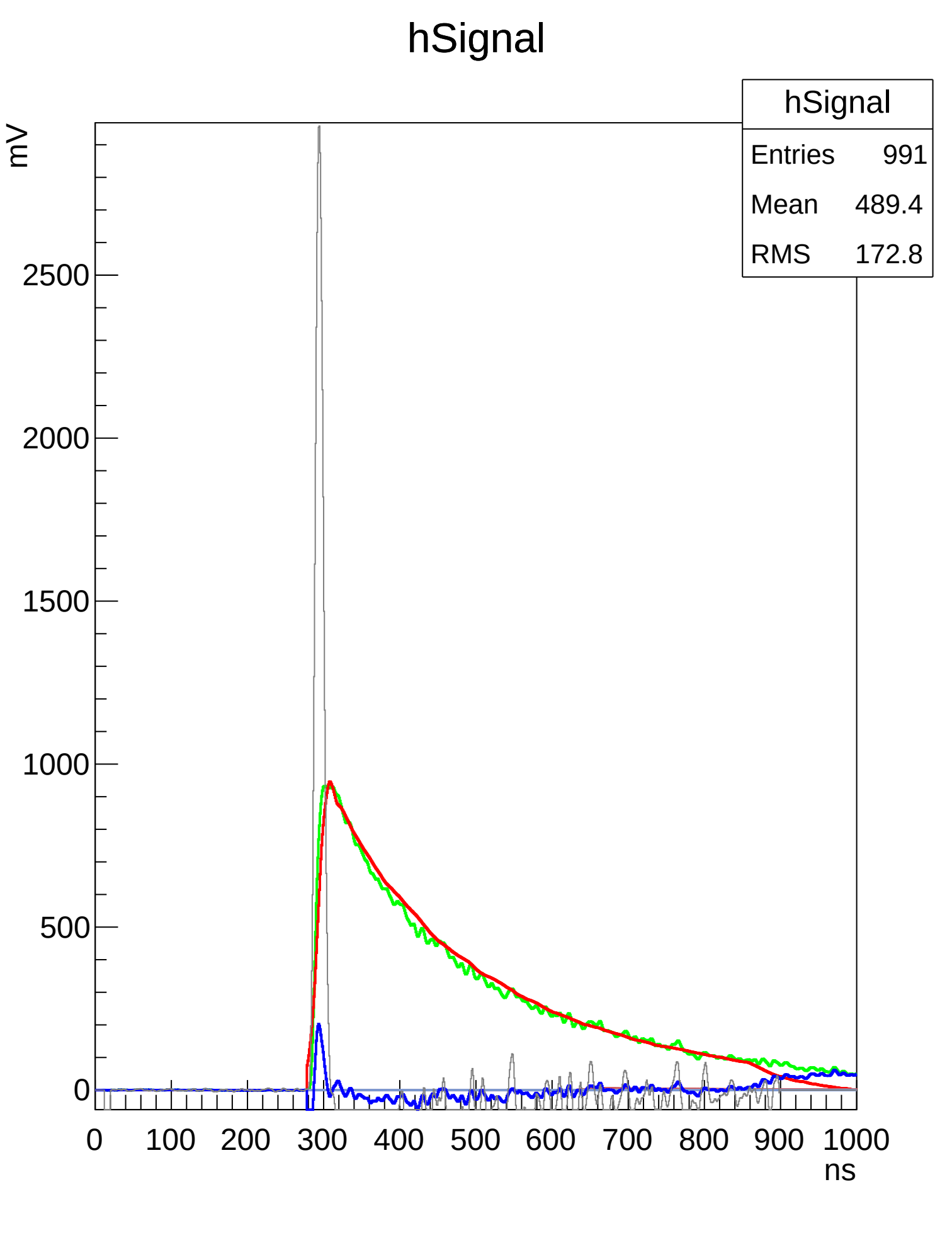
