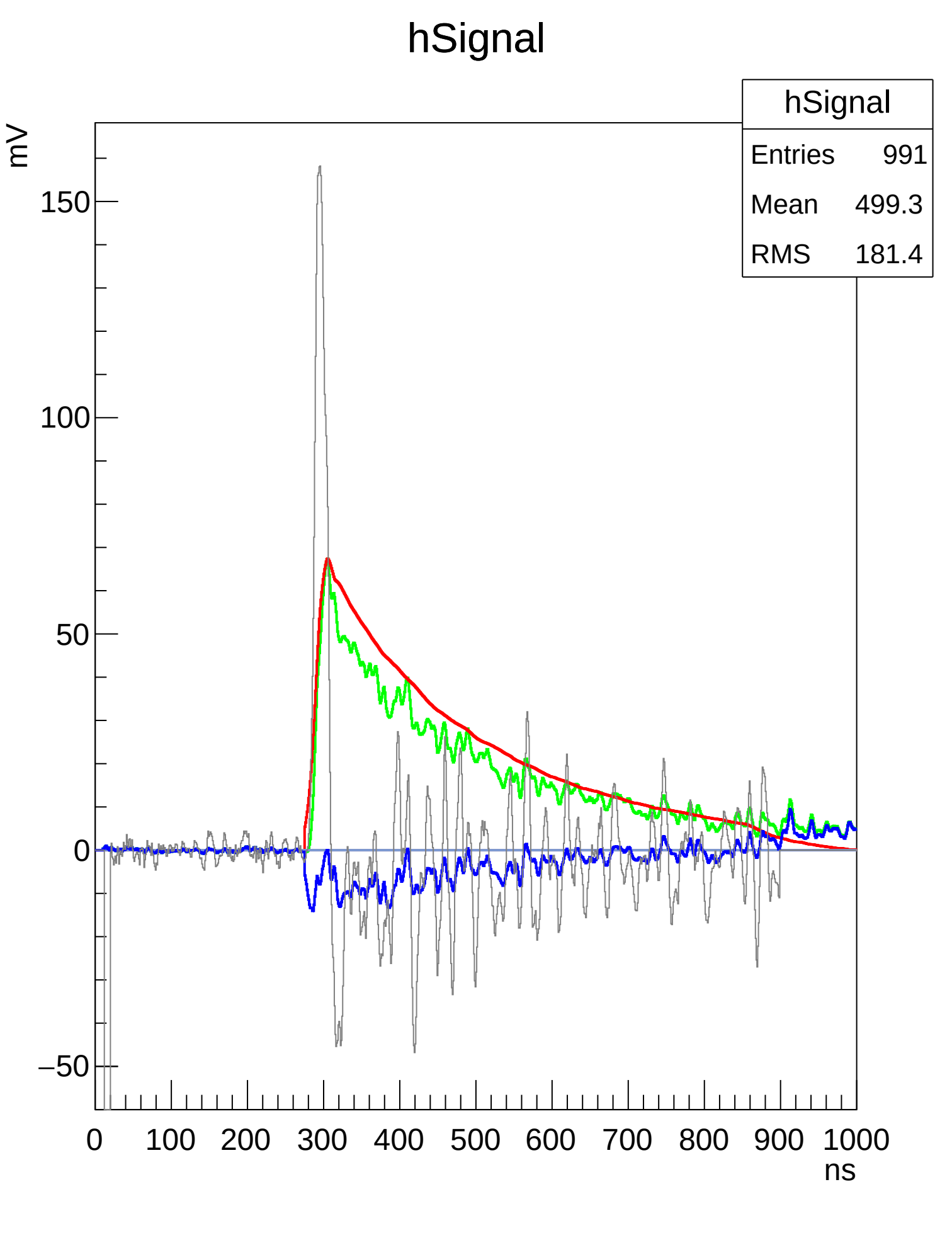

hSignal
hSignal
Entries 991
Mean 540
RMS 169.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

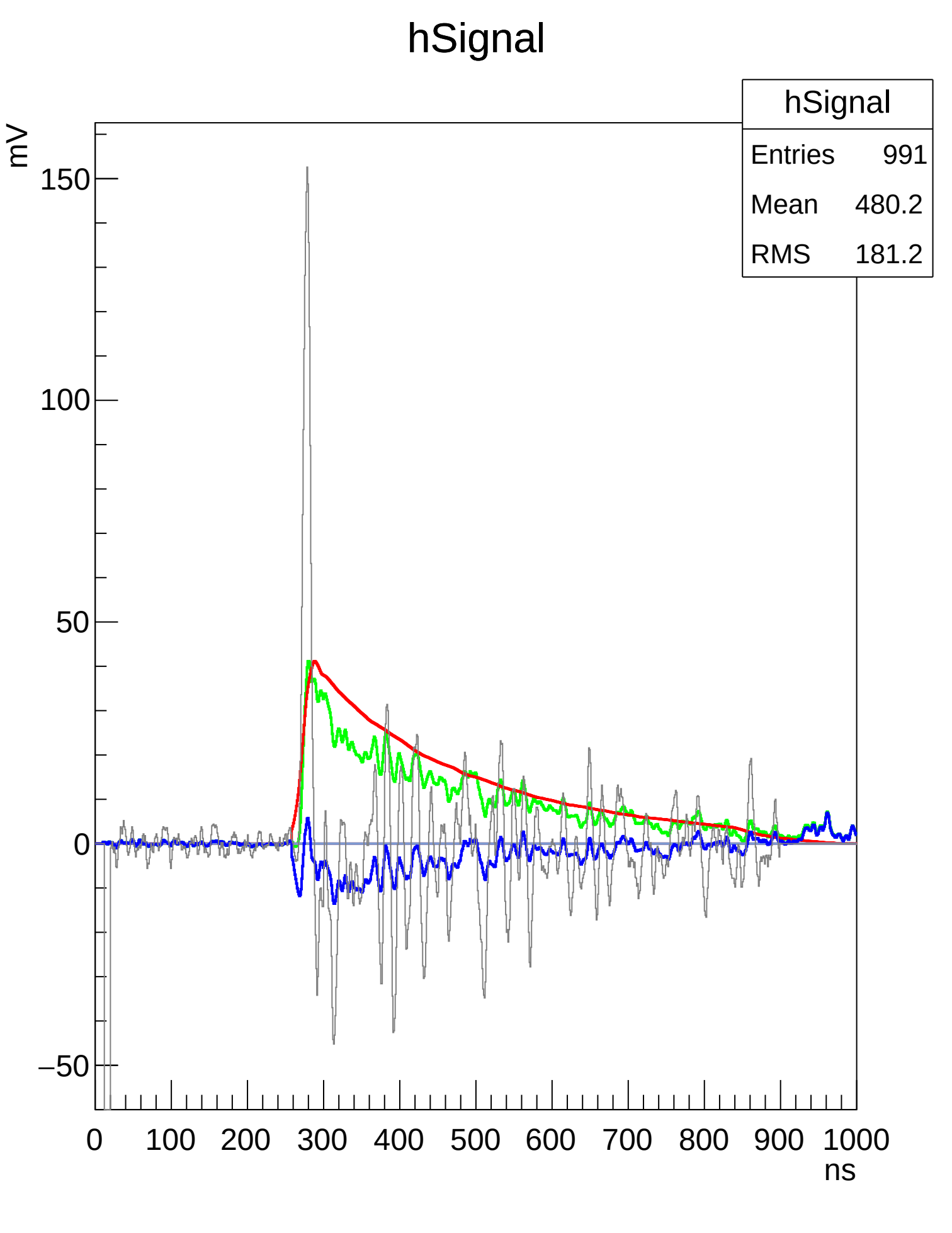

hSignal
hSignal
Entries 991
Mean 563.8
RMS 128.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

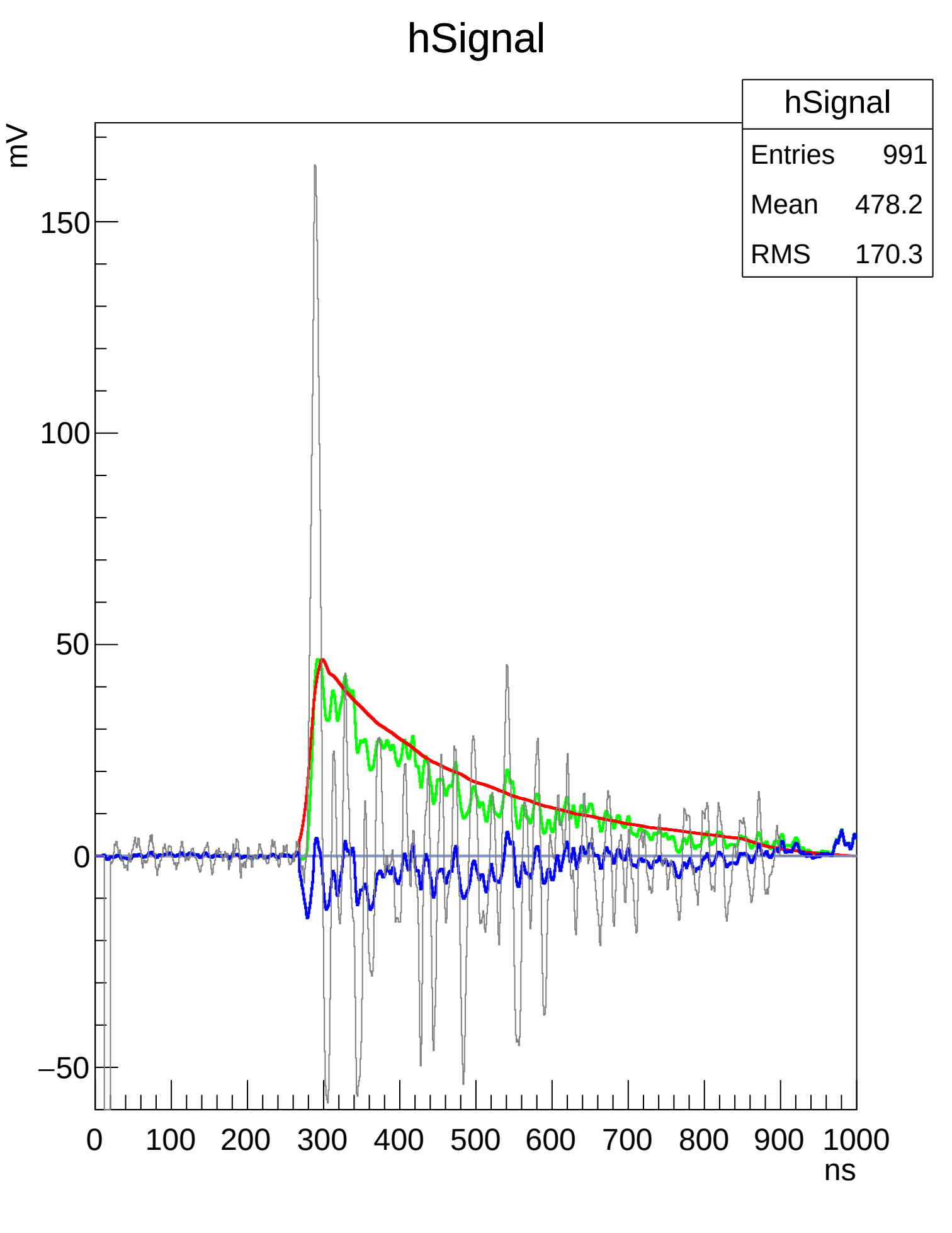

hSignal
hSignal
Entries 991
Mean 506.2
RMS 183.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

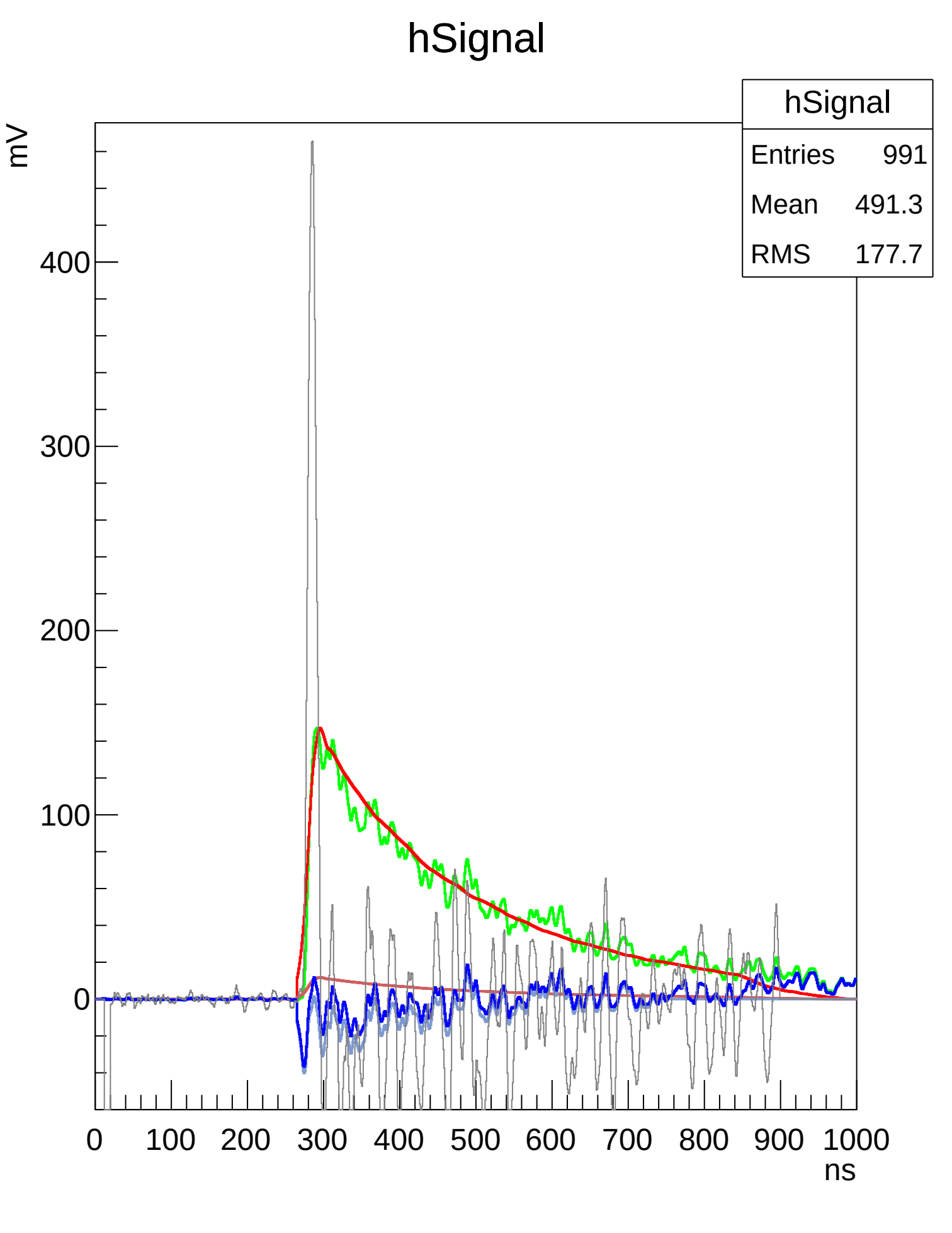

hSignal
hSignal
Entries 991
Mean 574.8
RMS 160.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

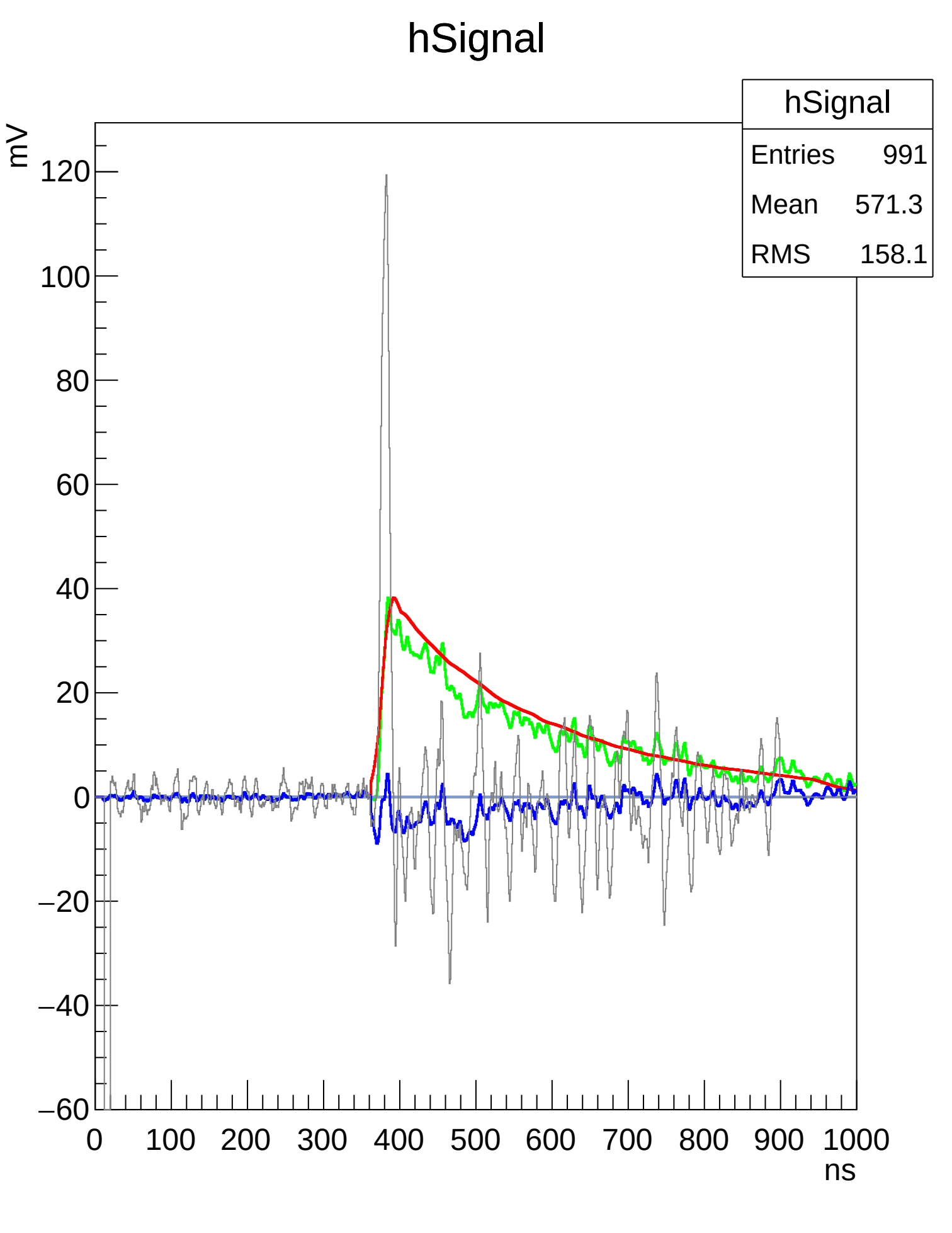

hSignal
hSignal
Entries 991
Mean 539.2
RMS 168.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

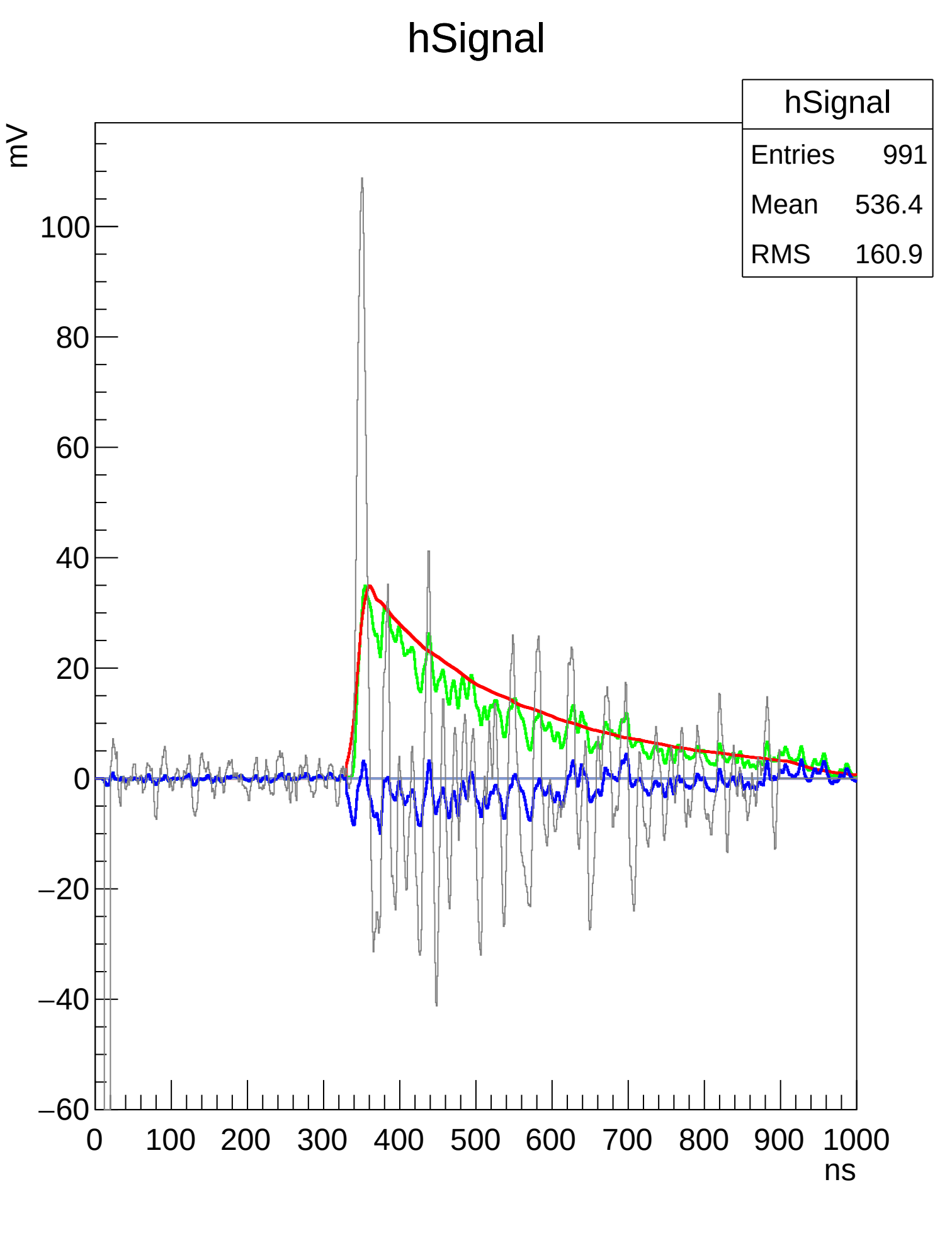

hSignal
hSignal
Entries 991
Mean 499.3
RMS 181.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

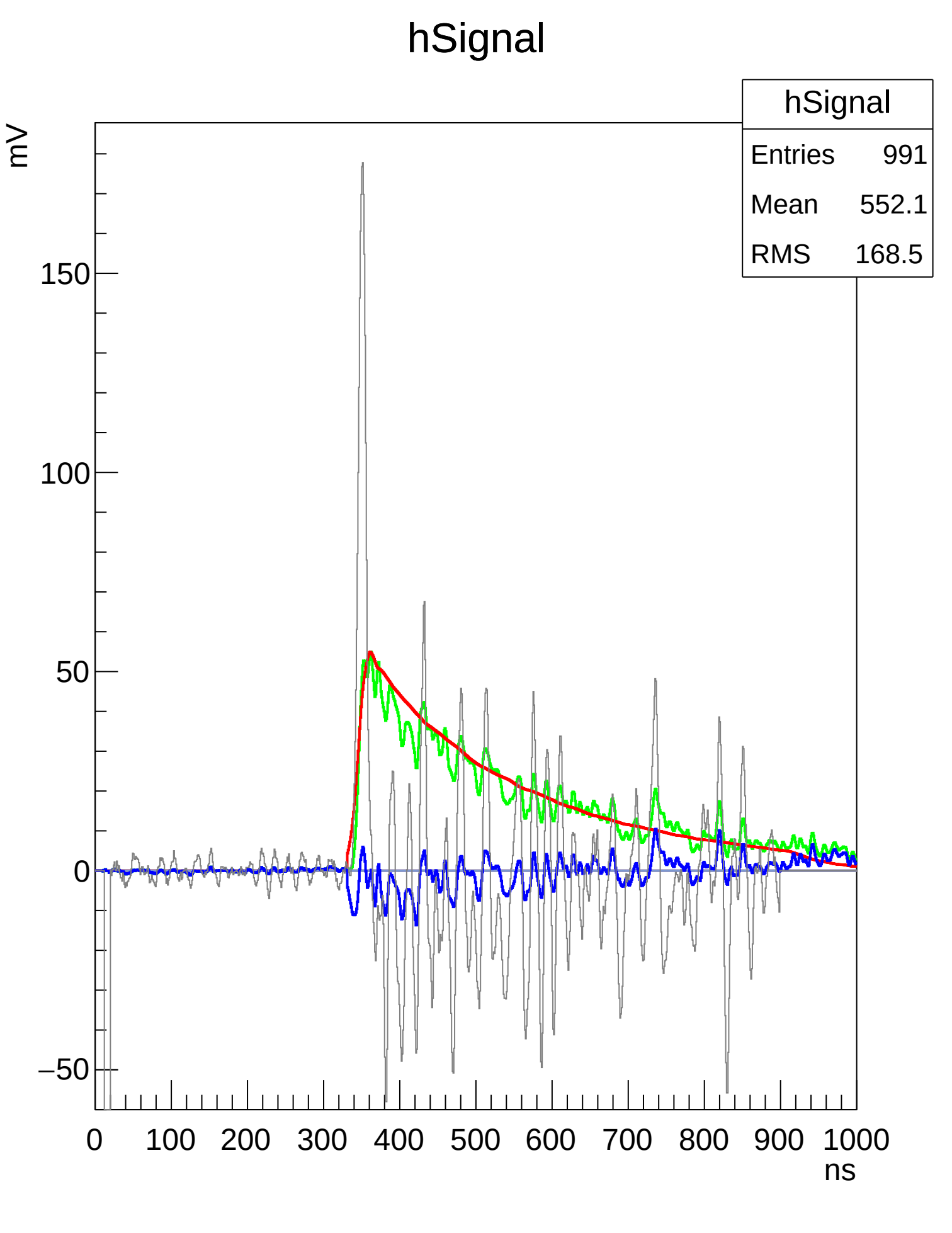

hSignal
hSignal
Entries 991
Mean 480.2
RMS 181.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

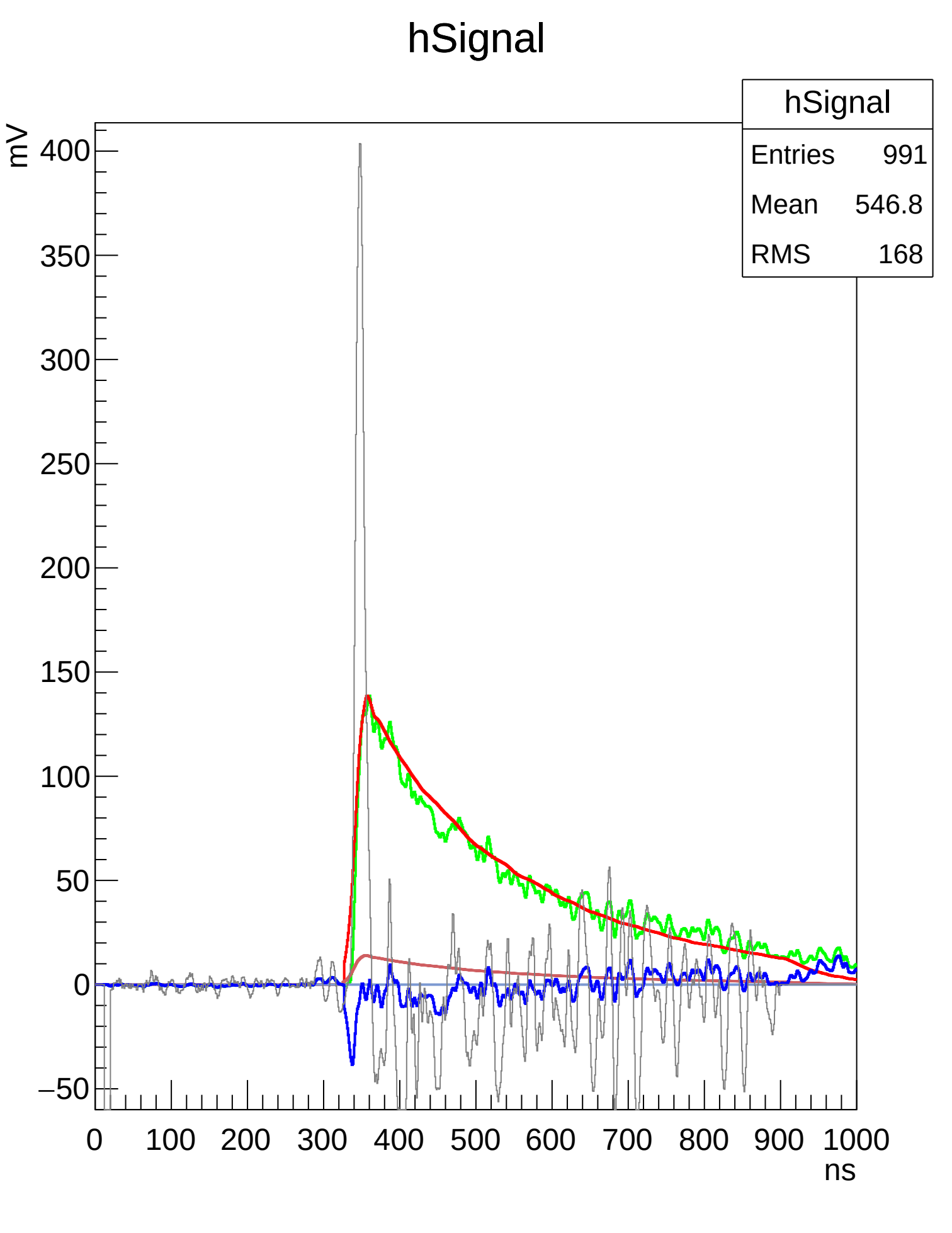

hSignal
hSignal
Entries 991
Mean 478.2
RMS 170.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

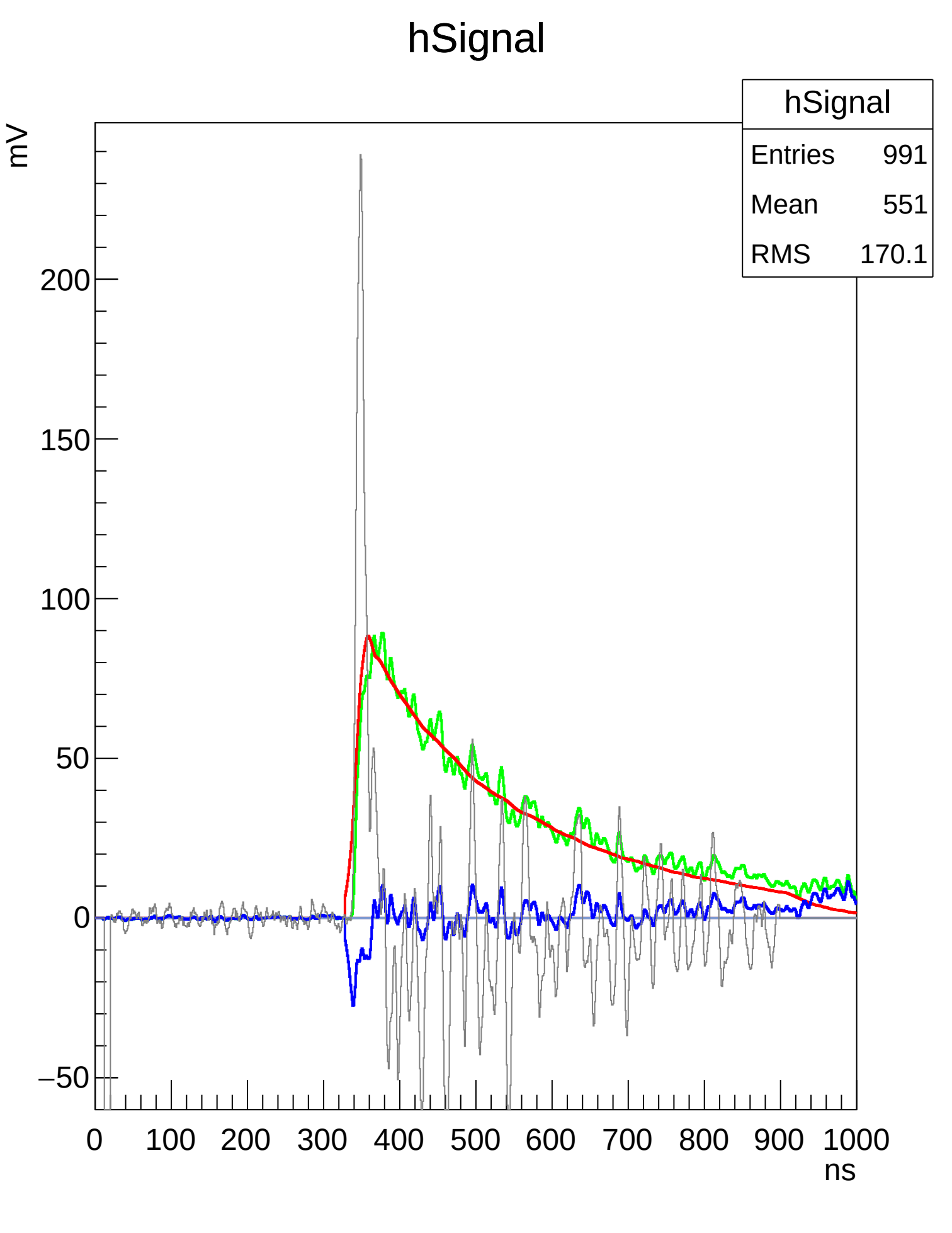

hSignal
hSignal
Entries 991
Mean 491.3
RMS 177.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

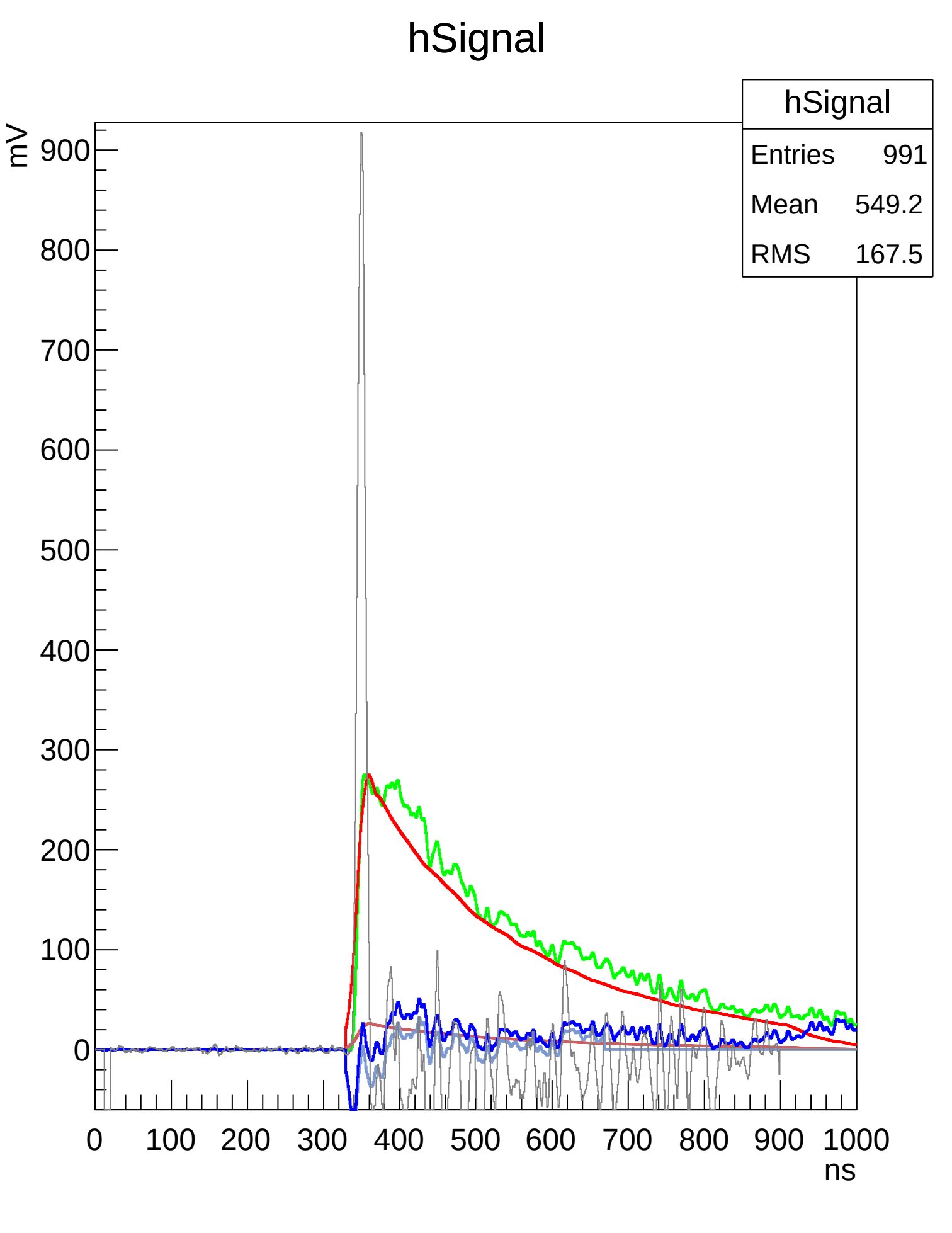

hSignal
hSignal
Entries 991
Mean 571.3
RMS 158.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

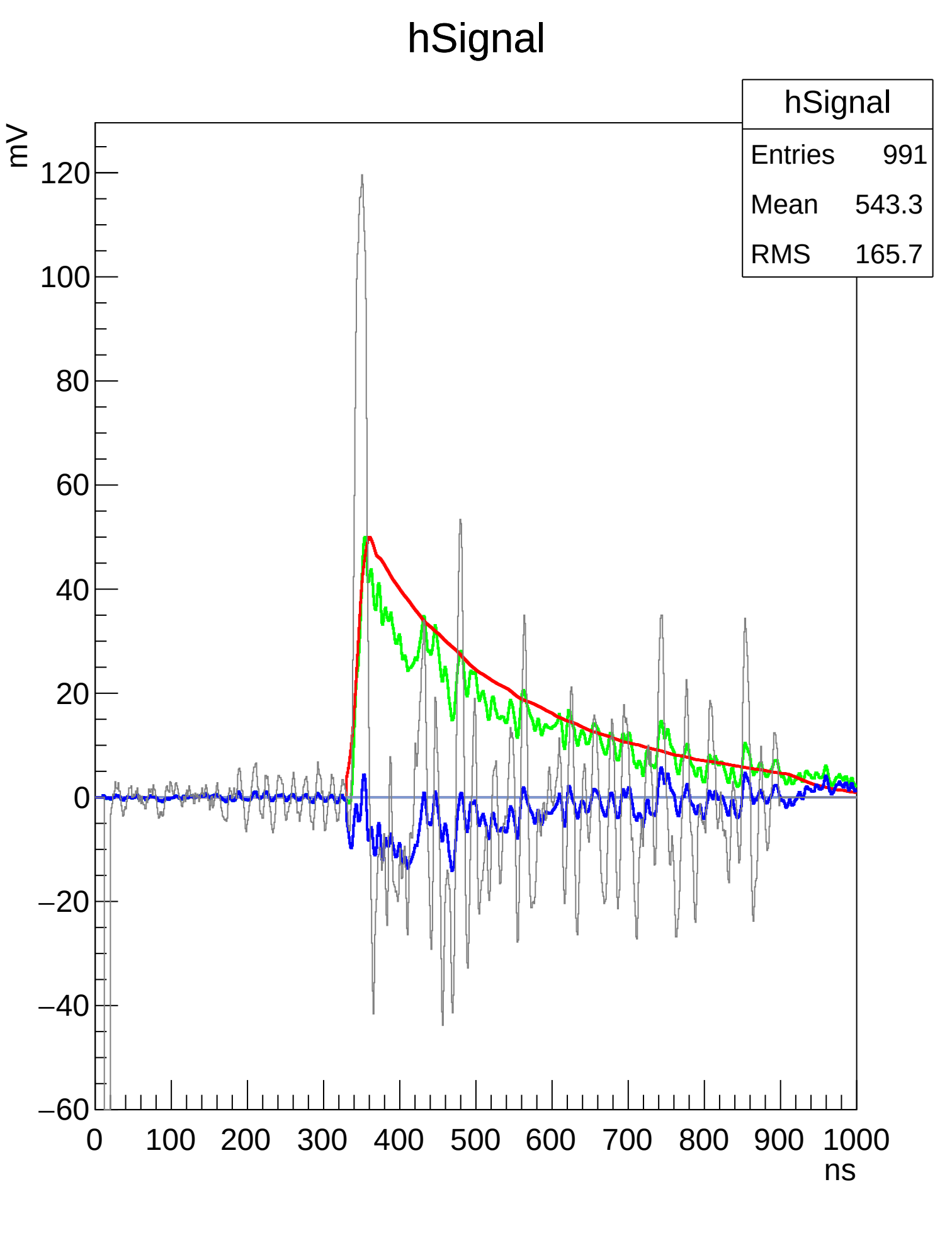

hSignal
hSignal
Entries 991
Mean 536.4
RMS 160.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

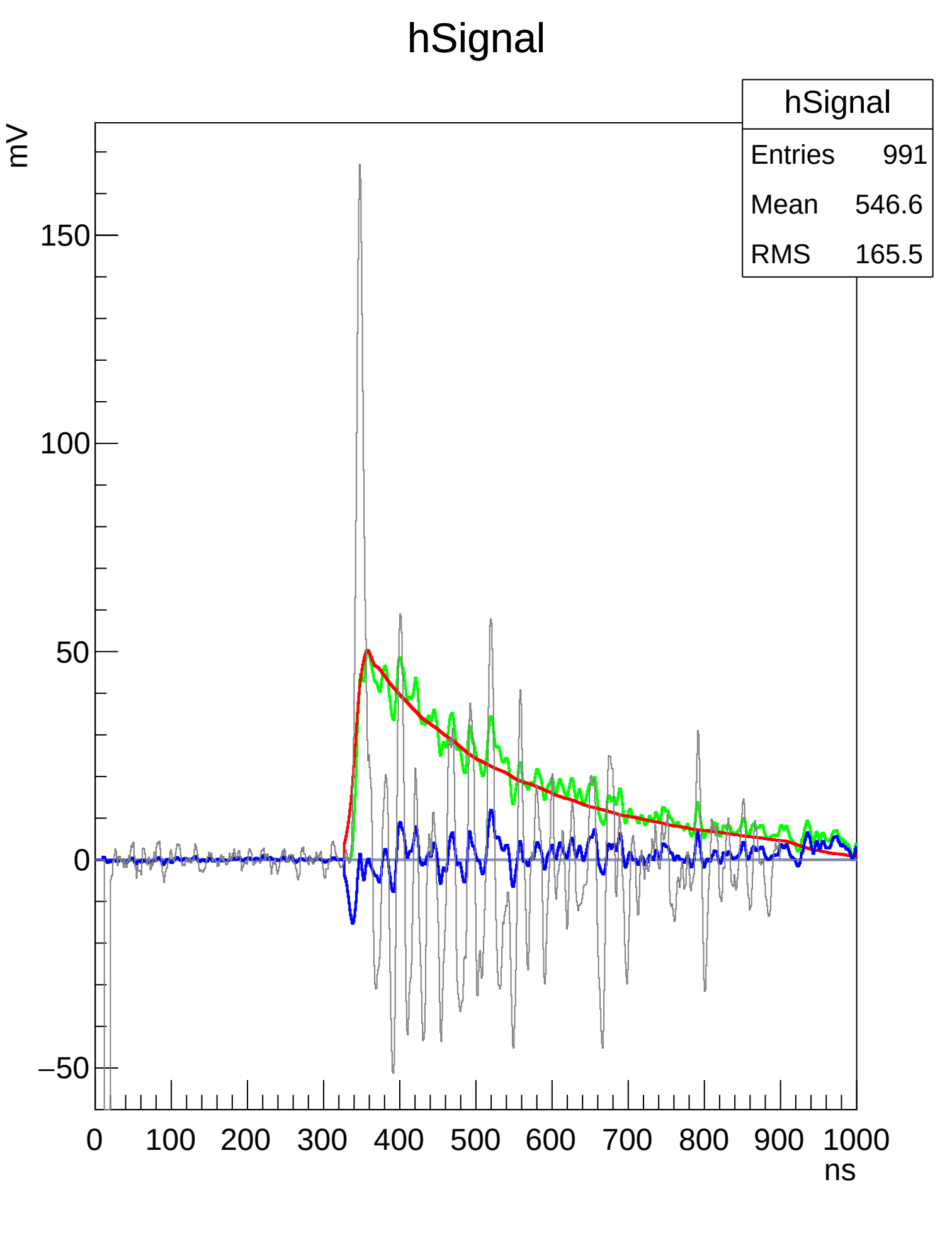

hSignal
hSignal
Entries 991
Mean 552.1
RMS 168.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

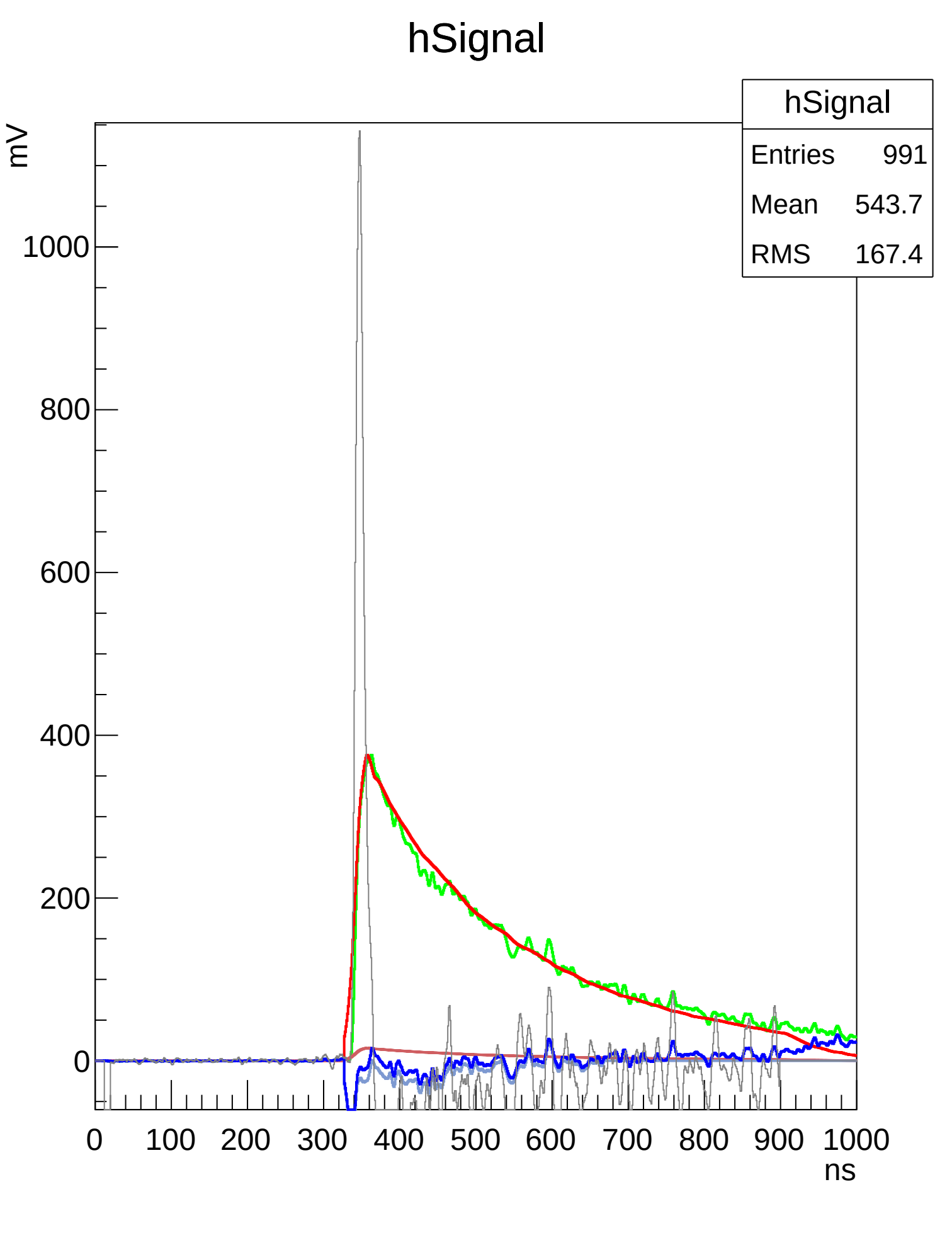

hSignal
hSignal
Entries 991
Mean 546.8
RMS 168
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

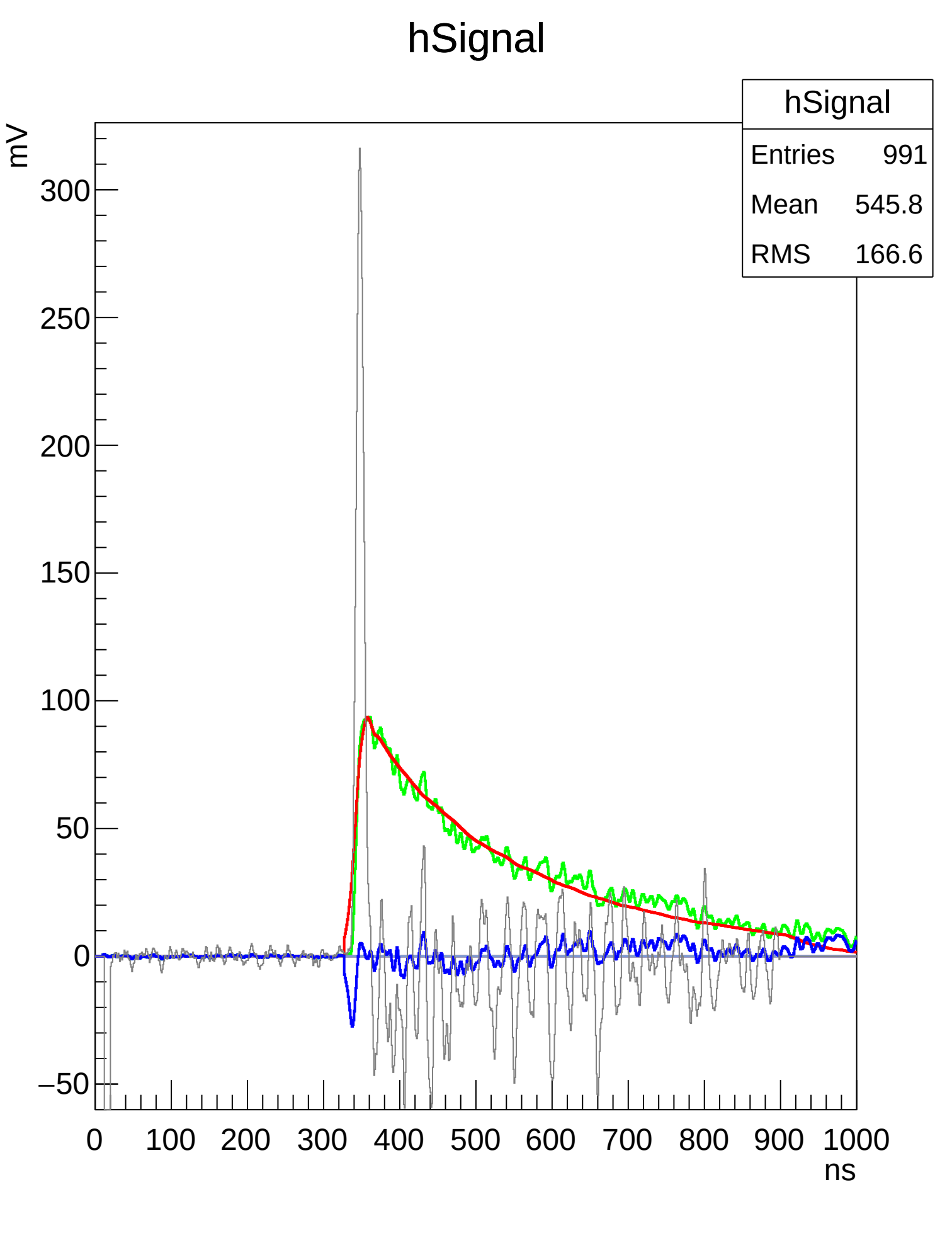

hSignal
hSignal
Entries 991
Mean 551
RMS 170.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

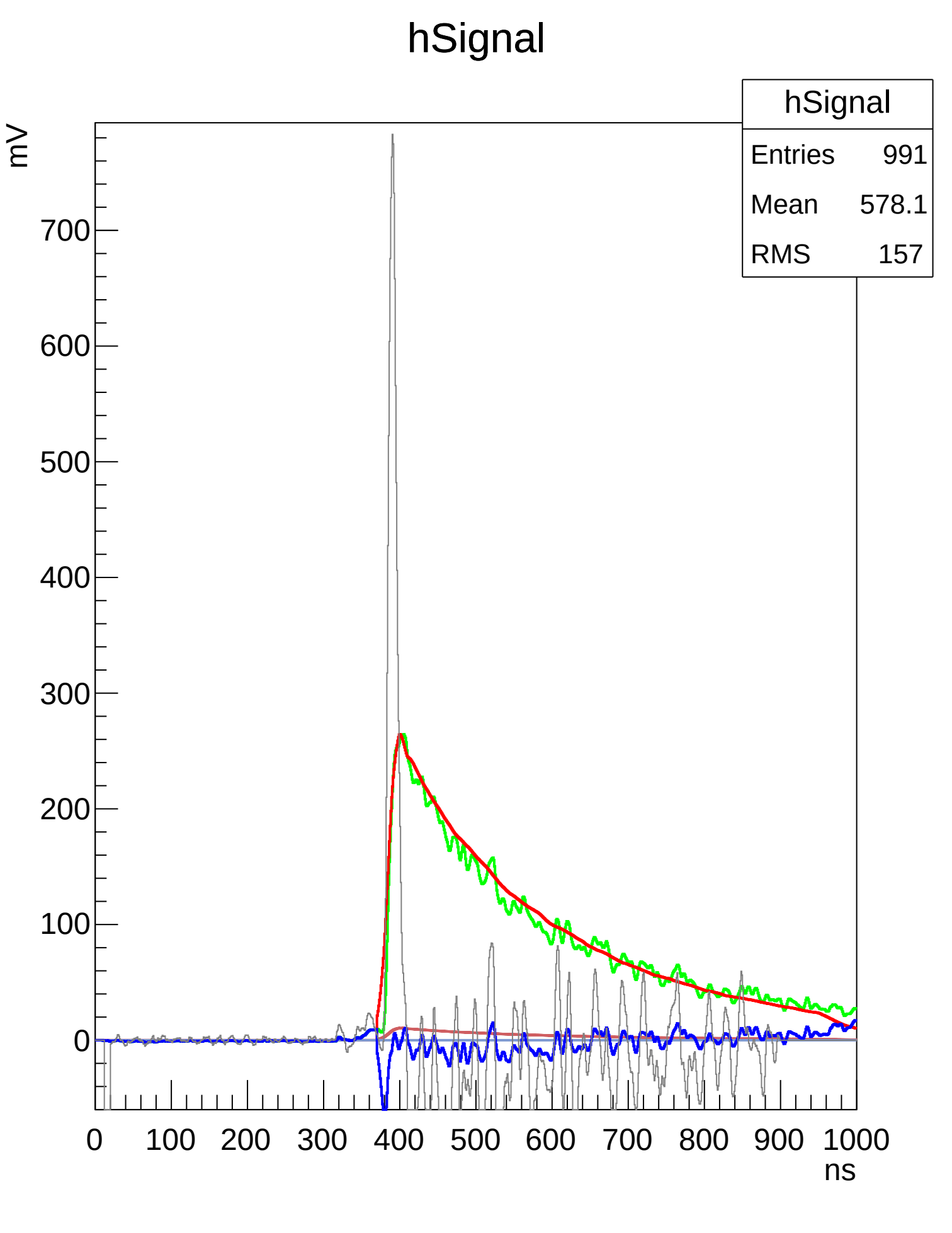

hSignal
hSignal
Entries 991
Mean 549.2
RMS 167.5
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

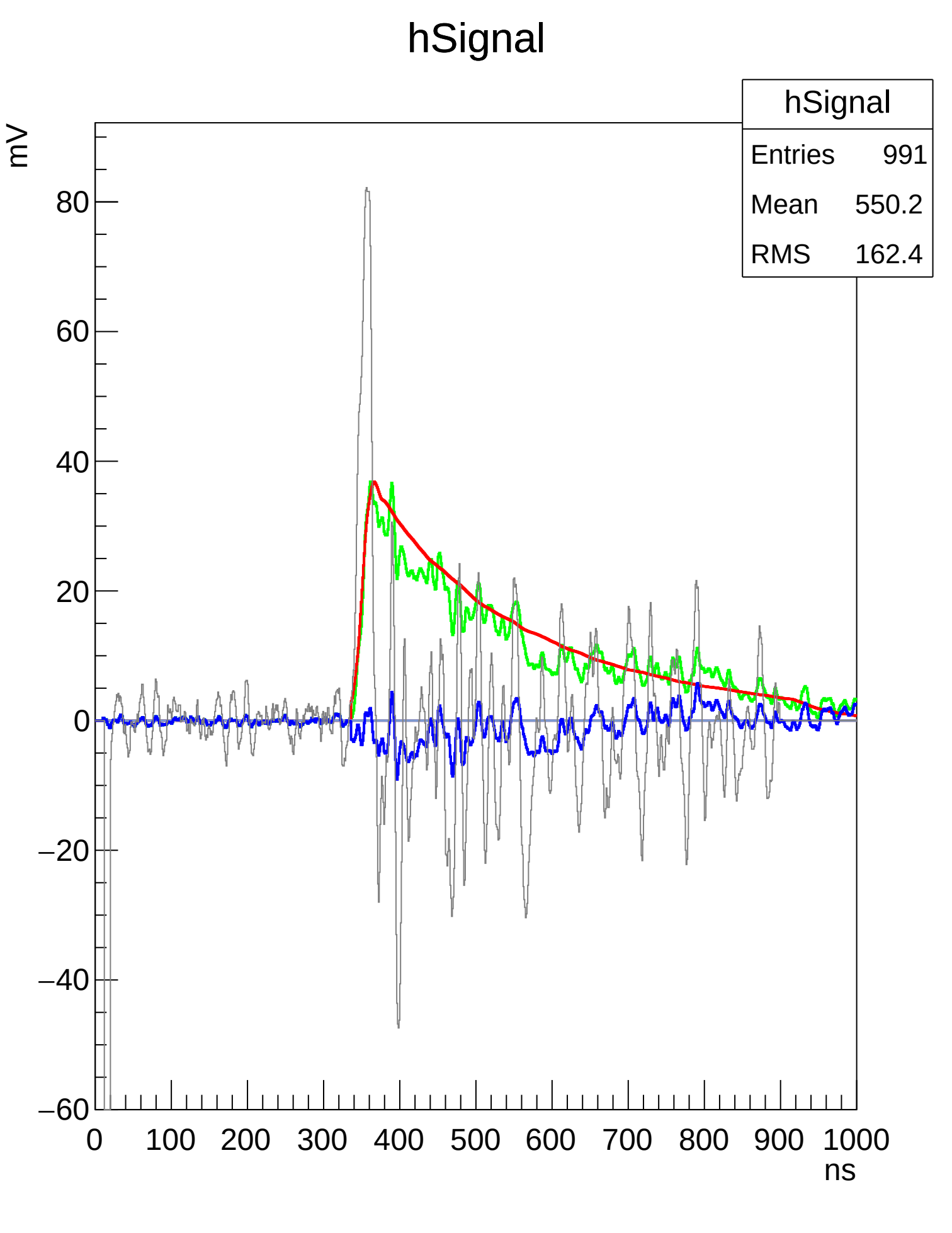

hSignal
hSignal
Entries 991
Mean 543.3
RMS 165.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

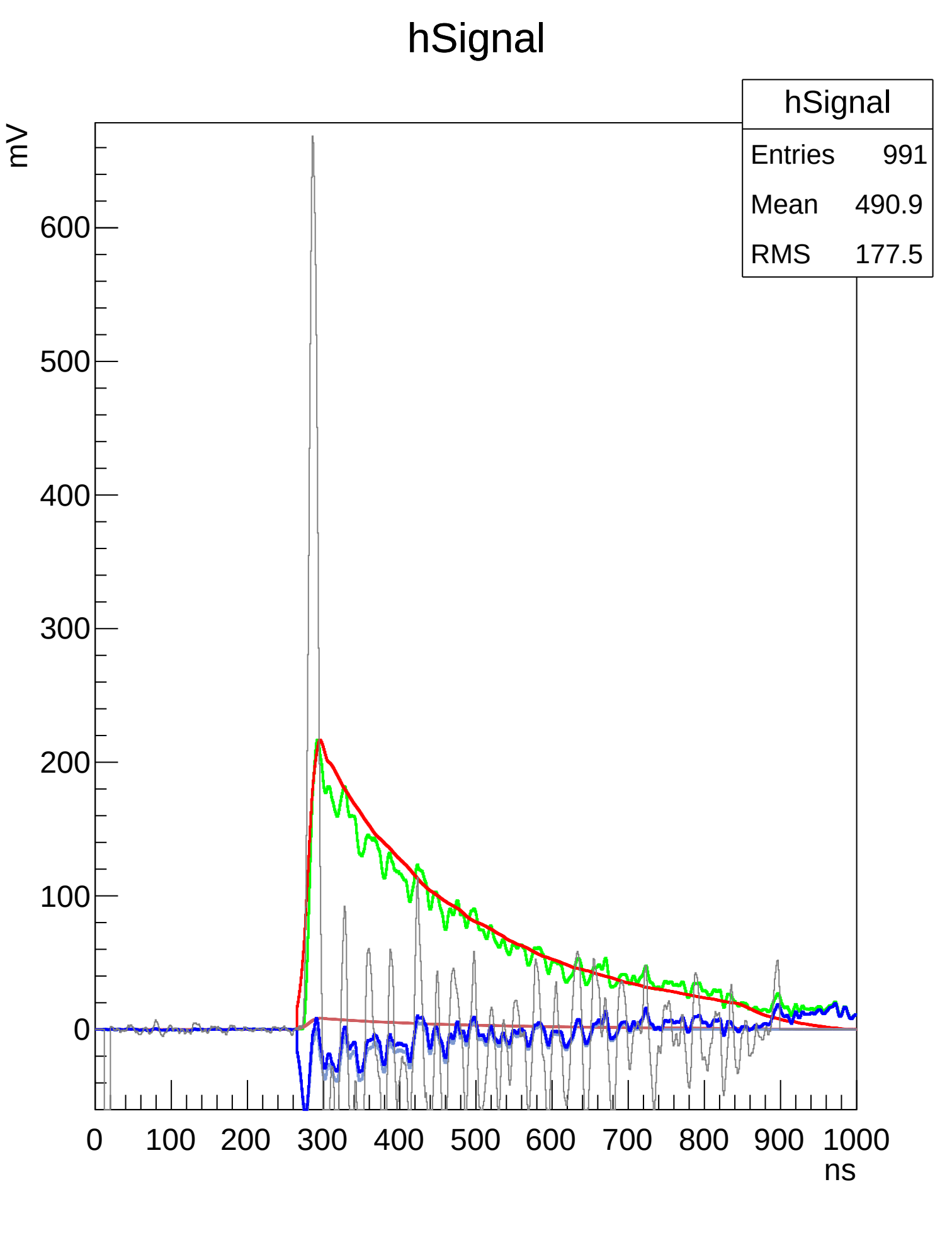

hSignal
hSignal
Entries 991
Mean 546.6
RMS 165.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

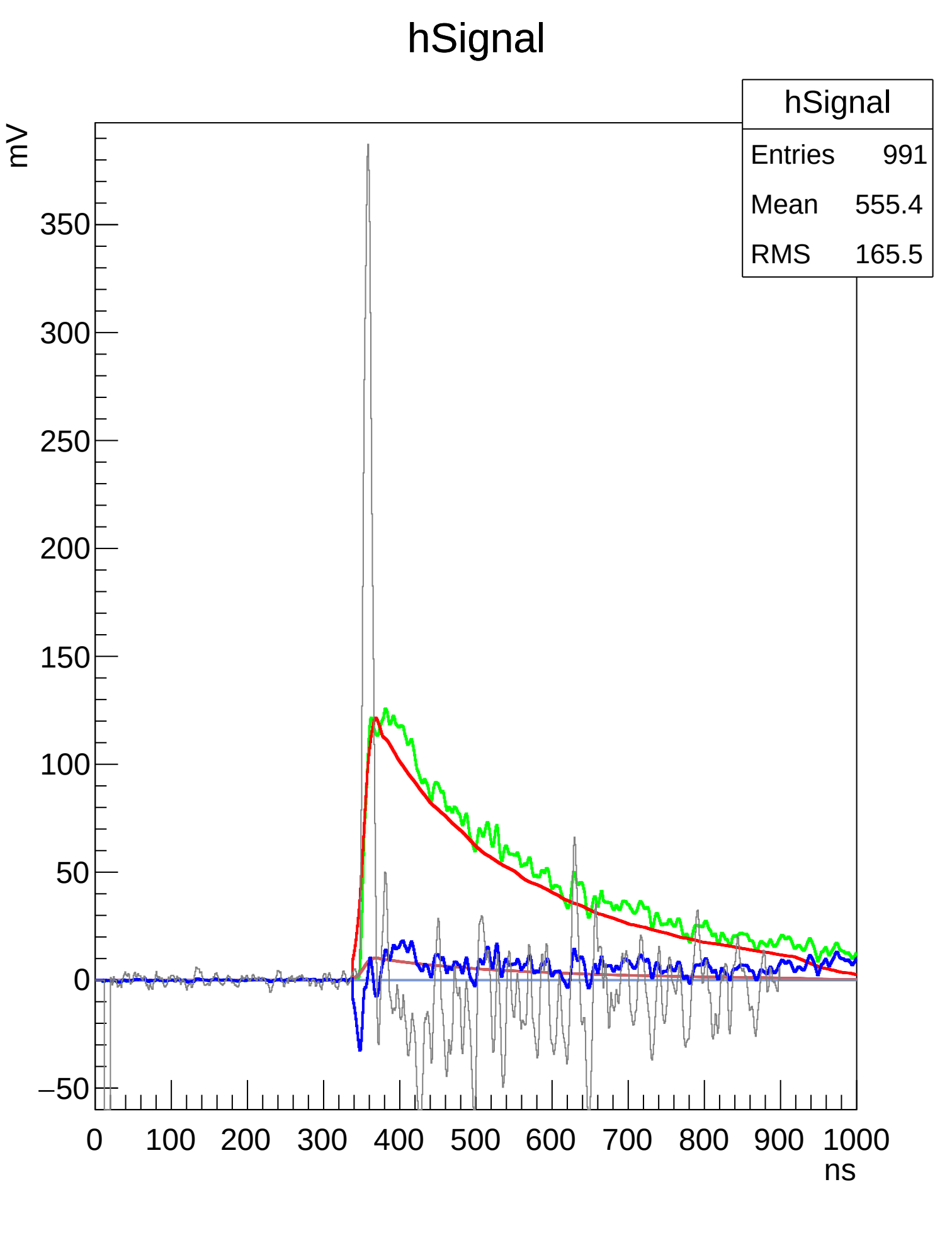

hSignal
hSignal
Entries 991
Mean 543.7
RMS 167.4
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

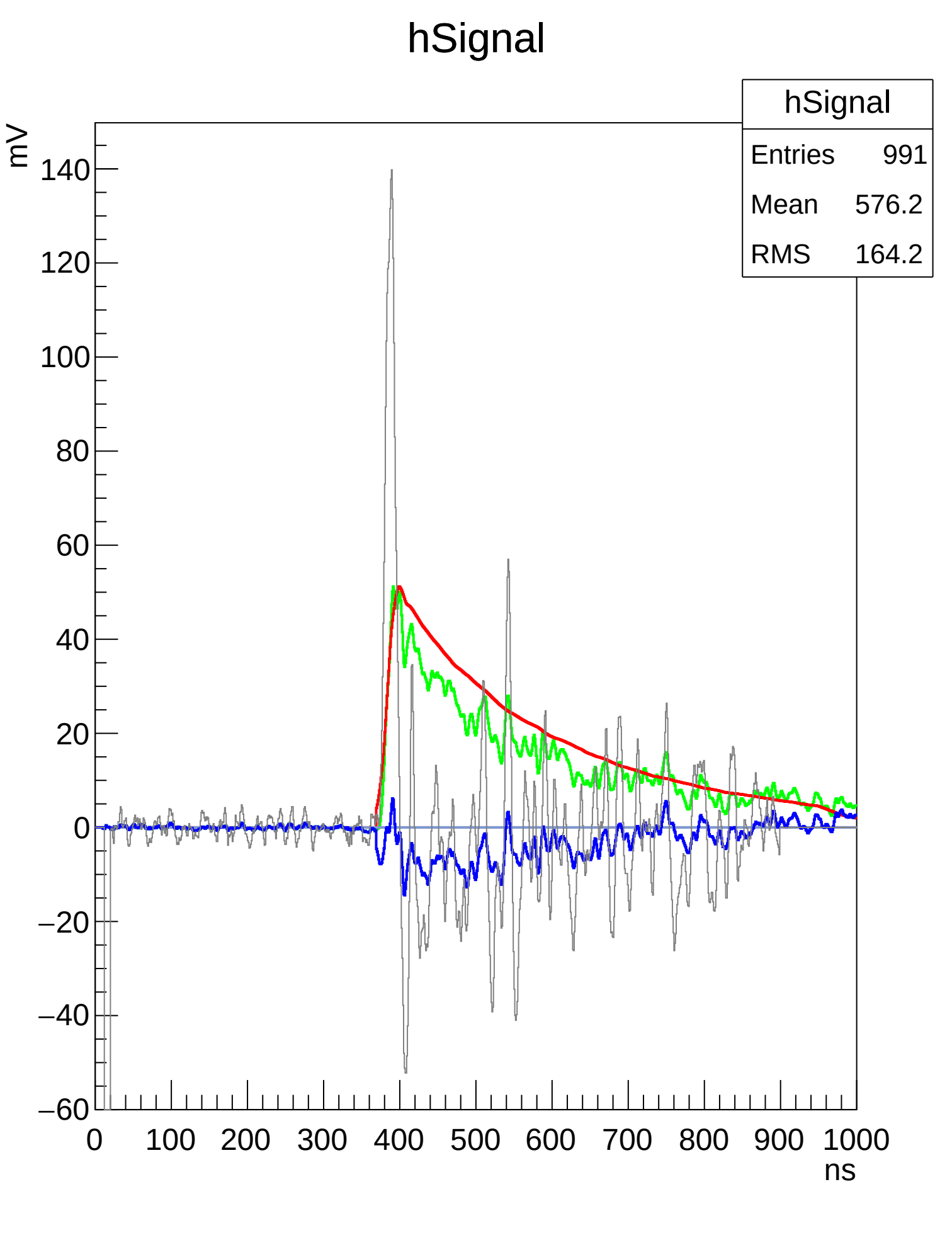

hSignal
hSignal
Entries 991
Mean 545.8
RMS 166.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

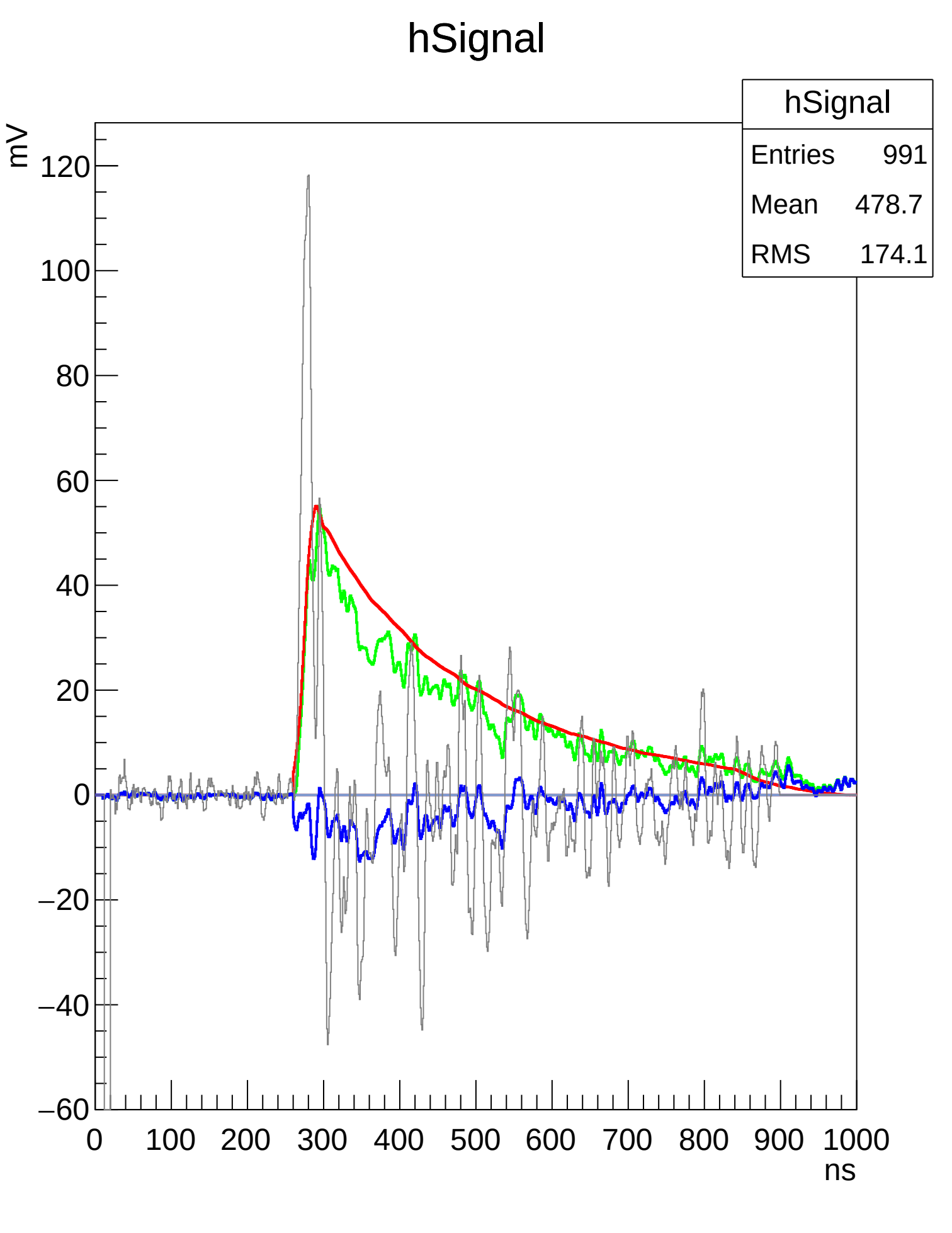

hSignal
hSignal
Entries 991
Mean 578.1
RMS 157
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

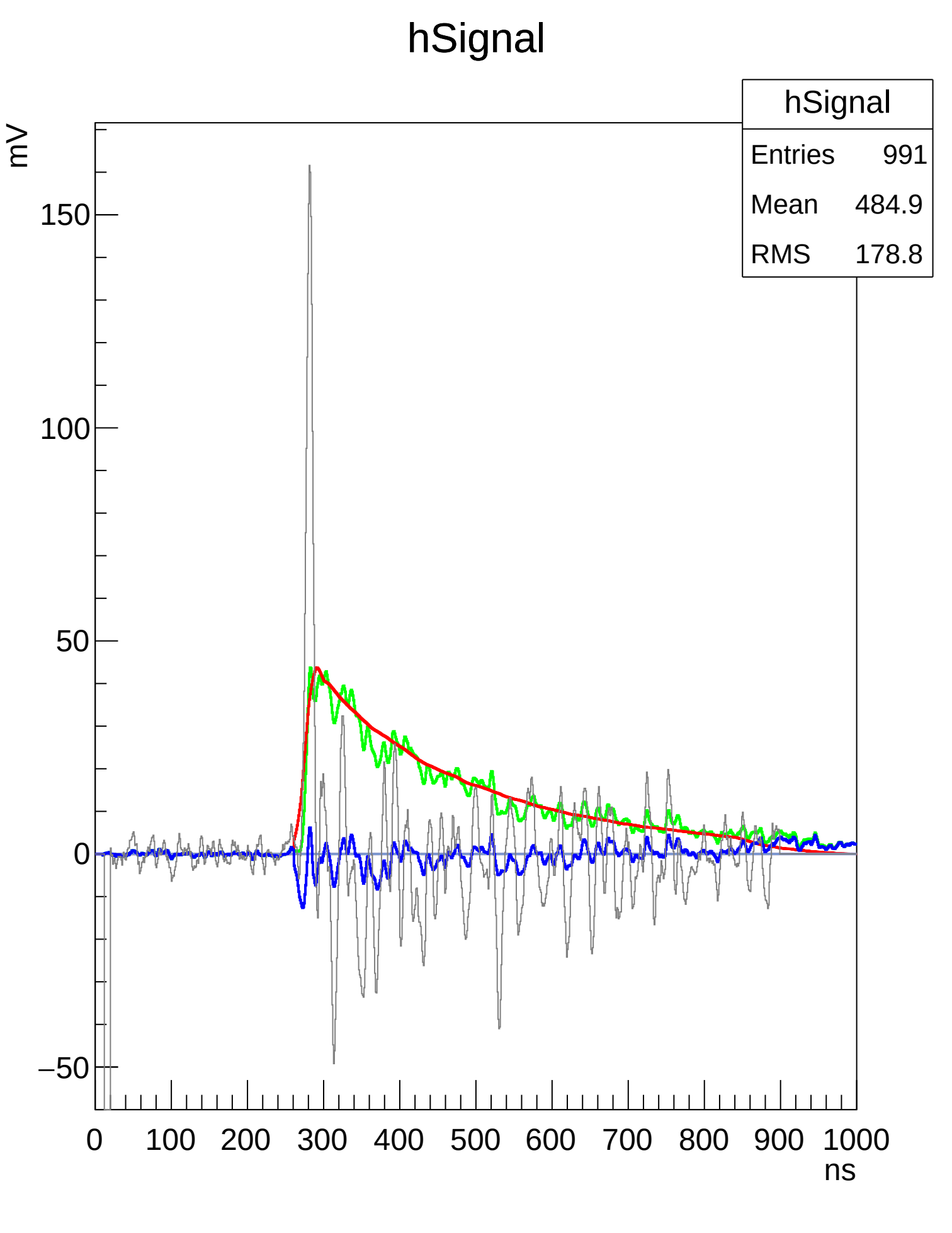

hSignal
hSignal
Entries 991
Mean 550.2
RMS 162.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

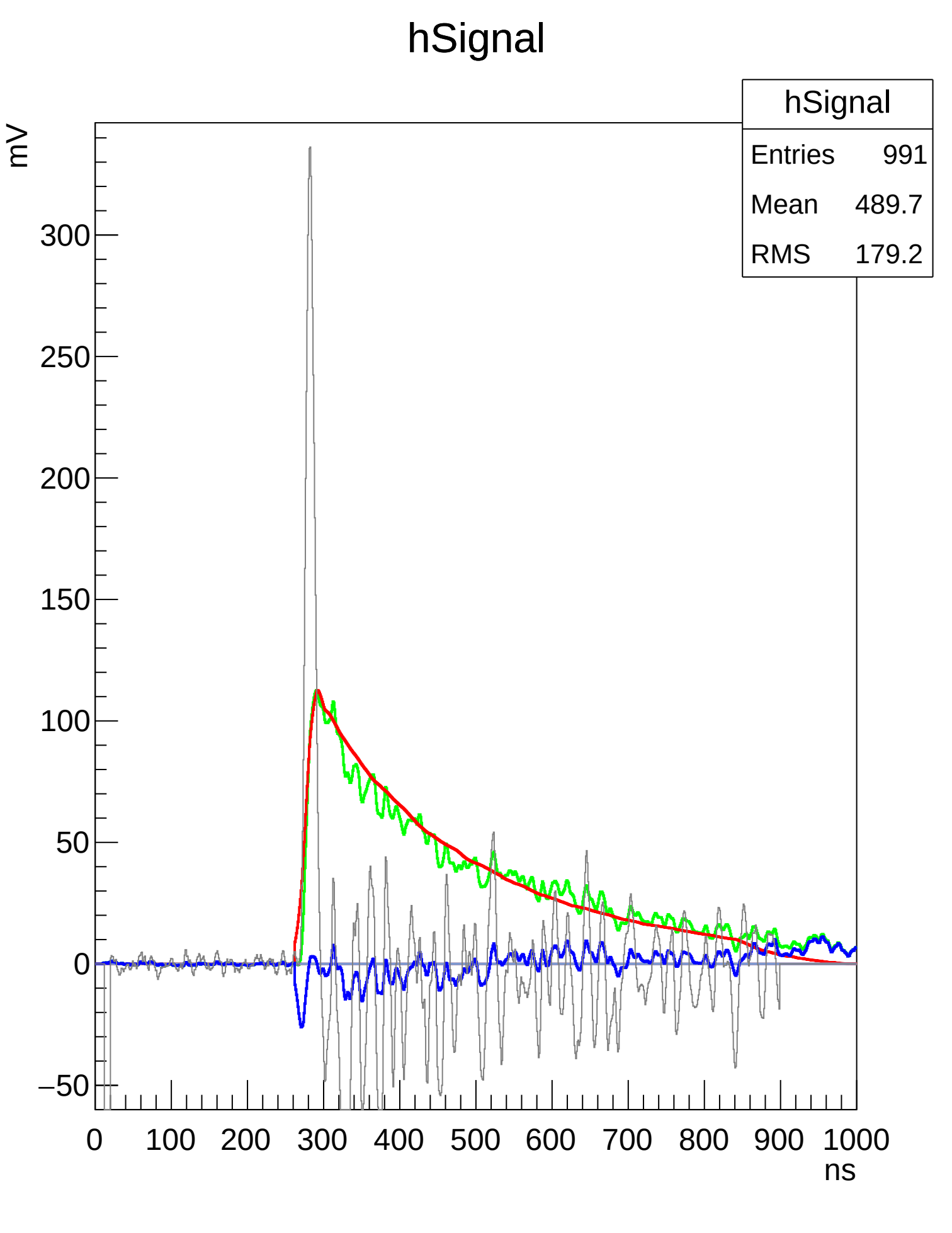

hSignal
hSignal
Entries 991
Mean 490.9
RMS 177.5
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

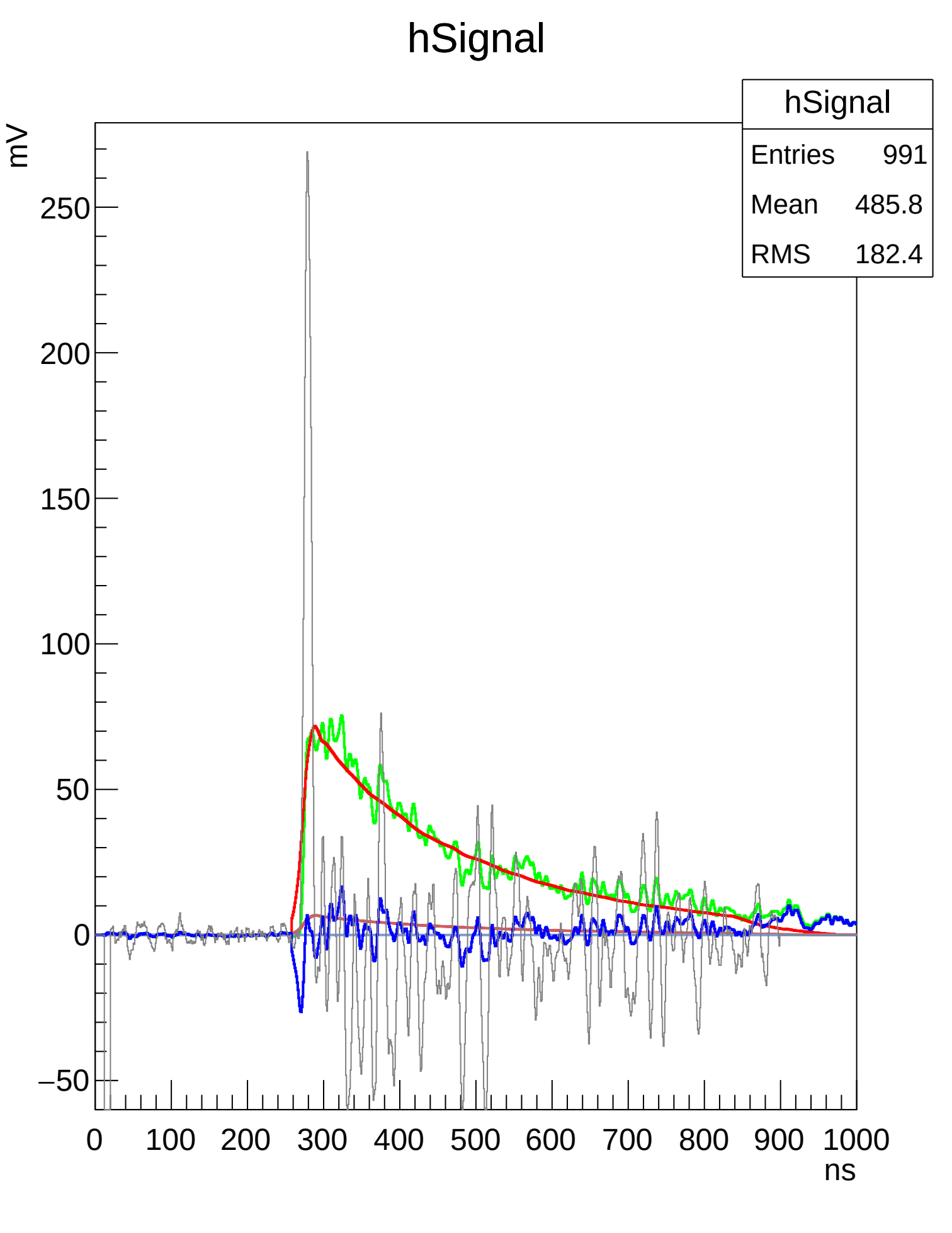

hSignal
hSignal
Entries 991
Mean 555.4
RMS 165.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

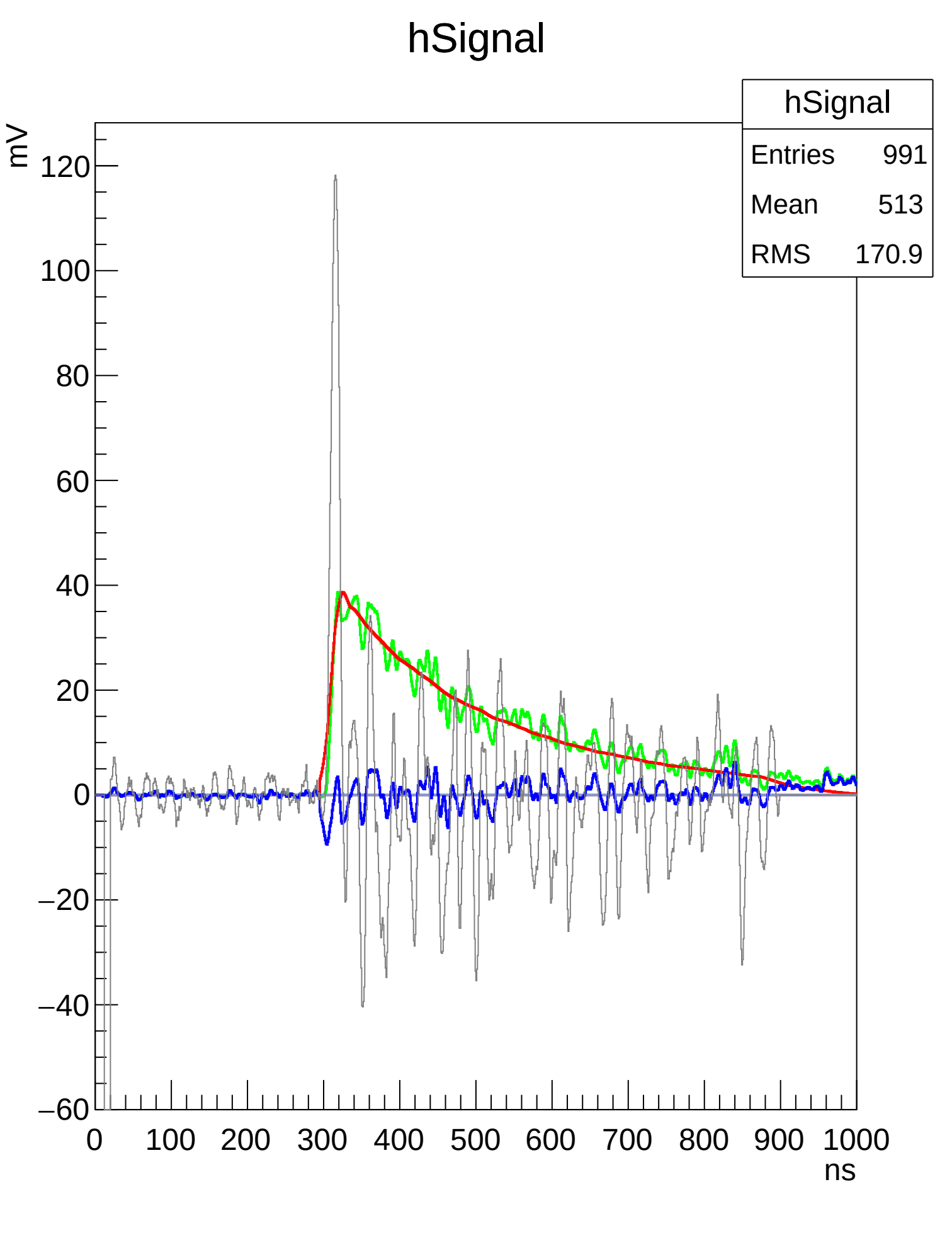

hSignal
hSignal
Entries 991
Mean 576.2
RMS 164.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

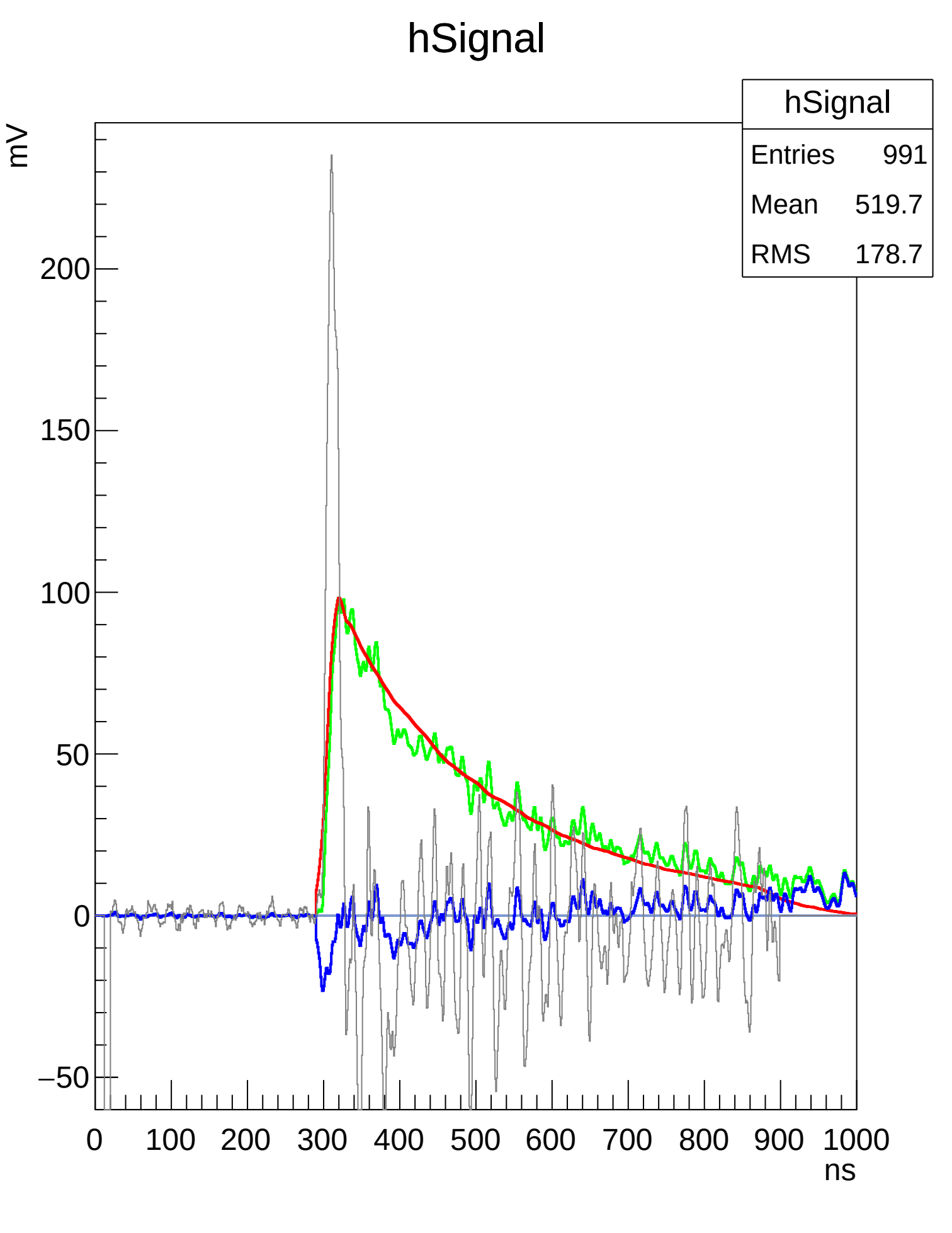

hSignal
hSignal
Entries 991
Mean 478.7
RMS 174.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

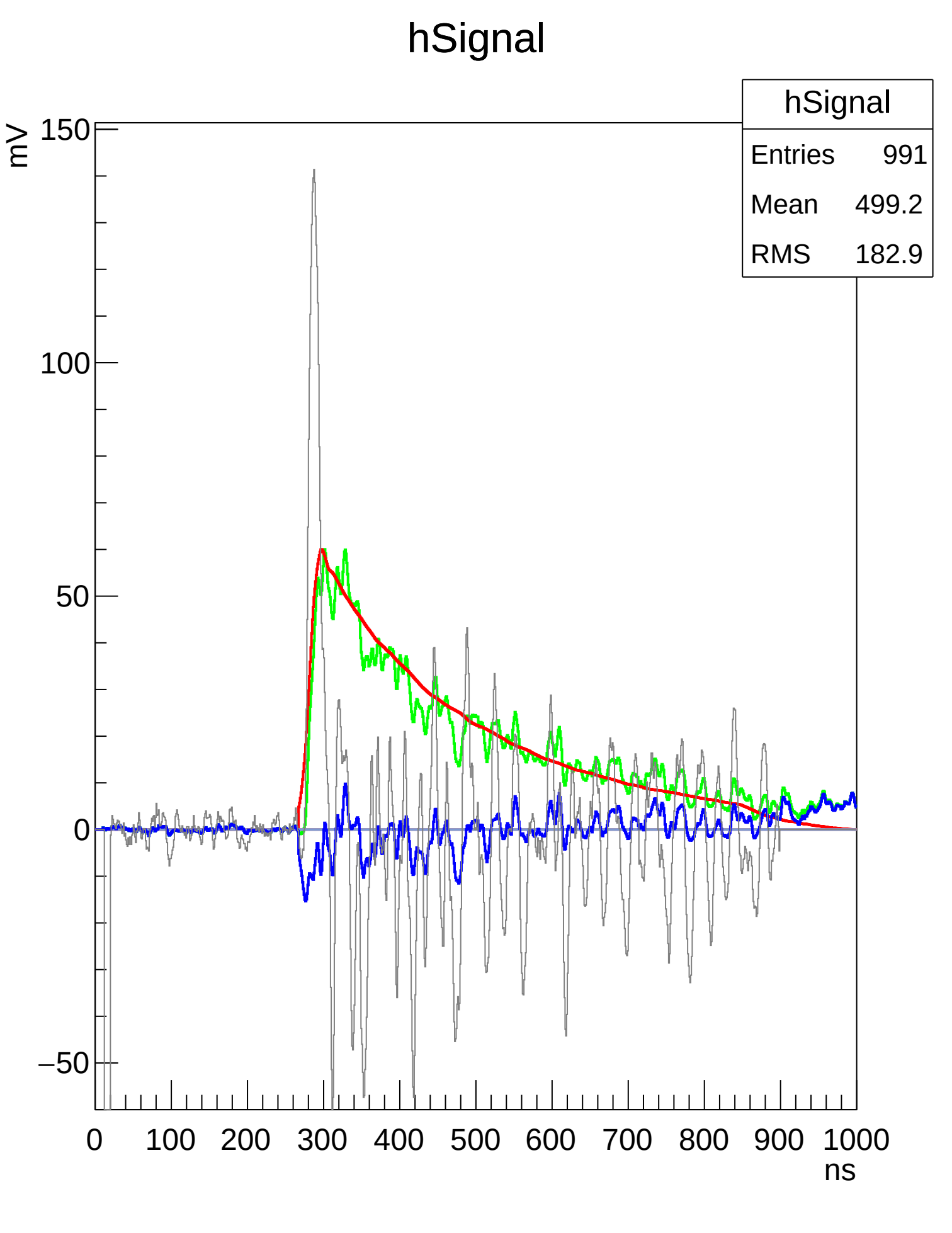

hSignal
hSignal
Entries 991
Mean 484.9
RMS 178.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

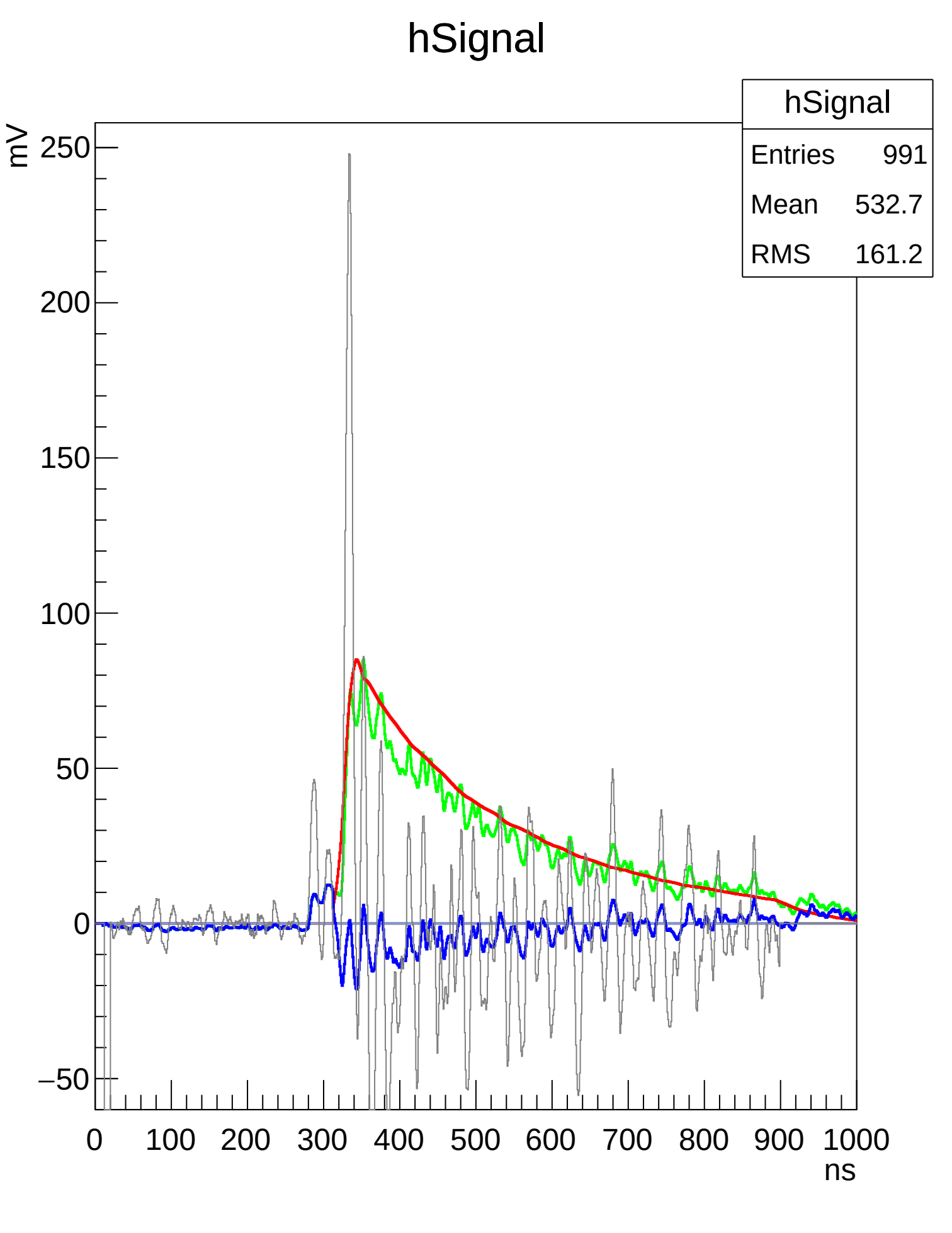

hSignal
hSignal
Entries 991
Mean 489.7
RMS 179.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

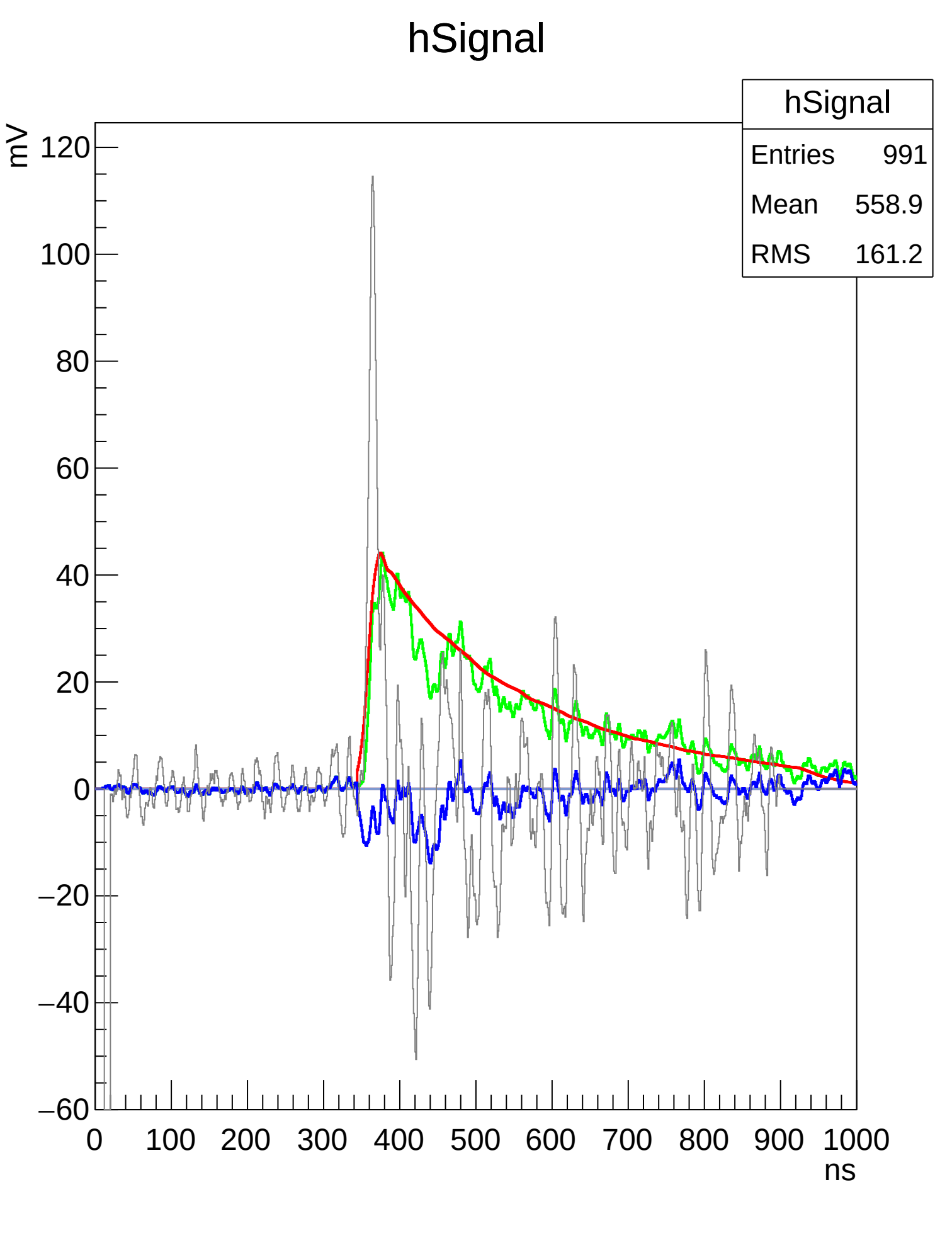

hSignal
hSignal
Entries 991
Mean 485.8
RMS 182.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

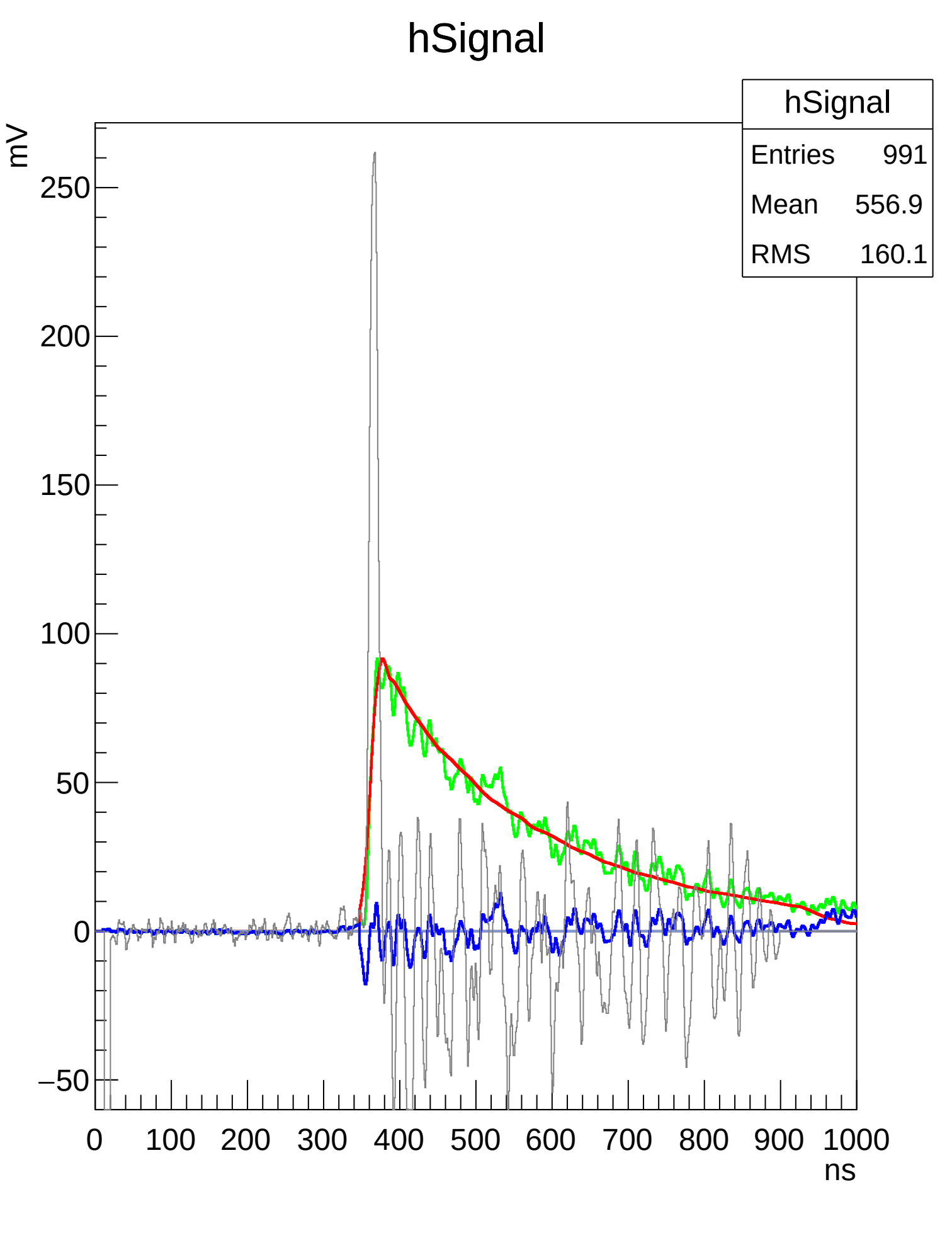

hSignal
hSignal
Entries 991
Mean 513
RMS 170.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

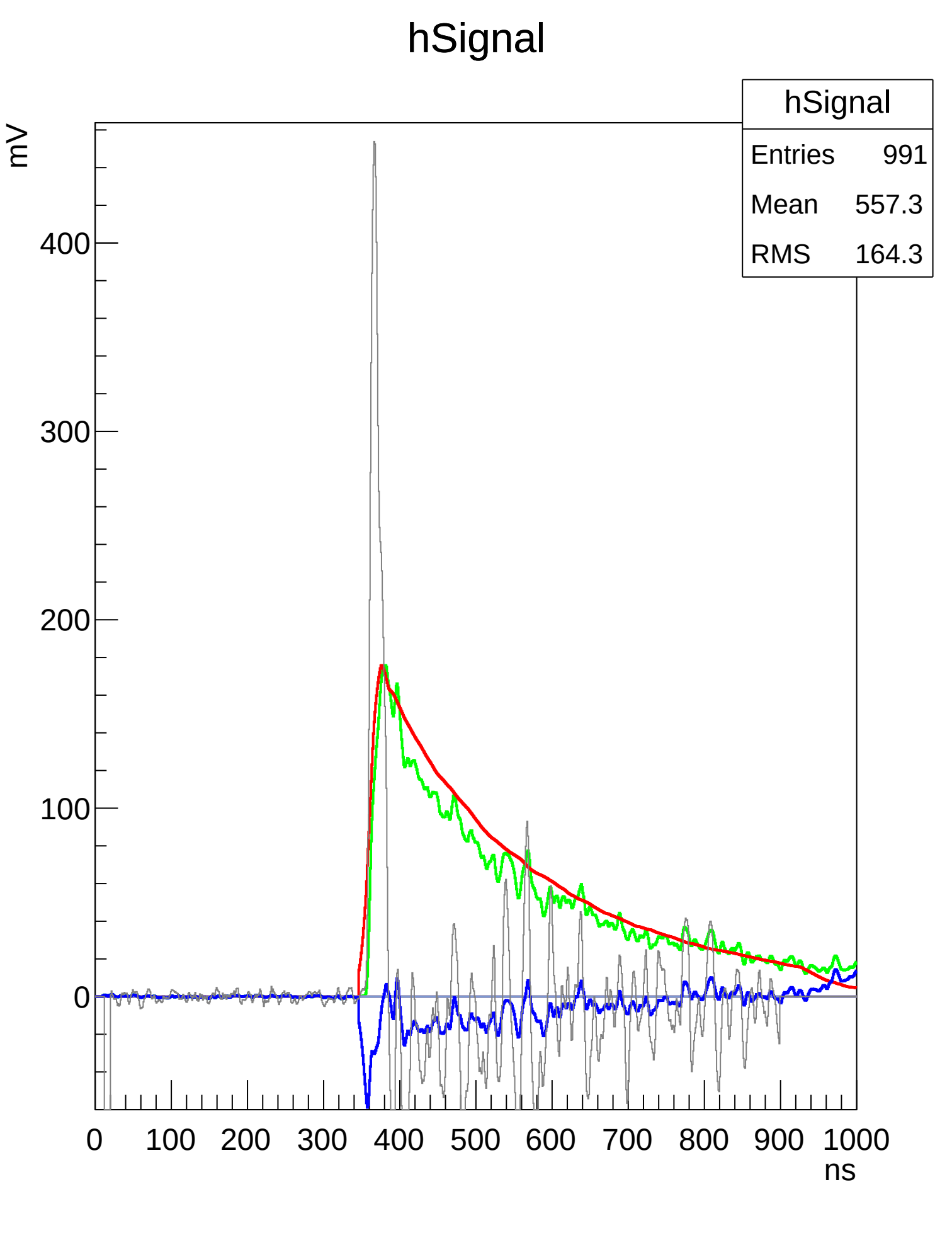

hSignal
hSignal
Entries 991
Mean 519.7
RMS 178.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

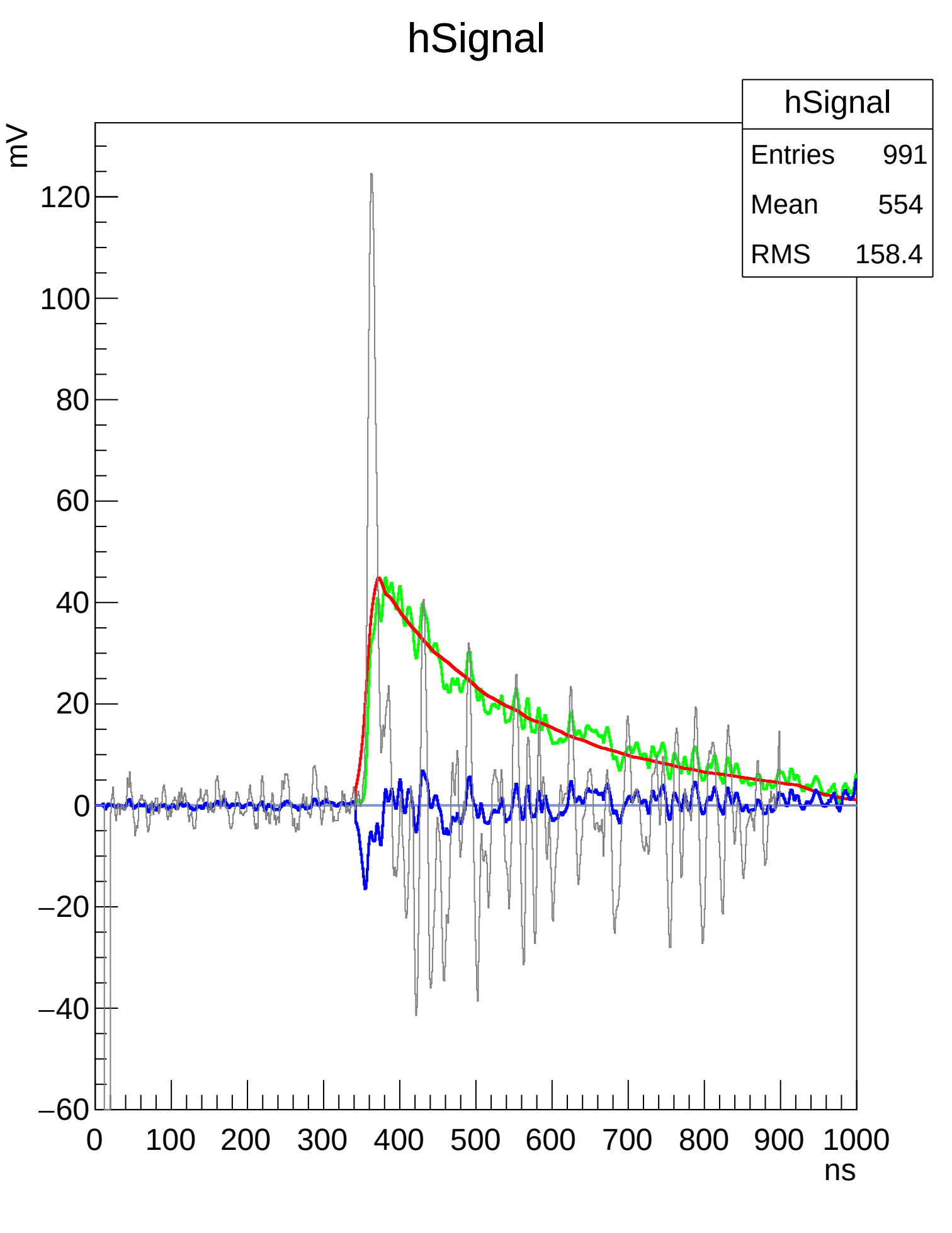

hSignal
hSignal
Entries 991
Mean 499.2
RMS 182.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

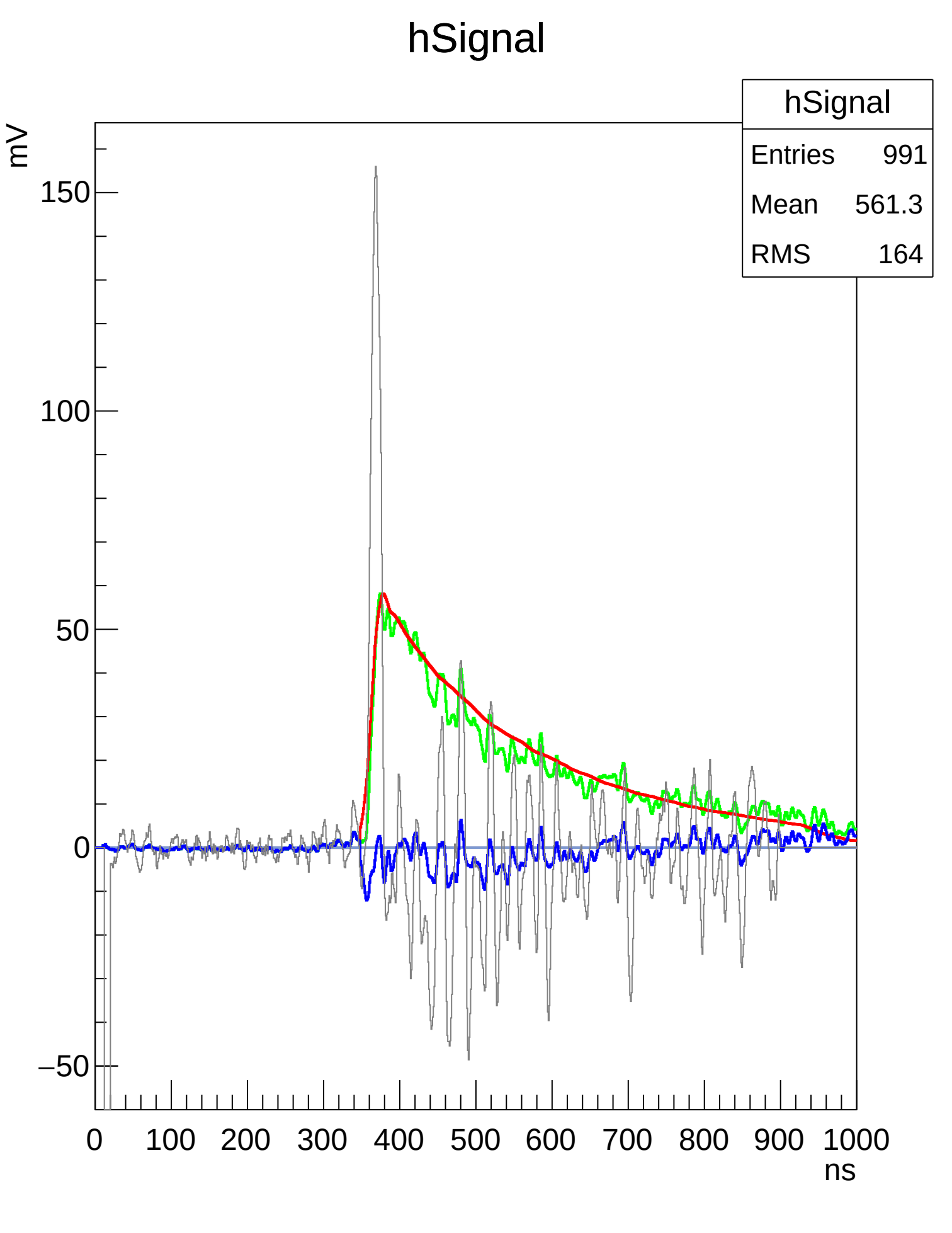

hSignal
hSignal
Entries 991
Mean 532.7
RMS 161.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

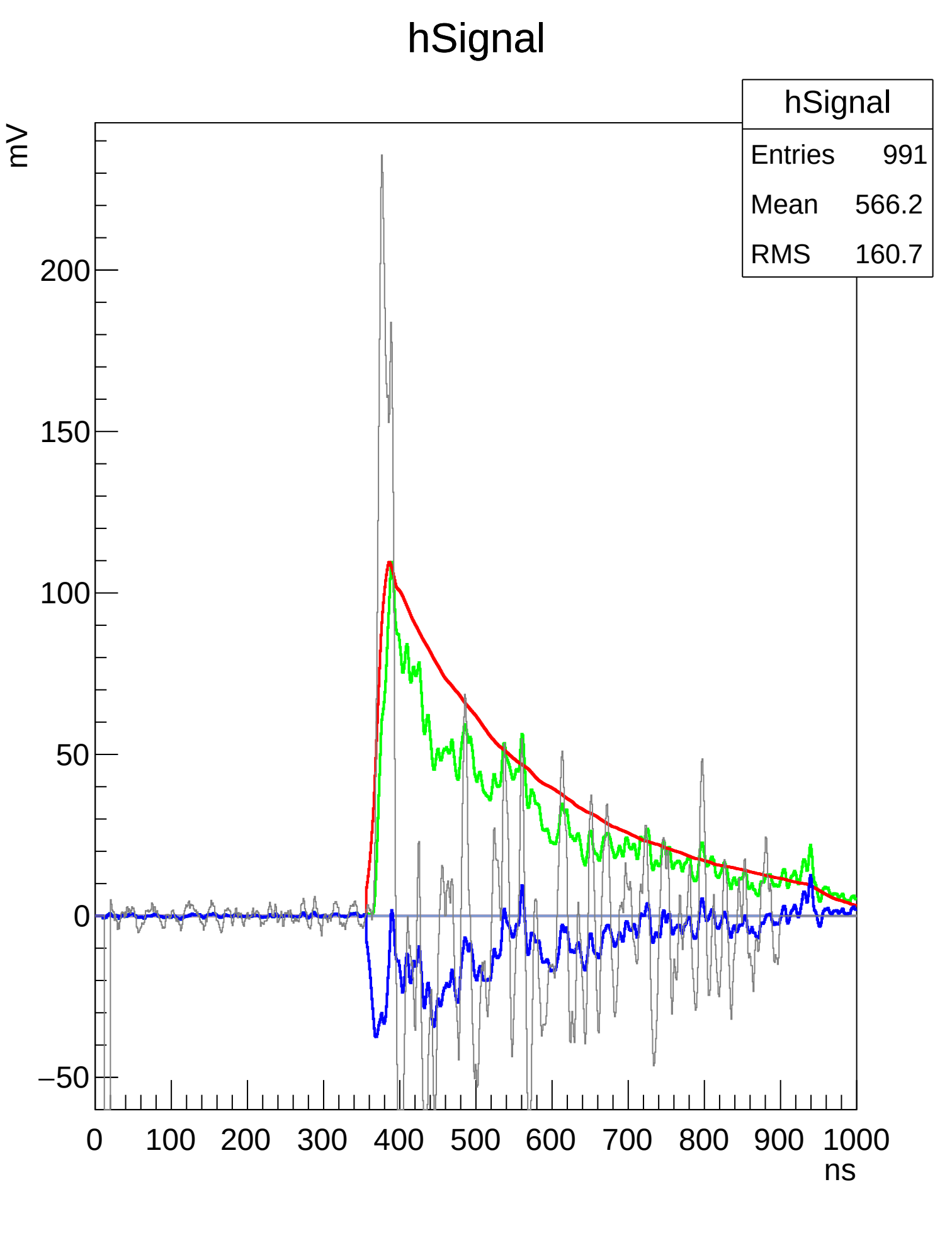

hSignal
hSignal
Entries 991
Mean 558.9
RMS 161.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

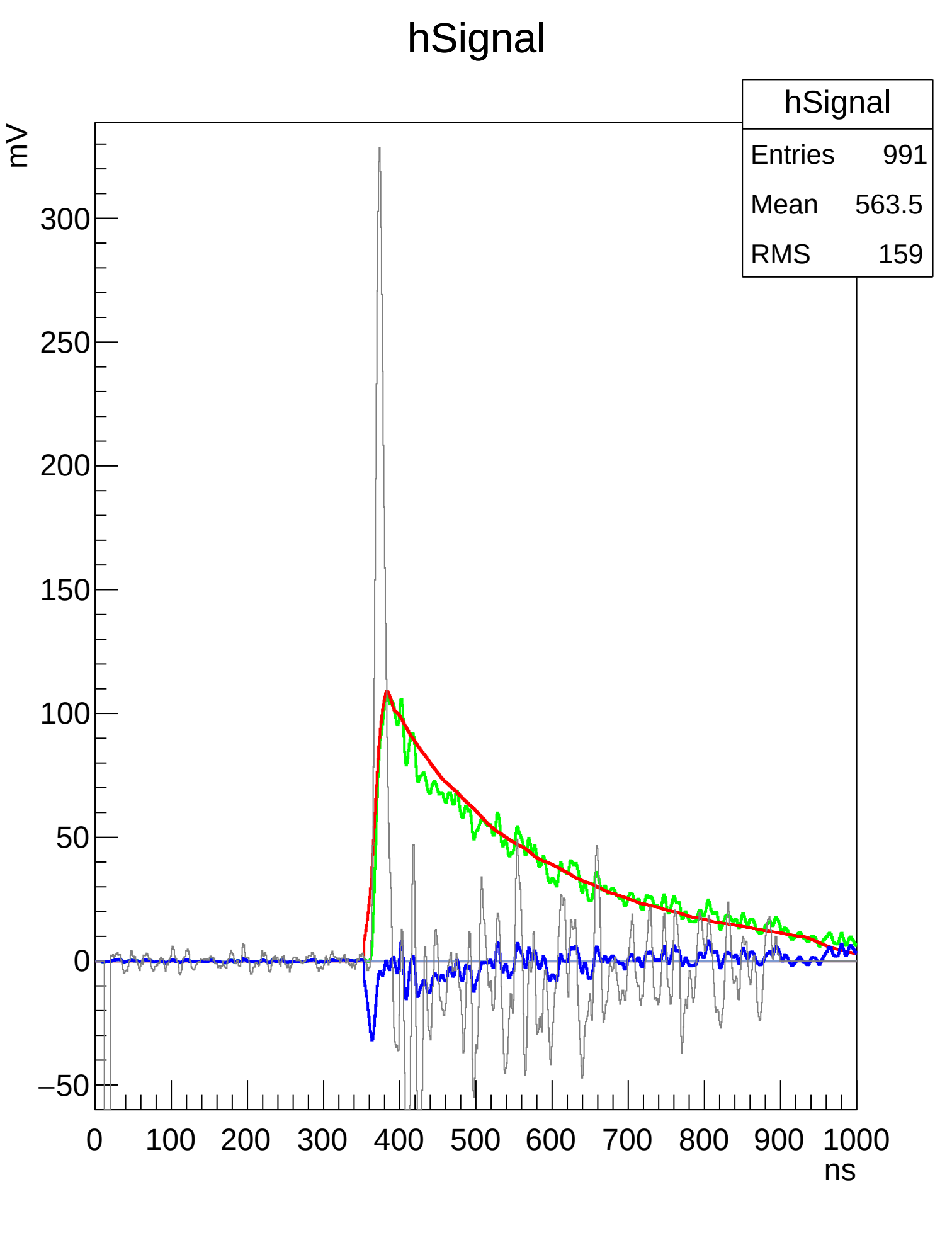

hSignal
hSignal
Entries 991
Mean 556.9
RMS 160.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

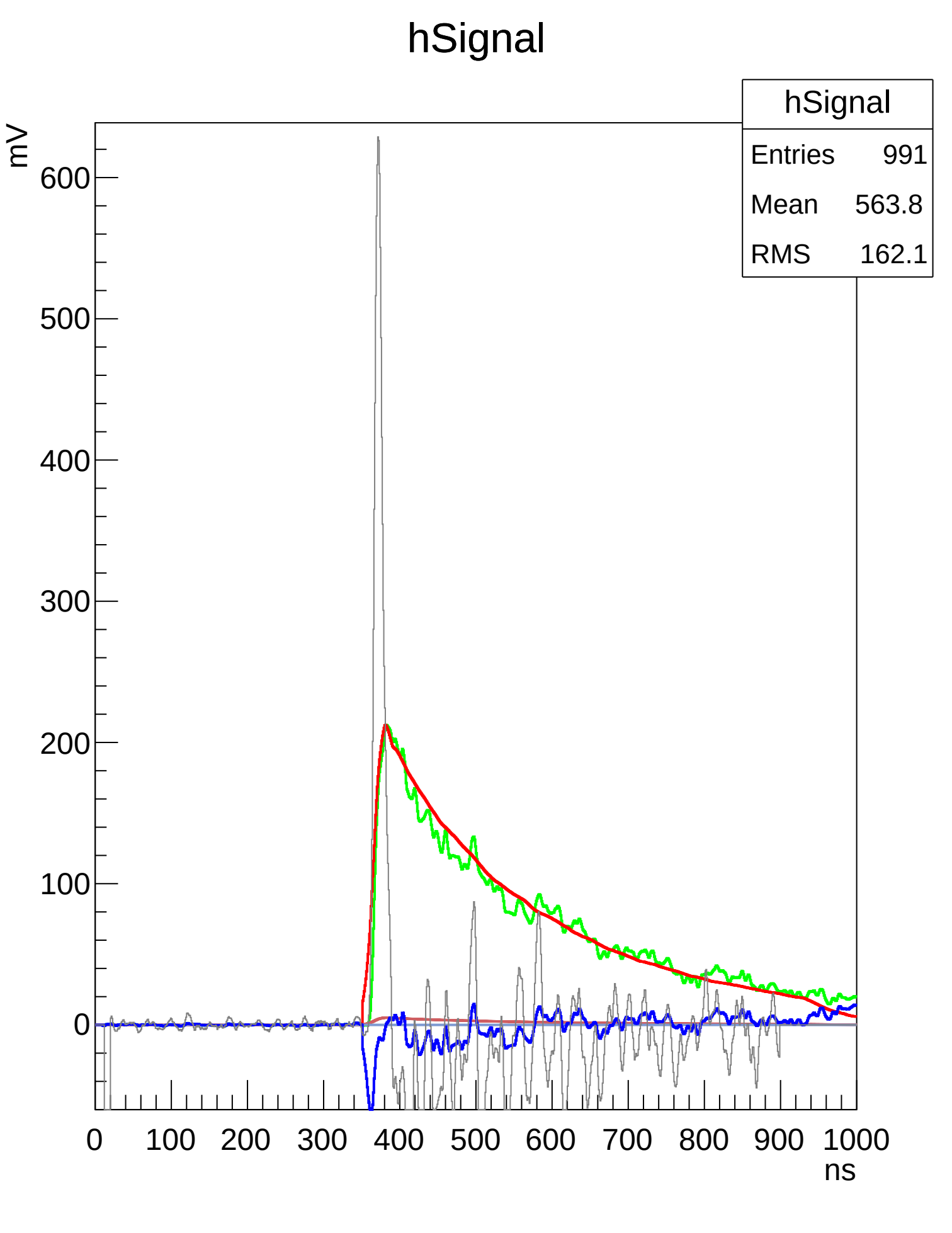

hSignal
hSignal
Entries 991
Mean 557.3
RMS 164.3
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

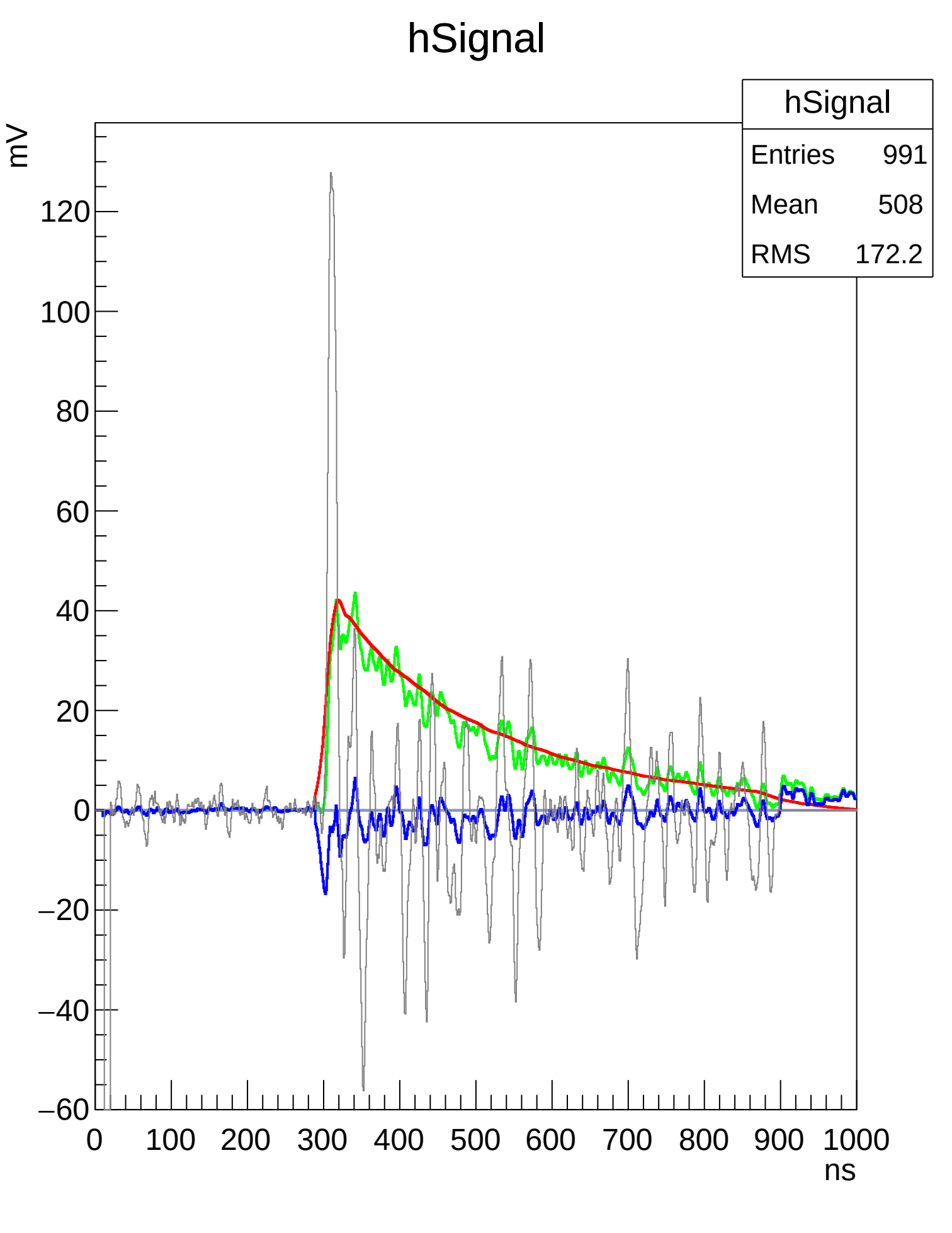

hSignal
hSignal
Entries 991
Mean 554
RMS 158.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

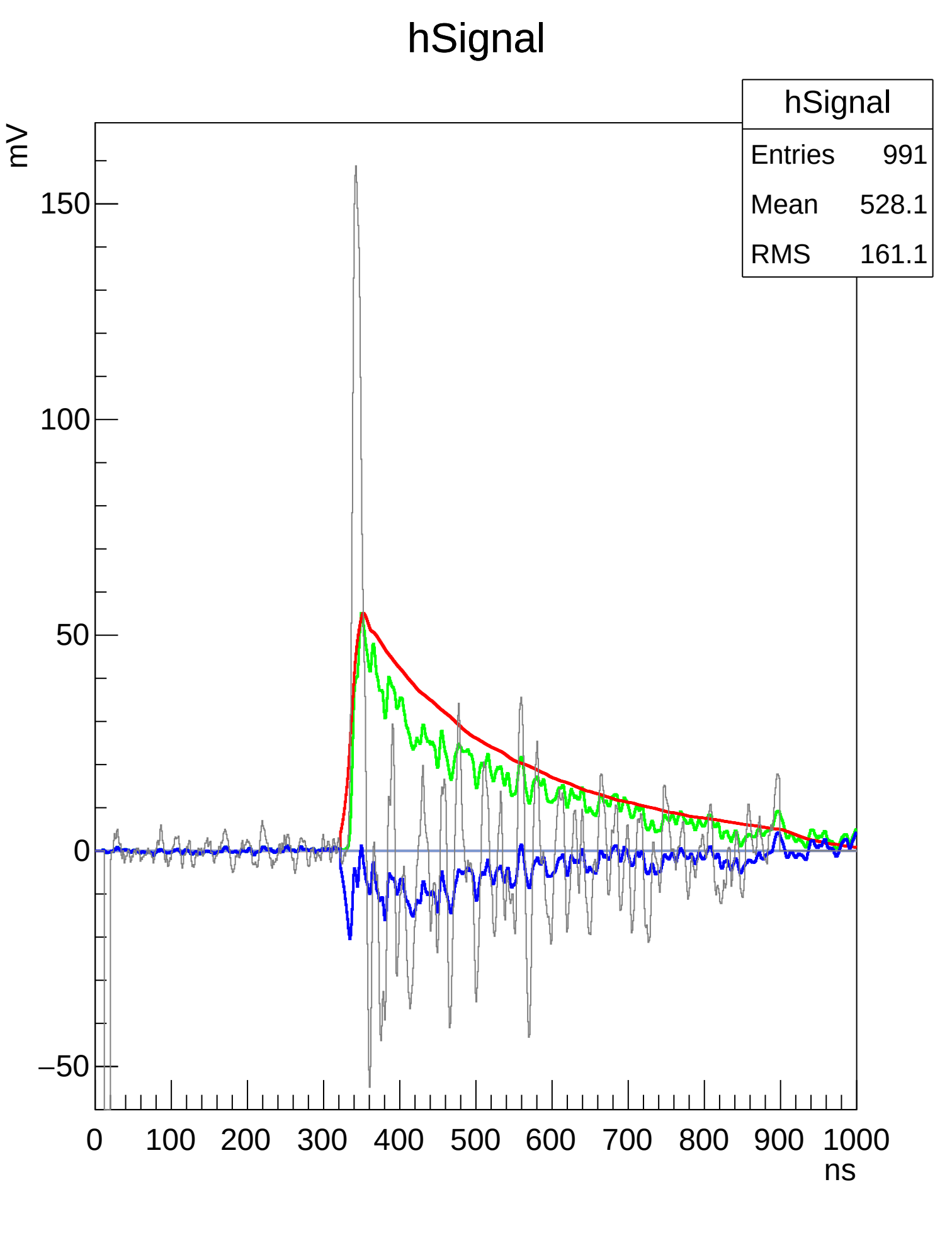

hSignal
hSignal
Entries 991
Mean 561.3
RMS 164
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

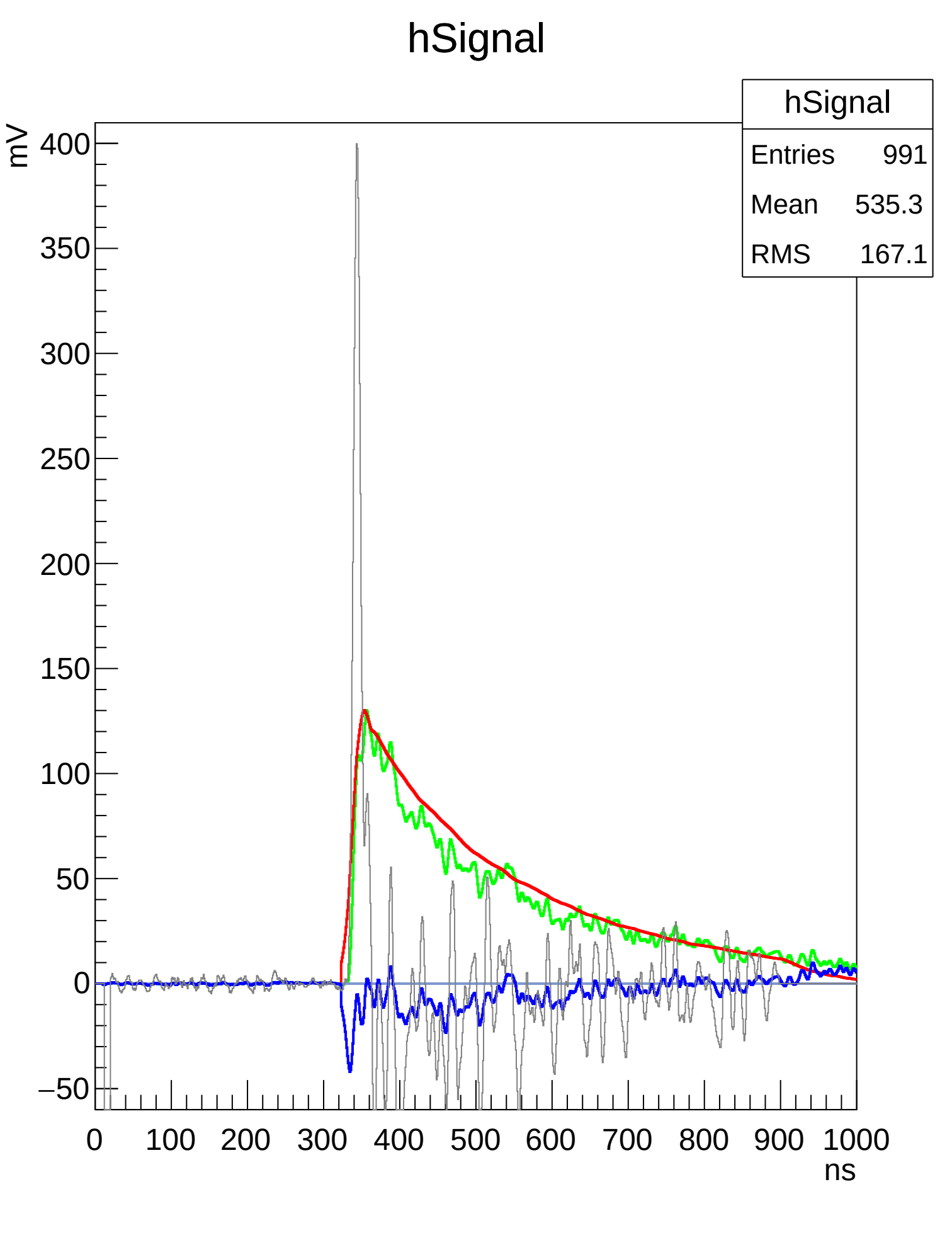

hSignal
hSignal
Entries 991
Mean 566.2
RMS 160.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

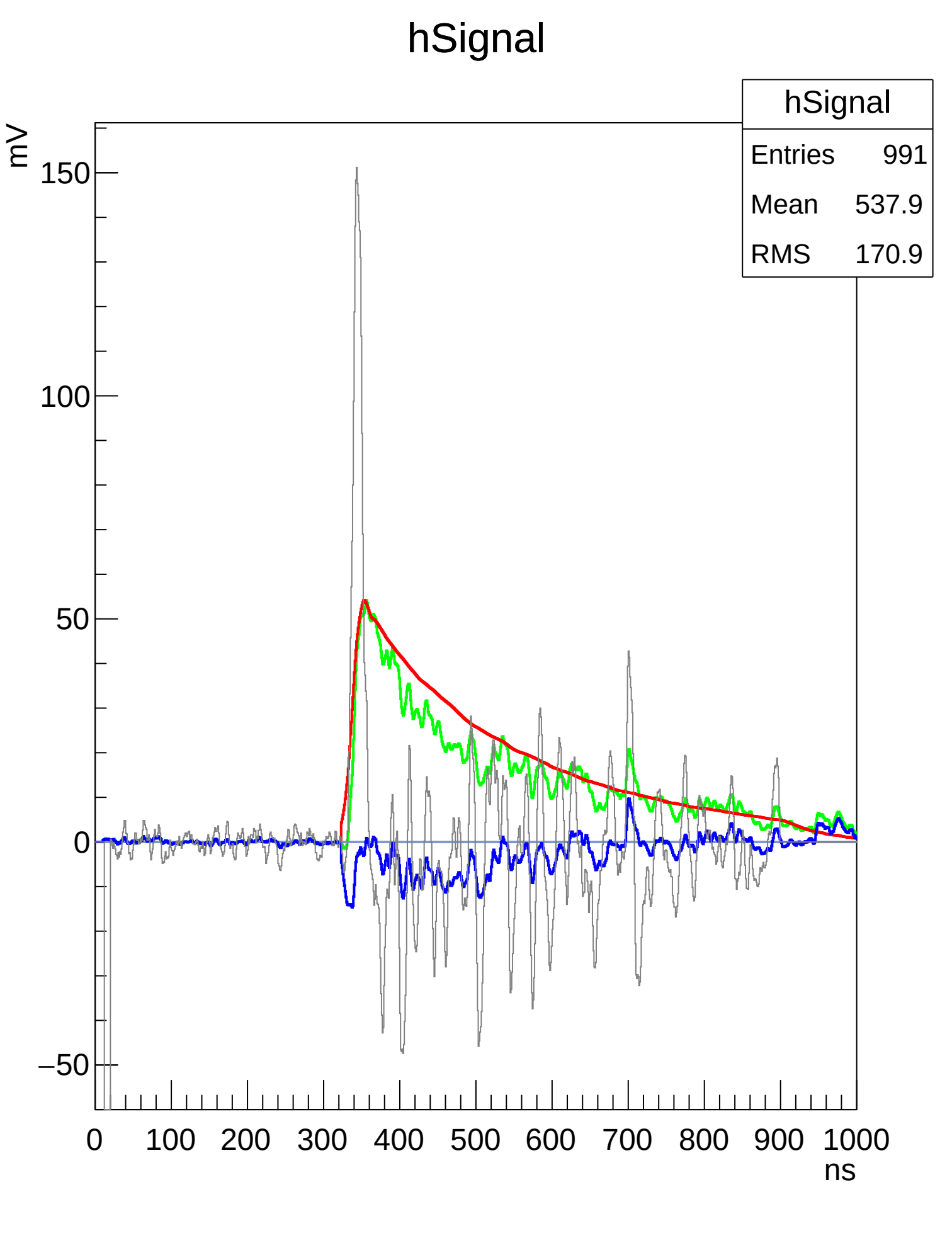

hSignal
hSignal
Entries 991
Mean 563.5
RMS 159
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

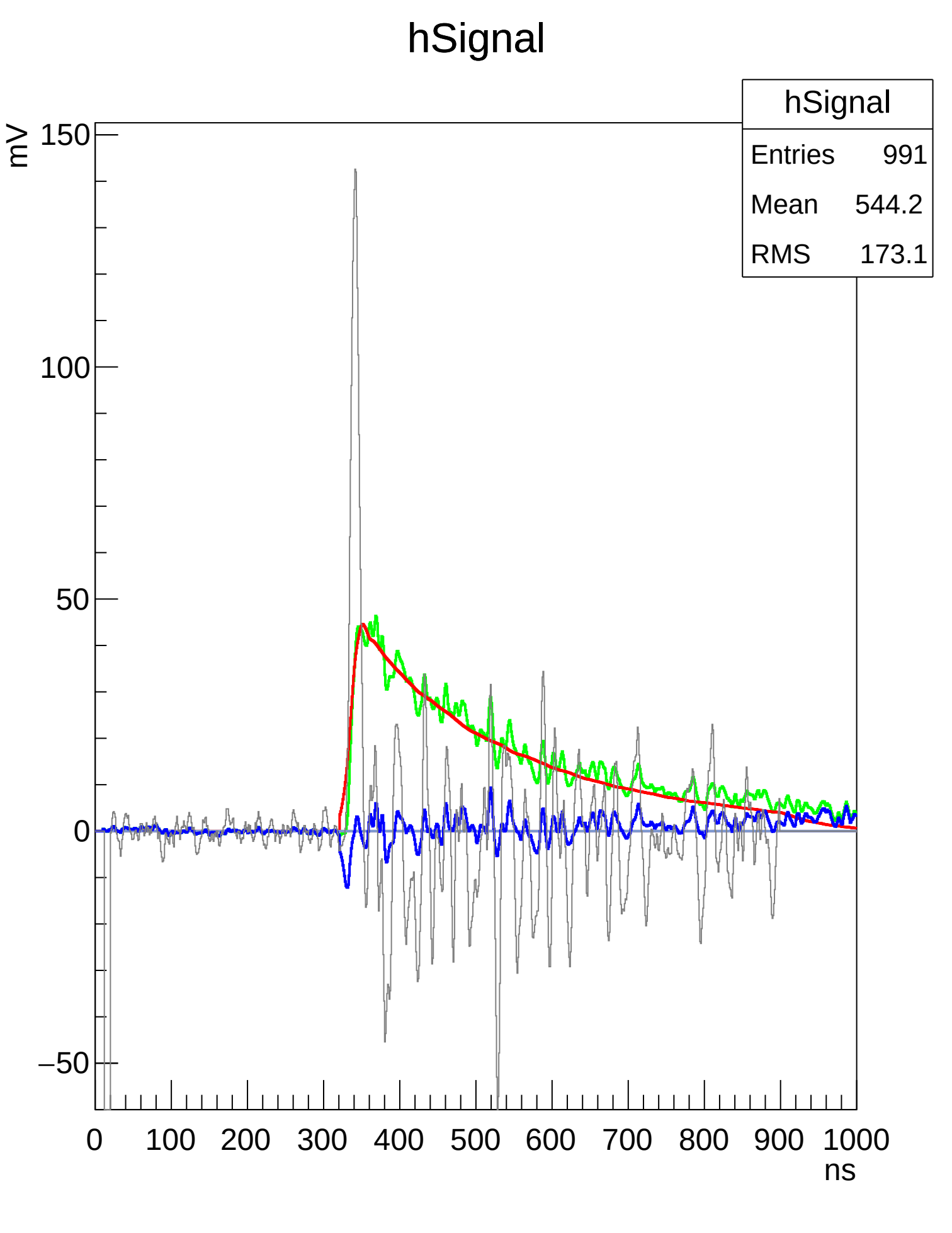

hSignal
hSignal
Entries 991
Mean 563.8
RMS 162.1
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

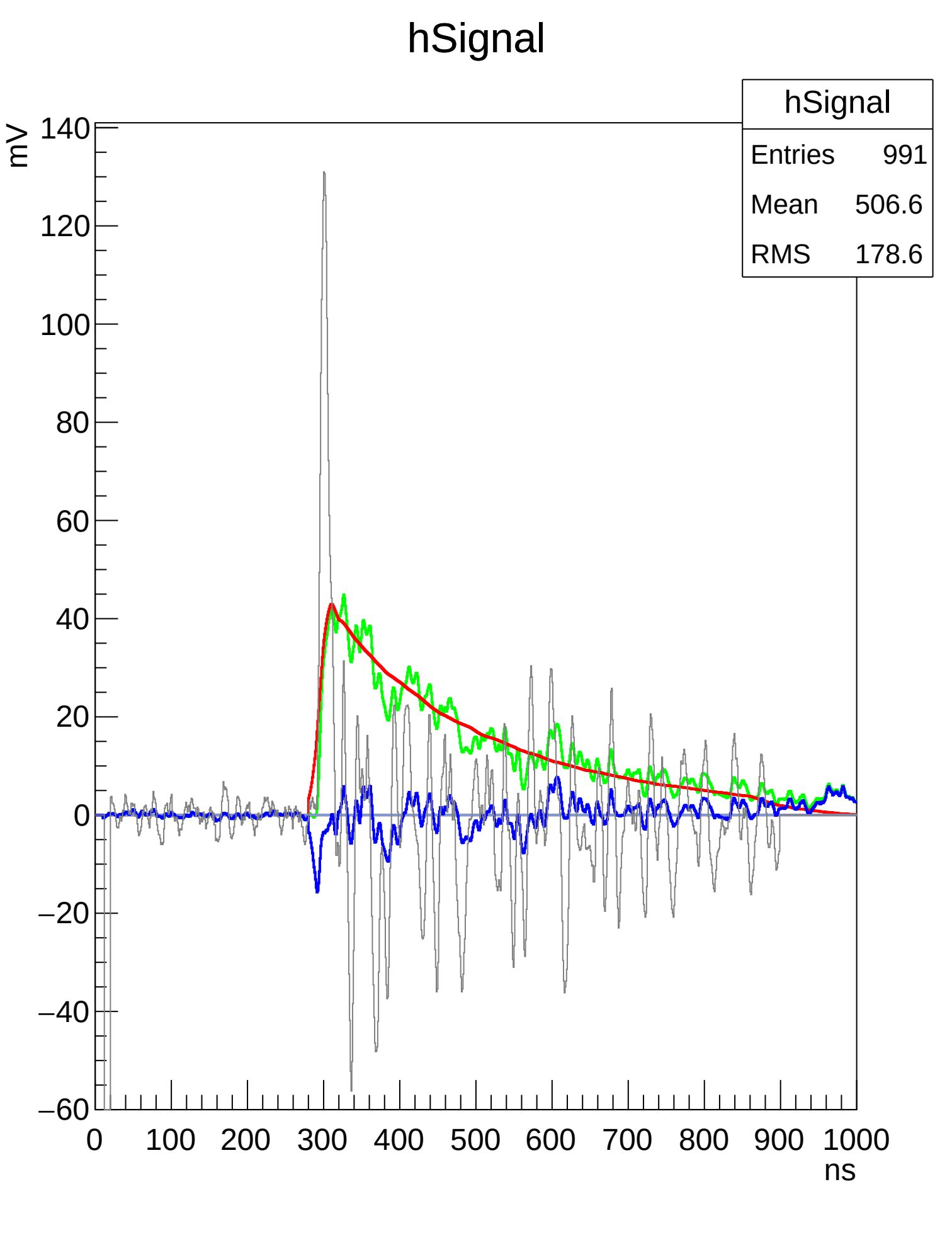

hSignal
hSignal
Entries 991
Mean 508
RMS 172.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

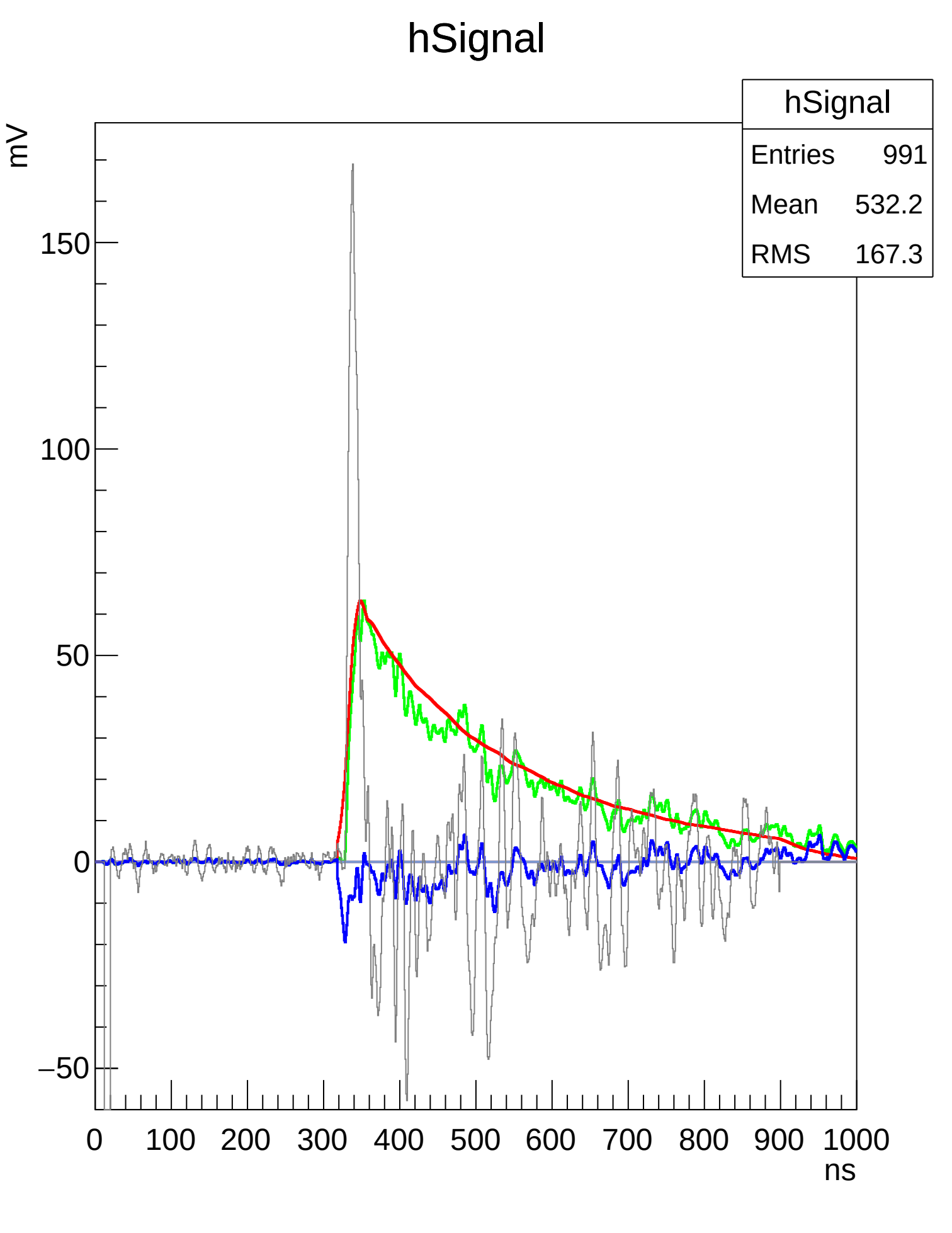

hSignal
hSignal
Entries 991
Mean 528.1
RMS 161.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

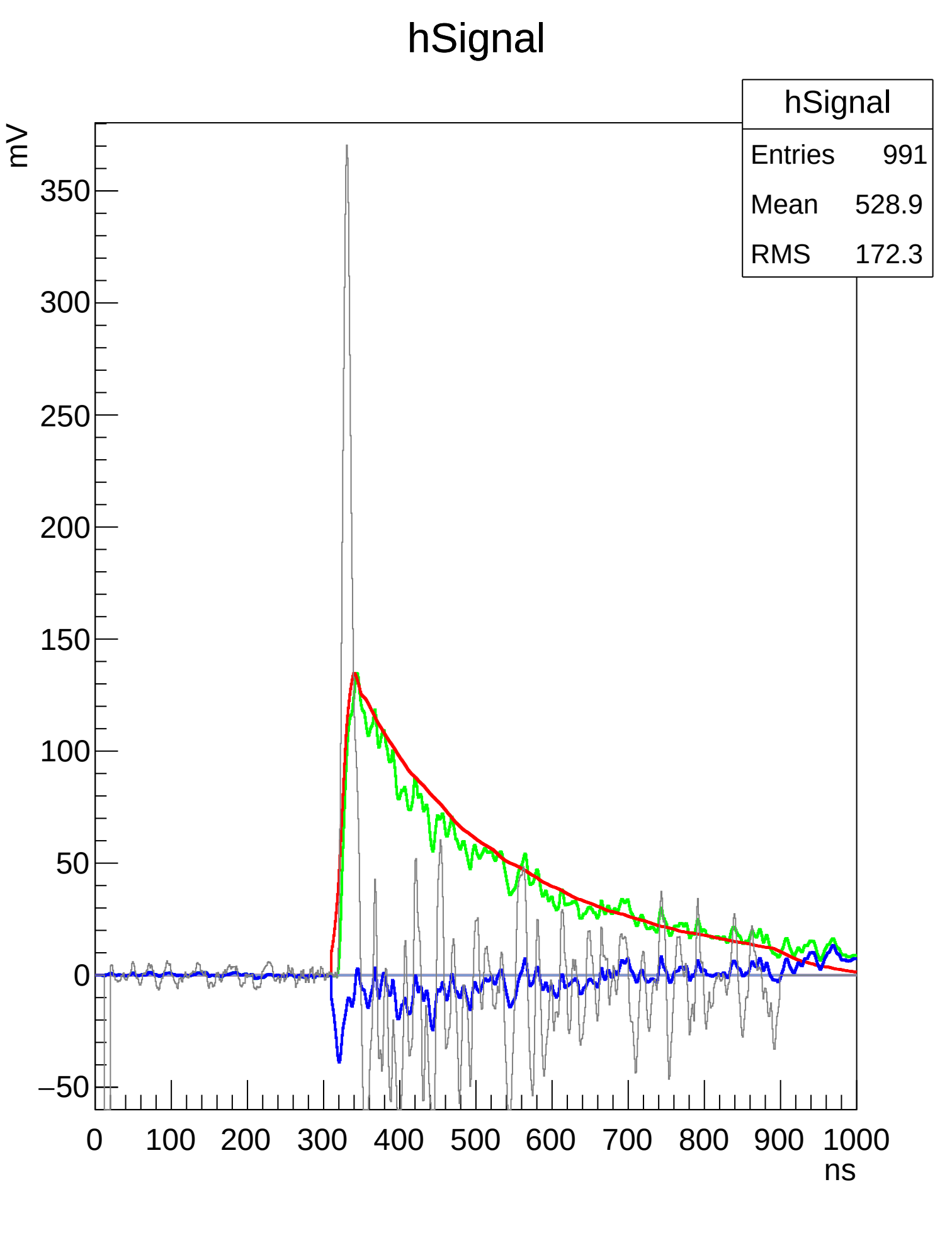

hSignal
hSignal
Entries 991
Mean 535.3
RMS 167.1
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

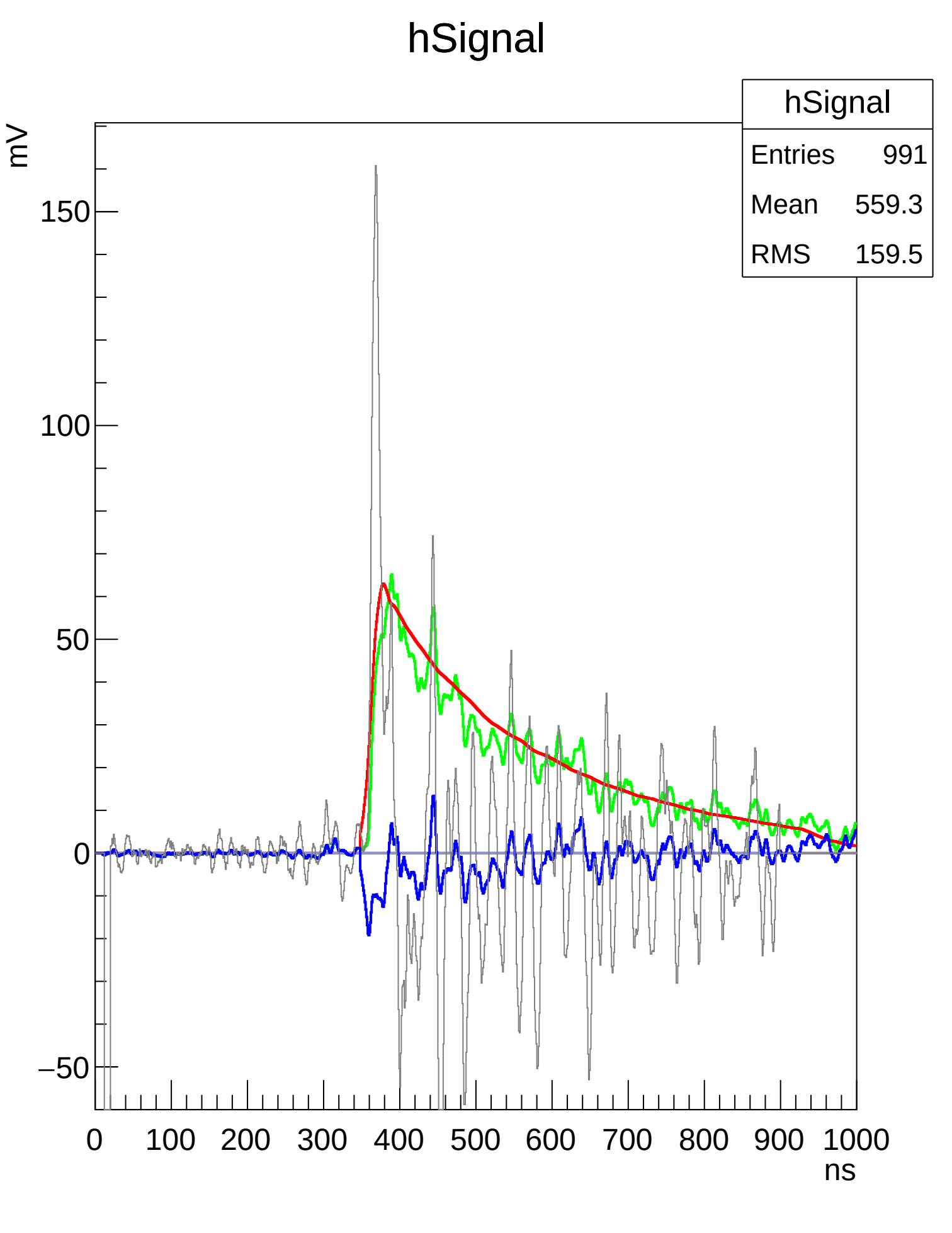

hSignal
hSignal
Entries 991
Mean 537.9
RMS 170.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

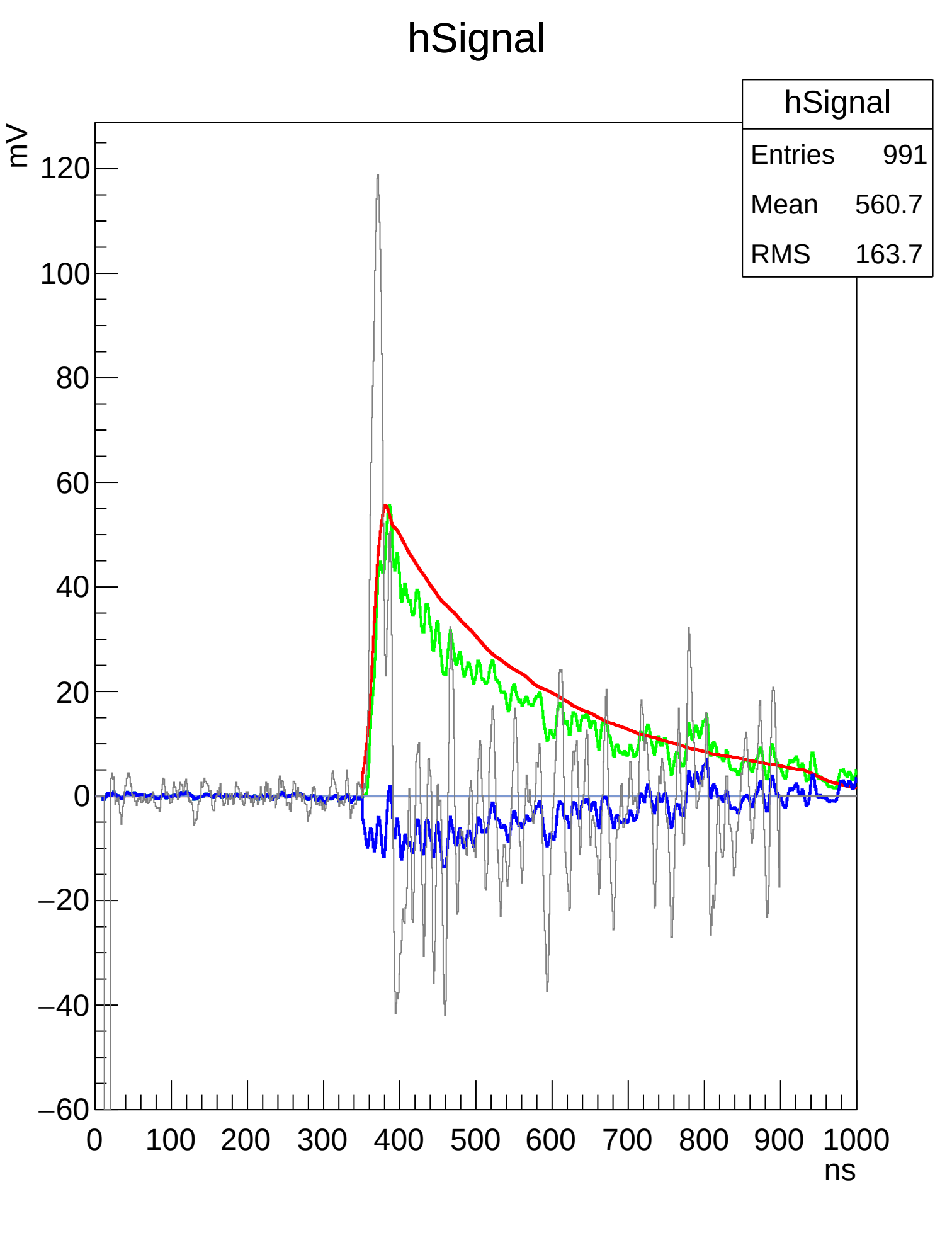

hSignal
hSignal
Entries 991
Mean 544.2
RMS 173.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

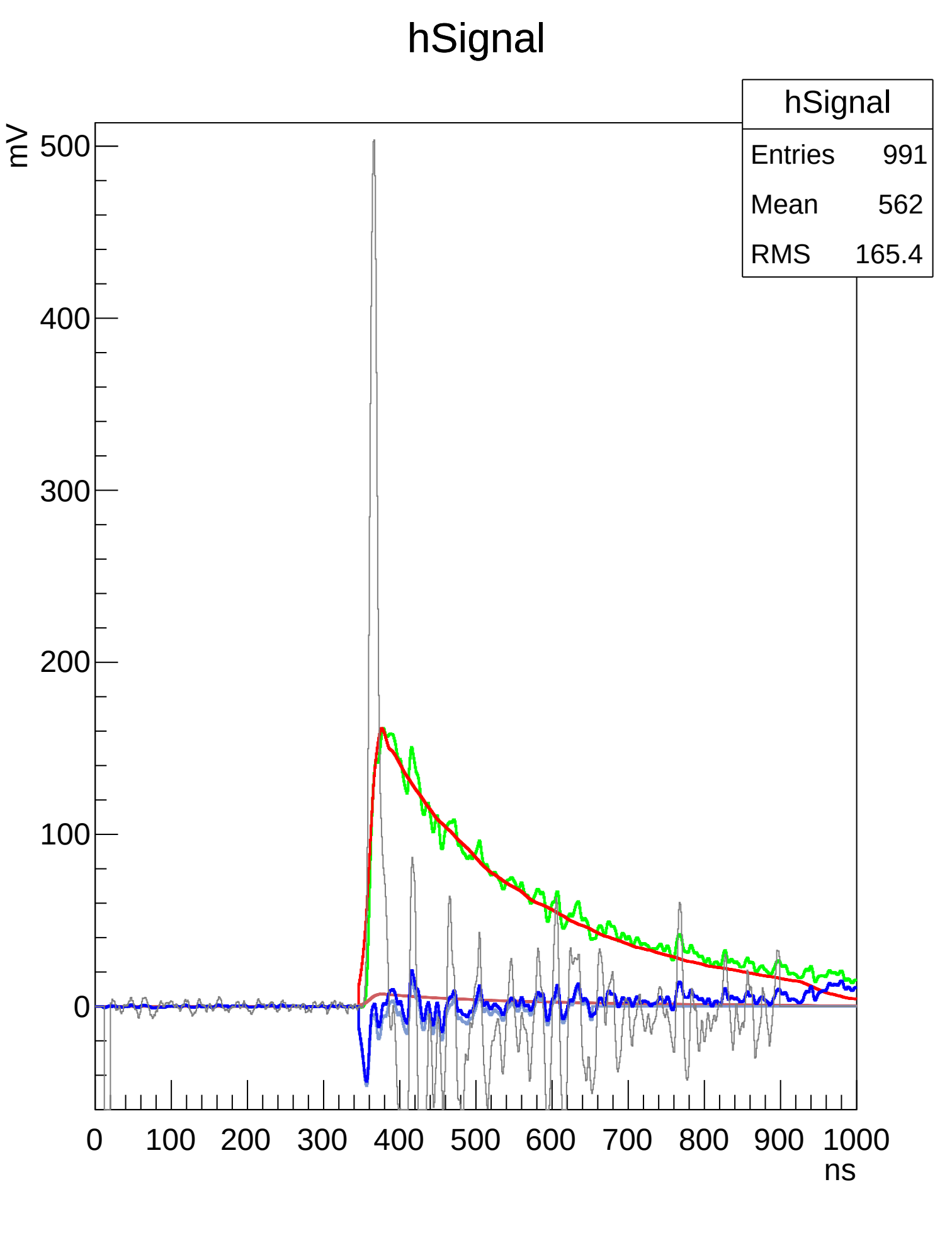

hSignal
hSignal
Entries 991
Mean 506.6
RMS 178.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

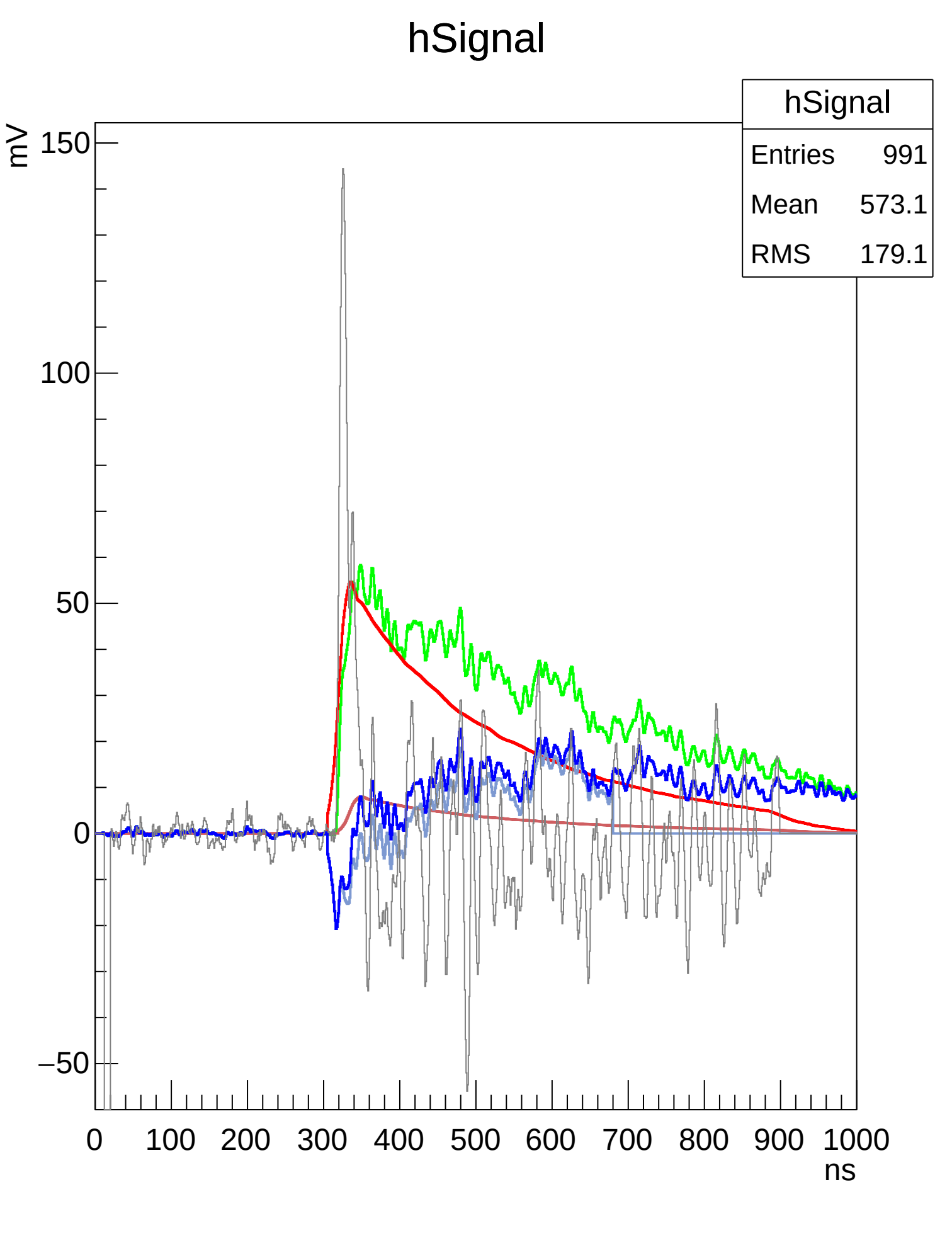

hSignal
hSignal
Entries 991
Mean 532.2
RMS 167.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

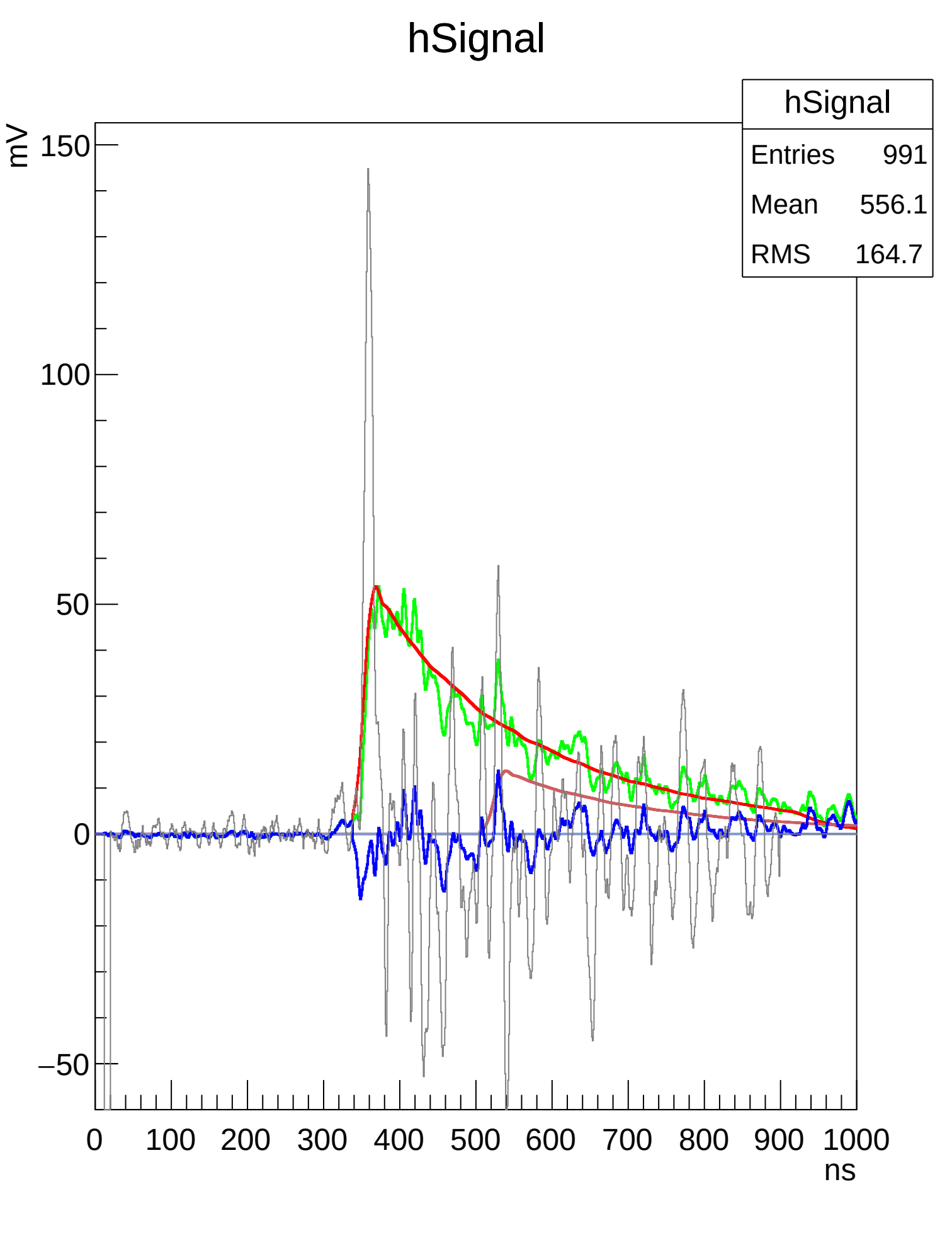

hSignal
hSignal
Entries 991
Mean 528.9
RMS 172.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

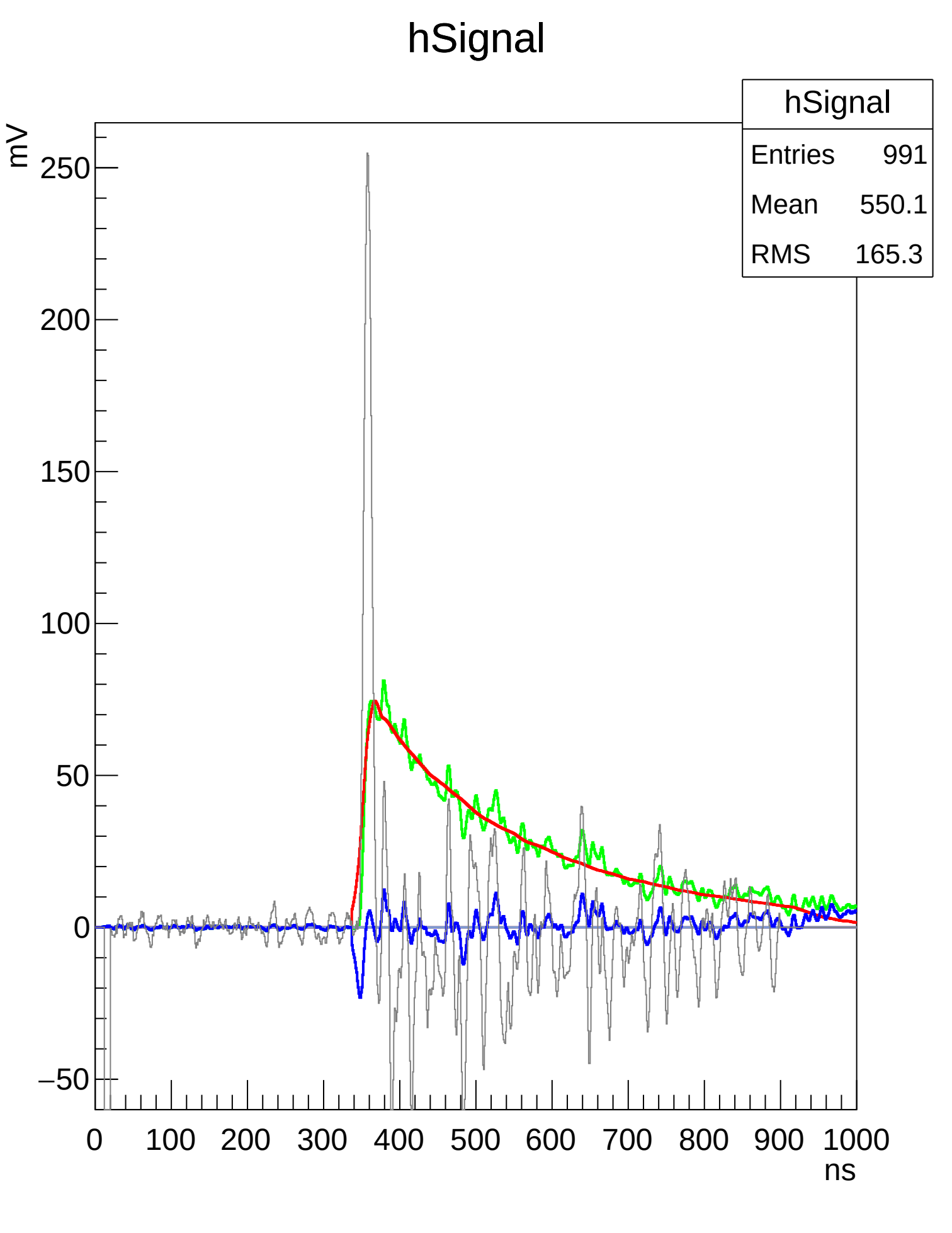

hSignal
hSignal
Entries 991
Mean 559.3
RMS 159.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

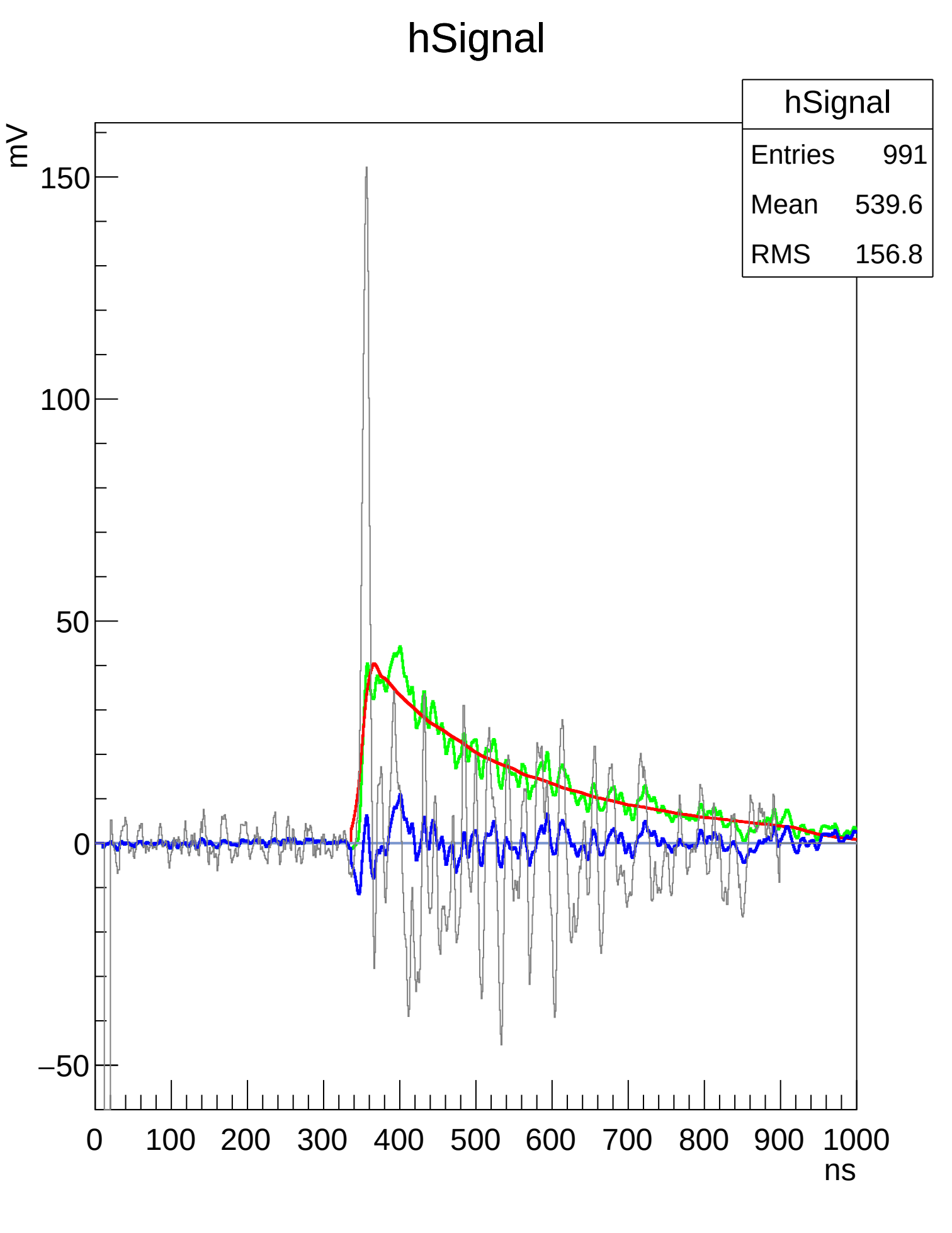

hSignal
hSignal
Entries 991
Mean 560.7
RMS 163.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

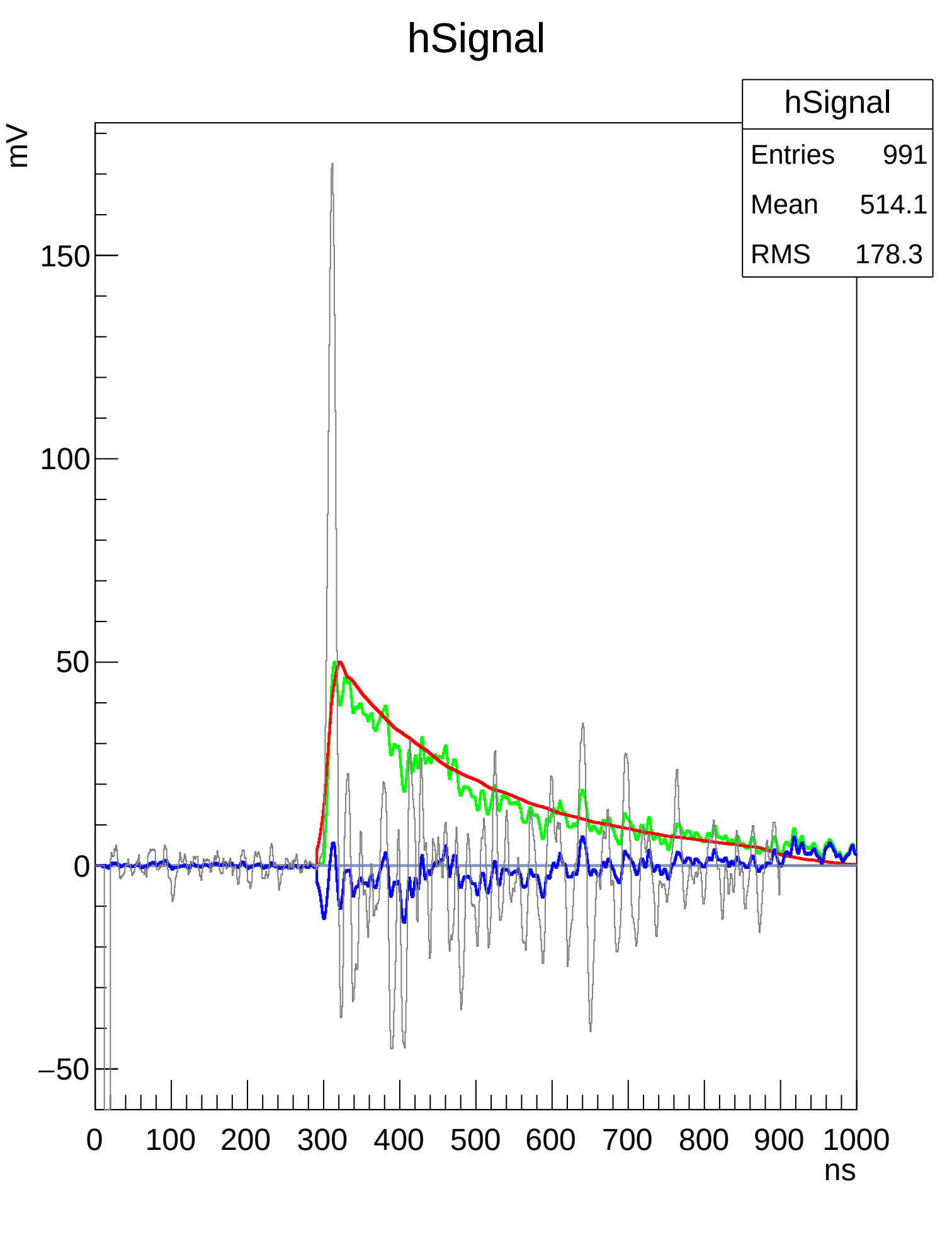

hSignal
hSignal
Entries 991
Mean 562
RMS 165.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

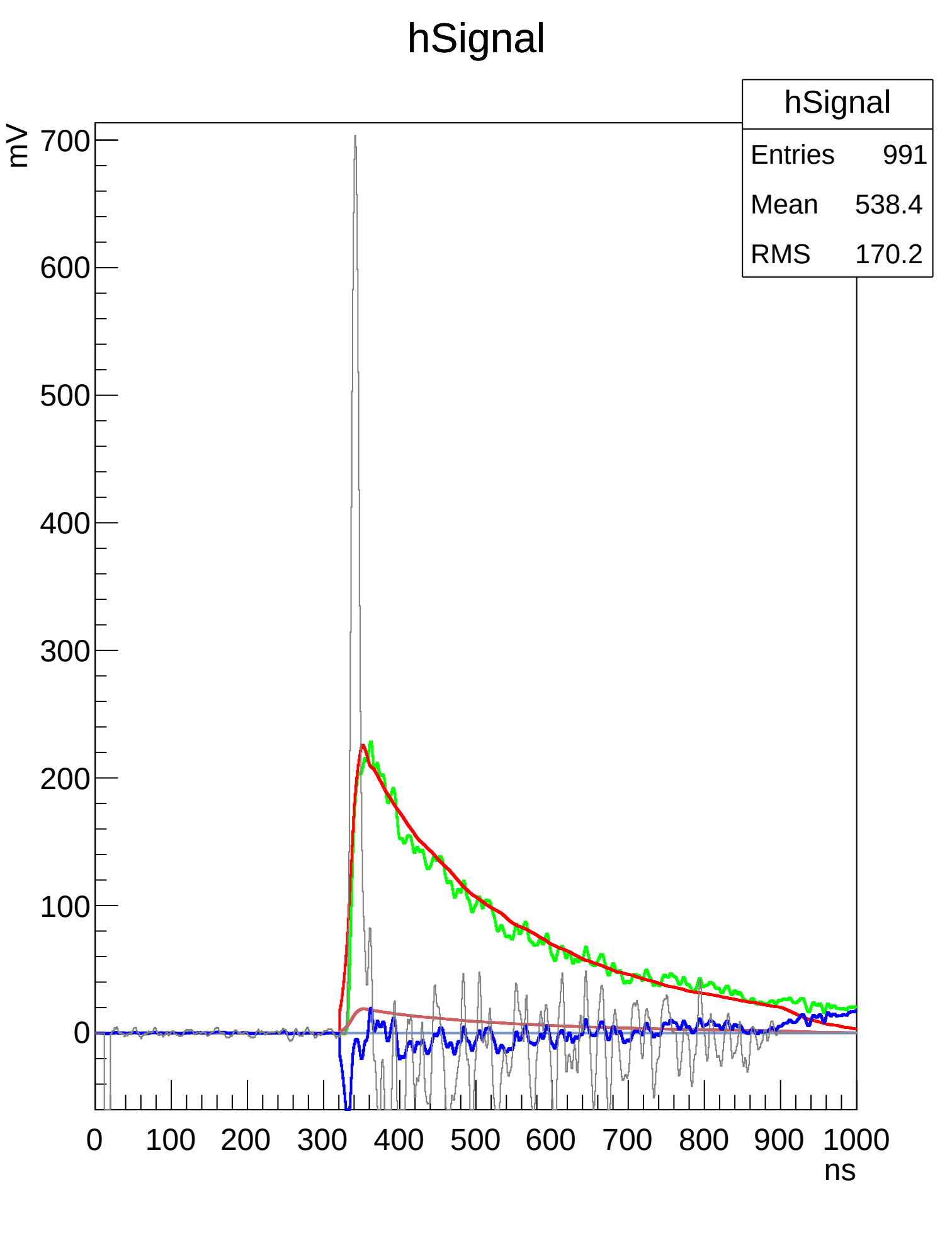

hSignal
hSignal
Entries 991
Mean 573.1
RMS 179.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

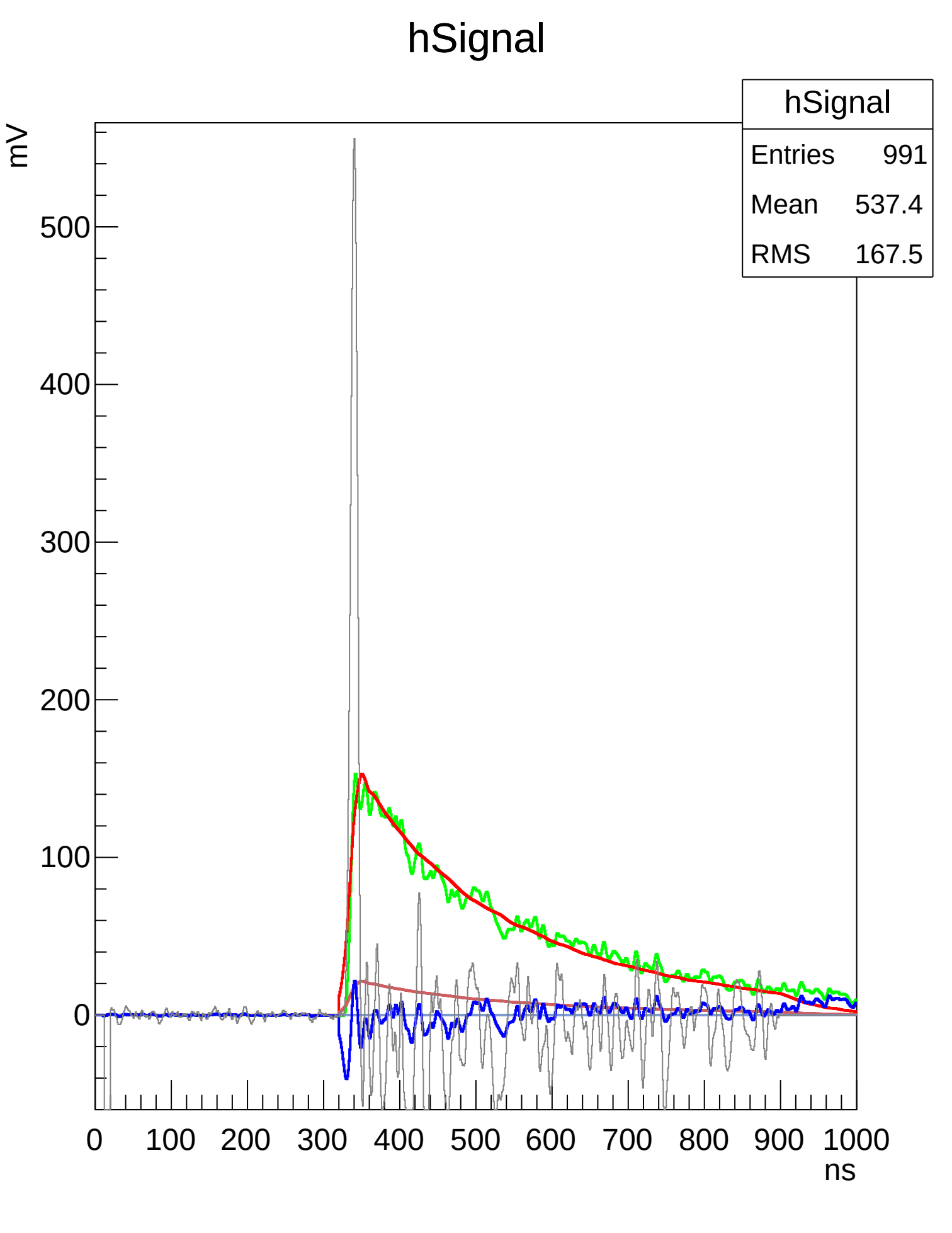

hSignal
hSignal
Entries 991
Mean 556.1
RMS 164.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

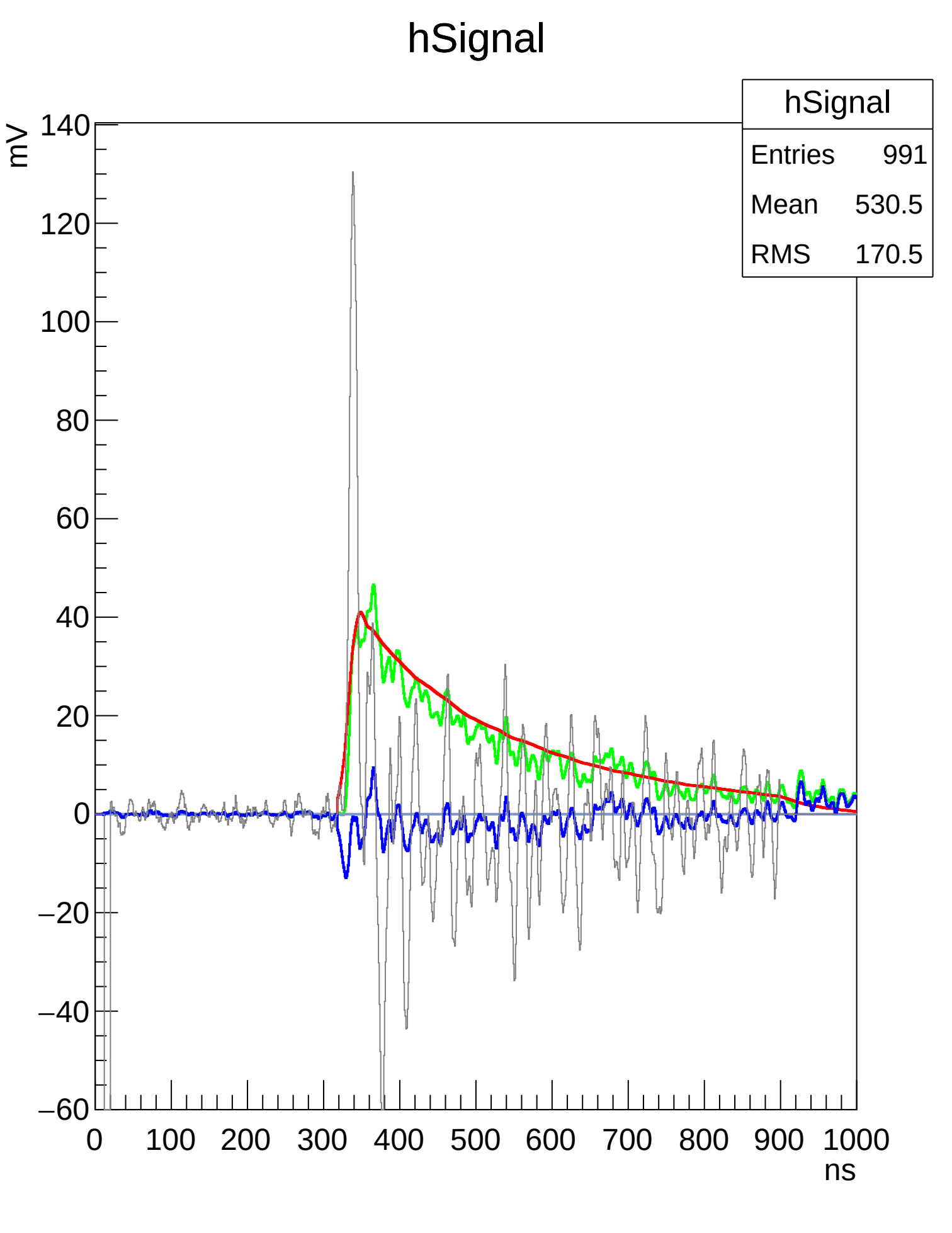

hSignal
hSignal
Entries 991
Mean 550.1
RMS 165.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

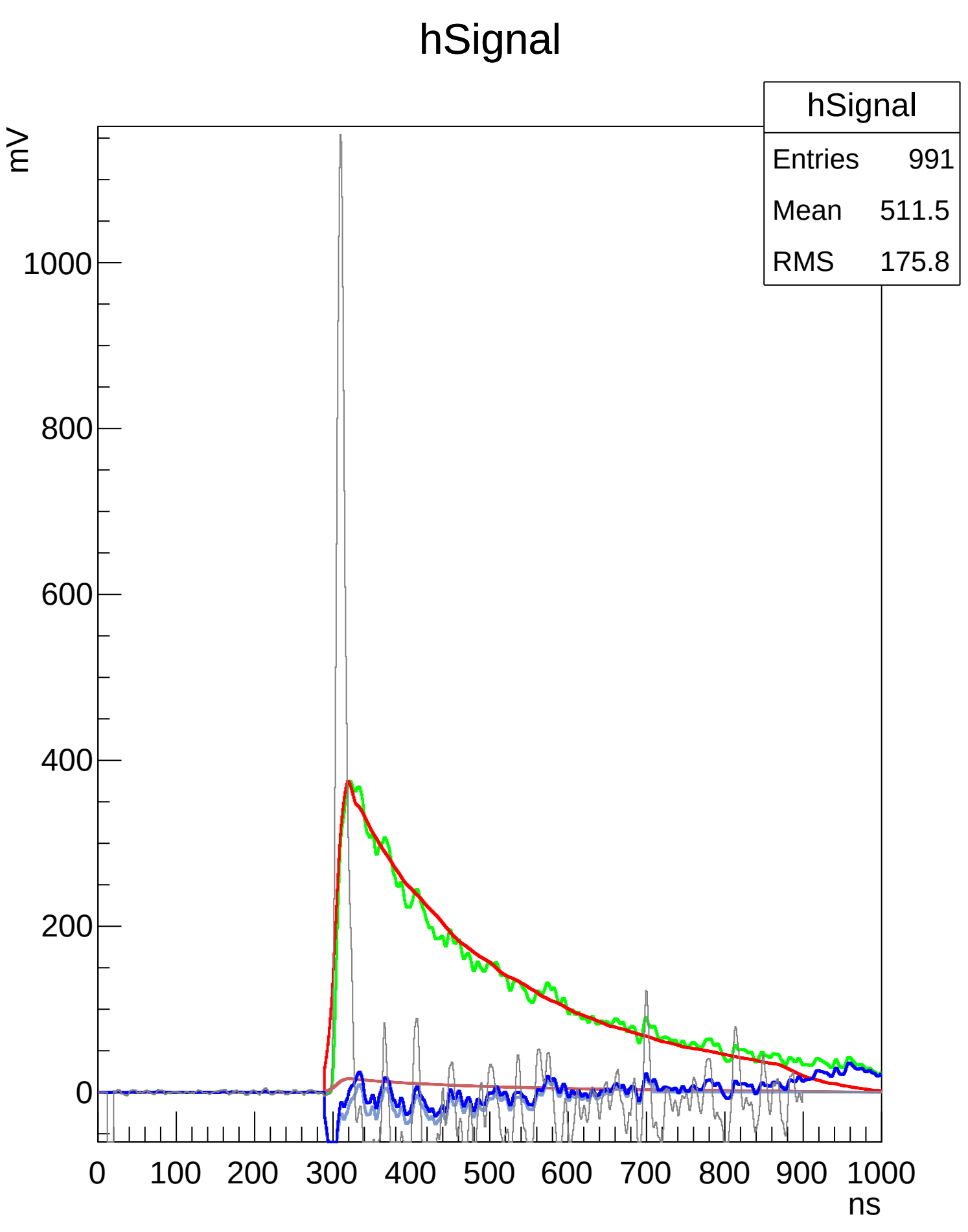

hSignal
hSignal
Entries 991
Mean 539.6
RMS 156.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

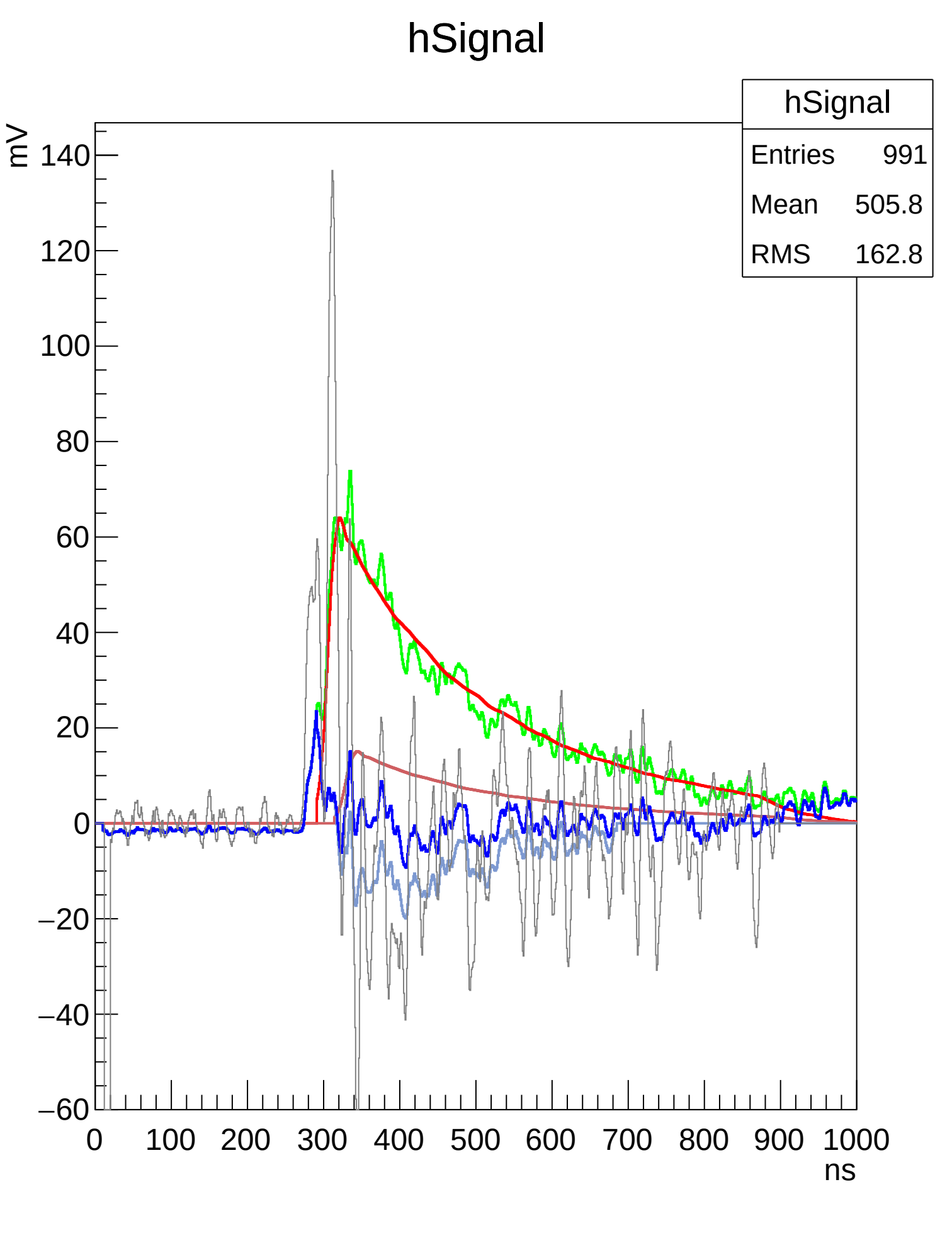

hSignal
hSignal
Entries 991
Mean 514.1
RMS 178.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

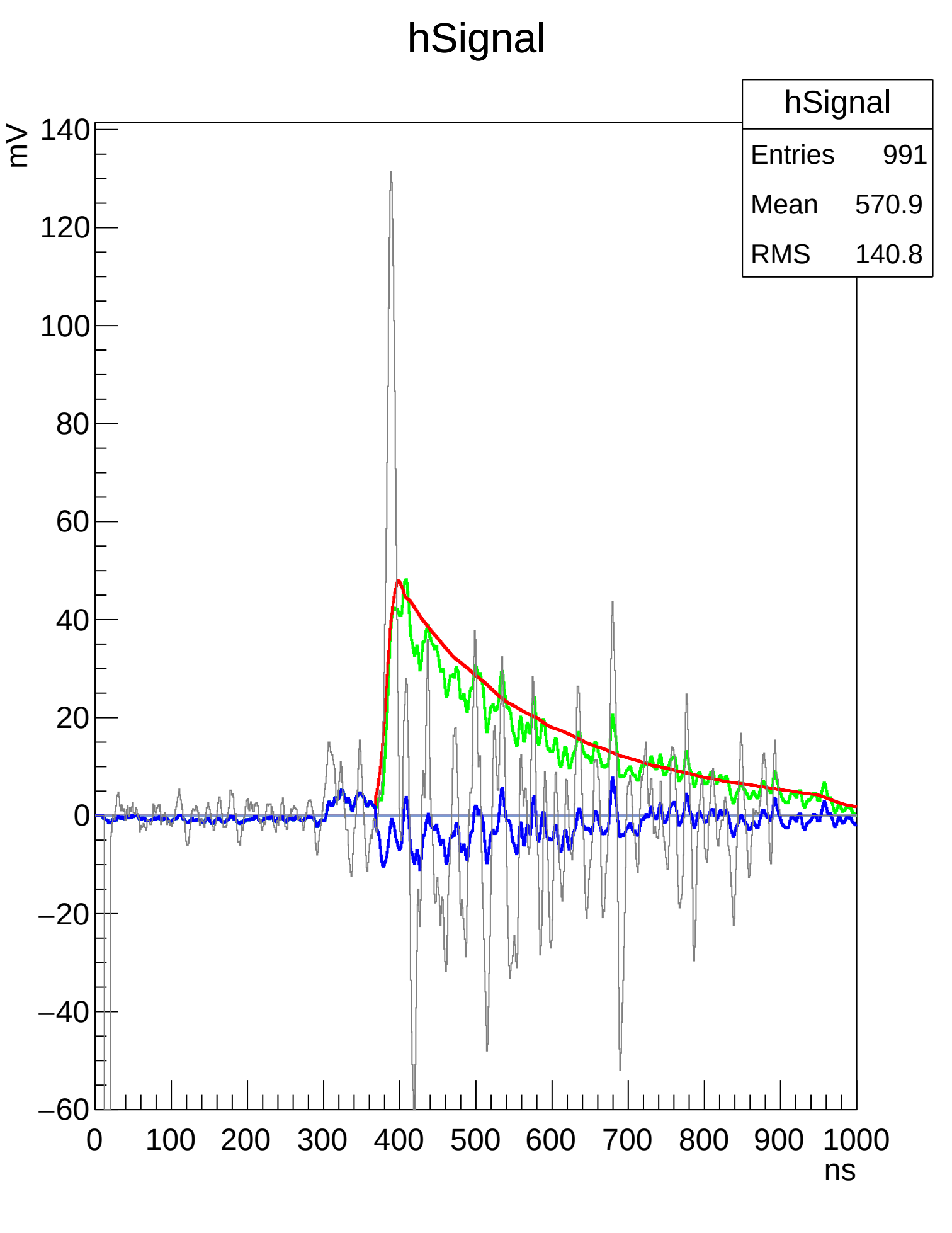

hSignal
hSignal
Entries 991
Mean 538.4
RMS 170.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

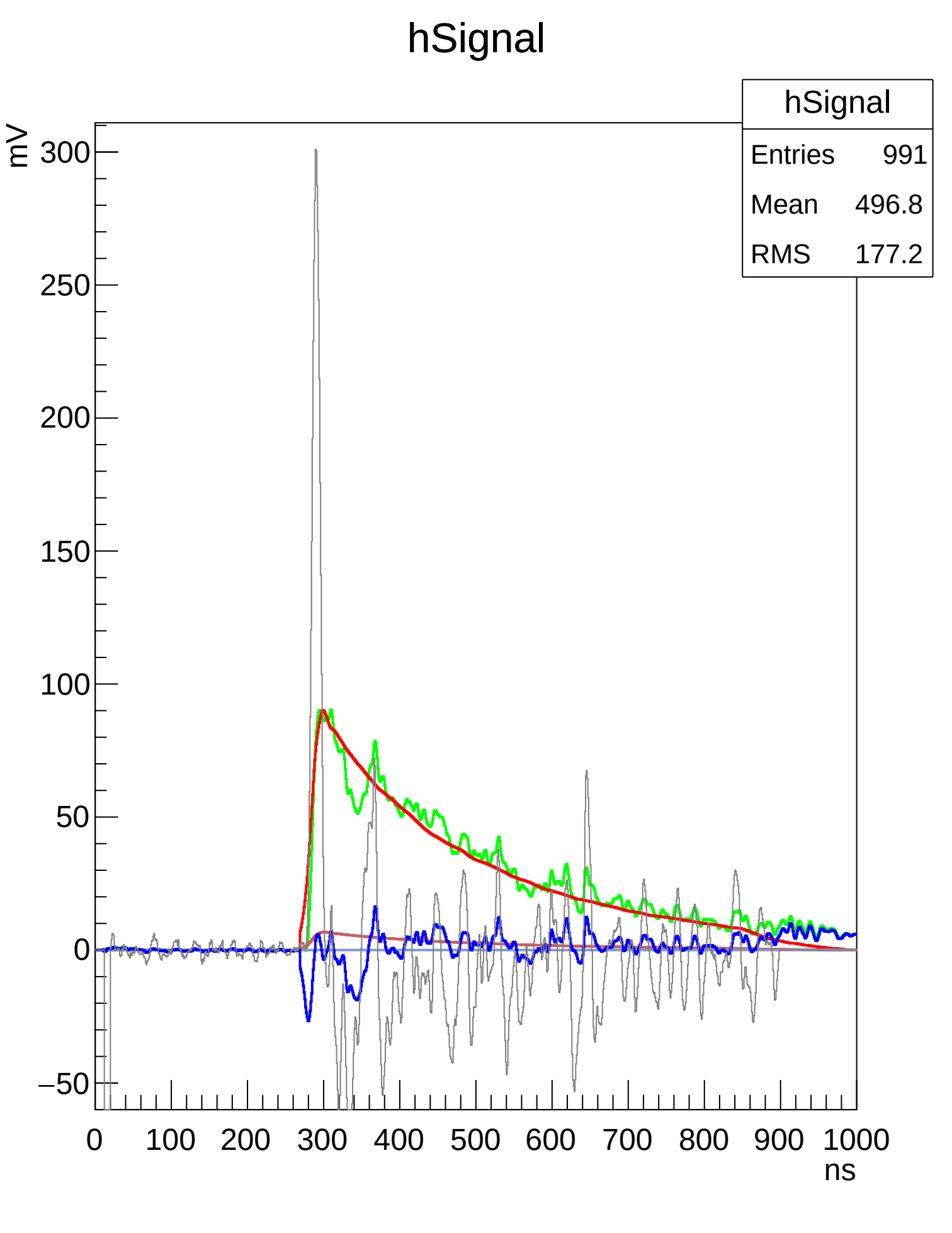

hSignal
hSignal
Entries 991
Mean 537.4
RMS 167.5
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

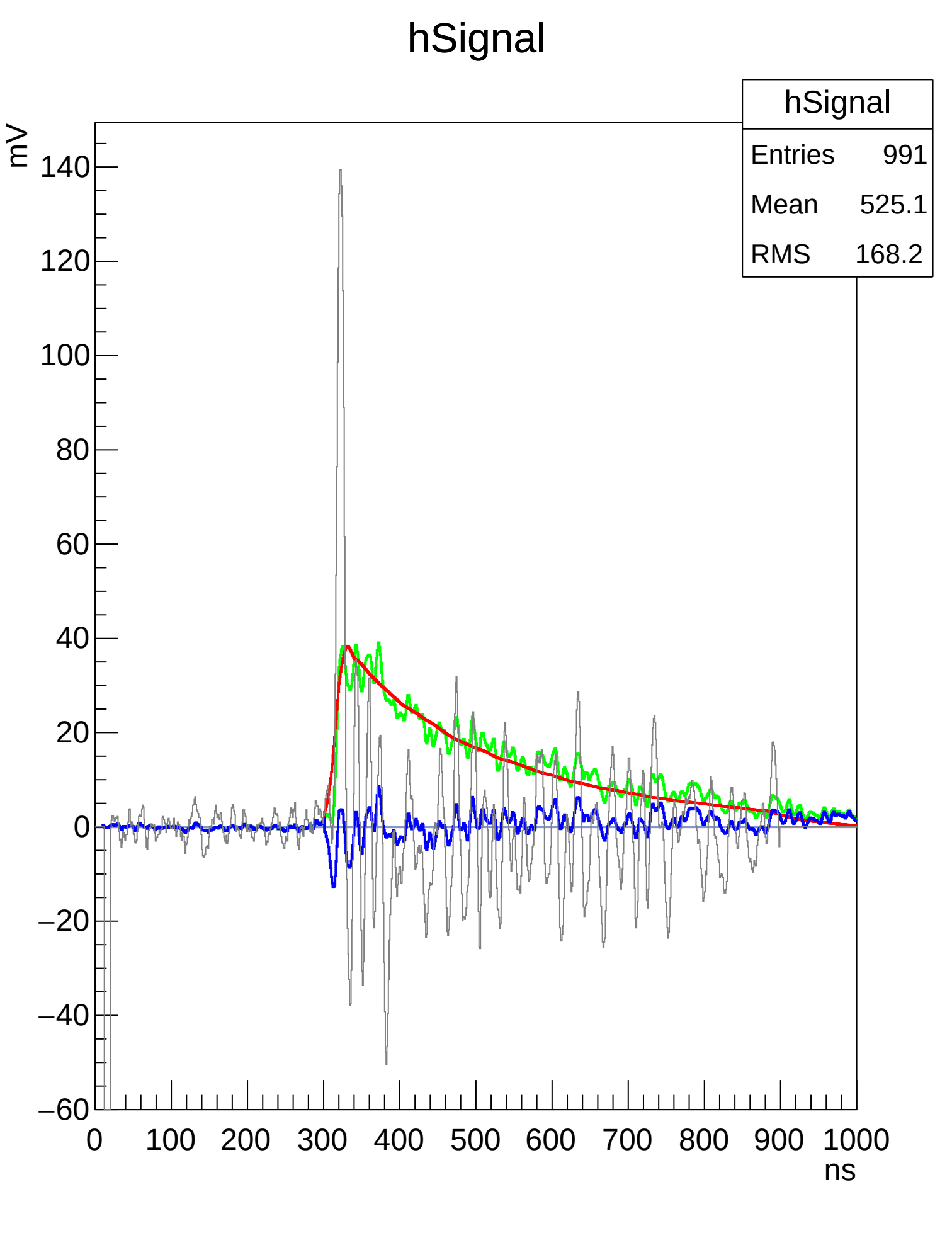

hSignal
hSignal
Entries 991
Mean 530.5
RMS 170.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

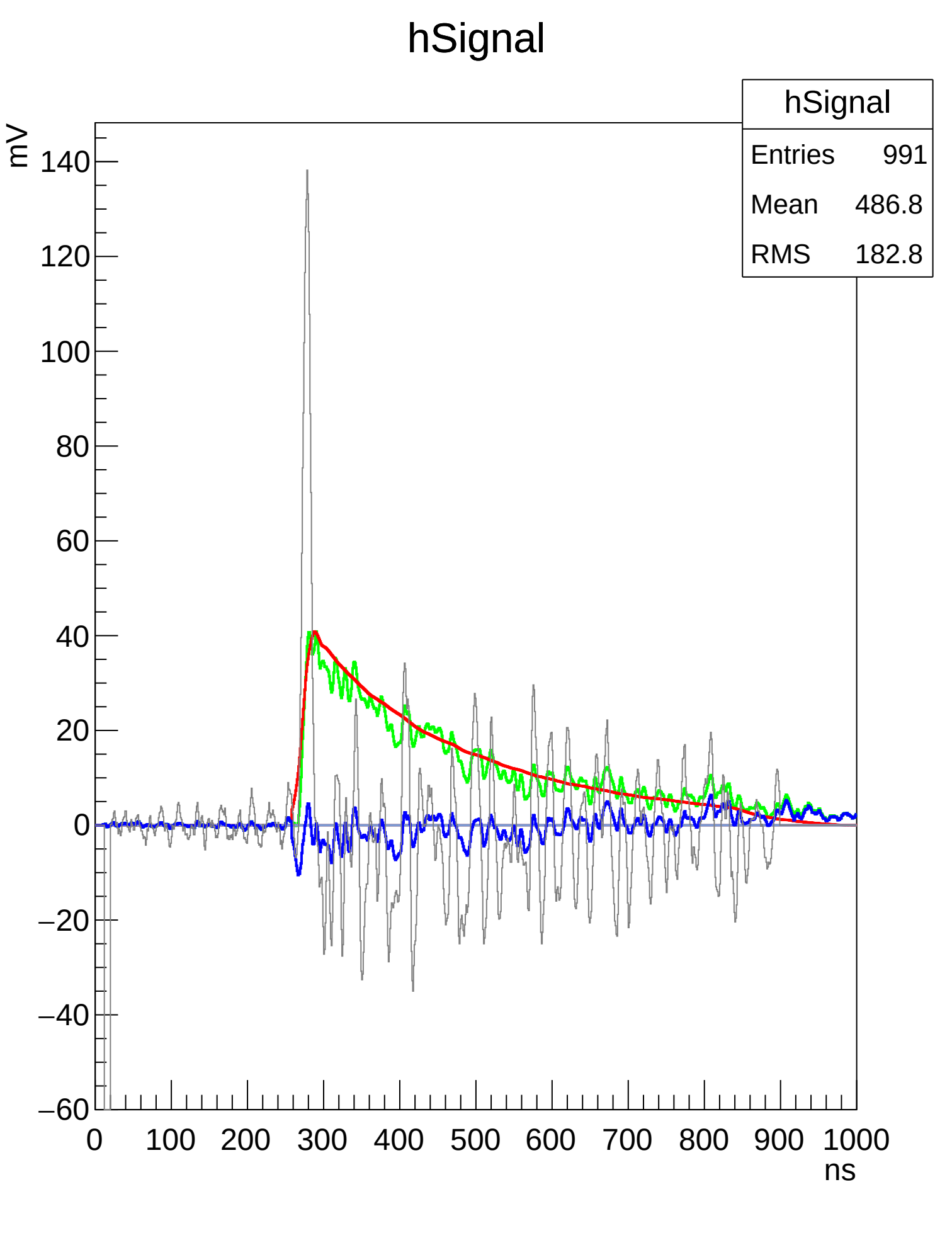

hSignal
hSignal
Entries 991
Mean 511.5
RMS 175.8
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

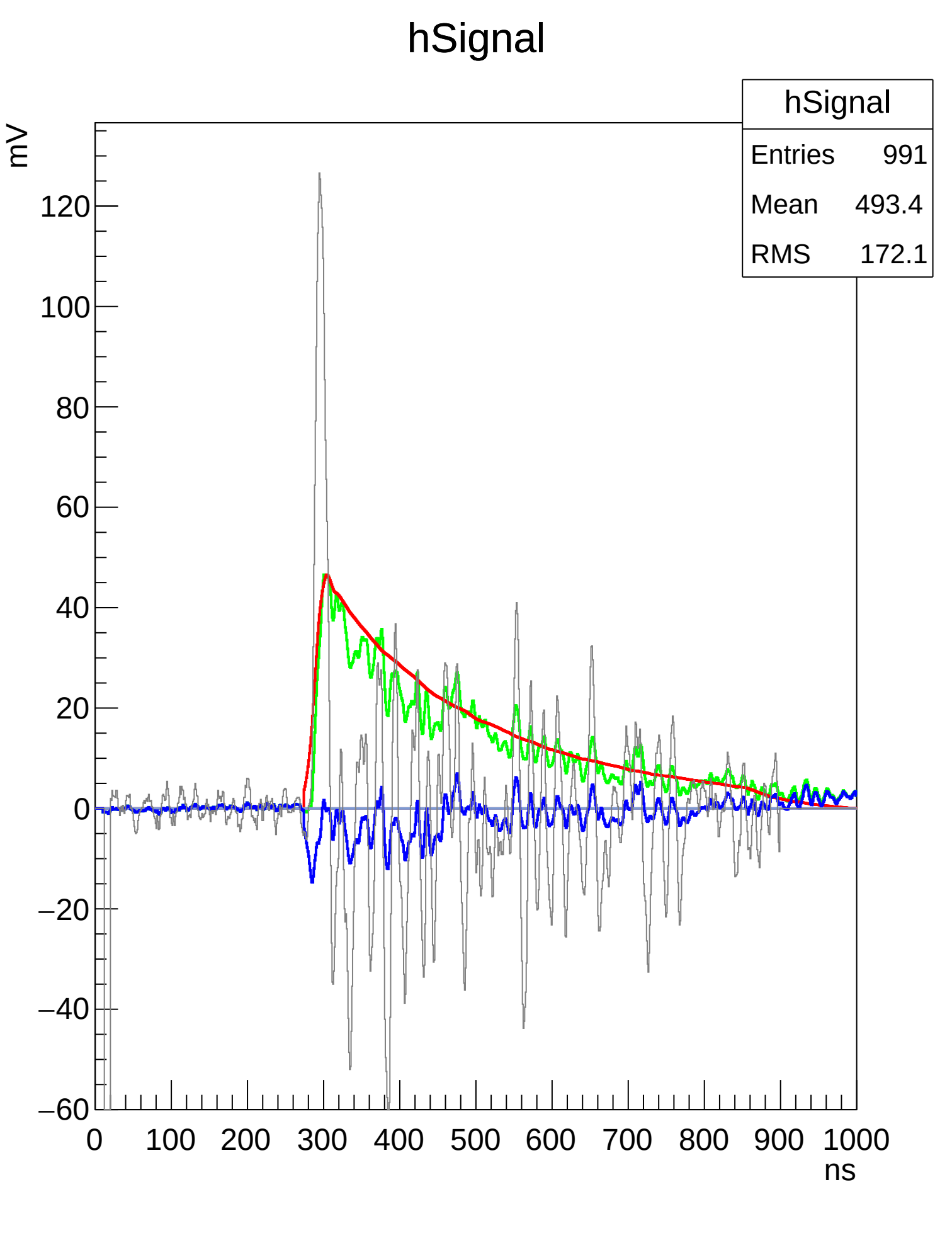

hSignal
hSignal
Entries 991
Mean 505.8
RMS 162.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

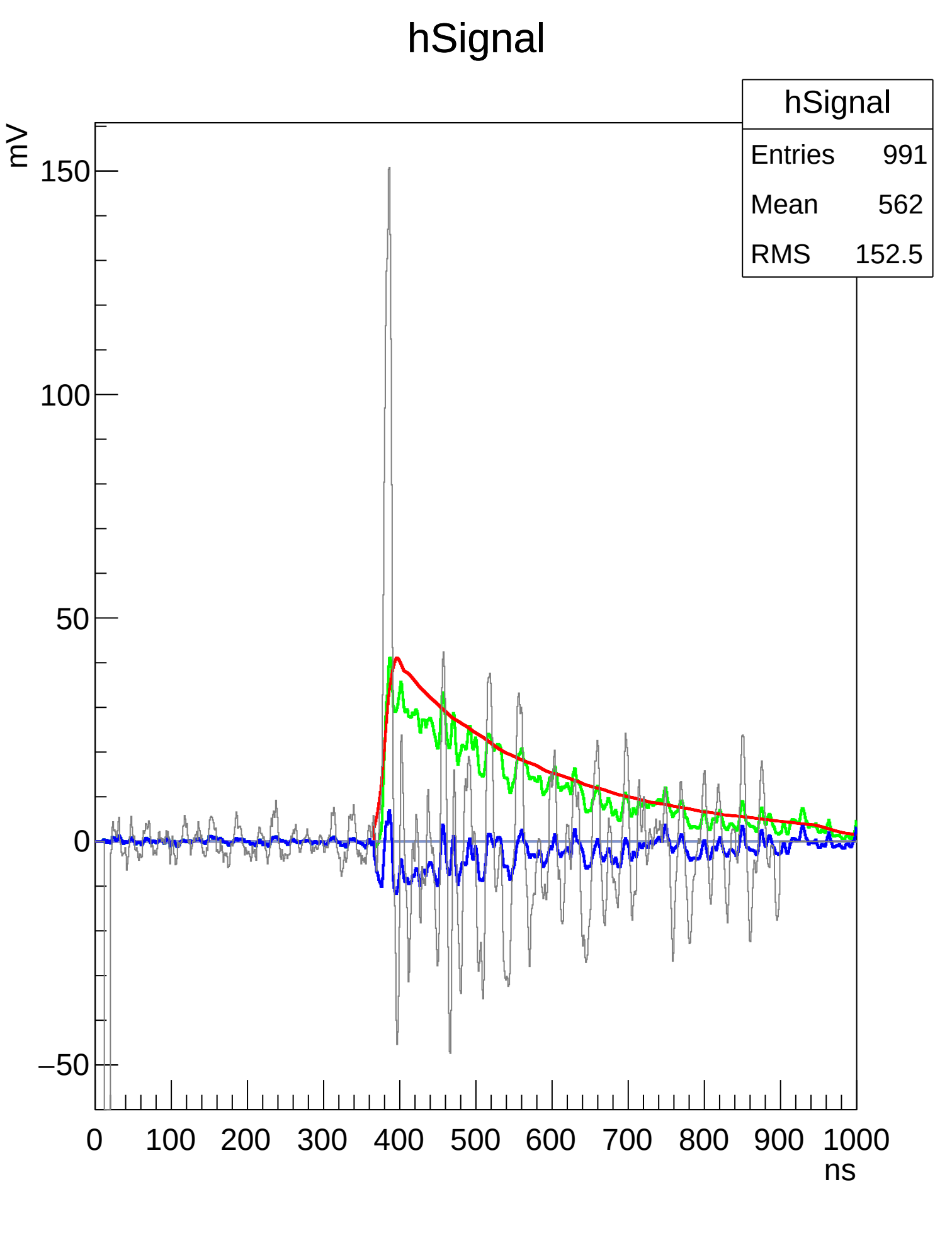

hSignal
hSignal
Entries 991
Mean 570.9
RMS 140.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

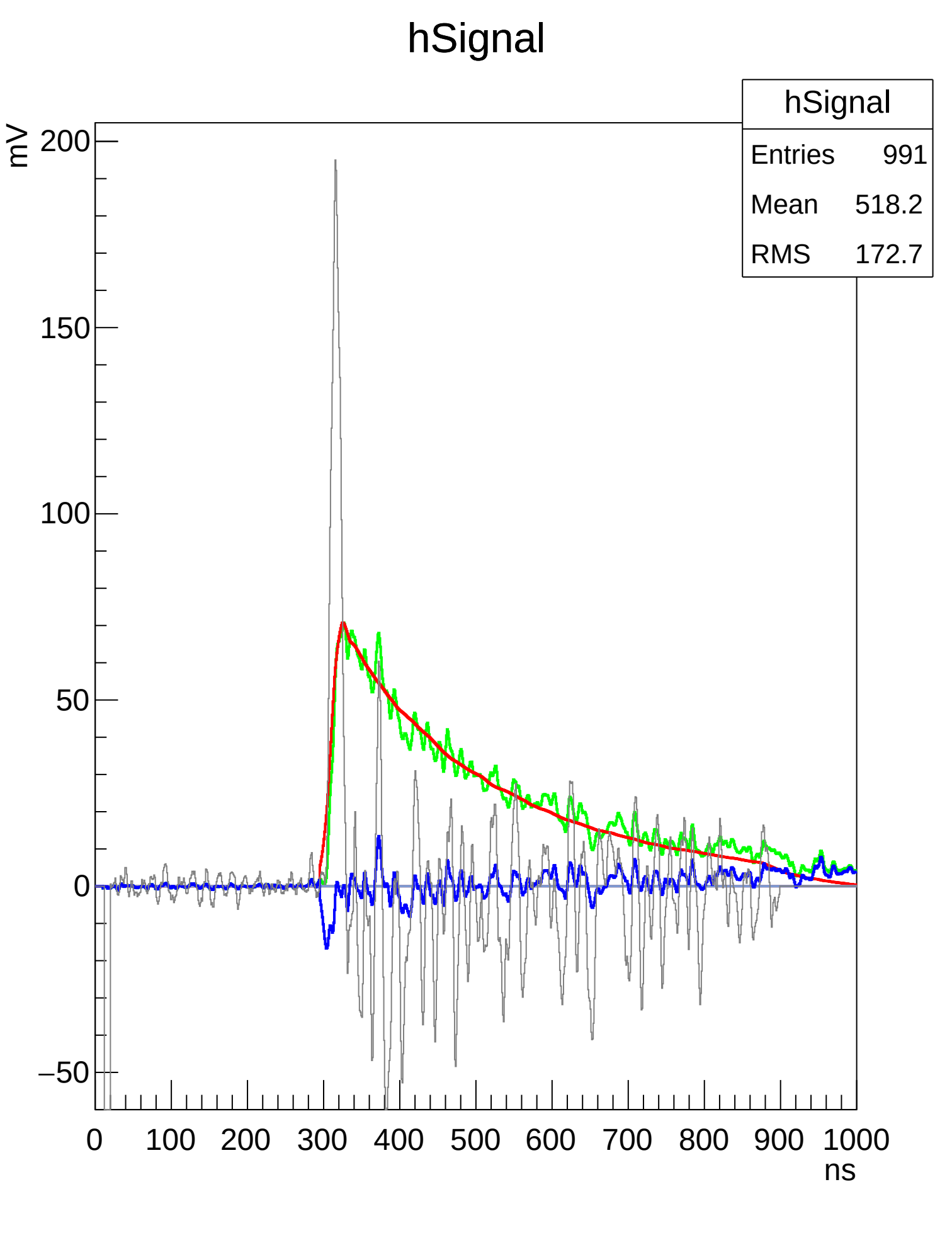

hSignal
hSignal
Entries 991
Mean 496.8
RMS 177.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

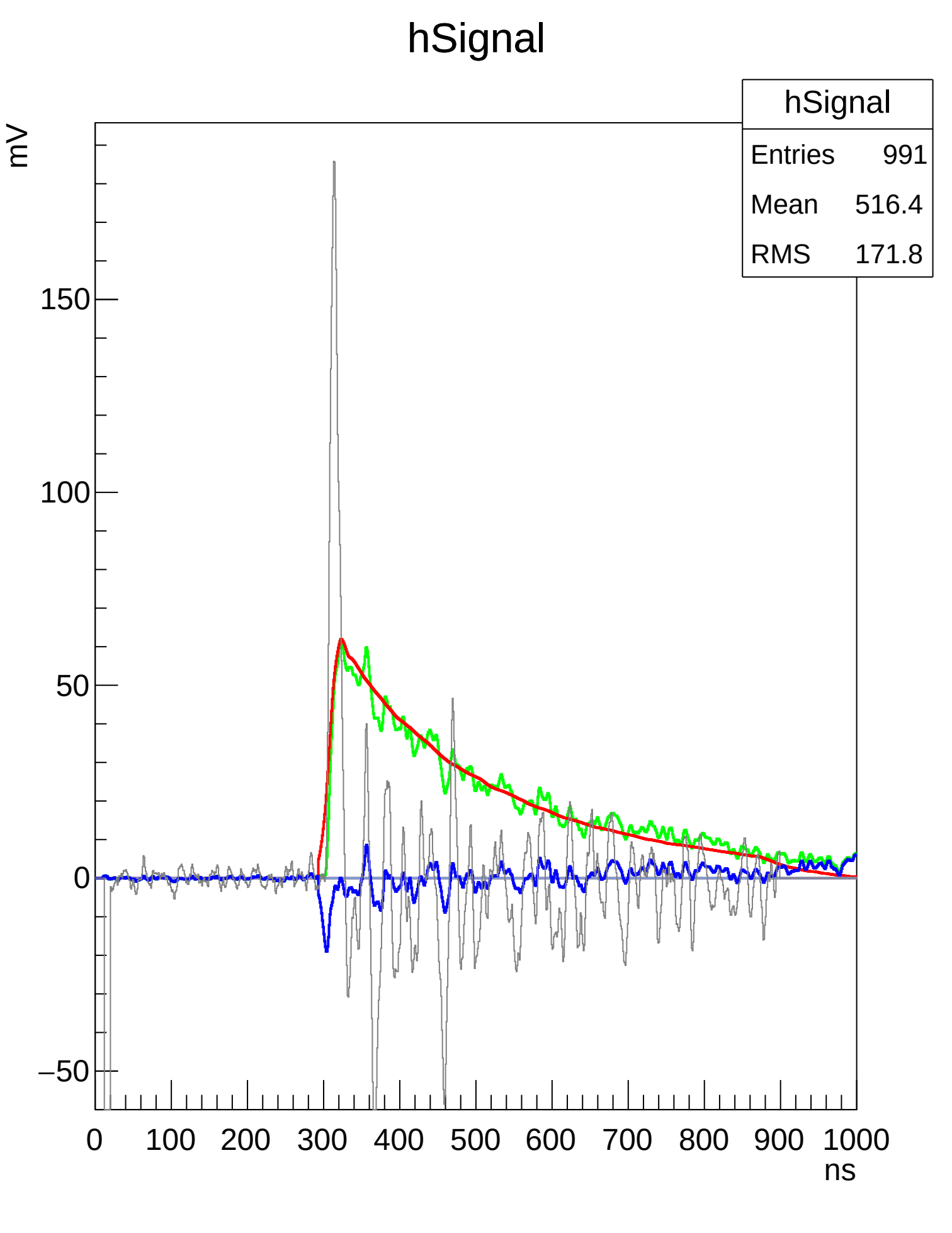

hSignal
hSignal
Entries 991
Mean 525.1
RMS 168.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

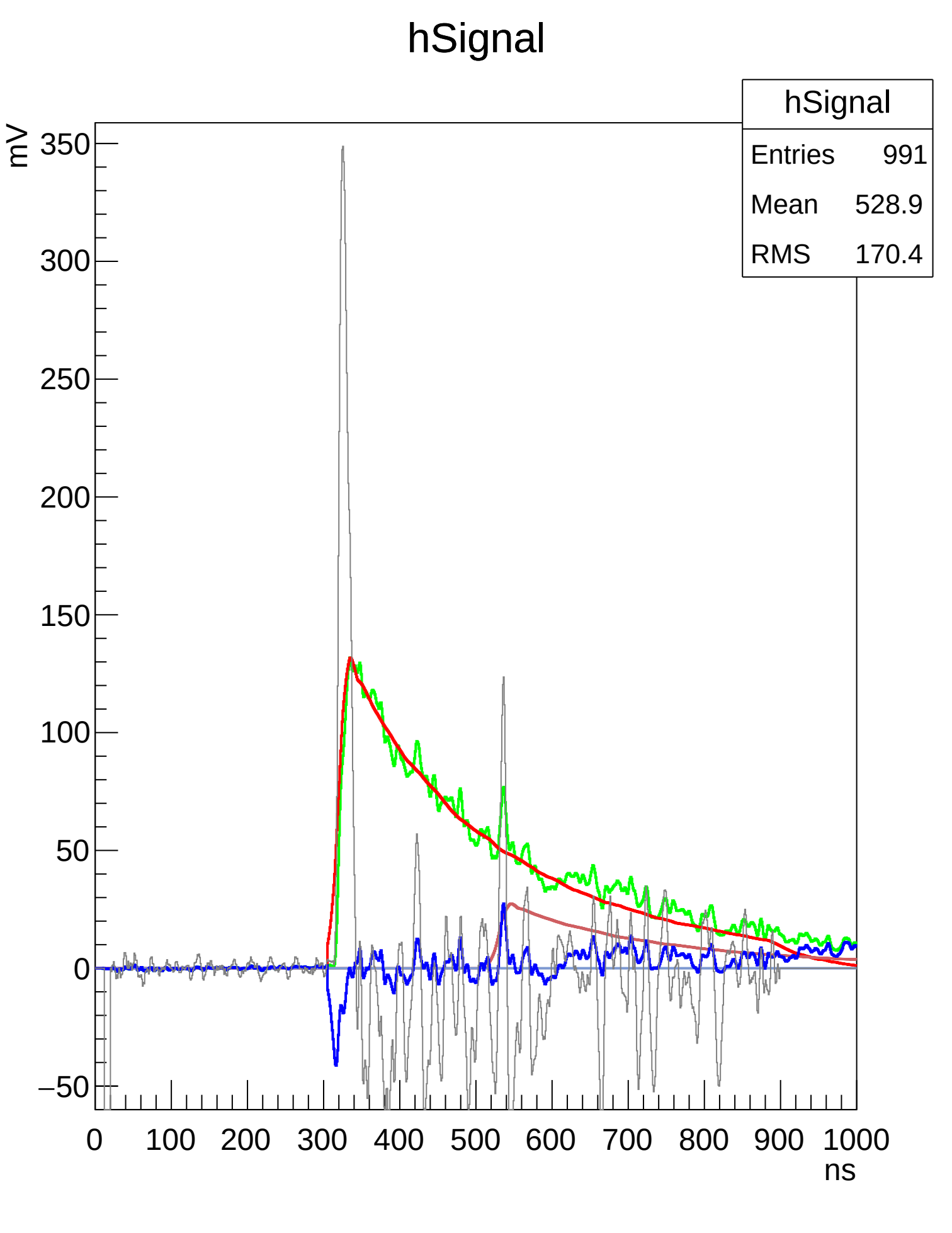

hSignal
hSignal
Entries 991
Mean 486.8
RMS 182.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

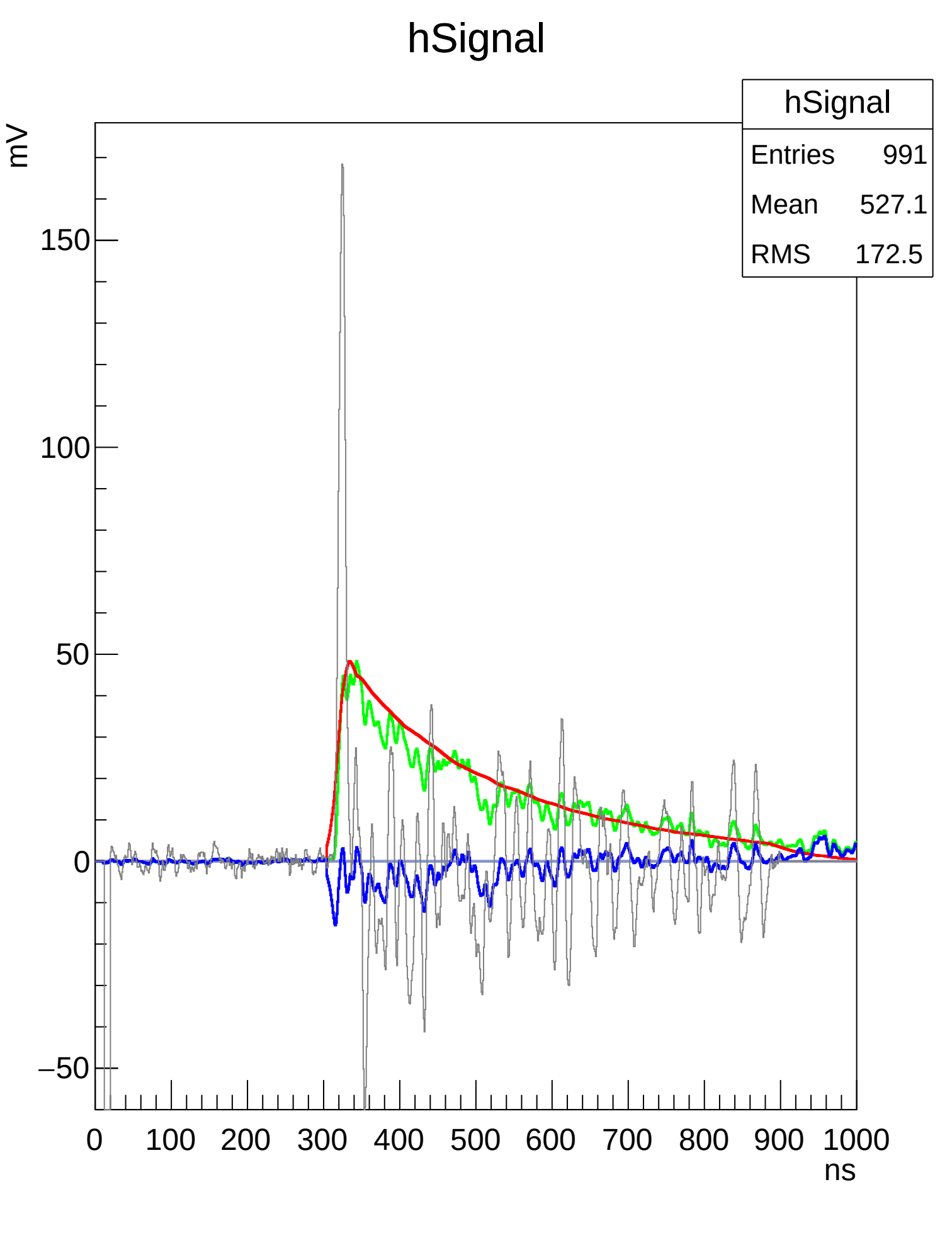

hSignal
hSignal
Entries 991
Mean 493.4
RMS 172.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

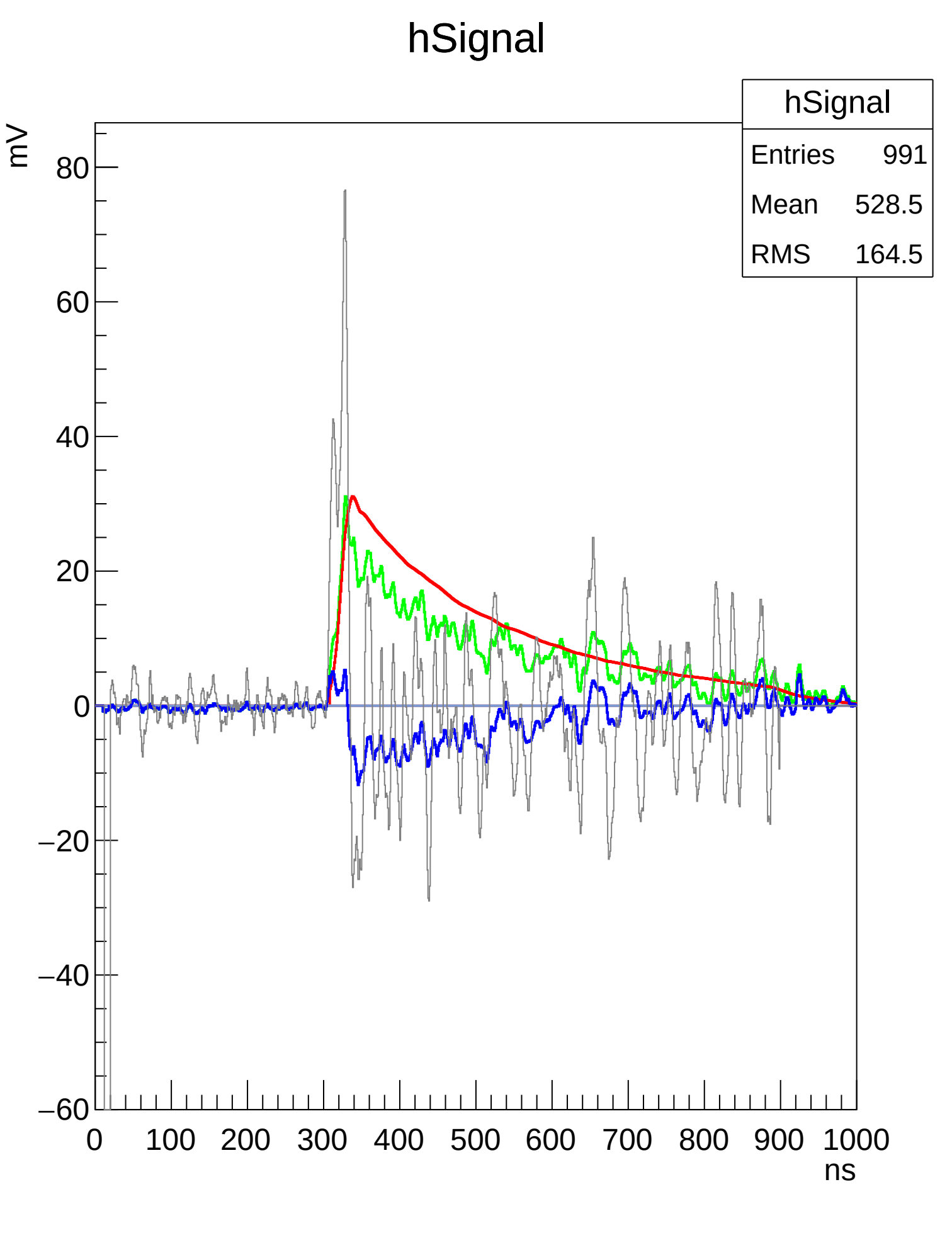

hSignal
hSignal
Entries 991
Mean 562
RMS 152.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

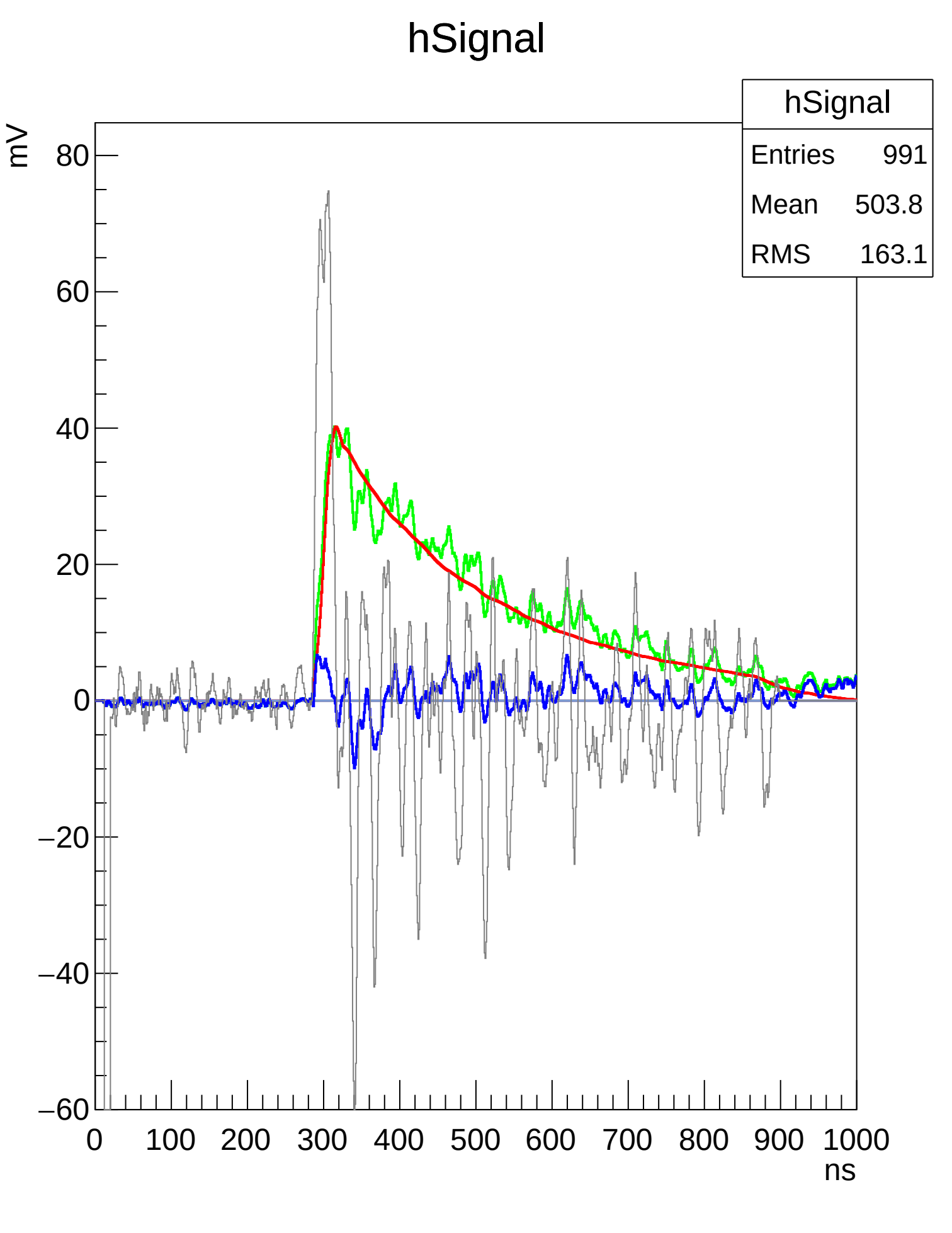

hSignal
hSignal
Entries 991
Mean 518.2
RMS 172.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

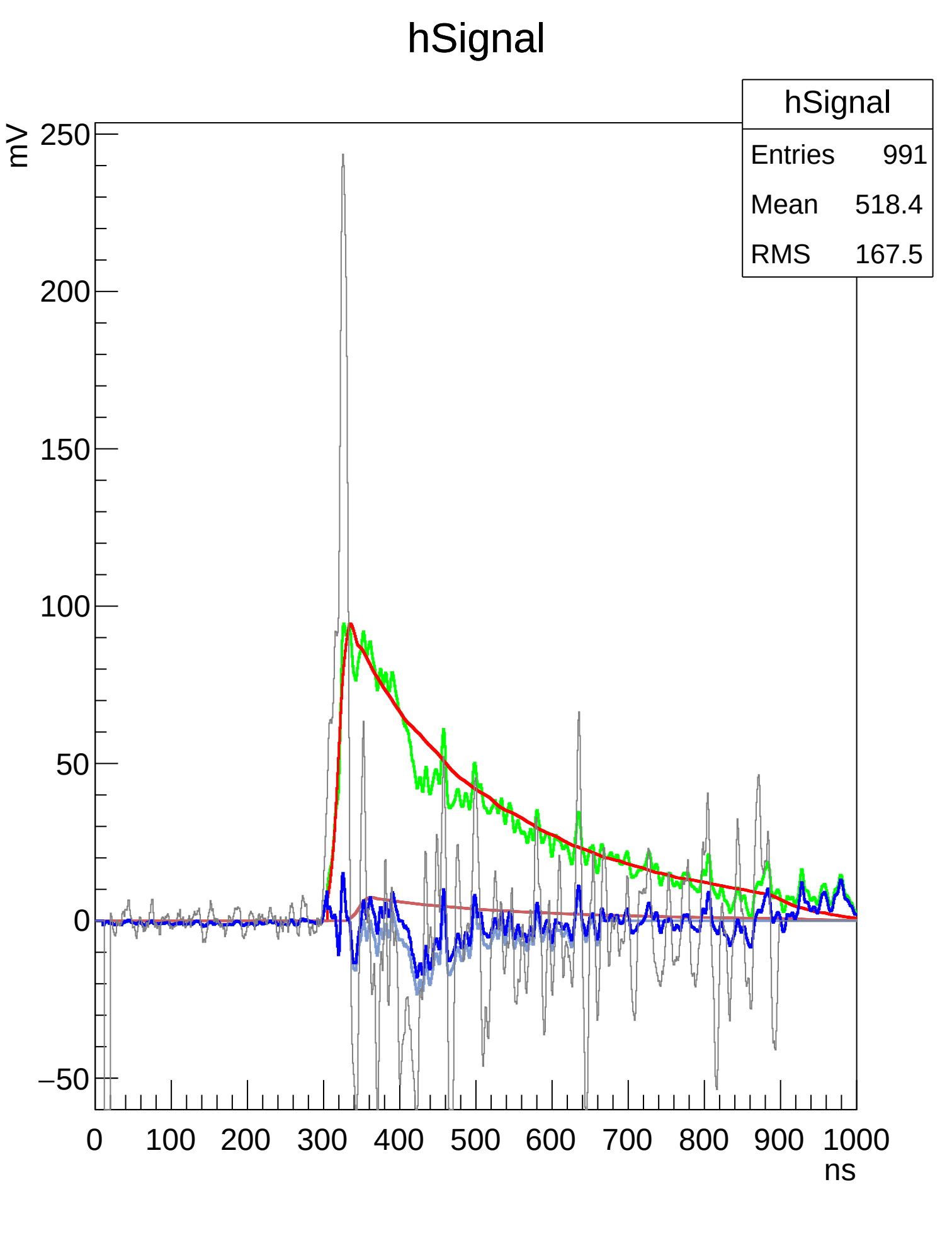

hSignal
hSignal
Entries 991
Mean 516.4
RMS 171.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

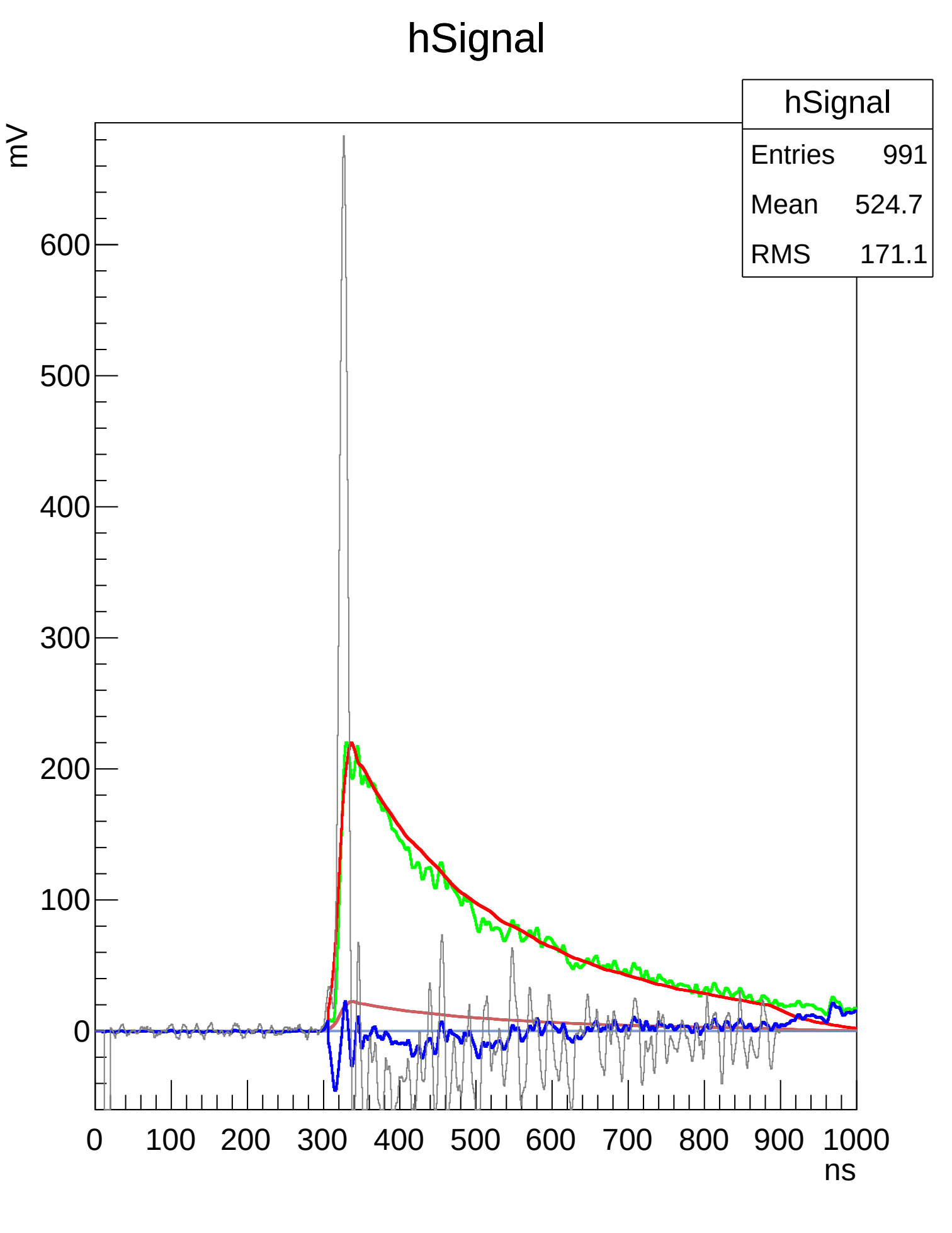

hSignal
hSignal
Entries 991
Mean 528.9
RMS 170.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

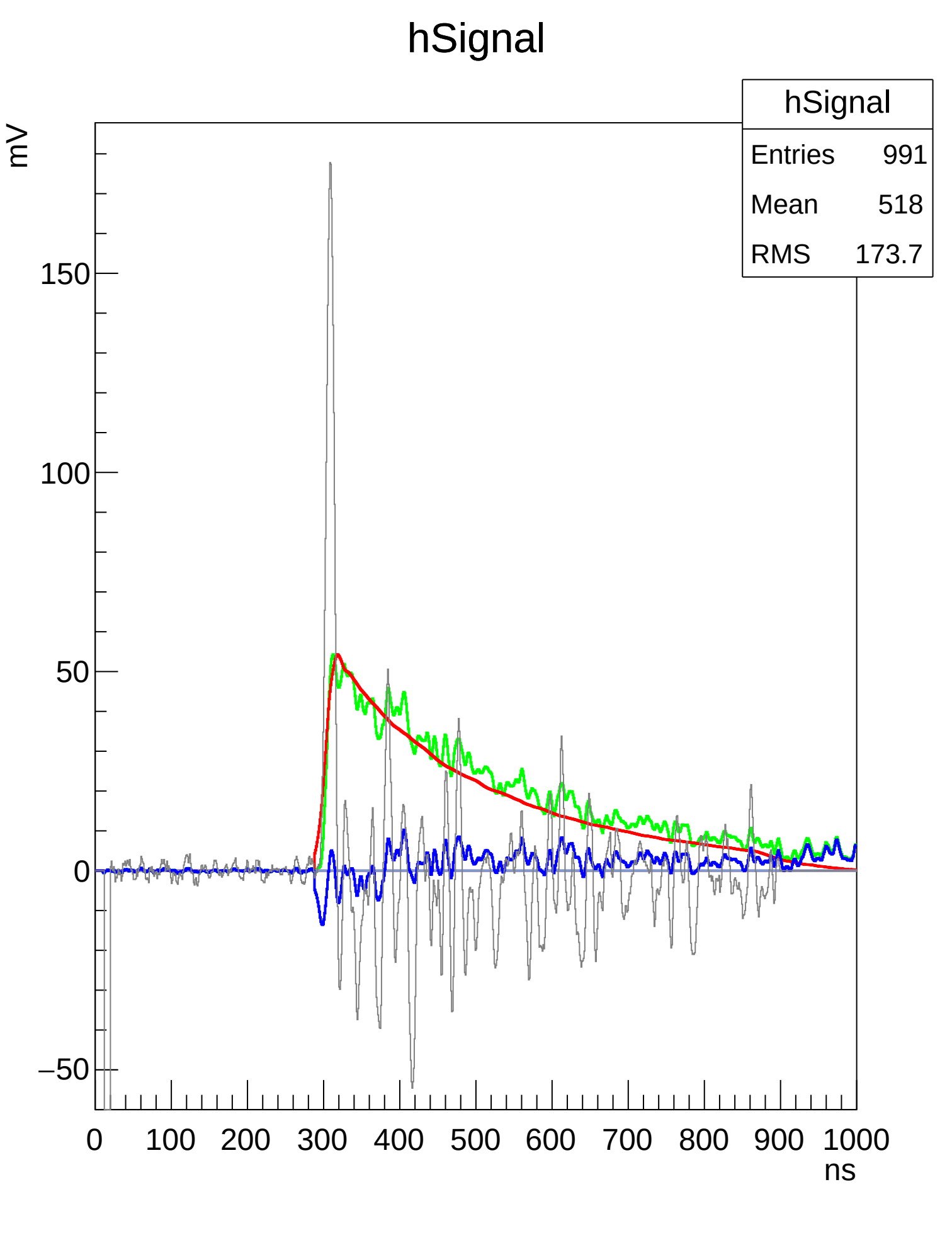

hSignal
hSignal
Entries 991
Mean 527.1
RMS 172.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

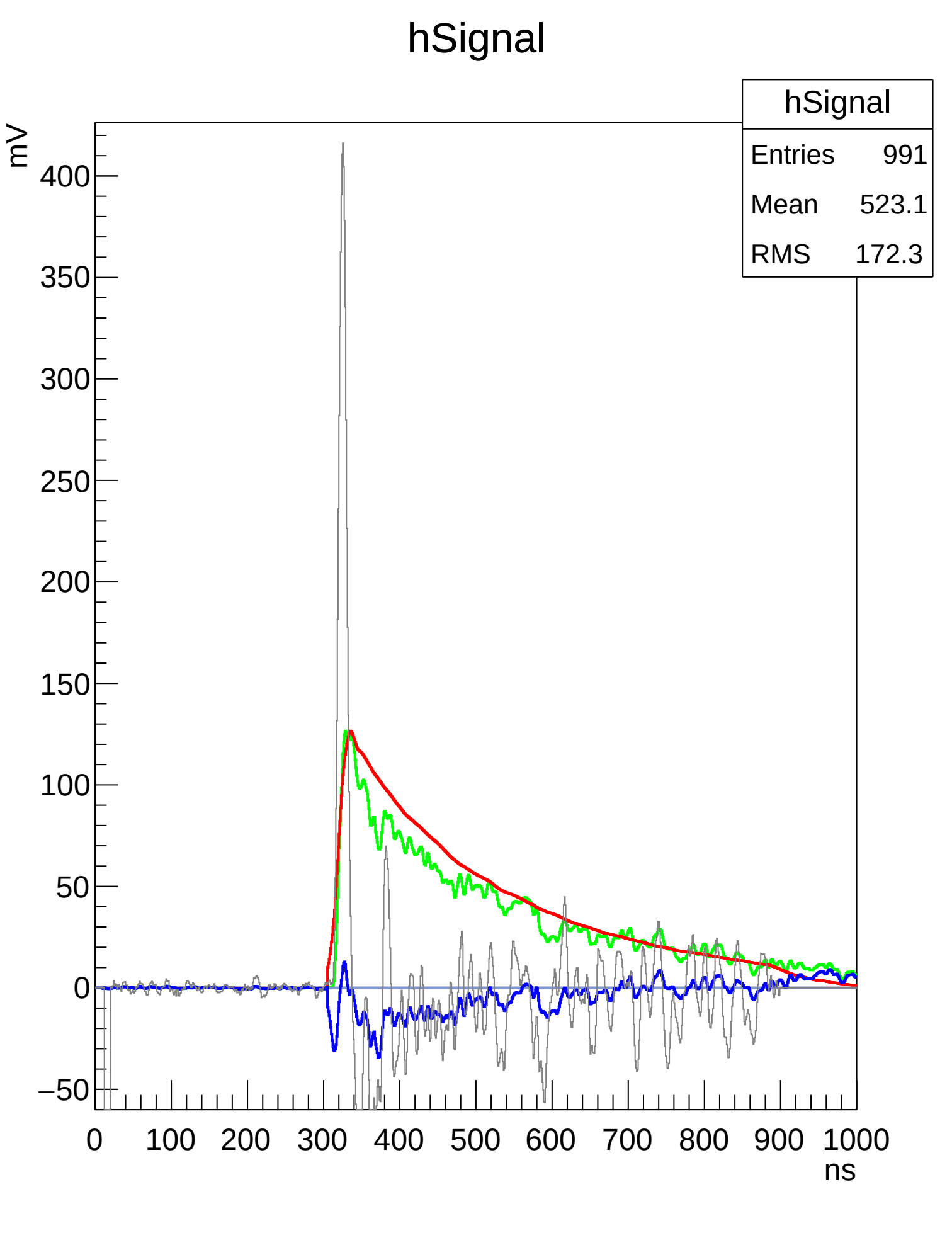

hSignal
hSignal
Entries 991
Mean 528.5
RMS 164.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

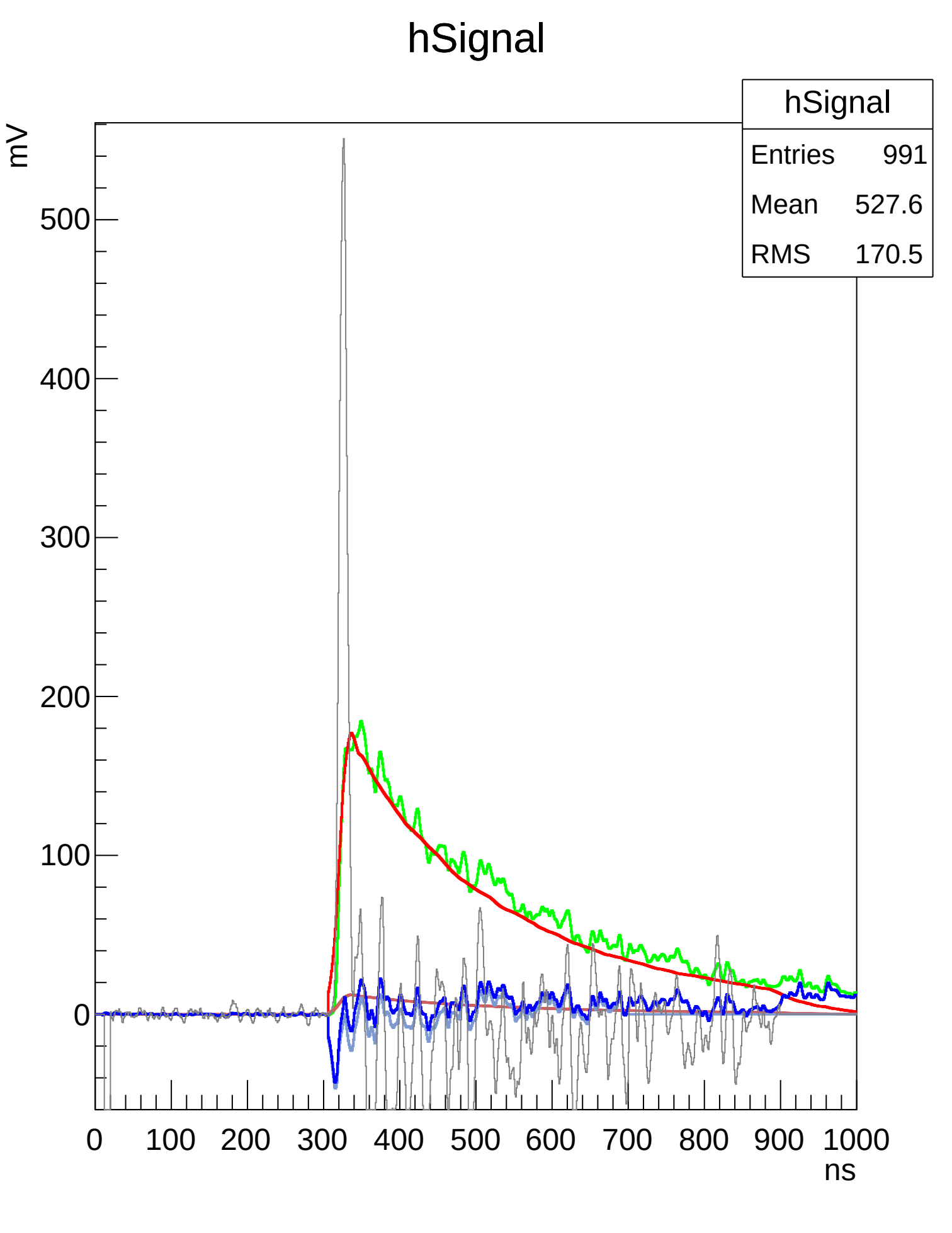

hSignal
hSignal
Entries 991
Mean 503.8
RMS 163.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

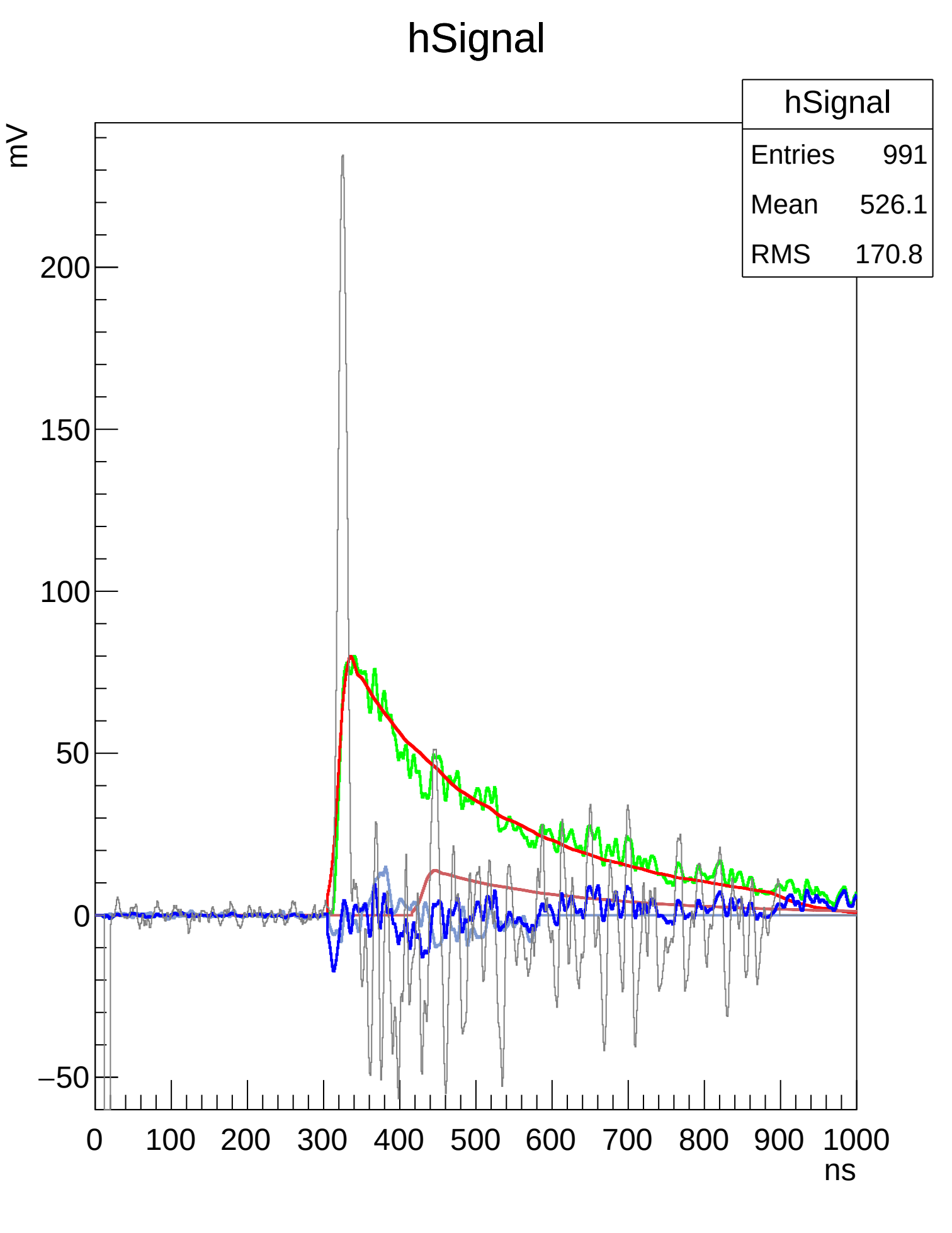

hSignal
hSignal
Entries 991
Mean 518.4
RMS 167.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

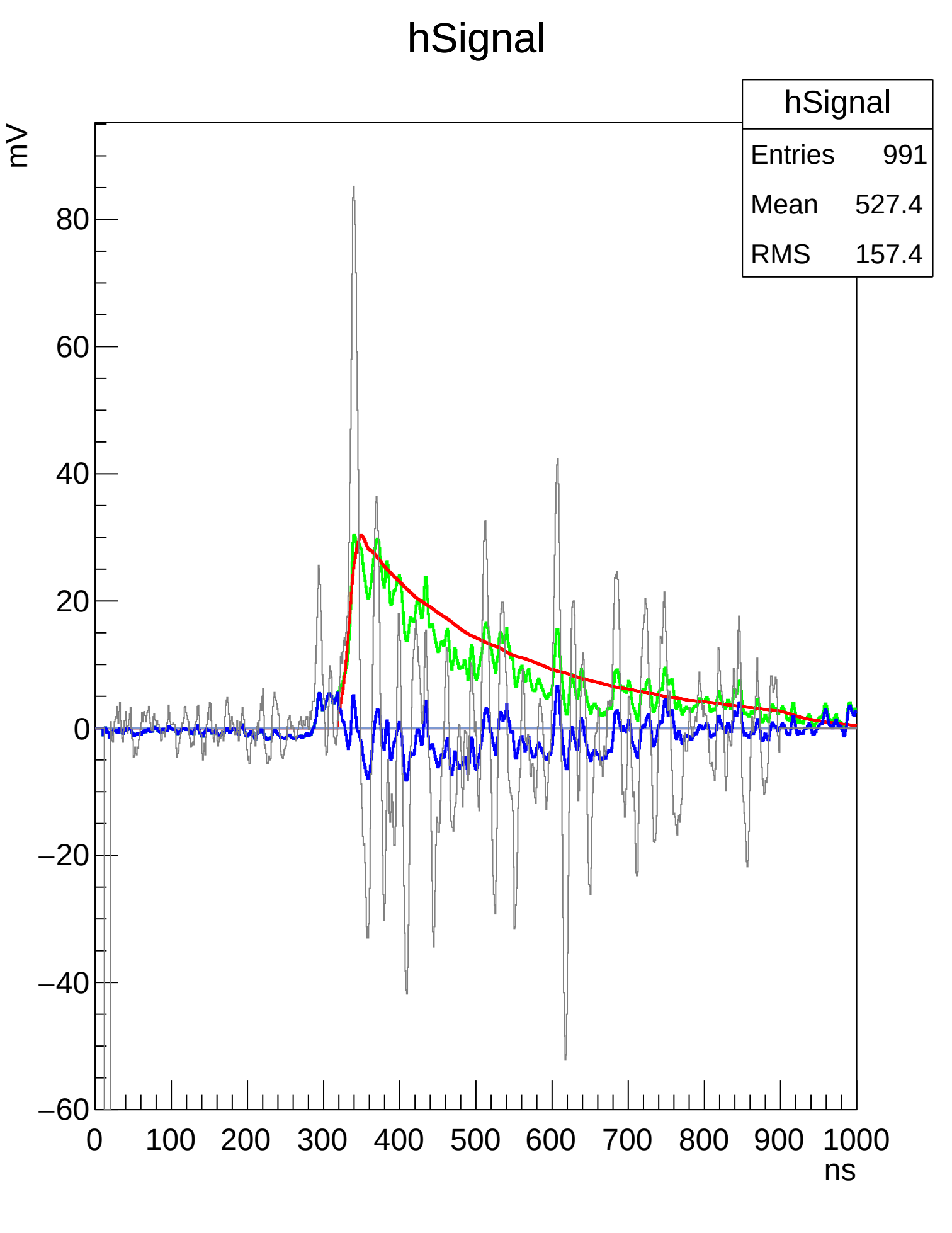

hSignal
hSignal
Entries 991
Mean 524.7
RMS 171.1
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

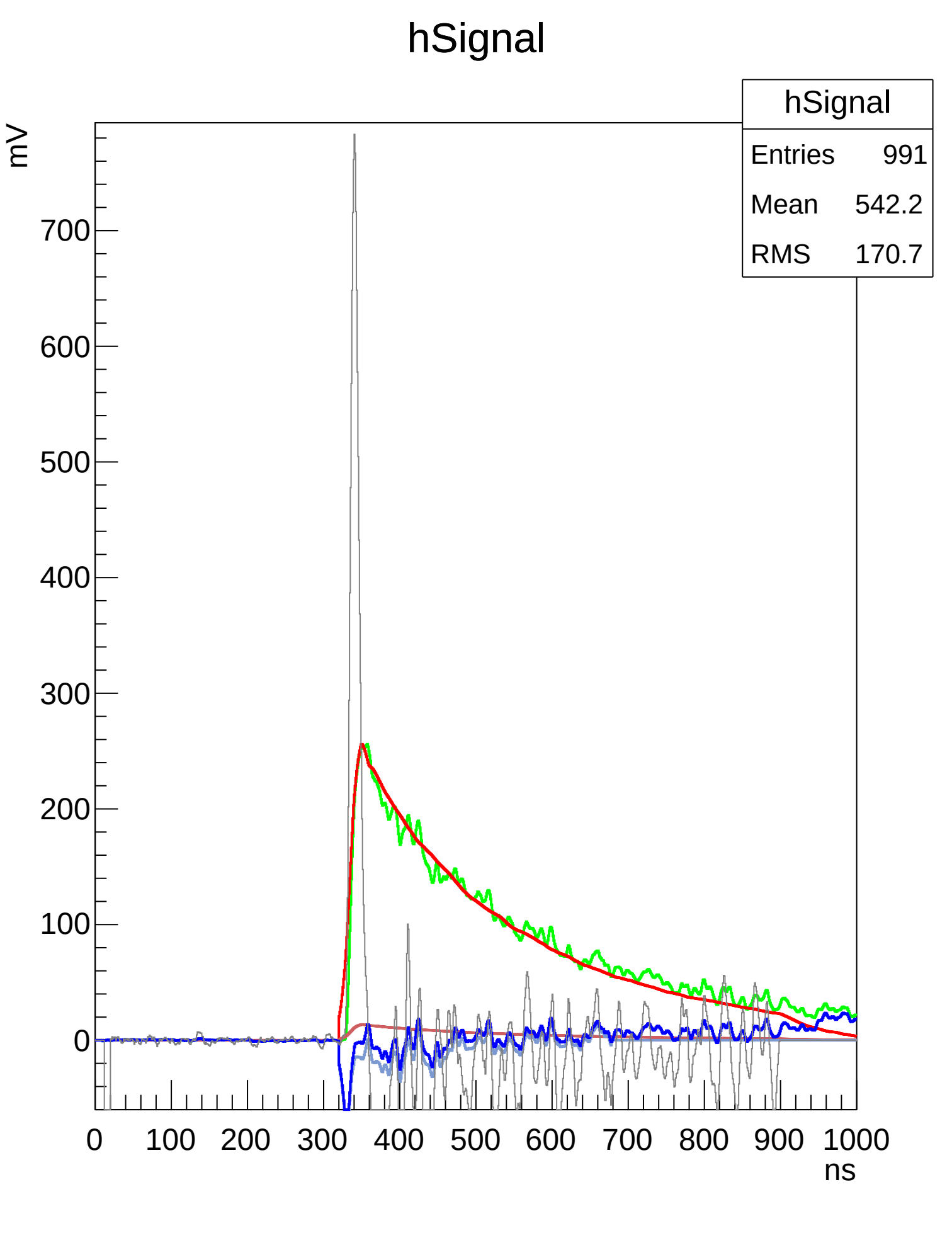

hSignal
hSignal
Entries 991
Mean 518
RMS 173.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

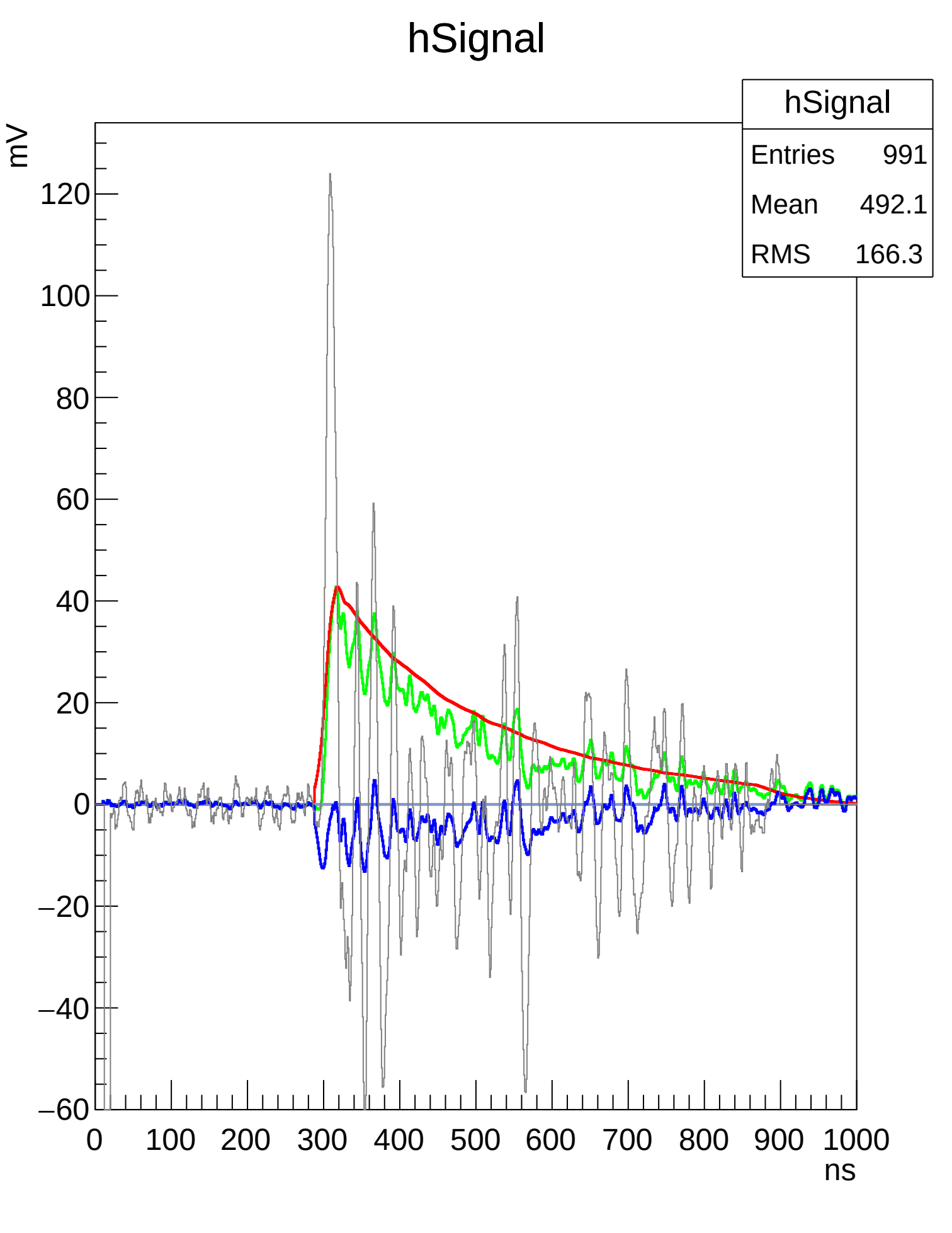

hSignal
hSignal
Entries 991
Mean 523.1
RMS 172.3
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

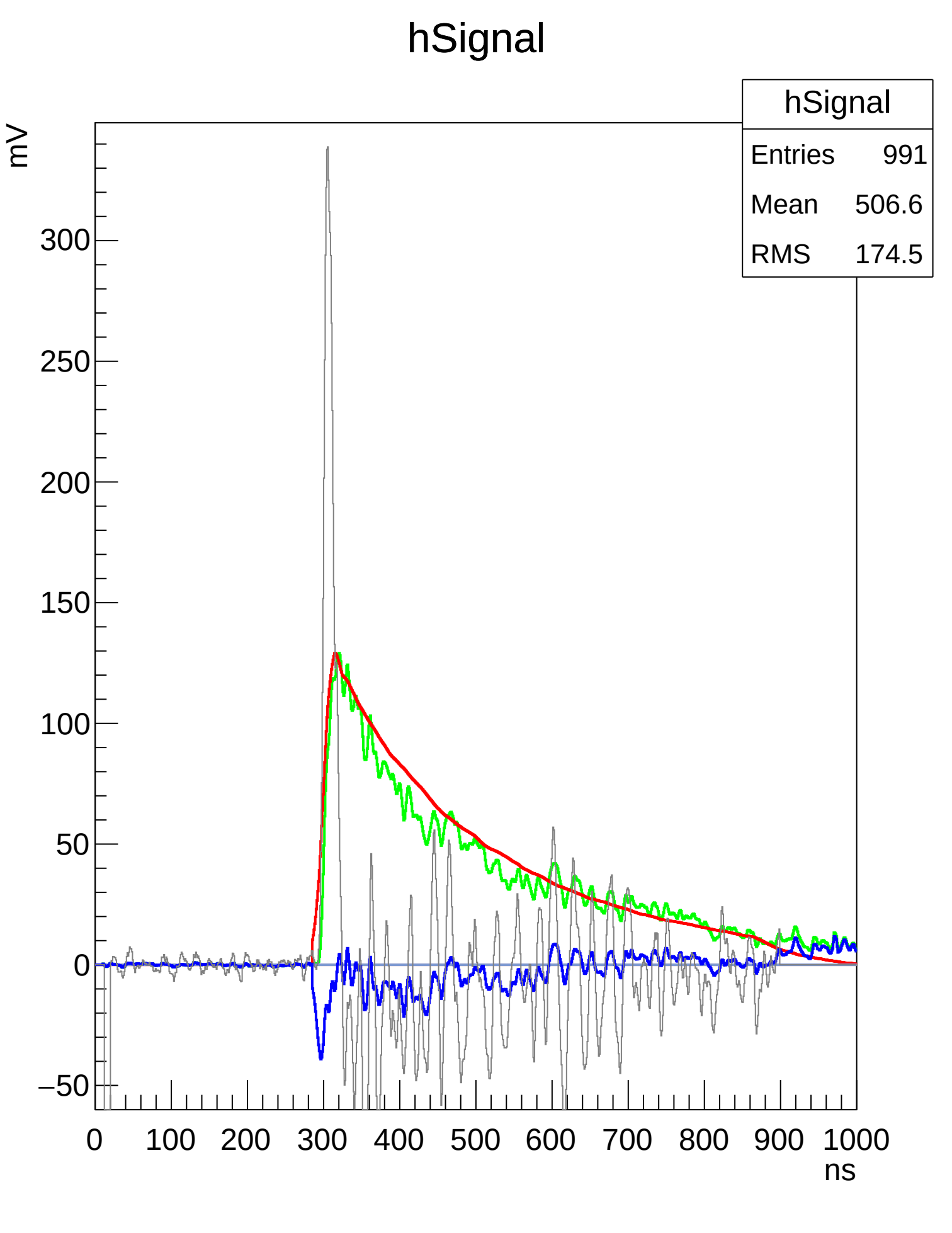

hSignal
hSignal
Entries 991
Mean 527.6
RMS 170.5
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

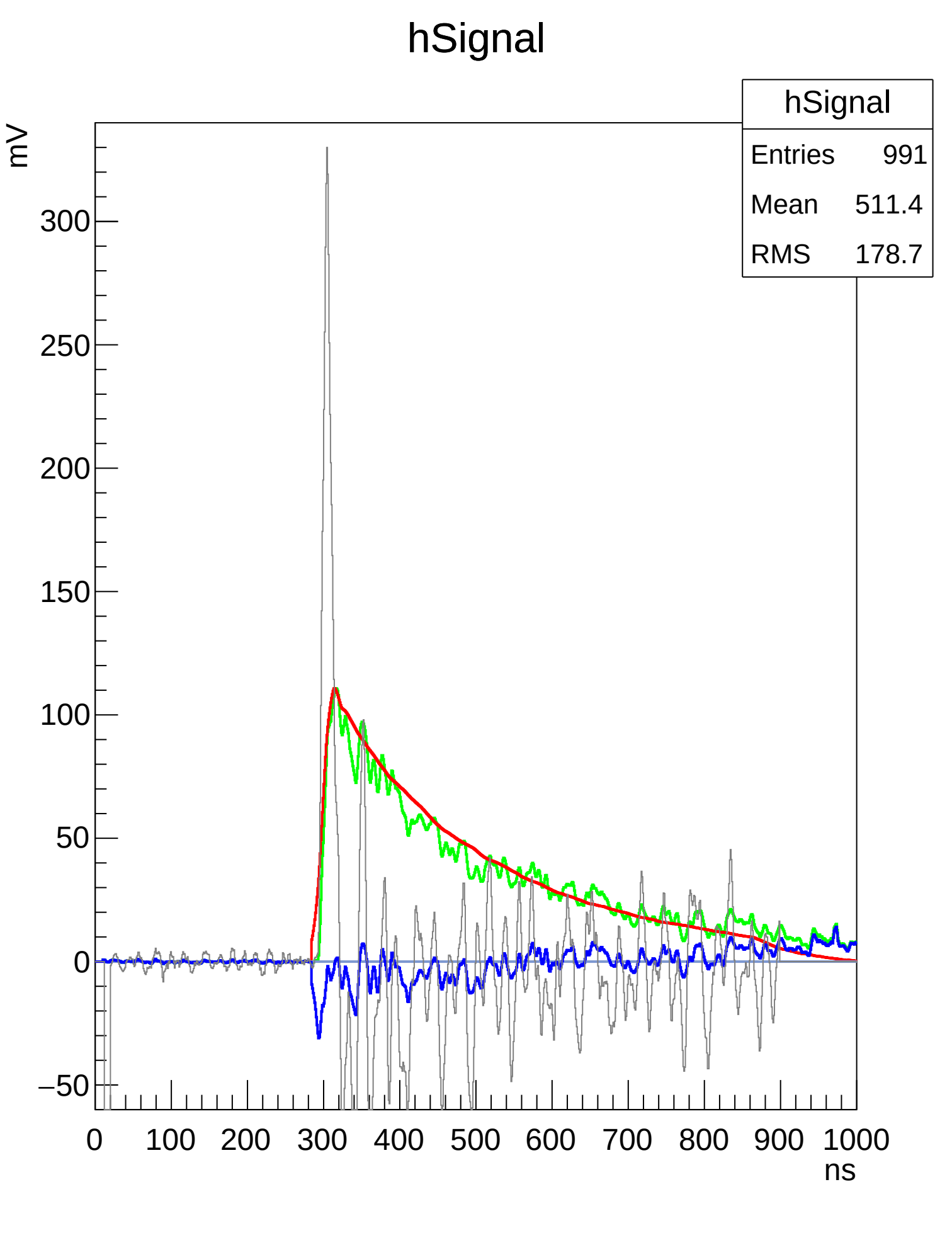

hSignal
hSignal
Entries 991
Mean 526.1
RMS 170.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

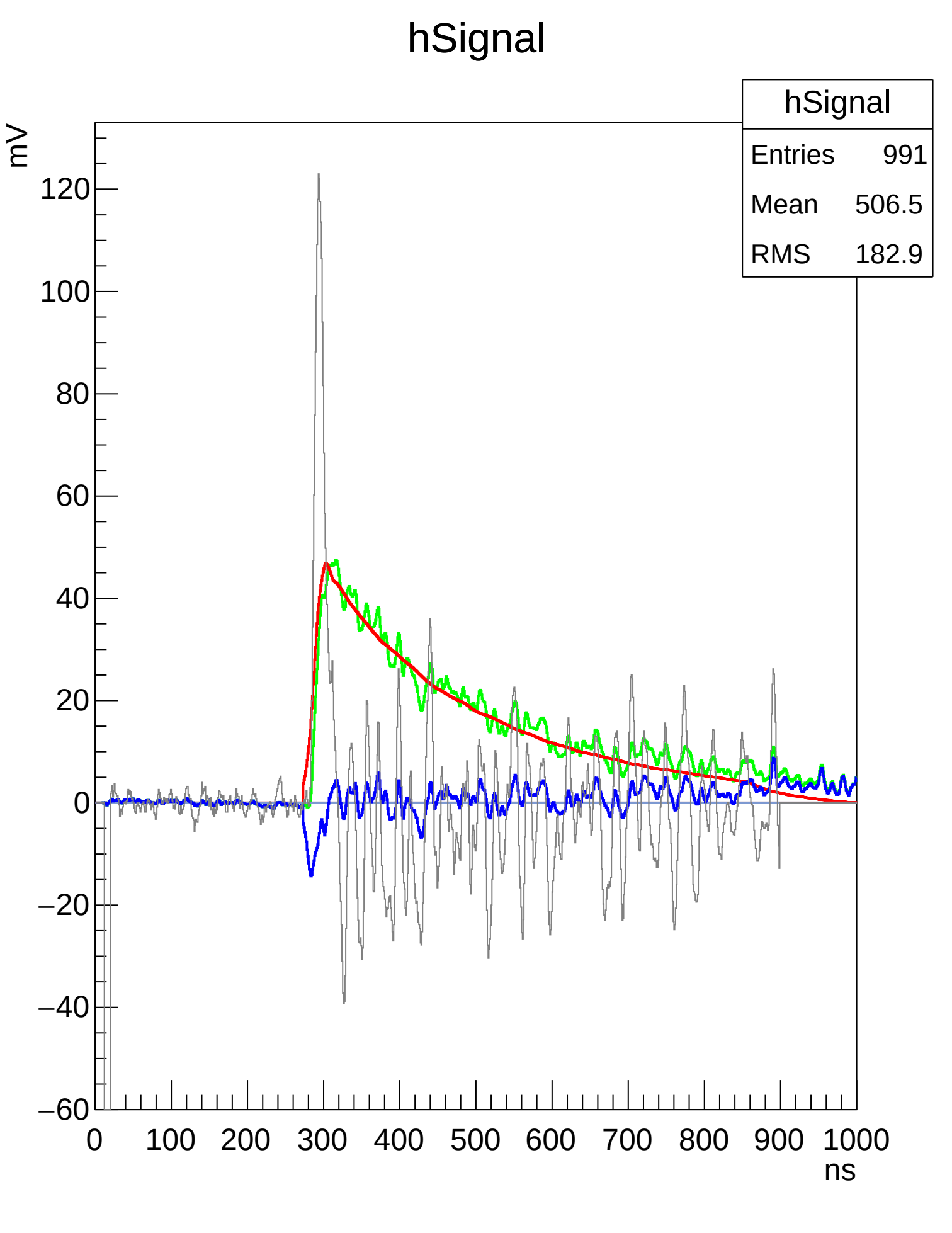

hSignal
hSignal
Entries 991
Mean 527.4
RMS 157.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

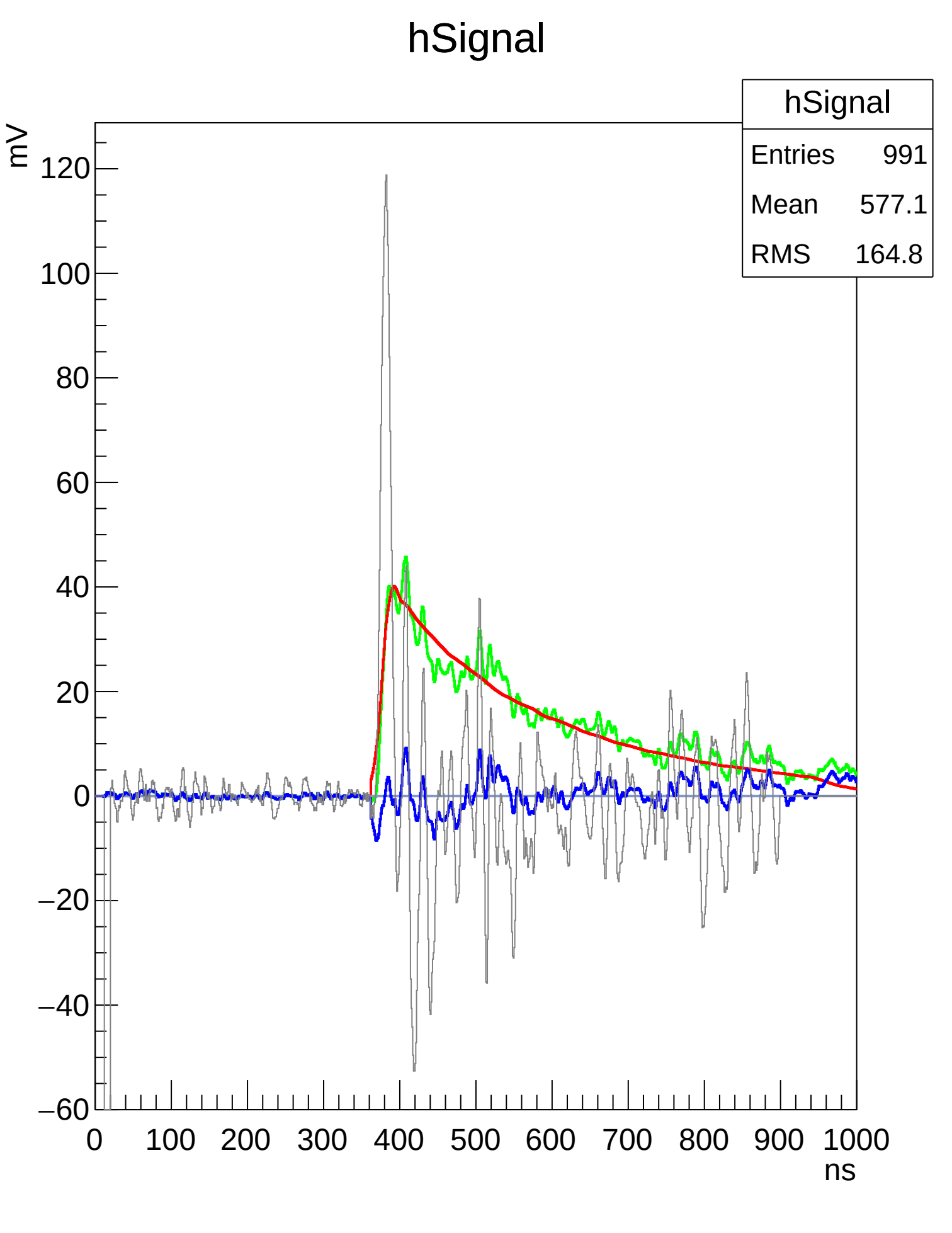

hSignal
hSignal
Entries 991
Mean 542.2
RMS 170.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

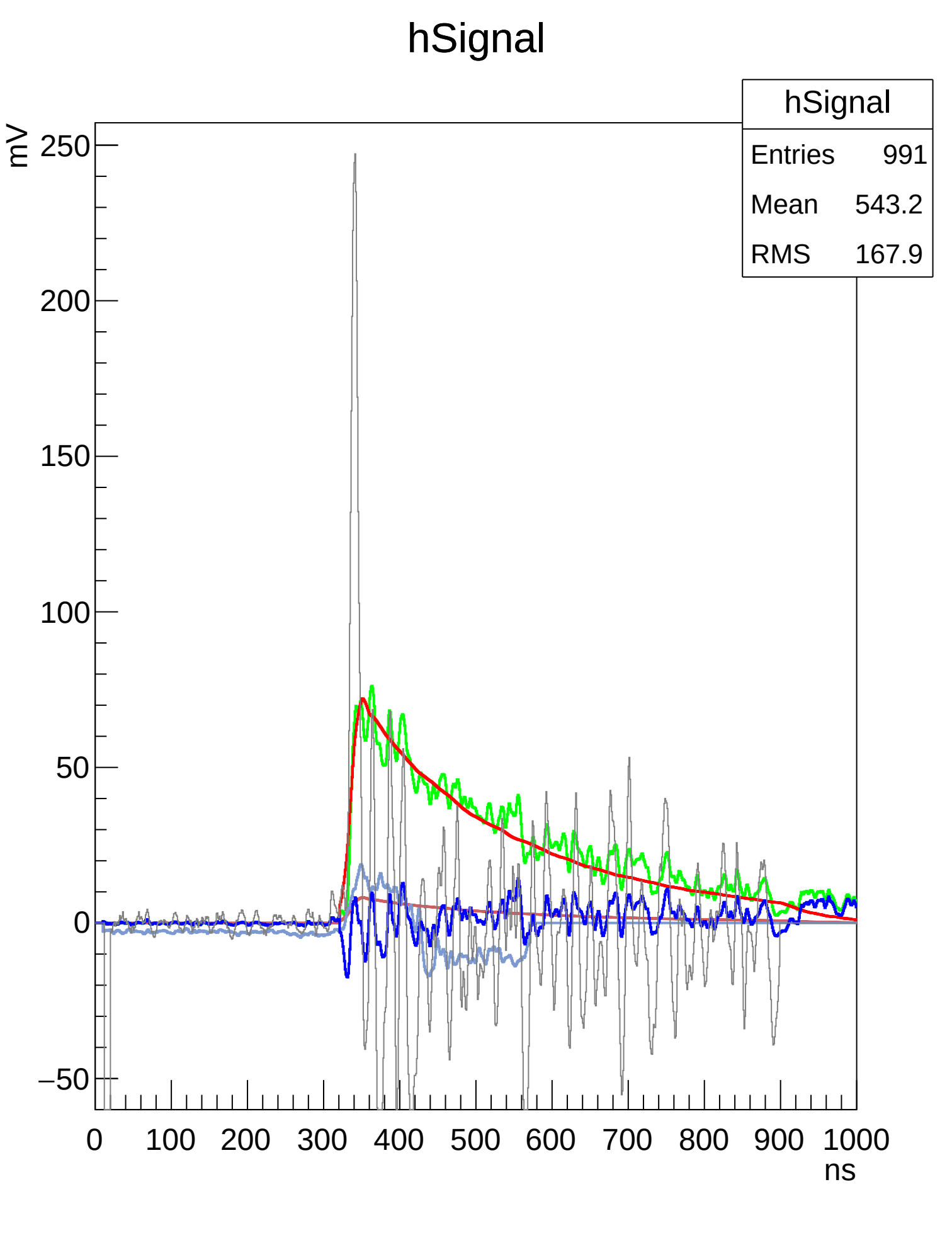

hSignal
hSignal
Entries 991
Mean 492.1
RMS 166.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

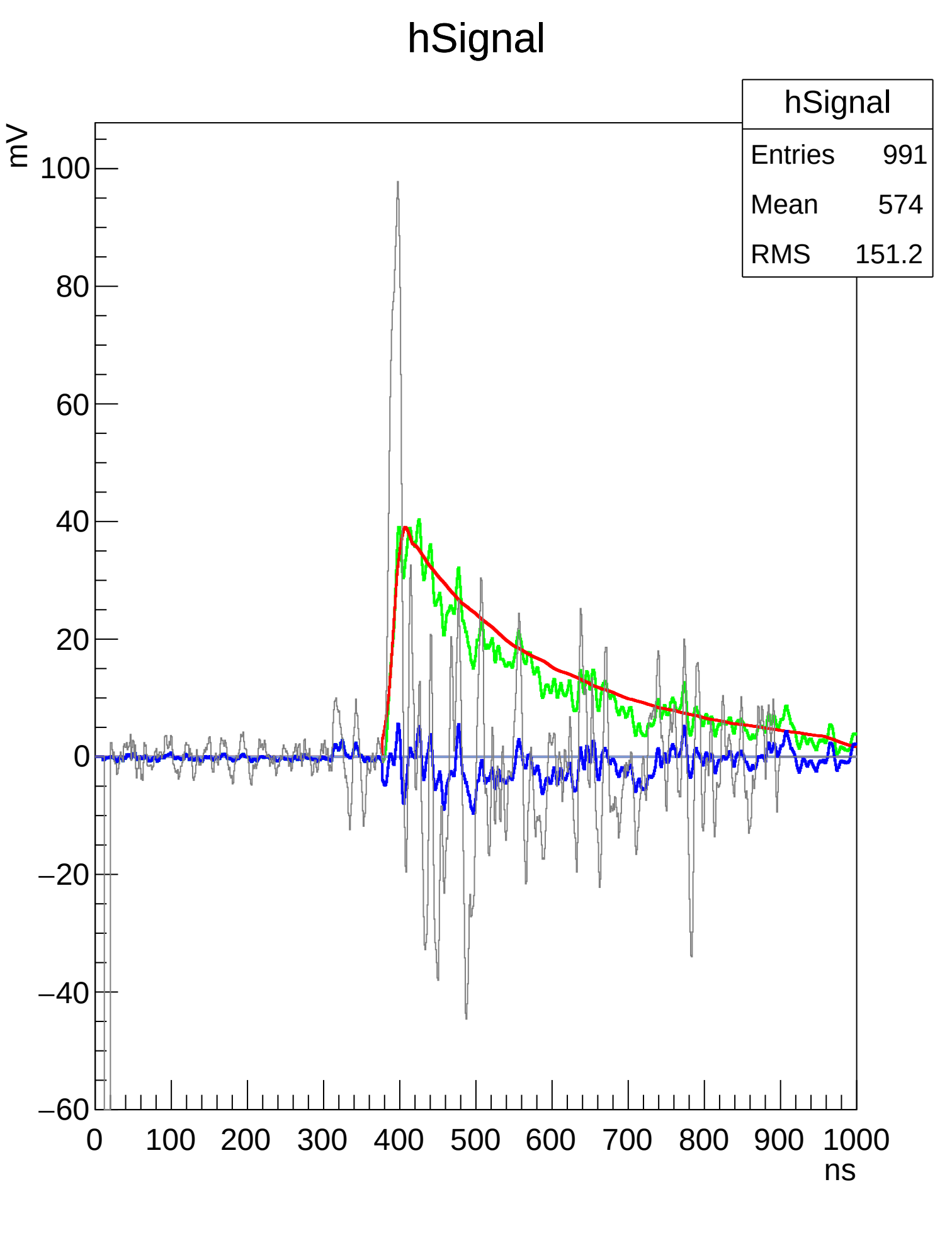

hSignal
hSignal
Entries 991
Mean 506.6
RMS 174.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

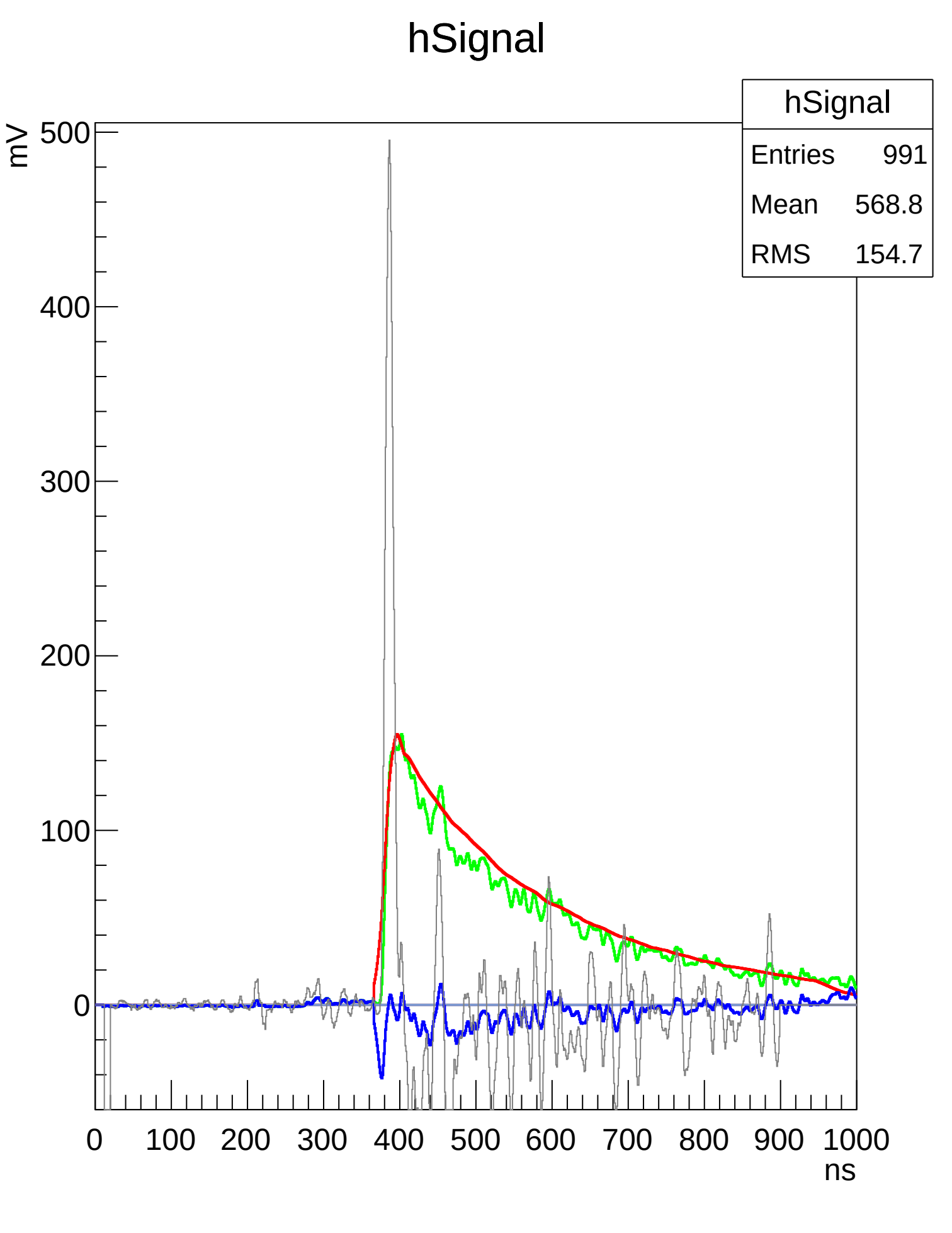

hSignal
hSignal
Entries 991
Mean 511.4
RMS 178.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

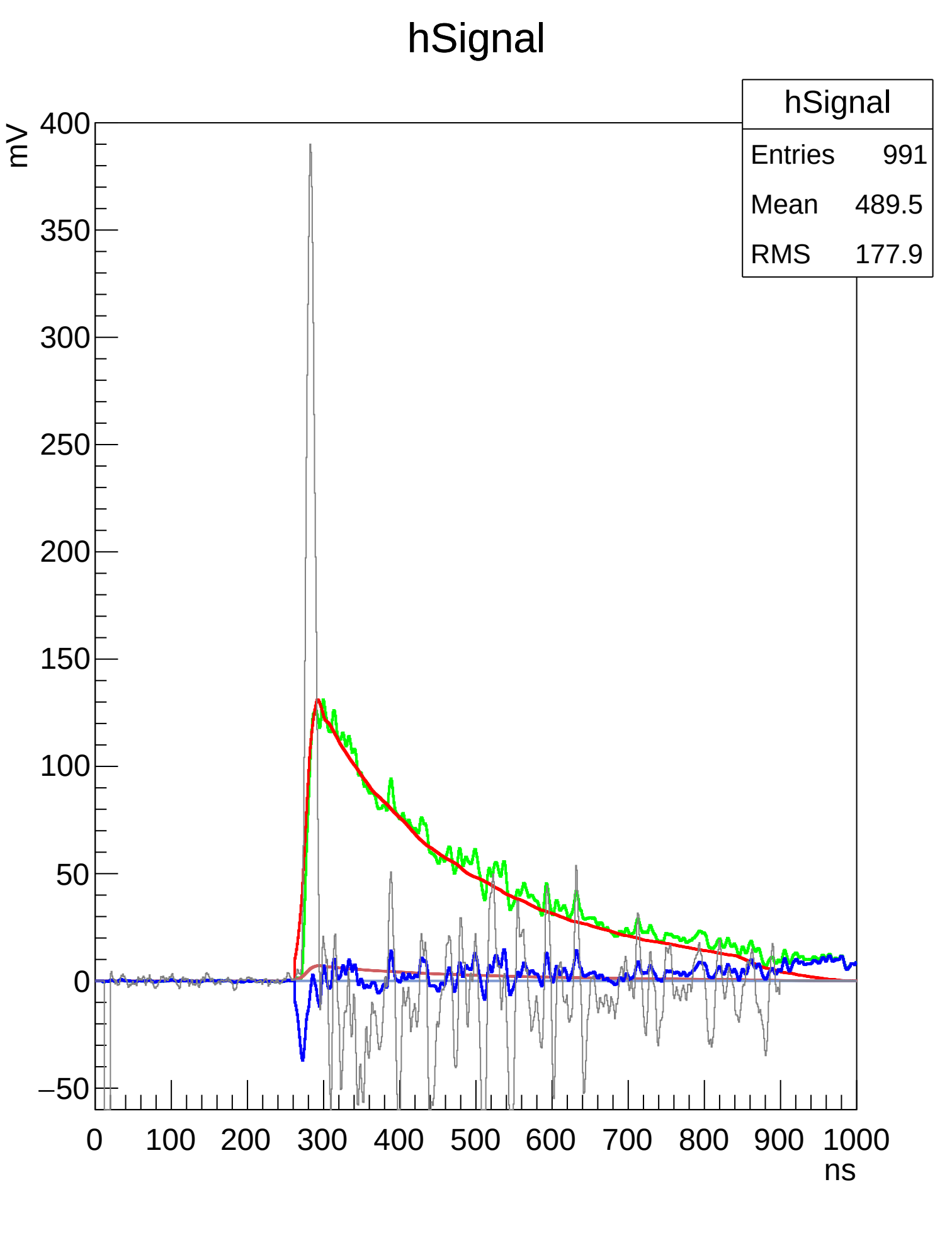

hSignal
hSignal
Entries 991
Mean 506.5
RMS 182.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

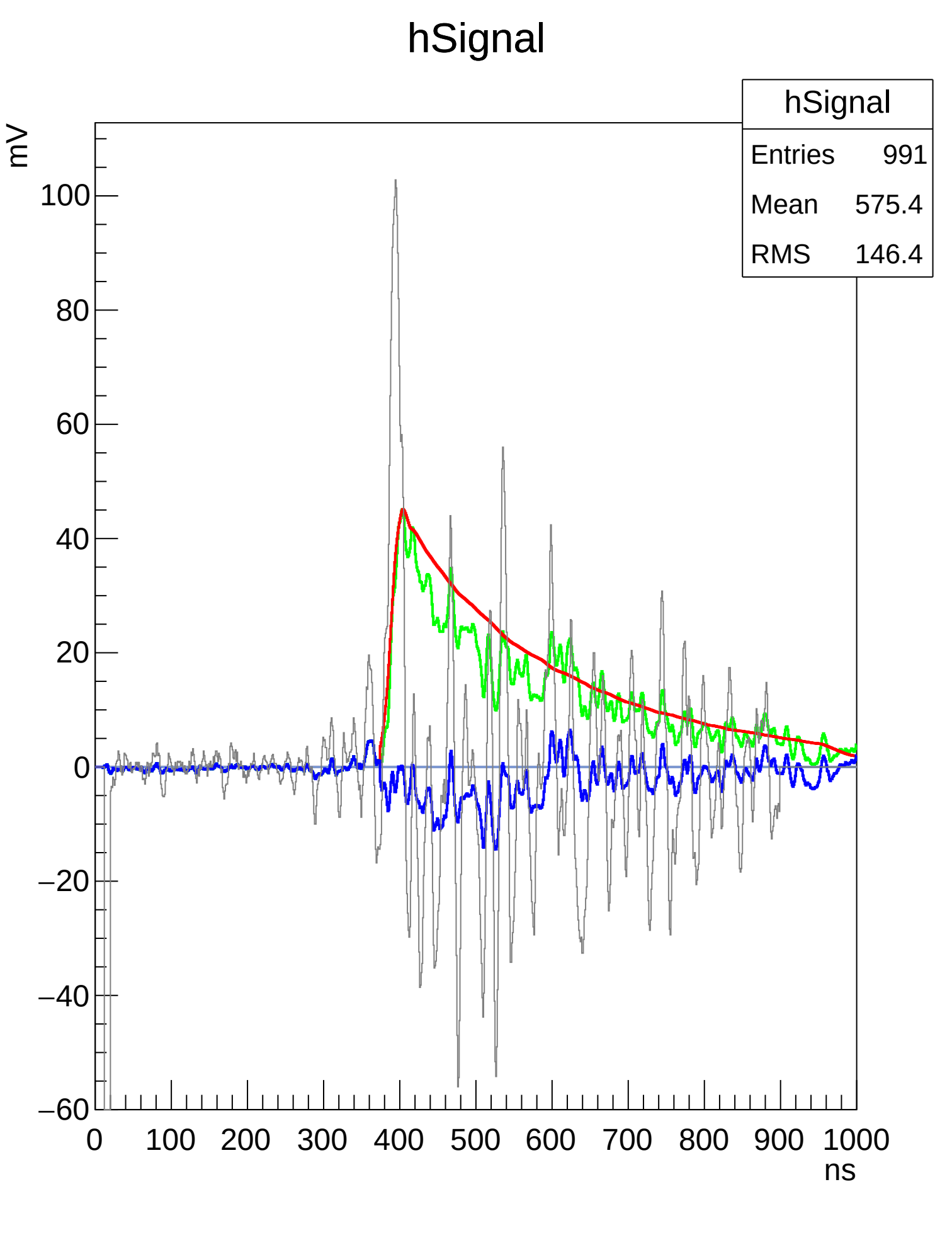

hSignal
hSignal
Entries 991
Mean 577.1
RMS 164.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

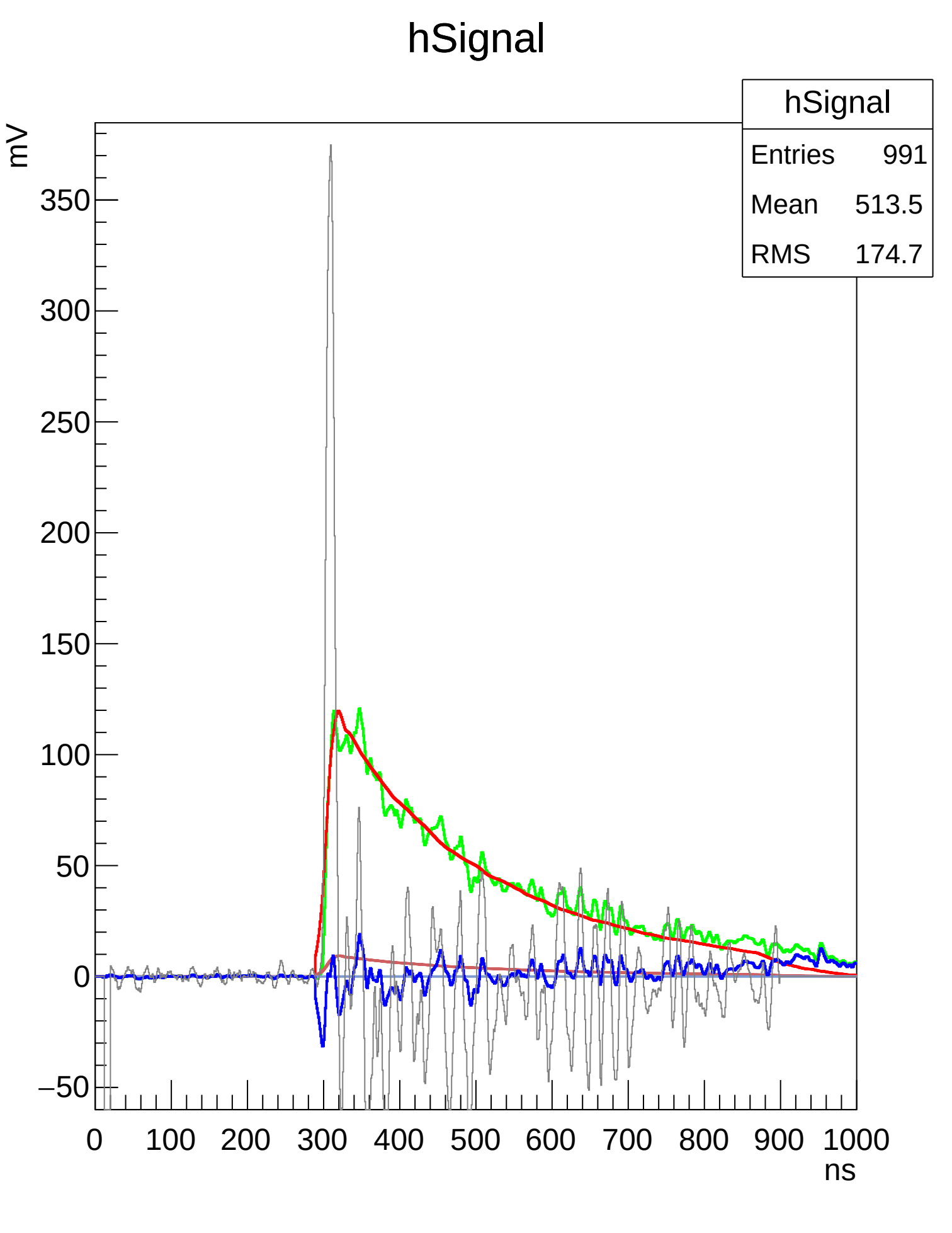

hSignal
hSignal
Entries 991
Mean 543.2
RMS 167.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

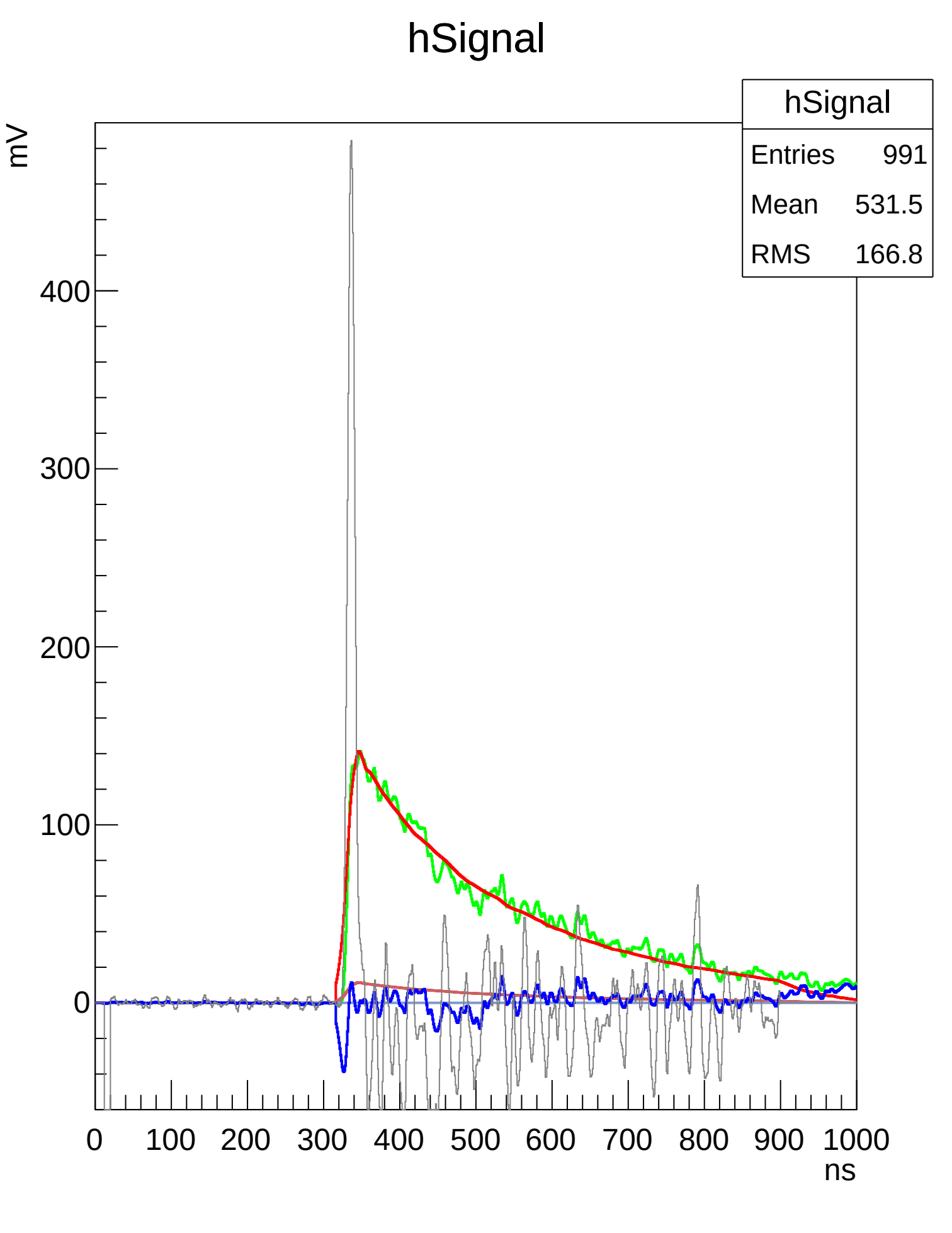

hSignal
hSignal
Entries 991
Mean 574
RMS 151.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

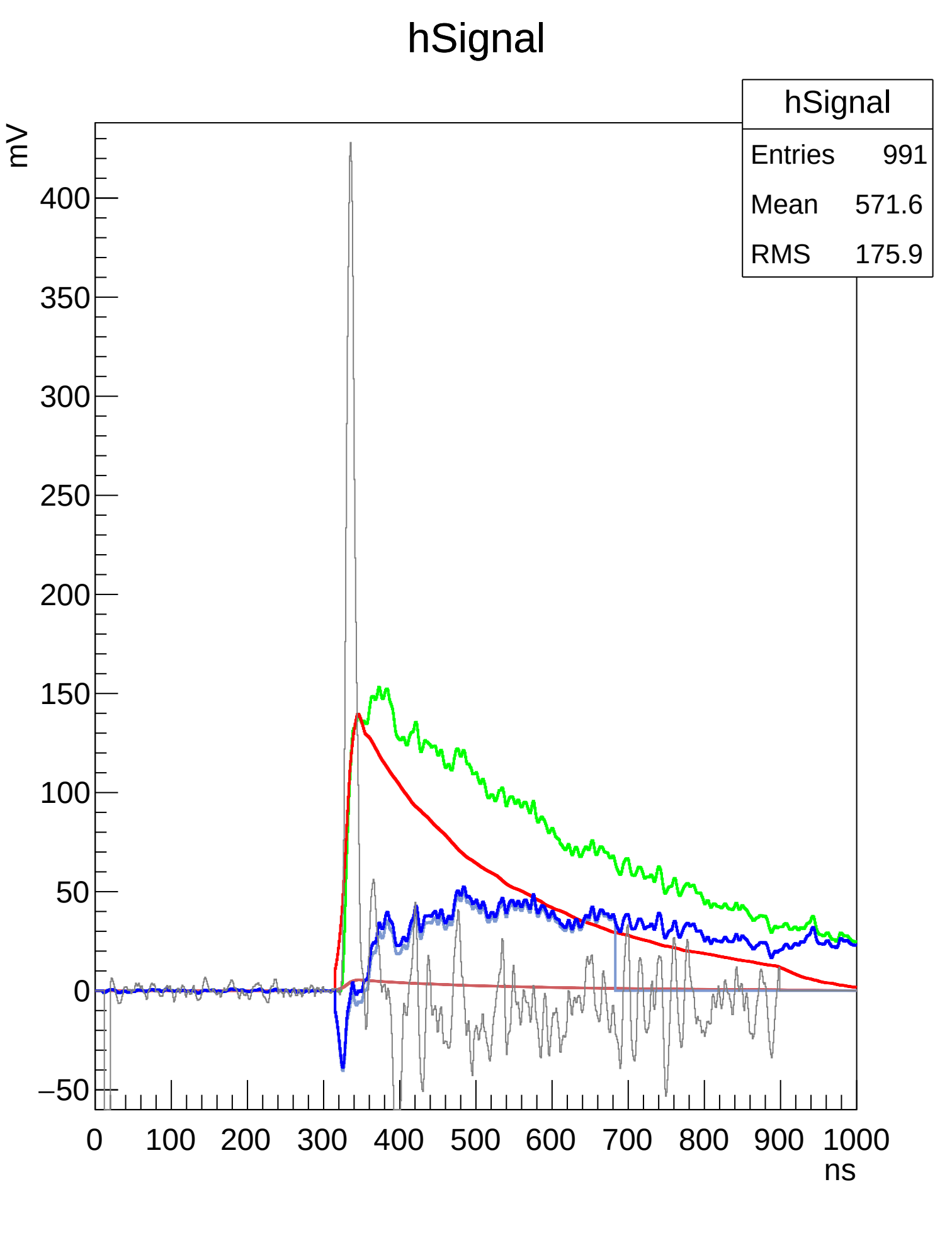

hSignal
hSignal
Entries 991
Mean 568.8
RMS 154.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

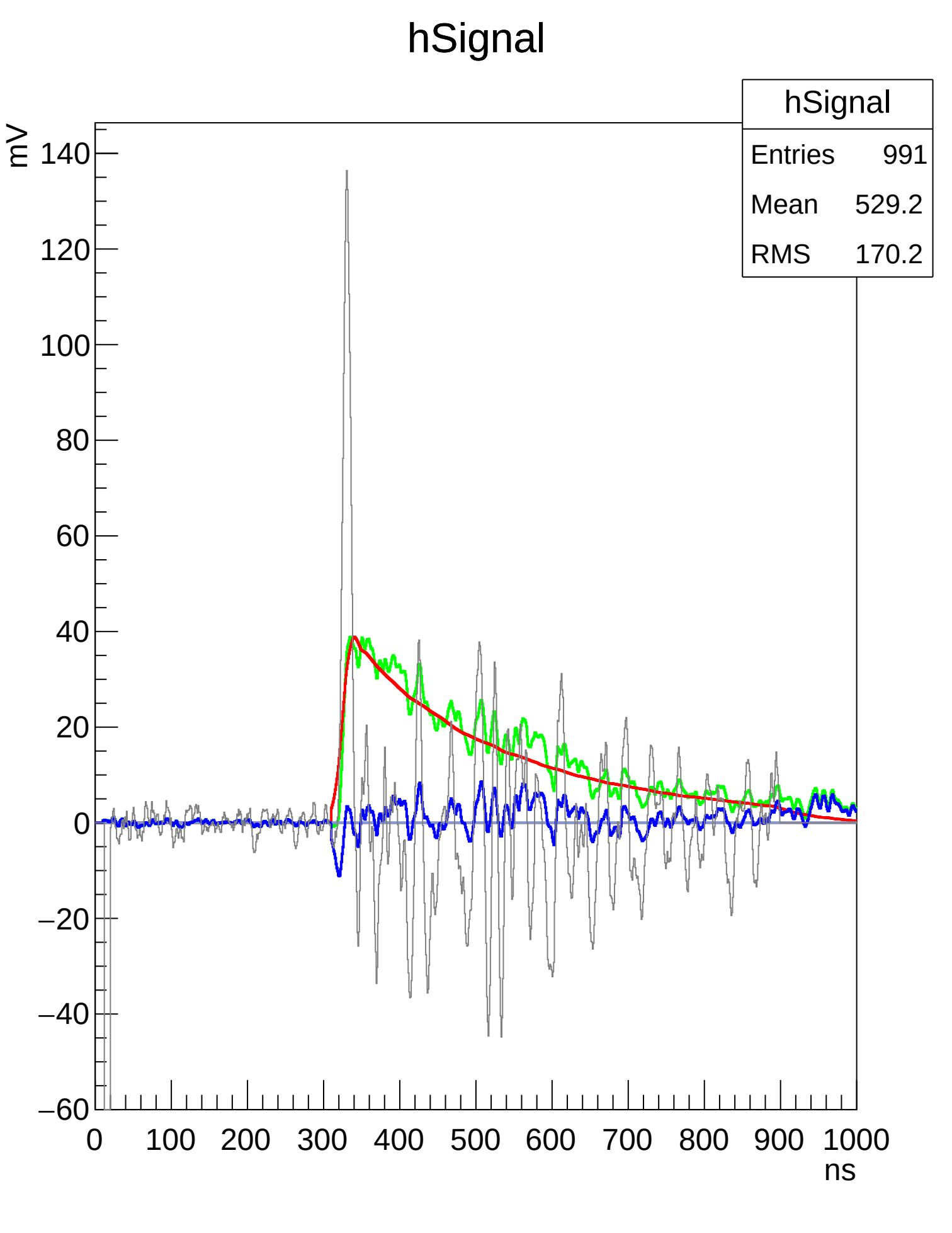

hSignal
hSignal
Entries 991
Mean 489.5
RMS 177.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

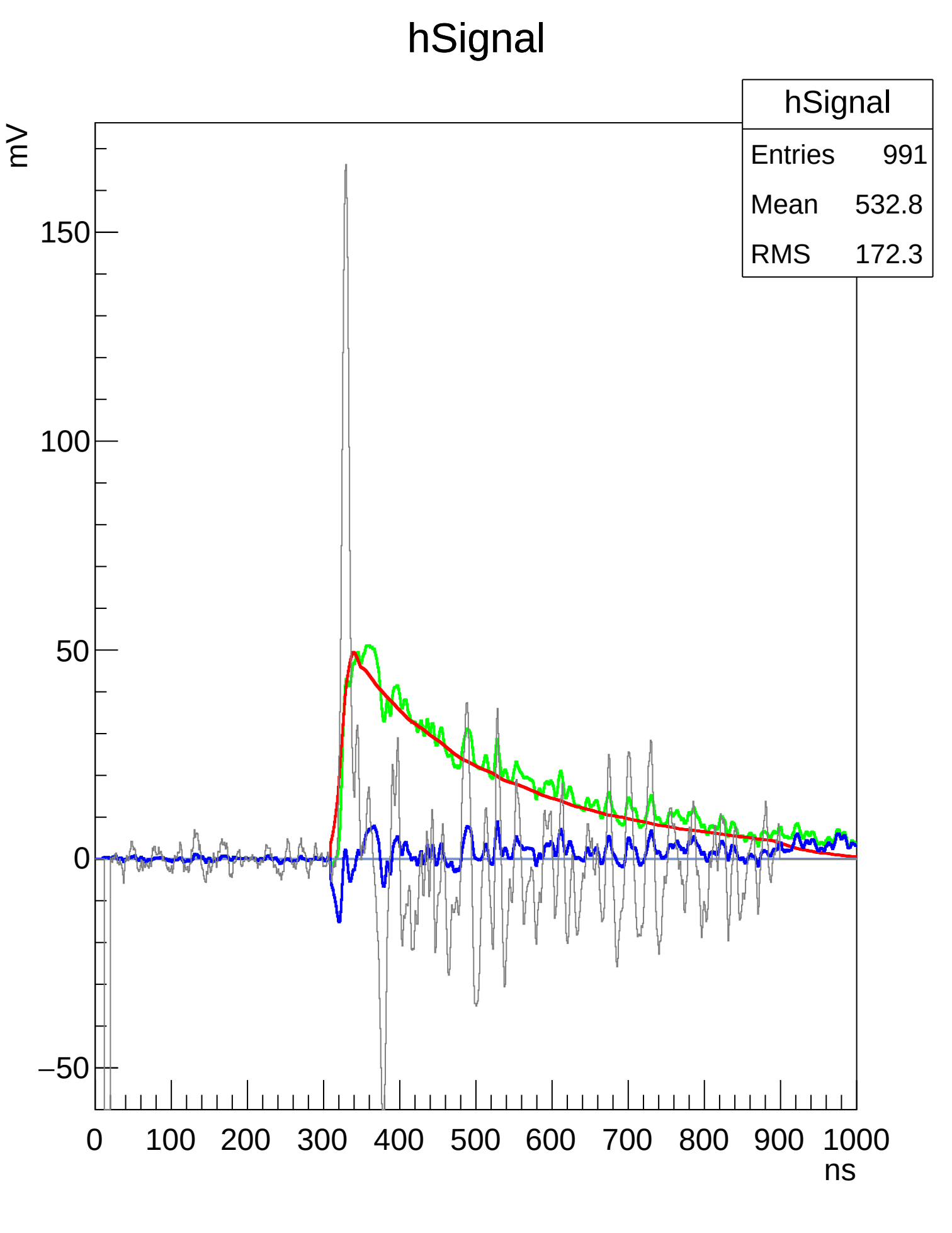

hSignal
hSignal
Entries 991
Mean 575.4
RMS 146.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

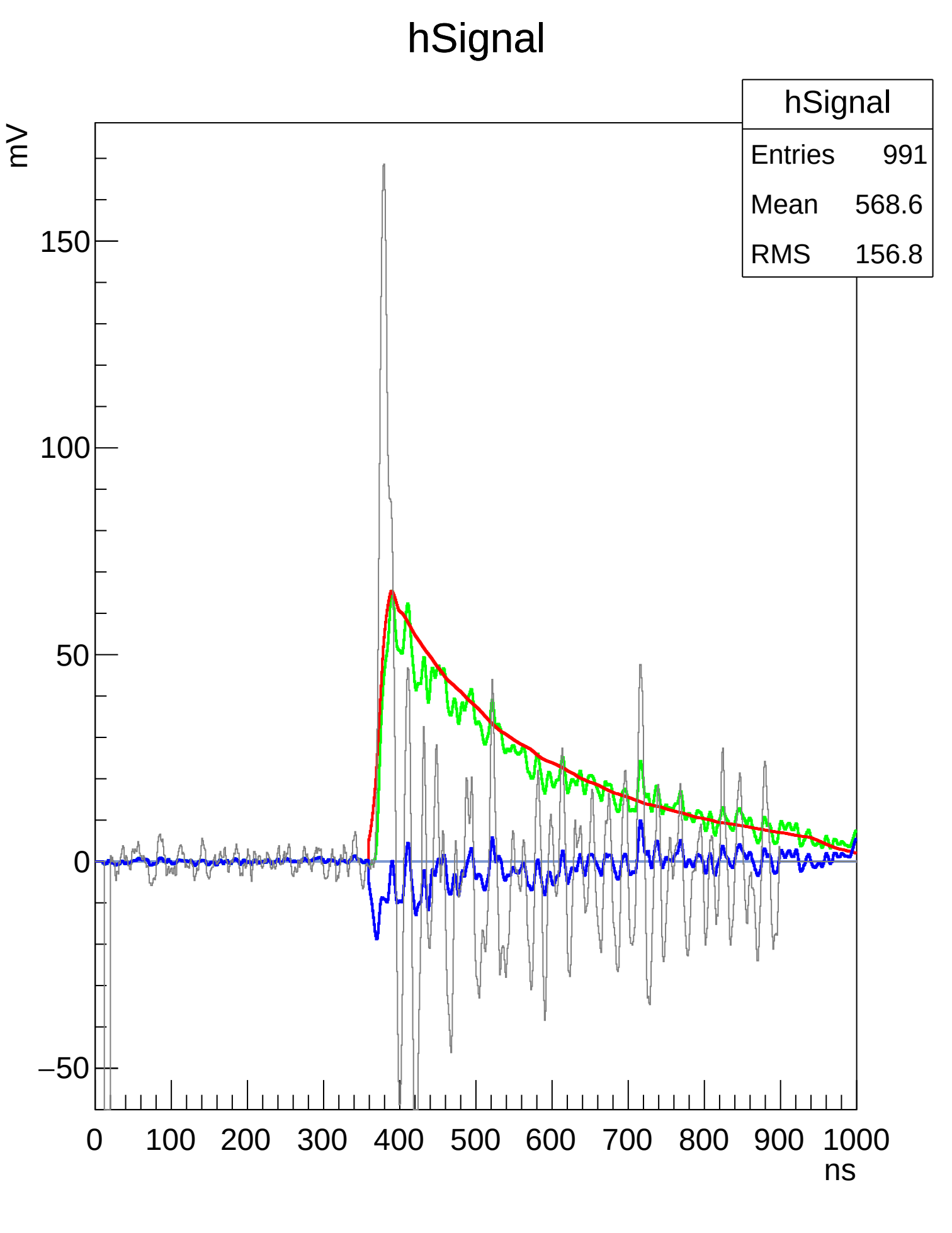

hSignal
hSignal
Entries 991
Mean 513.5
RMS 174.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

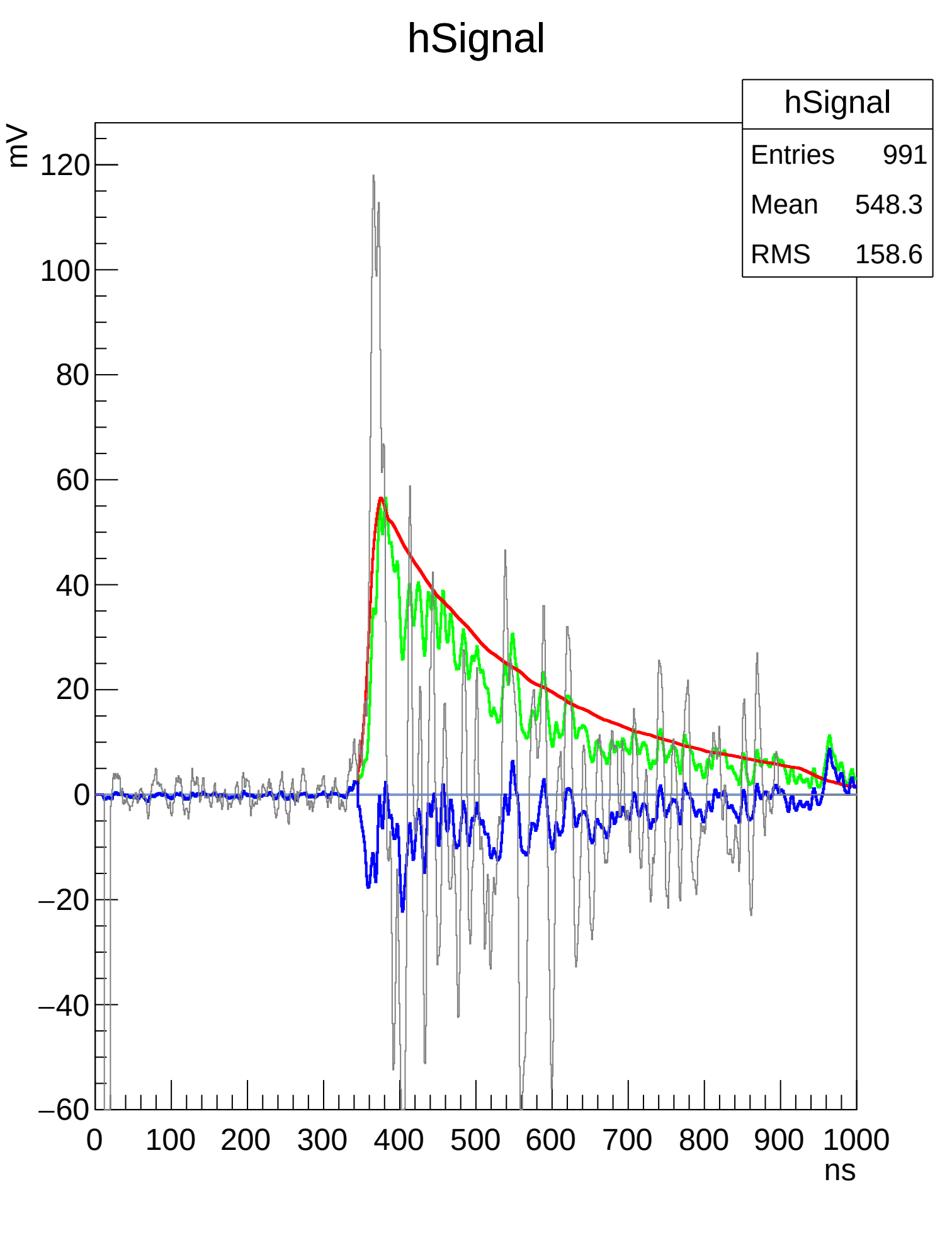

hSignal
hSignal
Entries 991
Mean 531.5
RMS 166.8
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

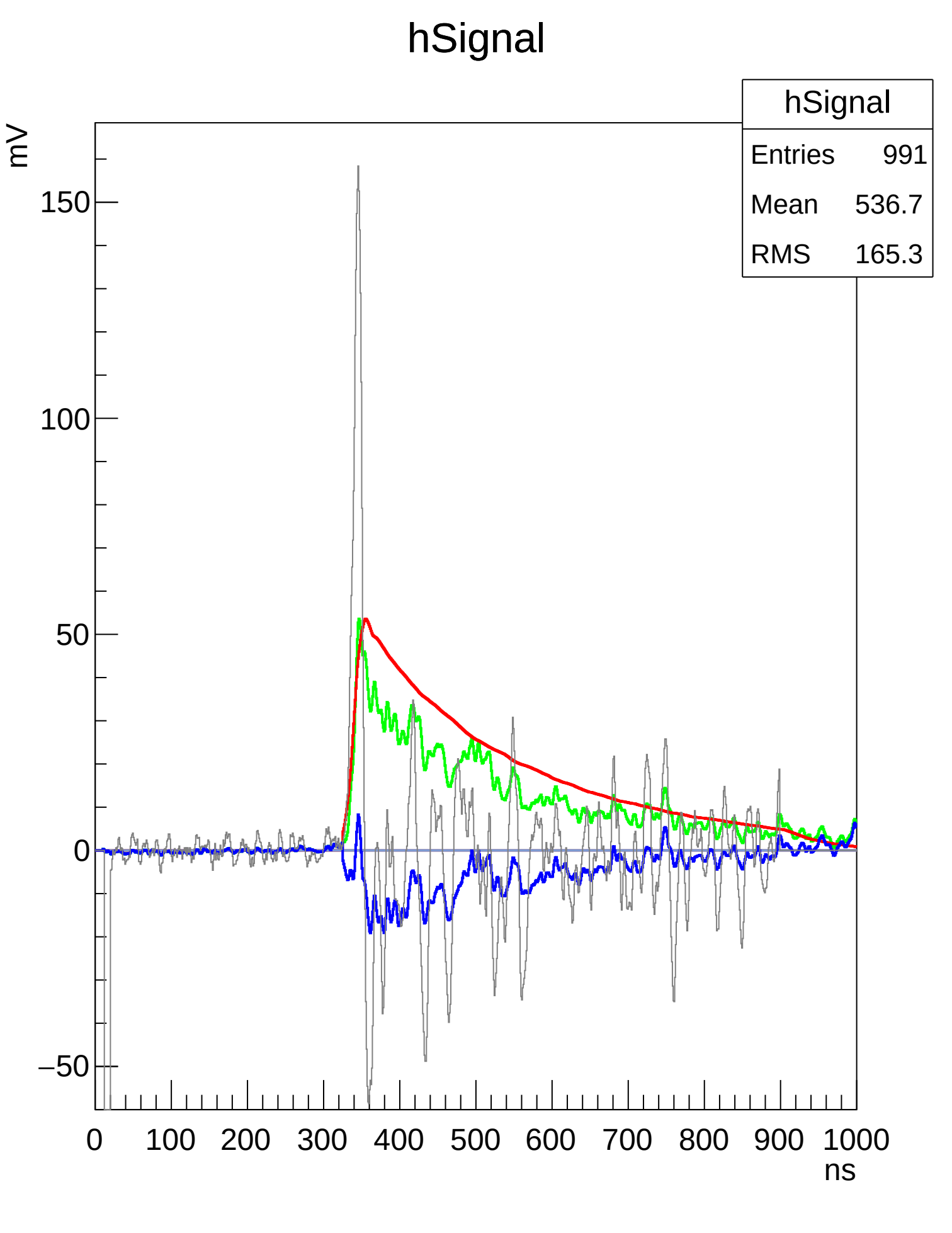

hSignal
hSignal
Entries 991
Mean 571.6
RMS 175.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

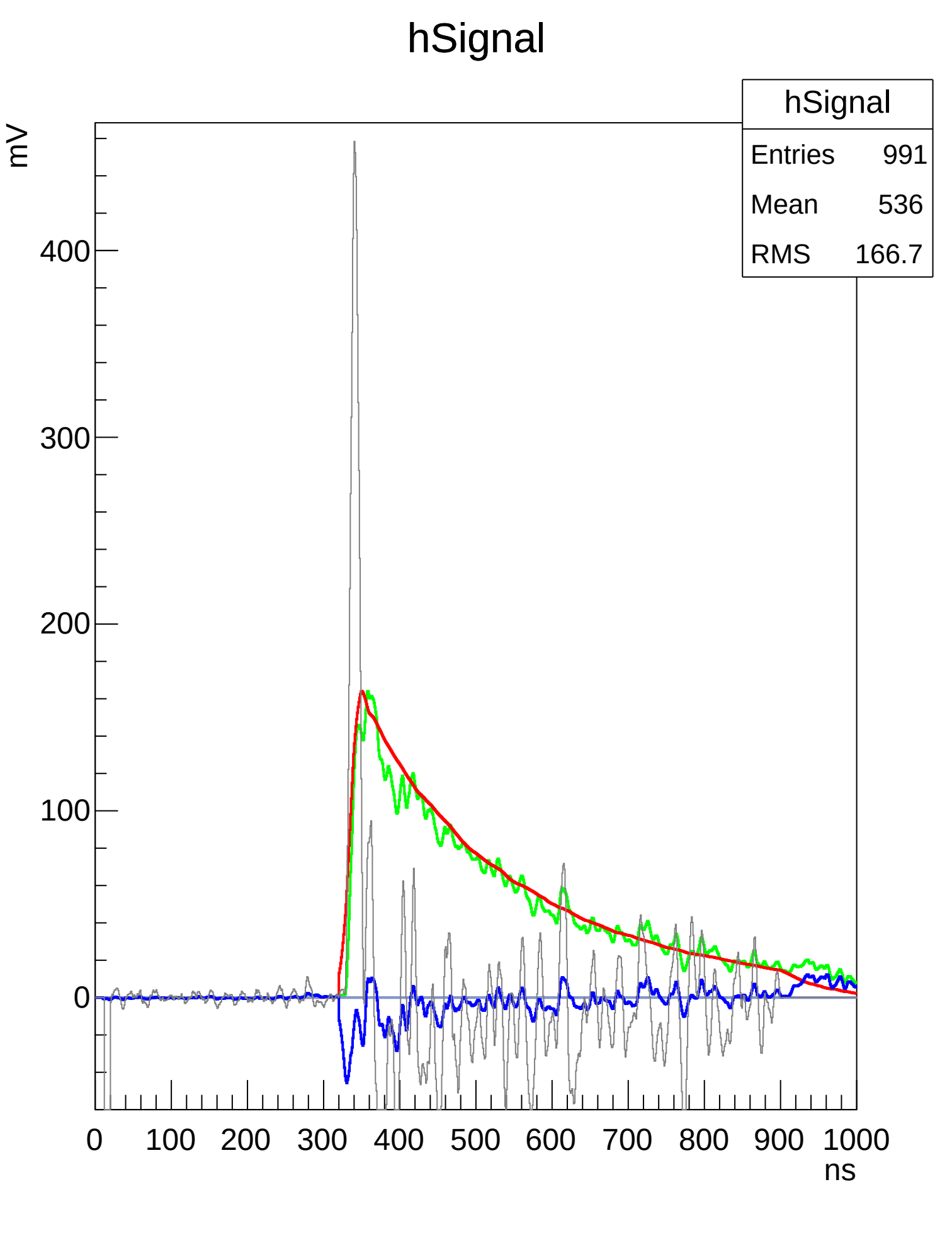

hSignal
hSignal
Entries 991
Mean 529.2
RMS 170.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

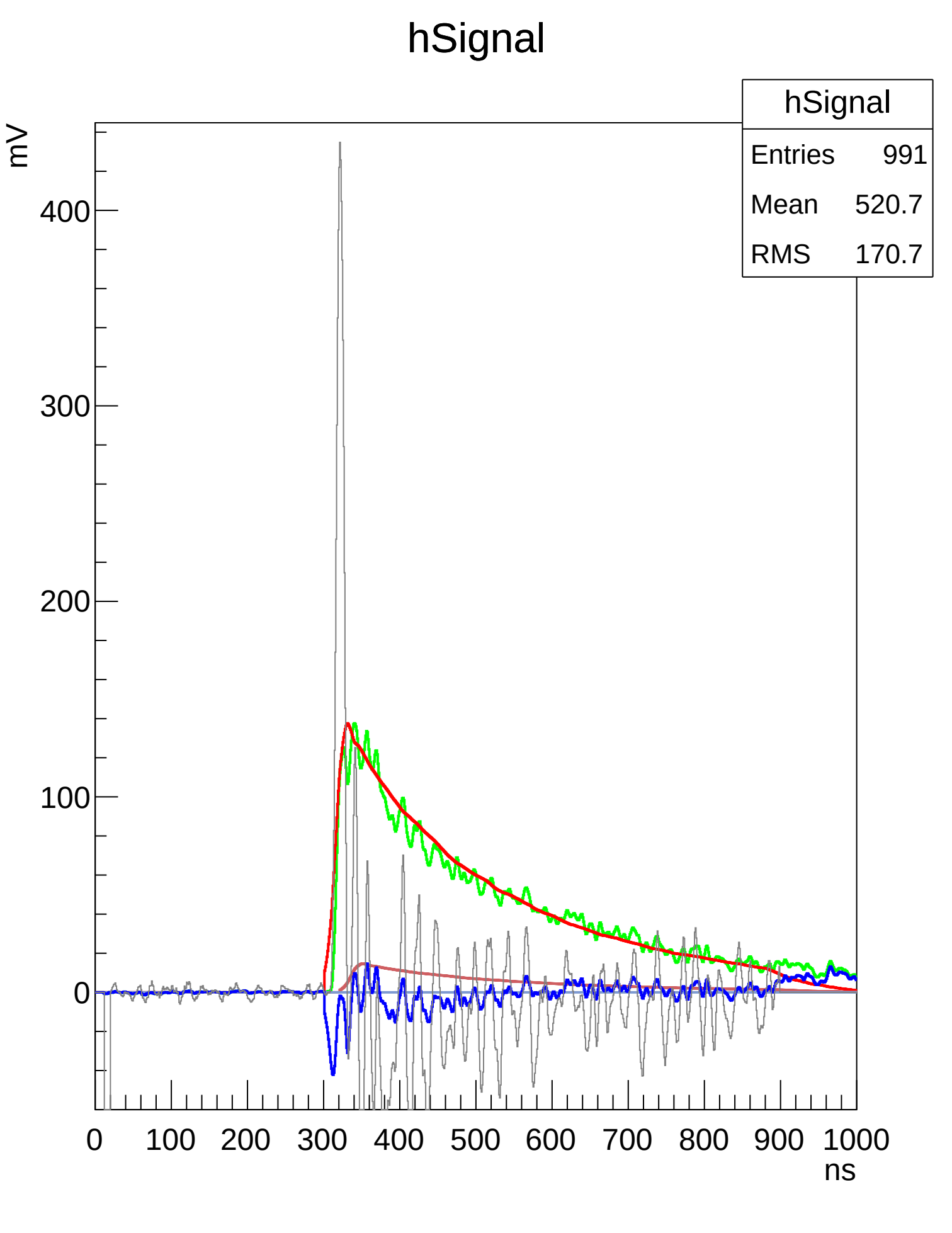

hSignal
hSignal
Entries 991
Mean 532.8
RMS 172.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

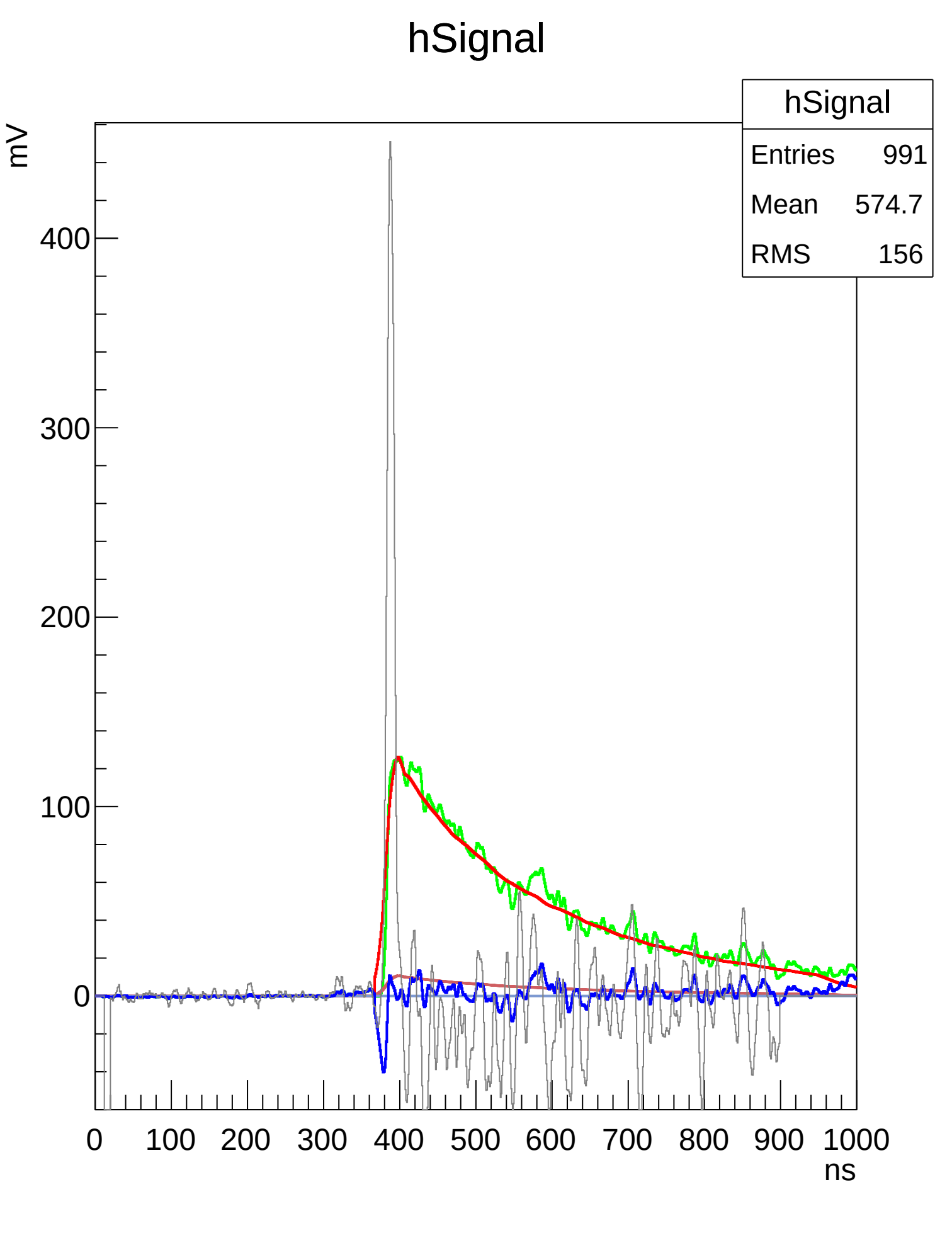

hSignal
hSignal
Entries 991
Mean 568.6
RMS 156.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

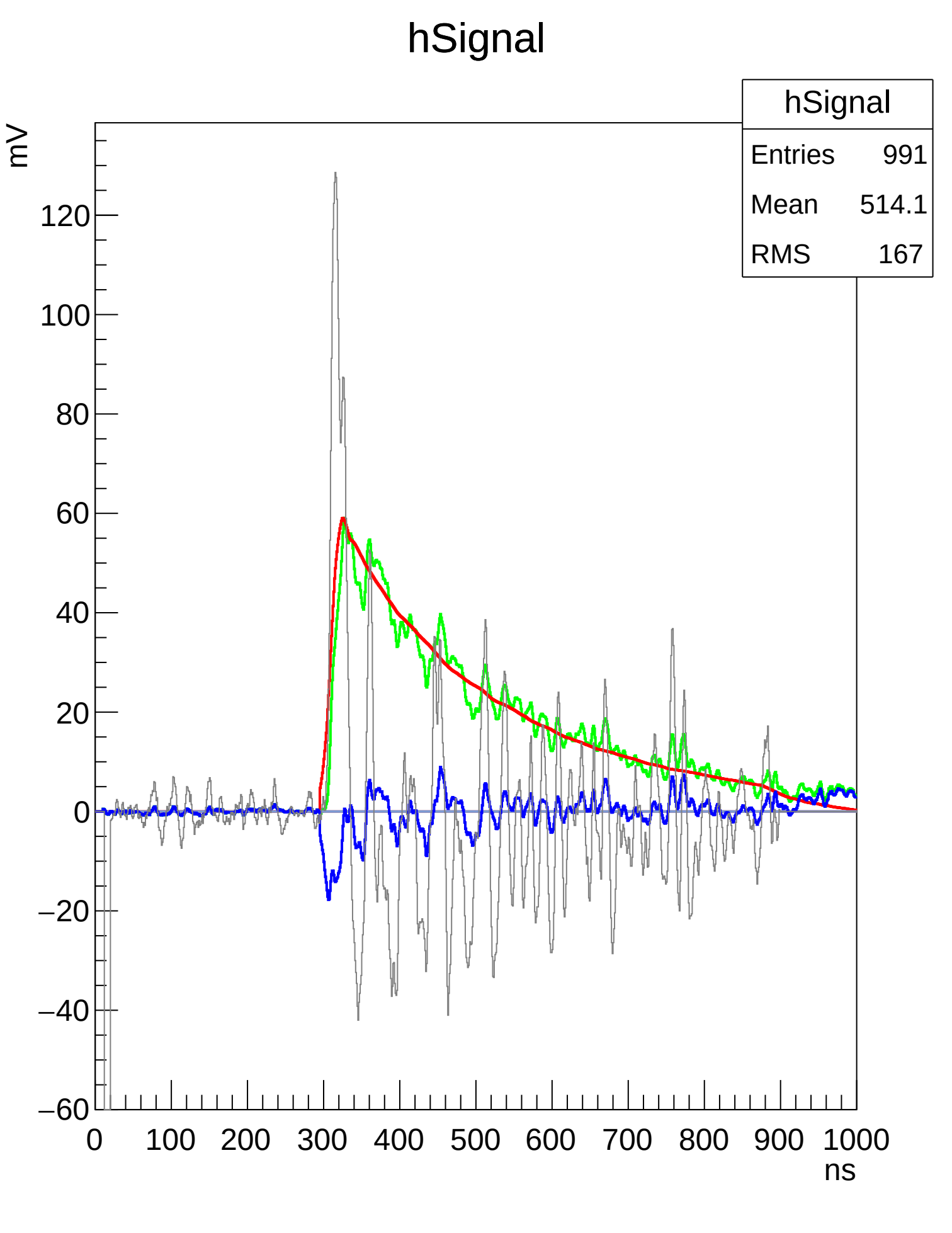

hSignal
hSignal
Entries 991
Mean 548.3
RMS 158.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

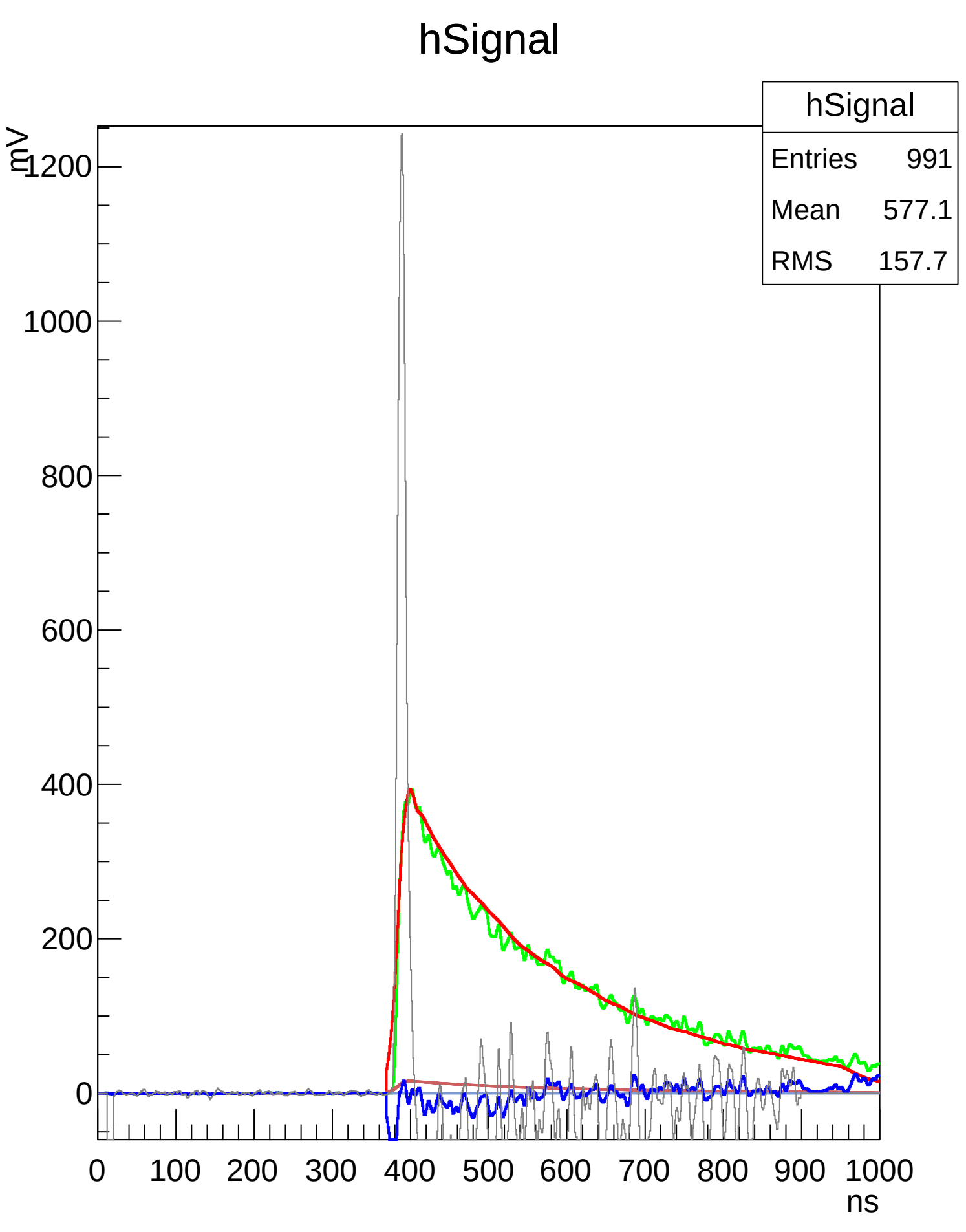

hSignal
hSignal
Entries 991
Mean 536.7
RMS 165.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

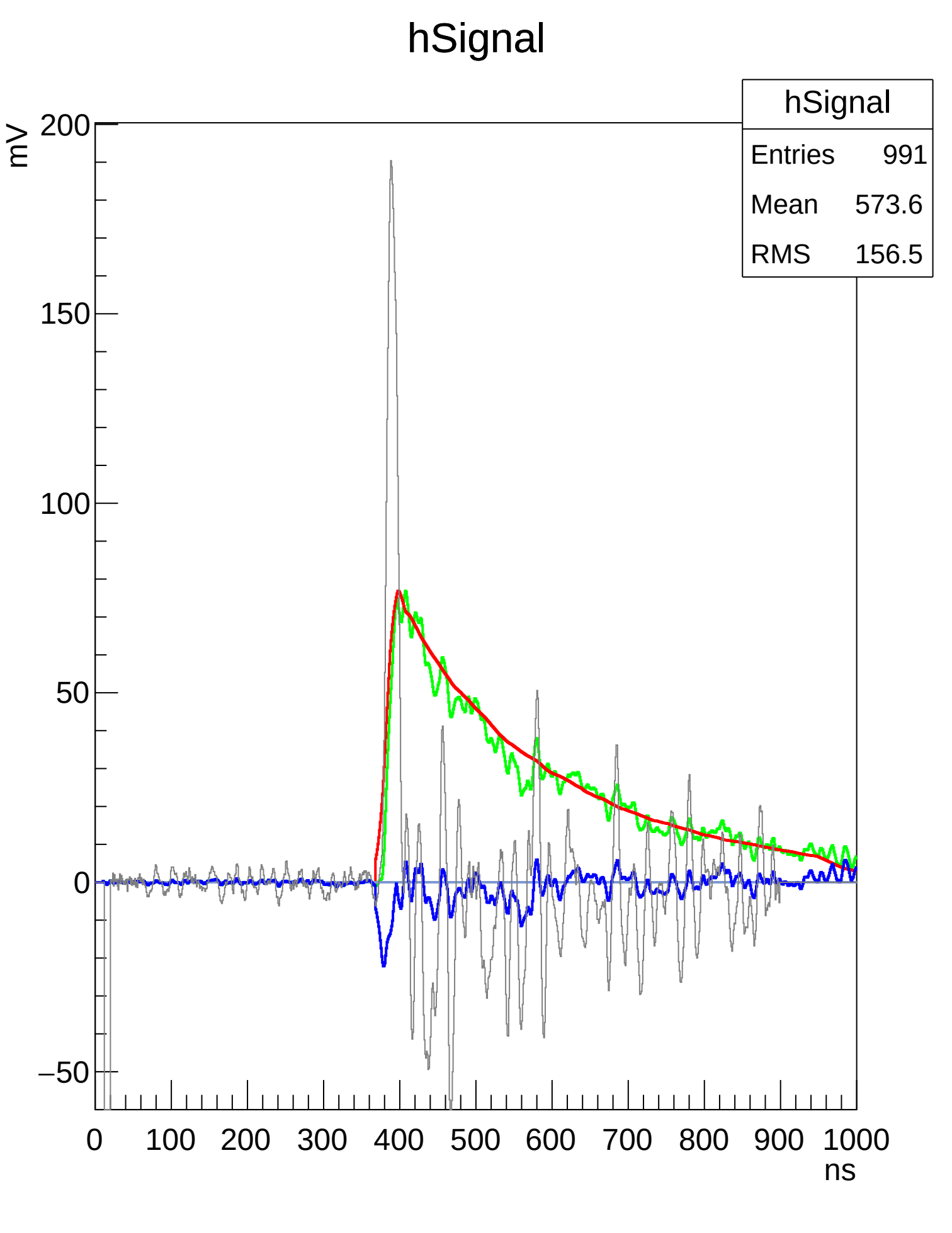

hSignal
hSignal
Entries 991
Mean 536
RMS 166.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

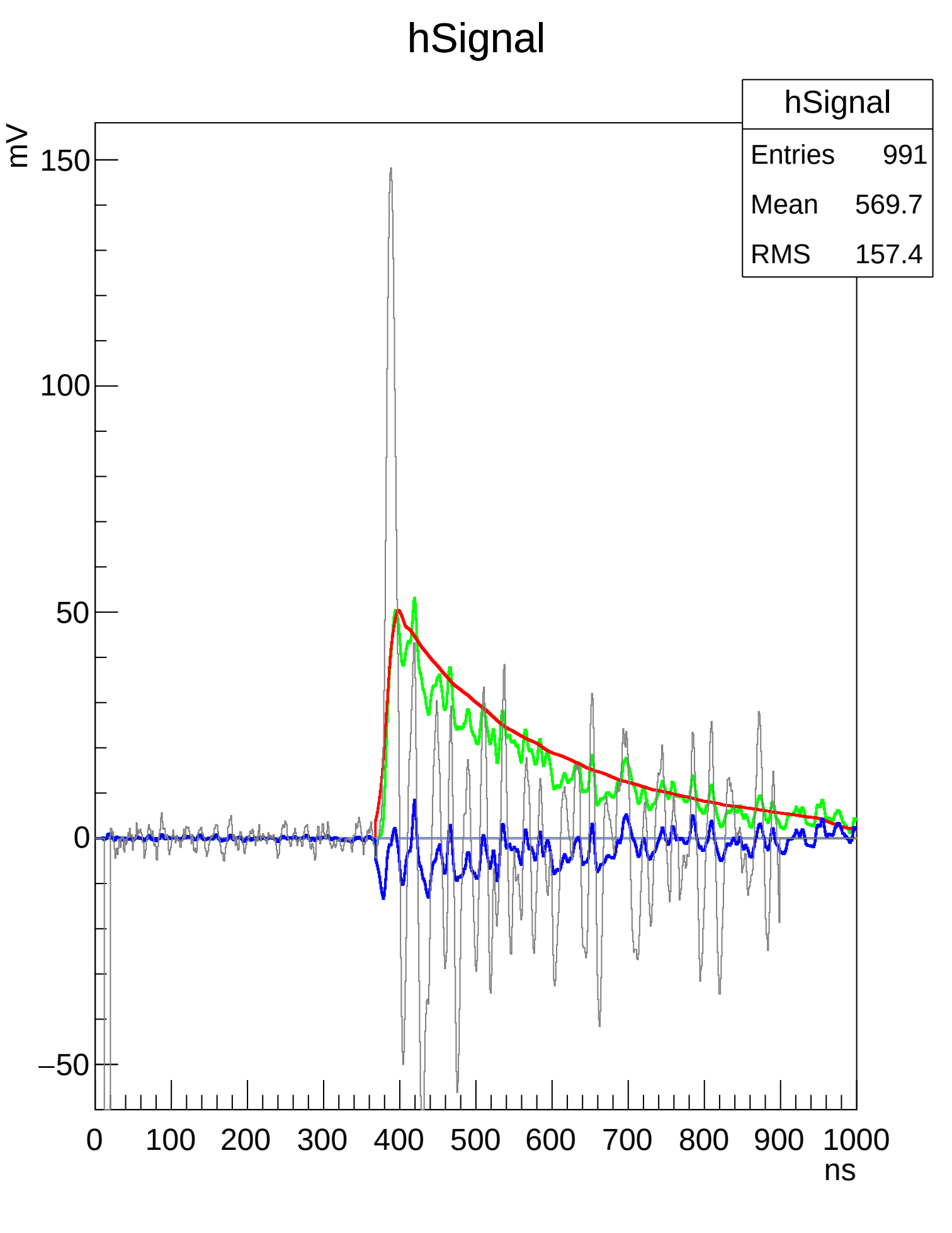

hSignal
hSignal
Entries 991
Mean 520.7
RMS 170.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

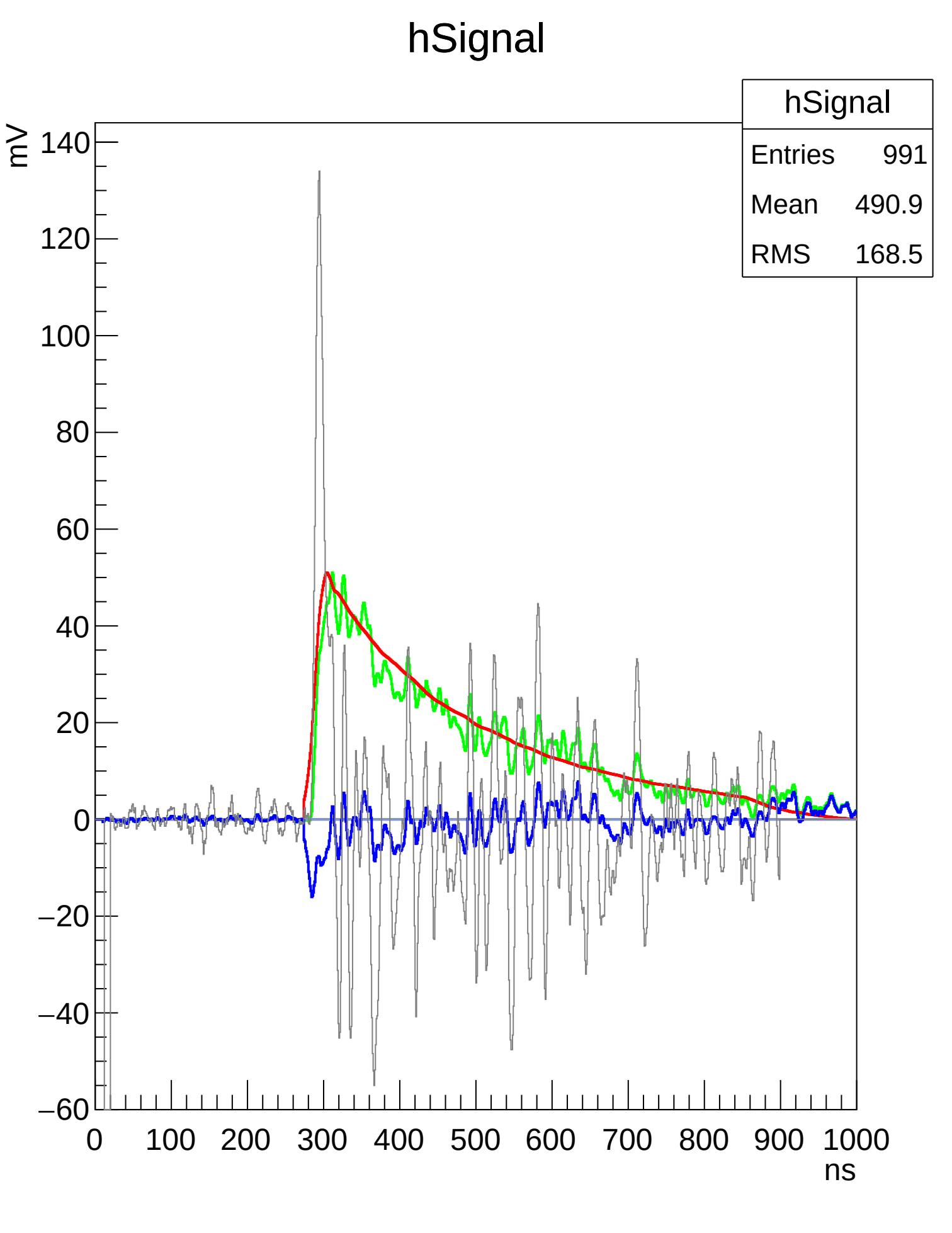

hSignal
hSignal
Entries 991
Mean 574.7
RMS 156
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

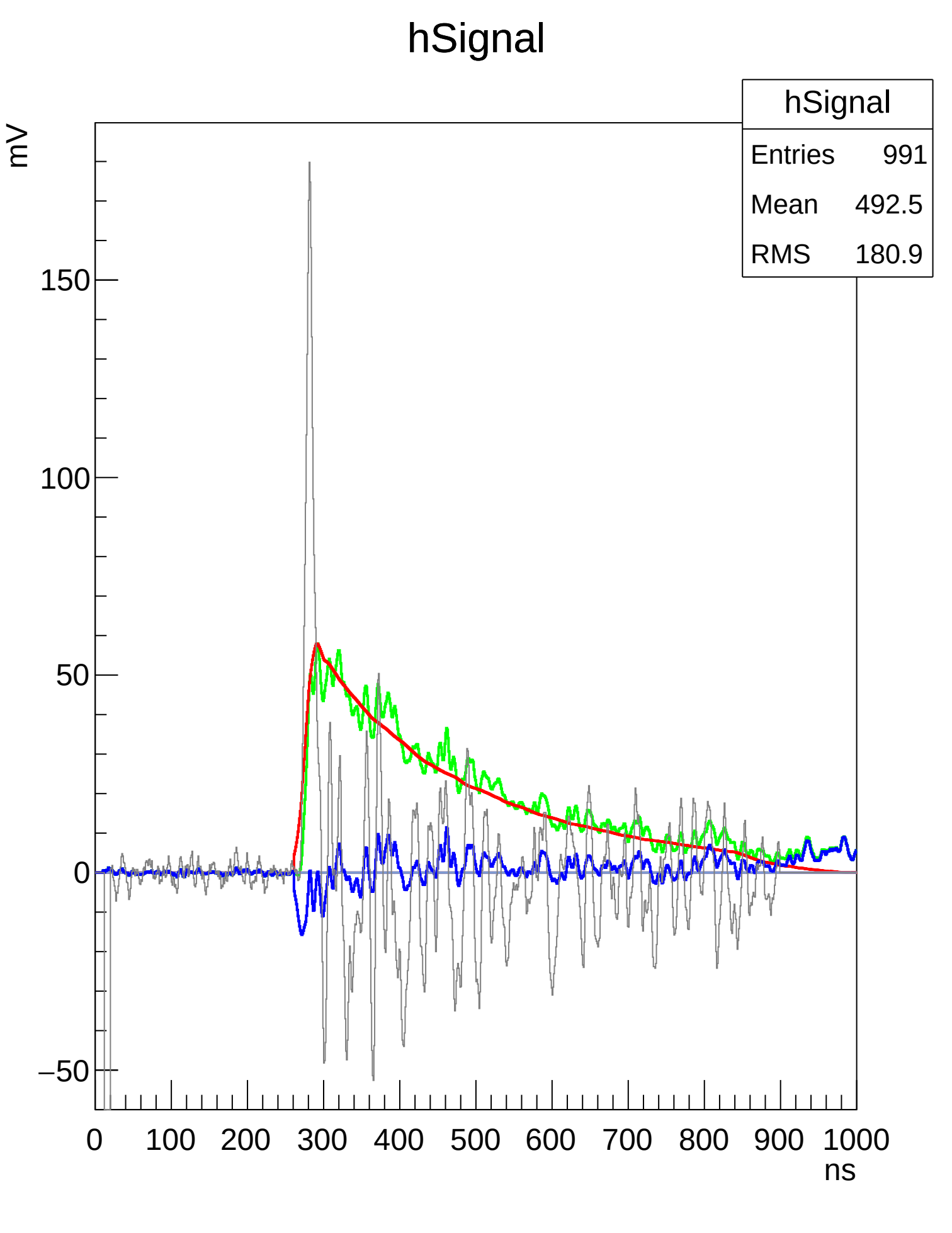

hSignal
hSignal
Entries 991
Mean 514.1
RMS 167
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

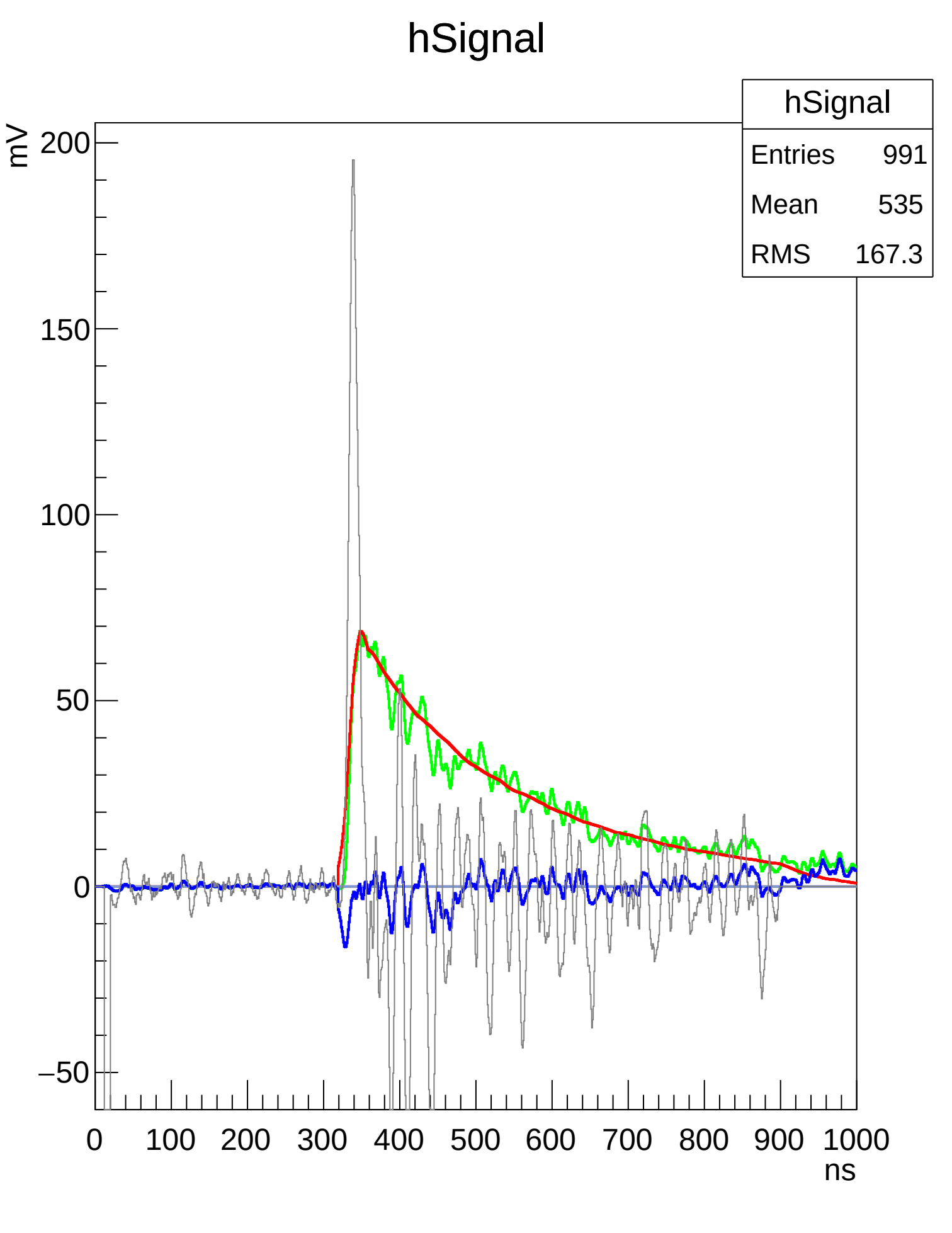

hSignal
hSignal
Entries 991
Mean 577.1
RMS 157.7
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

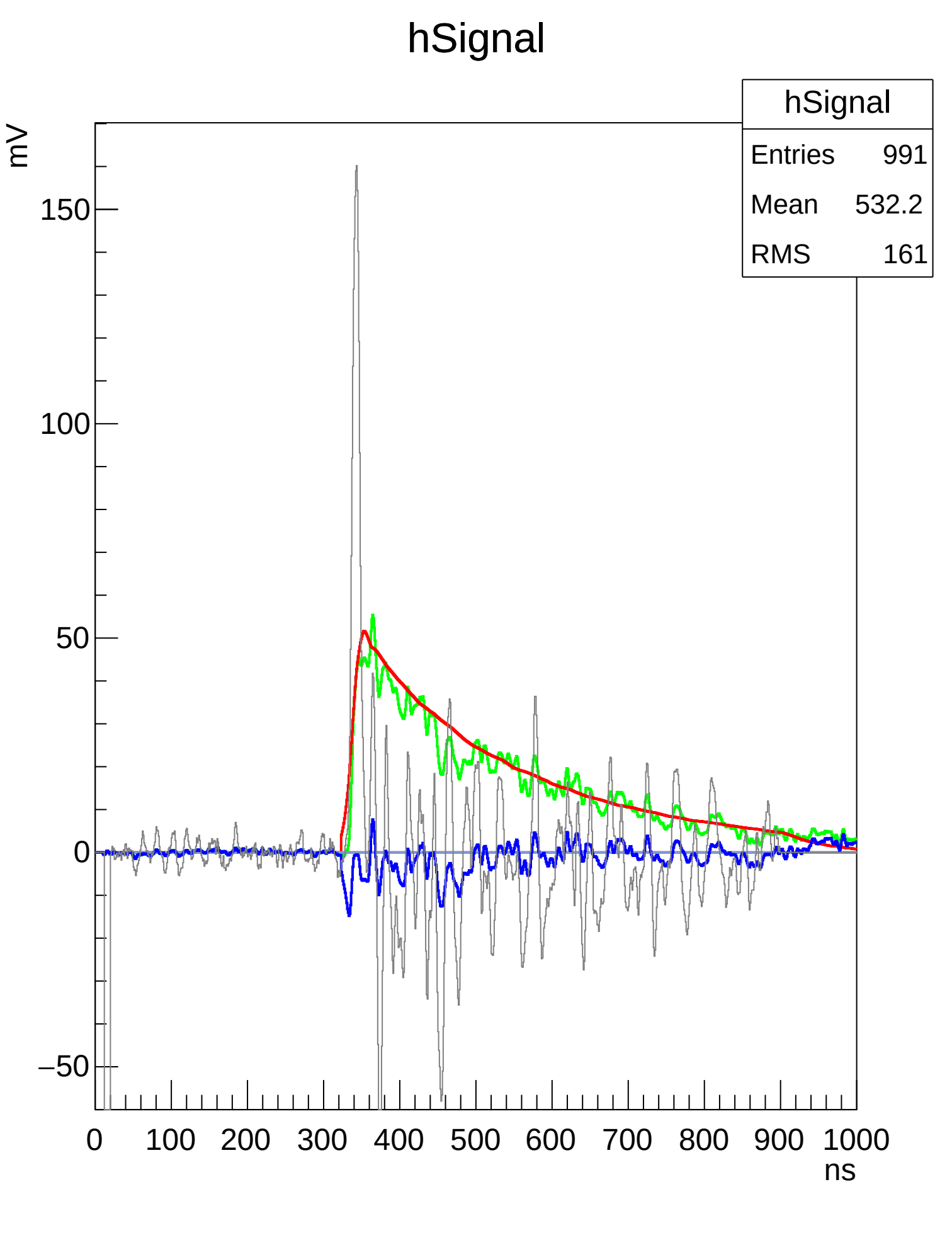

hSignal
hSignal
Entries 991
Mean 573.6
RMS 156.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

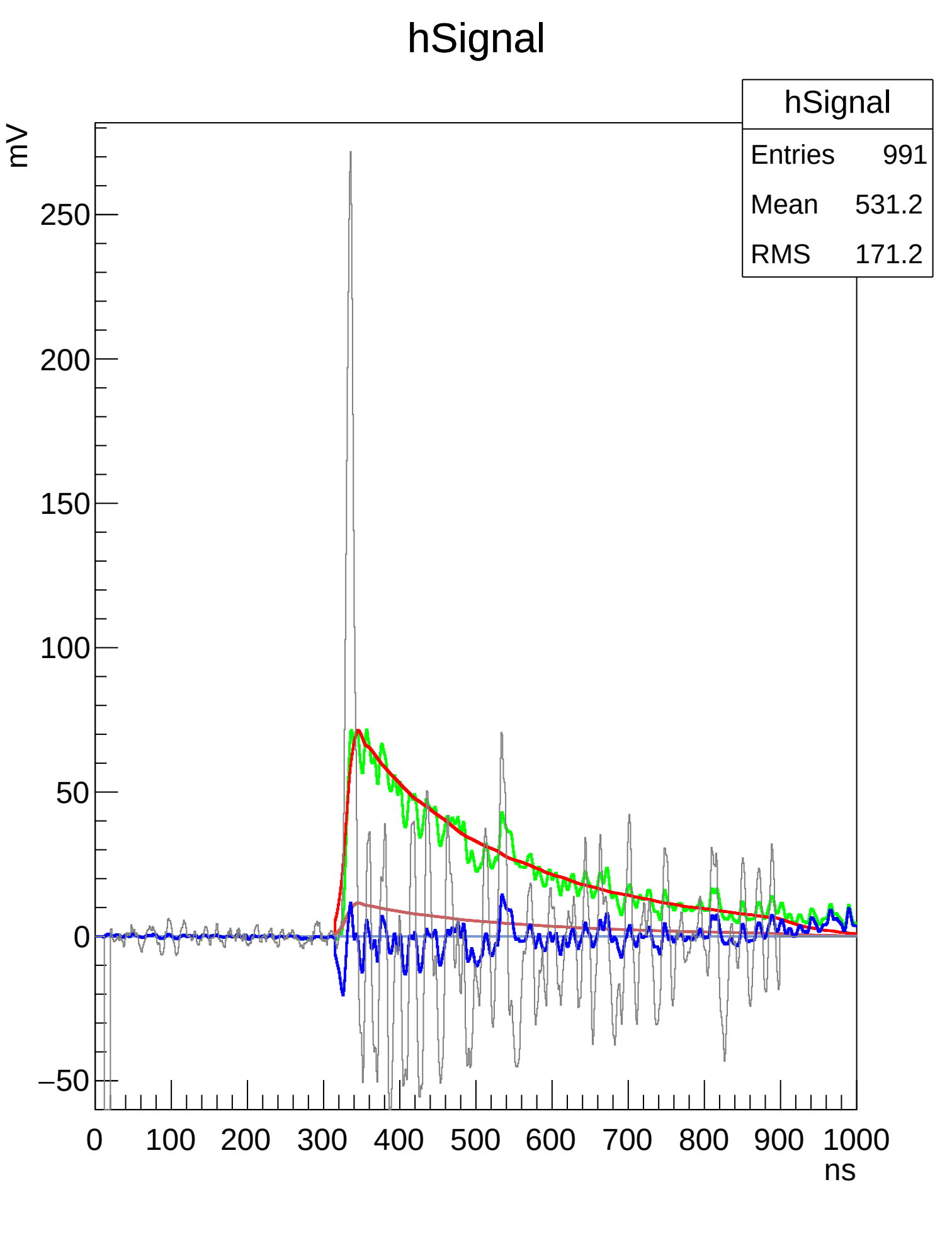

hSignal
hSignal
Entries 991
Mean 569.7
RMS 157.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

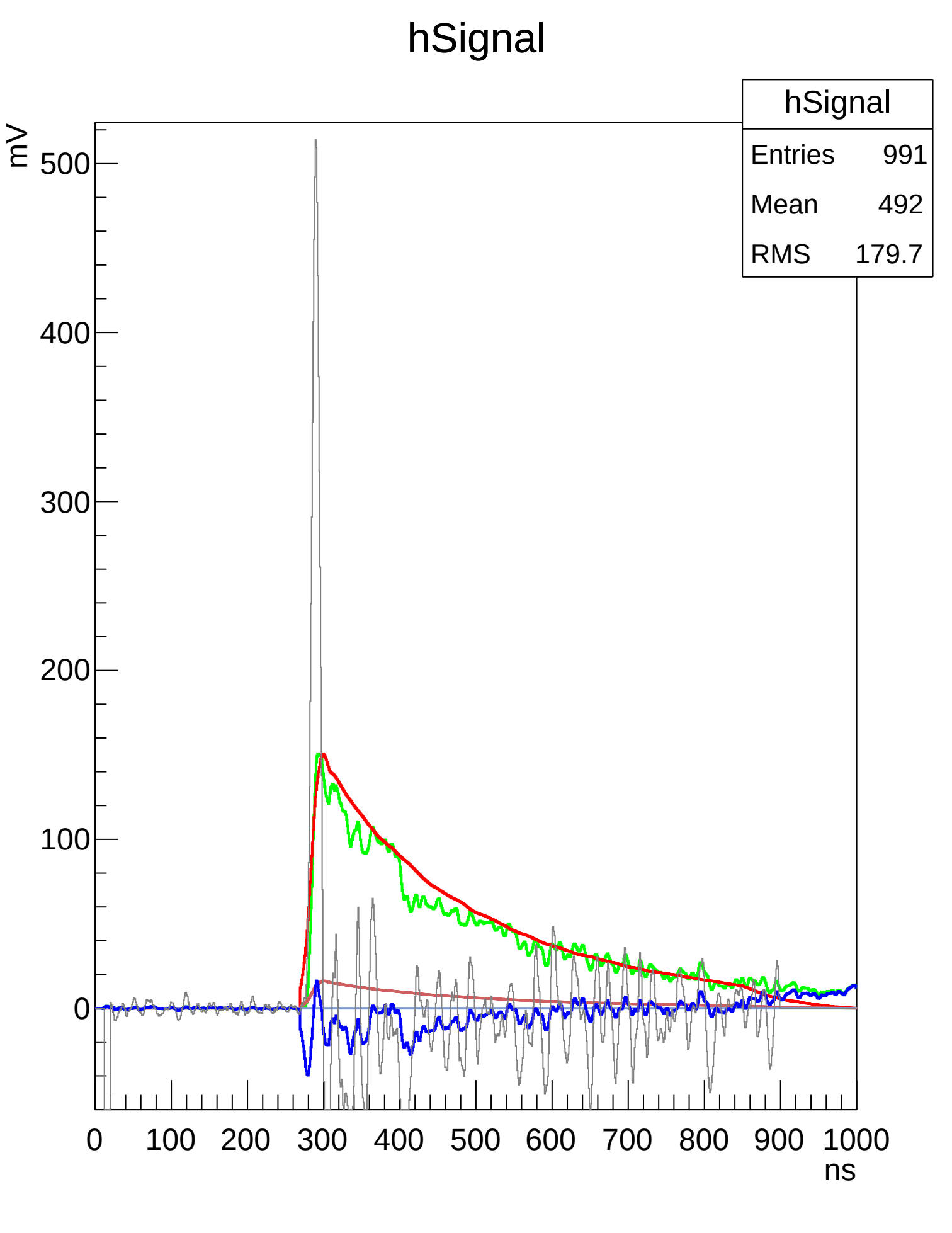

hSignal
hSignal
Entries 991
Mean 490.9
RMS 168.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

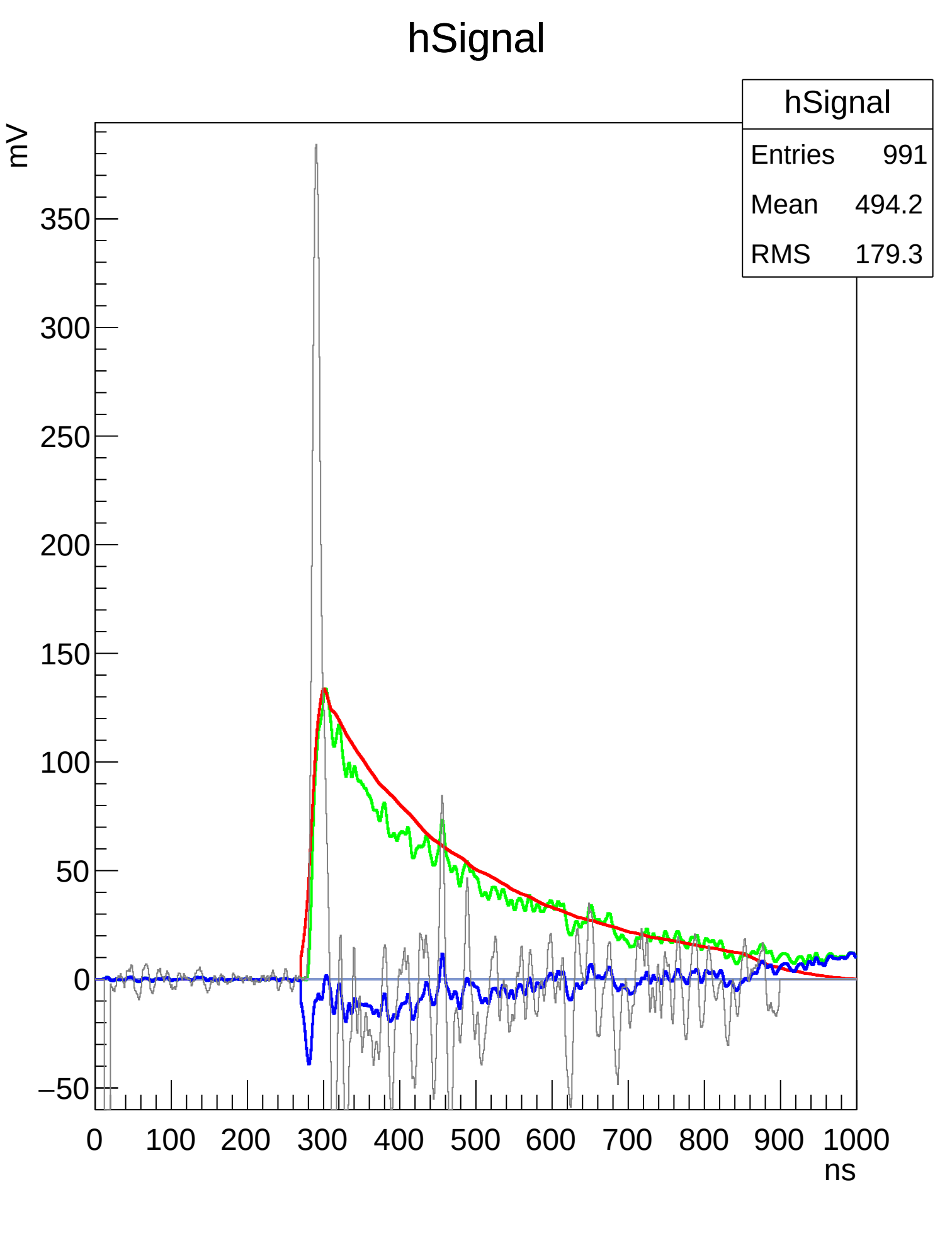

hSignal
hSignal
Entries 991
Mean 492.5
RMS 180.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

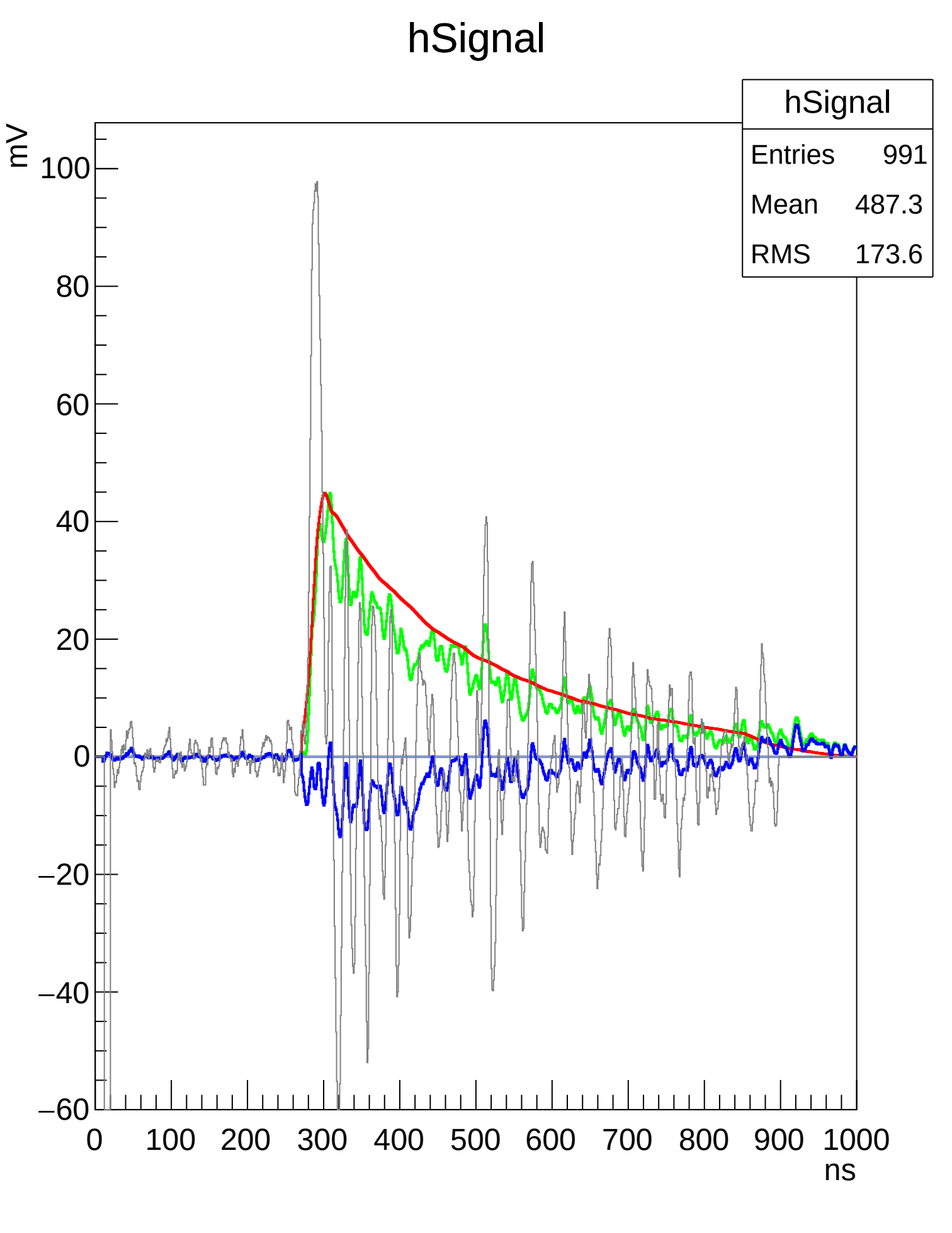

hSignal
hSignal
Entries 991
Mean 535
RMS 167.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

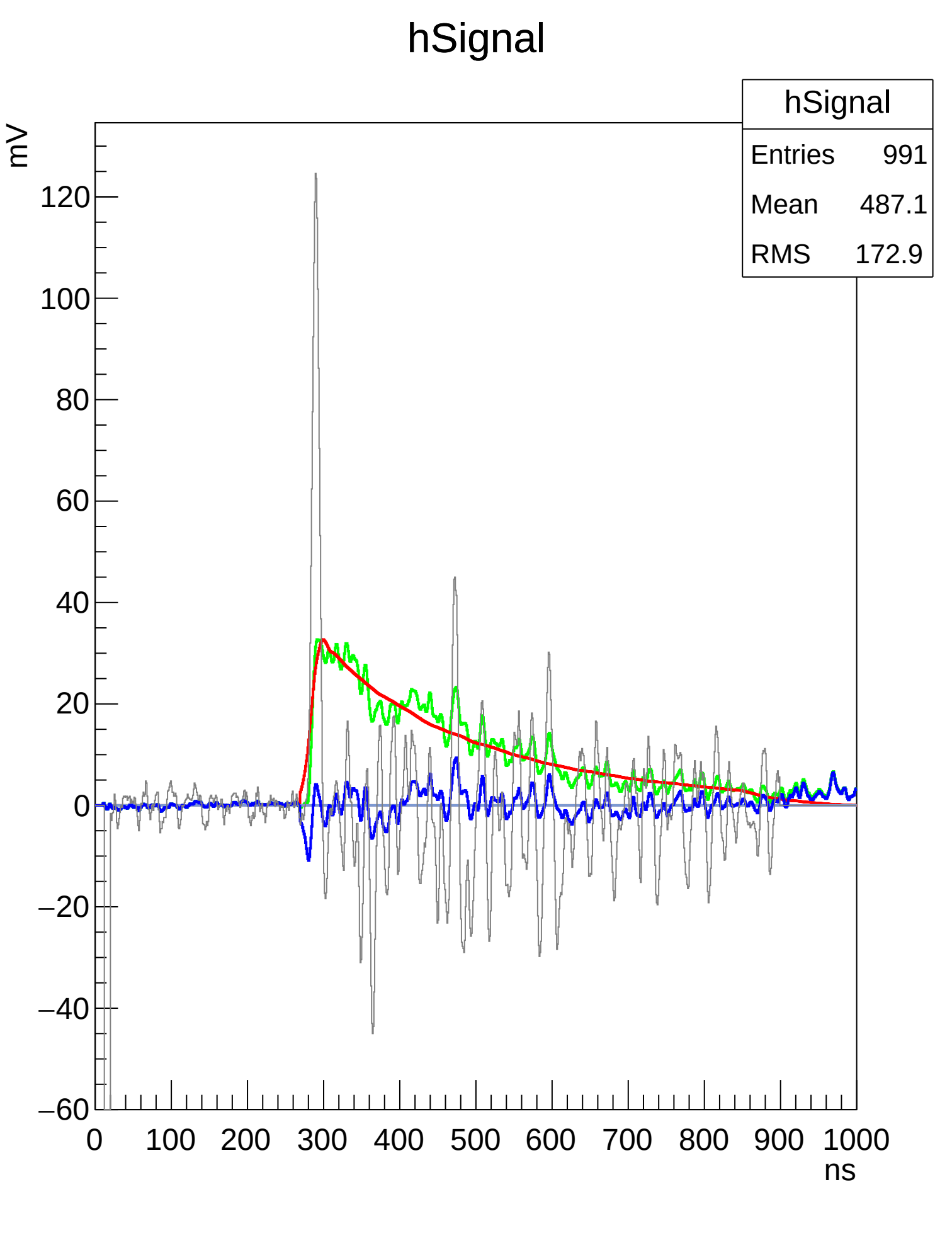

hSignal
hSignal
Entries 991
Mean 532.2
RMS 161
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

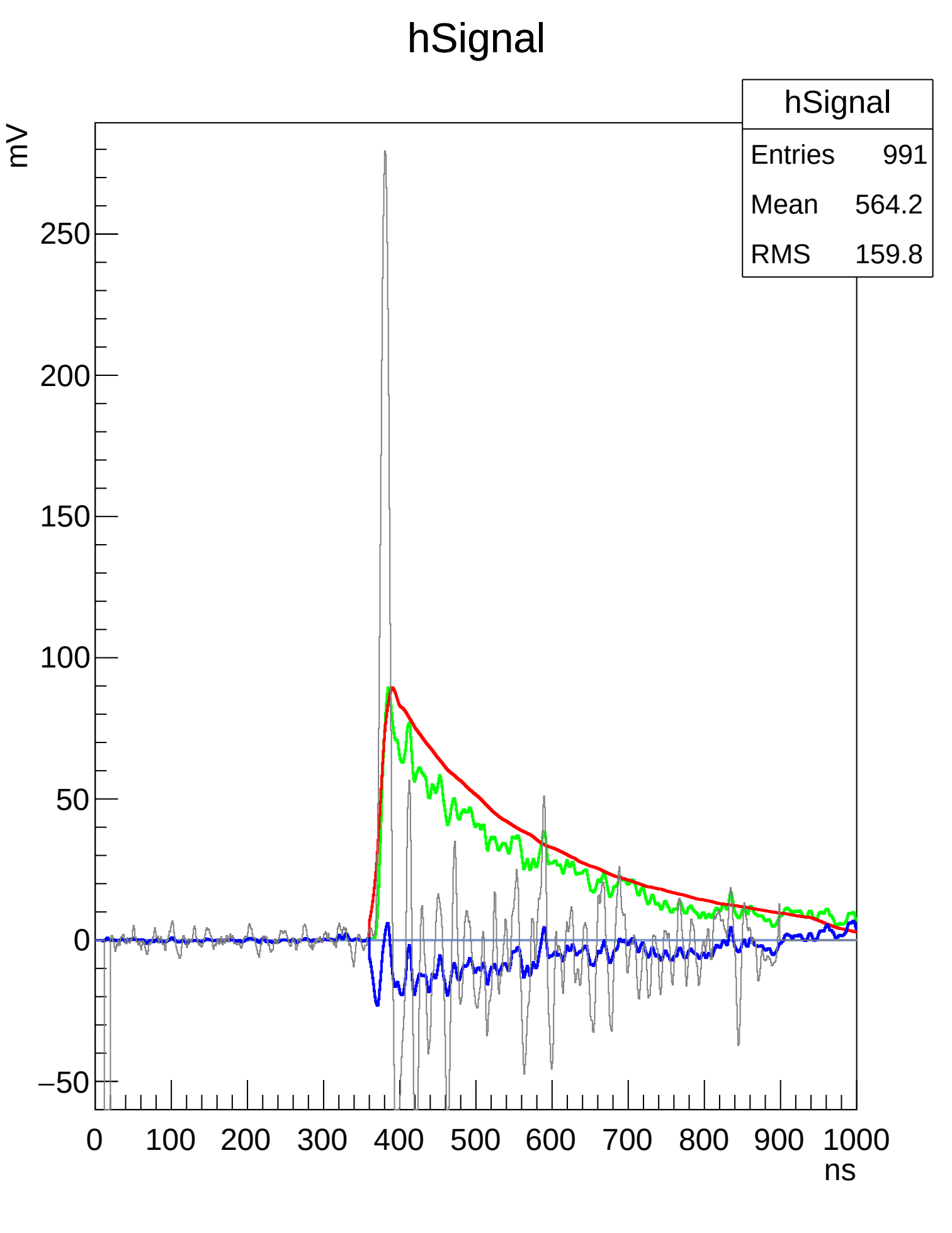

hSignal
hSignal
Entries 991
Mean 531.2
RMS 171.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

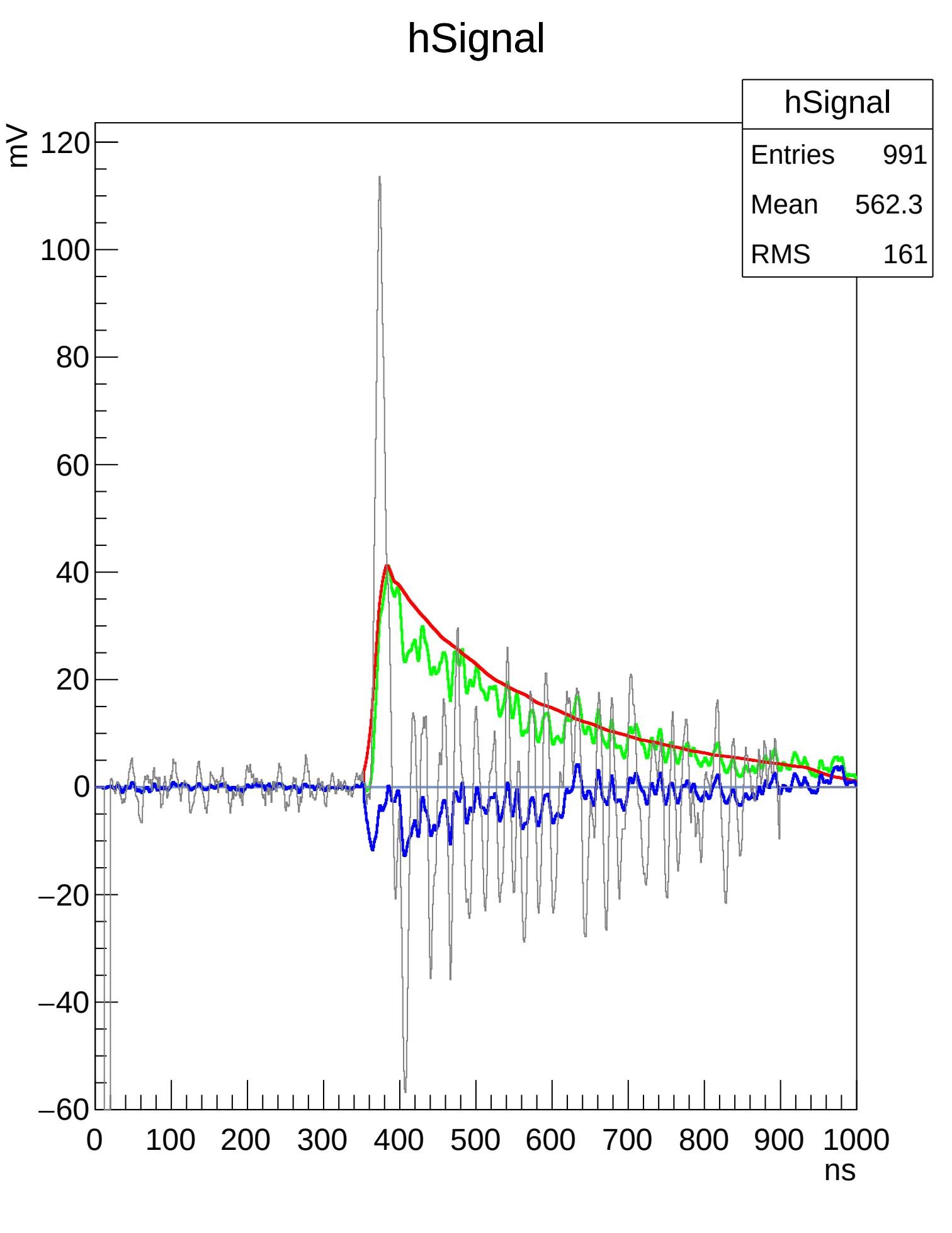

hSignal
hSignal
Entries 991
Mean 492
RMS 179.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

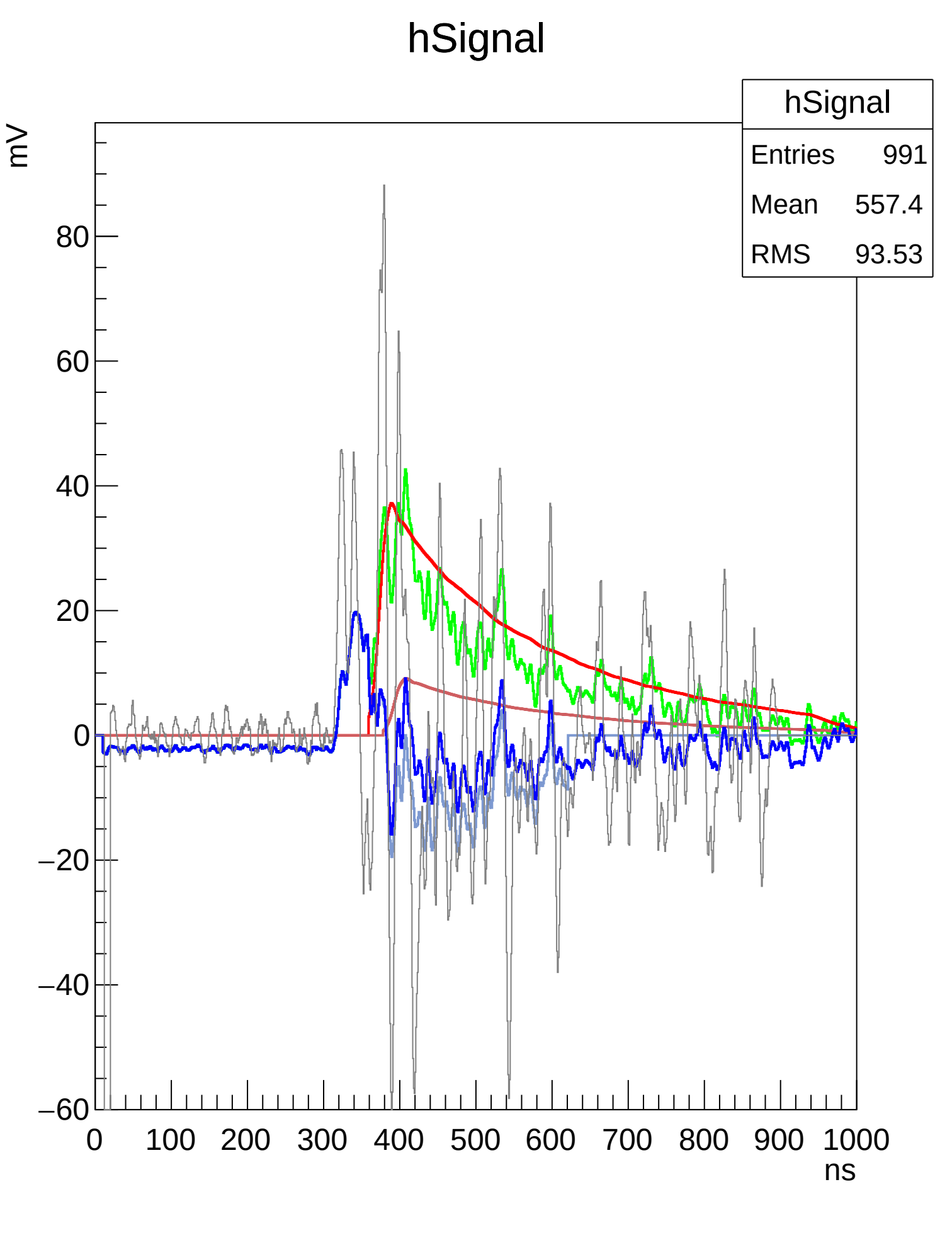

hSignal
hSignal
Entries 991
Mean 494.2
RMS 179.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

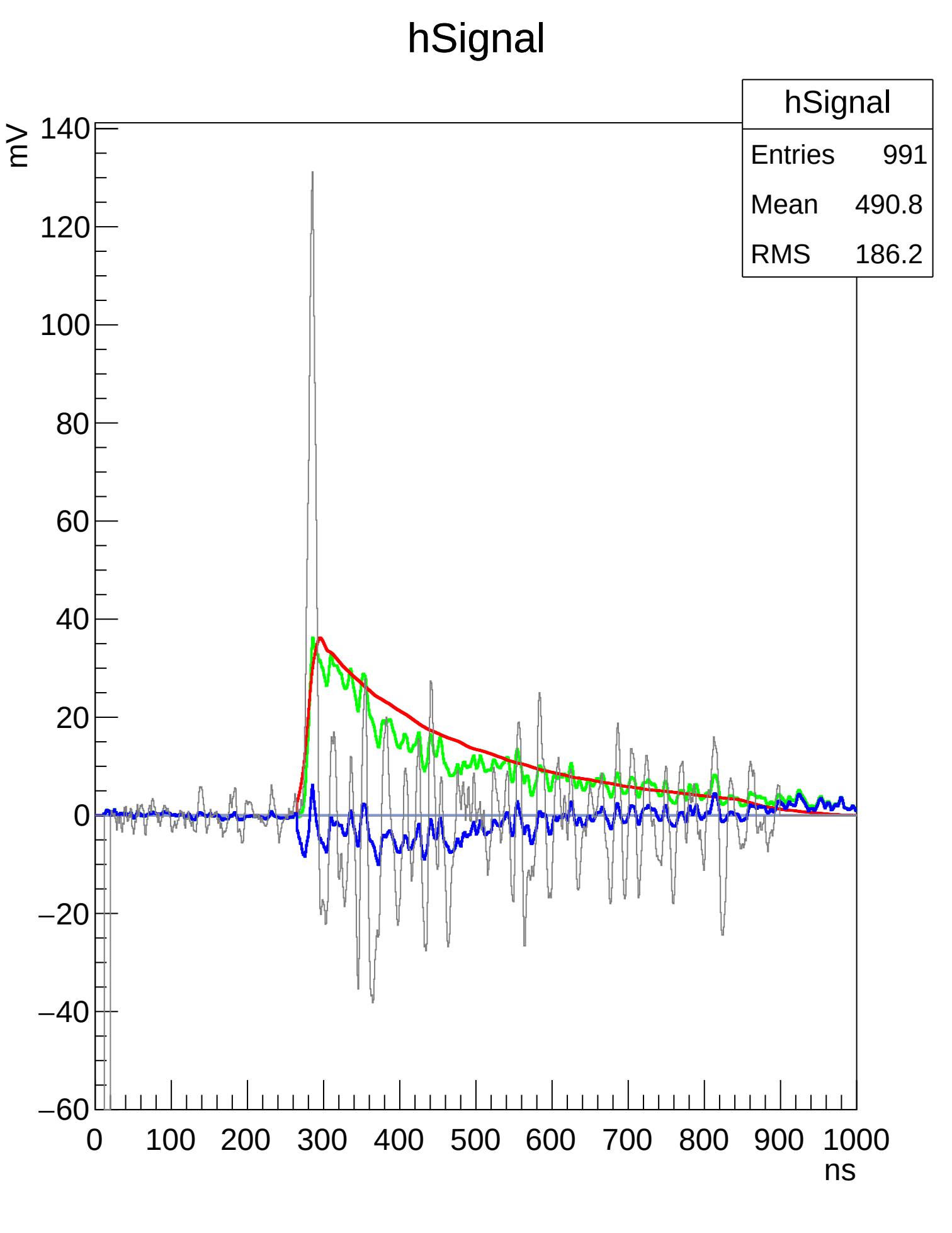

hSignal
hSignal
Entries 991
Mean 487.3
RMS 173.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

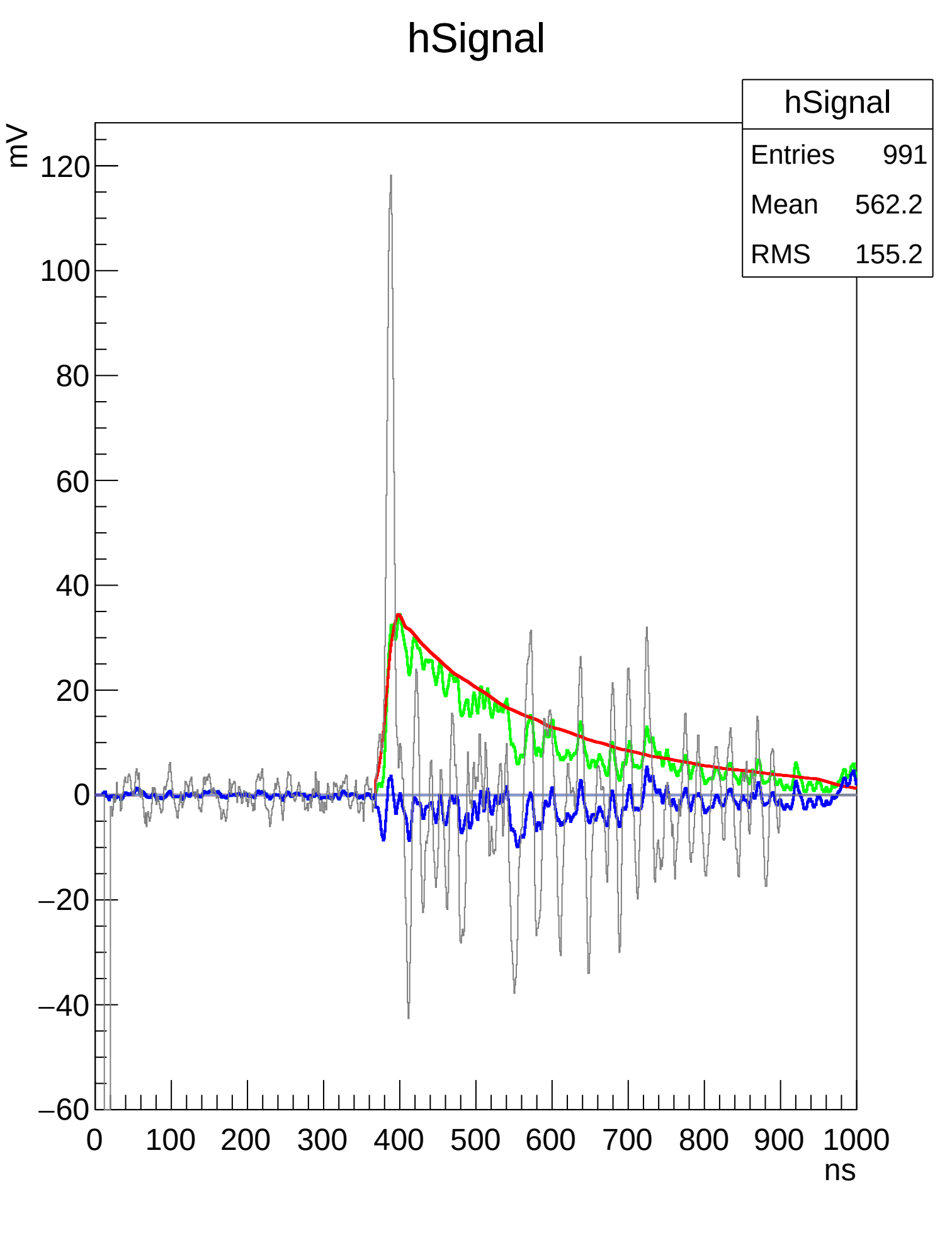

hSignal
hSignal
Entries 991
Mean 487.1
RMS 172.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

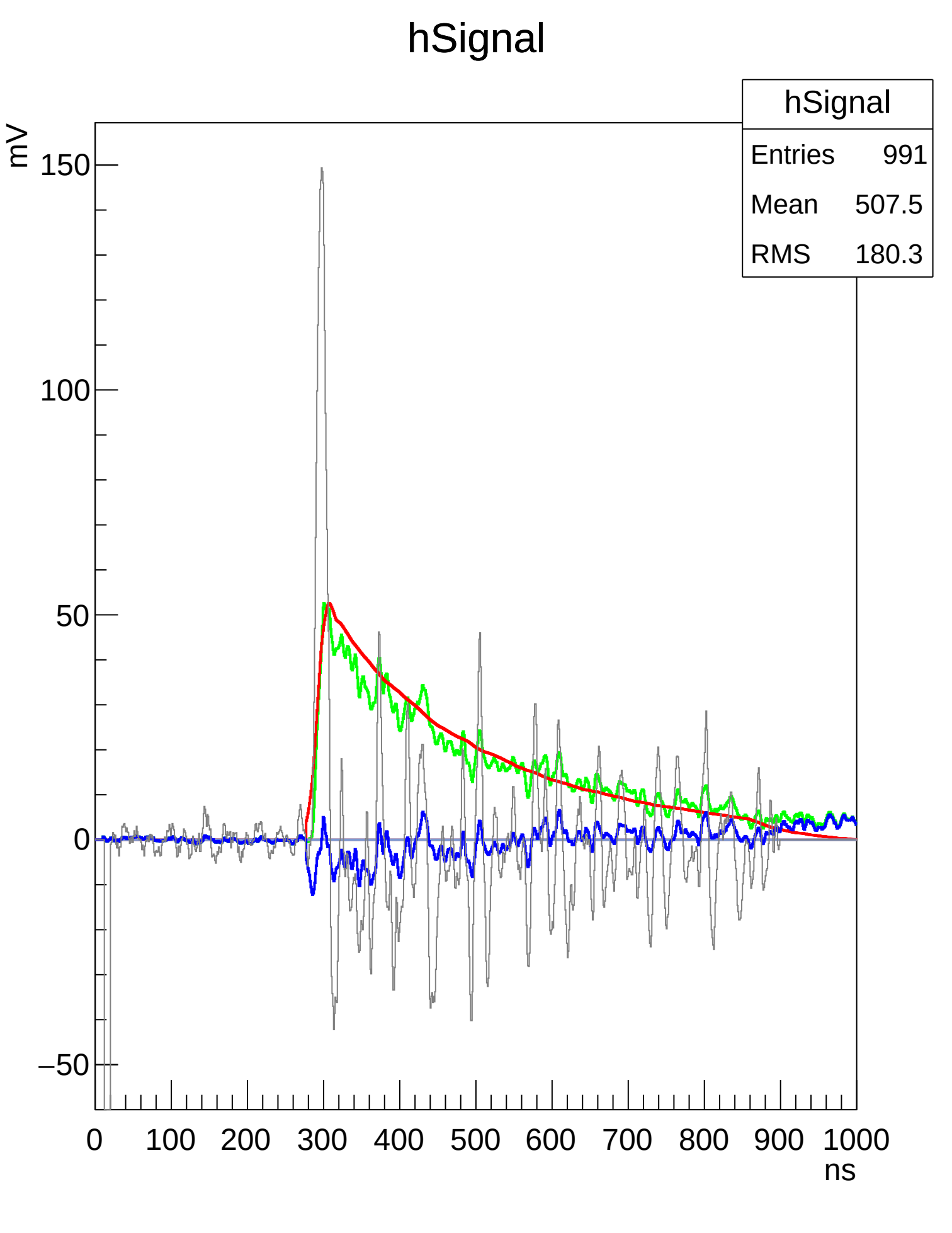

hSignal
hSignal
Entries 991
Mean 564.2
RMS 159.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

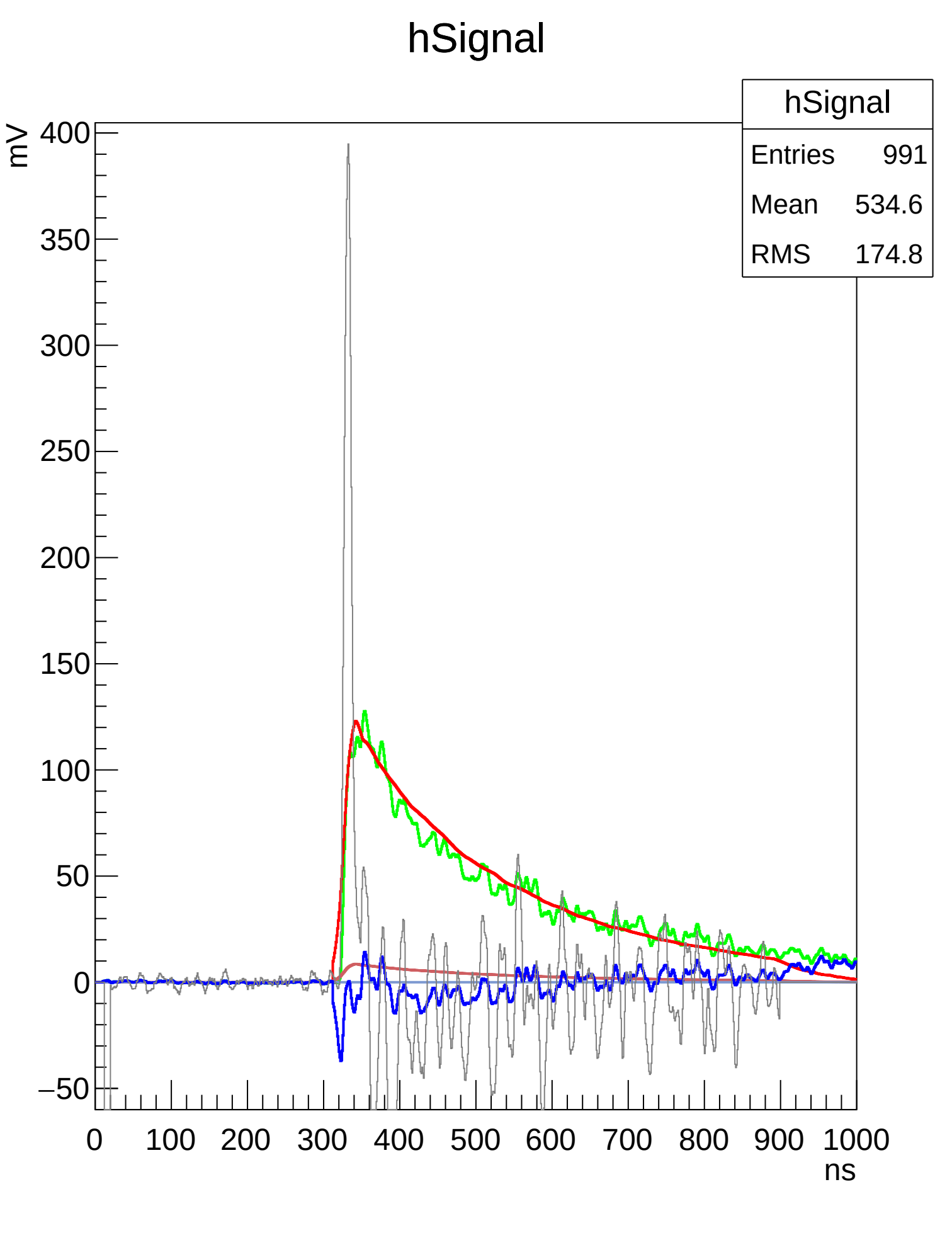

hSignal
hSignal
Entries 991
Mean 562.3
RMS 161
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

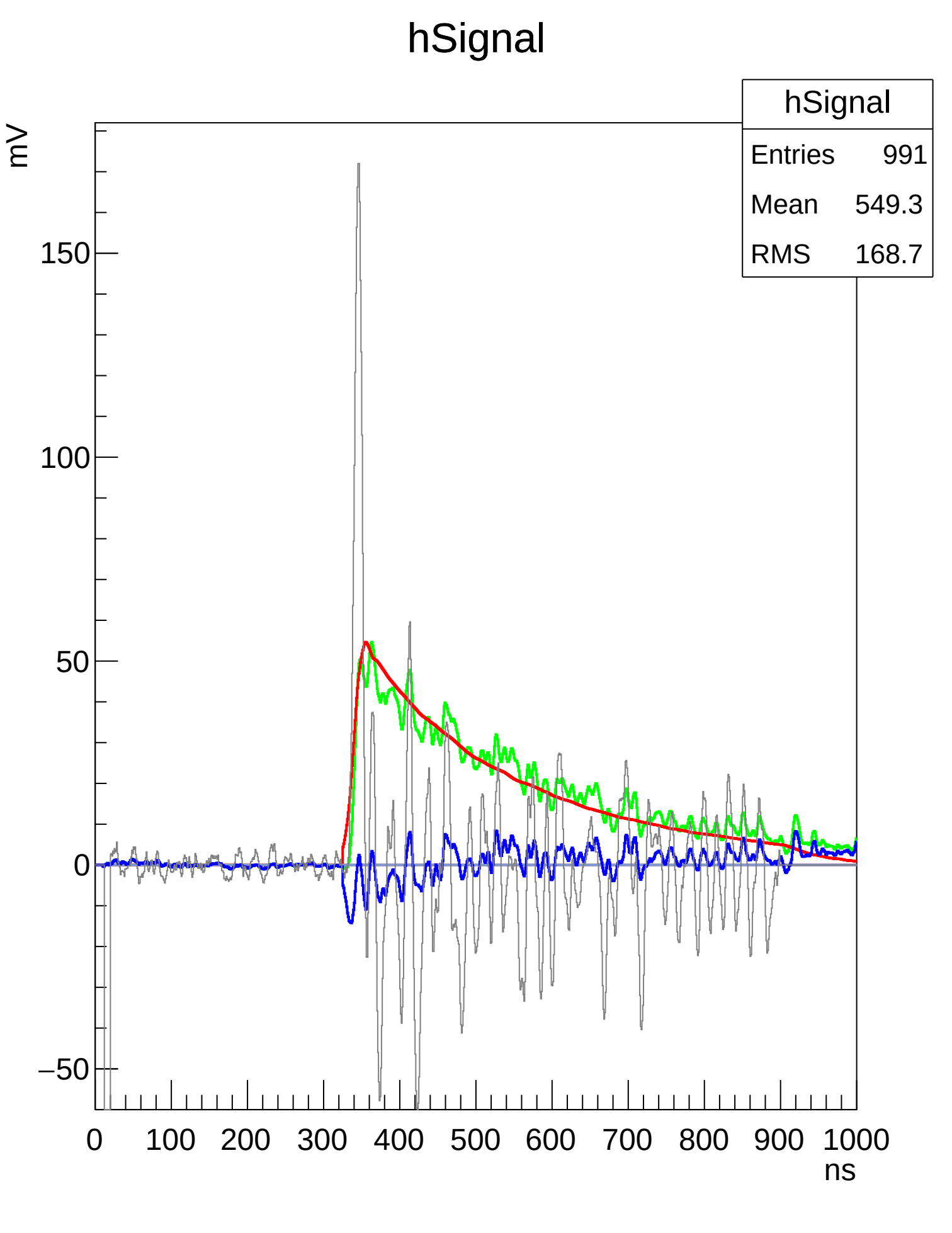

hSignal
hSignal
Entries 991
Mean 557.4
RMS 93.53
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

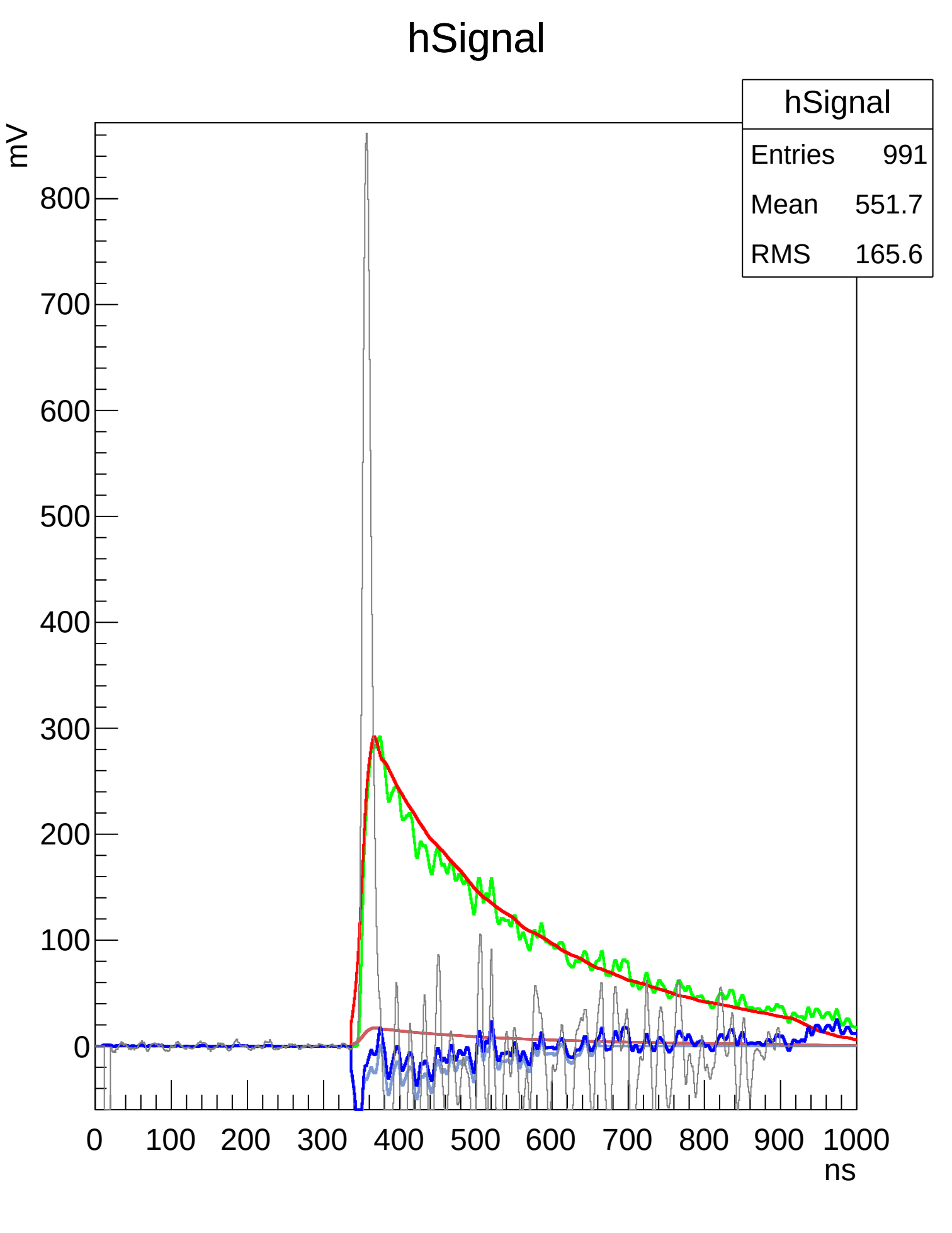

hSignal
hSignal
Entries 991
Mean 490.8
RMS 186.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

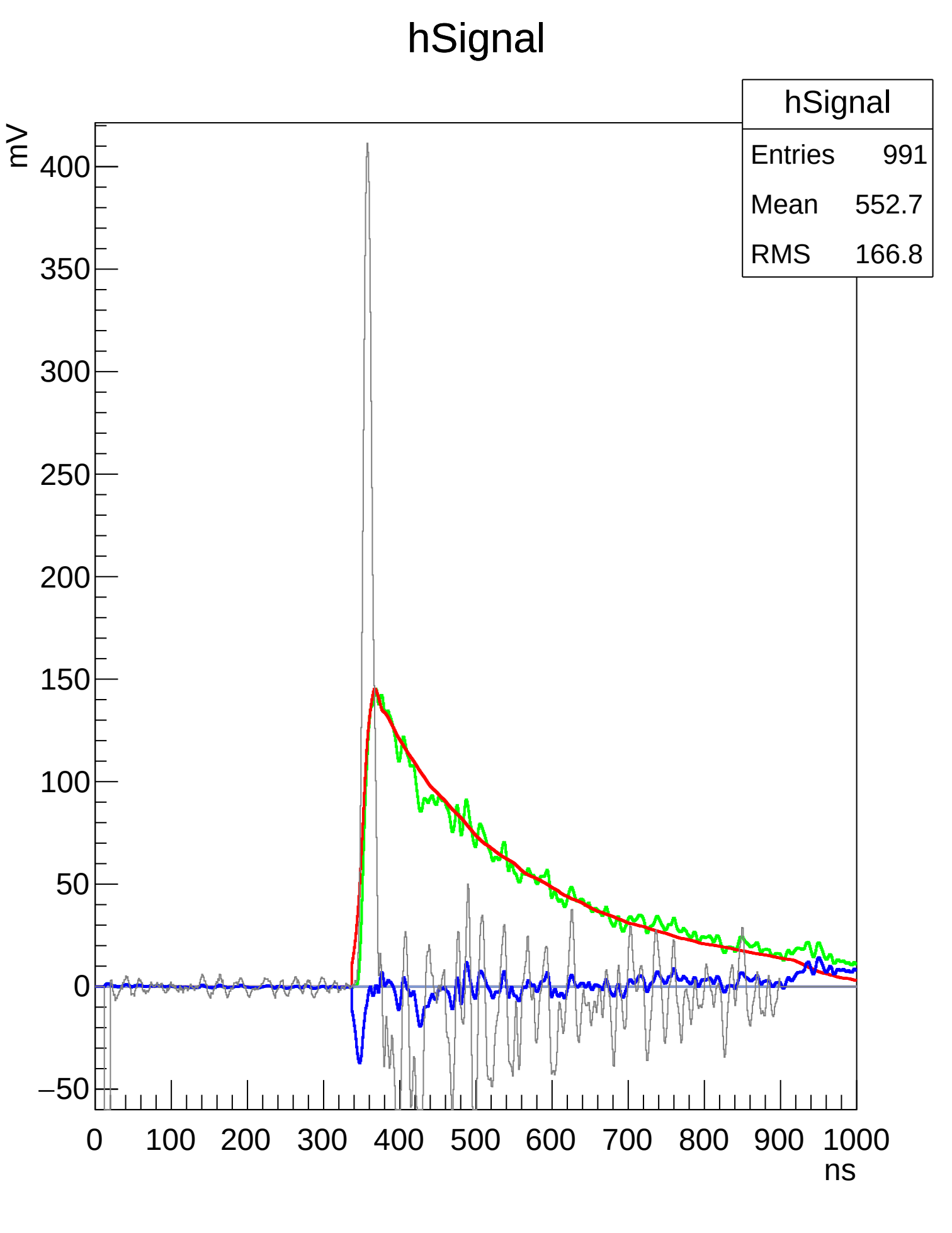

hSignal
hSignal
Entries 991
Mean 562.2
RMS 155.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

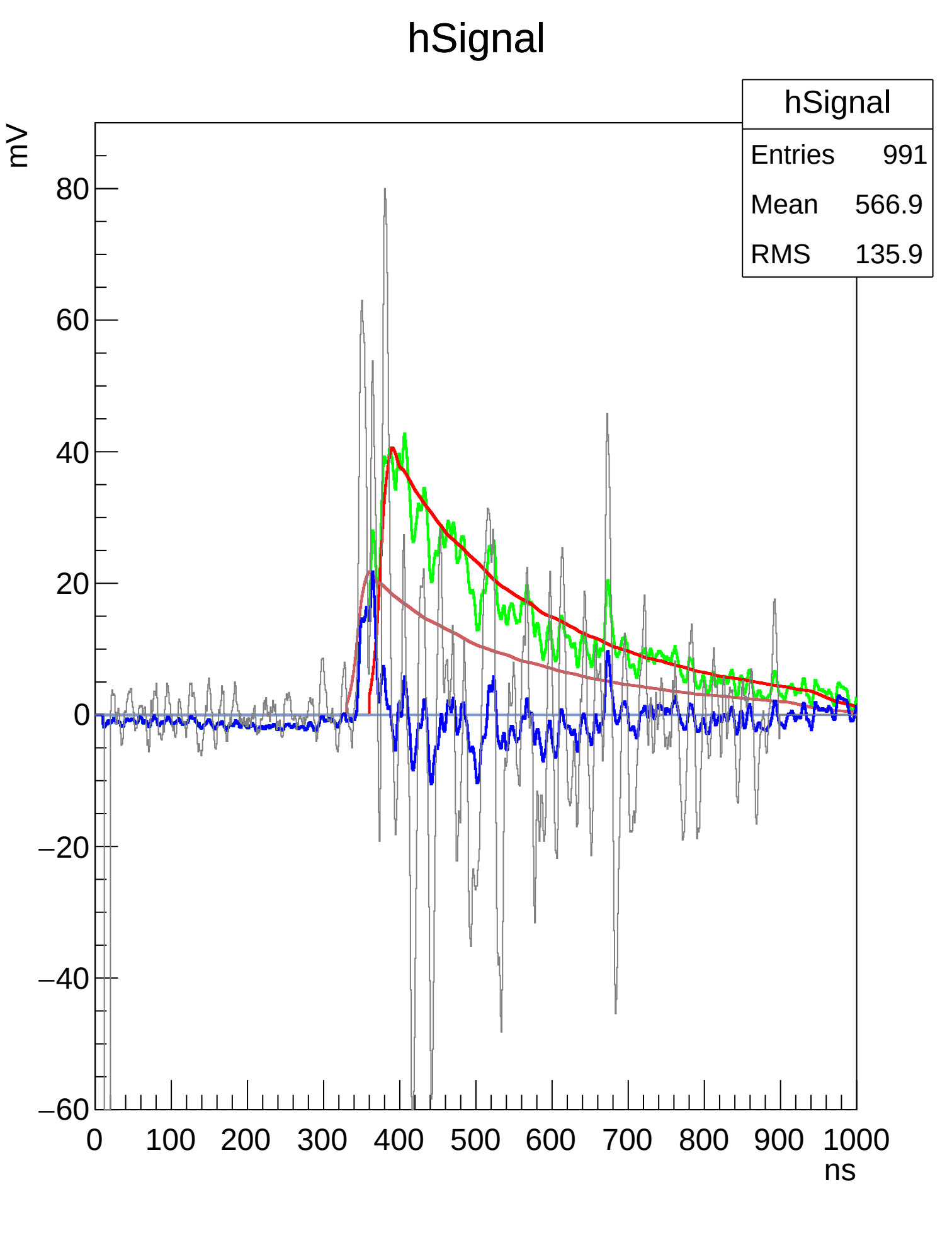

hSignal
hSignal
Entries 991
Mean 507.5
RMS 180.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

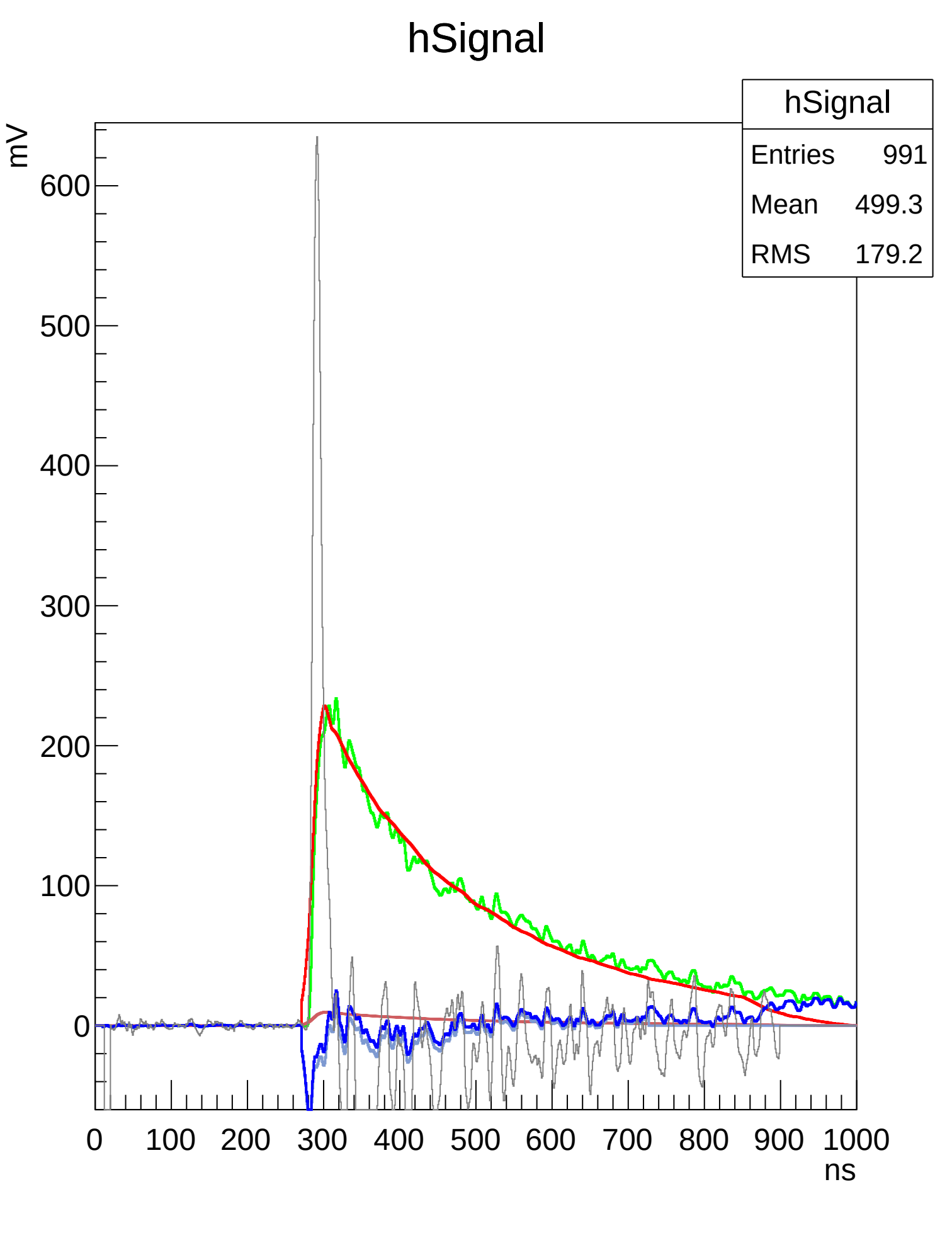

hSignal
hSignal
Entries 991
Mean 534.6
RMS 174.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

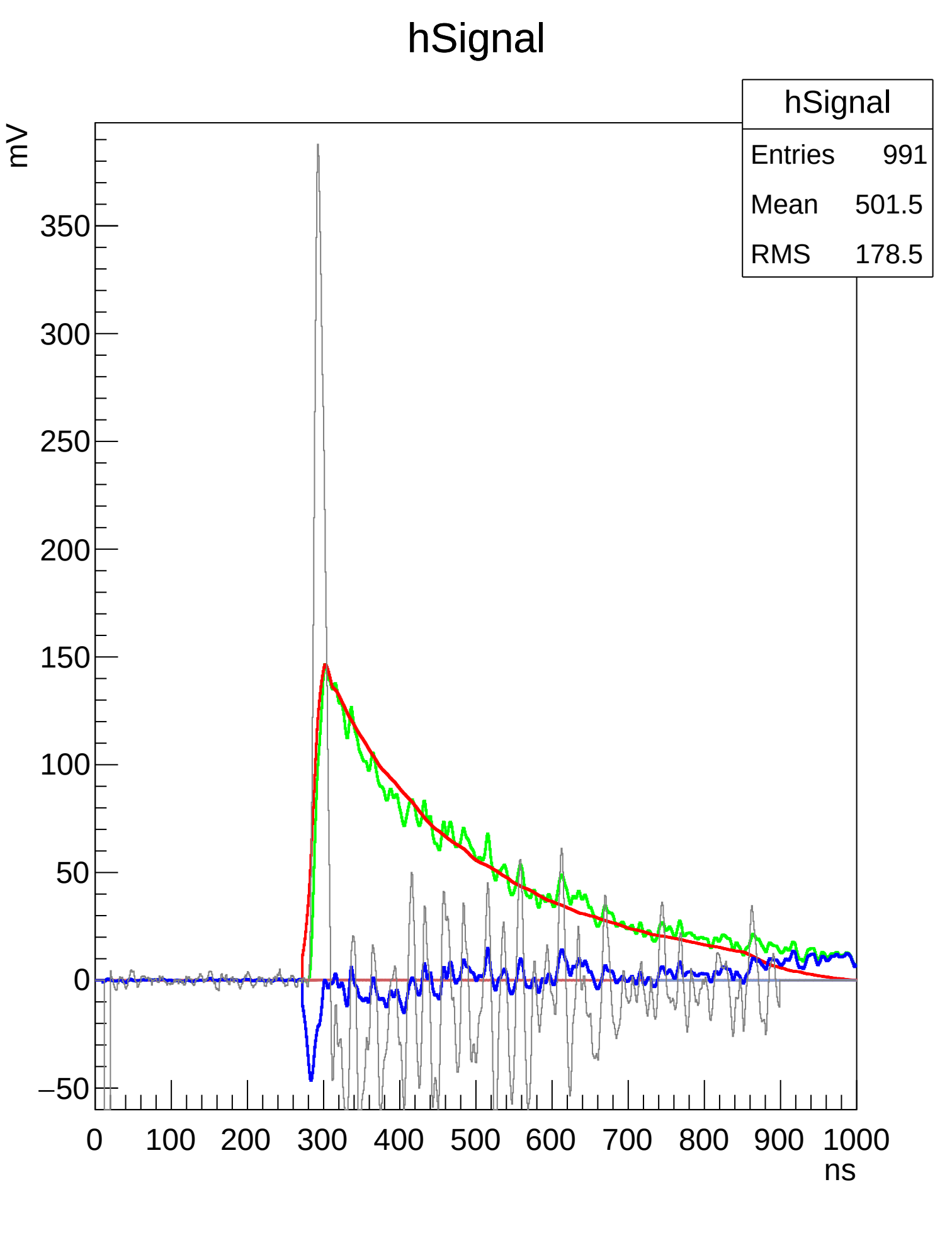

hSignal
hSignal
Entries 991
Mean 549.3
RMS 168.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

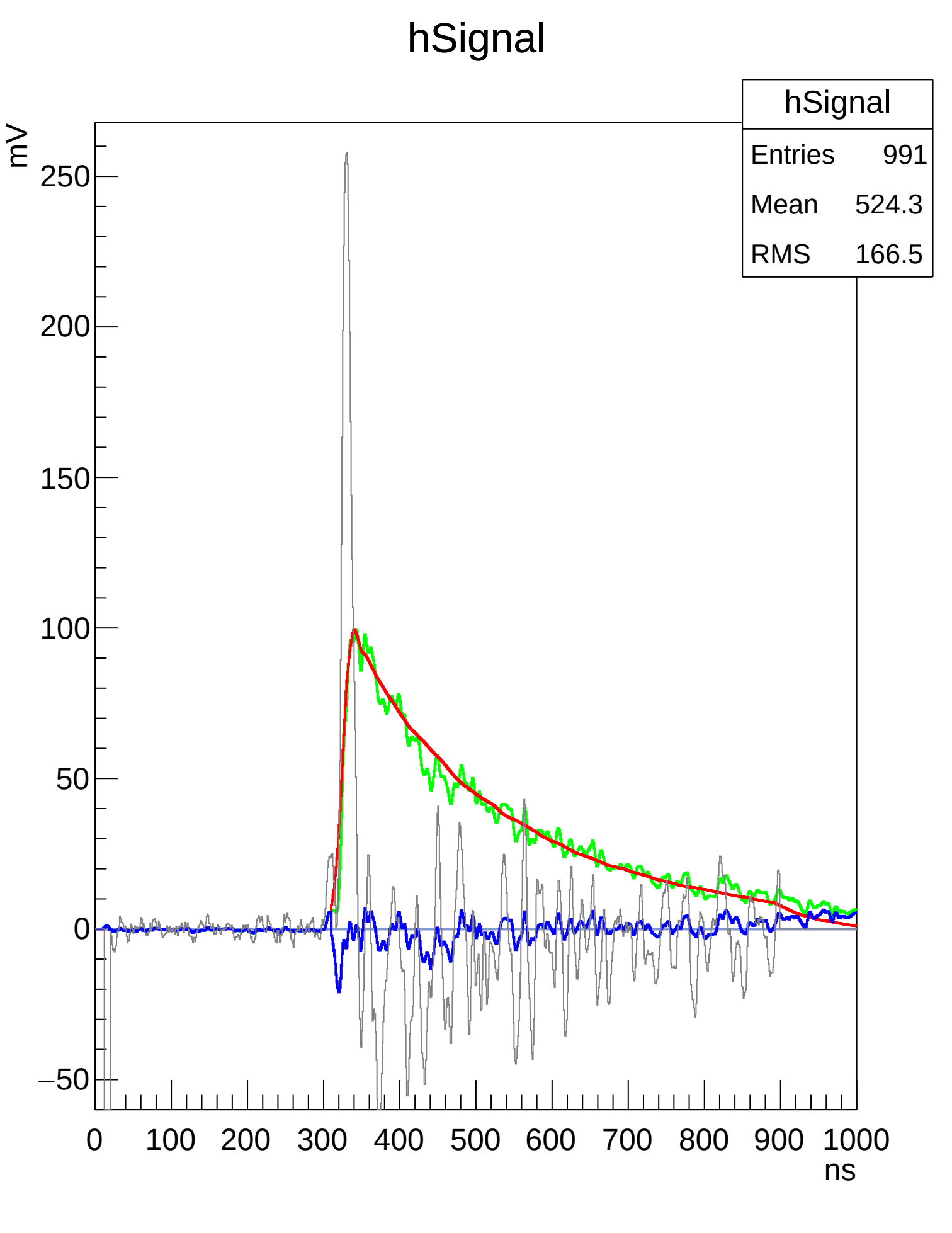

hSignal
hSignal
Entries 991
Mean 551.7
RMS 165.6
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

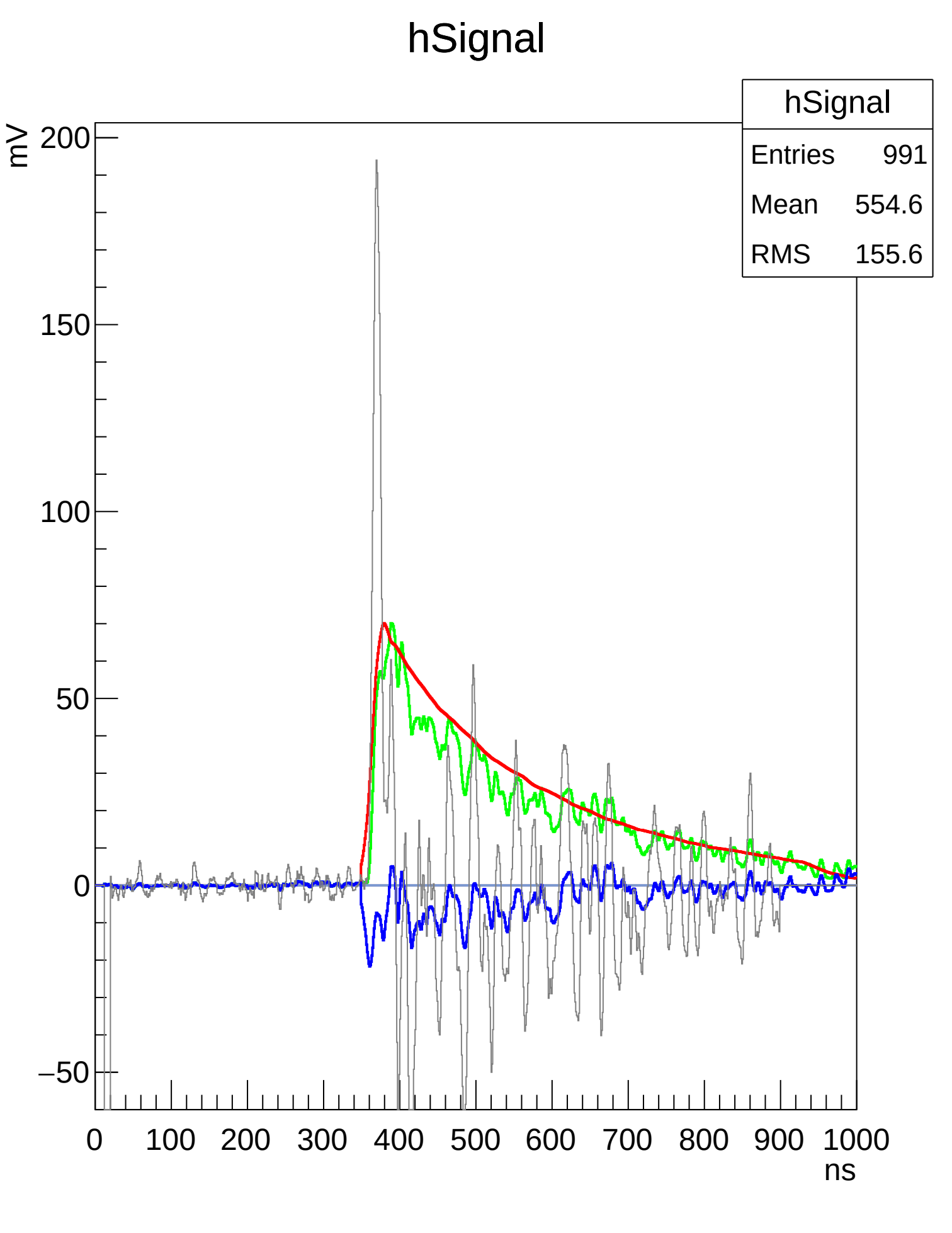

hSignal
hSignal
Entries 991
Mean 552.7
RMS 166.8
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

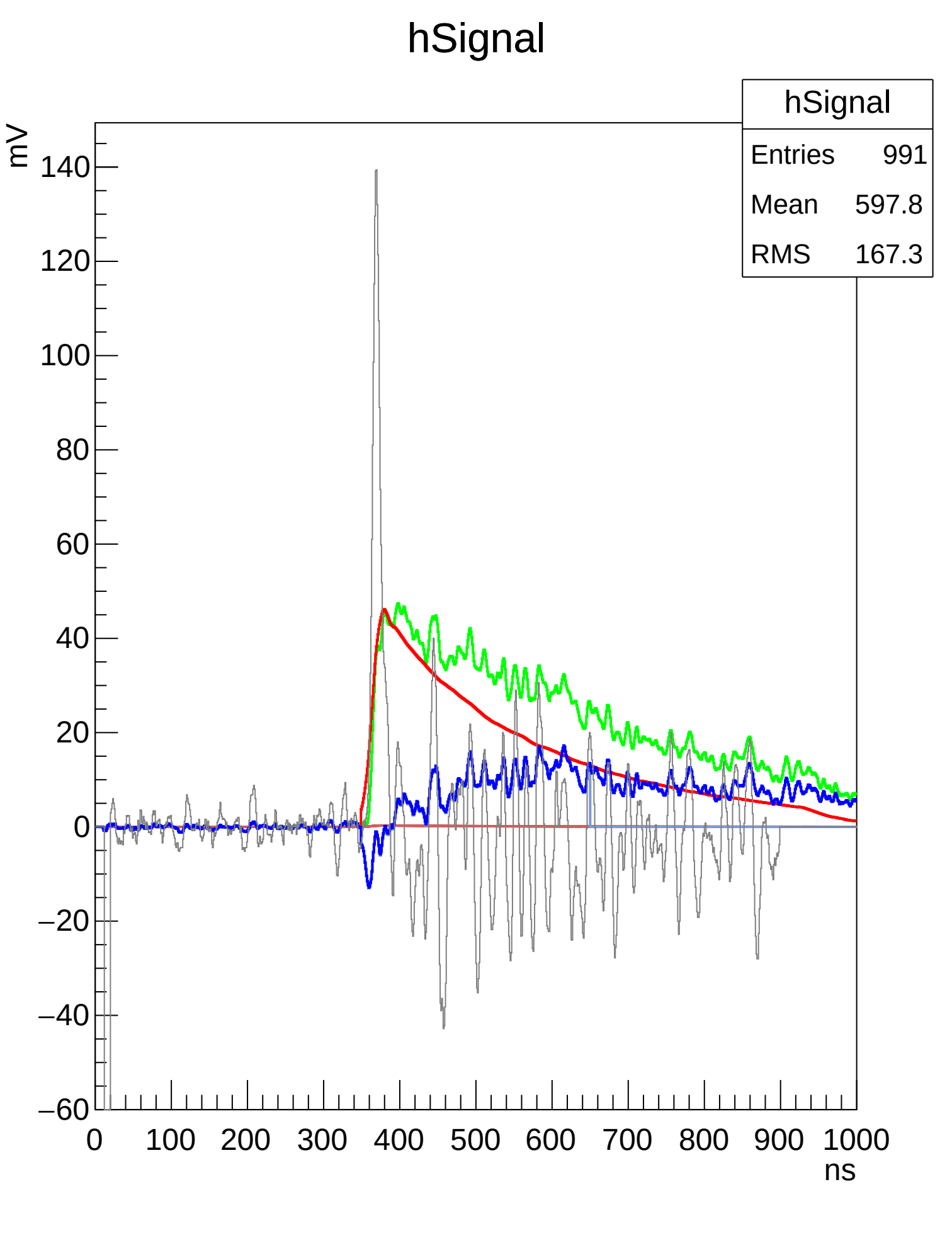

hSignal
hSignal
Entries 991
Mean 566.9
RMS 135.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

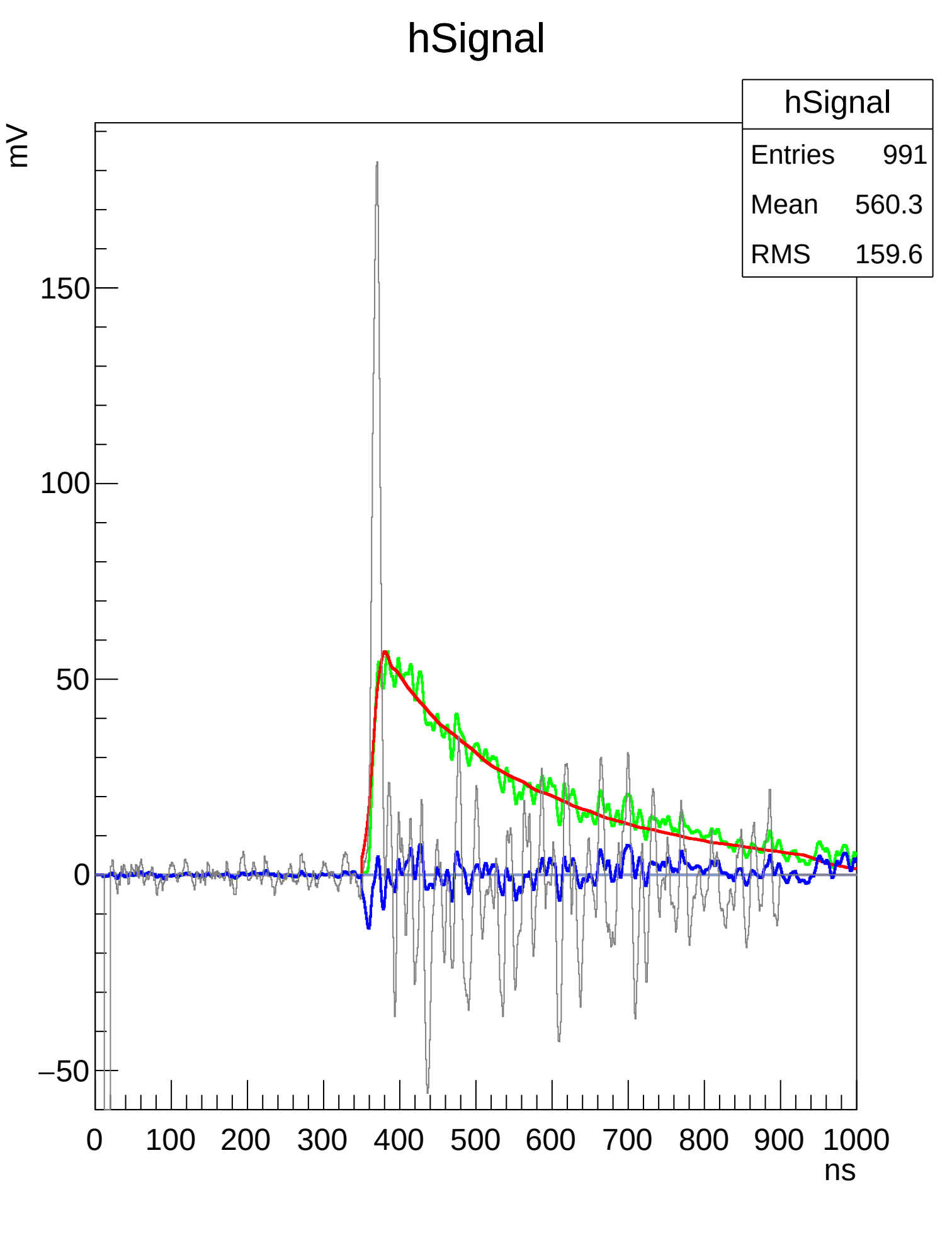

hSignal
hSignal
Entries 991
Mean 499.3
RMS 179.2
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

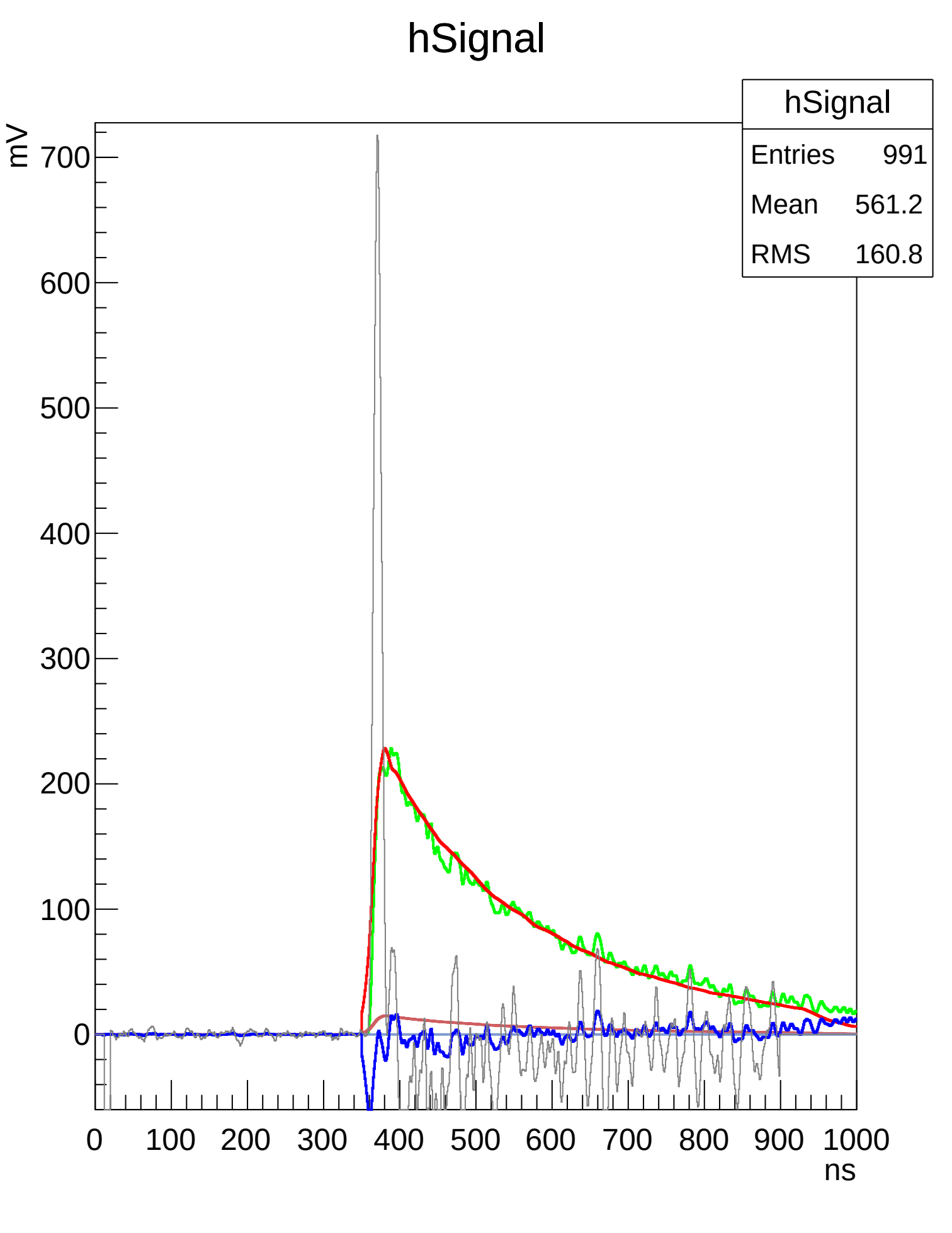

hSignal
hSignal
Entries 991
Mean 501.5
RMS 178.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

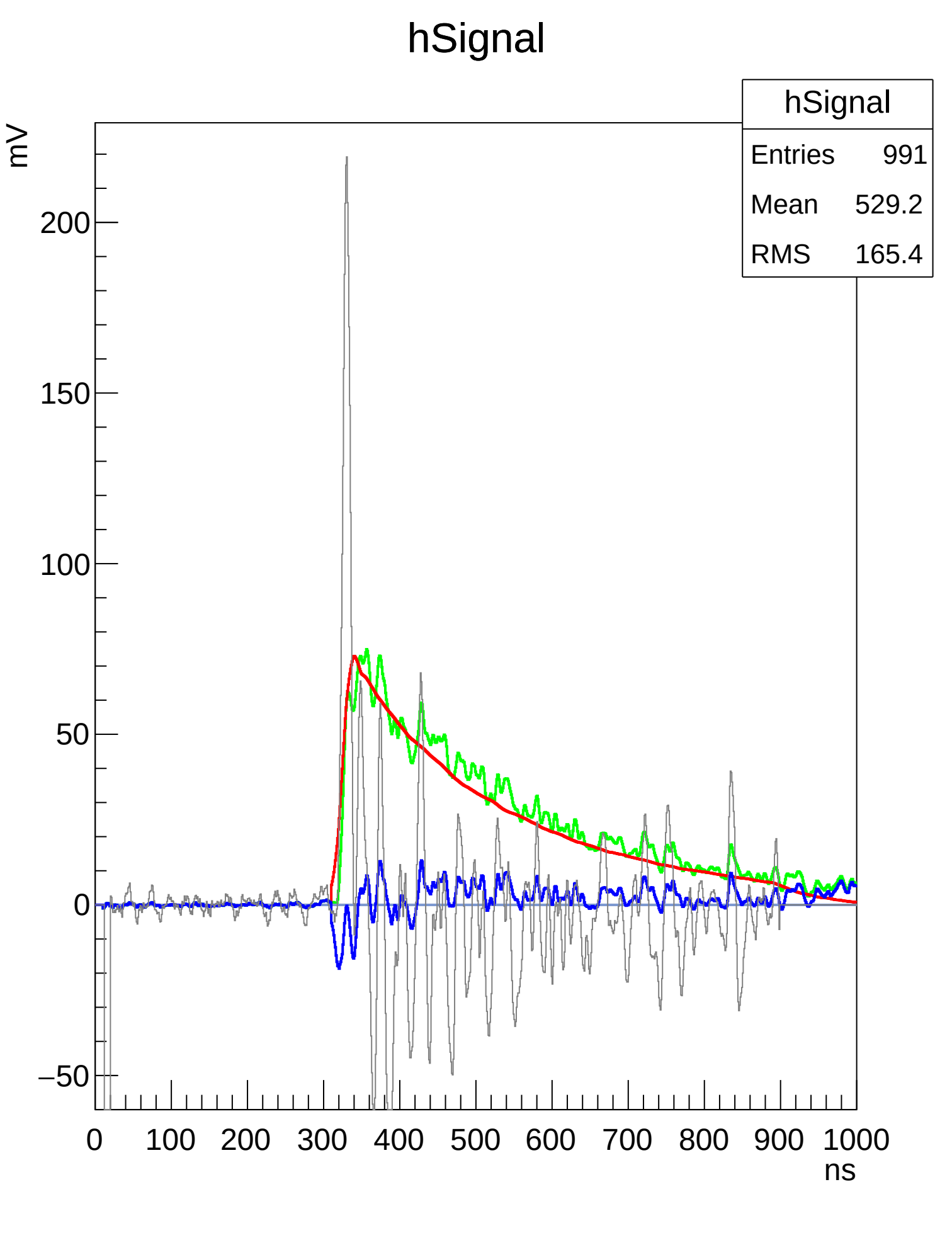

hSignal
hSignal
Entries 991
Mean 524.3
RMS 166.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

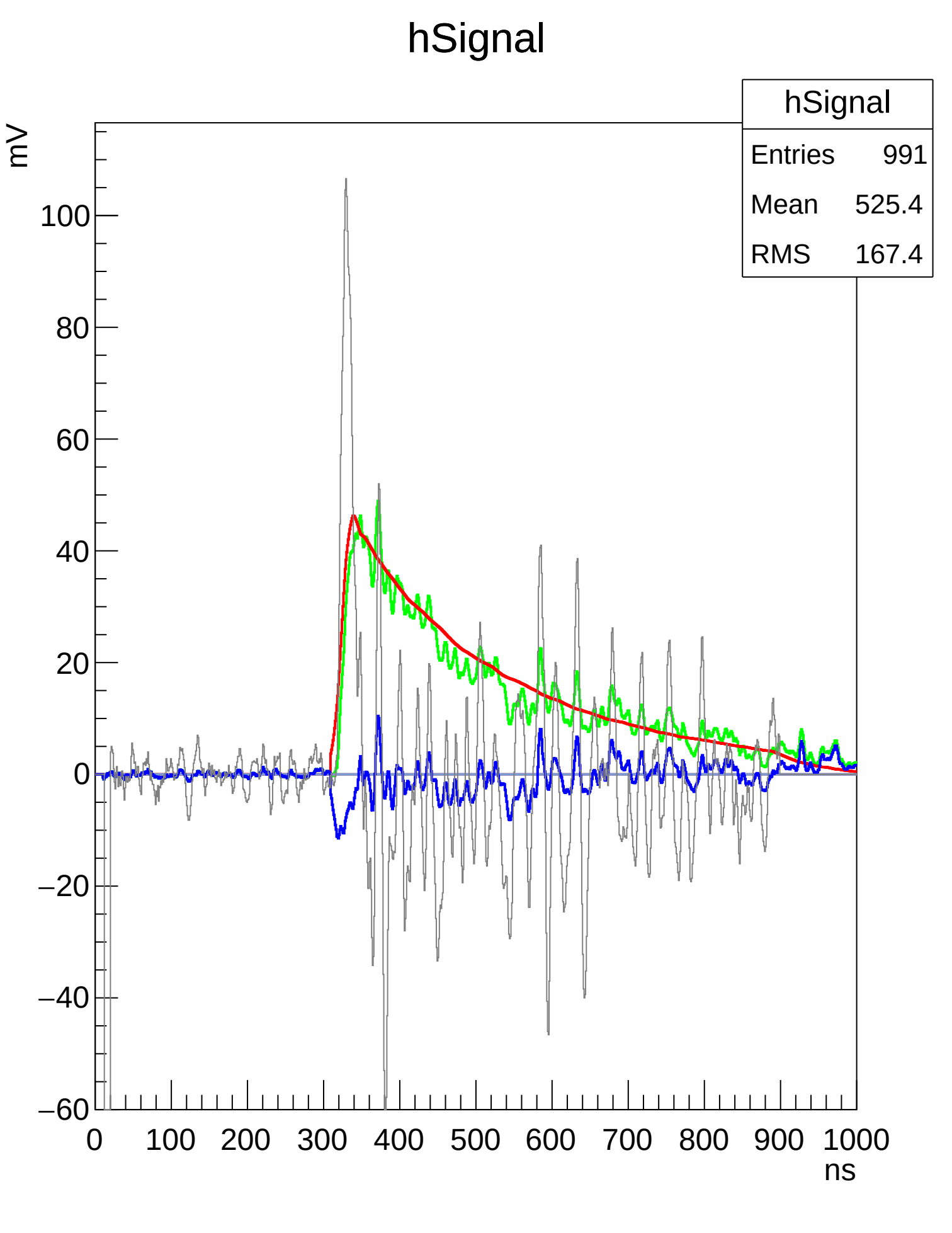

hSignal
hSignal
Entries 991
Mean 554.6
RMS 155.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

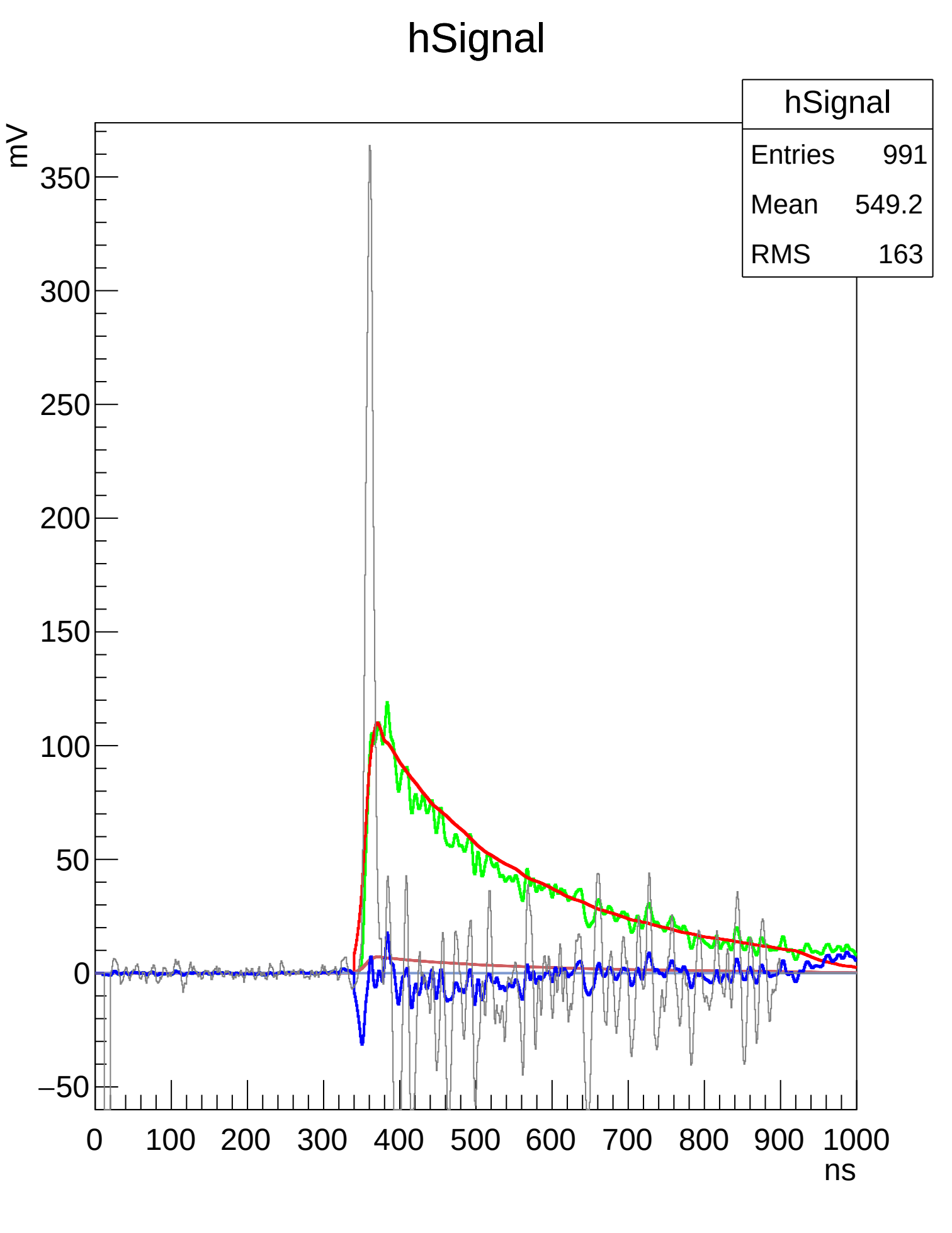

hSignal
hSignal
Entries 991
Mean 597.8
RMS 167.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

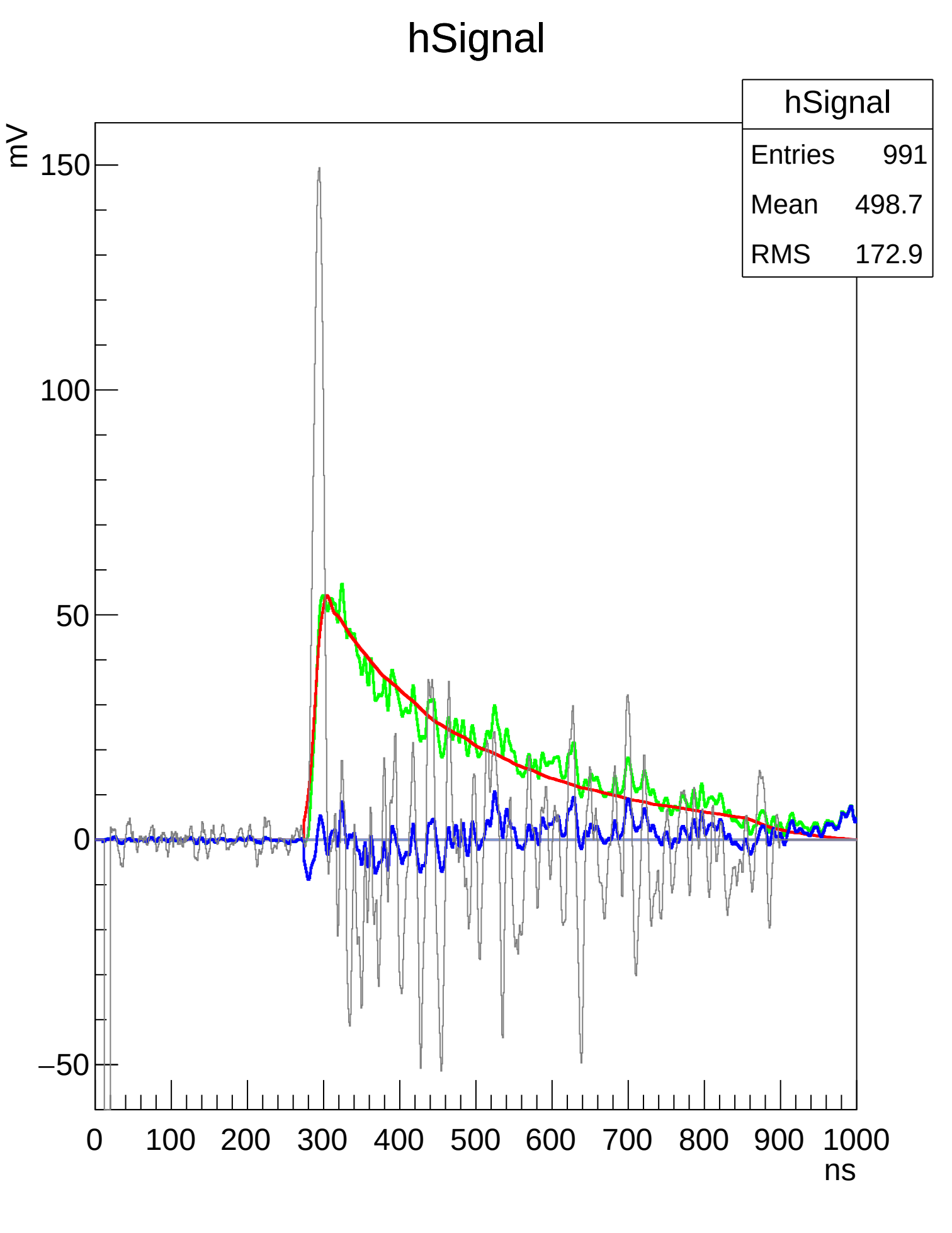

hSignal
hSignal
Entries 991
Mean 560.3
RMS 159.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

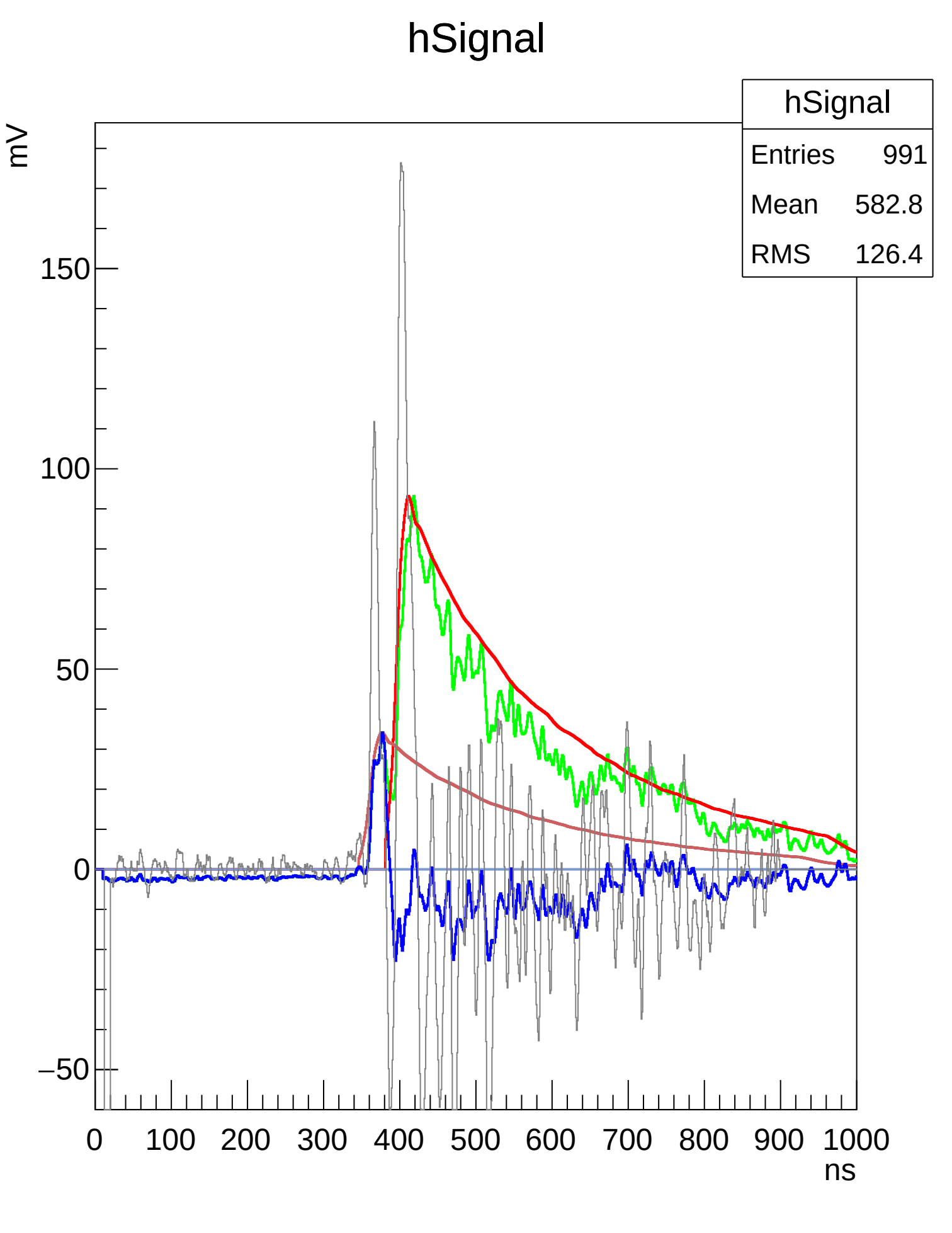

hSignal
hSignal
Entries 991
Mean 561.2
RMS 160.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

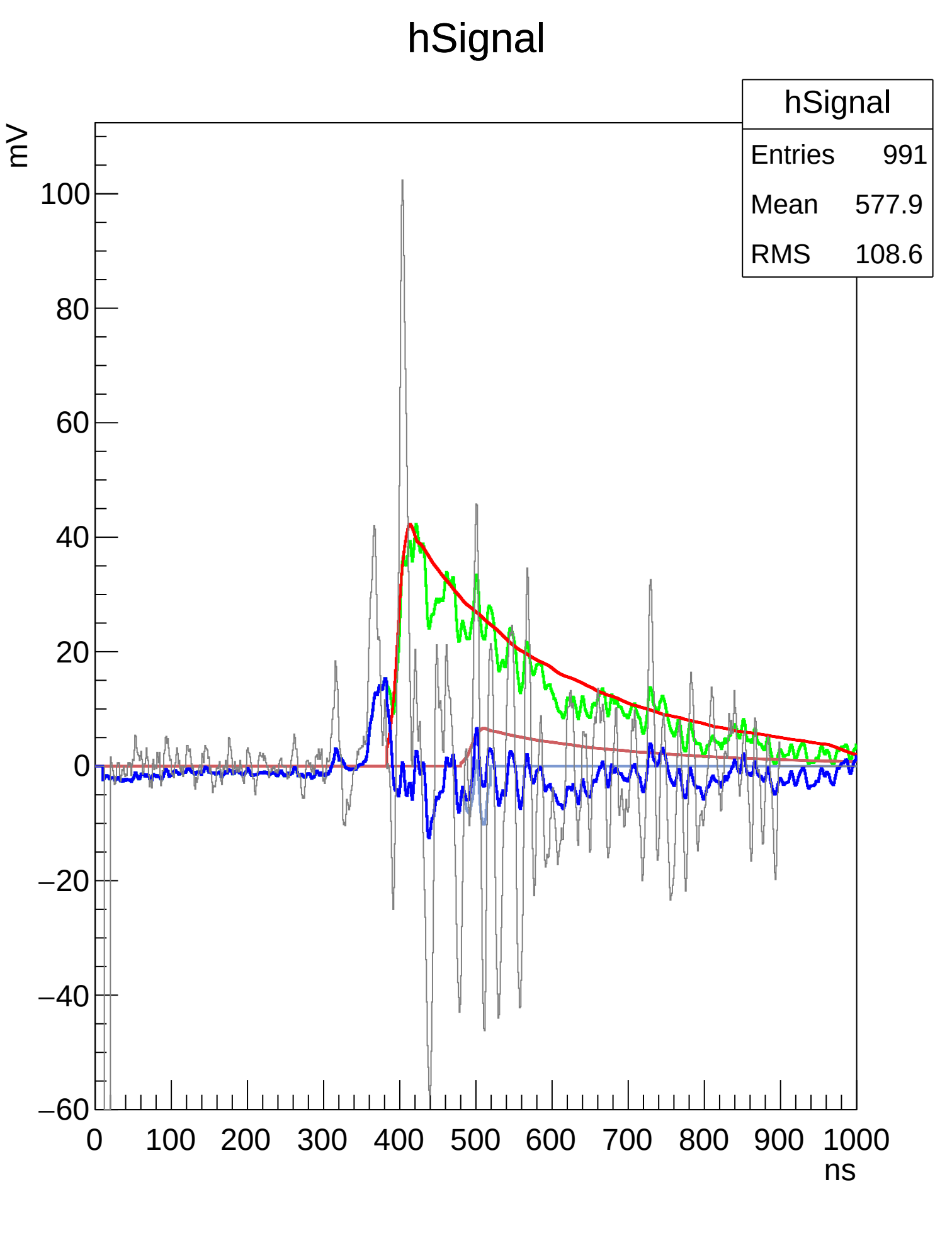

hSignal
hSignal
Entries 991
Mean 529.2
RMS 165.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

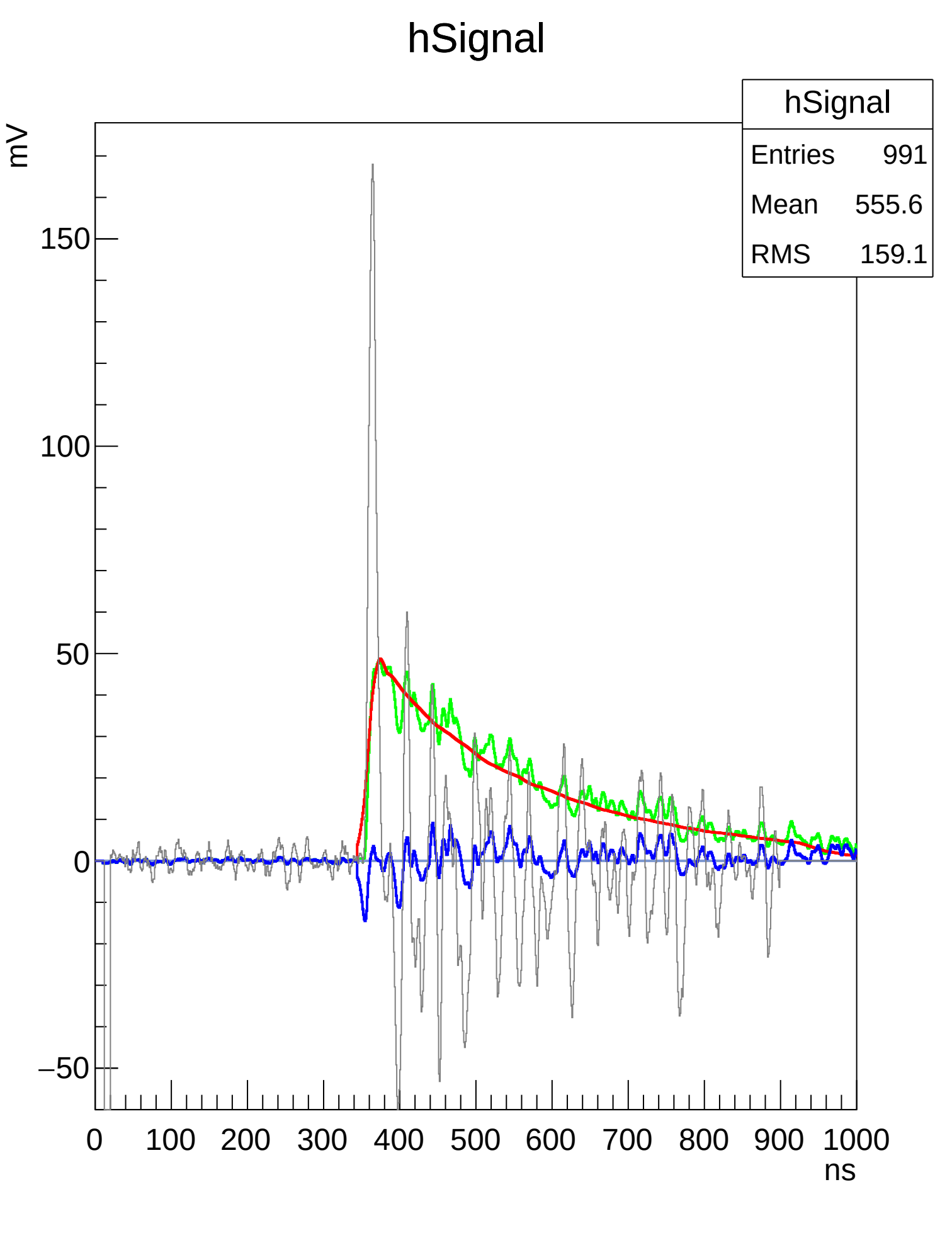

hSignal
hSignal
Entries 991
Mean 525.4
RMS 167.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

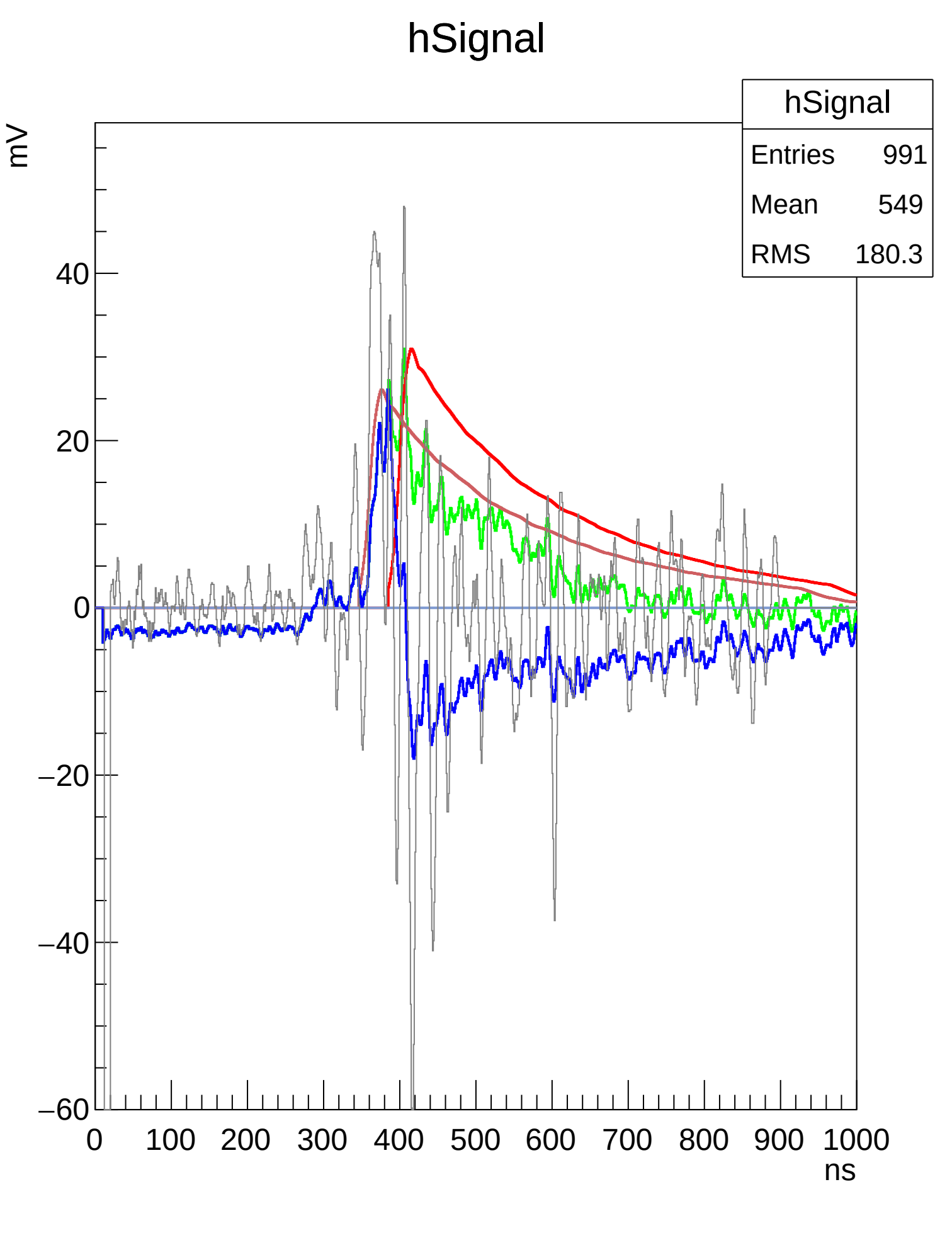

hSignal
hSignal
Entries 991
Mean 549.2
RMS 163
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

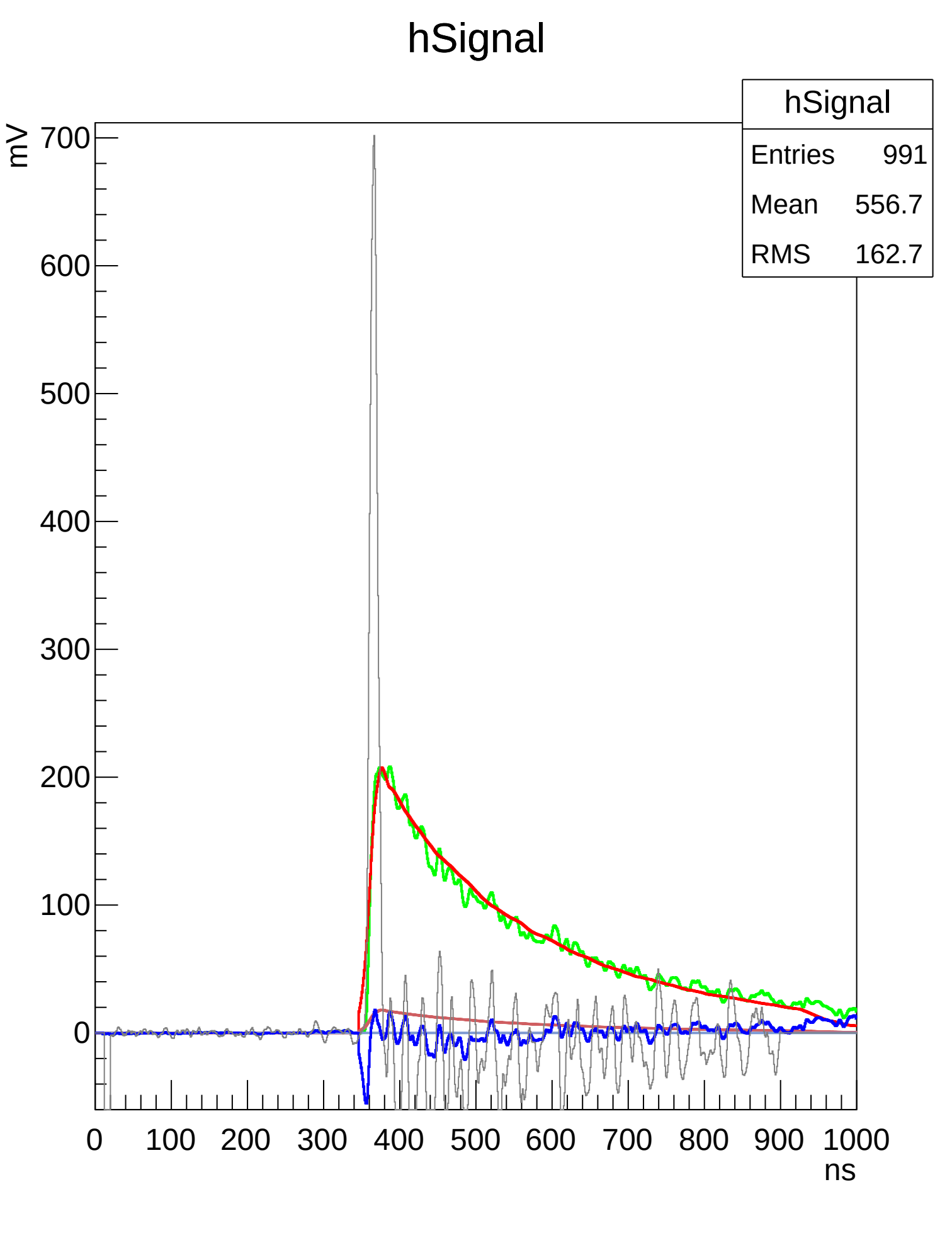

hSignal
hSignal
Entries 991
Mean 498.7
RMS 172.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

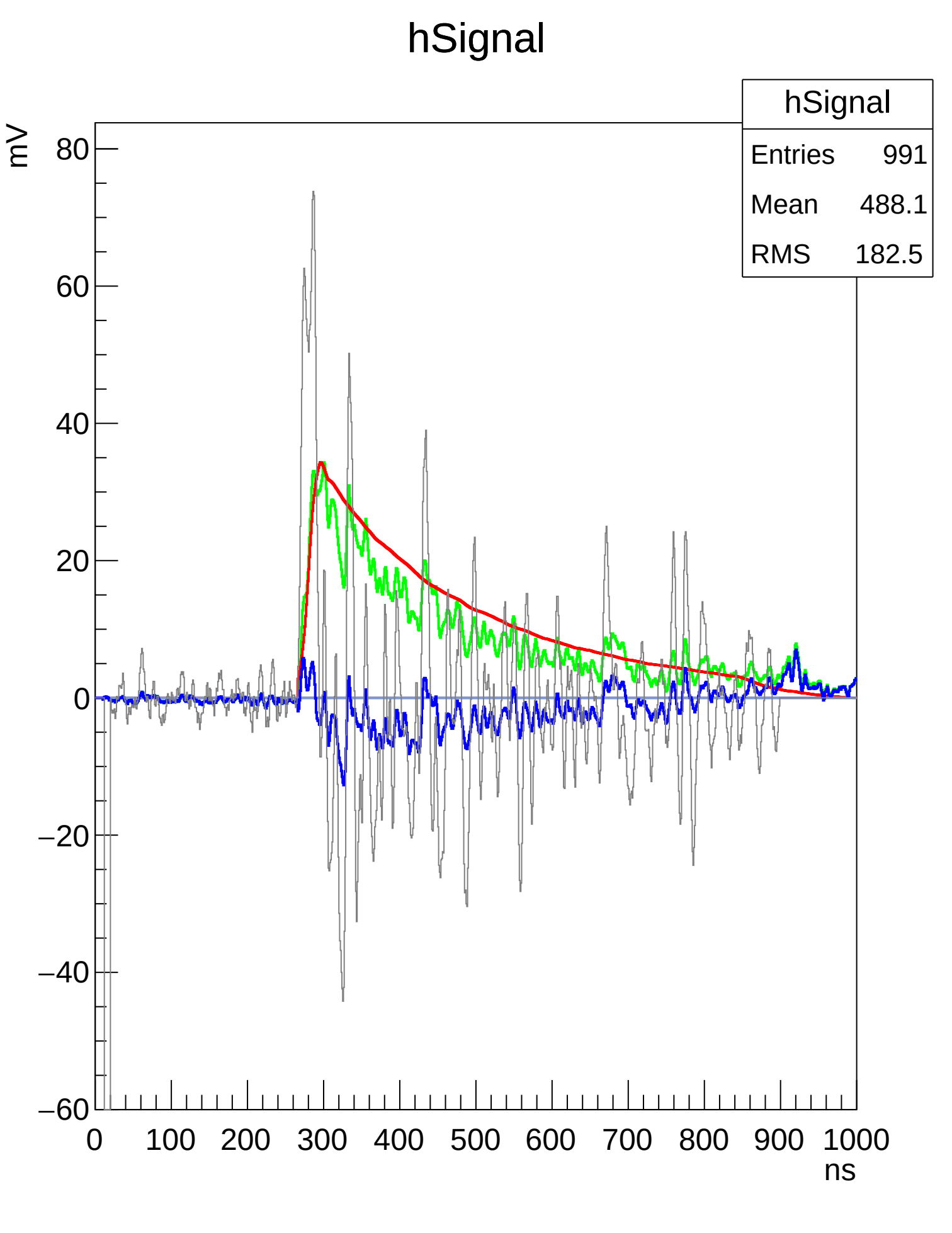

hSignal
hSignal
Entries 991
Mean 582.8
RMS 126.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

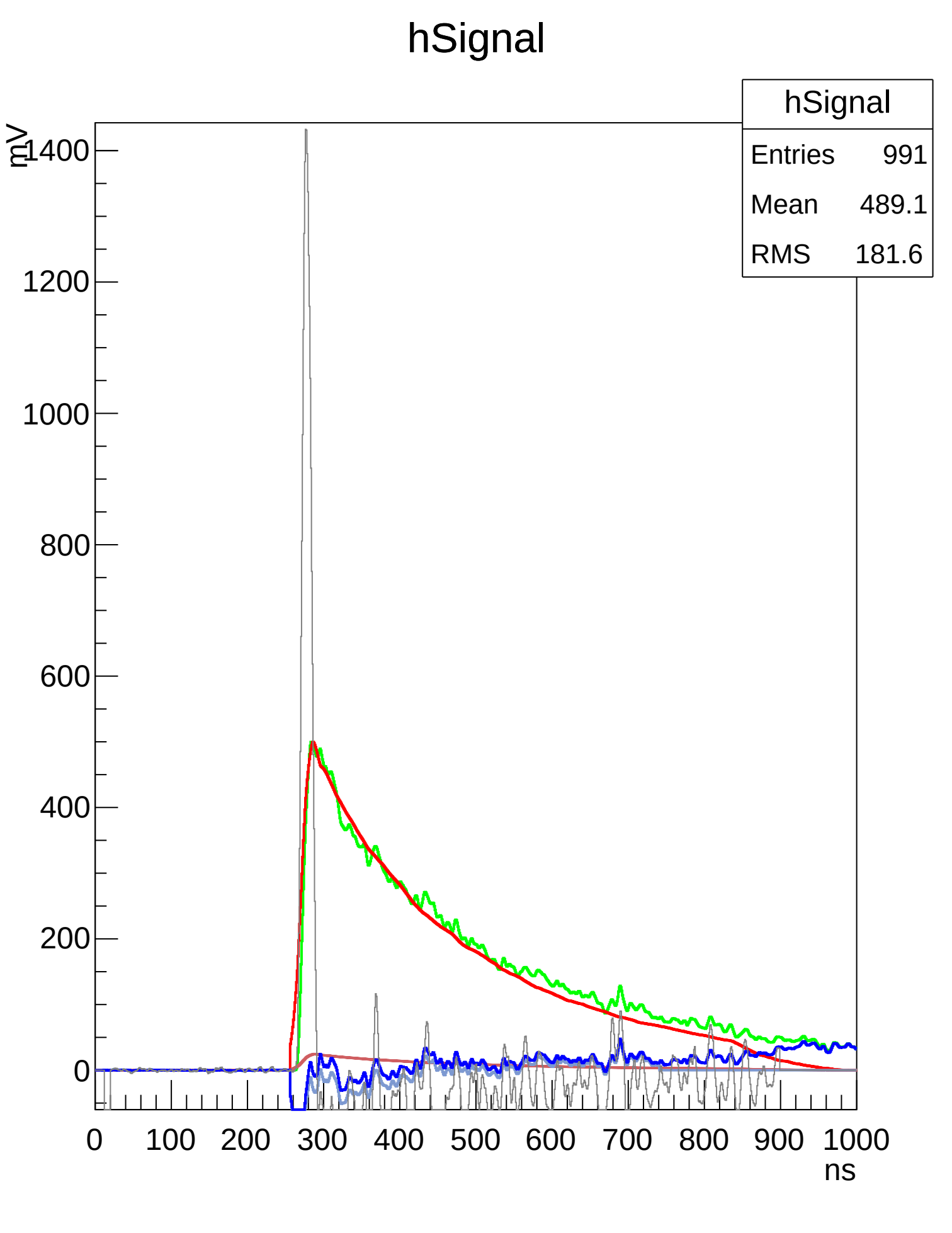

hSignal
hSignal
Entries 991
Mean 577.9
RMS 108.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

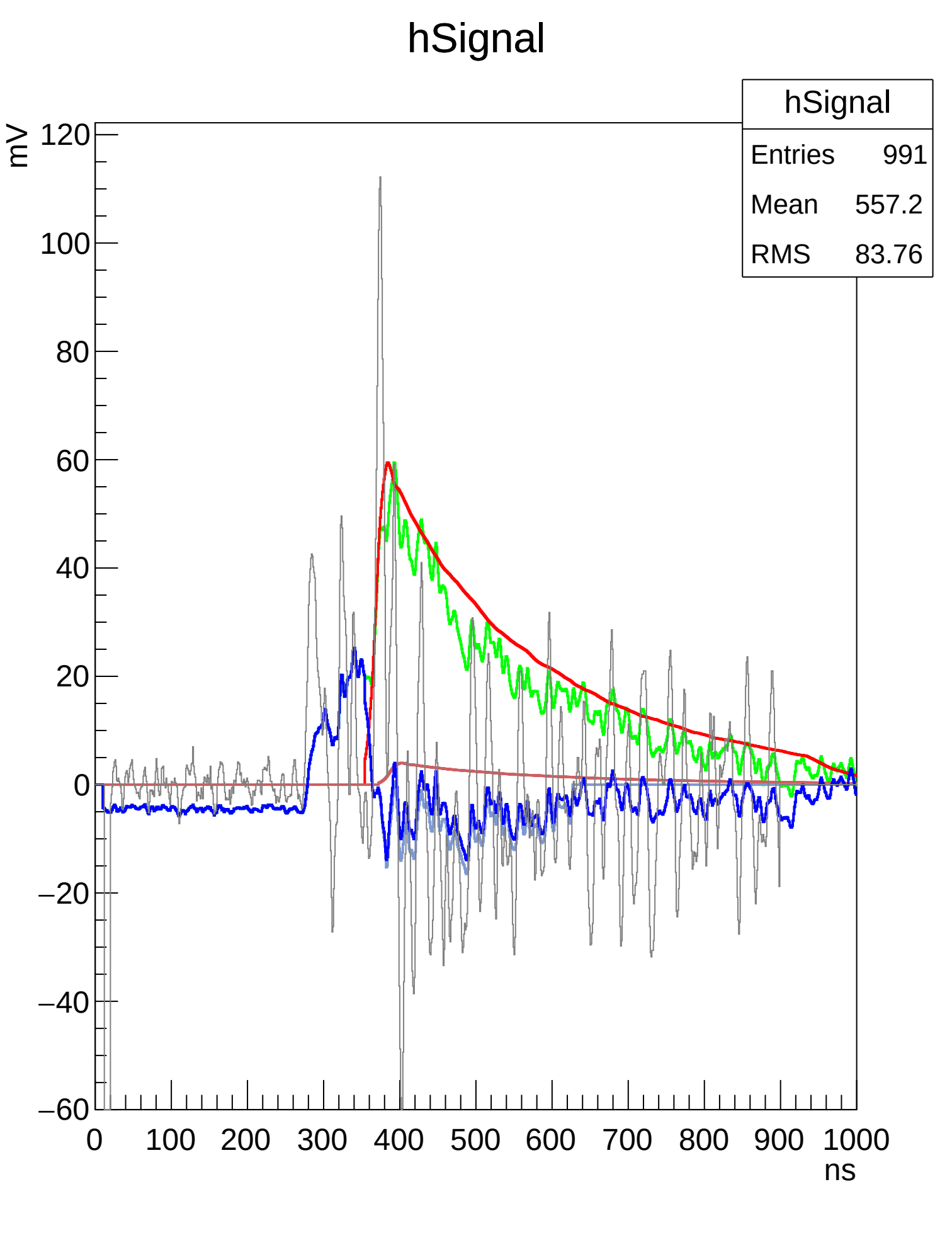

hSignal
hSignal
Entries 991
Mean 555.6
RMS 159.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

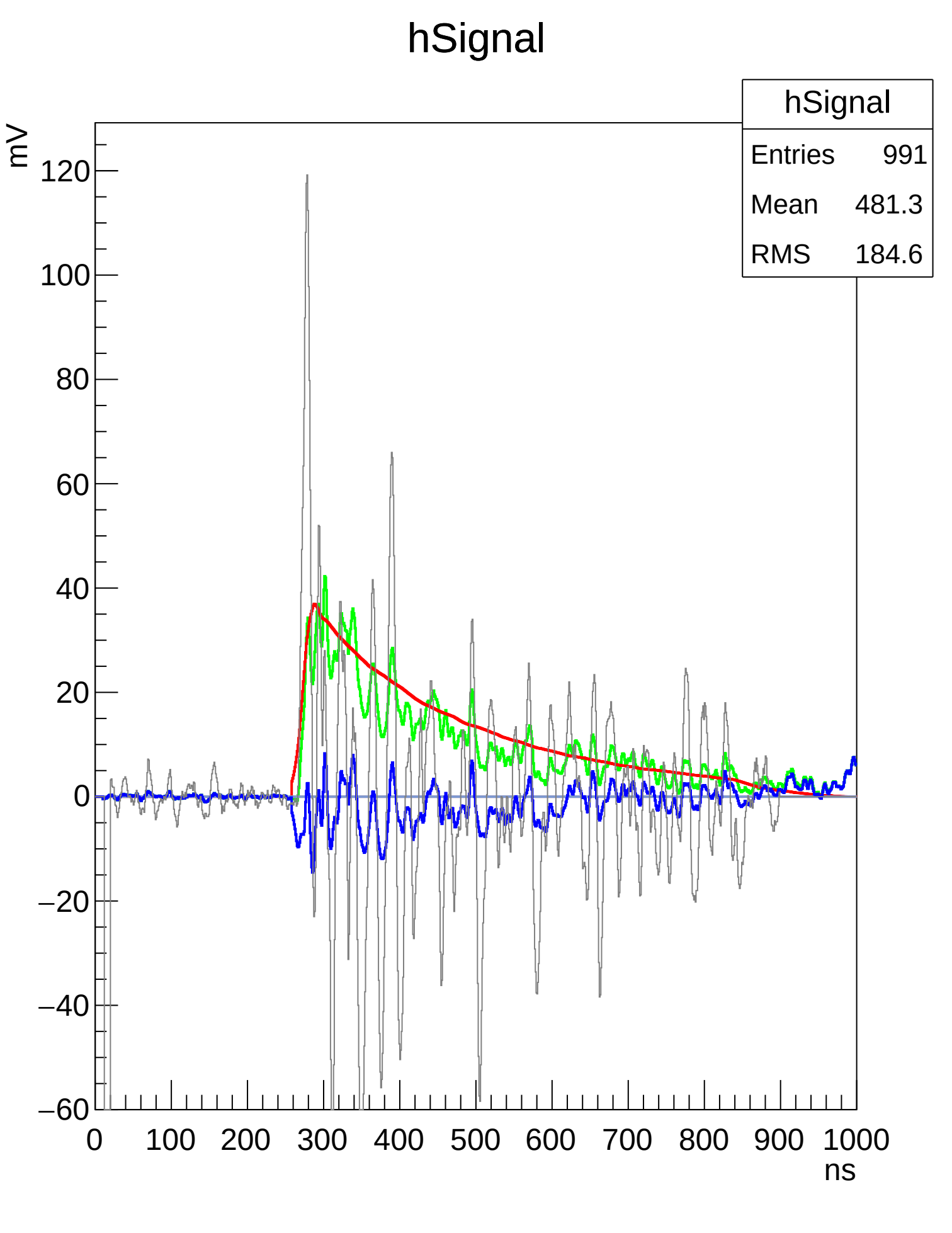

hSignal
hSignal
Entries 991
Mean 549
RMS 180.3
mV
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

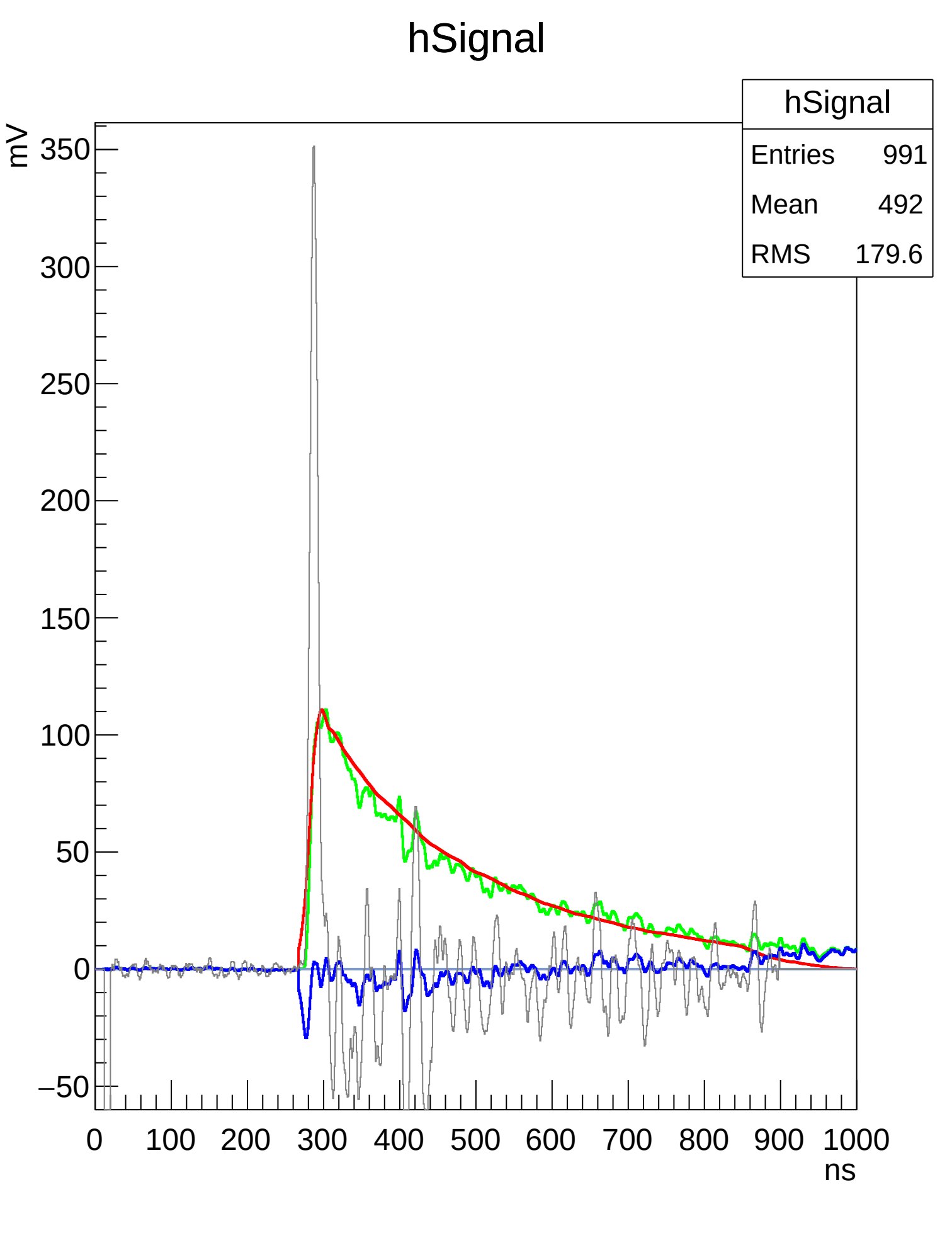

hSignal
hSignal
Entries 991
Mean 556.7
RMS 162.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

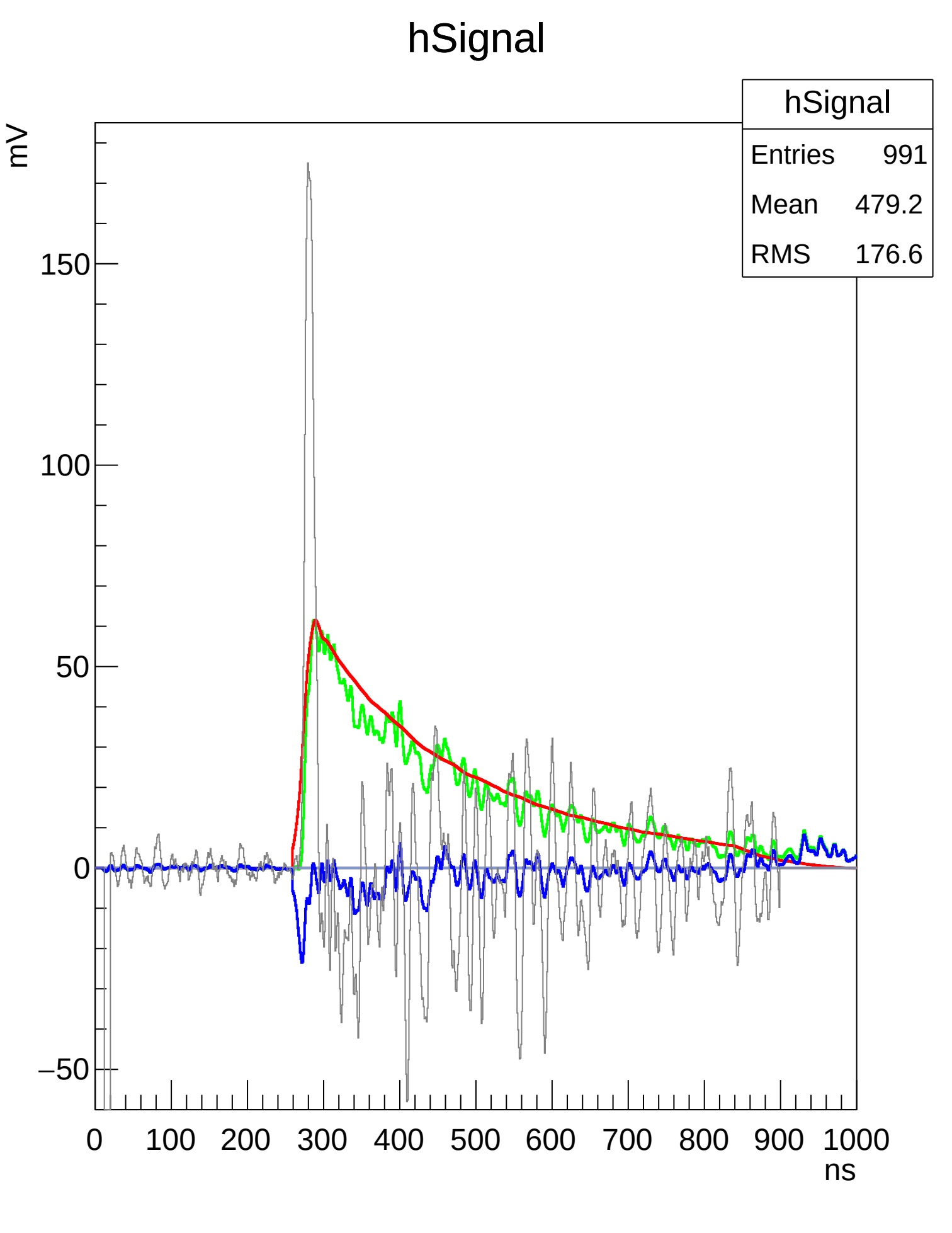

hSignal
hSignal
Entries 991
Mean 488.1
RMS 182.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

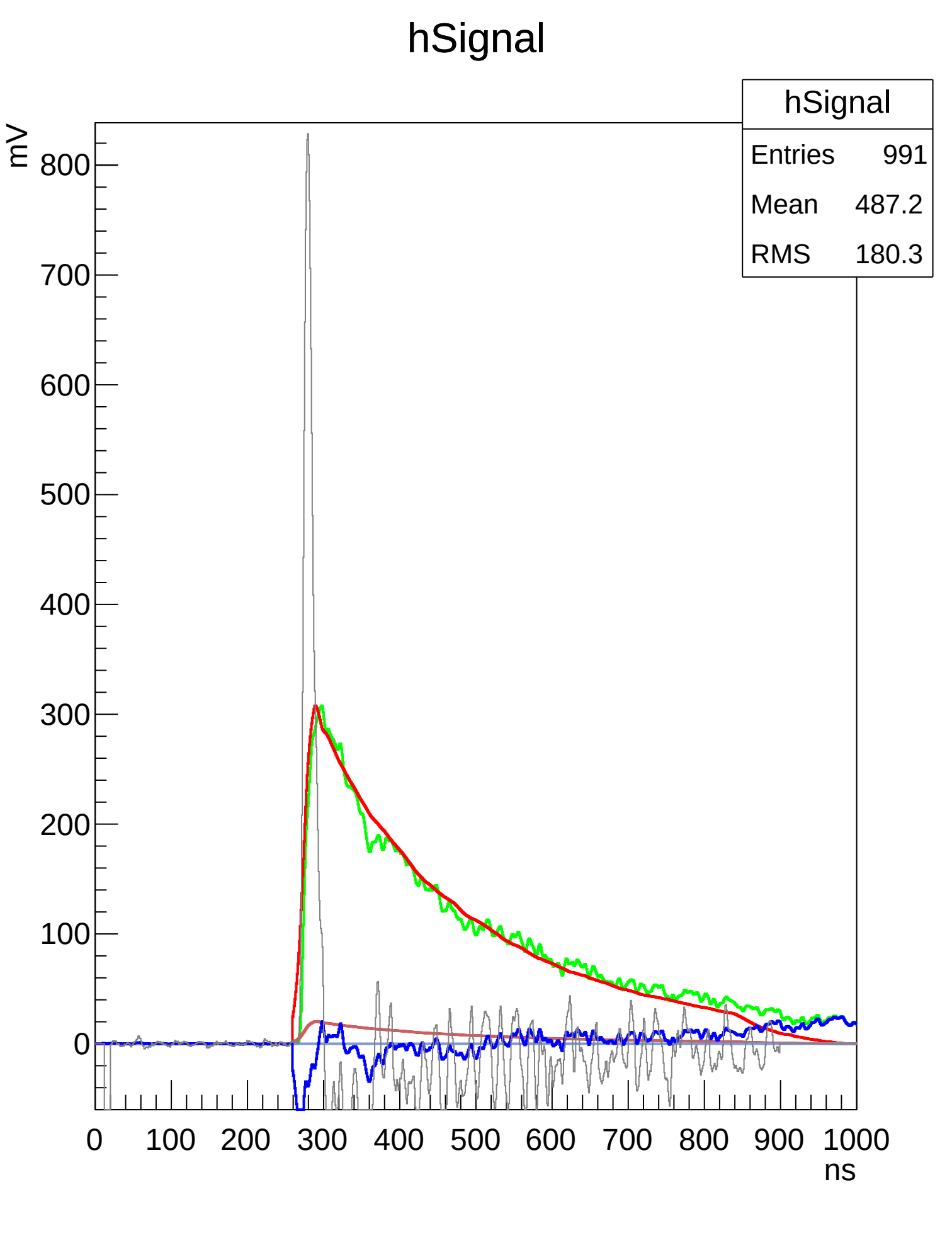

hSignal
hSignal
Entries 991
Mean 489.1
RMS 181.6
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

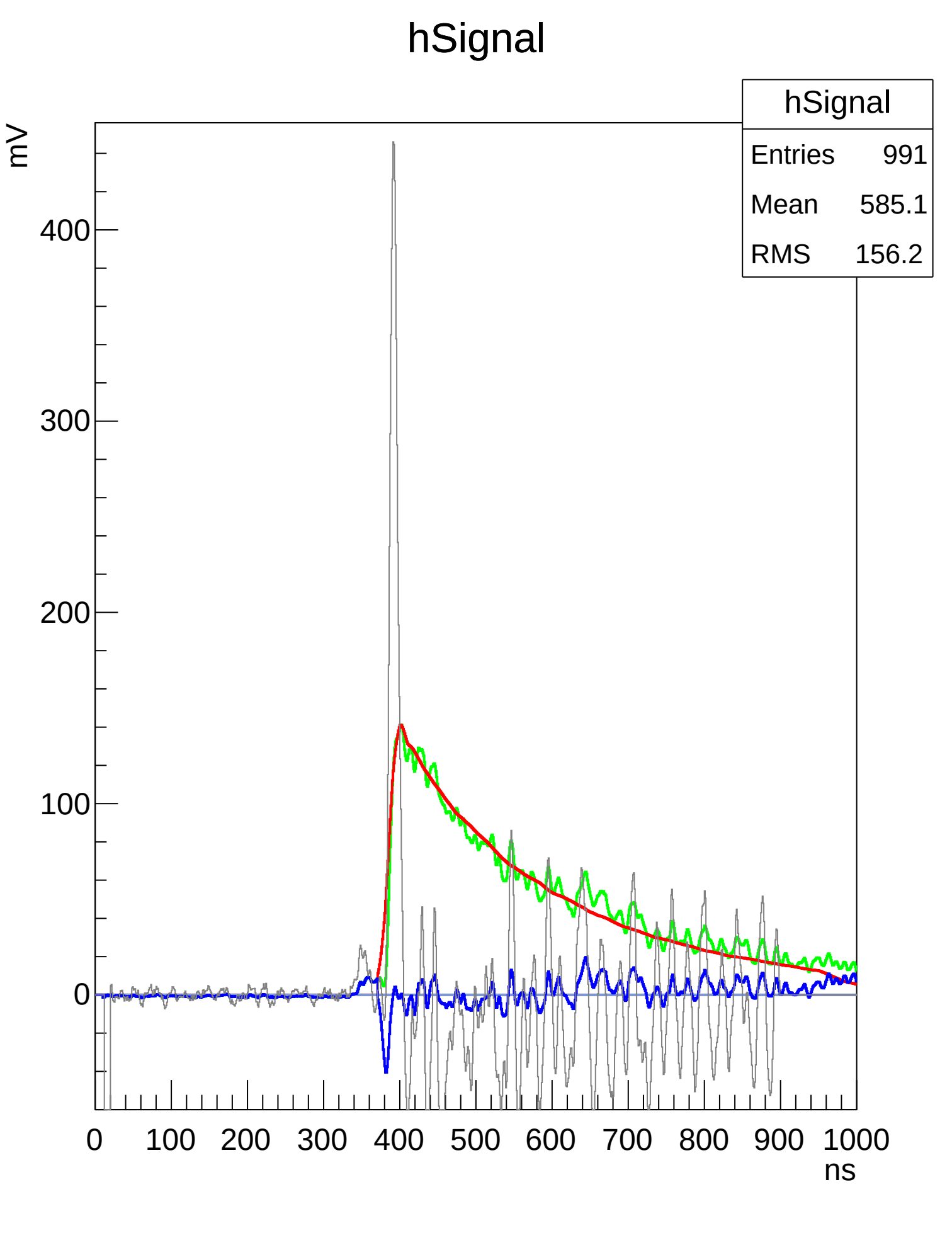

hSignal
hSignal
Entries 991
Mean 557.2
RMS 83.76
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

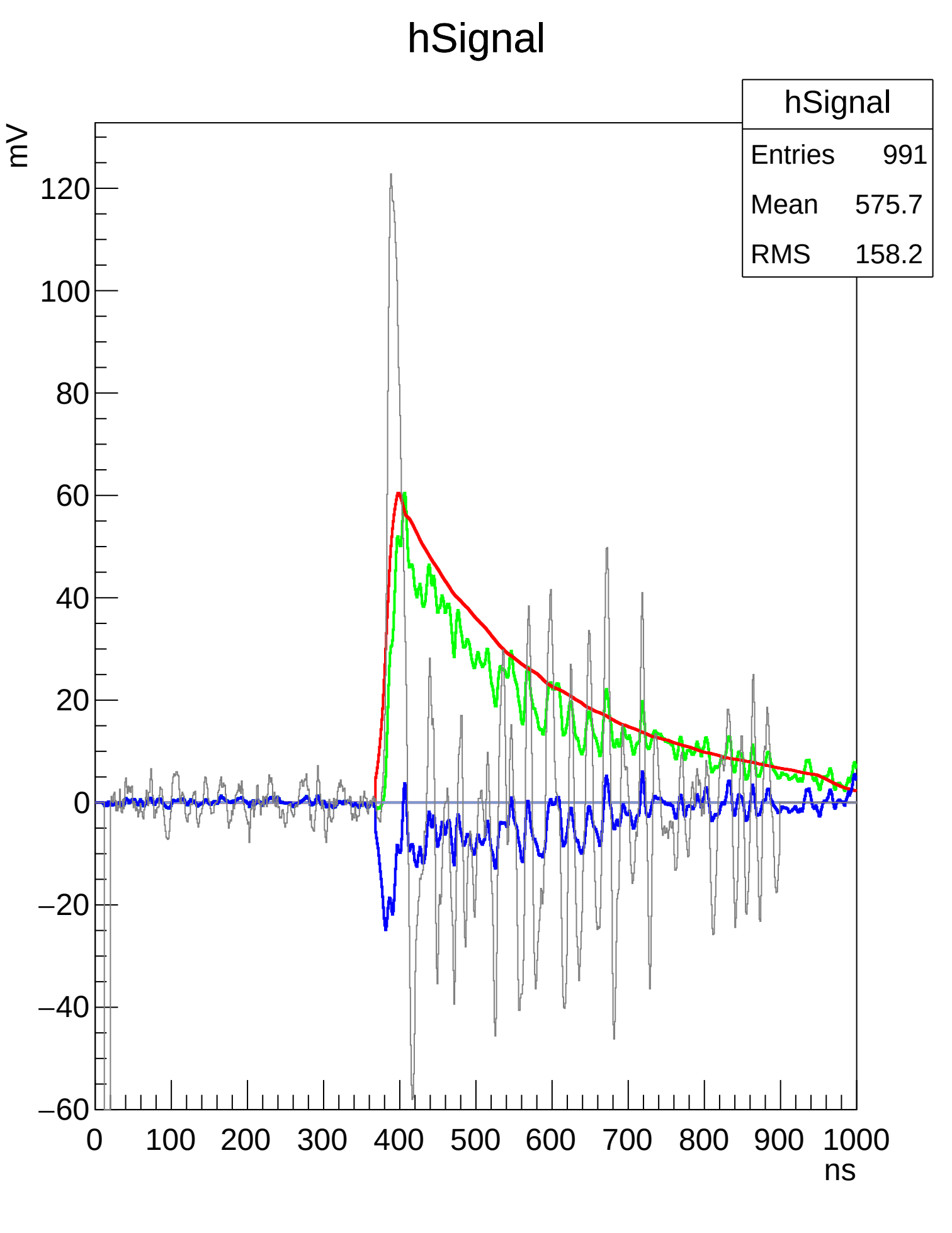

hSignal
hSignal
Entries 991
Mean 481.3
RMS 184.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

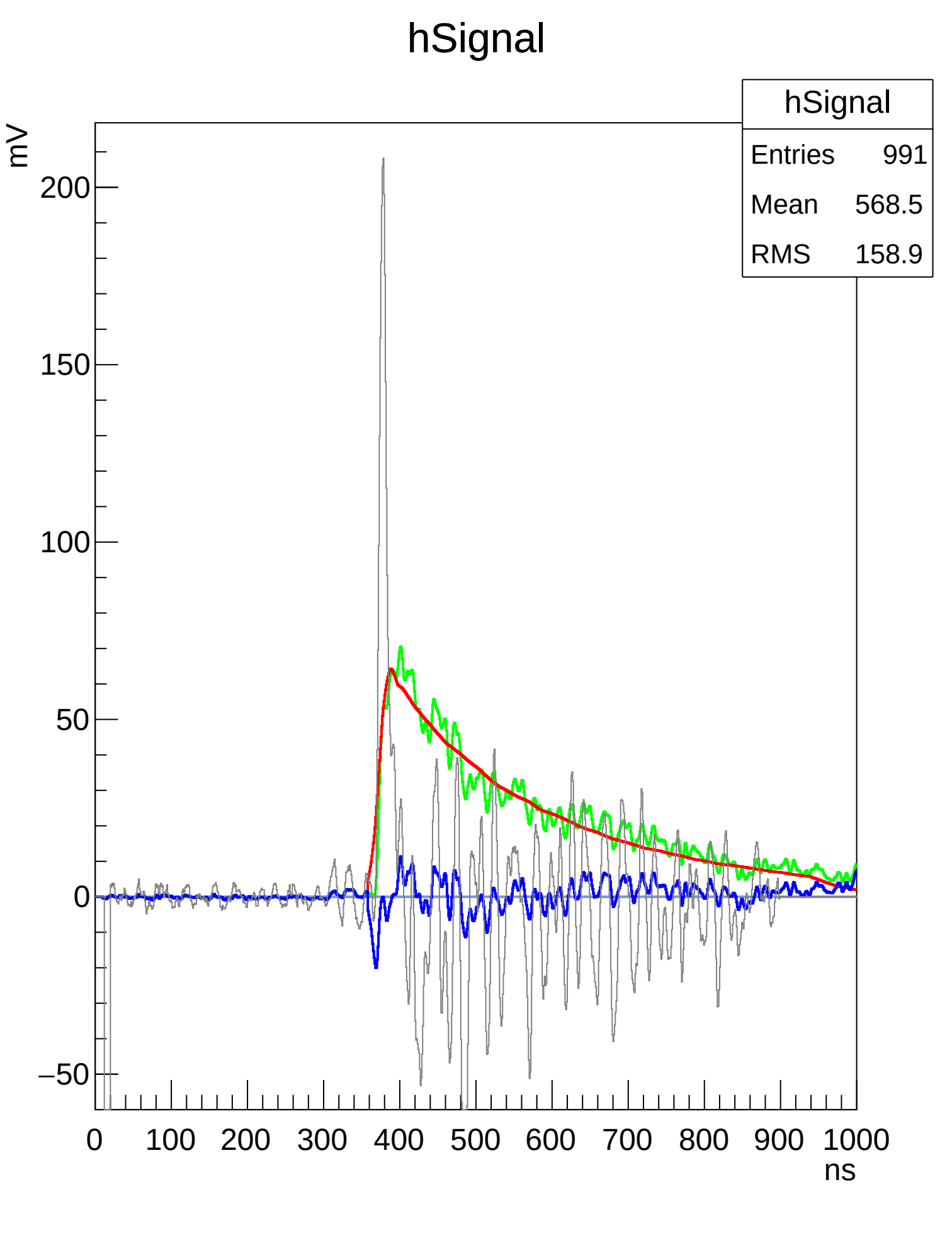

hSignal
hSignal
Entries 991
Mean 492
RMS 179.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

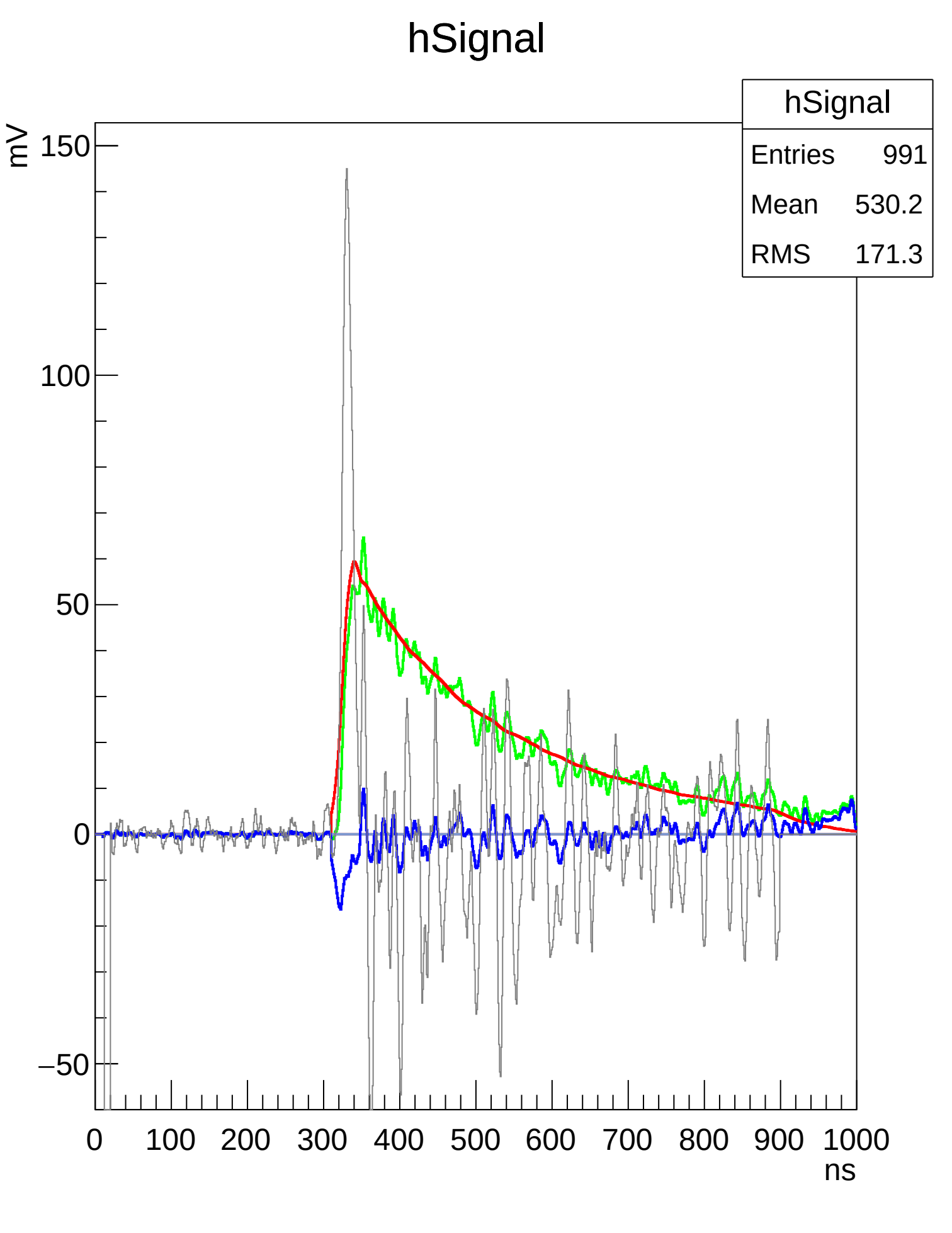

hSignal
hSignal
Entries 991
Mean 479.2
RMS 176.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

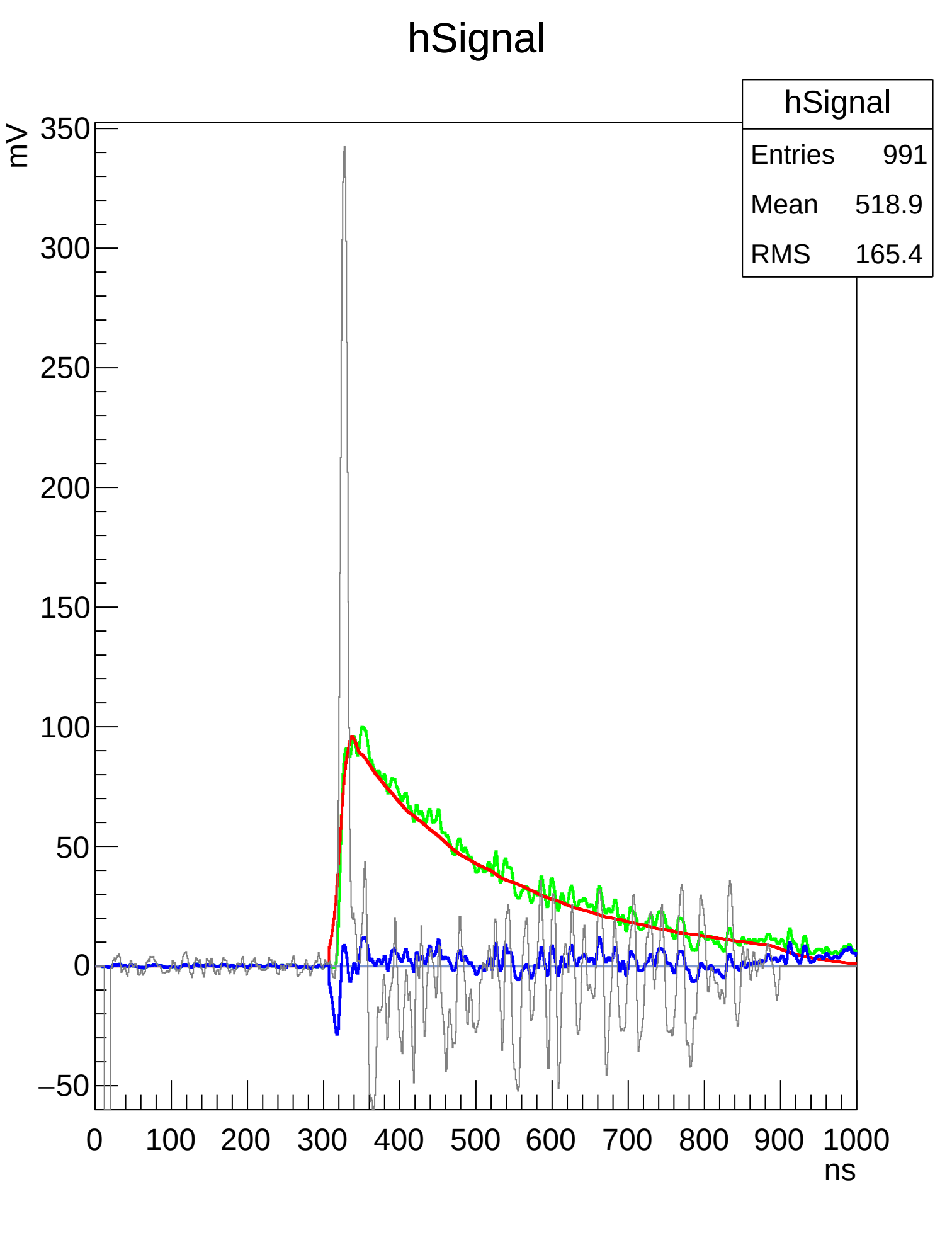

hSignal
hSignal
Entries 991
Mean 487.2
RMS 180.3
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

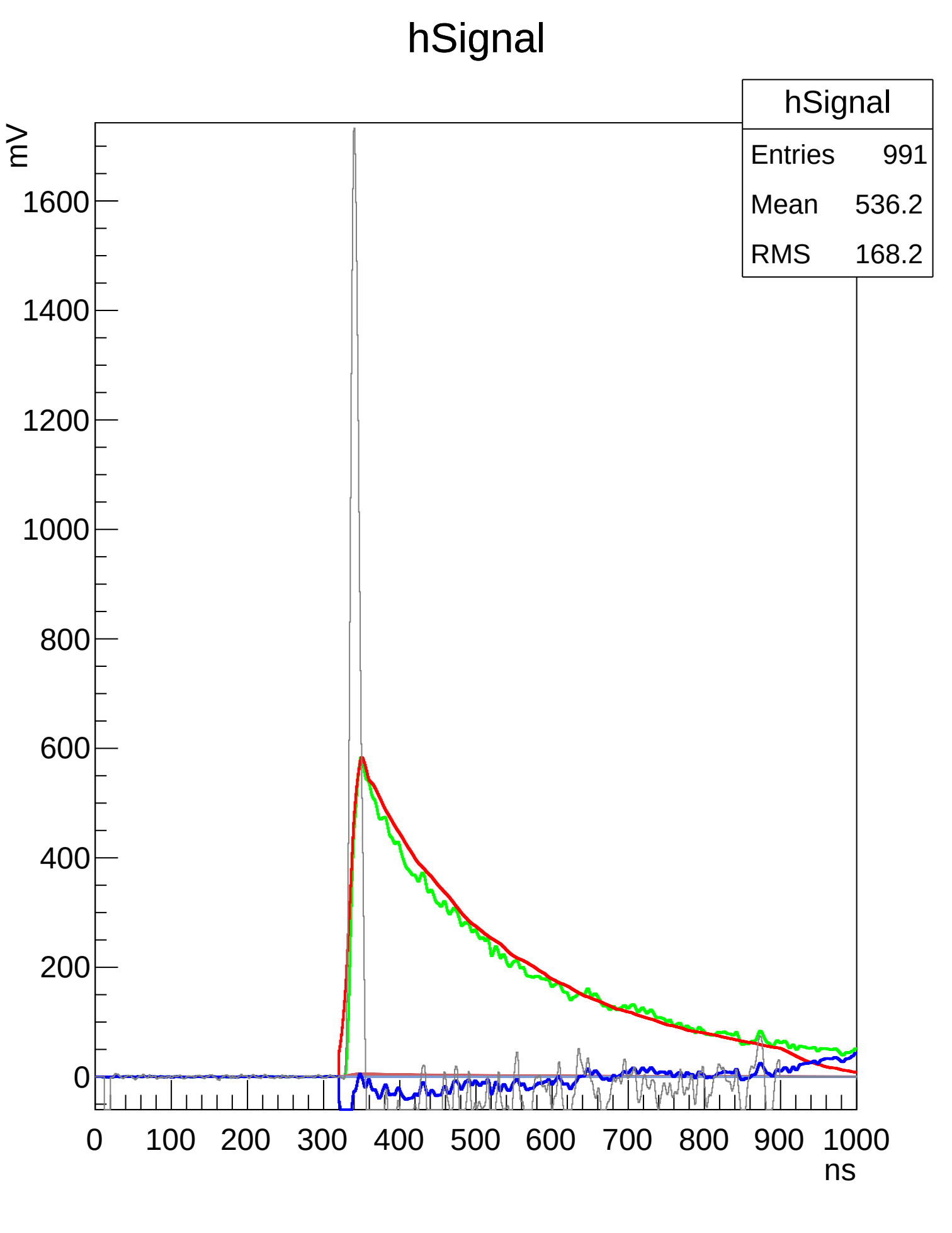

hSignal
hSignal
Entries 991
Mean 585.1
RMS 156.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

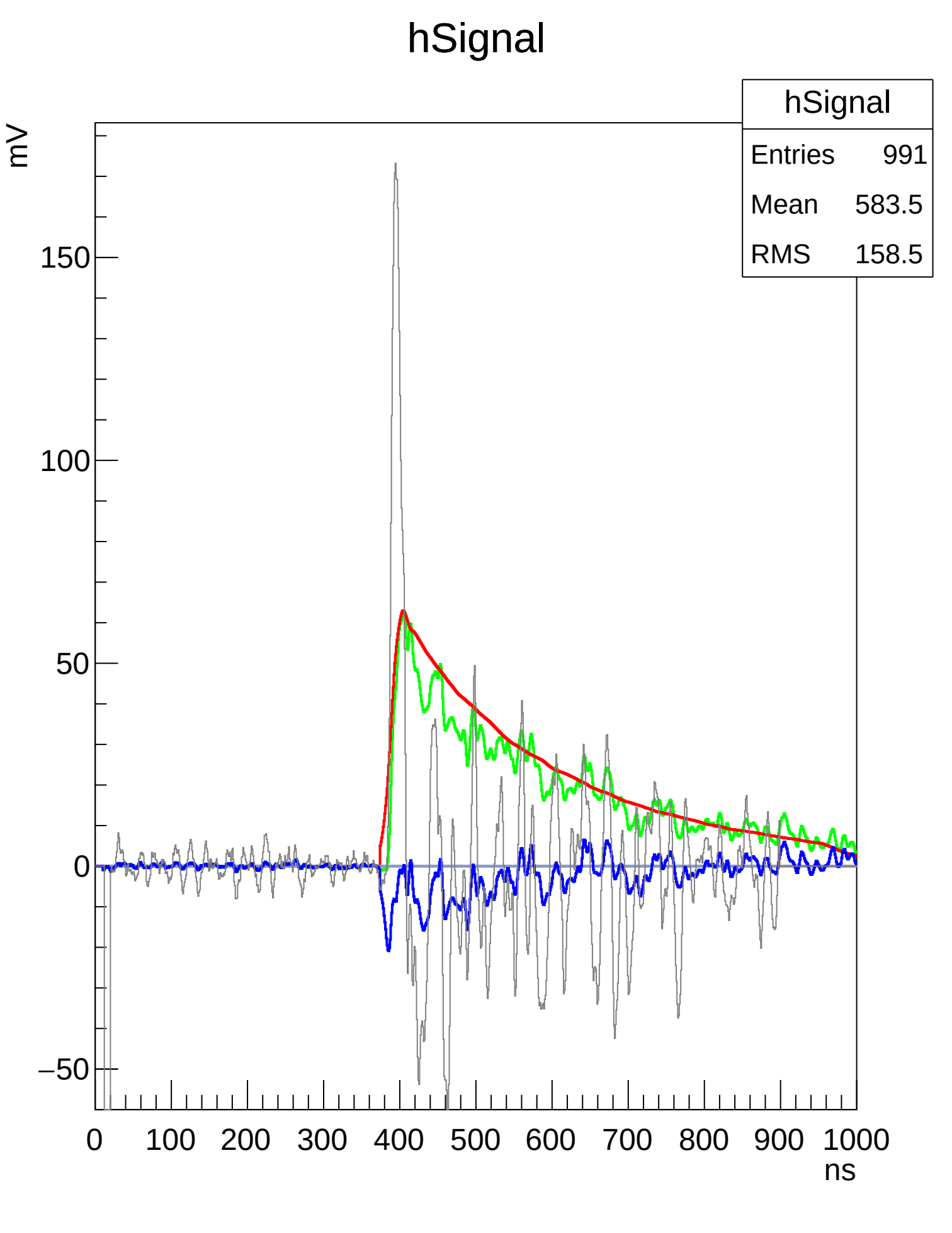

hSignal
hSignal
Entries 991
Mean 575.7
RMS 158.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

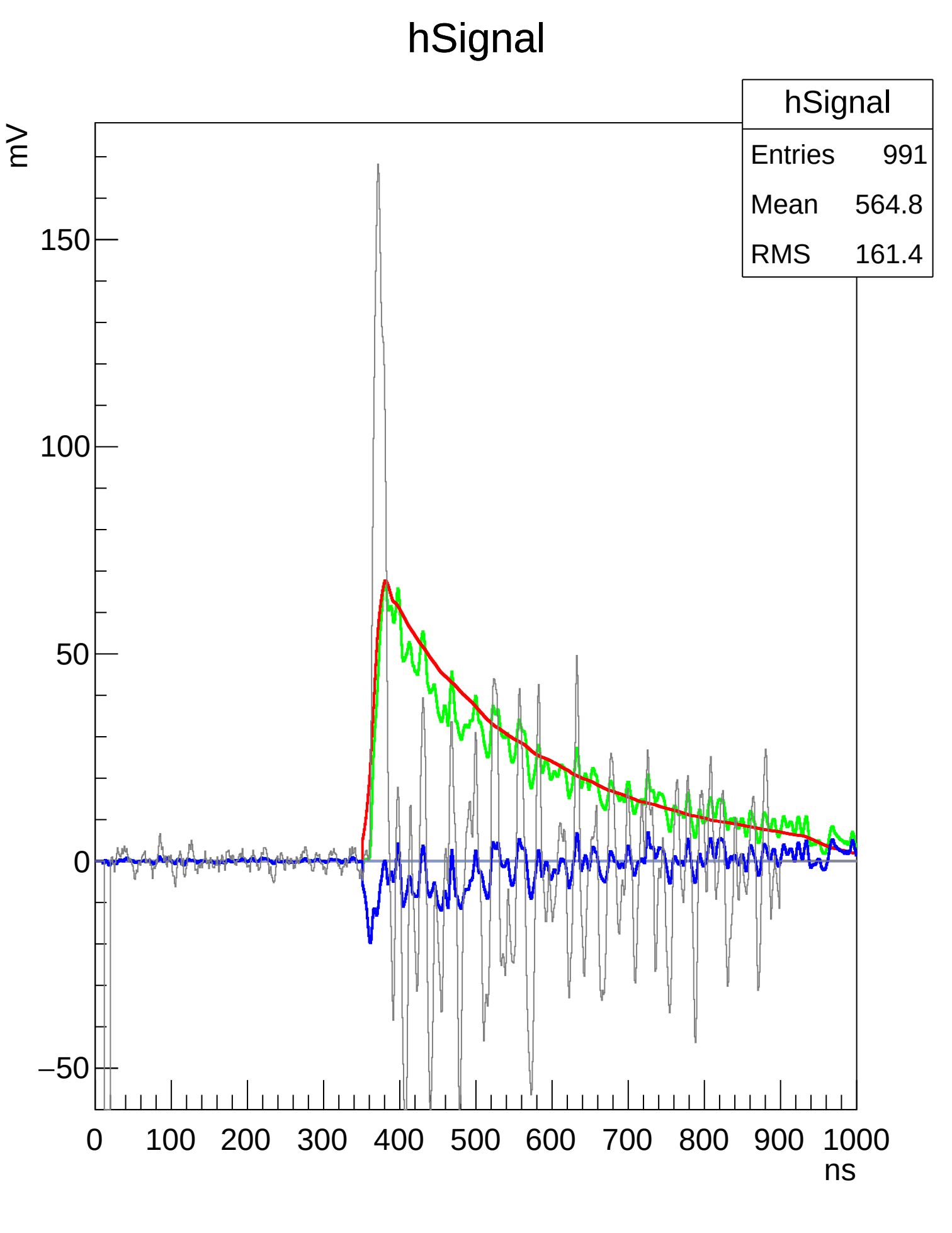

hSignal
hSignal
Entries 991
Mean 568.5
RMS 158.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

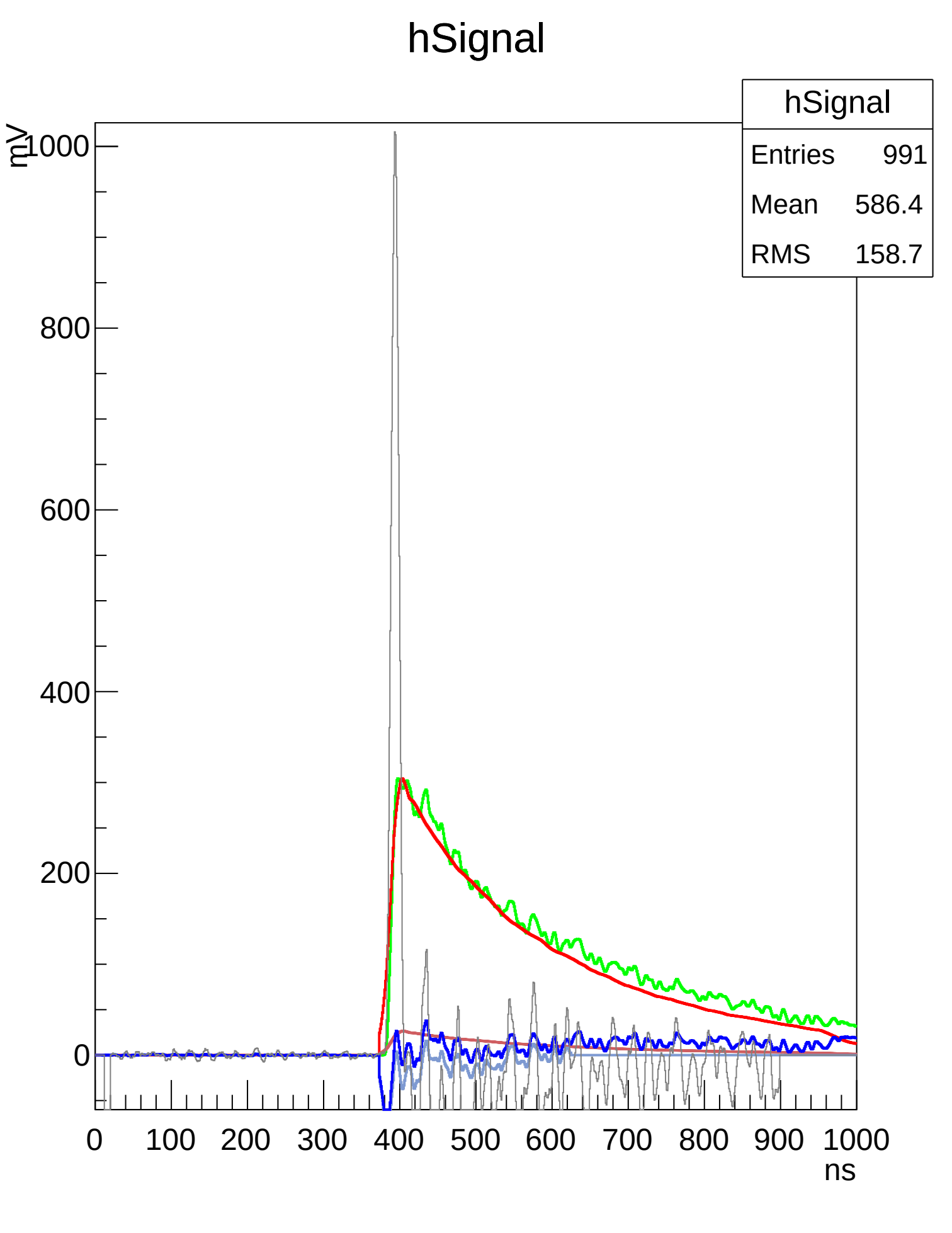

hSignal
hSignal
Entries 991
Mean 530.2
RMS 171.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

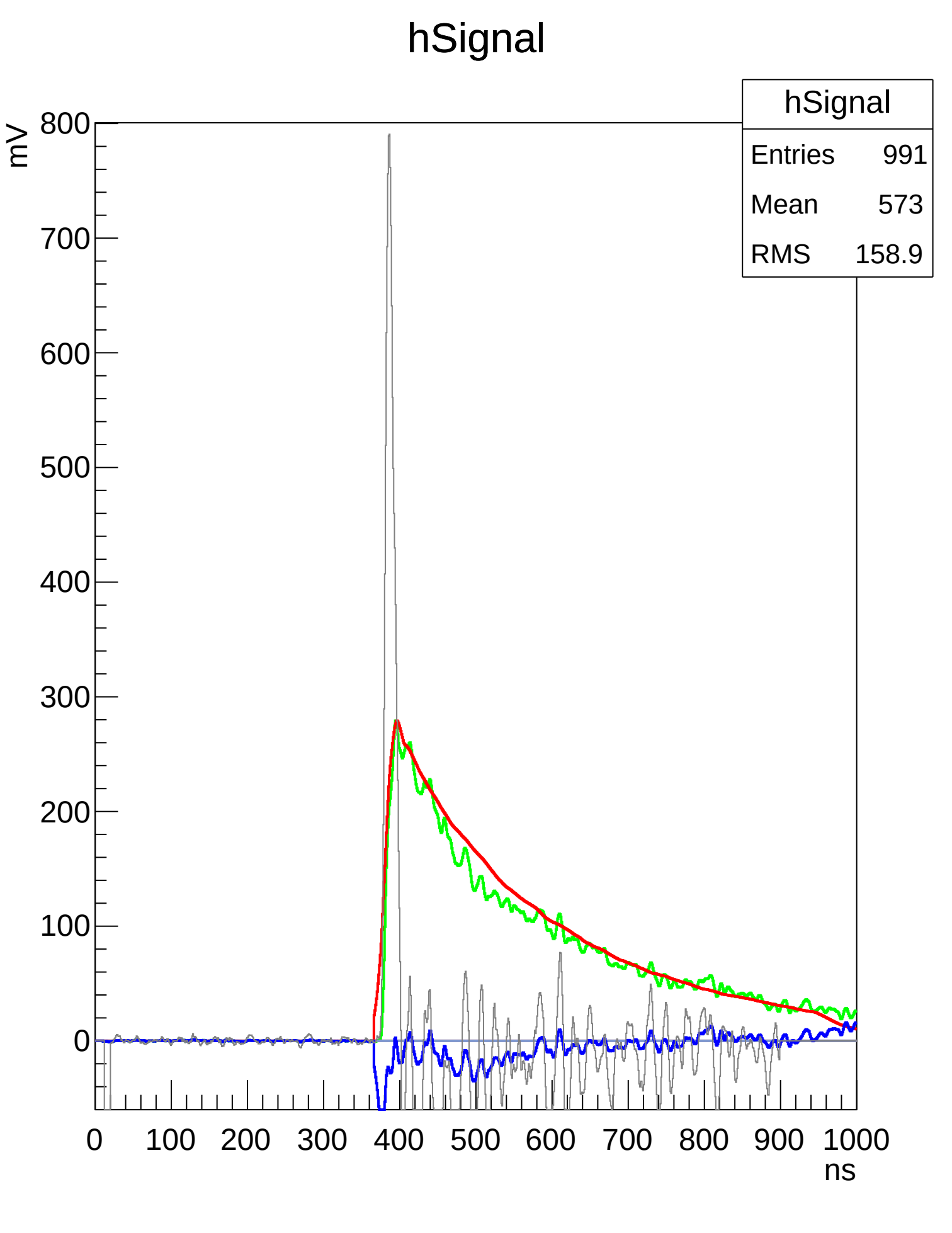

hSignal
hSignal
Entries 991
Mean 518.9
RMS 165.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

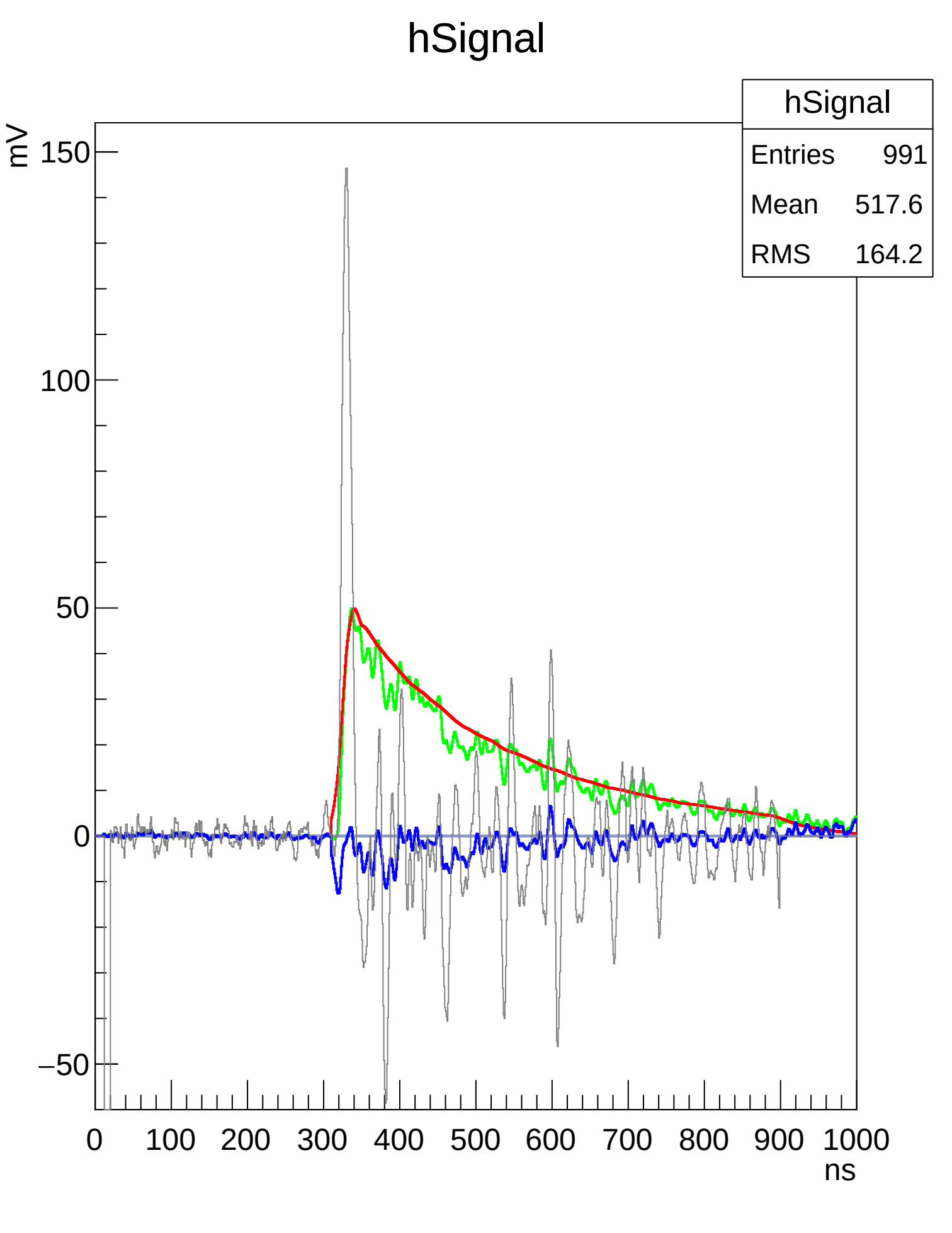

hSignal
hSignal
Entries 991
Mean 536.2
RMS 168.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

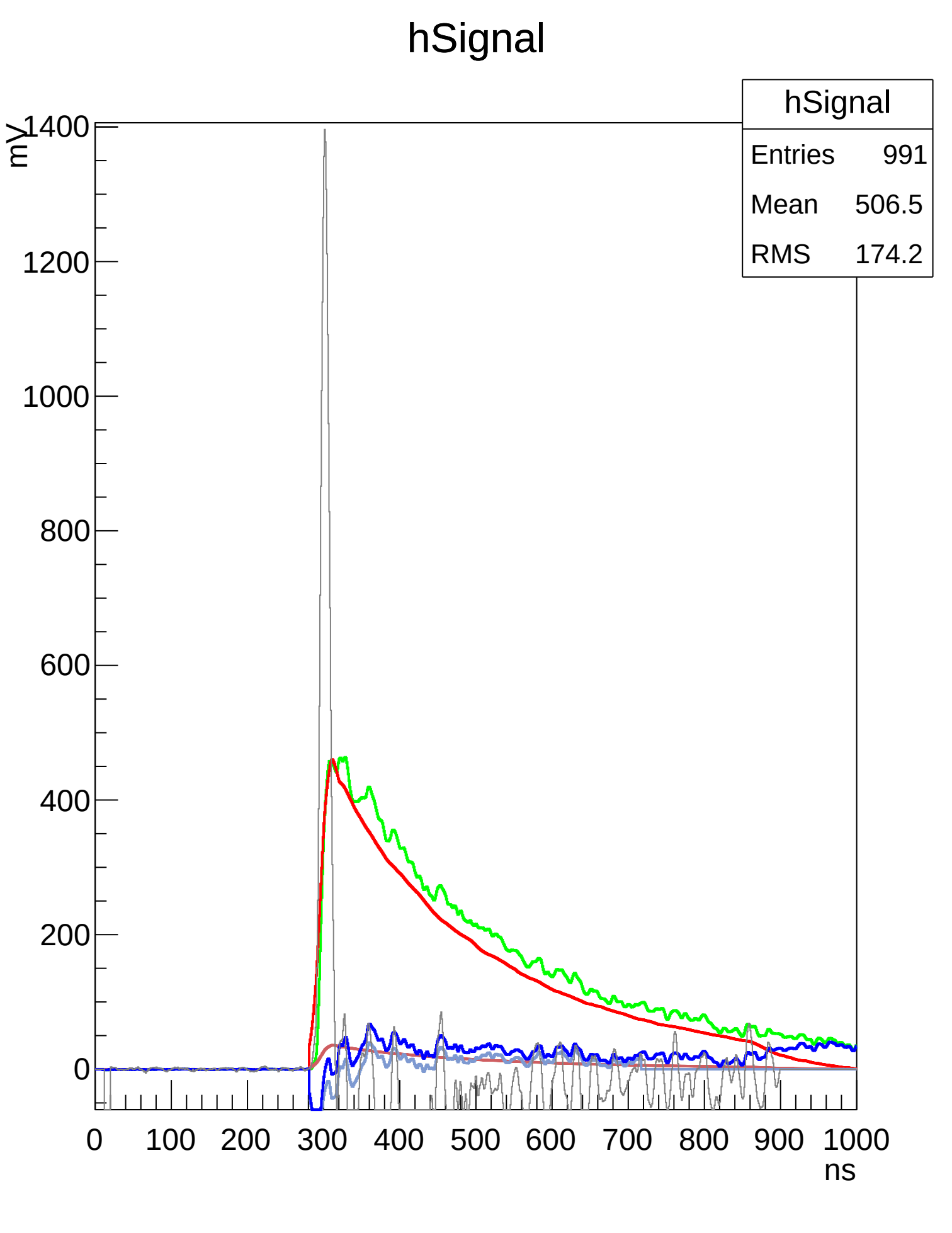

hSignal
hSignal
Entries 991
Mean 583.5
RMS 158.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

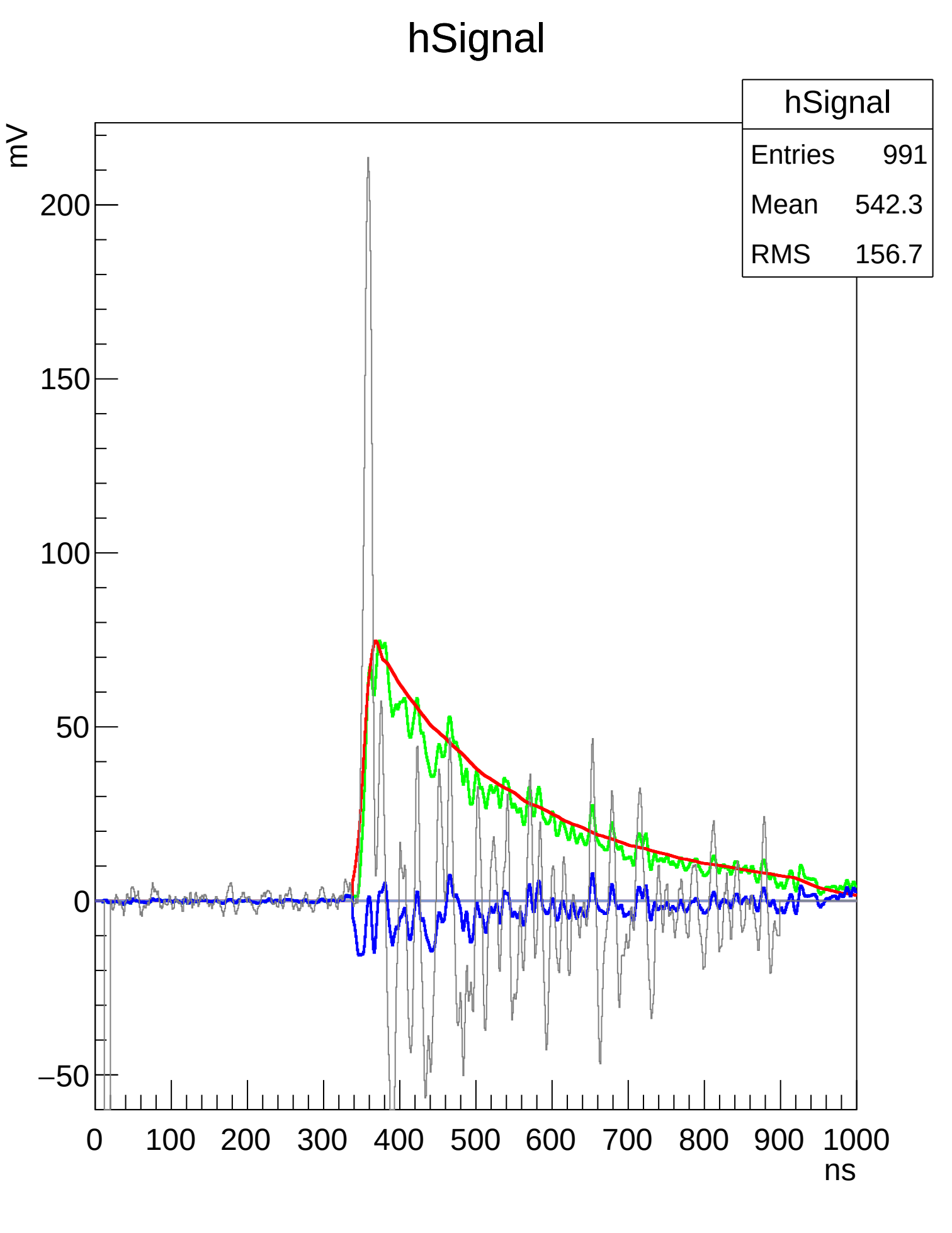

hSignal
hSignal
Entries 991
Mean 564.8
RMS 161.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

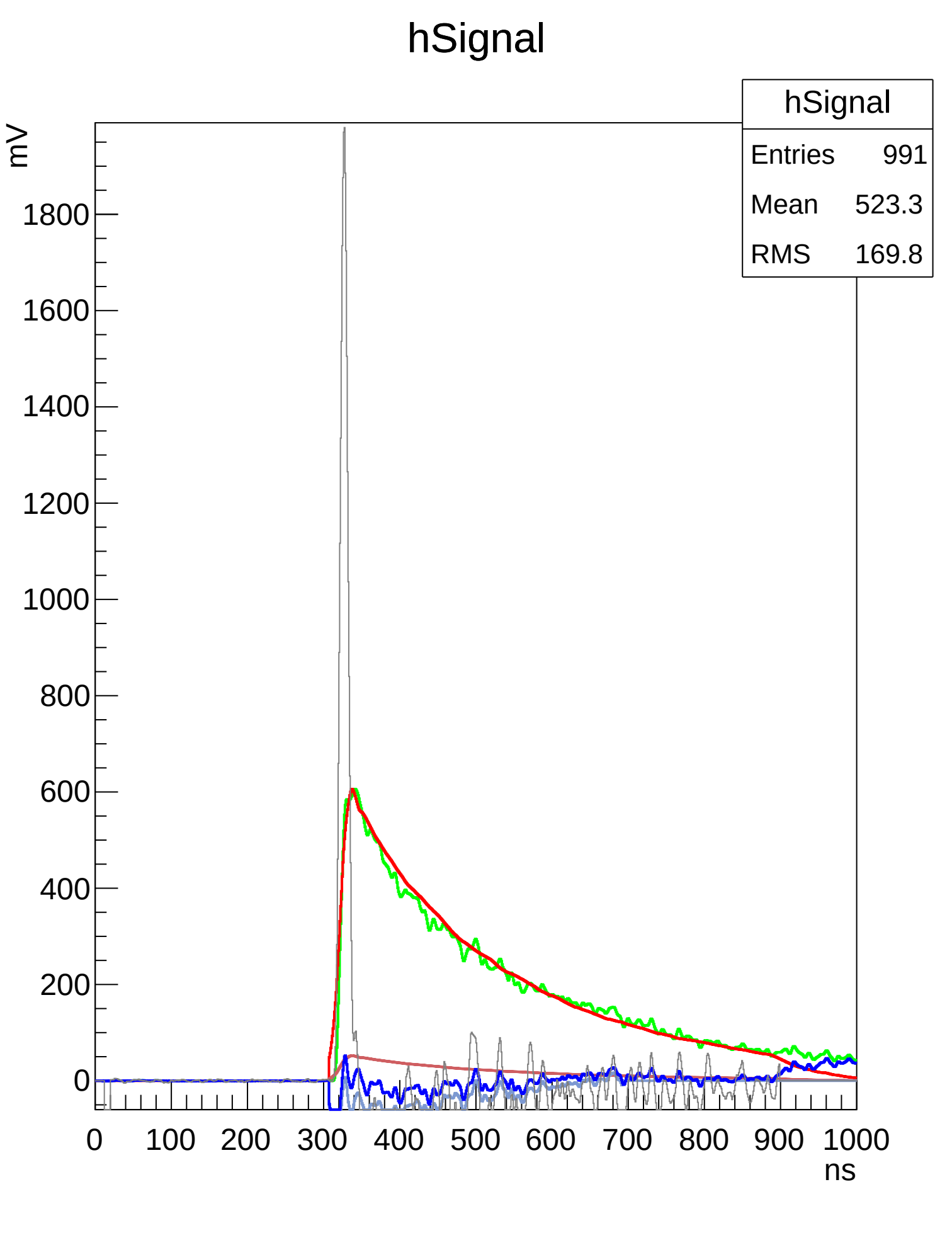

hSignal
hSignal
Entries 991
Mean 586.4
RMS 158.7
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

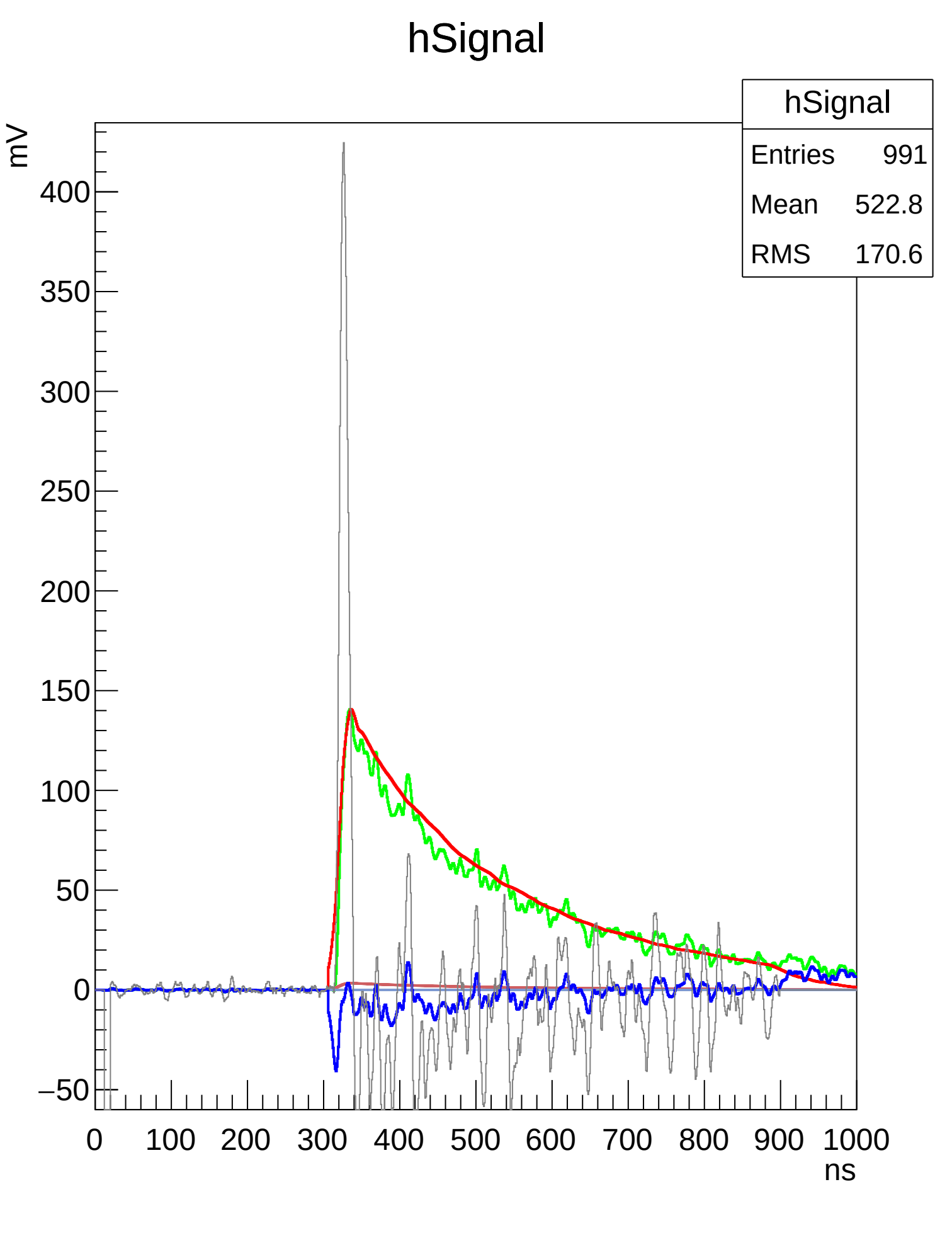

hSignal
hSignal
Entries 991
Mean 573
RMS 158.9
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

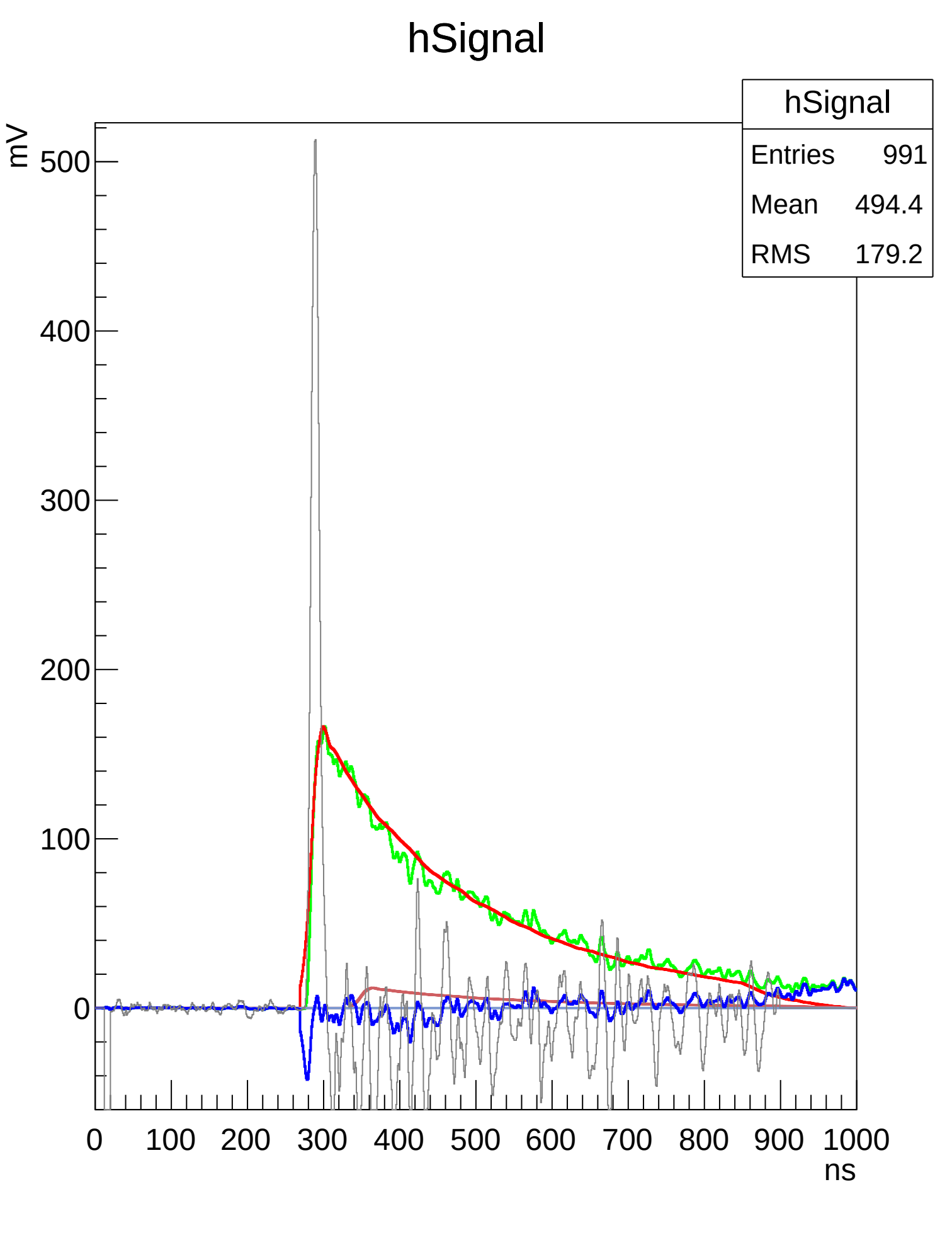

hSignal
hSignal
Entries 991
Mean 517.6
RMS 164.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

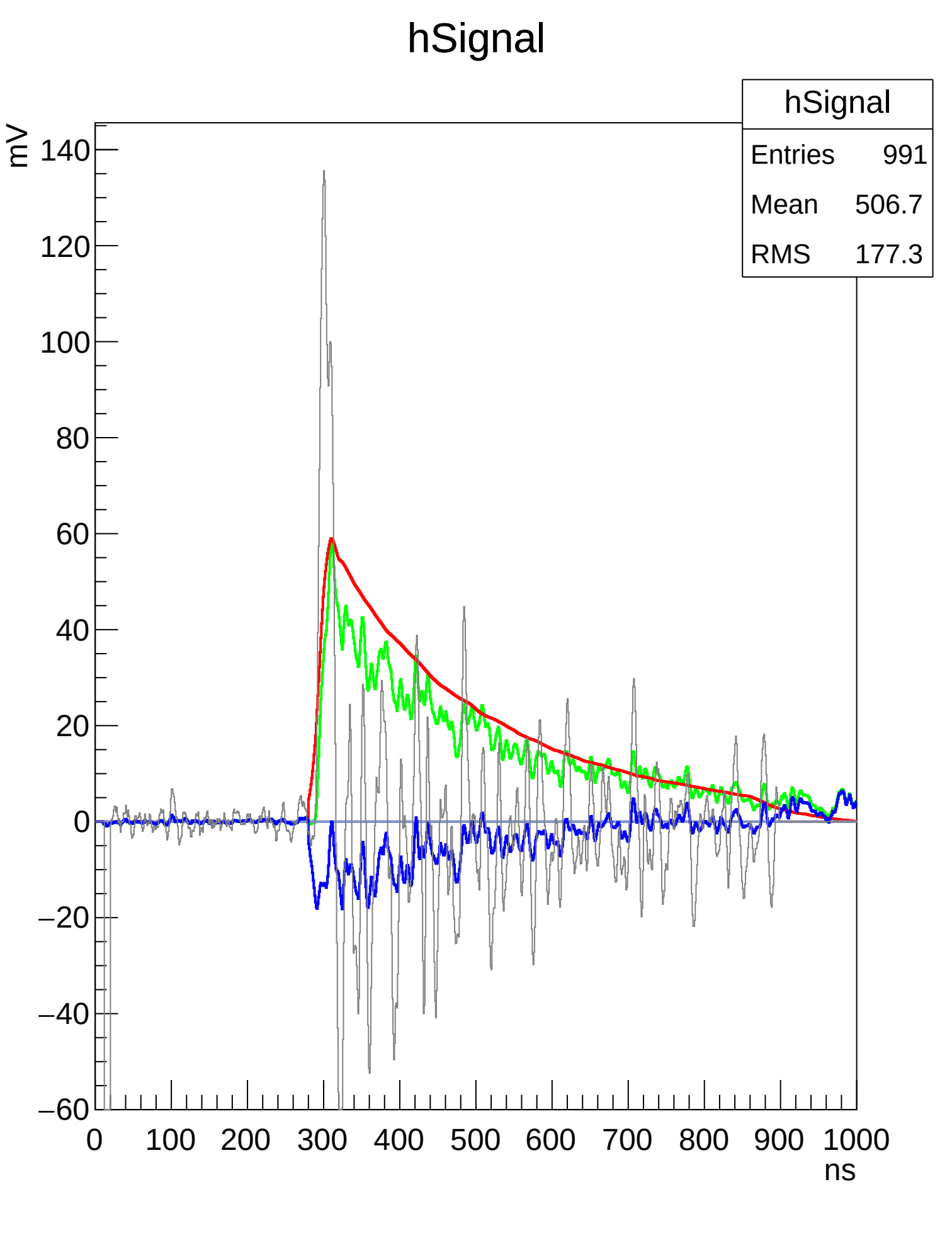

hSignal
hSignal
Entries 991
Mean 506.5
RMS 174.2
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

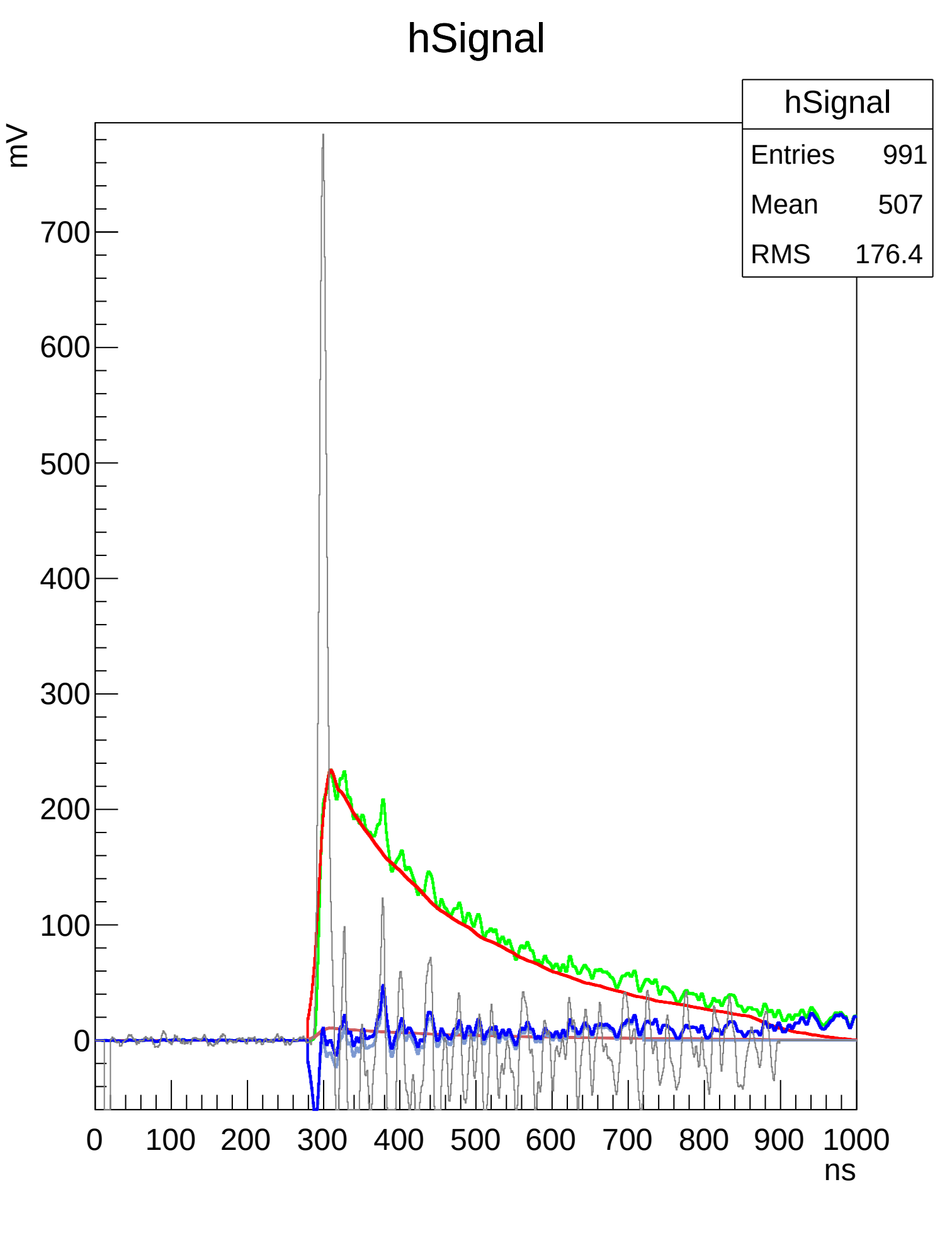

hSignal
hSignal
Entries 991
Mean 542.3
RMS 156.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

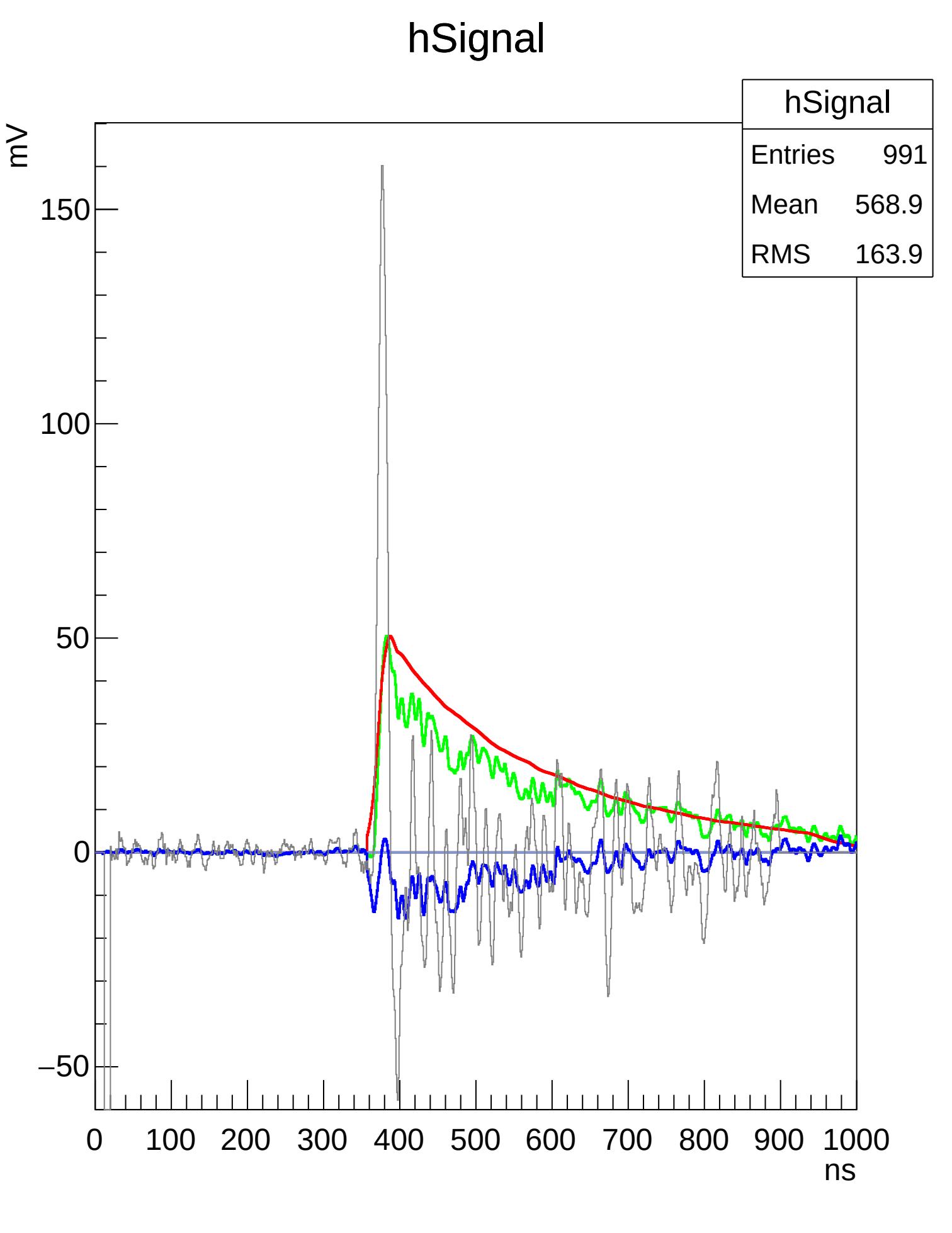

hSignal
hSignal
Entries 991
Mean 523.3
RMS 169.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

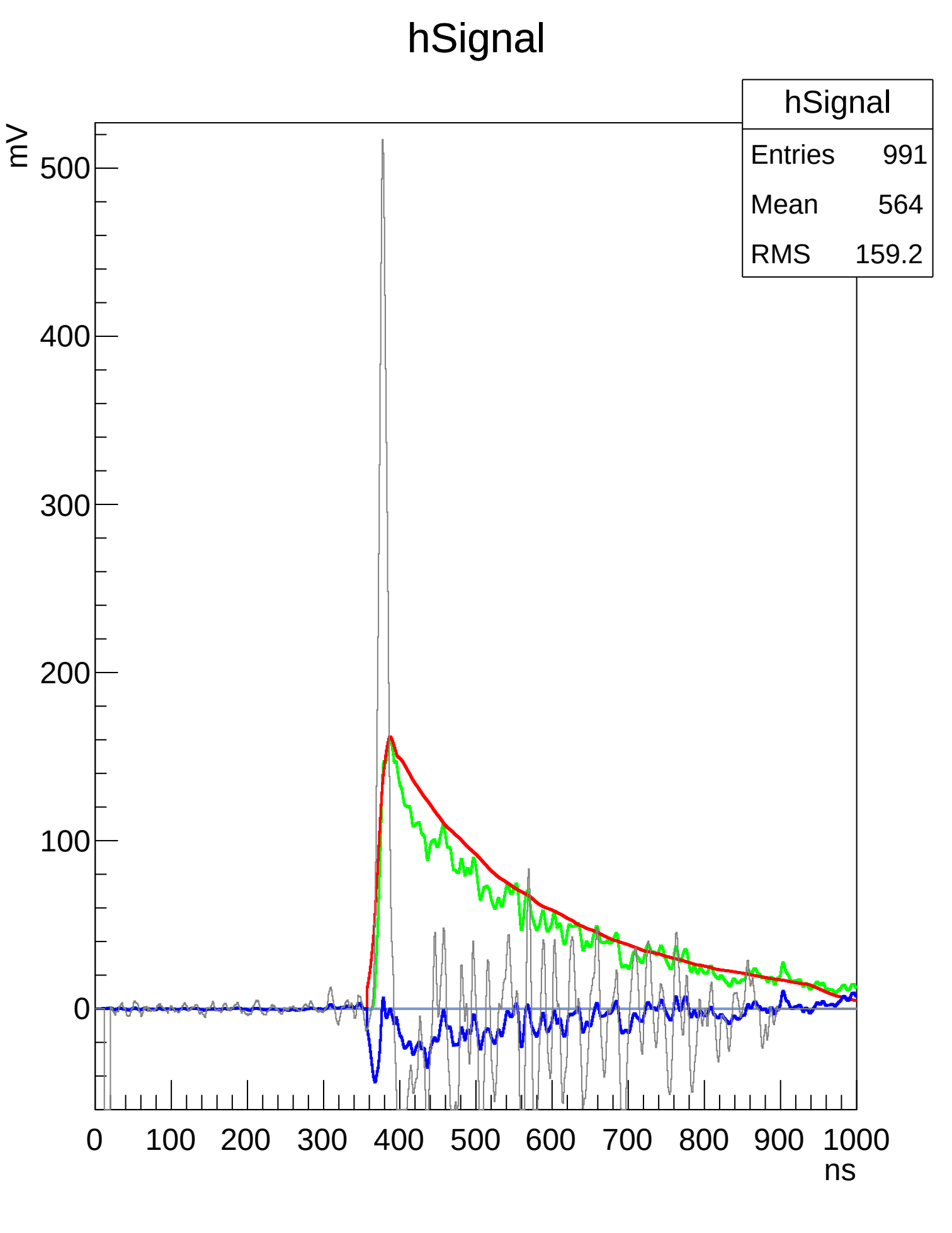

hSignal
hSignal
Entries 991
Mean 522.8
RMS 170.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

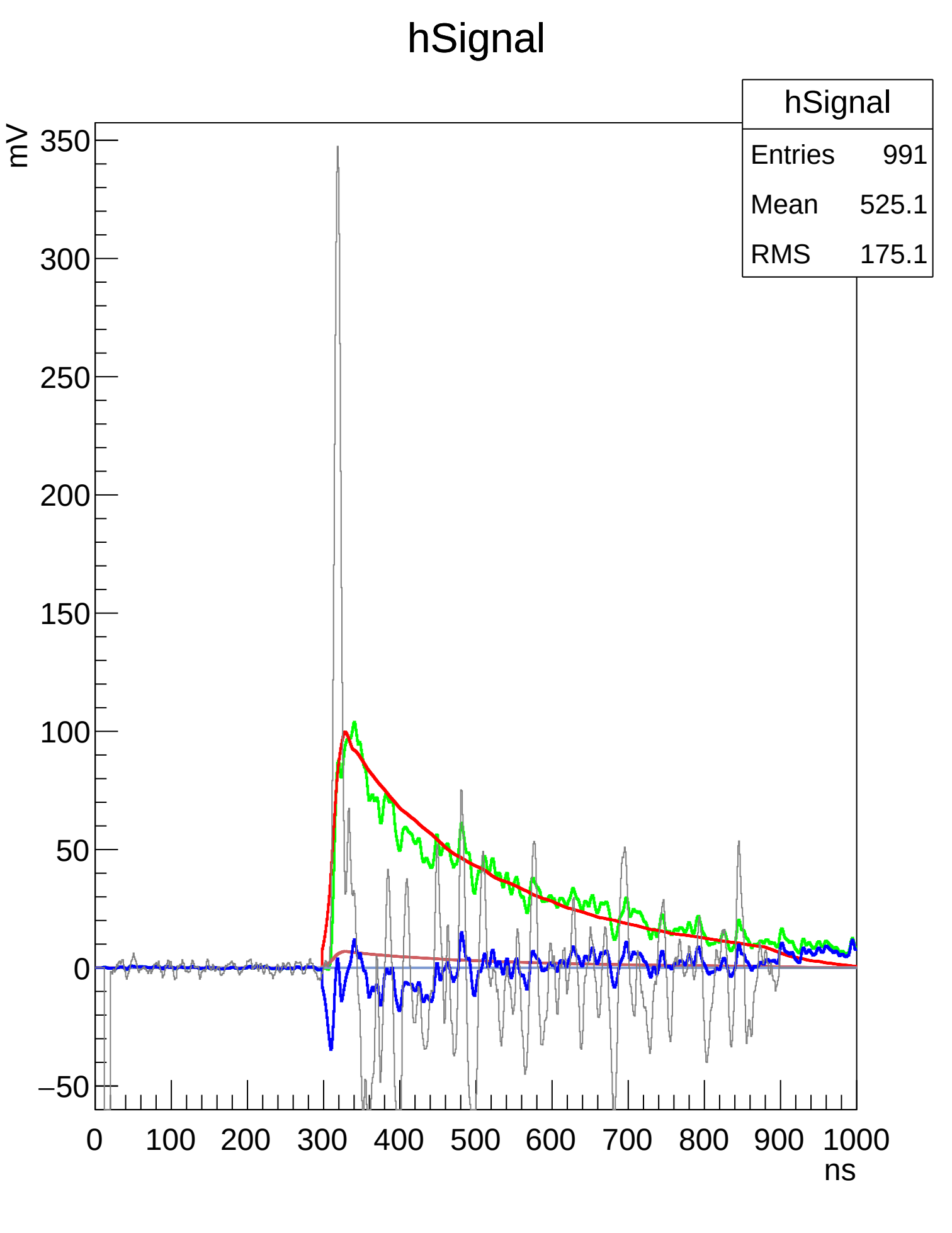

hSignal
hSignal
Entries 991
Mean 494.4
RMS 179.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

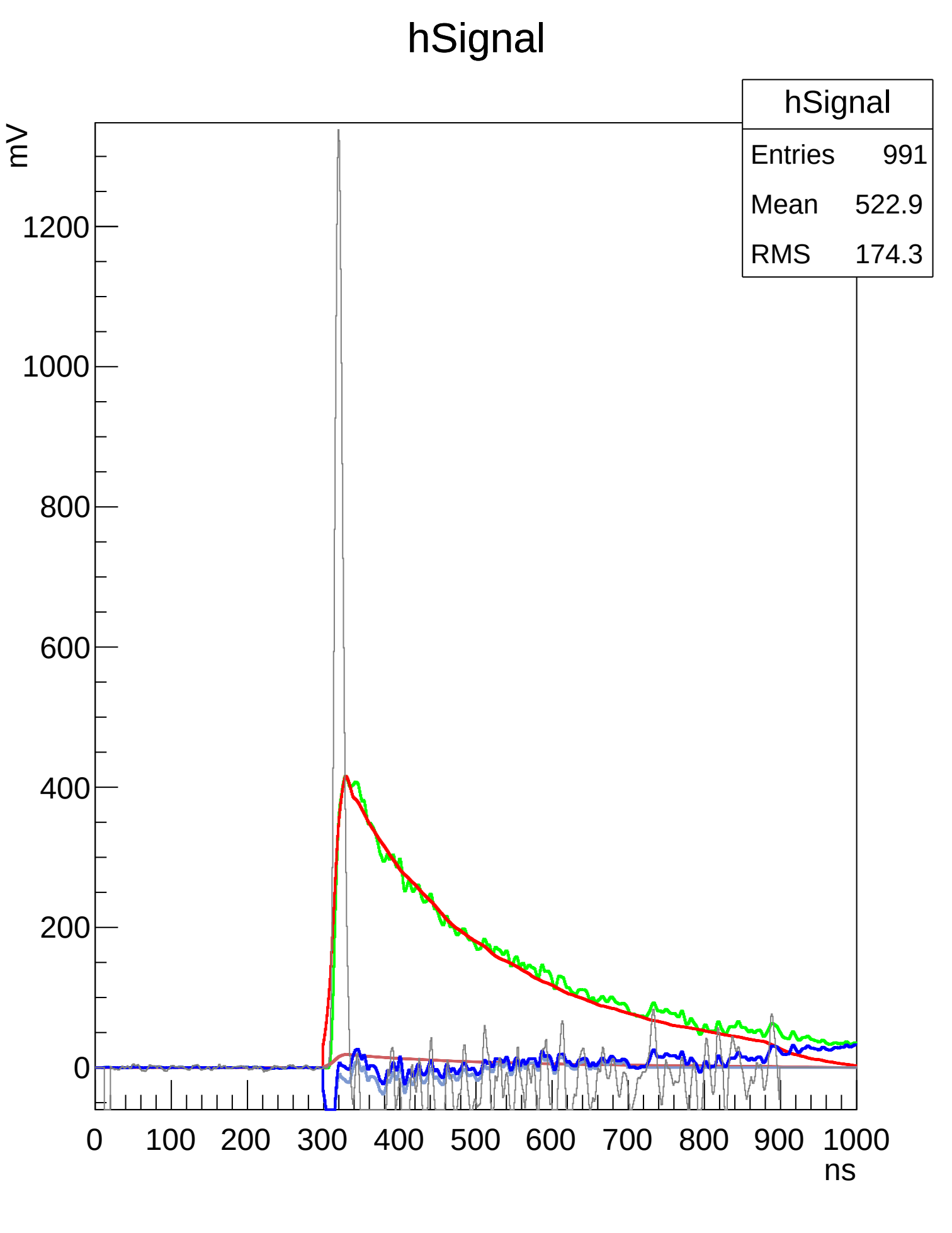

hSignal
hSignal
Entries 991
Mean 506.7
RMS 177.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

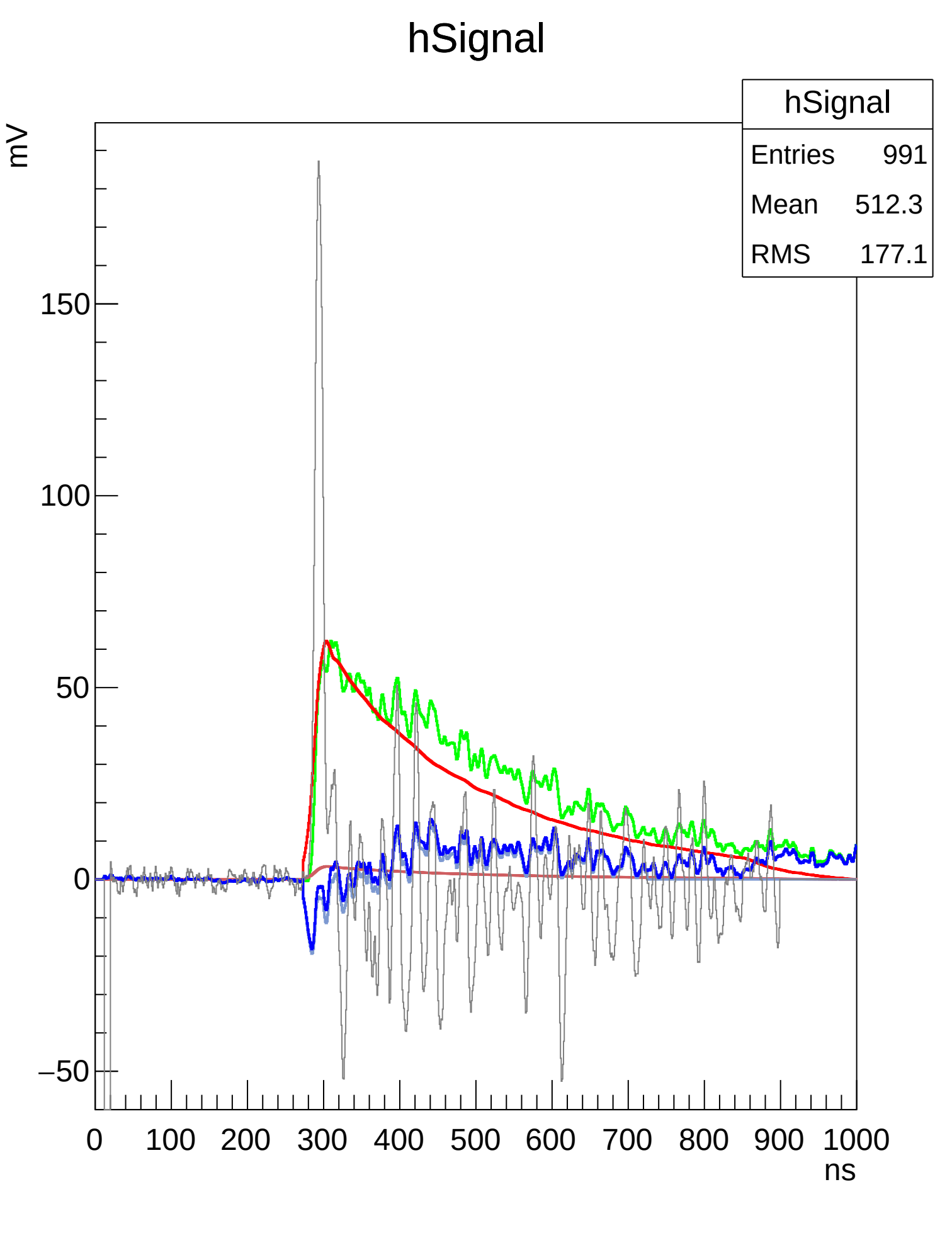

hSignal
hSignal
Entries 991
Mean 507
RMS 176.4
mV
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

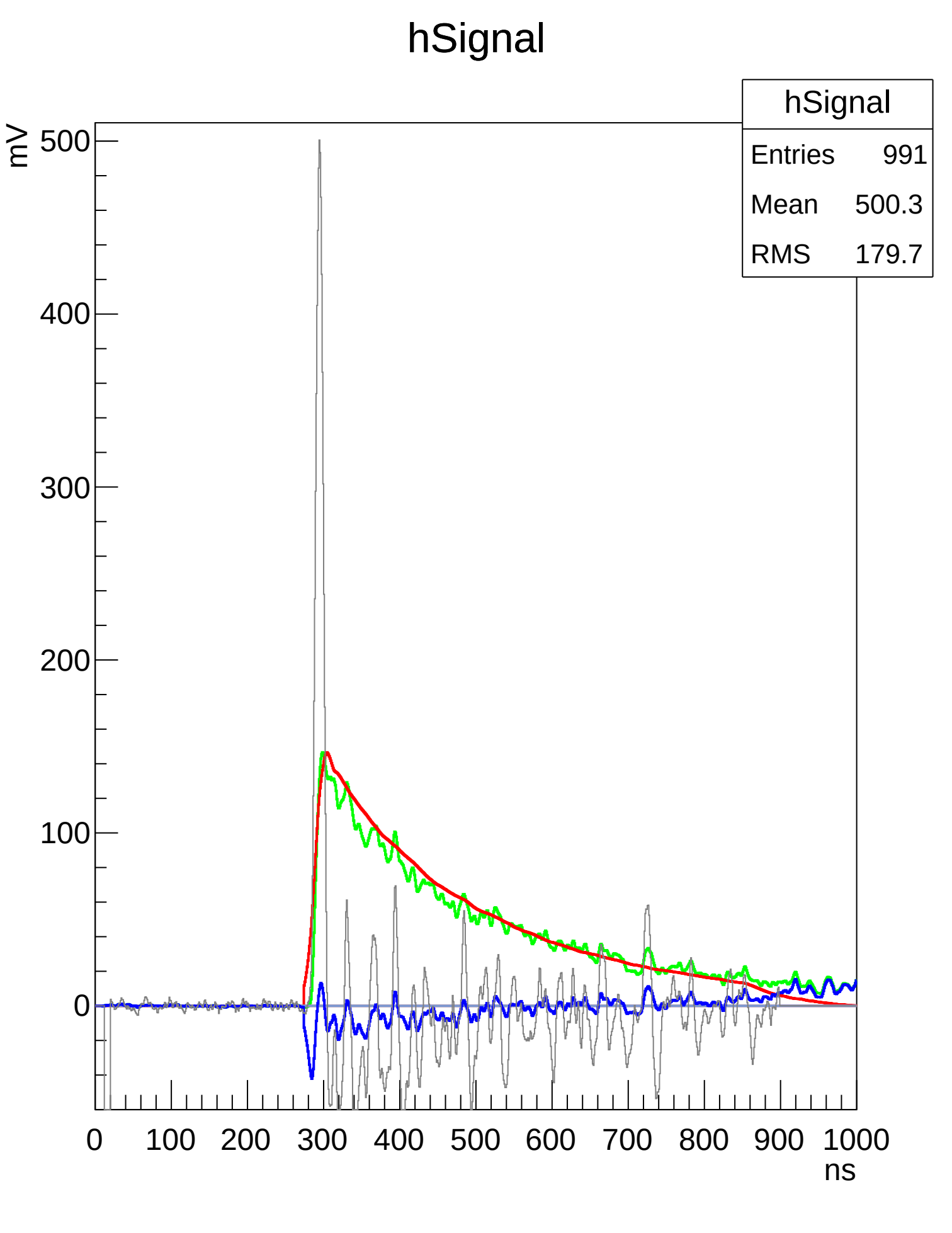

hSignal
hSignal
Entries 991
Mean 568.9
RMS 163.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

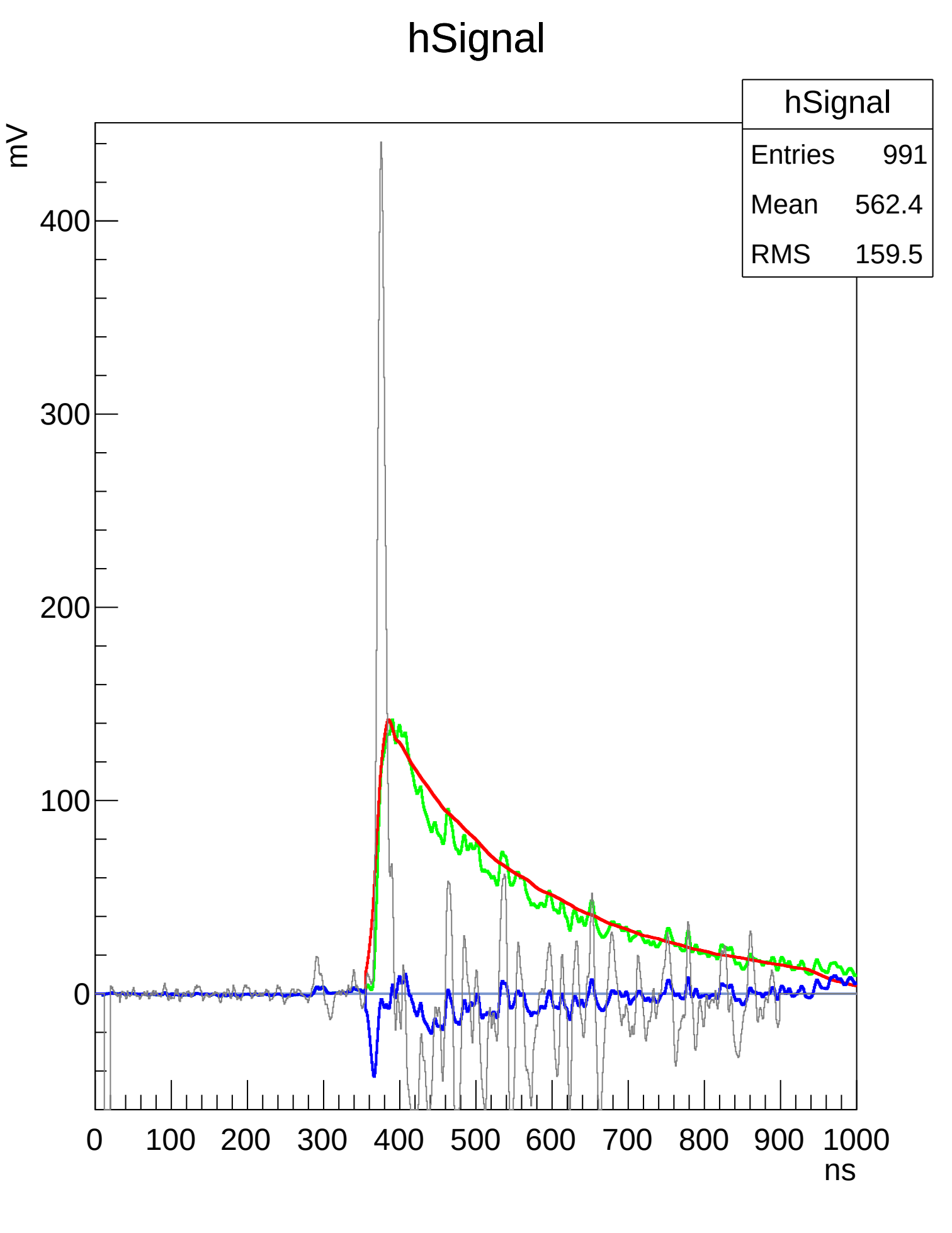

hSignal
hSignal
Entries 991
Mean 564
RMS 159.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

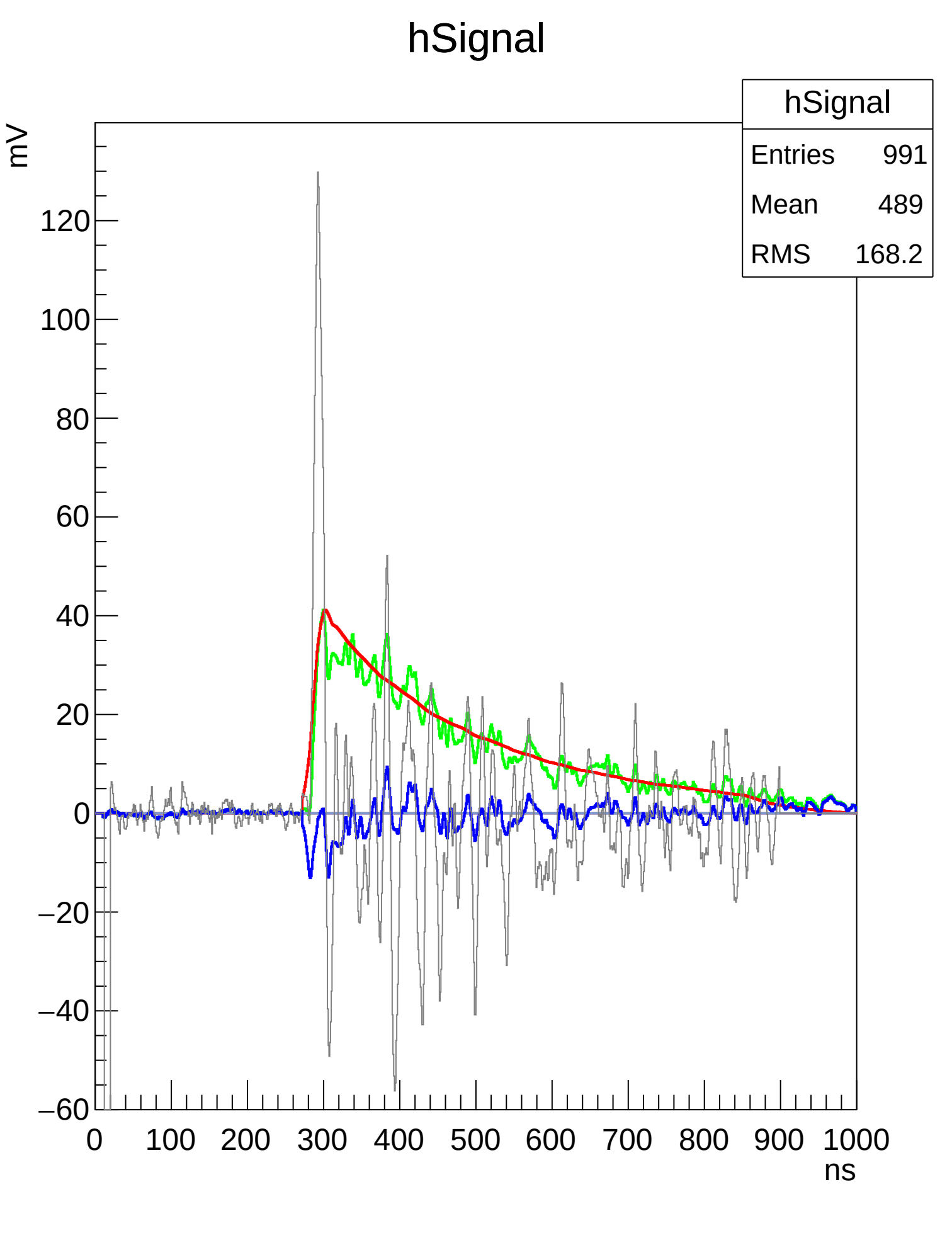

hSignal
hSignal
Entries 991
Mean 525.1
RMS 175.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

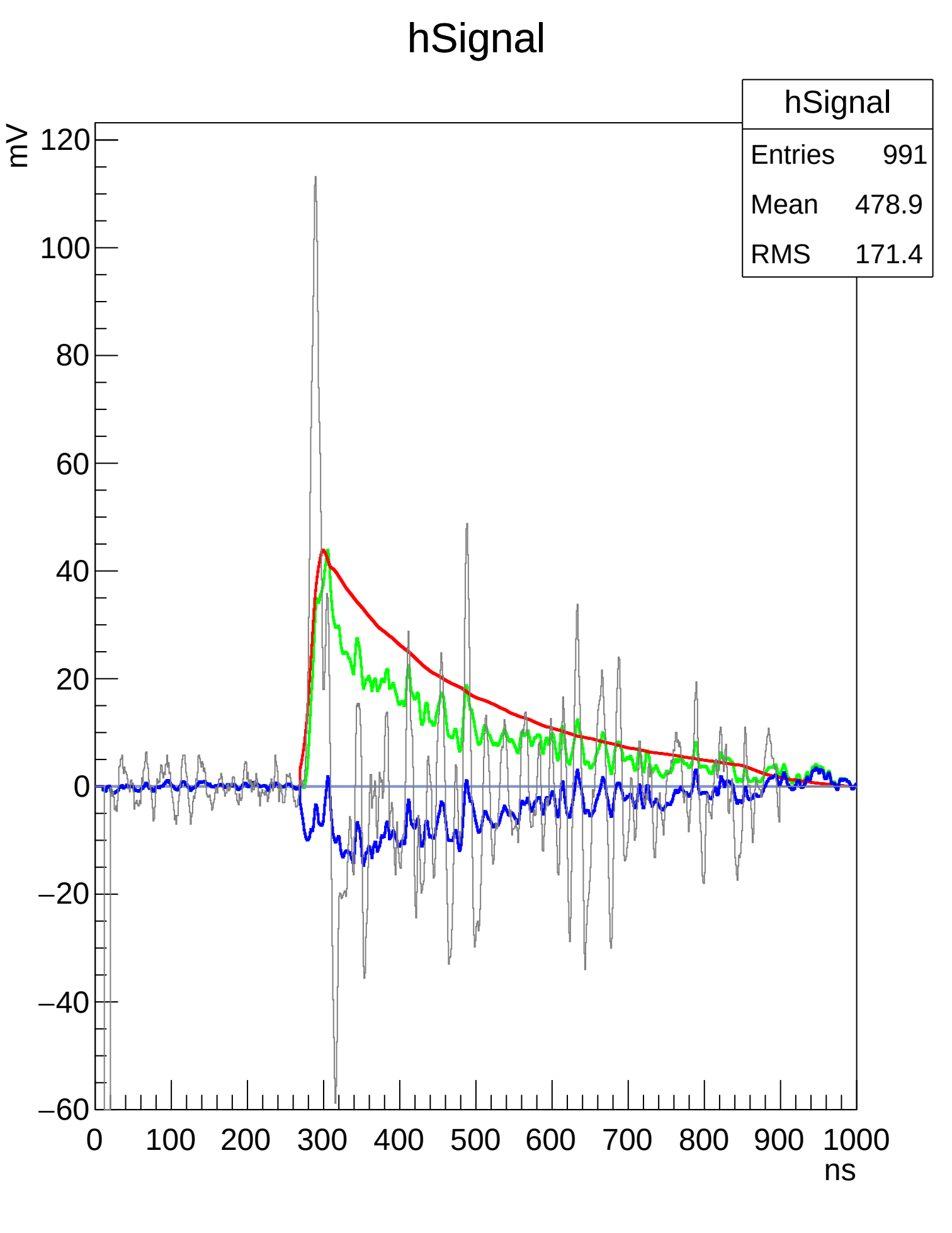

hSignal
hSignal
Entries 991
Mean 522.9
RMS 174.3
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

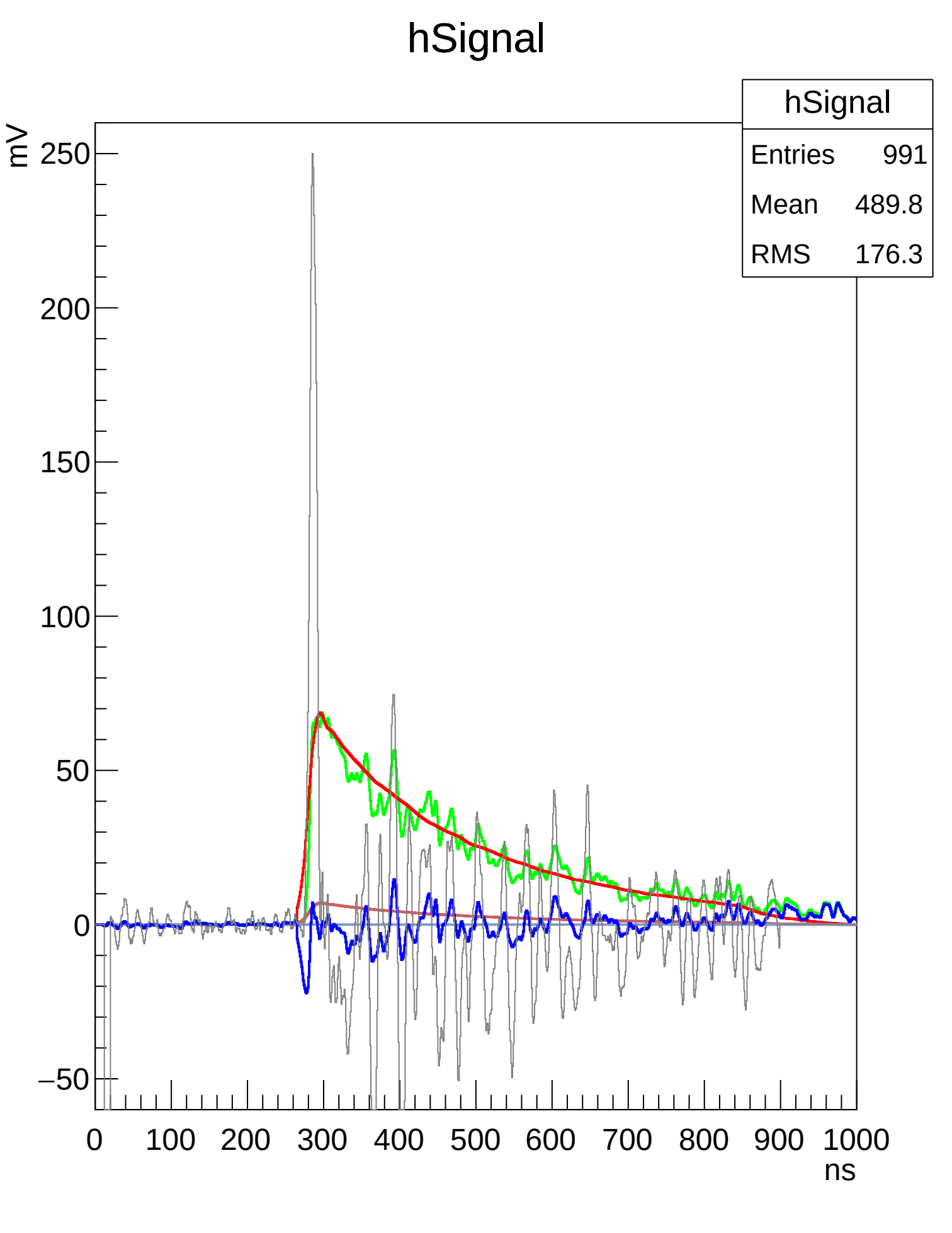

hSignal
hSignal
Entries 991
Mean 512.3
RMS 177.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

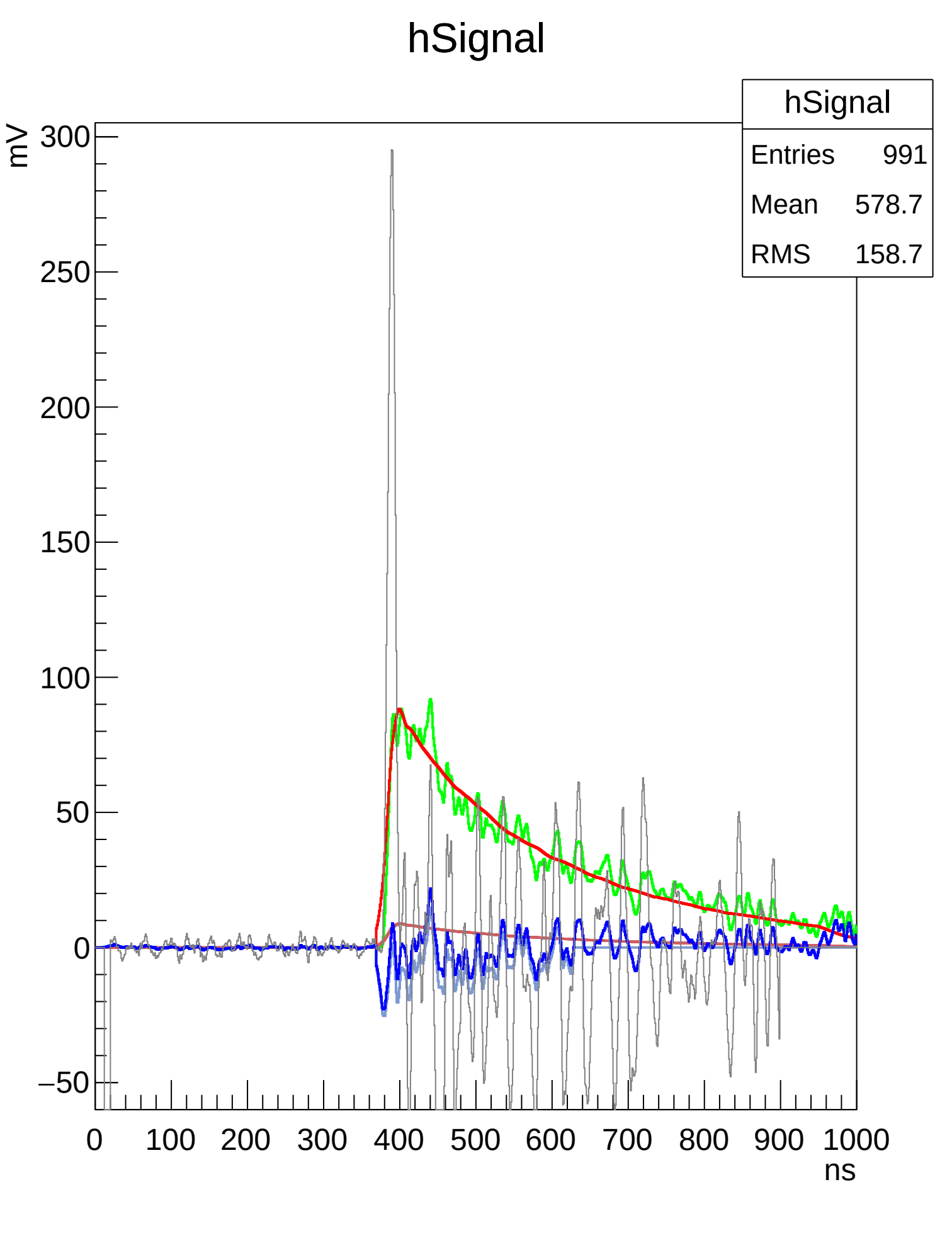

hSignal
hSignal
Entries 991
Mean 500.3
RMS 179.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

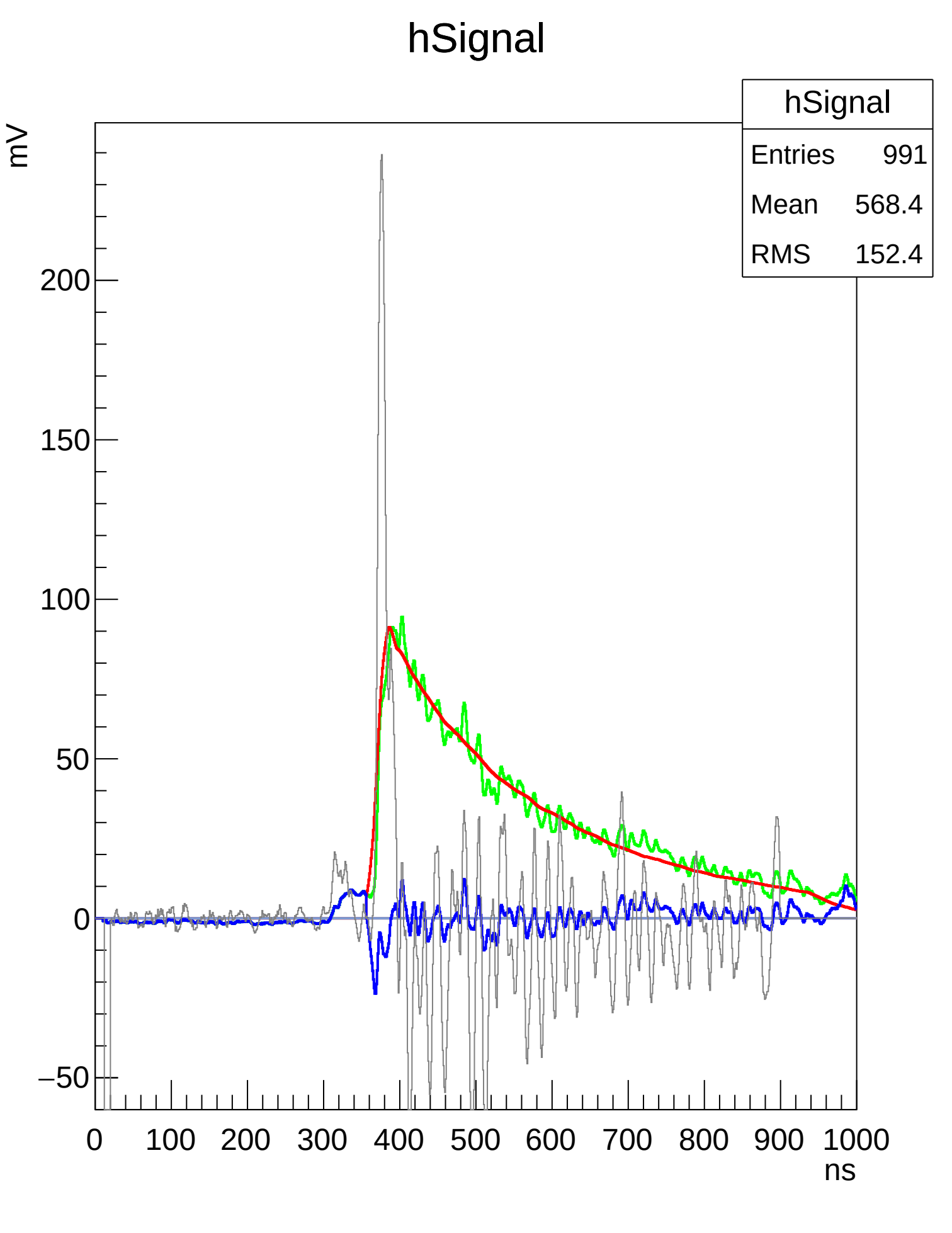

hSignal
hSignal
Entries 991
Mean 562.4
RMS 159.5
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

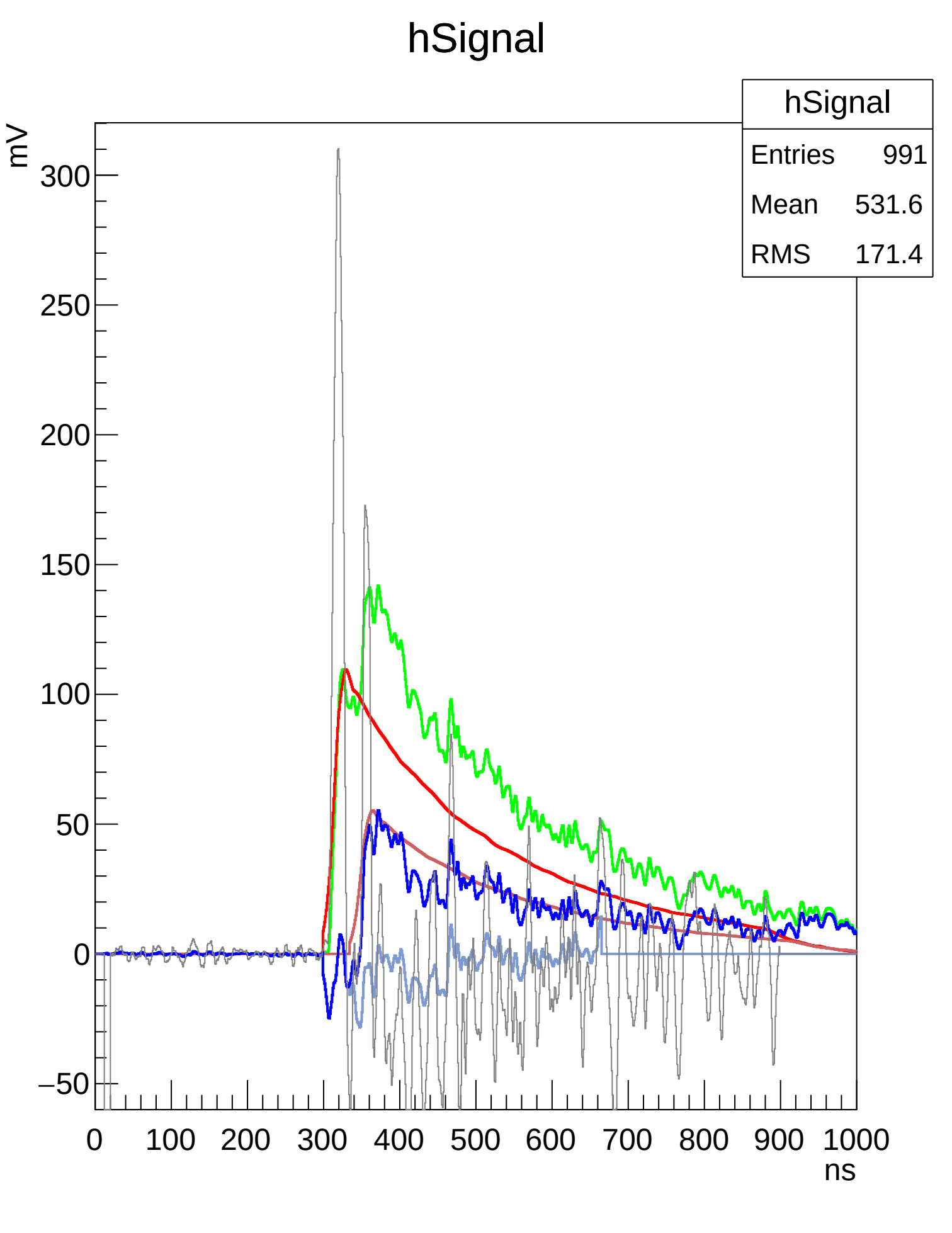

hSignal
hSignal
Entries 991
Mean 489
RMS 168.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

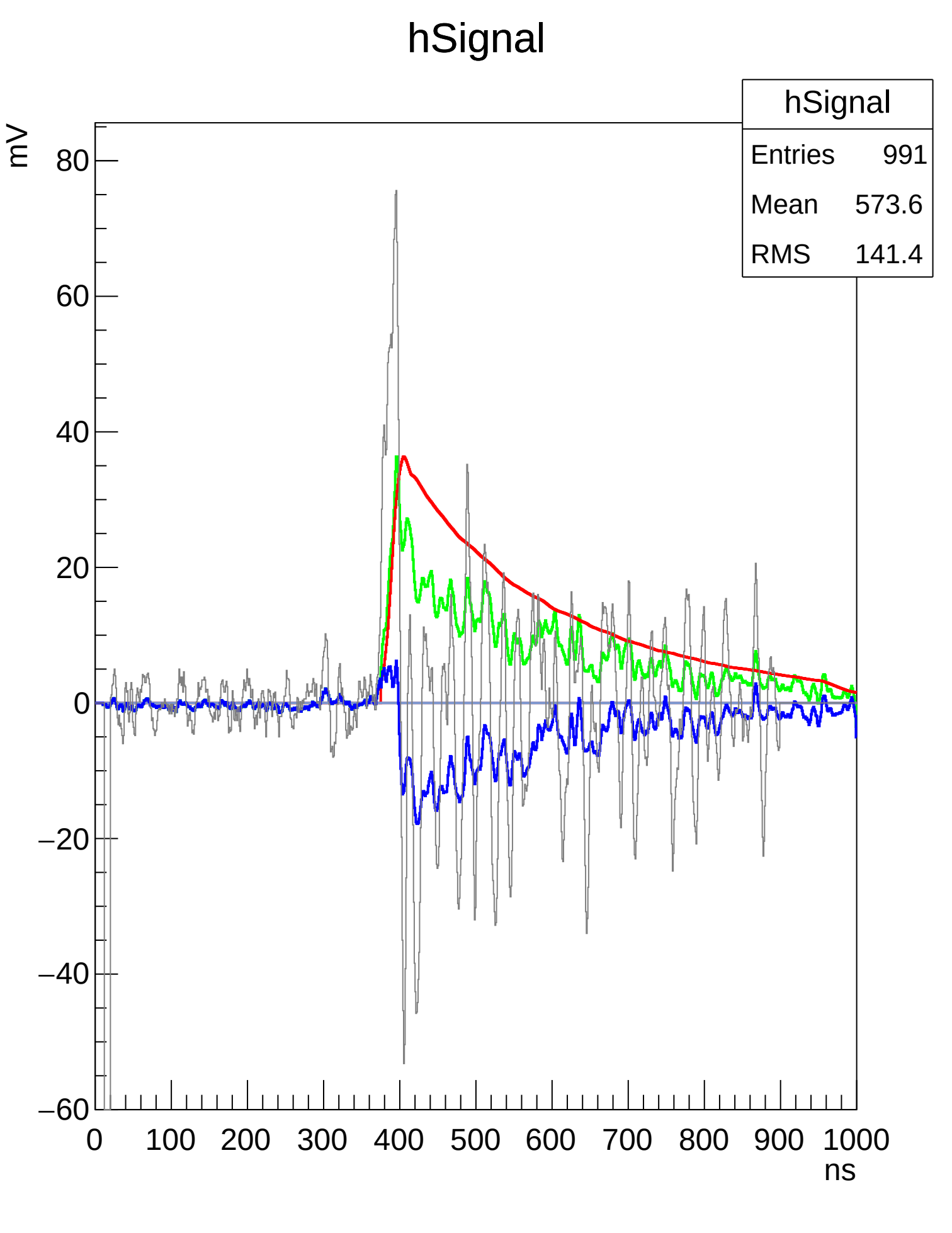

hSignal
hSignal
Entries 991
Mean 478.9
RMS 171.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

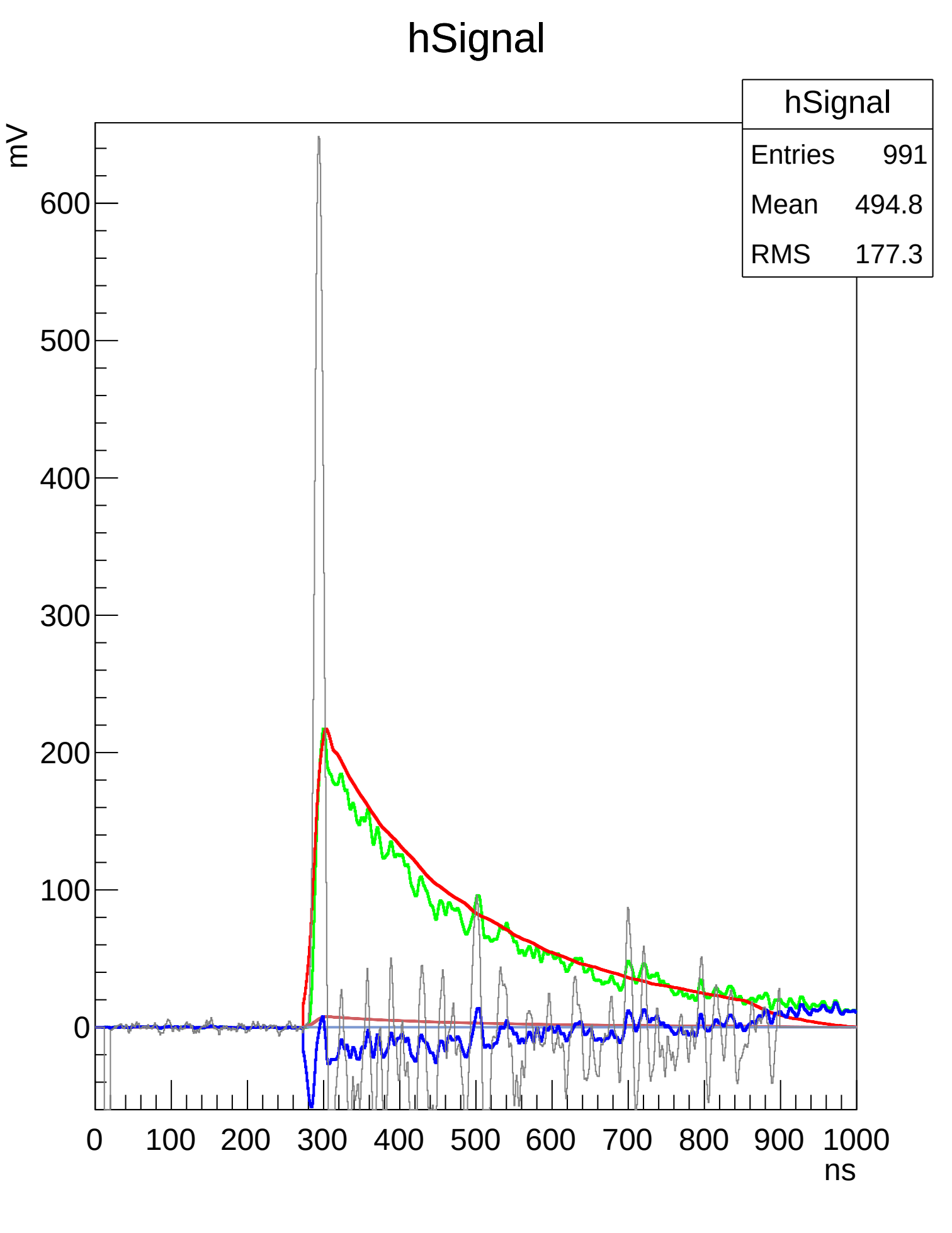

hSignal
hSignal
Entries 991
Mean 489.8
RMS 176.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

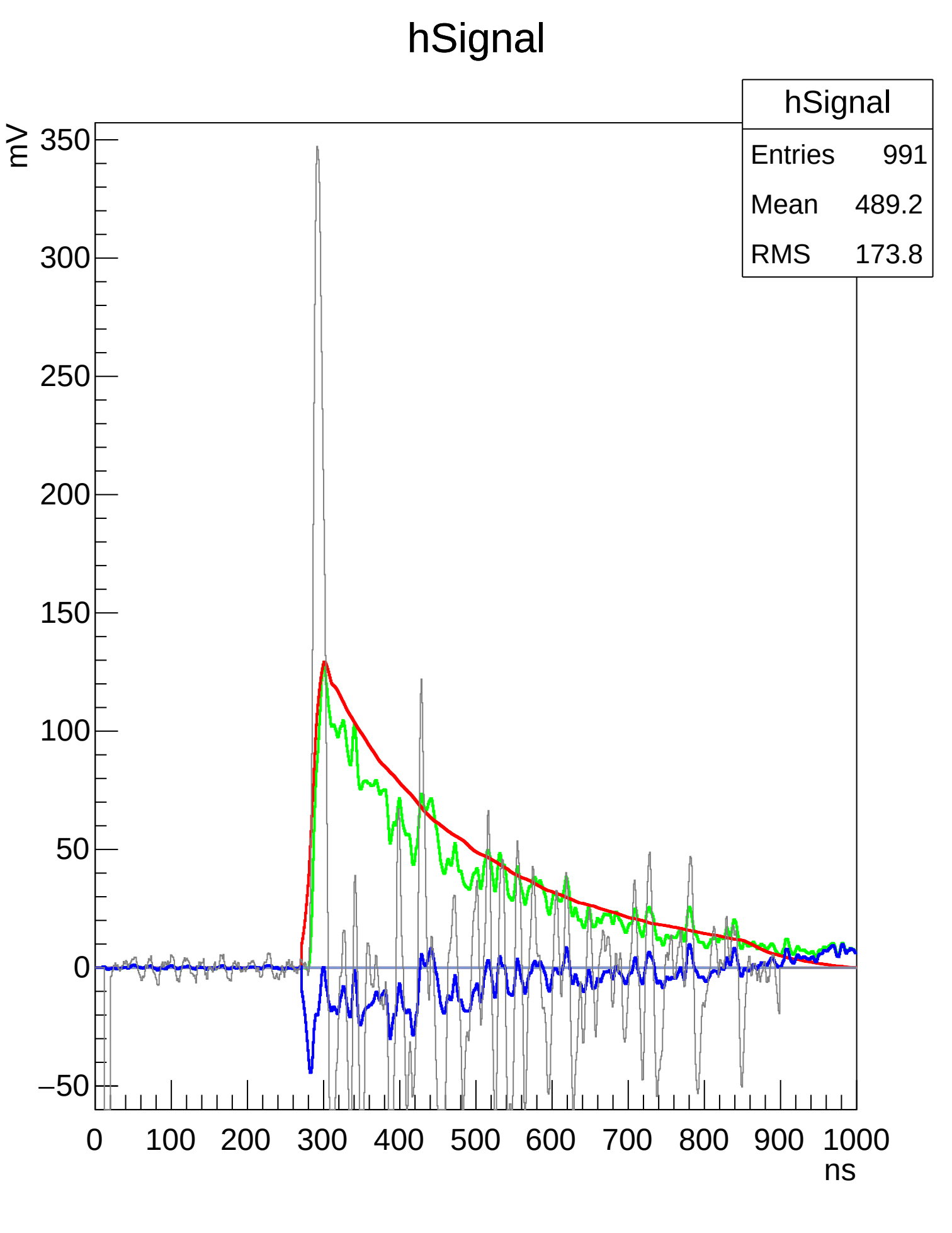

hSignal
hSignal
Entries 991
Mean 578.7
RMS 158.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

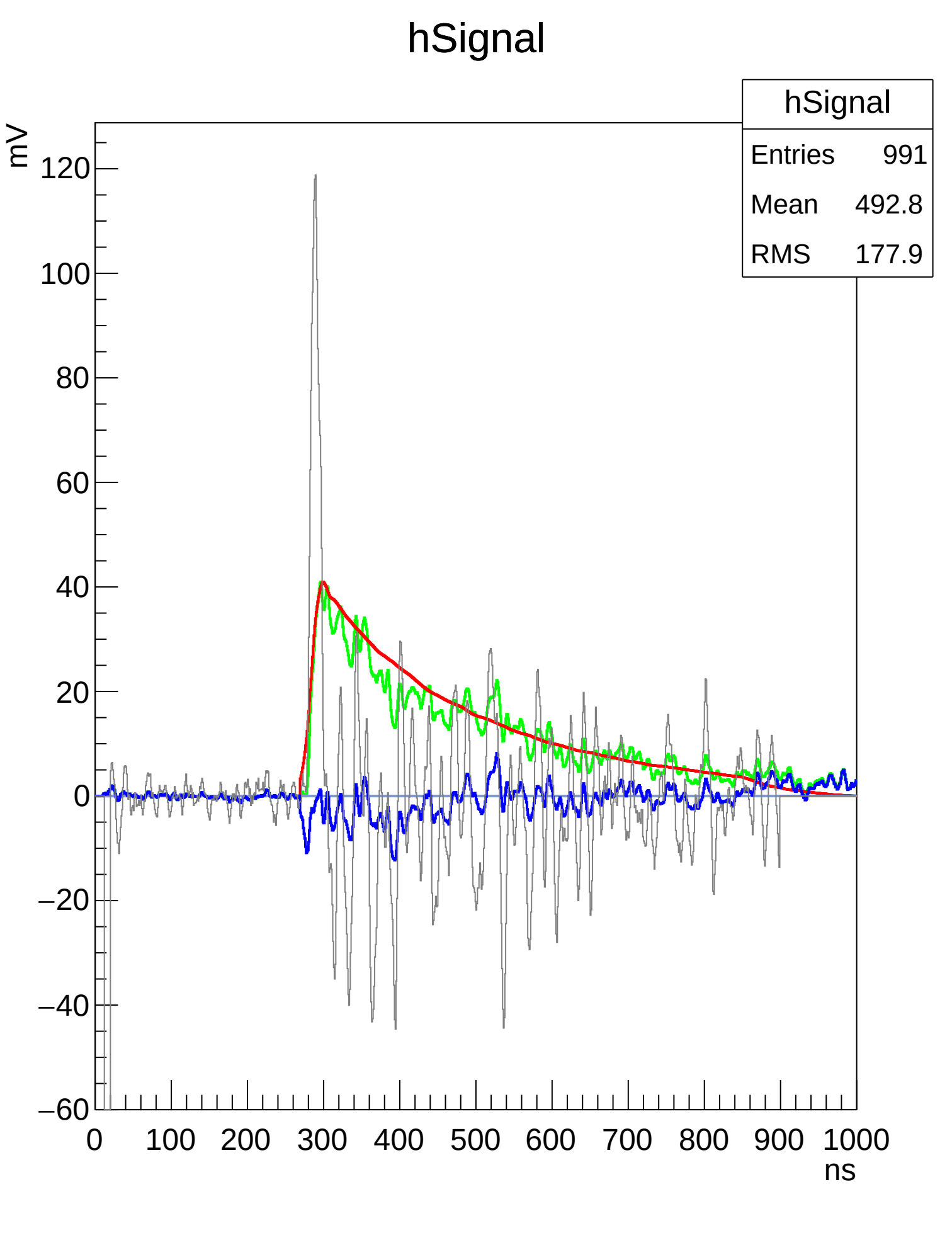

hSignal
hSignal
Entries 991
Mean 568.4
RMS 152.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

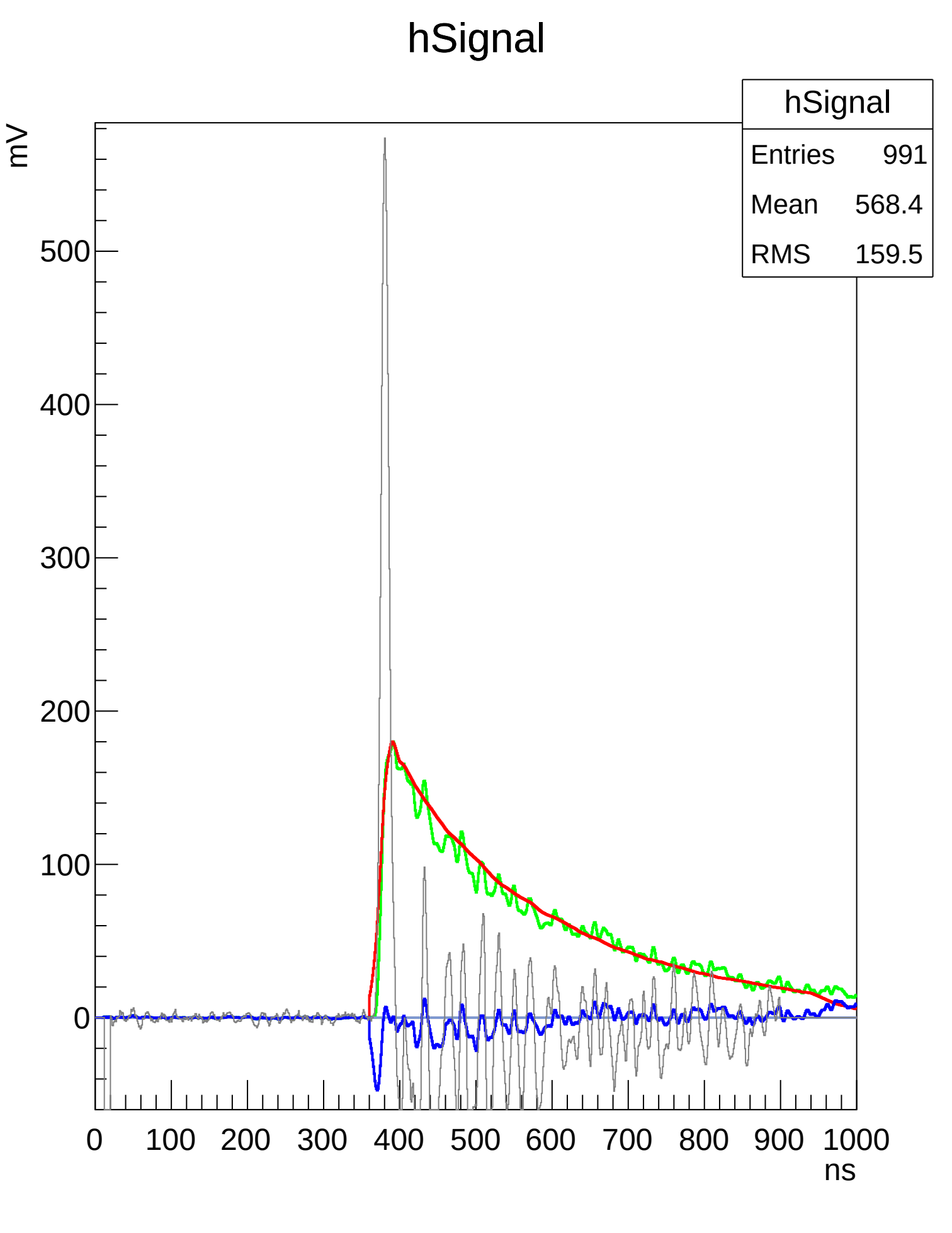

hSignal
hSignal
Entries 991
Mean 531.6
RMS 171.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

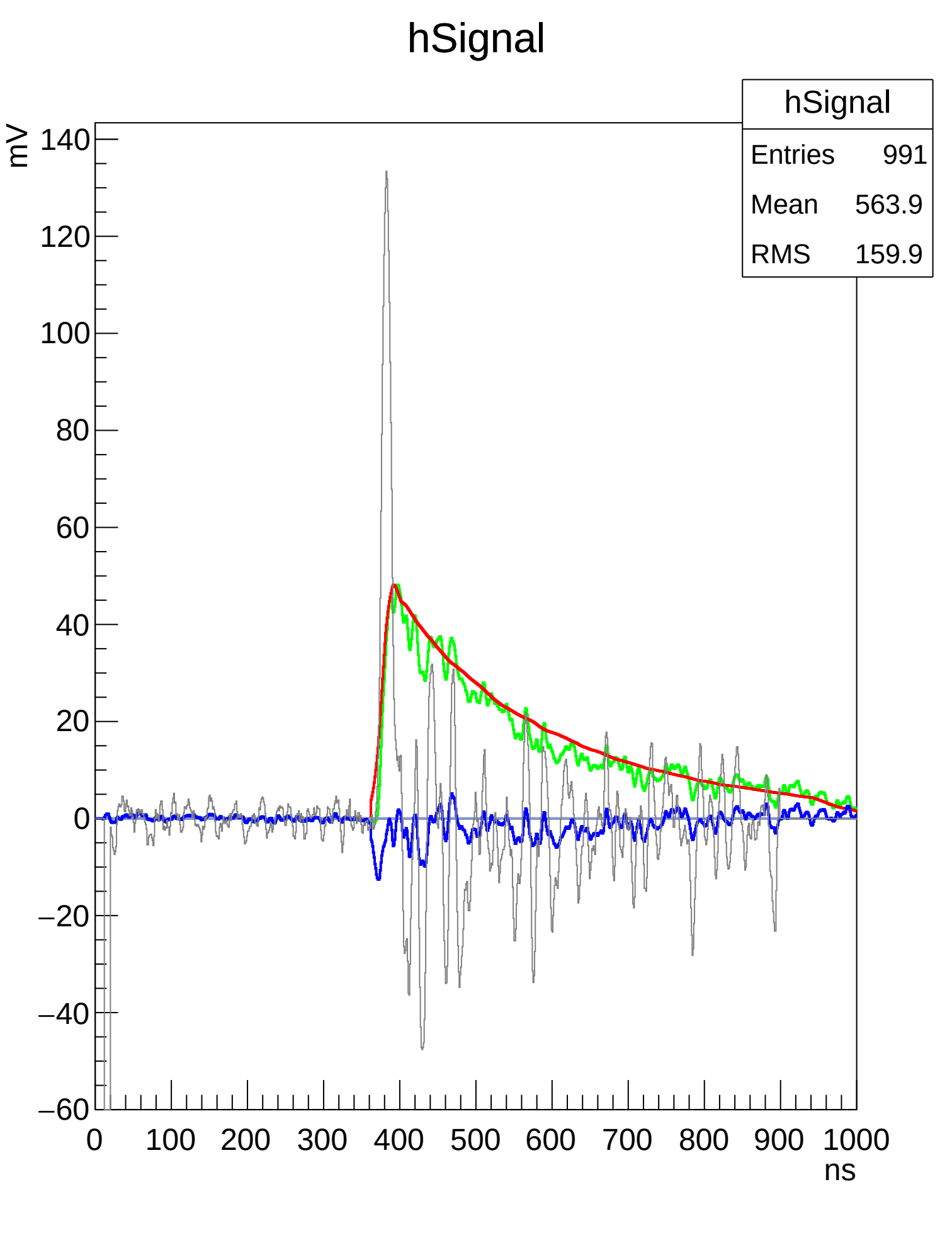

hSignal
hSignal
Entries 991
Mean 573.6
RMS 141.4
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

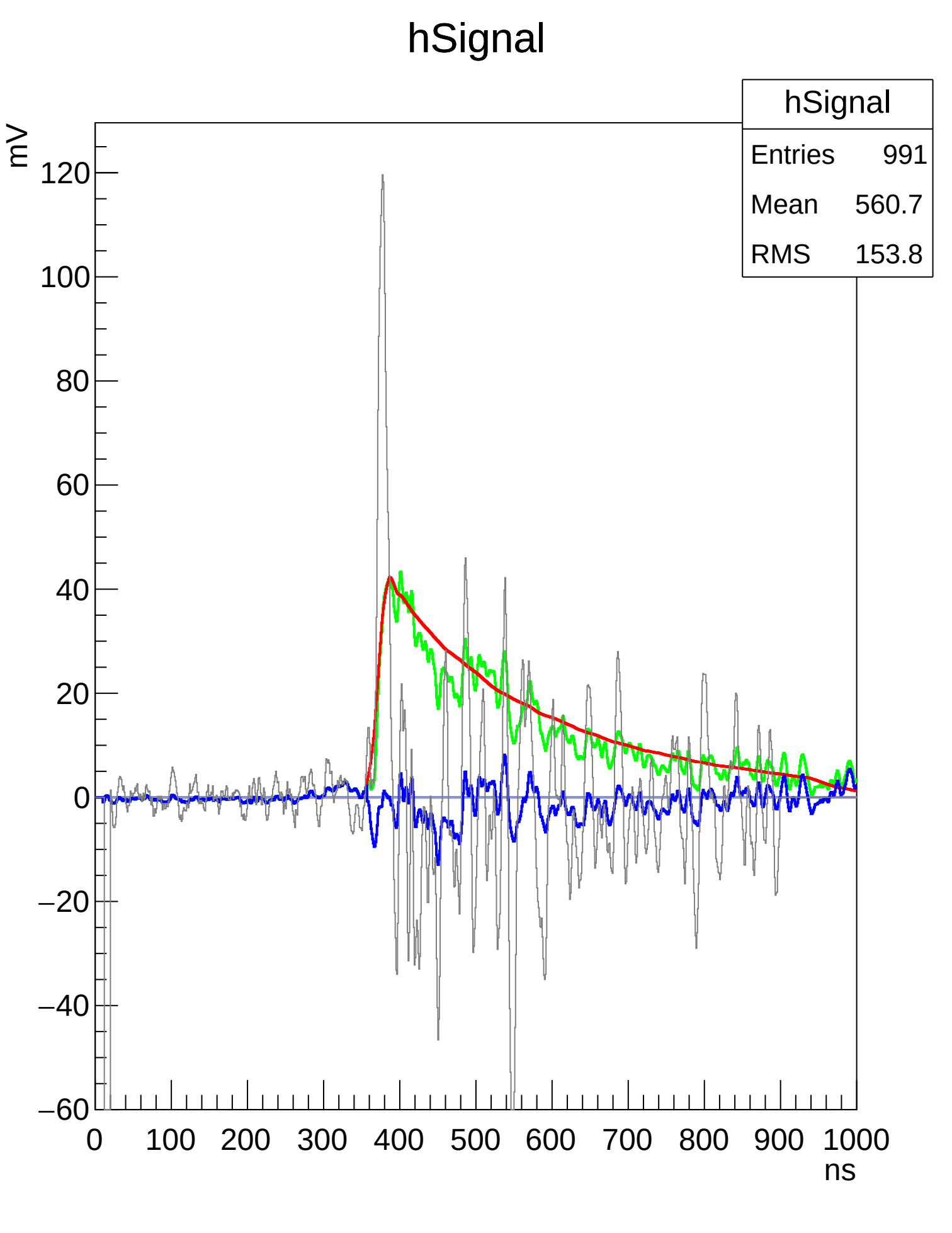

hSignal
hSignal
Entries 991
Mean 494.8
RMS 177.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

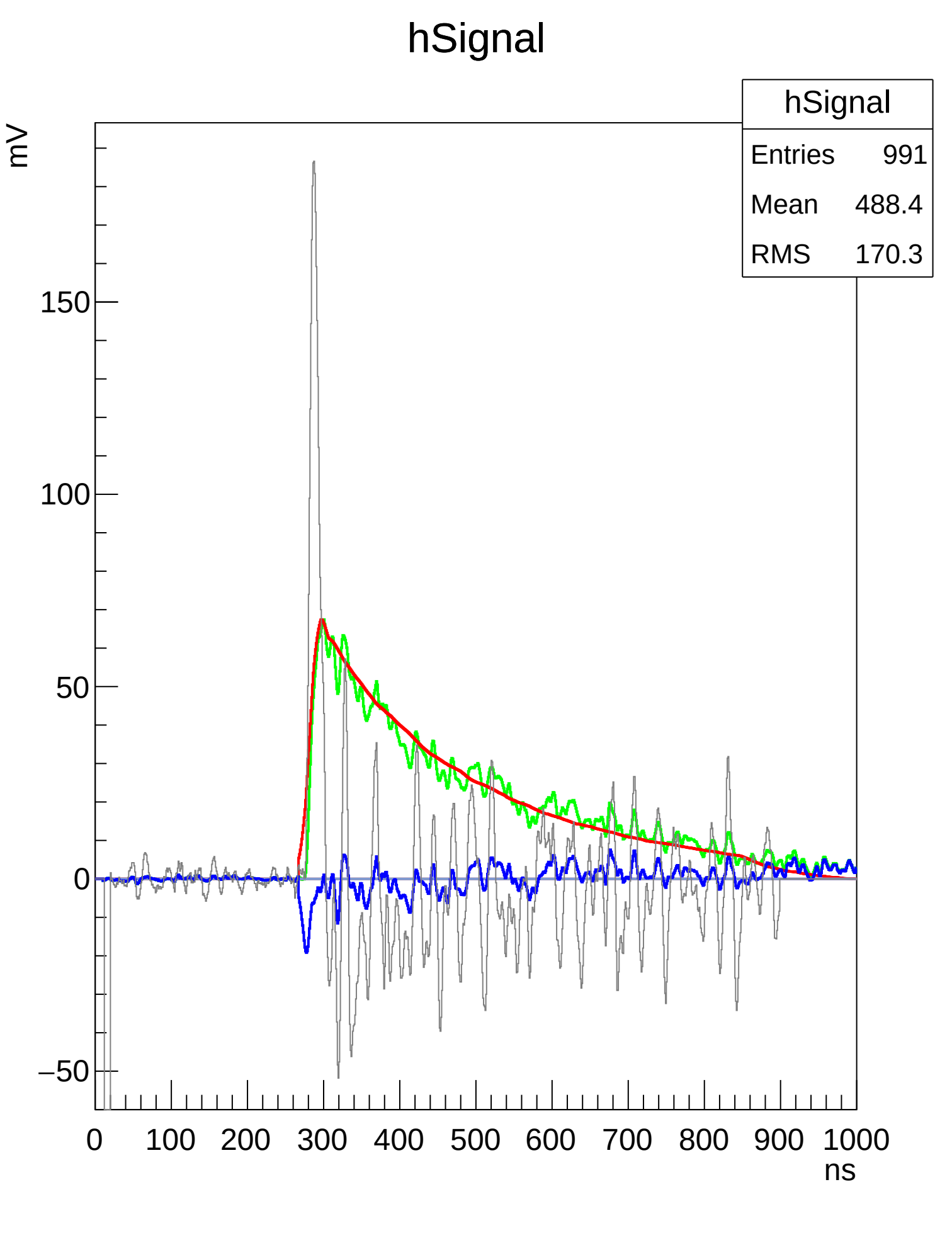

hSignal
hSignal
Entries 991
Mean 489.2
RMS 173.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

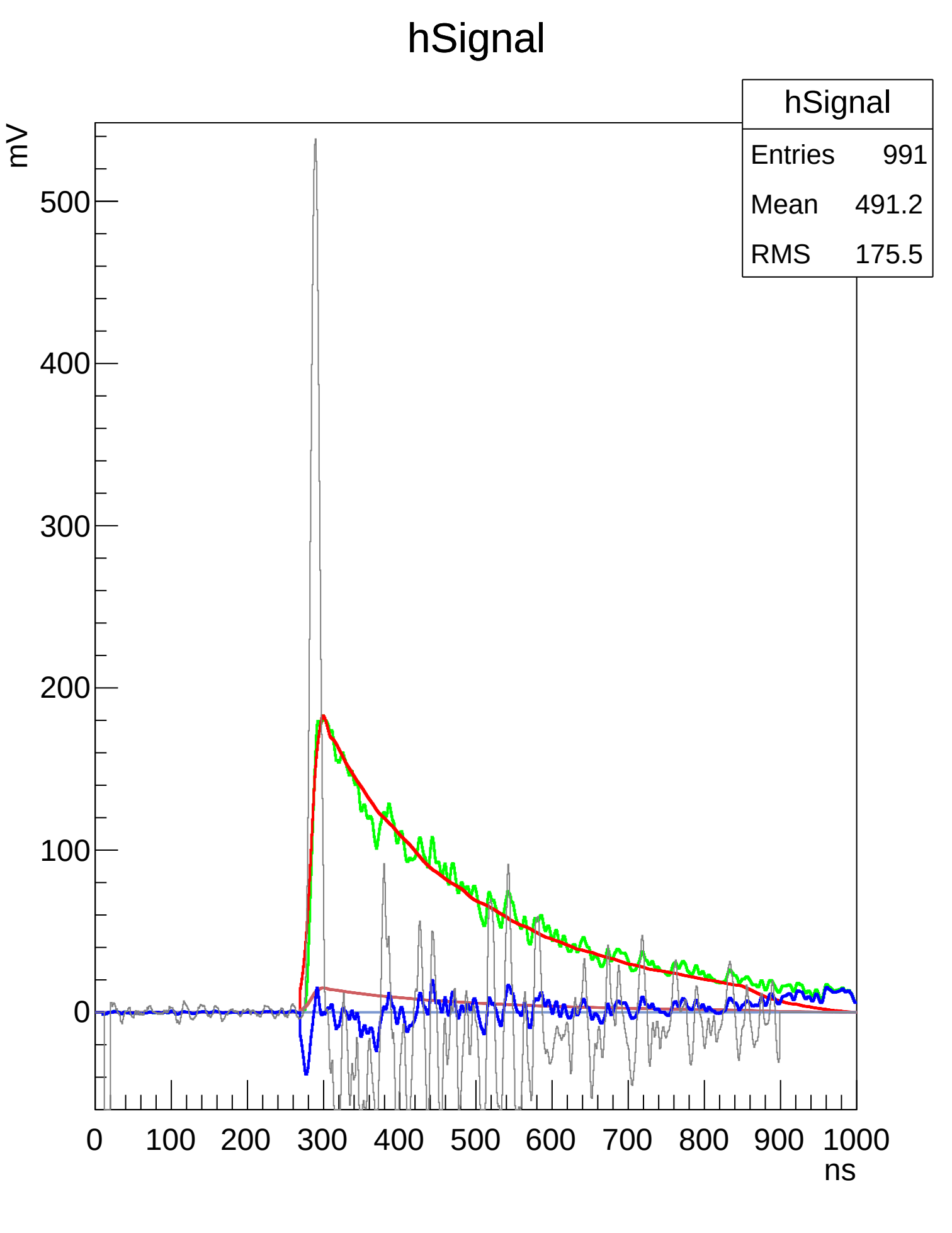

hSignal
hSignal
Entries 991
Mean 492.8
RMS 177.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

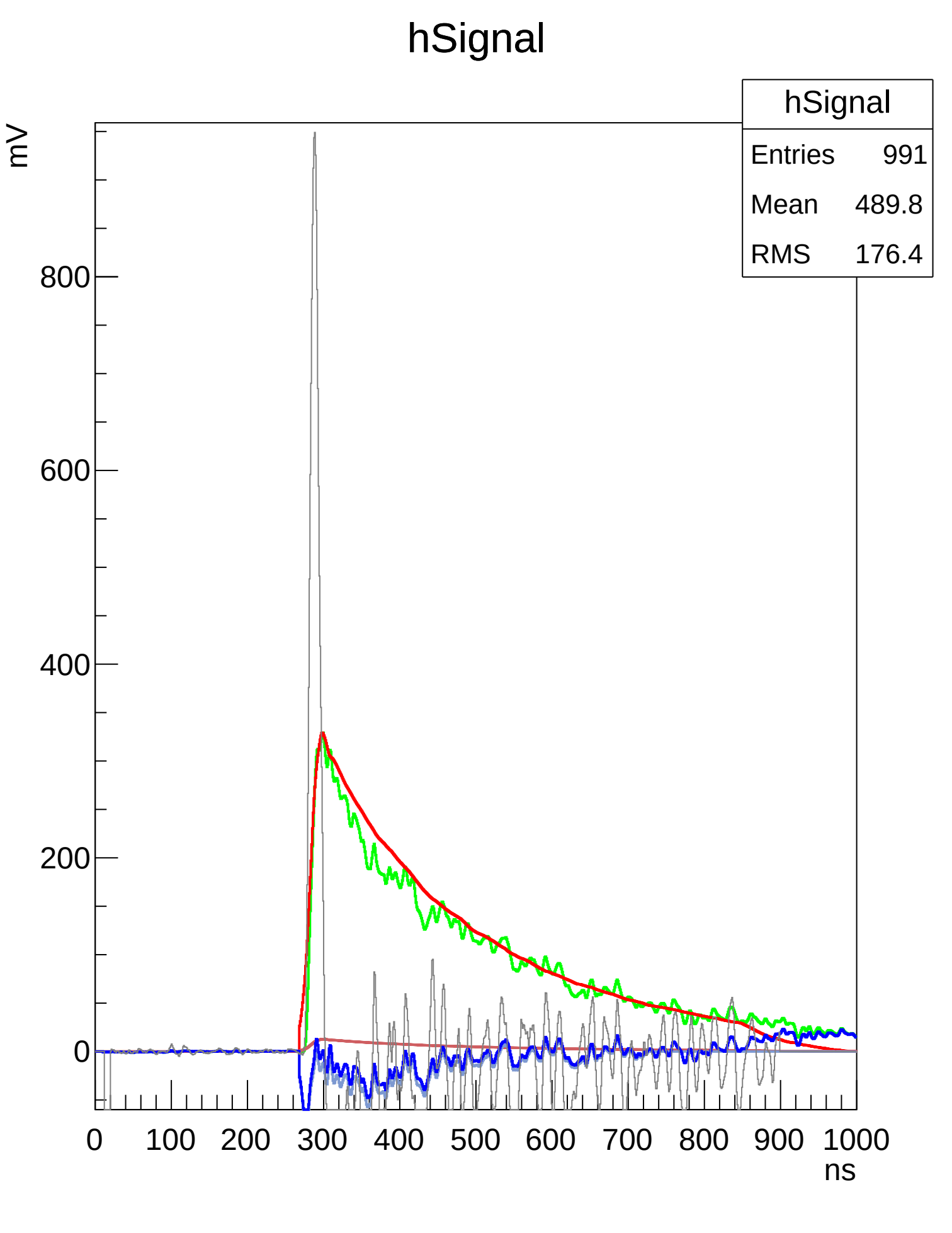

hSignal
hSignal
Entries 991
Mean 568.4
RMS 159.5
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

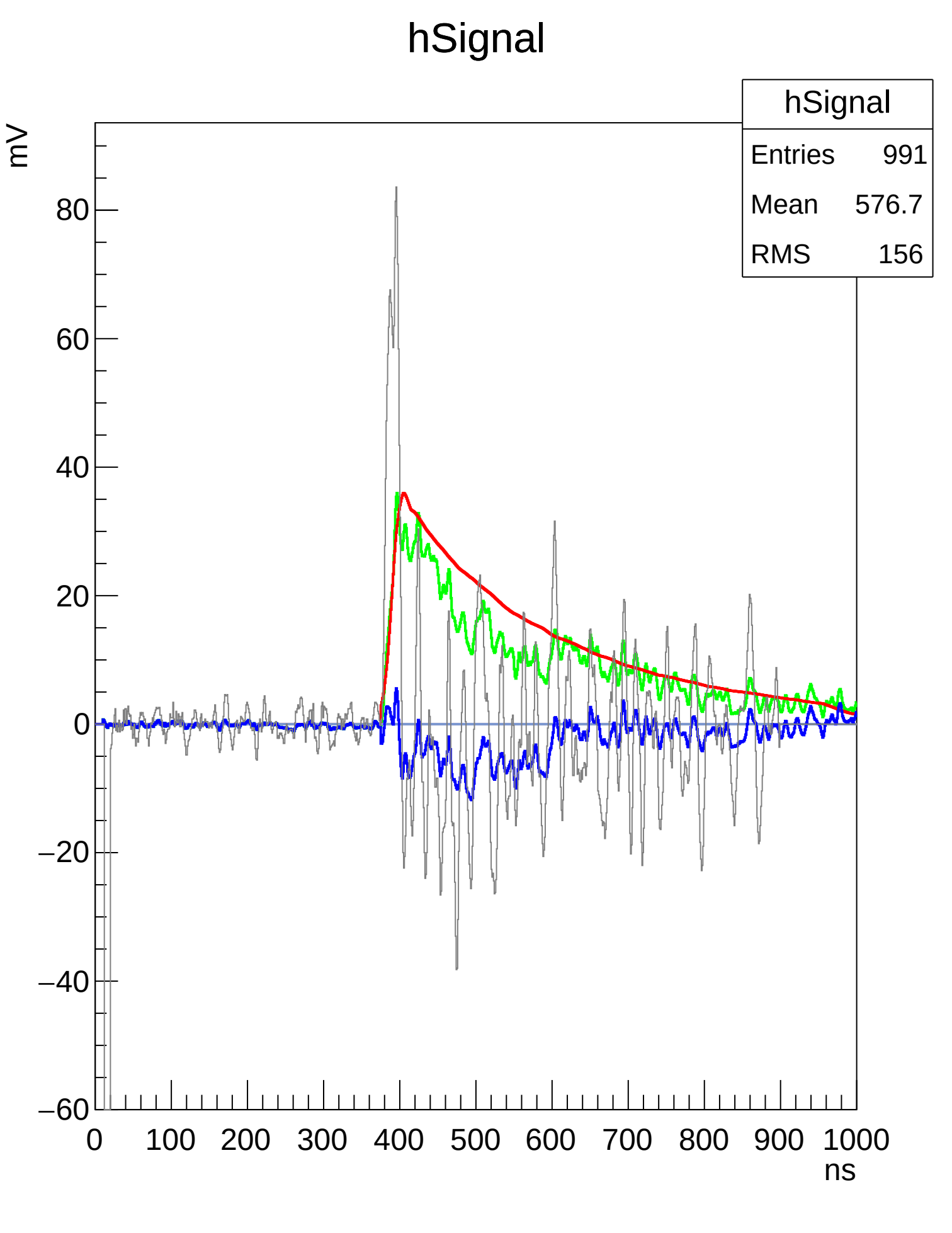

hSignal
hSignal
Entries 991
Mean 563.9
RMS 159.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

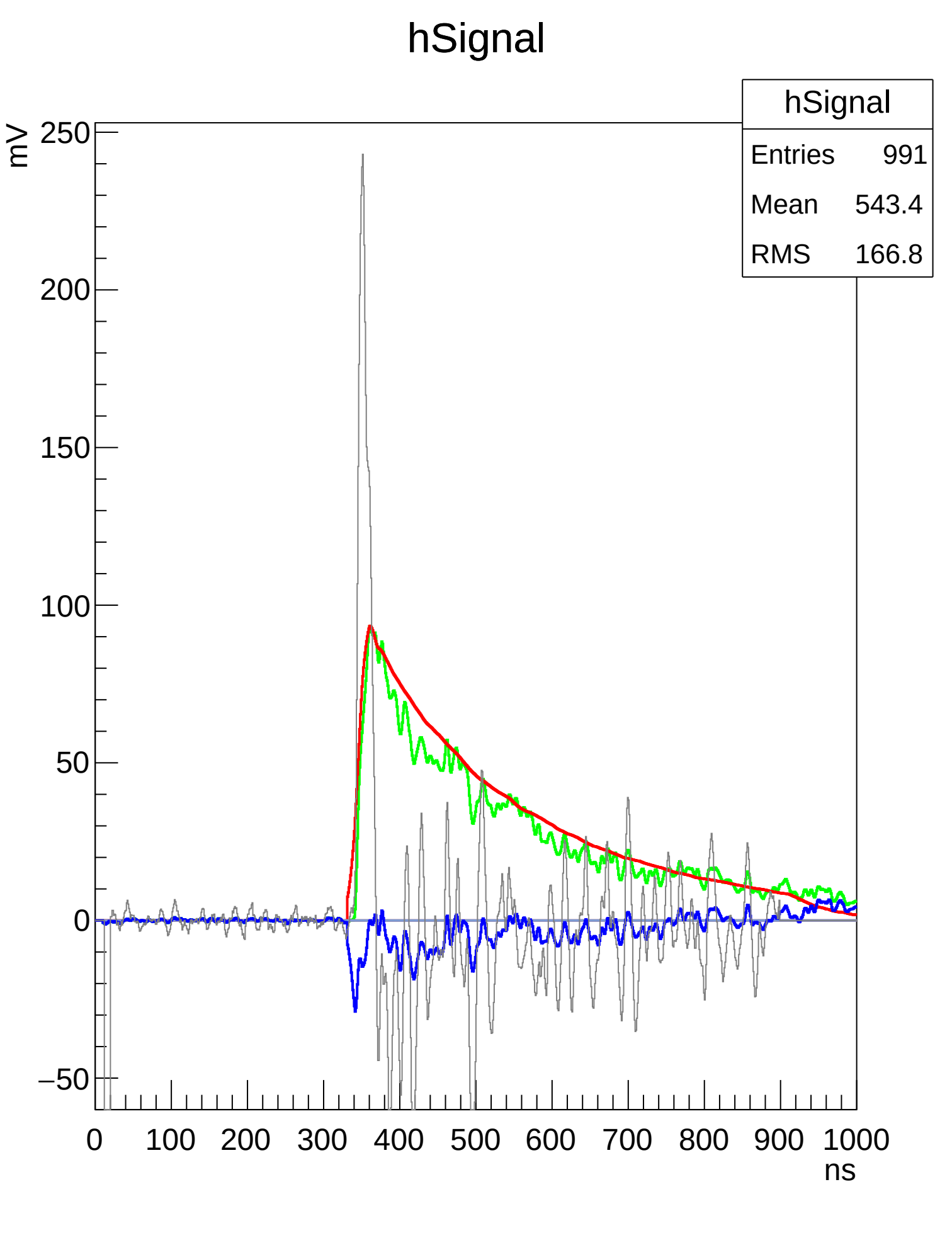

hSignal
hSignal
Entries 991
Mean 560.7
RMS 153.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

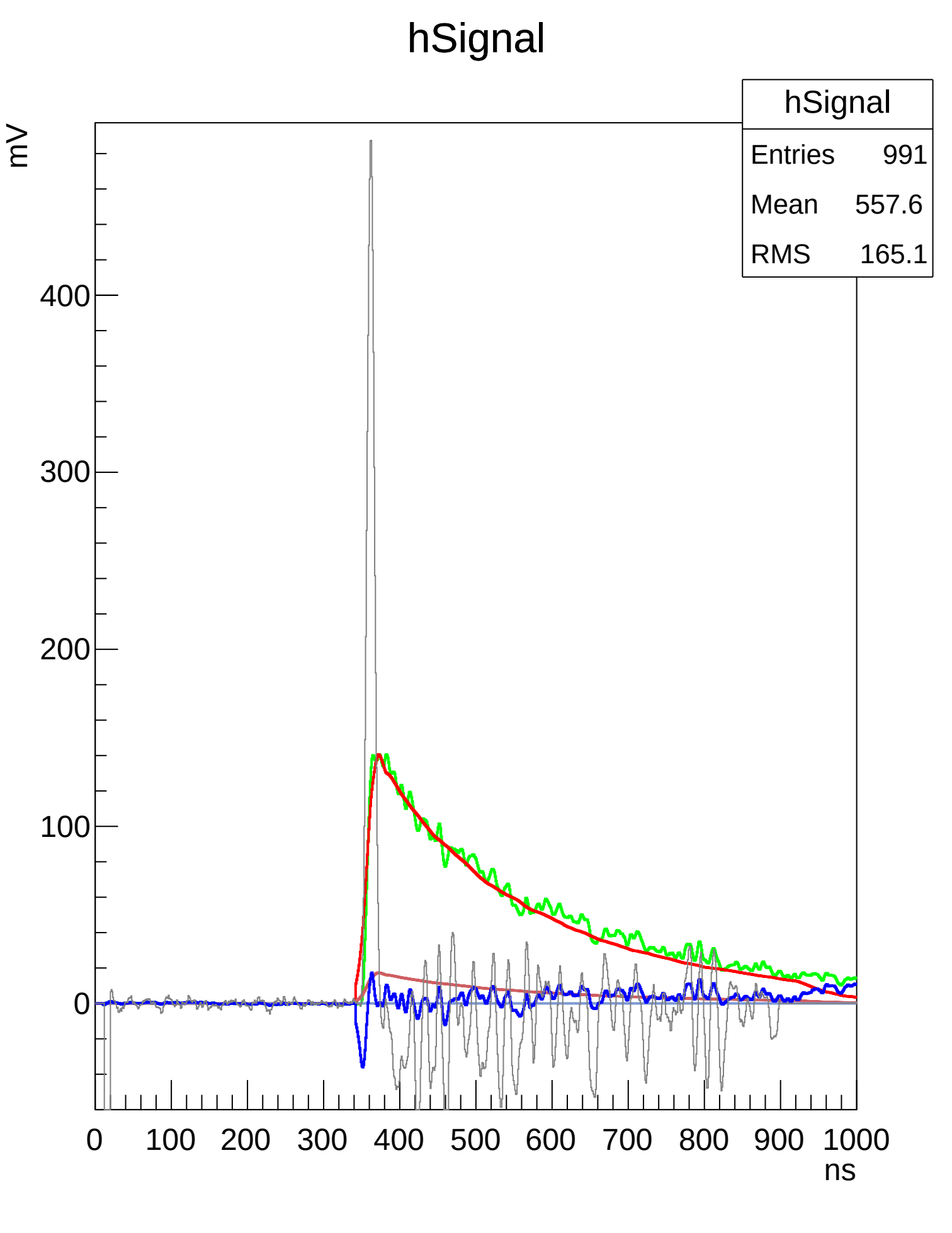

hSignal
hSignal
Entries 991
Mean 488.4
RMS 170.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

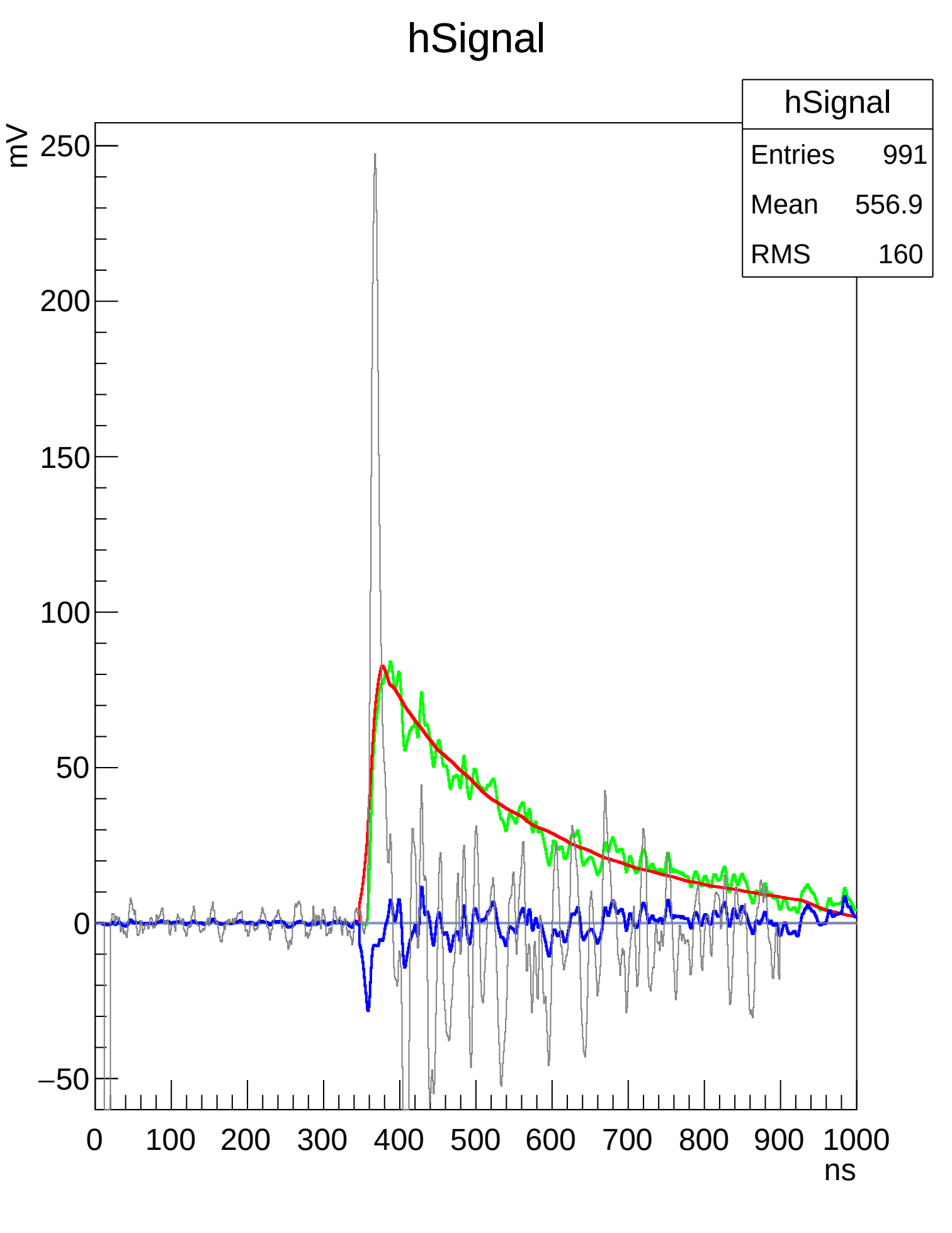

hSignal
hSignal
Entries 991
Mean 491.2
RMS 175.5
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

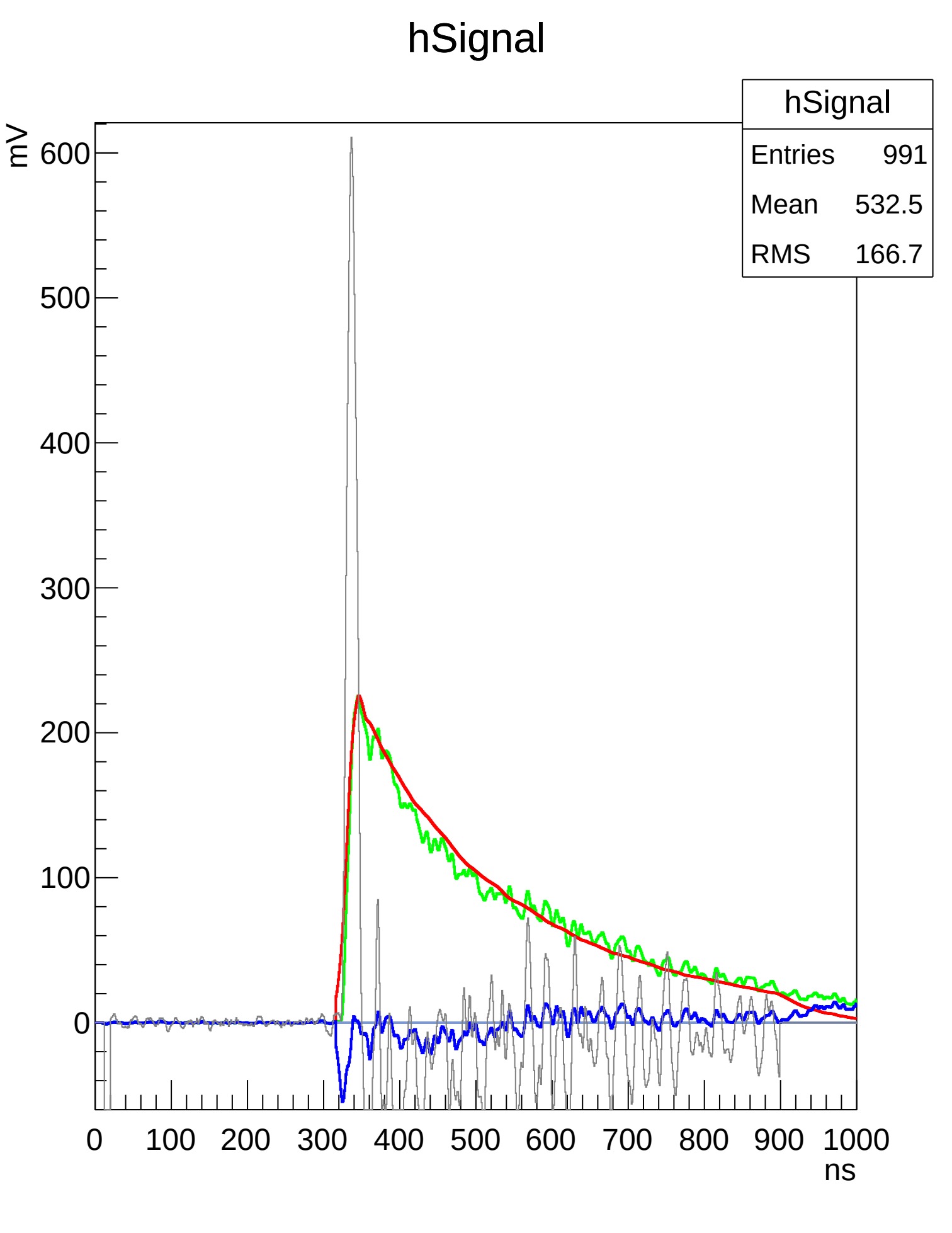

hSignal
hSignal
Entries 991
Mean 489.8
RMS 176.4
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

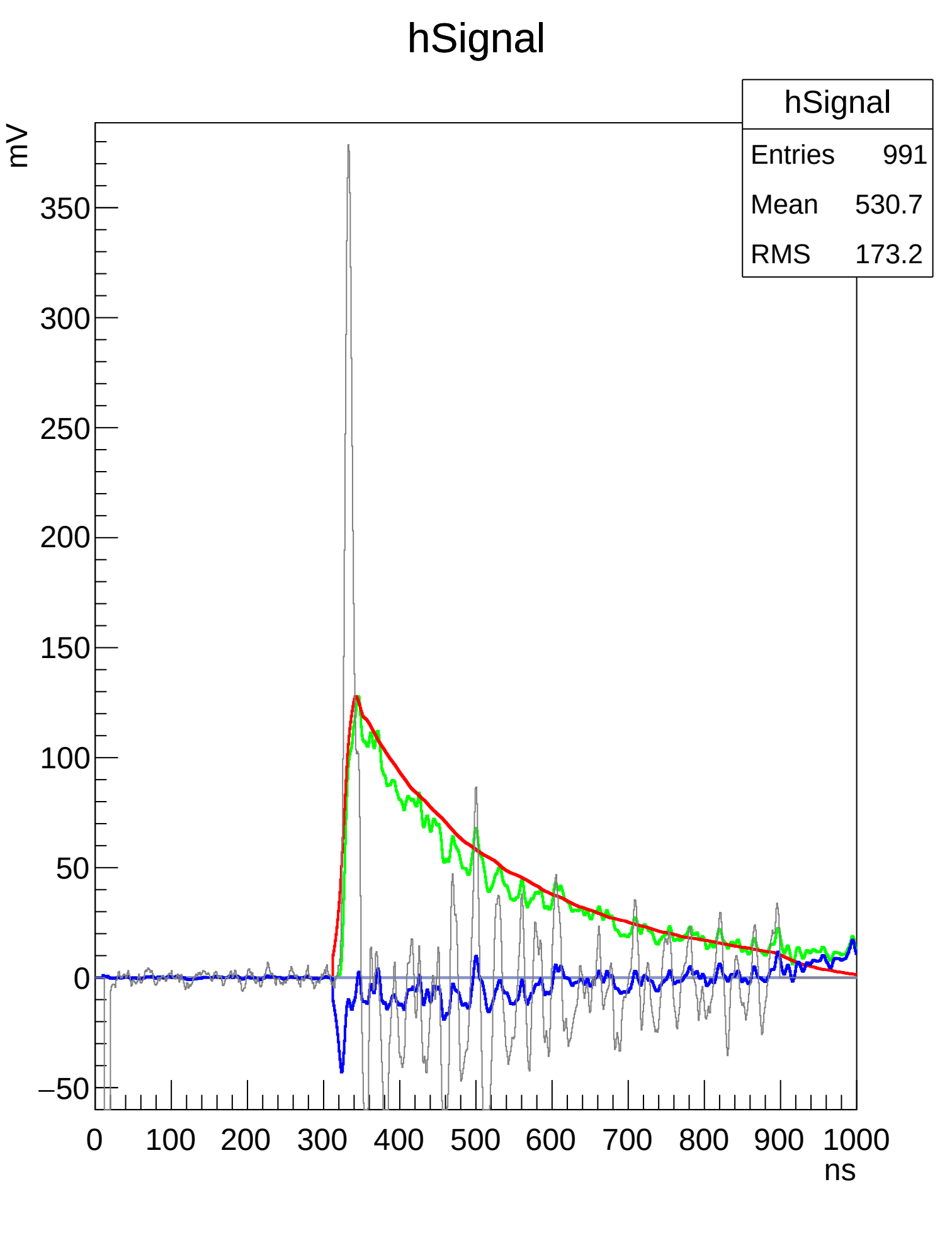

hSignal
hSignal
Entries 991
Mean 576.7
RMS 156
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

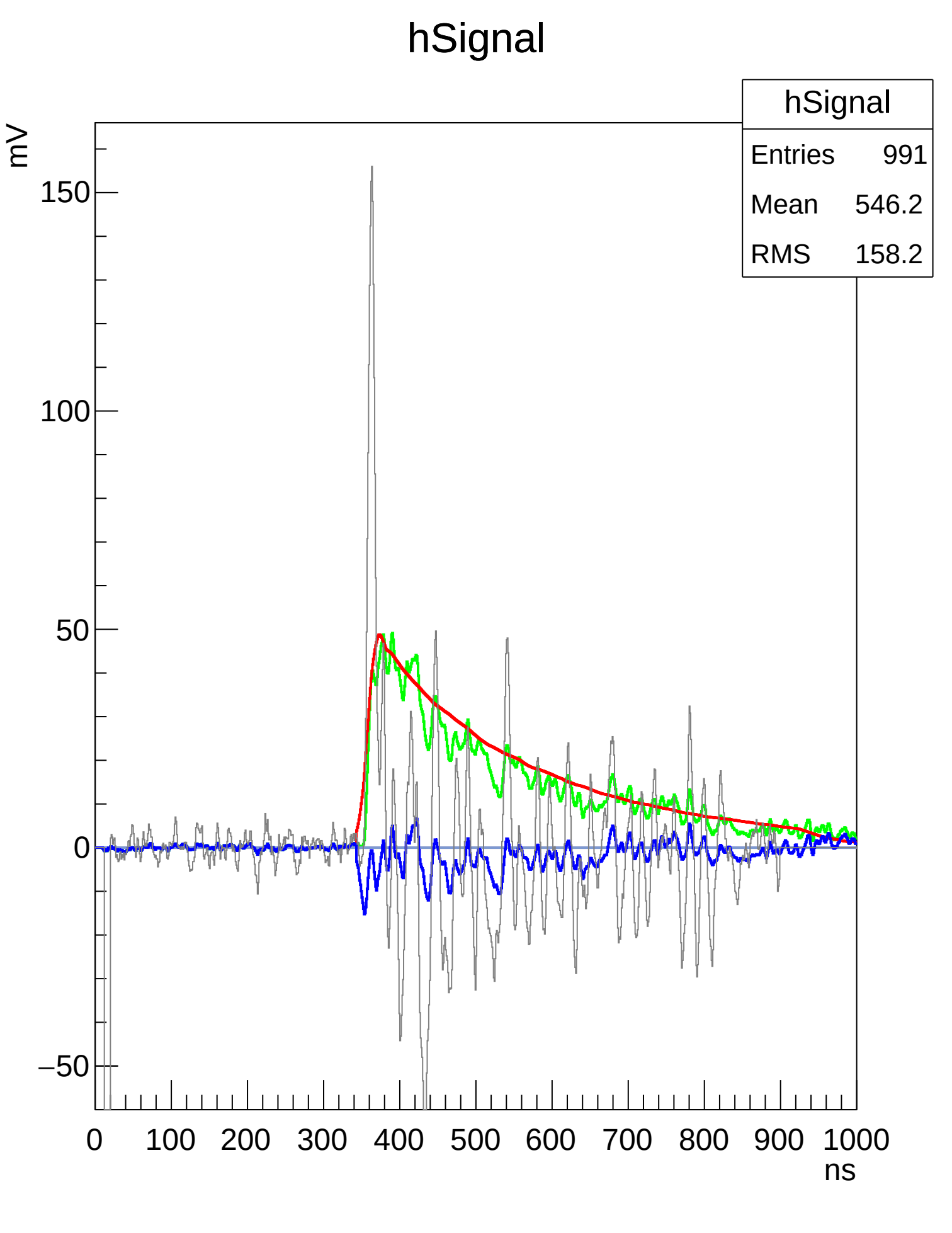

hSignal
hSignal
Entries 991
Mean 543.4
RMS 166.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

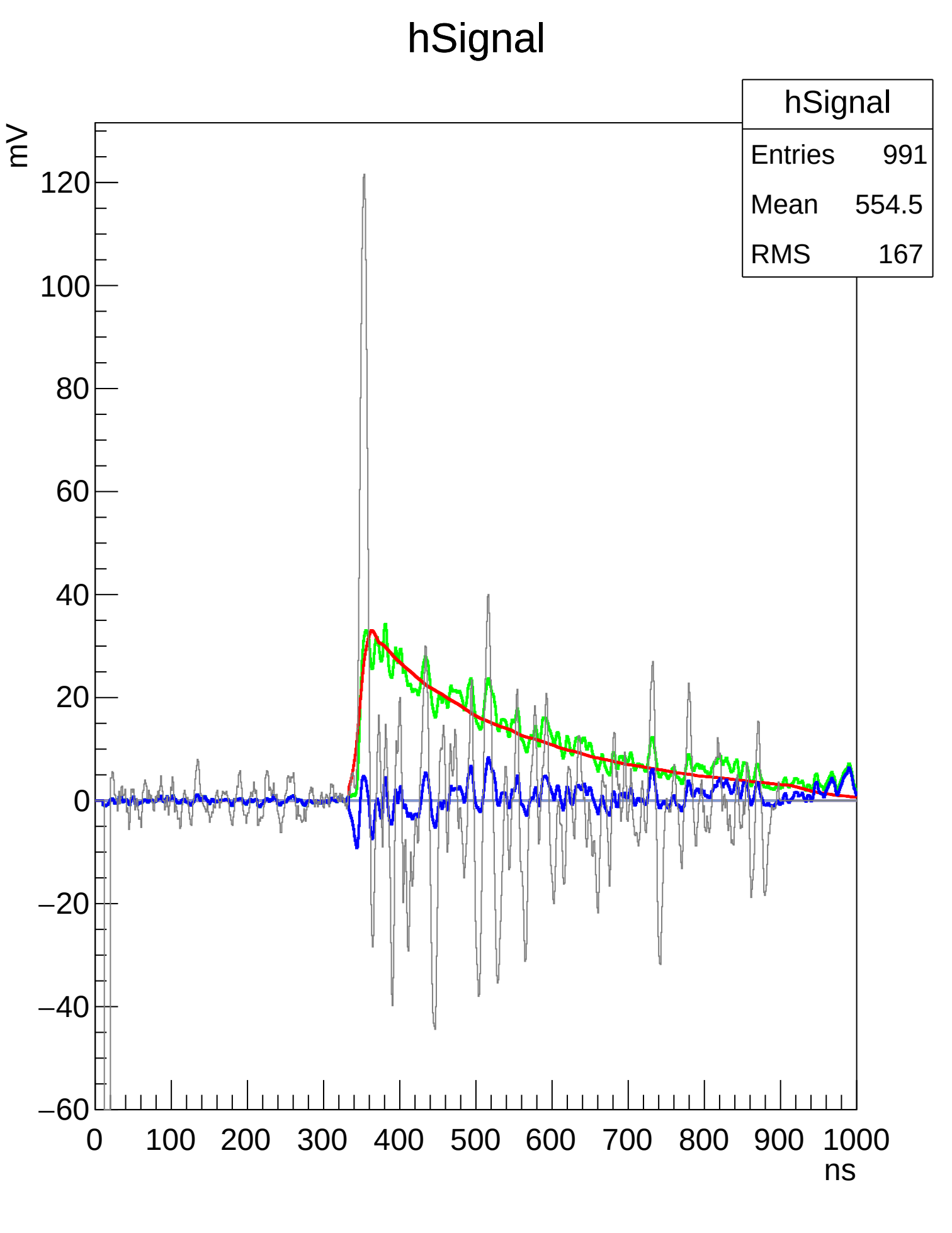

hSignal
hSignal
Entries 991
Mean 557.6
RMS 165.1
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

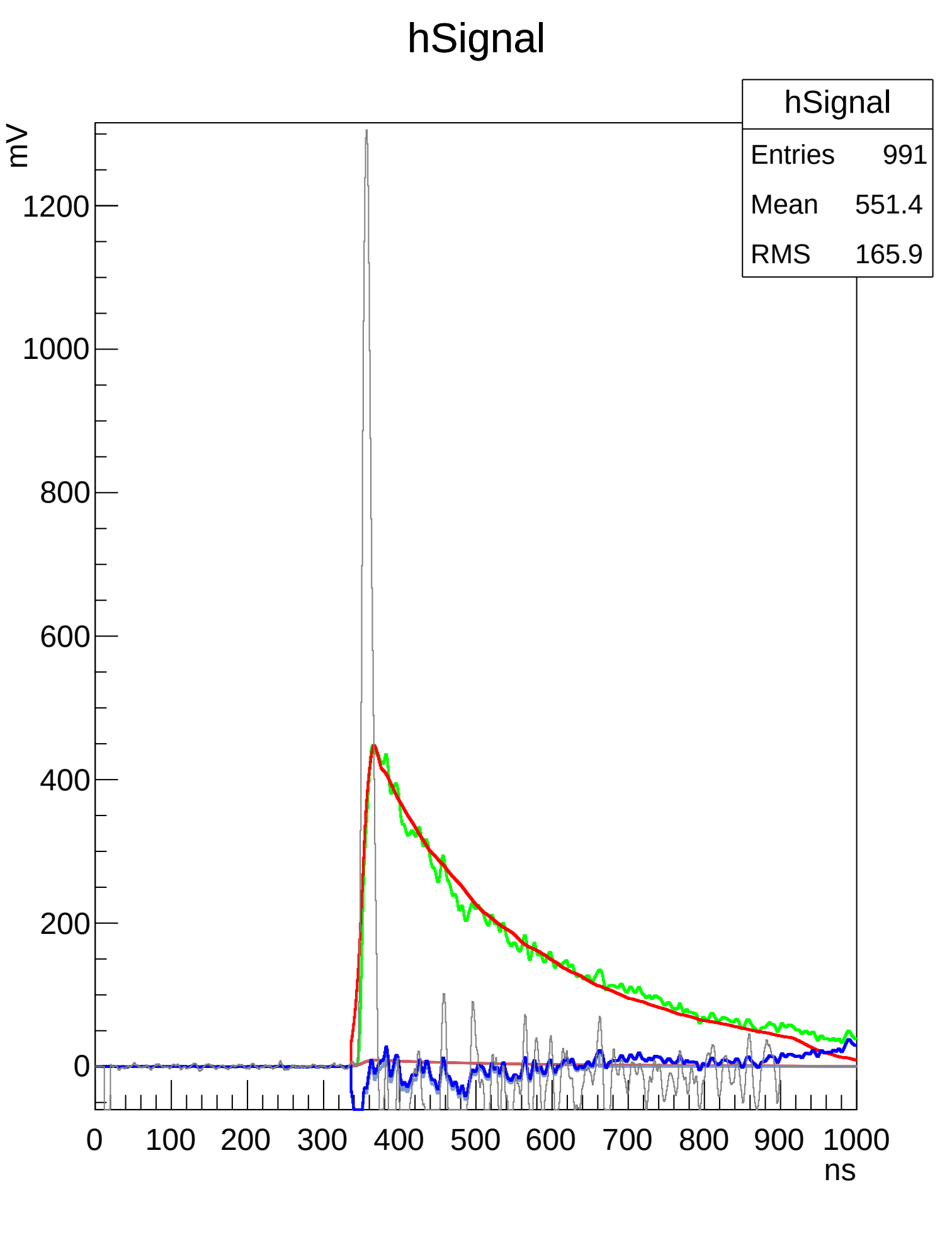

hSignal
hSignal
Entries 991
Mean 556.9
RMS 160
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

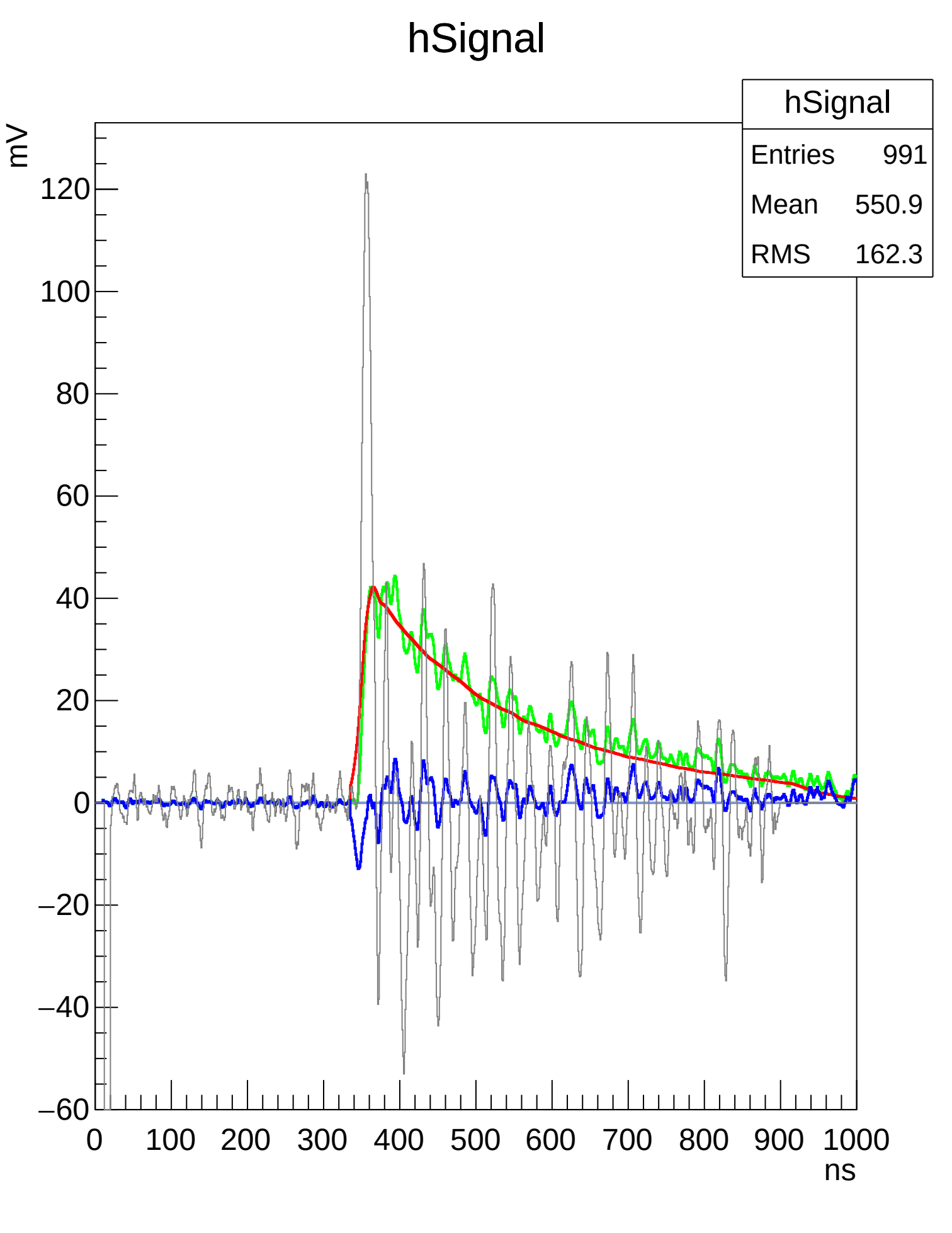

hSignal
hSignal
Entries 991
Mean 532.5
RMS 166.7
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

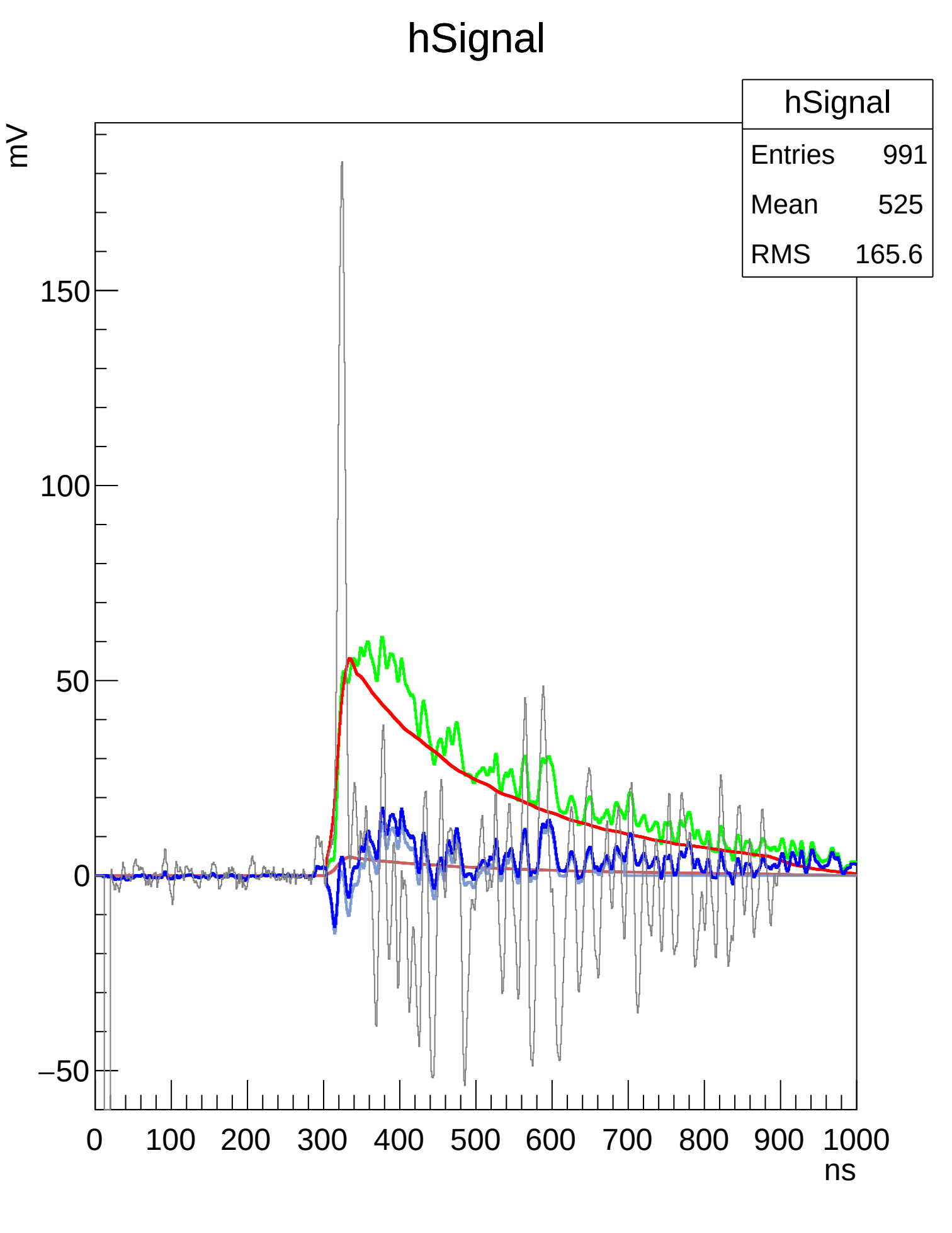

hSignal
hSignal
Entries 991
Mean 530.7
RMS 173.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

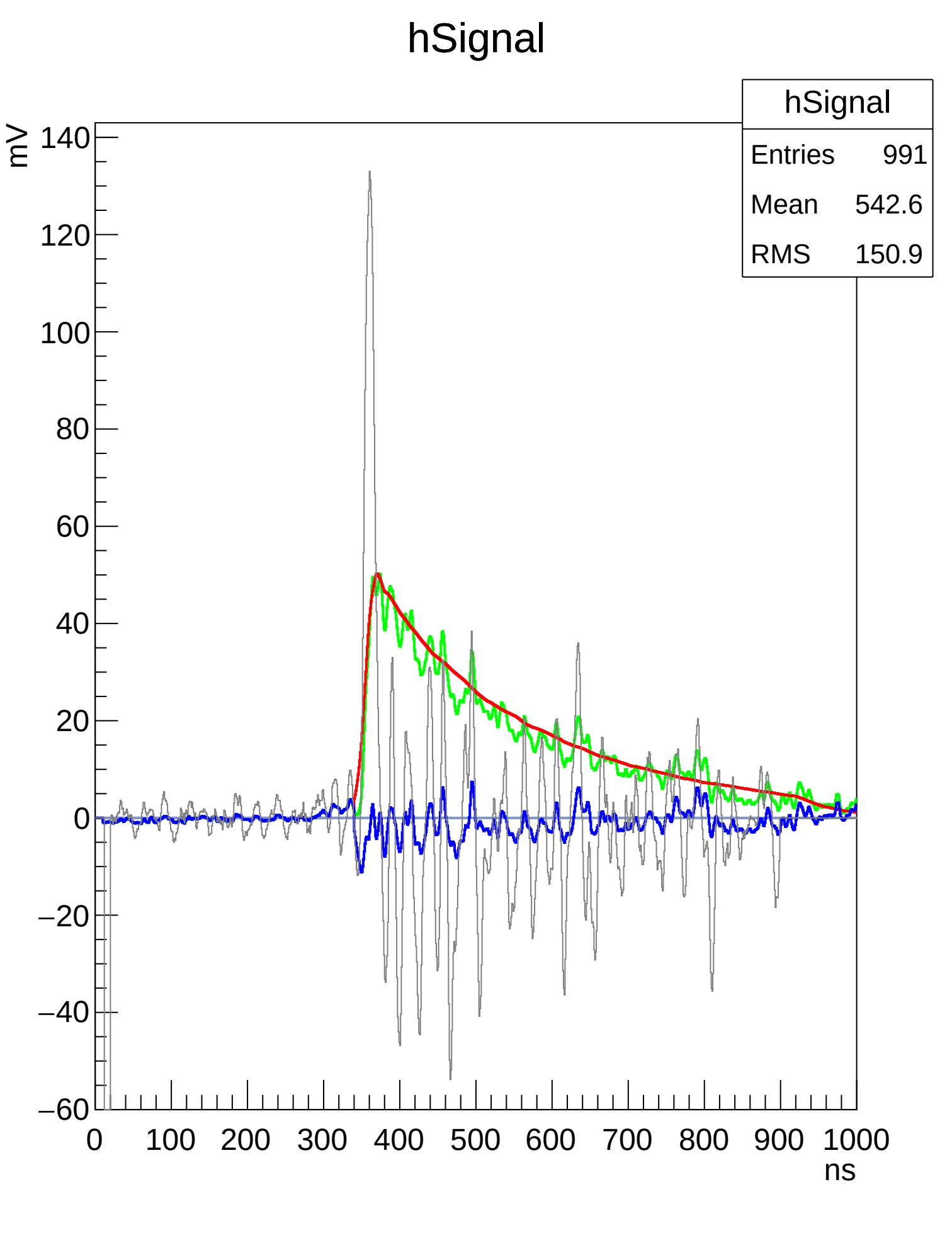

hSignal
hSignal
Entries 991
Mean 546.2
RMS 158.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

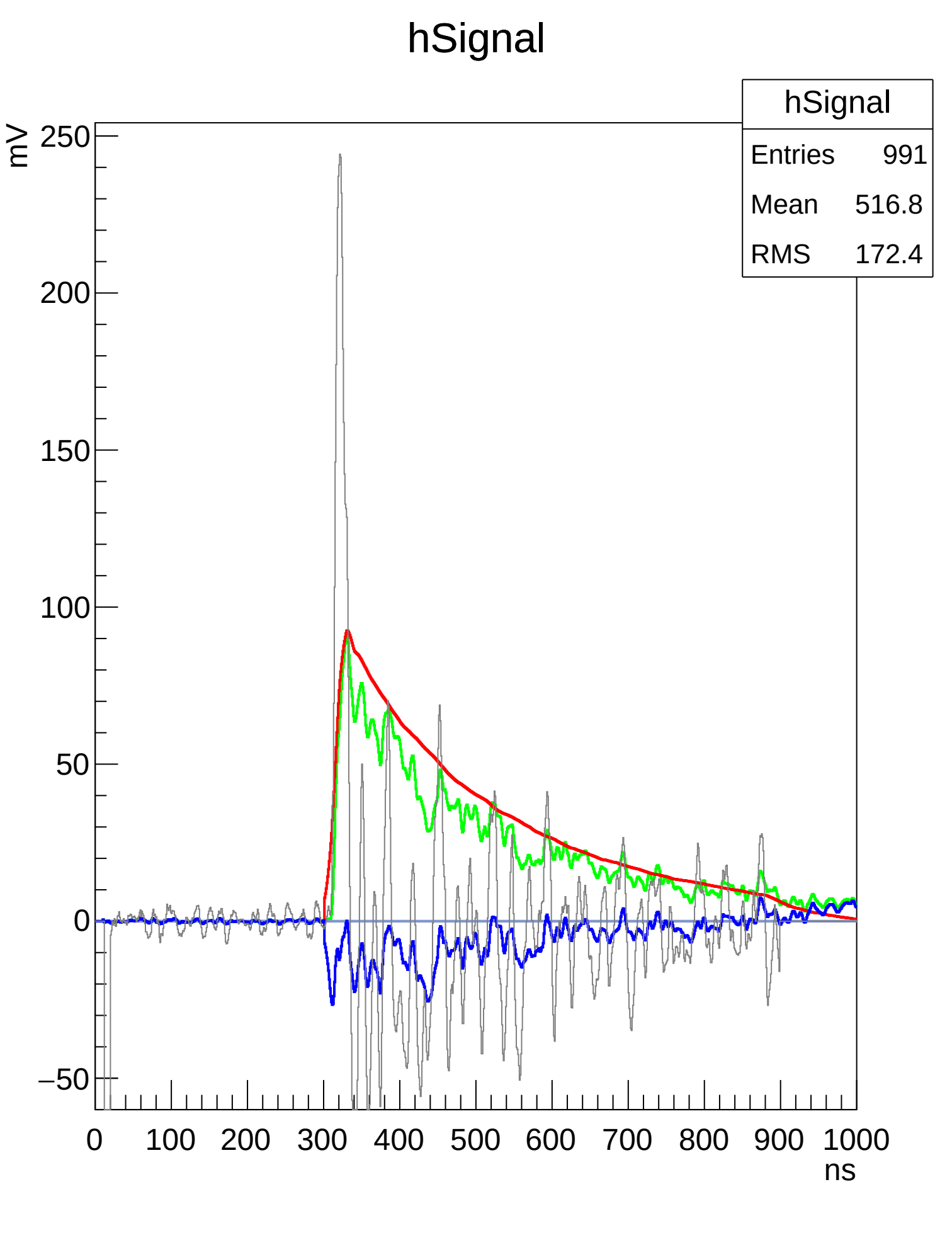

hSignal
hSignal
Entries 991
Mean 554.5
RMS 167
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

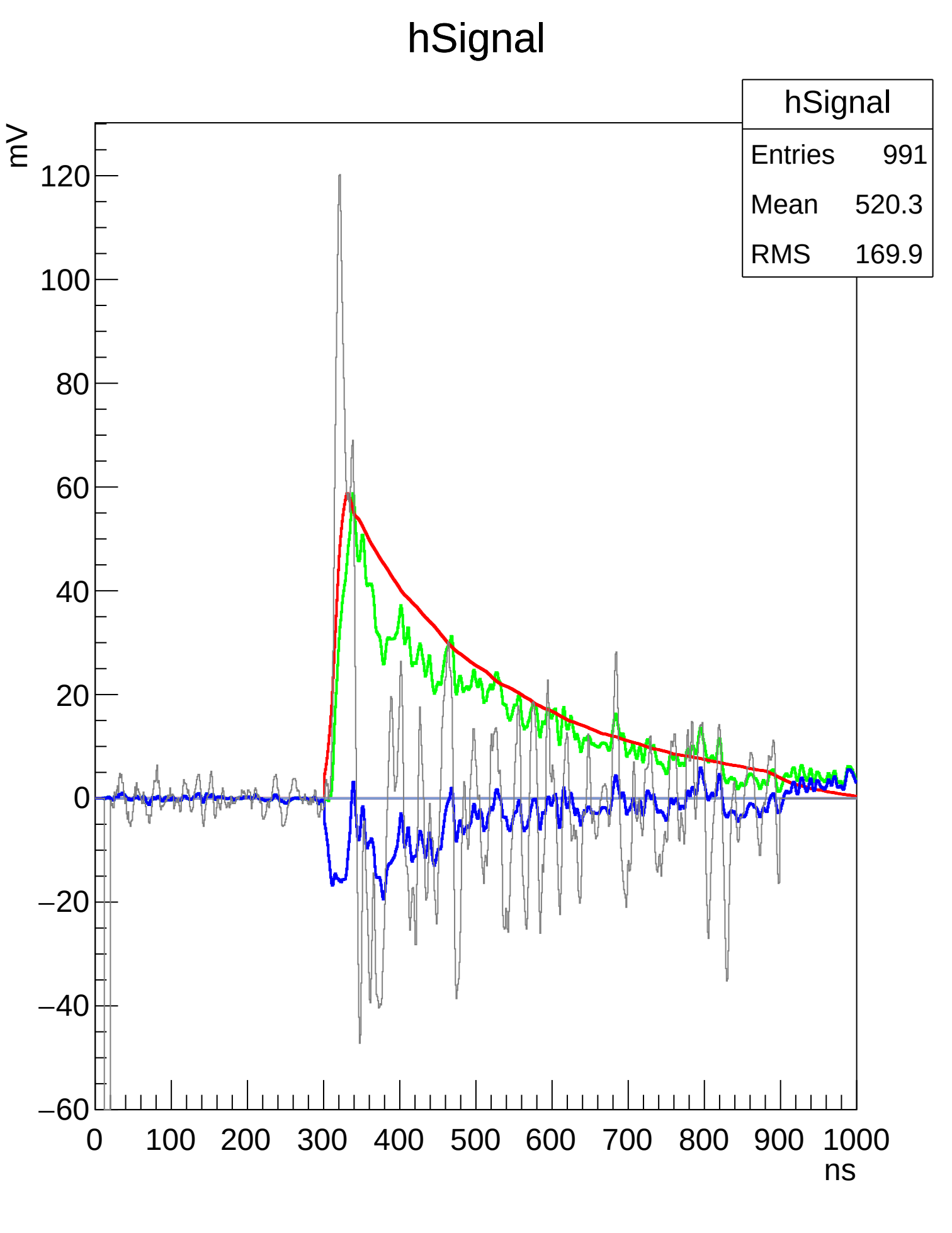

hSignal
hSignal
Entries 991
Mean 551.4
RMS 165.9
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

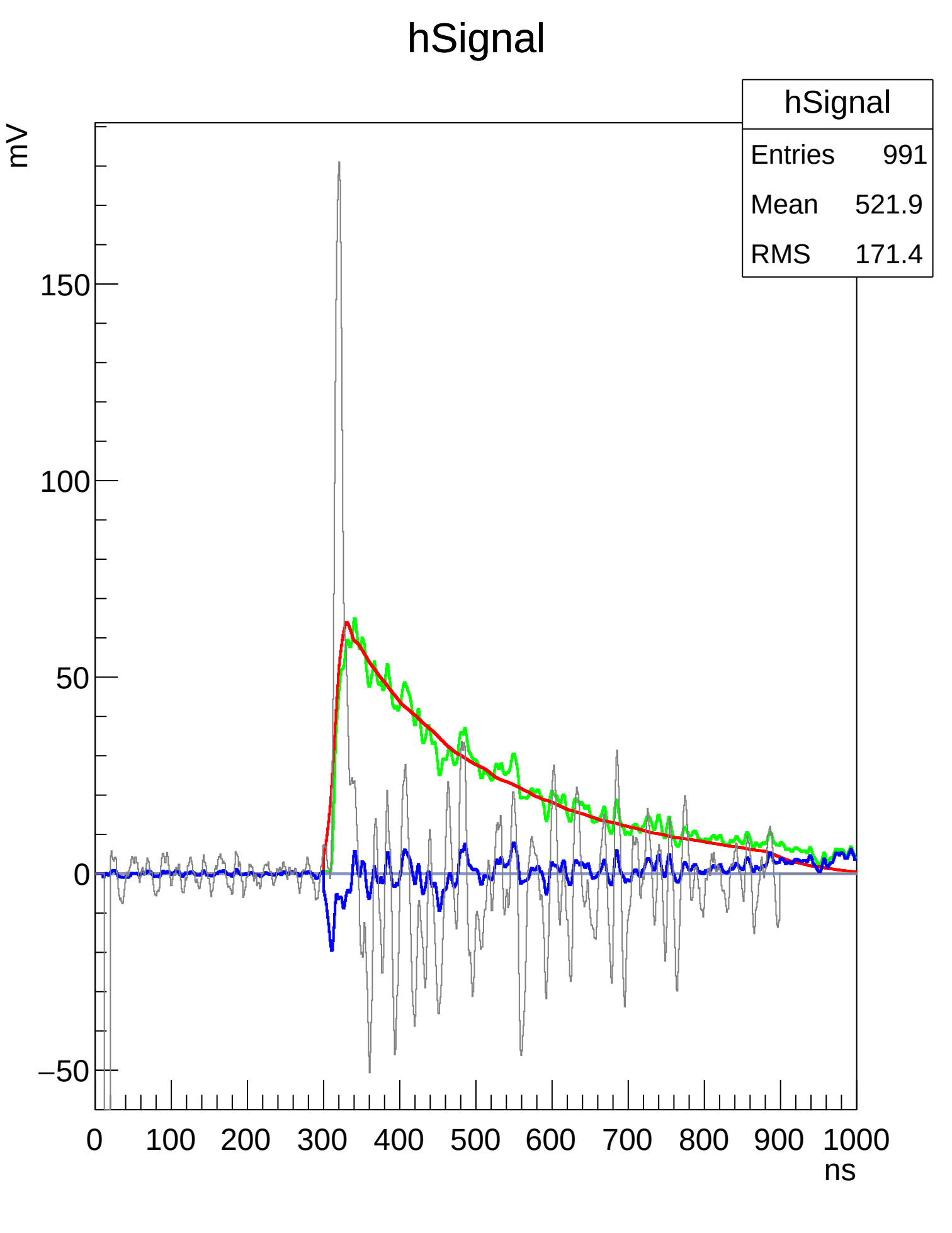

hSignal
hSignal
Entries 991
Mean 550.9
RMS 162.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

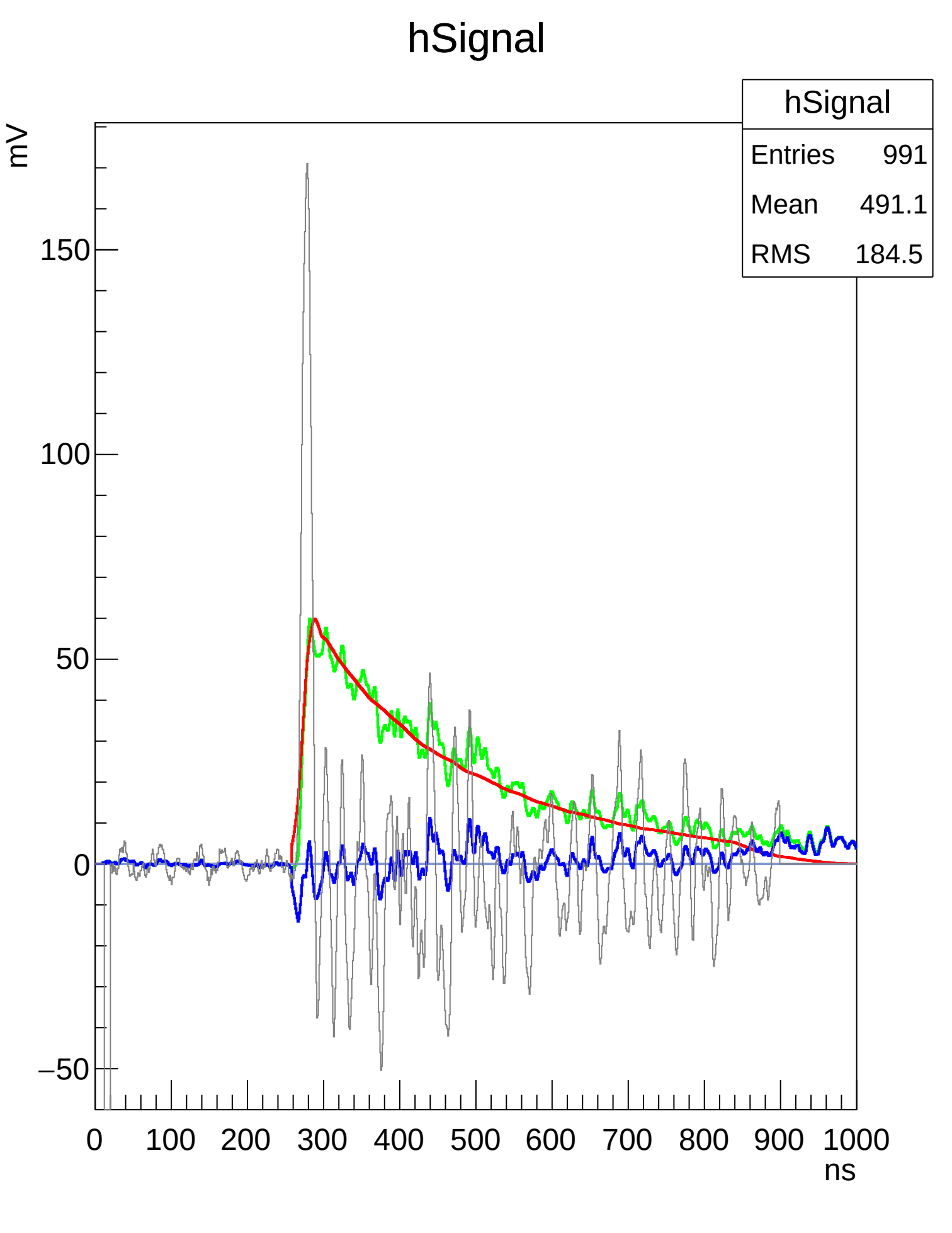

hSignal
hSignal
Entries 991
Mean 525
RMS 165.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

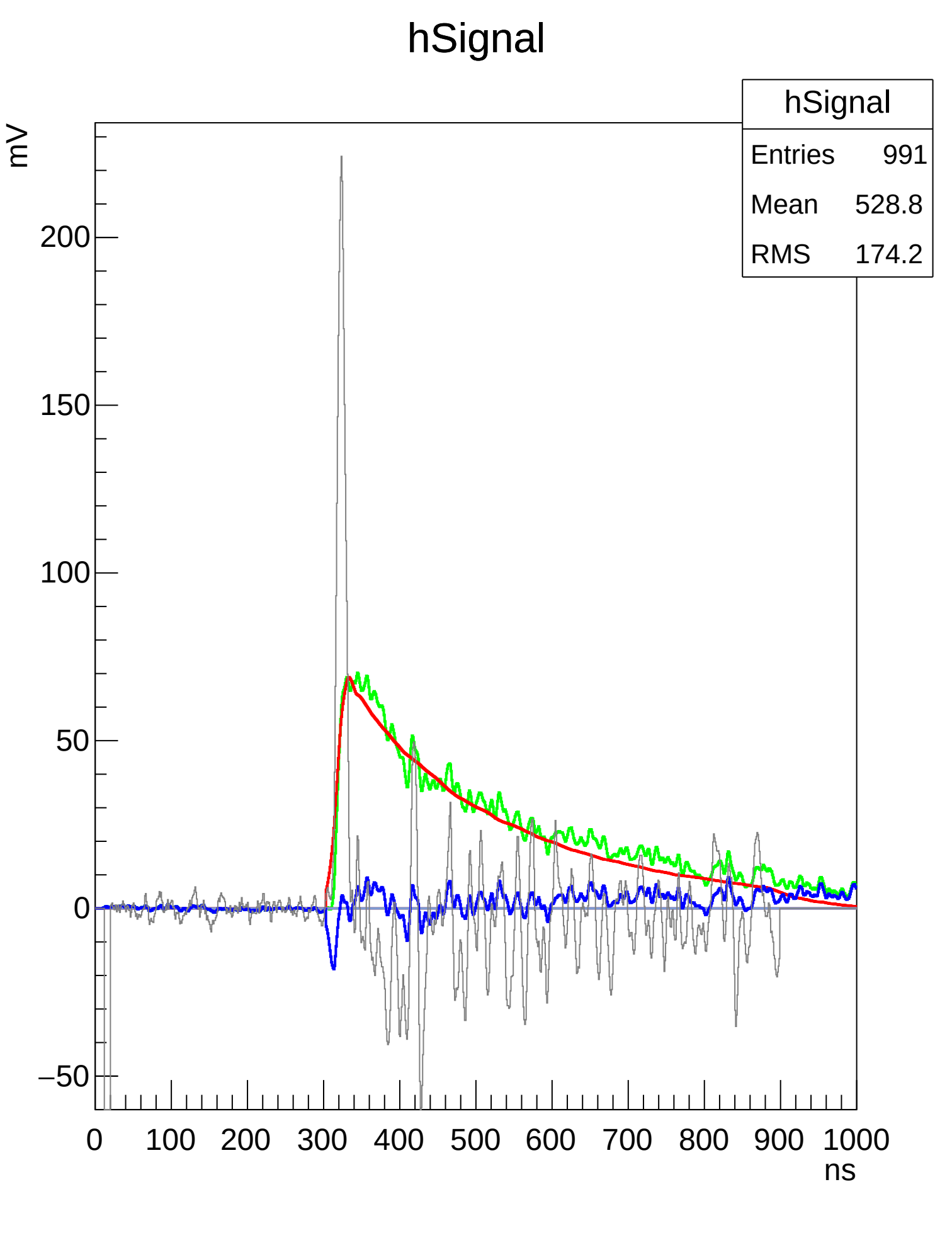

hSignal
hSignal
Entries 991
Mean 542.6
RMS 150.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

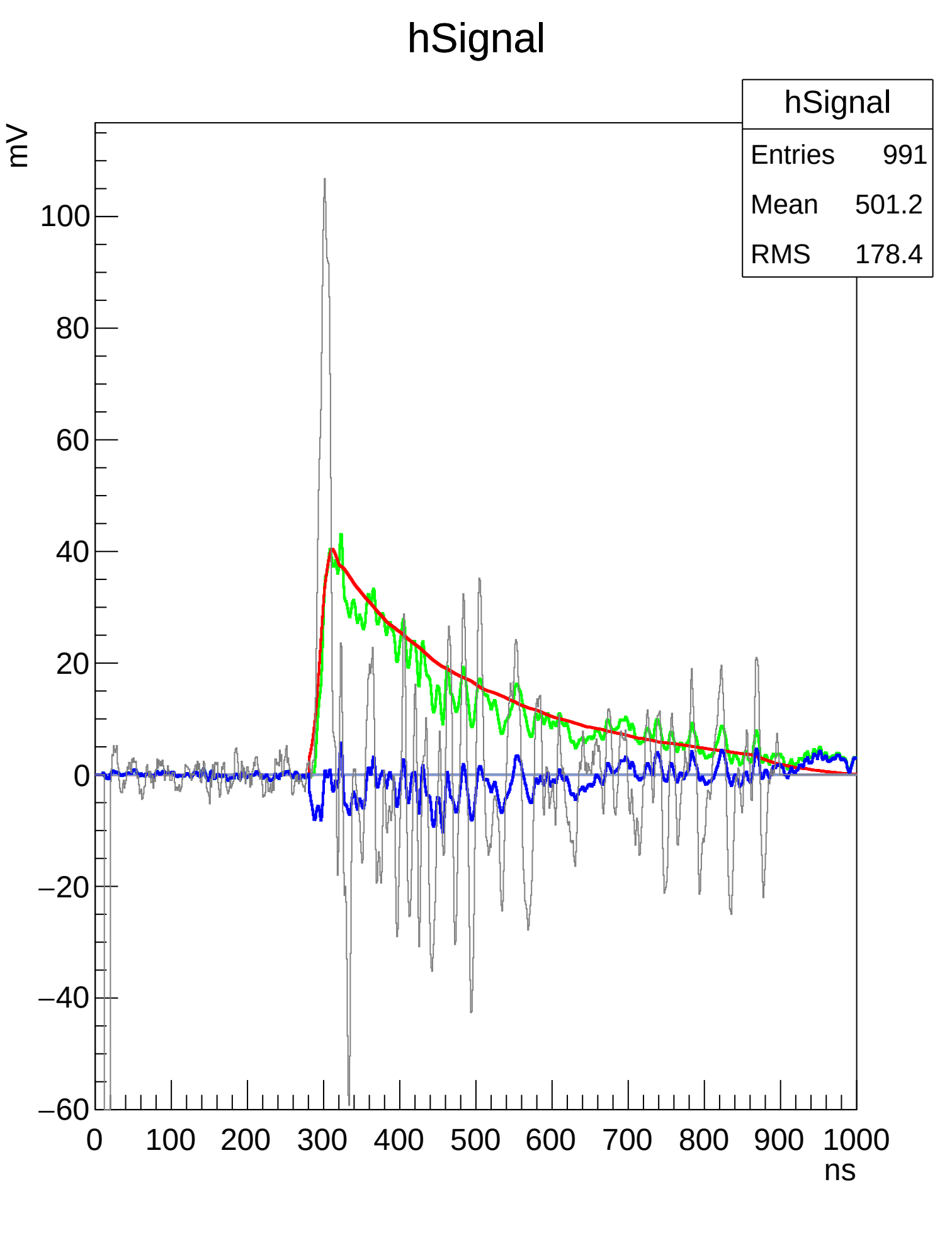

hSignal
hSignal
Entries 991
Mean 516.8
RMS 172.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

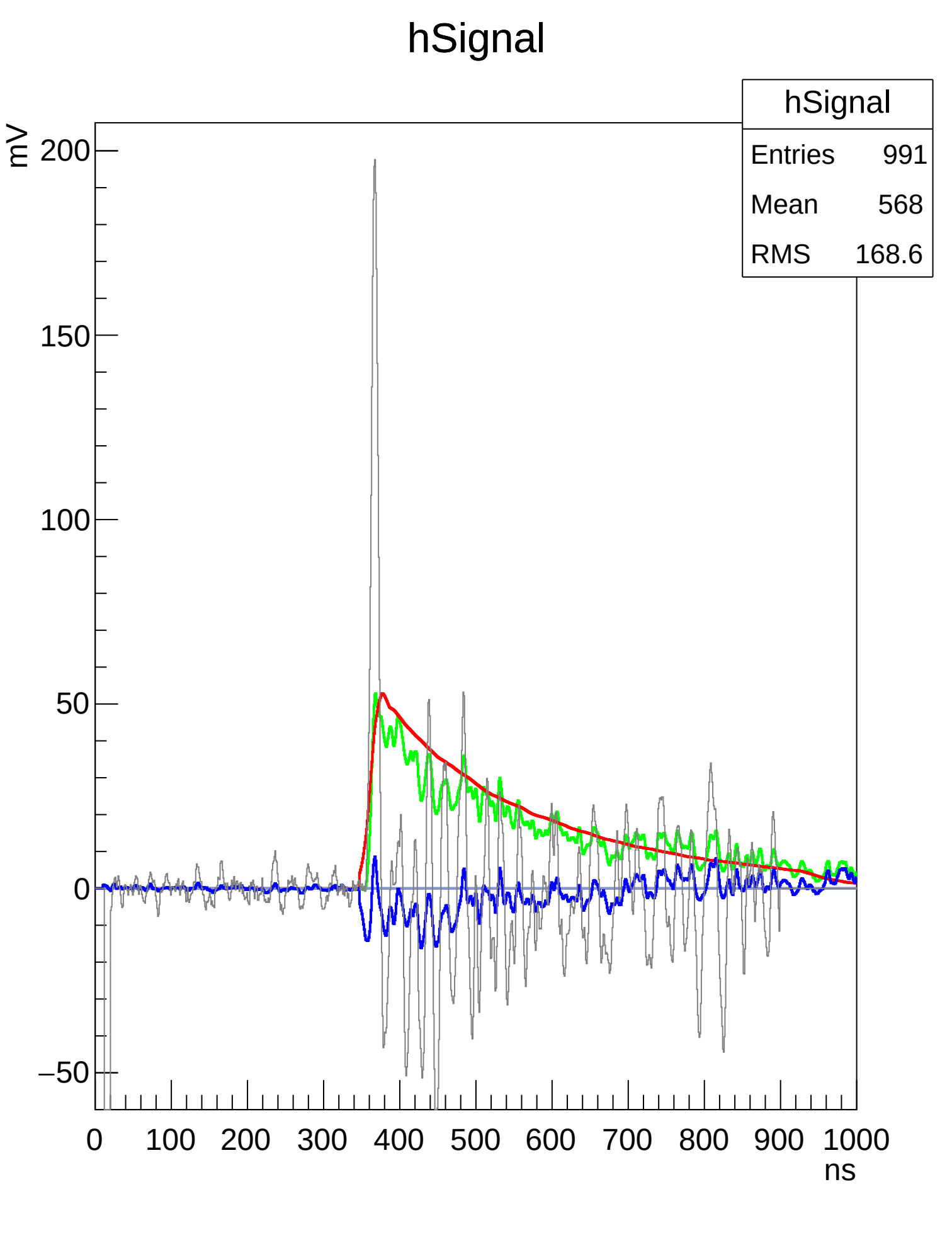

hSignal
hSignal
Entries 991
Mean 520.3
RMS 169.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

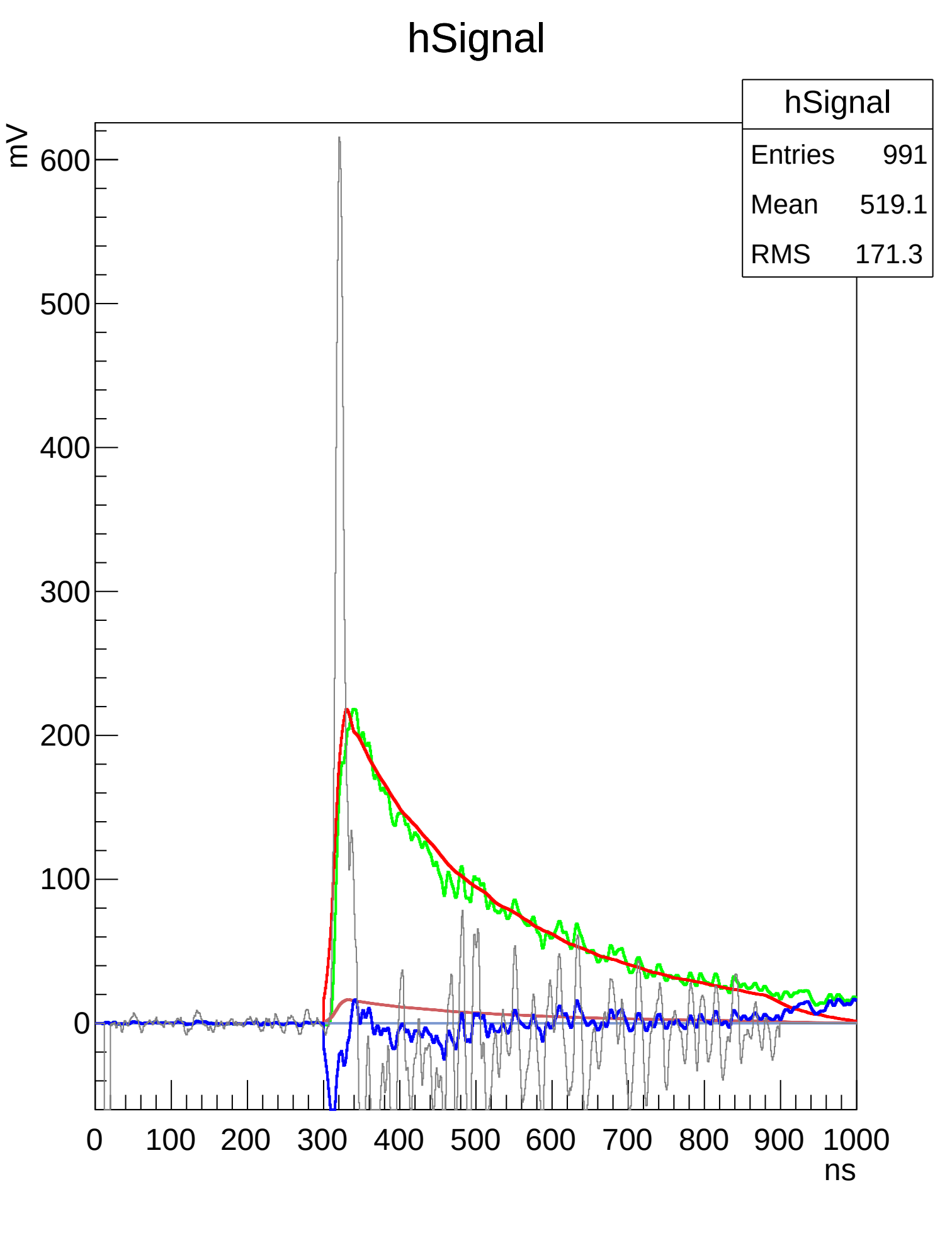

hSignal
hSignal
Entries 991
Mean 521.9
RMS 171.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

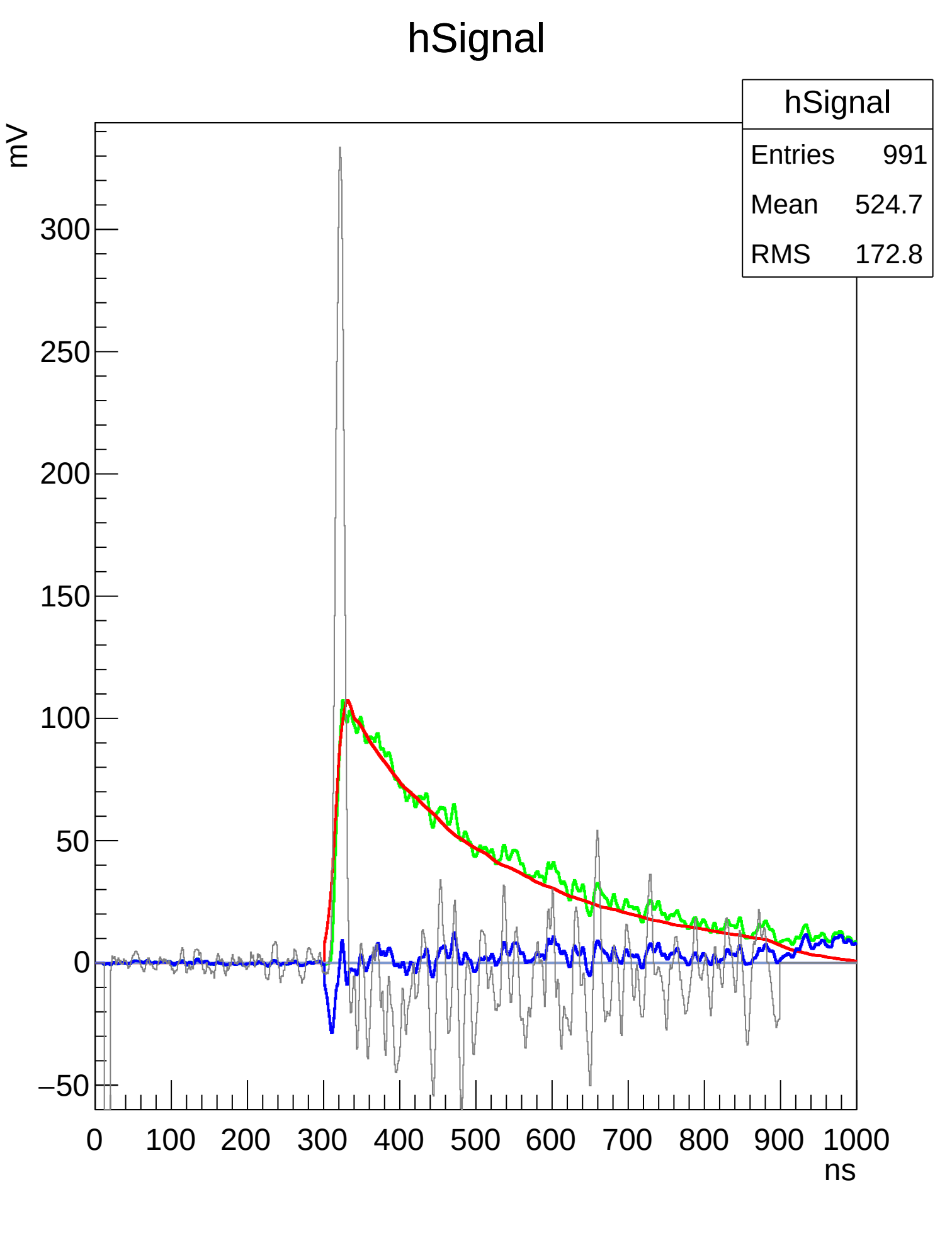

hSignal
hSignal
Entries 991
Mean 491.1
RMS 184.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

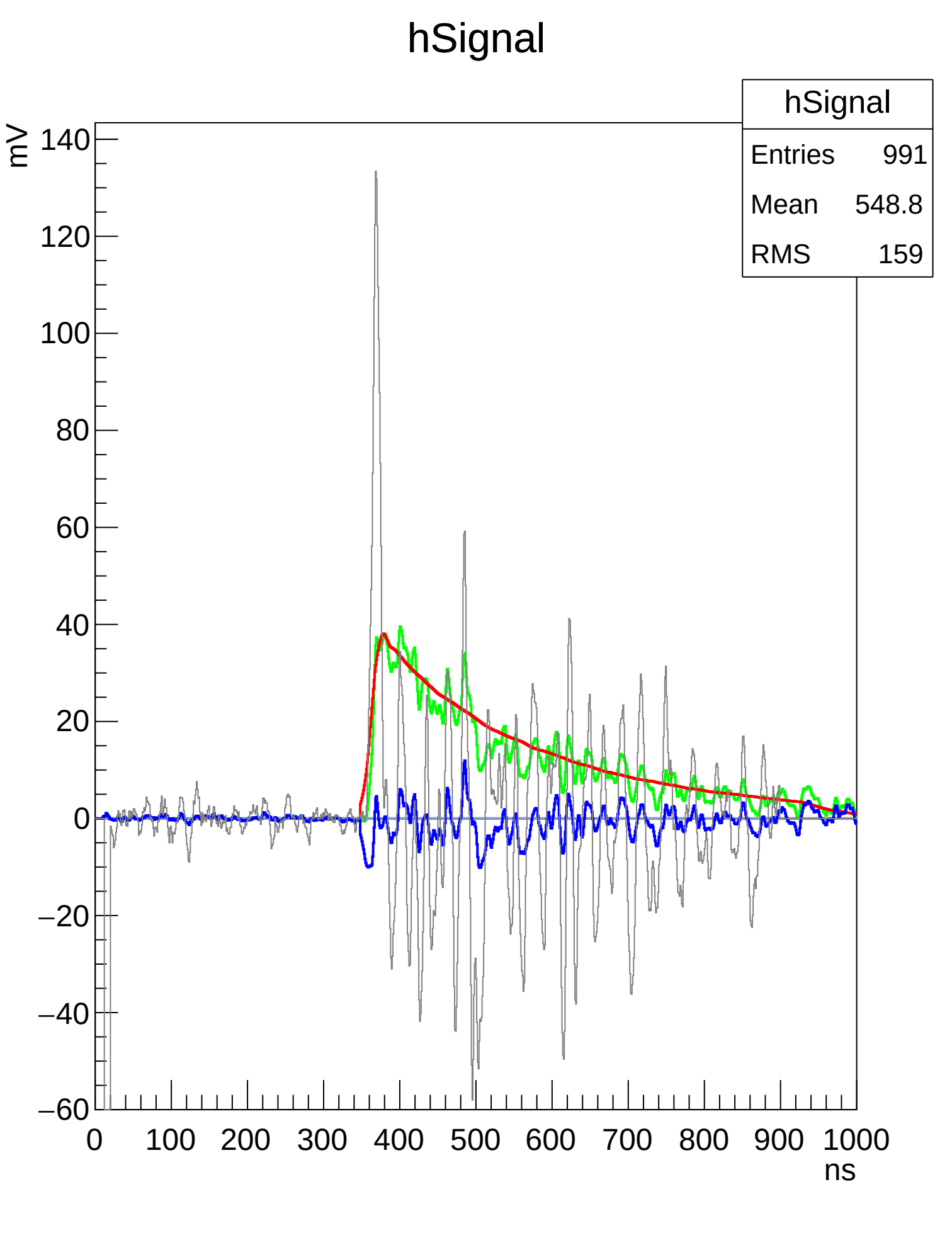

hSignal
hSignal
Entries 991
Mean 528.8
RMS 174.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

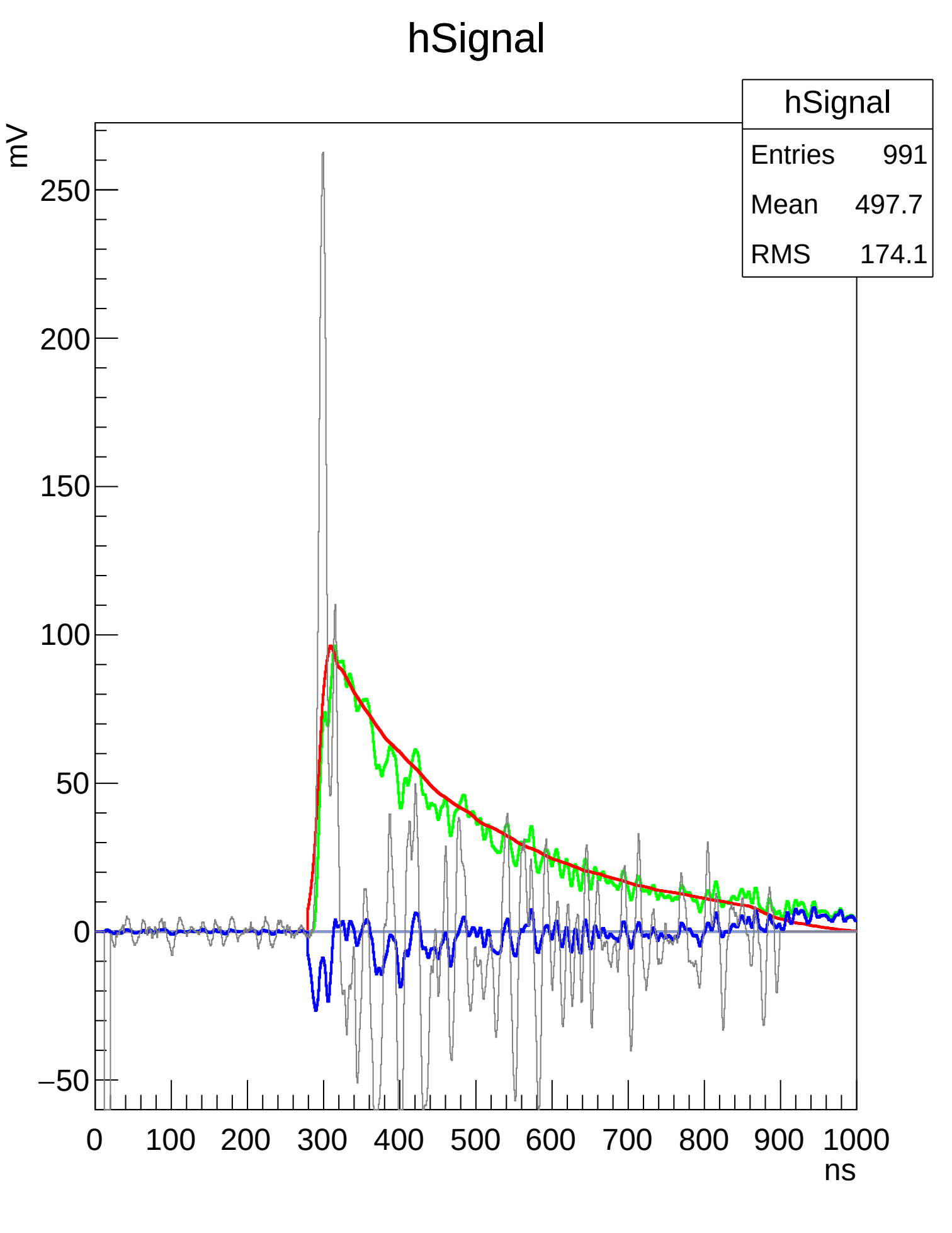

hSignal
hSignal
Entries 991
Mean 501.2
RMS 178.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

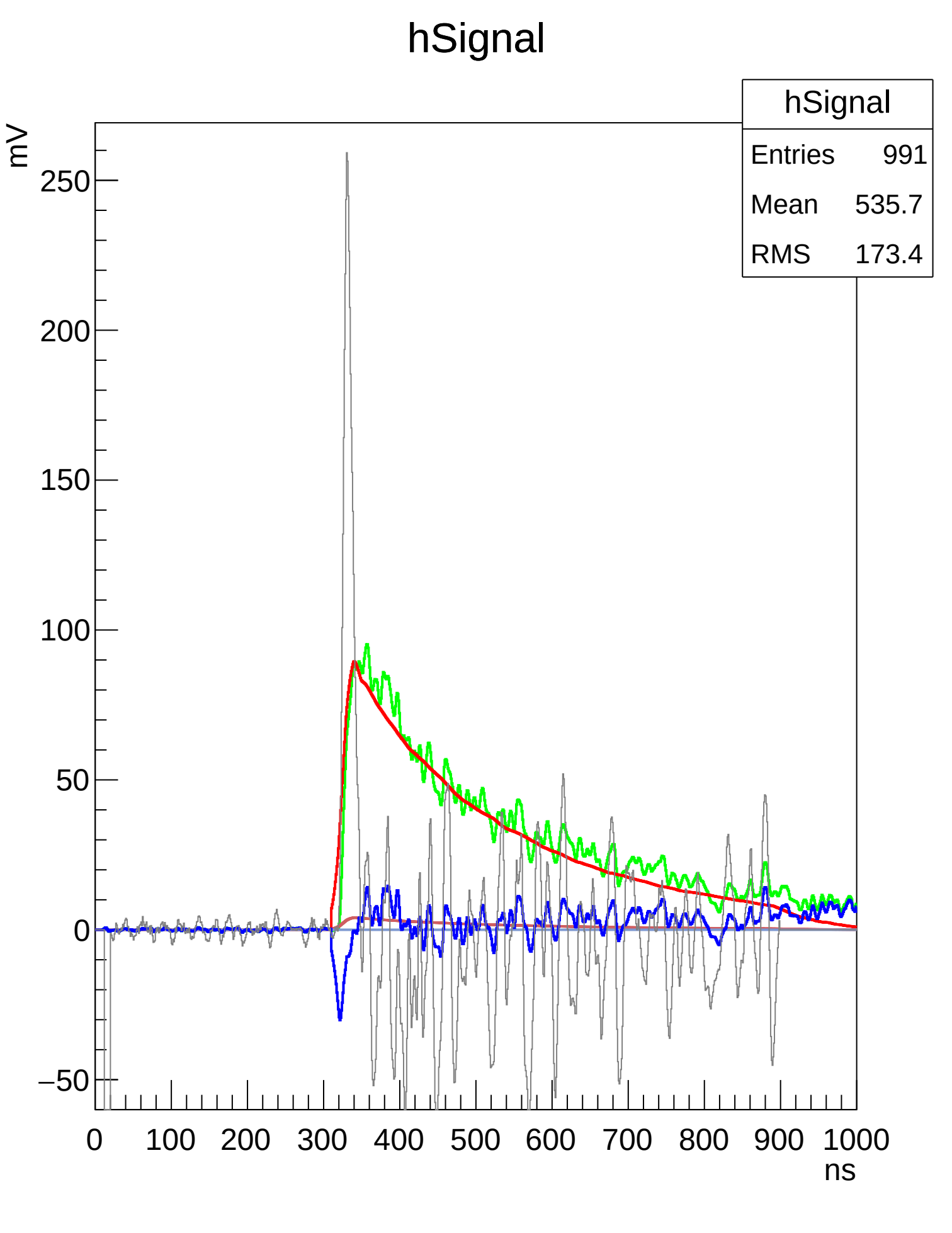

hSignal
hSignal
Entries 991
Mean 568
RMS 168.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

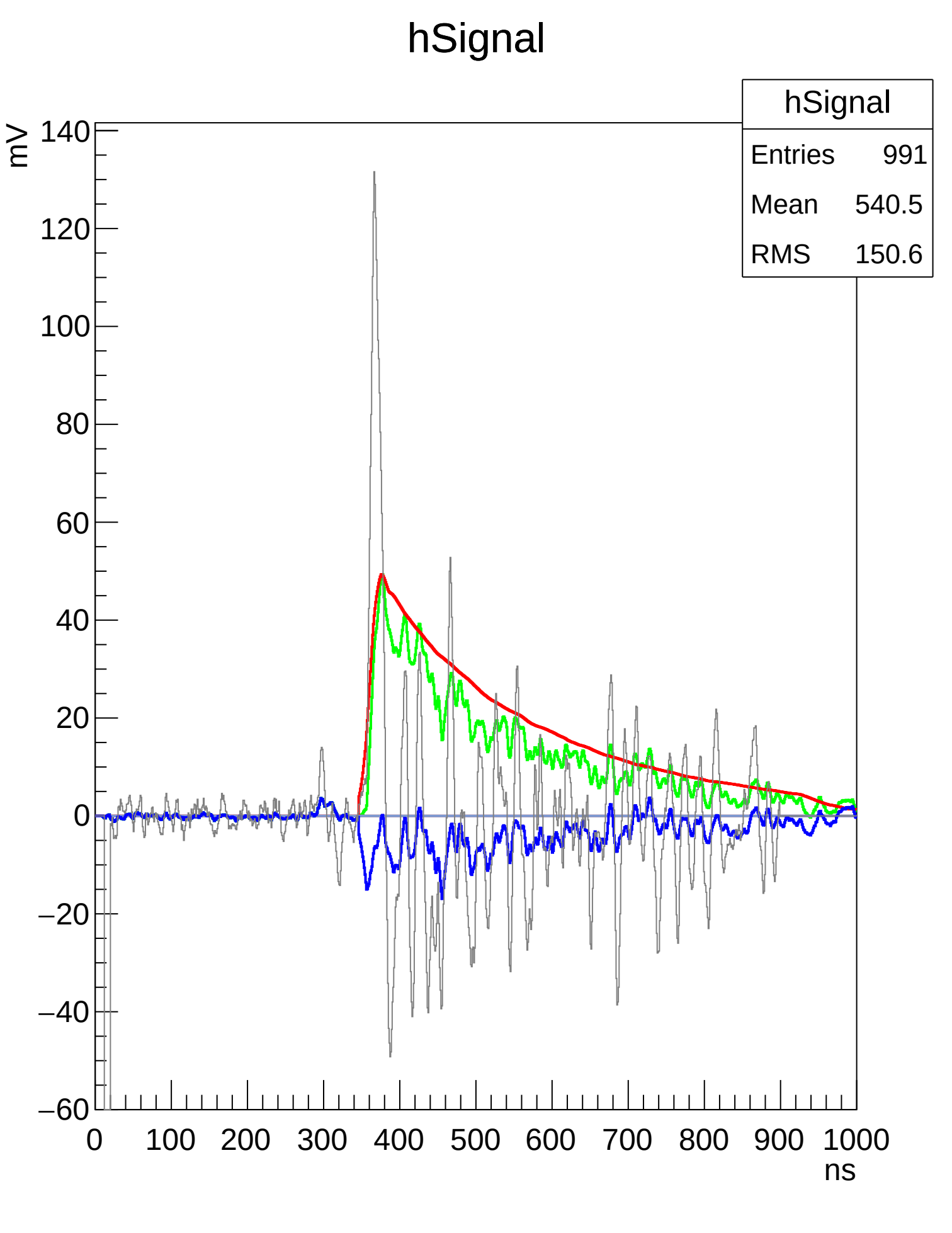

hSignal
hSignal
Entries 991
Mean 519.1
RMS 171.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

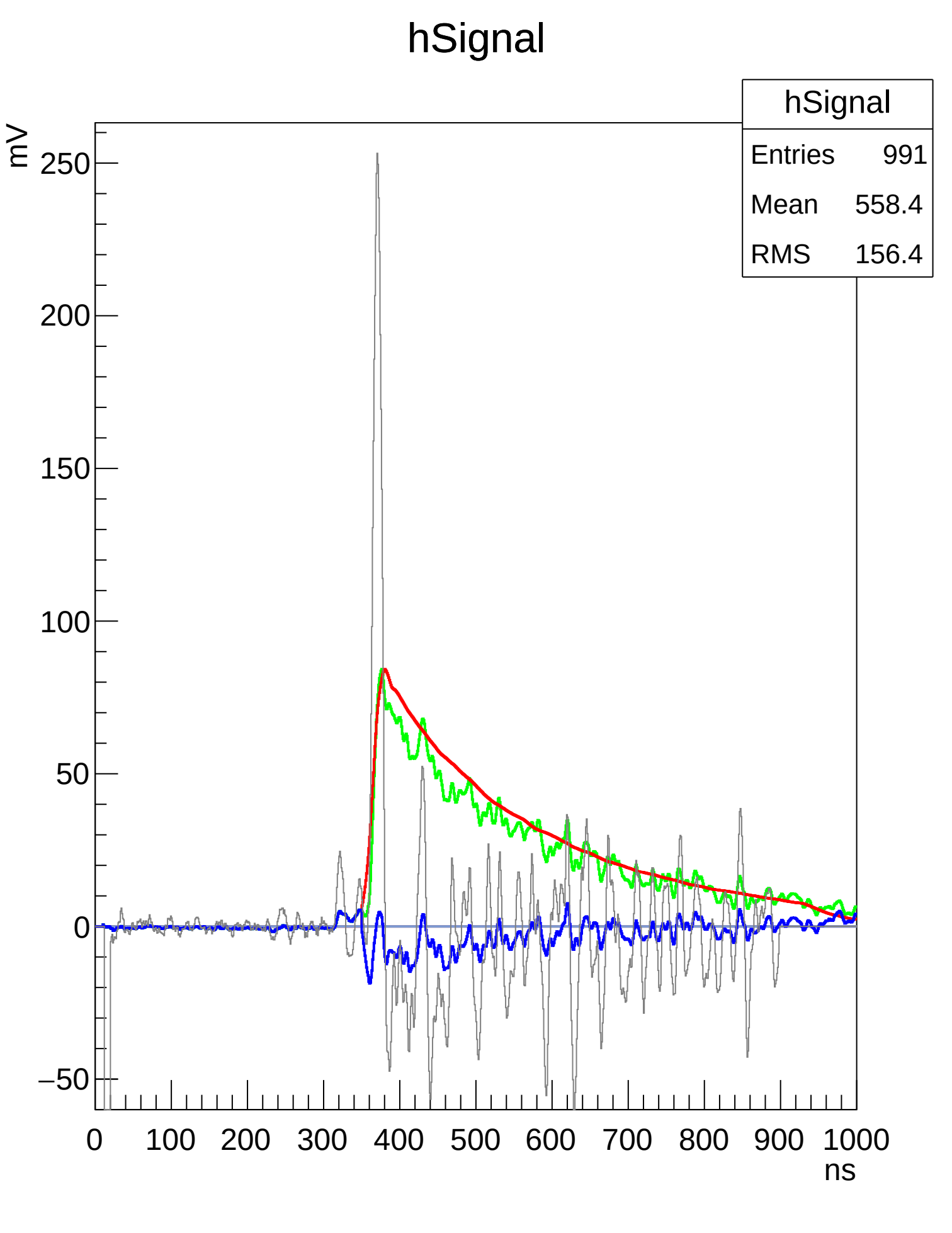

hSignal
hSignal
Entries 991
Mean 524.7
RMS 172.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

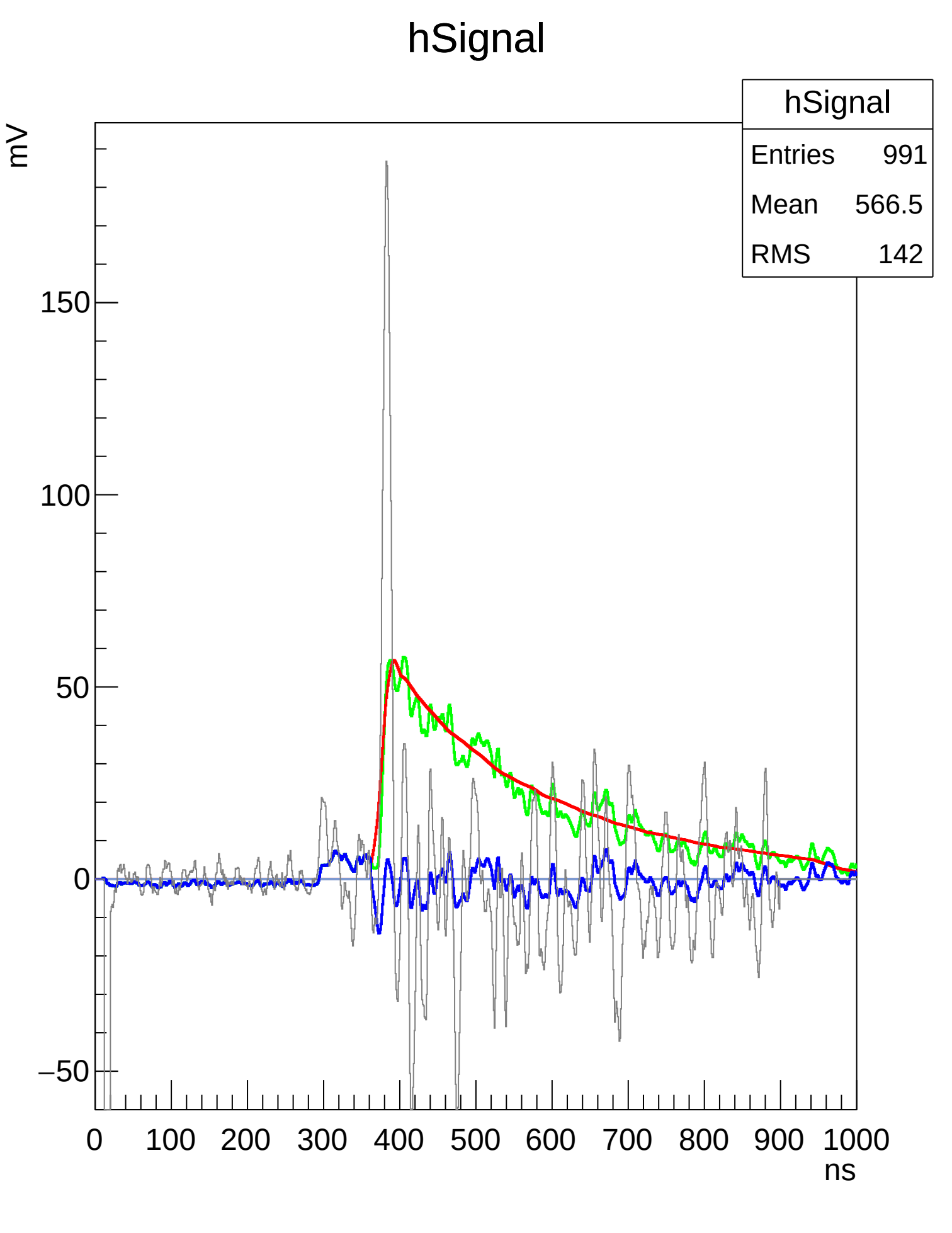

hSignal
hSignal
Entries 991
Mean 548.8
RMS 159
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

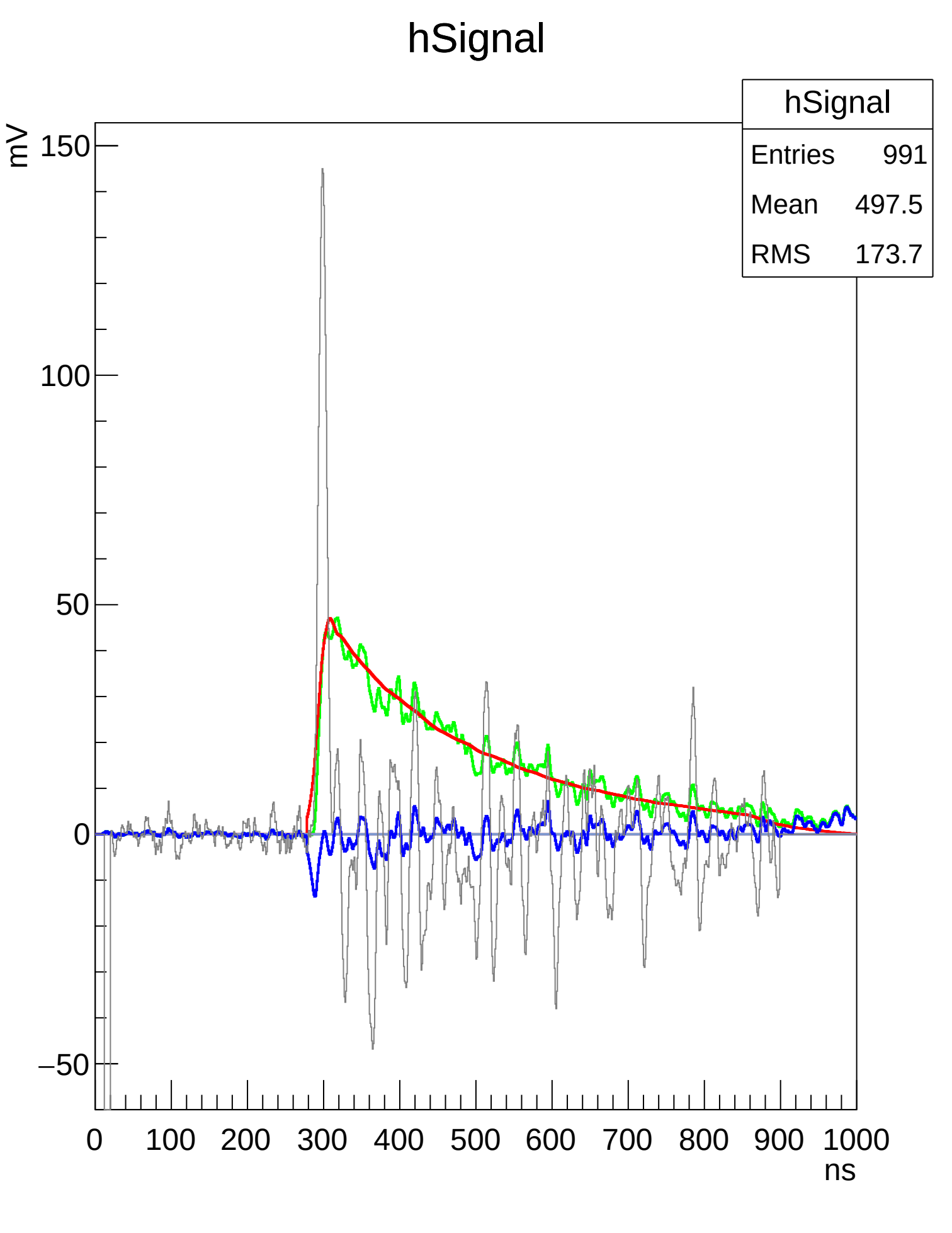

hSignal
hSignal
Entries 991
Mean 497.7
RMS 174.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

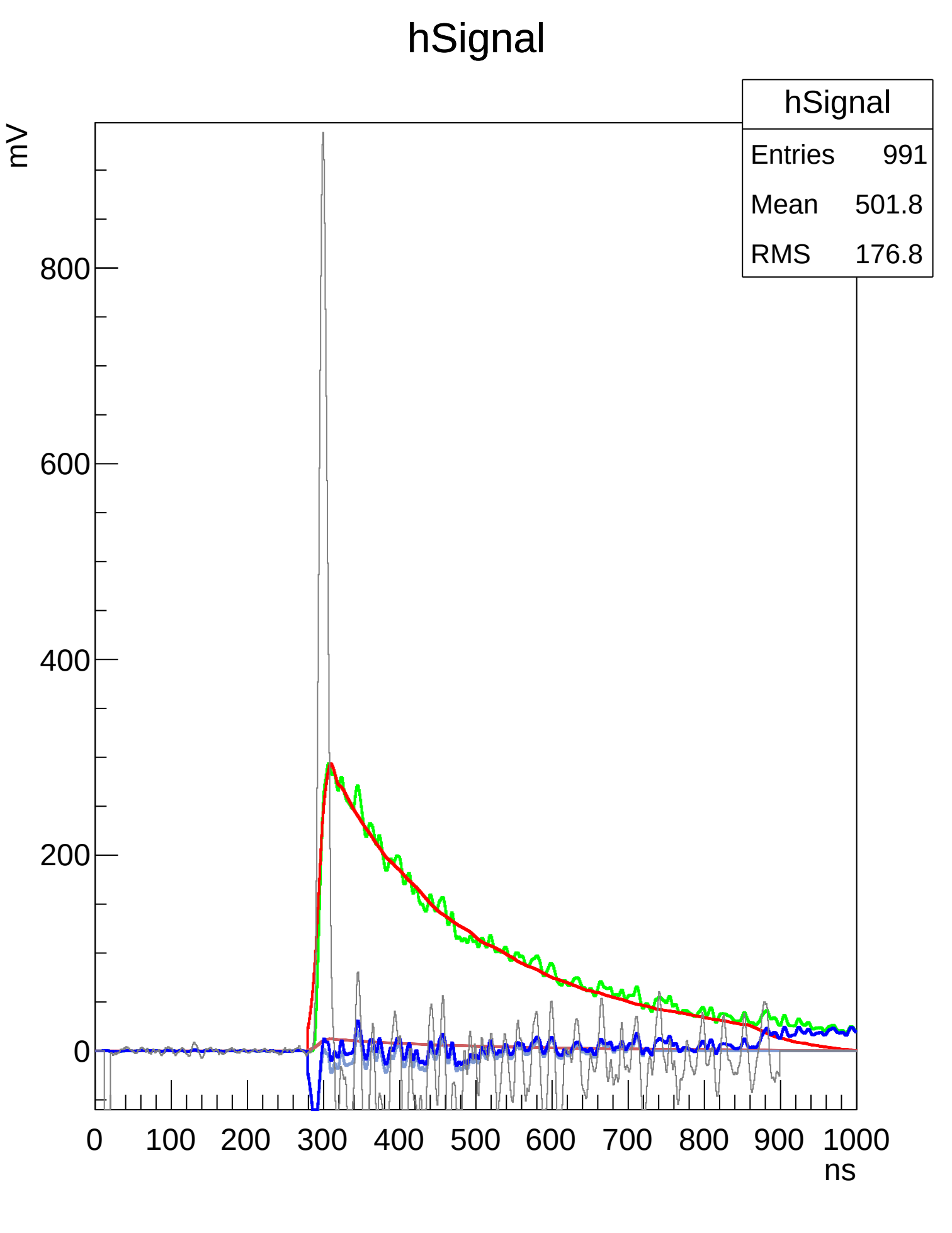

hSignal
hSignal
Entries 991
Mean 535.7
RMS 173.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

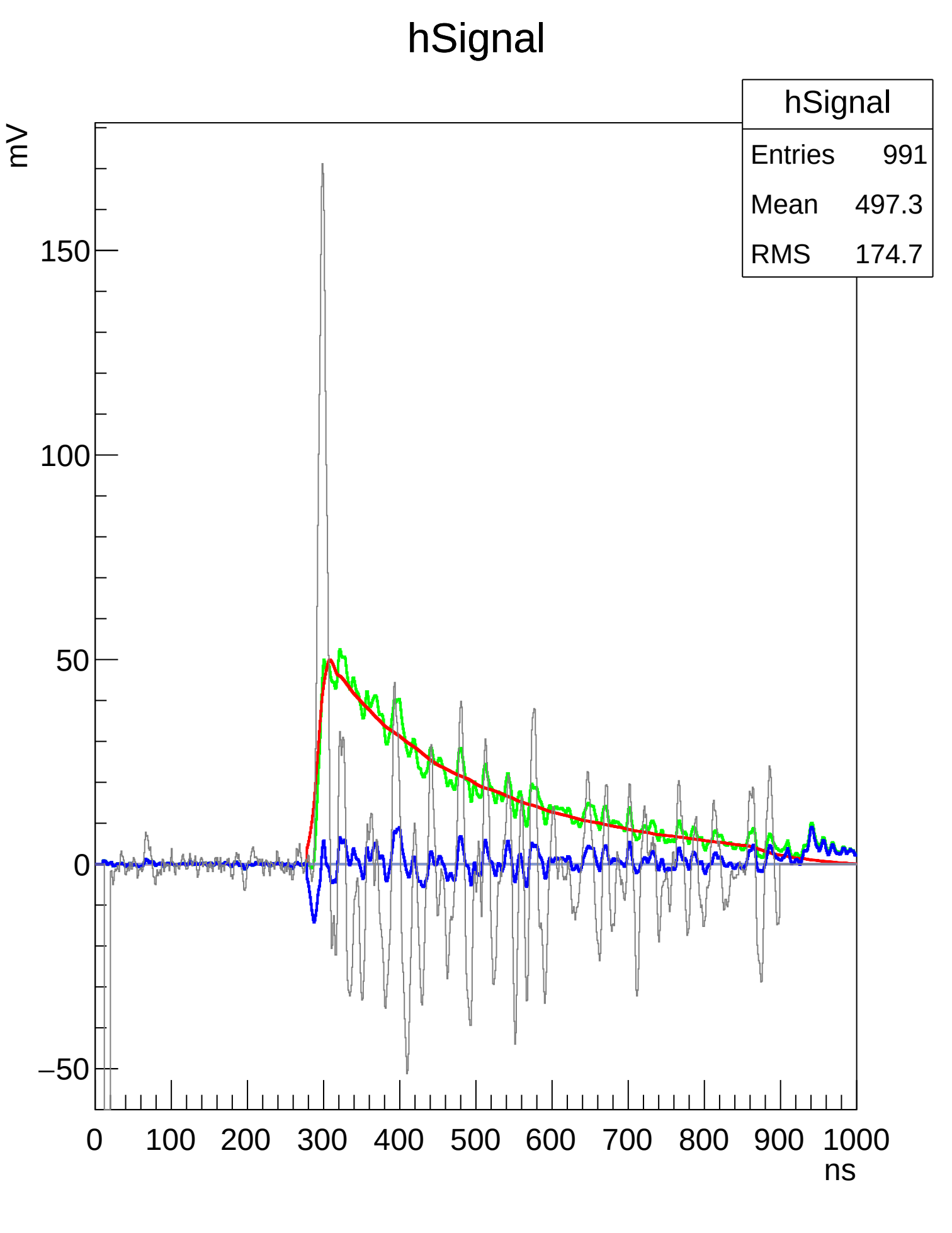

hSignal
hSignal
Entries 991
Mean 540.5
RMS 150.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

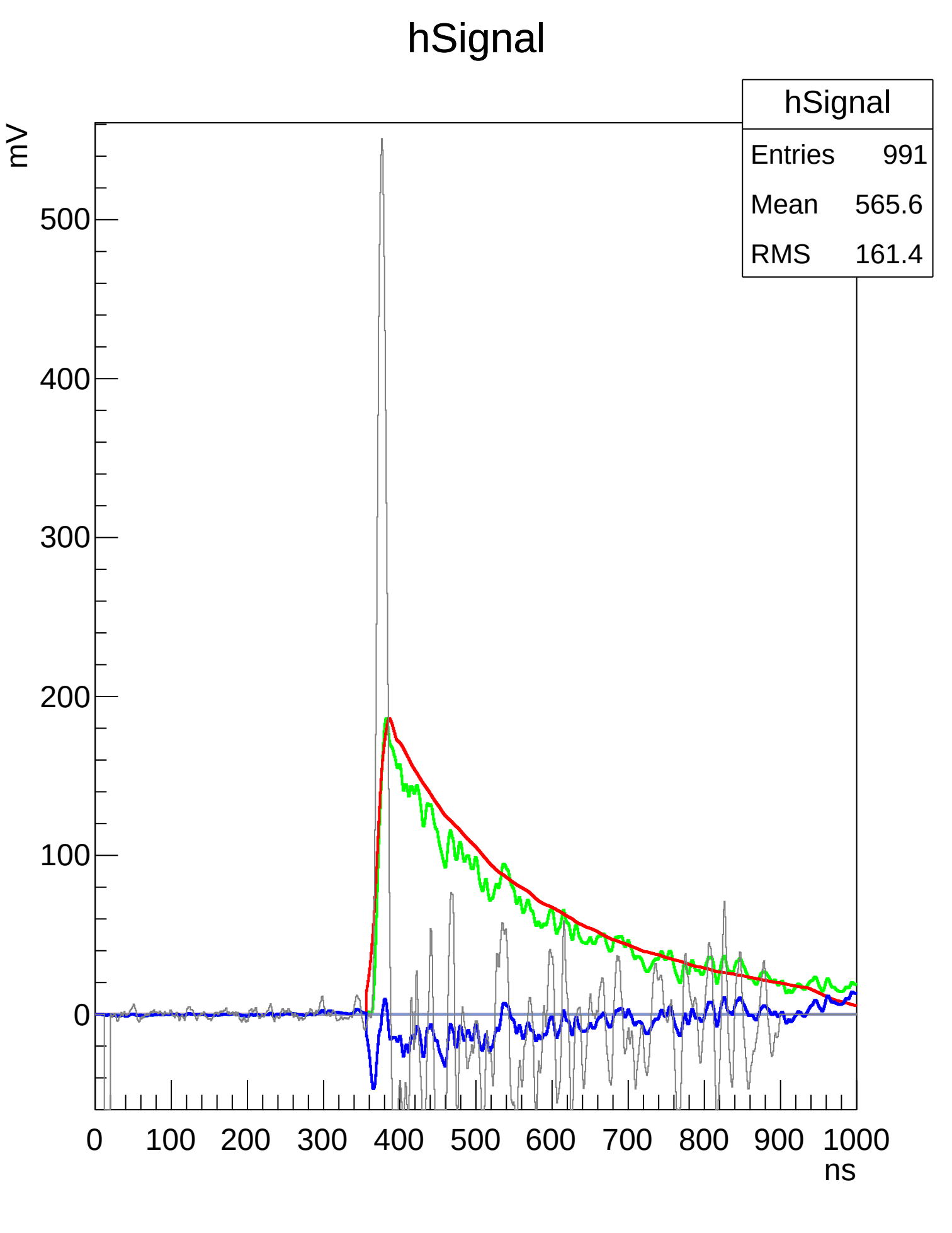

hSignal
hSignal
Entries 991
Mean 558.4
RMS 156.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

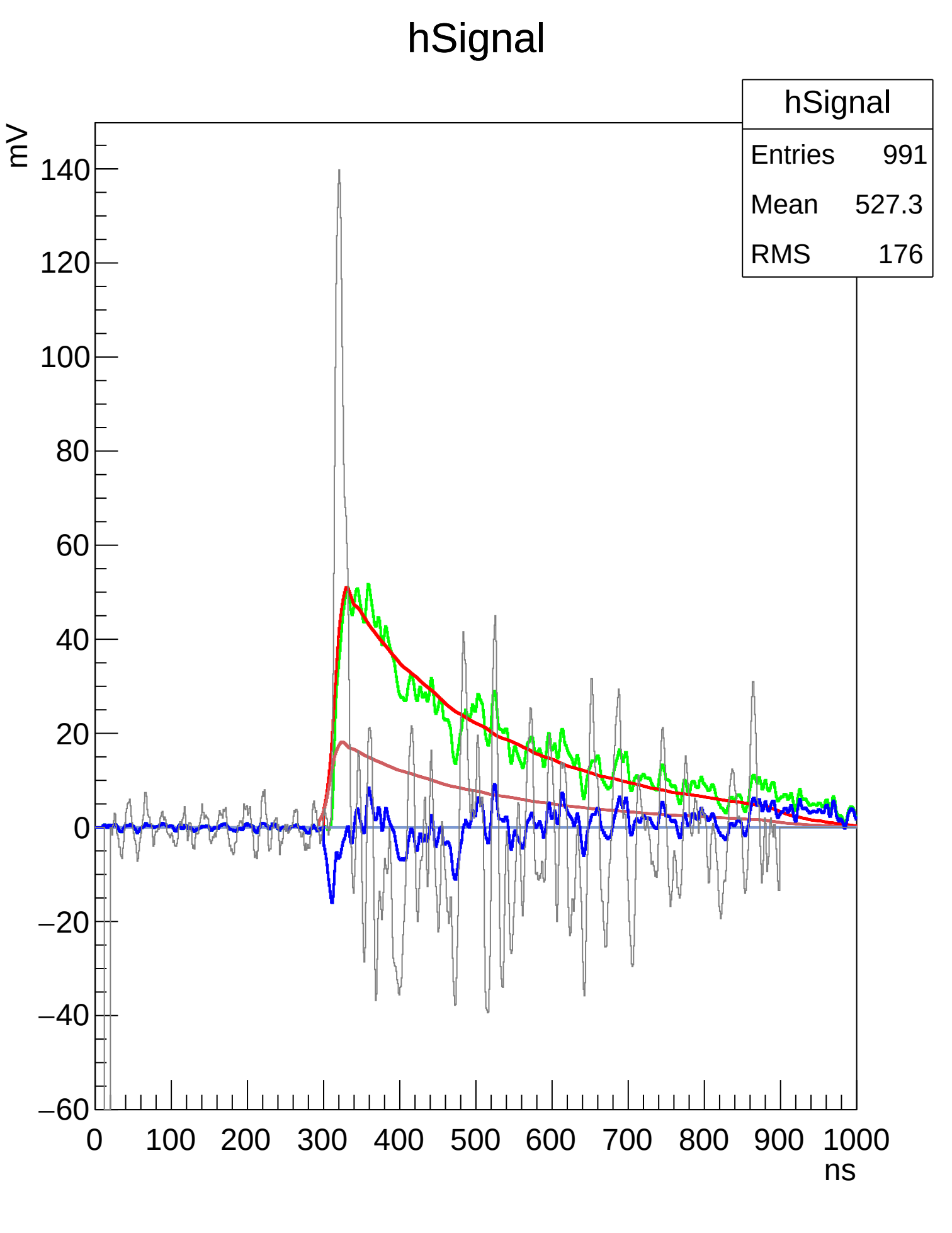

hSignal
hSignal
Entries 991
Mean 566.5
RMS 142
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

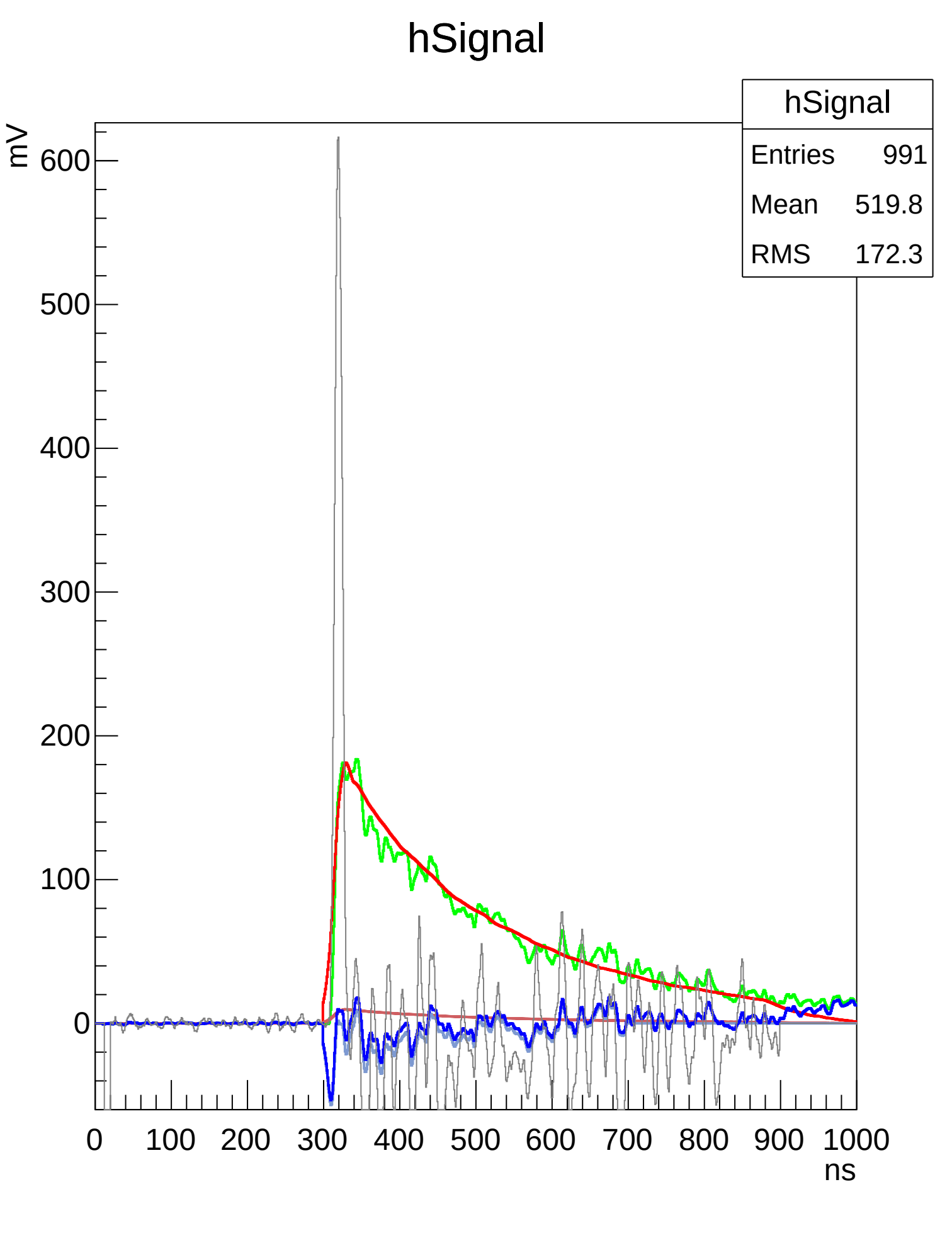

hSignal
hSignal
Entries 991
Mean 497.5
RMS 173.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

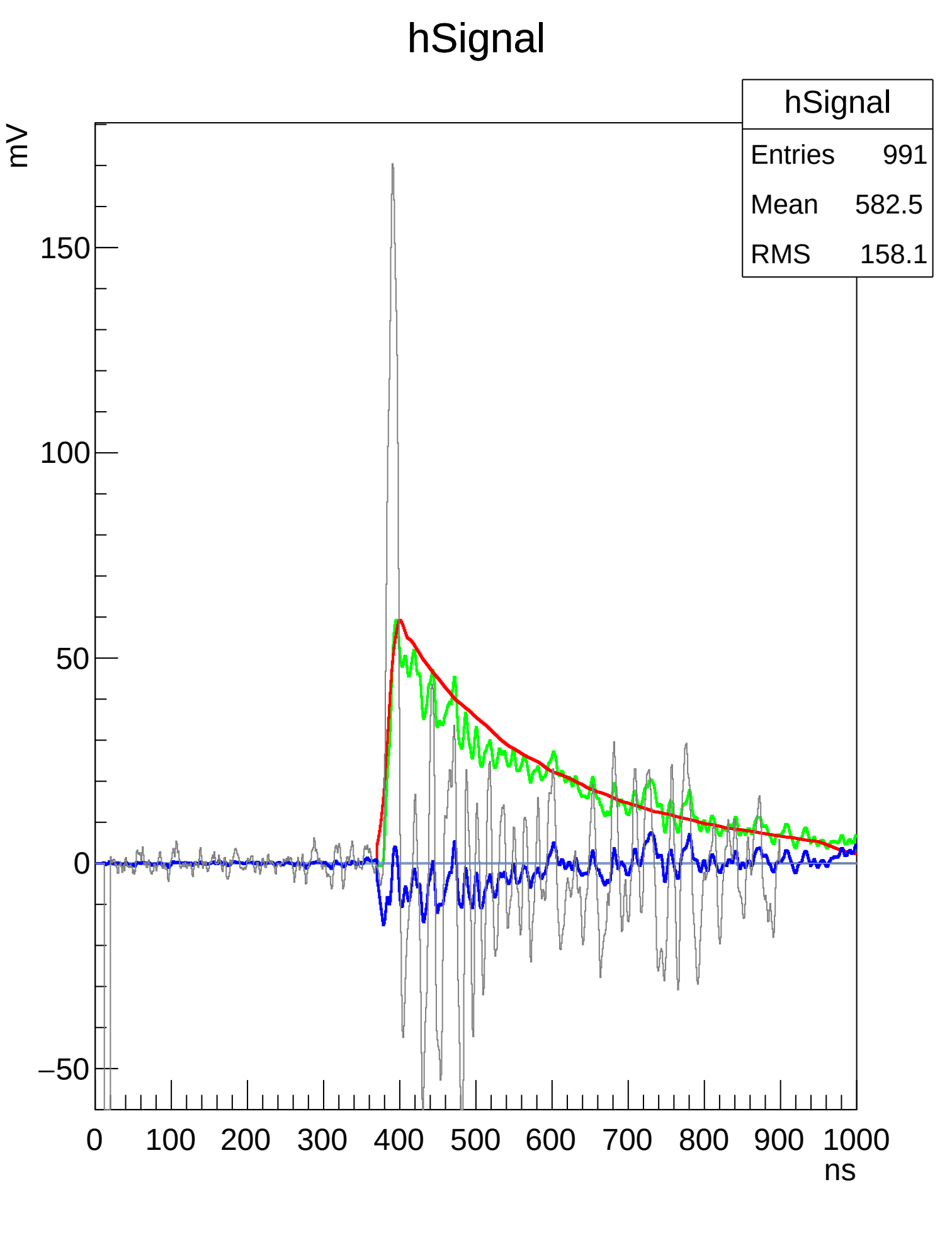

hSignal
hSignal
Entries 991
Mean 501.8
RMS 176.8
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

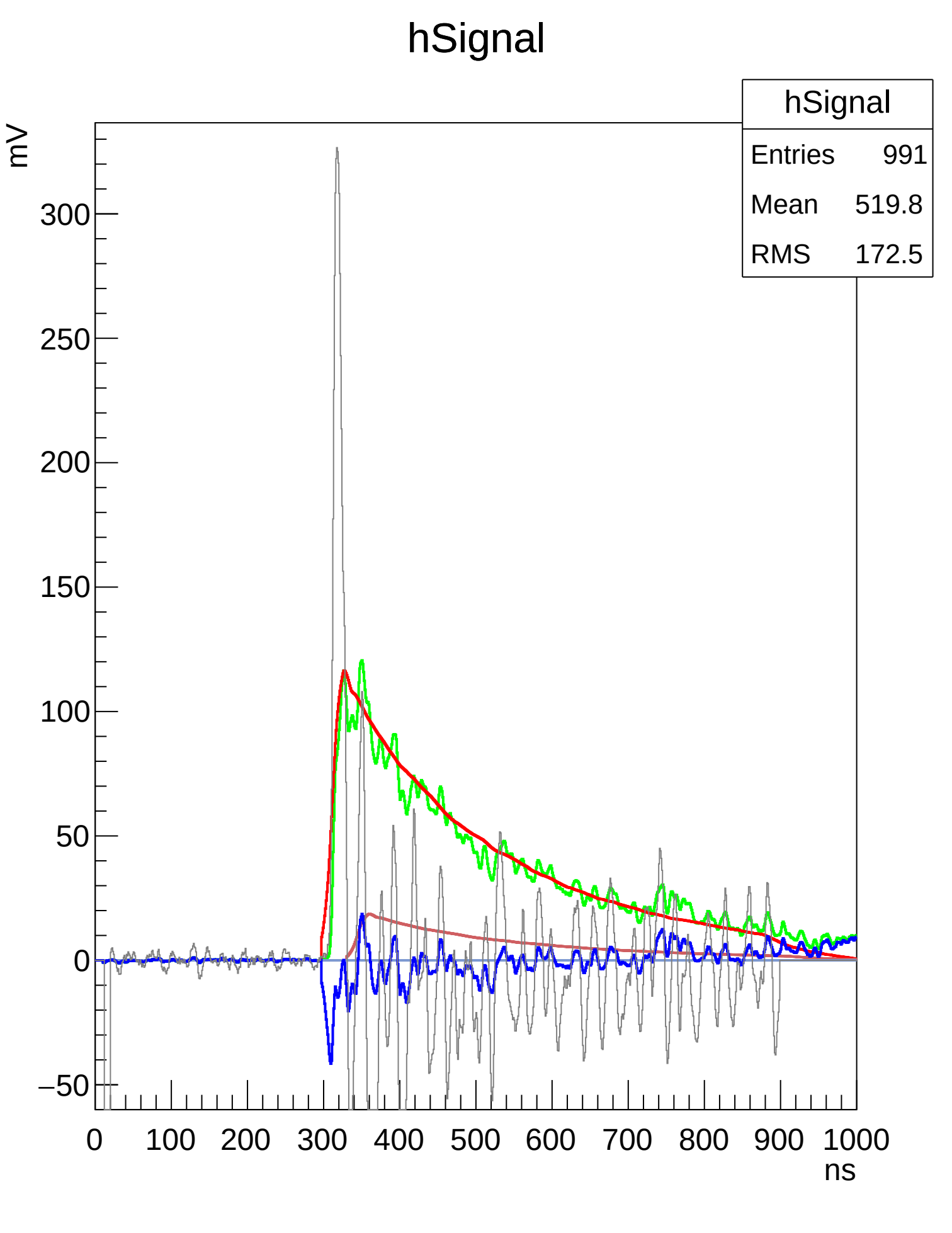

hSignal
hSignal
Entries 991
Mean 497.3
RMS 174.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

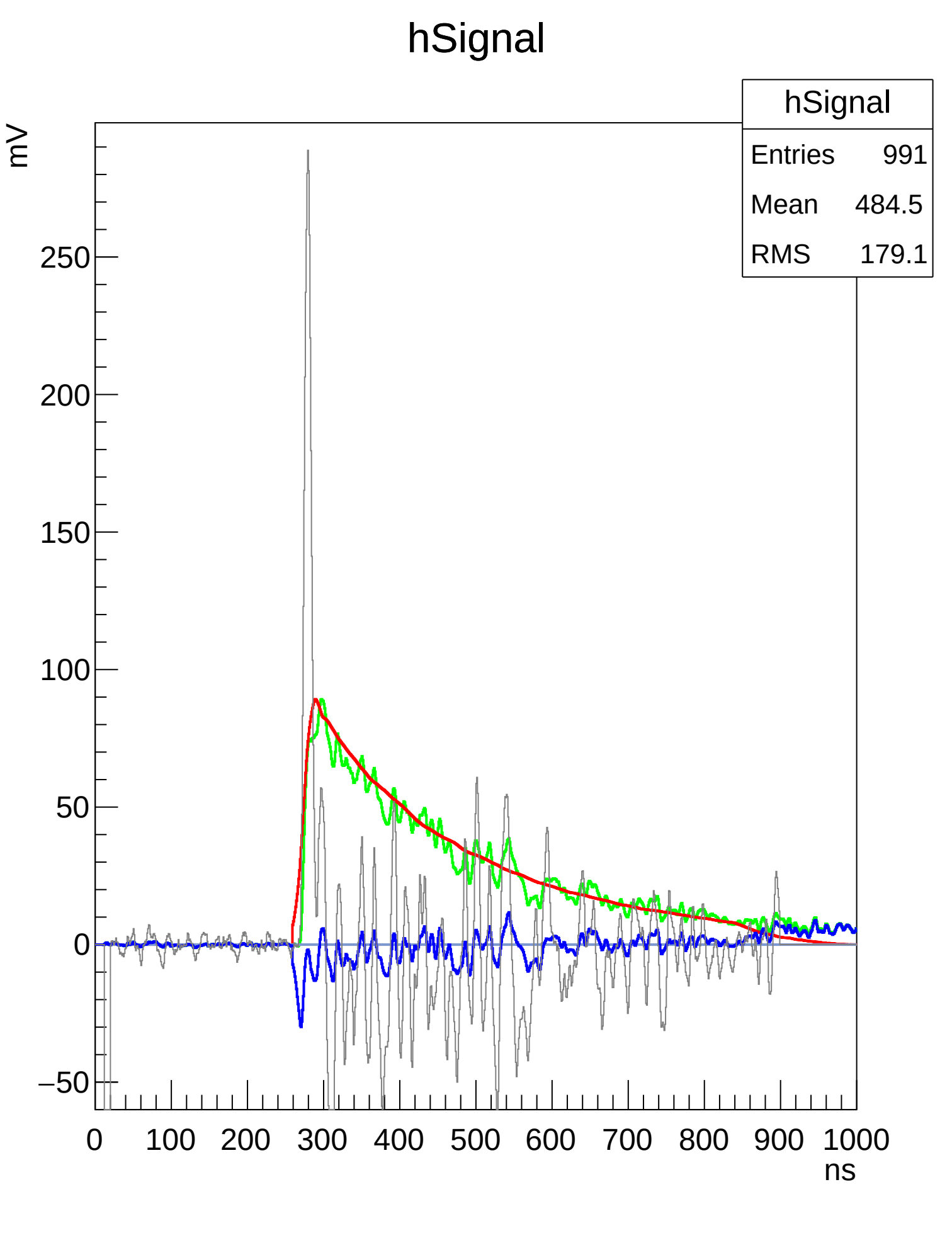

hSignal
hSignal
Entries 991
Mean 565.6
RMS 161.4
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

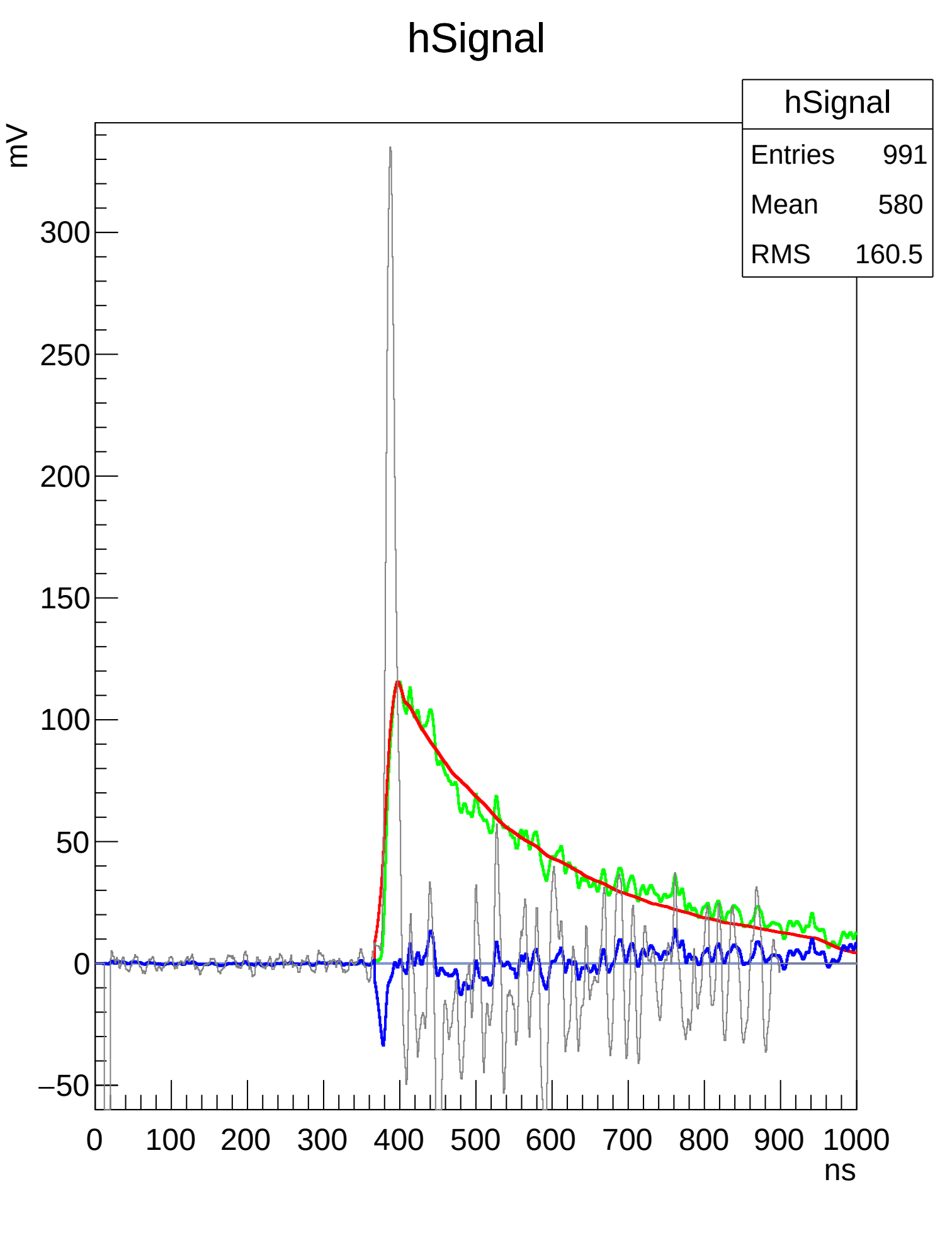

hSignal
hSignal
Entries 991
Mean 527.3
RMS 176
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

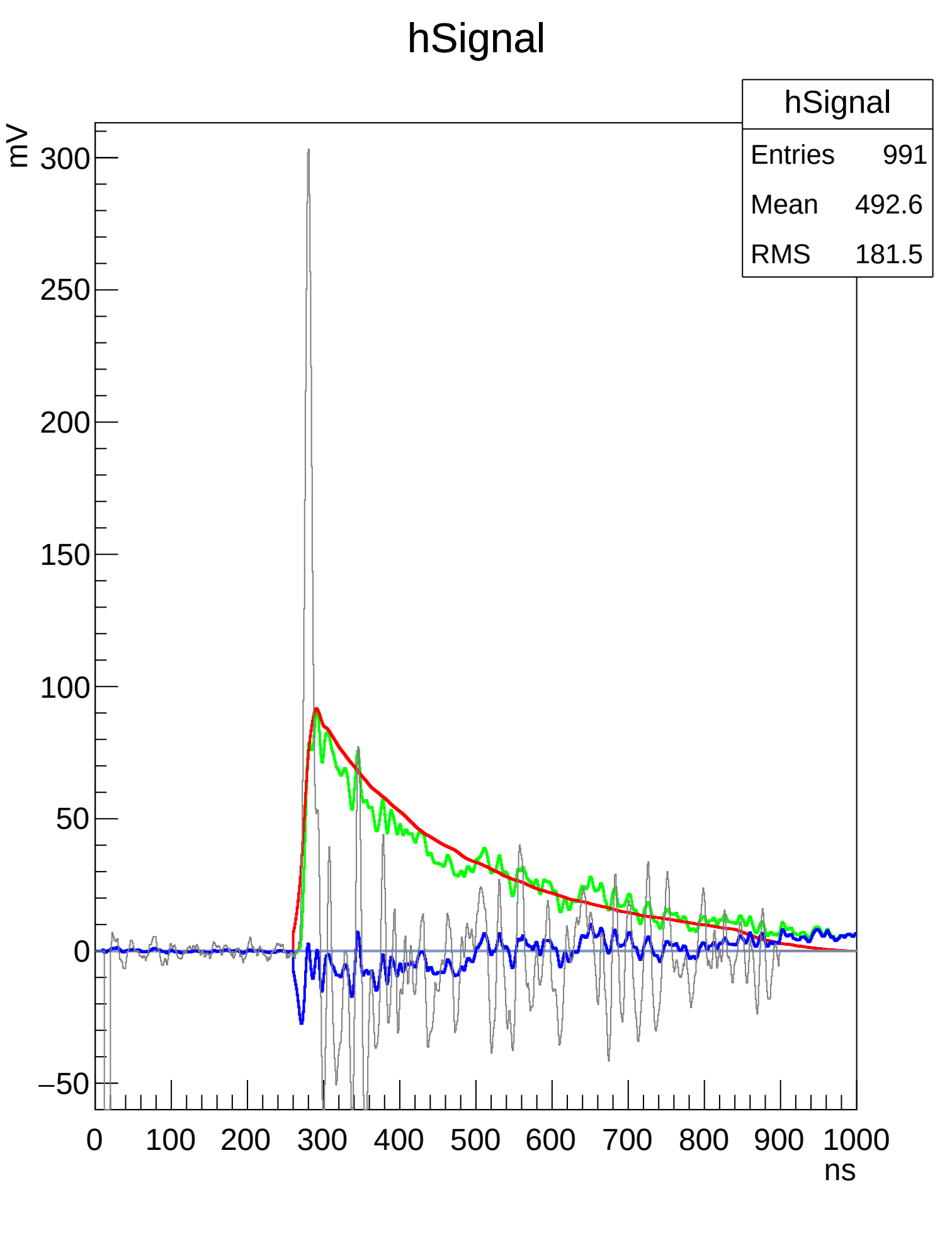

hSignal
hSignal
Entries 991
Mean 519.8
RMS 172.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

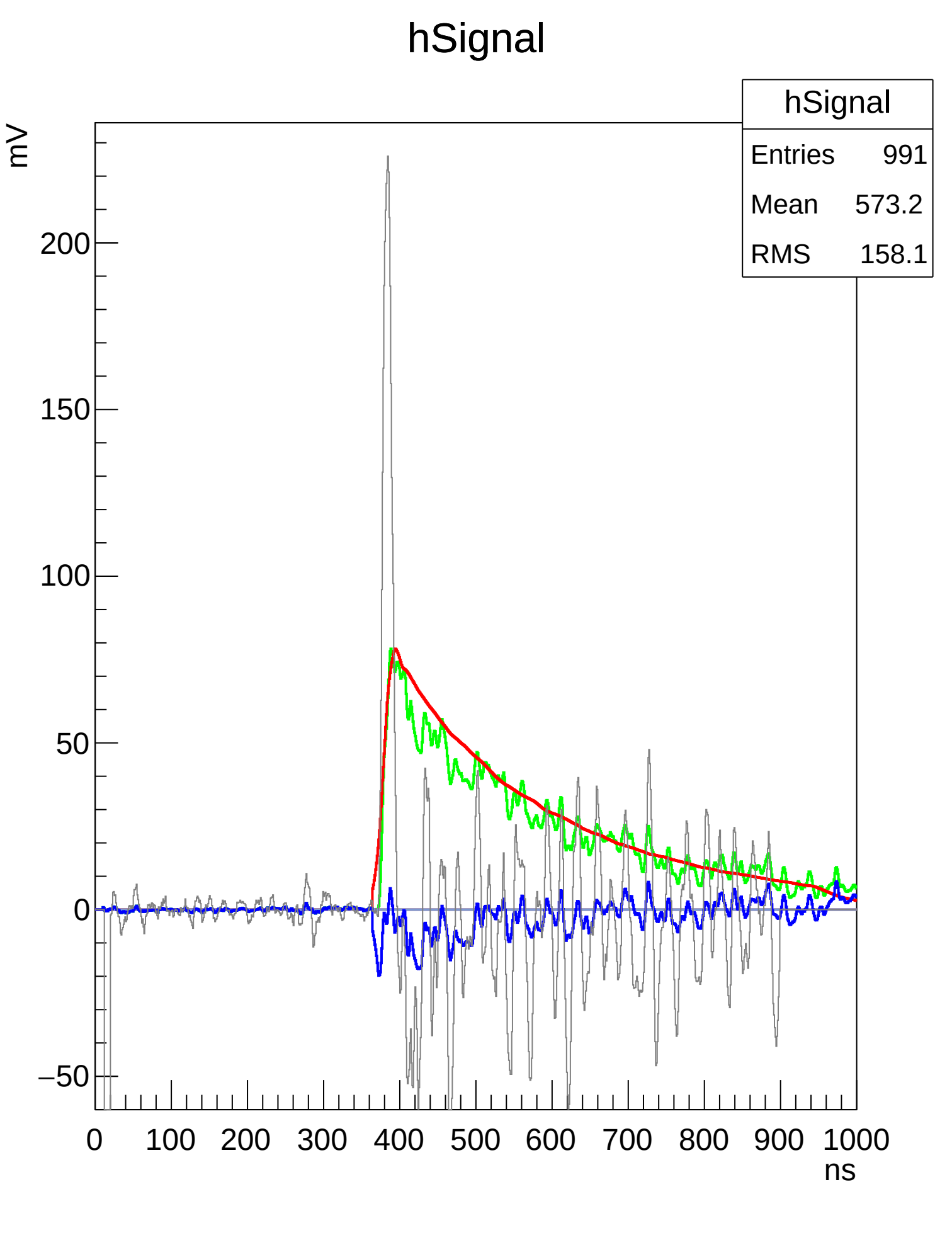

hSignal
hSignal
Entries 991
Mean 582.5
RMS 158.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

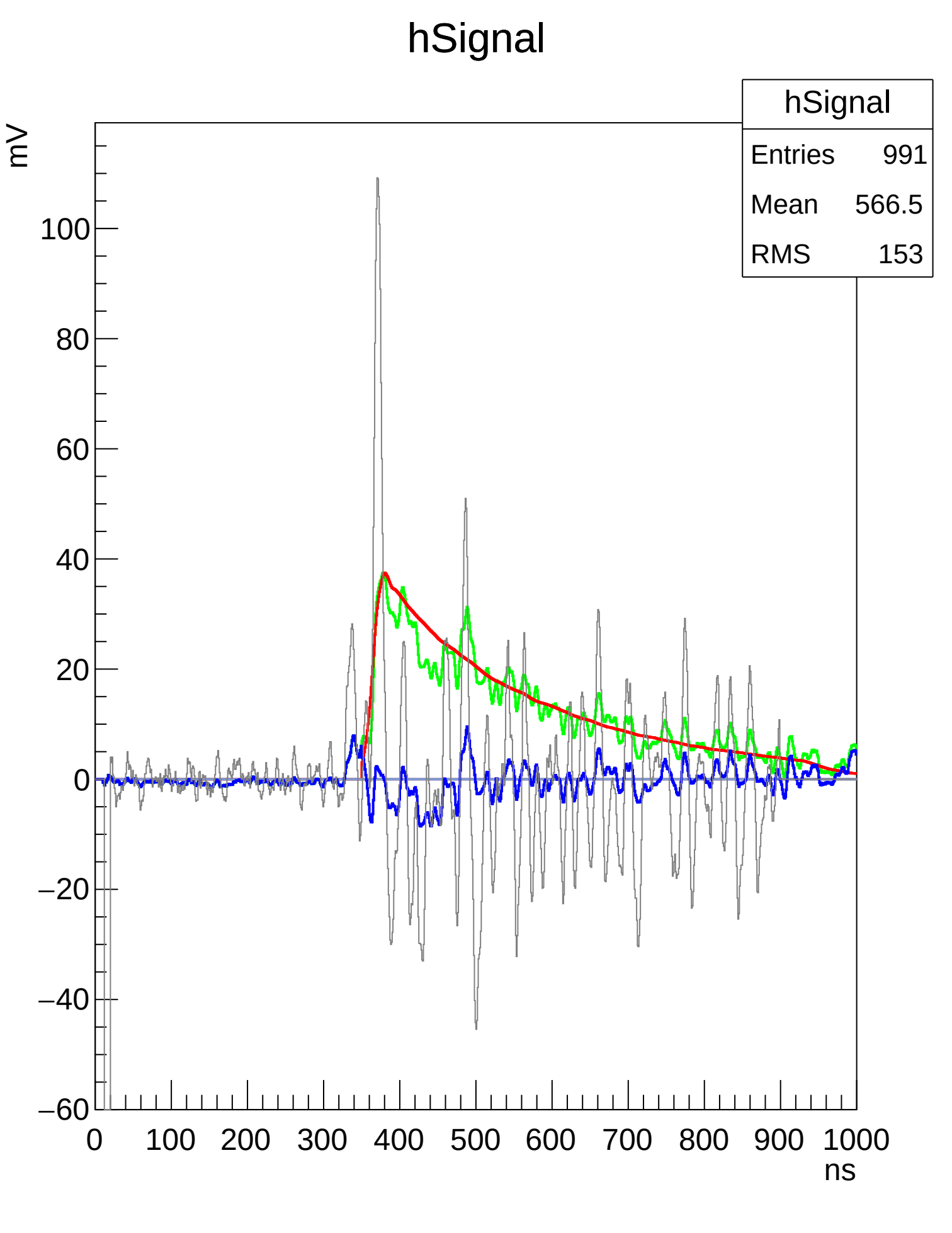

hSignal
hSignal
Entries 991
Mean 519.8
RMS 172.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

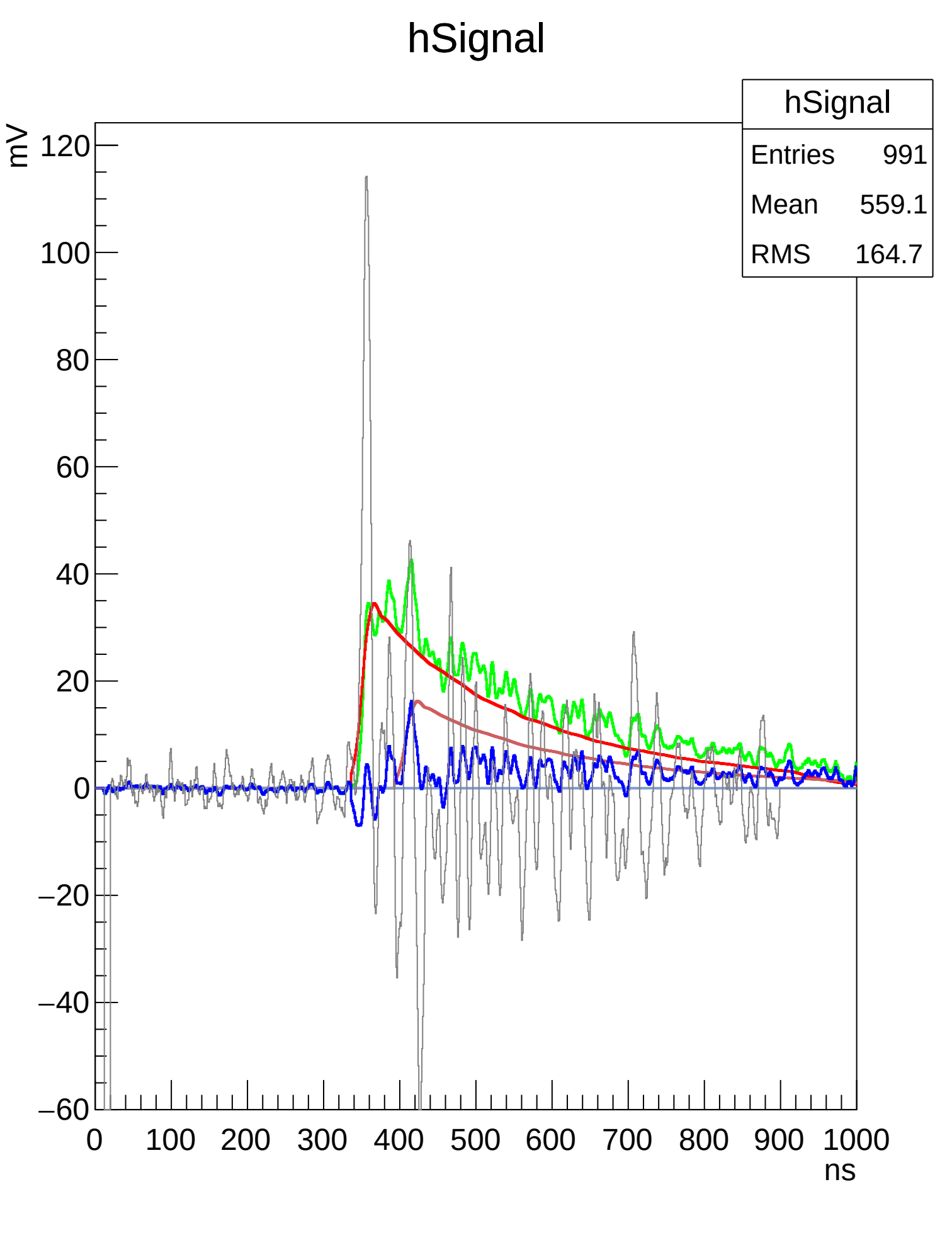

hSignal
hSignal
Entries 991
Mean 484.5
RMS 179.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

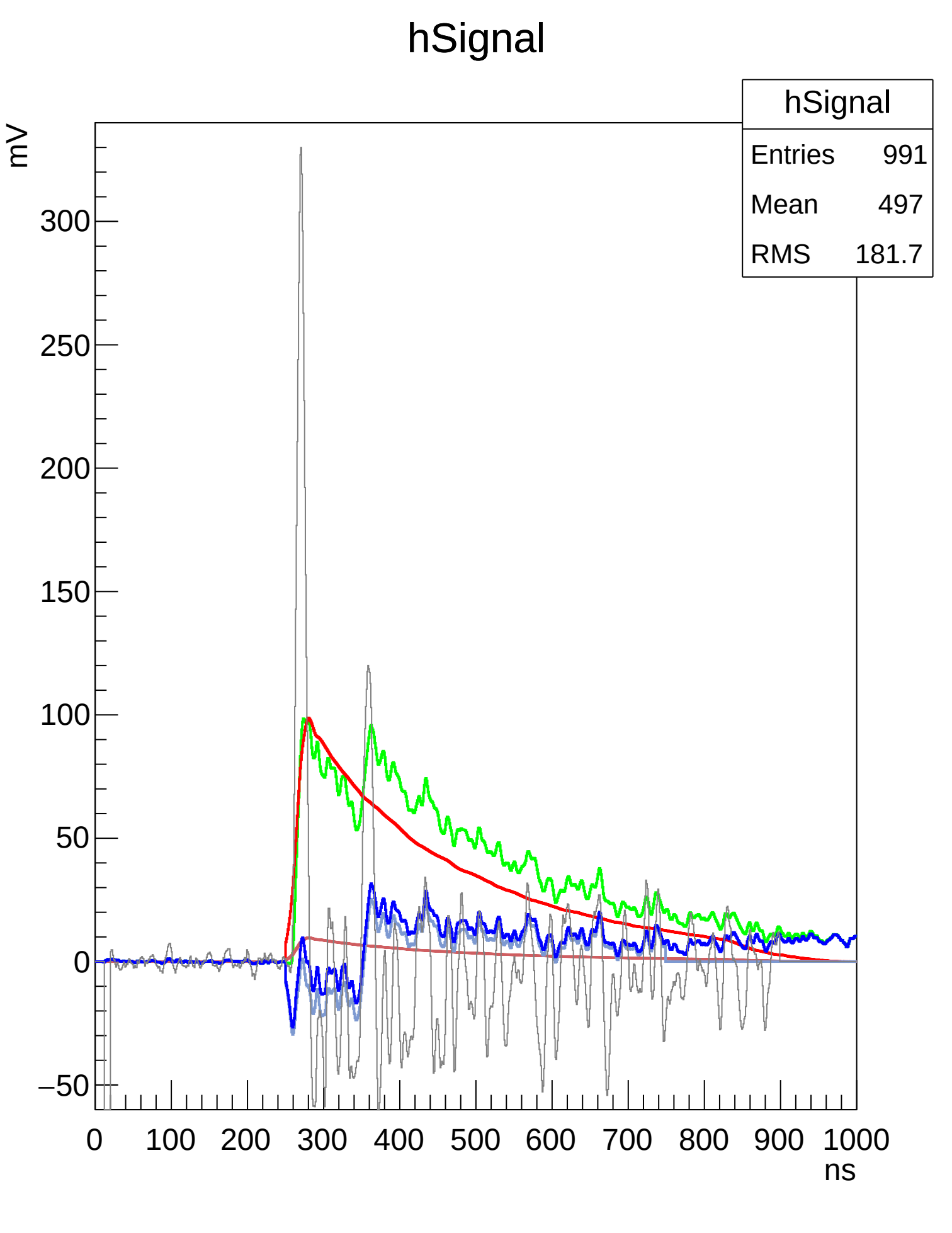

hSignal
hSignal
Entries 991
Mean 580
RMS 160.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

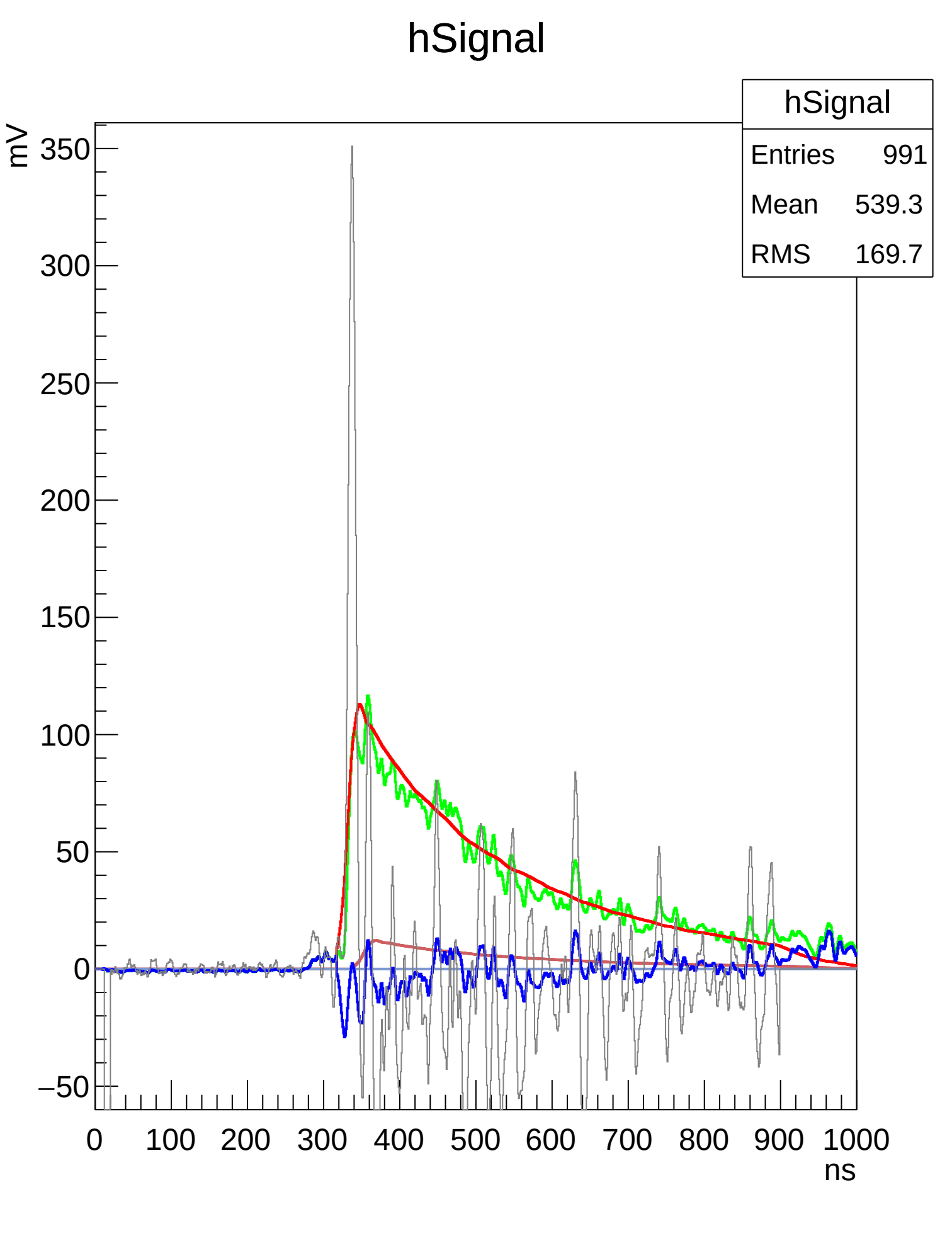

hSignal
hSignal
Entries 991
Mean 492.6
RMS 181.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

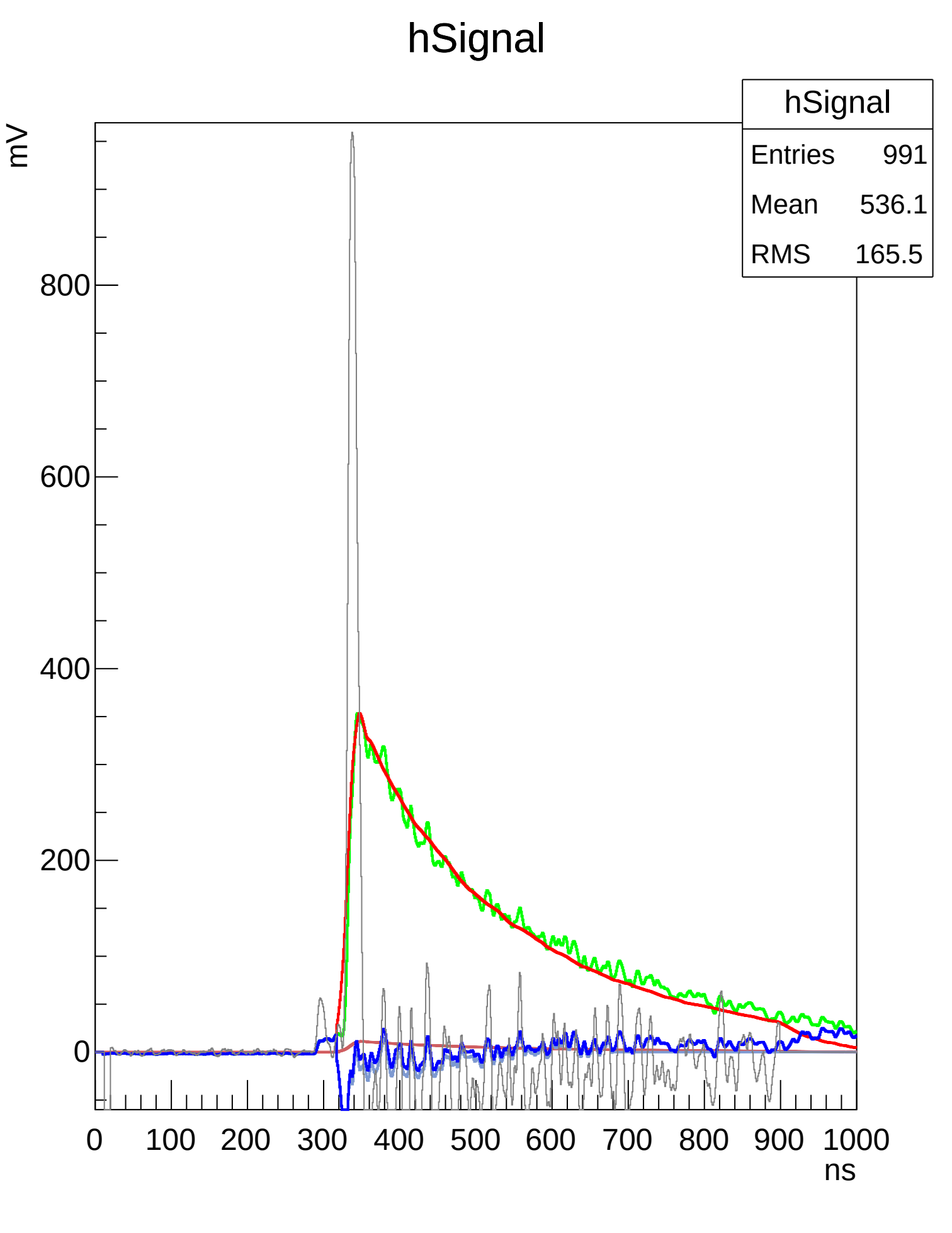

hSignal
hSignal
Entries 991
Mean 573.2
RMS 158.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

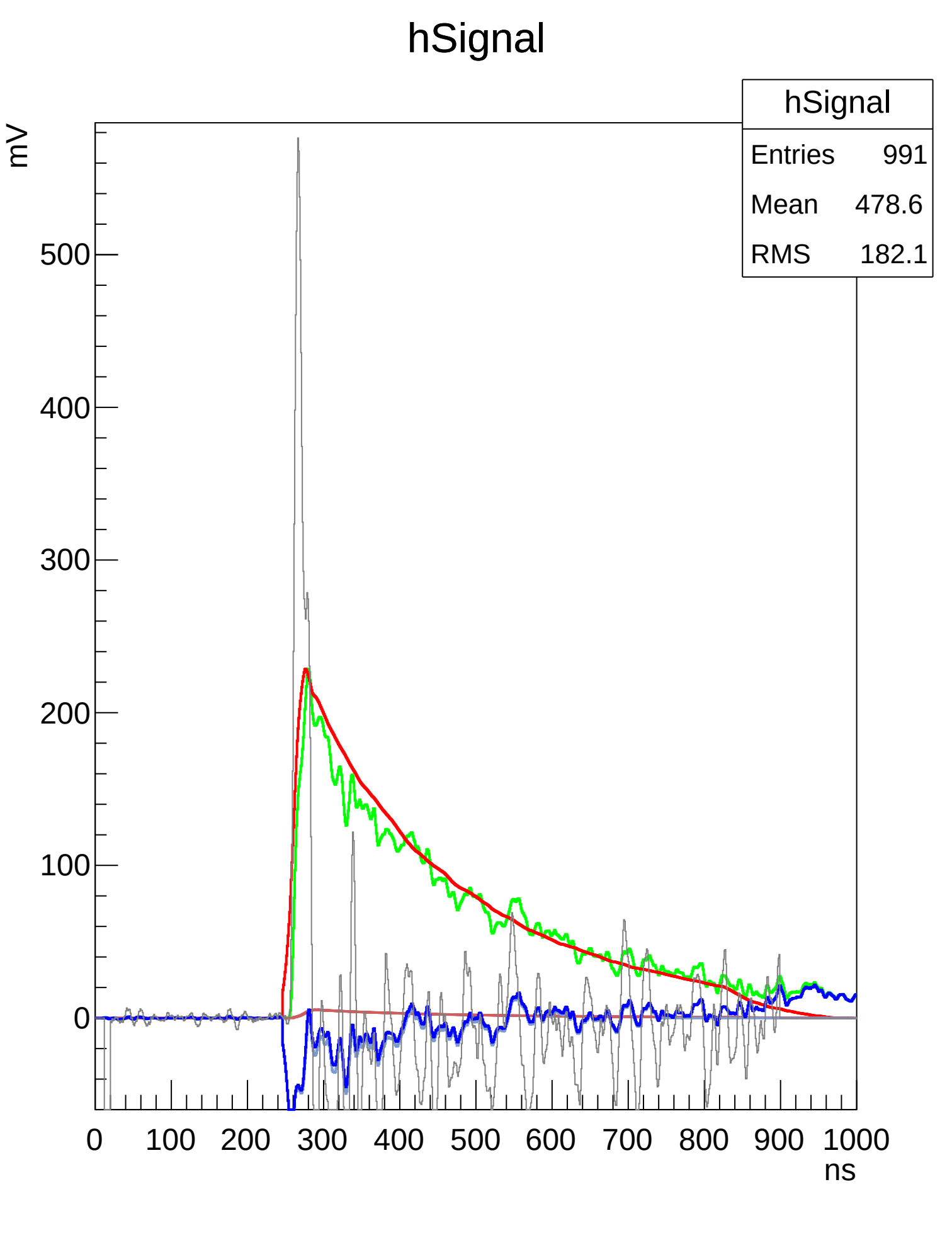

hSignal
hSignal
Entries 991
Mean 566.5
RMS 153
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

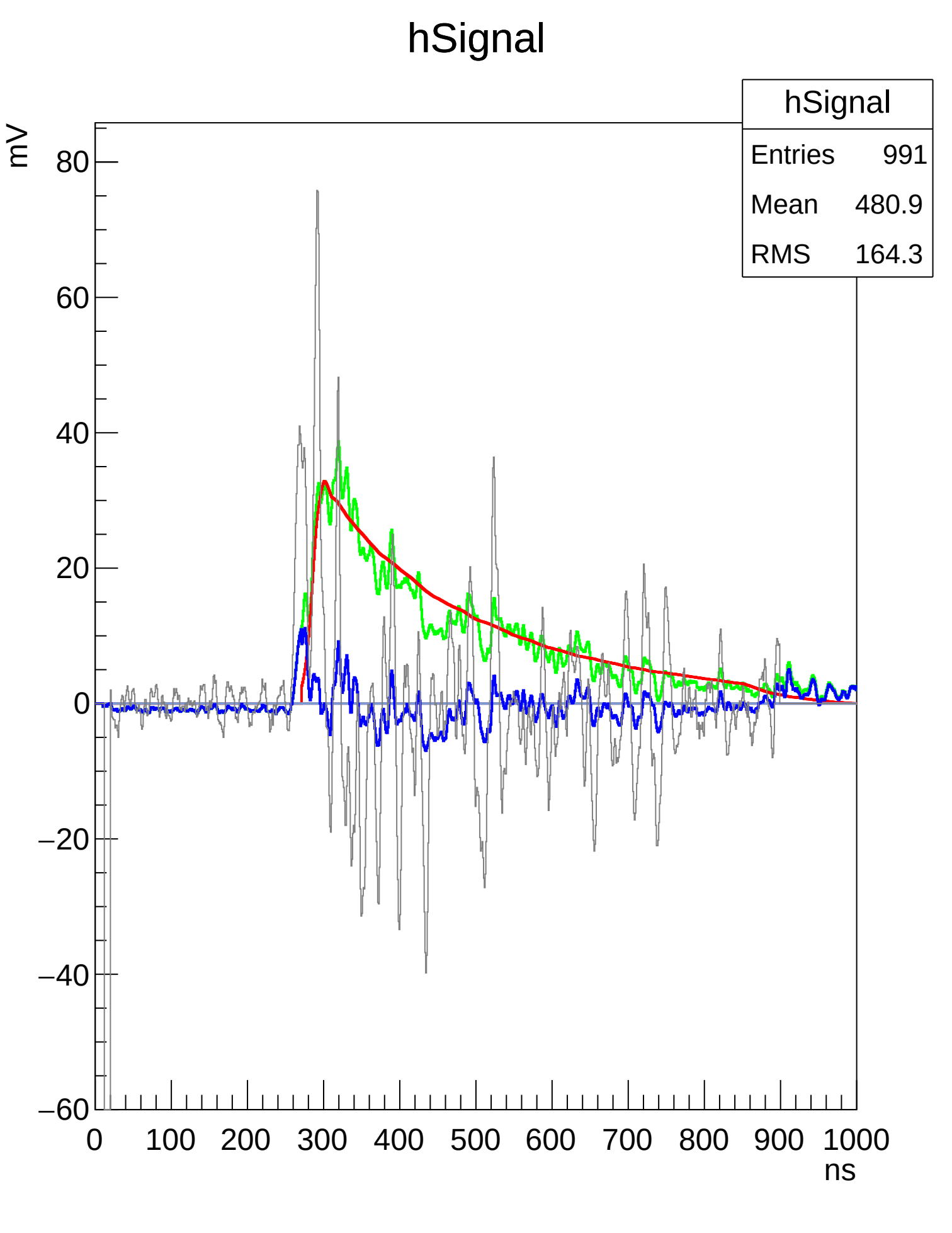

hSignal
hSignal
Entries 991
Mean 559.1
RMS 164.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

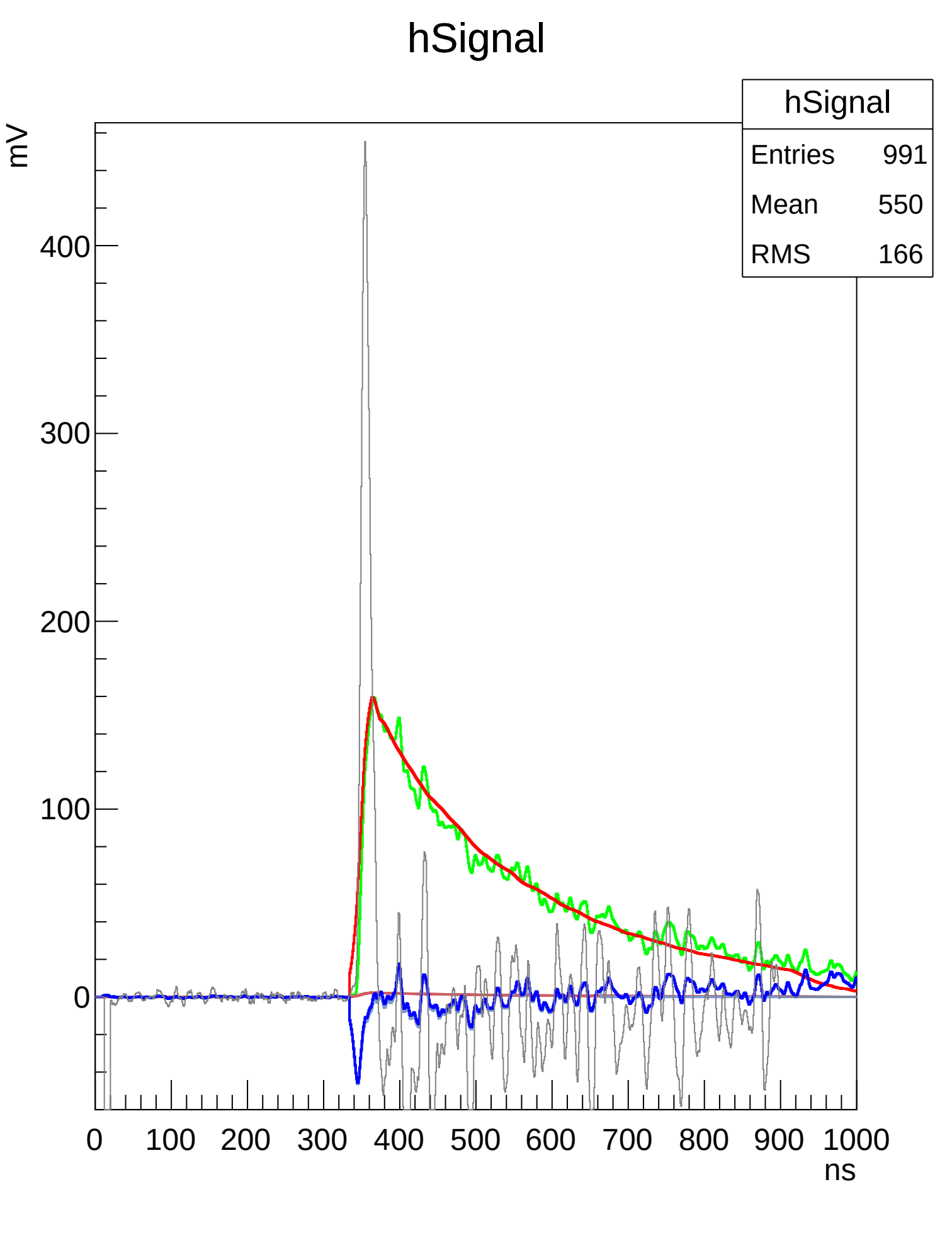

hSignal
hSignal
Entries 991
Mean 497
RMS 181.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