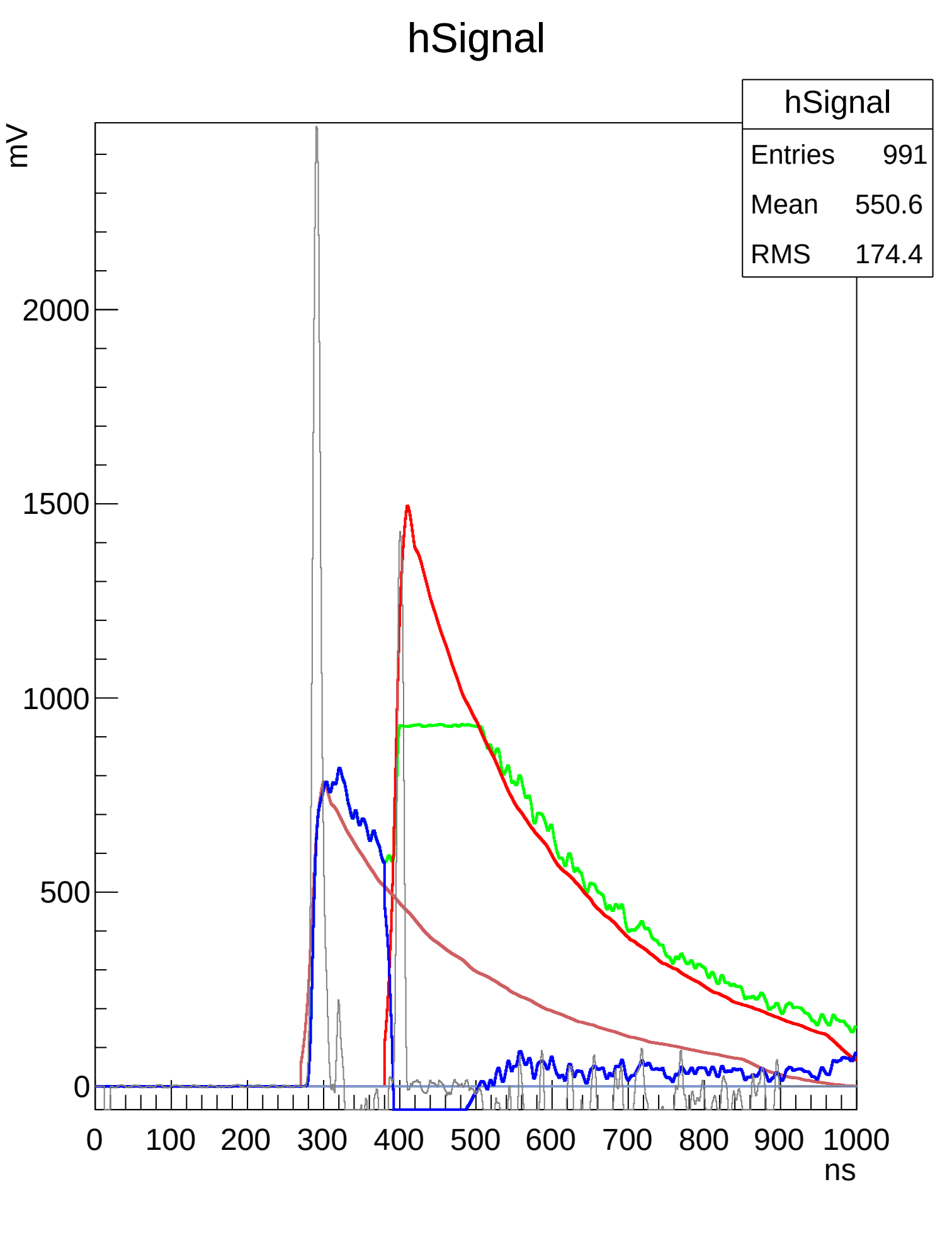
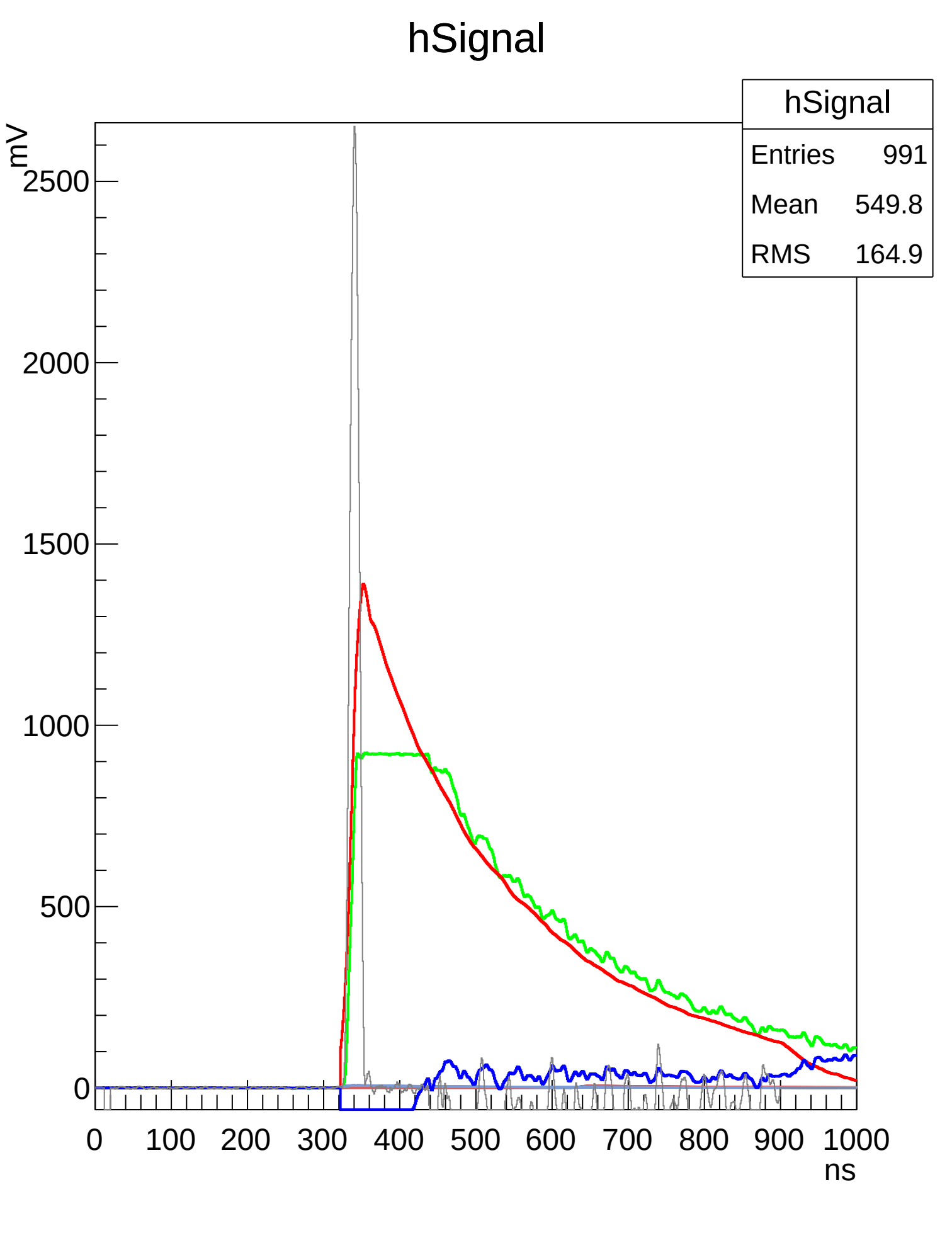
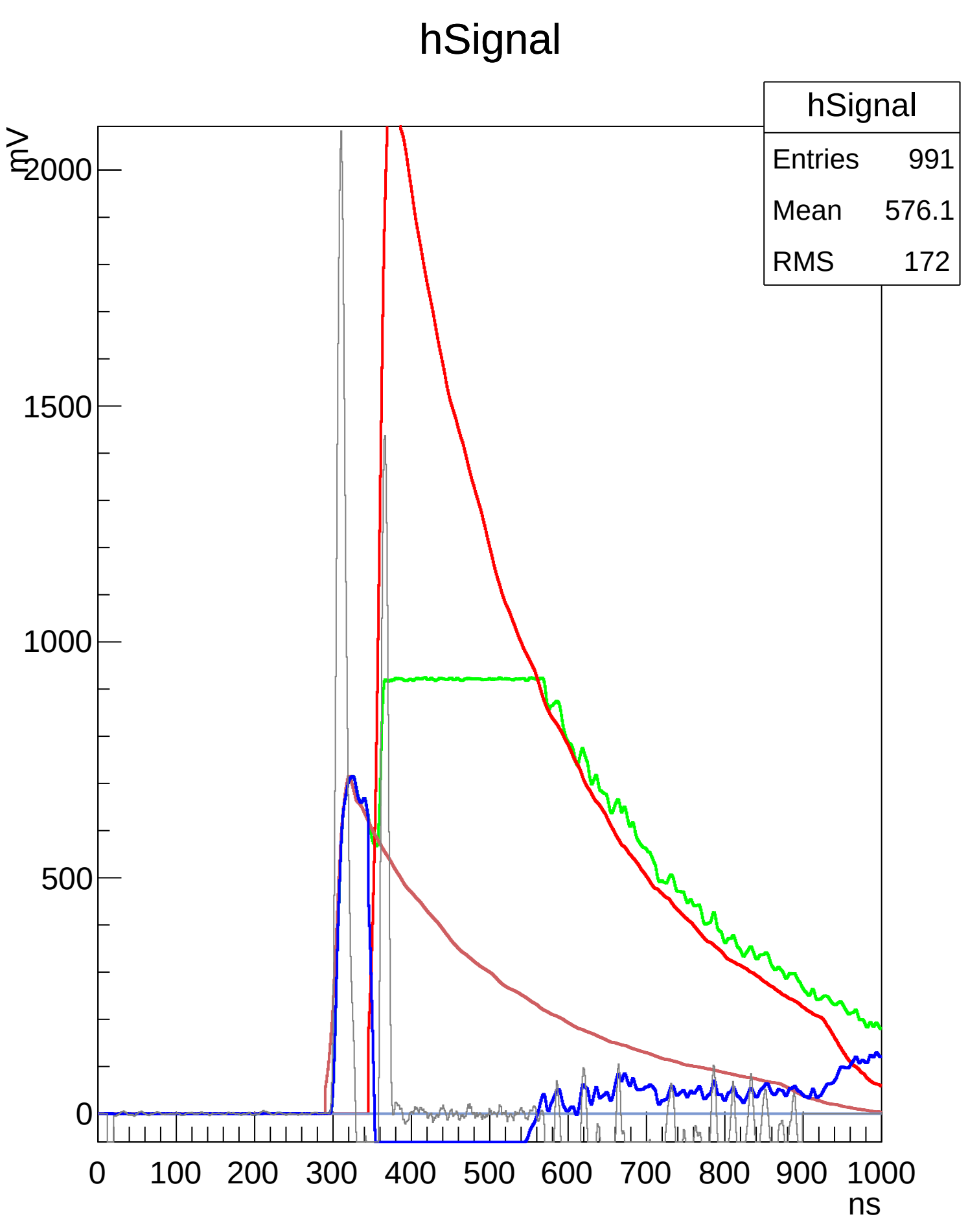