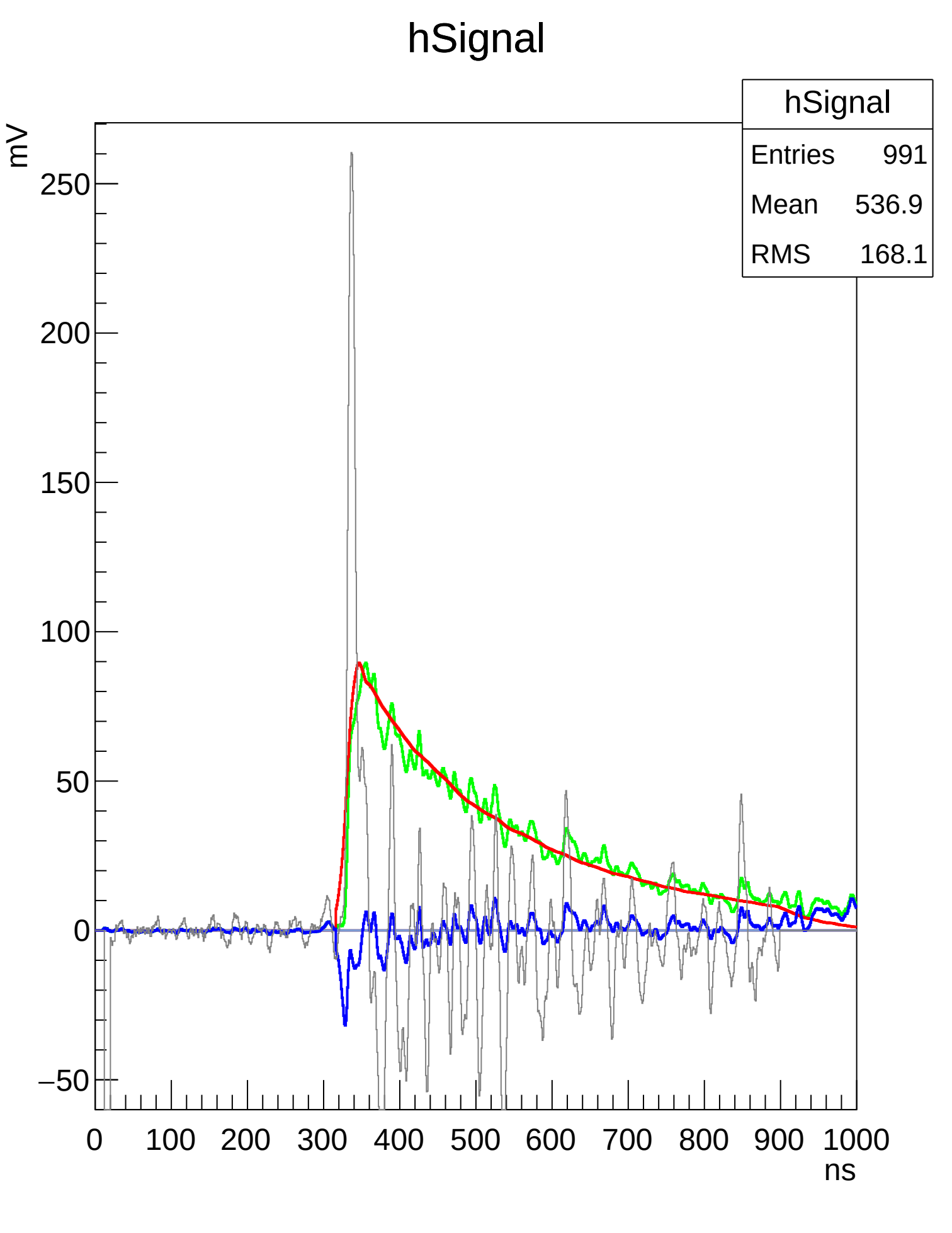

hSignal
hSignal
Entries 991
Mean 539.3
RMS 169.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

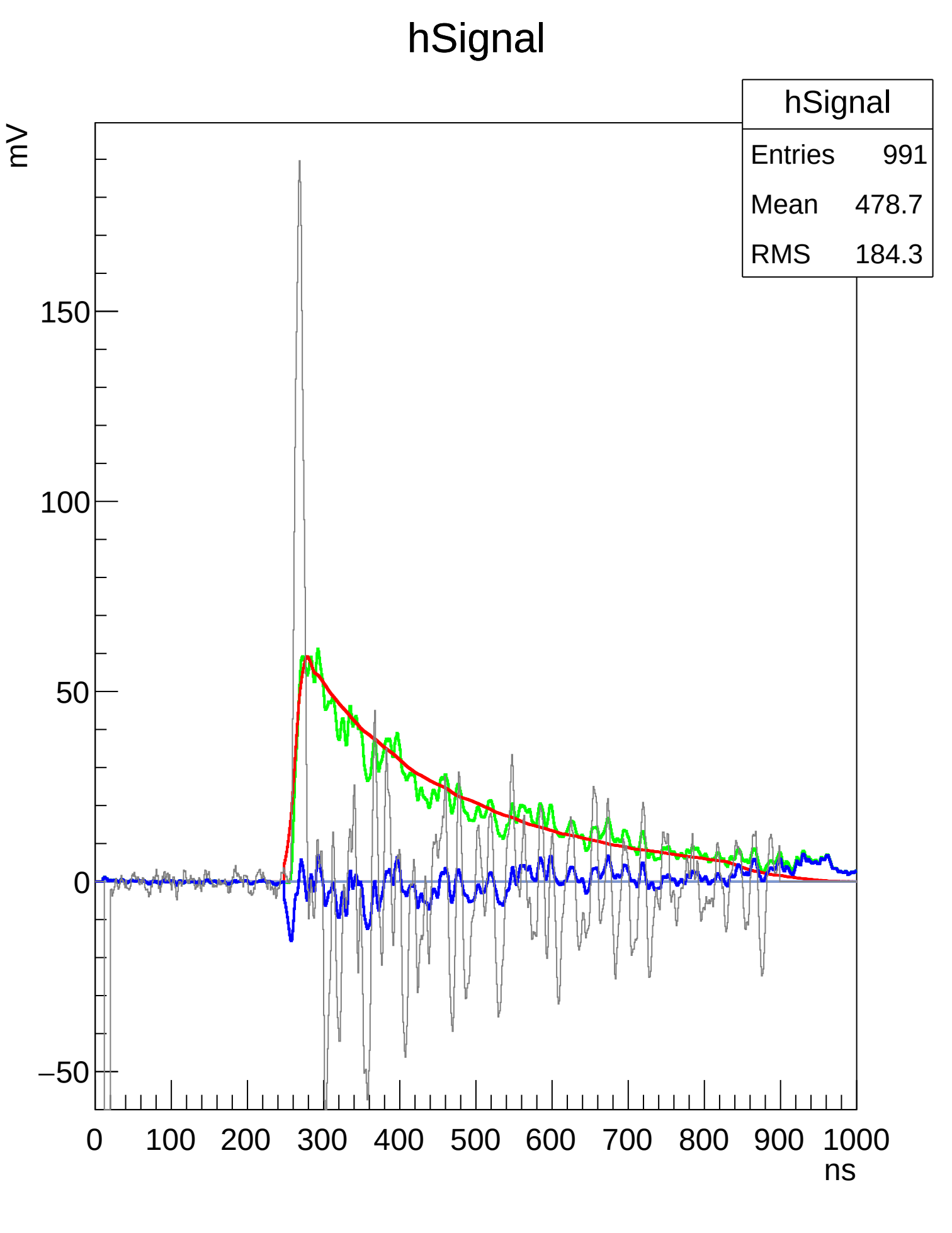

hSignal
hSignal
Entries 991
Mean 536.1
RMS 165.5
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

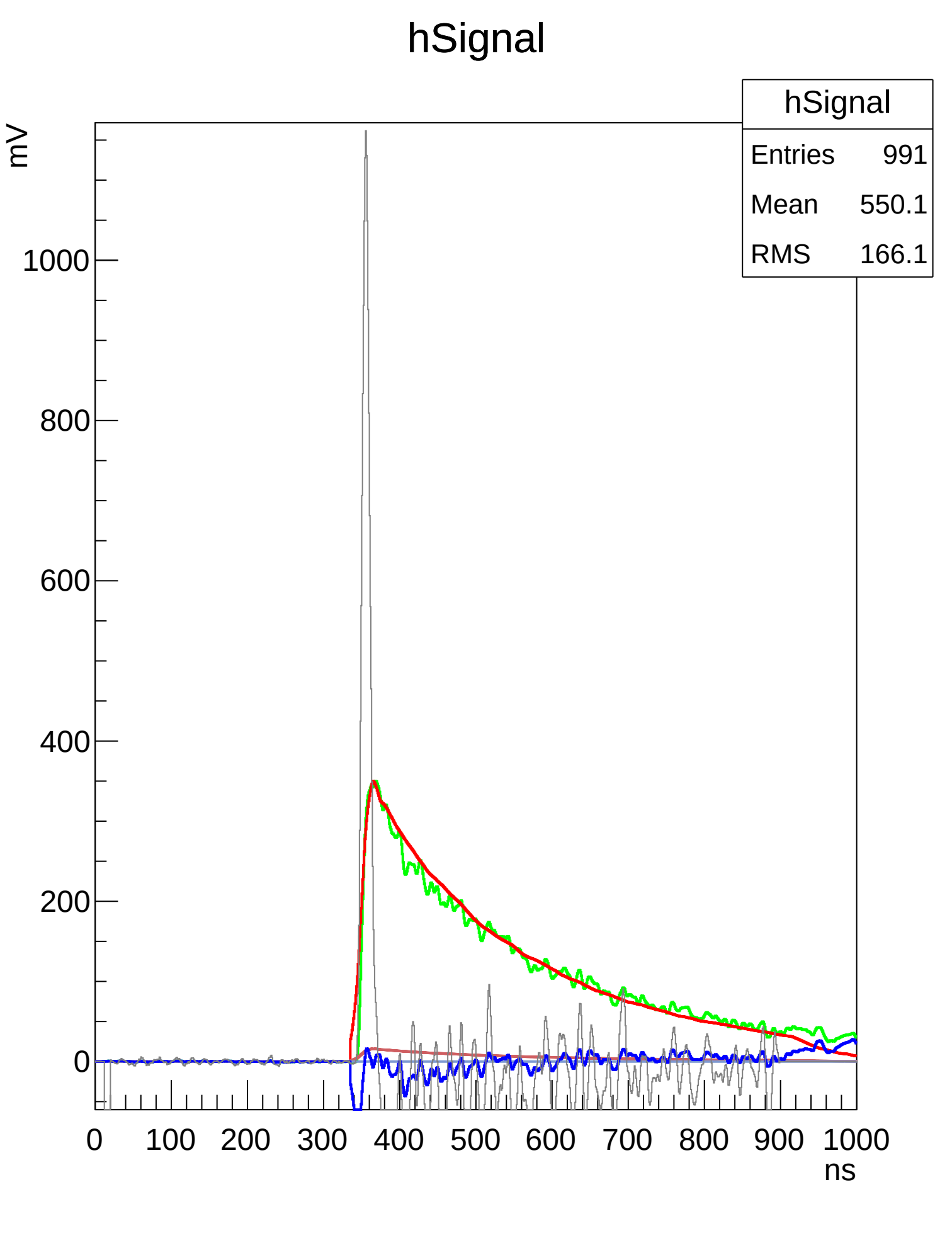

hSignal
hSignal
Entries 991
Mean 478.6
RMS 182.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

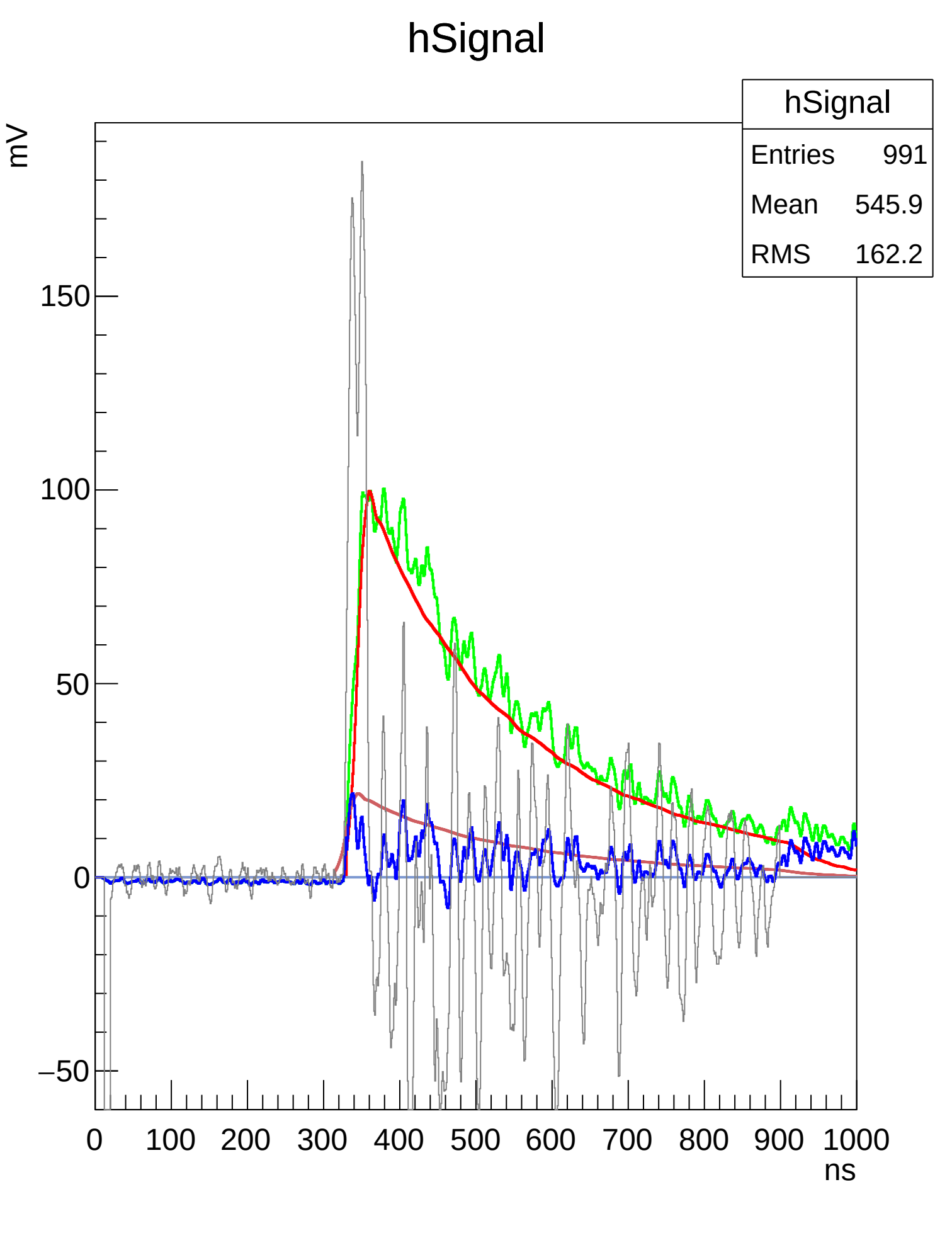

hSignal
hSignal
Entries 991
Mean 480.9
RMS 164.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

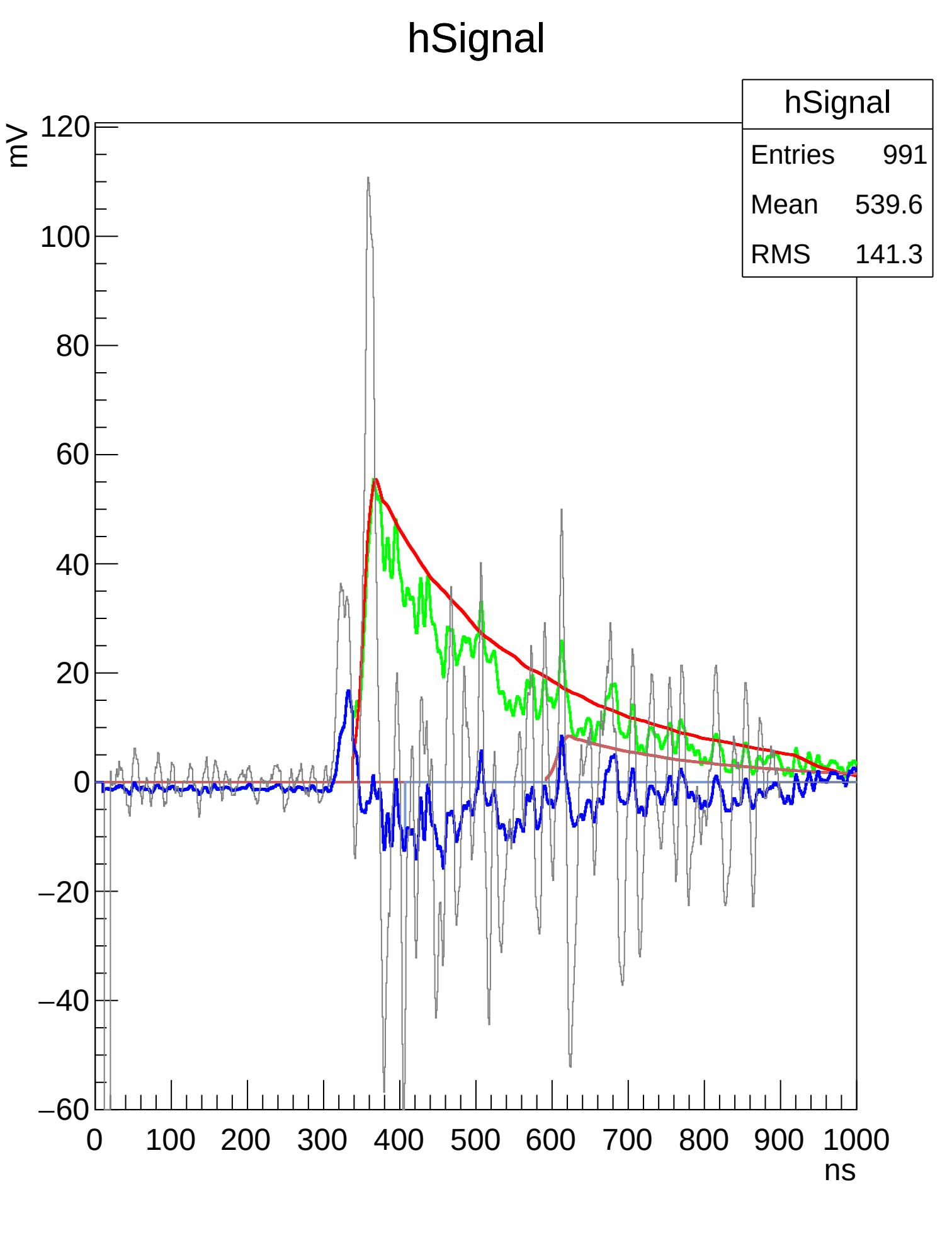

hSignal
hSignal
Entries 991
Mean 550
RMS 166
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

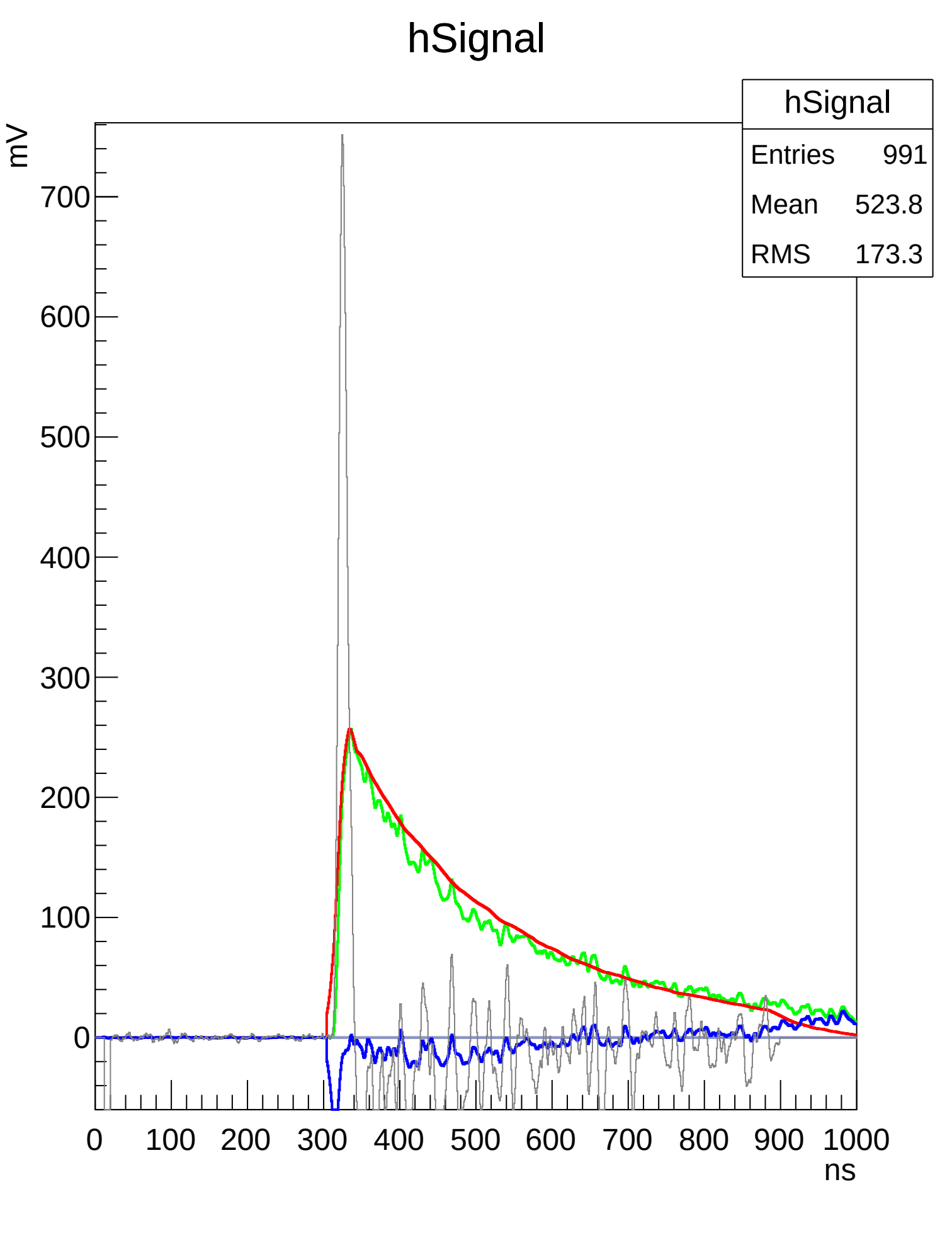

hSignal
hSignal
Entries 991
Mean 536.9
RMS 168.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

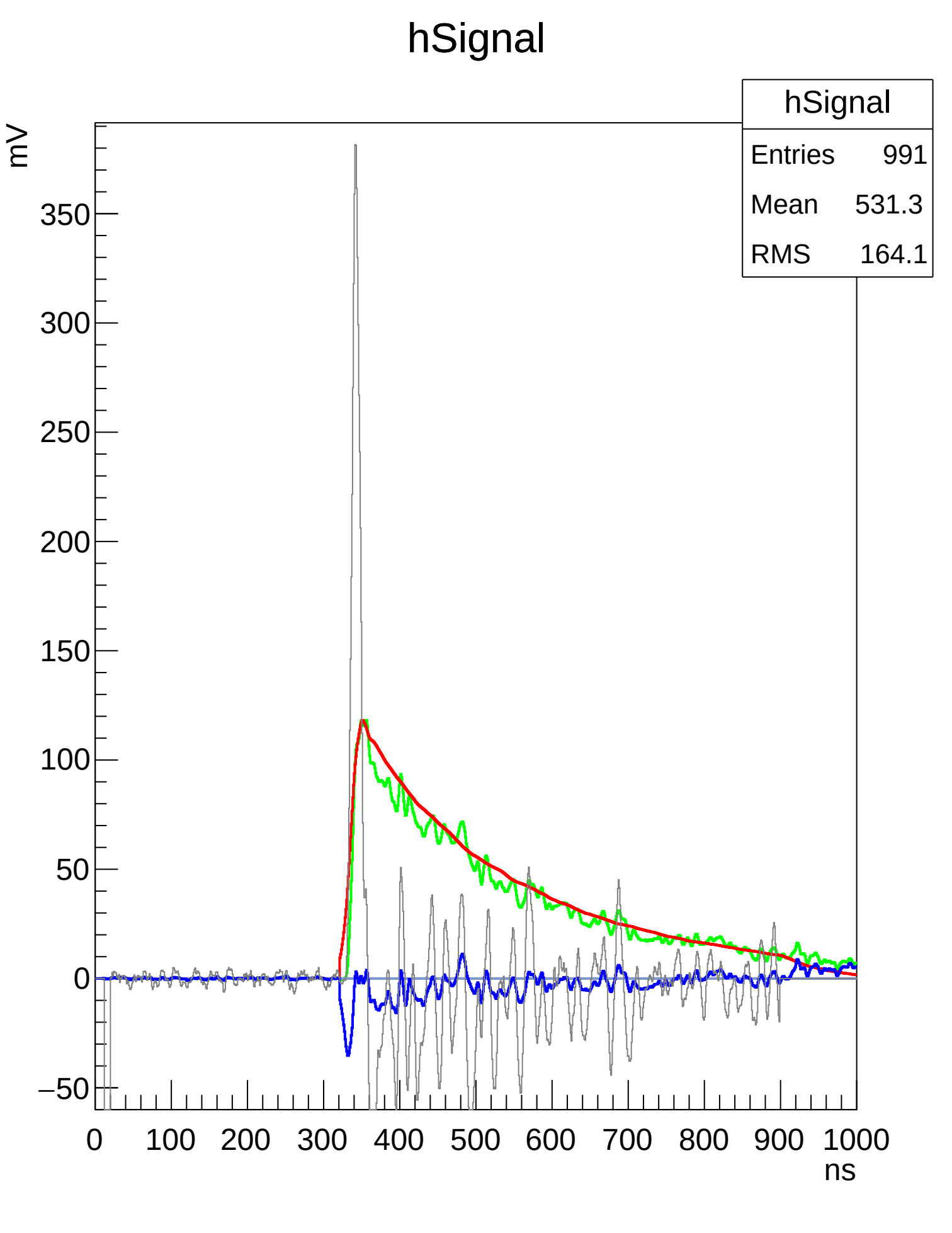

hSignal
hSignal
Entries 991
Mean 478.7
RMS 184.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

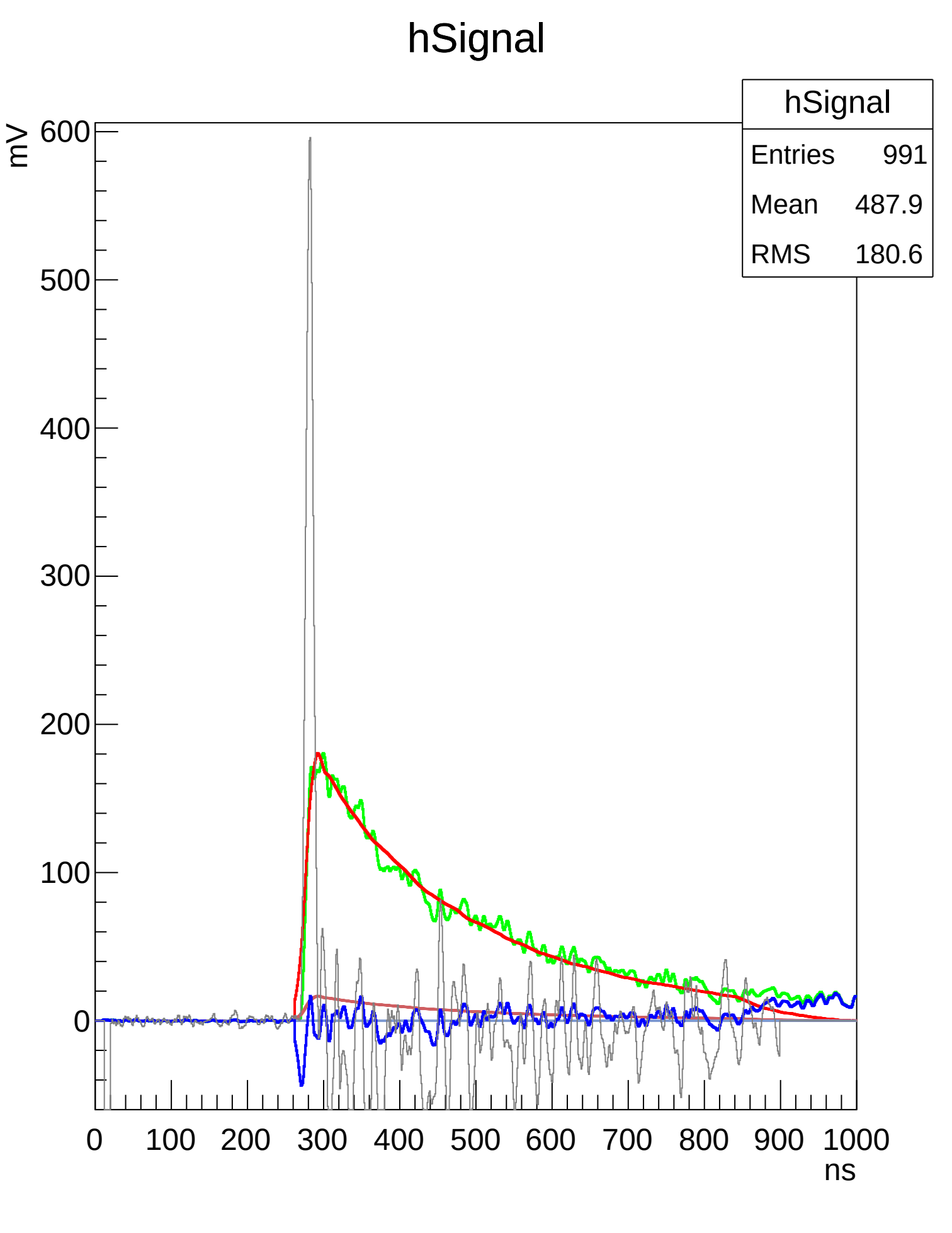

hSignal
hSignal
Entries 991
Mean 550.1
RMS 166.1
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

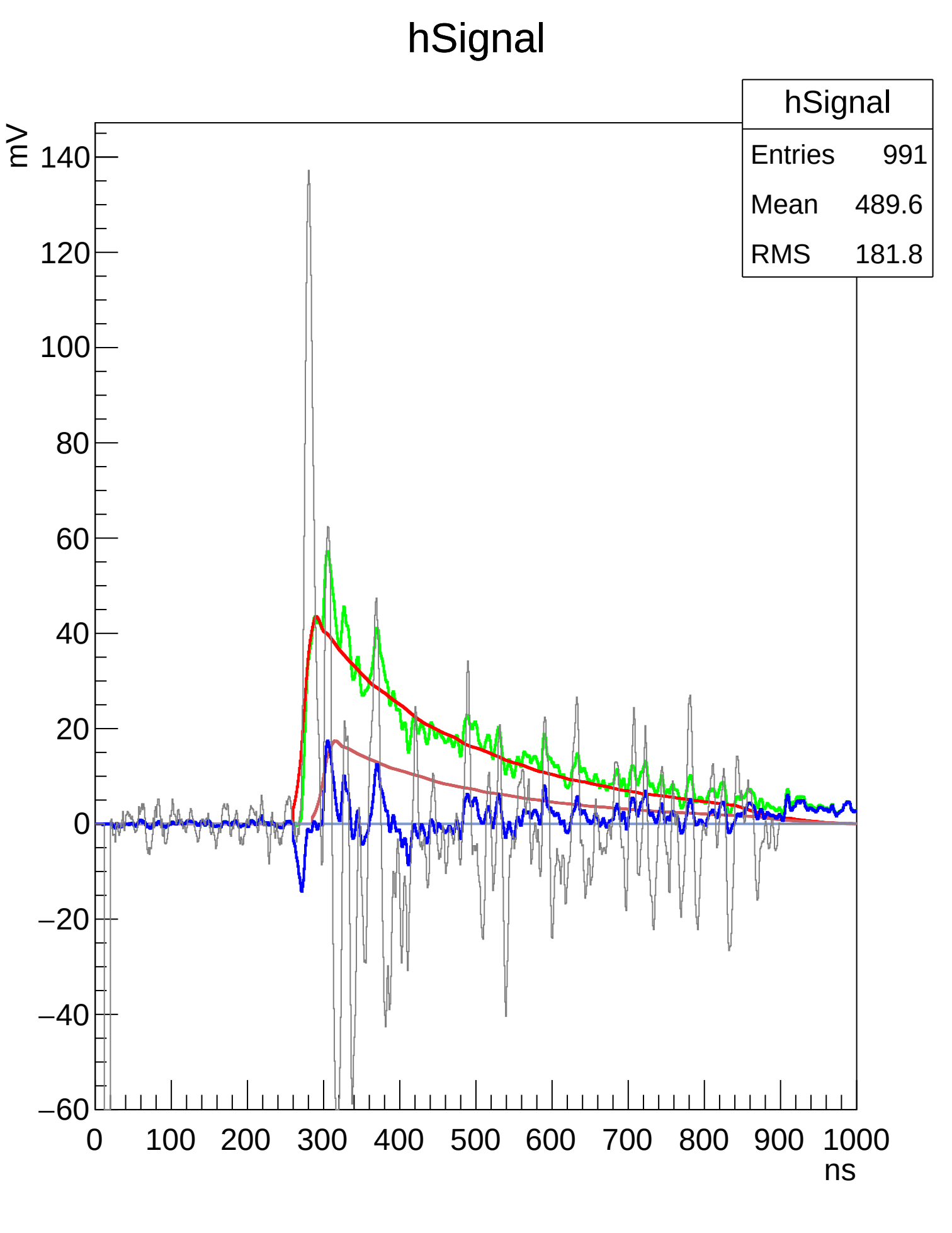

hSignal
hSignal
Entries 991
Mean 545.9
RMS 162.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

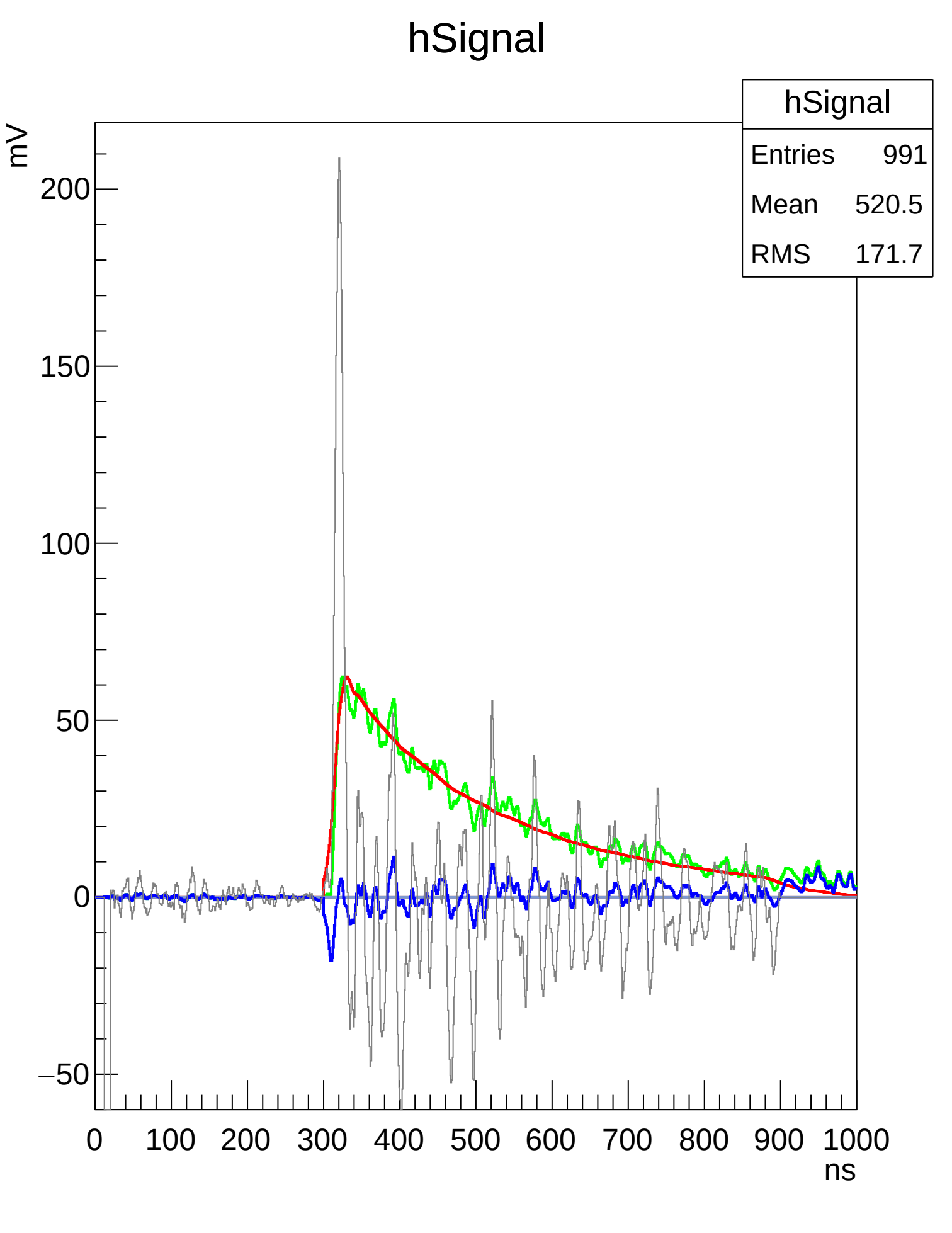

hSignal
hSignal
Entries 991
Mean 539.6
RMS 141.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

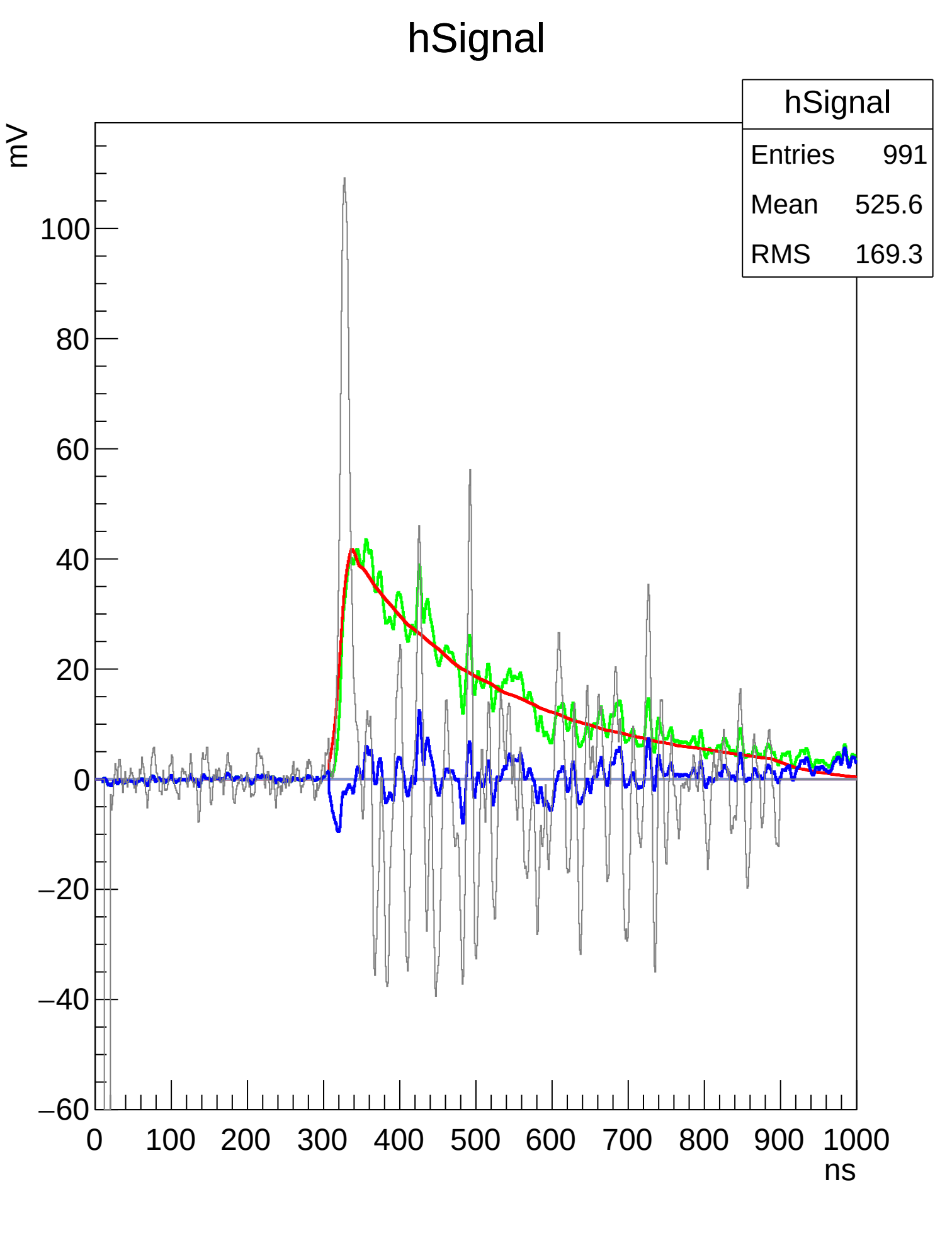

hSignal
hSignal
Entries 991
Mean 523.8
RMS 173.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

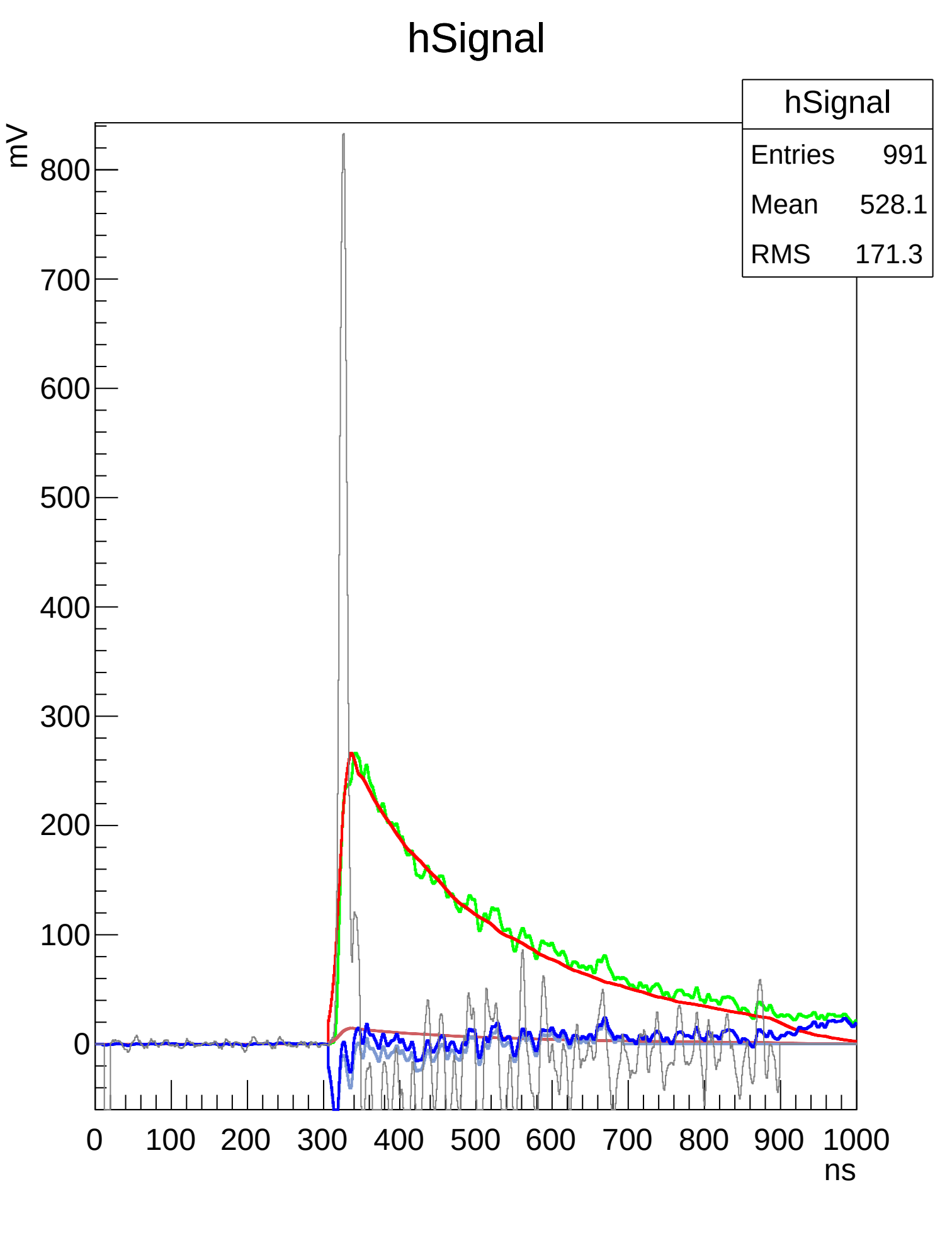

hSignal
hSignal
Entries 991
Mean 531.3
RMS 164.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

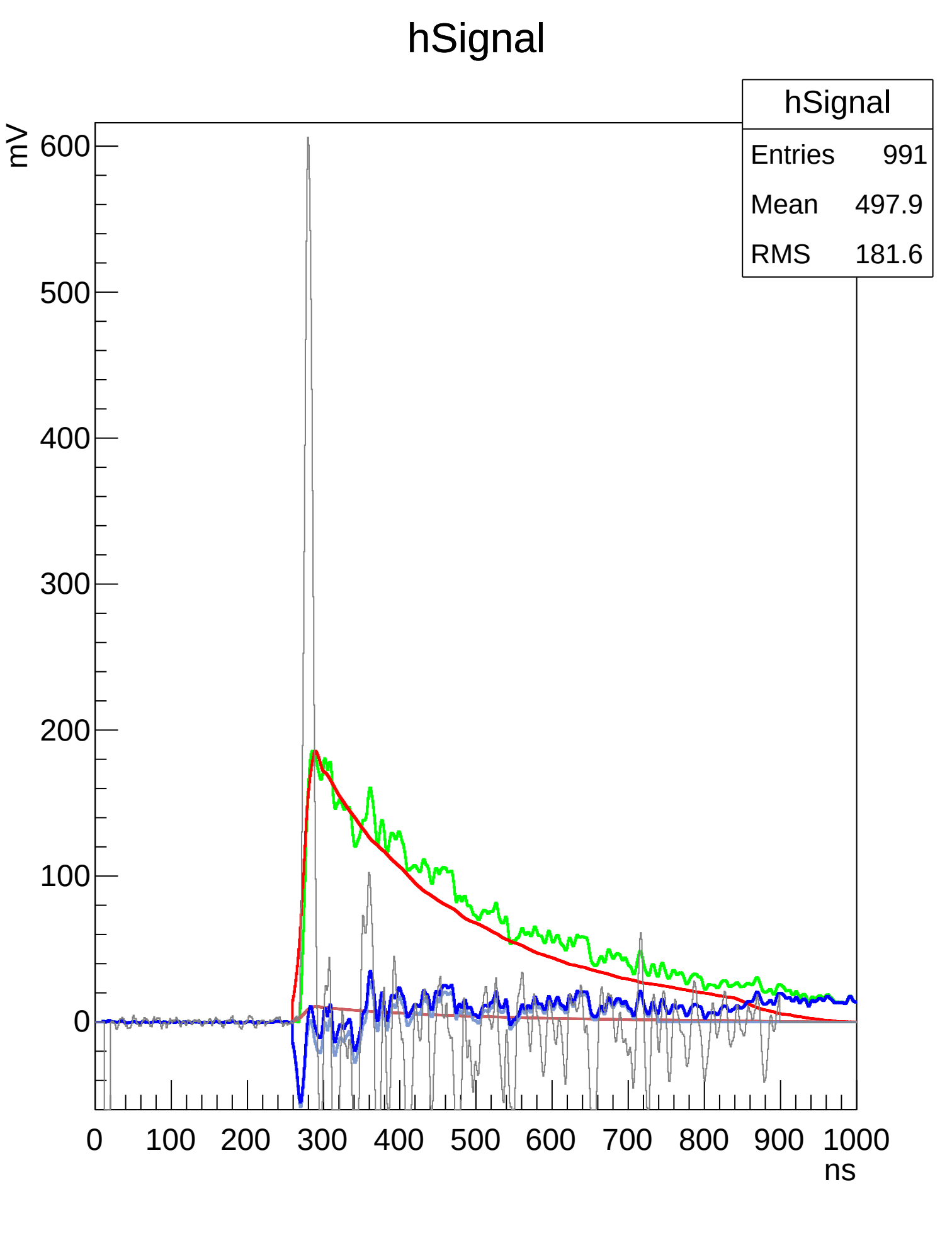

hSignal
hSignal
Entries 991
Mean 487.9
RMS 180.6
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

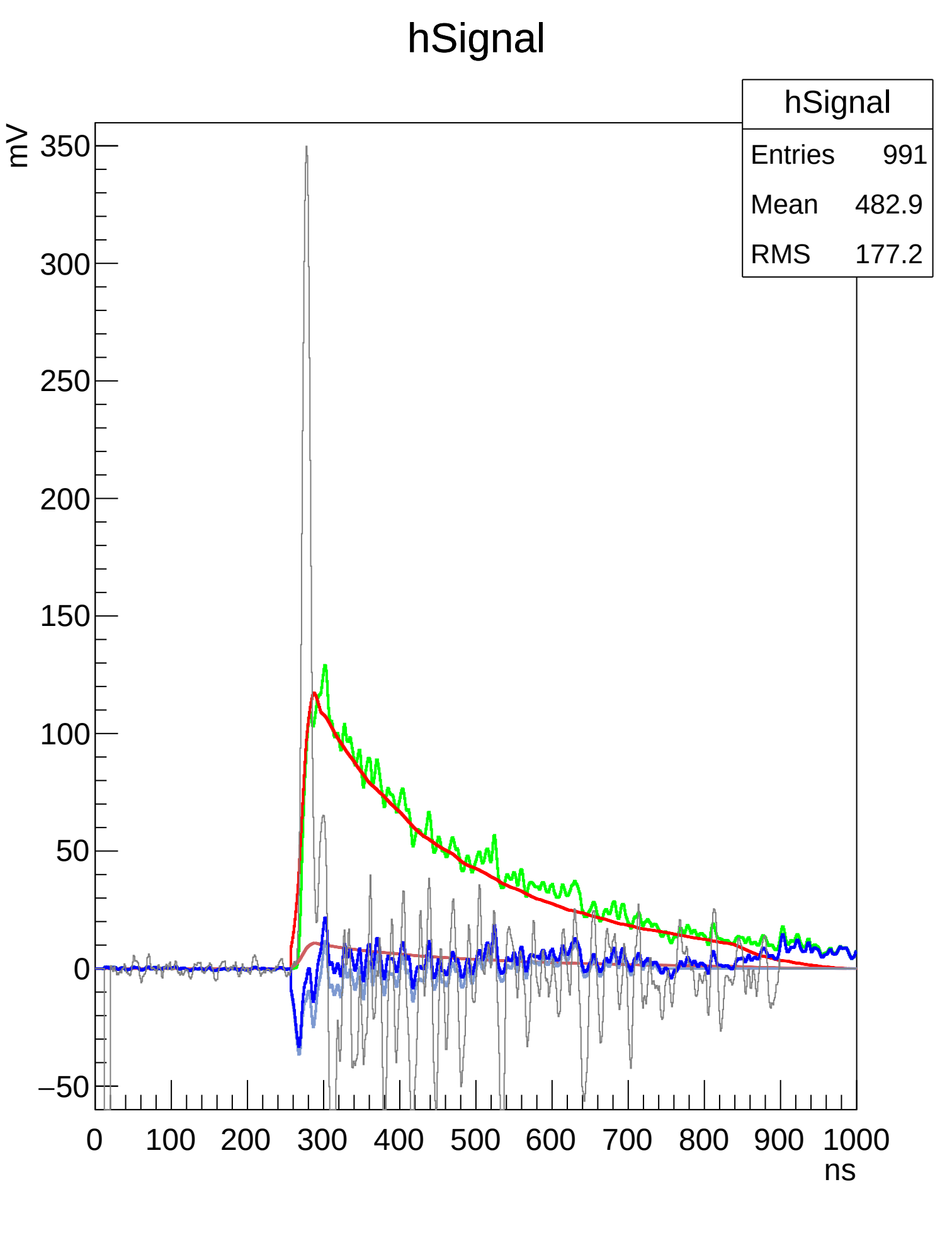

hSignal
hSignal
Entries 991
Mean 489.6
RMS 181.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

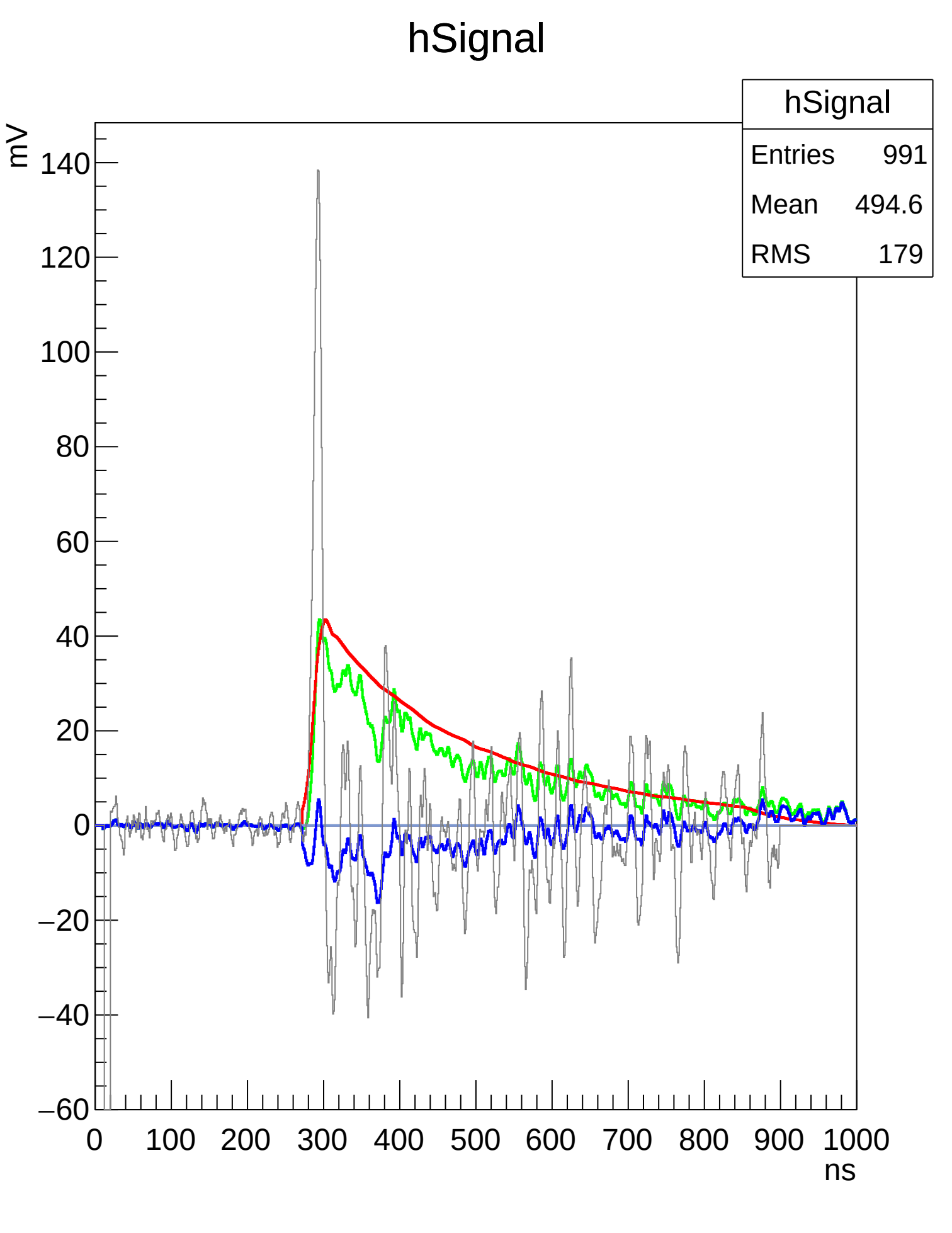

hSignal
hSignal
Entries 991
Mean 520.5
RMS 171.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

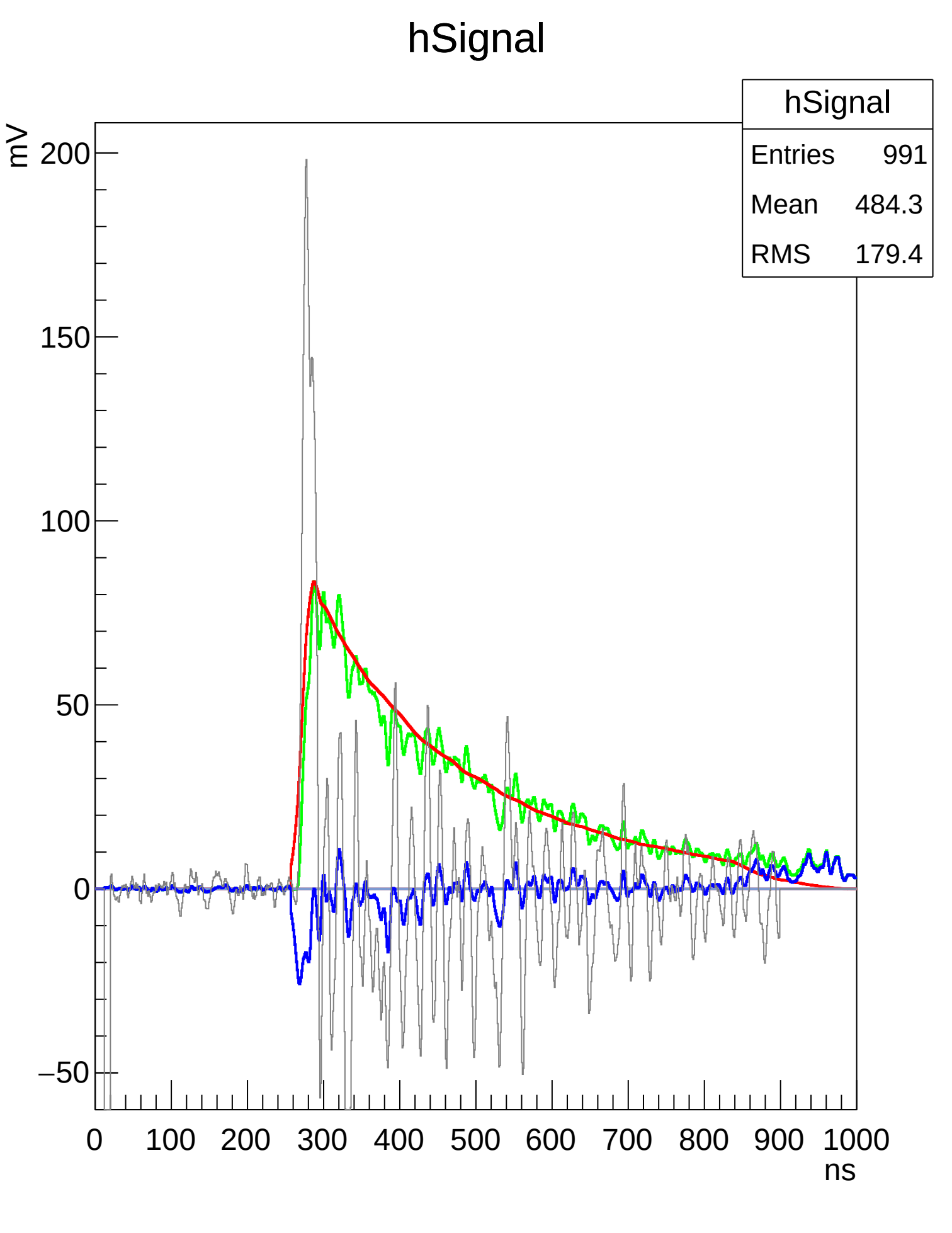

hSignal
hSignal
Entries 991
Mean 525.6
RMS 169.3
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

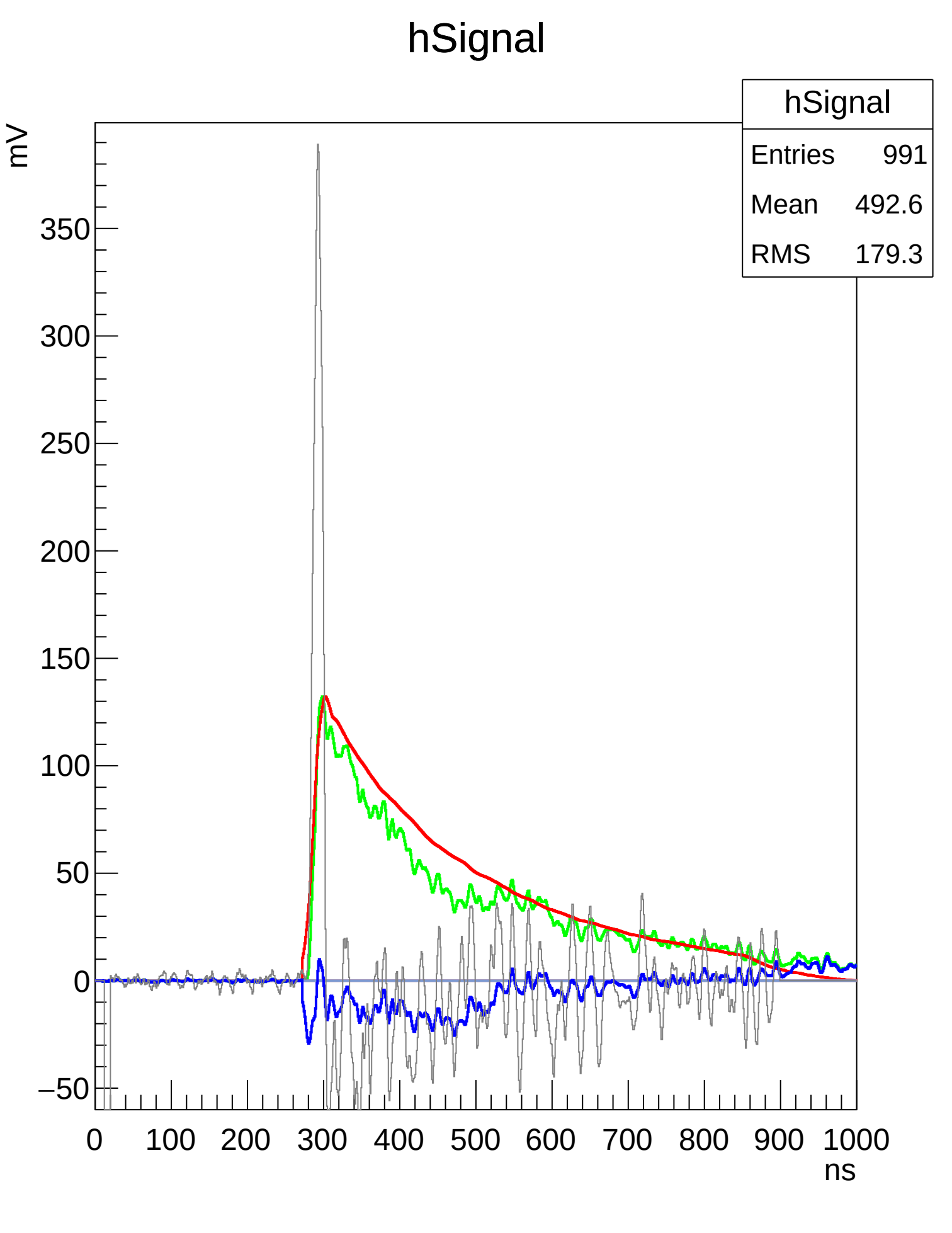

hSignal
hSignal
Entries 991
Mean 528.1
RMS 171.3
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

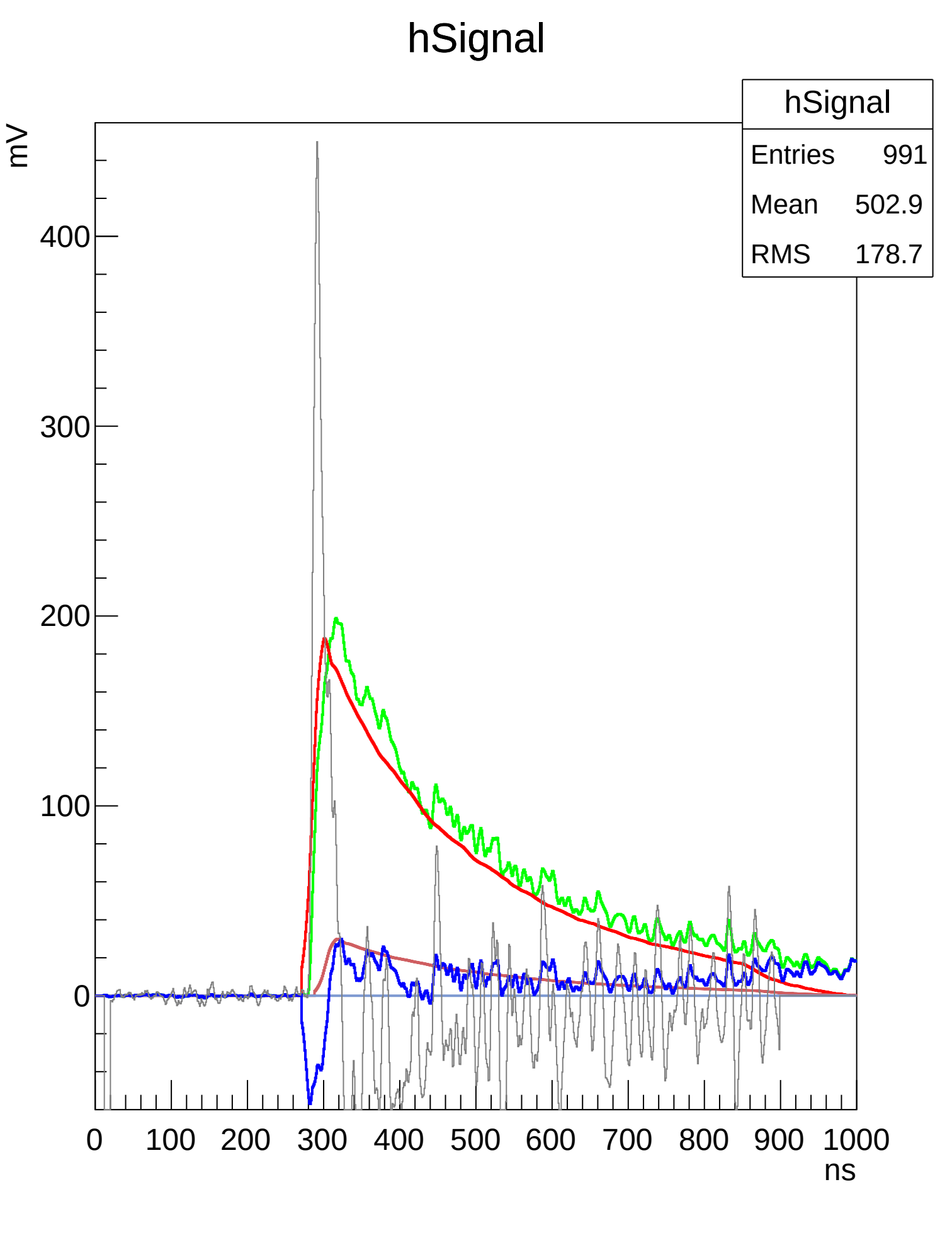

hSignal
hSignal
Entries 991
Mean 497.9
RMS 181.6
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

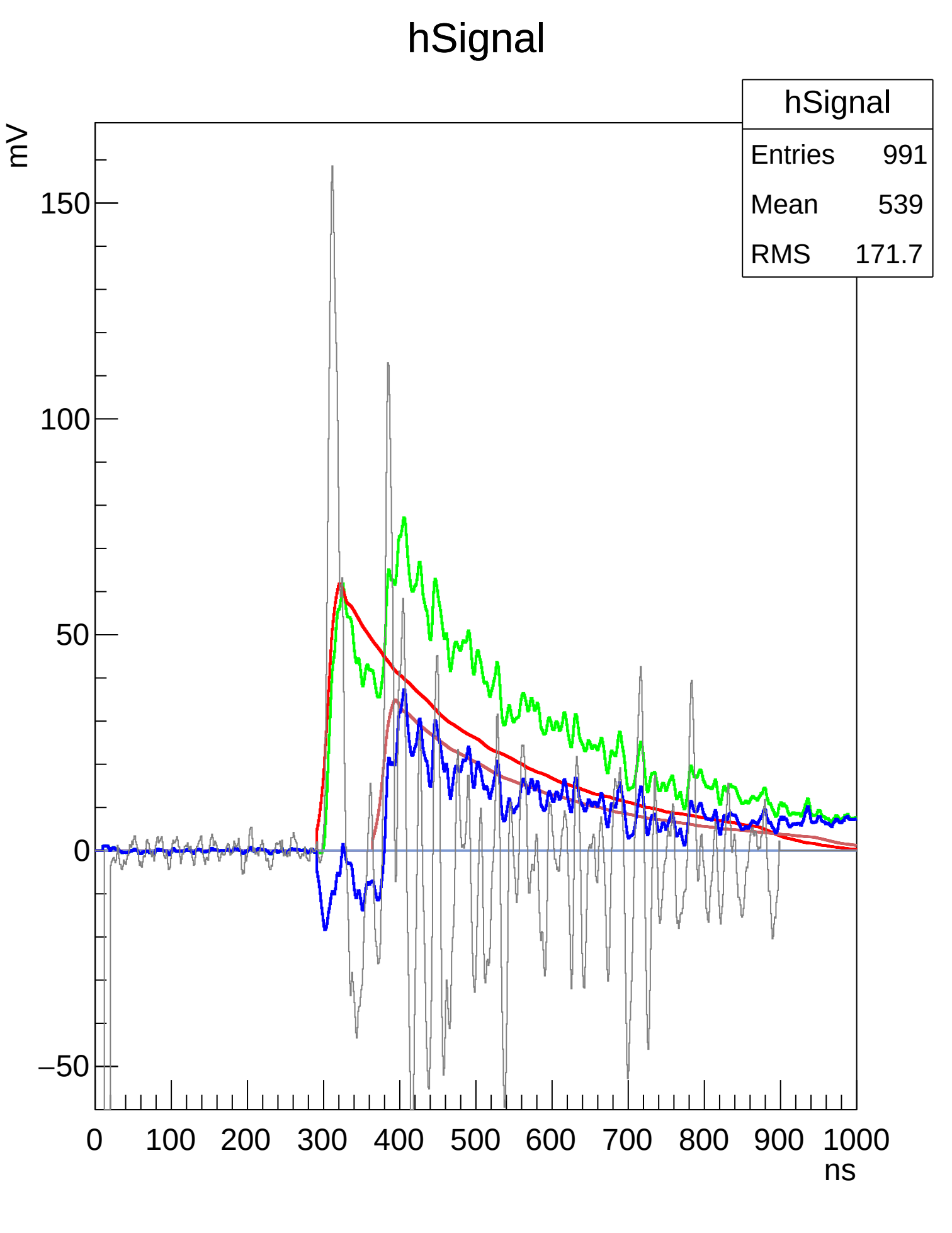

hSignal
hSignal
Entries 991
Mean 482.9
RMS 177.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

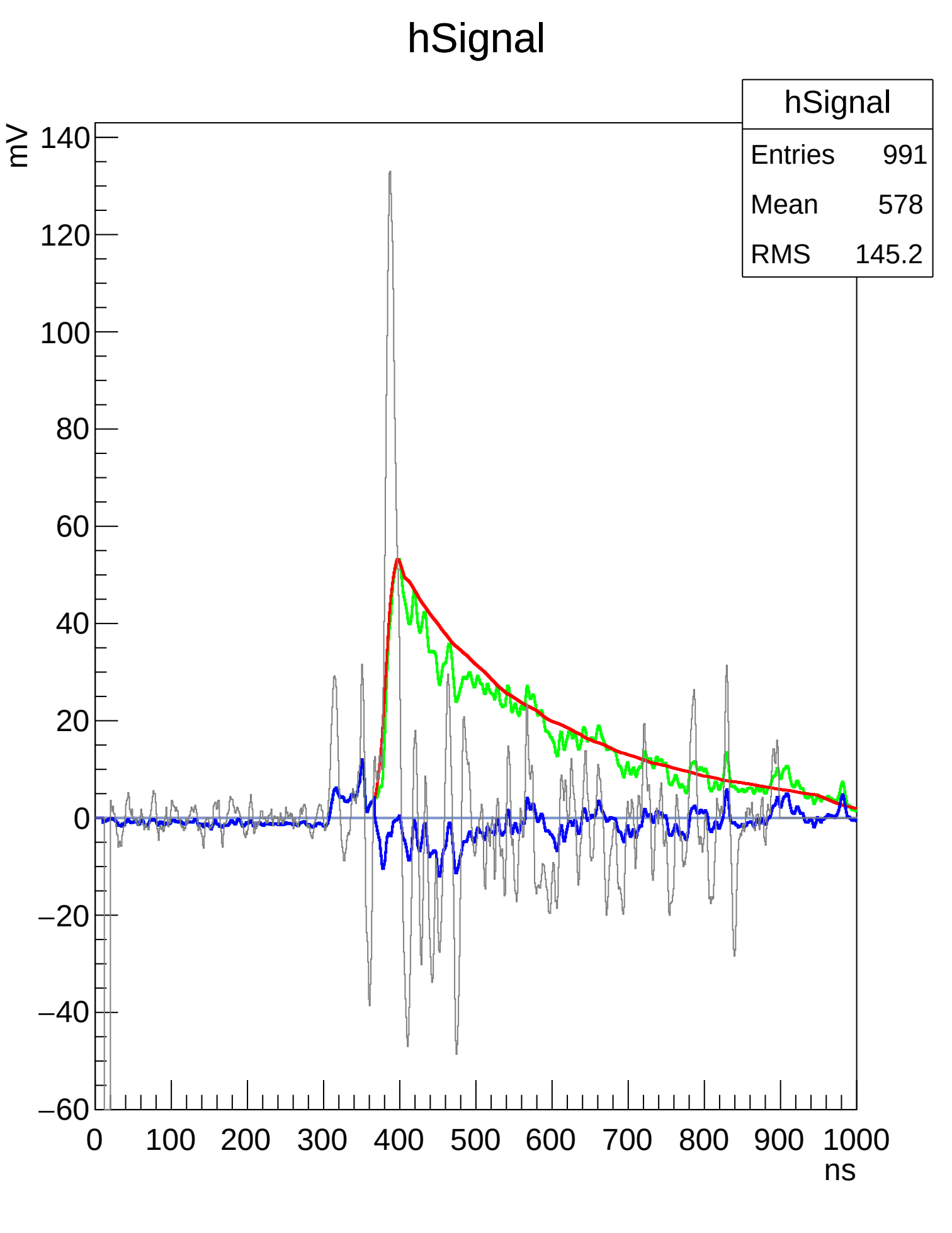

hSignal
hSignal
Entries 991
Mean 494.6
RMS 179
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

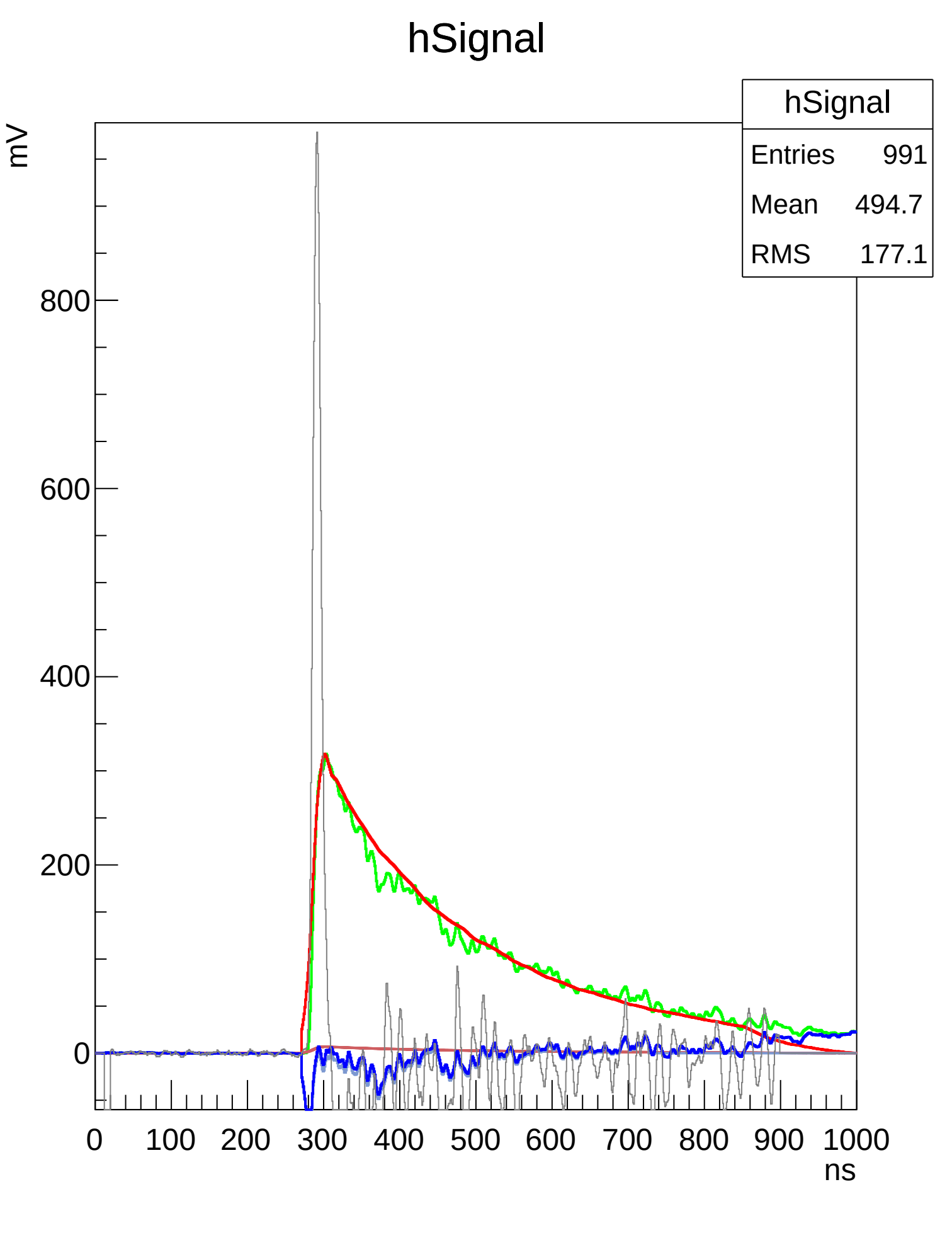

hSignal
hSignal
Entries 991
Mean 484.3
RMS 179.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

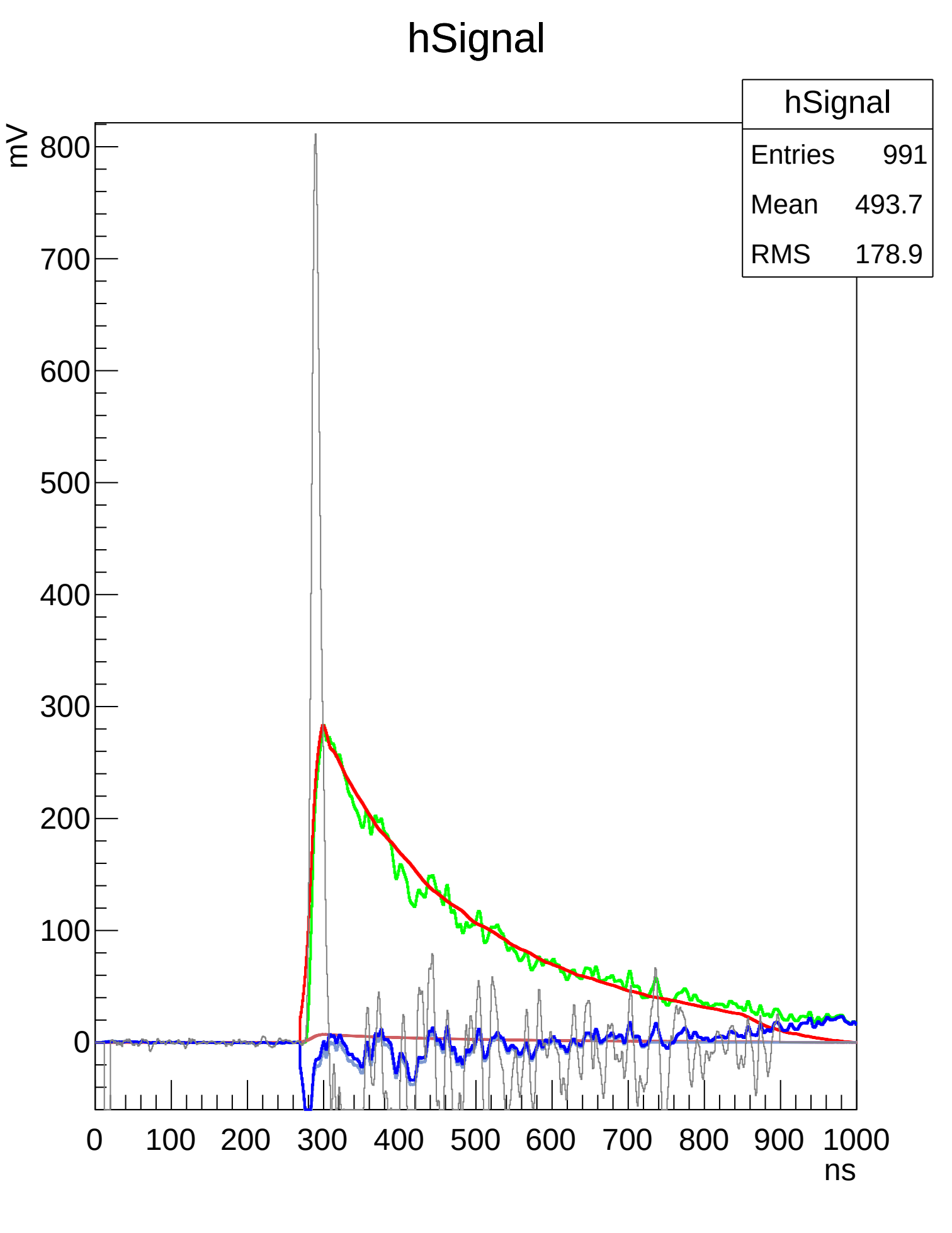

hSignal
hSignal
Entries 991
Mean 492.6
RMS 179.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

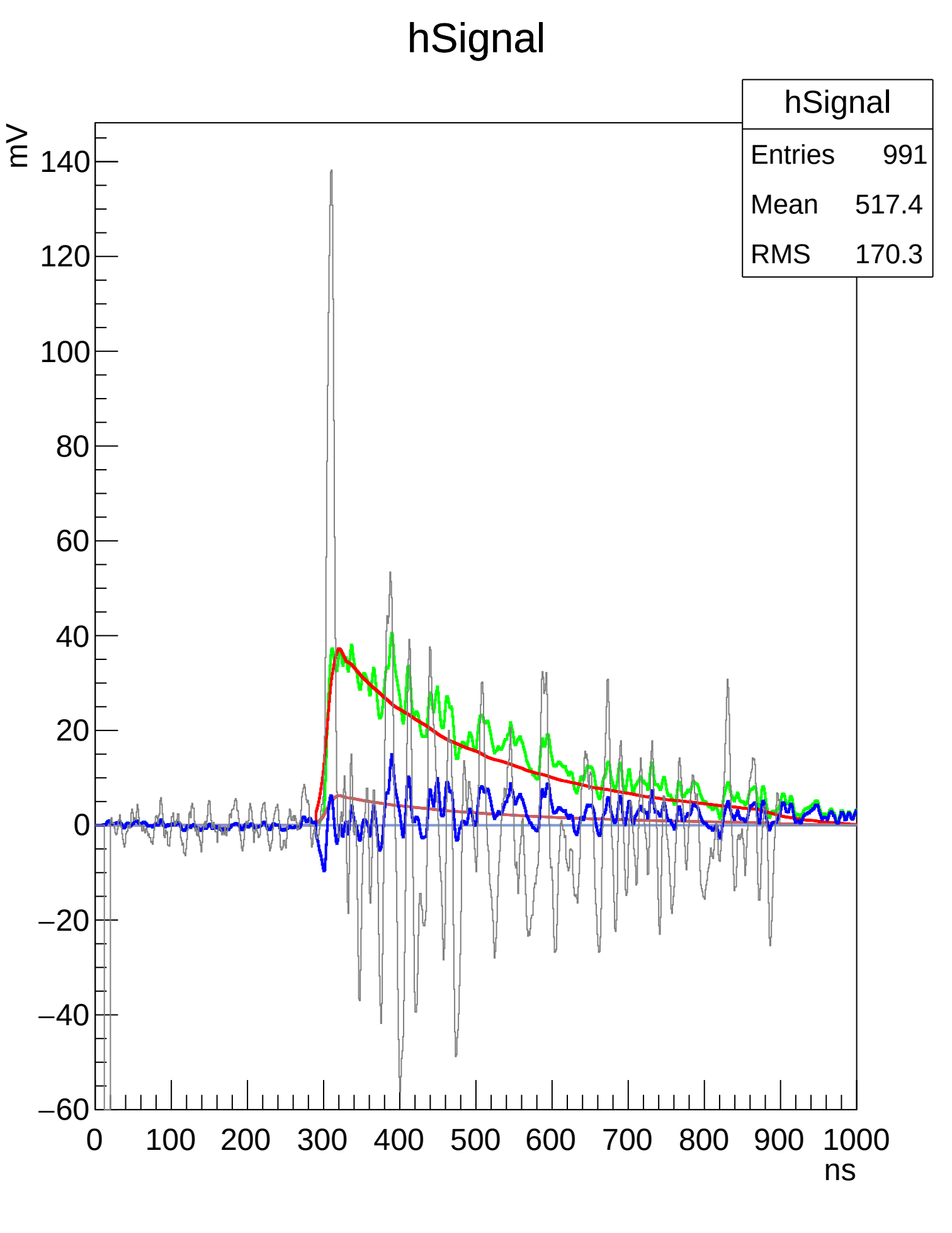

hSignal
hSignal
Entries 991
Mean 502.9
RMS 178.7
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

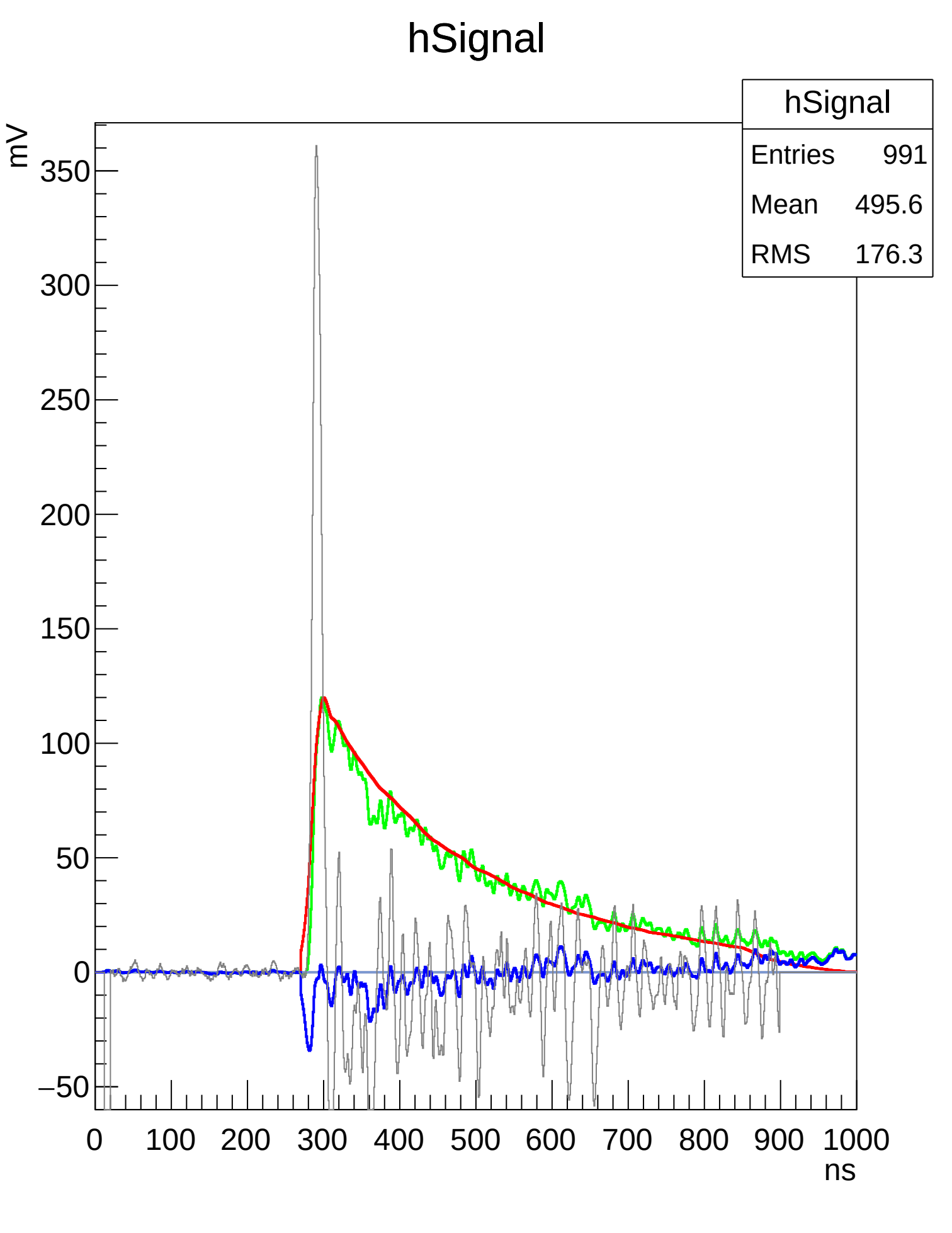

hSignal
hSignal
Entries 991
Mean 539
RMS 171.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

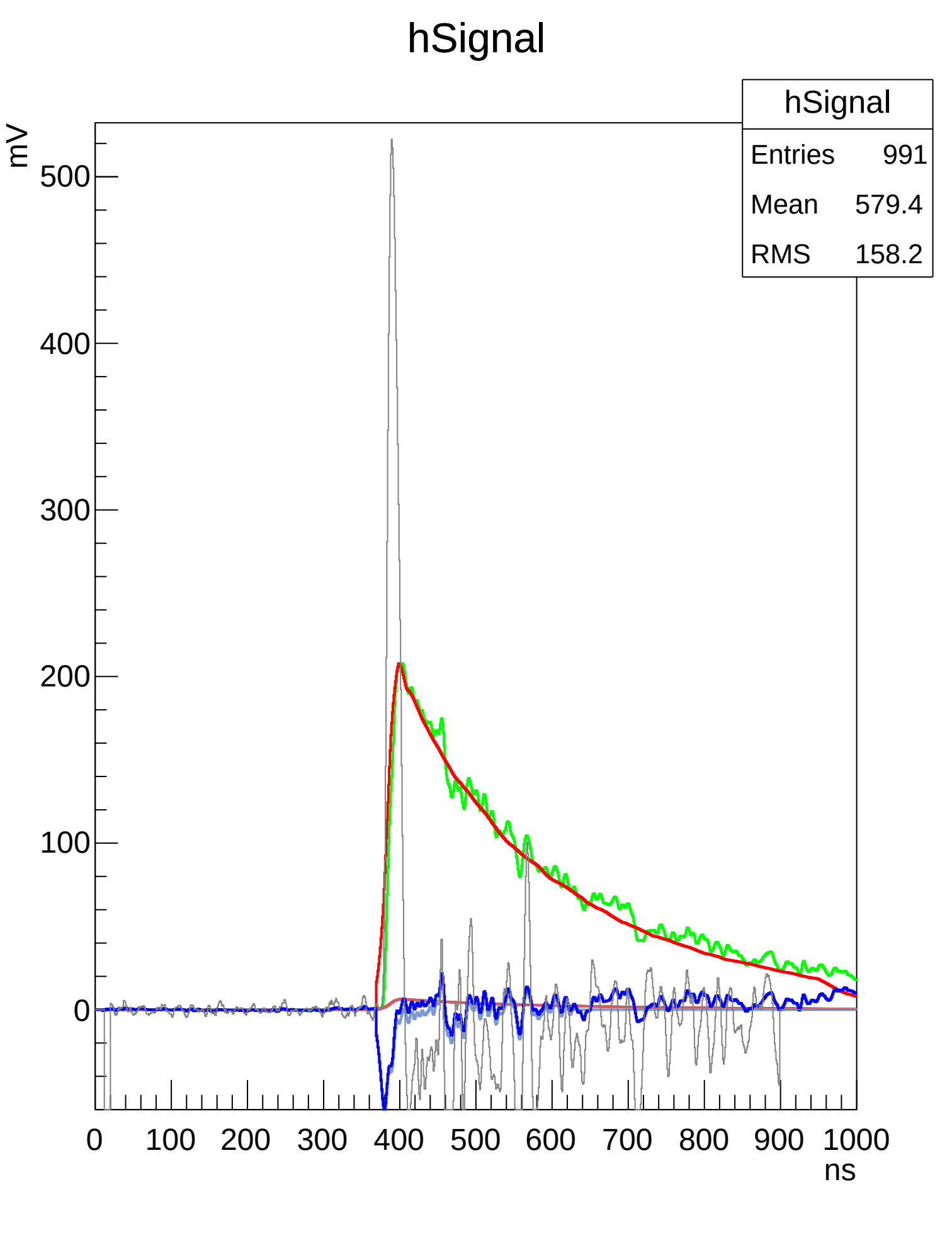

hSignal
hSignal
Entries 991
Mean 578
RMS 145.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

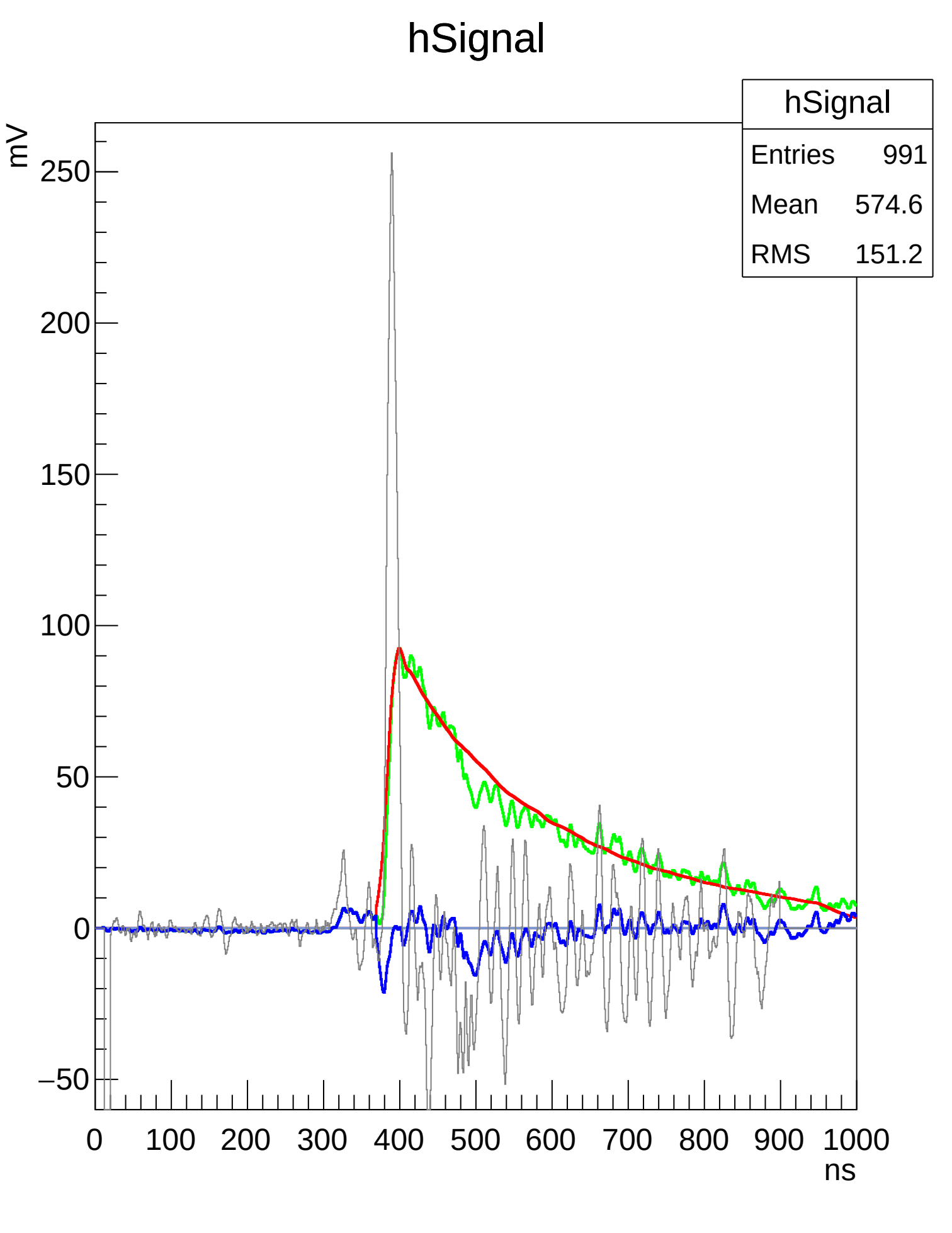

hSignal
hSignal
Entries 991
Mean 494.7
RMS 177.1
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

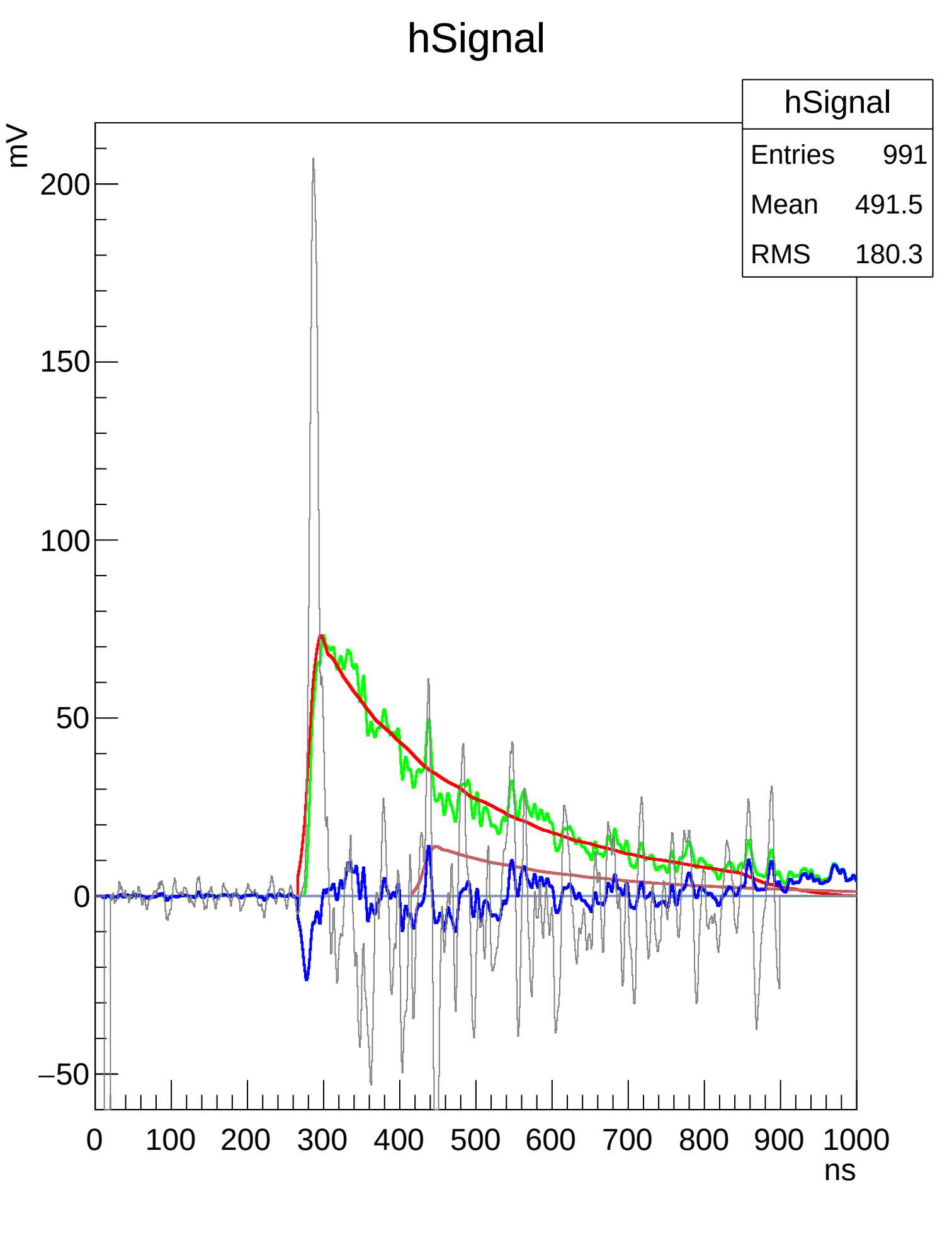

hSignal
hSignal
Entries 991
Mean 493.7
RMS 178.9
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

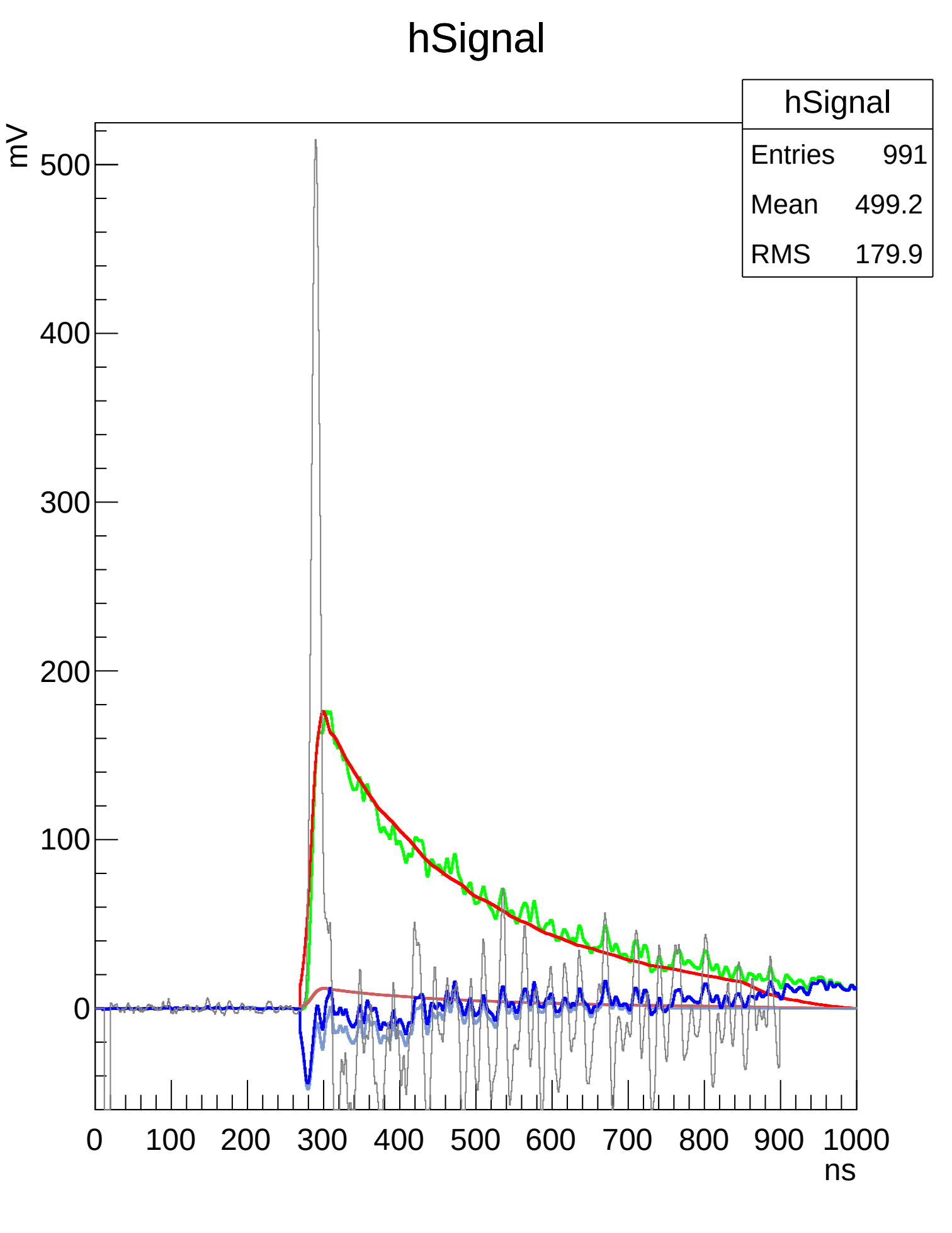

hSignal
hSignal
Entries 991
Mean 517.4
RMS 170.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

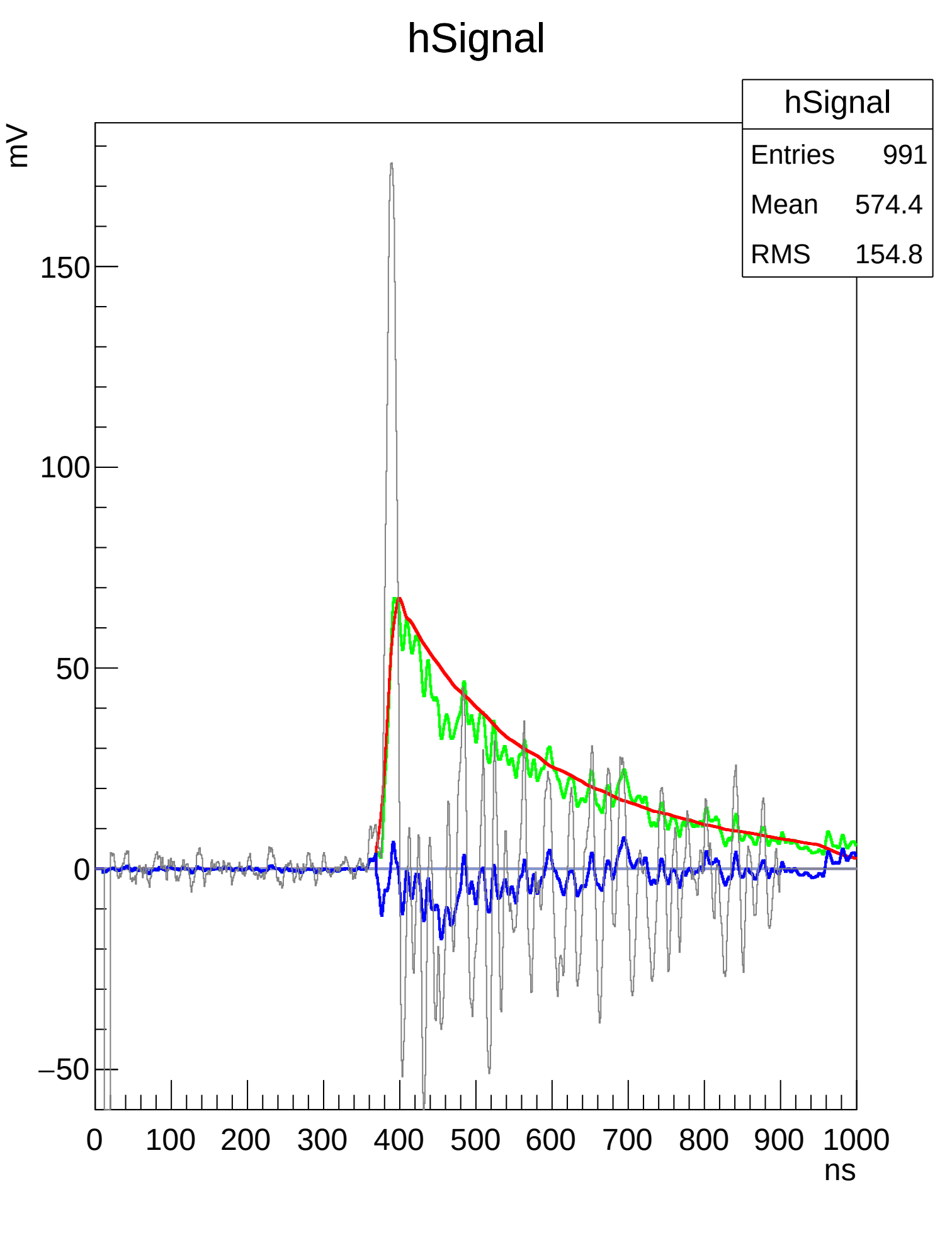

hSignal
hSignal
Entries 991
Mean 495.6
RMS 176.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

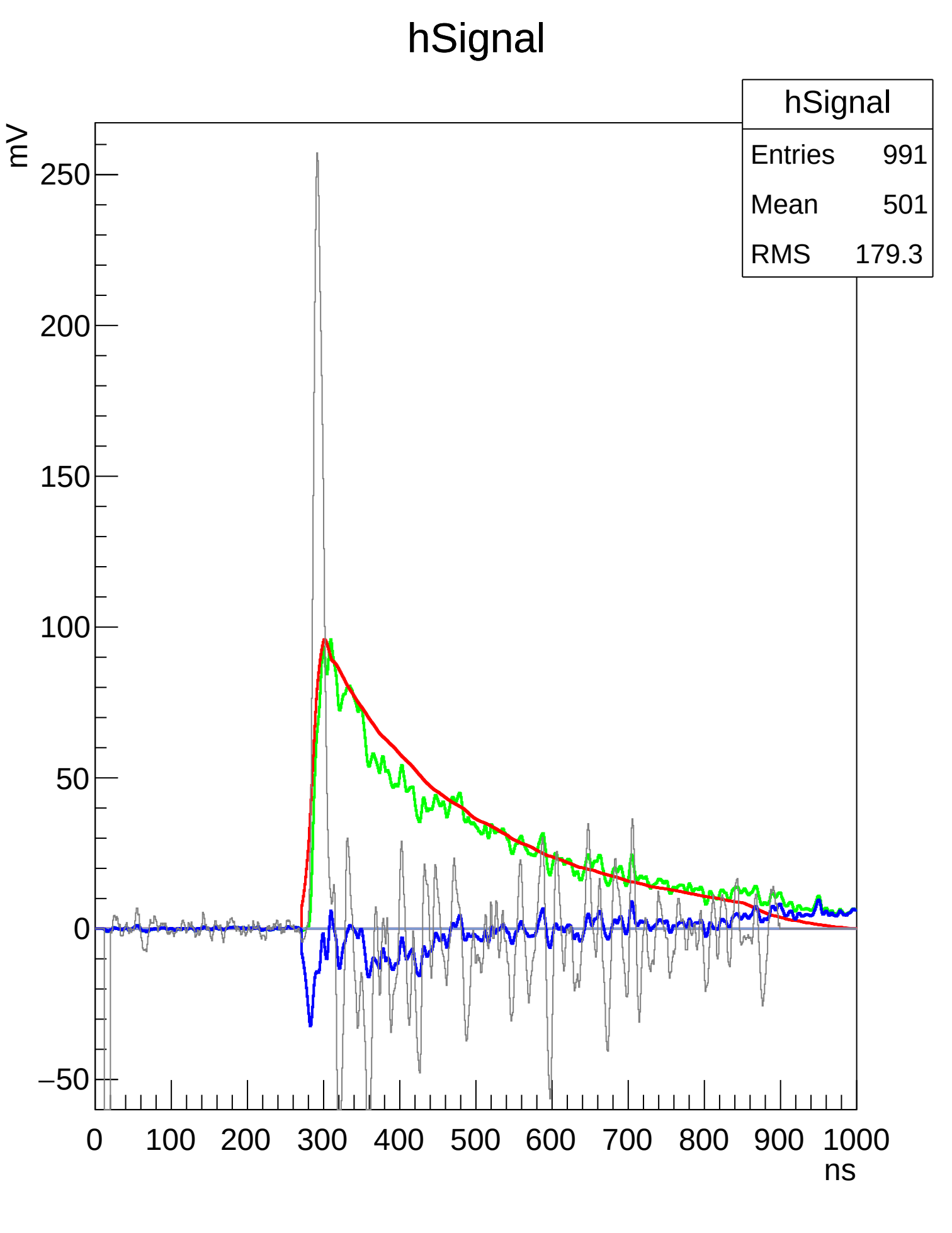

hSignal
hSignal
Entries 991
Mean 579.4
RMS 158.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

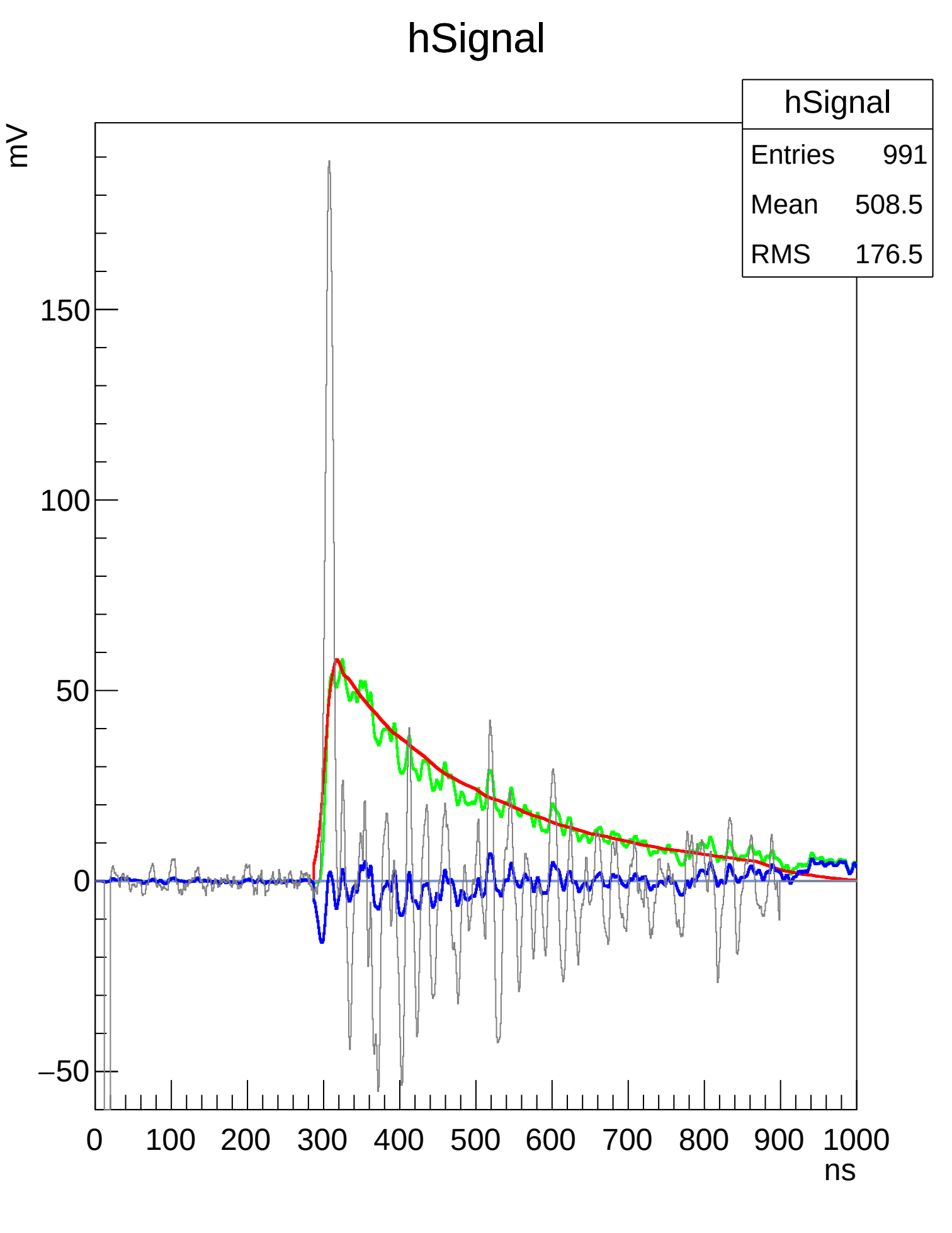

hSignal
hSignal
Entries 991
Mean 574.6
RMS 151.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

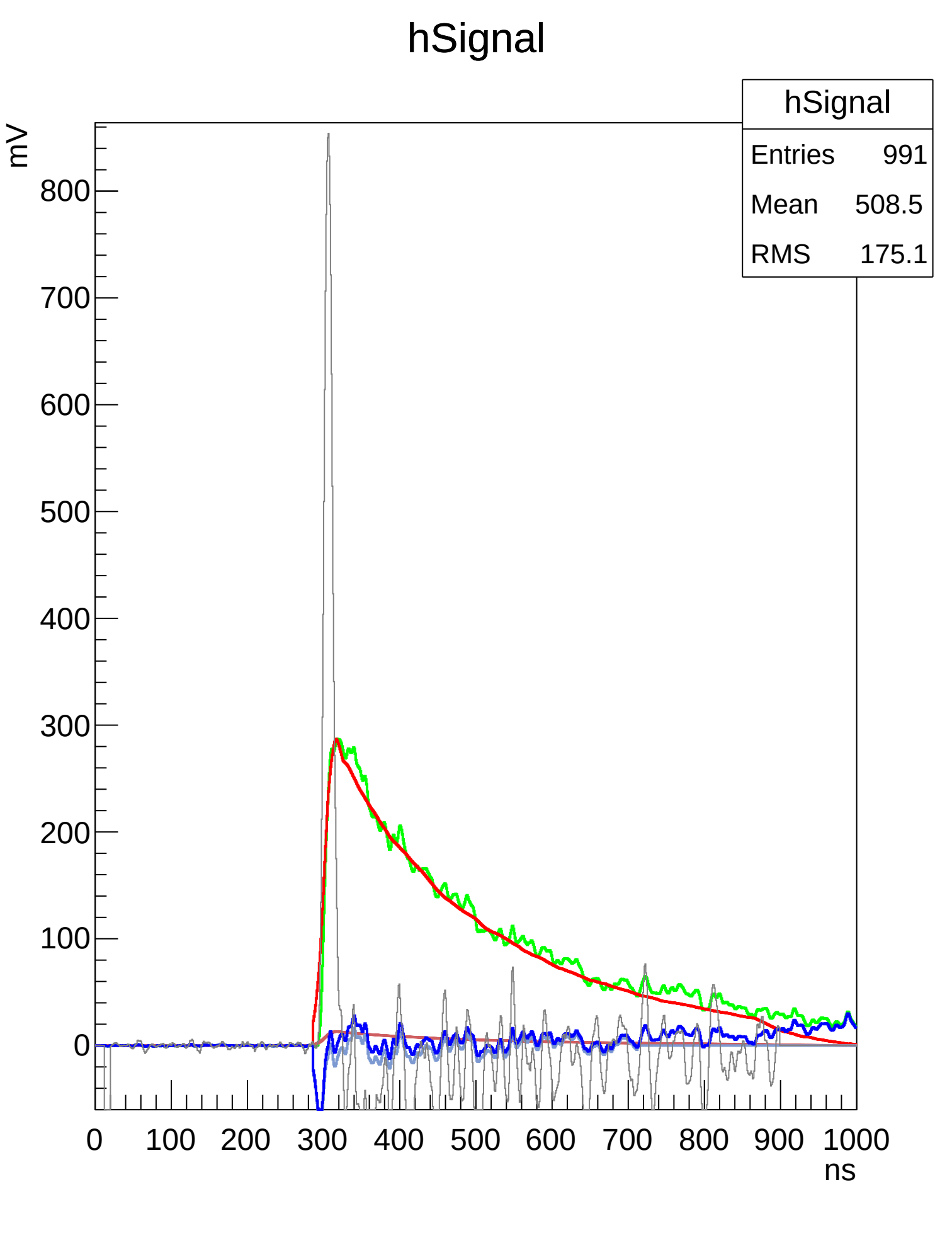

hSignal
hSignal
Entries 991
Mean 491.5
RMS 180.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

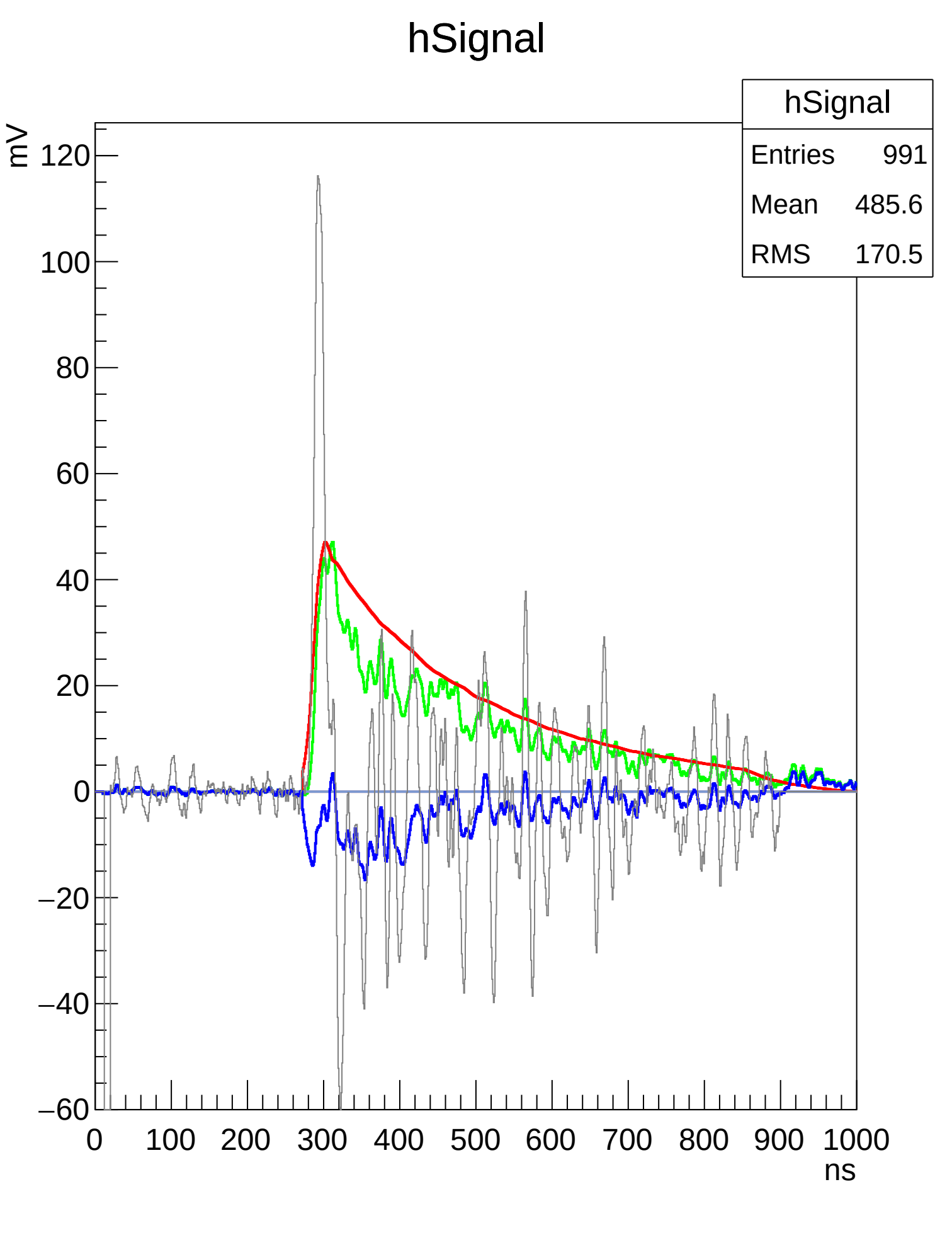

hSignal
hSignal
Entries 991
Mean 499.2
RMS 179.9
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

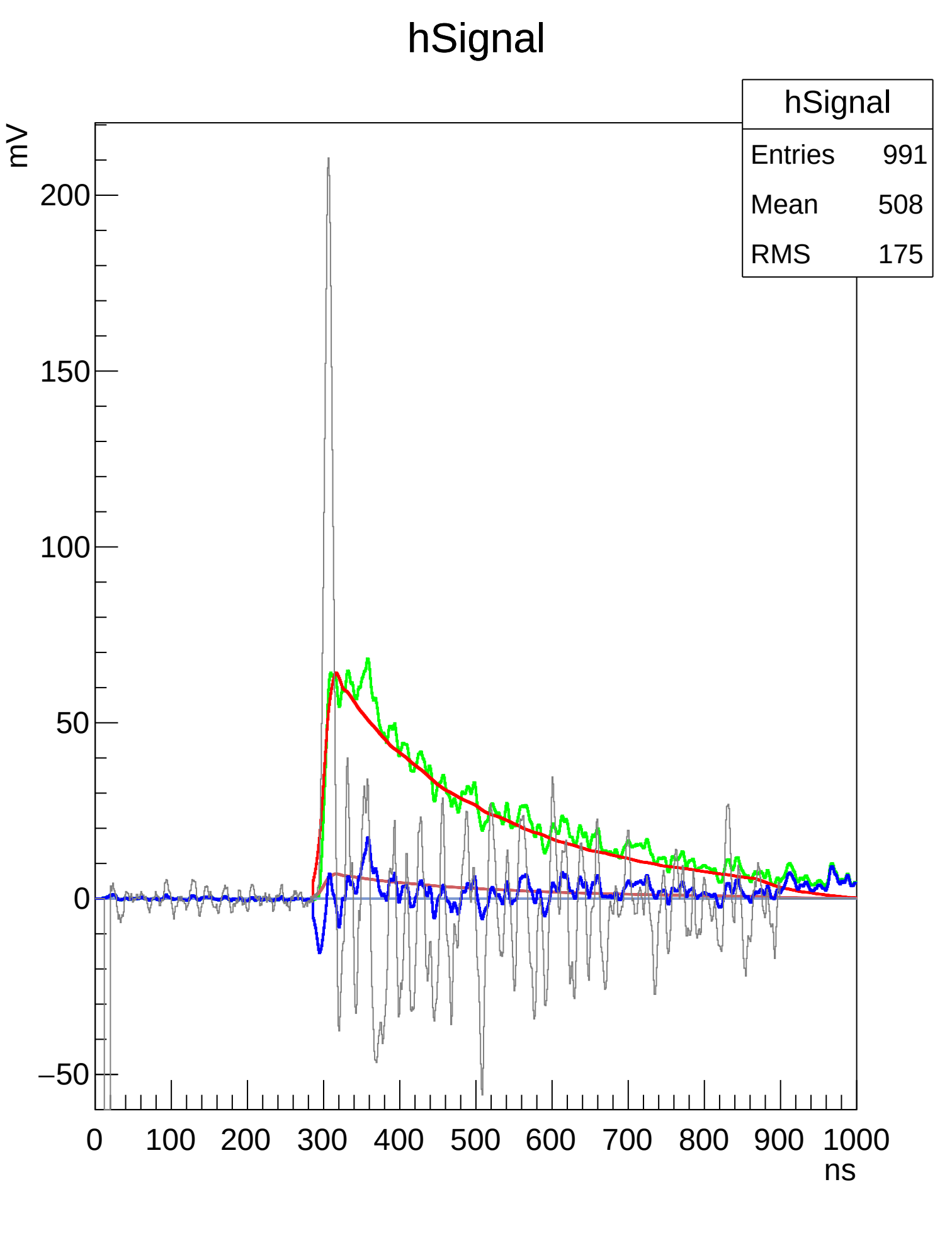

hSignal
hSignal
Entries 991
Mean 574.4
RMS 154.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

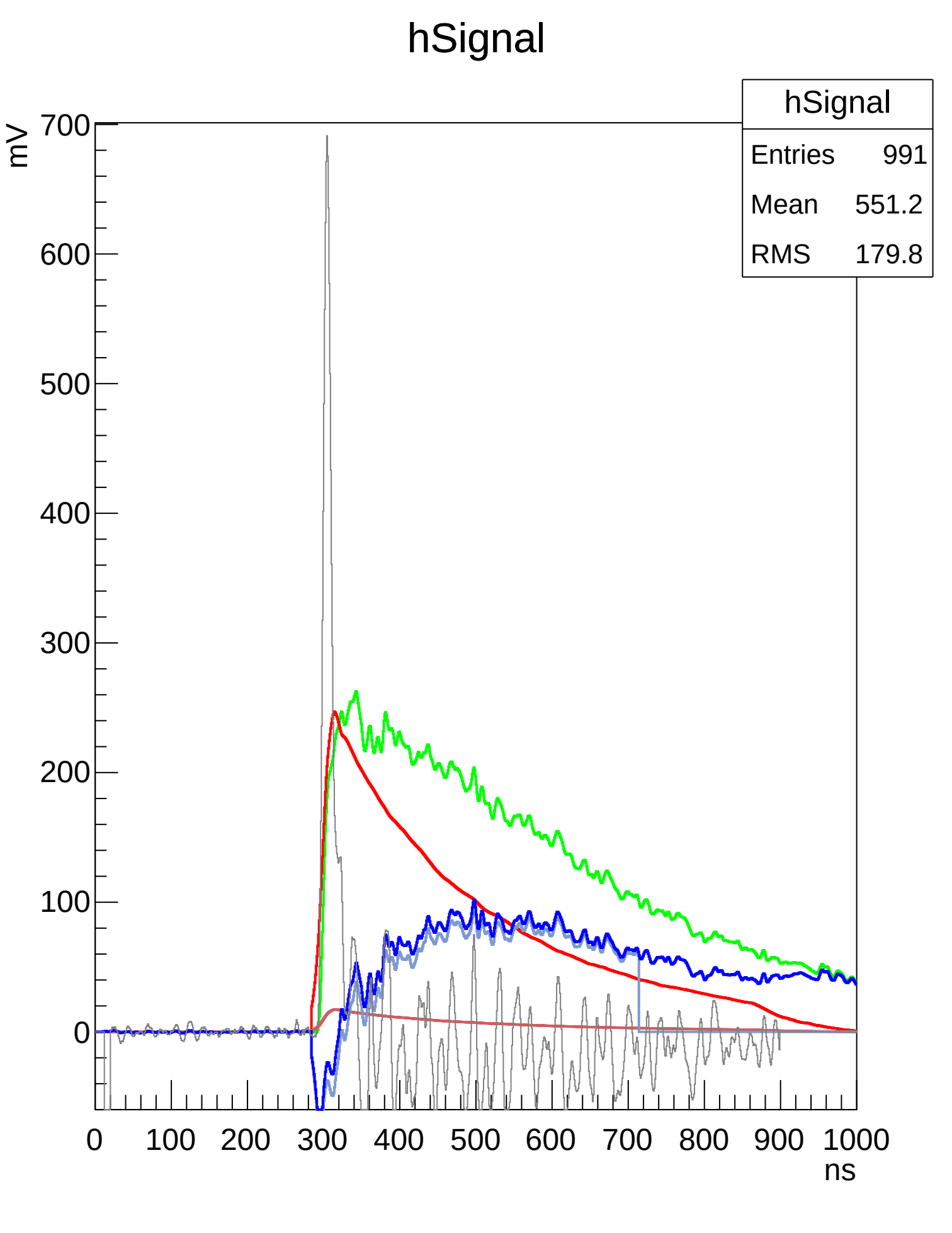

hSignal
hSignal
Entries 991
Mean 501
RMS 179.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

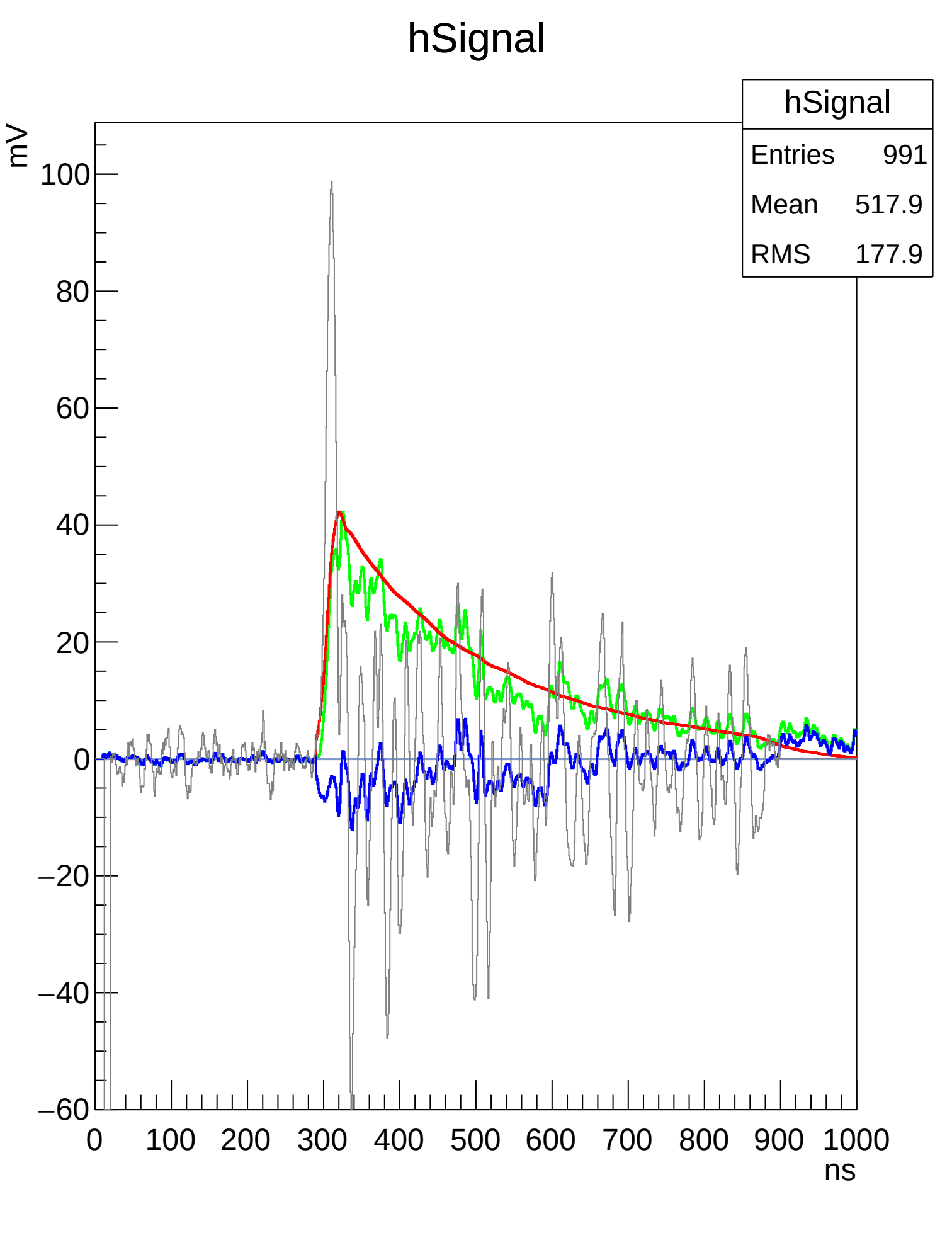

hSignal
hSignal
Entries 991
Mean 508.5
RMS 176.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

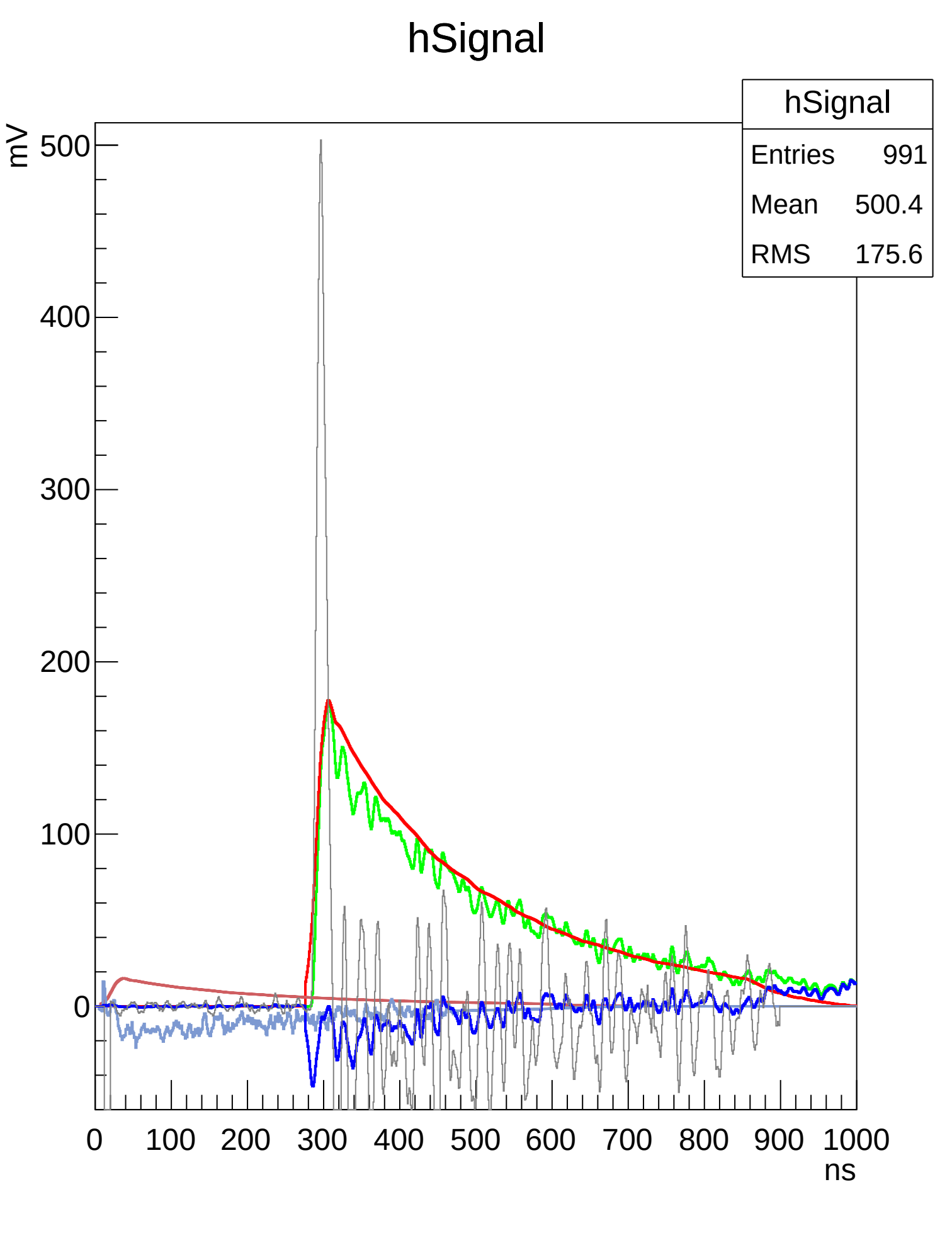

hSignal
hSignal
Entries 991
Mean 508.5
RMS 175.1
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

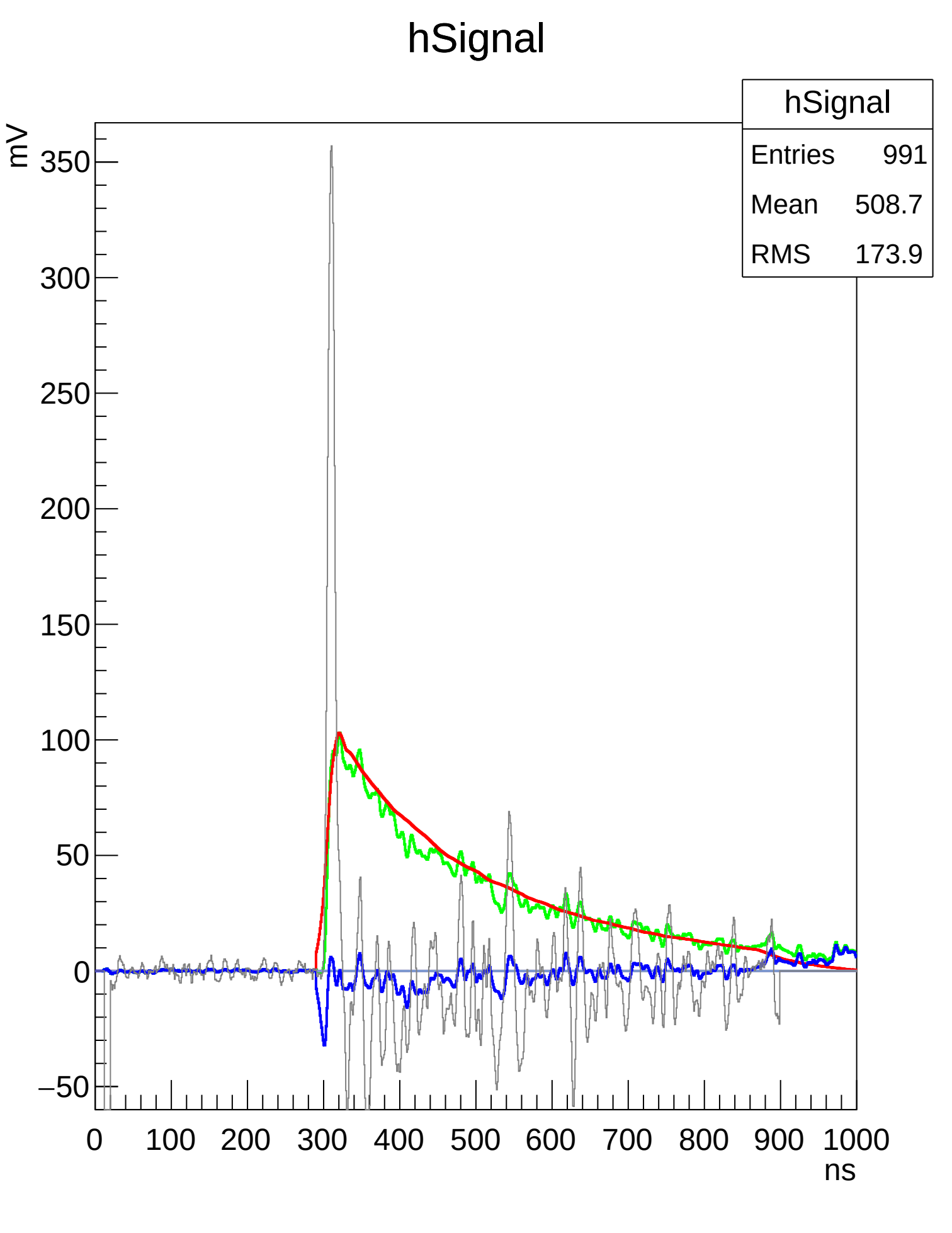

hSignal
hSignal
Entries 991
Mean 485.6
RMS 170.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

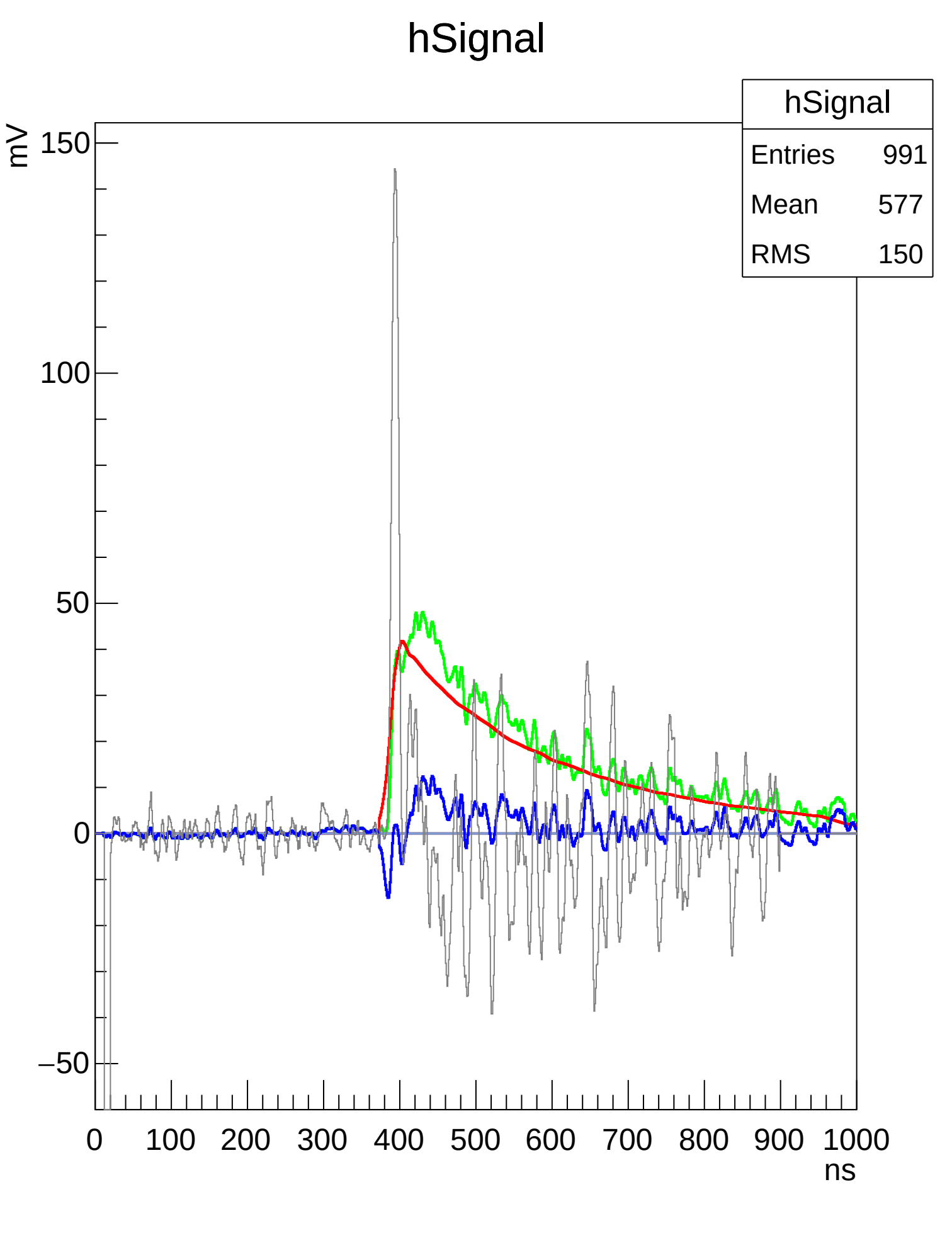

hSignal
hSignal
Entries 991
Mean 508
RMS 175
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

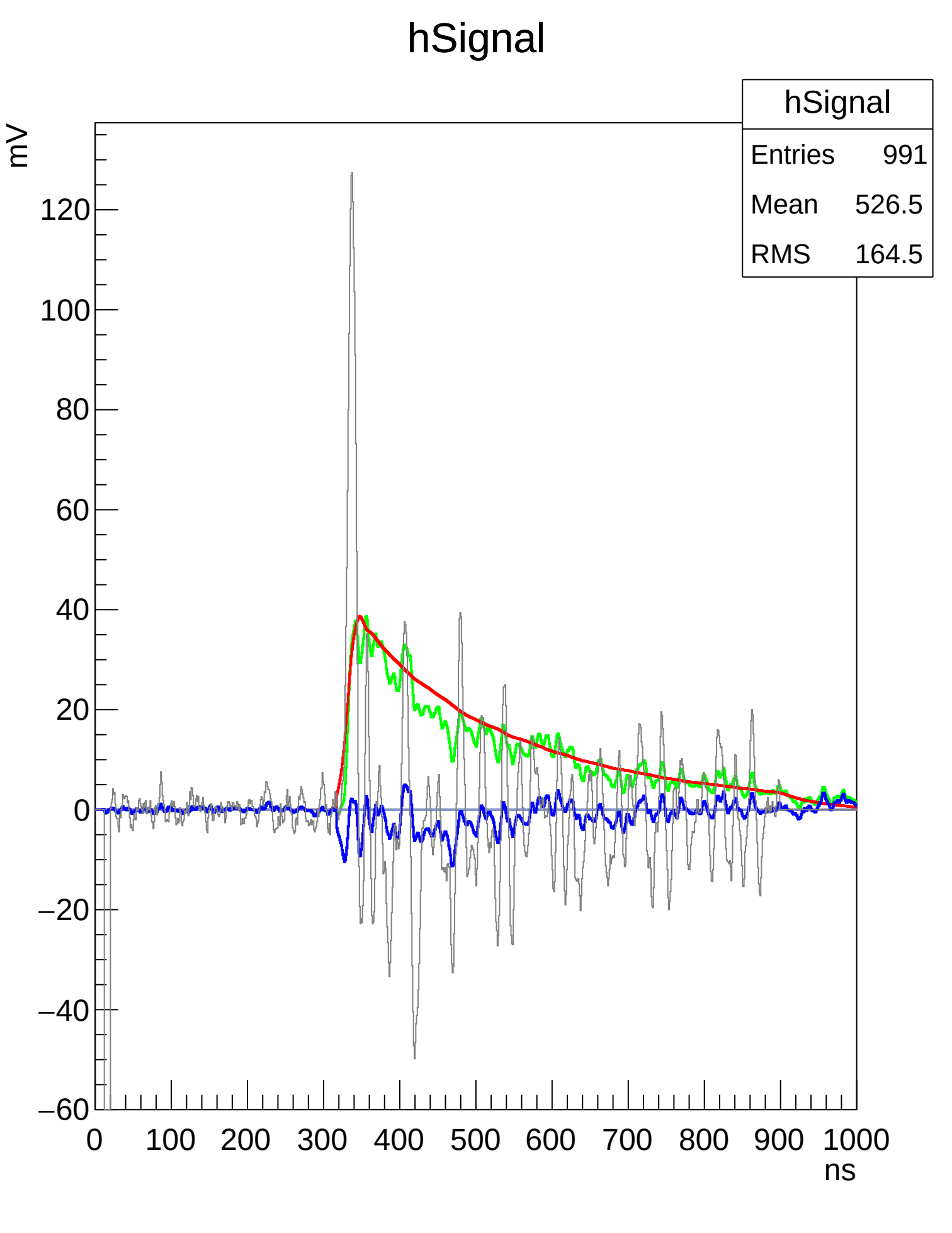

hSignal
hSignal
Entries 991
Mean 551.2
RMS 179.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

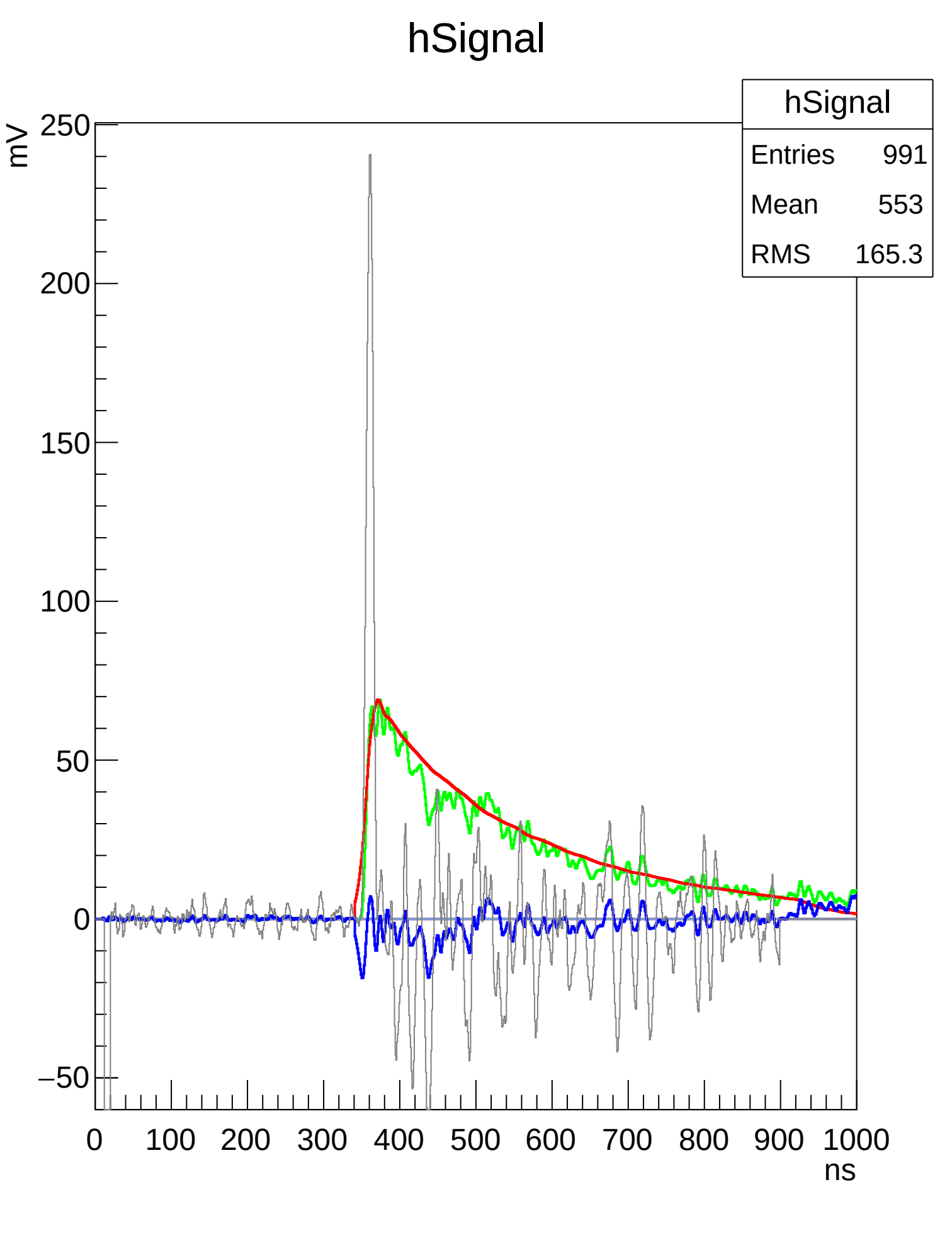

hSignal
hSignal
Entries 991
Mean 517.9
RMS 177.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

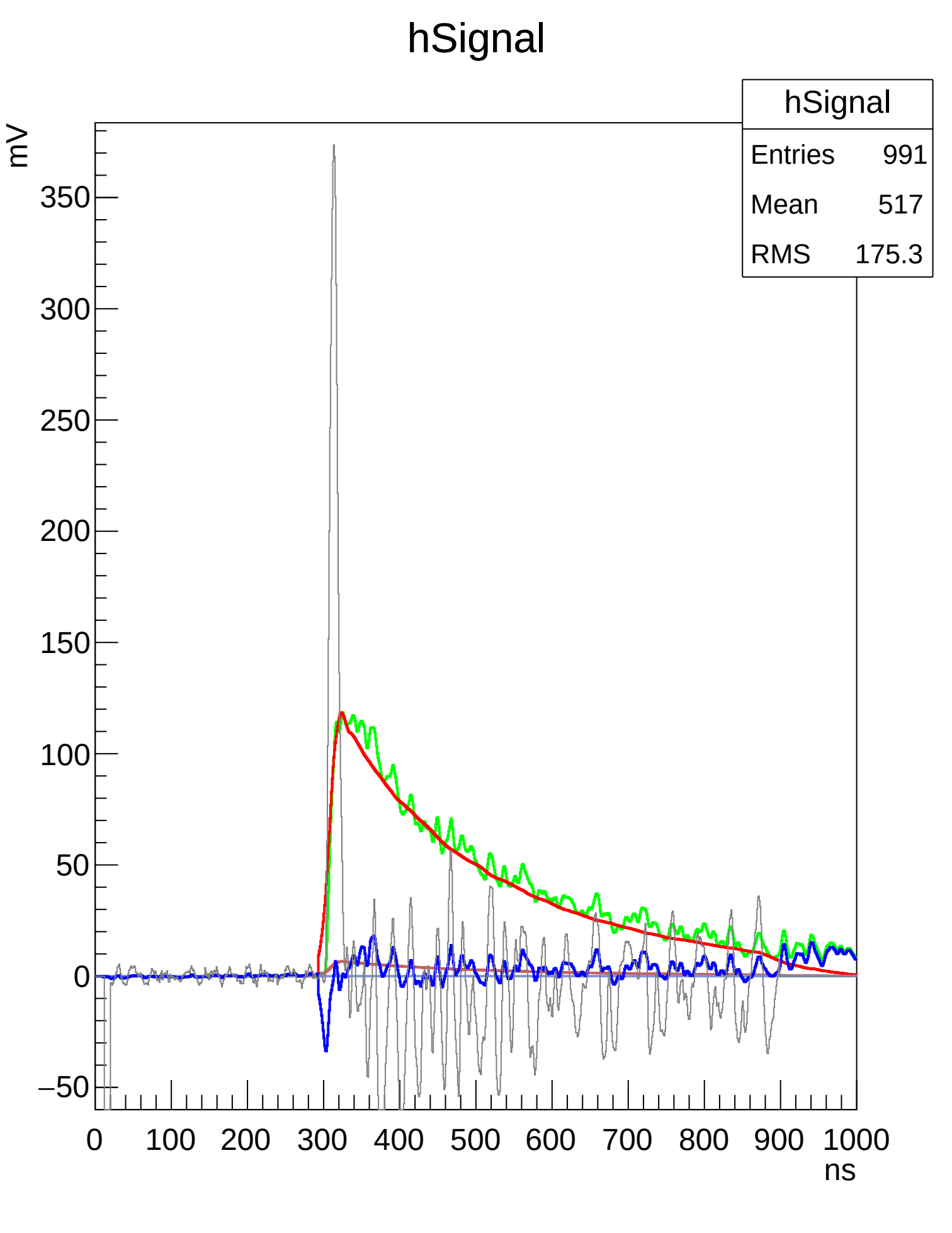

hSignal
hSignal
Entries 991
Mean 500.4
RMS 175.6
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

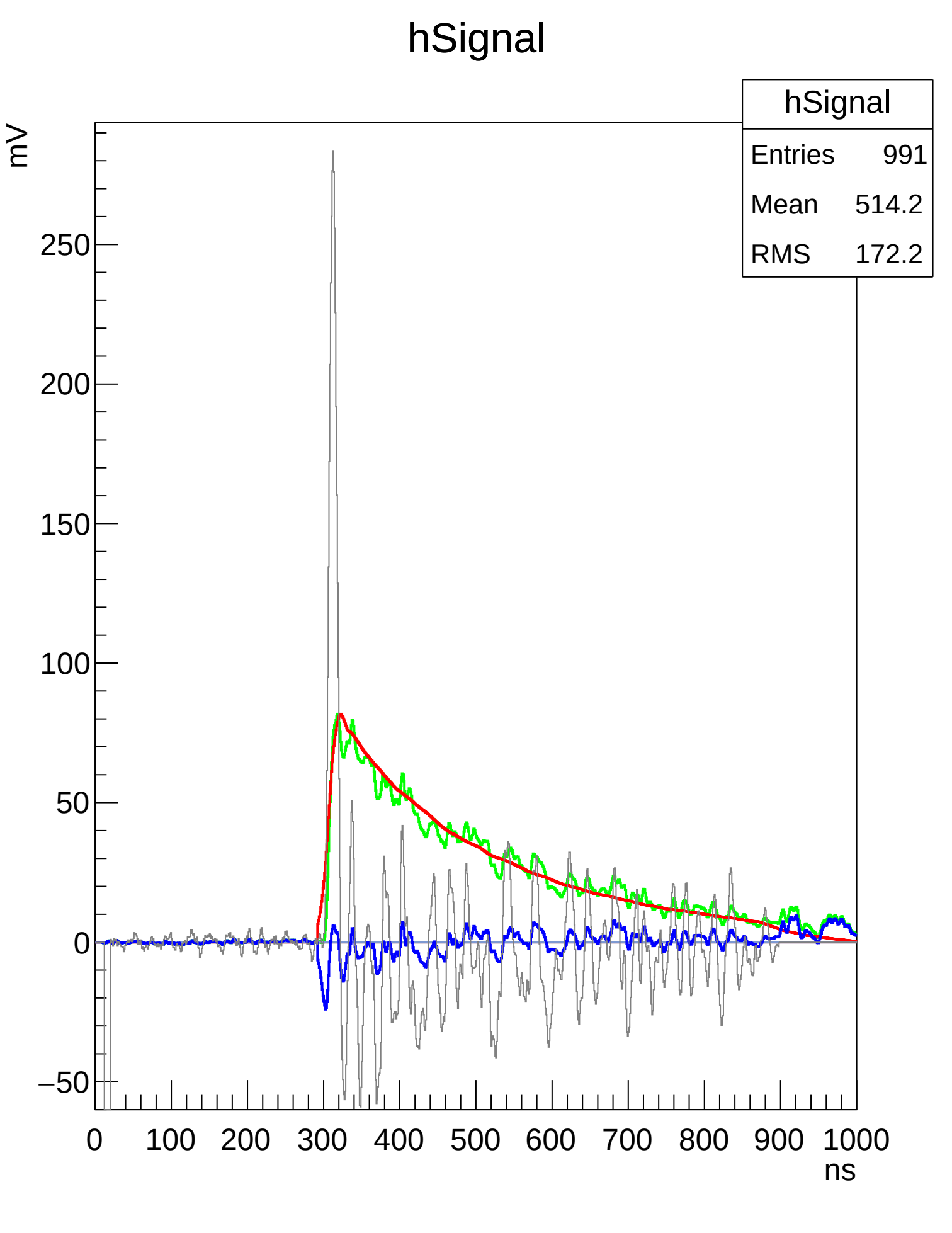

hSignal
hSignal
Entries 991
Mean 508.7
RMS 173.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

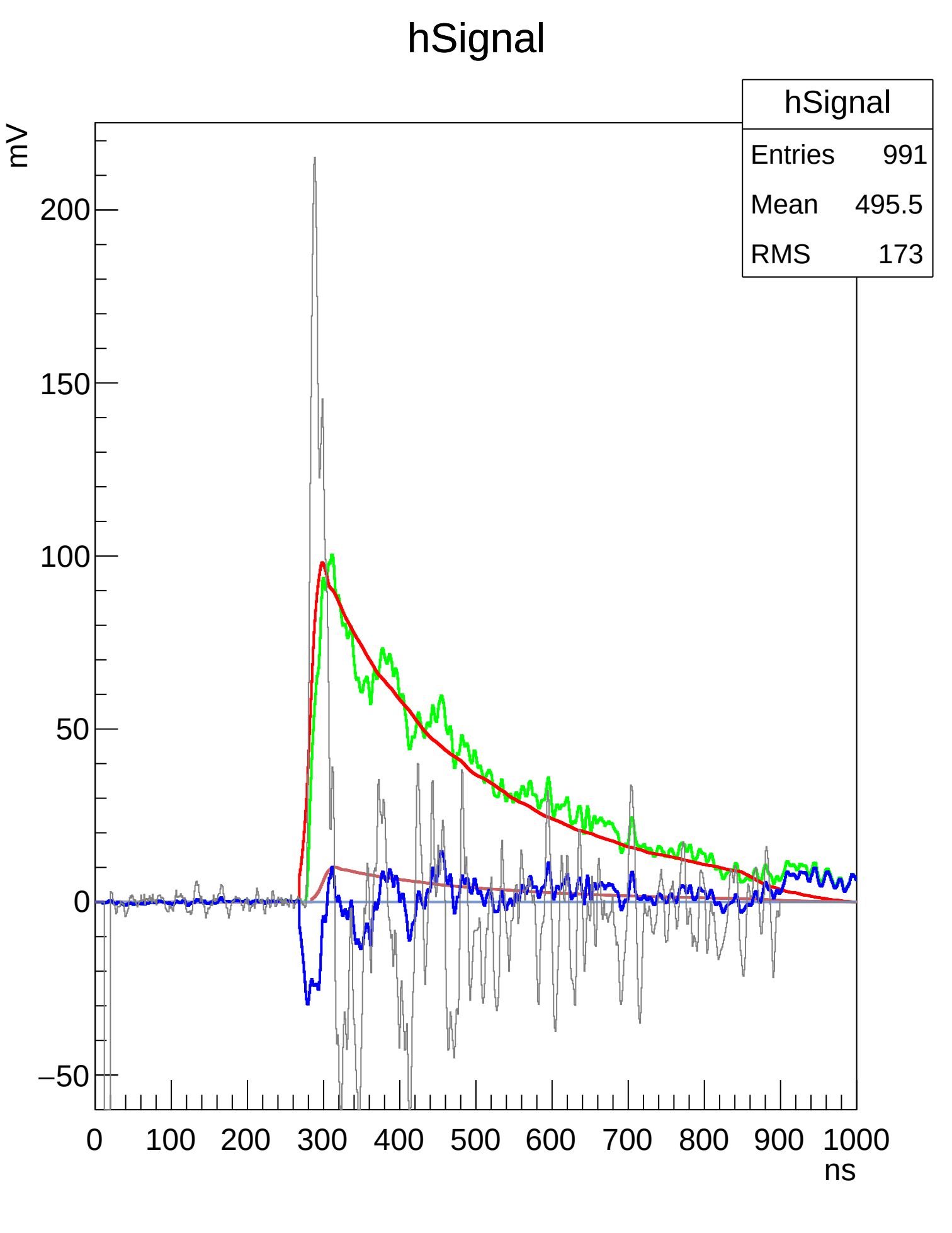

hSignal
hSignal
Entries 991
Mean 577
RMS 150
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

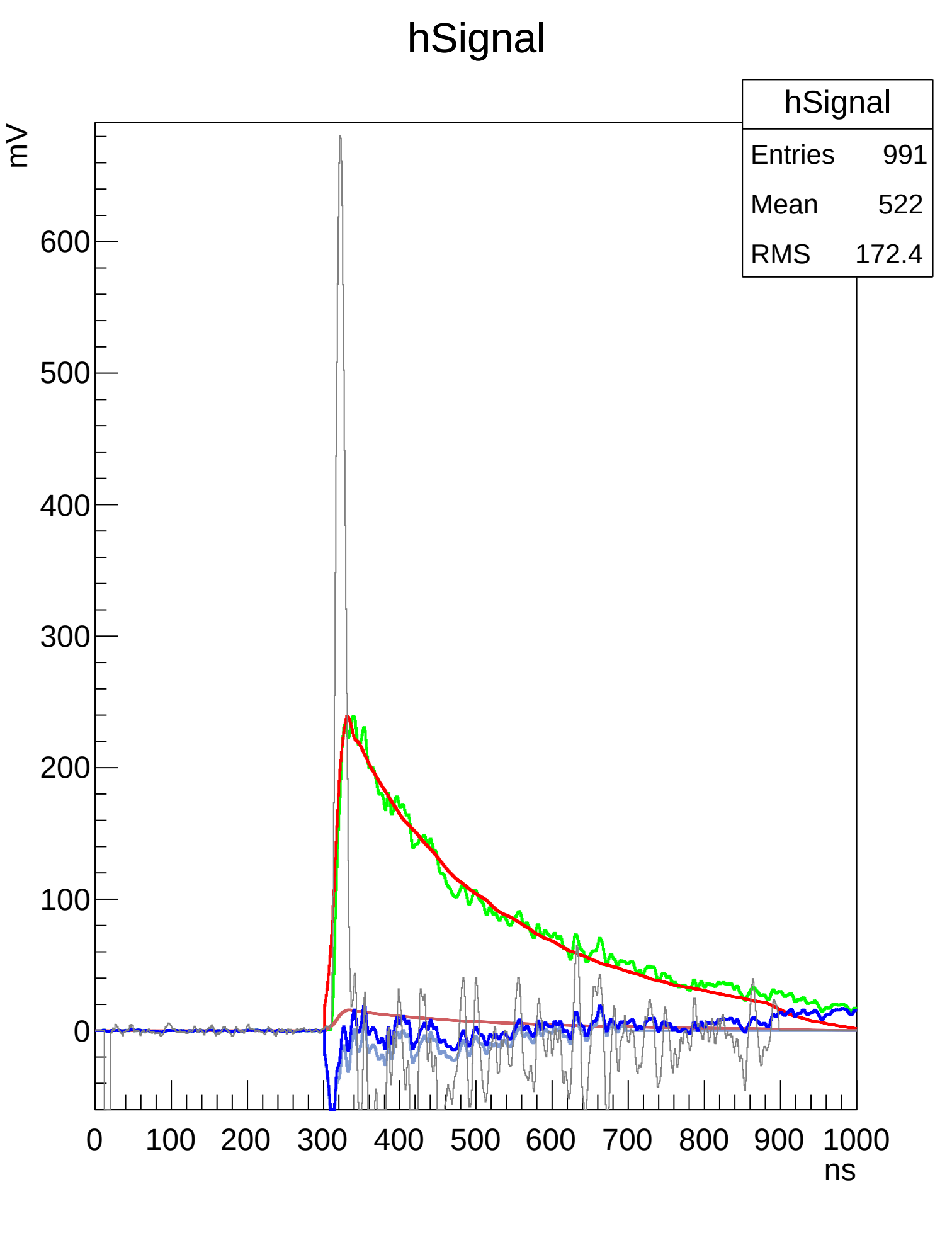

hSignal
hSignal
Entries 991
Mean 526.5
RMS 164.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

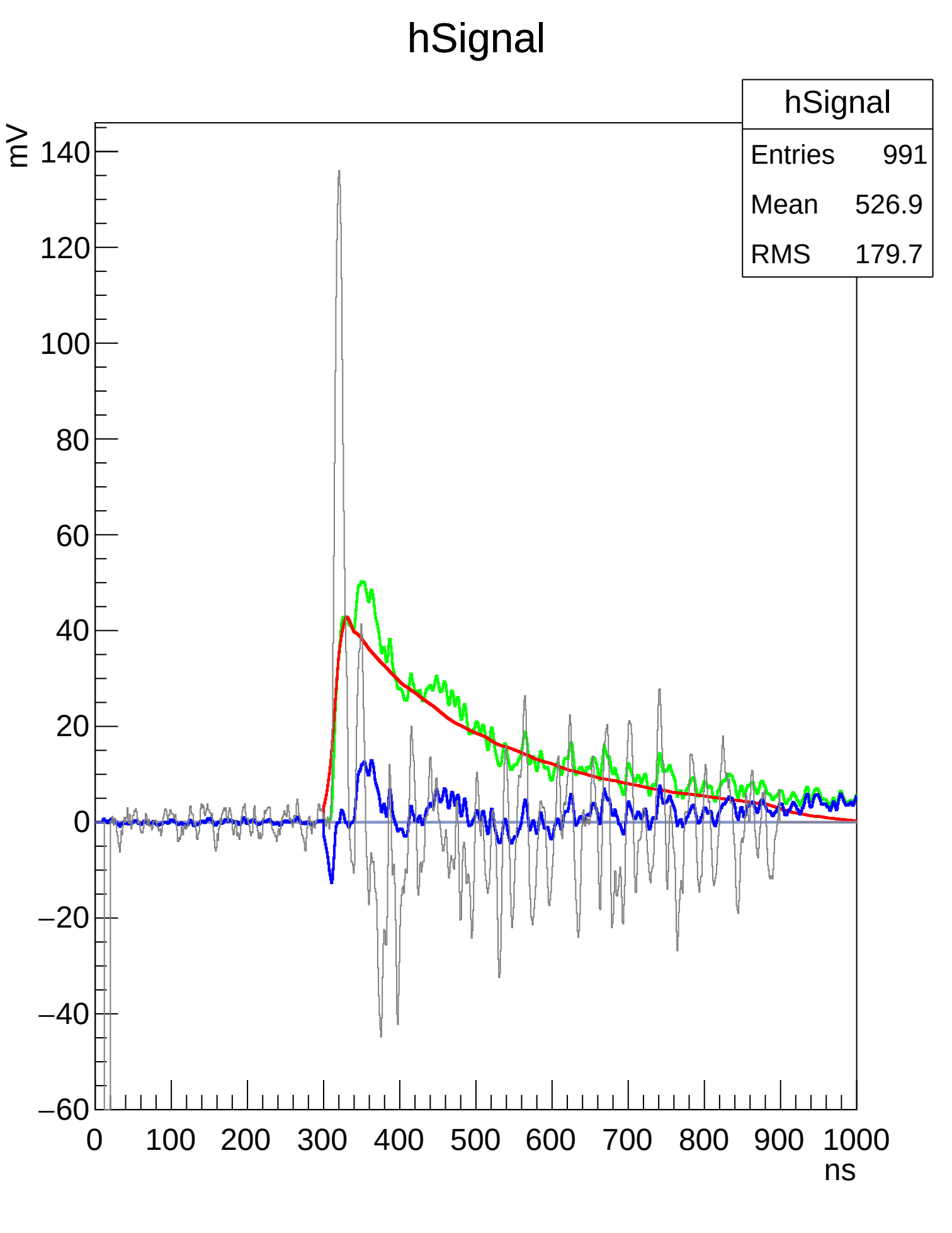

hSignal
hSignal
Entries 991
Mean 553
RMS 165.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

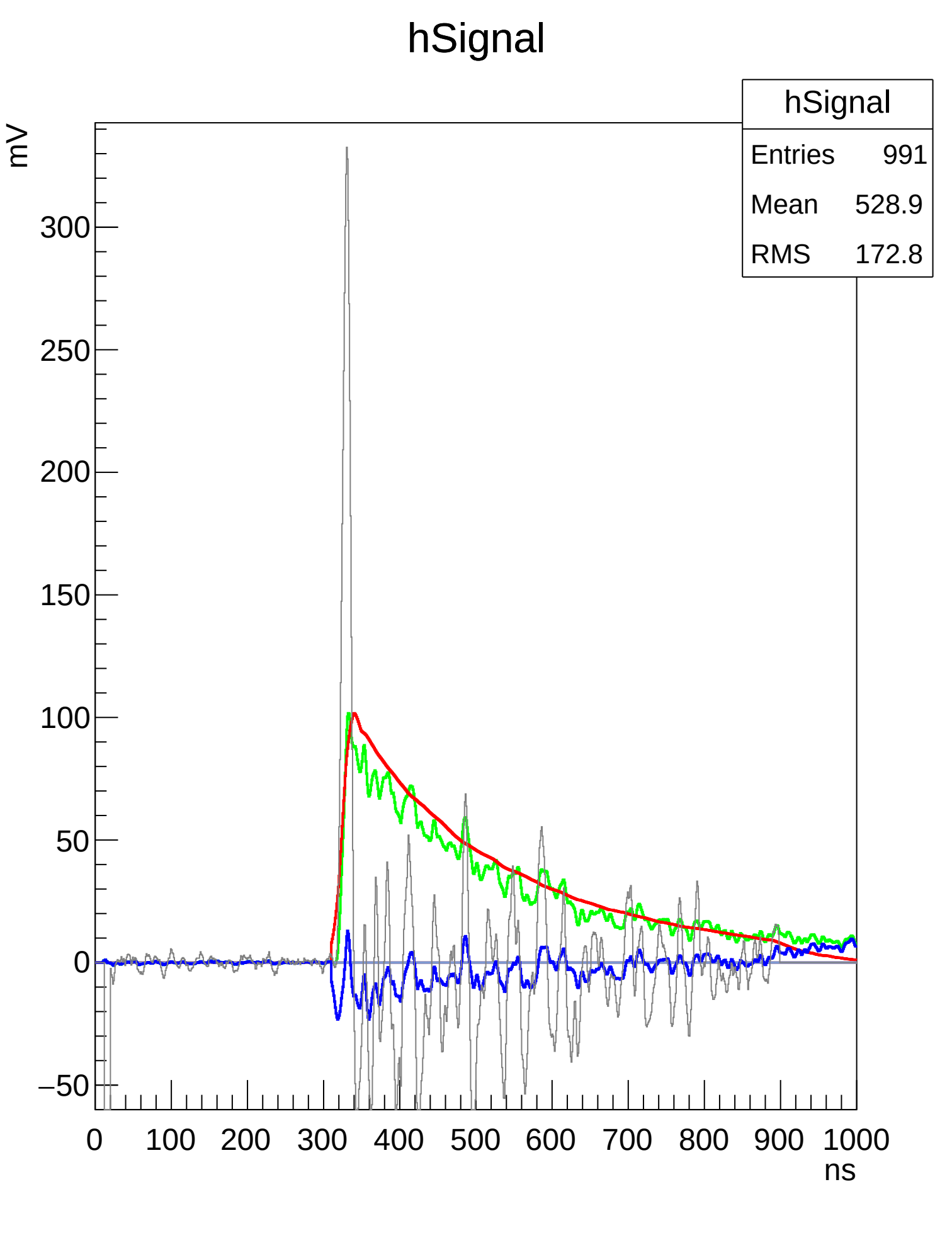

hSignal
hSignal
Entries 991
Mean 517
RMS 175.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

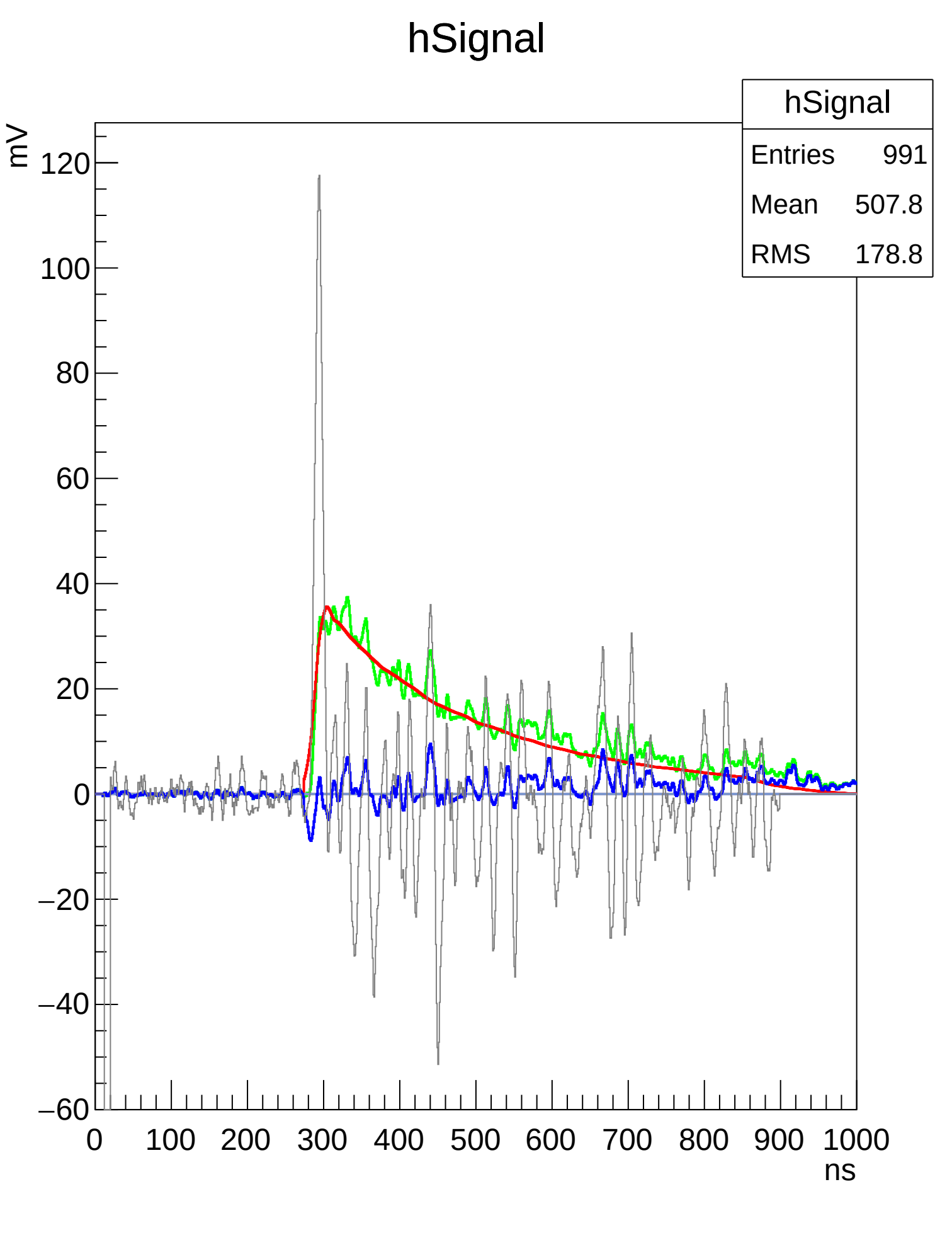

hSignal
hSignal
Entries 991
Mean 514.2
RMS 172.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

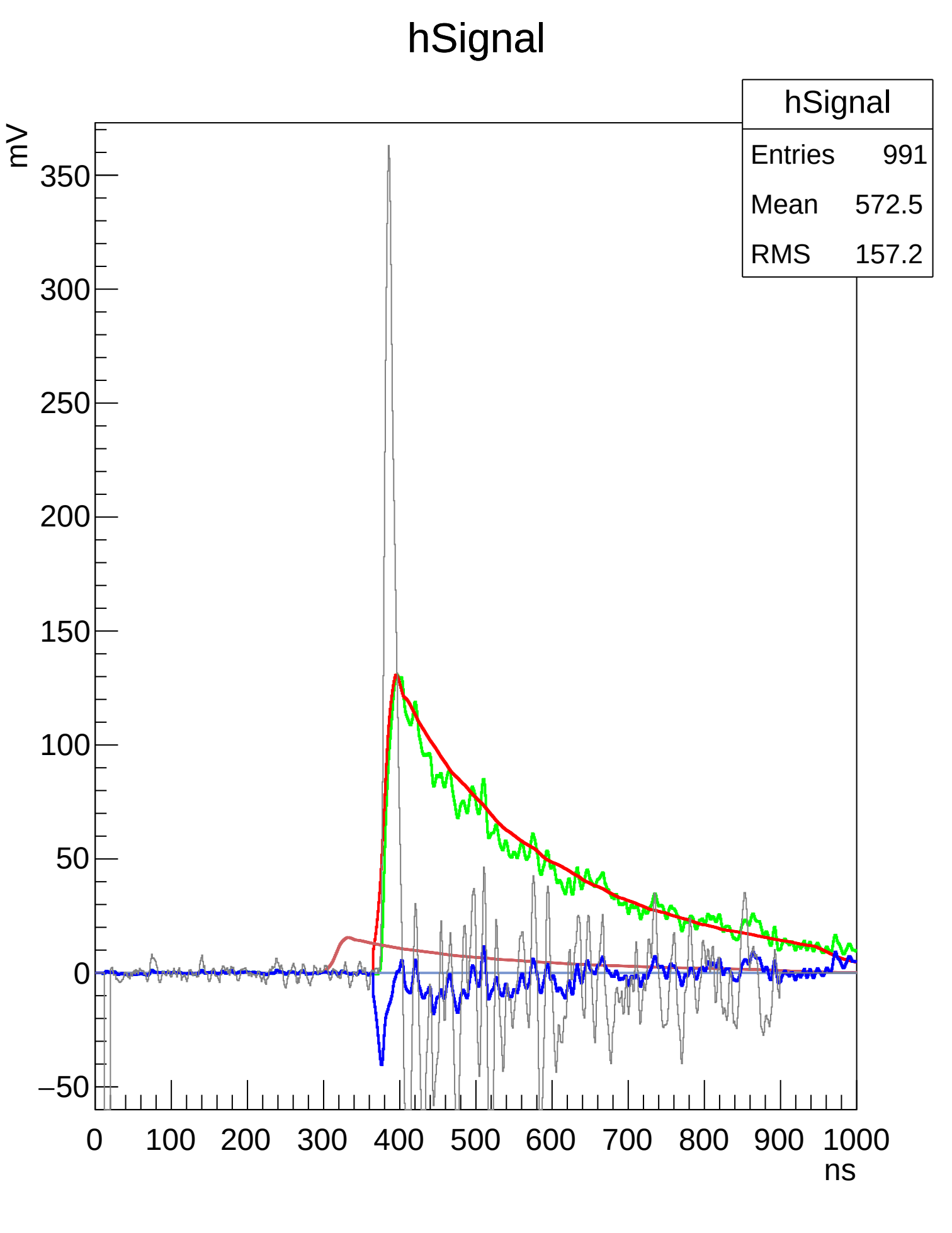

hSignal
hSignal
Entries 991
Mean 495.5
RMS 173
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

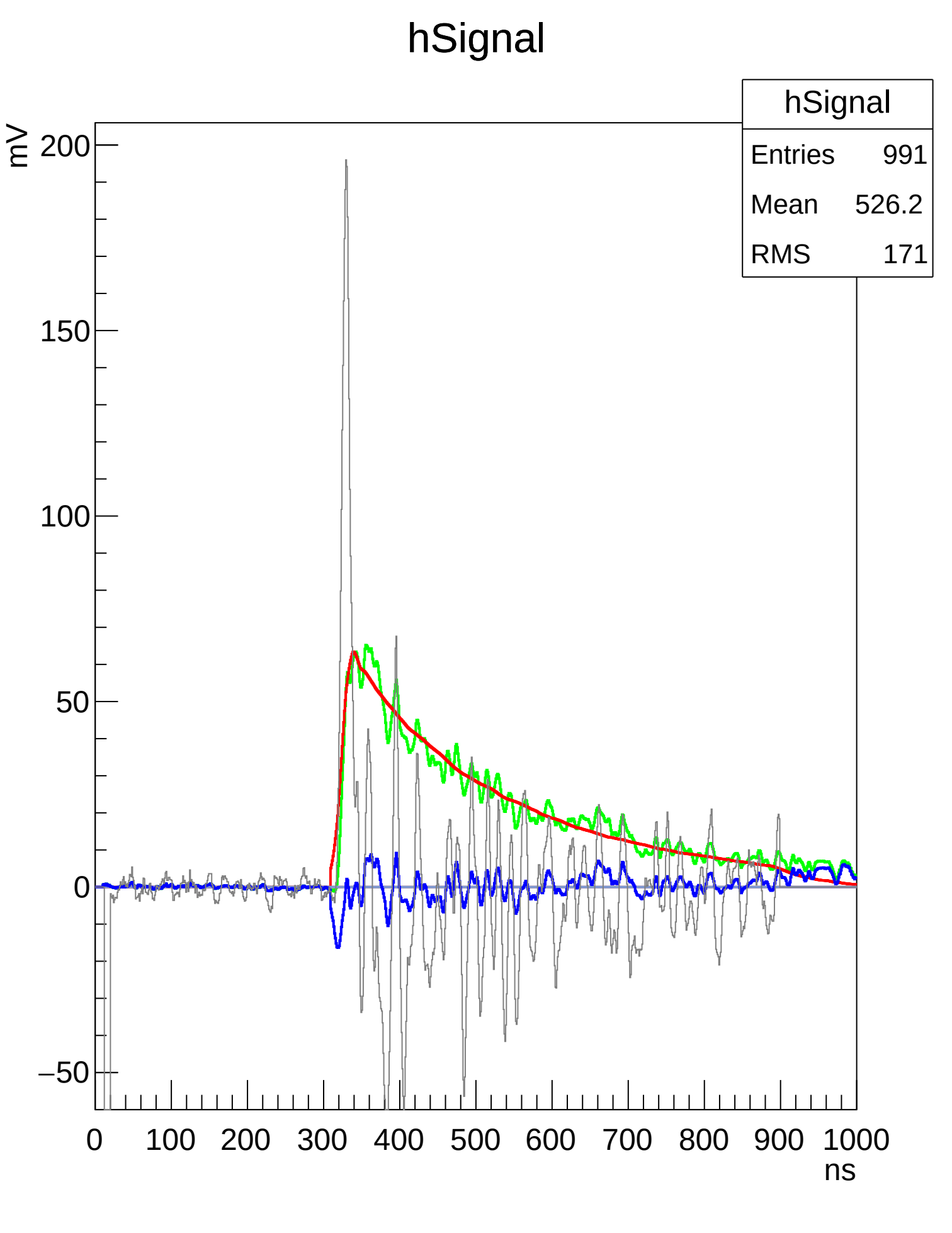

hSignal
hSignal
Entries 991
Mean 522
RMS 172.4
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

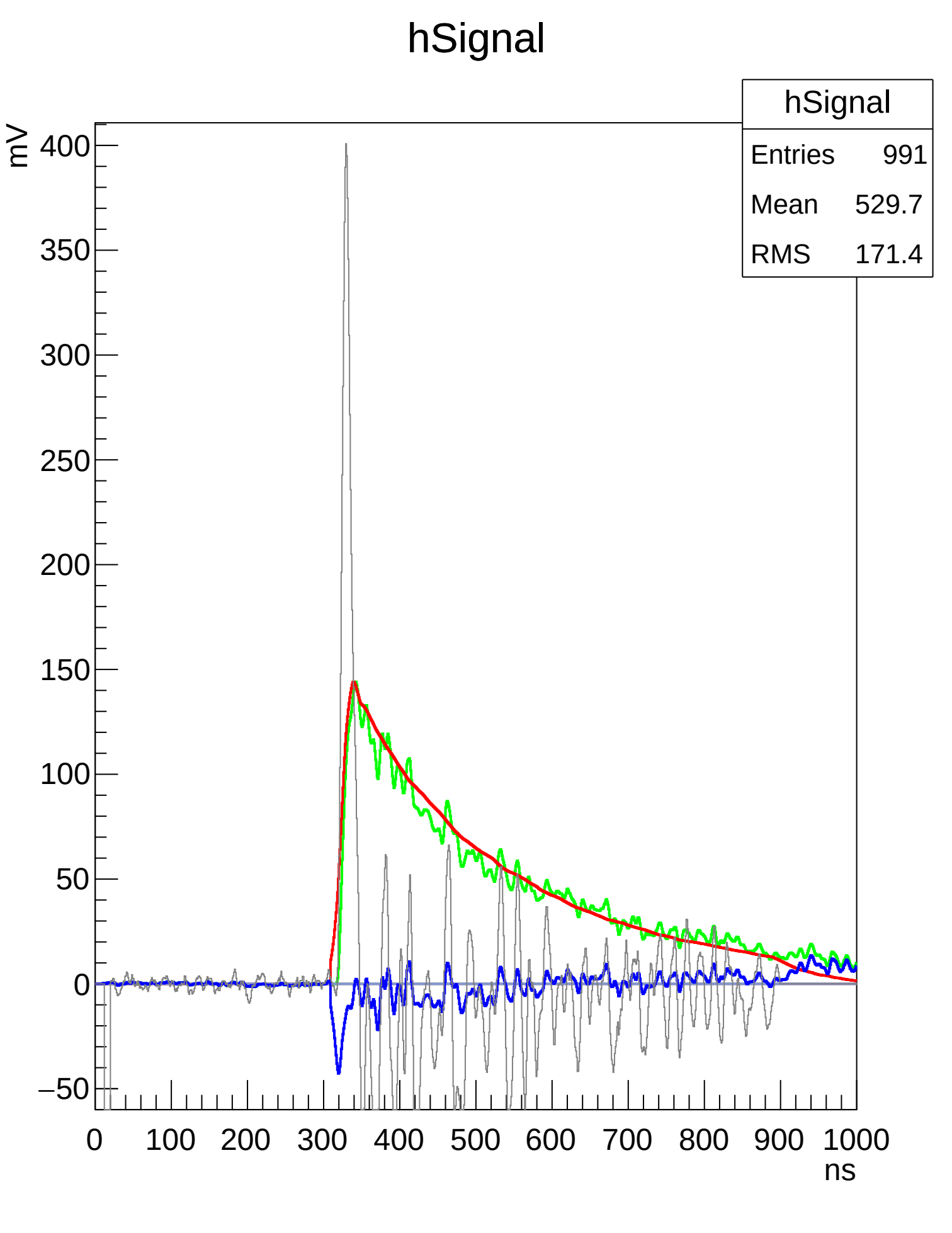

hSignal
hSignal
Entries 991
Mean 526.9
RMS 179.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

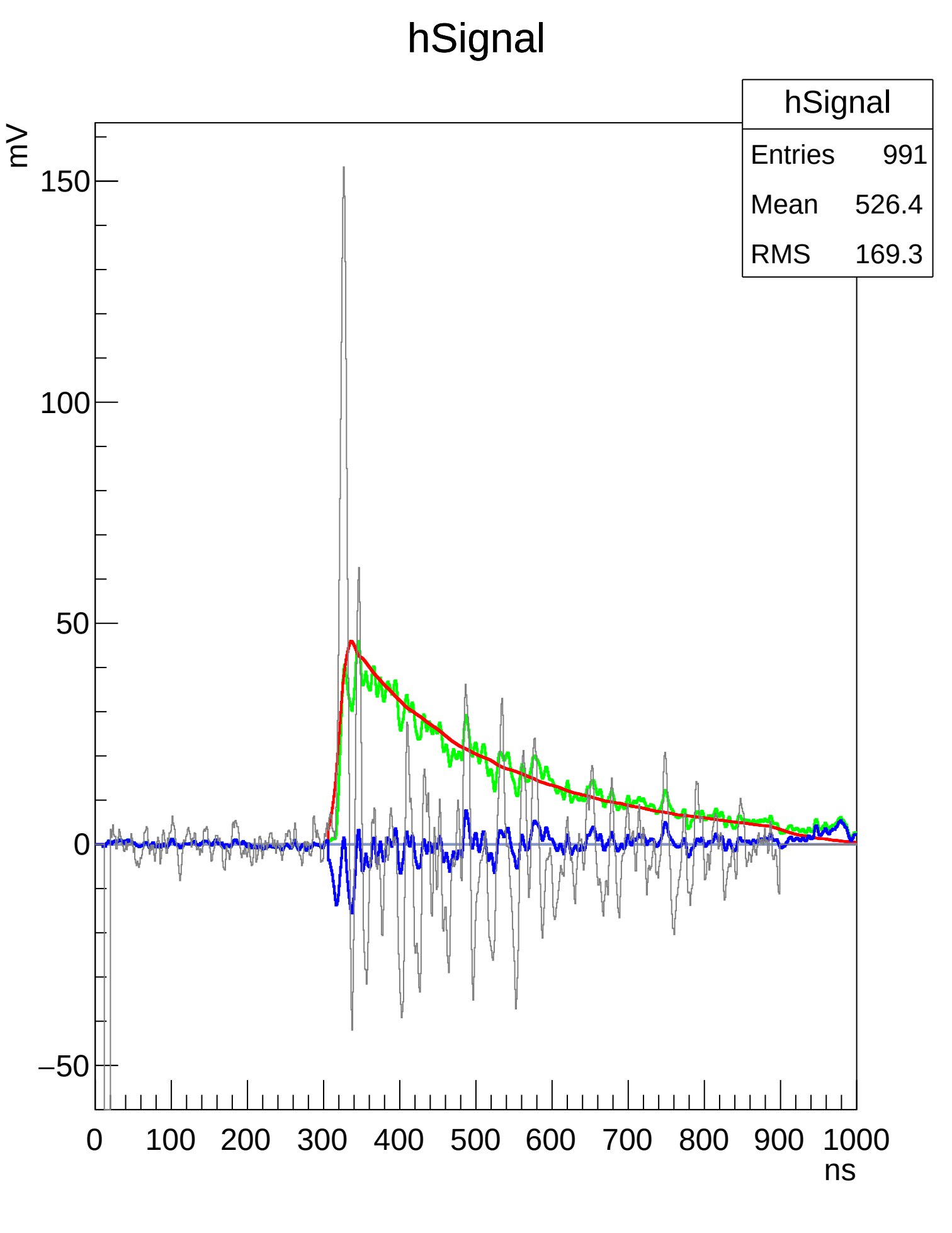

hSignal
hSignal
Entries 991
Mean 528.9
RMS 172.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

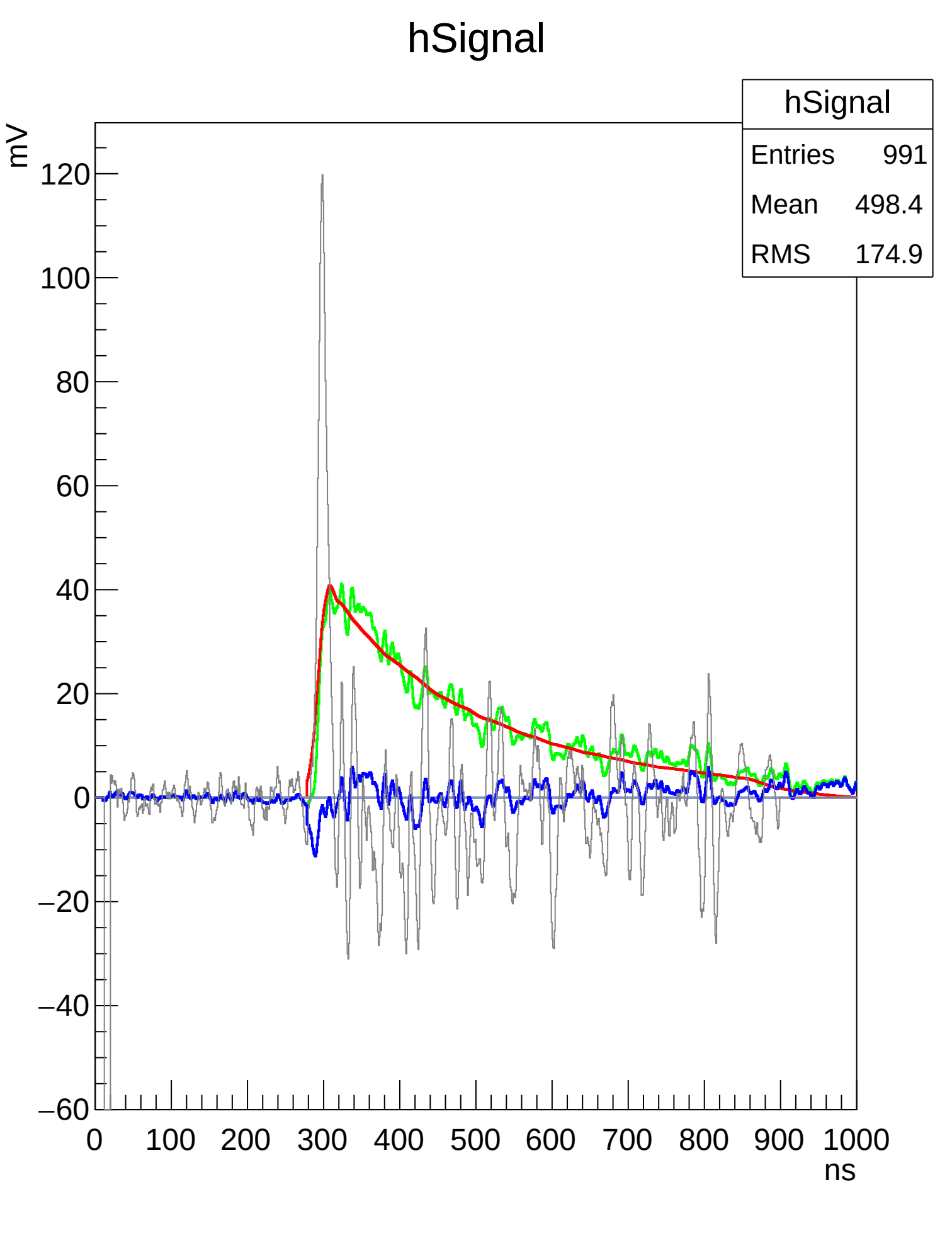

hSignal
hSignal
Entries 991
Mean 507.8
RMS 178.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

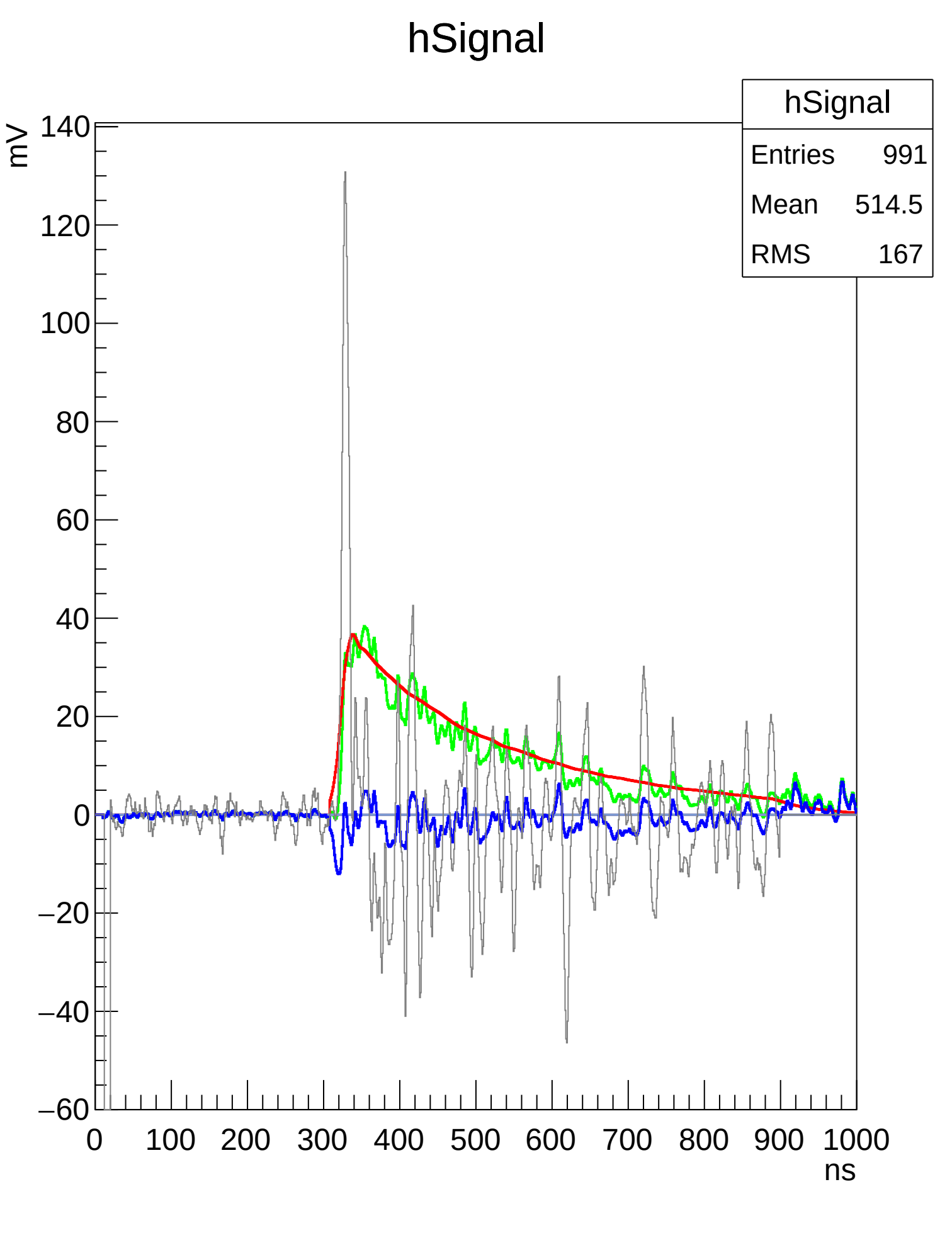

hSignal
hSignal
Entries 991
Mean 572.5
RMS 157.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

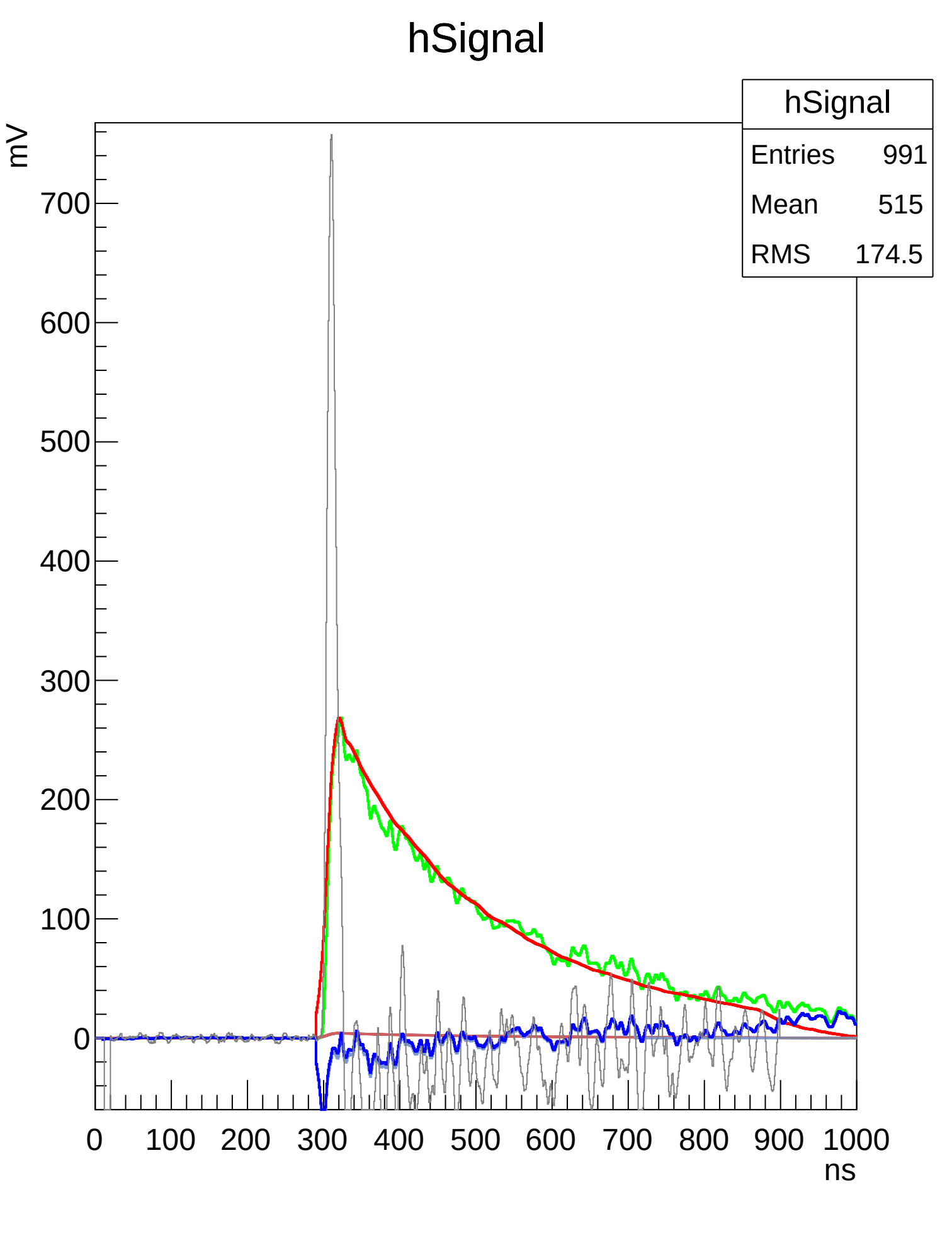

hSignal
hSignal
Entries 991
Mean 526.2
RMS 171
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

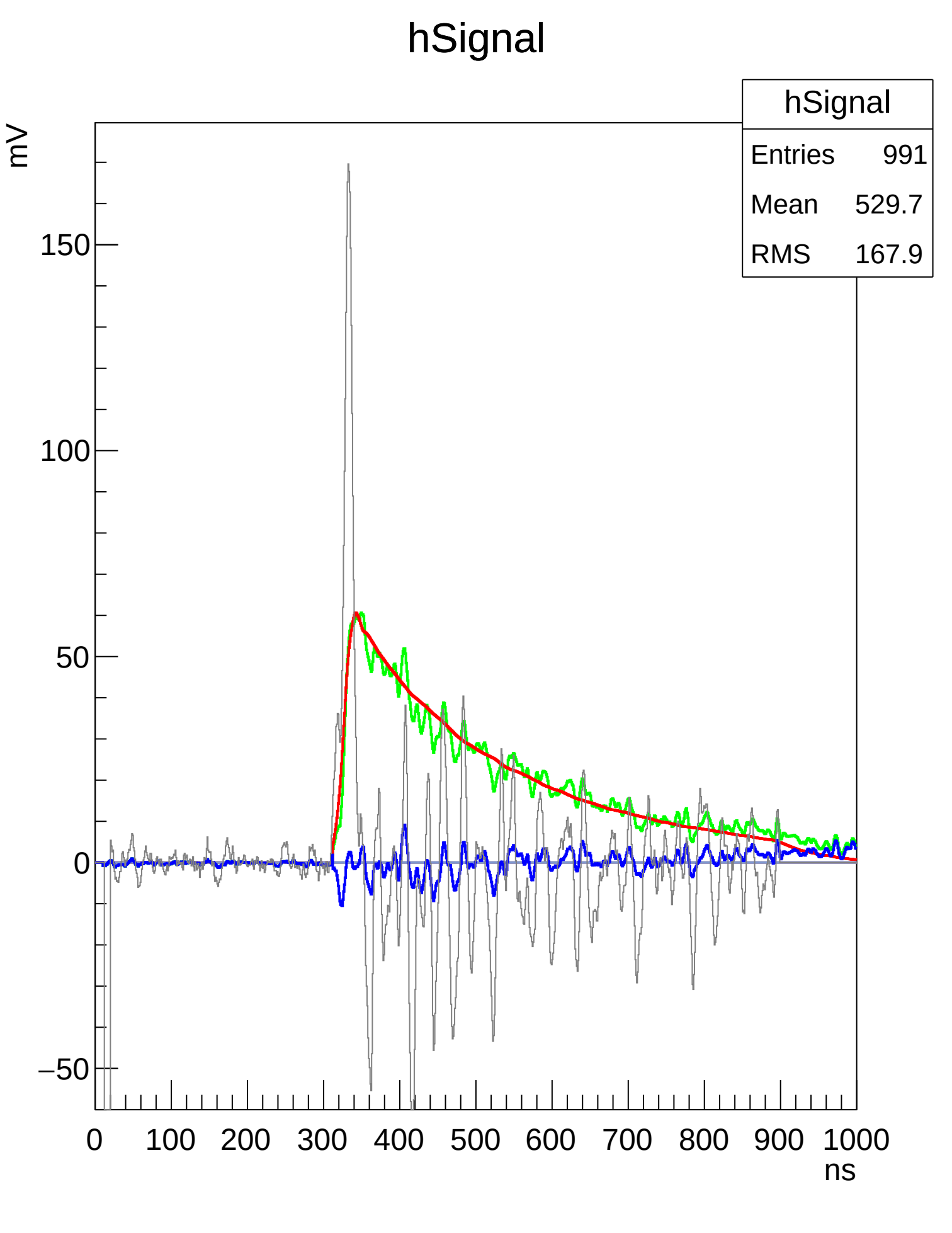

hSignal
hSignal
Entries 991
Mean 529.7
RMS 171.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

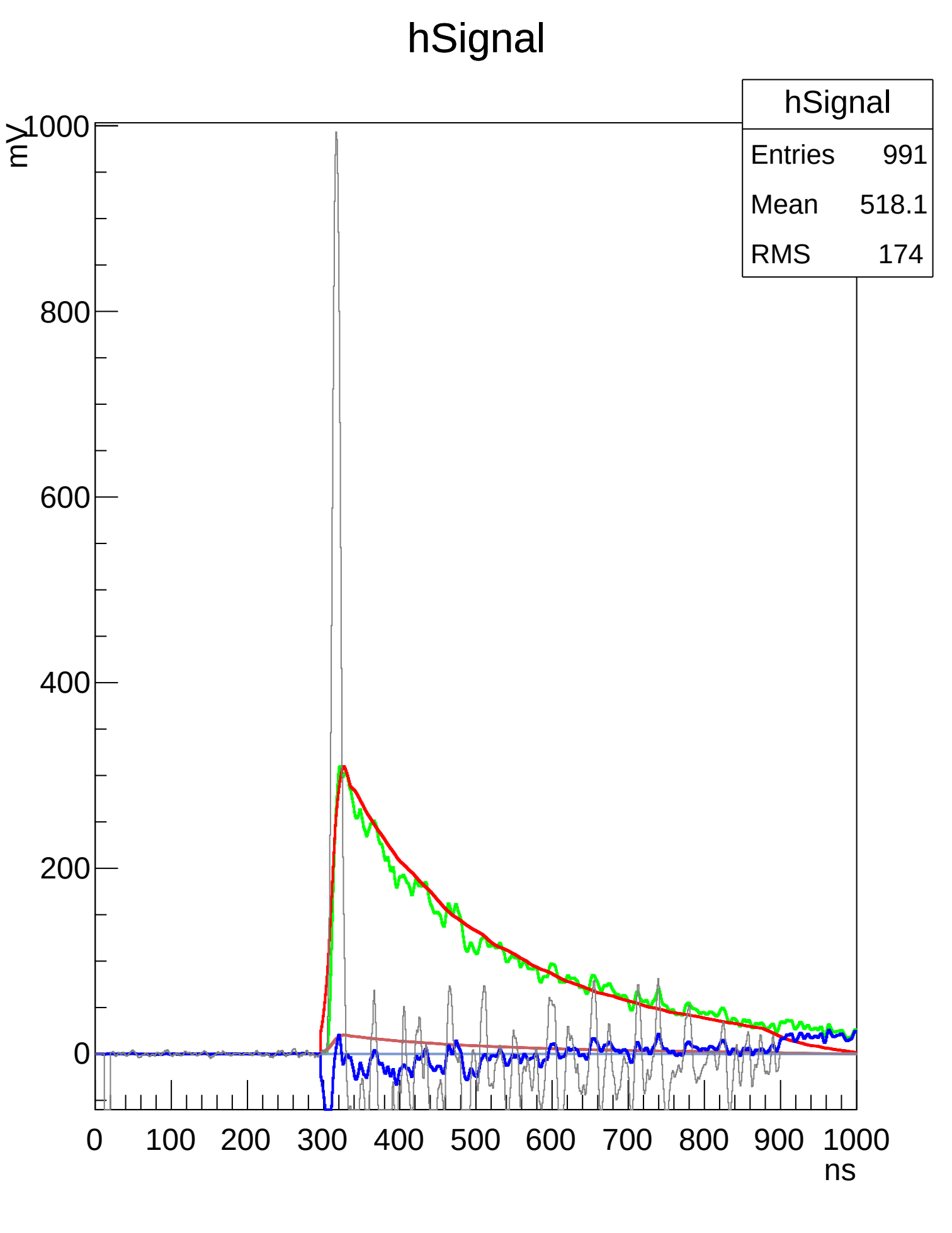

hSignal
hSignal
Entries 991
Mean 526.4
RMS 169.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

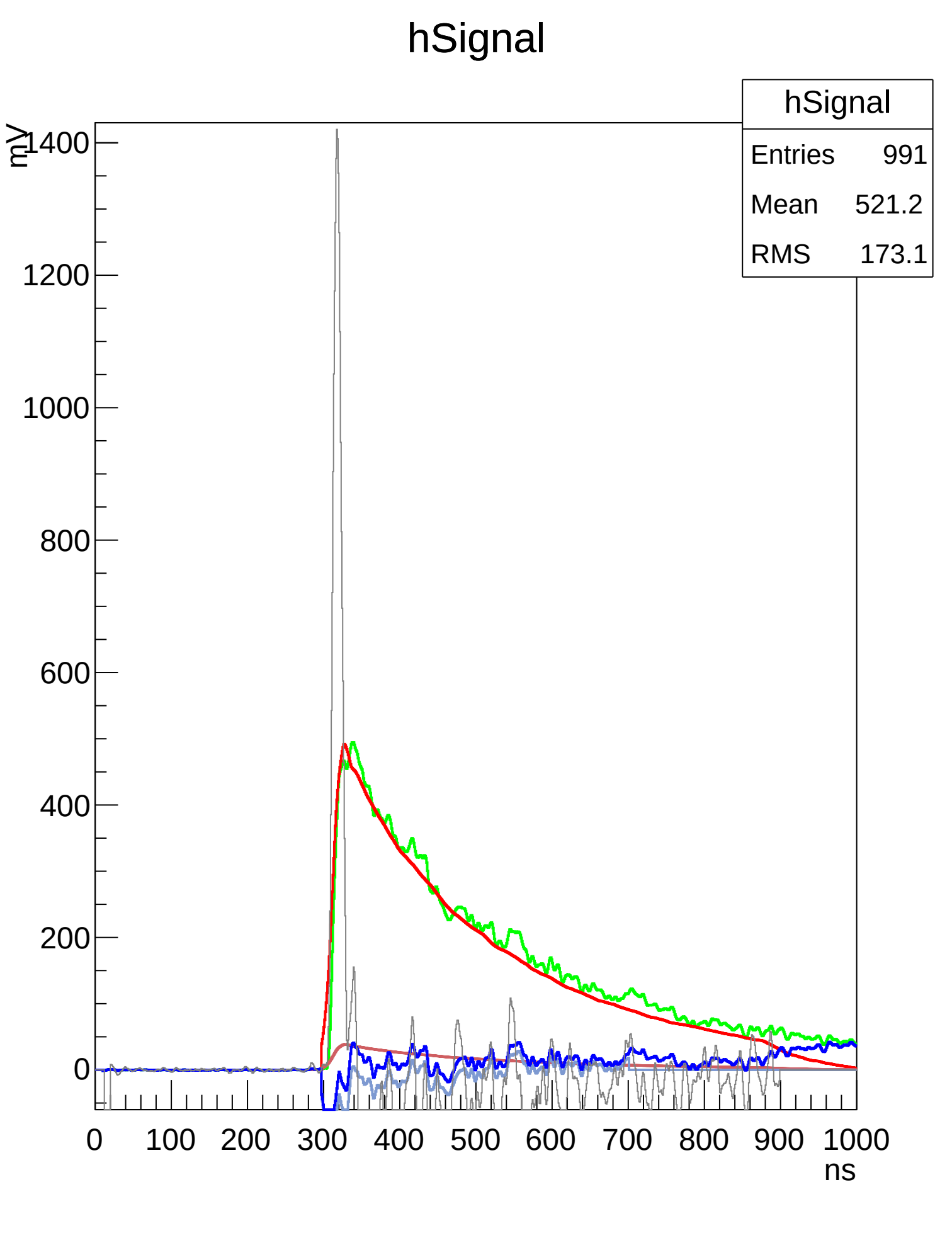

hSignal
hSignal
Entries 991
Mean 498.4
RMS 174.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

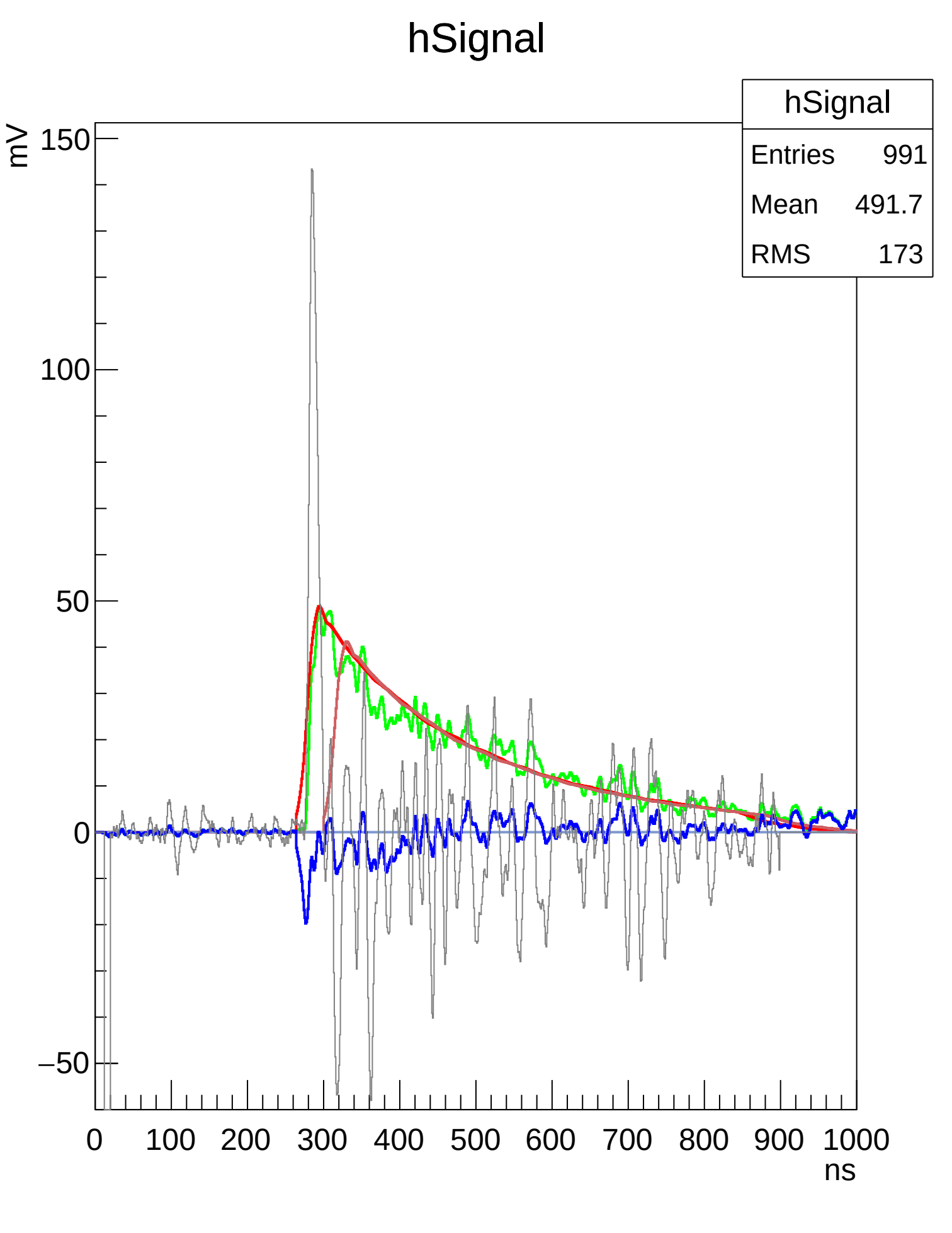

hSignal
hSignal
Entries 991
Mean 514.5
RMS 167
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

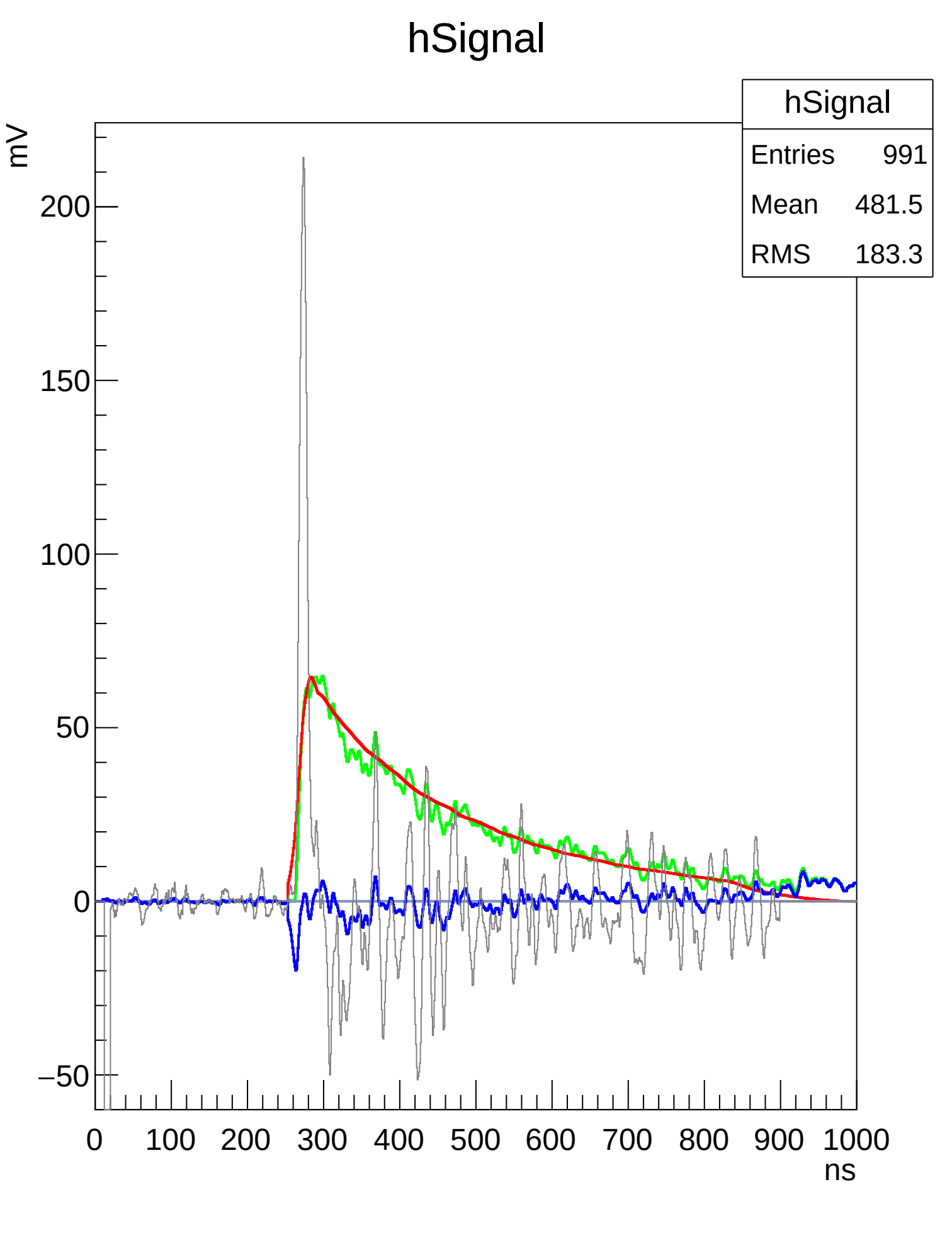

hSignal
hSignal
Entries 991
Mean 515
RMS 174.5
mV
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

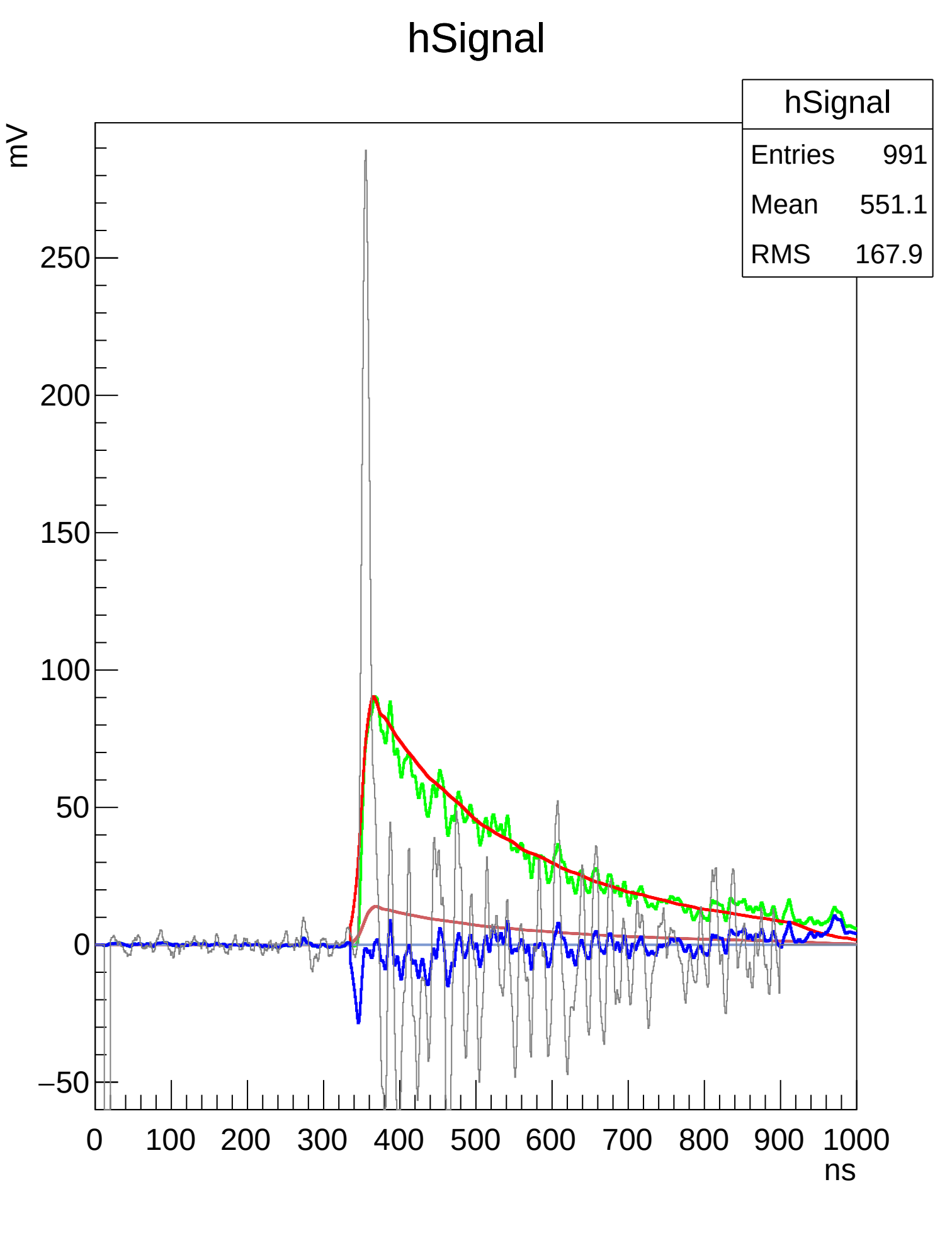

hSignal
hSignal
Entries 991
Mean 529.7
RMS 167.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

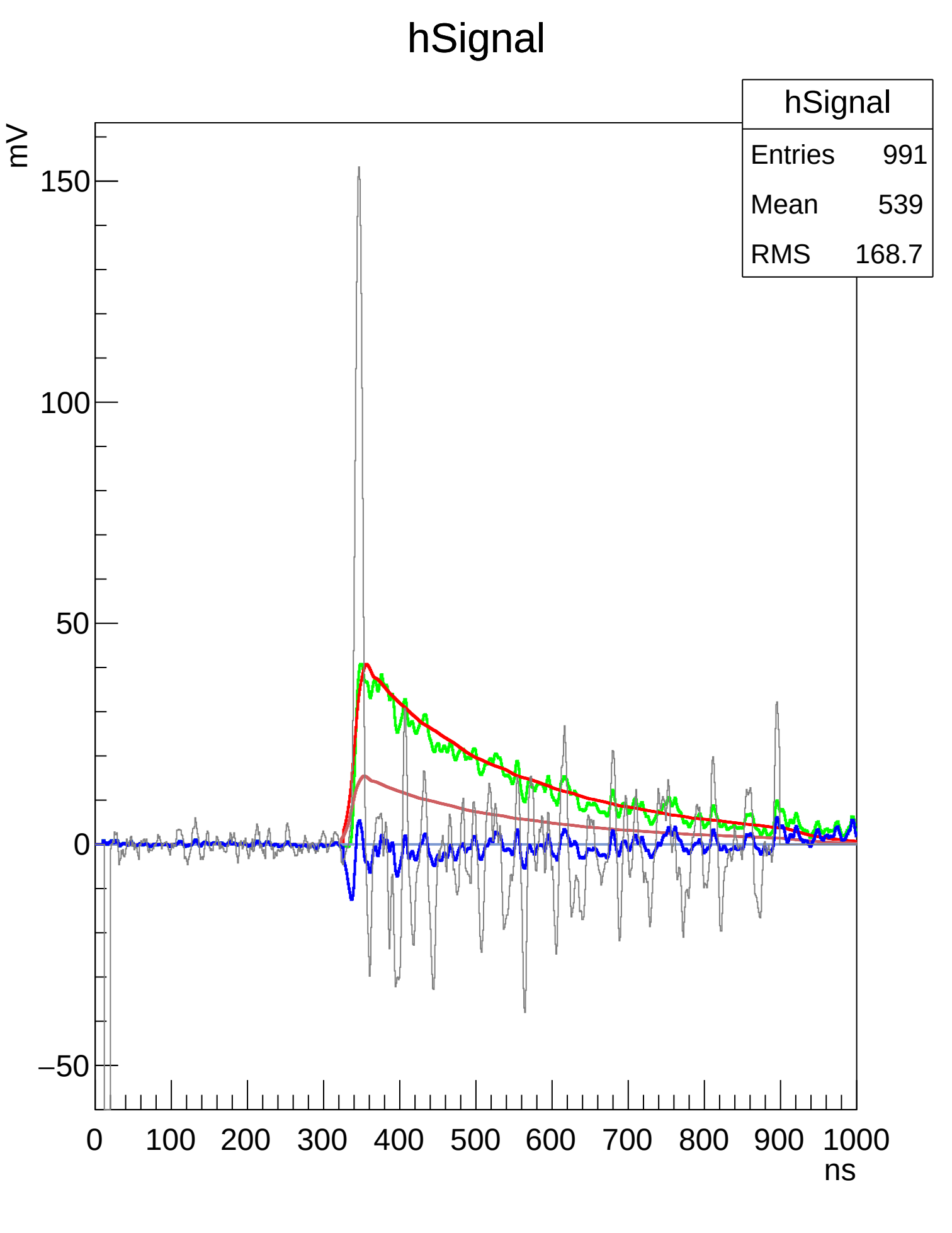

hSignal
hSignal
Entries 991
Mean 518.1
RMS 174
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

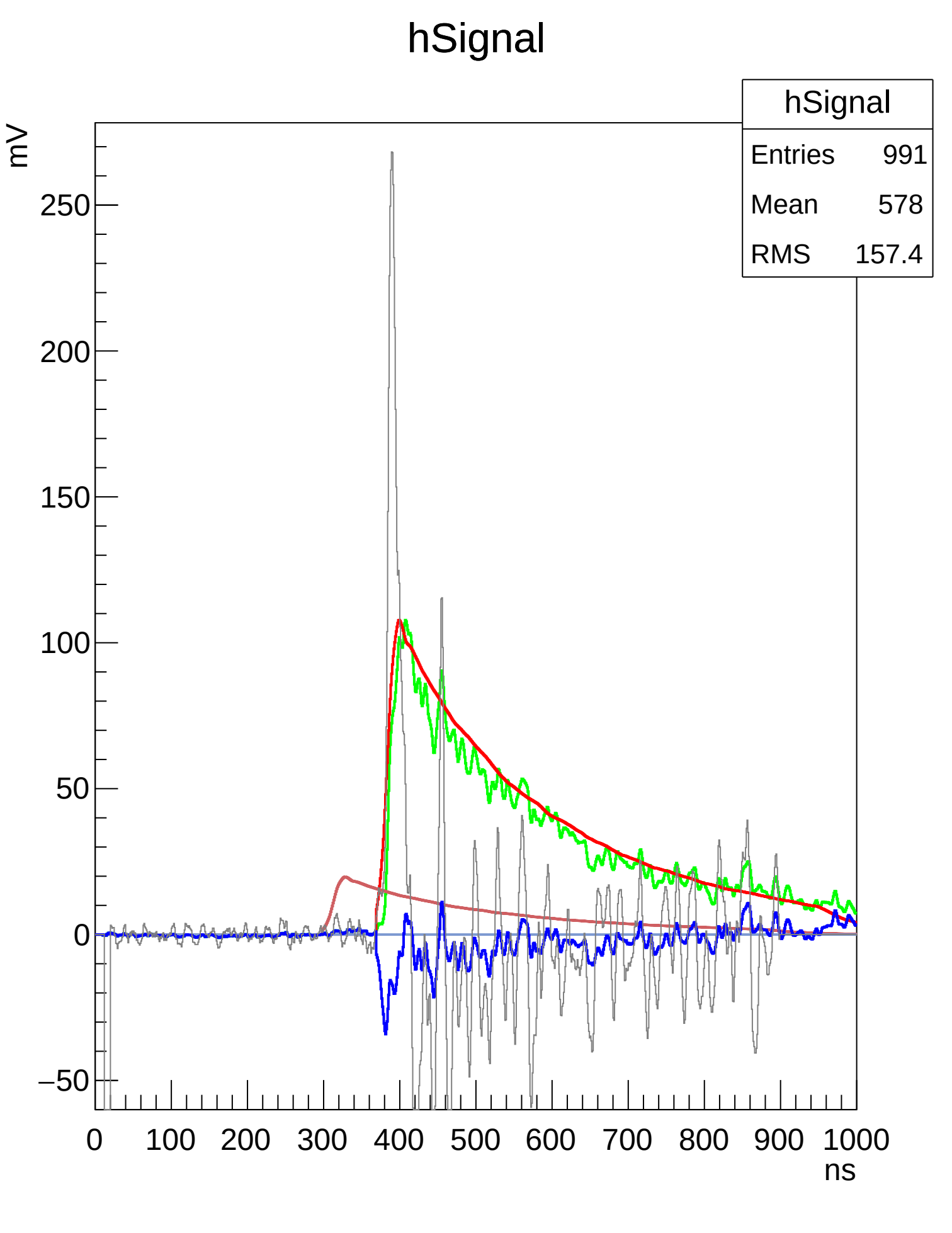

hSignal
hSignal
Entries 991
Mean 521.2
RMS 173.1
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

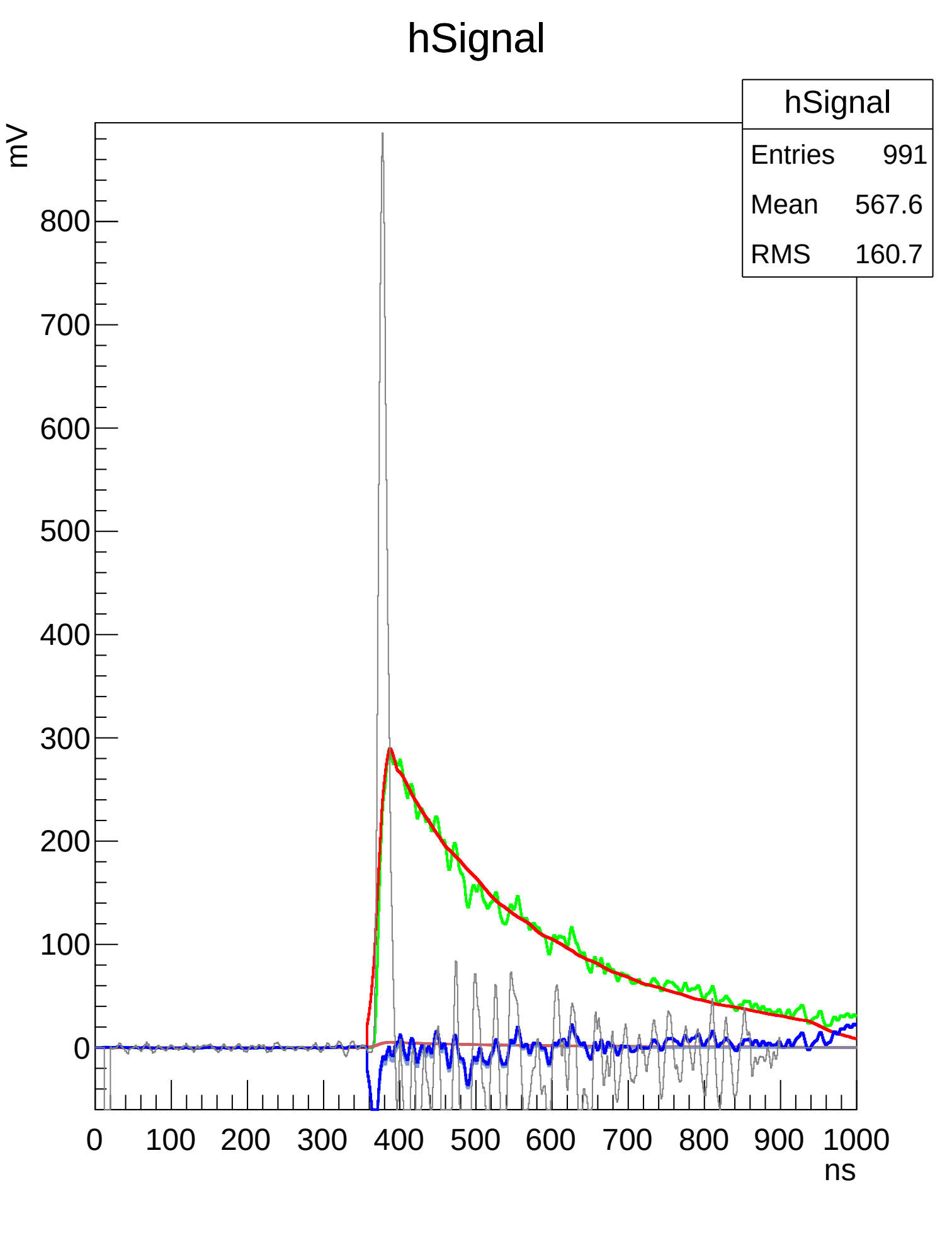

hSignal
hSignal
Entries 991
Mean 491.7
RMS 173
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

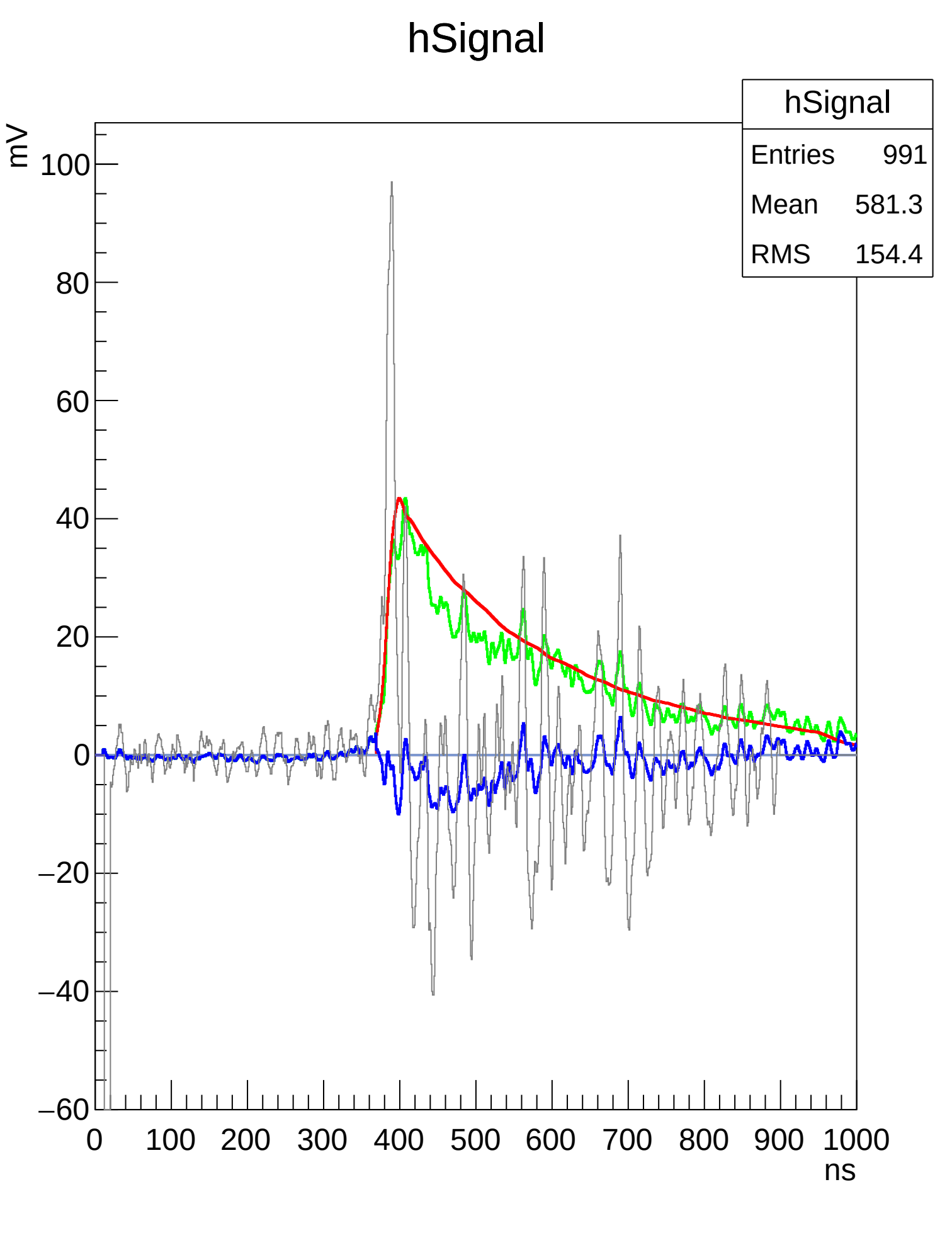

hSignal
hSignal
Entries 991
Mean 481.5
RMS 183.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

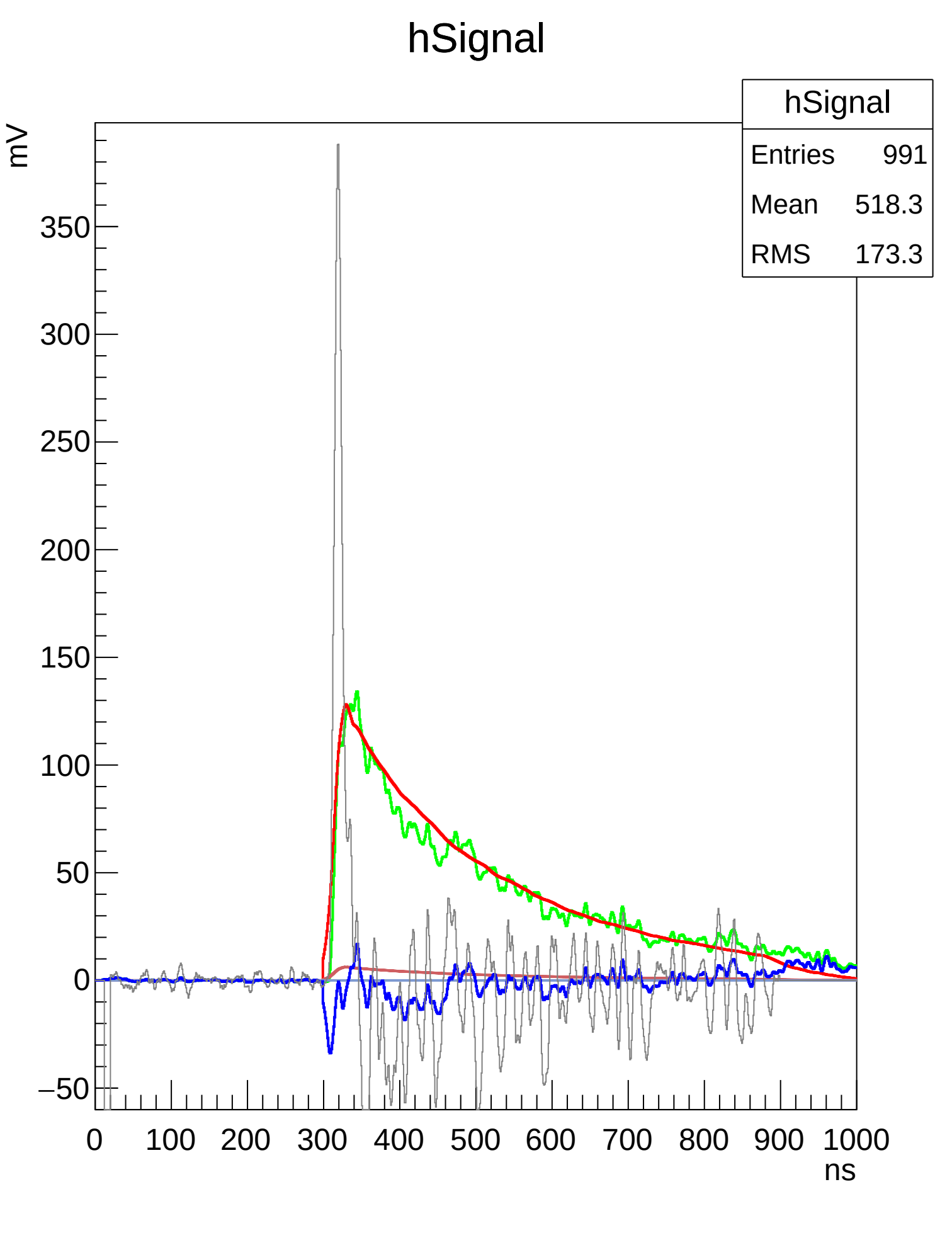

hSignal
hSignal
Entries 991
Mean 551.1
RMS 167.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

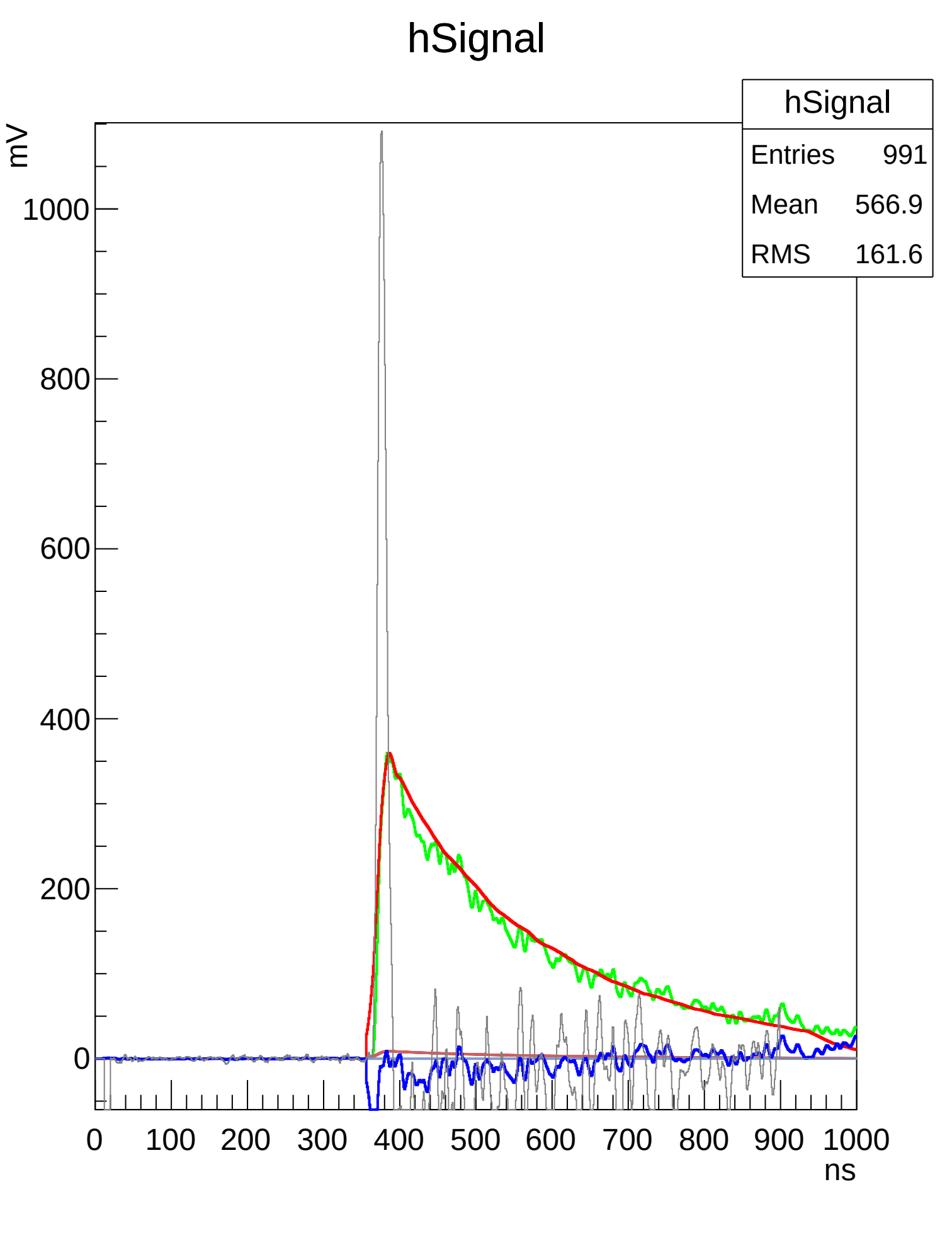

hSignal
hSignal
Entries 991
Mean 539
RMS 168.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

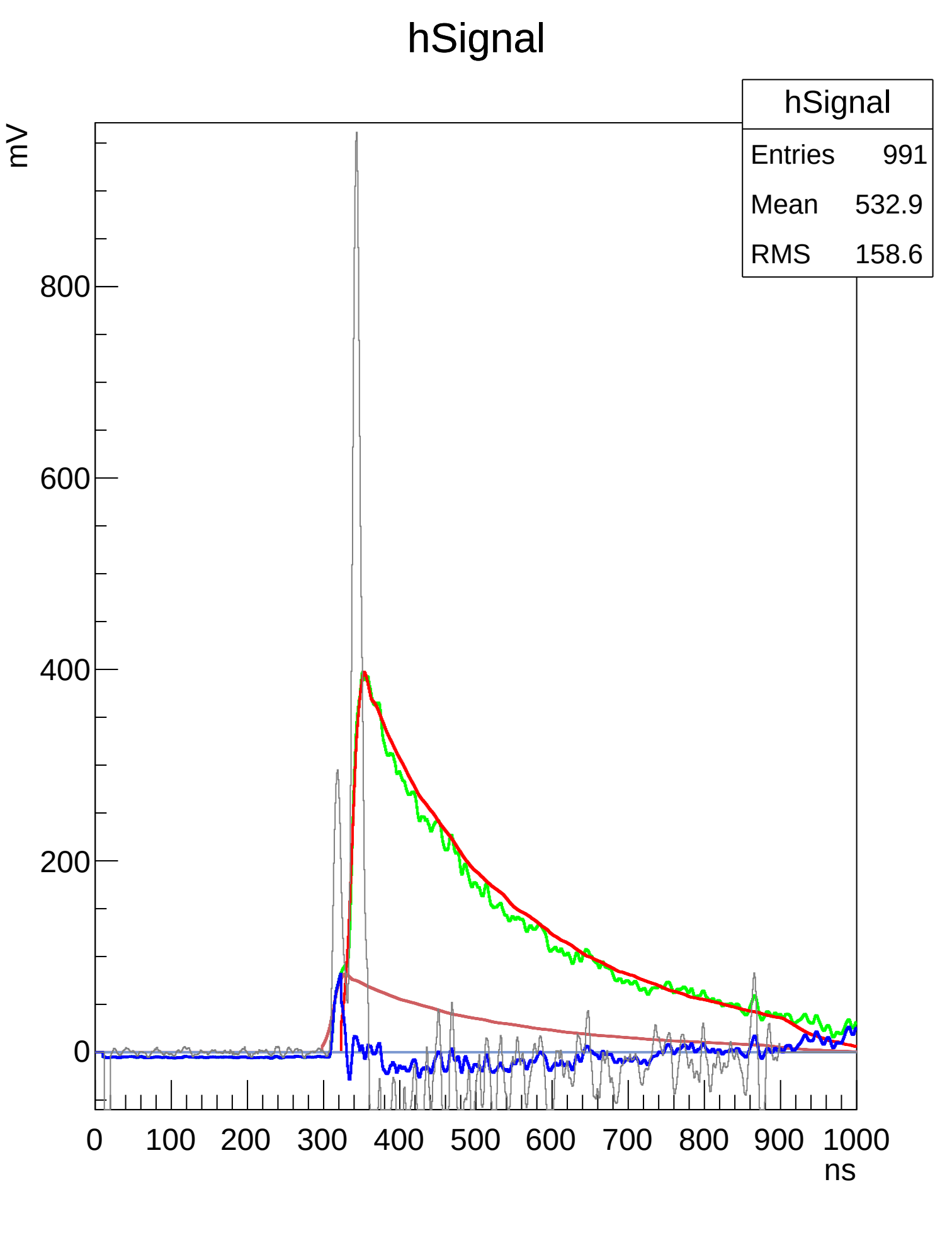

hSignal
hSignal
Entries 991
Mean 578
RMS 157.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

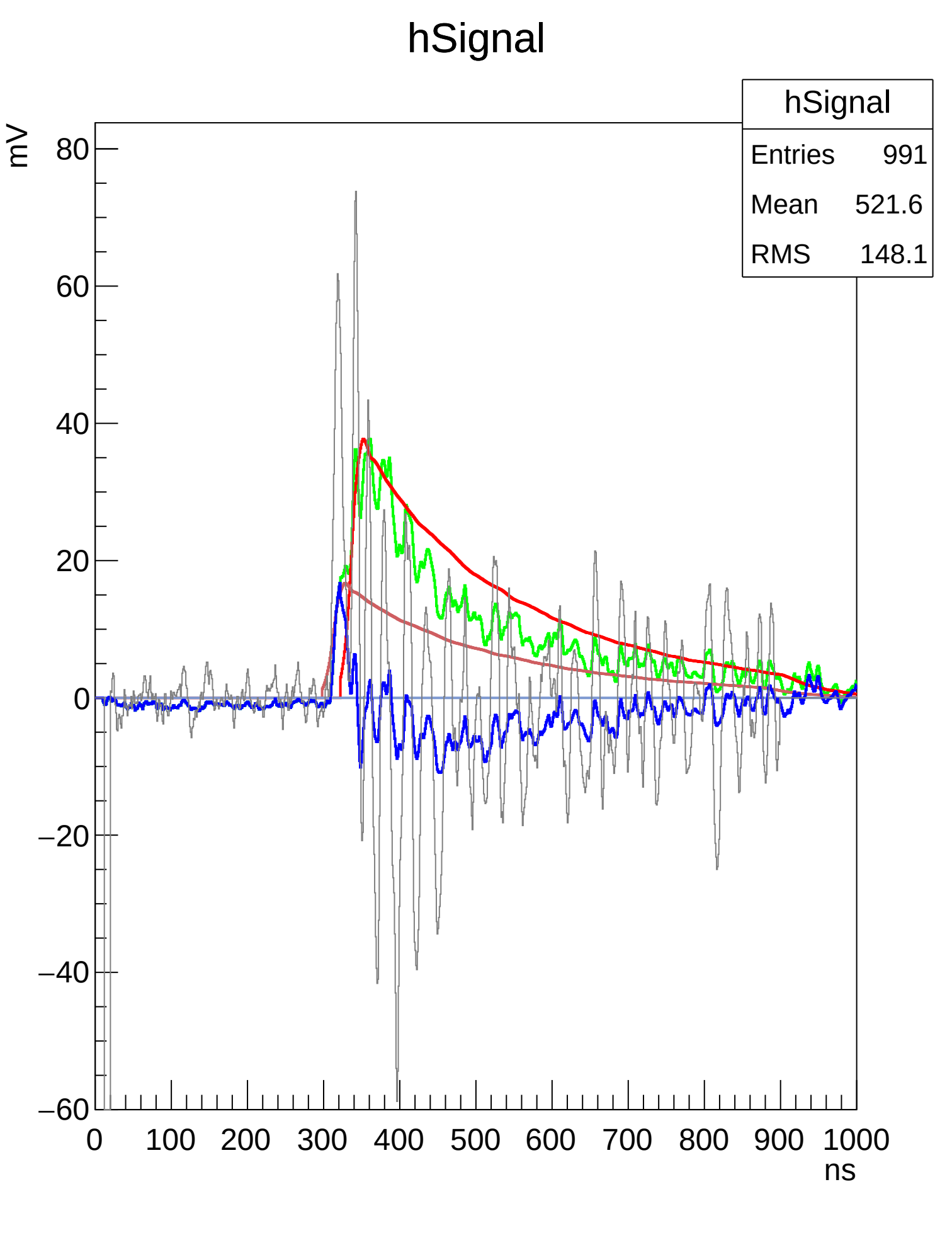

hSignal
hSignal
Entries 991
Mean 567.6
RMS 160.7
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

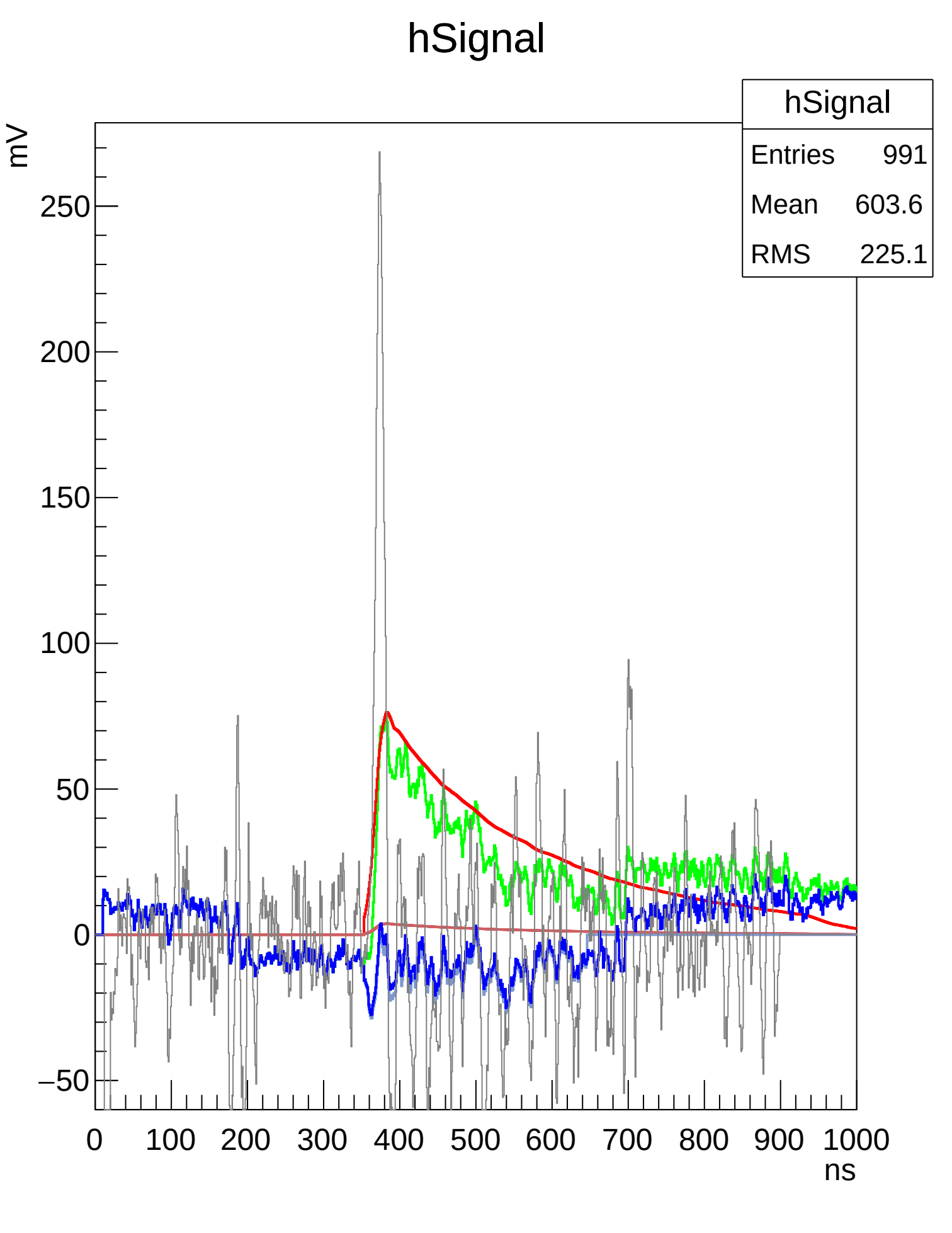

hSignal
hSignal
Entries 991
Mean 581.3
RMS 154.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

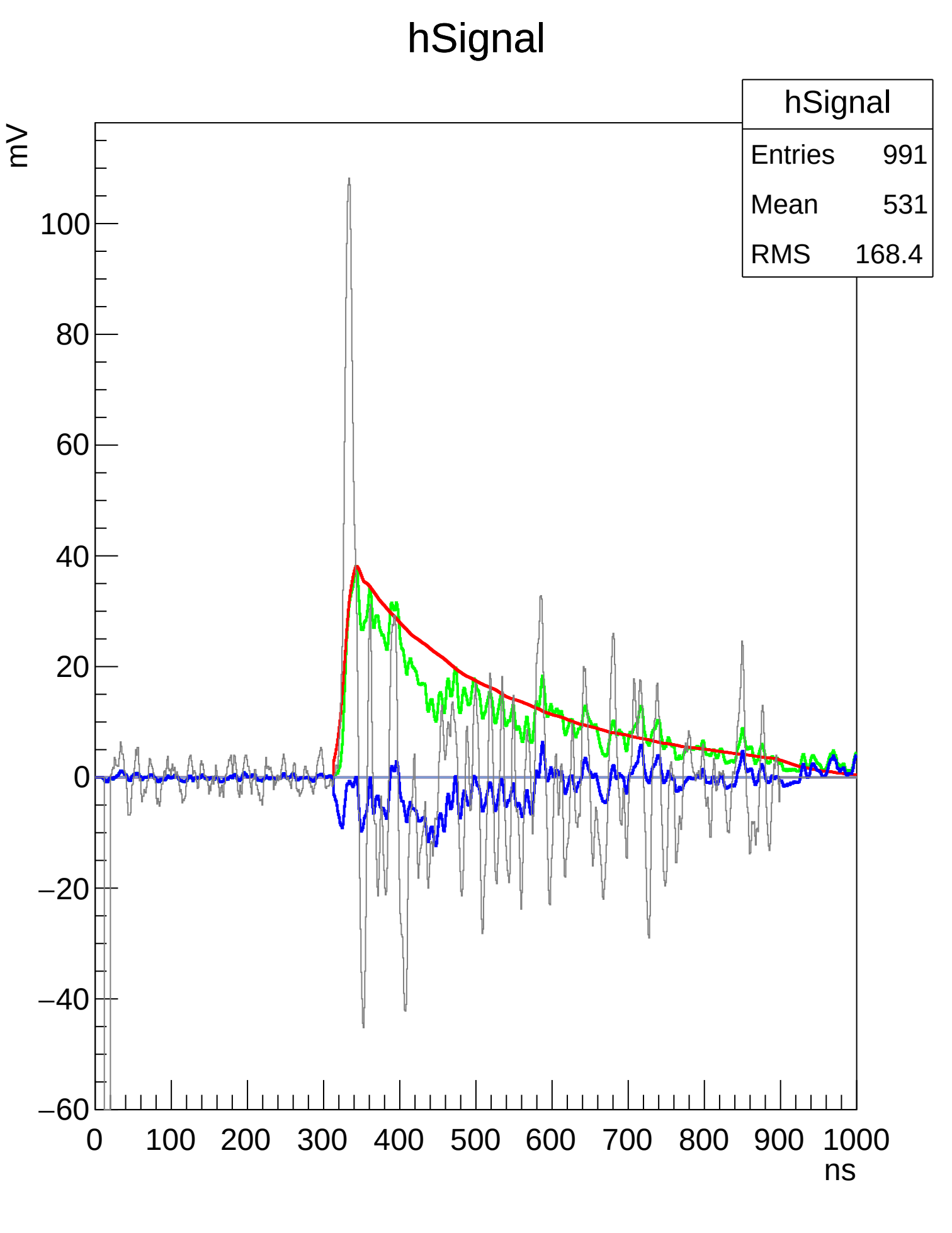

hSignal
hSignal
Entries 991
Mean 518.3
RMS 173.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

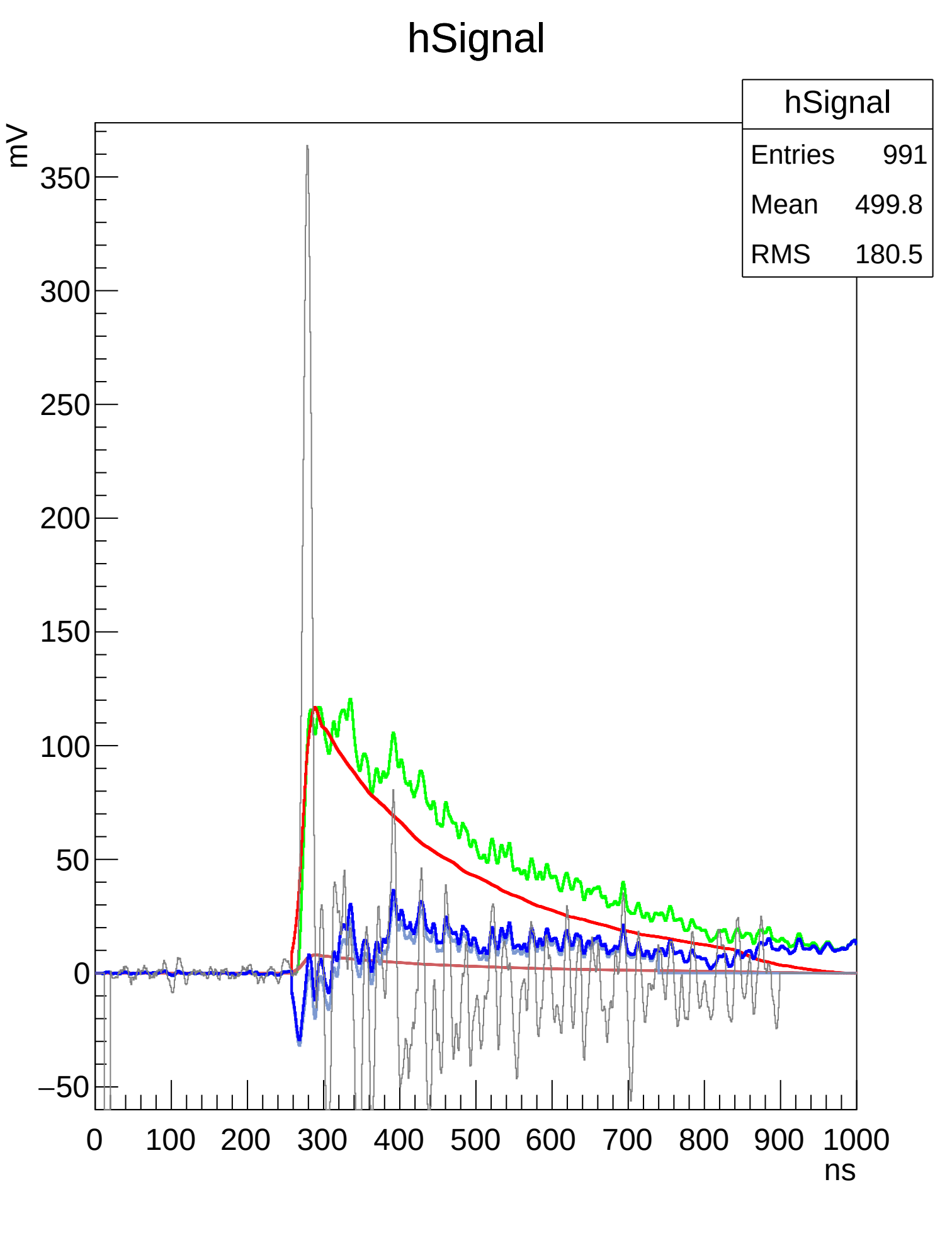

hSignal
hSignal
Entries 991
Mean 566.9
RMS 161.6
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

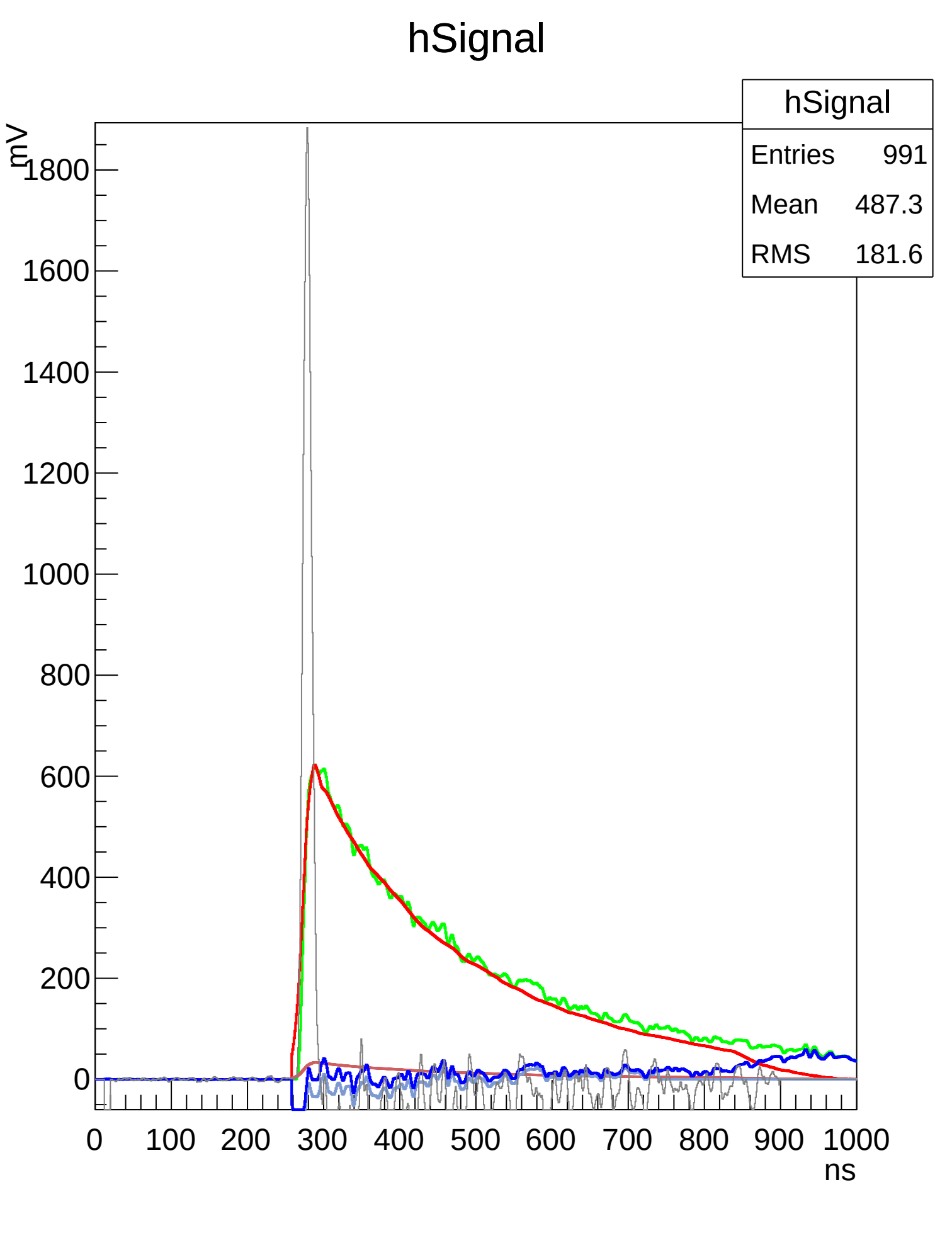

hSignal
hSignal
Entries 991
Mean 532.9
RMS 158.6
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

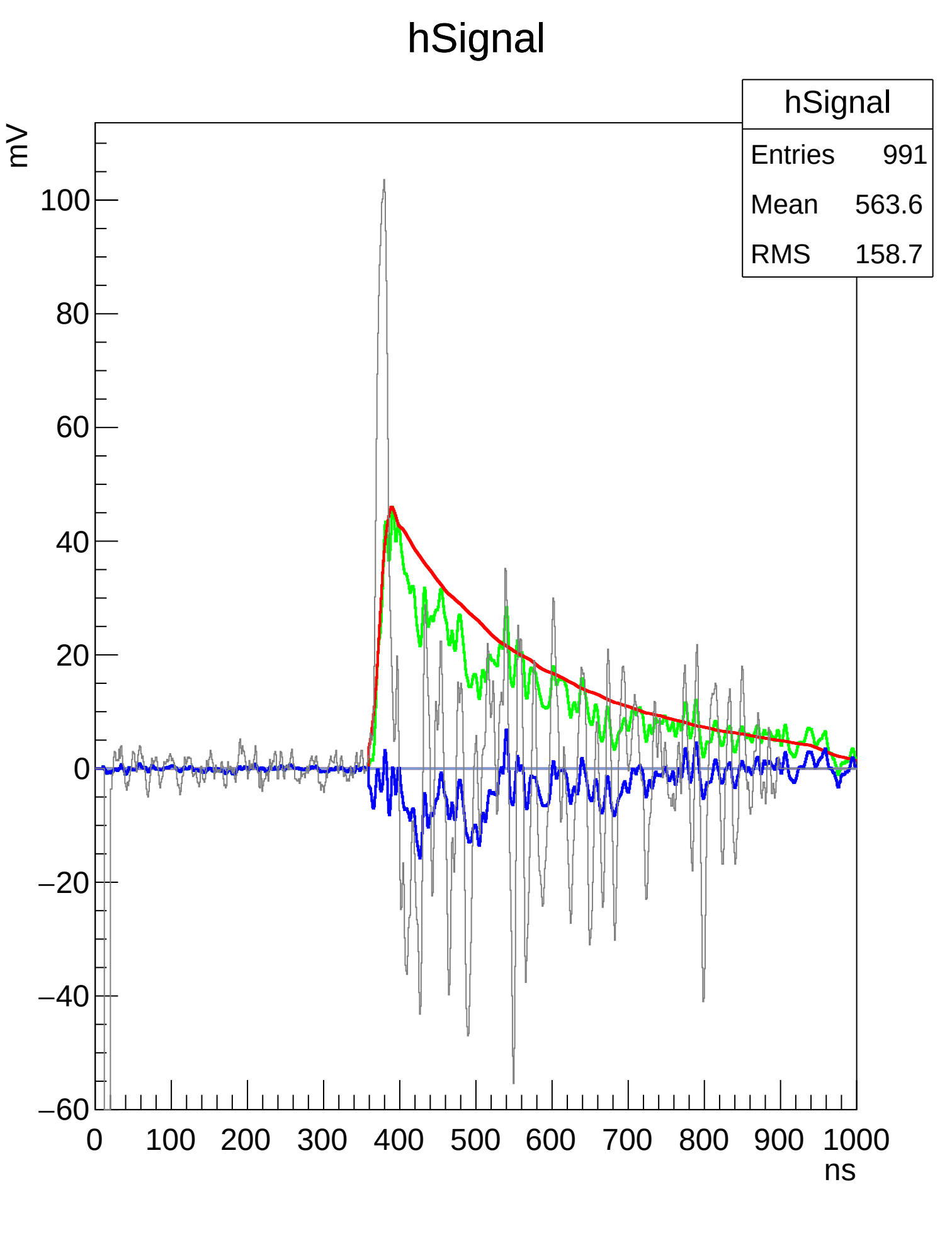

hSignal
hSignal
Entries 991
Mean 521.6
RMS 148.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

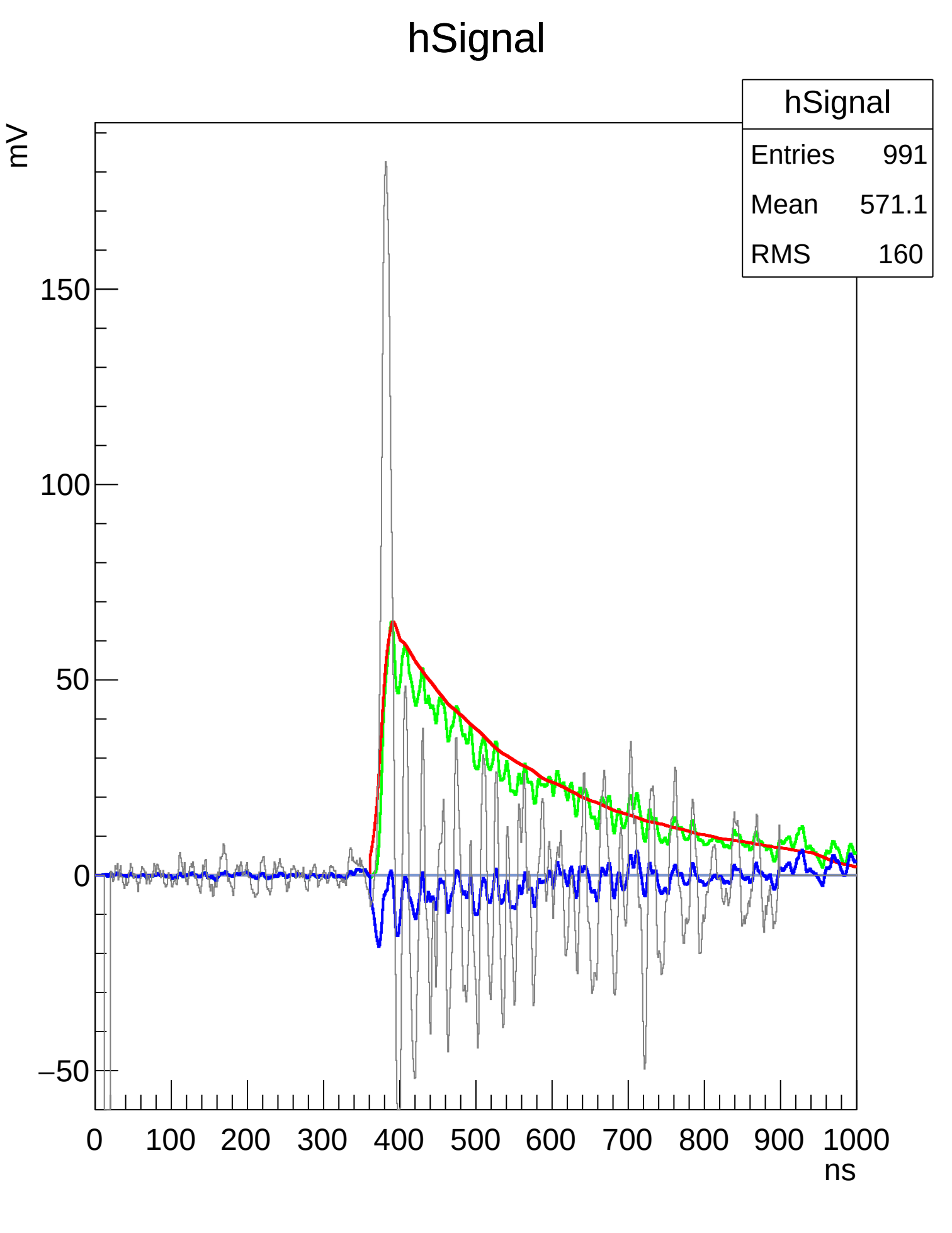

hSignal
hSignal
Entries 991
Mean 603.6
RMS 225.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

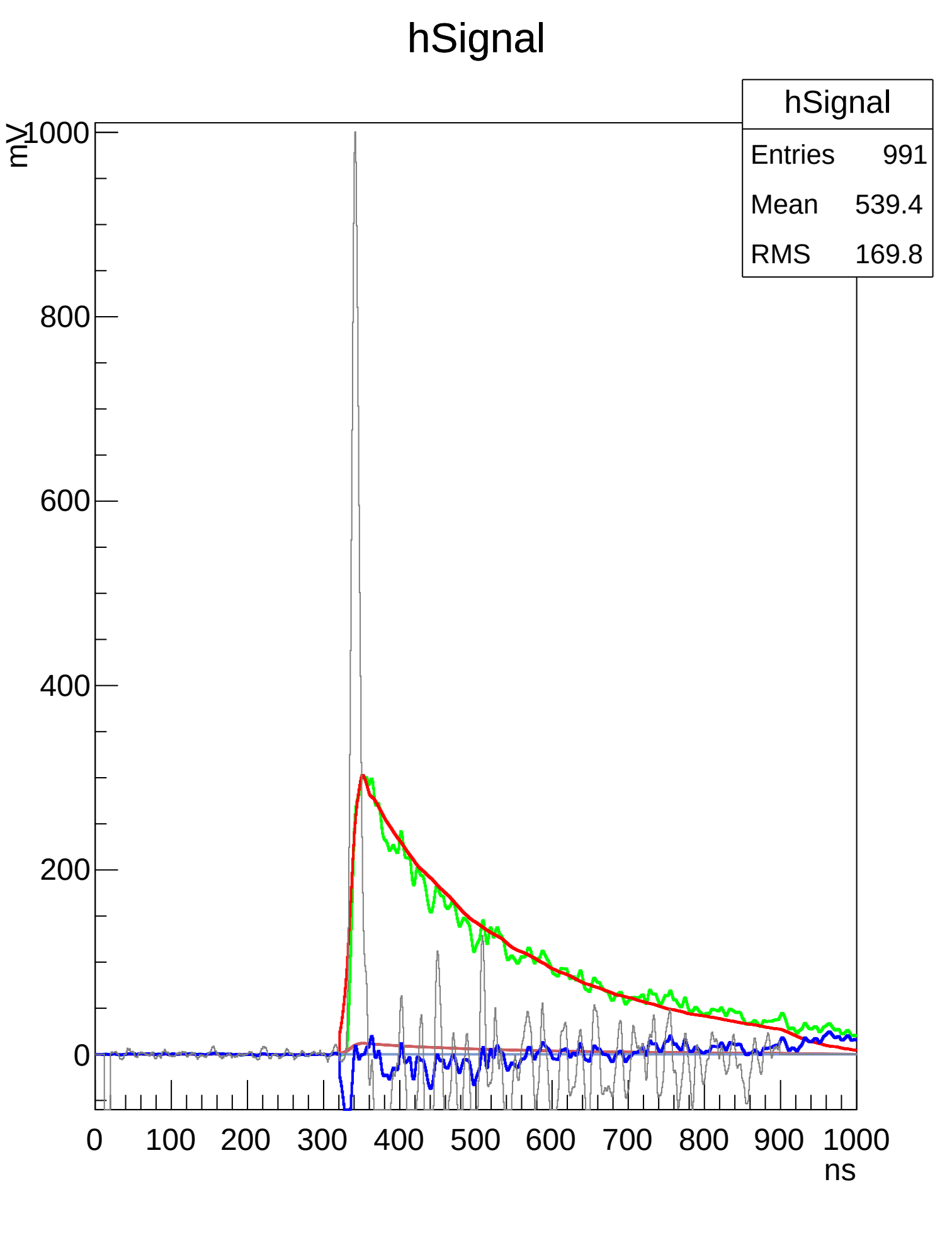

hSignal
hSignal
Entries 991
Mean 531
RMS 168.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

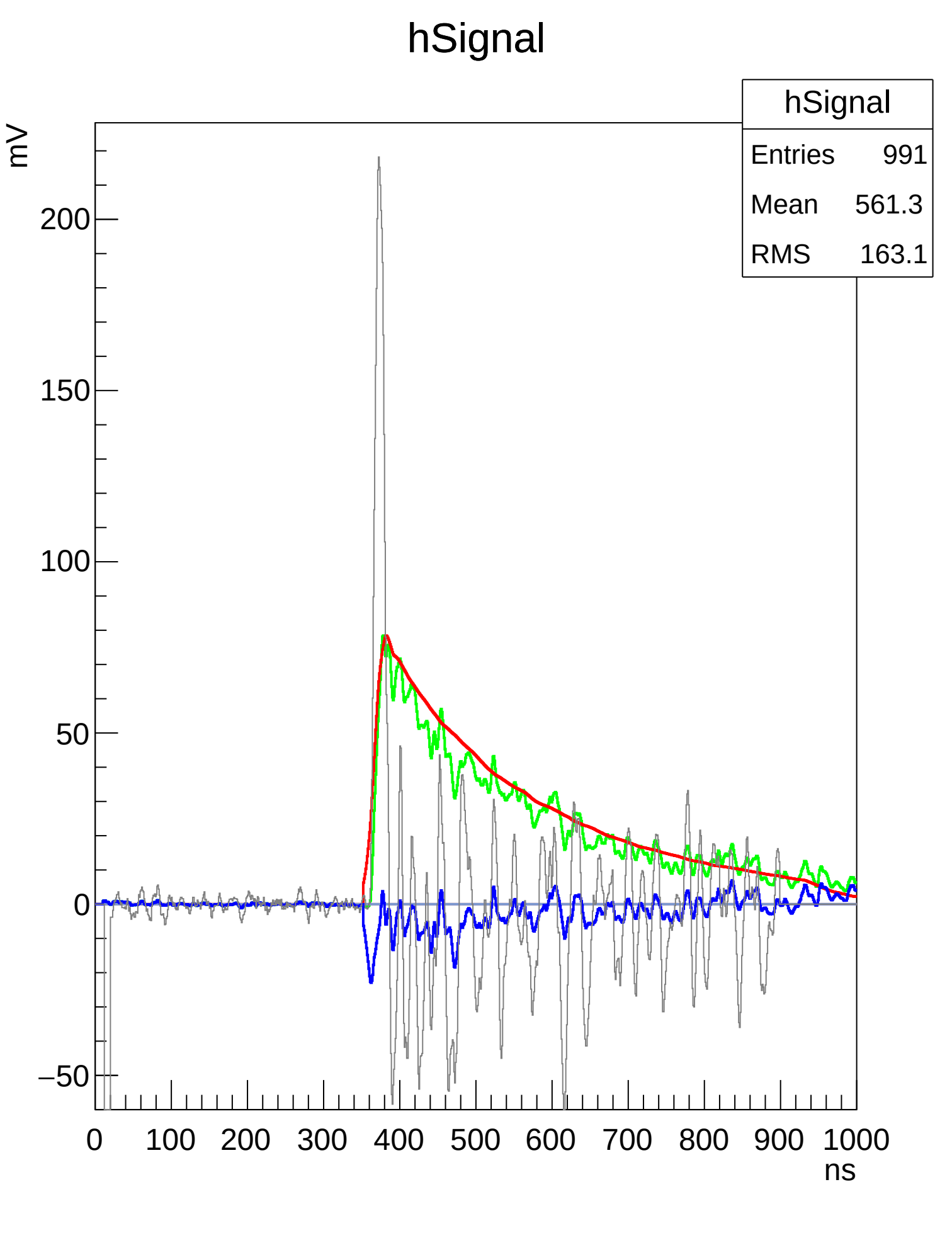

hSignal
hSignal
Entries 991
Mean 499.8
RMS 180.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

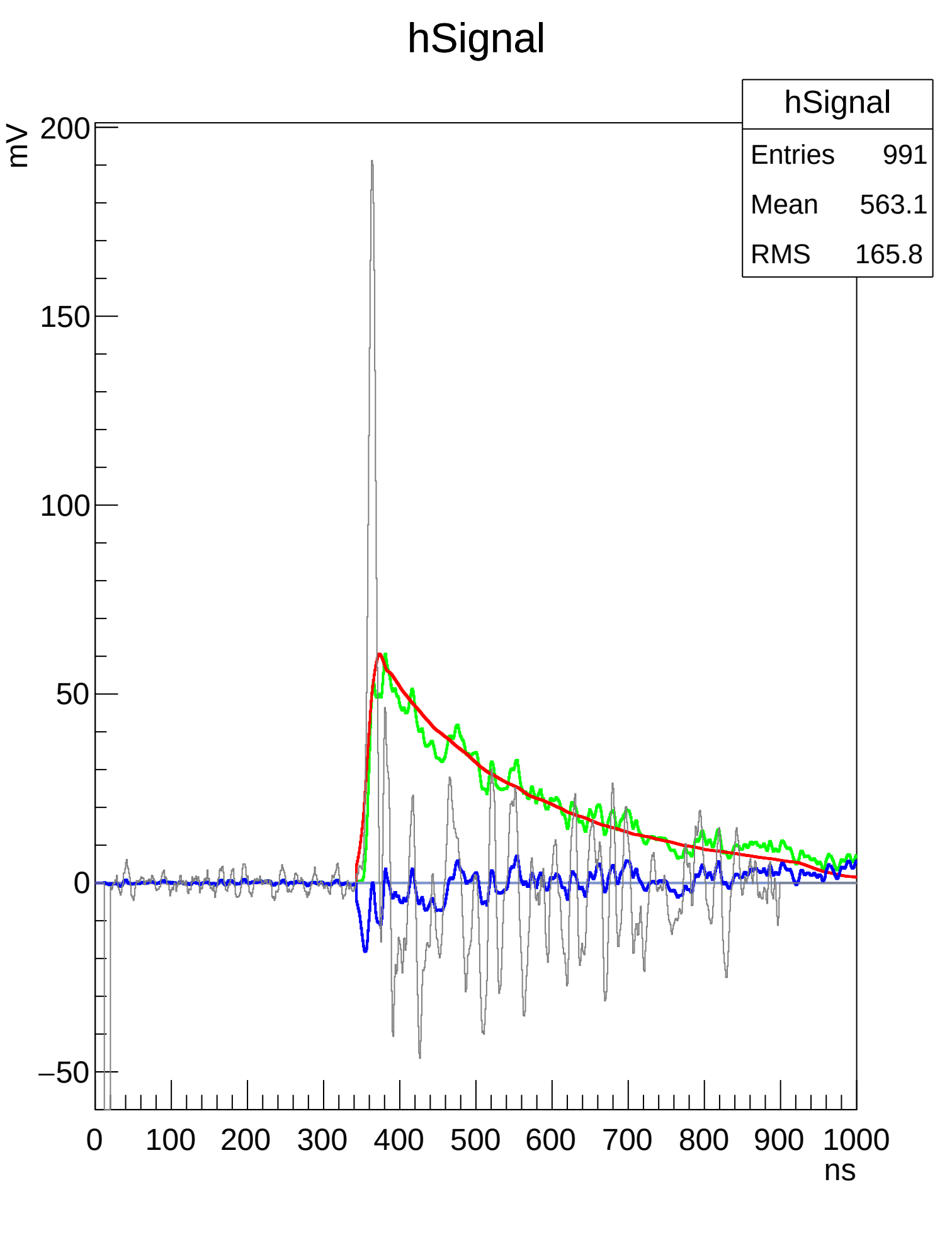

hSignal
hSignal
Entries 991
Mean 487.3
RMS 181.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

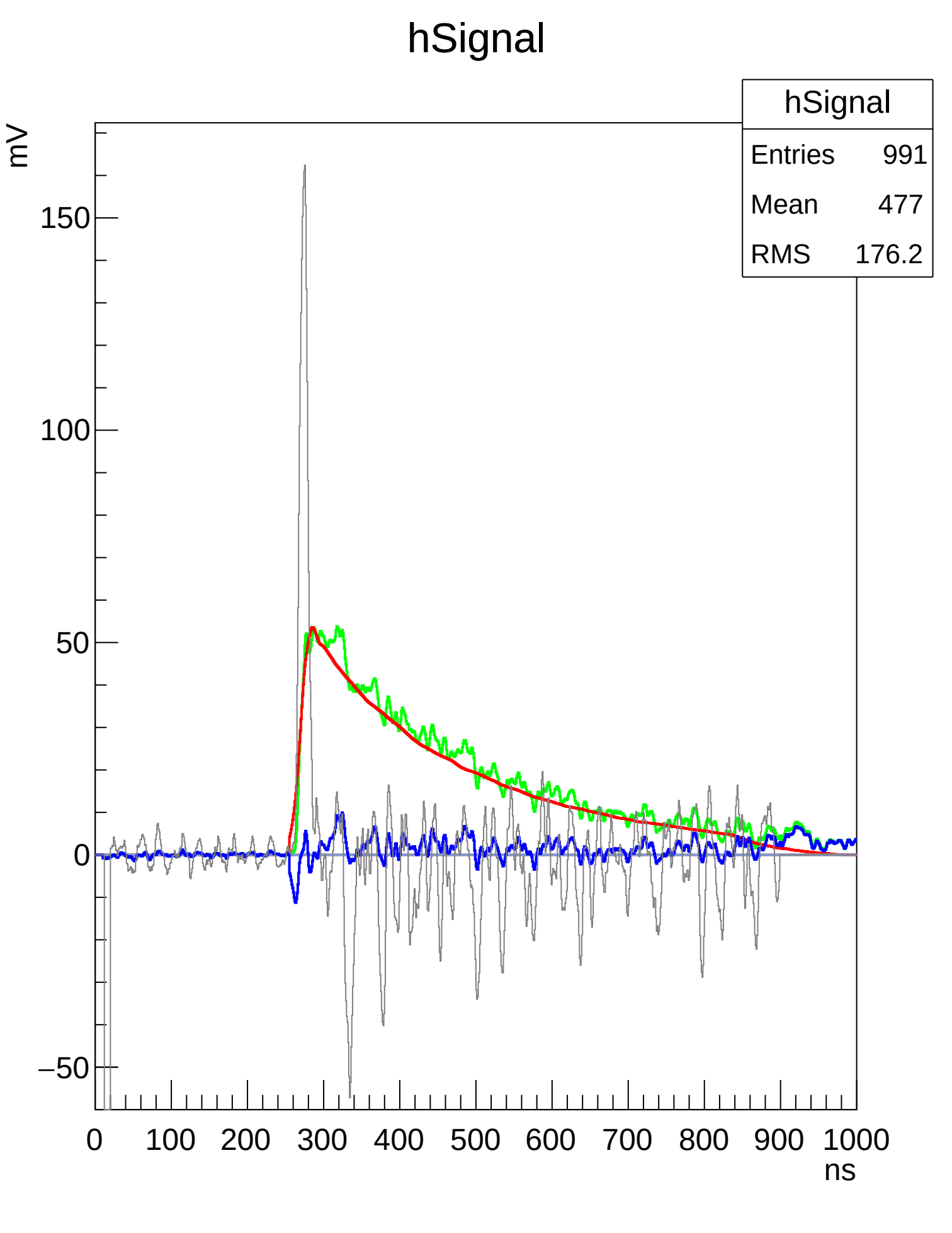

hSignal
hSignal
Entries 991
Mean 563.6
RMS 158.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

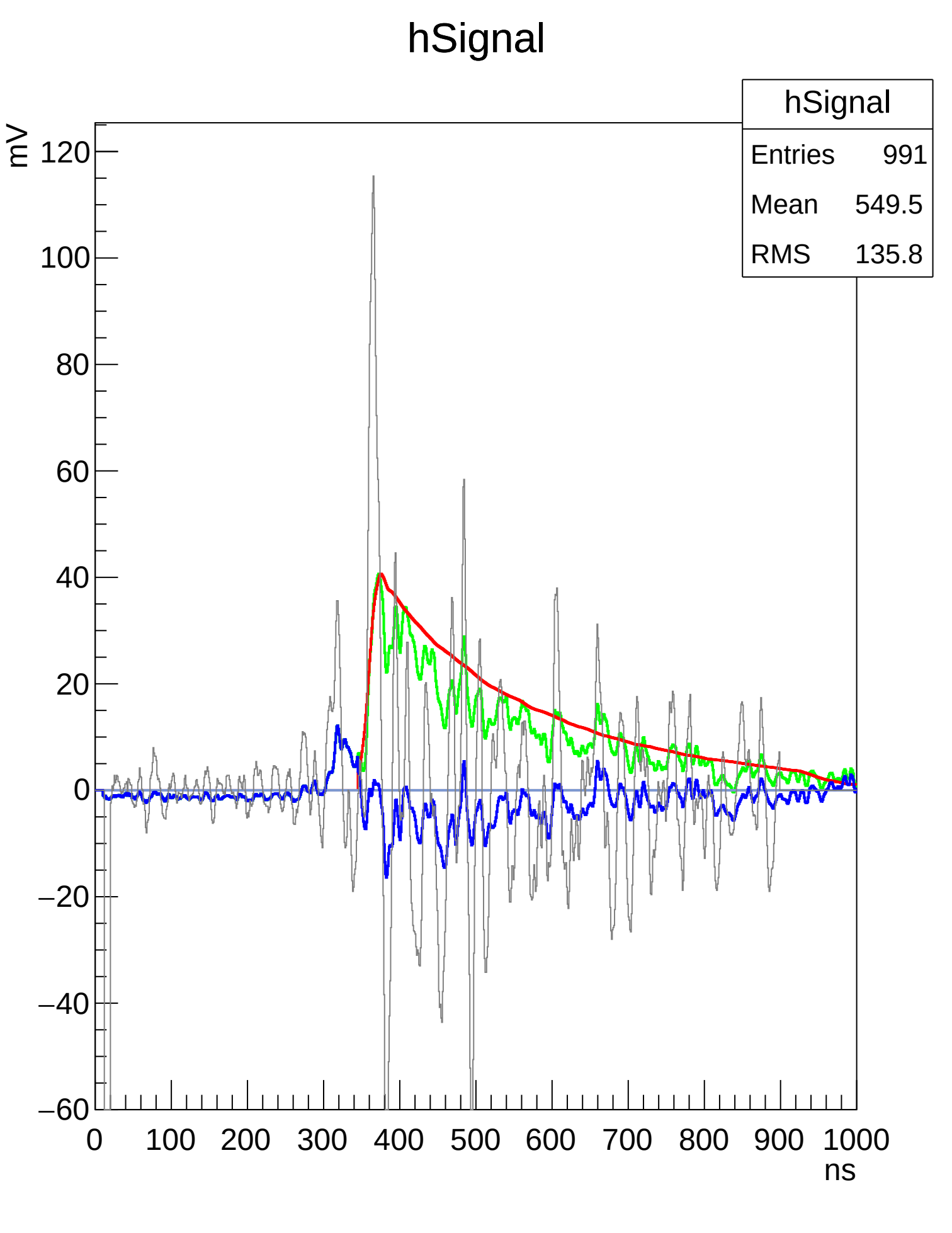

hSignal
hSignal
Entries 991
Mean 571.1
RMS 160
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

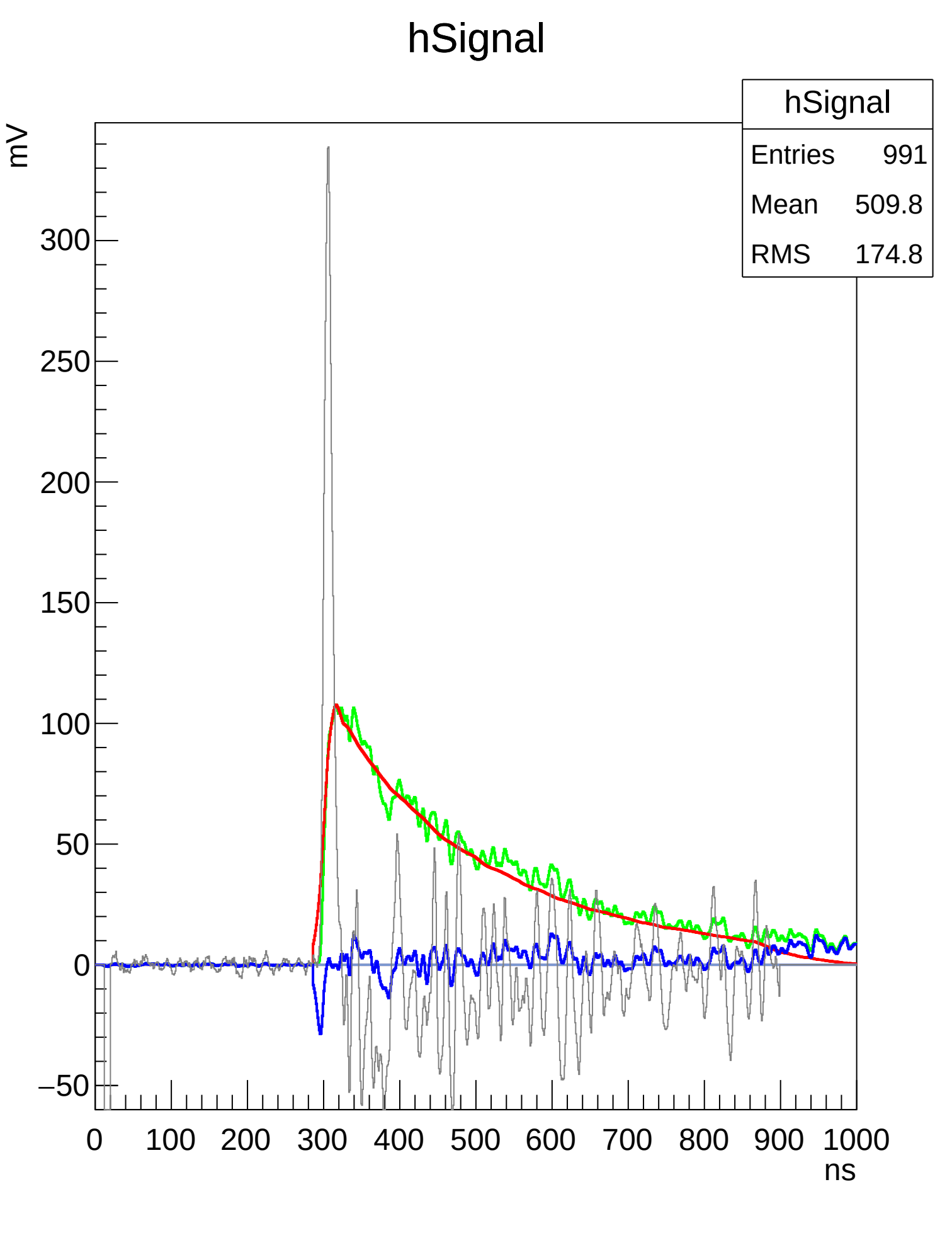

hSignal
hSignal
Entries 991
Mean 539.4
RMS 169.8
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

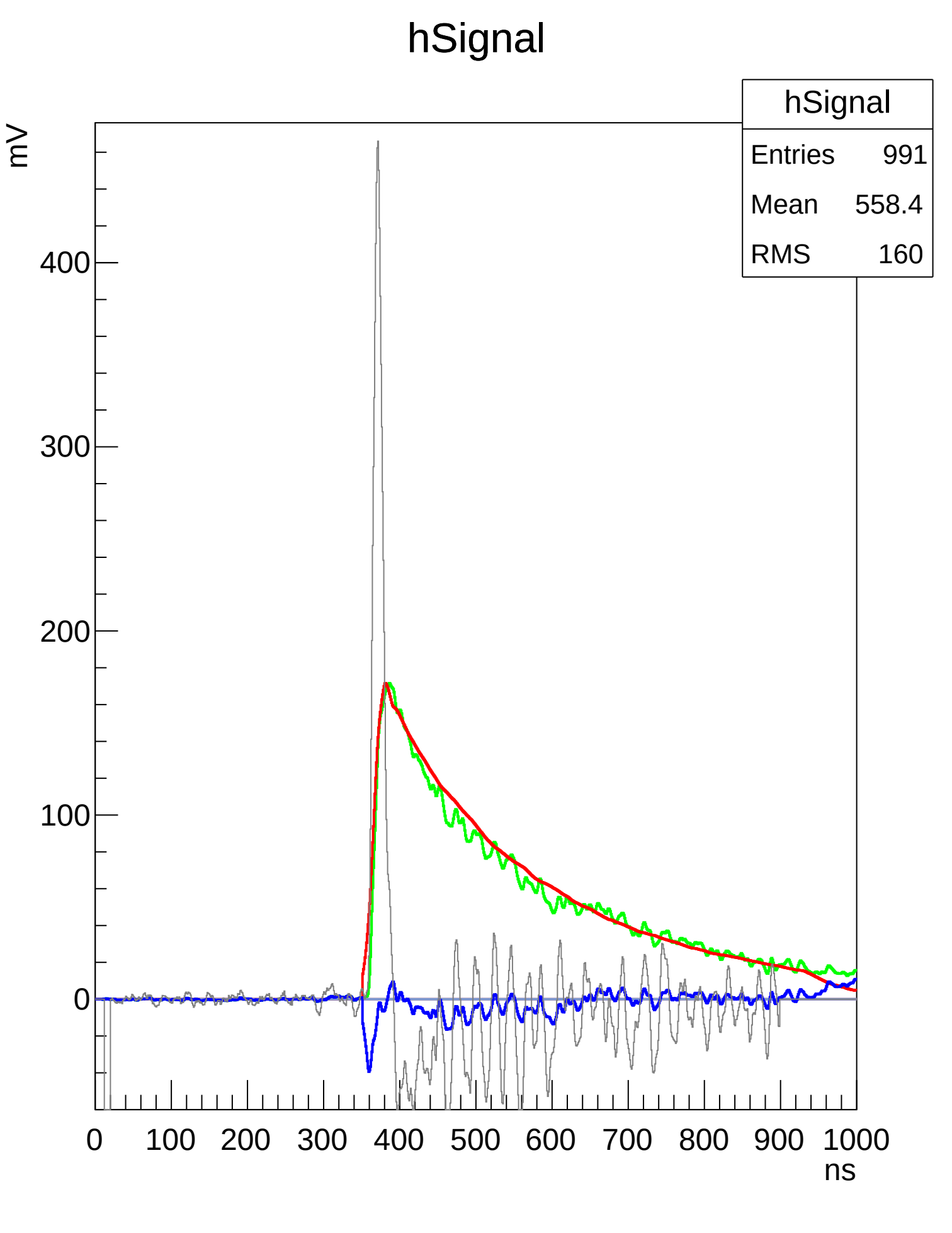

hSignal
hSignal
Entries 991
Mean 561.3
RMS 163.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

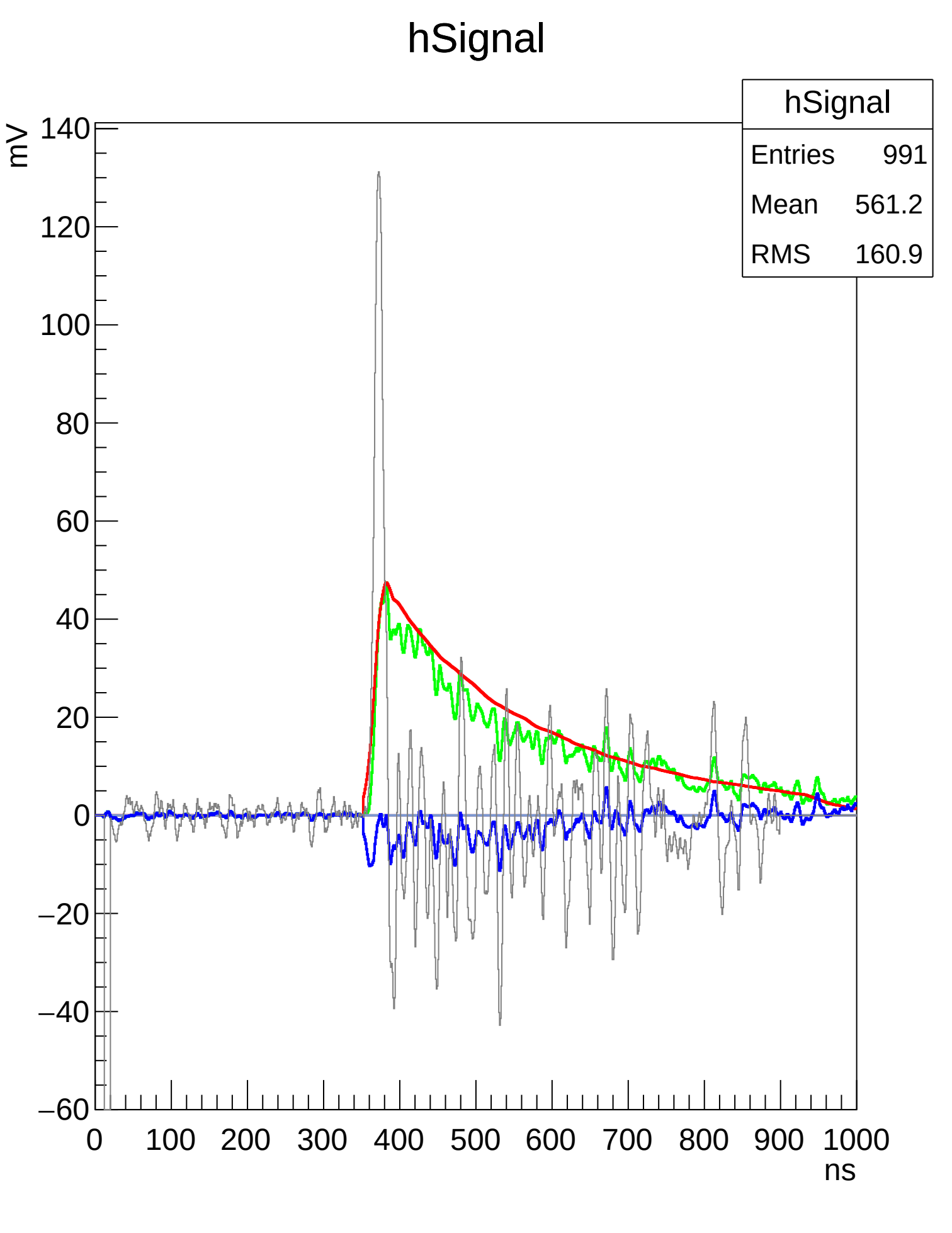

hSignal
hSignal
Entries 991
Mean 563.1
RMS 165.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

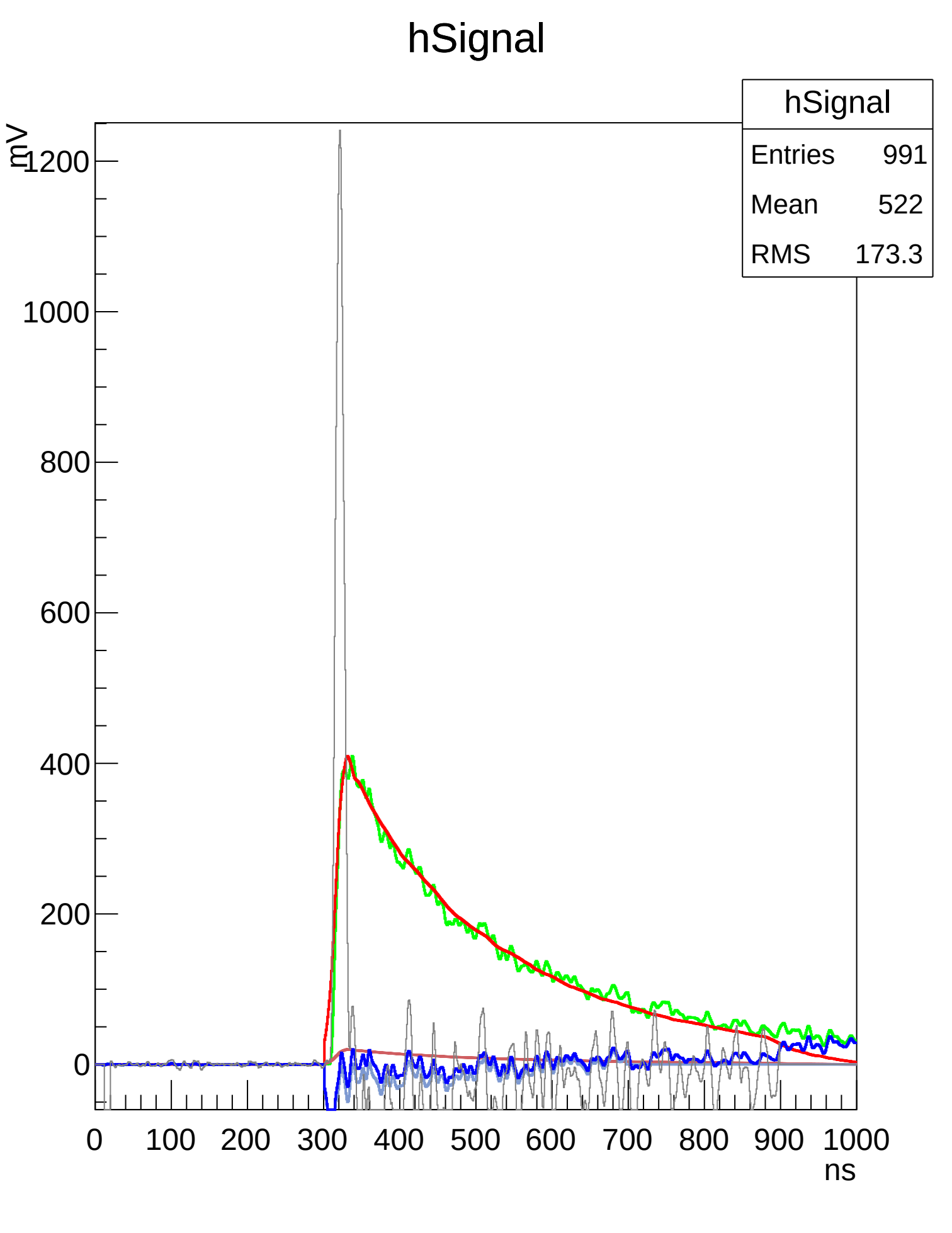

hSignal
hSignal
Entries 991
Mean 477
RMS 176.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

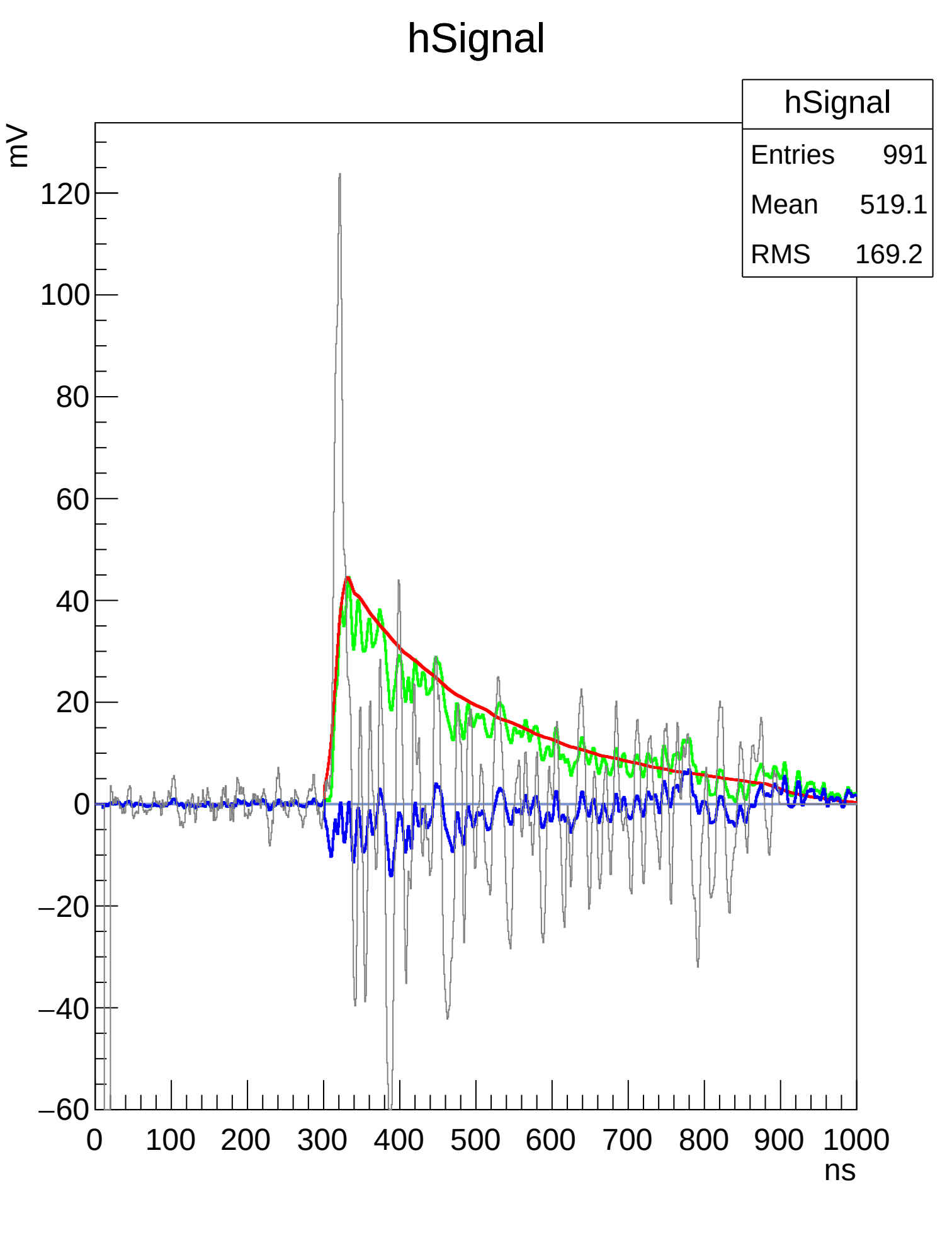

hSignal
hSignal
Entries 991
Mean 549.5
RMS 135.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

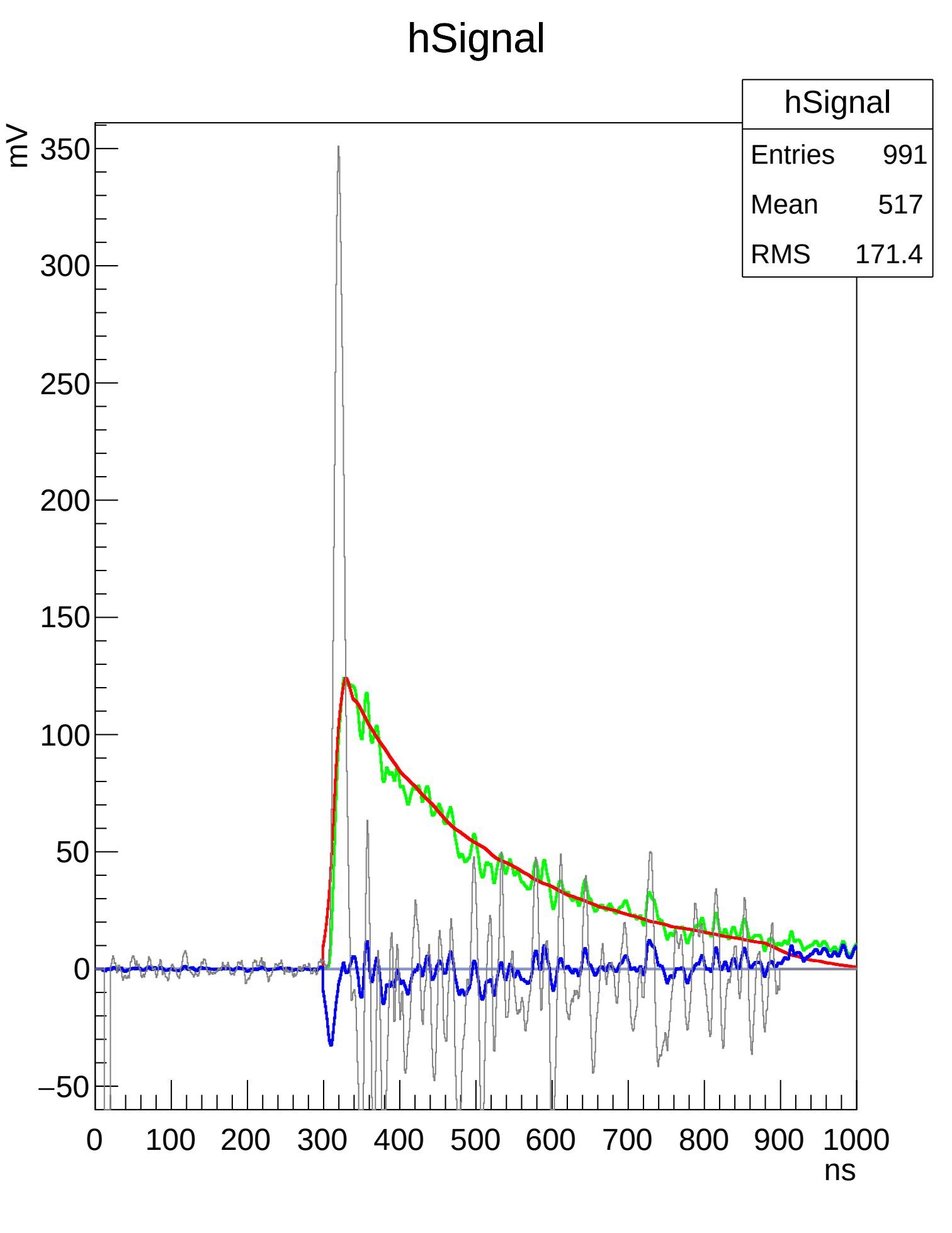

hSignal
hSignal
Entries 991
Mean 509.8
RMS 174.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

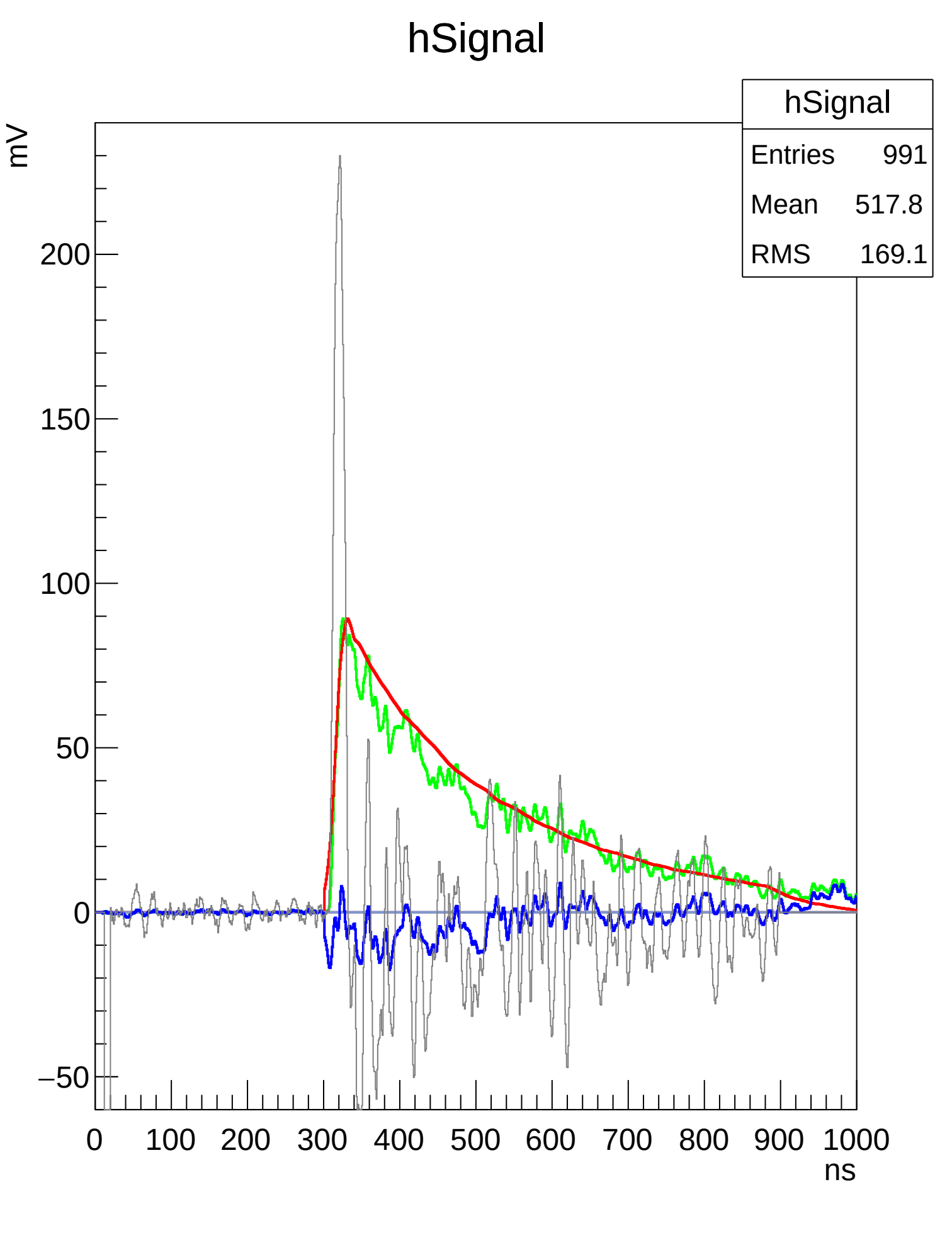

hSignal
hSignal
Entries 991
Mean 558.4
RMS 160
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

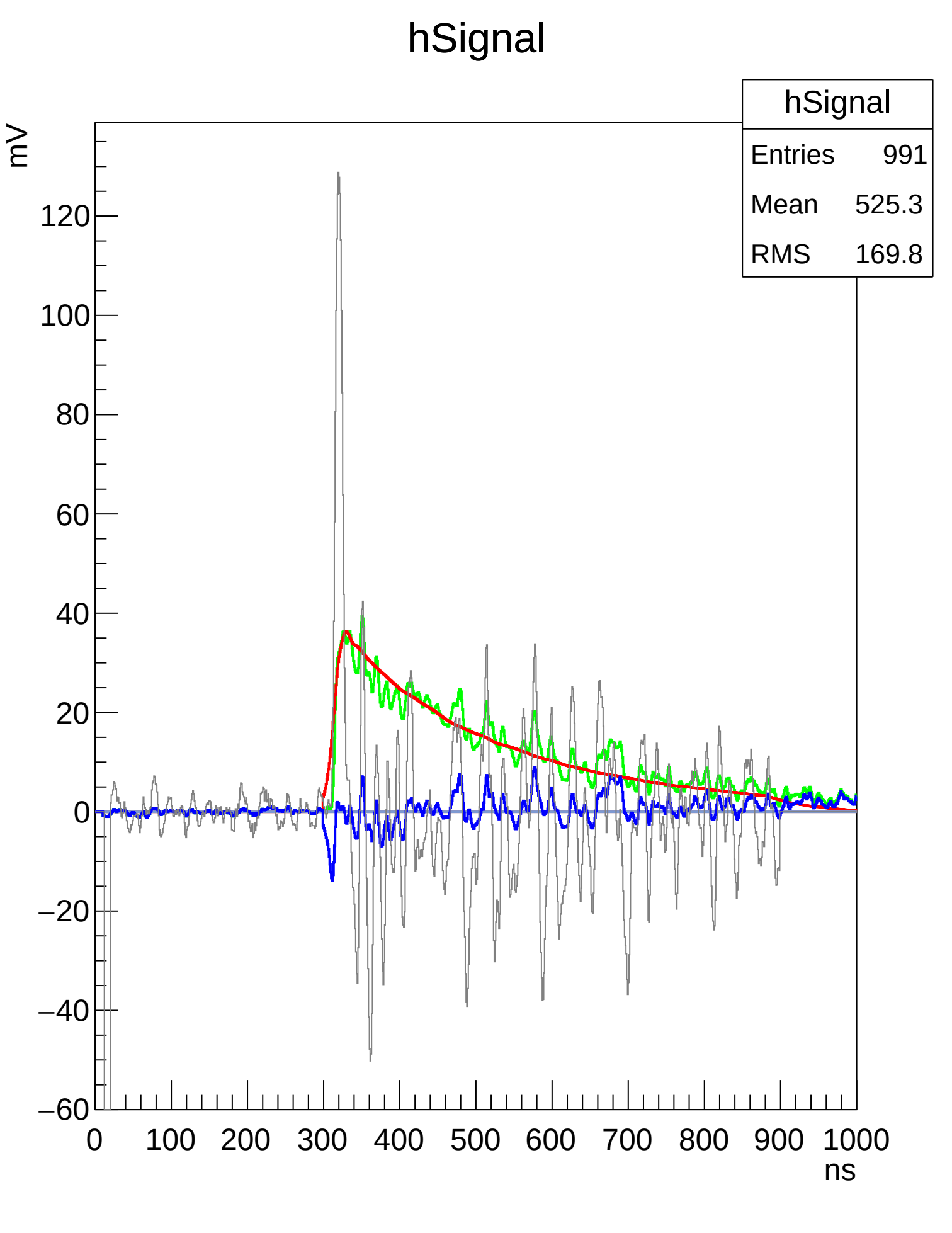

hSignal
hSignal
Entries 991
Mean 561.2
RMS 160.9
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

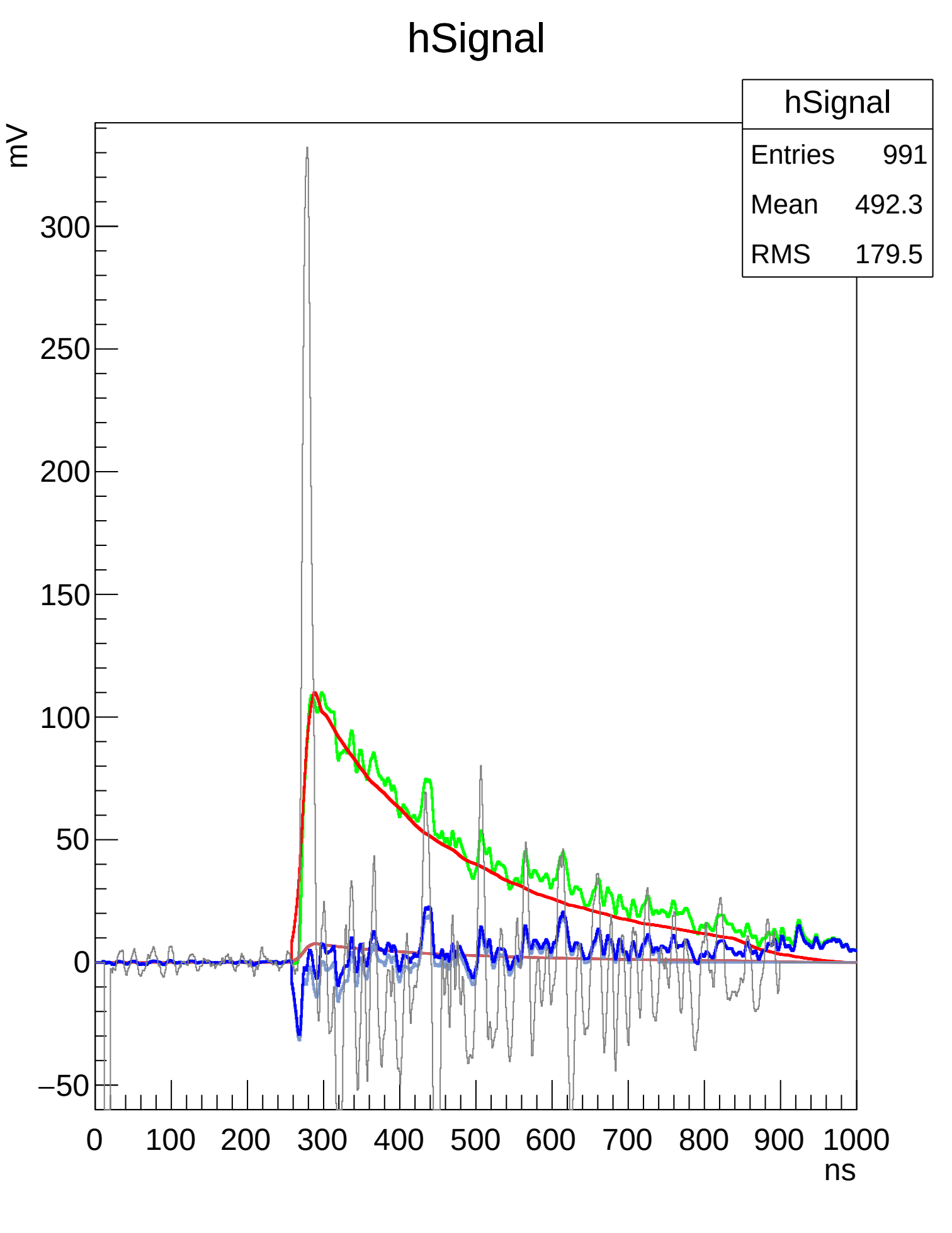

hSignal
hSignal
Entries 991
Mean 522
RMS 173.3
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

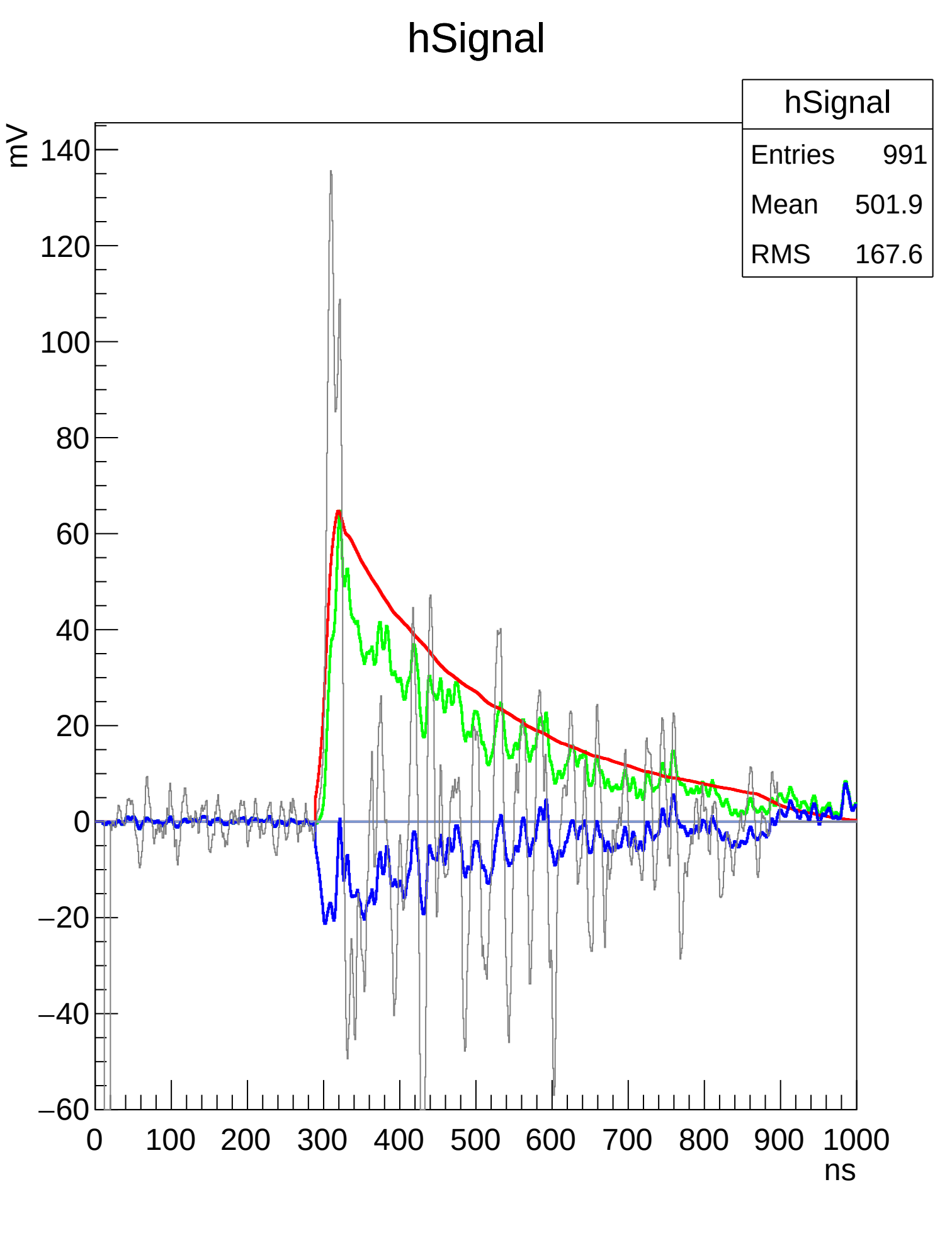

hSignal
hSignal
Entries 991
Mean 519.1
RMS 169.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

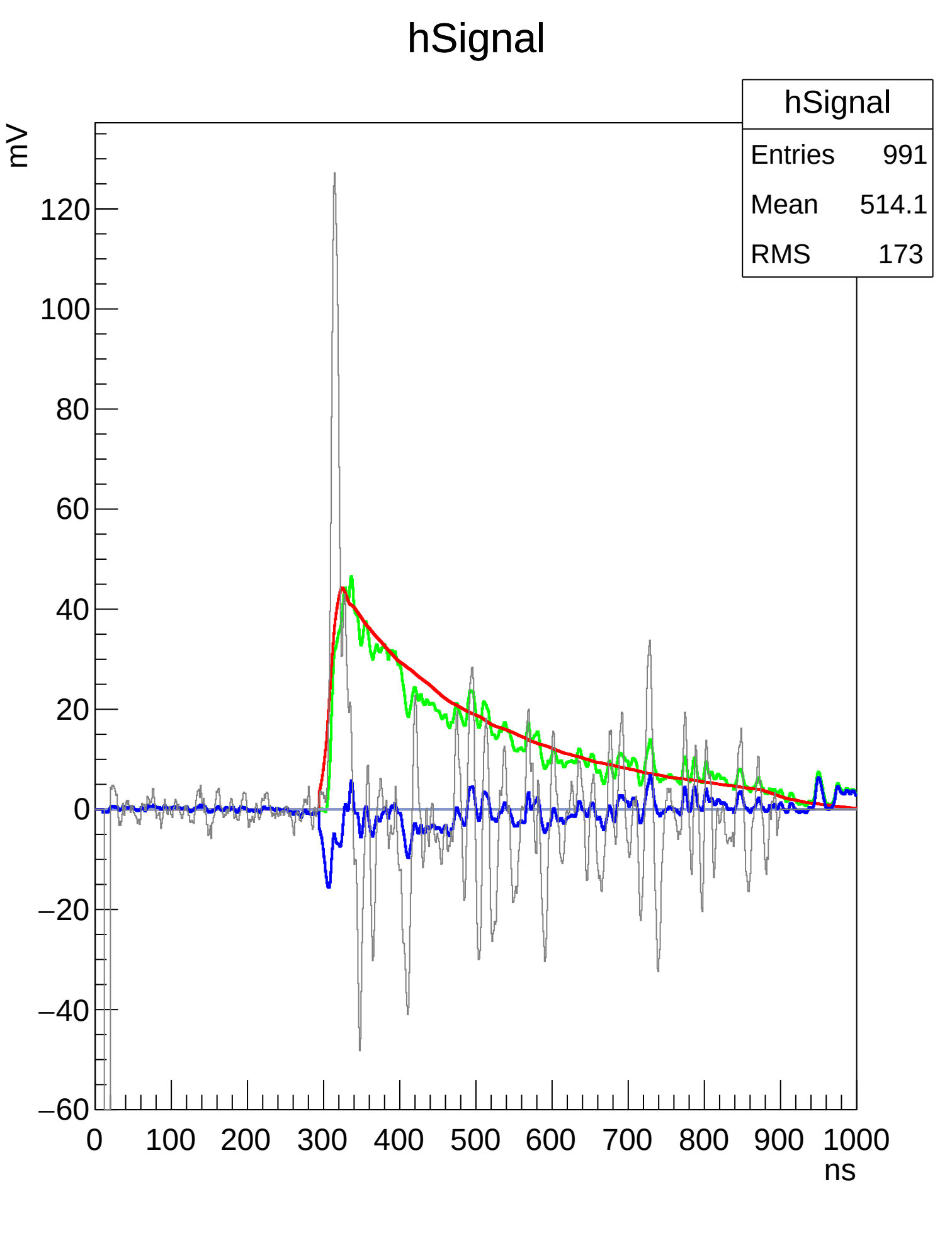

hSignal
hSignal
Entries 991
Mean 517
RMS 171.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

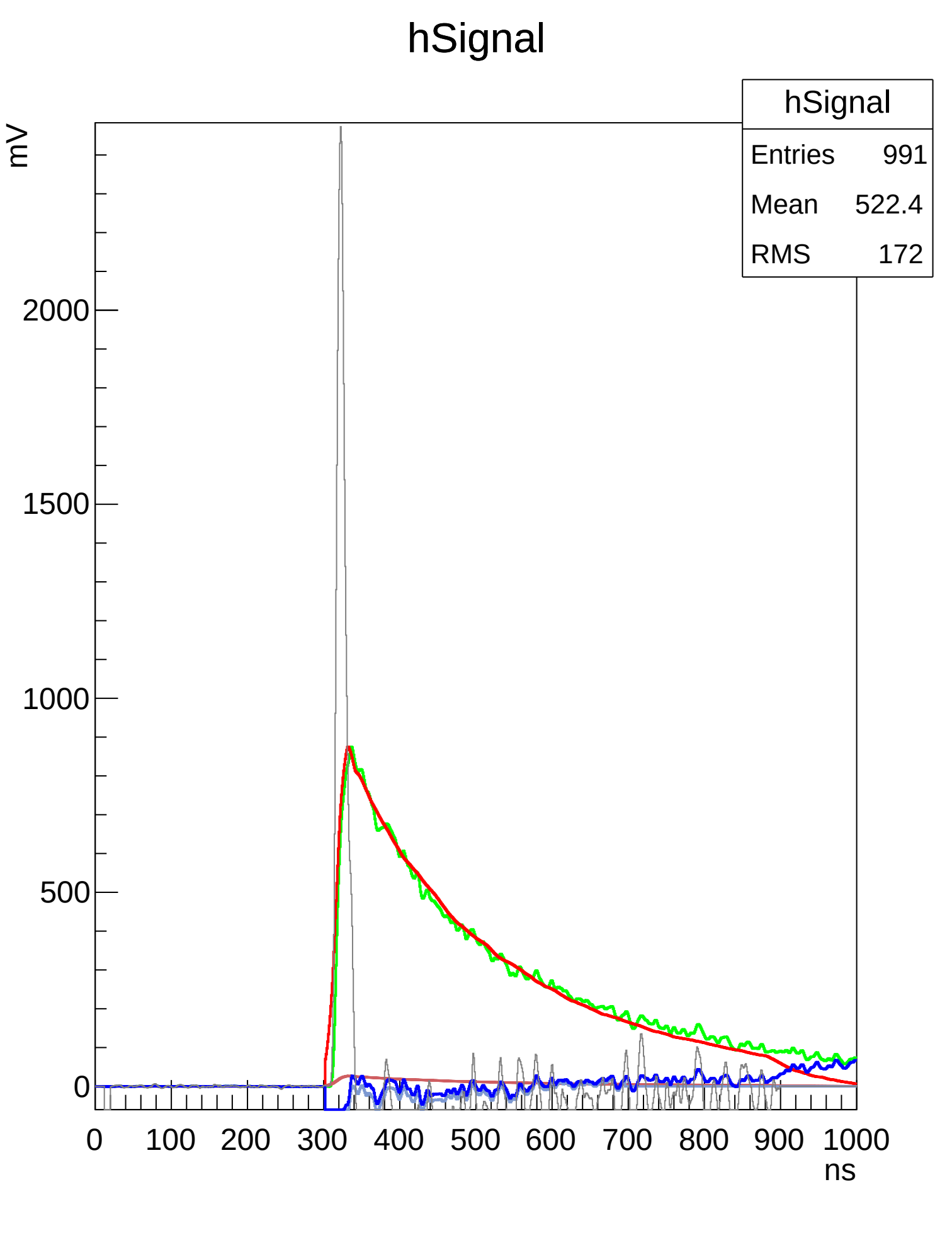

hSignal
hSignal
Entries 991
Mean 517.8
RMS 169.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

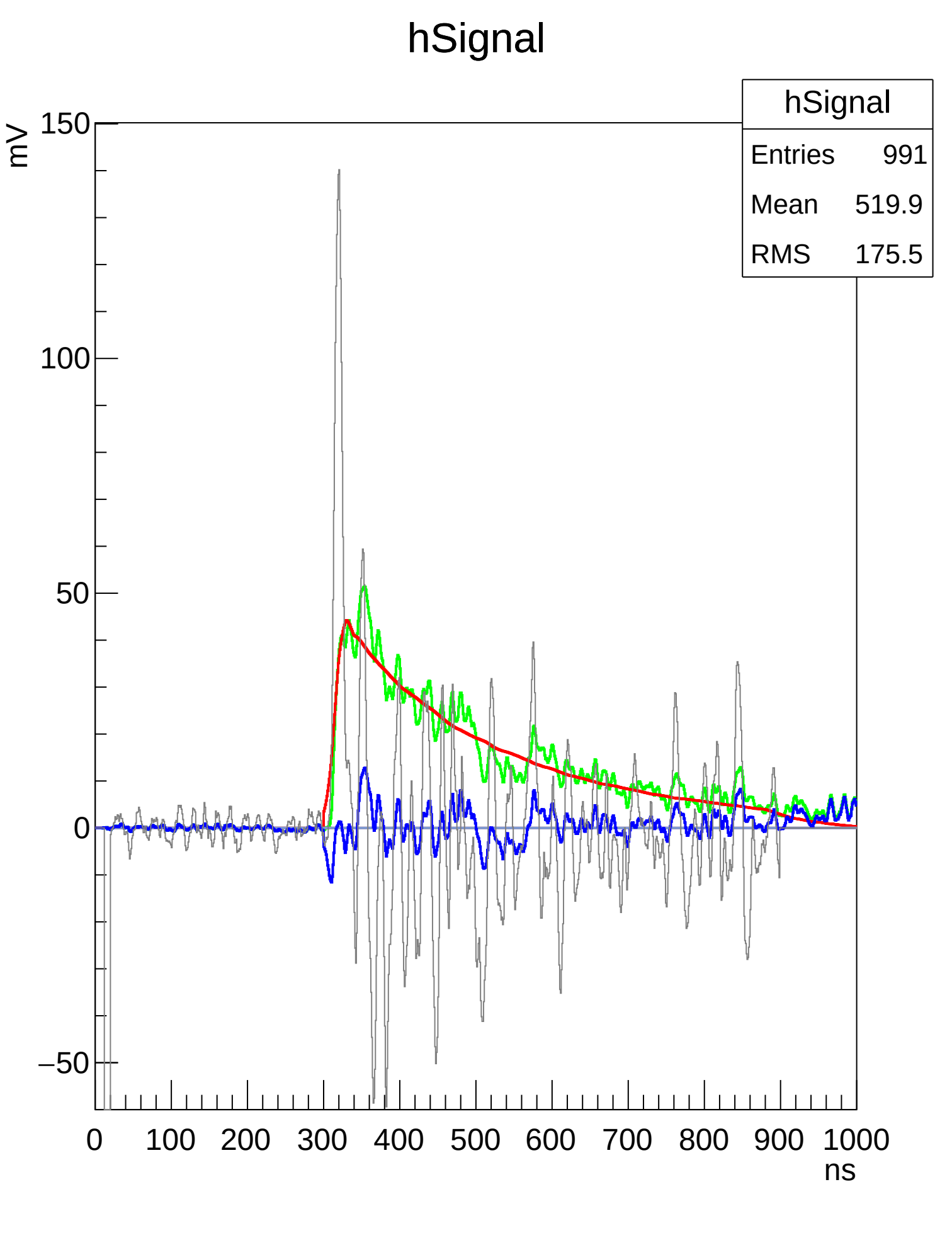

hSignal
hSignal
Entries 991
Mean 525.3
RMS 169.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

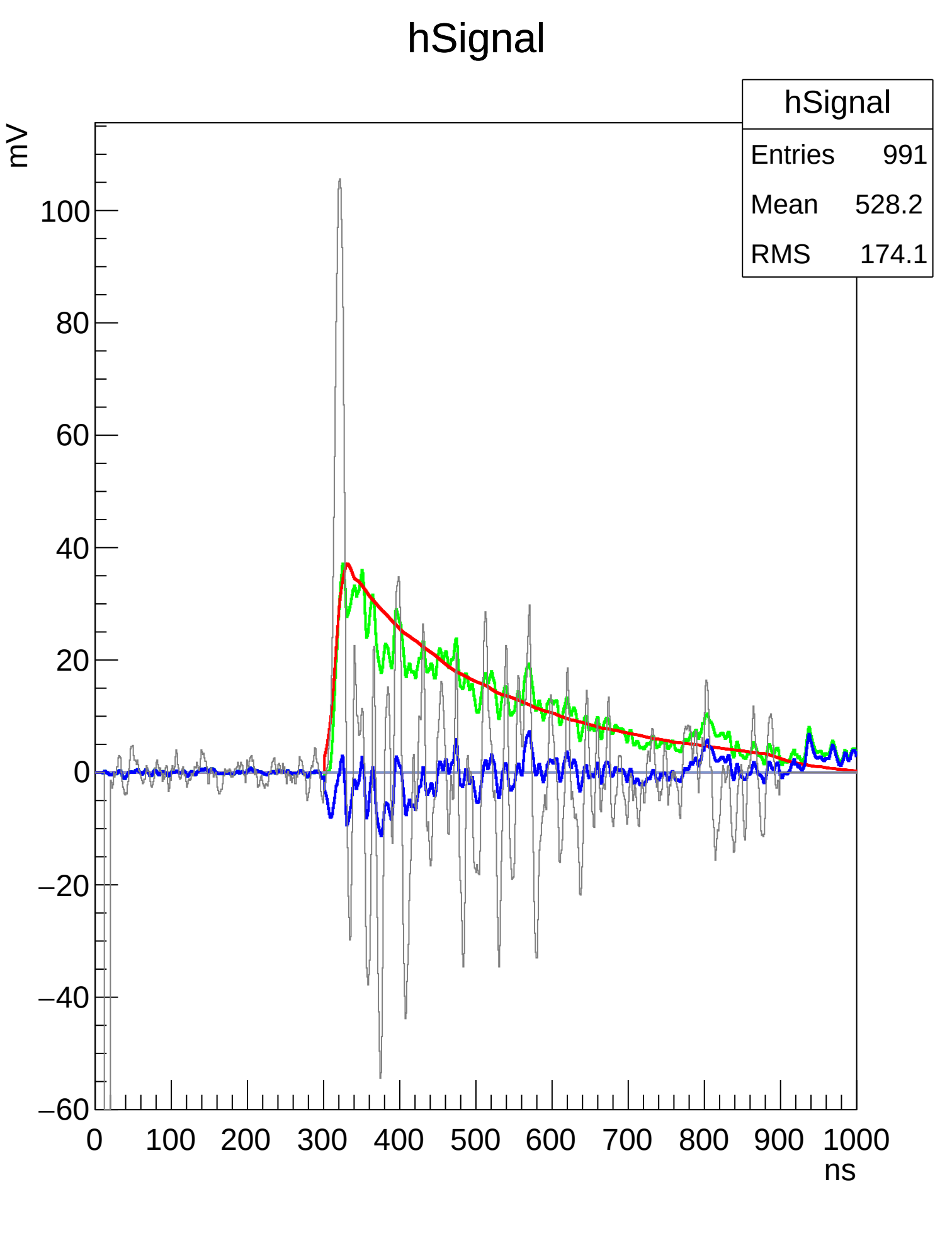

hSignal
hSignal
Entries 991
Mean 492.3
RMS 179.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

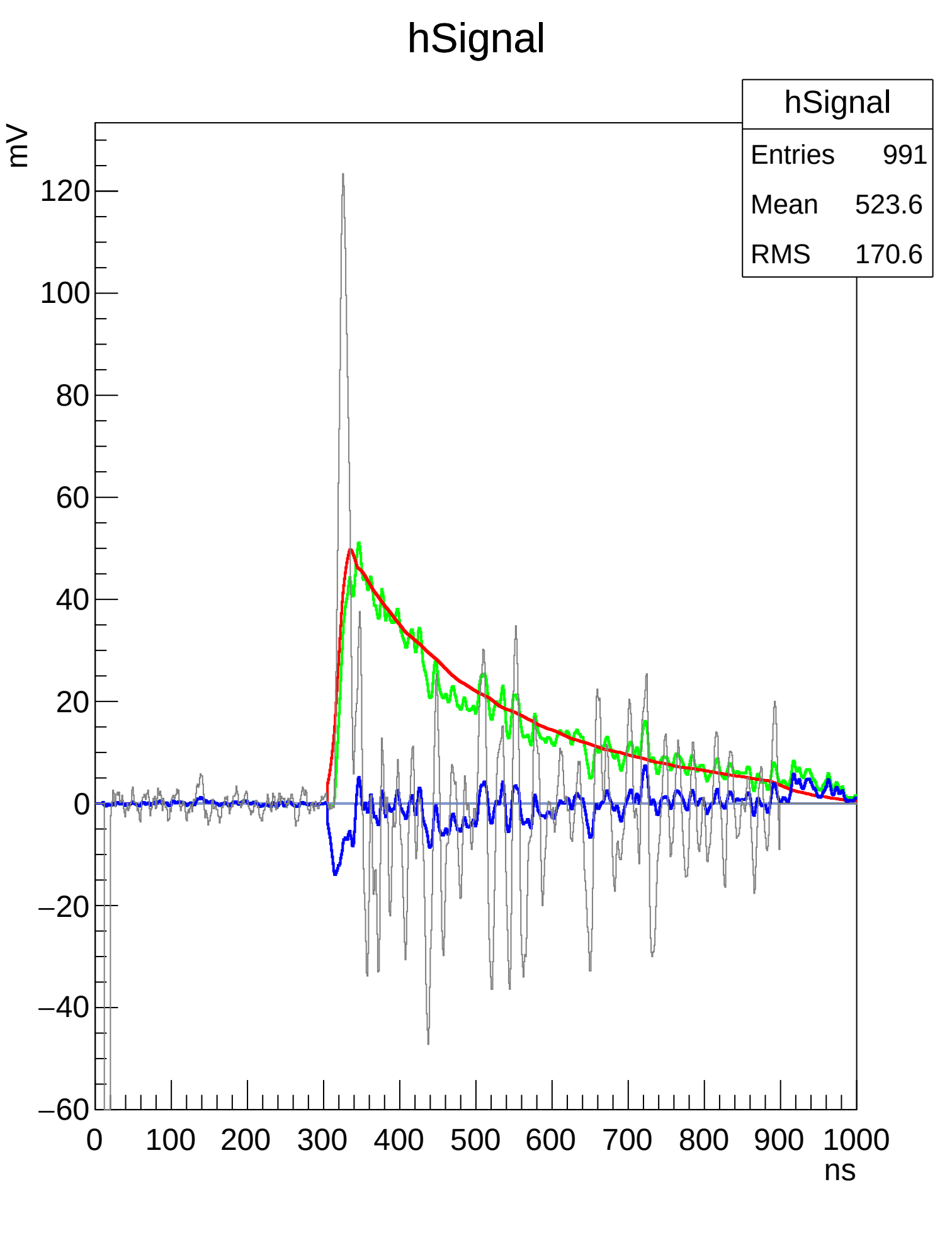

hSignal
hSignal
Entries 991
Mean 501.9
RMS 167.6
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

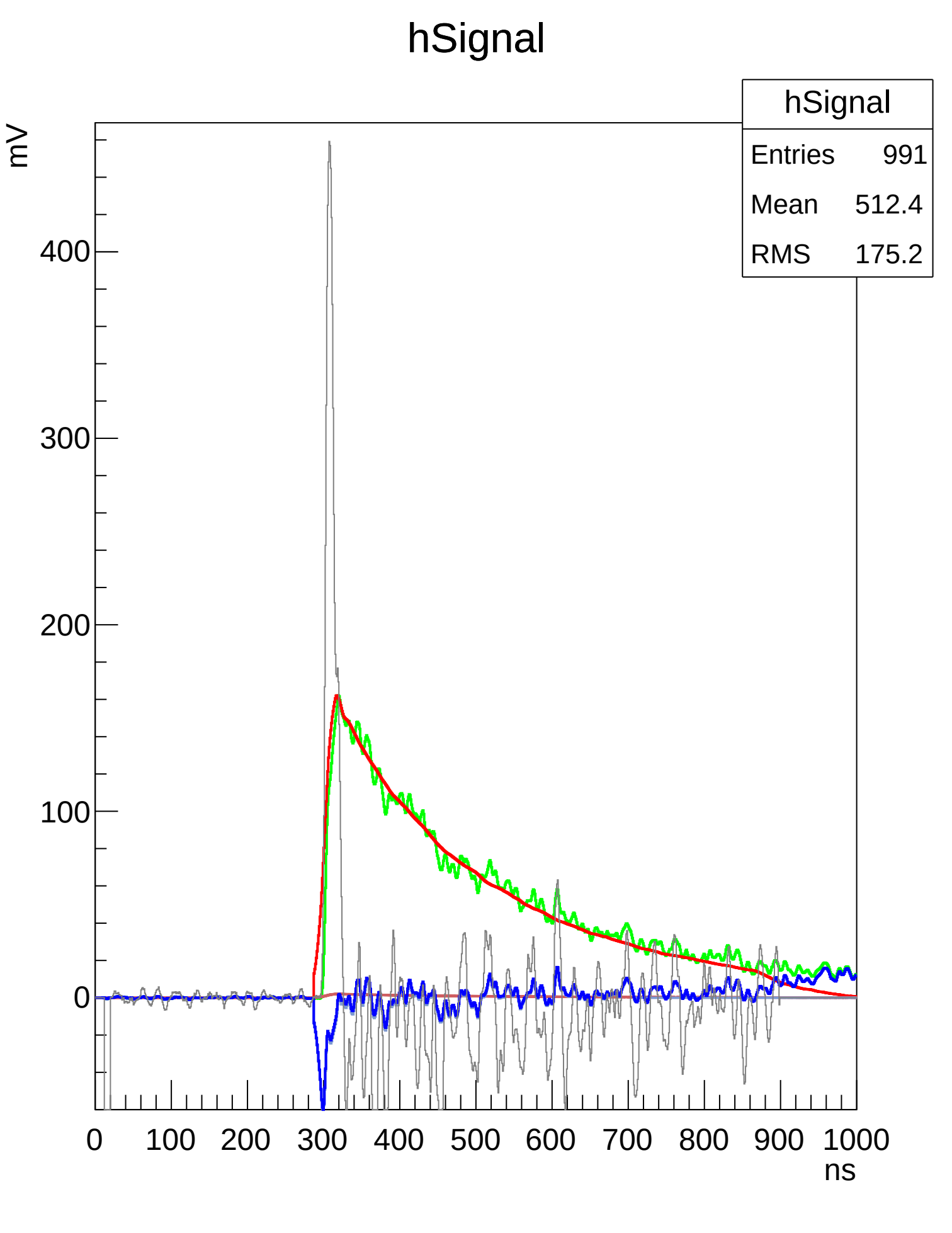

hSignal
hSignal
Entries 991
Mean 514.1
RMS 173
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

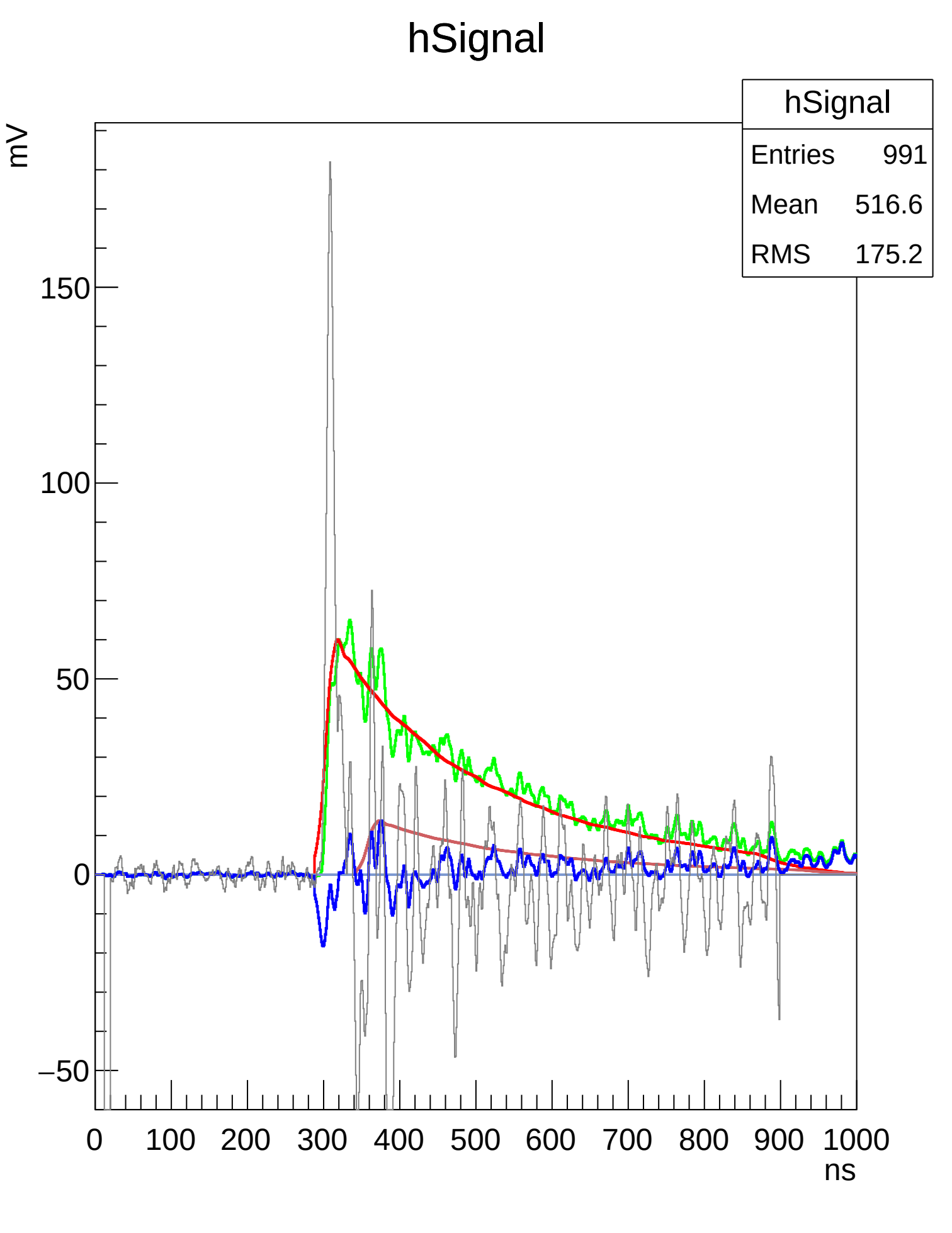

hSignal
hSignal
Entries 991
Mean 522.4
RMS 172
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

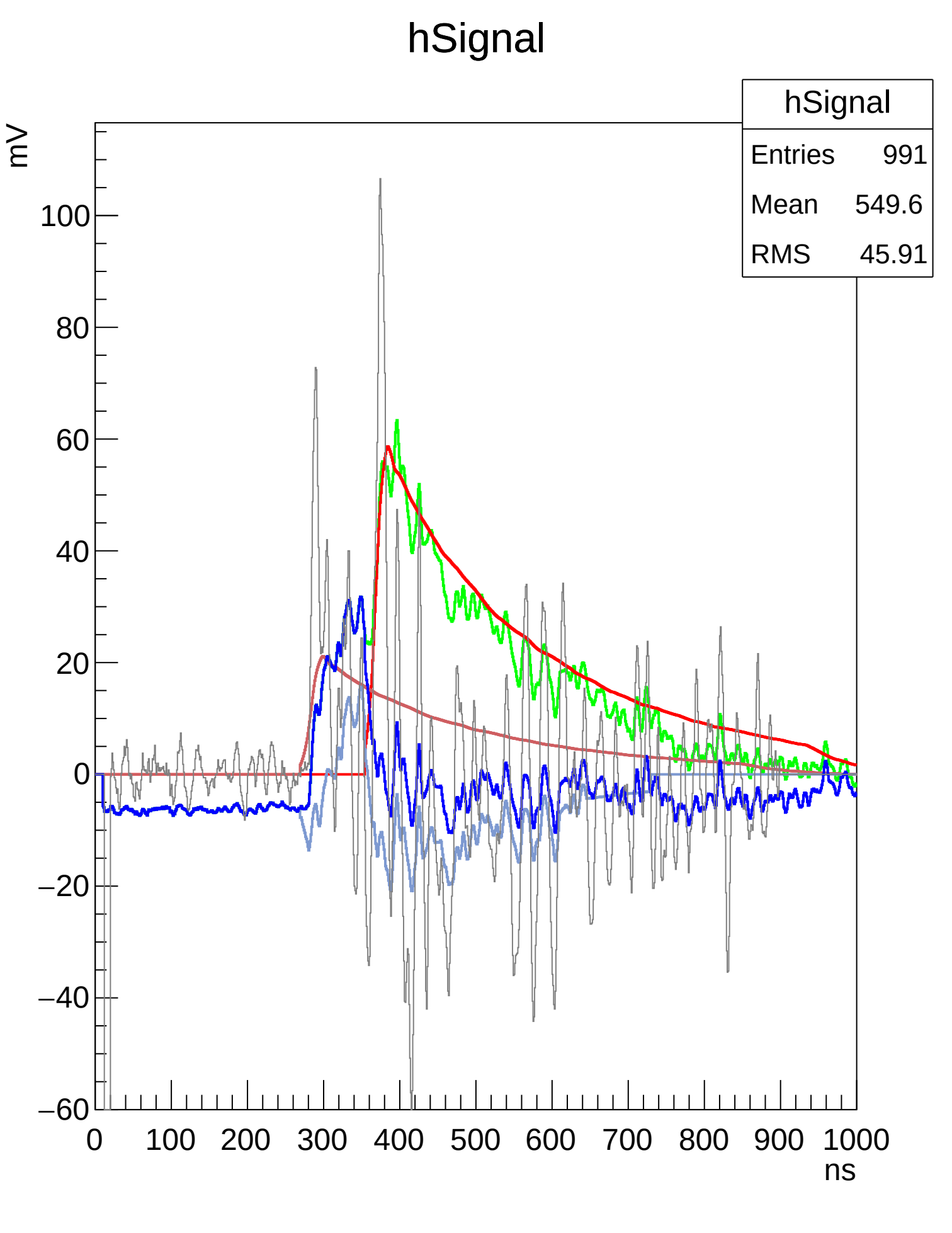

hSignal
hSignal
Entries 991
Mean 519.9
RMS 175.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

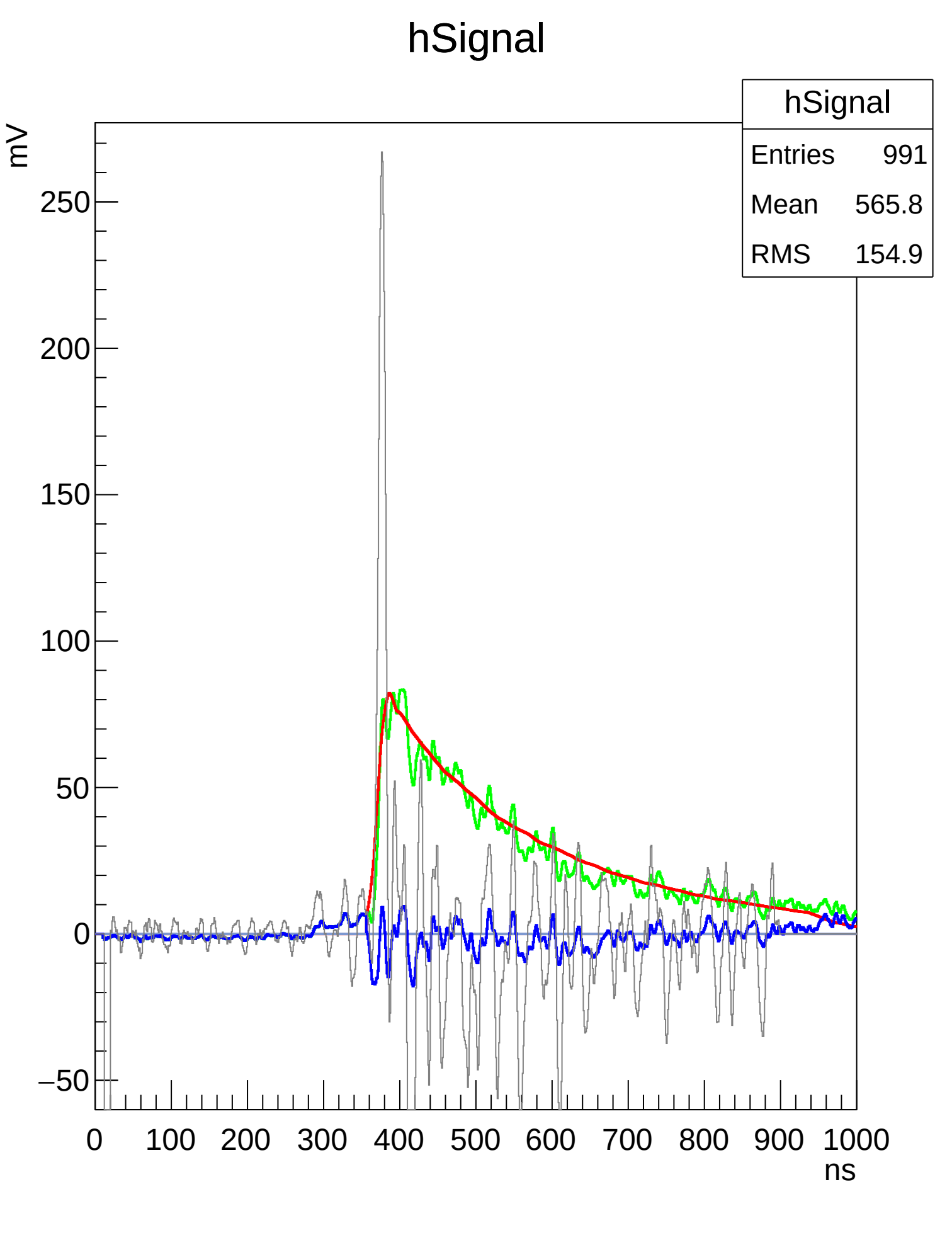

hSignal
hSignal
Entries 991
Mean 528.2
RMS 174.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

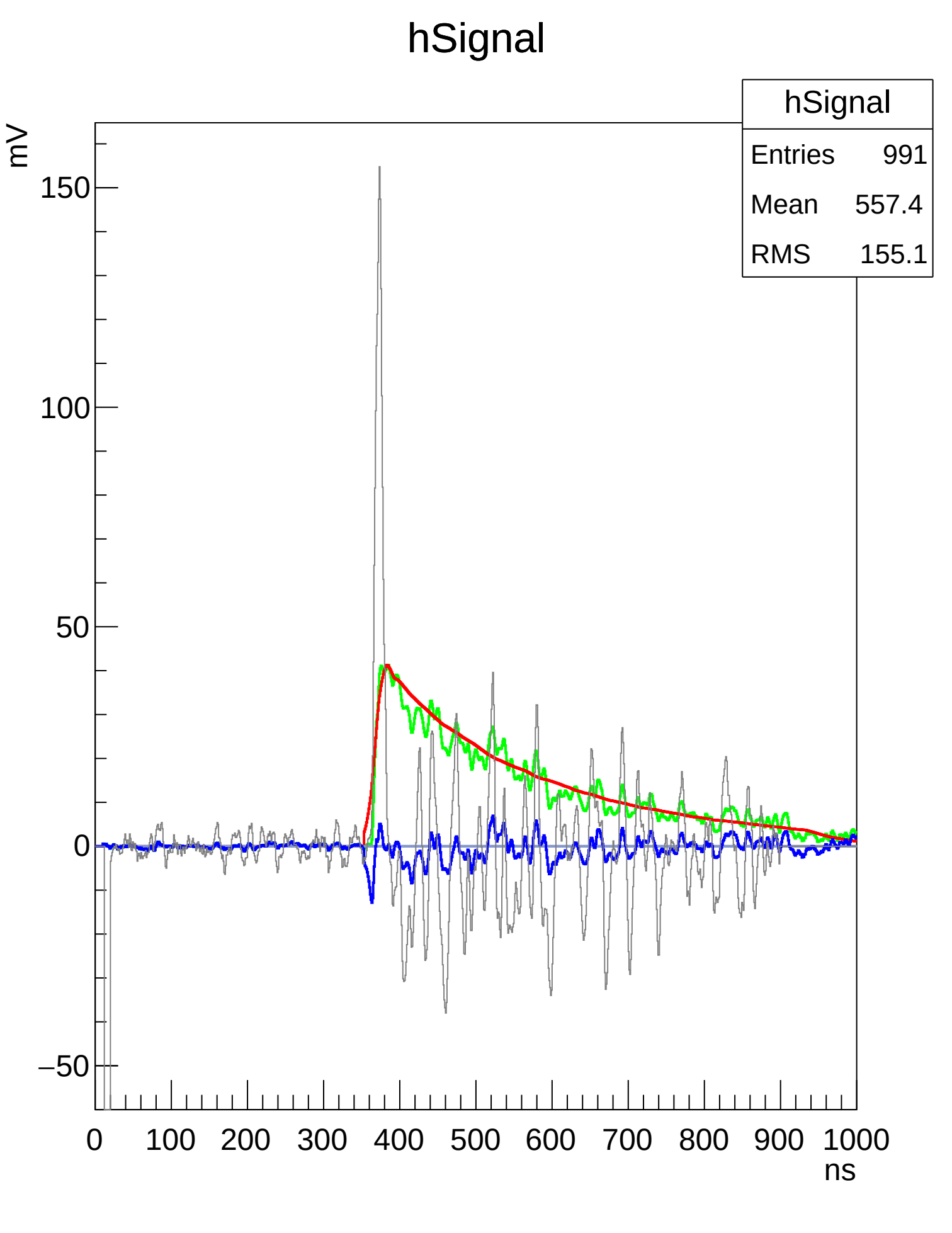

hSignal
hSignal
Entries 991
Mean 523.6
RMS 170.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

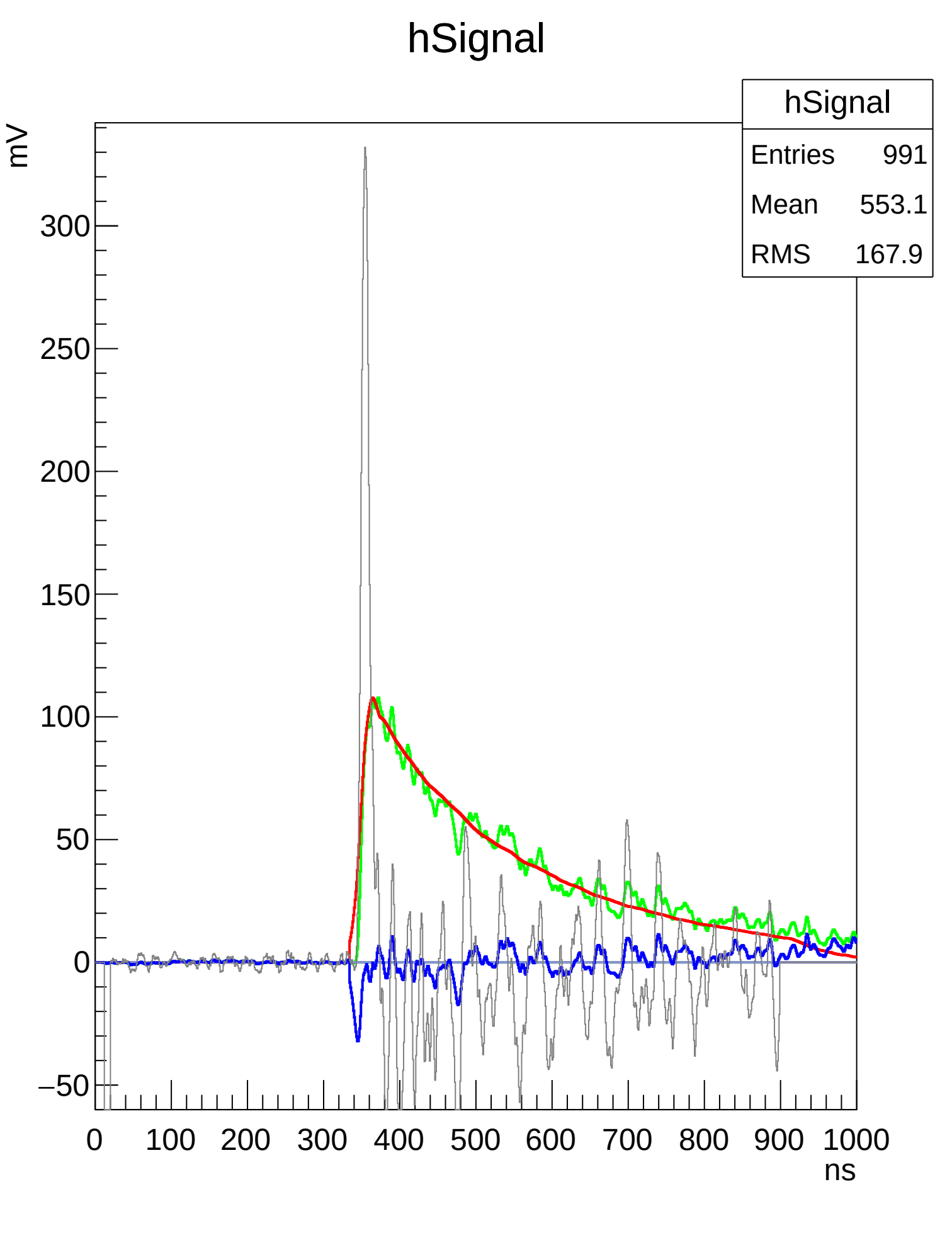

hSignal
hSignal
Entries 991
Mean 512.4
RMS 175.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

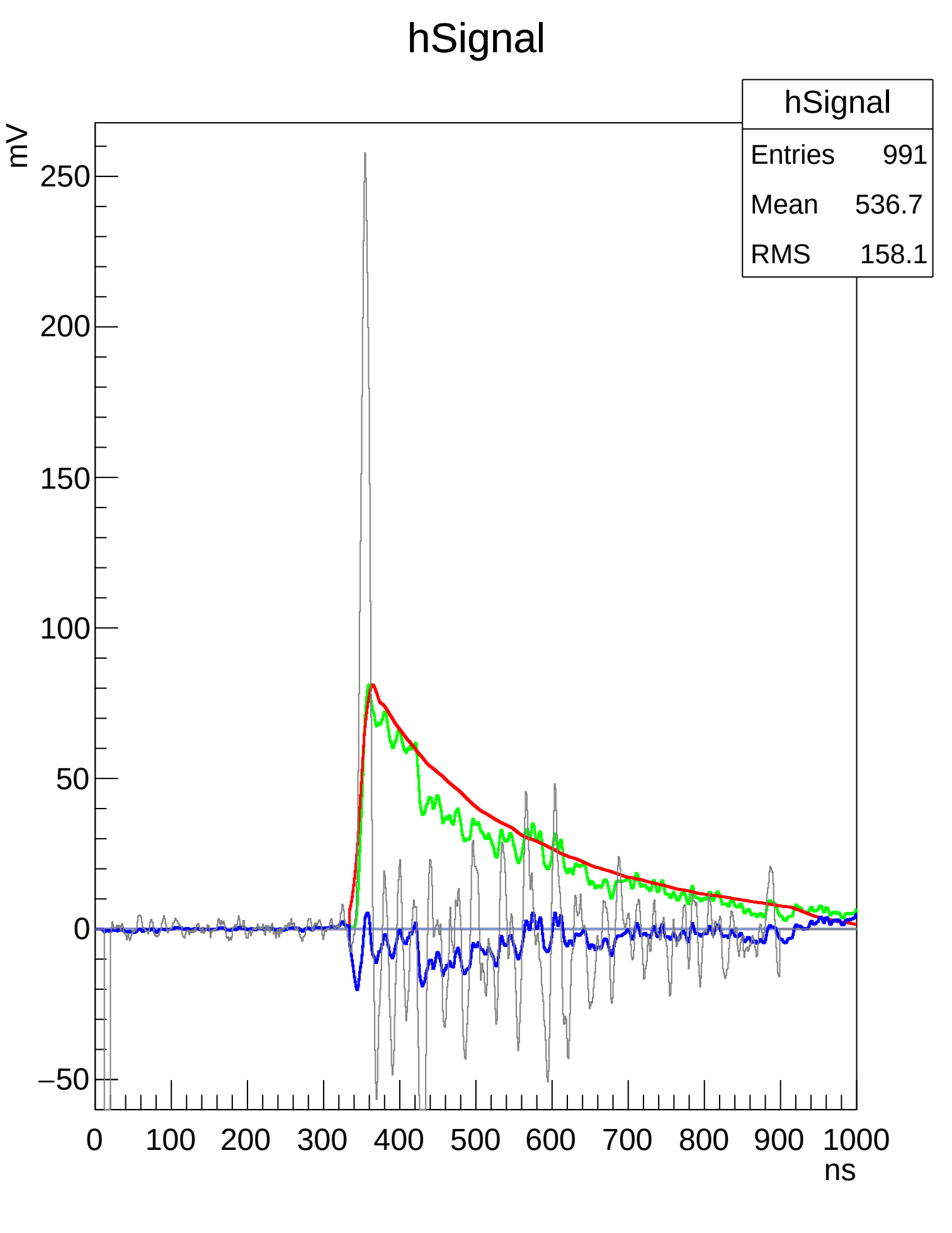

hSignal
hSignal
Entries 991
Mean 516.6
RMS 175.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

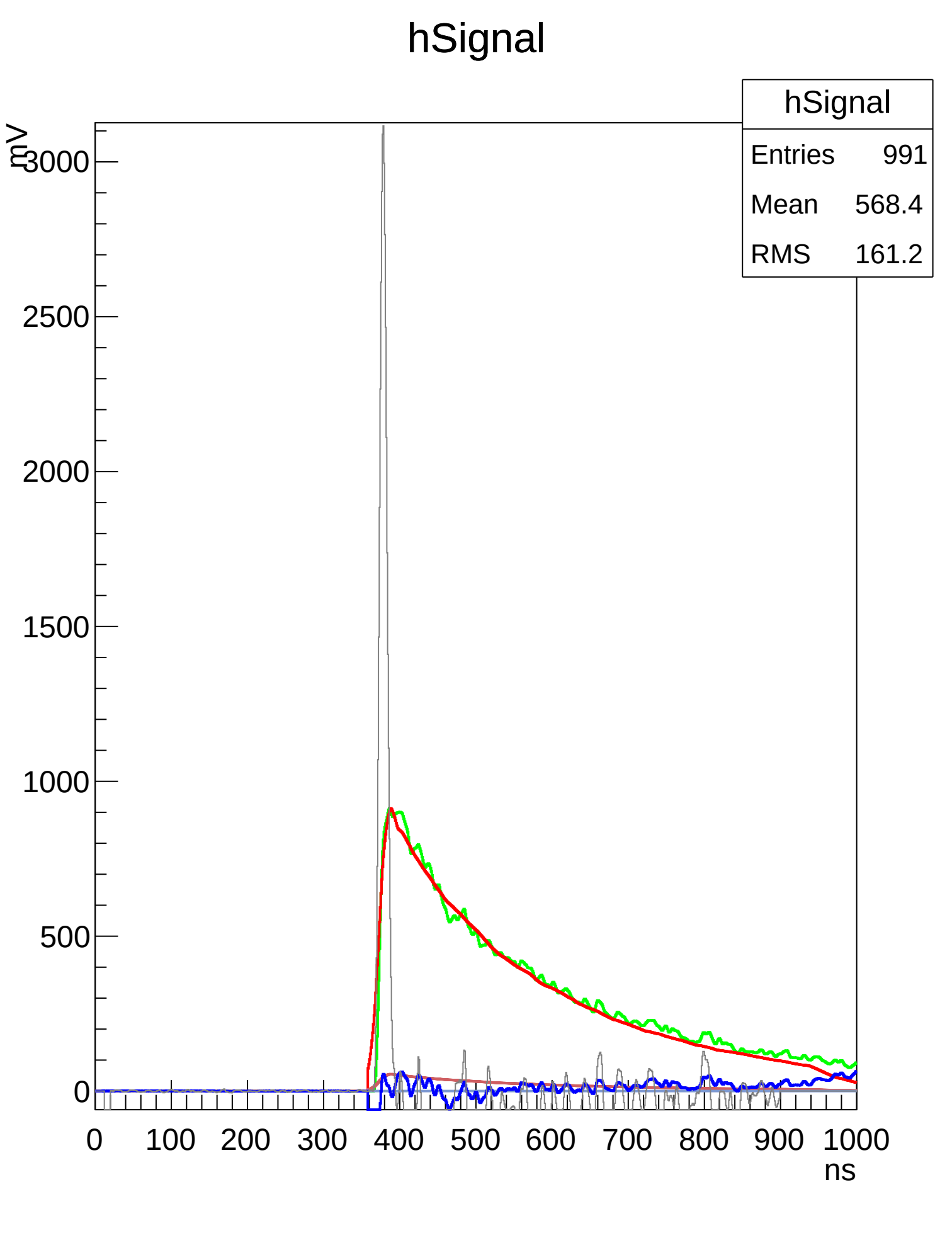

hSignal
hSignal
Entries 991
Mean 549.6
RMS 45.91
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

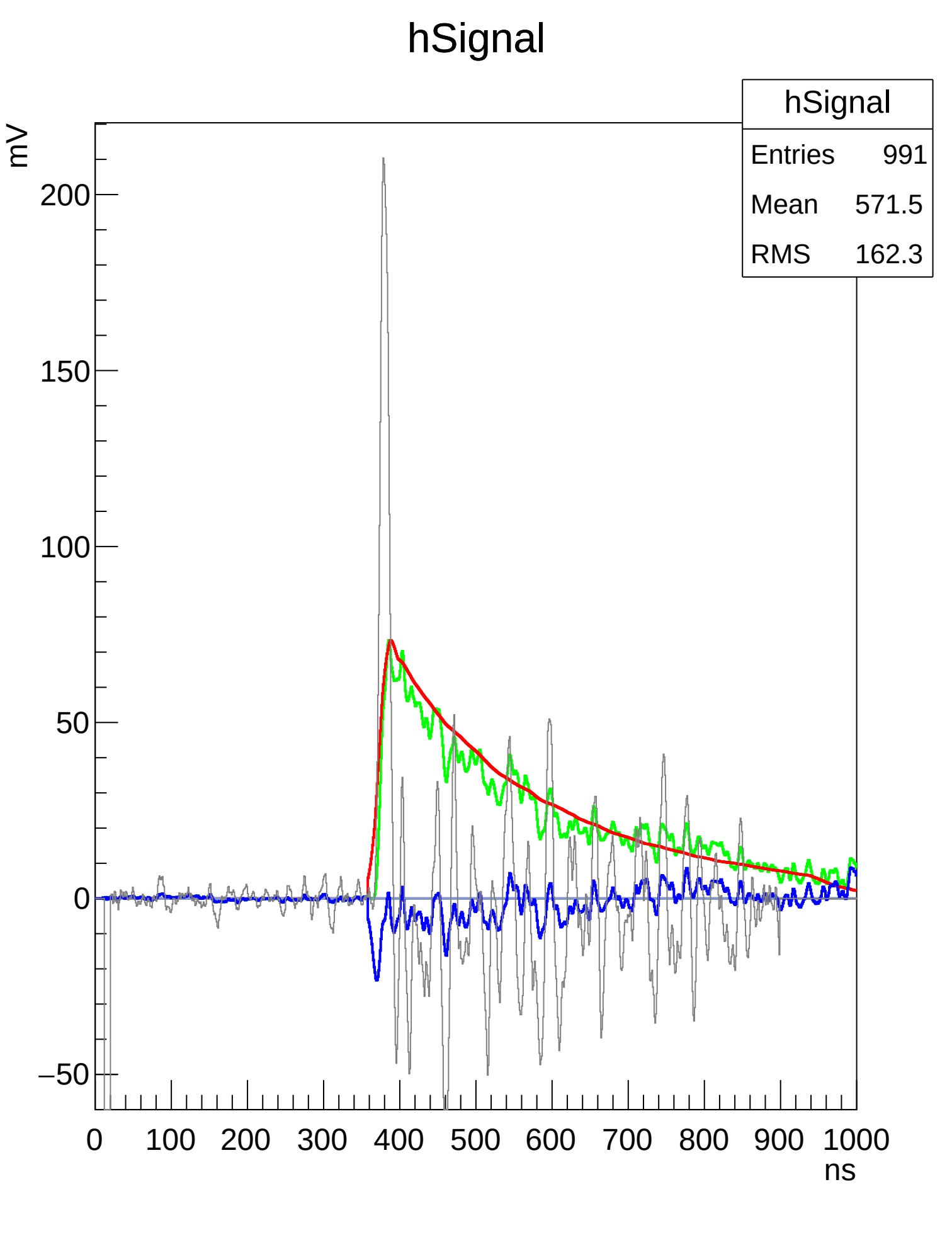

hSignal
hSignal
Entries 991
Mean 565.8
RMS 154.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

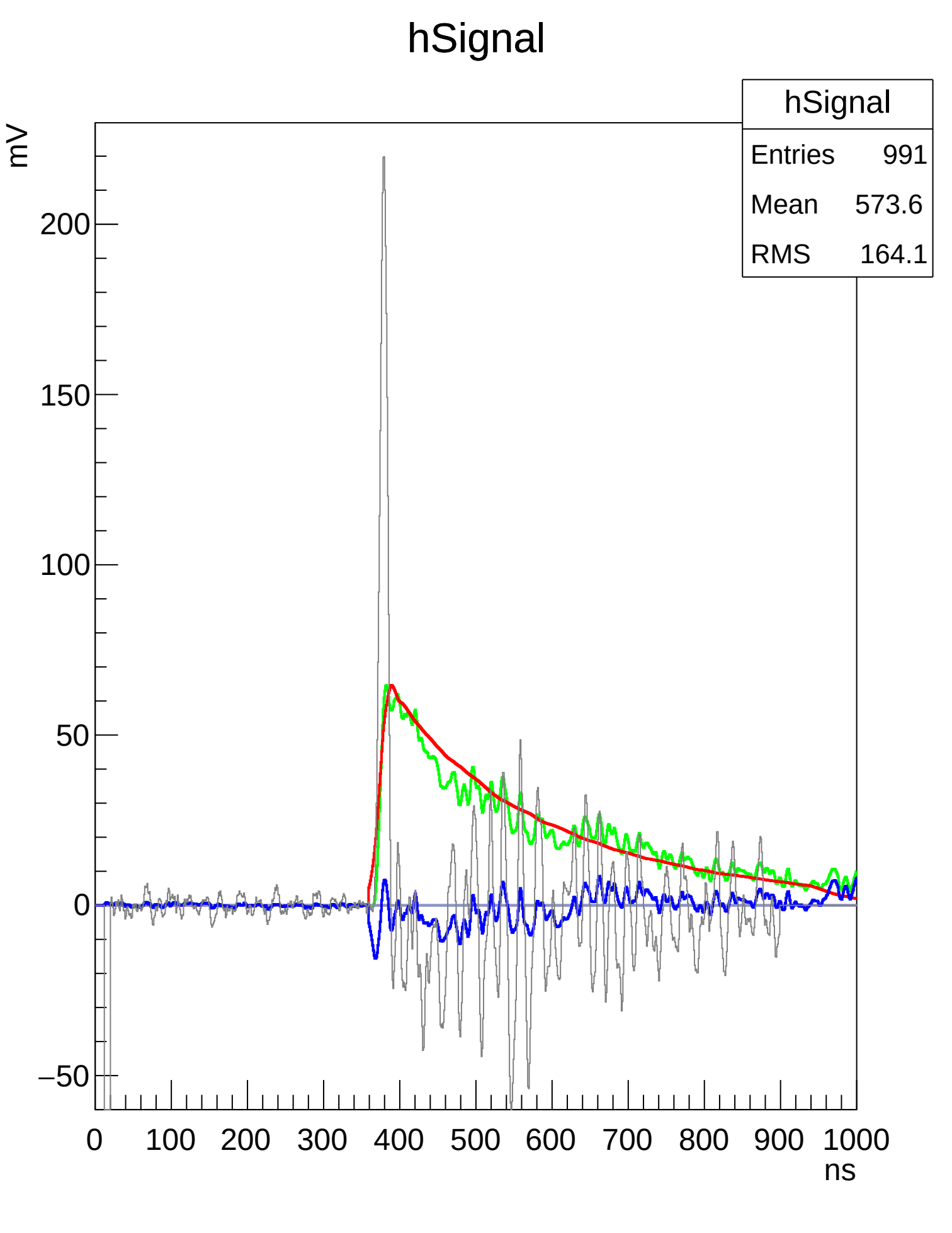

hSignal
hSignal
Entries 991
Mean 557.4
RMS 155.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

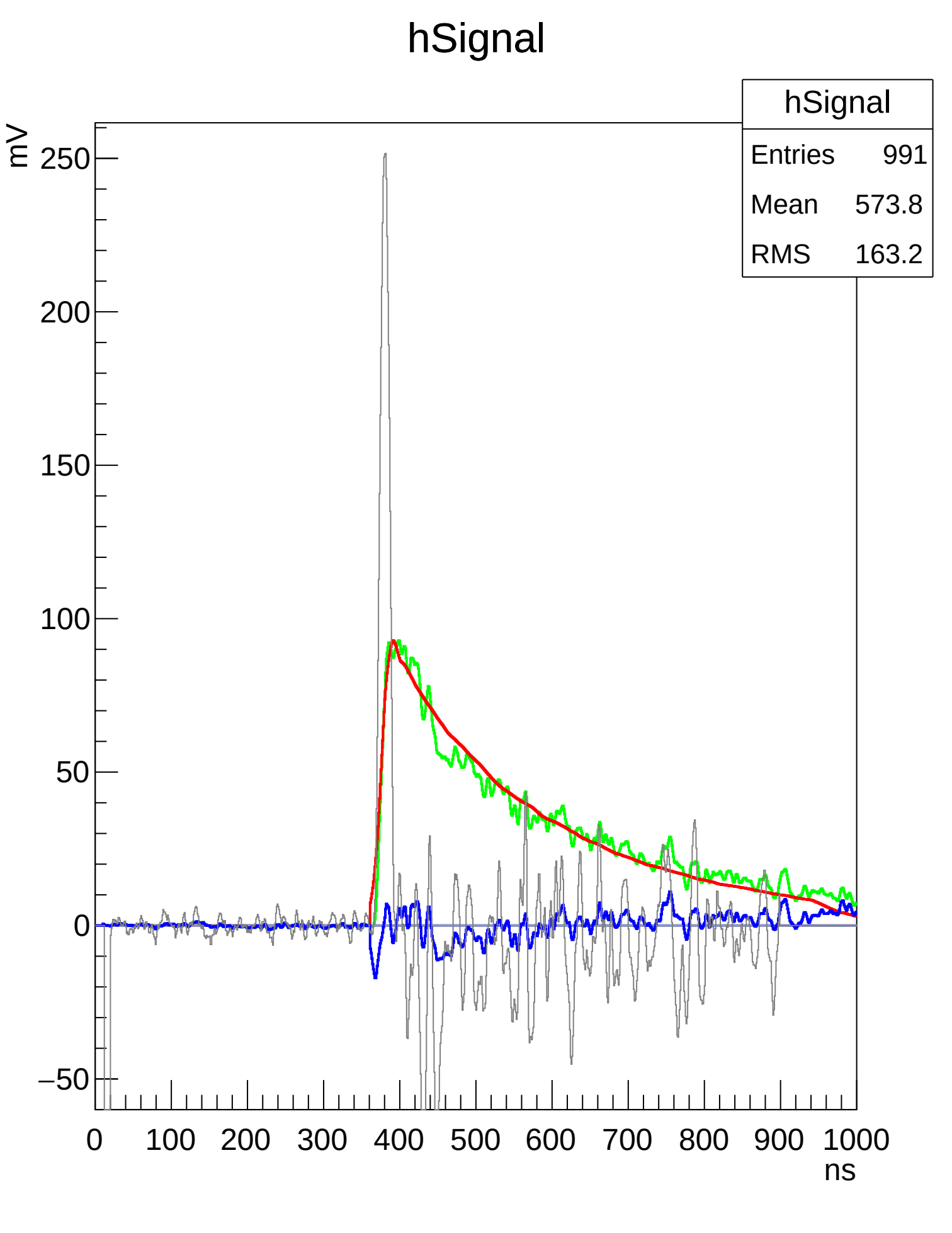

hSignal
hSignal
Entries 991
Mean 553.1
RMS 167.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

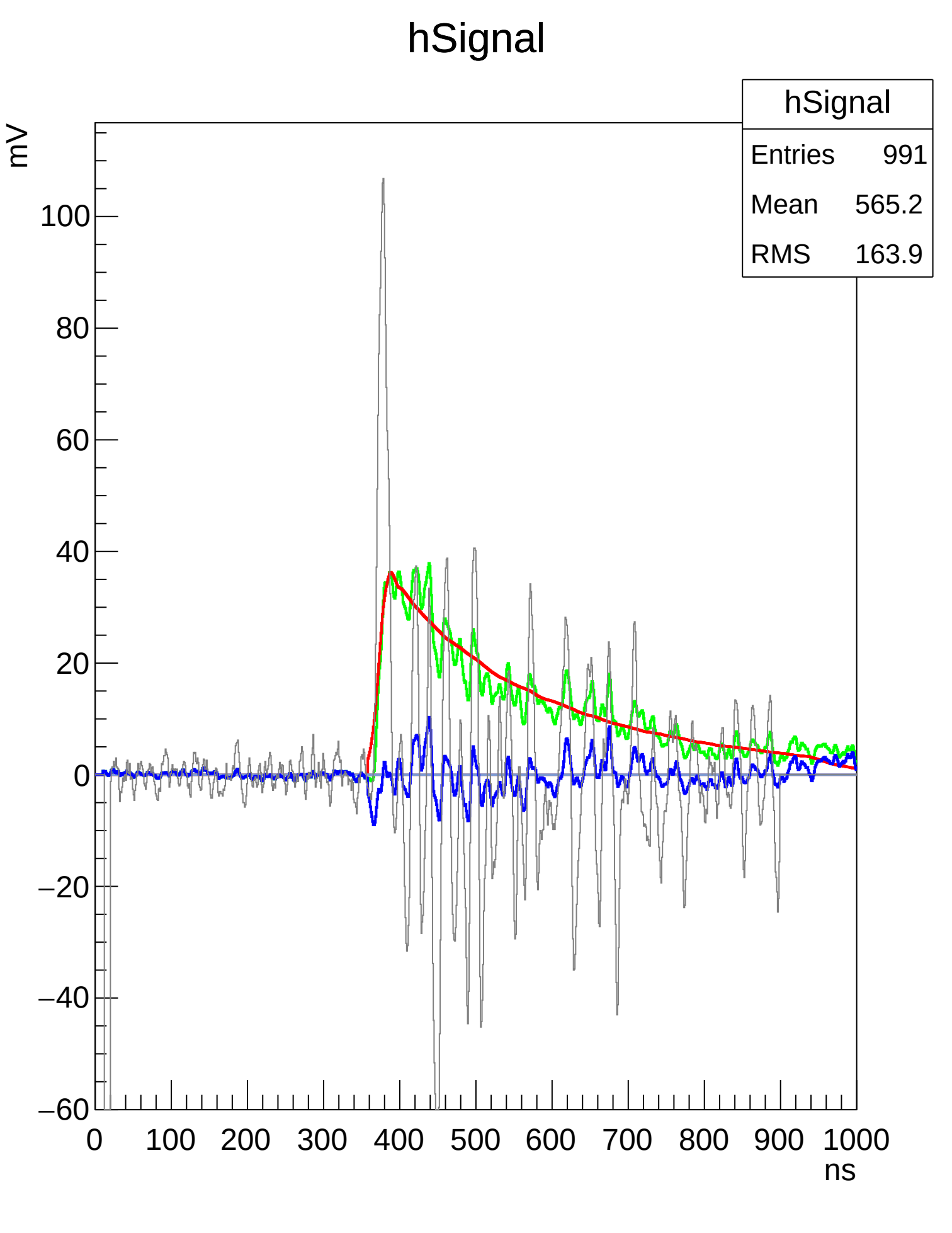

hSignal
hSignal
Entries 991
Mean 536.7
RMS 158.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

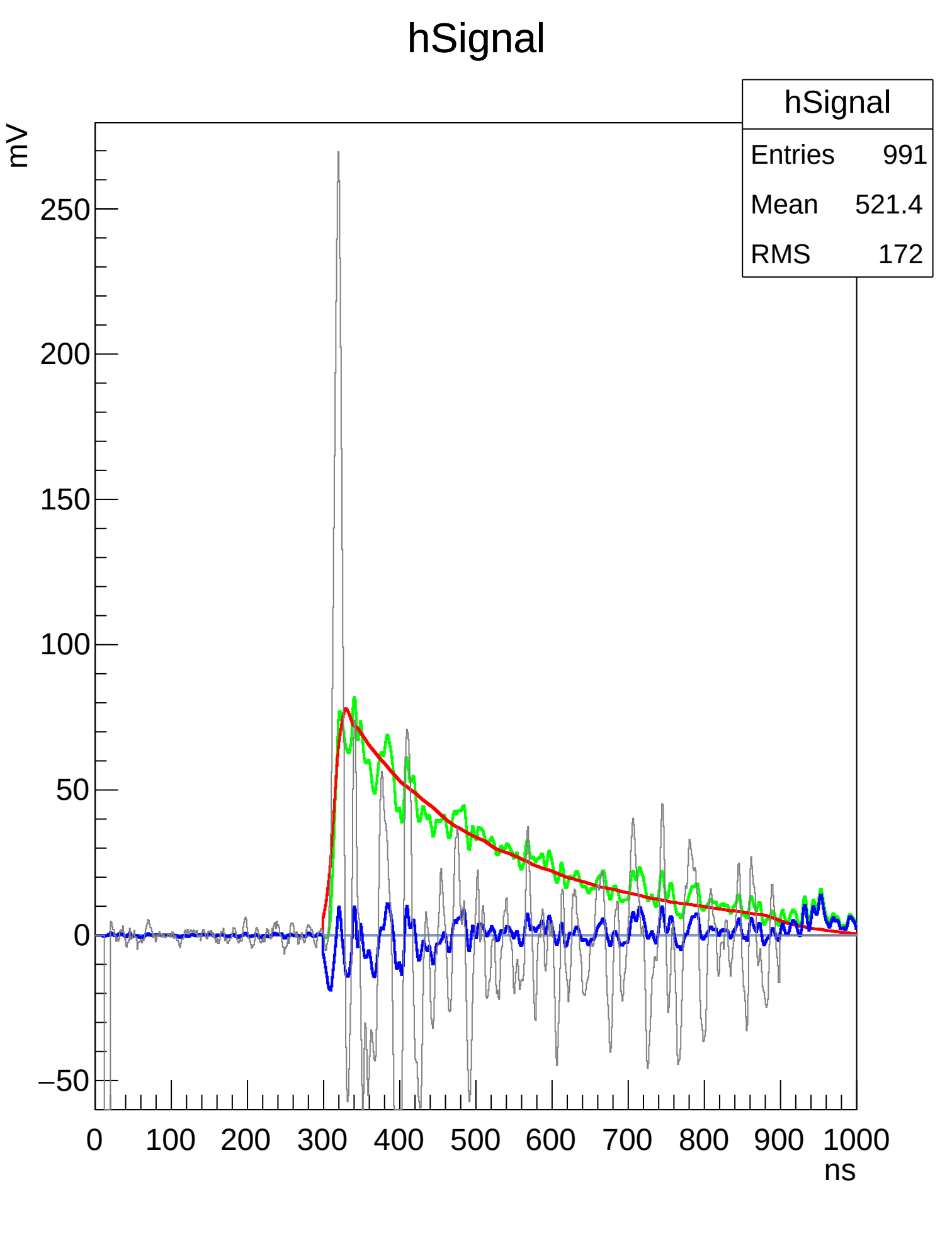

hSignal
hSignal
Entries 991
Mean 568.4
RMS 161.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

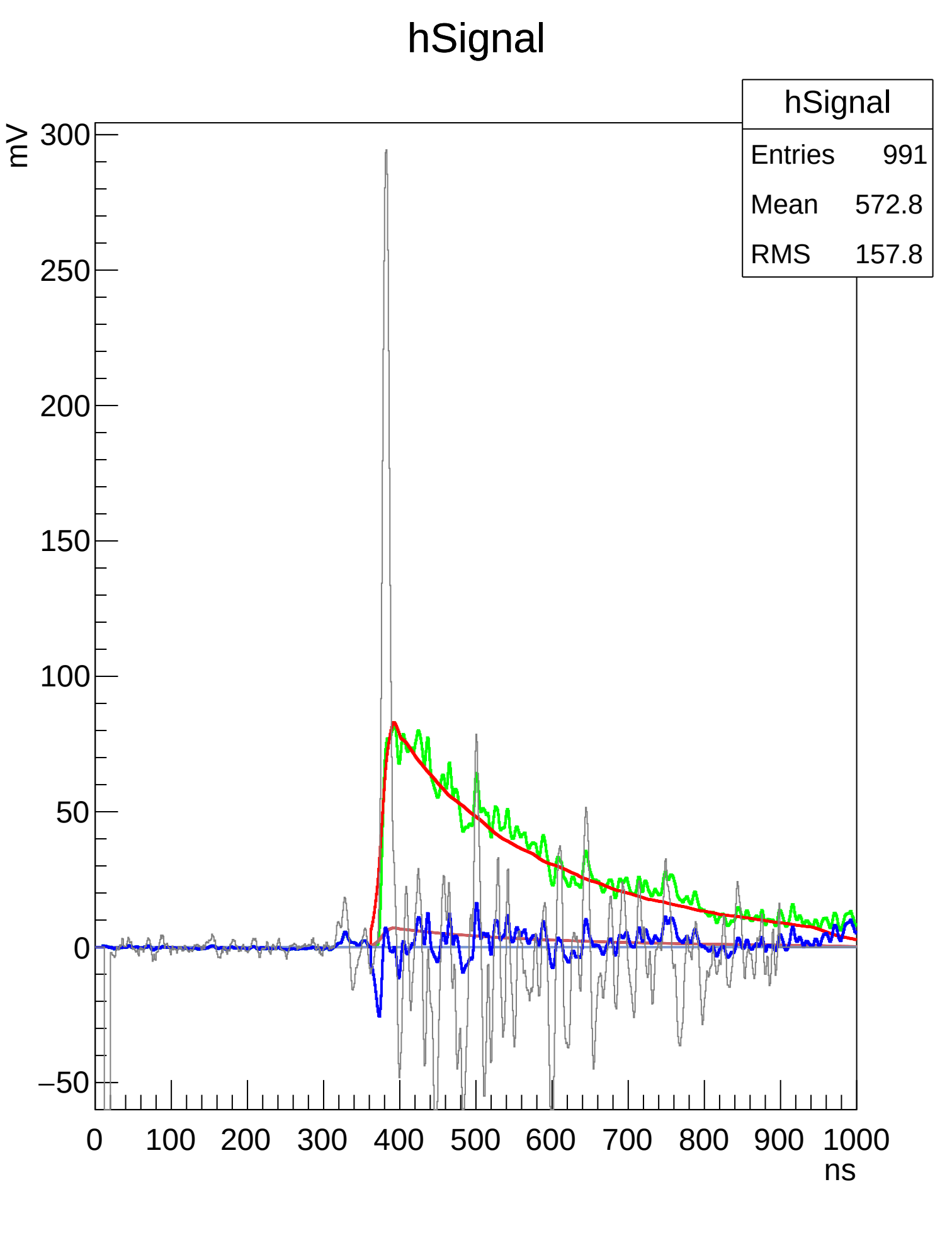

hSignal
hSignal
Entries 991
Mean 571.5
RMS 162.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

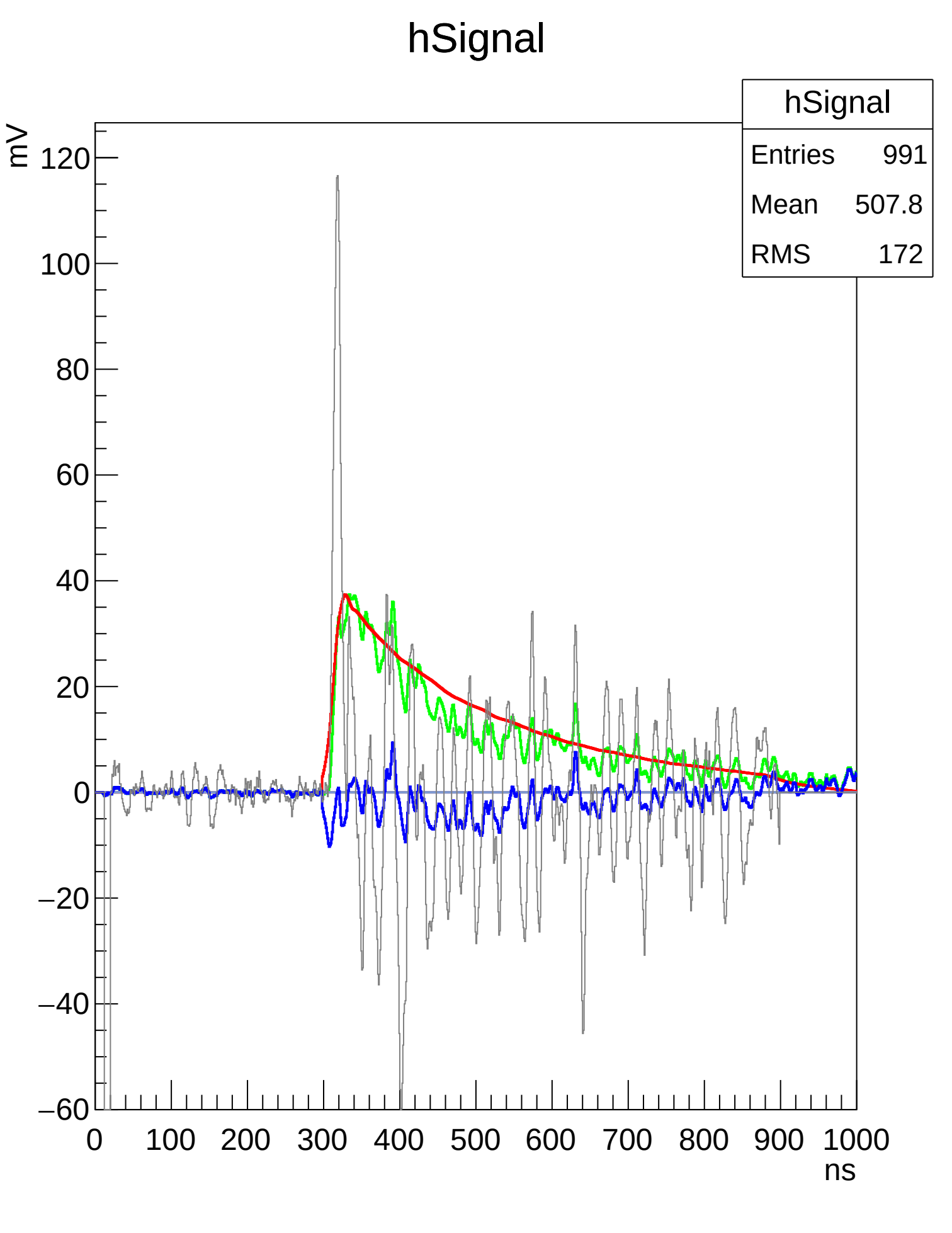

hSignal
hSignal
Entries 991
Mean 573.6
RMS 164.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

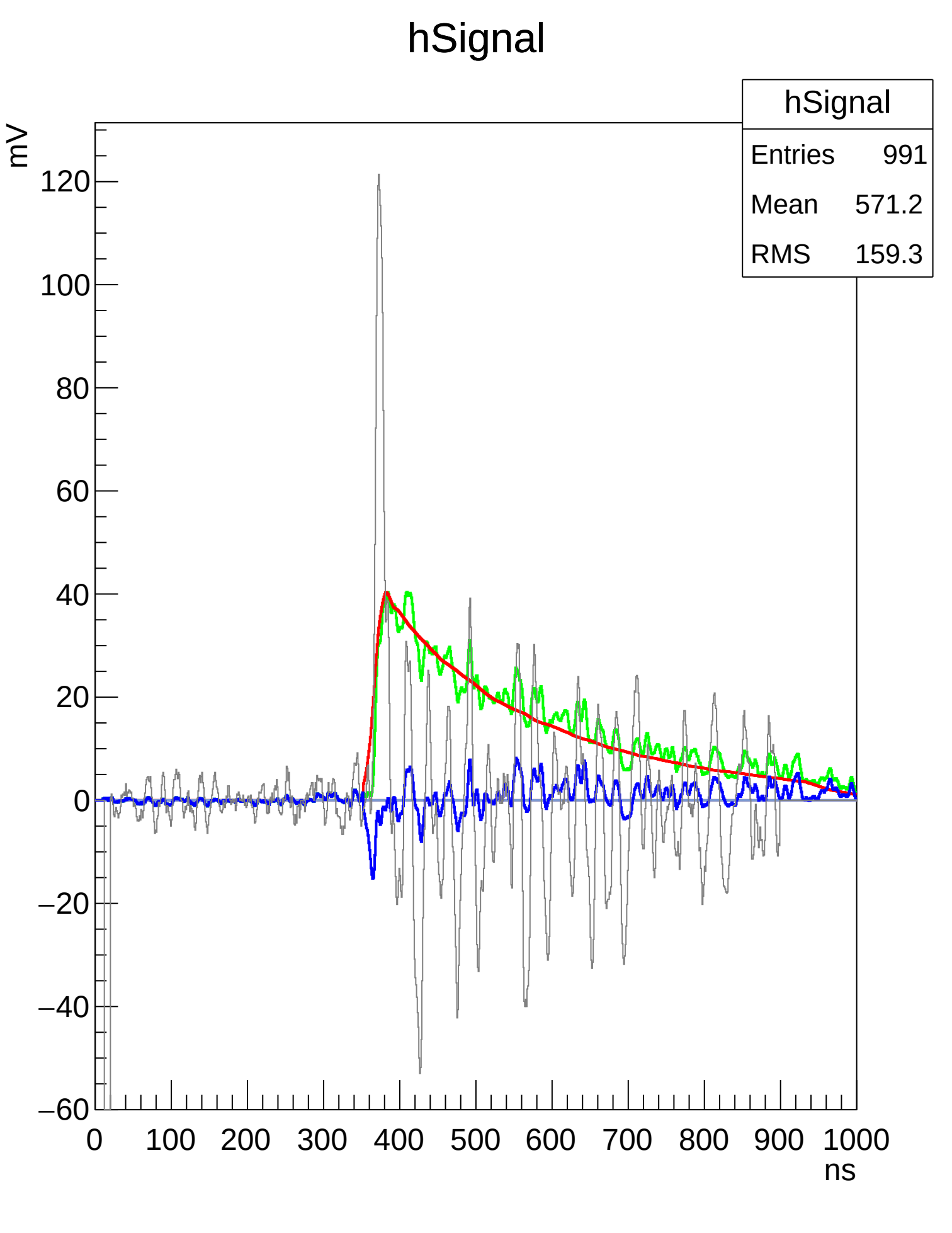

hSignal
hSignal
Entries 991
Mean 573.8
RMS 163.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

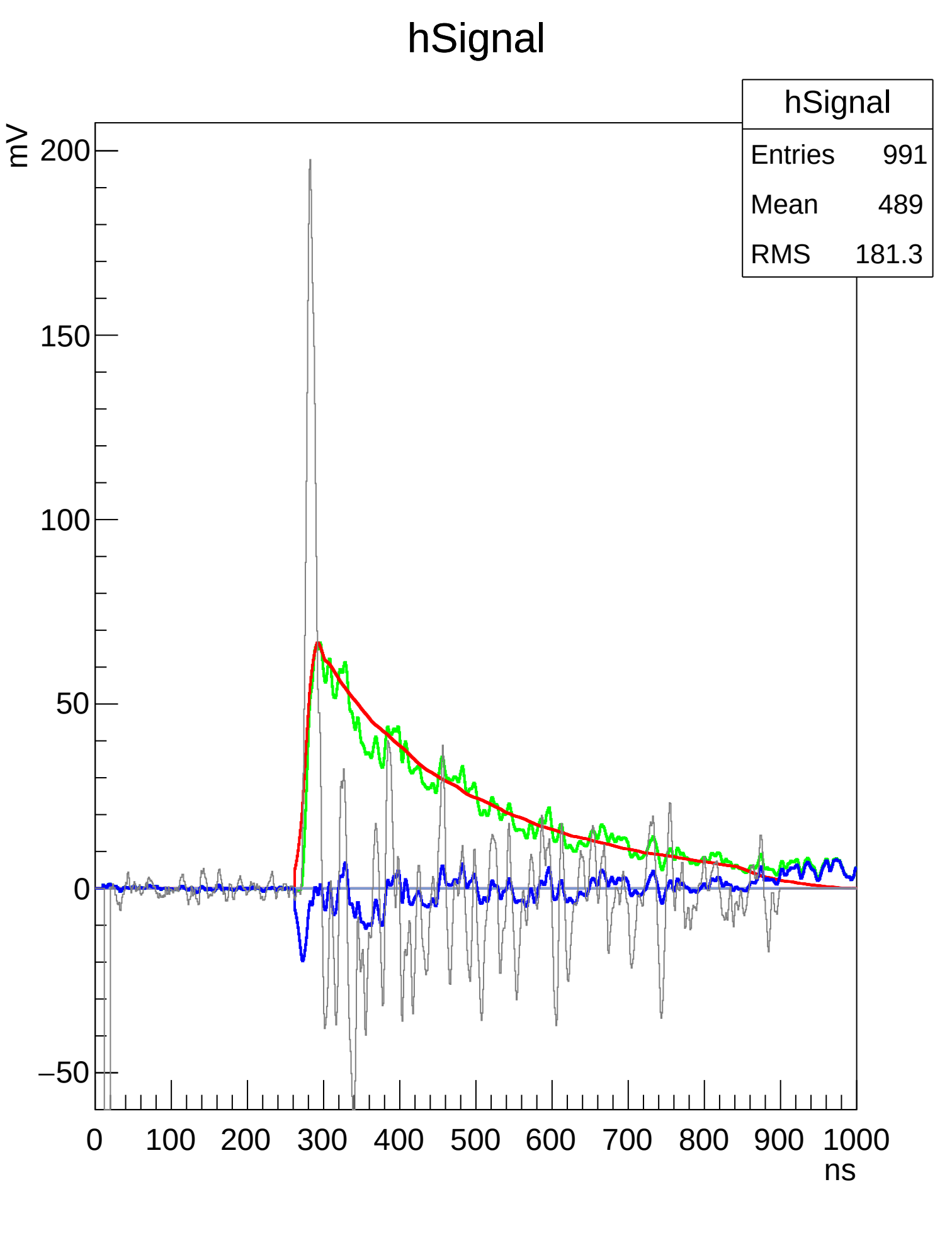

hSignal
hSignal
Entries 991
Mean 565.2
RMS 163.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

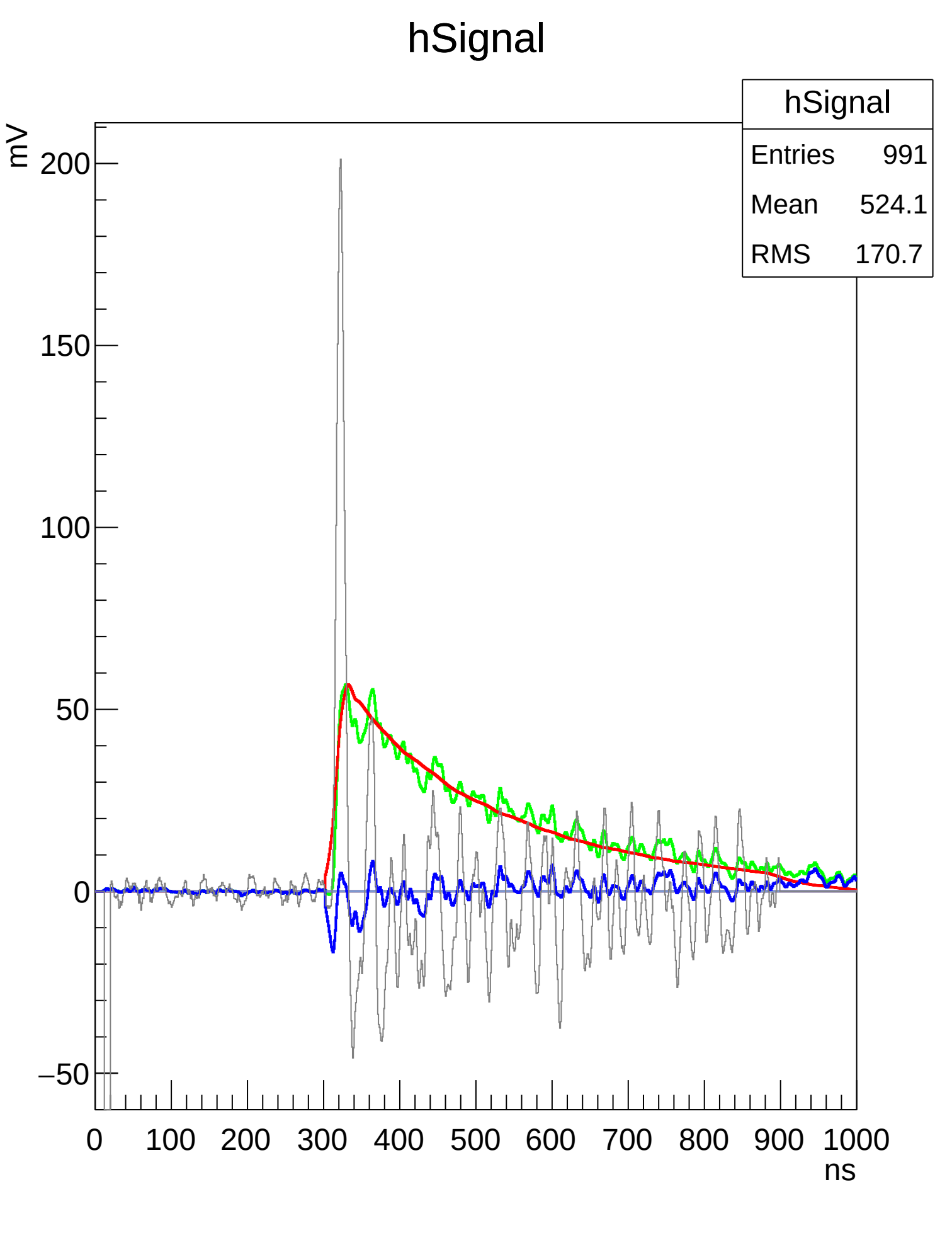

hSignal
hSignal
Entries 991
Mean 521.4
RMS 172
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

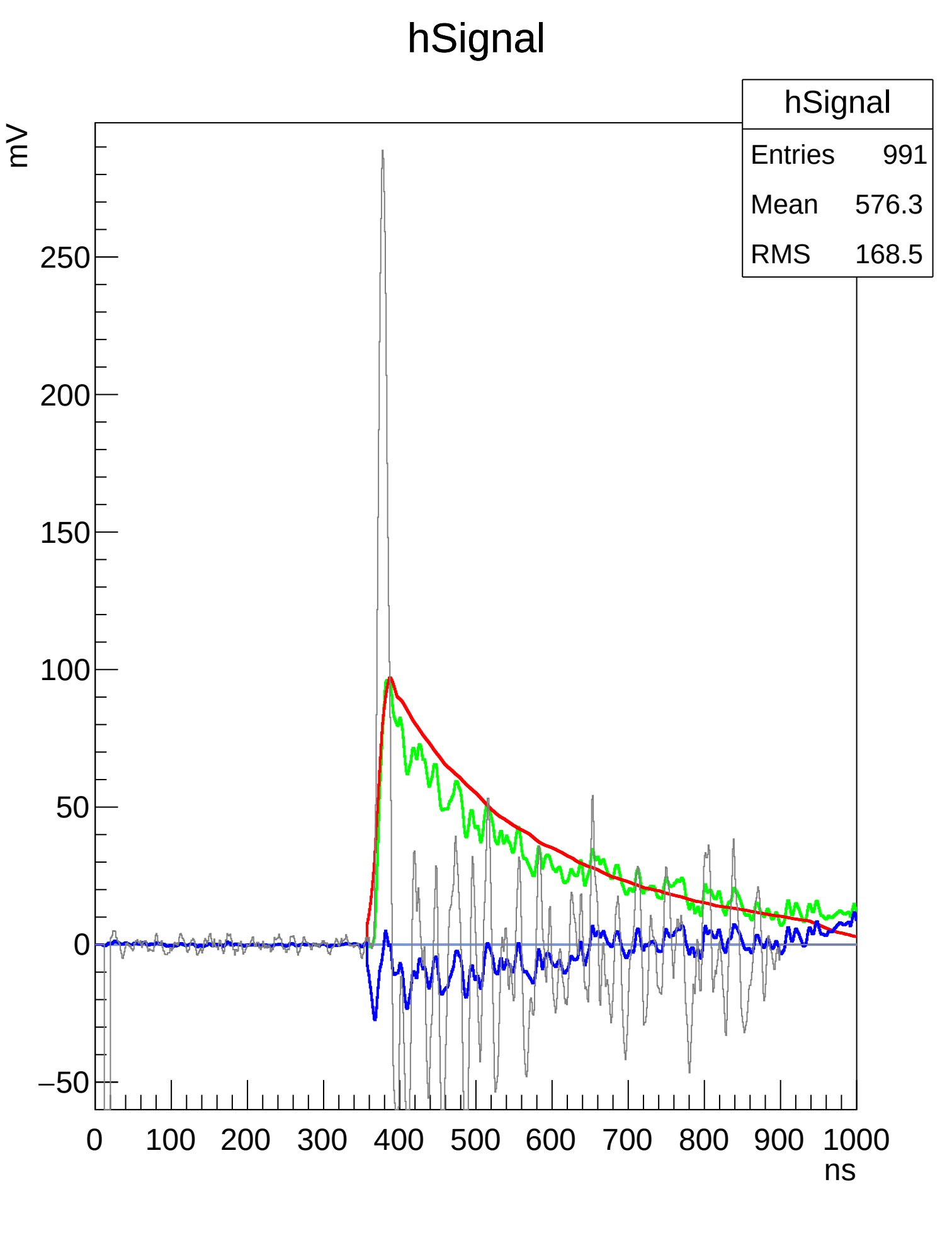

hSignal
hSignal
Entries 991
Mean 572.8
RMS 157.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

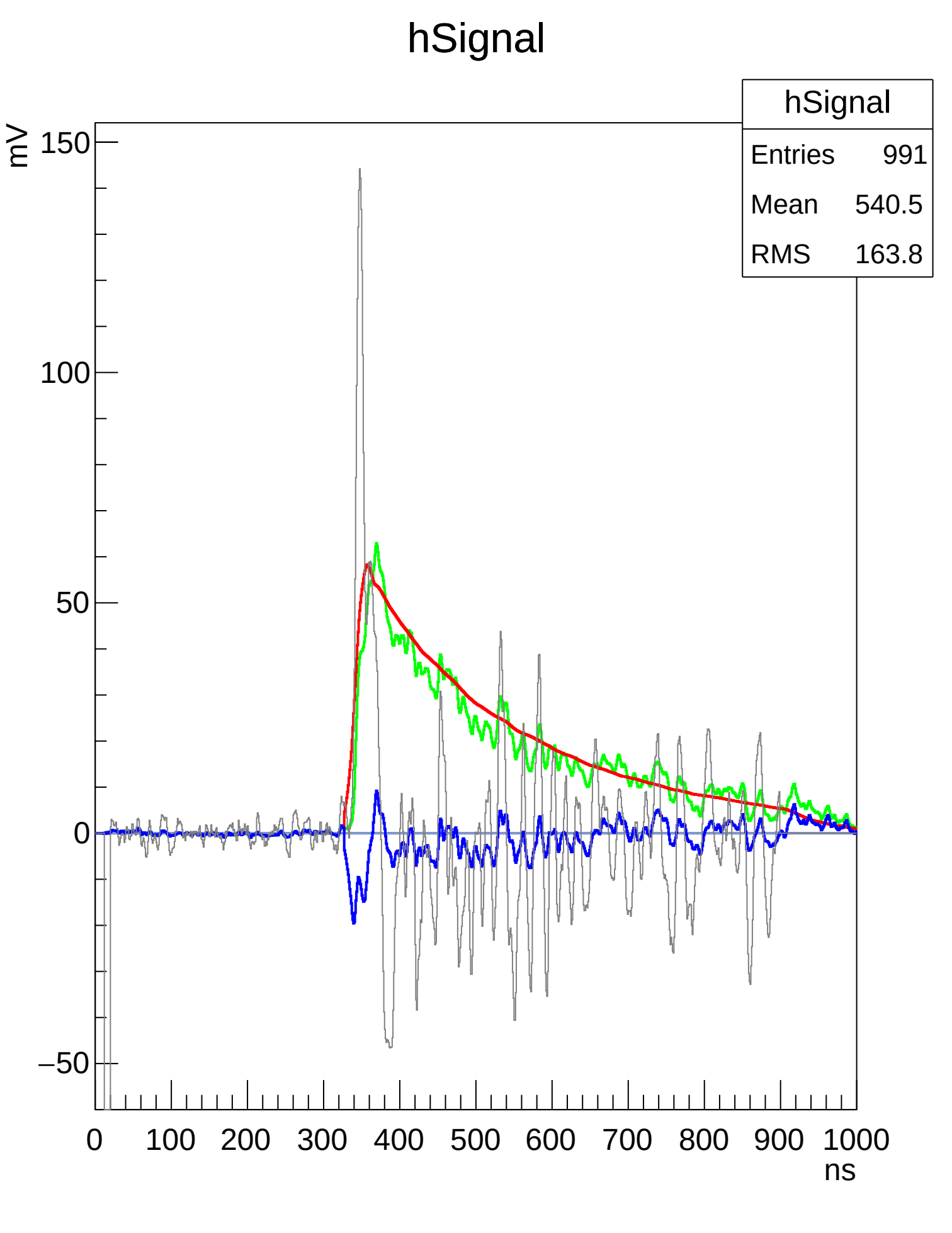

hSignal
hSignal
Entries 991
Mean 507.8
RMS 172
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

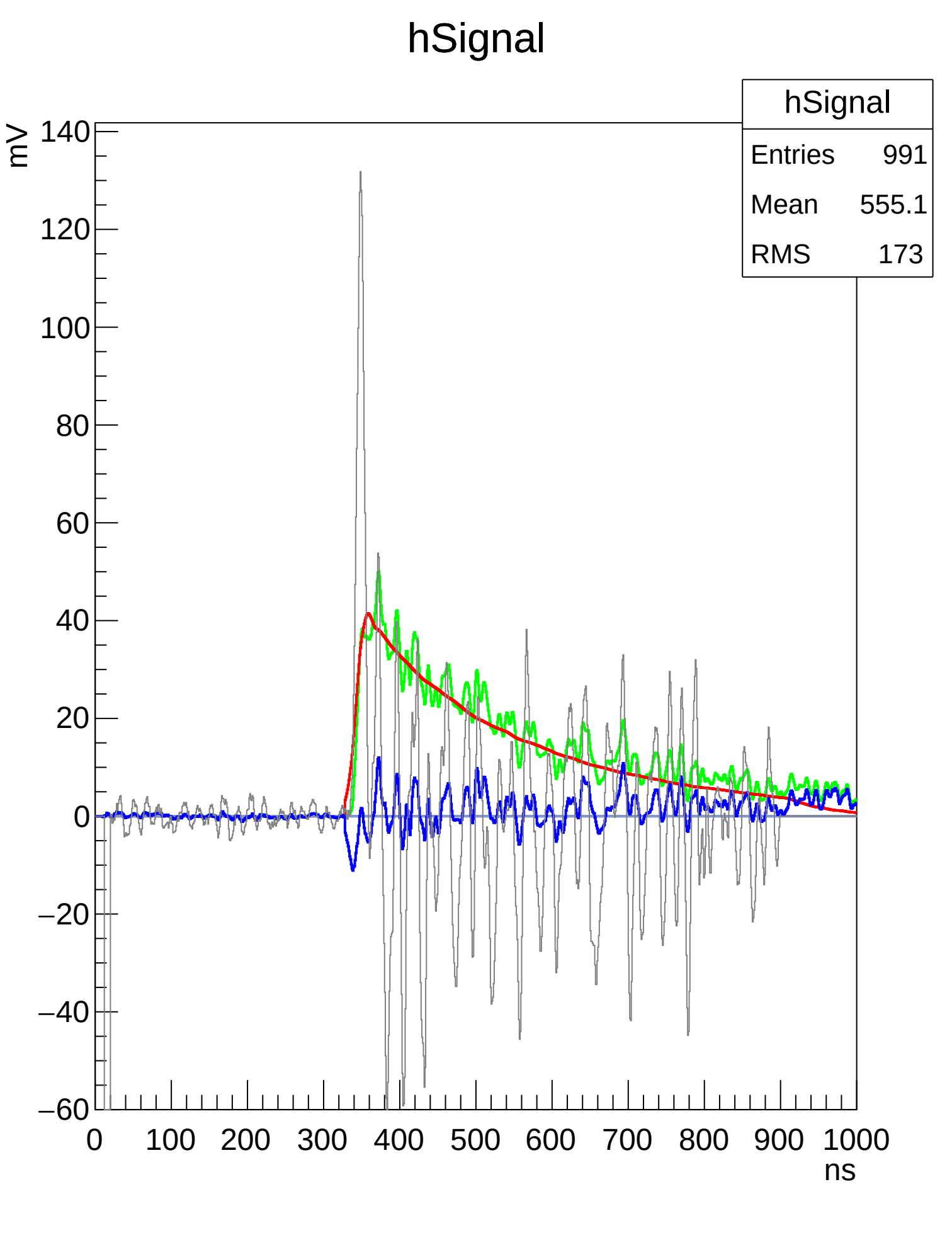

hSignal
hSignal
Entries 991
Mean 571.2
RMS 159.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

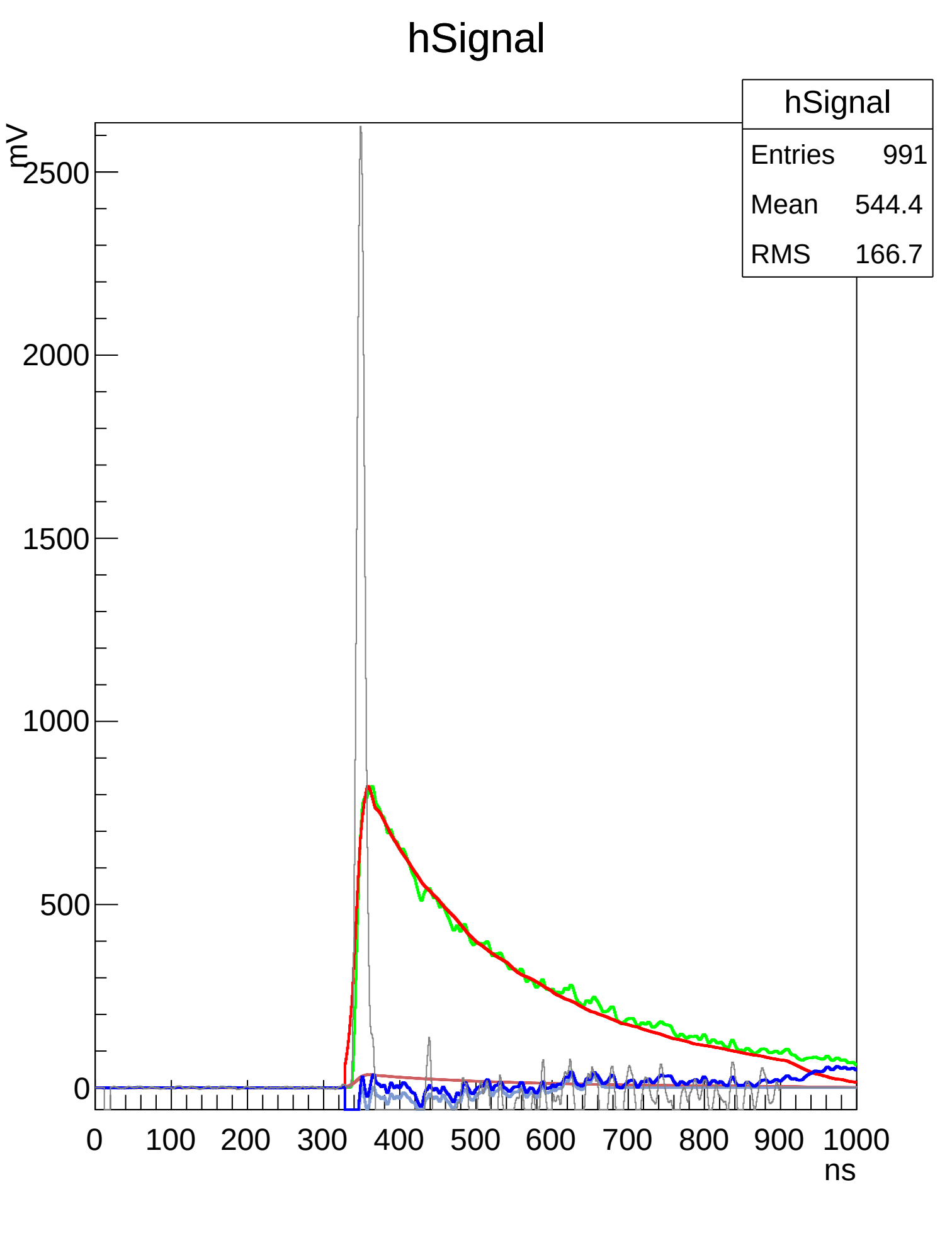

hSignal
hSignal
Entries 991
Mean 489
RMS 181.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

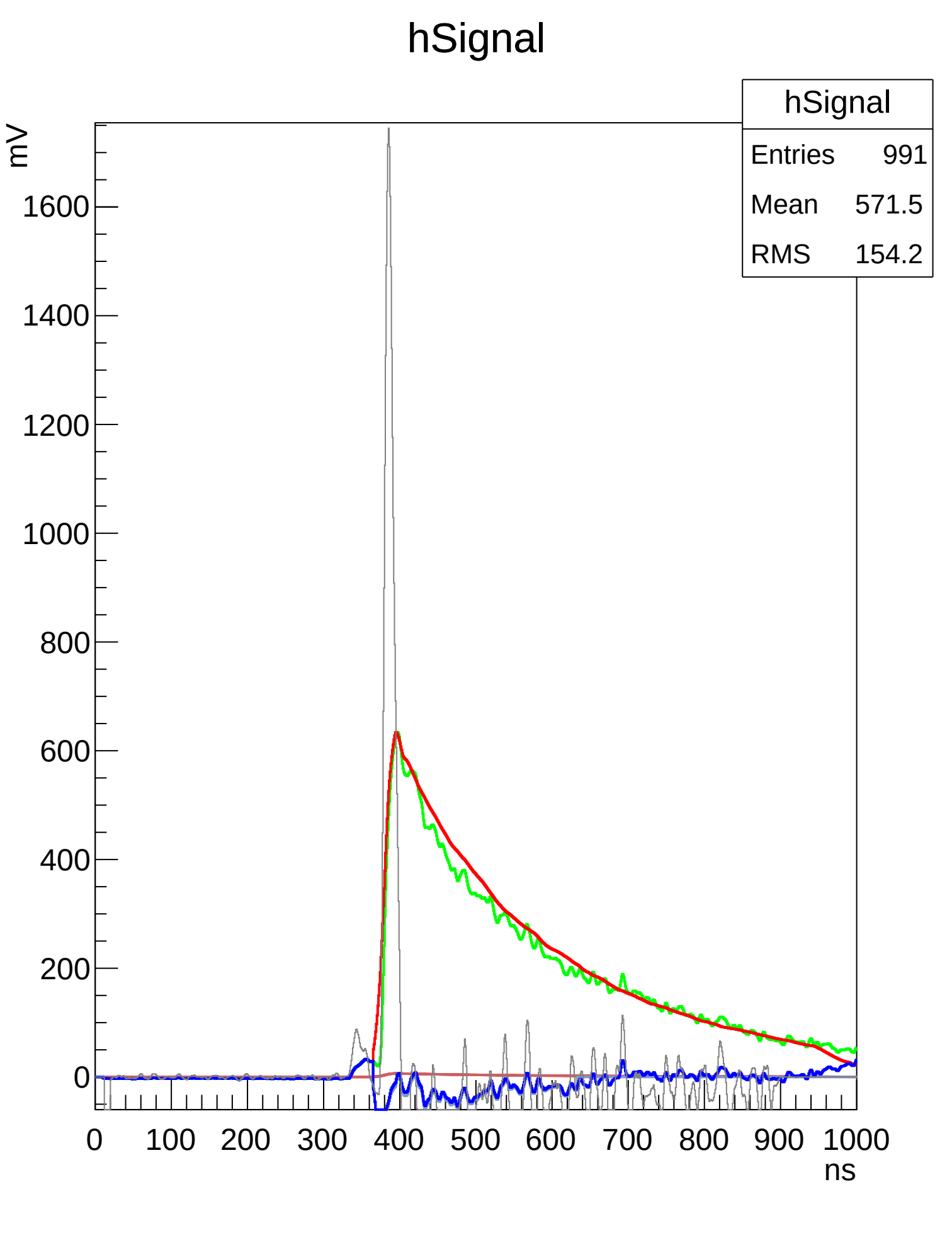

hSignal
hSignal
Entries 991
Mean 524.1
RMS 170.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

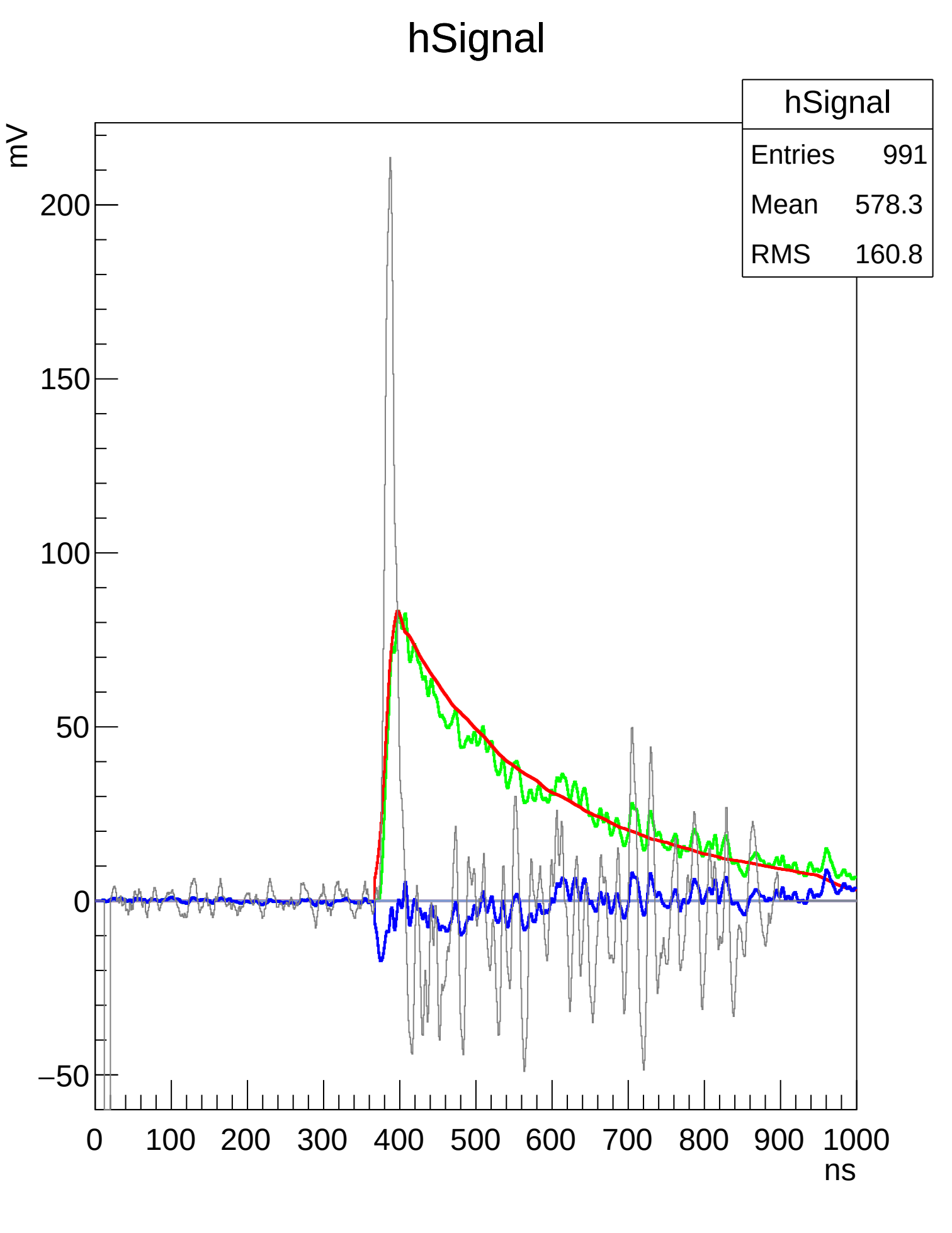

hSignal
hSignal
Entries 991
Mean 576.3
RMS 168.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

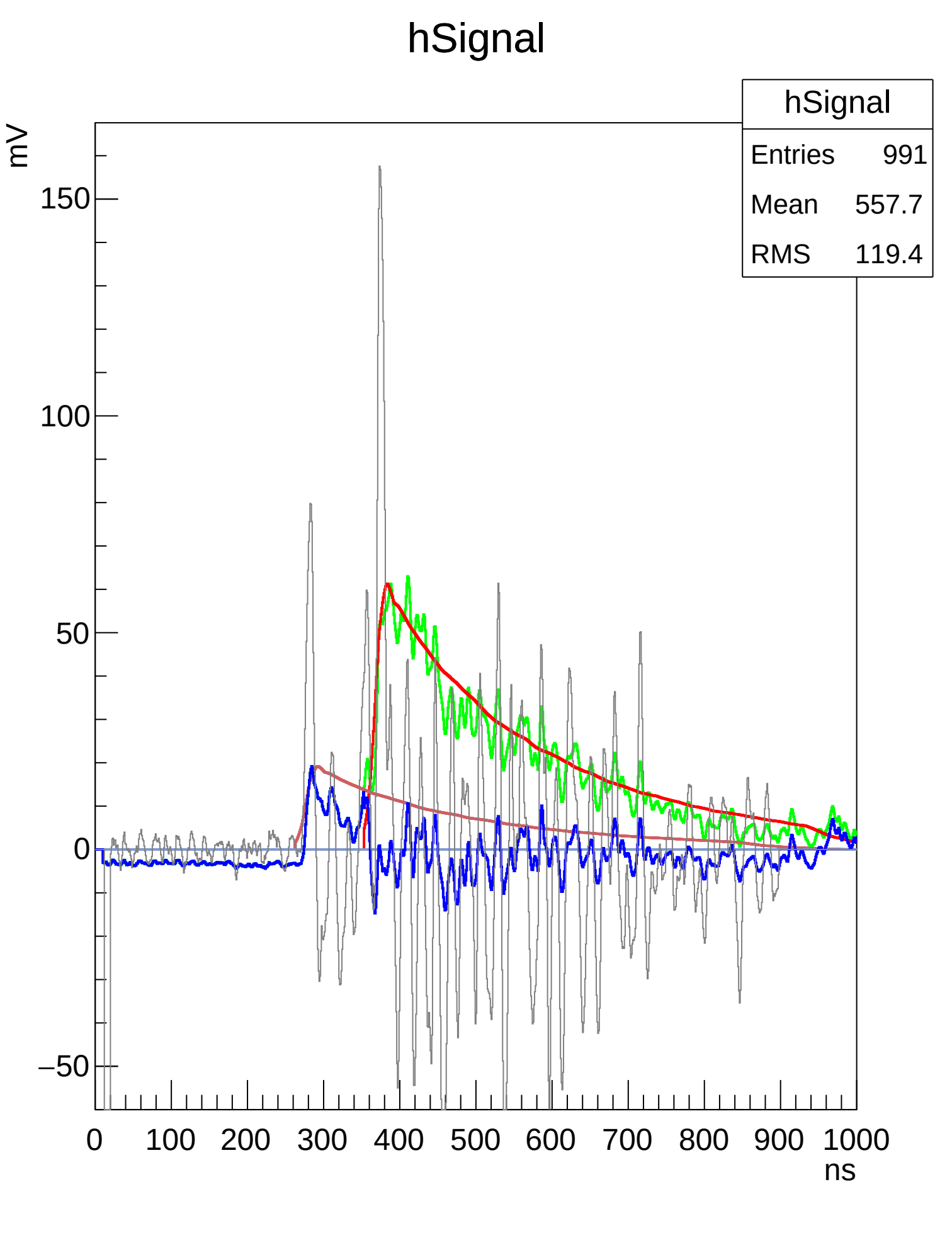

hSignal
hSignal
Entries 991
Mean 540.5
RMS 163.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

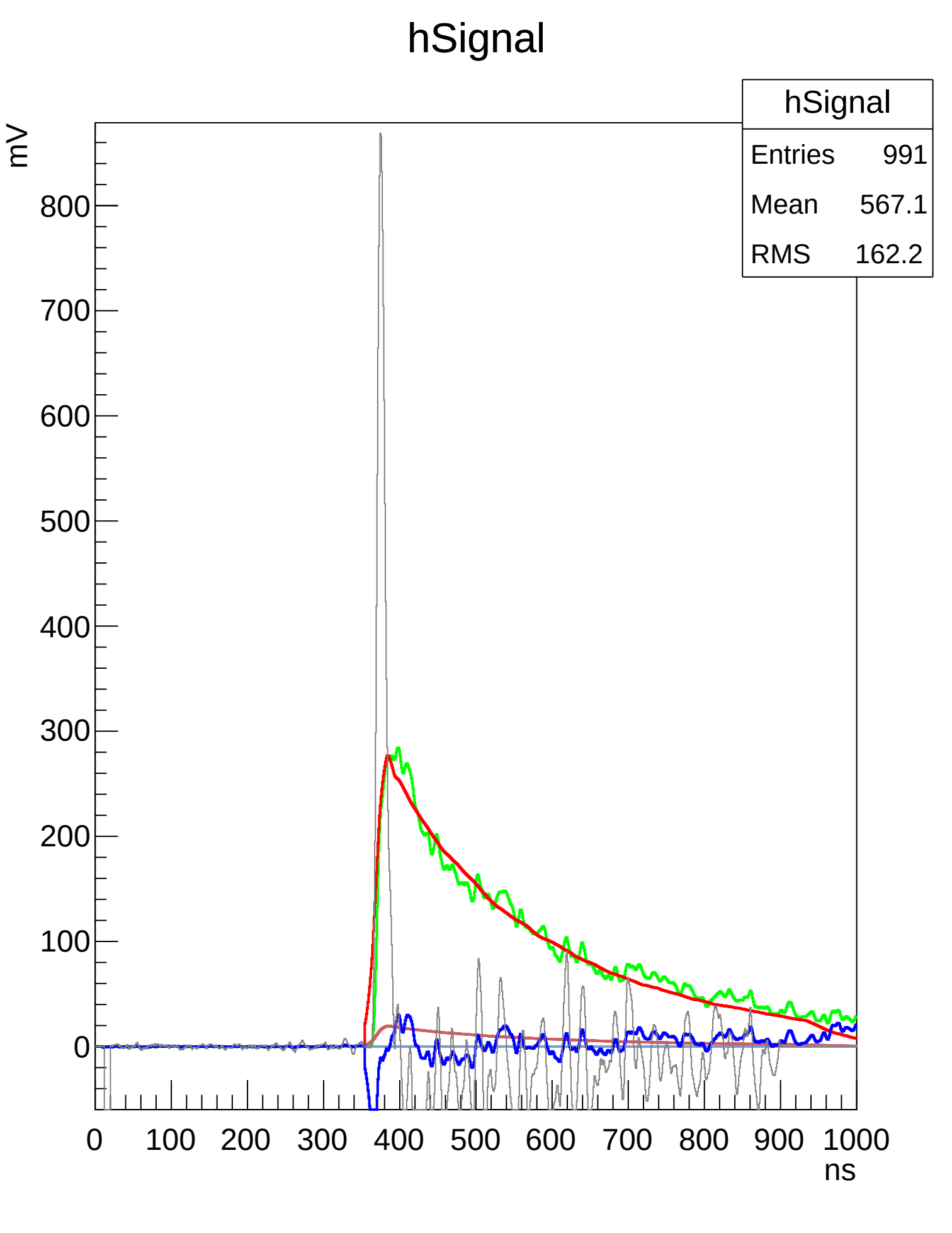

hSignal
hSignal
Entries 991
Mean 555.1
RMS 173
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

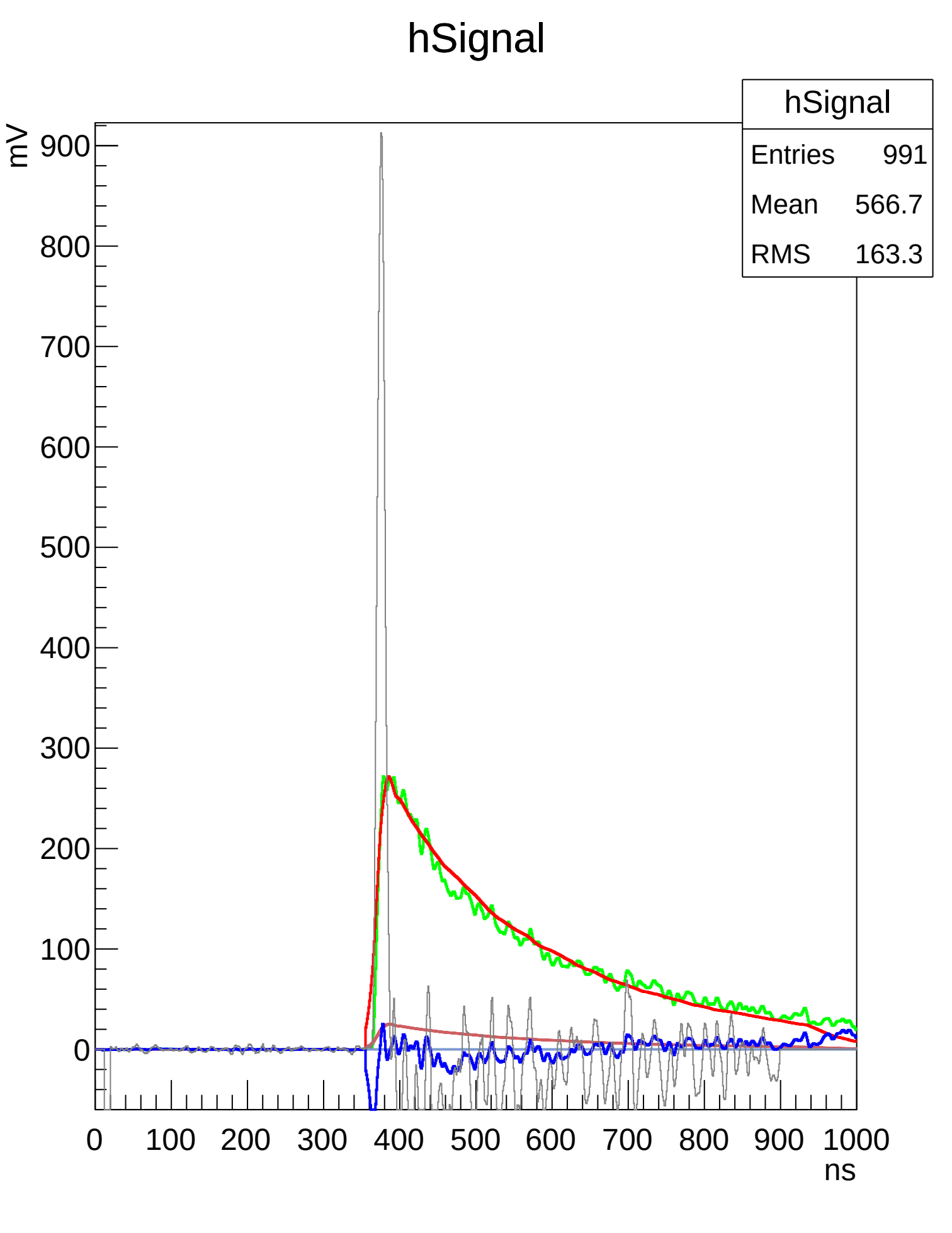

hSignal
hSignal
Entries 991
Mean 544.4
RMS 166.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

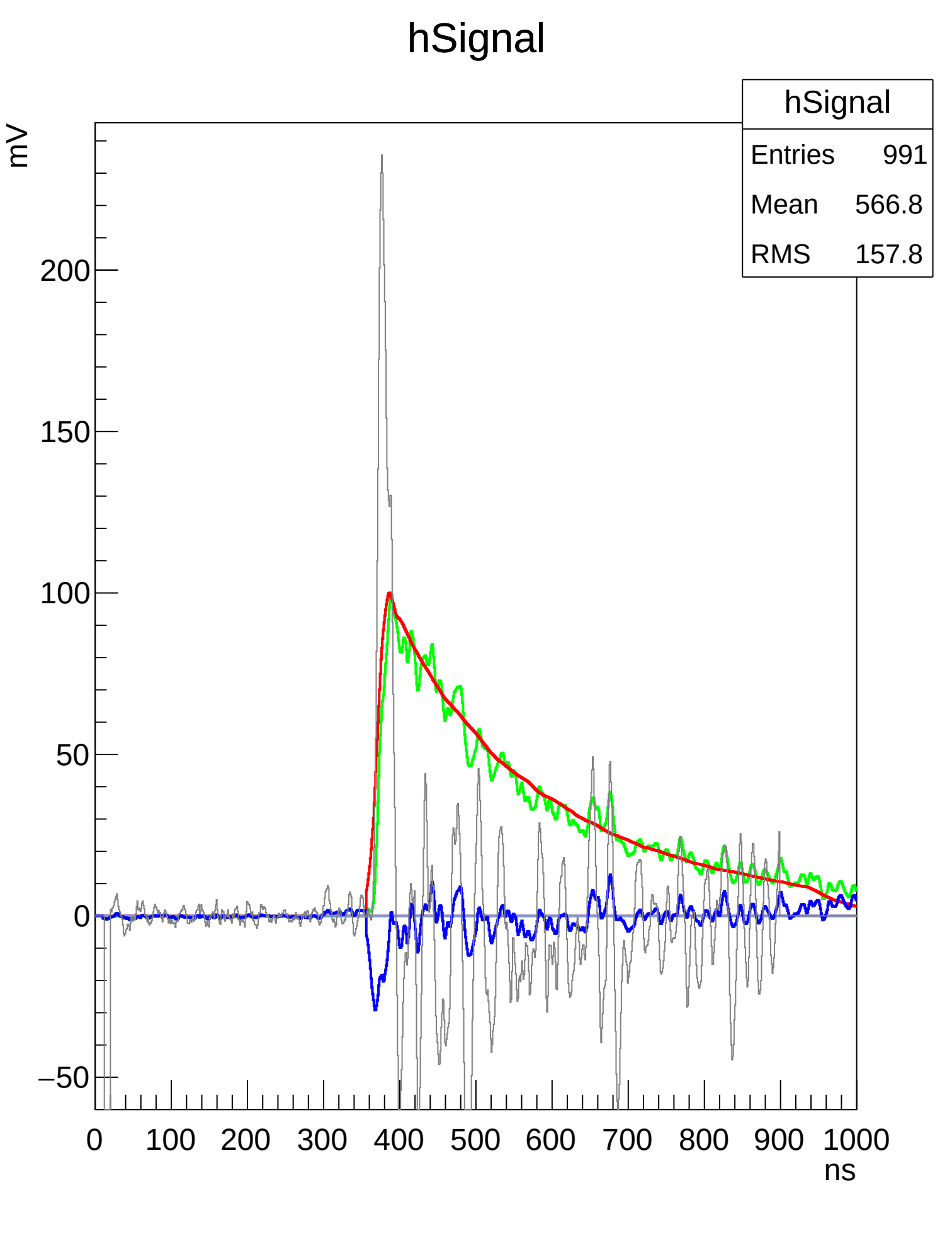

hSignal
hSignal
Entries 991
Mean 571.5
RMS 154.2
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

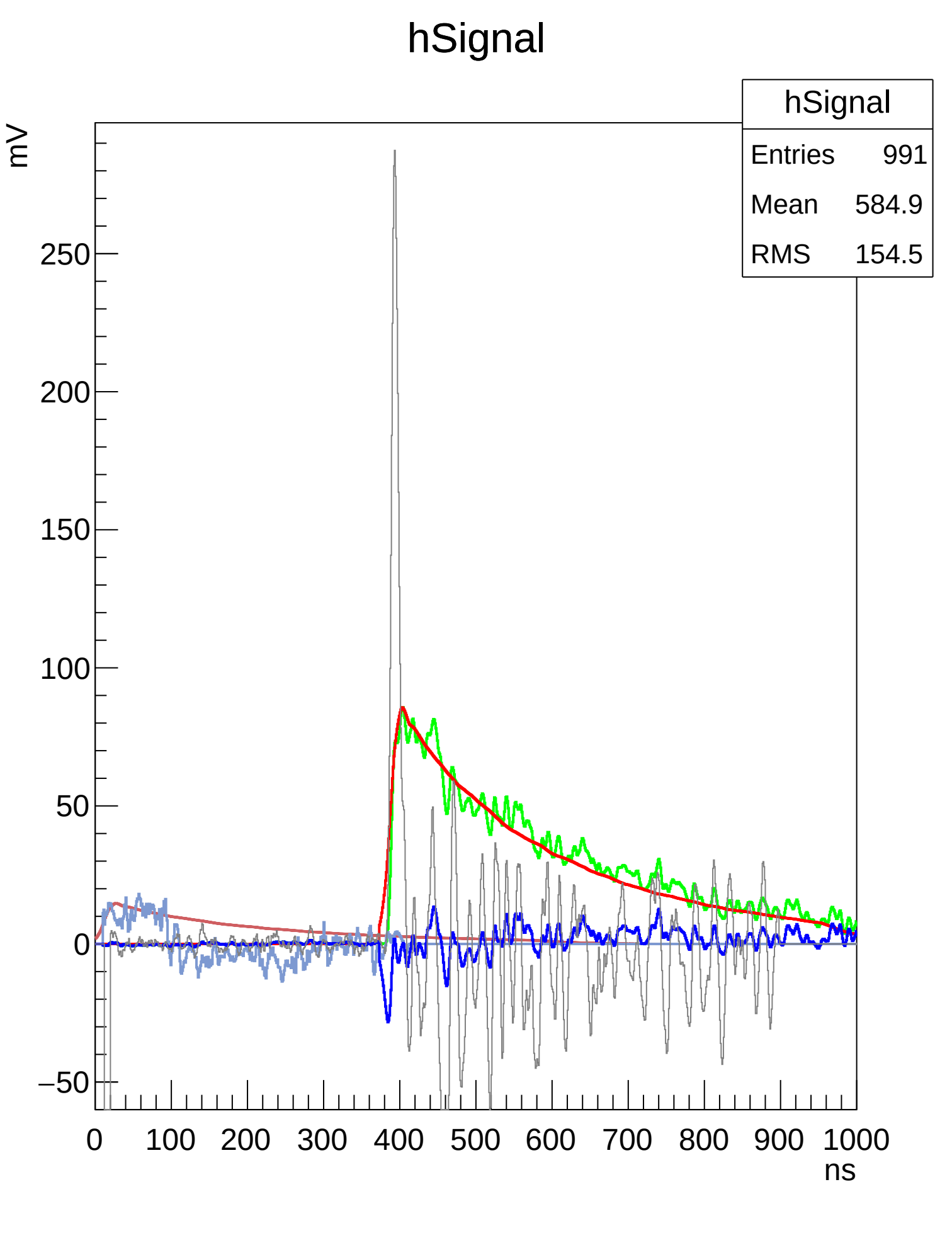

hSignal
hSignal
Entries 991
Mean 578.3
RMS 160.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

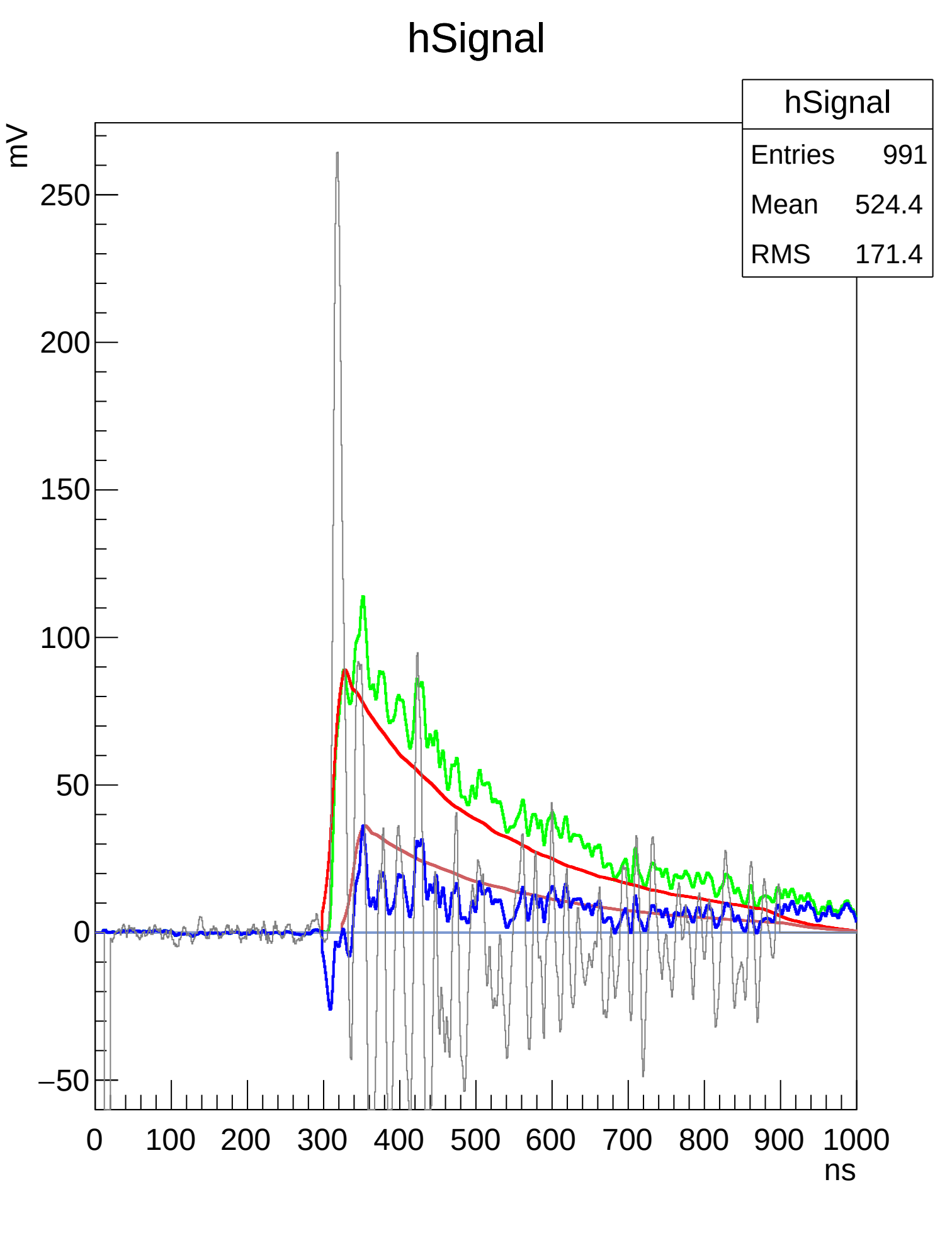

hSignal
hSignal
Entries 991
Mean 557.7
RMS 119.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

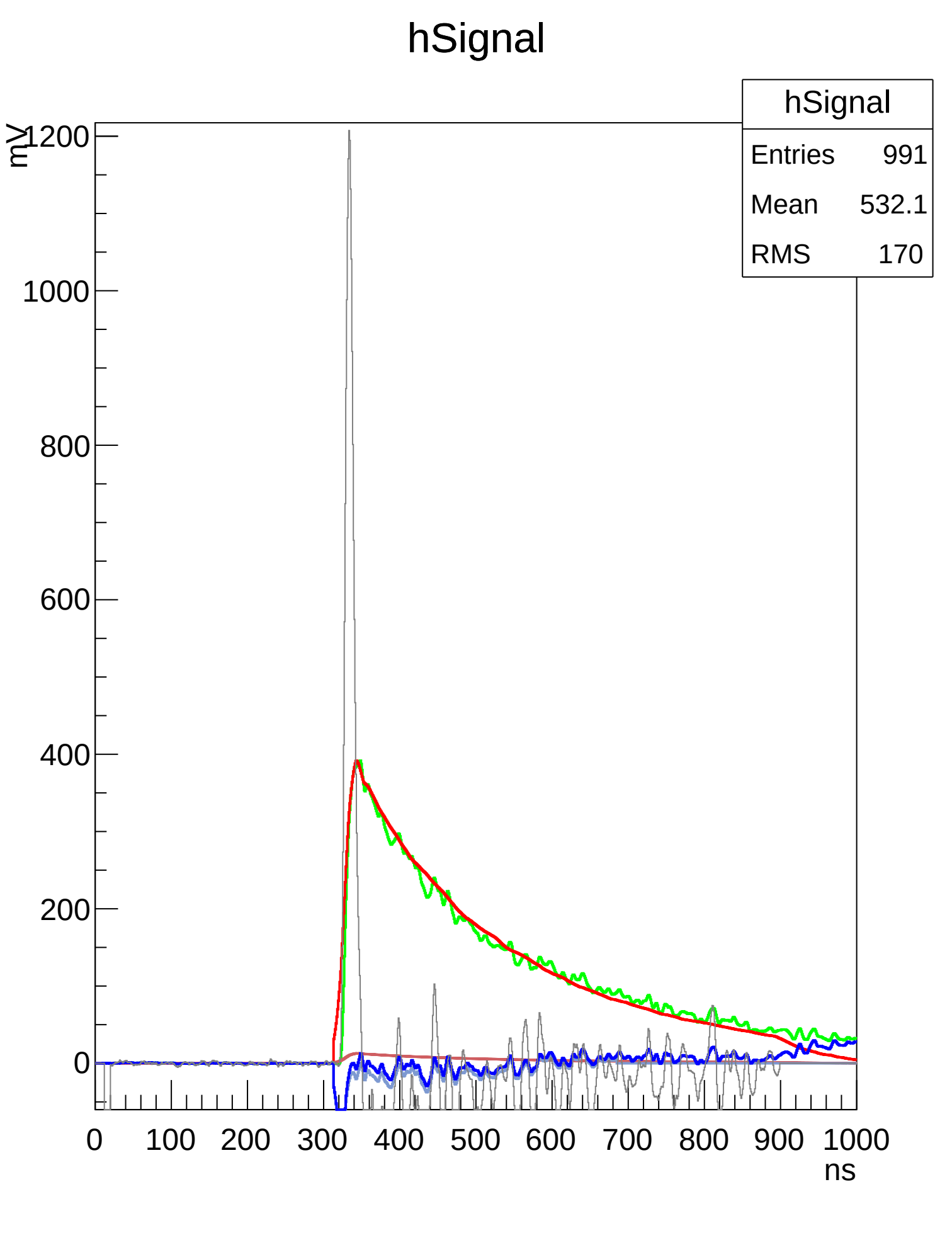

hSignal
hSignal
Entries 991
Mean 567.1
RMS 162.2
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

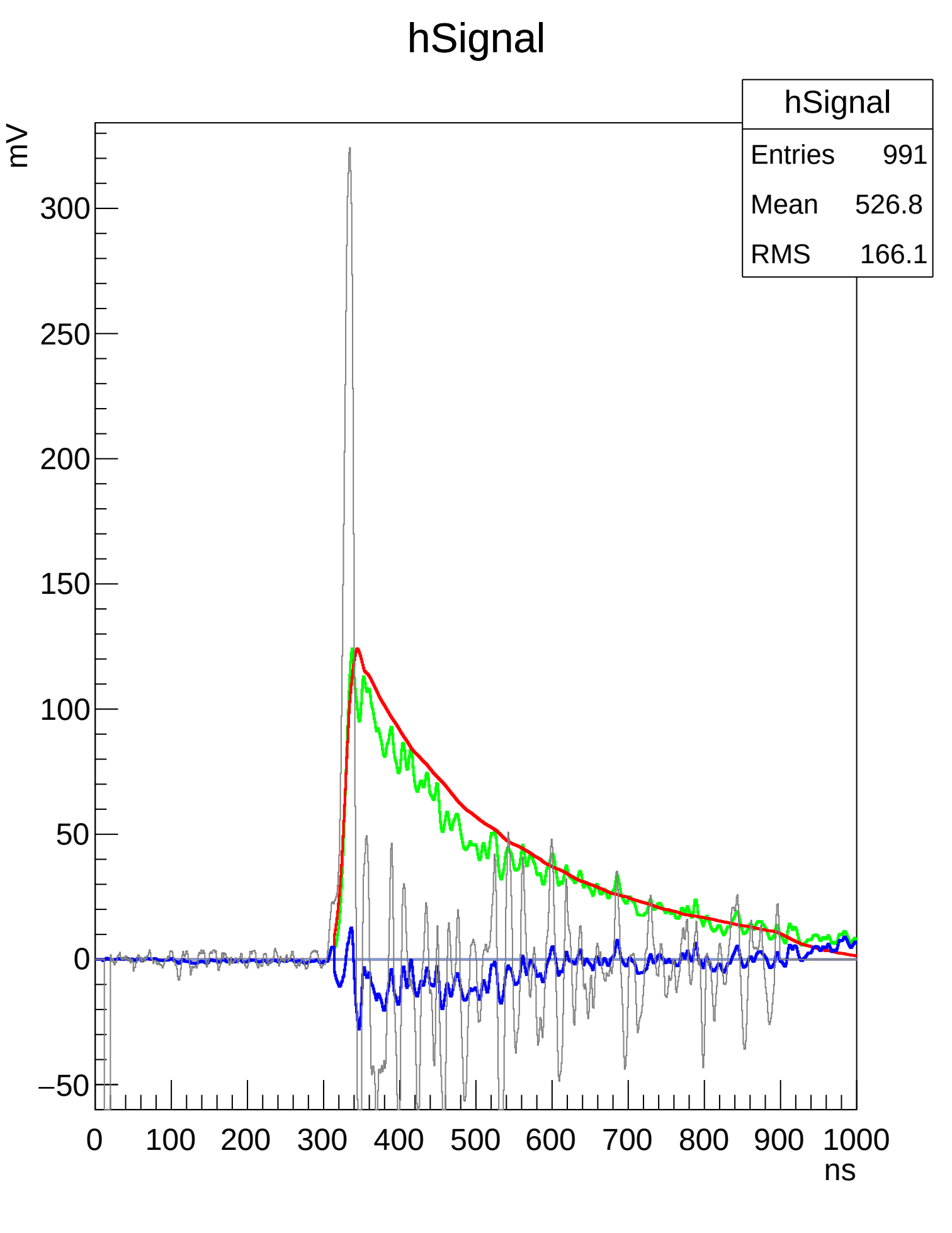

hSignal
hSignal
Entries 991
Mean 566.7
RMS 163.3
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

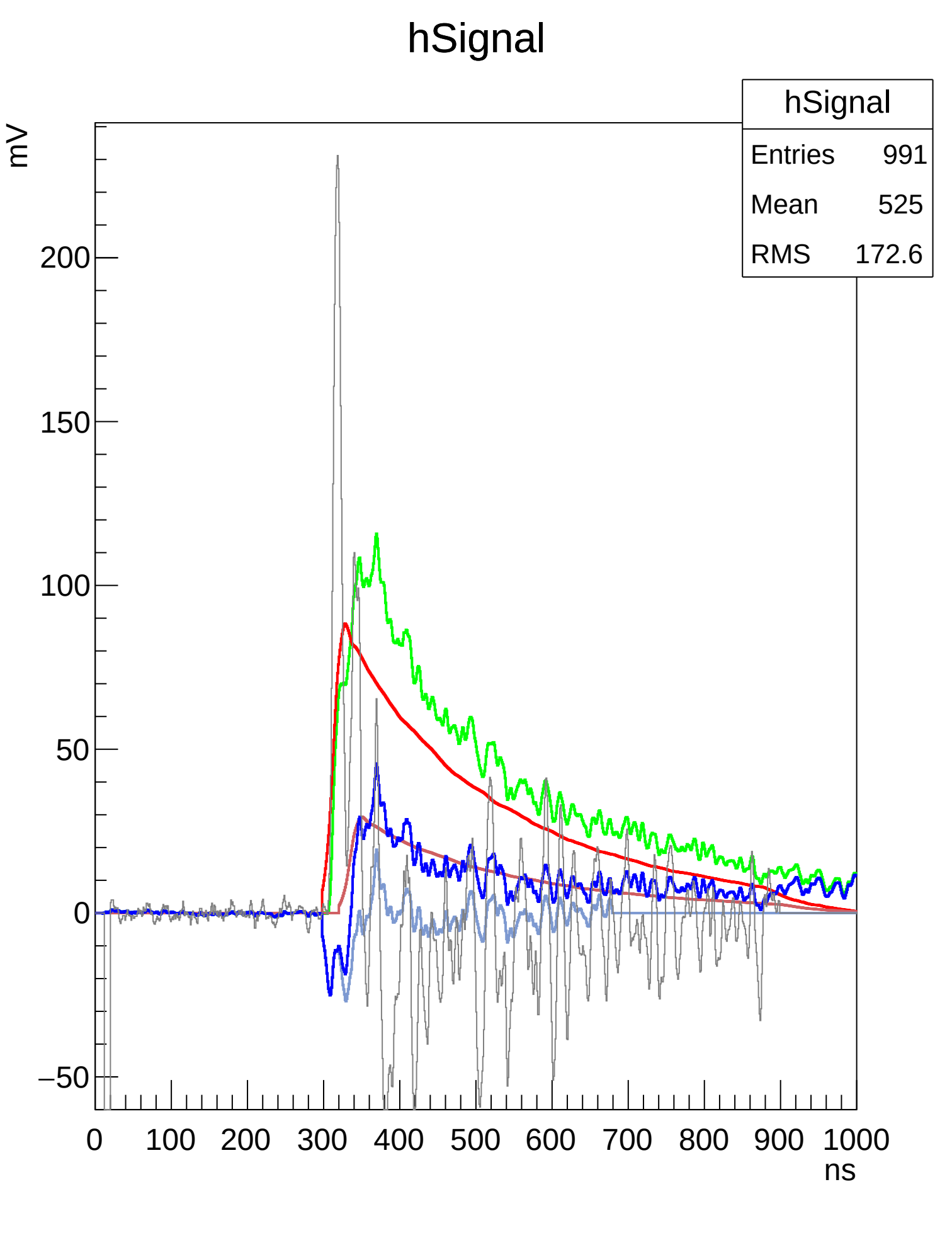

hSignal
hSignal
Entries 991
Mean 566.8
RMS 157.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

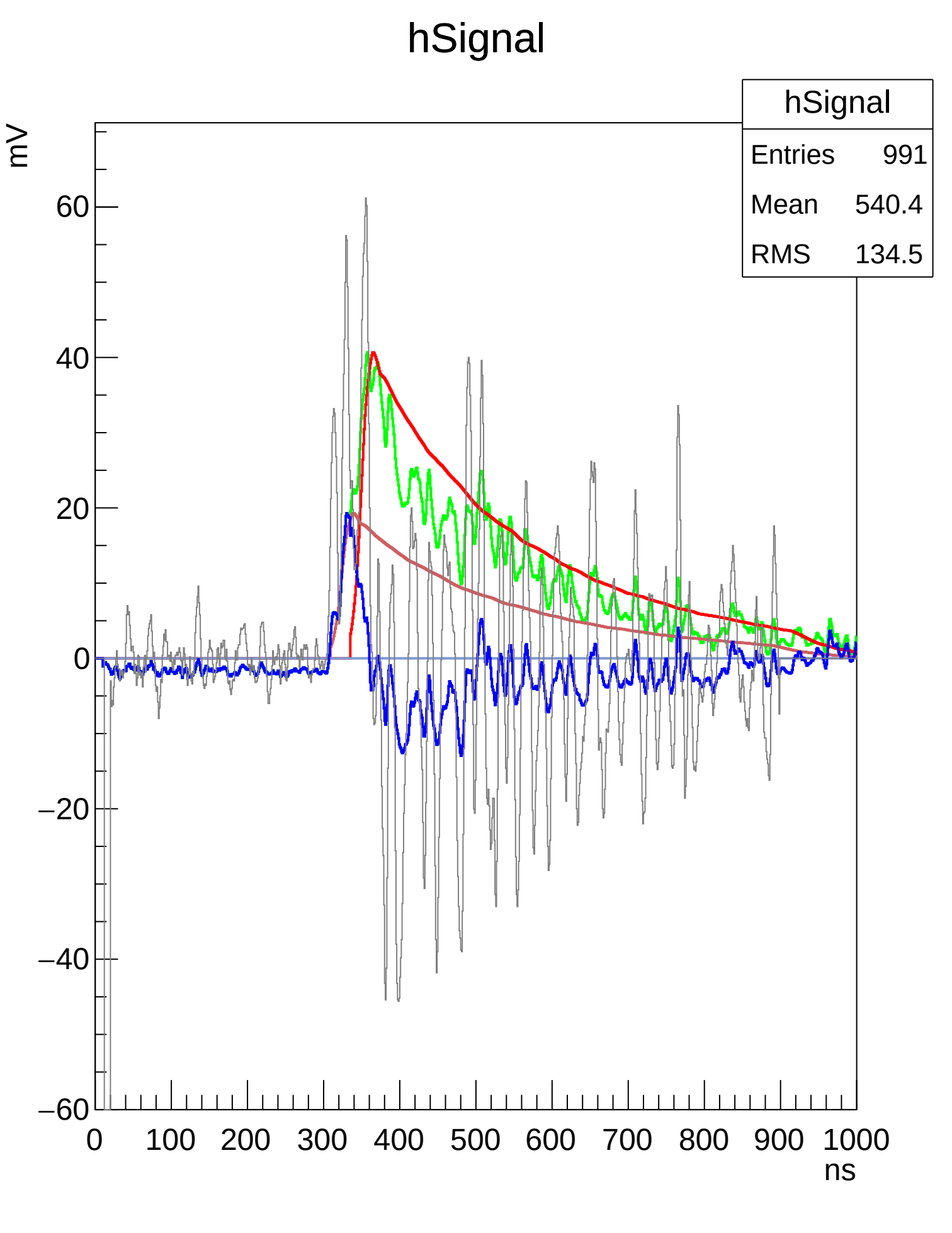

hSignal
hSignal
Entries 991
Mean 584.9
RMS 154.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

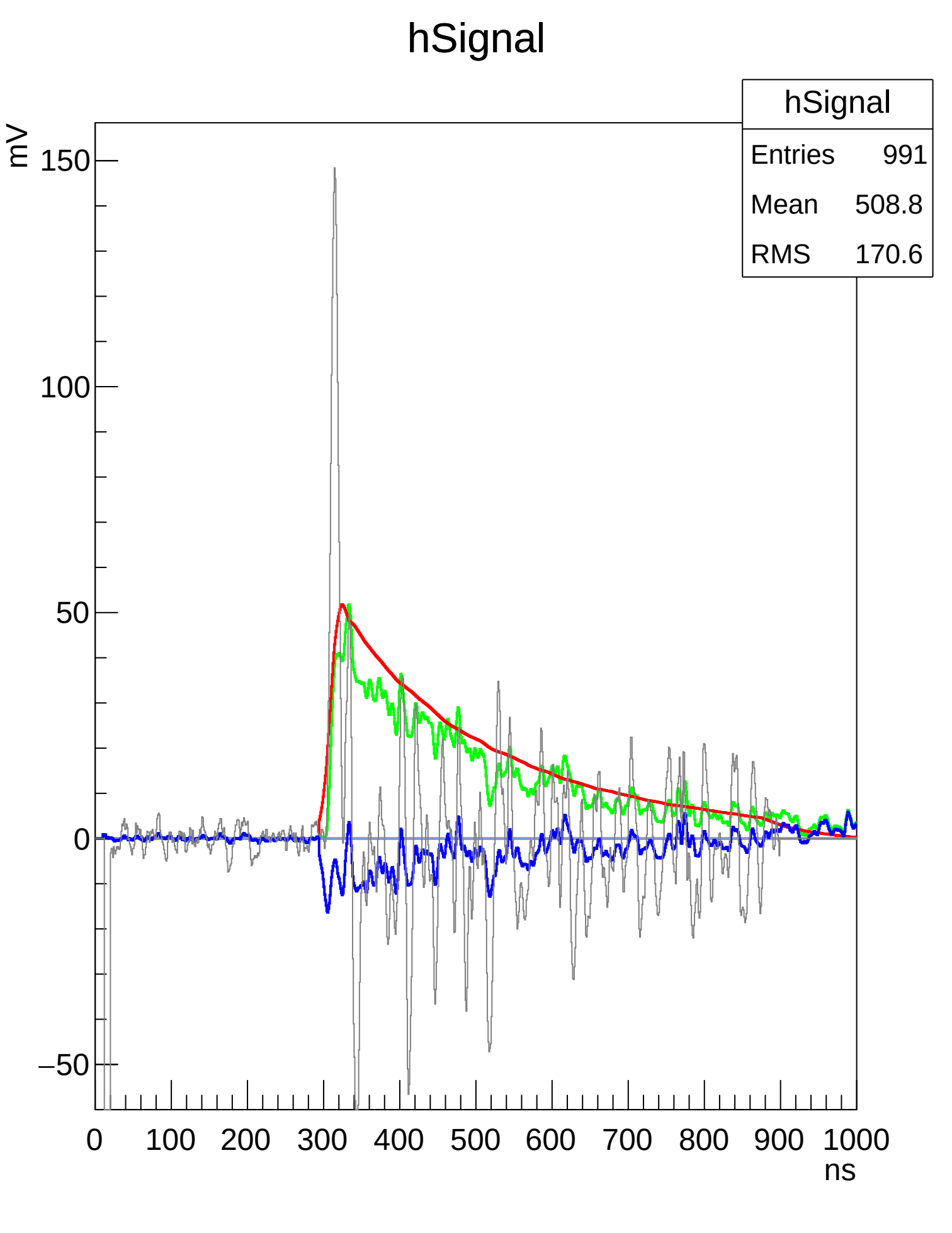

hSignal
hSignal
Entries 991
Mean 524.4
RMS 171.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

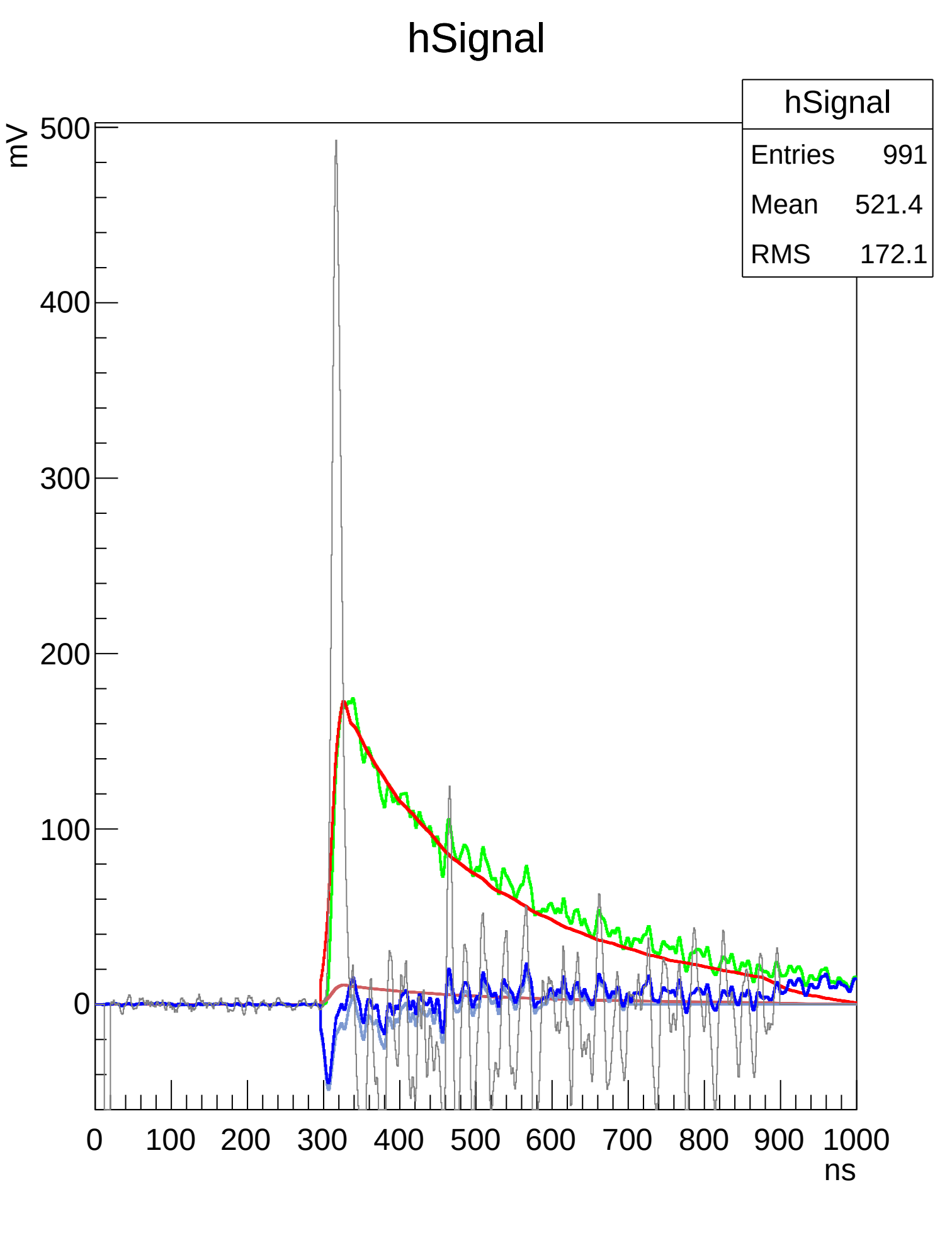

hSignal
hSignal
Entries 991
Mean 532.1
RMS 170
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

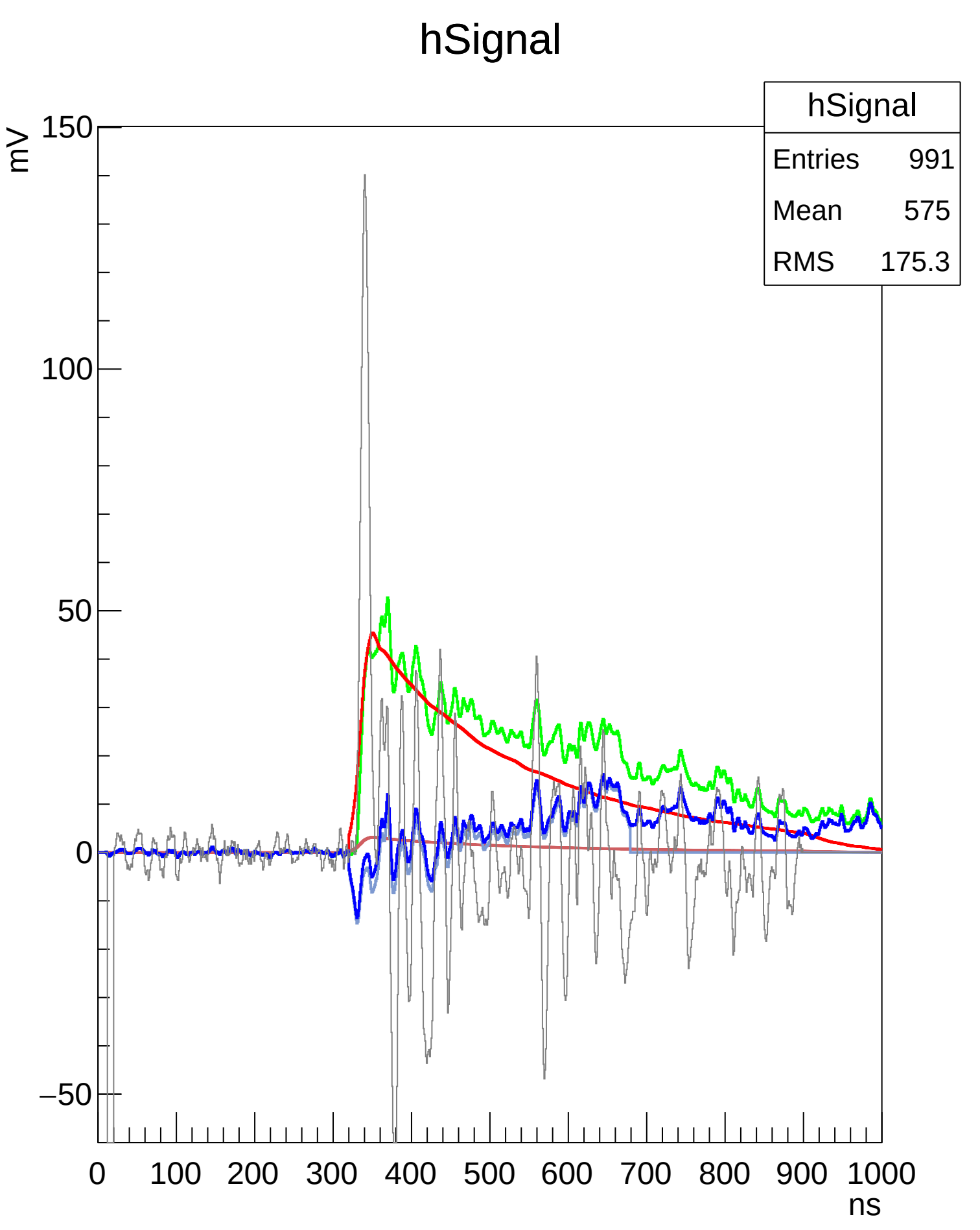

hSignal
hSignal
Entries 991
Mean 526.8
RMS 166.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

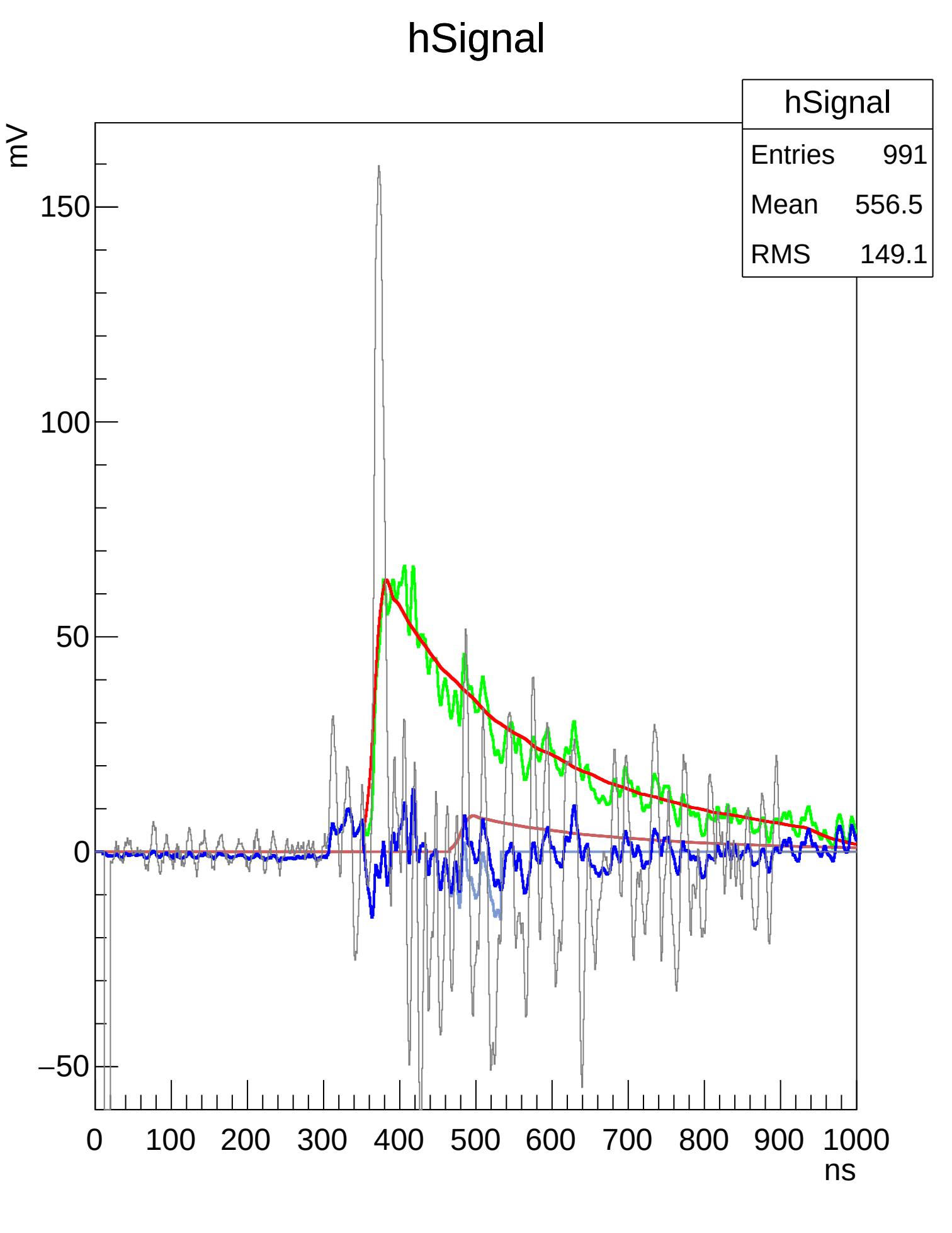

hSignal
hSignal
Entries 991
Mean 525
RMS 172.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

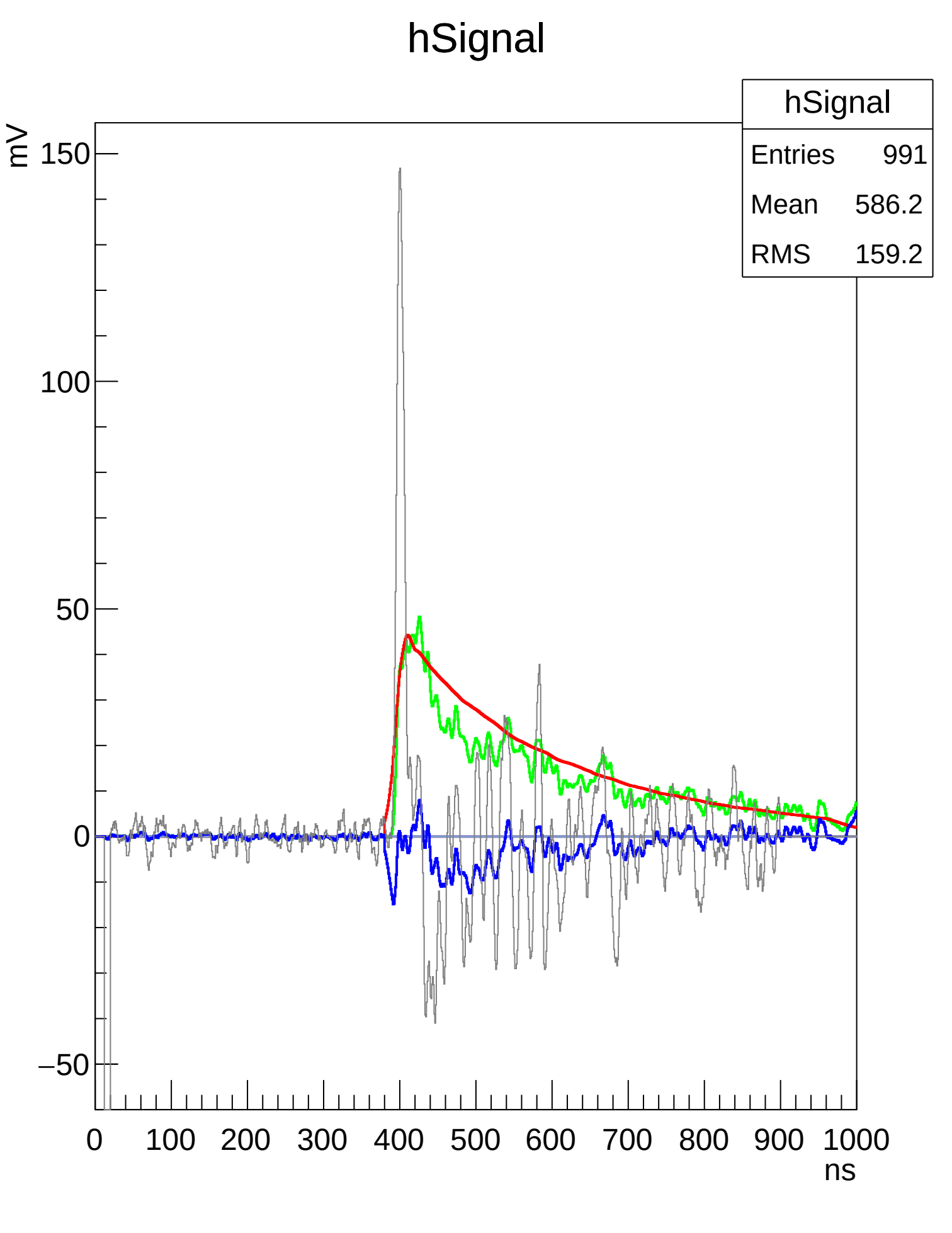

hSignal
hSignal
Entries 991
Mean 540.4
RMS 134.5
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

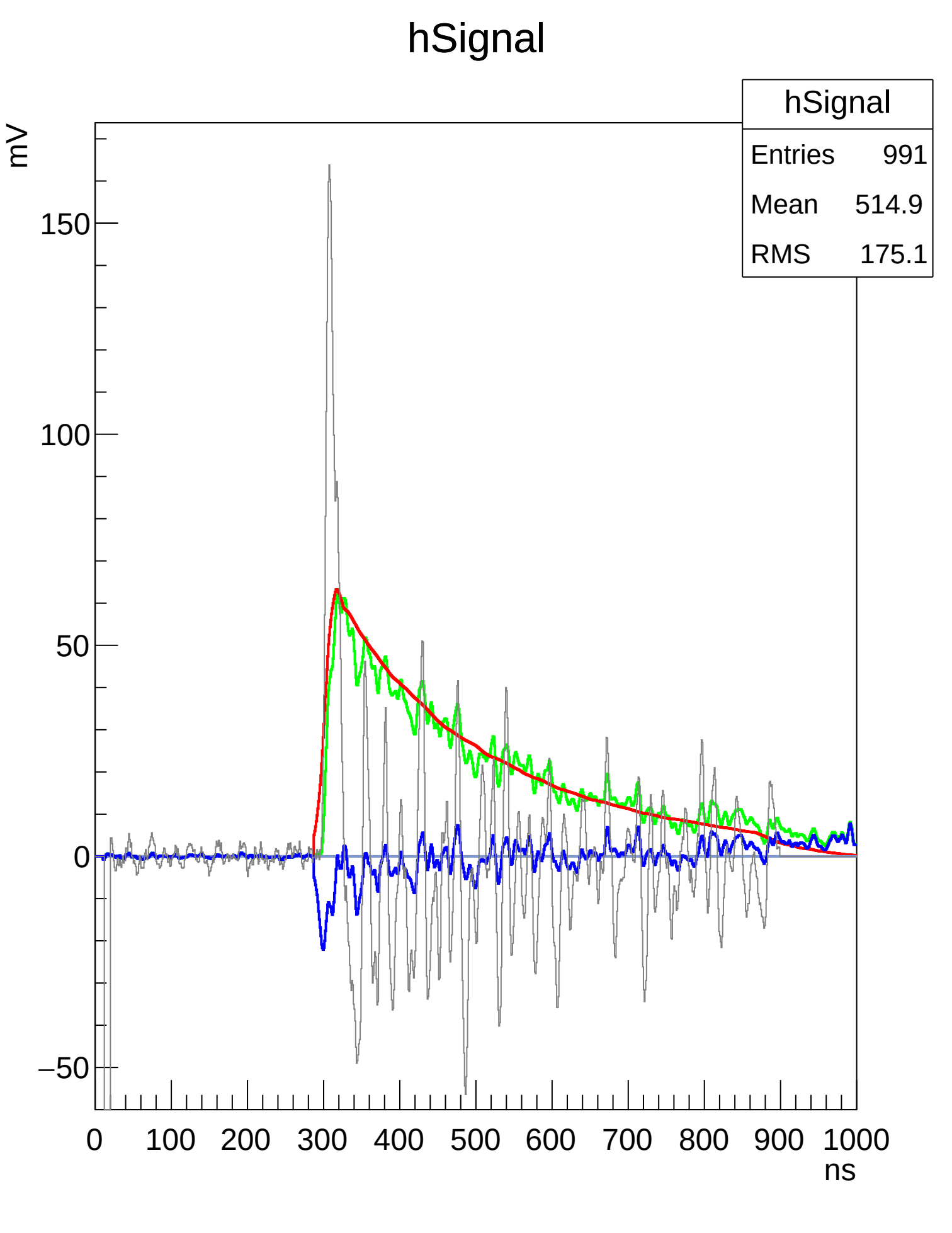

hSignal
hSignal
Entries 991
Mean 508.8
RMS 170.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

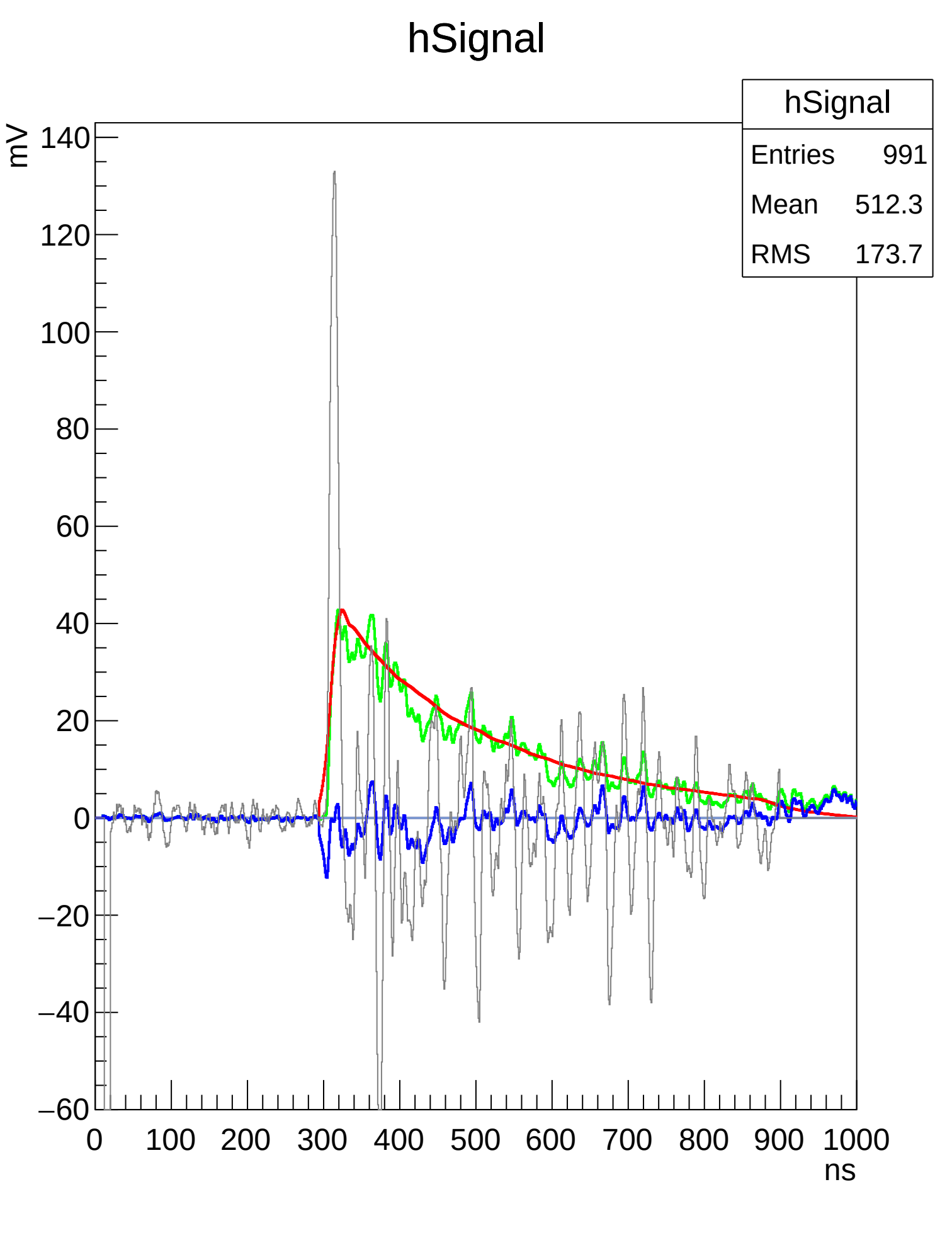

hSignal
hSignal
Entries 991
Mean 521.4
RMS 172.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

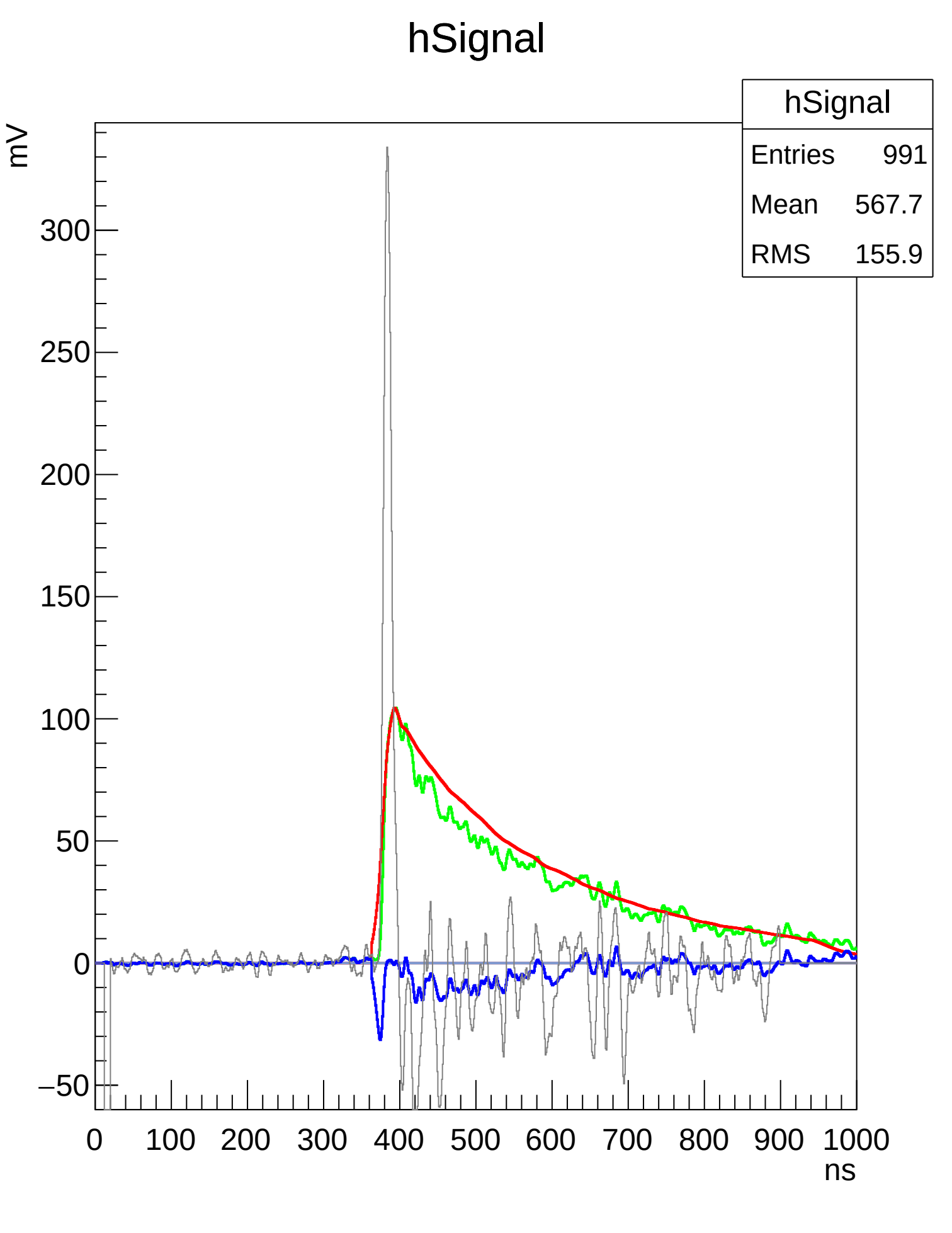

hSignal
hSignal
Entries 991
Mean 575
RMS 175.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

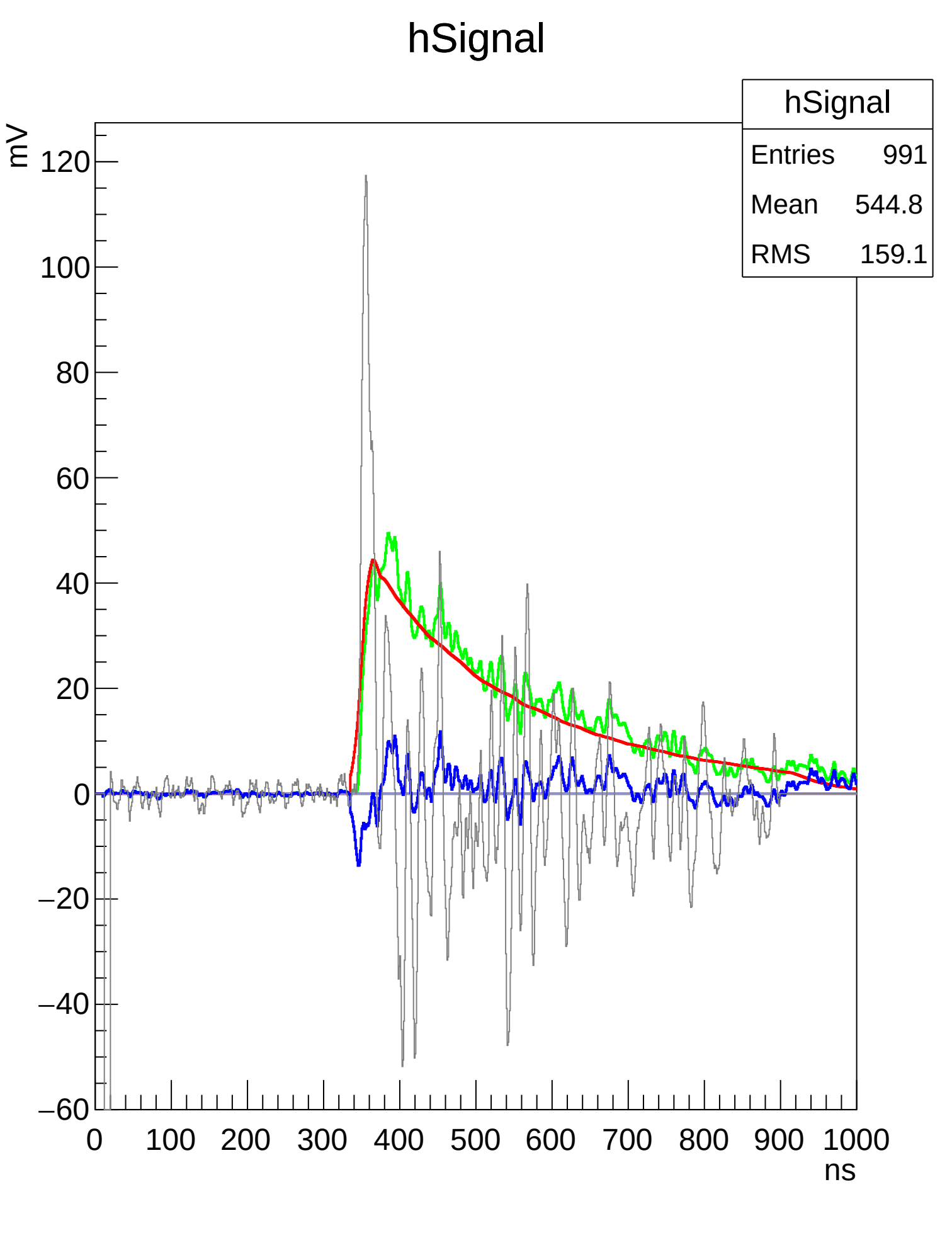

hSignal
hSignal
Entries 991
Mean 556.5
RMS 149.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

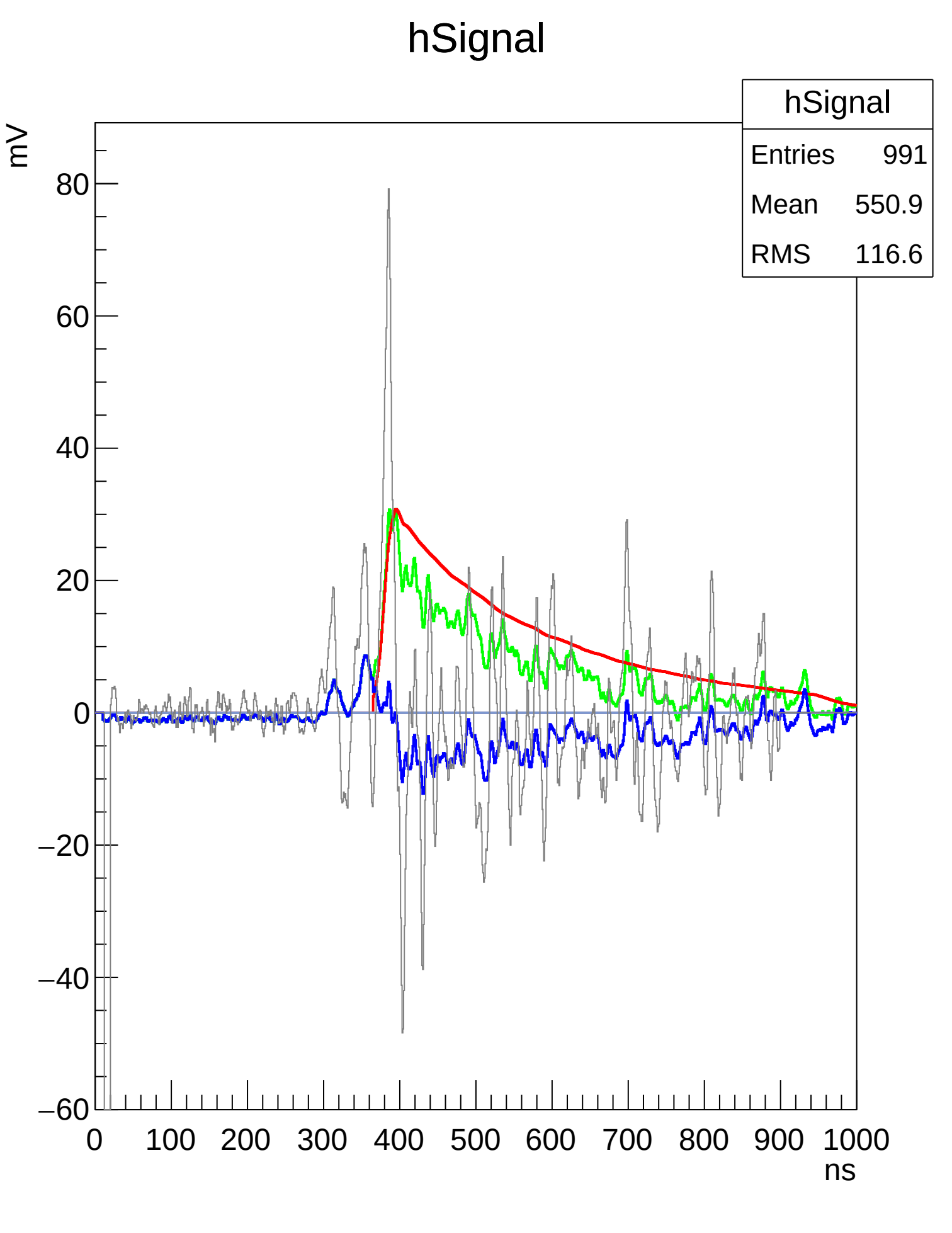

hSignal
hSignal
Entries 991
Mean 586.2
RMS 159.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

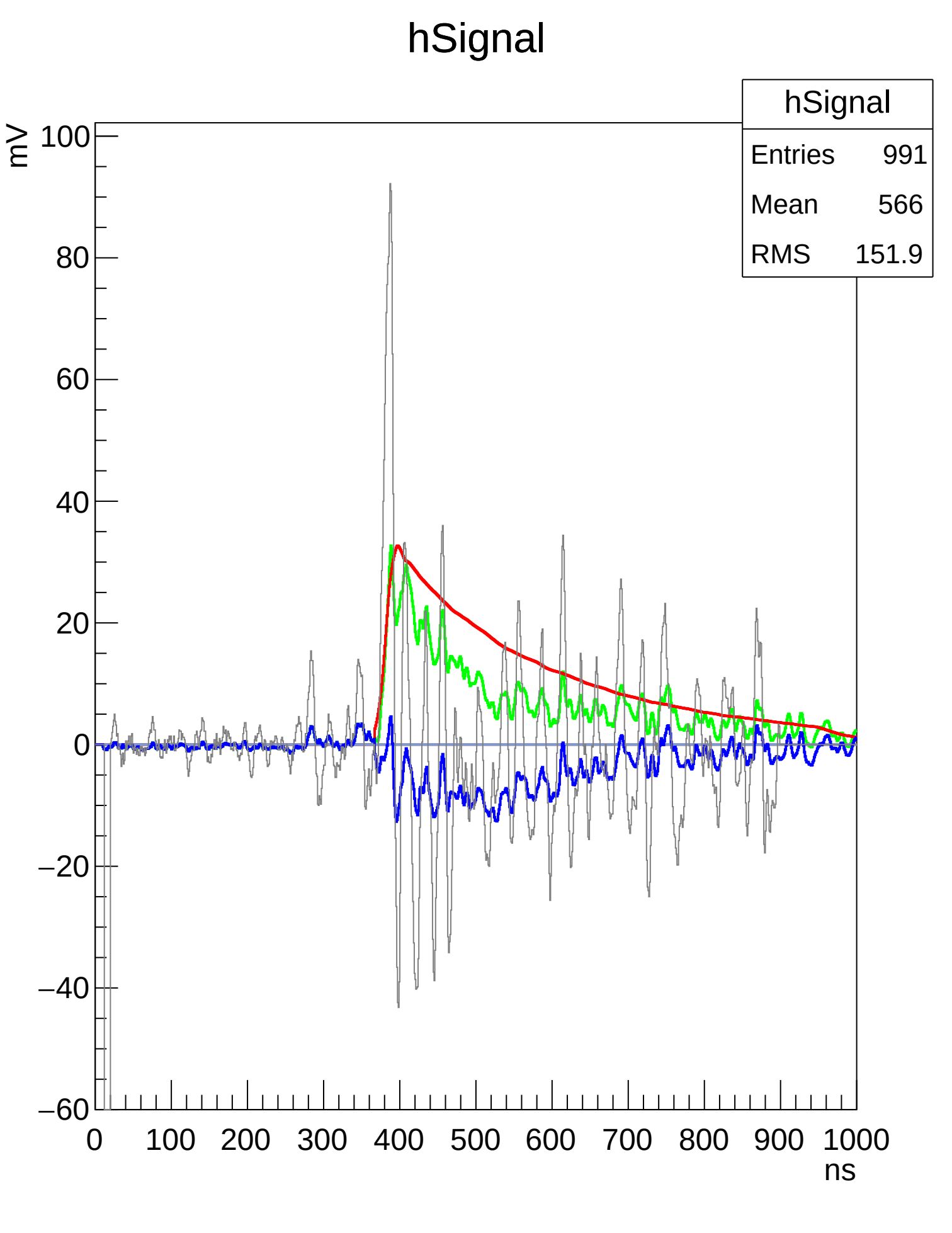

hSignal
hSignal
Entries 991
Mean 514.9
RMS 175.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

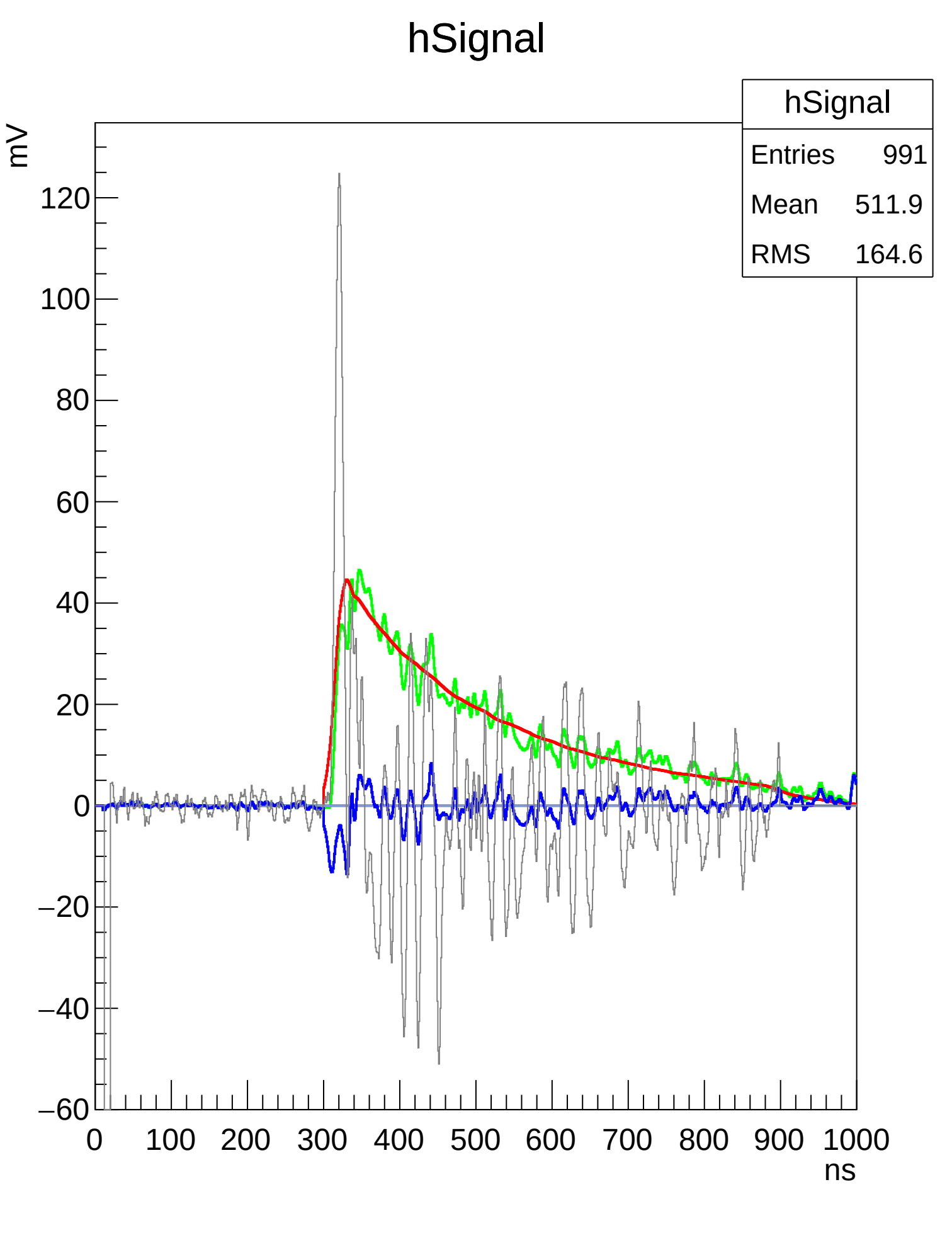

hSignal
hSignal
Entries 991
Mean 512.3
RMS 173.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

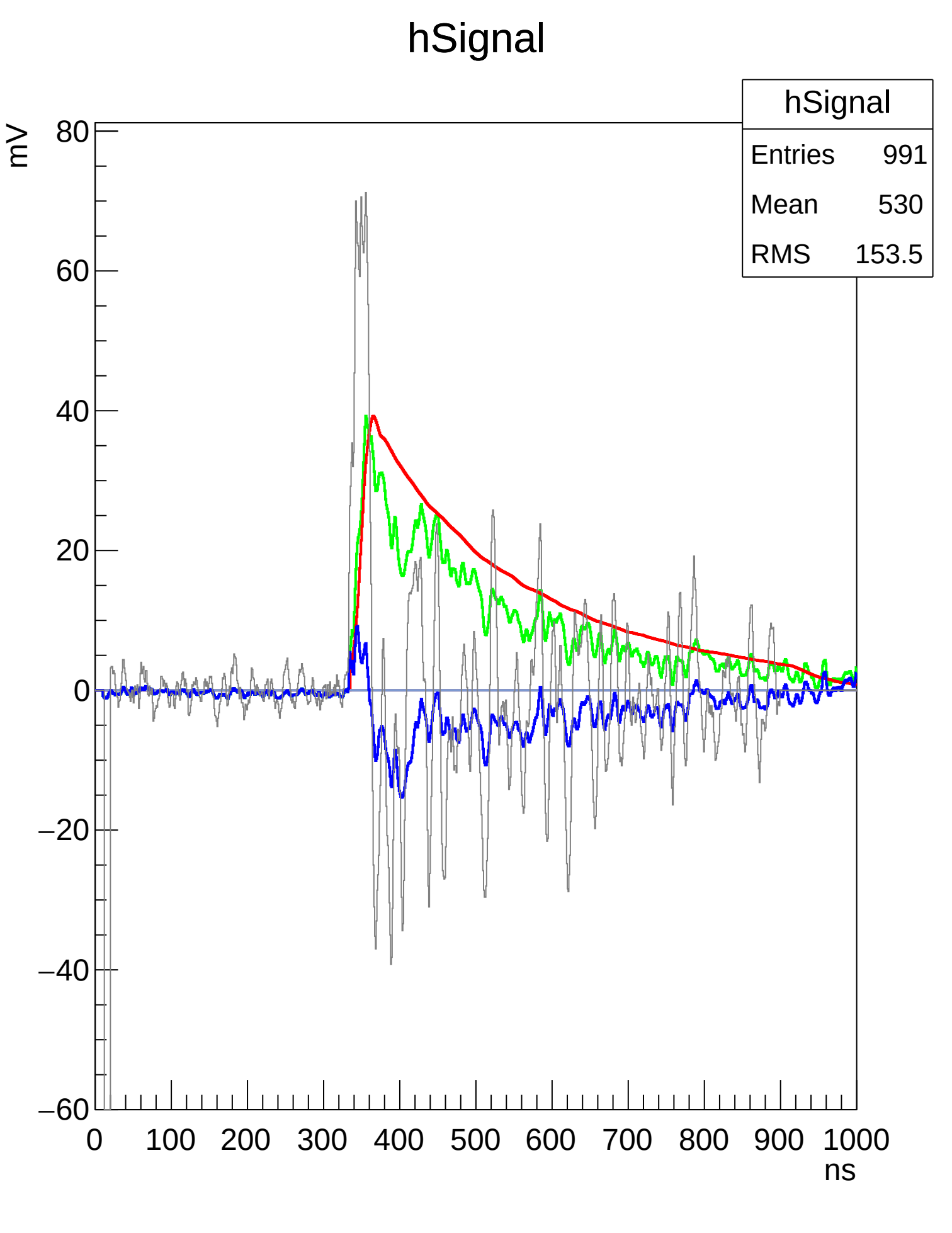

hSignal
hSignal
Entries 991
Mean 567.7
RMS 155.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

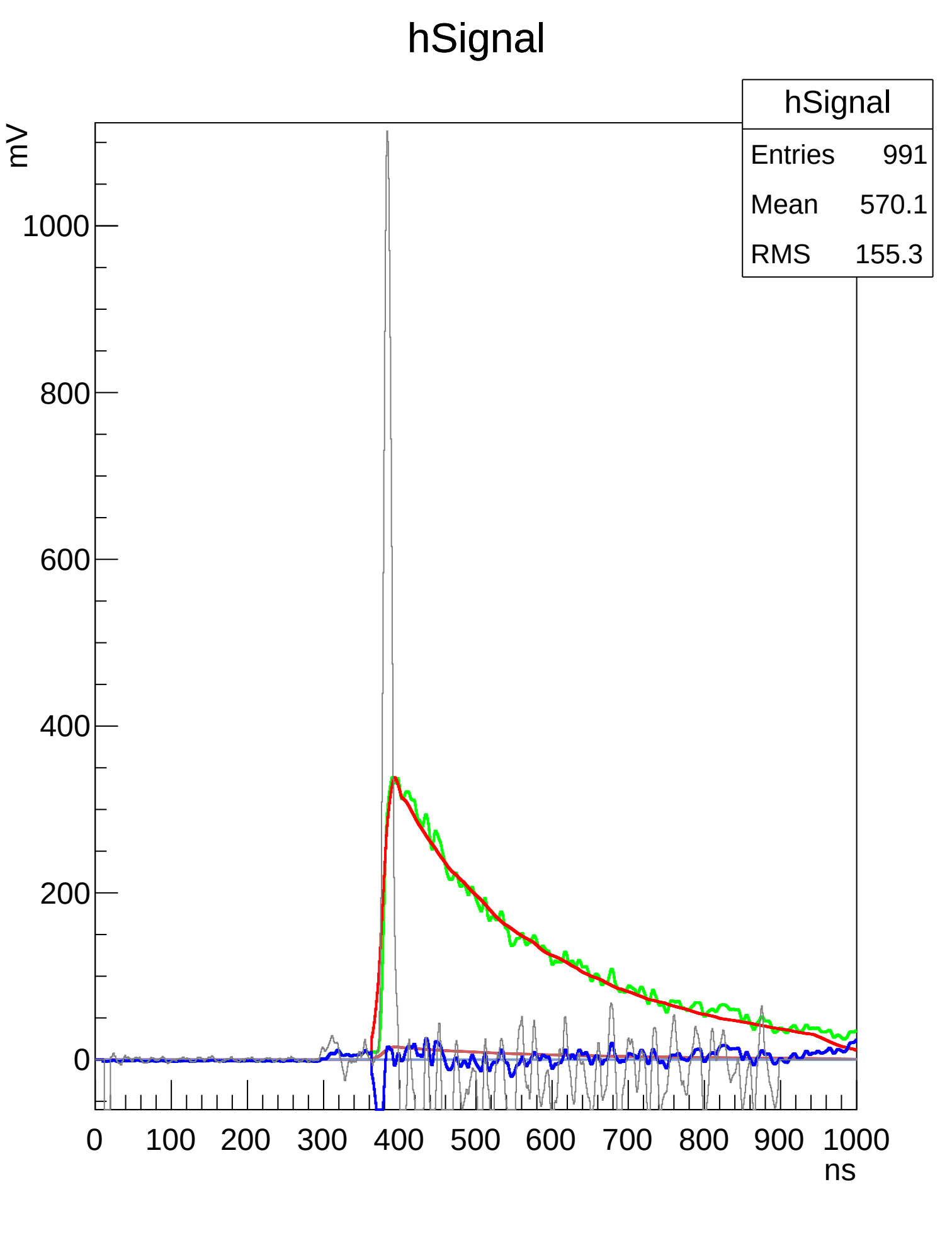

hSignal
hSignal
Entries 991
Mean 544.8
RMS 159.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

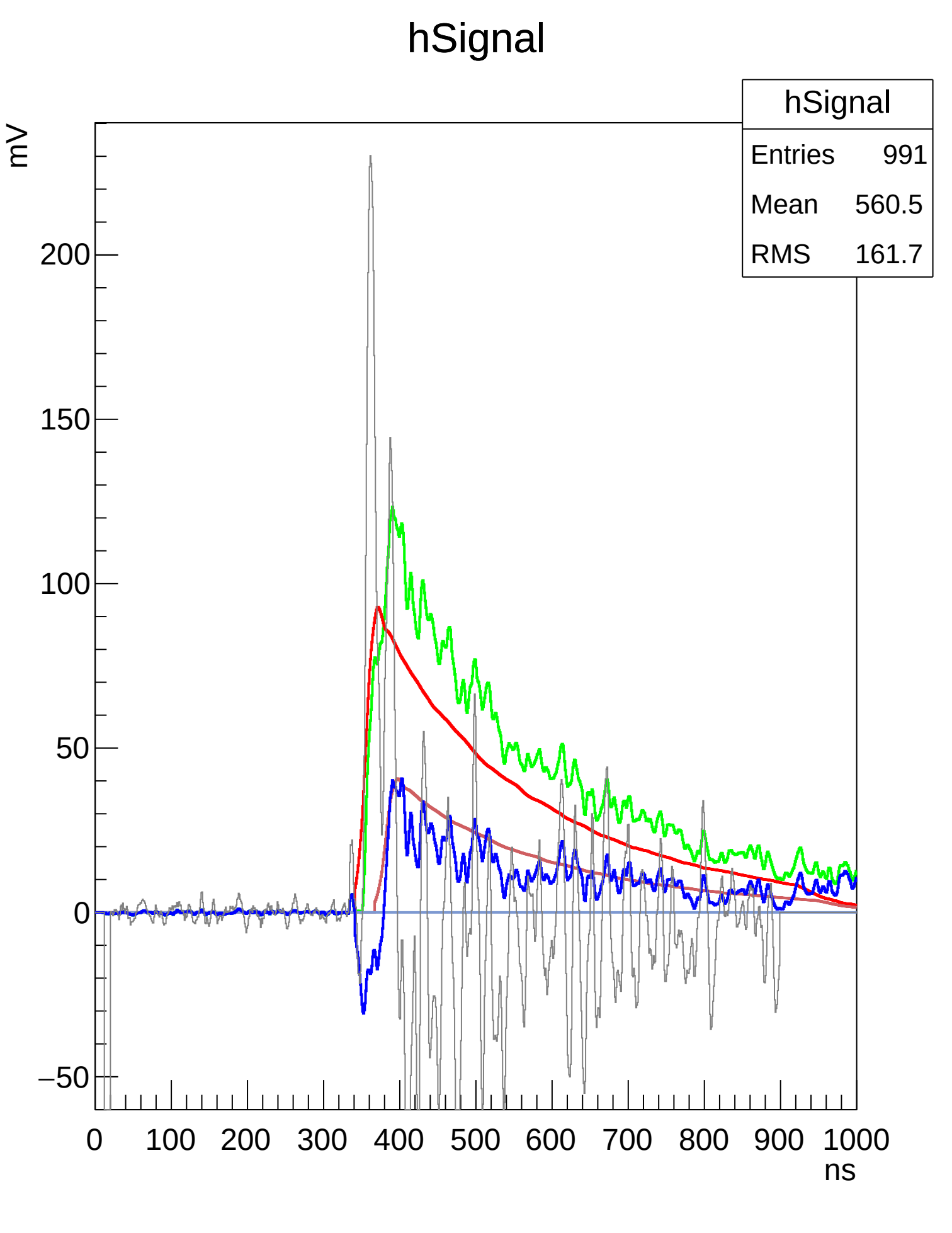

hSignal
hSignal
Entries 991
Mean 550.9
RMS 116.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

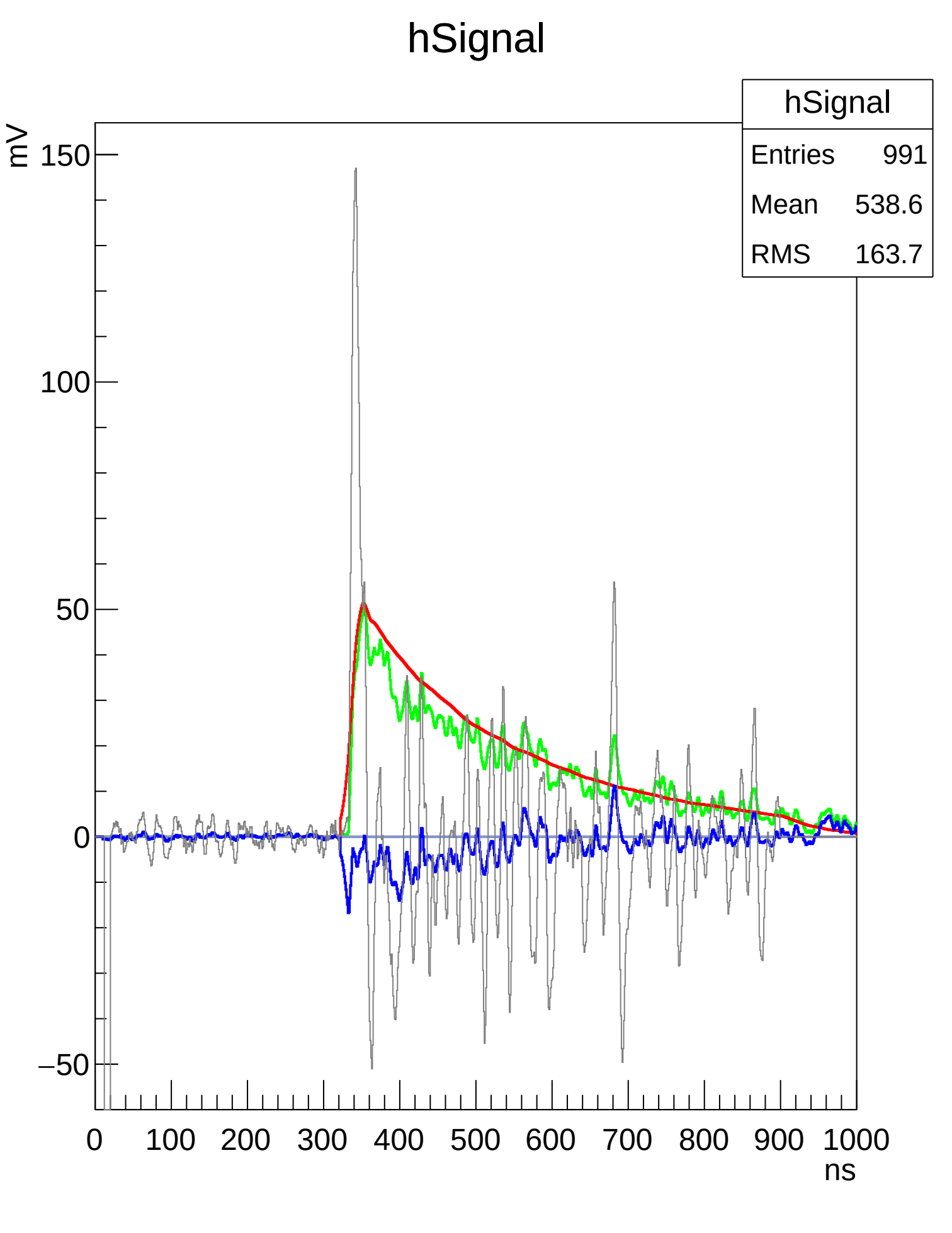

hSignal
hSignal
Entries 991
Mean 566
RMS 151.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

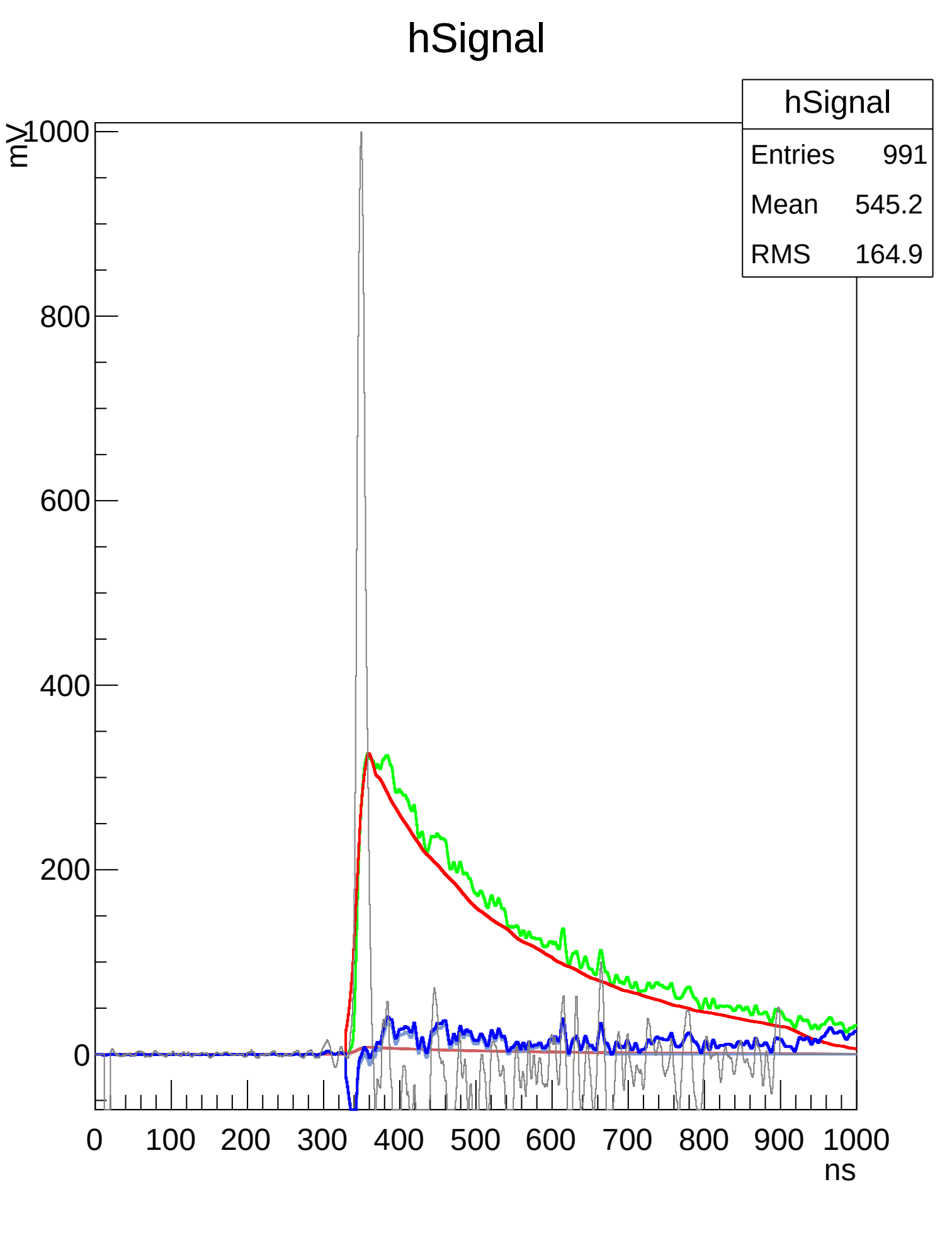

hSignal
hSignal
Entries 991
Mean 511.9
RMS 164.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

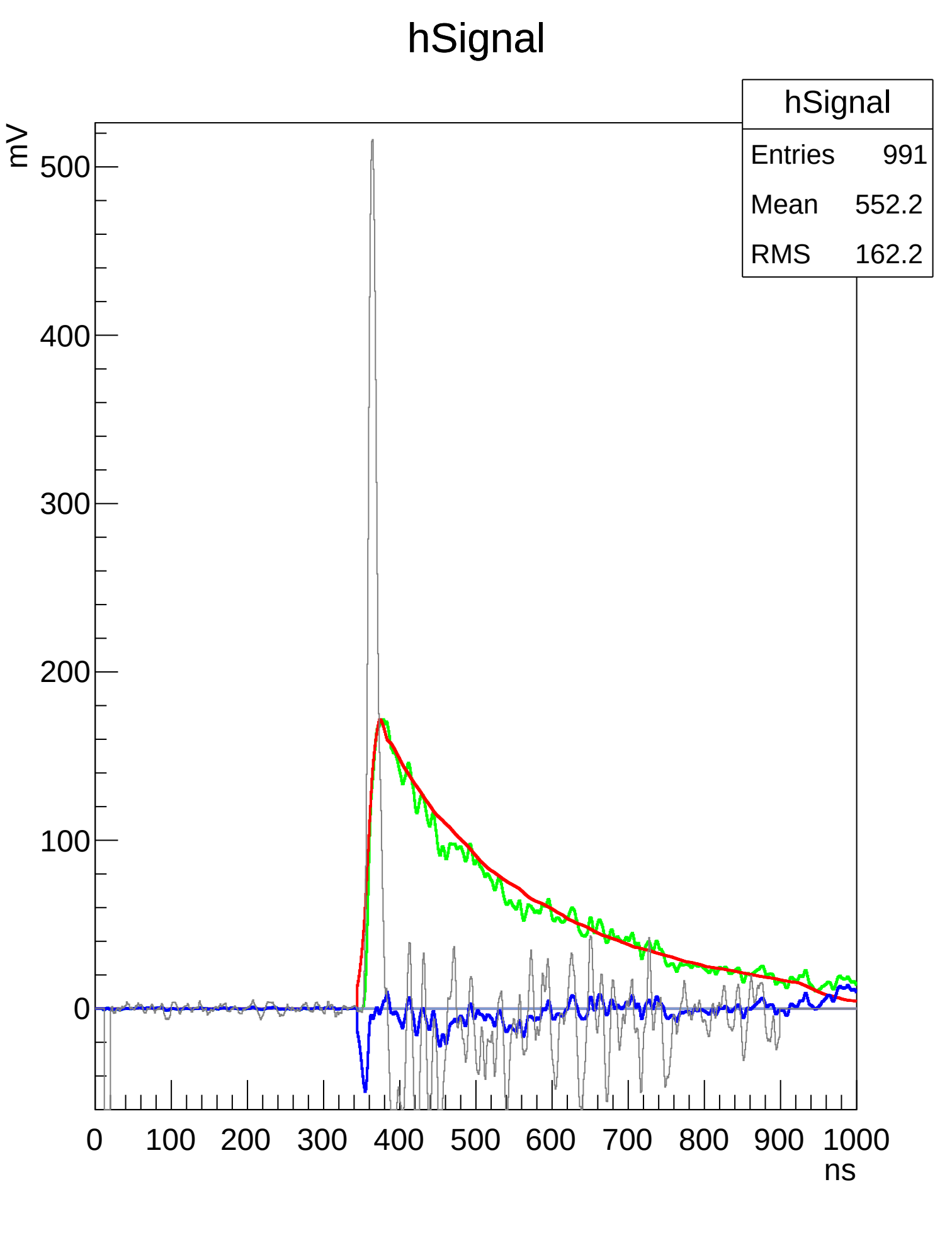

hSignal
hSignal
Entries 991
Mean 530
RMS 153.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

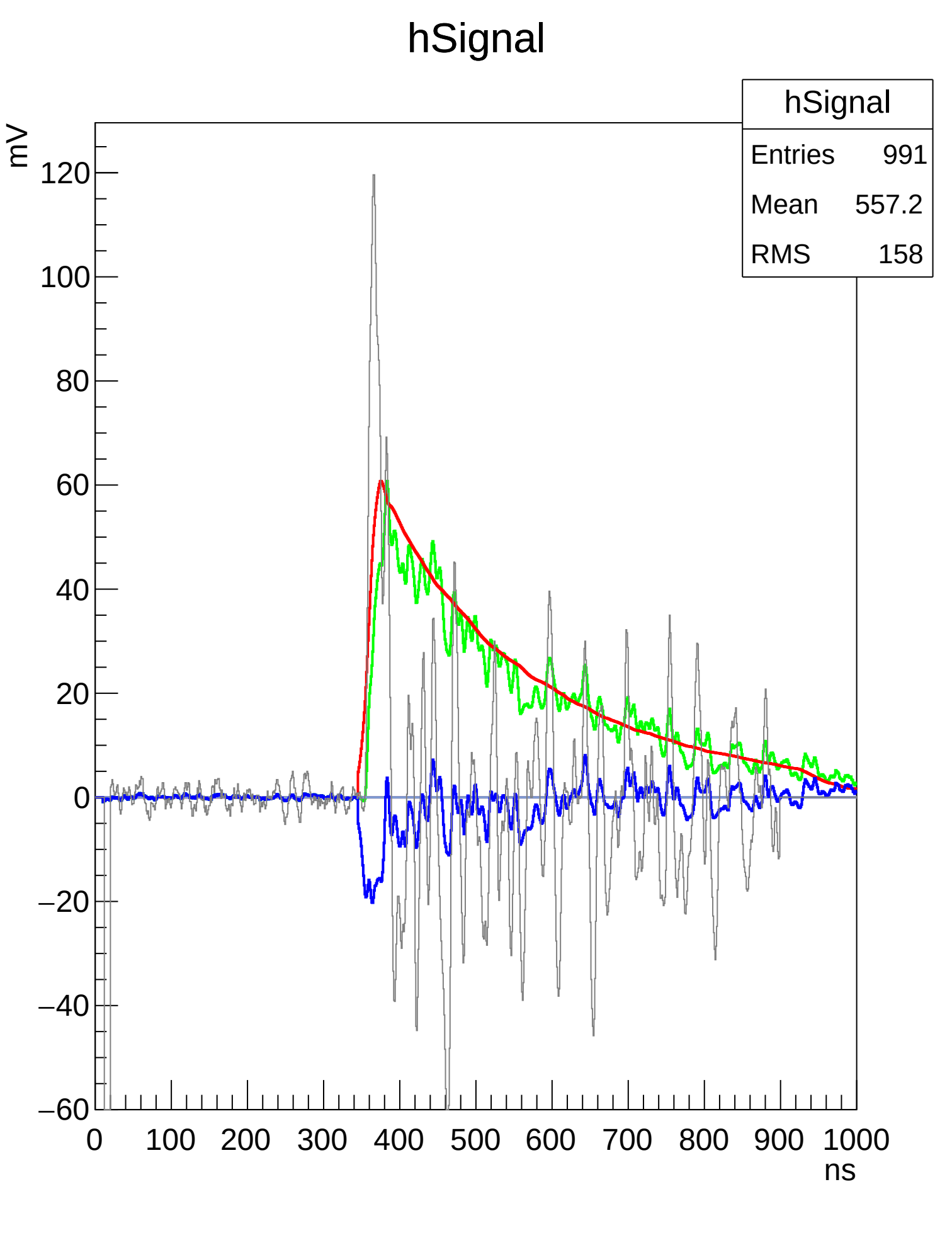

hSignal
hSignal
Entries 991
Mean 570.1
RMS 155.3
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

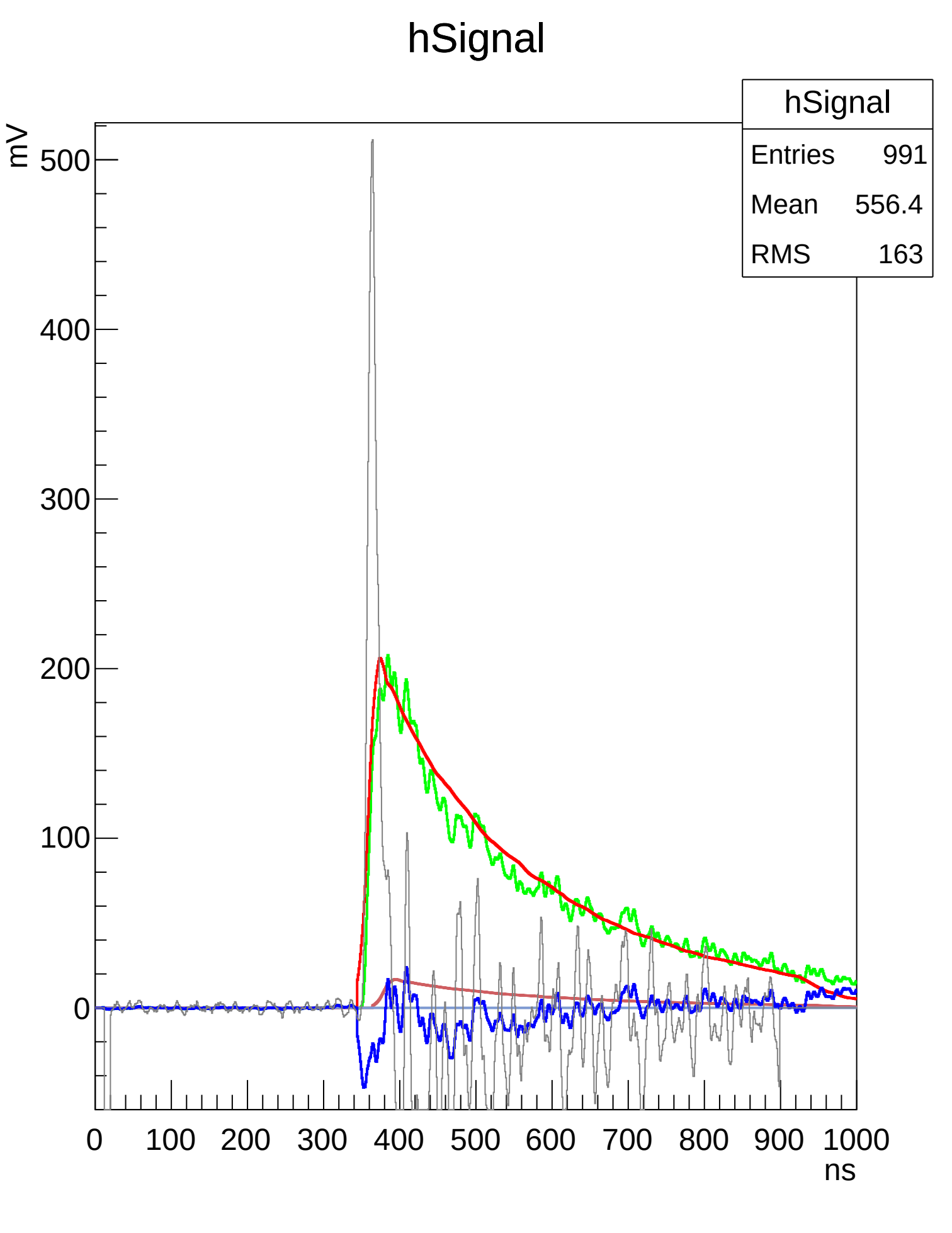

hSignal
hSignal
Entries 991
Mean 560.5
RMS 161.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

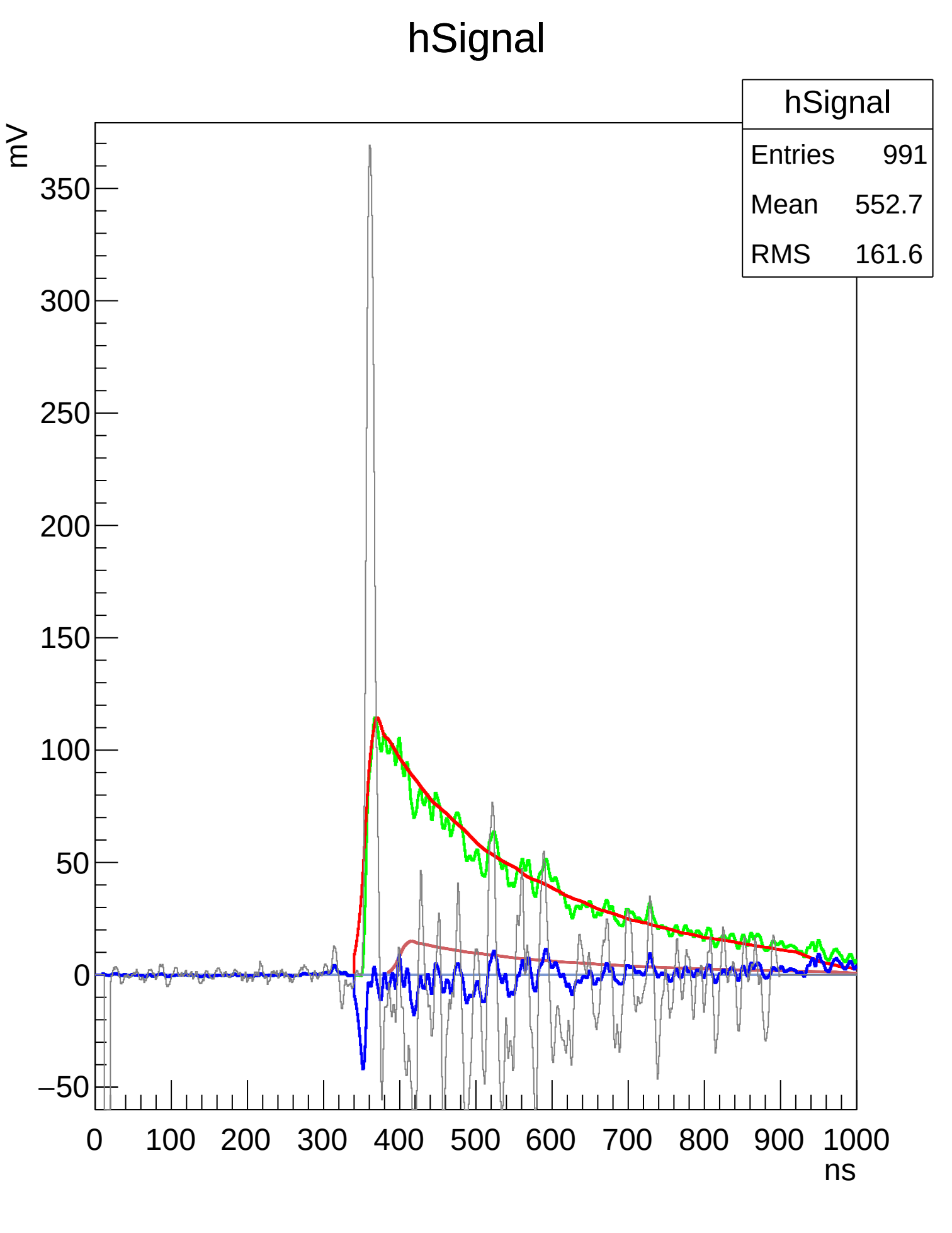

hSignal
hSignal
Entries 991
Mean 538.6
RMS 163.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

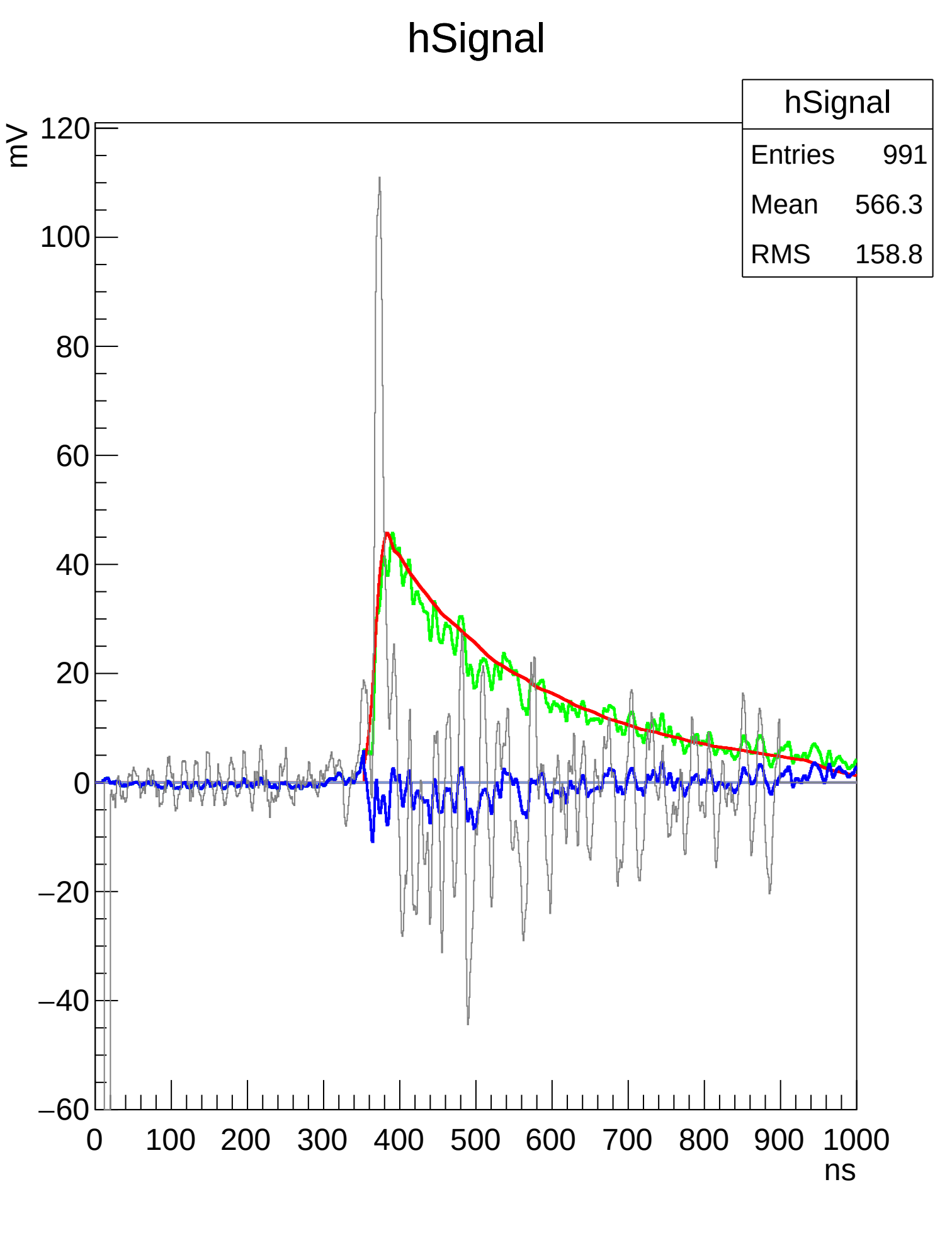

hSignal
hSignal
Entries 991
Mean 545.2
RMS 164.9
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

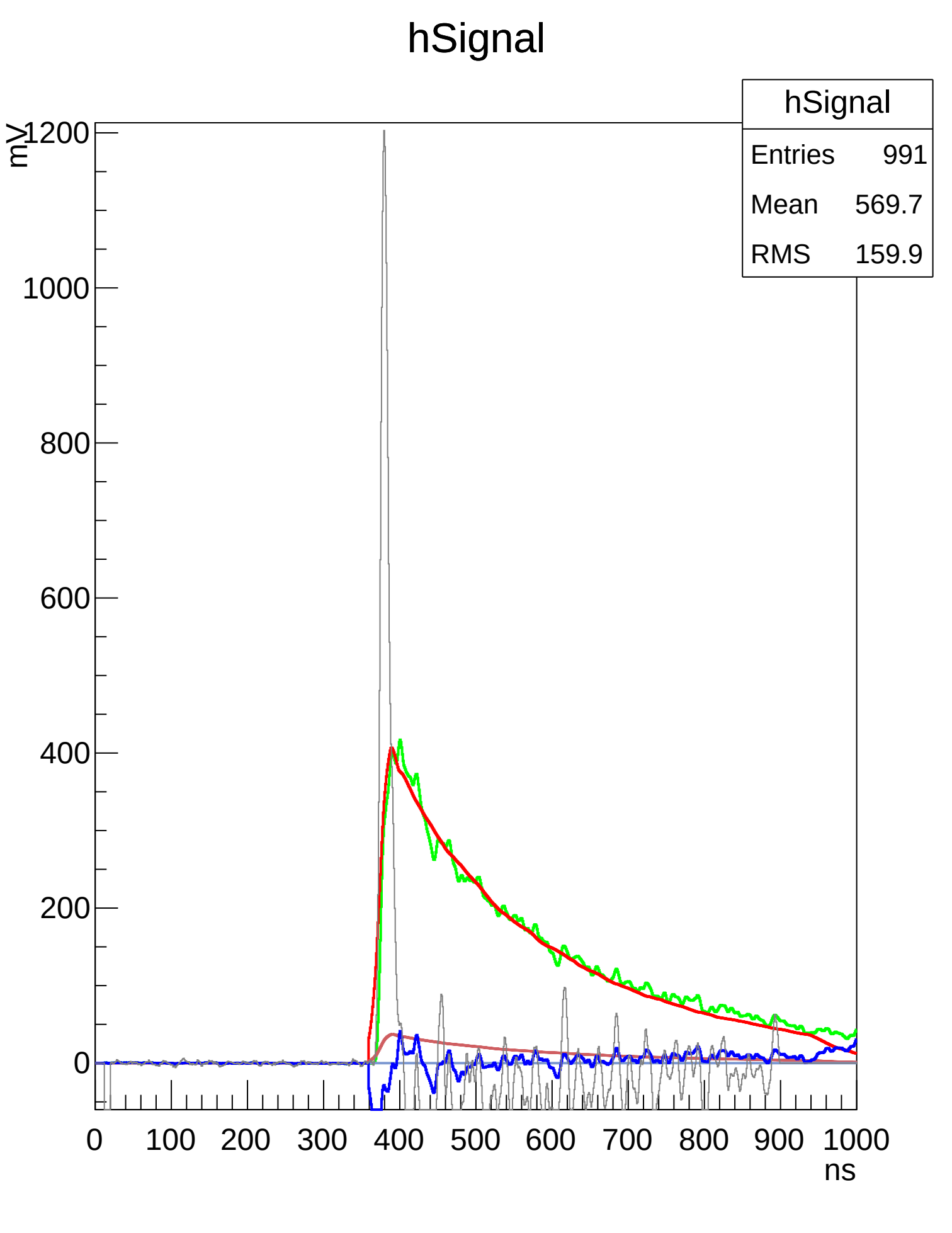

hSignal
hSignal
Entries 991
Mean 552.2
RMS 162.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

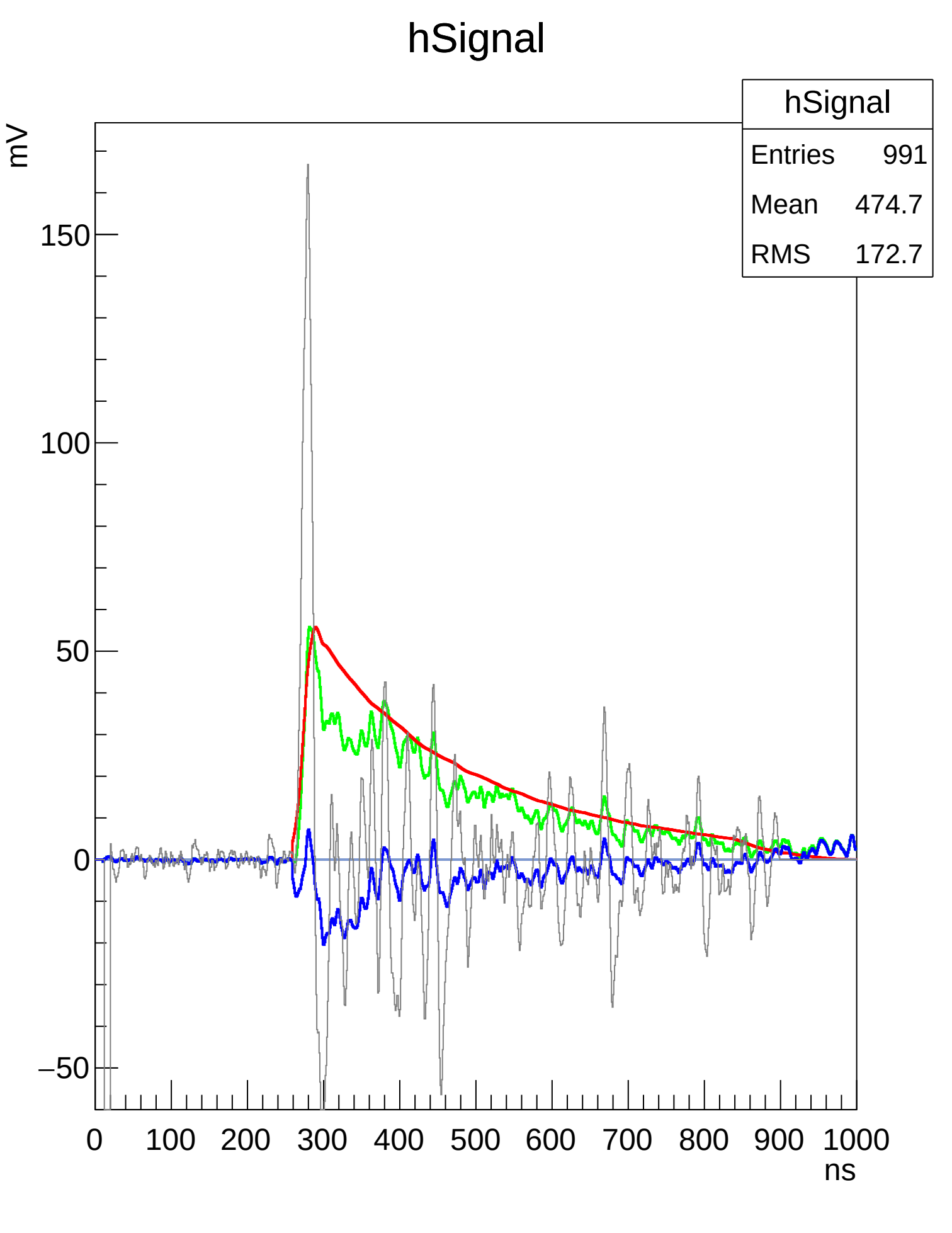

hSignal
hSignal
Entries 991
Mean 557.2
RMS 158
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

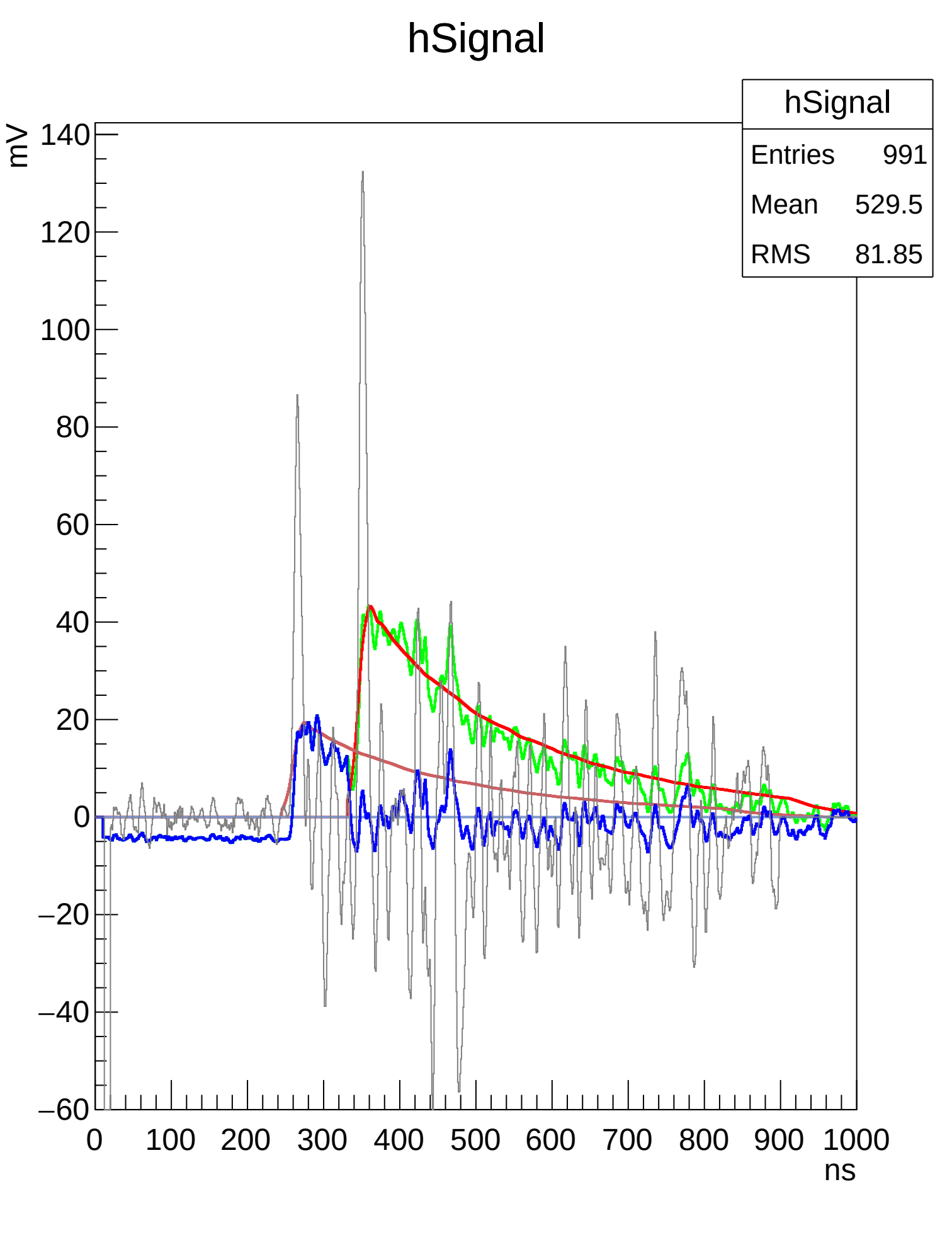

hSignal
hSignal
Entries 991
Mean 556.4
RMS 163
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

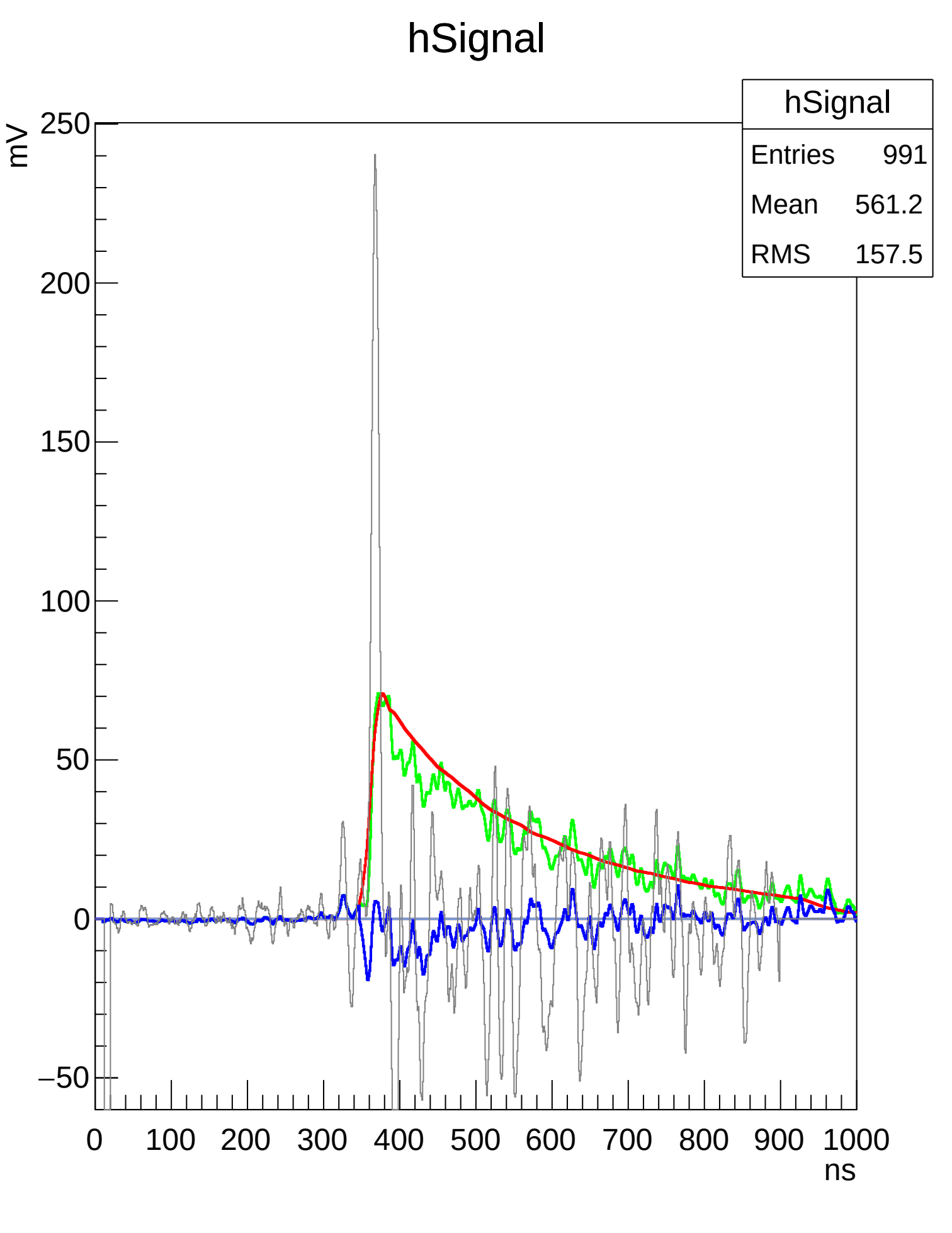

hSignal
hSignal
Entries 991
Mean 552.7
RMS 161.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

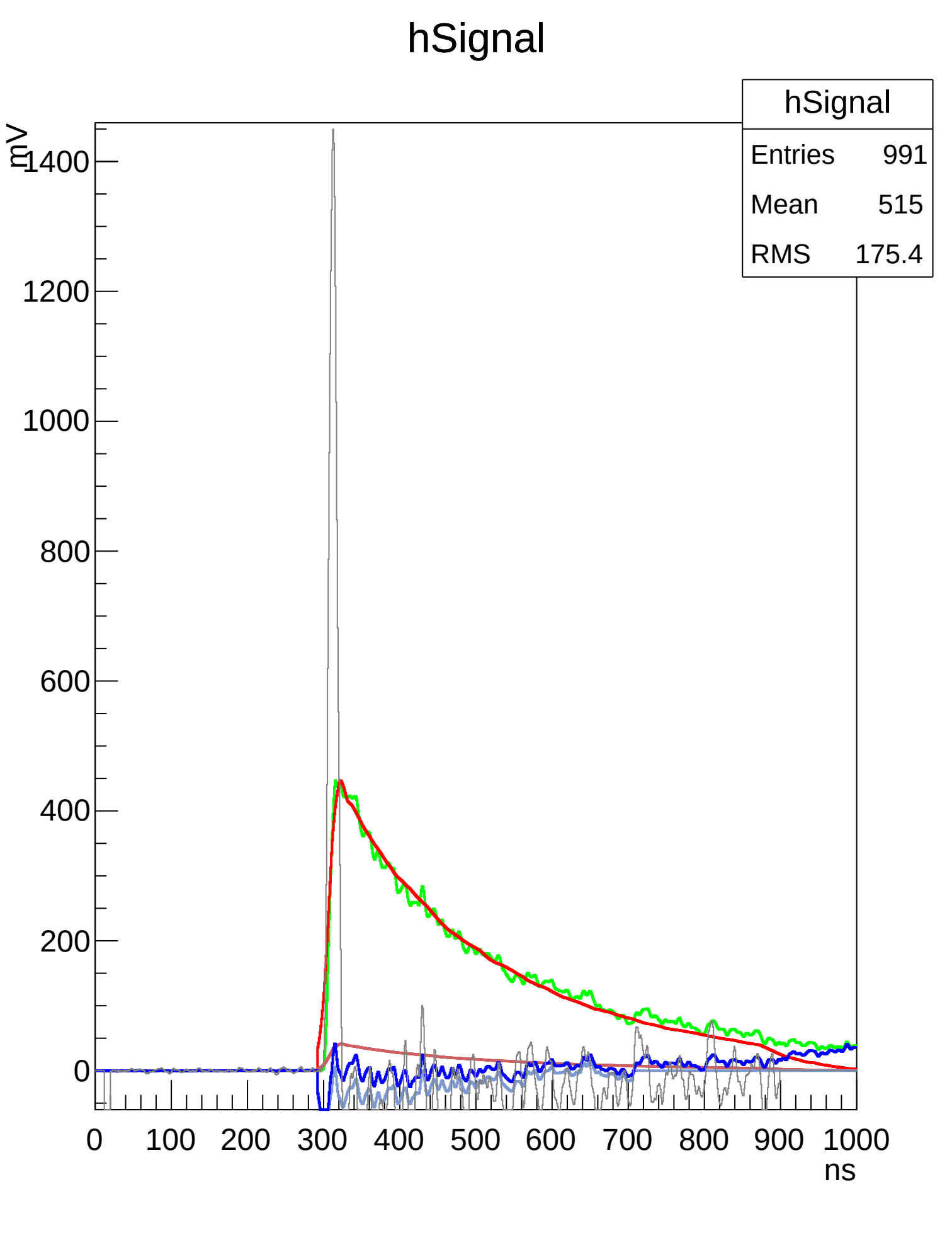

hSignal
hSignal
Entries 991
Mean 566.3
RMS 158.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

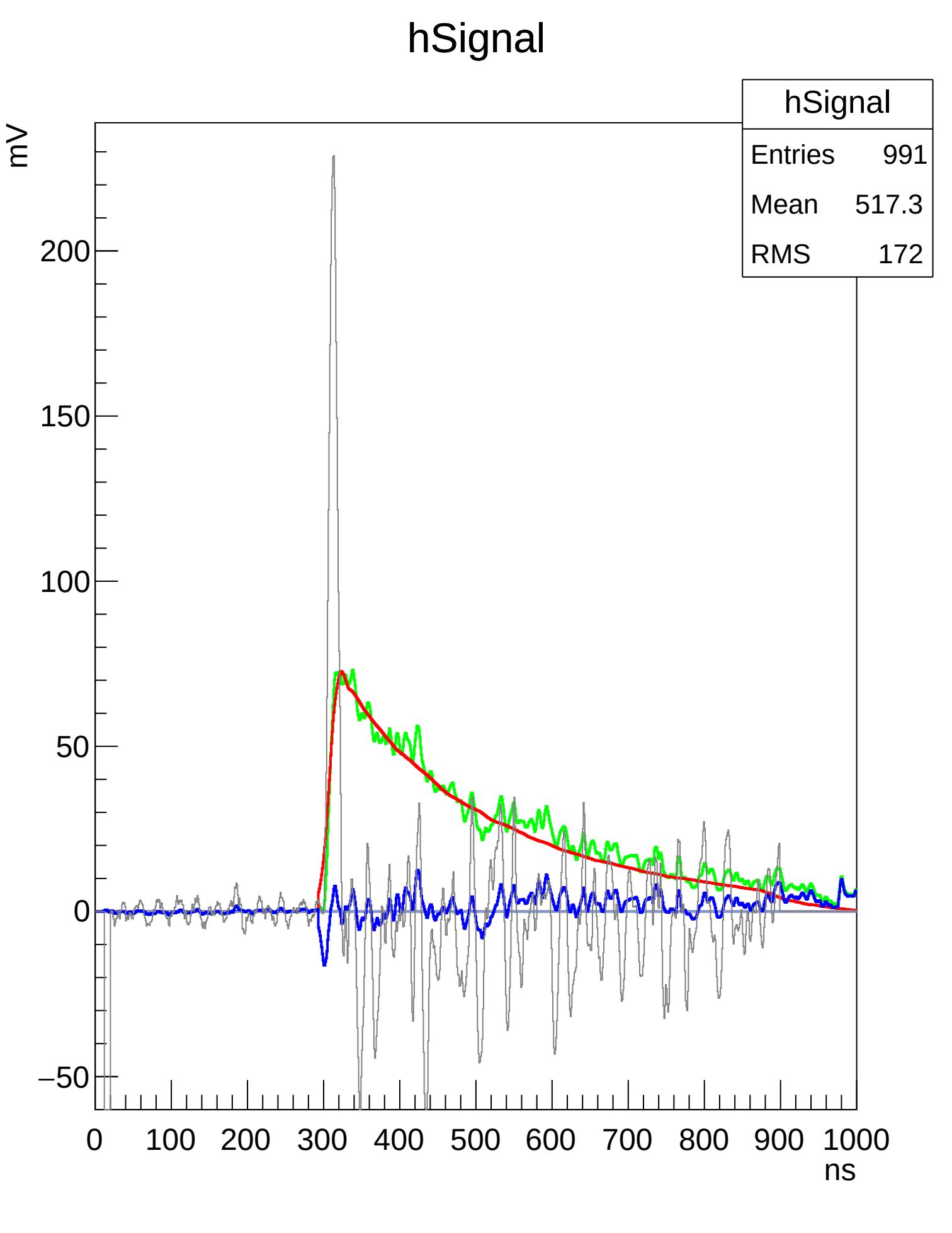

hSignal
hSignal
Entries 991
Mean 569.7
RMS 159.9
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

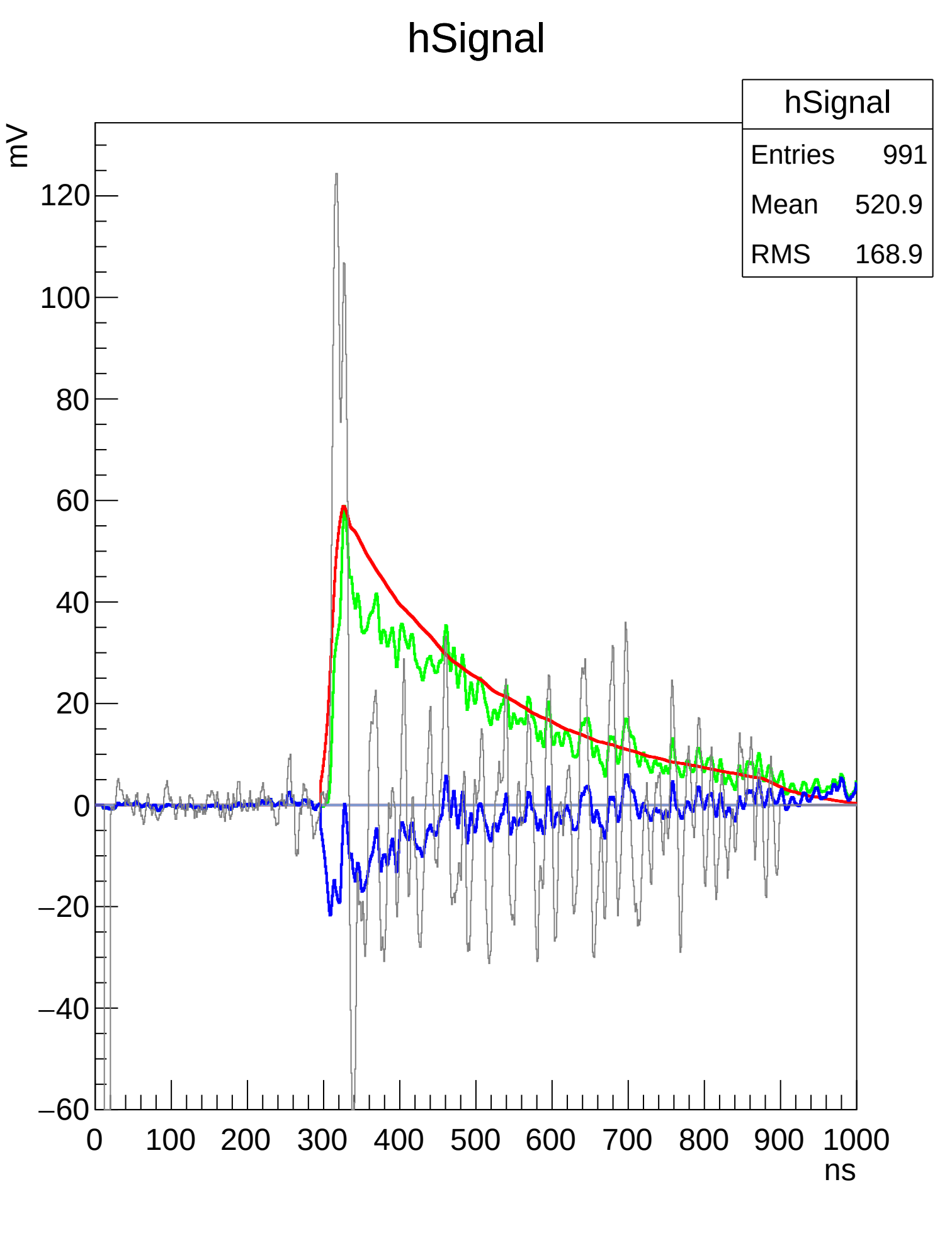

hSignal
hSignal
Entries 991
Mean 474.7
RMS 172.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

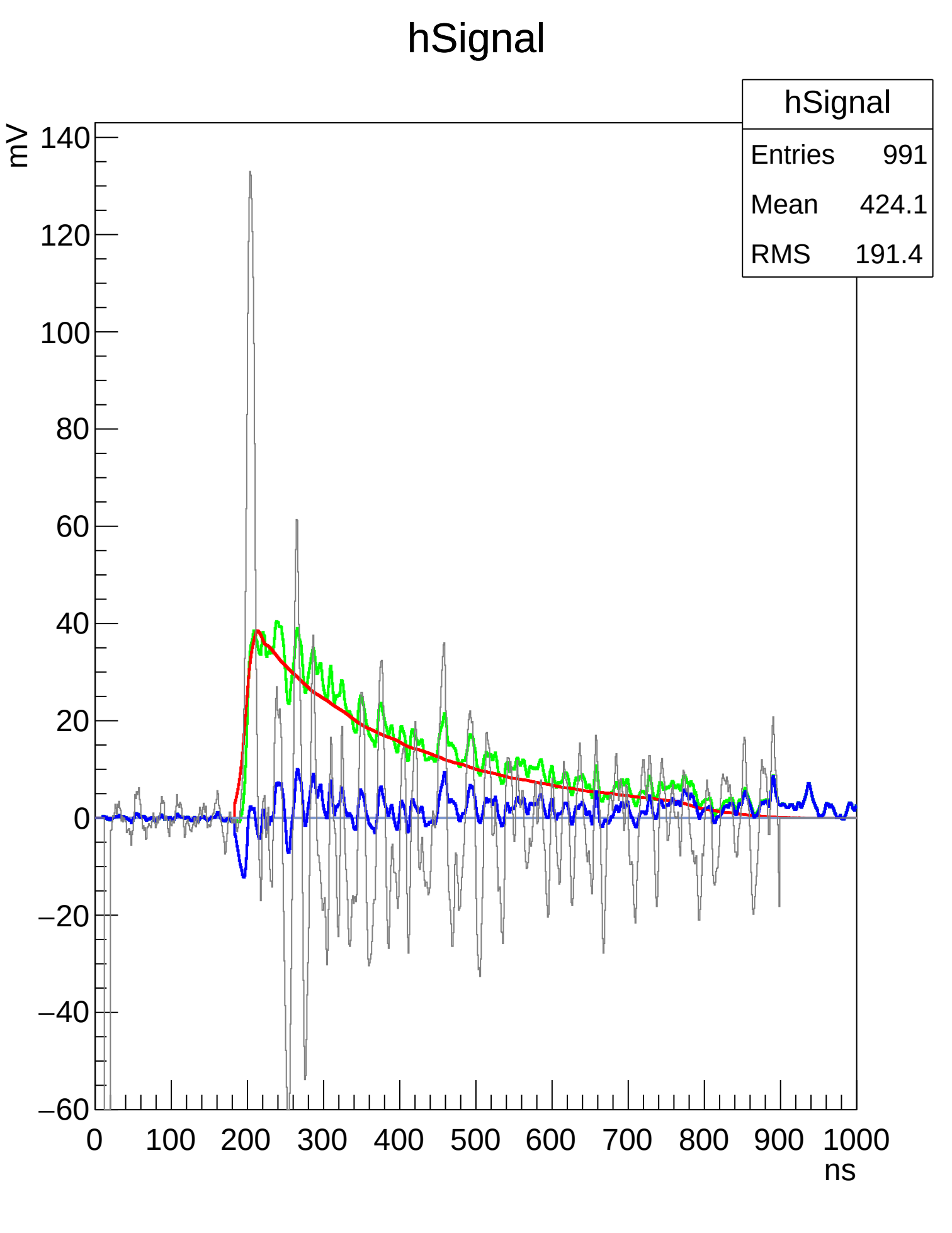

hSignal
hSignal
Entries 991
Mean 529.5
RMS 81.85
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

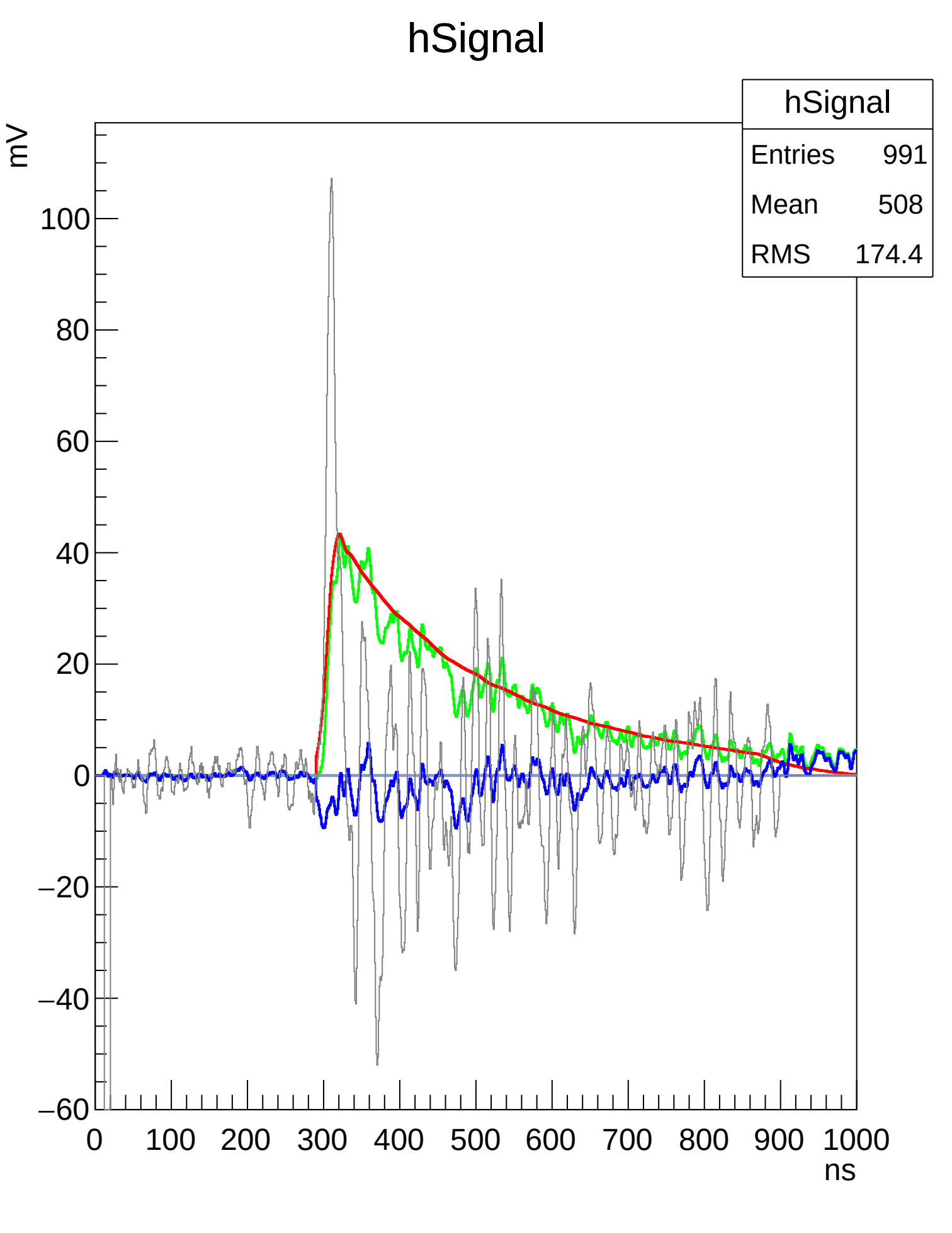

hSignal
hSignal
Entries 991
Mean 561.2
RMS 157.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

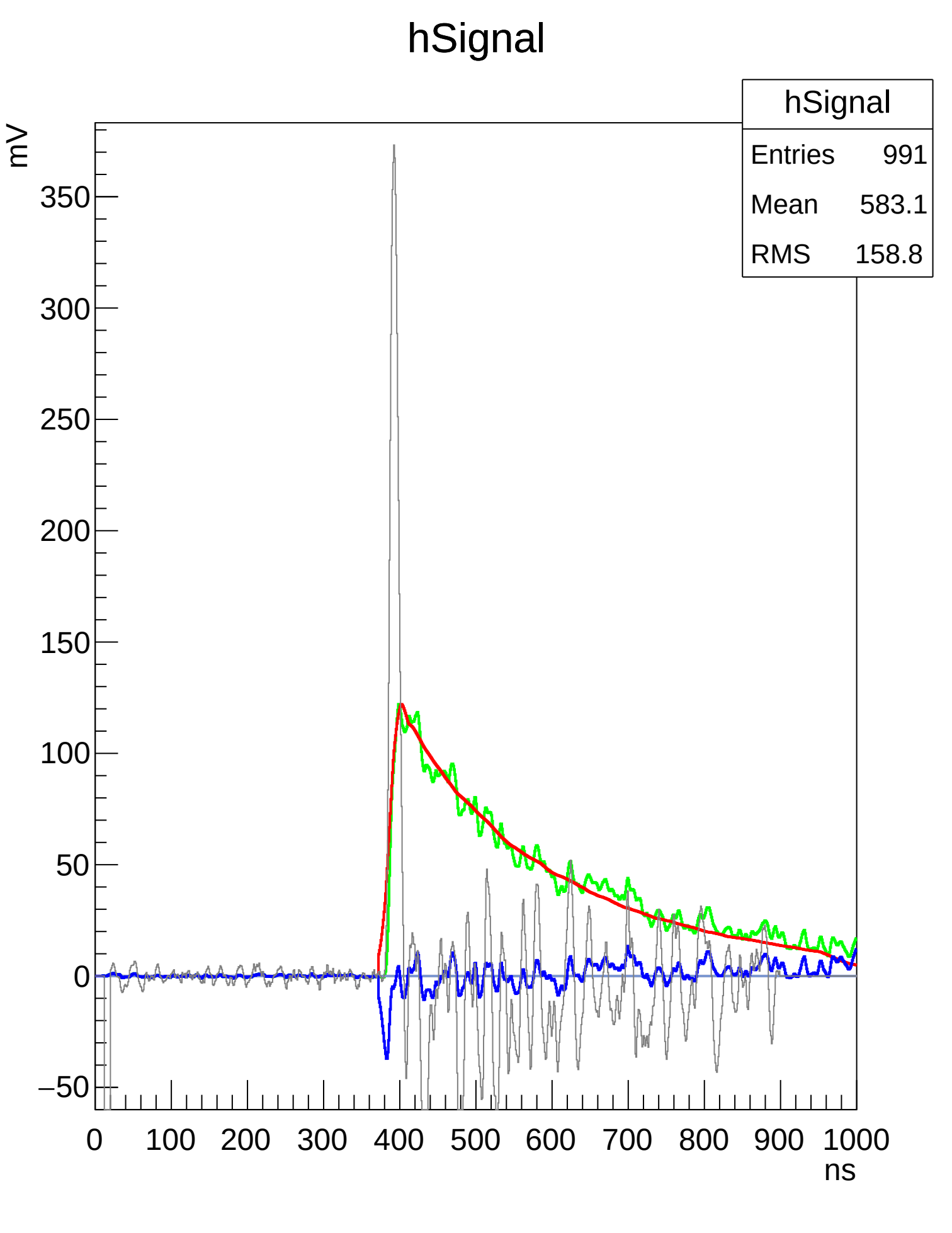

hSignal
hSignal
Entries 991
Mean 515
RMS 175.4
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

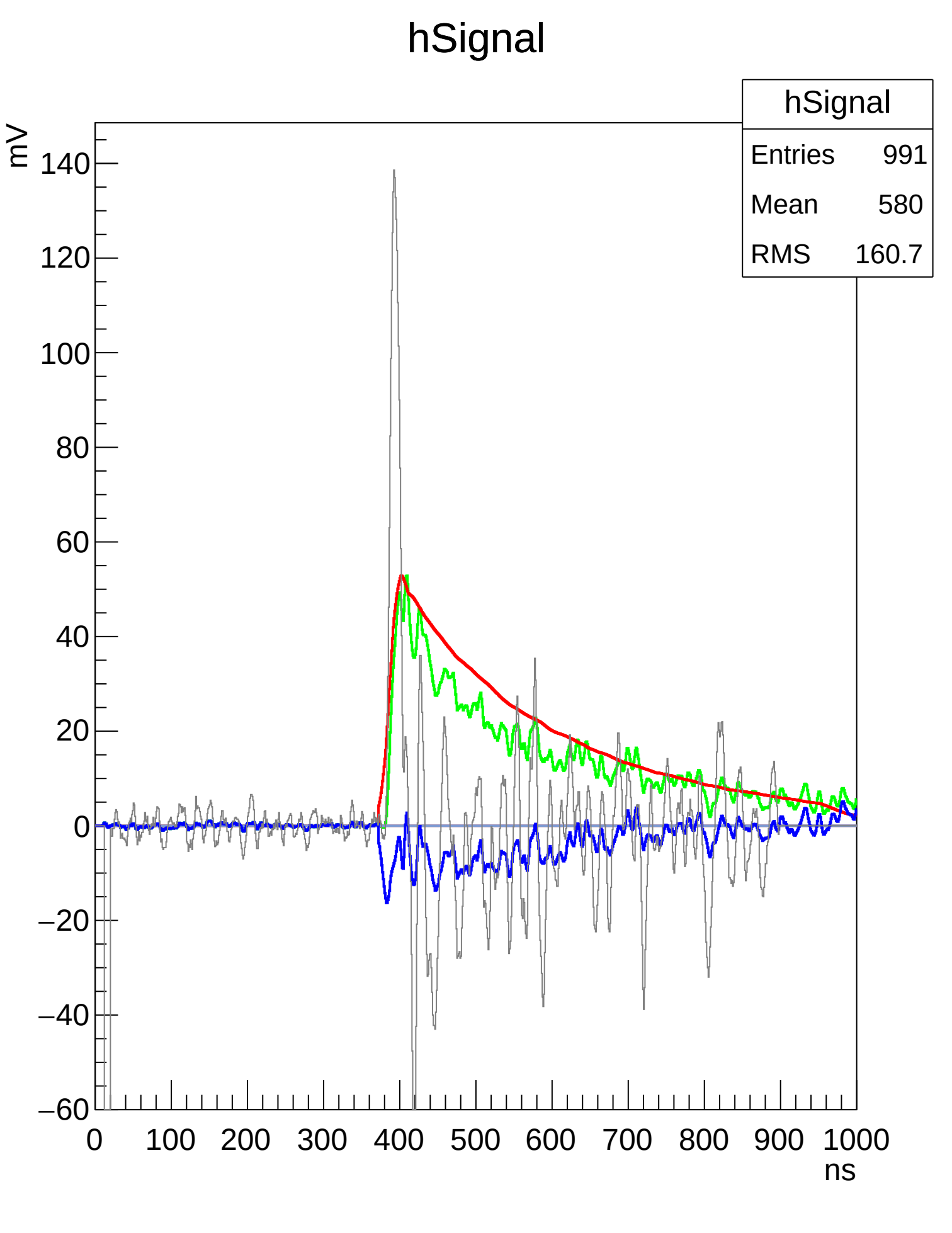

hSignal
hSignal
Entries 991
Mean 517.3
RMS 172
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

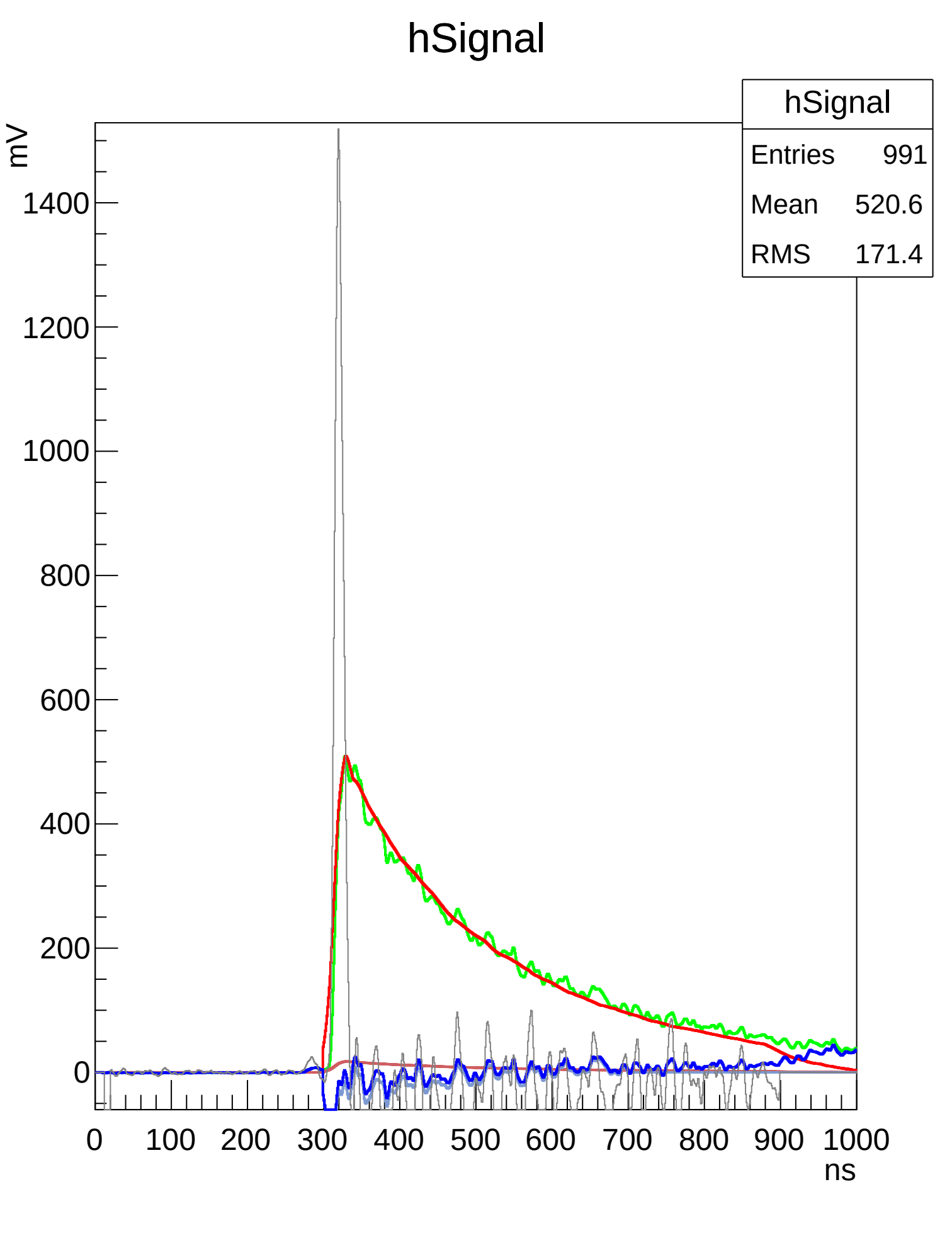

hSignal
hSignal
Entries 991
Mean 520.9
RMS 168.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

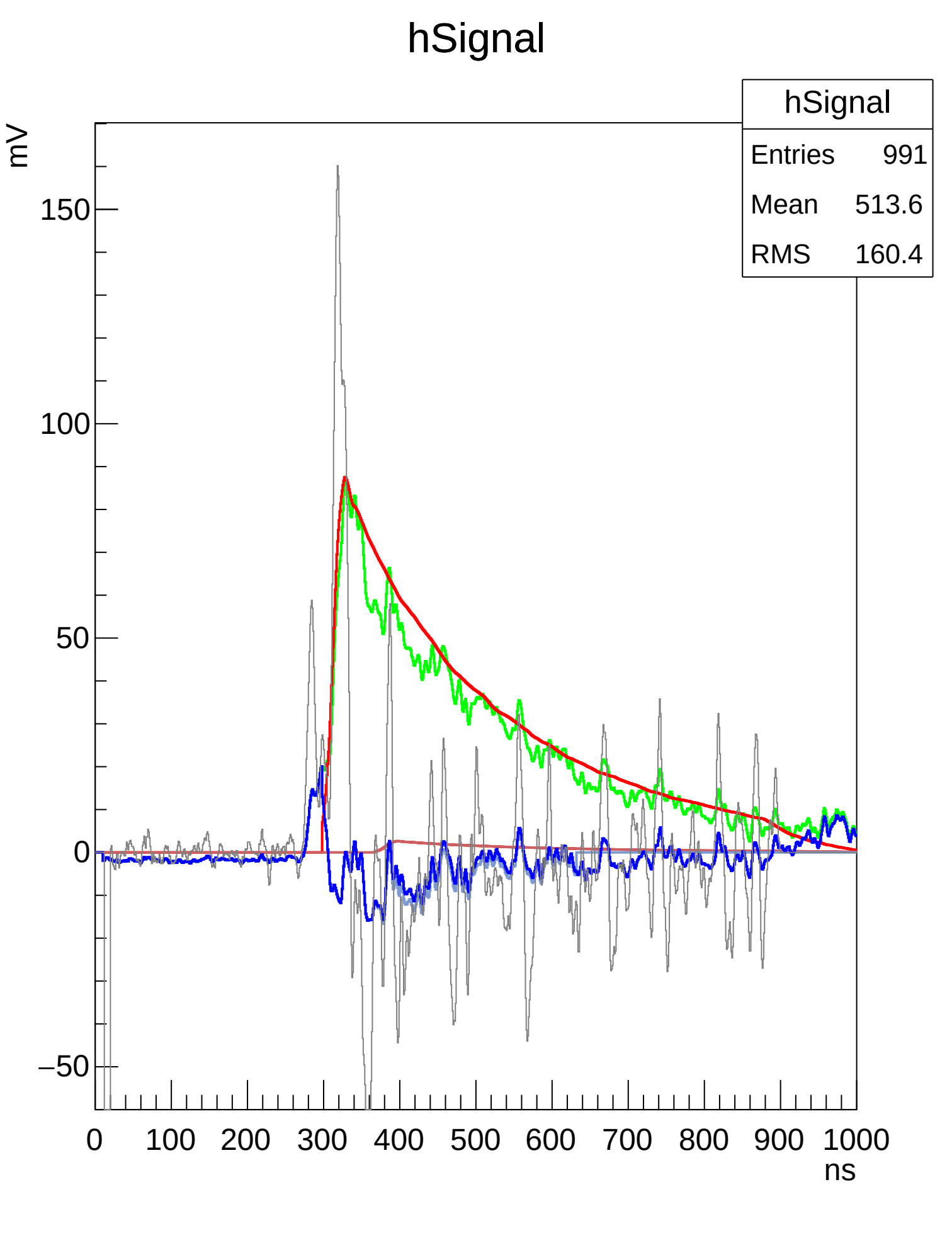

hSignal
hSignal
Entries 991
Mean 424.1
RMS 191.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

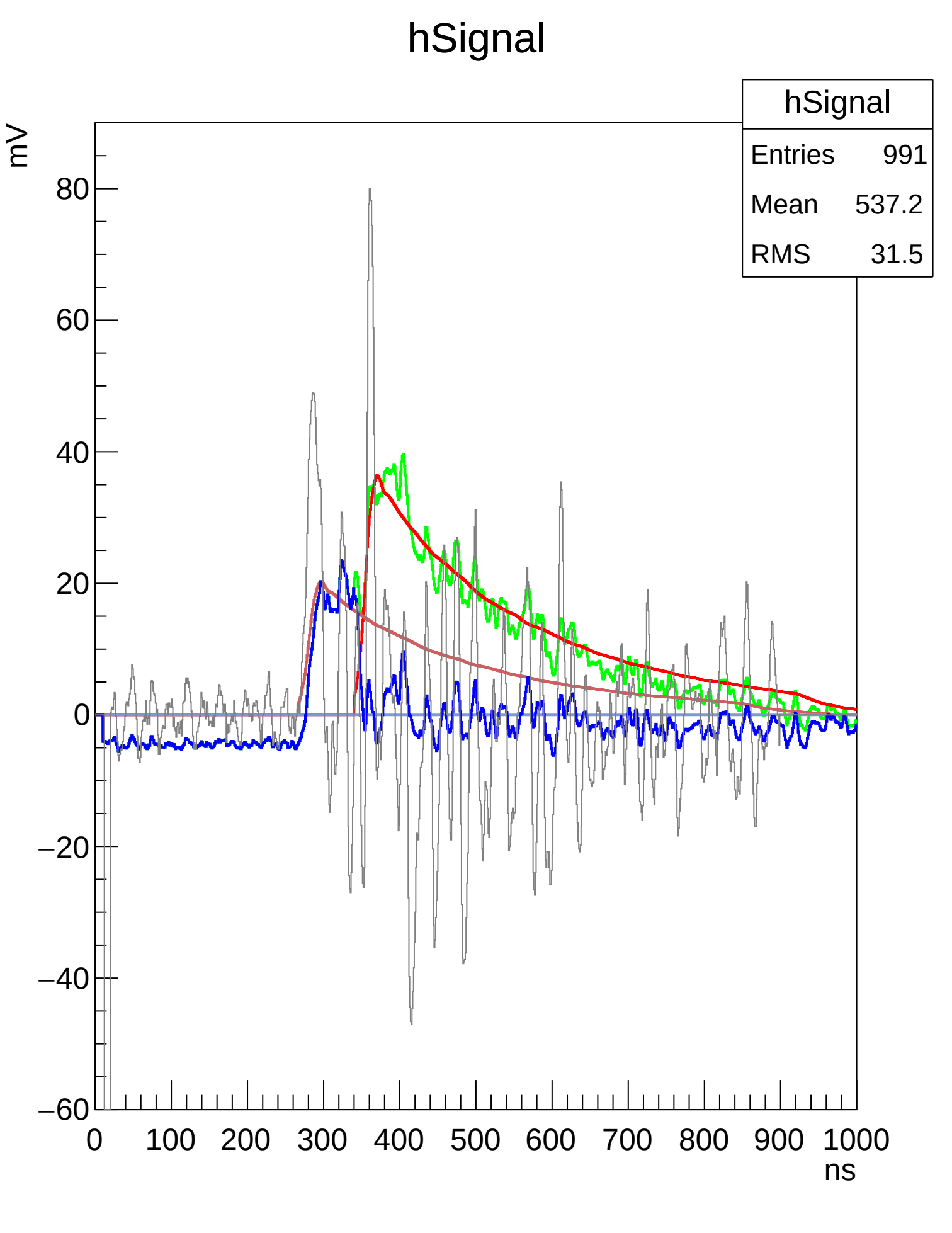

hSignal
hSignal
Entries 991
Mean 508
RMS 174.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

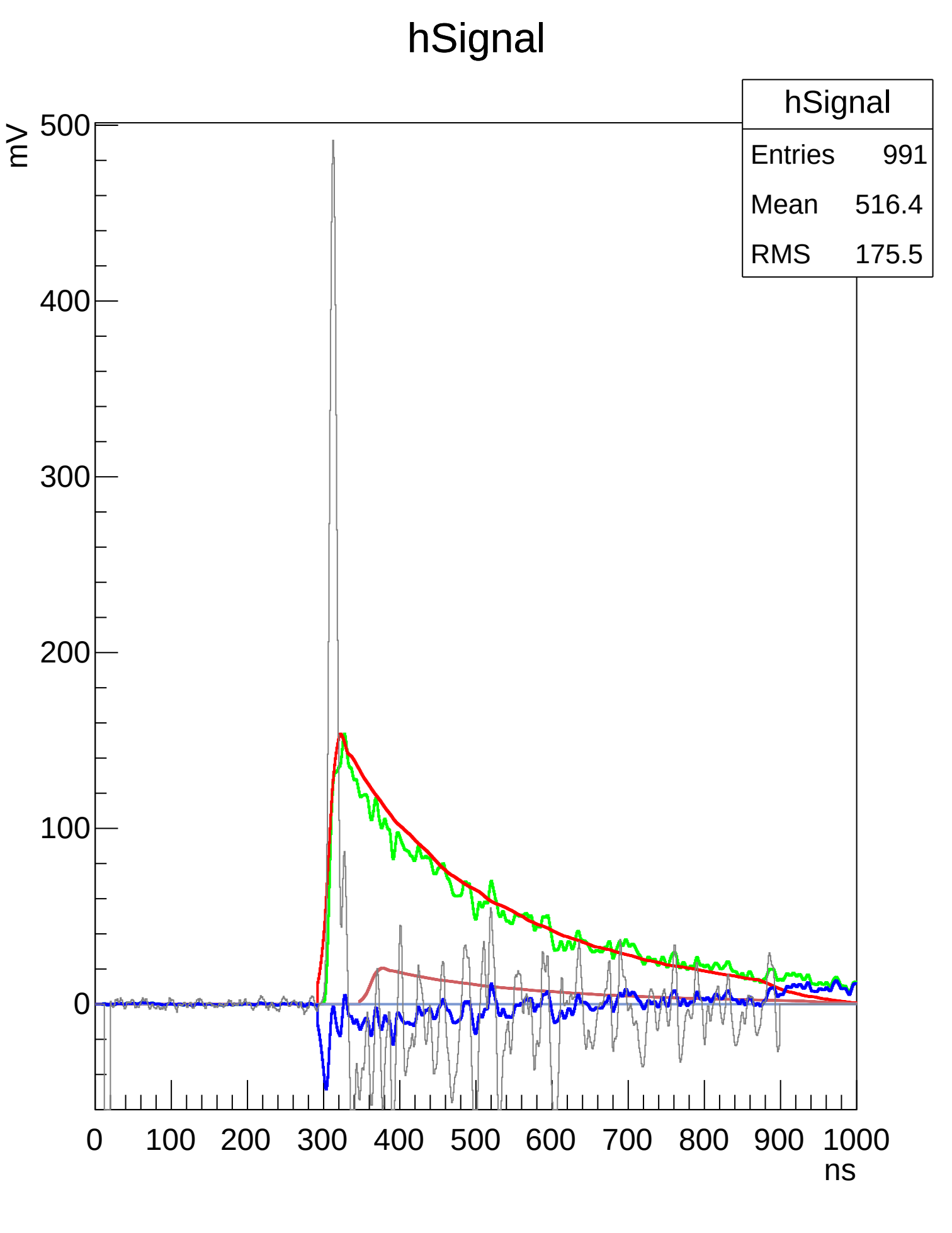

hSignal
hSignal
Entries 991
Mean 583.1
RMS 158.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

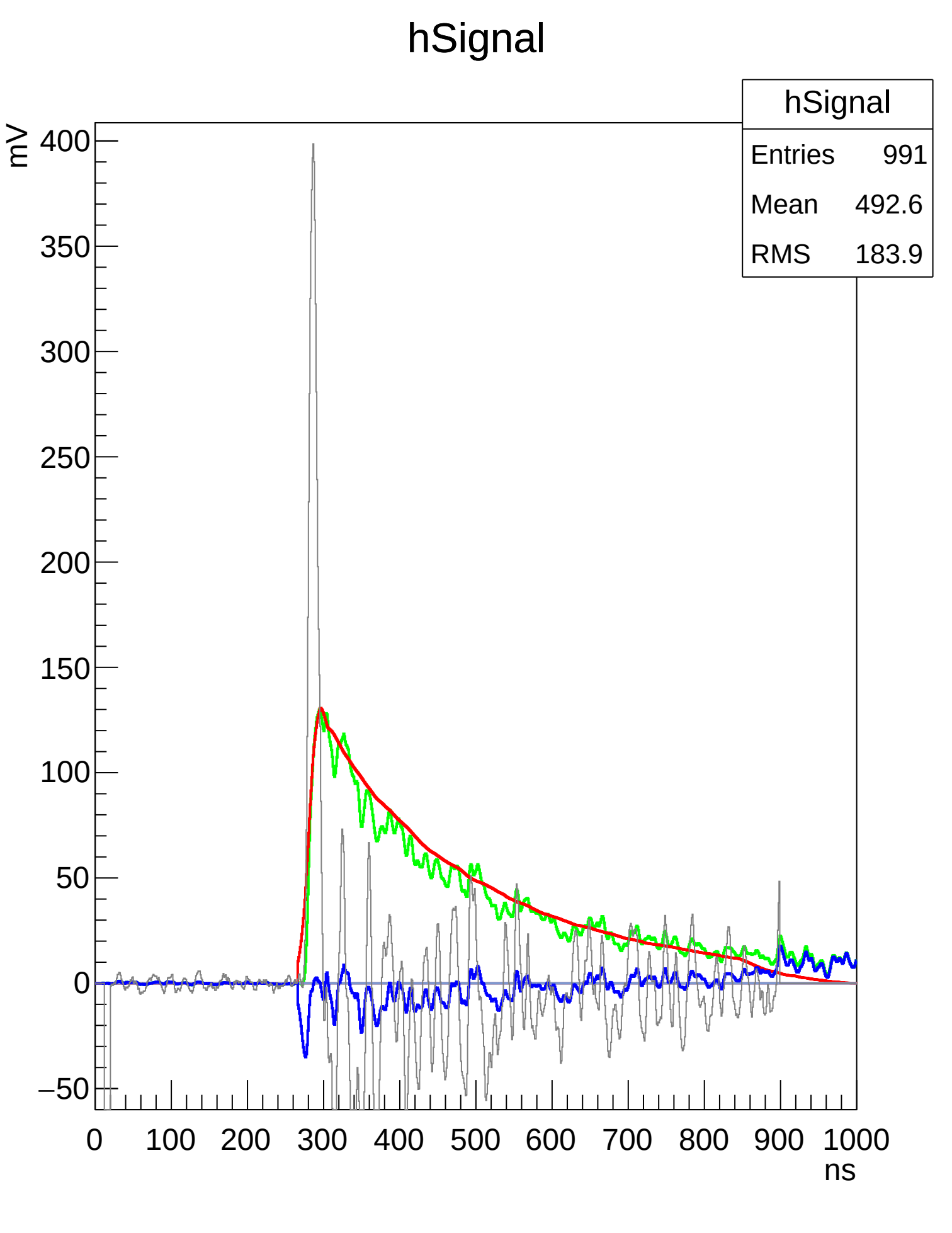

hSignal
hSignal
Entries 991
Mean 580
RMS 160.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

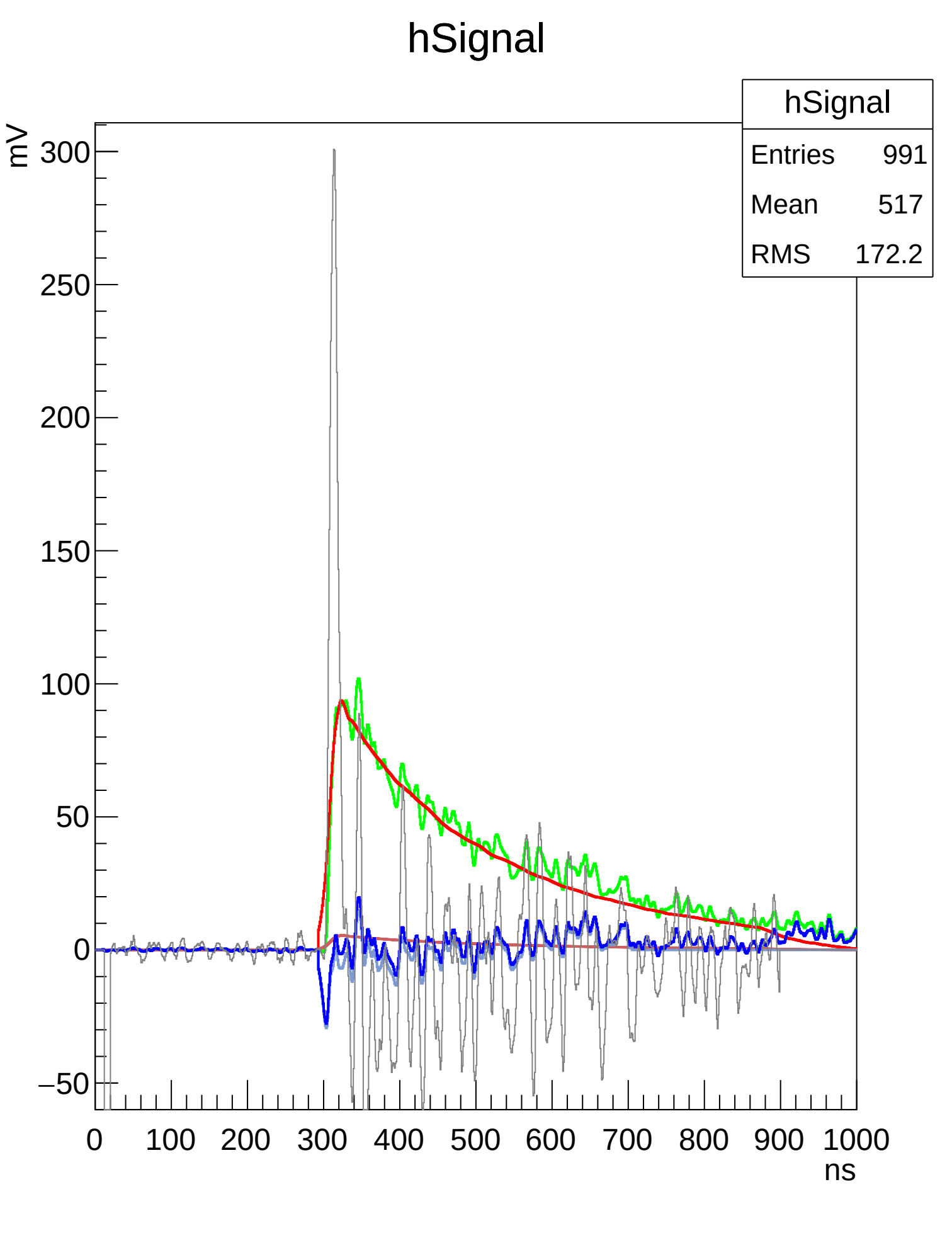

hSignal
hSignal
Entries 991
Mean 520.6
RMS 171.4
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

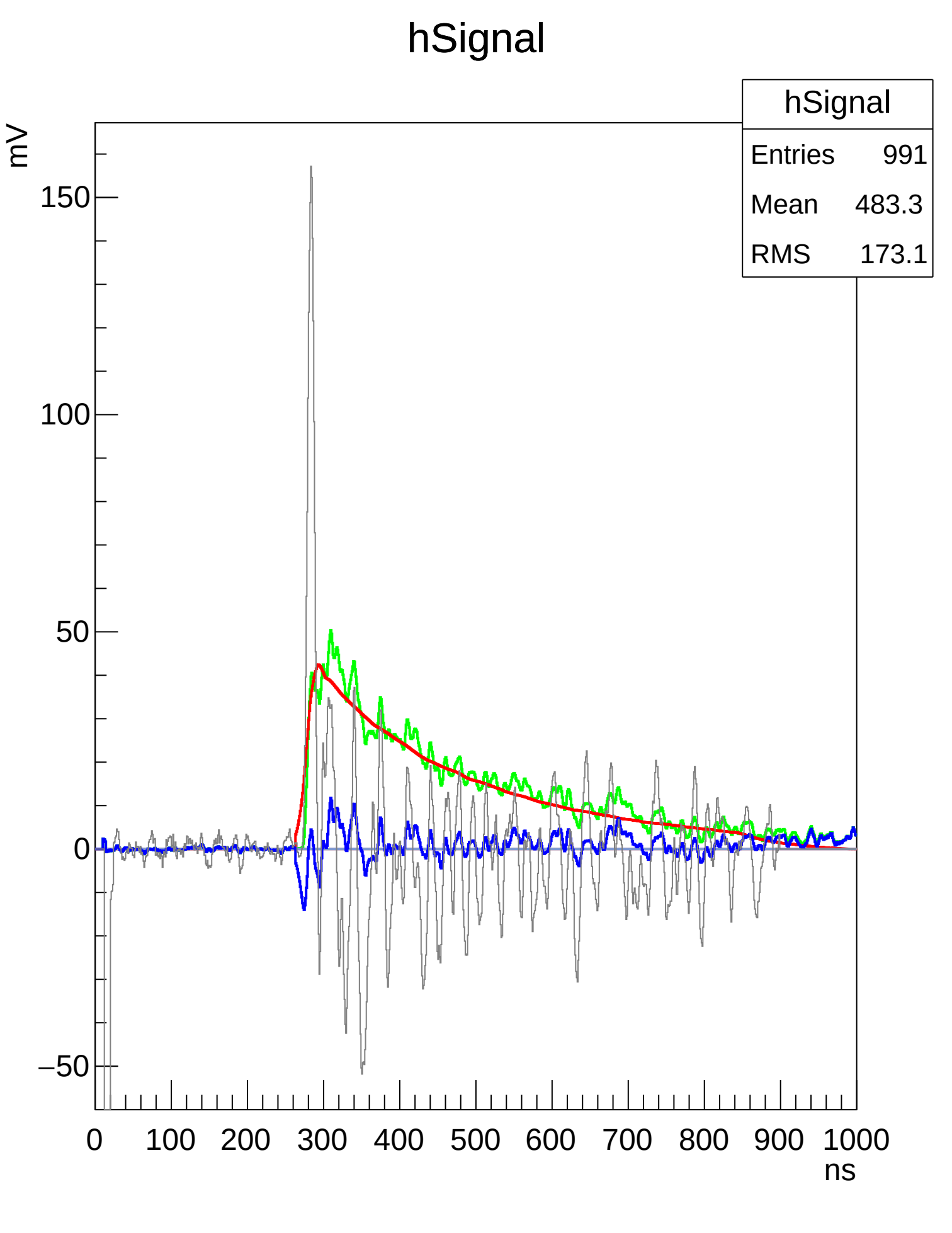

hSignal
hSignal
Entries 991
Mean 513.6
RMS 160.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

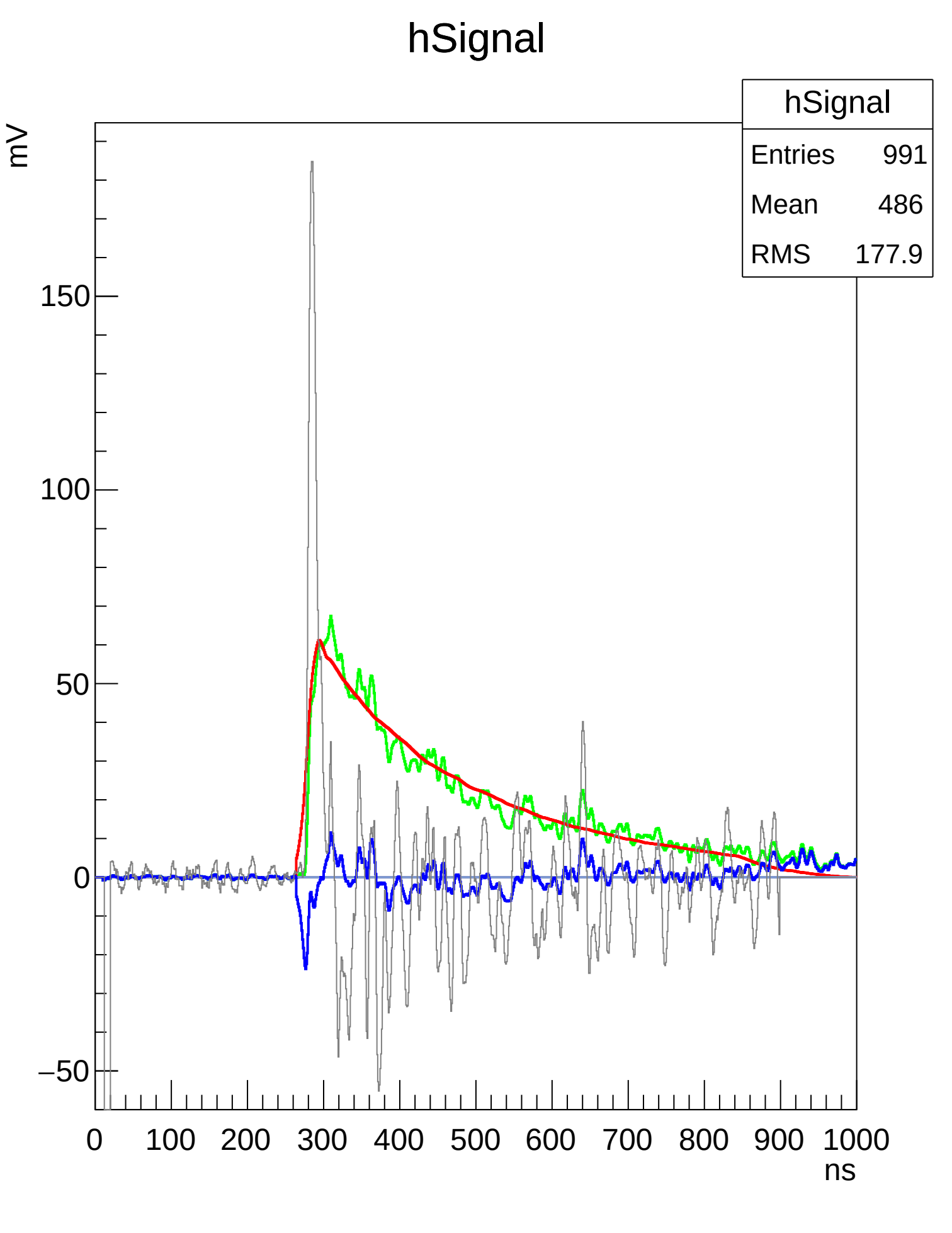

hSignal
hSignal
Entries 991
Mean 537.2
RMS 31.5
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

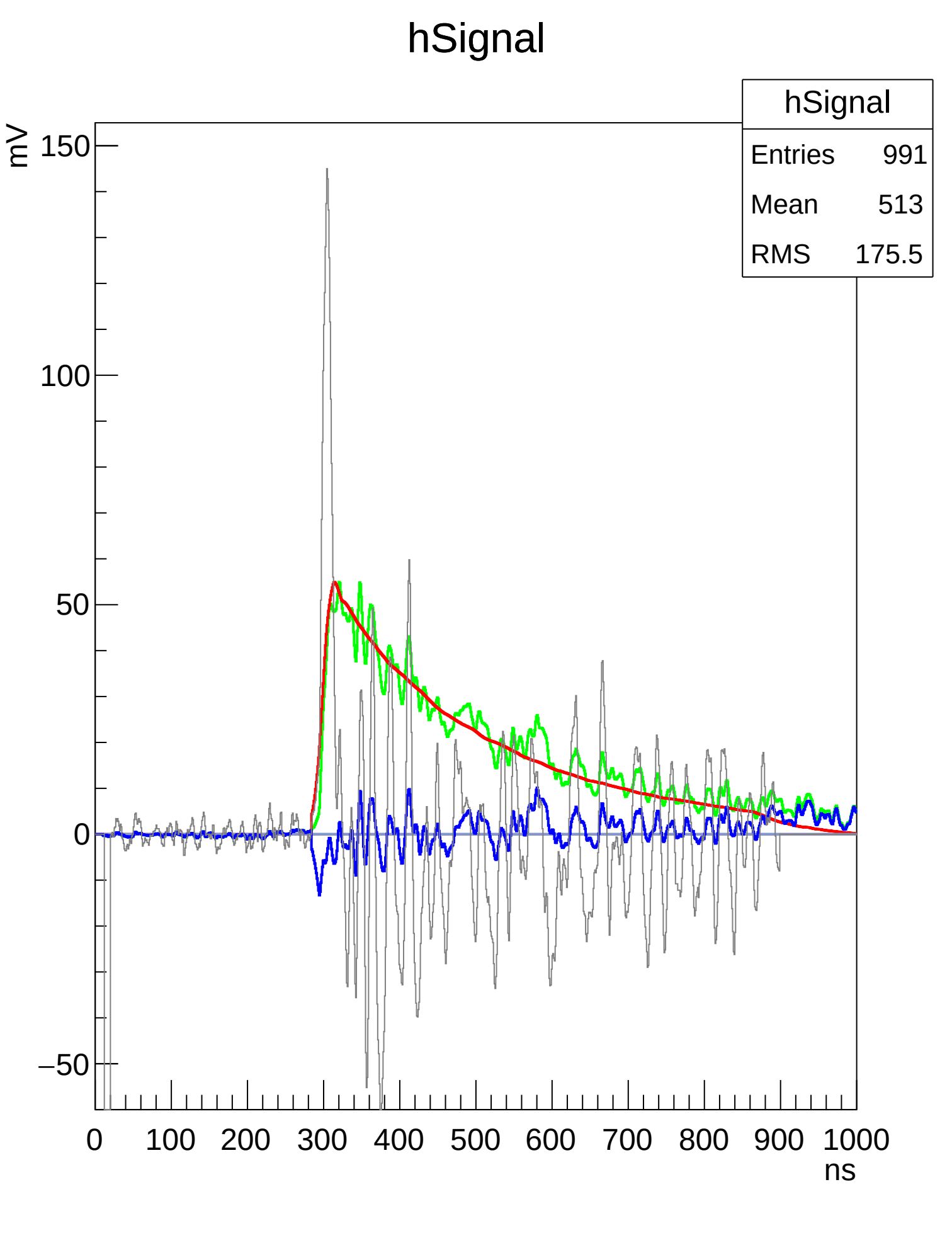

hSignal
hSignal
Entries 991
Mean 516.4
RMS 175.5
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

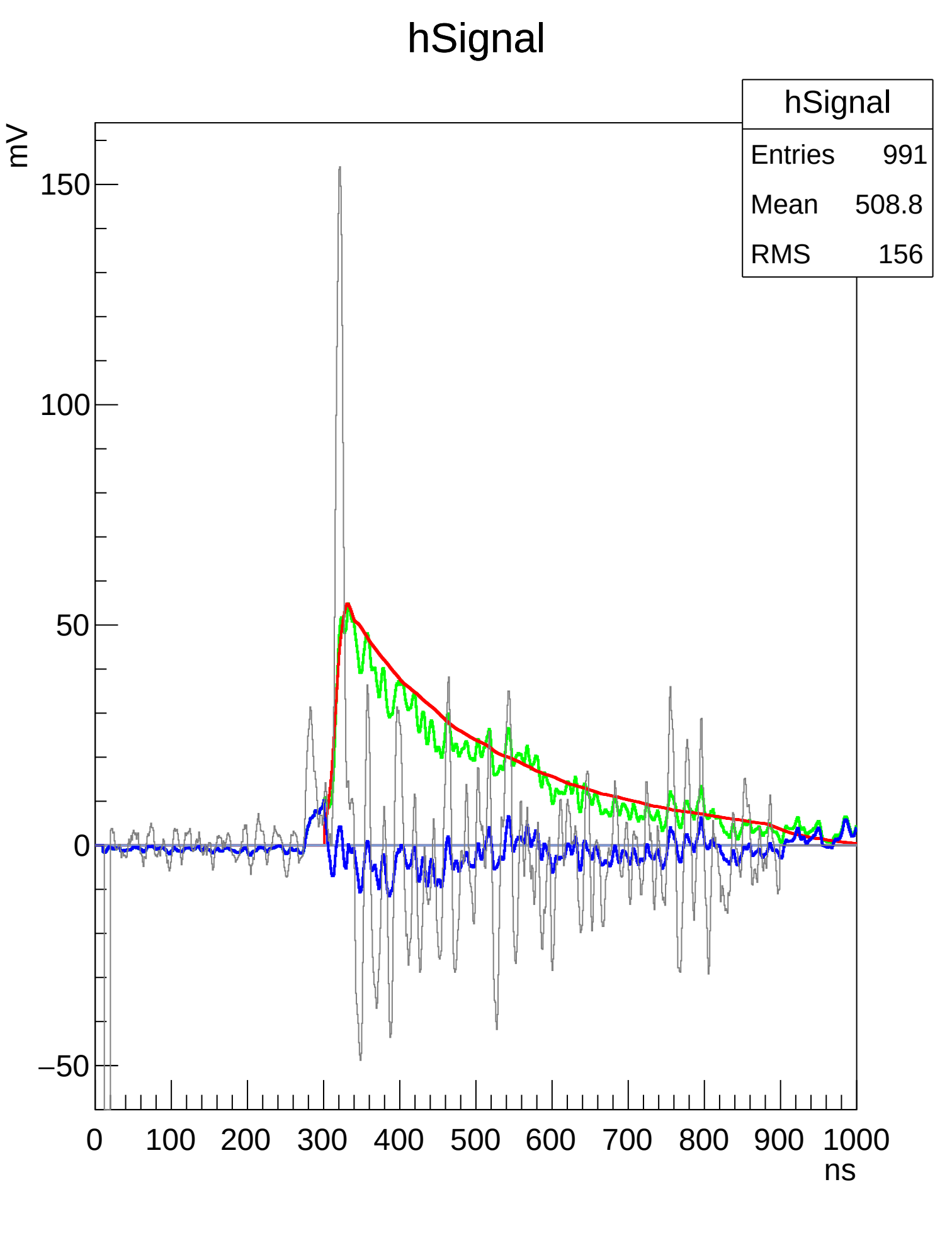

hSignal
hSignal
Entries 991
Mean 492.6
RMS 183.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

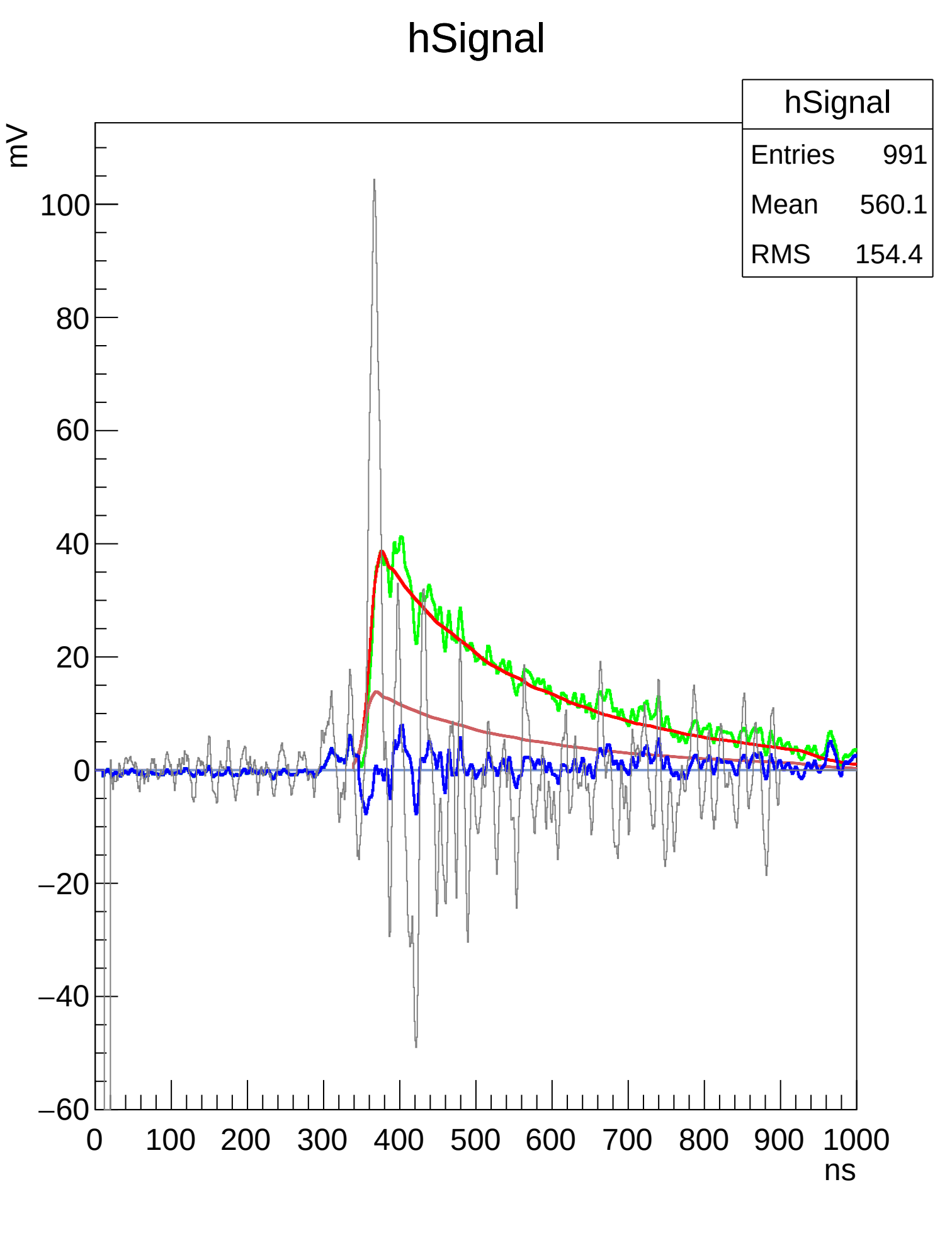

hSignal
hSignal
Entries 991
Mean 517
RMS 172.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

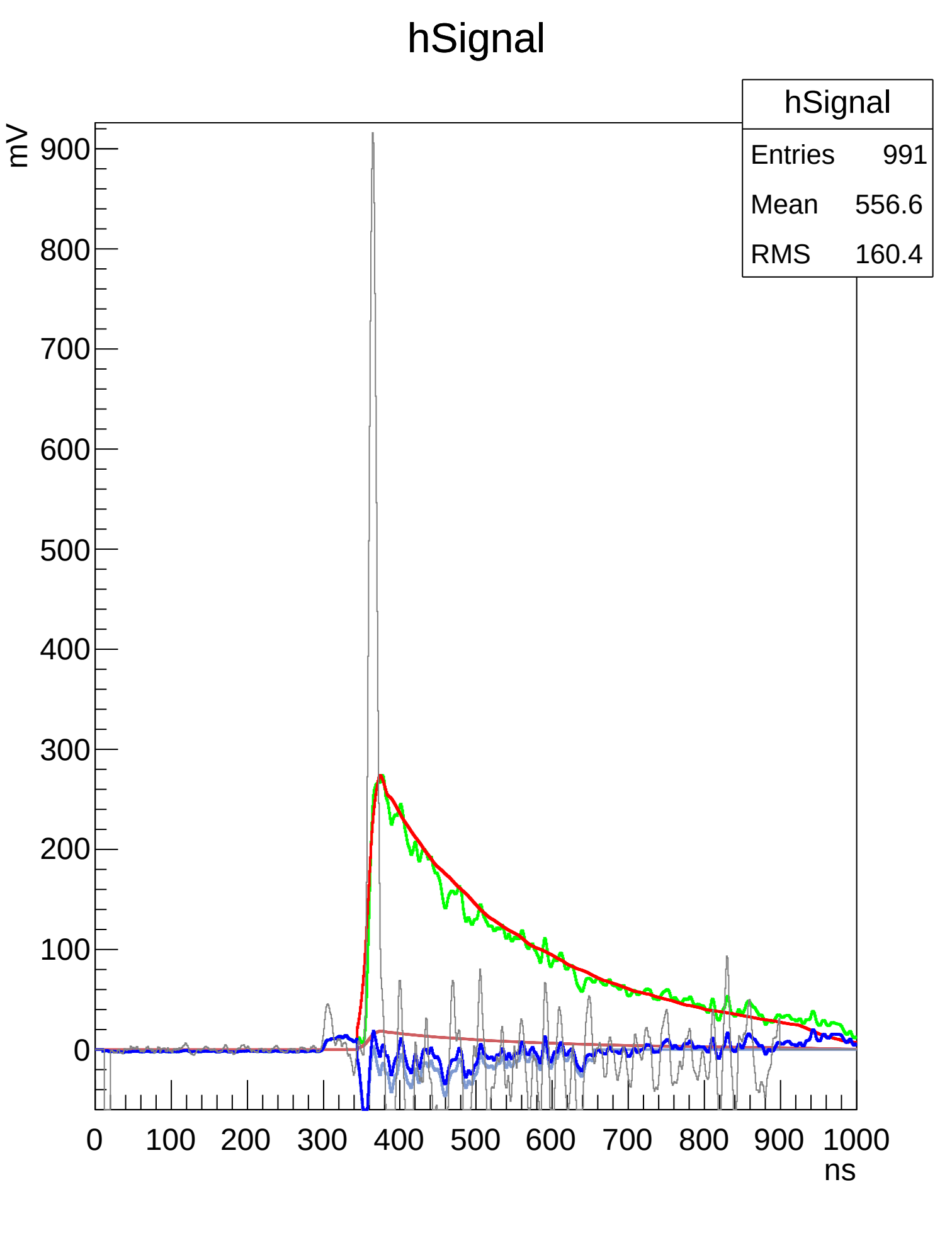

hSignal
hSignal
Entries 991
Mean 483.3
RMS 173.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

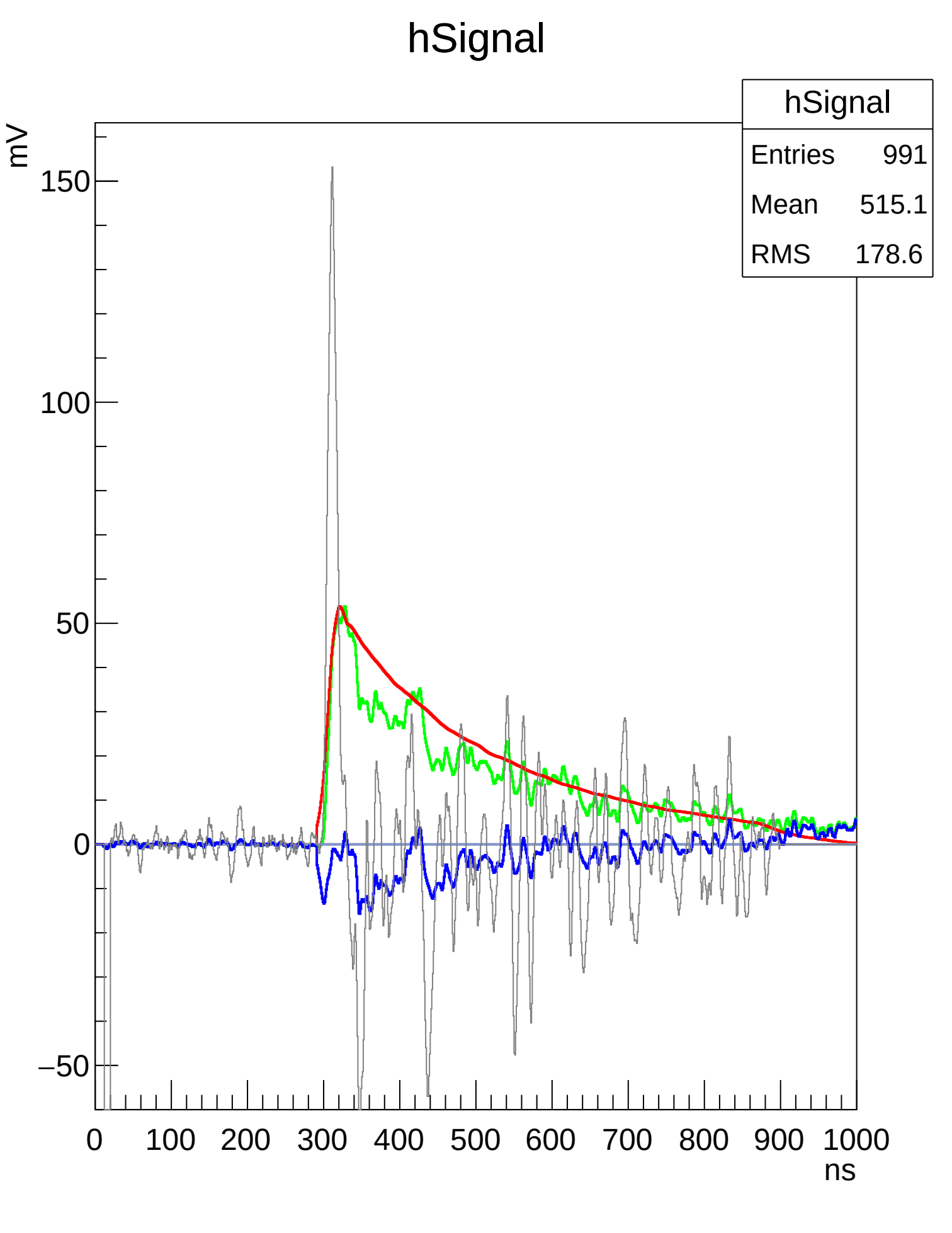

hSignal
hSignal
Entries 991
Mean 486
RMS 177.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

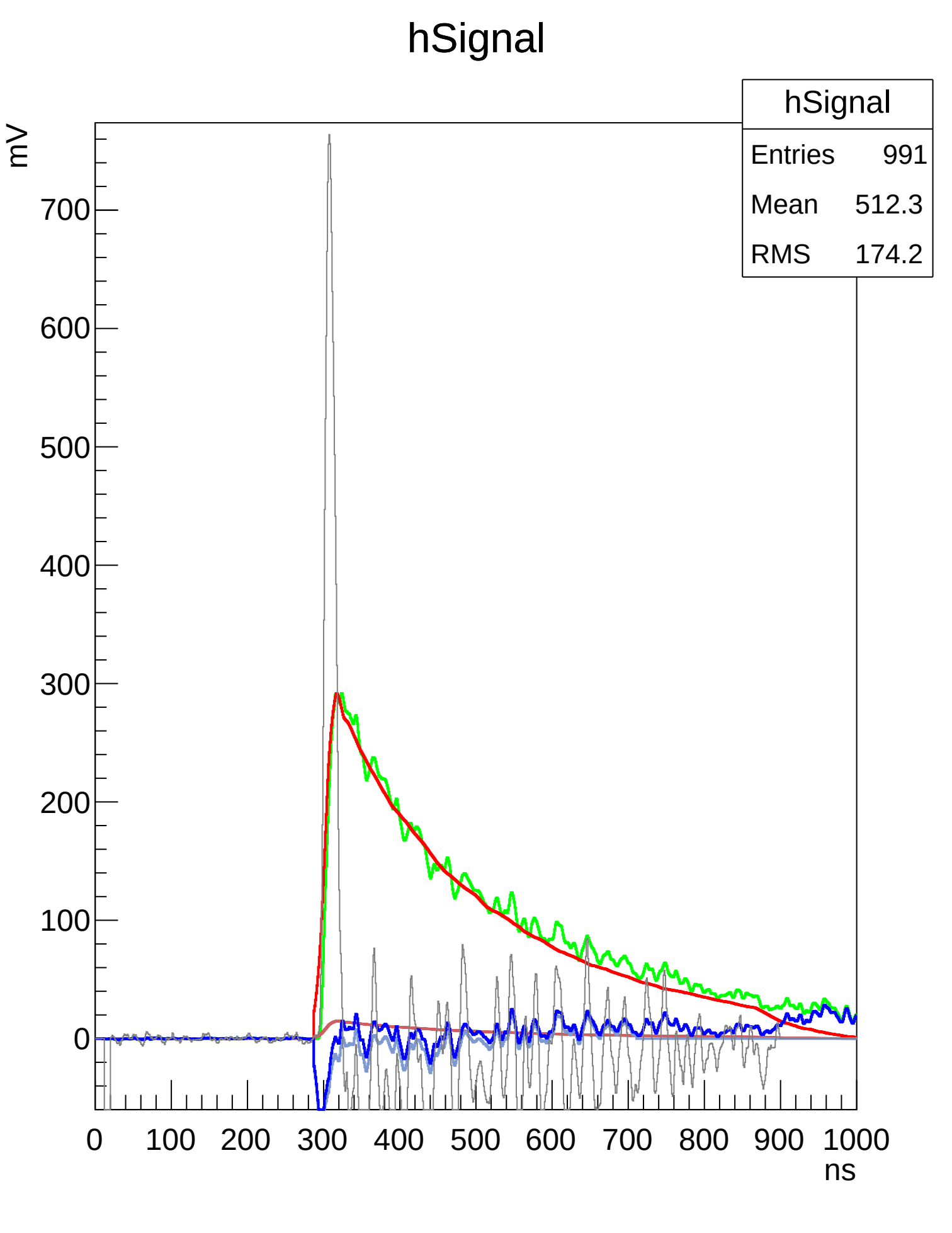

hSignal
hSignal
Entries 991
Mean 513
RMS 175.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

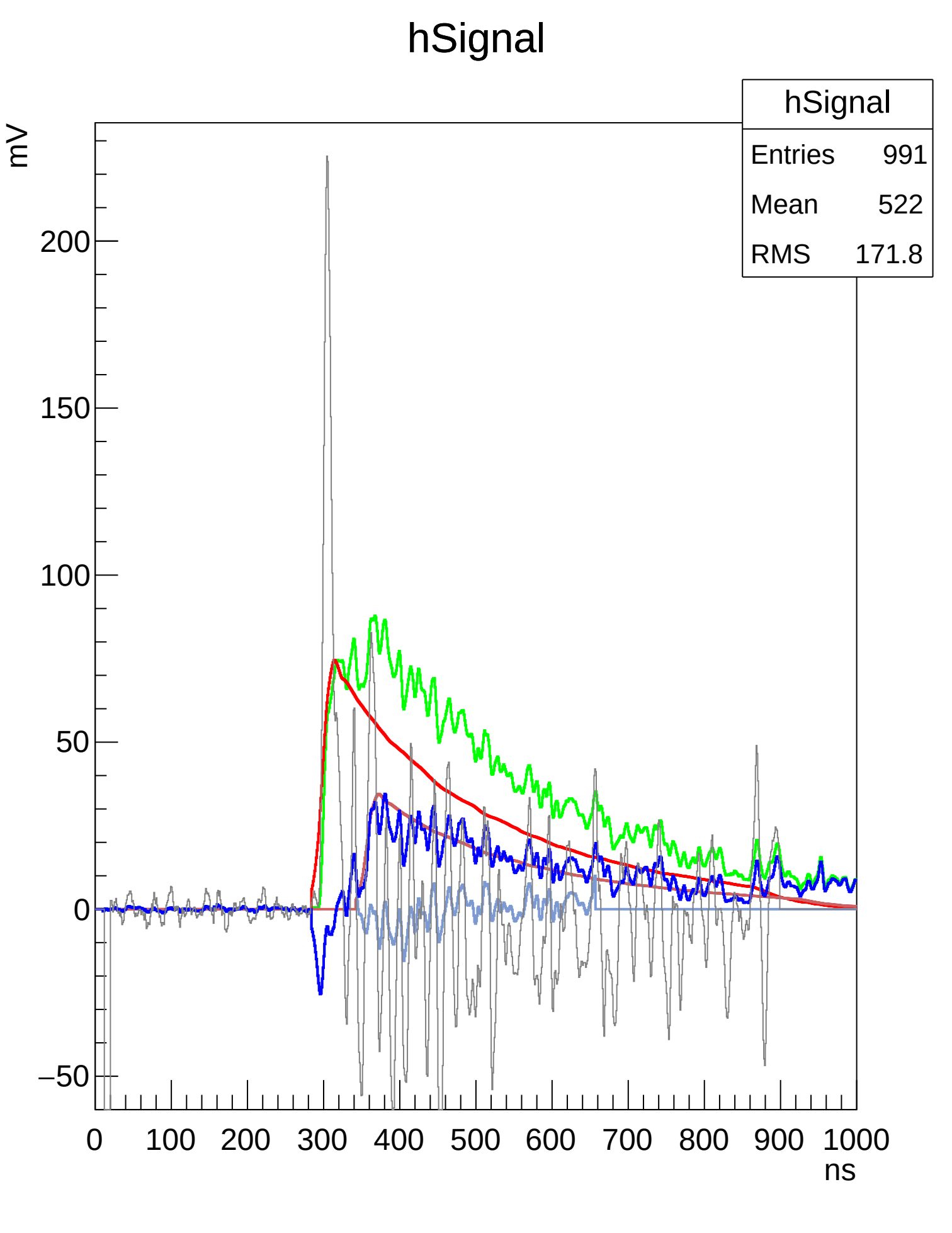

hSignal
hSignal
Entries 991
Mean 508.8
RMS 156
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

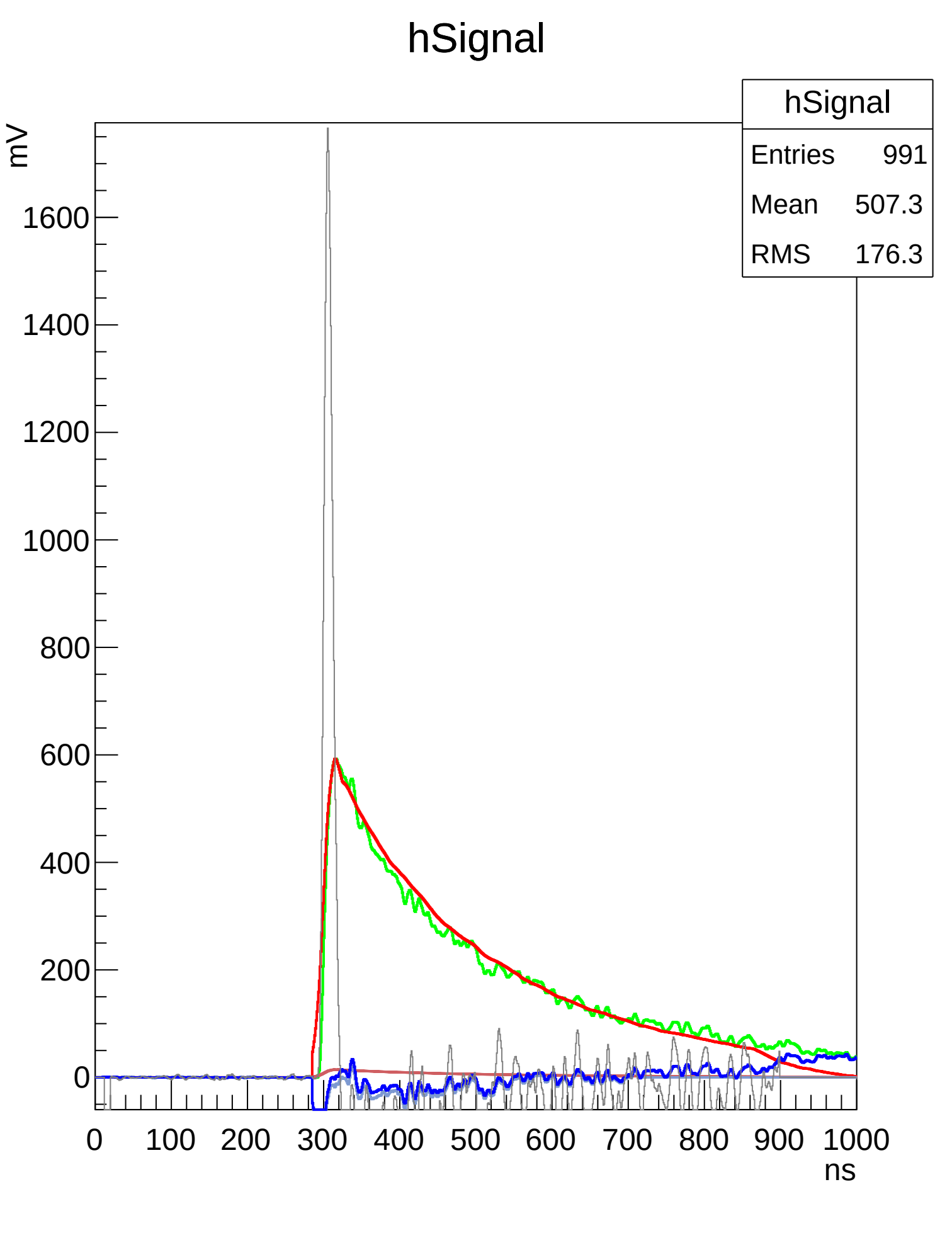

hSignal
hSignal
Entries 991
Mean 560.1
RMS 154.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

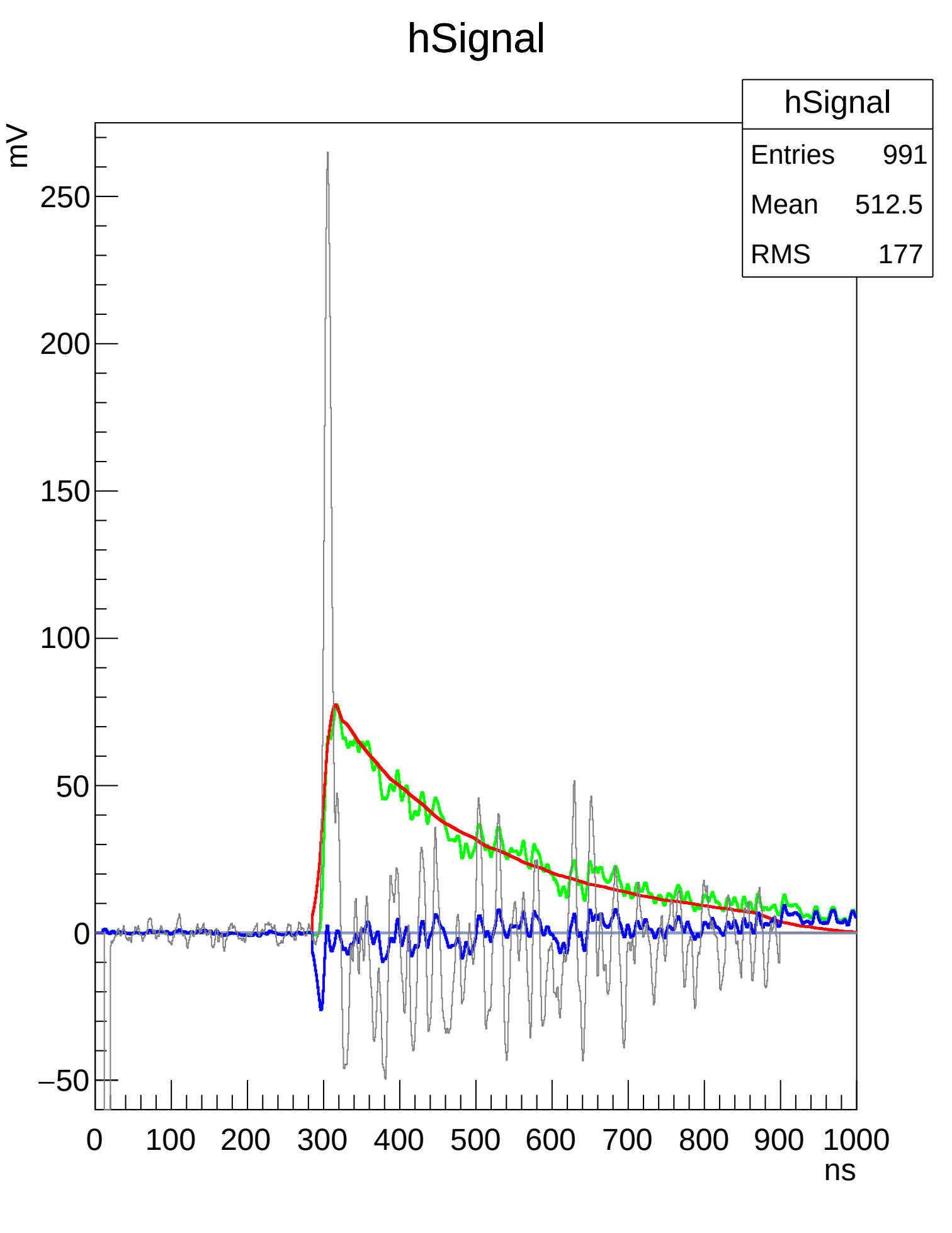

hSignal
hSignal
Entries 991
Mean 556.6
RMS 160.4
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

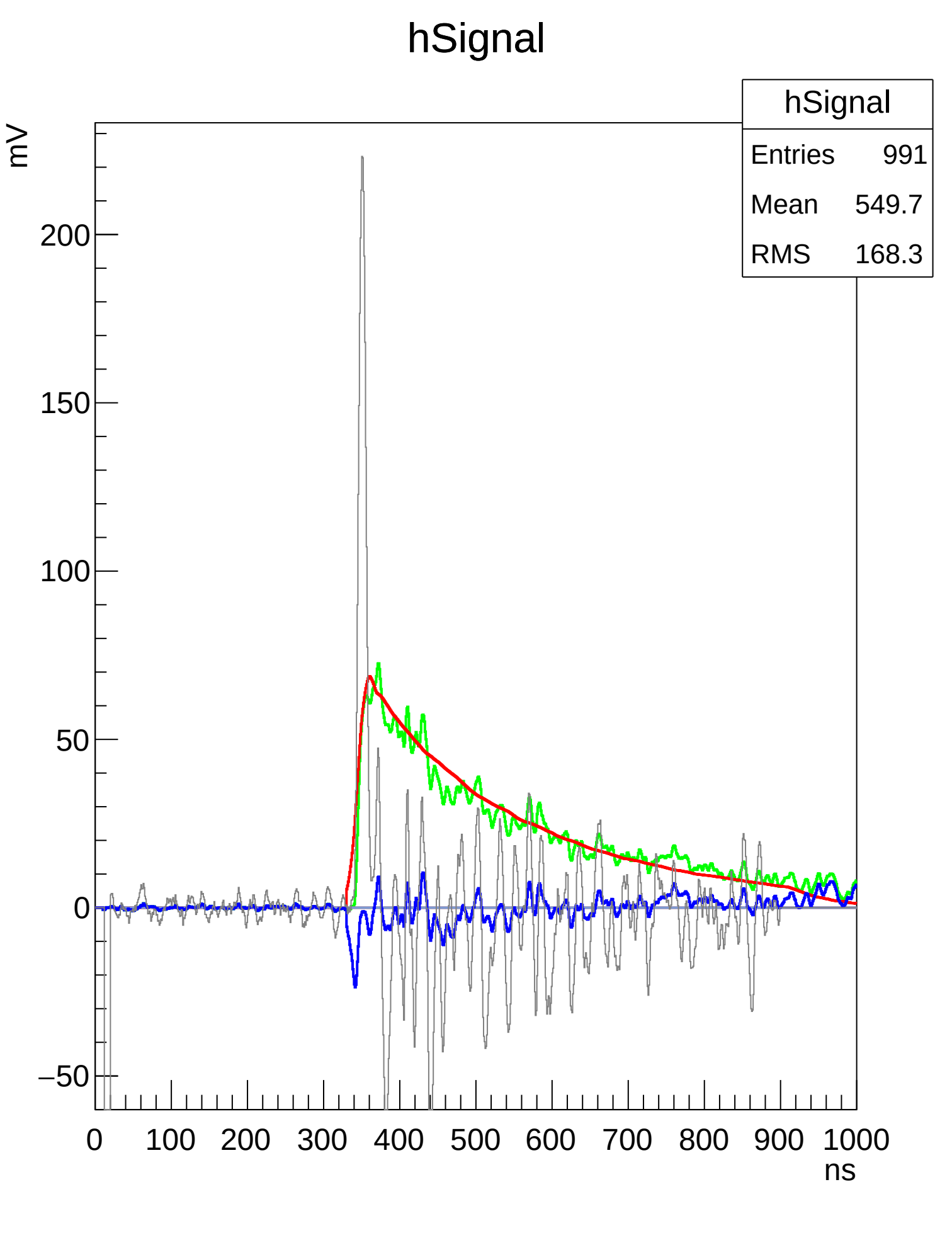

hSignal
hSignal
Entries 991
Mean 515.1
RMS 178.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

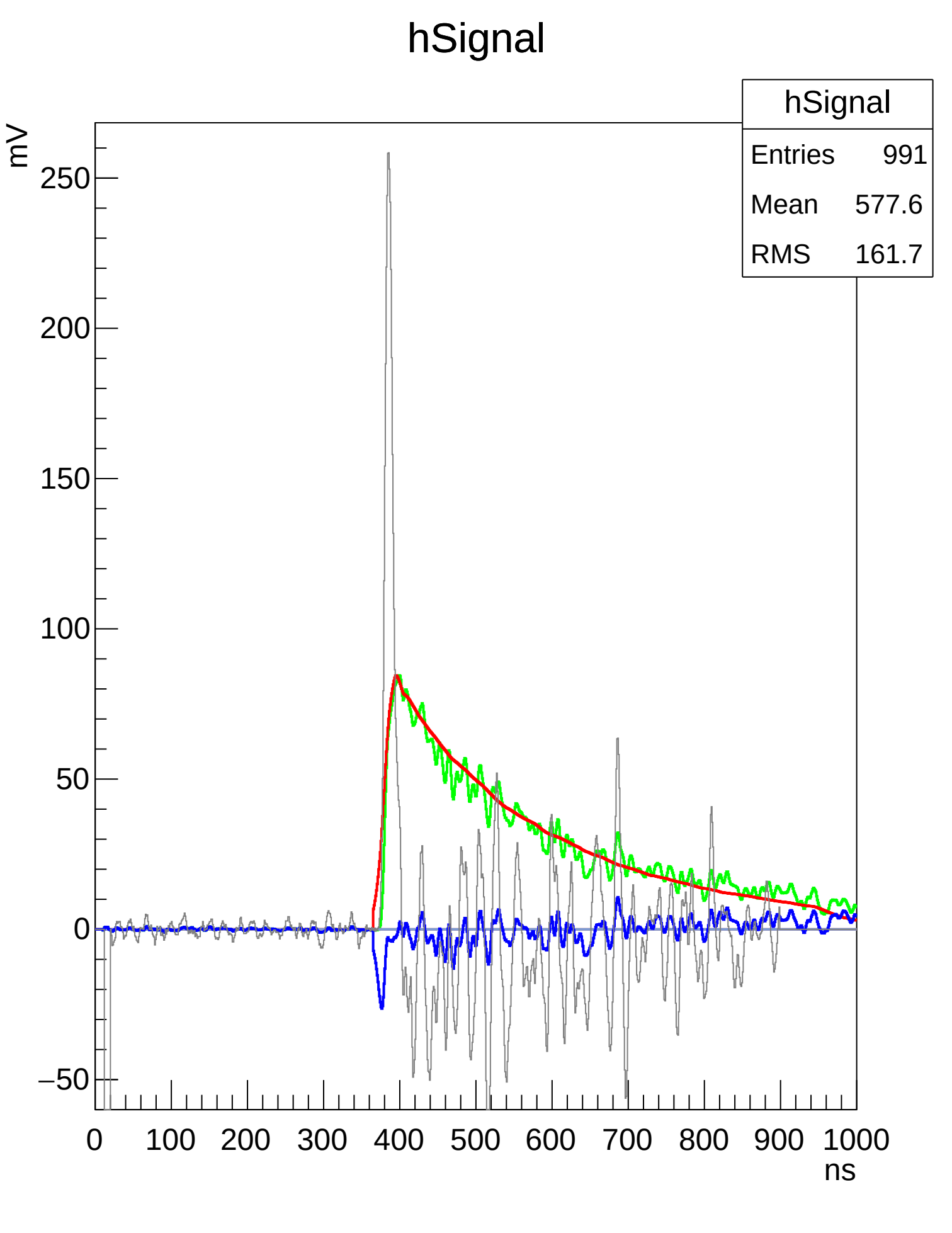

hSignal
hSignal
Entries 991
Mean 512.3
RMS 174.2
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

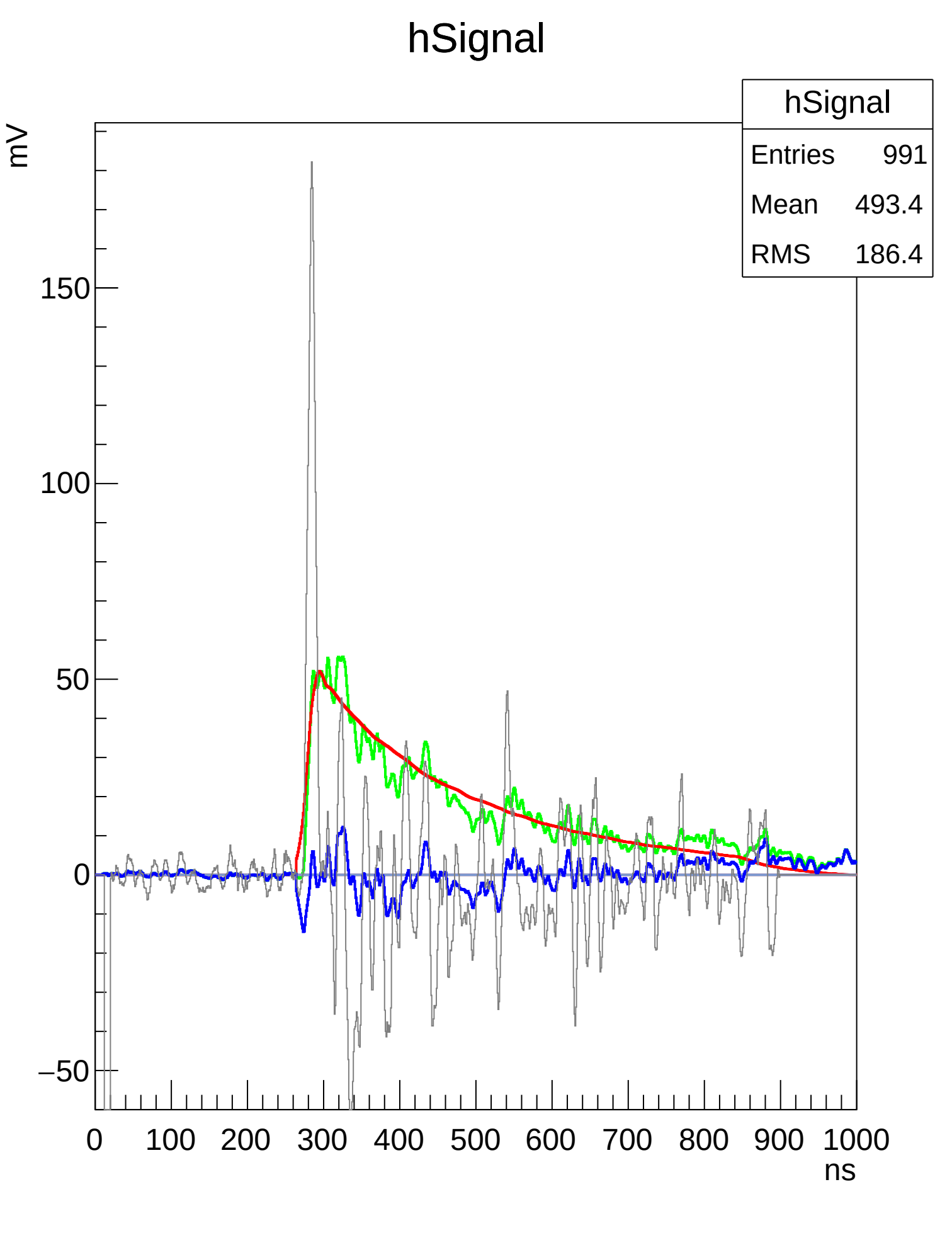

hSignal
hSignal
Entries 991
Mean 522
RMS 171.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

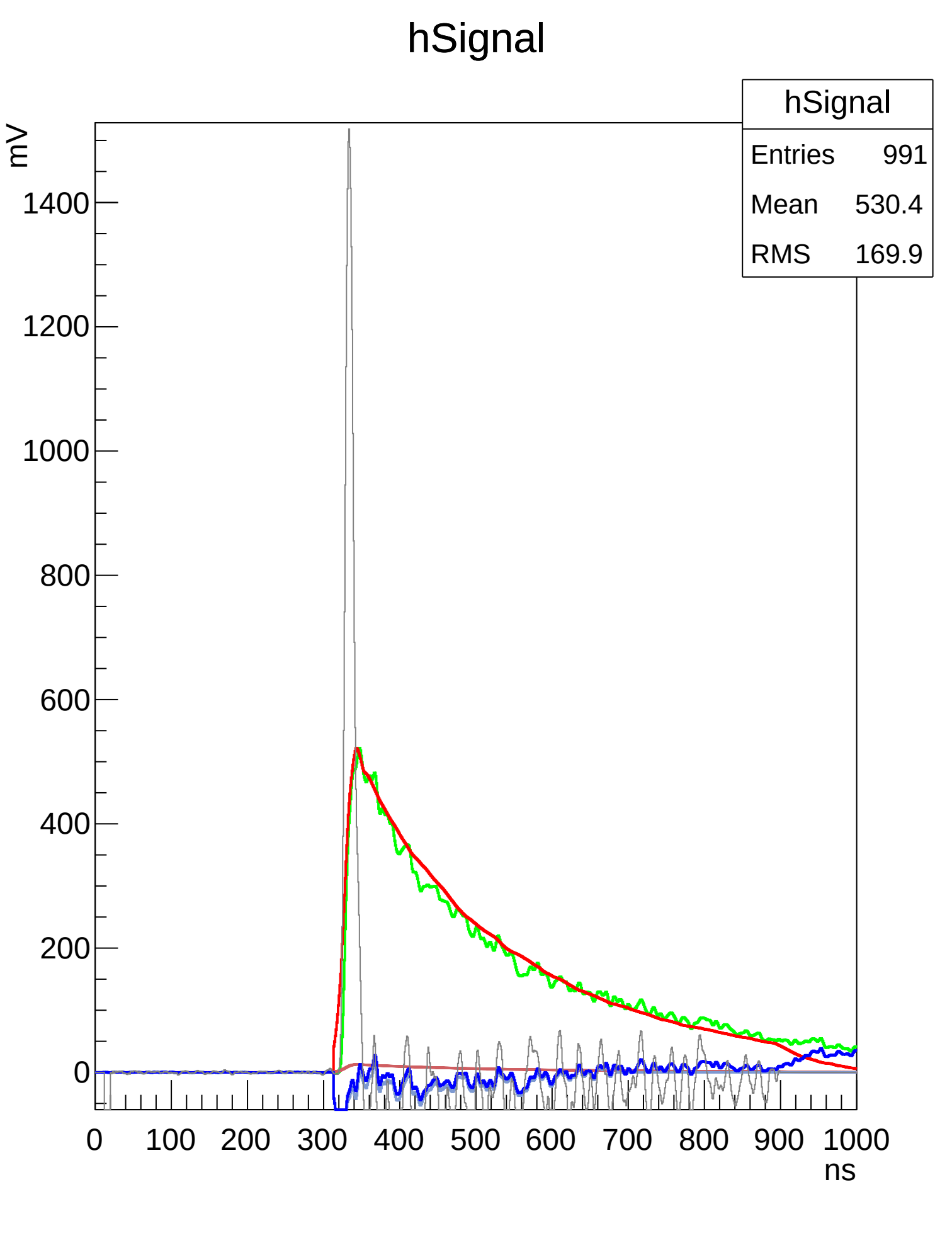

hSignal
hSignal
Entries 991
Mean 507.3
RMS 176.3
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

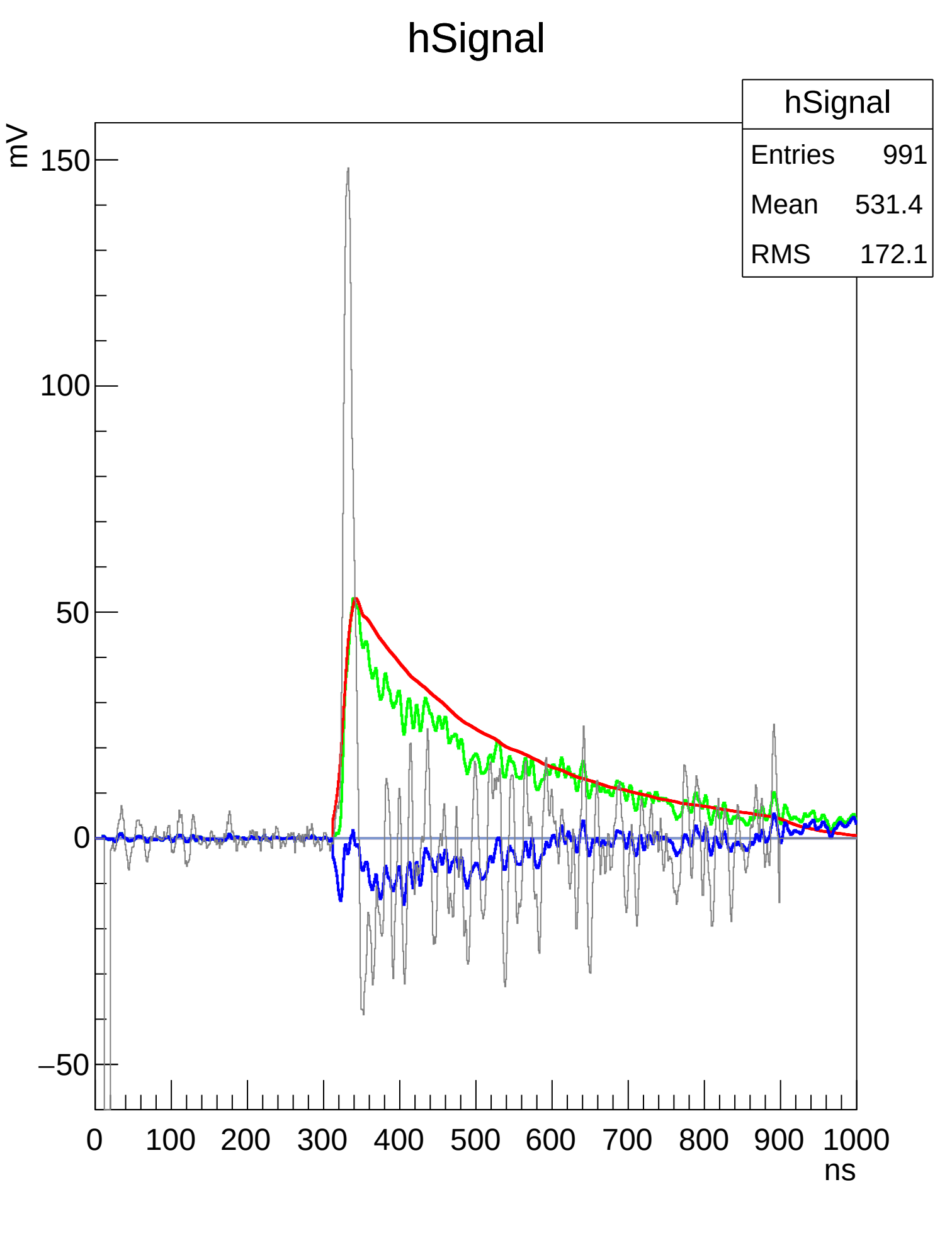

hSignal
hSignal
Entries 991
Mean 512.5
RMS 177
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

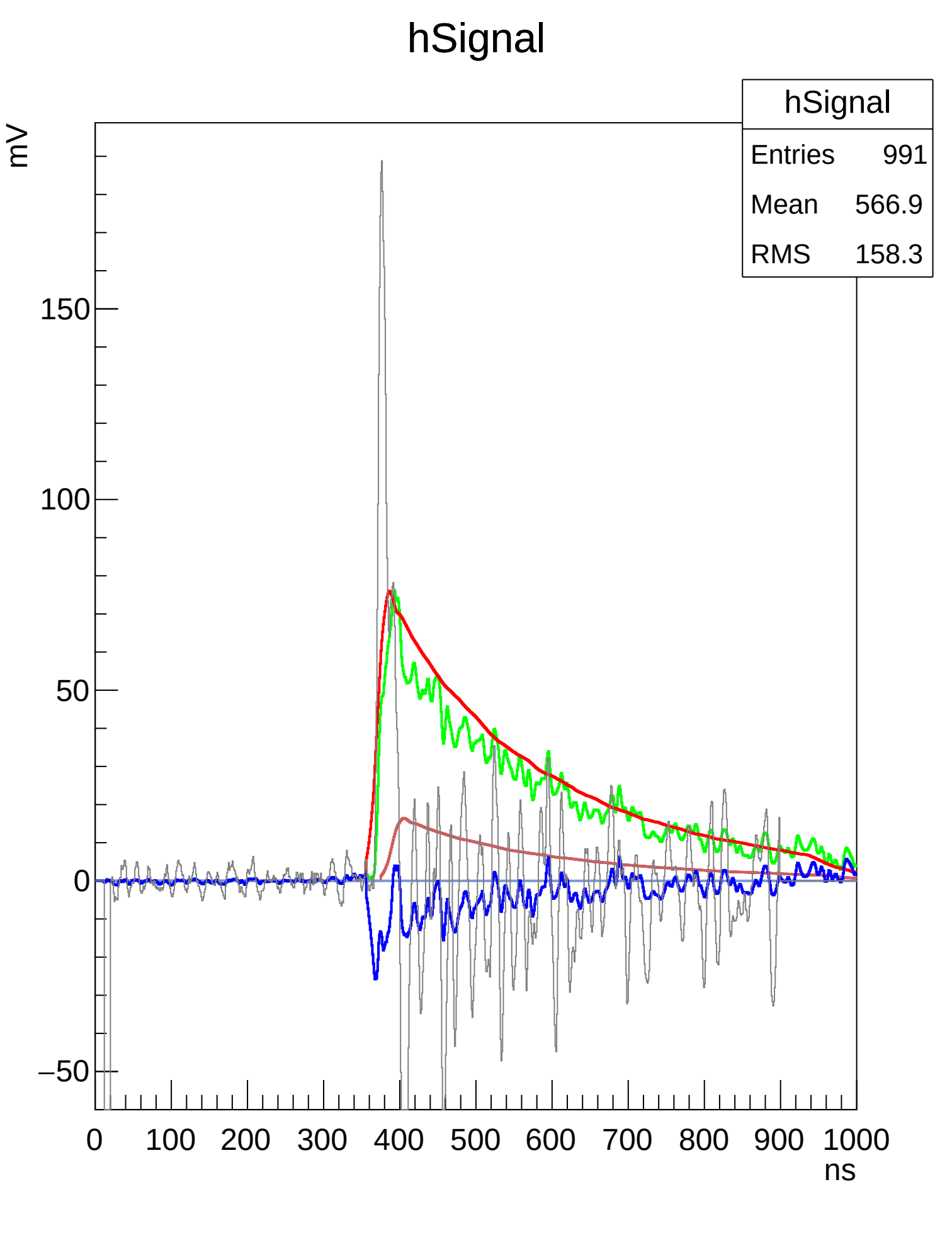

hSignal
hSignal
Entries 991
Mean 549.7
RMS 168.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

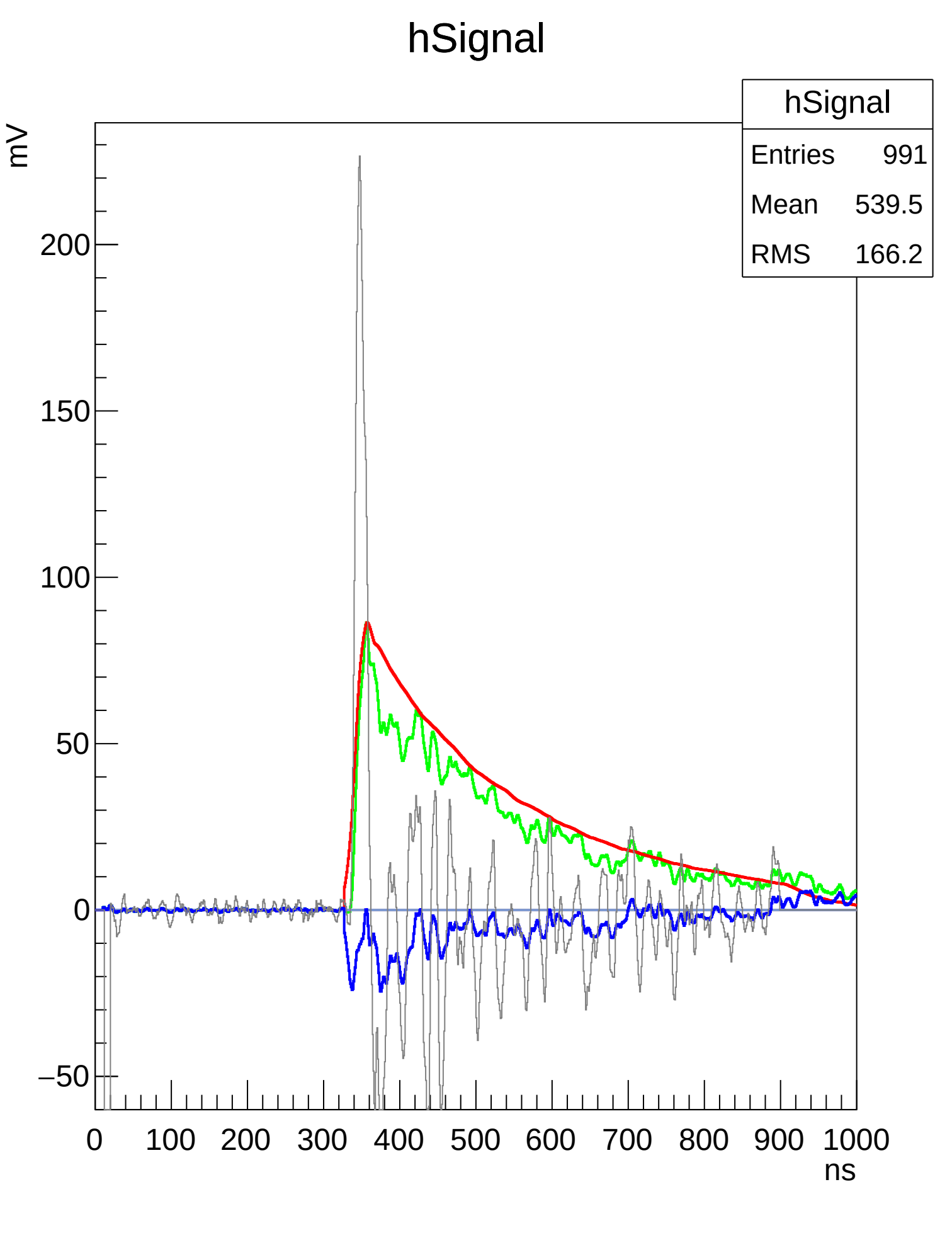

hSignal
hSignal
Entries 991
Mean 577.6
RMS 161.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

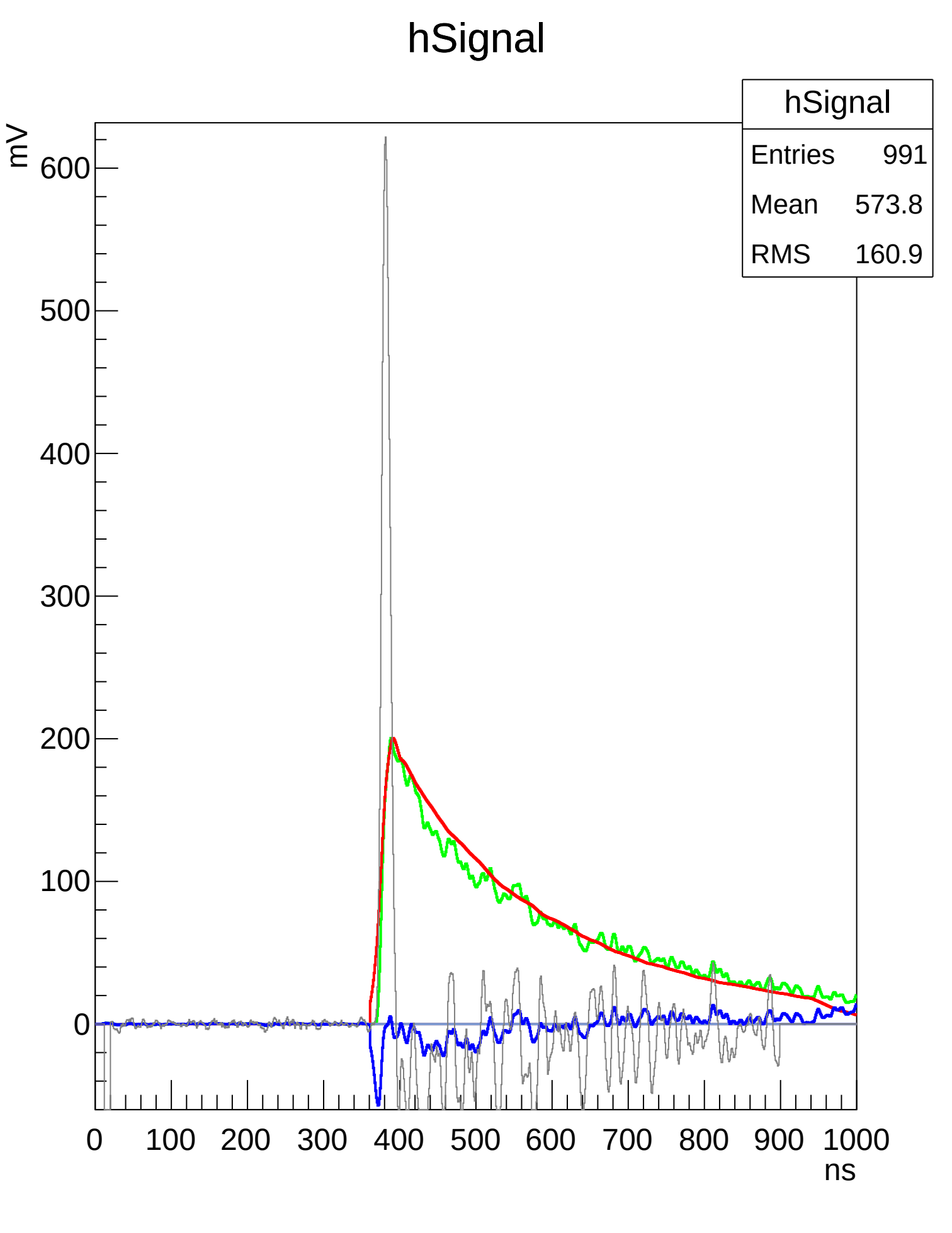

hSignal
hSignal
Entries 991
Mean 493.4
RMS 186.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

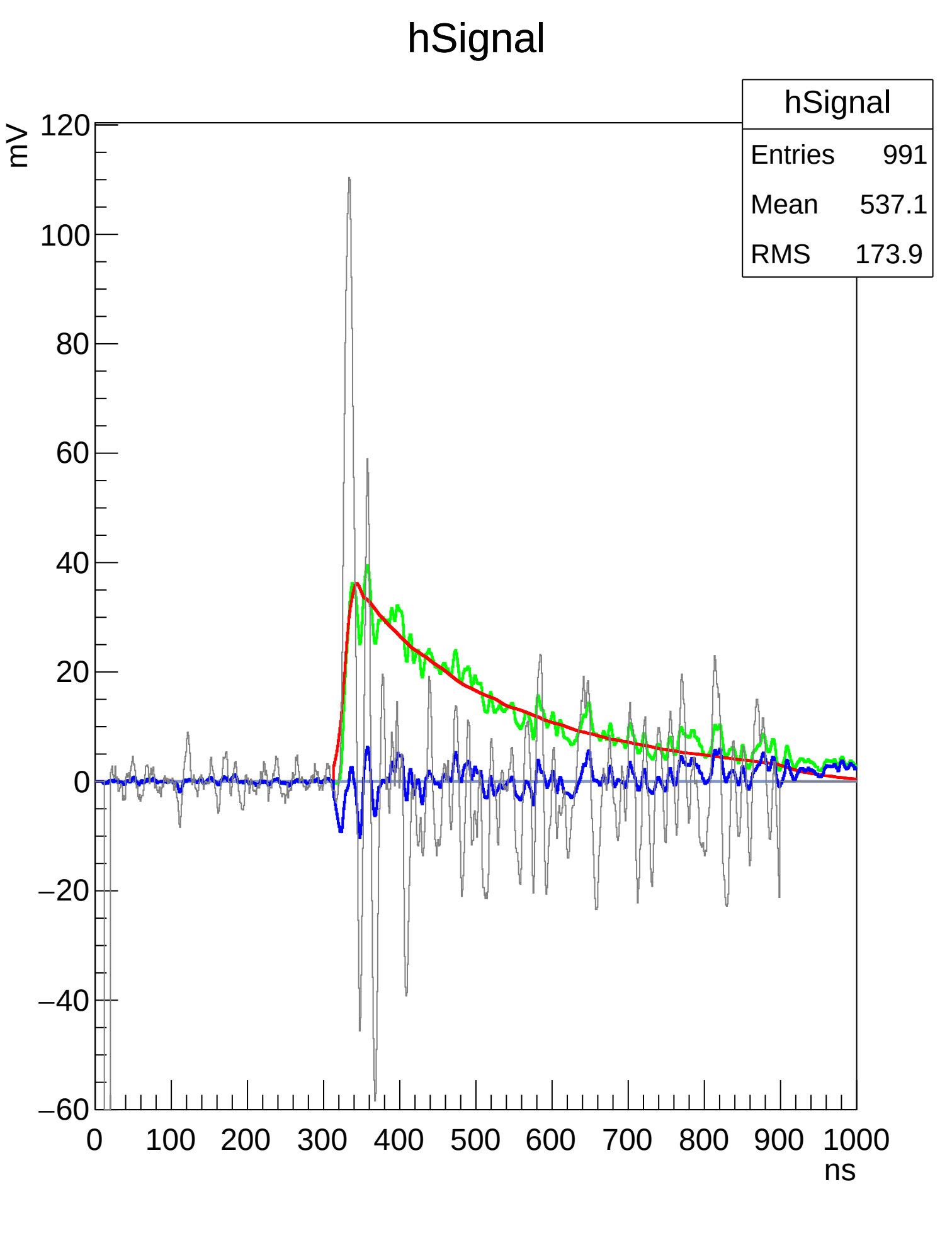

hSignal
hSignal
Entries 991
Mean 530.4
RMS 169.9
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

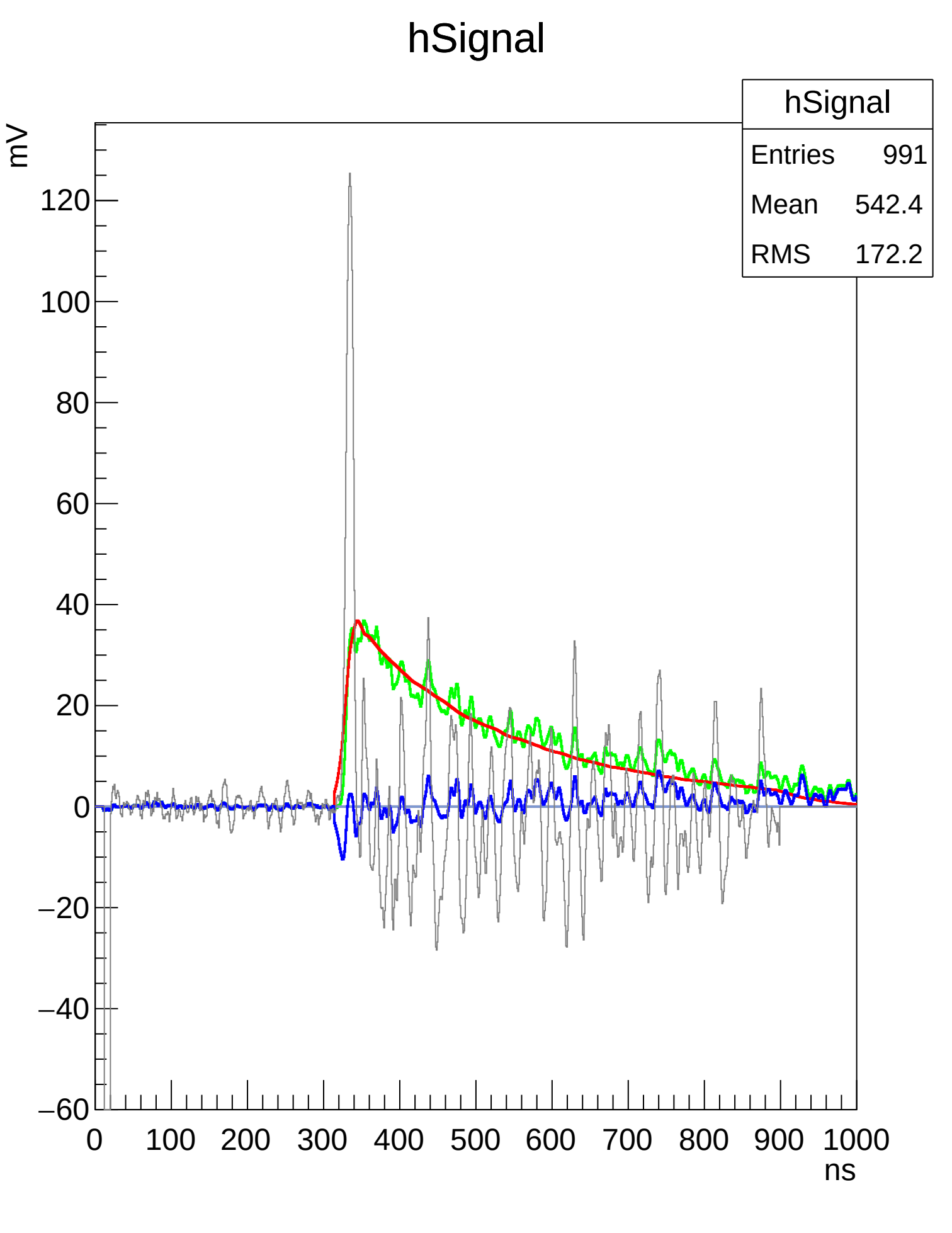

hSignal
hSignal
Entries 991
Mean 531.4
RMS 172.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

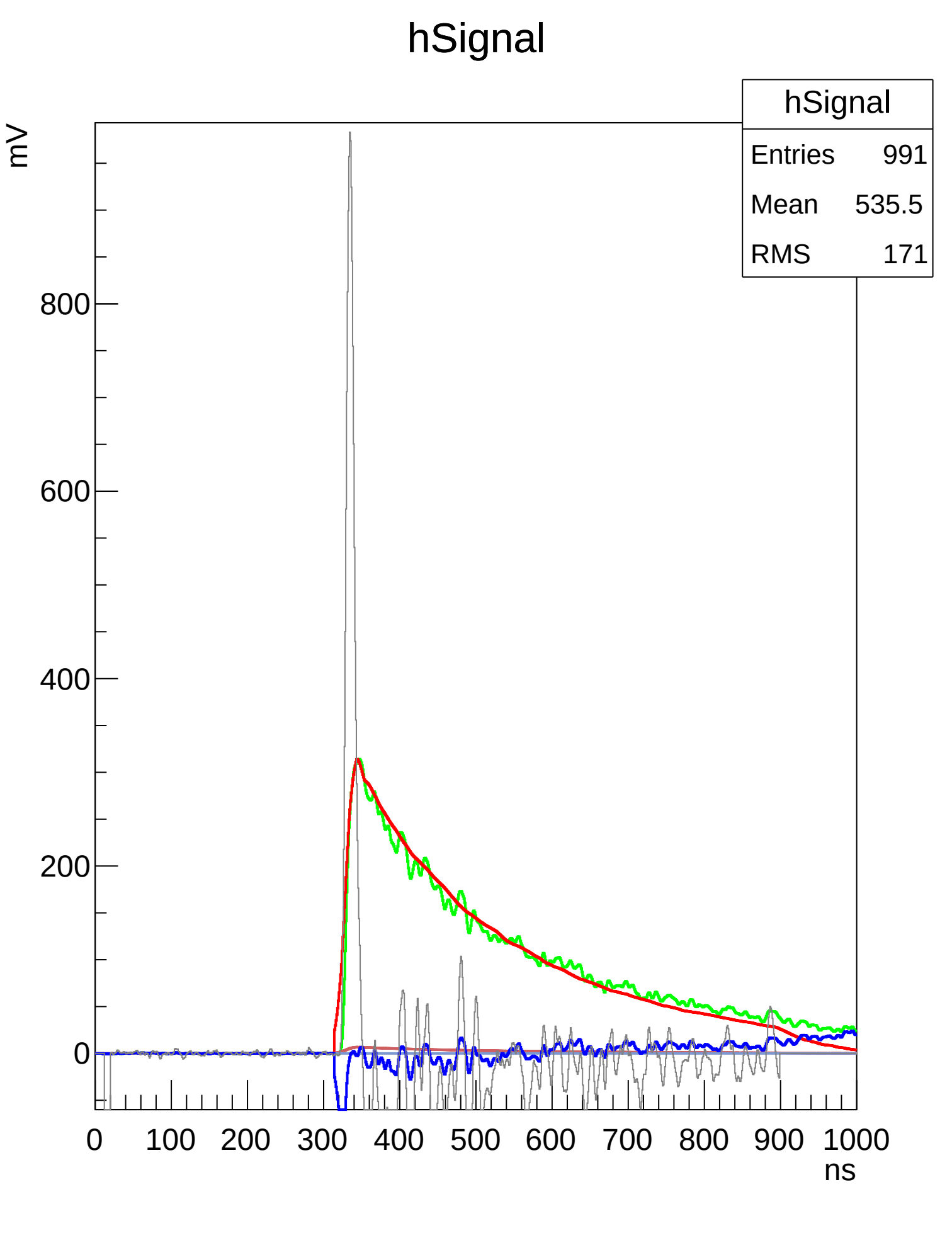

hSignal
hSignal
Entries 991
Mean 566.9
RMS 158.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

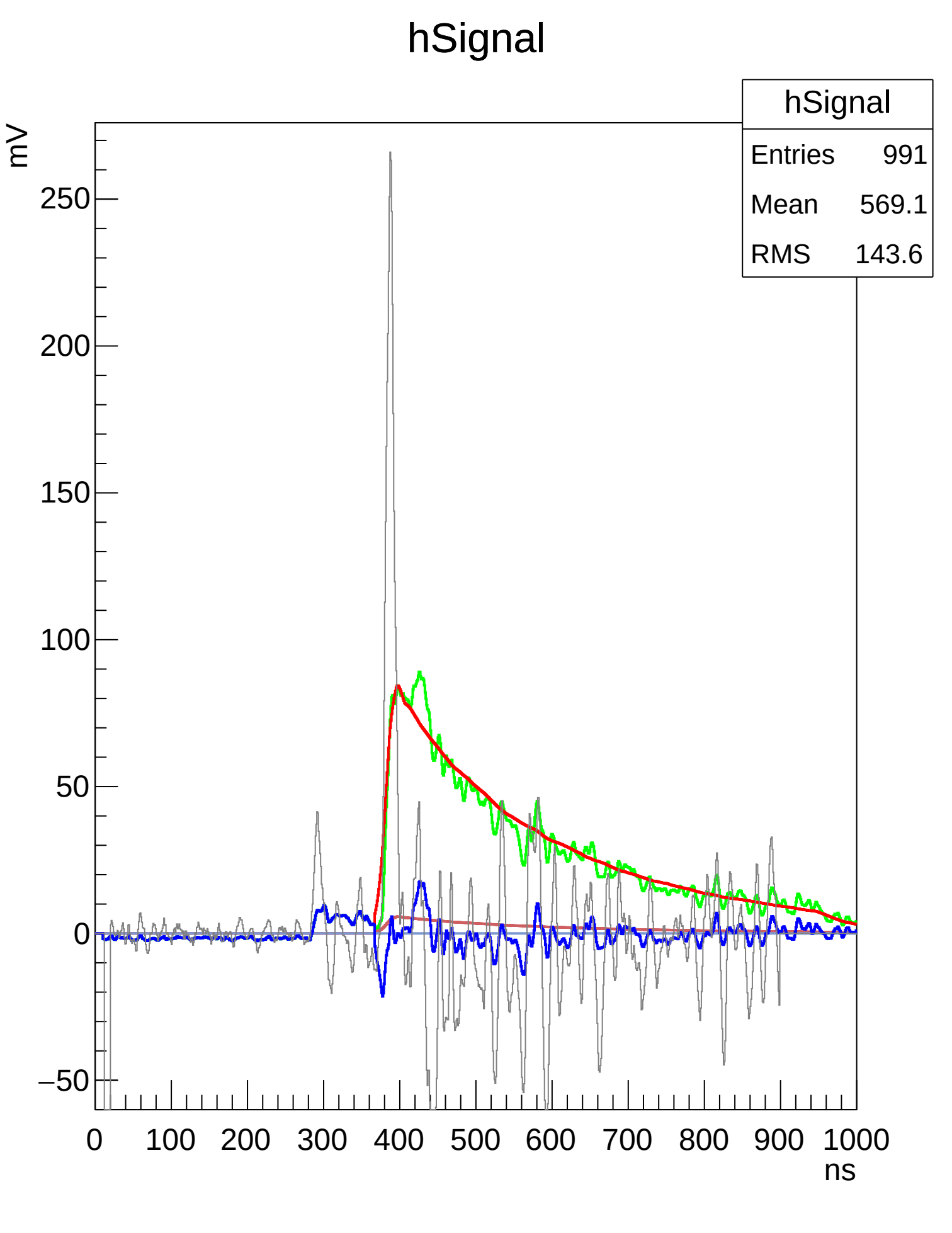

hSignal
hSignal
Entries 991
Mean 539.5
RMS 166.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

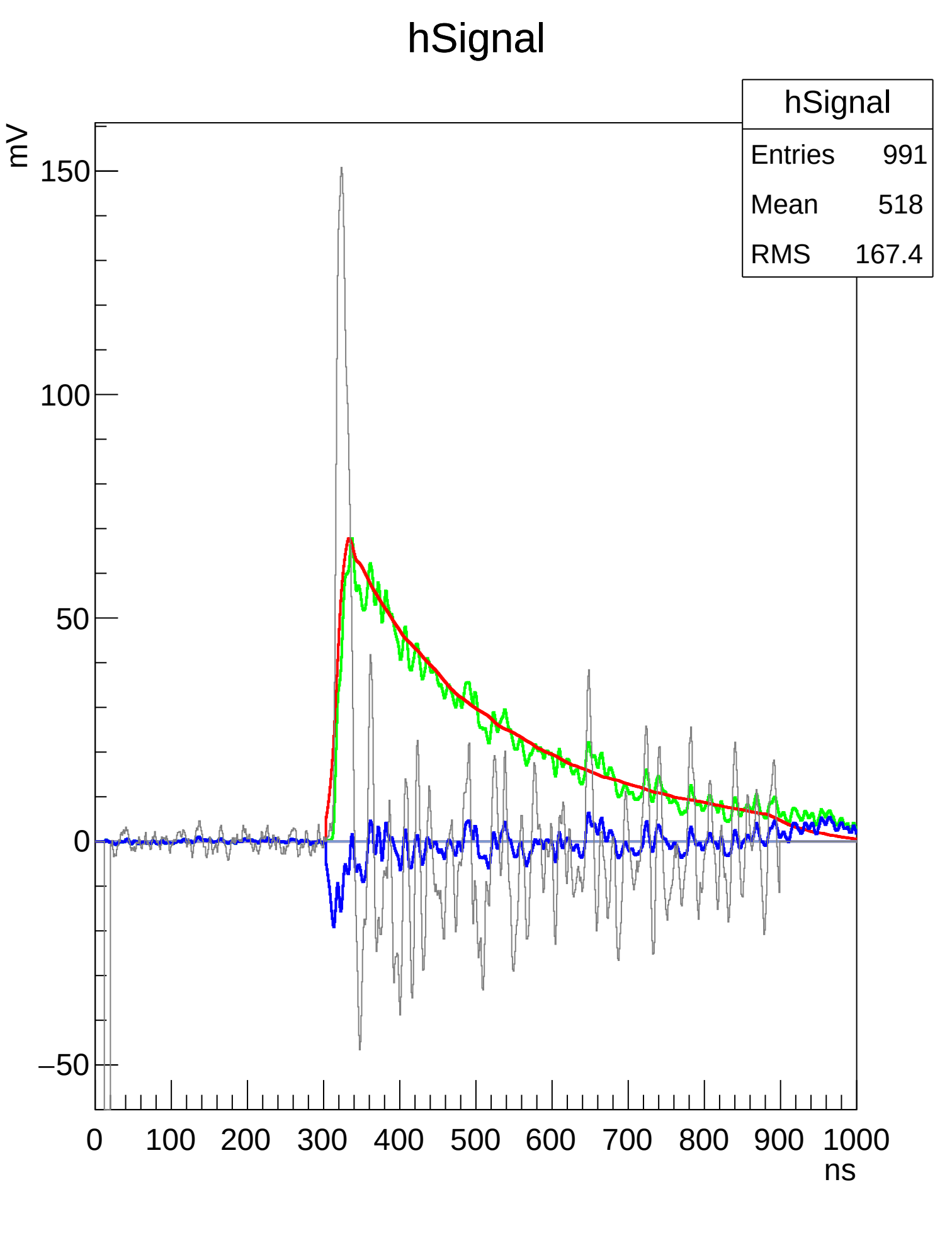

hSignal
hSignal
Entries 991
Mean 573.8
RMS 160.9
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

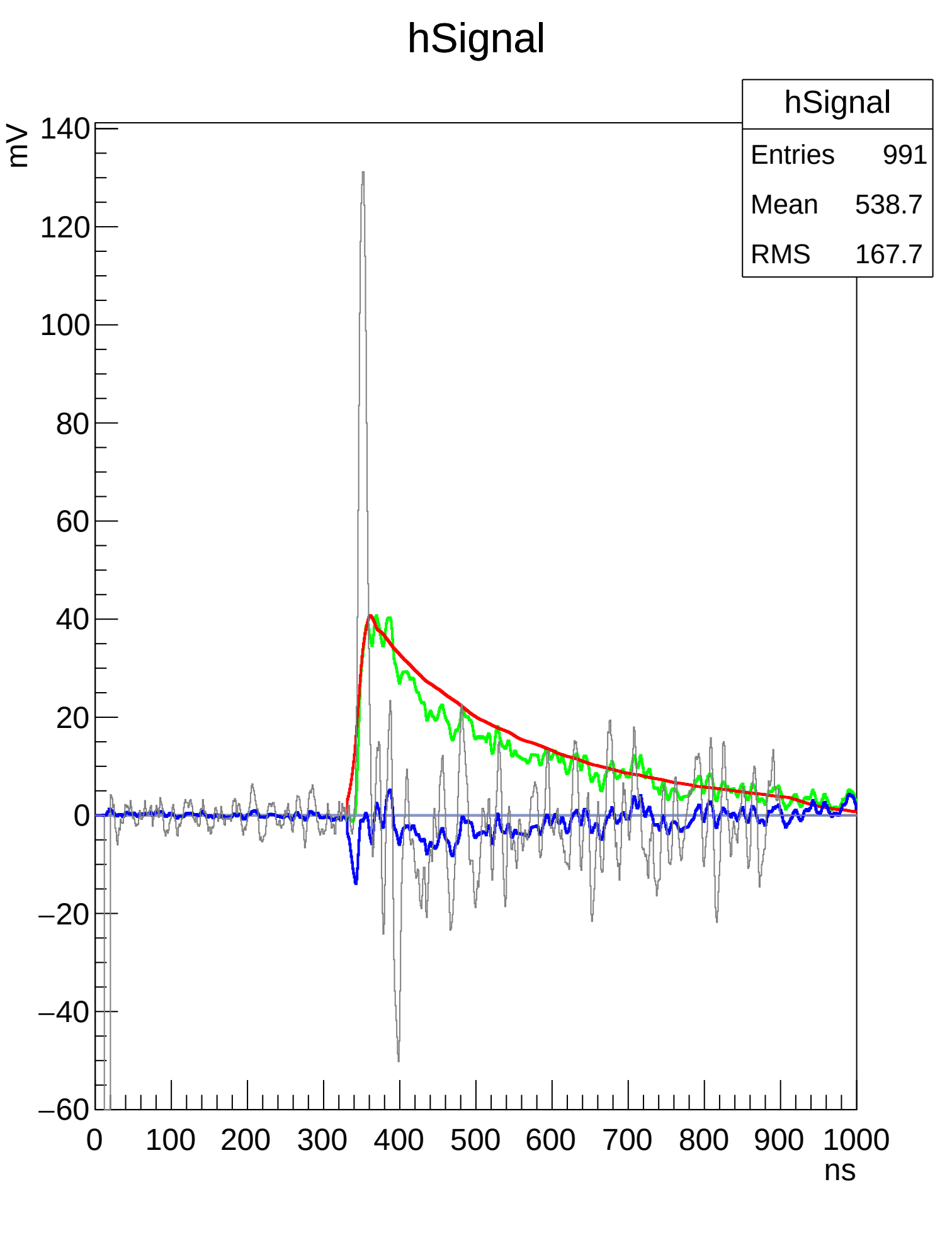

hSignal
hSignal
Entries 991
Mean 537.1
RMS 173.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

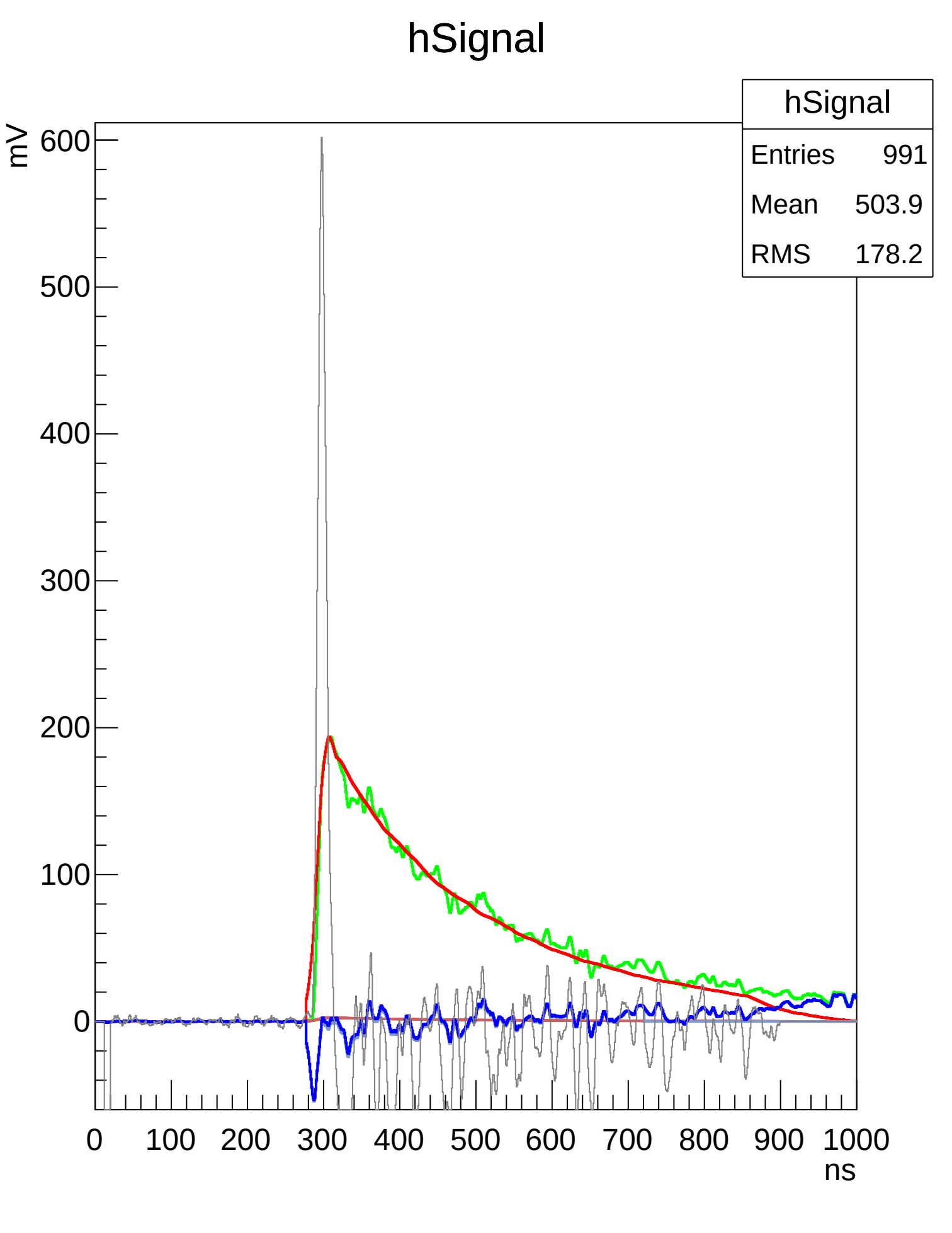

hSignal
hSignal
Entries 991
Mean 542.4
RMS 172.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

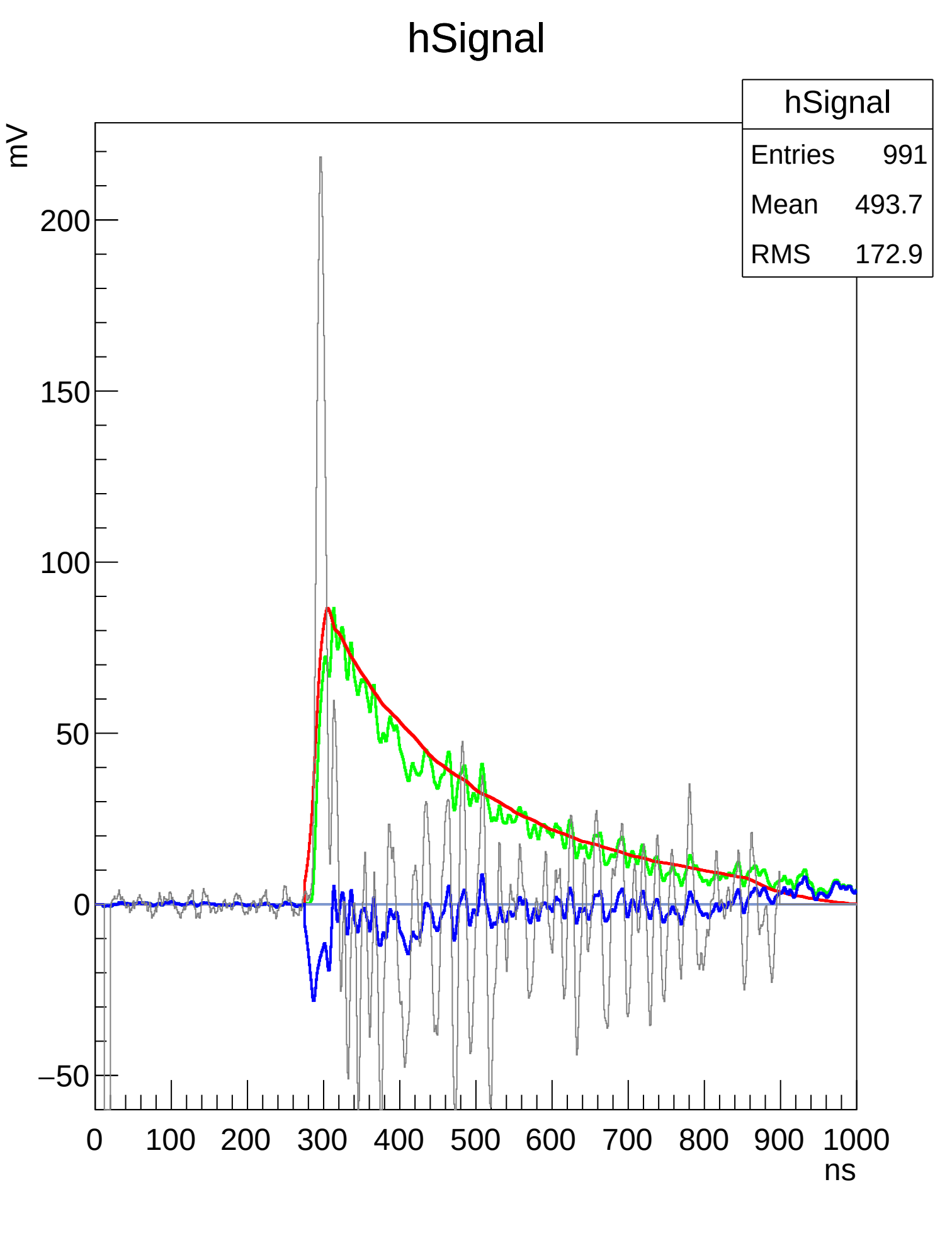

hSignal
hSignal
Entries 991
Mean 535.5
RMS 171
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

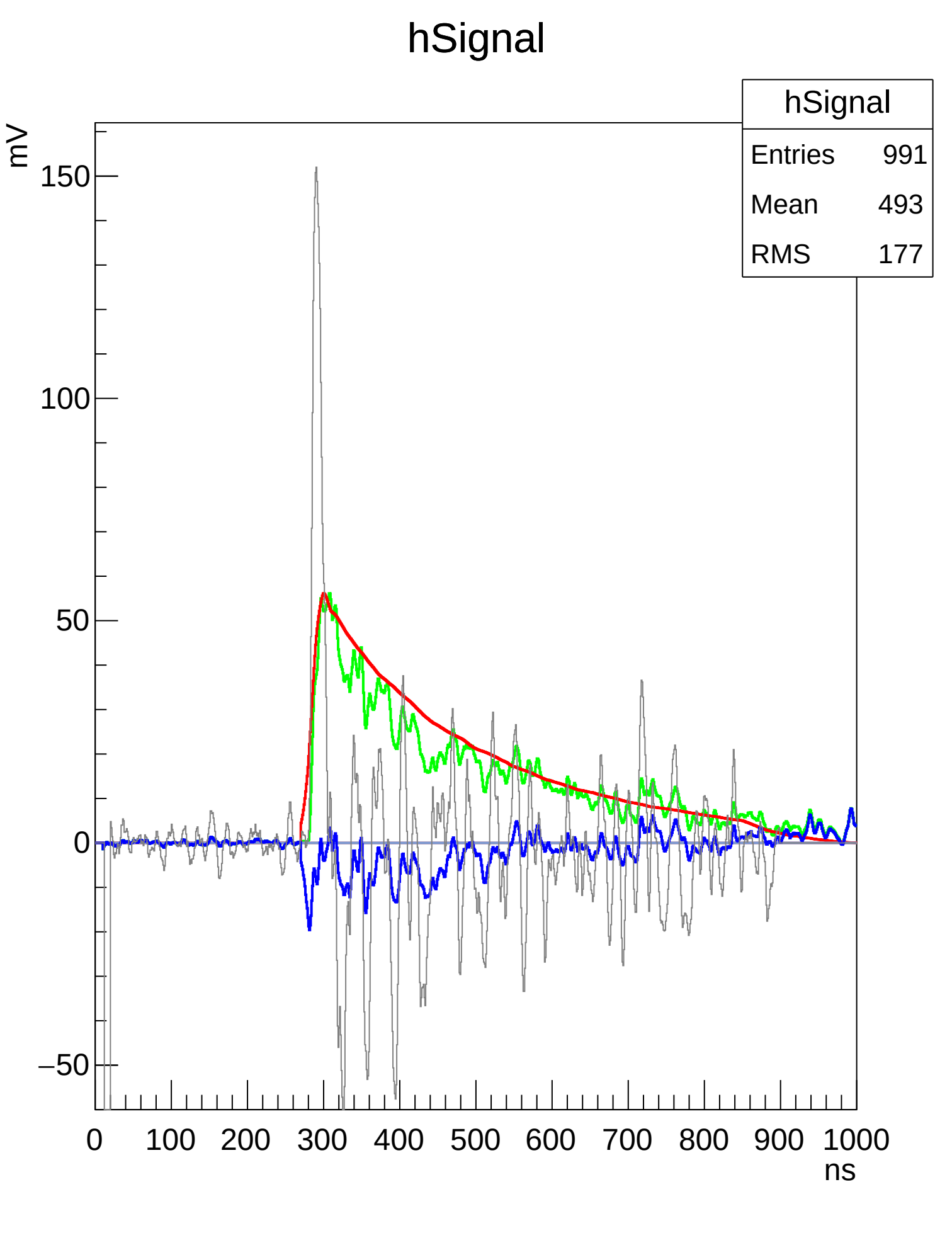

hSignal
hSignal
Entries 991
Mean 569.1
RMS 143.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

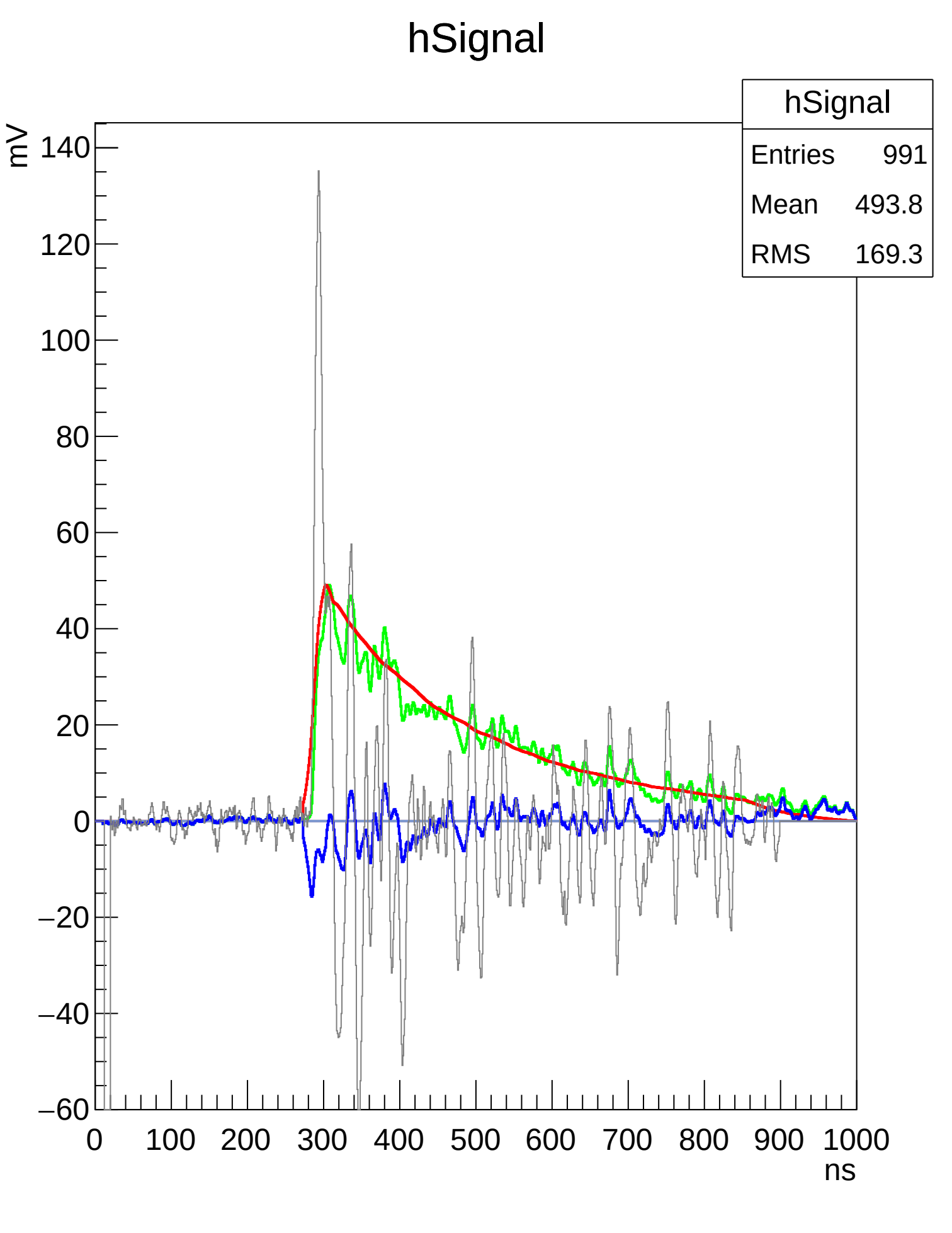

hSignal
hSignal
Entries 991
Mean 518
RMS 167.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

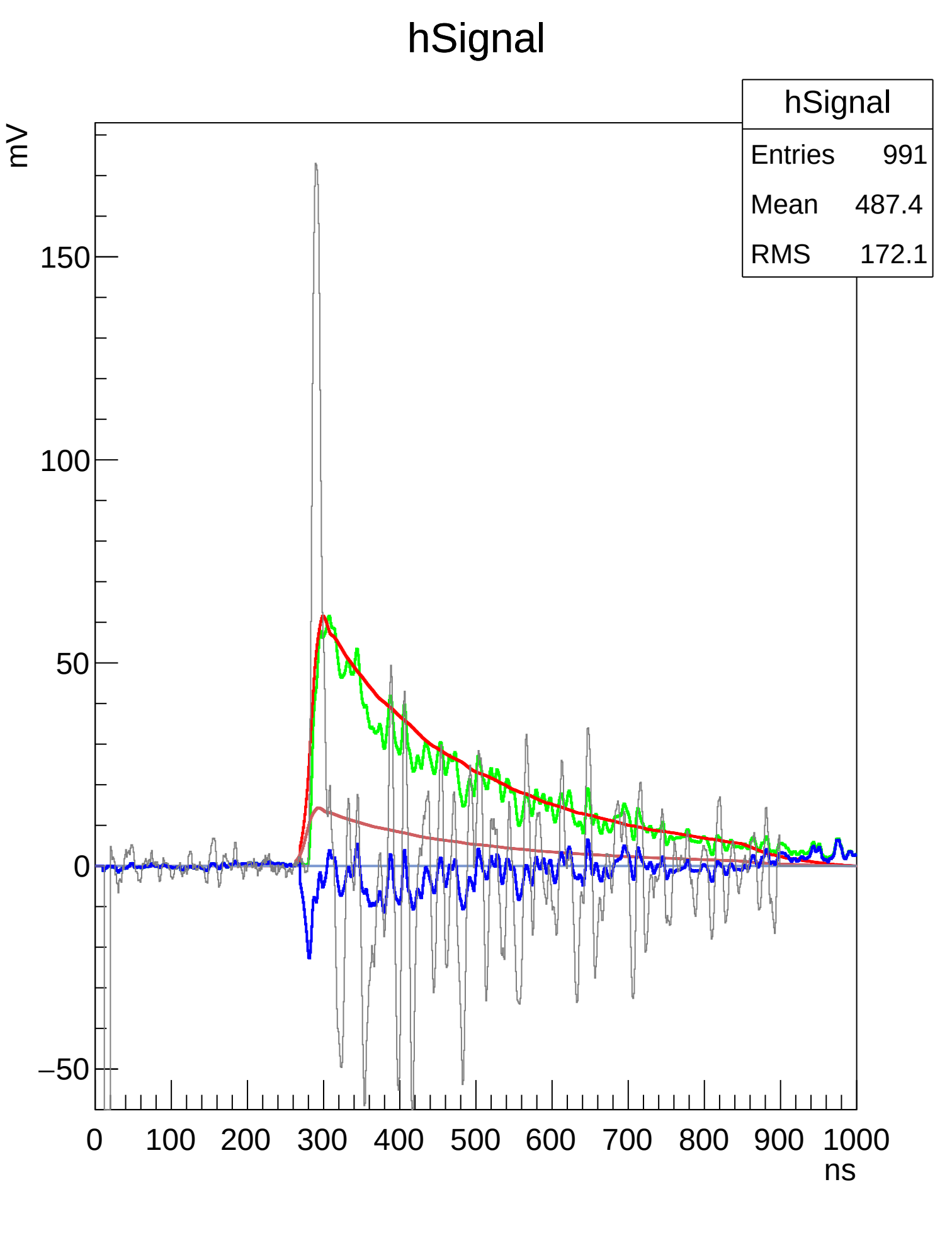

hSignal
hSignal
Entries 991
Mean 538.7
RMS 167.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

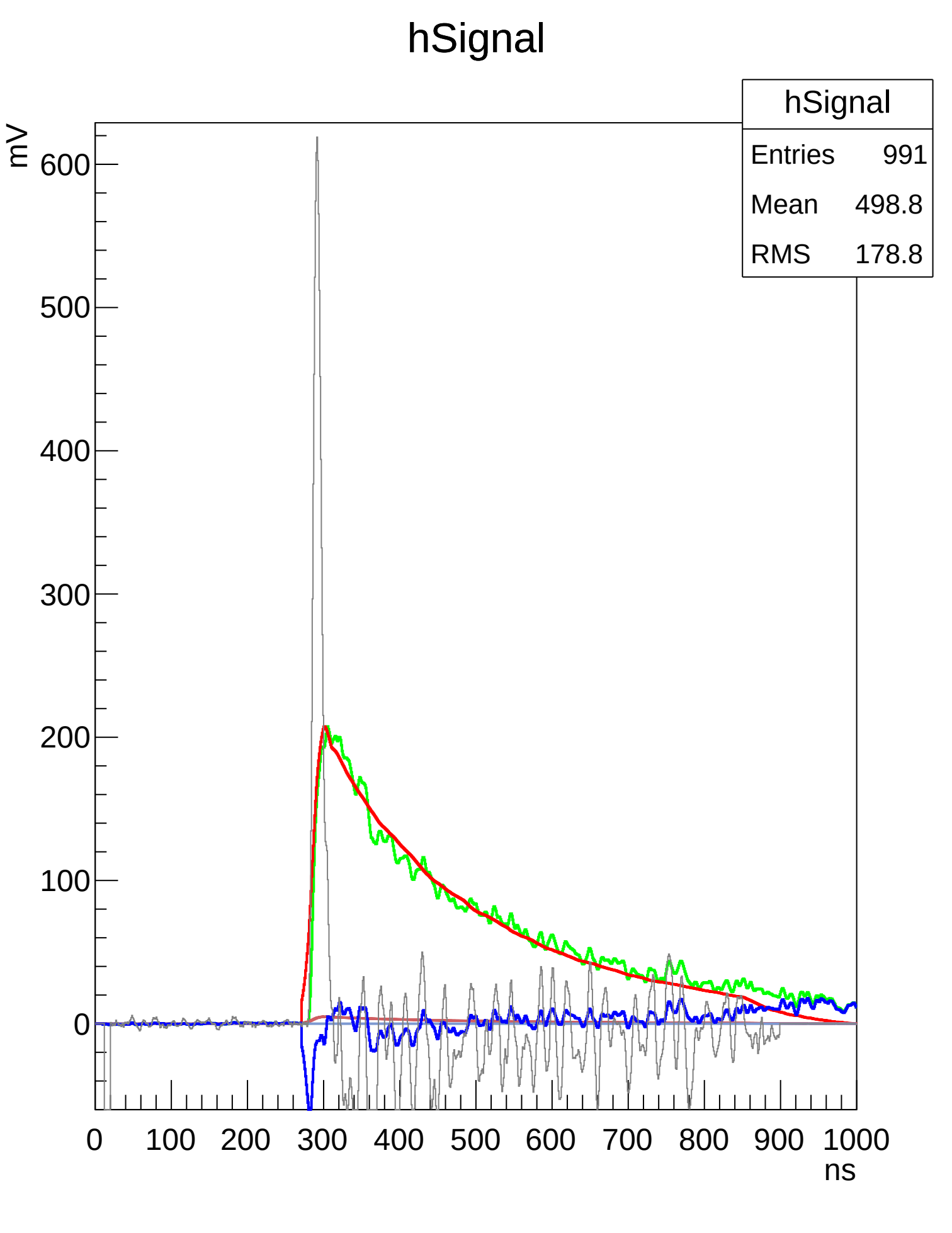

hSignal
hSignal
Entries 991
Mean 503.9
RMS 178.2
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

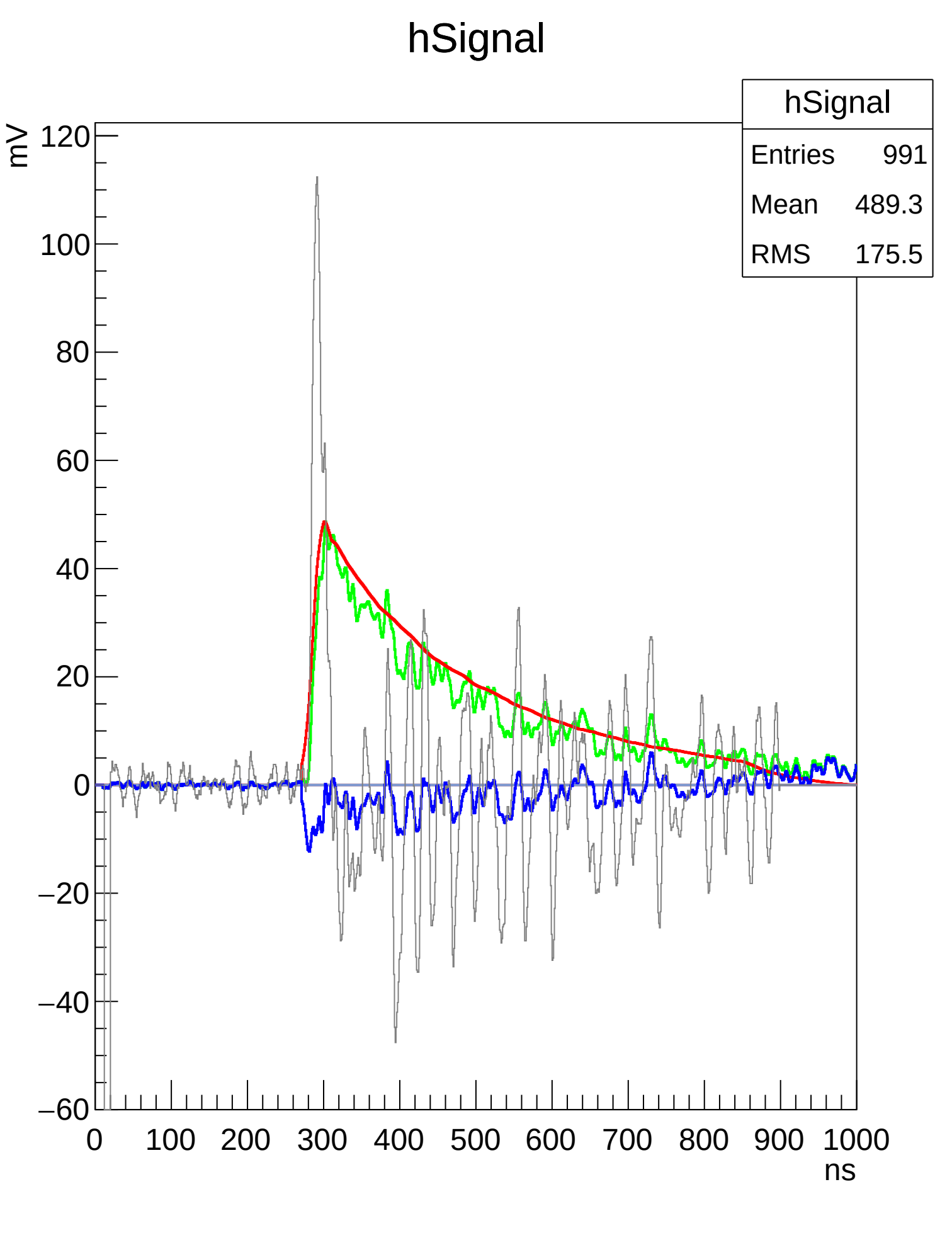

hSignal
hSignal
Entries 991
Mean 493.7
RMS 172.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

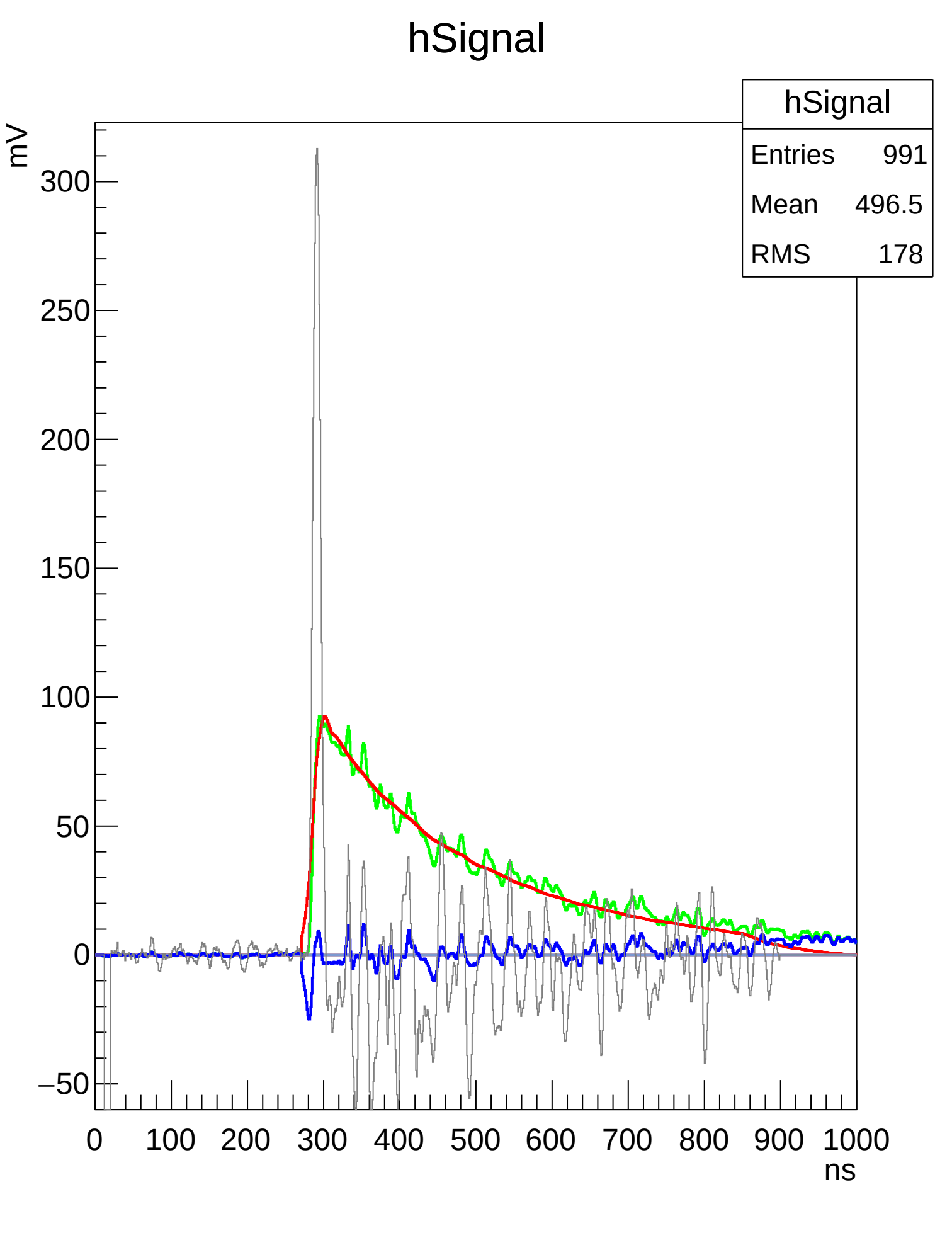

hSignal
hSignal
Entries 991
Mean 493
RMS 177
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

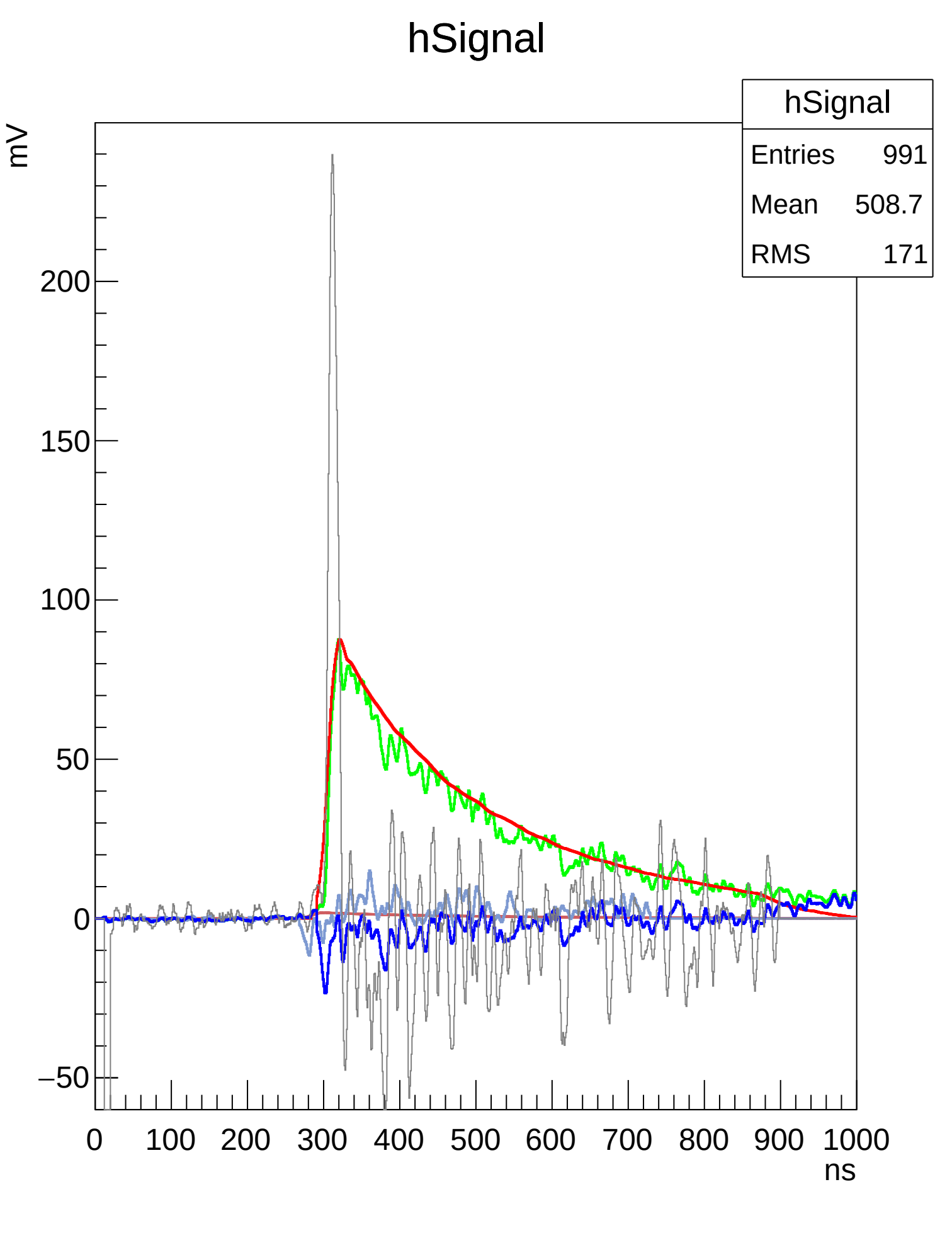

hSignal
hSignal
Entries 991
Mean 493.8
RMS 169.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

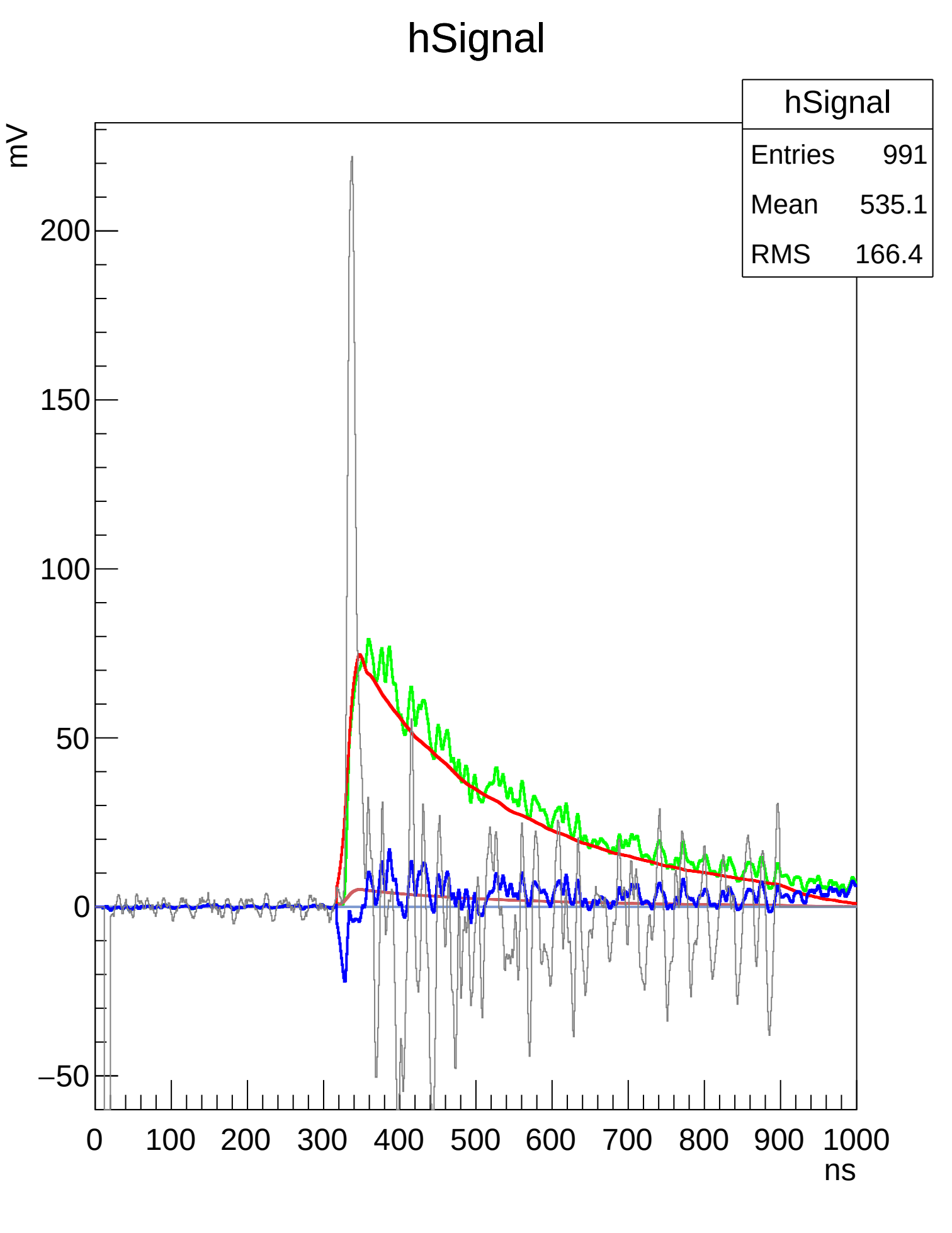

hSignal
hSignal
Entries 991
Mean 487.4
RMS 172.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

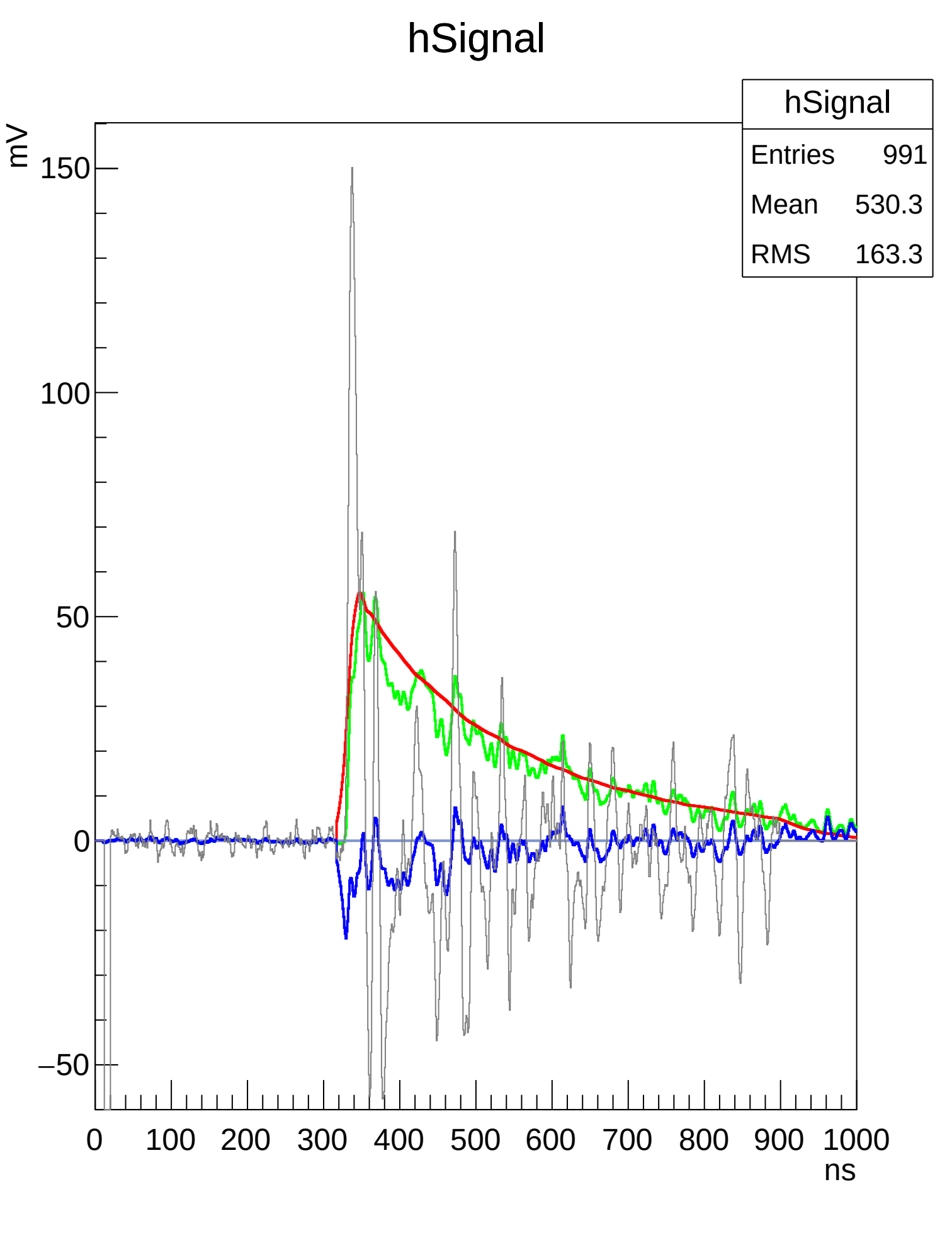

hSignal
hSignal
Entries 991
Mean 498.8
RMS 178.8
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

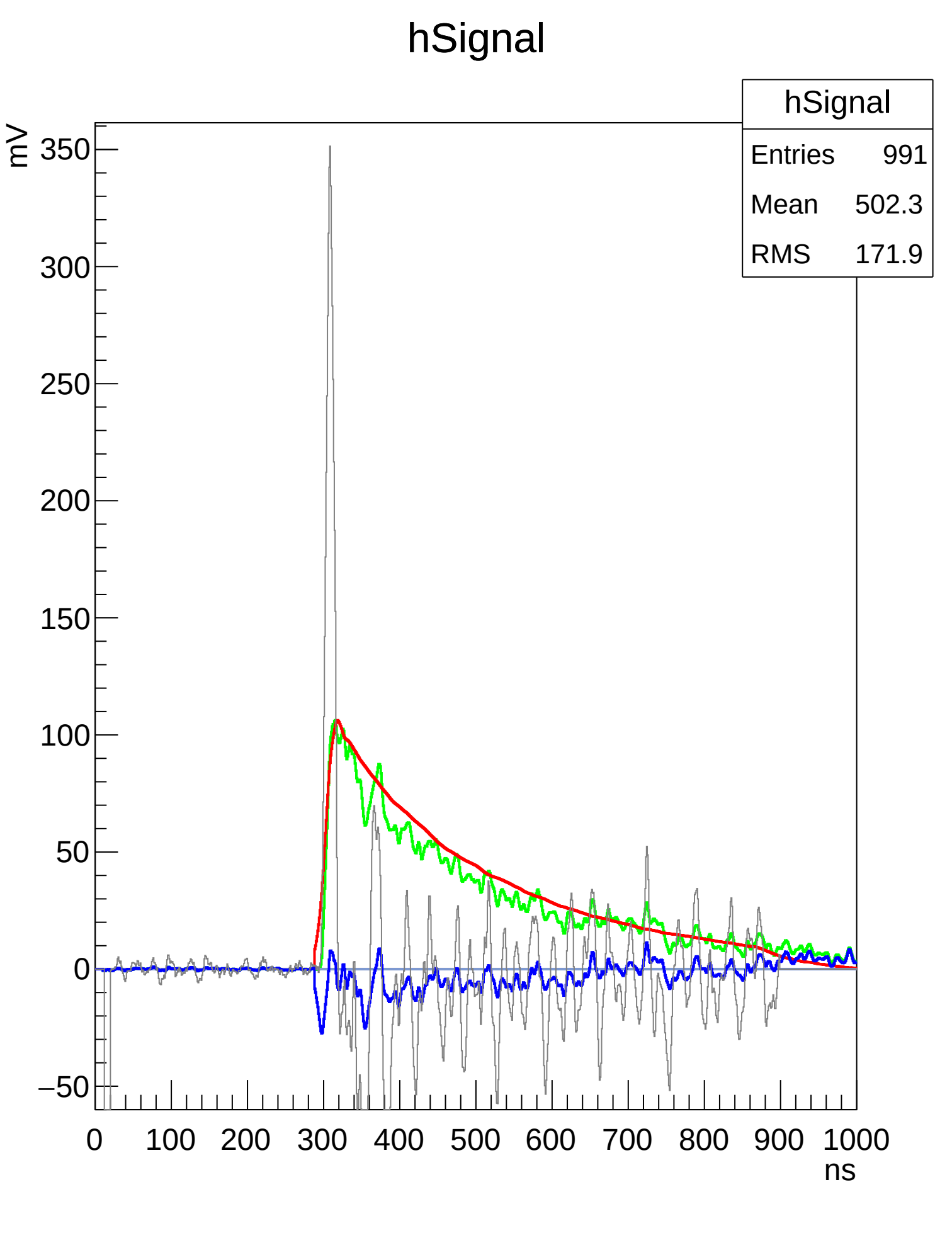

hSignal
hSignal
Entries 991
Mean 489.3
RMS 175.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

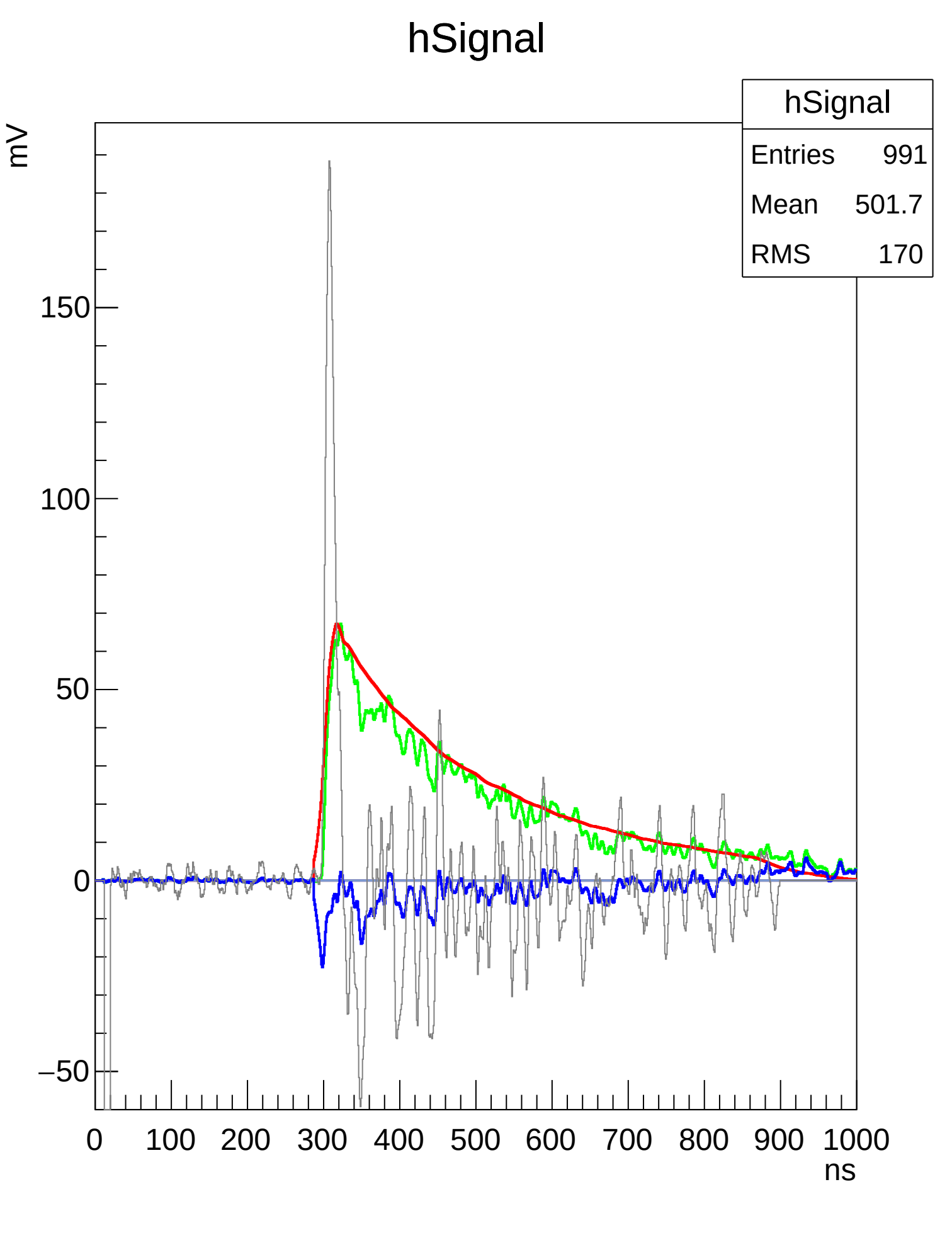

hSignal
hSignal
Entries 991
Mean 496.5
RMS 178
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

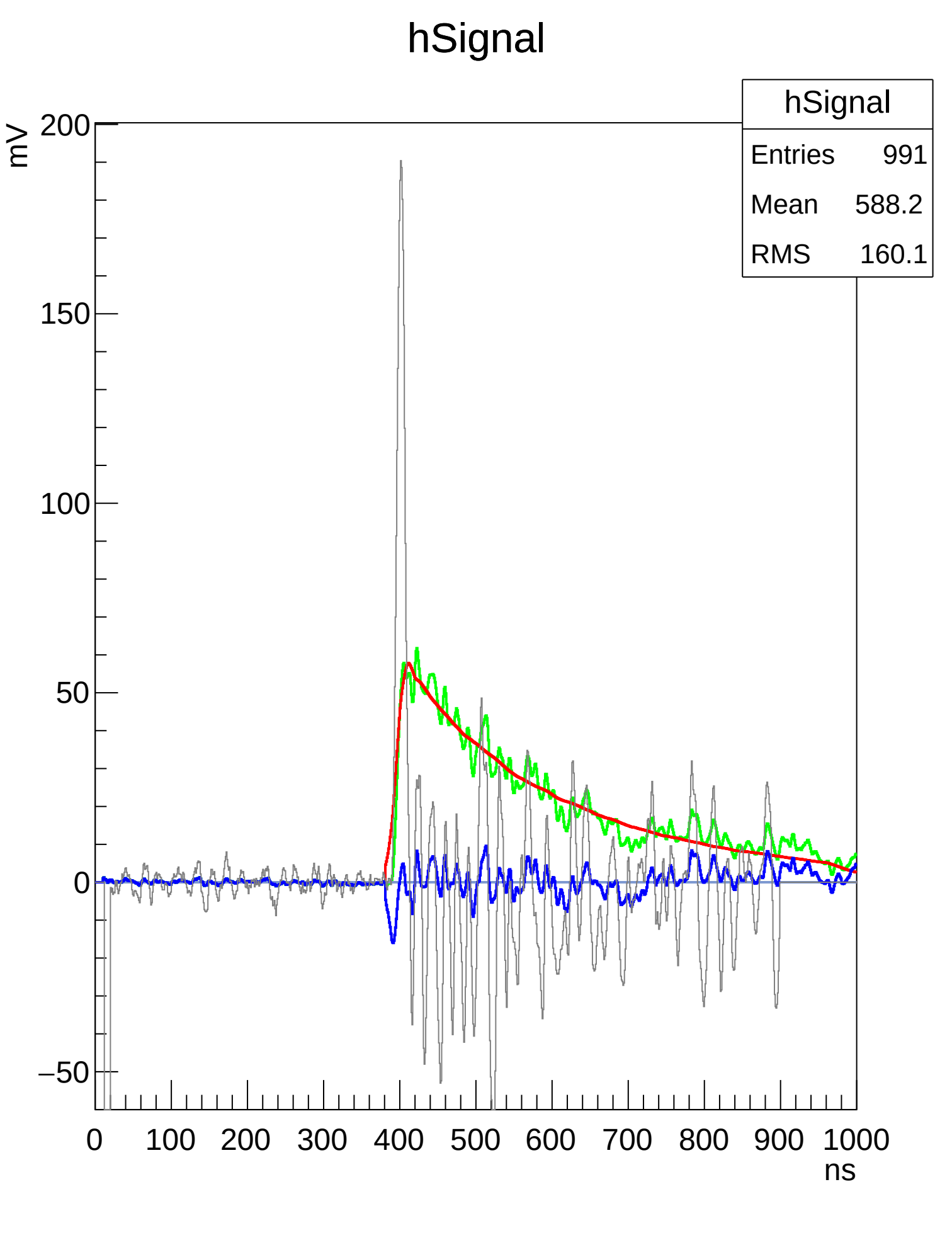

hSignal
hSignal
Entries 991
Mean 508.7
RMS 171
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

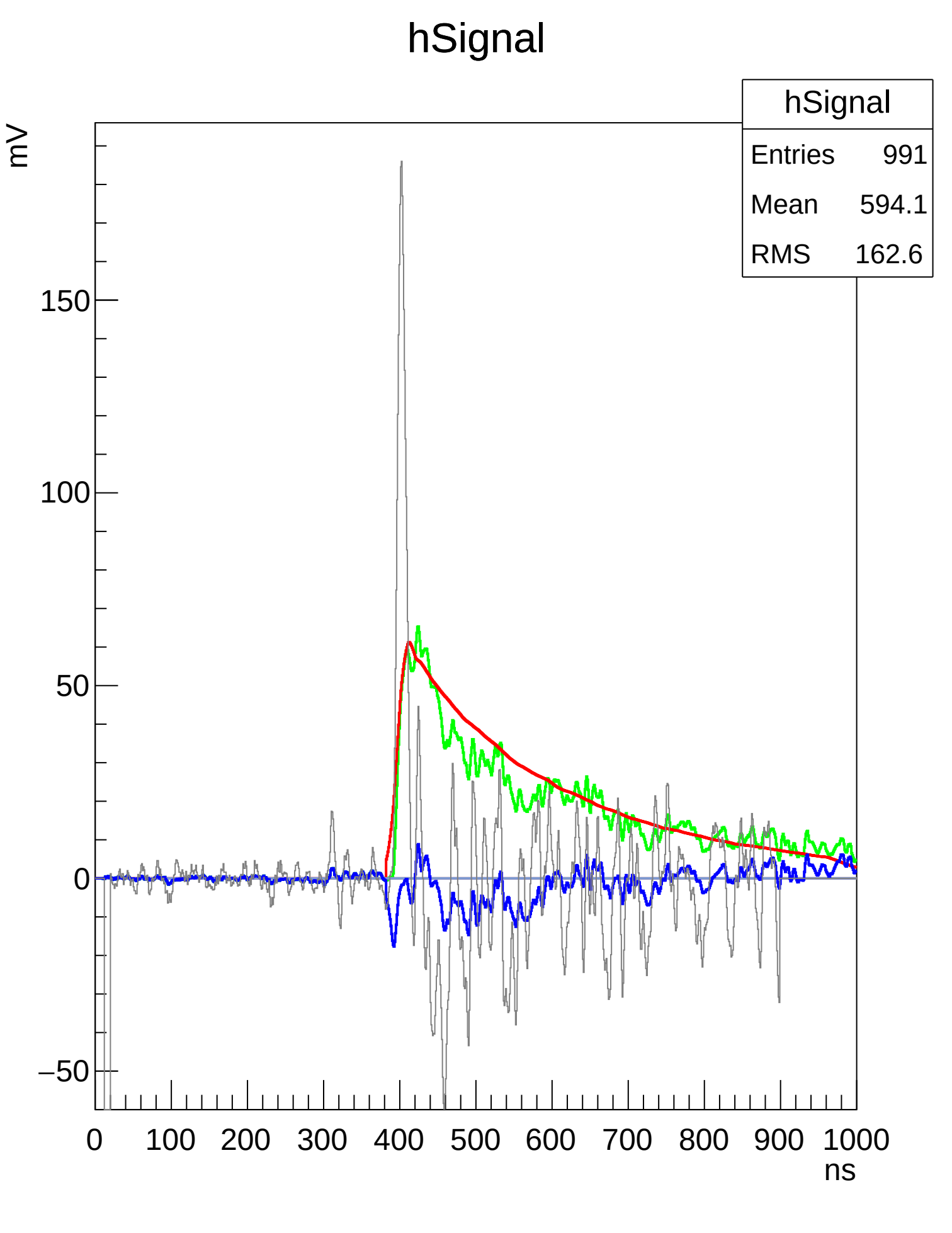

hSignal
hSignal
Entries 991
Mean 535.1
RMS 166.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

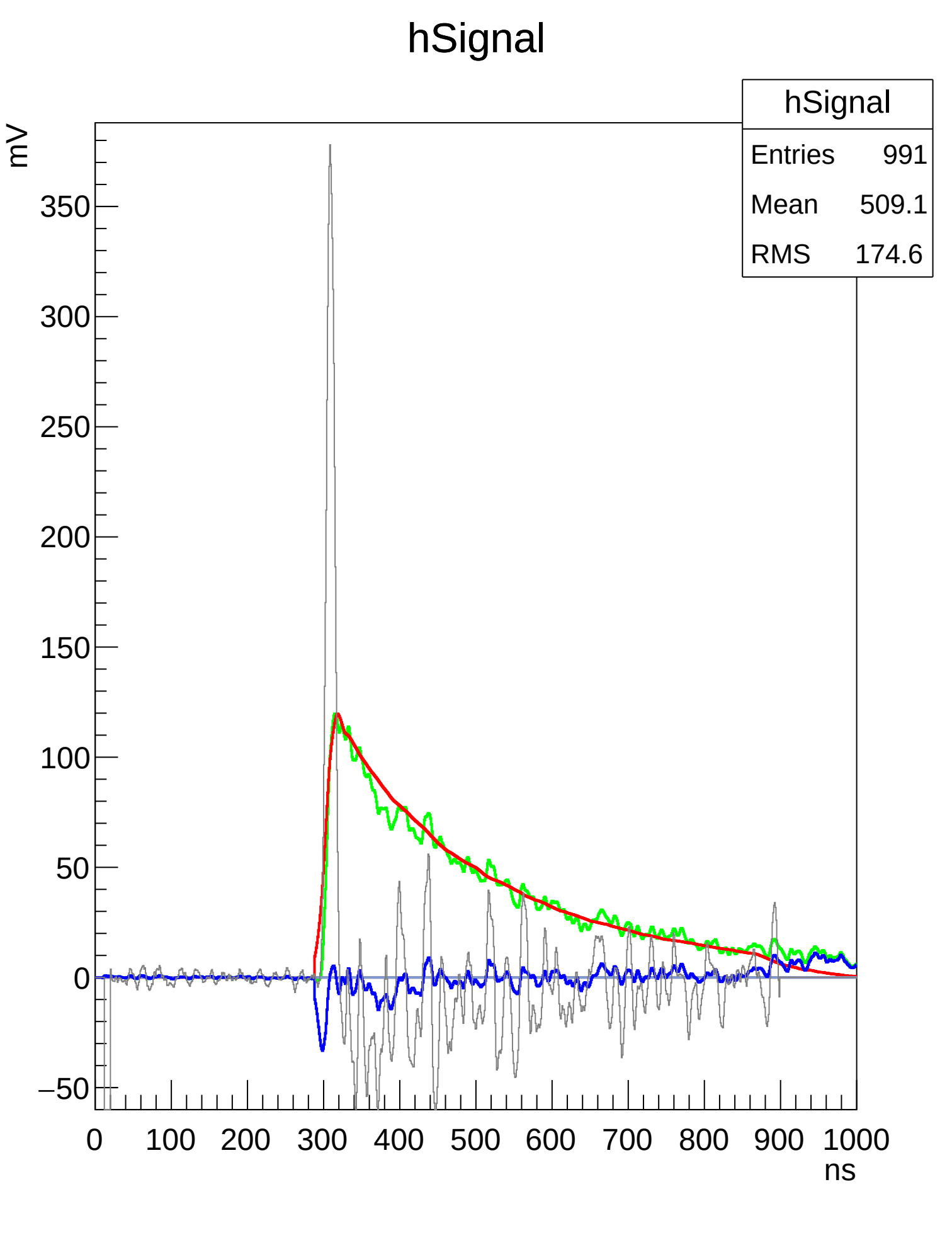

hSignal
hSignal
Entries 991
Mean 530.3
RMS 163.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

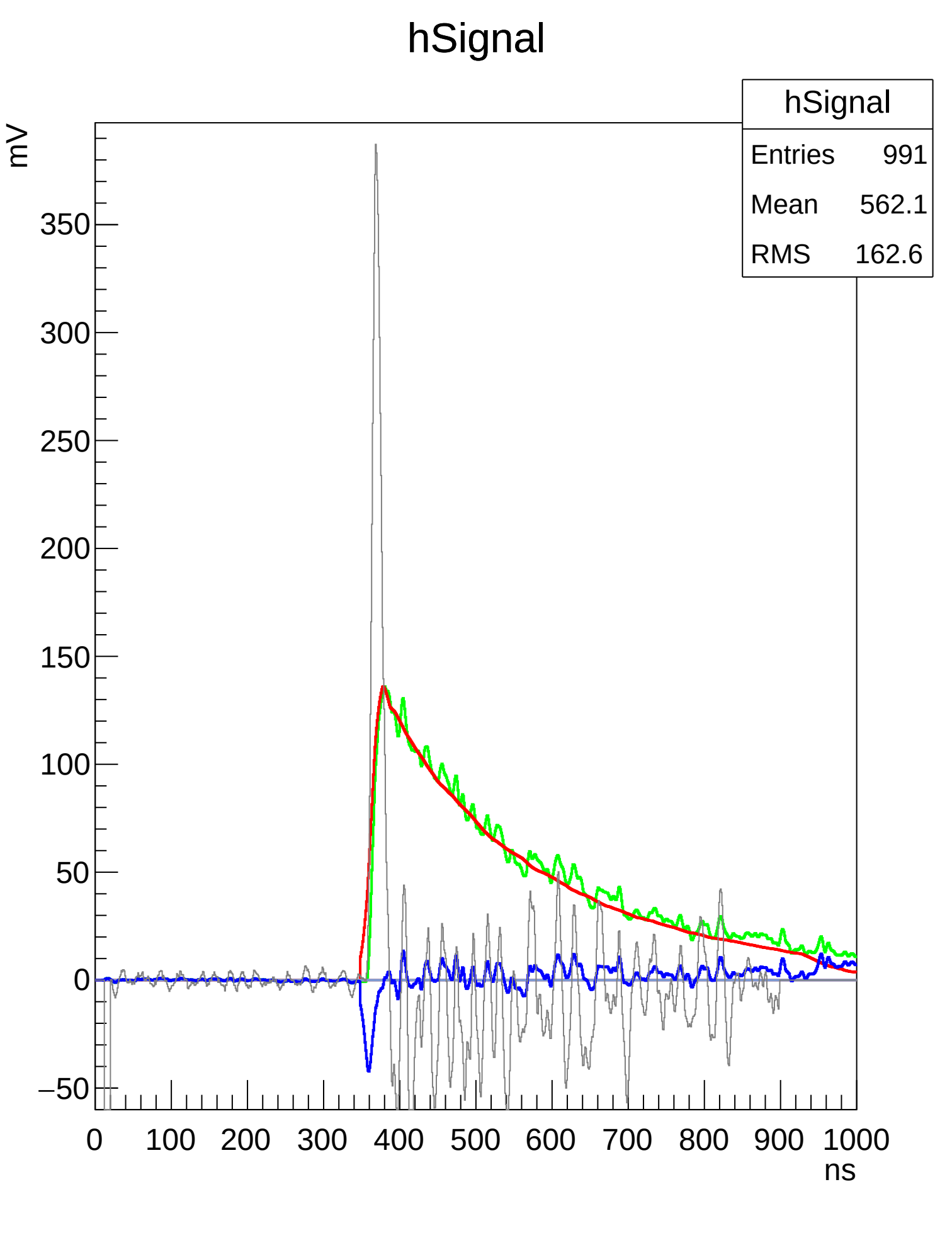

hSignal
hSignal
Entries 991
Mean 502.3
RMS 171.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

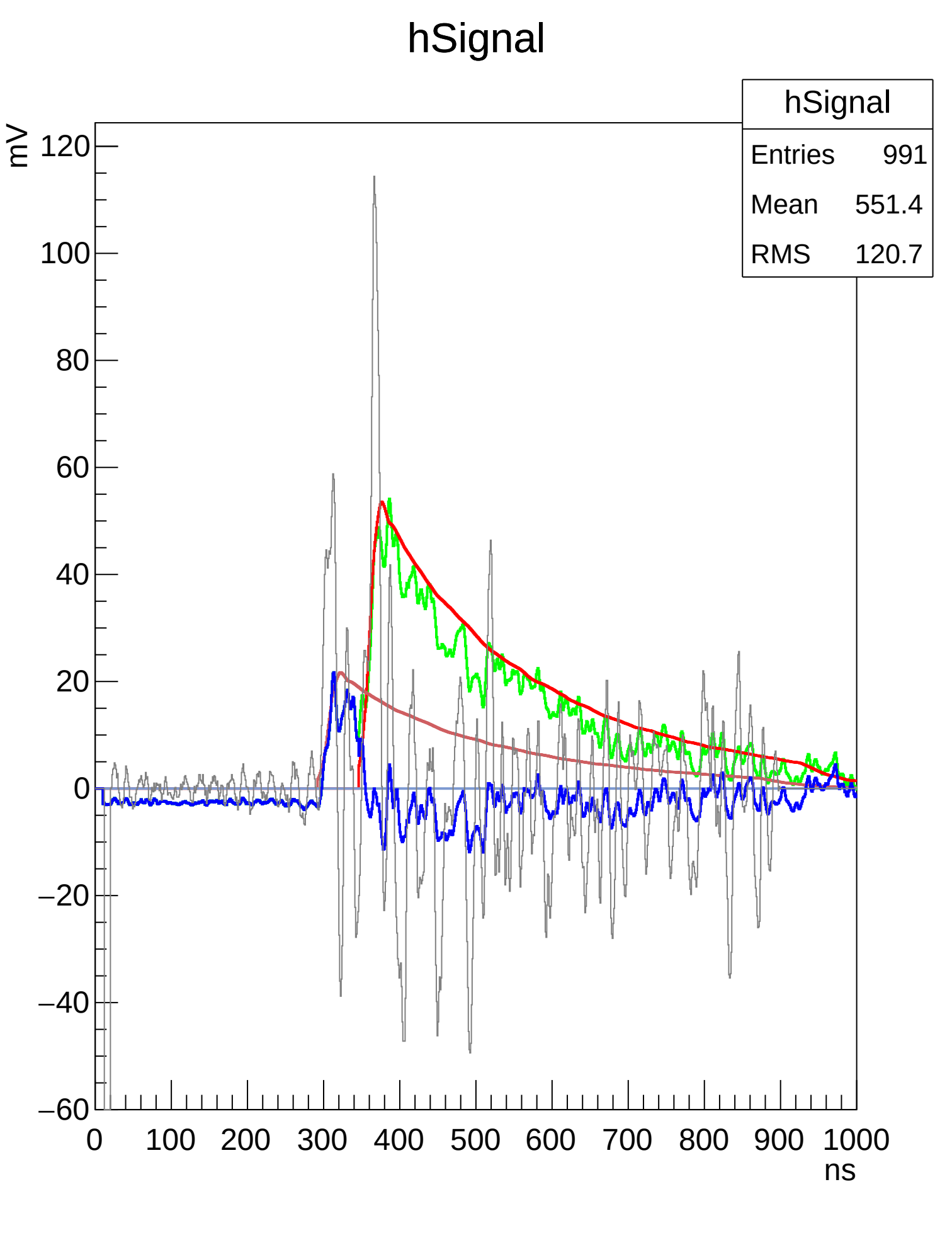

hSignal
hSignal
Entries 991
Mean 501.7
RMS 170
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

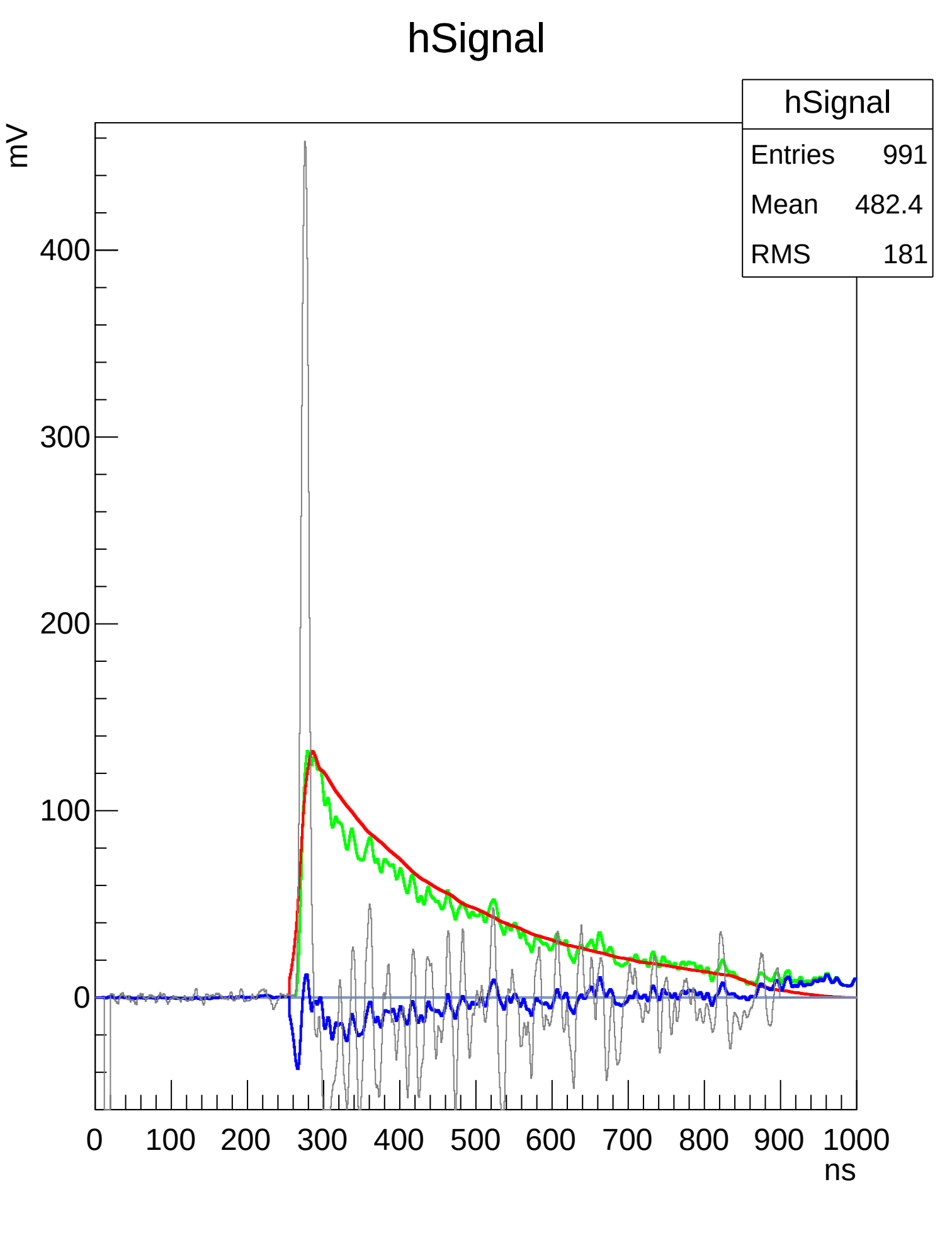

hSignal
hSignal
Entries 991
Mean 588.2
RMS 160.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

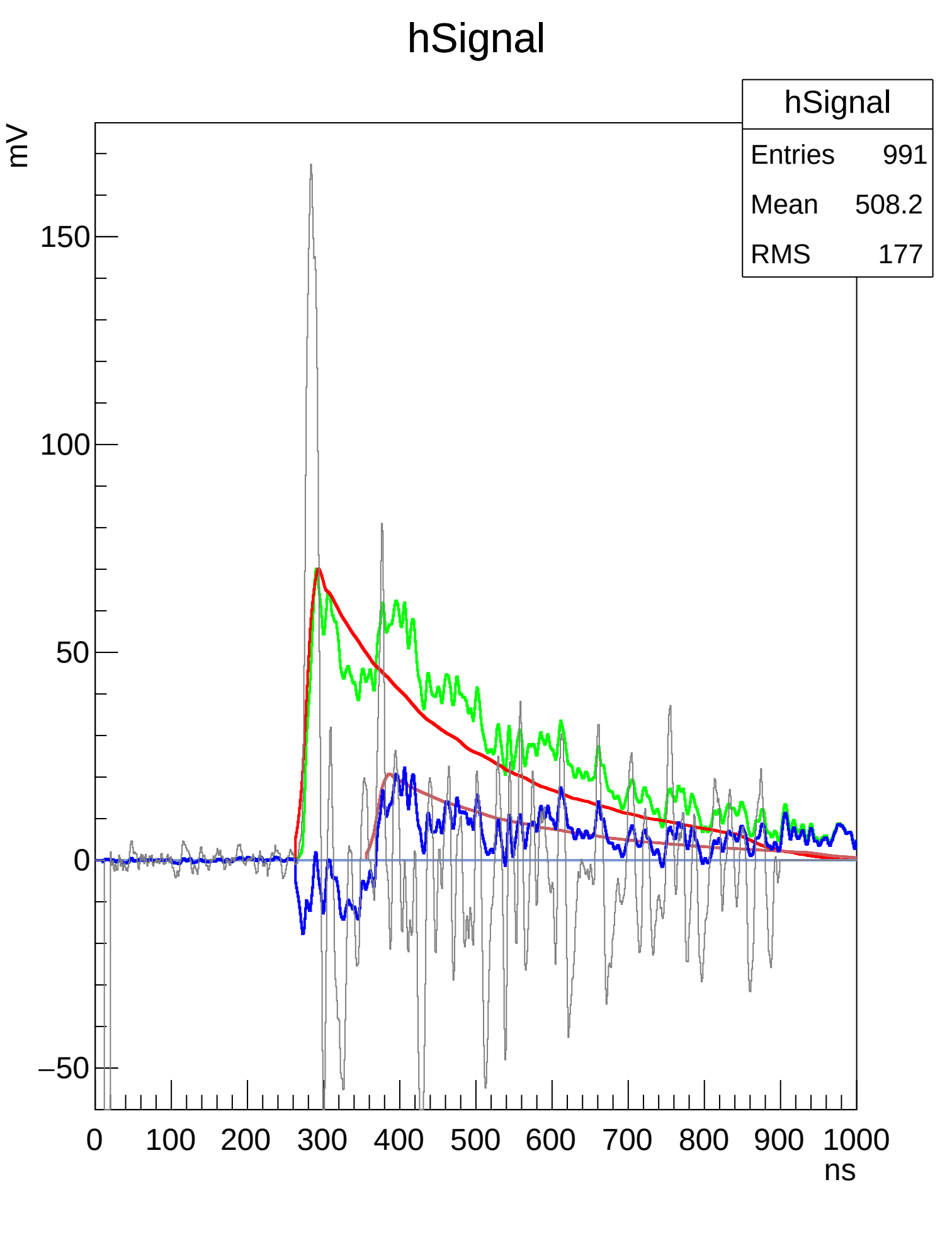

hSignal
hSignal
Entries 991
Mean 594.1
RMS 162.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

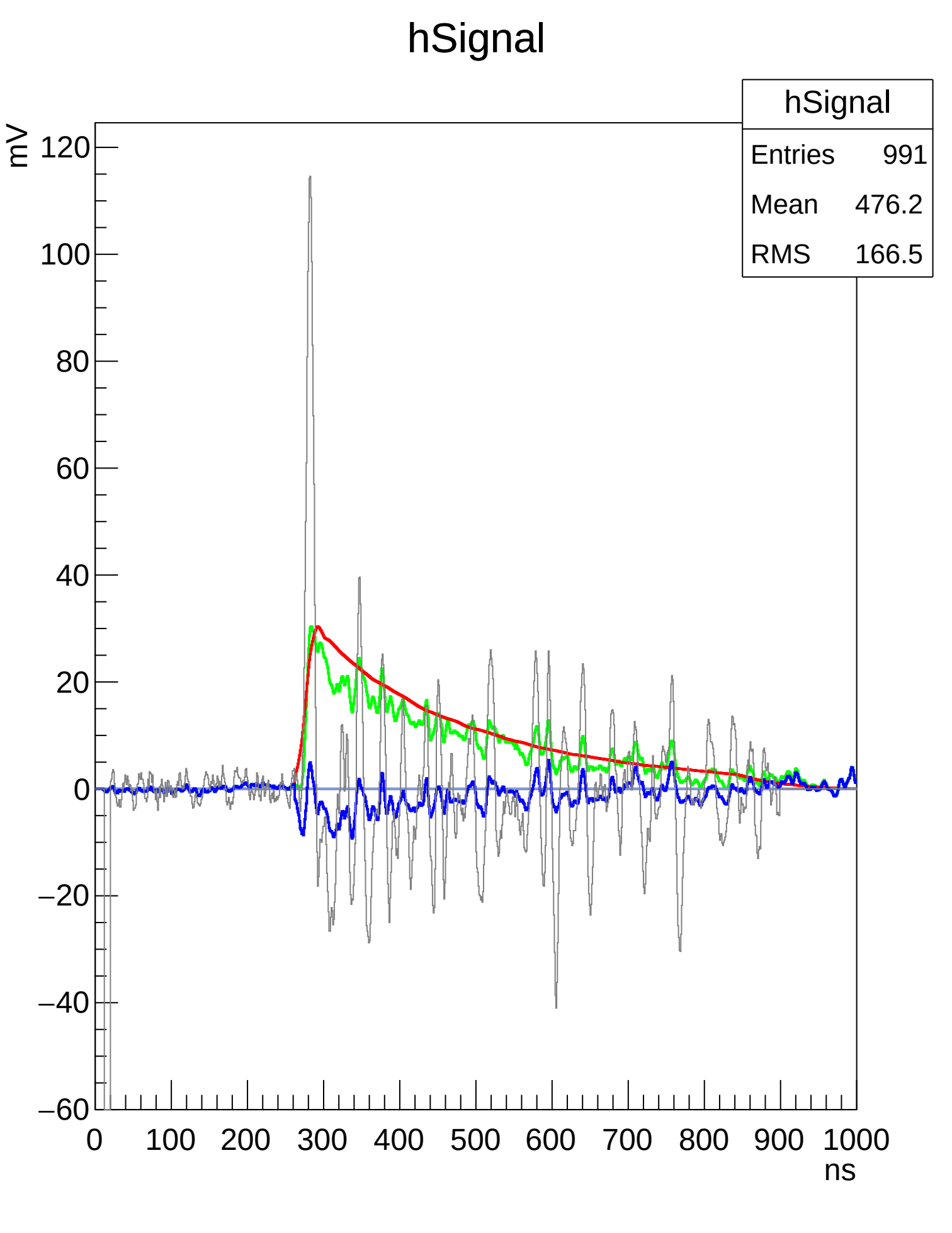

hSignal
hSignal
Entries 991
Mean 509.1
RMS 174.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

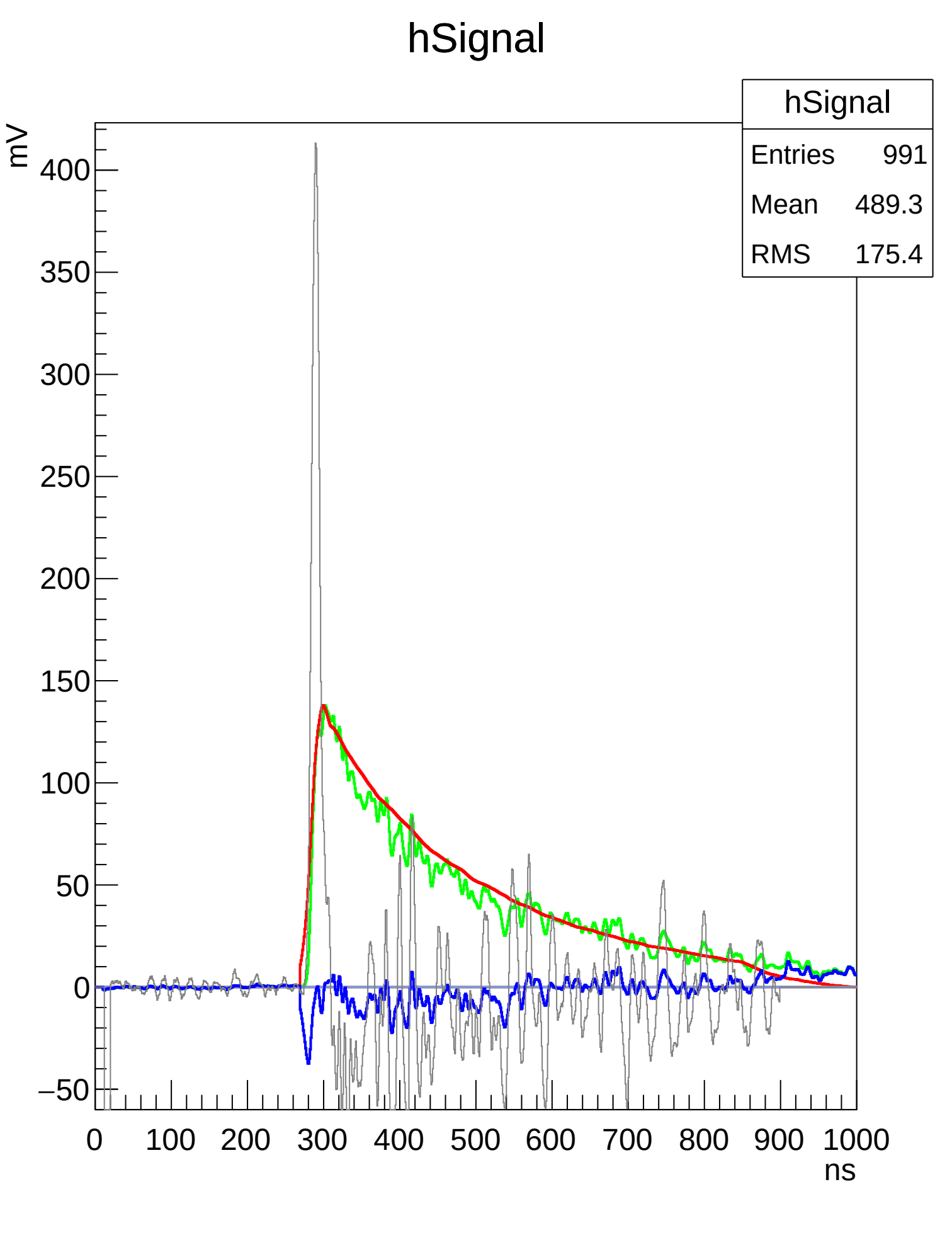

hSignal
hSignal
Entries 991
Mean 562.1
RMS 162.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

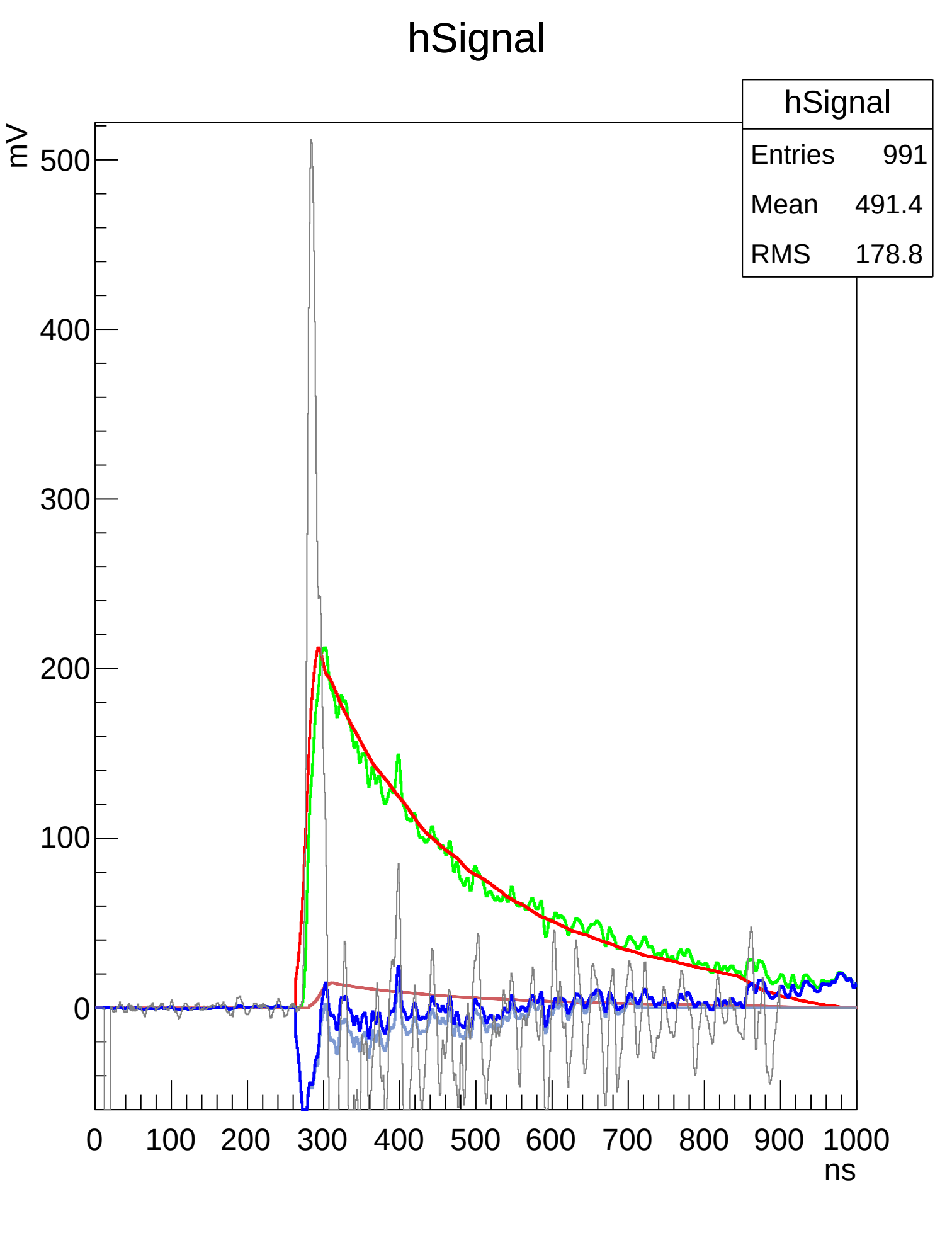

hSignal
hSignal
Entries 991
Mean 551.4
RMS 120.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

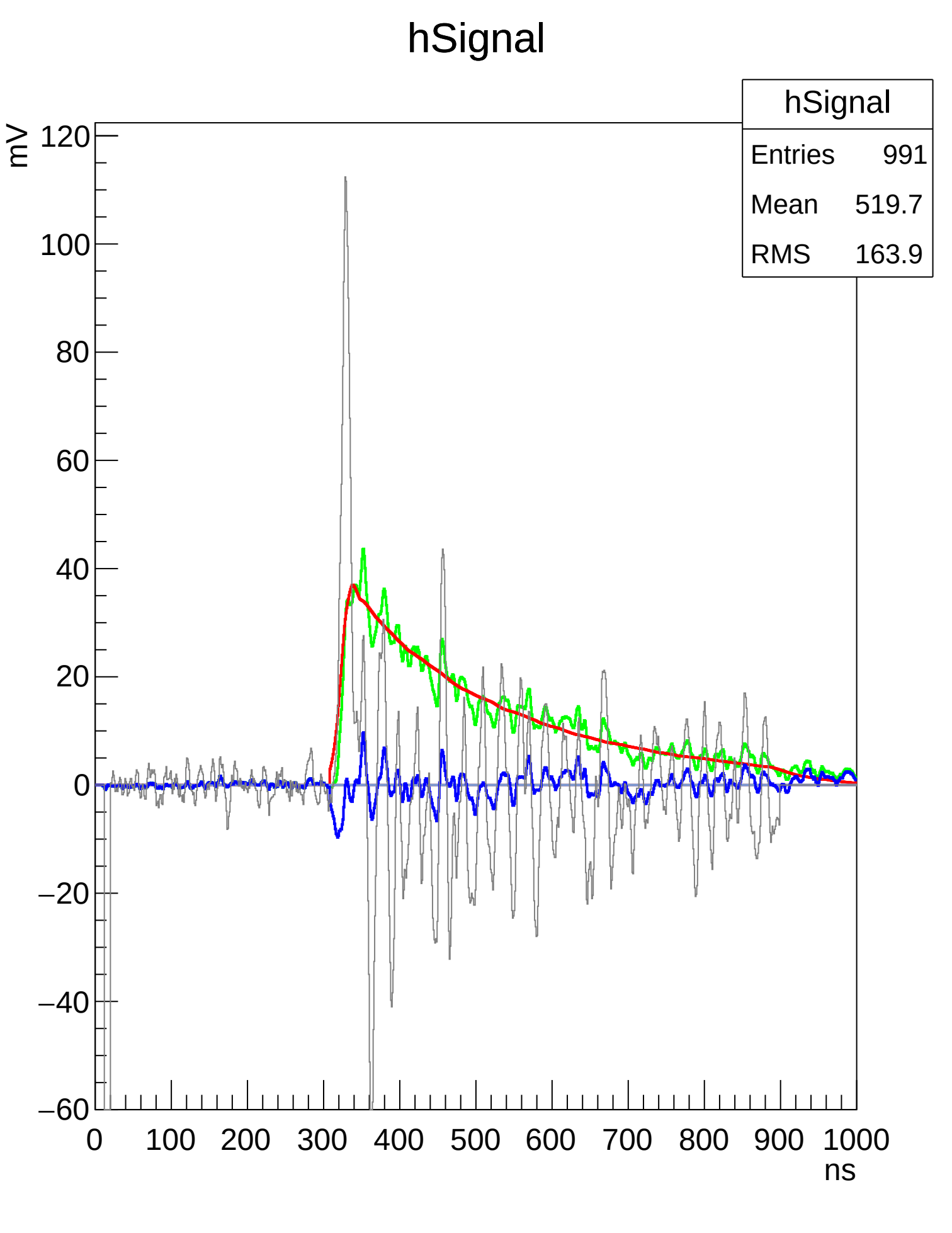

hSignal
hSignal
Entries 991
Mean 482.4
RMS 181
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

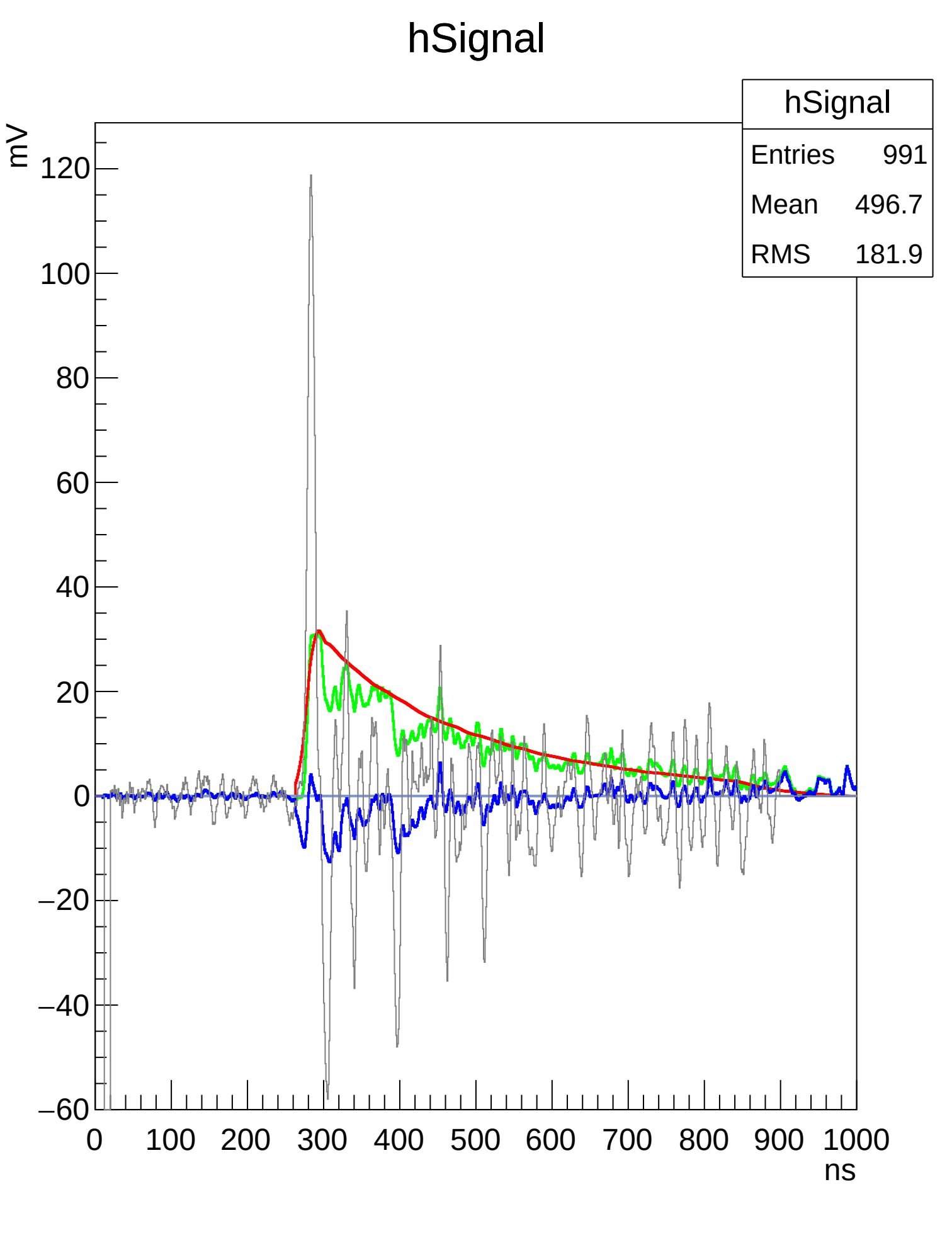

hSignal
hSignal
Entries 991
Mean 508.2
RMS 177
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

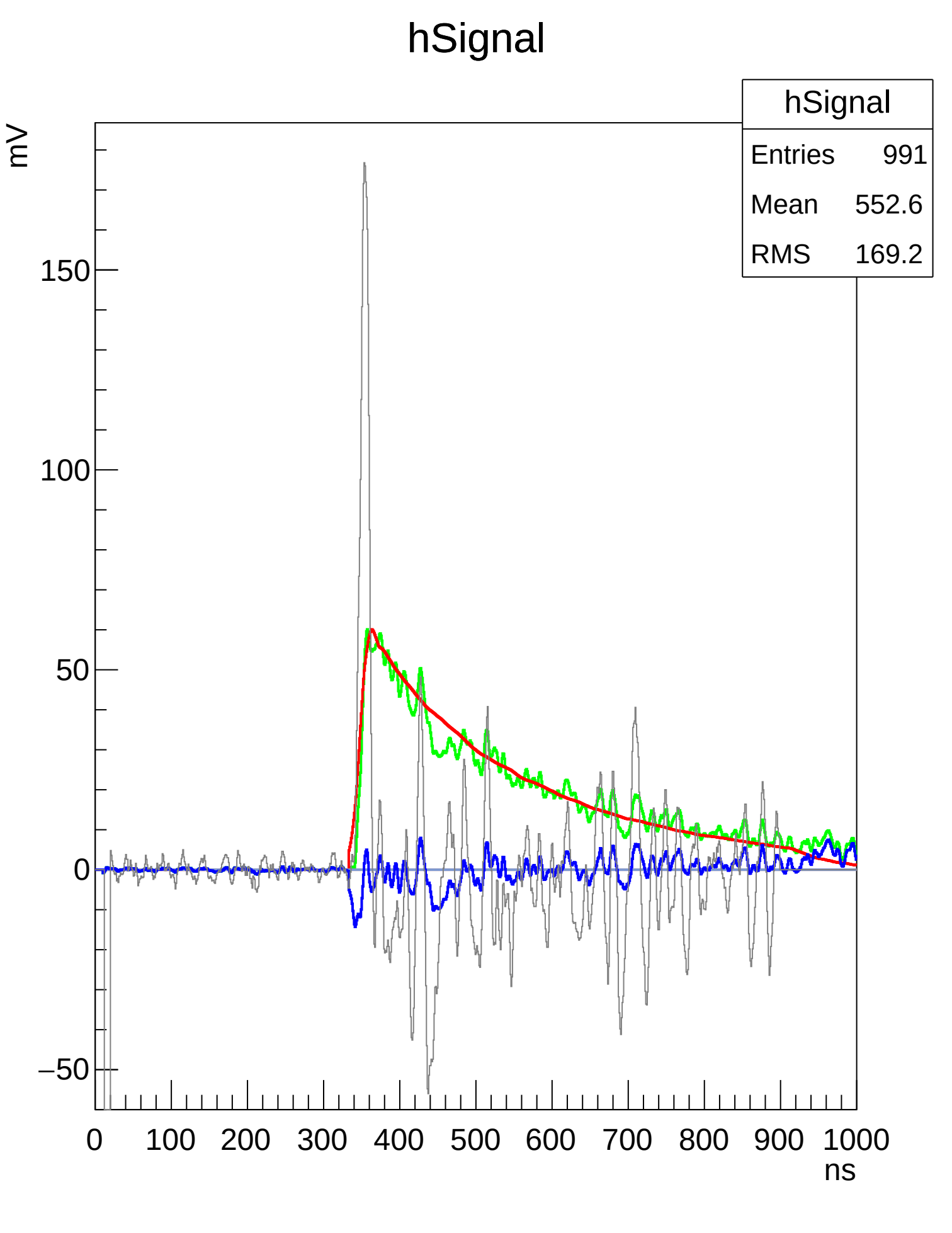

hSignal
hSignal
Entries 991
Mean 476.2
RMS 166.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

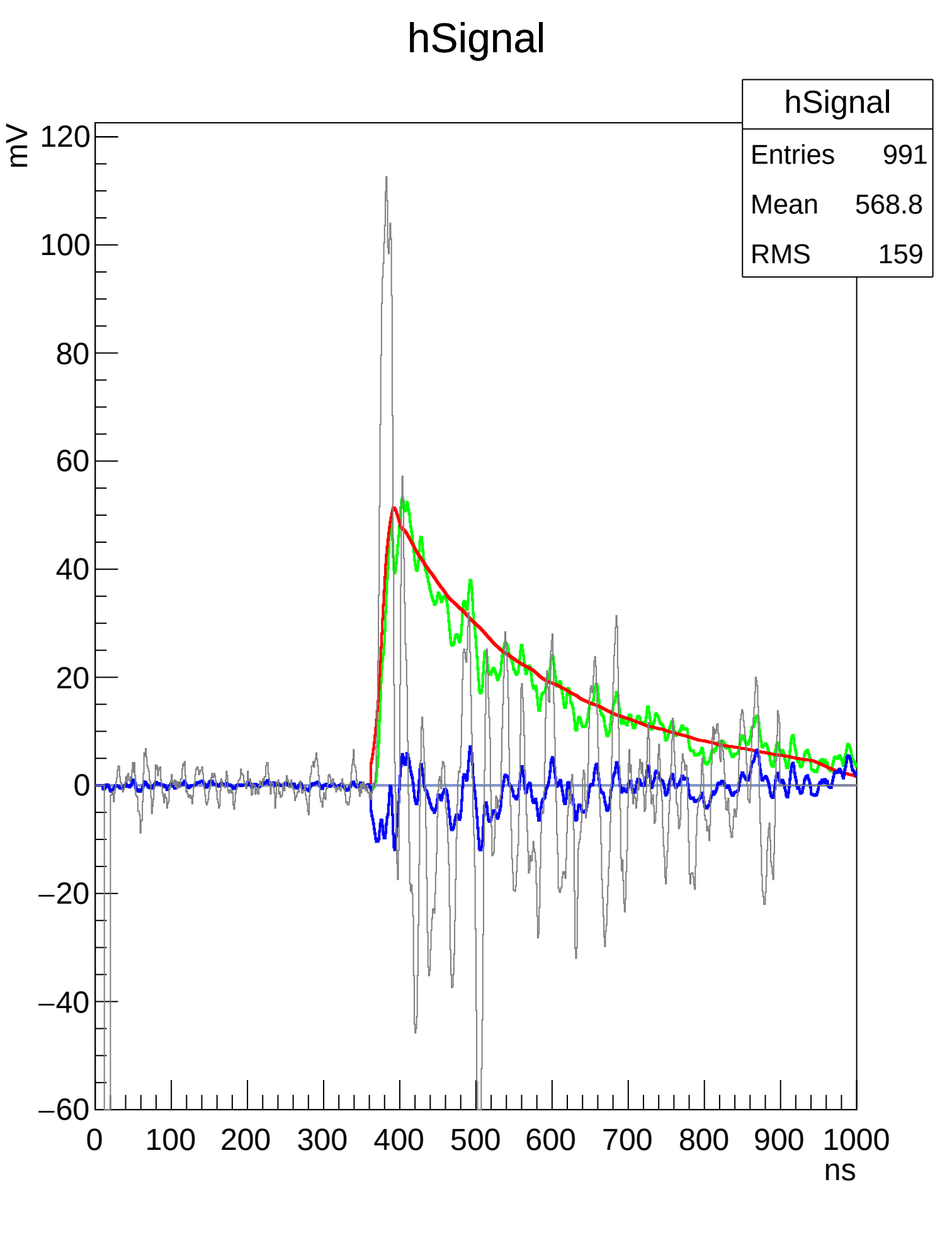

hSignal
hSignal
Entries 991
Mean 489.3
RMS 175.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

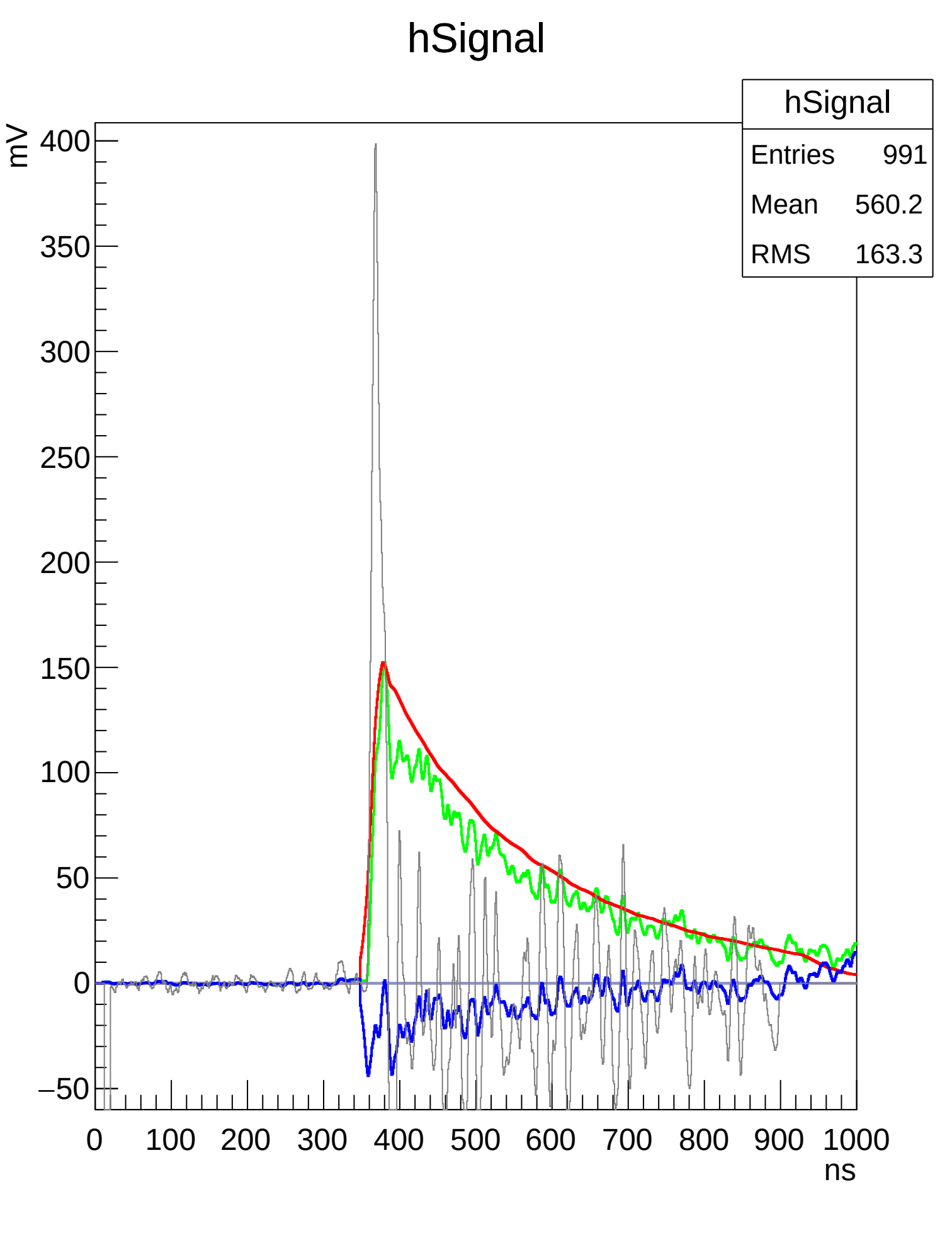

hSignal
hSignal
Entries 991
Mean 491.4
RMS 178.8
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

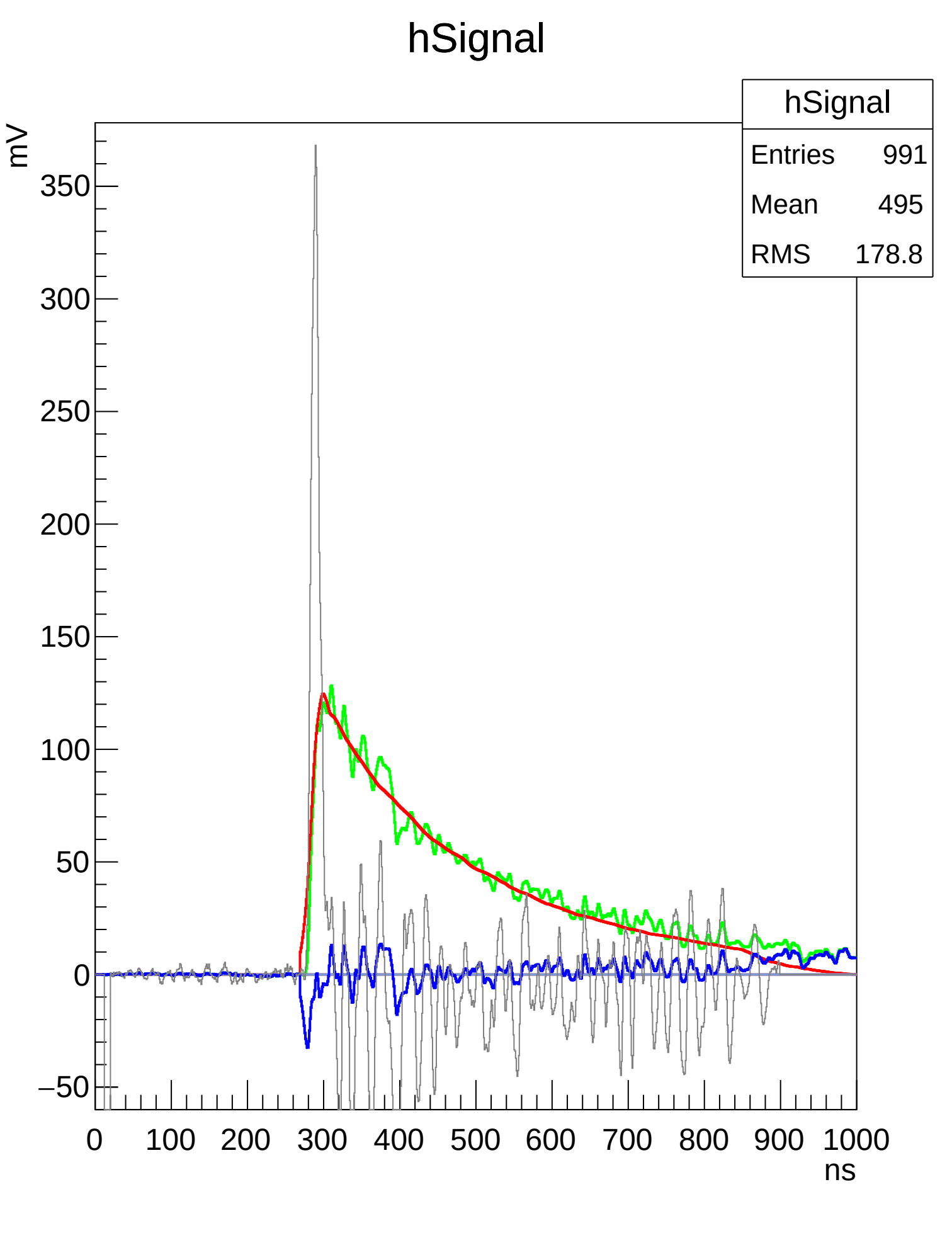

hSignal
hSignal
Entries 991
Mean 519.7
RMS 163.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

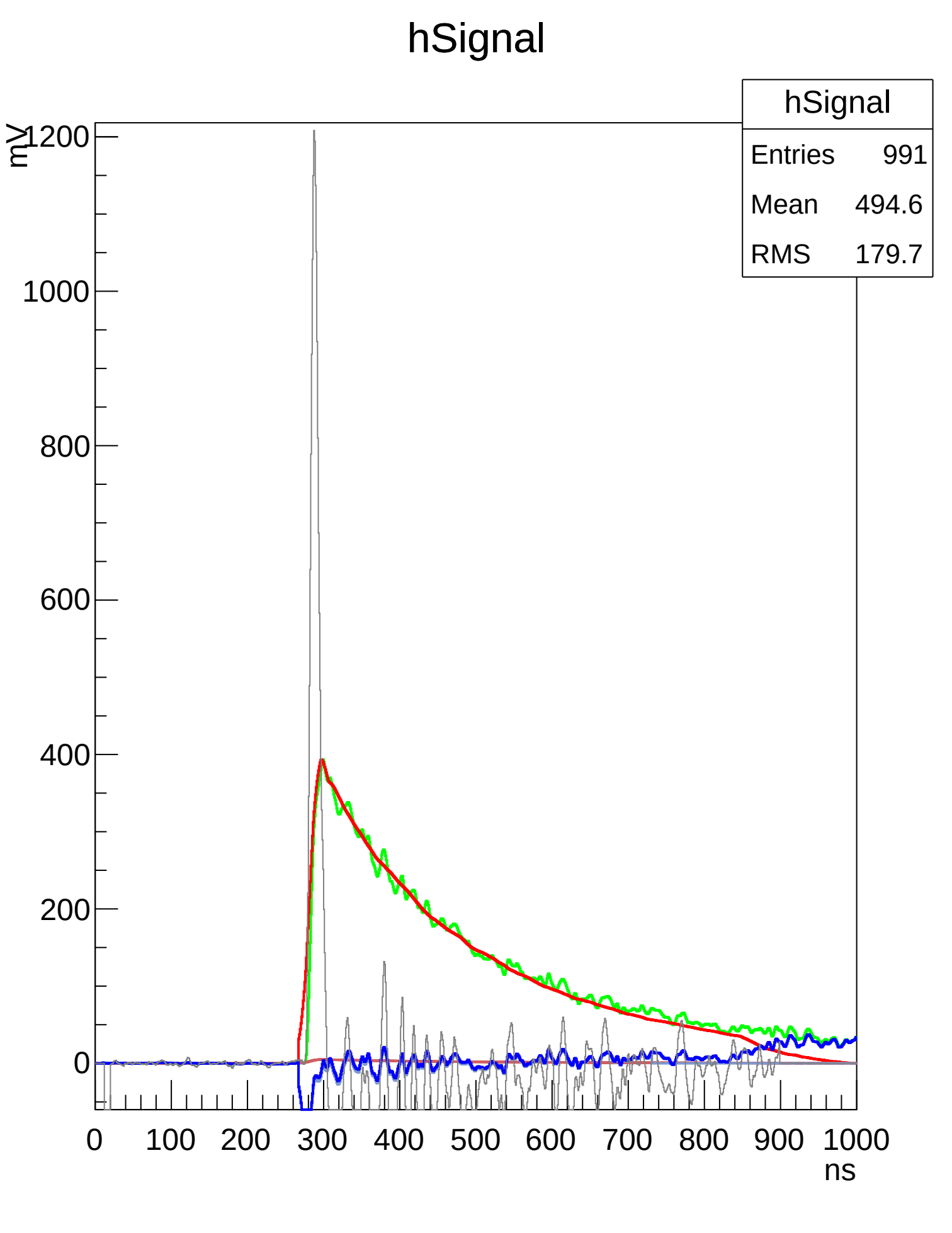

hSignal
hSignal
Entries 991
Mean 496.7
RMS 181.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

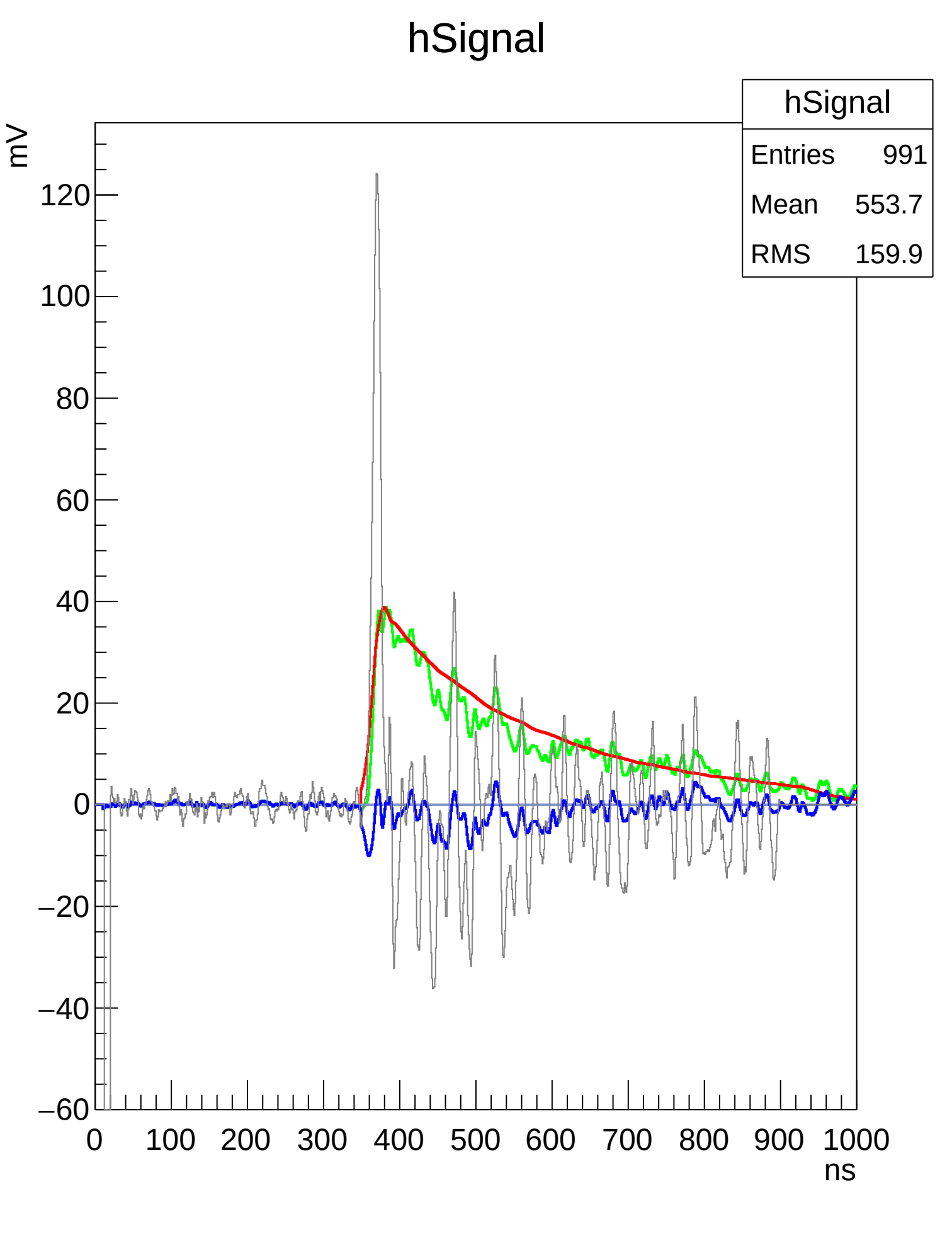

hSignal
hSignal
Entries 991
Mean 552.6
RMS 169.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

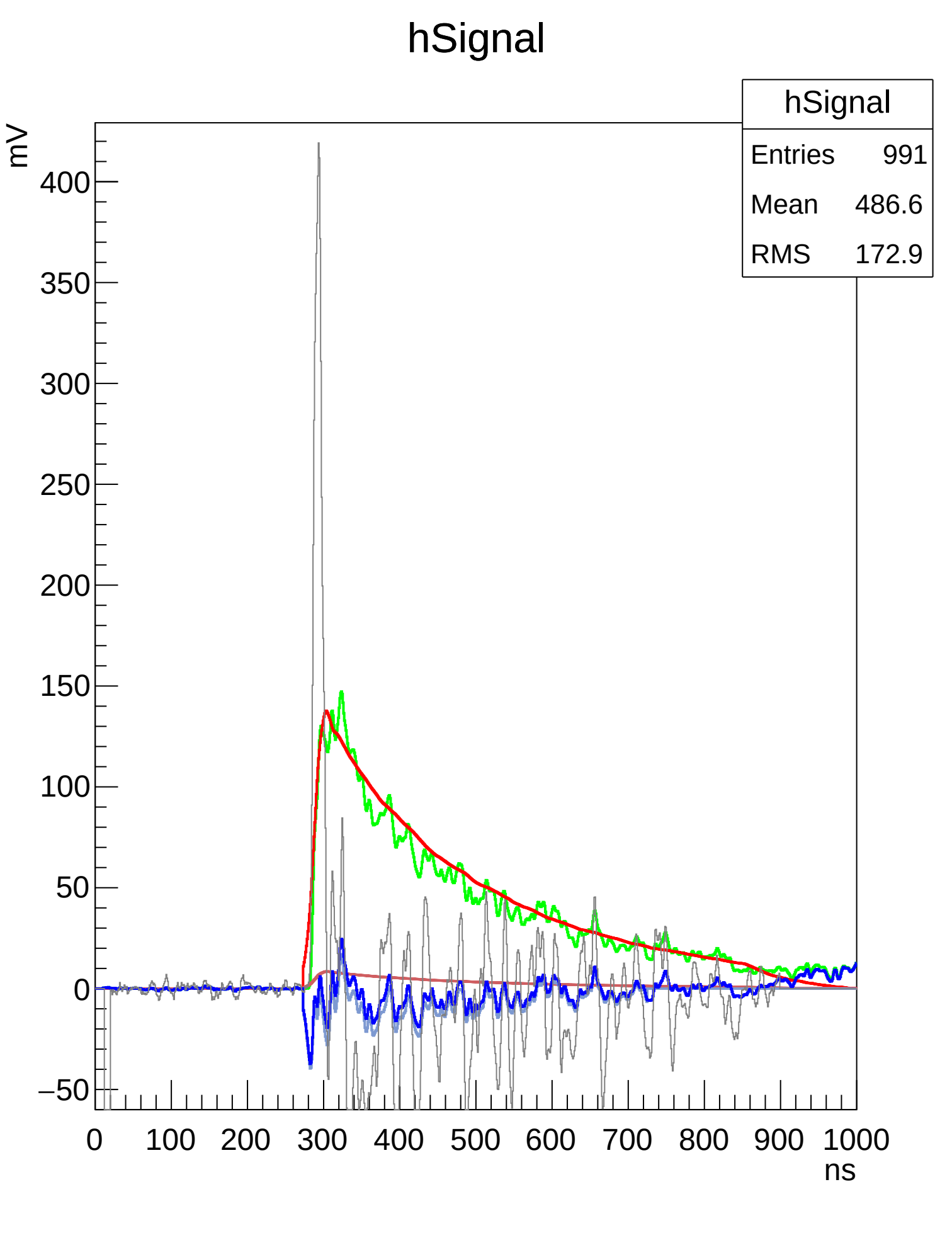

hSignal
hSignal
Entries 991
Mean 568.8
RMS 159
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

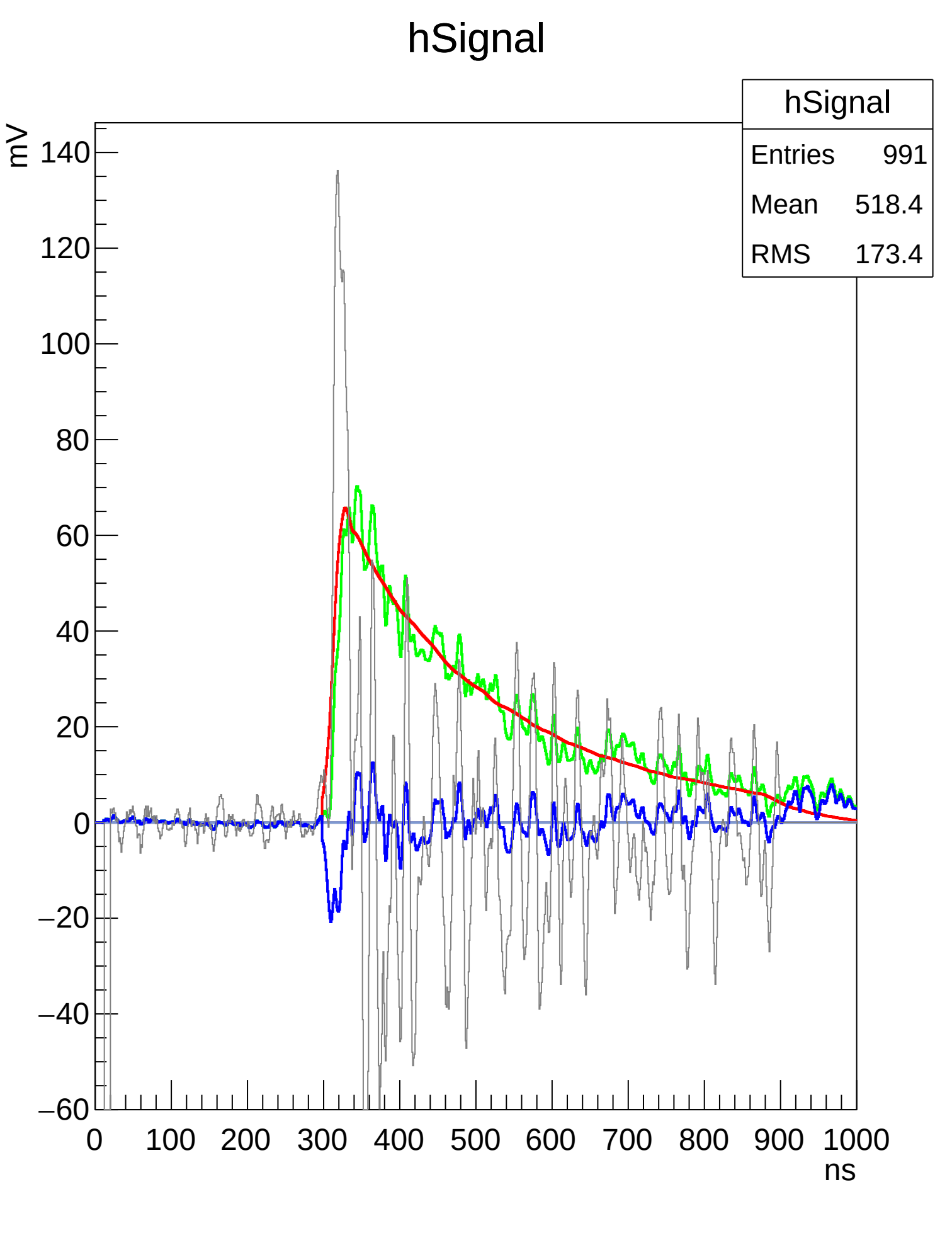

hSignal
hSignal
Entries 991
Mean 560.2
RMS 163.3
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

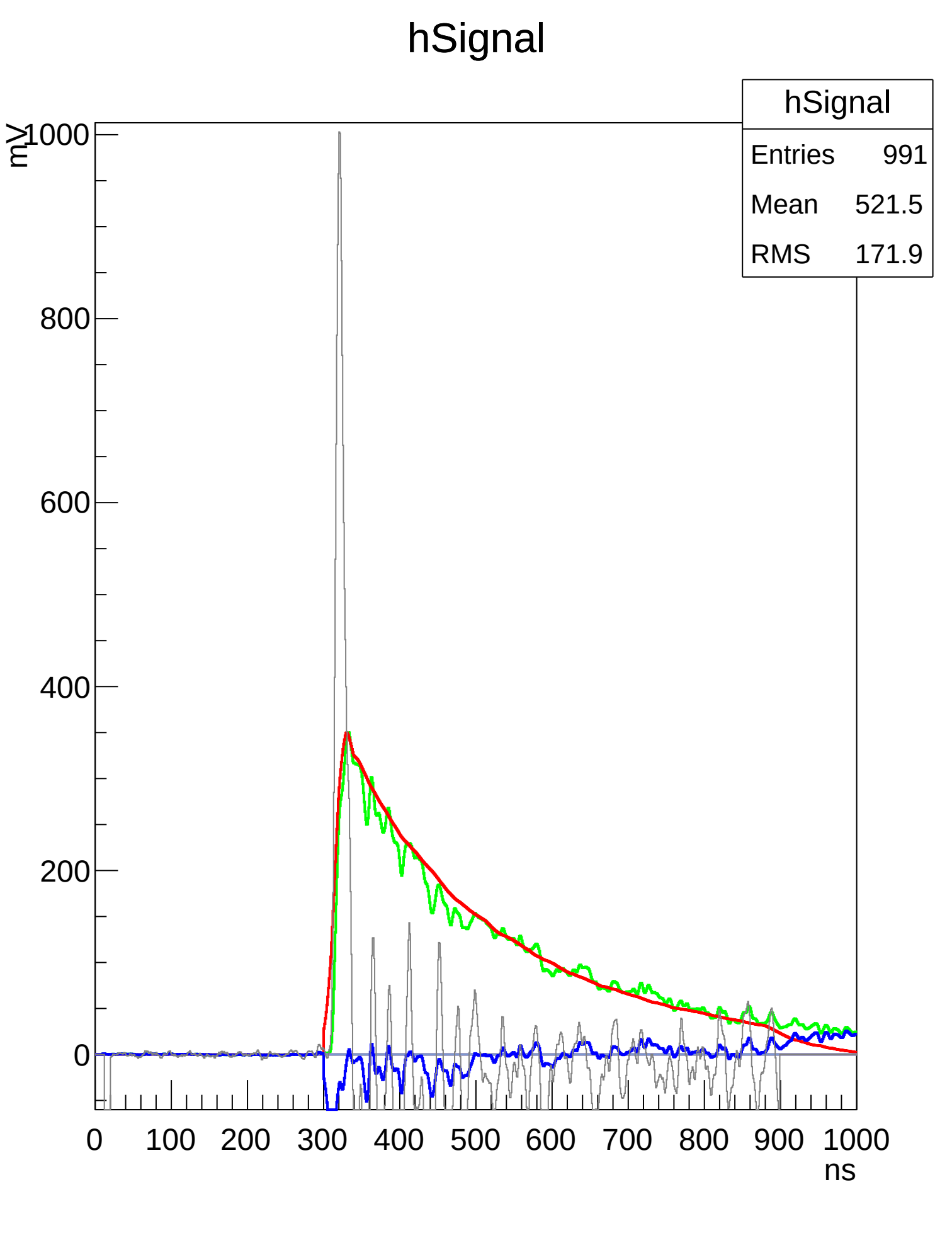

hSignal
hSignal
Entries 991
Mean 495
RMS 178.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

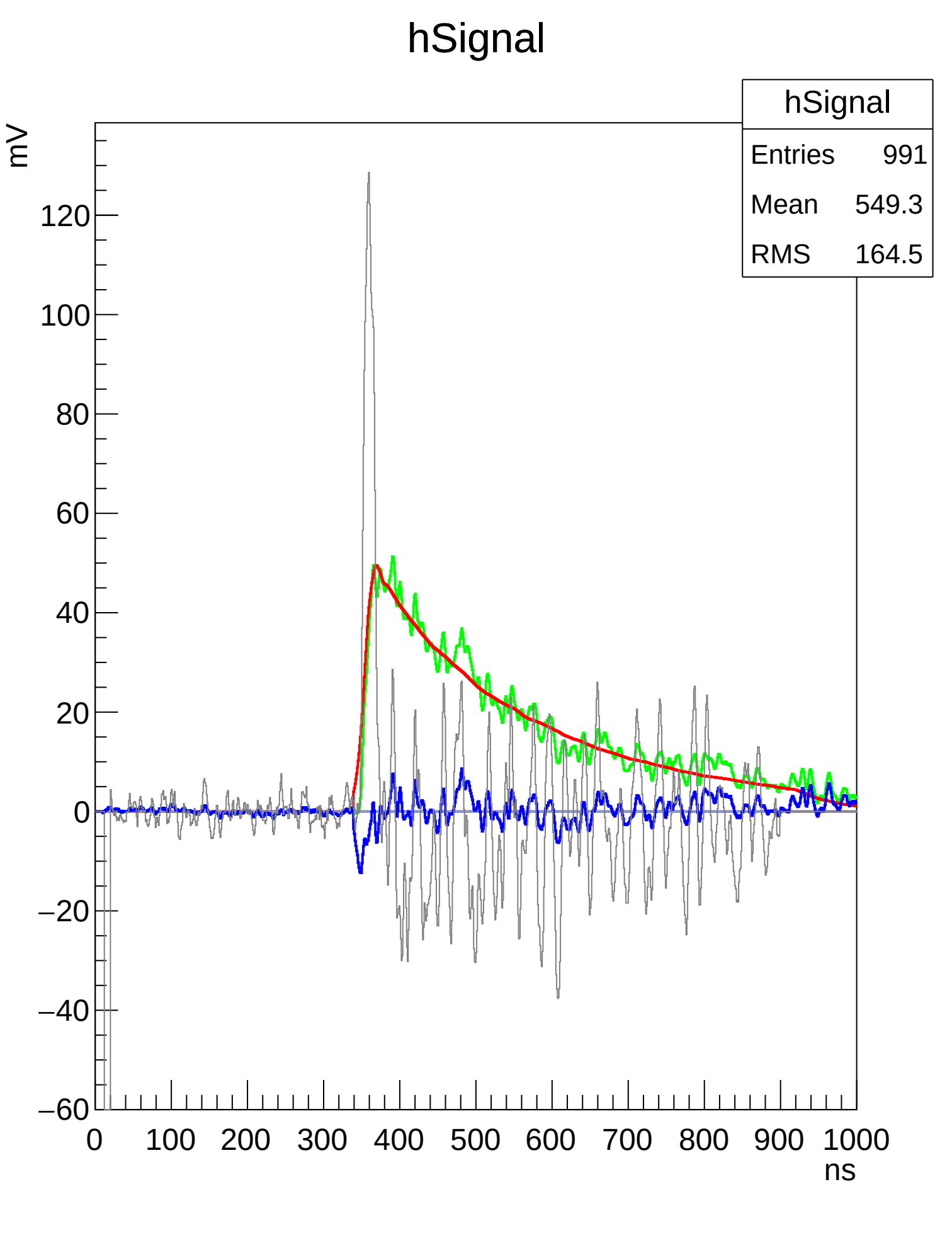

hSignal
hSignal
Entries 991
Mean 494.6
RMS 179.7
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

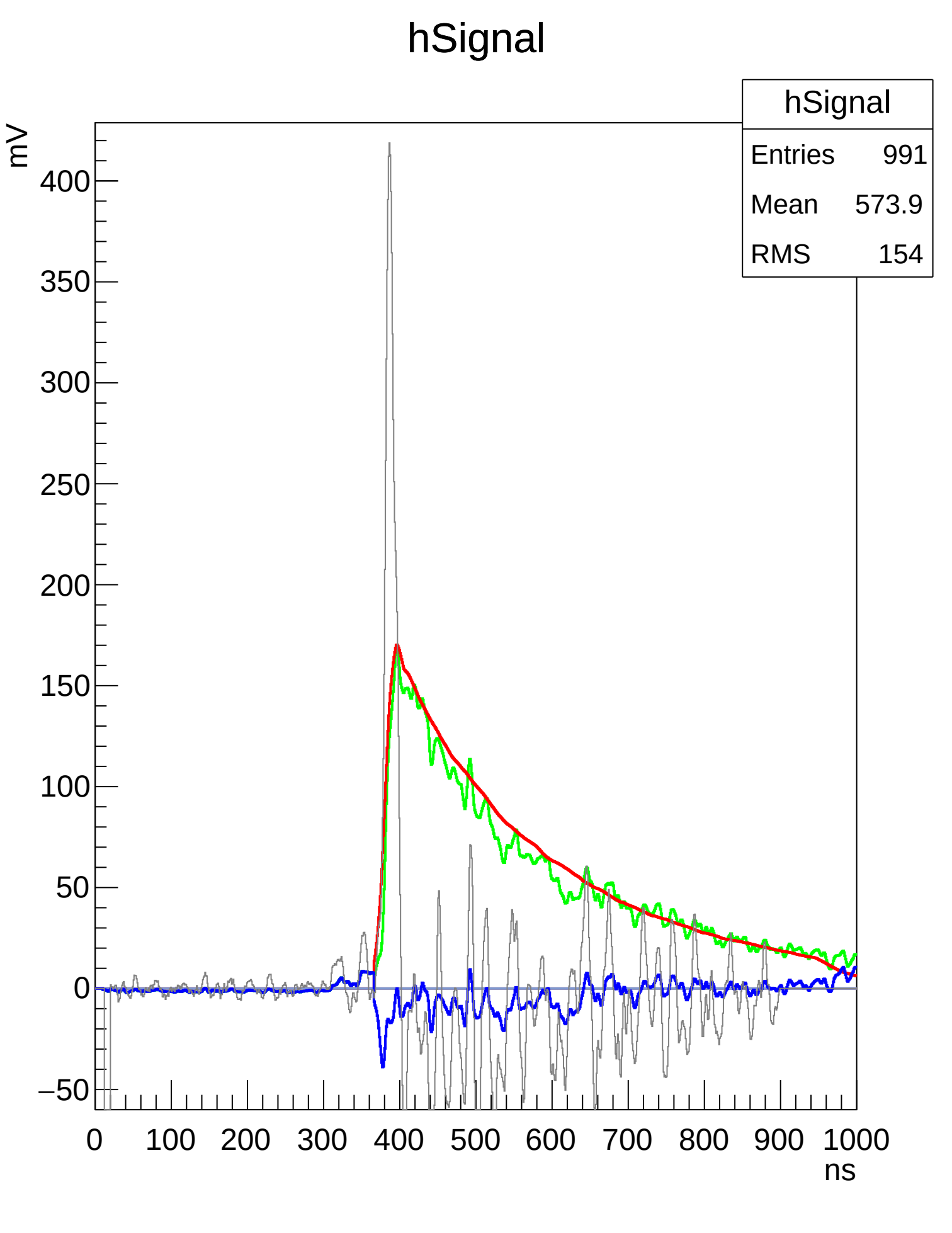

hSignal
hSignal
Entries 991
Mean 553.7
RMS 159.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

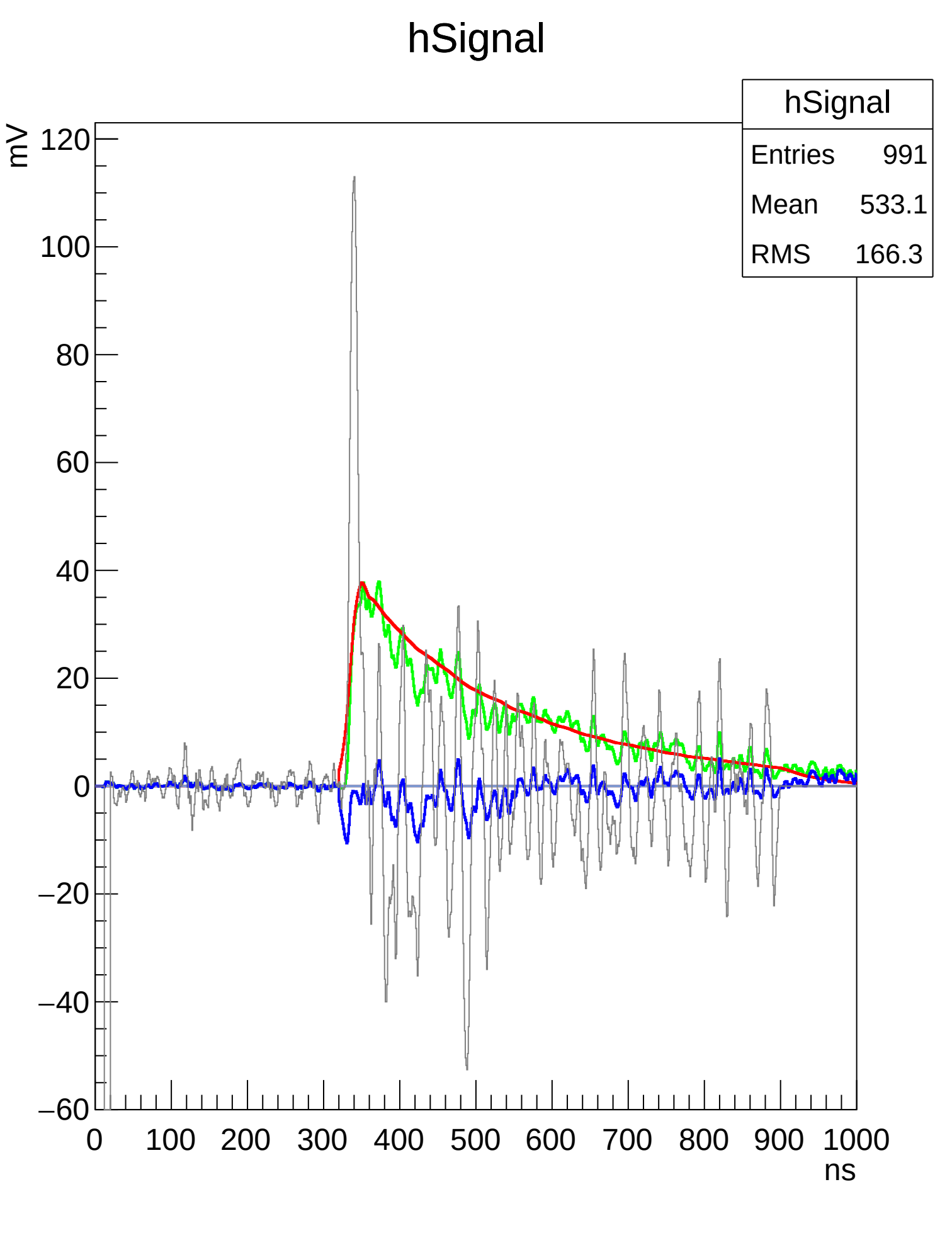

hSignal
hSignal
Entries 991
Mean 486.6
RMS 172.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

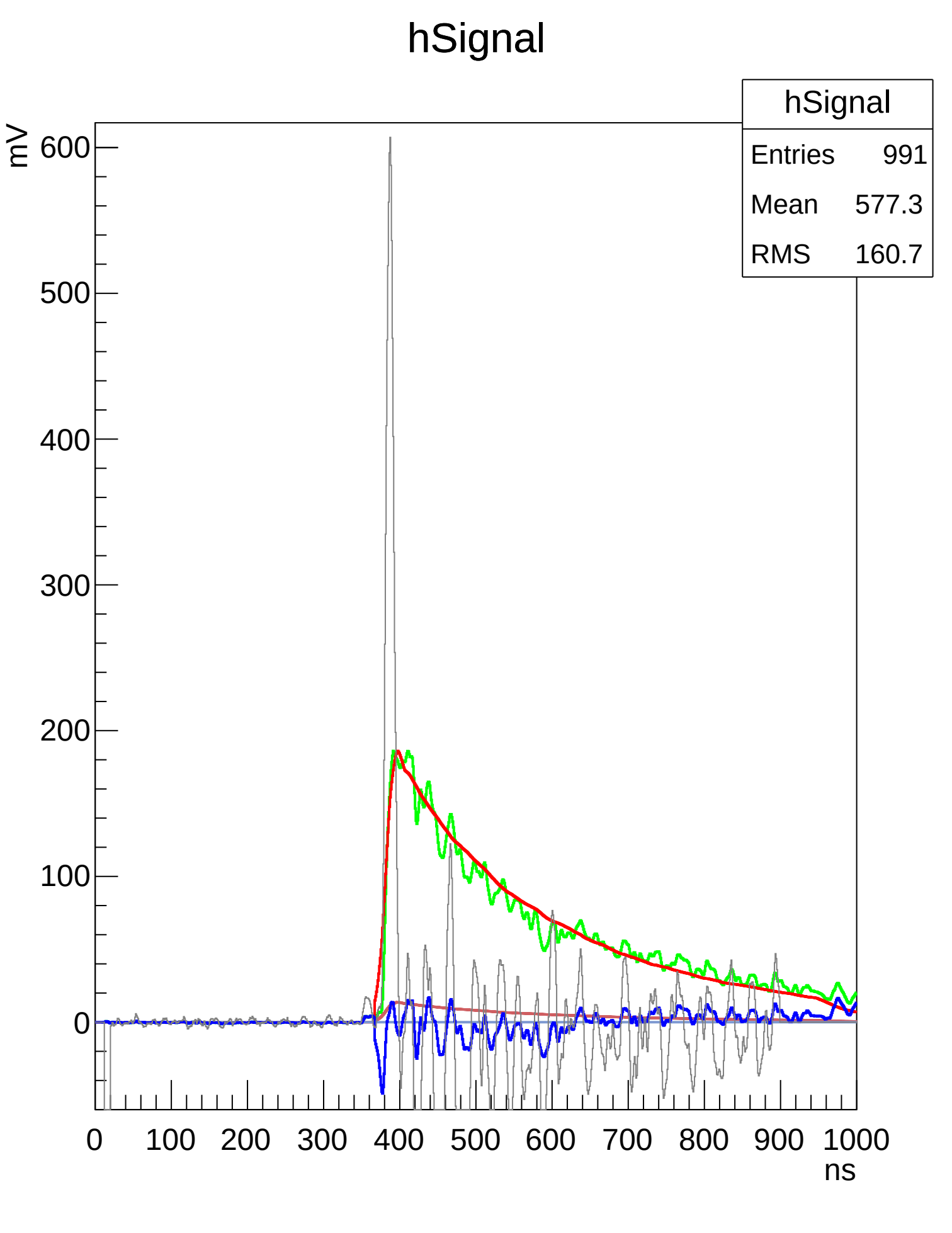

hSignal
hSignal
Entries 991
Mean 518.4
RMS 173.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

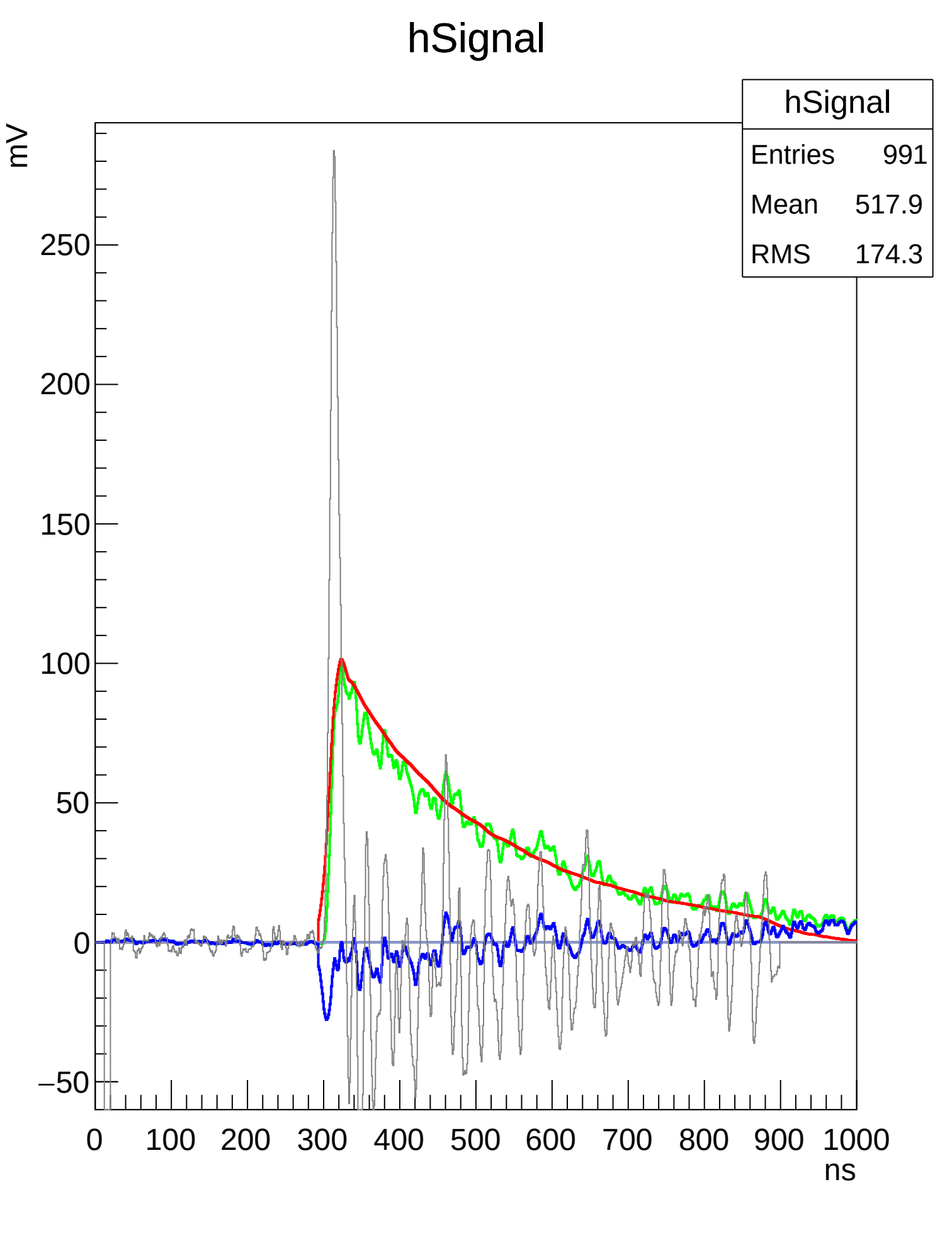

hSignal
hSignal
Entries 991
Mean 521.5
RMS 171.9
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

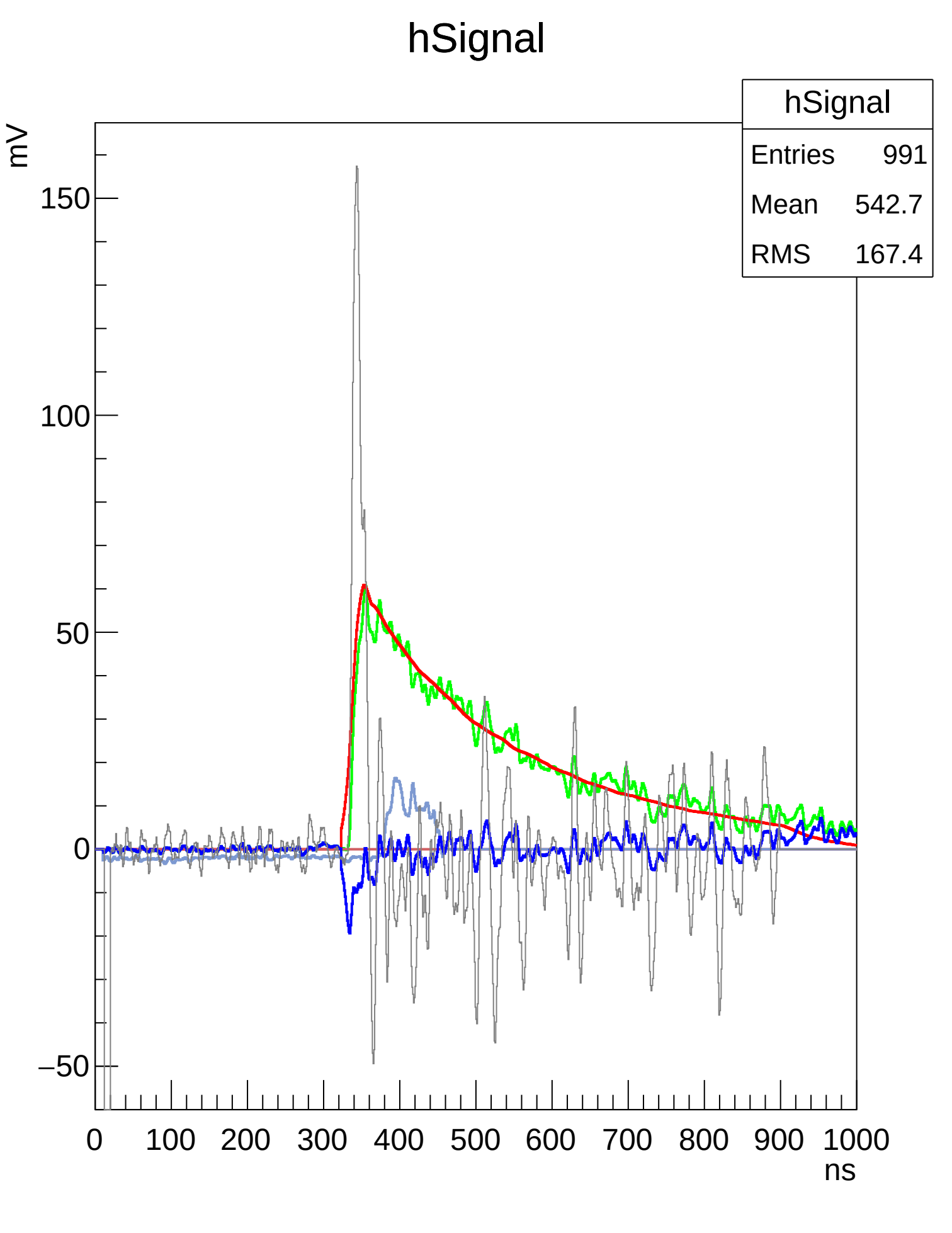

hSignal
hSignal
Entries 991
Mean 549.3
RMS 164.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