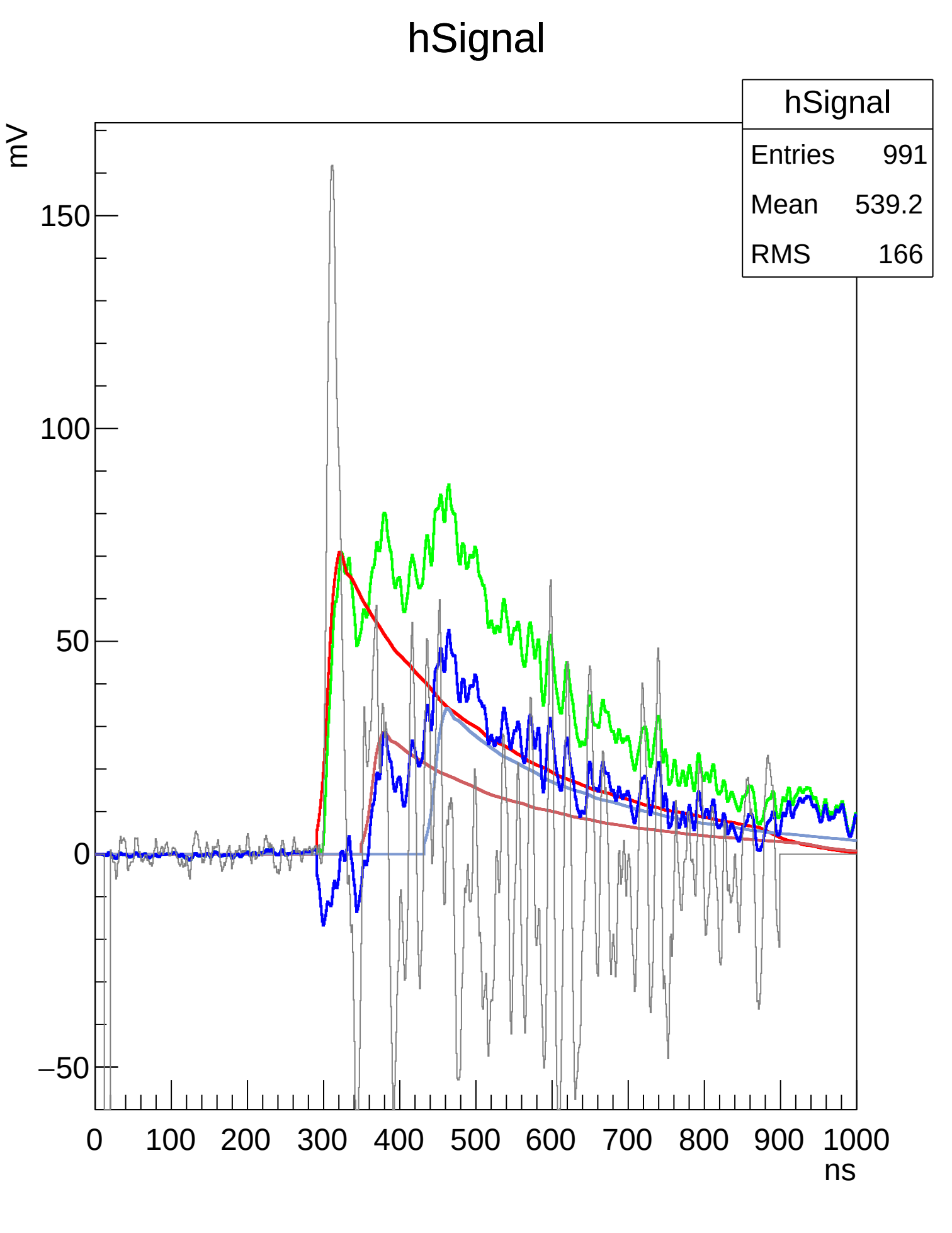