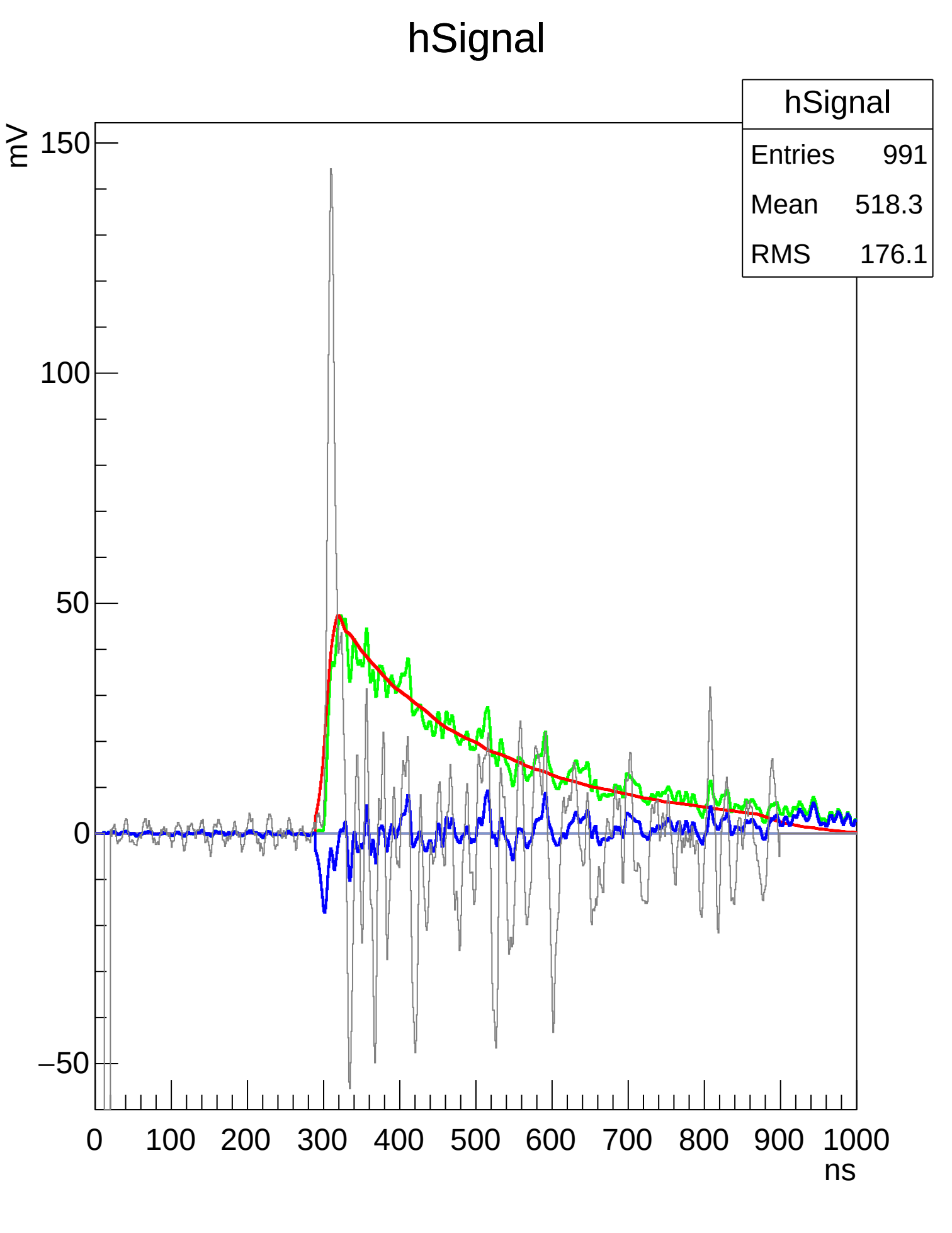

hSignal
hSignal
Entries 991
Mean 573.9
RMS 154
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

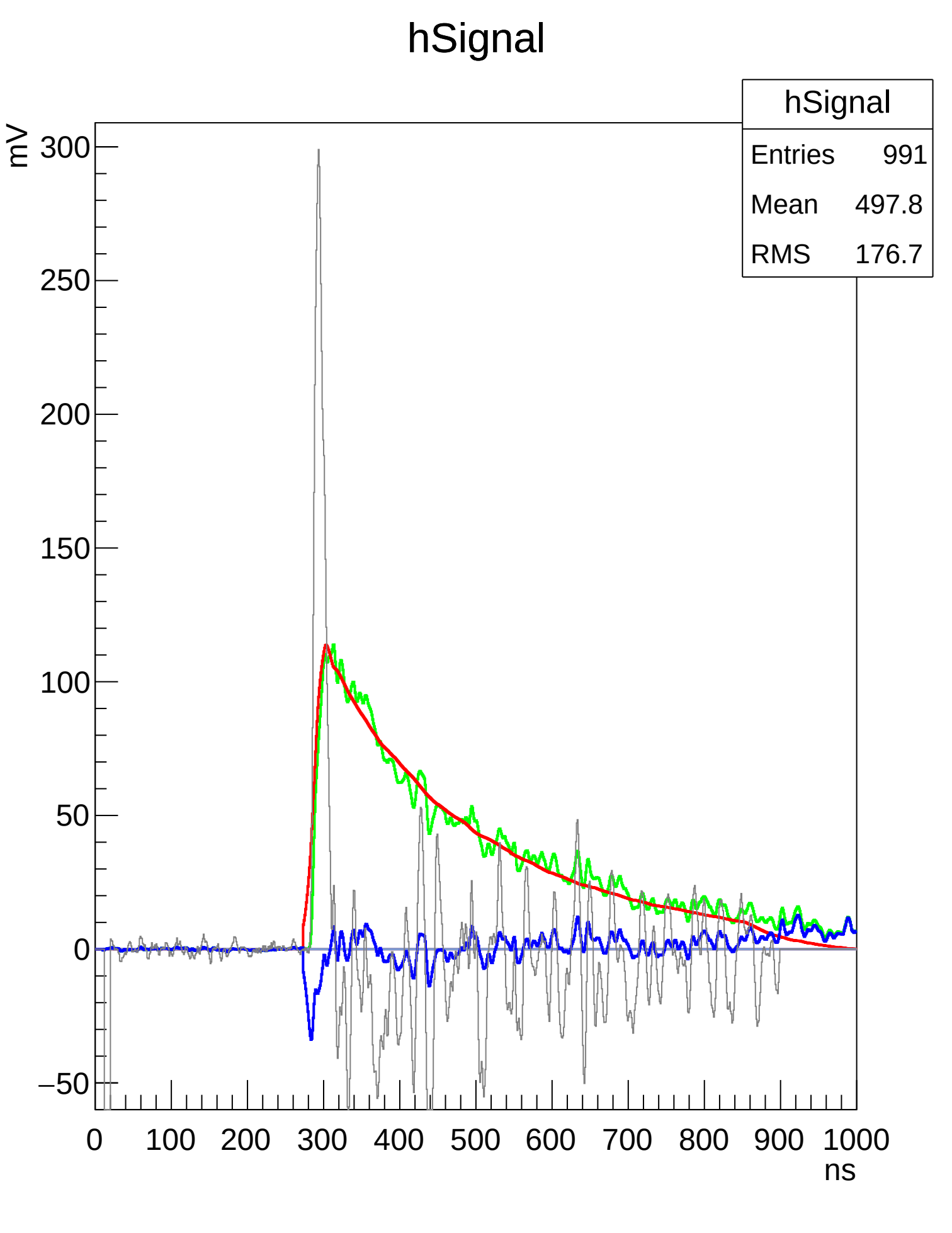

hSignal
hSignal
Entries 991
Mean 533.1
RMS 166.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

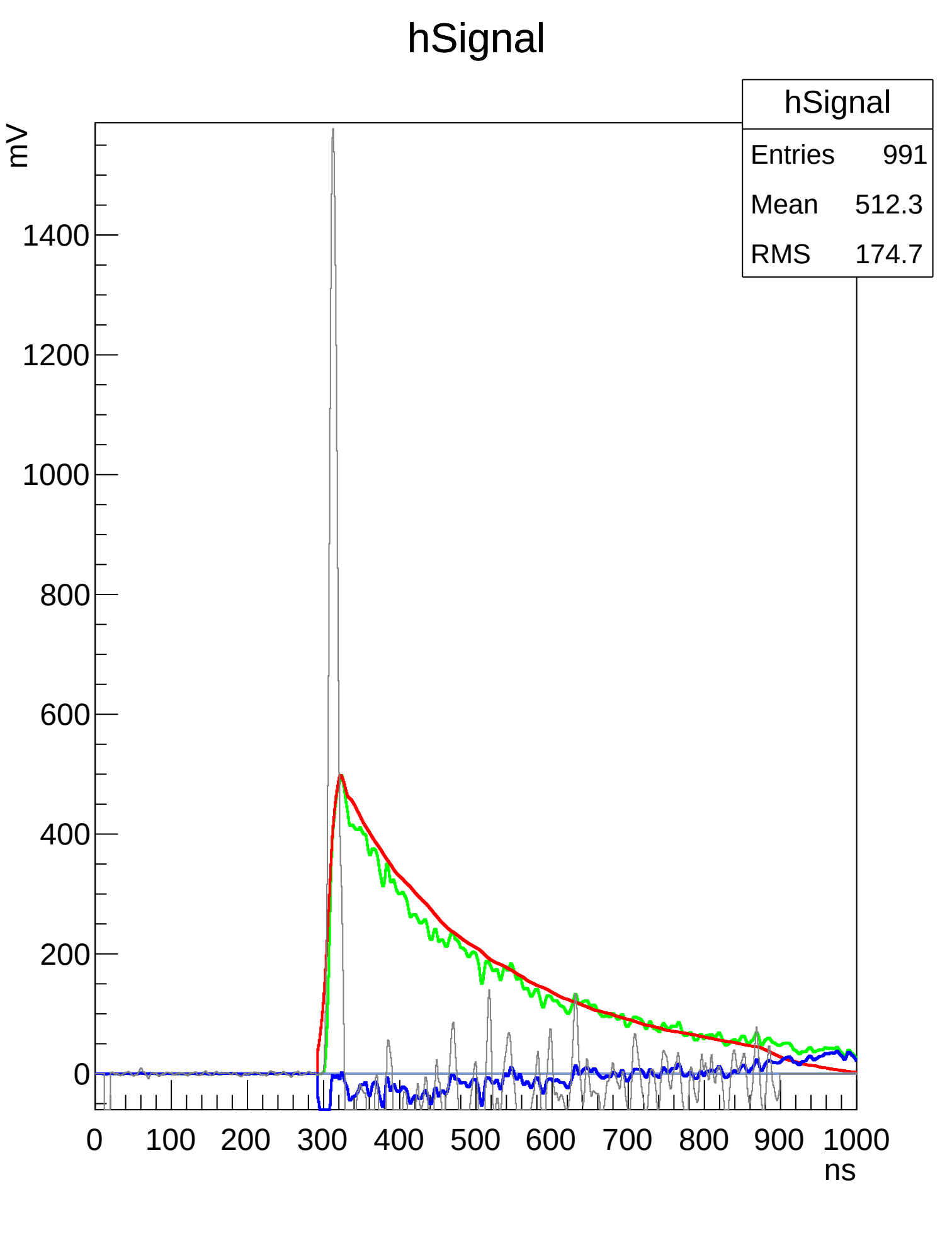

hSignal
hSignal
Entries 991
Mean 577.3
RMS 160.7
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

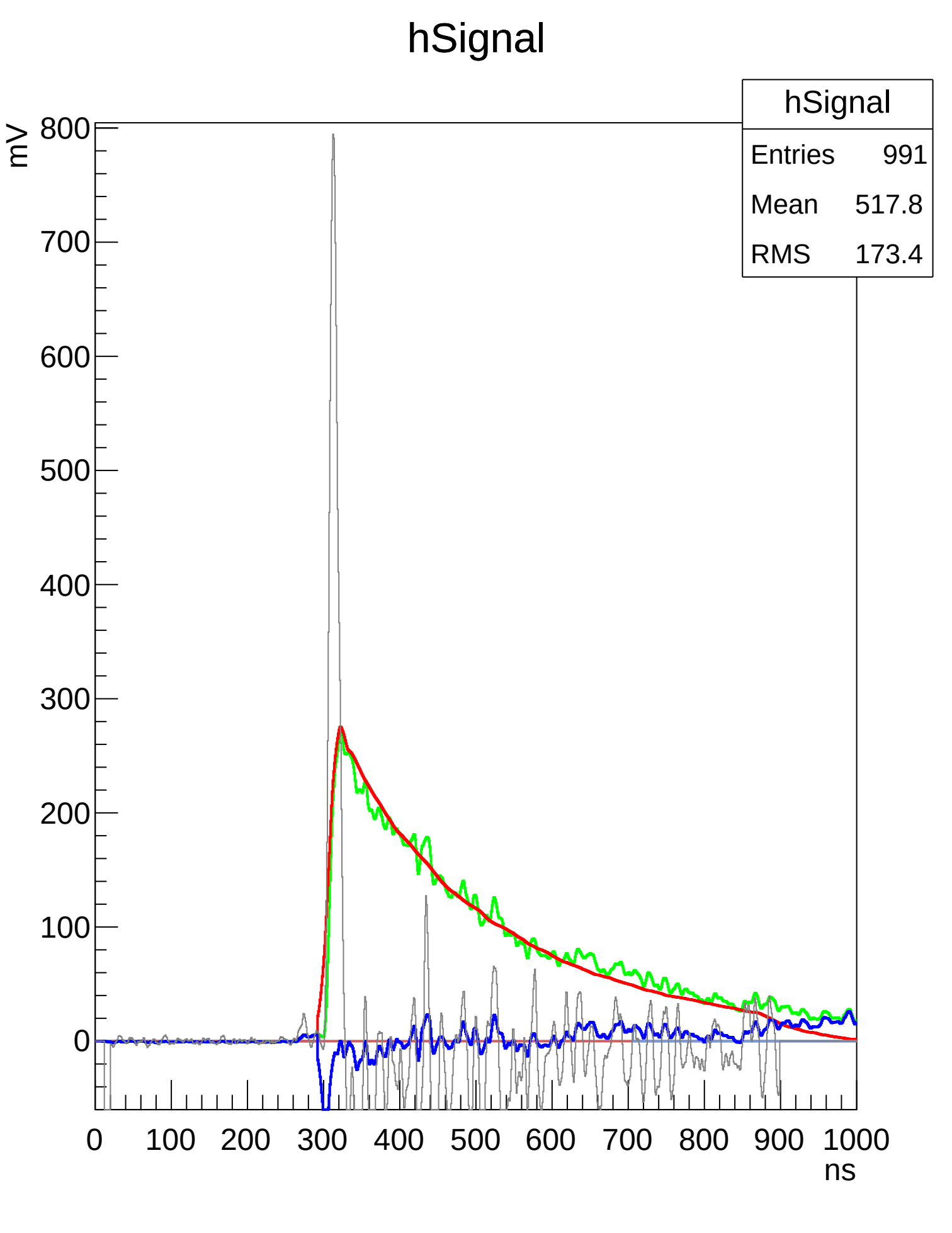

hSignal
hSignal
Entries 991
Mean 517.9
RMS 174.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

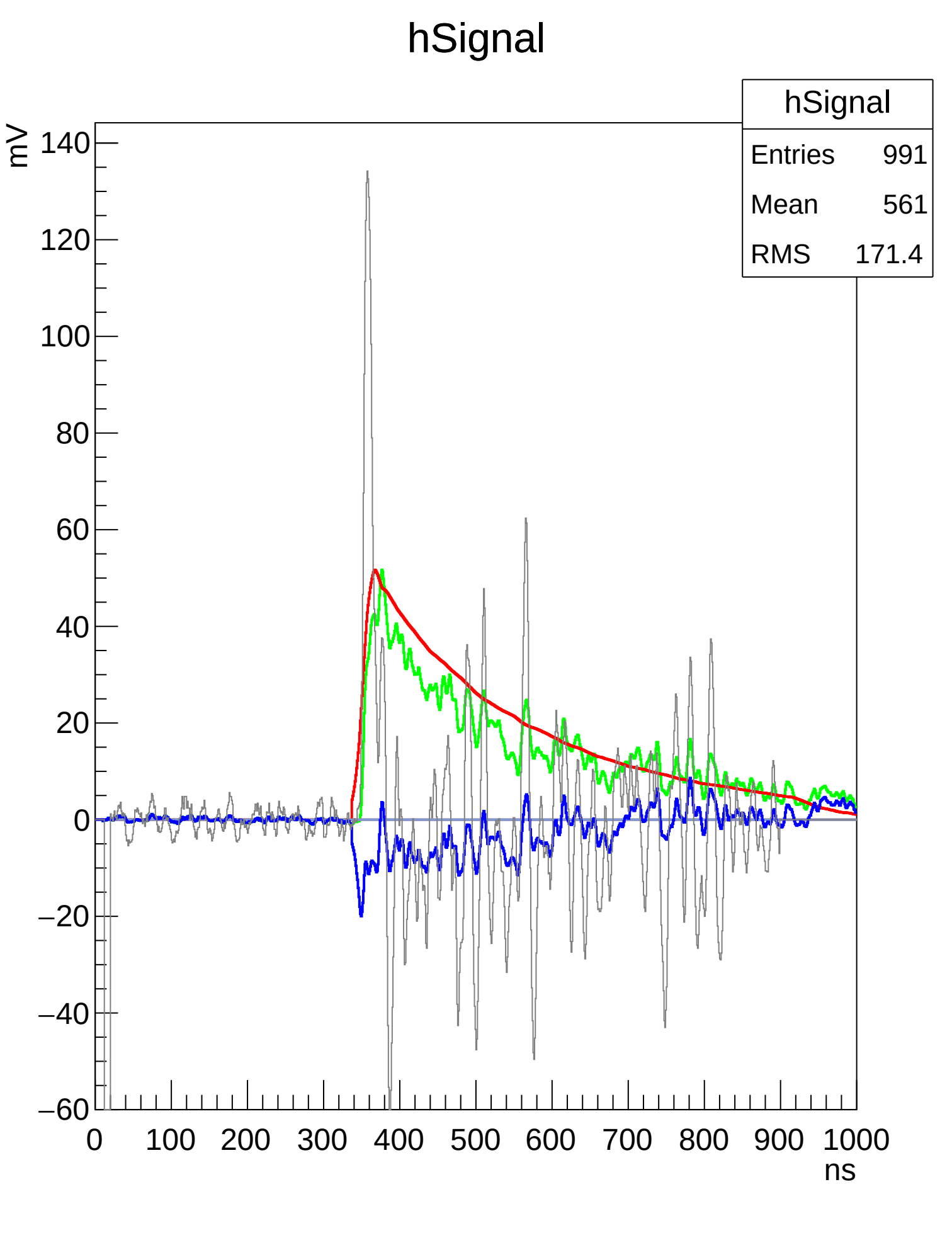

hSignal
hSignal
Entries 991
Mean 542.7
RMS 167.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

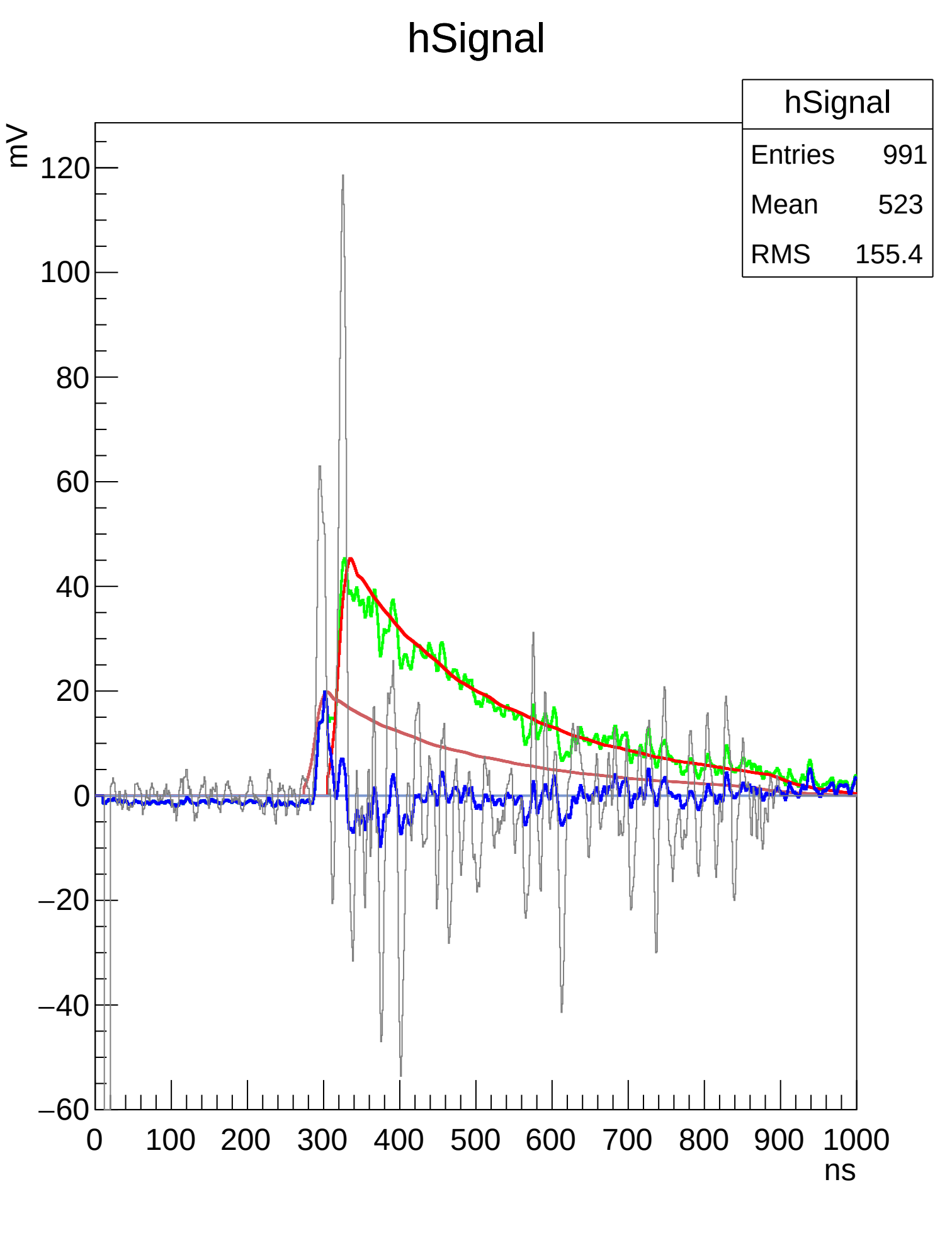

hSignal
hSignal
Entries 991
Mean 518.3
RMS 176.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

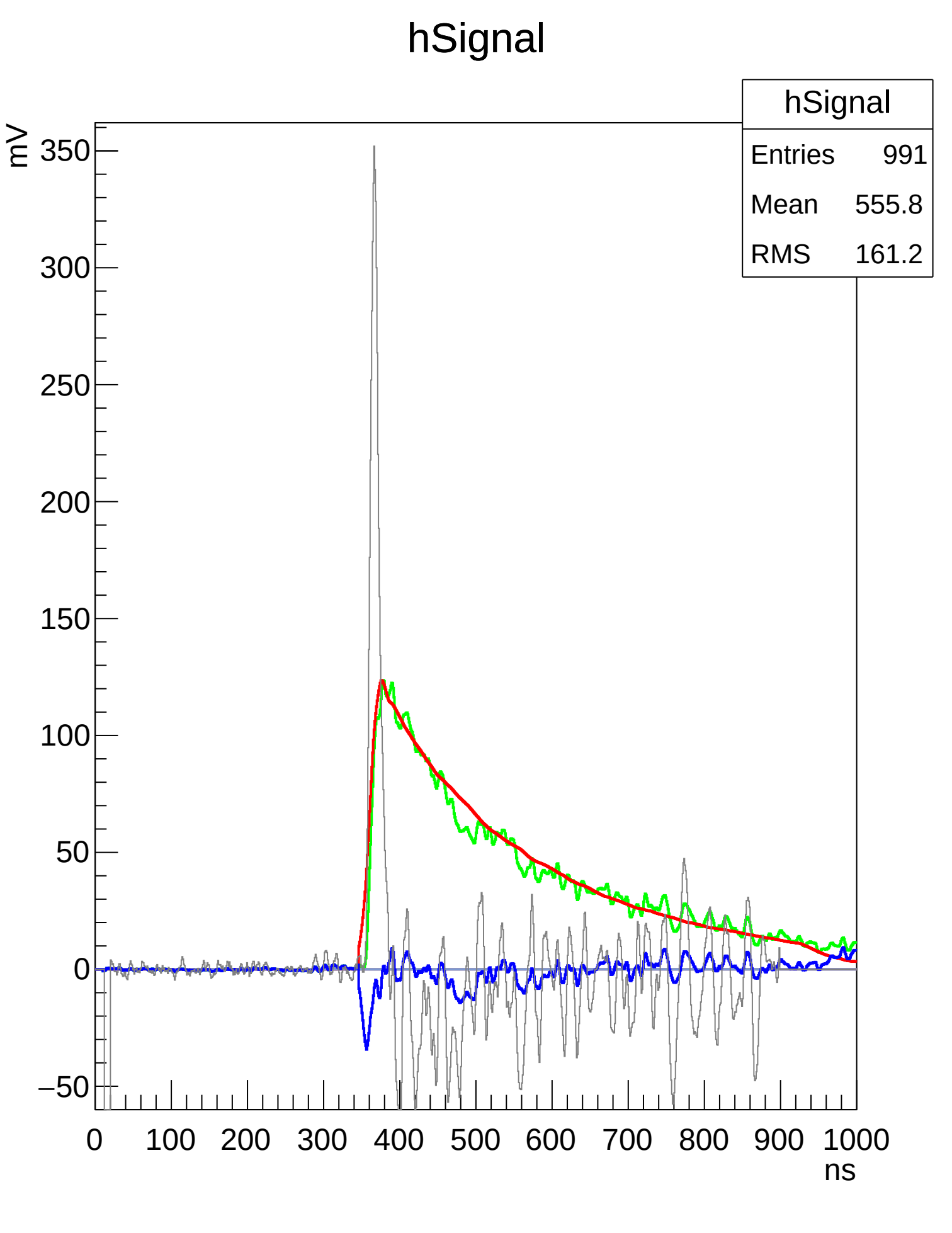

hSignal
hSignal
Entries 991
Mean 497.8
RMS 176.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

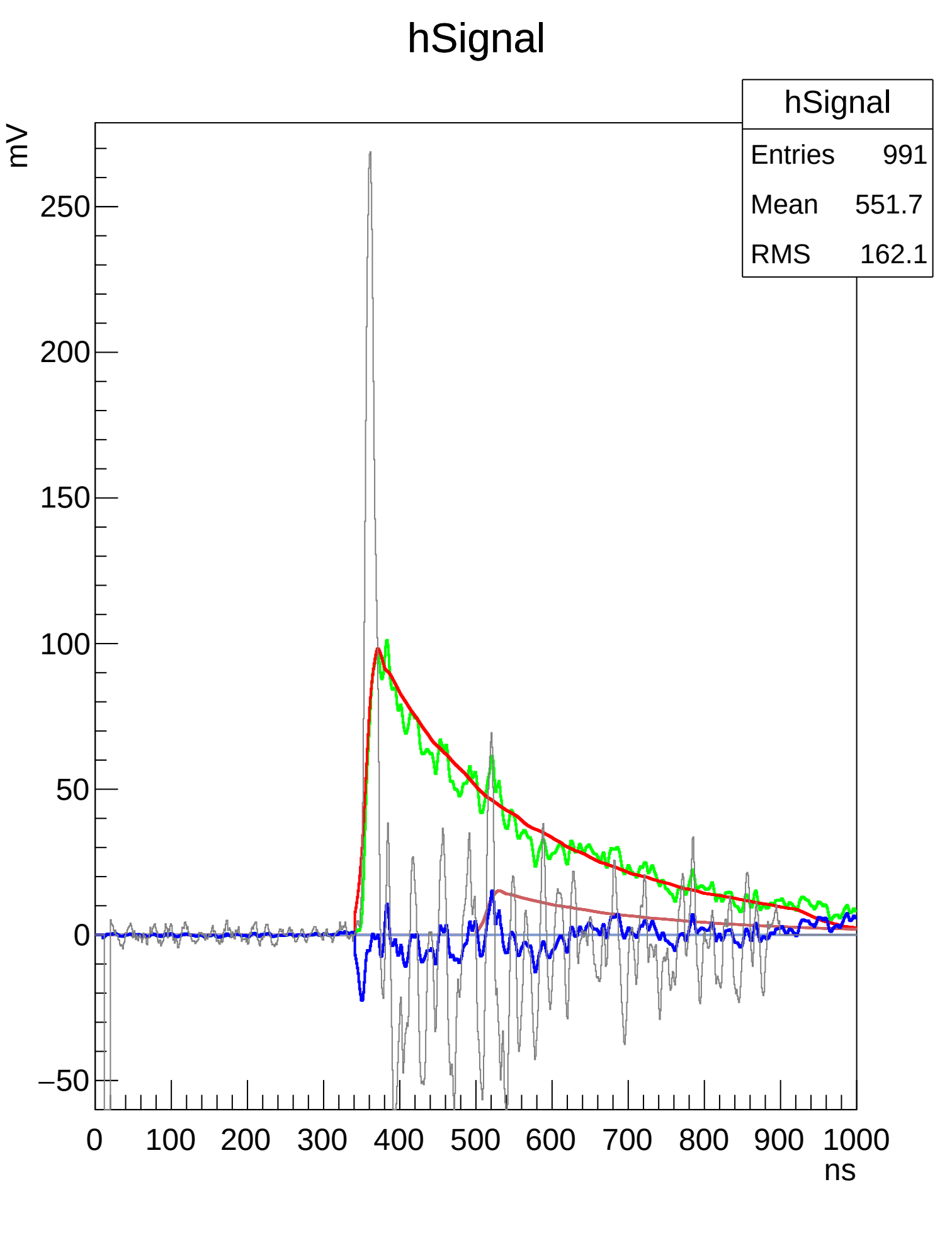

hSignal
hSignal
Entries 991
Mean 512.3
RMS 174.7
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

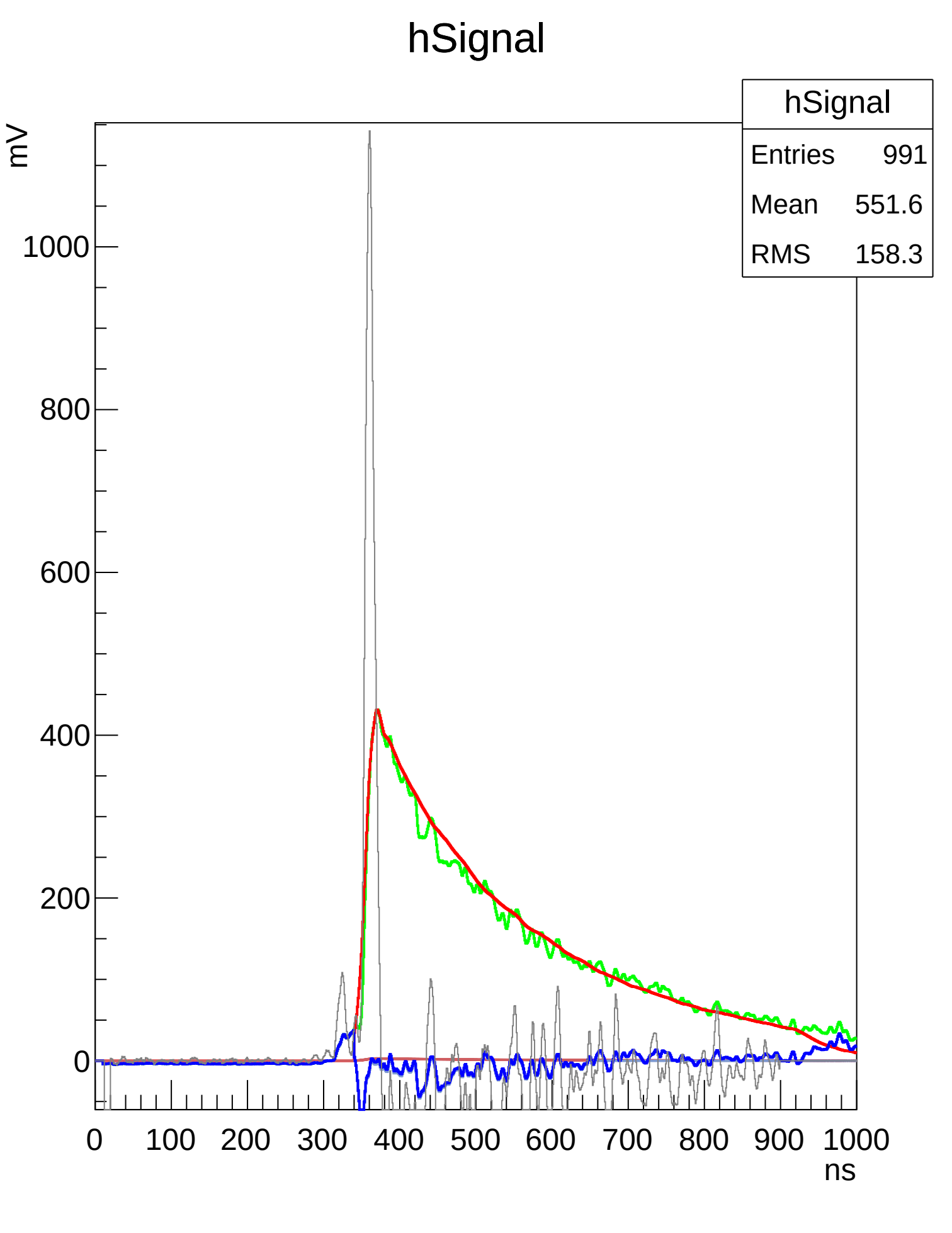

hSignal
hSignal
Entries 991
Mean 517.8
RMS 173.4
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

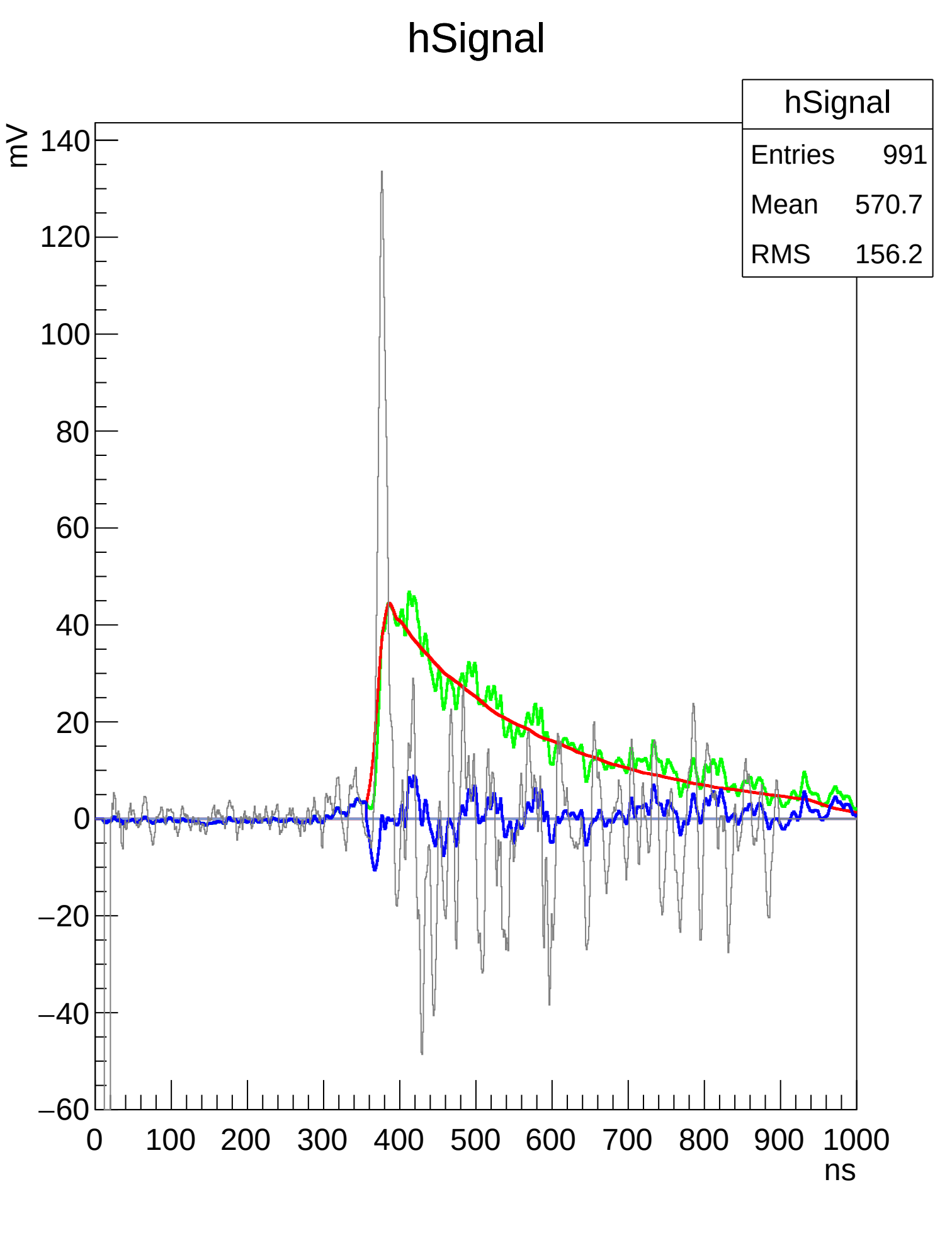

hSignal
hSignal
Entries 991
Mean 561
RMS 171.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

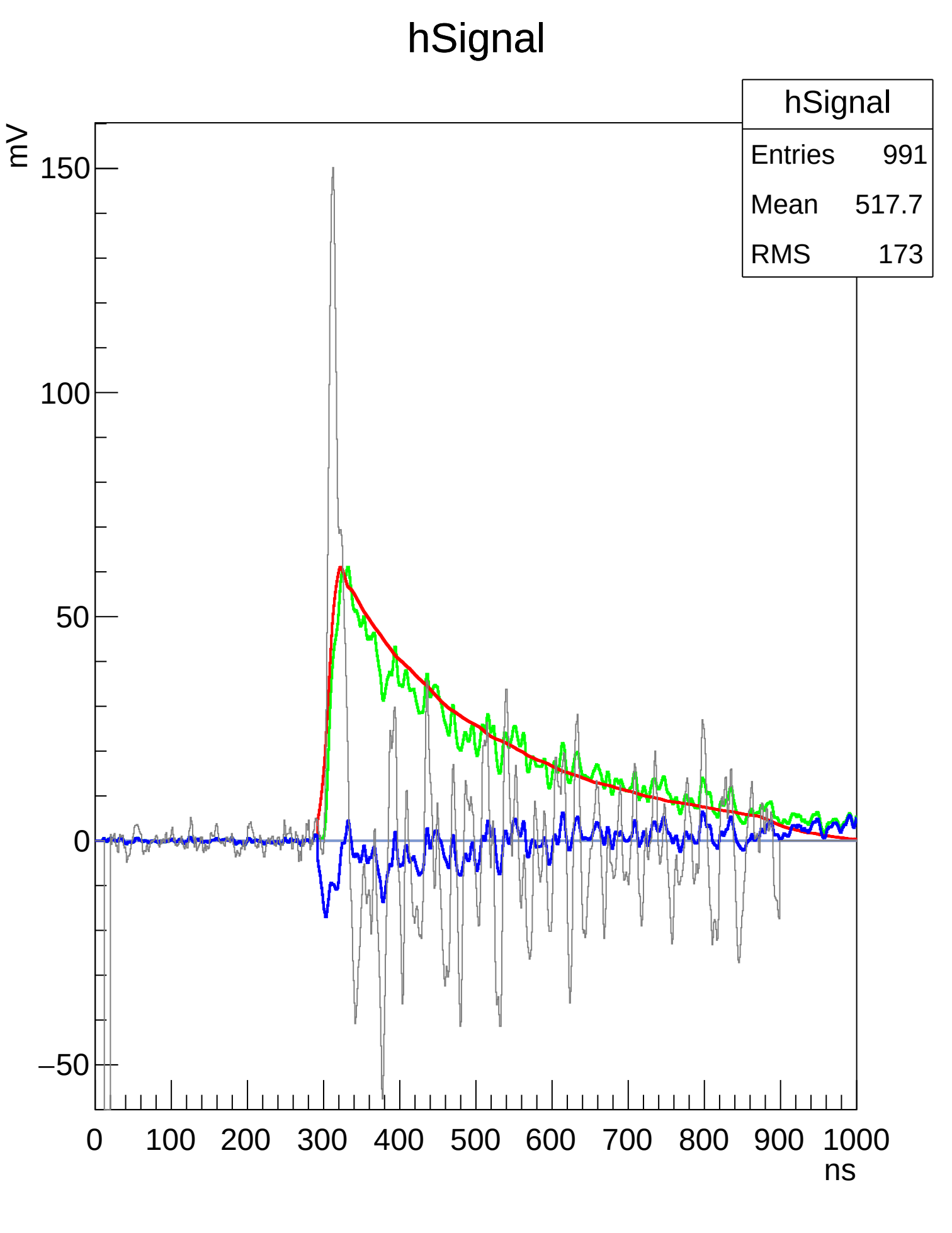

hSignal
hSignal
Entries 991
Mean 523
RMS 155.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

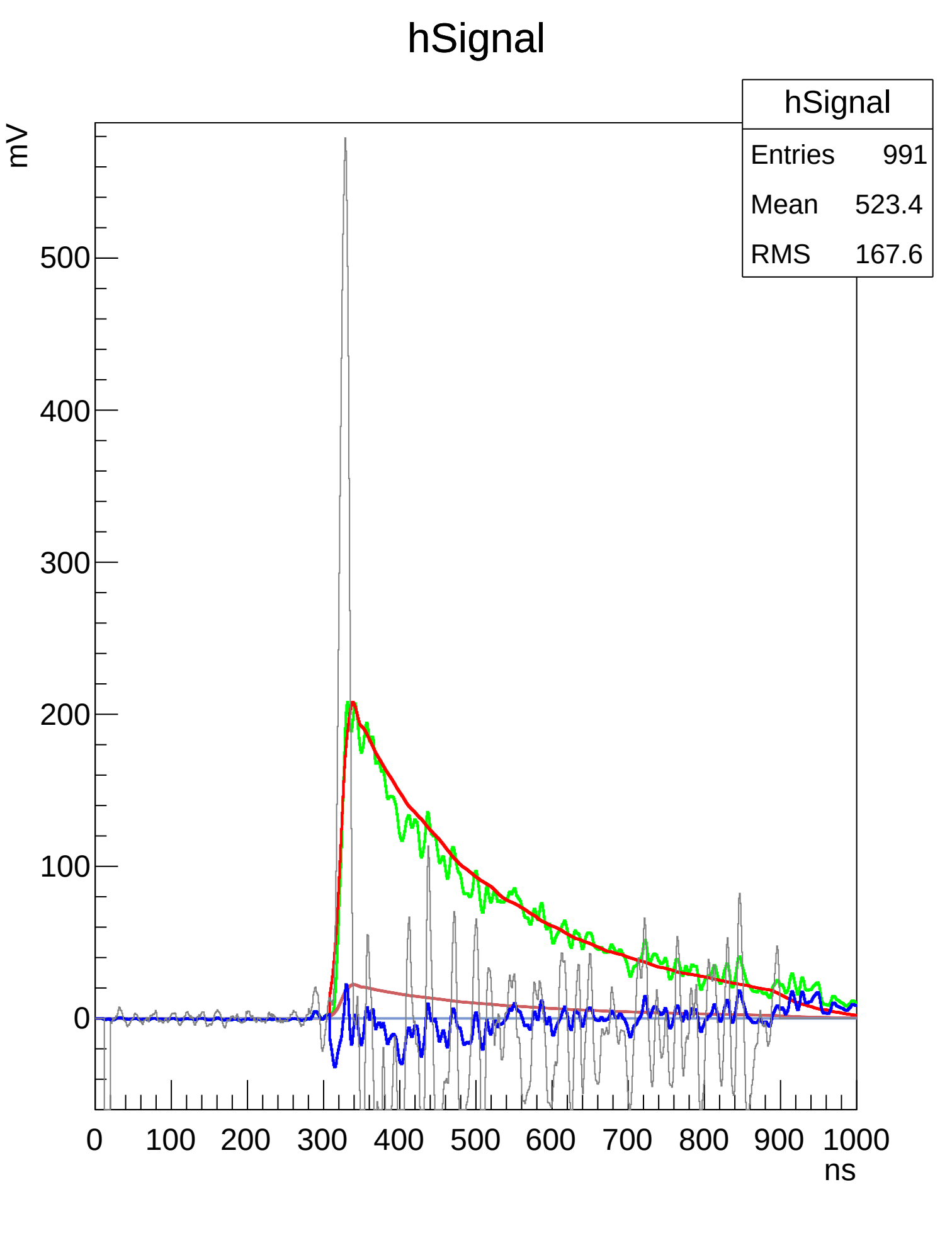

hSignal
hSignal
Entries 991
Mean 555.8
RMS 161.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

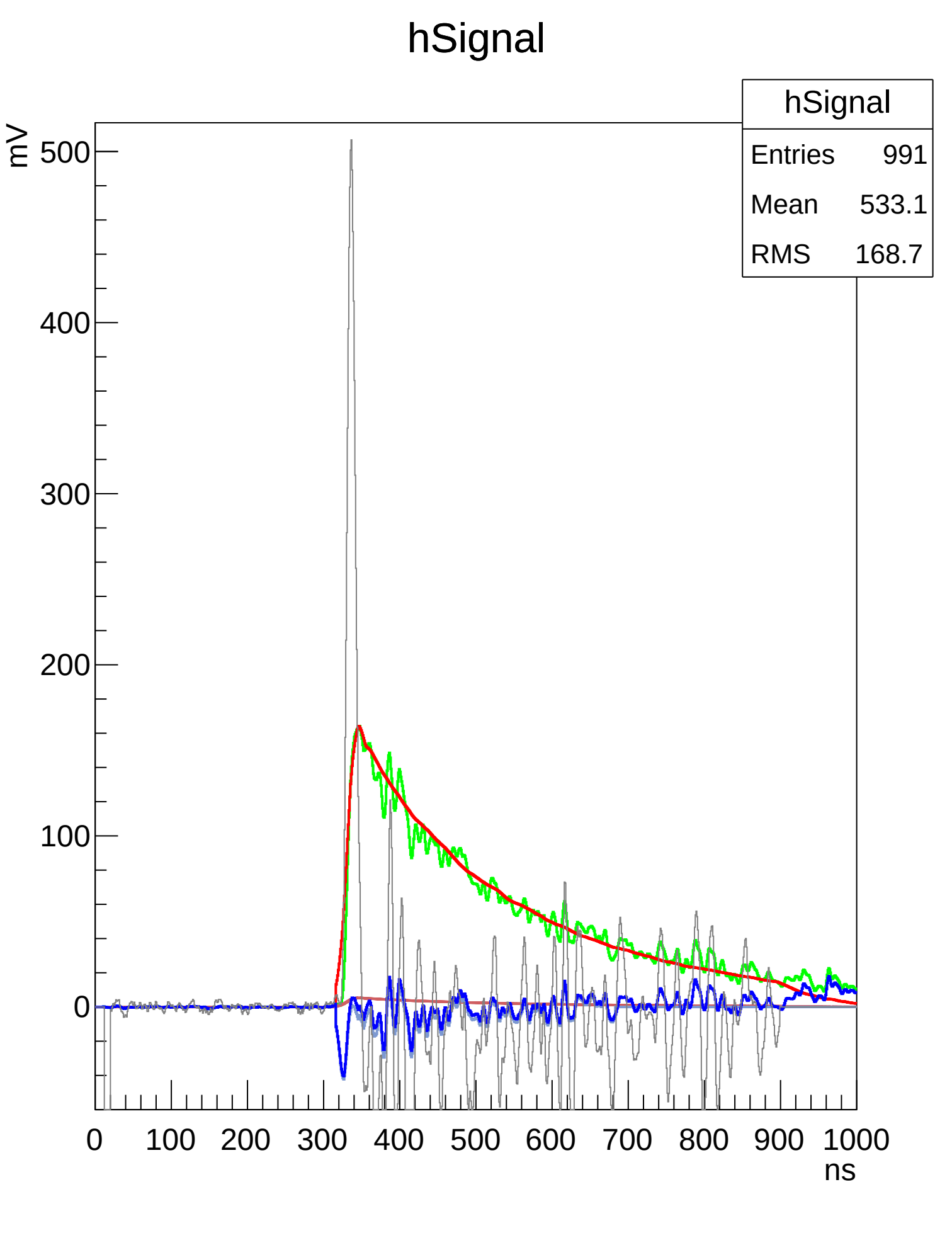

hSignal
hSignal
Entries 991
Mean 551.7
RMS 162.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

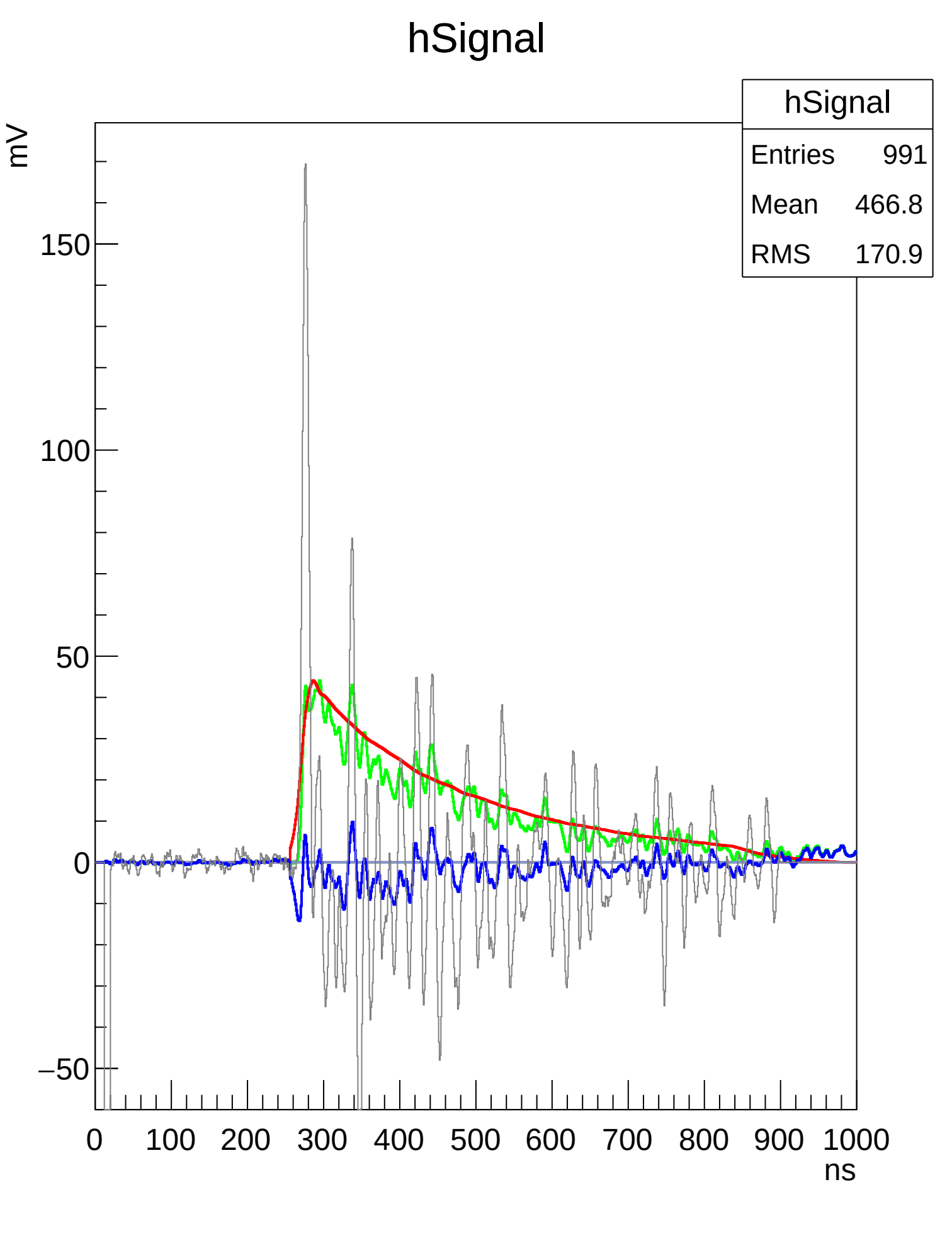

hSignal
hSignal
Entries 991
Mean 551.6
RMS 158.3
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

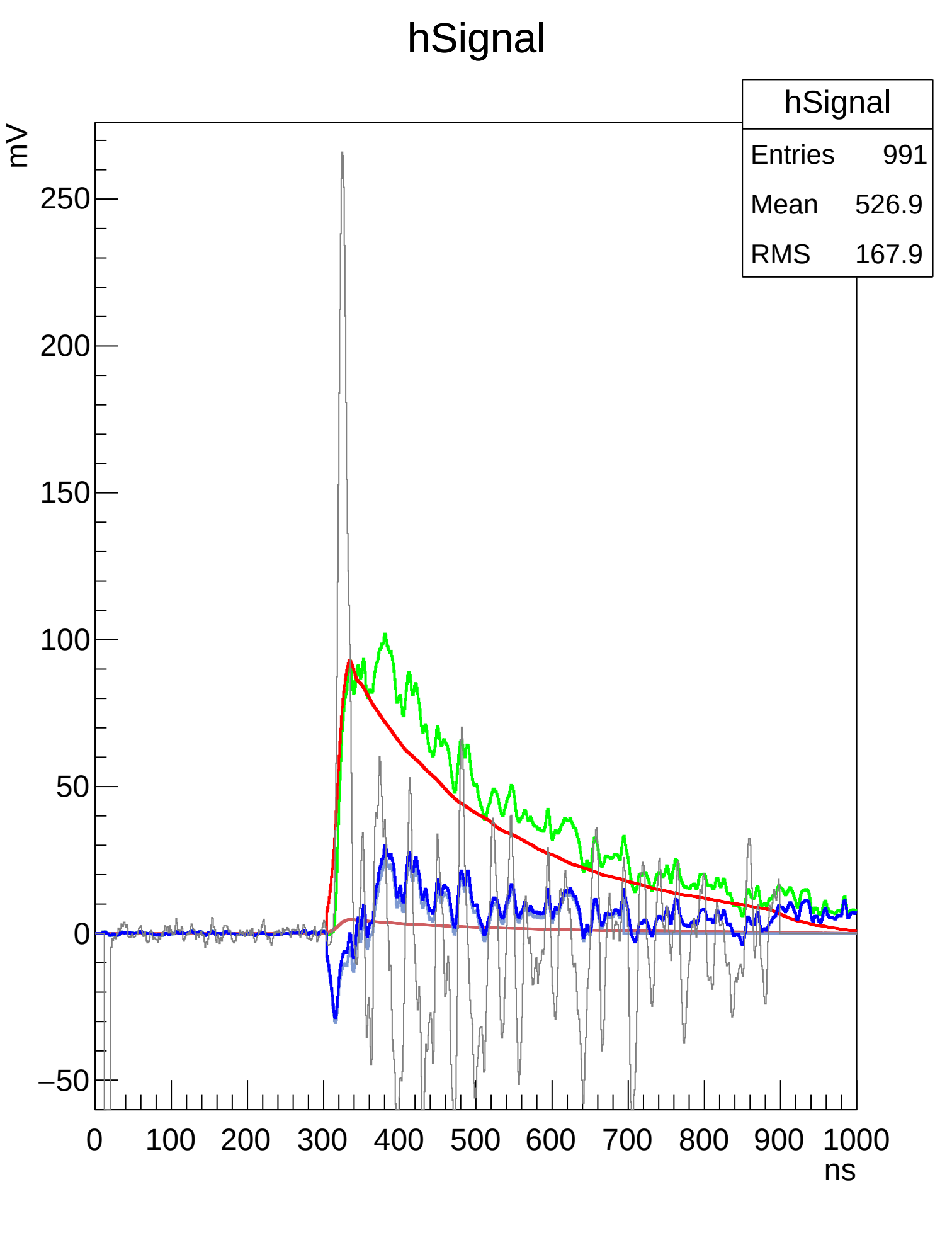

hSignal
hSignal
Entries 991
Mean 570.7
RMS 156.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

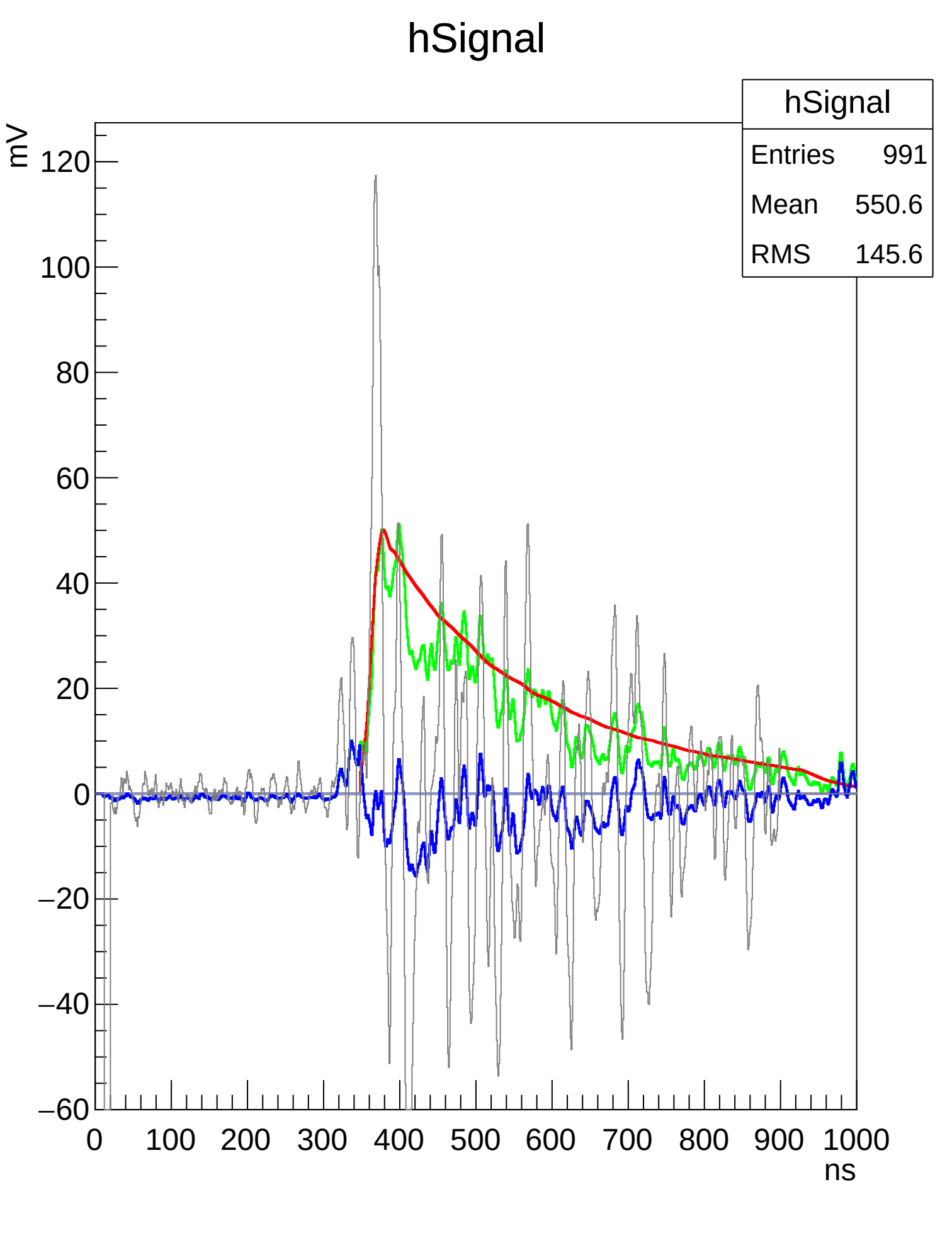

hSignal
hSignal
Entries 991
Mean 517.7
RMS 173
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

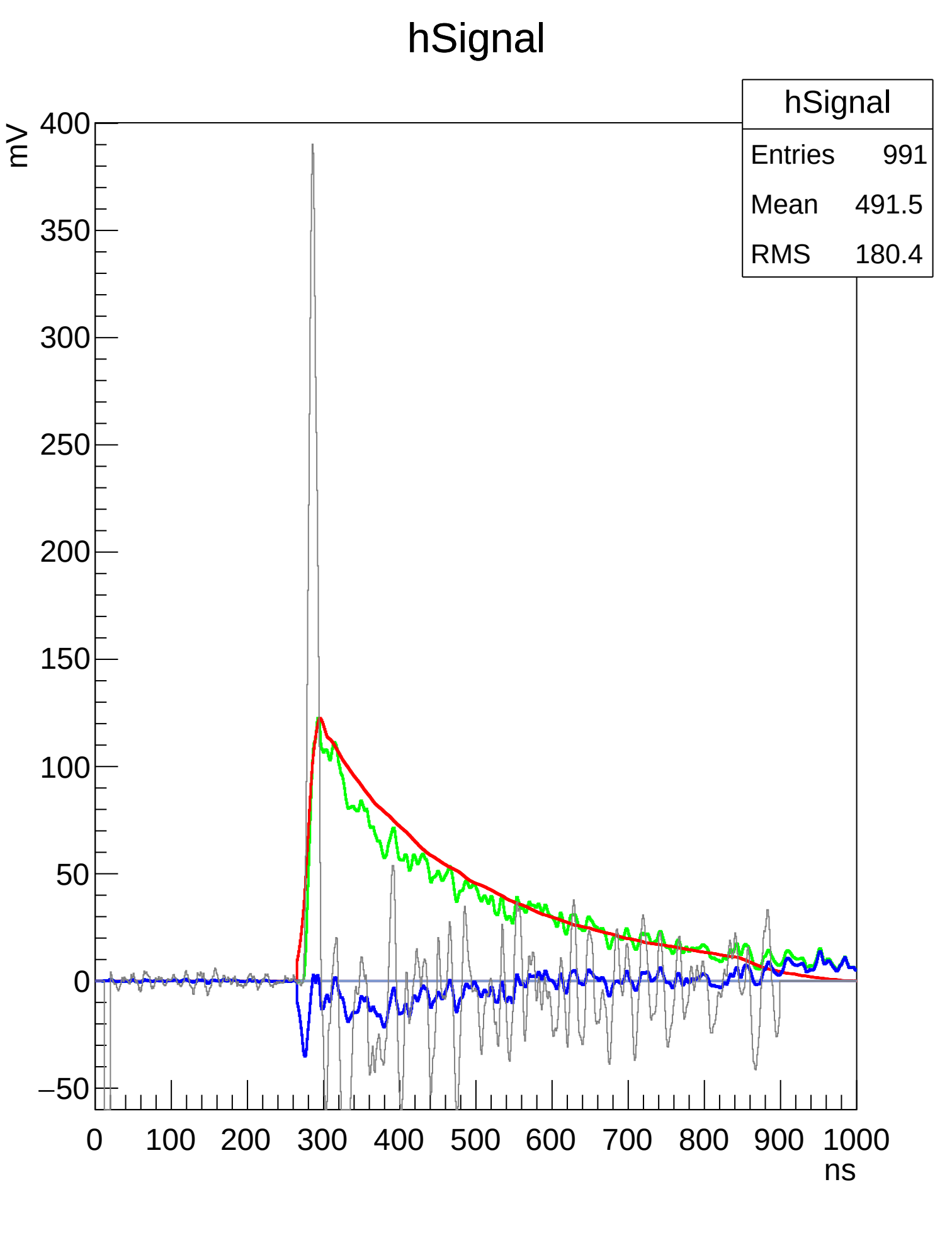

hSignal
hSignal
Entries 991
Mean 523.4
RMS 167.6
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

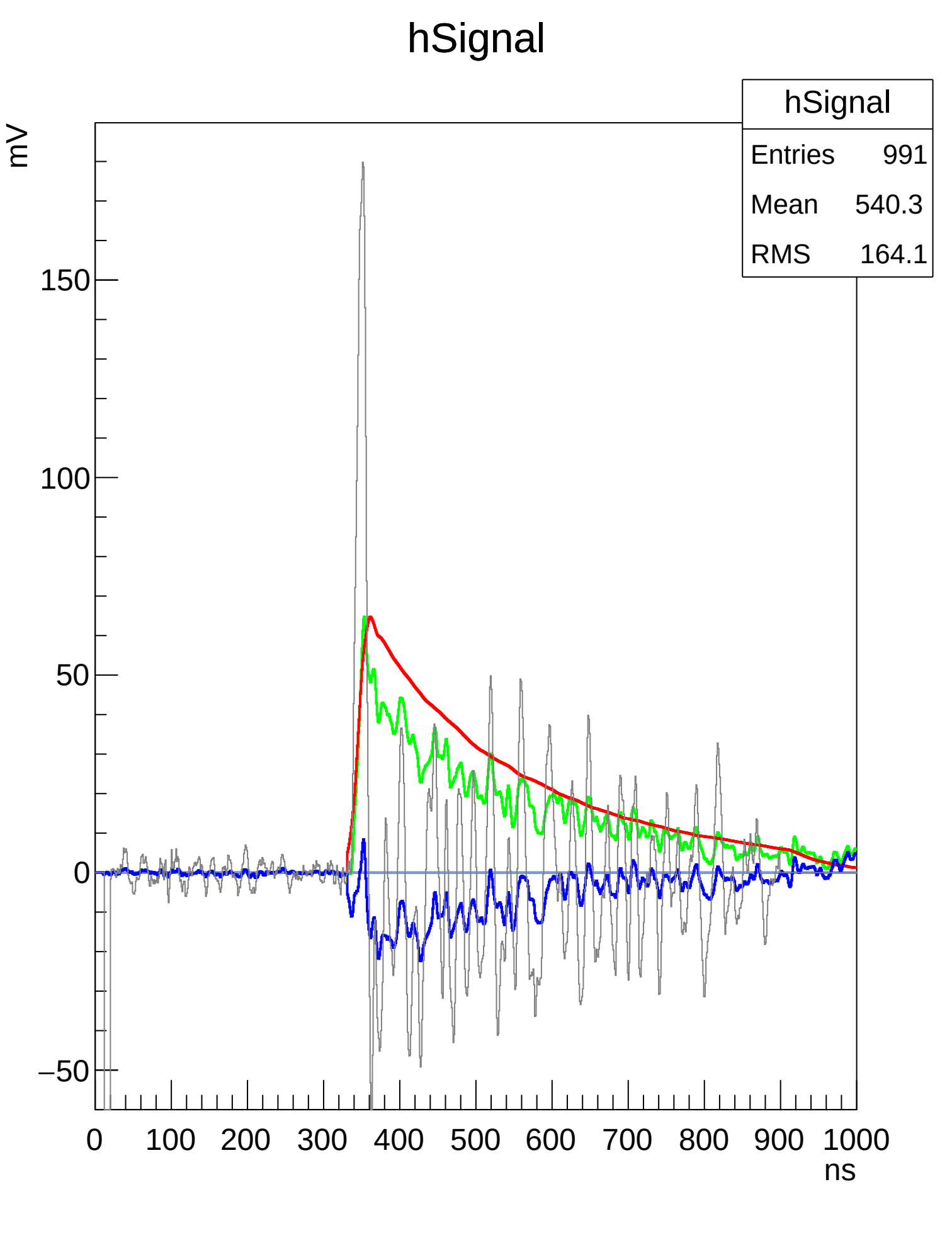

hSignal
hSignal
Entries 991
Mean 533.1
RMS 168.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

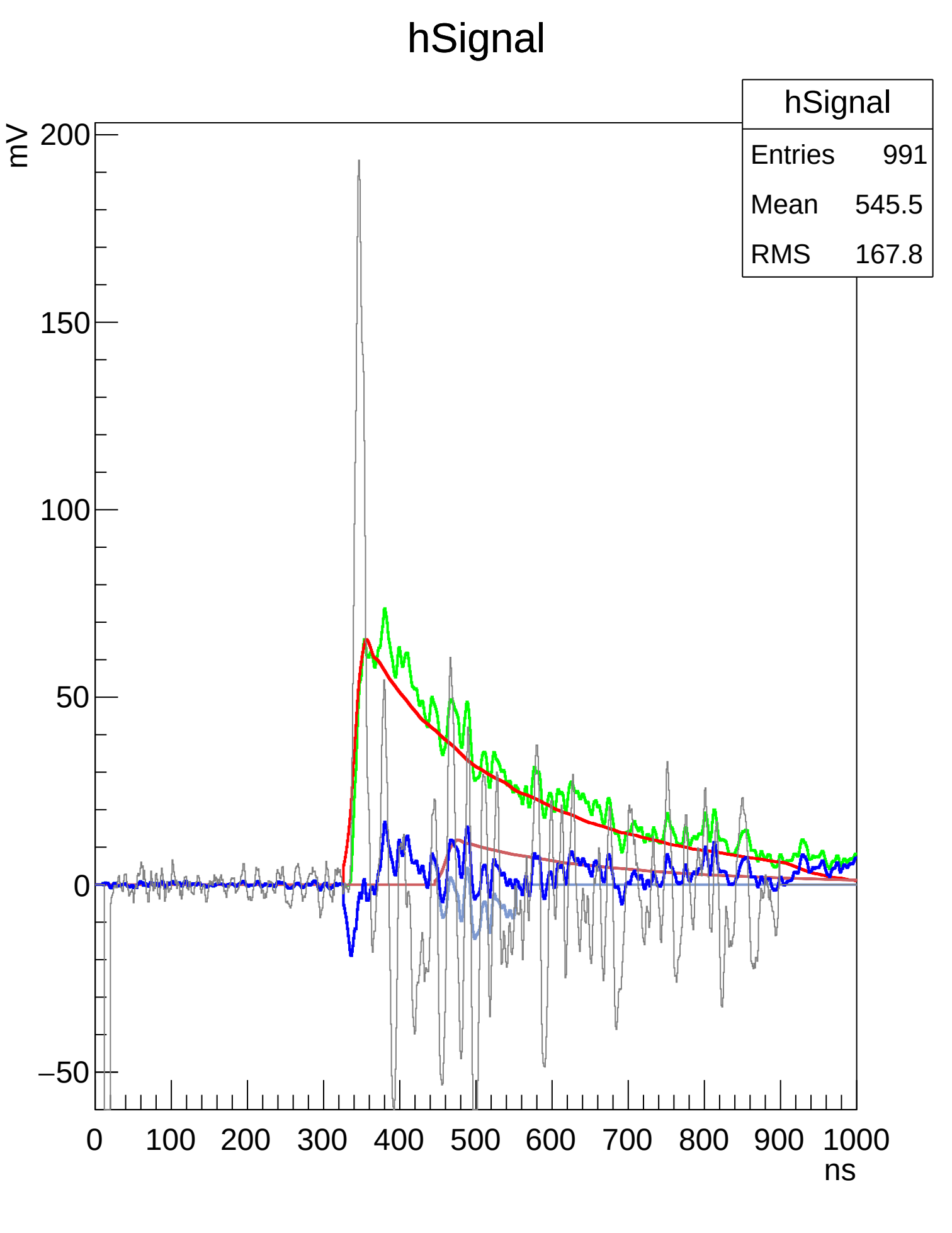

hSignal
hSignal
Entries 991
Mean 466.8
RMS 170.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

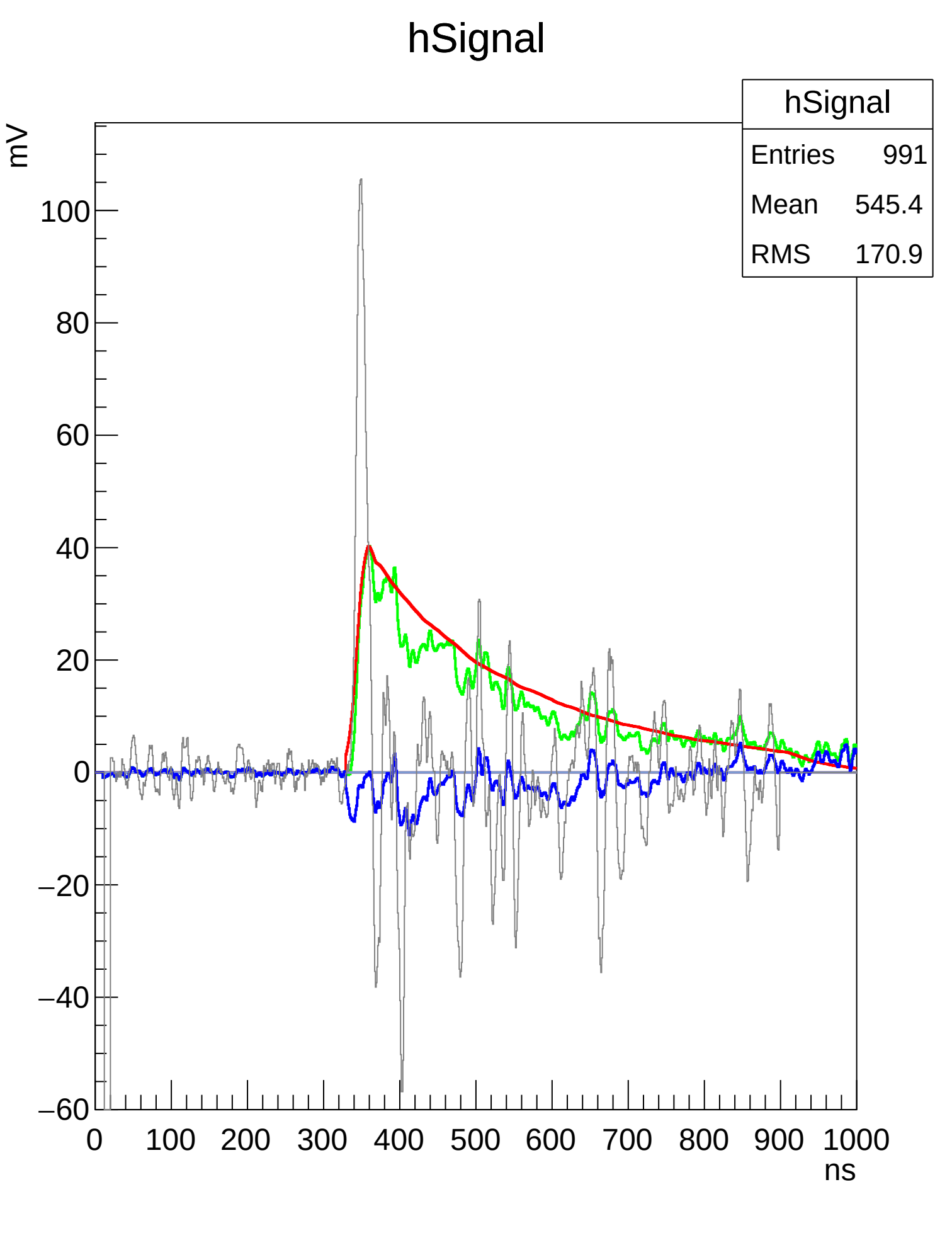

hSignal
hSignal
Entries 991
Mean 526.9
RMS 167.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

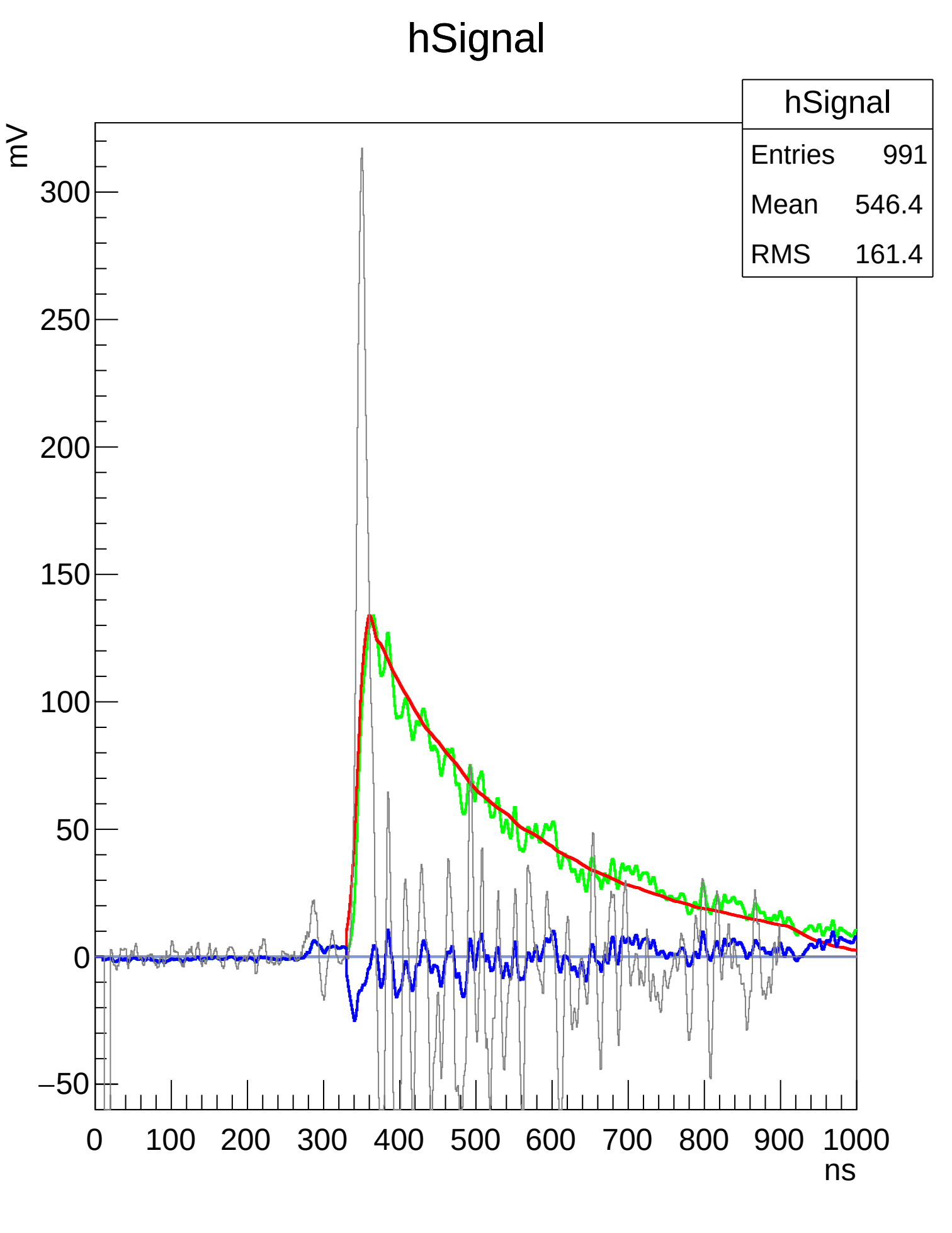

hSignal
hSignal
Entries 991
Mean 550.6
RMS 145.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

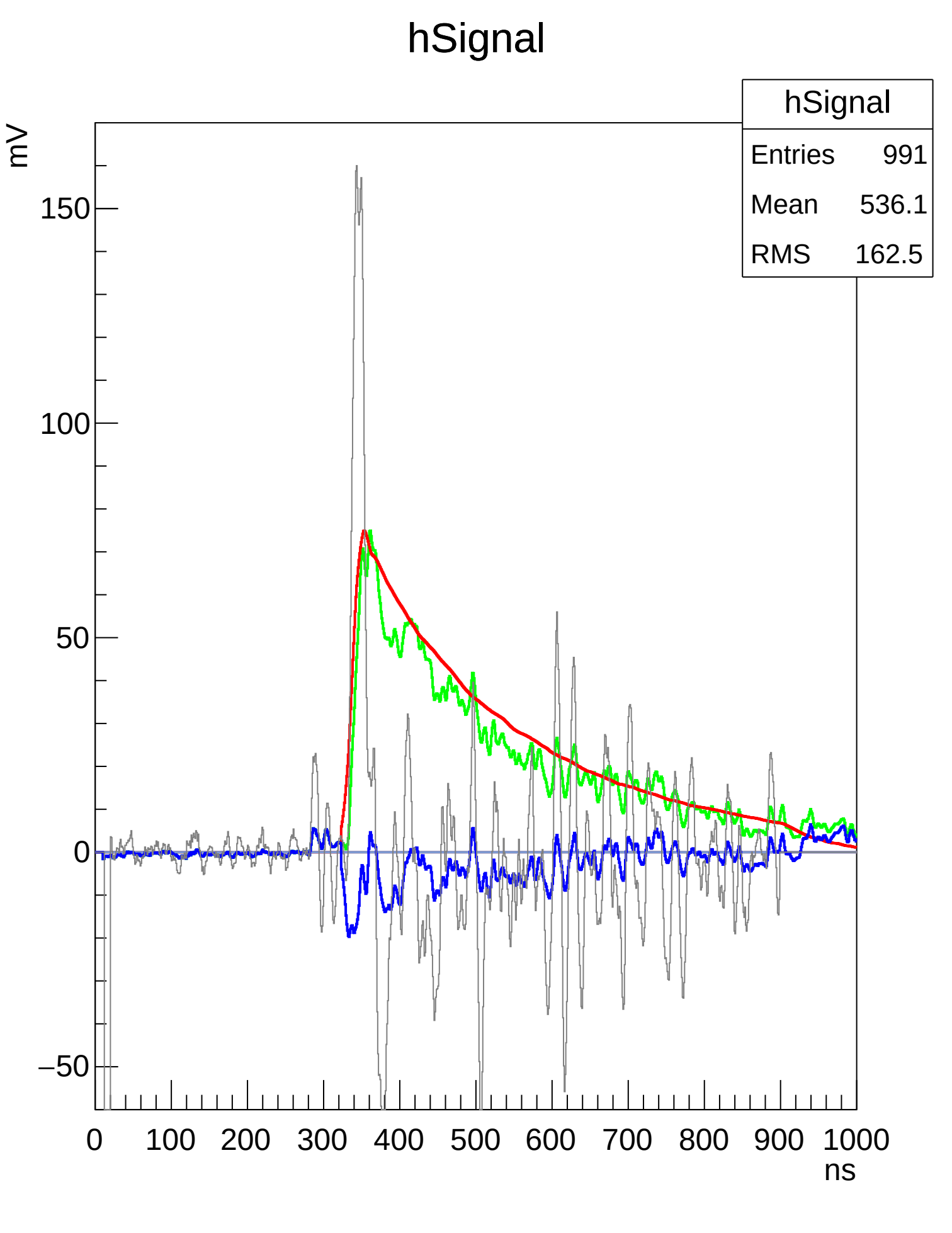

hSignal
hSignal
Entries 991
Mean 491.5
RMS 180.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

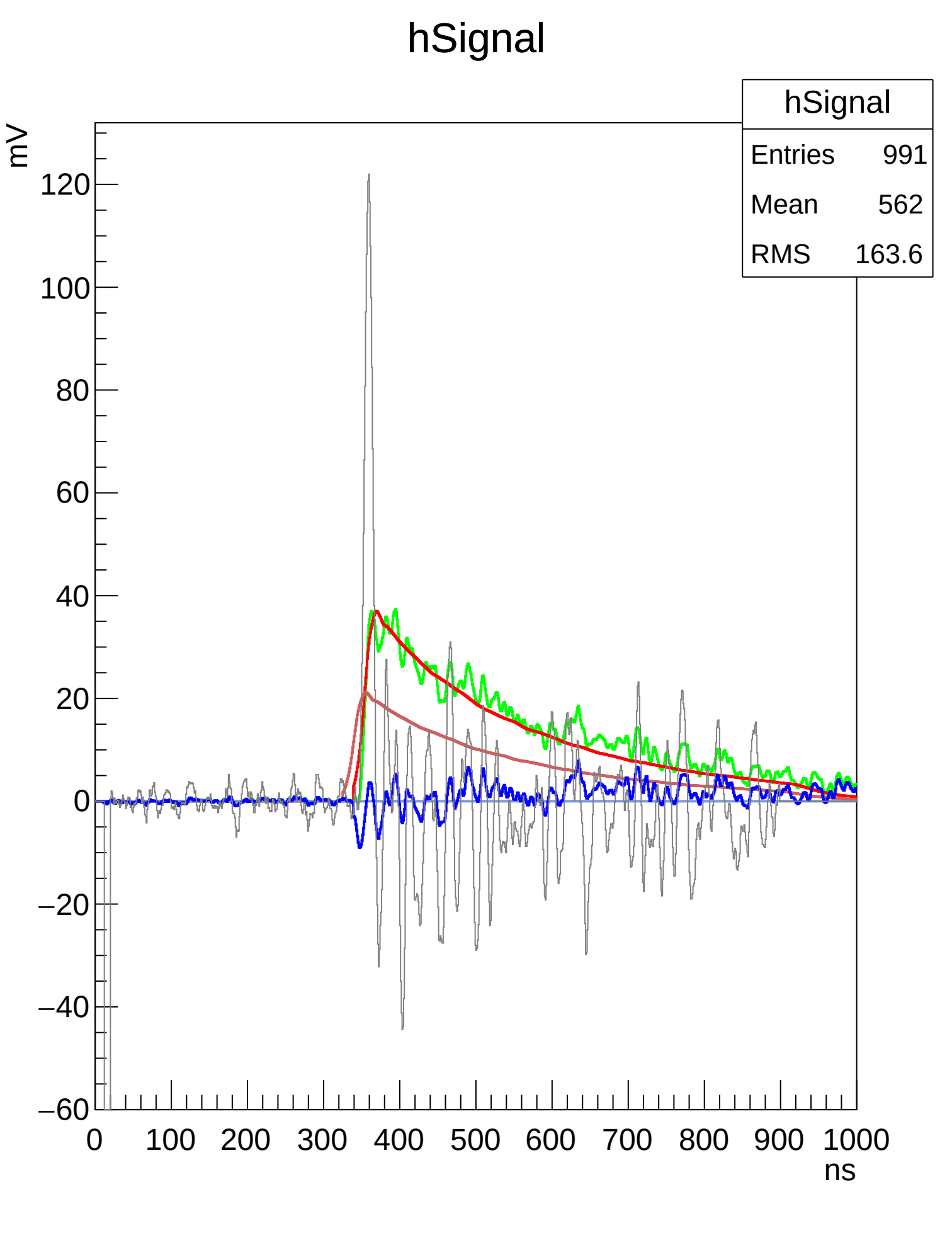

hSignal
hSignal
Entries 991
Mean 540.3
RMS 164.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

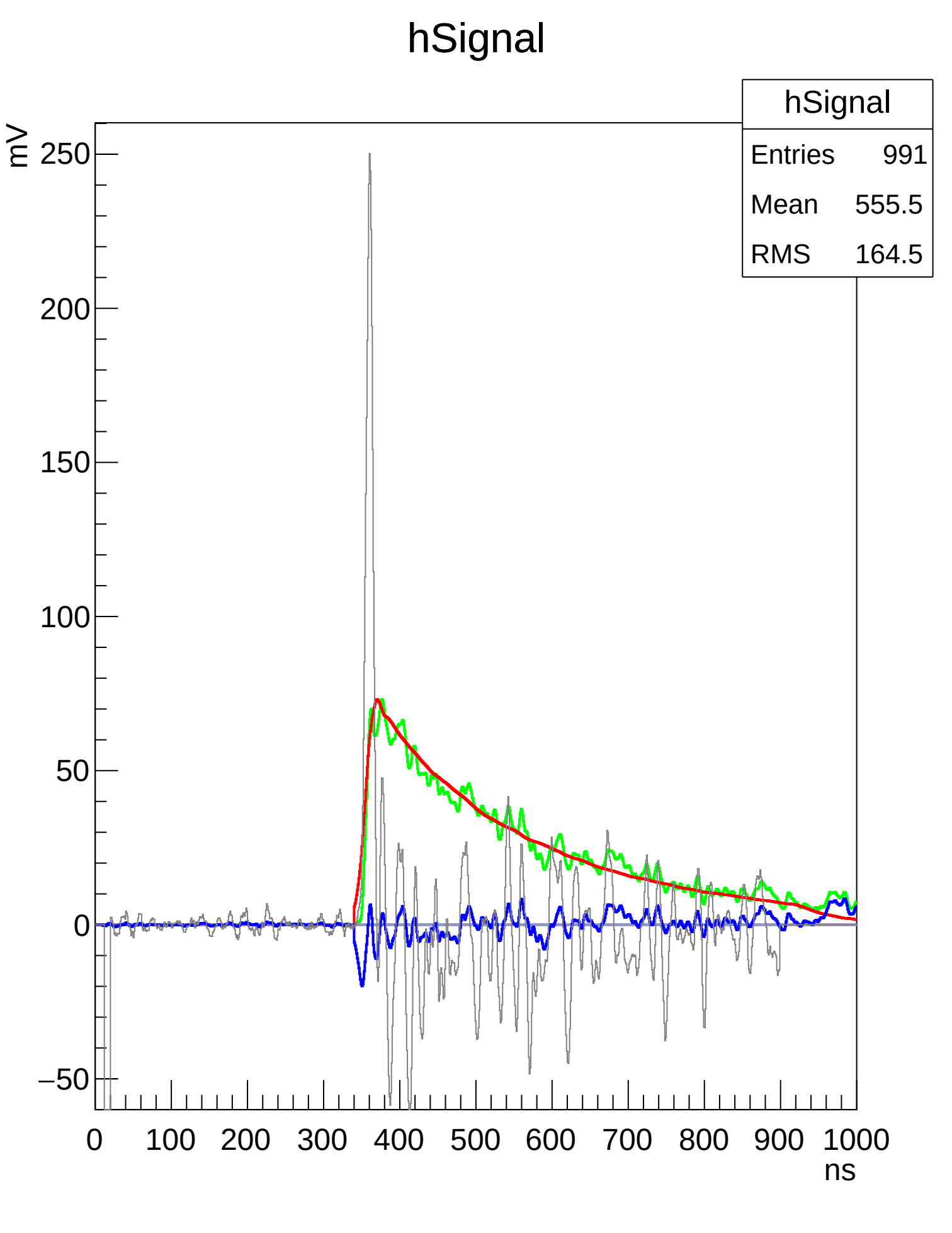

hSignal
hSignal
Entries 991
Mean 545.5
RMS 167.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

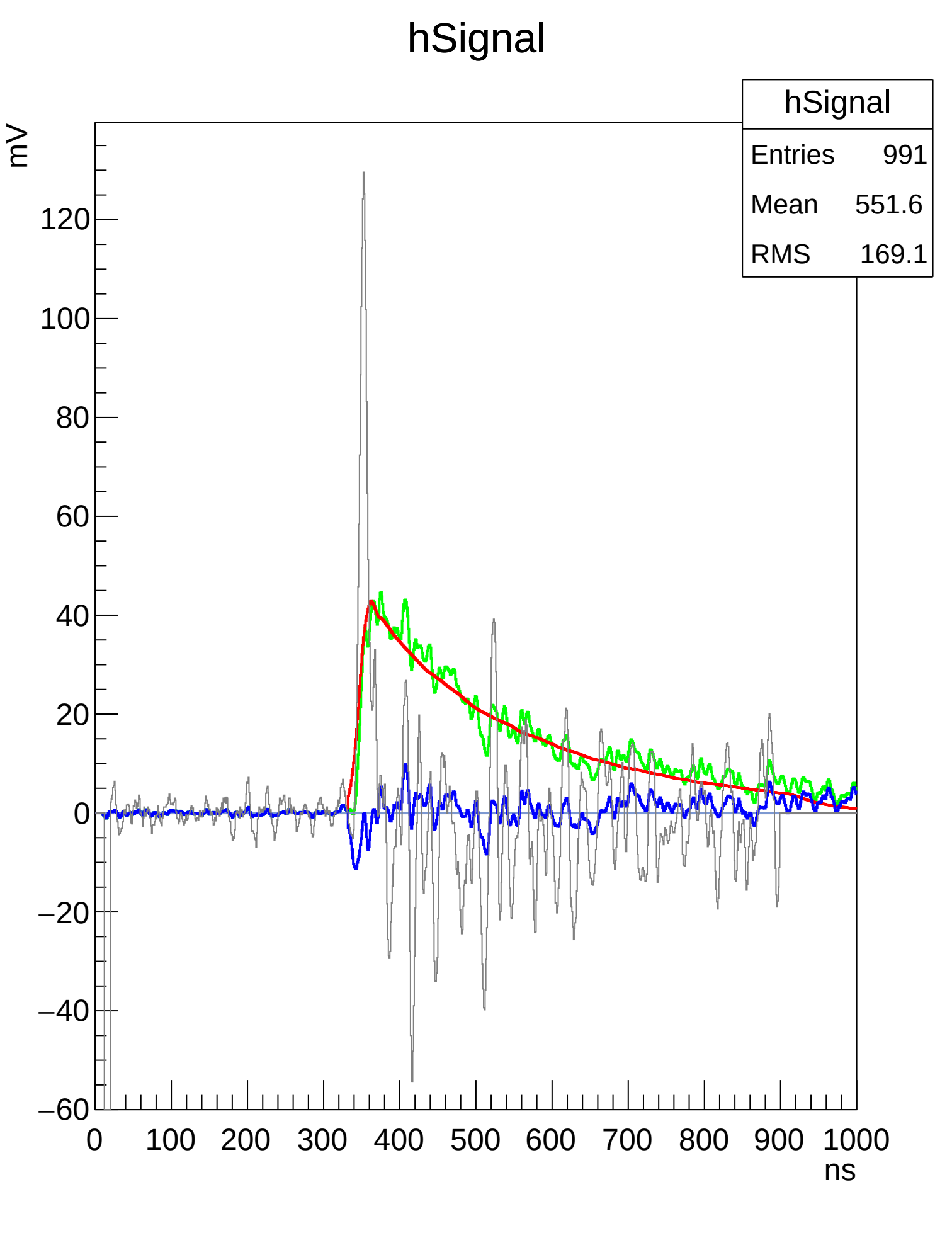

hSignal
hSignal
Entries 991
Mean 545.4
RMS 170.9
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

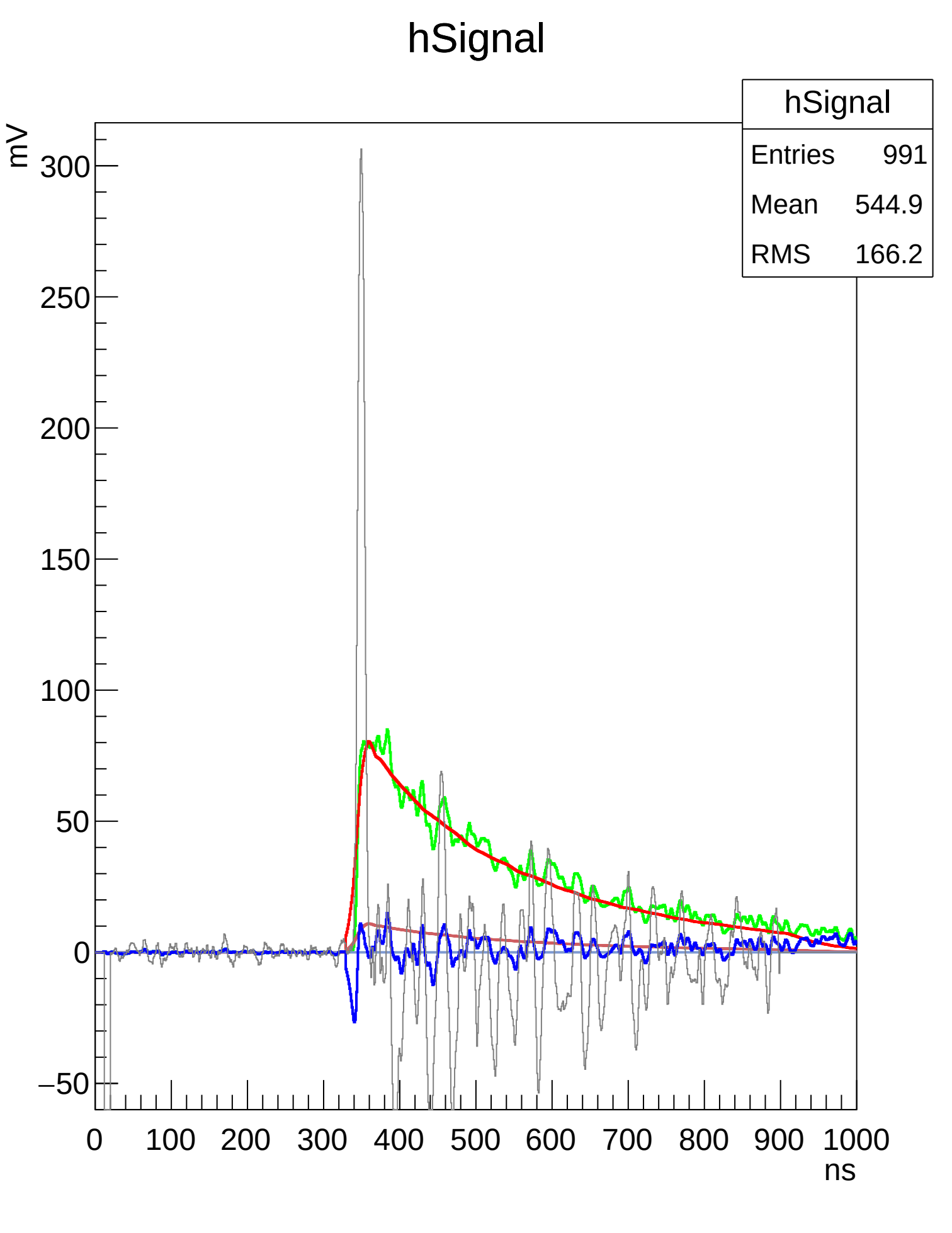

hSignal
hSignal
Entries 991
Mean 546.4
RMS 161.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

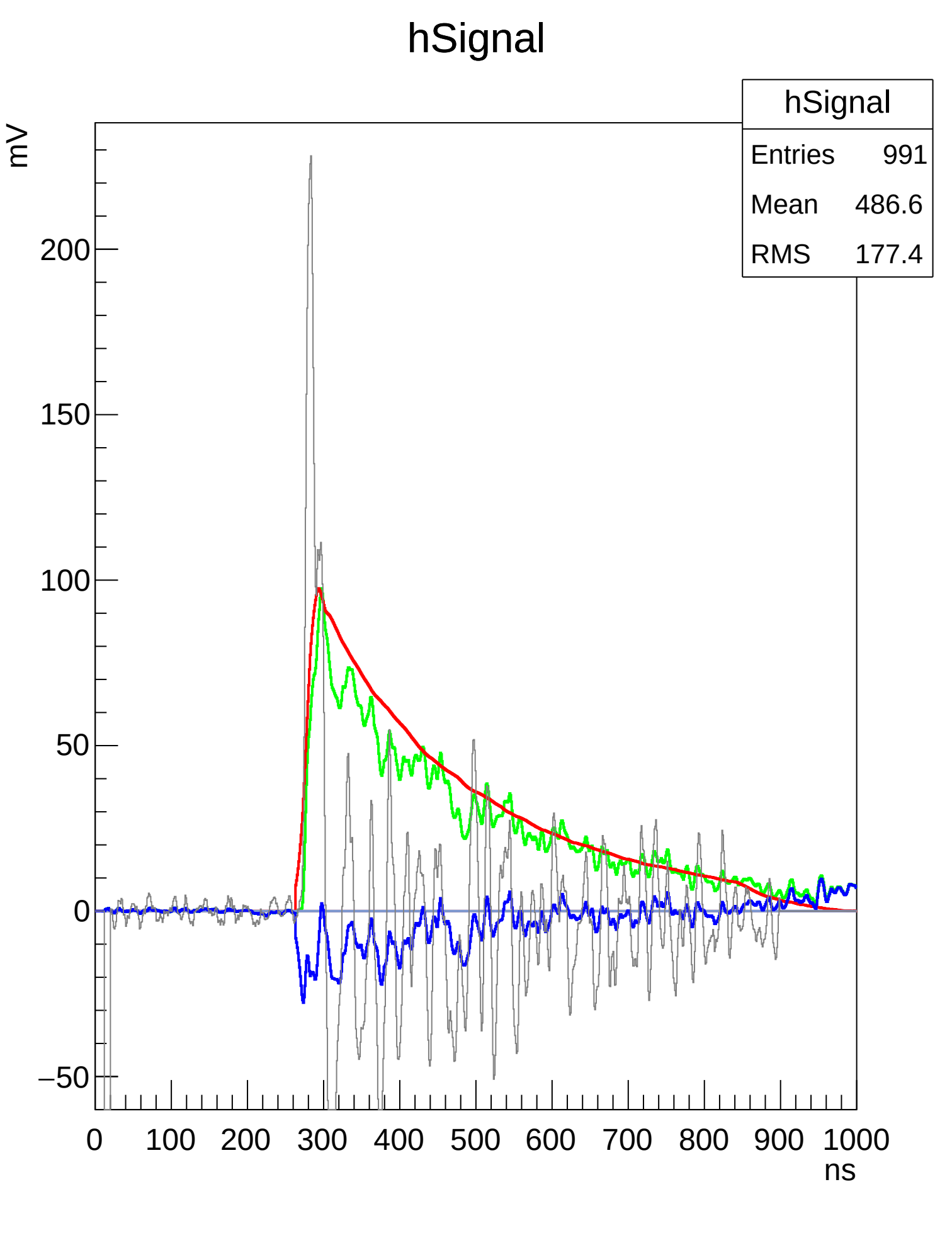

hSignal
hSignal
Entries 991
Mean 536.1
RMS 162.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

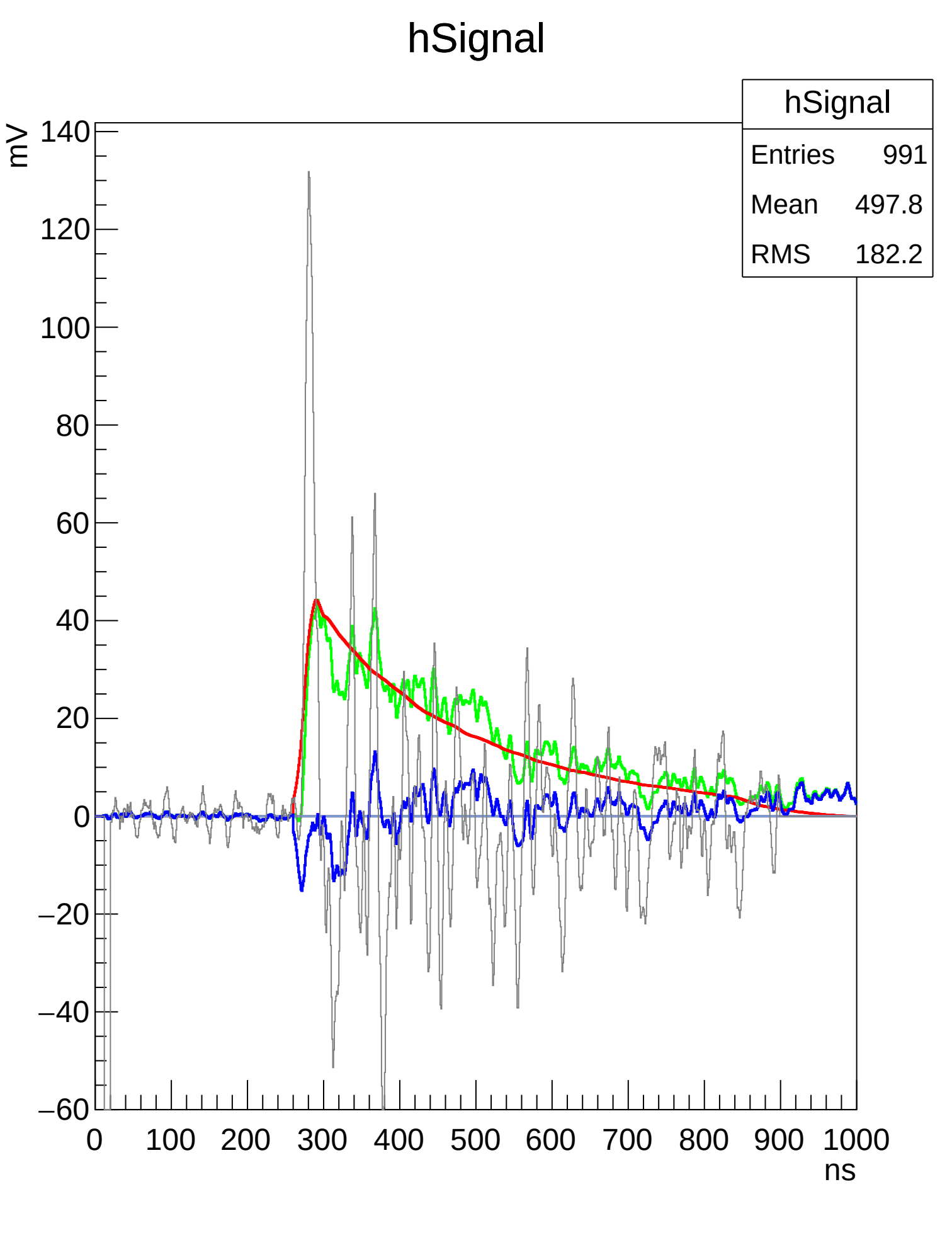

hSignal
hSignal
Entries 991
Mean 562
RMS 163.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

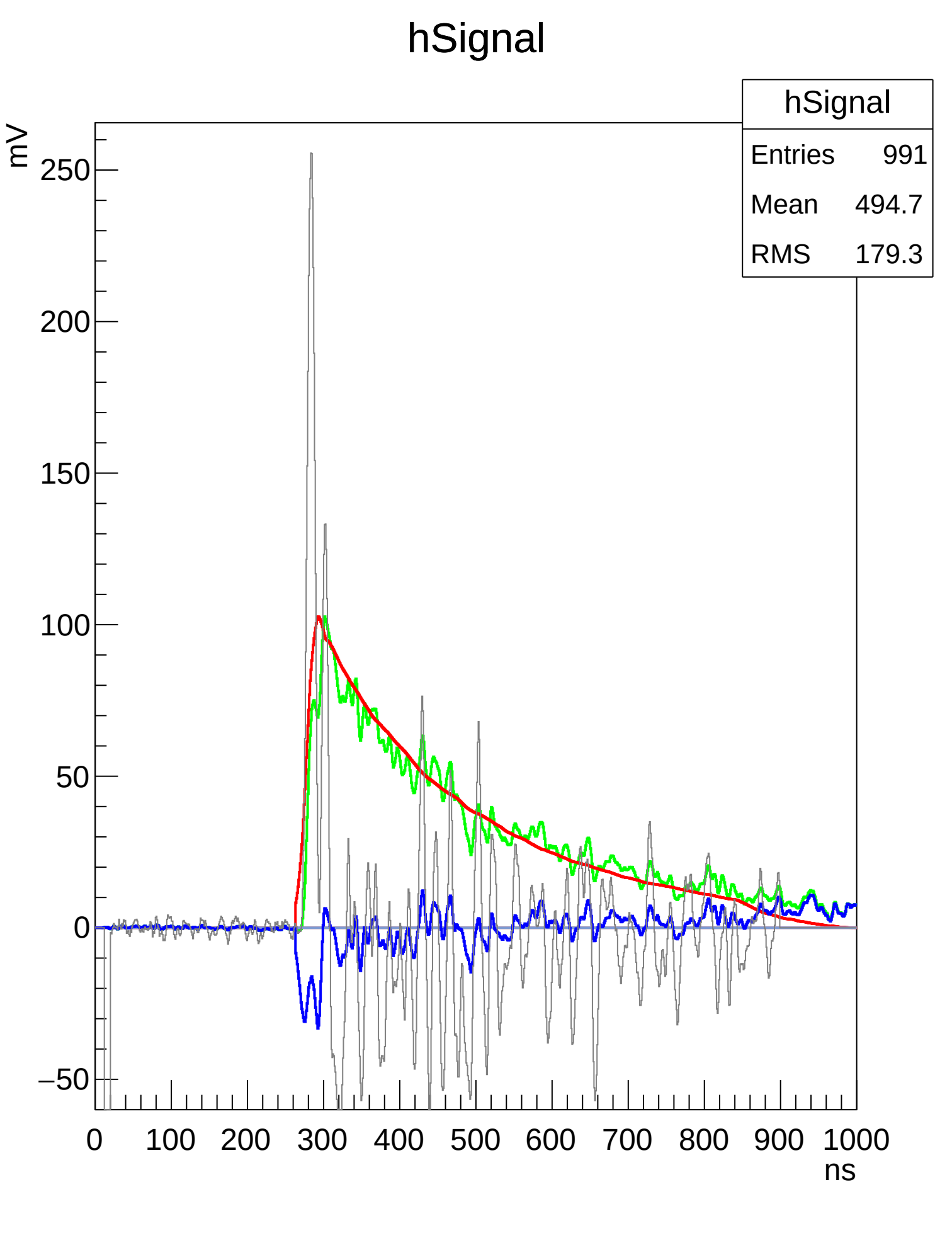

hSignal
hSignal
Entries 991
Mean 555.5
RMS 164.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

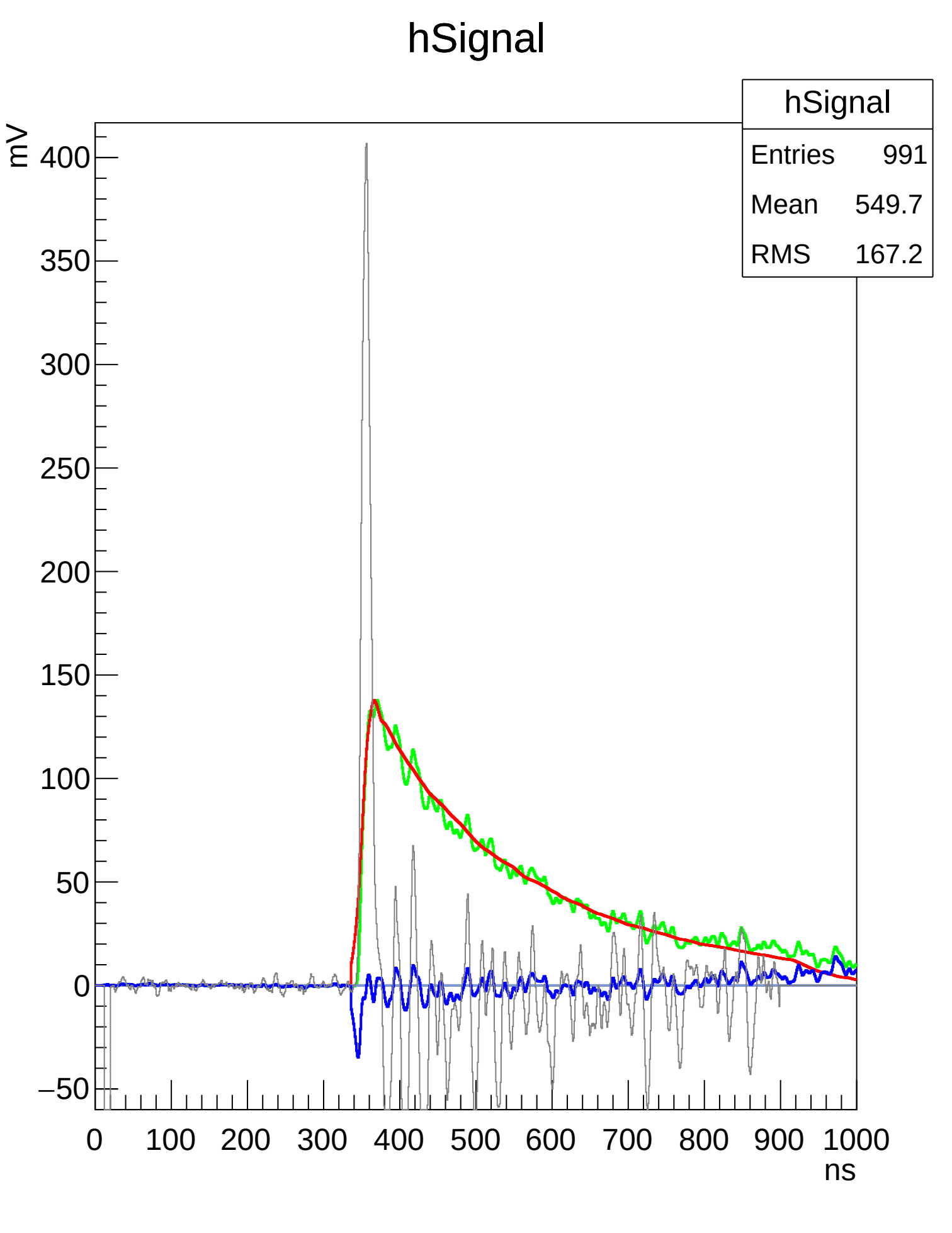

hSignal
hSignal
Entries 991
Mean 551.6
RMS 169.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

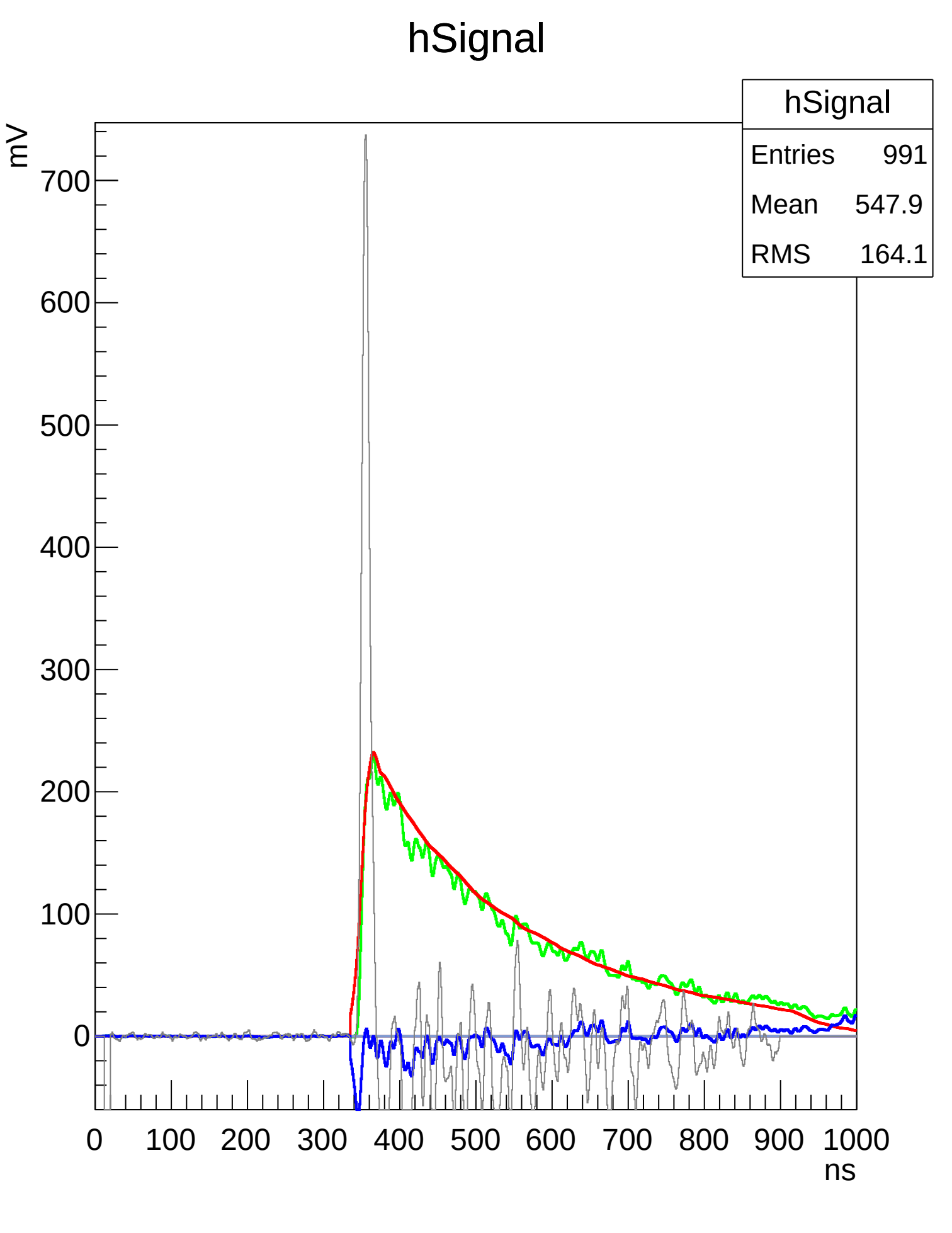

hSignal
hSignal
Entries 991
Mean 544.9
RMS 166.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

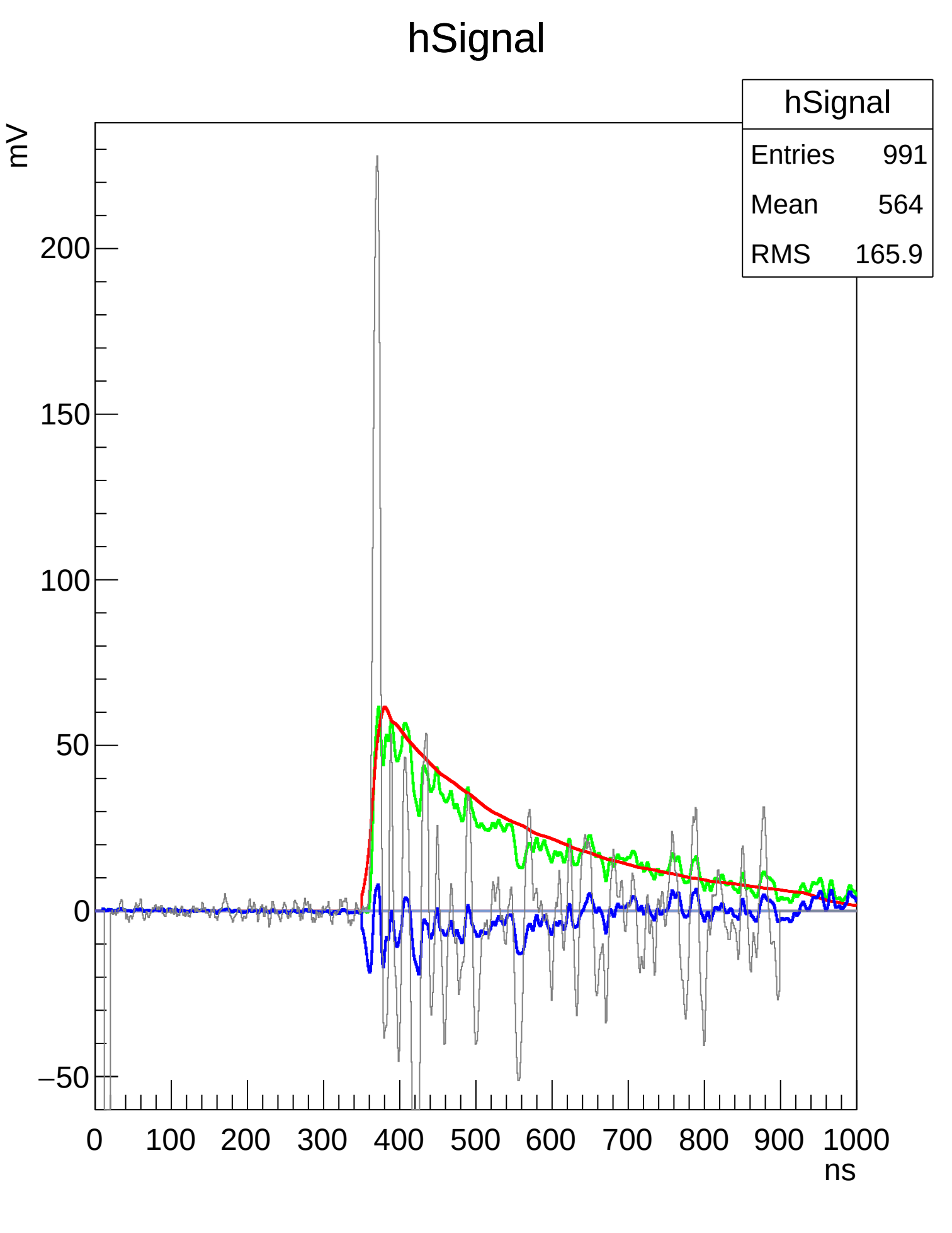

hSignal
hSignal
Entries 991
Mean 486.6
RMS 177.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

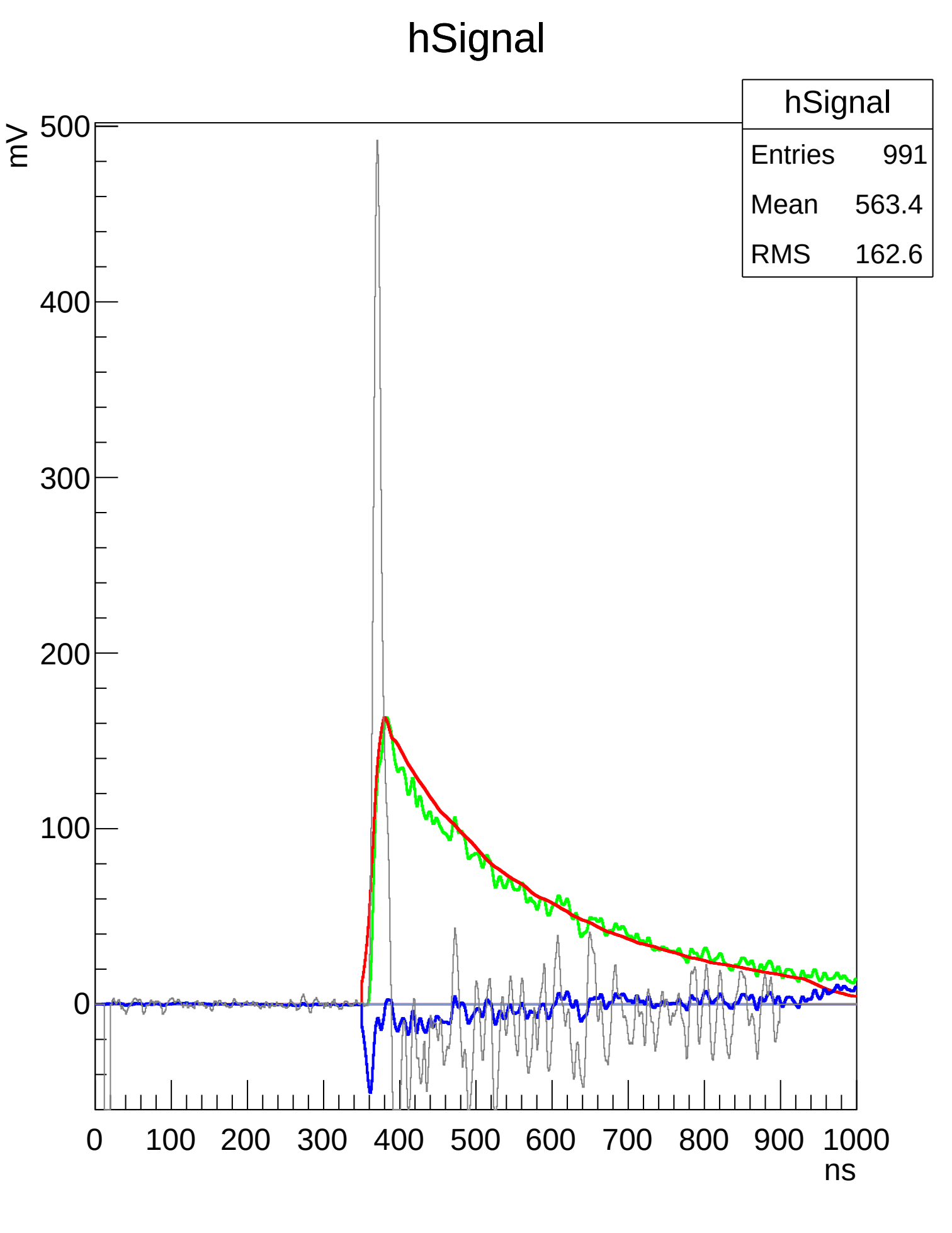

hSignal
hSignal
Entries 991
Mean 497.8
RMS 182.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

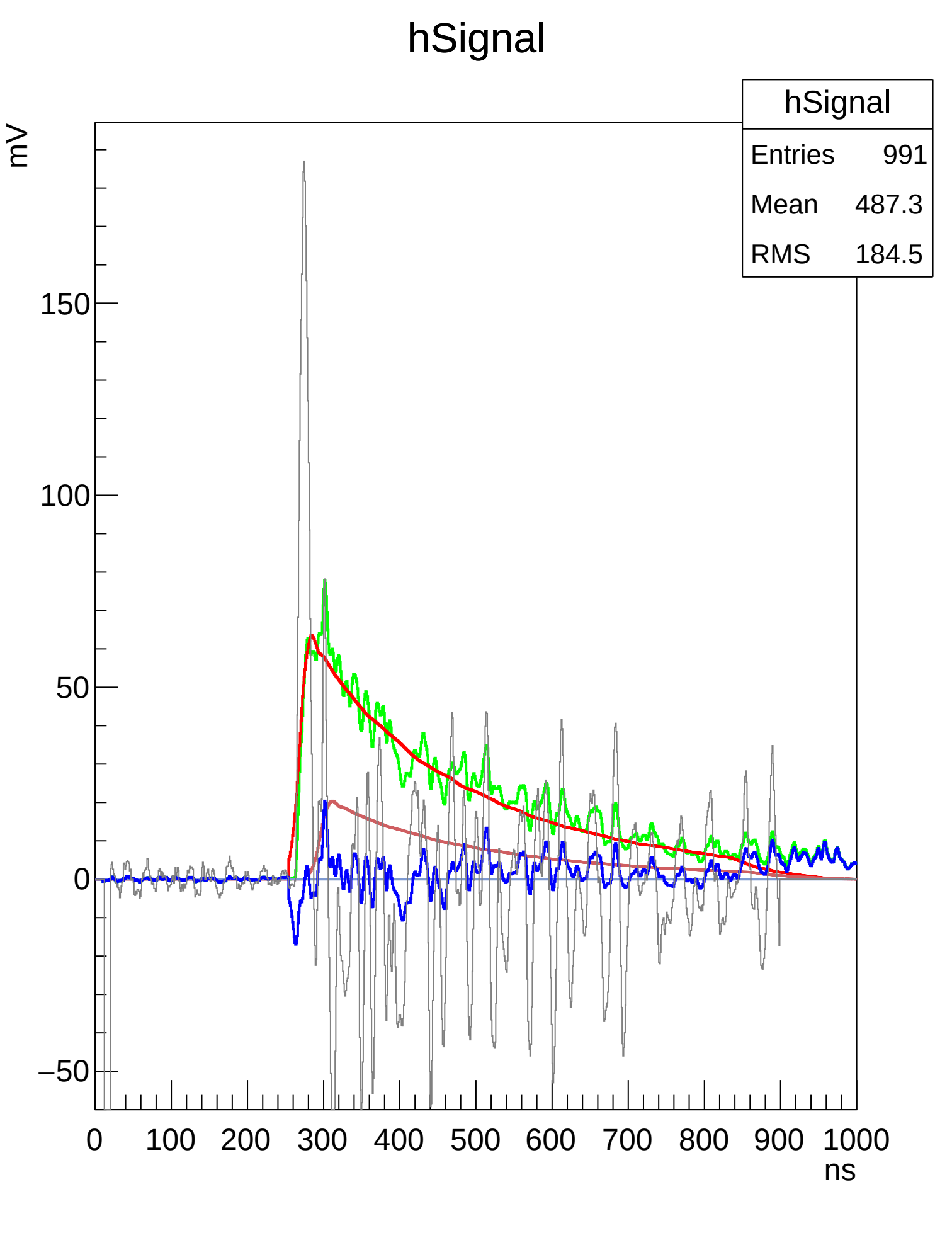

hSignal
hSignal
Entries 991
Mean 494.7
RMS 179.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

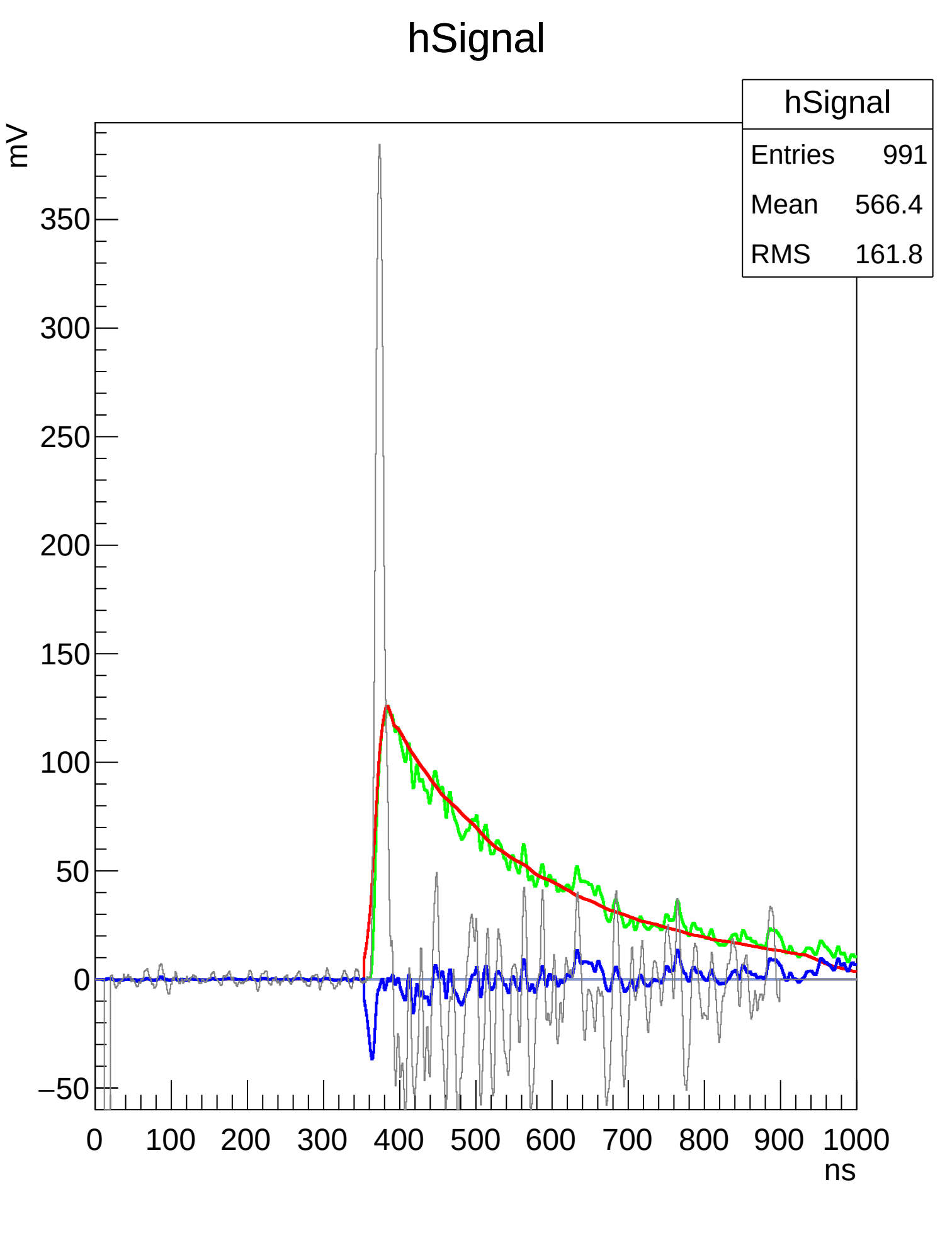

hSignal
hSignal
Entries 991
Mean 549.7
RMS 167.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

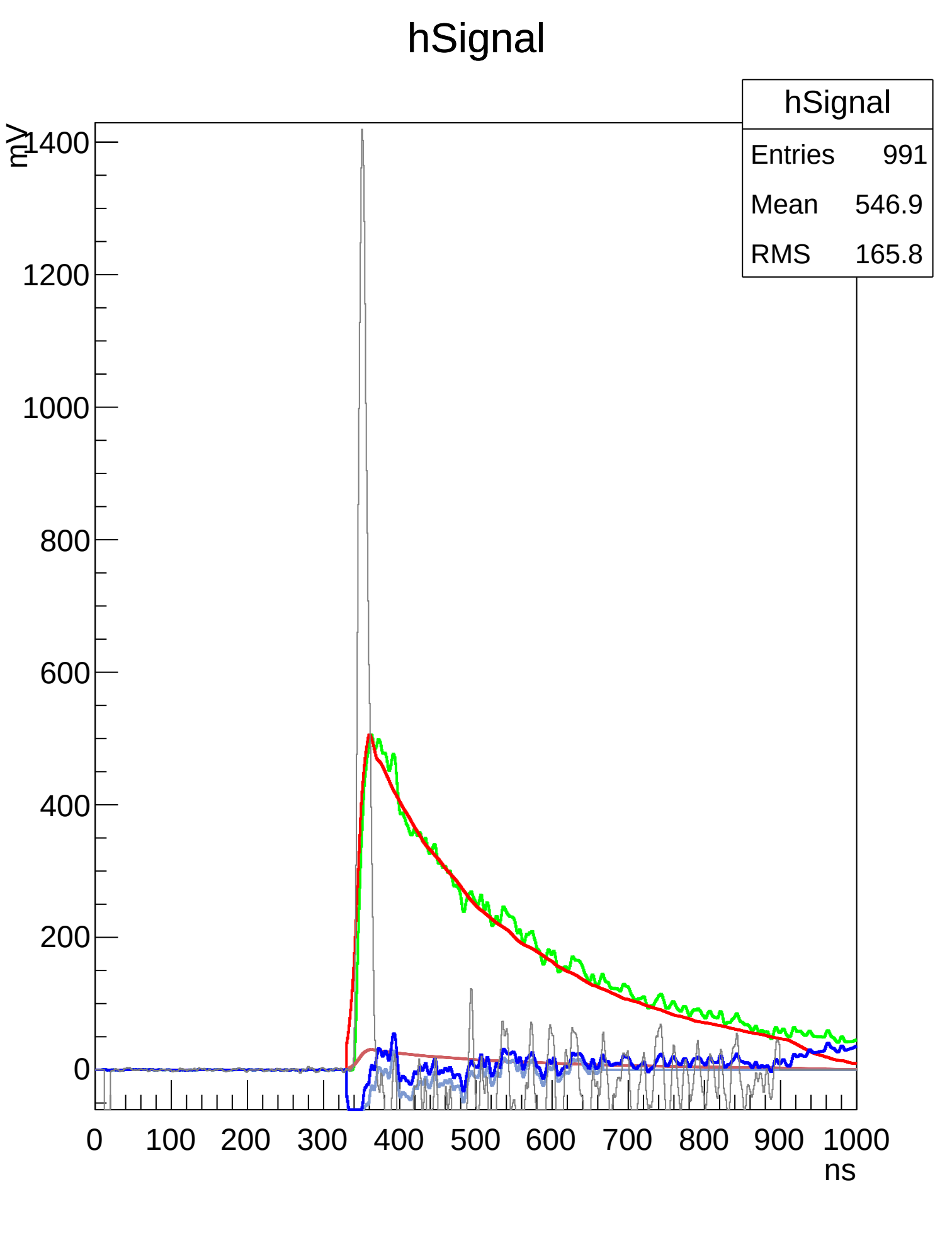

hSignal
hSignal
Entries 991
Mean 547.9
RMS 164.1
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

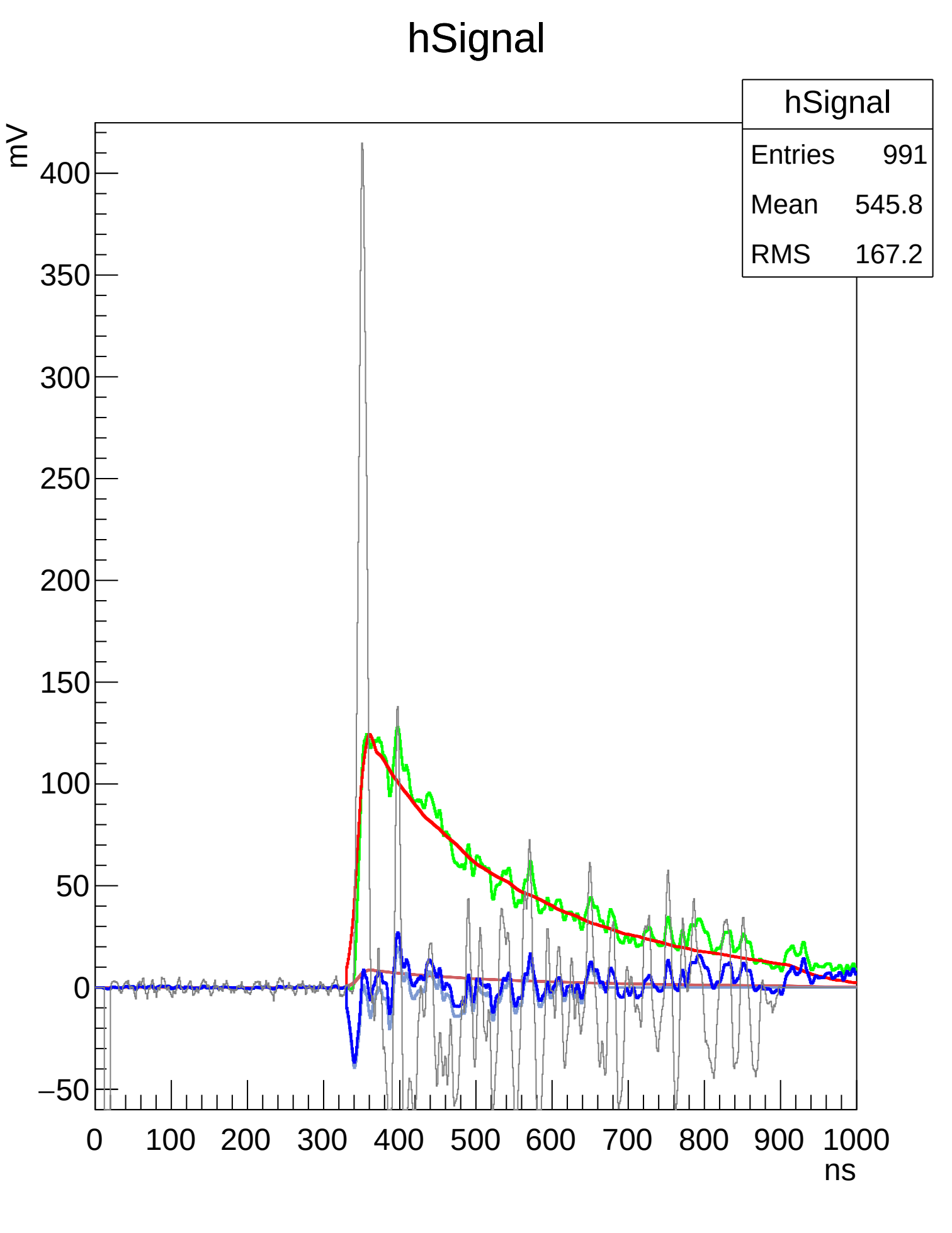

hSignal
hSignal
Entries 991
Mean 564
RMS 165.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

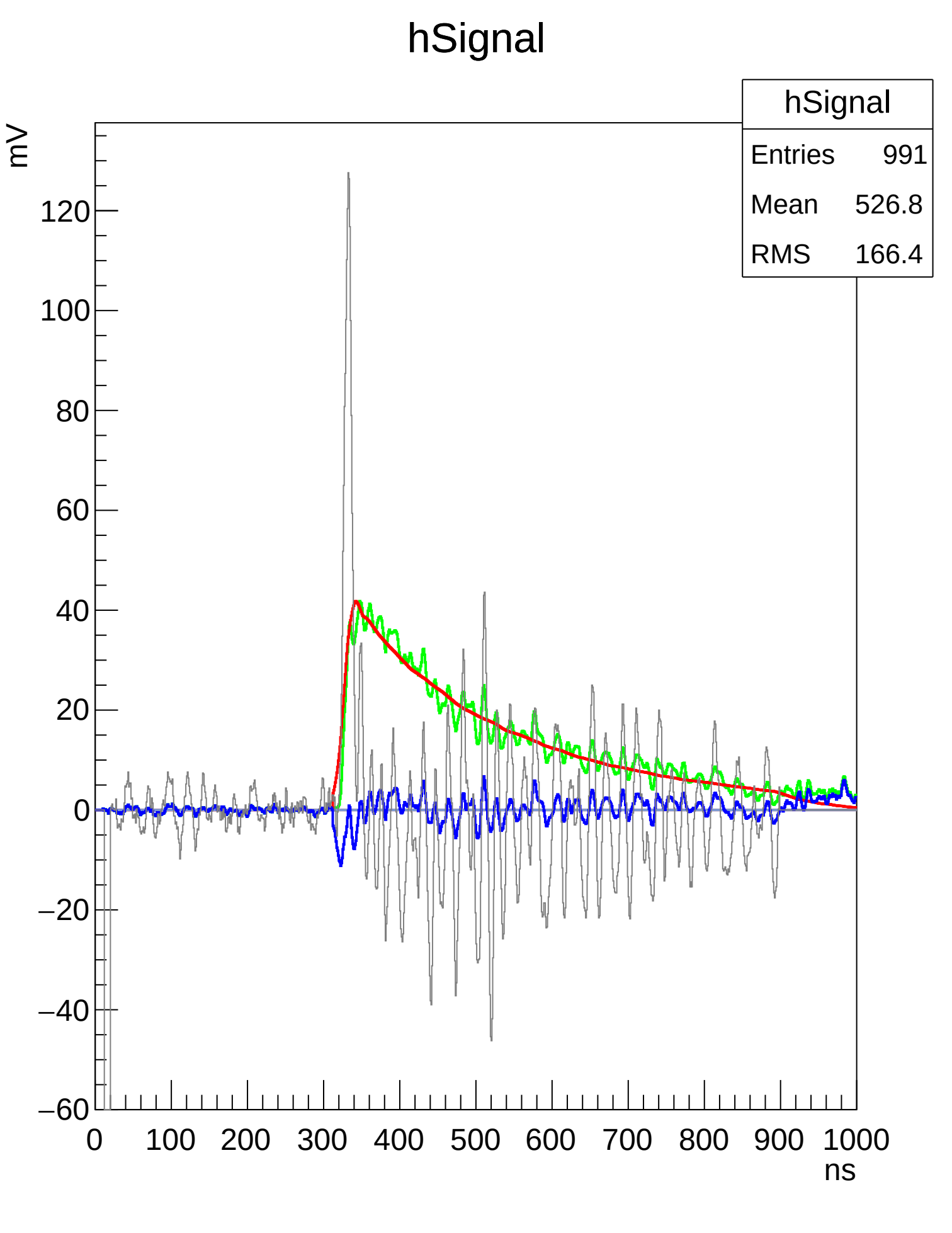

hSignal
hSignal
Entries 991
Mean 563.4
RMS 162.6
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

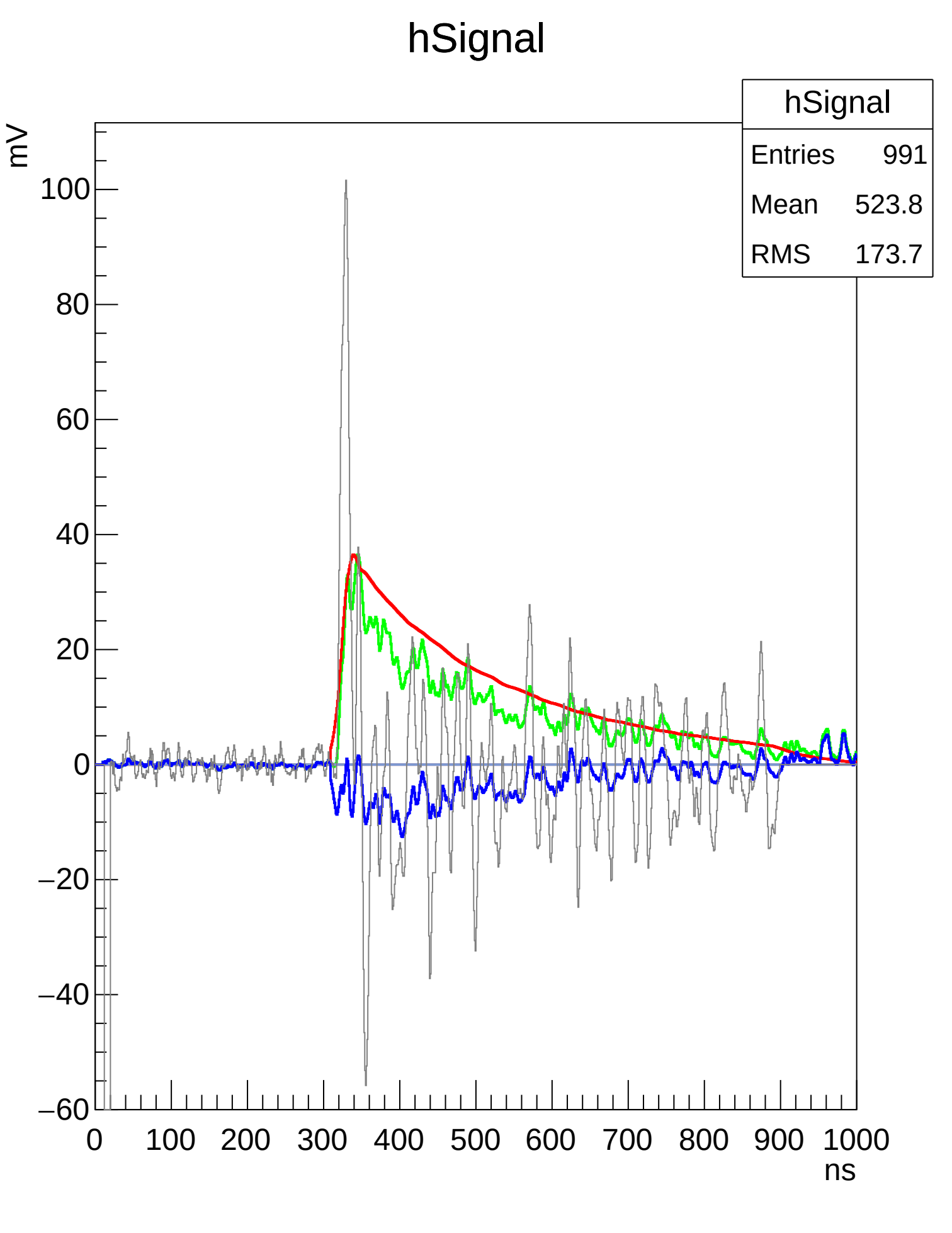

hSignal
hSignal
Entries 991
Mean 487.3
RMS 184.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

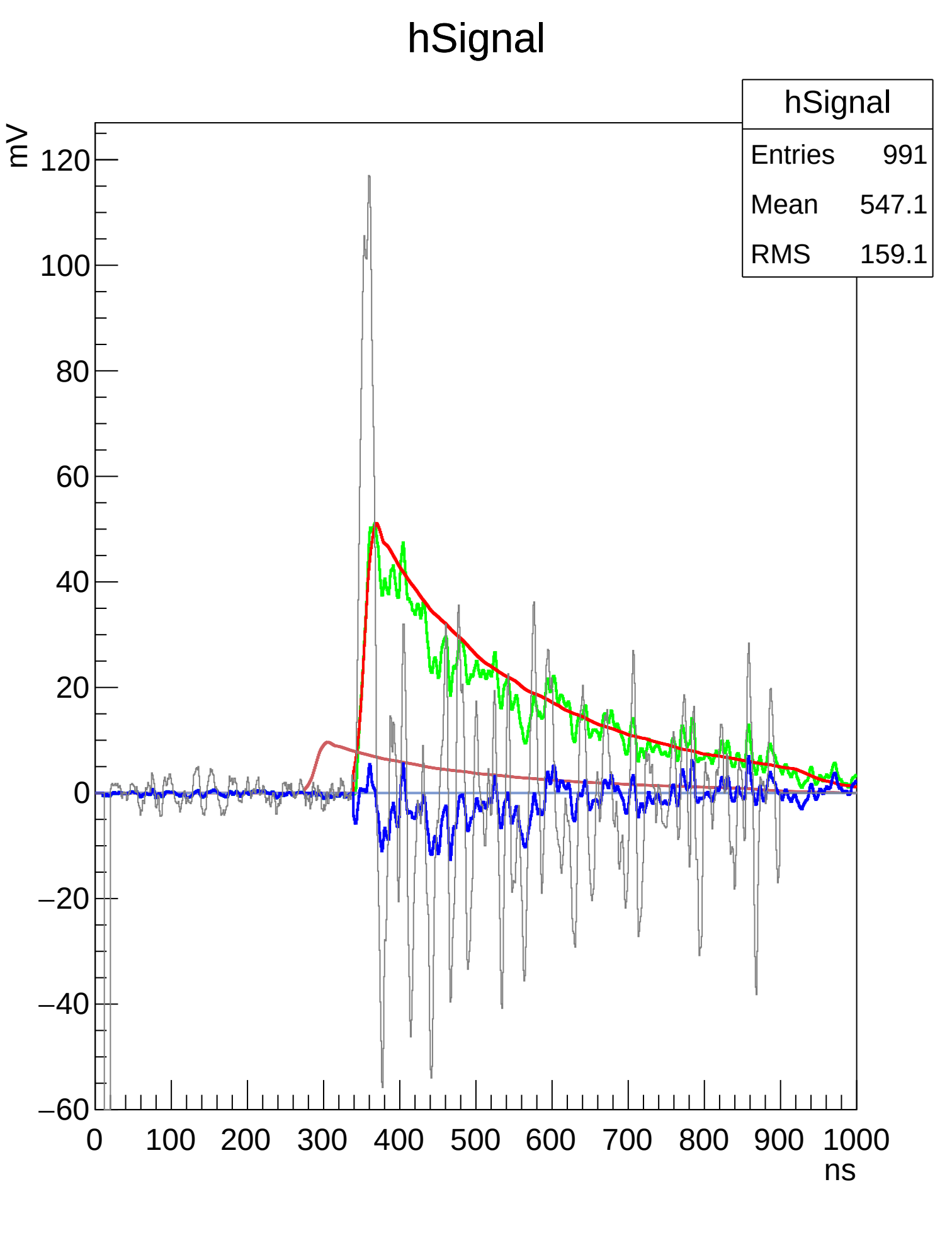

hSignal
hSignal
Entries 991
Mean 566.4
RMS 161.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

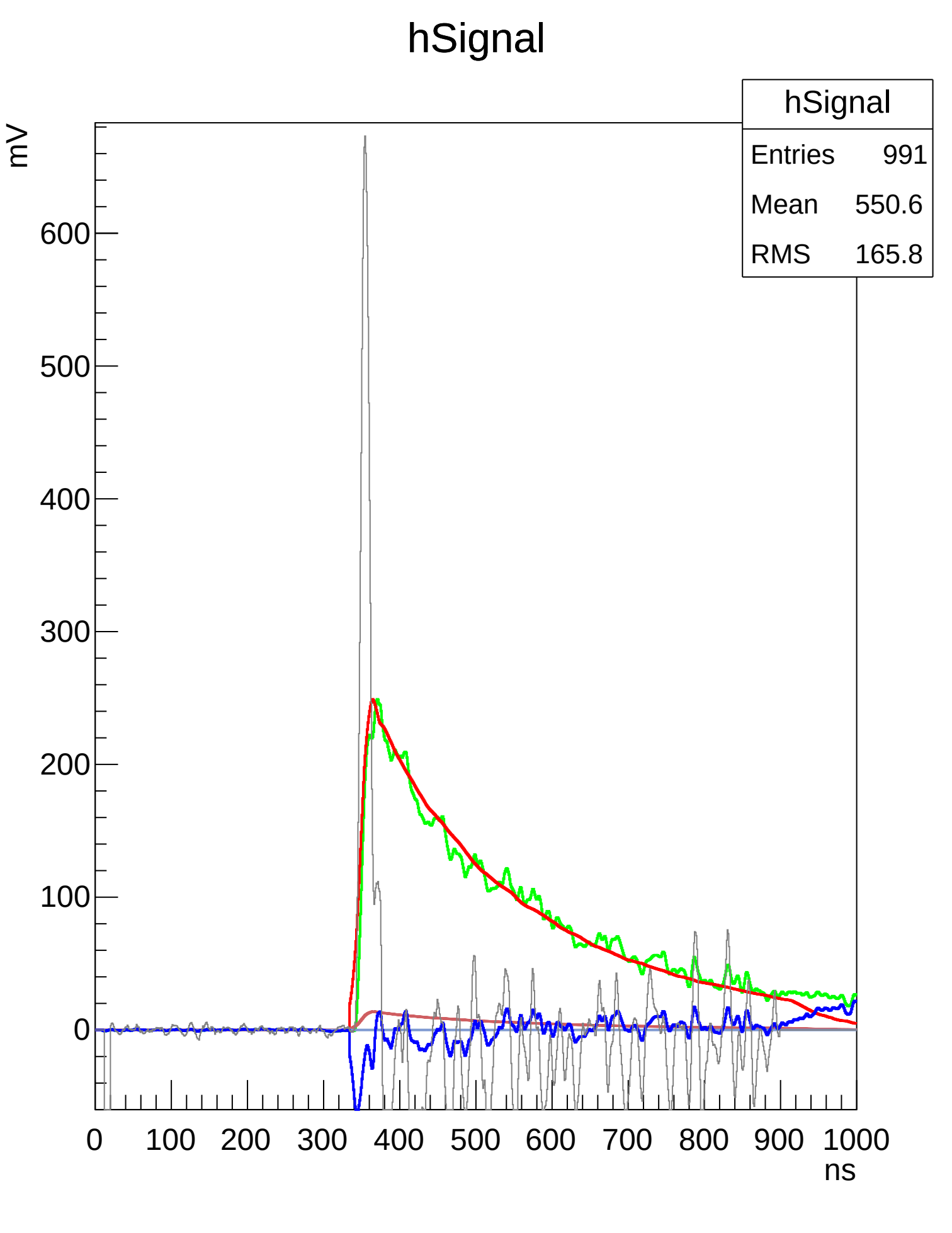

hSignal
hSignal
Entries 991
Mean 546.9
RMS 165.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

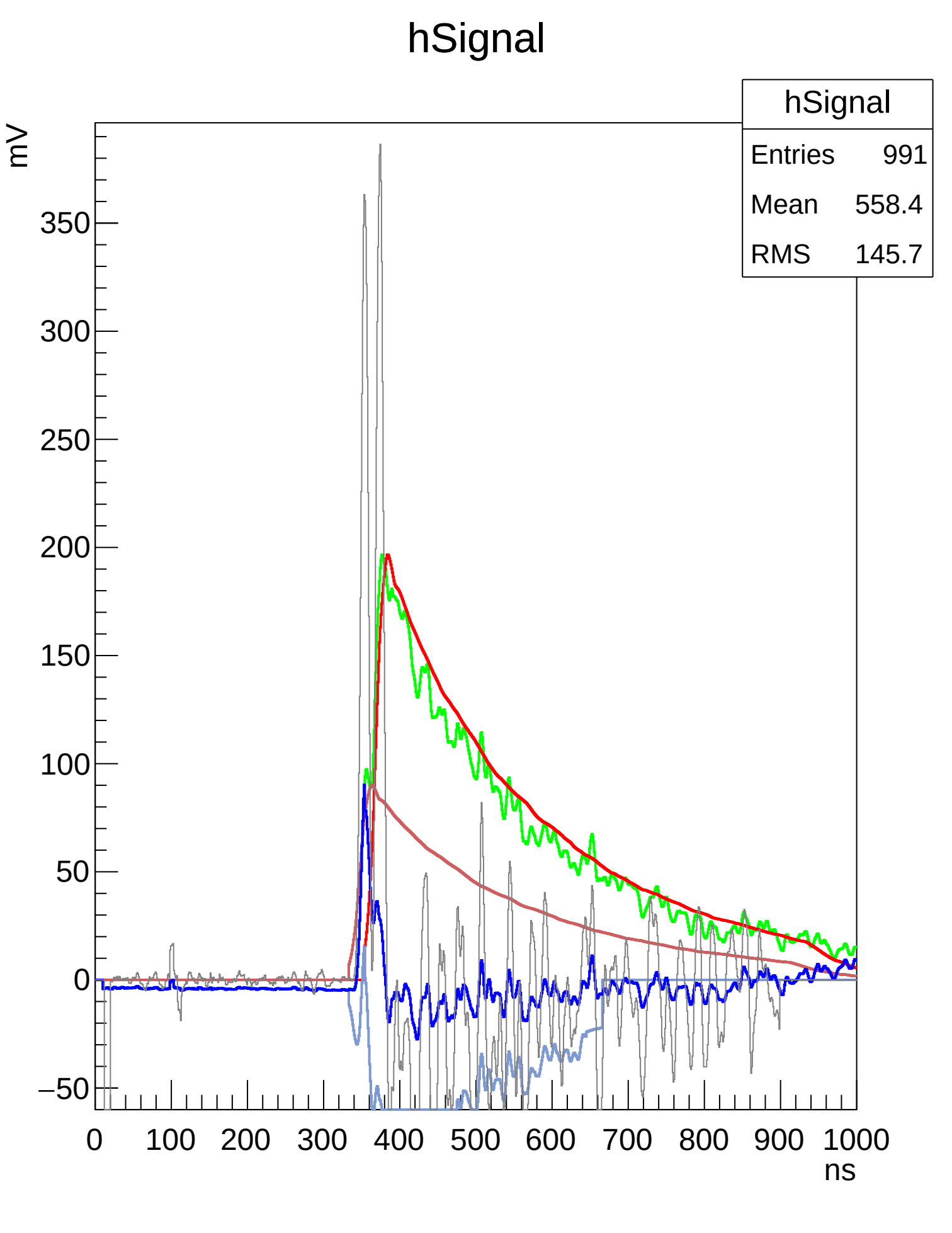

hSignal
hSignal
Entries 991
Mean 545.8
RMS 167.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

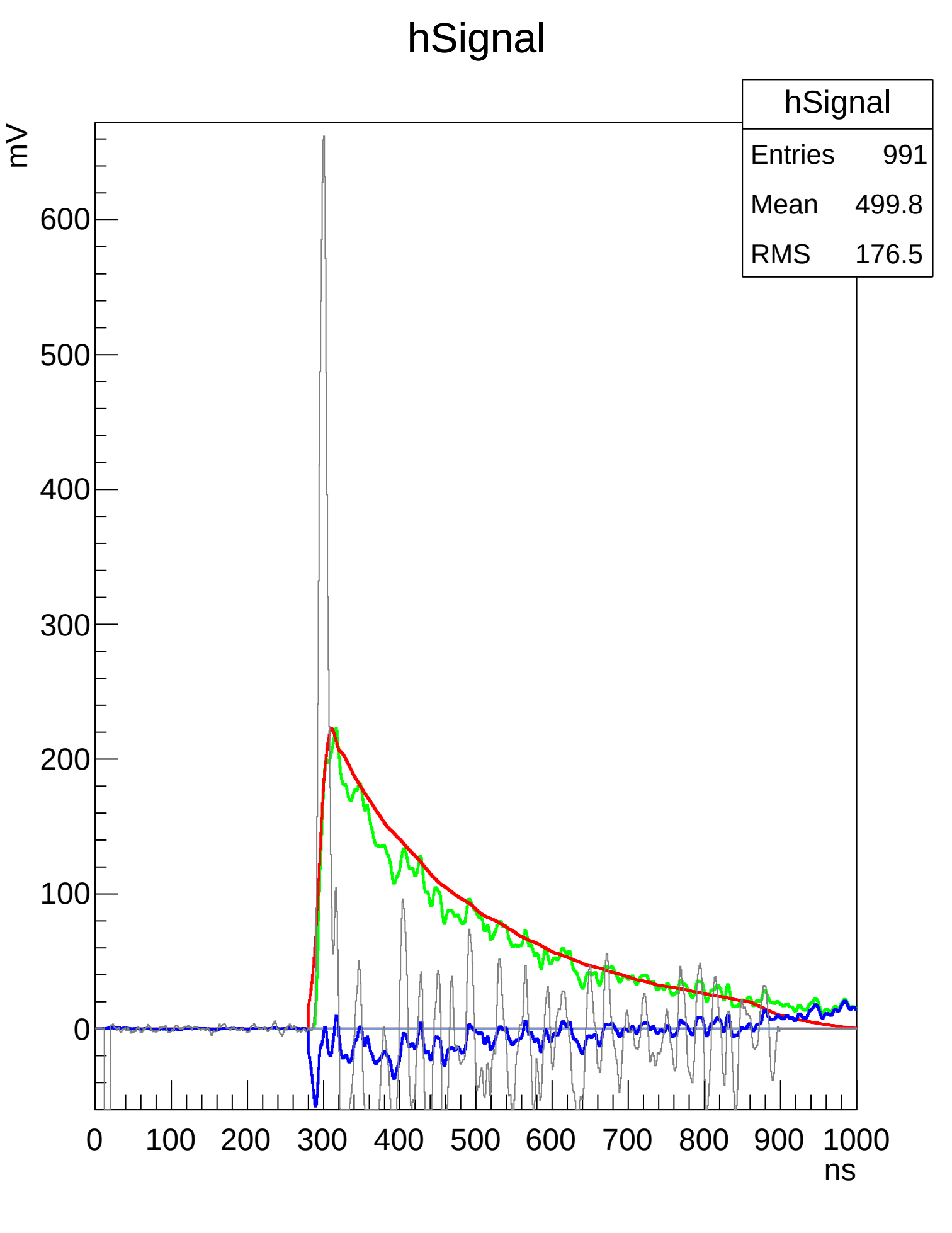

hSignal
hSignal
Entries 991
Mean 526.8
RMS 166.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

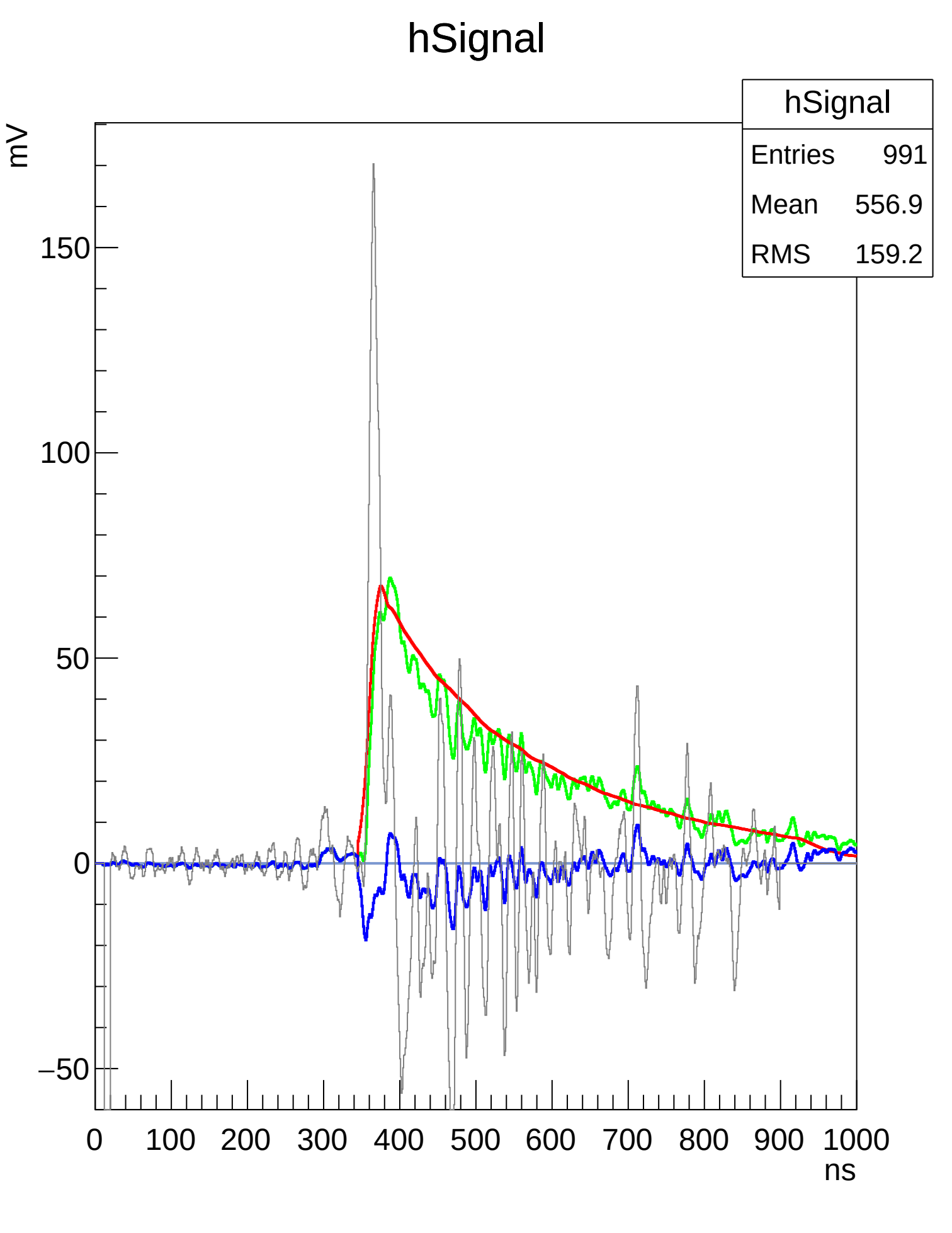

hSignal
hSignal
Entries 991
Mean 523.8
RMS 173.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

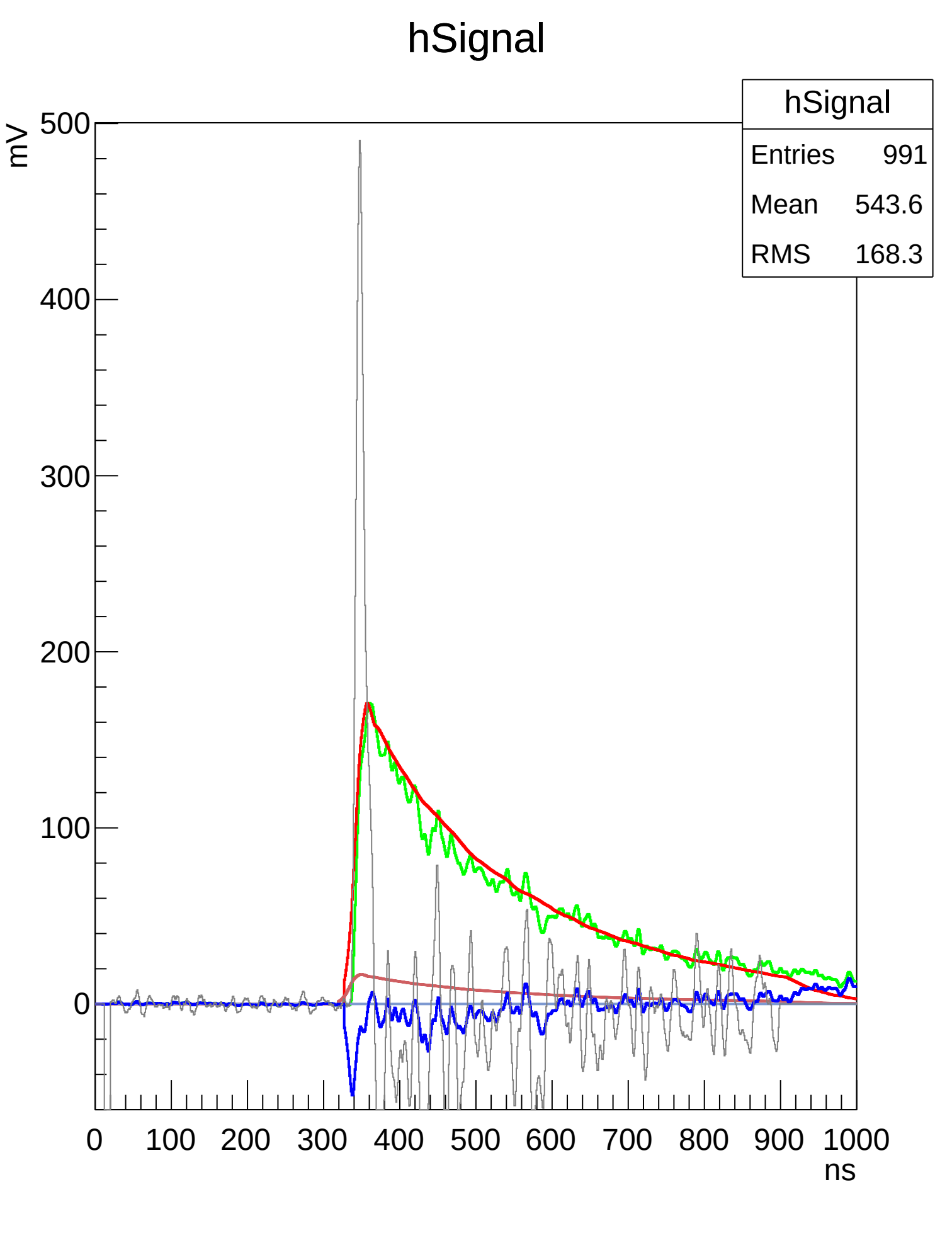

hSignal
hSignal
Entries 991
Mean 547.1
RMS 159.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

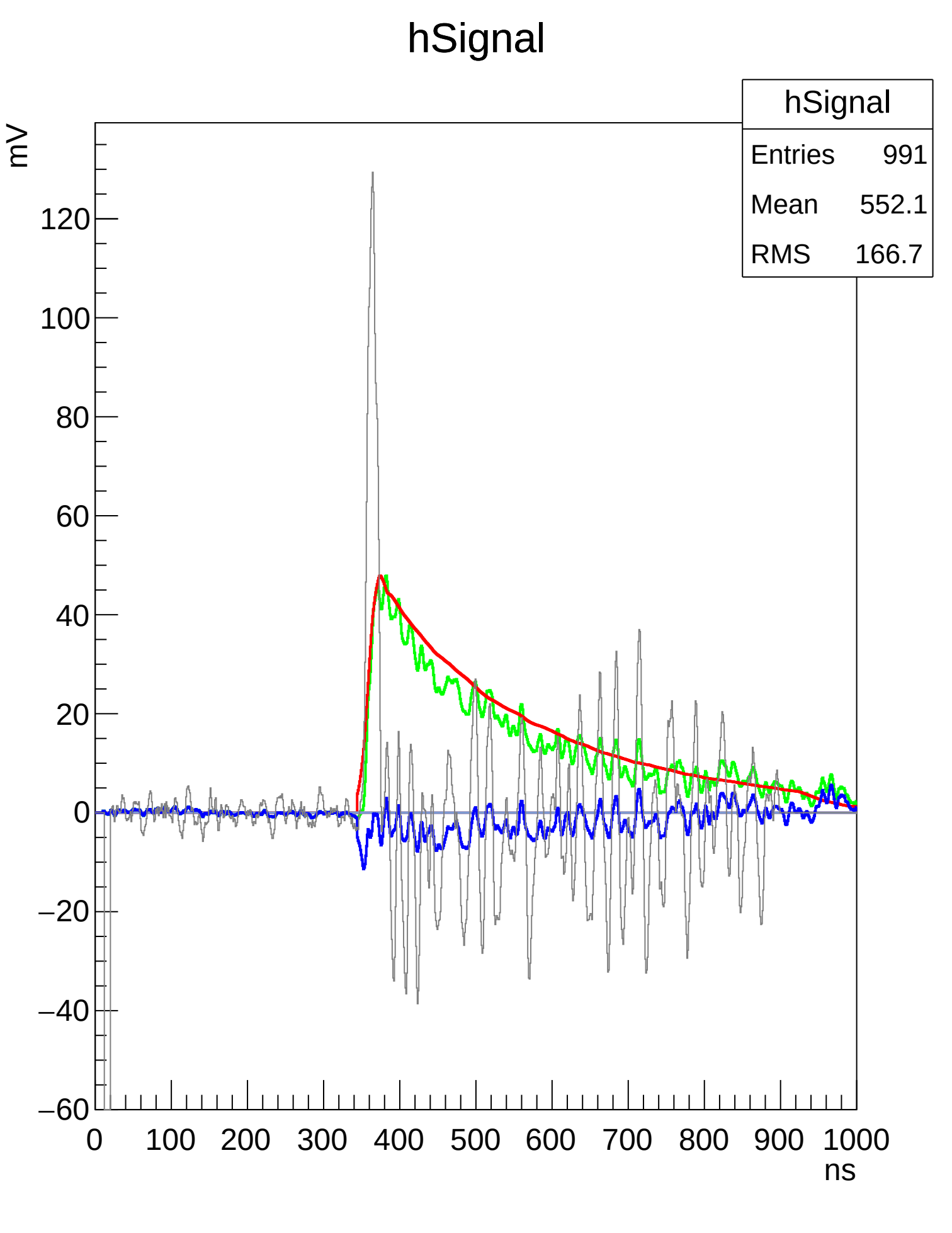

hSignal
hSignal
Entries 991
Mean 550.6
RMS 165.8
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

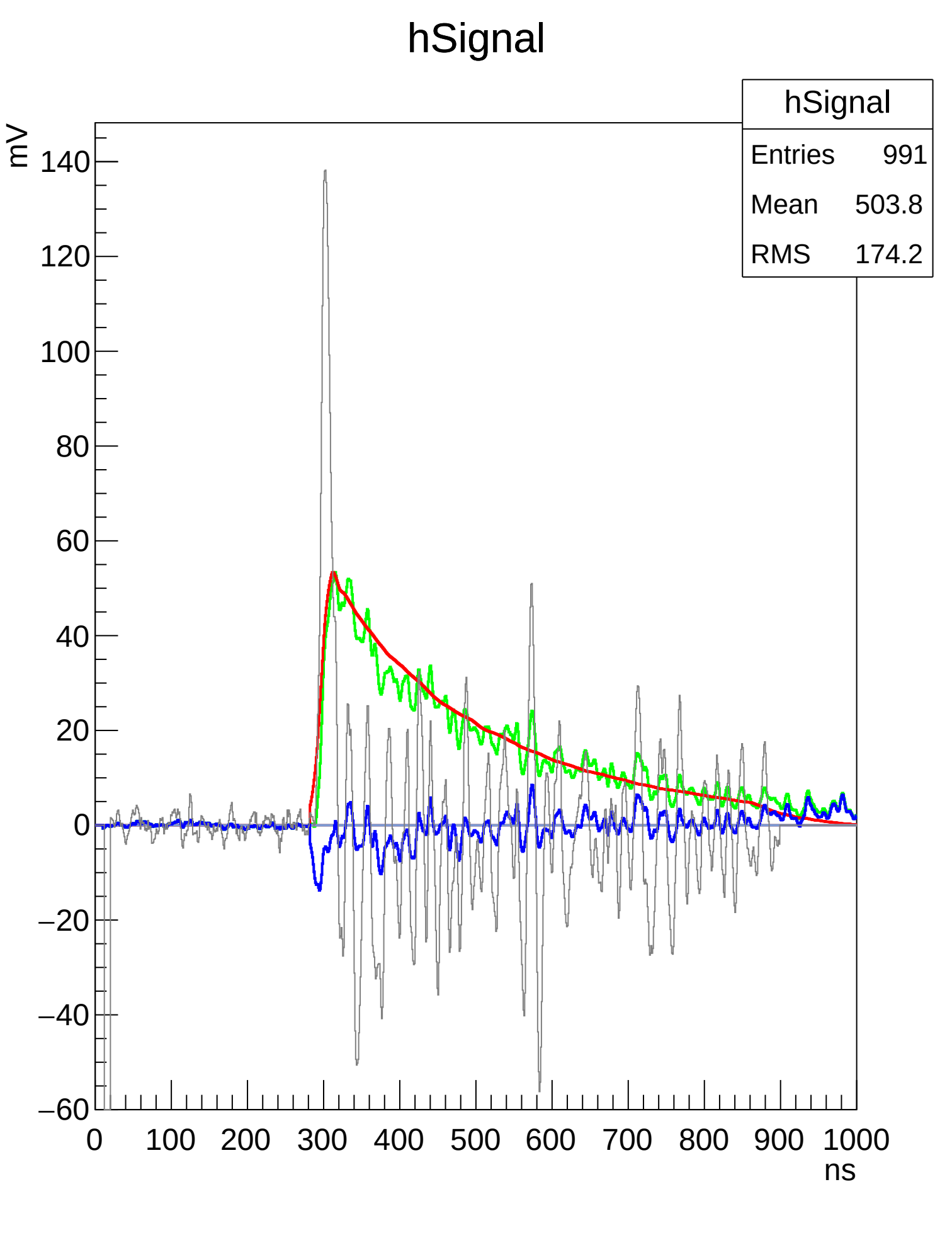

hSignal
hSignal
Entries 991
Mean 558.4
RMS 145.7
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

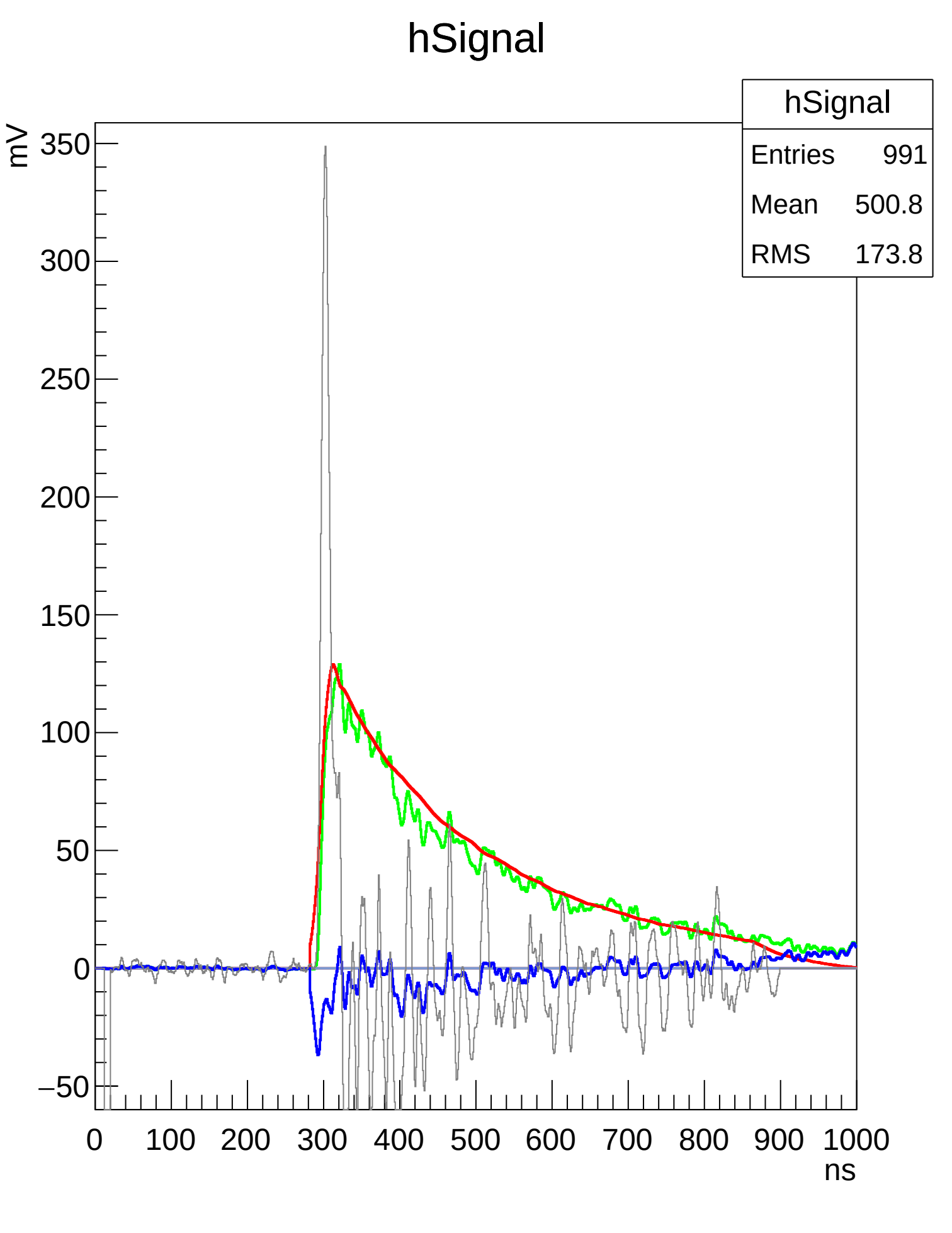

hSignal
hSignal
Entries 991
Mean 499.8
RMS 176.5
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

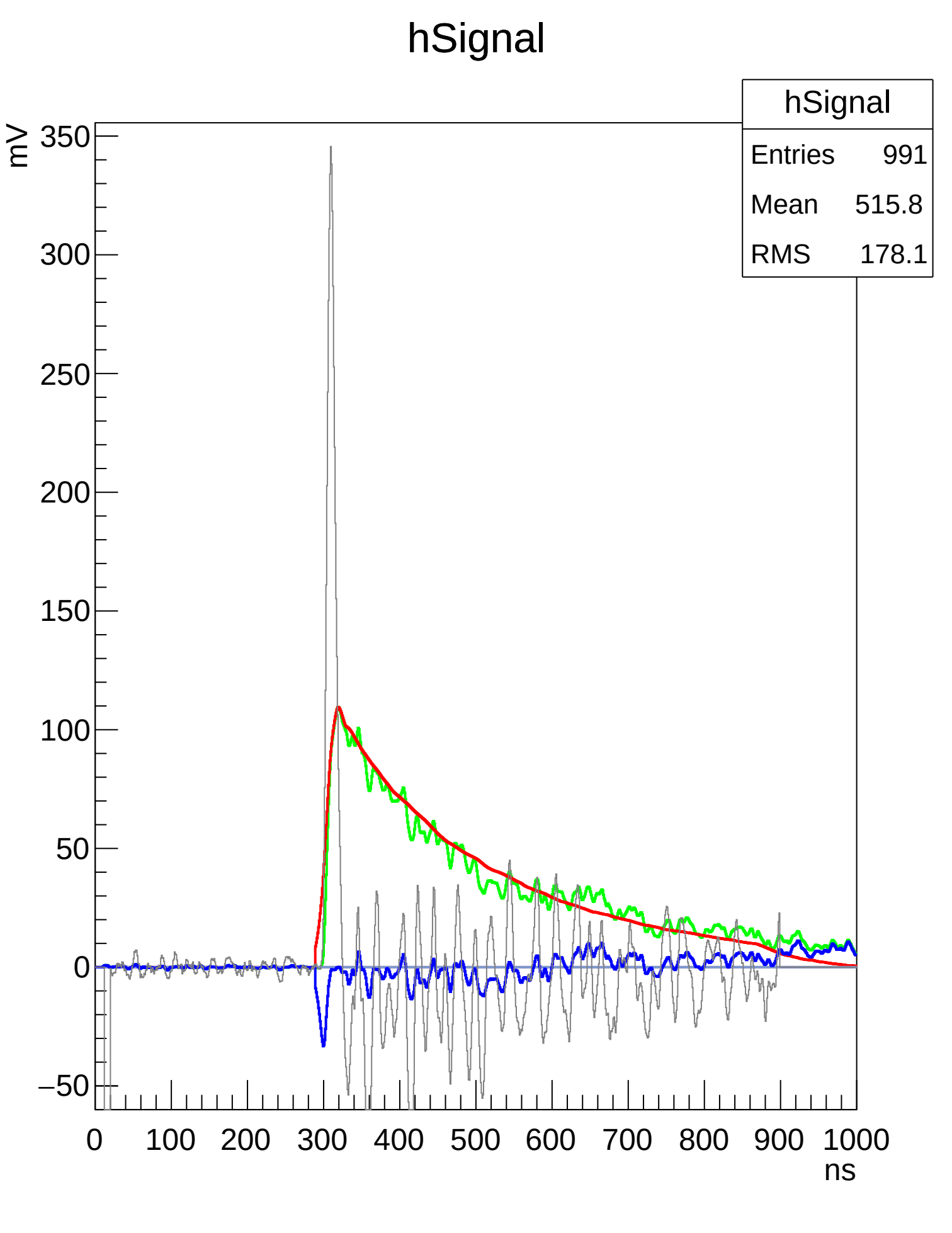

hSignal
hSignal
Entries 991
Mean 556.9
RMS 159.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

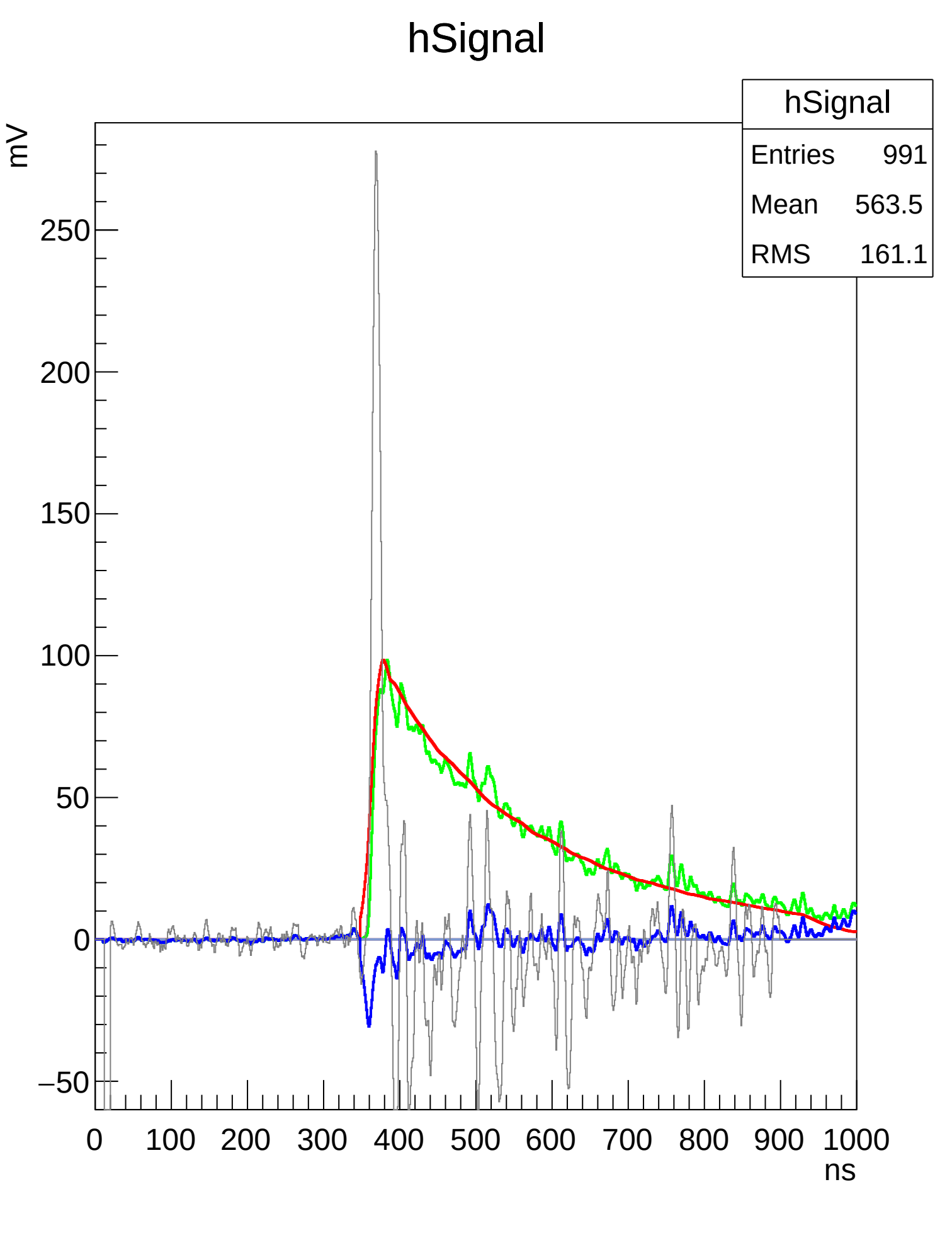

hSignal
hSignal
Entries 991
Mean 543.6
RMS 168.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

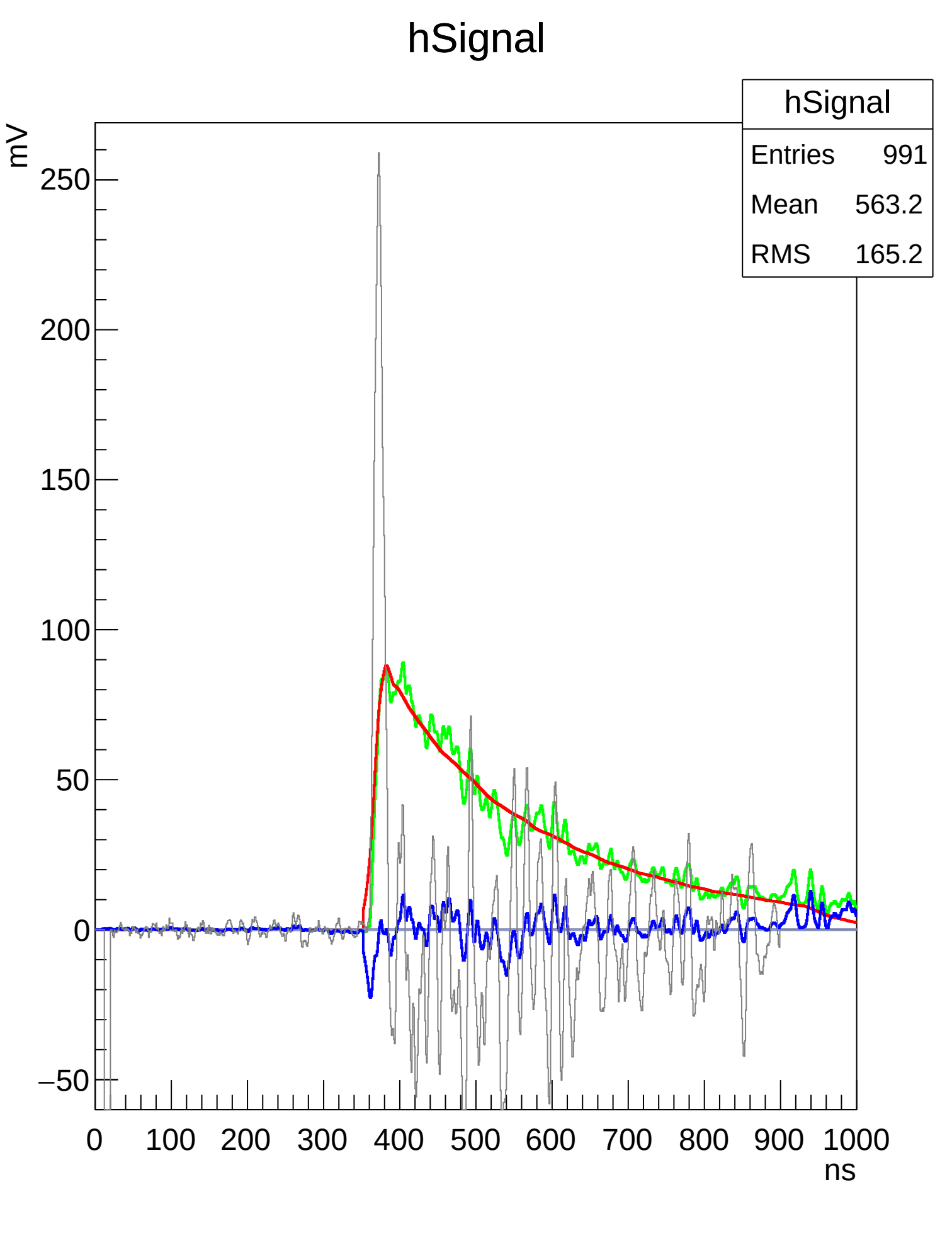

hSignal
hSignal
Entries 991
Mean 552.1
RMS 166.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

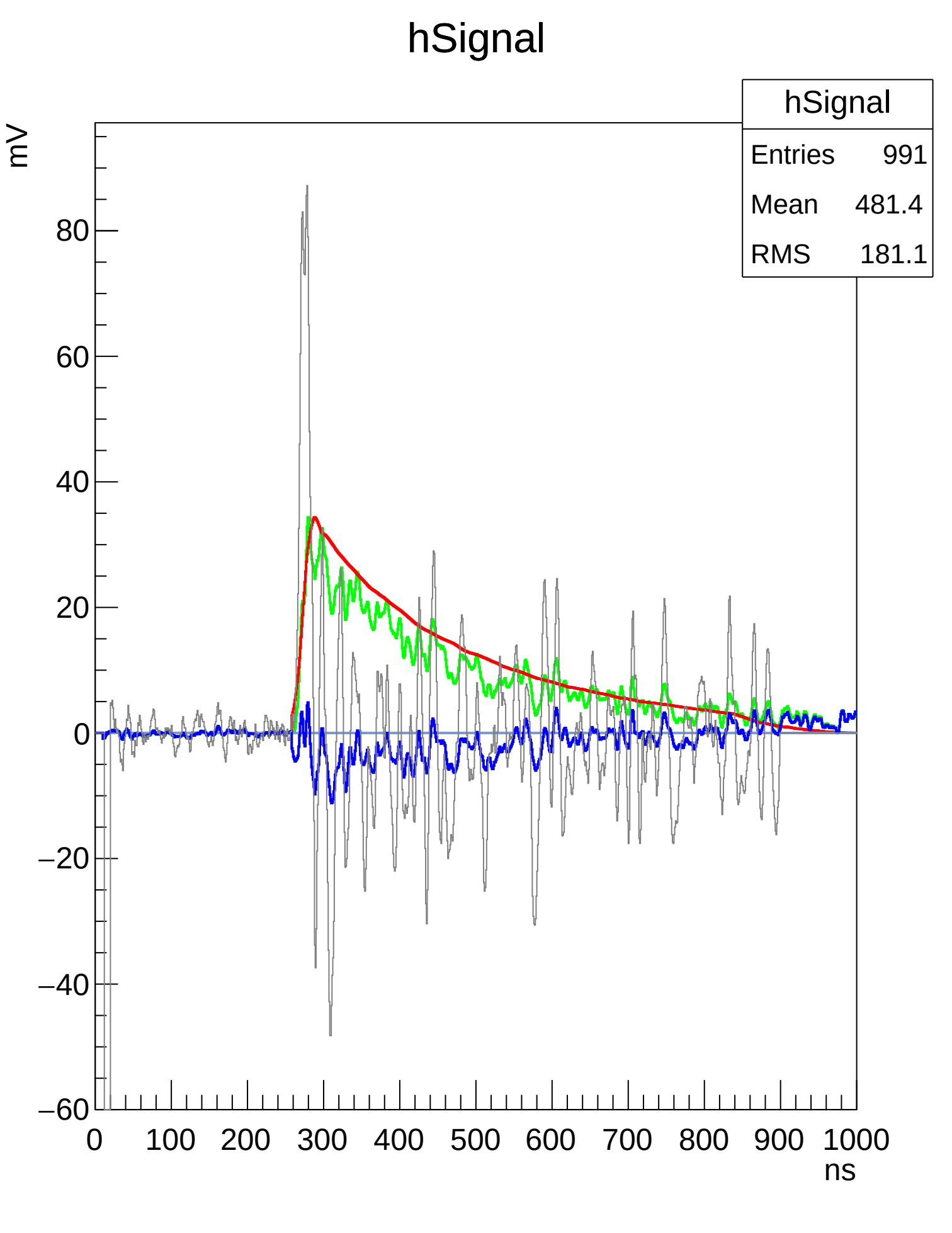

hSignal
hSignal
Entries 991
Mean 503.8
RMS 174.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

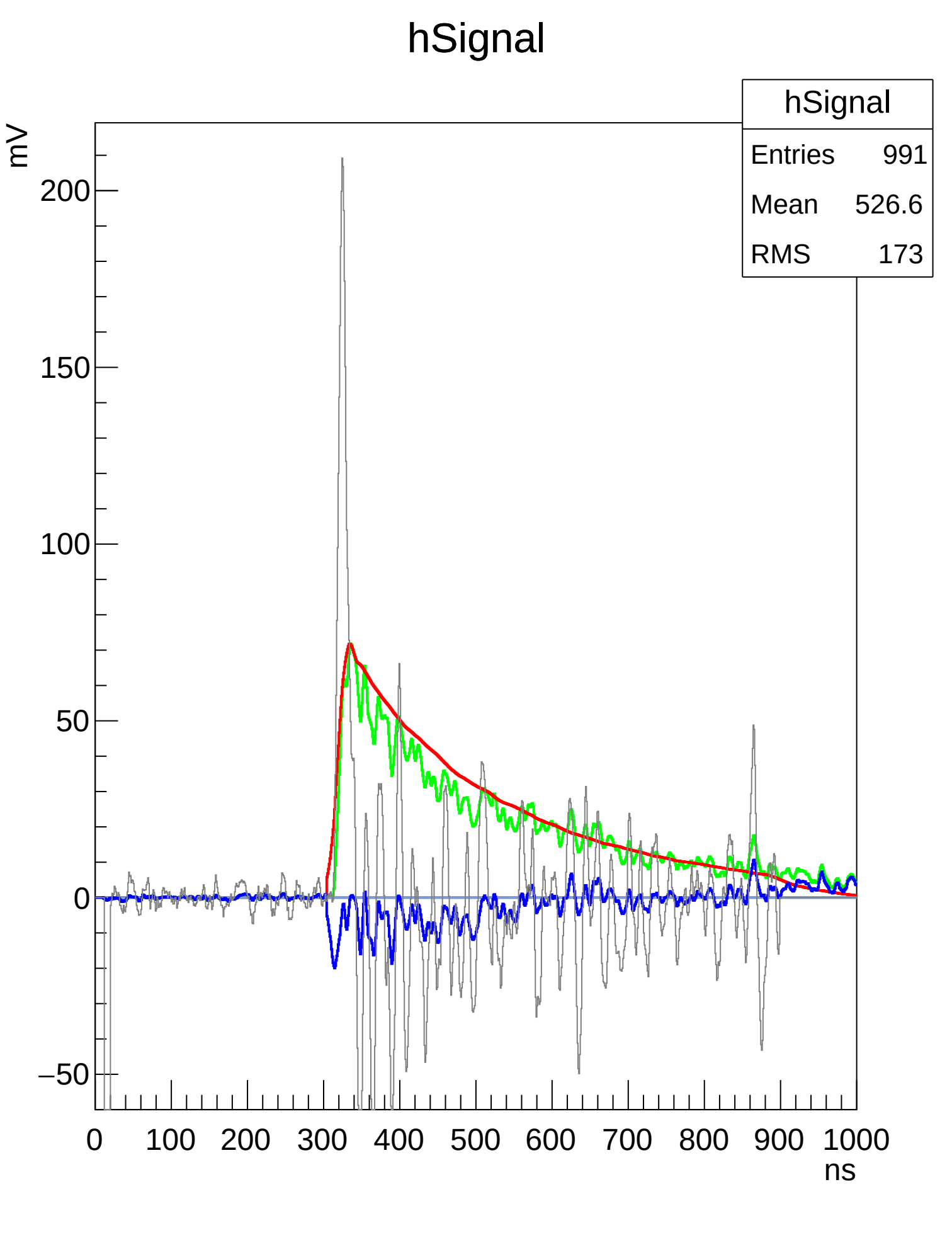

hSignal
hSignal
Entries 991
Mean 500.8
RMS 173.8
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

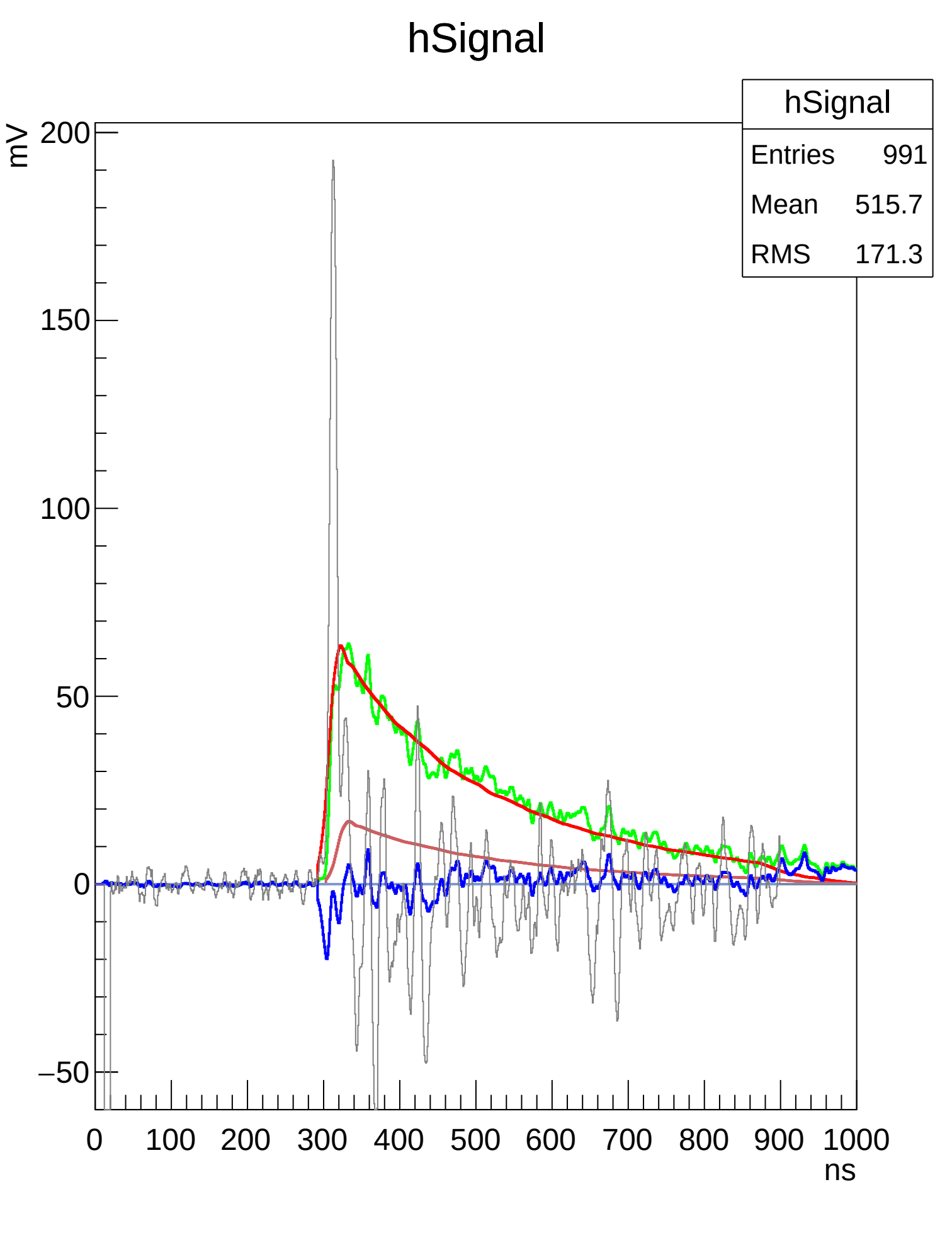

hSignal
hSignal
Entries 991
Mean 515.8
RMS 178.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

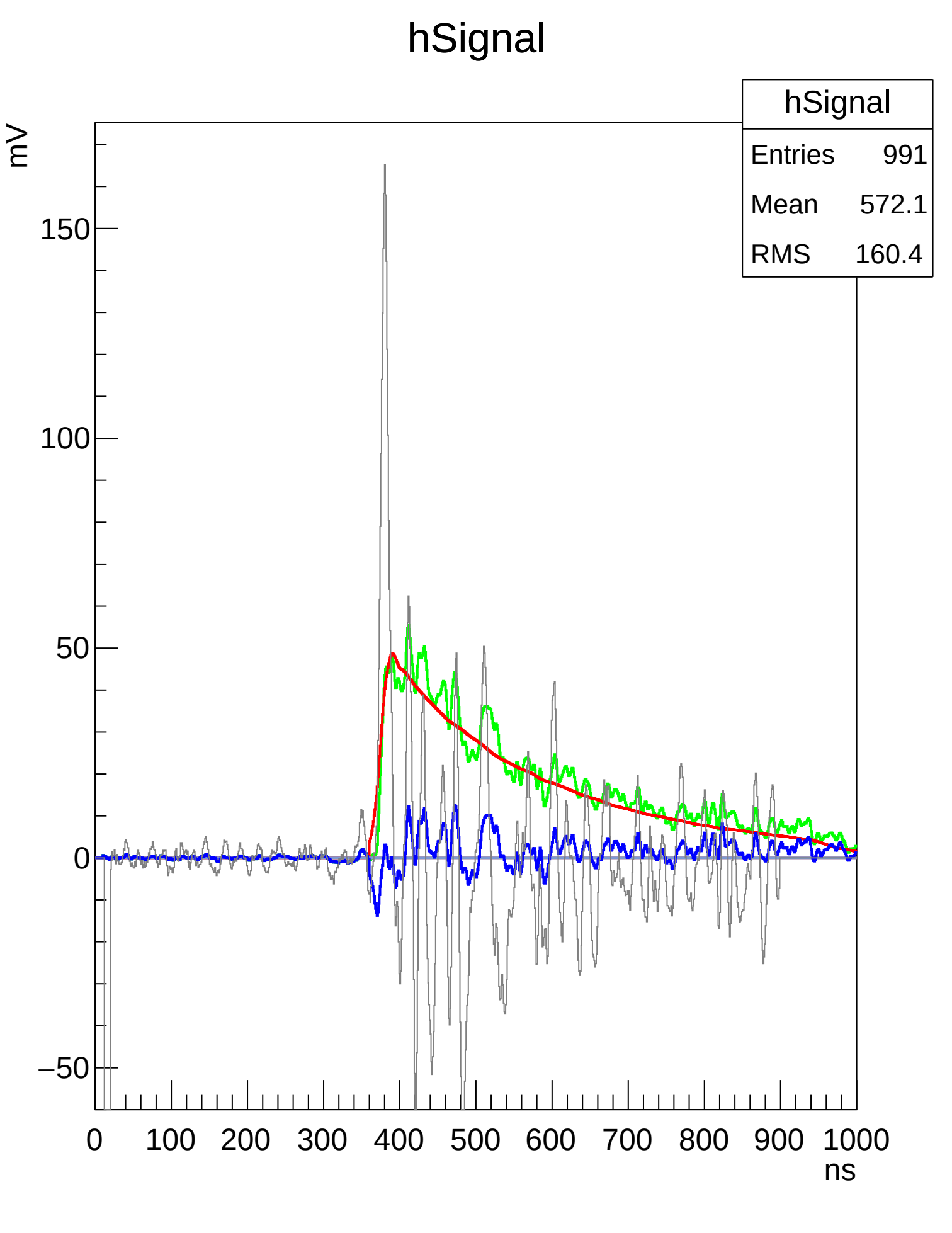

hSignal
hSignal
Entries 991
Mean 563.5
RMS 161.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

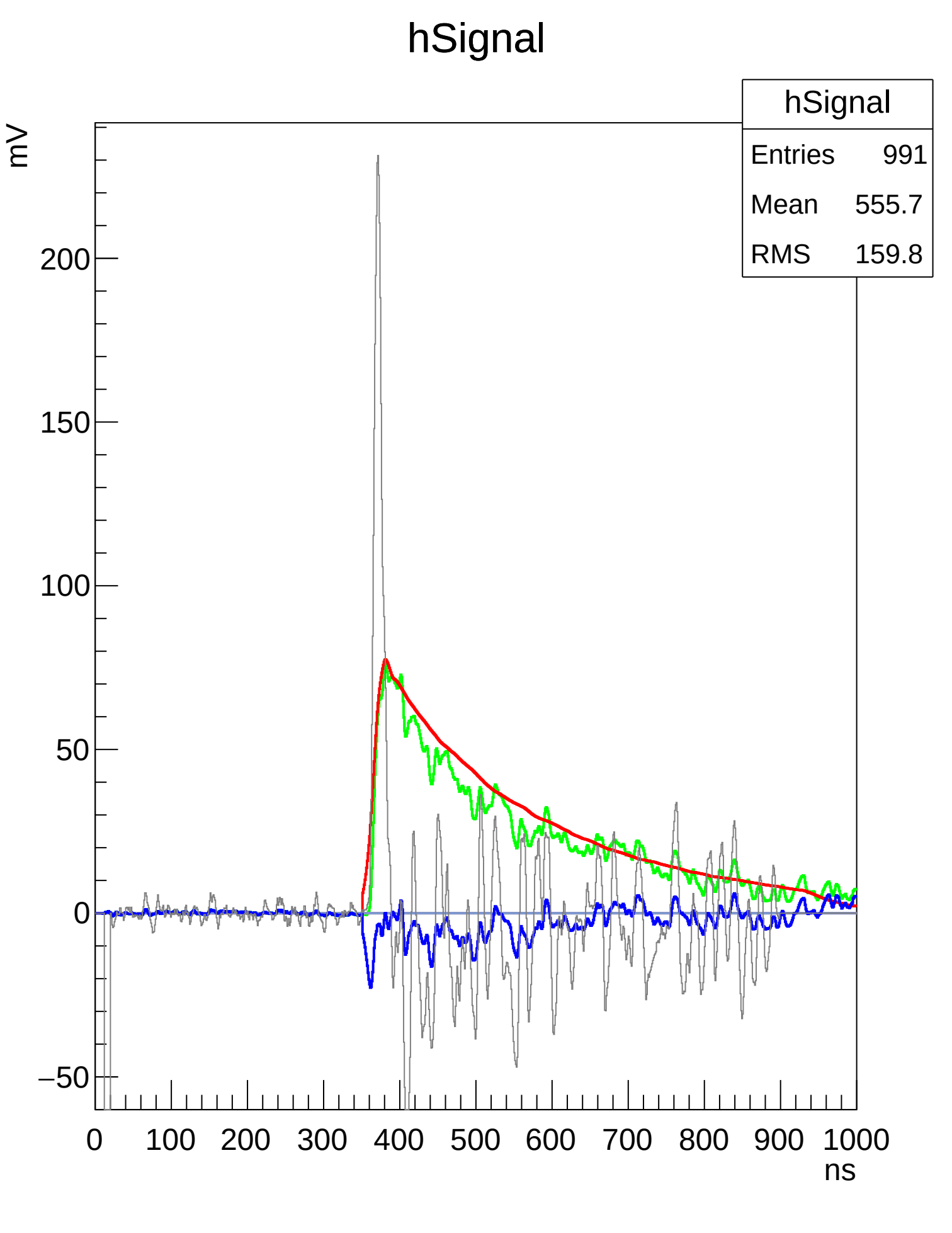

hSignal
hSignal
Entries 991
Mean 563.2
RMS 165.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

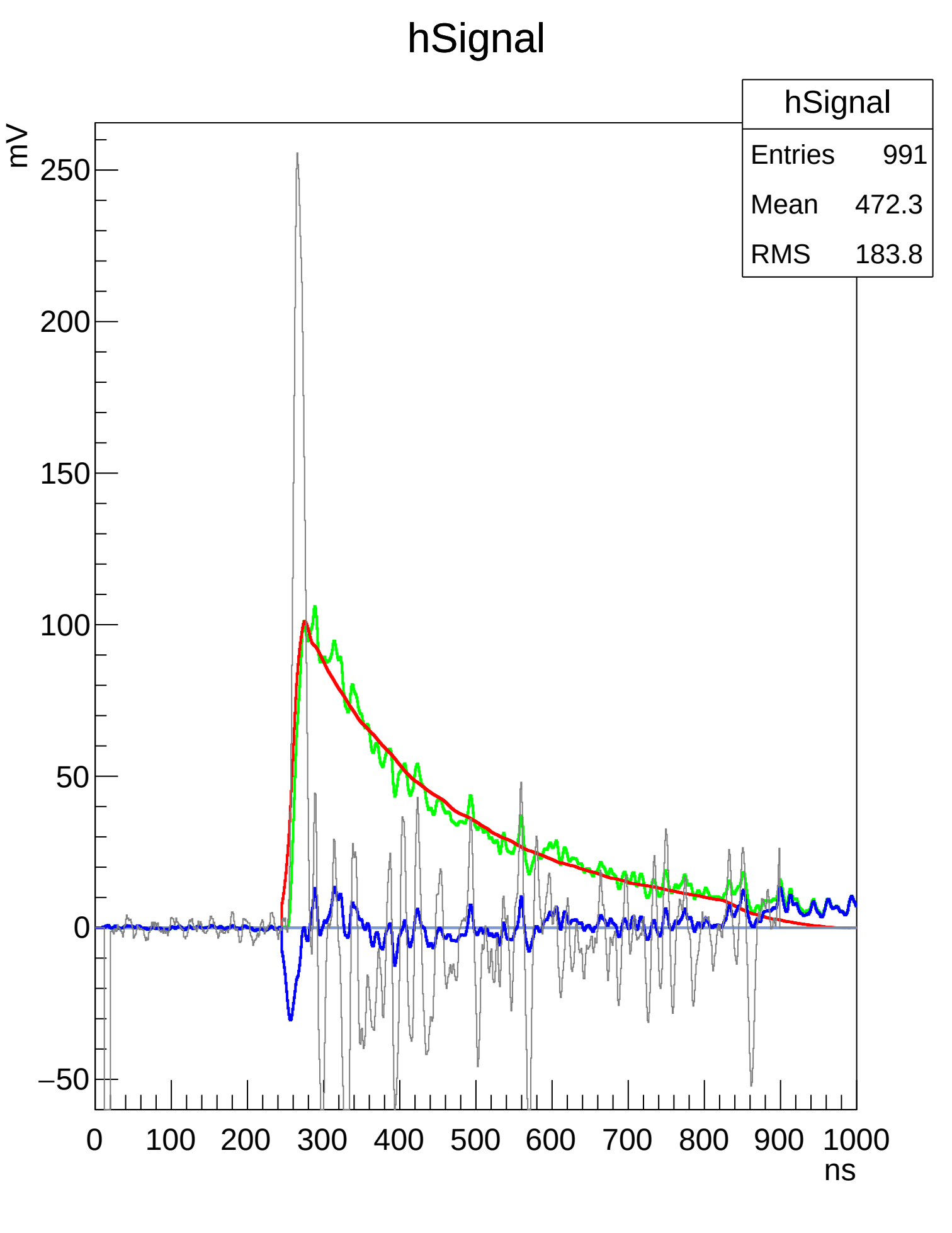

hSignal
hSignal
Entries 991
Mean 481.4
RMS 181.1
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

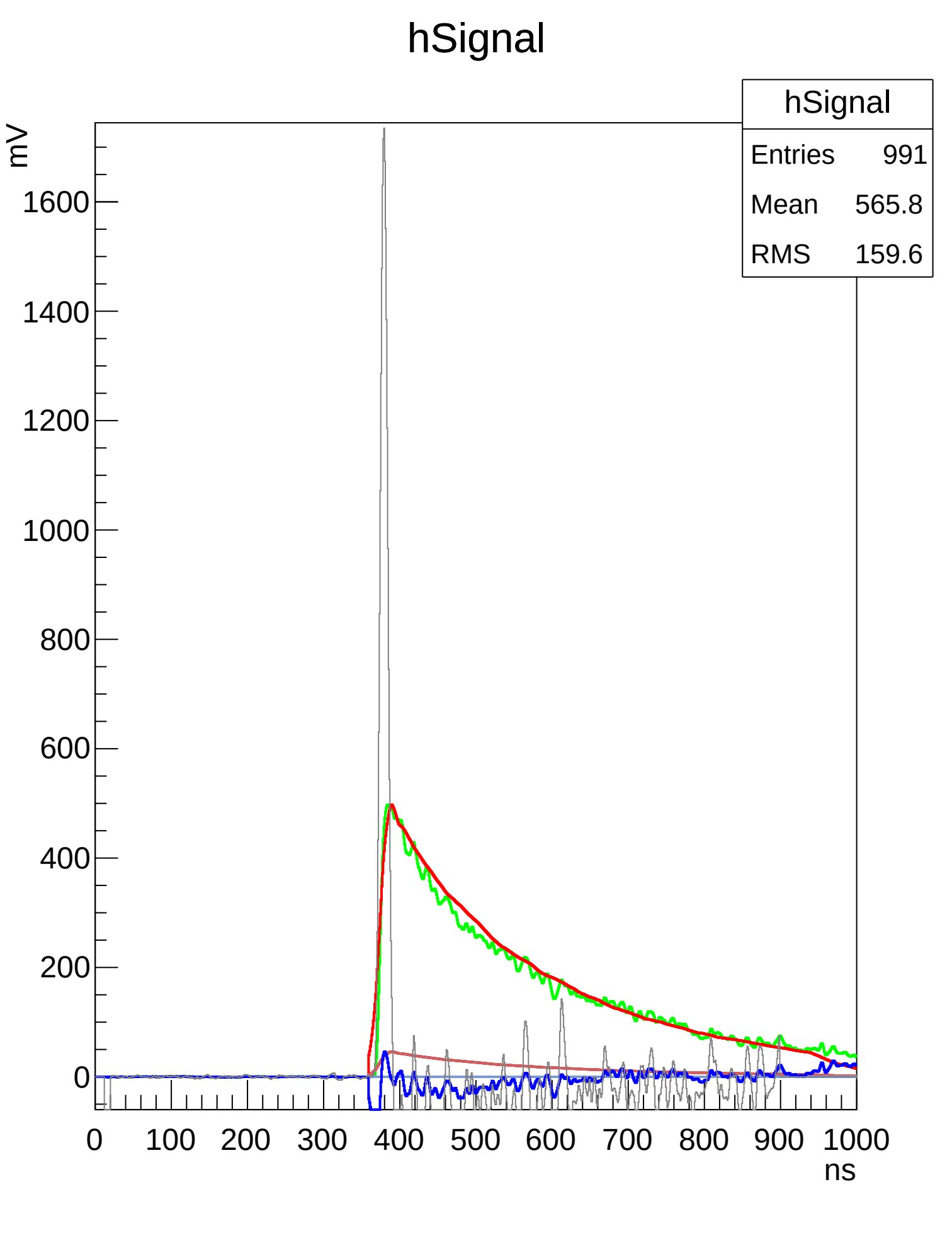

hSignal
hSignal
Entries 991
Mean 526.6
RMS 173
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

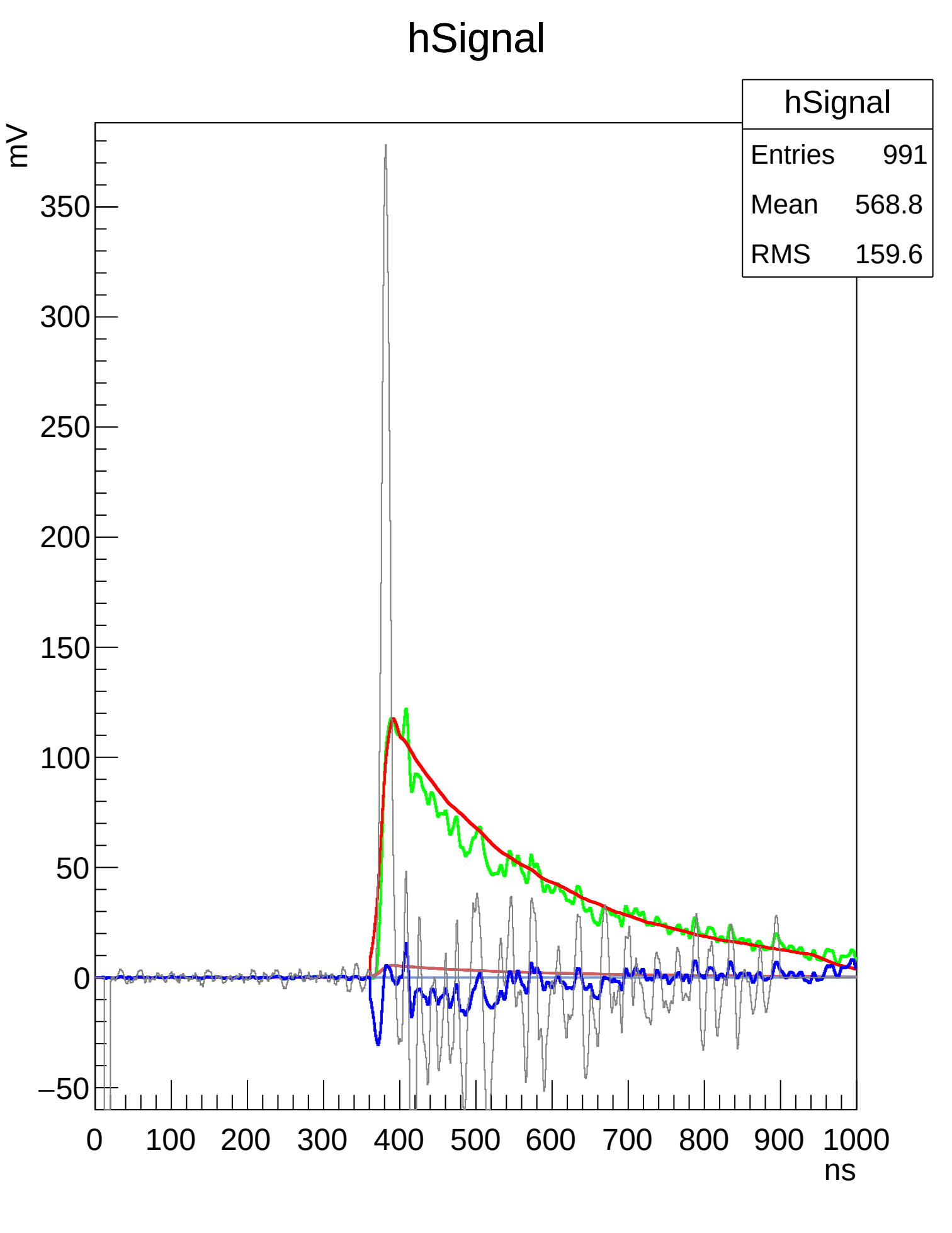

hSignal
hSignal
Entries 991
Mean 515.7
RMS 171.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

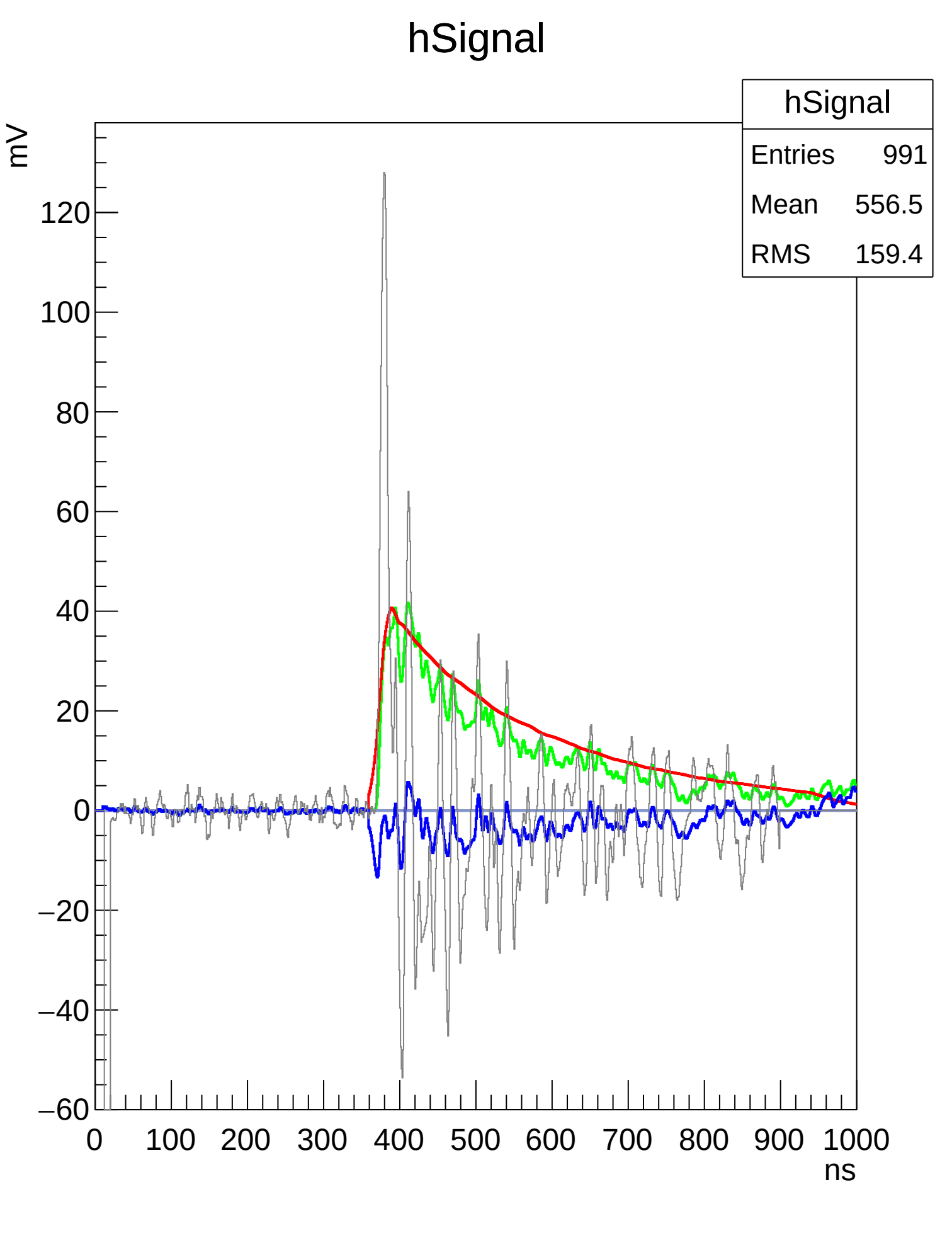

hSignal
hSignal
Entries 991
Mean 572.1
RMS 160.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

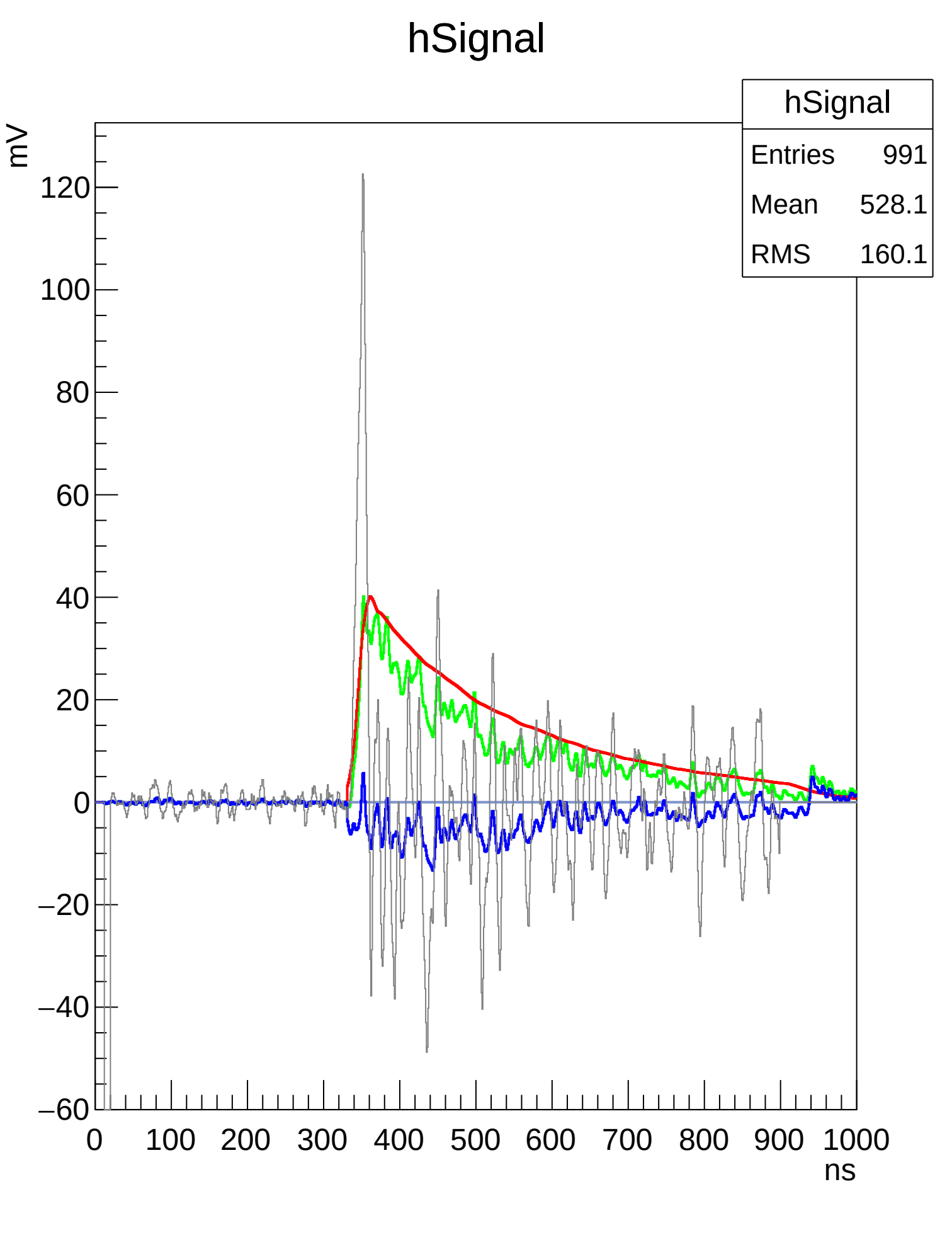

hSignal
hSignal
Entries 991
Mean 555.7
RMS 159.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

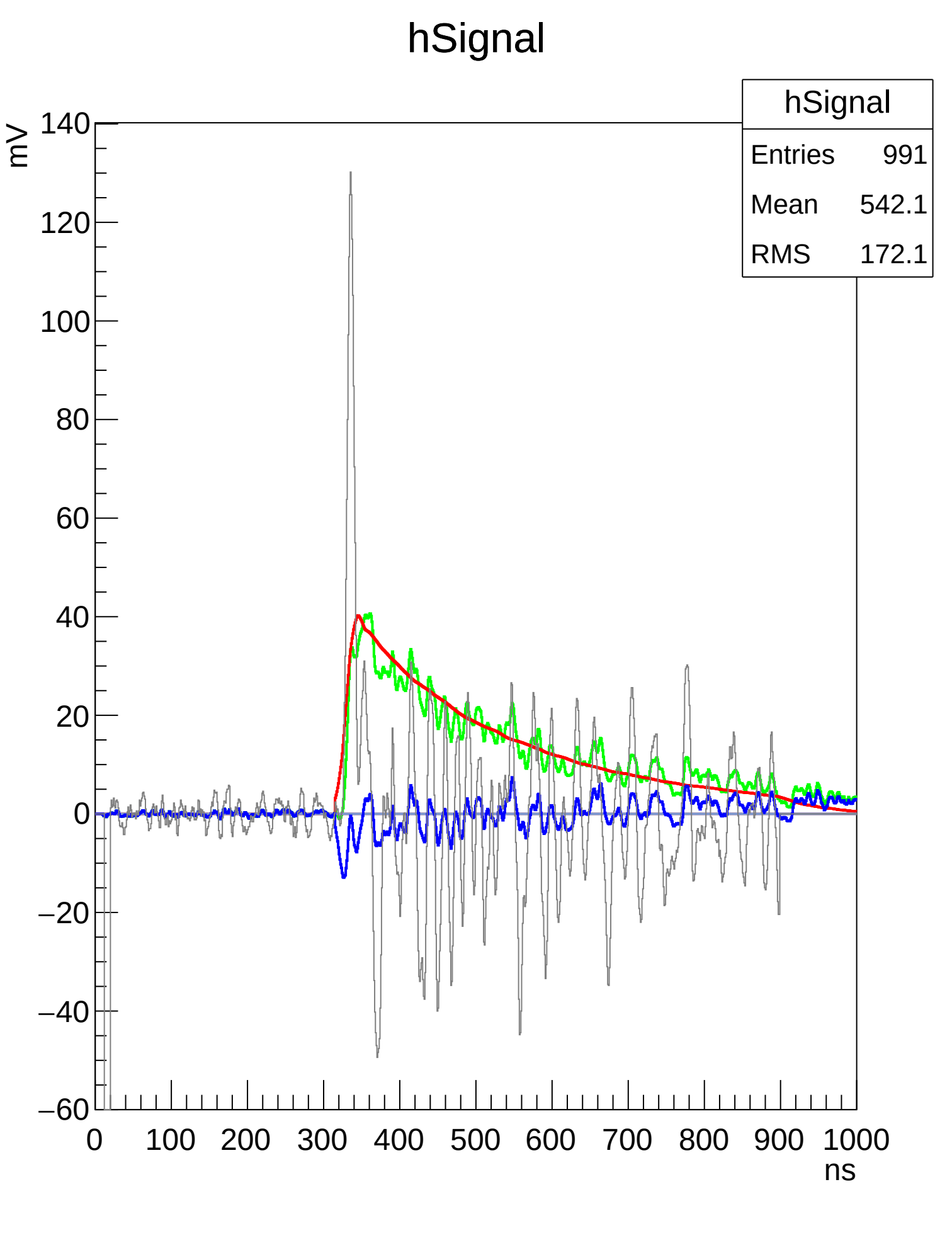

hSignal
hSignal
Entries 991
Mean 472.3
RMS 183.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

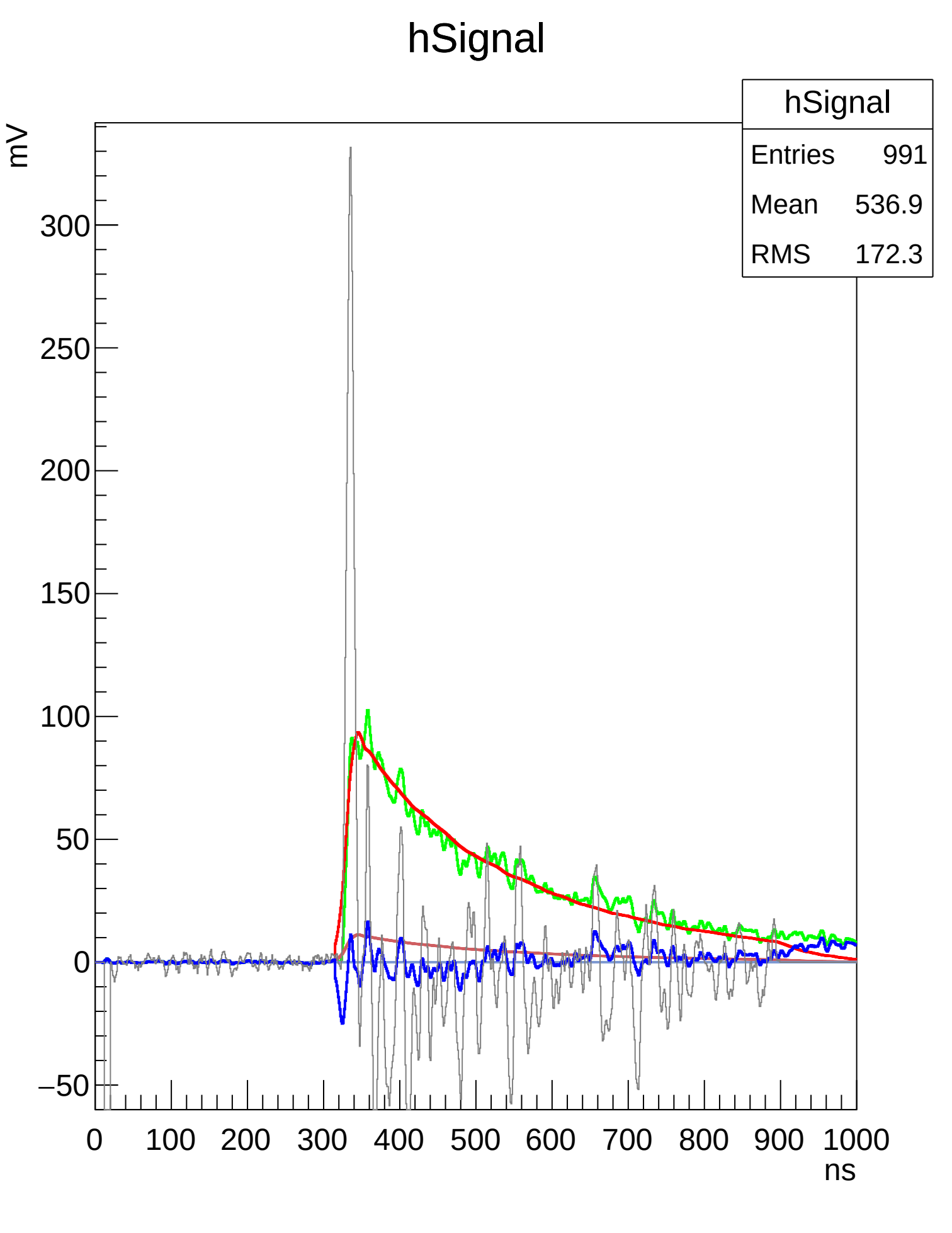

hSignal
hSignal
Entries 991
Mean 565.8
RMS 159.6
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

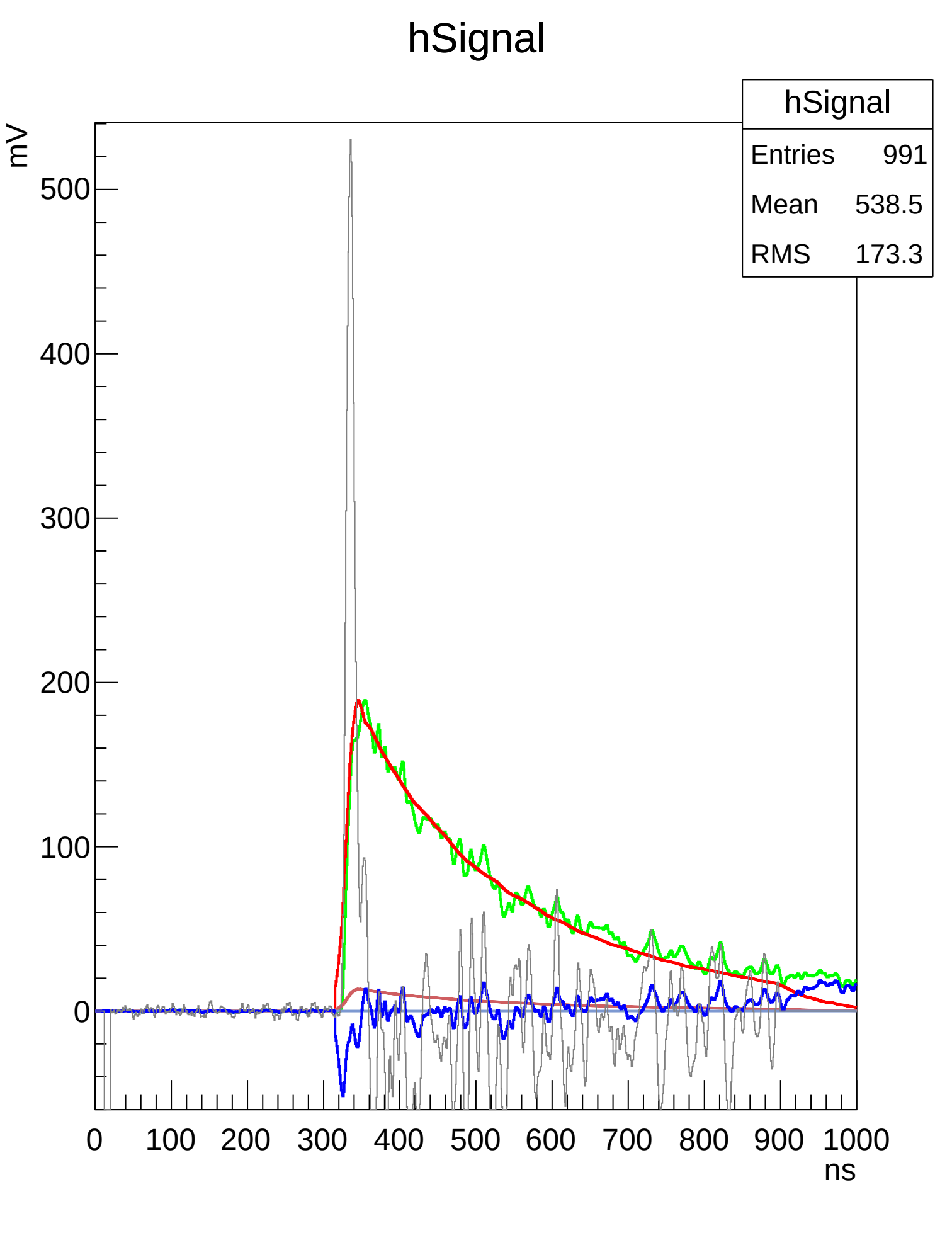

hSignal
hSignal
Entries 991
Mean 568.8
RMS 159.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

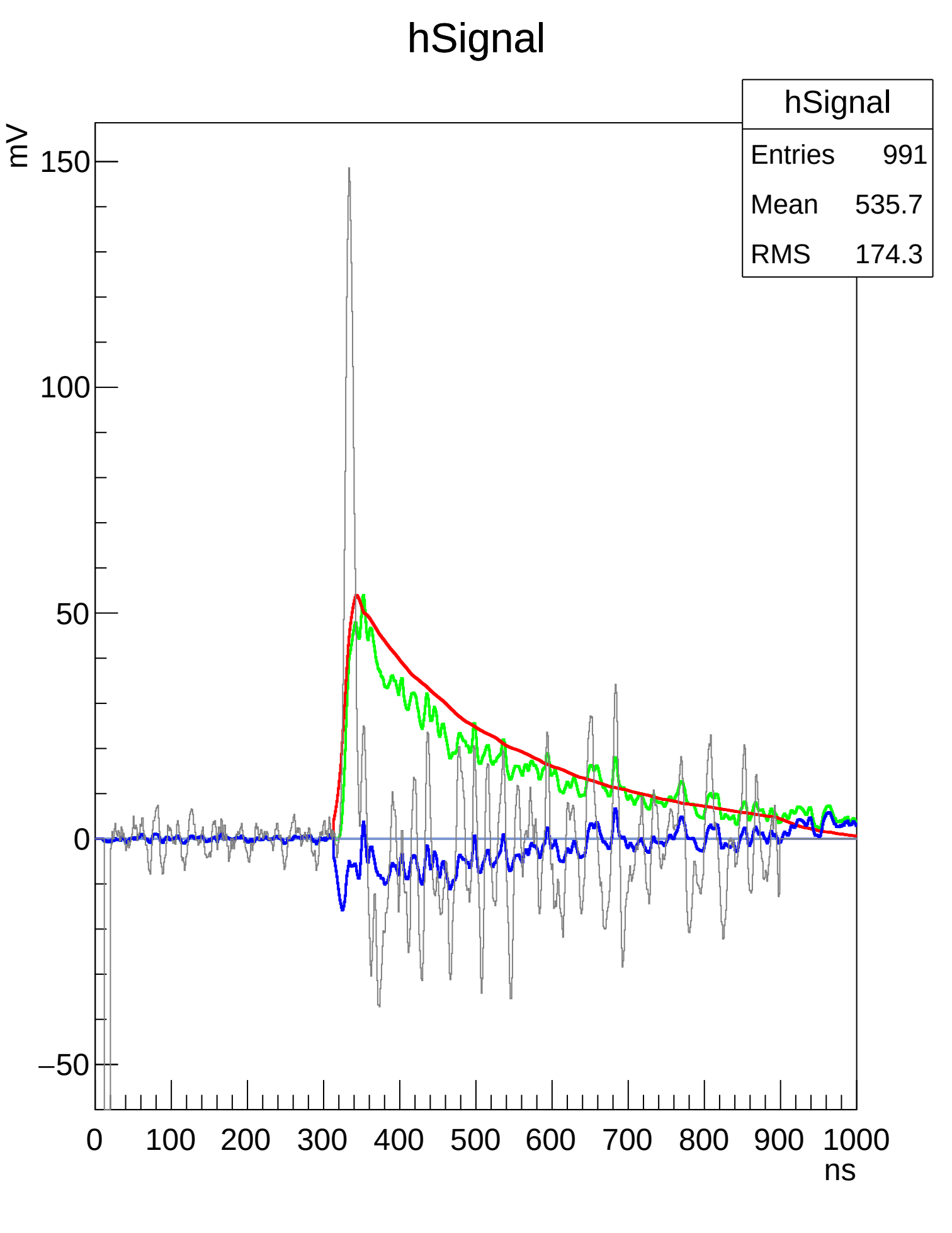

hSignal
hSignal
Entries 991
Mean 556.5
RMS 159.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

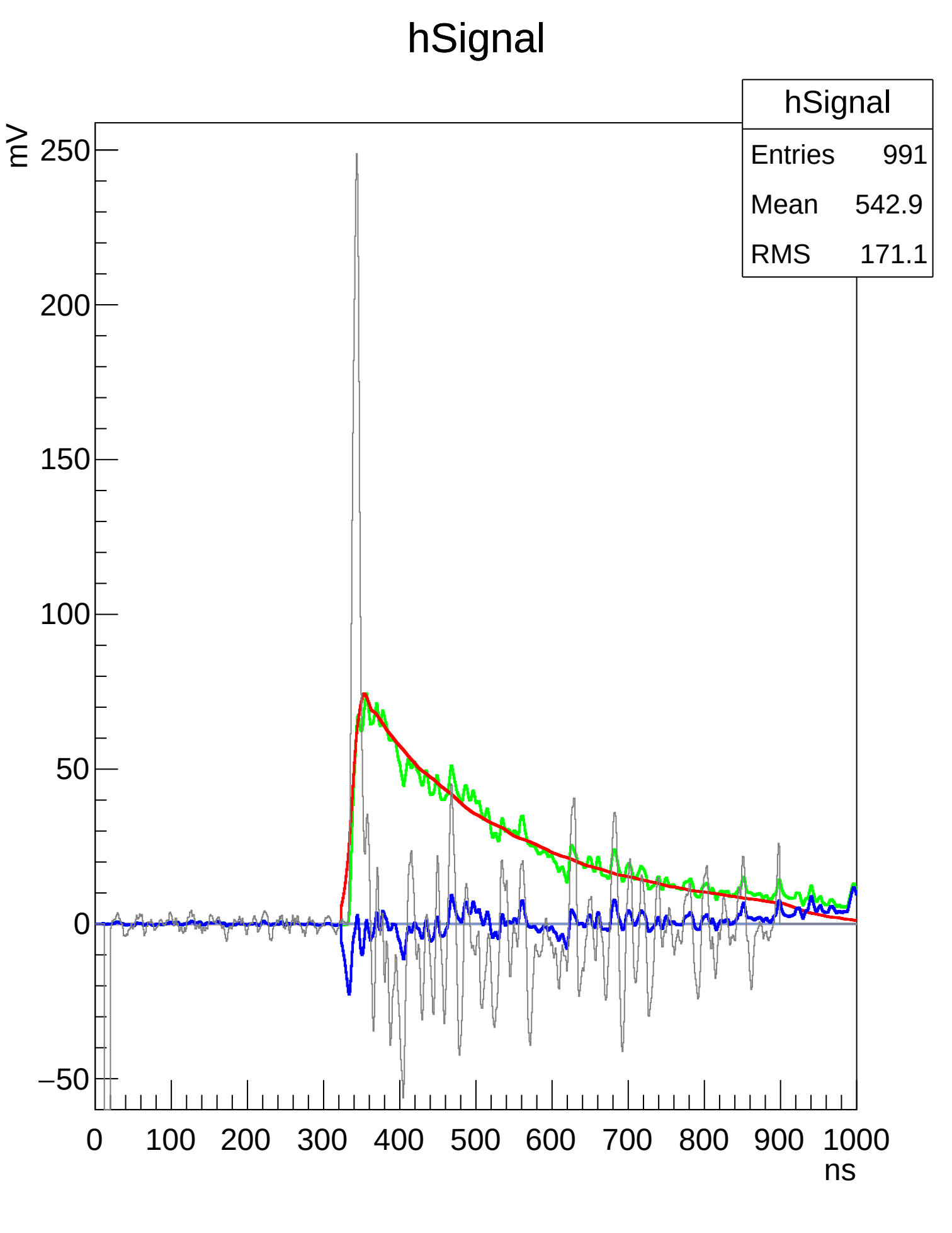

hSignal
hSignal
Entries 991
Mean 528.1
RMS 160.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

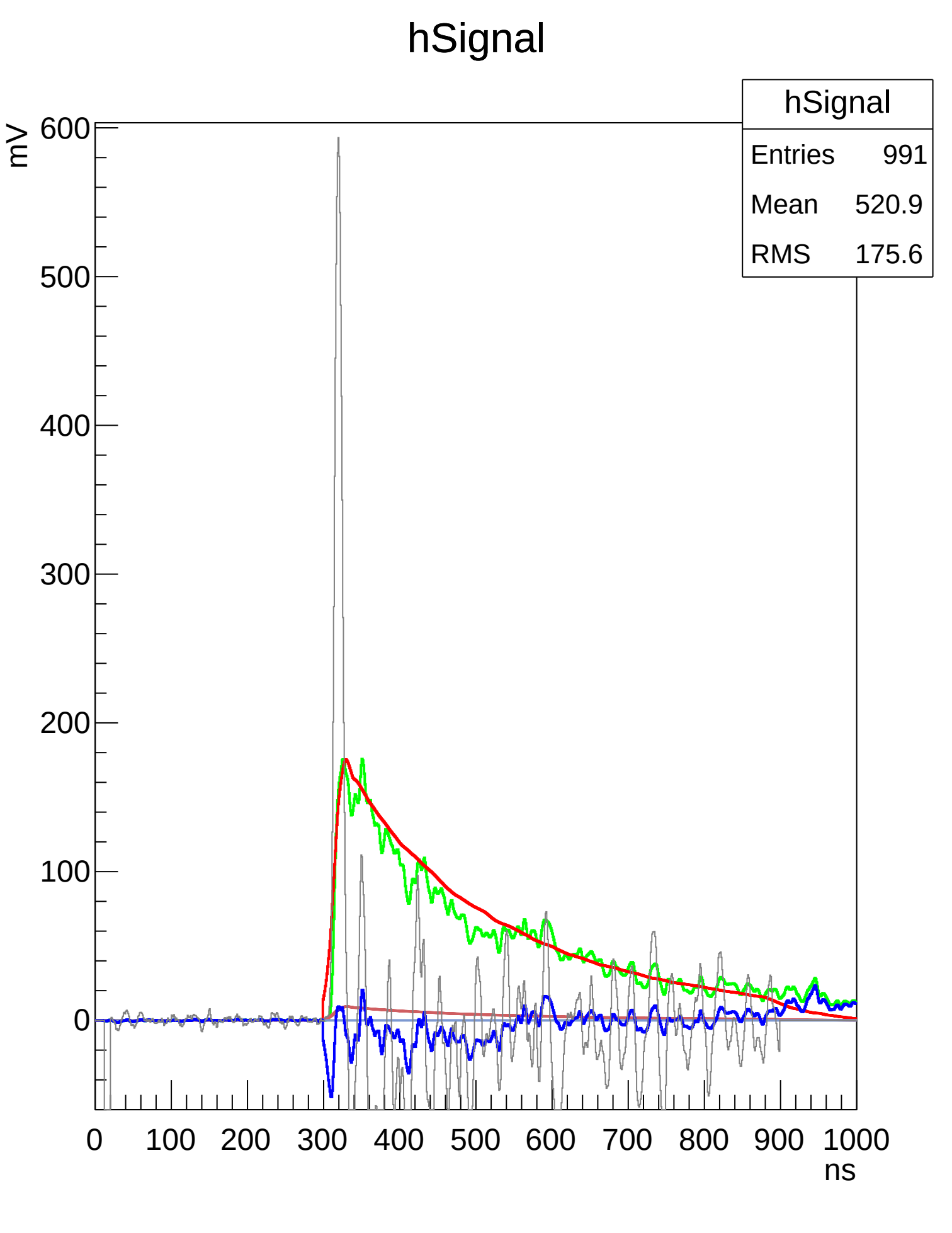

hSignal
hSignal
Entries 991
Mean 542.1
RMS 172.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

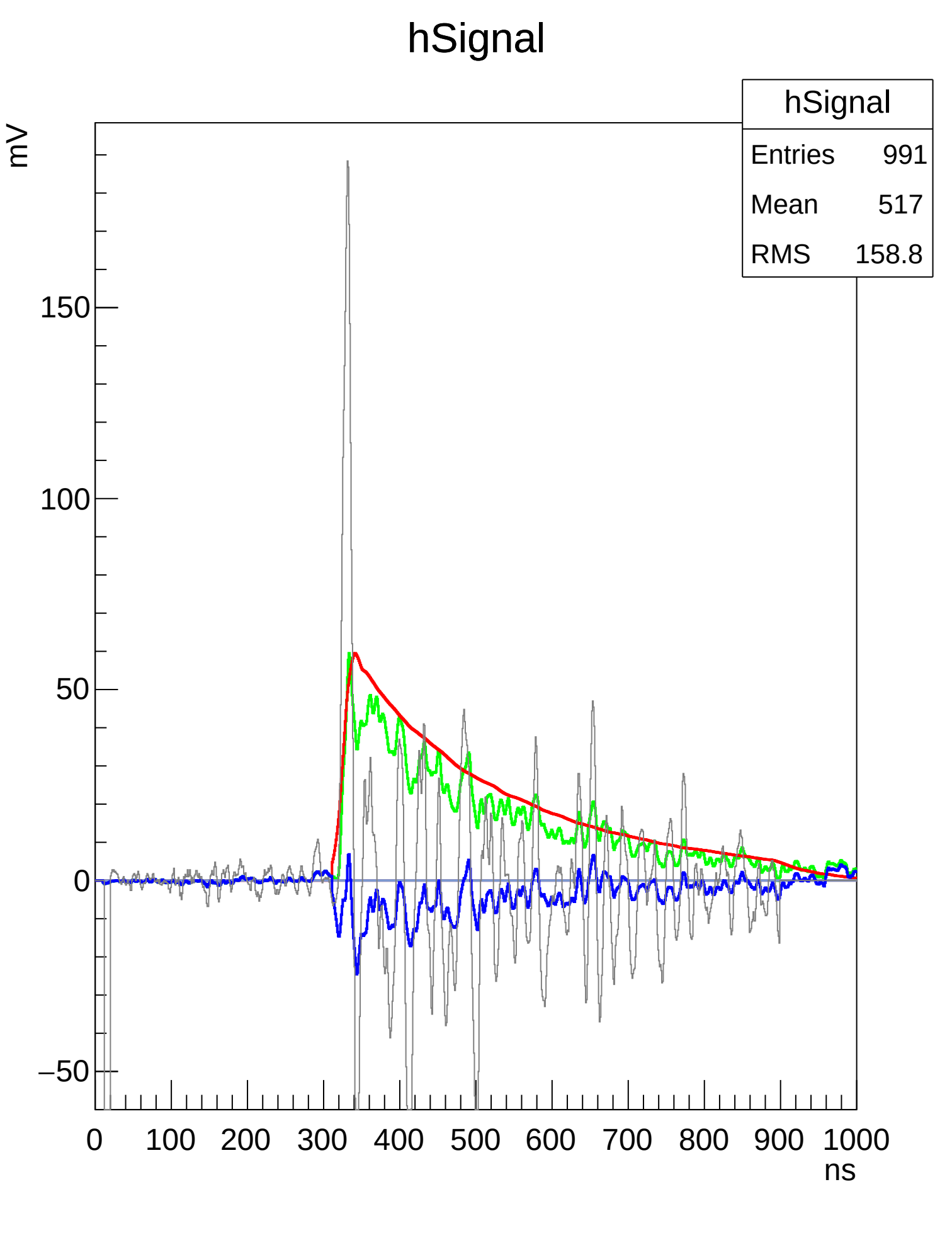

hSignal
hSignal
Entries 991
Mean 536.9
RMS 172.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

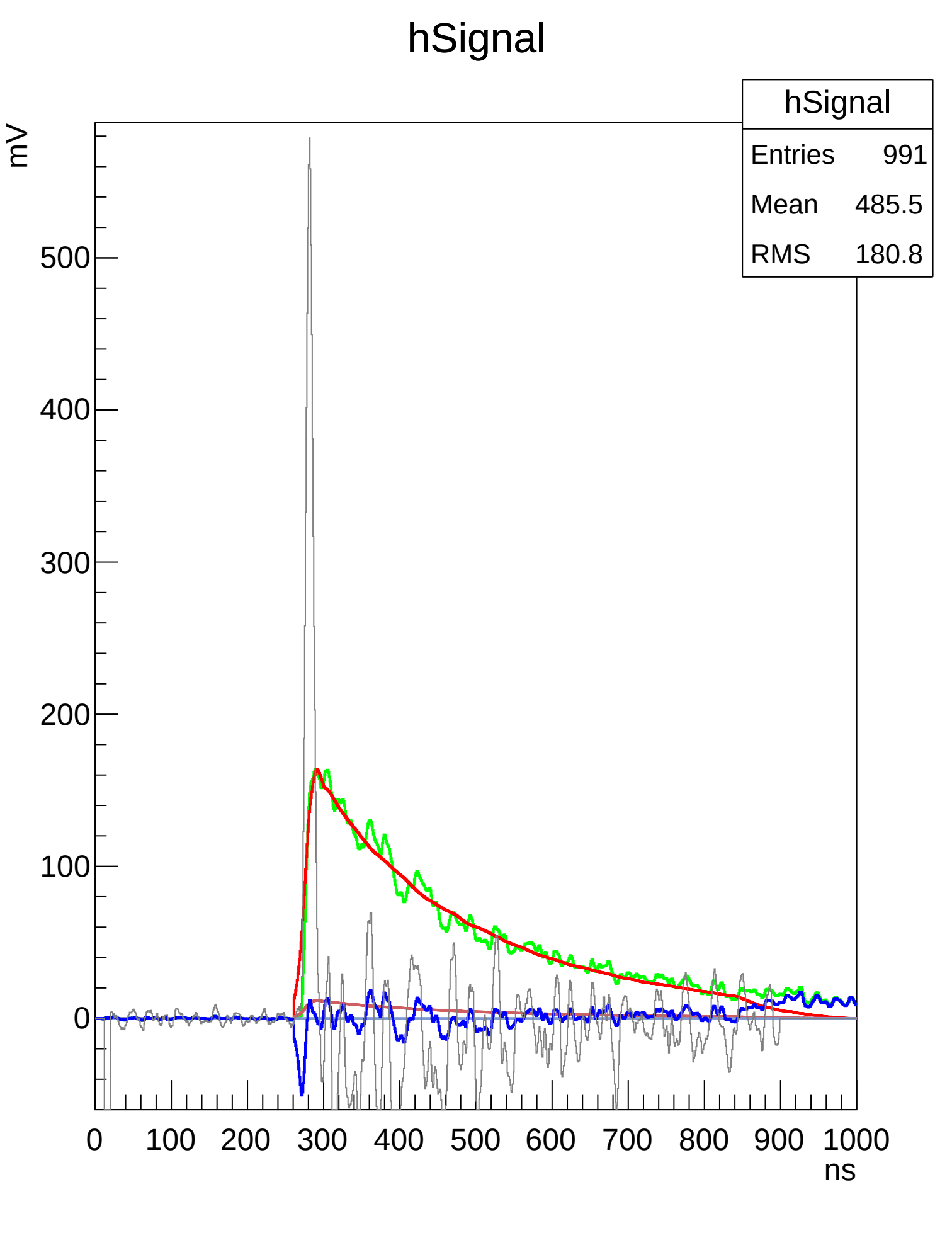

hSignal
hSignal
Entries 991
Mean 538.5
RMS 173.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

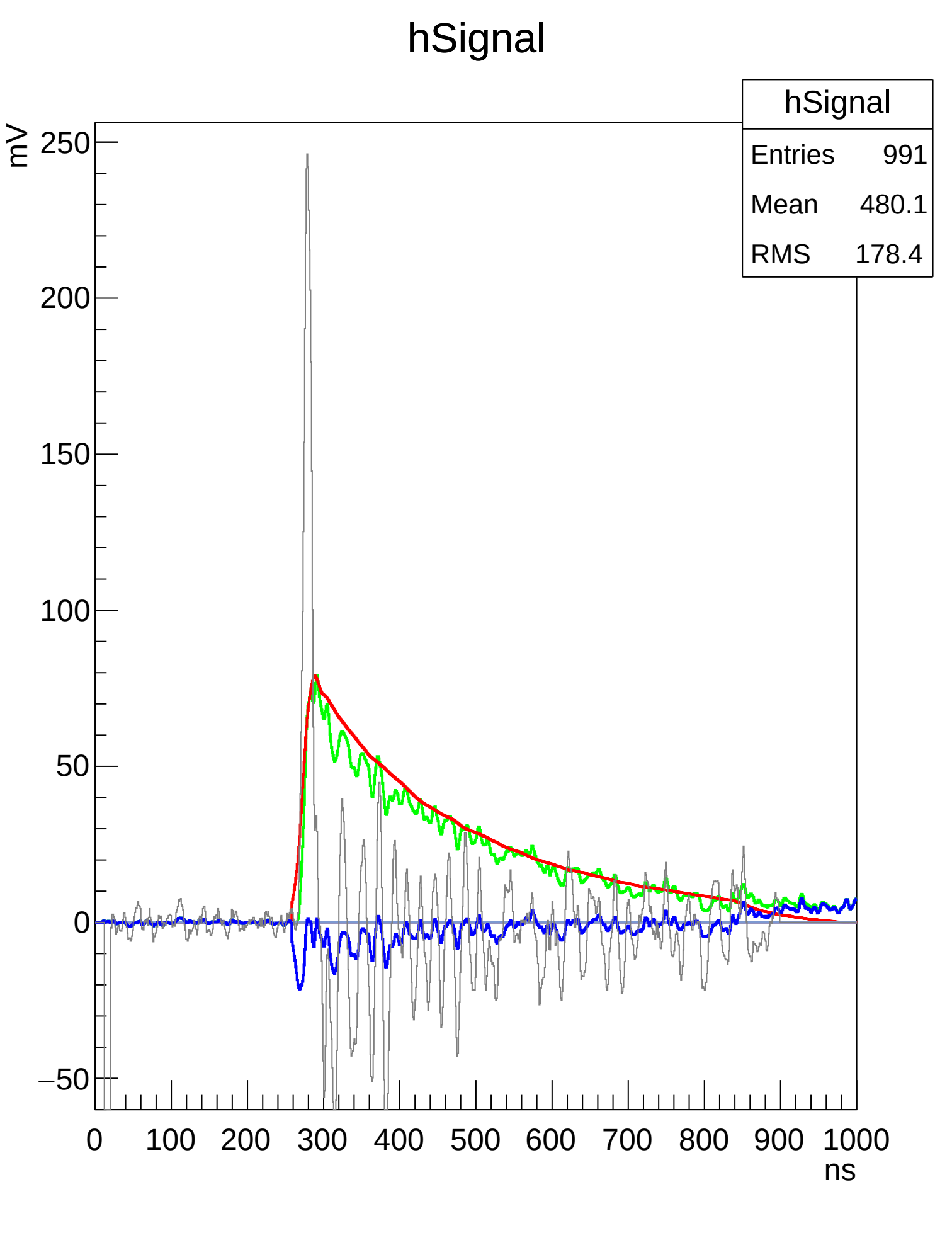

hSignal
hSignal
Entries 991
Mean 535.7
RMS 174.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

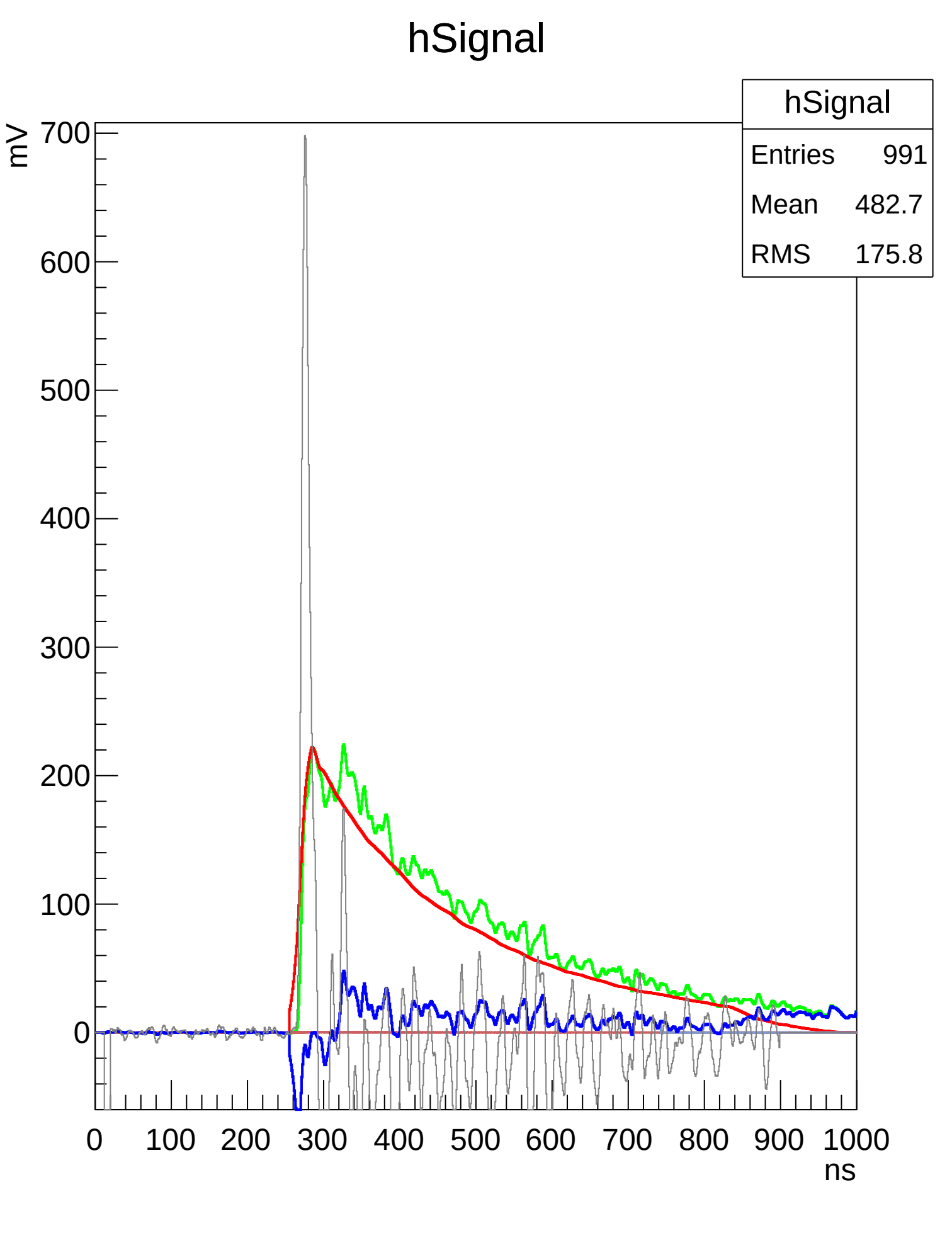

hSignal
hSignal
Entries 991
Mean 542.9
RMS 171.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

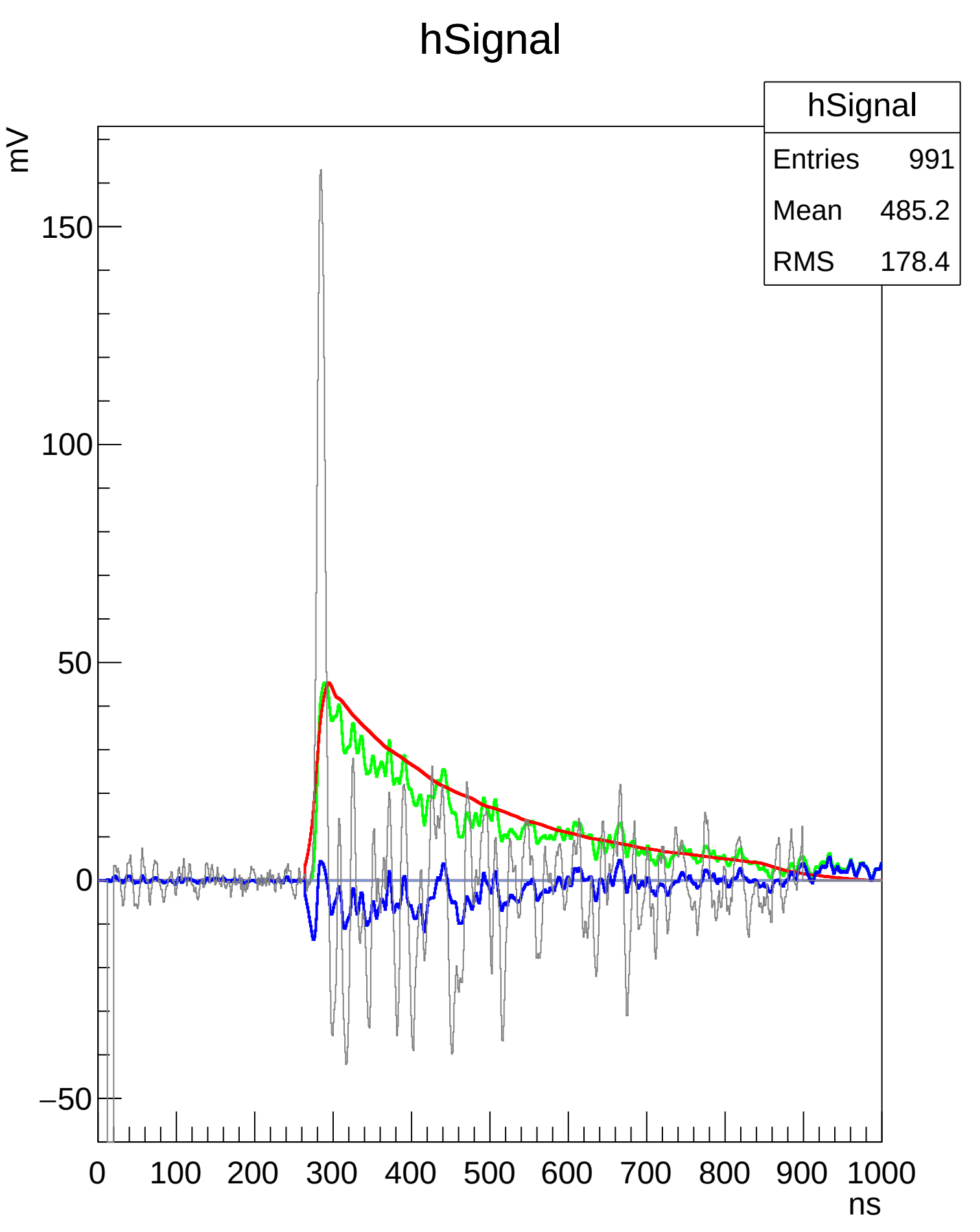

hSignal
hSignal
Entries 991
Mean 520.9
RMS 175.6
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

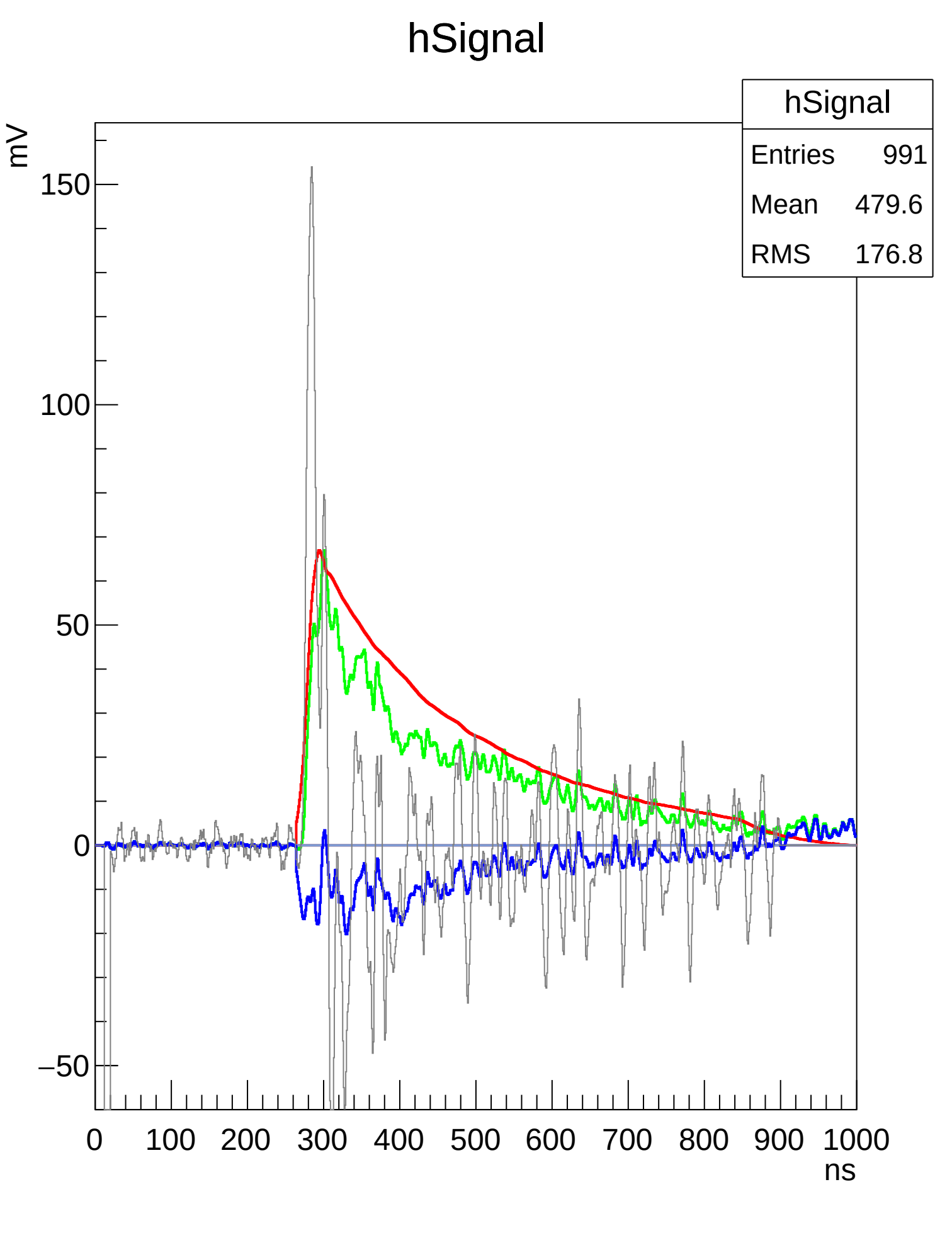

hSignal
hSignal
Entries 991
Mean 517
RMS 158.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

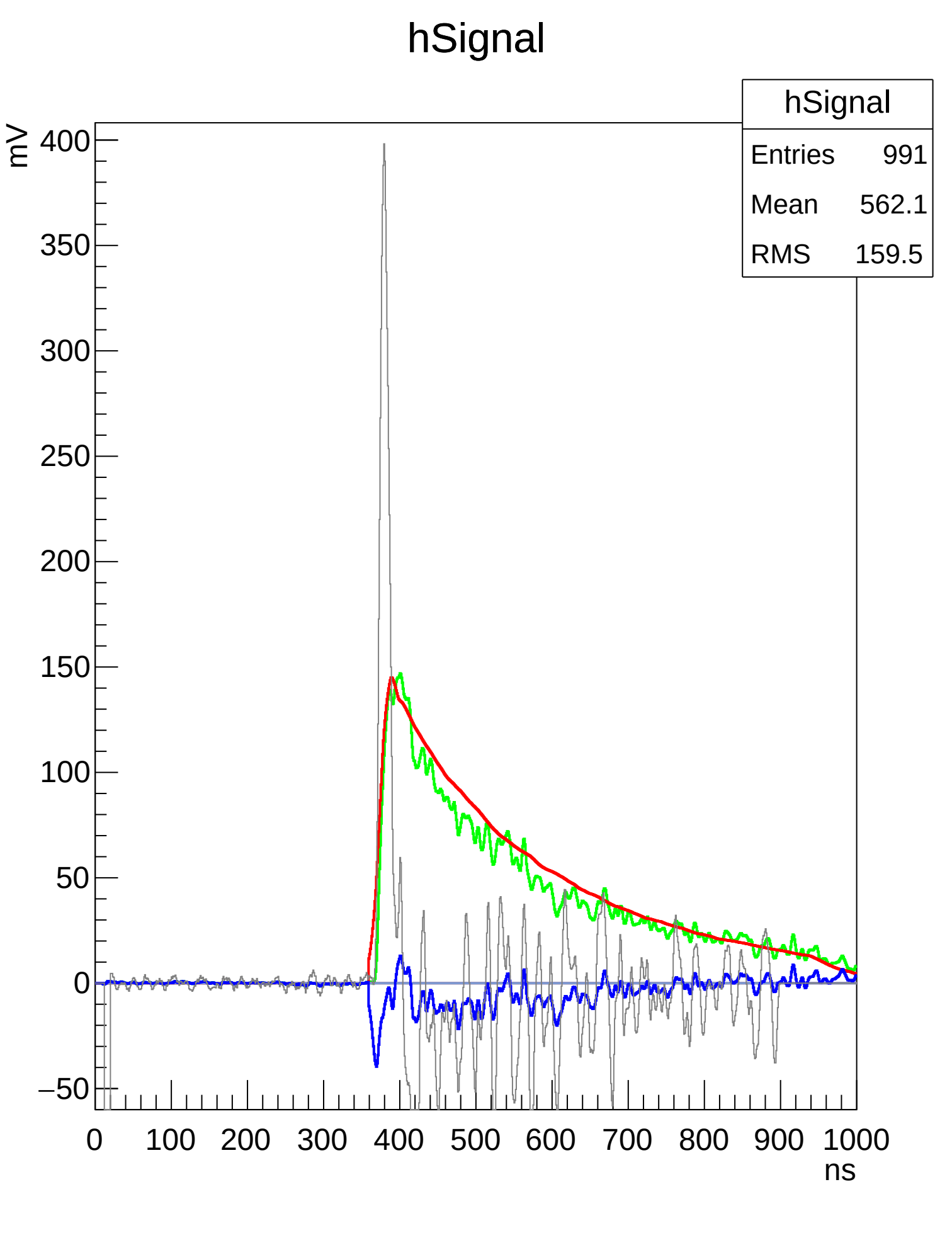

hSignal
hSignal
Entries 991
Mean 485.5
RMS 180.8
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

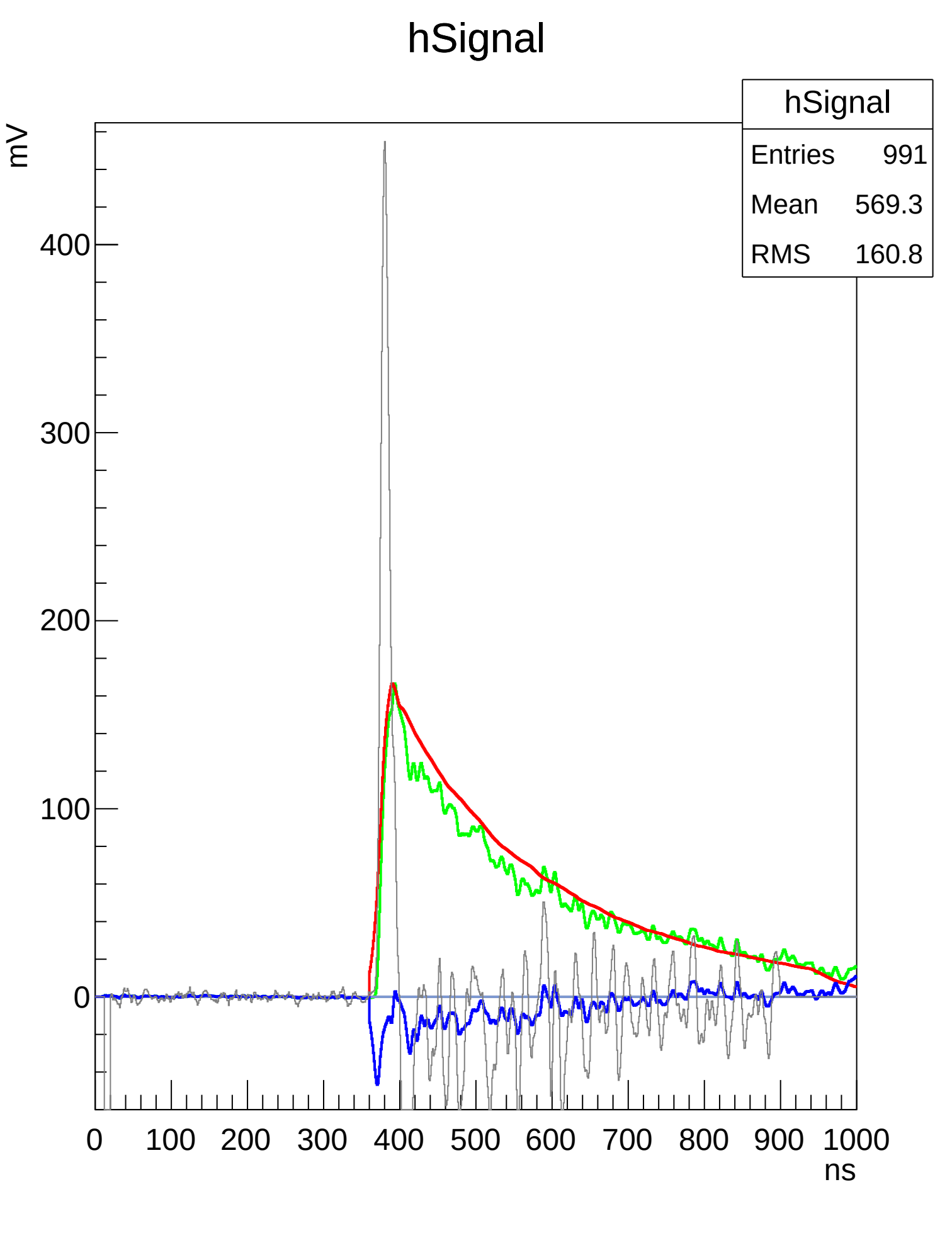

hSignal
hSignal
Entries 991
Mean 480.1
RMS 178.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

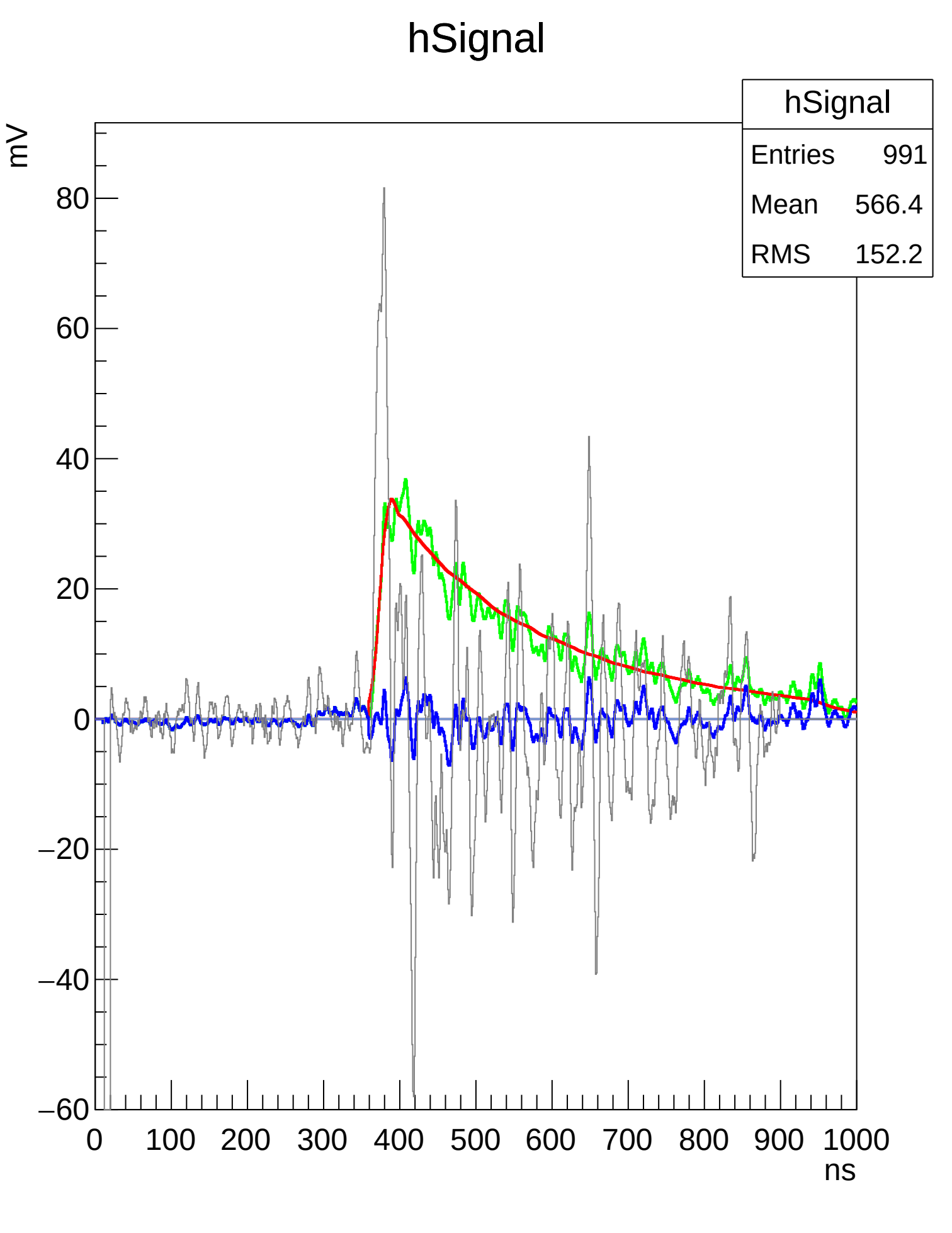

hSignal
hSignal
Entries 991
Mean 482.7
RMS 175.8
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

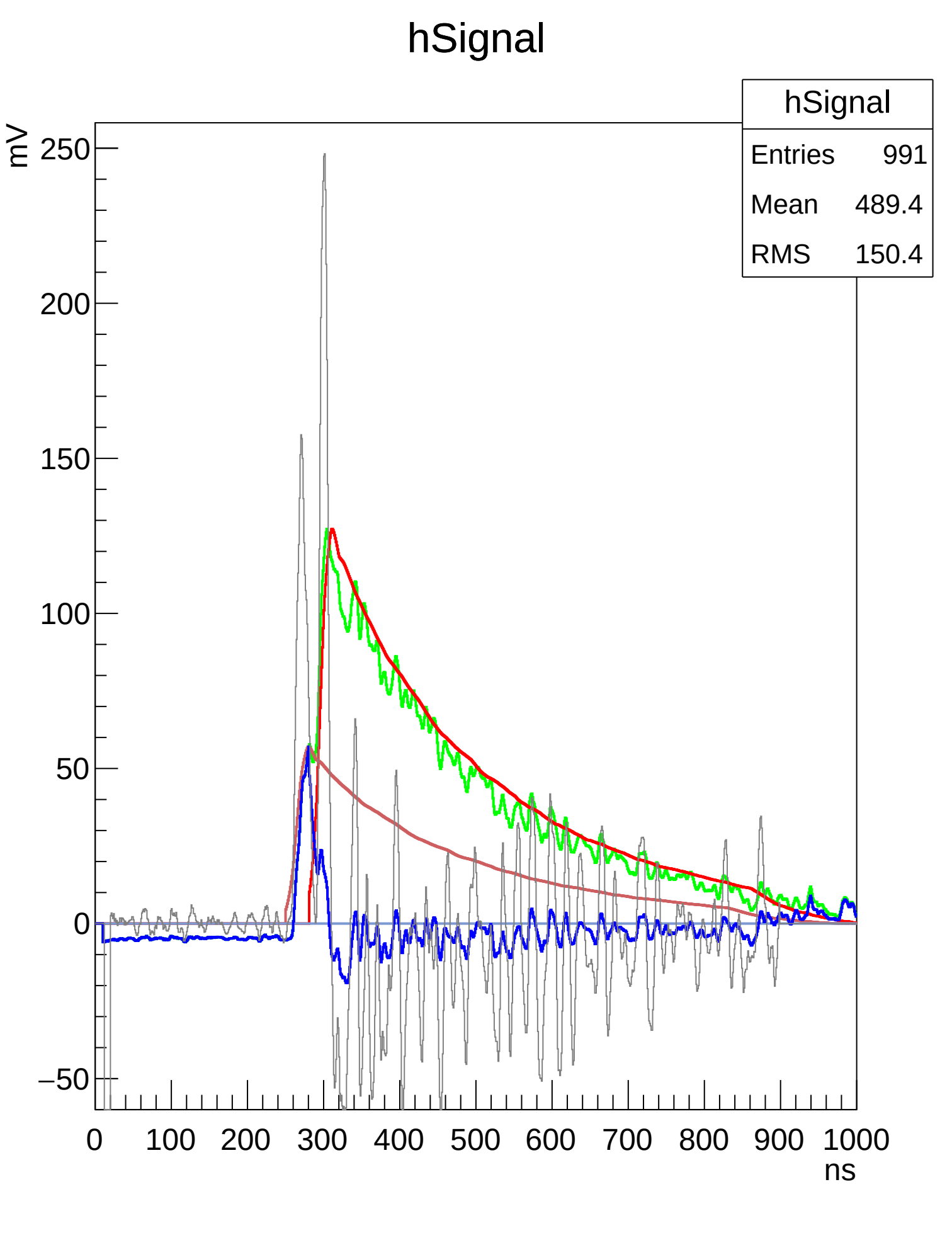

hSignal
hSignal
Entries 991
Mean 485.2
RMS 178.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

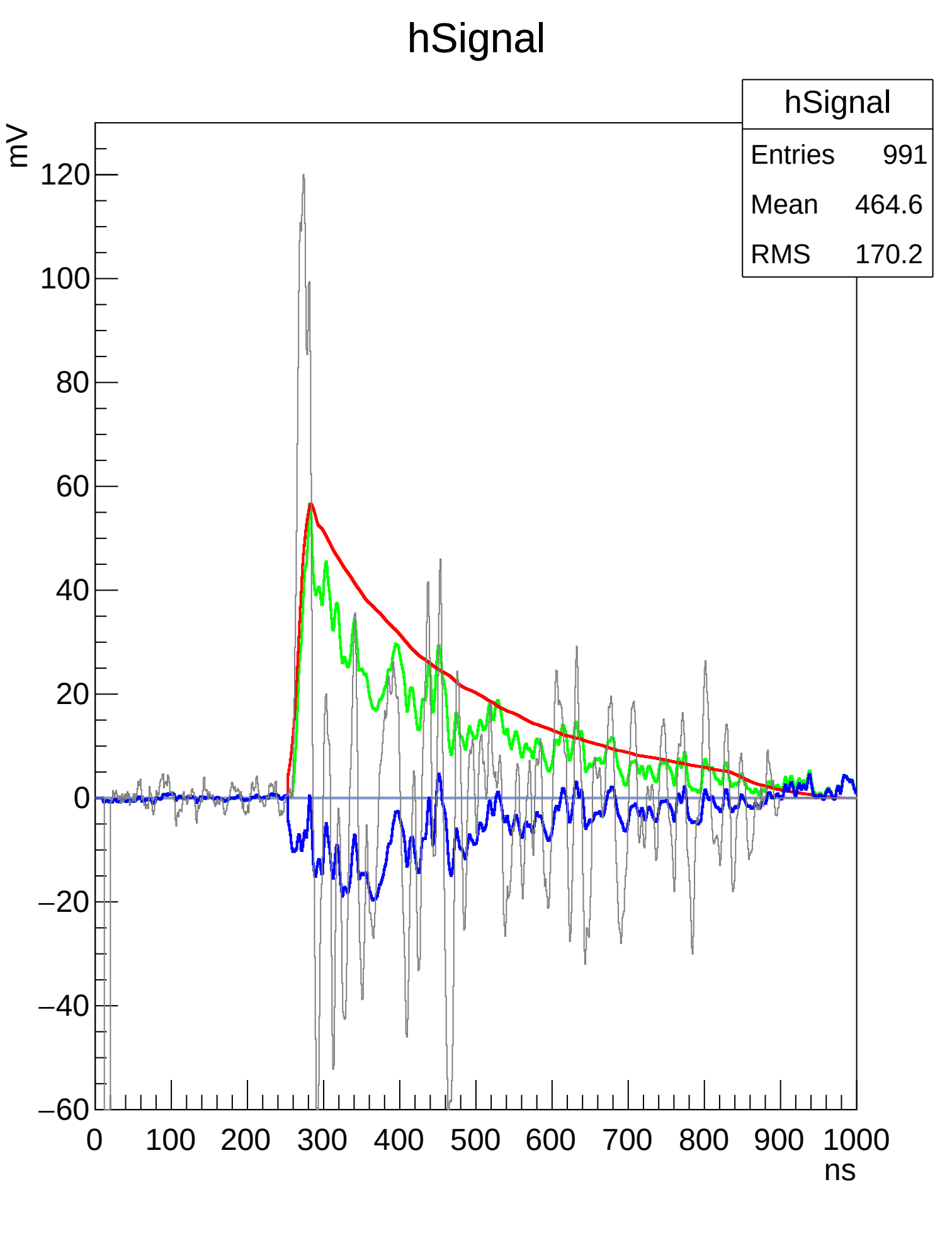

hSignal
hSignal
Entries 991
Mean 479.6
RMS 176.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

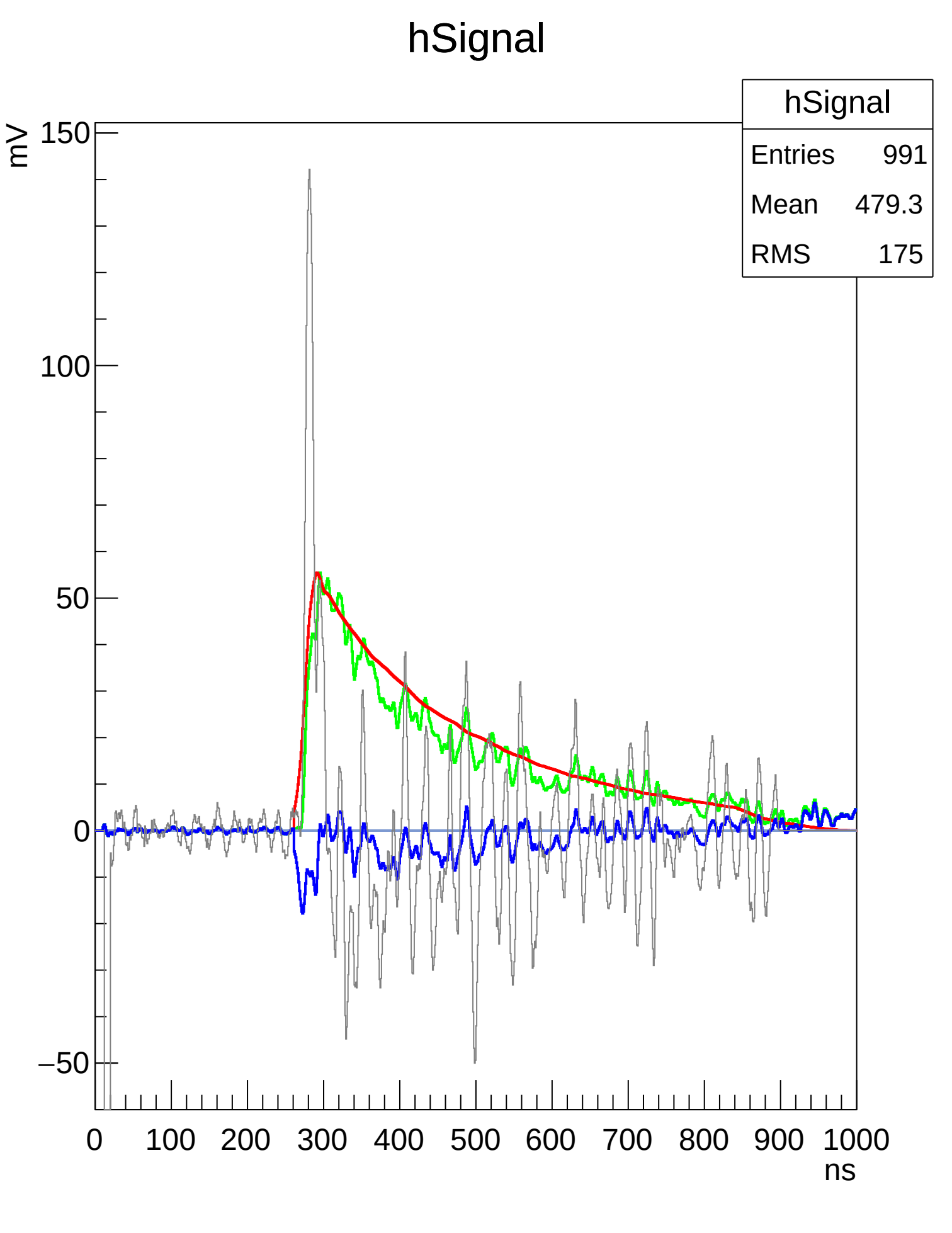

hSignal
hSignal
Entries 991
Mean 562.1
RMS 159.5
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

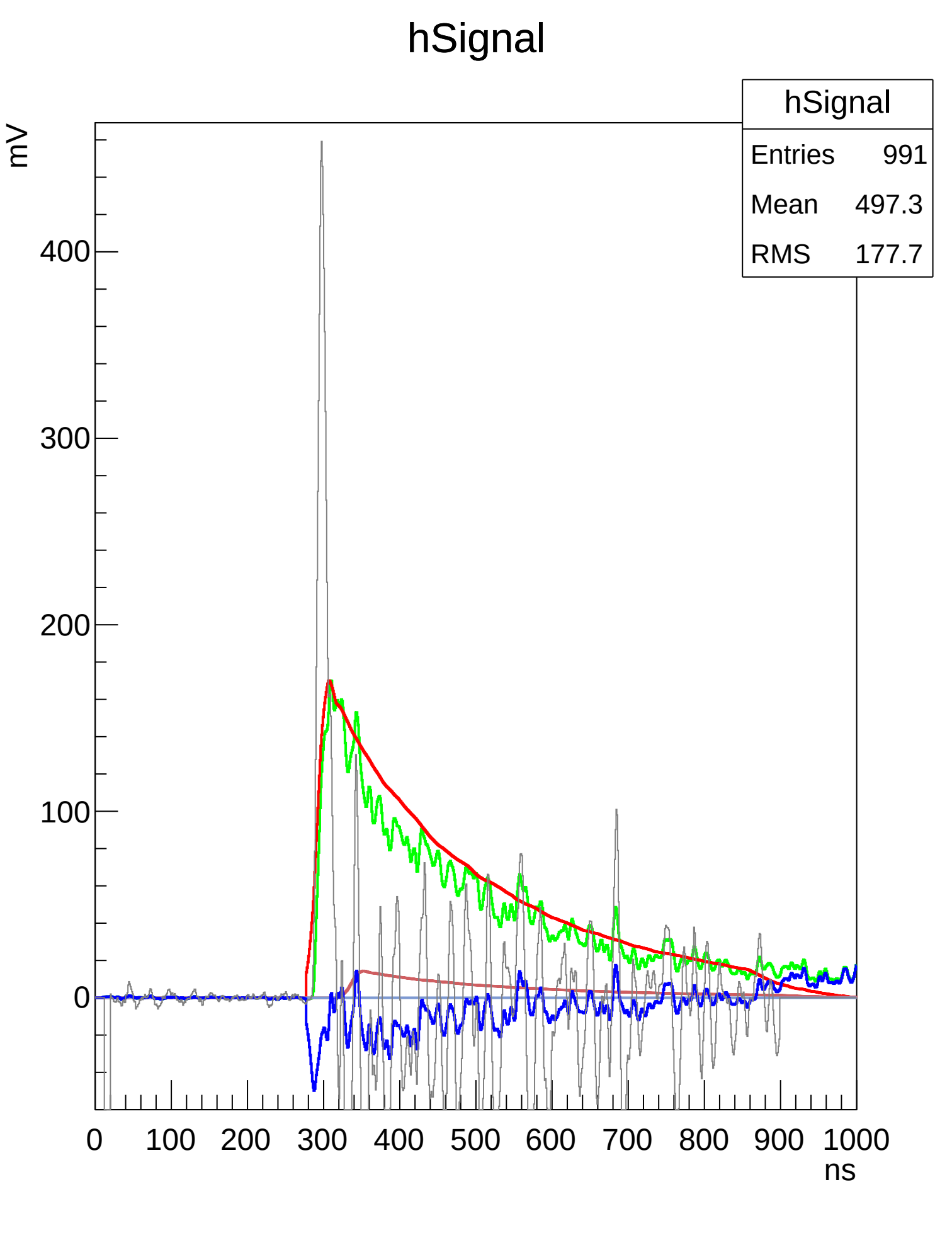

hSignal
hSignal
Entries 991
Mean 569.3
RMS 160.8
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

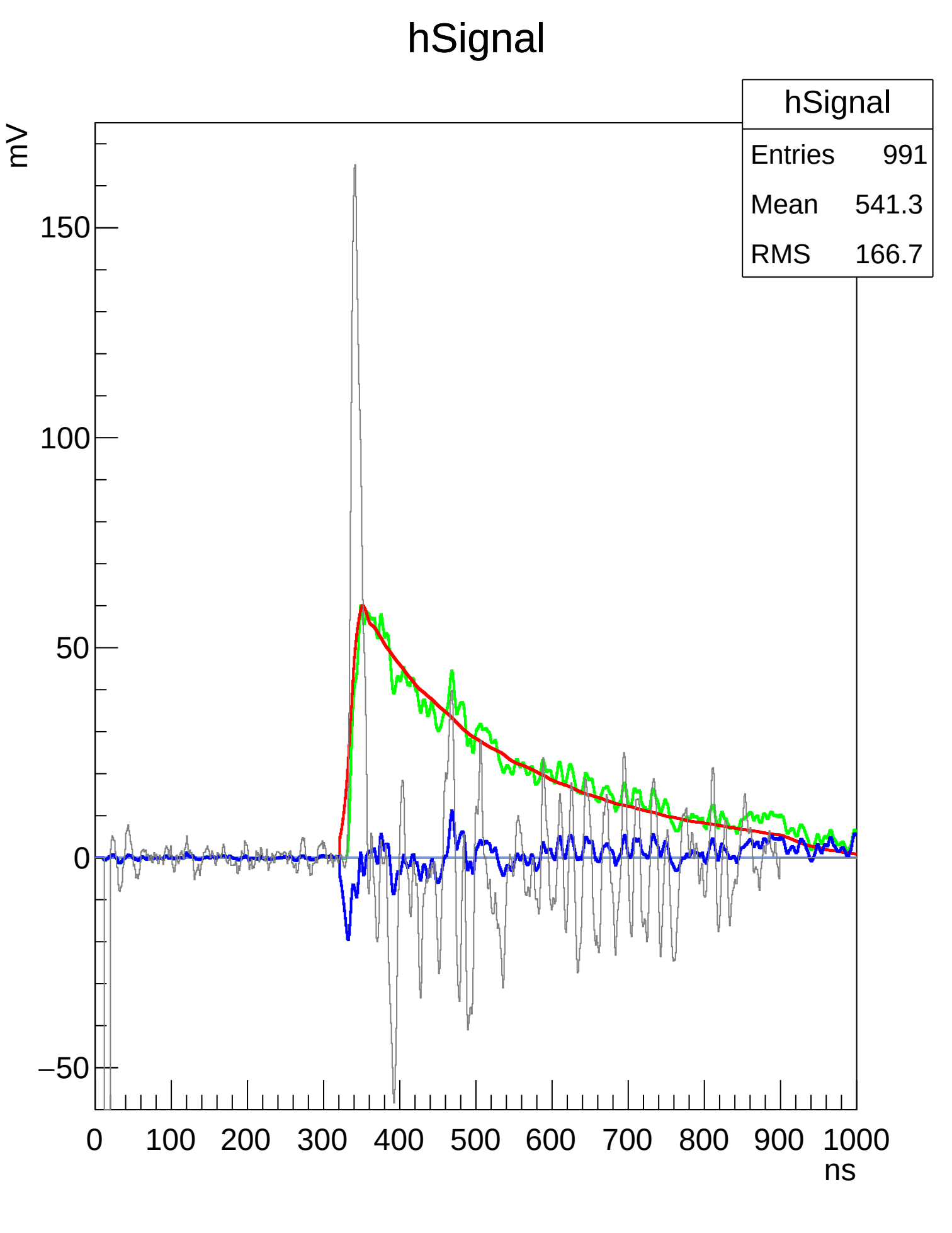

hSignal
hSignal
Entries 991
Mean 566.4
RMS 152.2
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

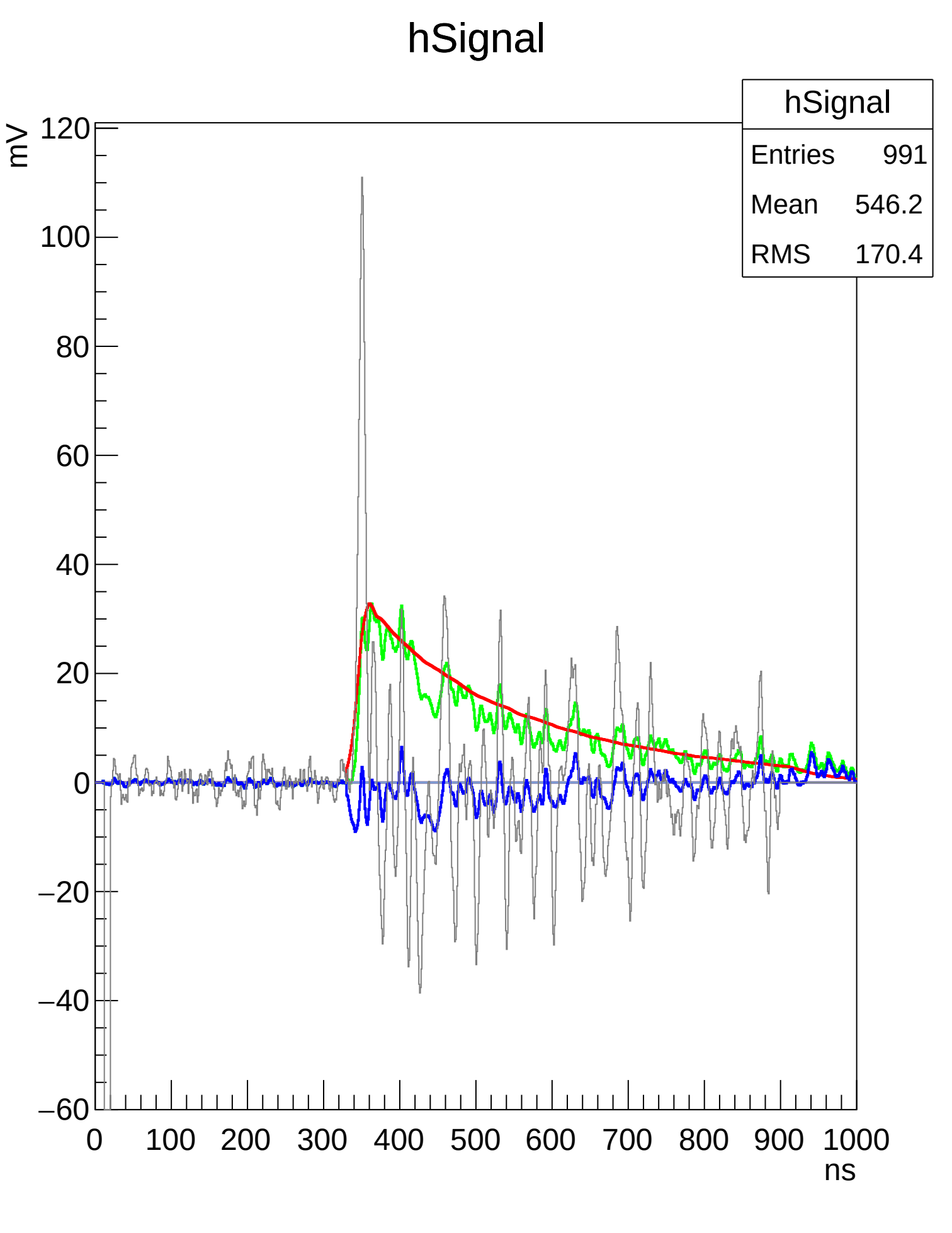

hSignal
hSignal
Entries 991
Mean 489.4
RMS 150.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

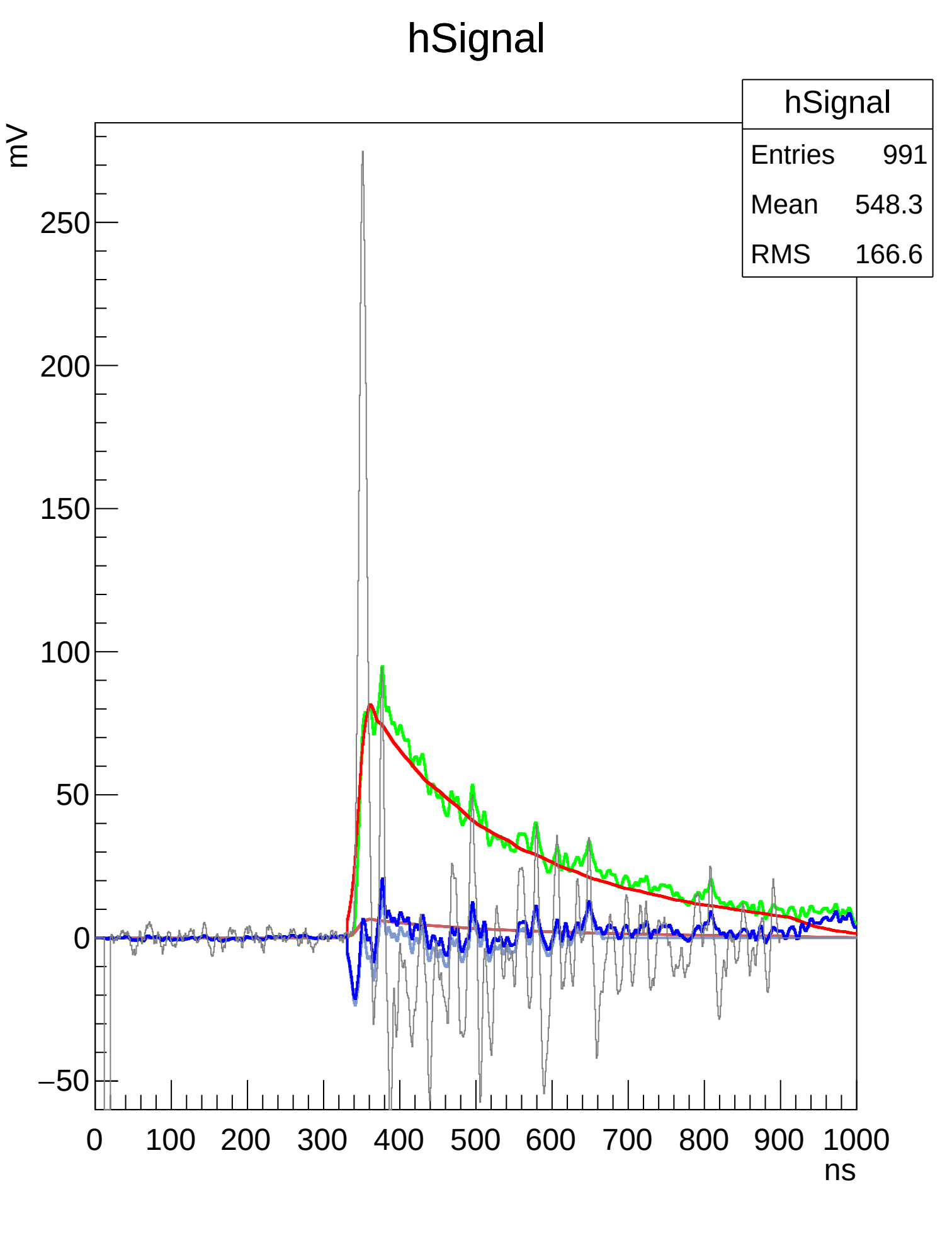

hSignal
hSignal
Entries 991
Mean 464.6
RMS 170.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

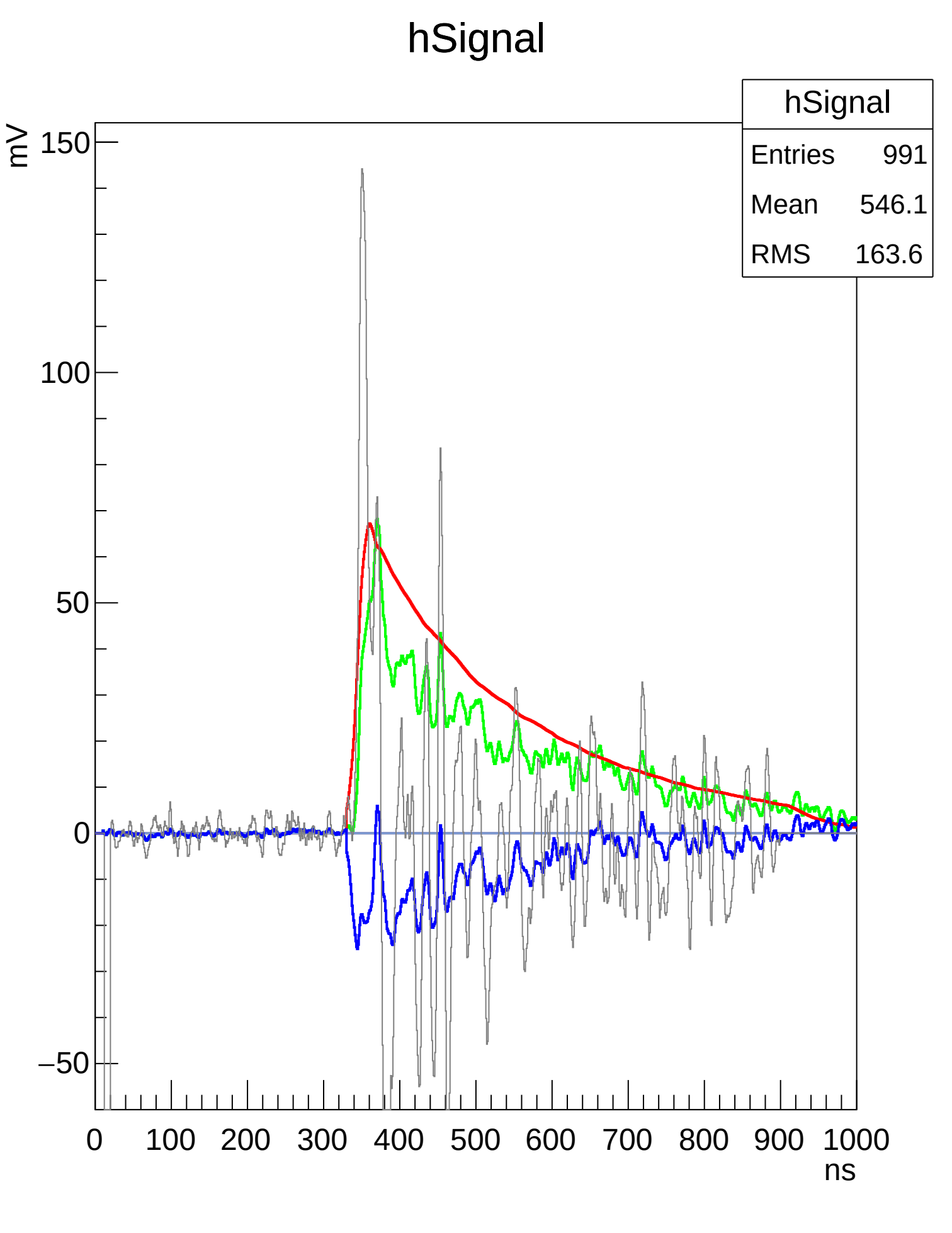

hSignal
hSignal
Entries 991
Mean 479.3
RMS 175
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

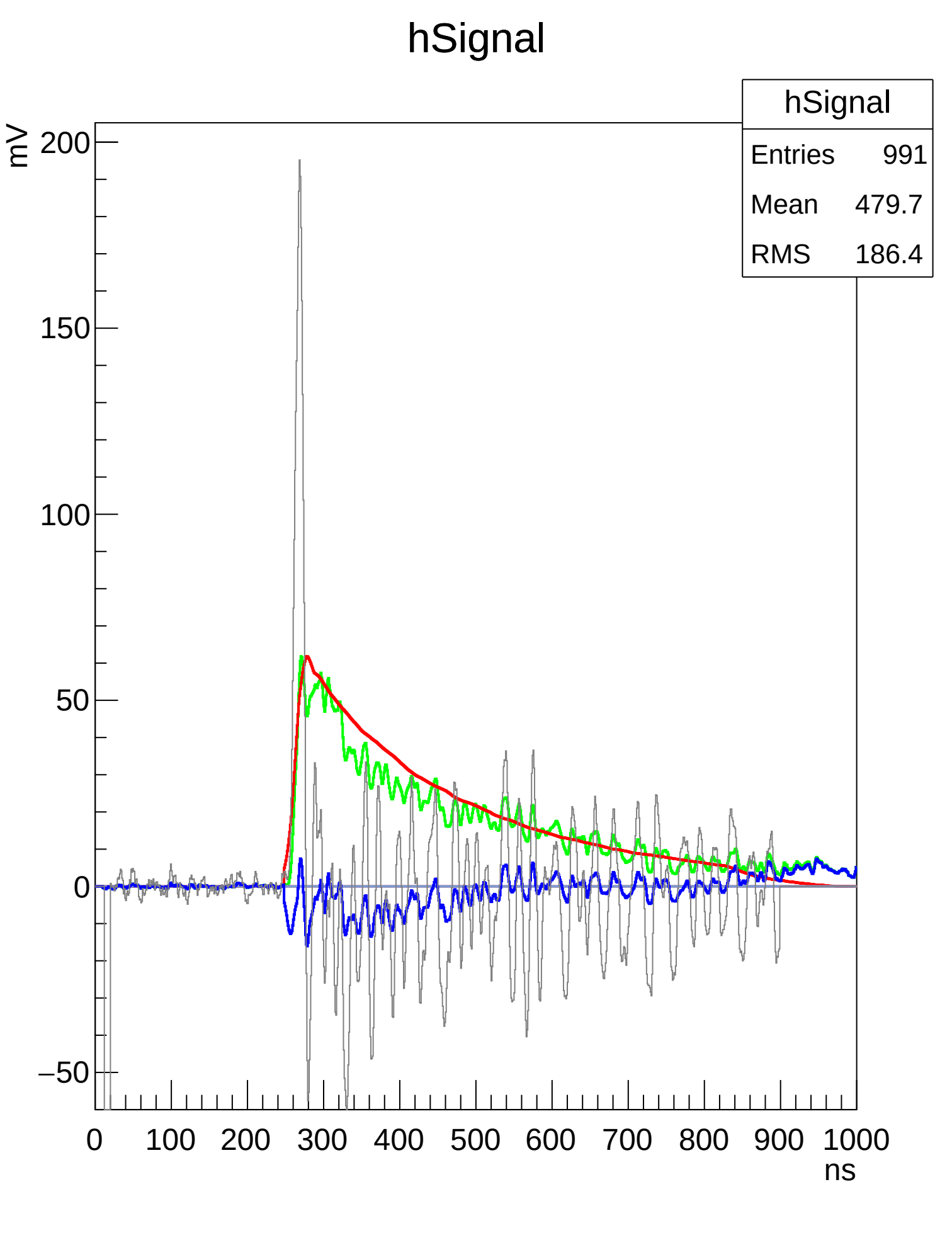

hSignal
hSignal
Entries 991
Mean 497.3
RMS 177.7
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

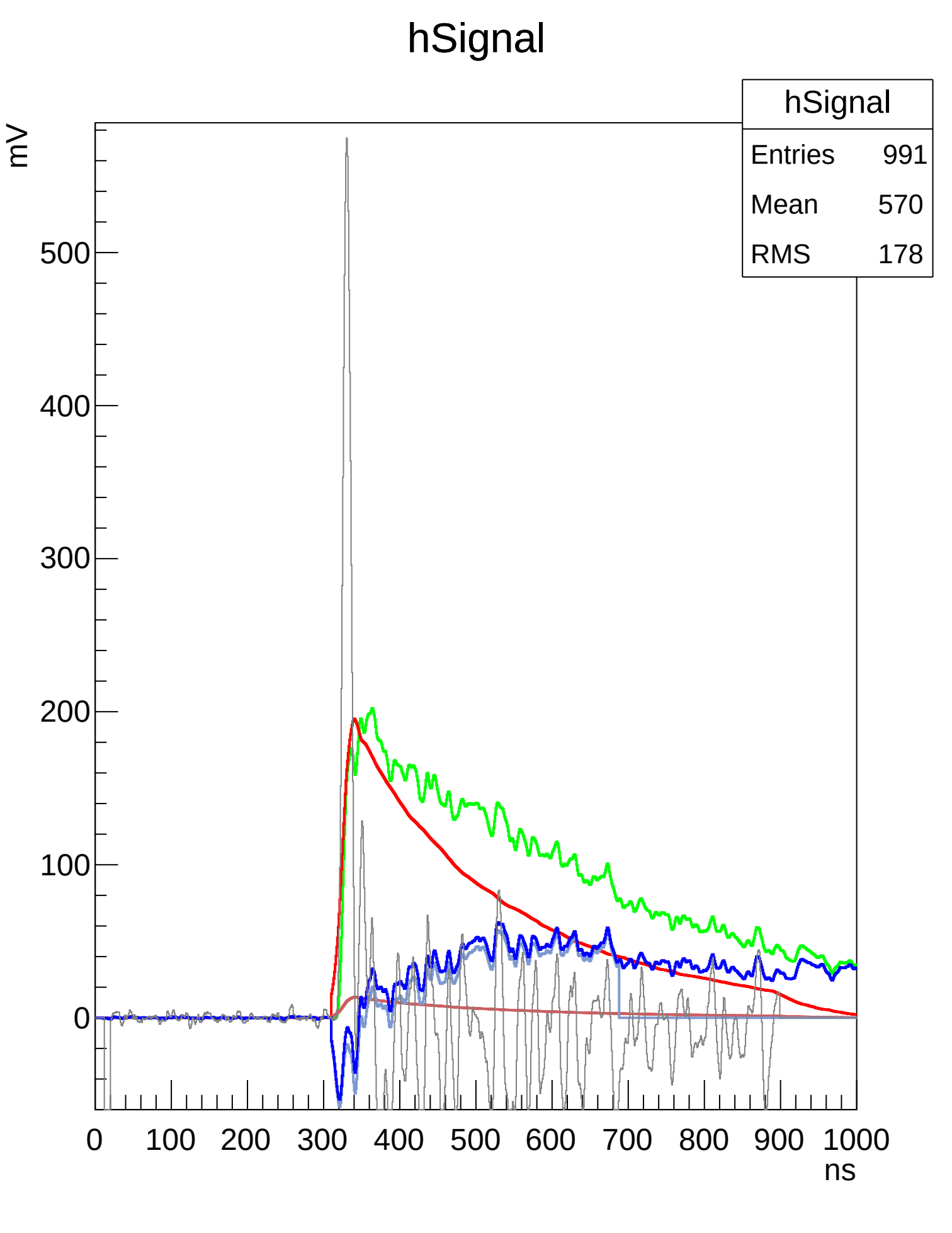

hSignal
hSignal
Entries 991
Mean 541.3
RMS 166.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

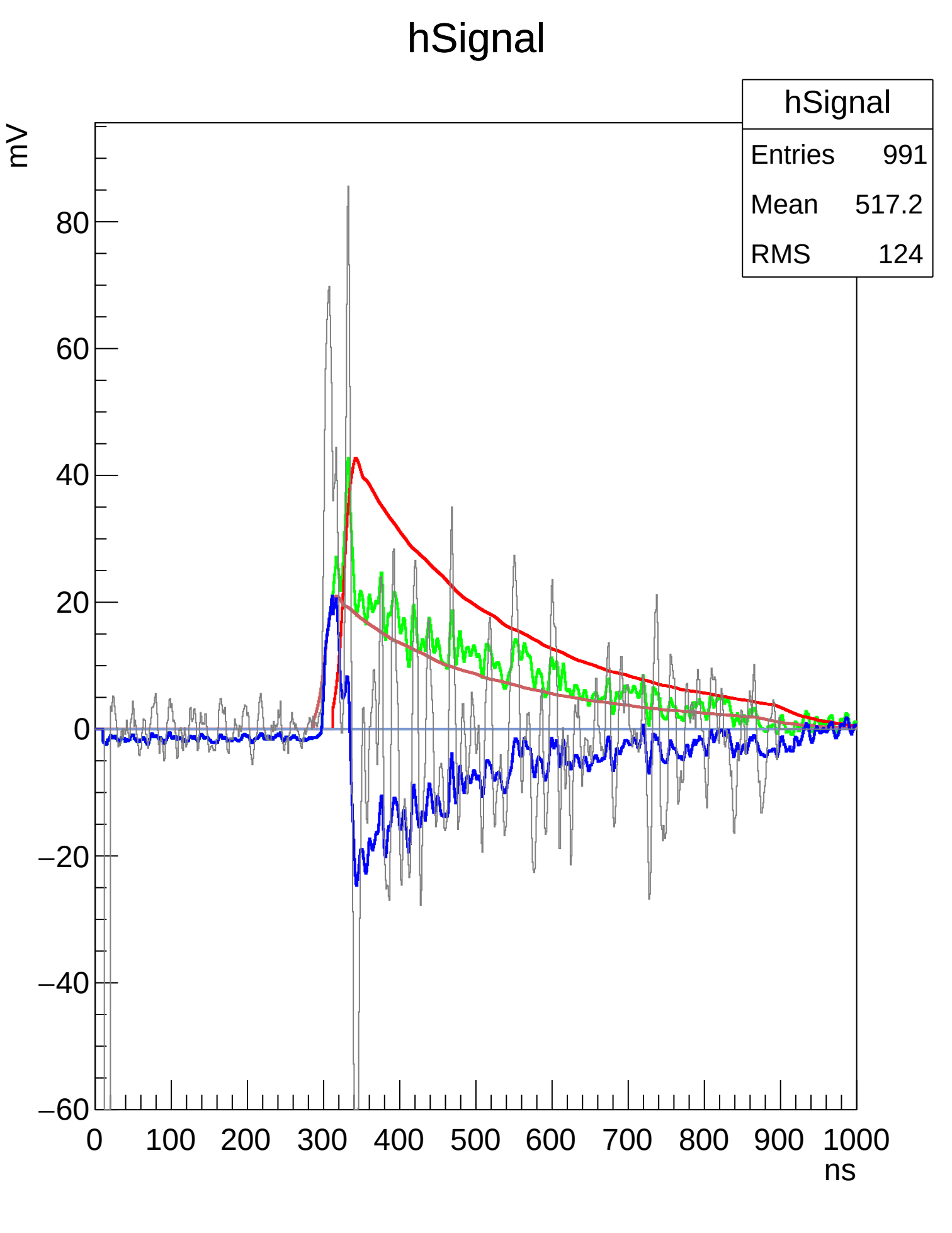

hSignal
hSignal
Entries 991
Mean 546.2
RMS 170.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

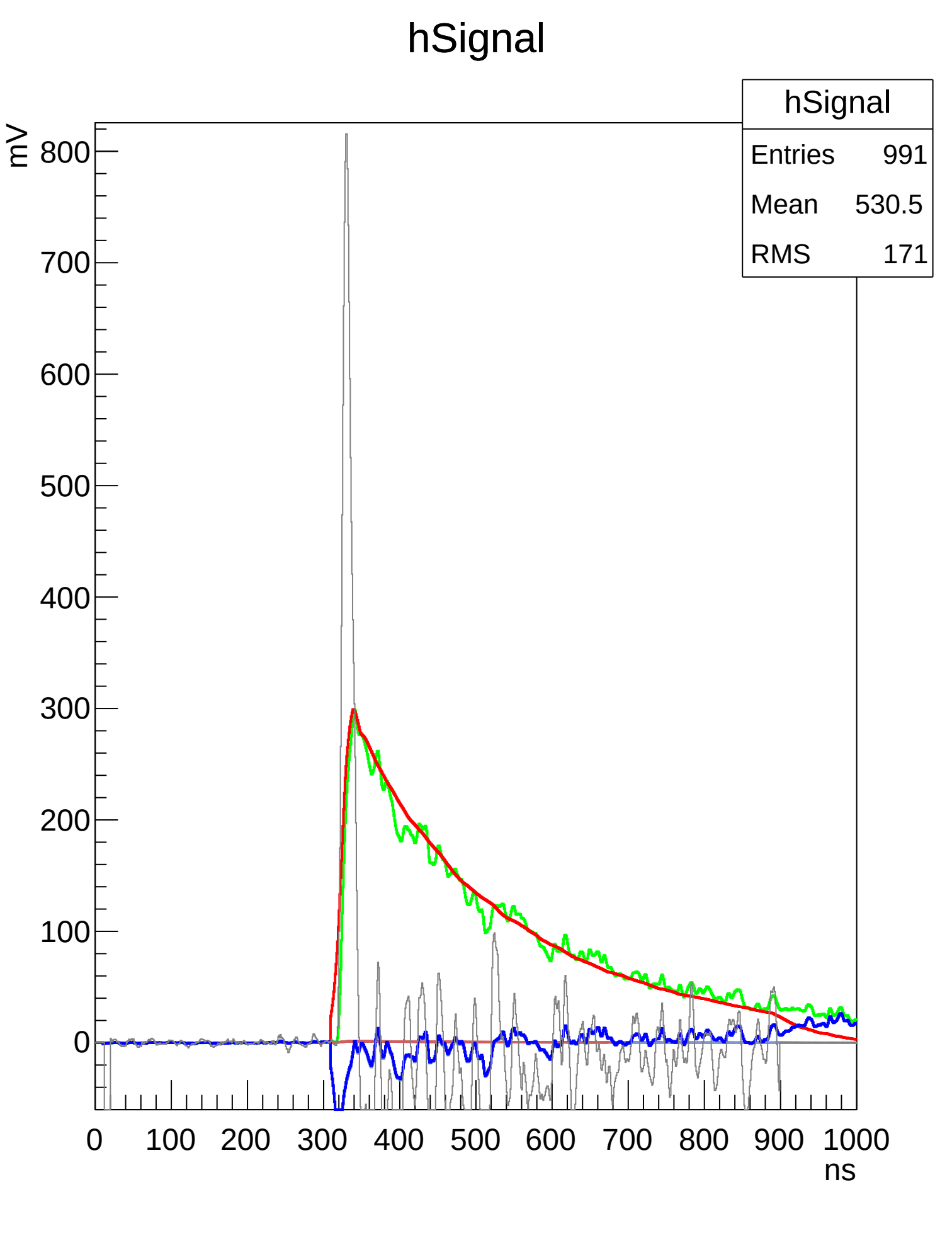

hSignal
hSignal
Entries 991
Mean 548.3
RMS 166.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

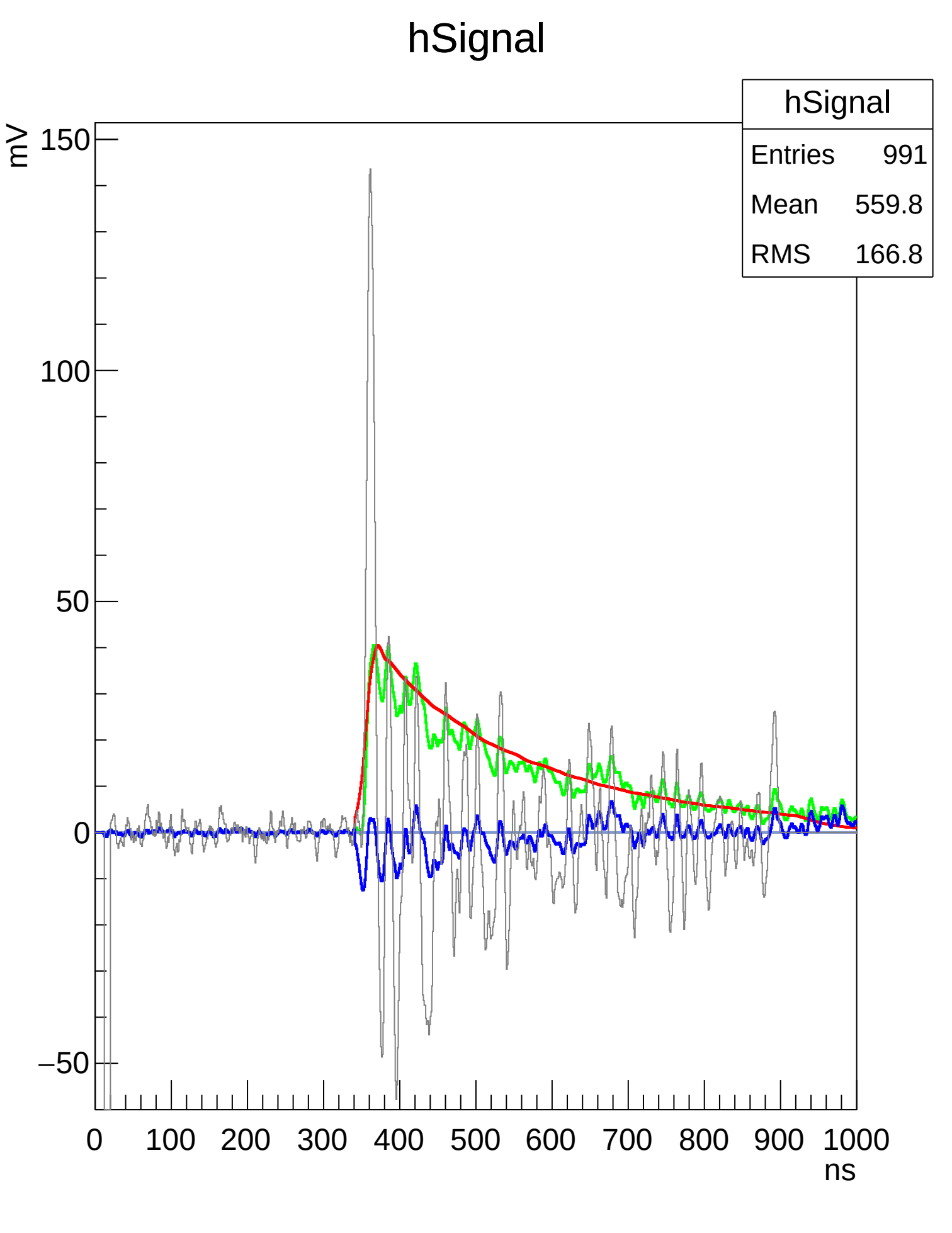

hSignal
hSignal
Entries 991
Mean 546.1
RMS 163.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

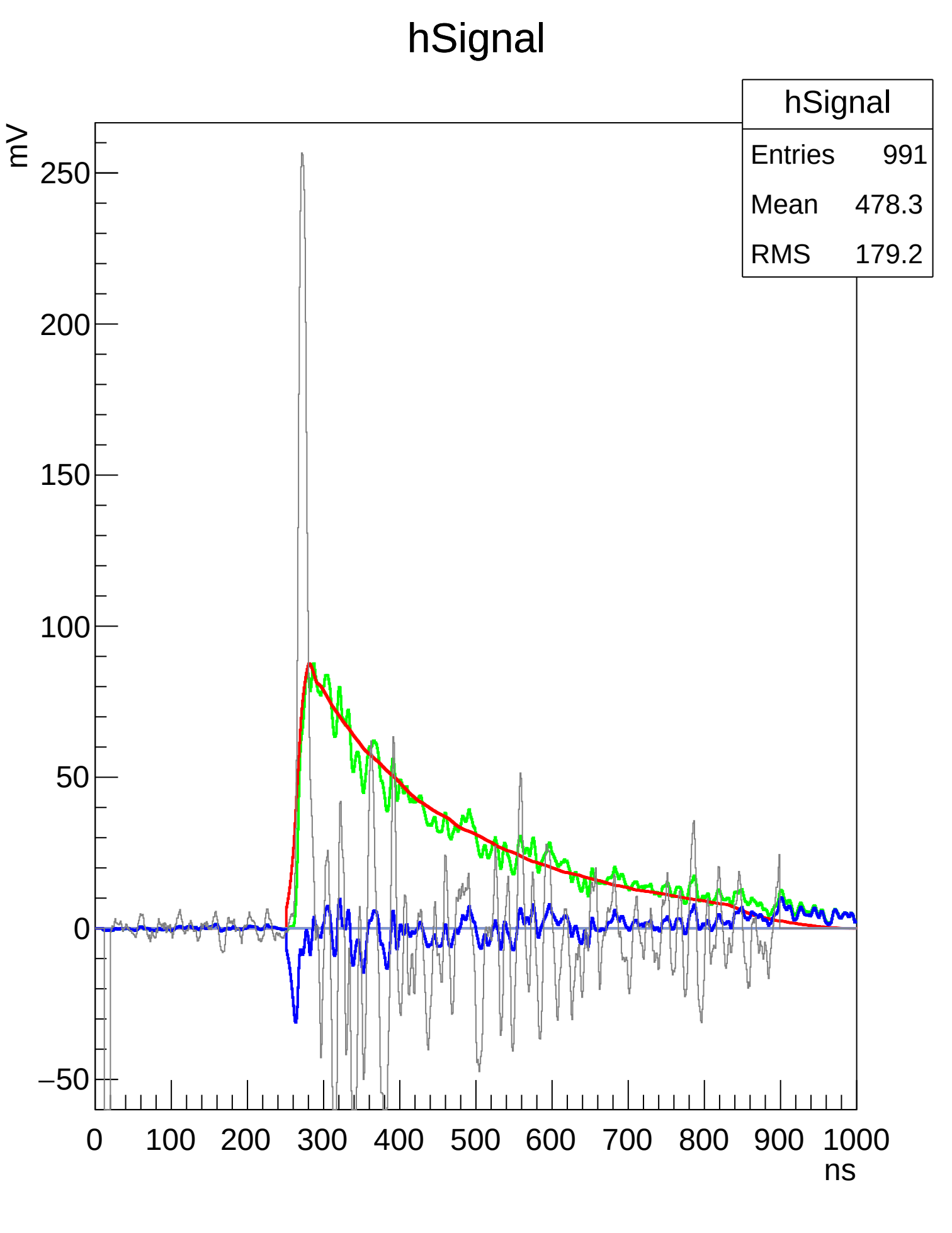

hSignal
hSignal
Entries 991
Mean 479.7
RMS 186.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

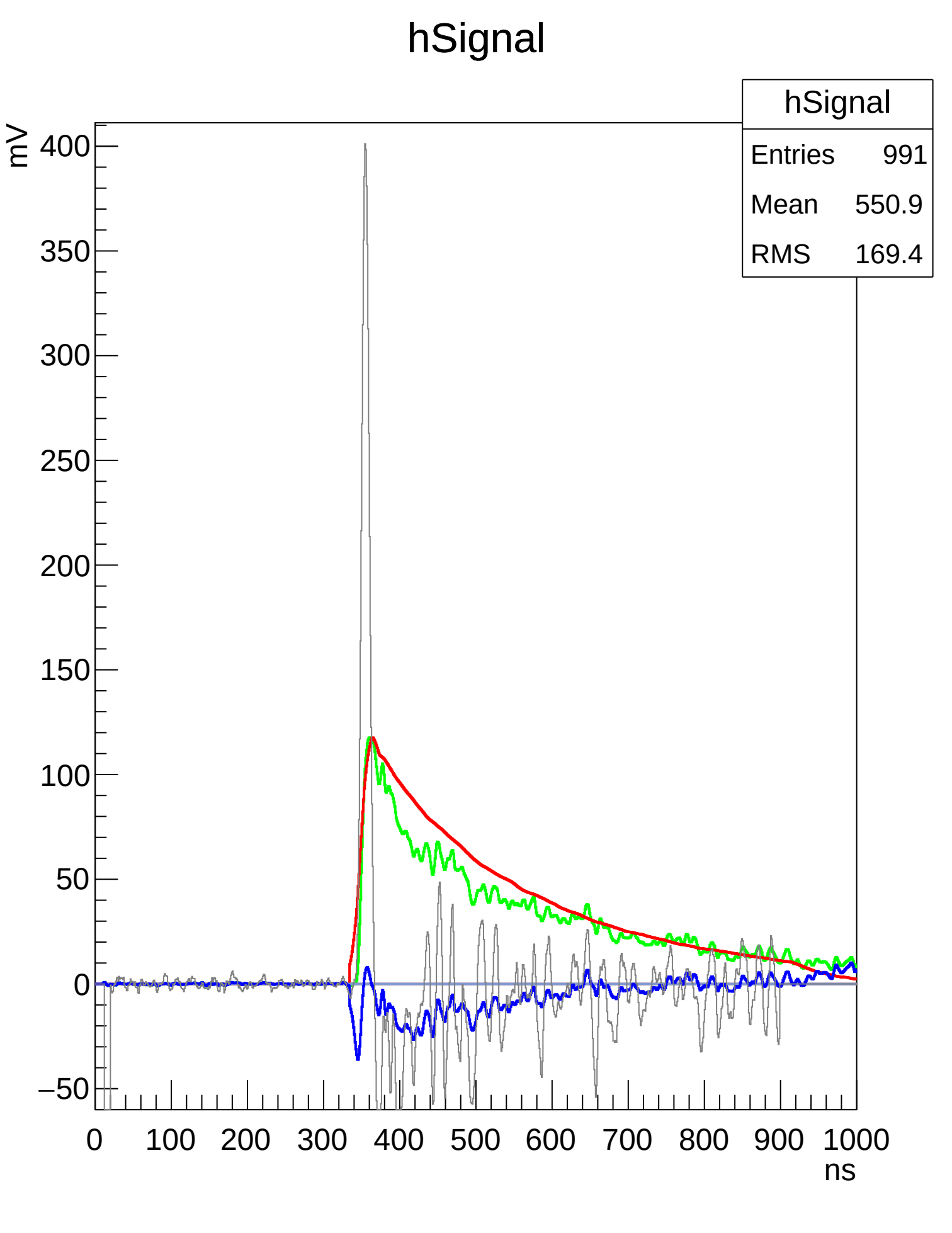

hSignal
hSignal
Entries 991
Mean 570
RMS 178
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

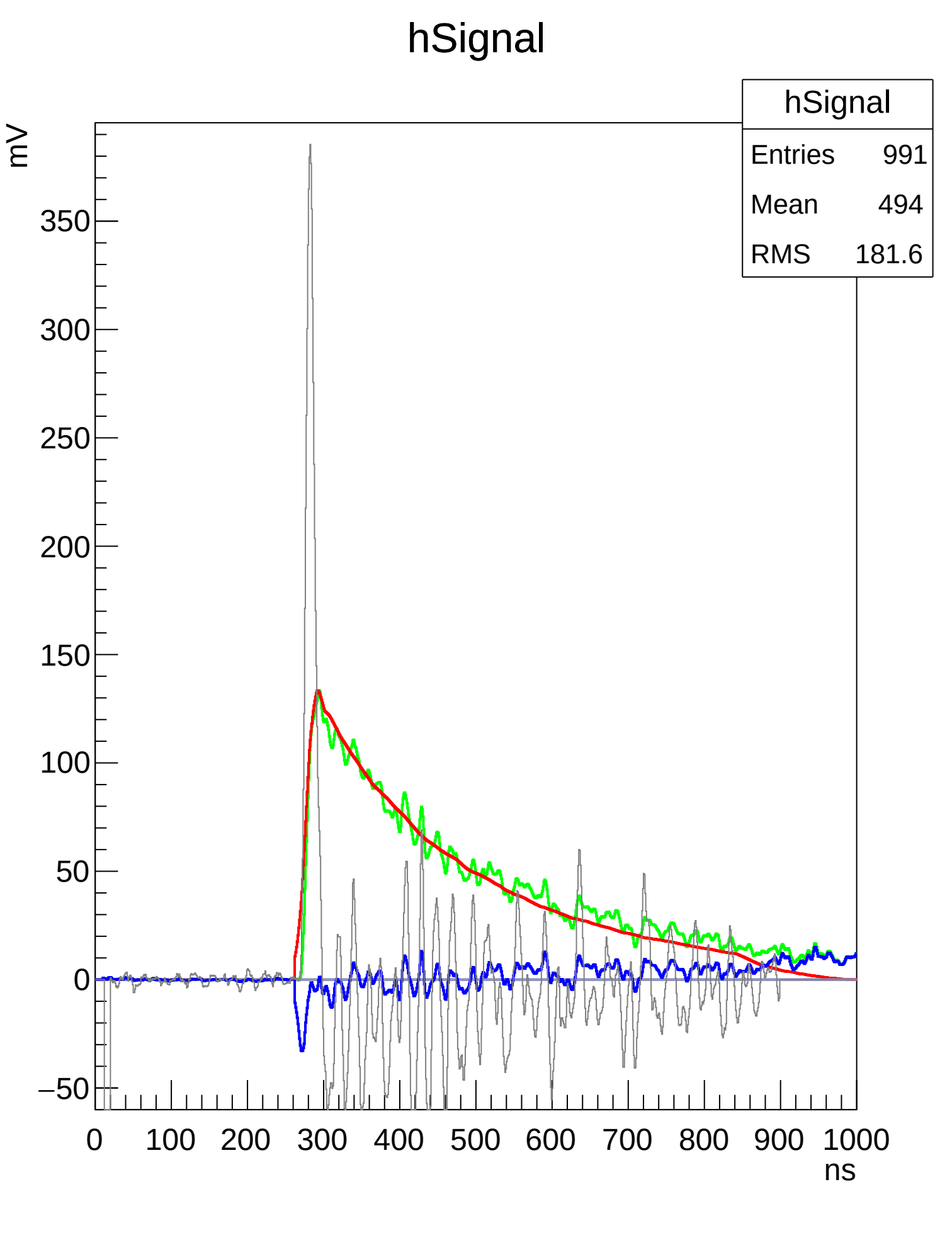

hSignal
hSignal
Entries 991
Mean 517.2
RMS 124
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

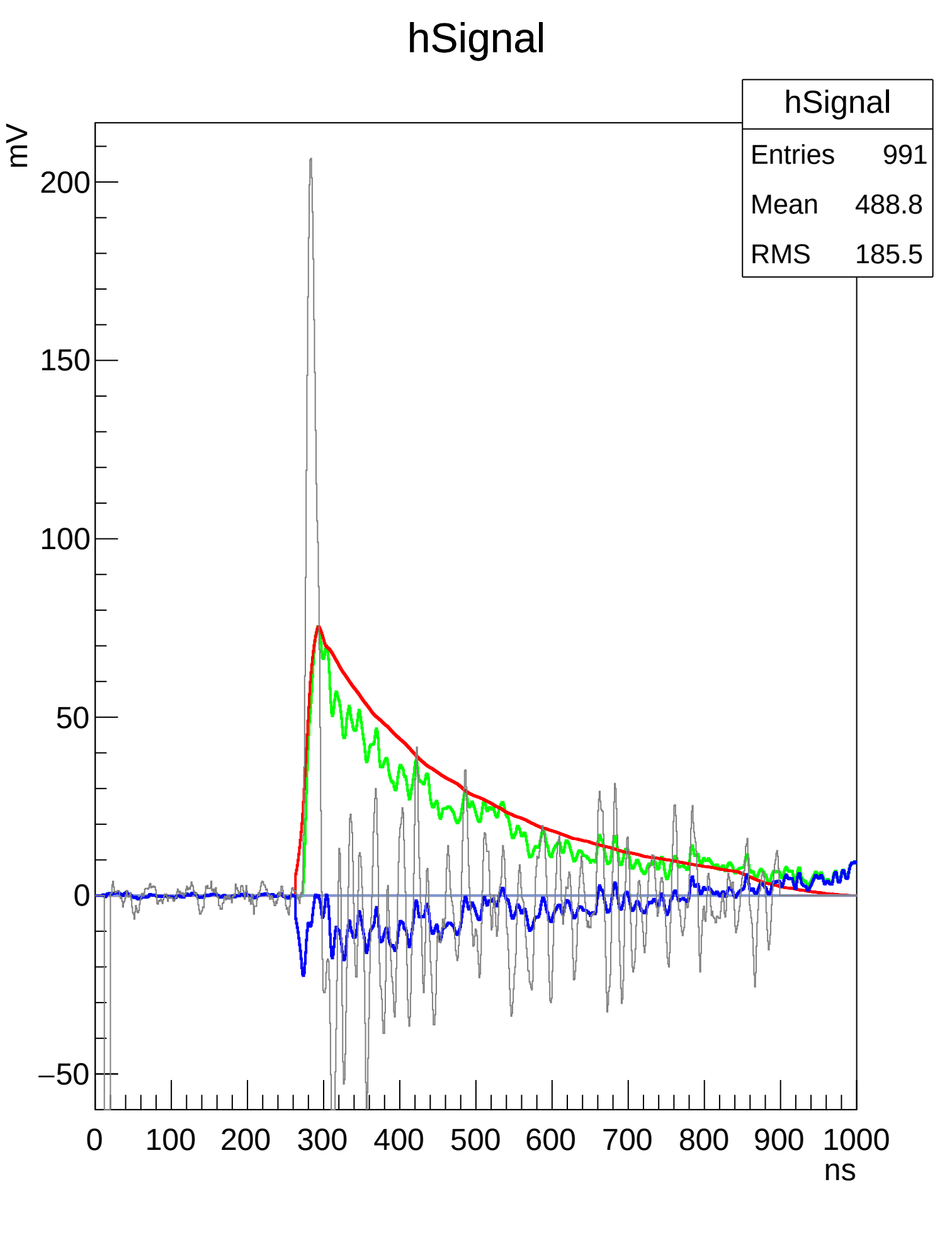

hSignal
hSignal
Entries 991
Mean 530.5
RMS 171
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

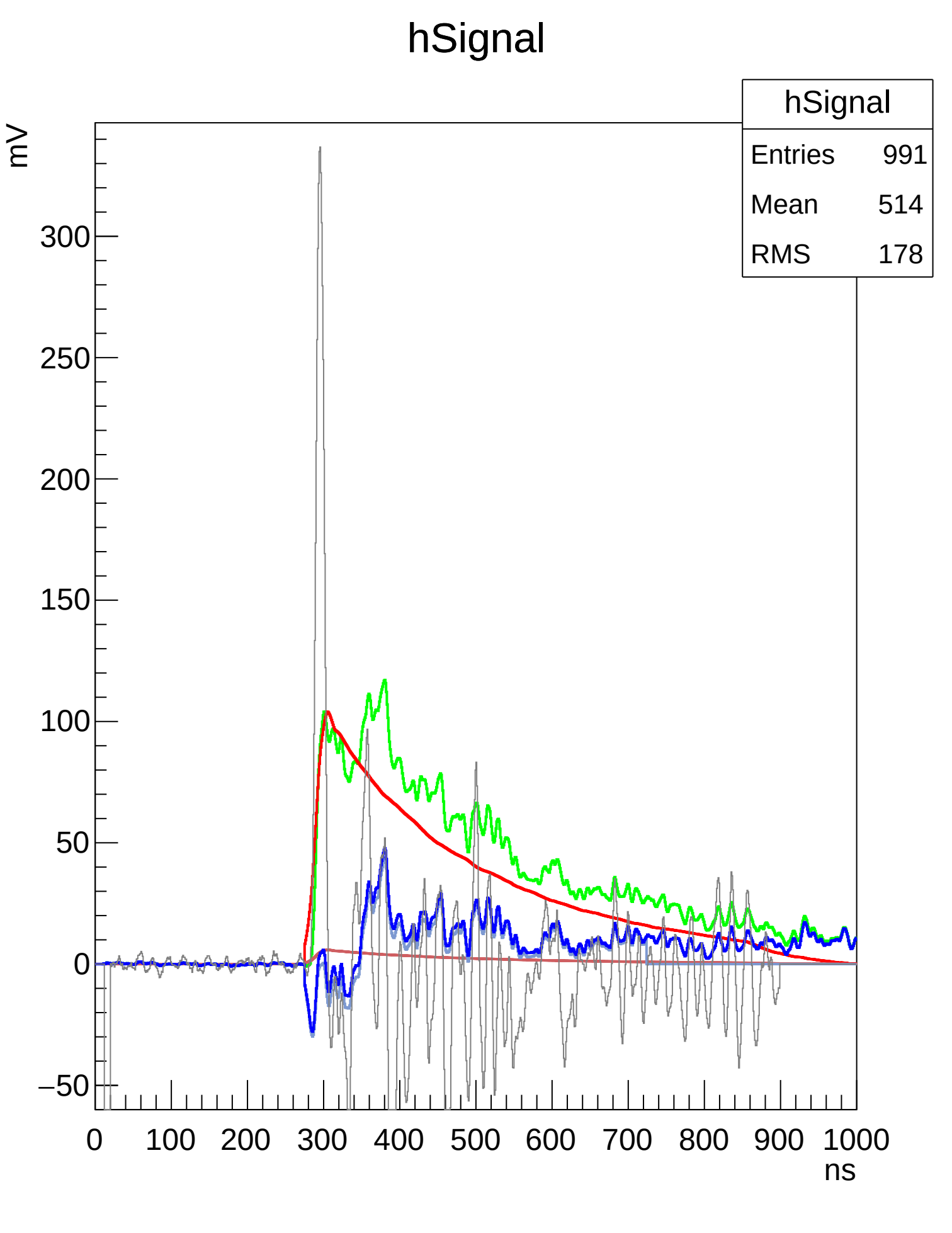

hSignal
hSignal
Entries 991
Mean 559.8
RMS 166.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

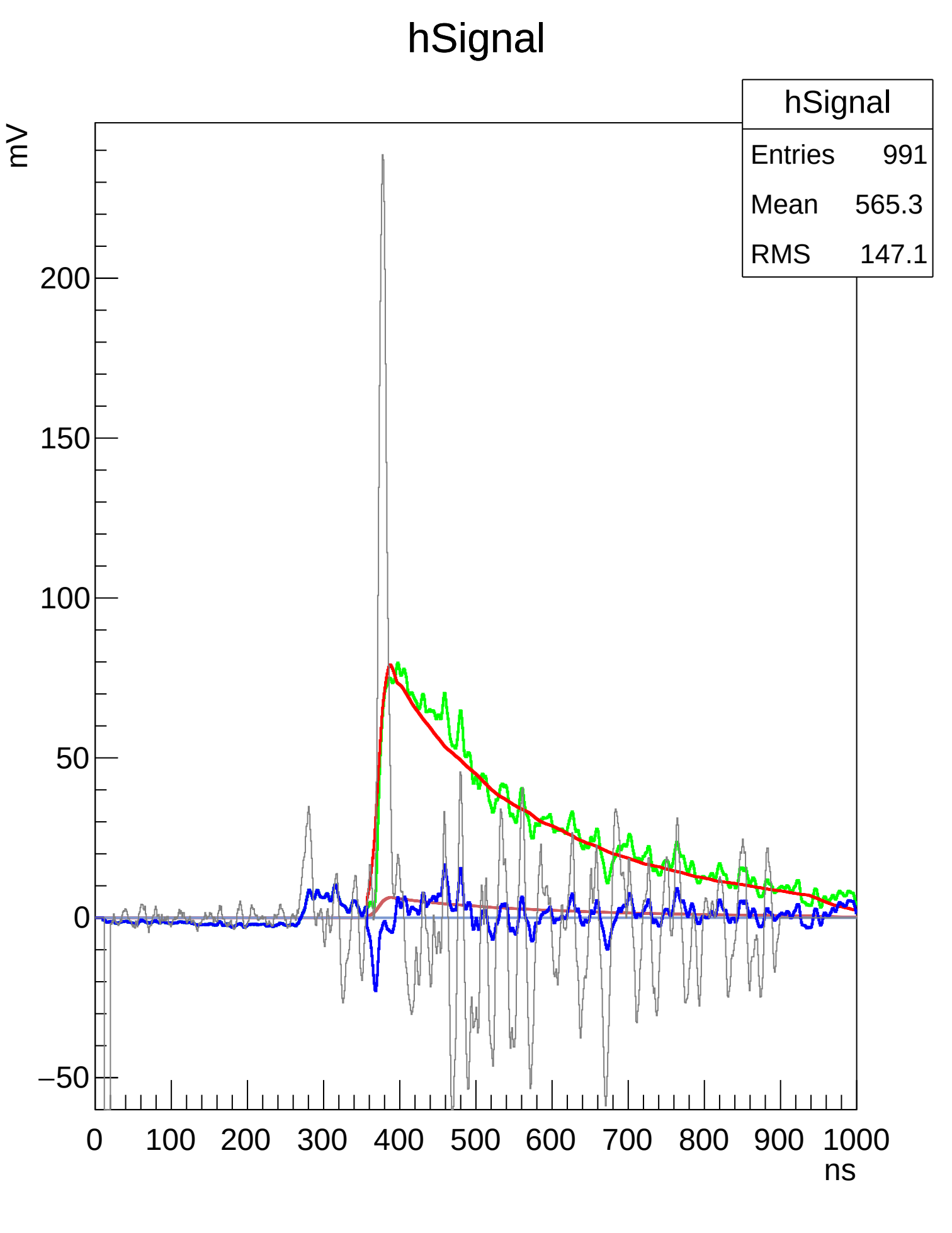

hSignal
hSignal
Entries 991
Mean 478.3
RMS 179.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

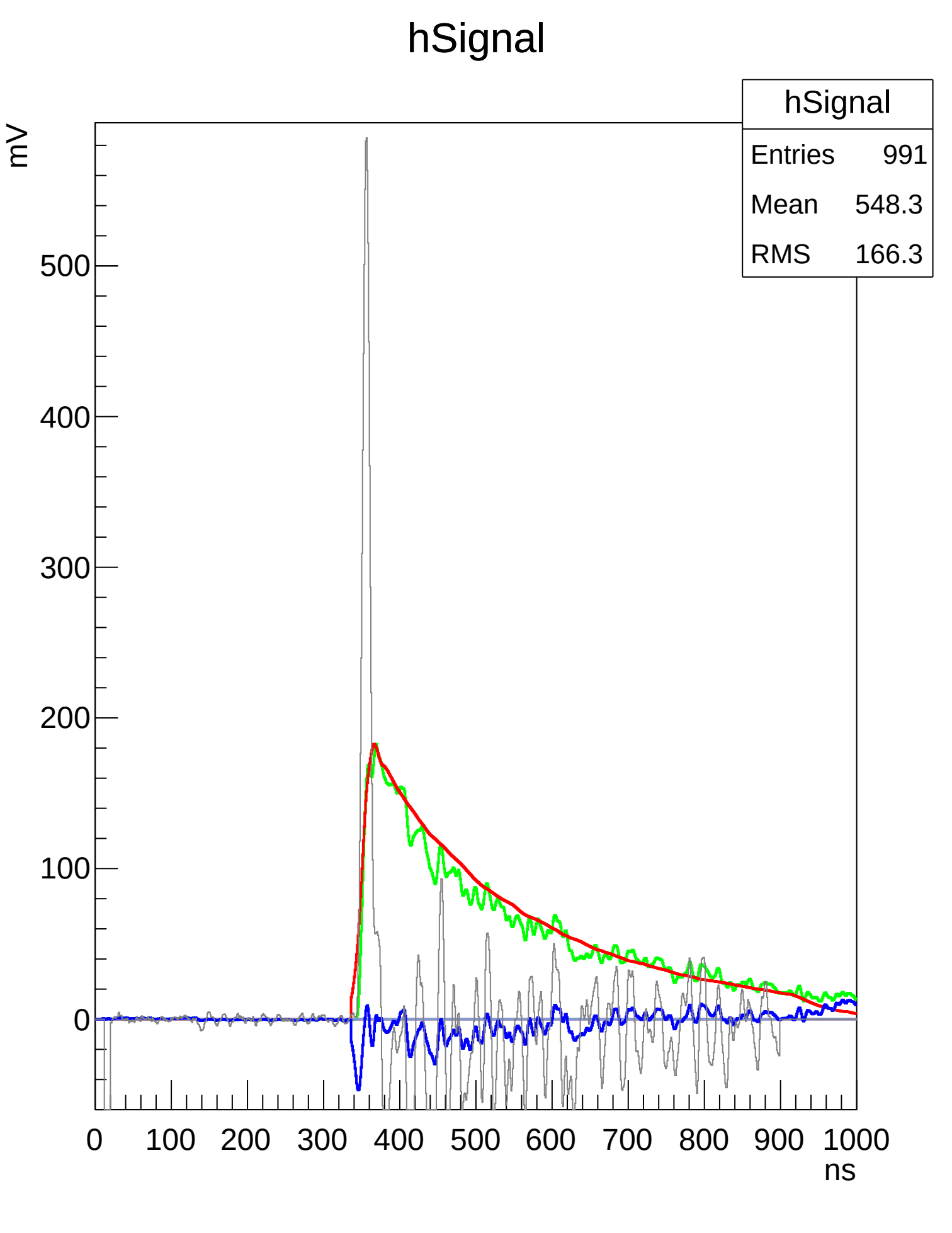

hSignal
hSignal
Entries 991
Mean 550.9
RMS 169.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

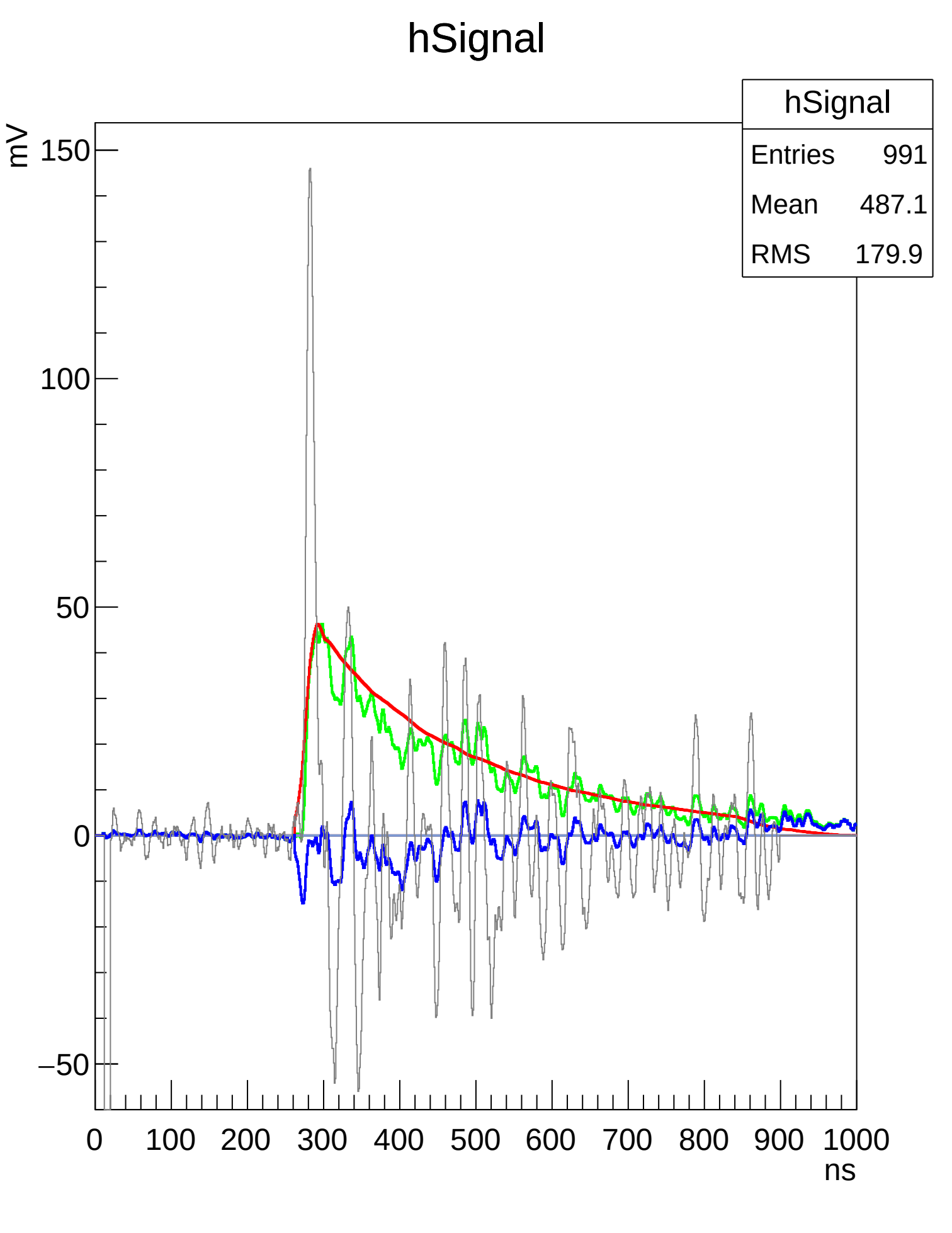

hSignal
hSignal
Entries 991
Mean 494
RMS 181.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

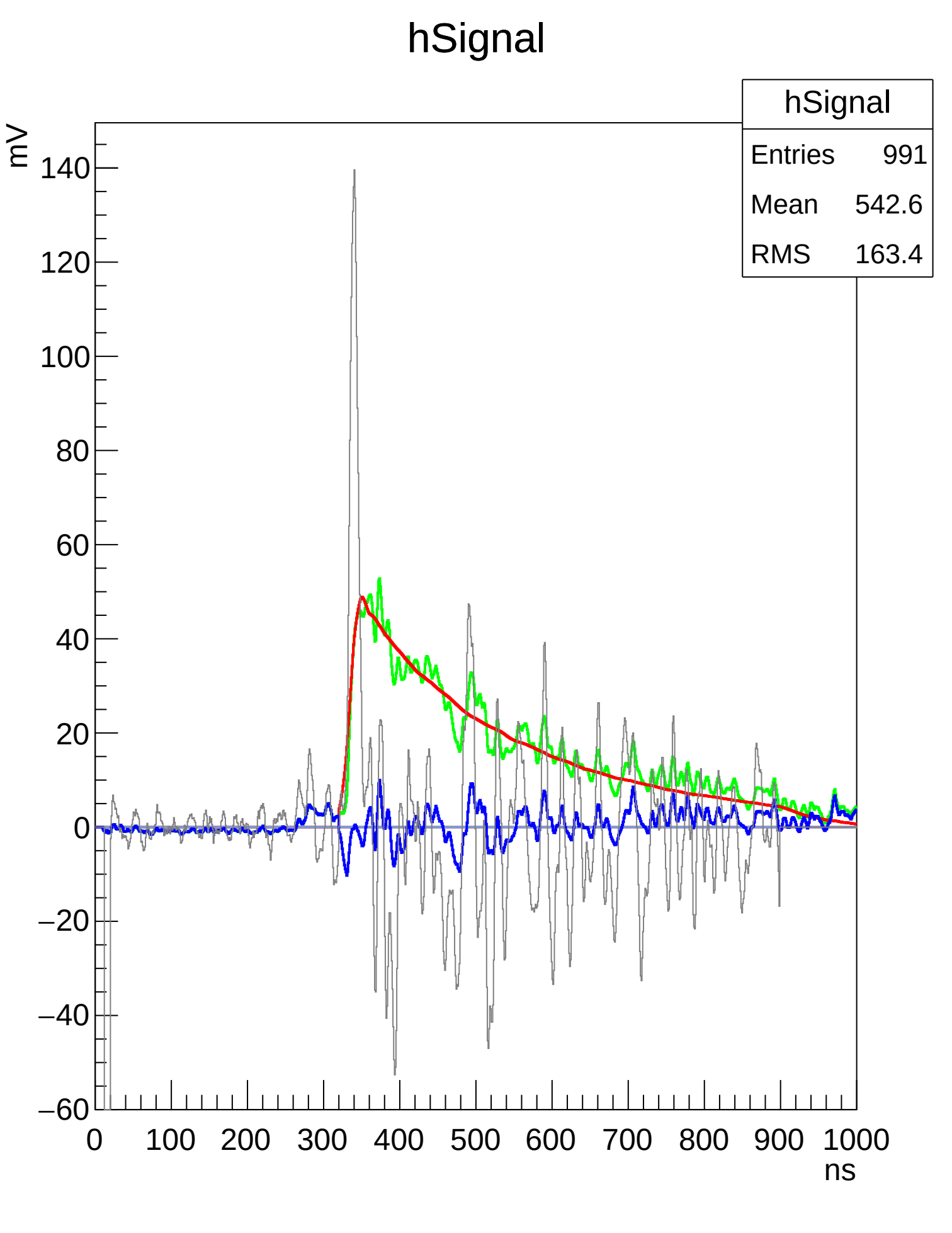

hSignal
hSignal
Entries 991
Mean 488.8
RMS 185.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

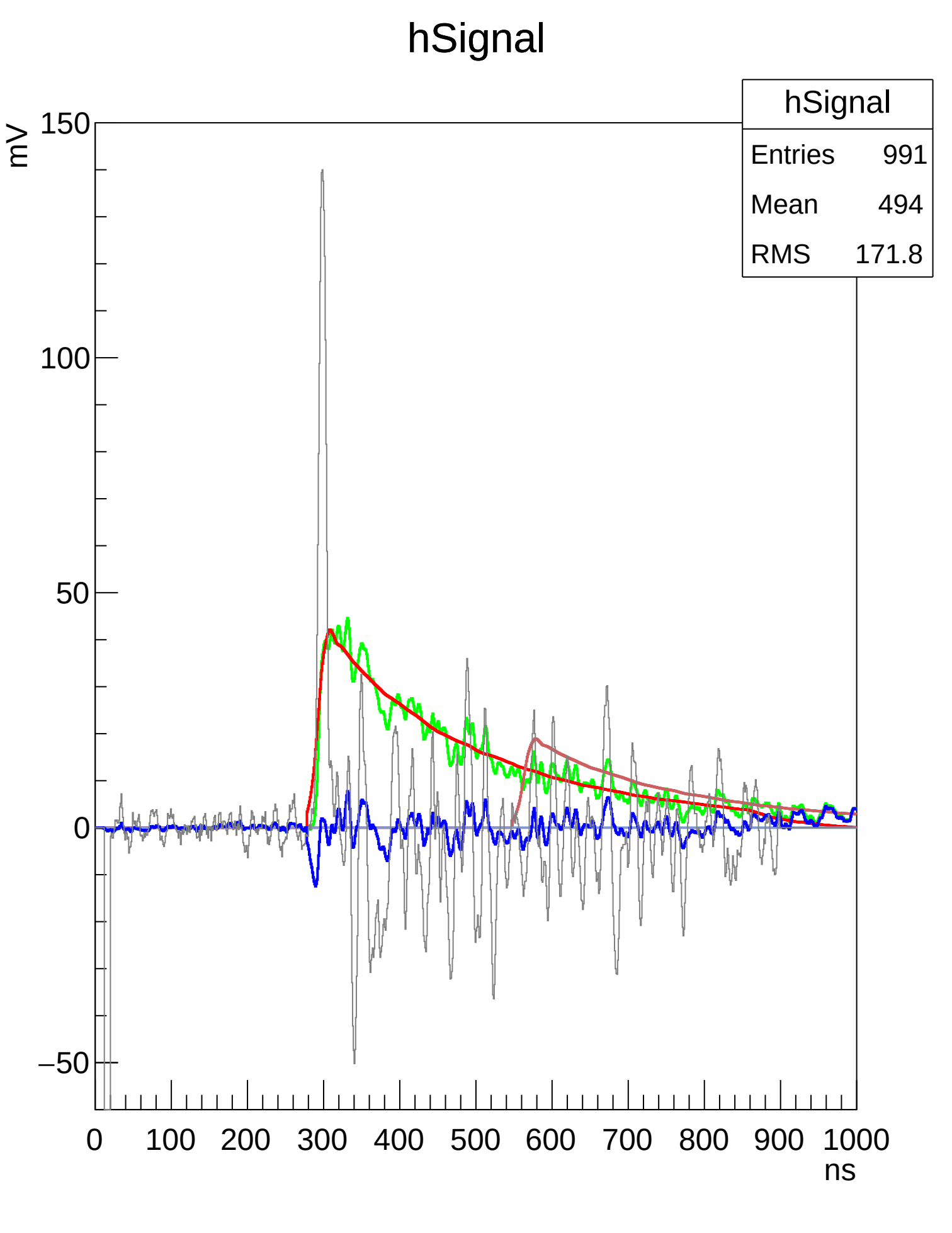

hSignal
hSignal
Entries 991
Mean 514
RMS 178
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

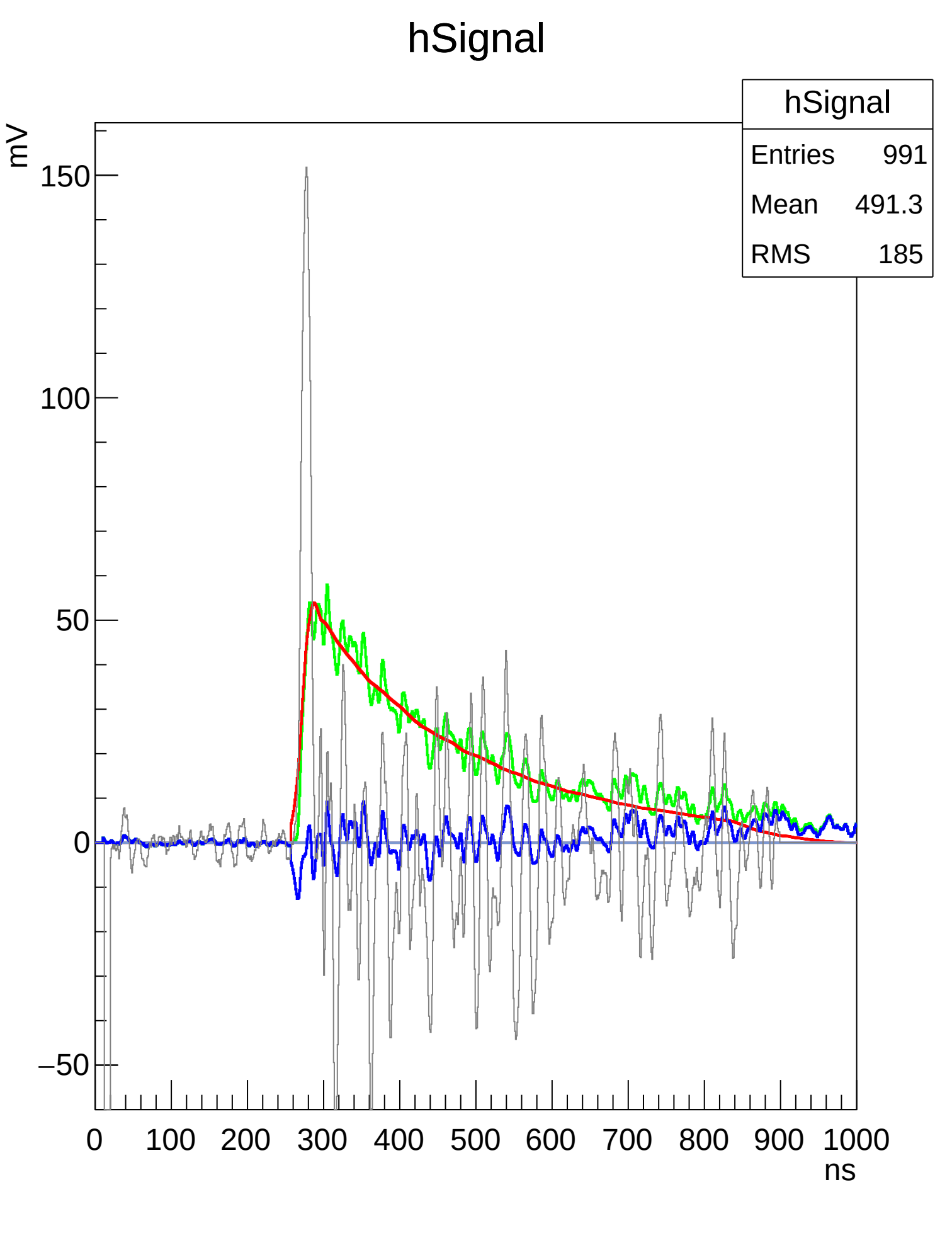

hSignal
hSignal
Entries 991
Mean 565.3
RMS 147.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

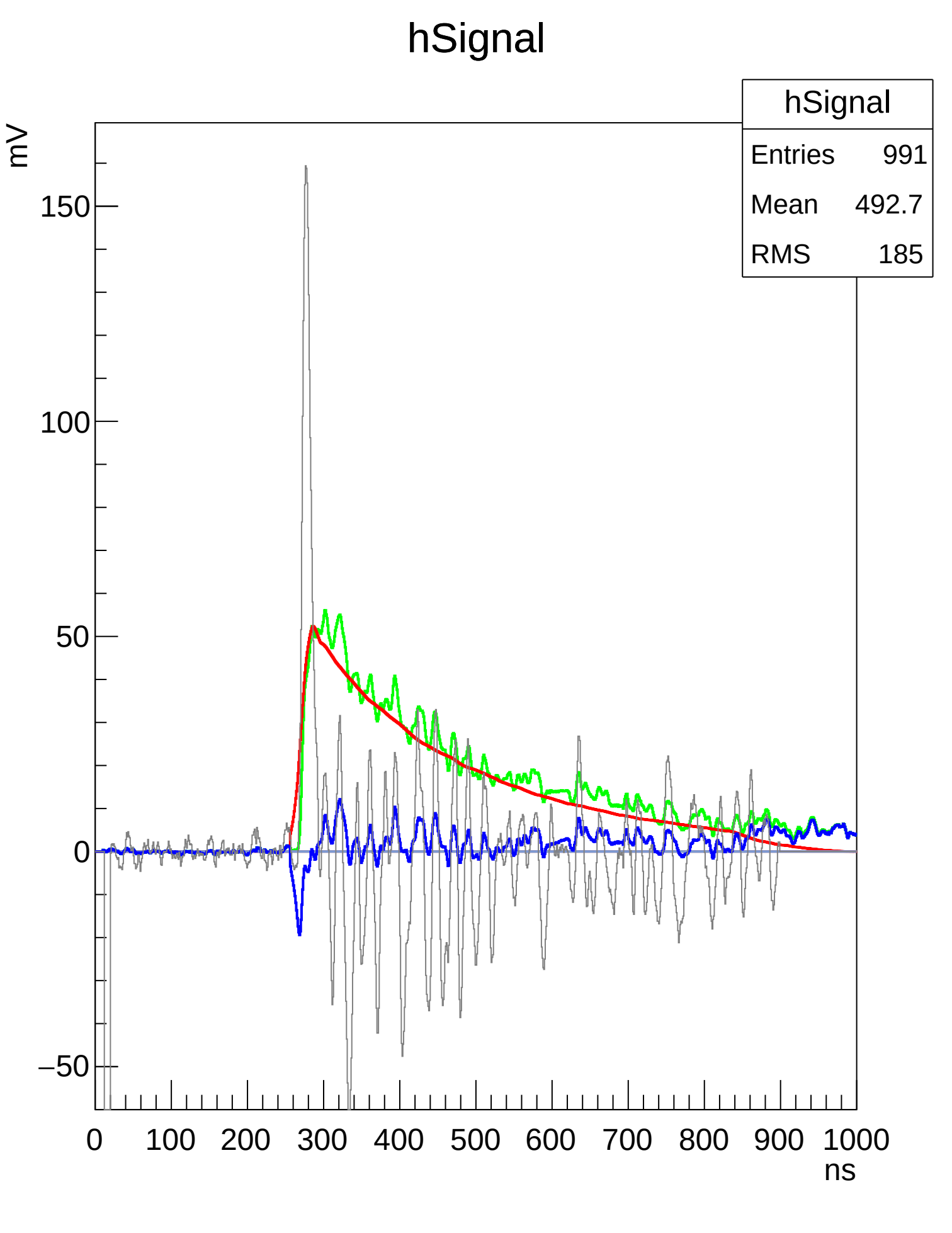

hSignal
hSignal
Entries 991
Mean 548.3
RMS 166.3
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

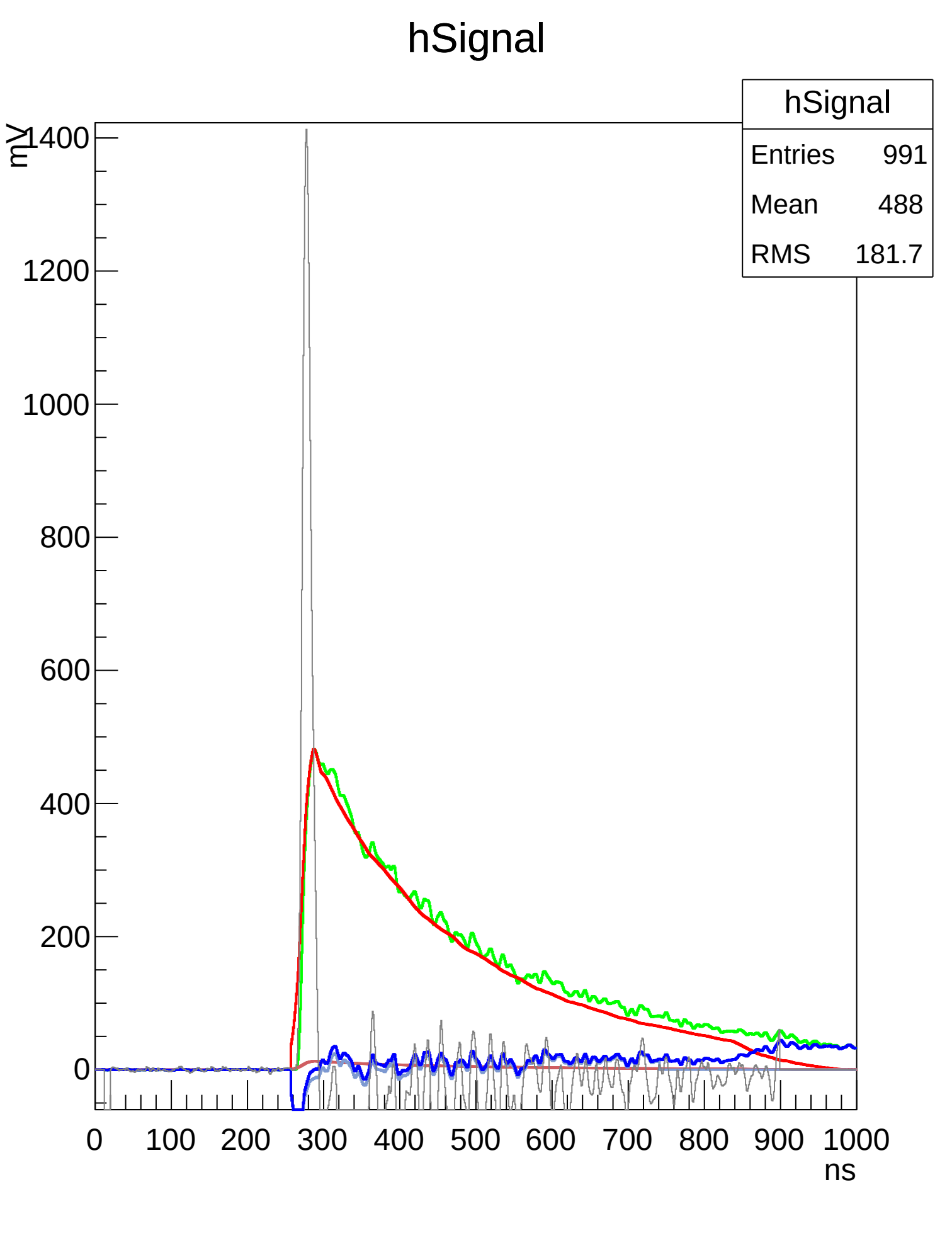

hSignal
hSignal
Entries 991
Mean 487.1
RMS 179.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

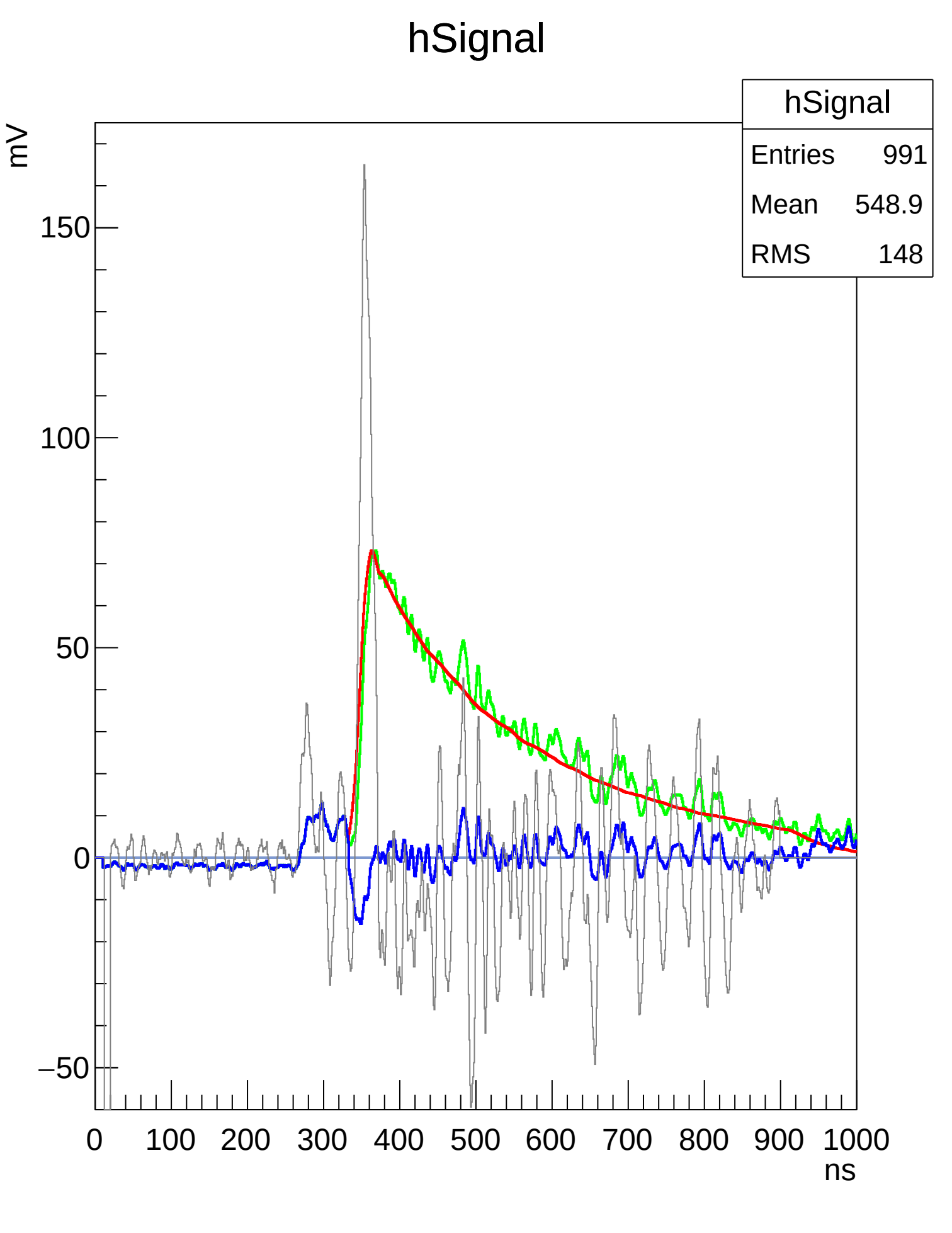

hSignal
hSignal
Entries 991
Mean 542.6
RMS 163.4
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

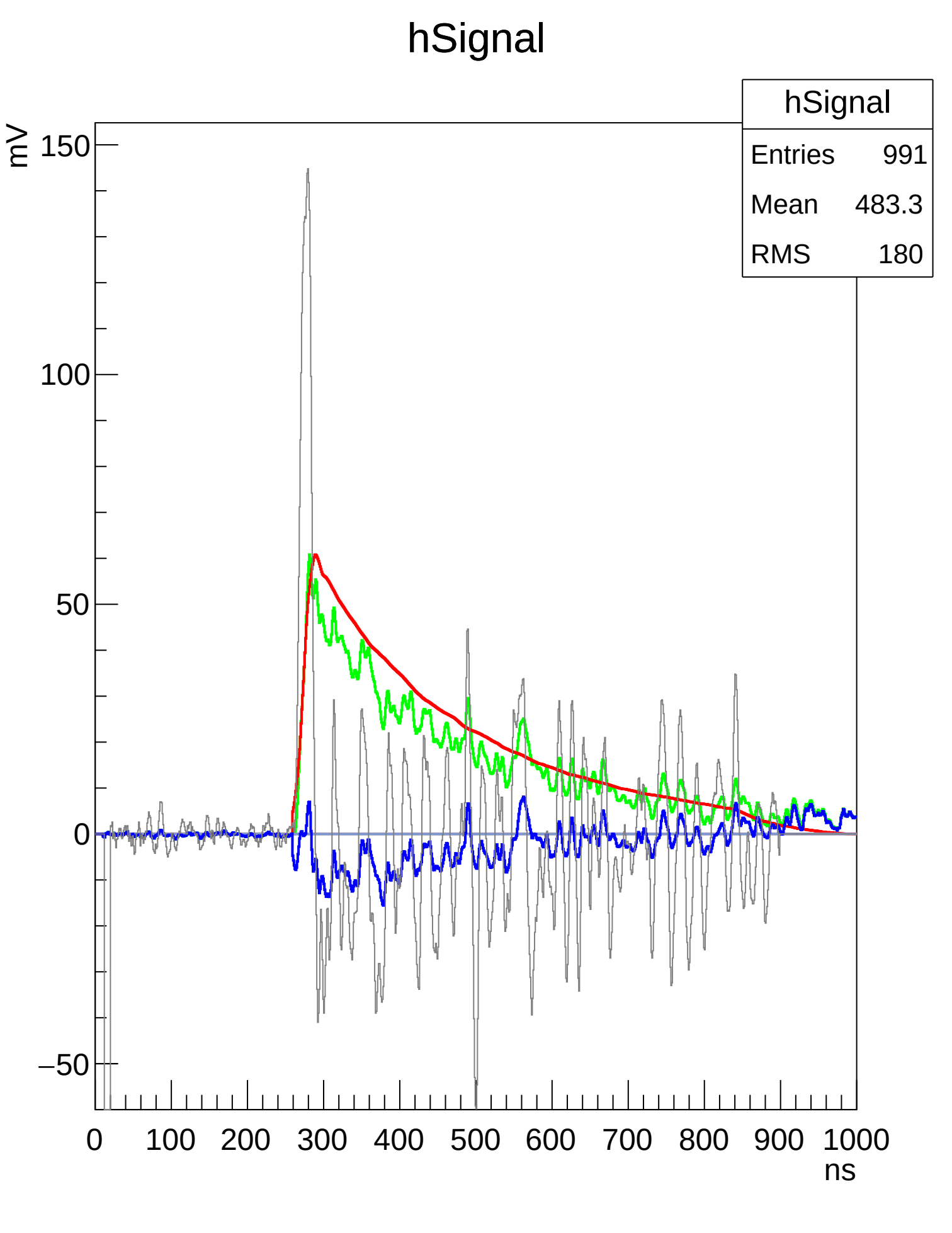

hSignal
hSignal
Entries 991
Mean 494
RMS 171.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

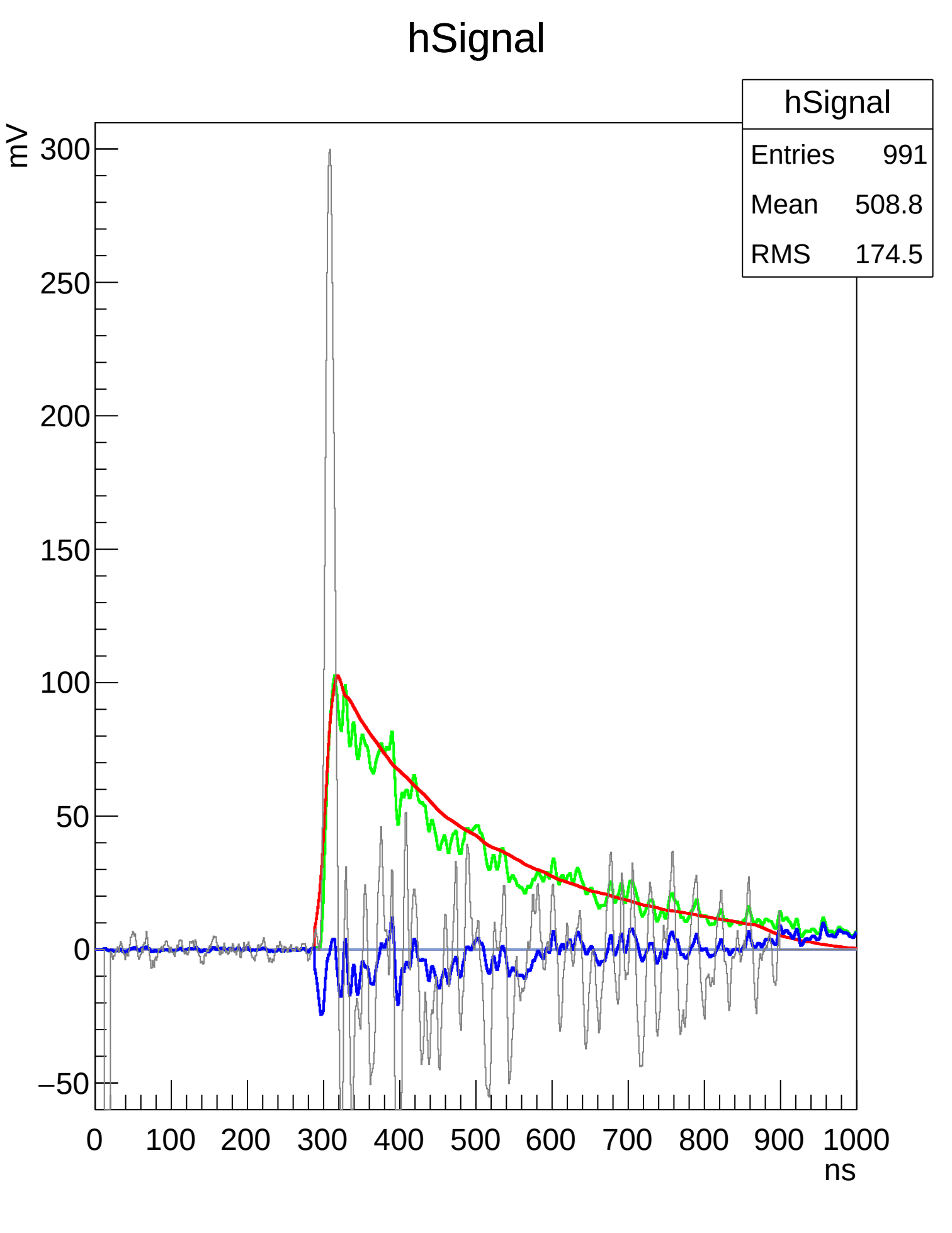

hSignal
hSignal
Entries 991
Mean 491.3
RMS 185
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

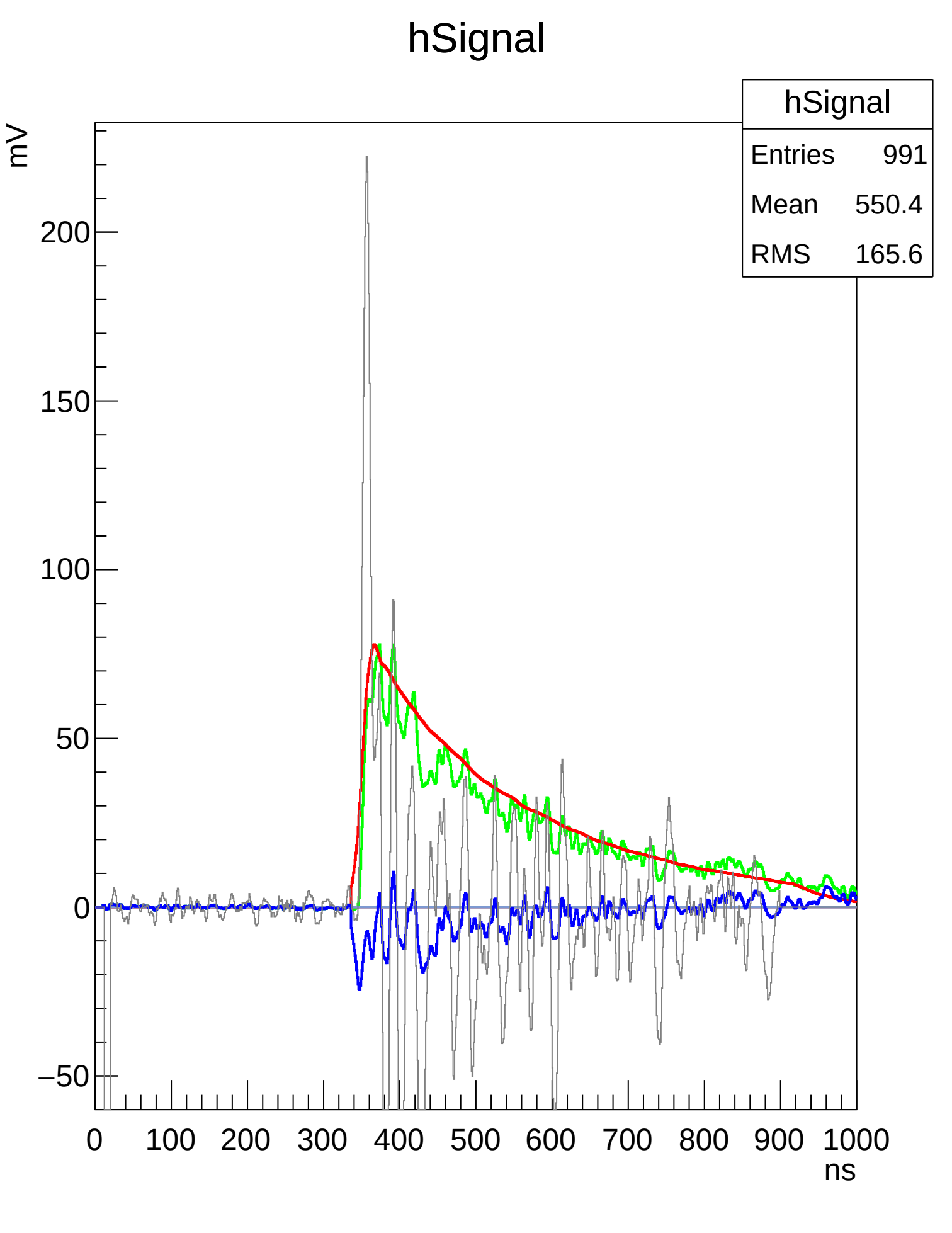

hSignal
hSignal
Entries 991
Mean 492.7
RMS 185
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

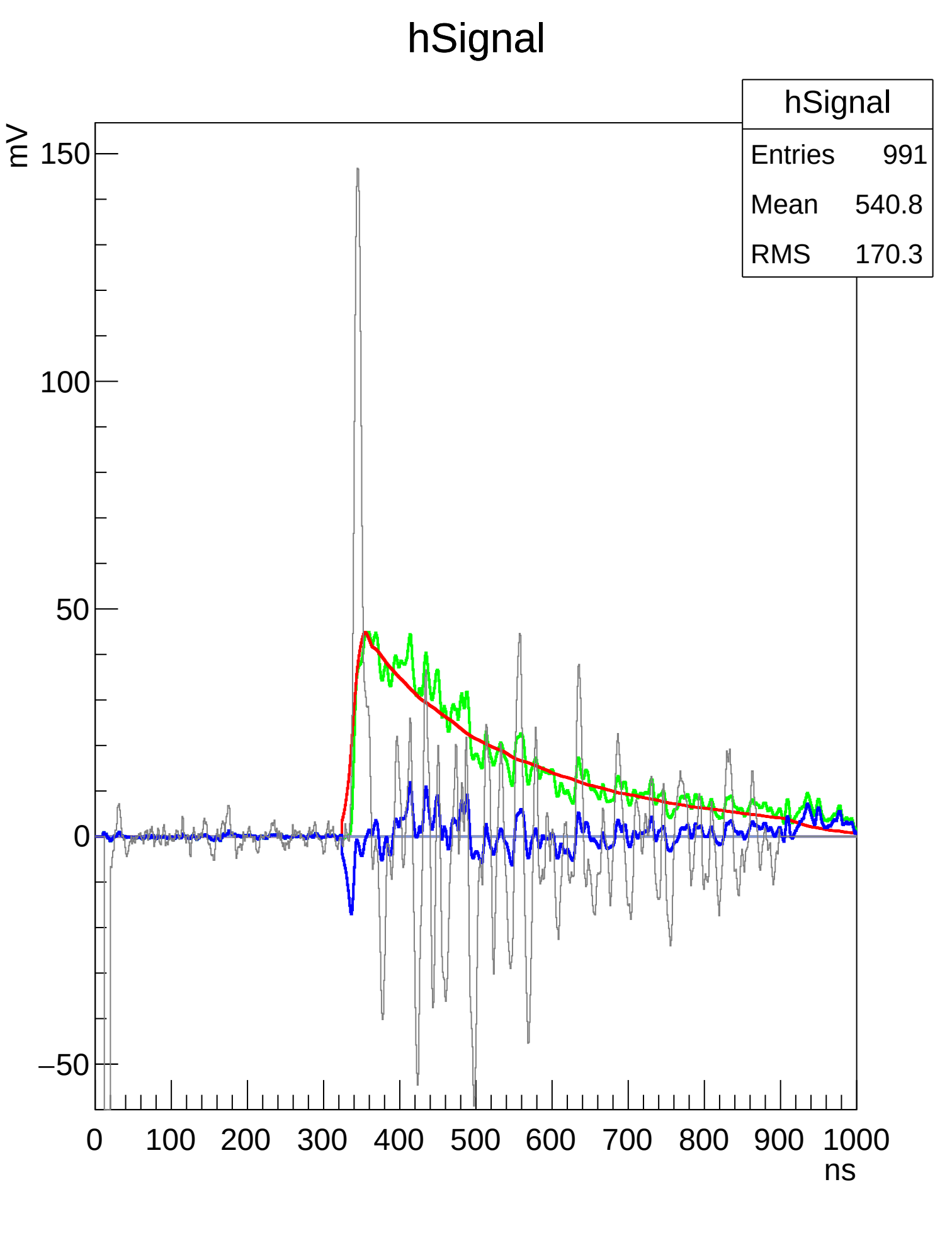

hSignal
hSignal
Entries 991
Mean 488
RMS 181.7
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

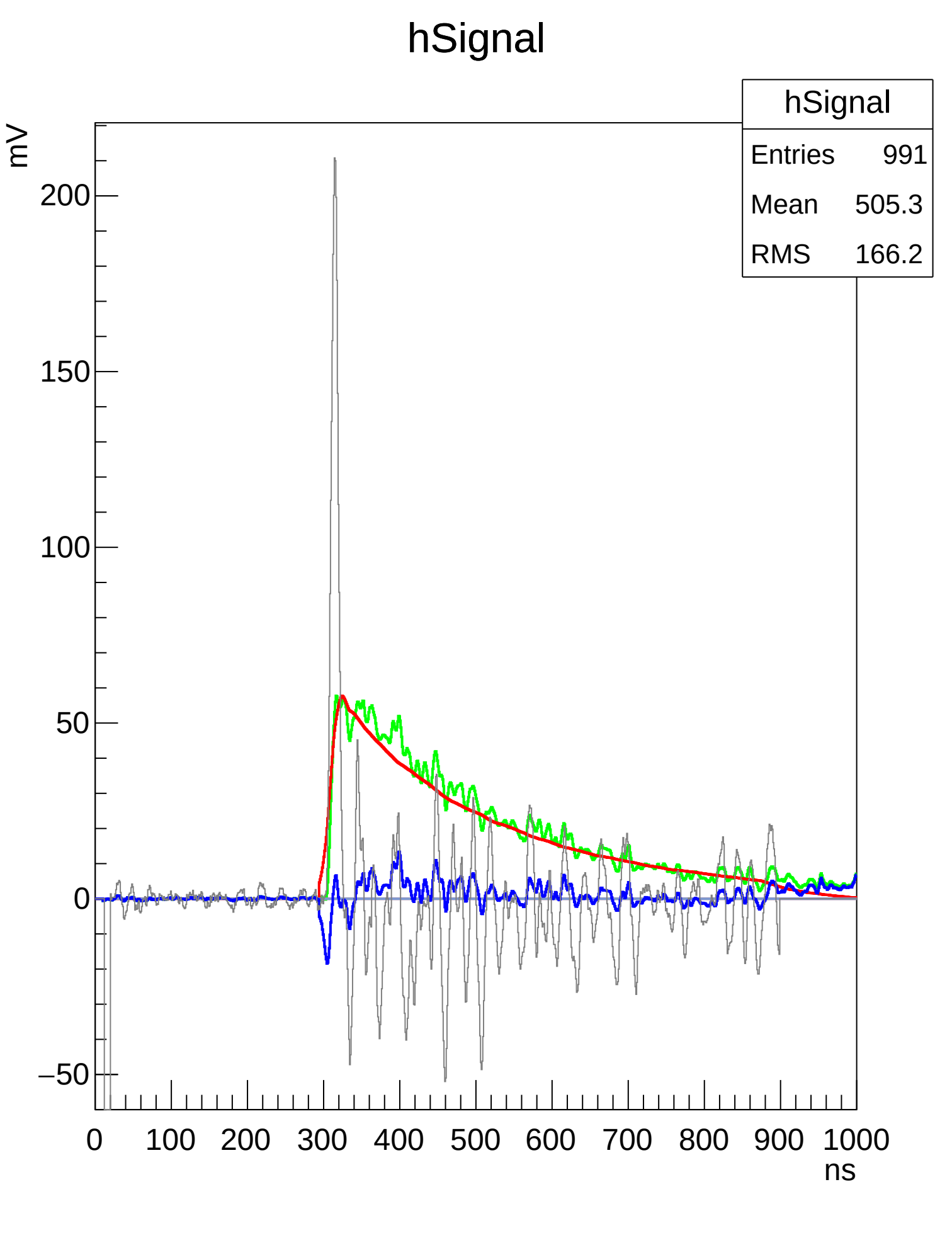

hSignal
hSignal
Entries 991
Mean 548.9
RMS 148
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

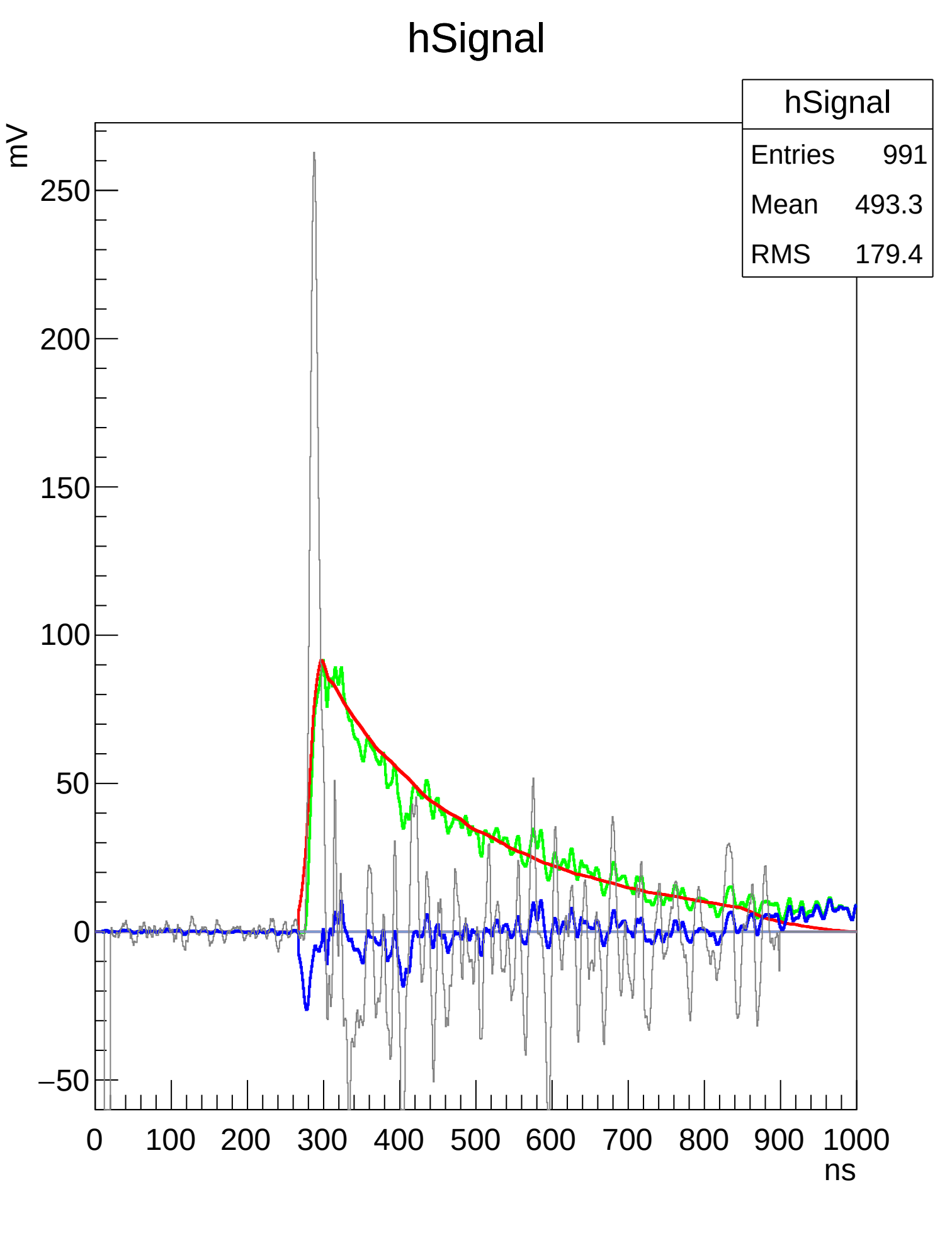

hSignal
hSignal
Entries 991
Mean 483.3
RMS 180
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

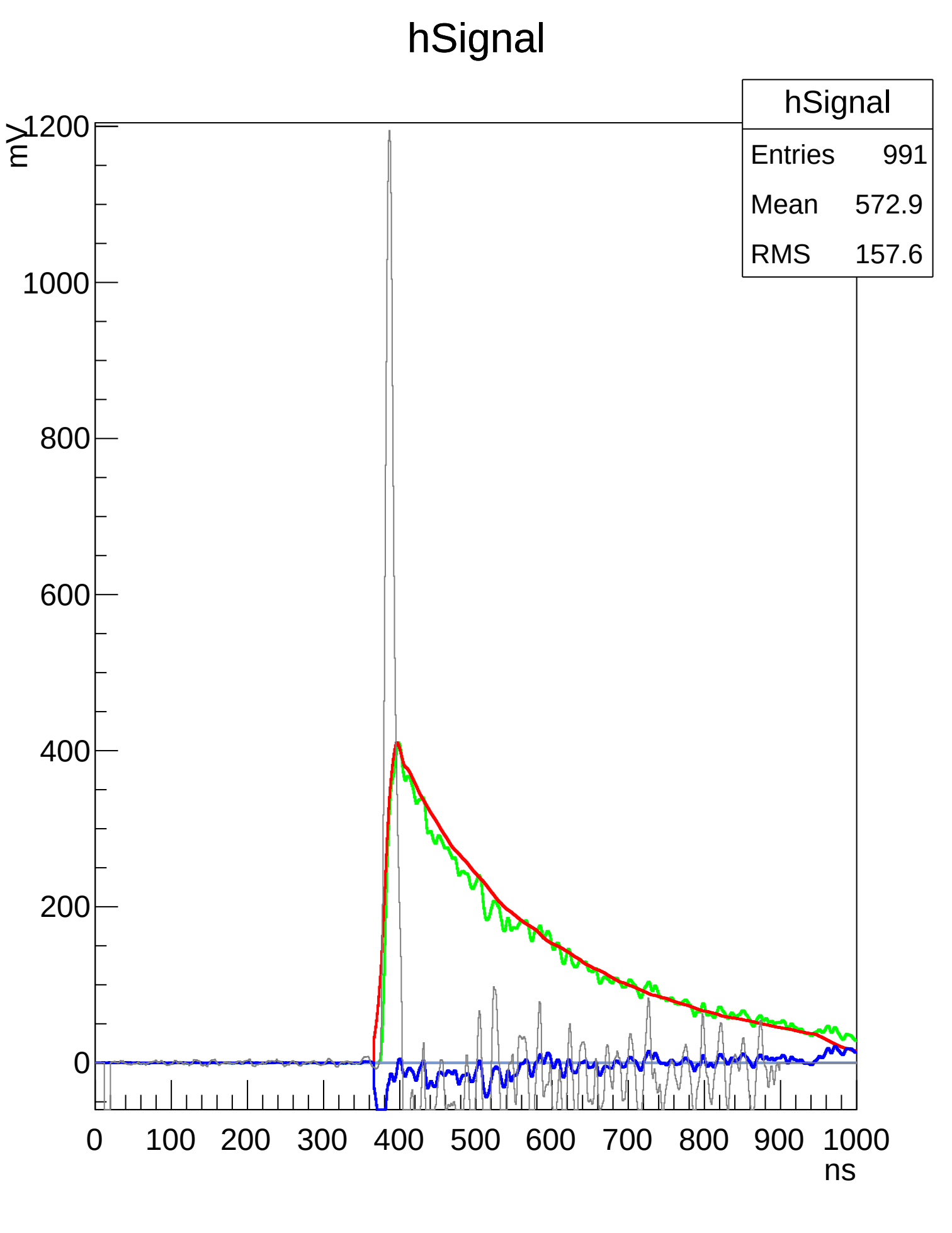

hSignal
hSignal
Entries 991
Mean 508.8
RMS 174.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

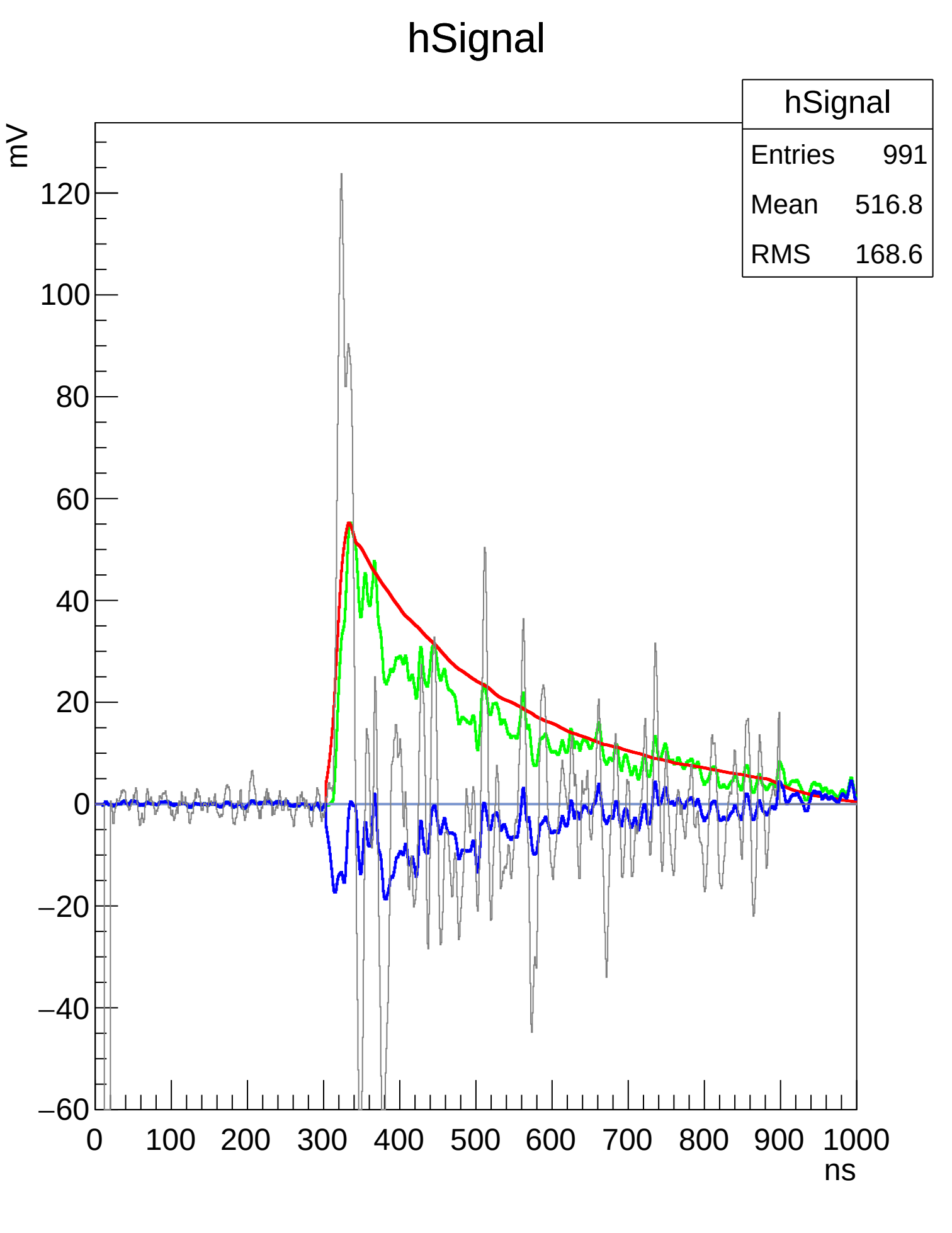

hSignal
hSignal
Entries 991
Mean 550.4
RMS 165.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

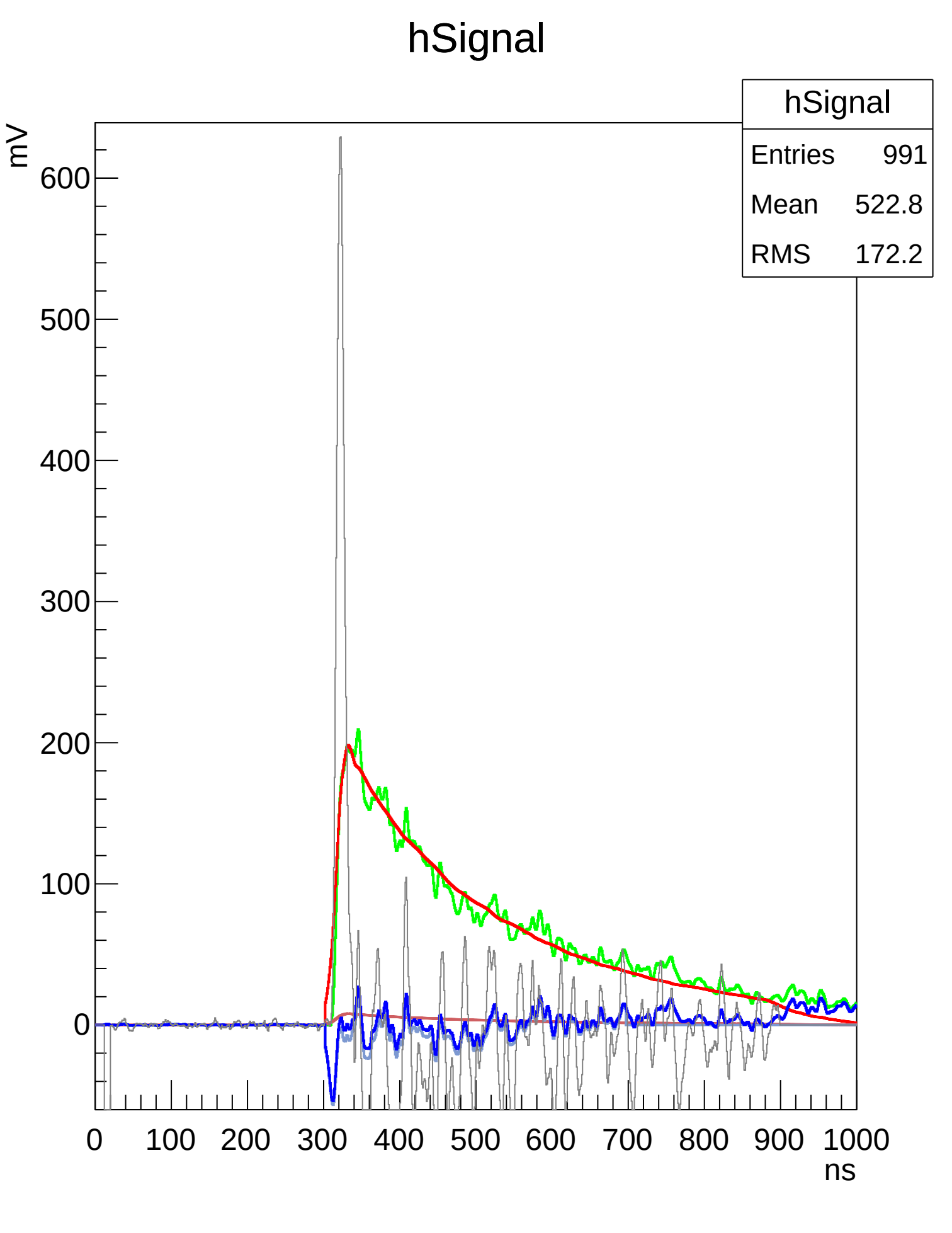

hSignal
hSignal
Entries 991
Mean 540.8
RMS 170.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

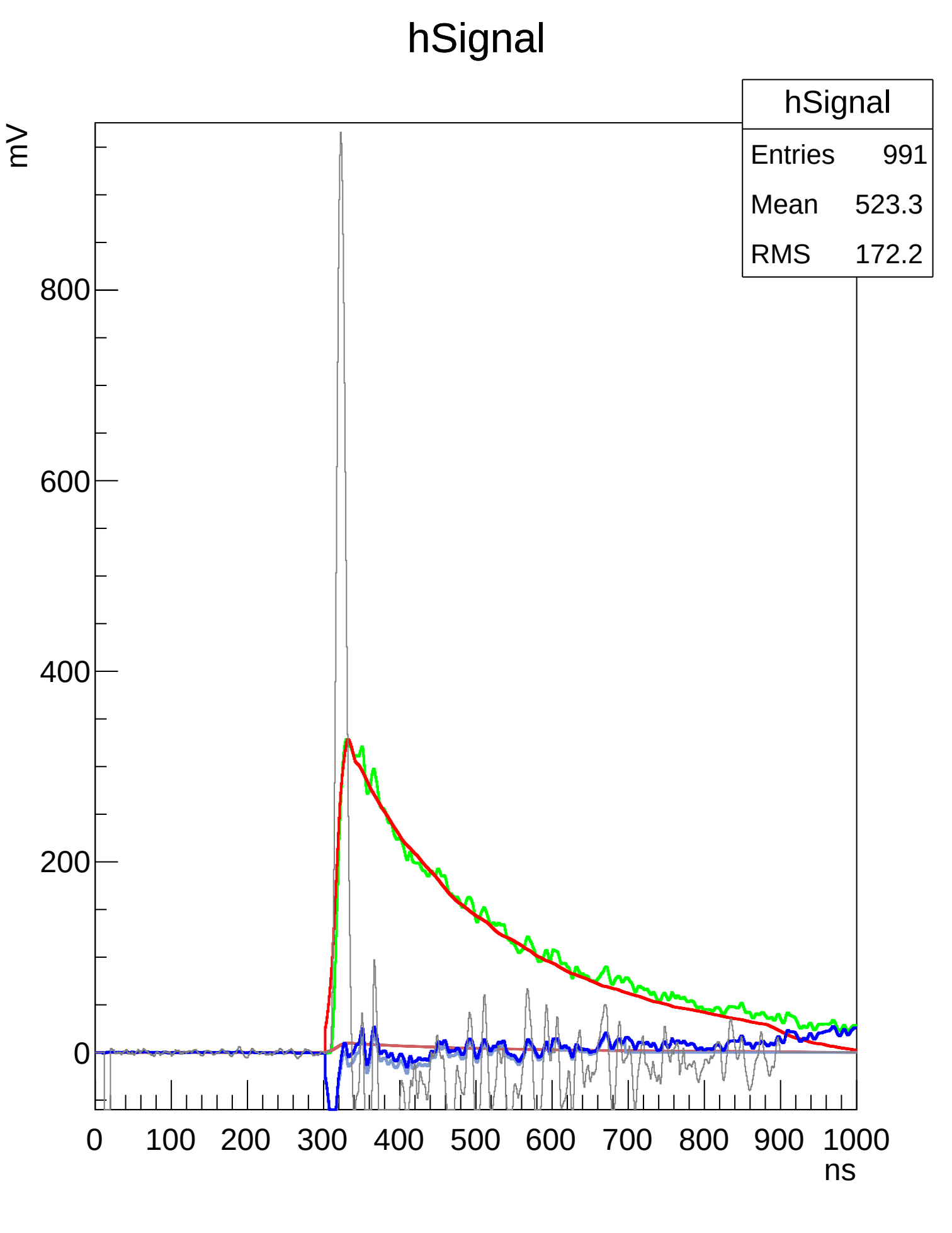

hSignal
hSignal
Entries 991
Mean 505.3
RMS 166.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

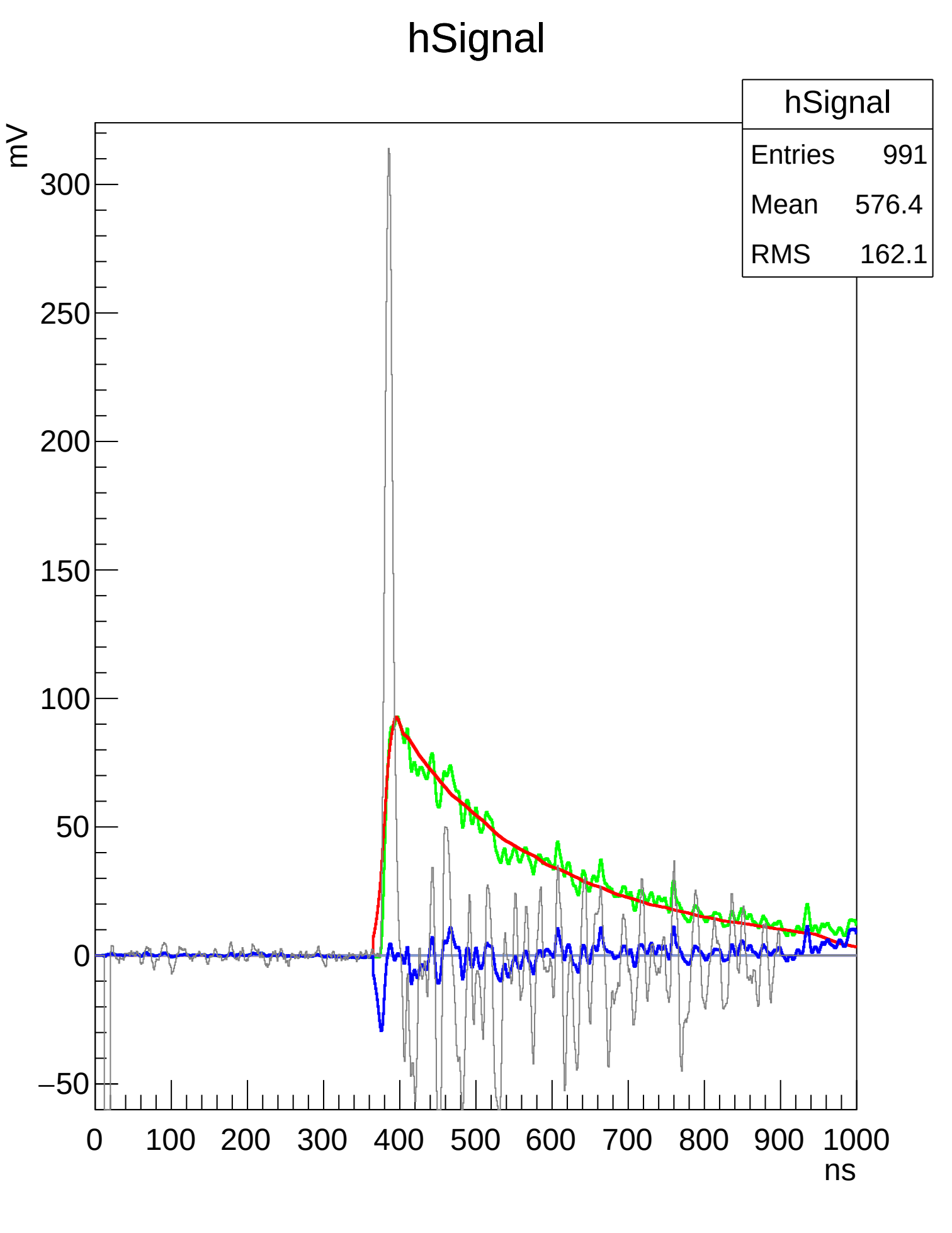

hSignal
hSignal
Entries 991
Mean 493.3
RMS 179.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

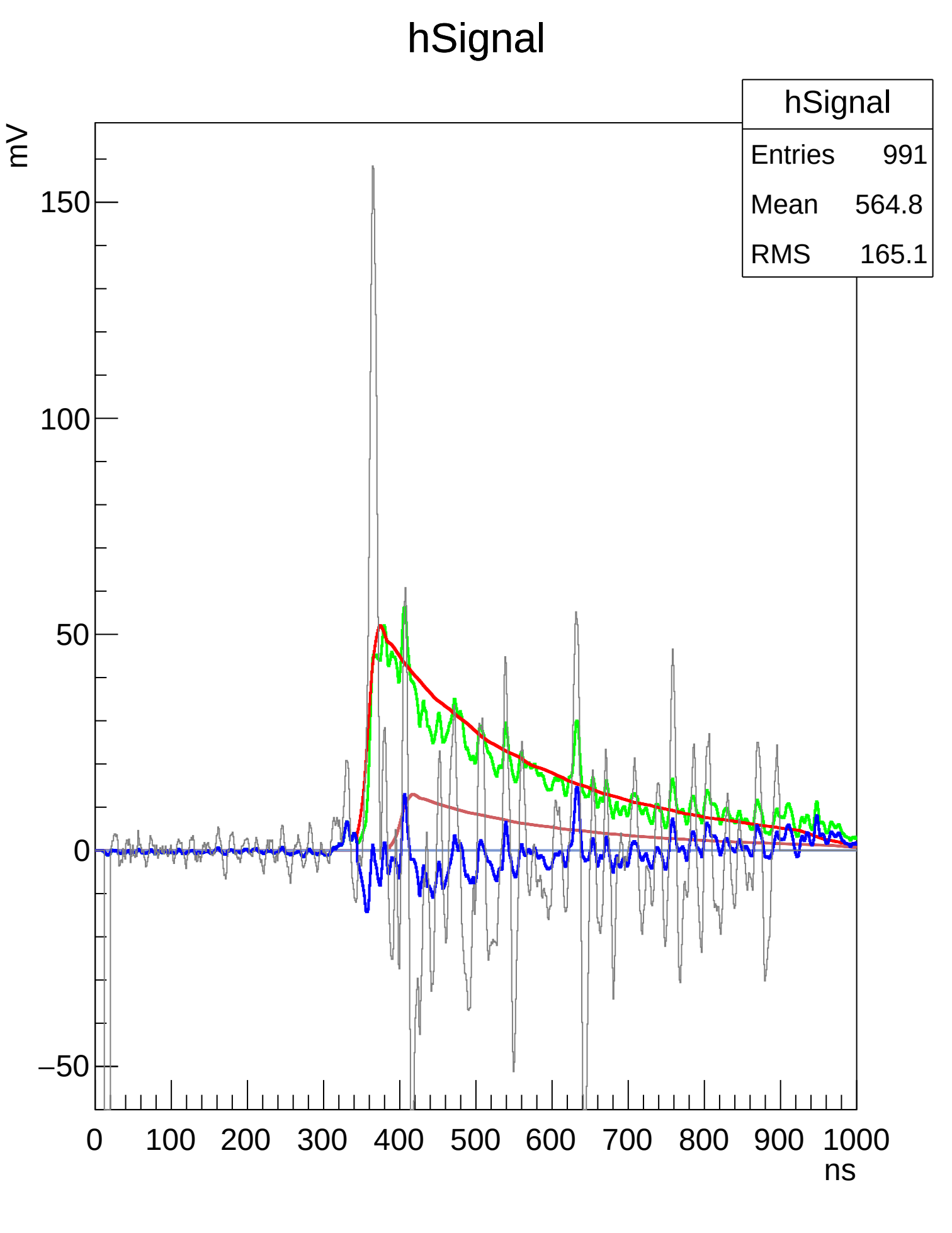

hSignal
hSignal
Entries 991
Mean 572.9
RMS 157.6
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

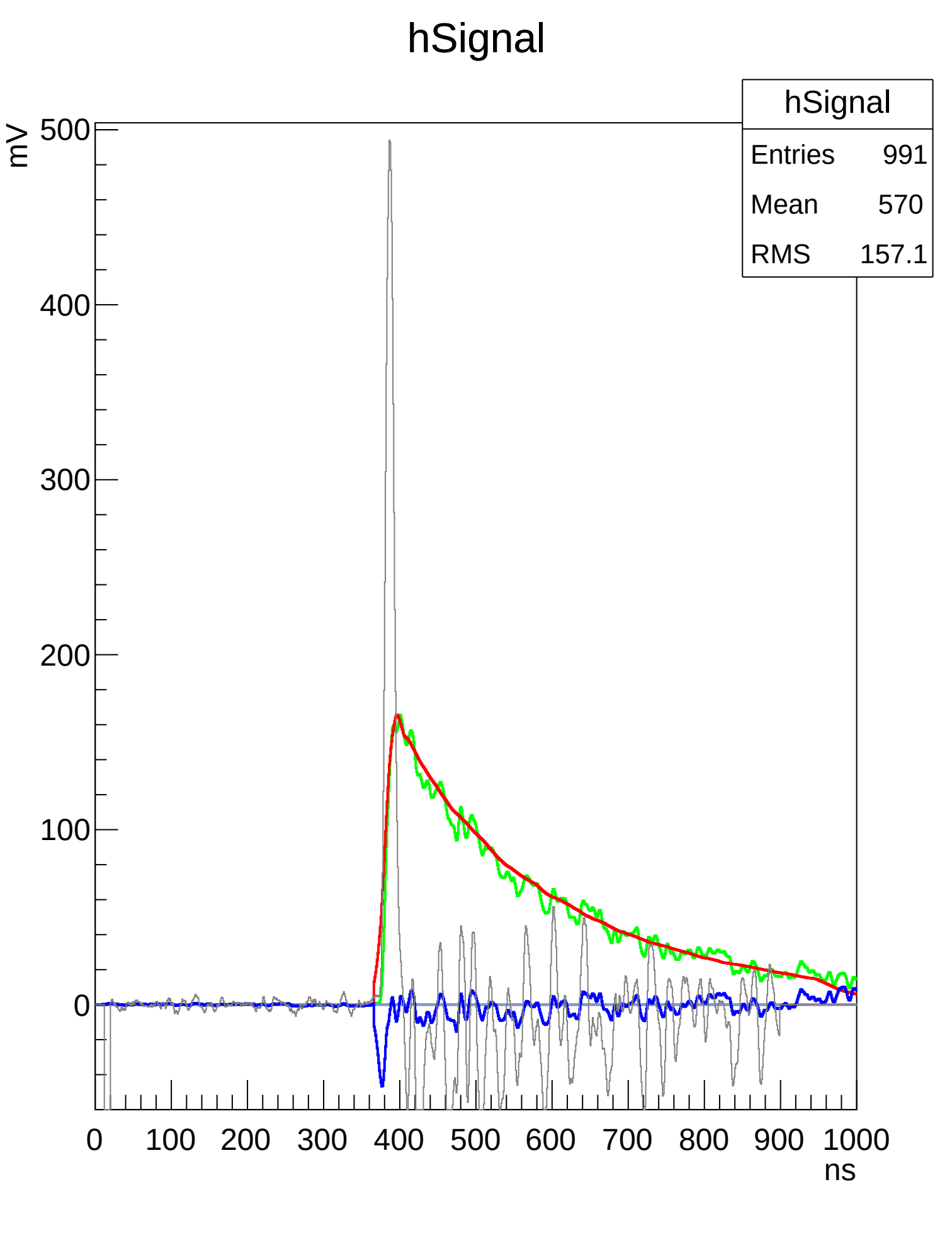

hSignal
hSignal
Entries 991
Mean 516.8
RMS 168.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

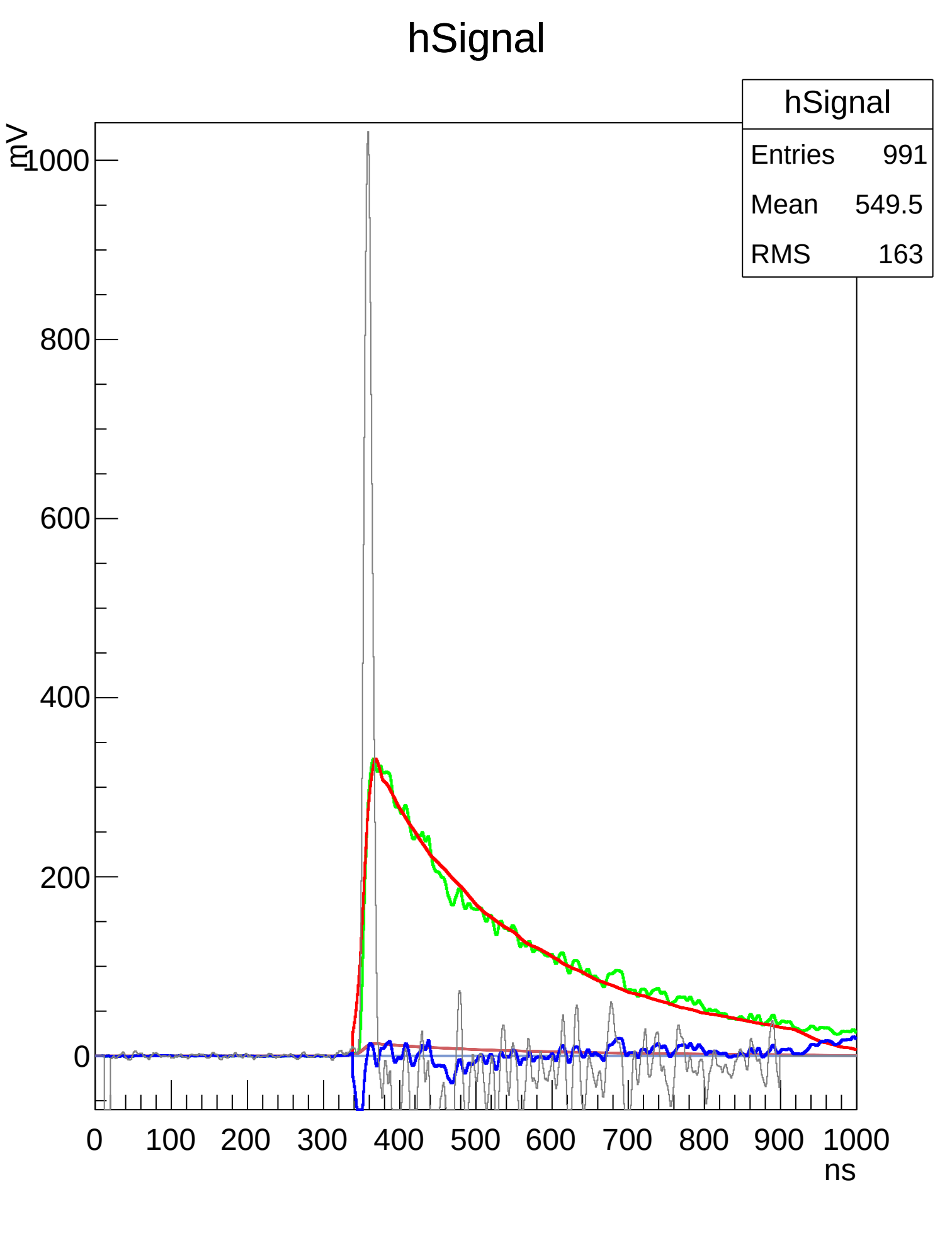

hSignal
hSignal
Entries 991
Mean 522.8
RMS 172.2
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

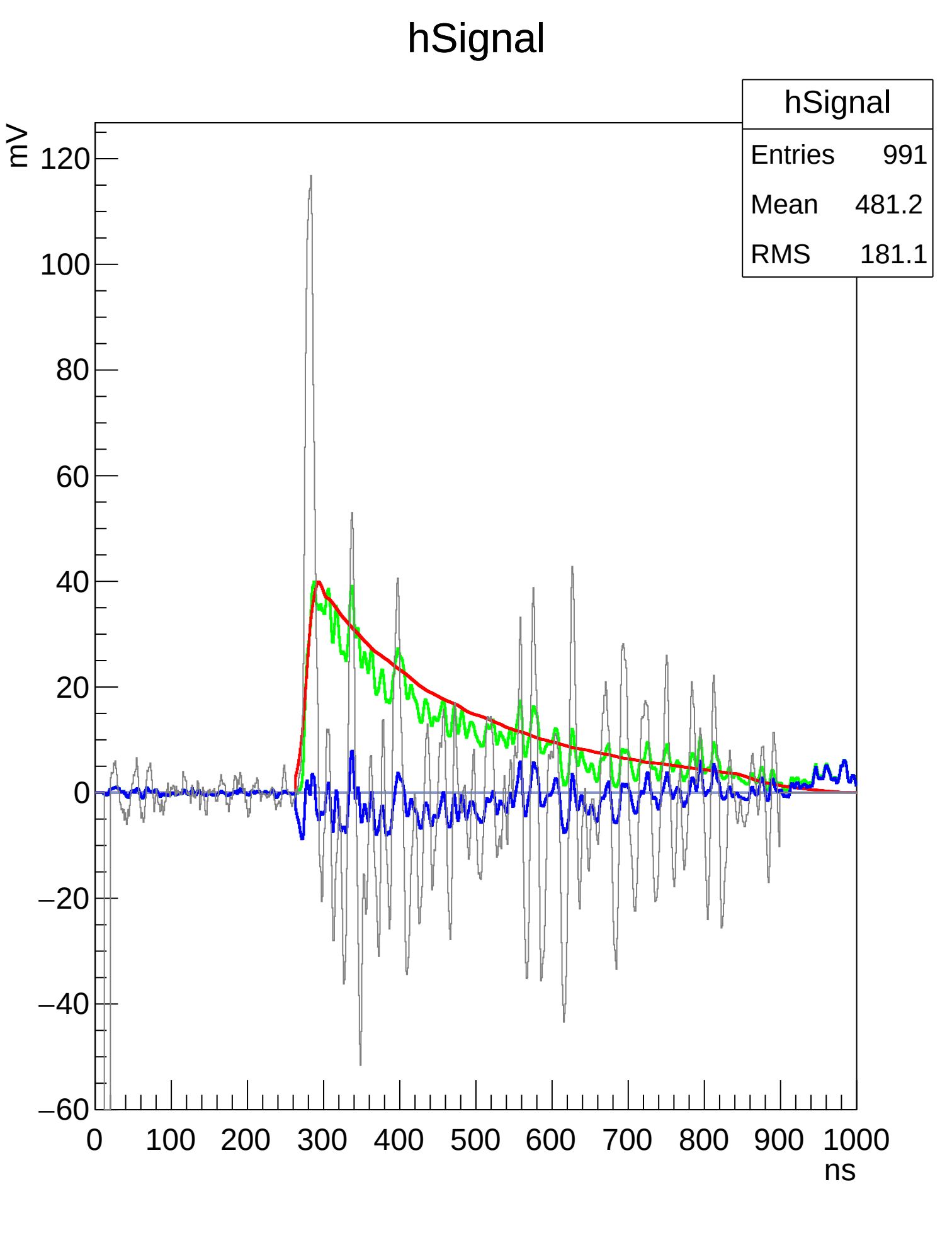

hSignal
hSignal
Entries 991
Mean 523.3
RMS 172.2
mV
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

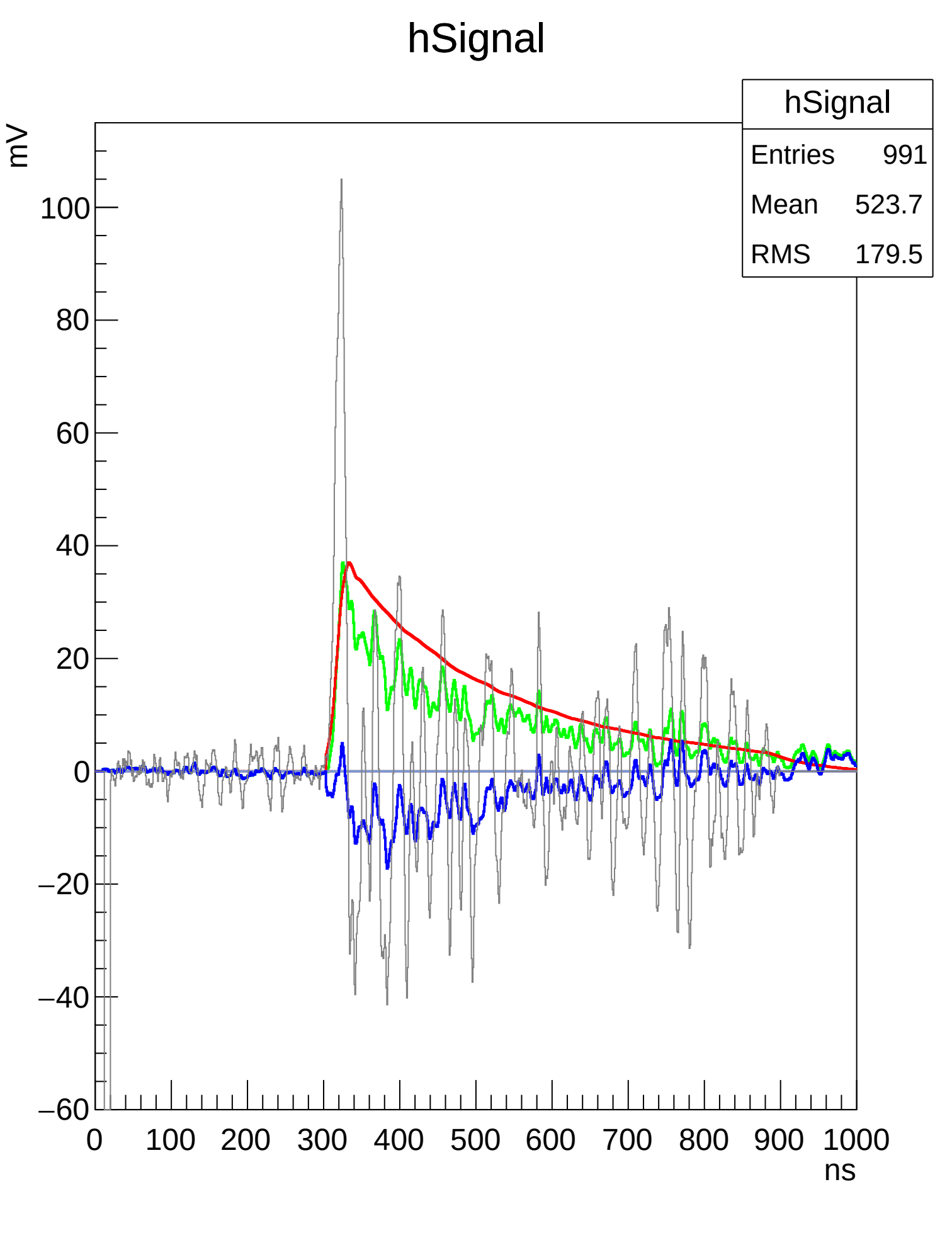

hSignal
hSignal
Entries 991
Mean 576.4
RMS 162.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

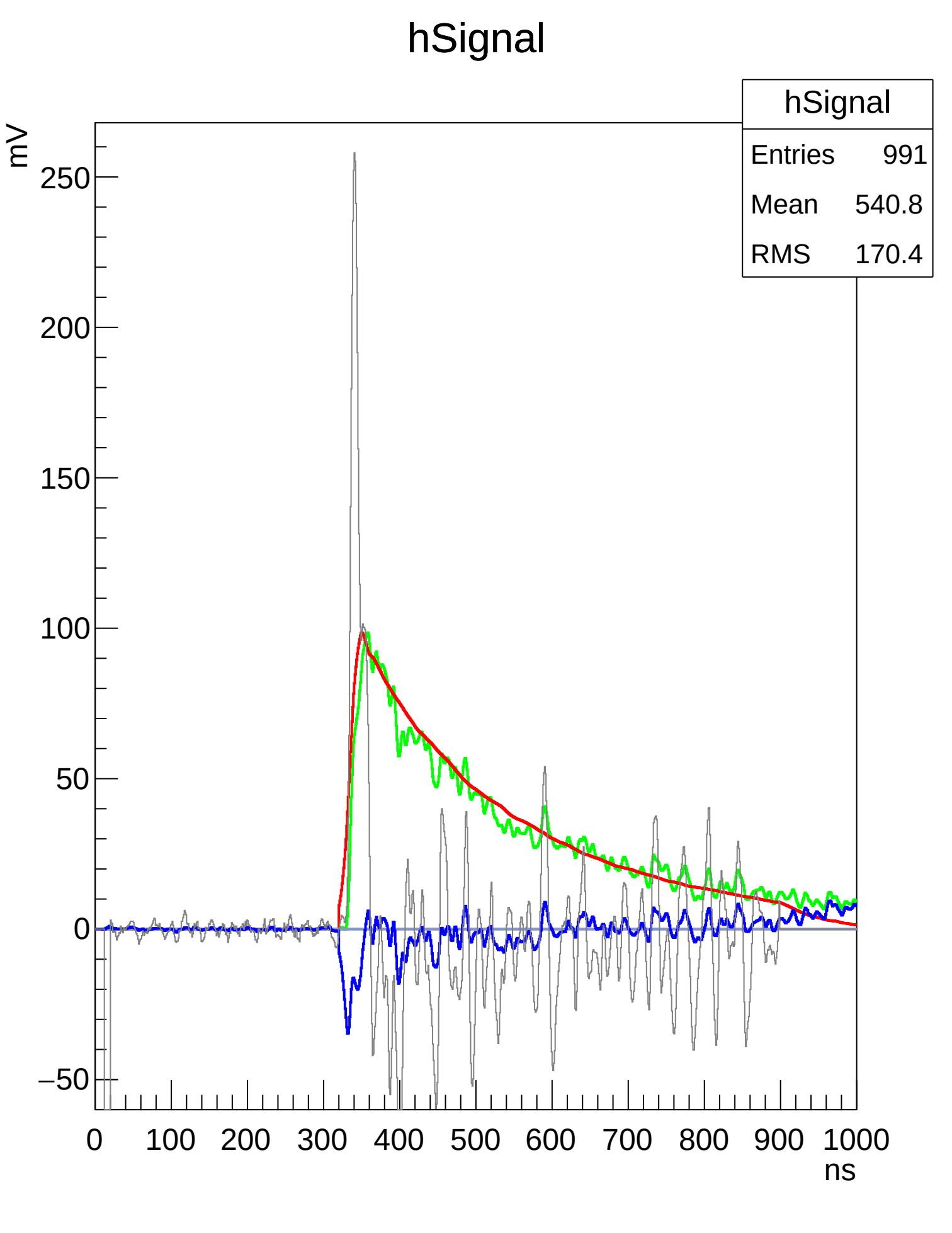

hSignal
hSignal
Entries 991
Mean 564.8
RMS 165.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

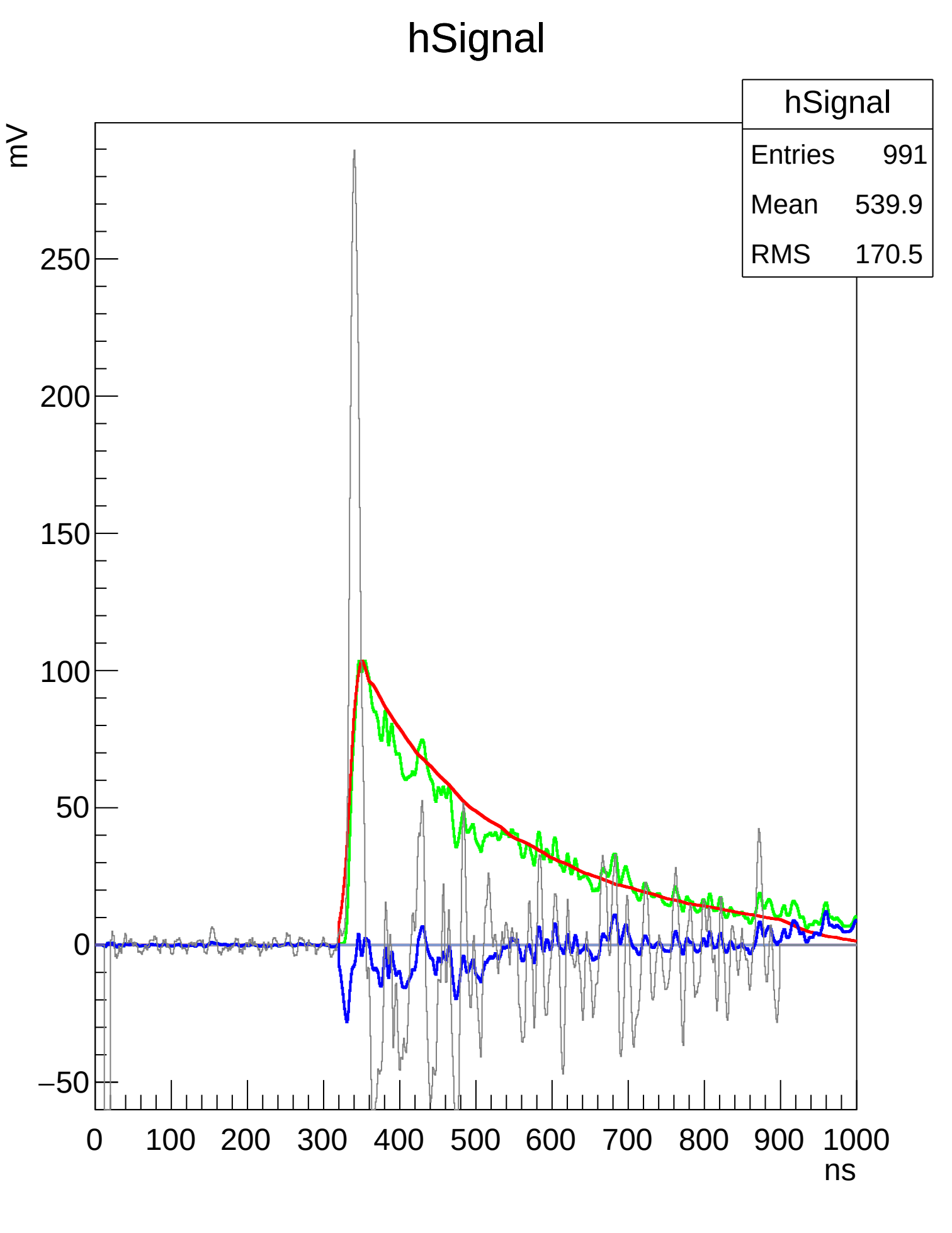

hSignal
hSignal
Entries 991
Mean 570
RMS 157.1
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

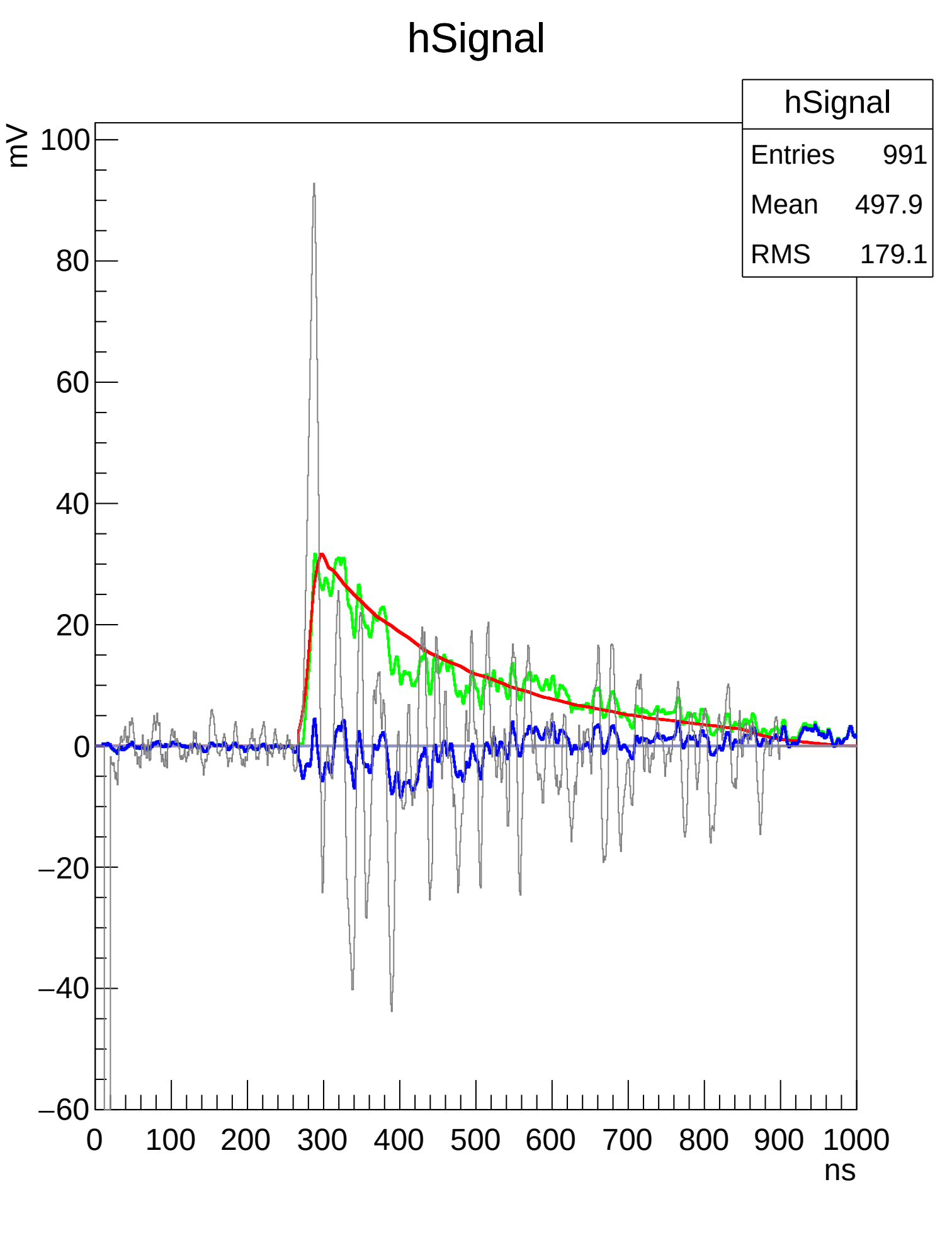

hSignal
hSignal
Entries 991
Mean 549.5
RMS 163
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

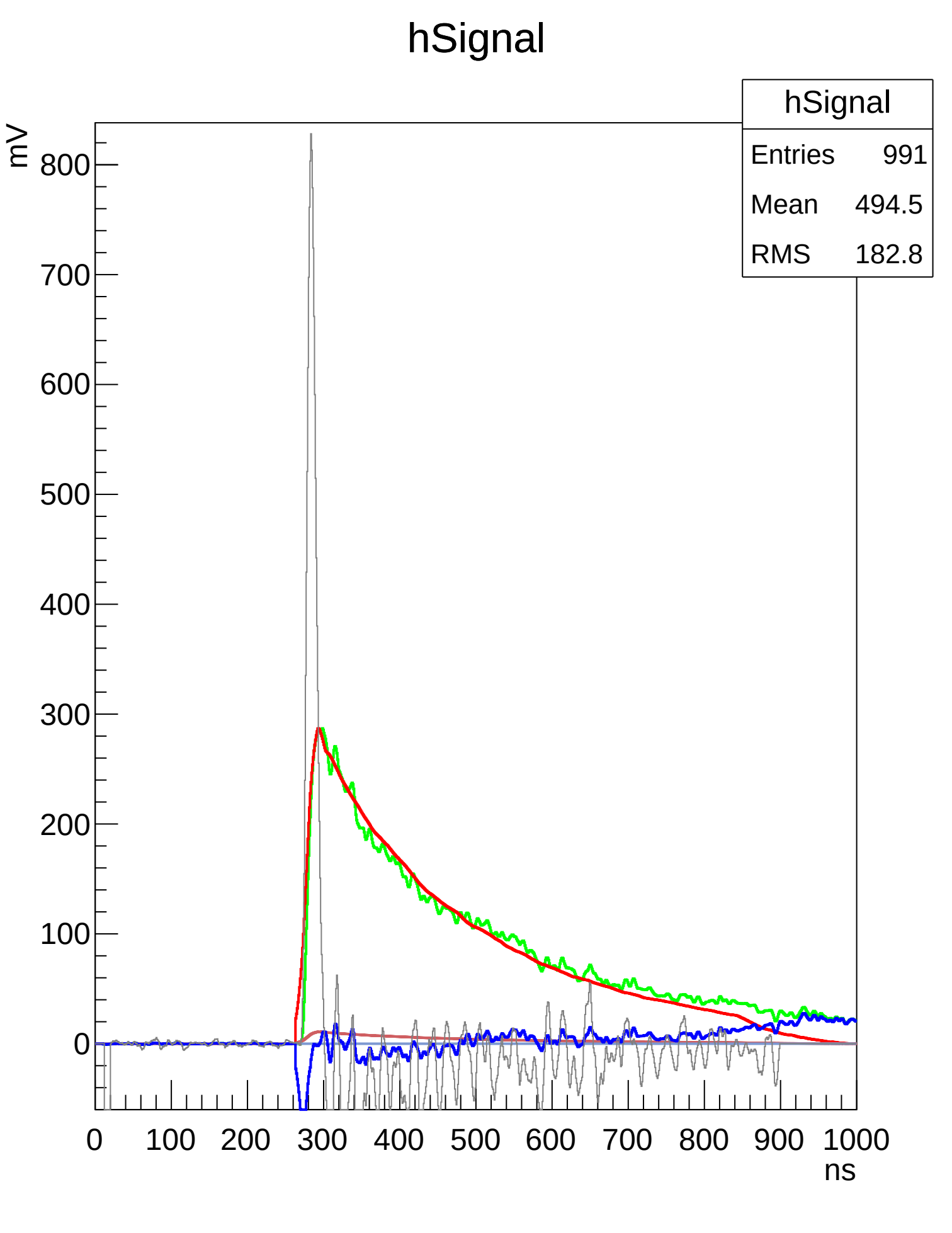

hSignal
hSignal
Entries 991
Mean 481.2
RMS 181.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

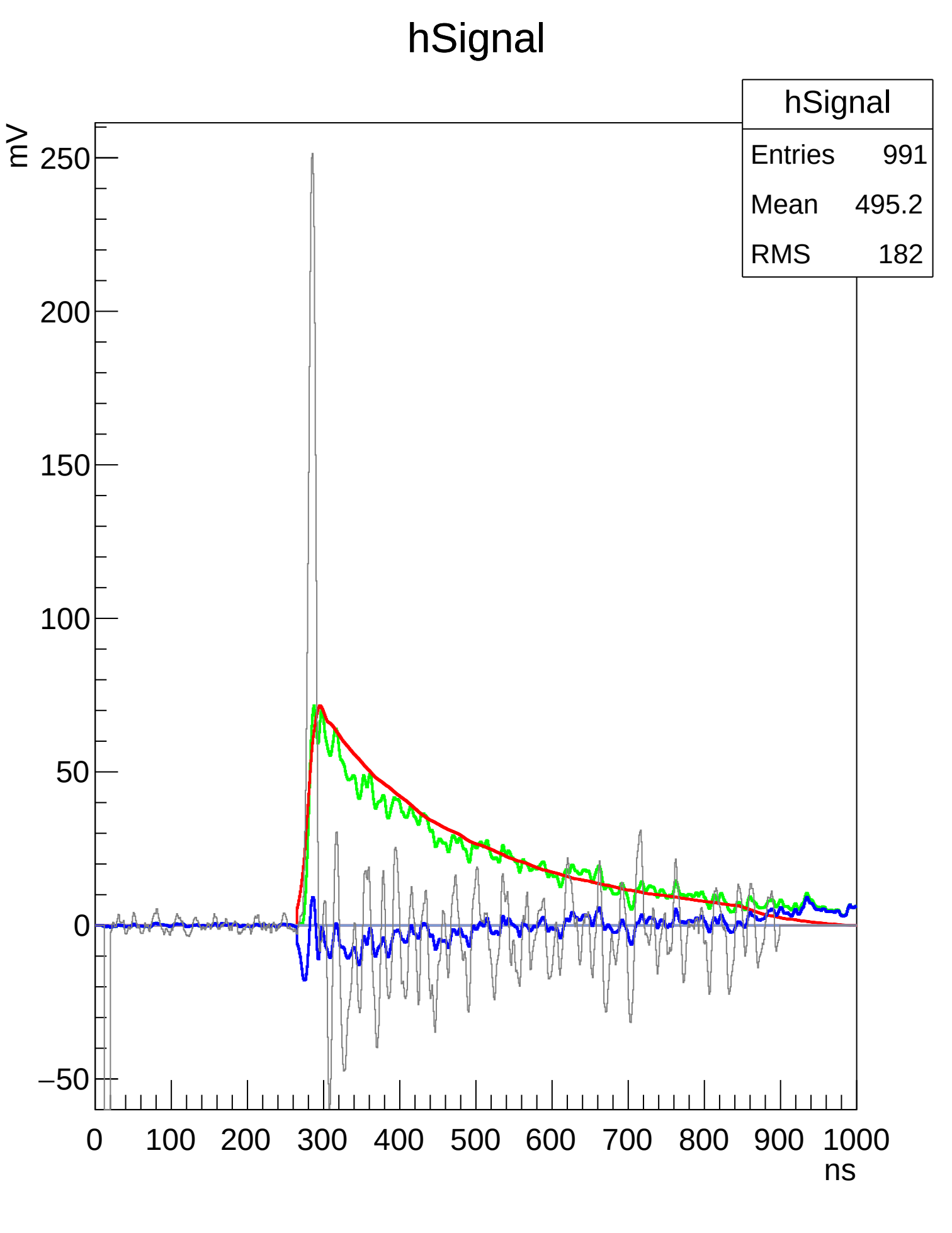

hSignal
hSignal
Entries 991
Mean 523.7
RMS 179.5
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

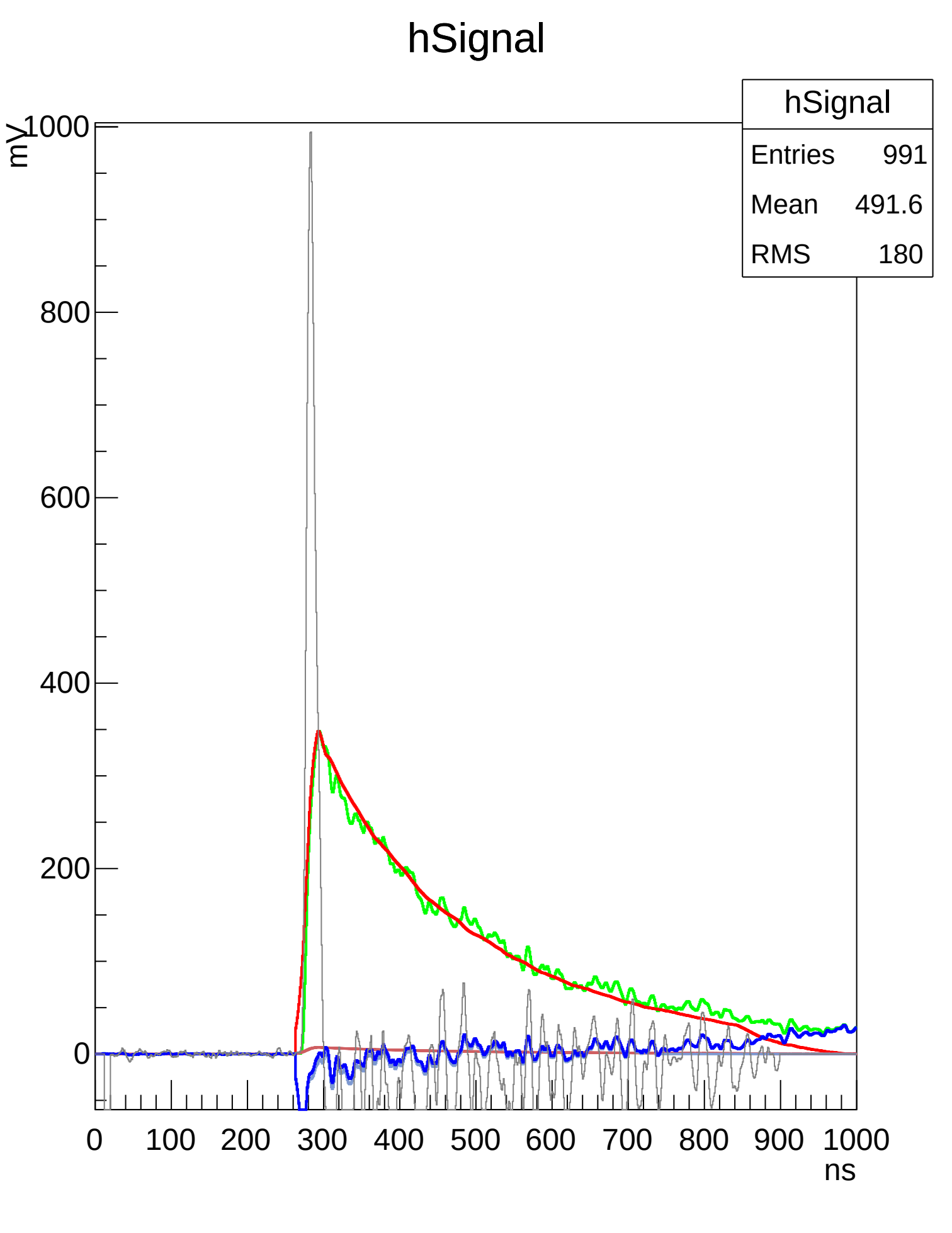

hSignal
hSignal
Entries 991
Mean 540.8
RMS 170.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

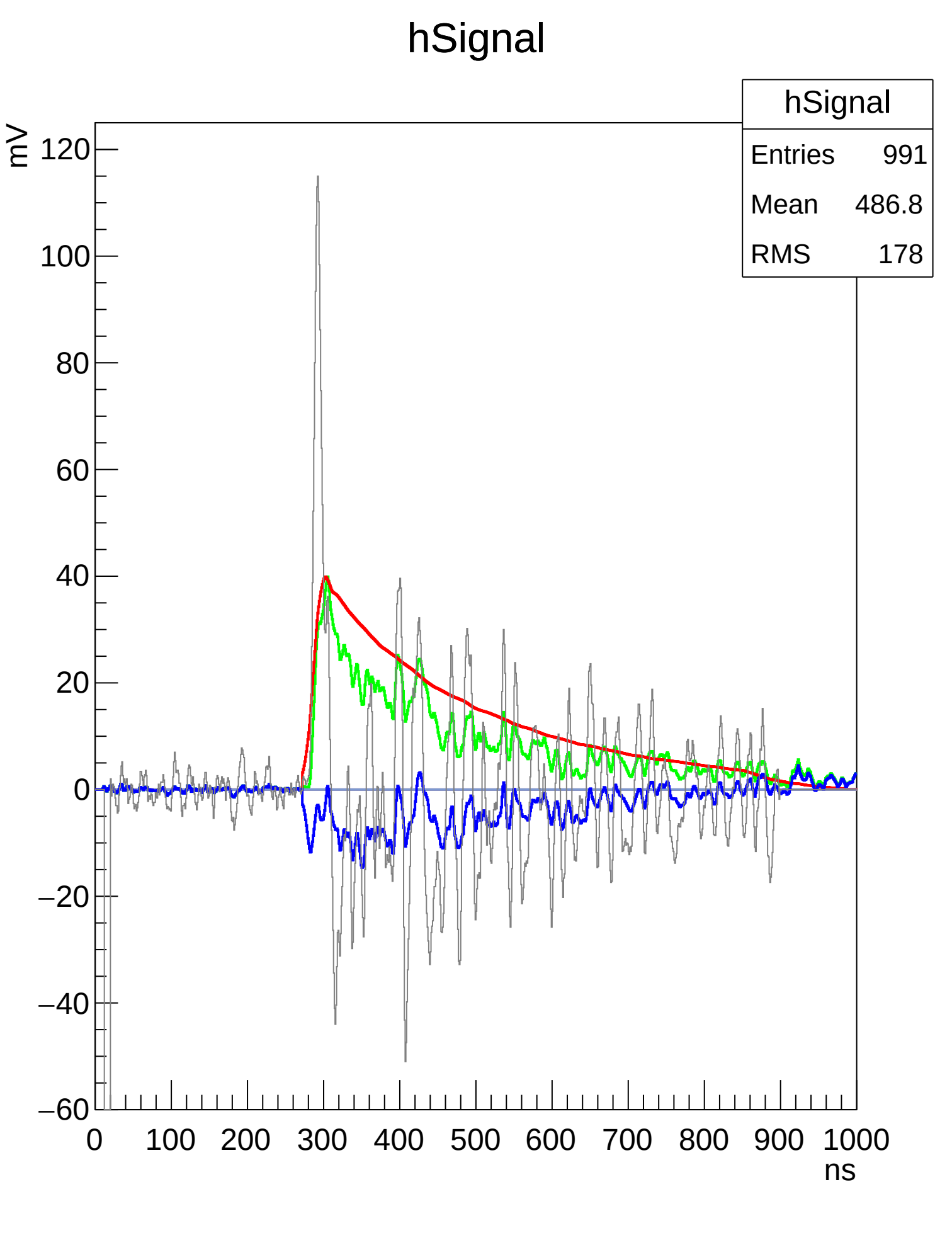

hSignal
hSignal
Entries 991
Mean 539.9
RMS 170.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

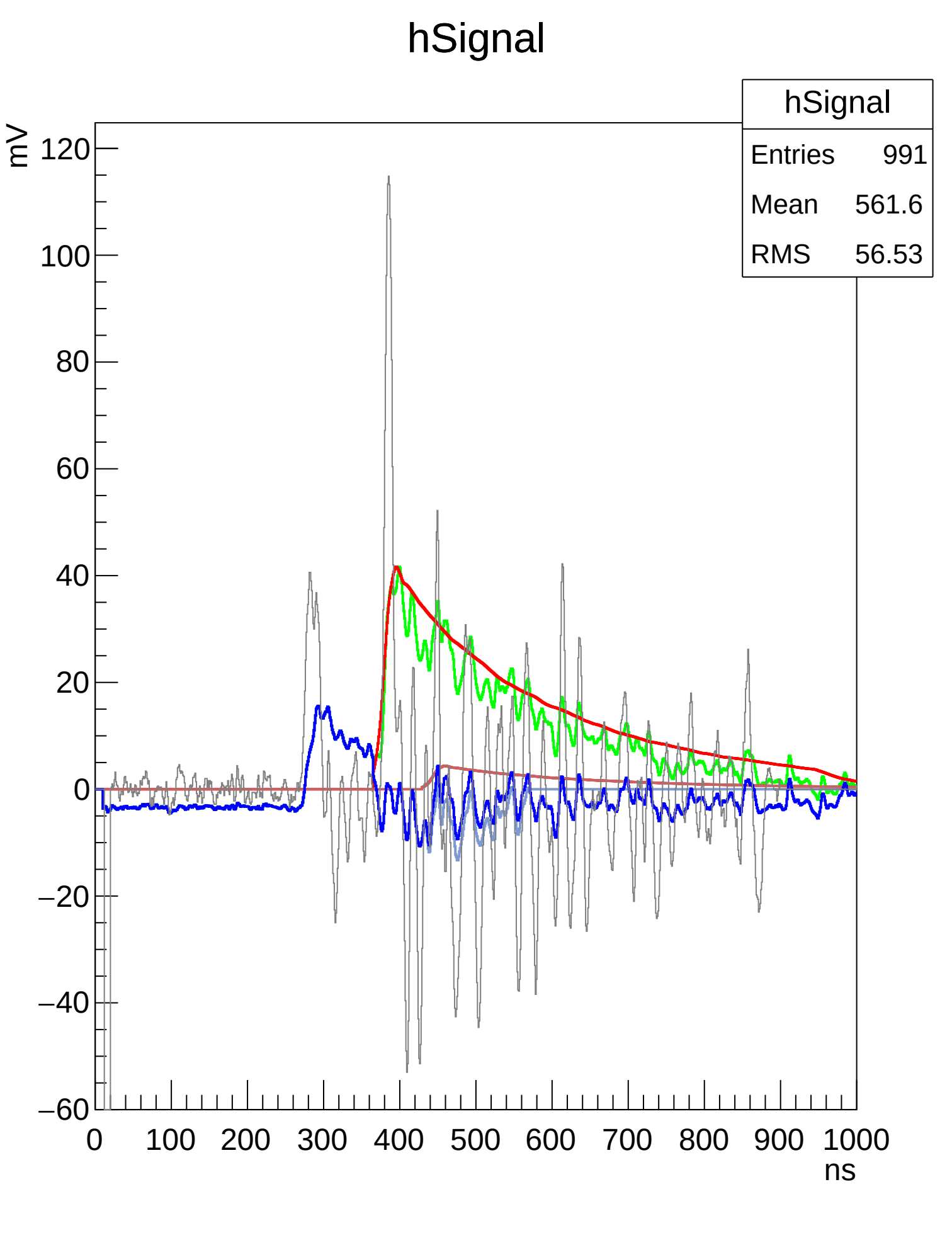

hSignal
hSignal
Entries 991
Mean 497.9
RMS 179.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

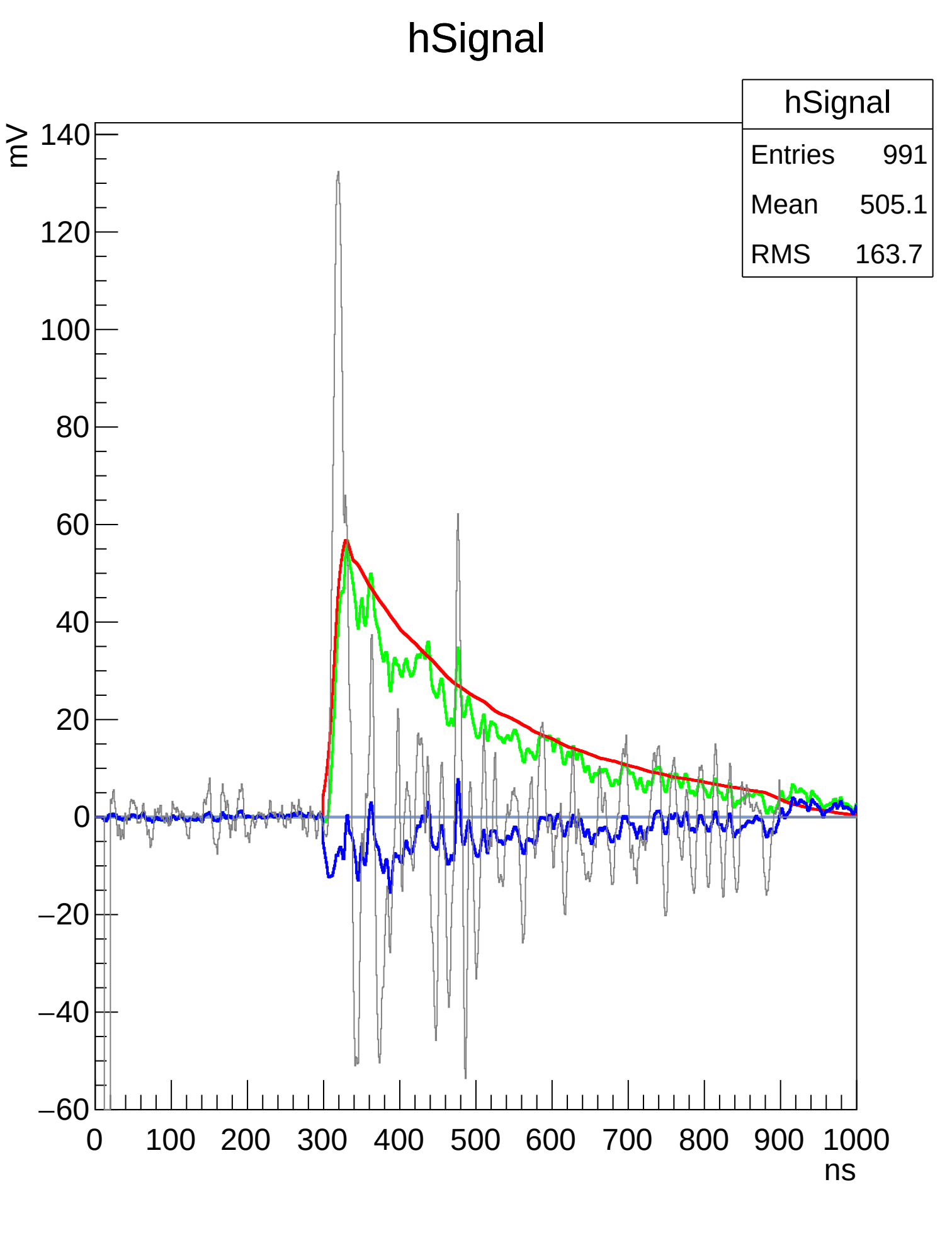

hSignal
hSignal
Entries 991
Mean 494.5
RMS 182.8
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

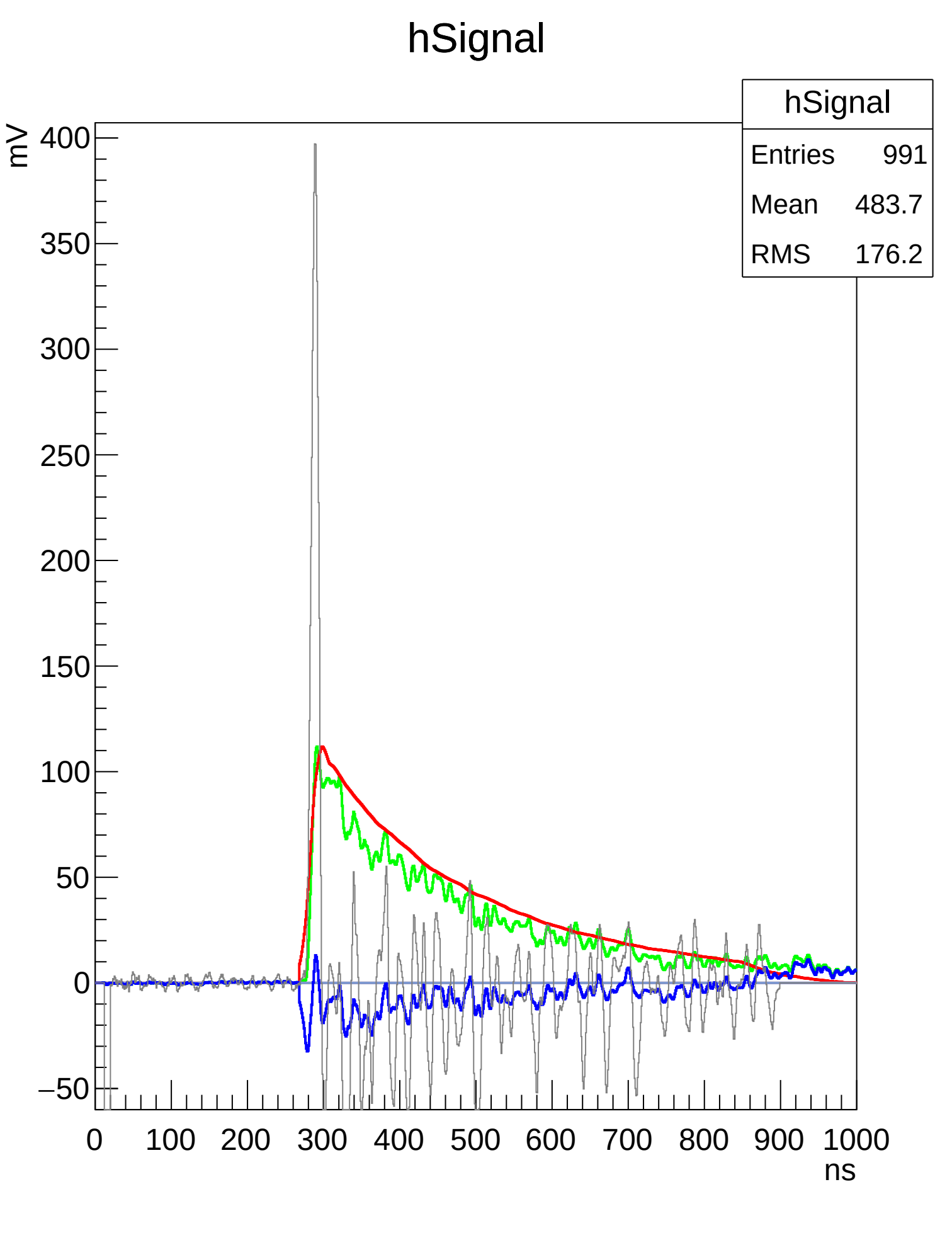

hSignal
hSignal
Entries 991
Mean 495.2
RMS 182
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

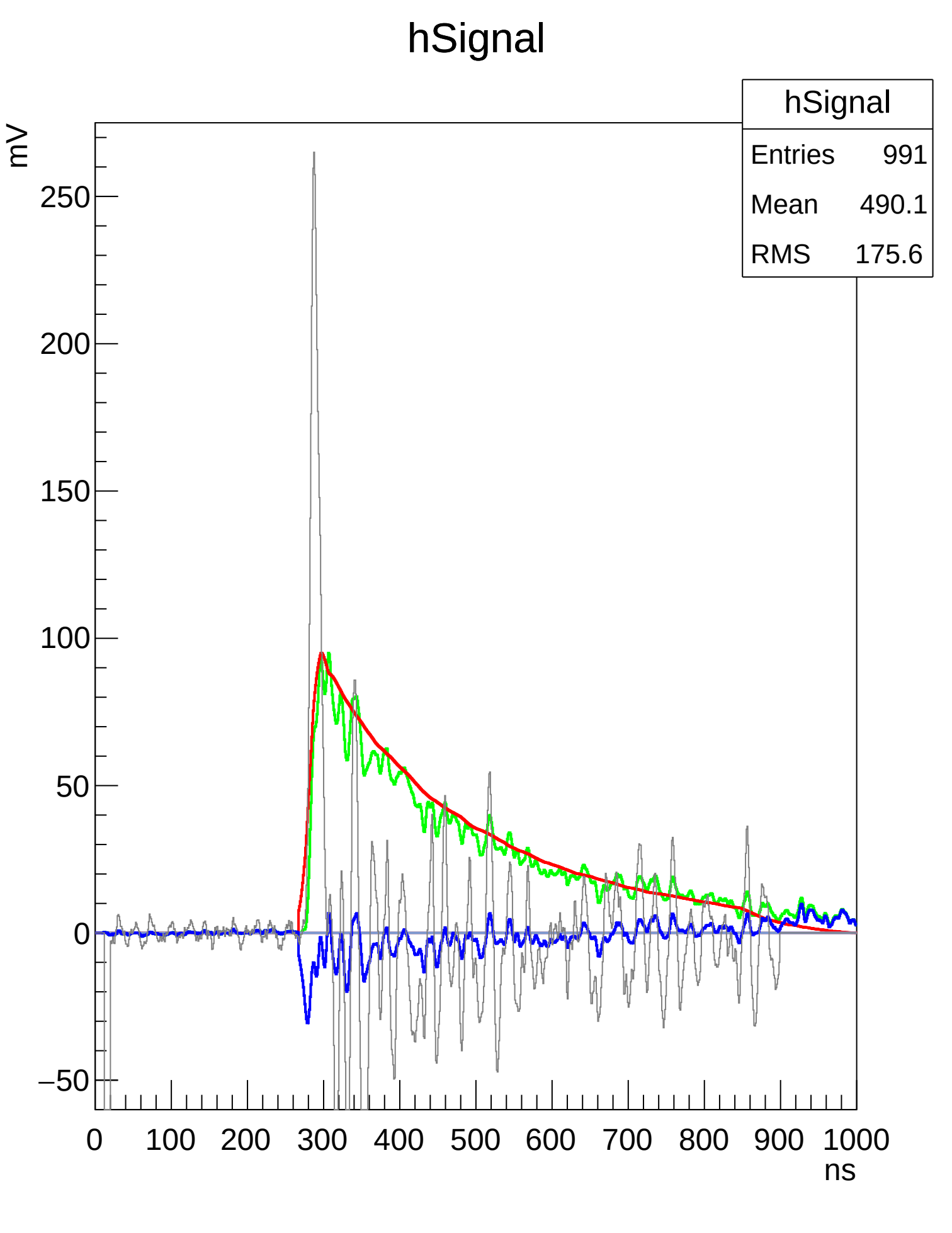

hSignal
hSignal
Entries 991
Mean 491.6
RMS 180
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

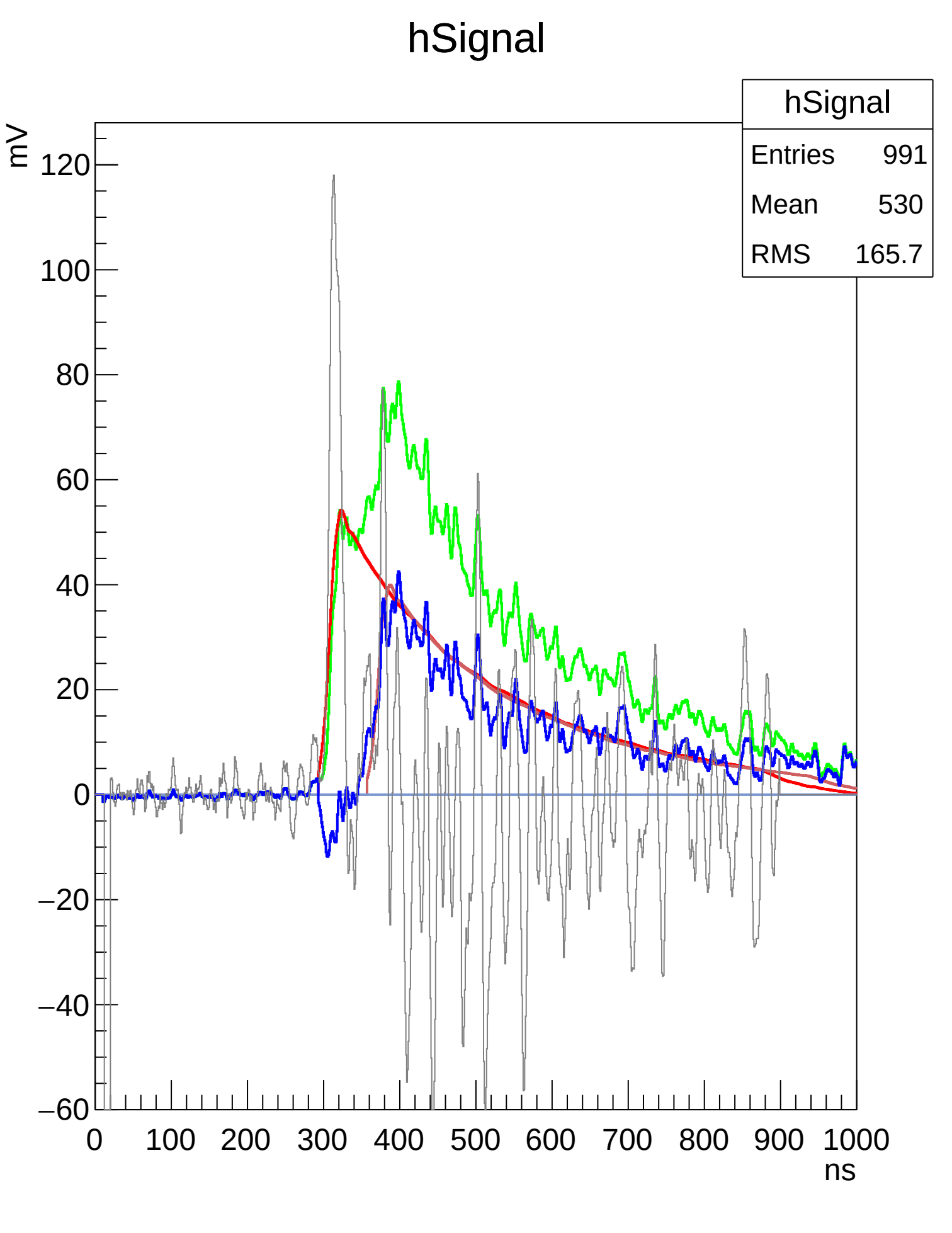

hSignal
hSignal
Entries 991
Mean 486.8
RMS 178
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

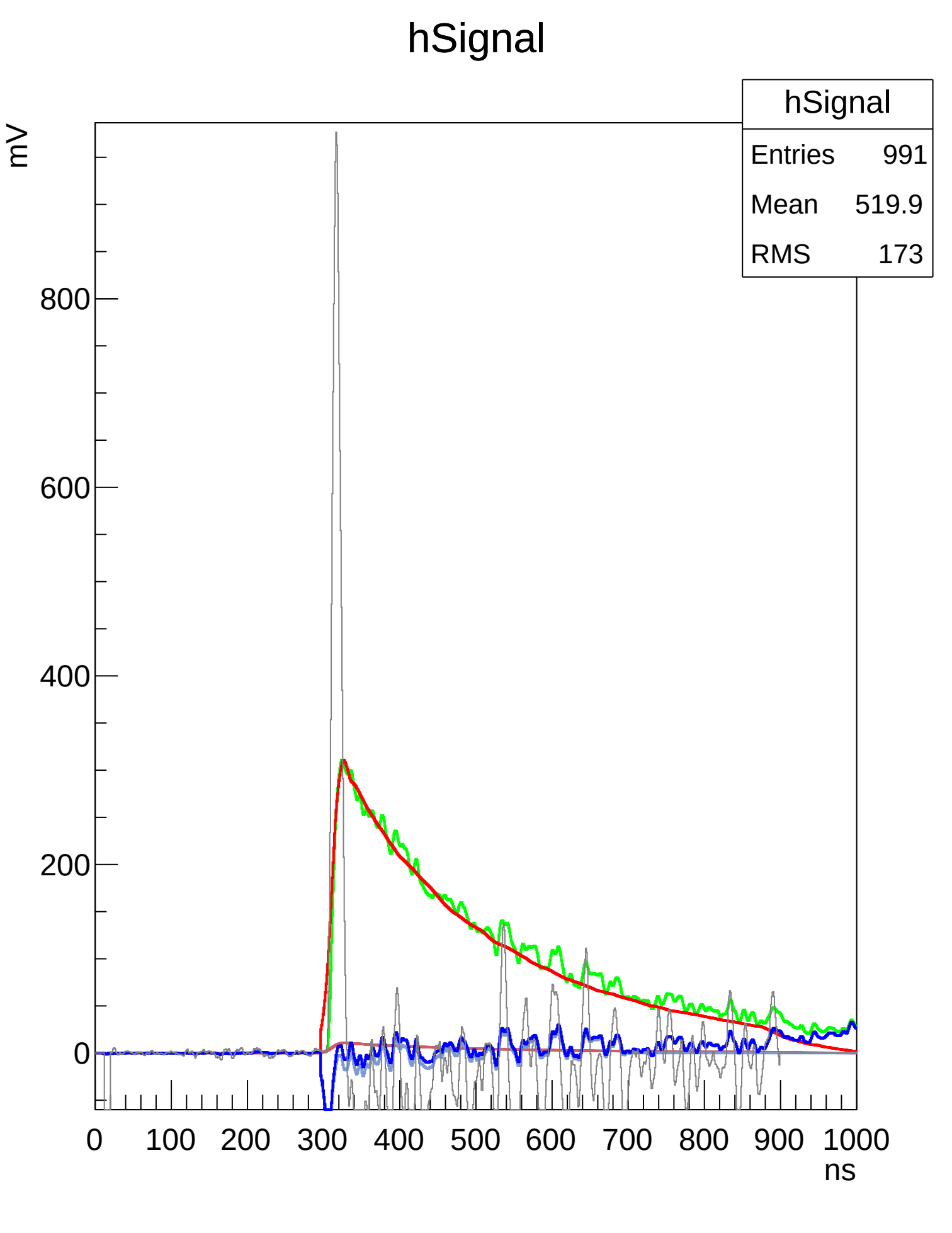

hSignal
hSignal
Entries 991
Mean 561.6
RMS 56.53
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

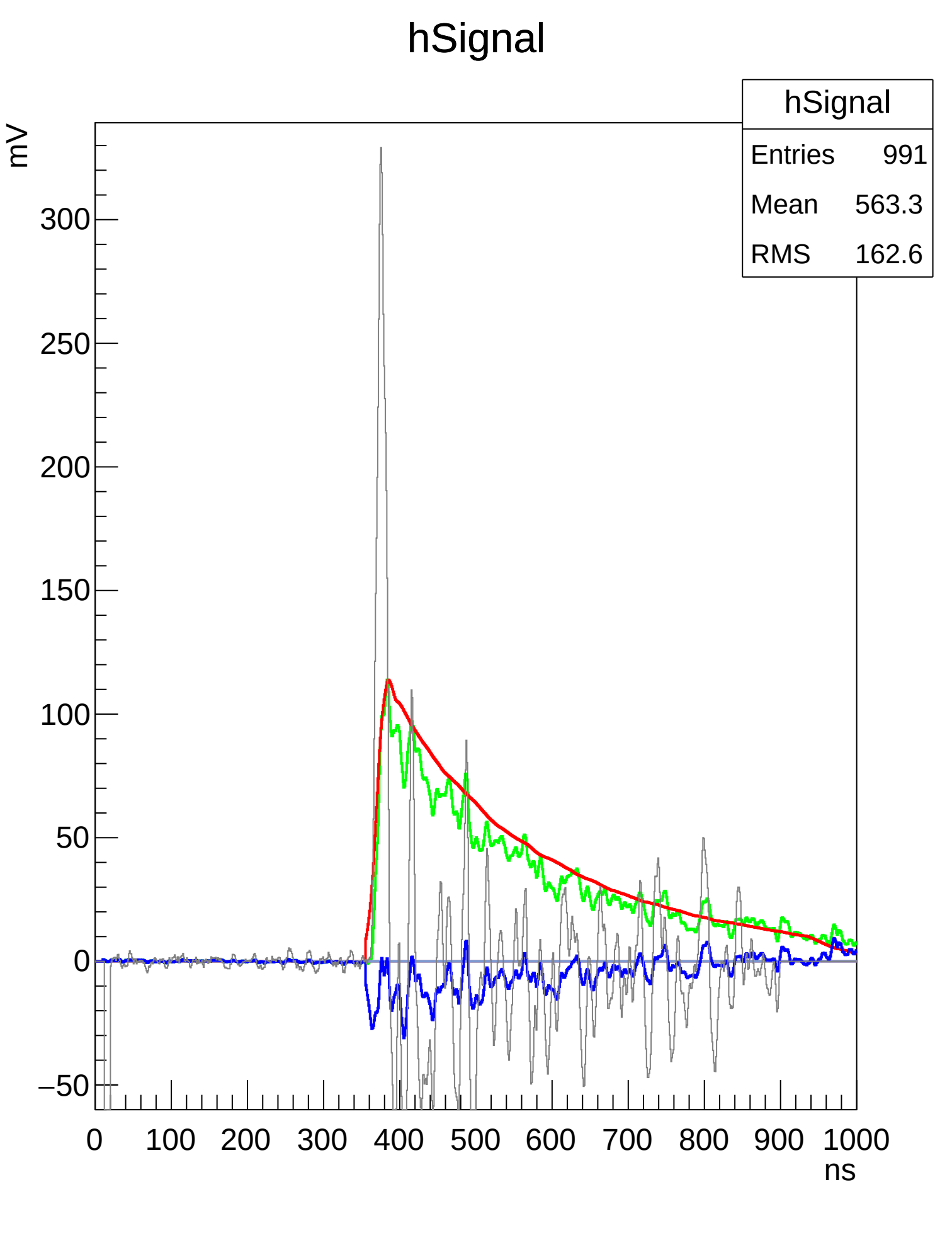

hSignal
hSignal
Entries 991
Mean 505.1
RMS 163.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

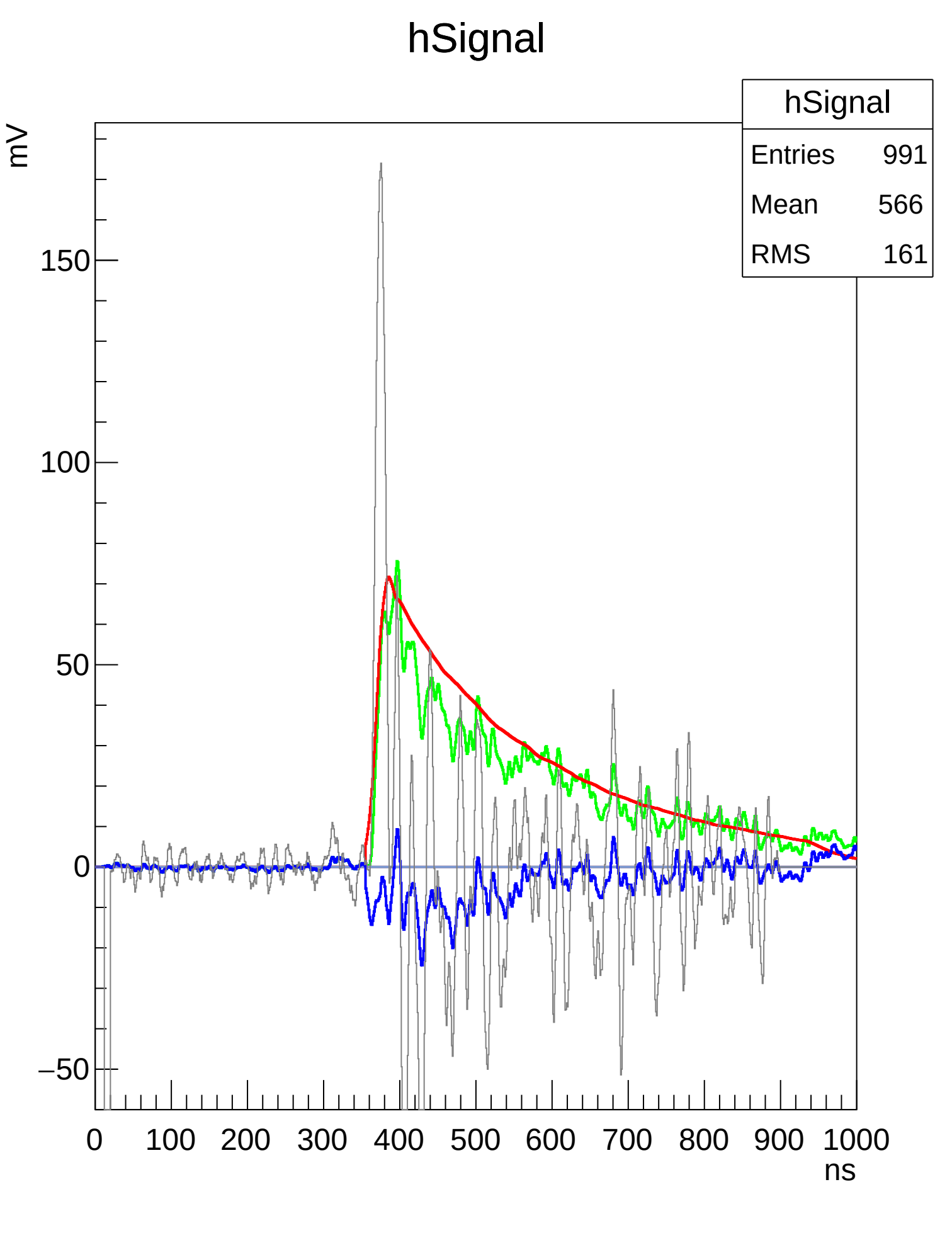

hSignal
hSignal
Entries 991
Mean 483.7
RMS 176.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

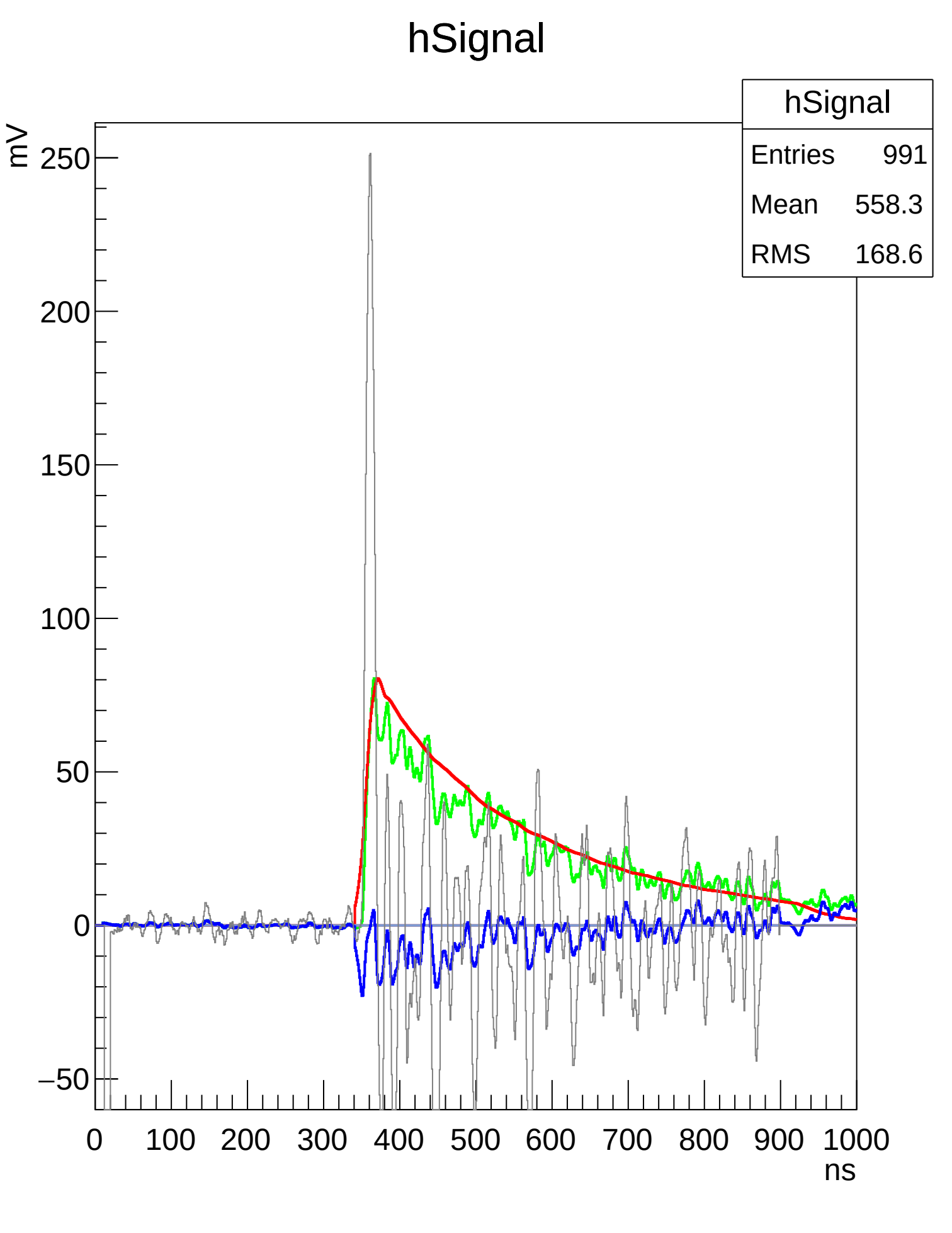

hSignal
hSignal
Entries 991
Mean 490.1
RMS 175.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

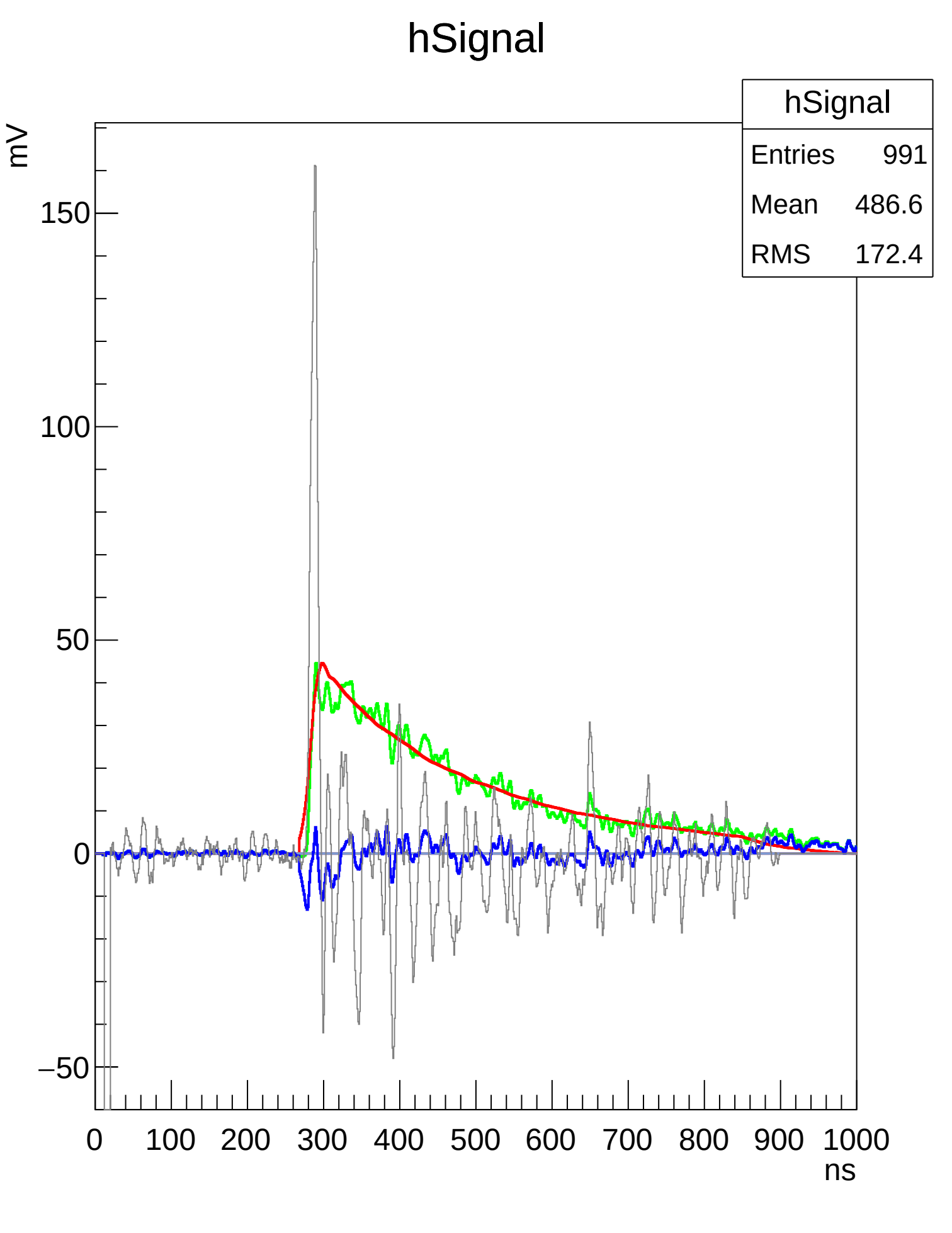

hSignal
hSignal
Entries 991
Mean 530
RMS 165.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

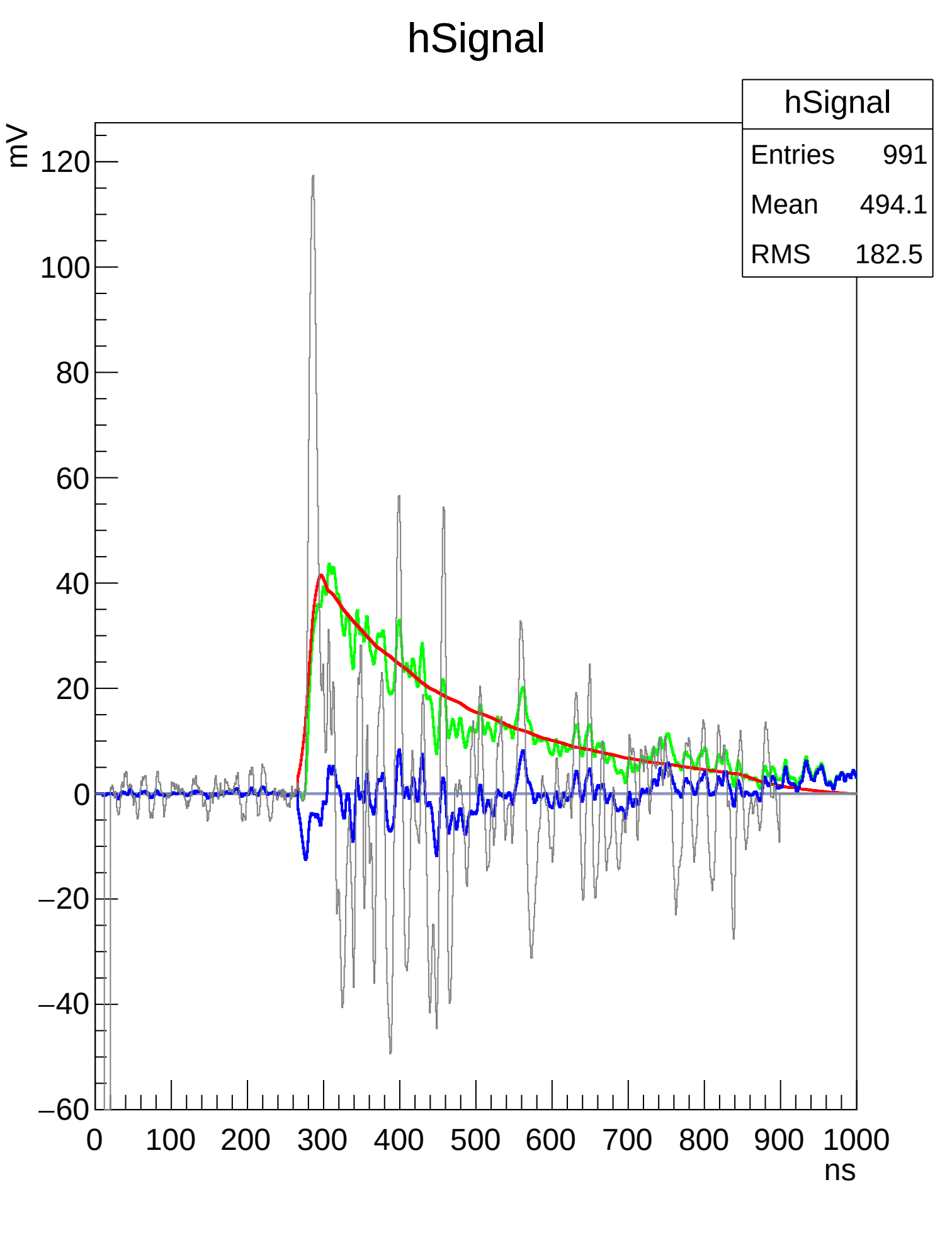

hSignal
hSignal
Entries 991
Mean 519.9
RMS 173
mV
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

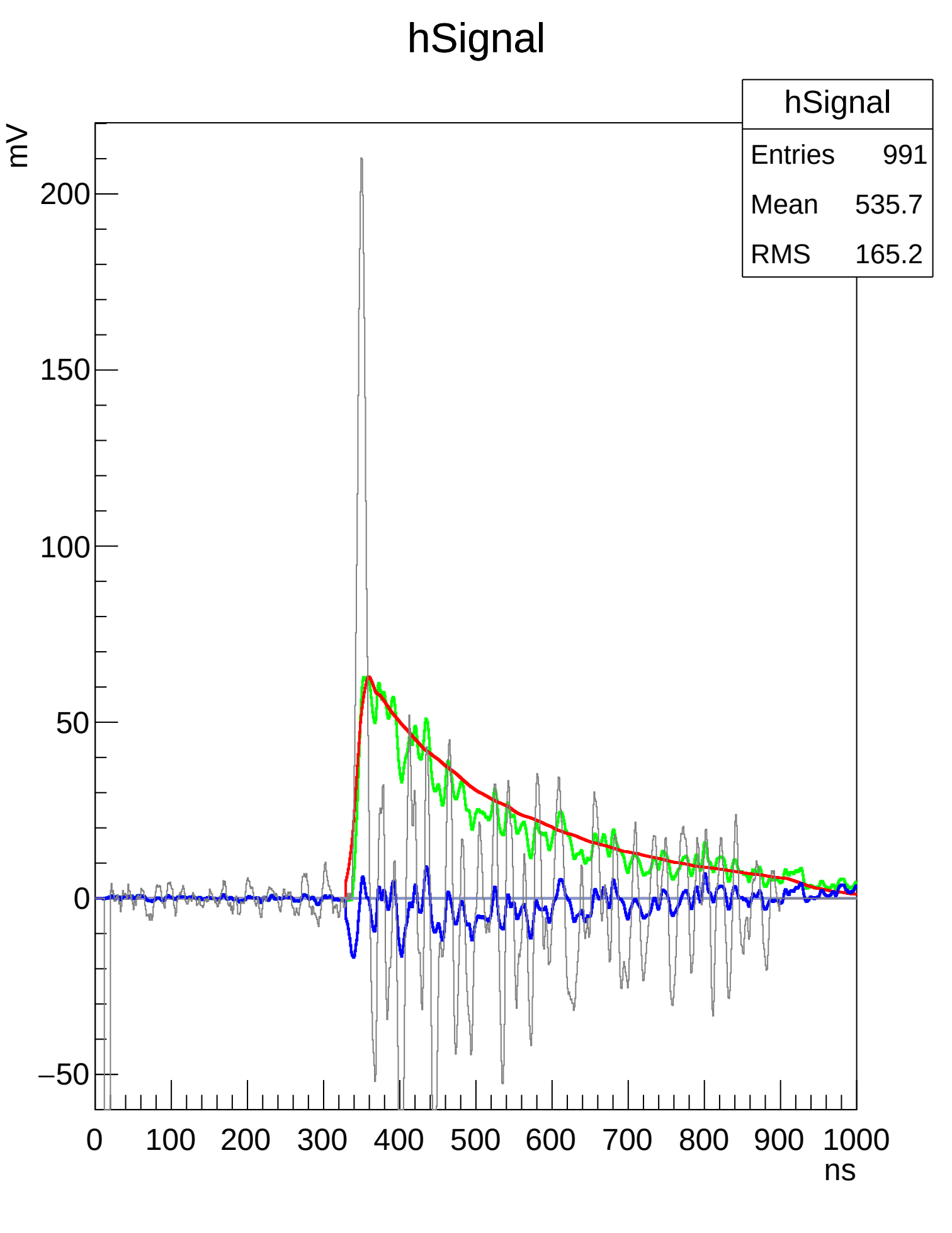

hSignal
hSignal
Entries 991
Mean 563.3
RMS 162.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

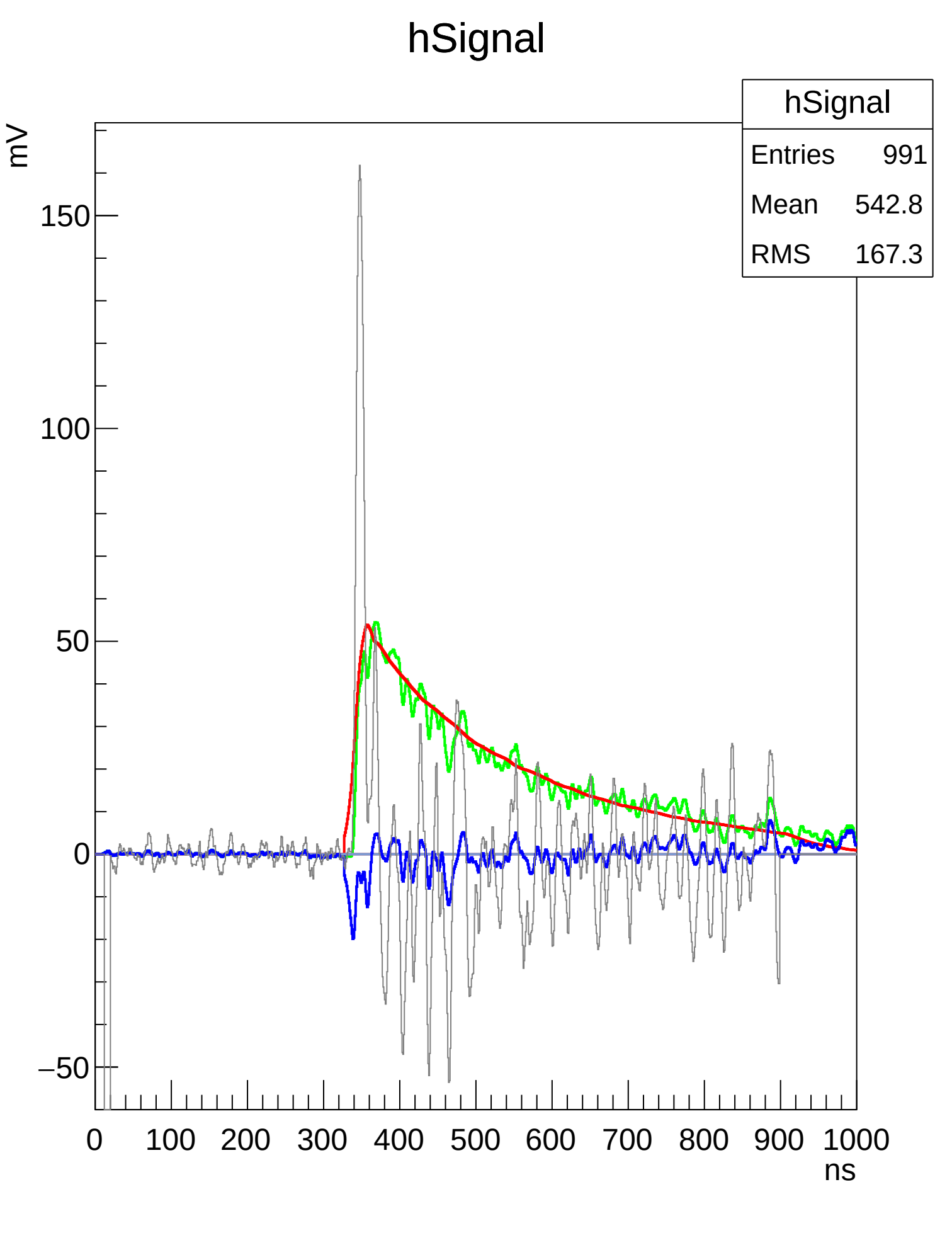

hSignal
hSignal
Entries 991
Mean 566
RMS 161
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

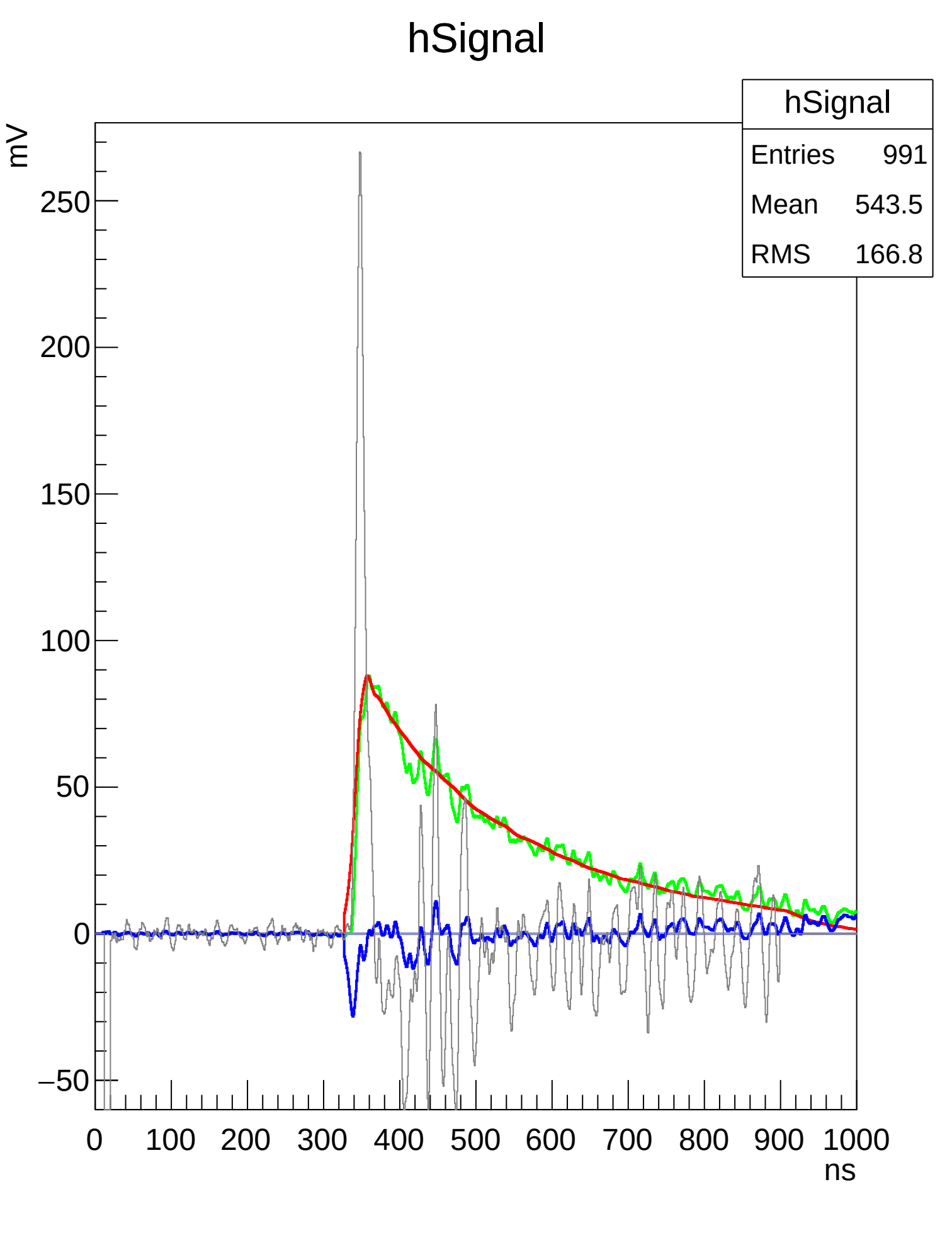

hSignal
hSignal
Entries 991
Mean 558.3
RMS 168.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

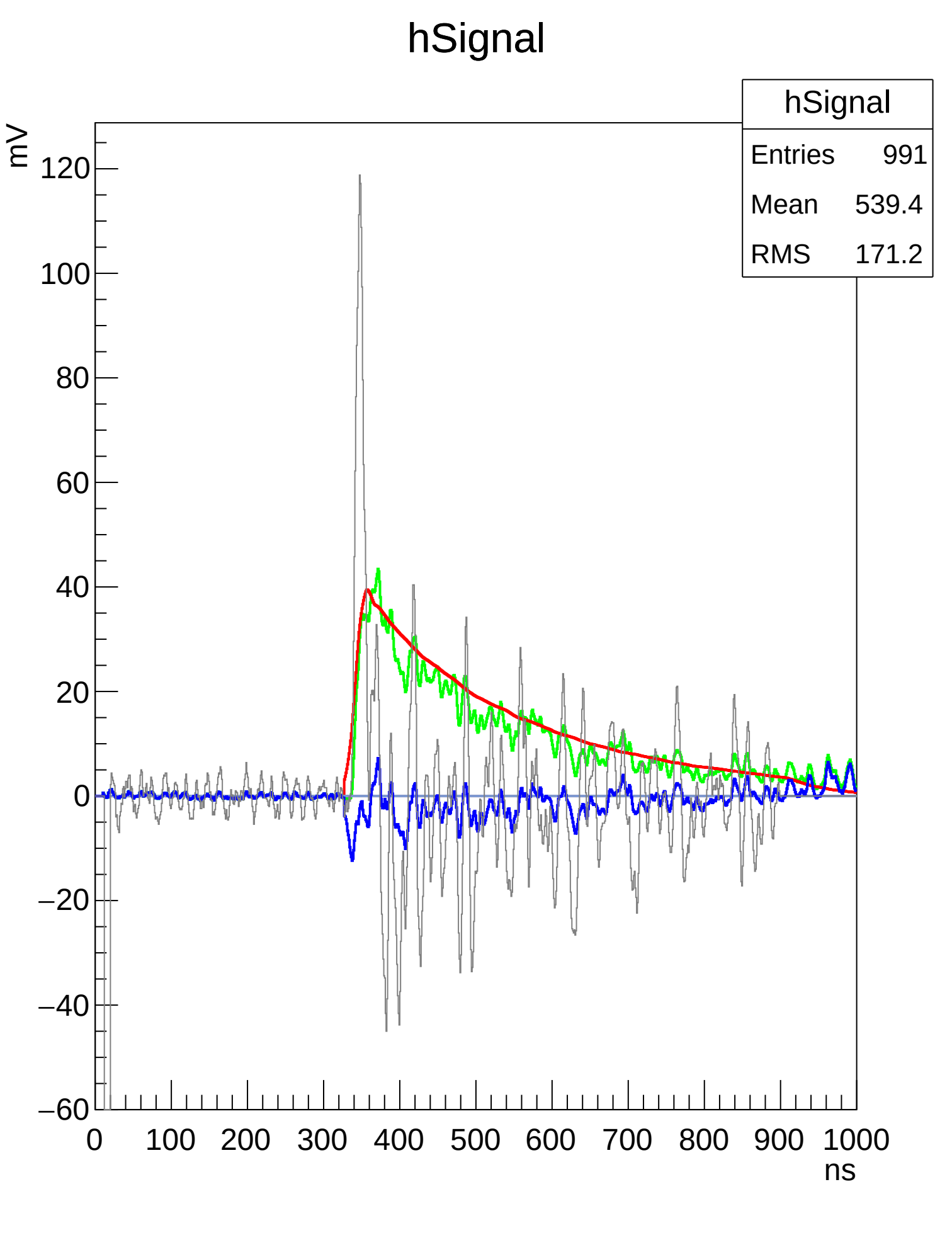

hSignal
hSignal
Entries 991
Mean 486.6
RMS 172.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

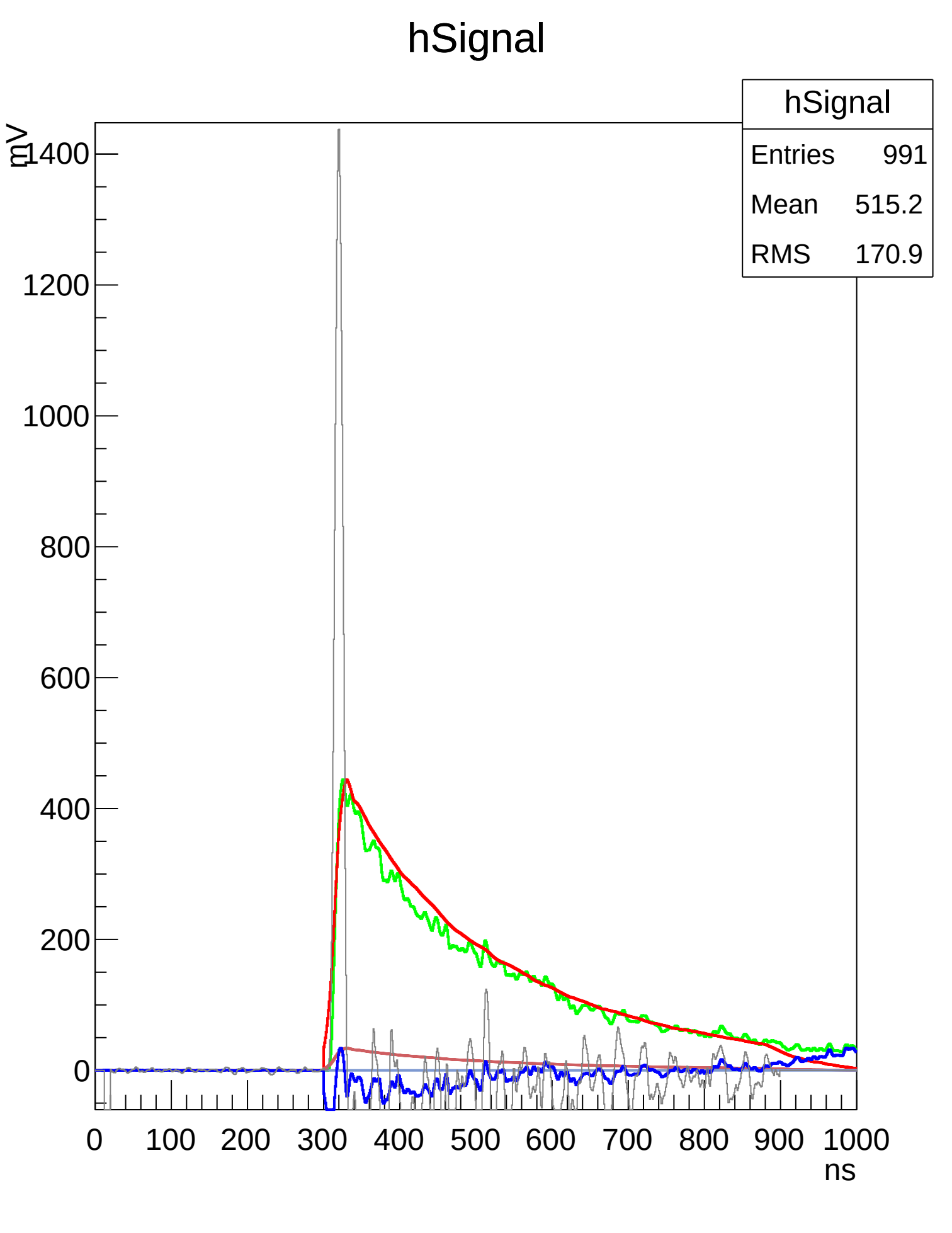

hSignal
hSignal
Entries 991
Mean 494.1
RMS 182.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

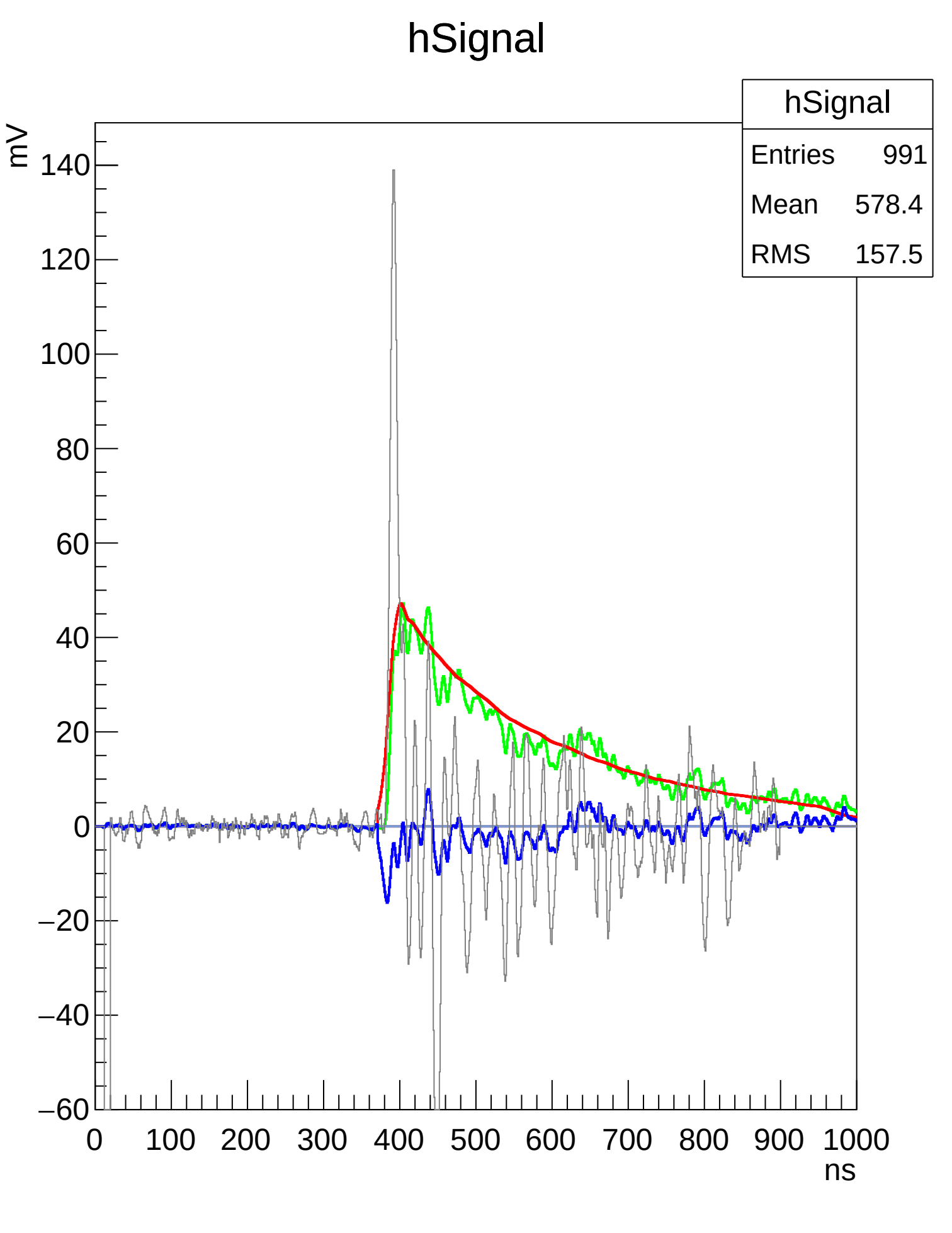

hSignal
hSignal
Entries 991
Mean 535.7
RMS 165.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

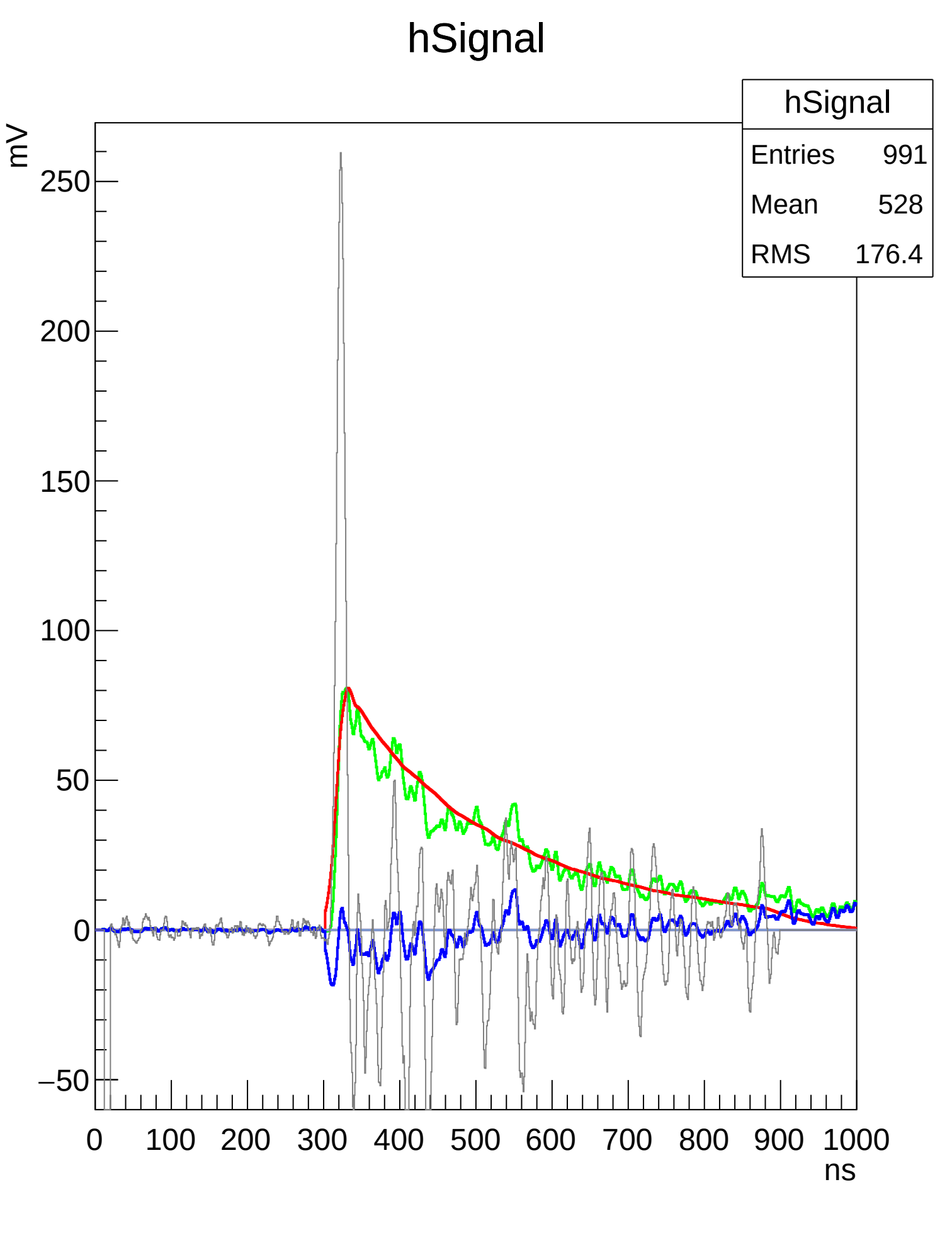

hSignal
hSignal
Entries 991
Mean 542.8
RMS 167.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

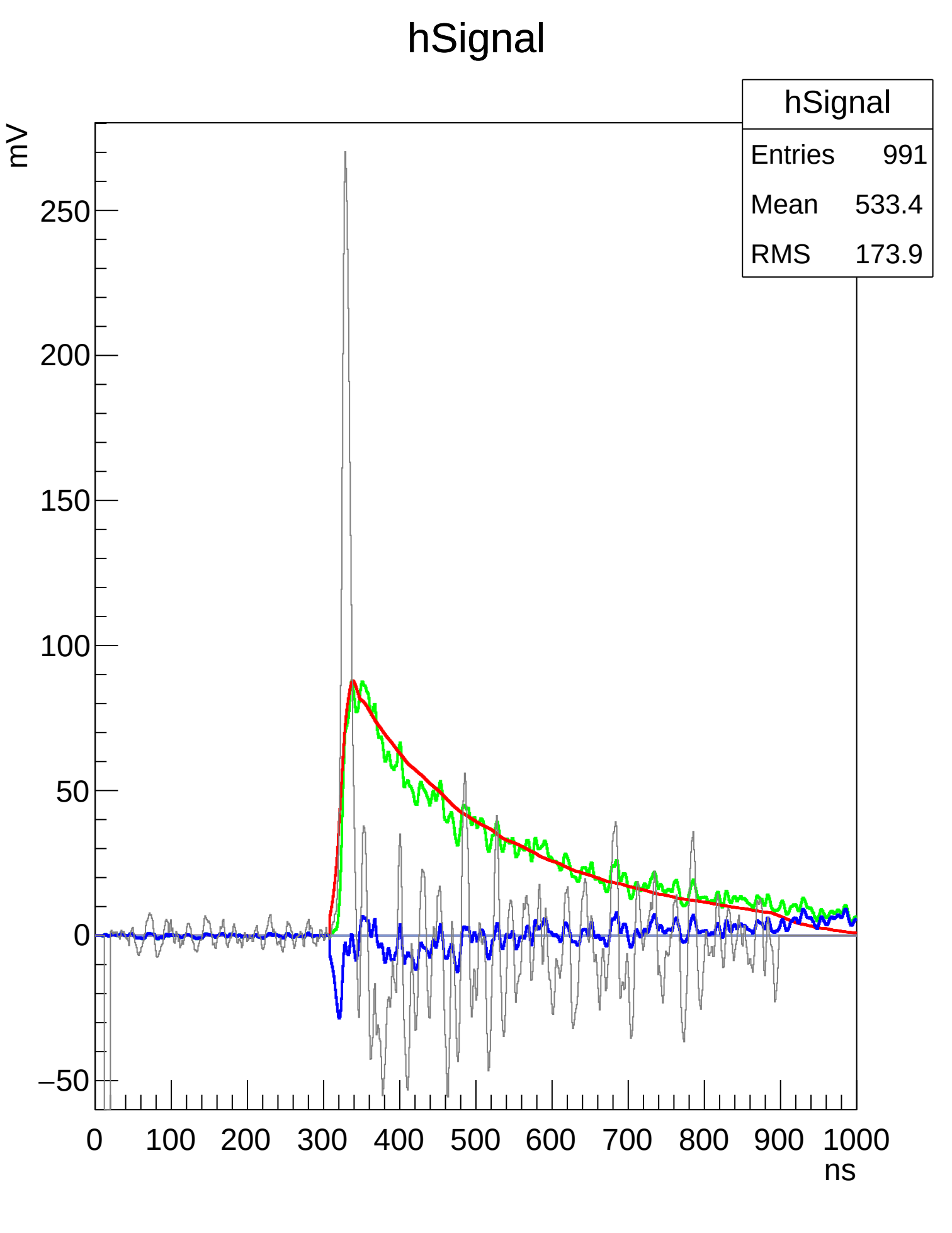

hSignal
hSignal
Entries 991
Mean 543.5
RMS 166.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

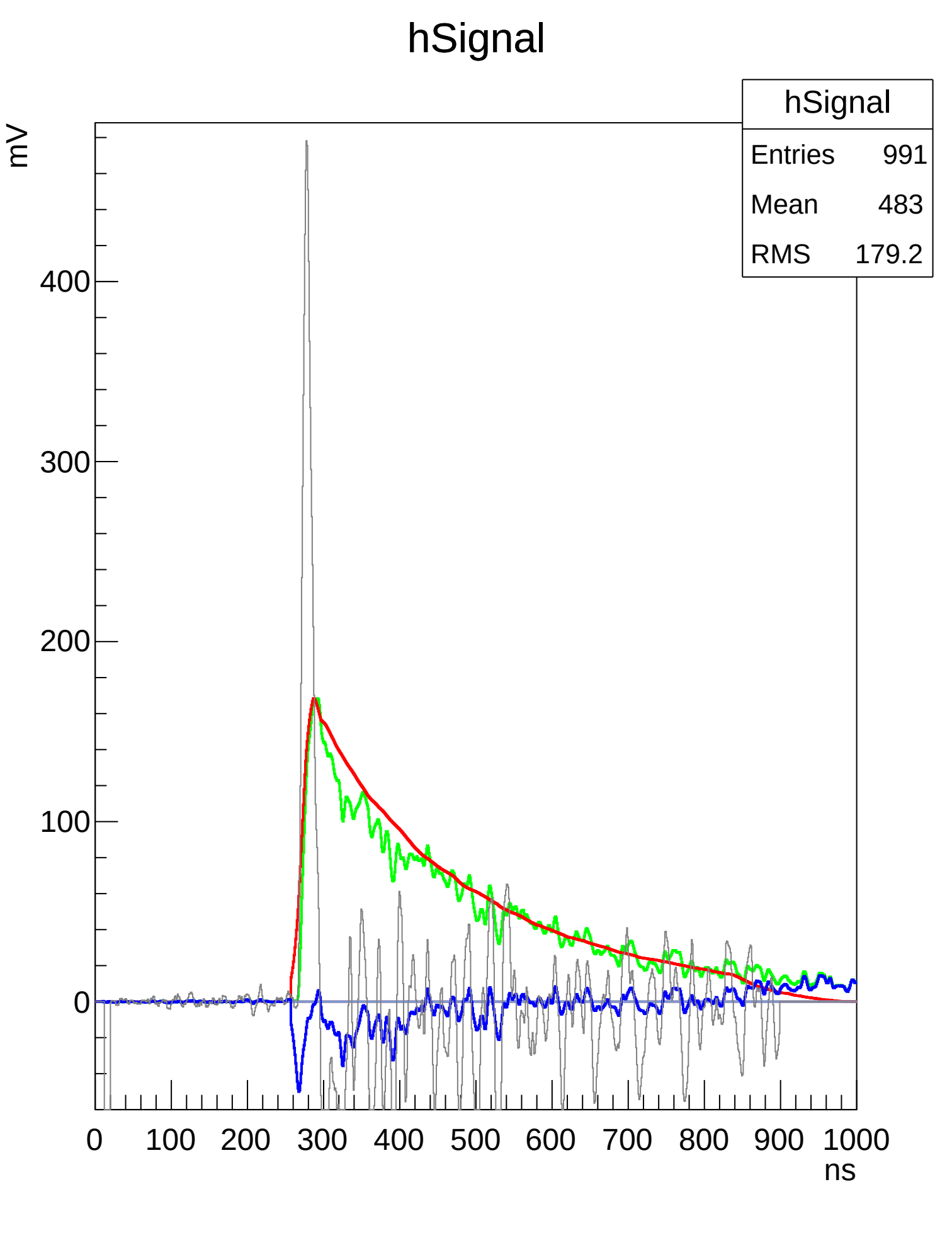

hSignal
hSignal
Entries 991
Mean 539.4
RMS 171.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

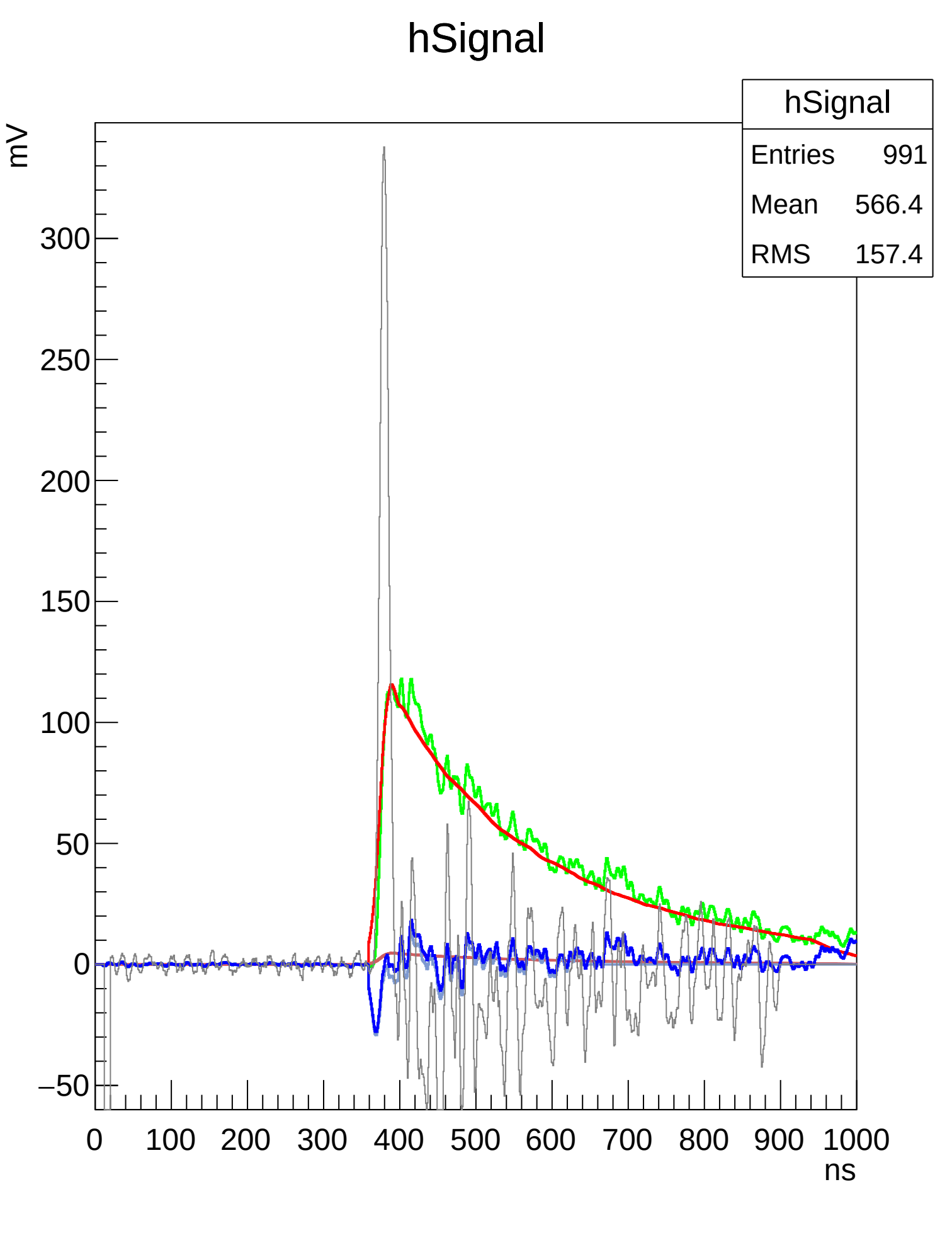

hSignal
hSignal
Entries 991
Mean 515.2
RMS 170.9
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

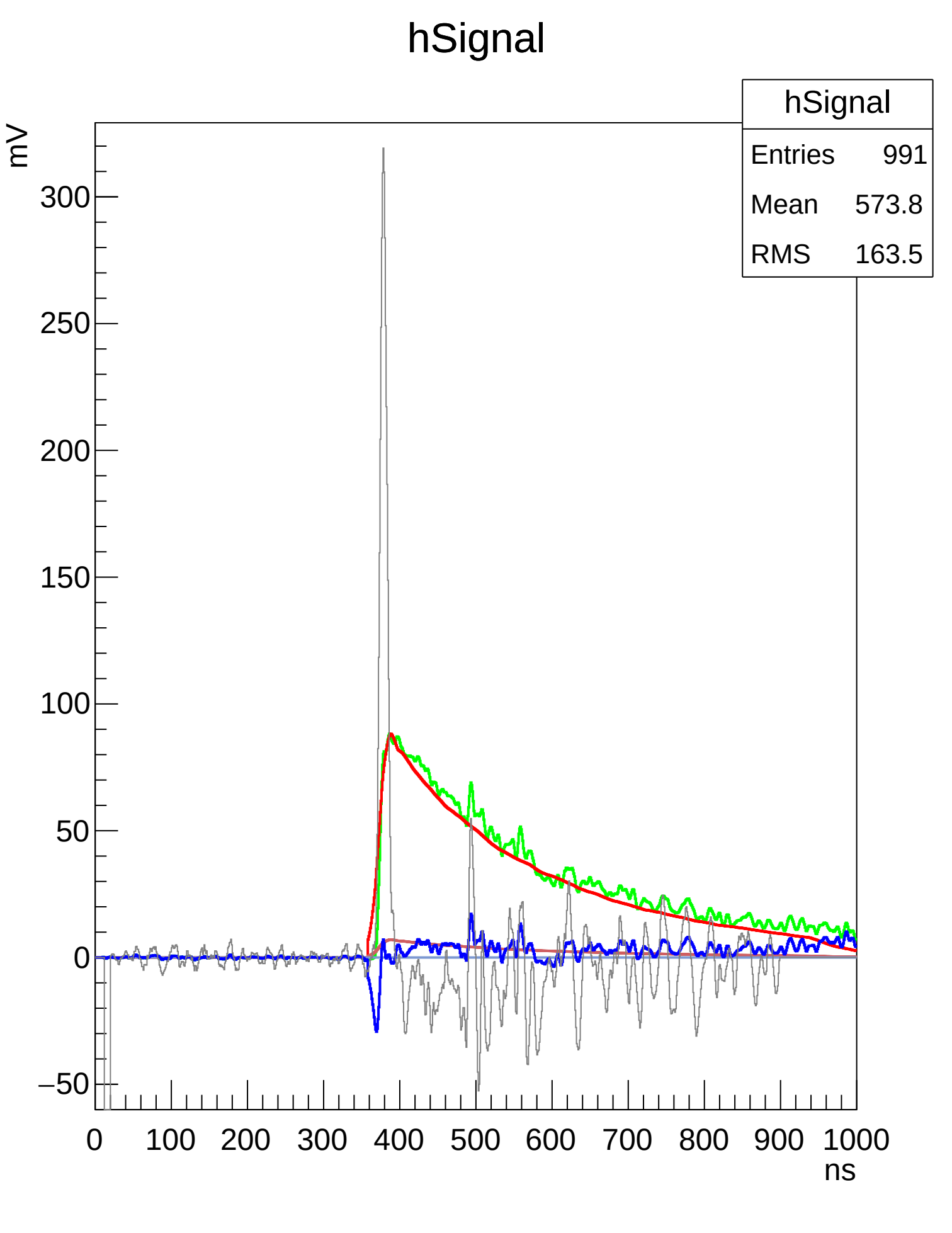

hSignal
hSignal
Entries 991
Mean 578.4
RMS 157.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

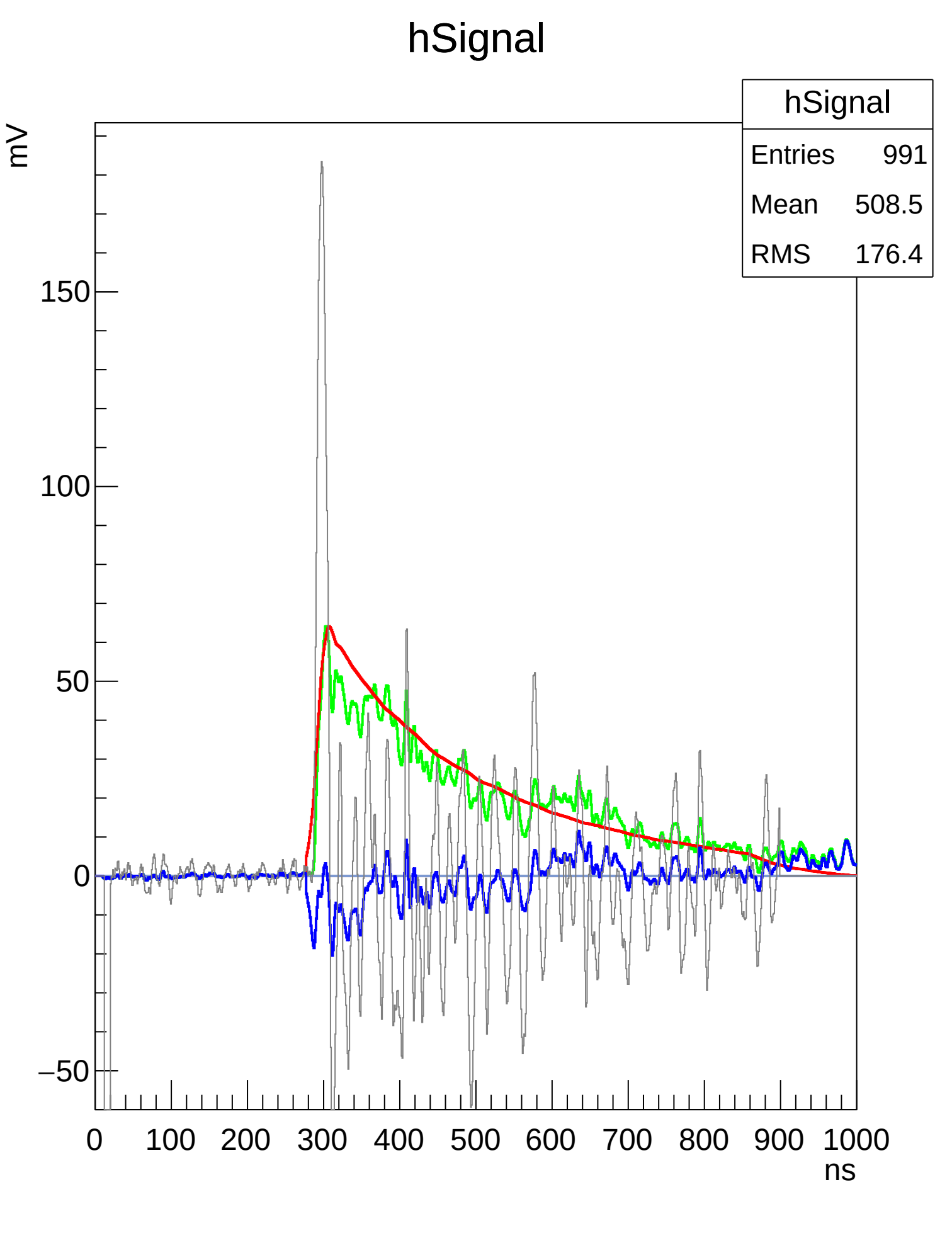

hSignal
hSignal
Entries 991
Mean 528
RMS 176.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

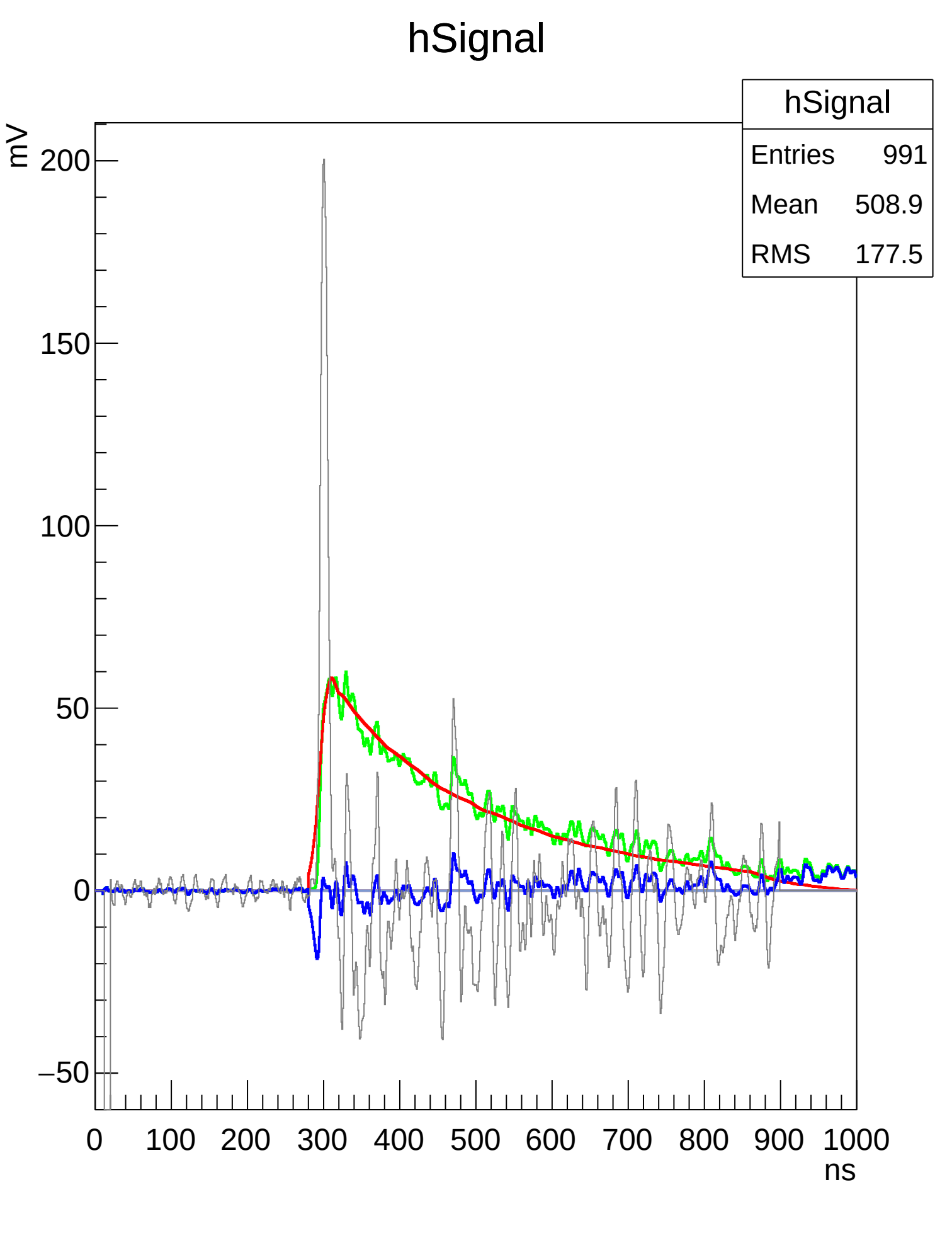

hSignal
hSignal
Entries 991
Mean 533.4
RMS 173.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

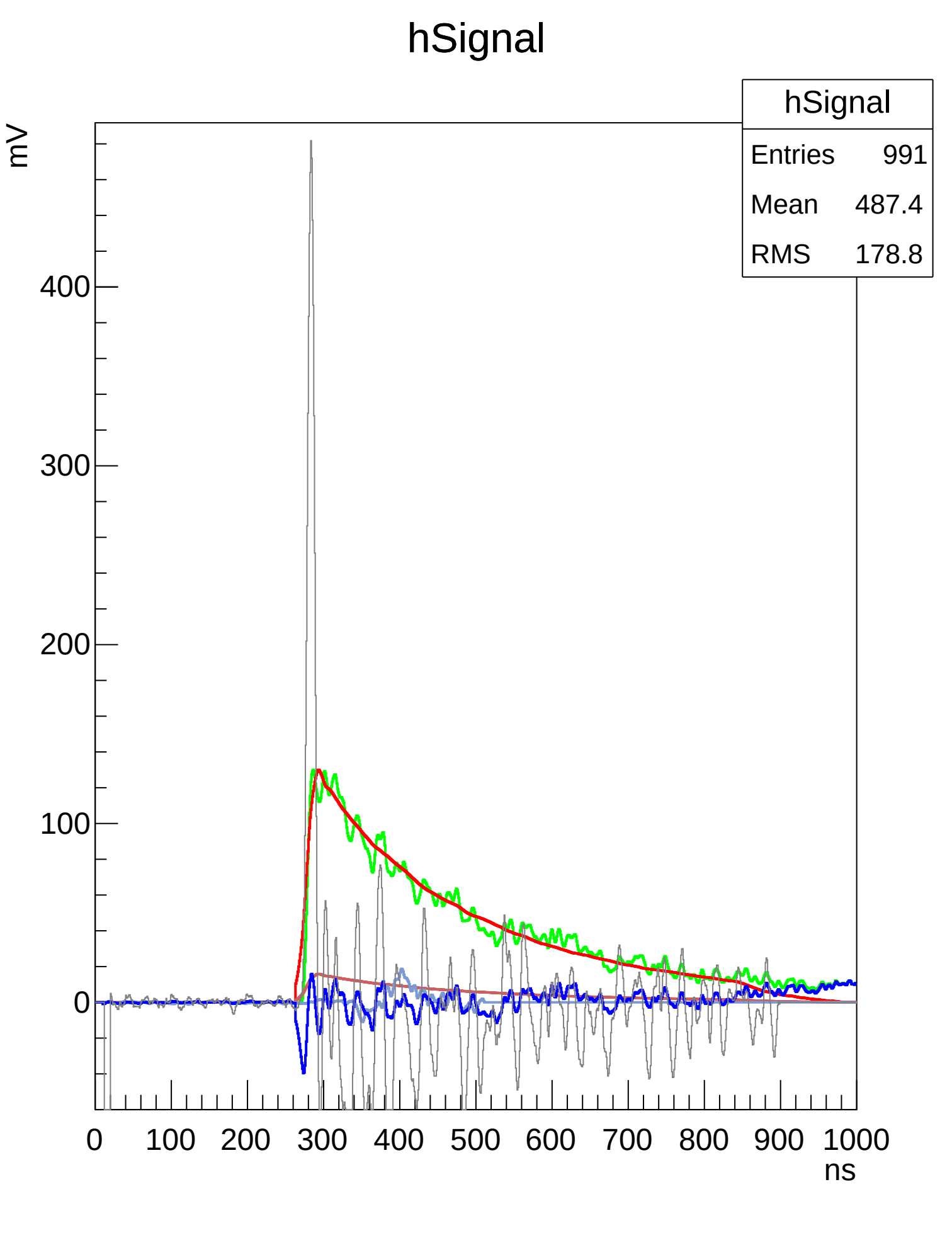

hSignal
hSignal
Entries 991
Mean 483
RMS 179.2
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

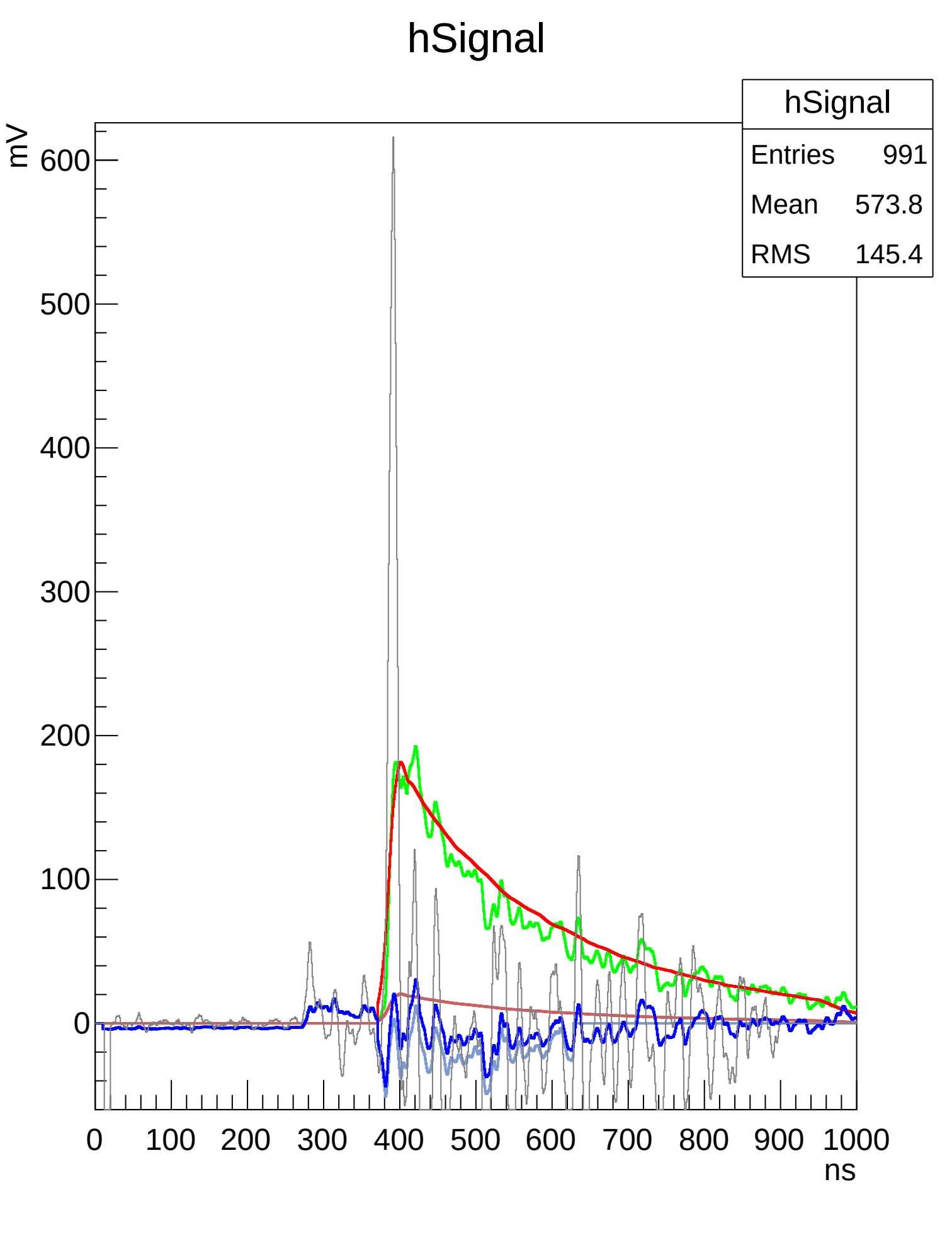

hSignal
hSignal
Entries 991
Mean 566.4
RMS 157.4
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

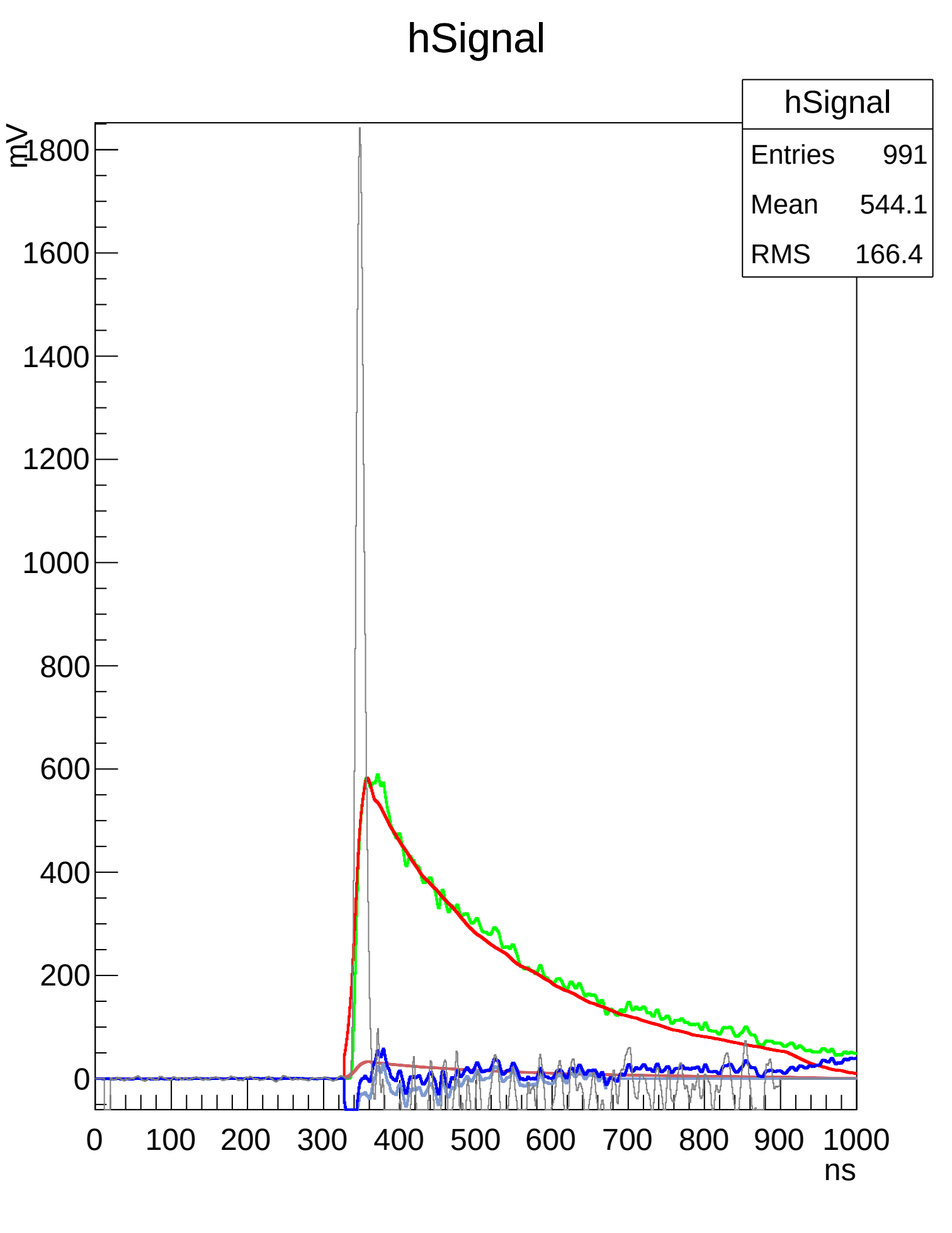

hSignal
hSignal
Entries 991
Mean 573.8
RMS 163.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

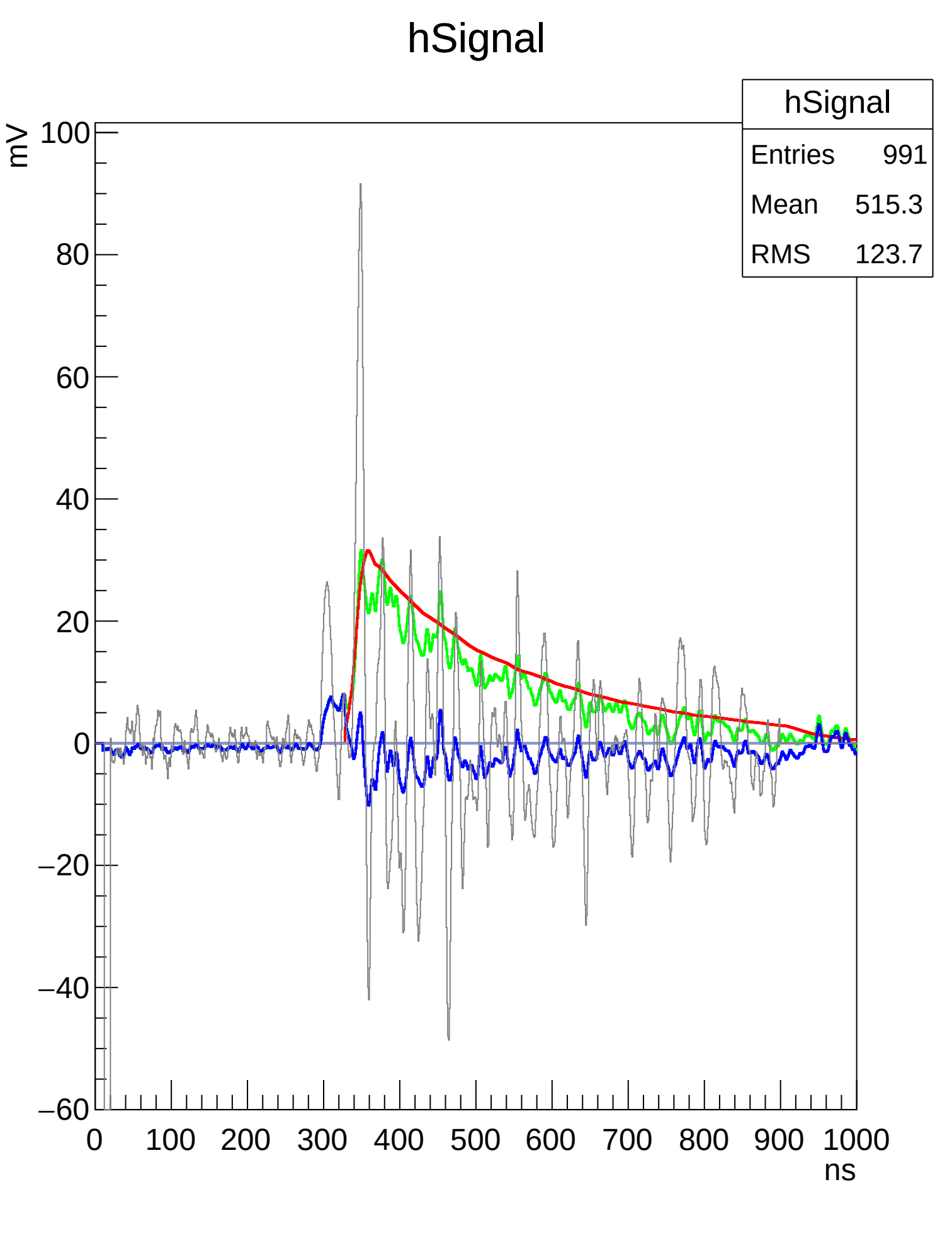

hSignal
hSignal
Entries 991
Mean 508.5
RMS 176.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

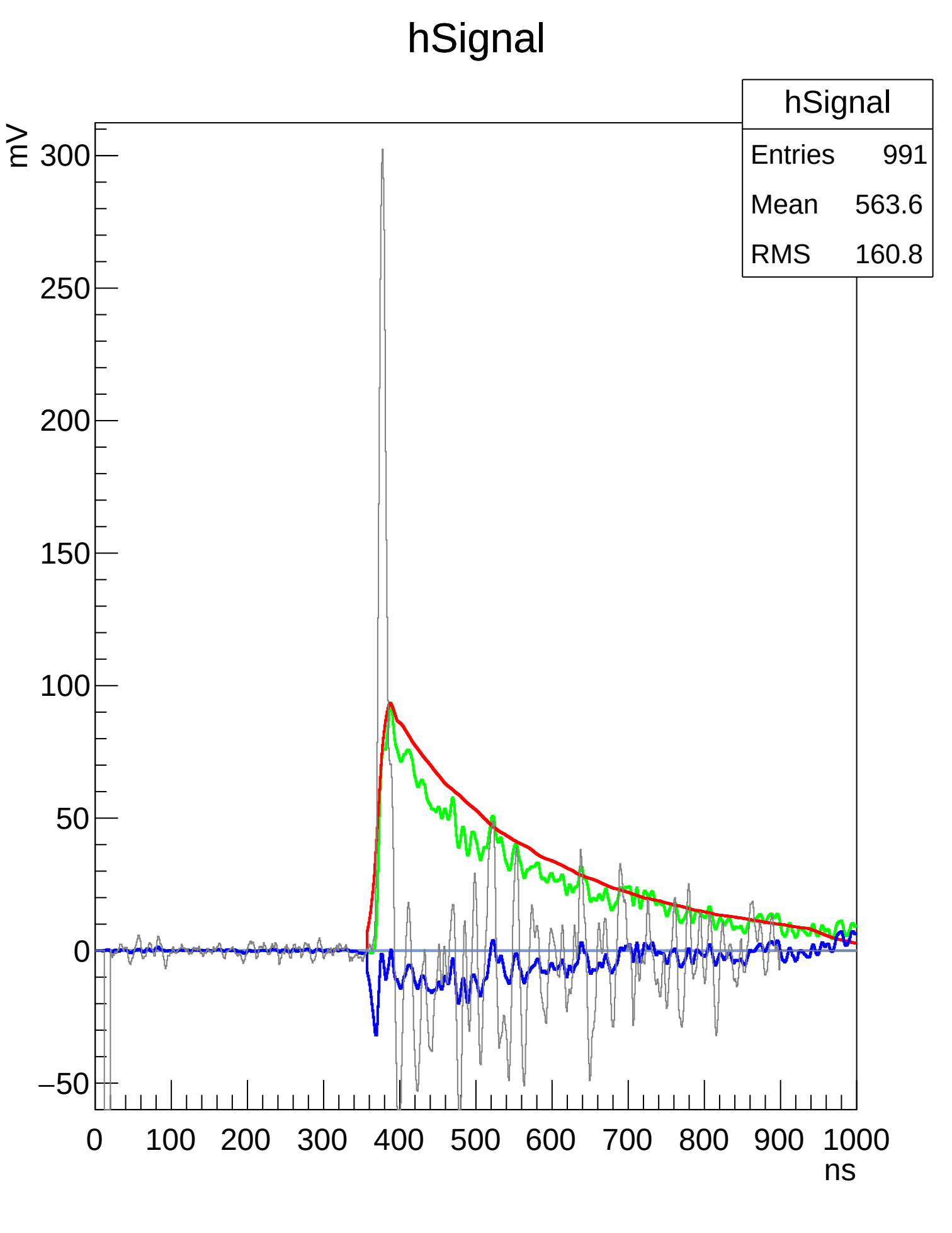

hSignal
hSignal
Entries 991
Mean 508.9
RMS 177.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

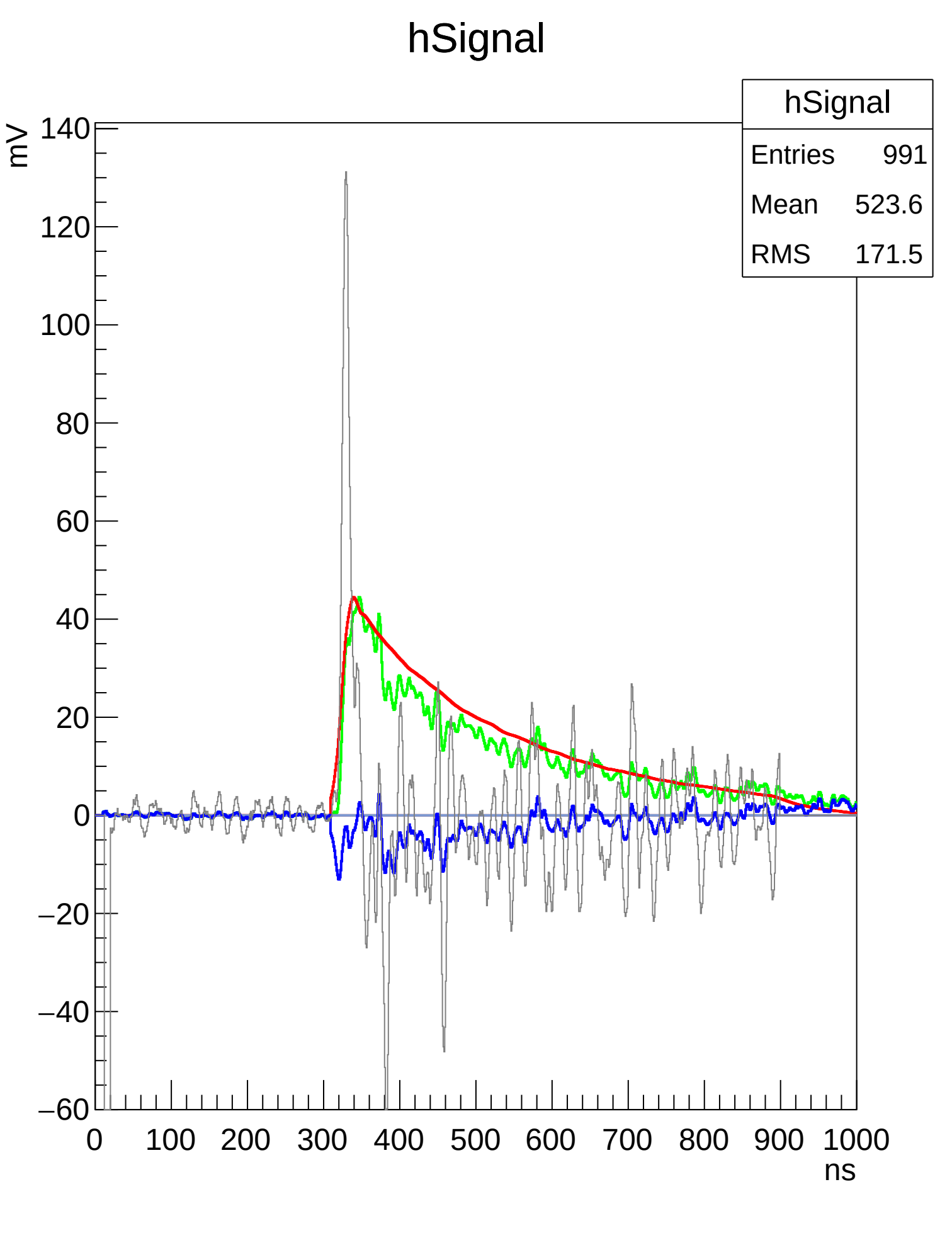

hSignal
hSignal
Entries 991
Mean 487.4
RMS 178.8
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

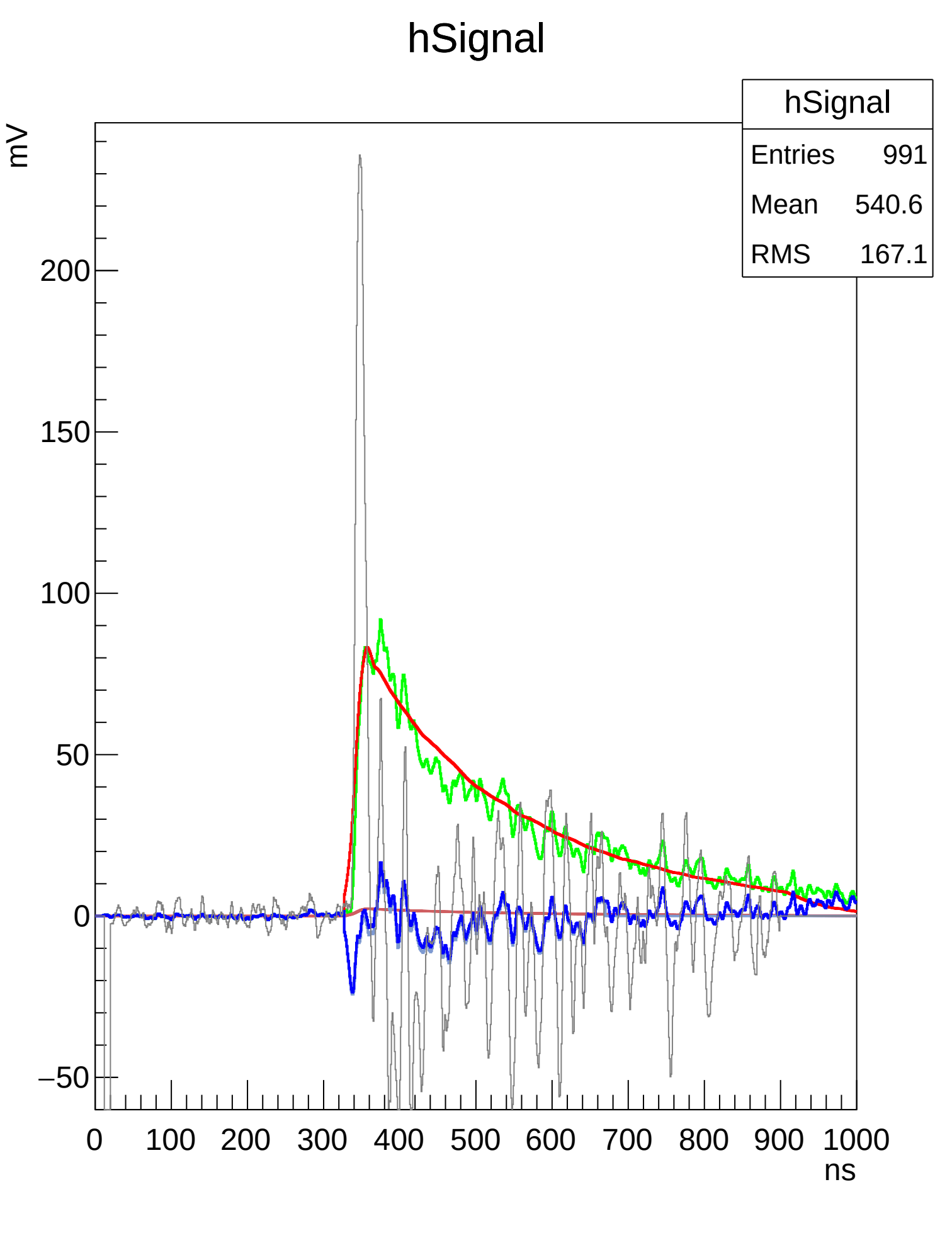

hSignal
hSignal
Entries 991
Mean 573.8
RMS 145.4
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

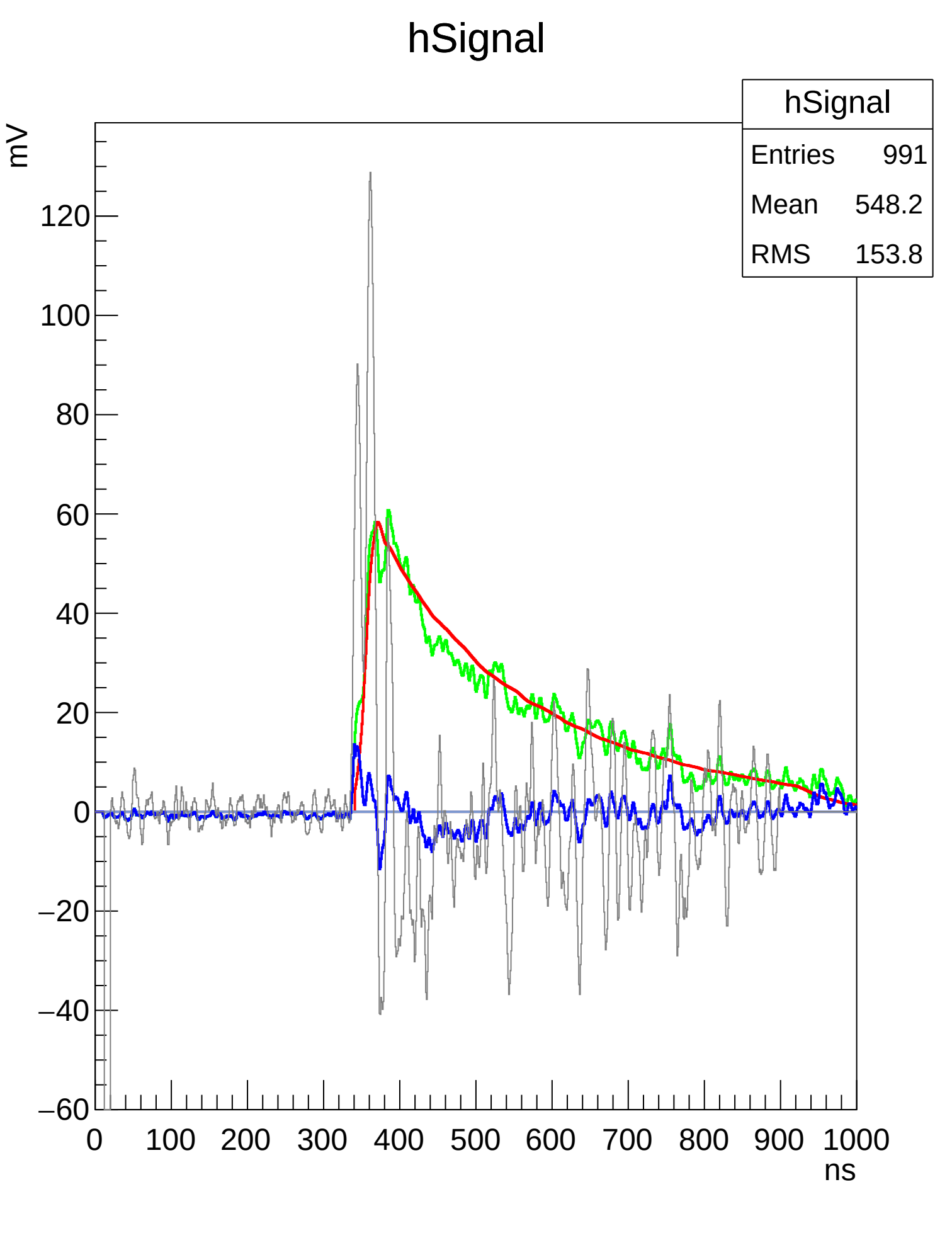

hSignal
hSignal
Entries 991
Mean 544.1
RMS 166.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

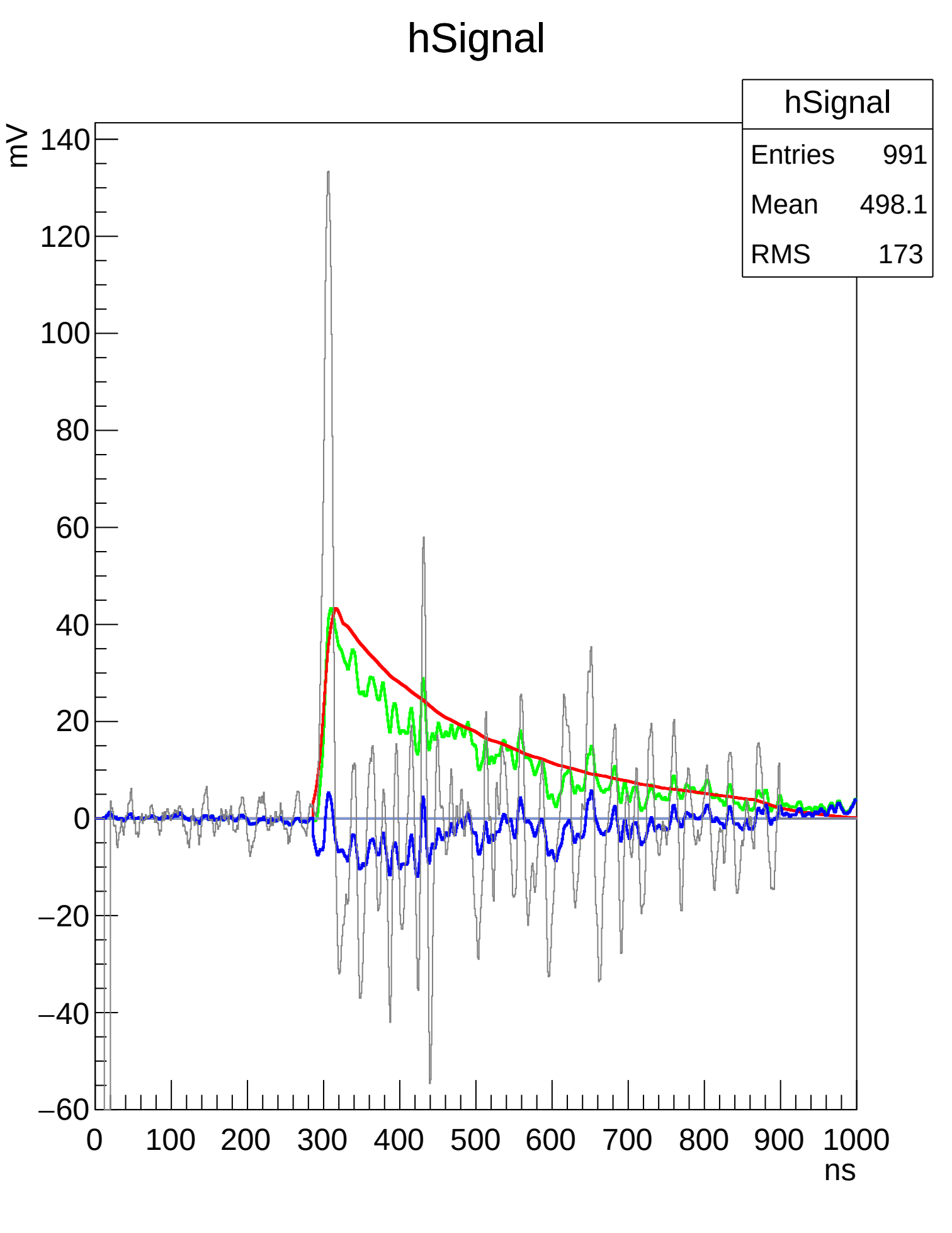

hSignal
hSignal
Entries 991
Mean 515.3
RMS 123.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

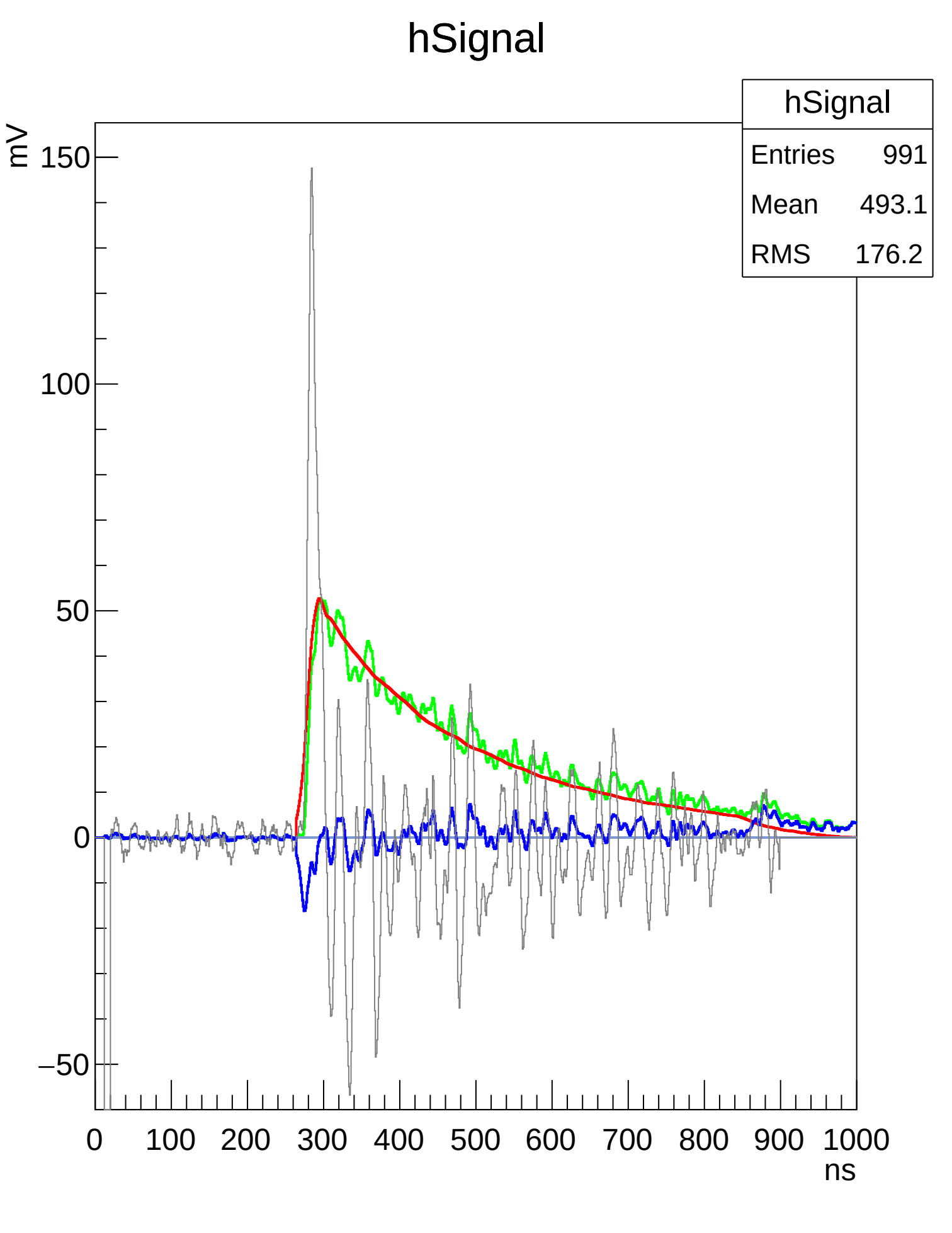

hSignal
hSignal
Entries 991
Mean 563.6
RMS 160.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

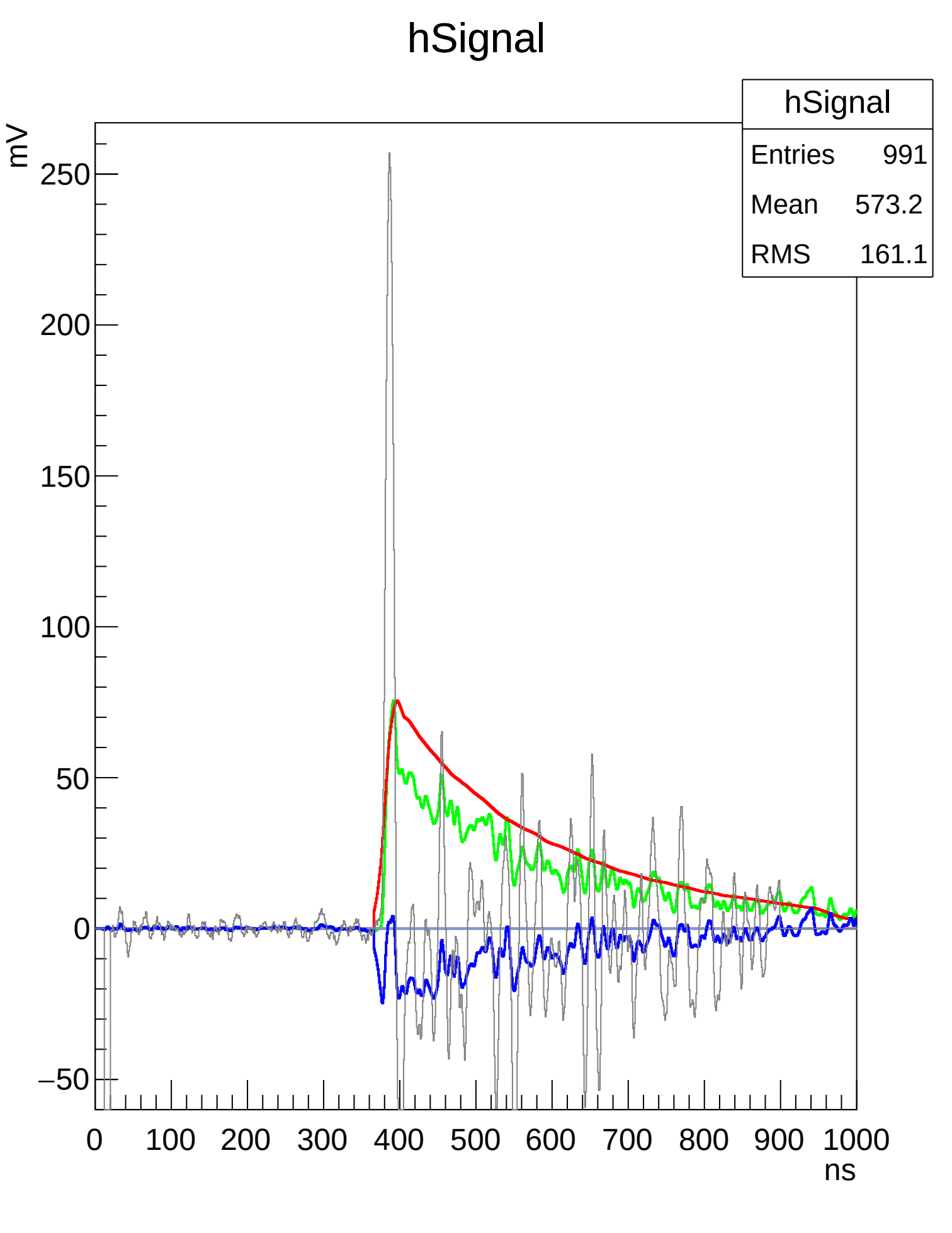

hSignal
hSignal
Entries 991
Mean 523.6
RMS 171.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

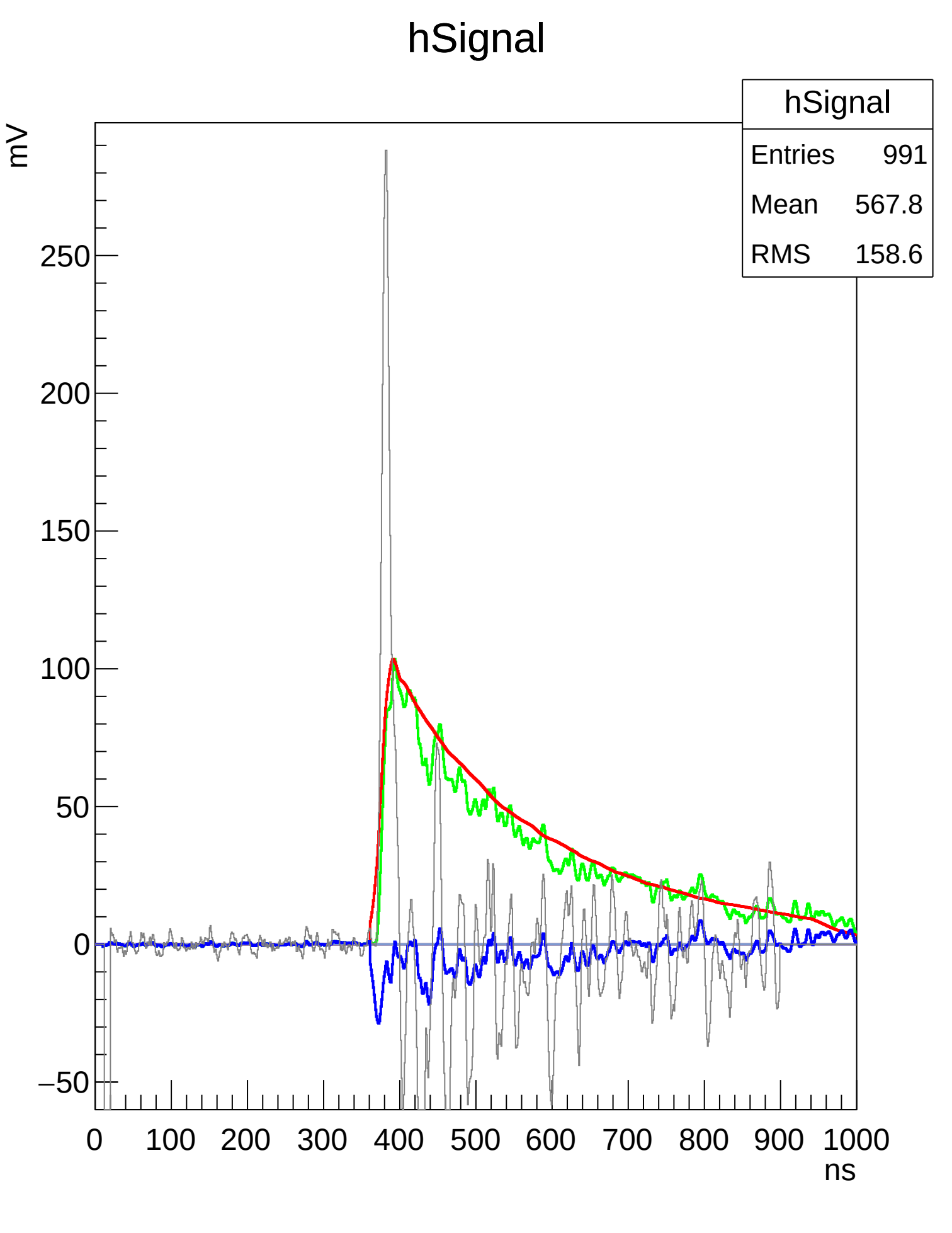

hSignal
hSignal
Entries 991
Mean 540.6
RMS 167.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

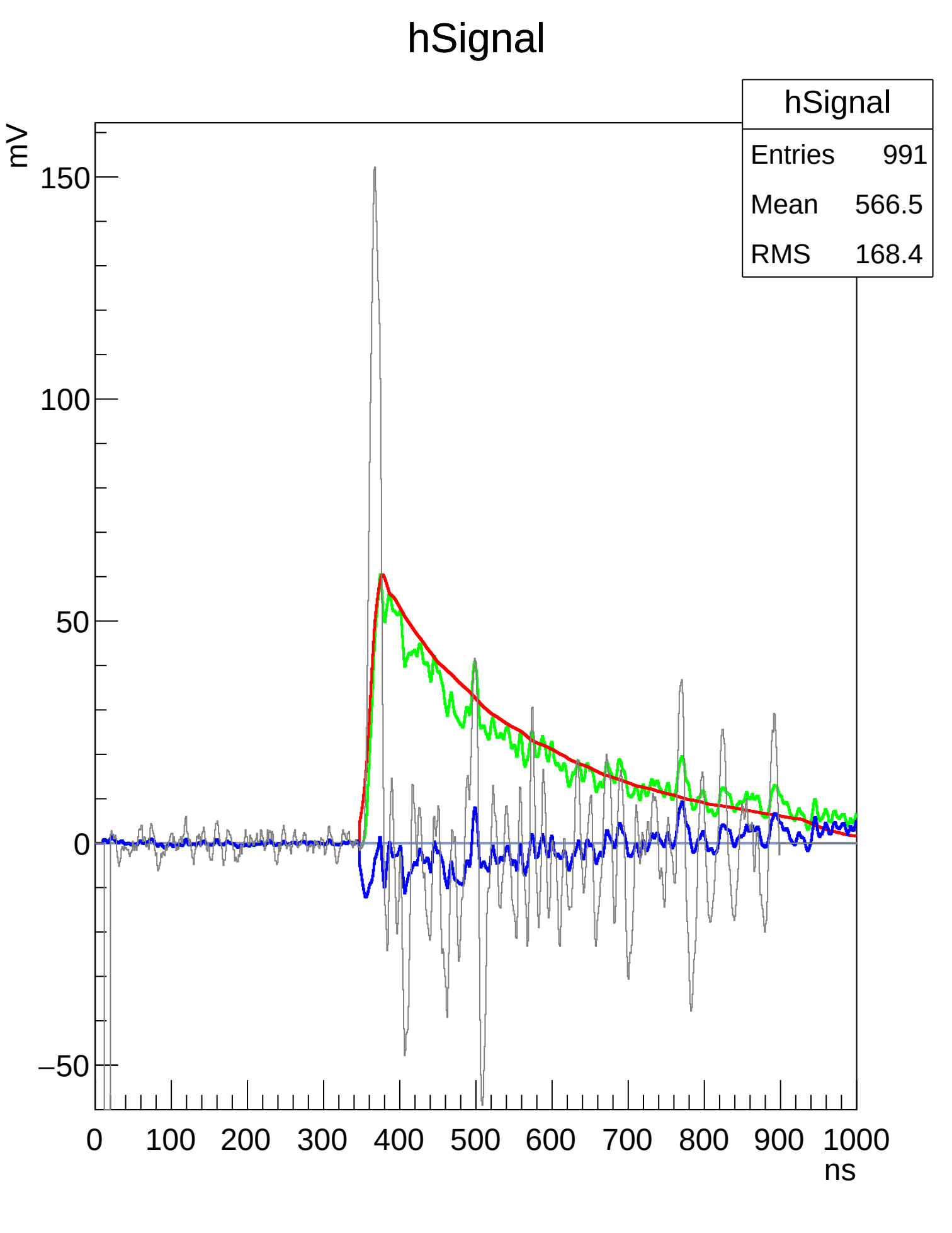

hSignal
hSignal
Entries 991
Mean 548.2
RMS 153.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

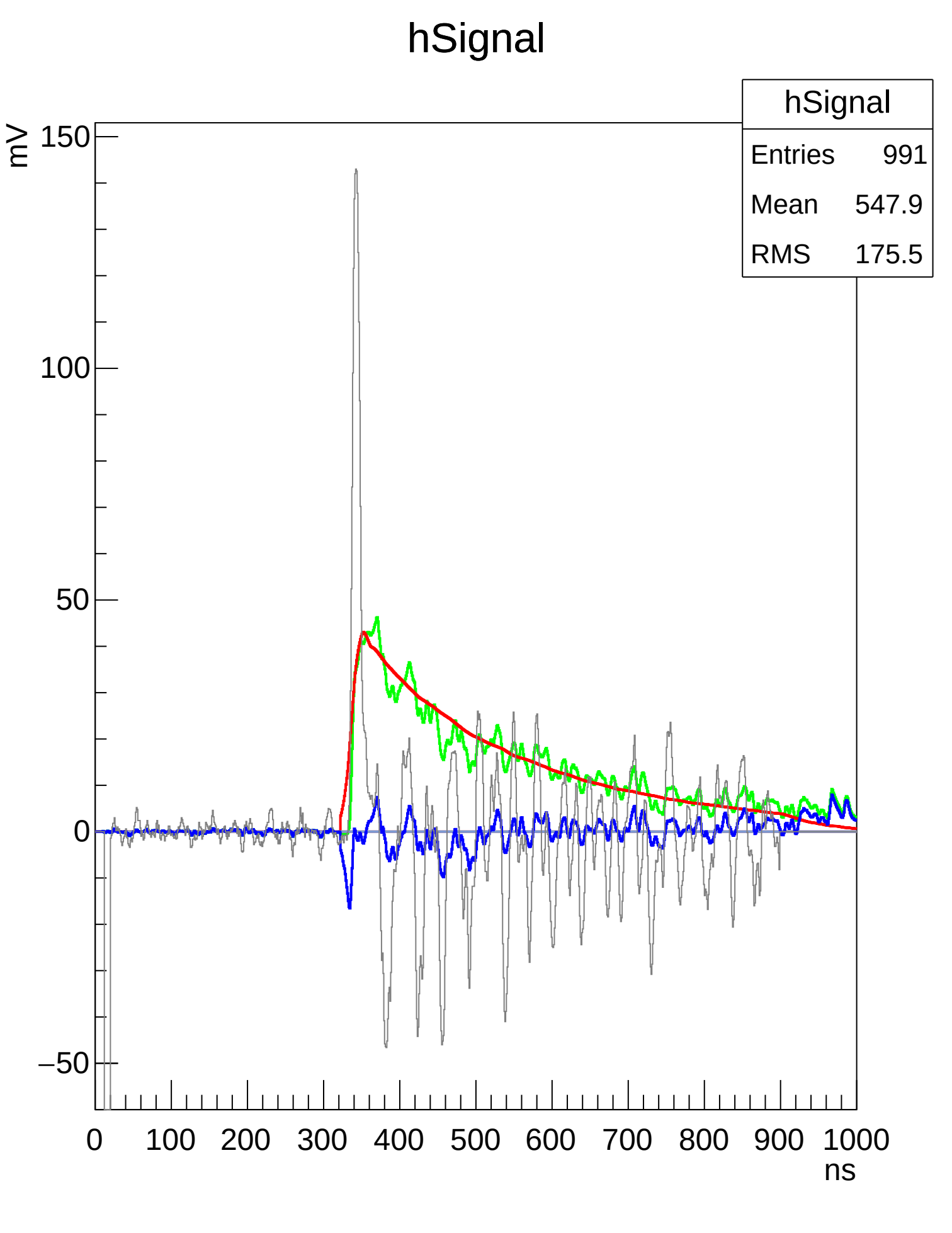

hSignal
hSignal
Entries 991
Mean 498.1
RMS 173
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

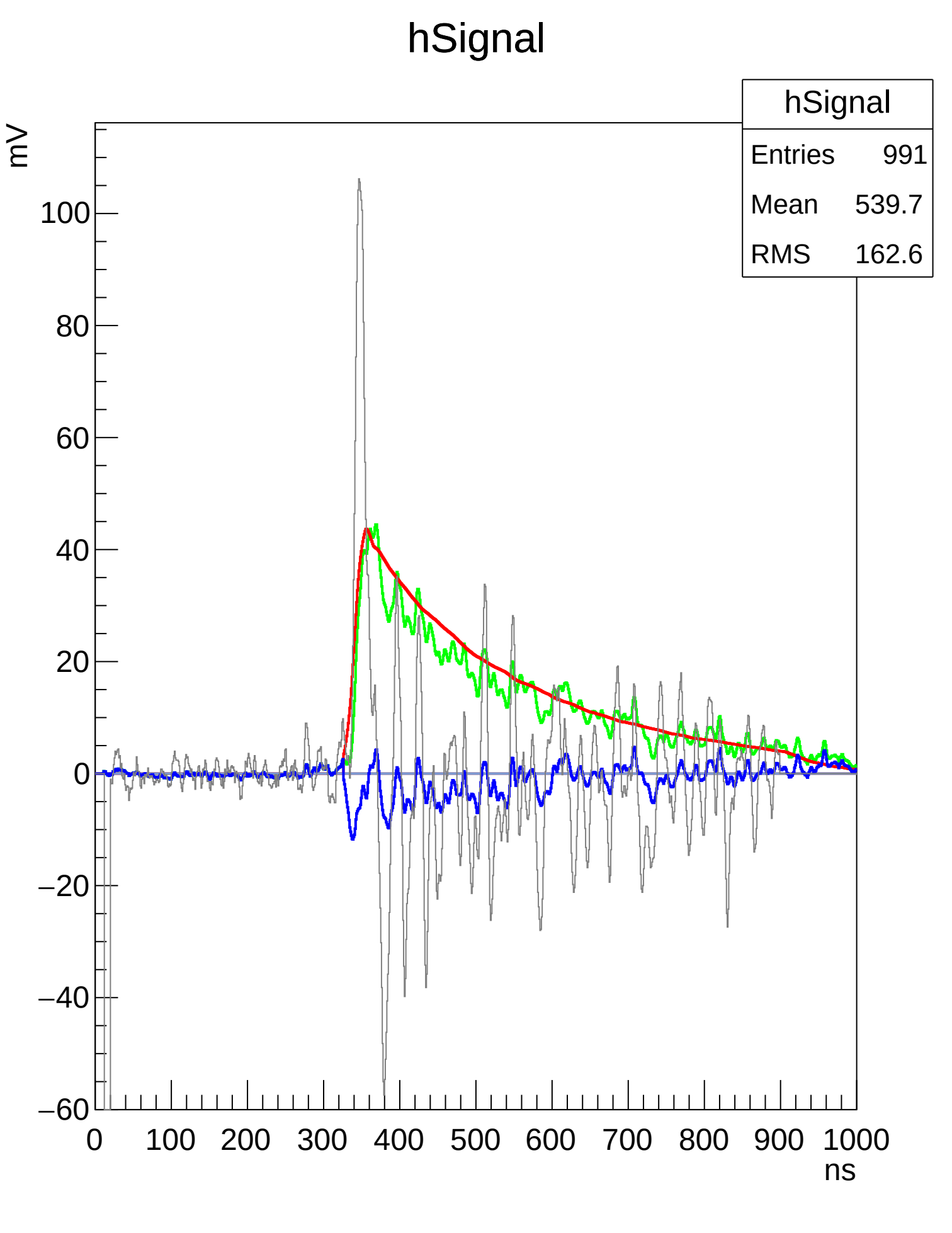

hSignal
hSignal
Entries 991
Mean 493.1
RMS 176.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

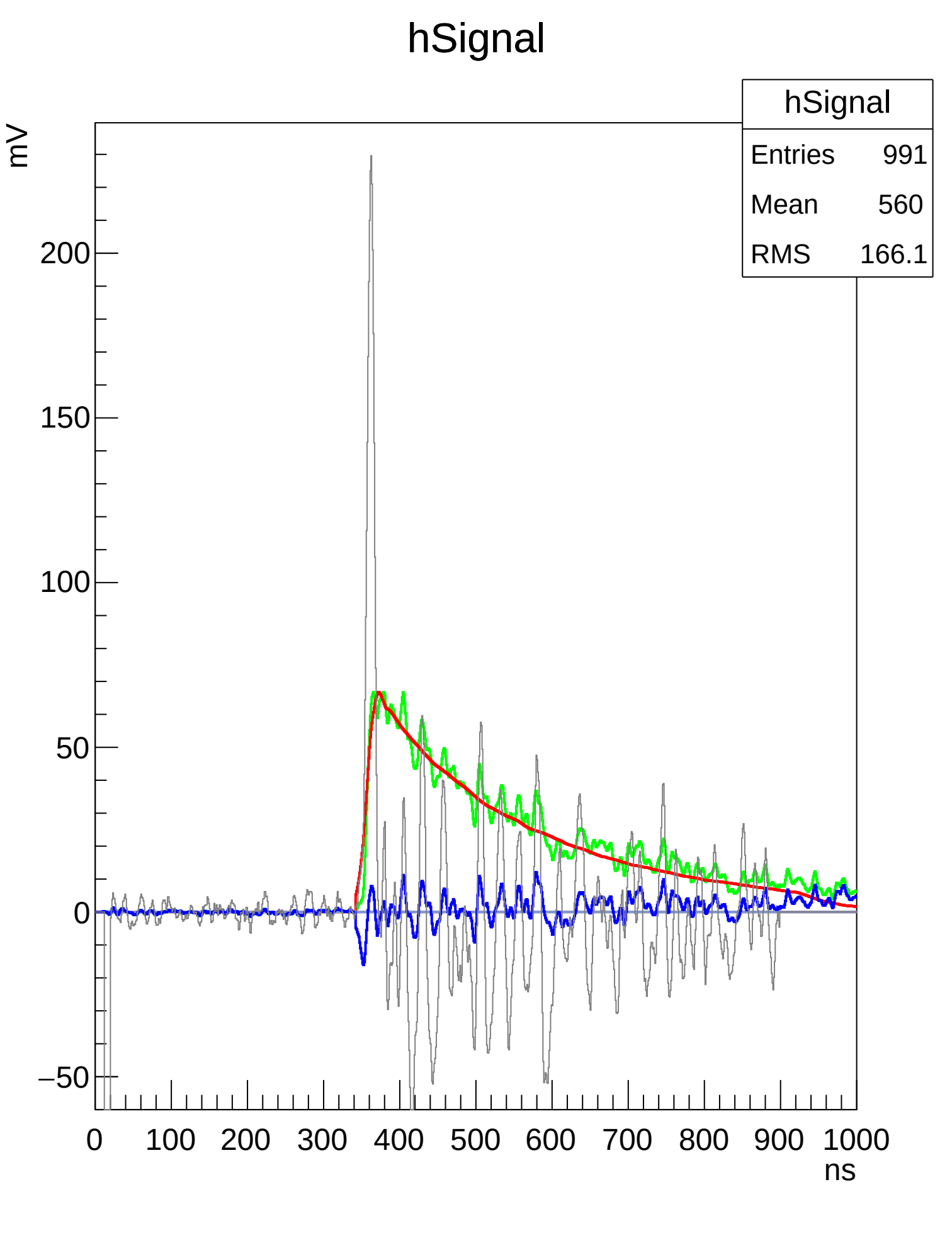

hSignal
hSignal
Entries 991
Mean 573.2
RMS 161.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

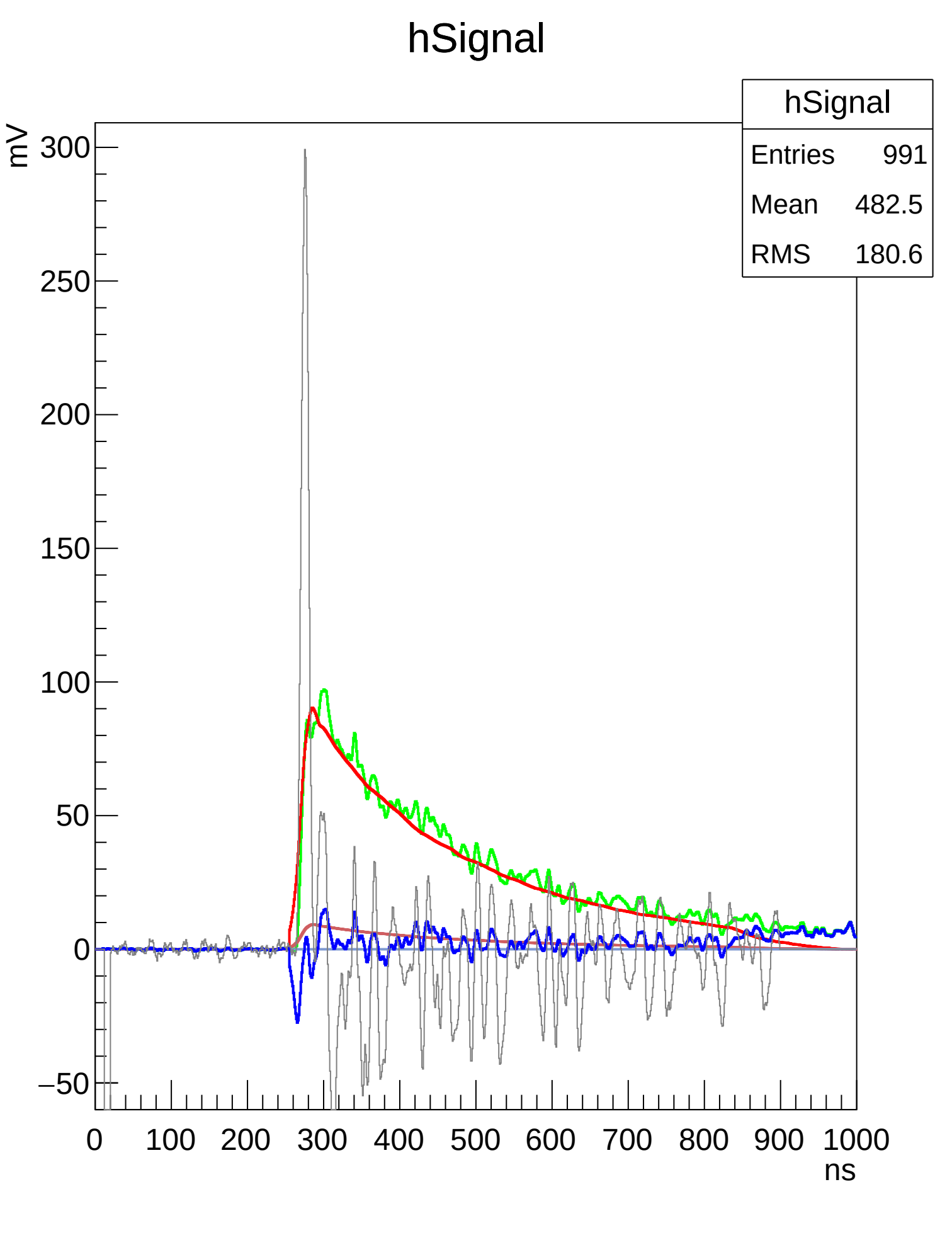

hSignal
hSignal
Entries 991
Mean 567.8
RMS 158.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

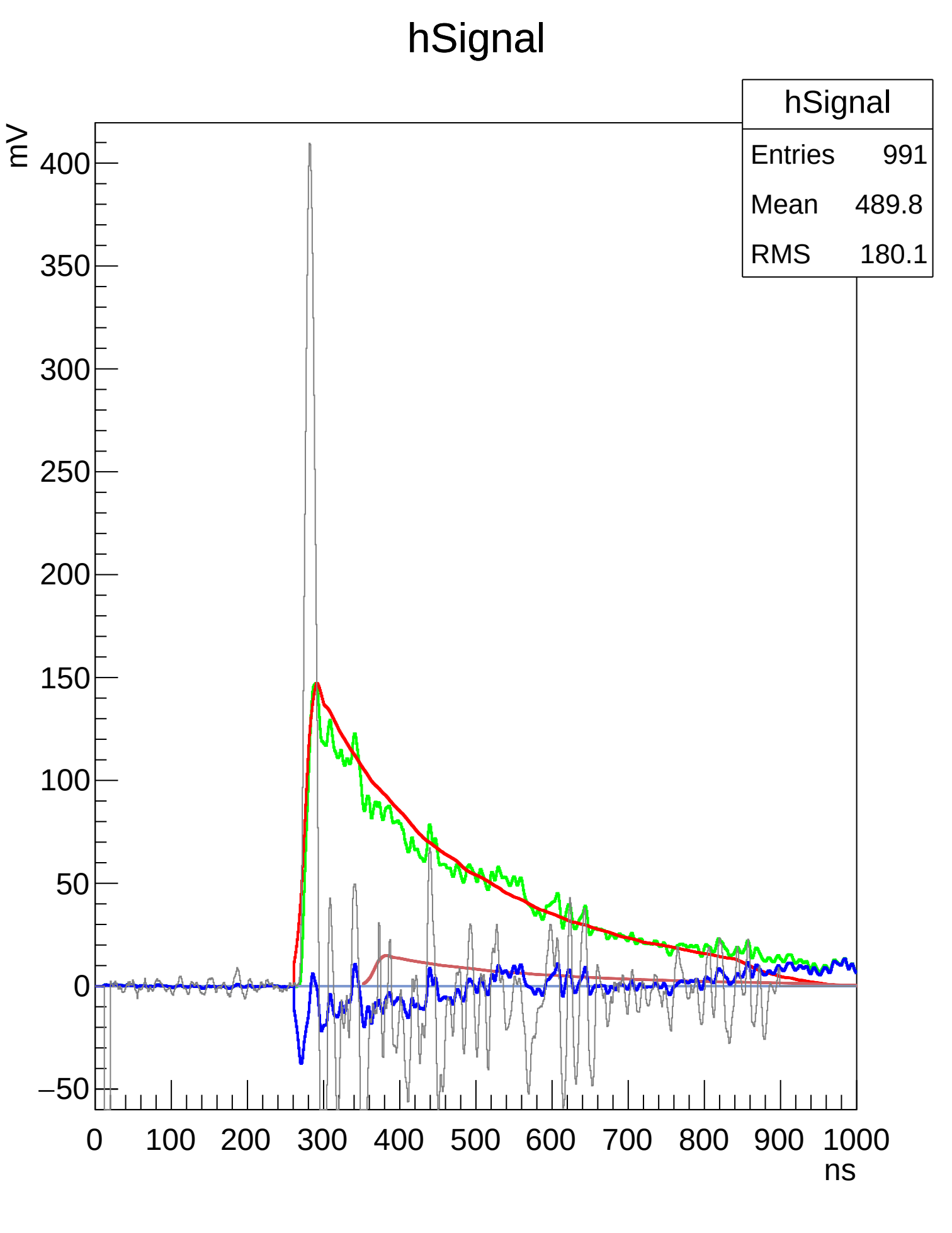

hSignal
hSignal
Entries 991
Mean 566.5
RMS 168.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

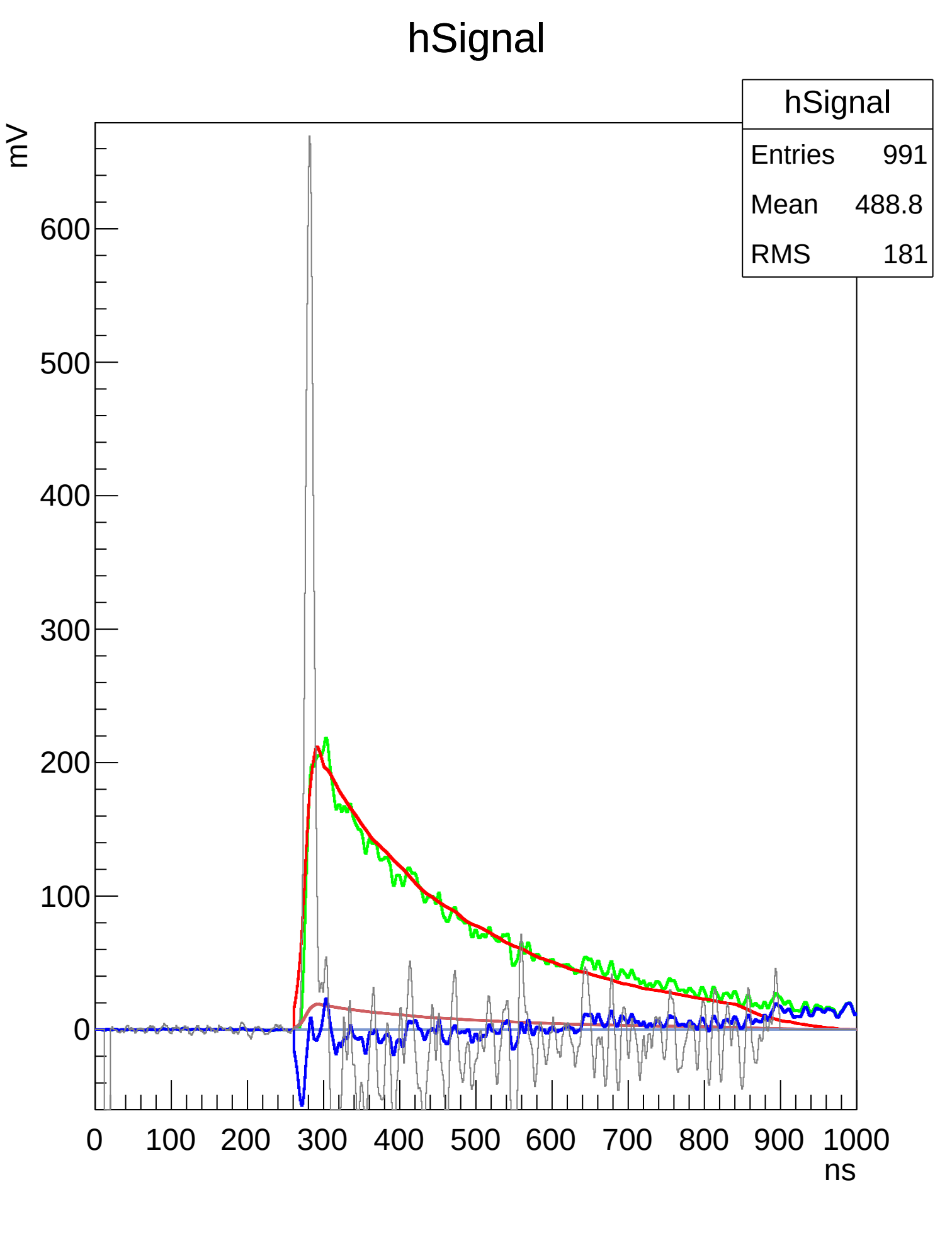

hSignal
hSignal
Entries 991
Mean 547.9
RMS 175.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

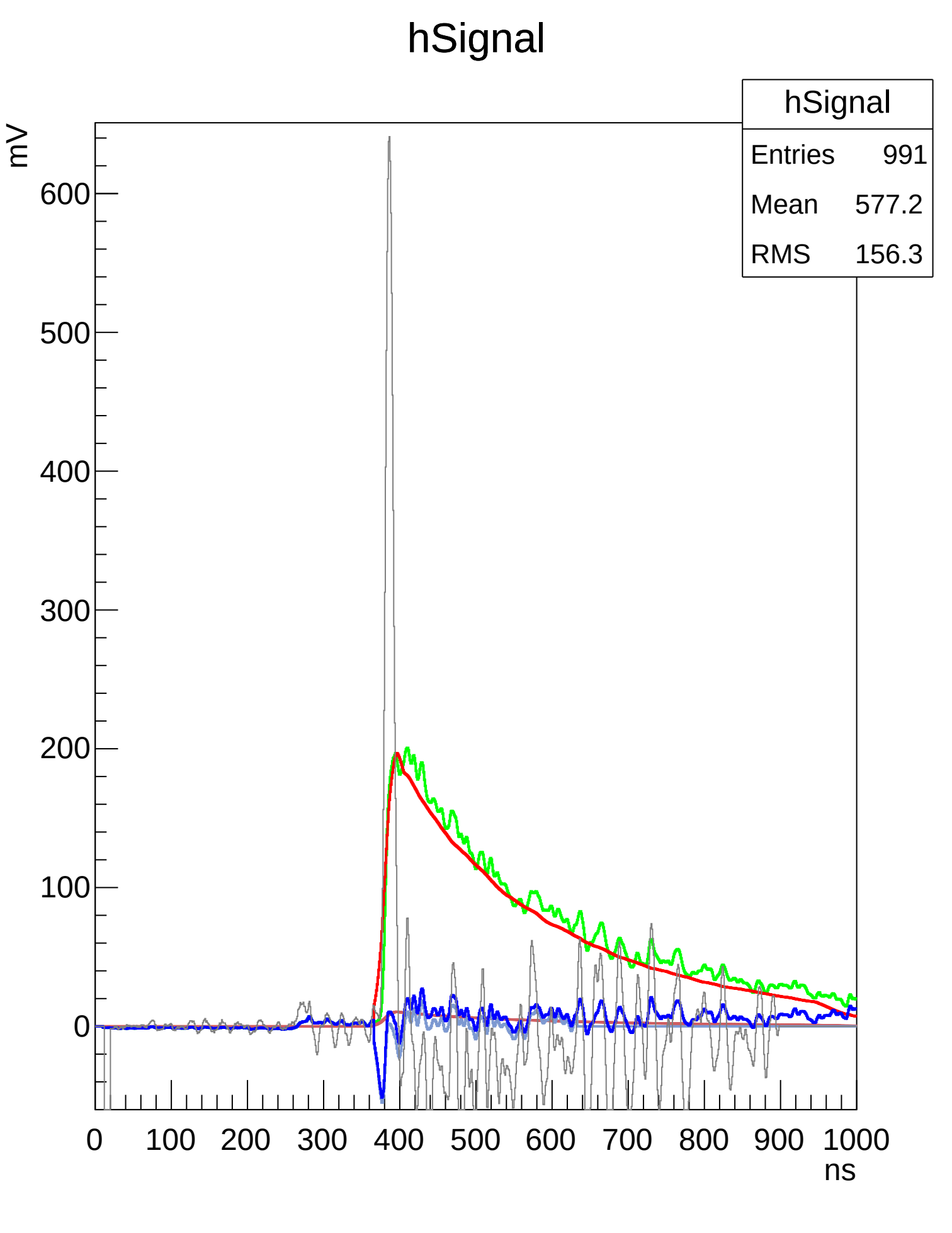

hSignal
hSignal
Entries 991
Mean 539.7
RMS 162.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

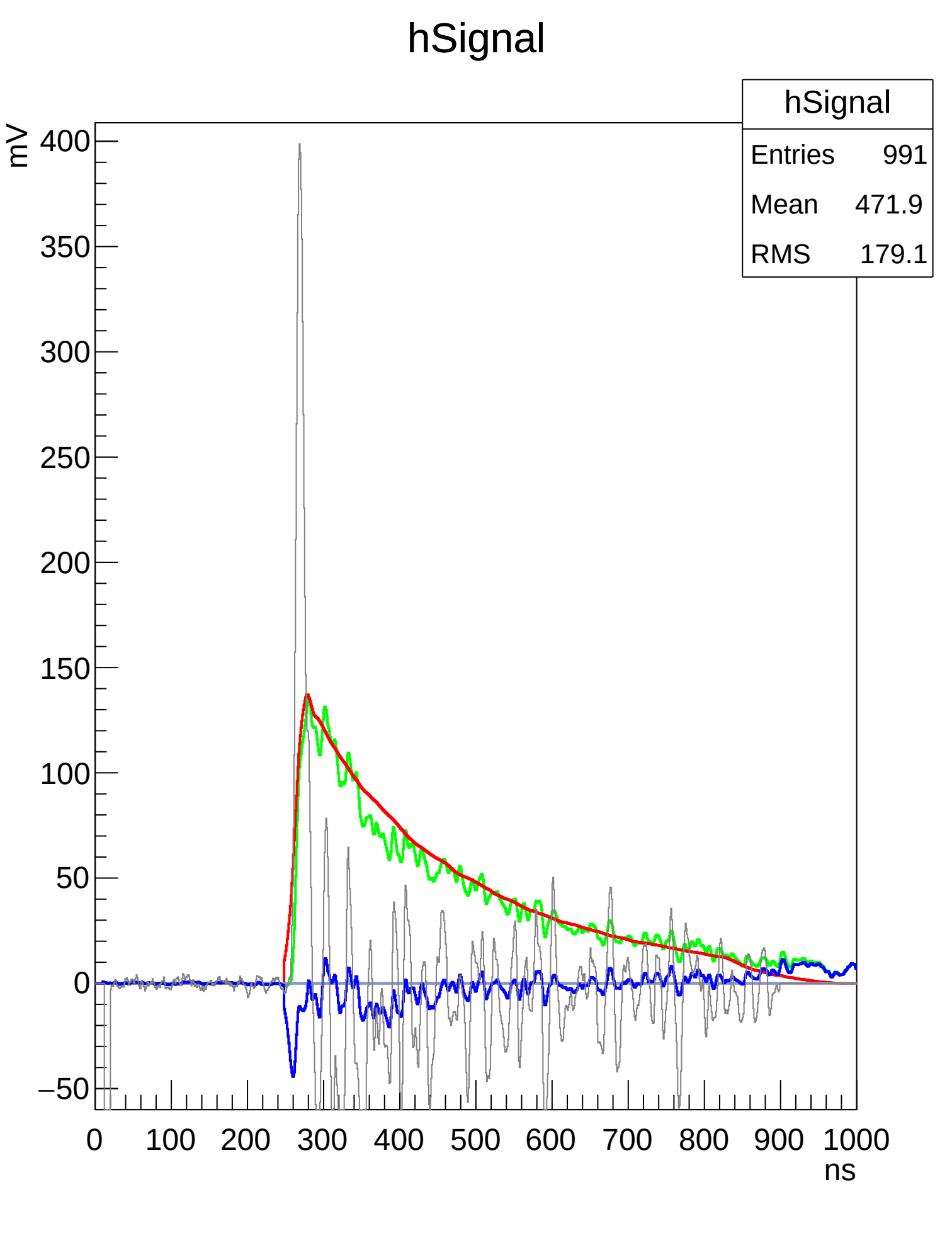

hSignal
hSignal
Entries 991
Mean 560
RMS 166.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

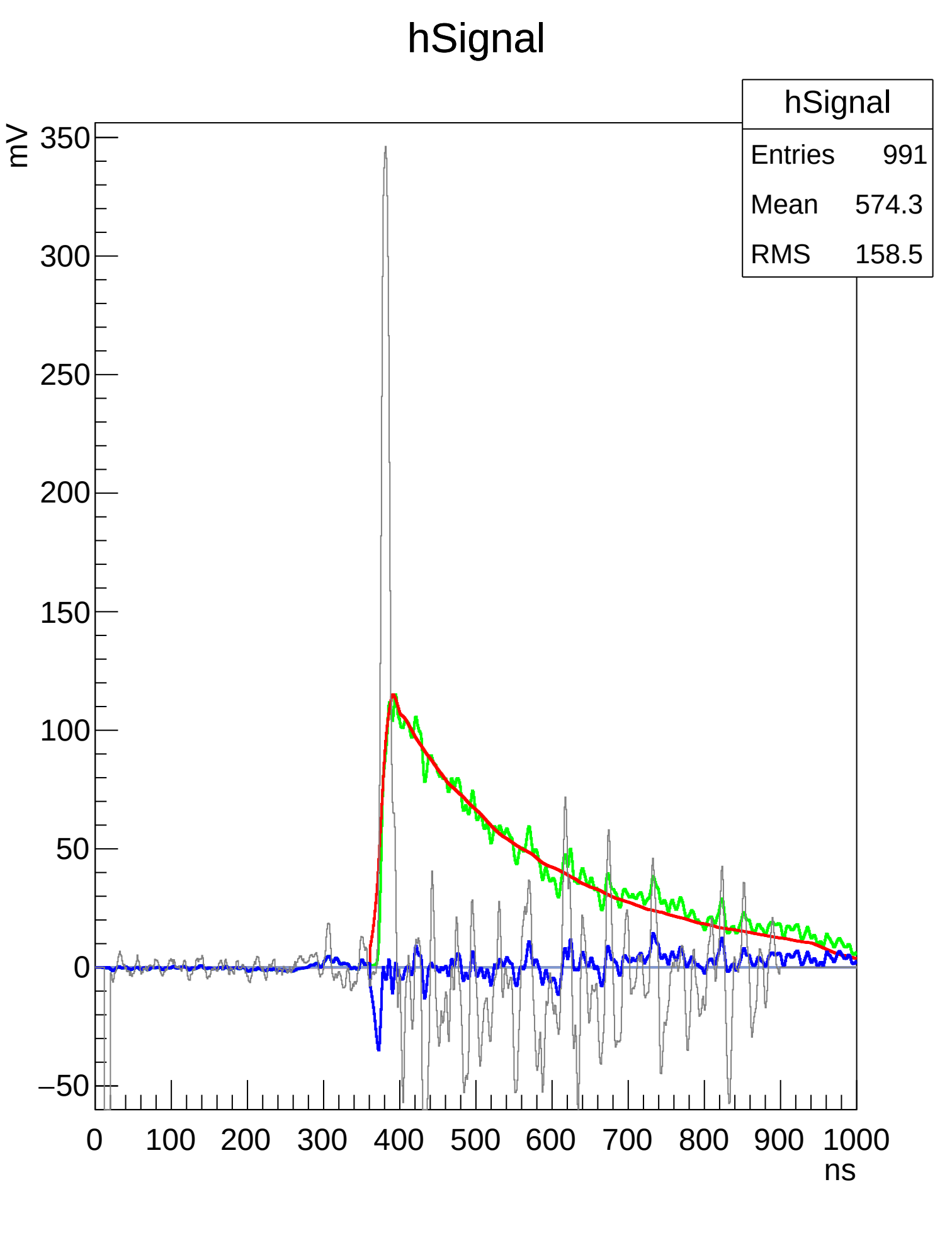

hSignal
hSignal
Entries 991
Mean 482.5
RMS 180.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

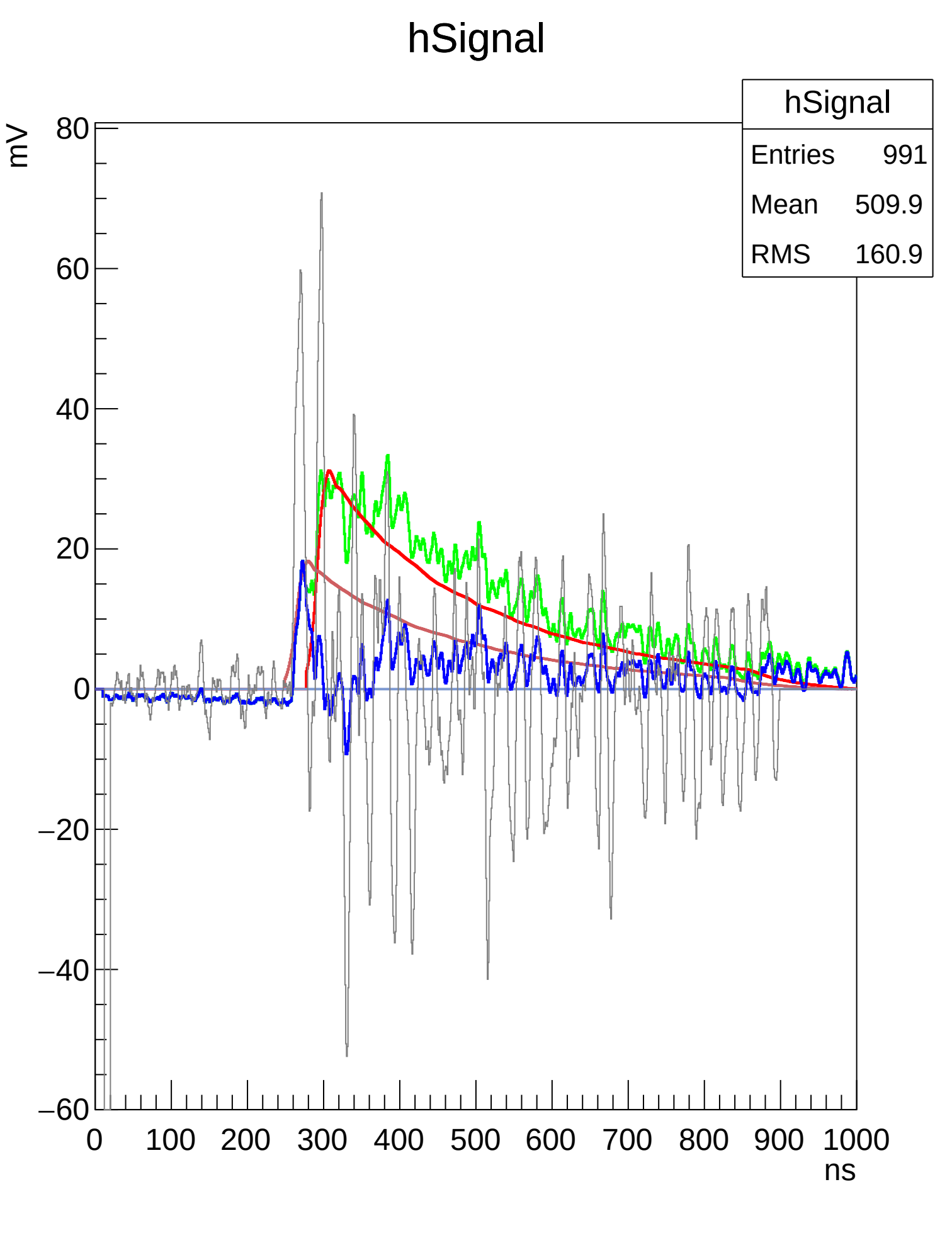

hSignal
hSignal
Entries 991
Mean 489.8
RMS 180.1
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

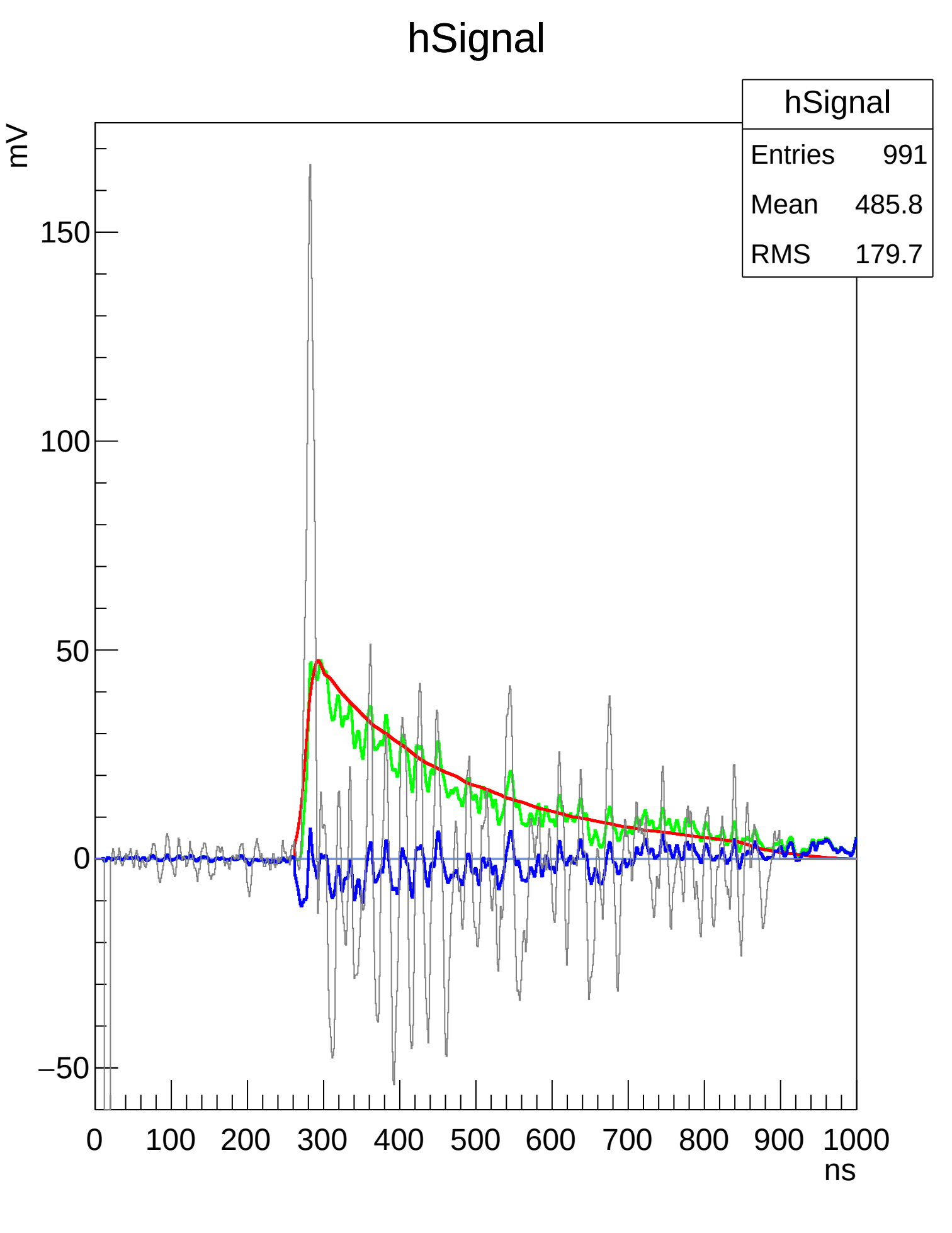

hSignal
hSignal
Entries 991
Mean 488.8
RMS 181
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

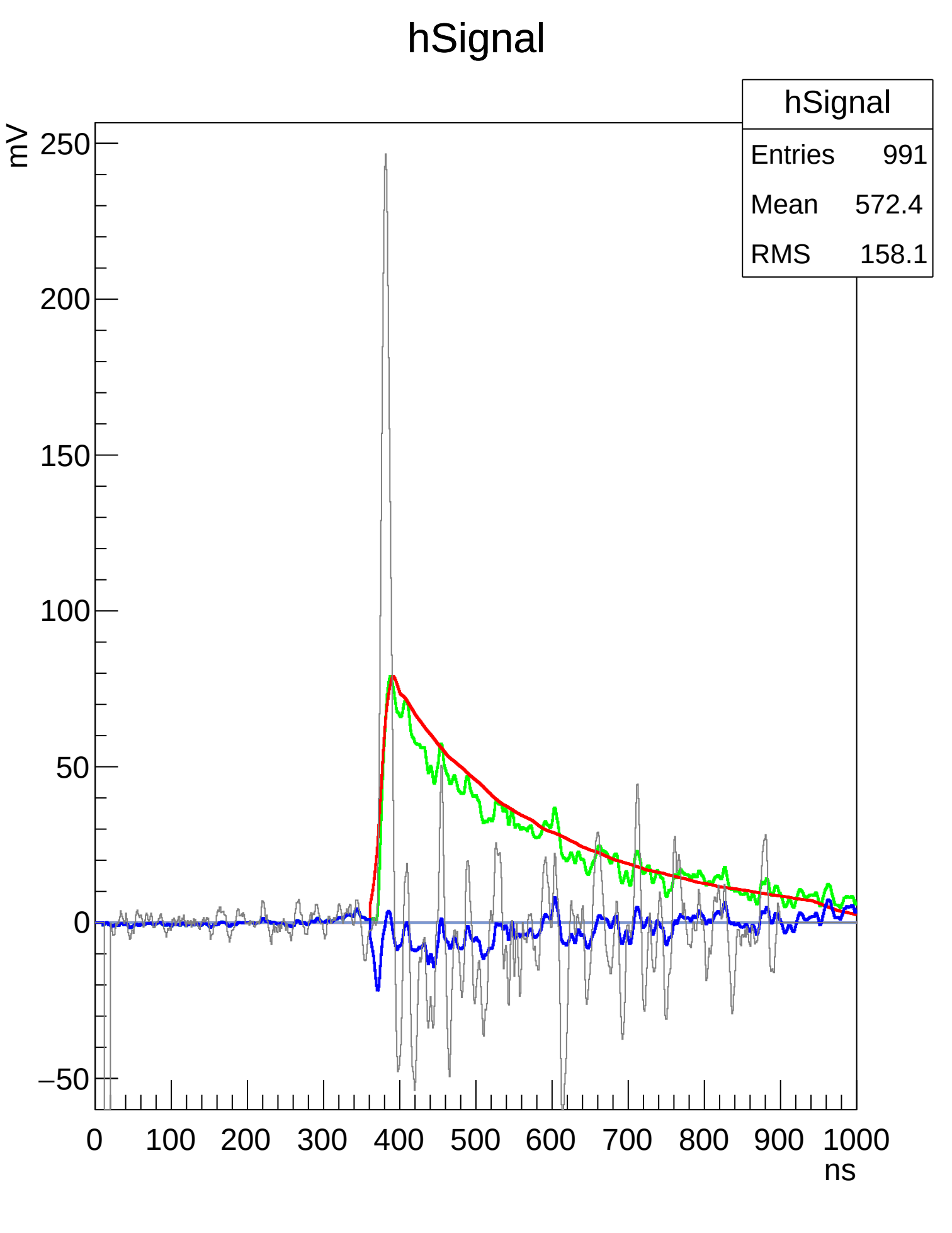

hSignal
hSignal
Entries 991
Mean 577.2
RMS 156.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

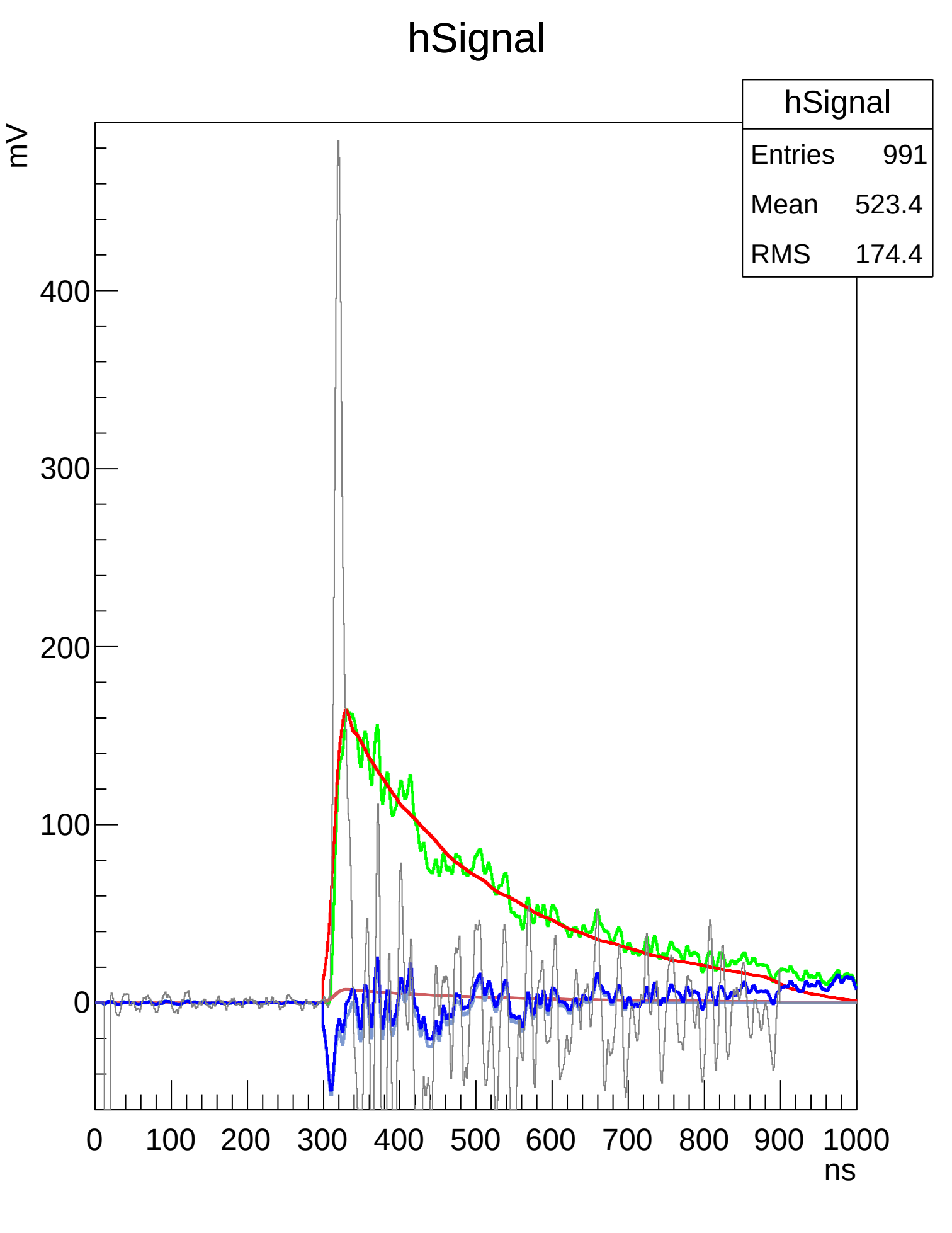

hSignal
hSignal
Entries 991
Mean 471.9
RMS 179.1
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

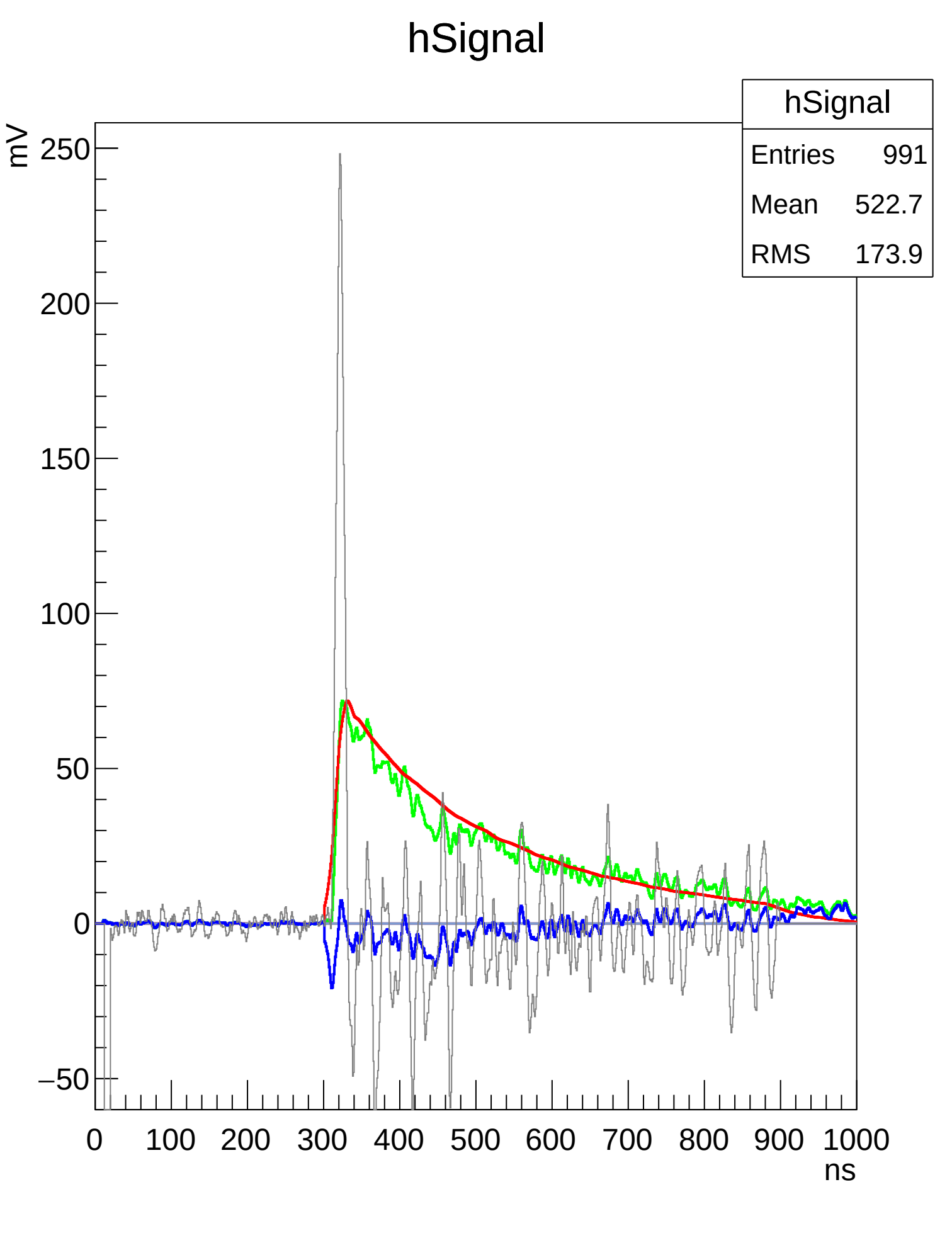

hSignal
hSignal
Entries 991
Mean 574.3
RMS 158.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

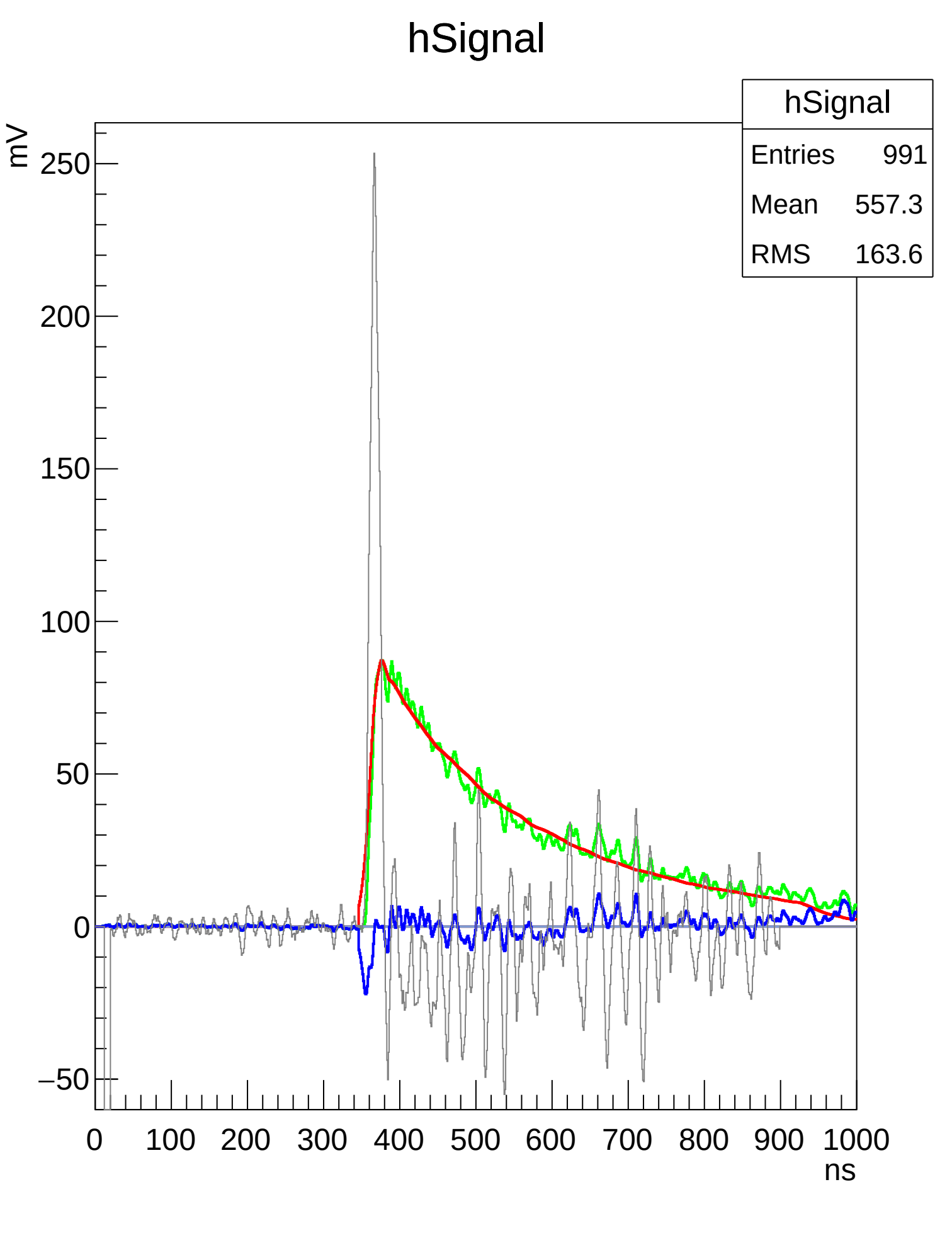

hSignal
hSignal
Entries 991
Mean 509.9
RMS 160.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

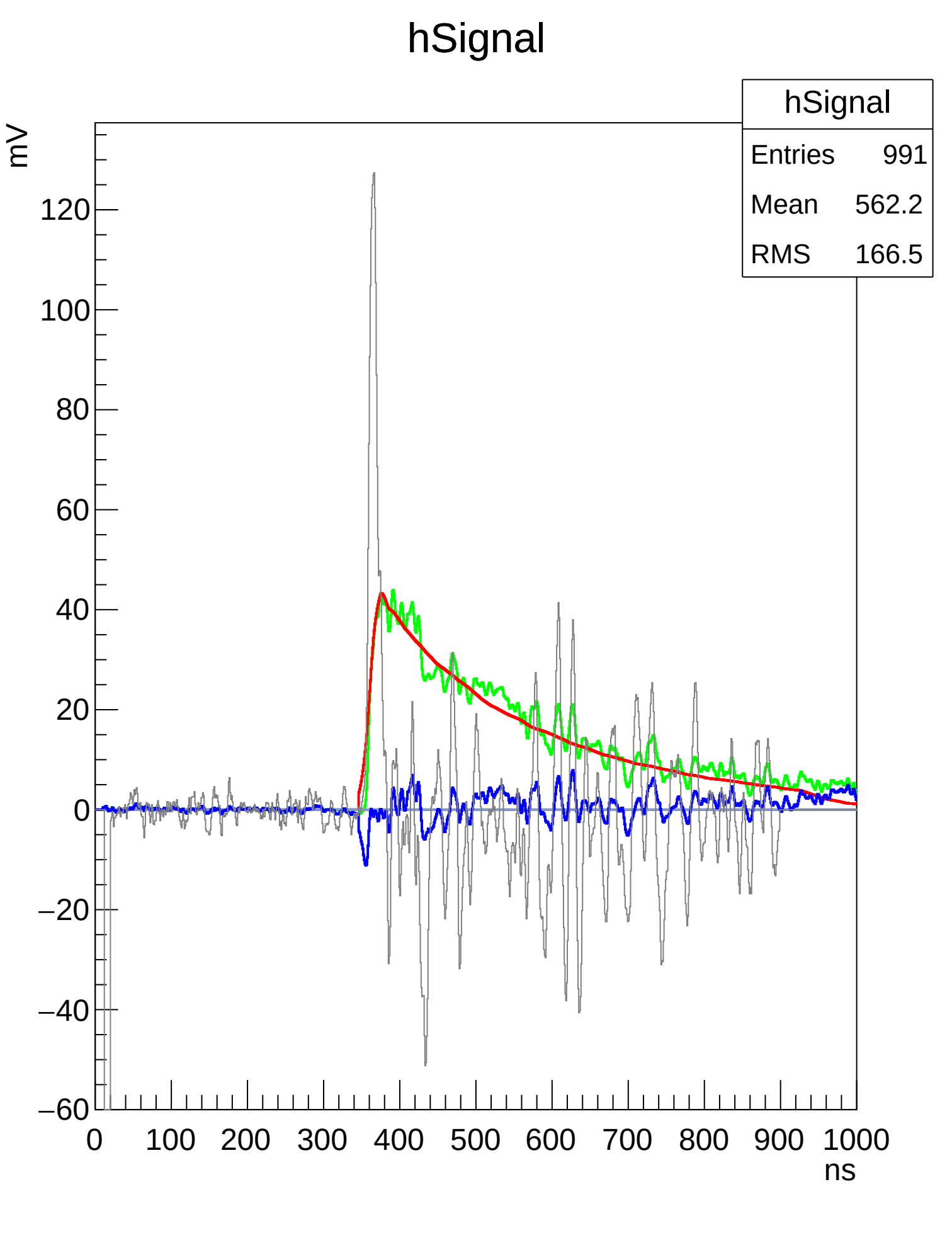

hSignal
hSignal
Entries 991
Mean 485.8
RMS 179.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

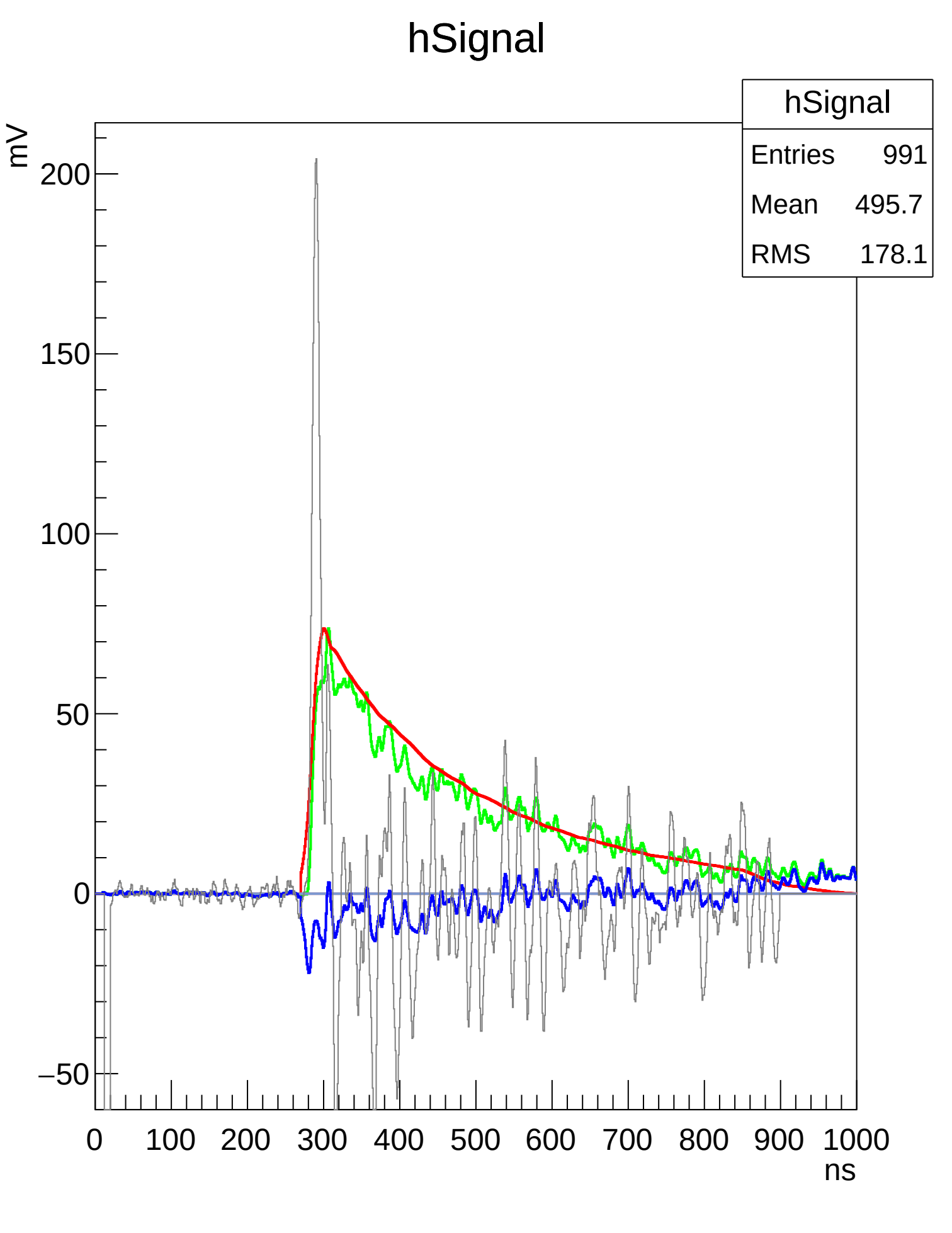

hSignal
hSignal
Entries 991
Mean 572.4
RMS 158.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

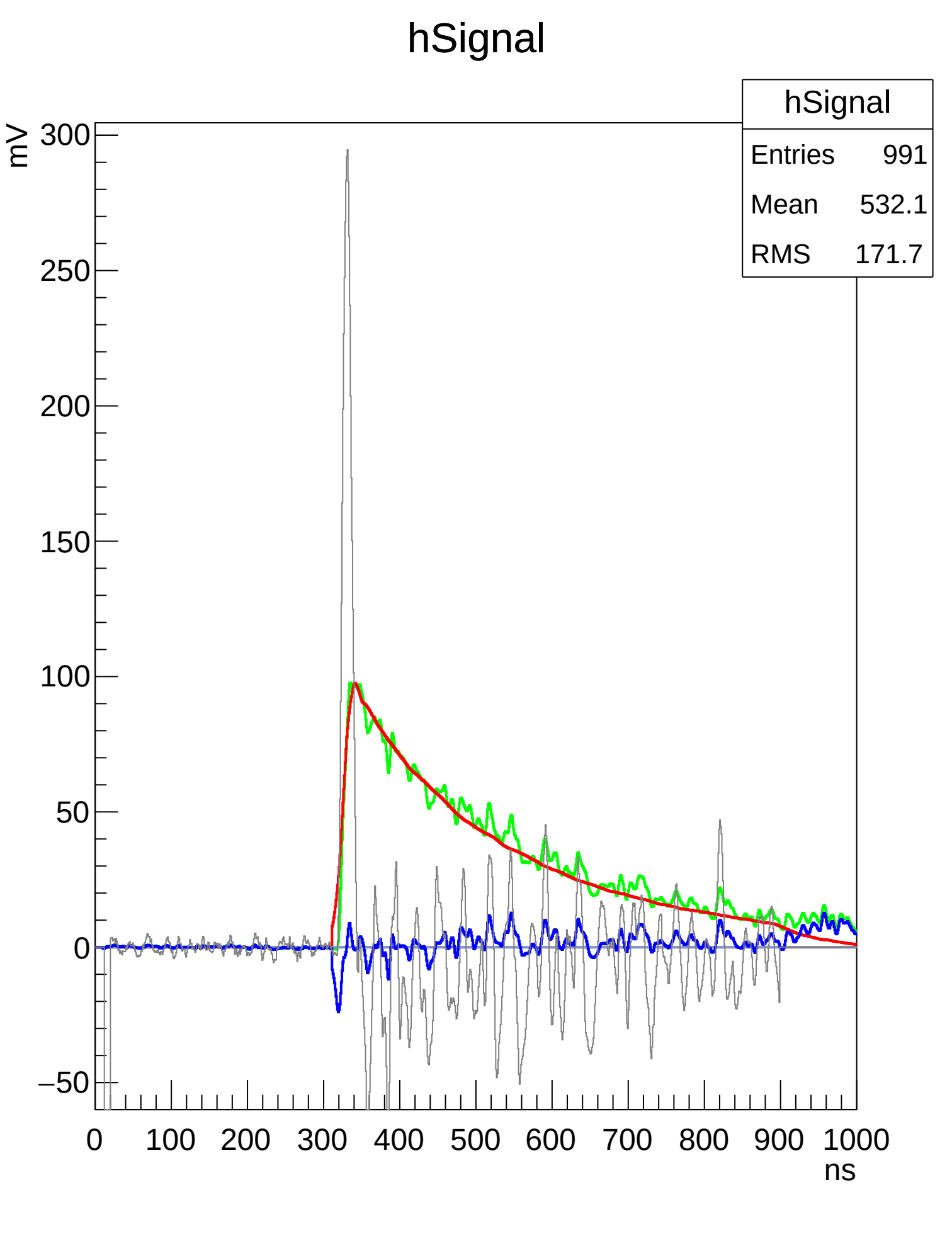

hSignal
hSignal
Entries 991
Mean 523.4
RMS 174.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

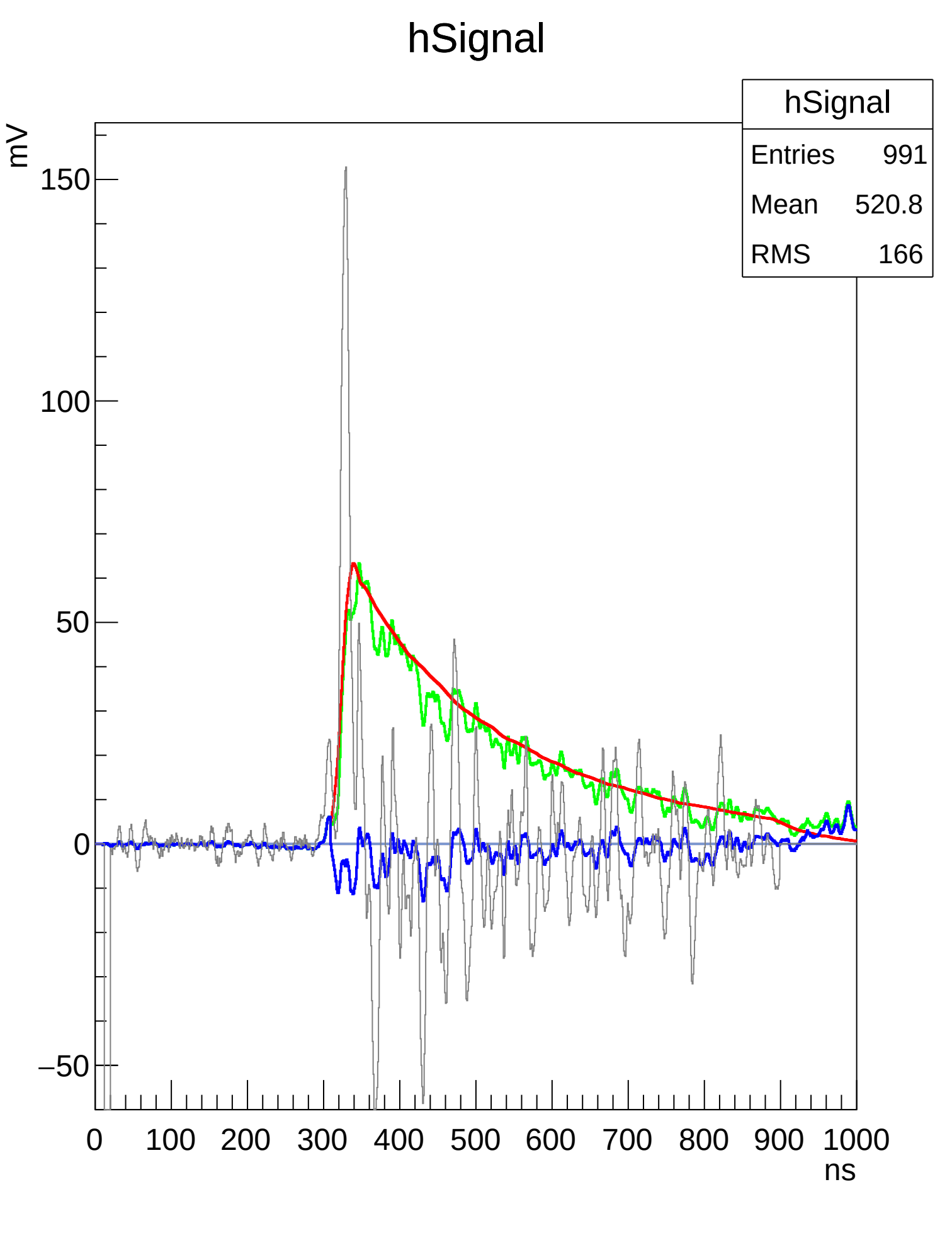

hSignal
hSignal
Entries 991
Mean 522.7
RMS 173.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

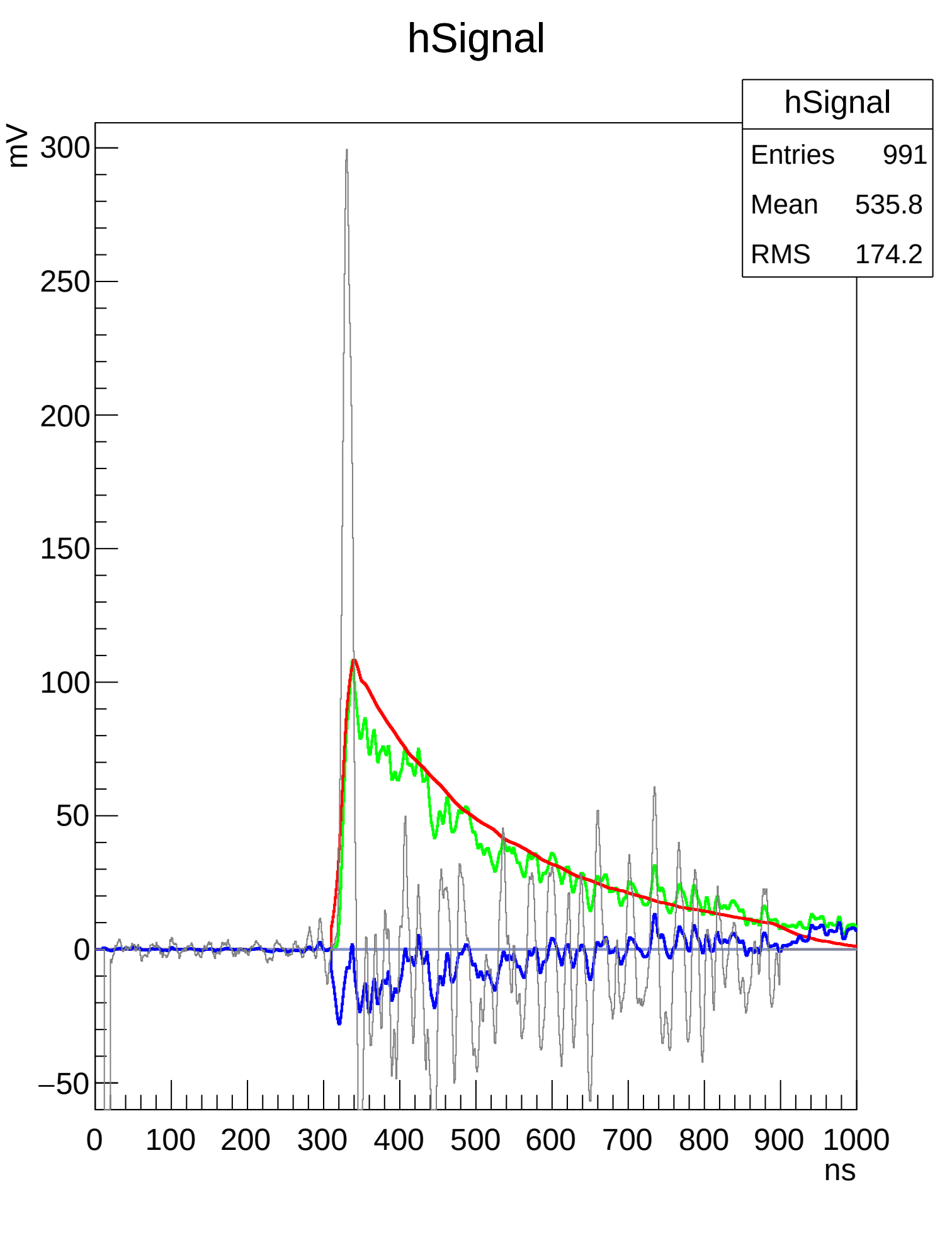

hSignal
hSignal
Entries 991
Mean 557.3
RMS 163.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

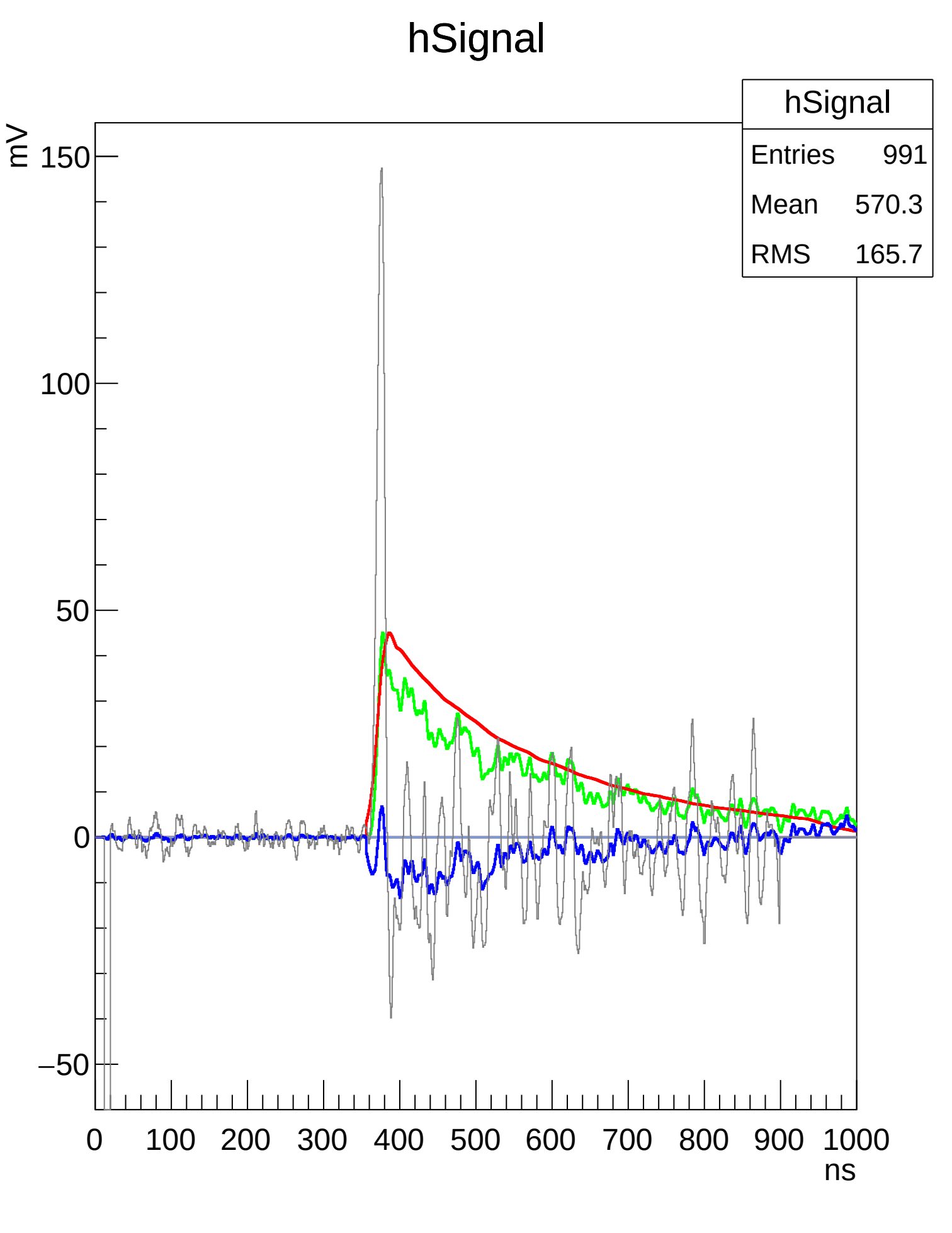

hSignal
hSignal
Entries 991
Mean 562.2
RMS 166.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

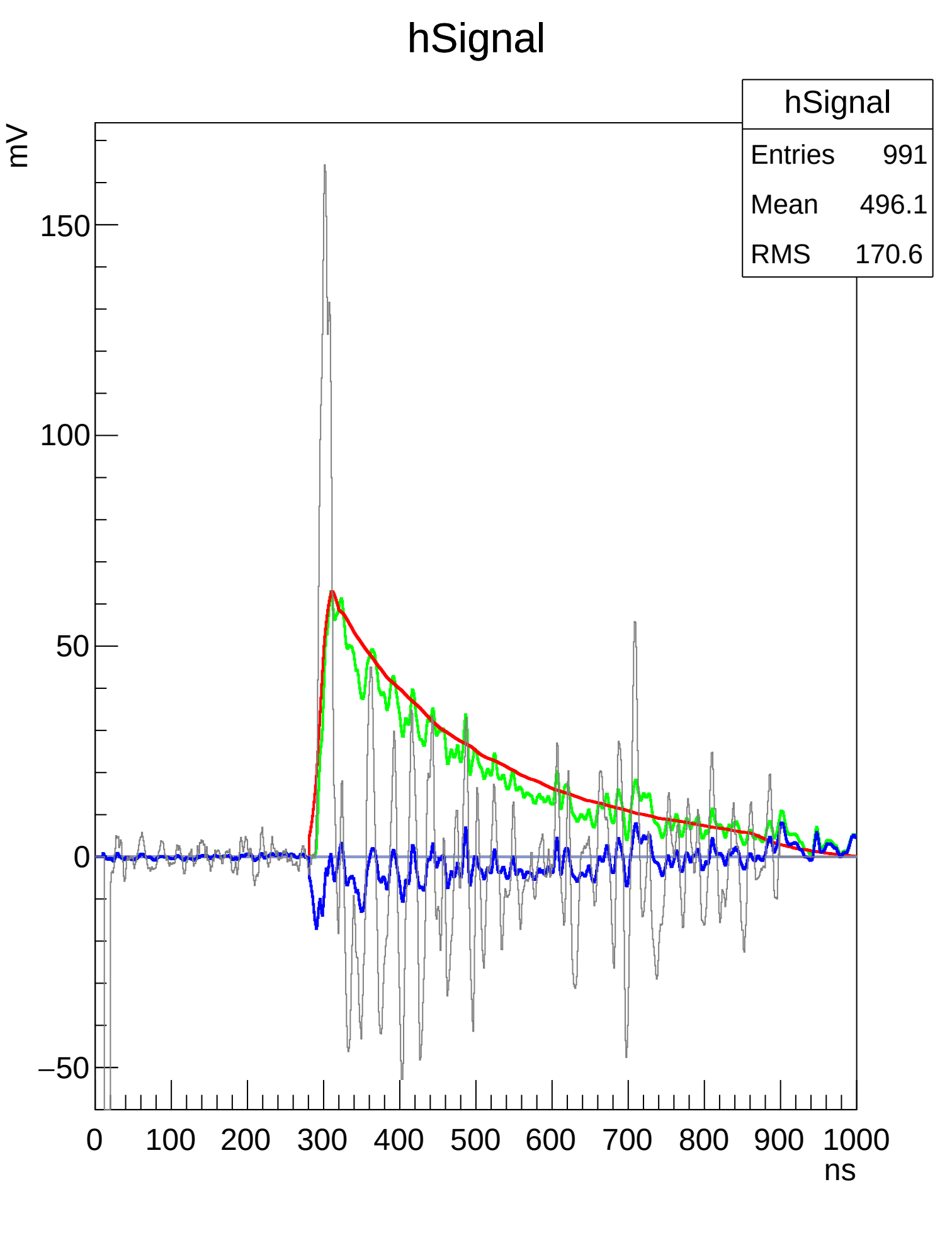

hSignal
hSignal
Entries 991
Mean 495.7
RMS 178.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

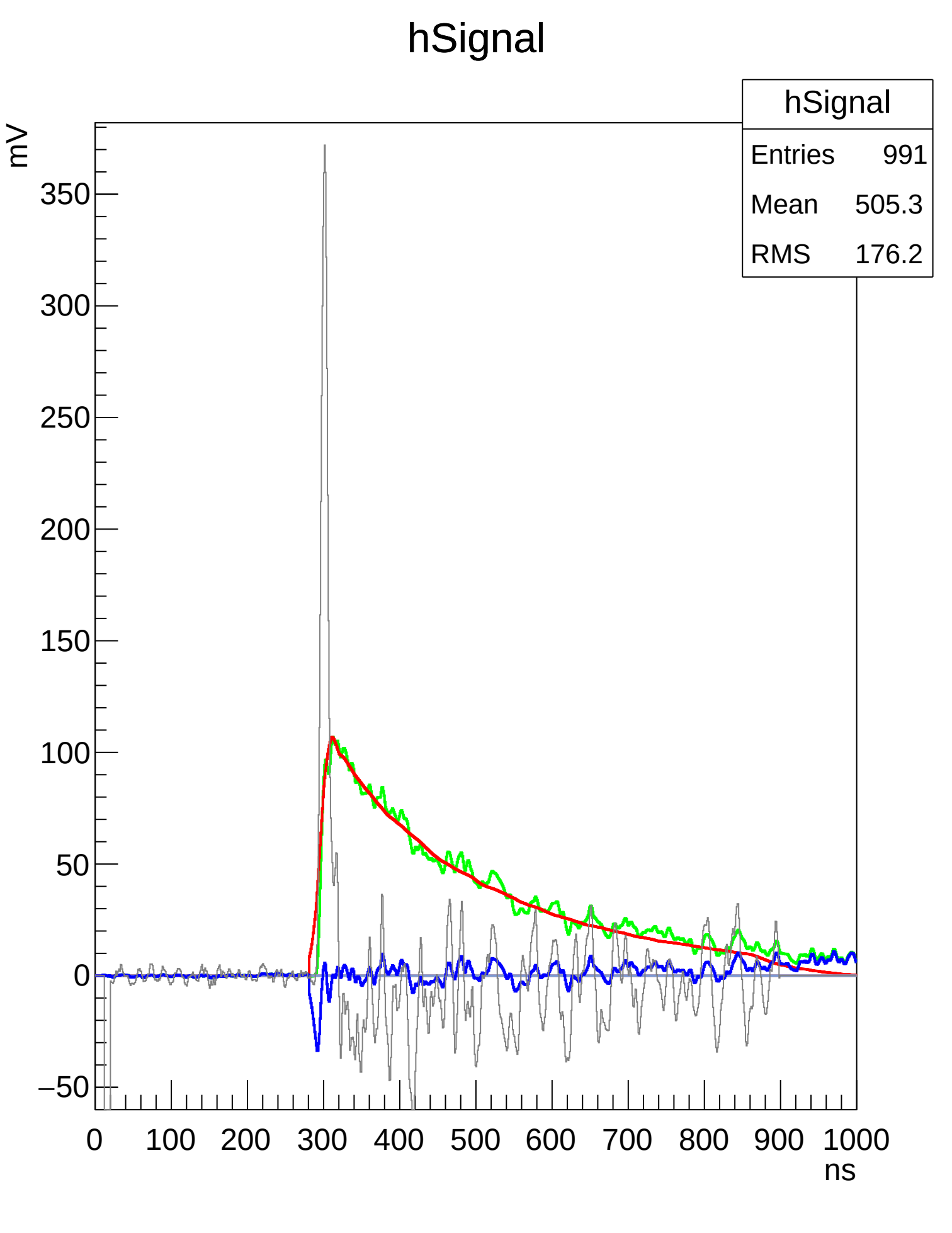

hSignal
hSignal
Entries 991
Mean 532.1
RMS 171.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

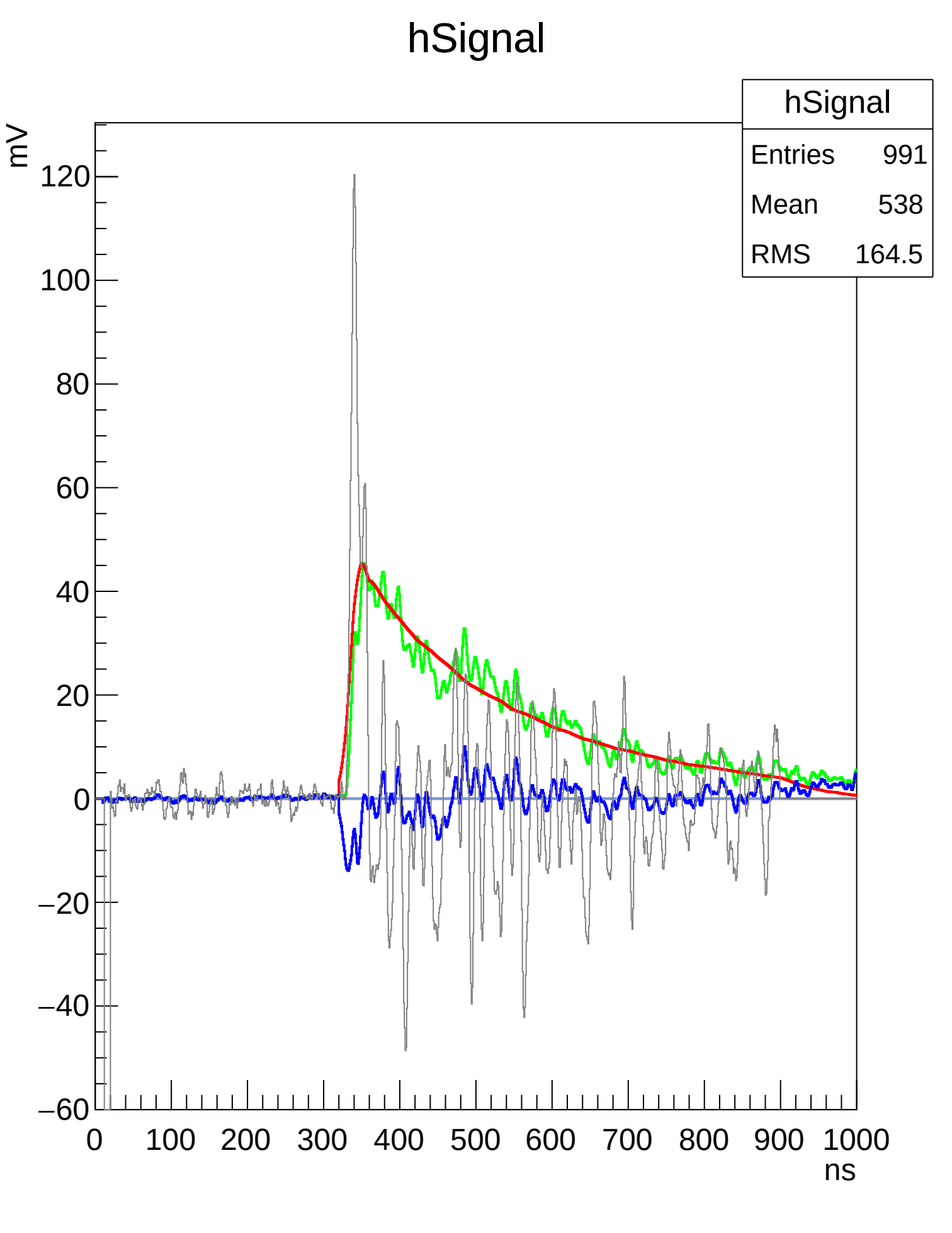

hSignal
hSignal
Entries 991
Mean 520.8
RMS 166
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

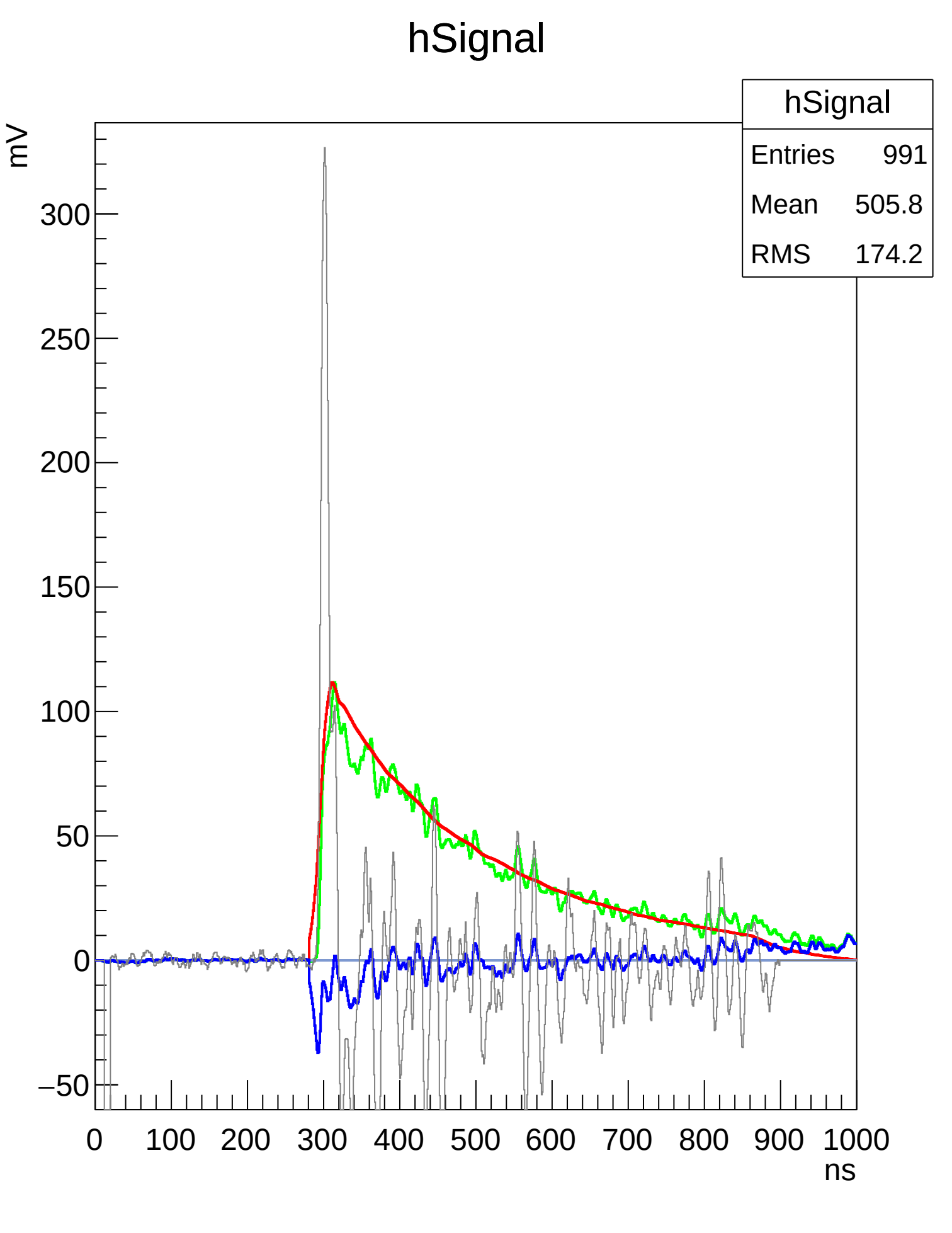

hSignal
hSignal
Entries 991
Mean 535.8
RMS 174.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

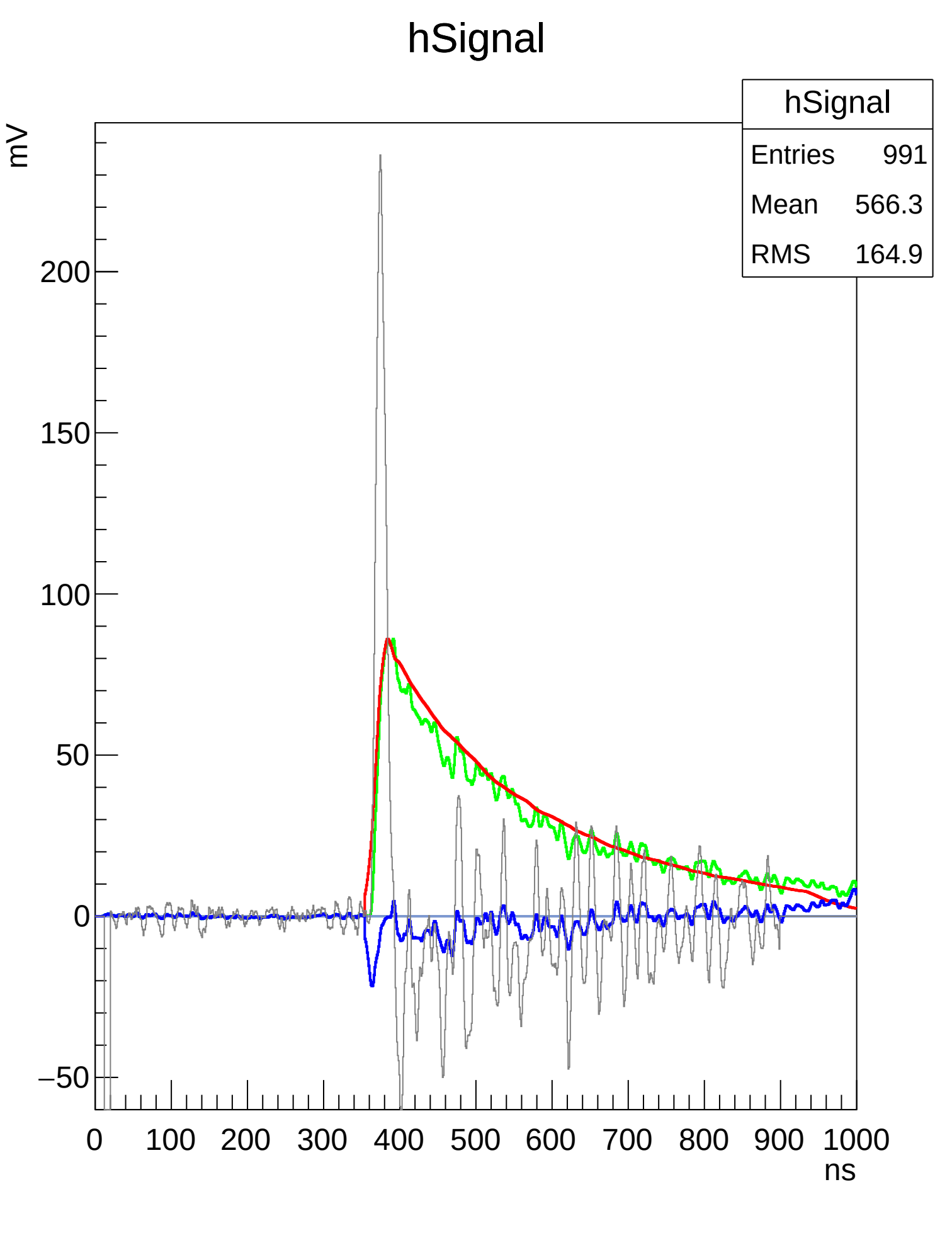

hSignal
hSignal
Entries 991
Mean 570.3
RMS 165.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

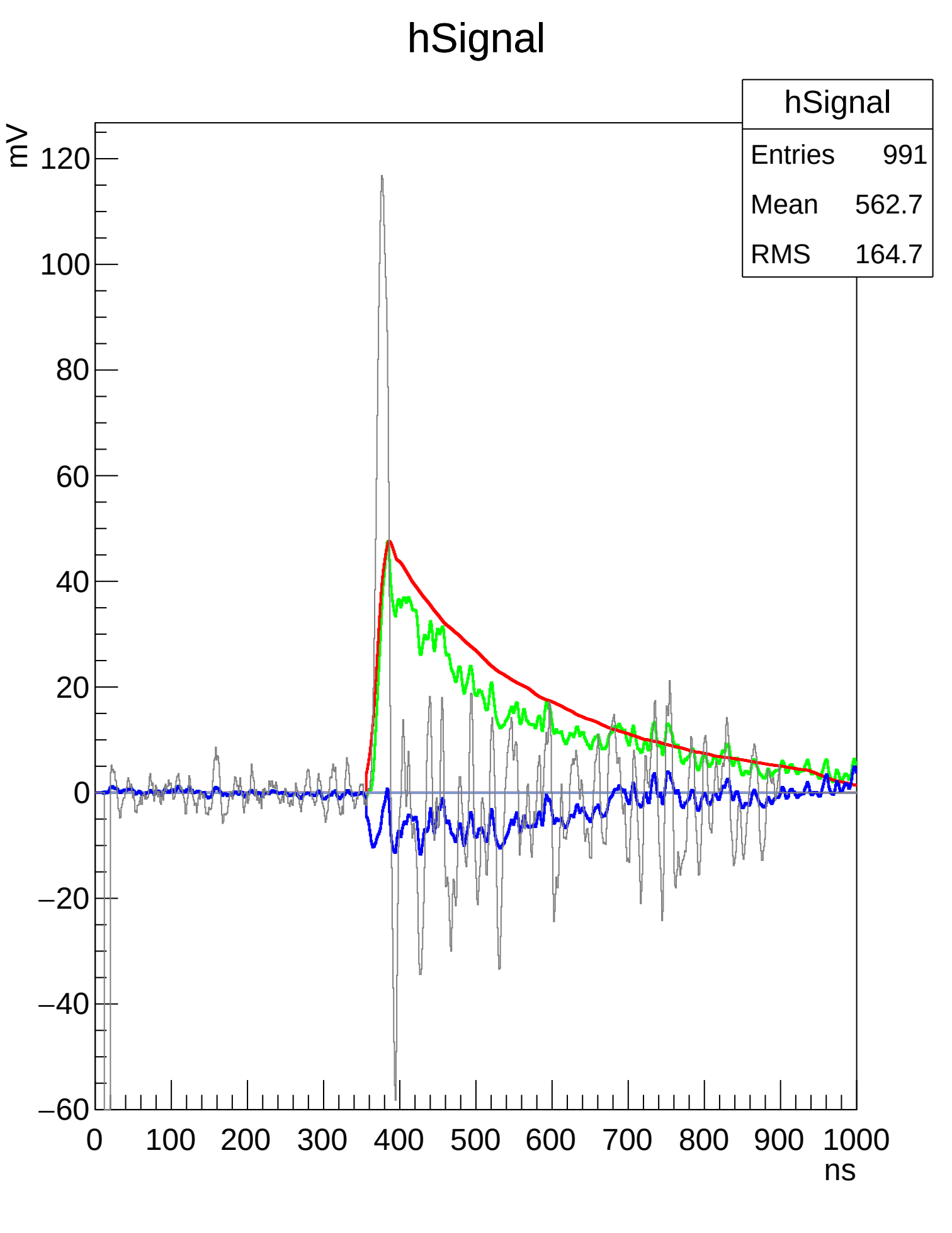

hSignal
hSignal
Entries 991
Mean 496.1
RMS 170.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

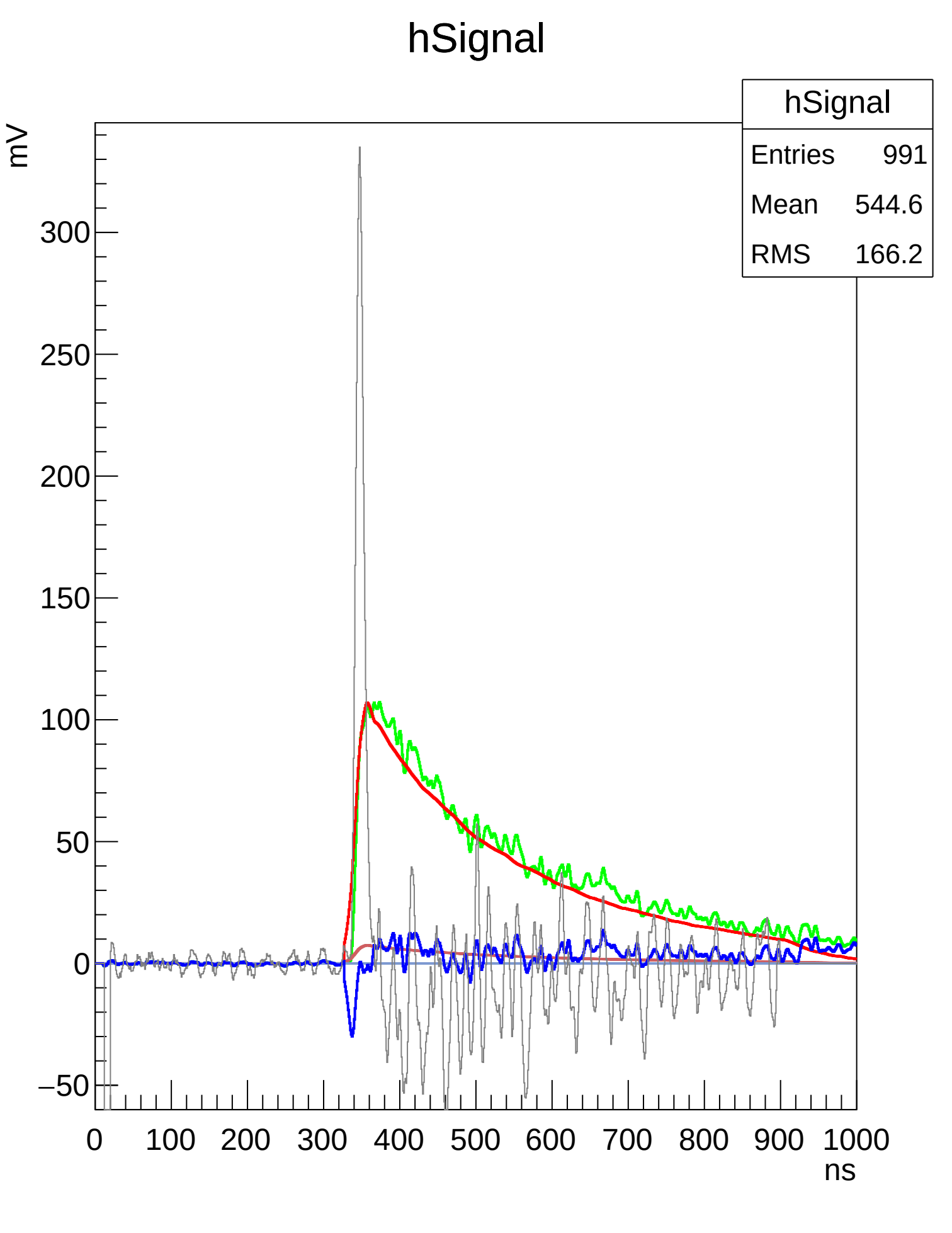

hSignal
hSignal
Entries 991
Mean 505.3
RMS 176.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

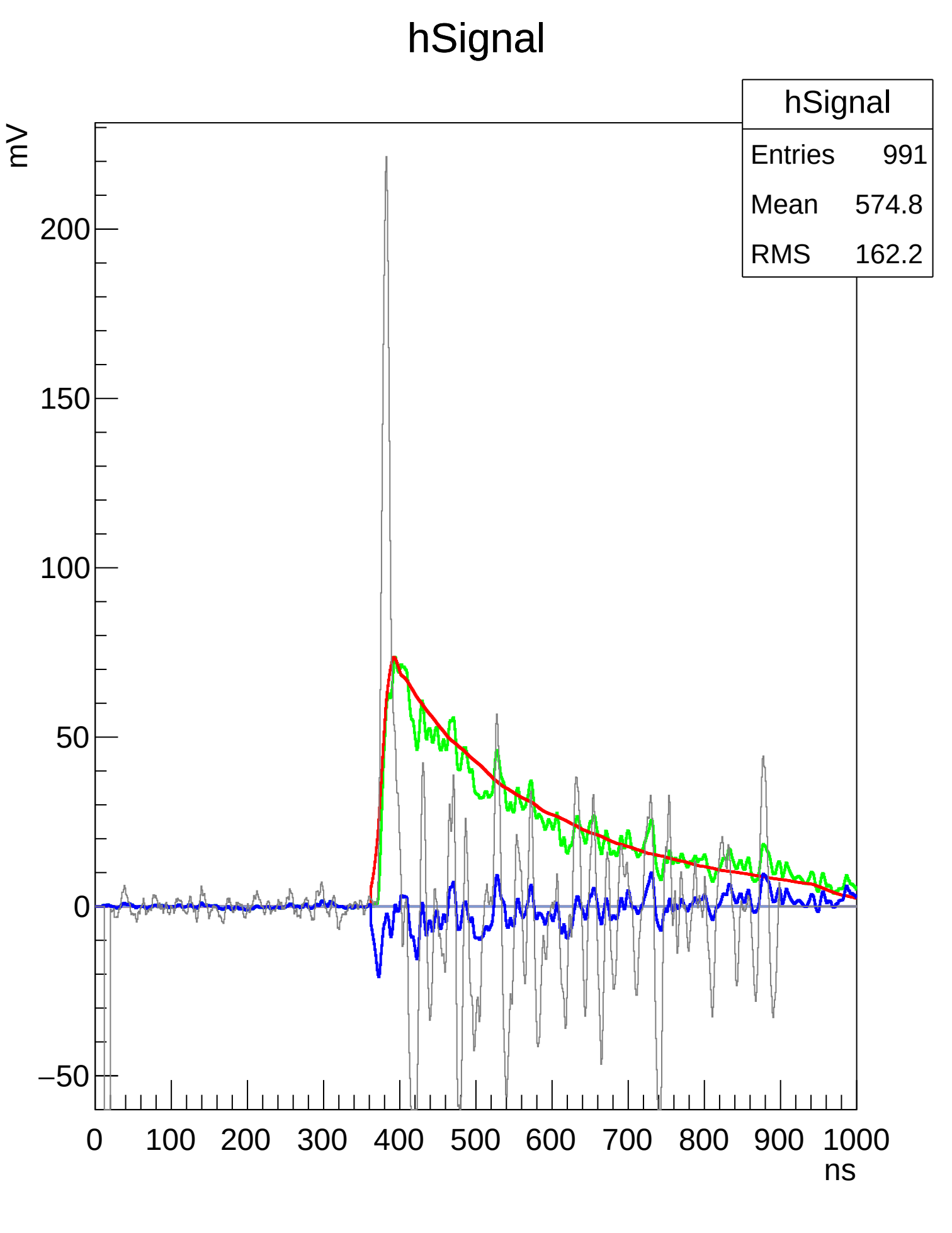

hSignal
hSignal
Entries 991
Mean 538
RMS 164.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

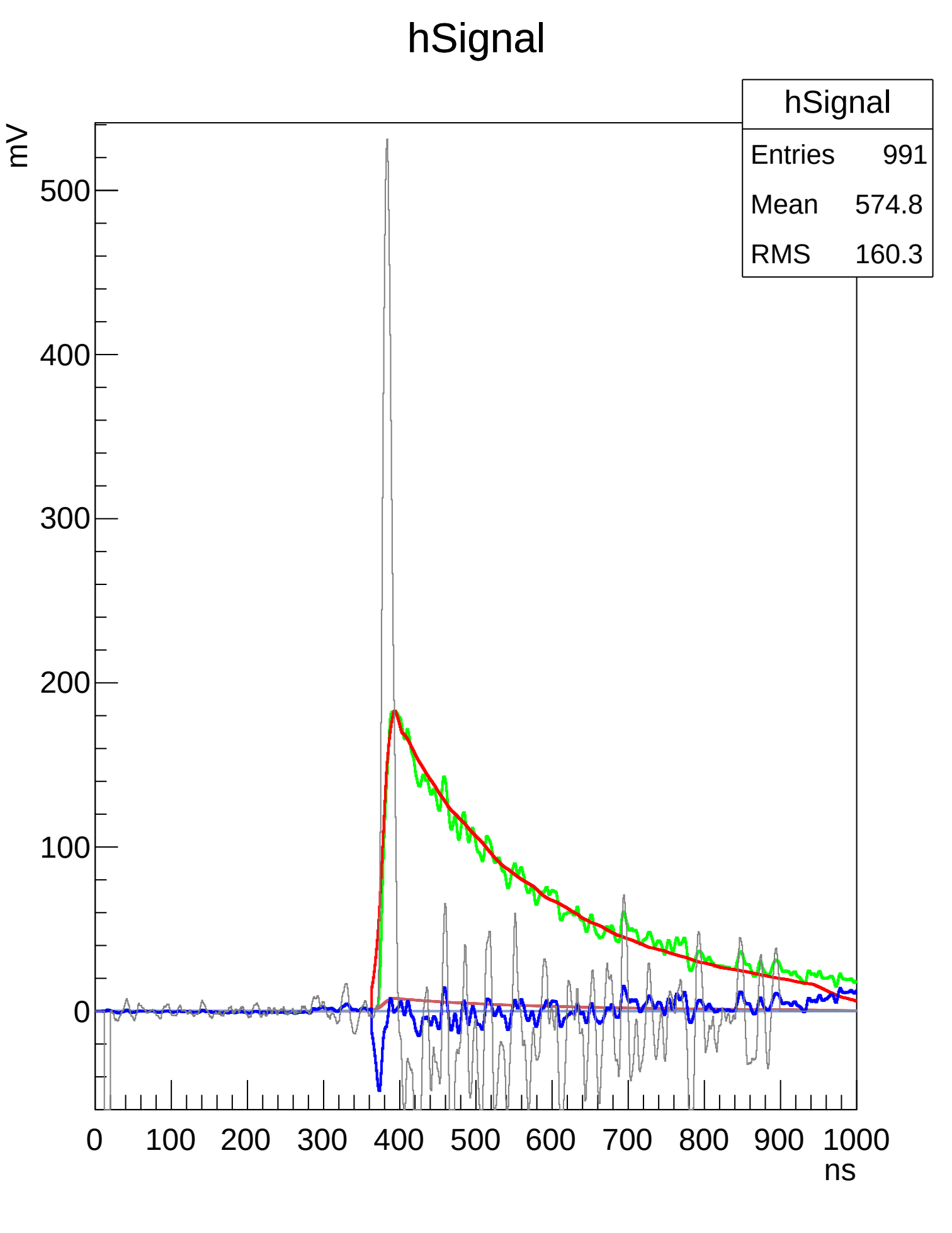

hSignal
hSignal
Entries 991
Mean 505.8
RMS 174.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

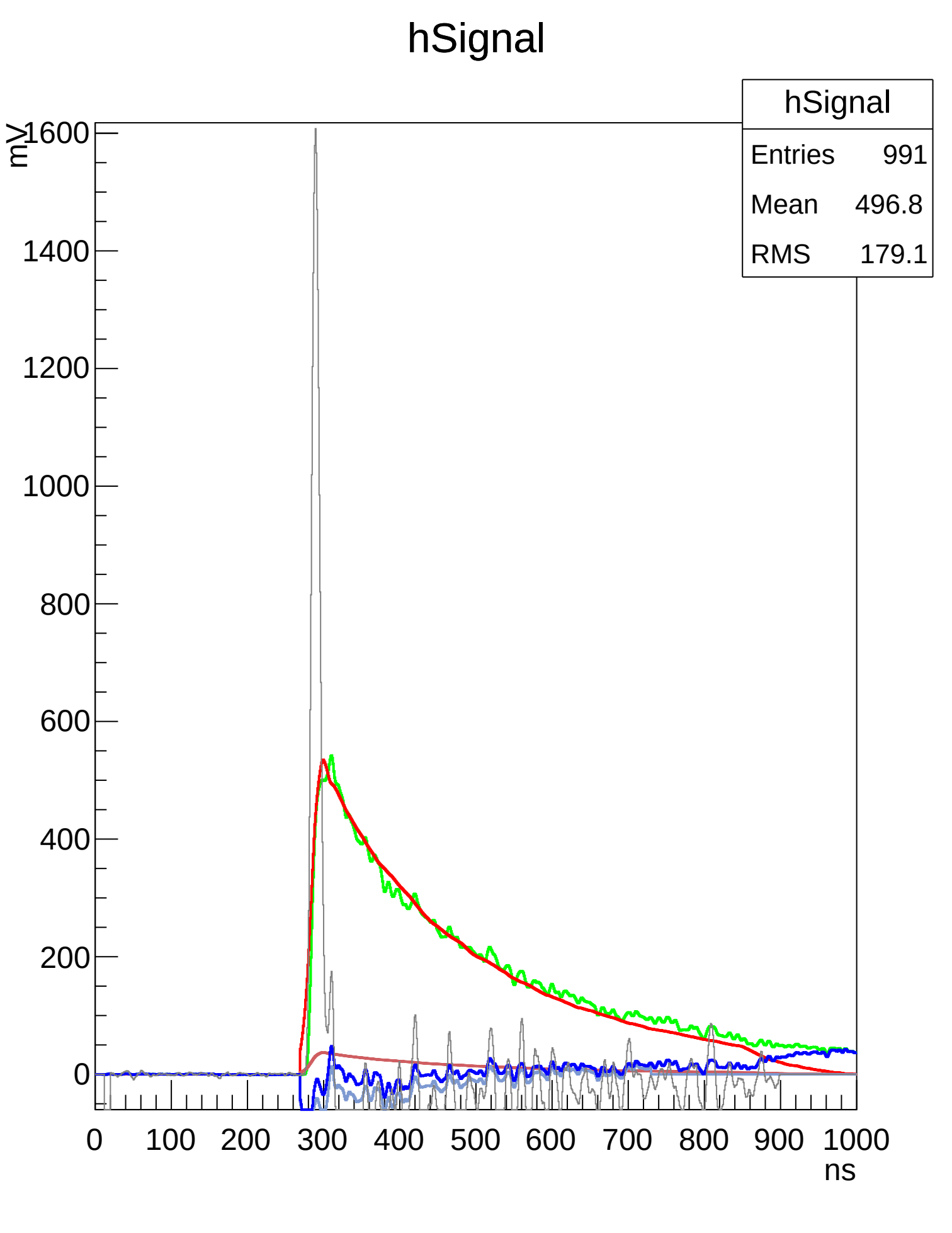

hSignal
hSignal
Entries 991
Mean 566.3
RMS 164.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

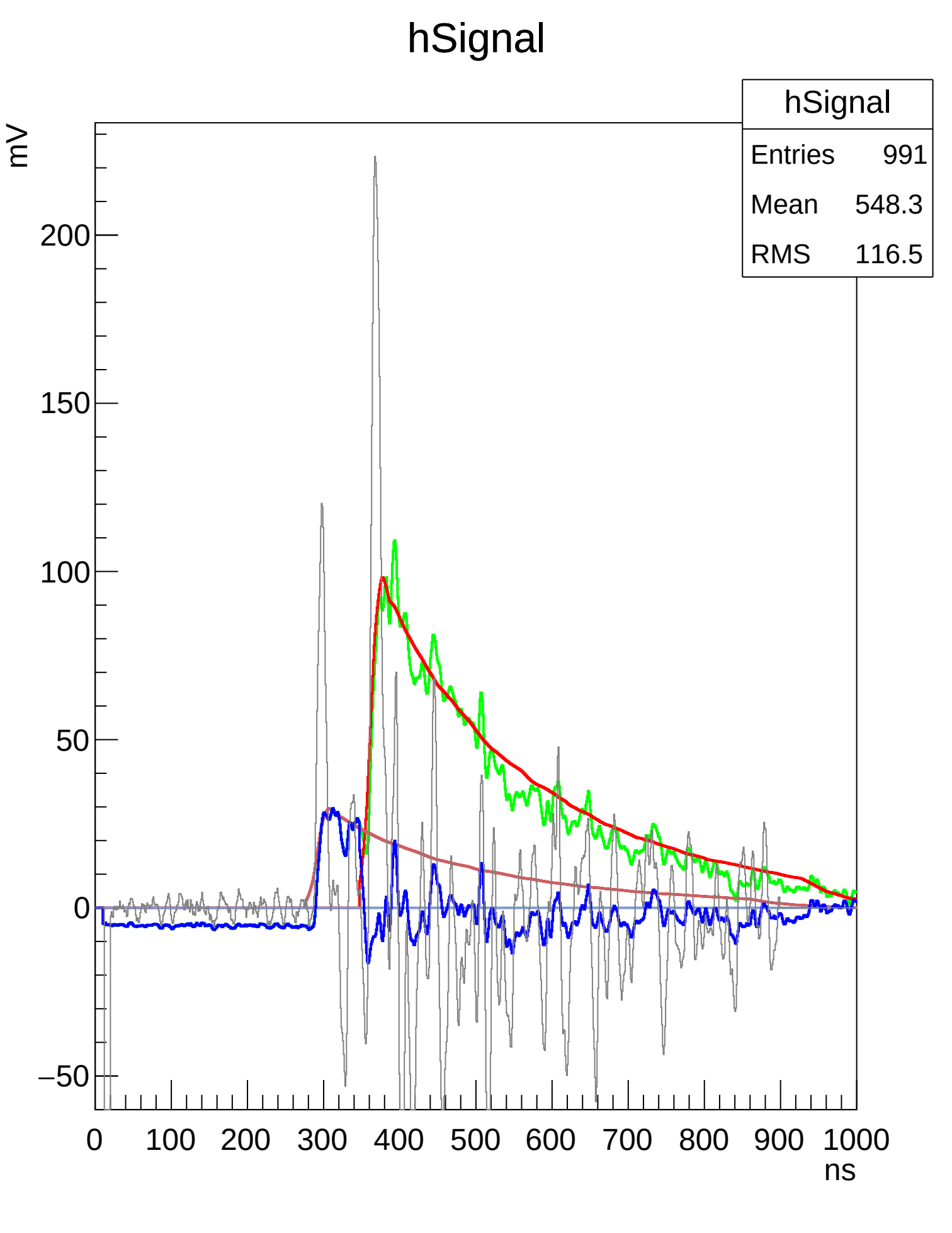

hSignal
hSignal
Entries 991
Mean 562.7
RMS 164.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

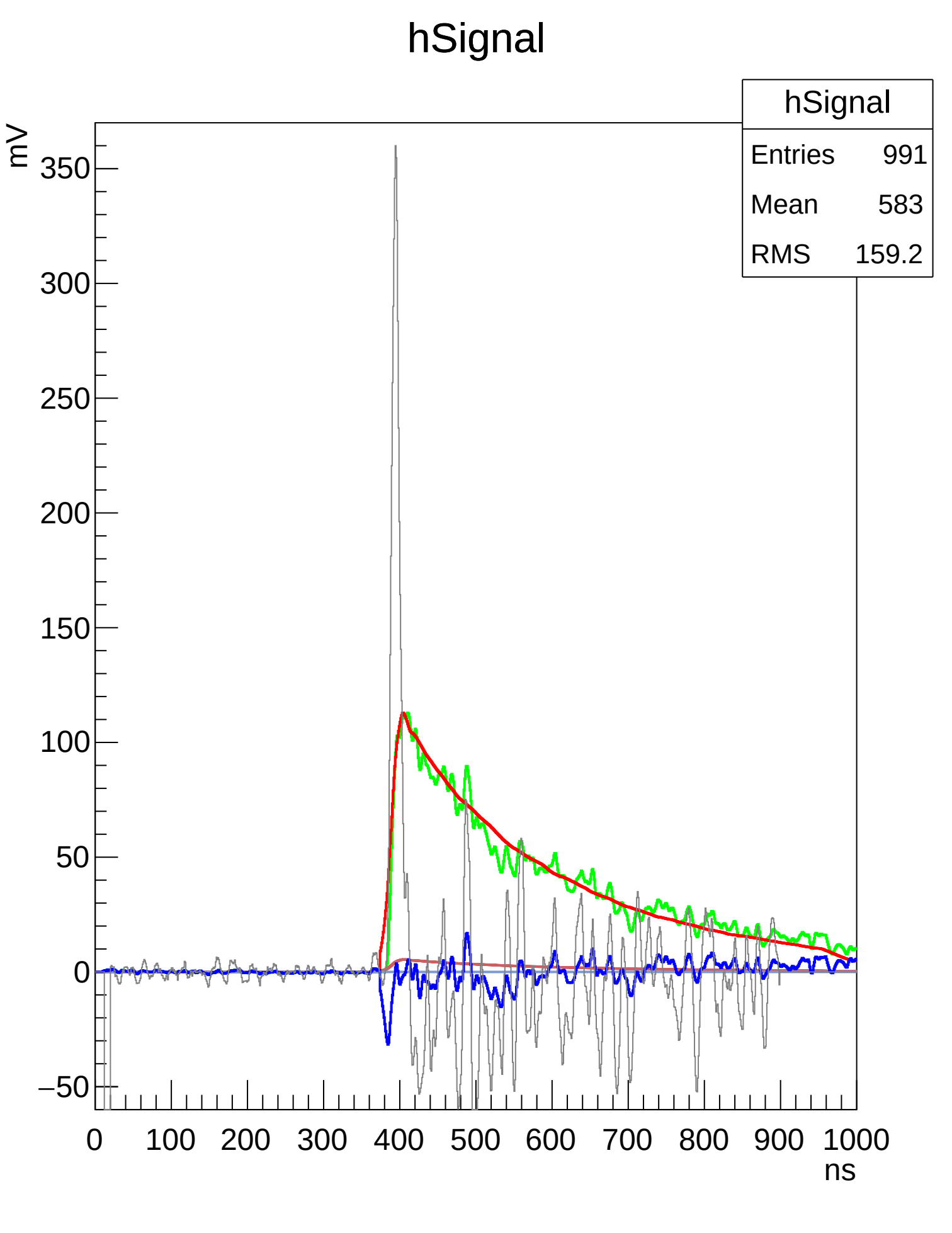

hSignal
hSignal
Entries 991
Mean 544.6
RMS 166.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

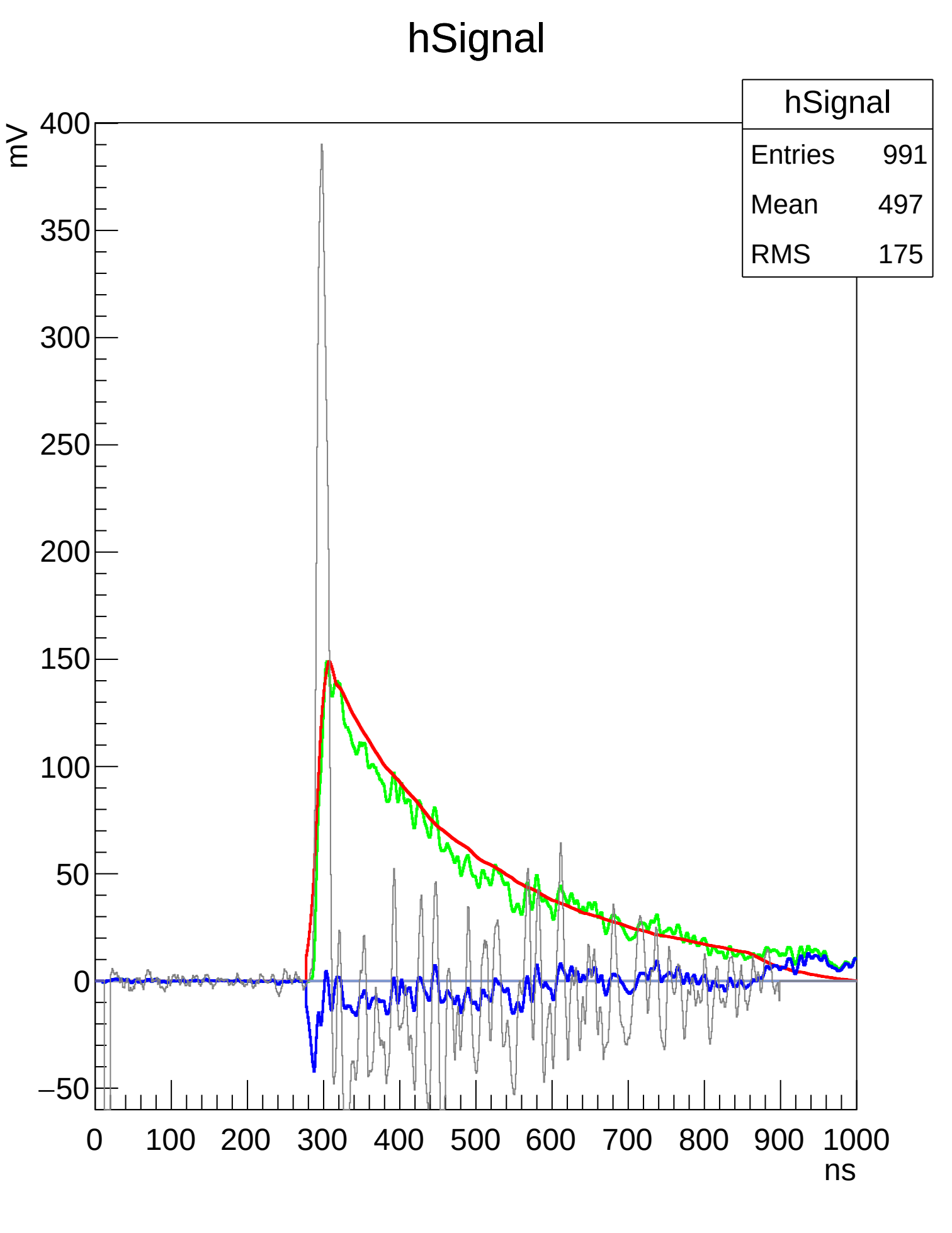

hSignal
hSignal
Entries 991
Mean 574.8
RMS 162.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

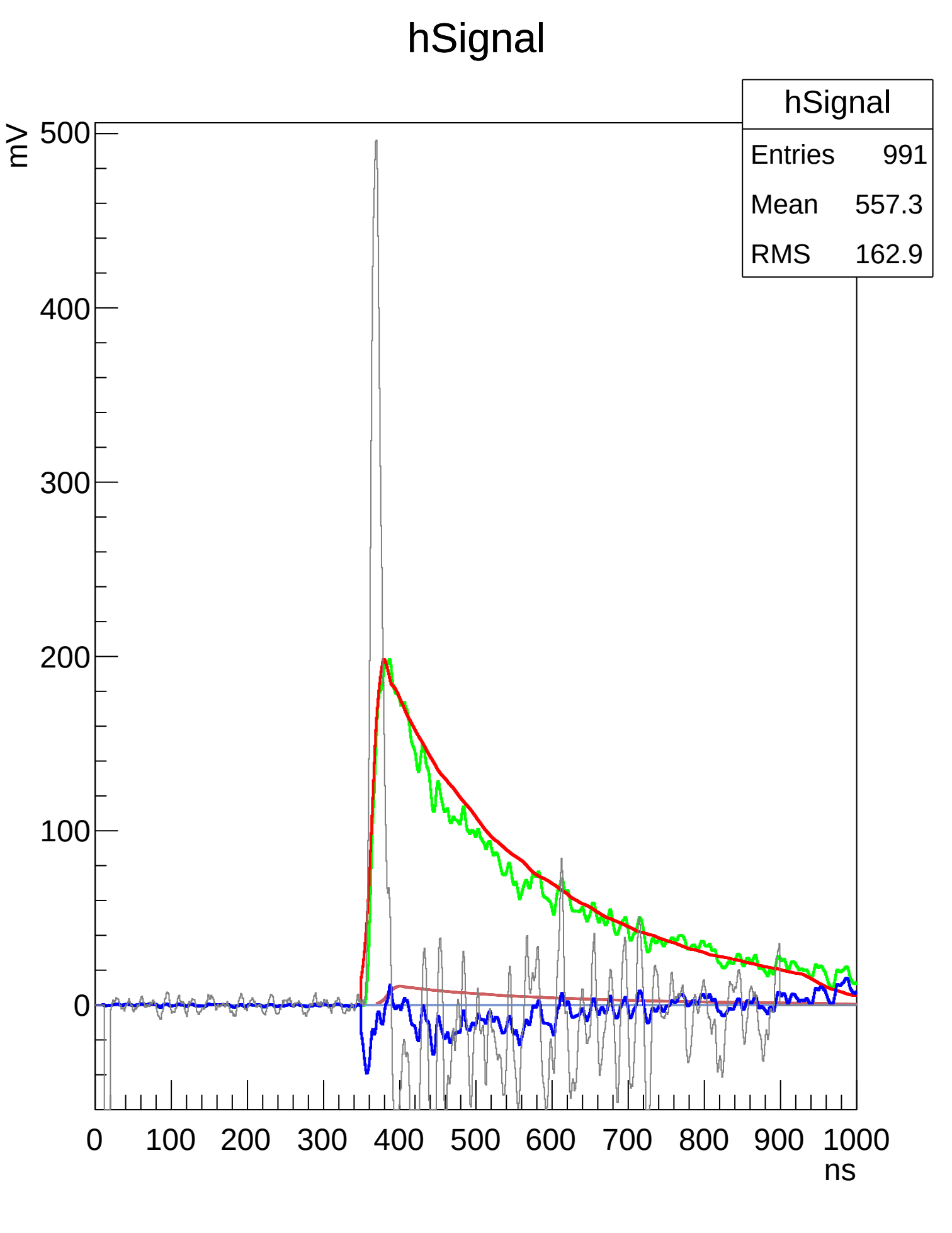

hSignal
hSignal
Entries 991
Mean 574.8
RMS 160.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

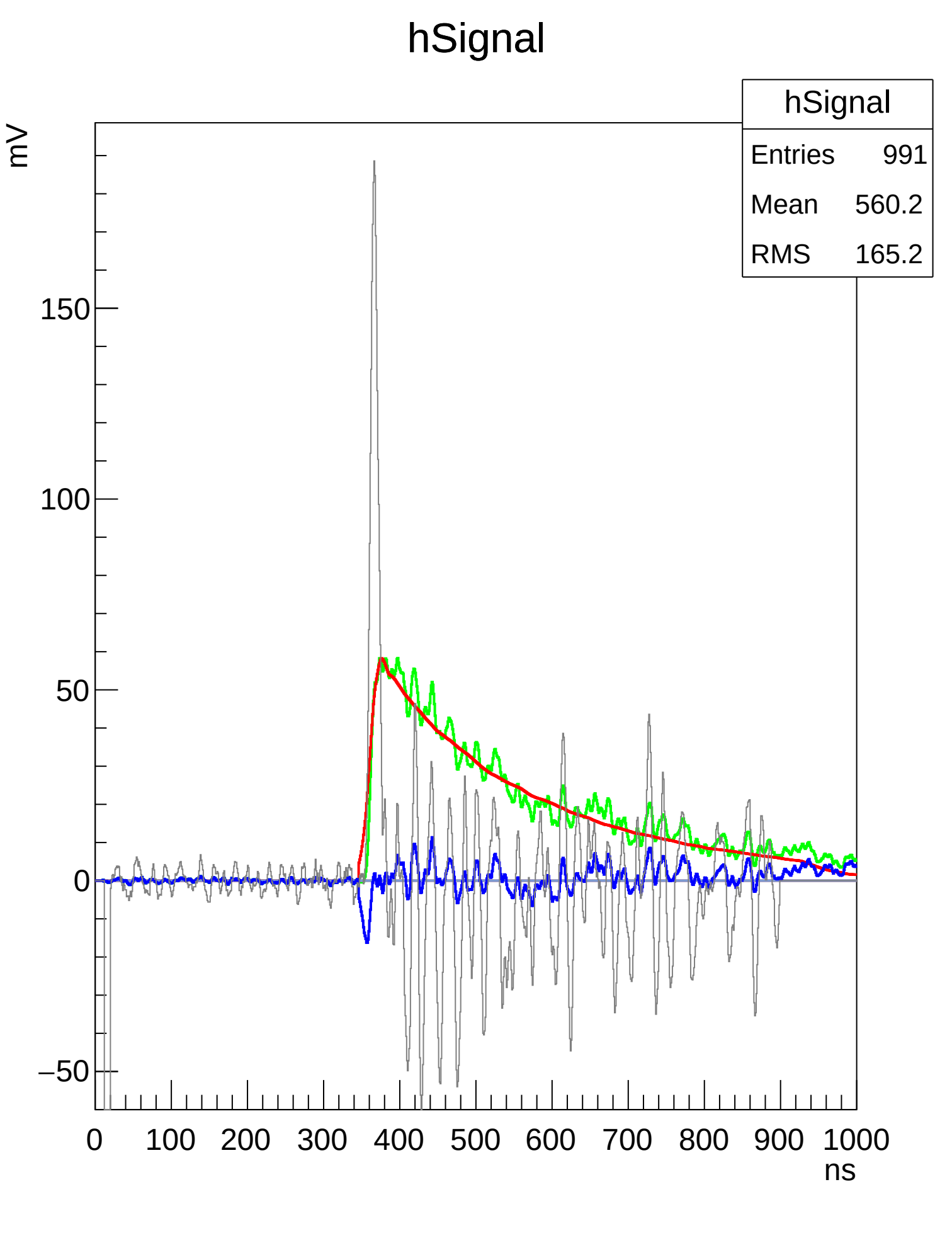

hSignal
hSignal
Entries 991
Mean 496.8
RMS 179.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

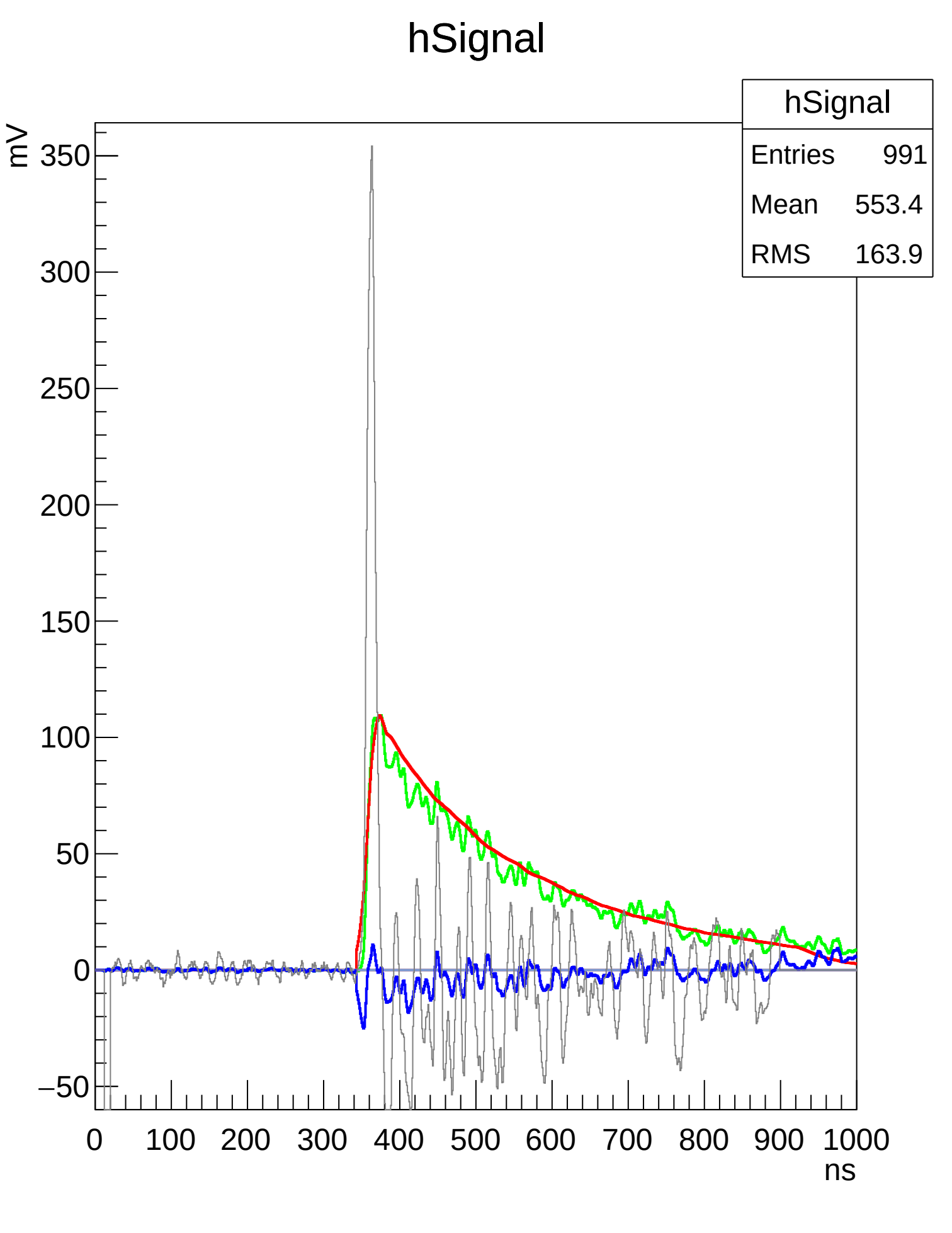

hSignal
hSignal
Entries 991
Mean 548.3
RMS 116.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

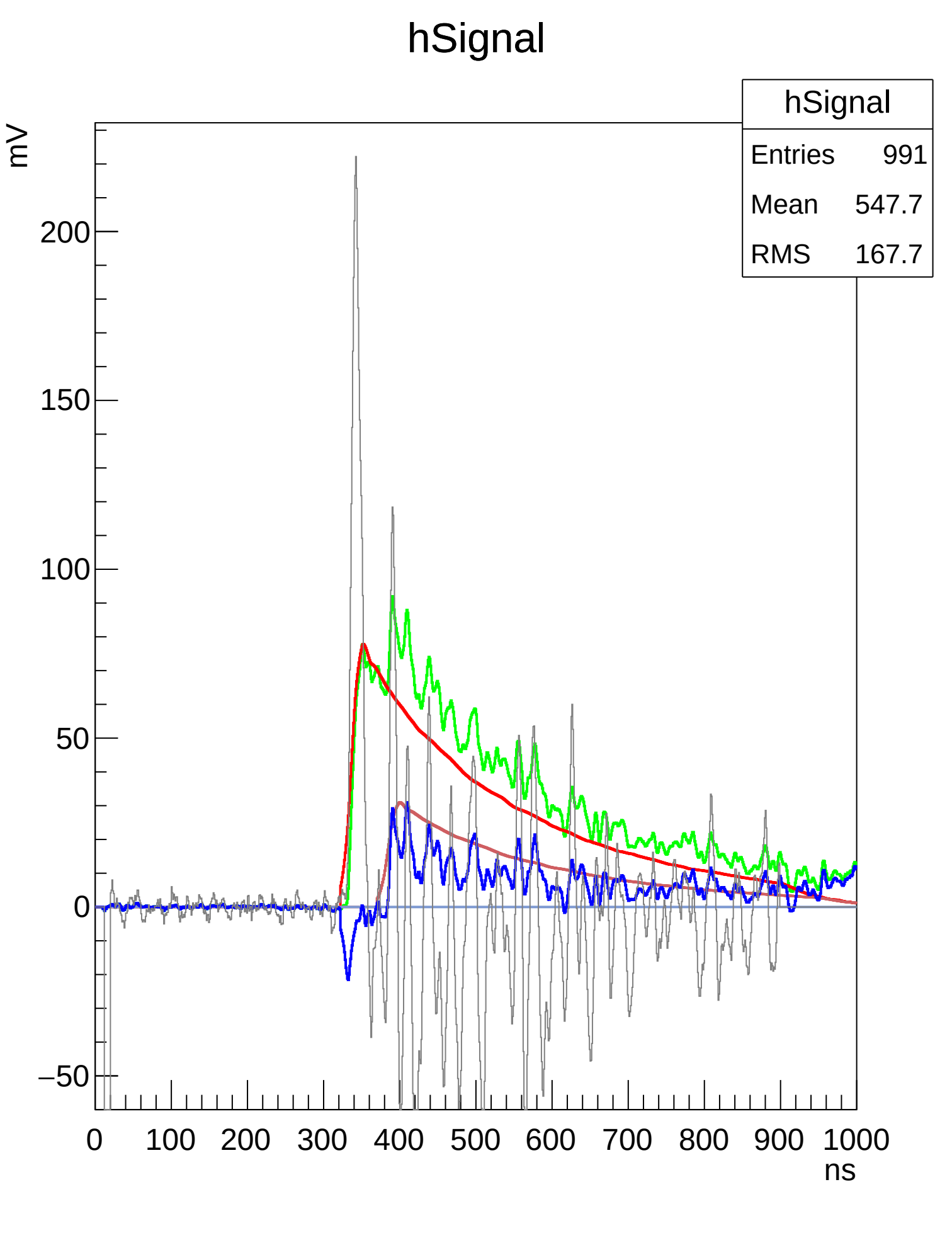

hSignal
hSignal
Entries 991
Mean 583
RMS 159.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

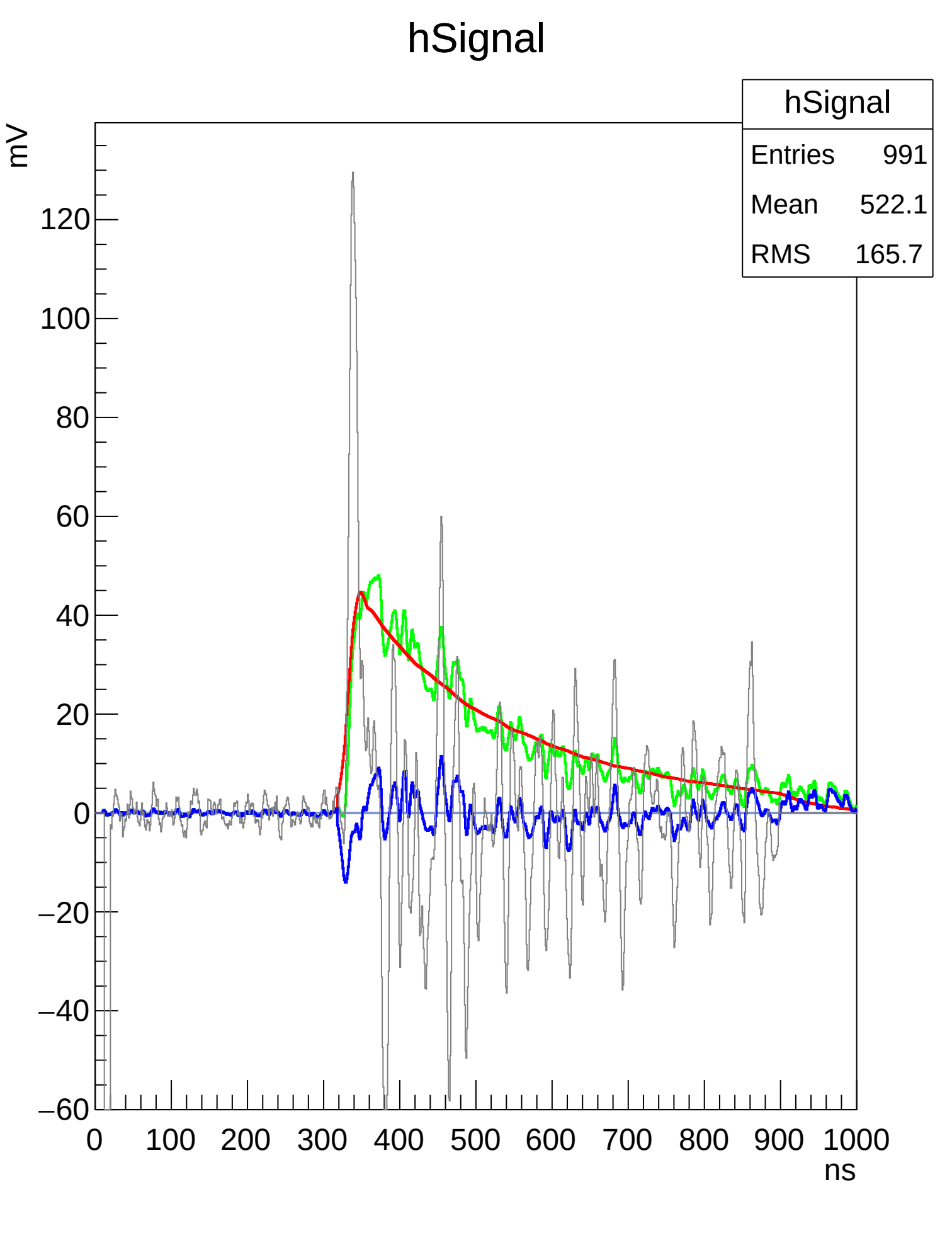

hSignal
hSignal
Entries 991
Mean 497
RMS 175
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

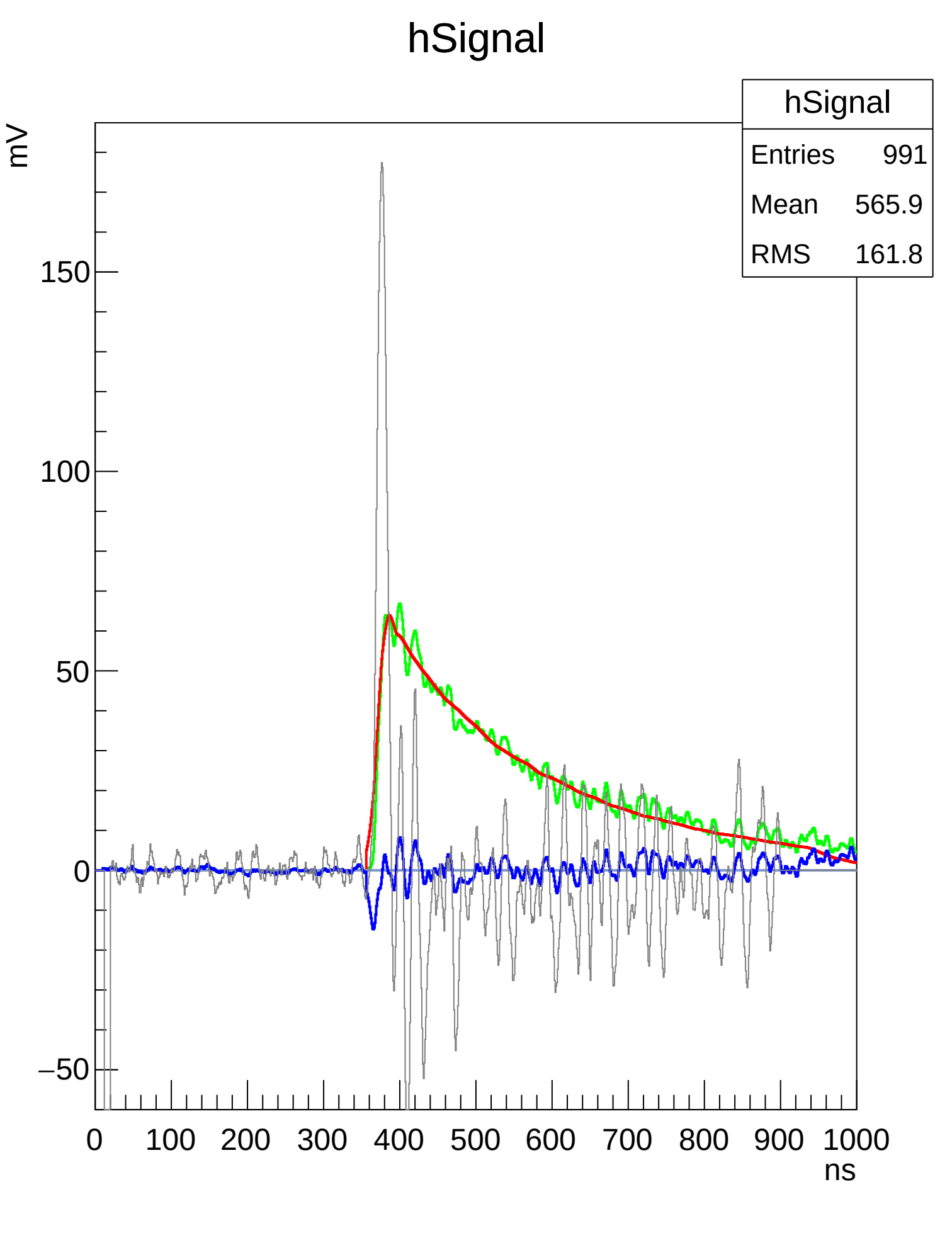

hSignal
hSignal
Entries 991
Mean 557.3
RMS 162.9
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

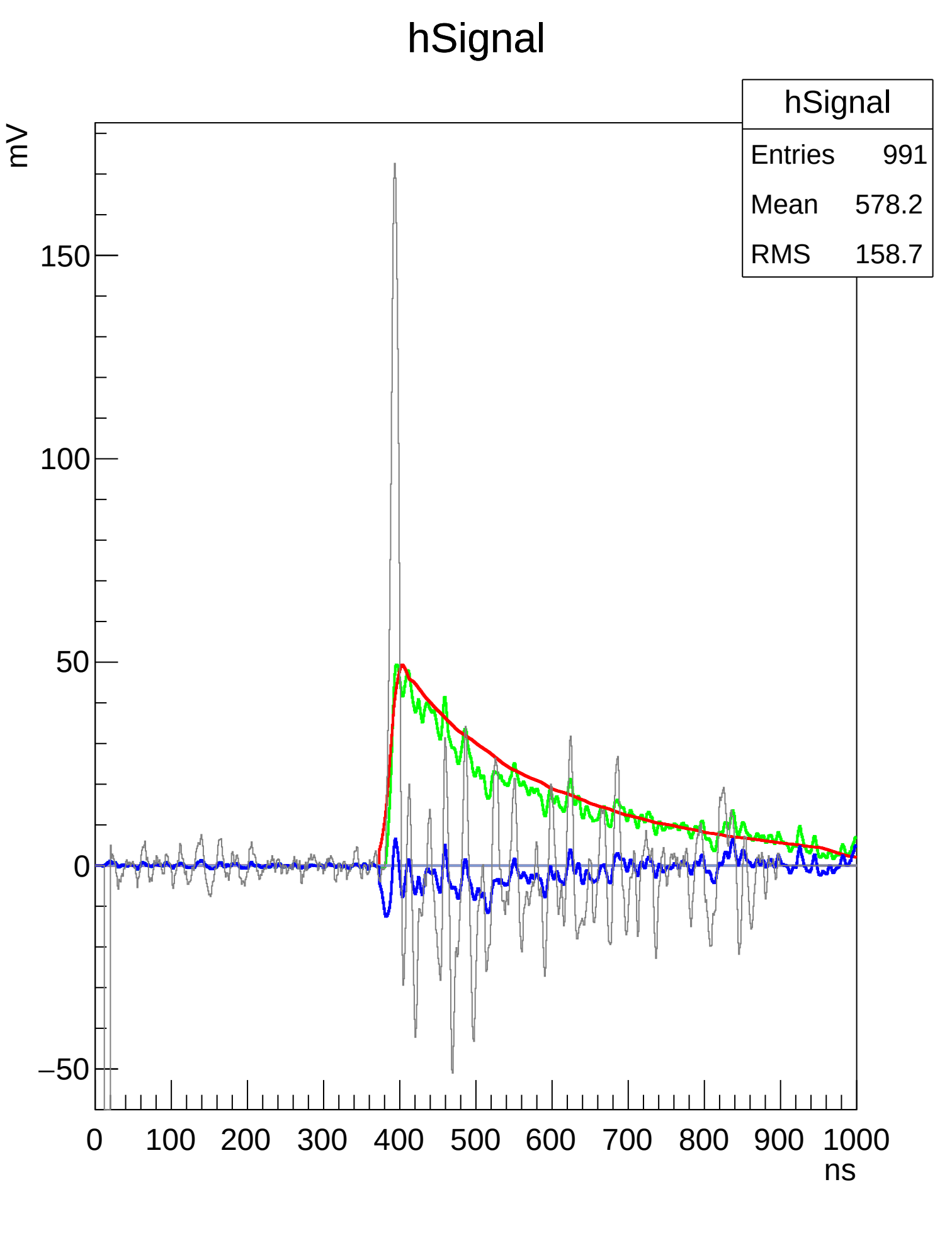

hSignal
hSignal
Entries 991
Mean 560.2
RMS 165.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

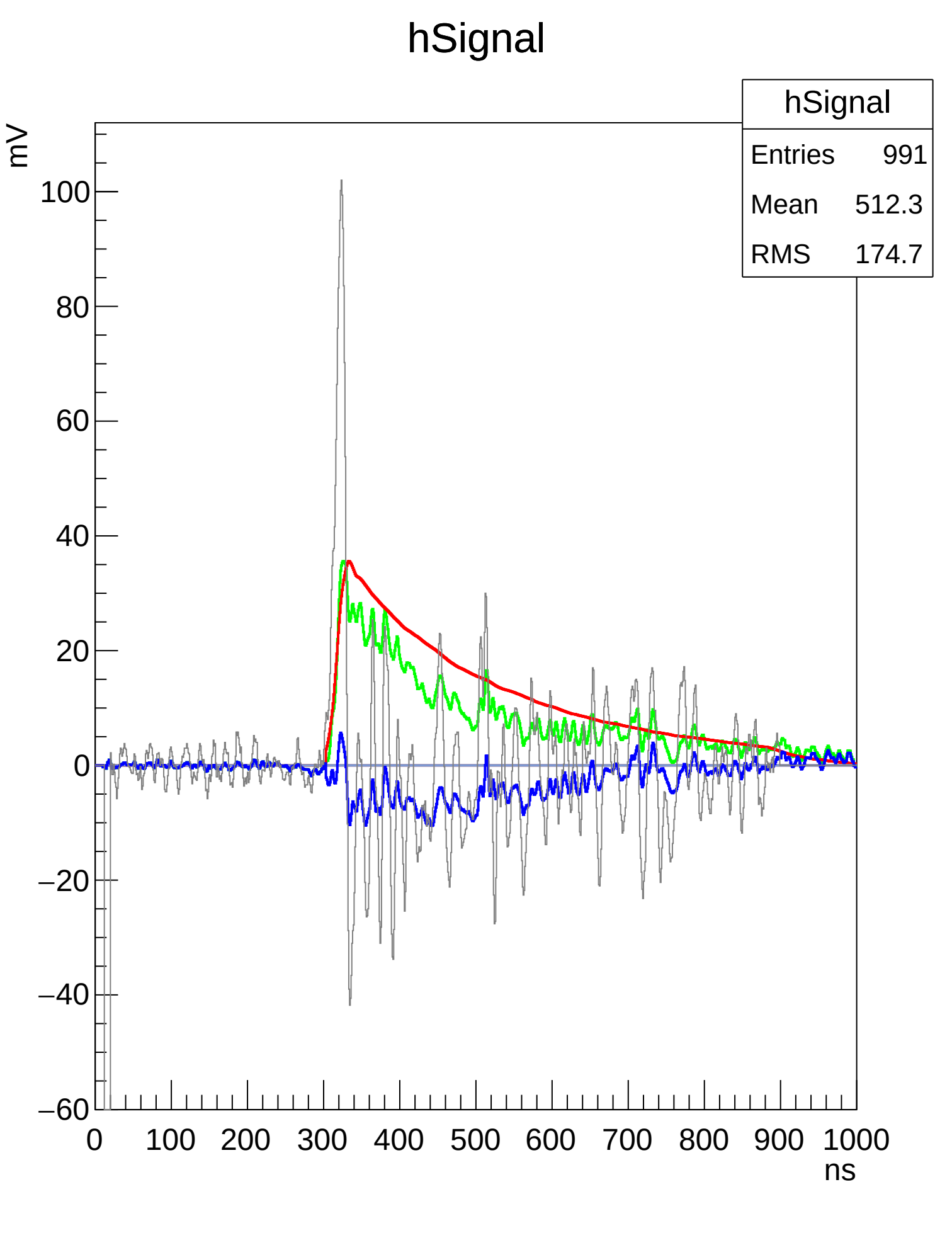

hSignal
hSignal
Entries 991
Mean 553.4
RMS 163.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

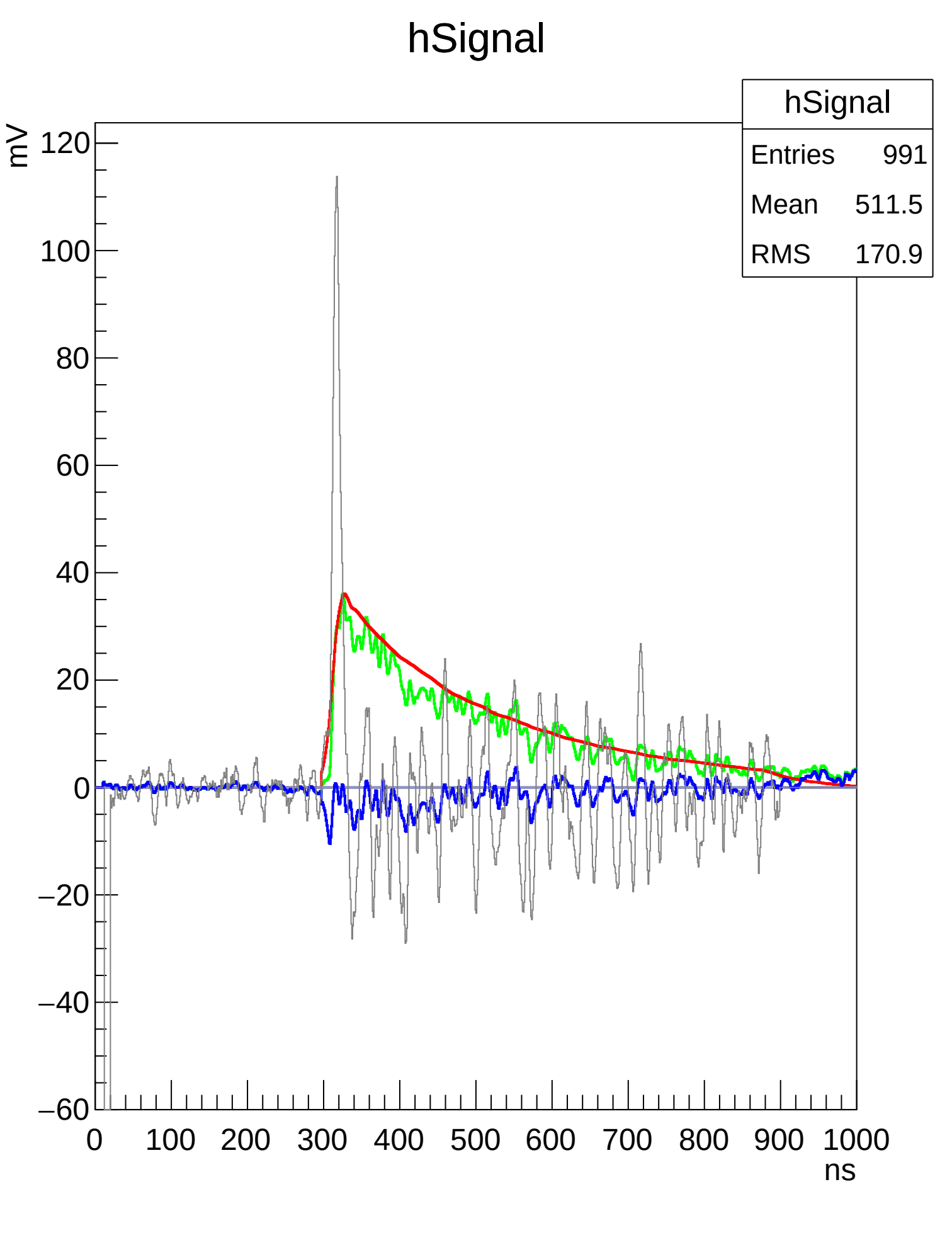

hSignal
hSignal
Entries 991
Mean 547.7
RMS 167.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

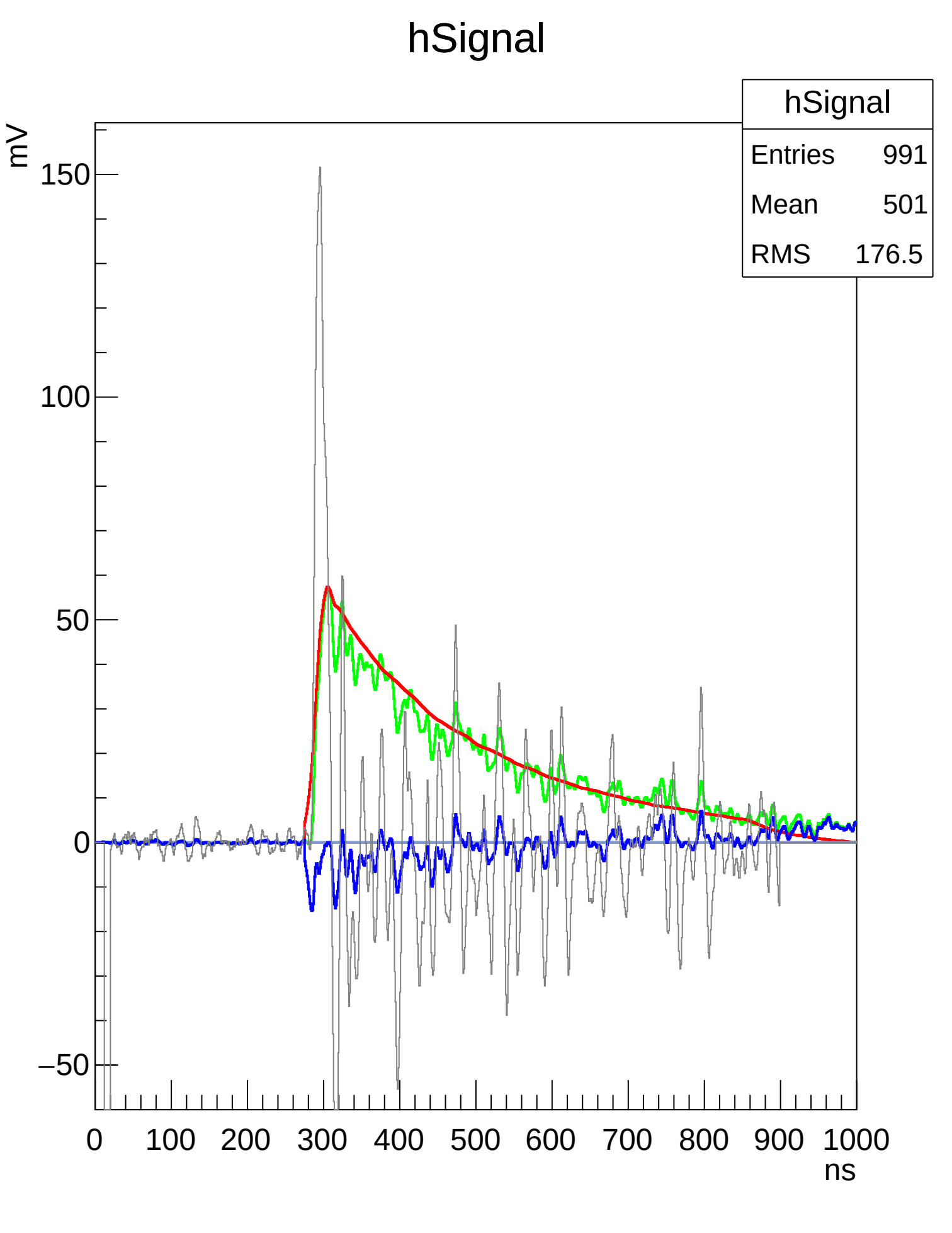

hSignal
hSignal
Entries 991
Mean 522.1
RMS 165.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

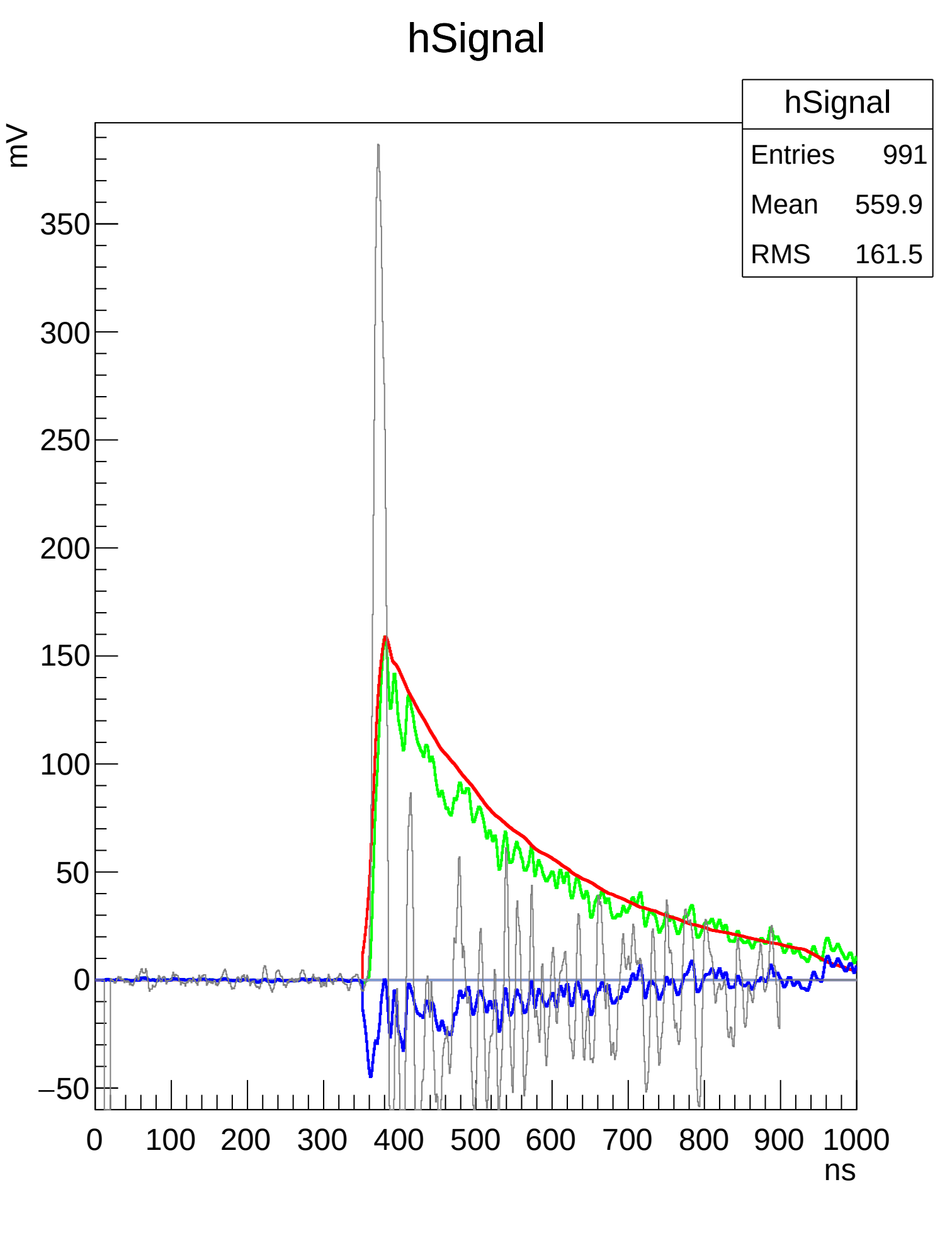

hSignal
hSignal
Entries 991
Mean 565.9
RMS 161.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

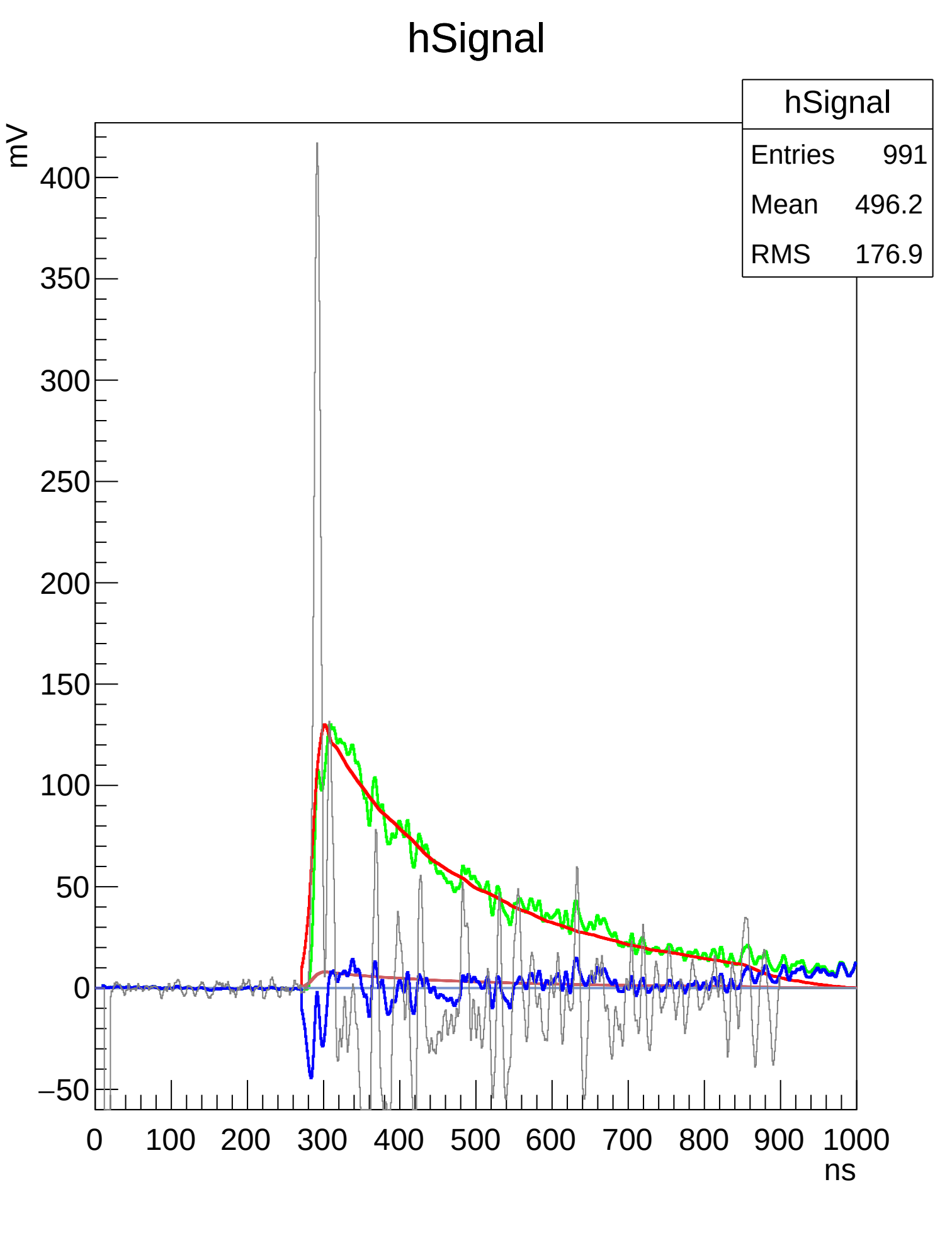

hSignal
hSignal
Entries 991
Mean 578.2
RMS 158.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

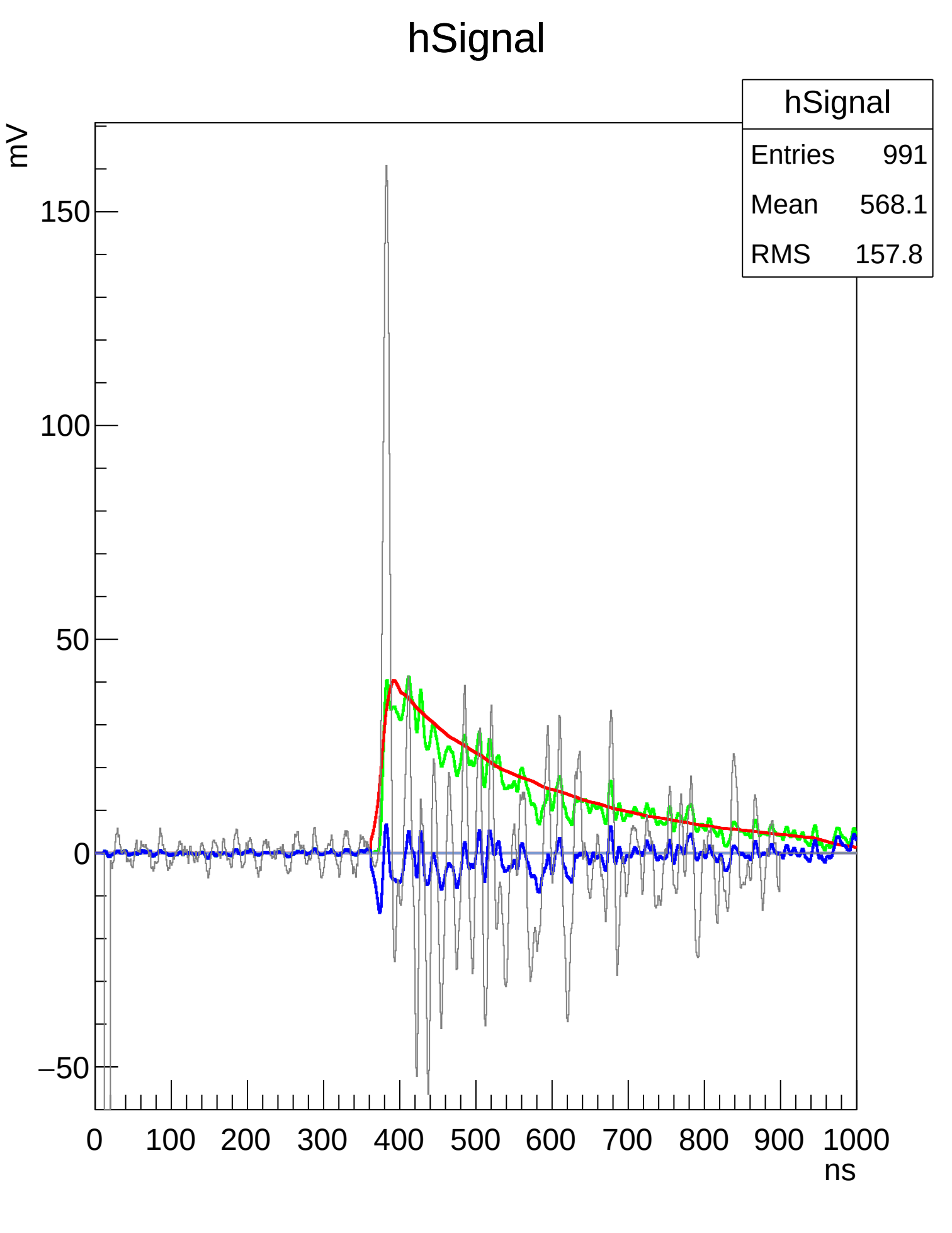

hSignal
hSignal
Entries 991
Mean 512.3
RMS 174.7
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

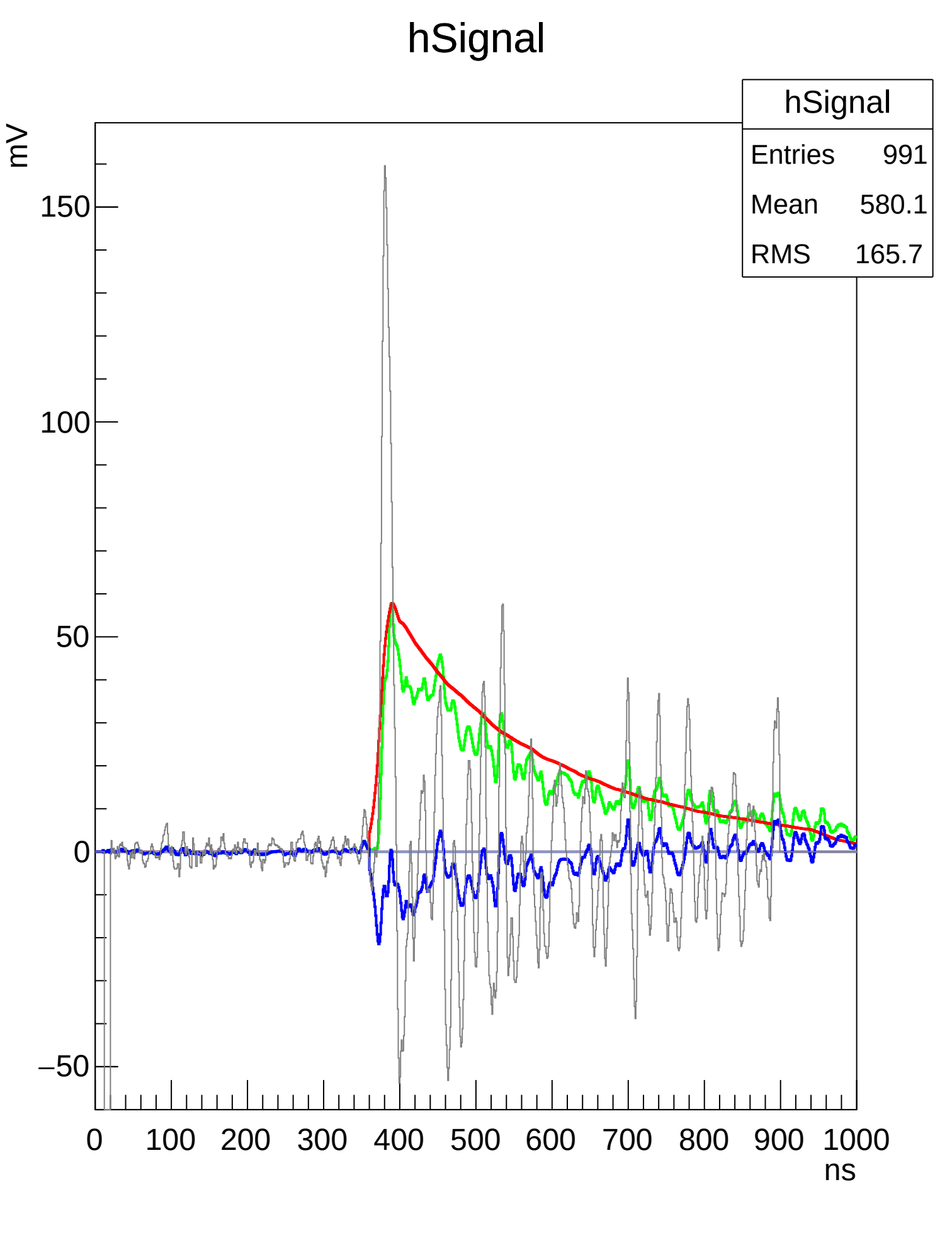

hSignal
hSignal
Entries 991
Mean 511.5
RMS 170.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

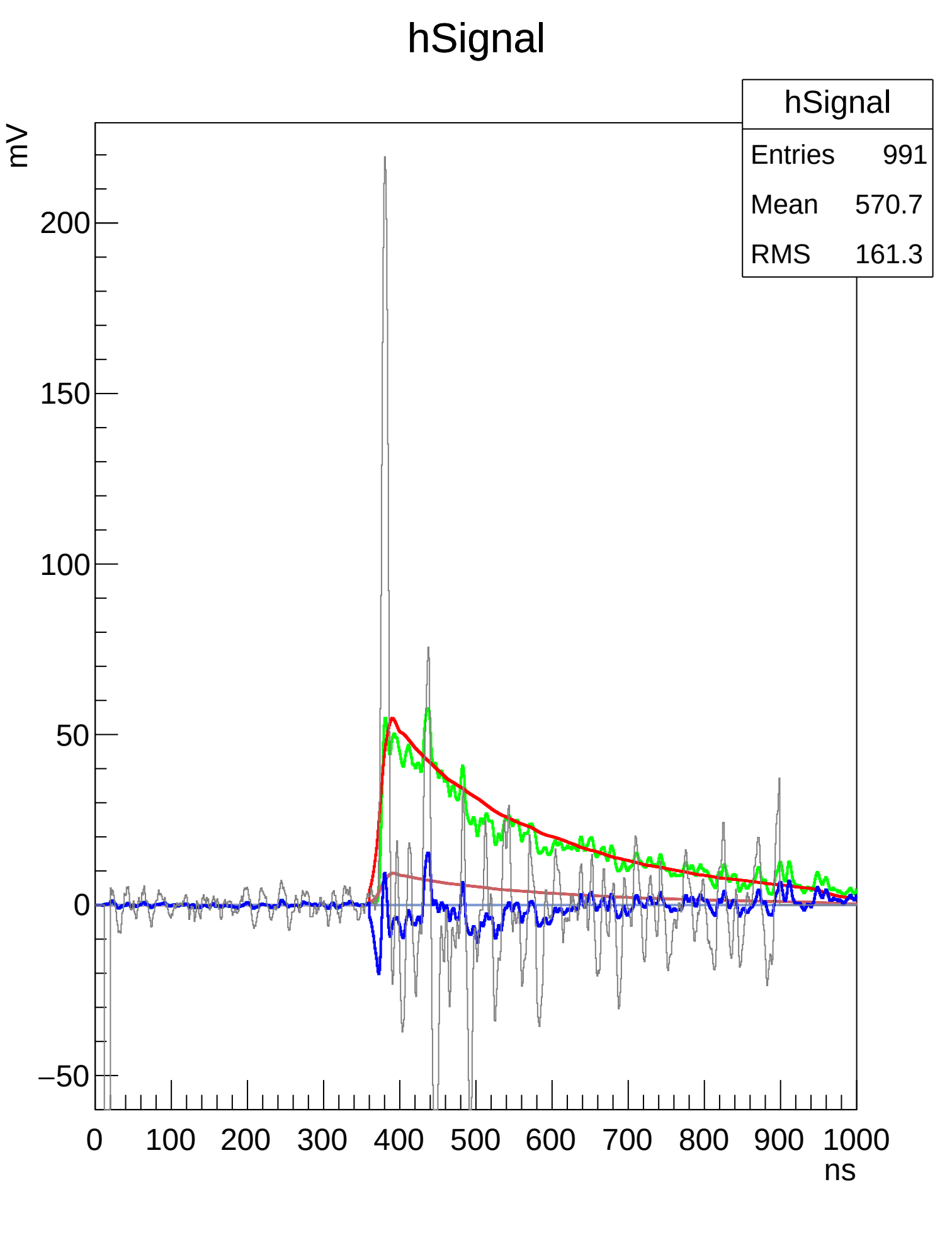

hSignal
hSignal
Entries 991
Mean 501
RMS 176.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

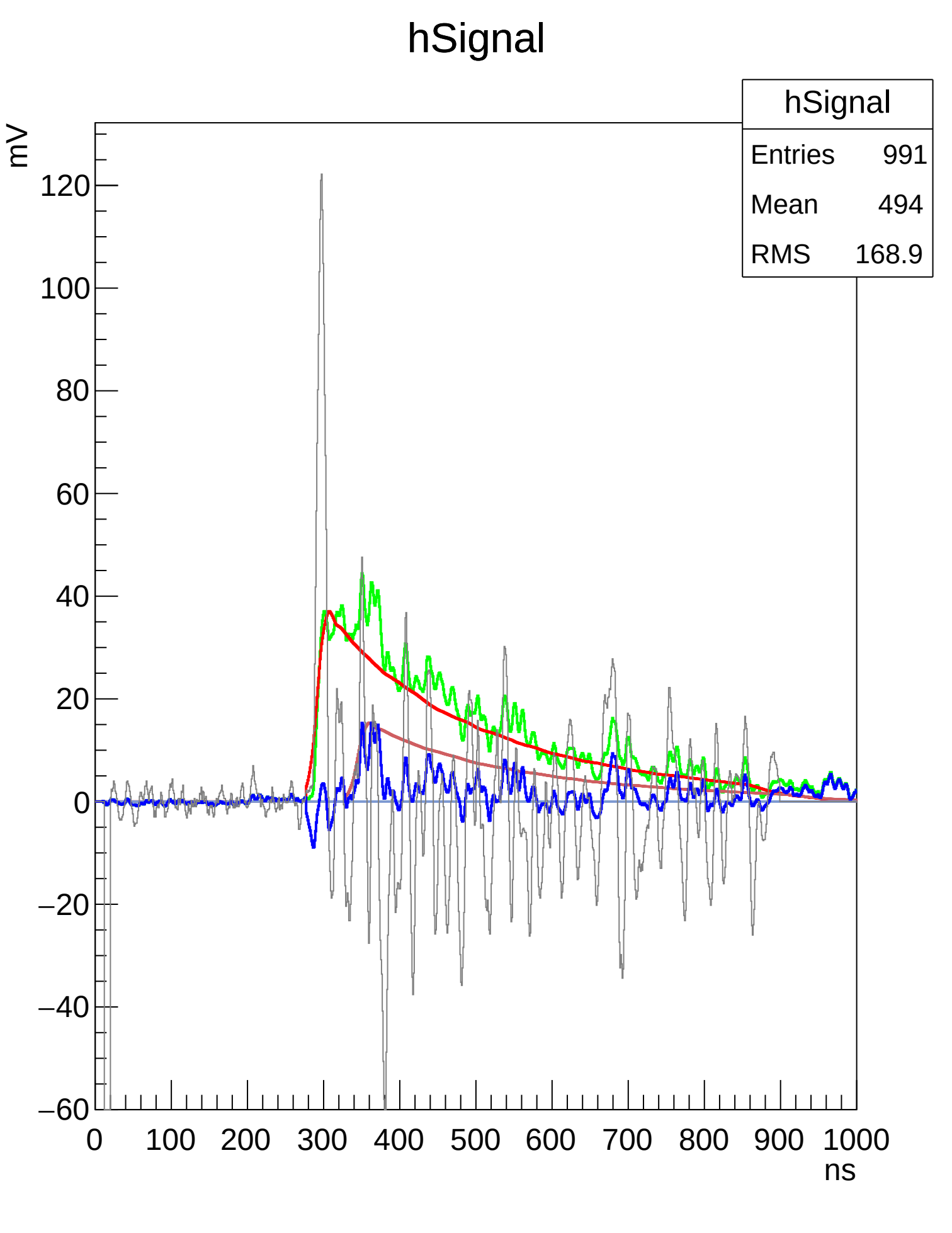

hSignal
hSignal
Entries 991
Mean 559.9
RMS 161.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

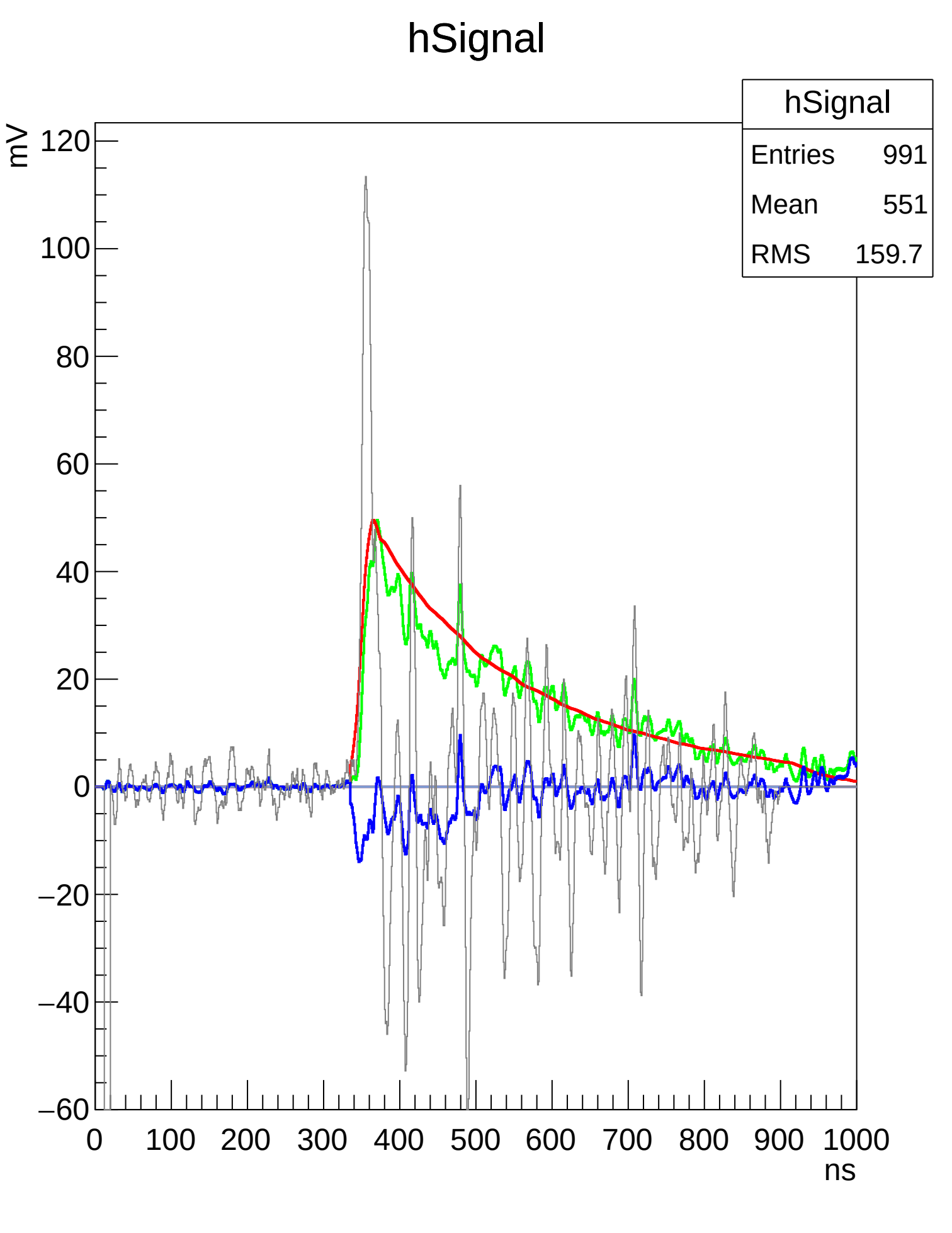

hSignal
hSignal
Entries 991
Mean 496.2
RMS 176.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

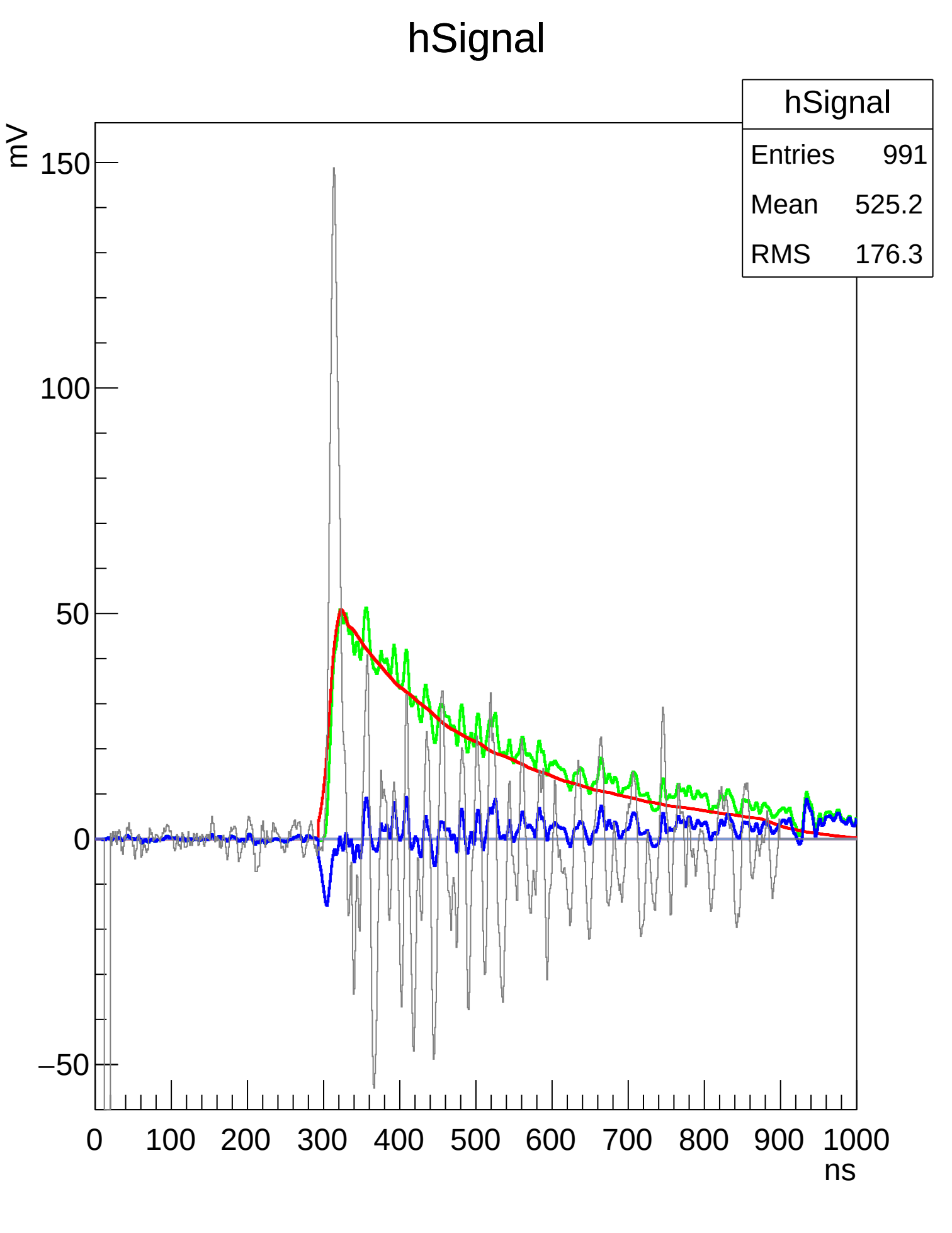

hSignal
hSignal
Entries 991
Mean 568.1
RMS 157.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

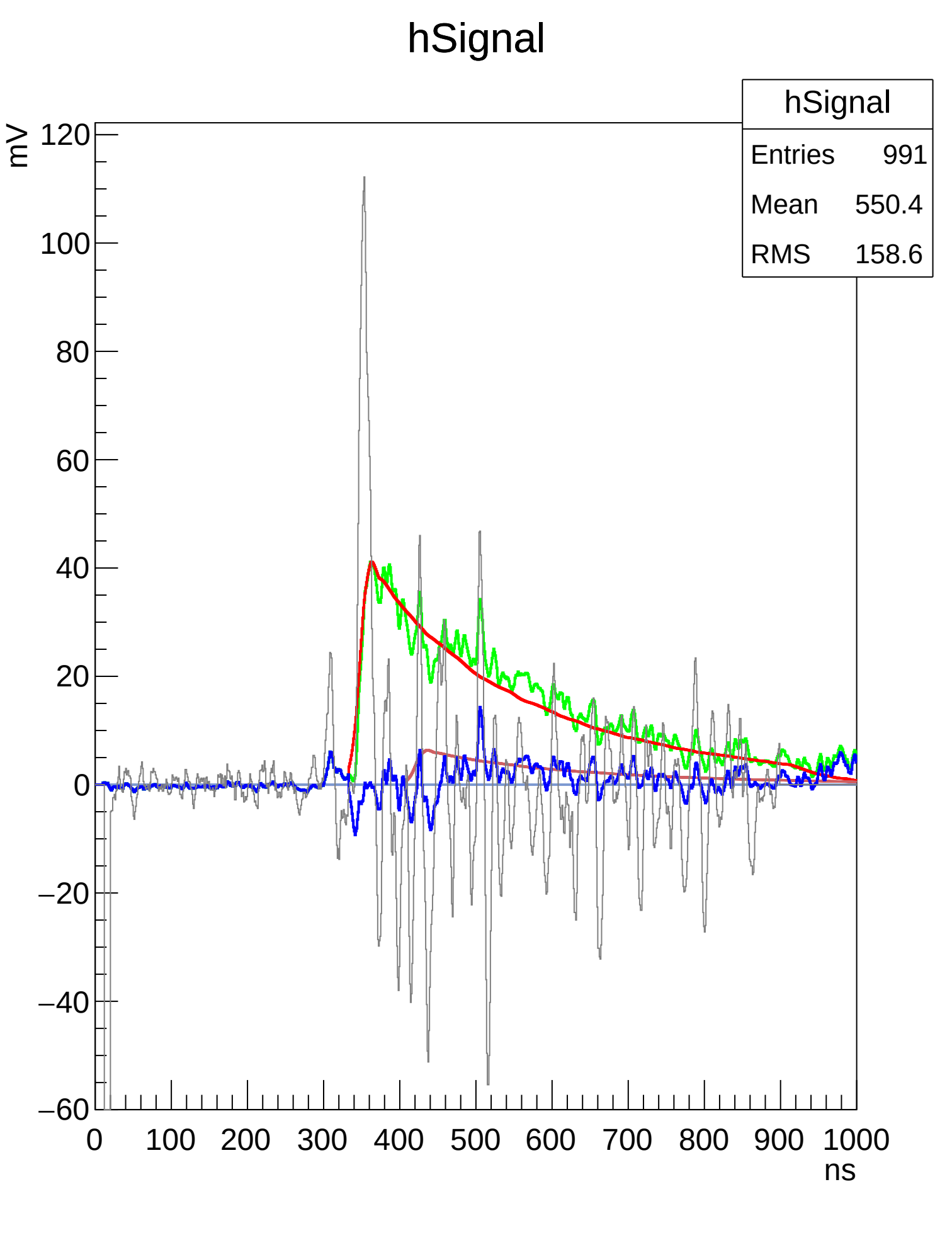

hSignal
hSignal
Entries 991
Mean 580.1
RMS 165.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

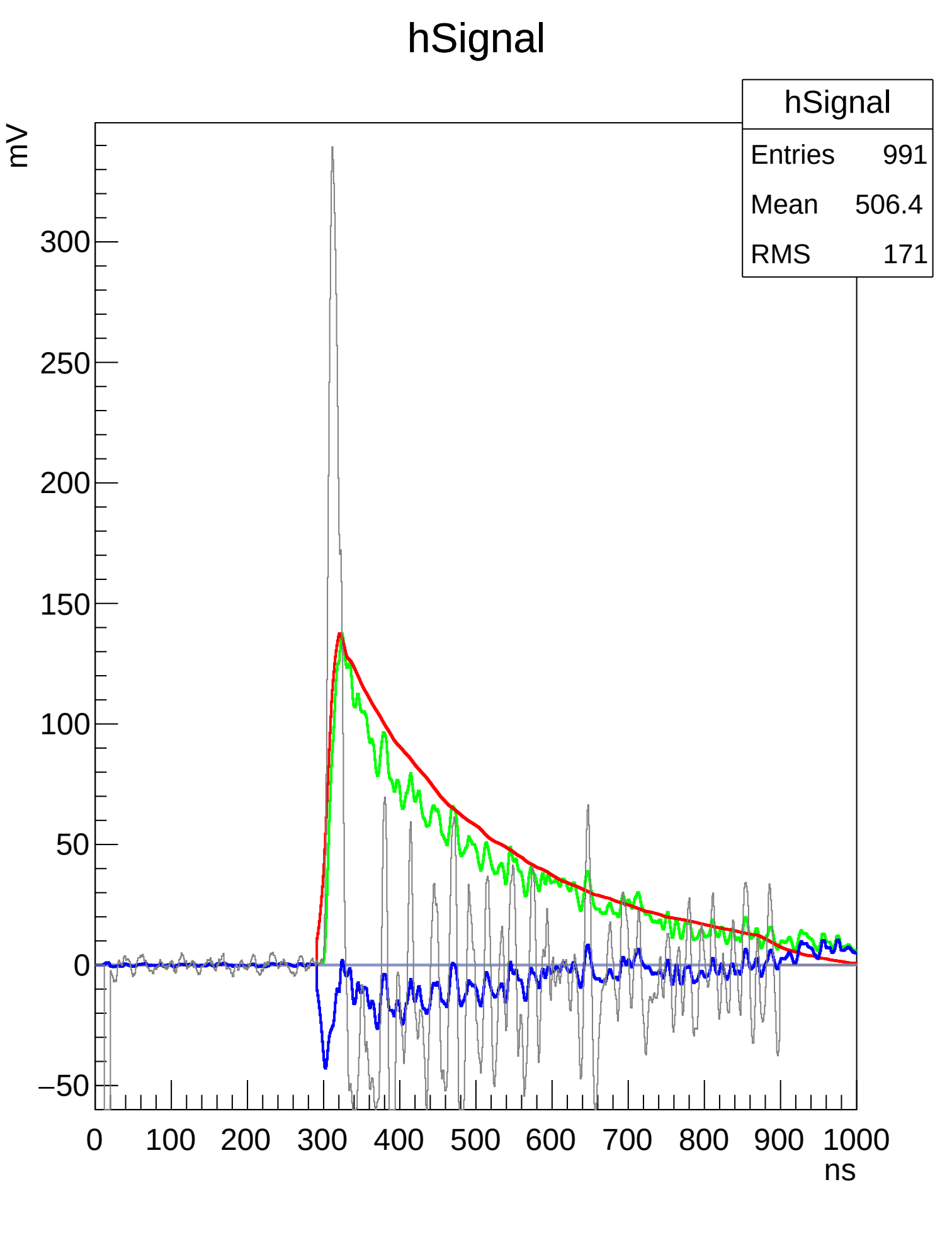

hSignal
hSignal
Entries 991
Mean 570.7
RMS 161.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

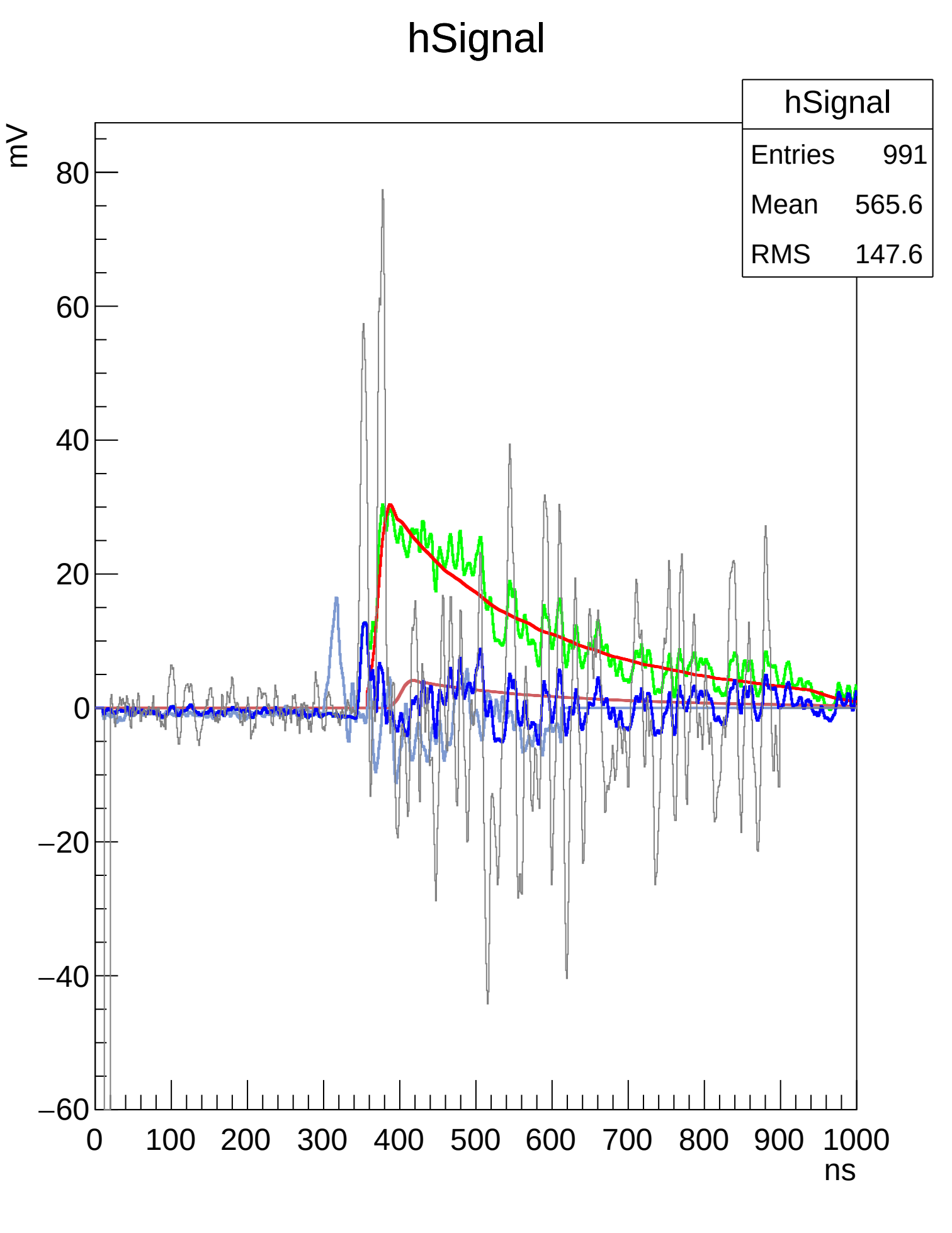

hSignal
hSignal
Entries 991
Mean 494
RMS 168.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

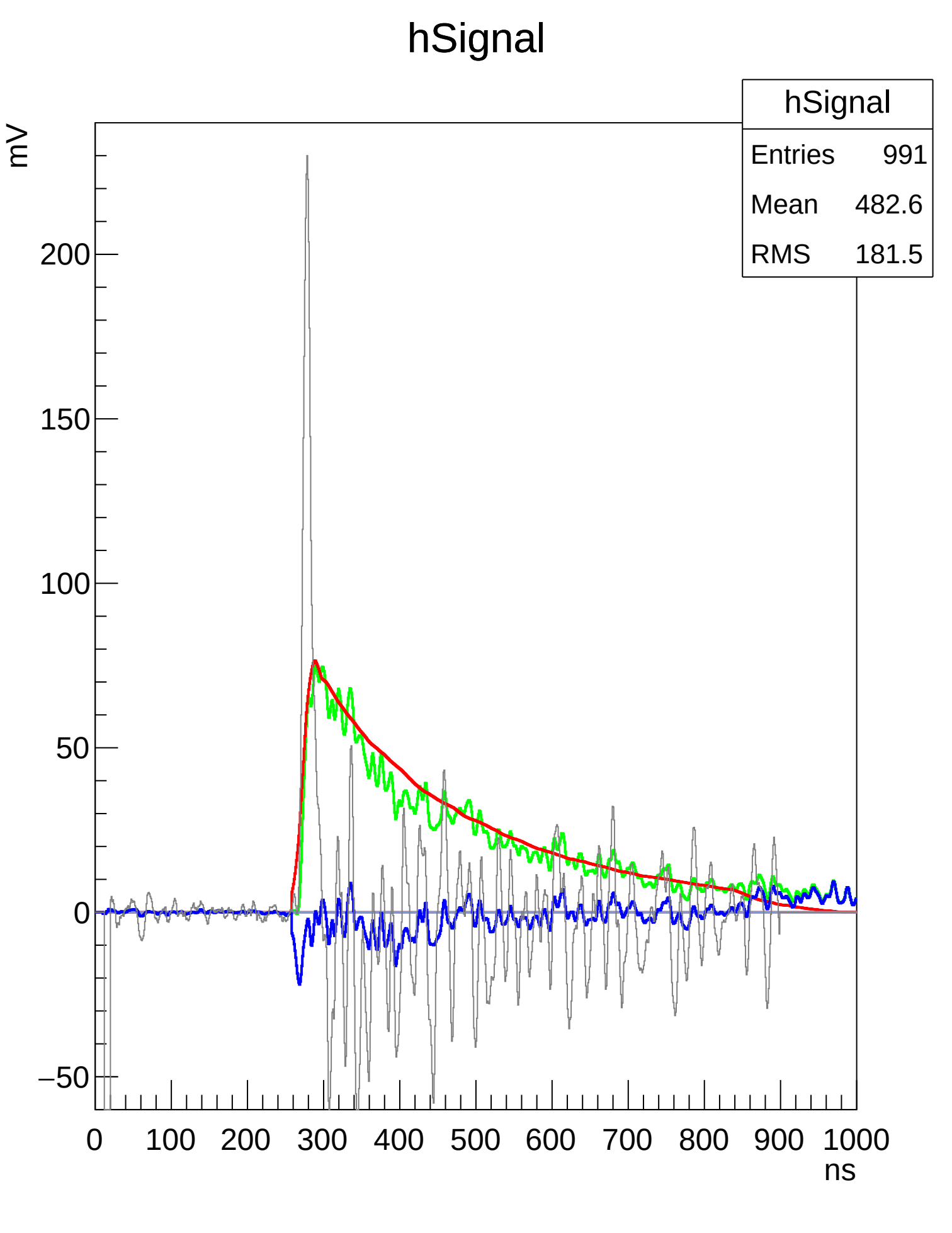

hSignal
hSignal
Entries 991
Mean 551
RMS 159.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

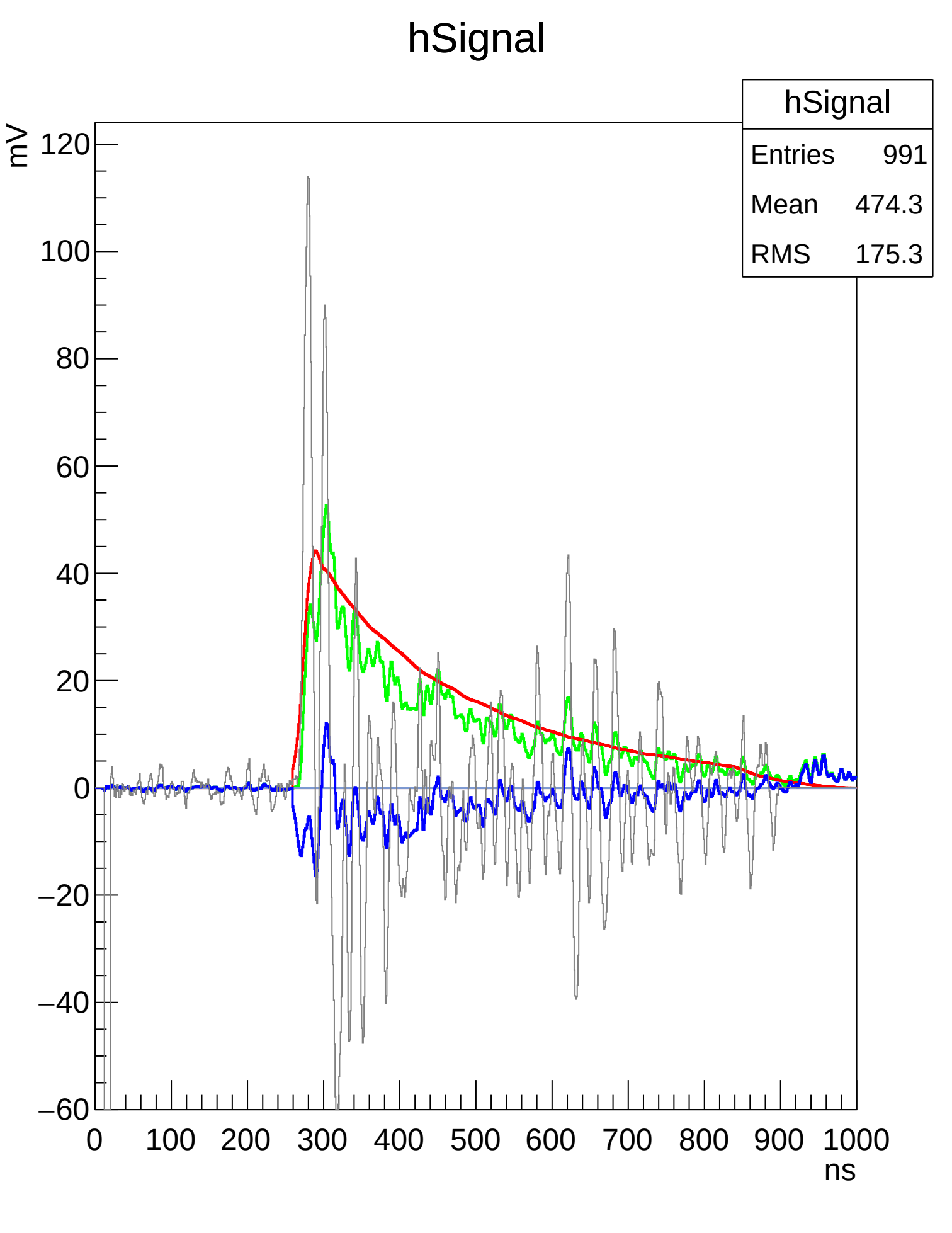

hSignal
hSignal
Entries 991
Mean 525.2
RMS 176.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

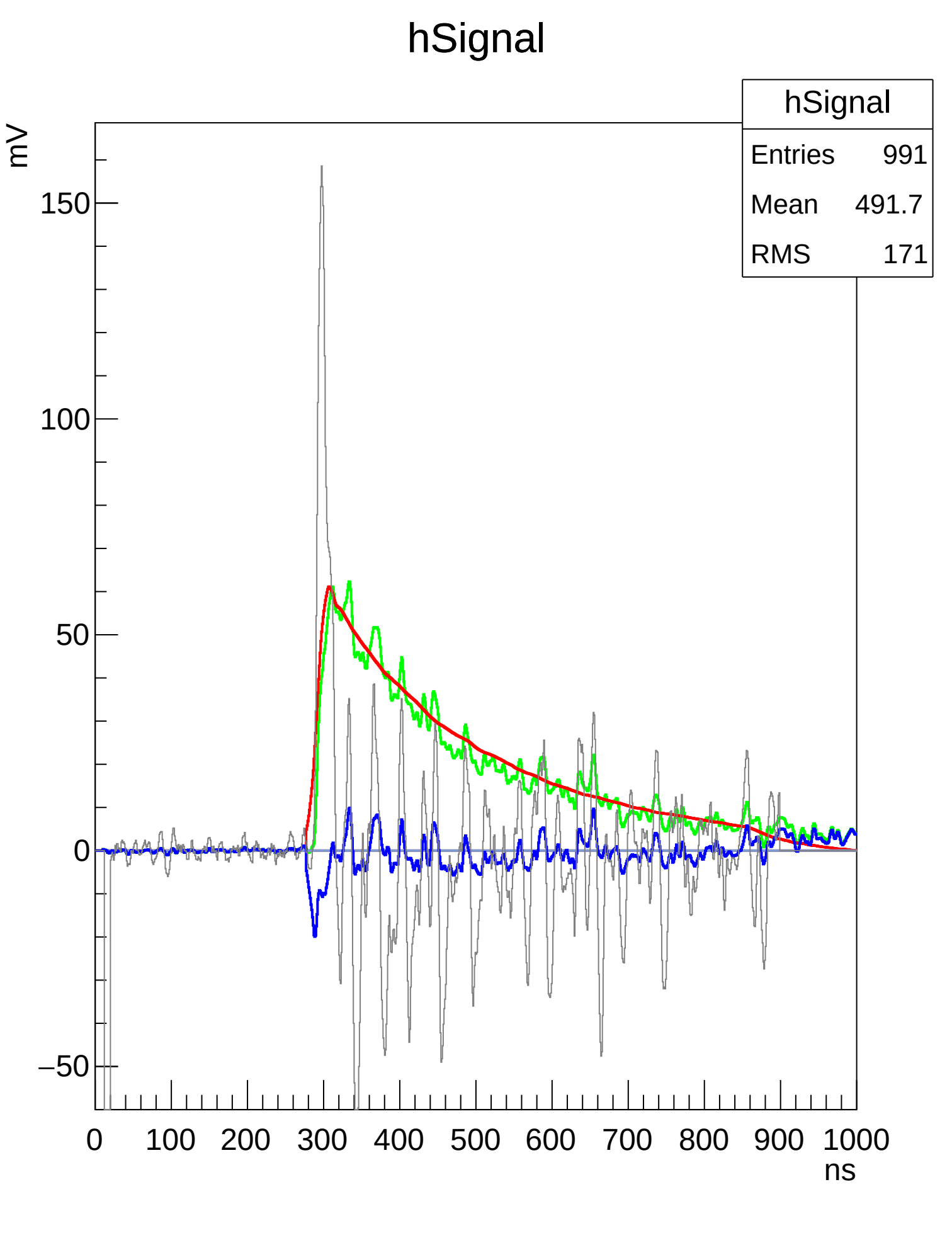

hSignal
hSignal
Entries 991
Mean 550.4
RMS 158.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

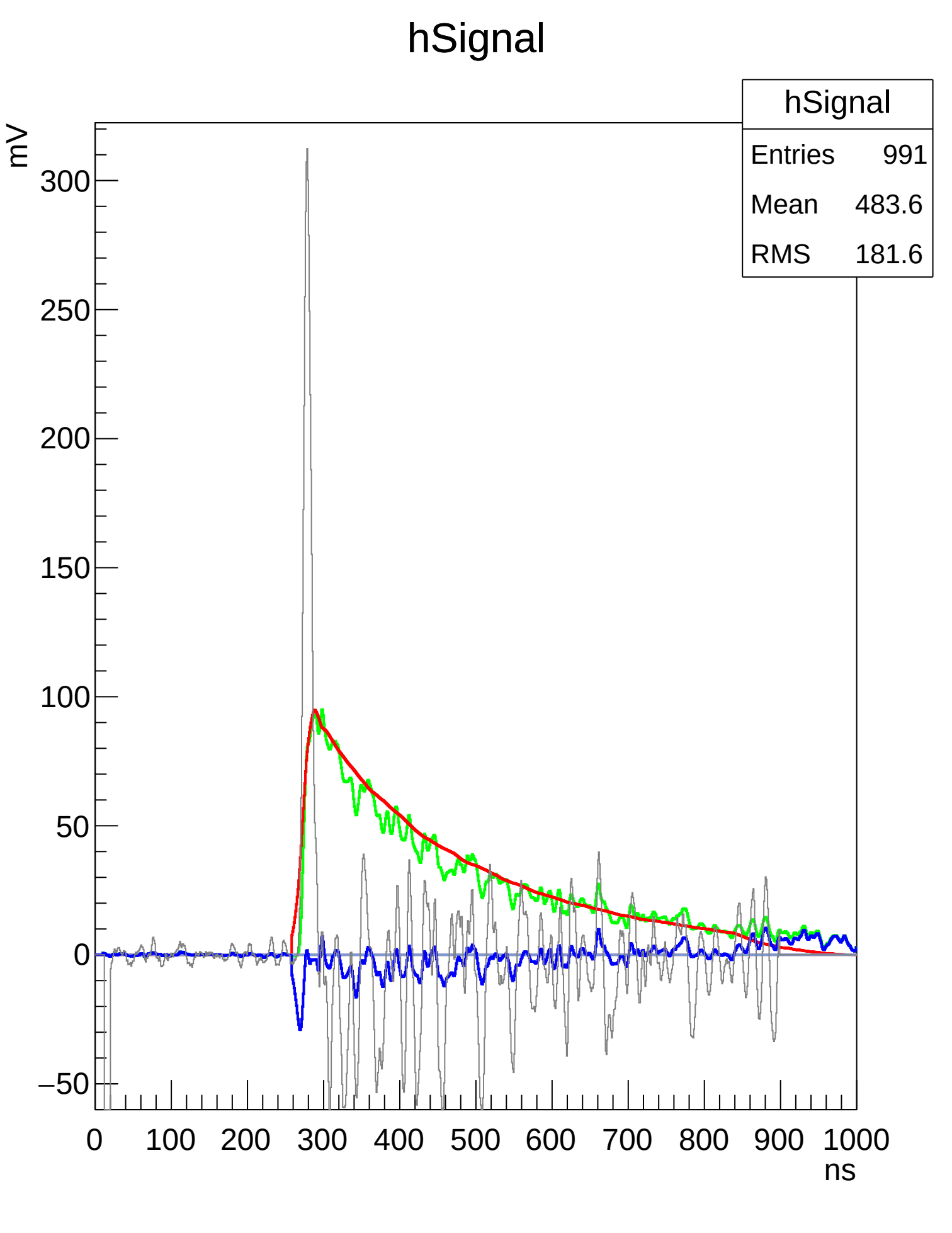

hSignal
hSignal
Entries 991
Mean 506.4
RMS 171
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

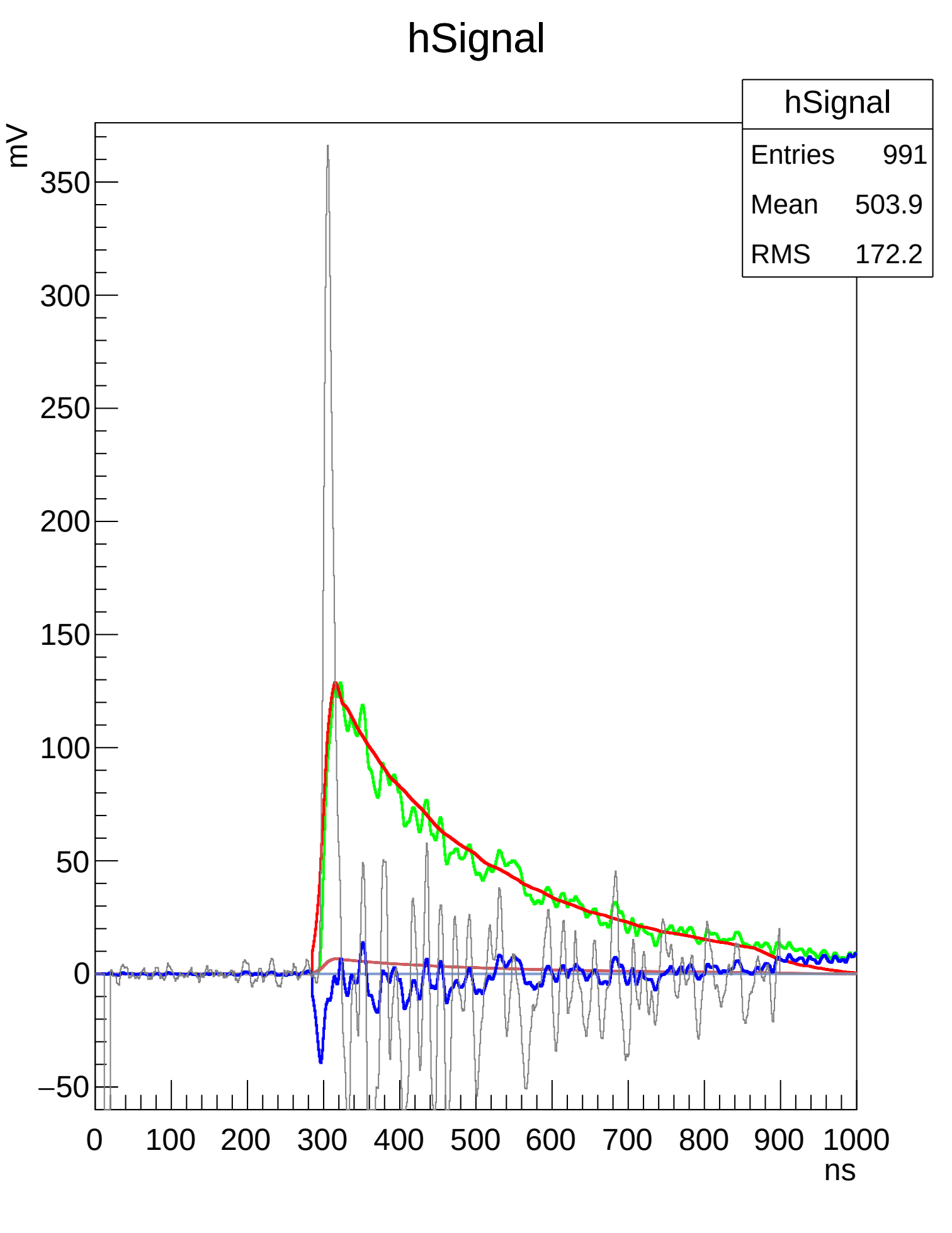

hSignal
hSignal
Entries 991
Mean 565.6
RMS 147.6
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

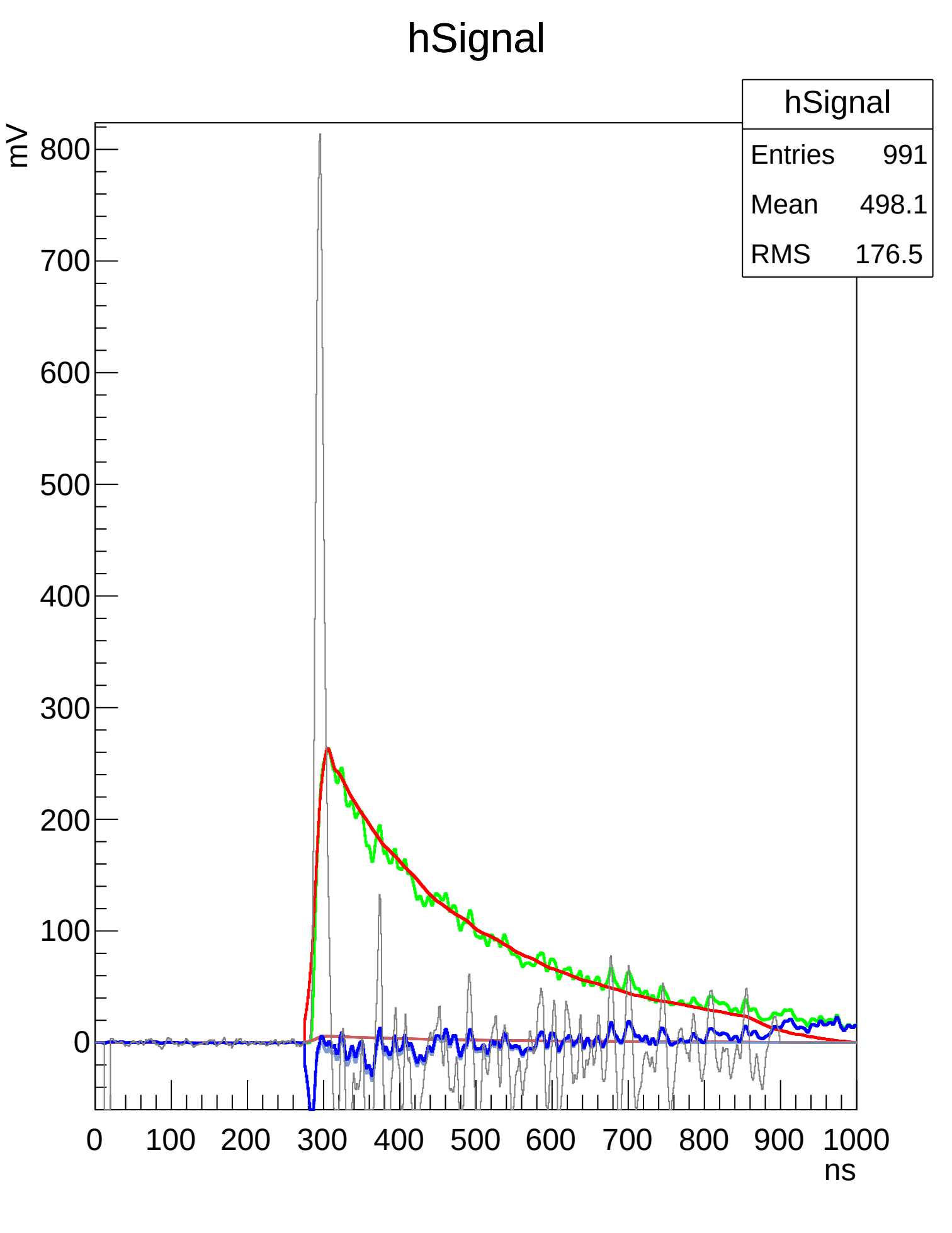

hSignal
hSignal
Entries 991
Mean 482.6
RMS 181.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

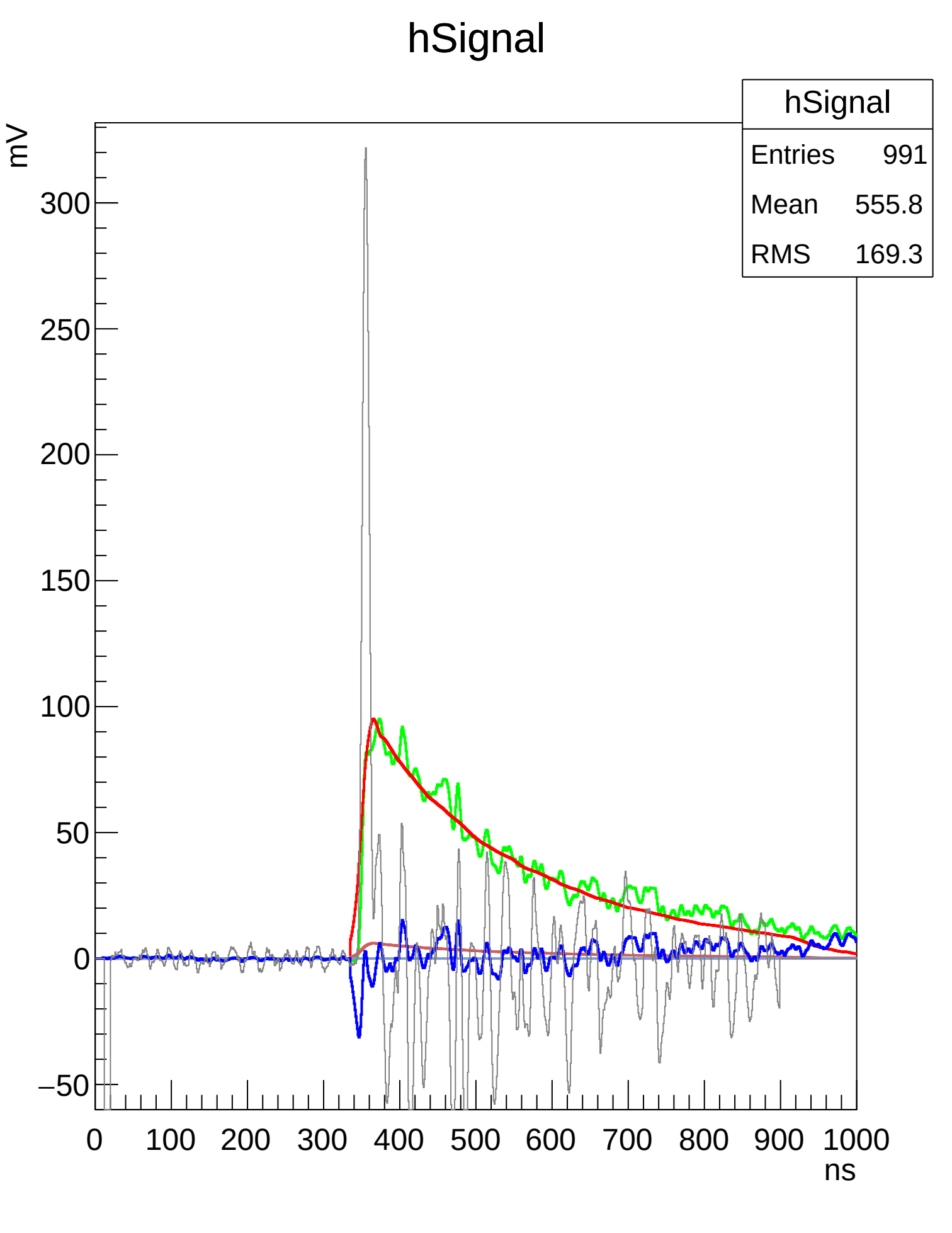

hSignal
hSignal
Entries 991
Mean 474.3
RMS 175.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

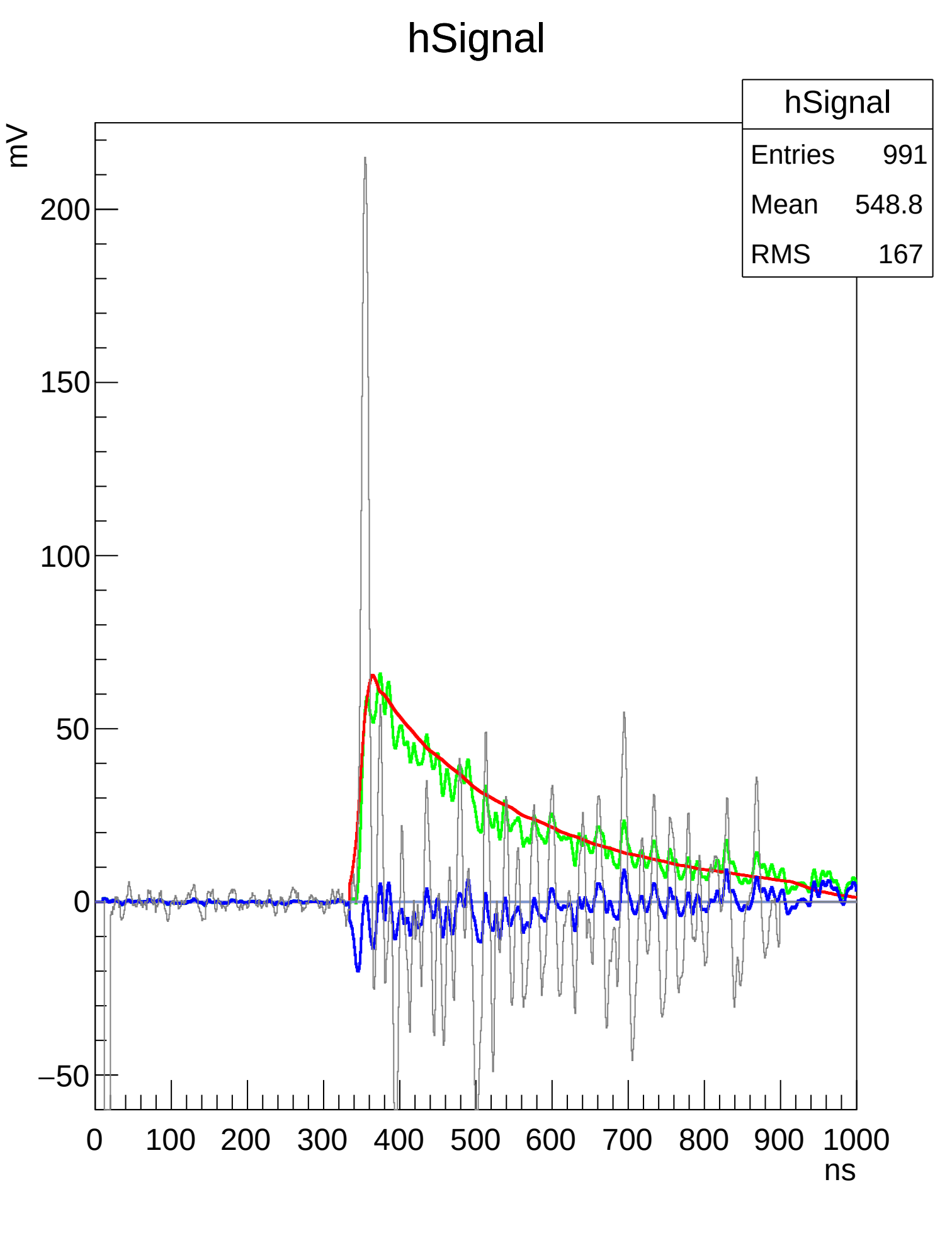

hSignal
hSignal
Entries 991
Mean 491.7
RMS 171
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

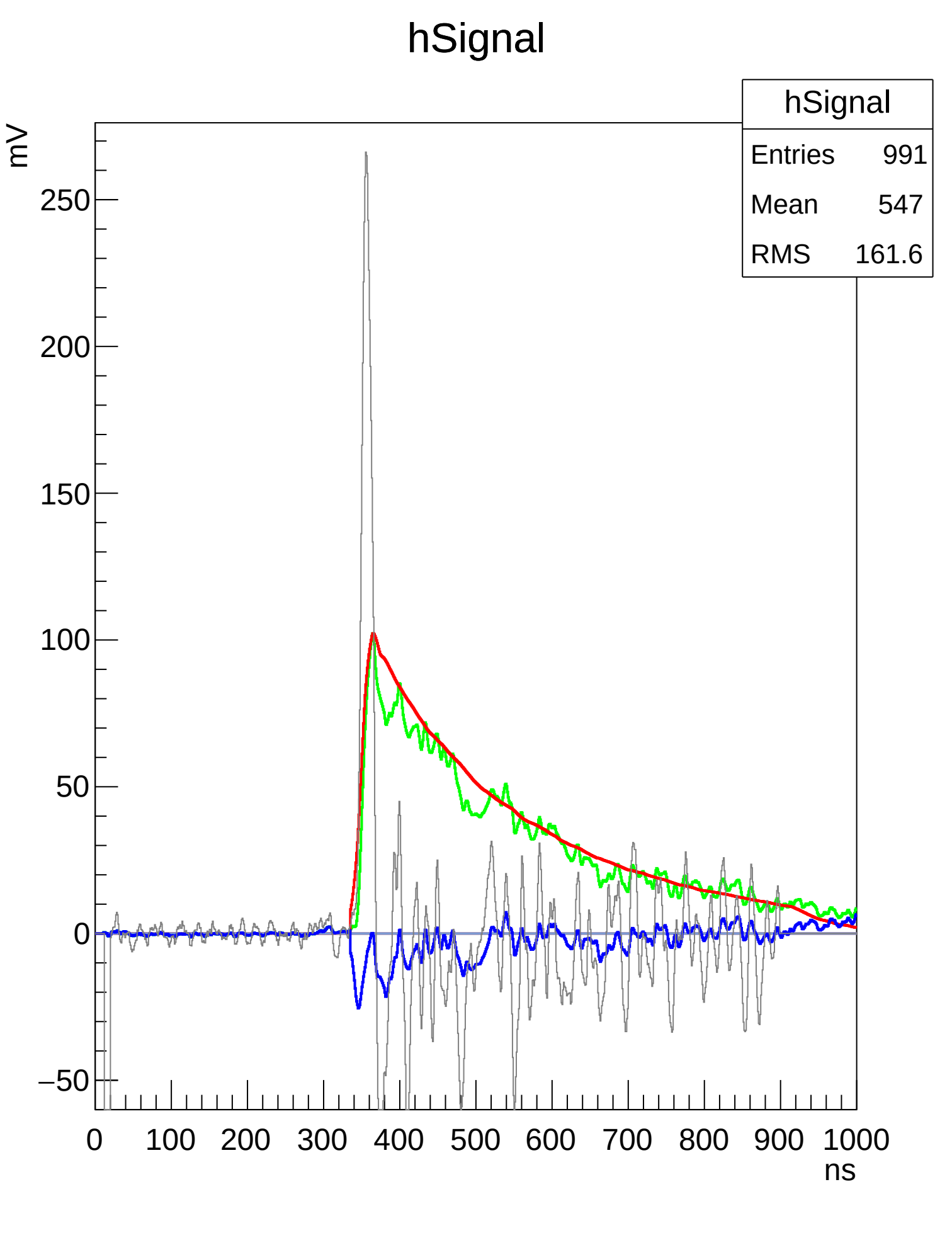

hSignal
hSignal
Entries 991
Mean 483.6
RMS 181.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

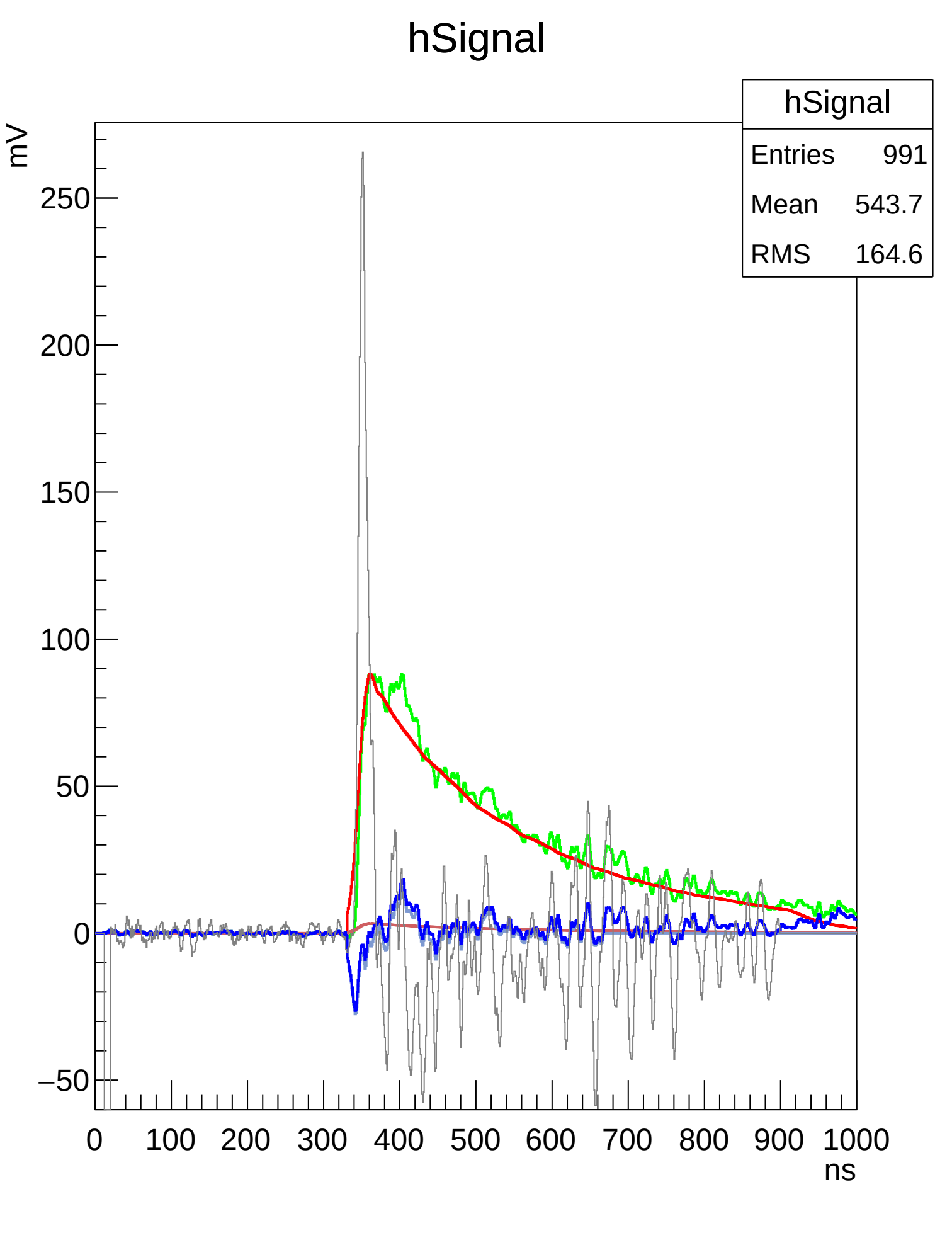

hSignal
hSignal
Entries 991
Mean 503.9
RMS 172.2
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

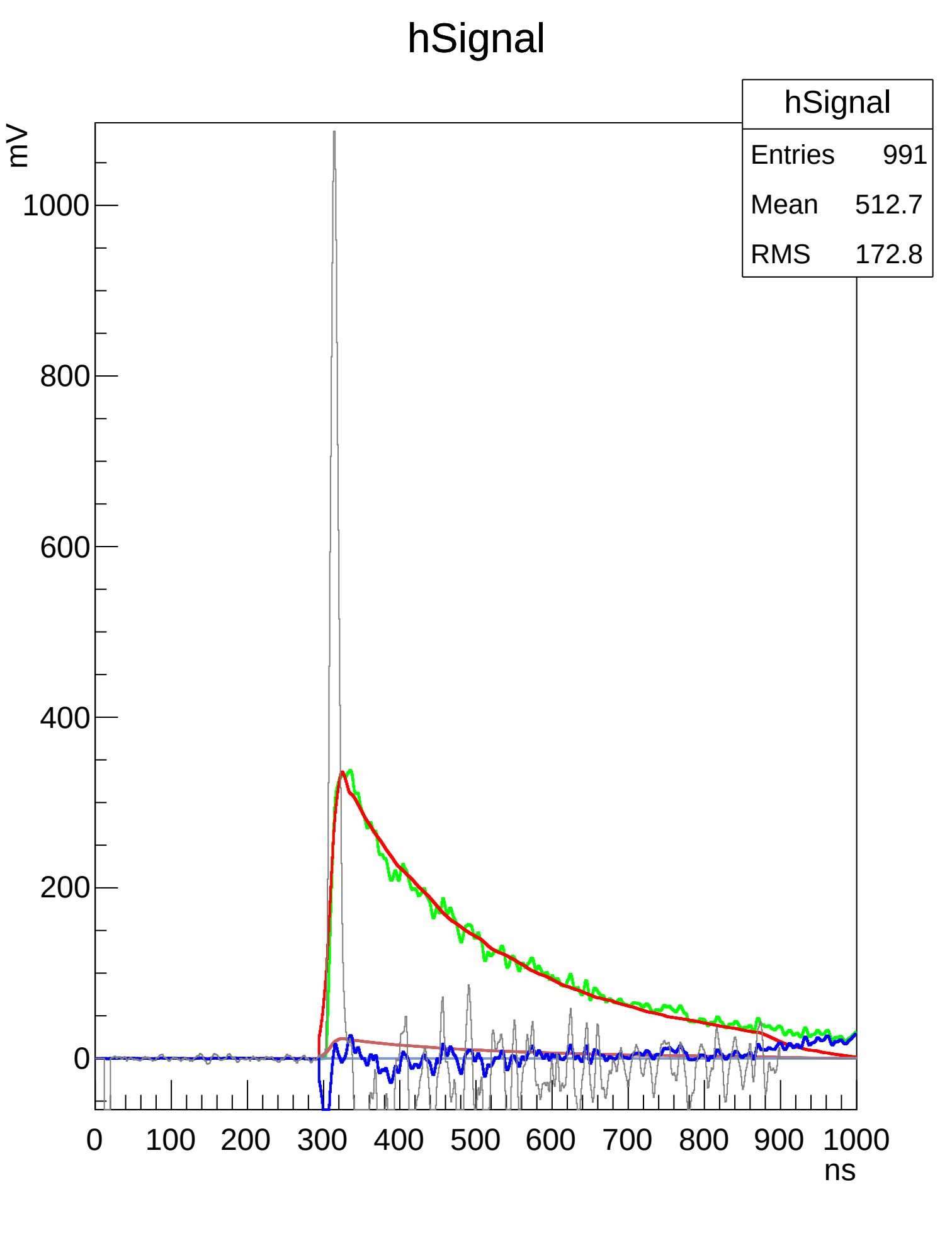

hSignal
hSignal
Entries 991
Mean 498.1
RMS 176.5
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

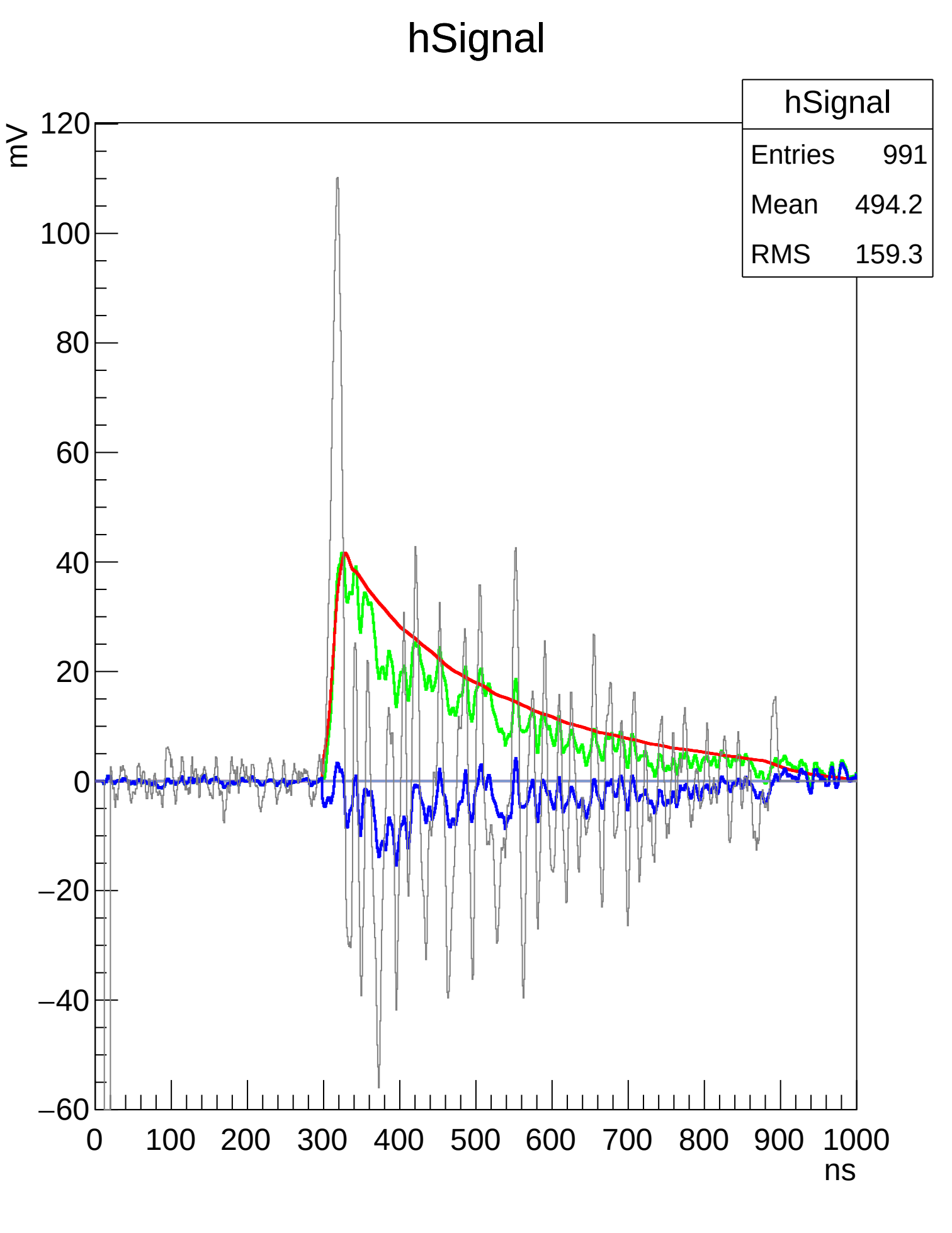

hSignal
hSignal
Entries 991
Mean 555.8
RMS 169.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

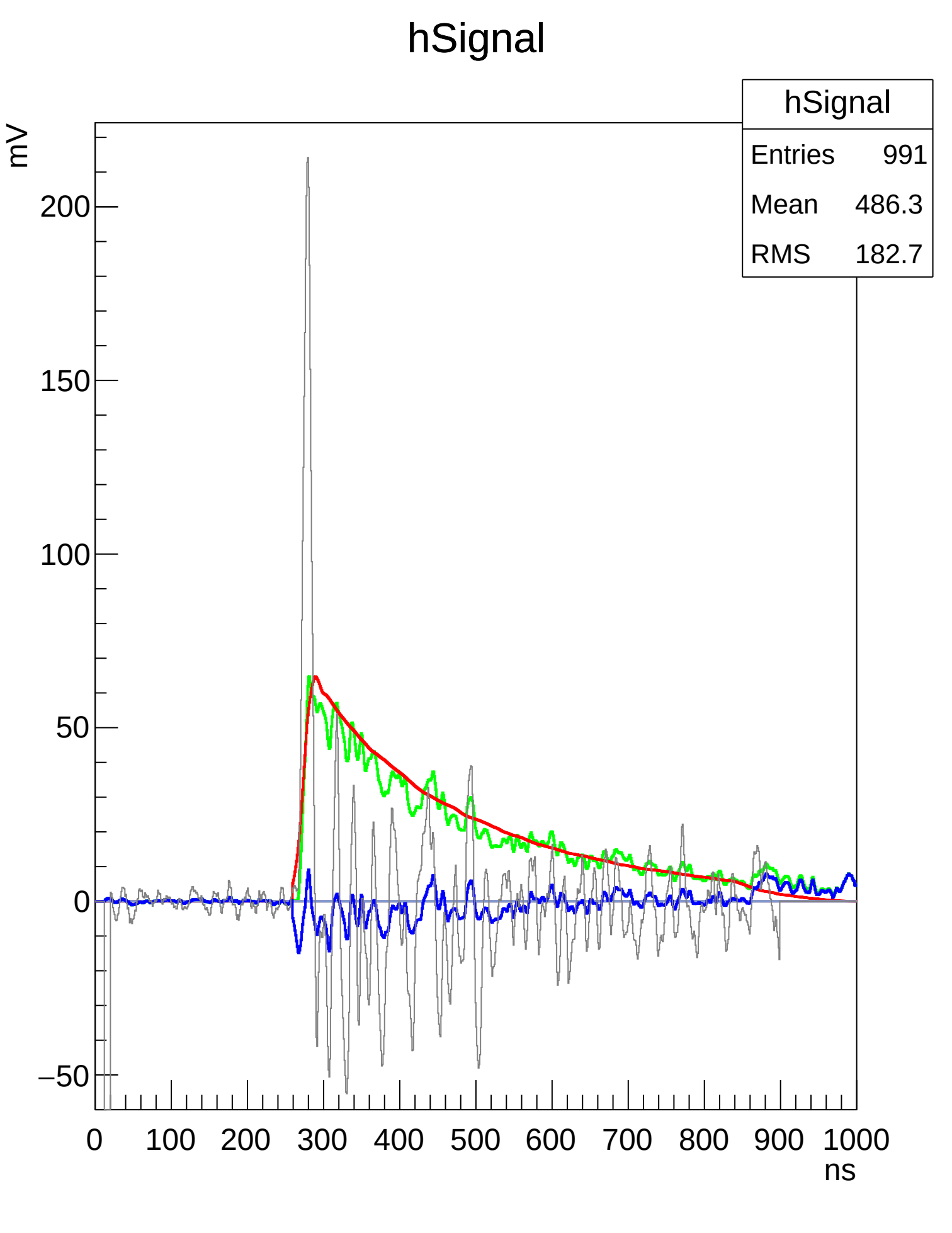

hSignal
hSignal
Entries 991
Mean 548.8
RMS 167
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

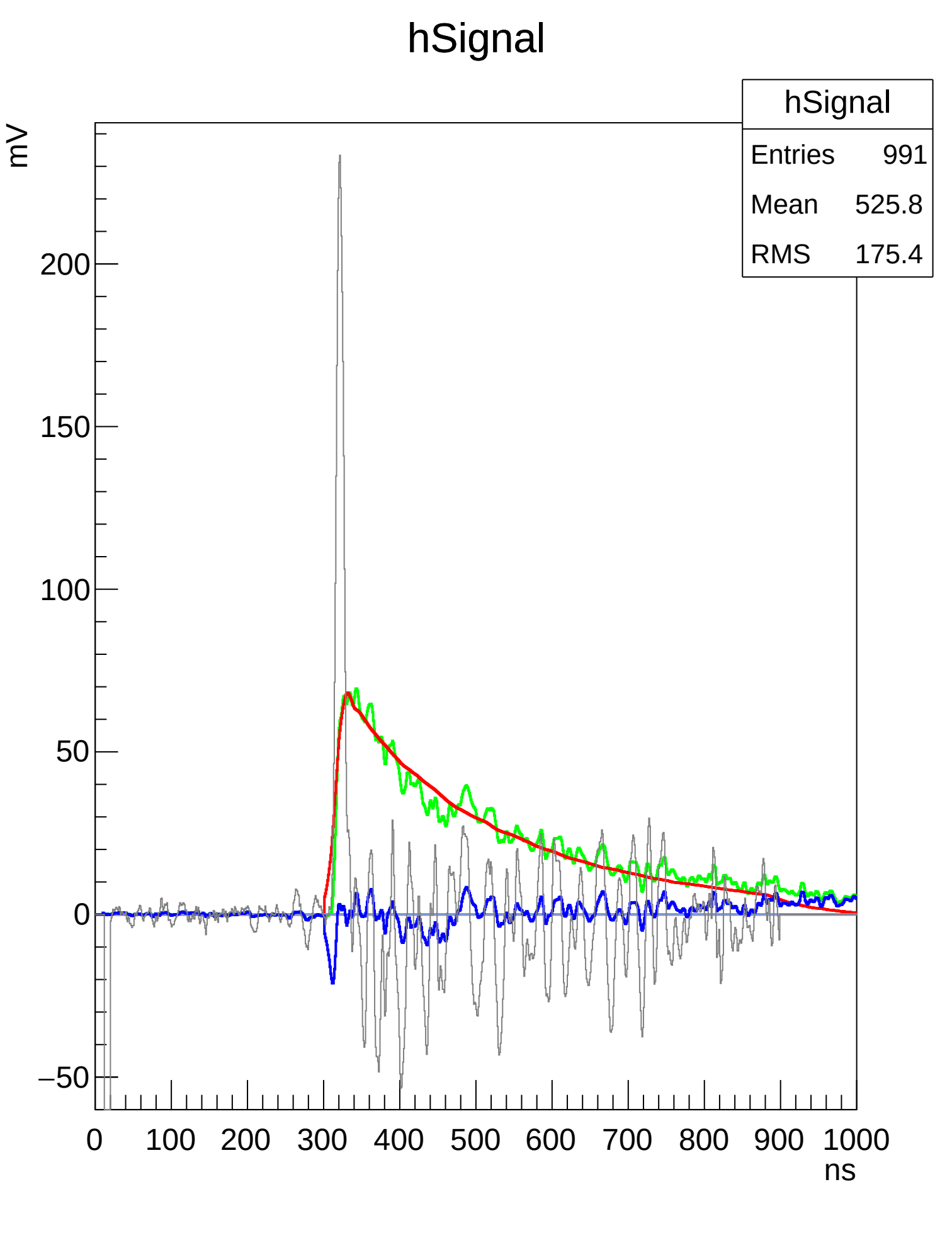

hSignal
hSignal
Entries 991
Mean 547
RMS 161.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

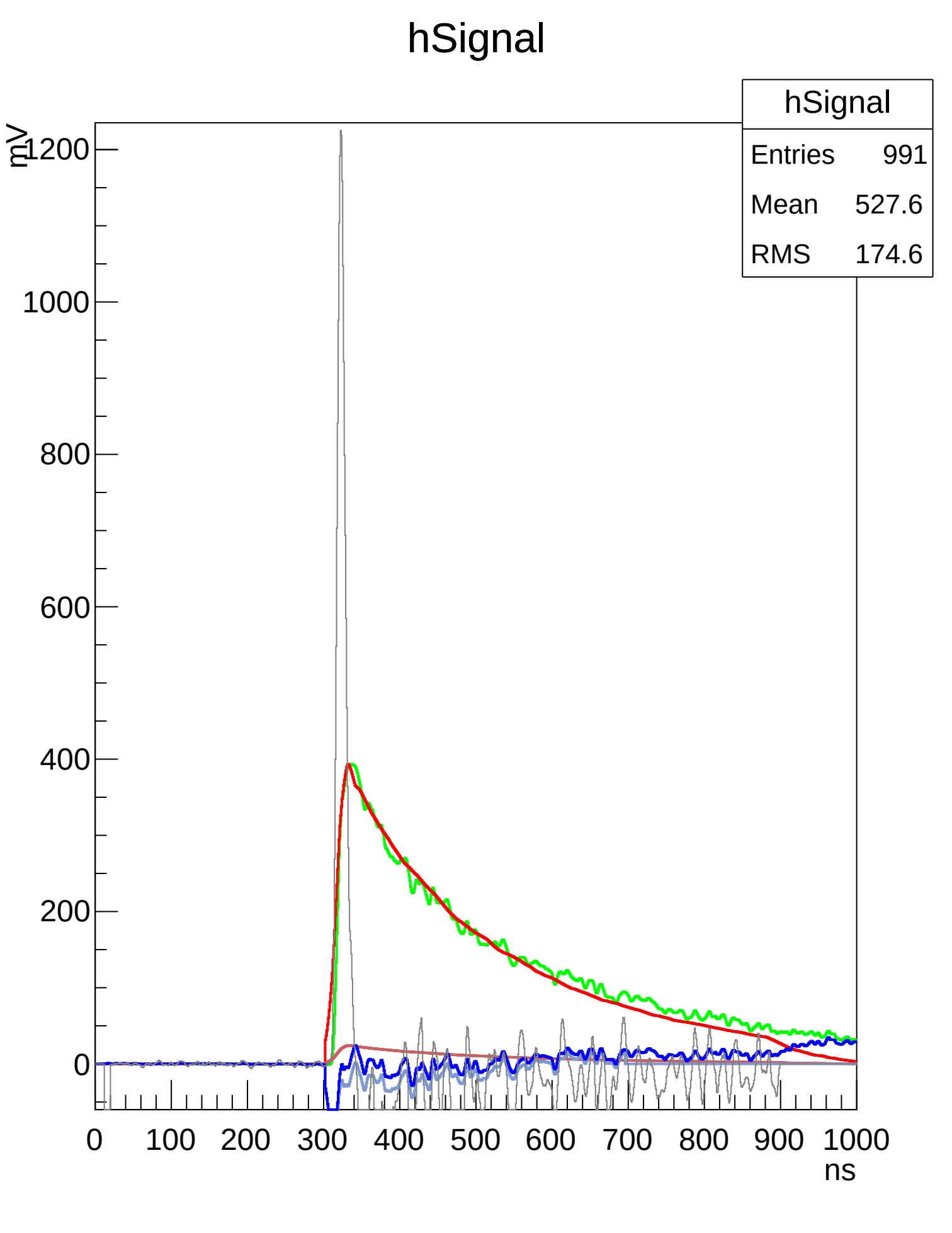

hSignal
hSignal
Entries 991
Mean 543.7
RMS 164.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

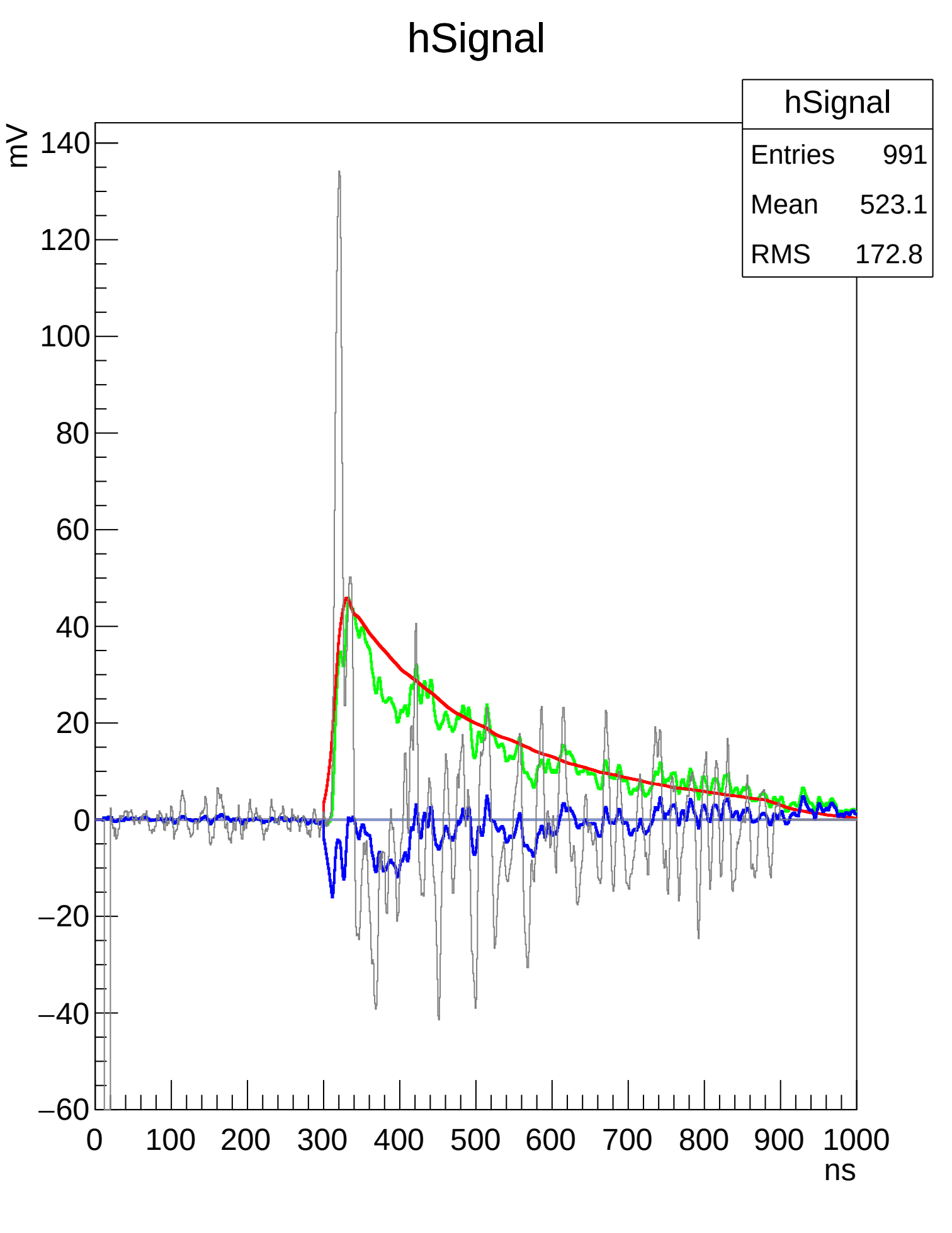

hSignal
hSignal
Entries 991
Mean 512.7
RMS 172.8
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

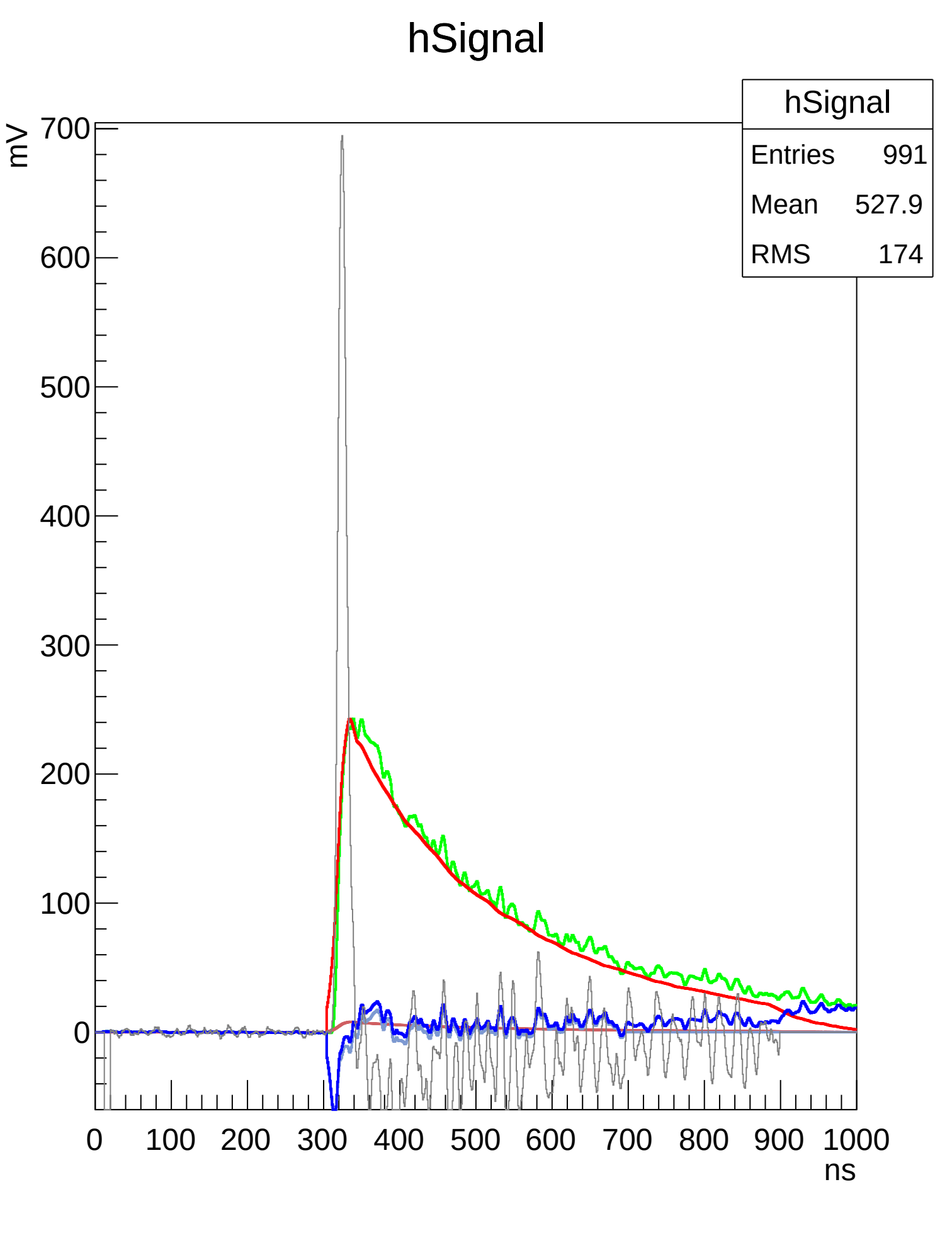

hSignal
hSignal
Entries 991
Mean 494.2
RMS 159.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

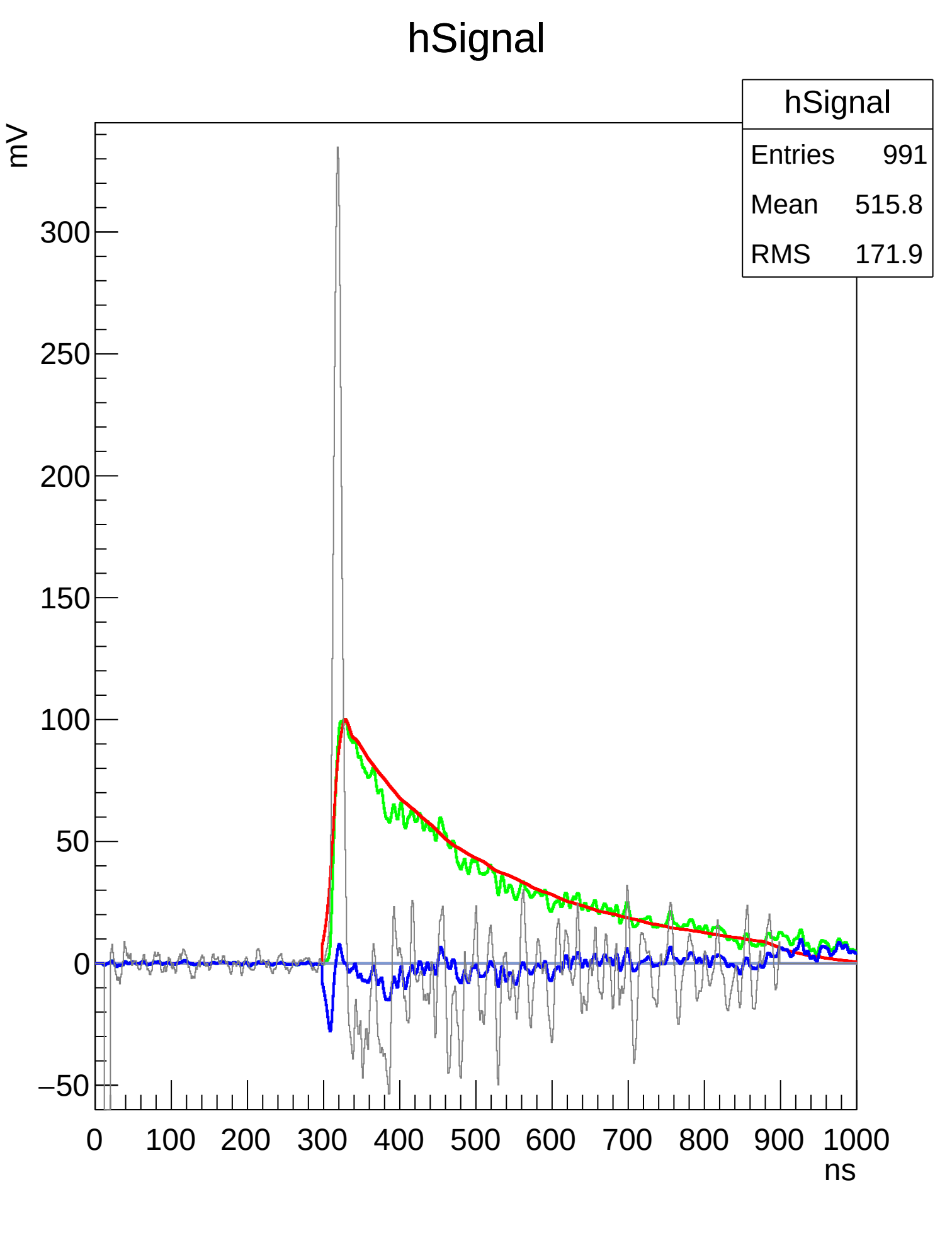

hSignal
hSignal
Entries 991
Mean 486.3
RMS 182.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

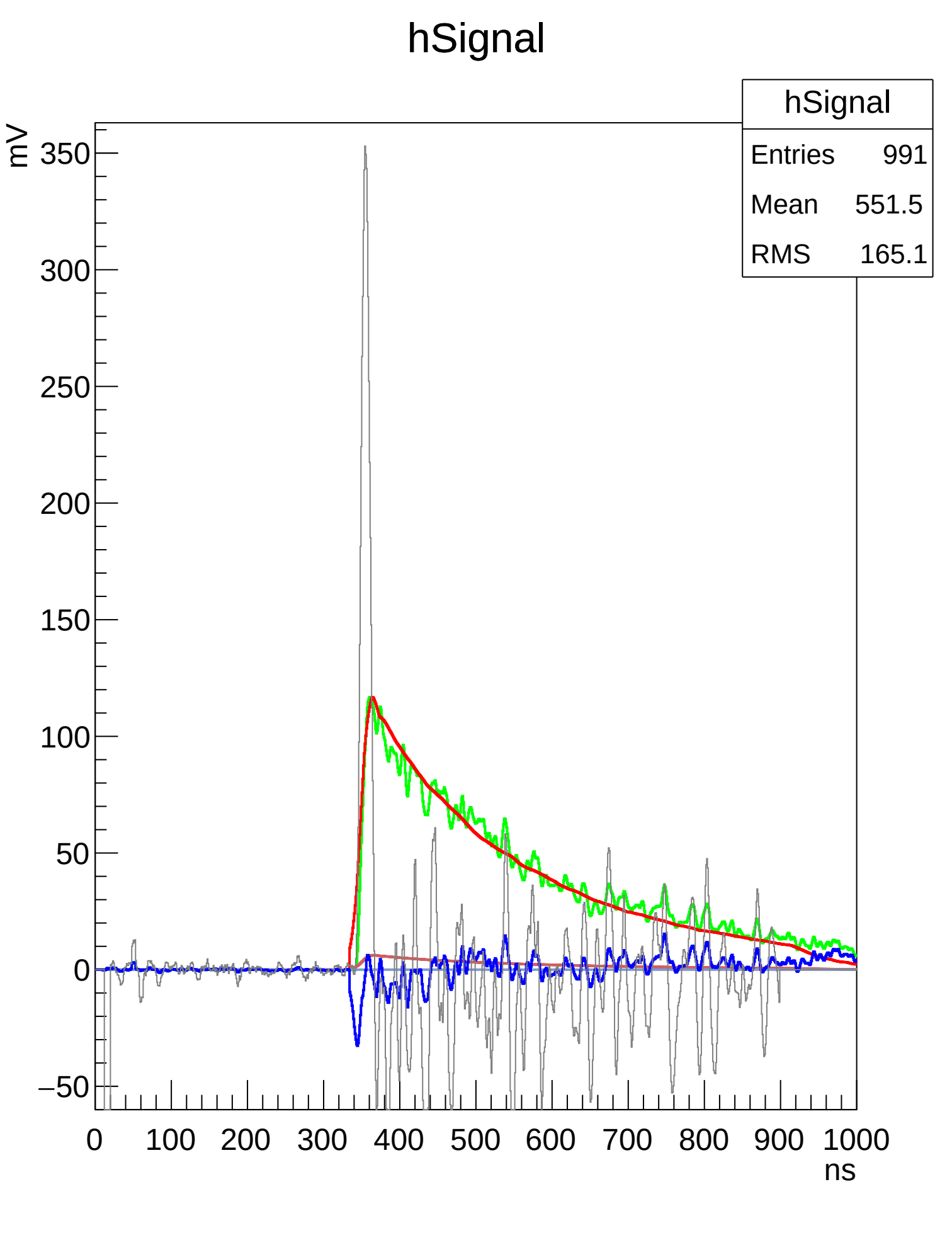

hSignal
hSignal
Entries 991
Mean 525.8
RMS 175.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

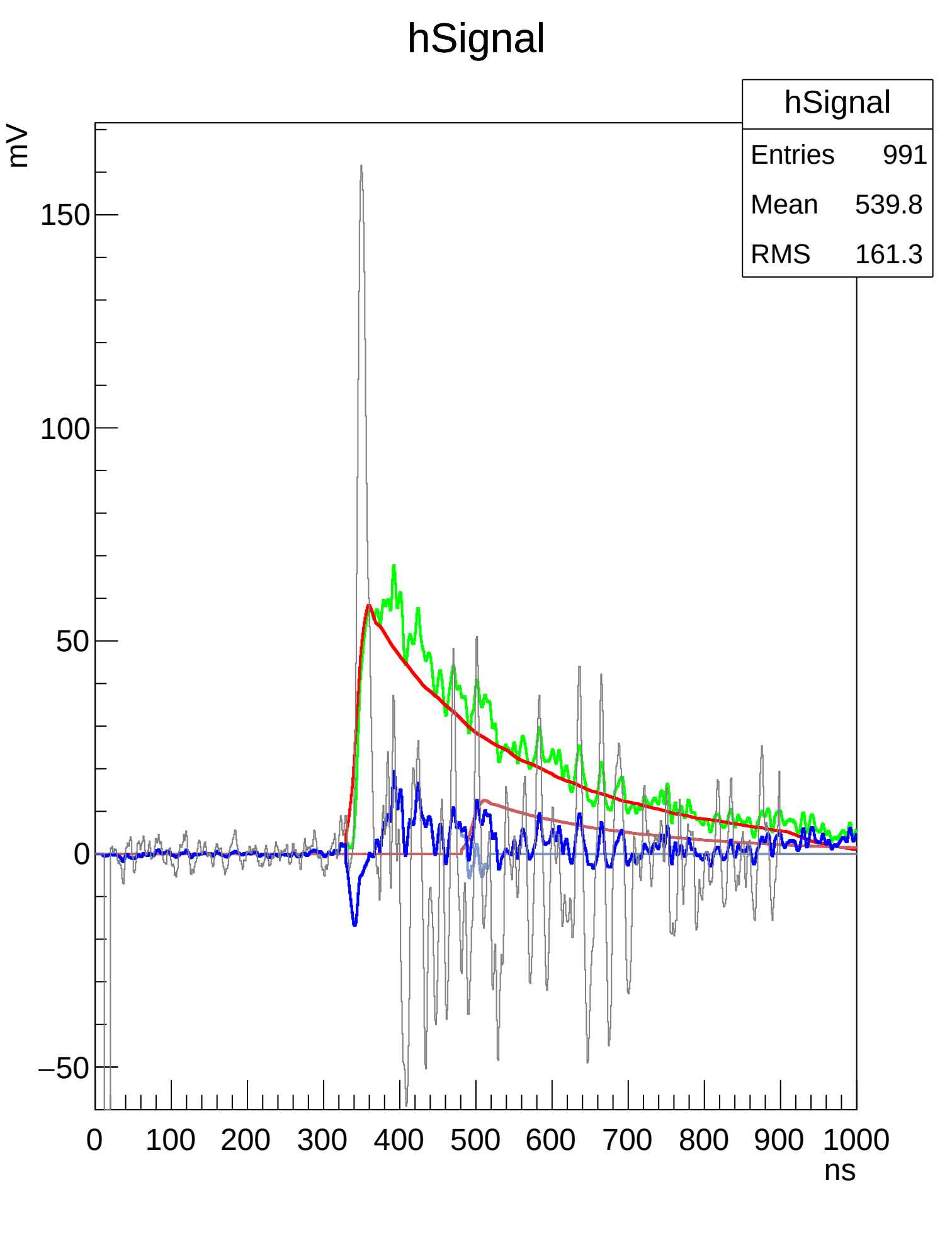

hSignal
hSignal
Entries 991
Mean 527.6
RMS 174.6
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

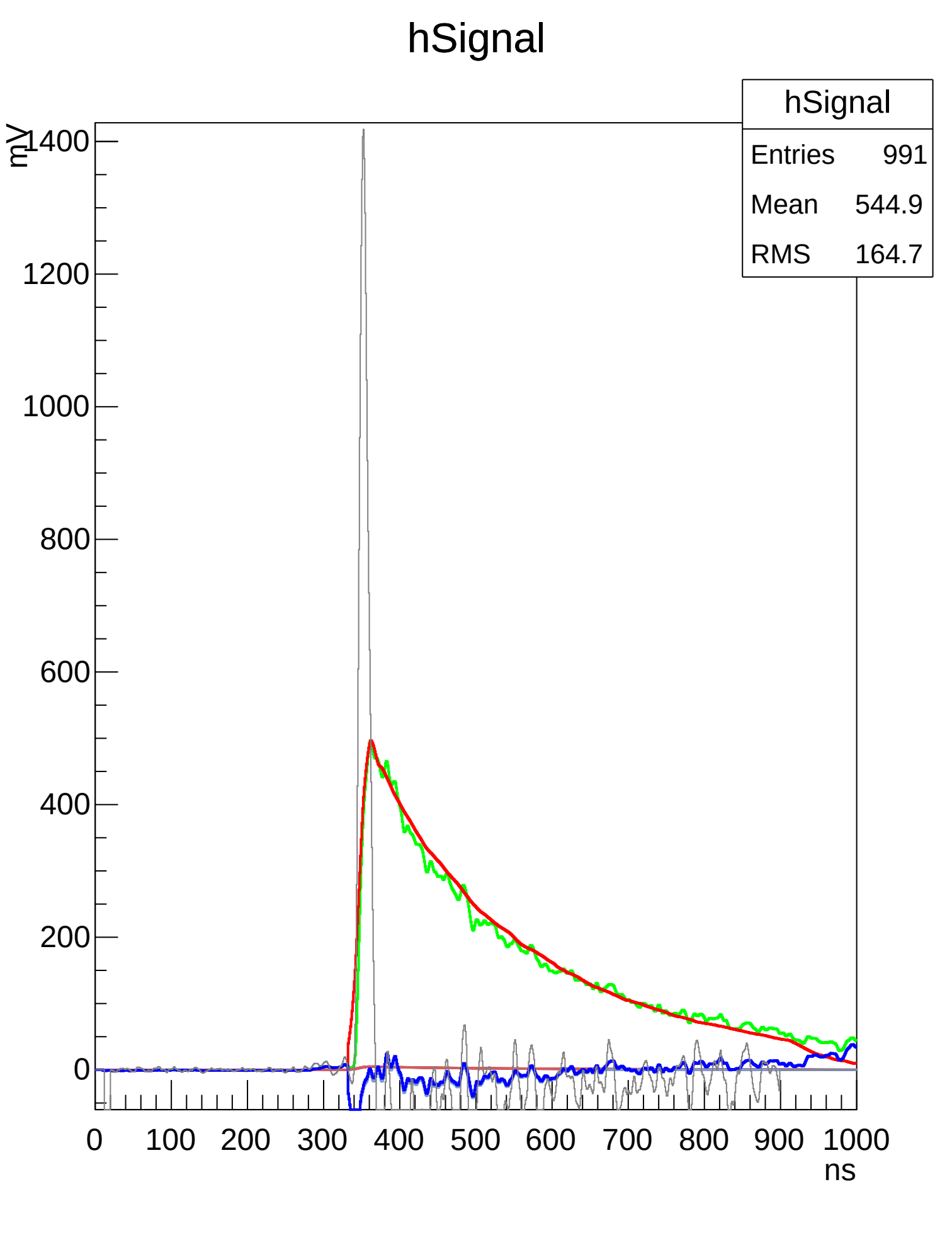

hSignal
hSignal
Entries 991
Mean 523.1
RMS 172.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

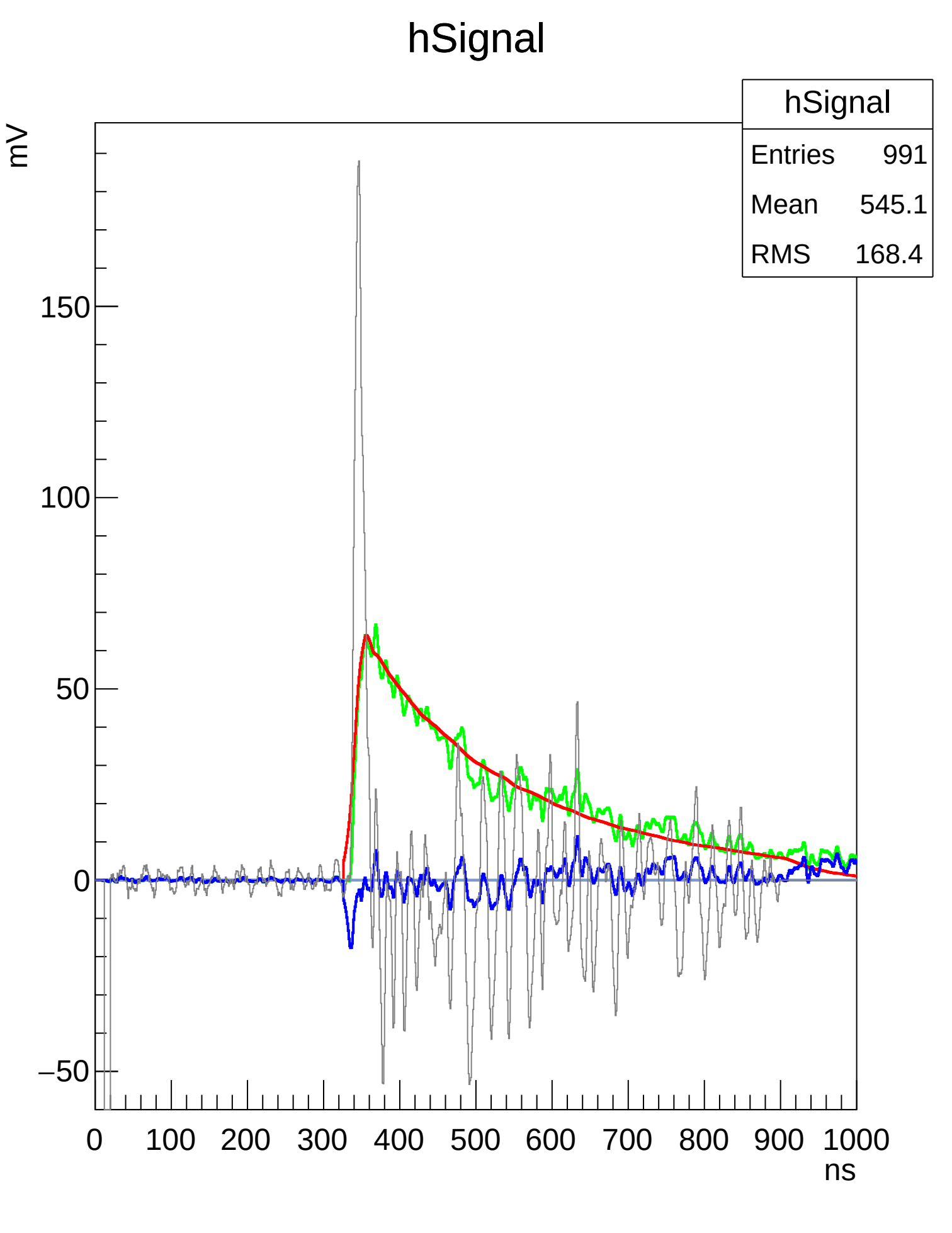

hSignal
hSignal
Entries 991
Mean 527.9
RMS 174
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

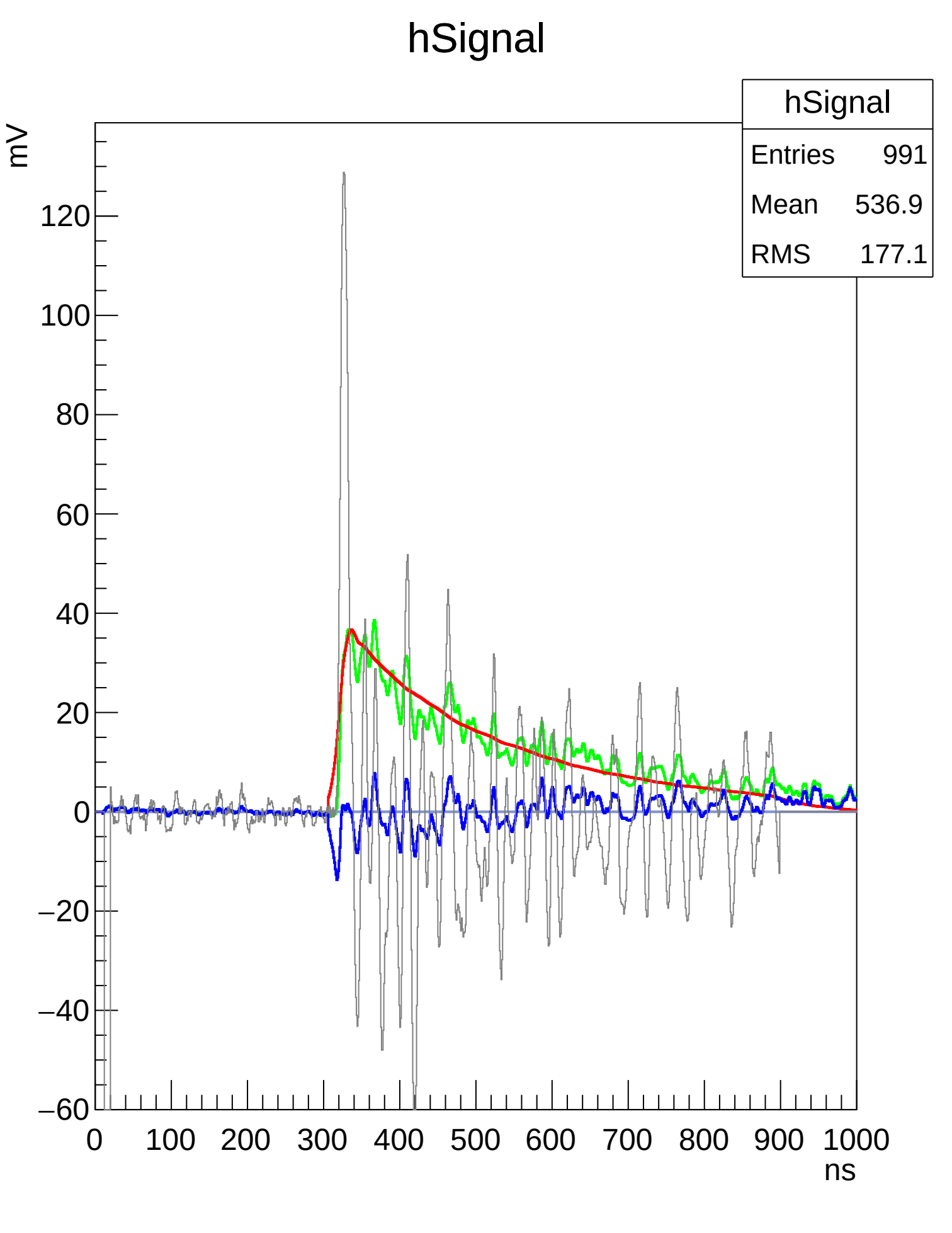

hSignal
hSignal
Entries 991
Mean 515.8
RMS 171.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

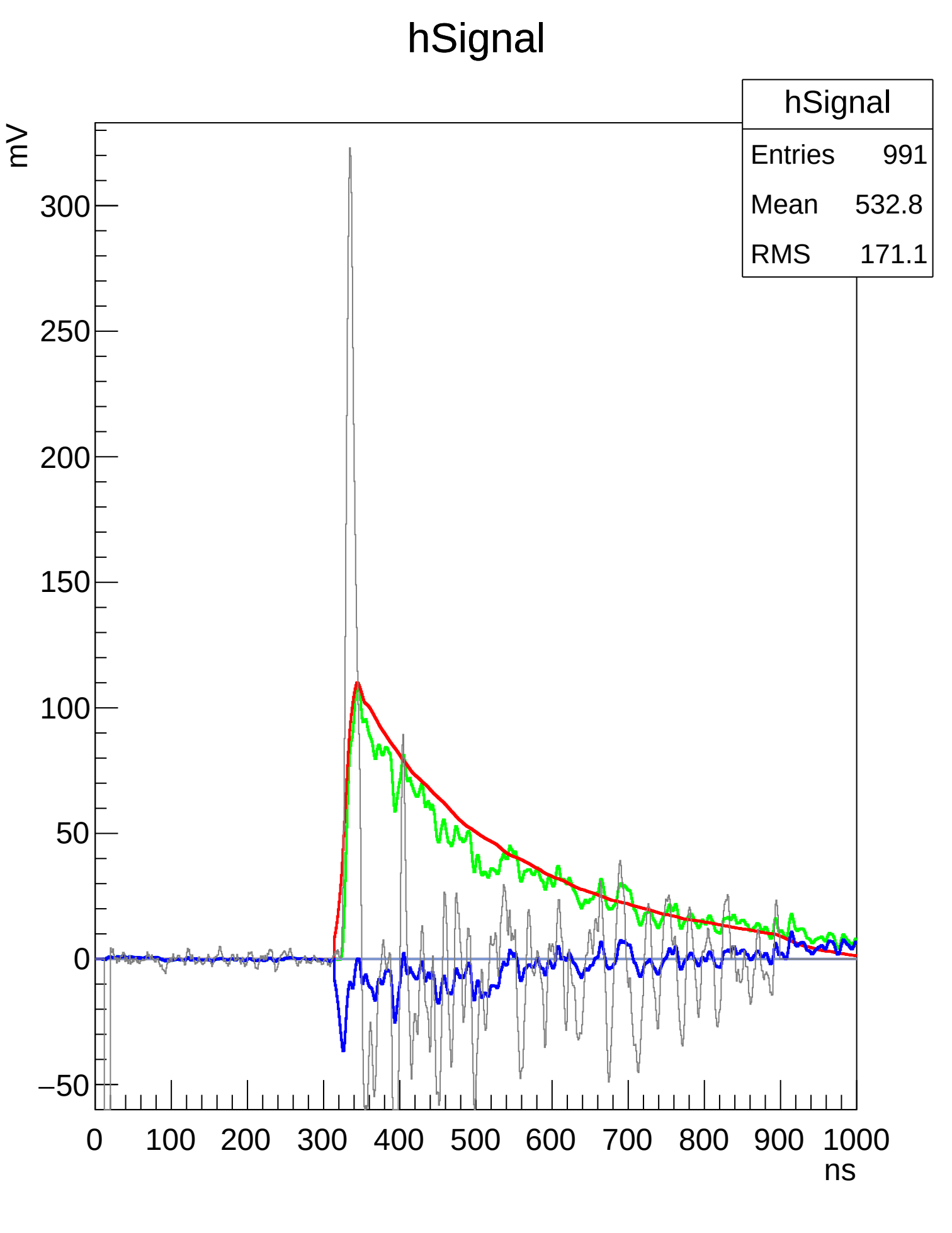

hSignal
hSignal
Entries 991
Mean 551.5
RMS 165.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

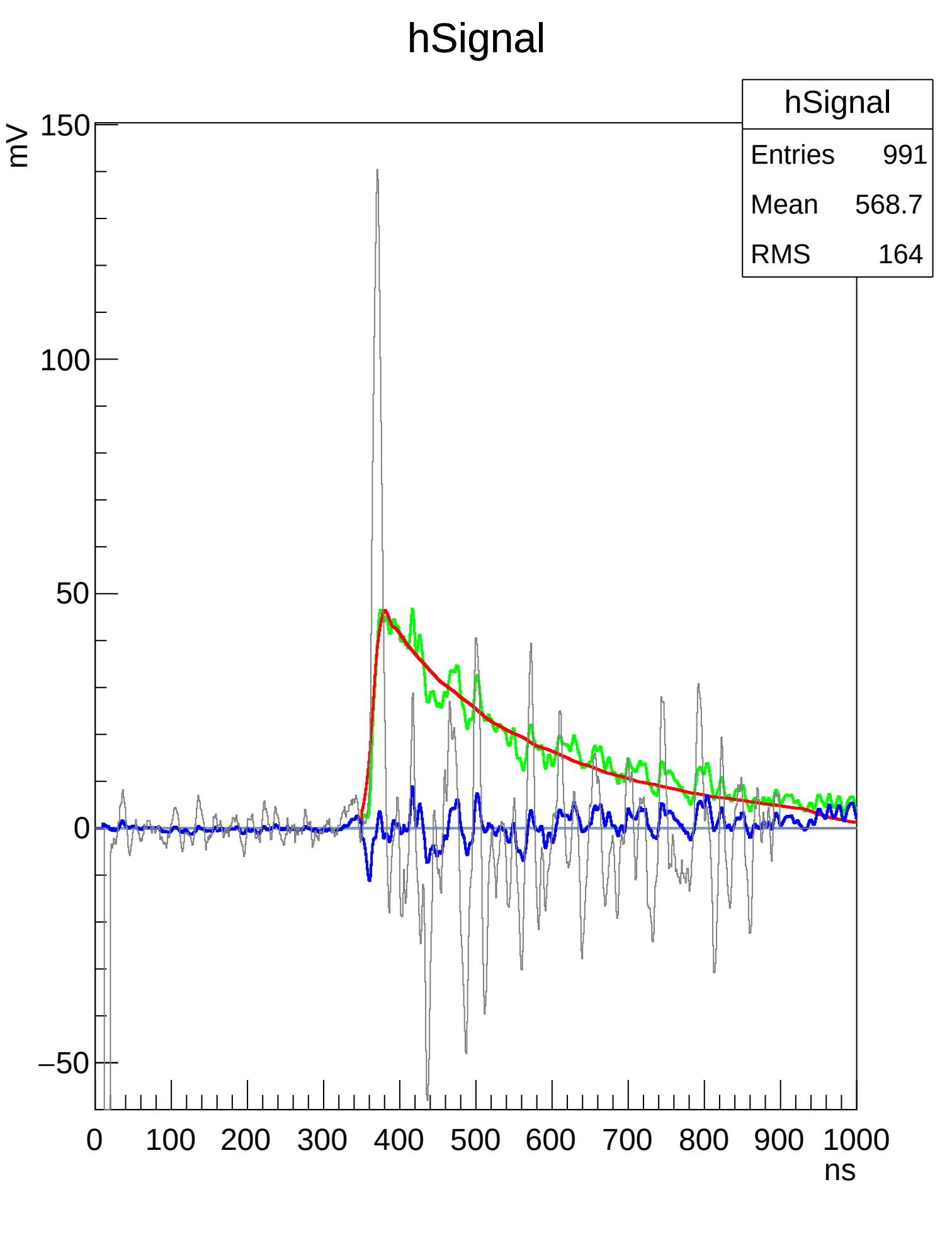

hSignal
hSignal
Entries 991
Mean 539.8
RMS 161.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

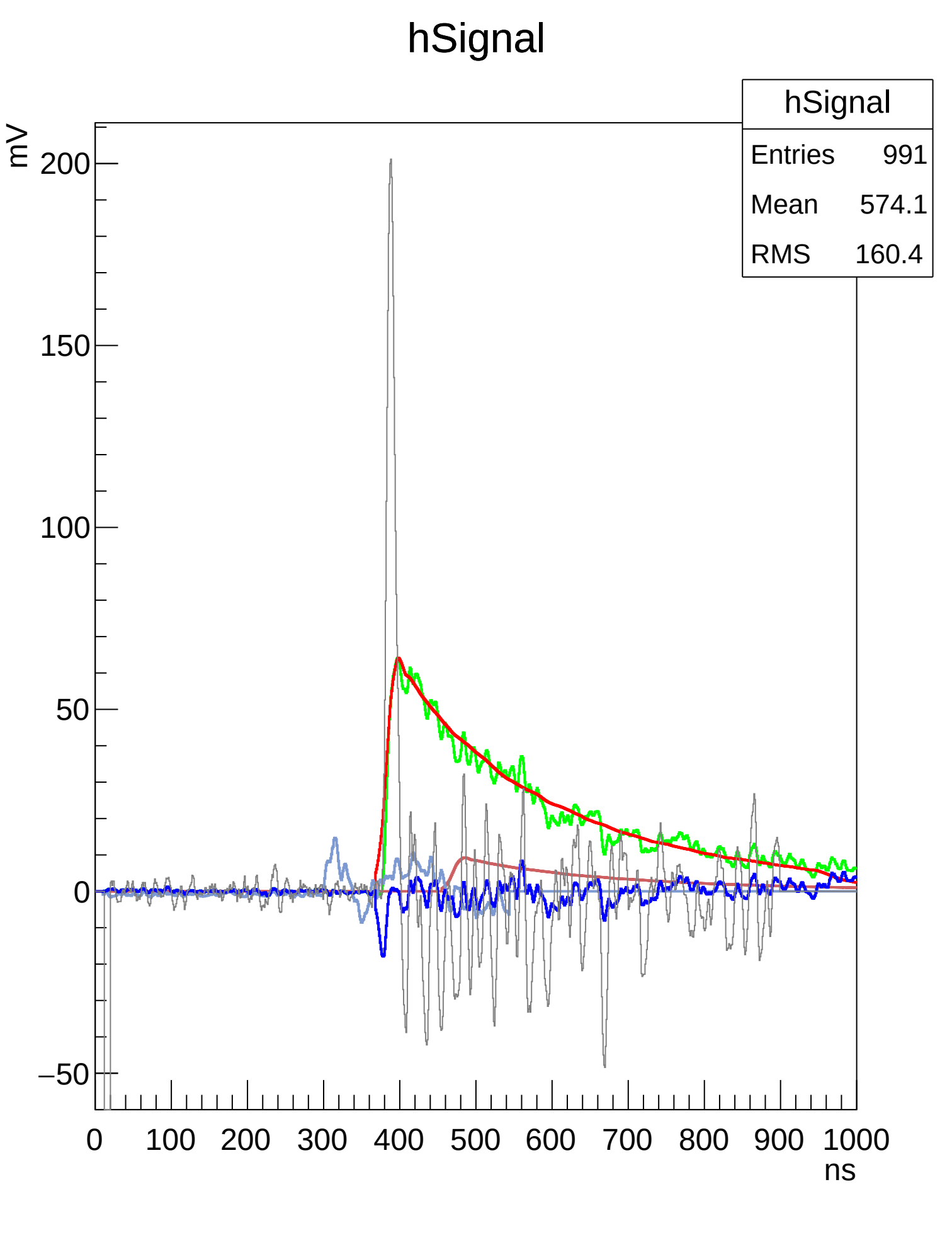

hSignal
hSignal
Entries 991
Mean 544.9
RMS 164.7
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

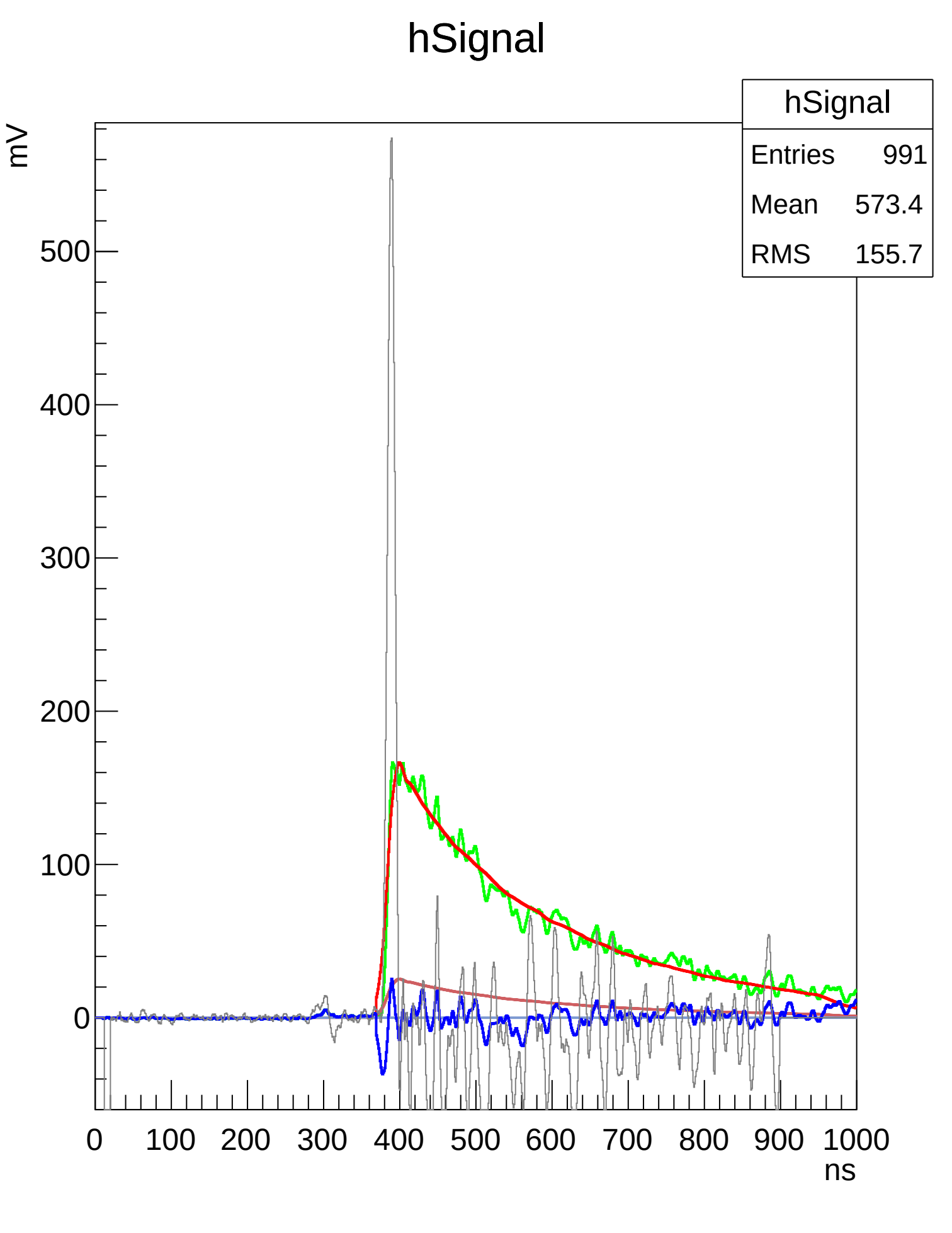

hSignal
hSignal
Entries 991
Mean 545.1
RMS 168.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

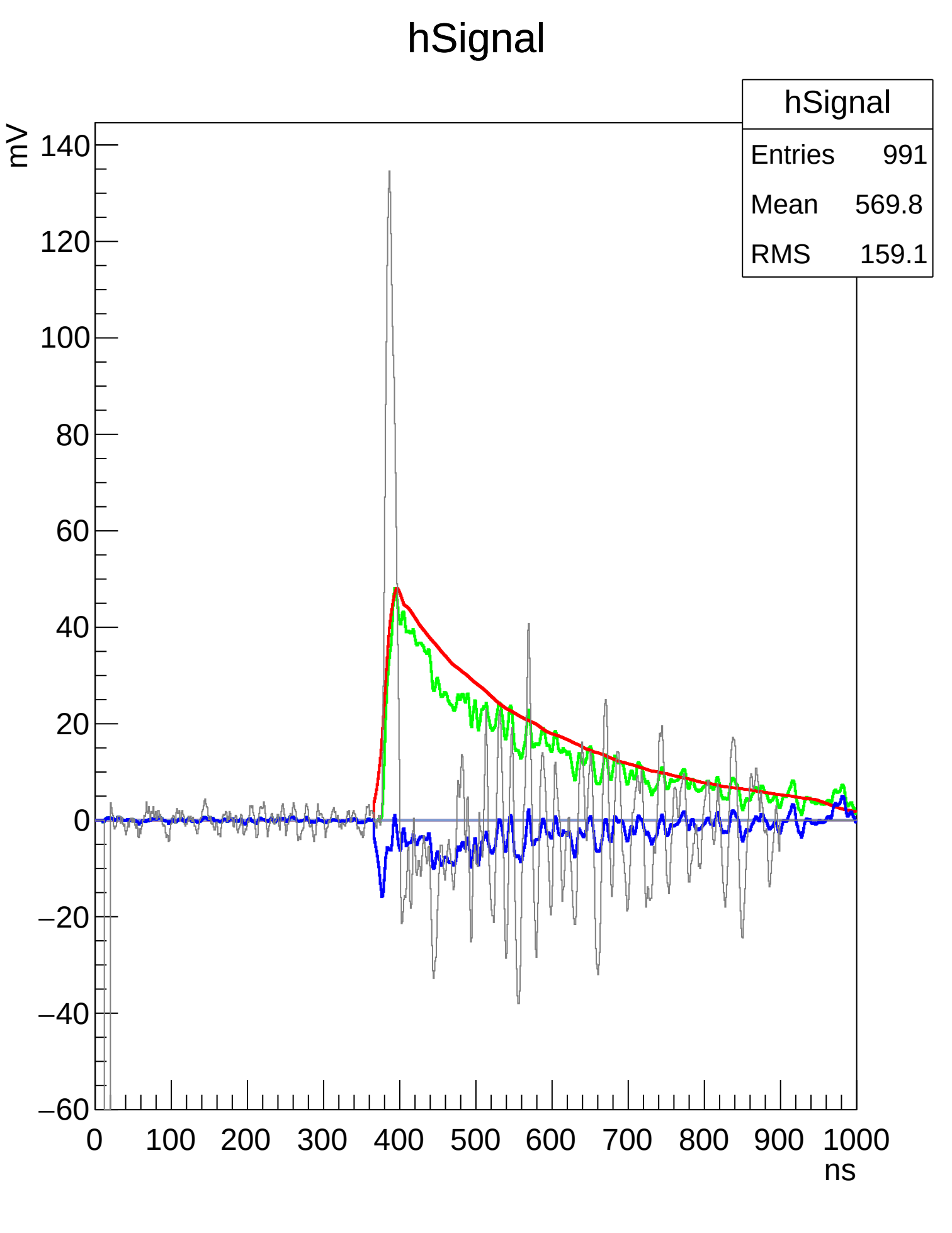

hSignal
hSignal
Entries 991
Mean 536.9
RMS 177.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

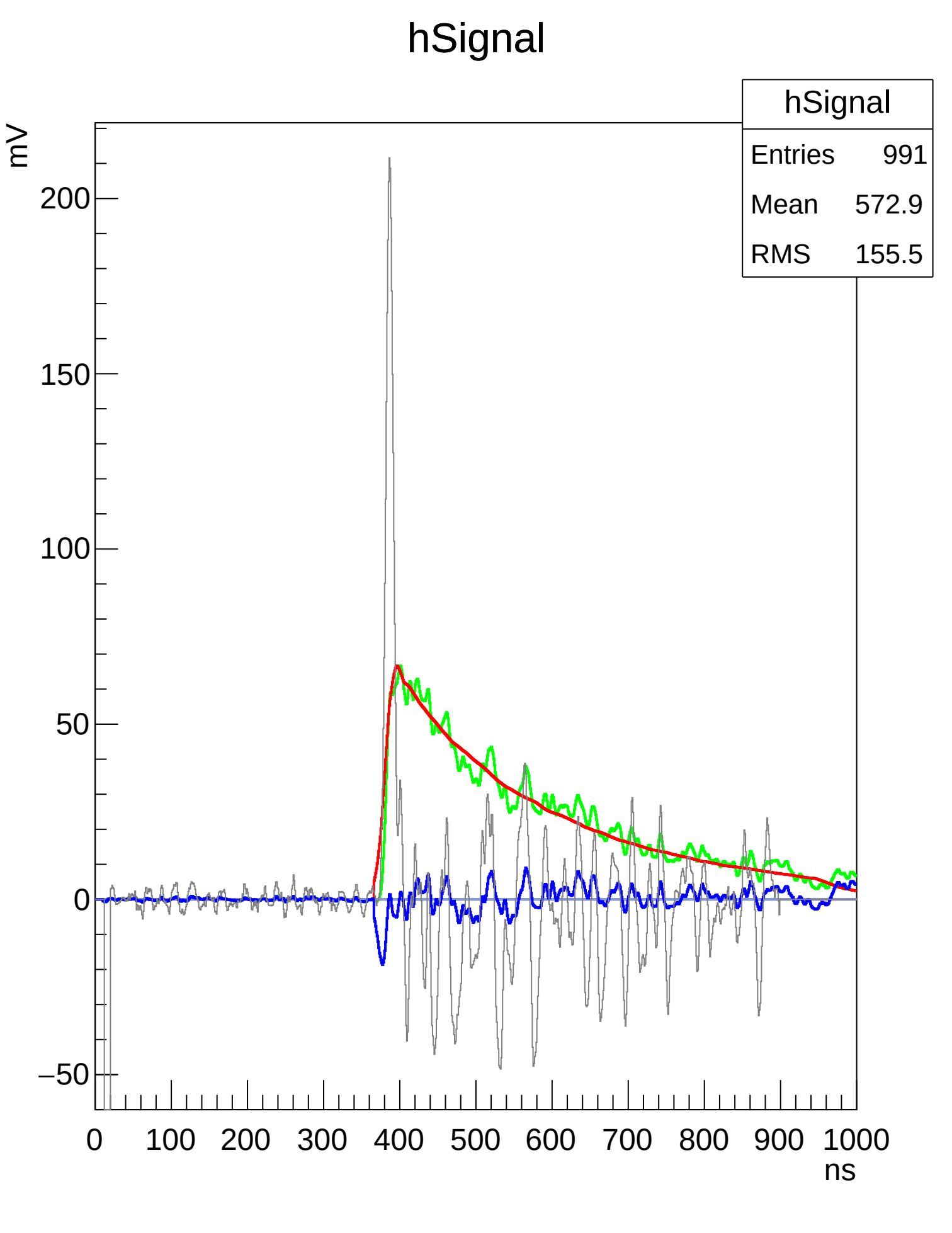

hSignal
hSignal
Entries 991
Mean 532.8
RMS 171.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

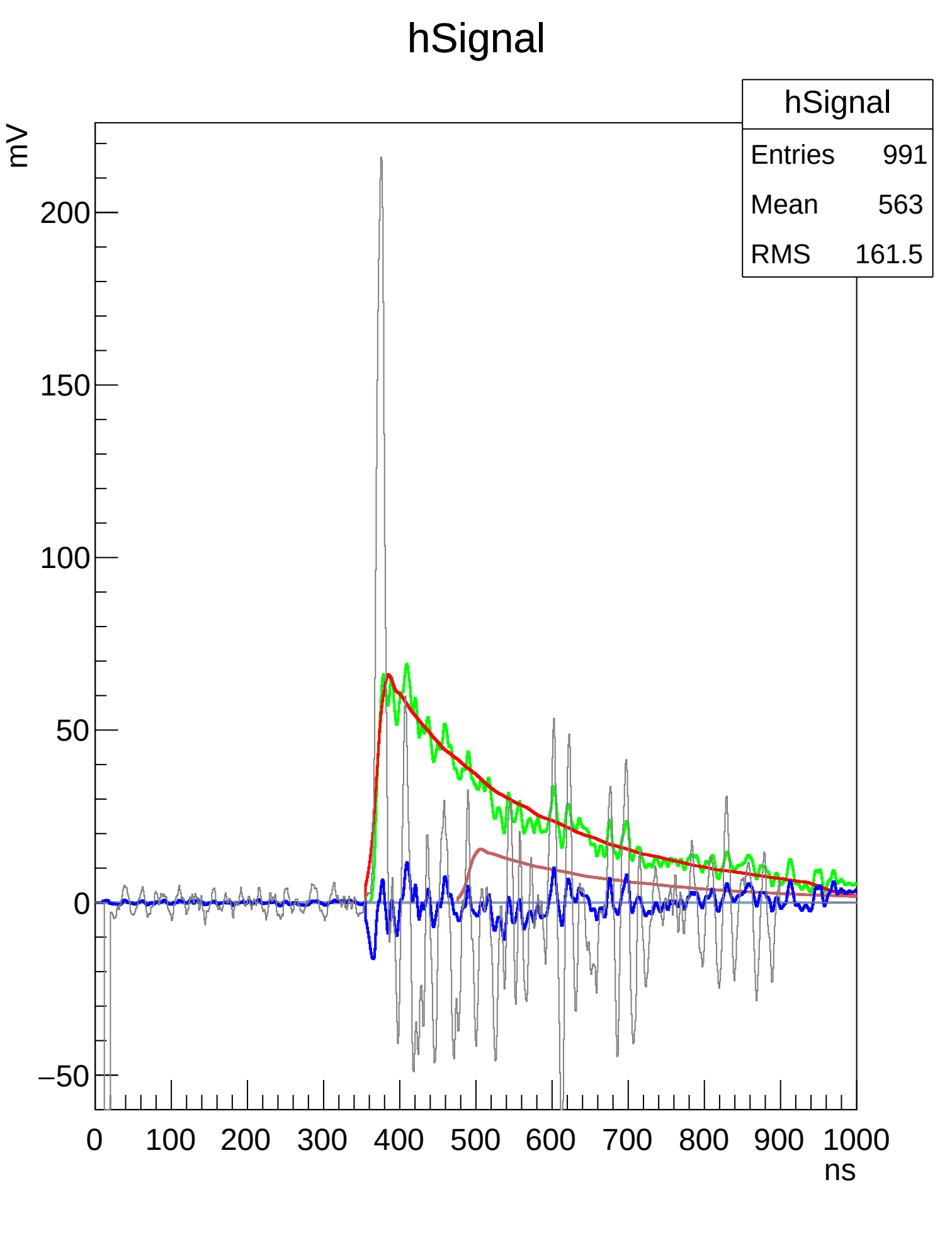

hSignal
hSignal
Entries 991
Mean 568.7
RMS 164
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

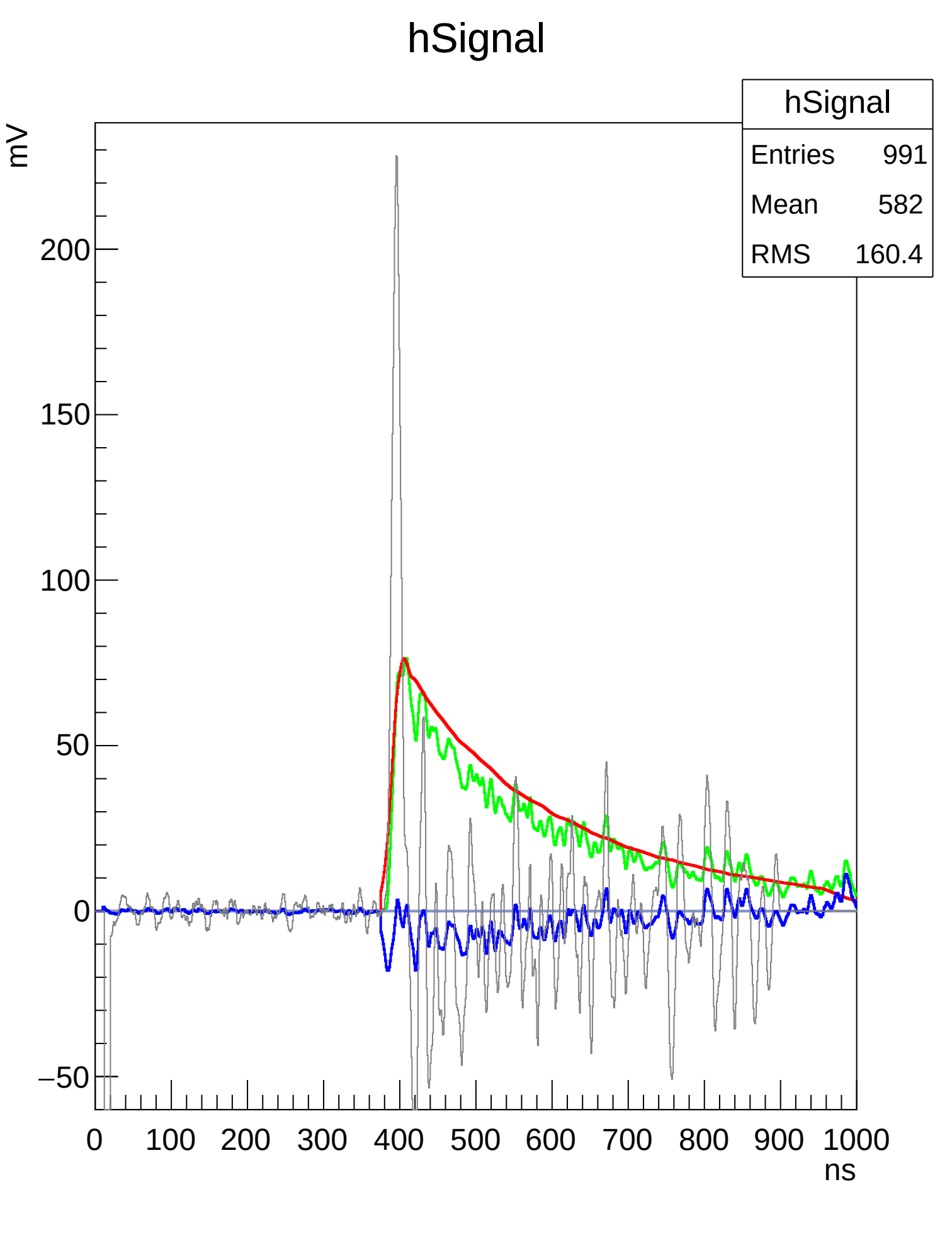

hSignal
hSignal
Entries 991
Mean 574.1
RMS 160.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

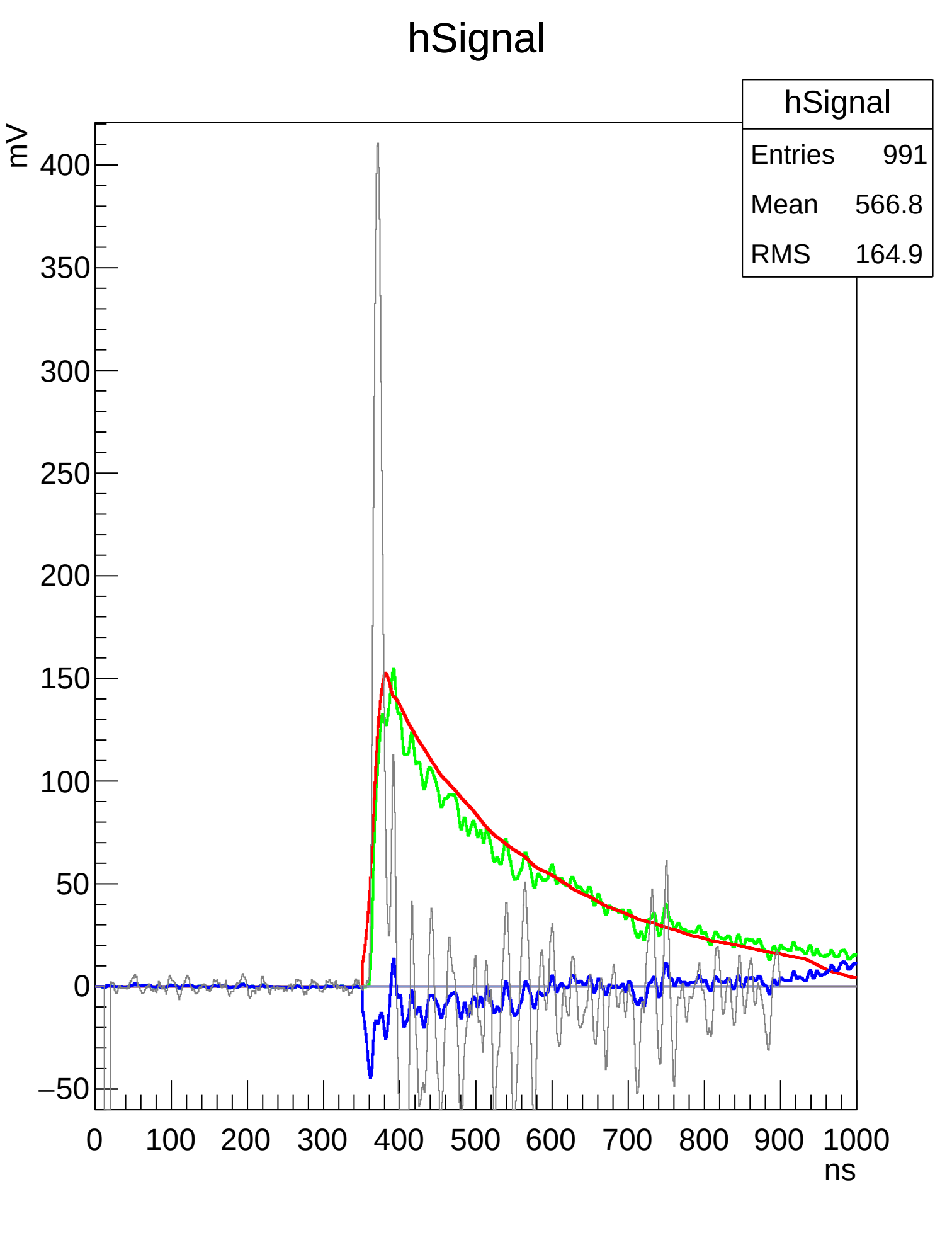

hSignal
hSignal
Entries 991
Mean 573.4
RMS 155.7
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

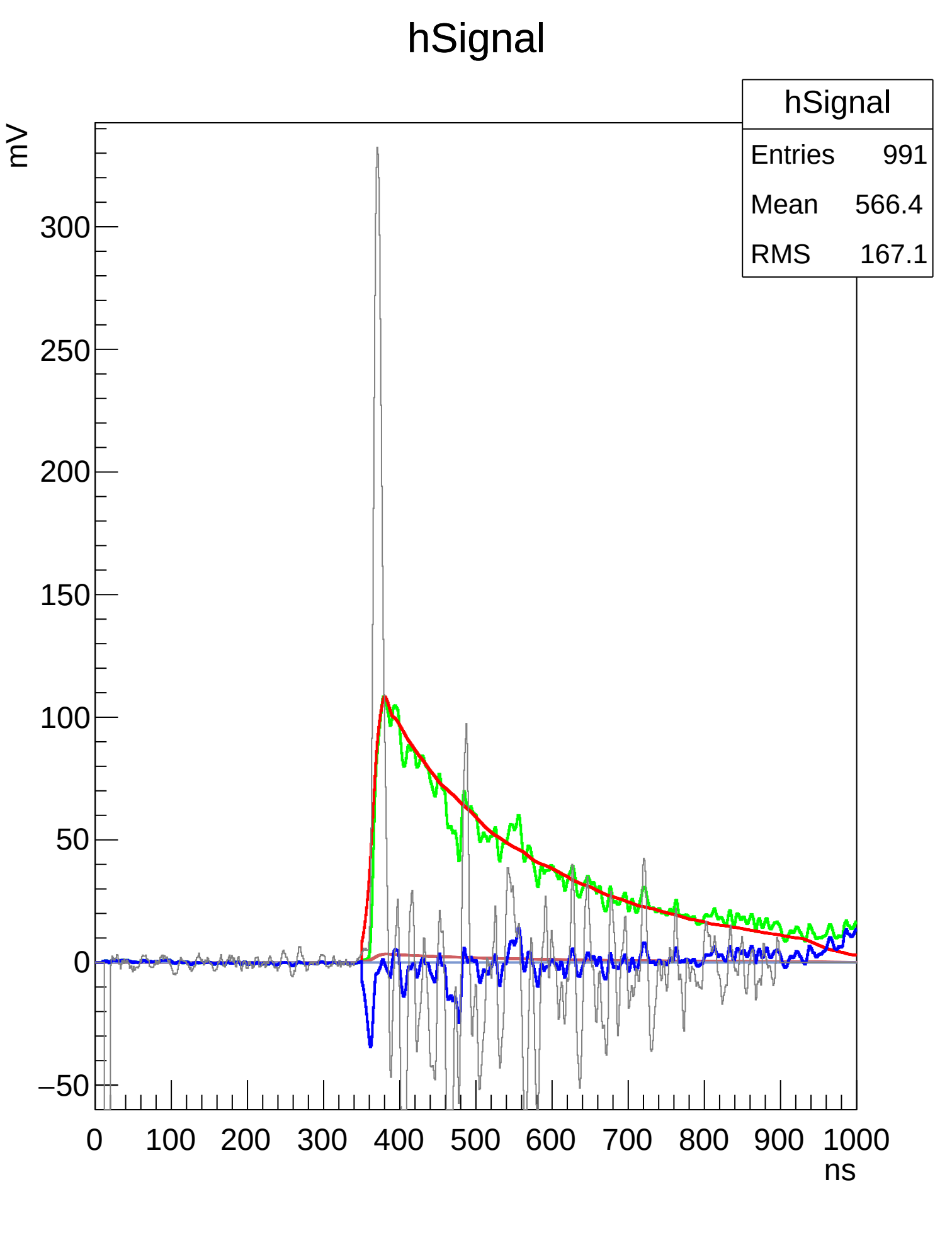

hSignal
hSignal
Entries 991
Mean 569.8
RMS 159.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

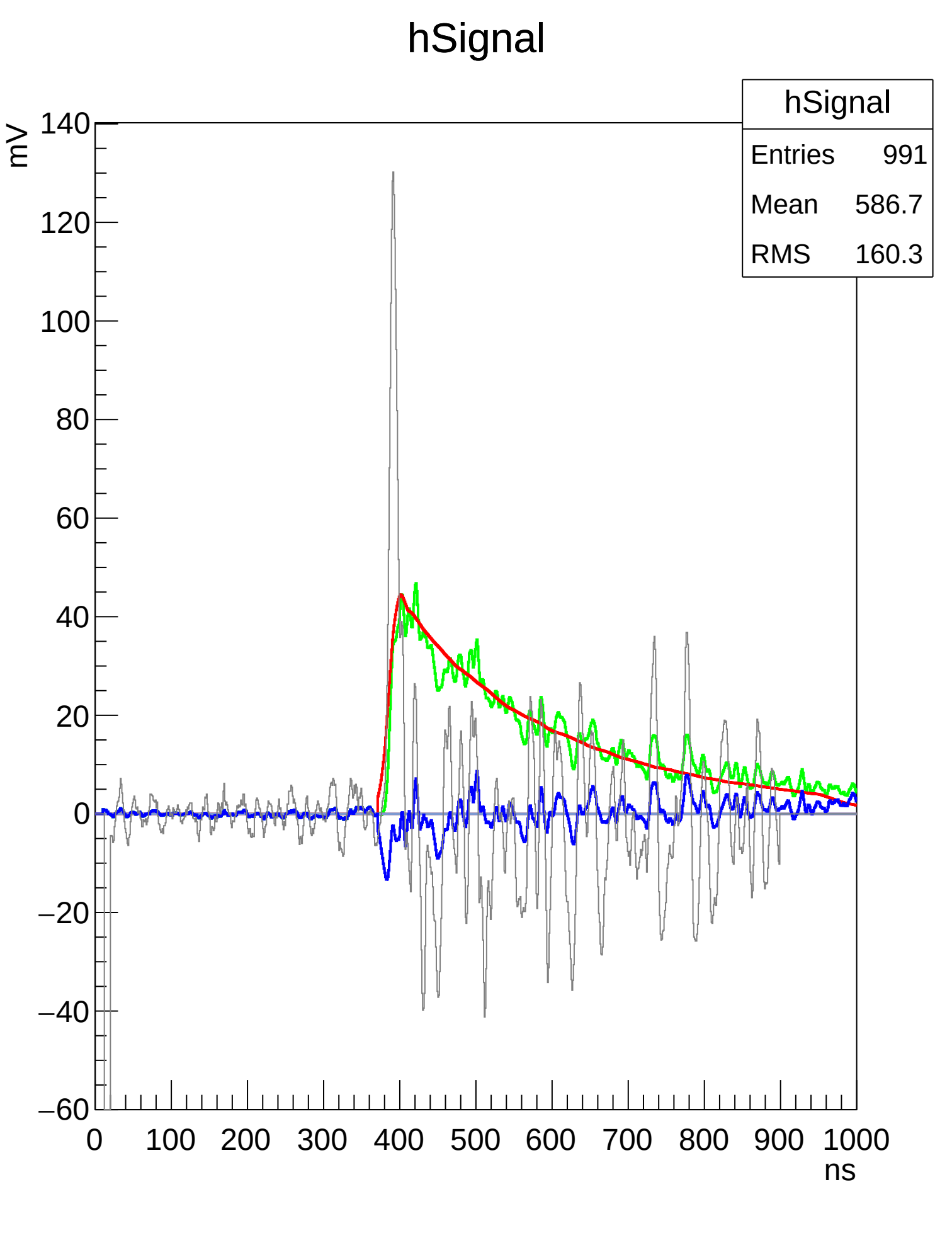

hSignal
hSignal
Entries 991
Mean 572.9
RMS 155.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

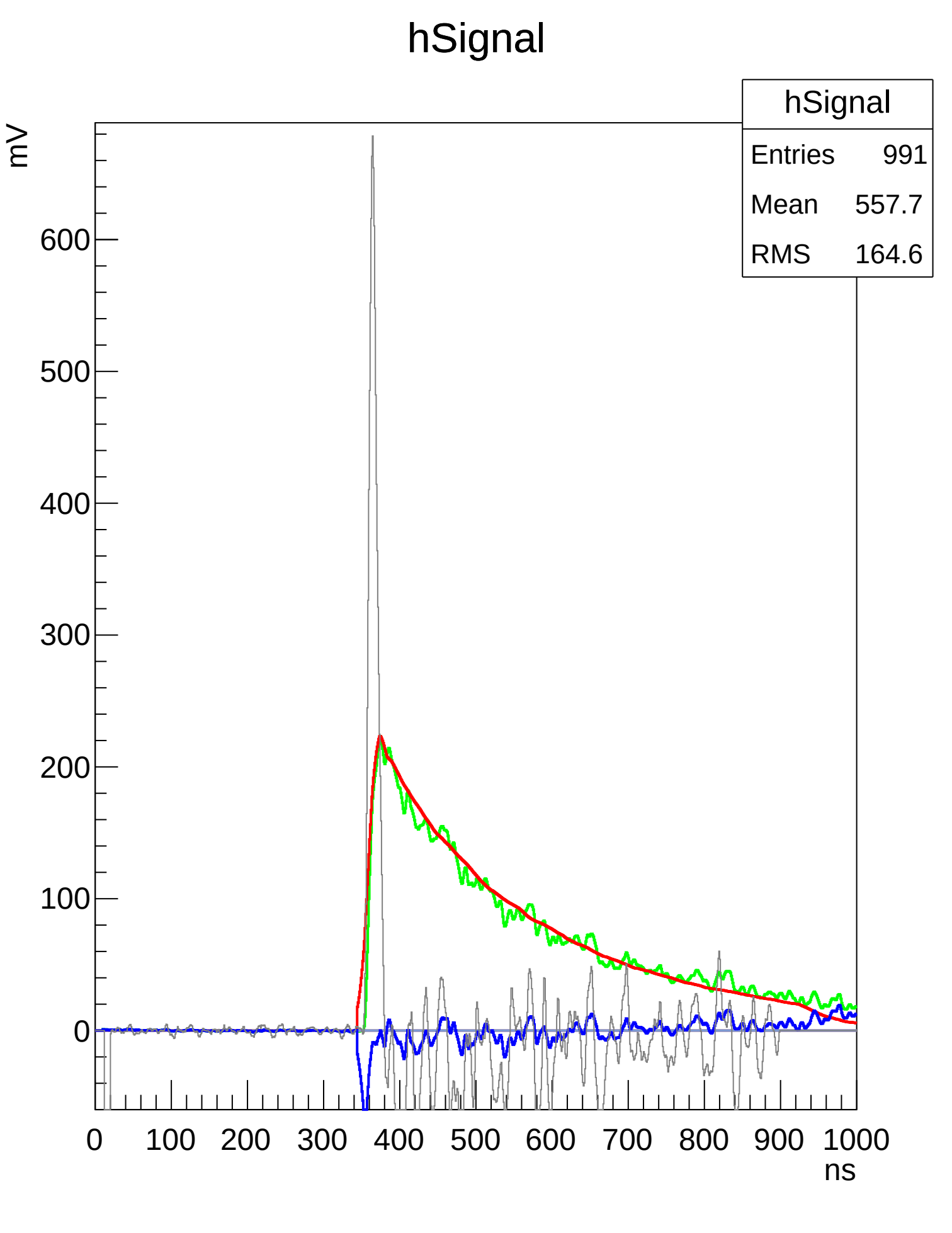

hSignal
hSignal
Entries 991
Mean 563
RMS 161.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

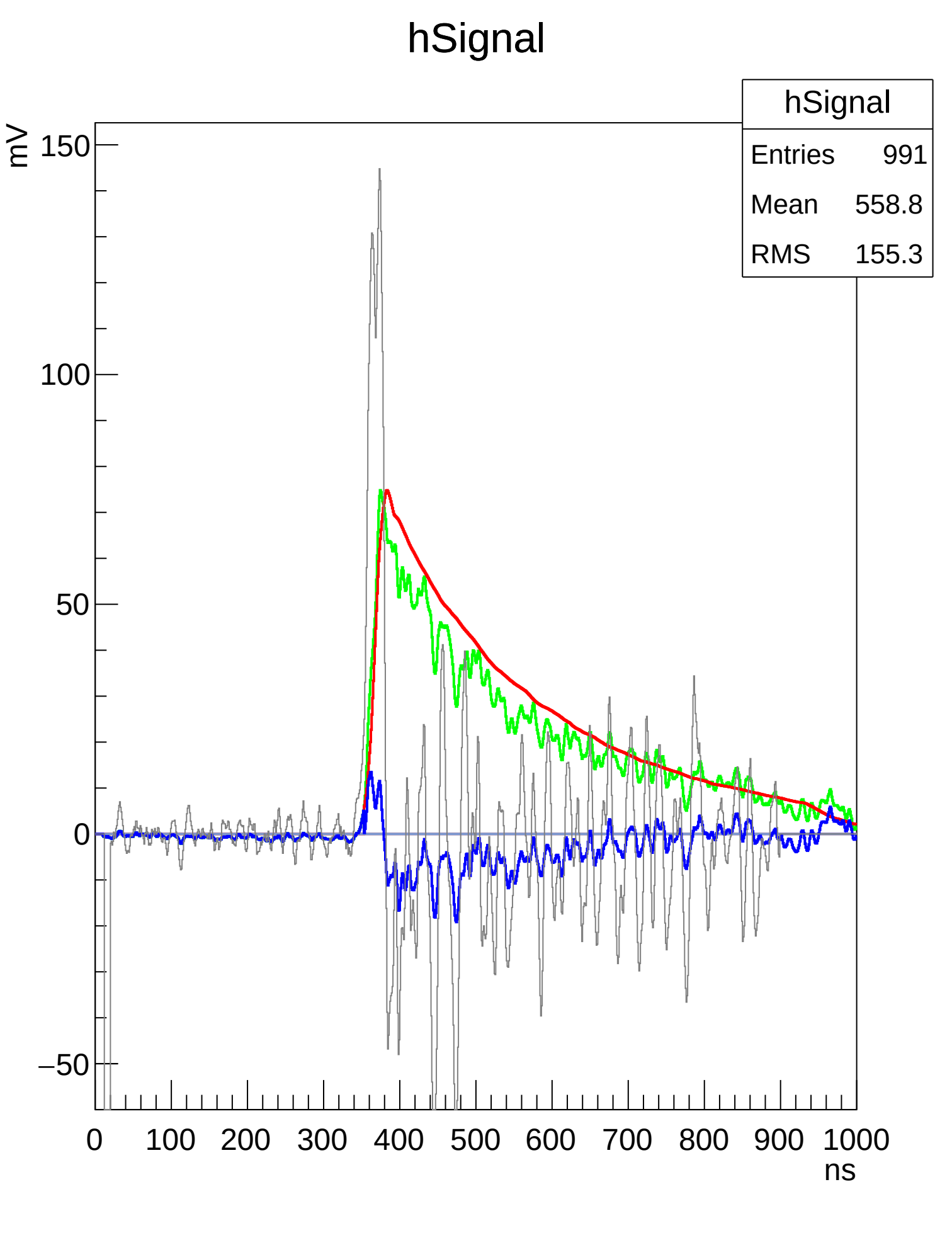

hSignal
hSignal
Entries 991
Mean 582
RMS 160.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

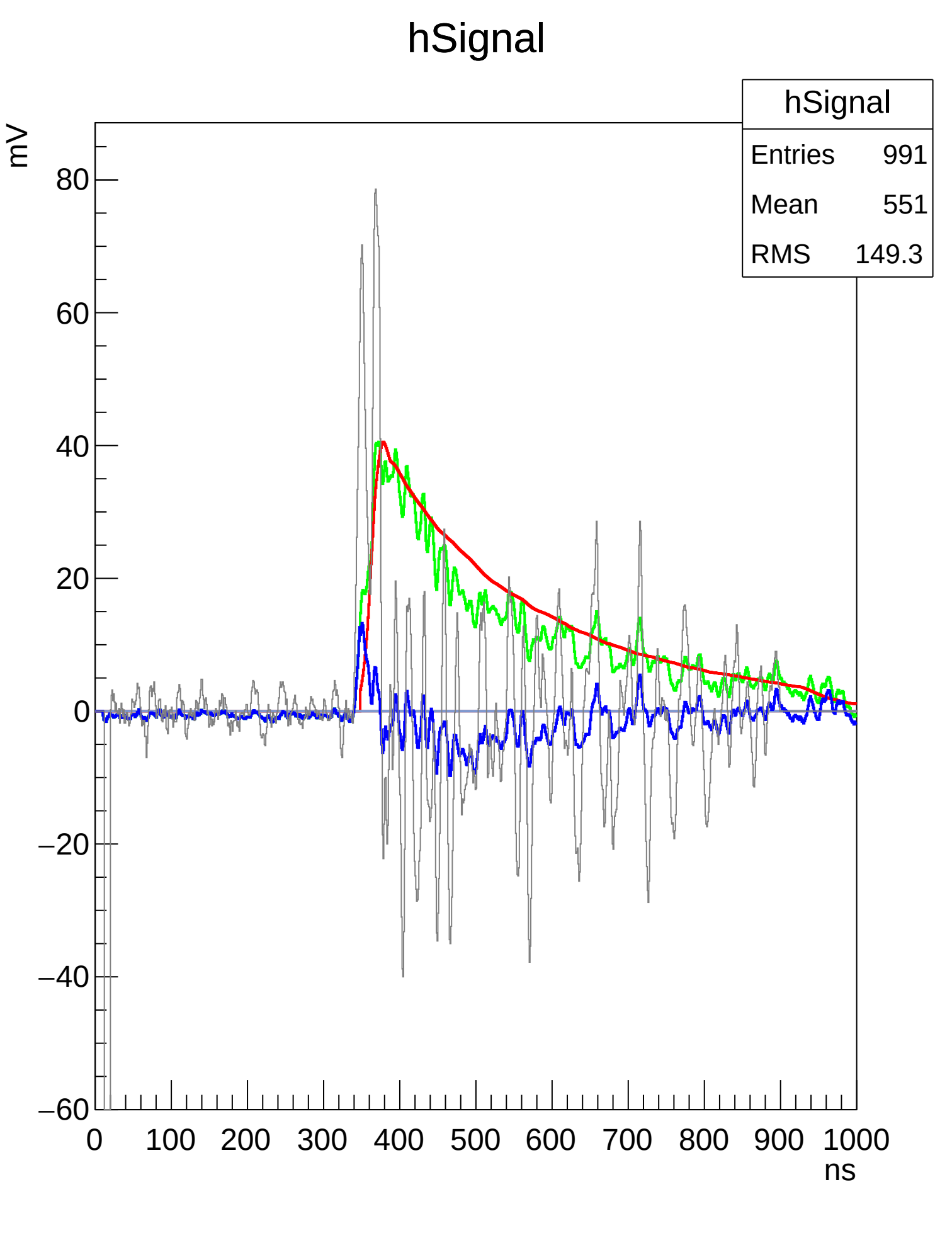

hSignal
hSignal
Entries 991
Mean 566.8
RMS 164.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

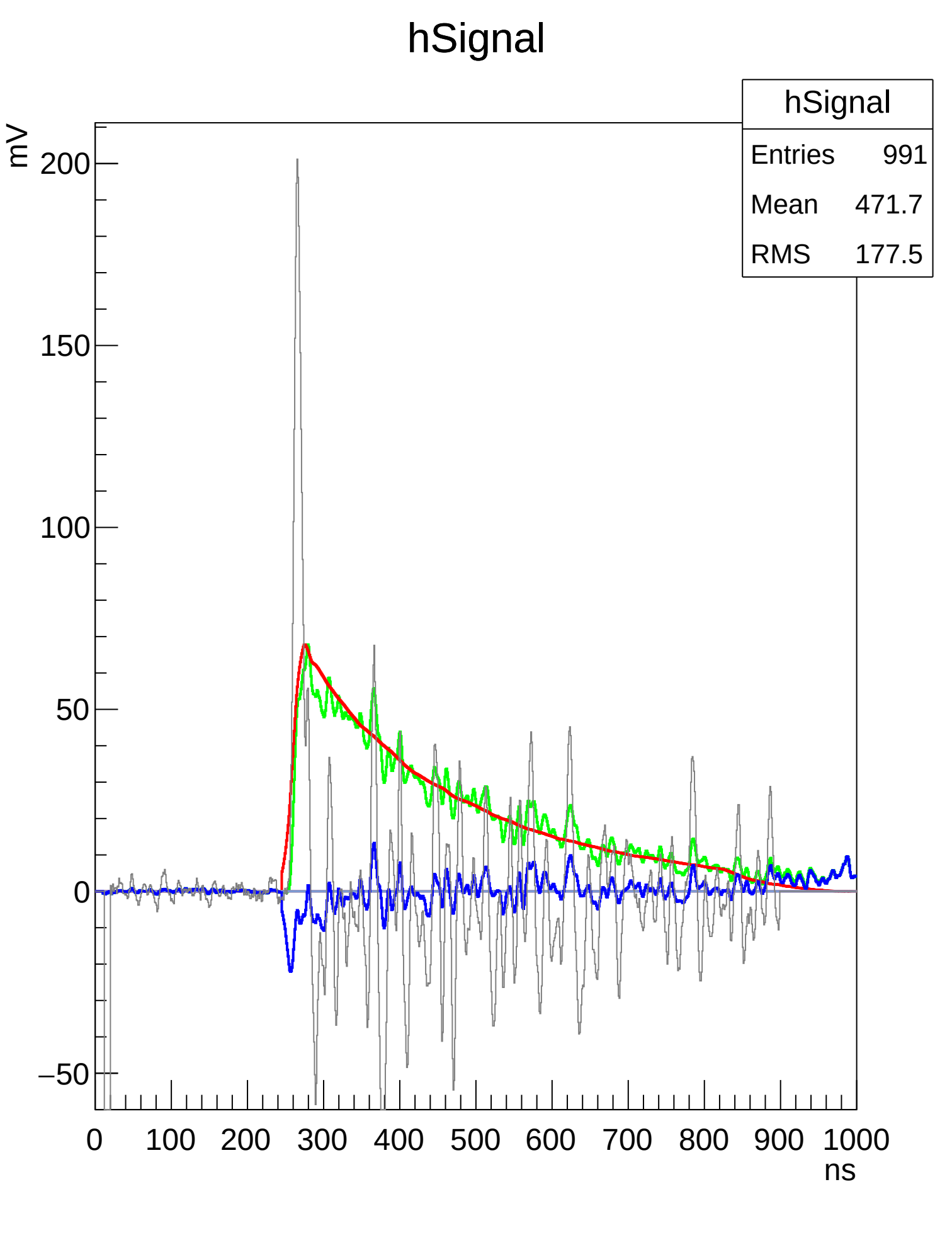

hSignal
hSignal
Entries 991
Mean 566.4
RMS 167.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

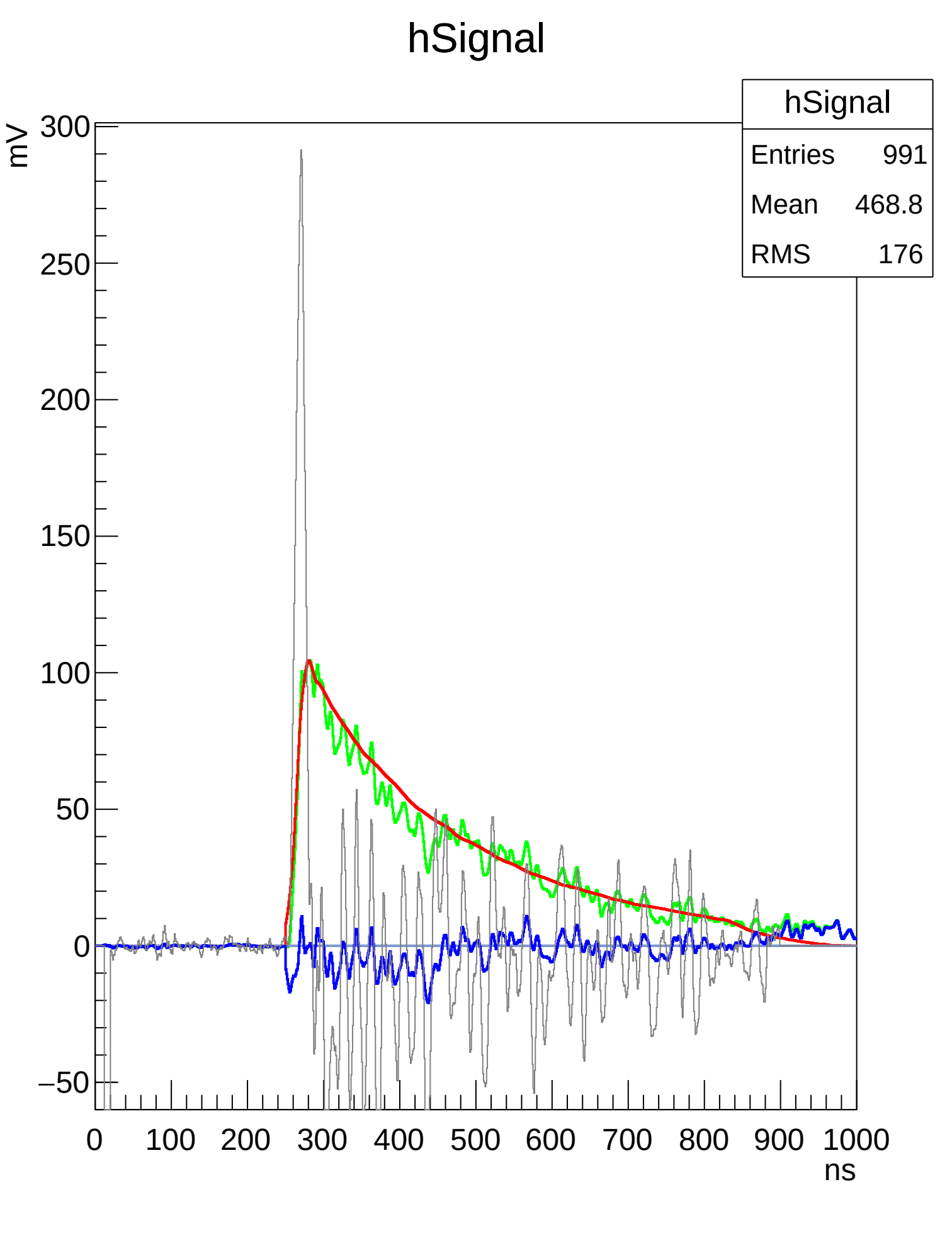

hSignal
hSignal
Entries 991
Mean 586.7
RMS 160.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

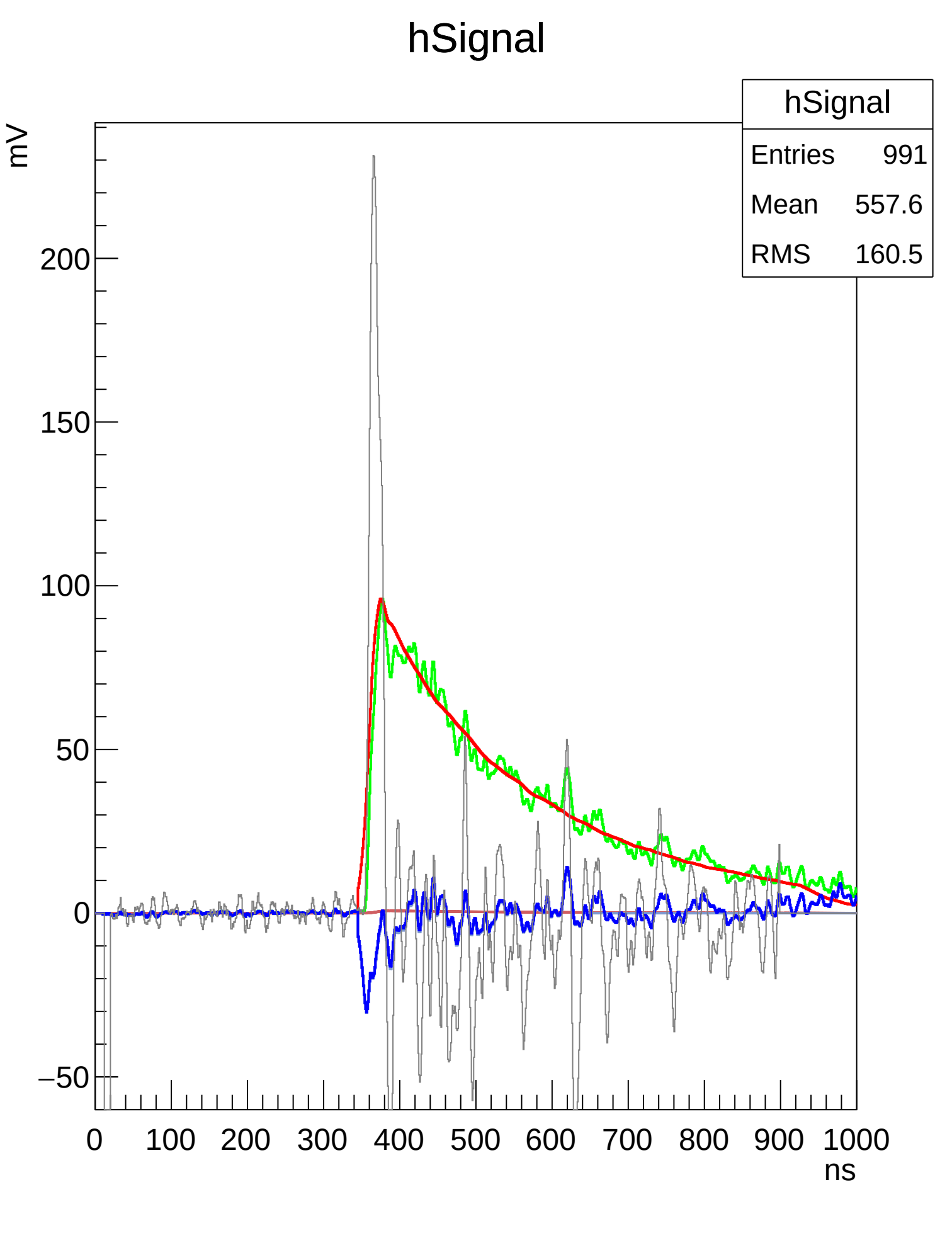

hSignal
hSignal
Entries 991
Mean 557.7
RMS 164.6
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

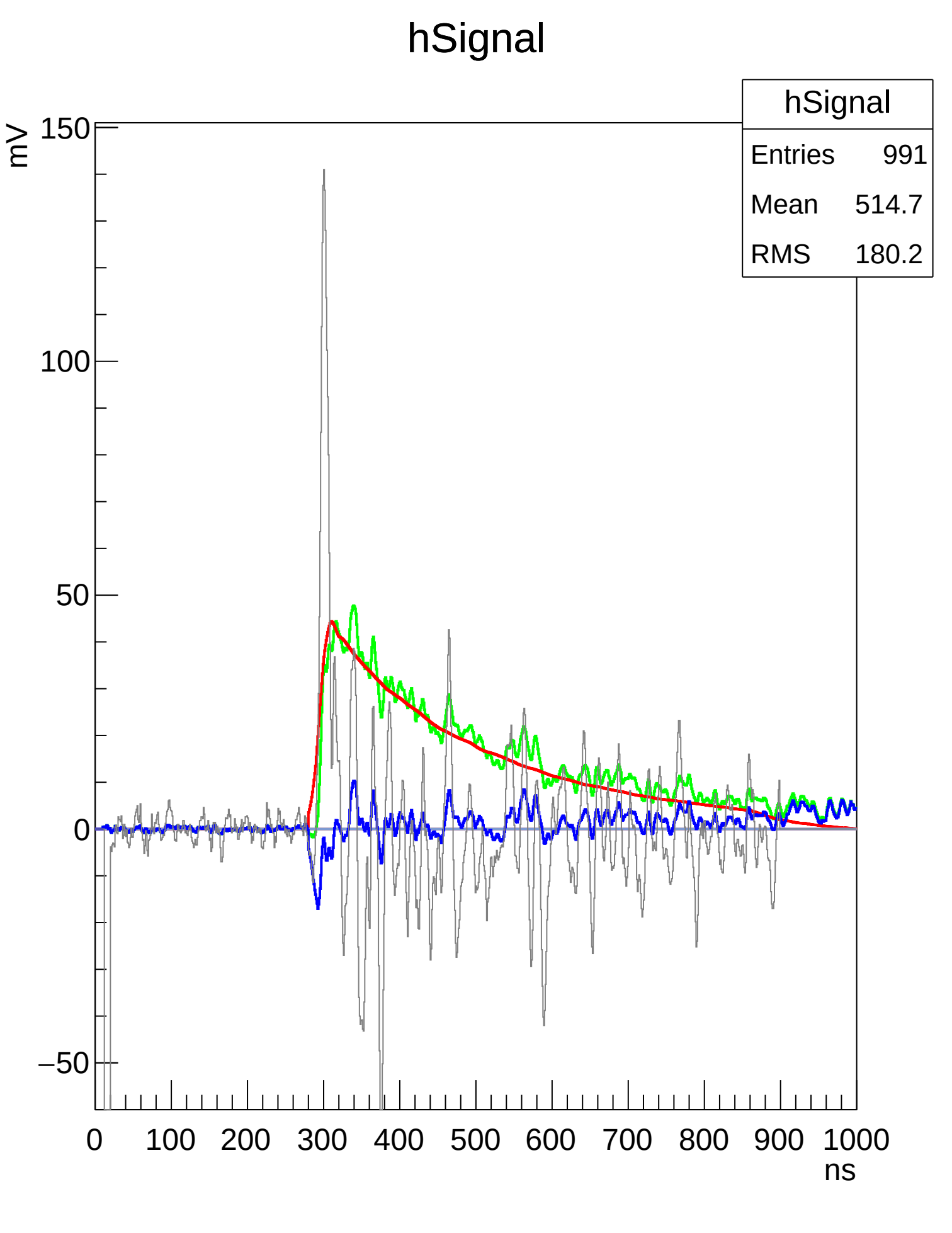

hSignal
hSignal
Entries 991
Mean 558.8
RMS 155.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

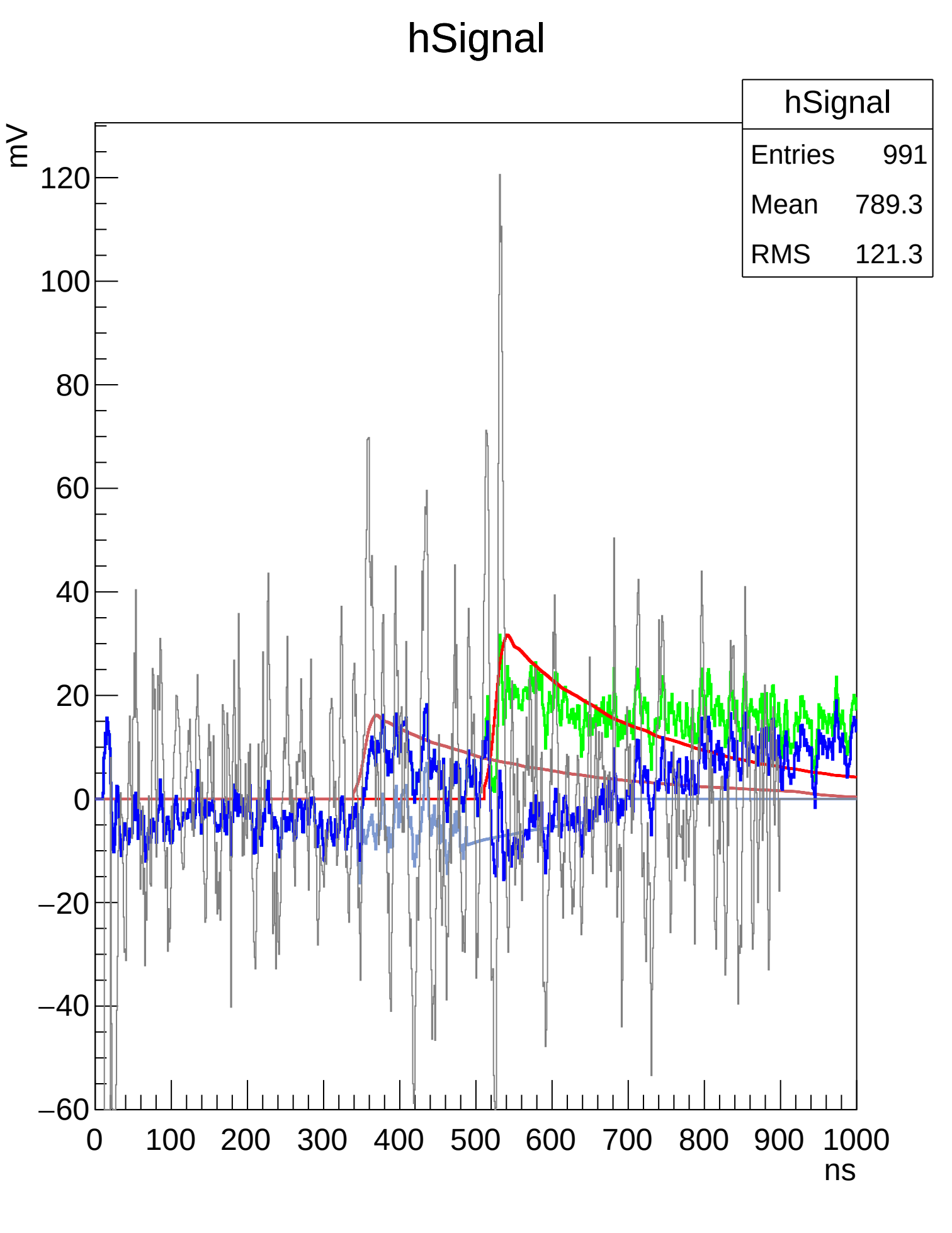

hSignal
hSignal
Entries 991
Mean 551
RMS 149.3
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

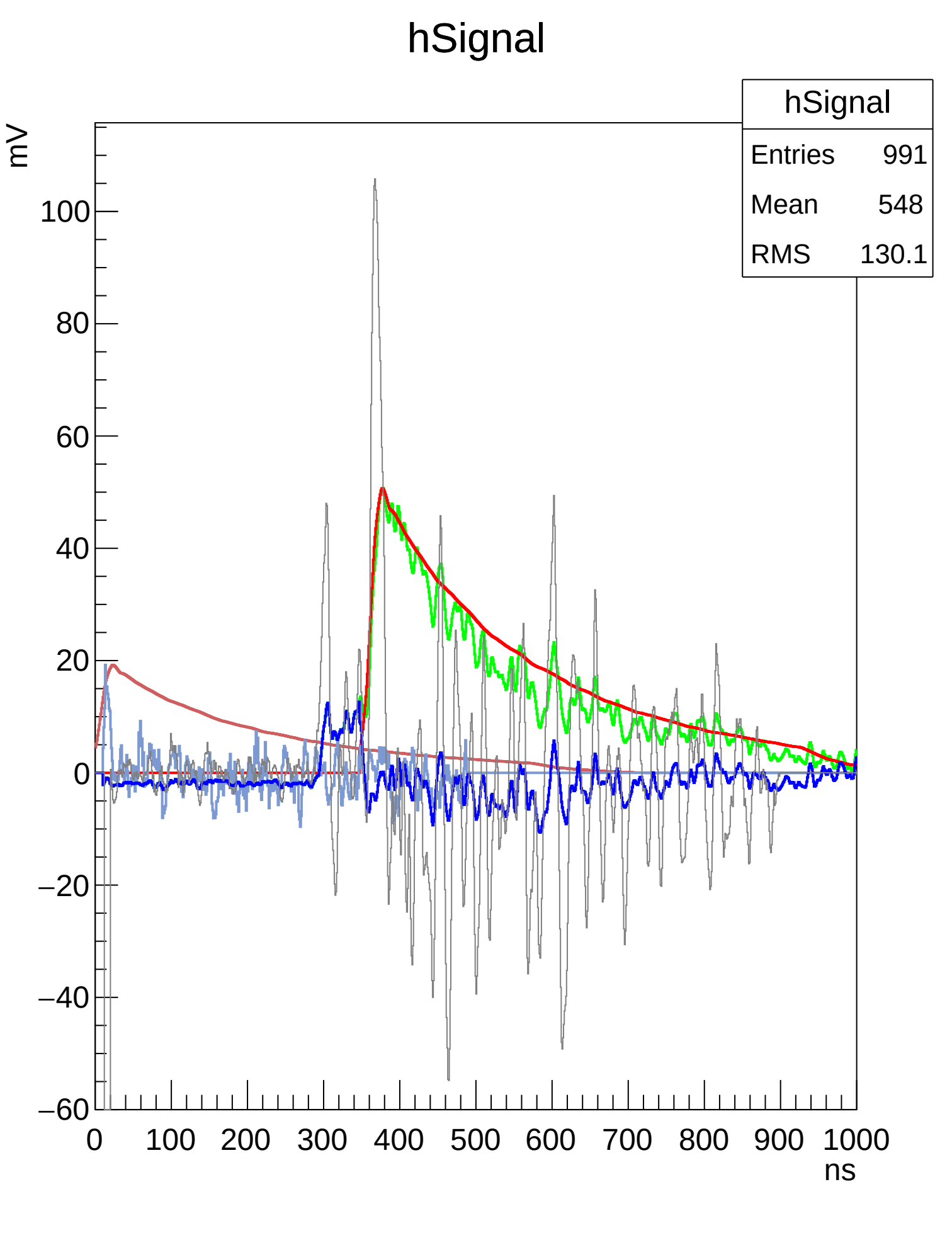

hSignal
hSignal
Entries 991
Mean 471.7
RMS 177.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

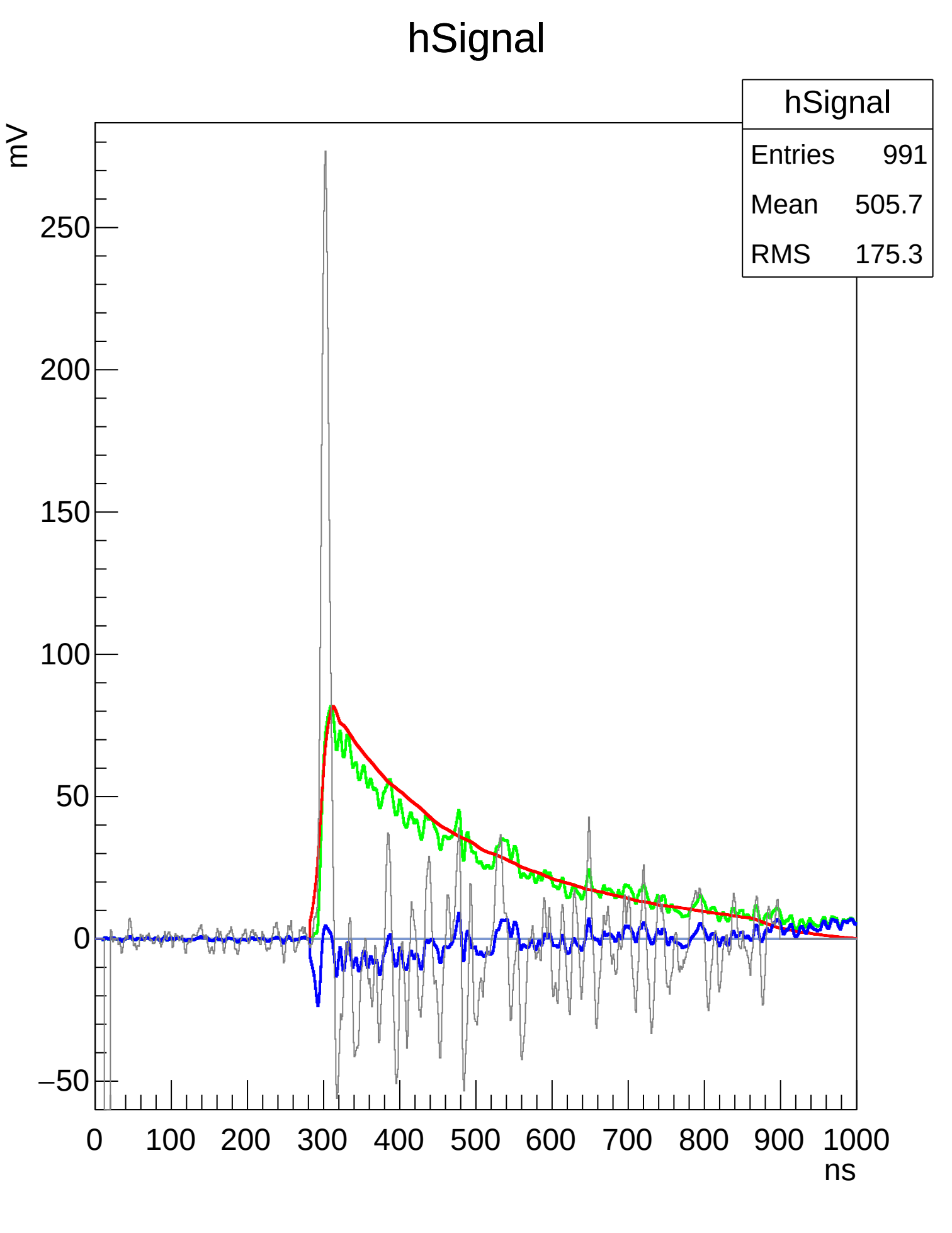

hSignal
hSignal
Entries 991
Mean 468.8
RMS 176
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

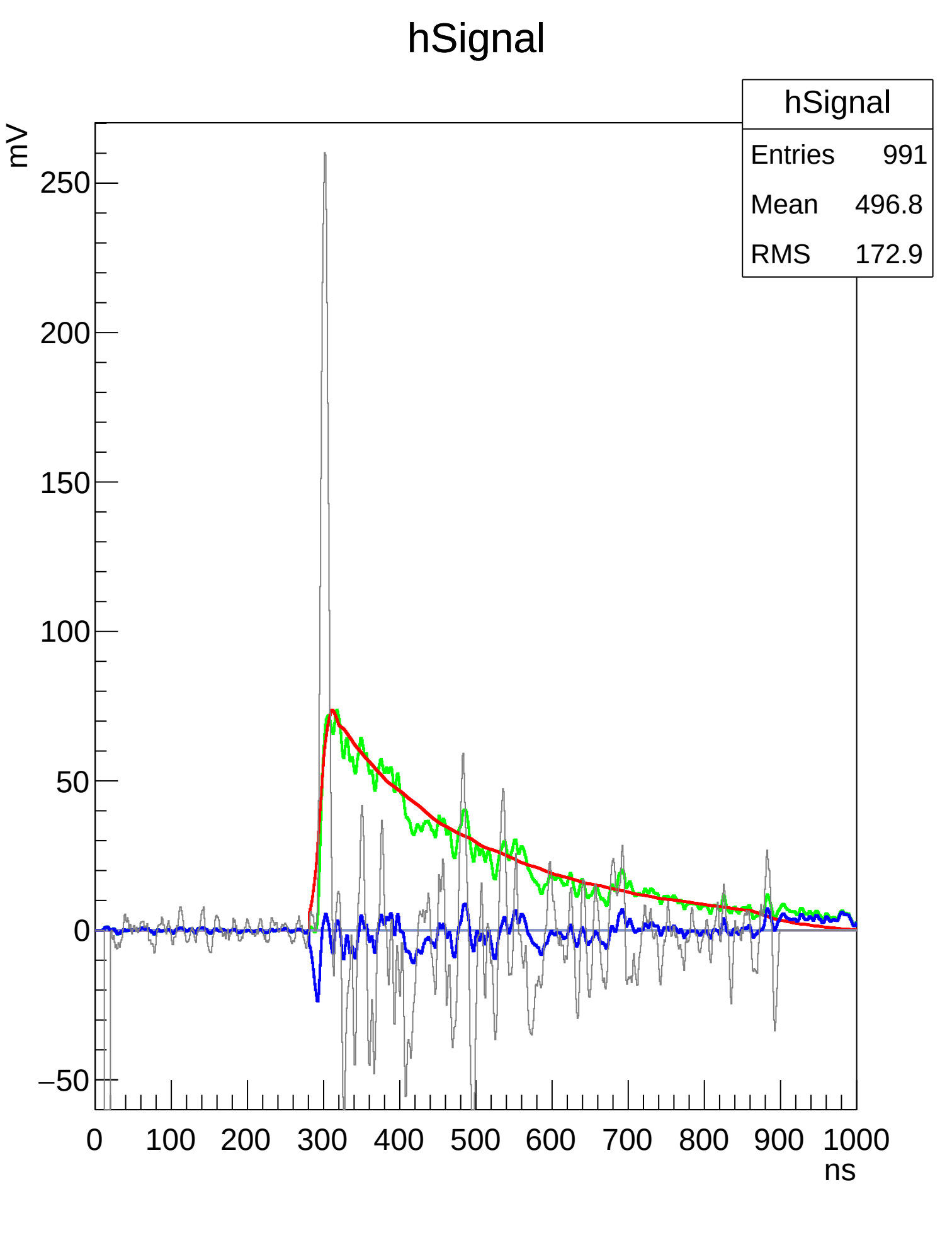

hSignal
hSignal
Entries 991
Mean 557.6
RMS 160.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

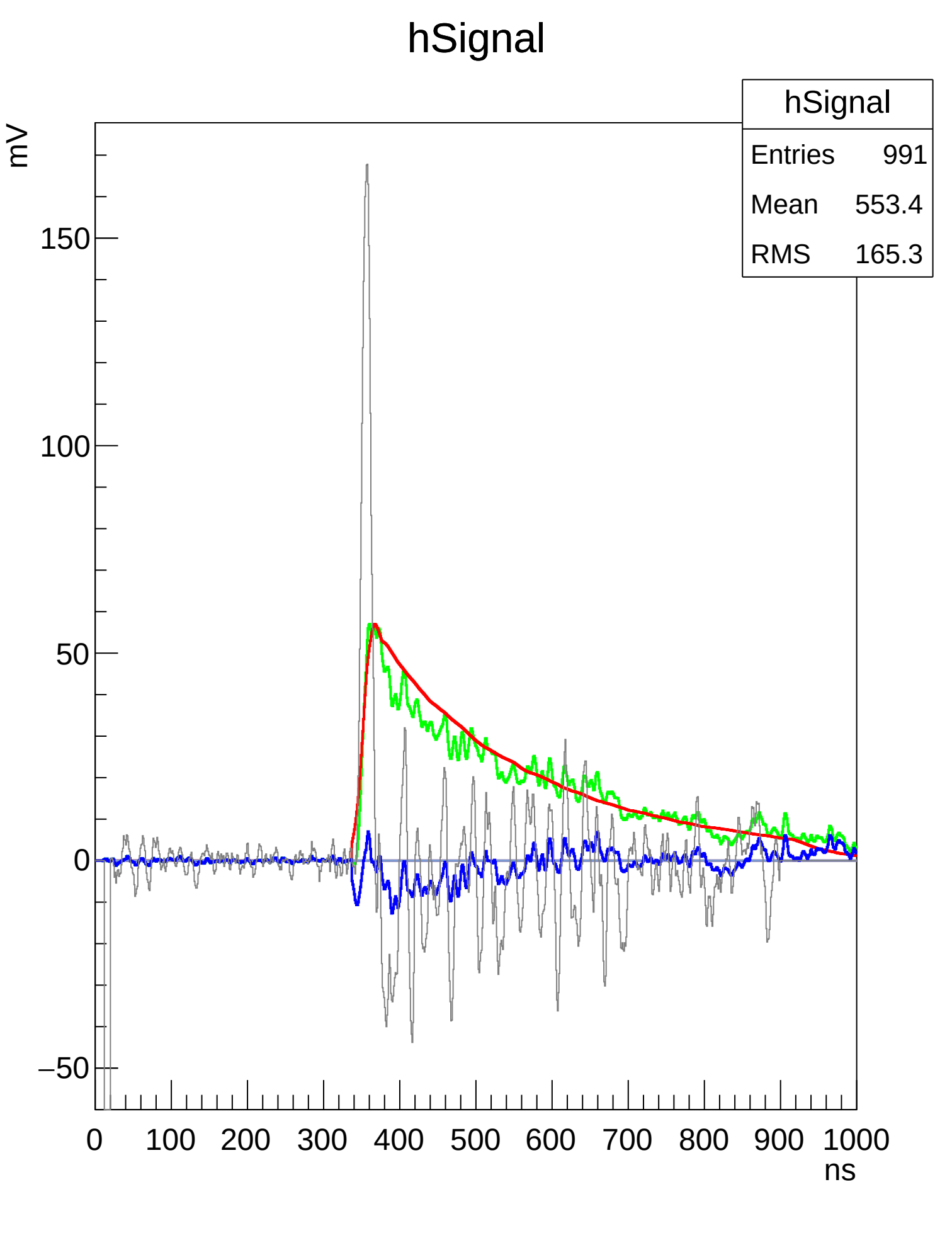

hSignal
hSignal
Entries 991
Mean 514.7
RMS 180.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

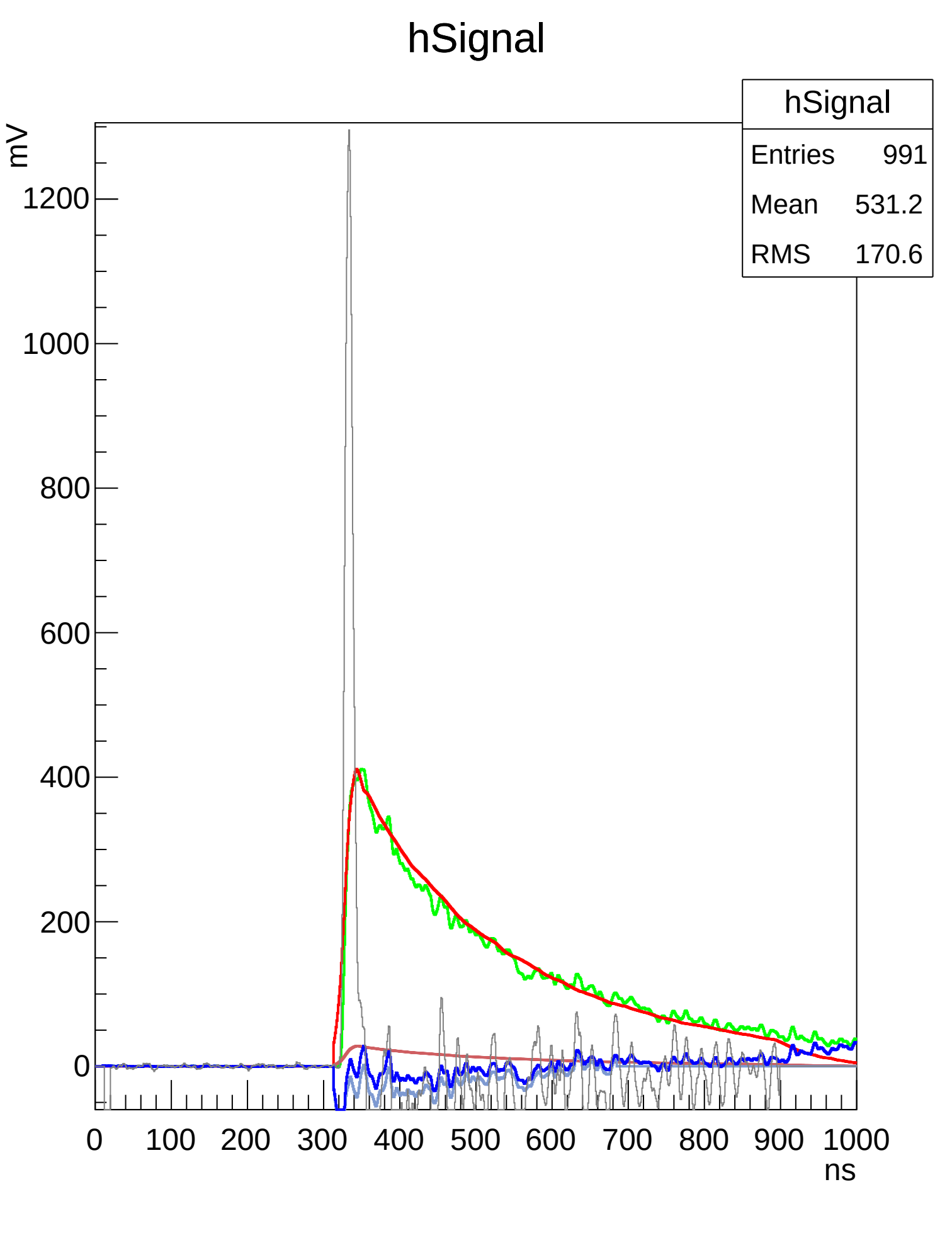

hSignal
hSignal
Entries 991
Mean 789.3
RMS 121.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

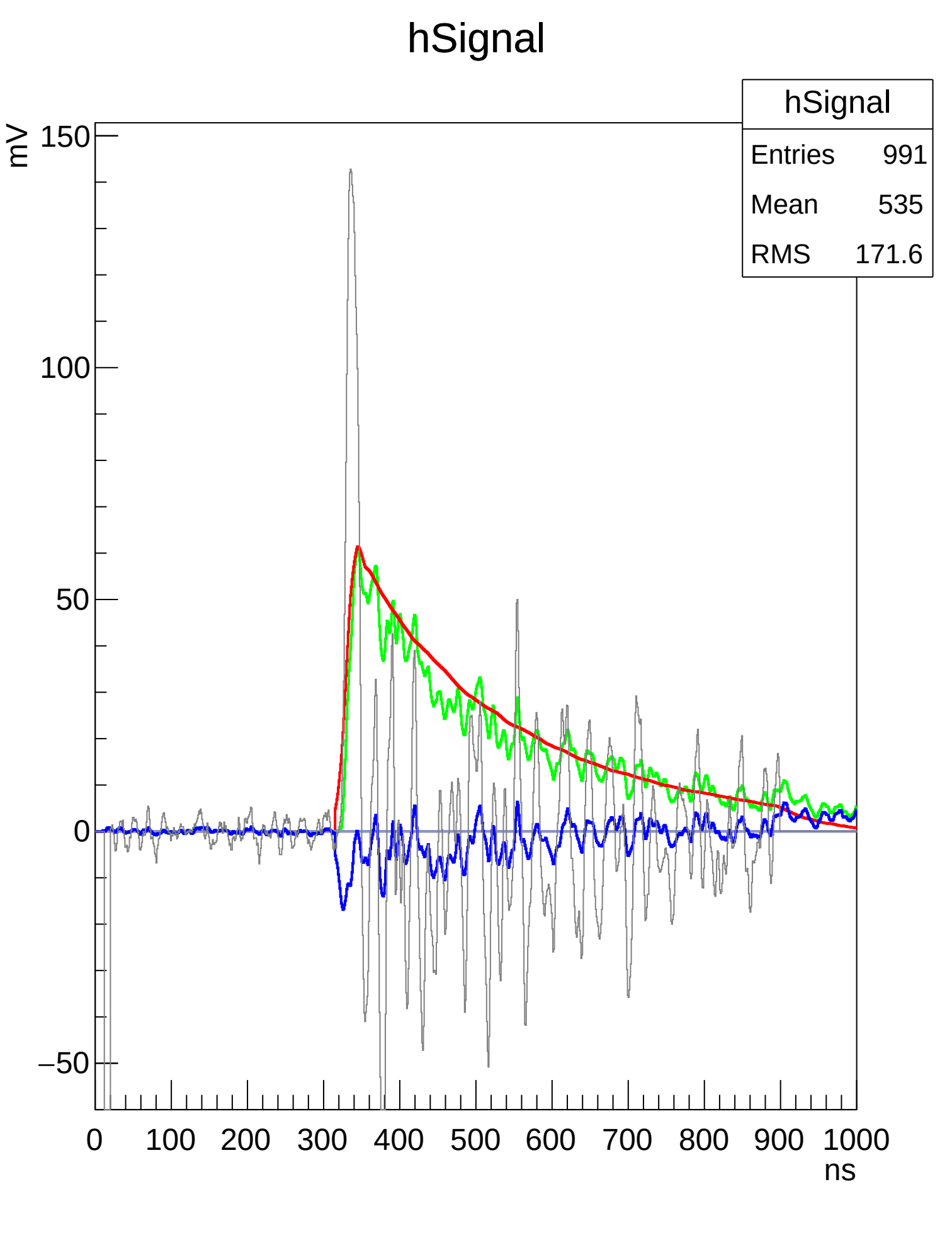

hSignal
hSignal
Entries 991
Mean 548
RMS 130.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

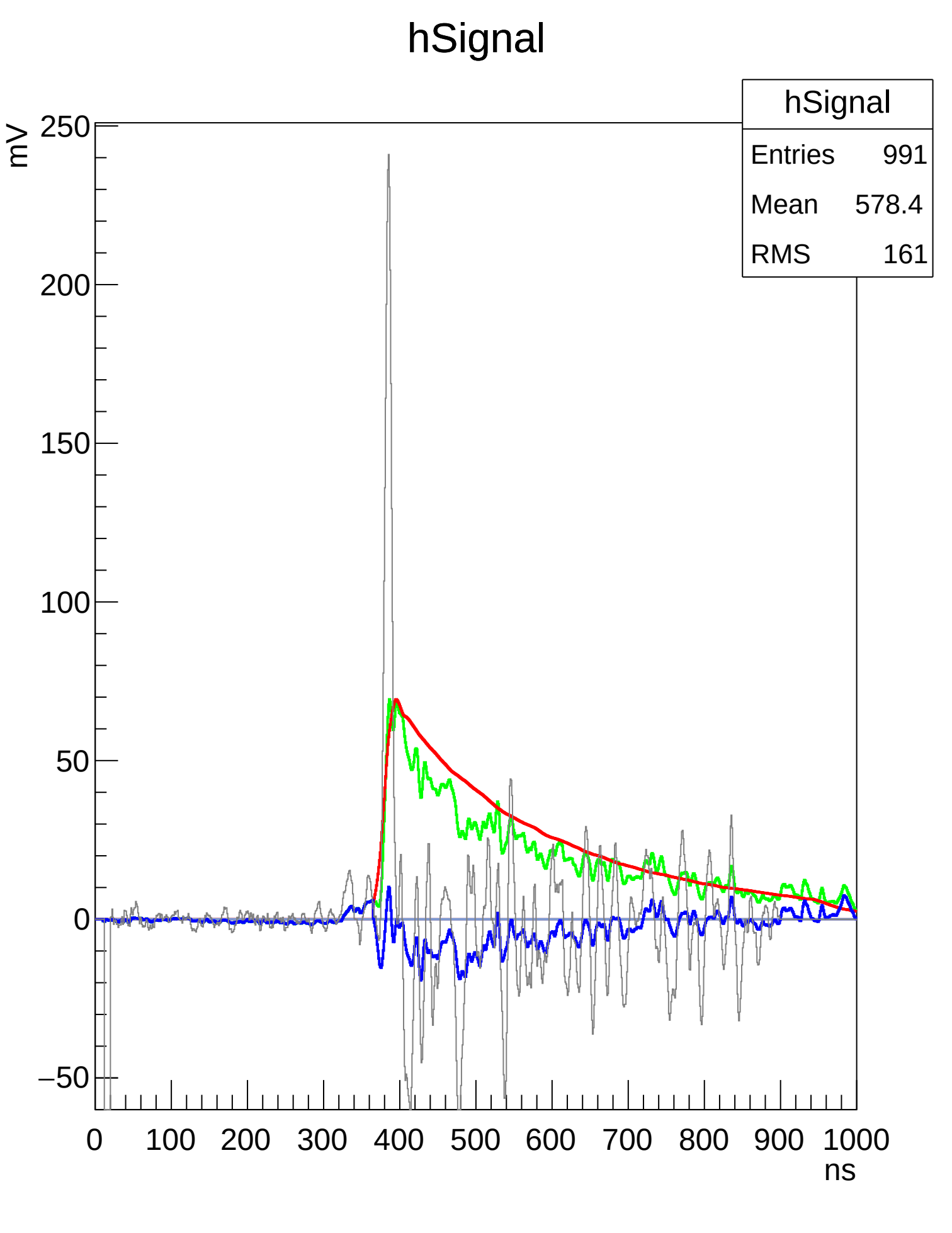

hSignal
hSignal
Entries 991
Mean 505.7
RMS 175.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

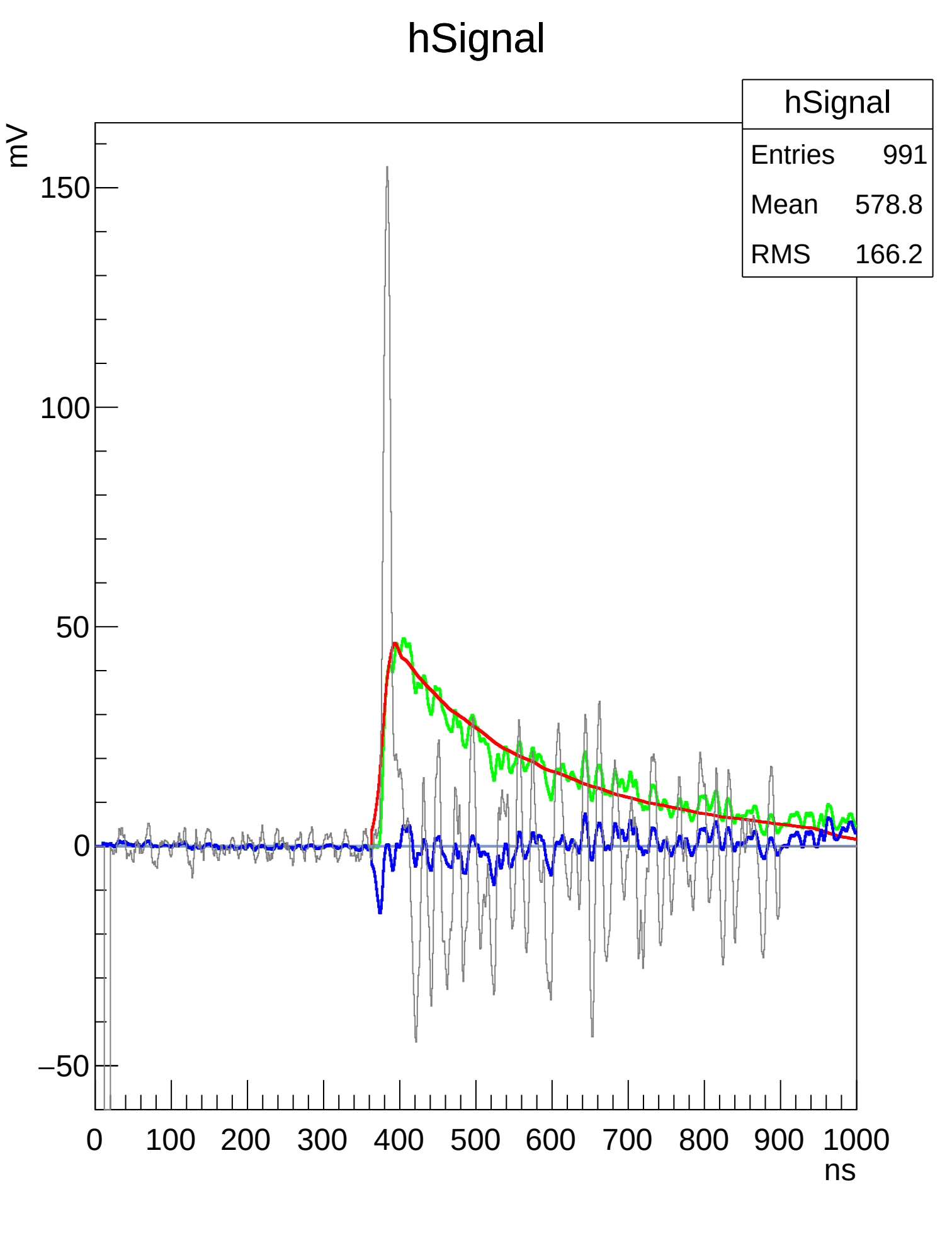

hSignal
hSignal
Entries 991
Mean 496.8
RMS 172.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

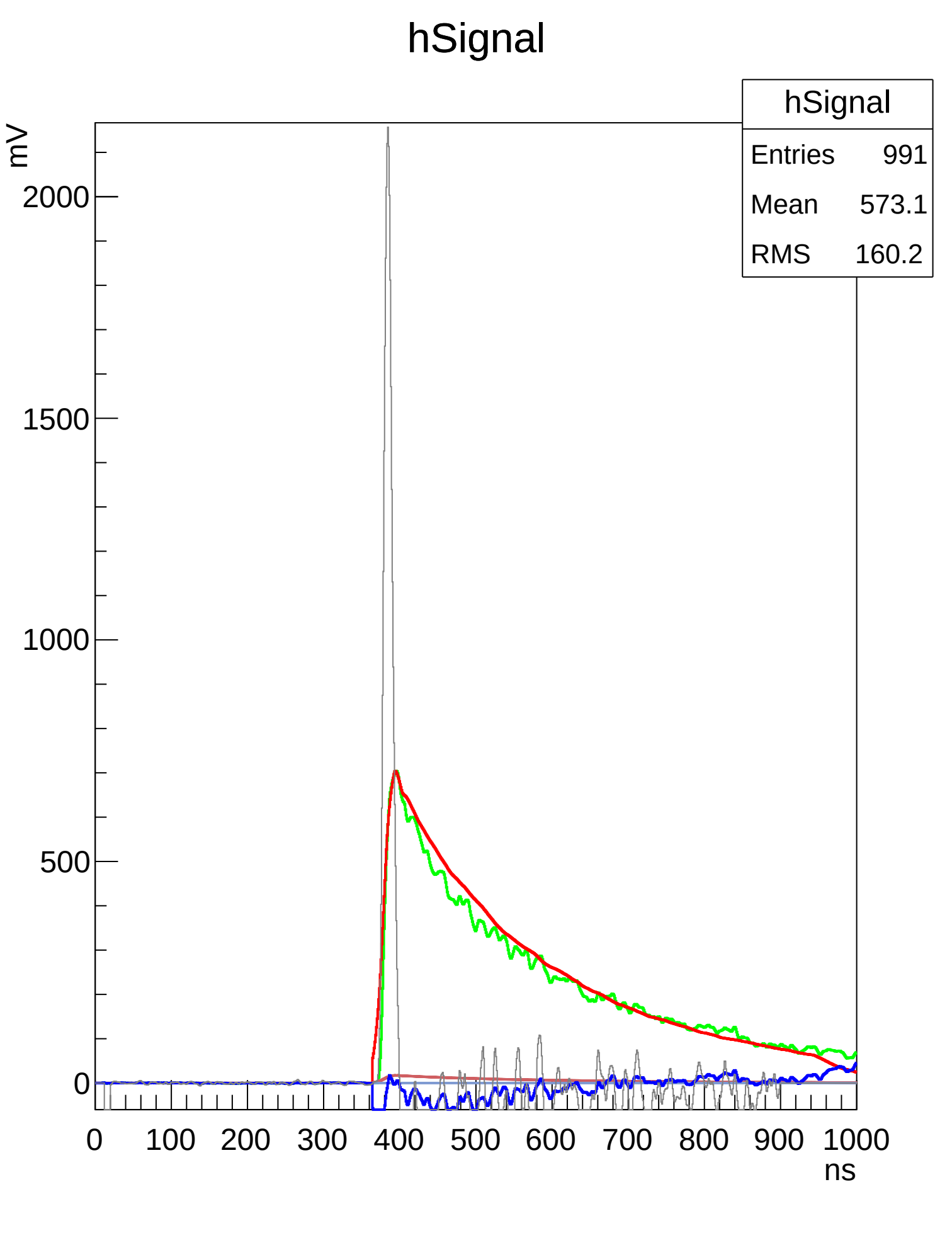

hSignal
hSignal
Entries 991
Mean 553.4
RMS 165.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

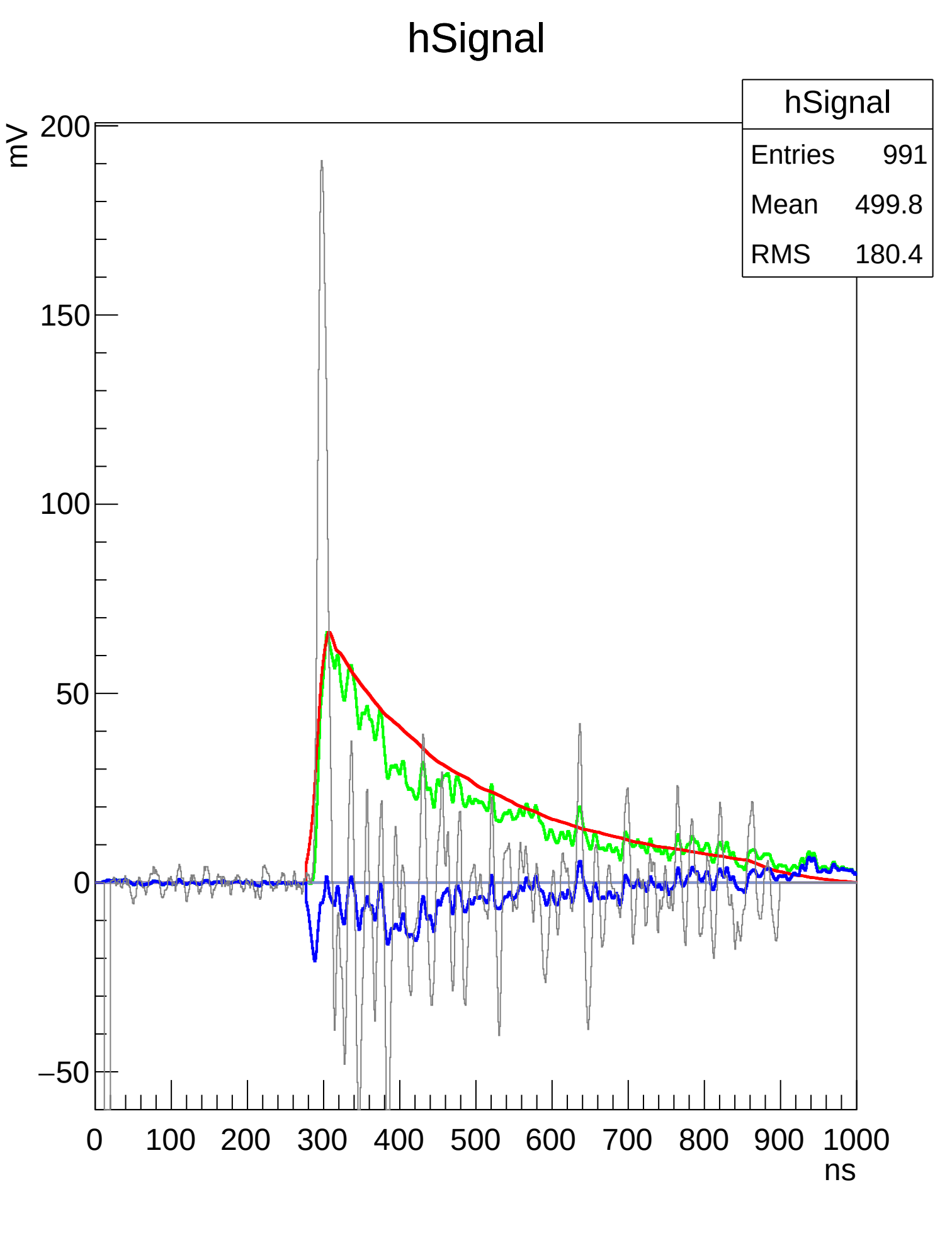

hSignal
hSignal
Entries 991
Mean 531.2
RMS 170.6
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

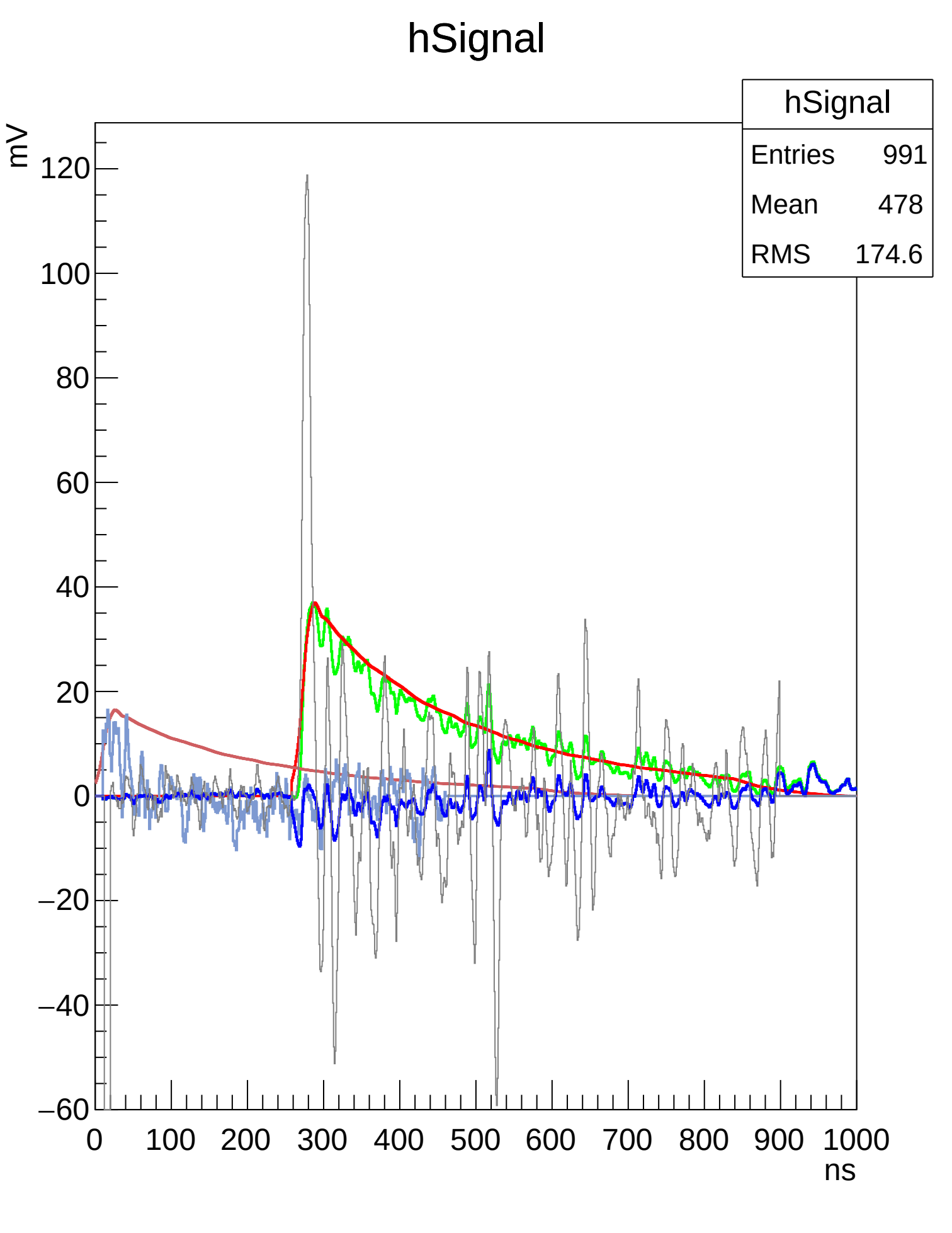

hSignal
hSignal
Entries 991
Mean 535
RMS 171.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

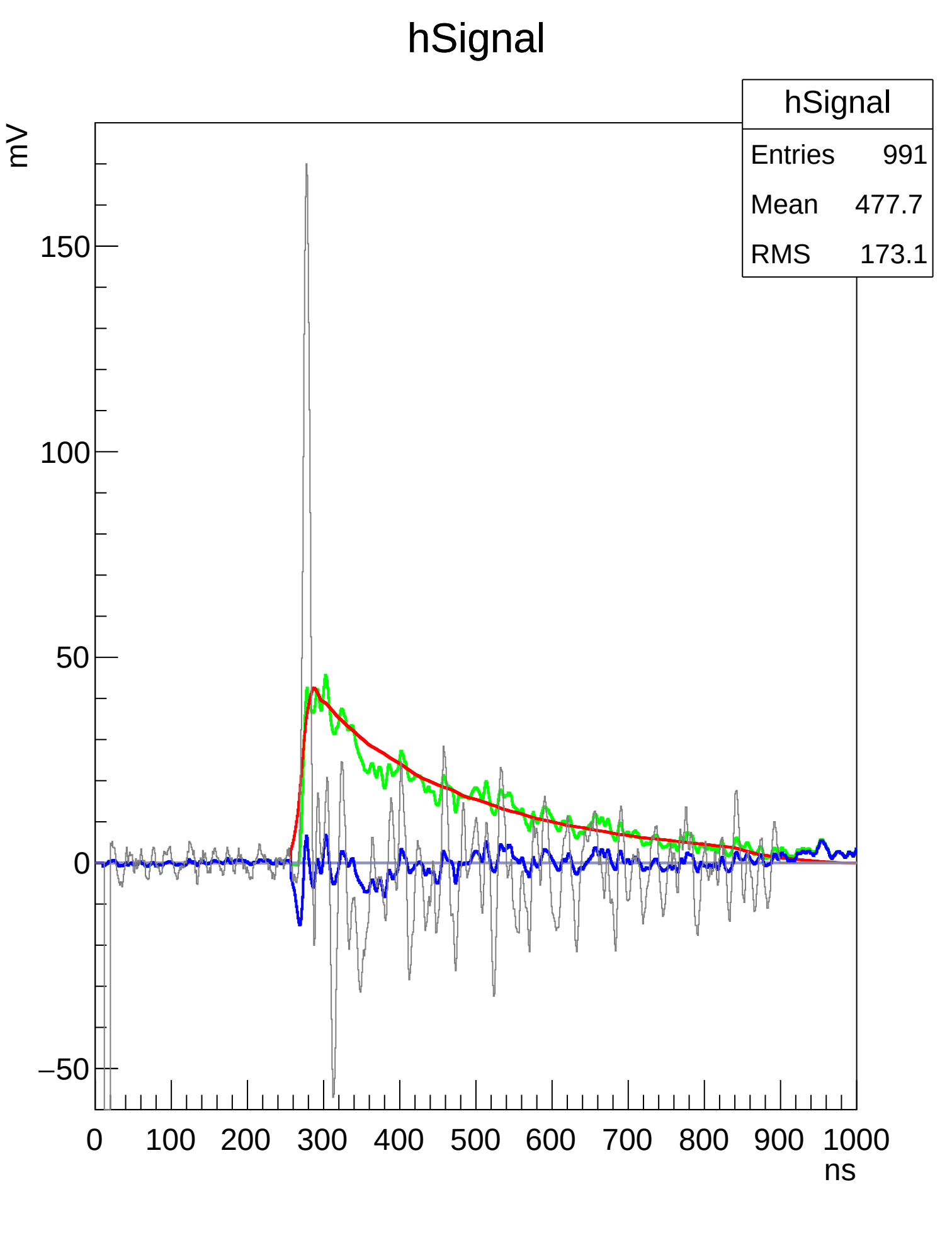

hSignal
hSignal
Entries 991
Mean 578.4
RMS 161
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

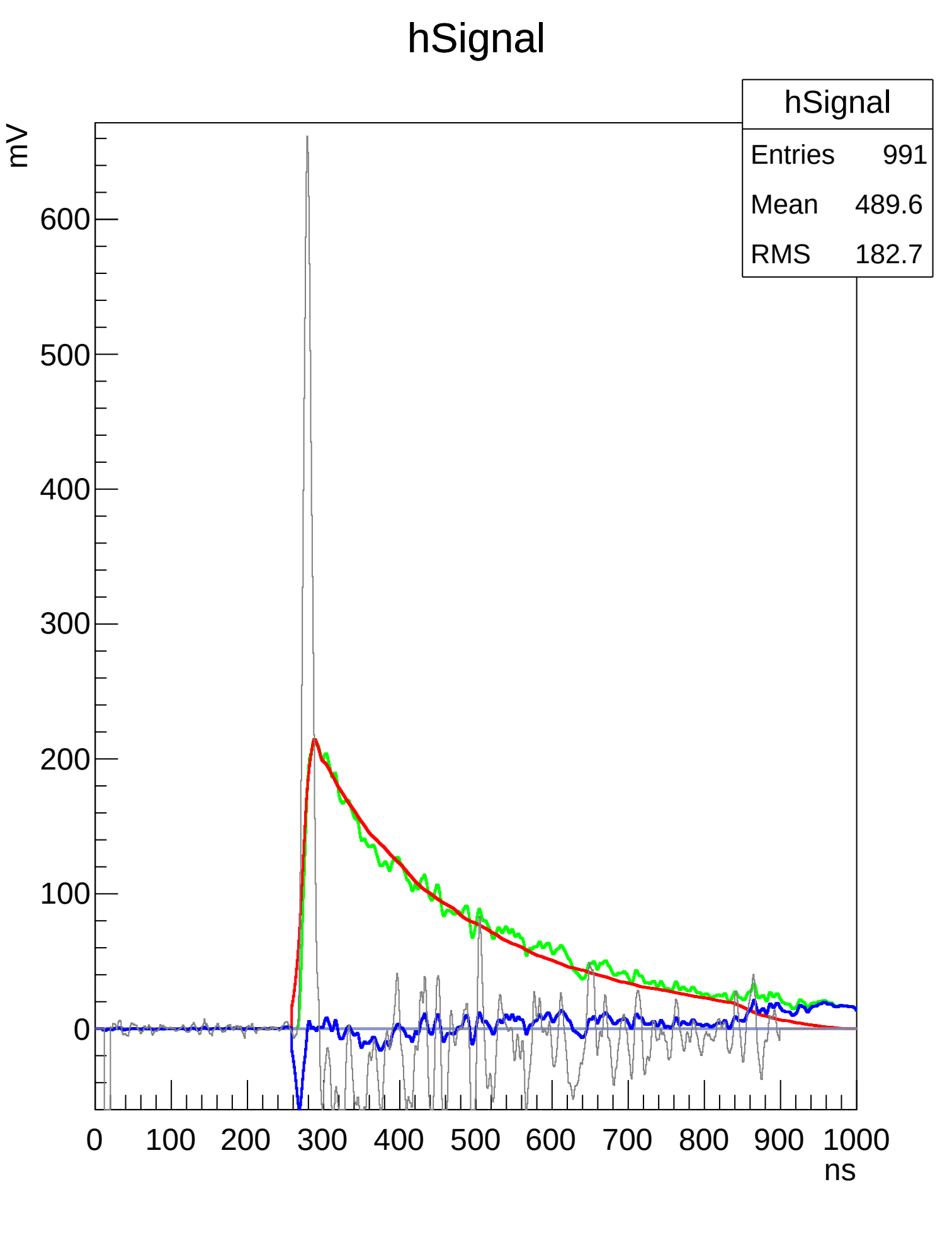

hSignal
hSignal
Entries 991
Mean 578.8
RMS 166.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

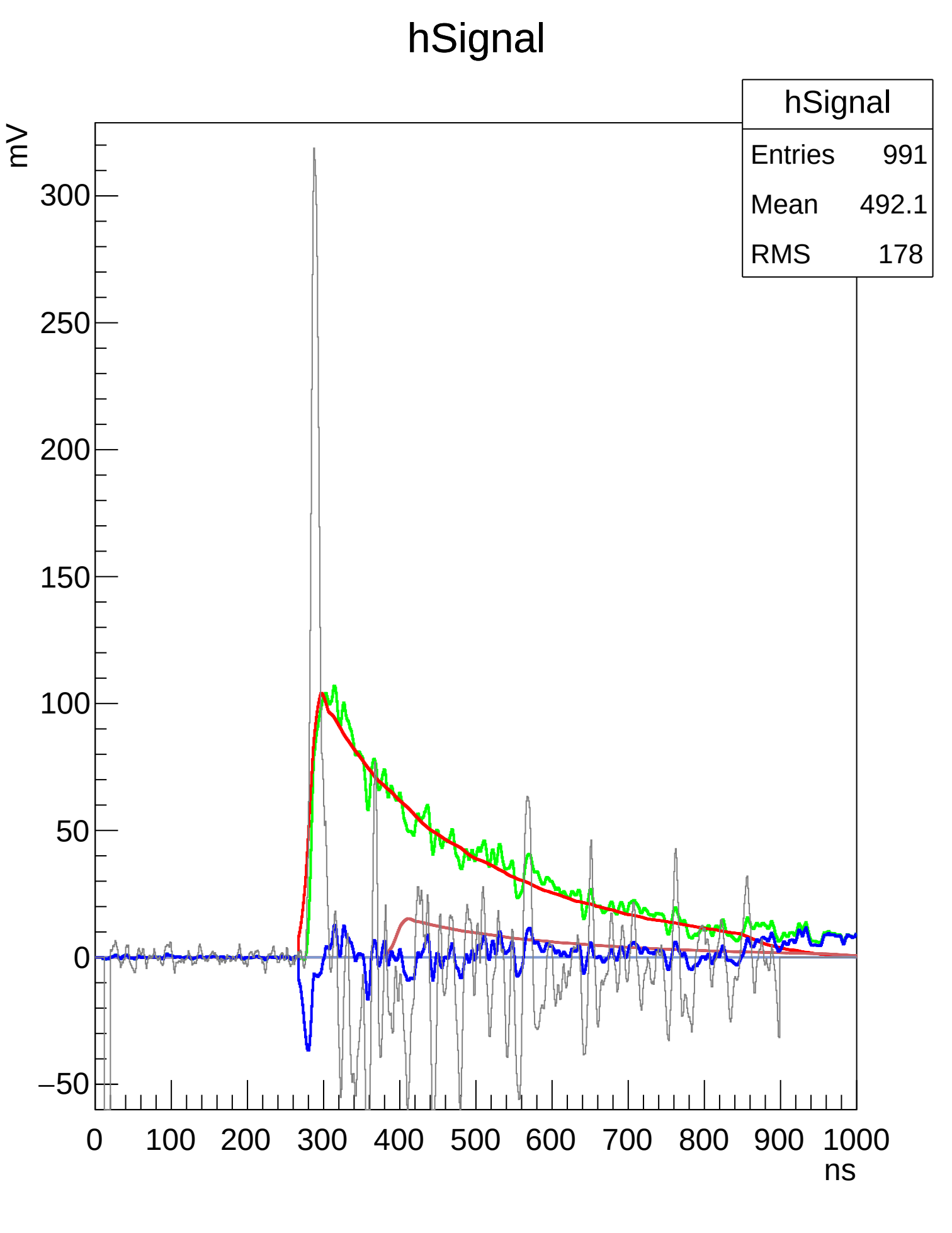

hSignal
hSignal
Entries 991
Mean 573.1
RMS 160.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

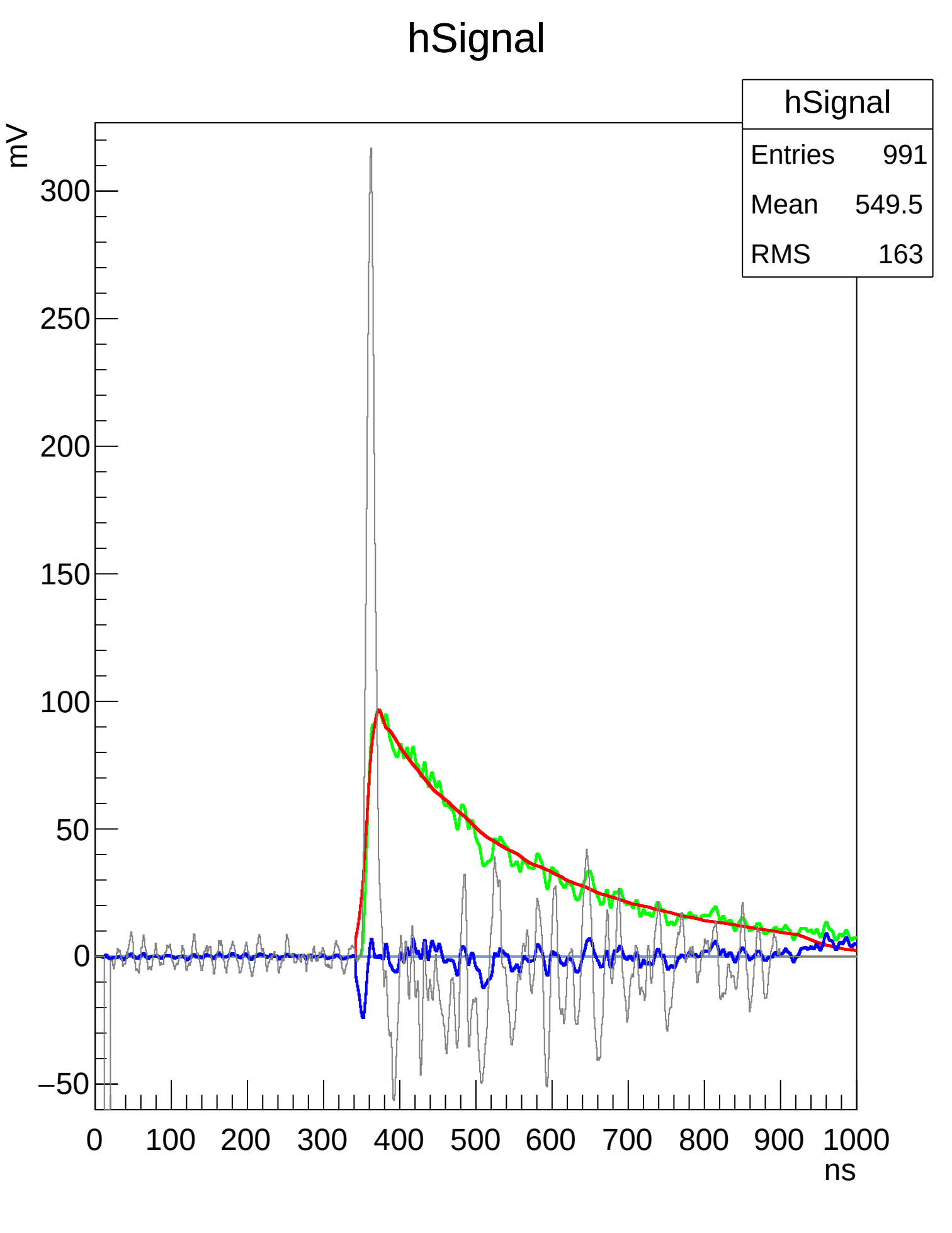

hSignal
hSignal
Entries 991
Mean 499.8
RMS 180.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

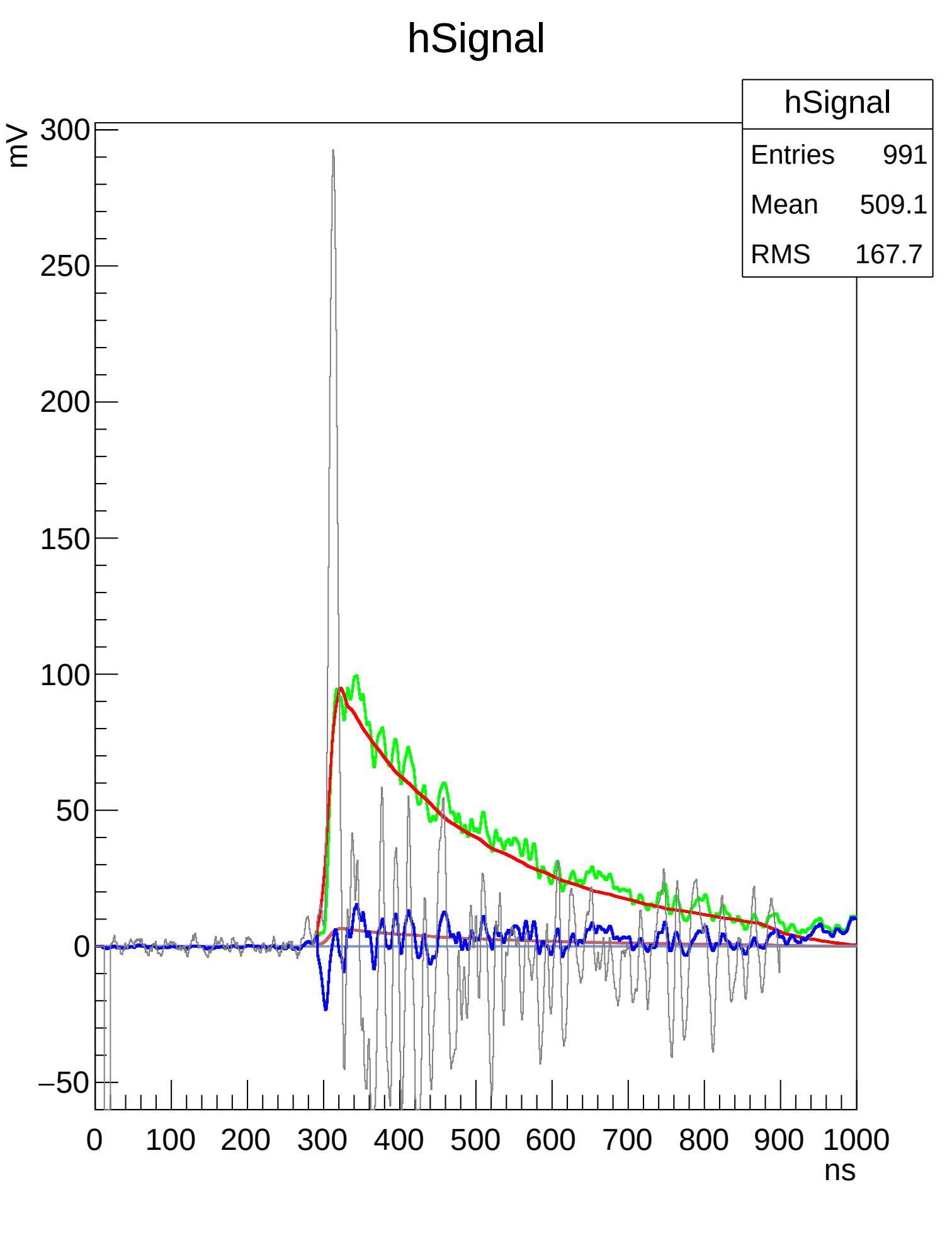

hSignal
hSignal
Entries 991
Mean 478
RMS 174.6
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

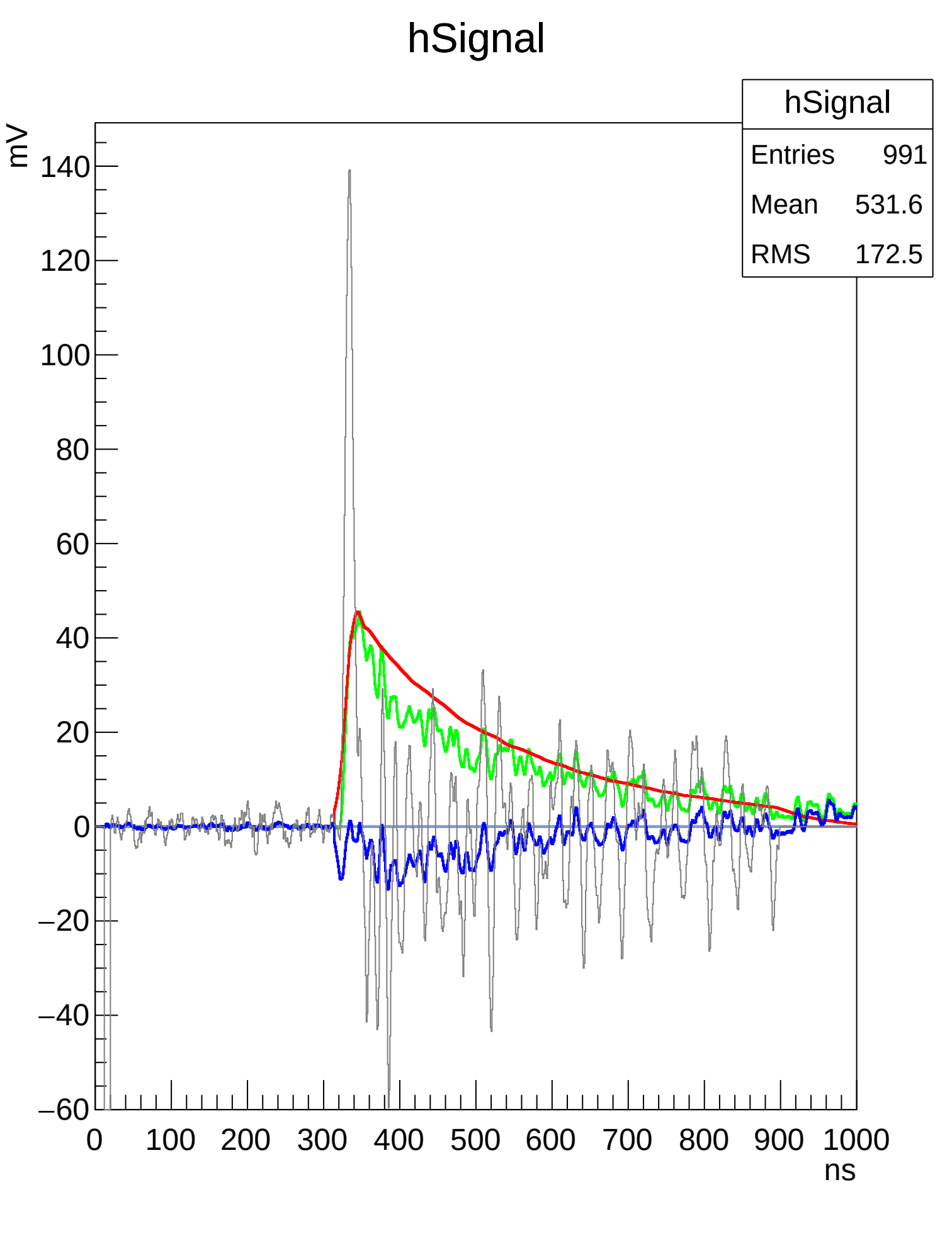

hSignal
hSignal
Entries 991
Mean 477.7
RMS 173.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

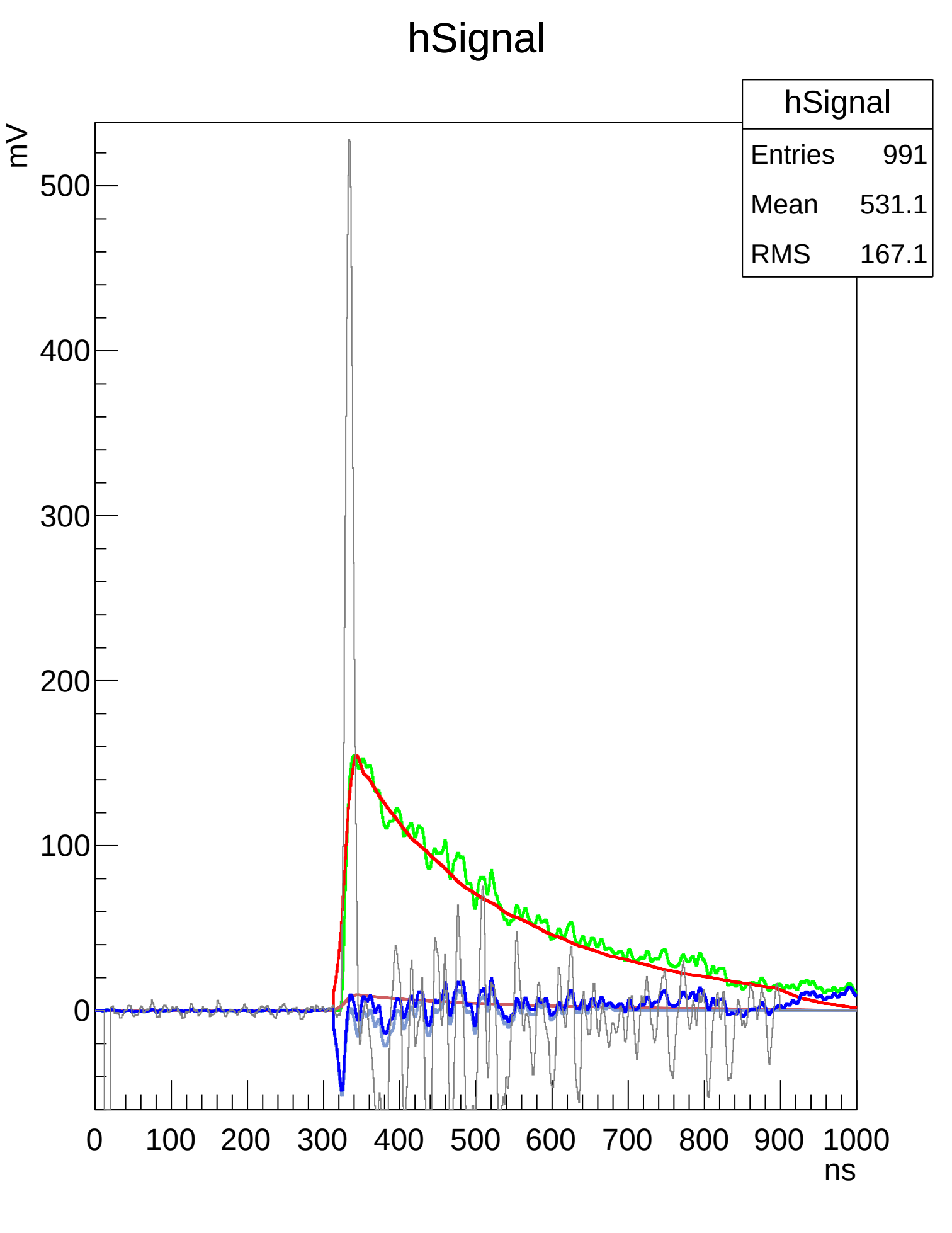

hSignal
hSignal
Entries 991
Mean 489.6
RMS 182.7
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

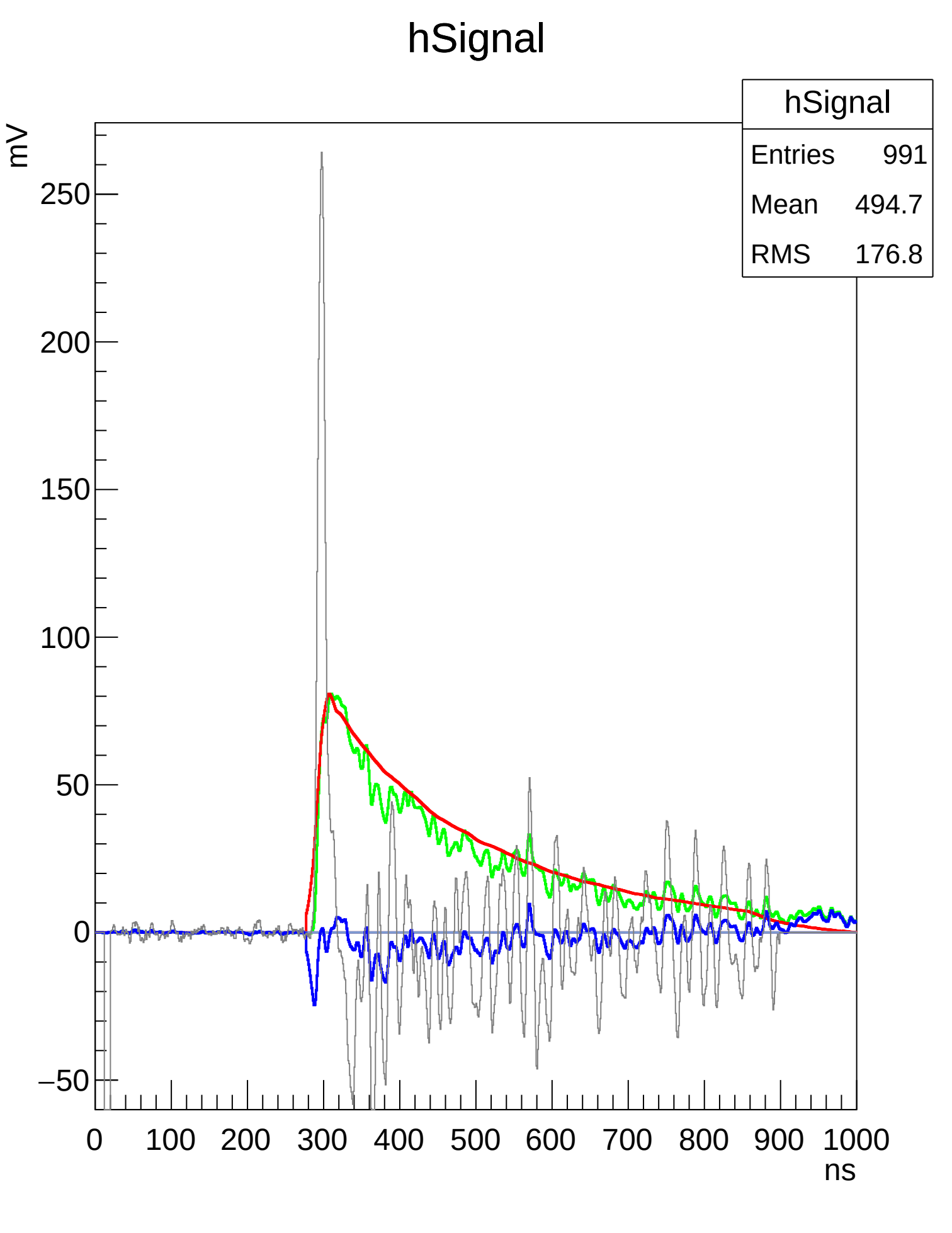

hSignal
hSignal
Entries 991
Mean 492.1
RMS 178
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

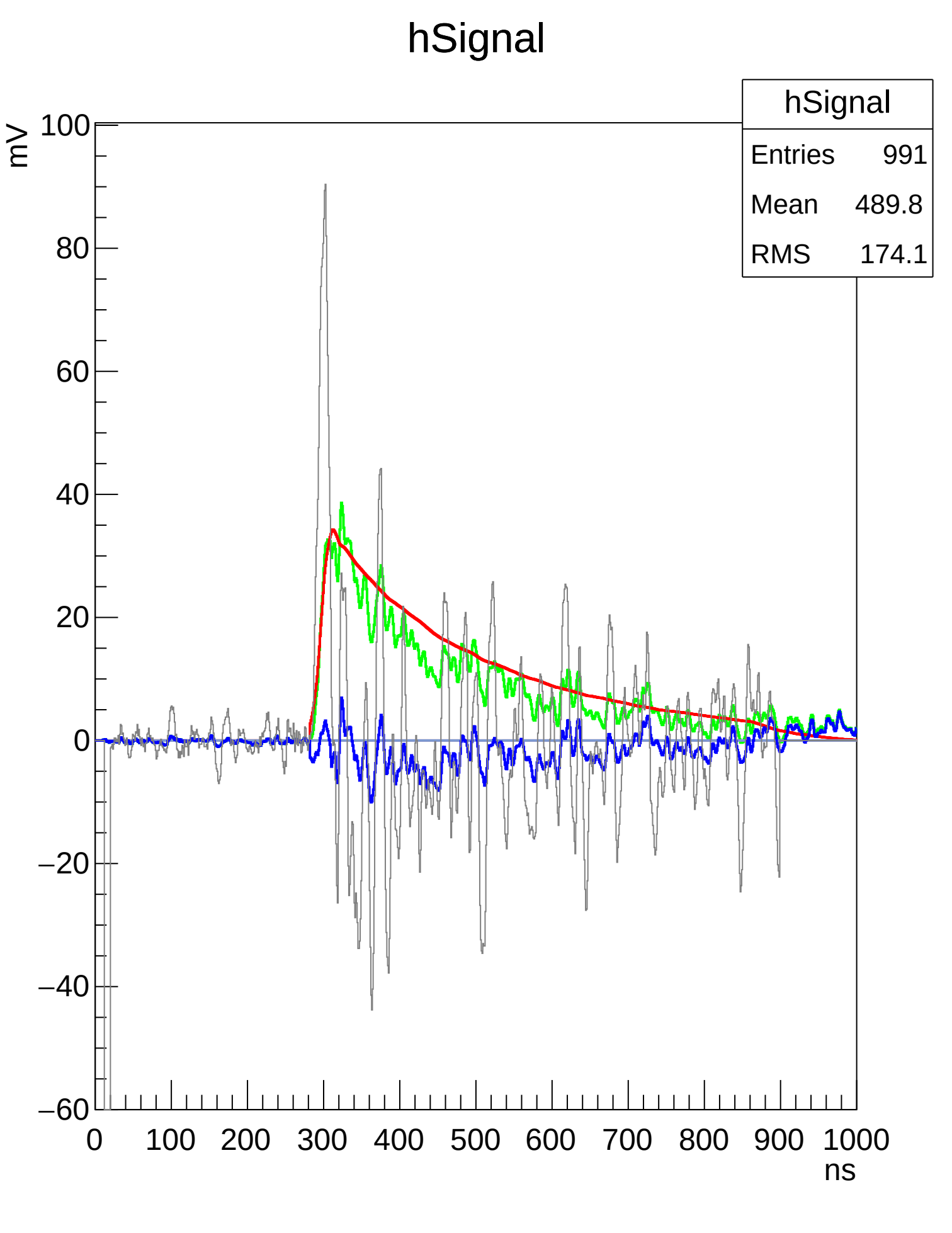

hSignal
hSignal
Entries 991
Mean 549.5
RMS 163
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

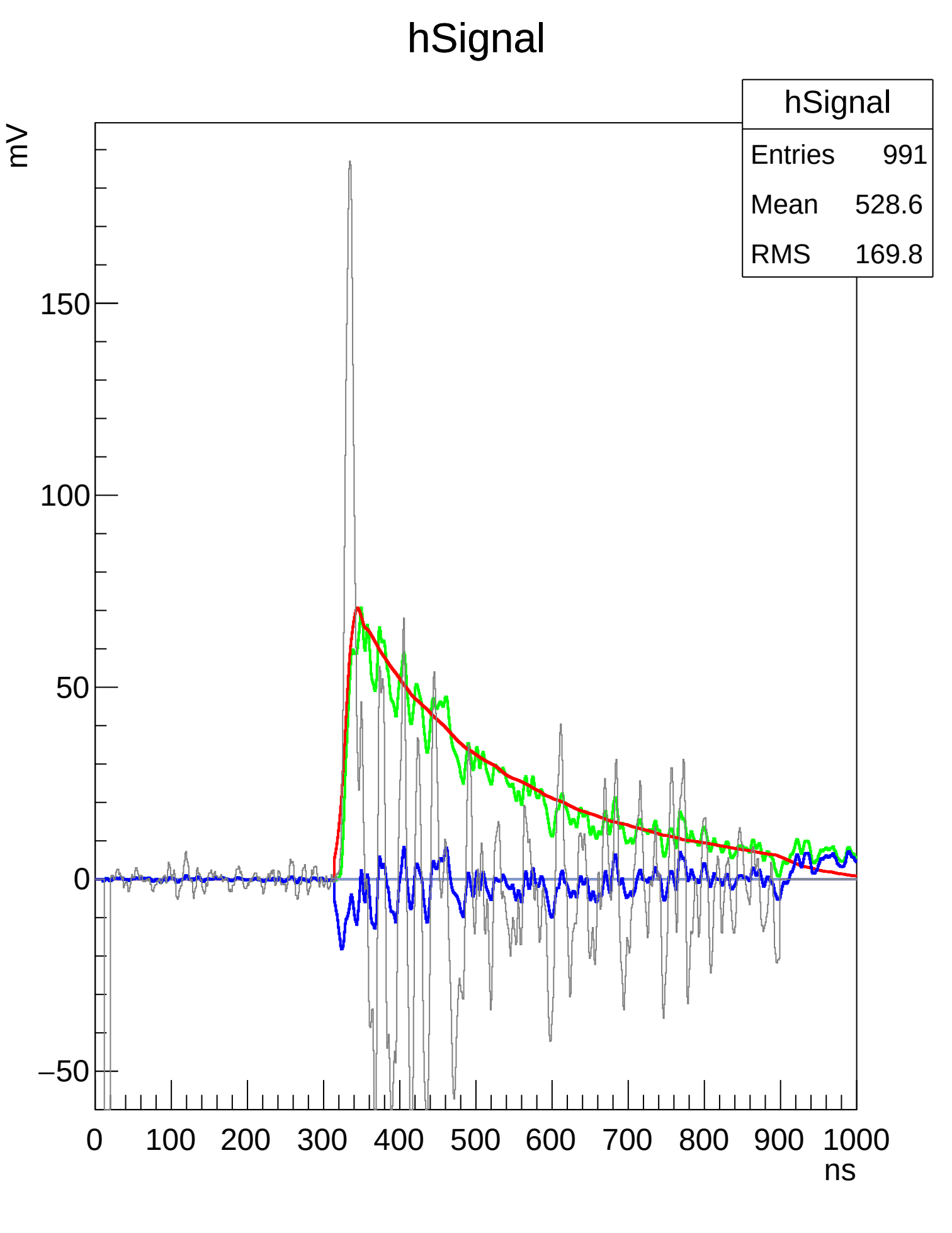

hSignal
hSignal
Entries 991
Mean 509.1
RMS 167.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

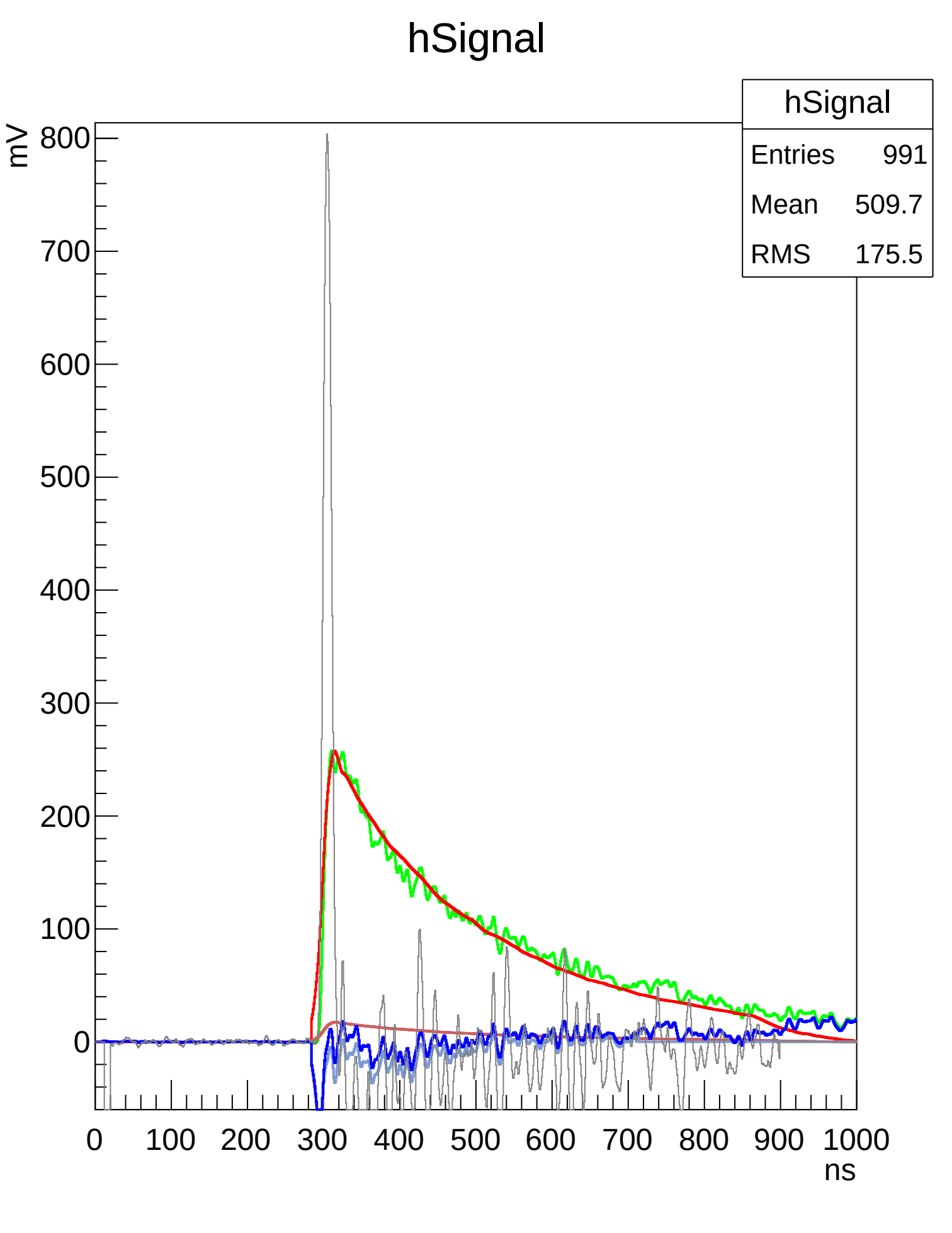

hSignal
hSignal
Entries 991
Mean 531.6
RMS 172.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

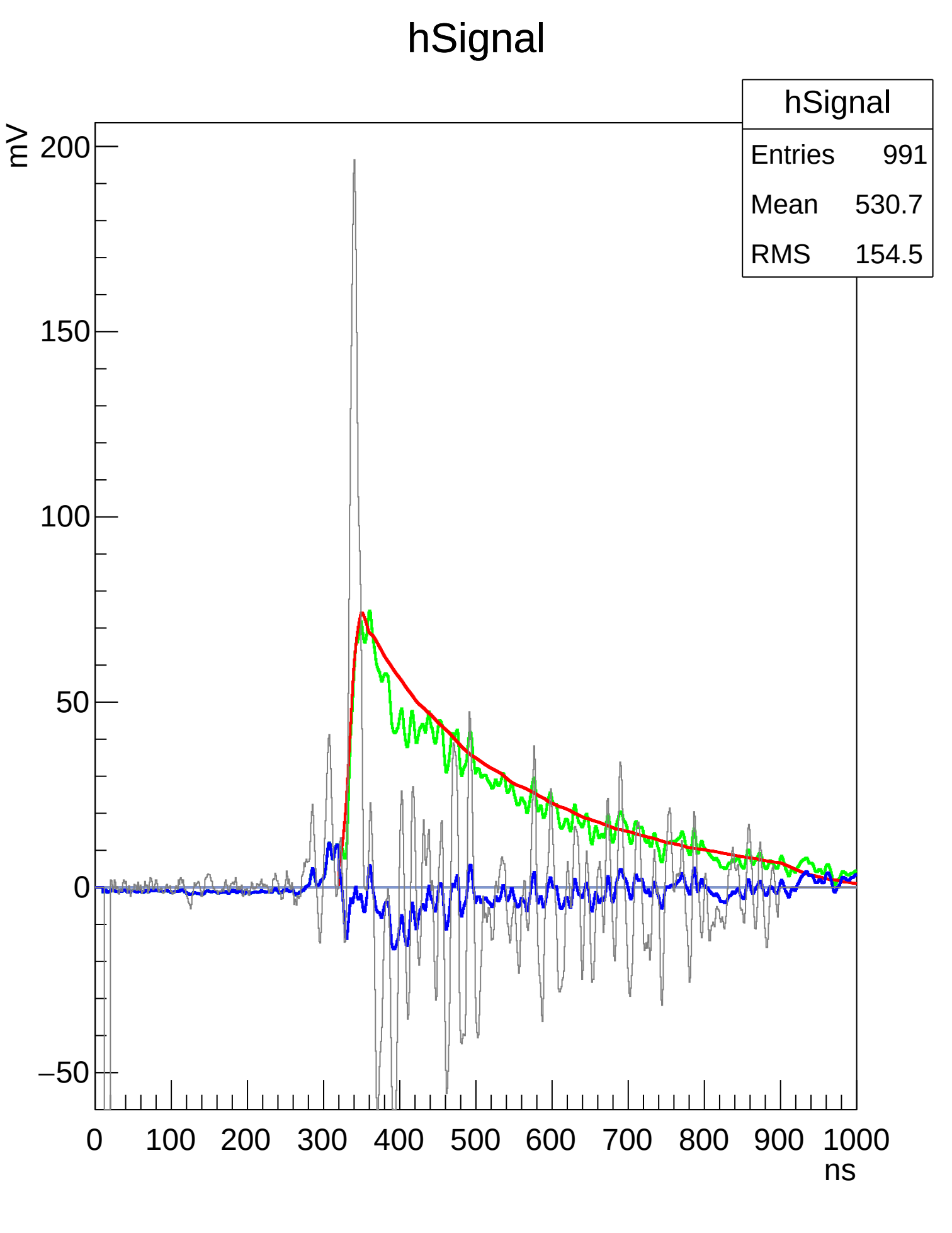

hSignal
hSignal
Entries 991
Mean 531.1
RMS 167.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

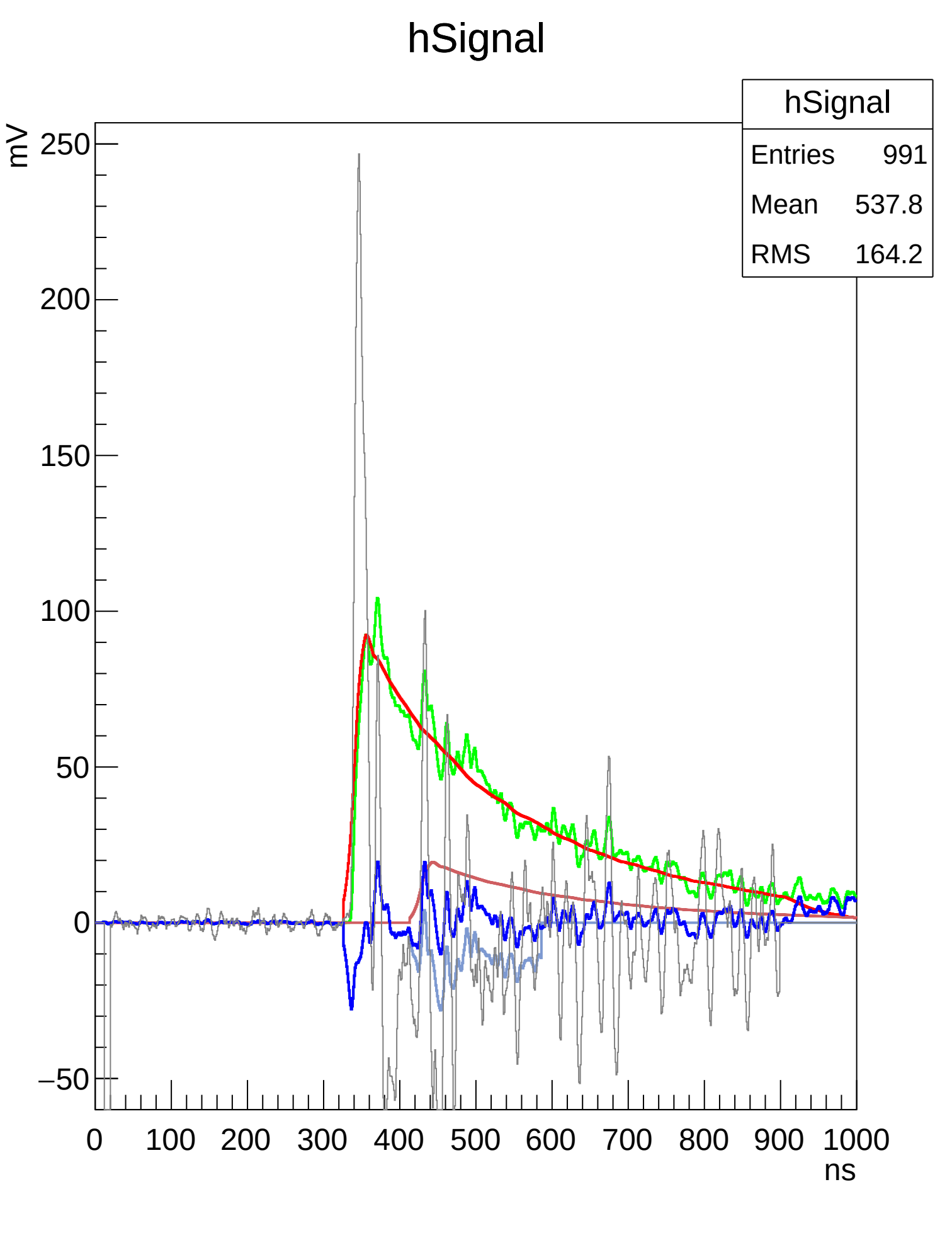

hSignal
hSignal
Entries 991
Mean 494.7
RMS 176.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

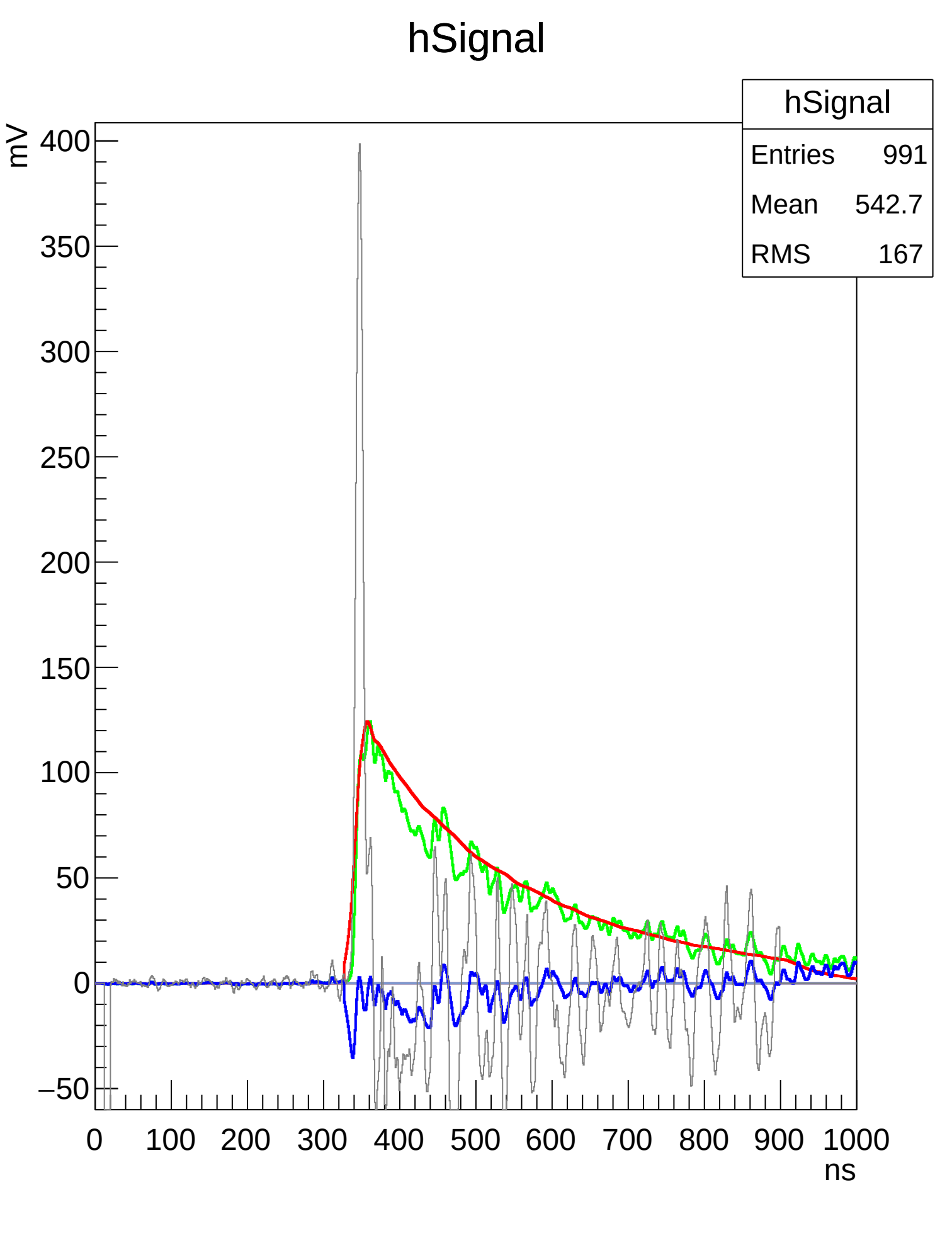

hSignal
hSignal
Entries 991
Mean 489.8
RMS 174.1
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

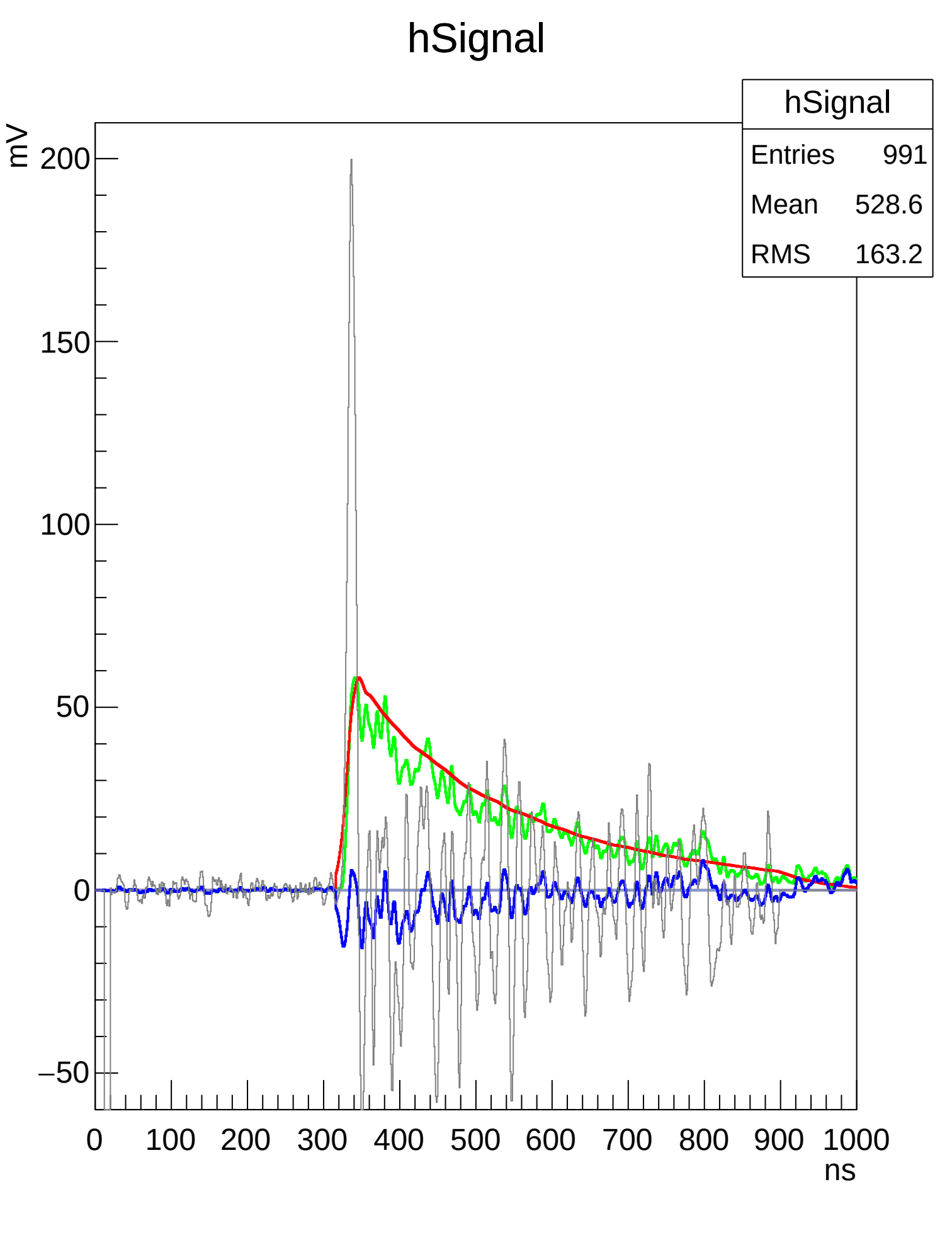

hSignal
hSignal
Entries 991
Mean 528.6
RMS 169.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

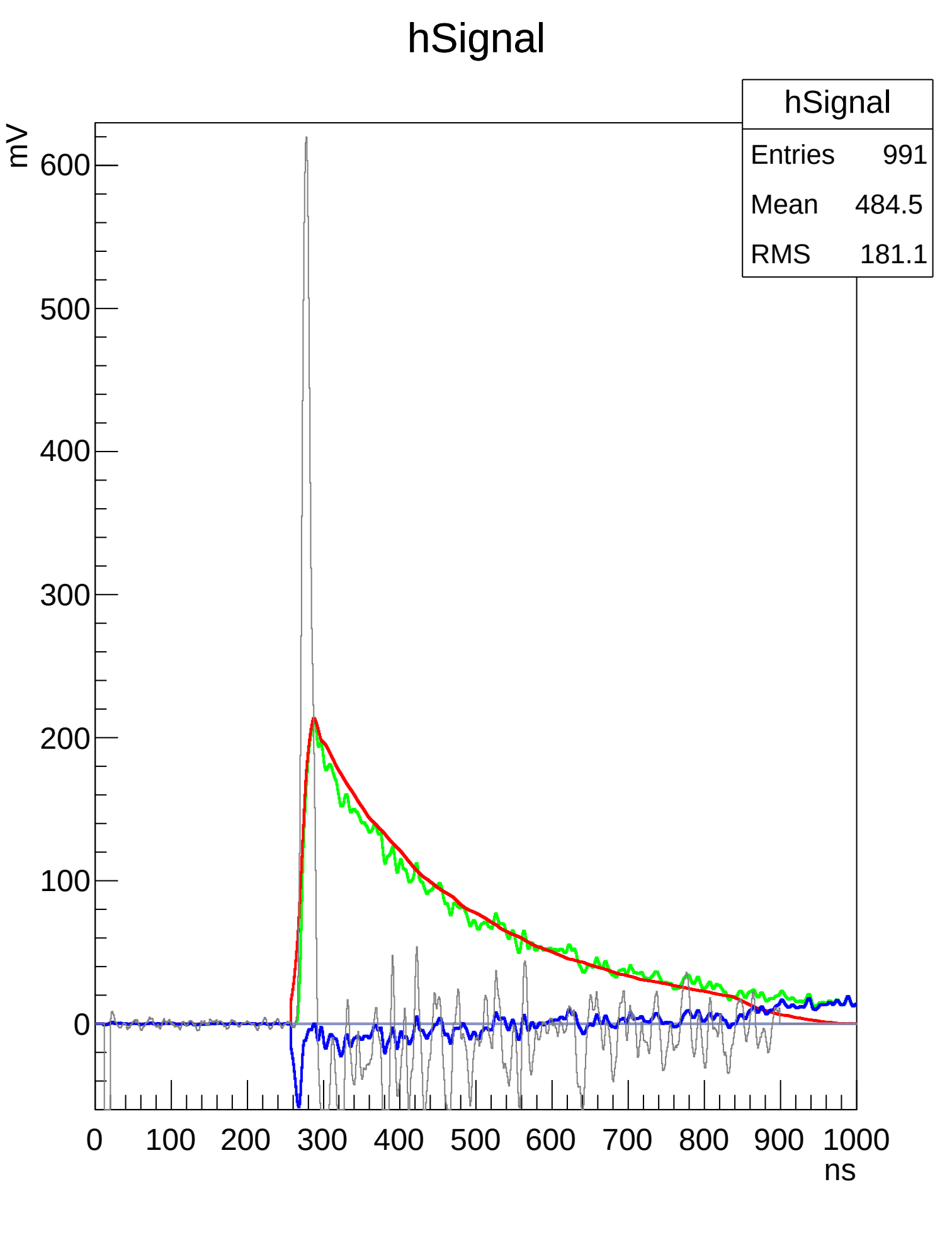

hSignal
hSignal
Entries 991
Mean 509.7
RMS 175.5
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

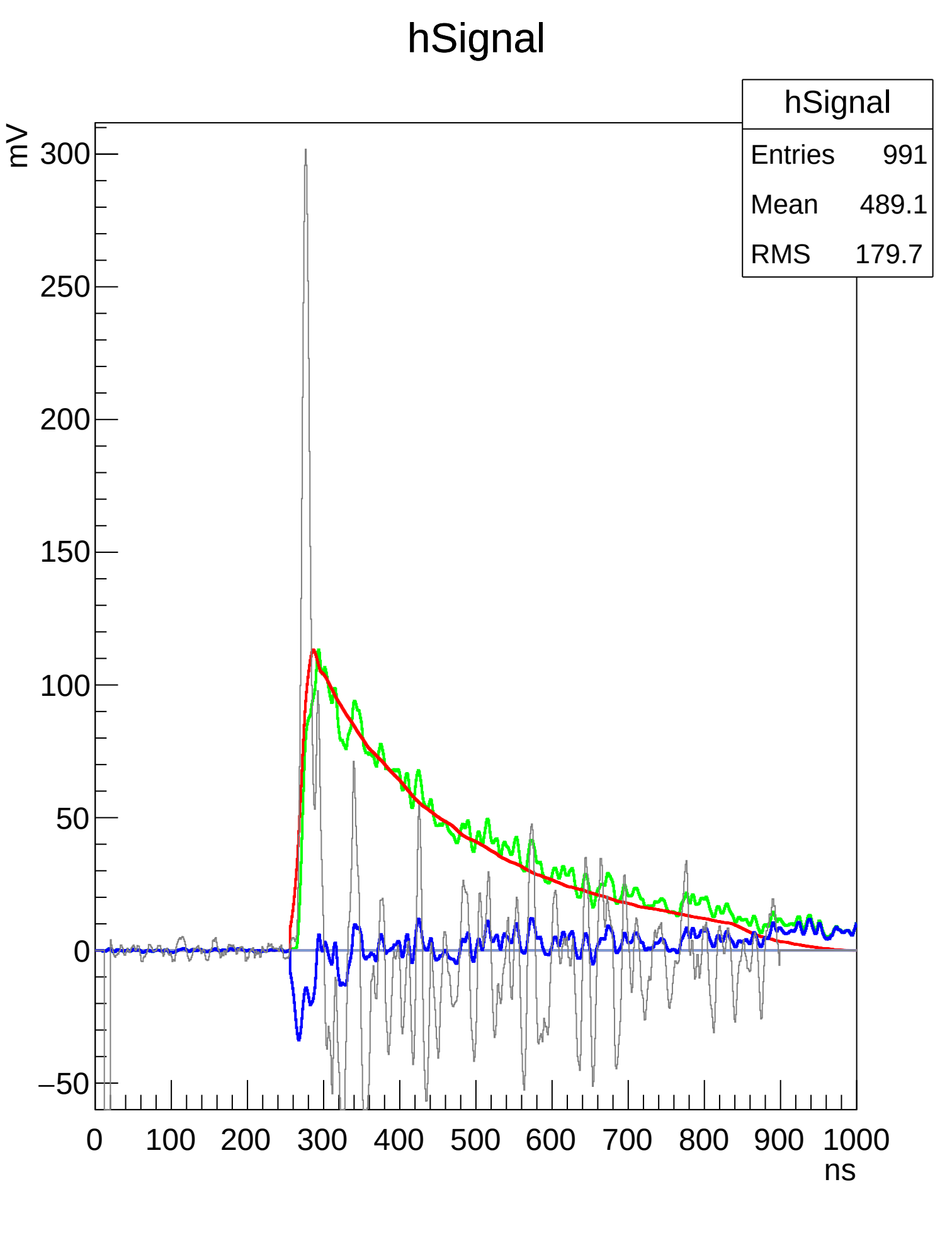

hSignal
hSignal
Entries 991
Mean 530.7
RMS 154.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

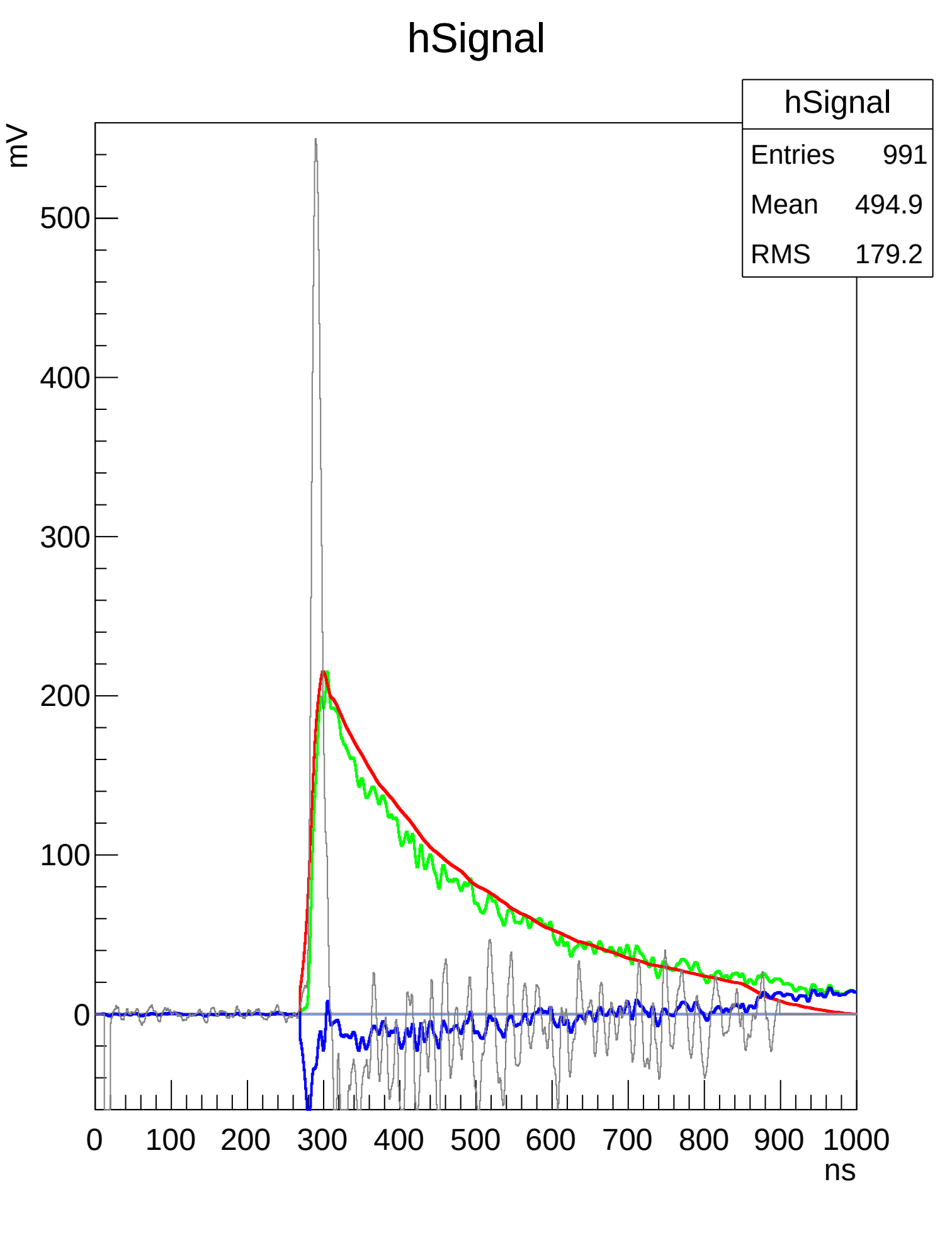

hSignal
hSignal
Entries 991
Mean 537.8
RMS 164.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

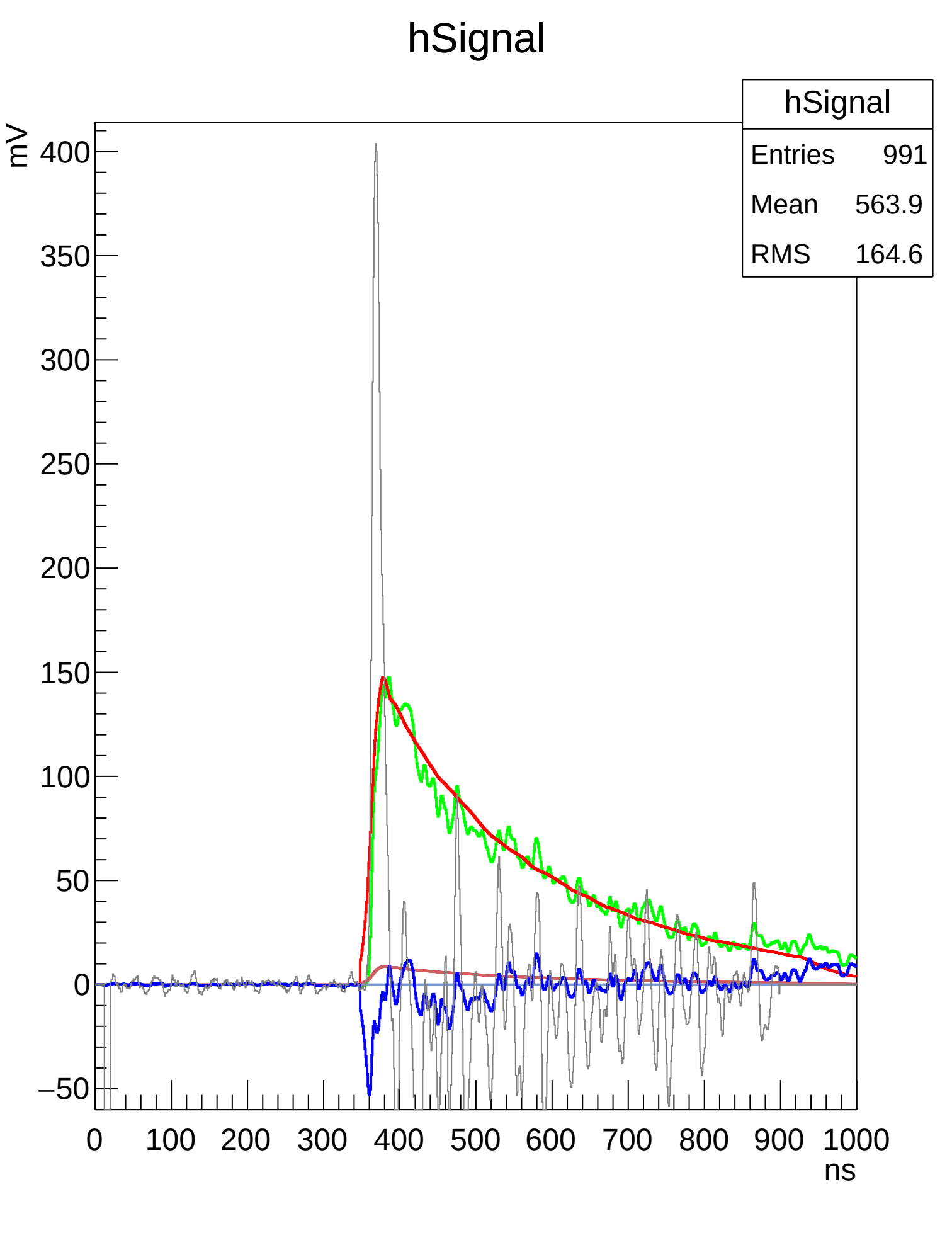

hSignal
hSignal
Entries 991
Mean 542.7
RMS 167
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

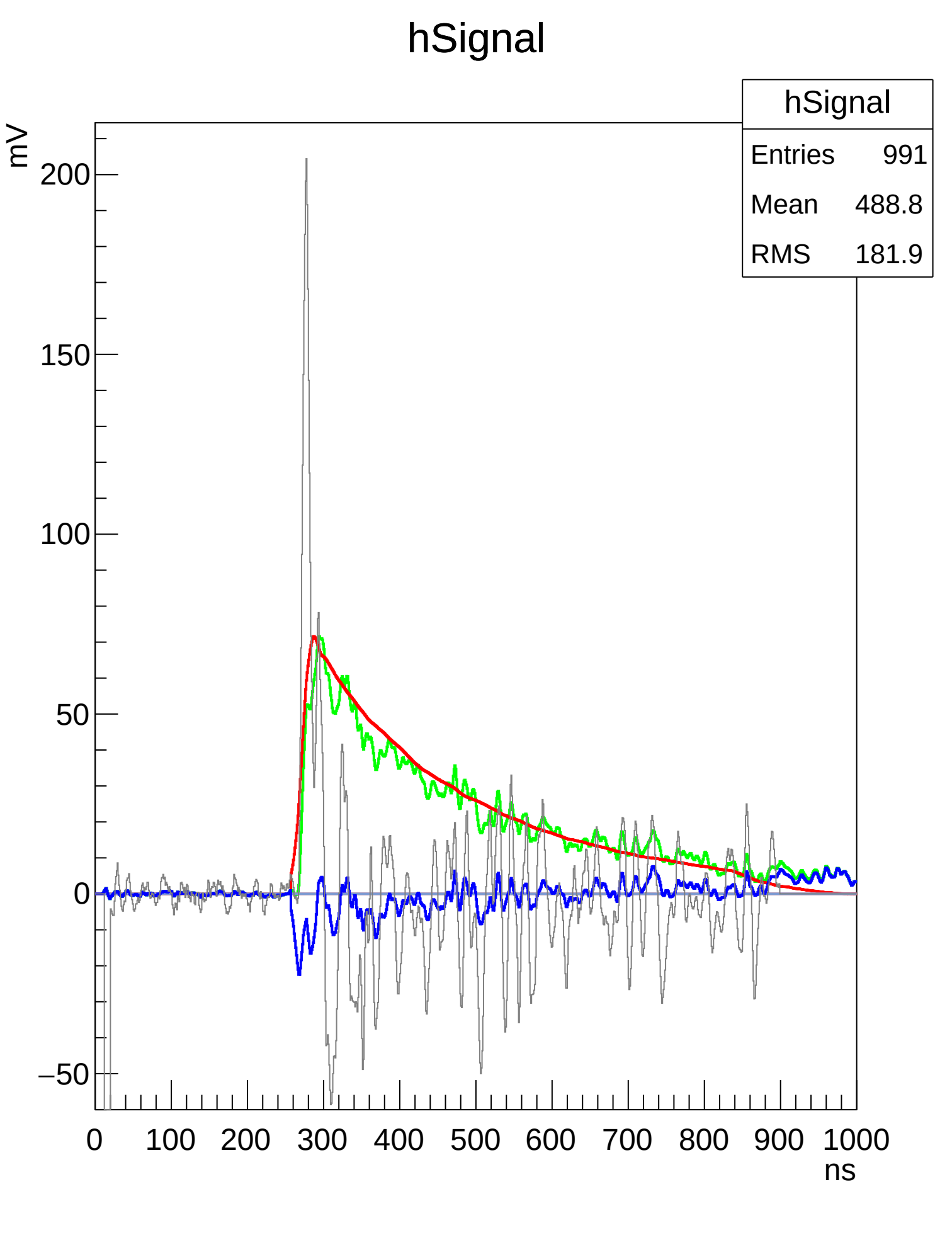

hSignal
hSignal
Entries 991
Mean 528.6
RMS 163.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

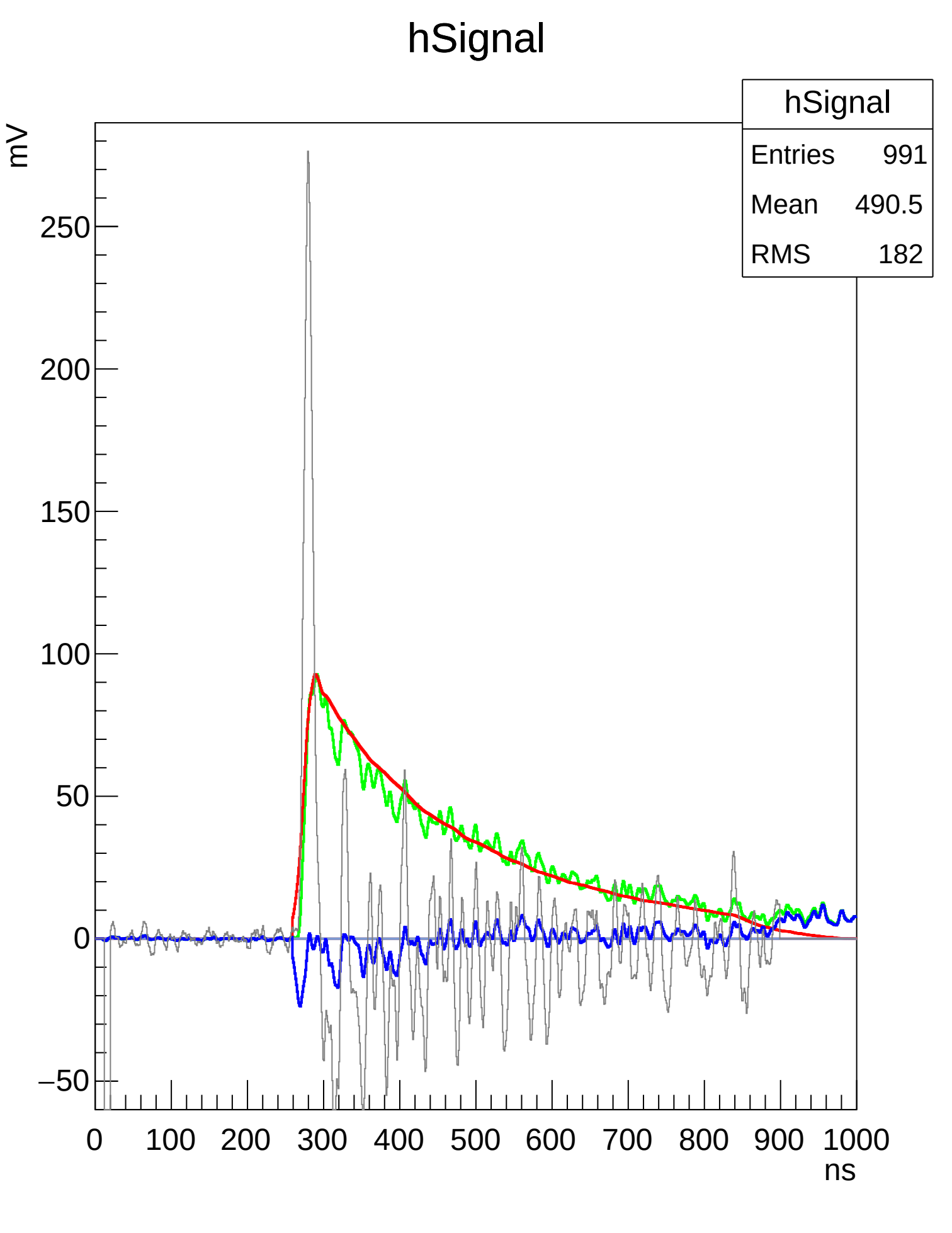

hSignal
hSignal
Entries 991
Mean 484.5
RMS 181.1
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

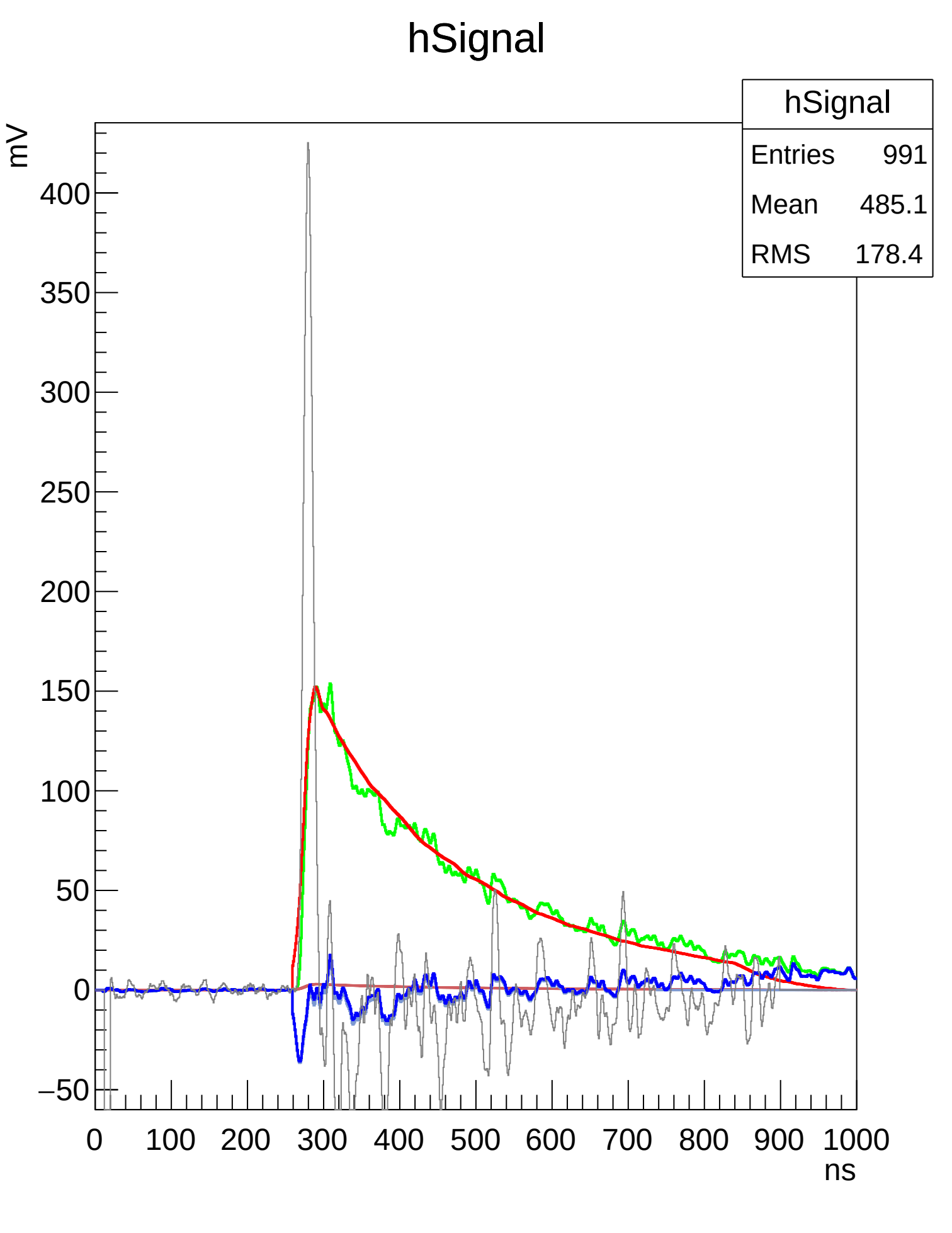

hSignal
hSignal
Entries 991
Mean 489.1
RMS 179.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

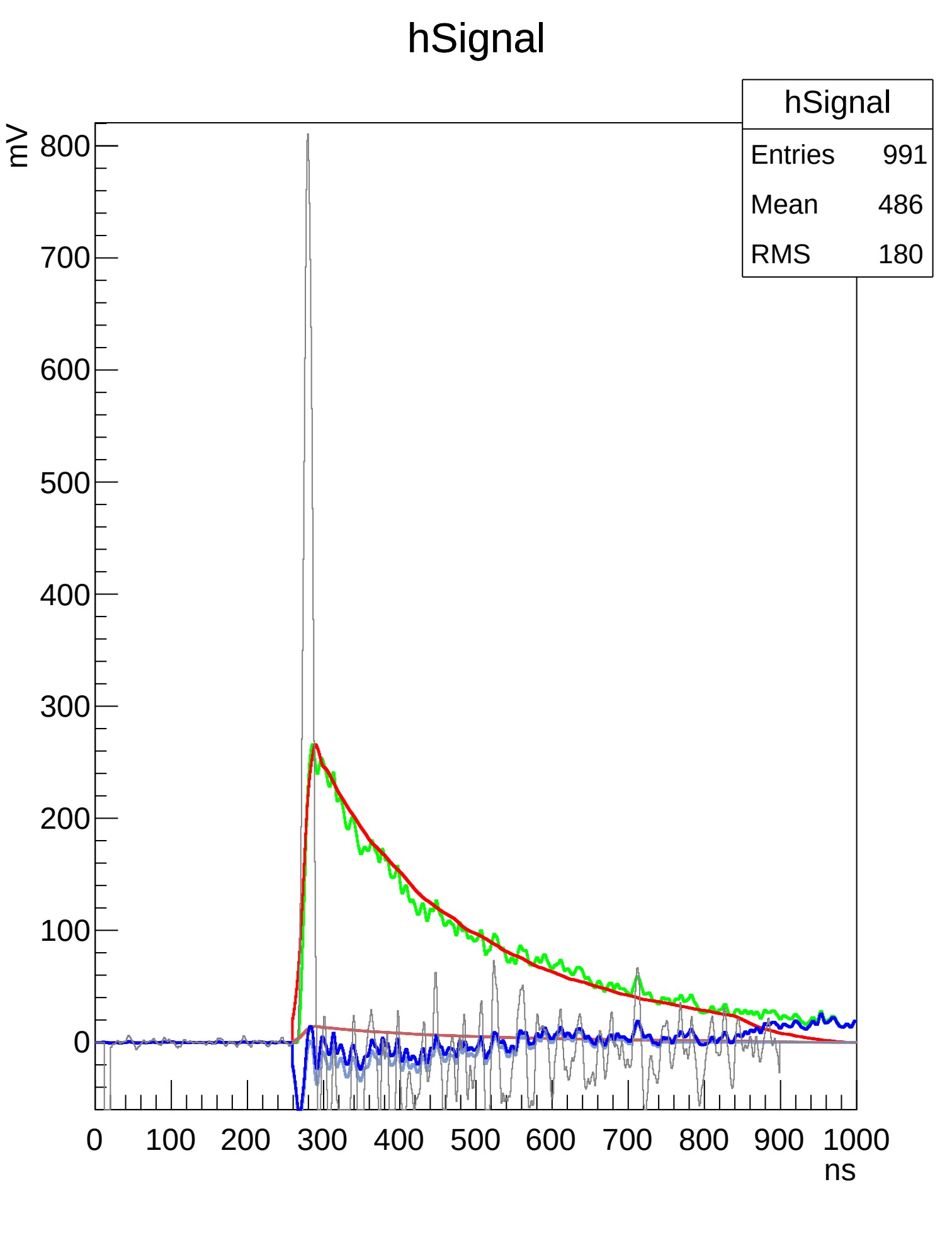

hSignal
hSignal
Entries 991
Mean 494.9
RMS 179.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

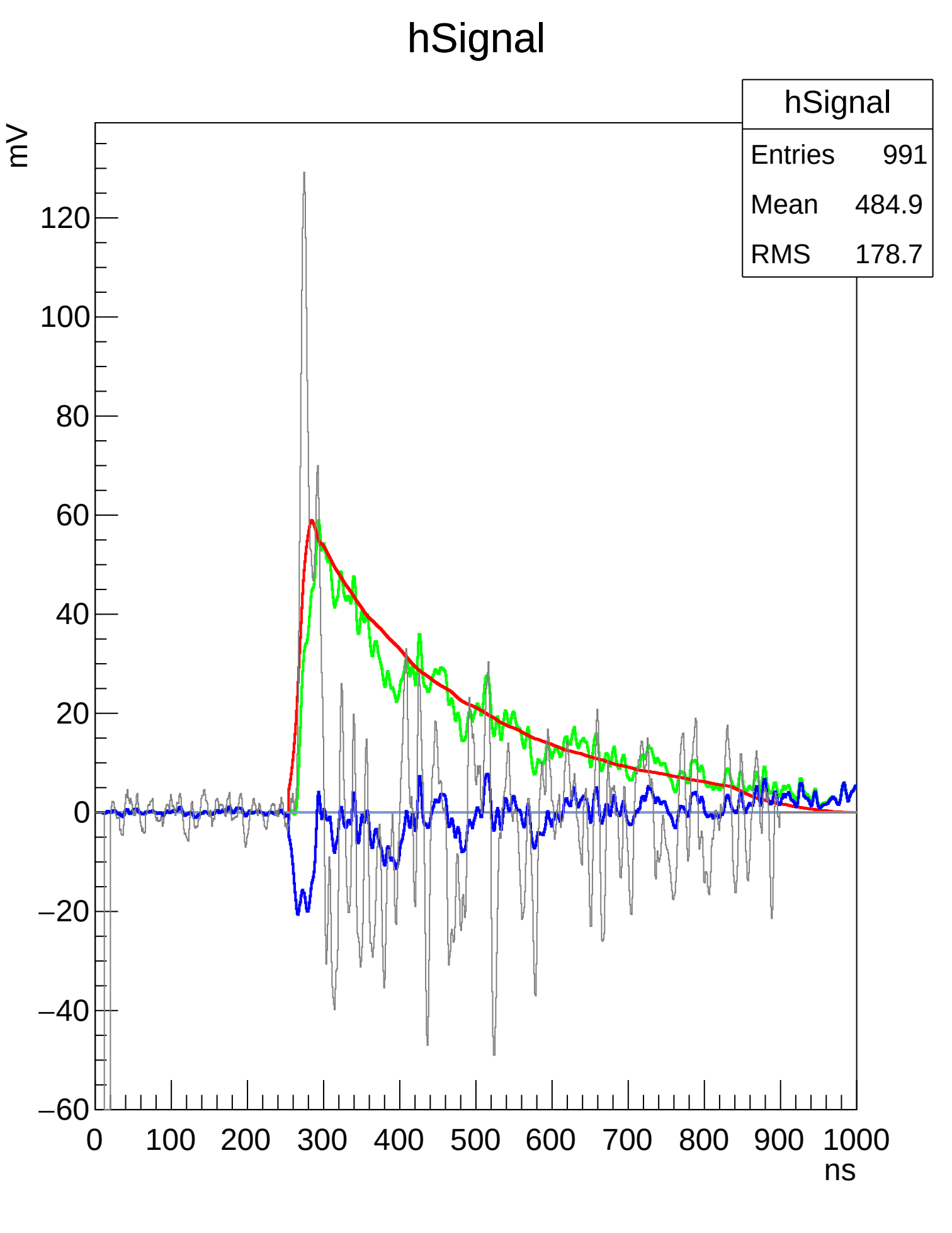

hSignal
hSignal
Entries 991
Mean 563.9
RMS 164.6
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

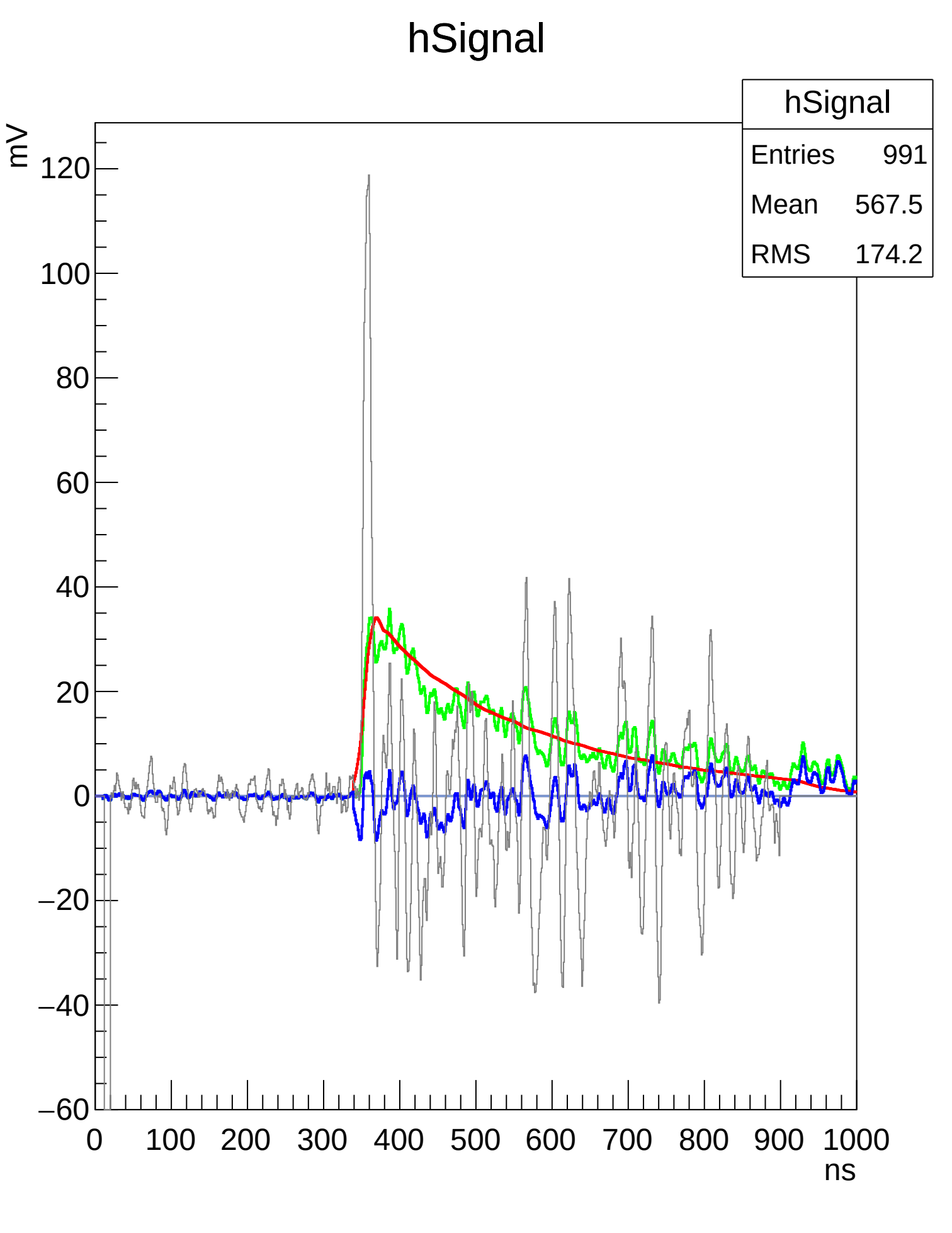

hSignal
hSignal
Entries 991
Mean 488.8
RMS 181.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

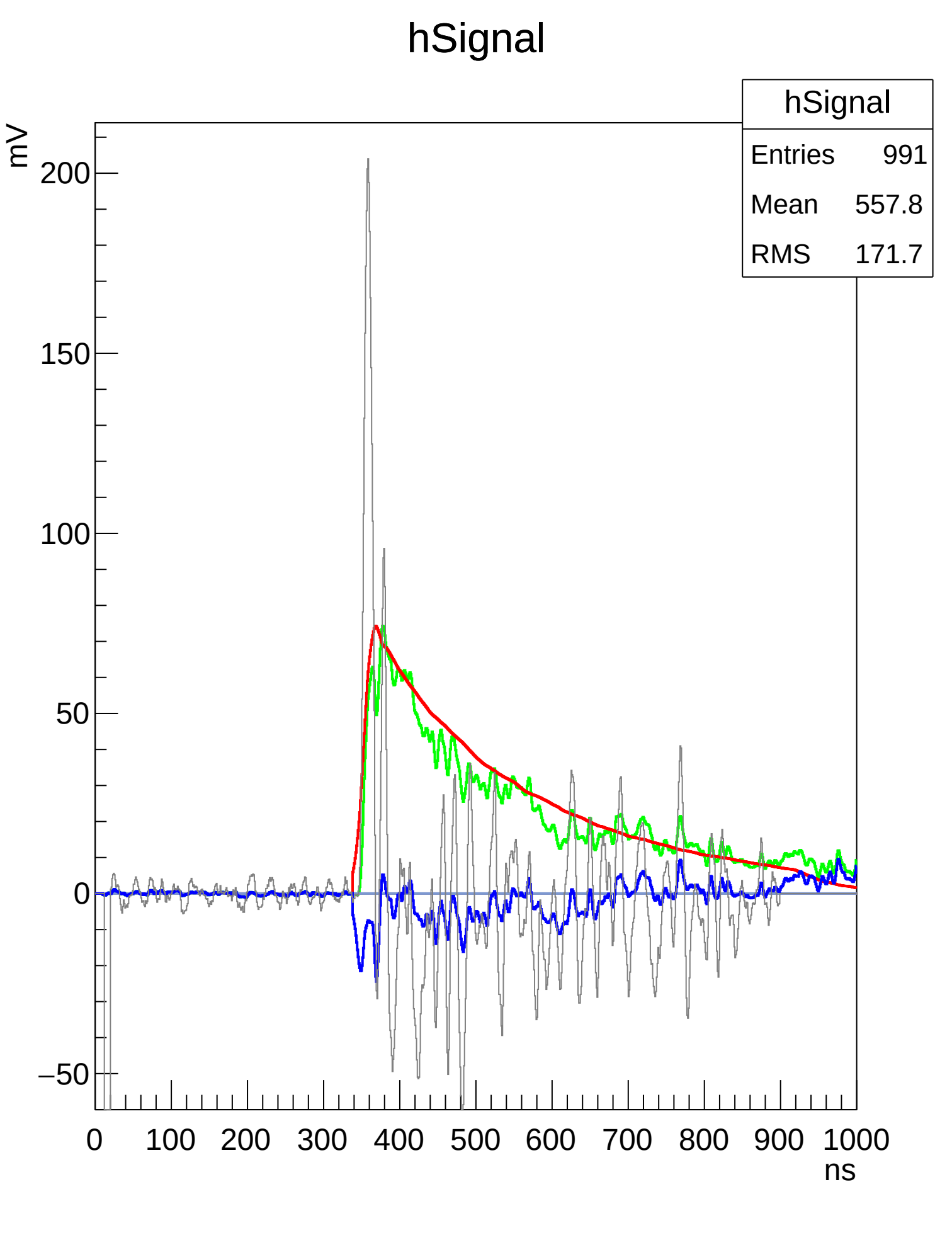

hSignal
hSignal
Entries 991
Mean 490.5
RMS 182
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

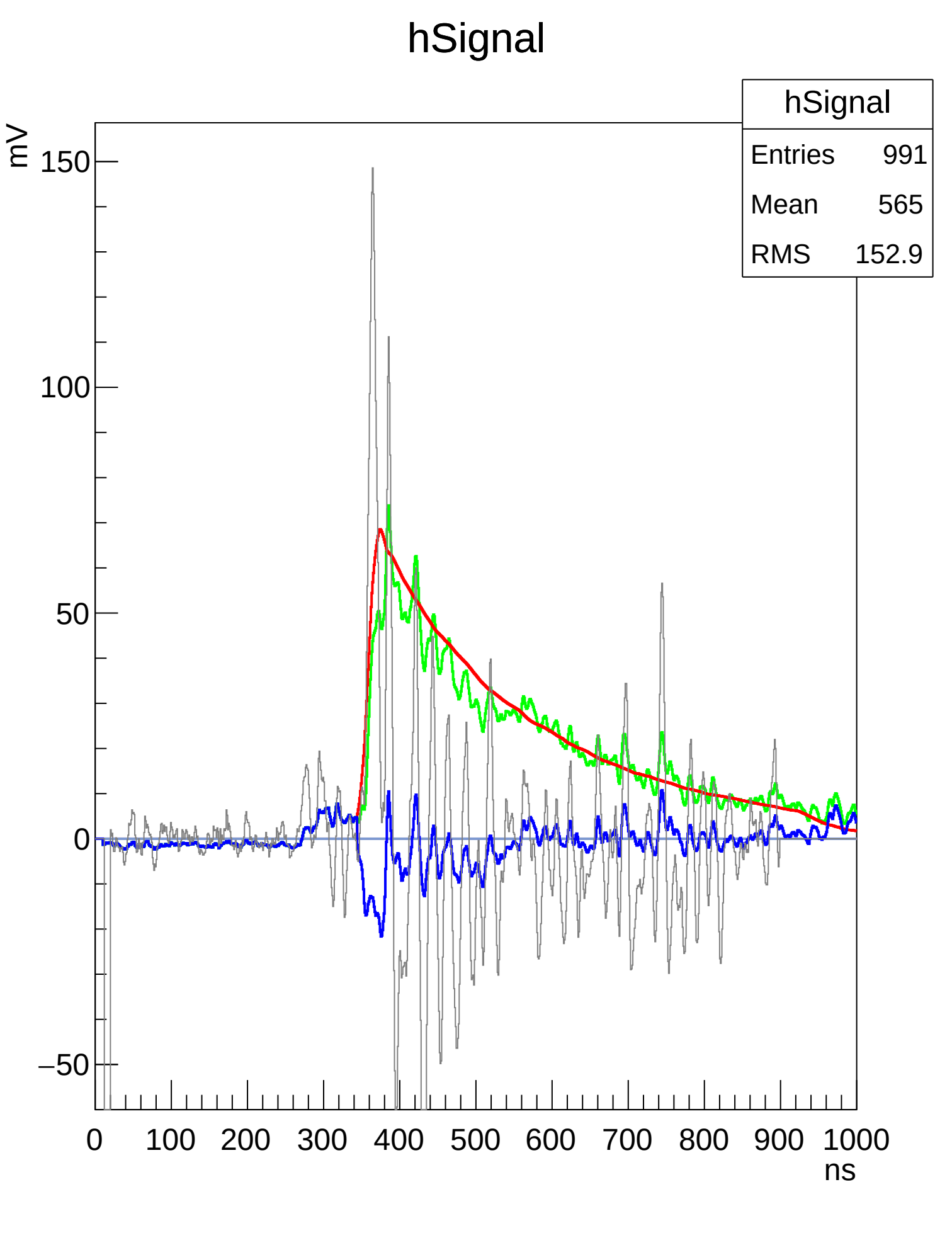

hSignal
hSignal
Entries 991
Mean 485.1
RMS 178.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

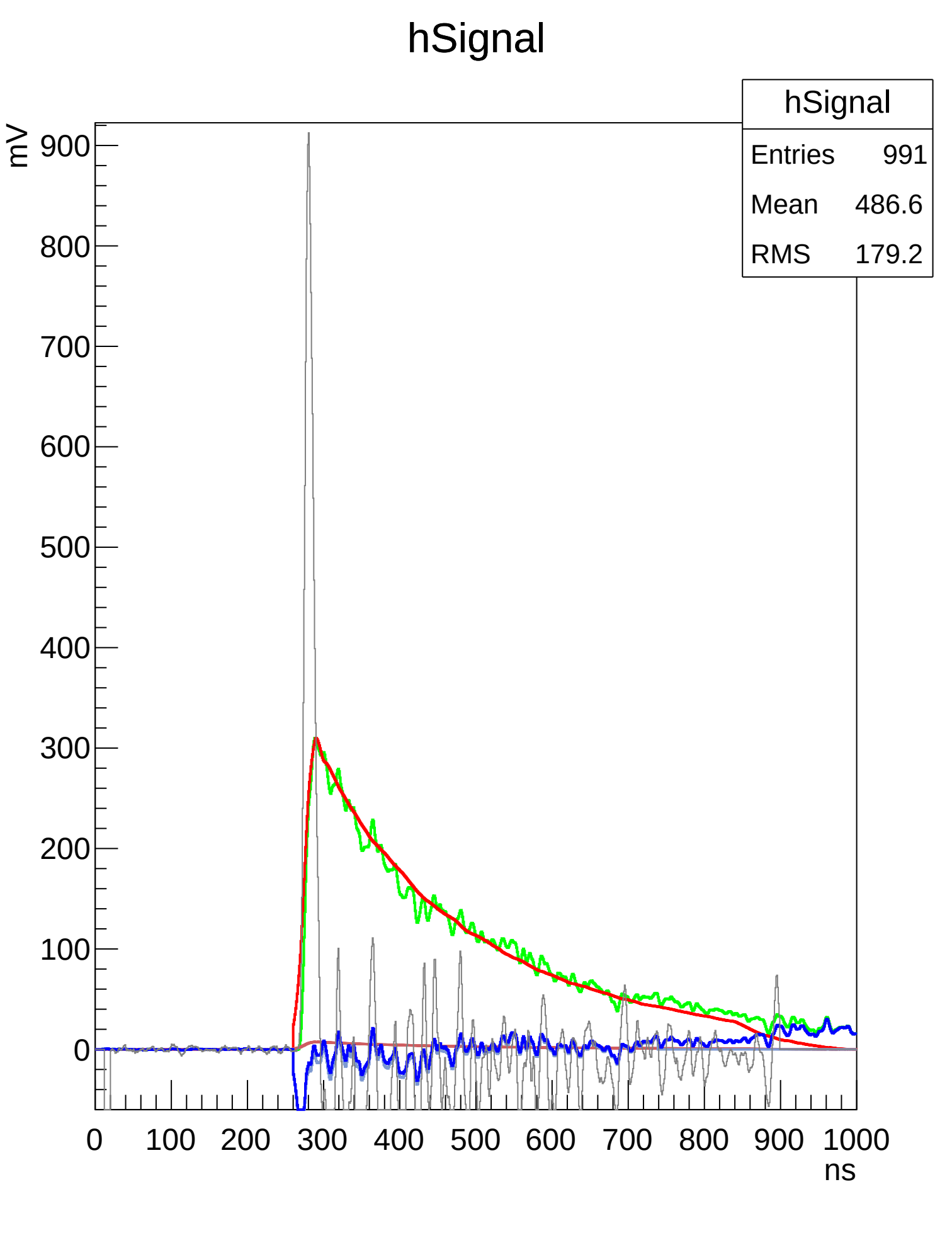

hSignal
hSignal
Entries 991
Mean 486
RMS 180
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

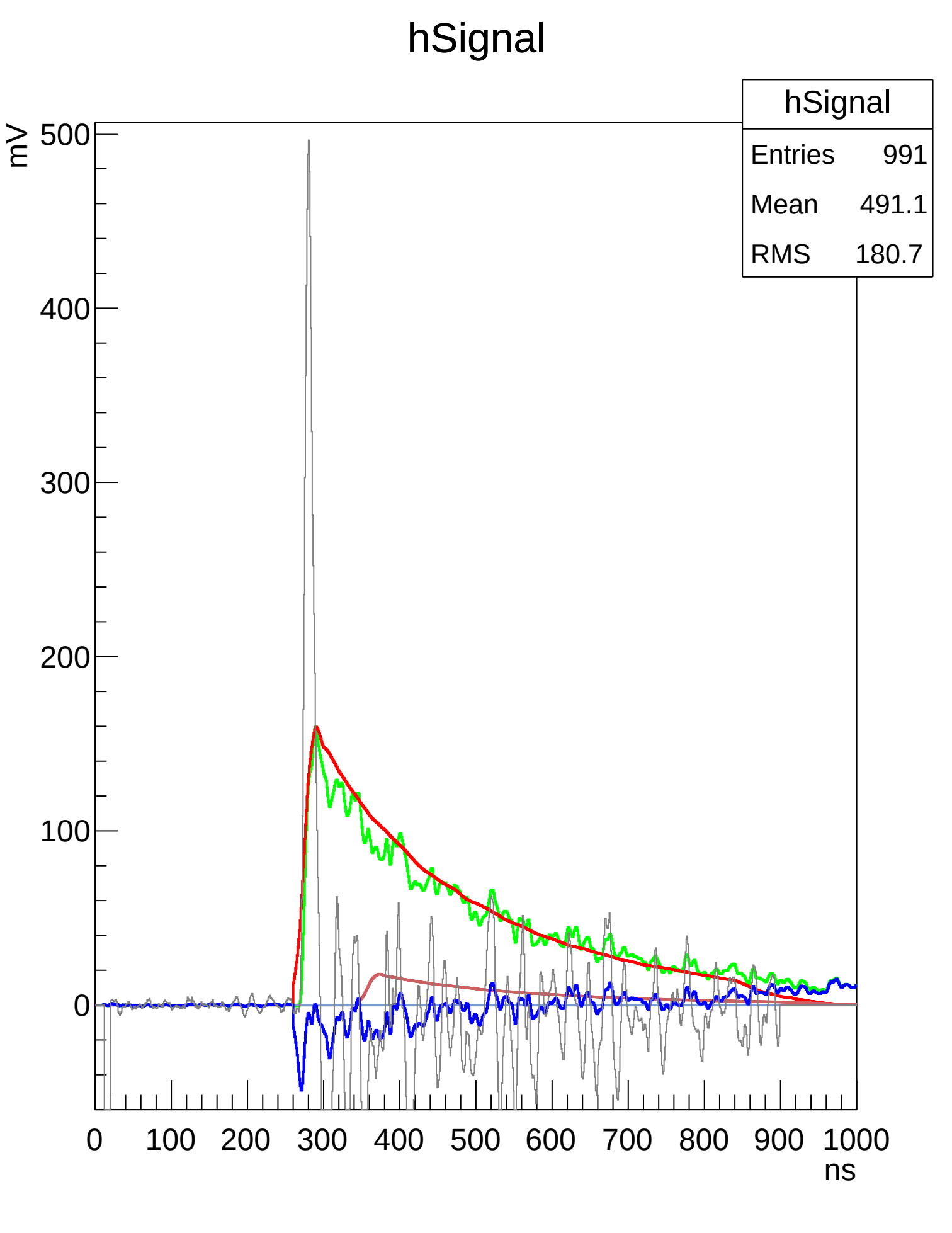

hSignal
hSignal
Entries 991
Mean 484.9
RMS 178.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

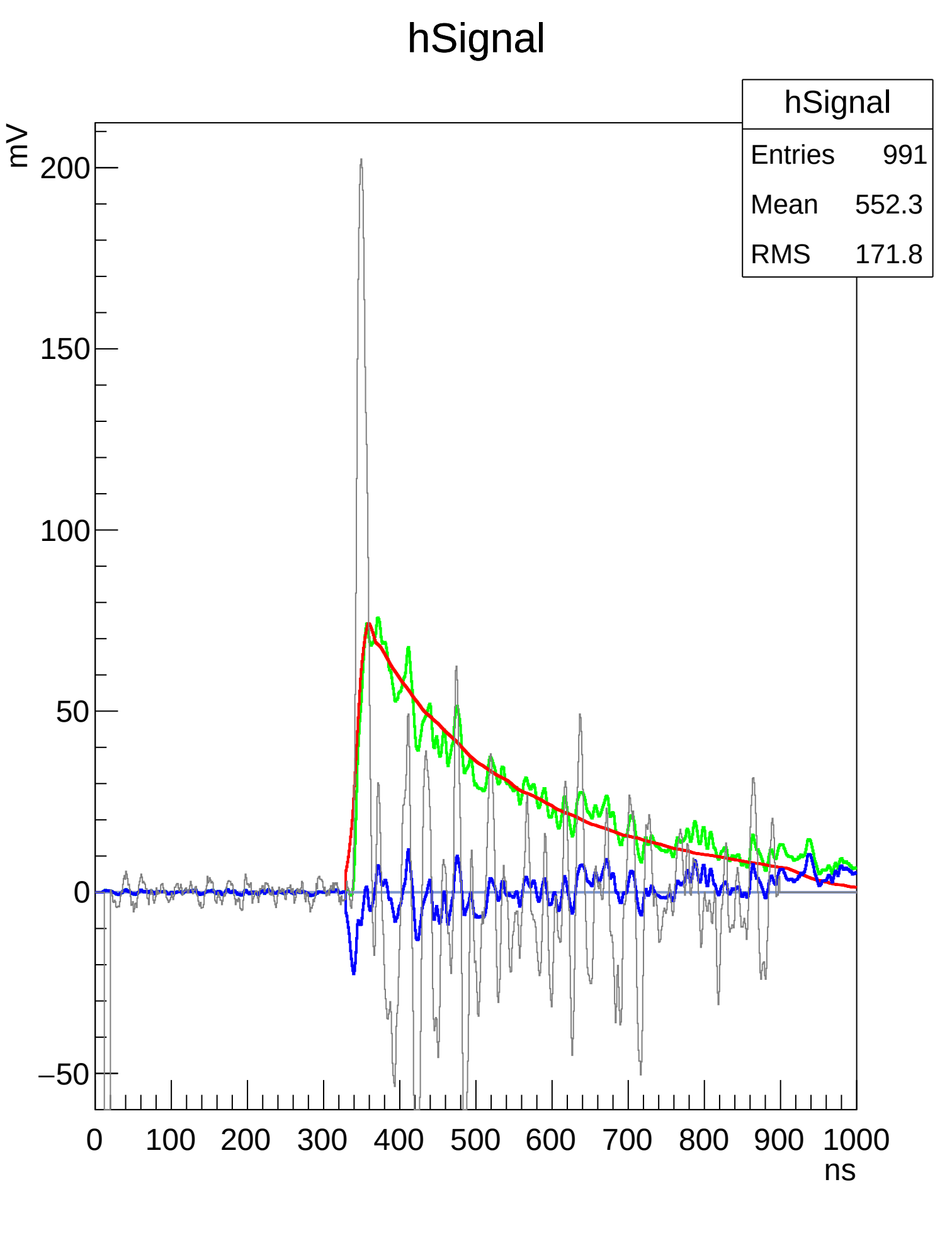

hSignal
hSignal
Entries 991
Mean 567.5
RMS 174.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

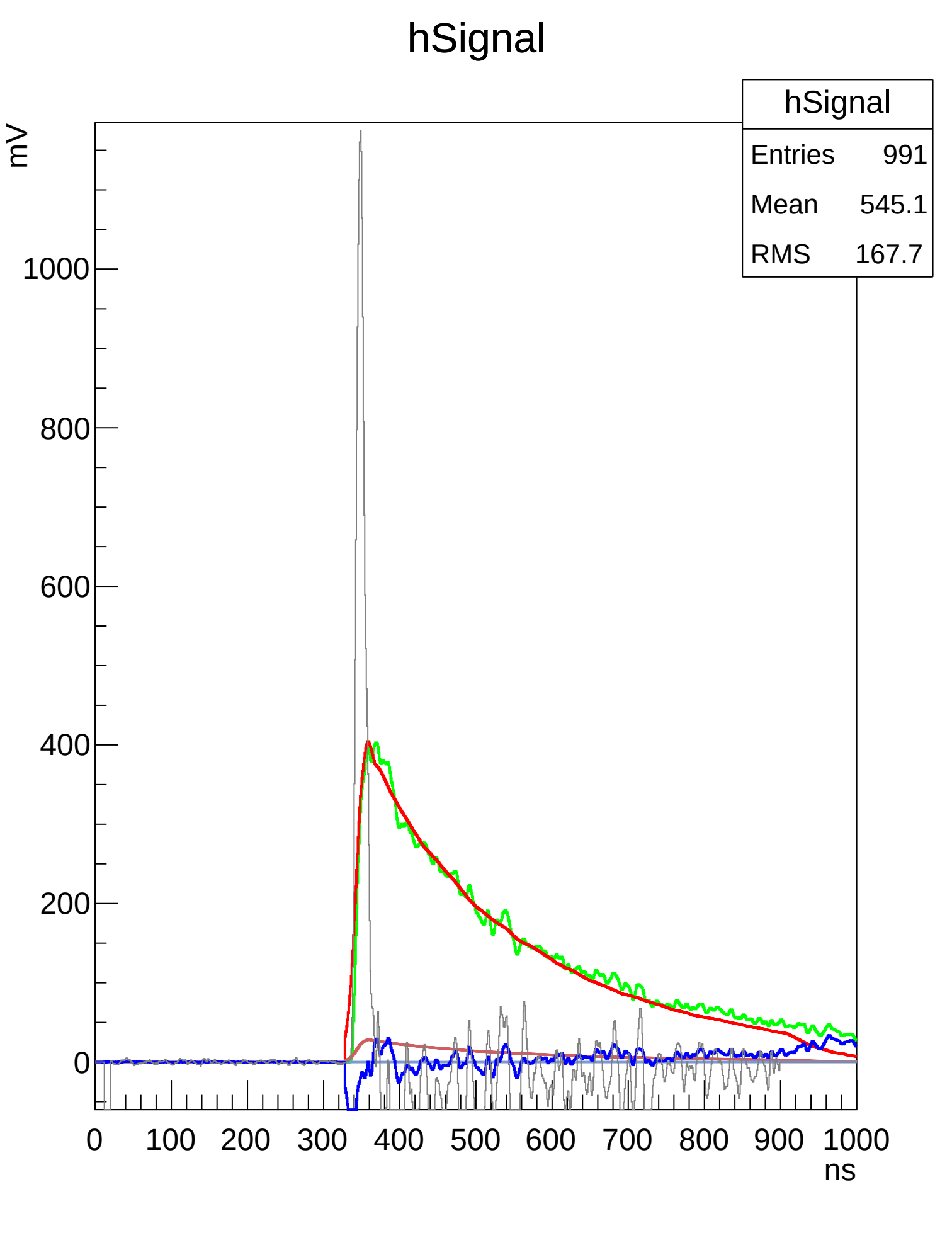

hSignal
hSignal
Entries 991
Mean 557.8
RMS 171.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

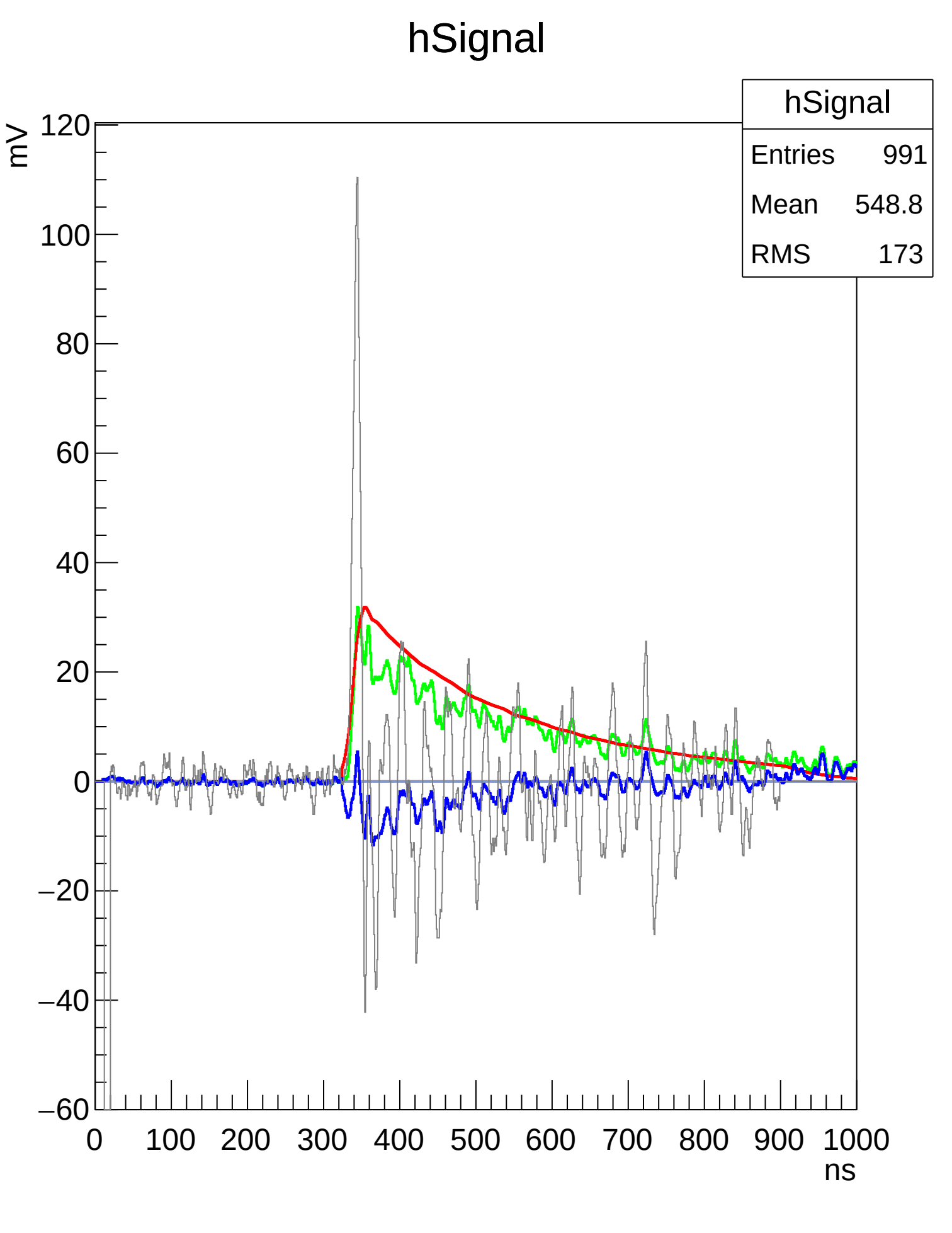

hSignal
hSignal
Entries 991
Mean 565
RMS 152.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

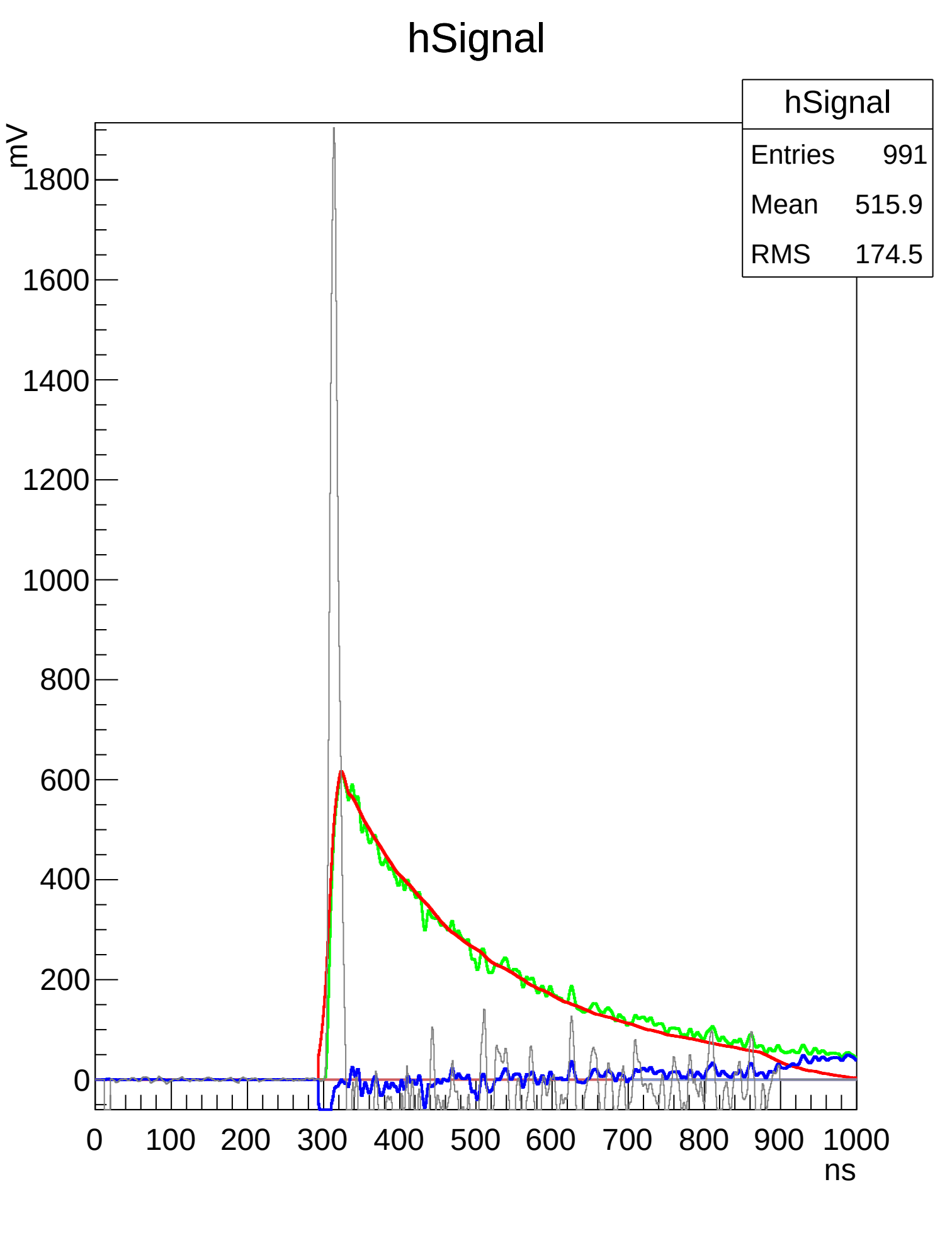

hSignal
hSignal
Entries 991
Mean 486.6
RMS 179.2
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

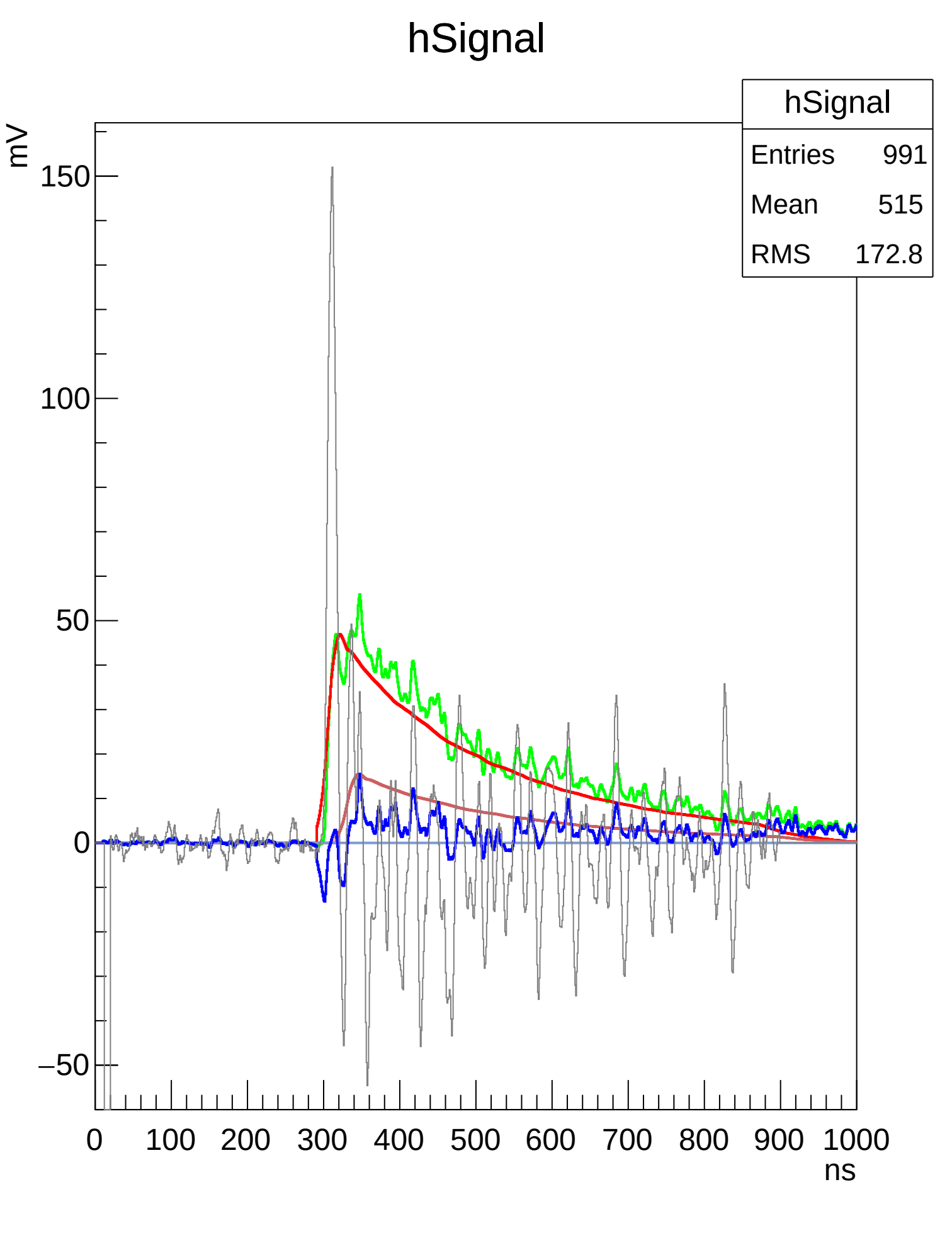

hSignal
hSignal
Entries 991
Mean 491.1
RMS 180.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

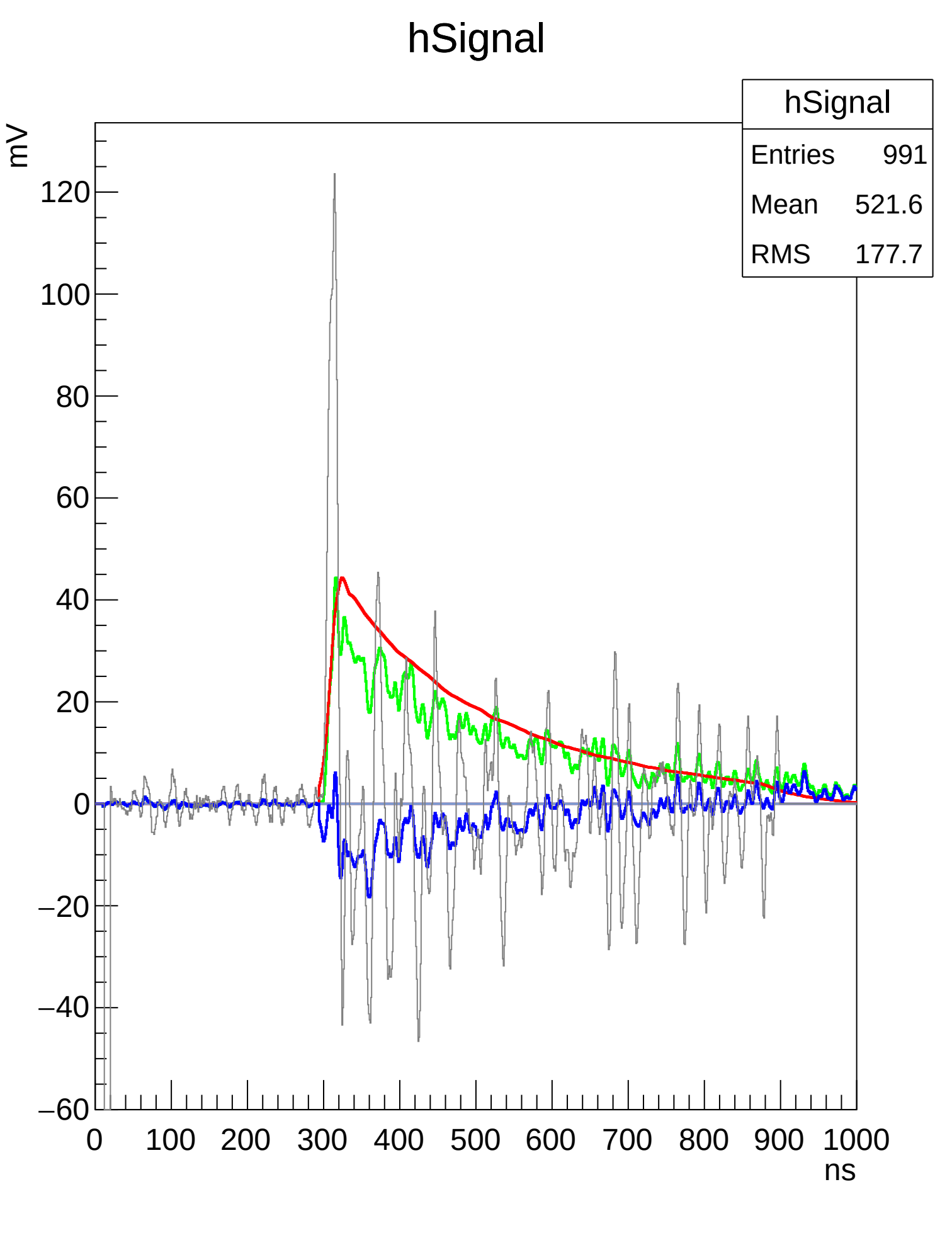

hSignal
hSignal
Entries 991
Mean 552.3
RMS 171.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

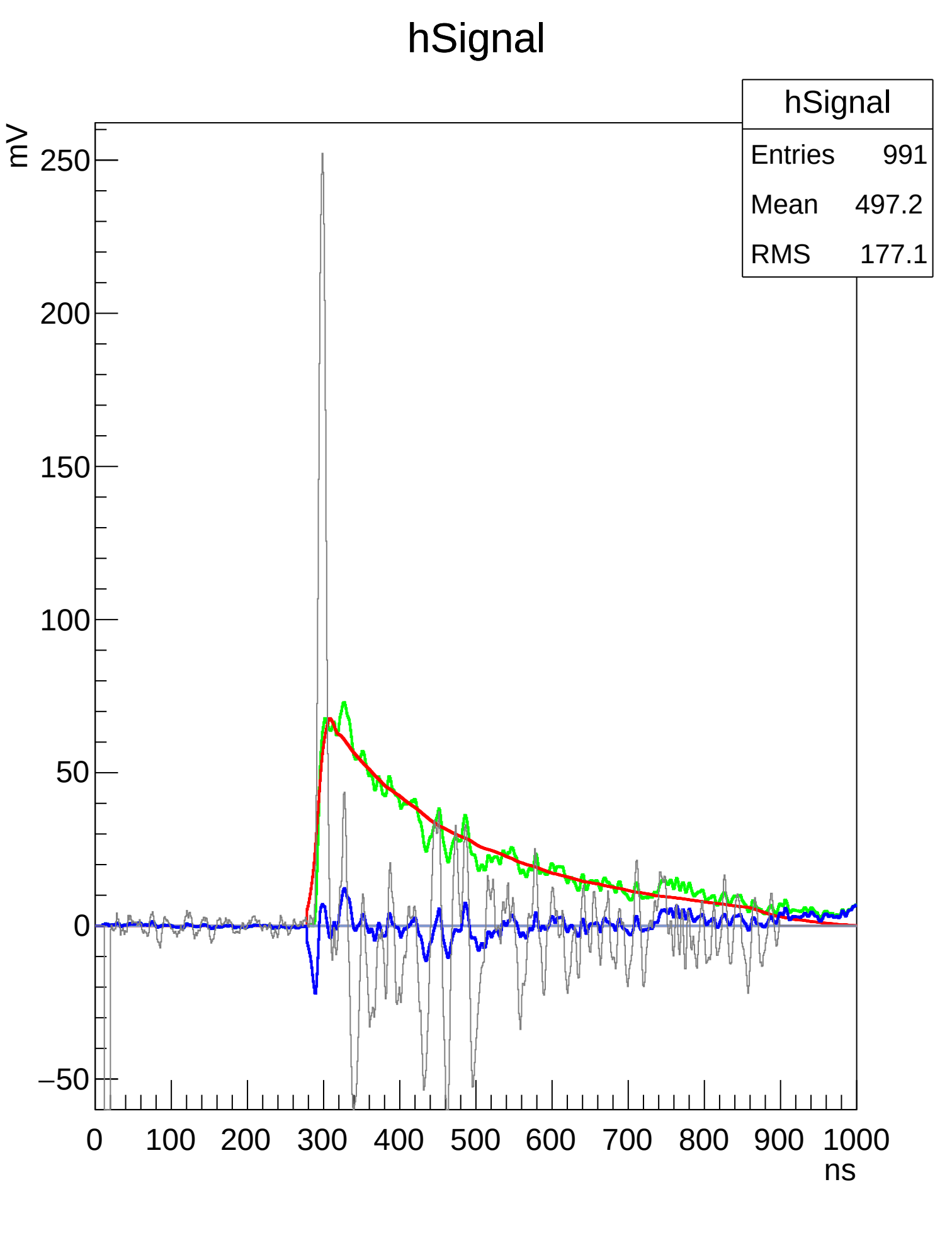

hSignal
hSignal
Entries 991
Mean 545.1
RMS 167.7
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

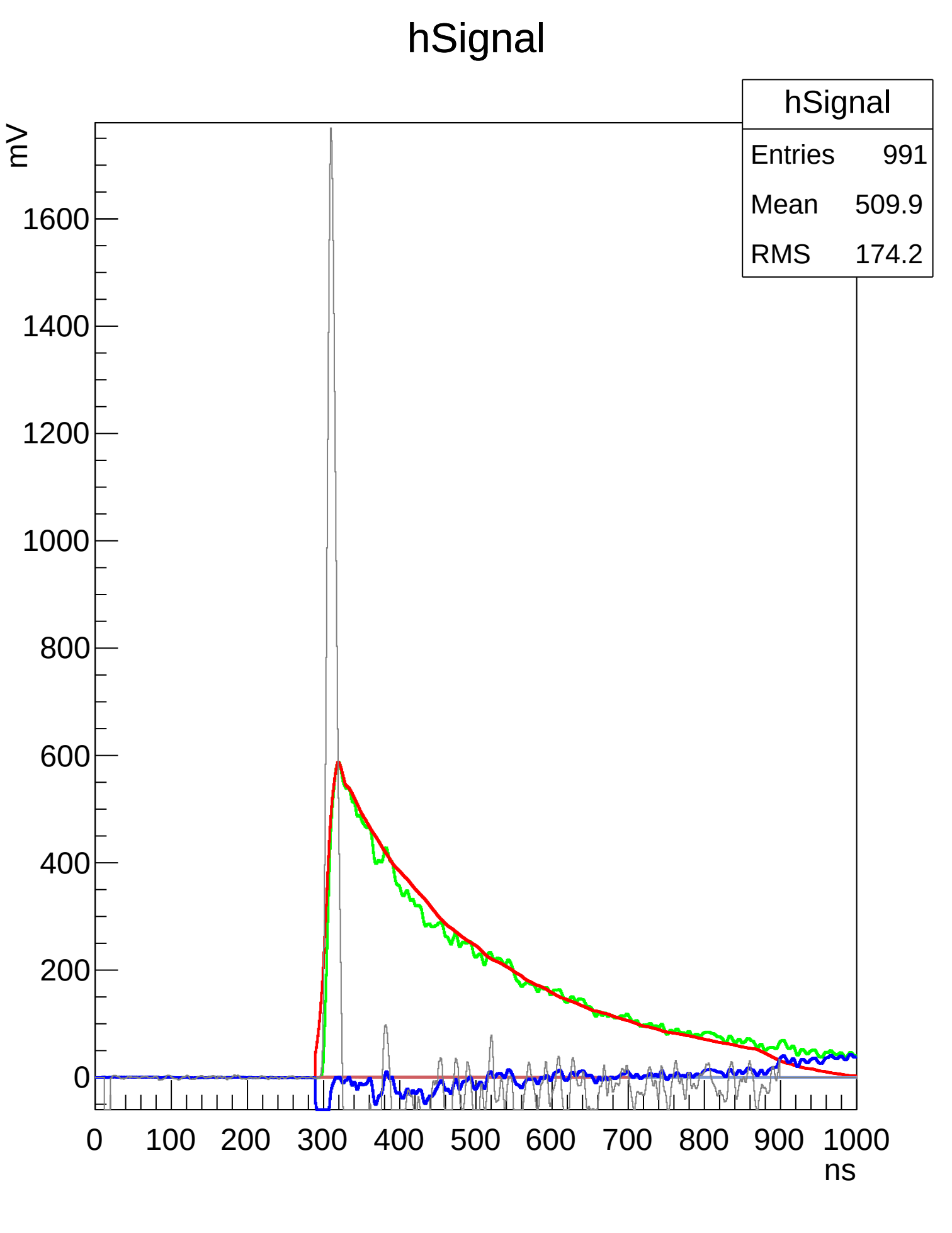

hSignal
hSignal
Entries 991
Mean 548.8
RMS 173
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

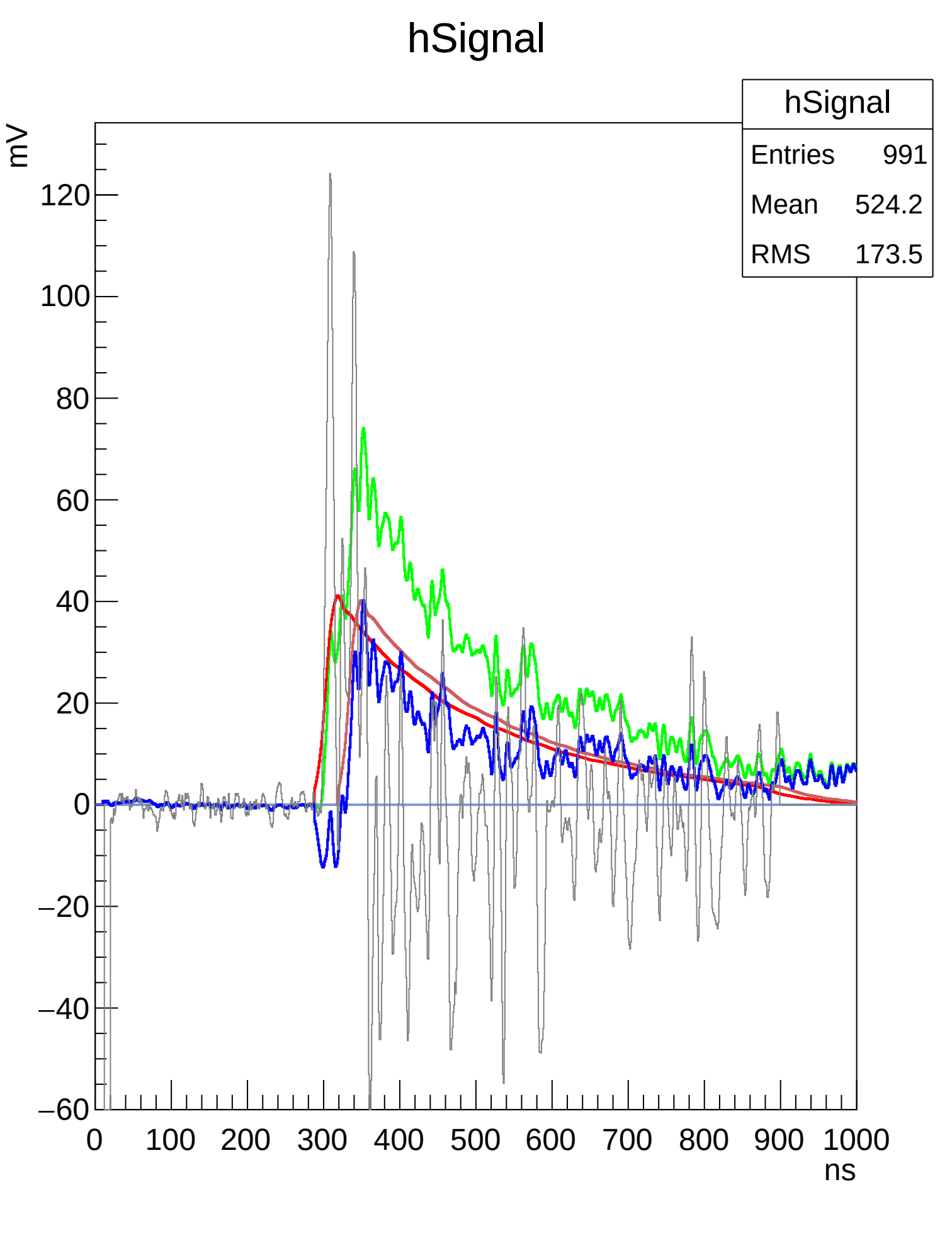

hSignal
hSignal
Entries 991
Mean 515.9
RMS 174.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

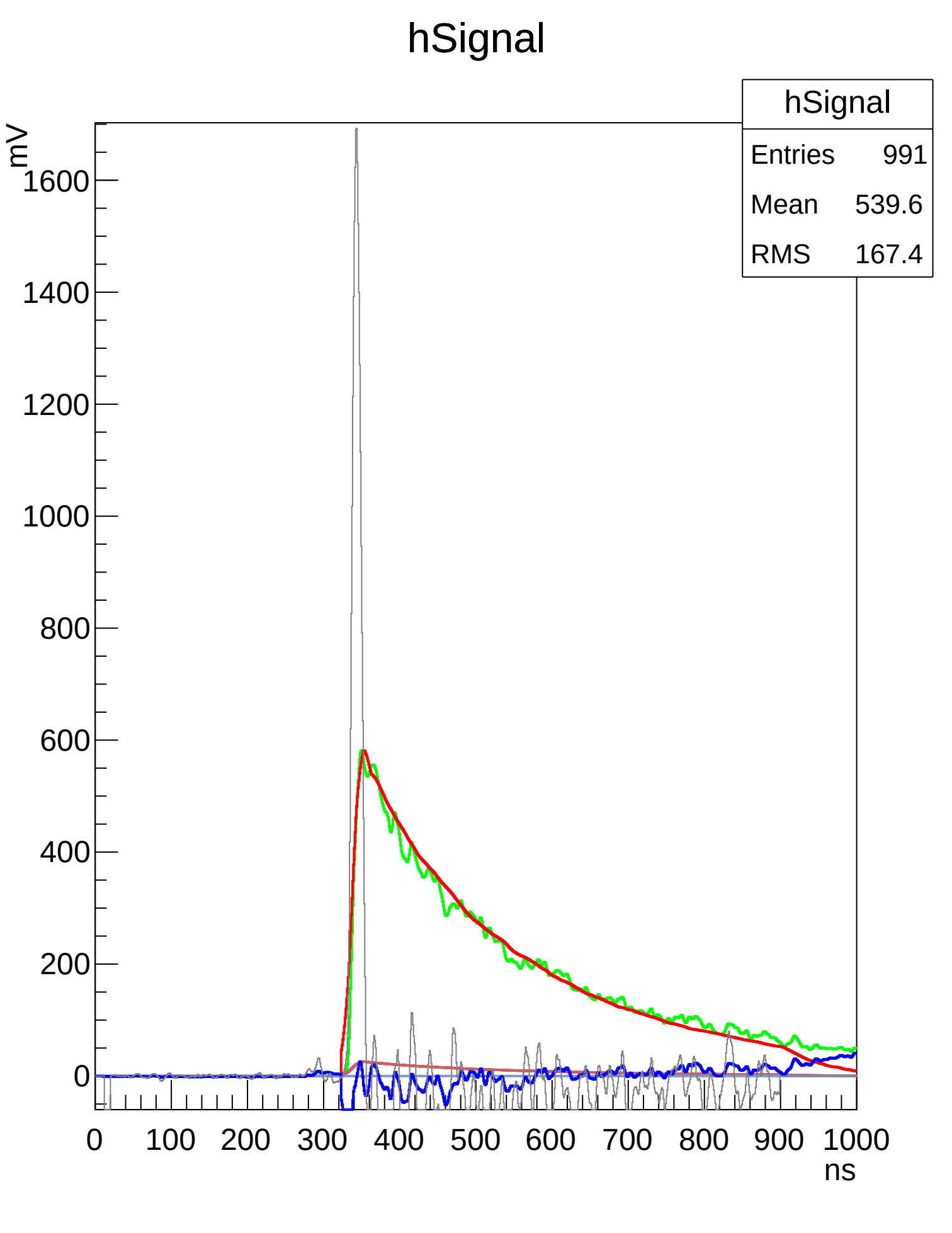

hSignal
hSignal
Entries 991
Mean 515
RMS 172.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

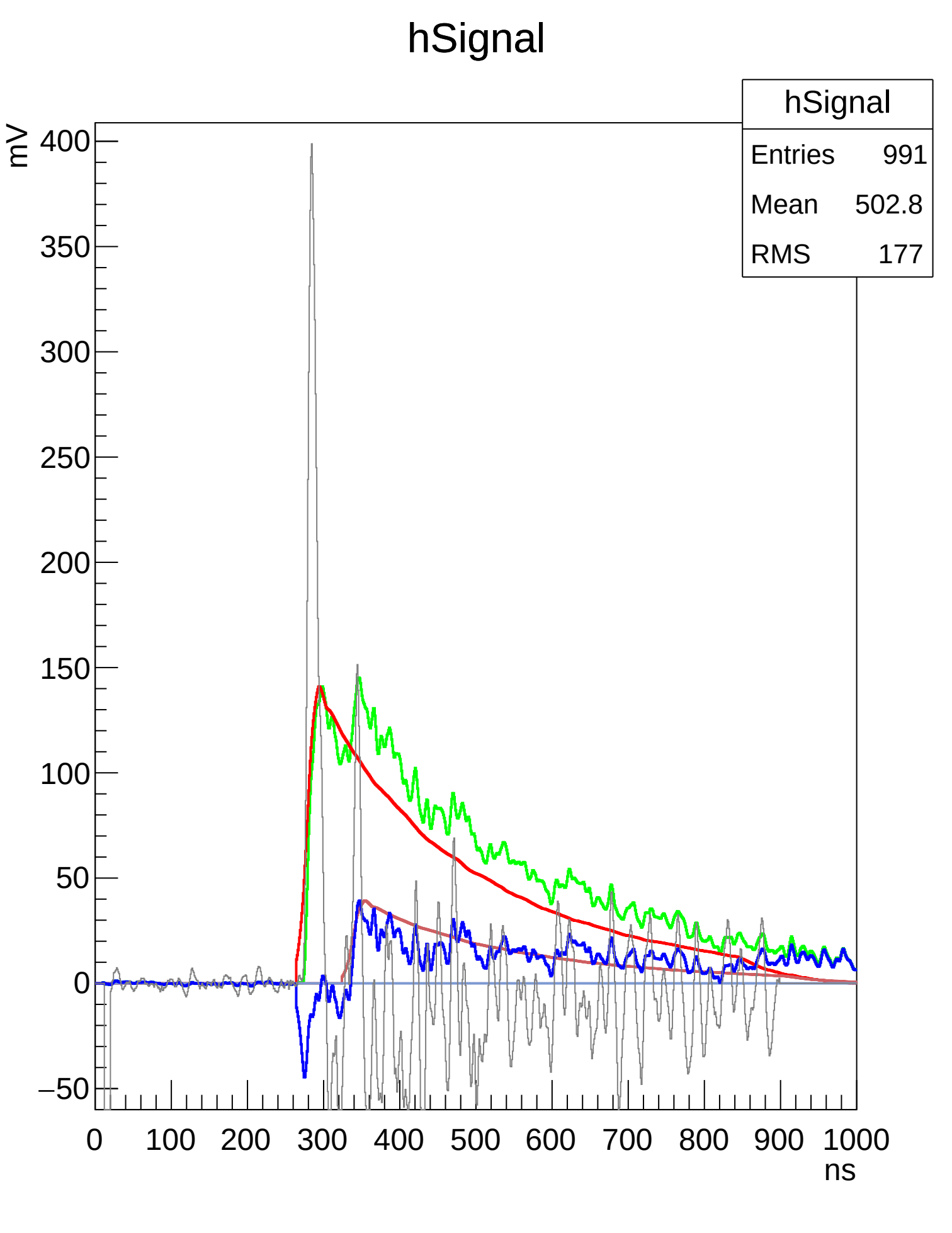

hSignal
hSignal
Entries 991
Mean 521.6
RMS 177.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

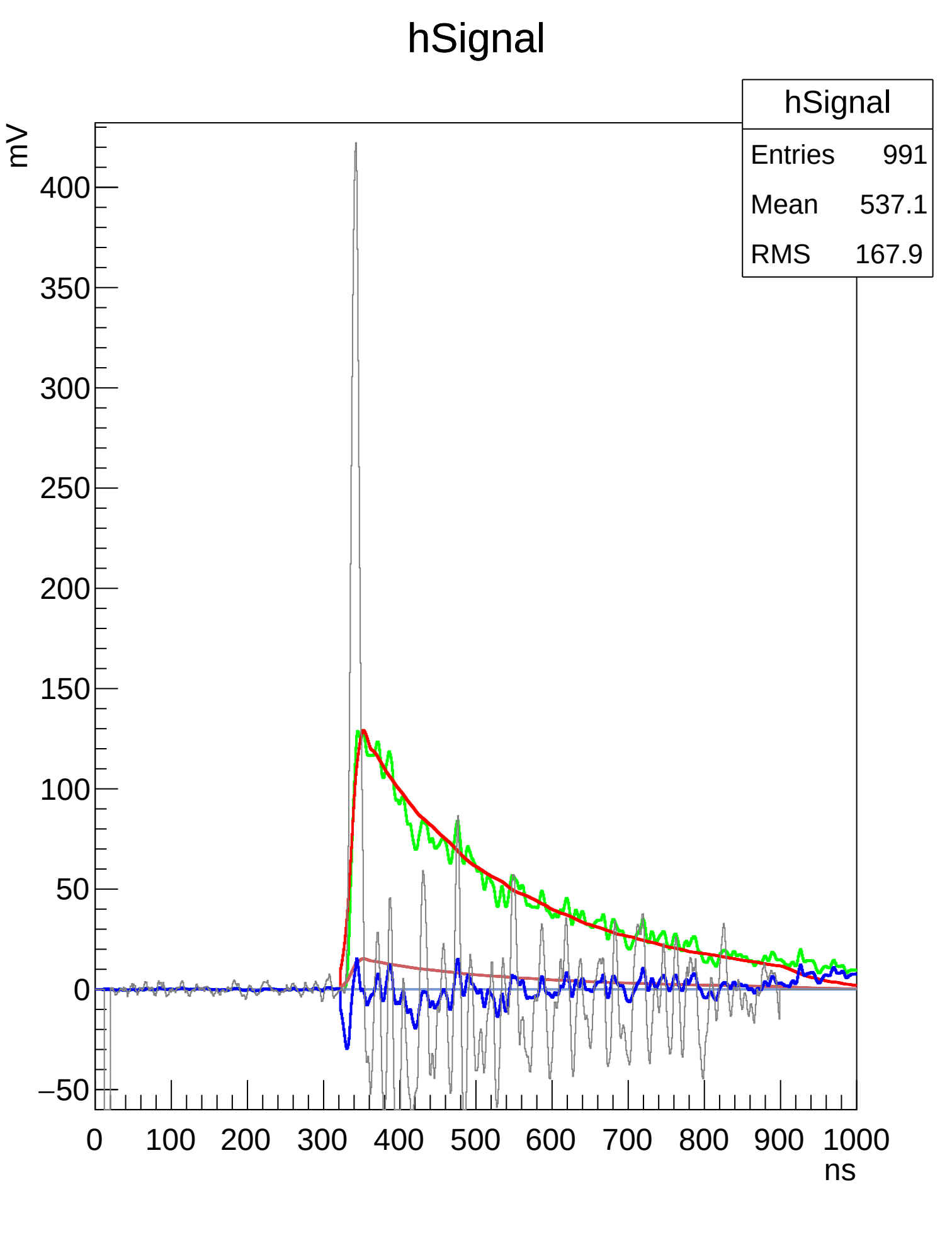

hSignal
hSignal
Entries 991
Mean 497.2
RMS 177.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

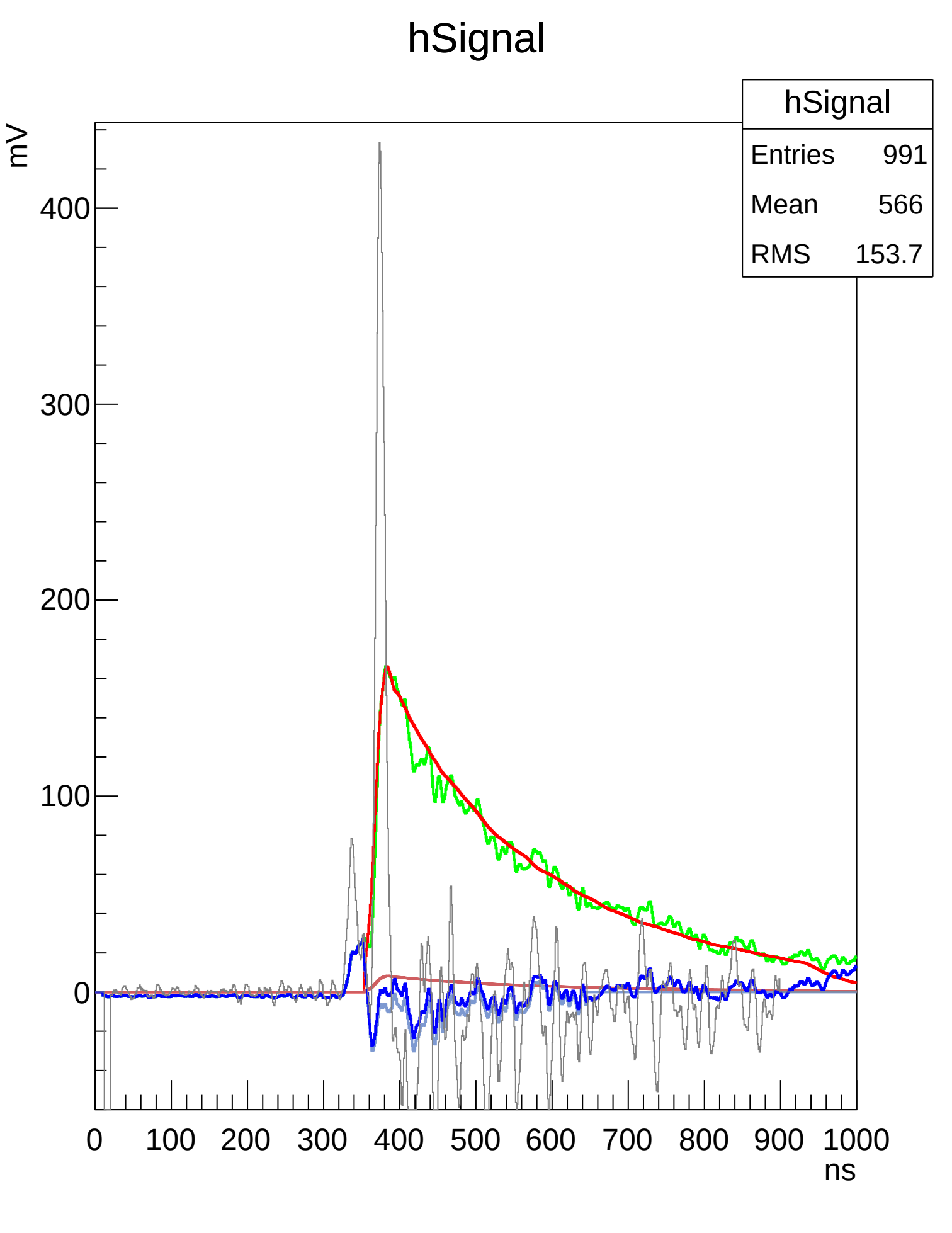

hSignal
hSignal
Entries 991
Mean 509.9
RMS 174.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

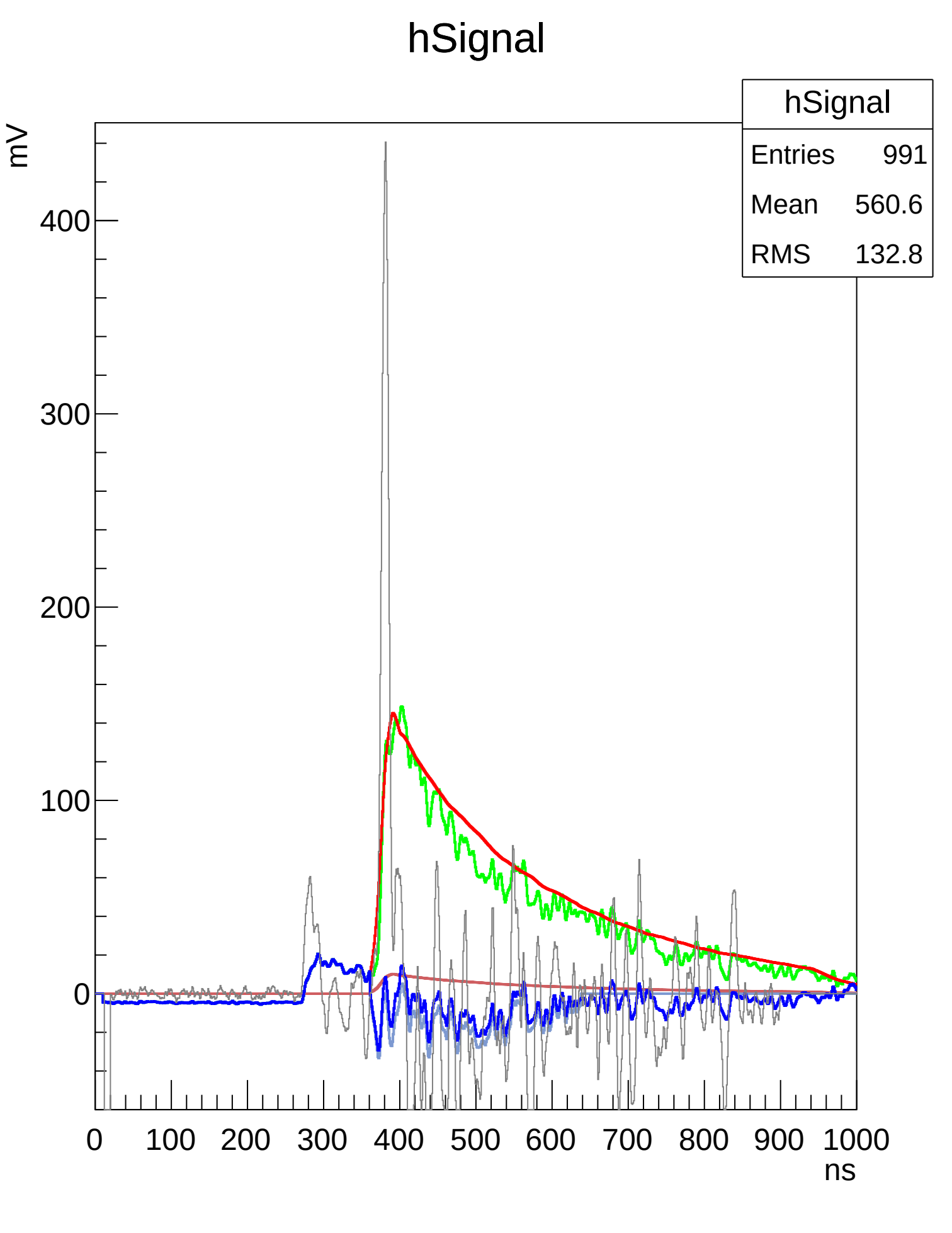

hSignal
hSignal
Entries 991
Mean 524.2
RMS 173.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

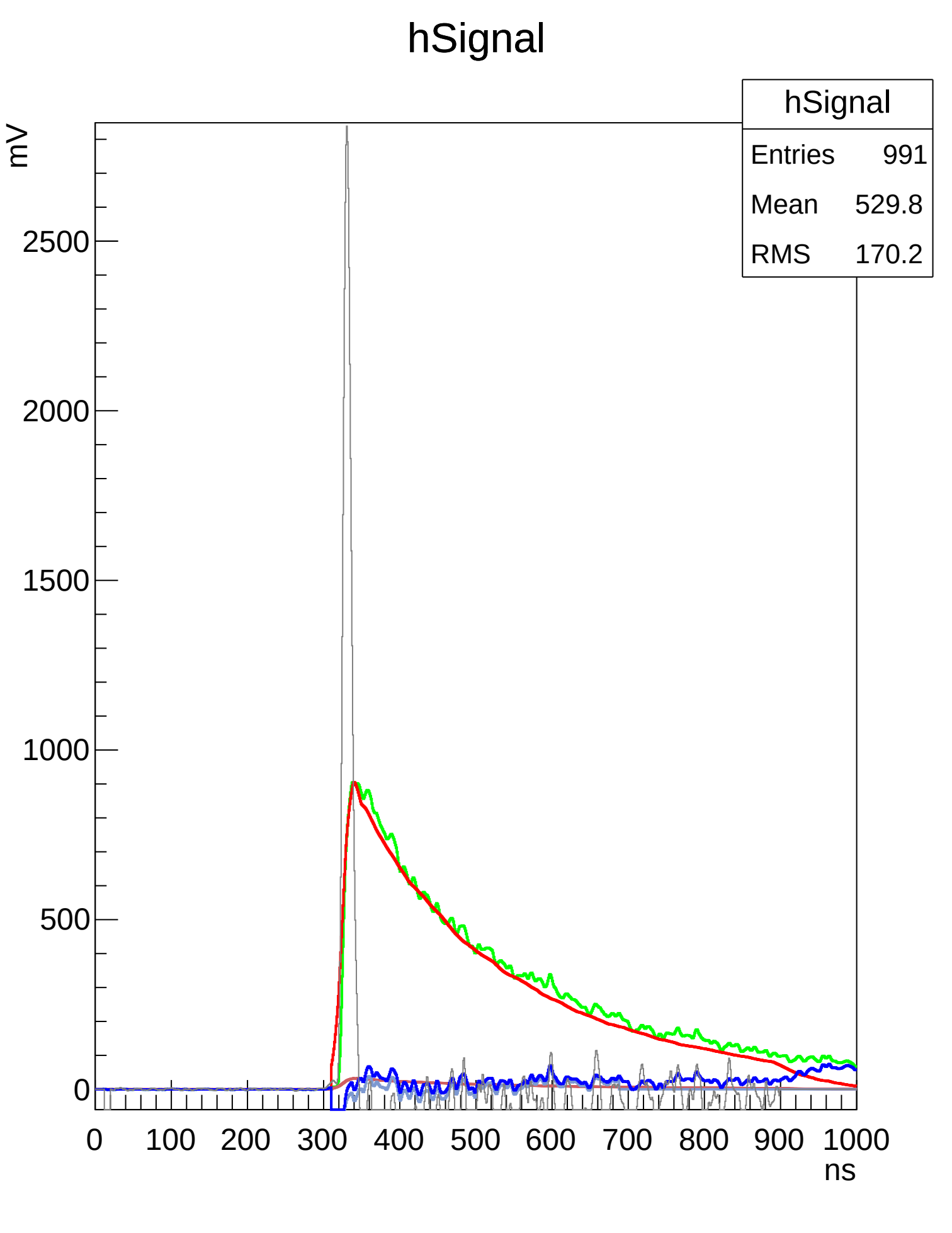

hSignal
hSignal
Entries 991
Mean 539.6
RMS 167.4
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

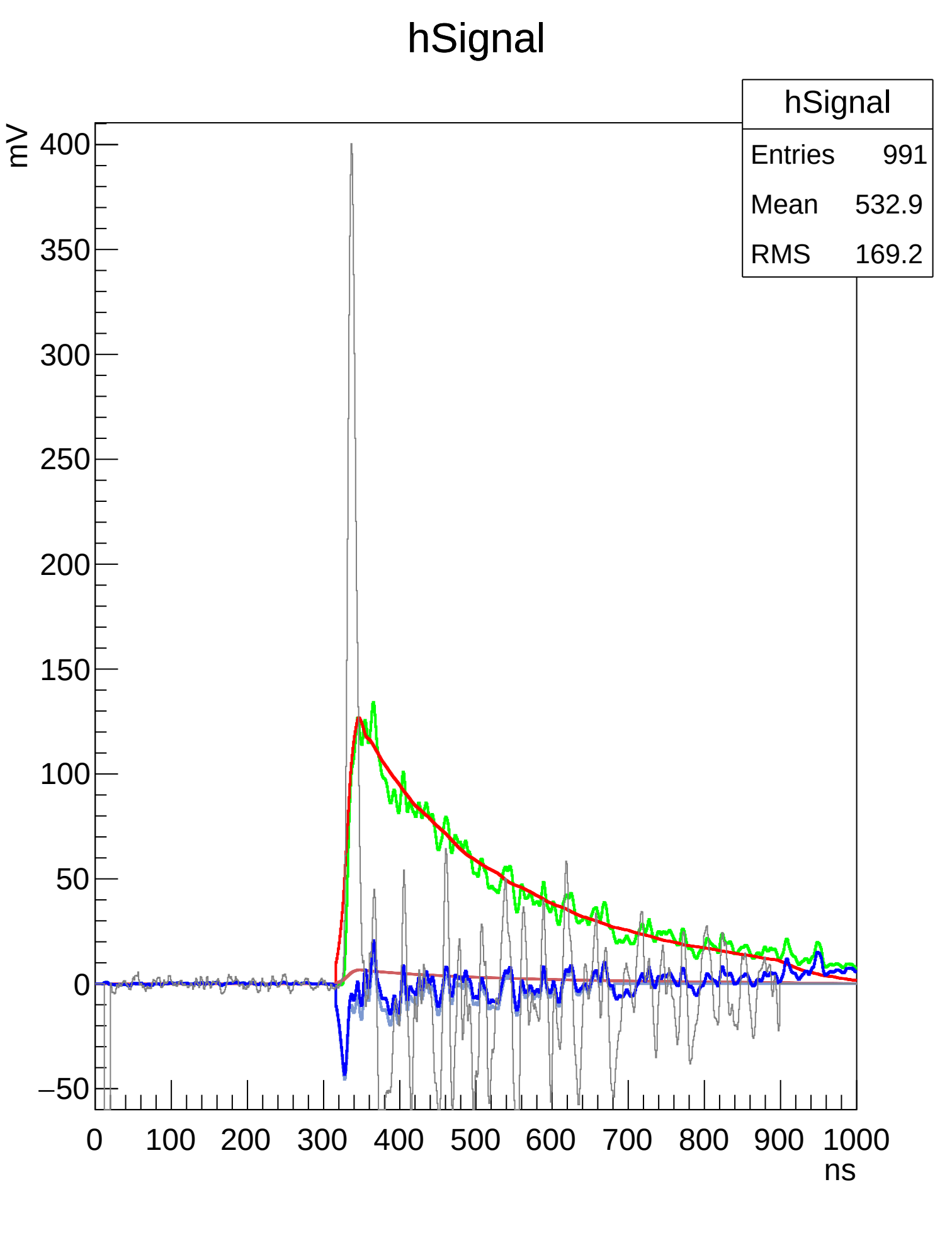

hSignal
hSignal
Entries 991
Mean 502.8
RMS 177
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

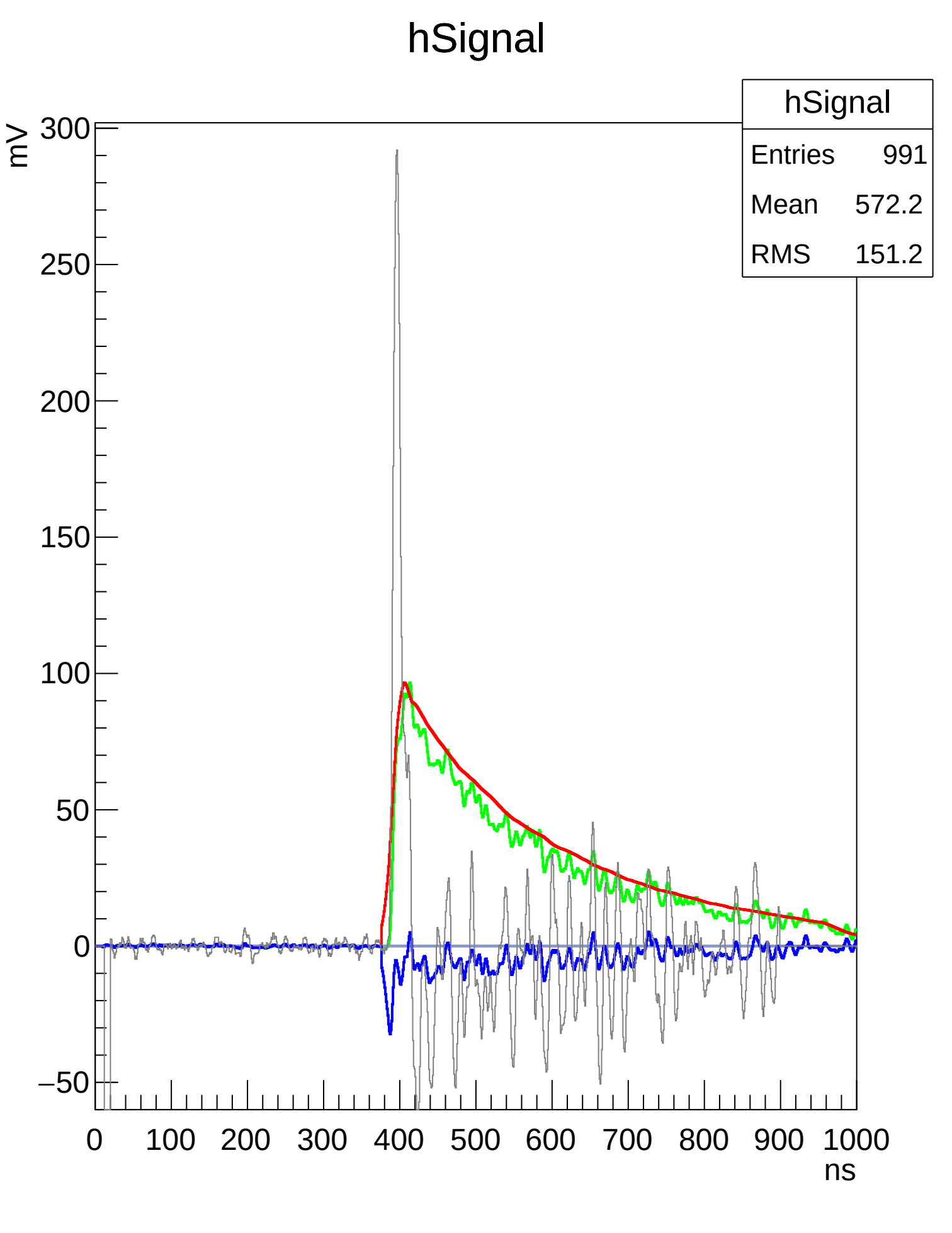

hSignal
hSignal
Entries 991
Mean 537.1
RMS 167.9
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

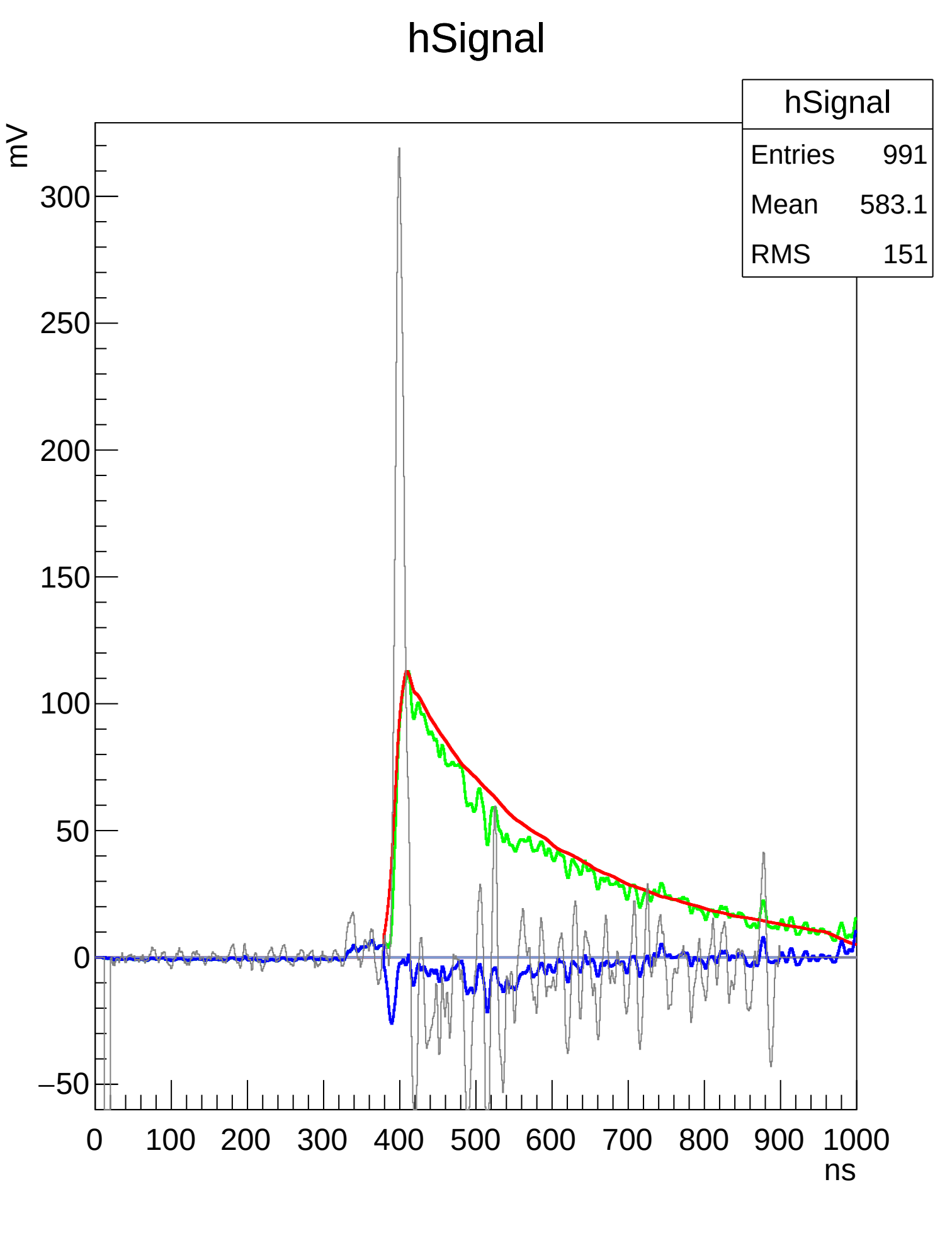

hSignal
hSignal
Entries 991
Mean 566
RMS 153.7
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

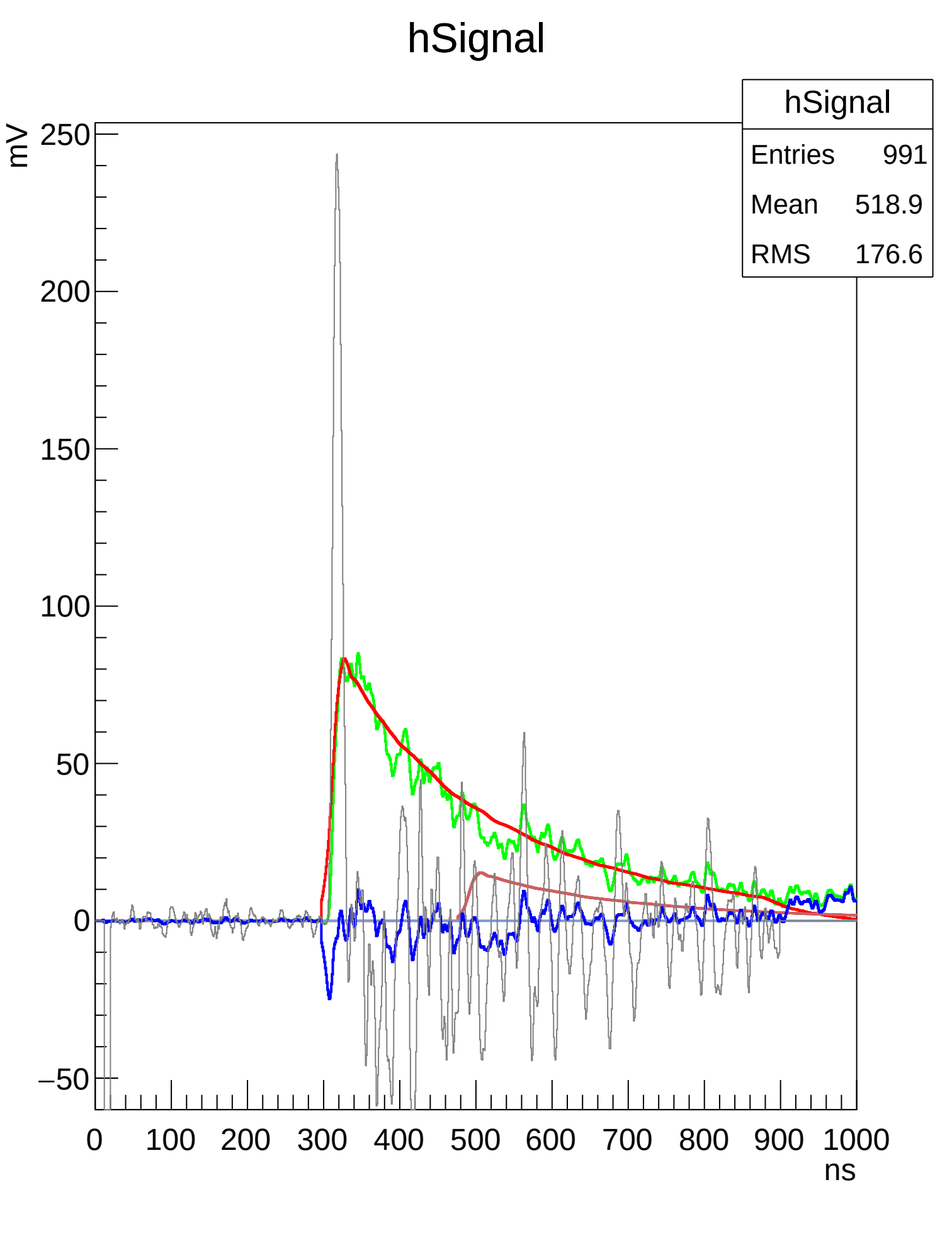

hSignal
hSignal
Entries 991
Mean 560.6
RMS 132.8
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

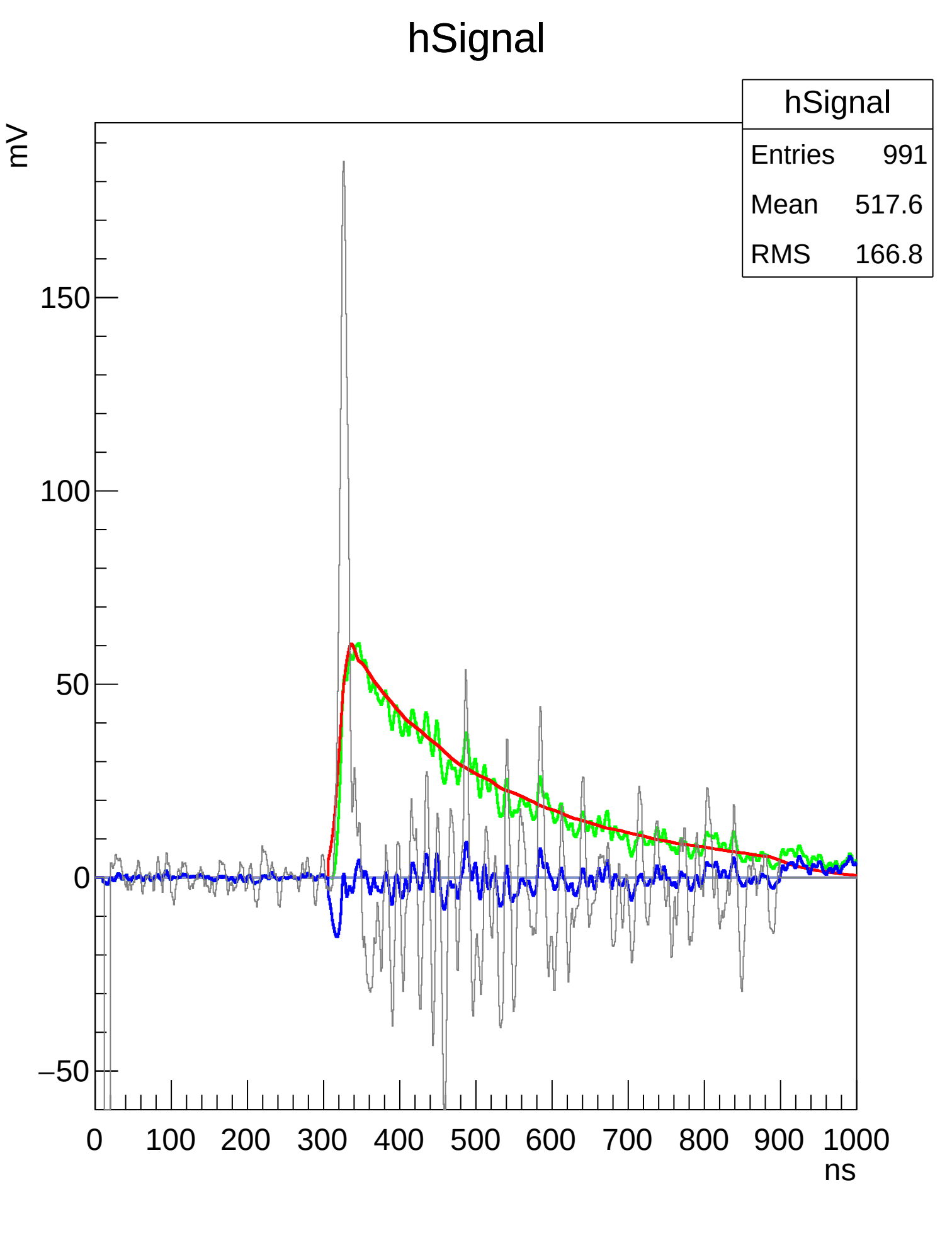

hSignal
hSignal
Entries 991
Mean 529.8
RMS 170.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

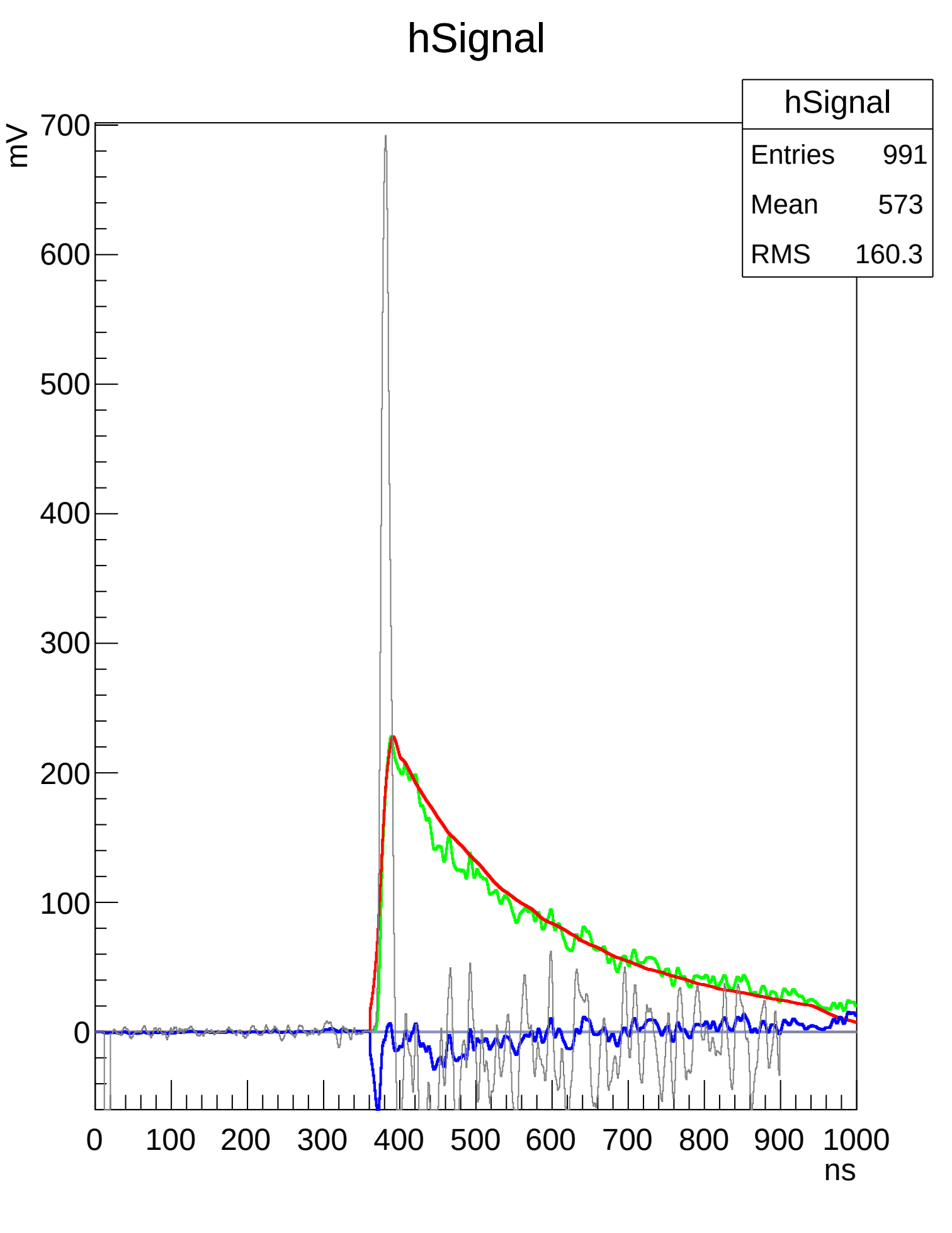

hSignal
hSignal
Entries 991
Mean 532.9
RMS 169.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

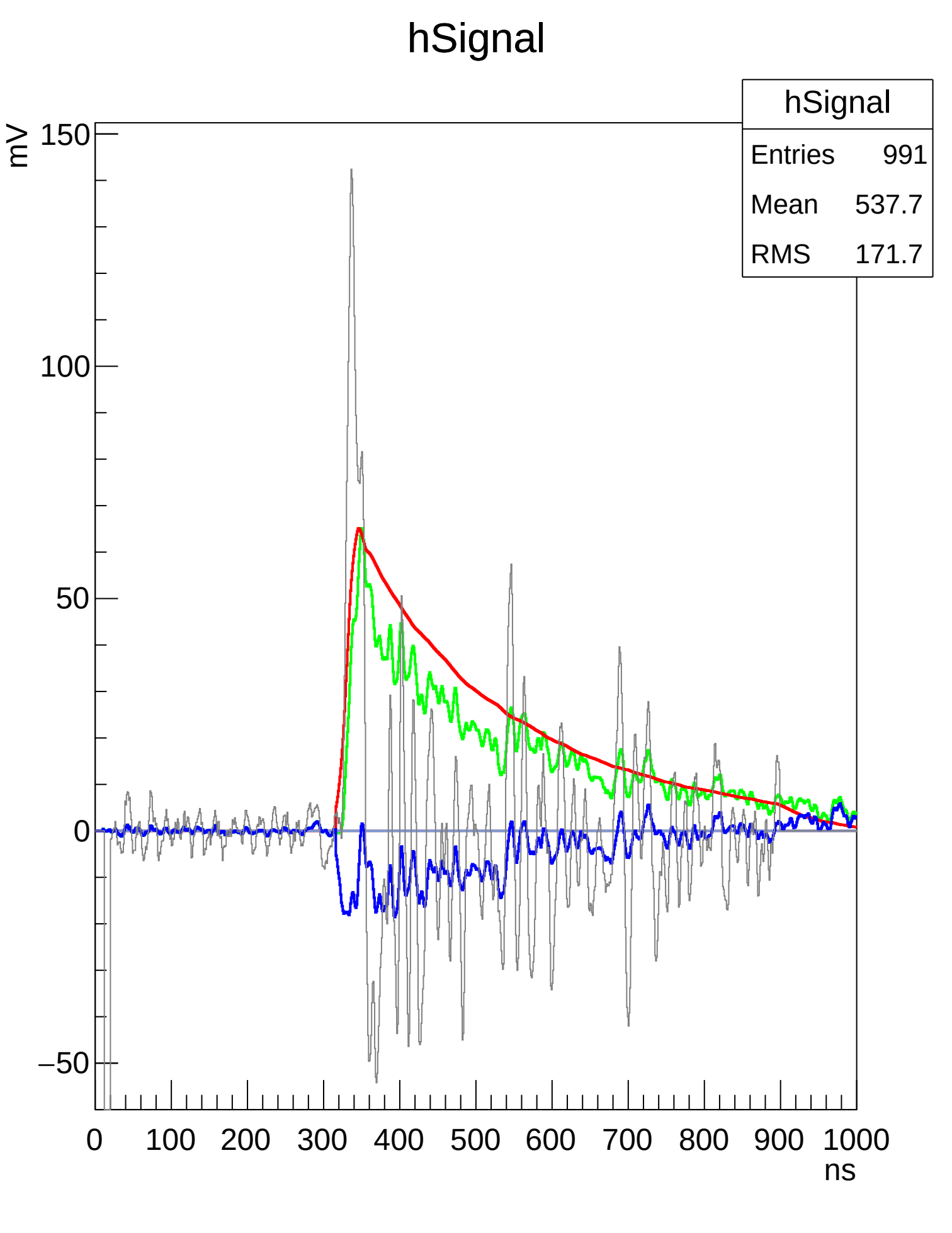

hSignal
hSignal
Entries 991
Mean 572.2
RMS 151.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

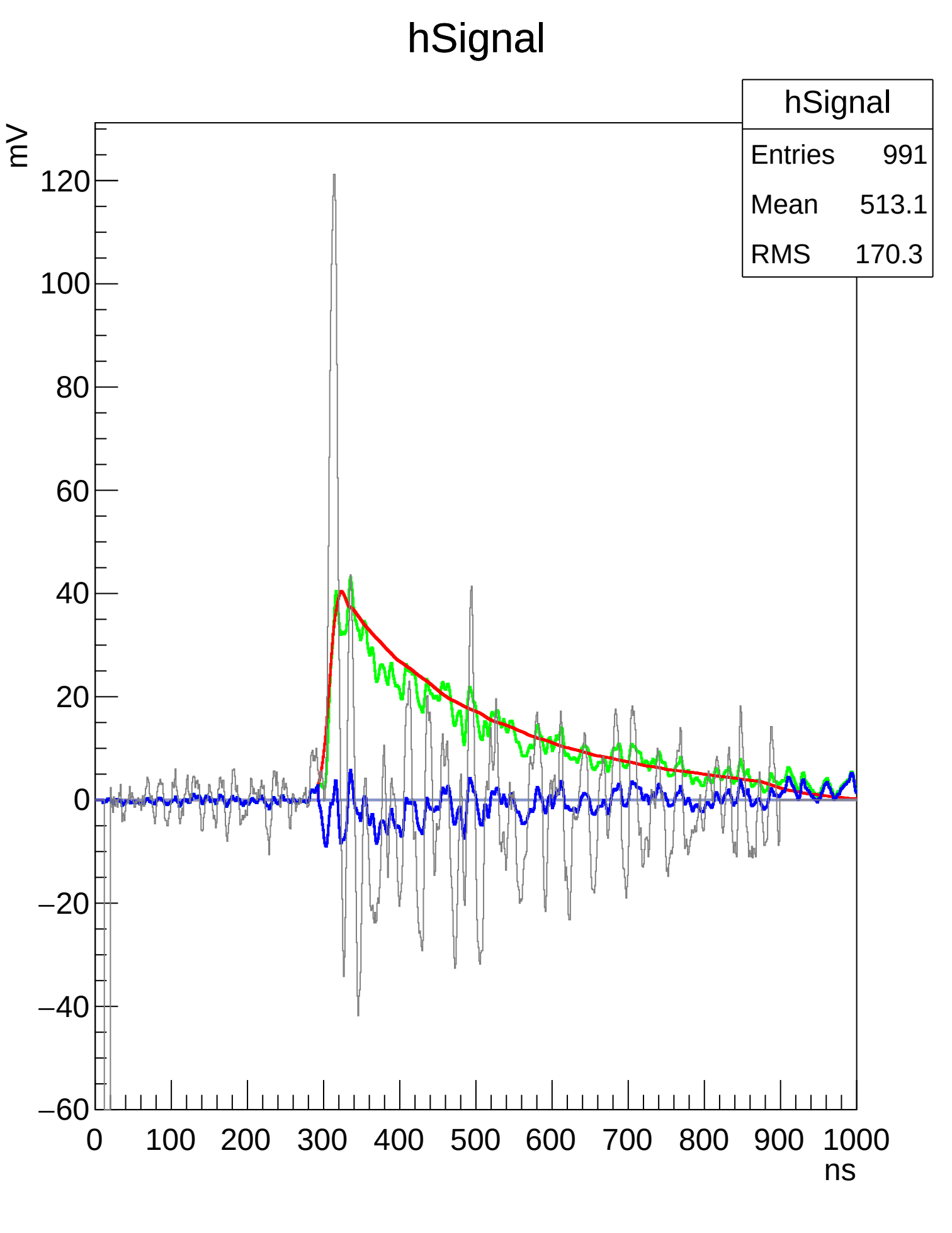

hSignal
hSignal
Entries 991
Mean 583.1
RMS 151
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

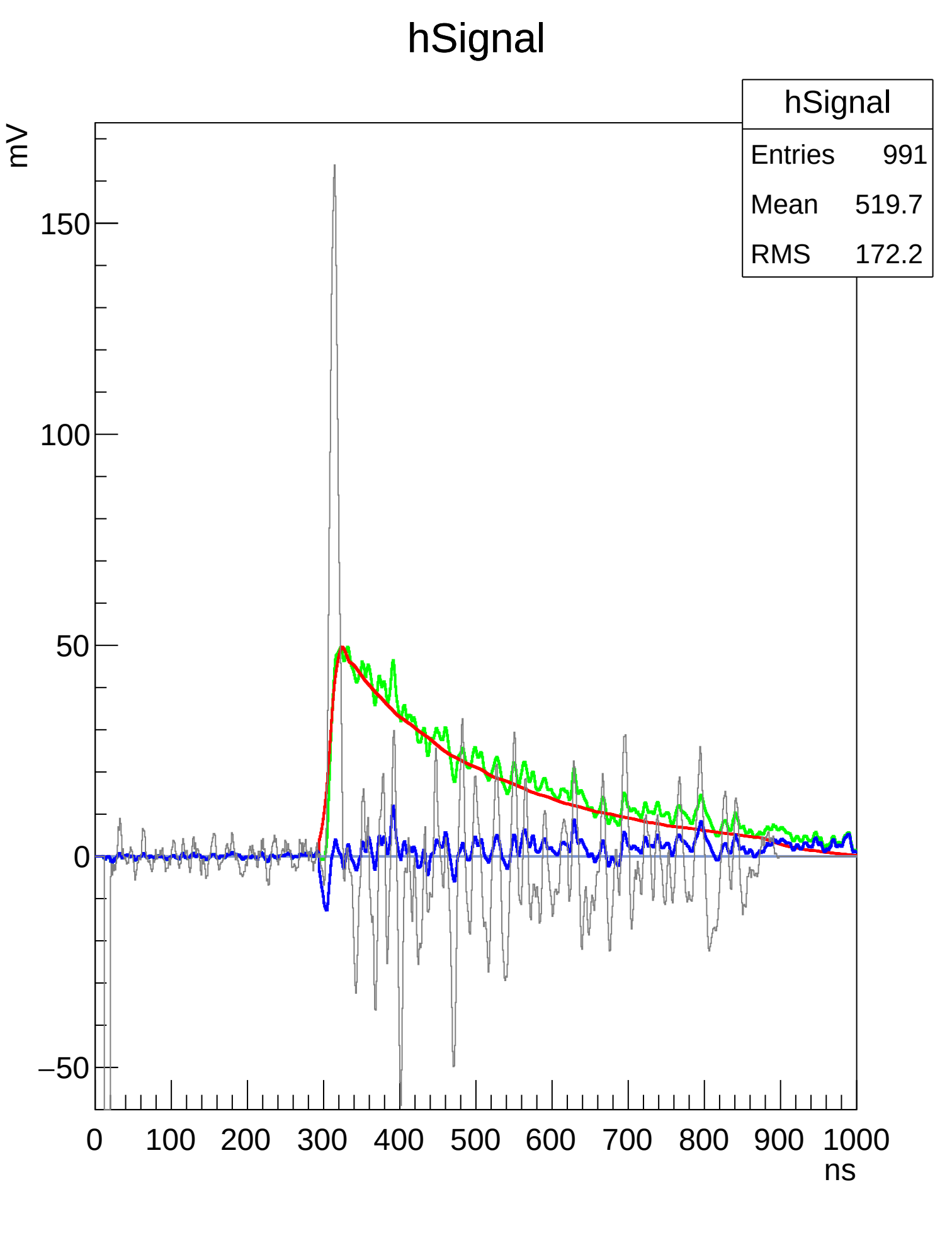

hSignal
hSignal
Entries 991
Mean 518.9
RMS 176.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

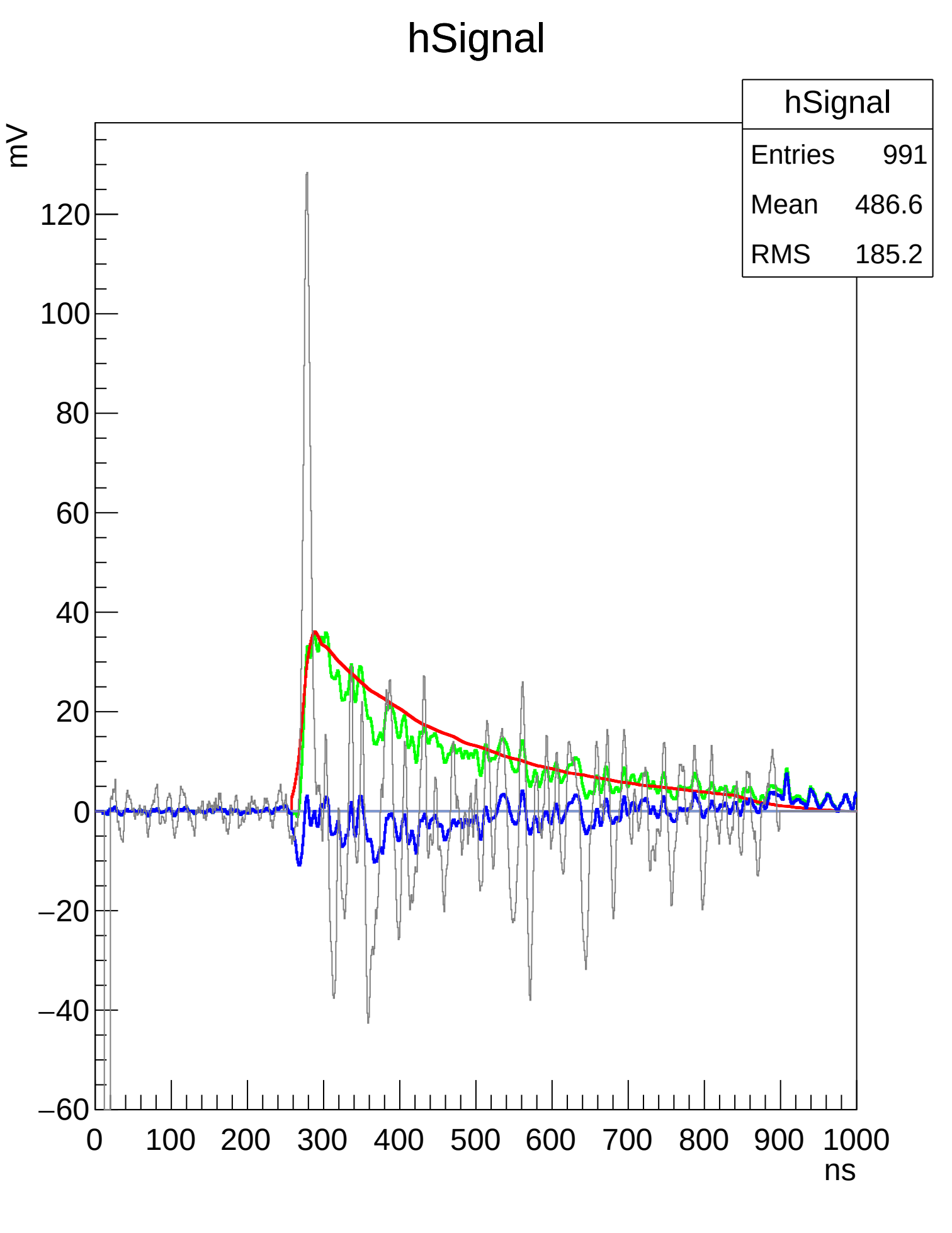

hSignal
hSignal
Entries 991
Mean 517.6
RMS 166.8
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

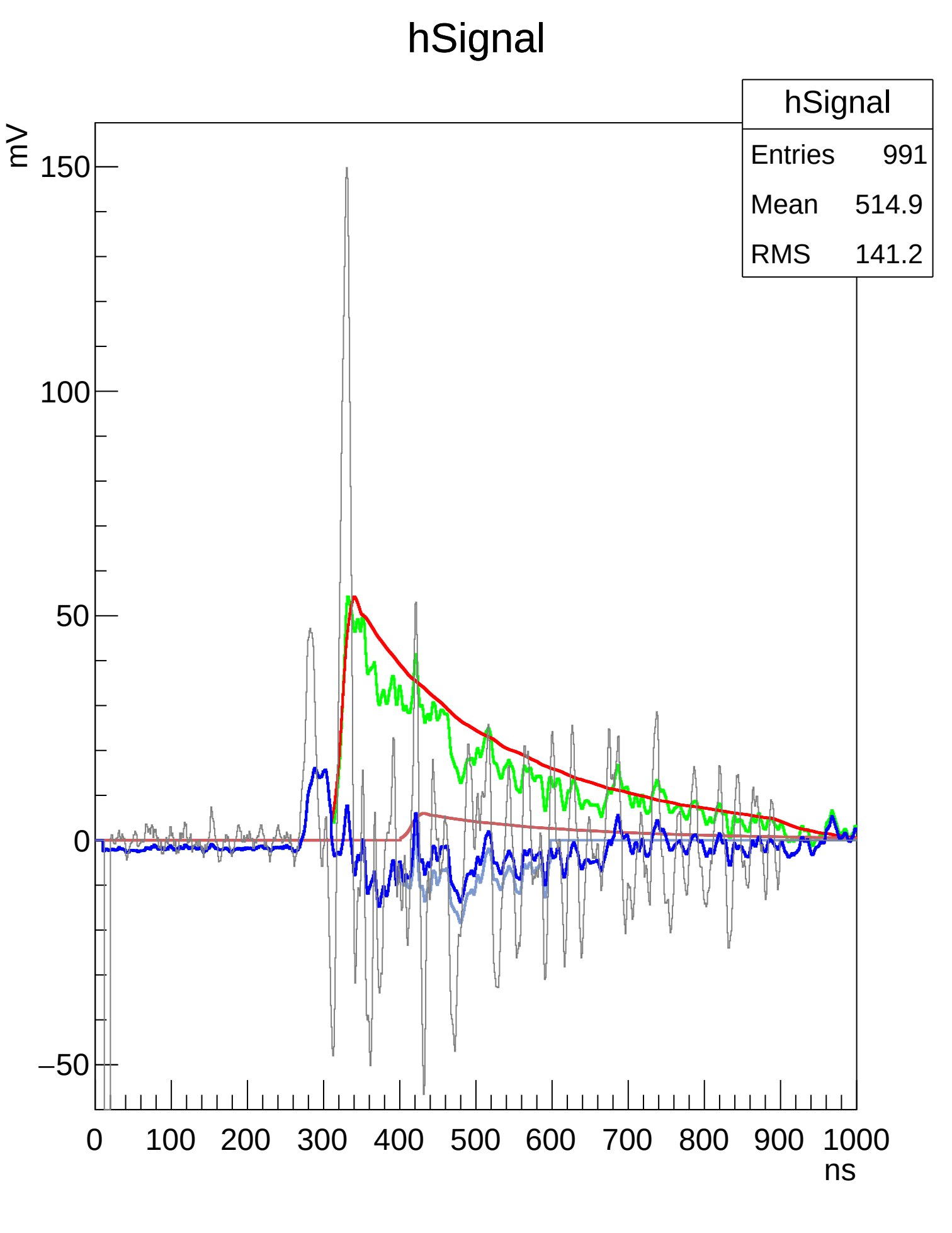

hSignal
hSignal
Entries 991
Mean 573
RMS 160.3
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

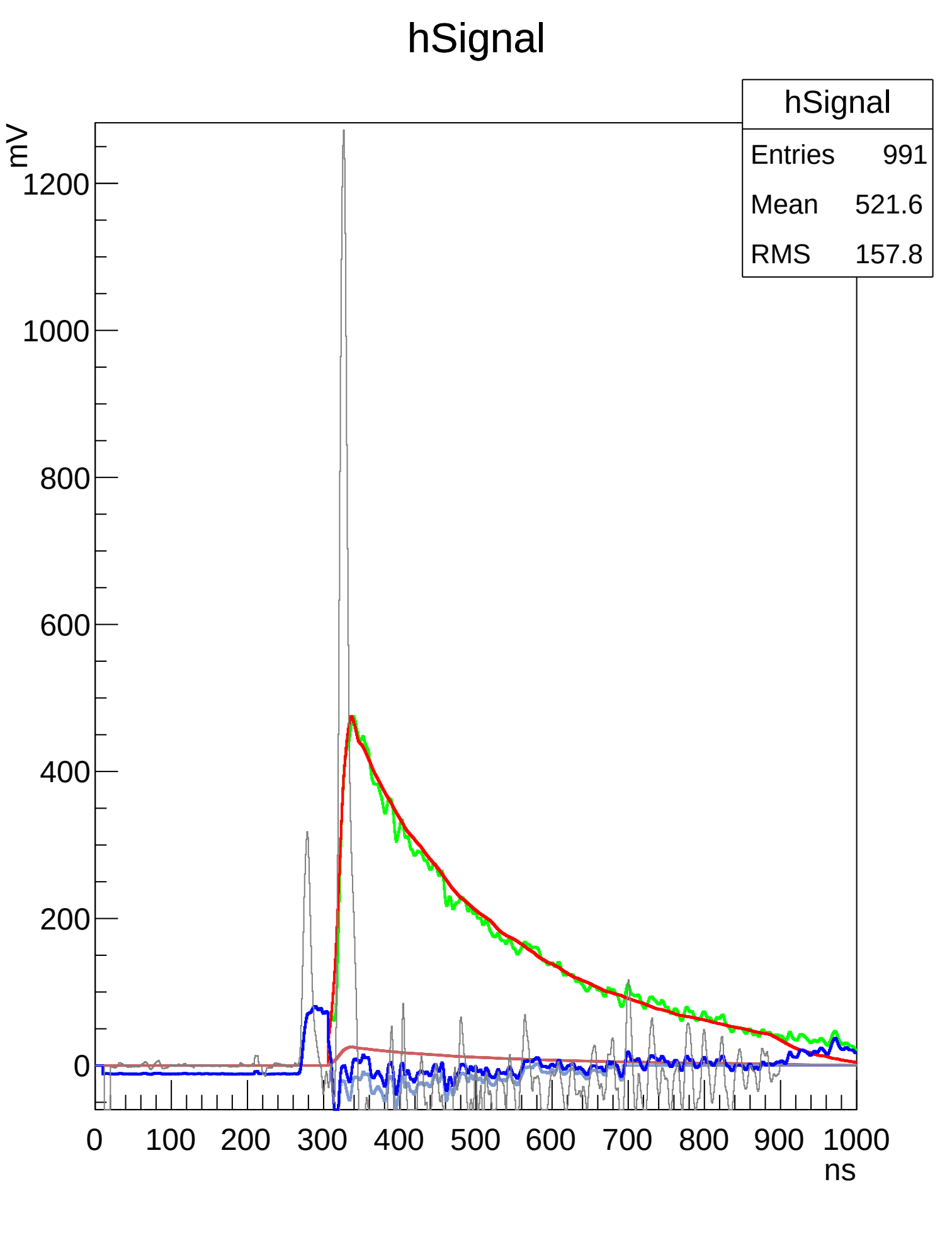

hSignal
hSignal
Entries 991
Mean 537.7
RMS 171.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

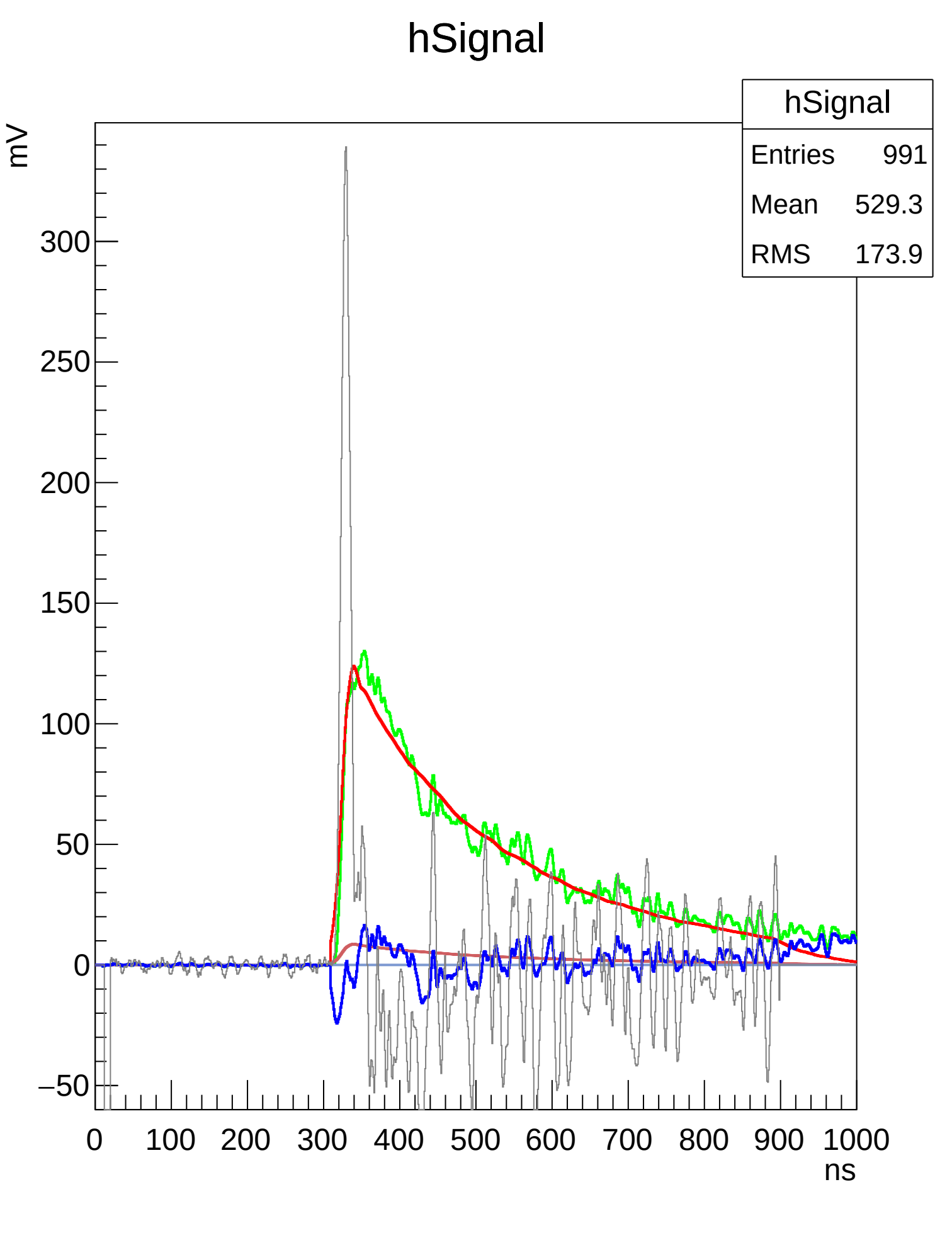

hSignal
hSignal
Entries 991
Mean 513.1
RMS 170.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

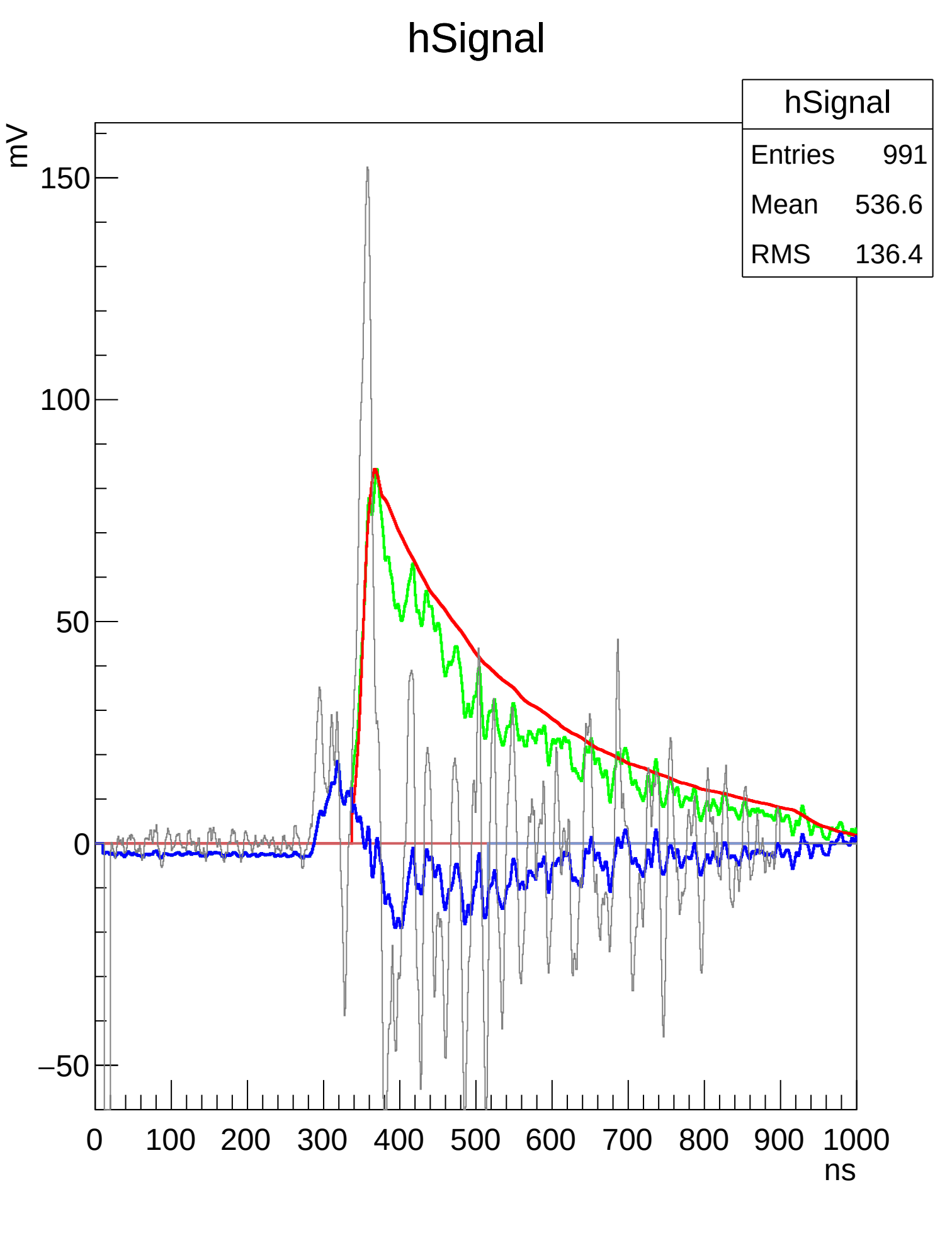

hSignal
hSignal
Entries 991
Mean 519.7
RMS 172.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

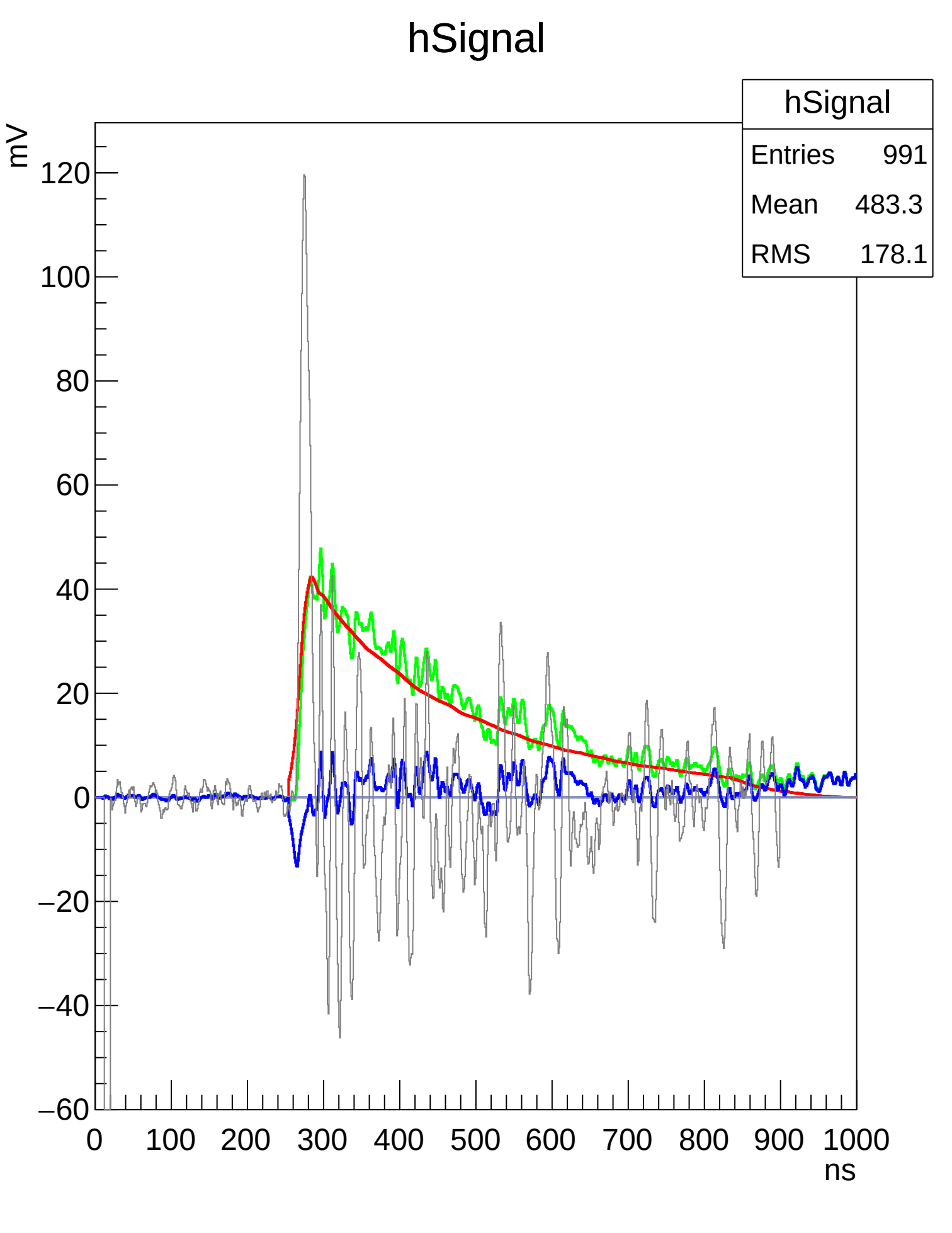

hSignal
hSignal
Entries 991
Mean 486.6
RMS 185.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

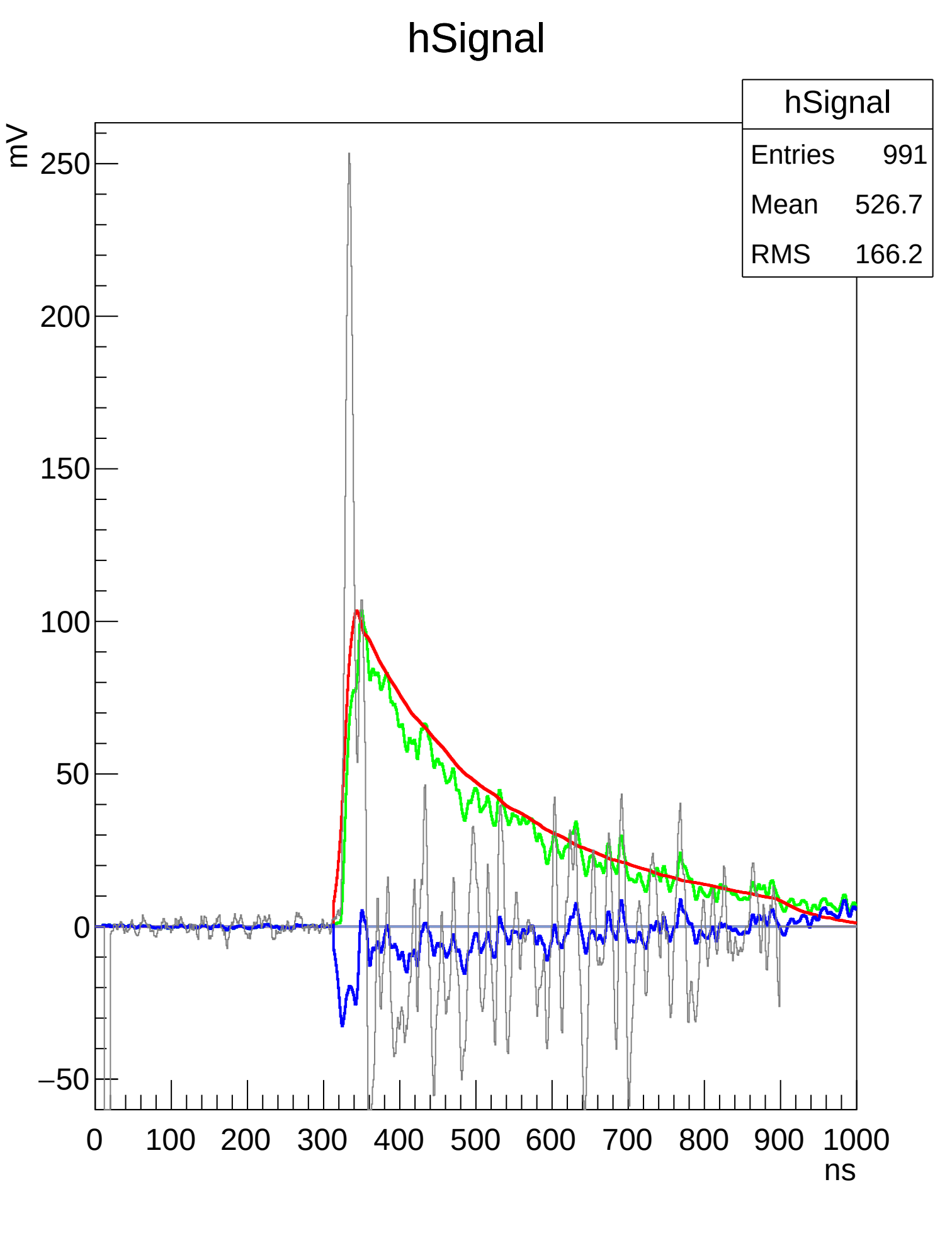

hSignal
hSignal
Entries 991
Mean 514.9
RMS 141.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

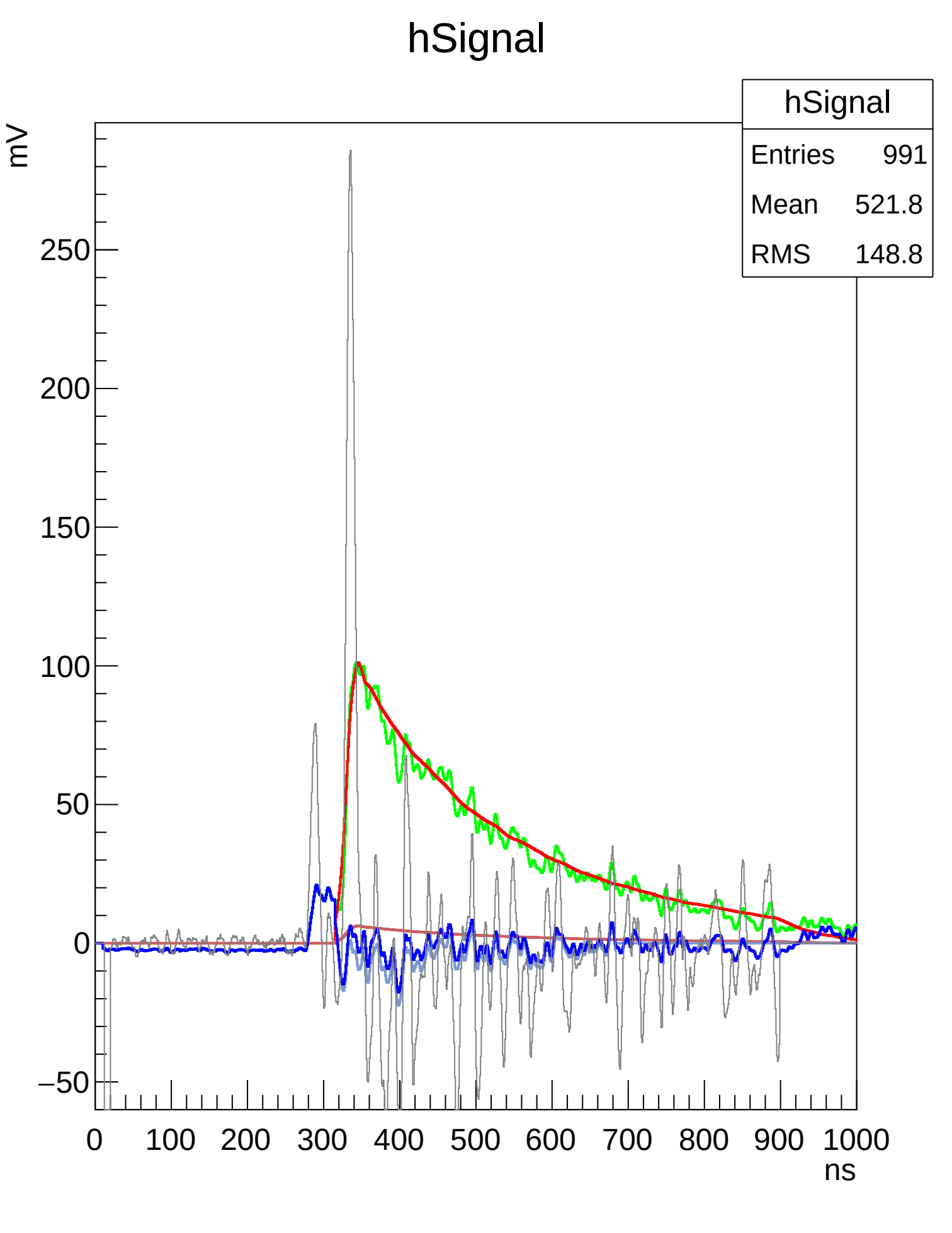

hSignal
hSignal
Entries 991
Mean 521.6
RMS 157.8
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

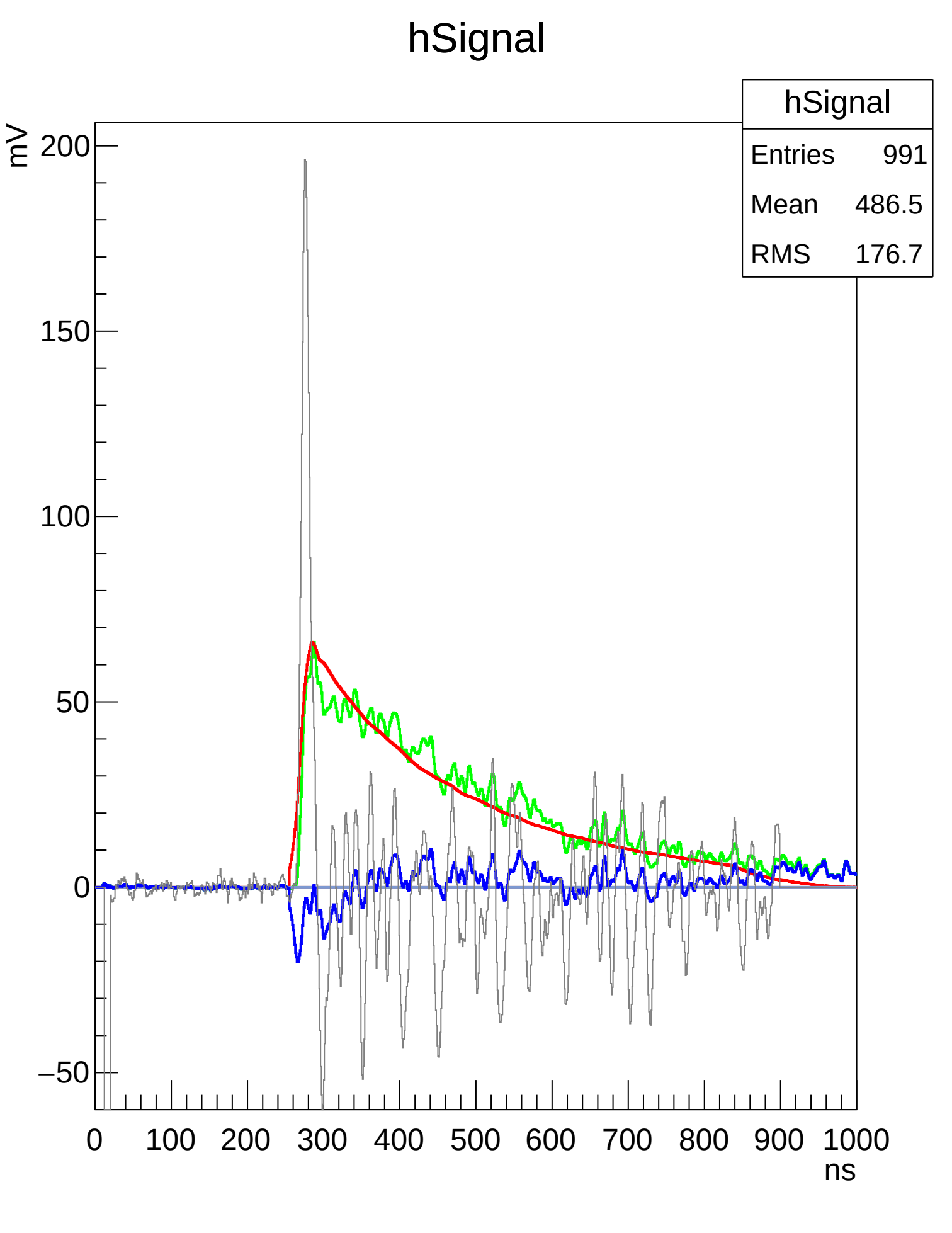

hSignal
hSignal
Entries 991
Mean 529.3
RMS 173.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

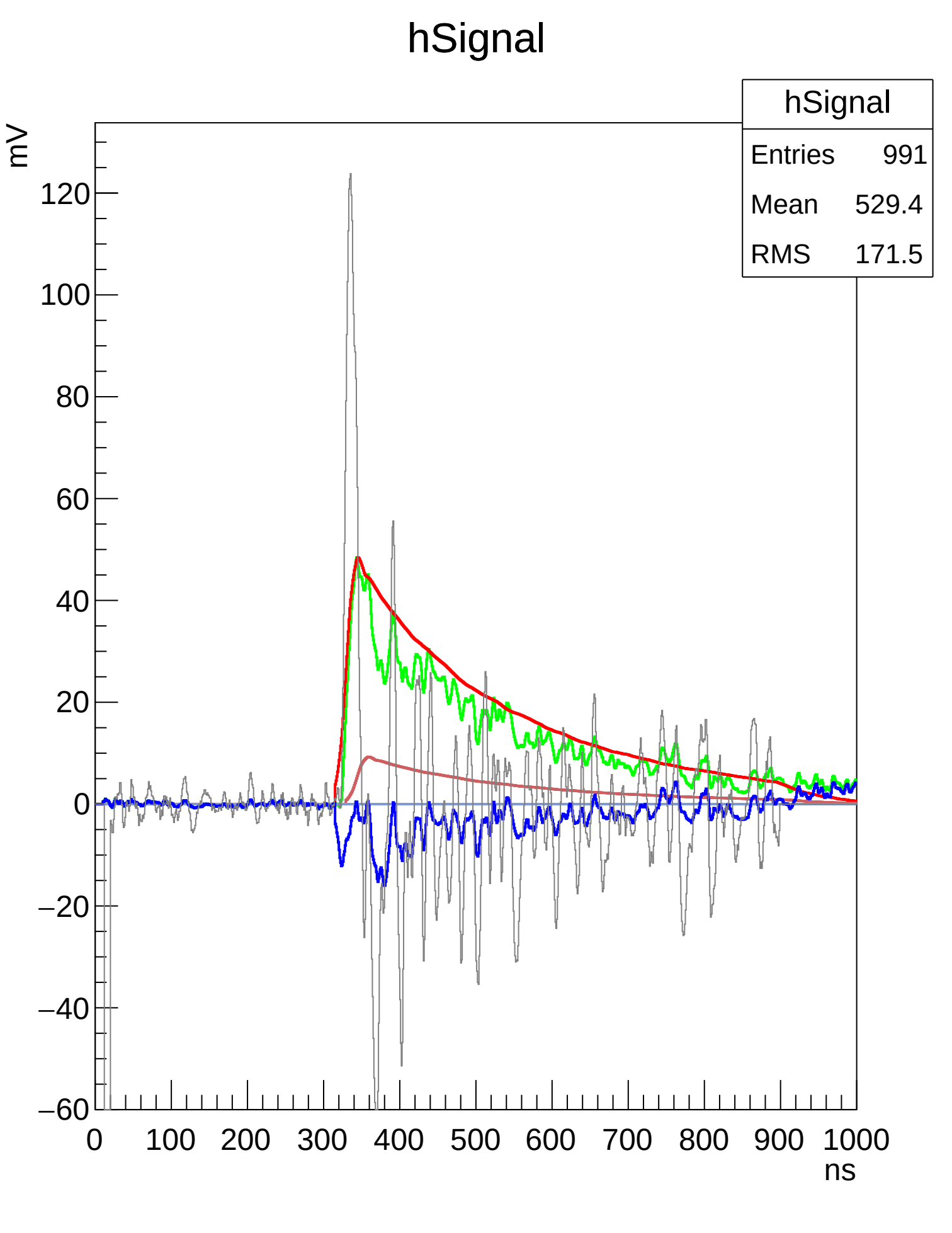

hSignal
hSignal
Entries 991
Mean 536.6
RMS 136.4
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

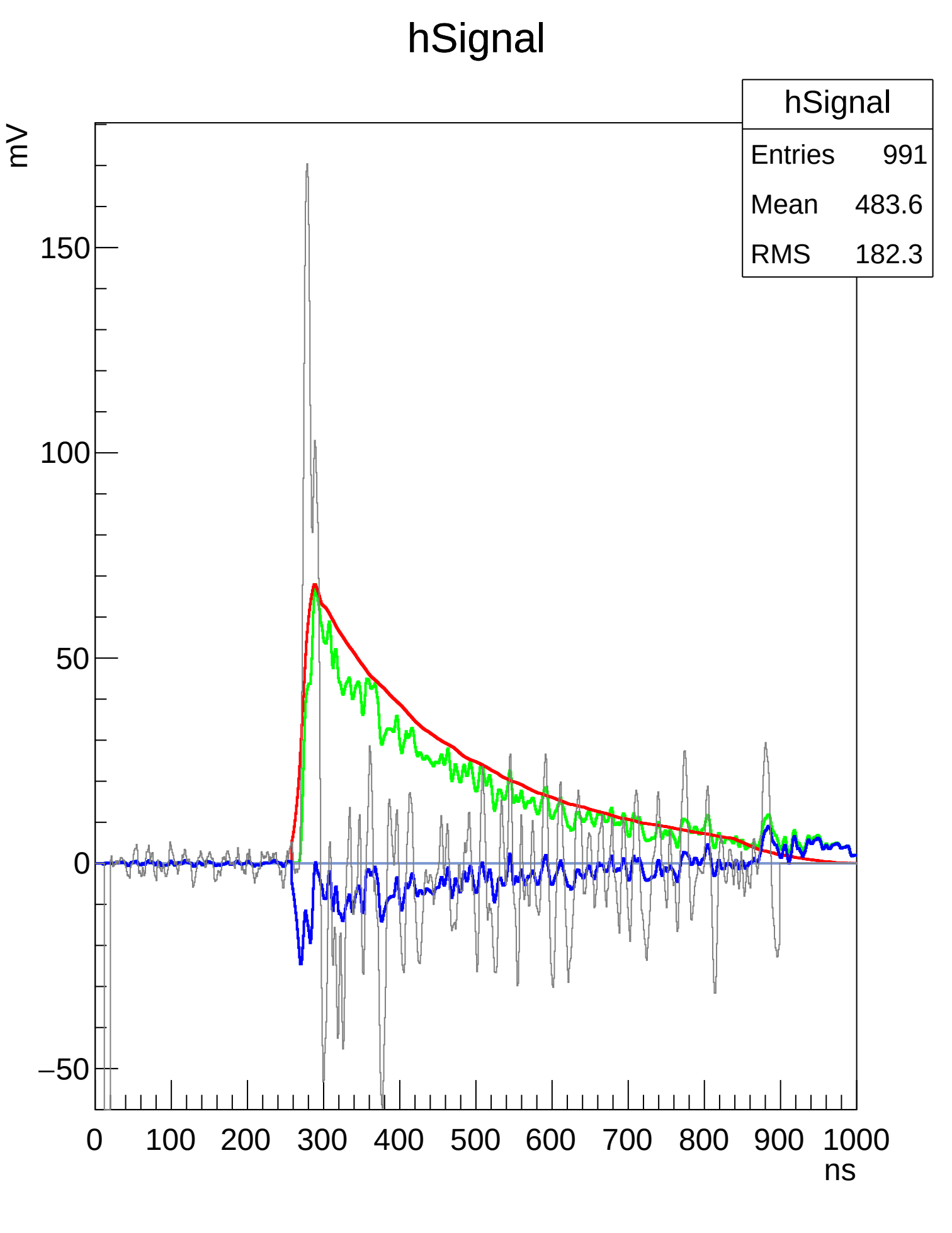

hSignal
hSignal
Entries 991
Mean 483.3
RMS 178.1
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

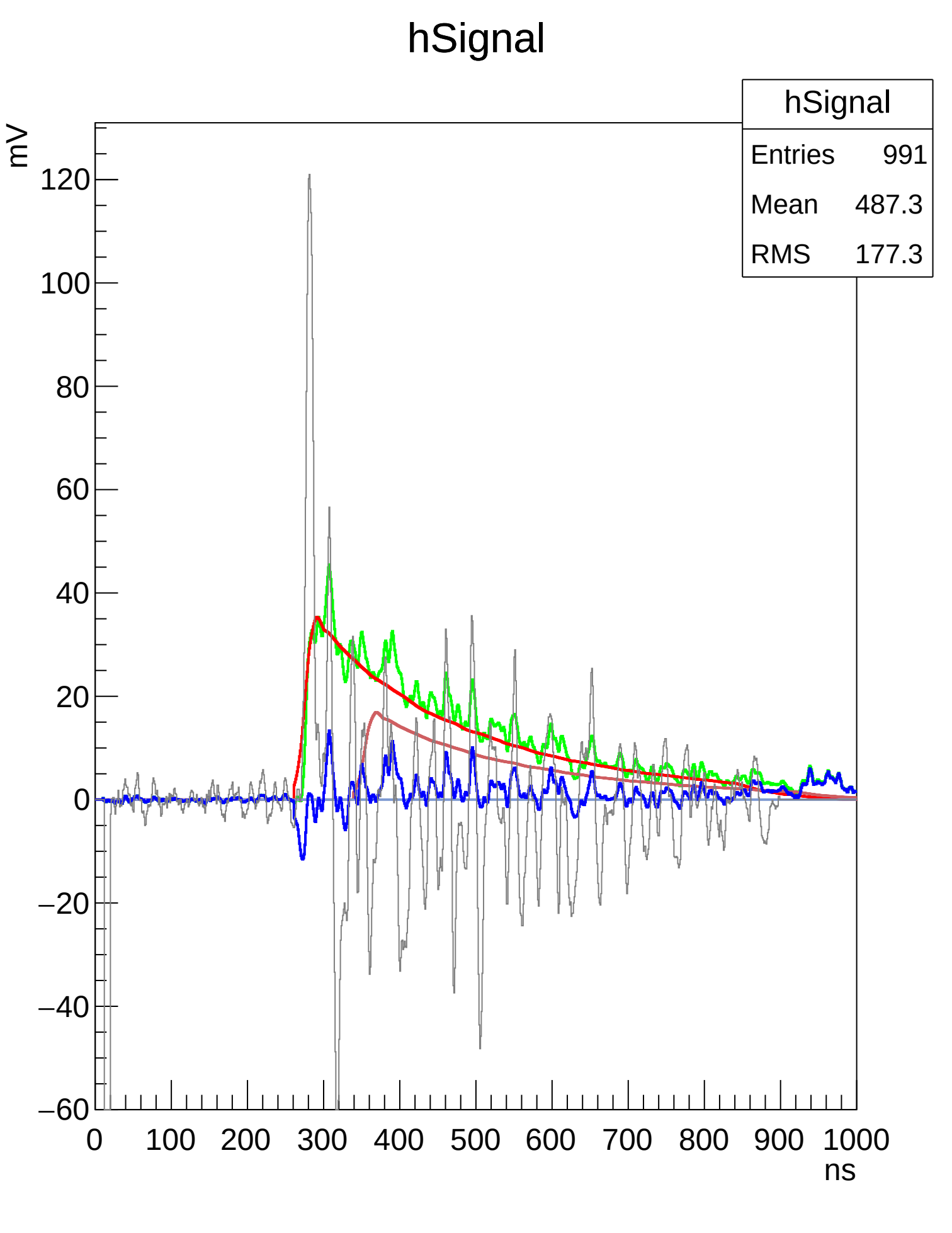

hSignal
hSignal
Entries 991
Mean 526.7
RMS 166.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

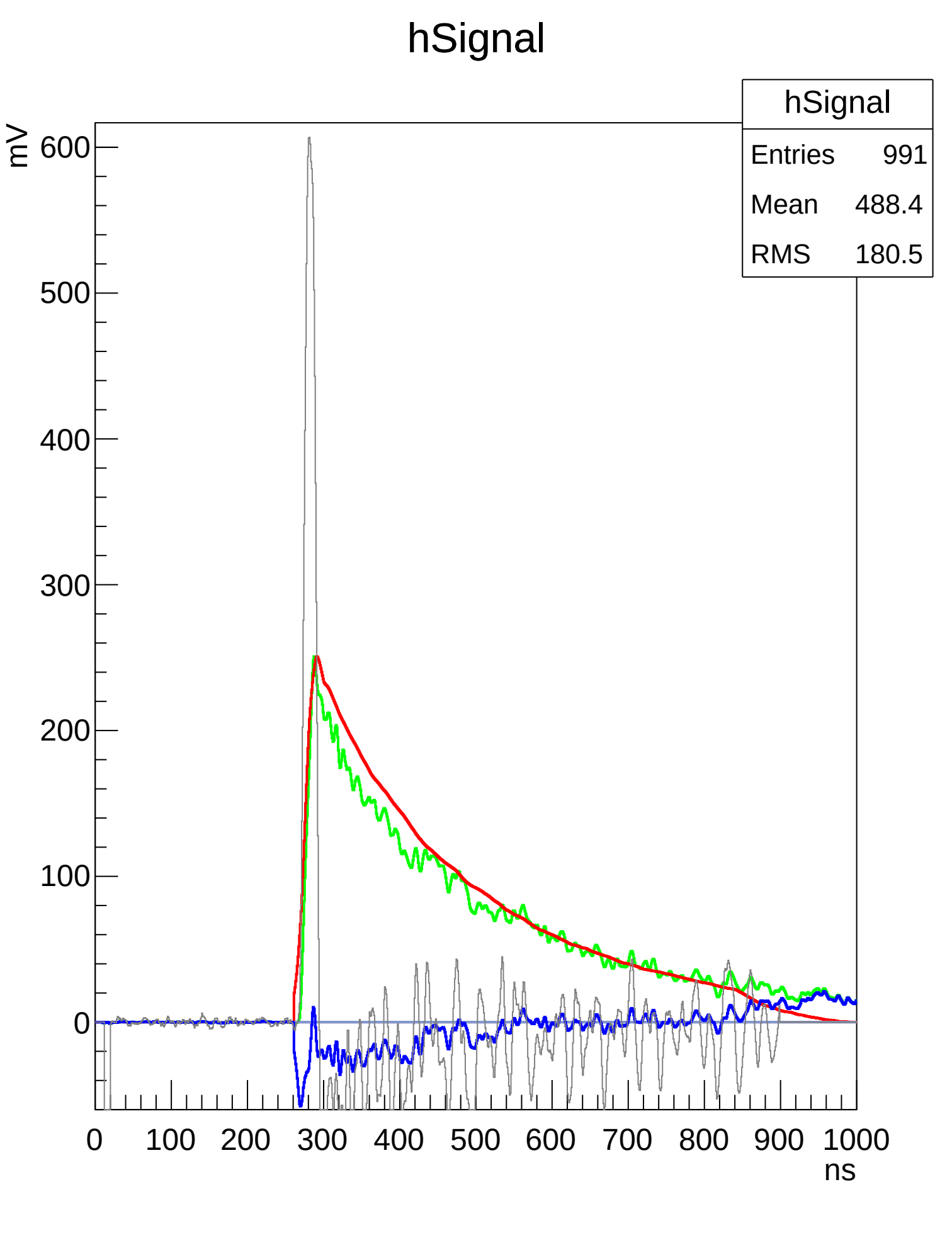

hSignal
hSignal
Entries 991
Mean 521.8
RMS 148.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

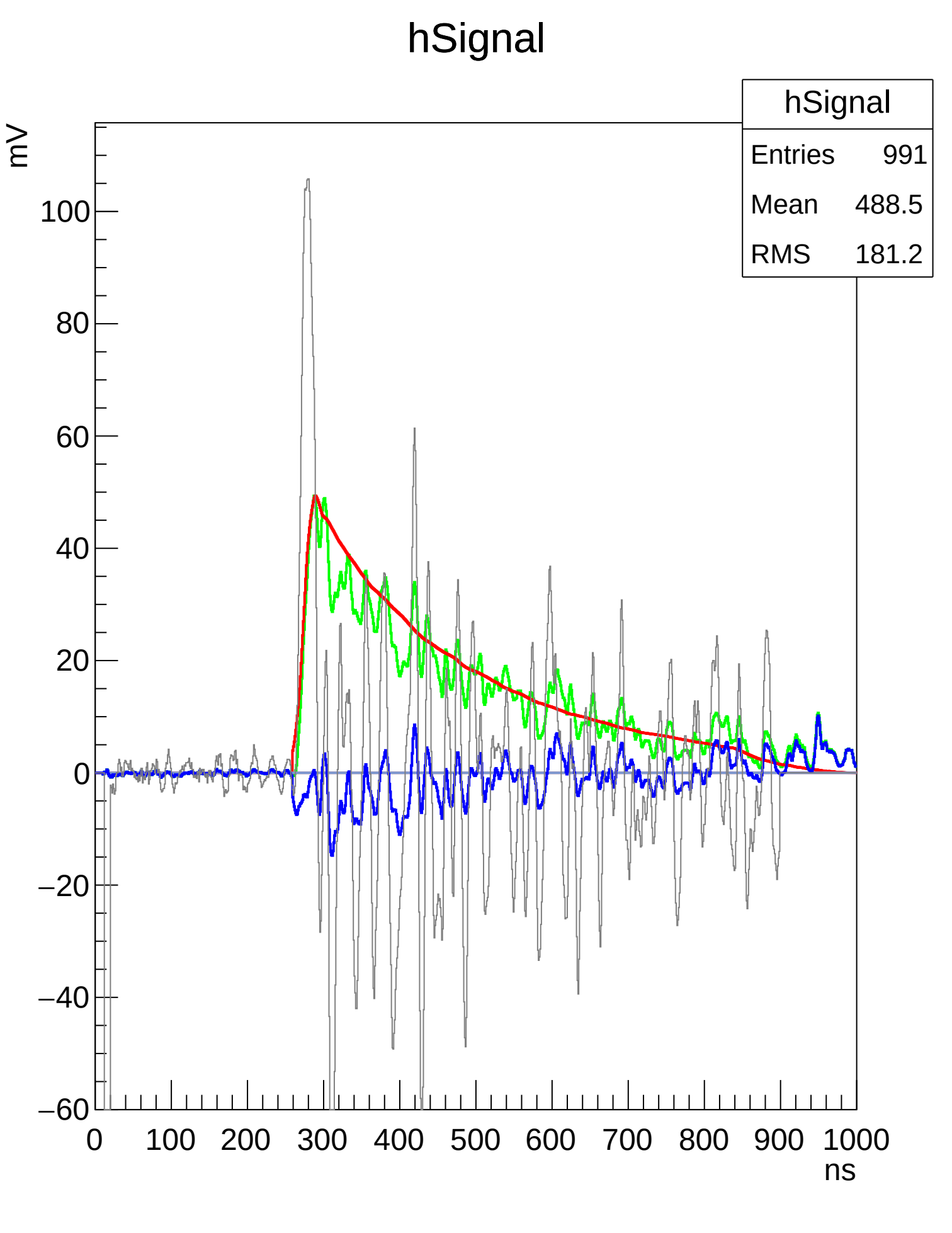

hSignal
hSignal
Entries 991
Mean 486.5
RMS 176.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

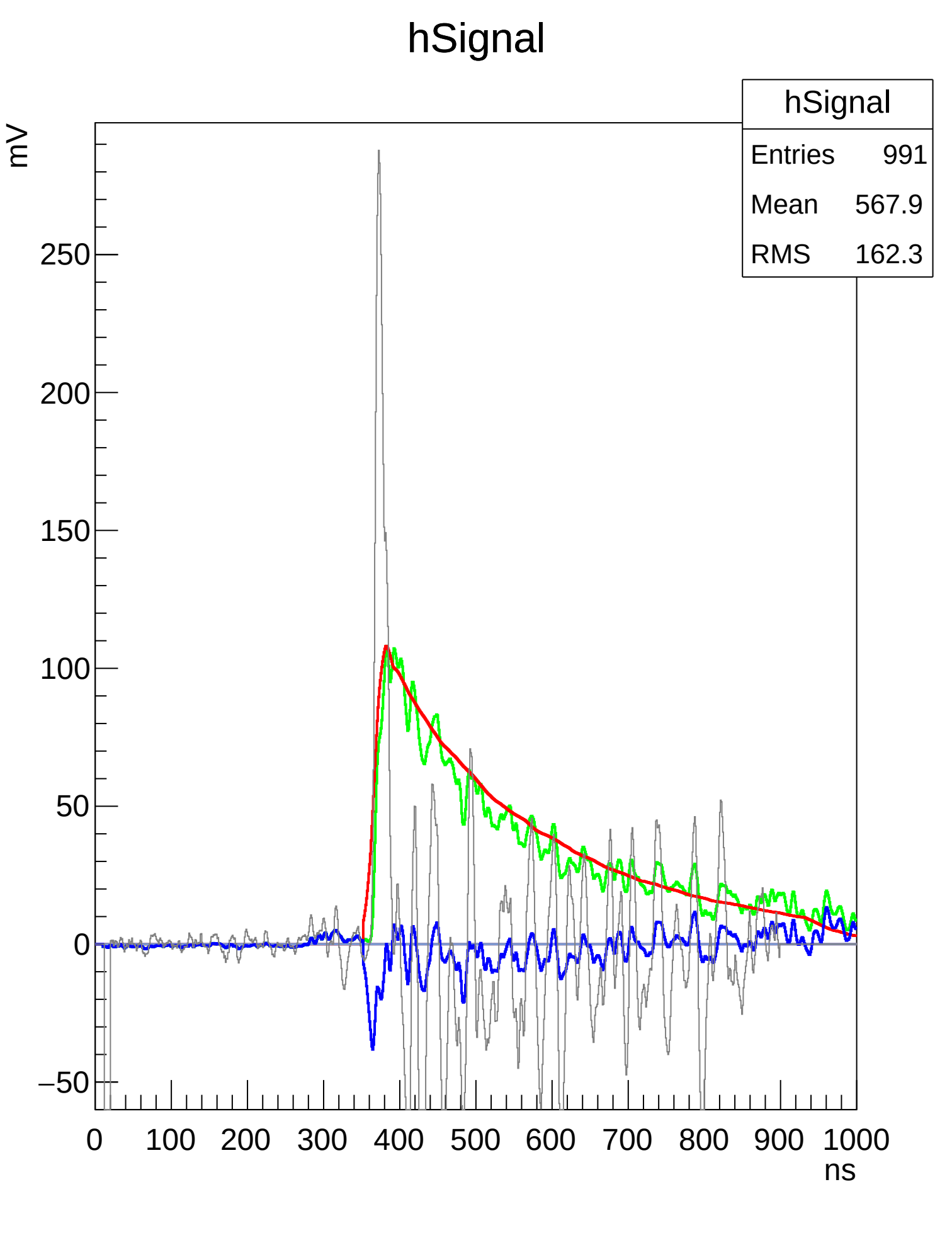

hSignal
hSignal
Entries 991
Mean 529.4
RMS 171.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

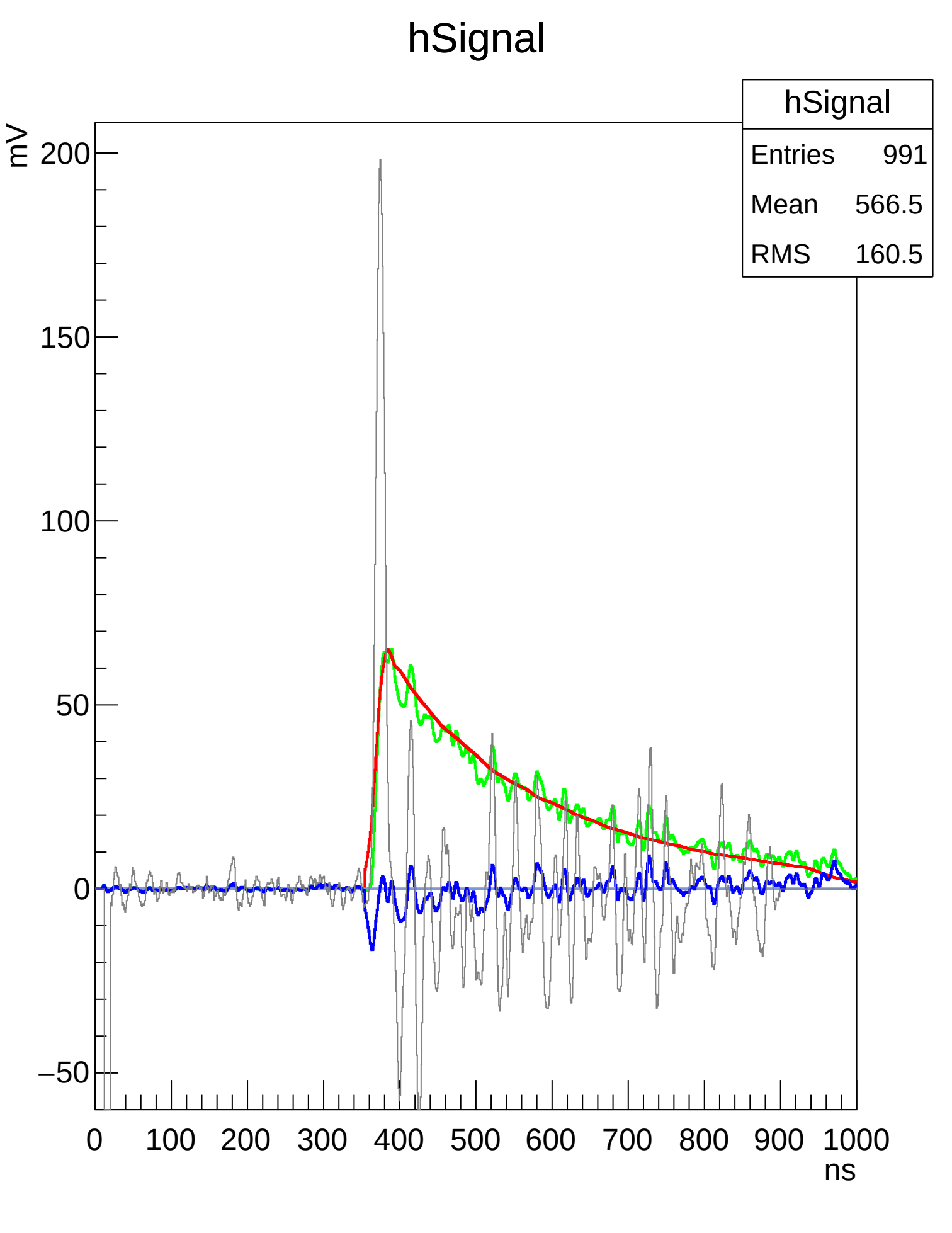

hSignal
hSignal
Entries 991
Mean 483.6
RMS 182.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

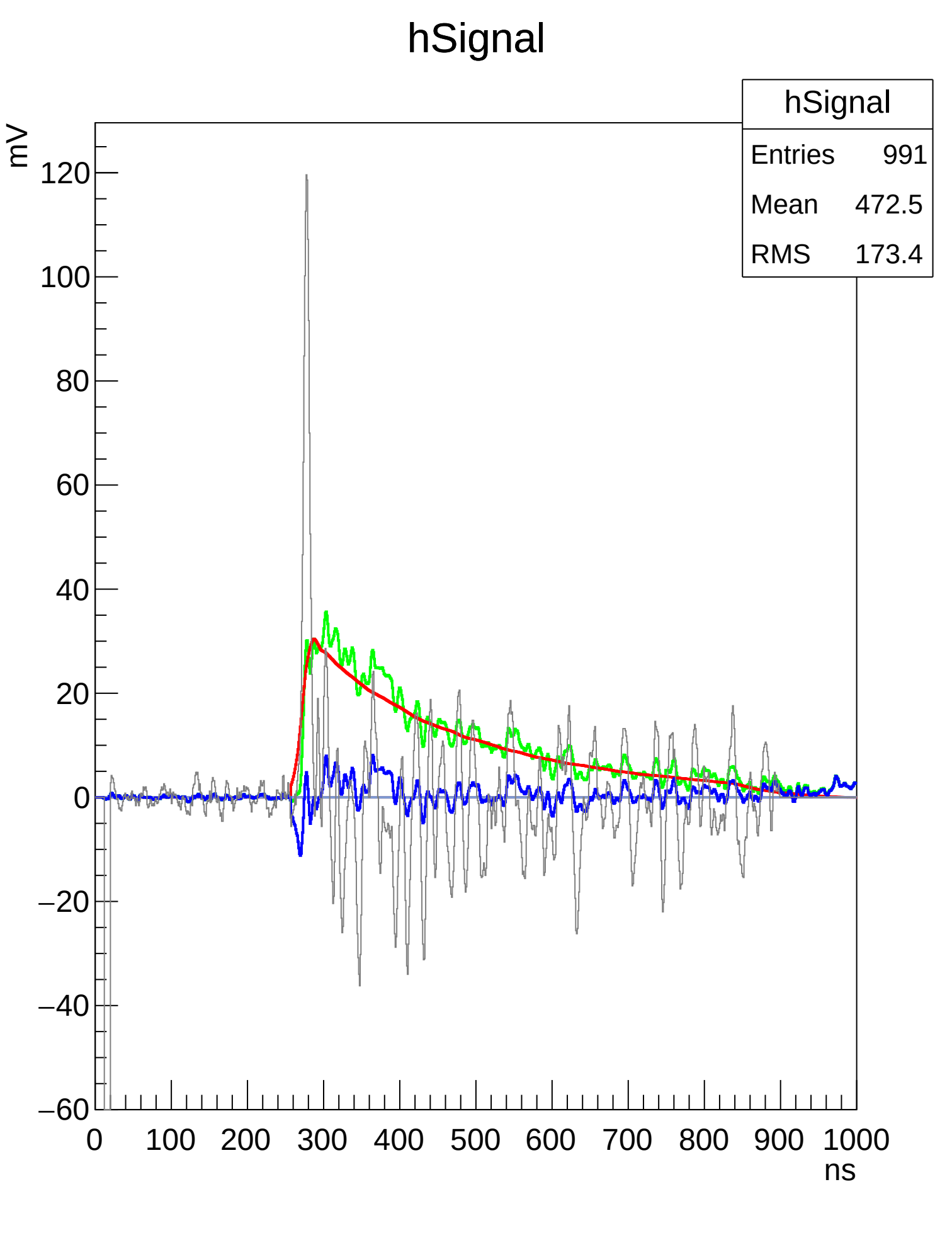

hSignal
hSignal
Entries 991
Mean 487.3
RMS 177.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

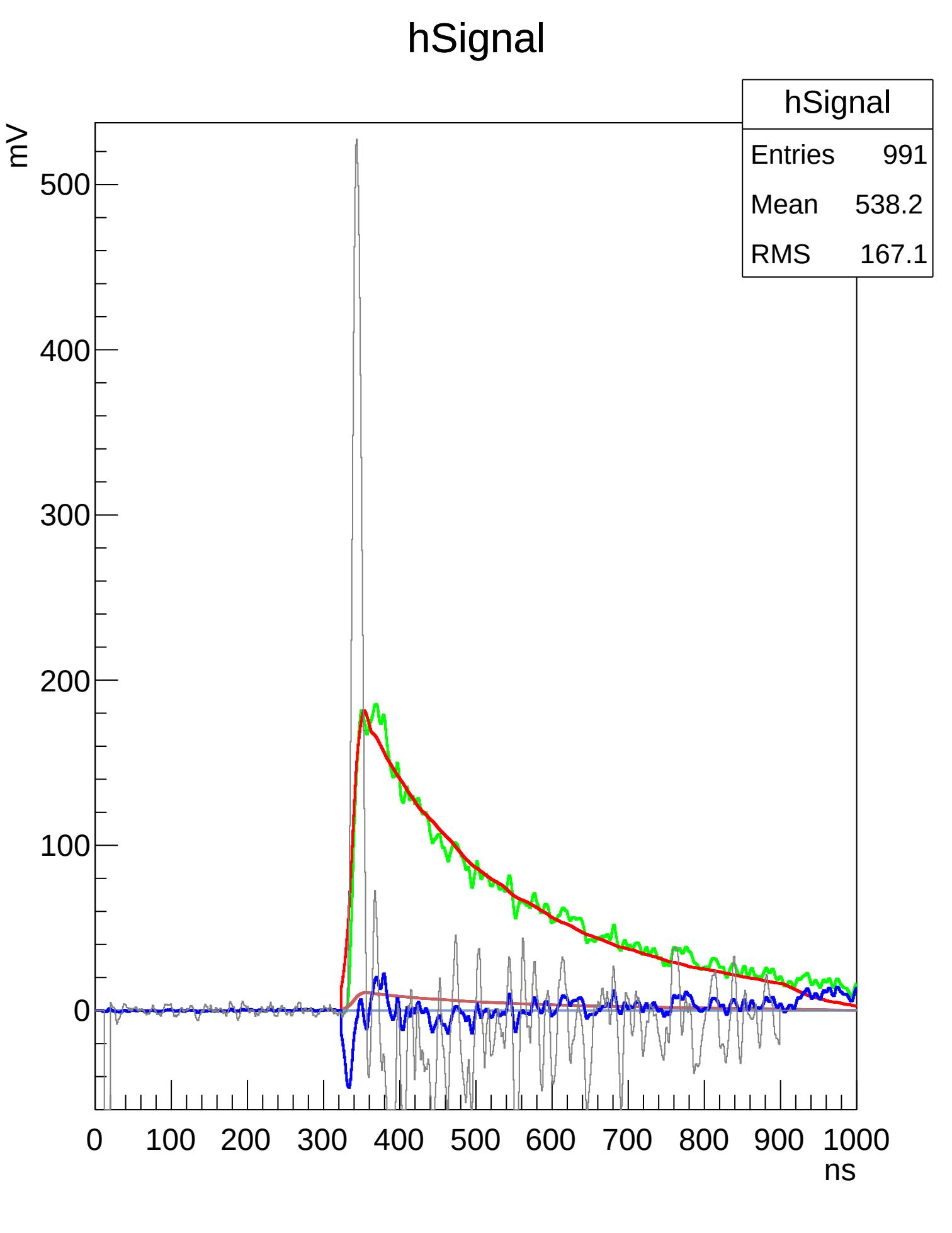

hSignal
hSignal
Entries 991
Mean 488.4
RMS 180.5
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

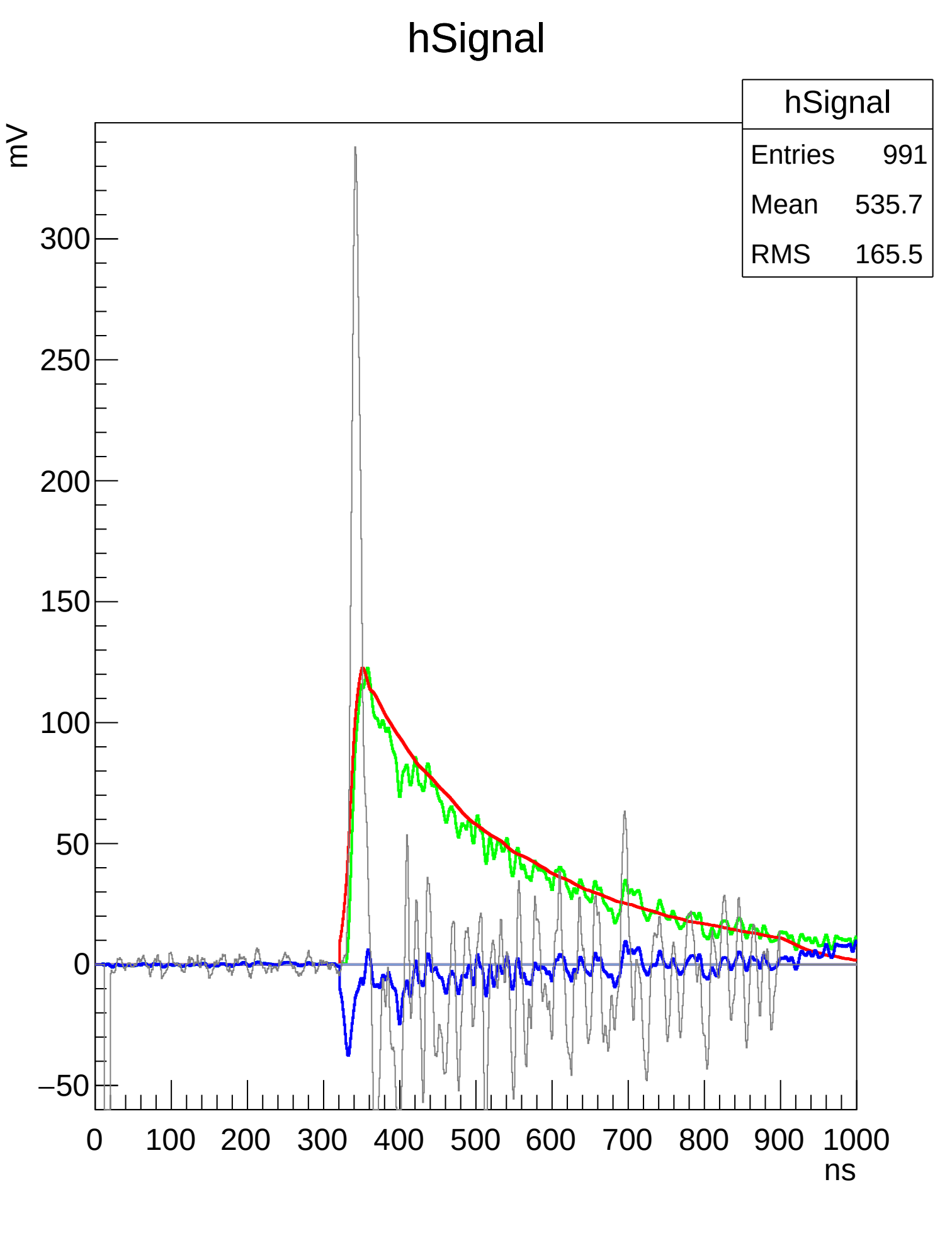

hSignal
hSignal
Entries 991
Mean 488.5
RMS 181.2
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

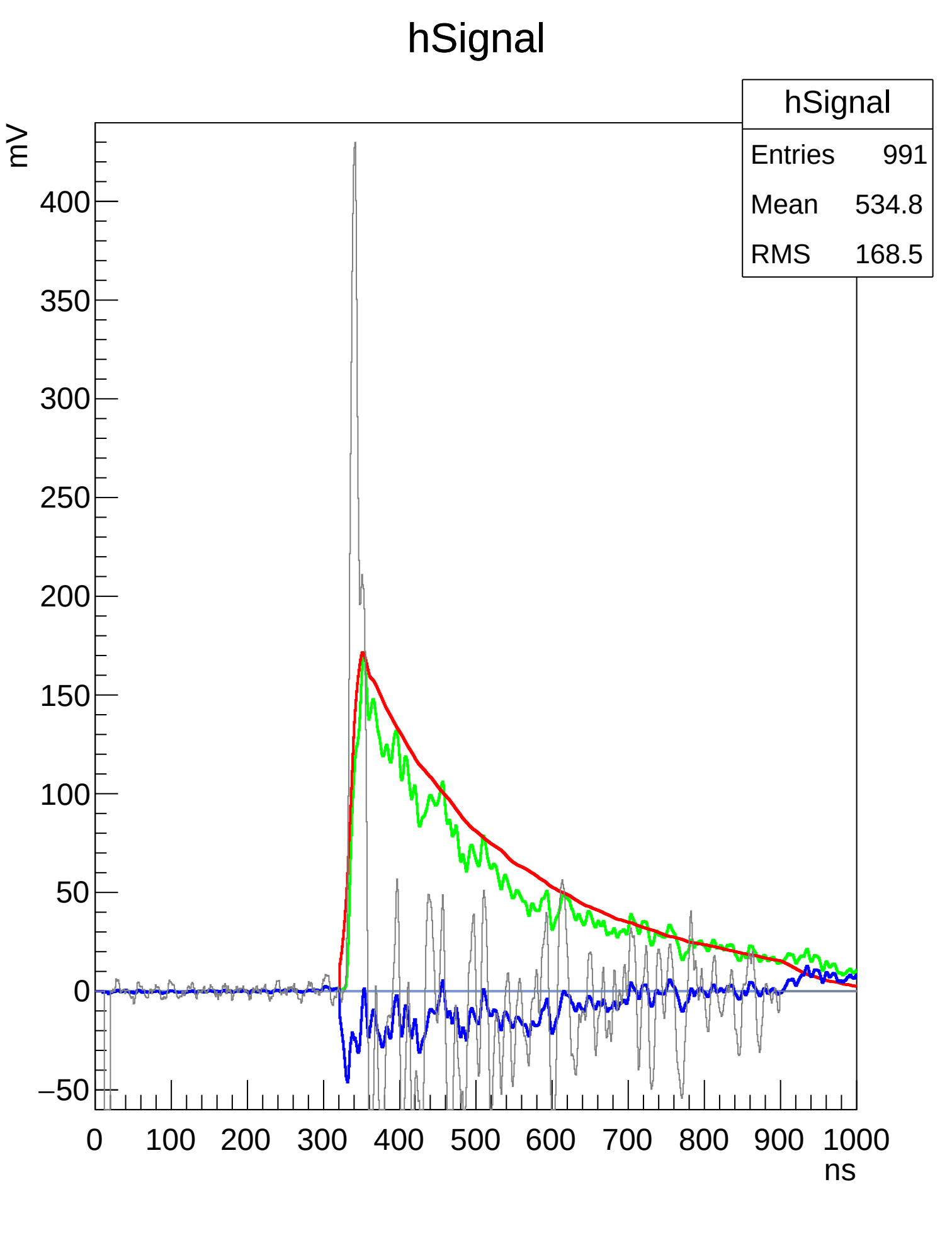

hSignal
hSignal
Entries 991
Mean 567.9
RMS 162.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

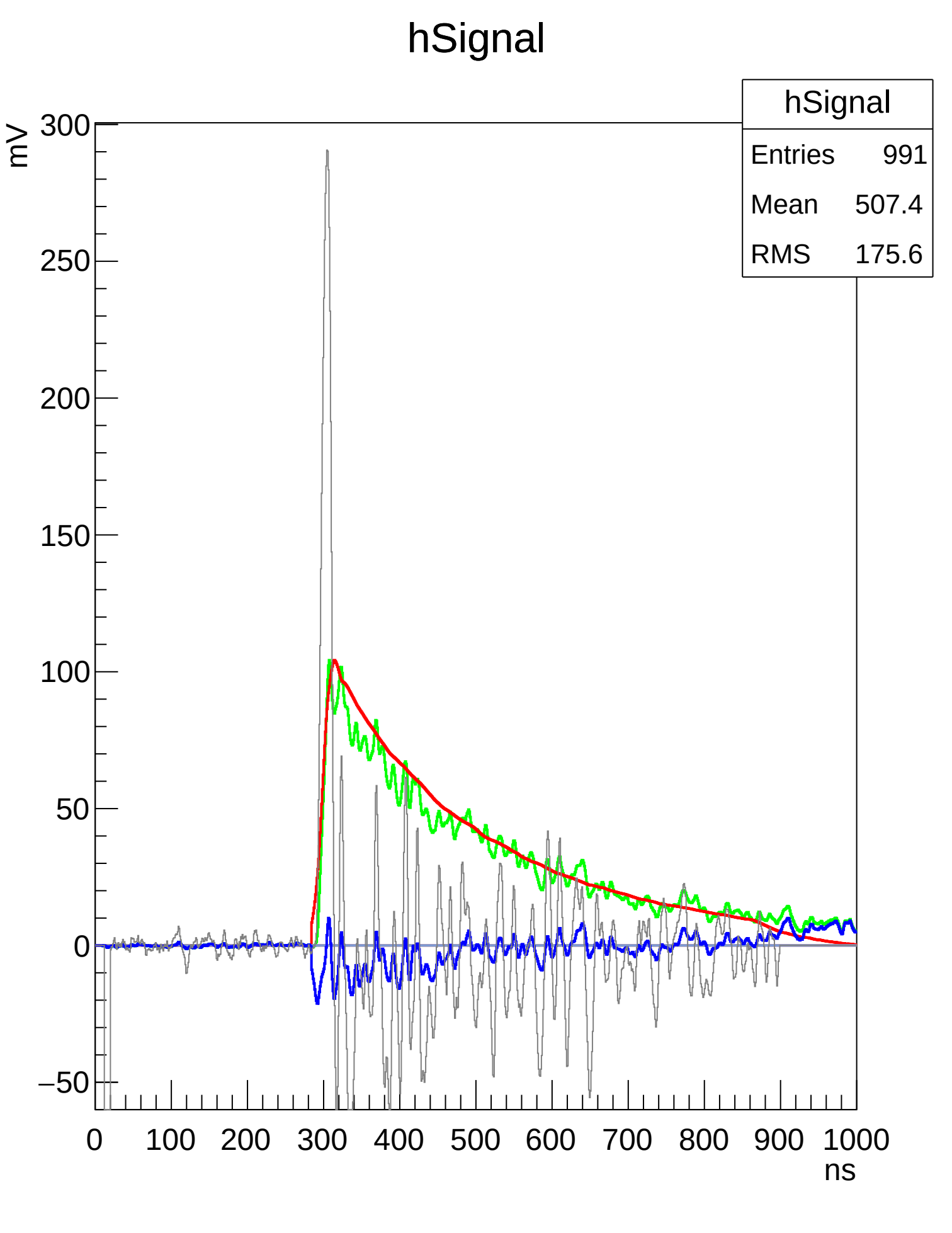

hSignal
hSignal
Entries 991
Mean 566.5
RMS 160.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

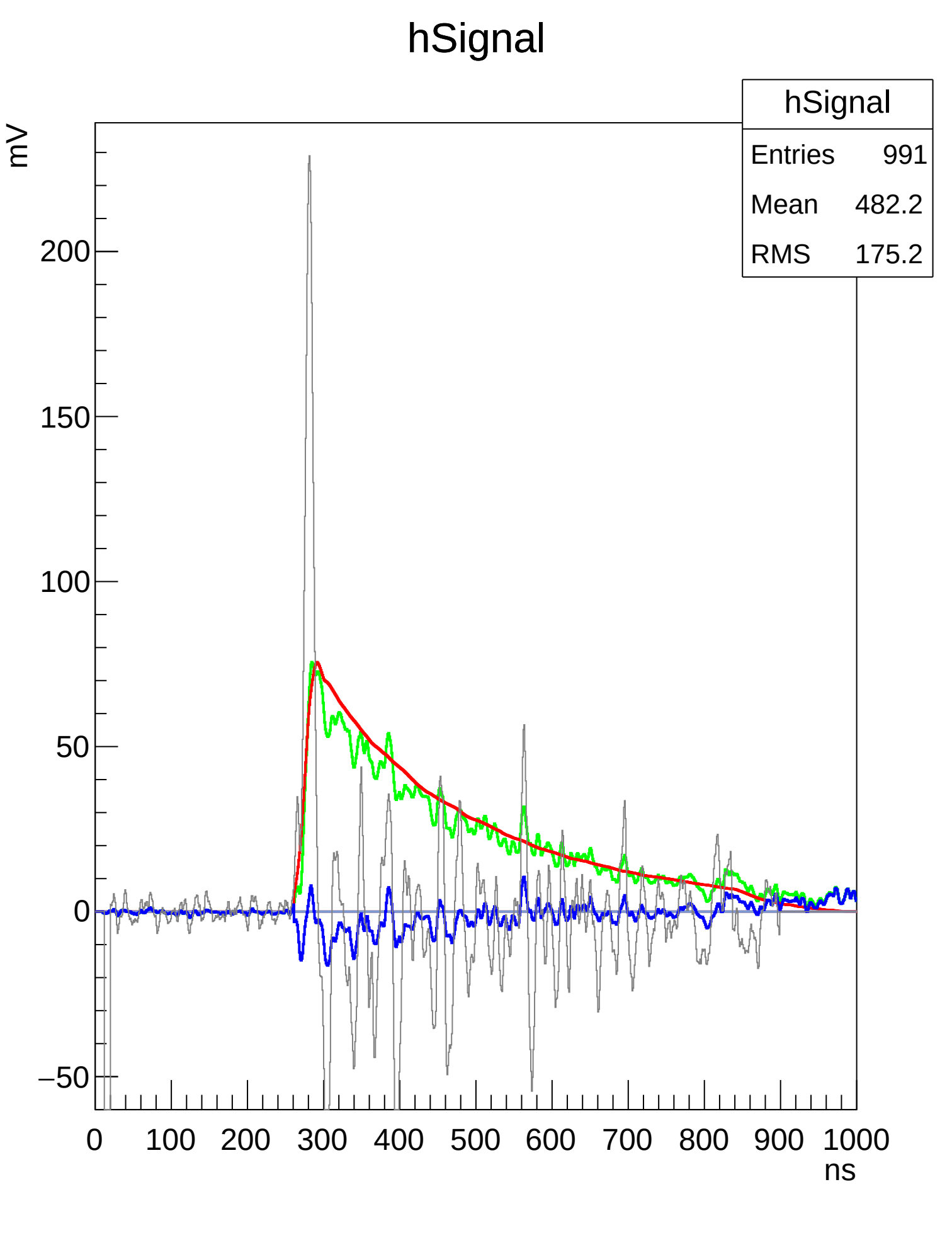

hSignal
hSignal
Entries 991
Mean 472.5
RMS 173.4
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

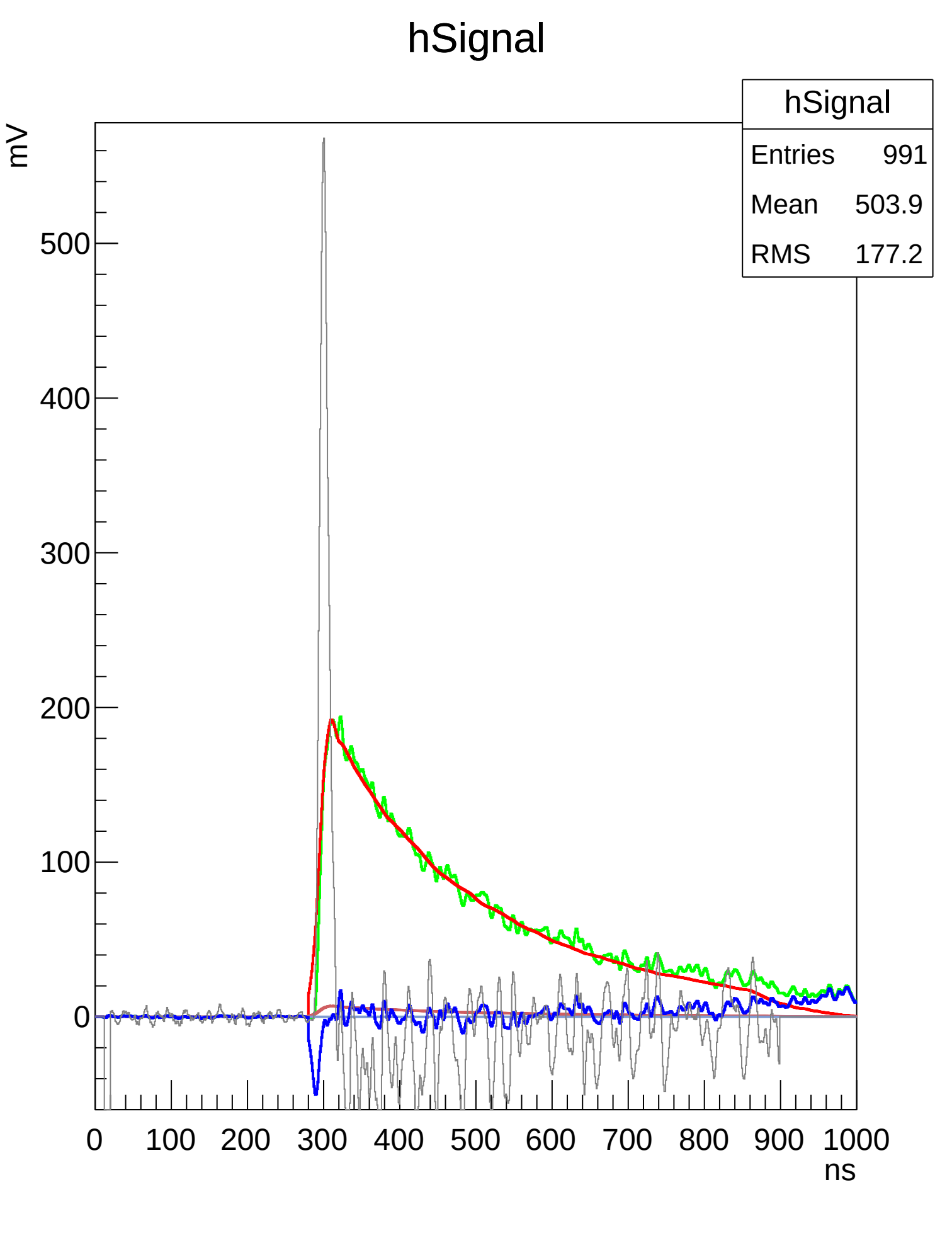

hSignal
hSignal
Entries 991
Mean 538.2
RMS 167.1
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

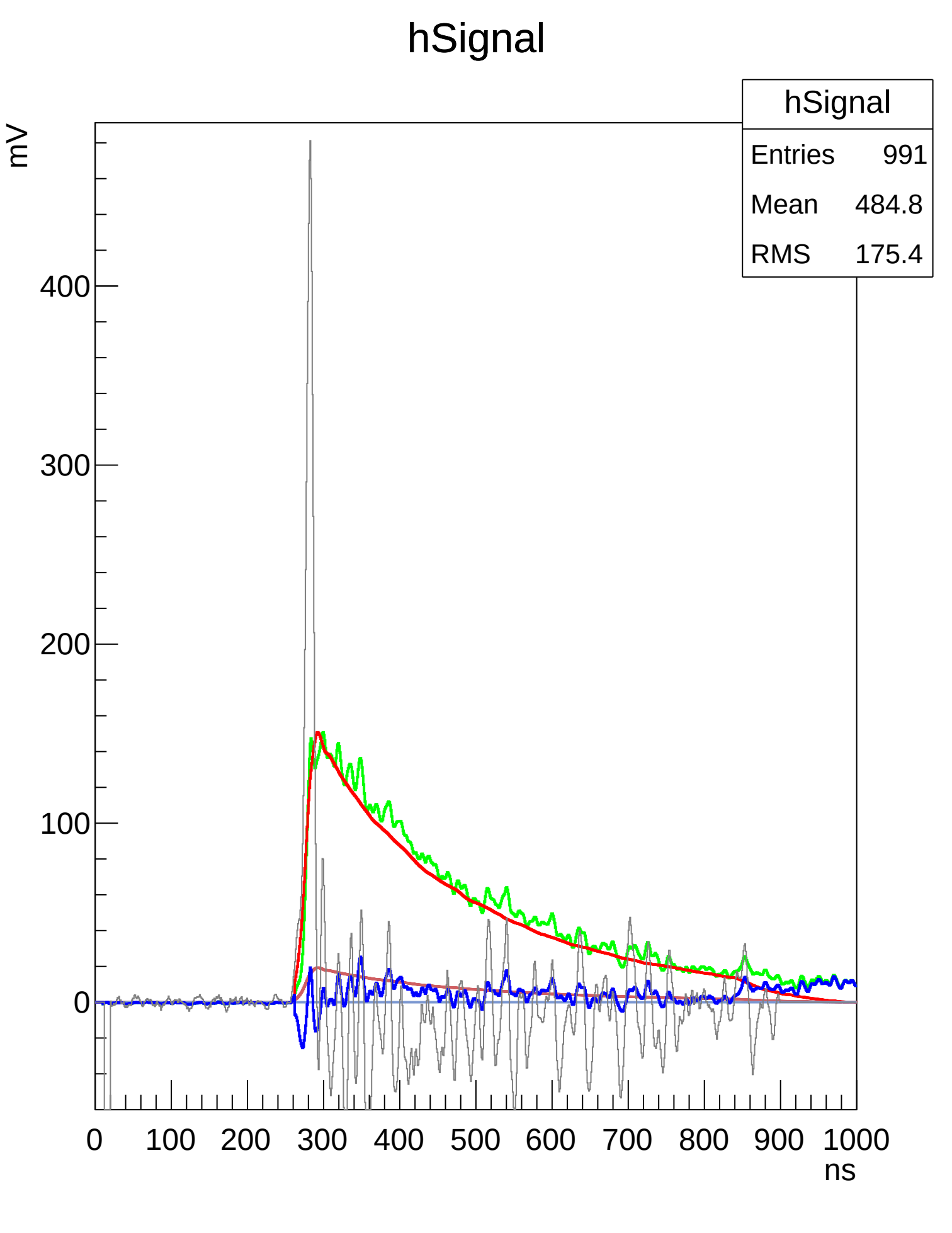

hSignal
hSignal
Entries 991
Mean 535.7
RMS 165.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

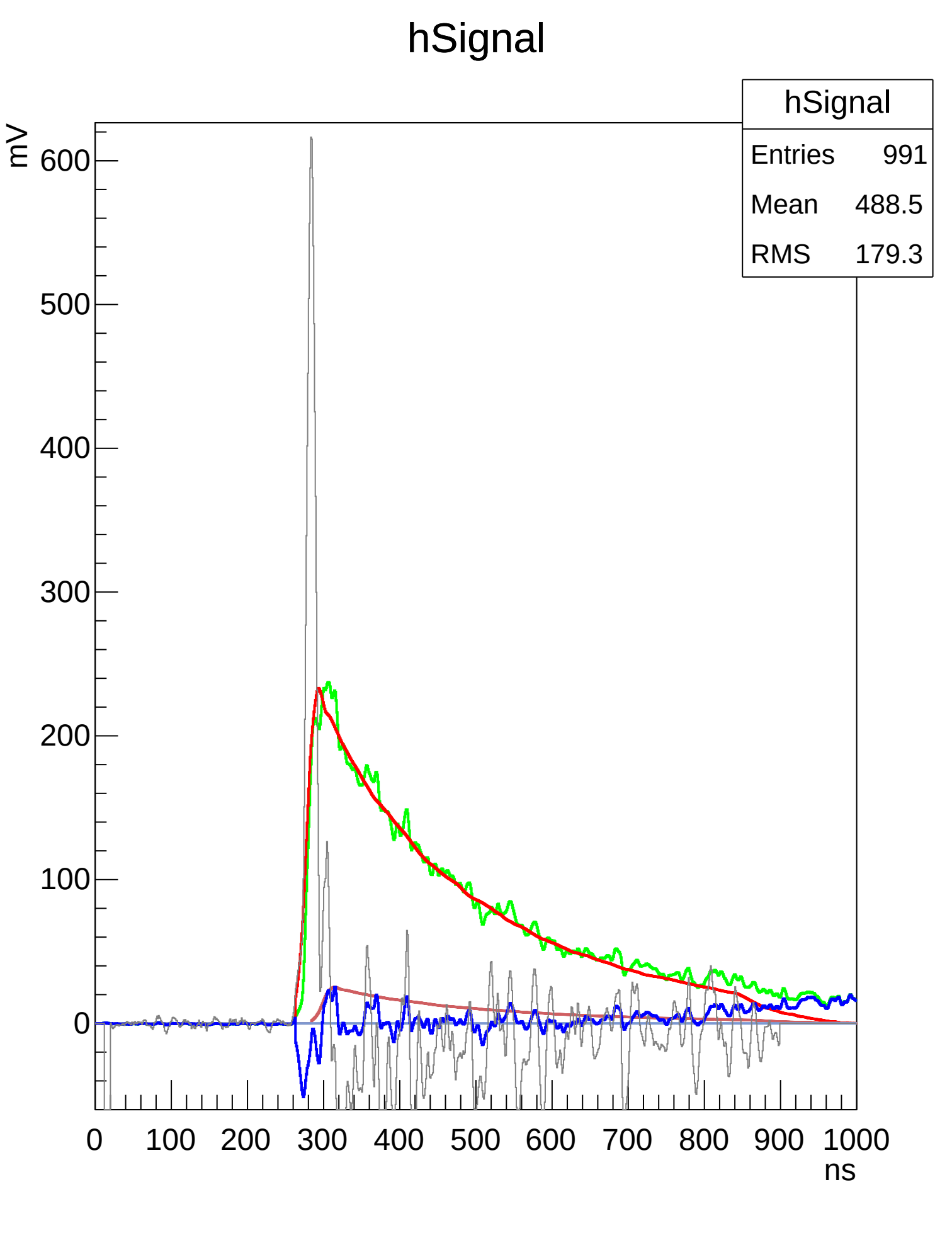

hSignal
hSignal
Entries 991
Mean 534.8
RMS 168.5
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

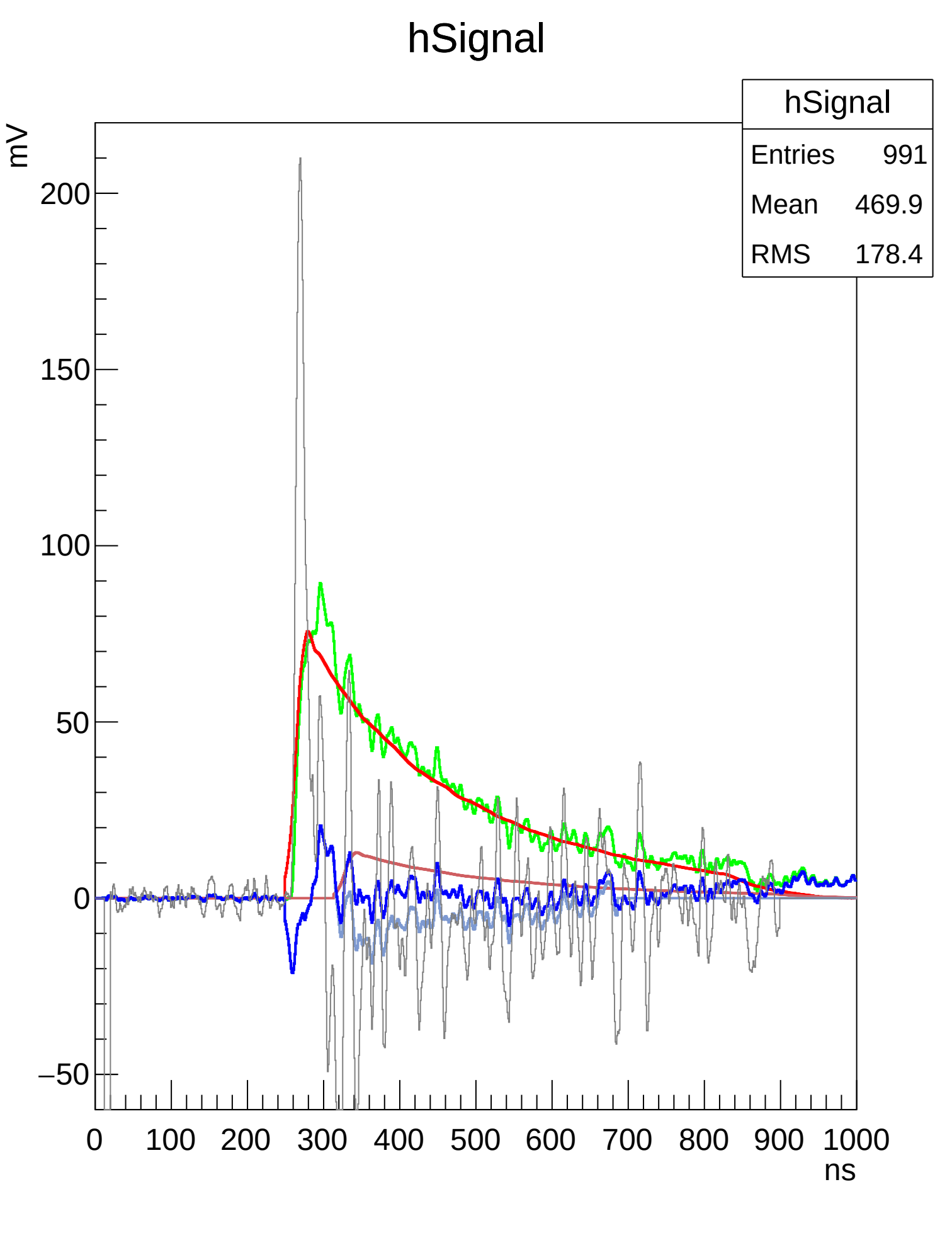

hSignal
hSignal
Entries 991
Mean 507.4
RMS 175.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

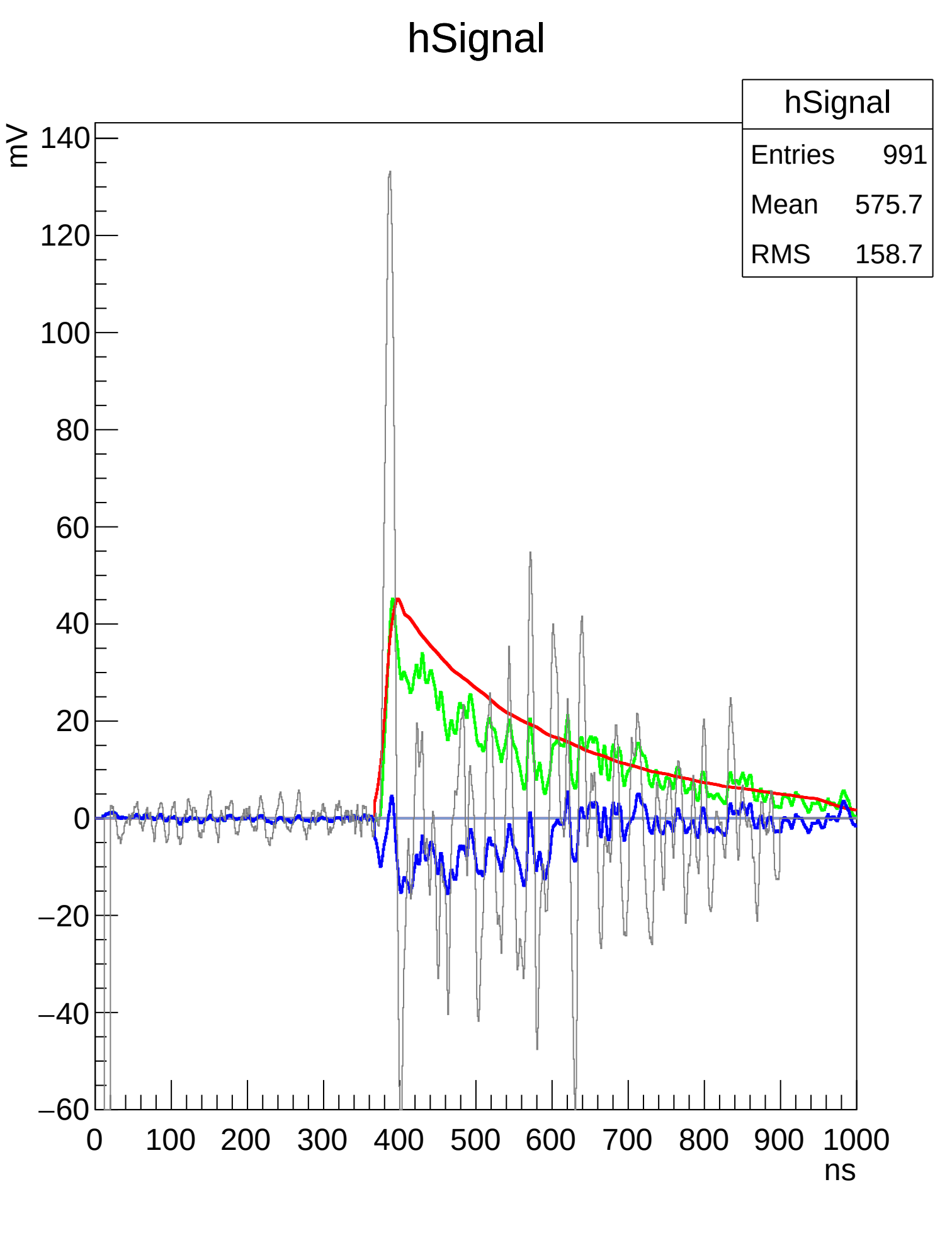

hSignal
hSignal
Entries 991
Mean 482.2
RMS 175.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

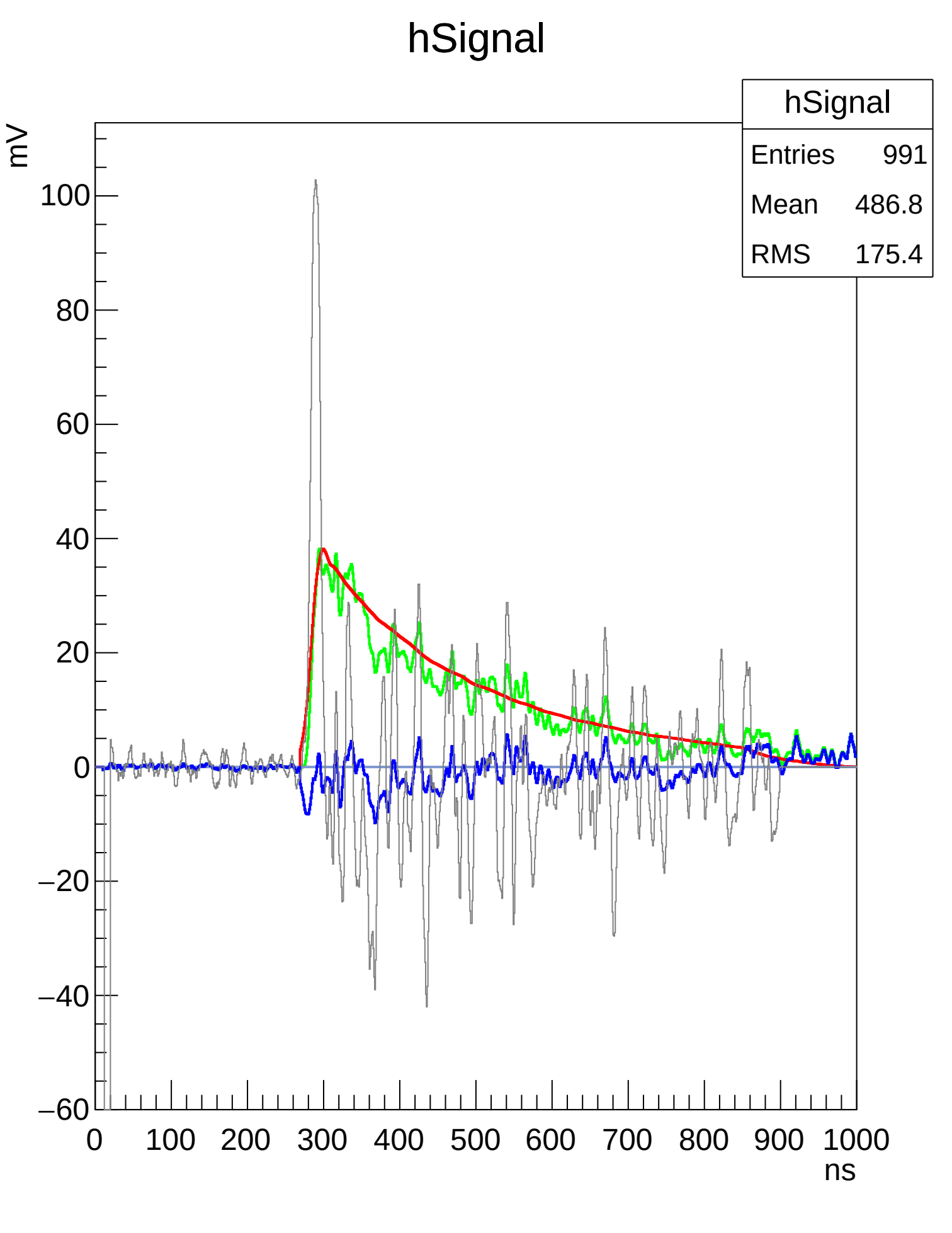

hSignal
hSignal
Entries 991
Mean 503.9
RMS 177.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

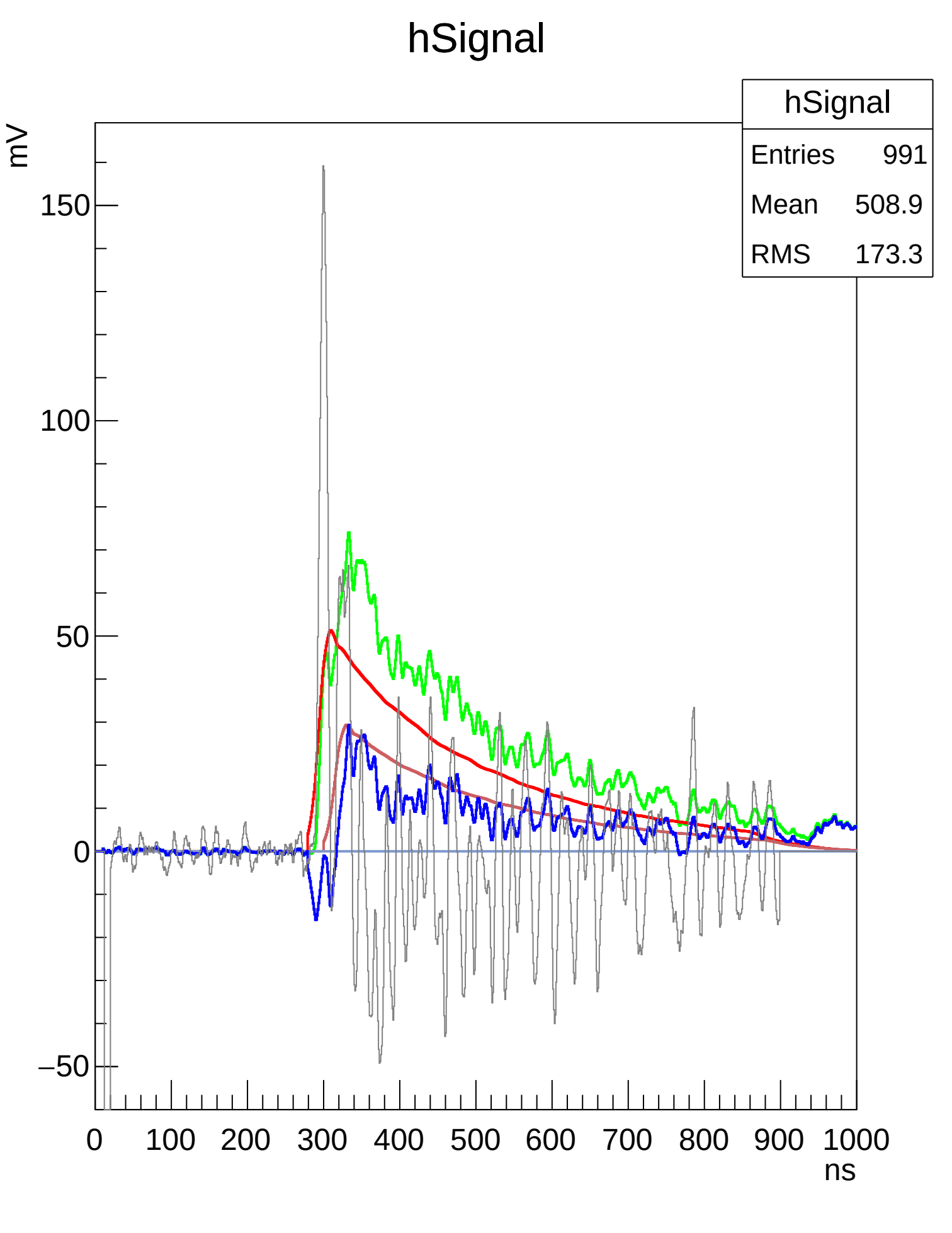

hSignal
hSignal
Entries 991
Mean 484.8
RMS 175.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

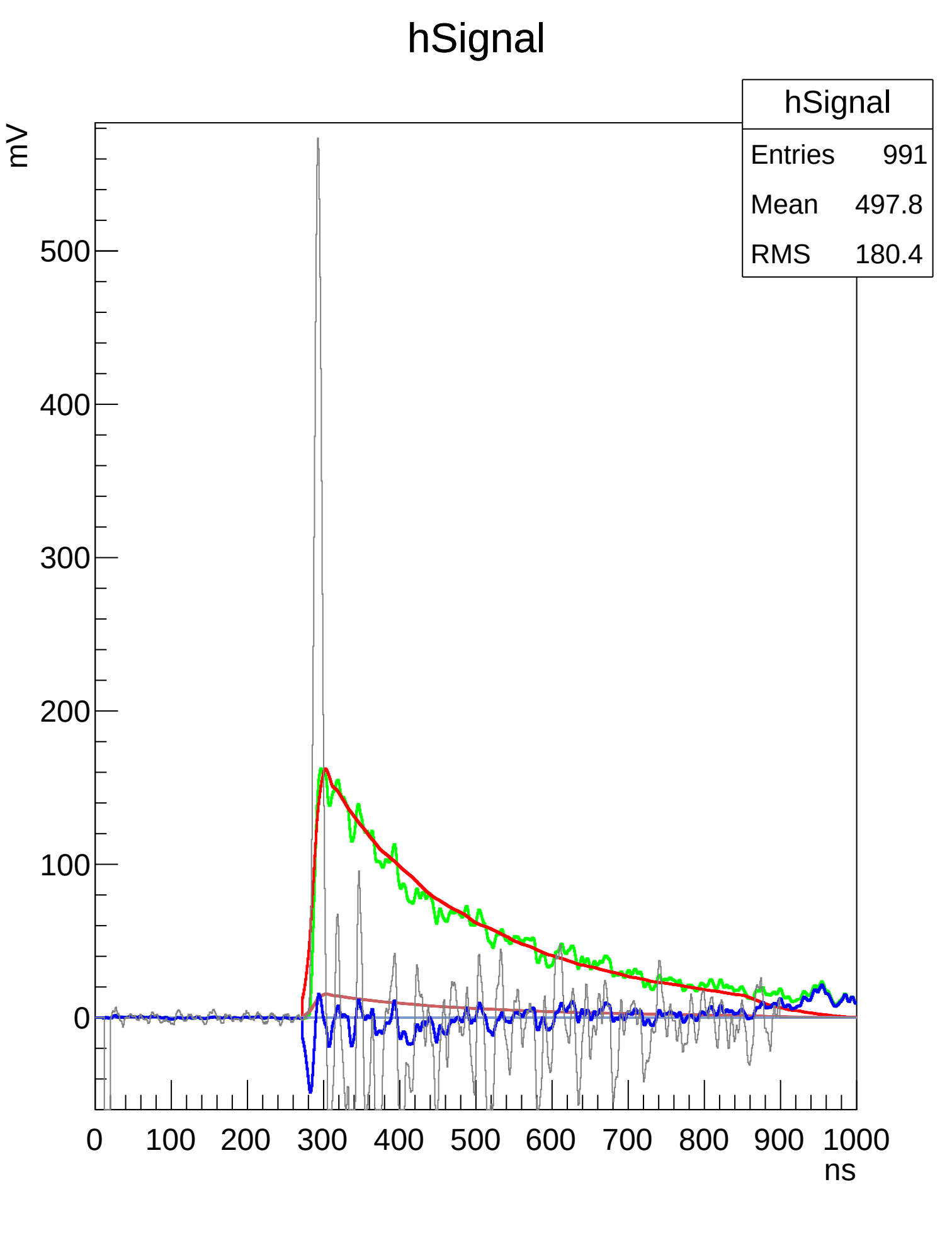

hSignal
hSignal
Entries 991
Mean 488.5
RMS 179.3
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

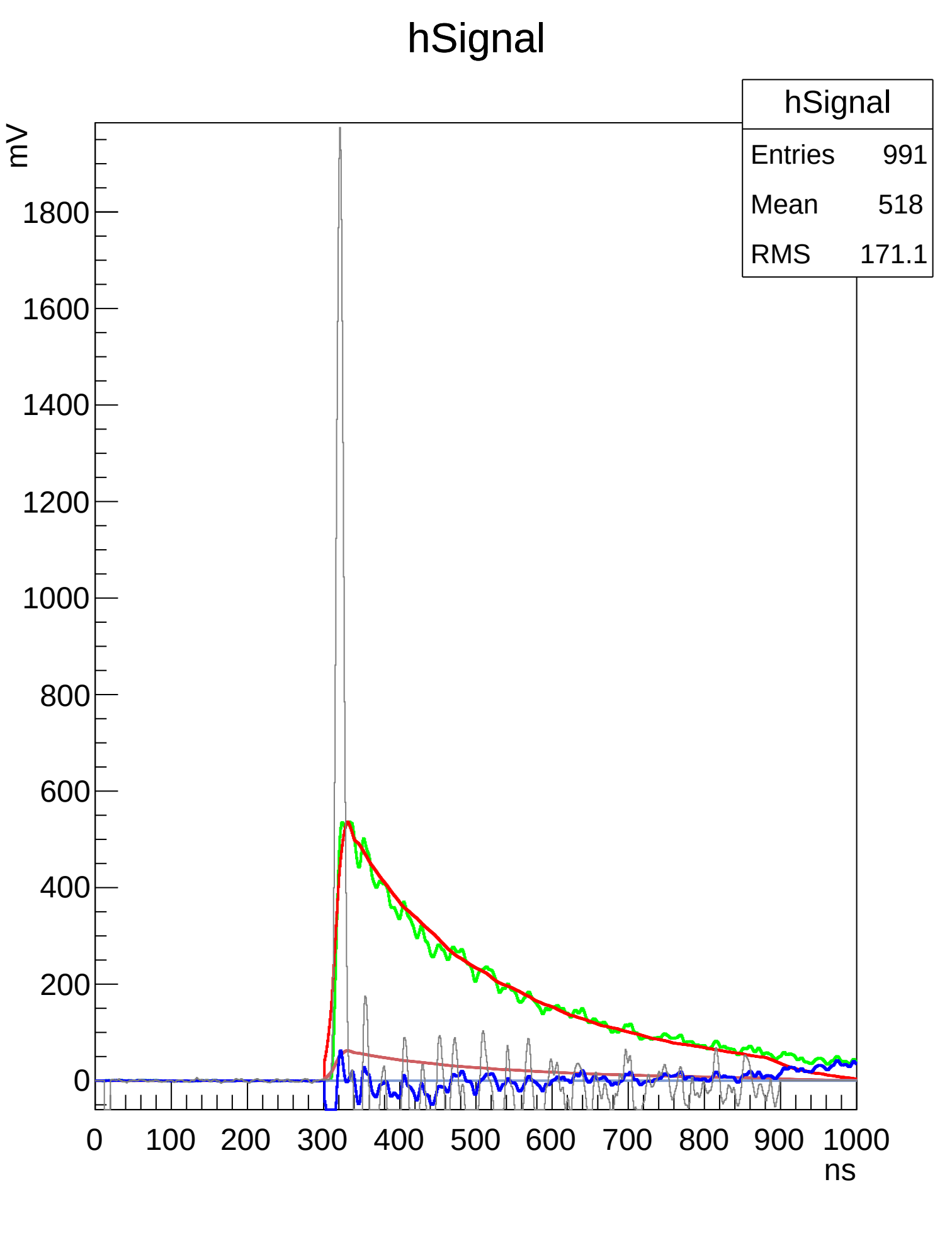

hSignal
hSignal
Entries 991
Mean 469.9
RMS 178.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

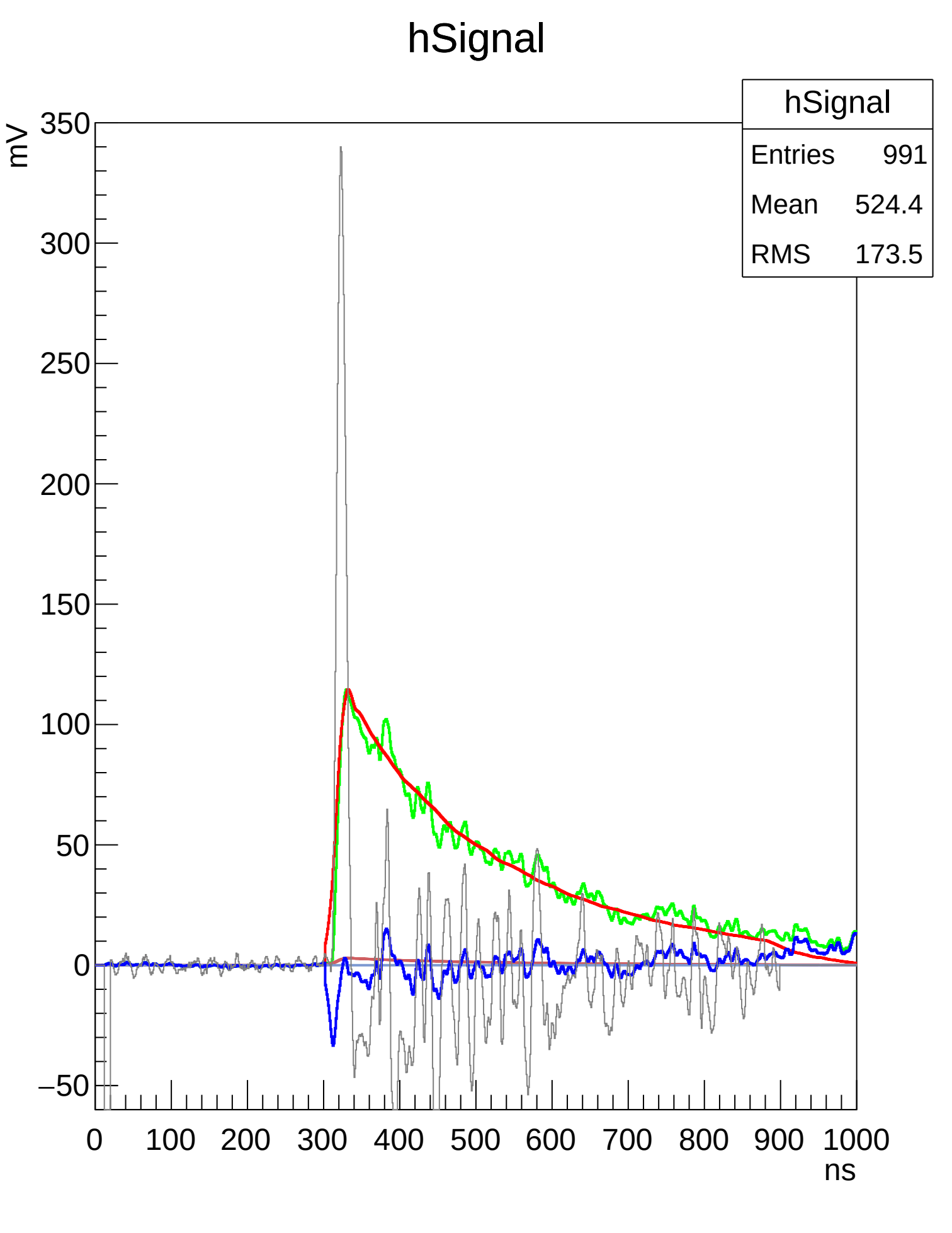

hSignal
hSignal
Entries 991
Mean 575.7
RMS 158.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

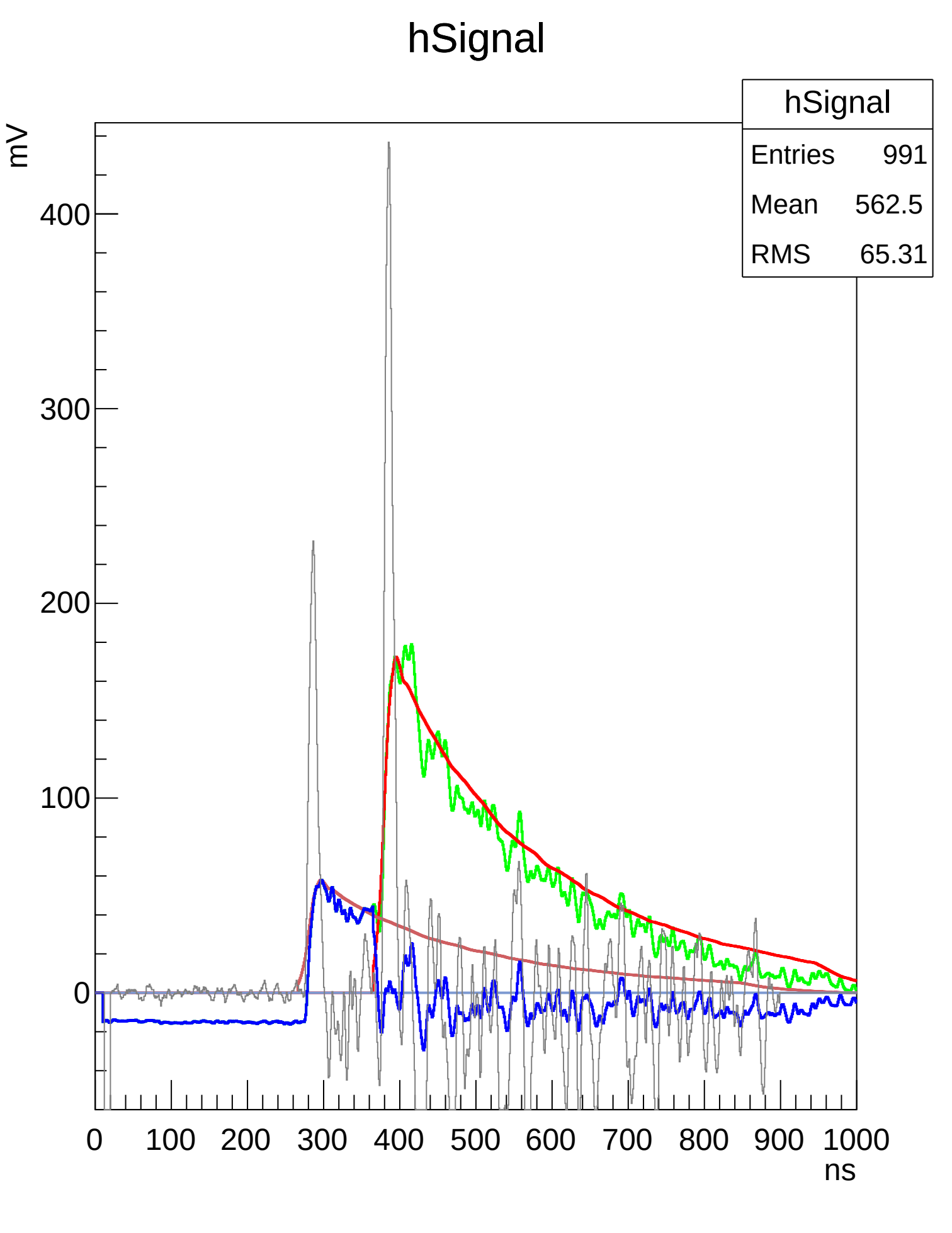

hSignal
hSignal
Entries 991
Mean 486.8
RMS 175.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

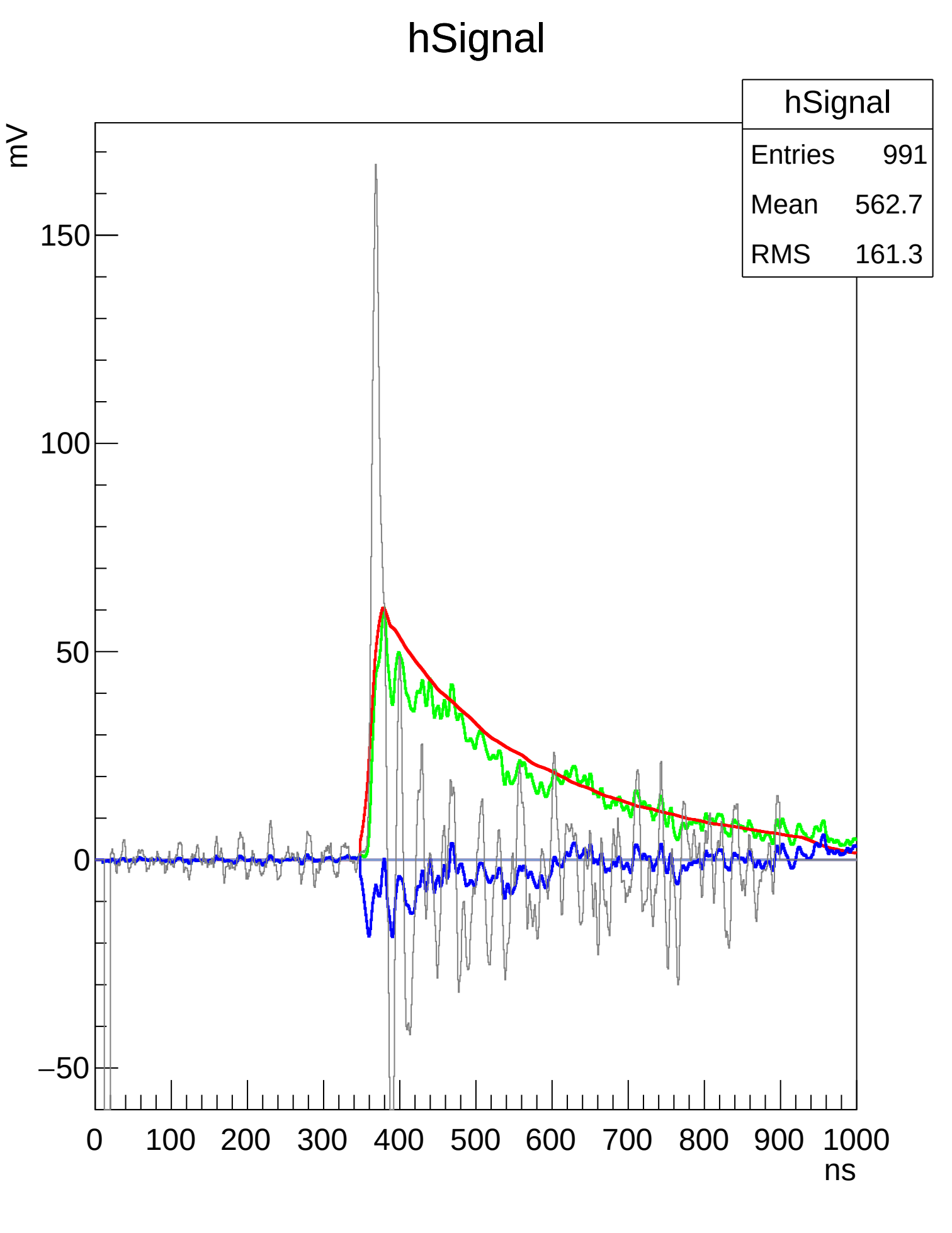

hSignal
hSignal
Entries 991
Mean 508.9
RMS 173.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

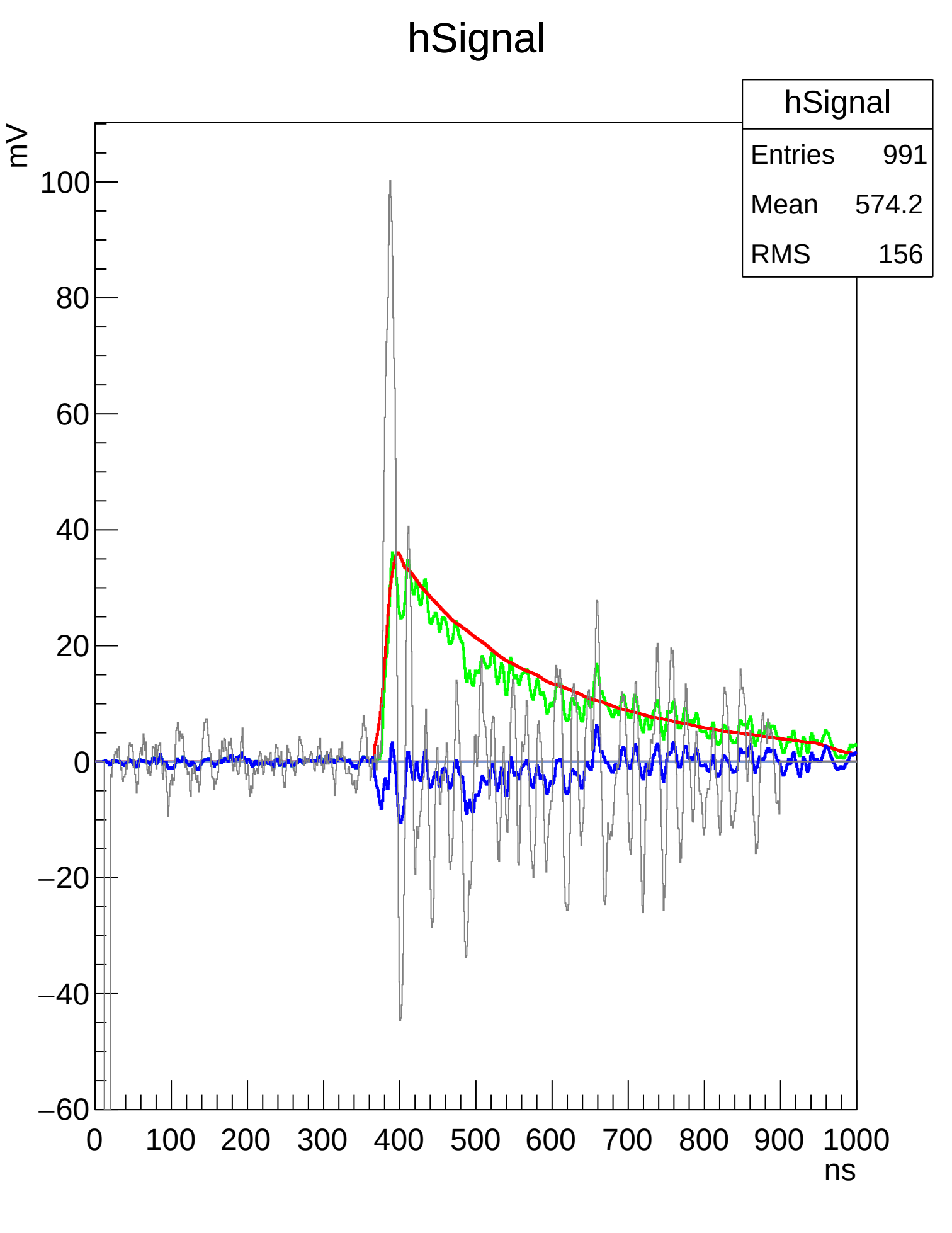

hSignal
hSignal
Entries 991
Mean 497.8
RMS 180.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

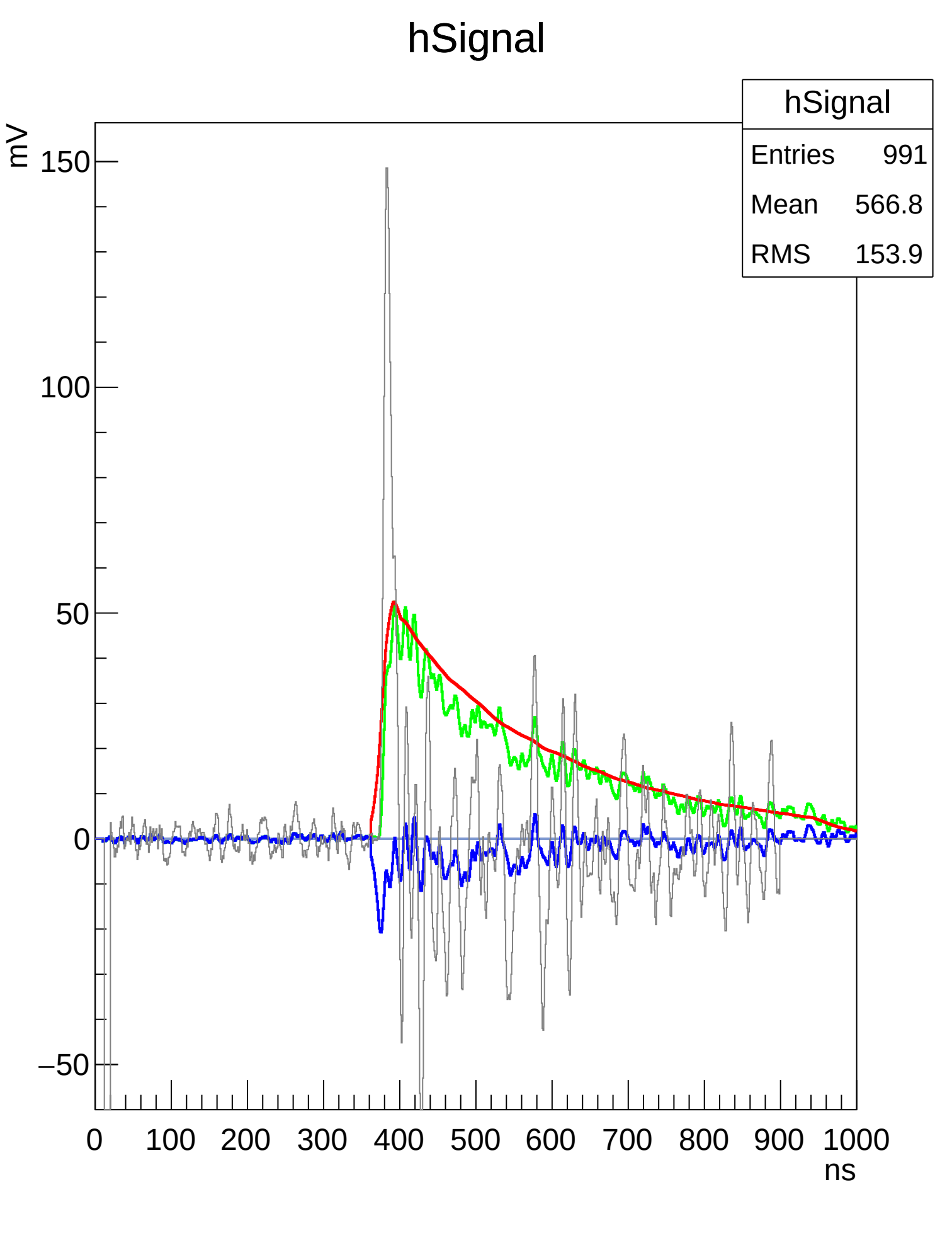

hSignal
hSignal
Entries 991
Mean 518
RMS 171.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

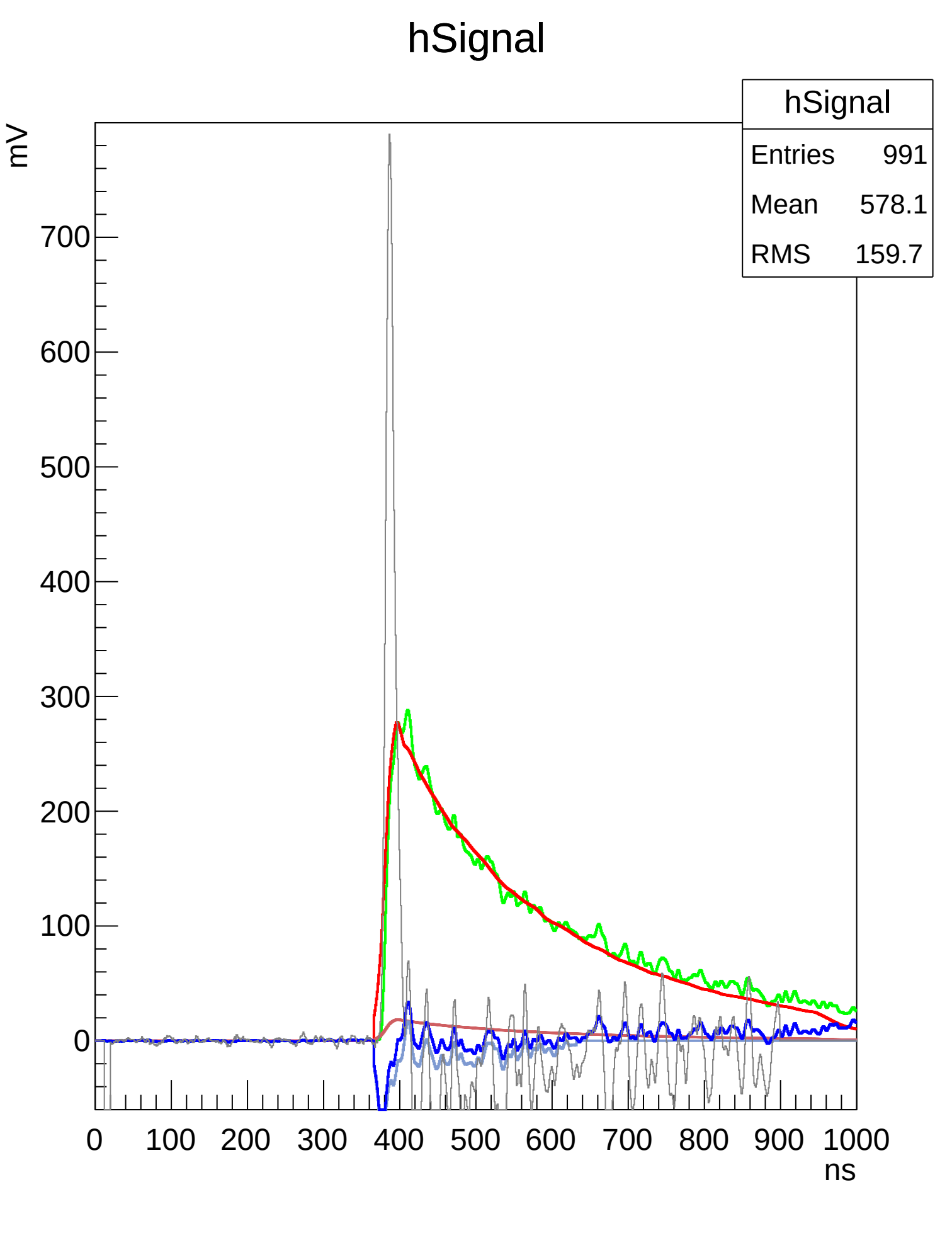

hSignal
hSignal
Entries 991
Mean 524.4
RMS 173.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

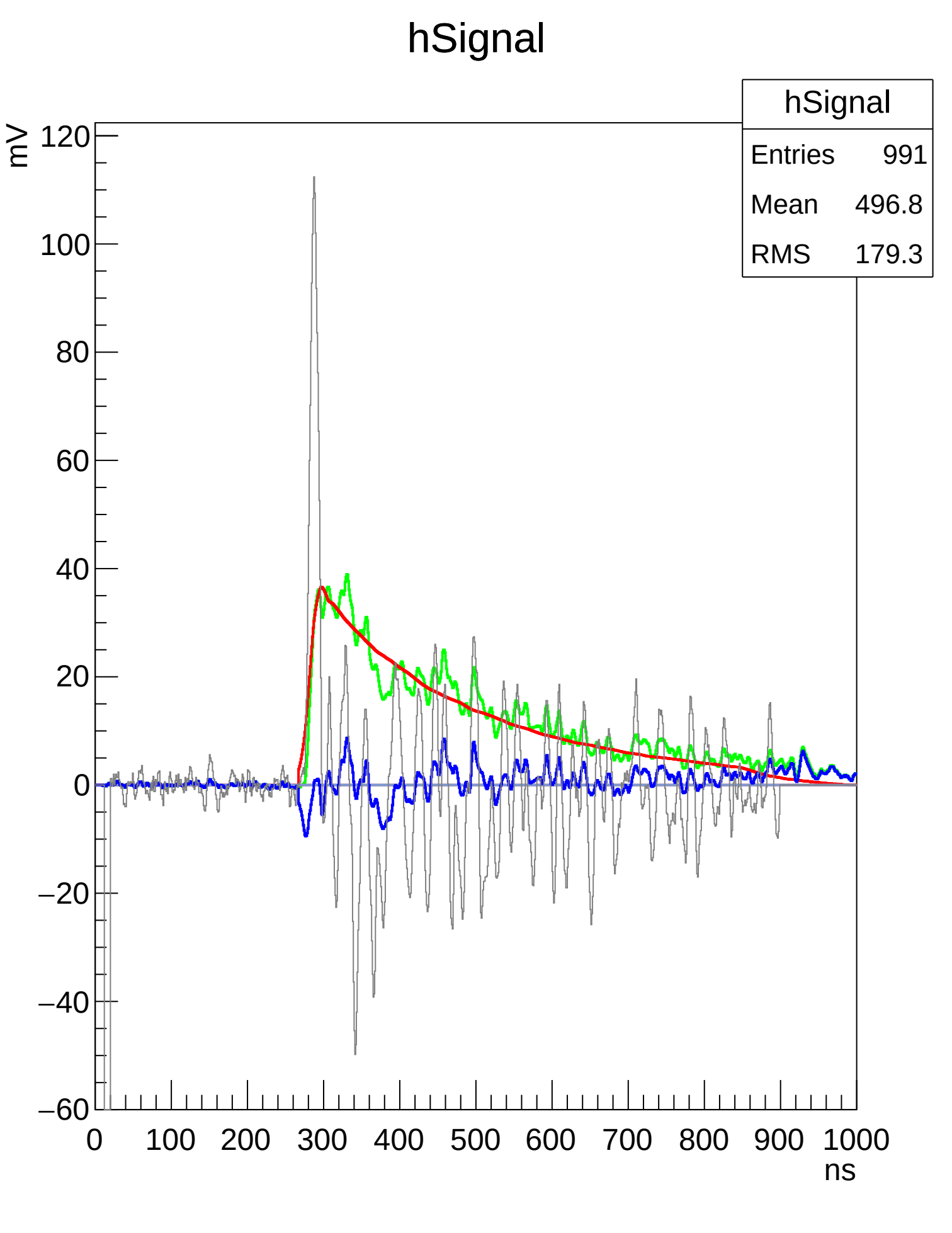

hSignal
hSignal
Entries 991
Mean 562.5
RMS 65.31
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

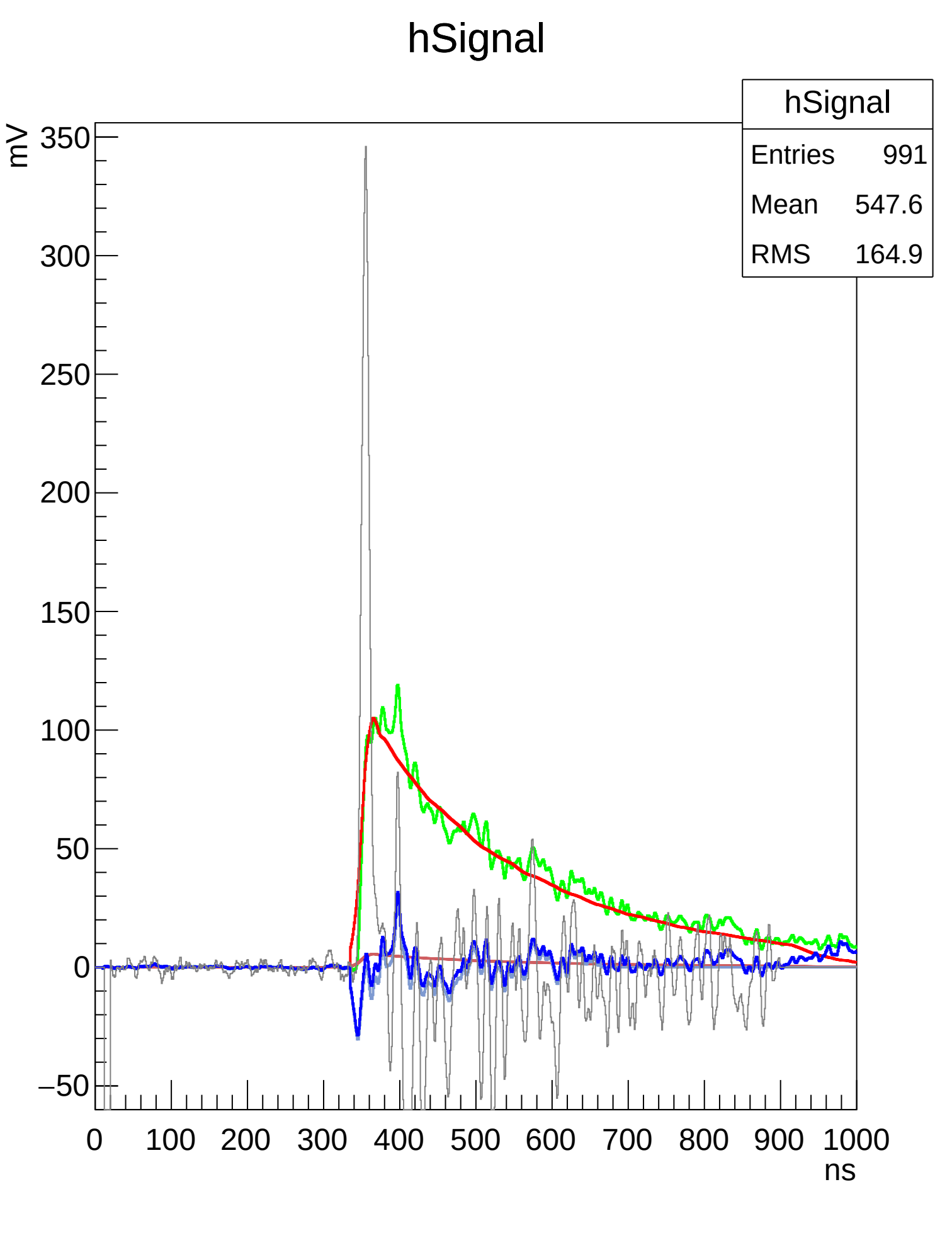

hSignal
hSignal
Entries 991
Mean 562.7
RMS 161.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

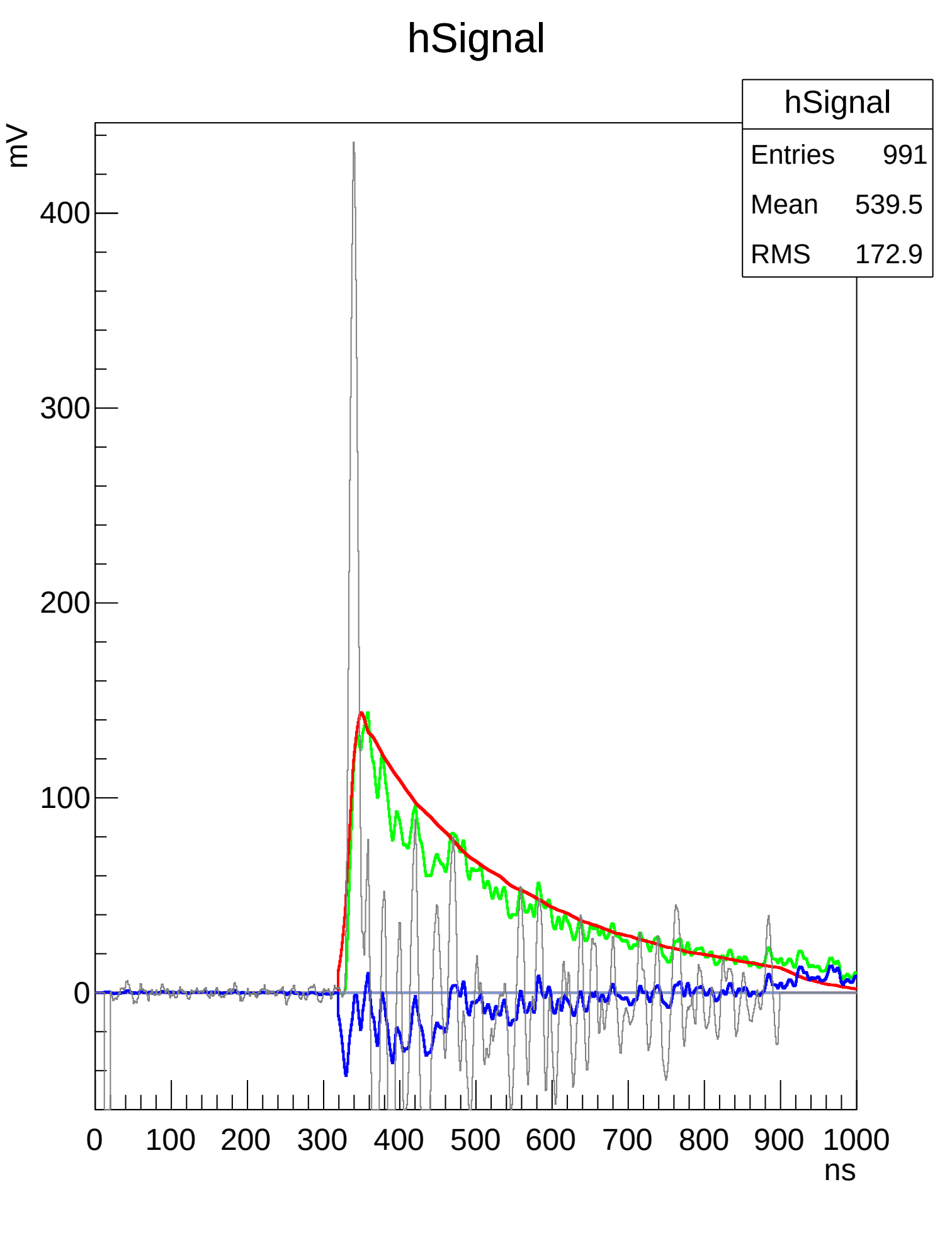

hSignal
hSignal
Entries 991
Mean 574.2
RMS 156
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

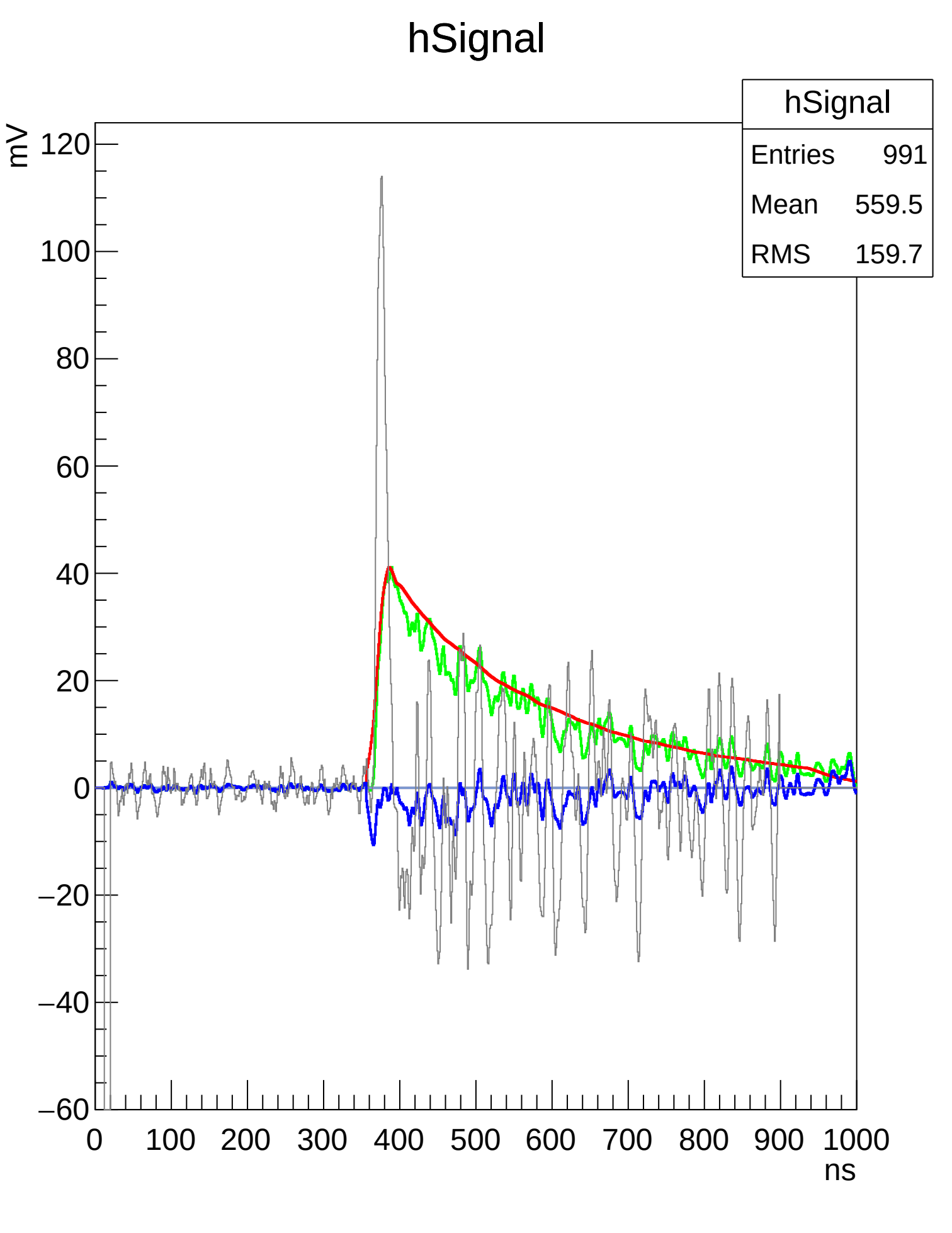

hSignal
hSignal
Entries 991
Mean 566.8
RMS 153.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

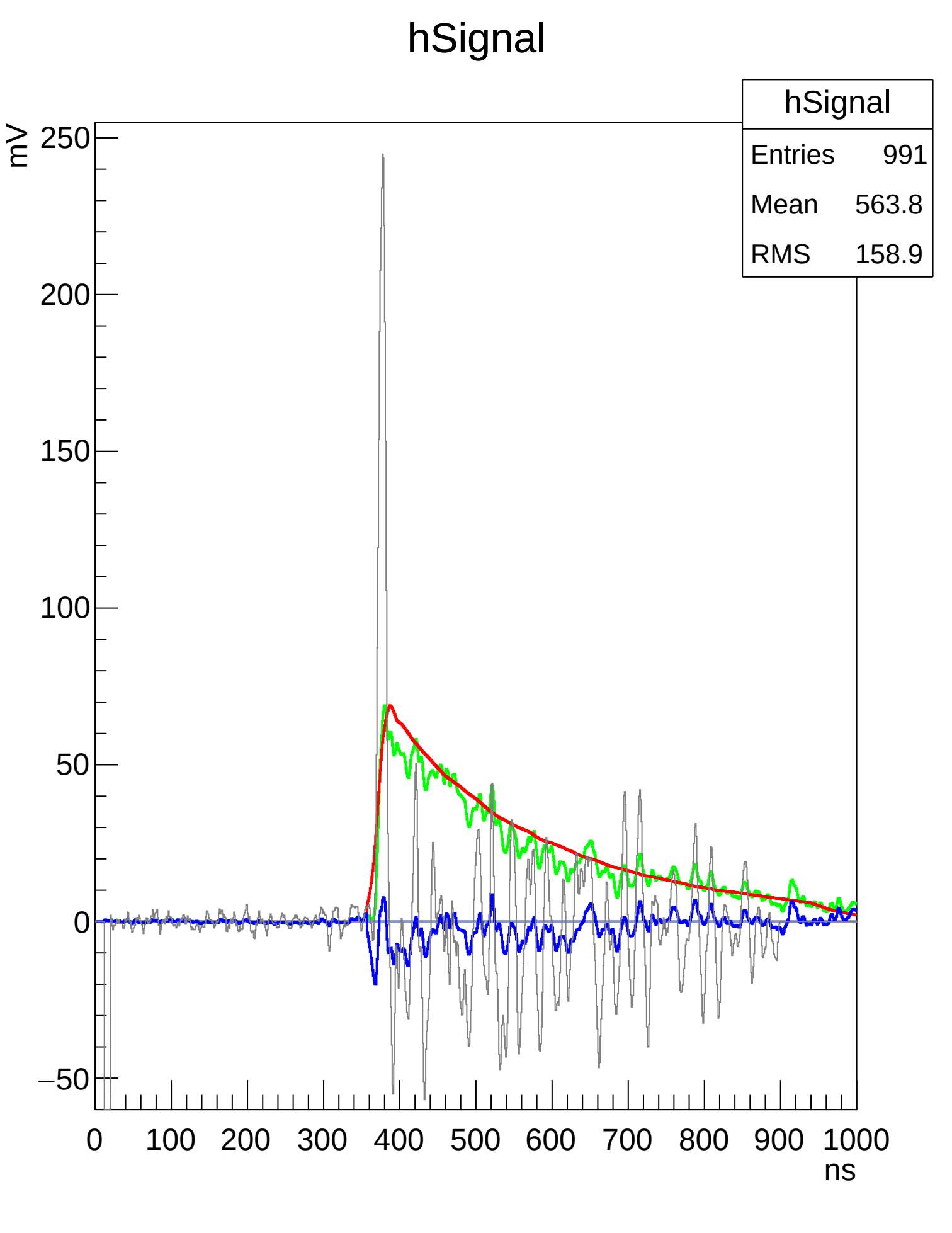

hSignal
hSignal
Entries 991
Mean 578.1
RMS 159.7
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

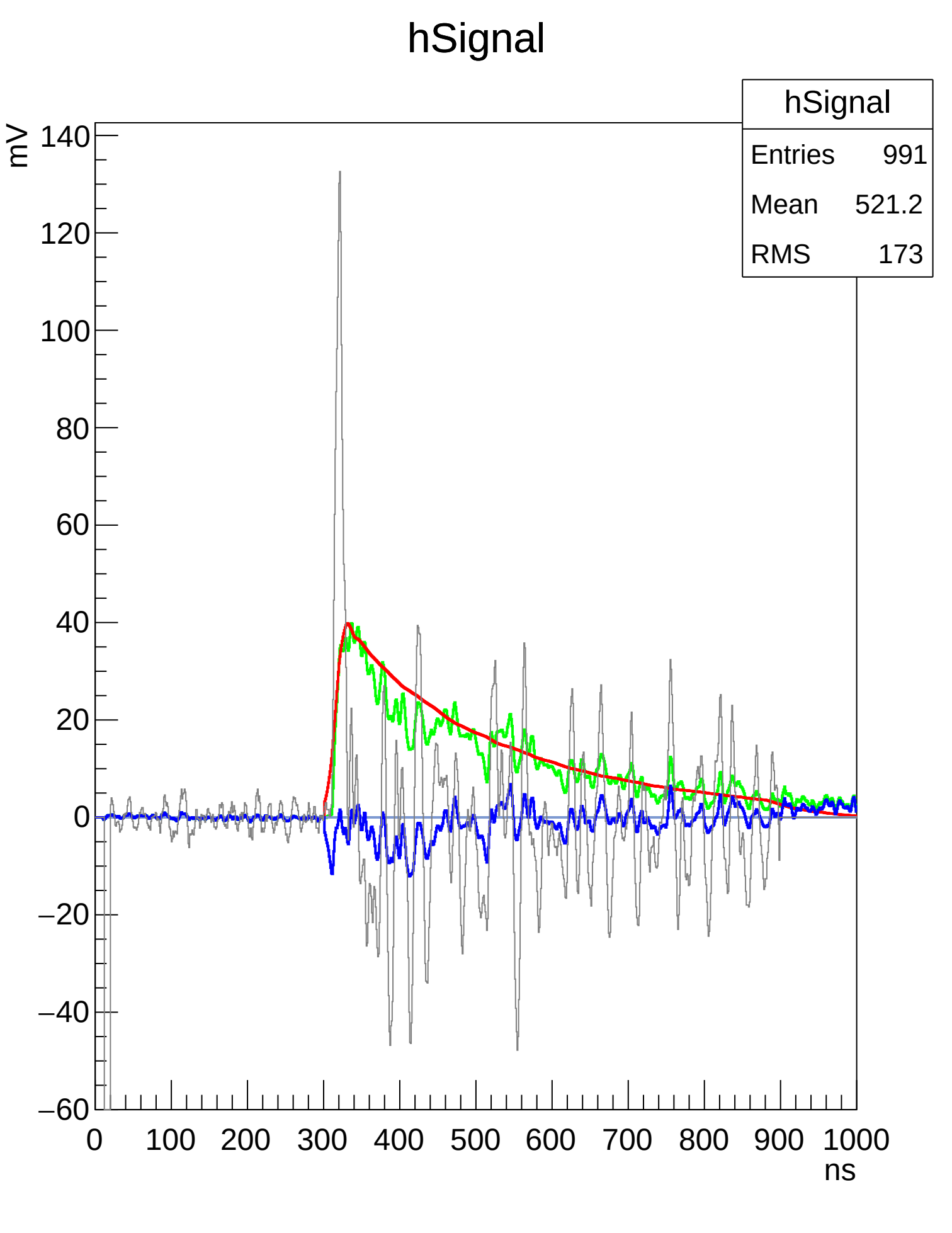

hSignal
hSignal
Entries 991
Mean 496.8
RMS 179.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

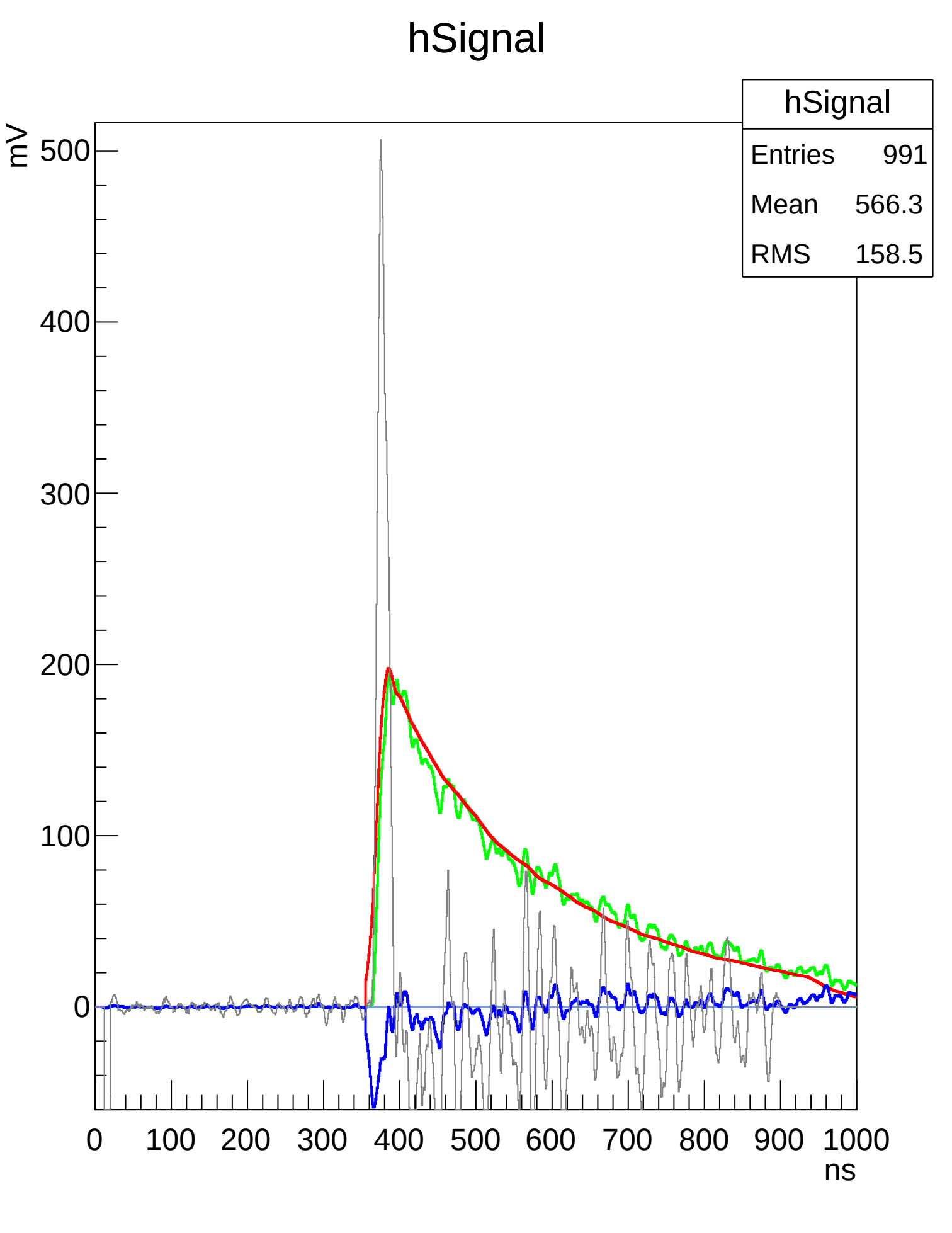

hSignal
hSignal
Entries 991
Mean 547.6
RMS 164.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

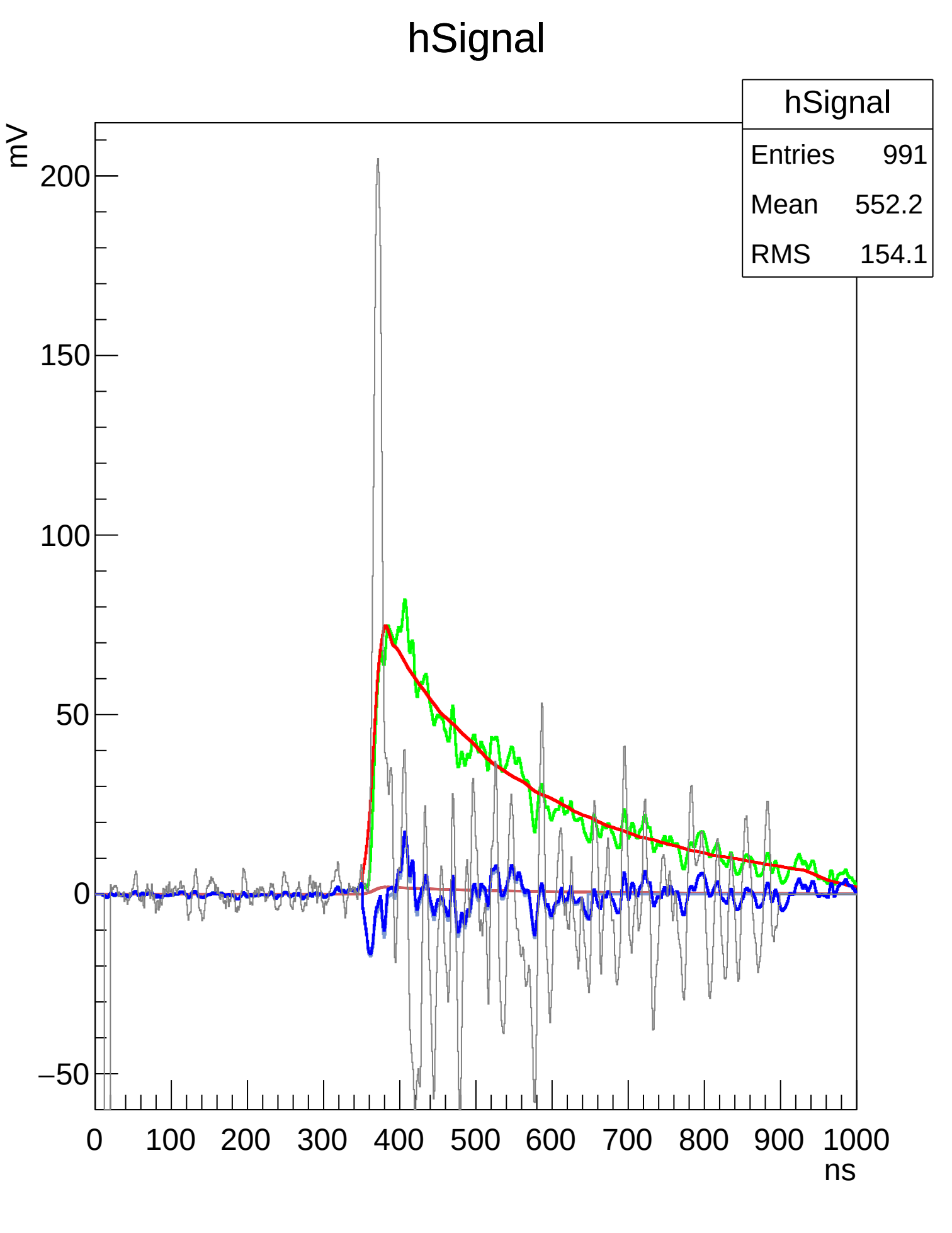

hSignal
hSignal
Entries 991
Mean 539.5
RMS 172.9
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

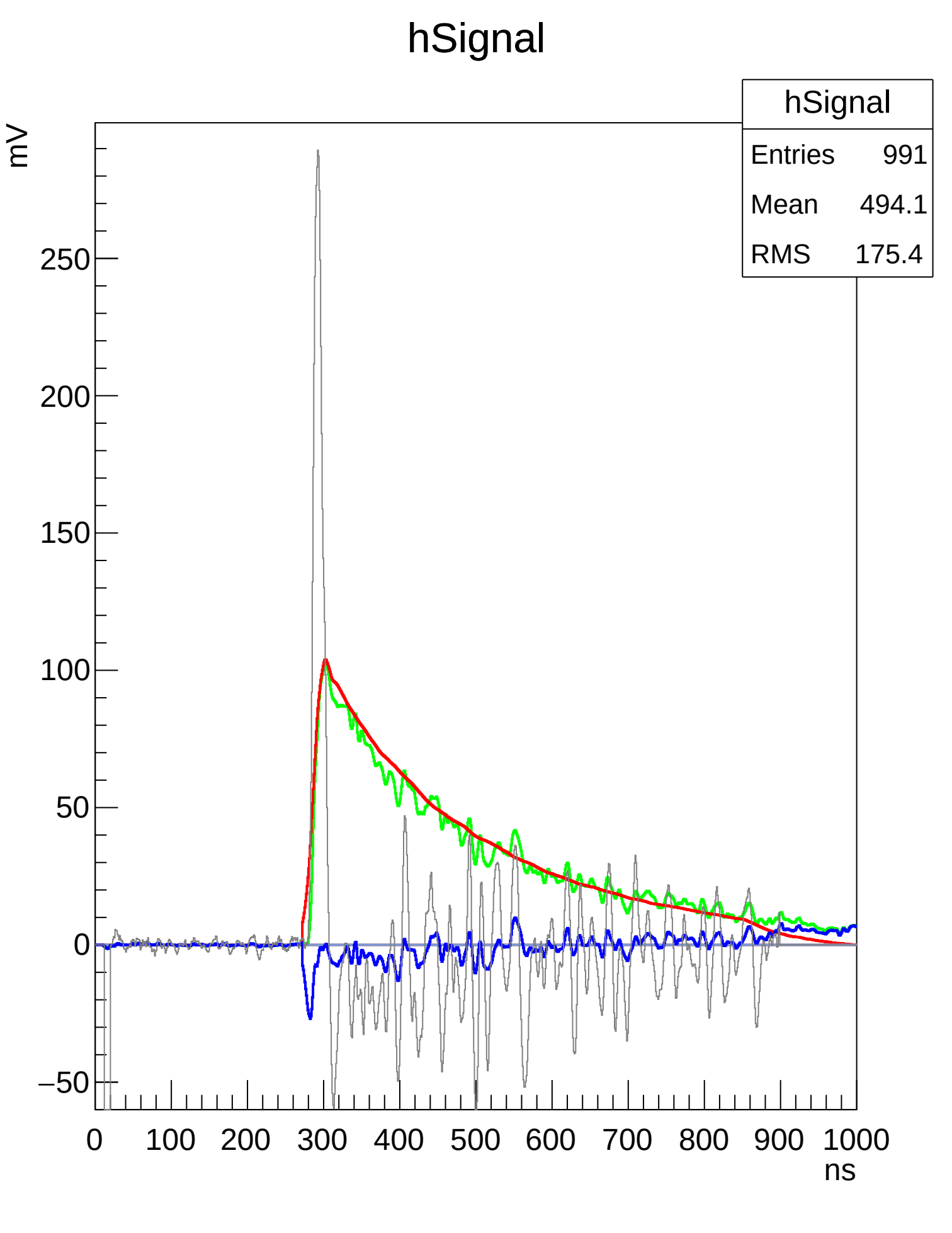

hSignal
hSignal
Entries 991
Mean 559.5
RMS 159.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

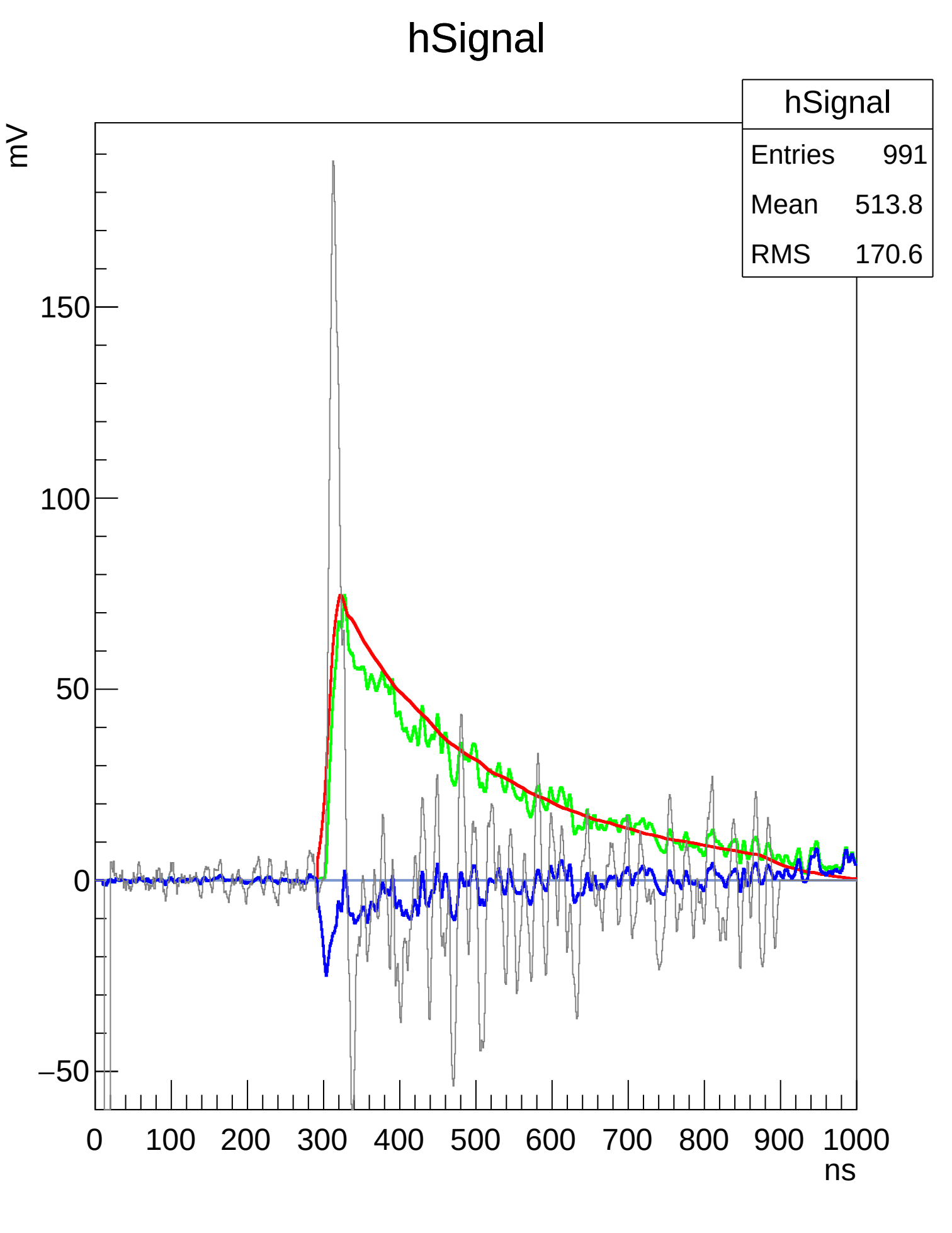

hSignal
hSignal
Entries 991
Mean 563.8
RMS 158.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

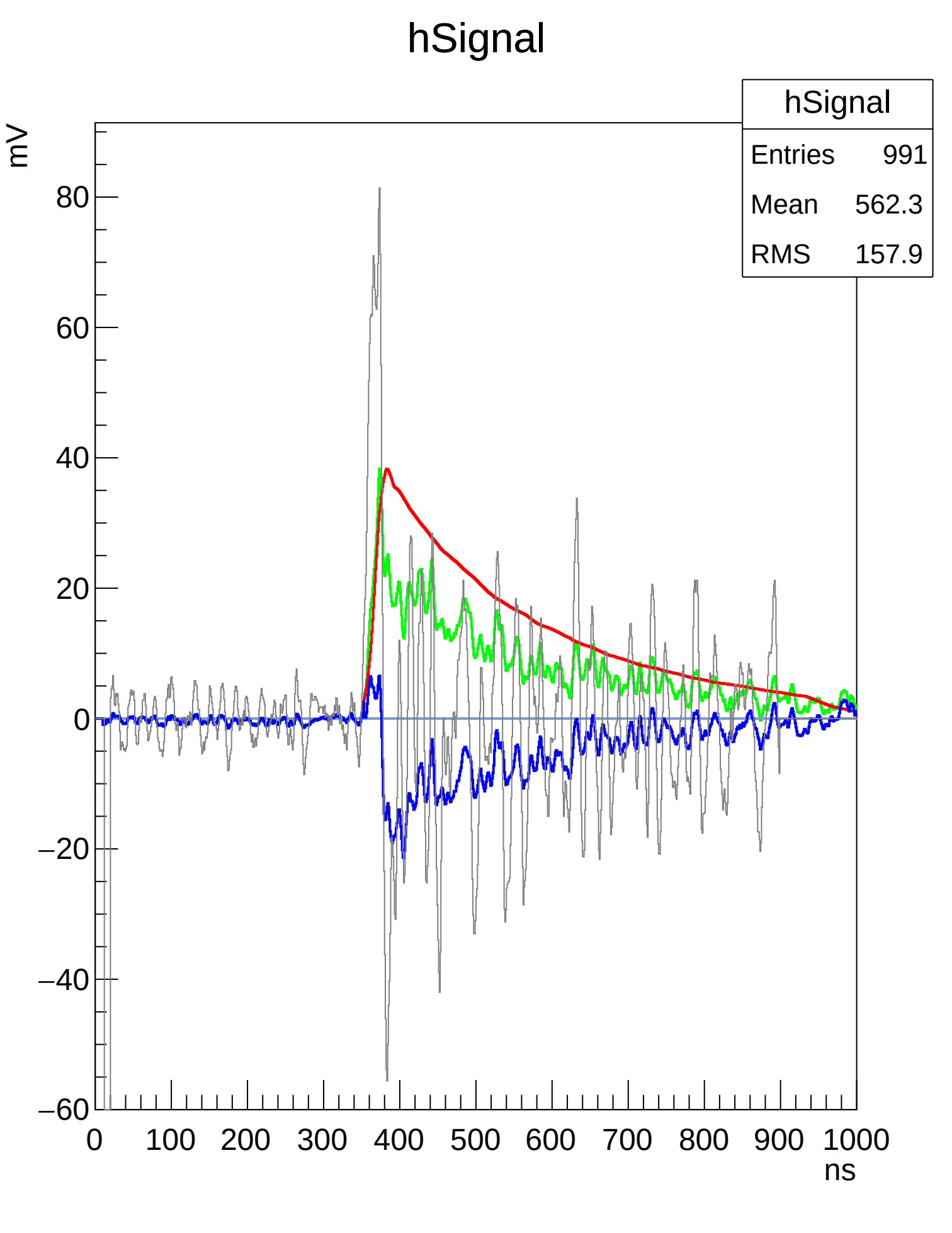

hSignal
hSignal
Entries 991
Mean 521.2
RMS 173
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

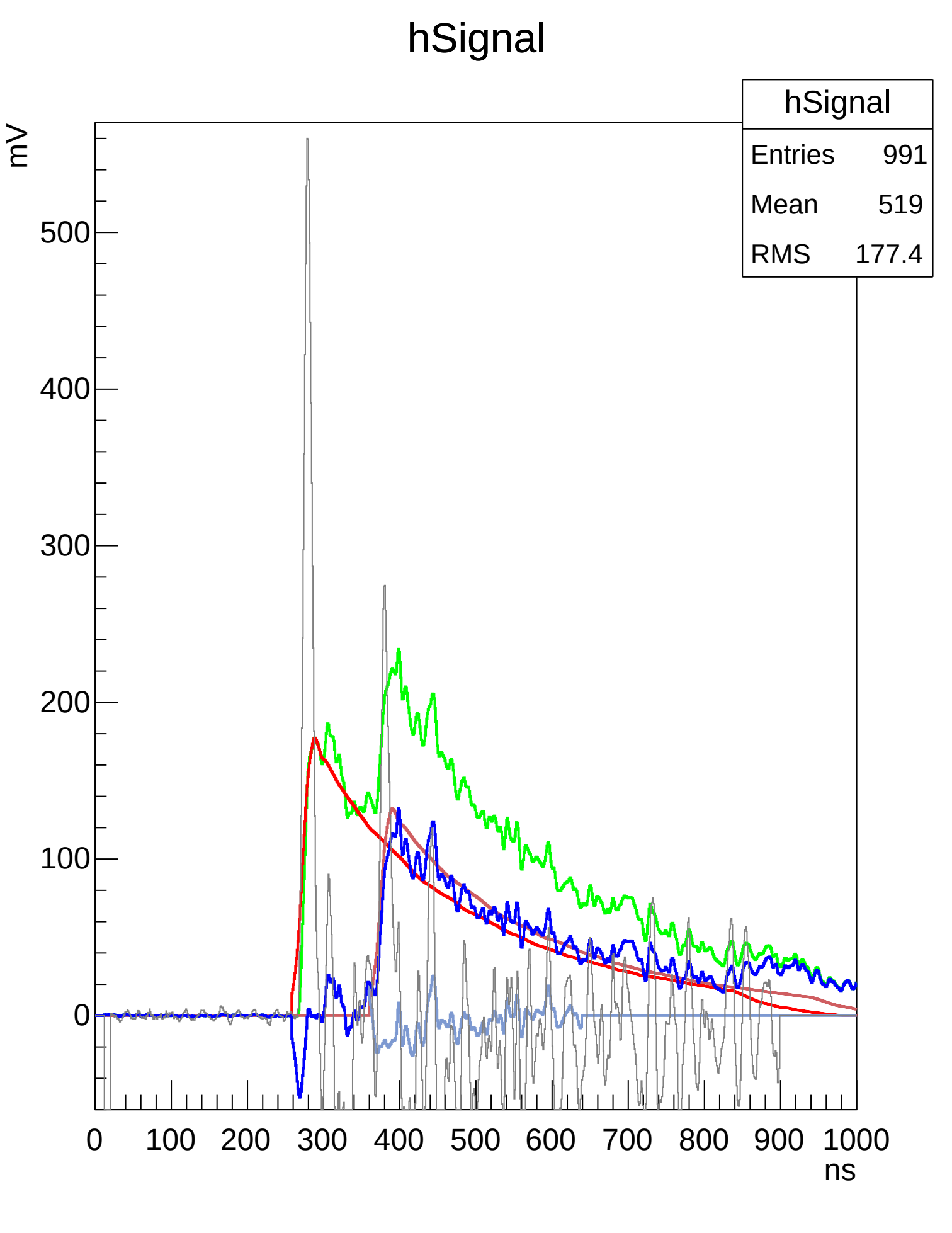

hSignal
hSignal
Entries 991
Mean 566.3
RMS 158.5
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

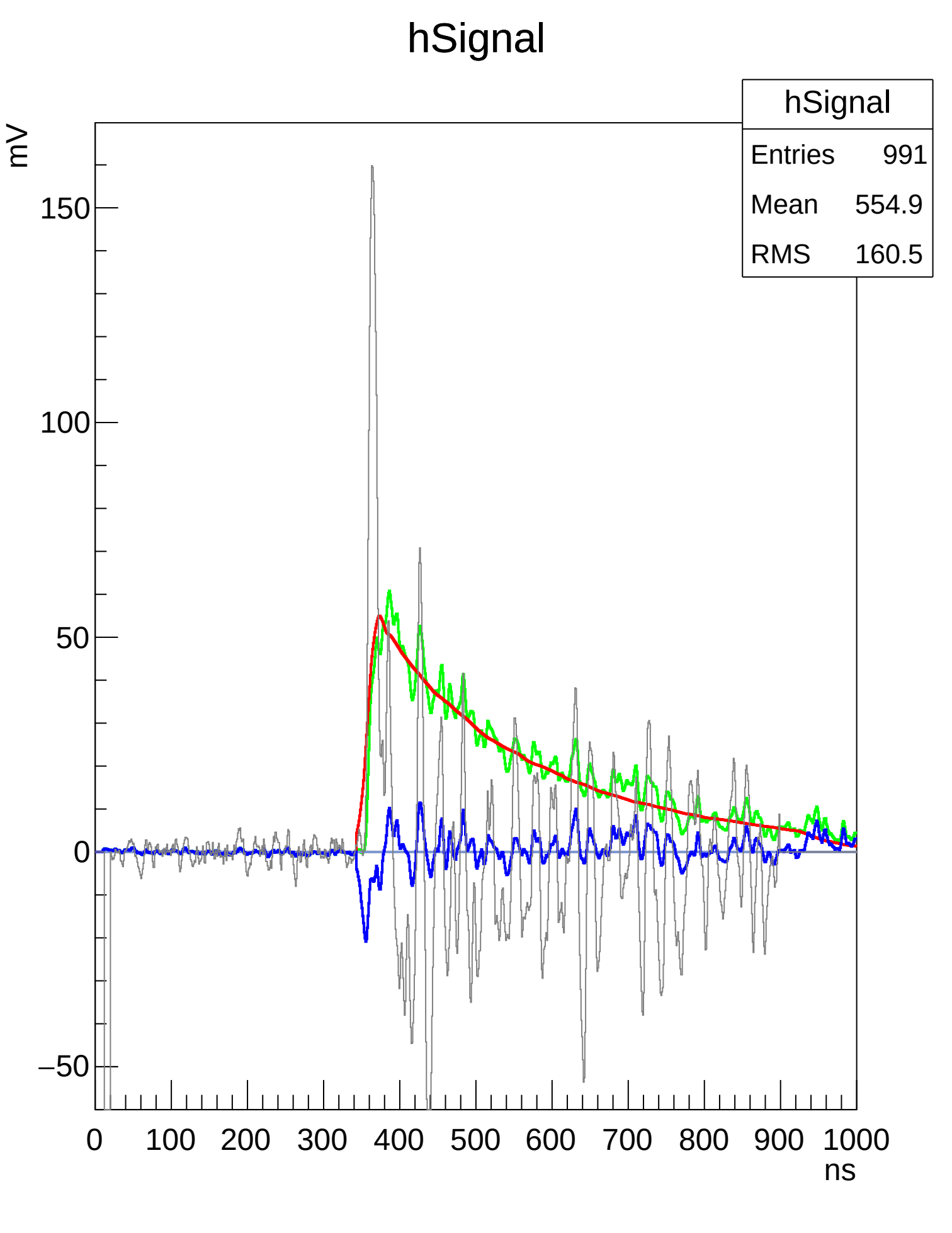

hSignal
hSignal
Entries 991
Mean 552.2
RMS 154.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

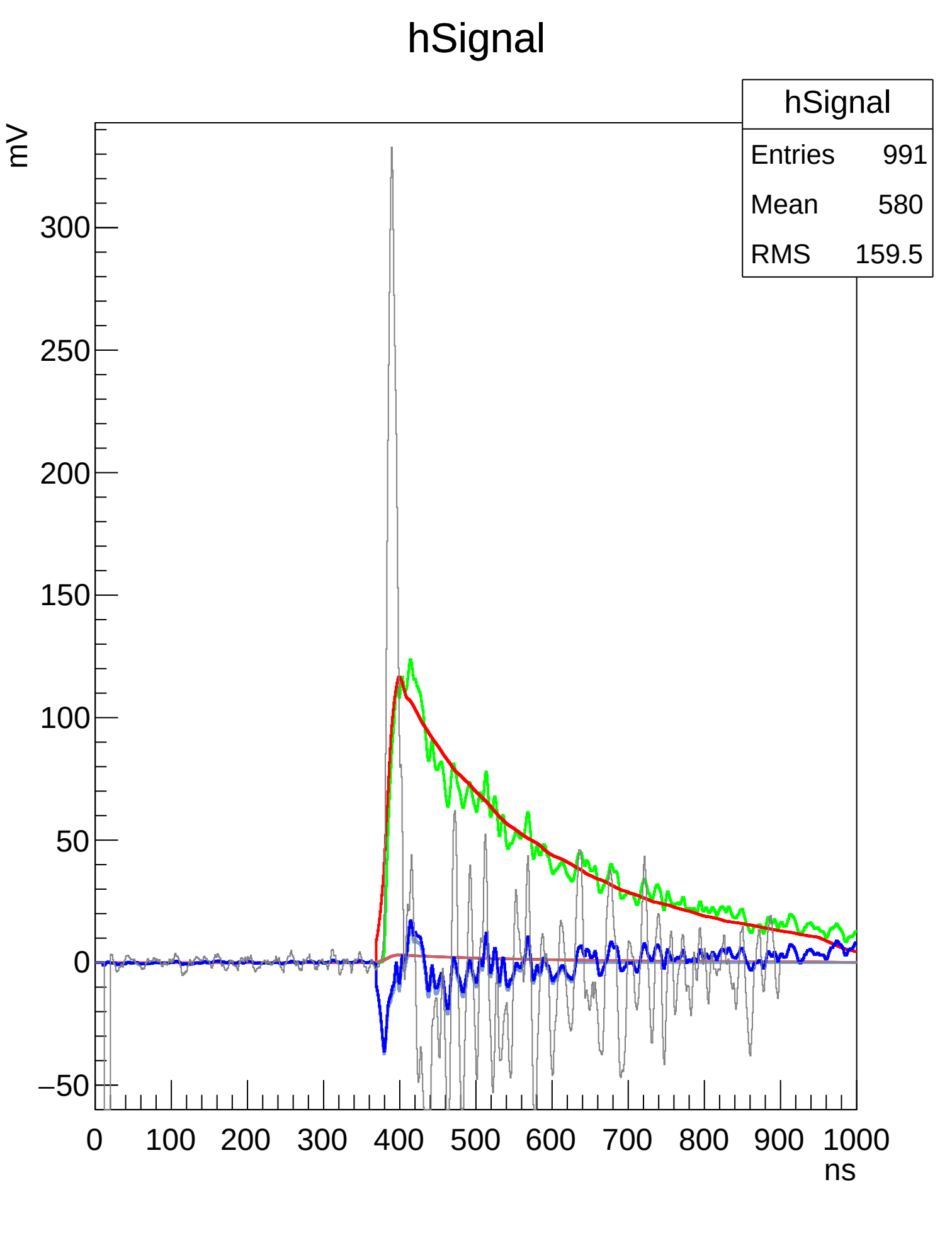

hSignal
hSignal
Entries 991
Mean 494.1
RMS 175.4
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

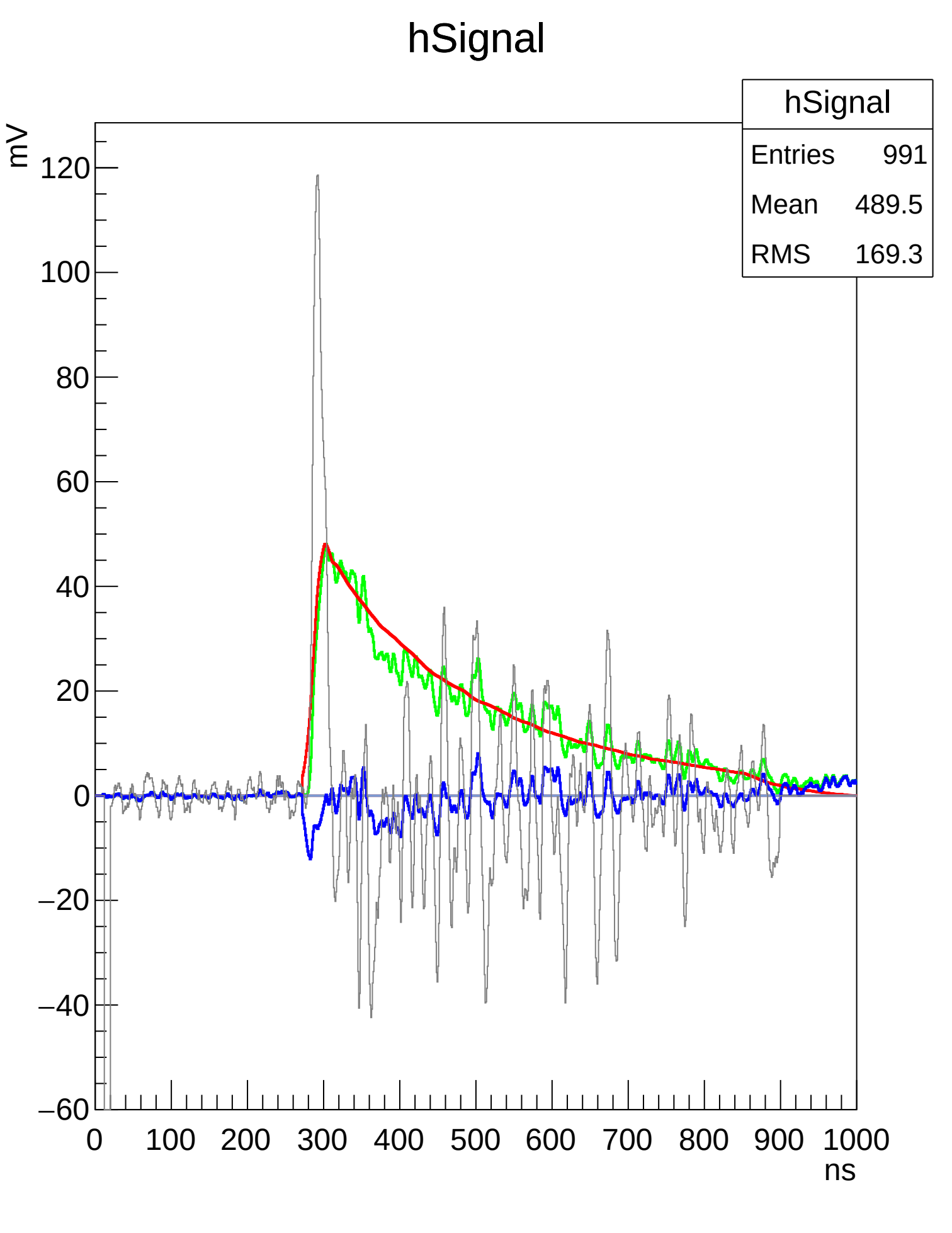

hSignal
hSignal
Entries 991
Mean 513.8
RMS 170.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

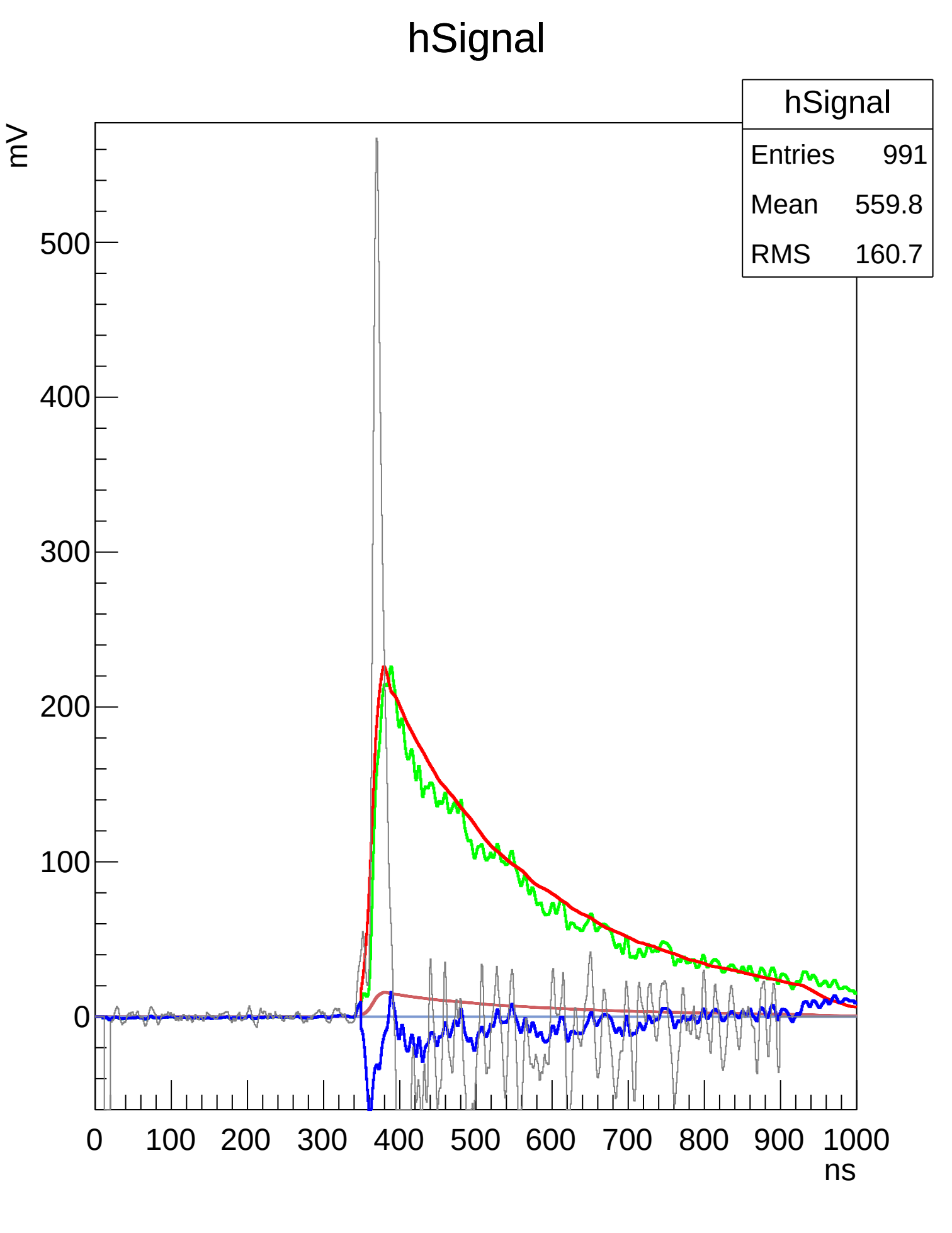

hSignal
hSignal
Entries 991
Mean 562.3
RMS 157.9
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

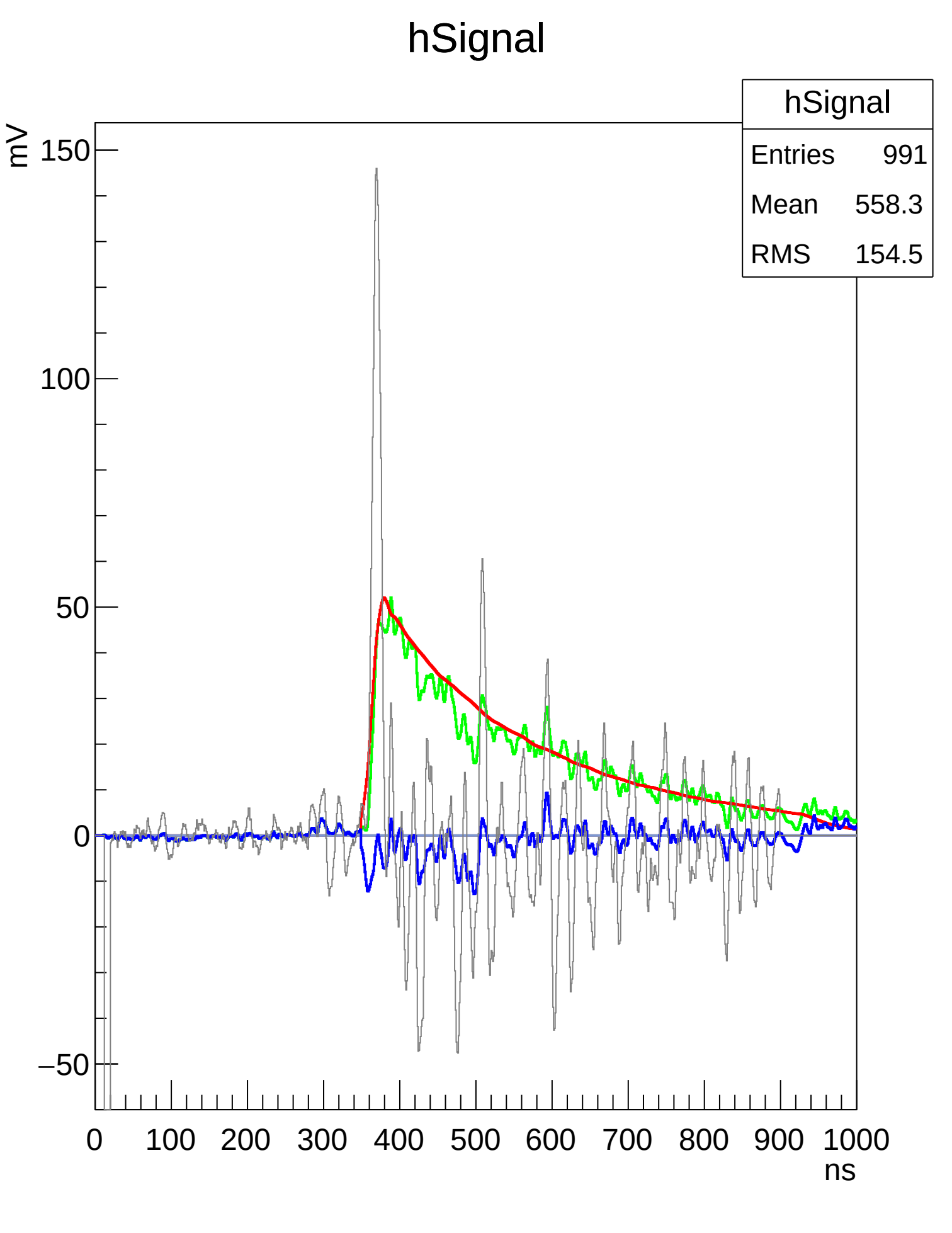

hSignal
hSignal
Entries 991
Mean 519
RMS 177.4
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

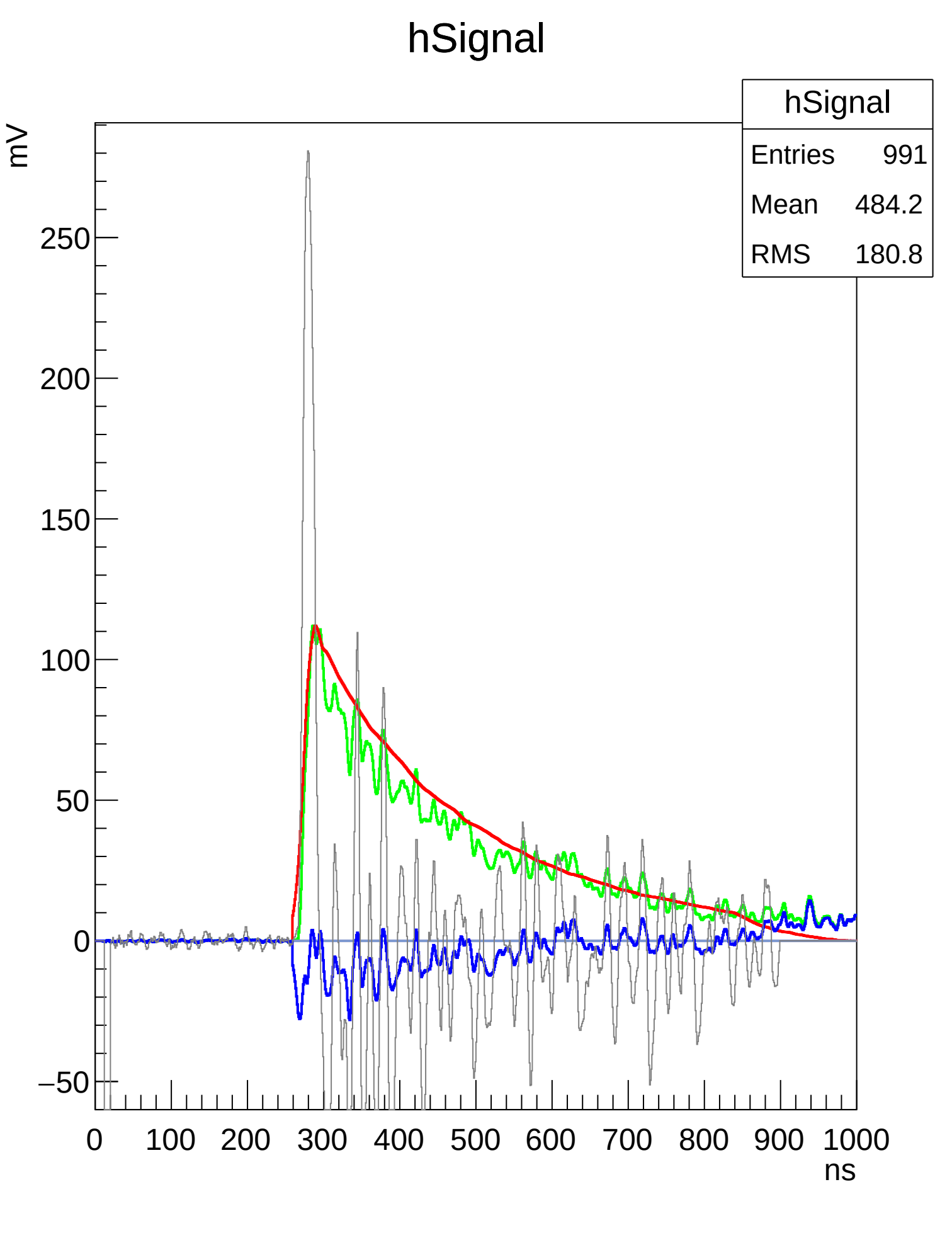

hSignal
hSignal
Entries 991
Mean 554.9
RMS 160.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

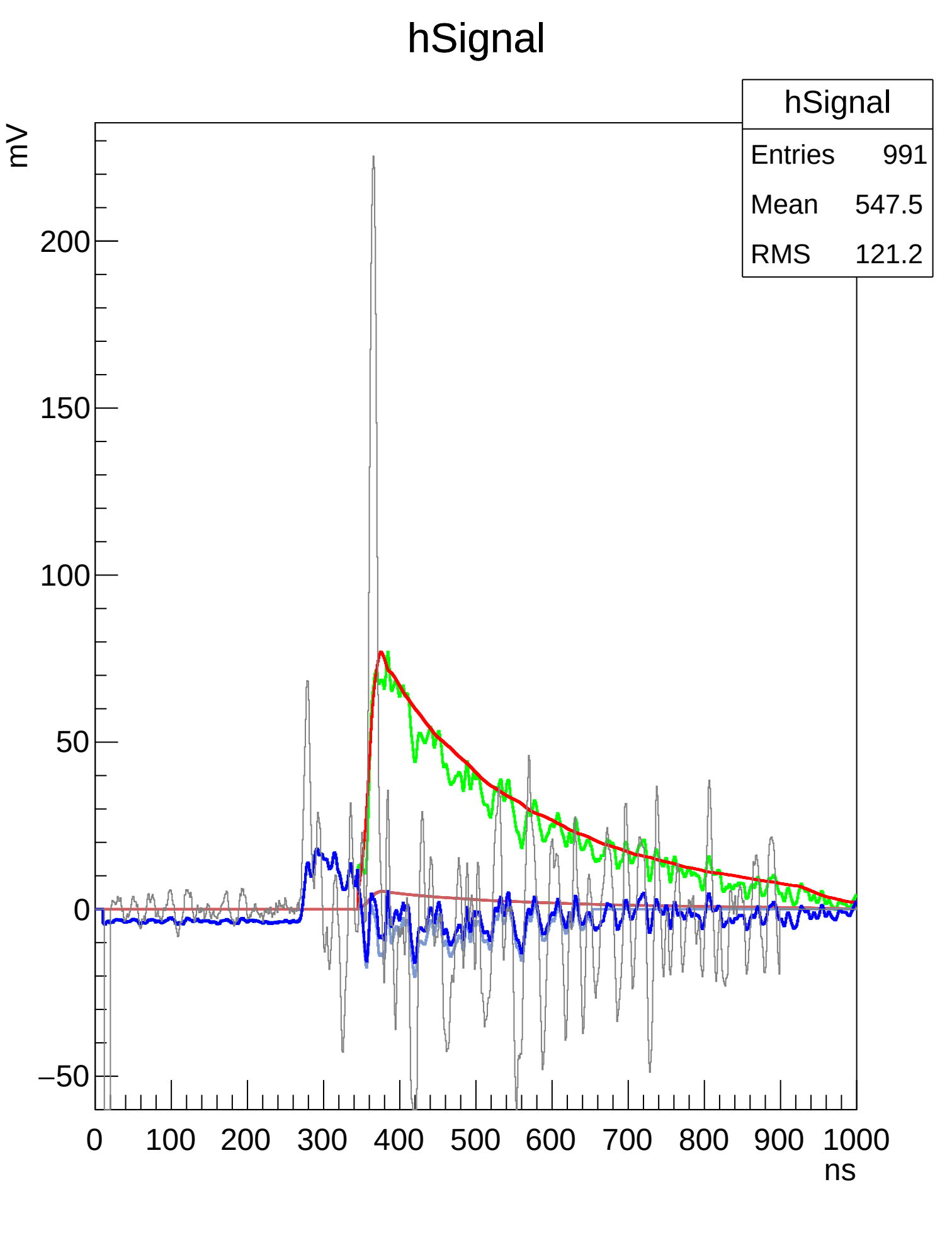

hSignal
hSignal
Entries 991
Mean 580
RMS 159.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

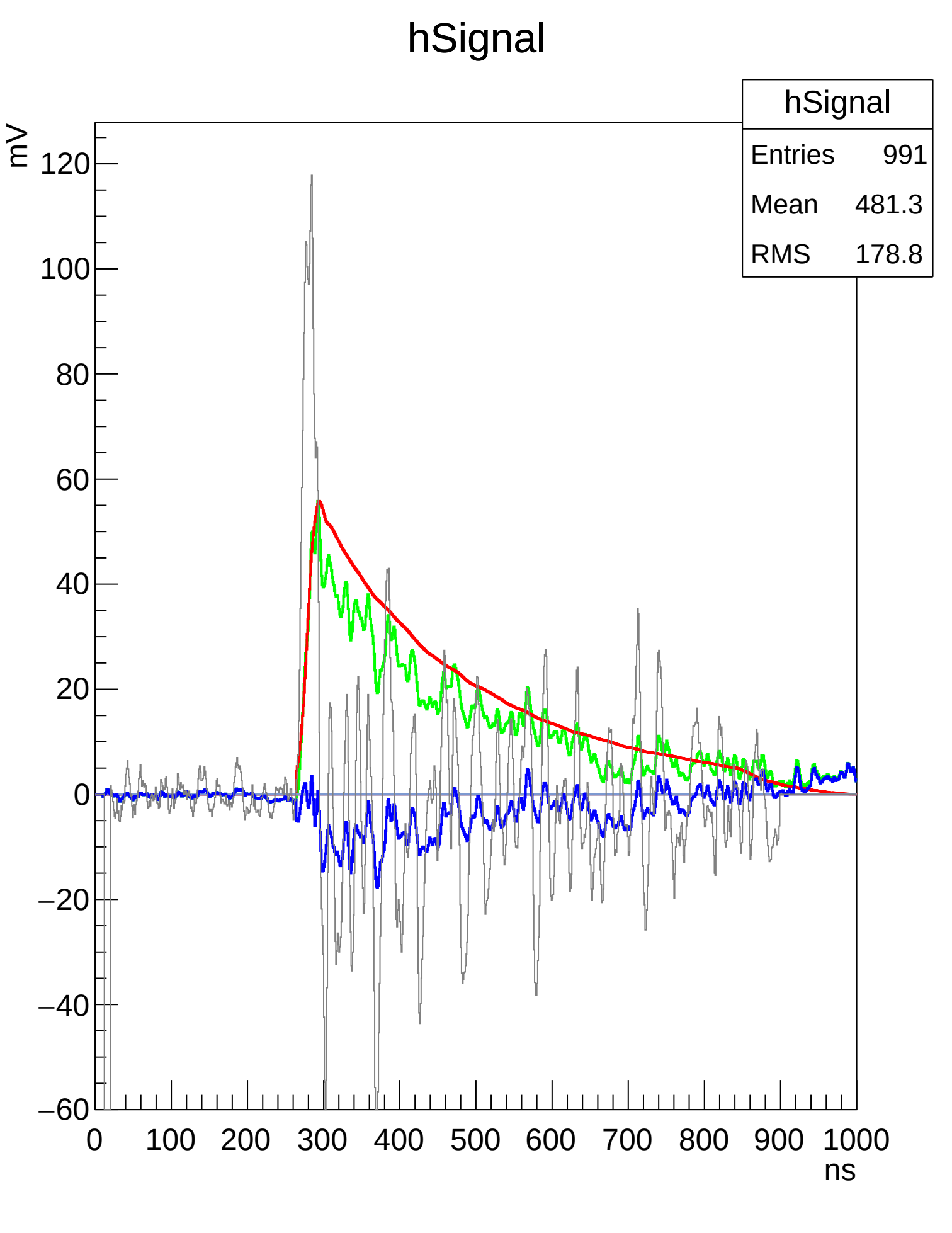

hSignal
hSignal
Entries 991
Mean 489.5
RMS 169.3
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

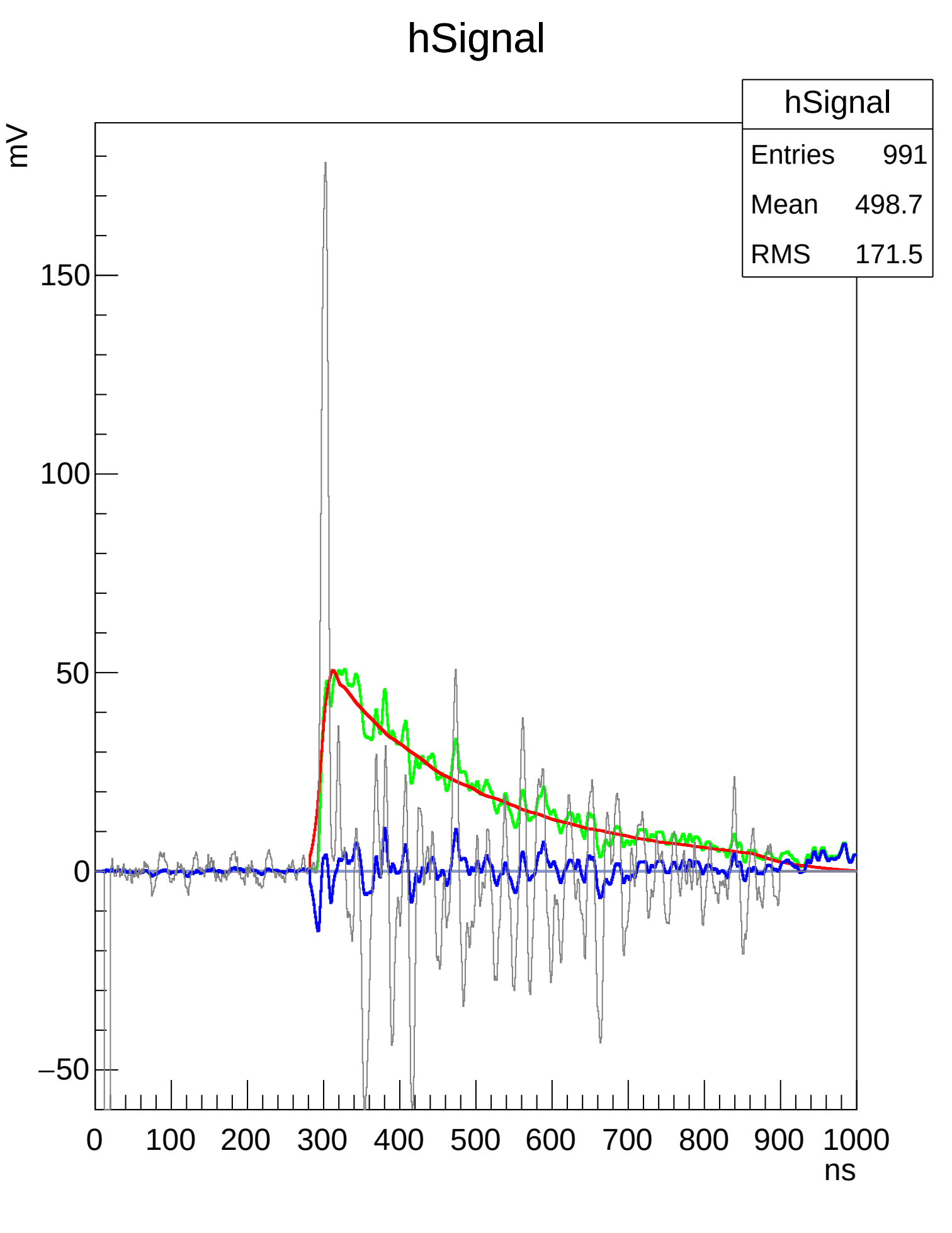

hSignal
hSignal
Entries 991
Mean 559.8
RMS 160.7
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

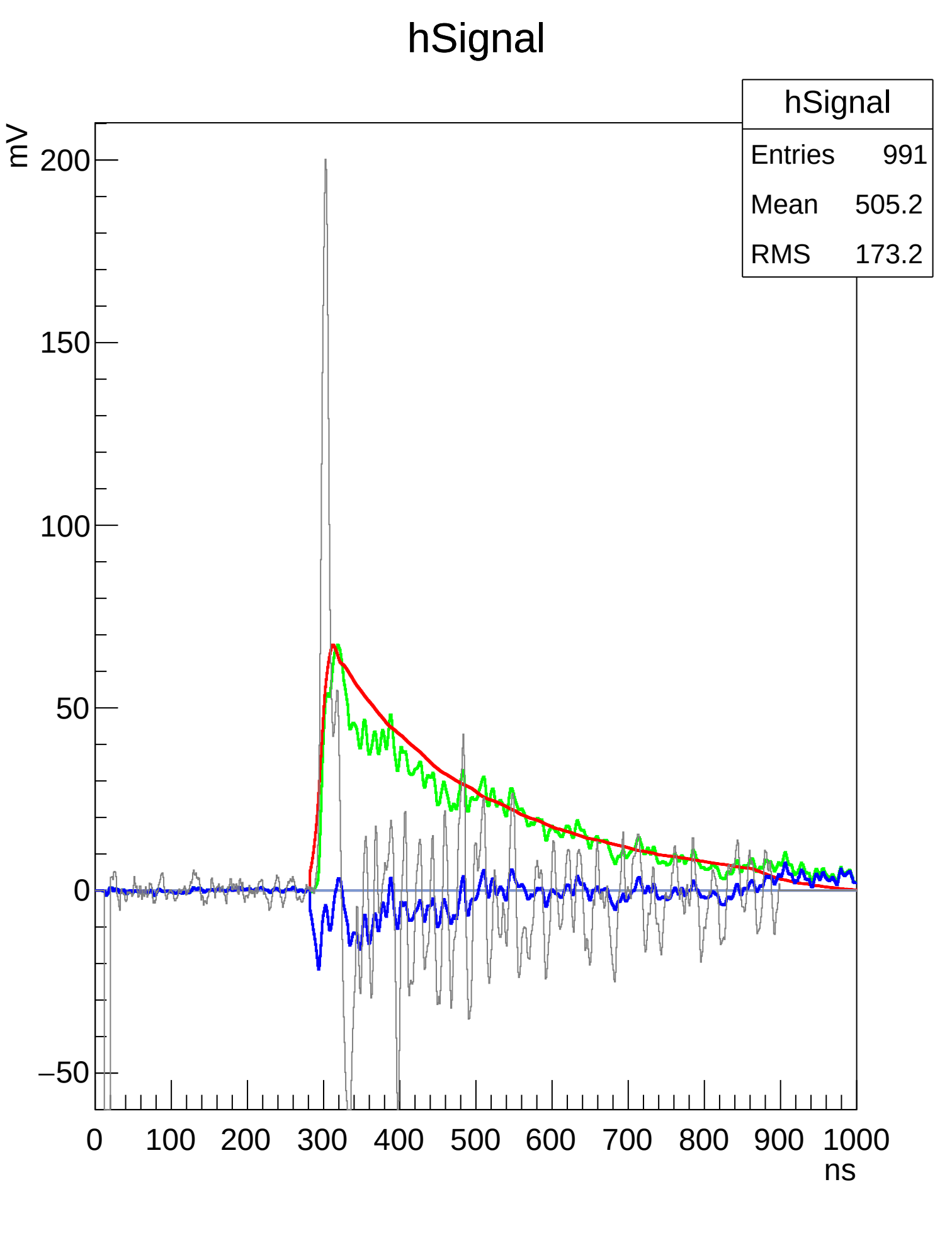

hSignal
hSignal
Entries 991
Mean 558.3
RMS 154.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

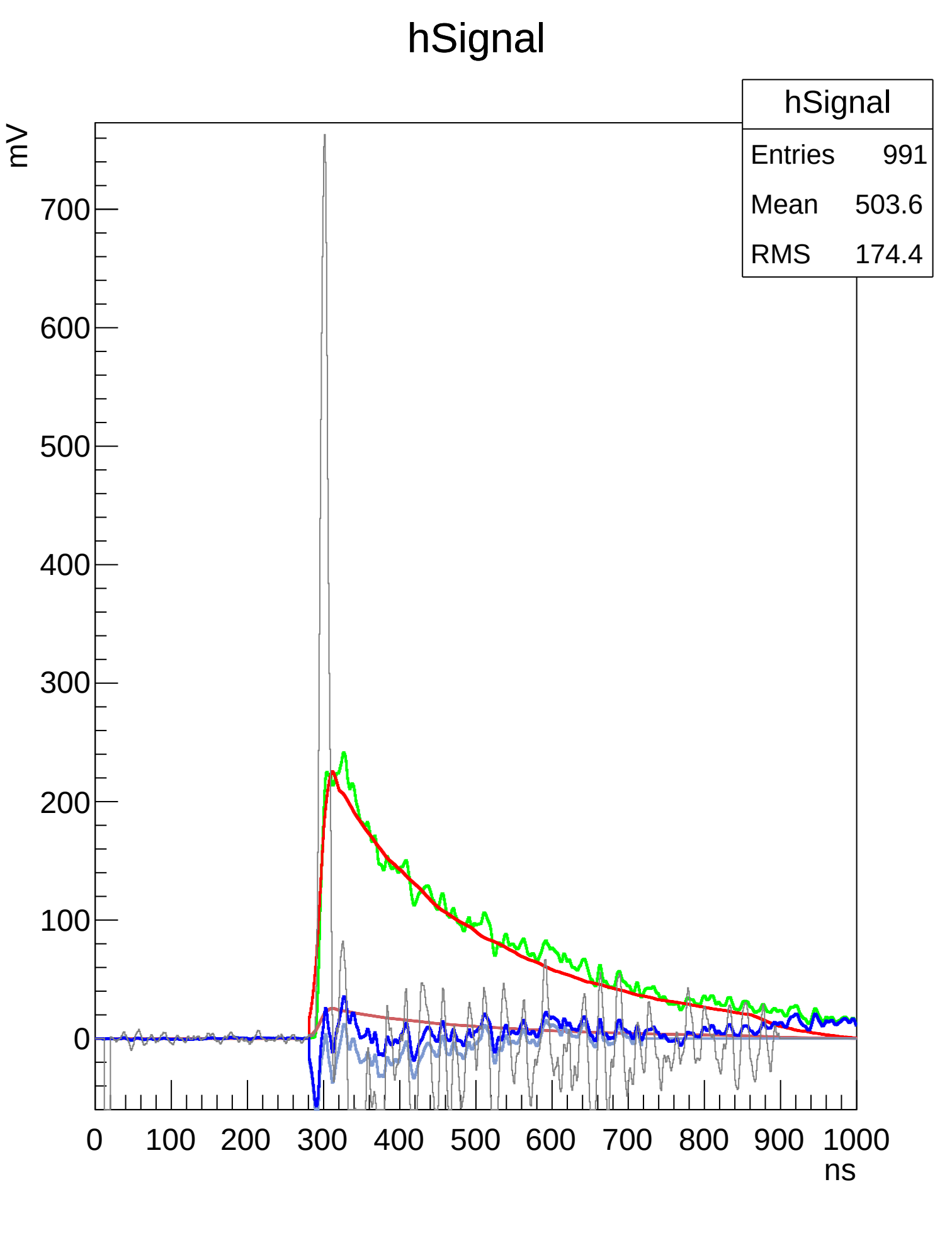

hSignal
hSignal
Entries 991
Mean 484.2
RMS 180.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

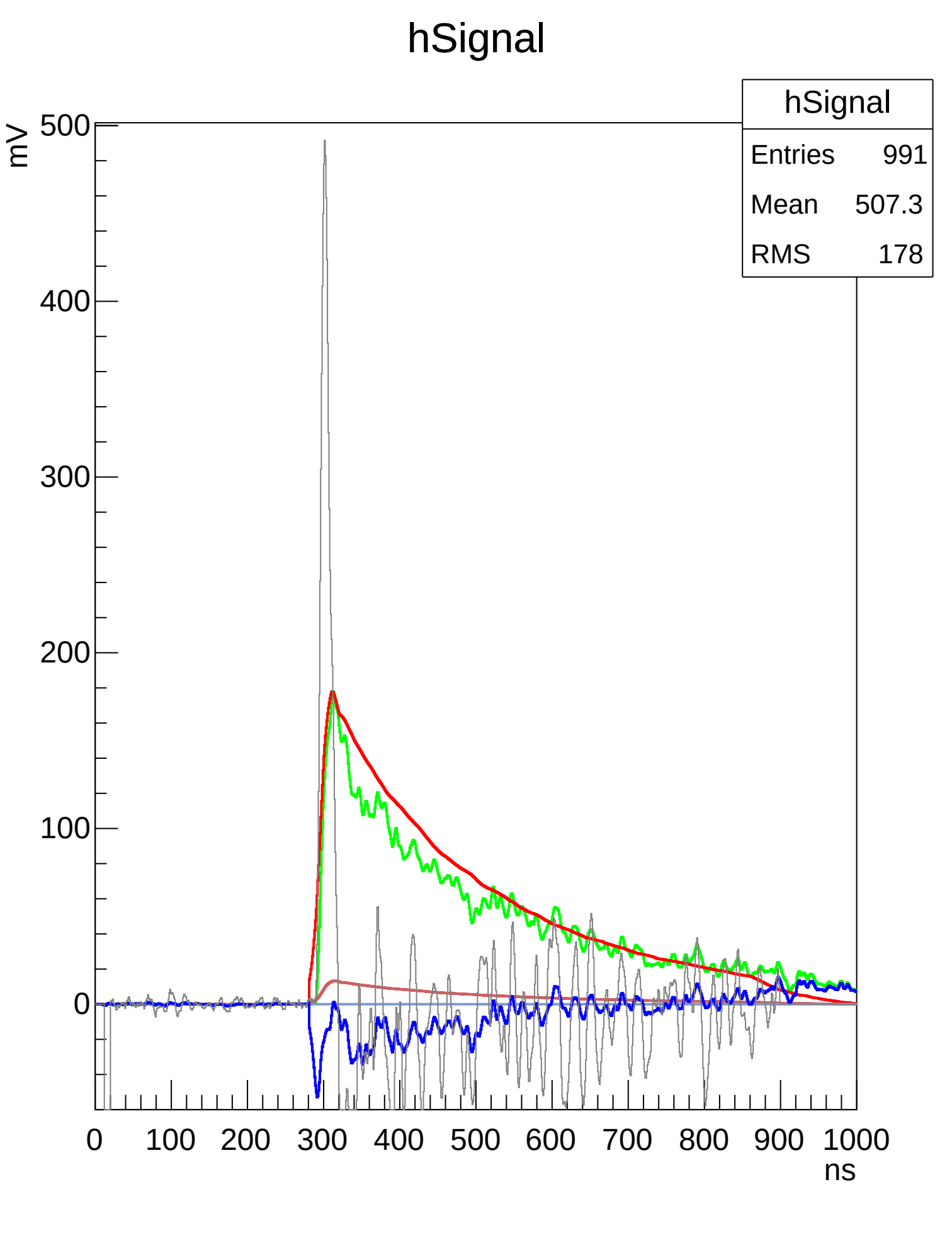

hSignal
hSignal
Entries 991
Mean 547.5
RMS 121.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

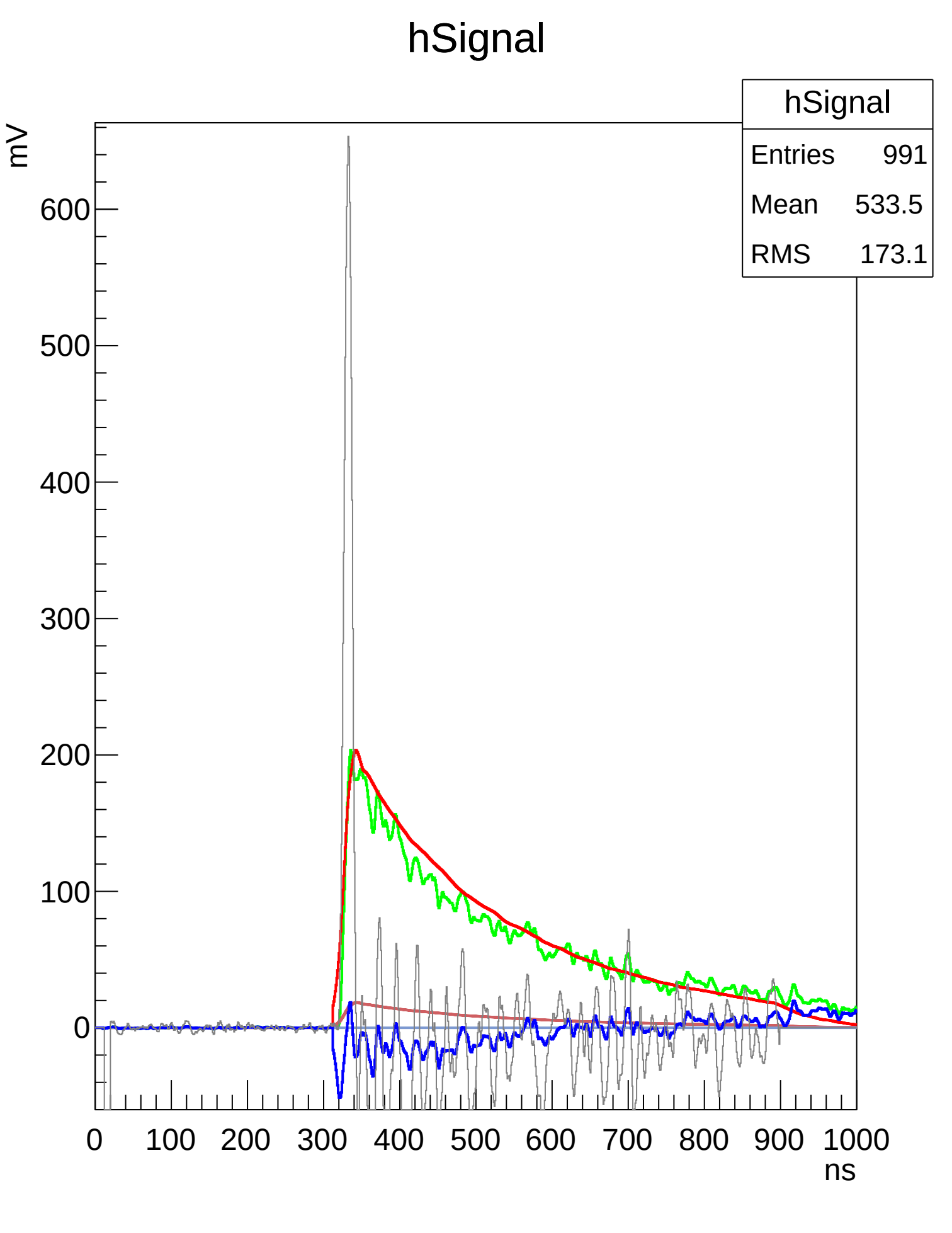

hSignal
hSignal
Entries 991
Mean 481.3
RMS 178.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

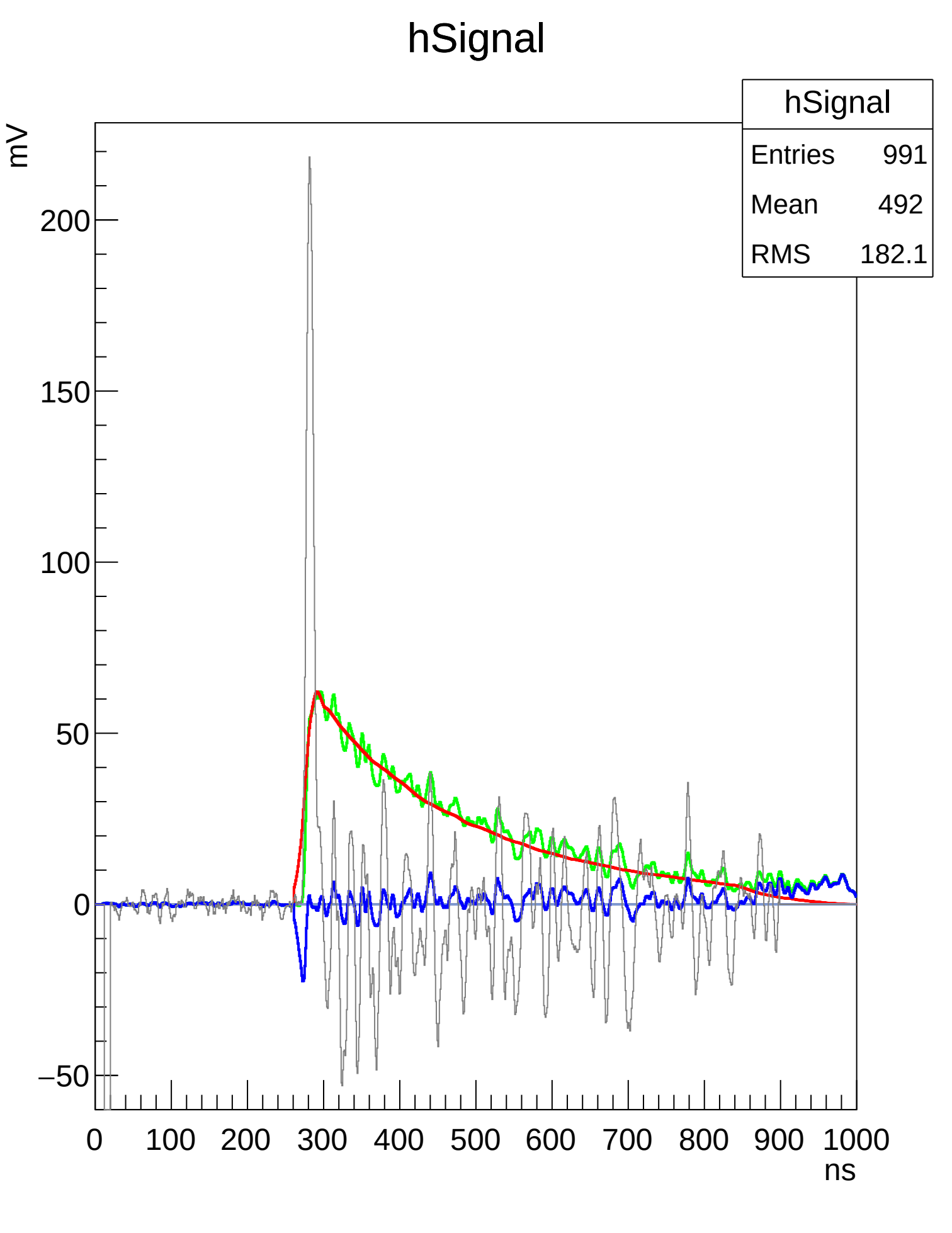

hSignal
hSignal
Entries 991
Mean 498.7
RMS 171.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

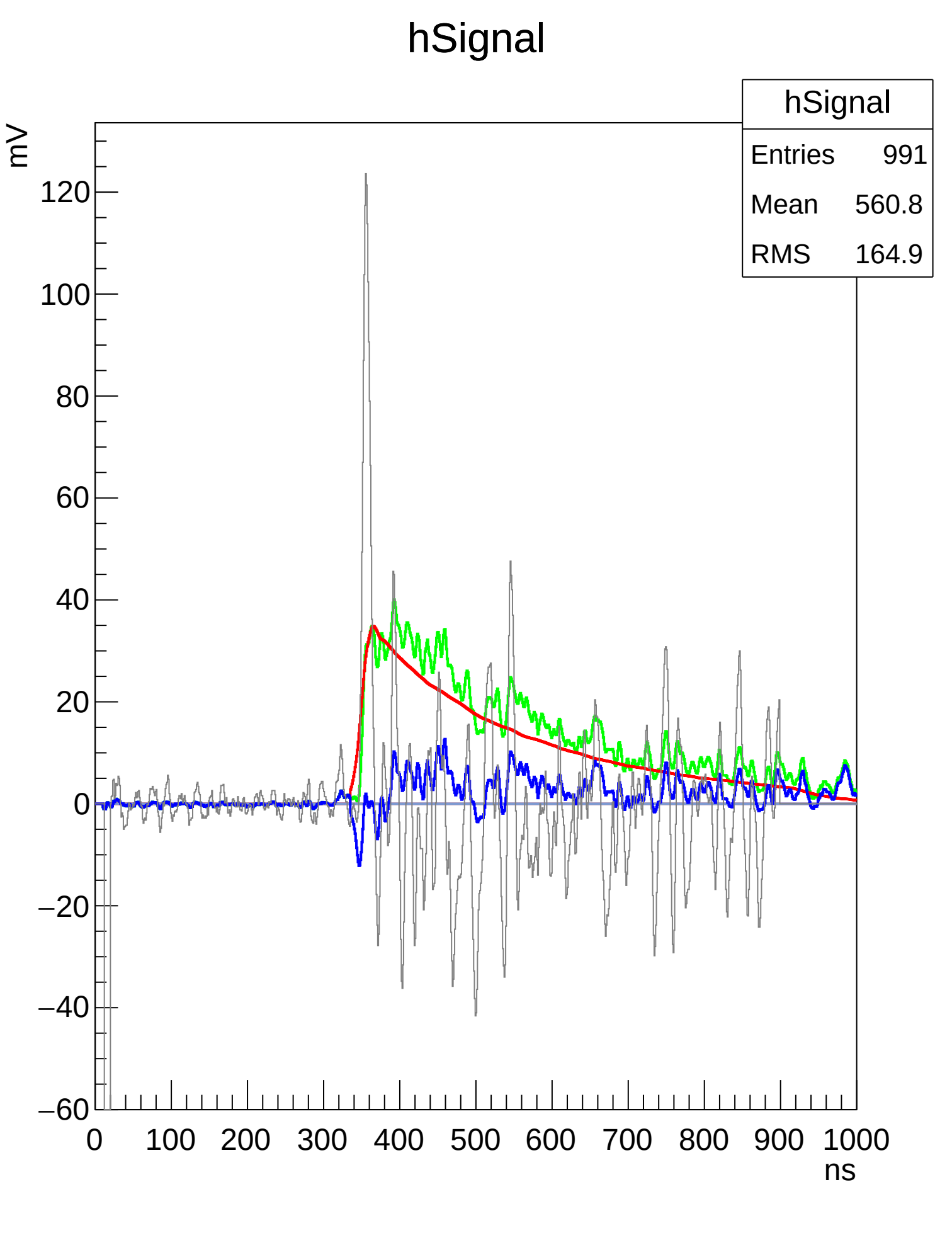

hSignal
hSignal
Entries 991
Mean 505.2
RMS 173.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

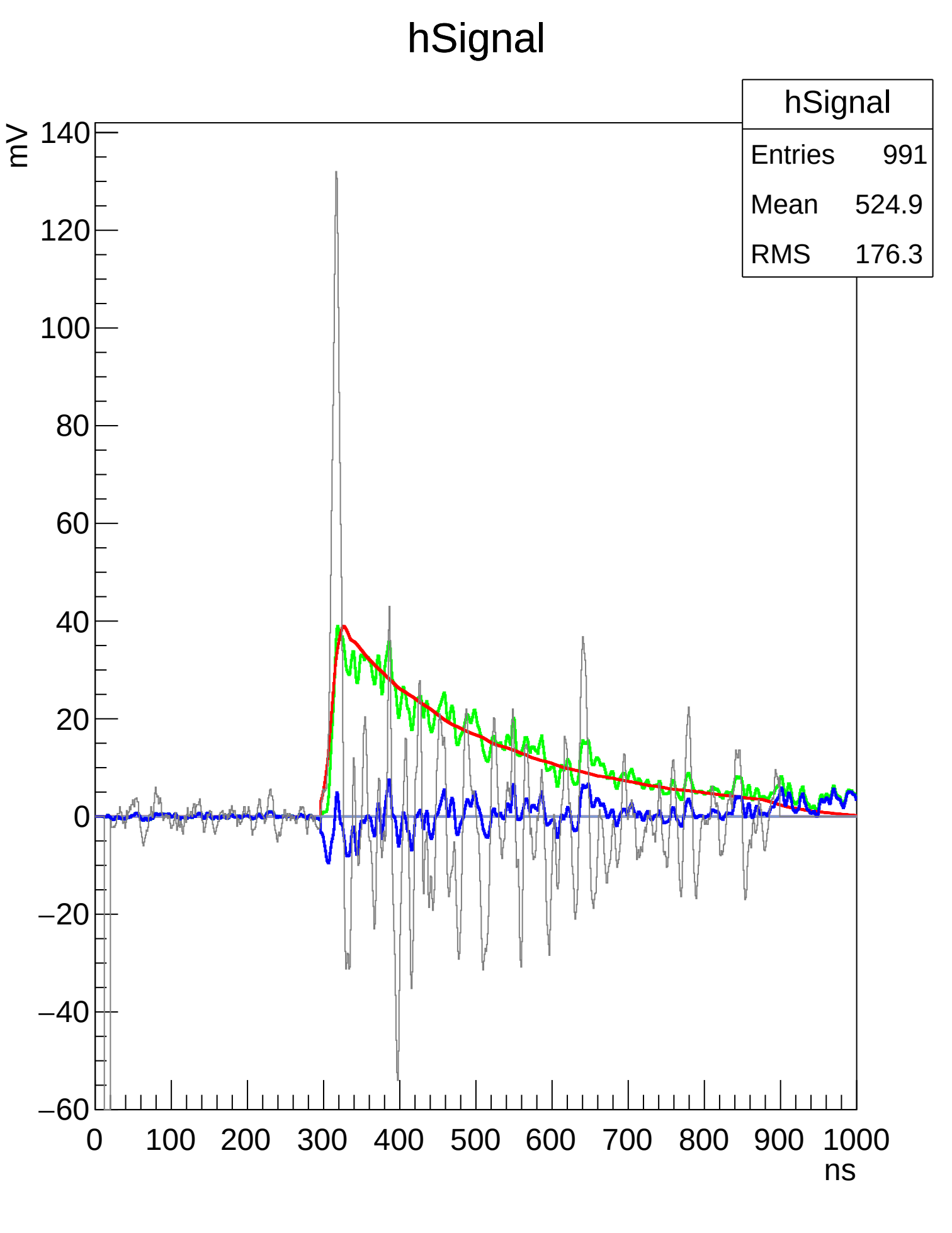

hSignal
hSignal
Entries 991
Mean 503.6
RMS 174.4
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

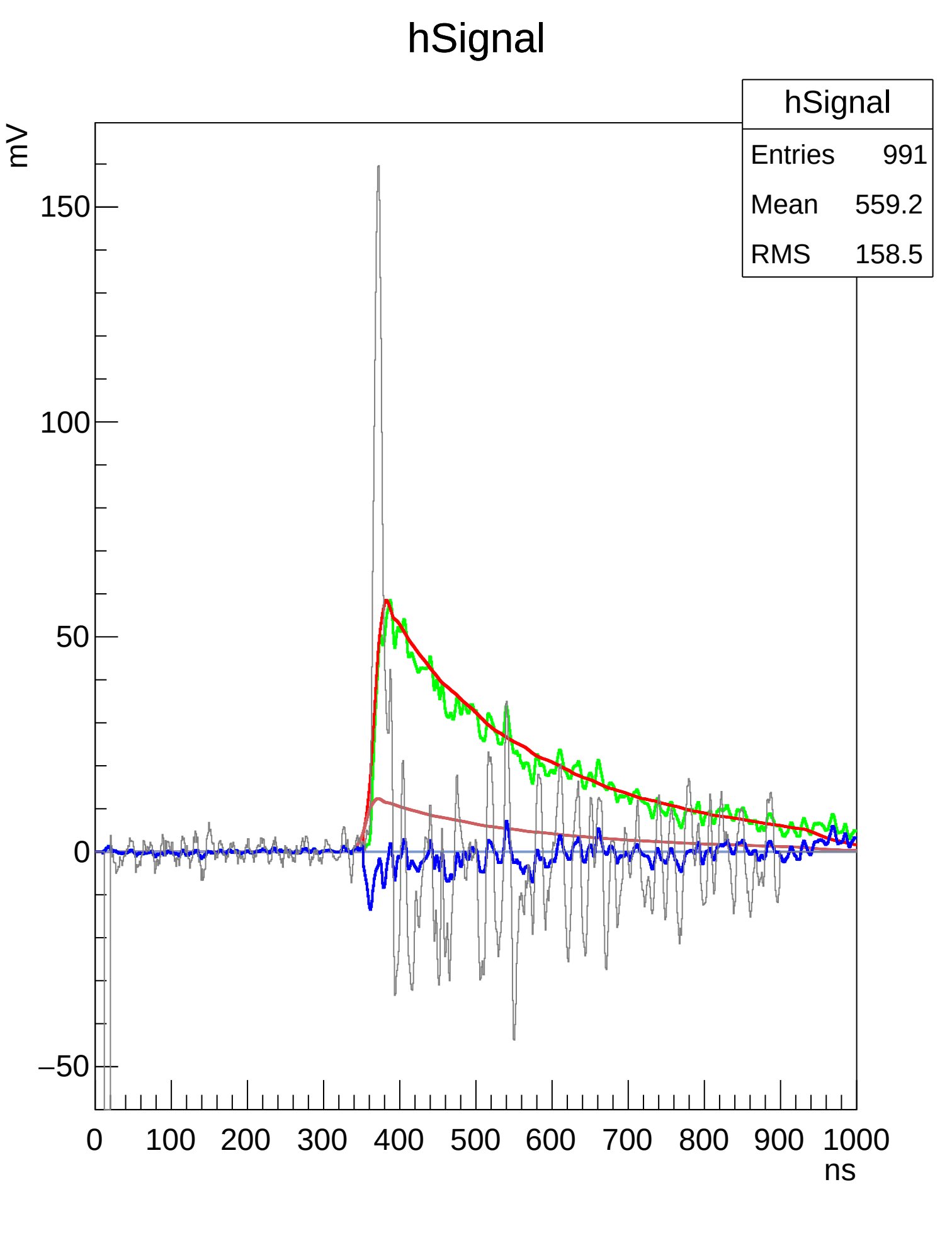

hSignal
hSignal
Entries 991
Mean 507.3
RMS 178
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

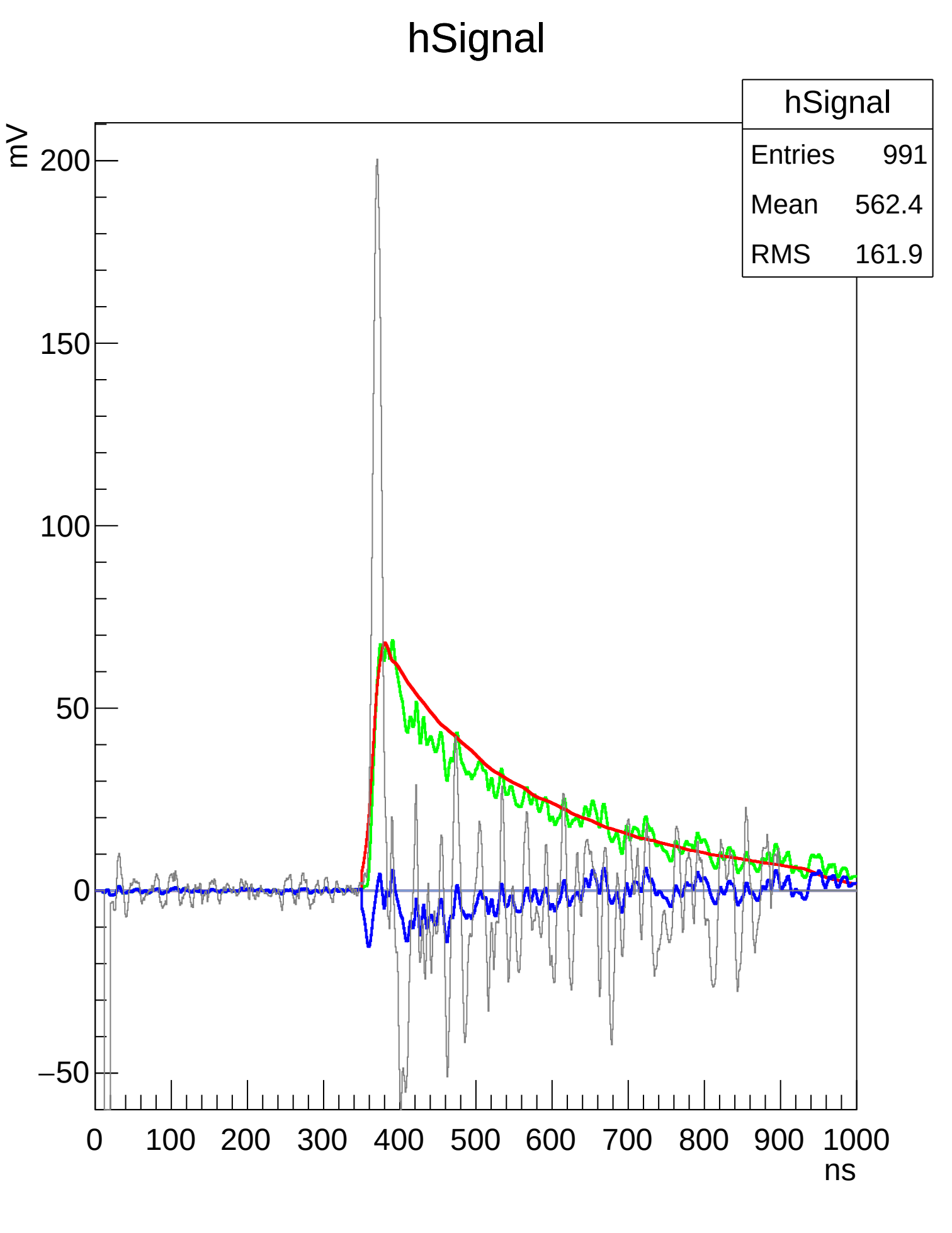

hSignal
hSignal
Entries 991
Mean 533.5
RMS 173.1
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

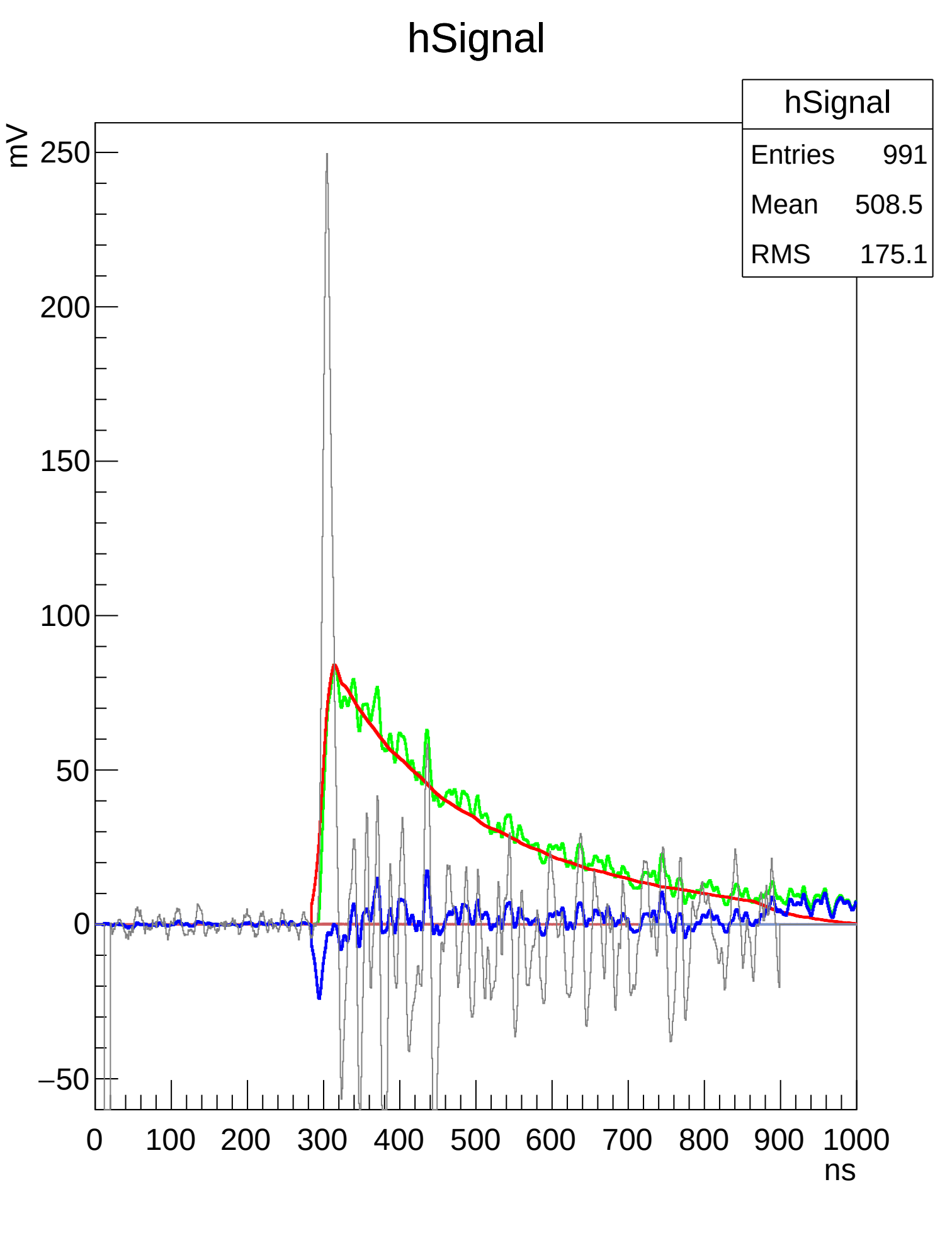

hSignal
hSignal
Entries 991
Mean 492
RMS 182.1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

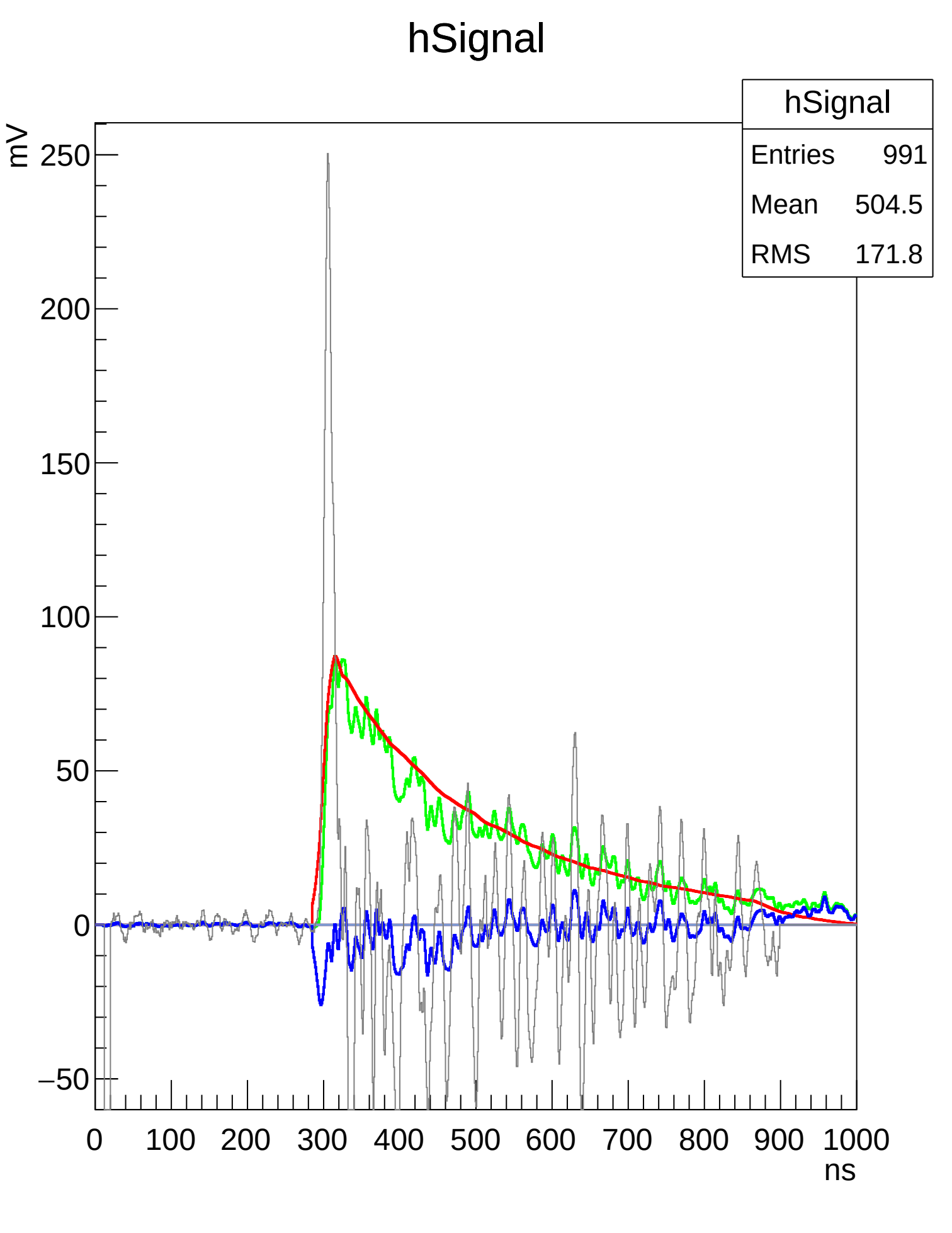

hSignal
hSignal
Entries 991
Mean 560.8
RMS 164.9
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

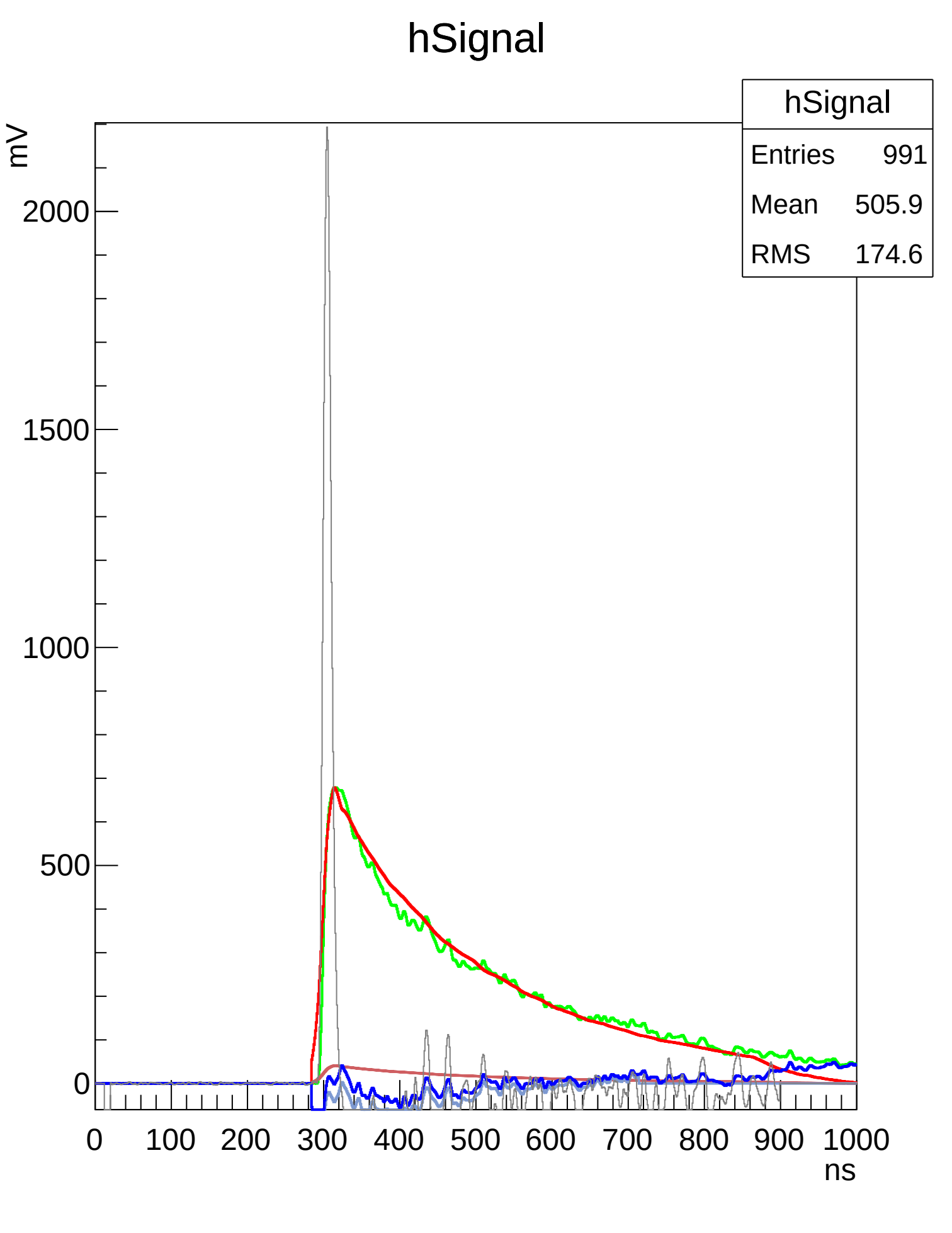

hSignal
hSignal
Entries 991
Mean 524.9
RMS 176.3
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

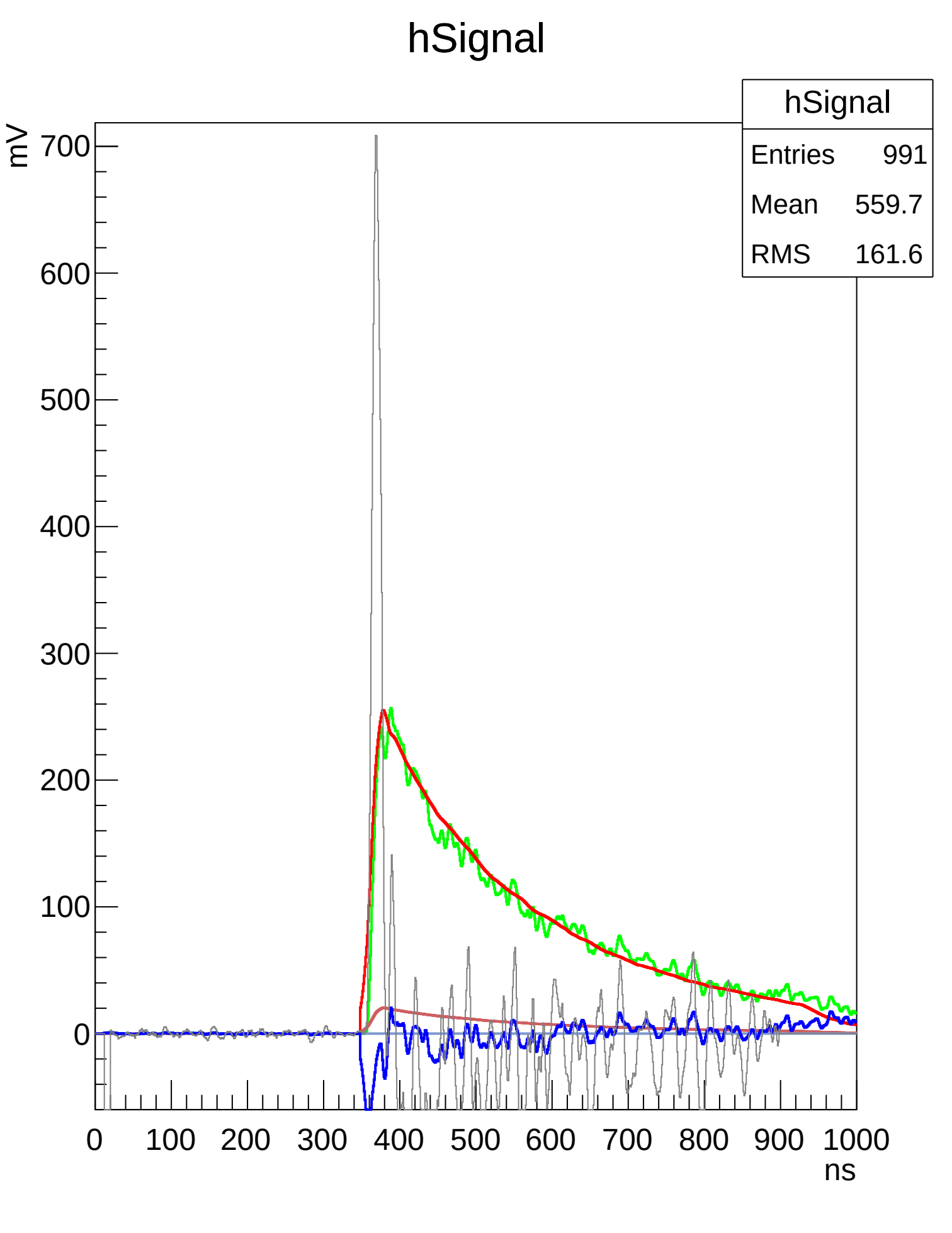

hSignal
hSignal
Entries 991
Mean 559.2
RMS 158.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

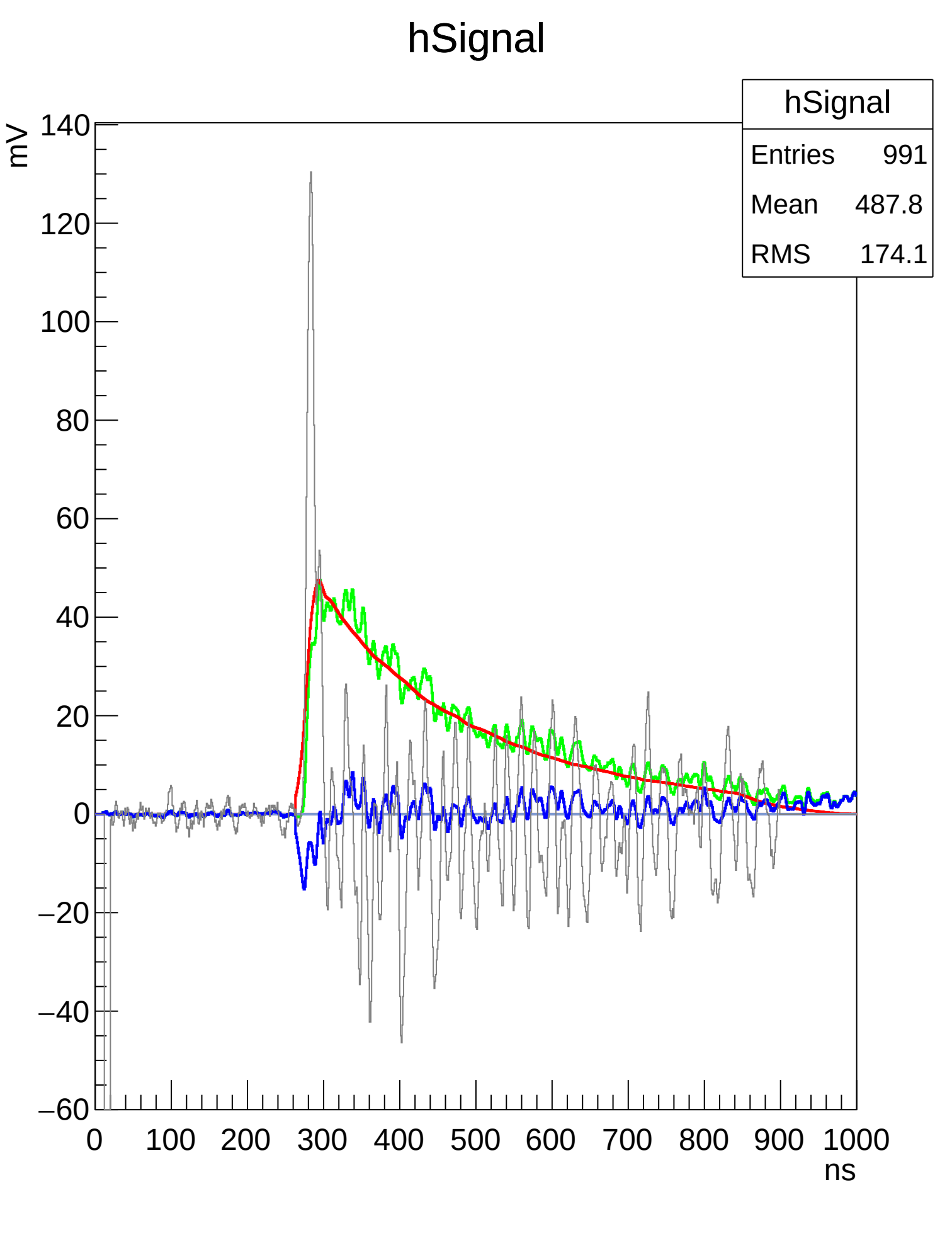

hSignal
hSignal
Entries 991
Mean 562.4
RMS 161.9
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

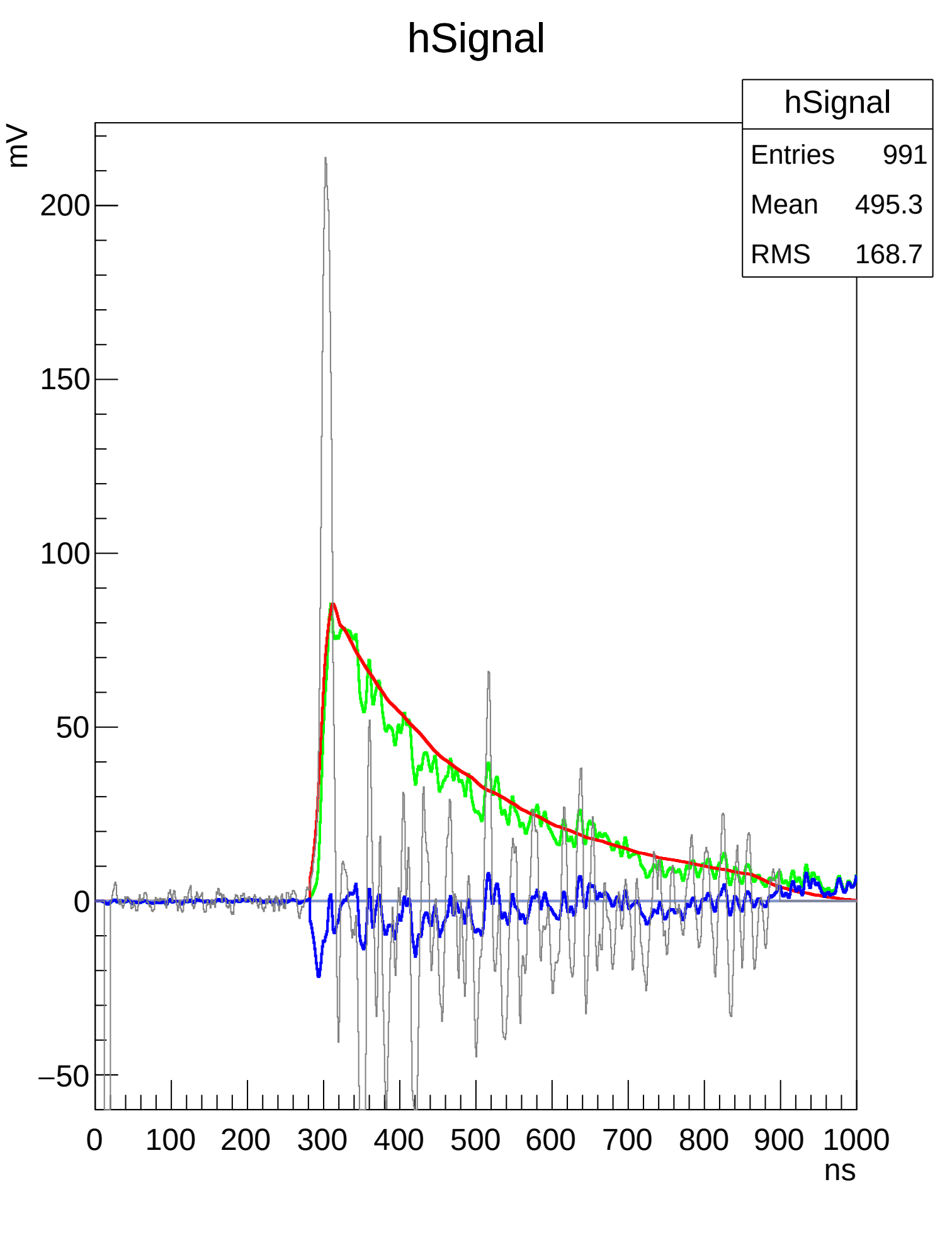

hSignal
hSignal
Entries 991
Mean 508.5
RMS 175.1
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

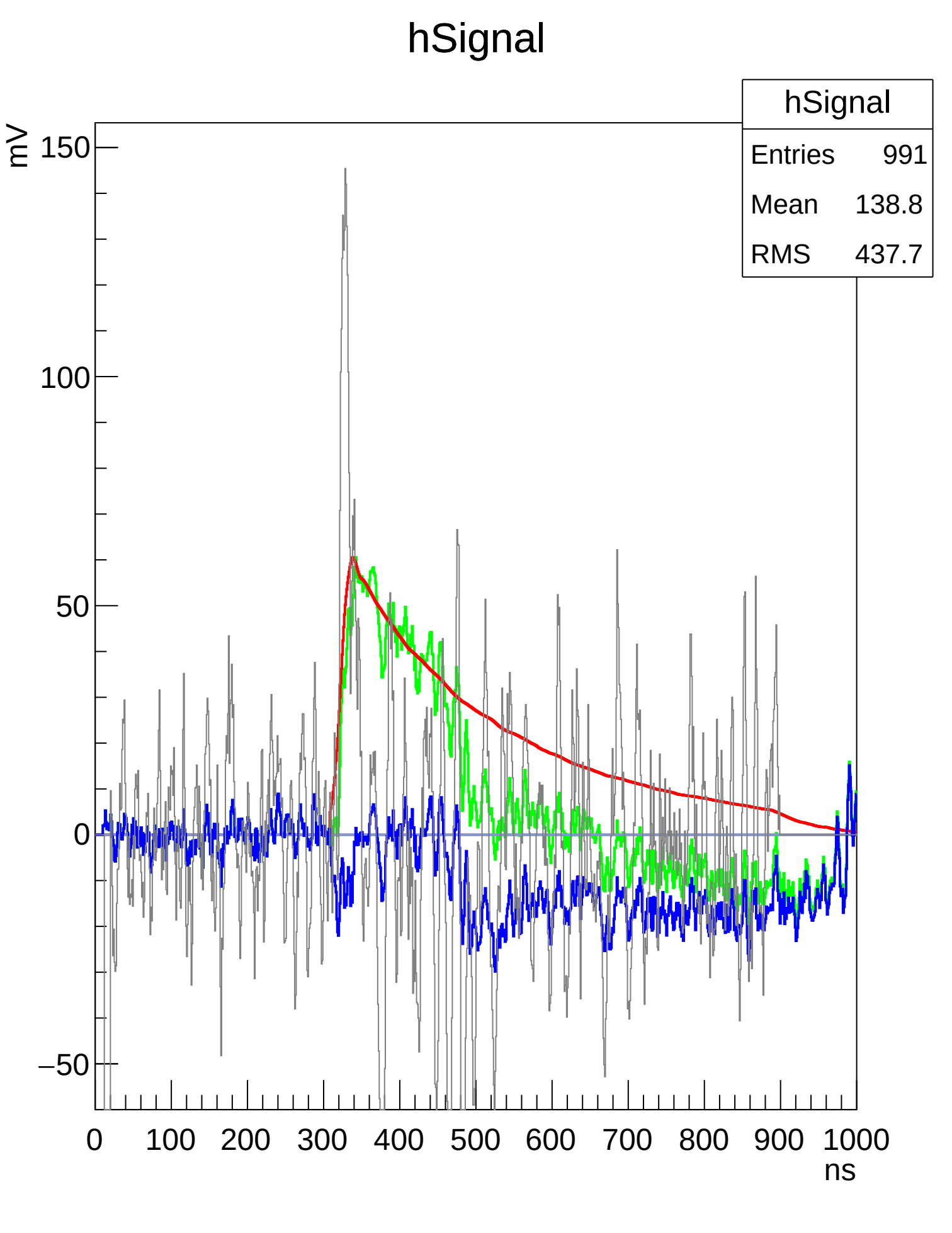

hSignal
hSignal
Entries 991
Mean 504.5
RMS 171.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

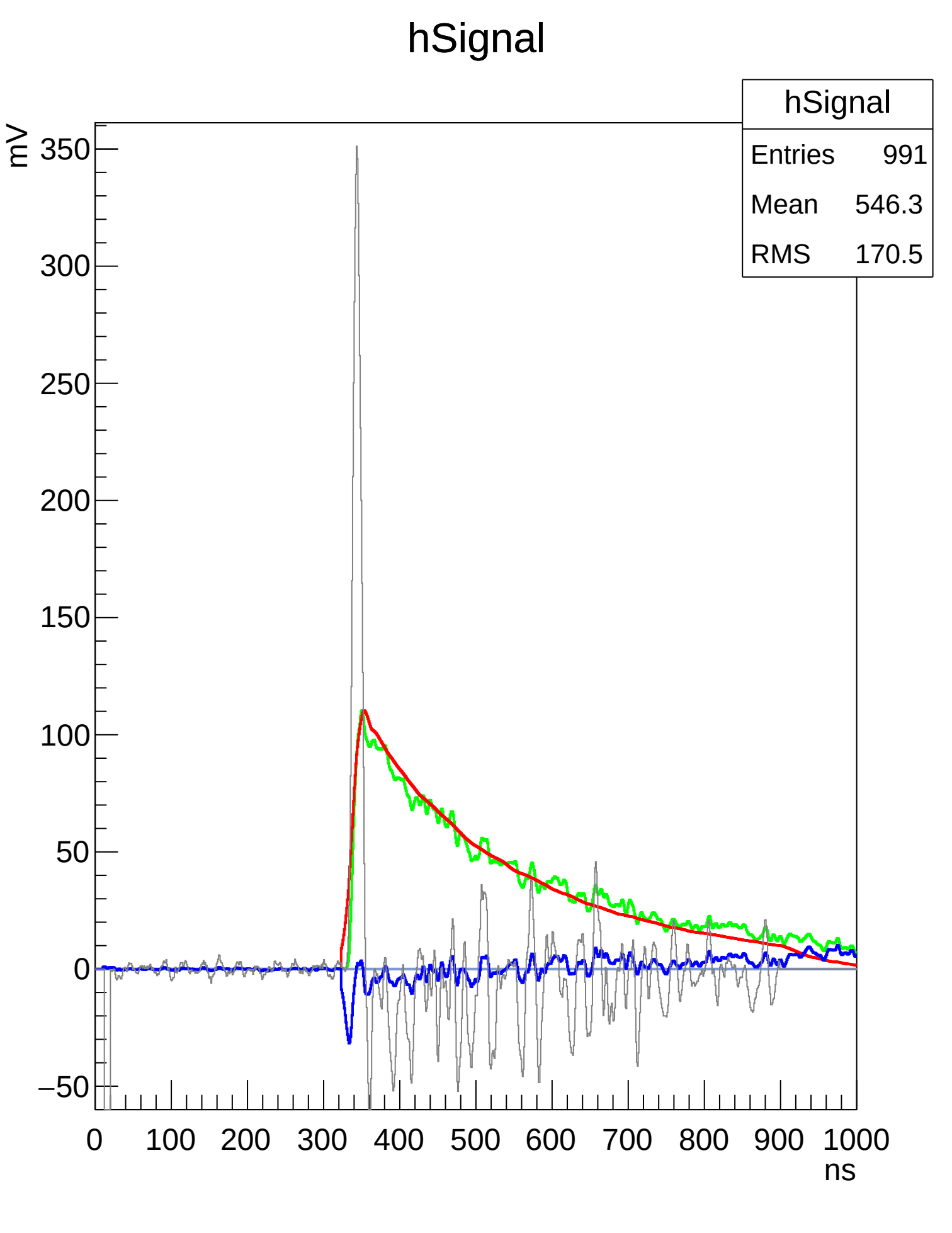

hSignal
hSignal
Entries 991
Mean 505.9
RMS 174.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

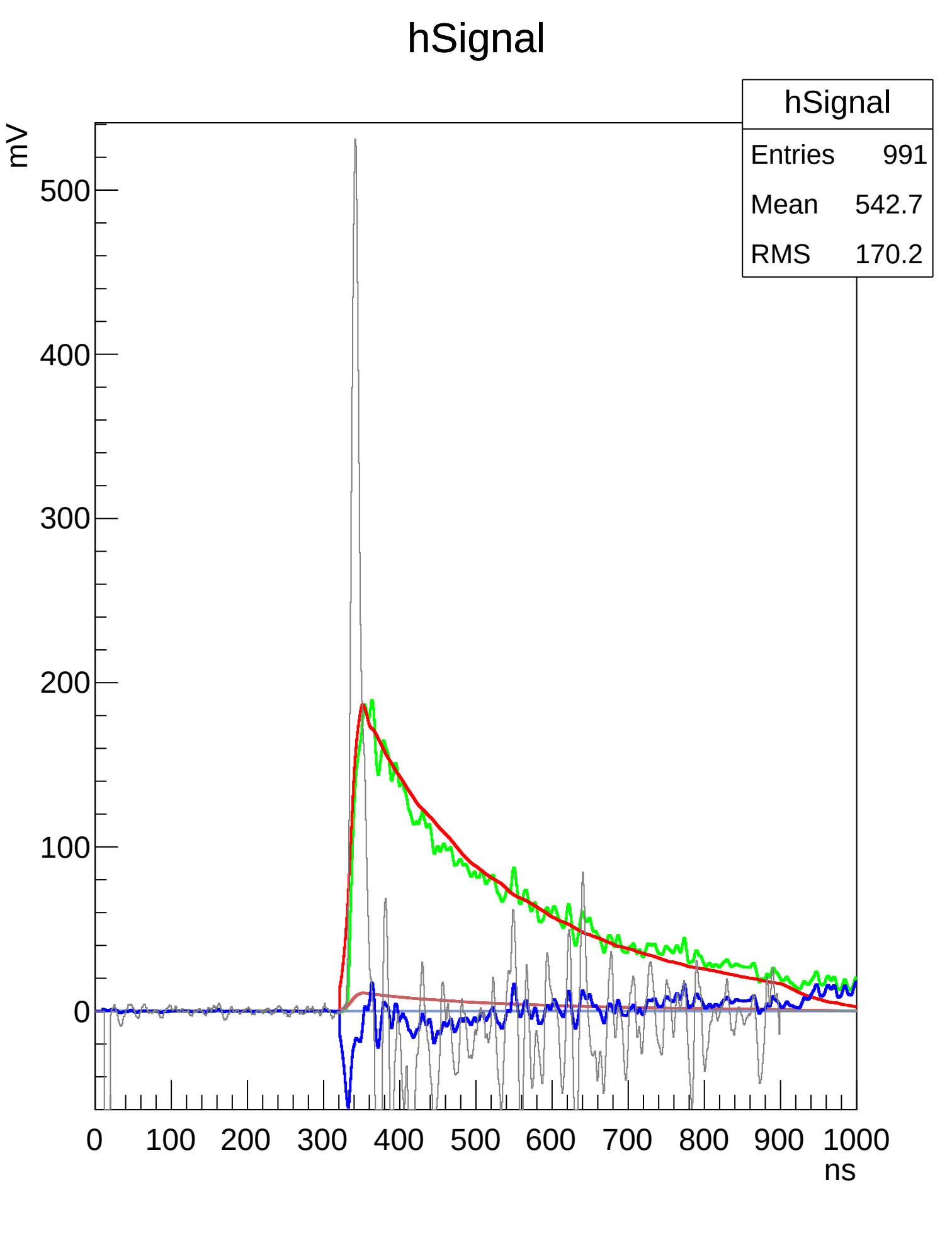

hSignal
hSignal
Entries 991
Mean 559.7
RMS 161.6
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

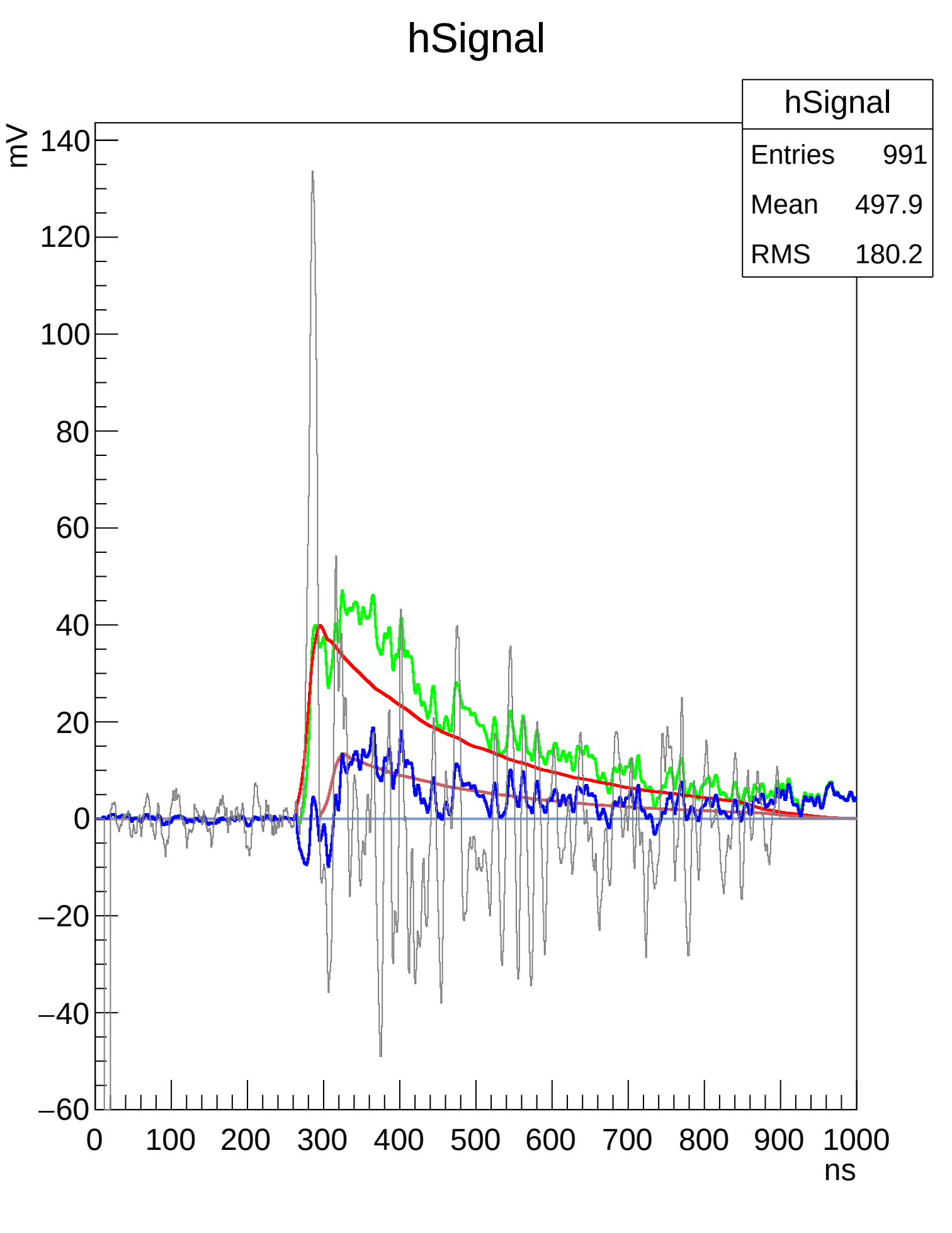

hSignal
hSignal
Entries 991
Mean 487.8
RMS 174.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

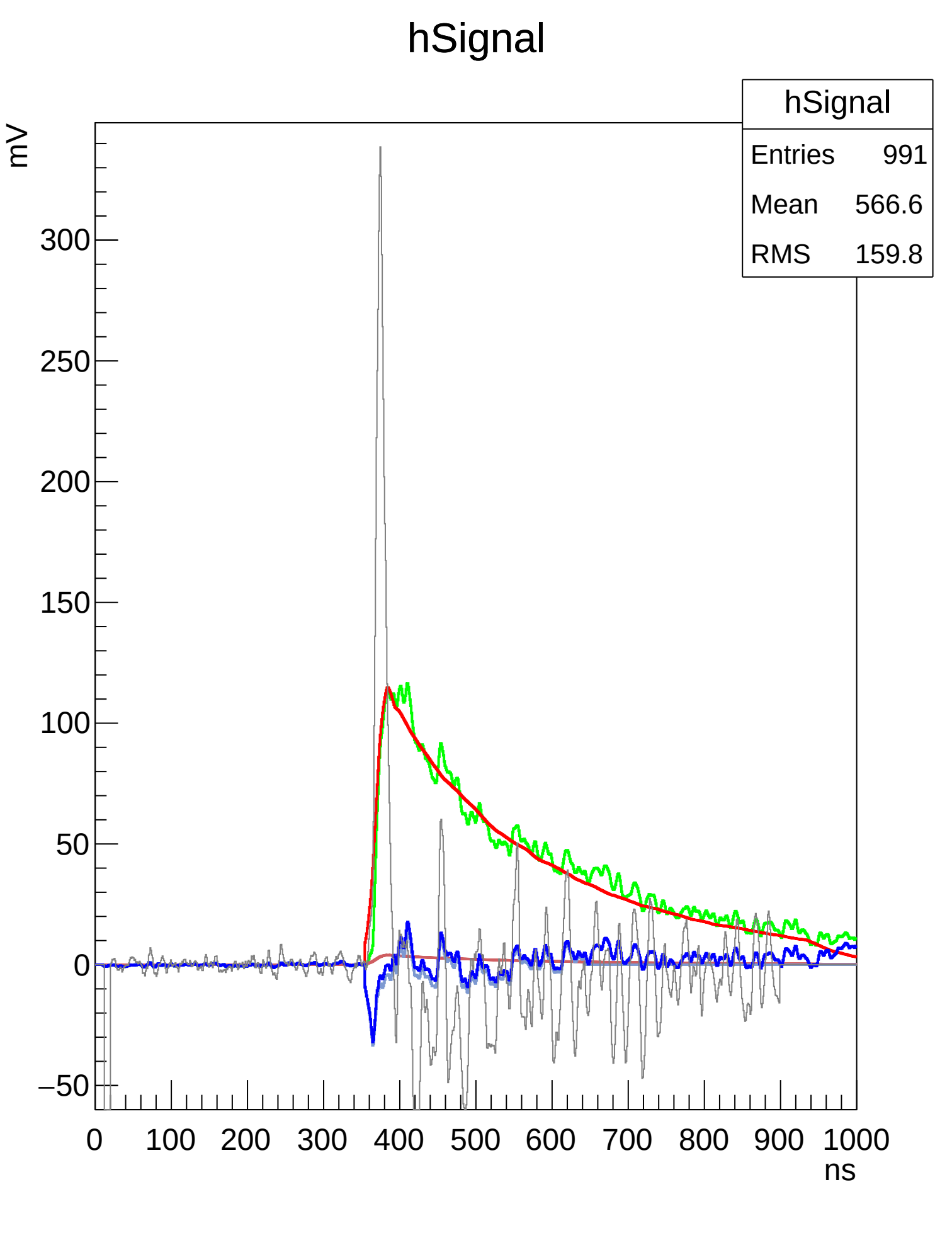

hSignal
hSignal
Entries 991
Mean 495.3
RMS 168.7
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

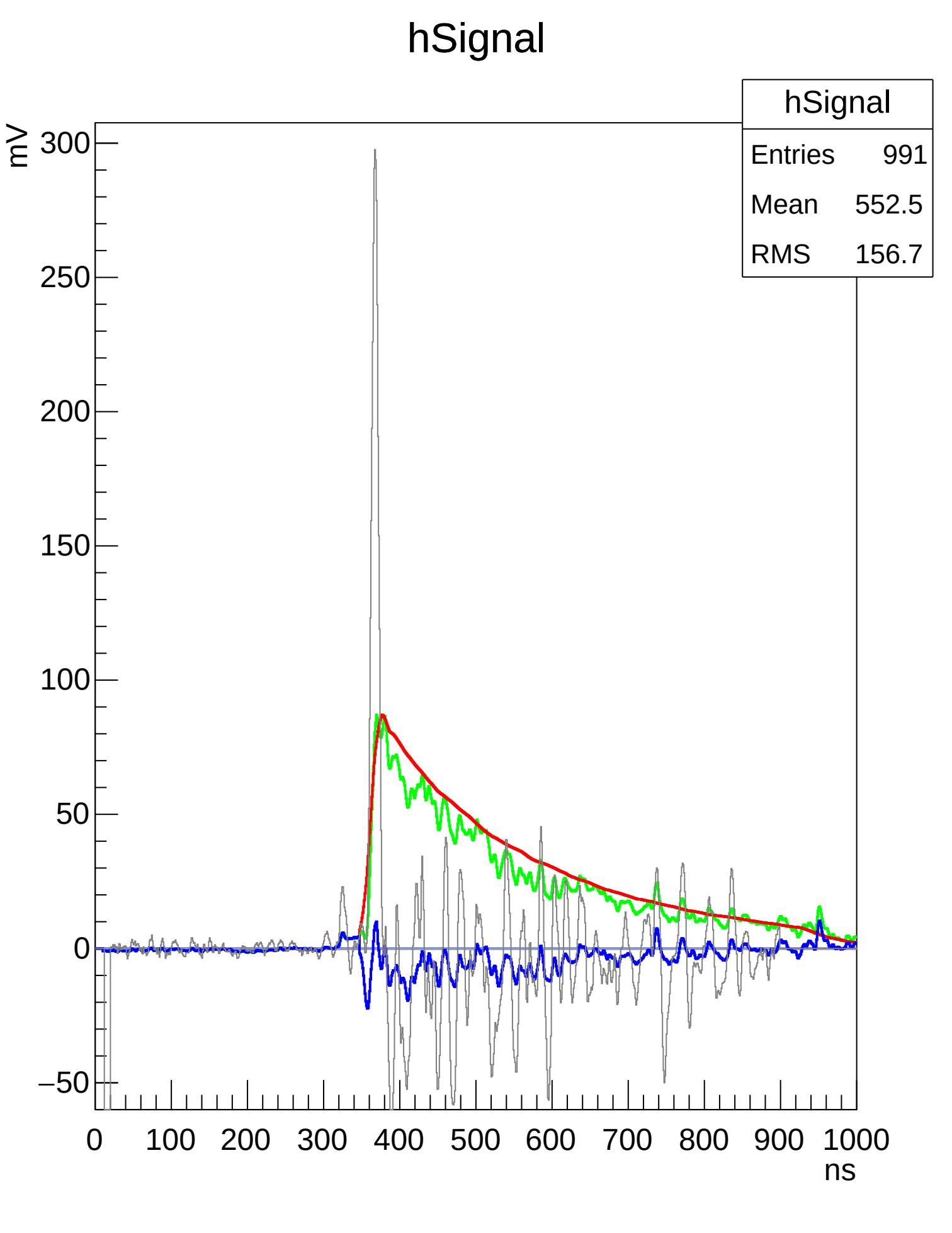

hSignal
hSignal
Entries 991
Mean 138.8
RMS 437.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

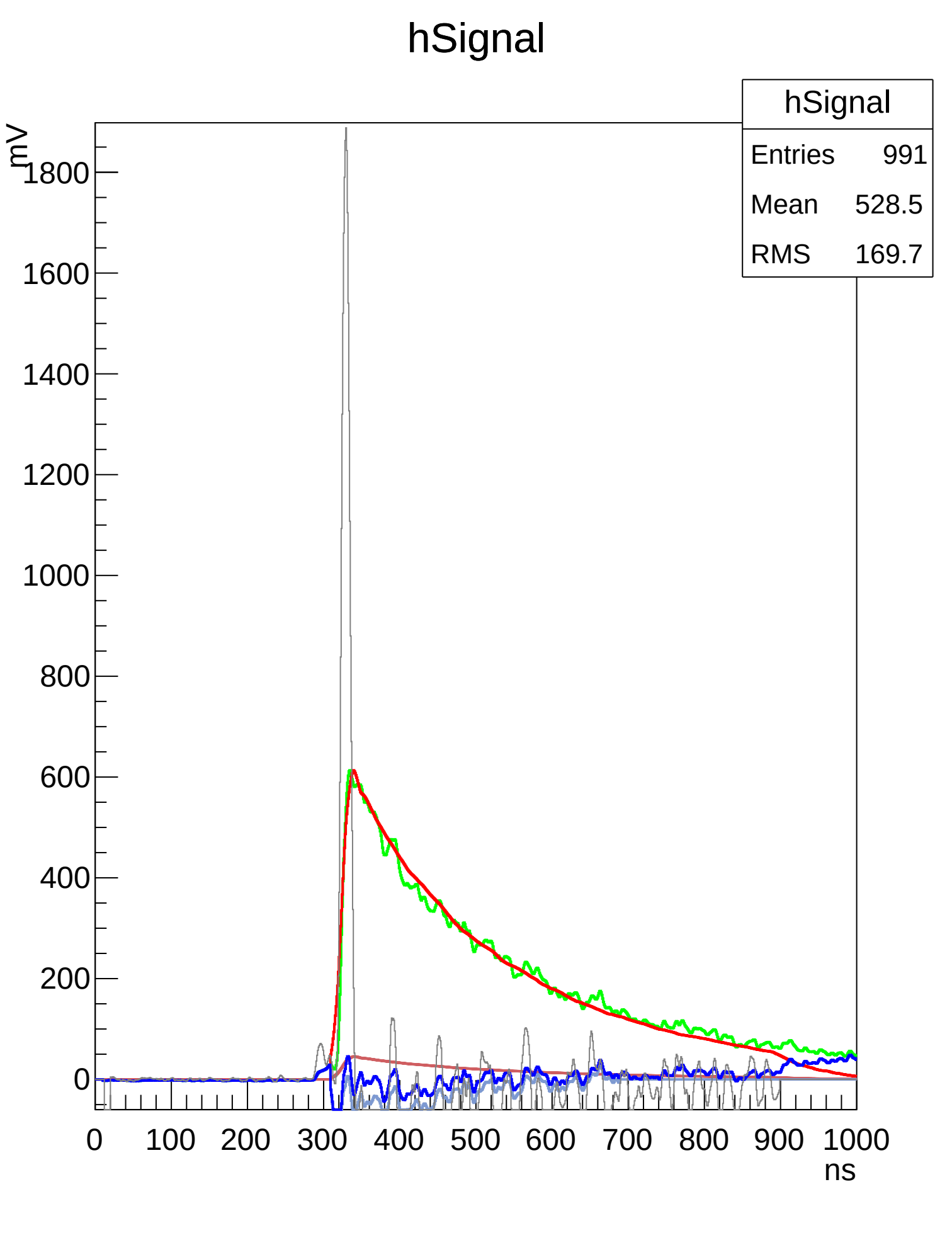

hSignal
hSignal
Entries 991
Mean 546.3
RMS 170.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

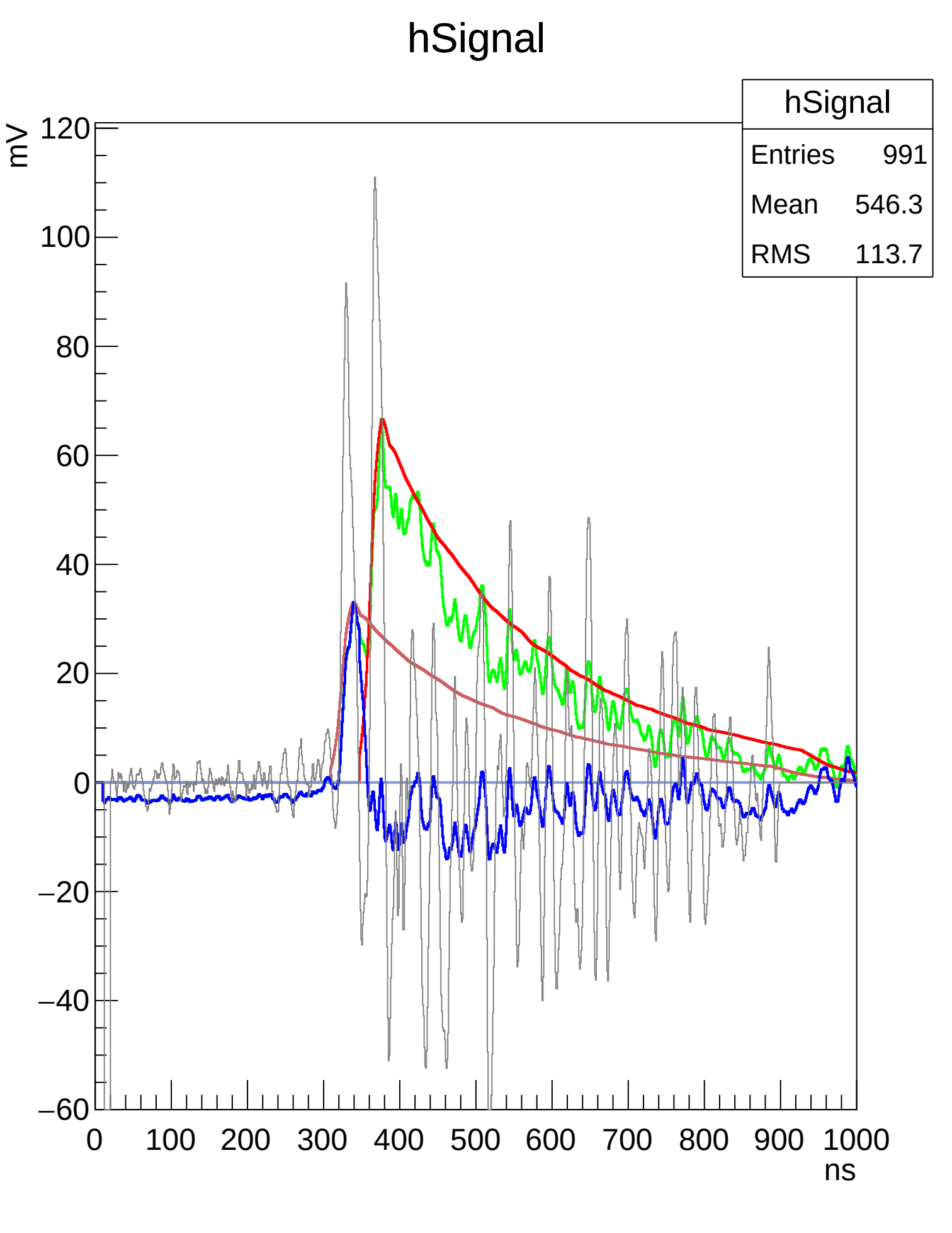

hSignal
hSignal
Entries 991
Mean 542.7
RMS 170.2
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

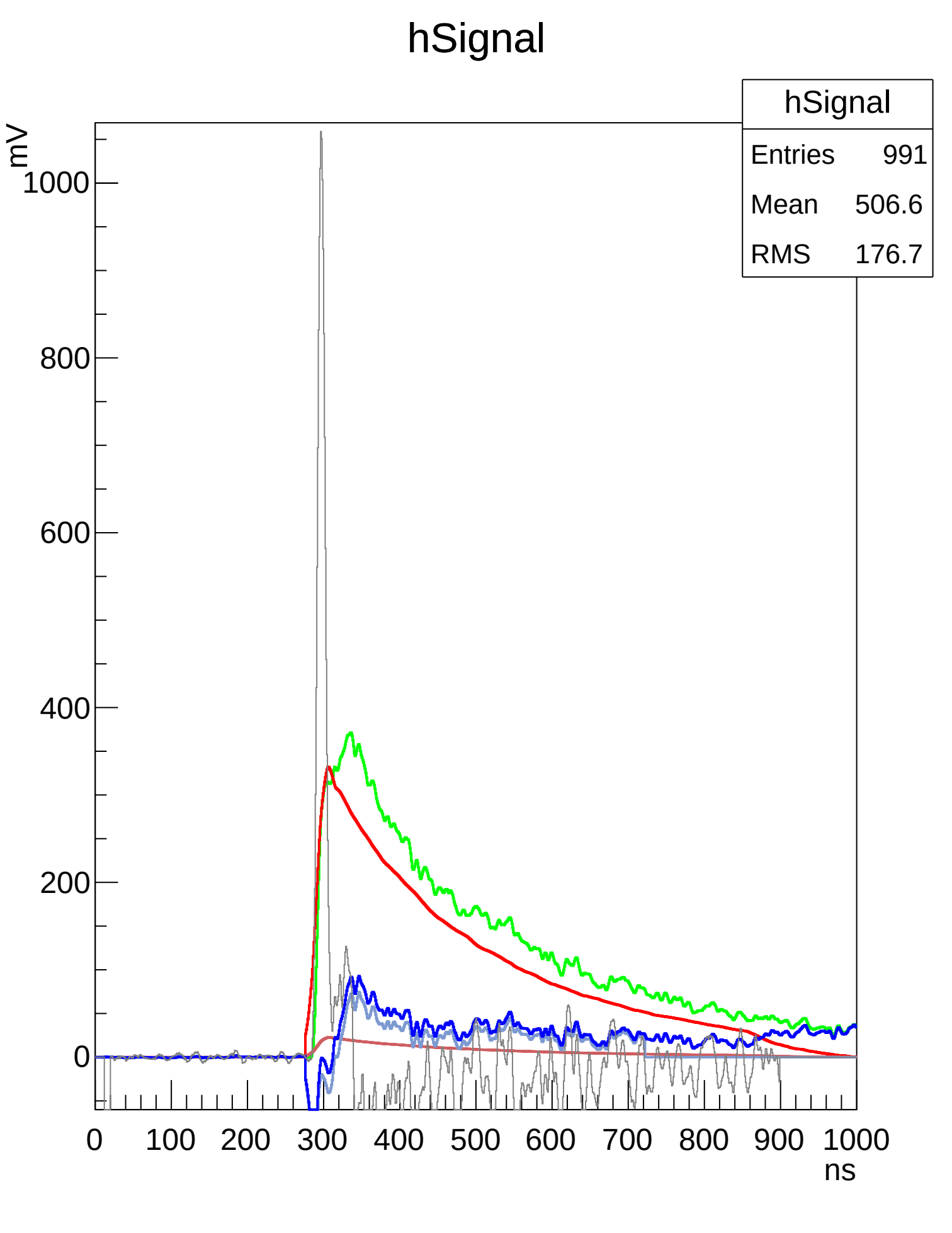

hSignal
hSignal
Entries 991
Mean 497.9
RMS 180.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

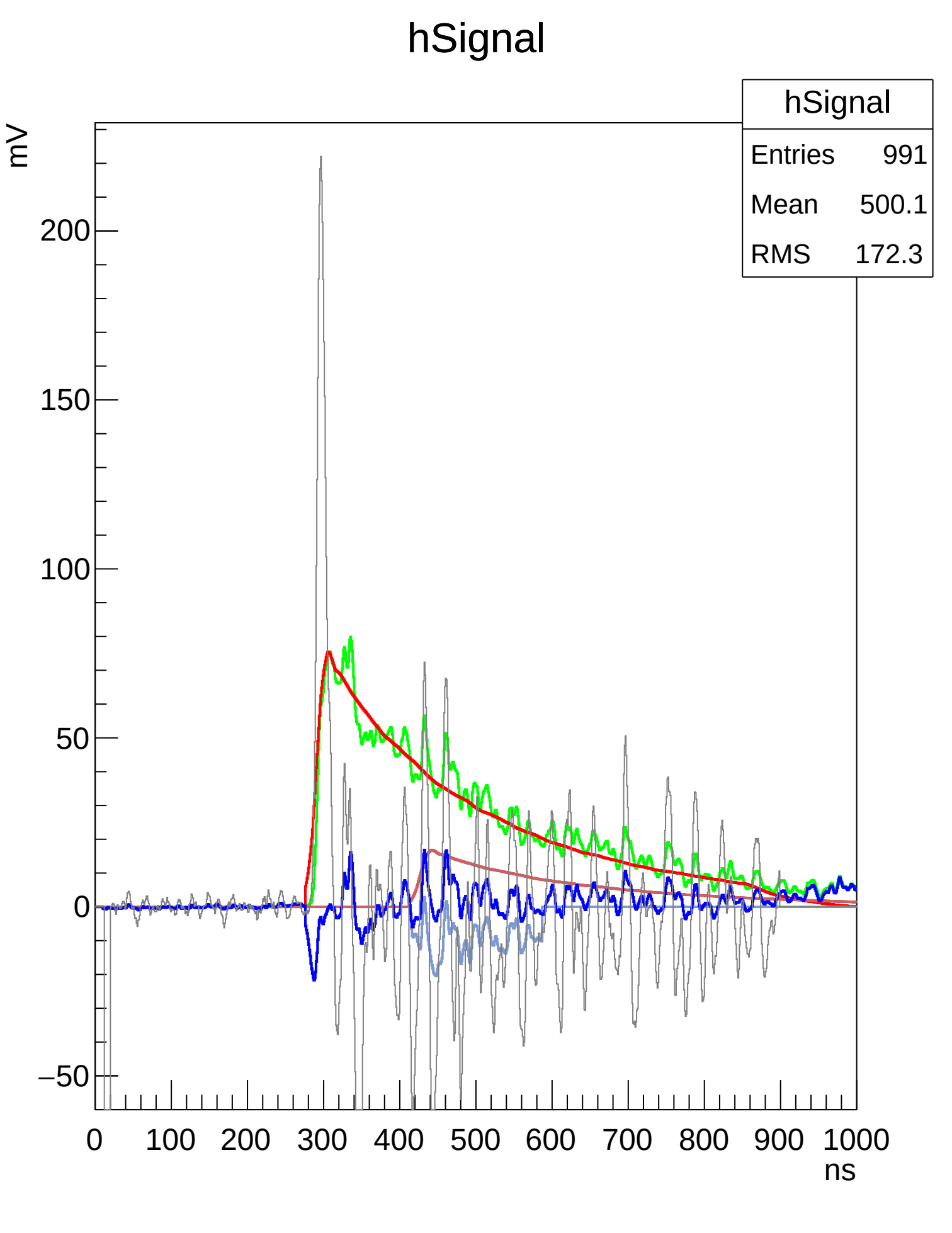

hSignal
hSignal
Entries 991
Mean 566.6
RMS 159.8
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

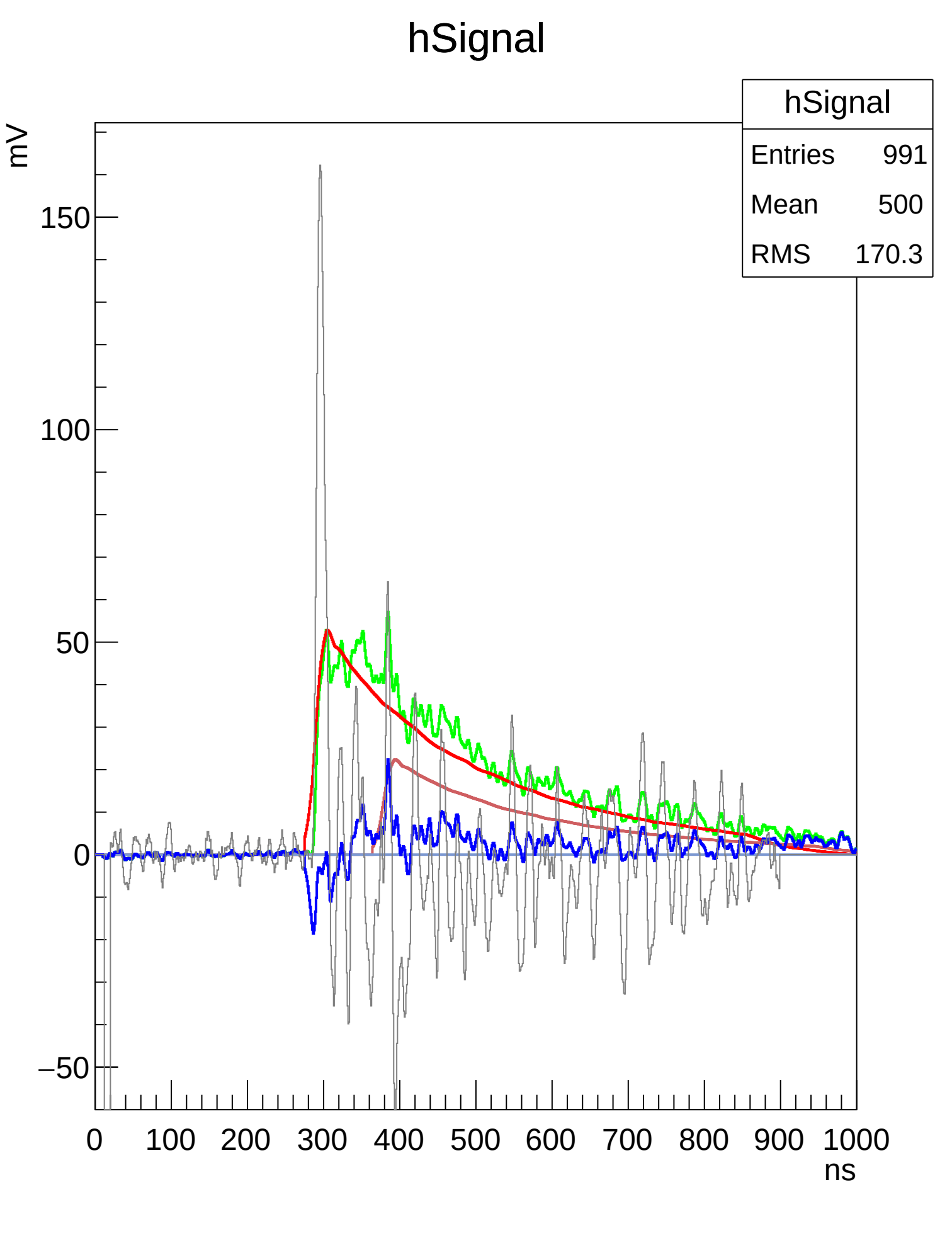

hSignal
hSignal
Entries 991
Mean 552.5
RMS 156.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

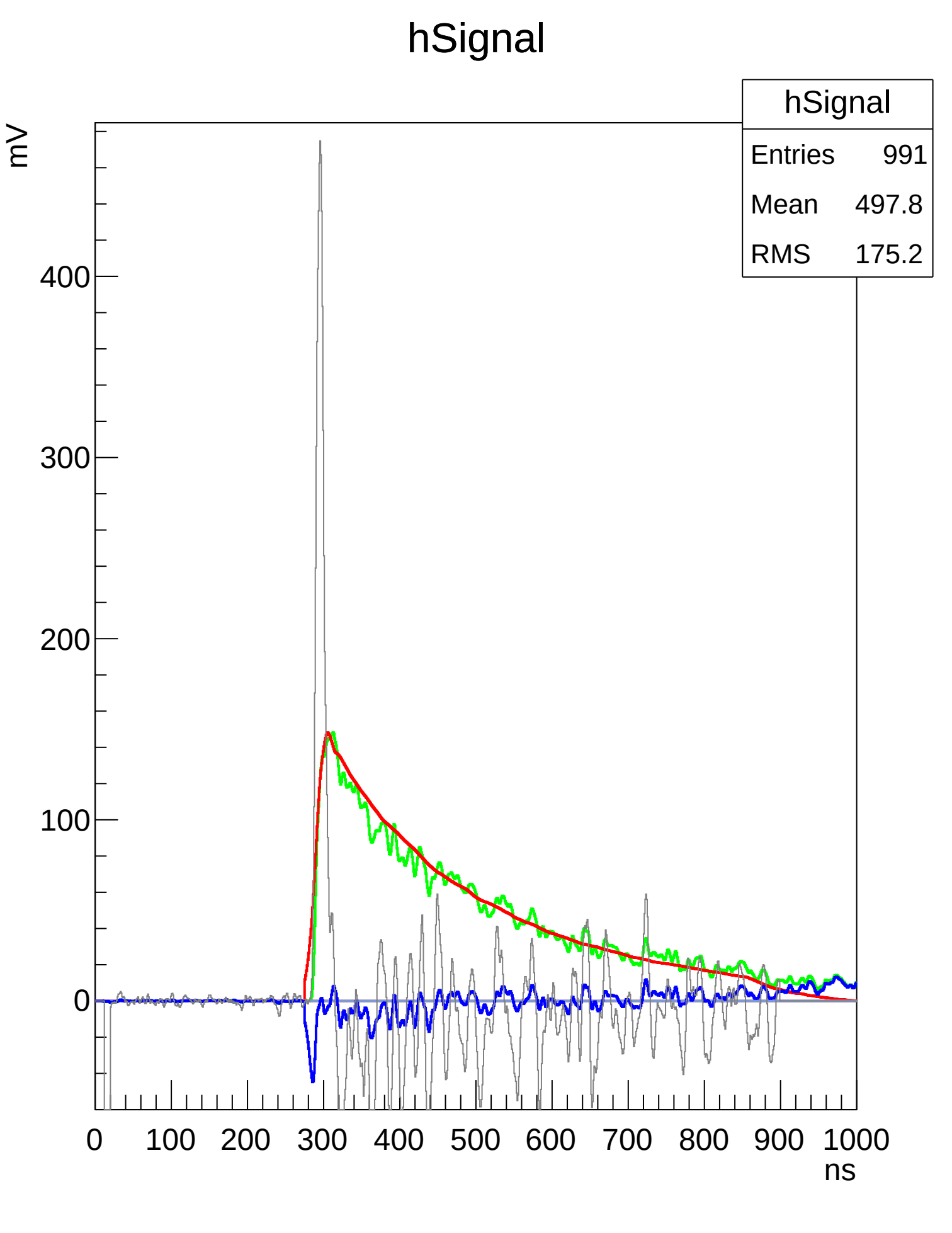

hSignal
hSignal
Entries 991
Mean 528.5
RMS 169.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

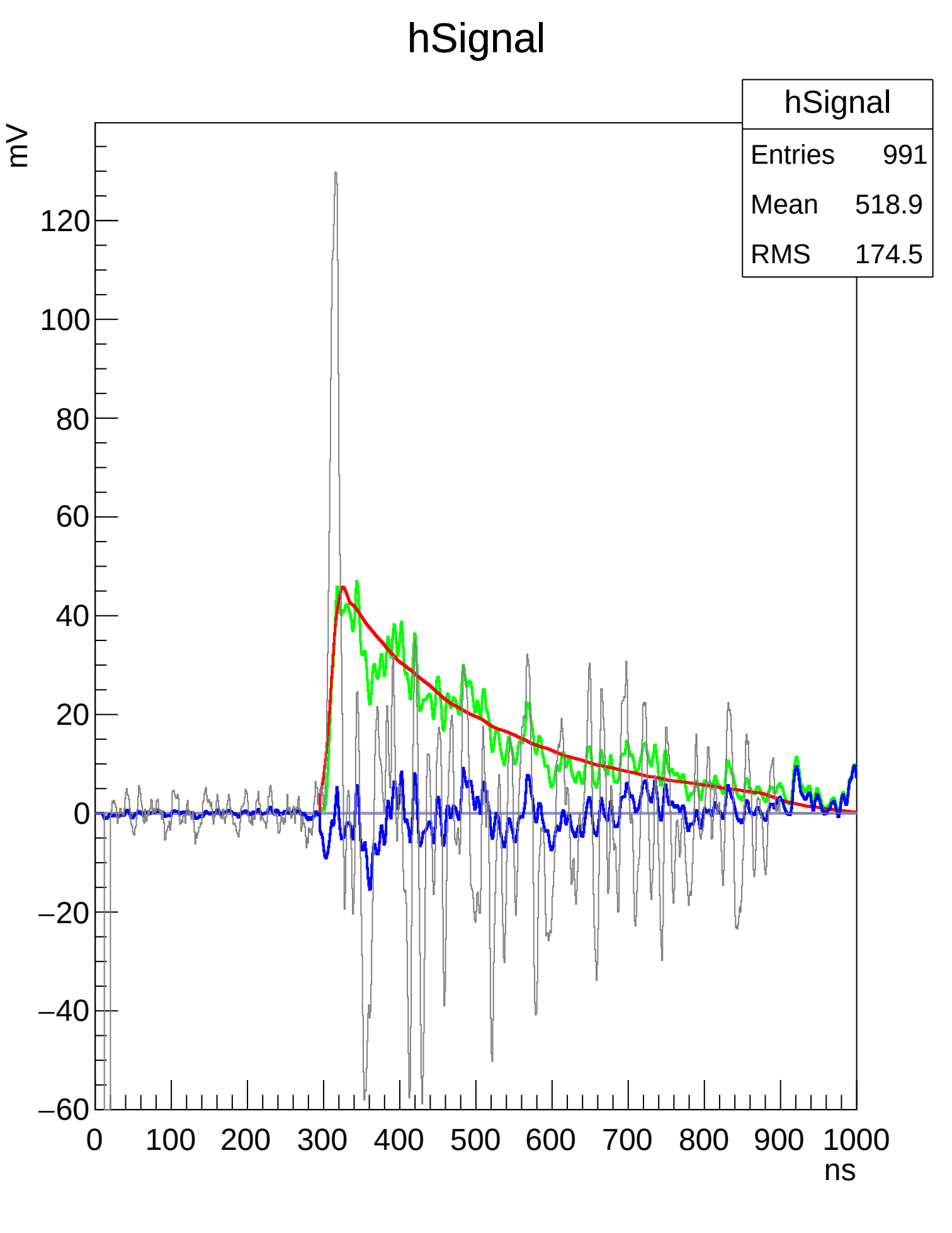

hSignal
hSignal
Entries 991
Mean 546.3
RMS 113.7
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

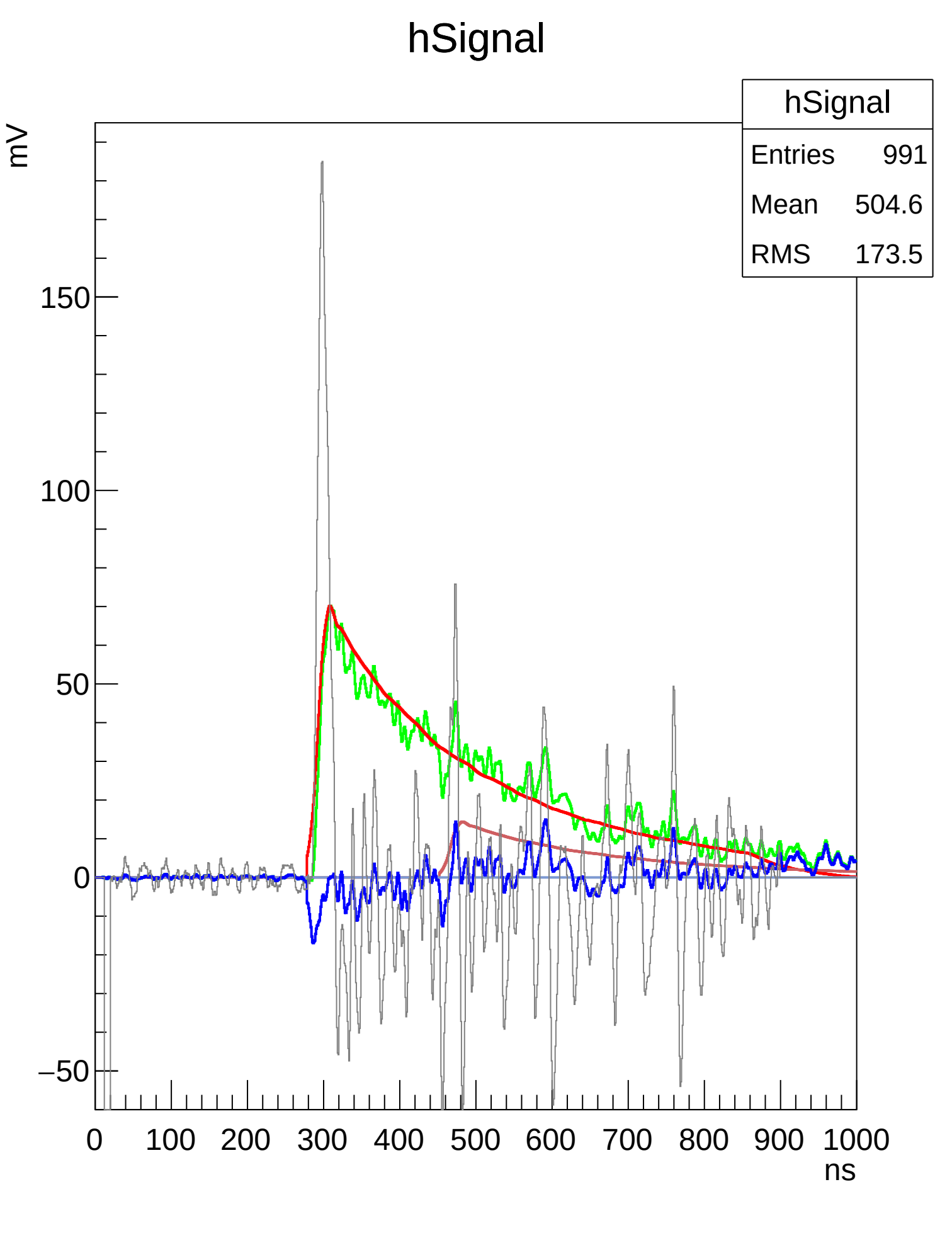

hSignal
hSignal
Entries 991
Mean 506.6
RMS 176.7
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

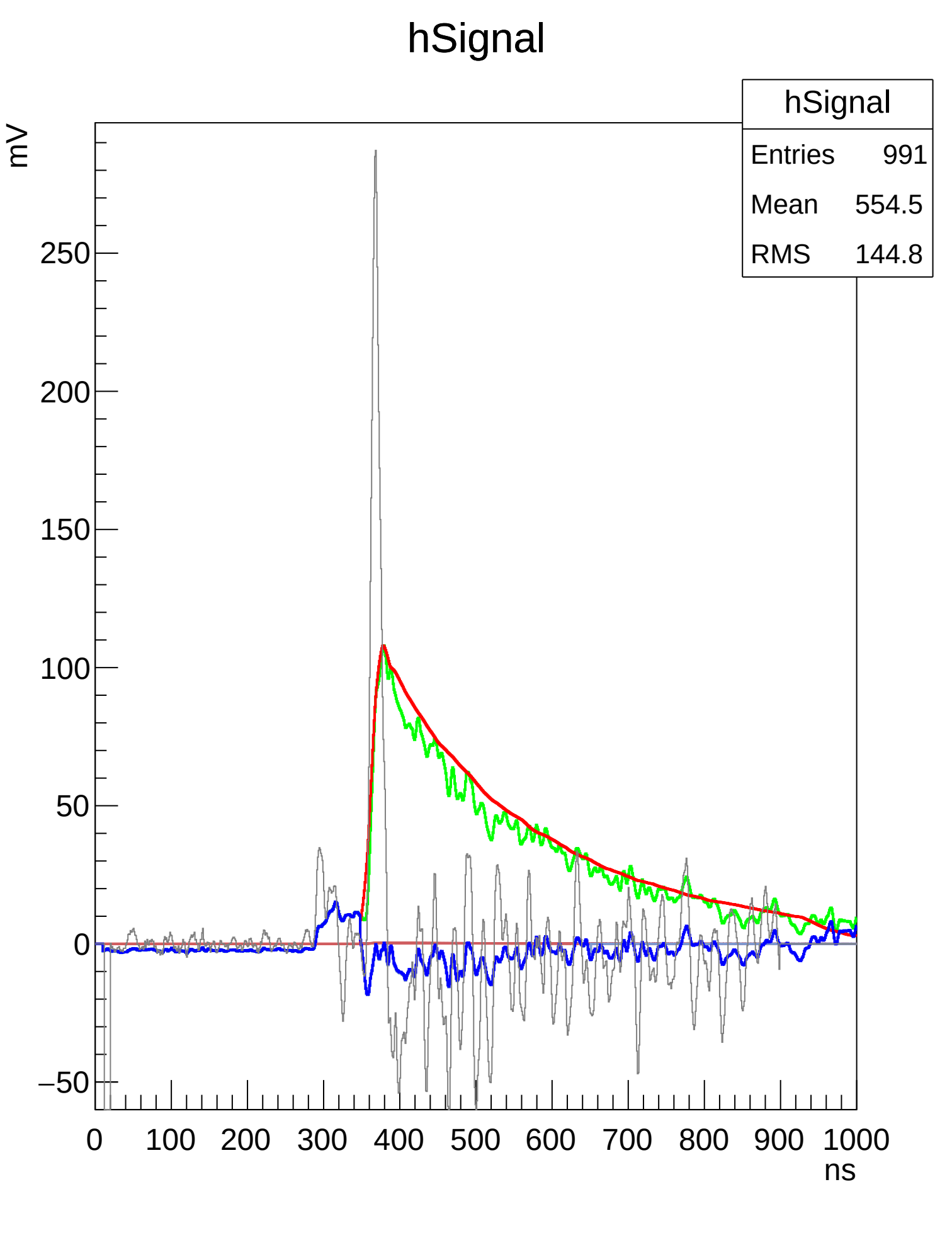

hSignal
hSignal
Entries 991
Mean 500.1
RMS 172.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

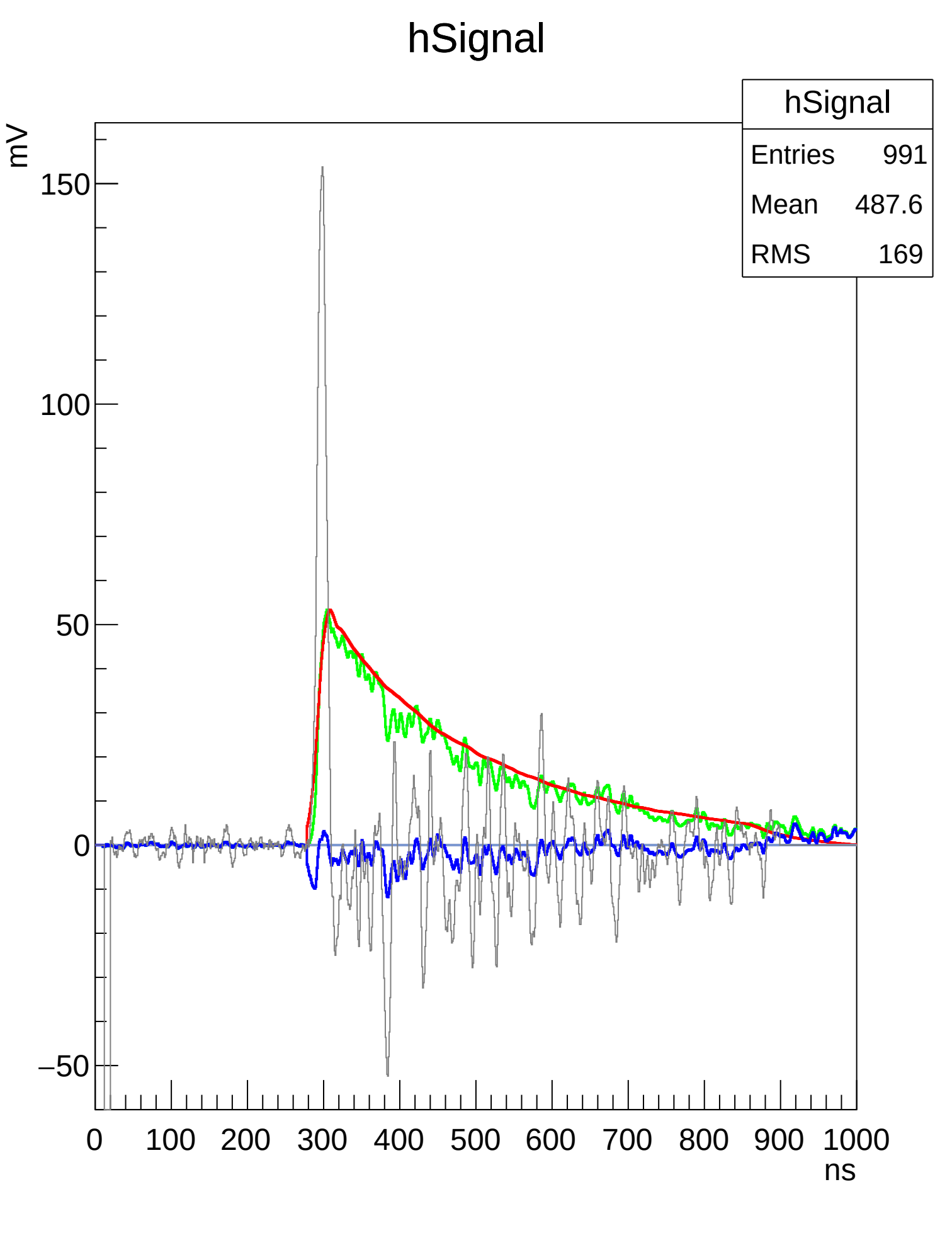

hSignal
hSignal
Entries 991
Mean 500
RMS 170.3
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

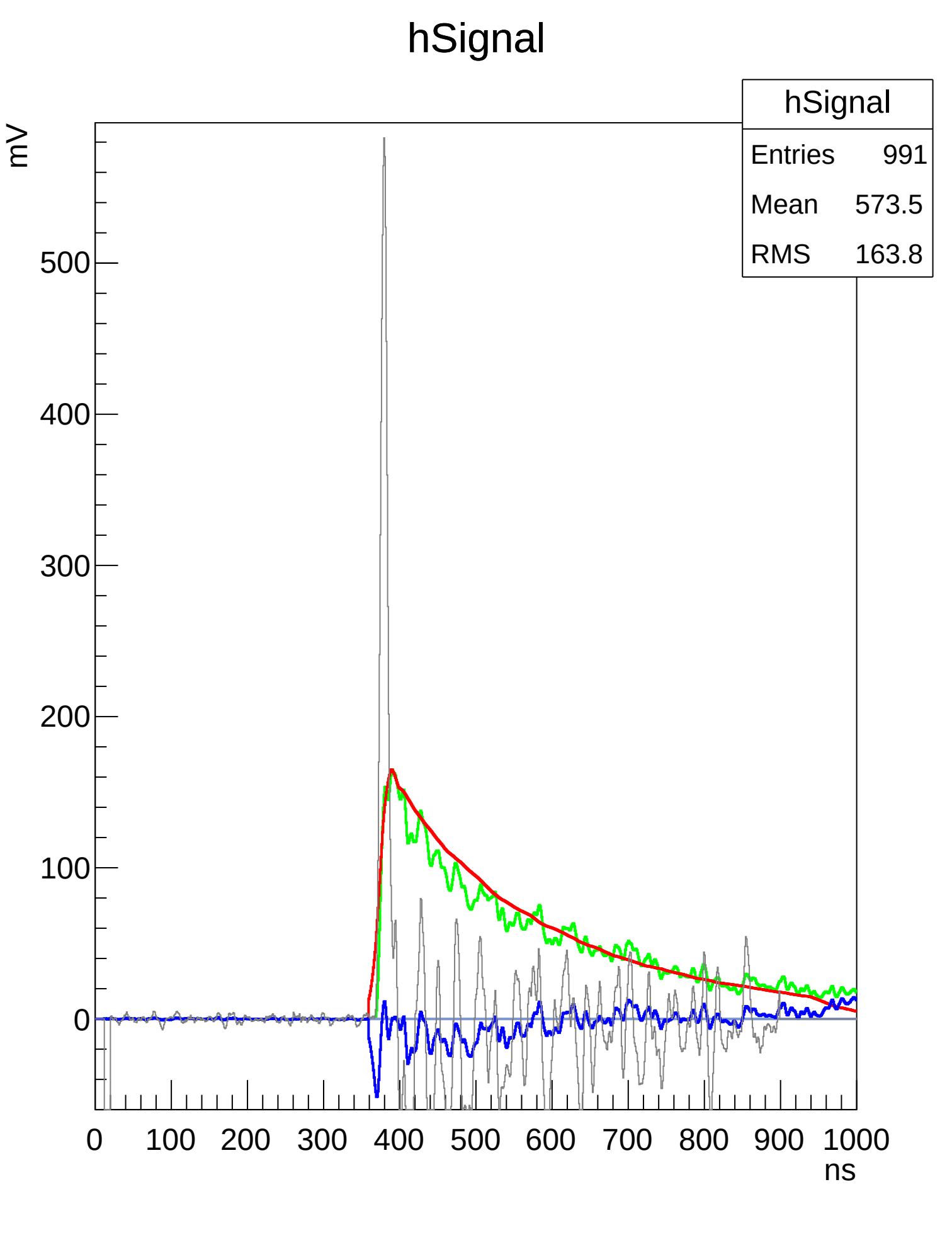

hSignal
hSignal
Entries 991
Mean 497.8
RMS 175.2
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

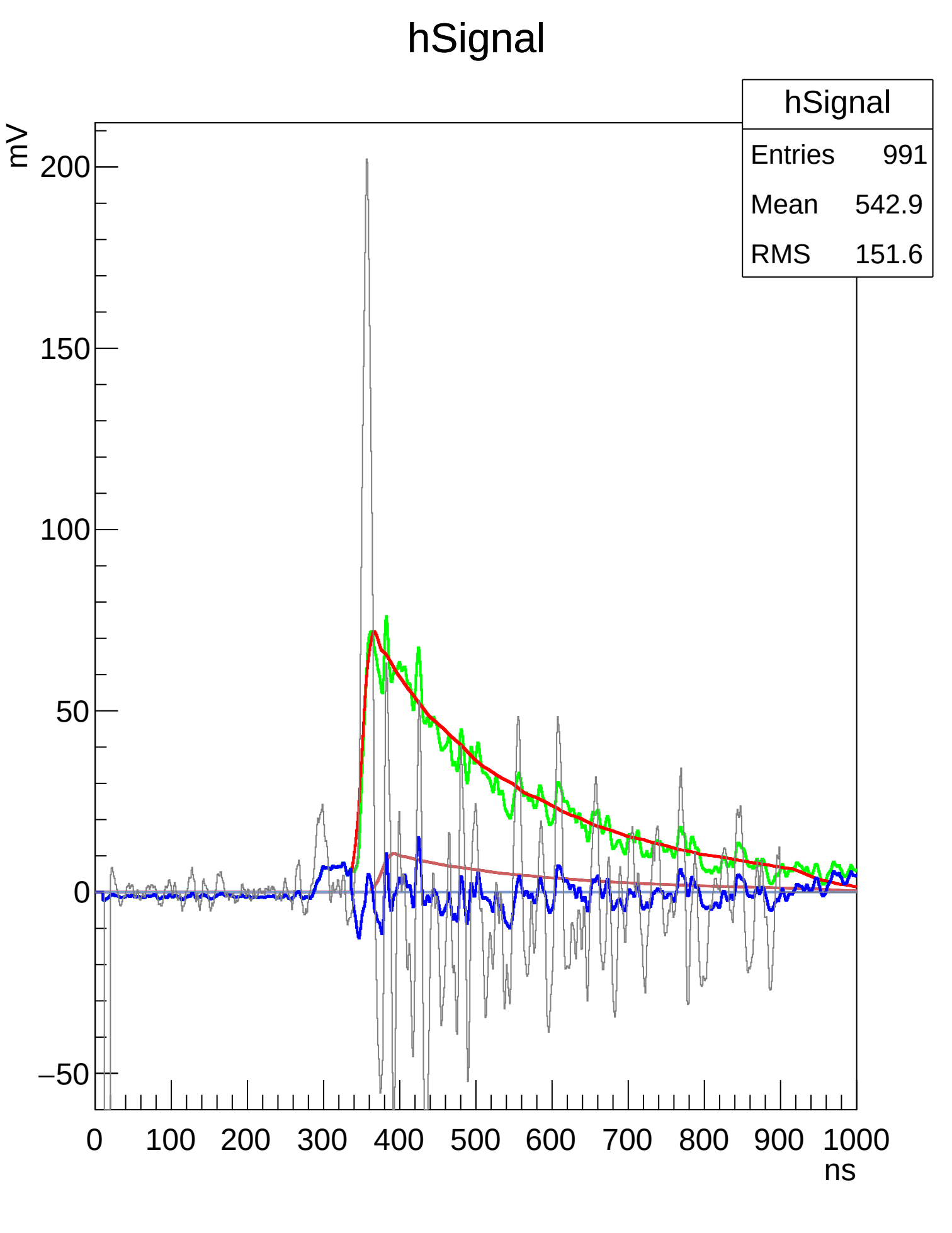

hSignal
hSignal
Entries 991
Mean 518.9
RMS 174.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

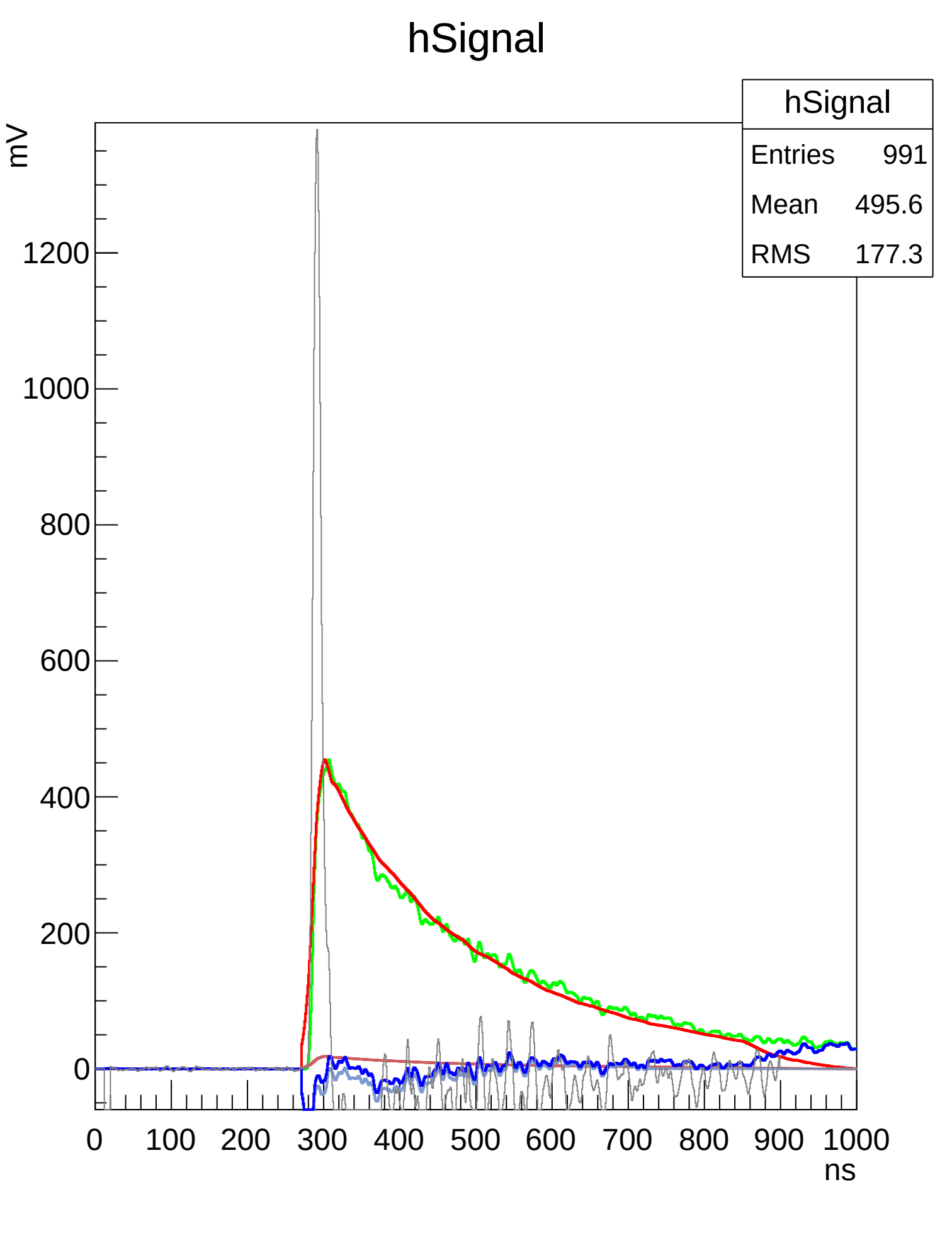

hSignal
hSignal
Entries 991
Mean 504.6
RMS 173.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

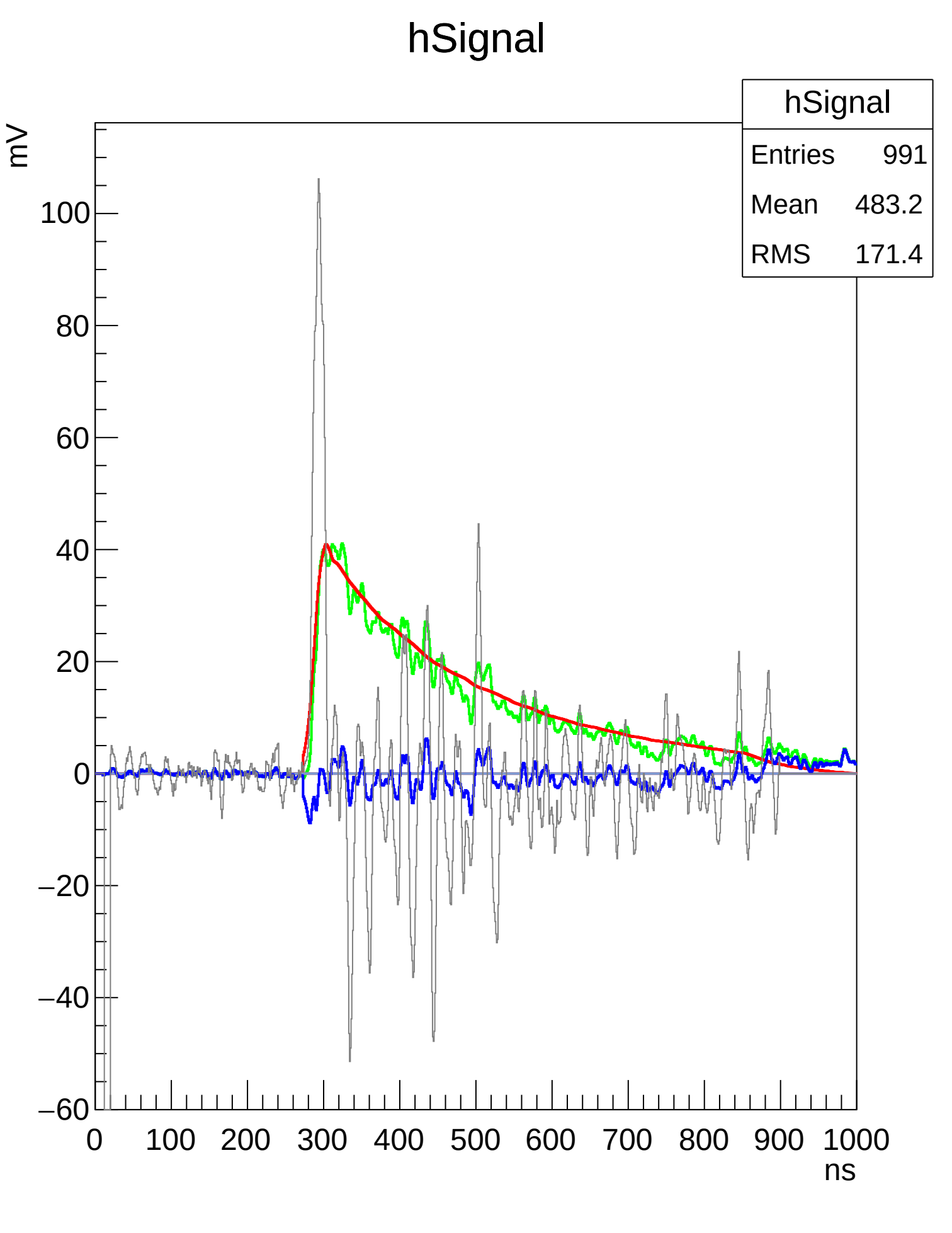

hSignal
hSignal
Entries 991
Mean 554.5
RMS 144.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

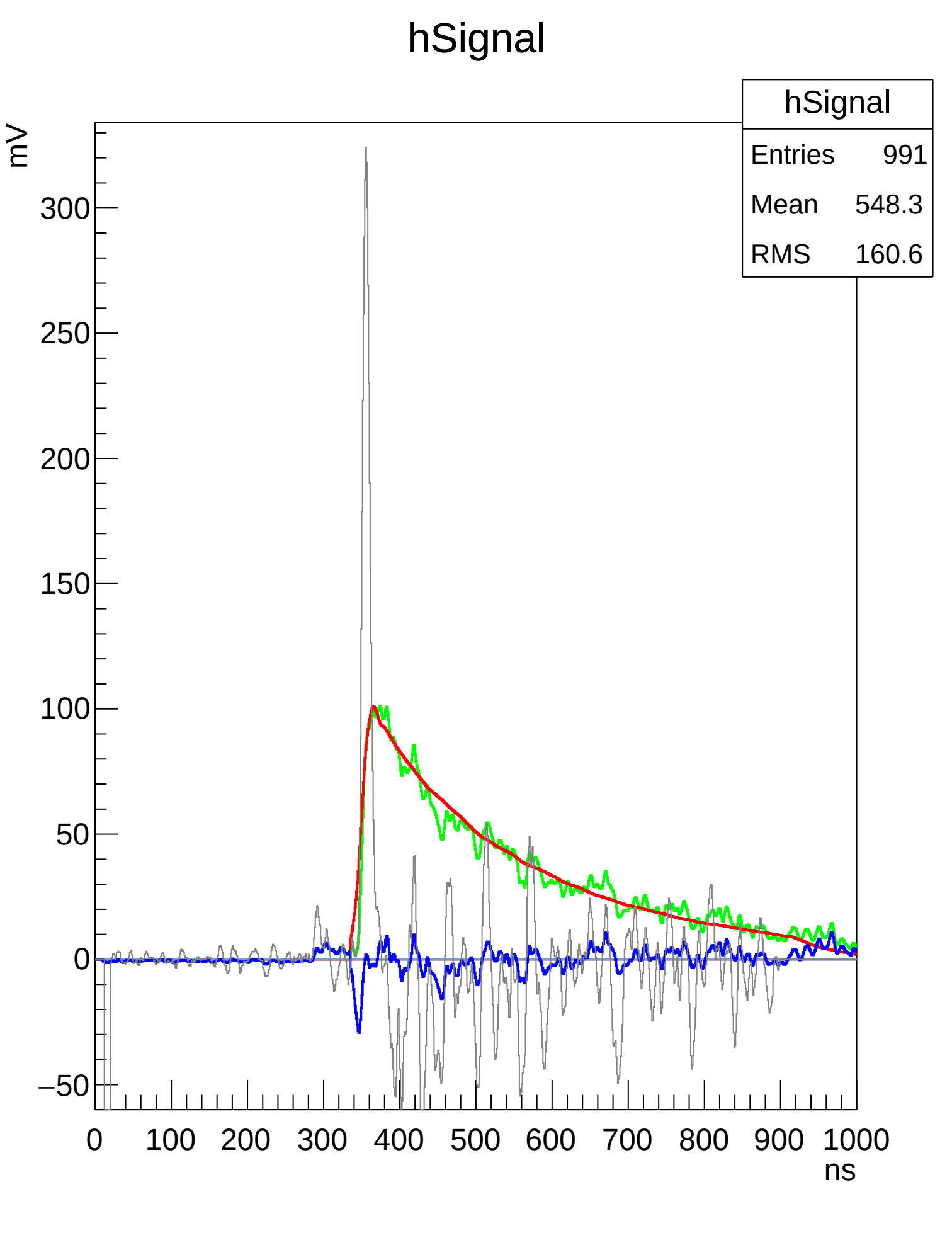

hSignal
hSignal
Entries 991
Mean 487.6
RMS 169
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

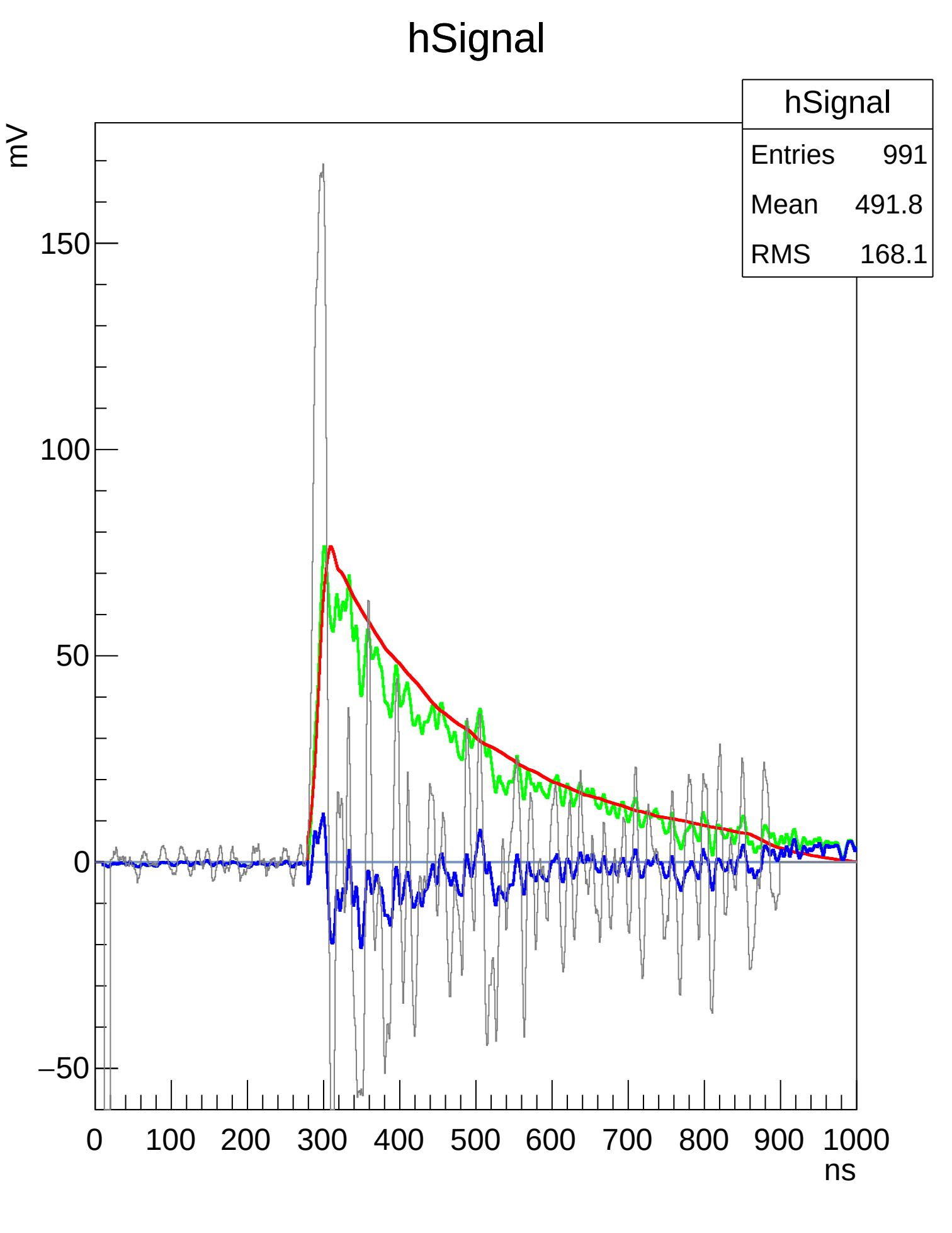

hSignal
hSignal
Entries 991
Mean 573.5
RMS 163.8
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

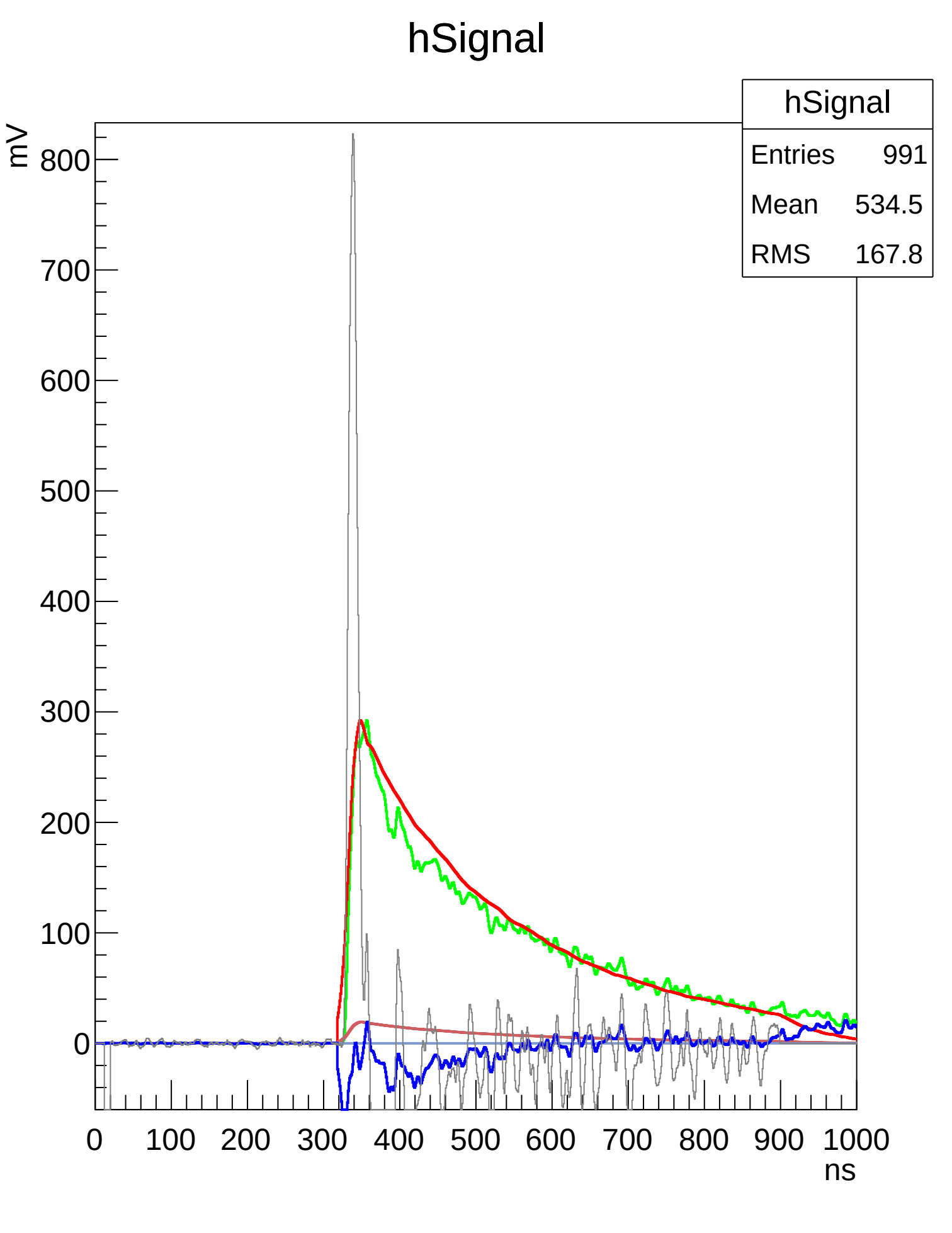

hSignal
hSignal
Entries 991
Mean 542.9
RMS 151.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

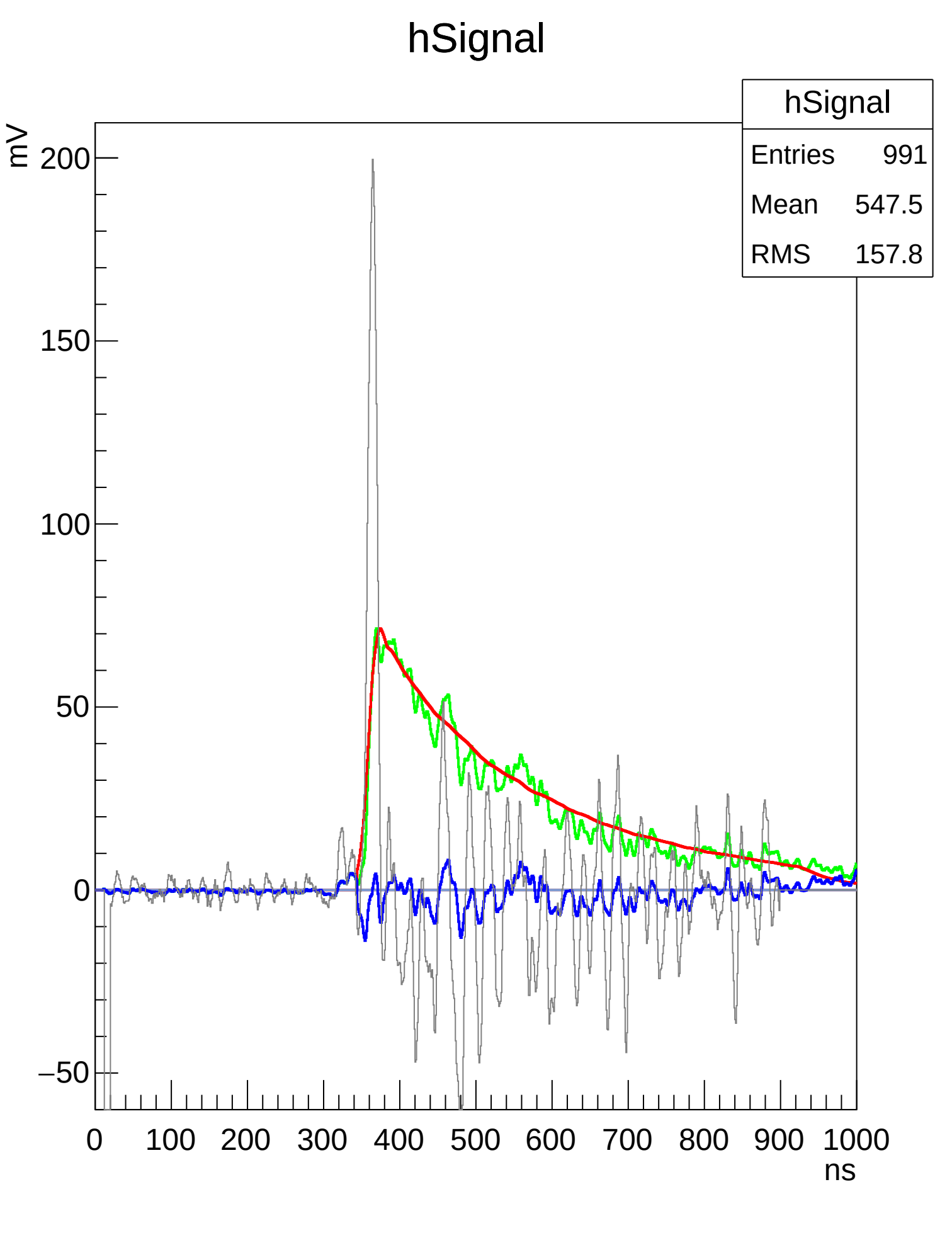

hSignal
hSignal
Entries 991
Mean 495.6
RMS 177.3
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

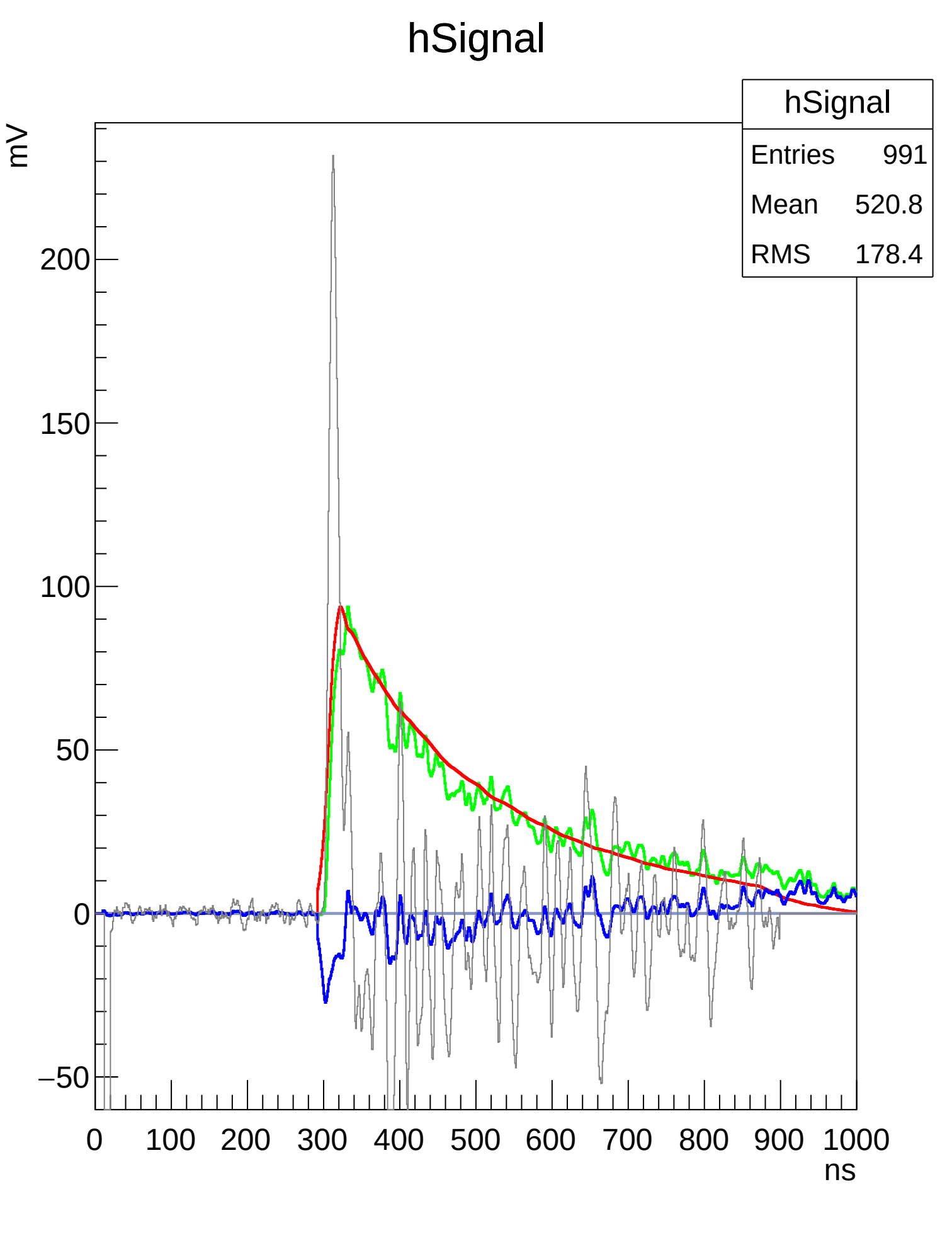

hSignal
hSignal
Entries 991
Mean 483.2
RMS 171.4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

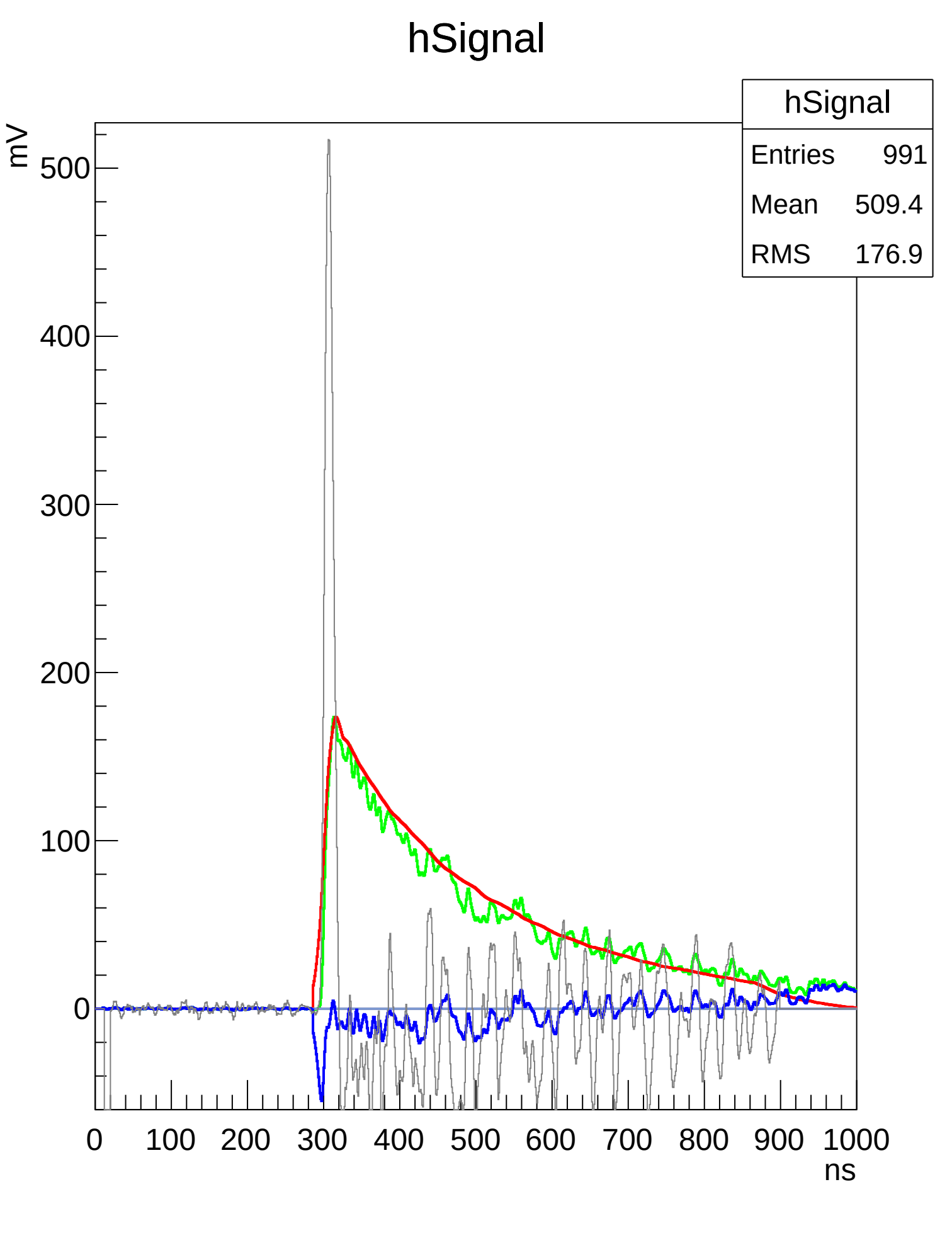

hSignal
hSignal
Entries 991
Mean 548.3
RMS 160.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

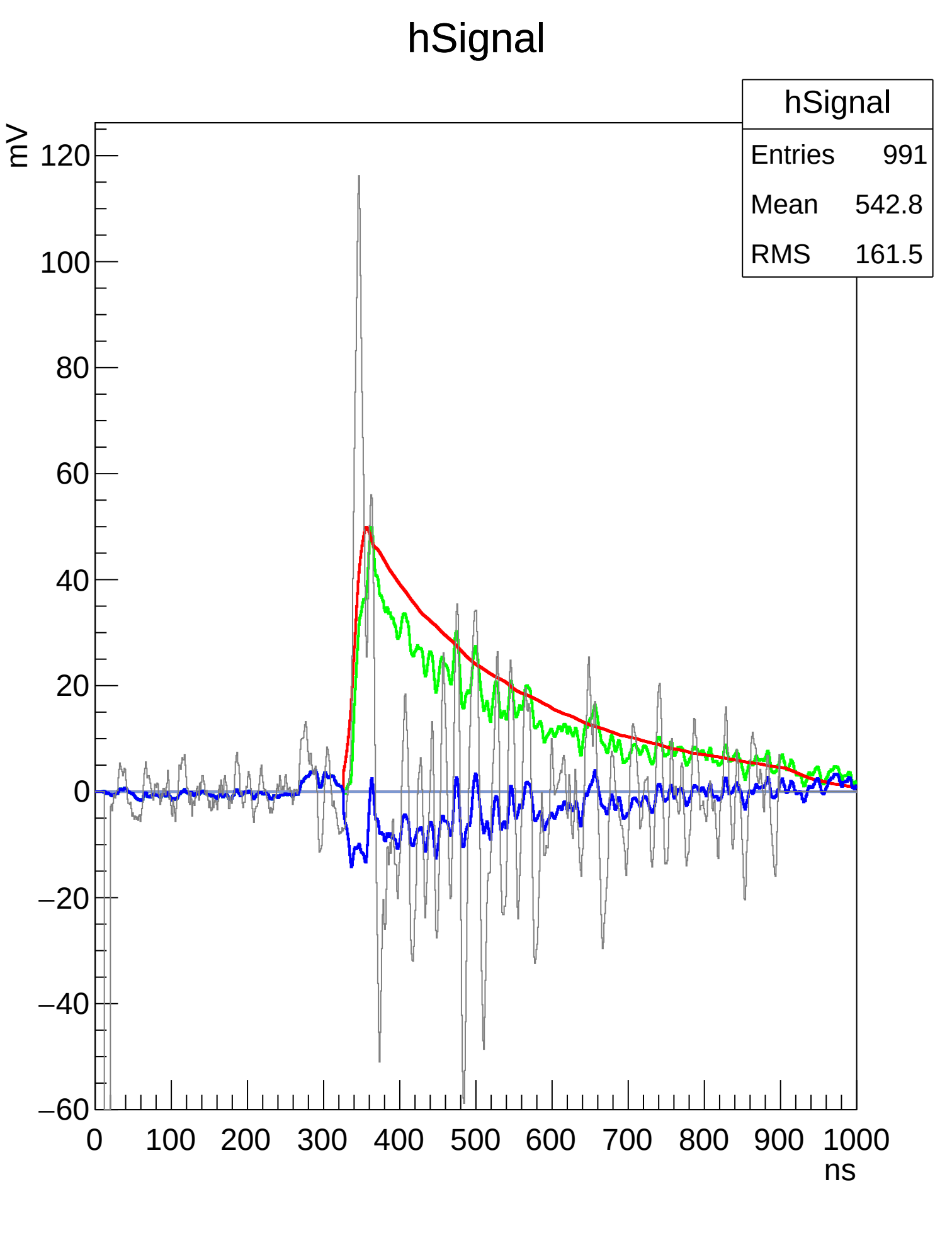

hSignal
hSignal
Entries 991
Mean 491.8
RMS 168.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

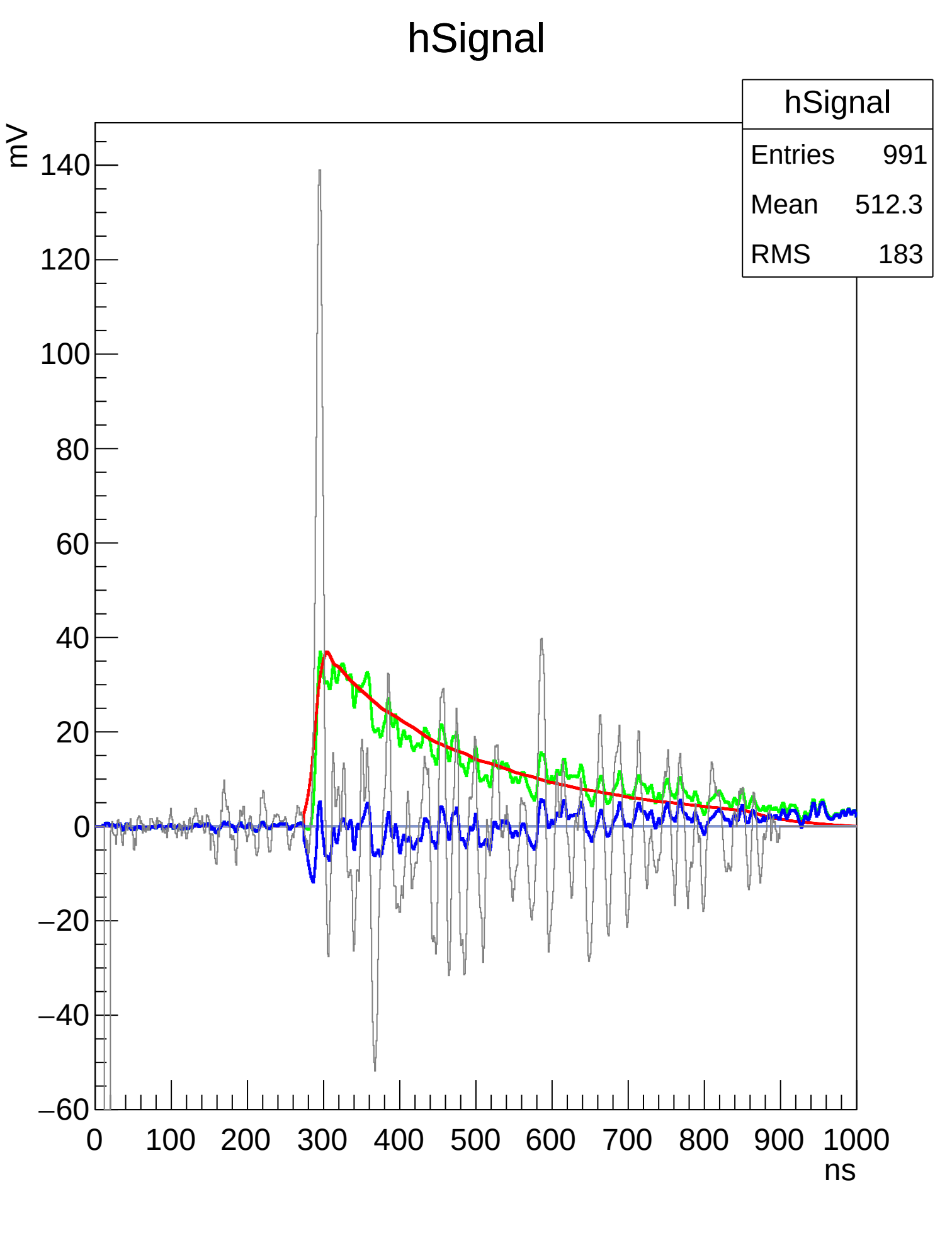

hSignal
hSignal
Entries 991
Mean 534.5
RMS 167.8
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

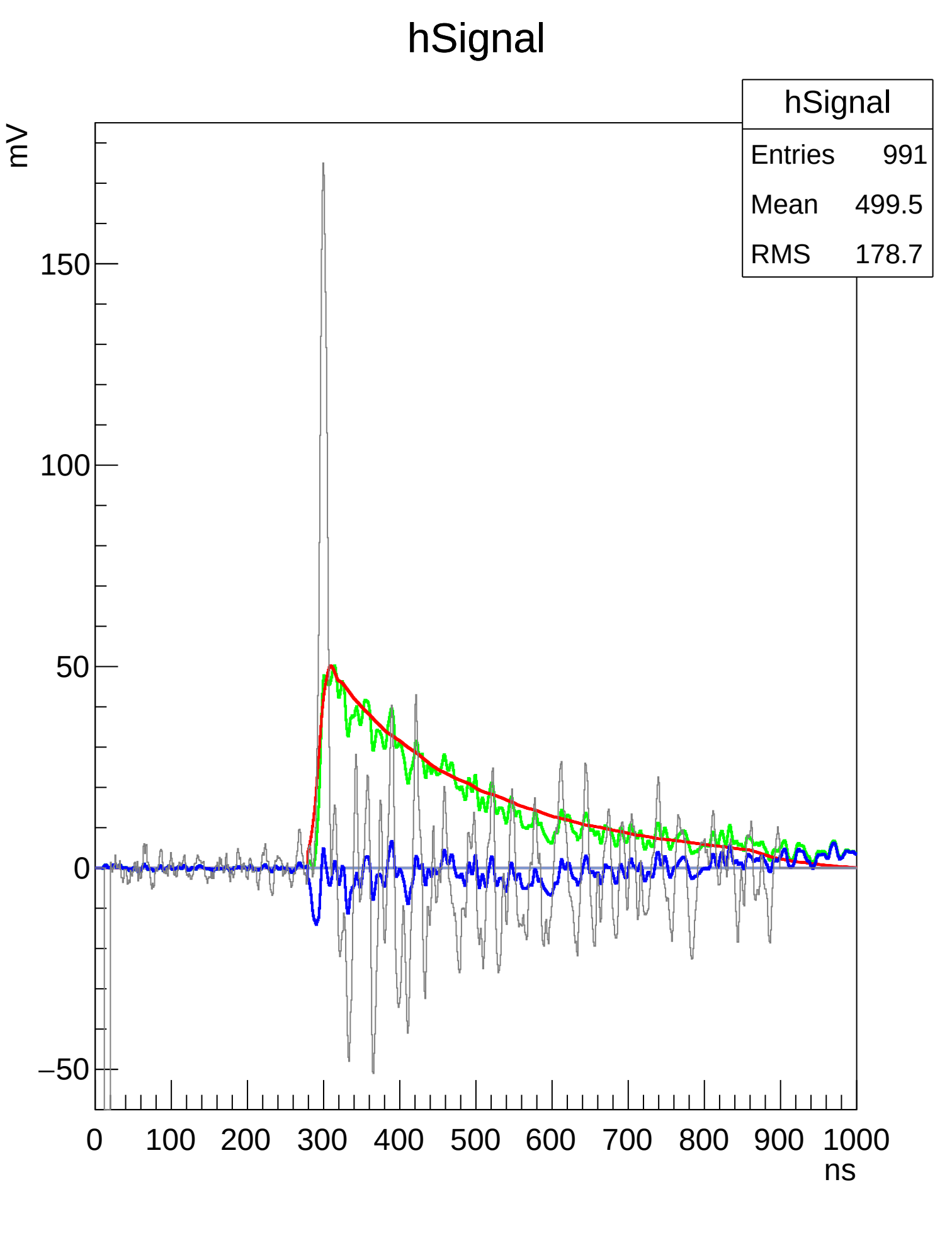

hSignal
hSignal
Entries 991
Mean 547.5
RMS 157.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

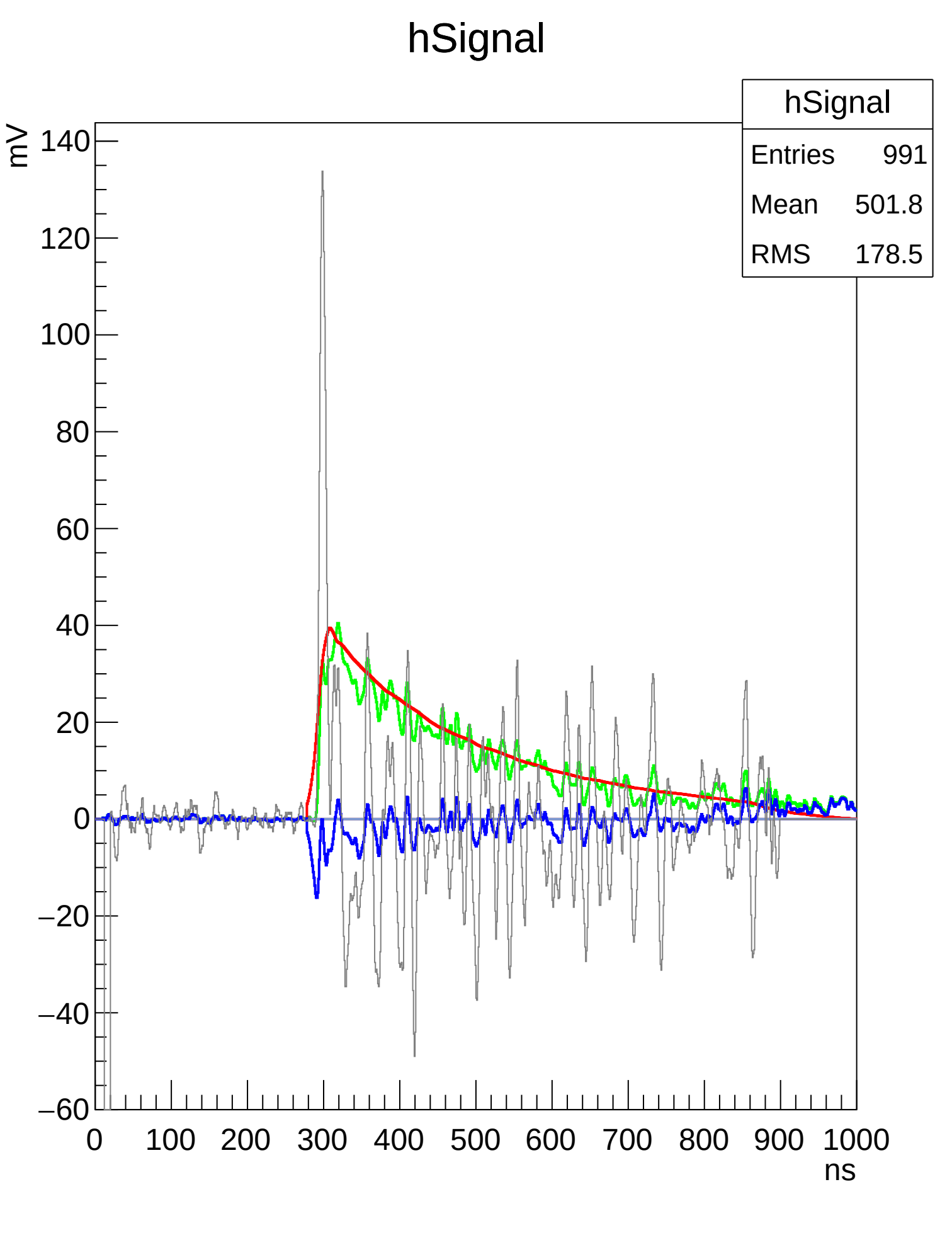

hSignal
hSignal
Entries 991
Mean 520.8
RMS 178.4
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

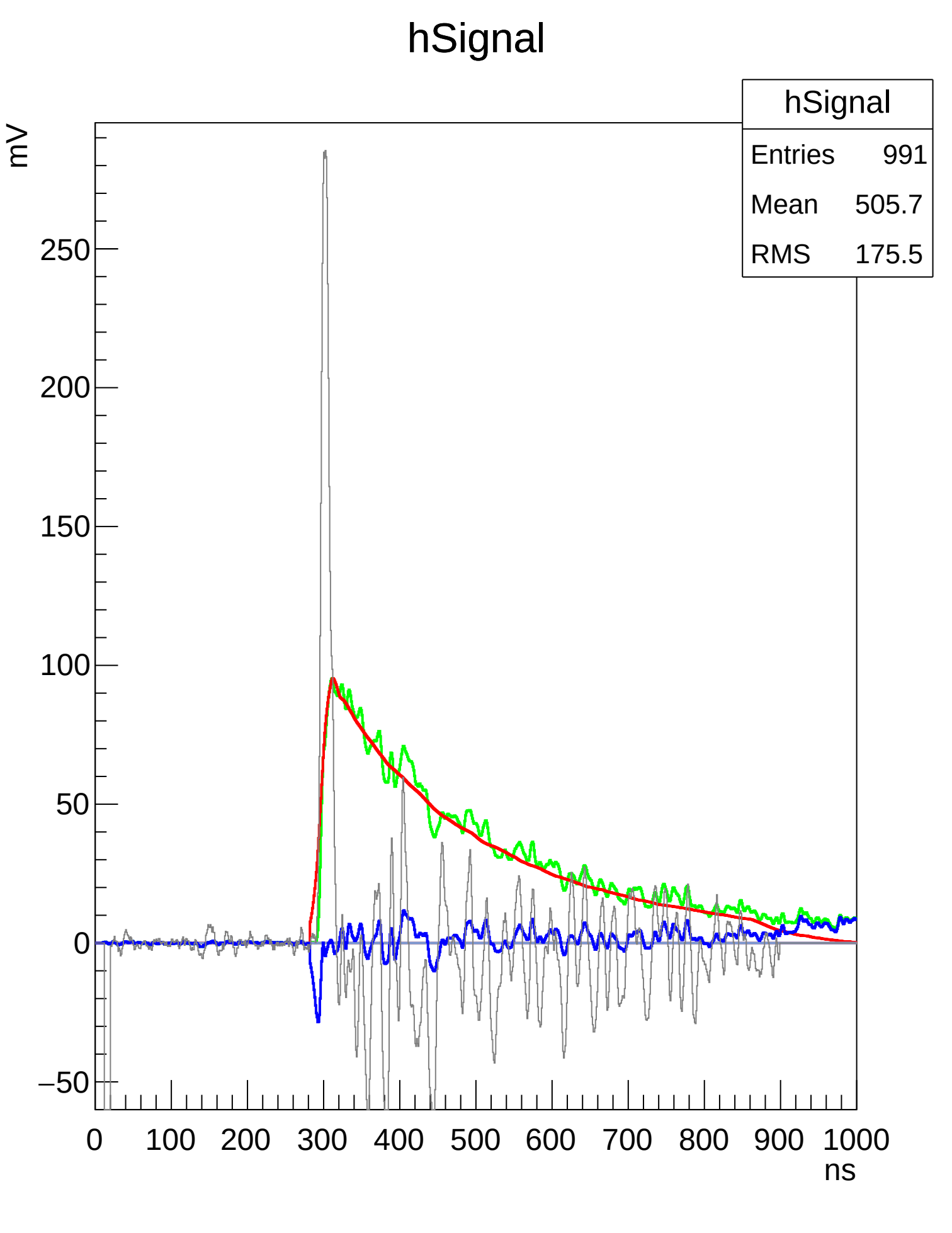

hSignal
hSignal
Entries 991
Mean 509.4
RMS 176.9
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

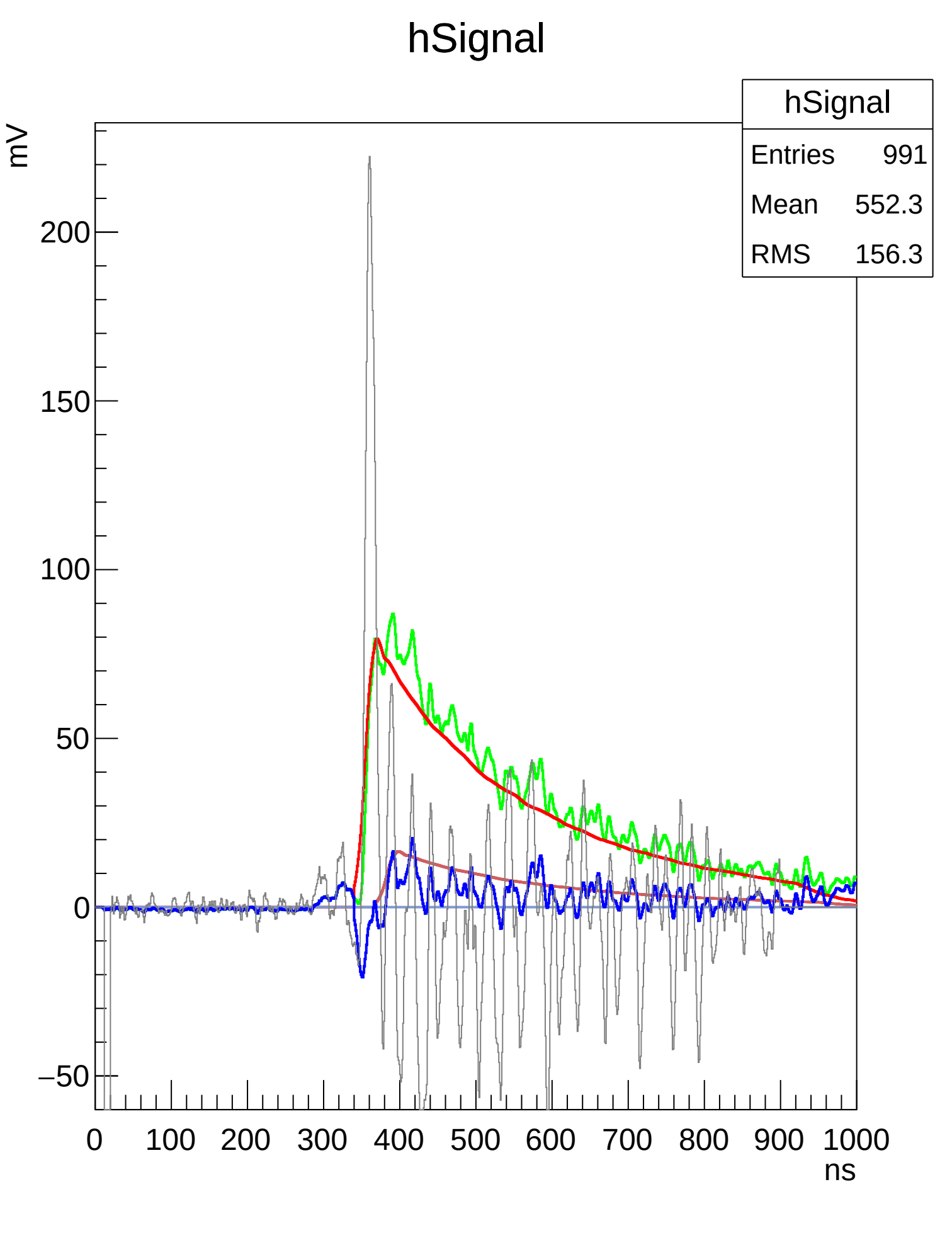

hSignal
hSignal
Entries 991
Mean 542.8
RMS 161.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

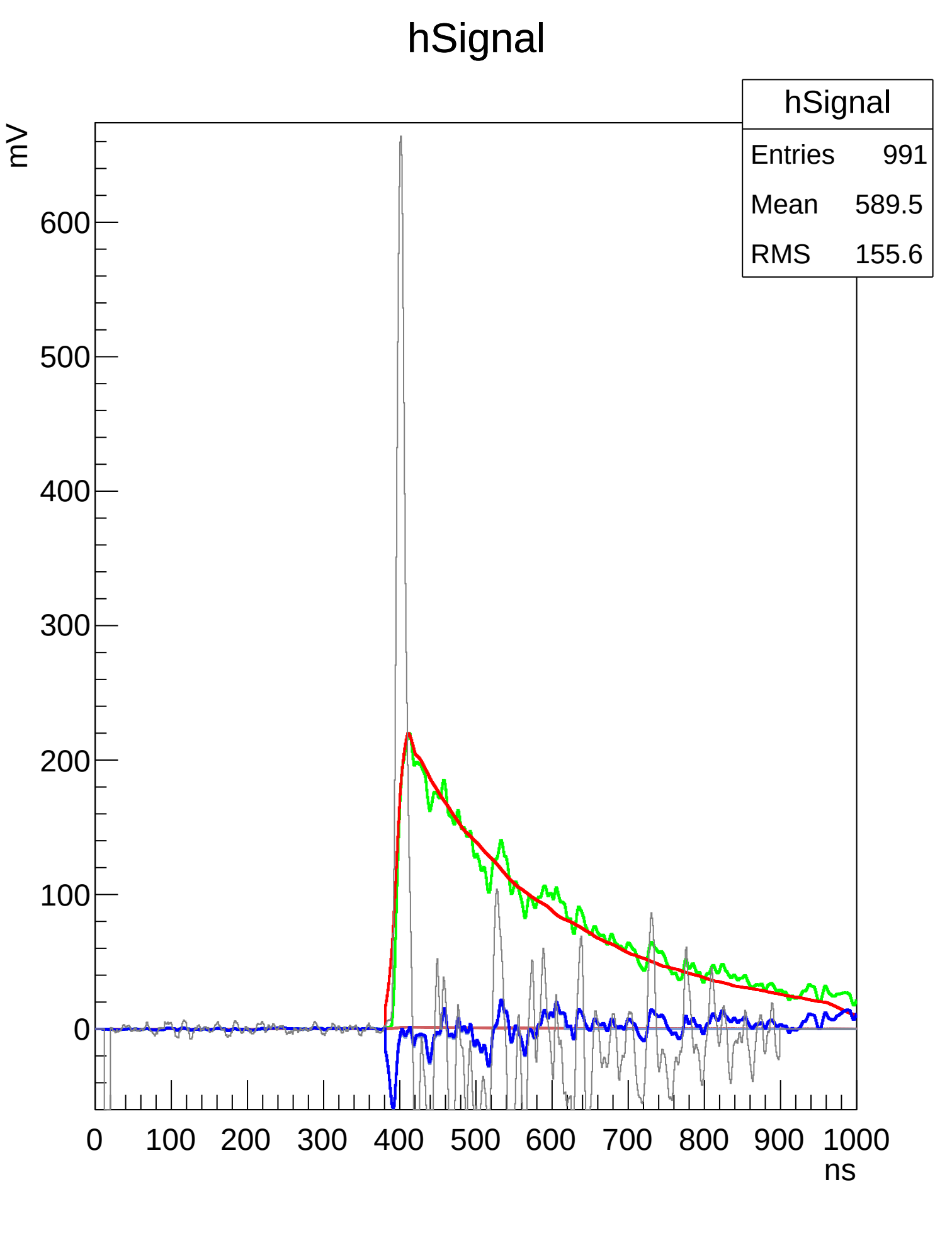

hSignal
hSignal
Entries 991
Mean 512.3
RMS 183
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

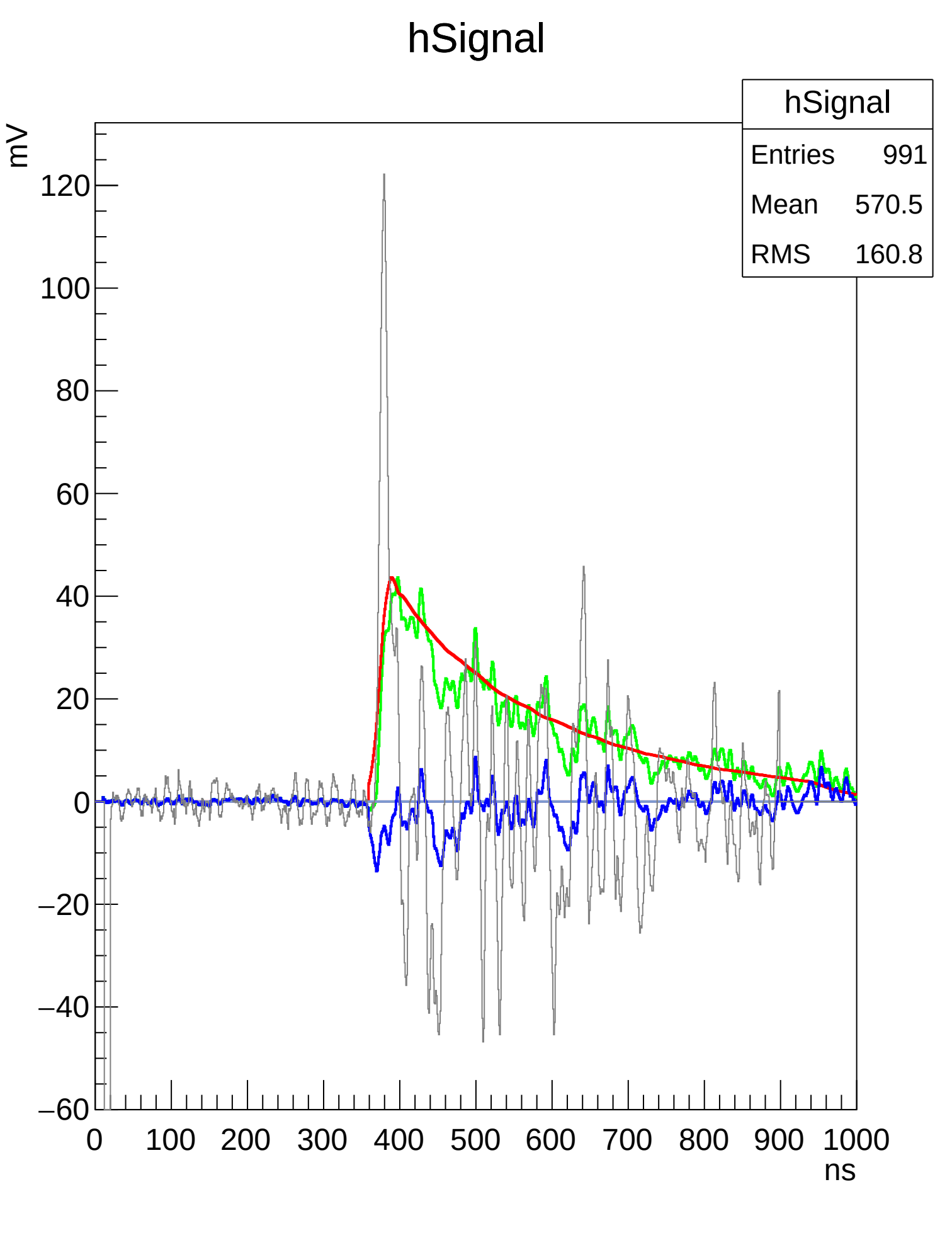

hSignal
hSignal
Entries 991
Mean 499.5
RMS 178.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

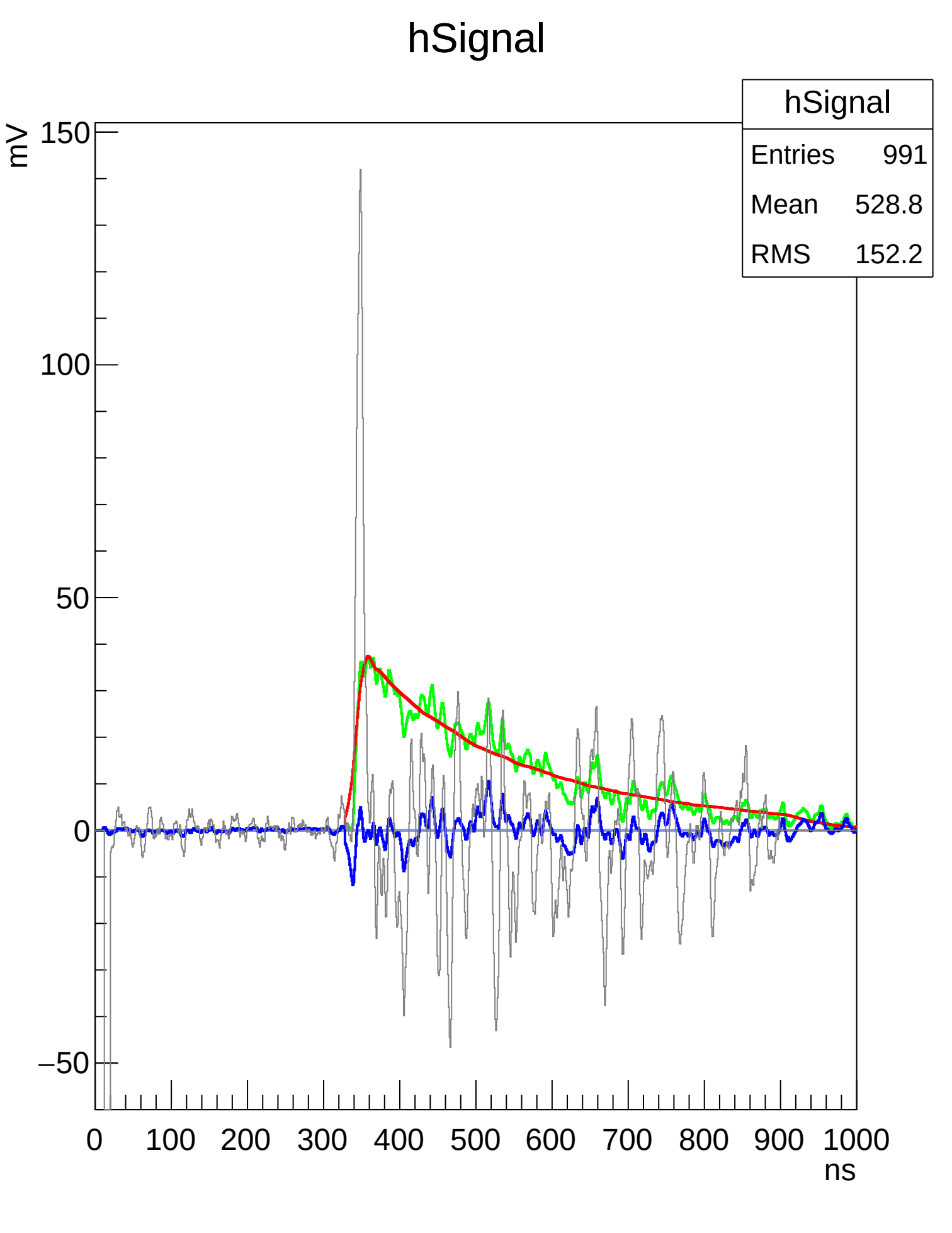

hSignal
hSignal
Entries 991
Mean 501.8
RMS 178.5
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

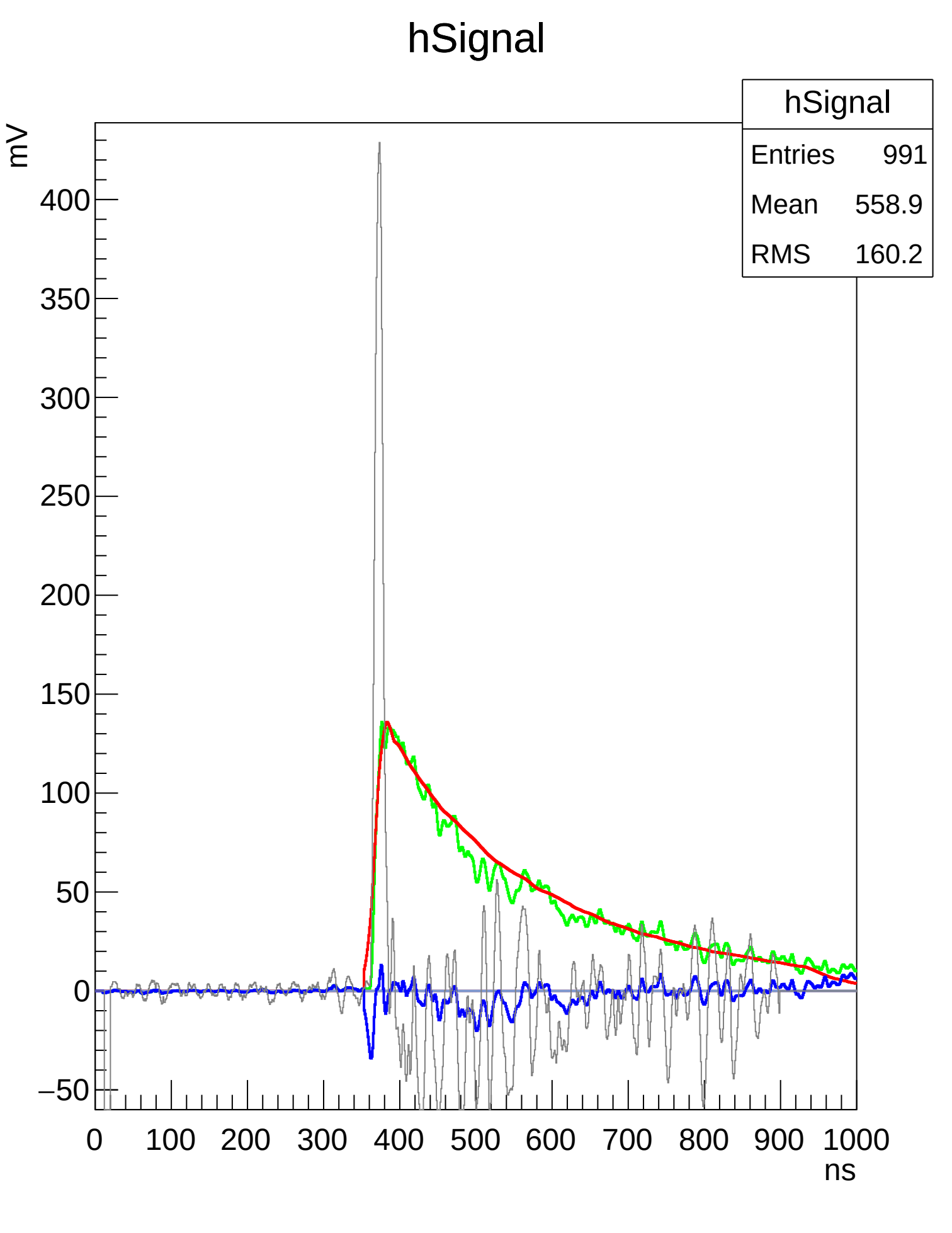

hSignal
hSignal
Entries 991
Mean 505.7
RMS 175.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

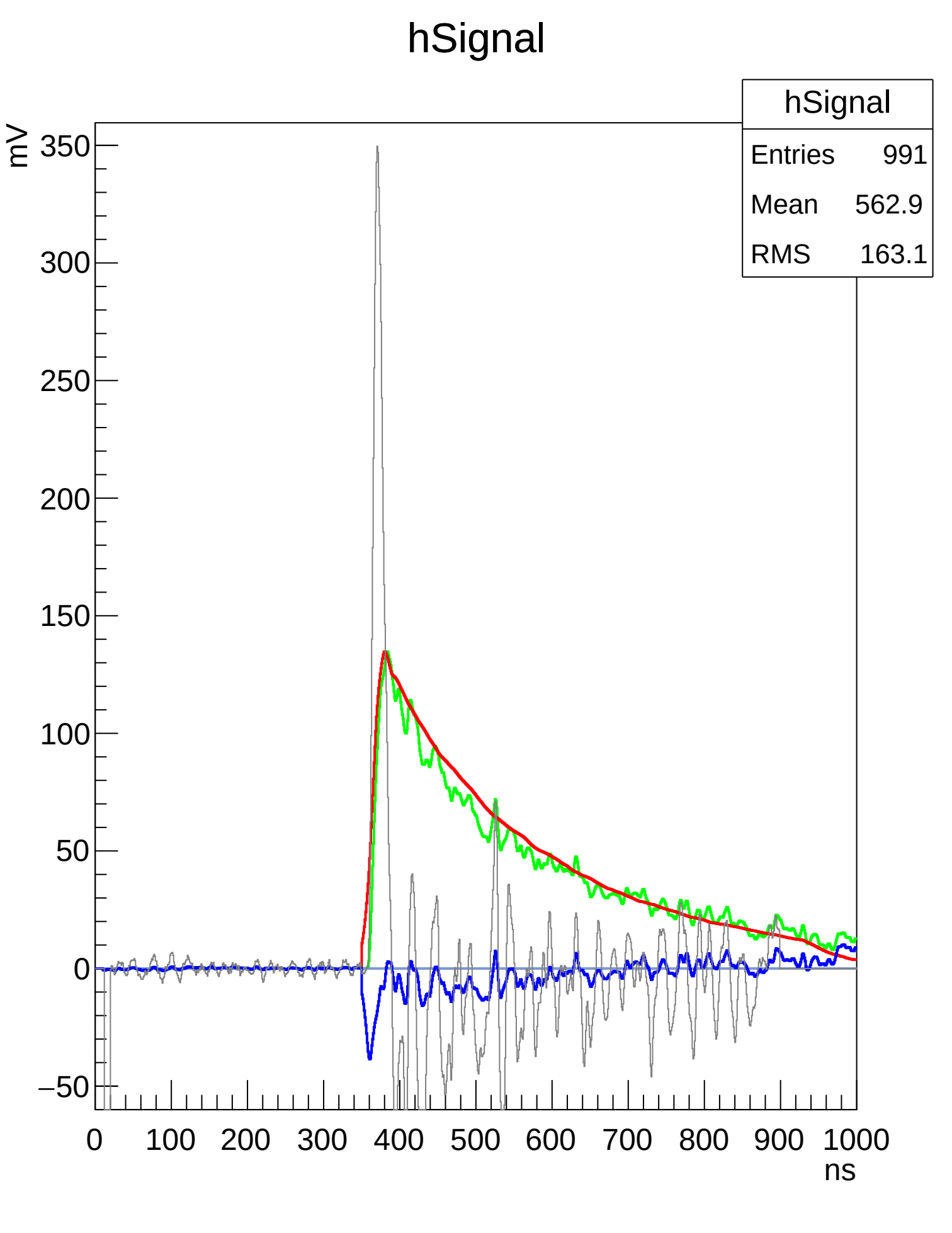

hSignal
hSignal
Entries 991
Mean 552.3
RMS 156.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

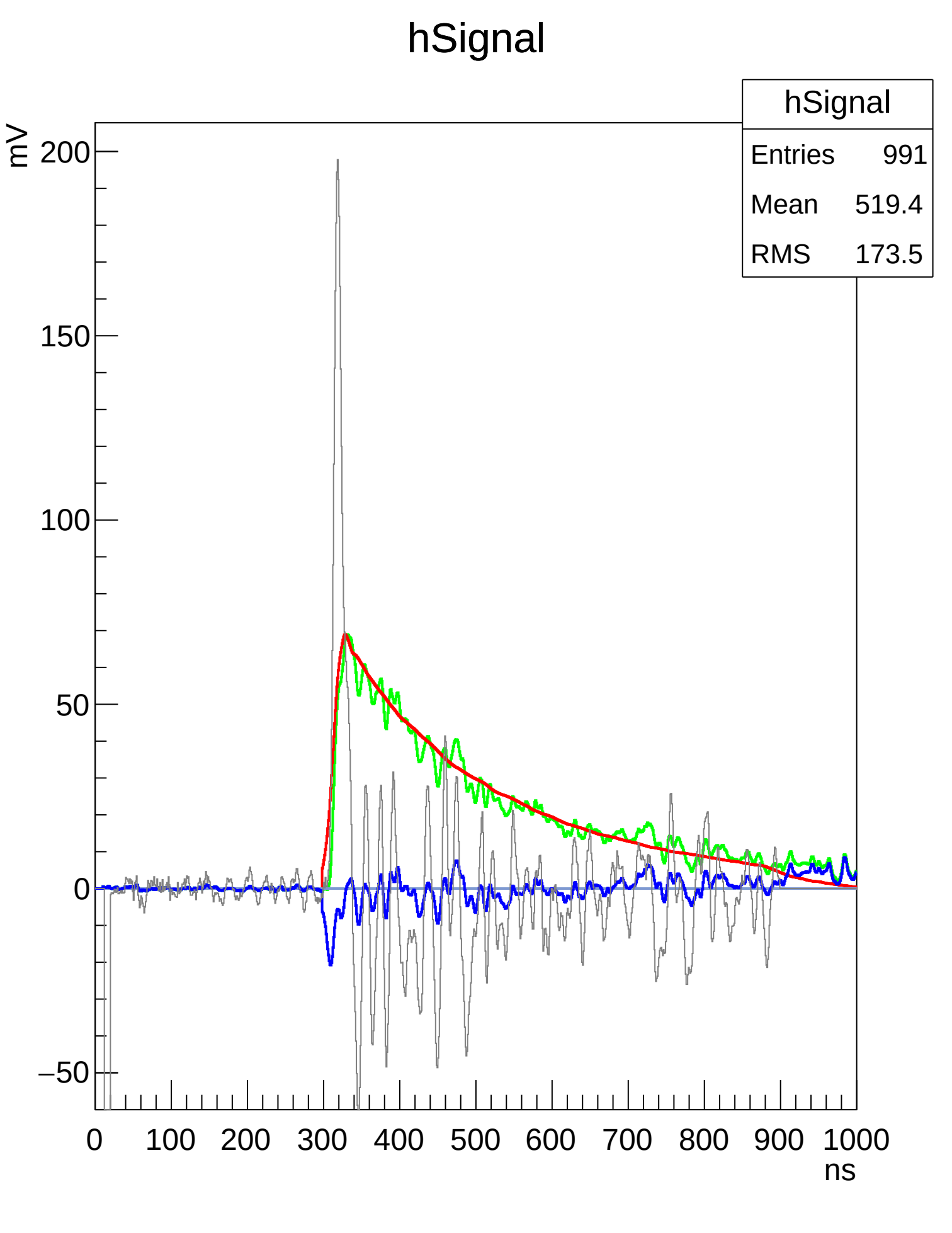

hSignal
hSignal
Entries 991
Mean 589.5
RMS 155.6
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

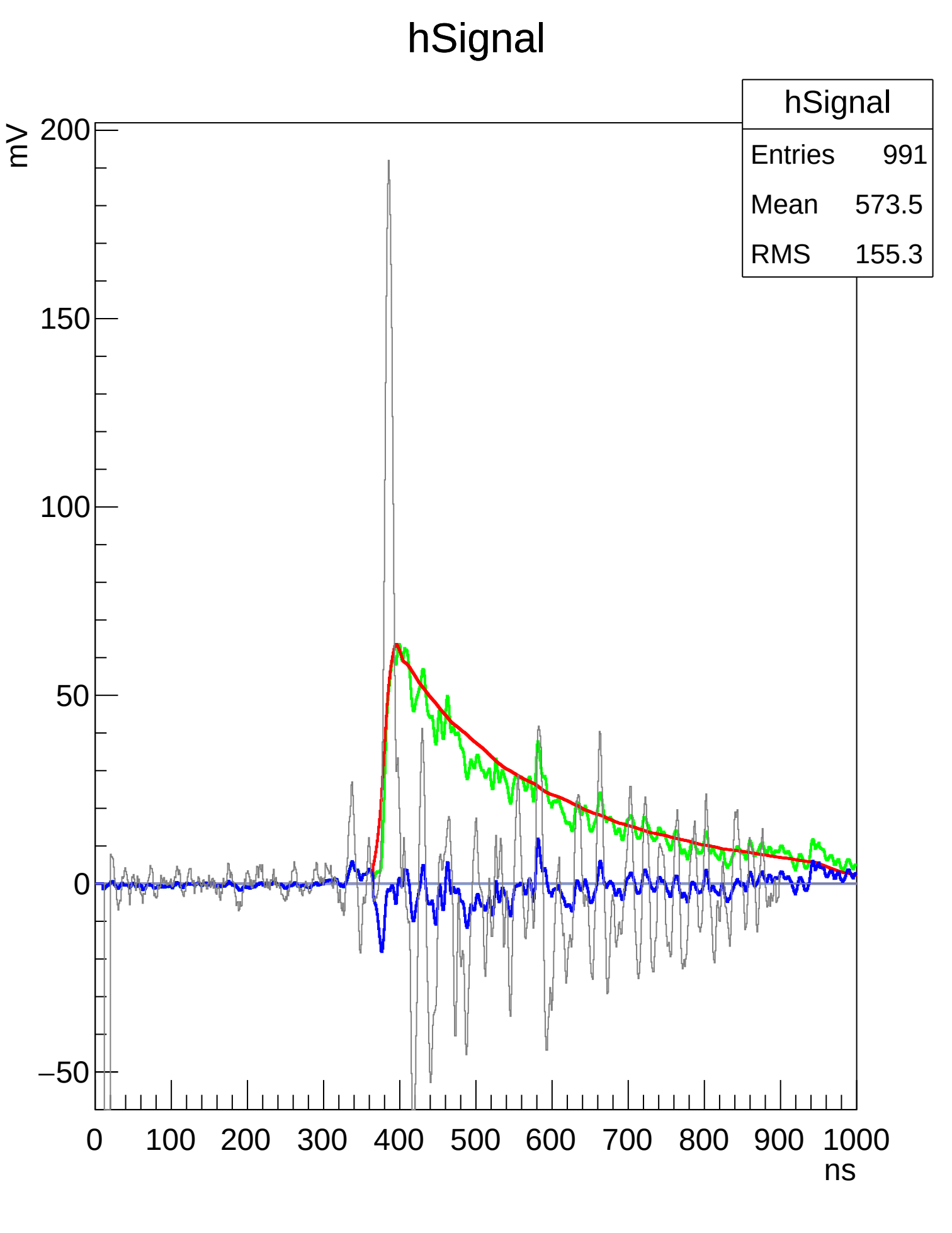

hSignal
hSignal
Entries 991
Mean 570.5
RMS 160.8
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

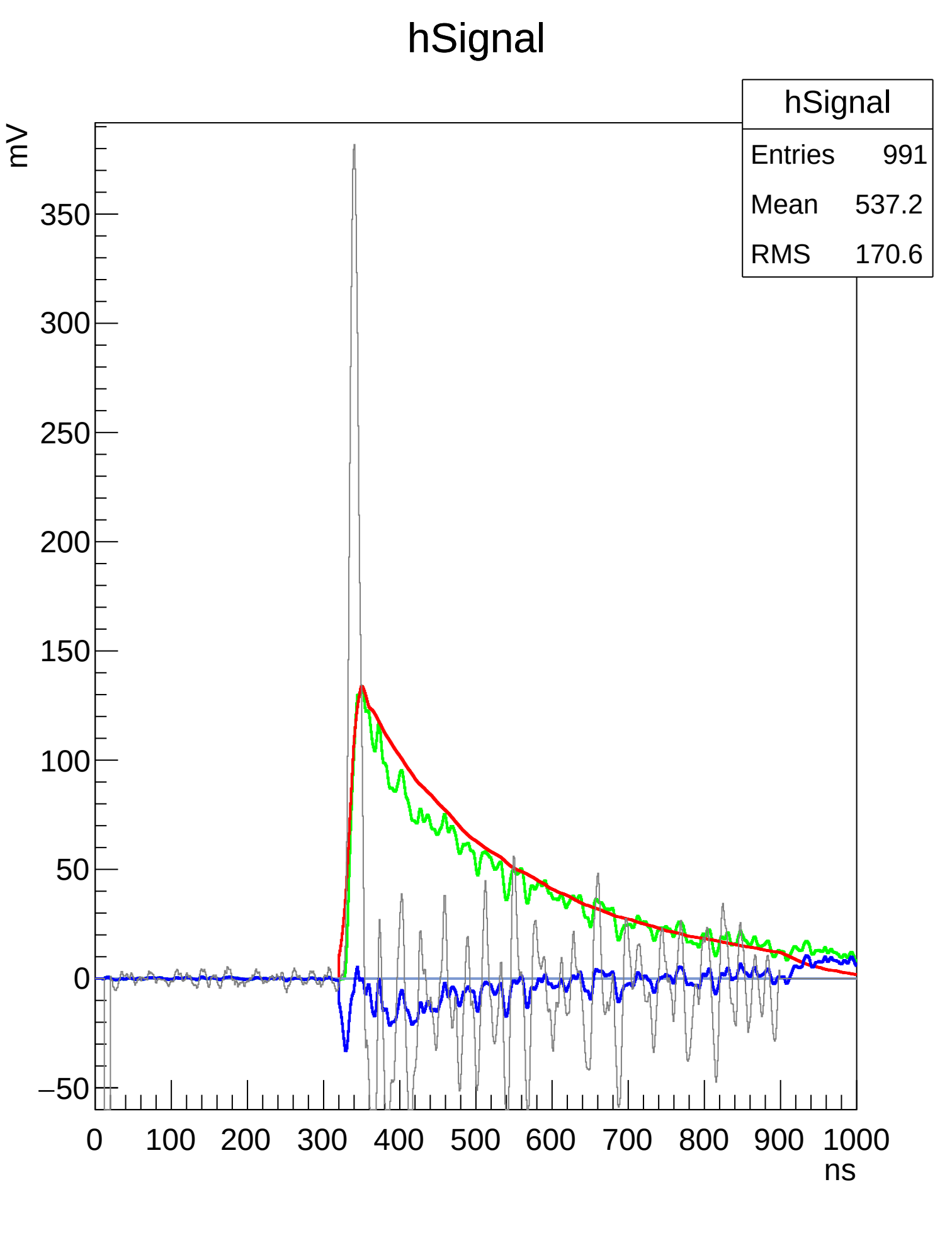

hSignal
hSignal
Entries 991
Mean 528.8
RMS 152.2
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

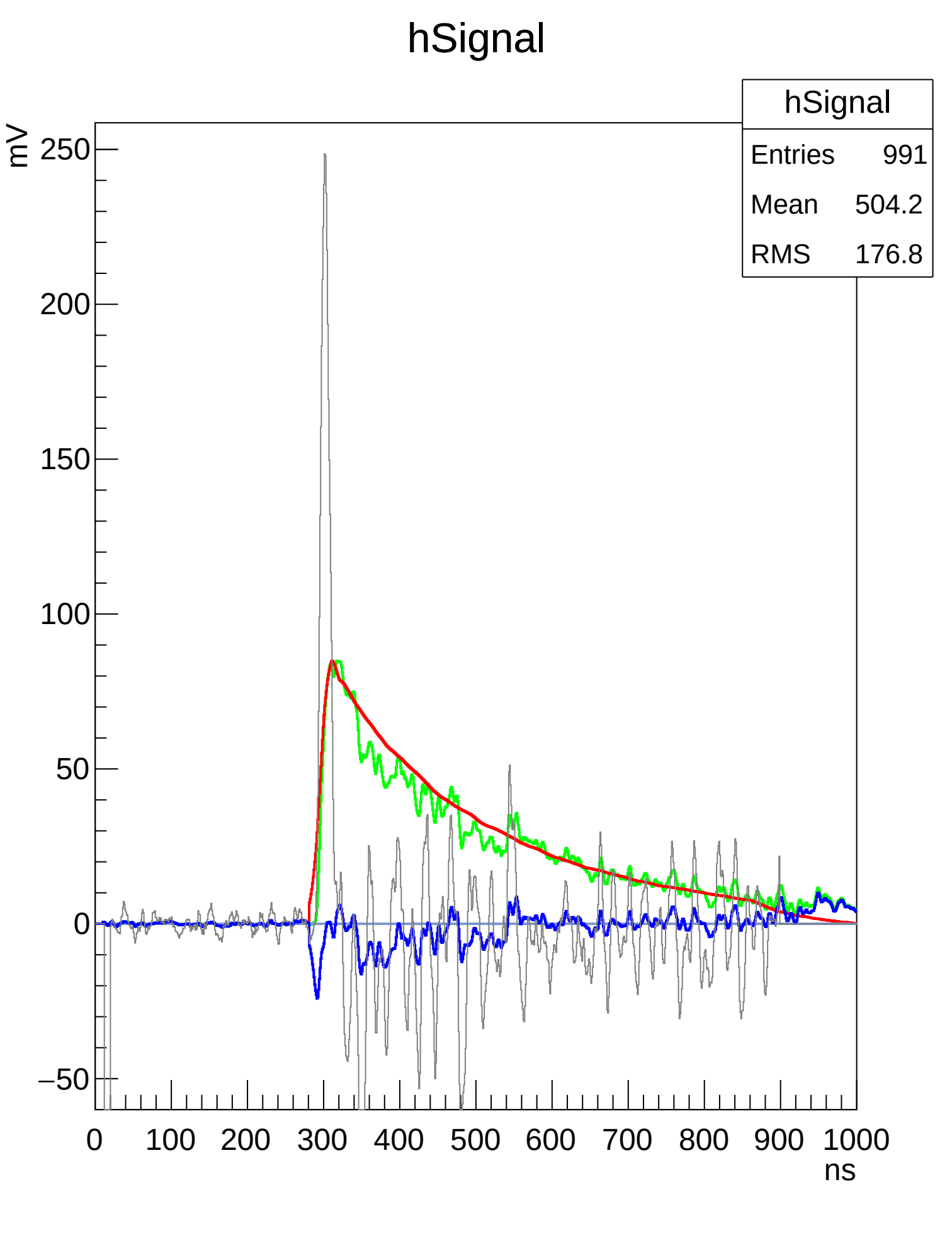

hSignal
hSignal
Entries 991
Mean 558.9
RMS 160.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

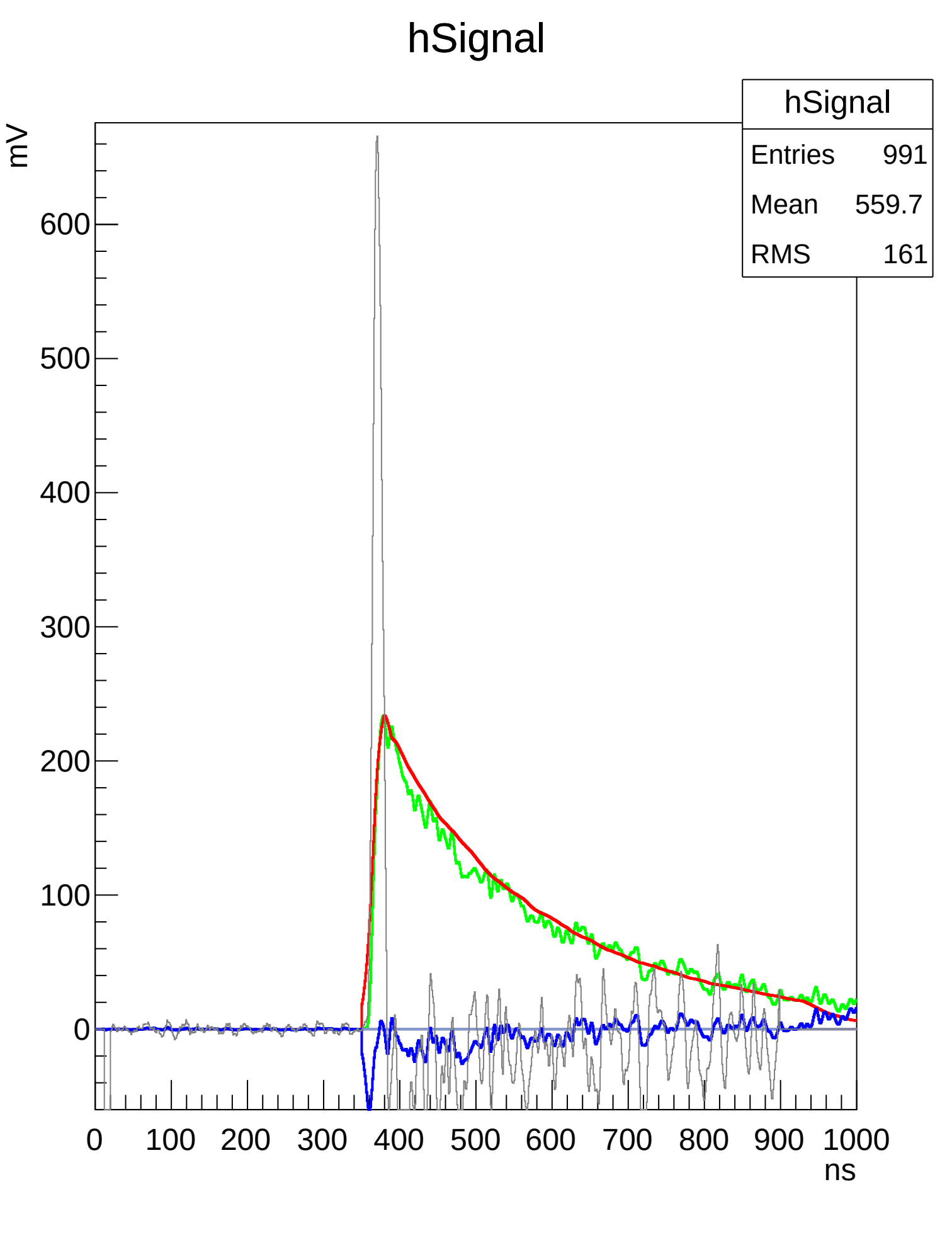

hSignal
hSignal
Entries 991
Mean 562.9
RMS 163.1
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

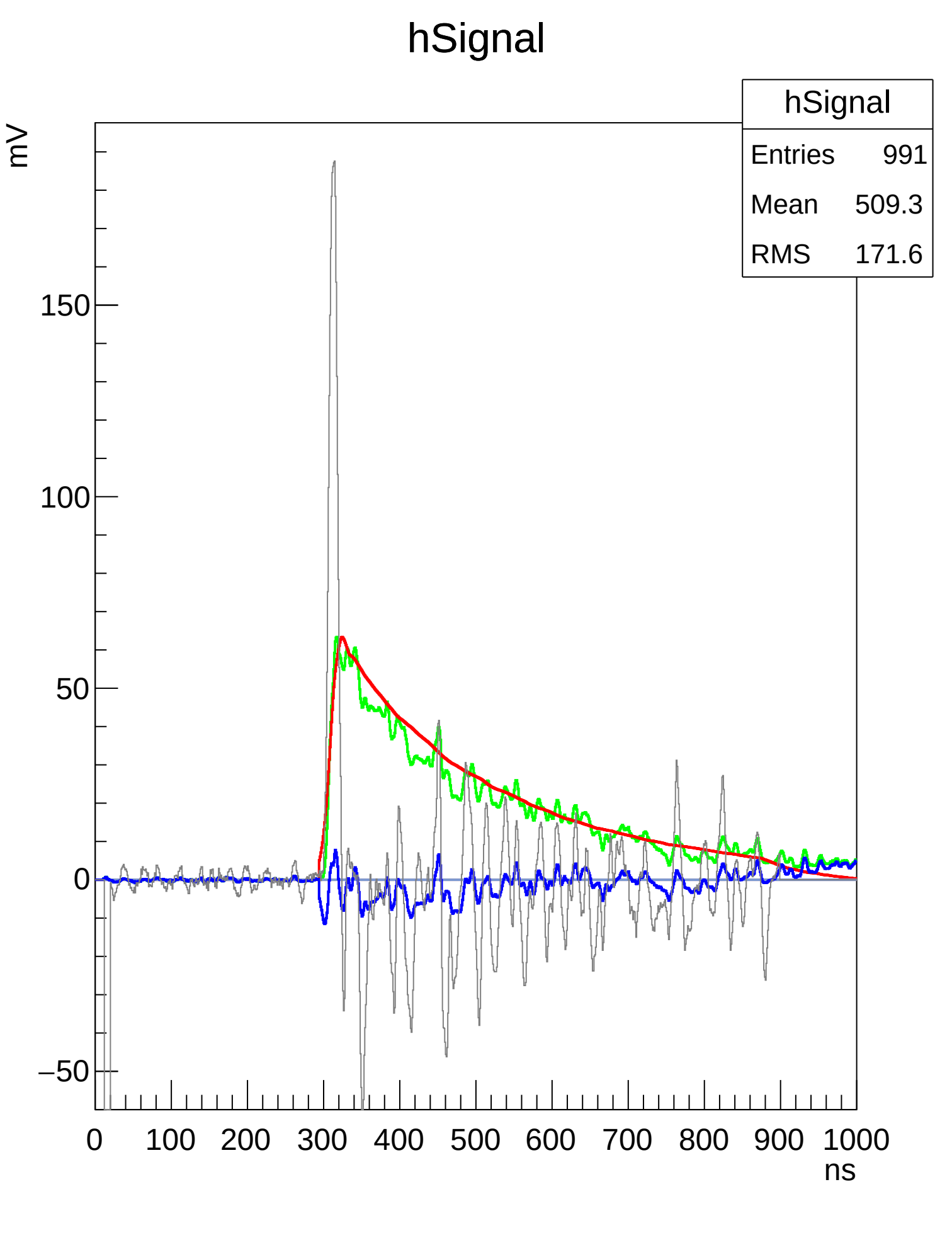

hSignal
hSignal
Entries 991
Mean 519.4
RMS 173.5
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

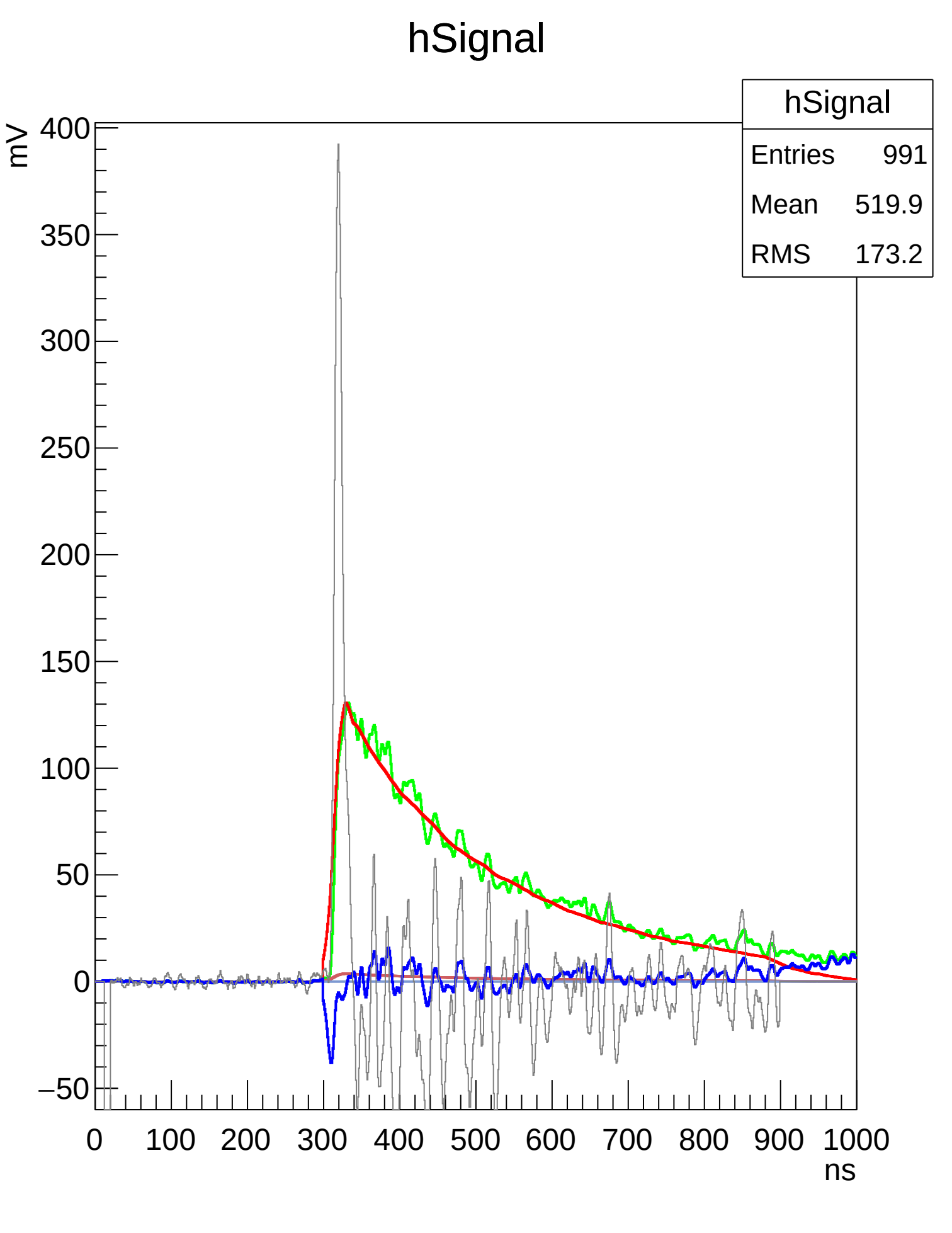

hSignal
hSignal
Entries 991
Mean 573.5
RMS 155.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

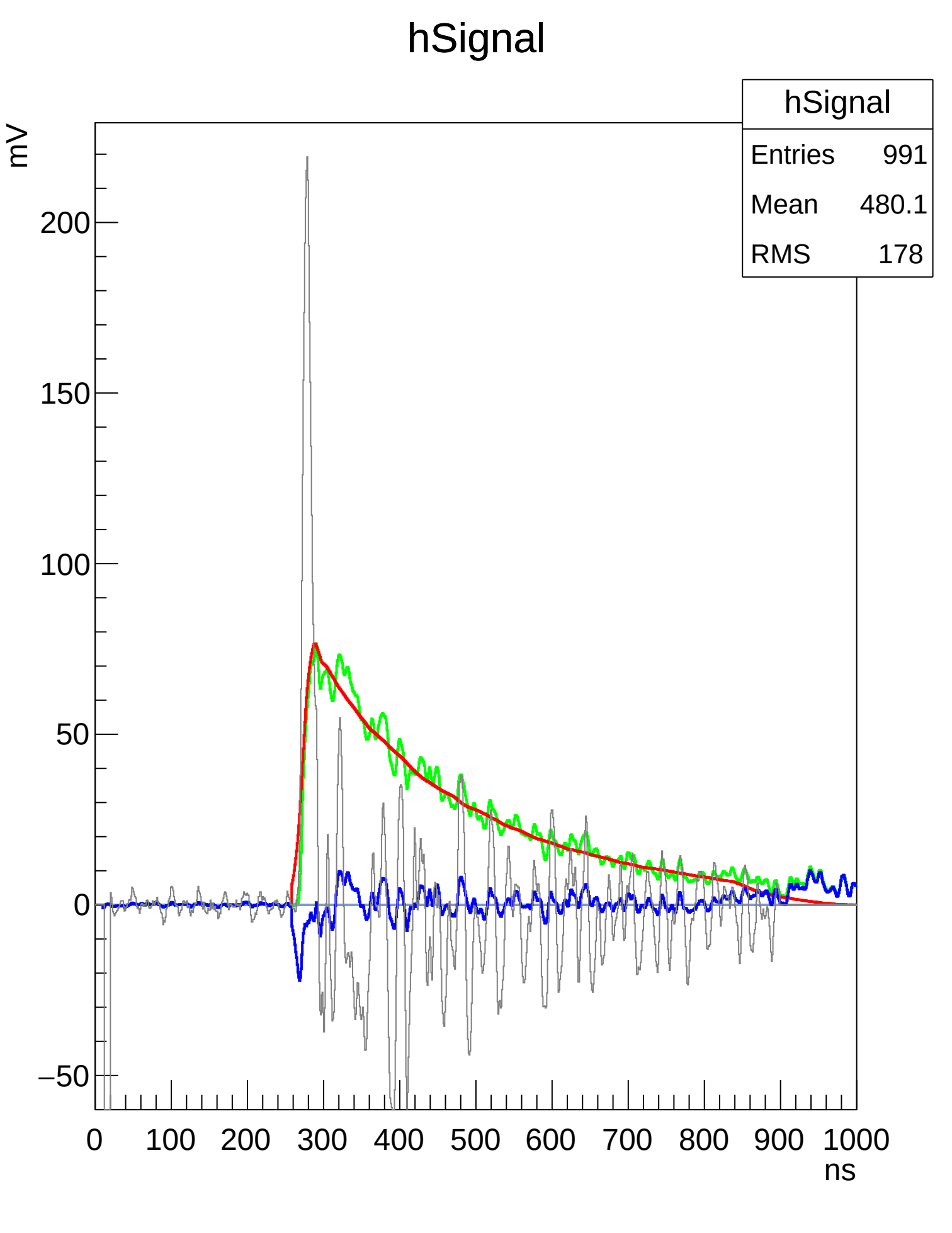

hSignal
hSignal
Entries 991
Mean 537.2
RMS 170.6
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

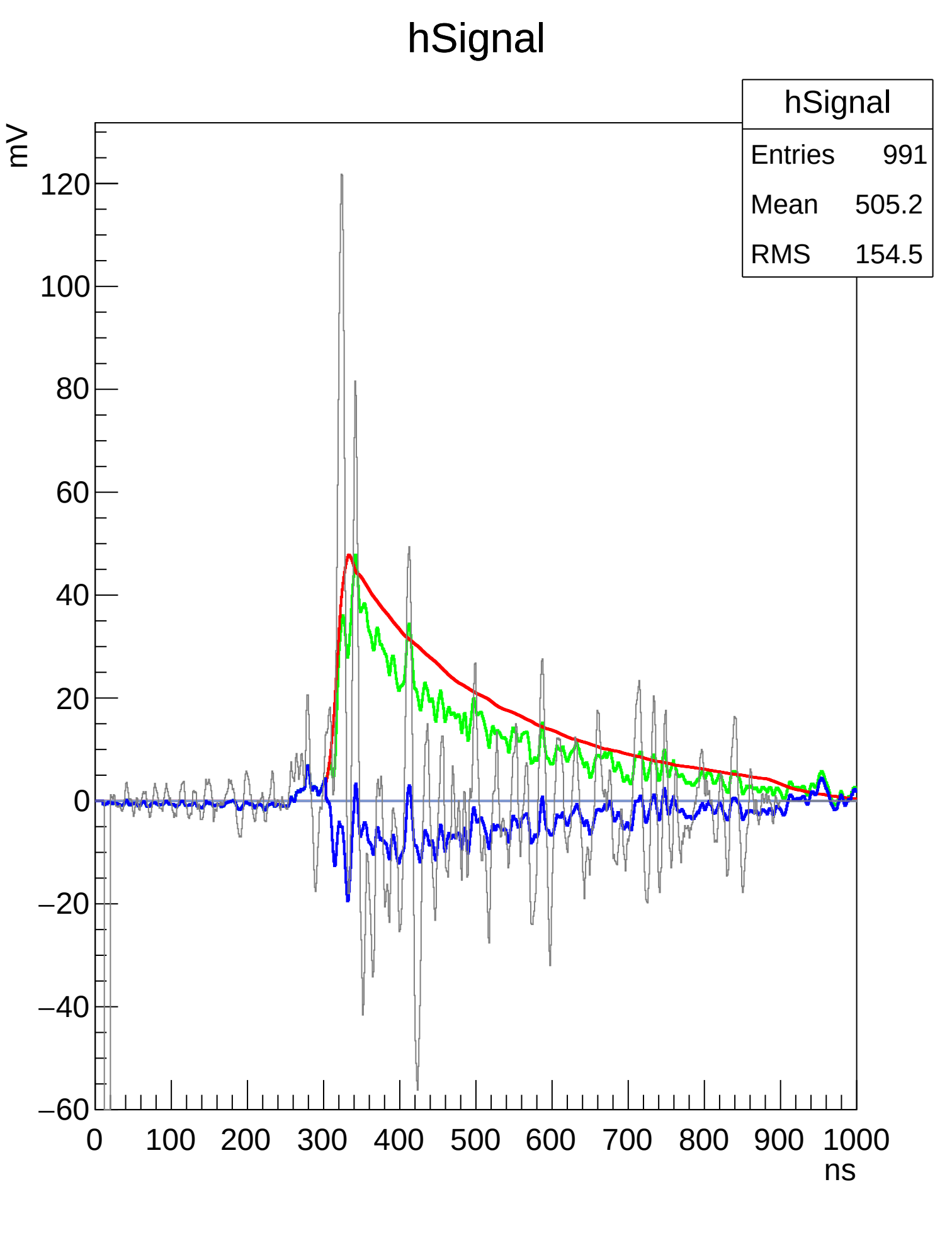

hSignal
hSignal
Entries 991
Mean 504.2
RMS 176.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

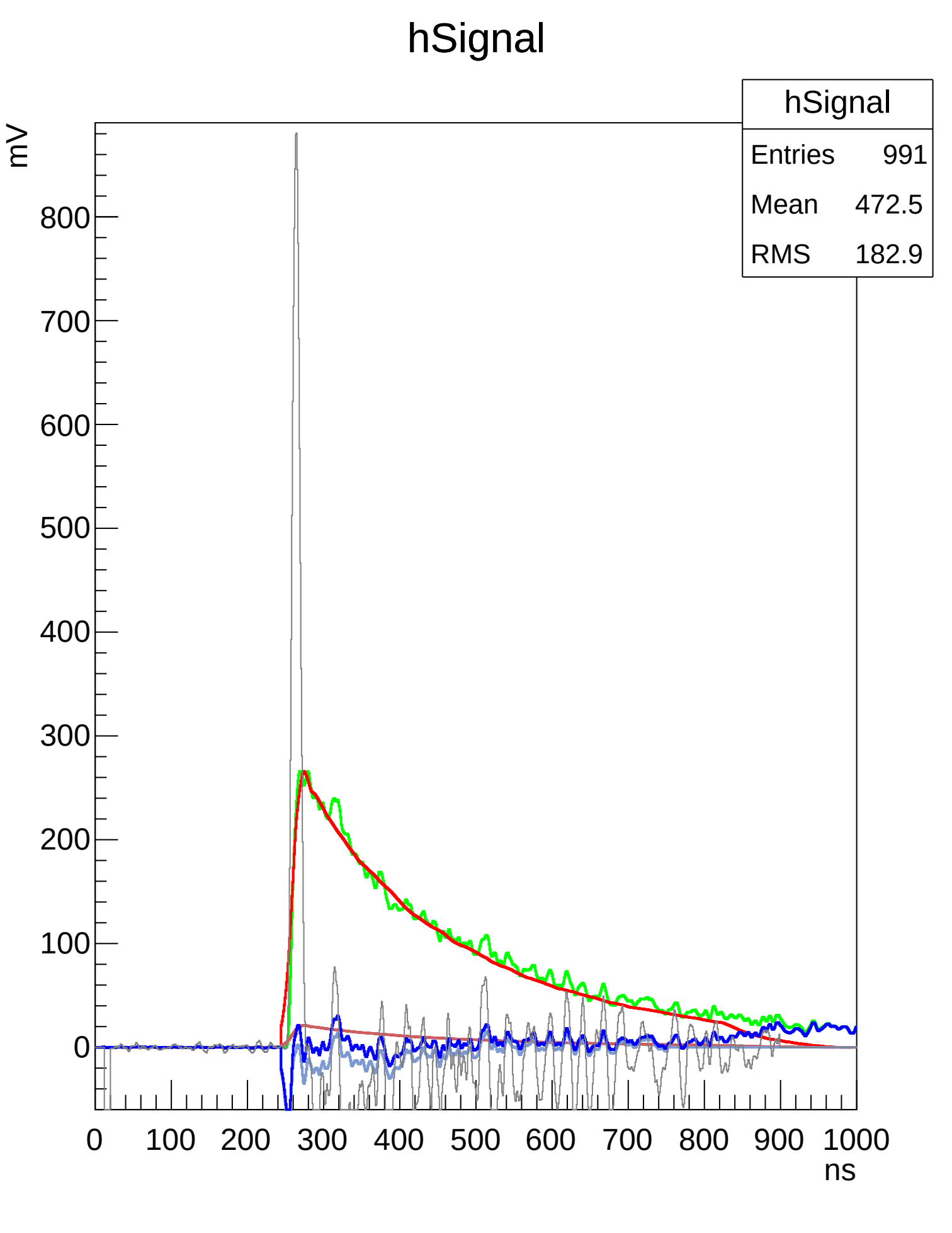

hSignal
hSignal
Entries 991
Mean 559.7
RMS 161
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

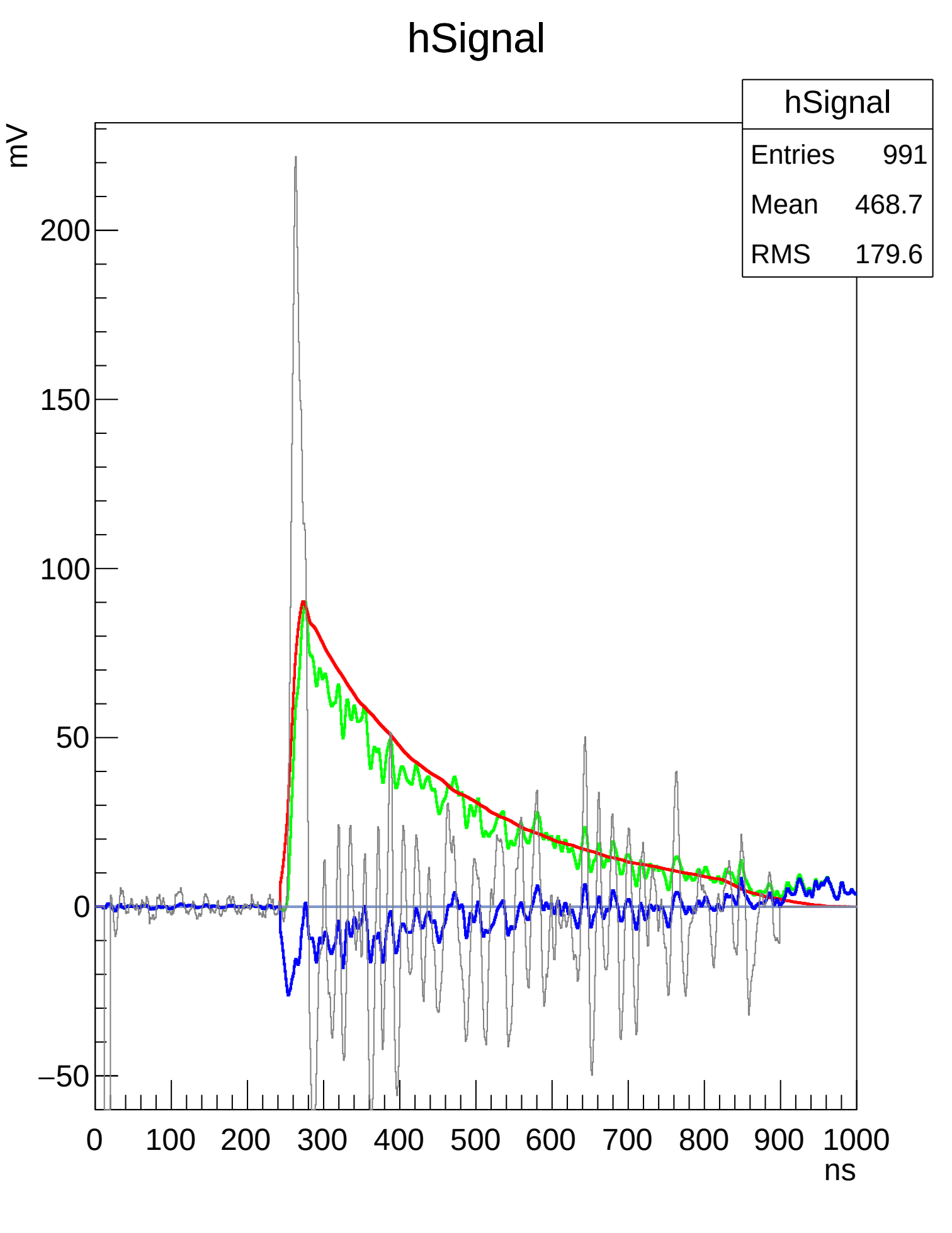

hSignal
hSignal
Entries 991
Mean 509.3
RMS 171.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

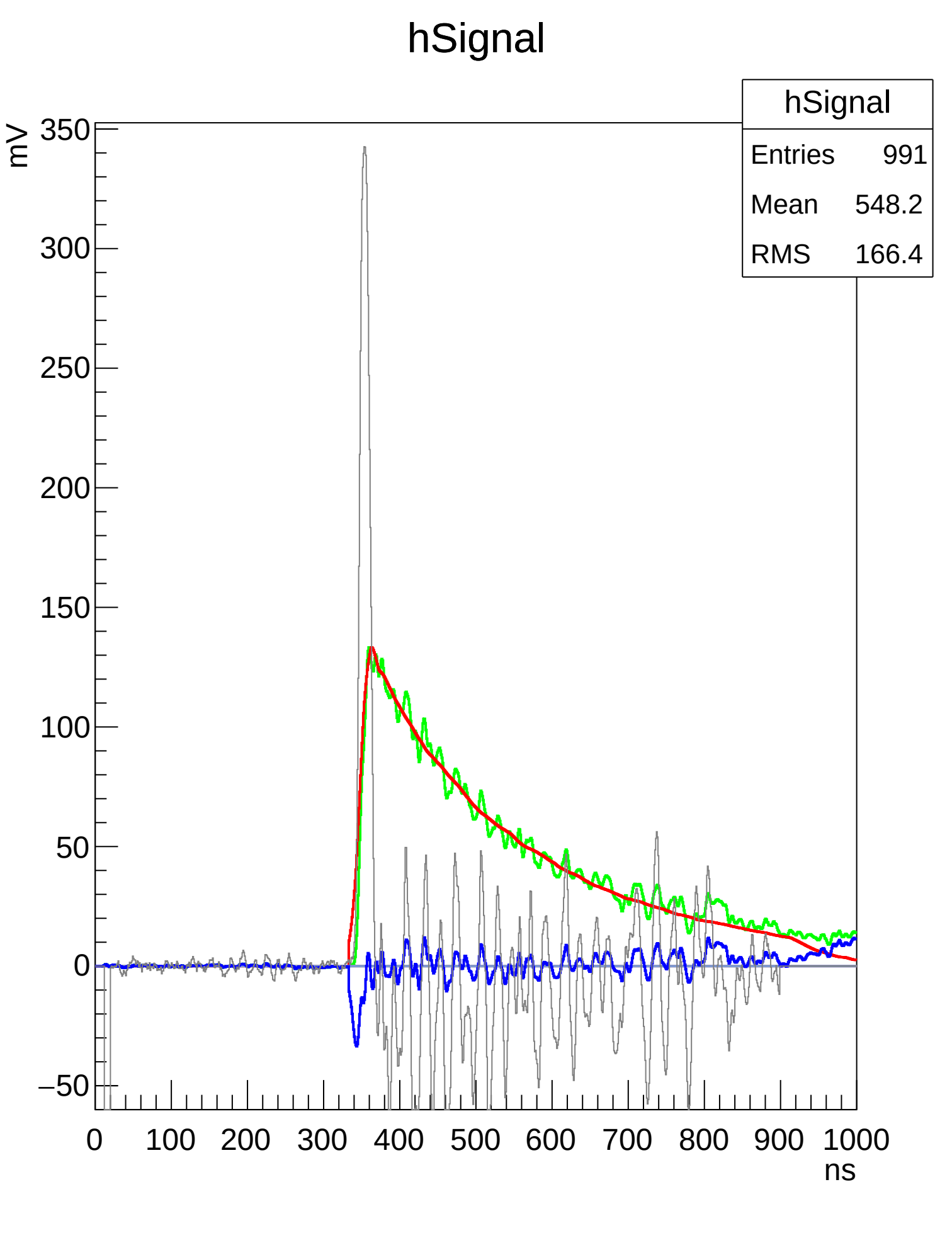

hSignal
hSignal
Entries 991
Mean 519.9
RMS 173.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

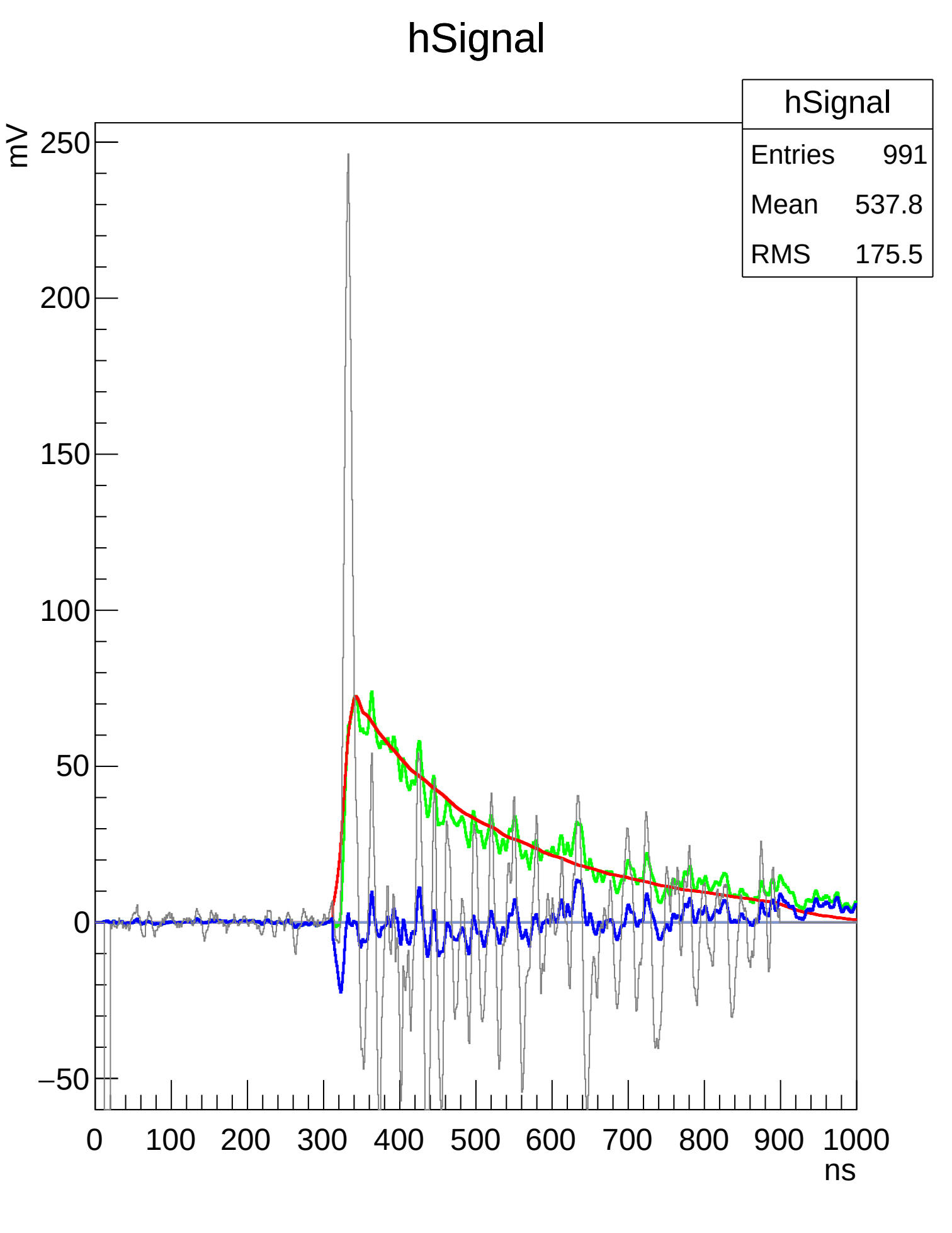

hSignal
hSignal
Entries 991
Mean 480.1
RMS 178
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

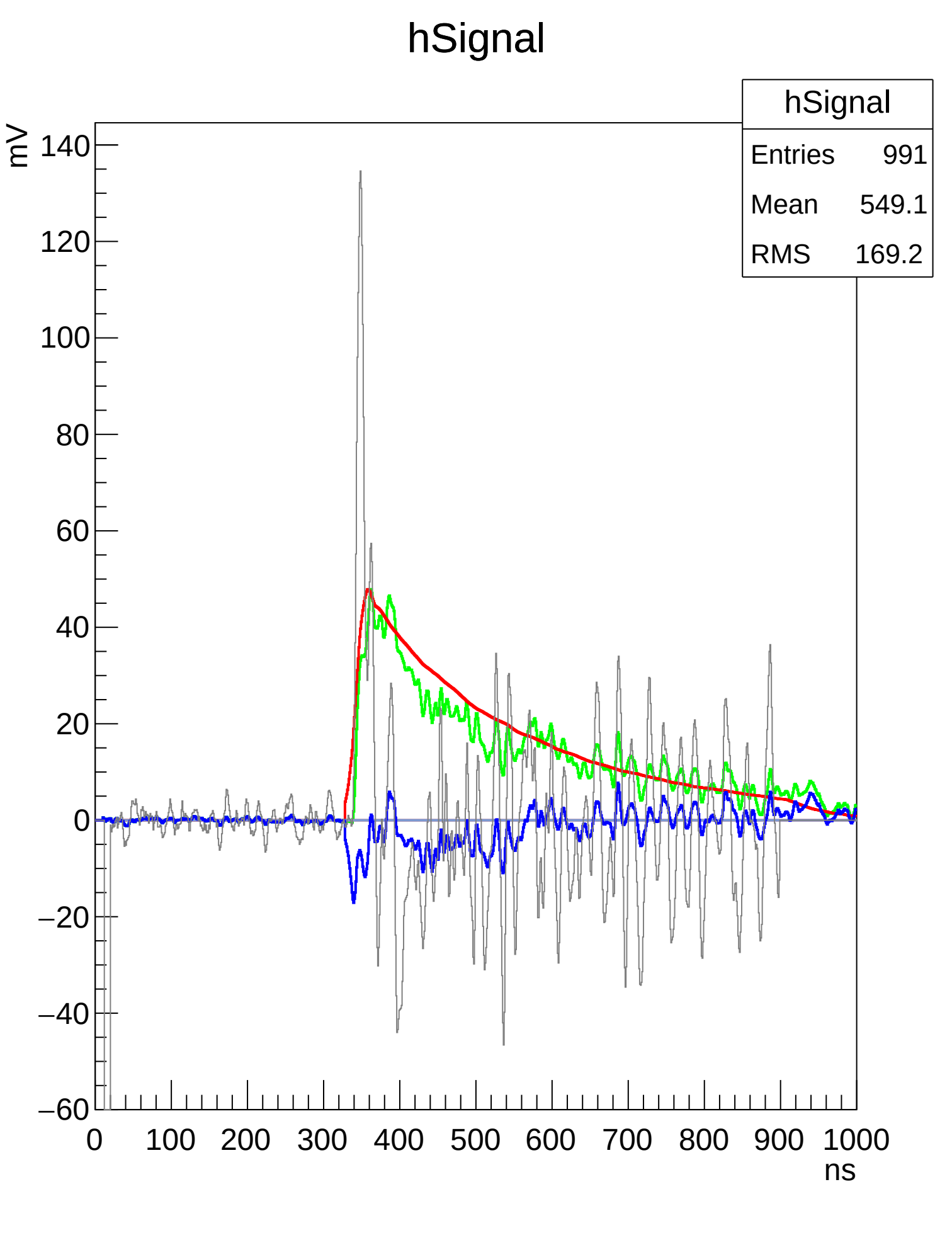

hSignal
hSignal
Entries 991
Mean 505.2
RMS 154.5
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

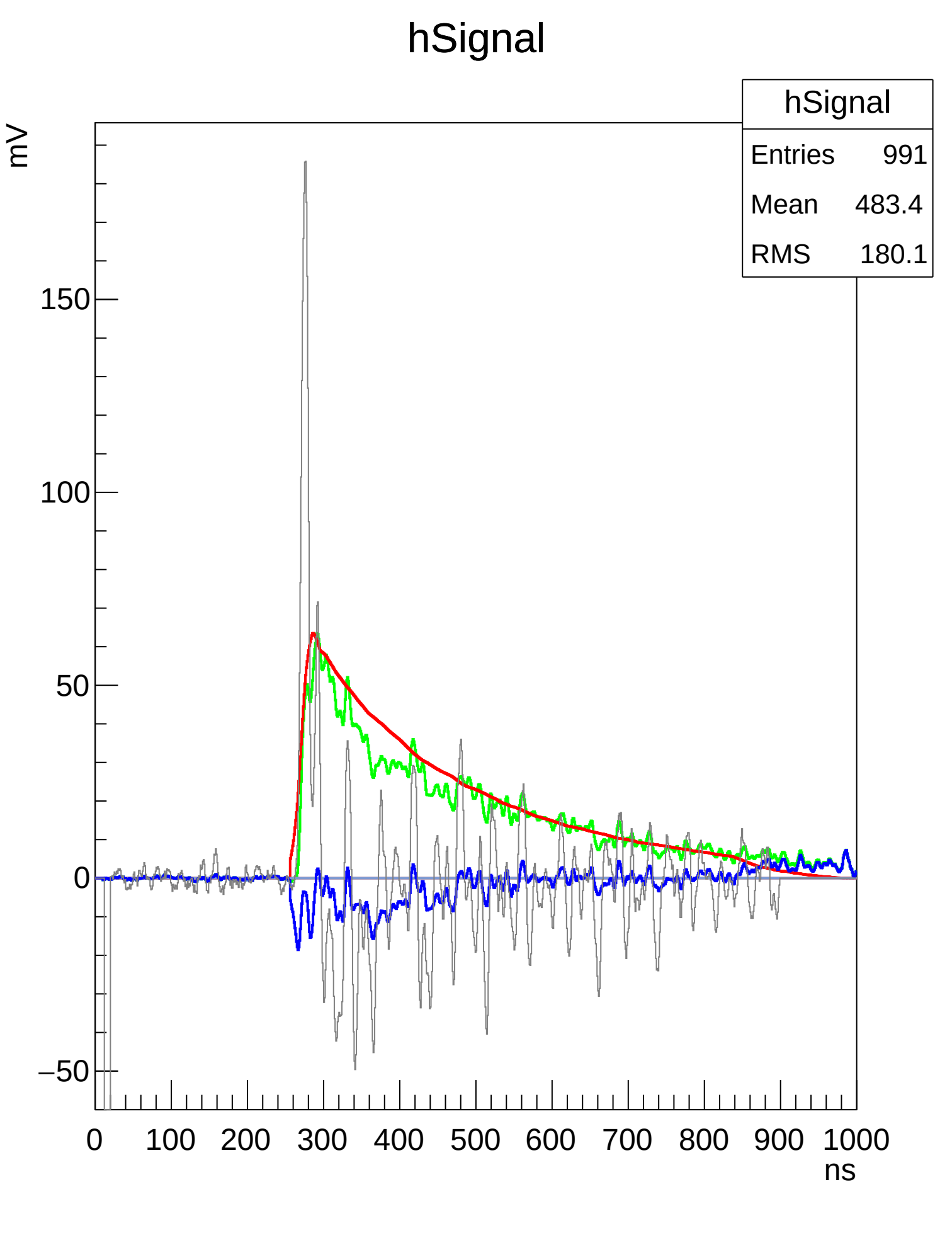

hSignal
hSignal
Entries 991
Mean 472.5
RMS 182.9
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

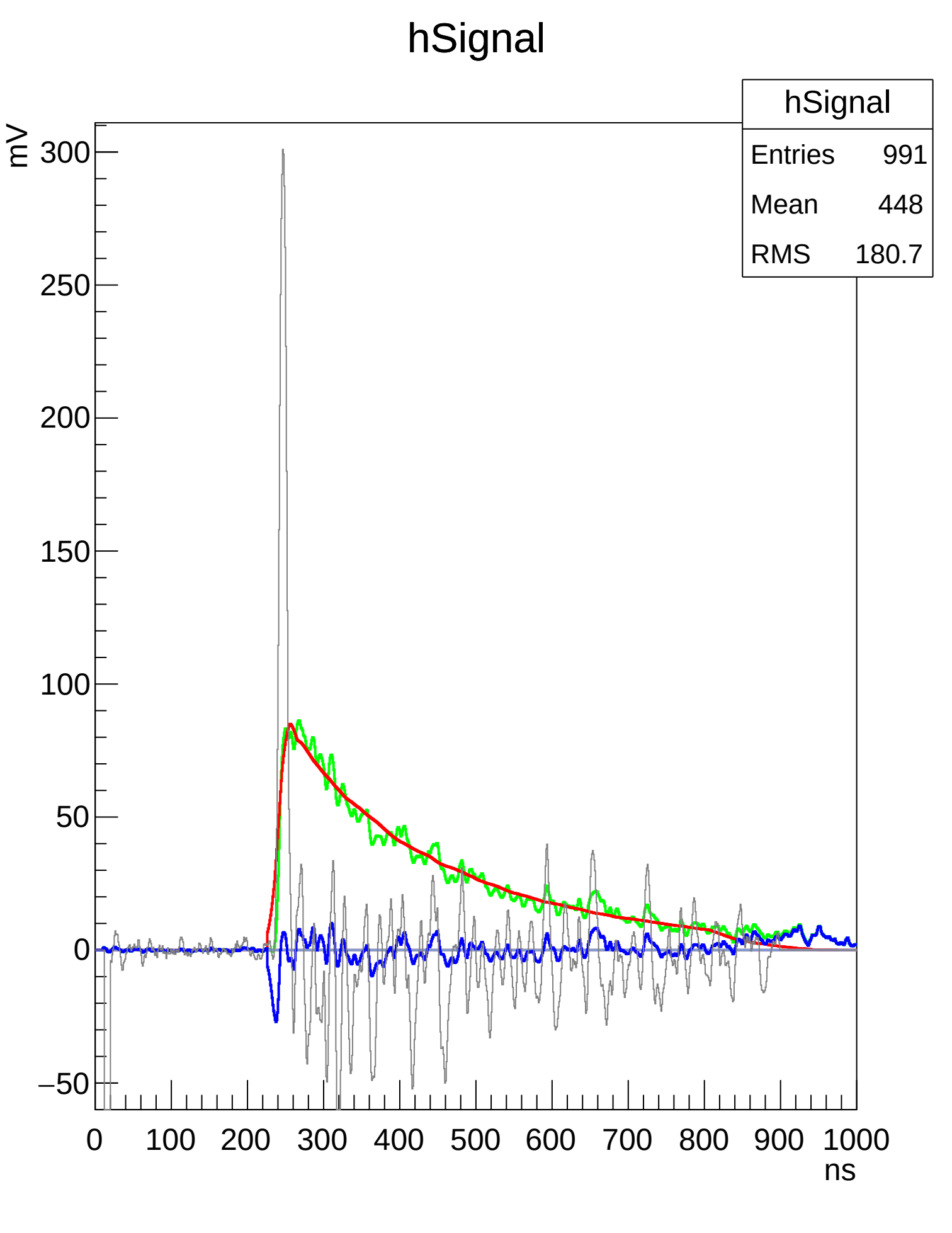

hSignal
hSignal
Entries 991
Mean 468.7
RMS 179.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

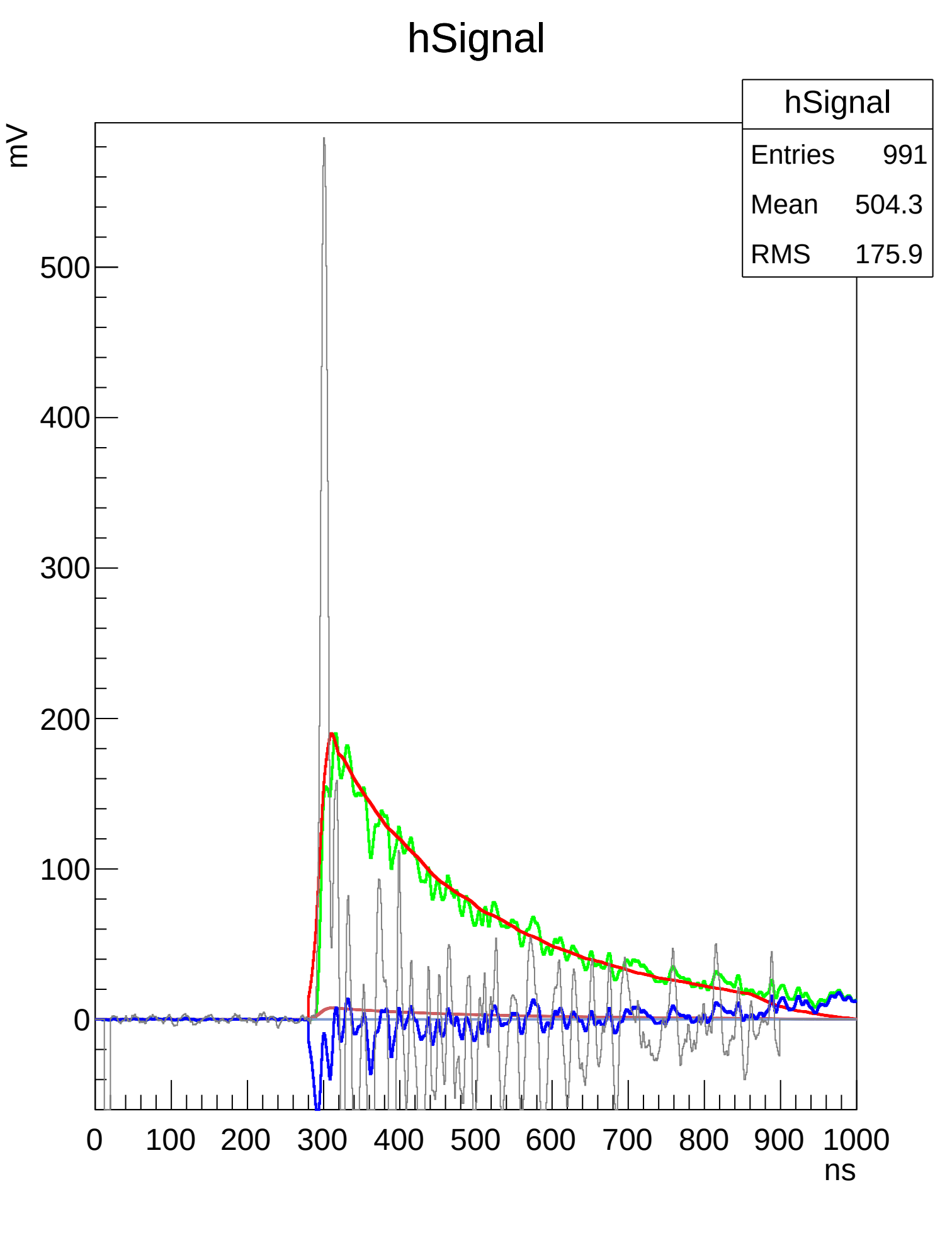

hSignal
hSignal
Entries 991
Mean 548.2
RMS 166.4
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

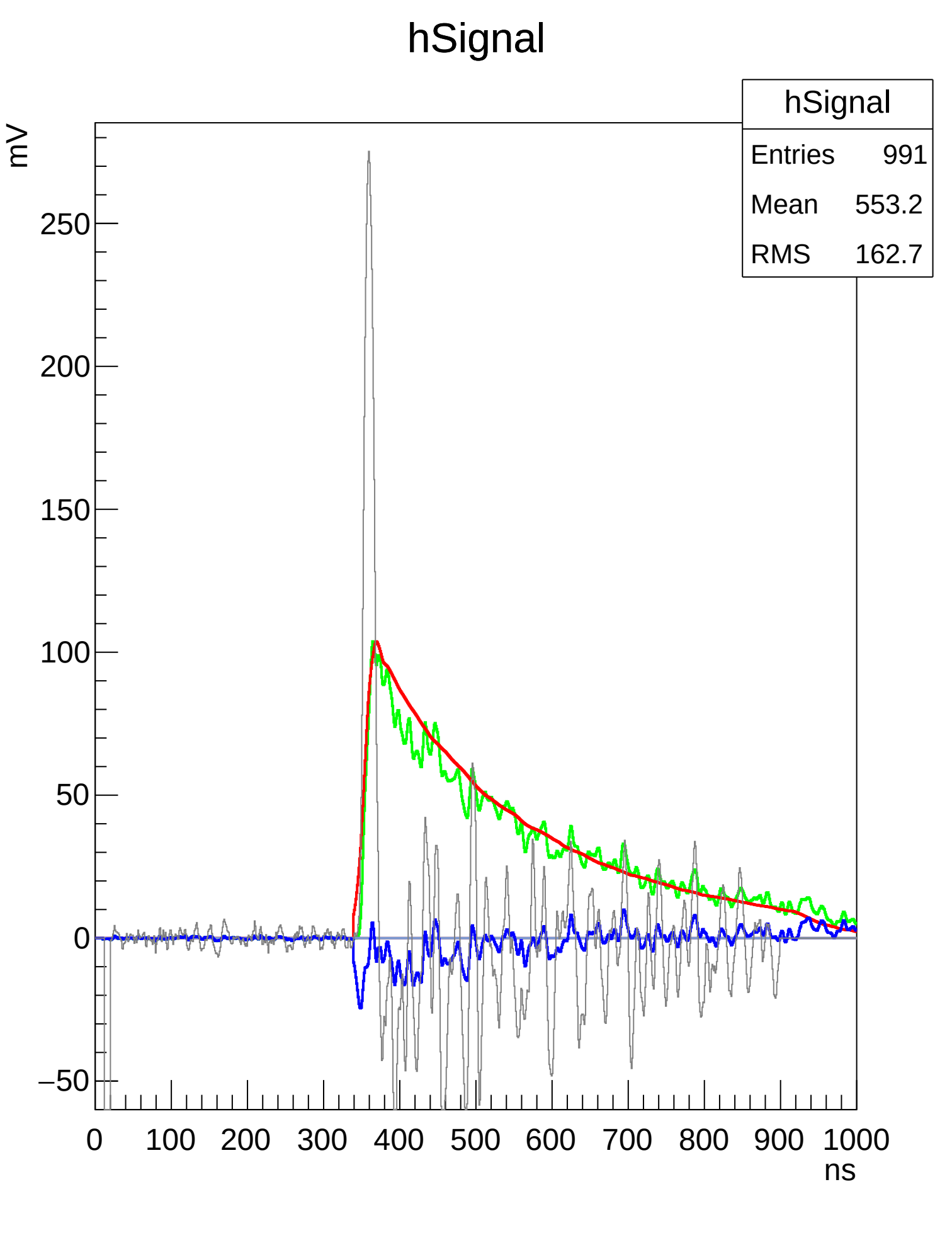

hSignal
hSignal
Entries 991
Mean 537.8
RMS 175.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

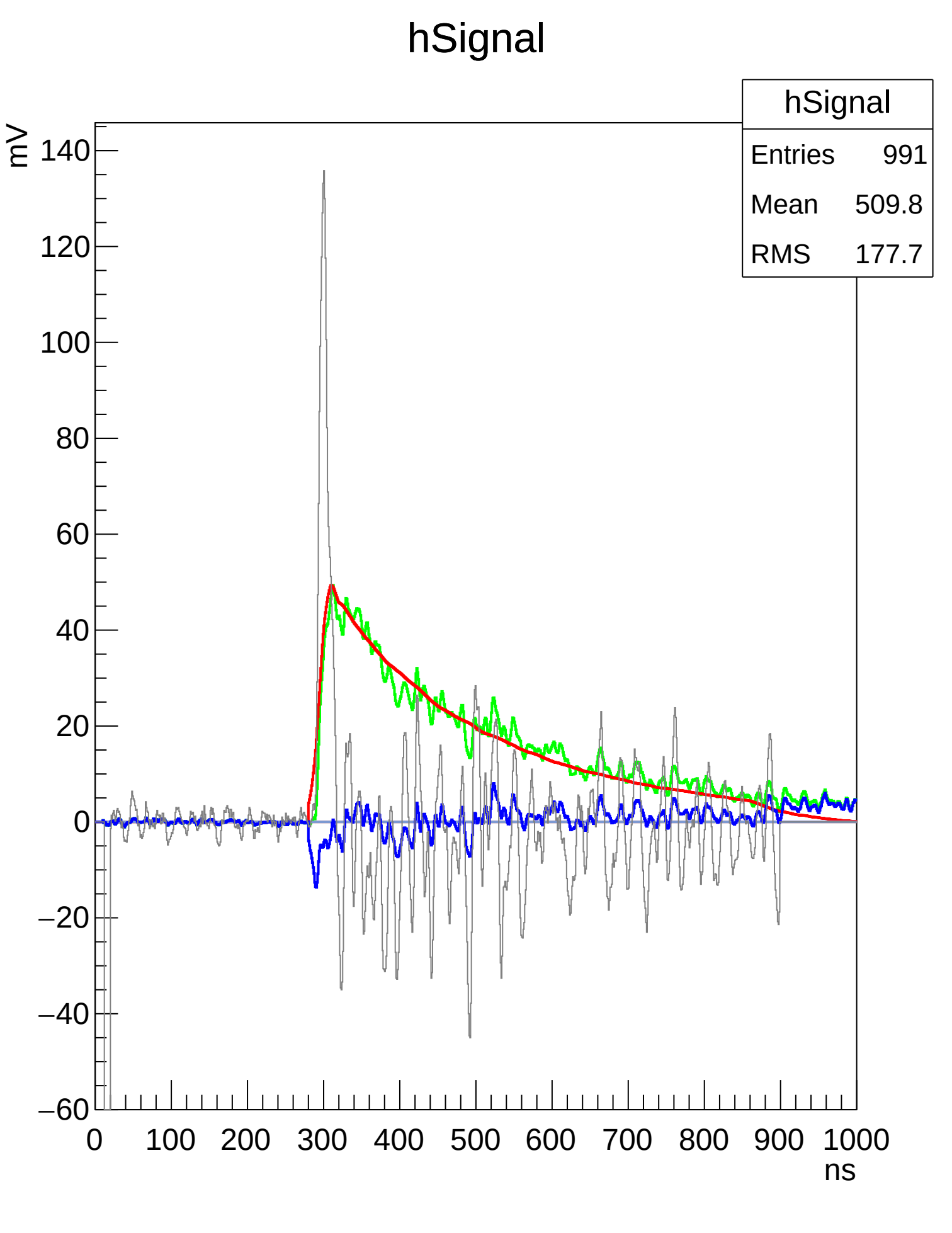

hSignal
hSignal
Entries 991
Mean 549.1
RMS 169.2
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

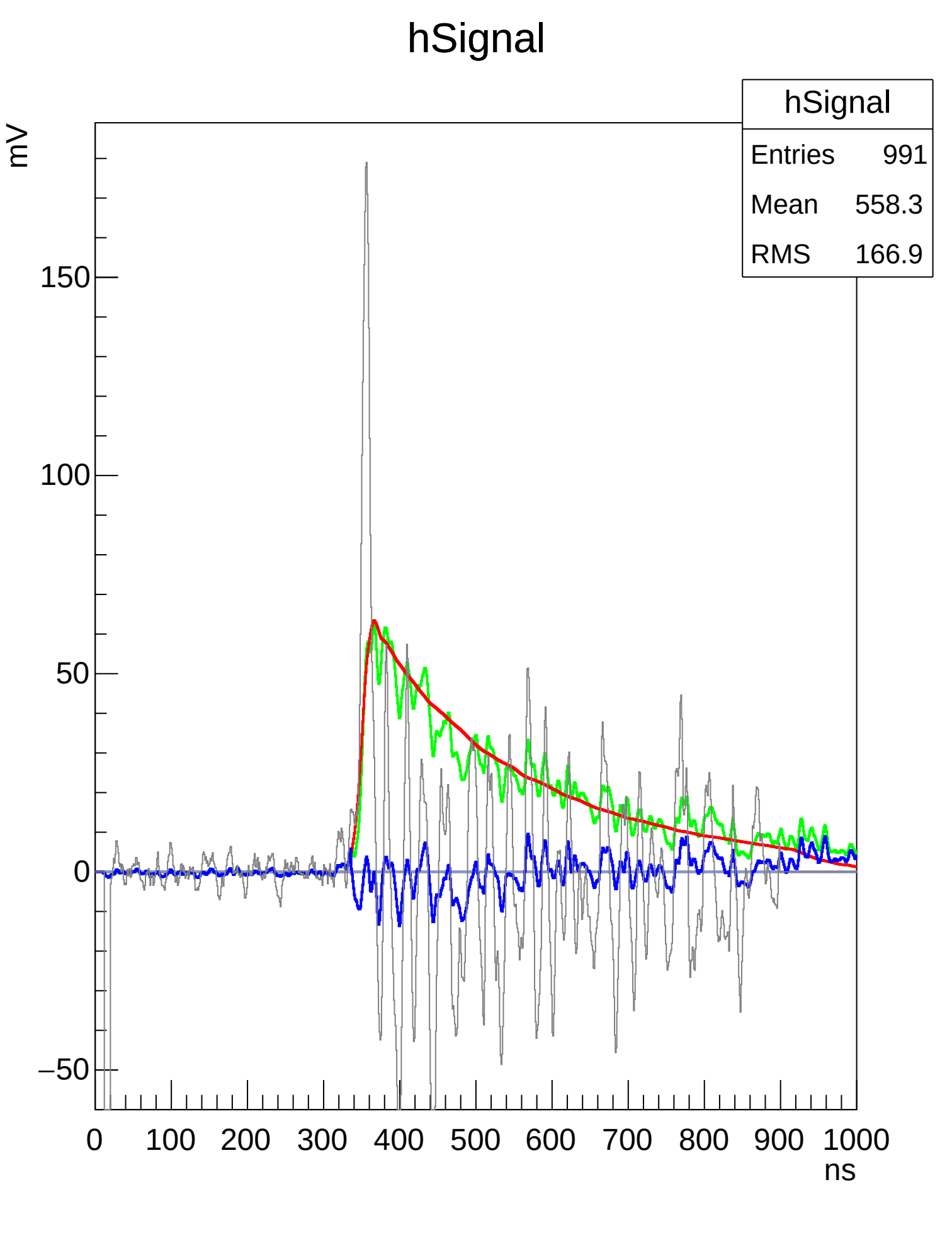

hSignal
hSignal
Entries 991
Mean 483.4
RMS 180.1
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

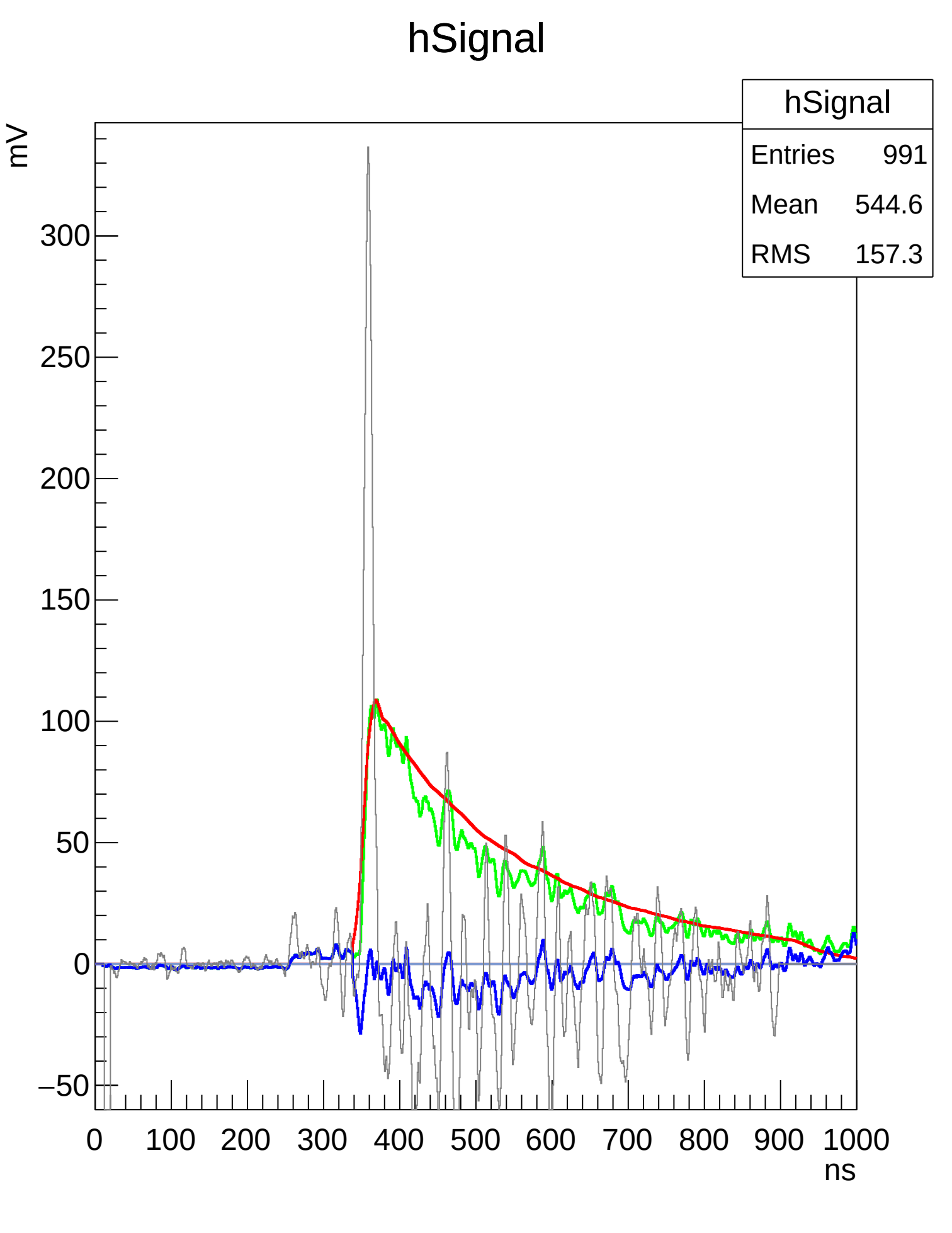

hSignal
hSignal
Entries 991
Mean 448
RMS 180.7
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

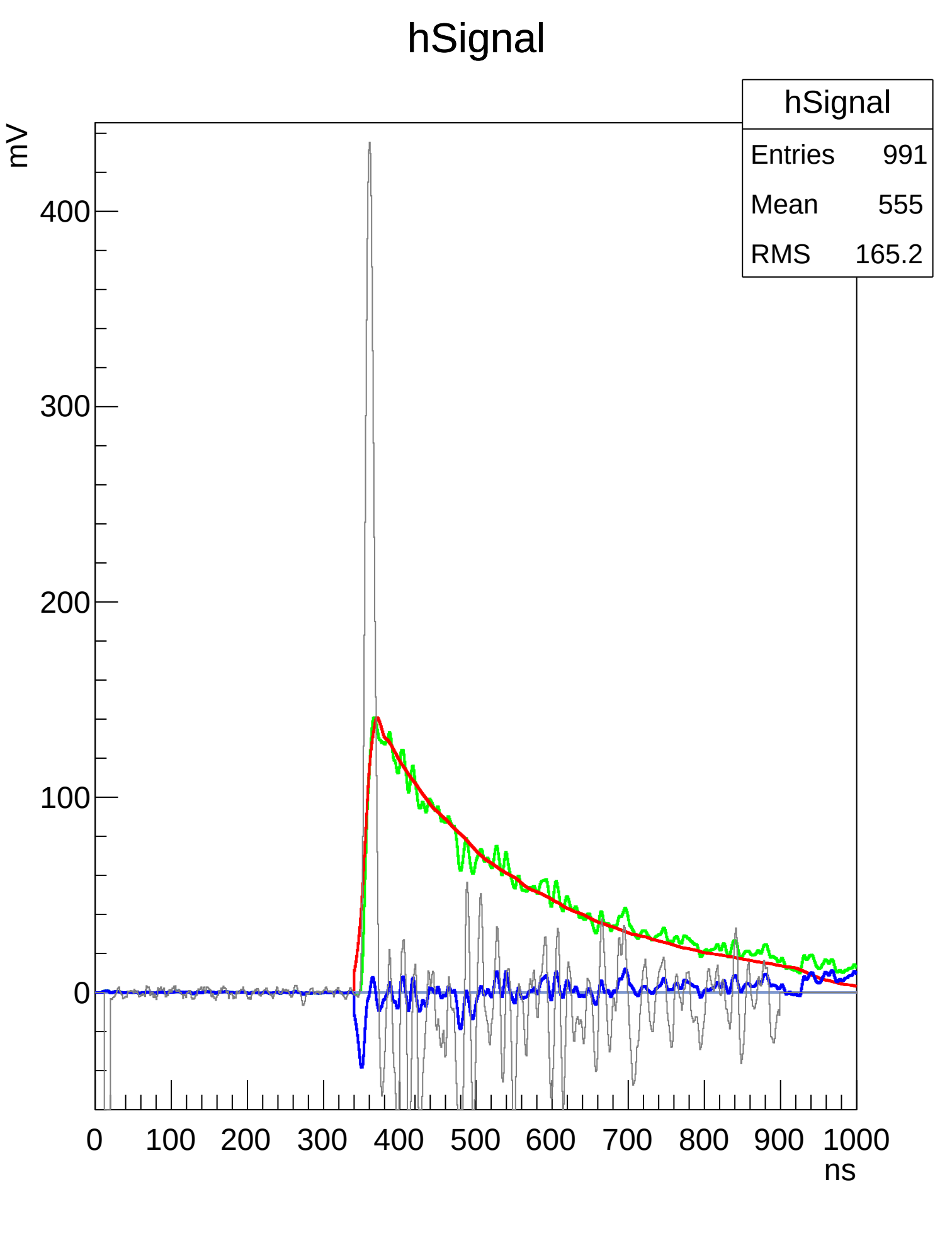

hSignal
hSignal
Entries 991
Mean 504.3
RMS 175.9
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

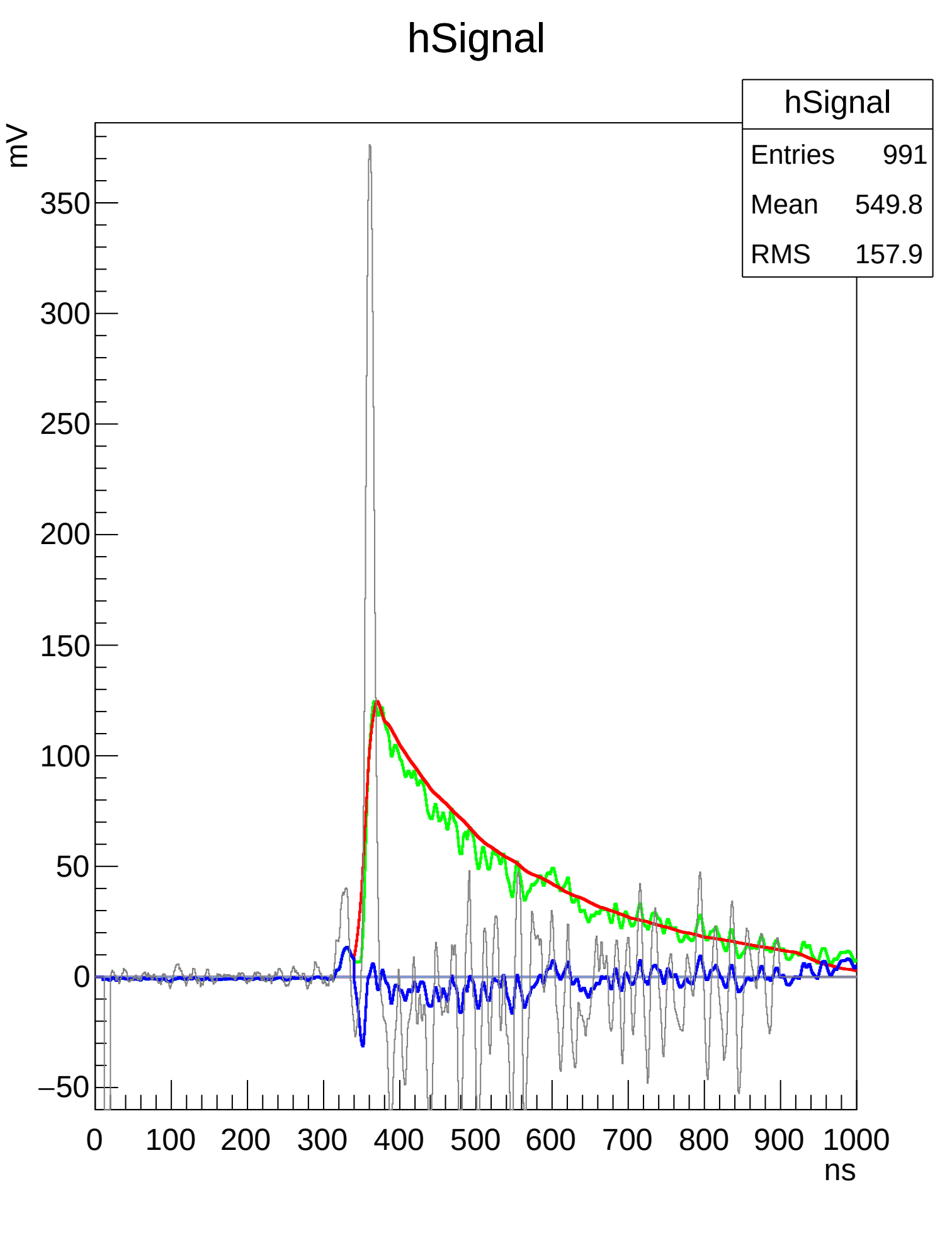

hSignal
hSignal
Entries 991
Mean 553.2
RMS 162.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

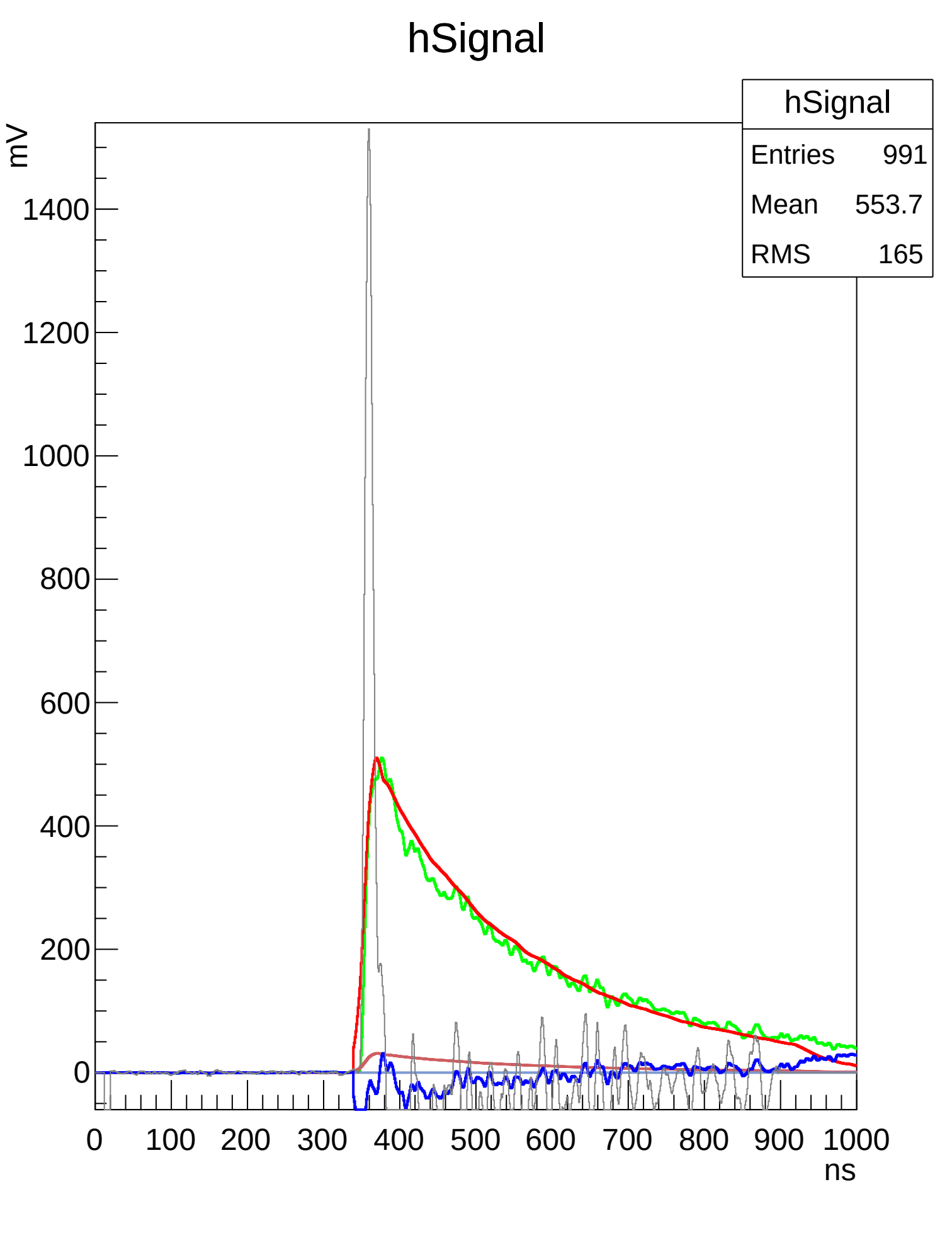

hSignal
hSignal
Entries 991
Mean 509.8
RMS 177.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

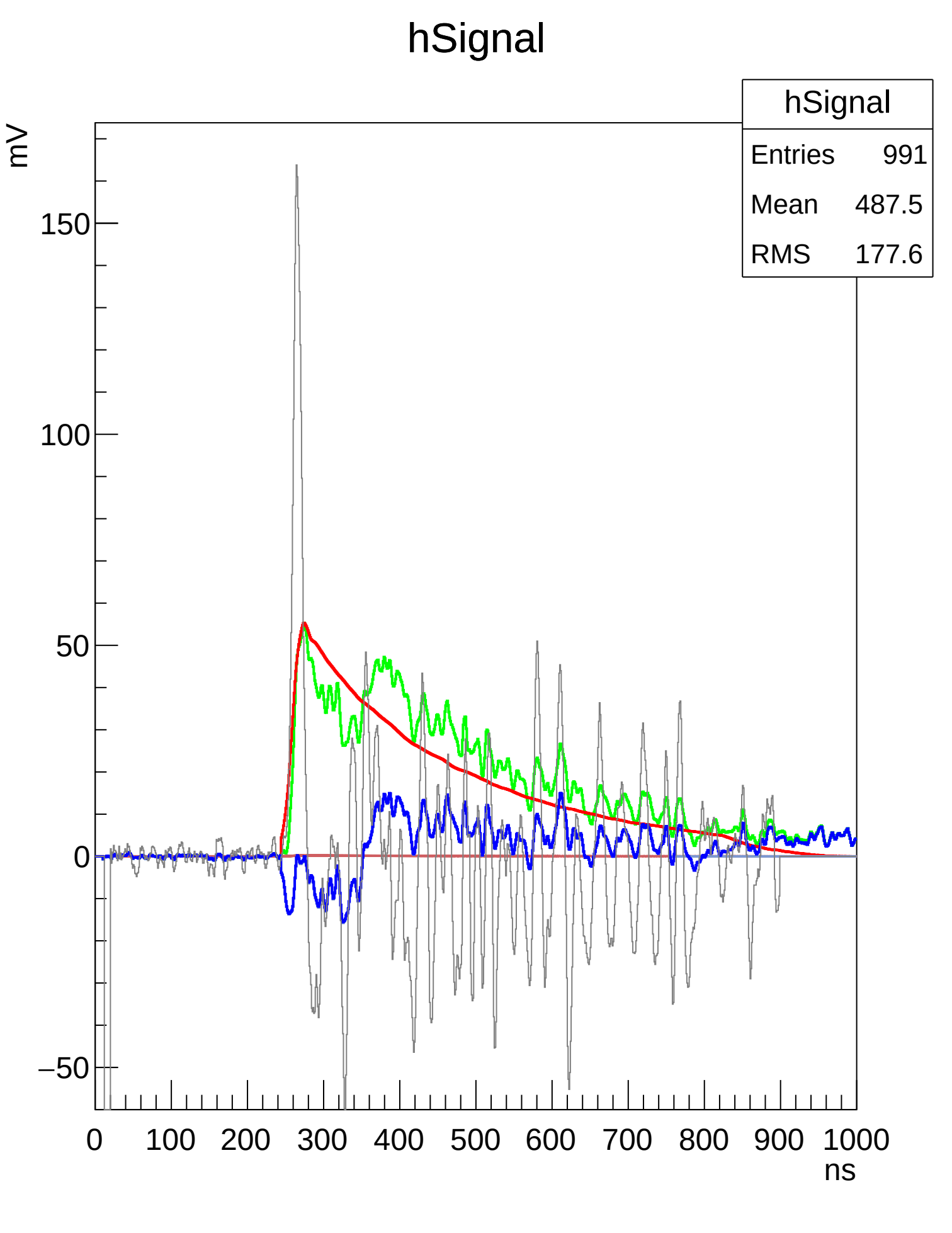

hSignal
hSignal
Entries 991
Mean 558.3
RMS 166.9
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

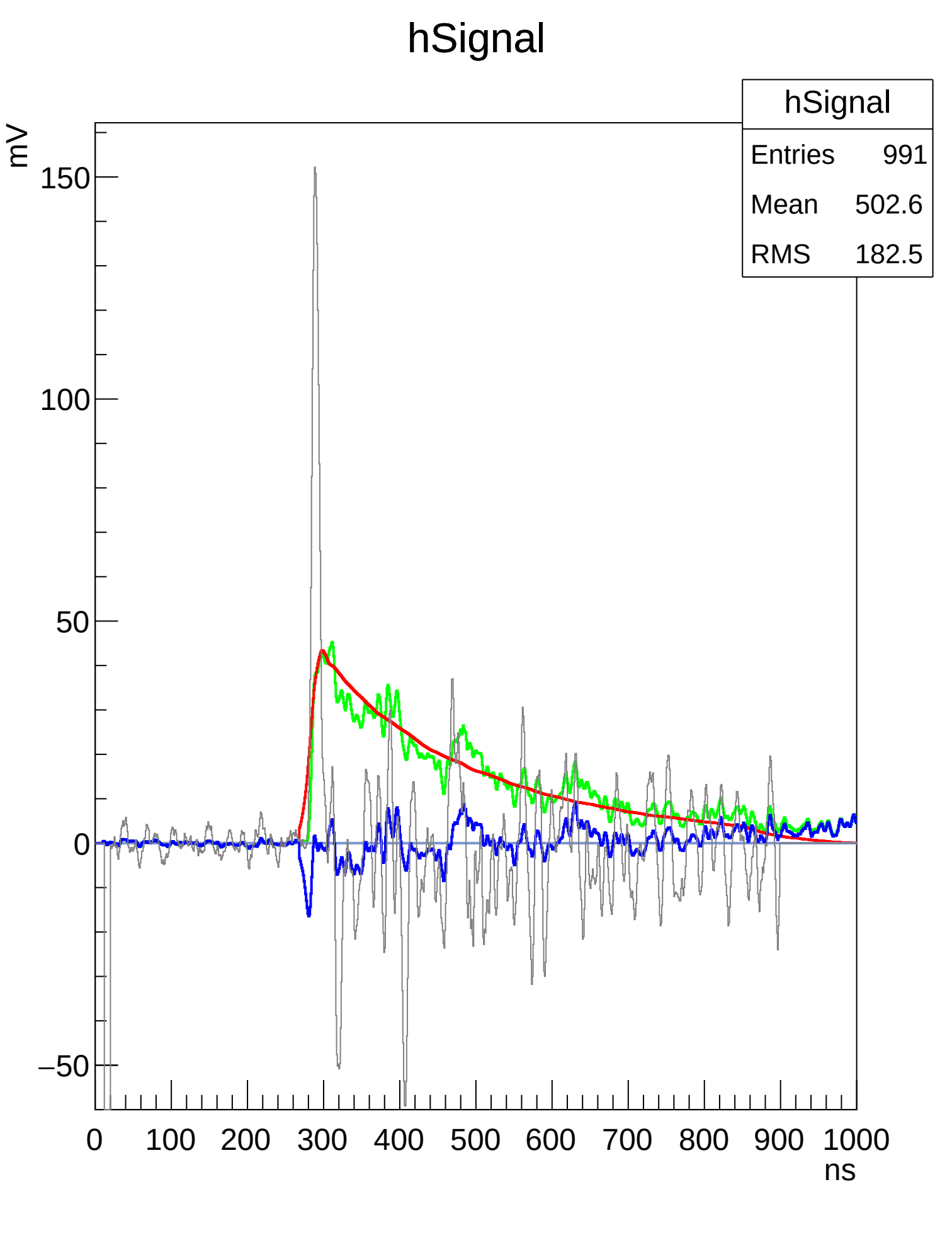

hSignal
hSignal
Entries 991
Mean 544.6
RMS 157.3
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

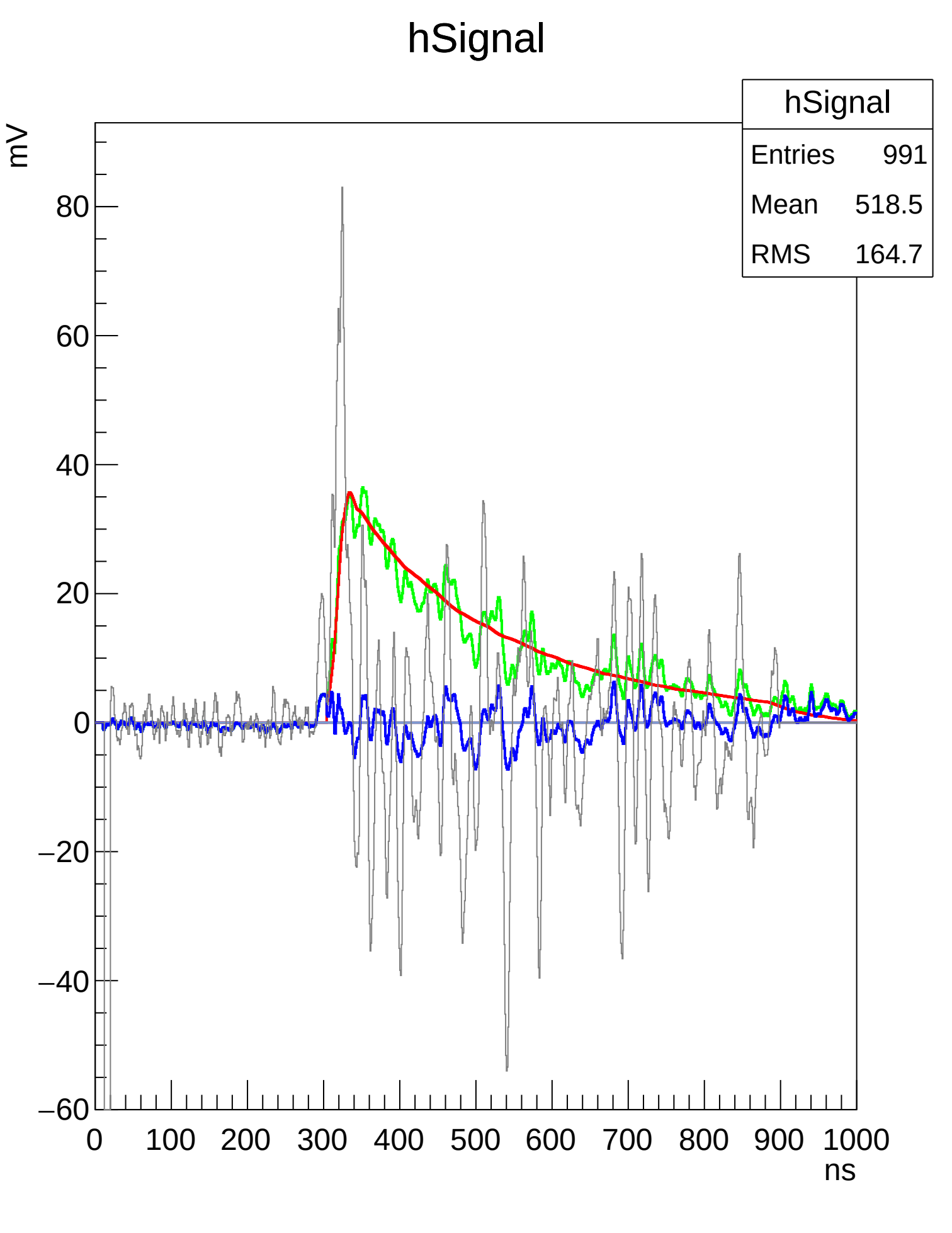

hSignal
hSignal
Entries 991
Mean 555
RMS 165.2
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

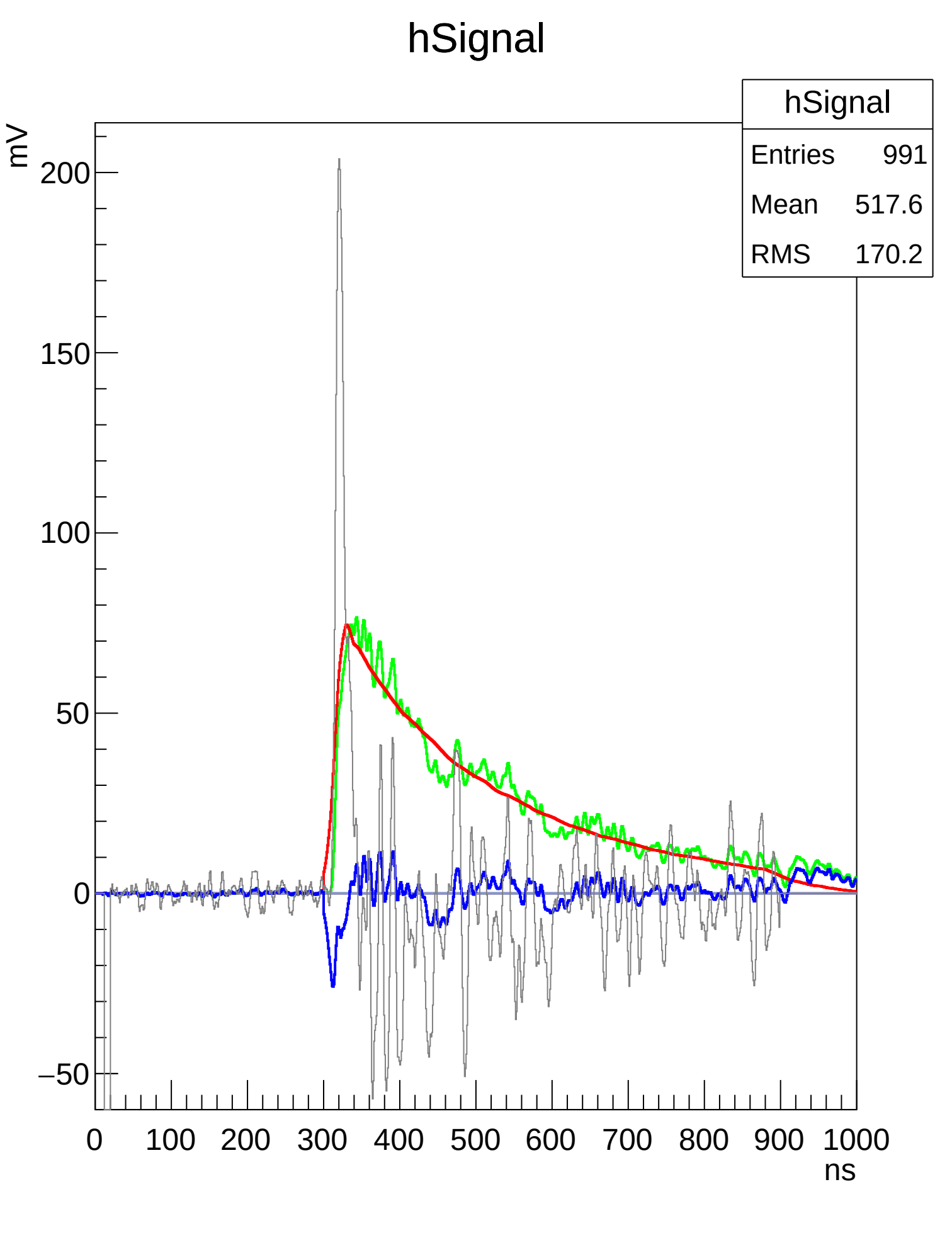

hSignal
hSignal
Entries 991
Mean 549.8
RMS 157.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

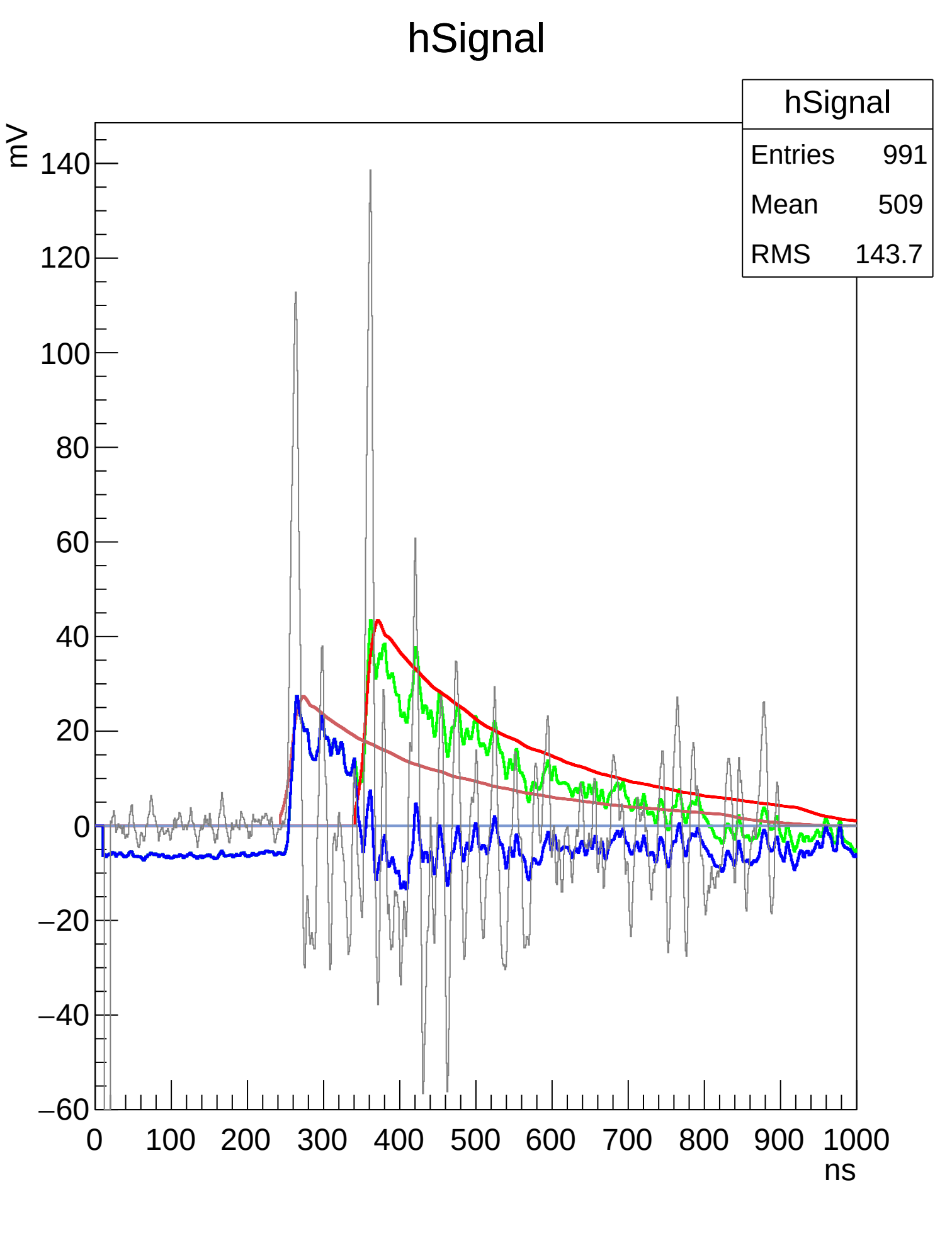

hSignal
hSignal
Entries 991
Mean 553.7
RMS 165
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

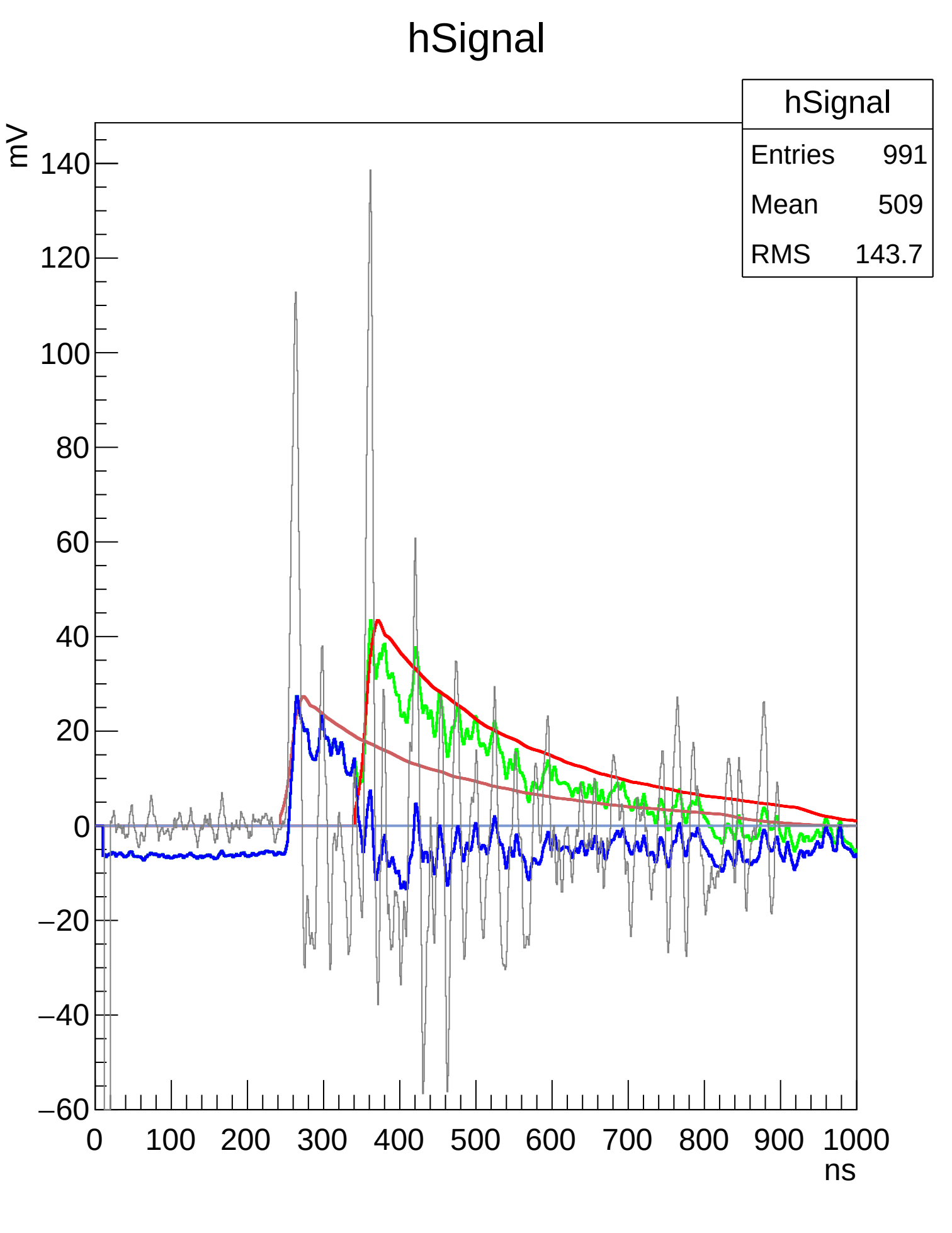

hSignal
hSignal
Entries 991
Mean 487.5
RMS 177.6
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 502.6
RMS 182.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 518.5
RMS 164.7
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 517.6
RMS 170.2
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 509
RMS 143.7
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 509
RMS 143.7
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns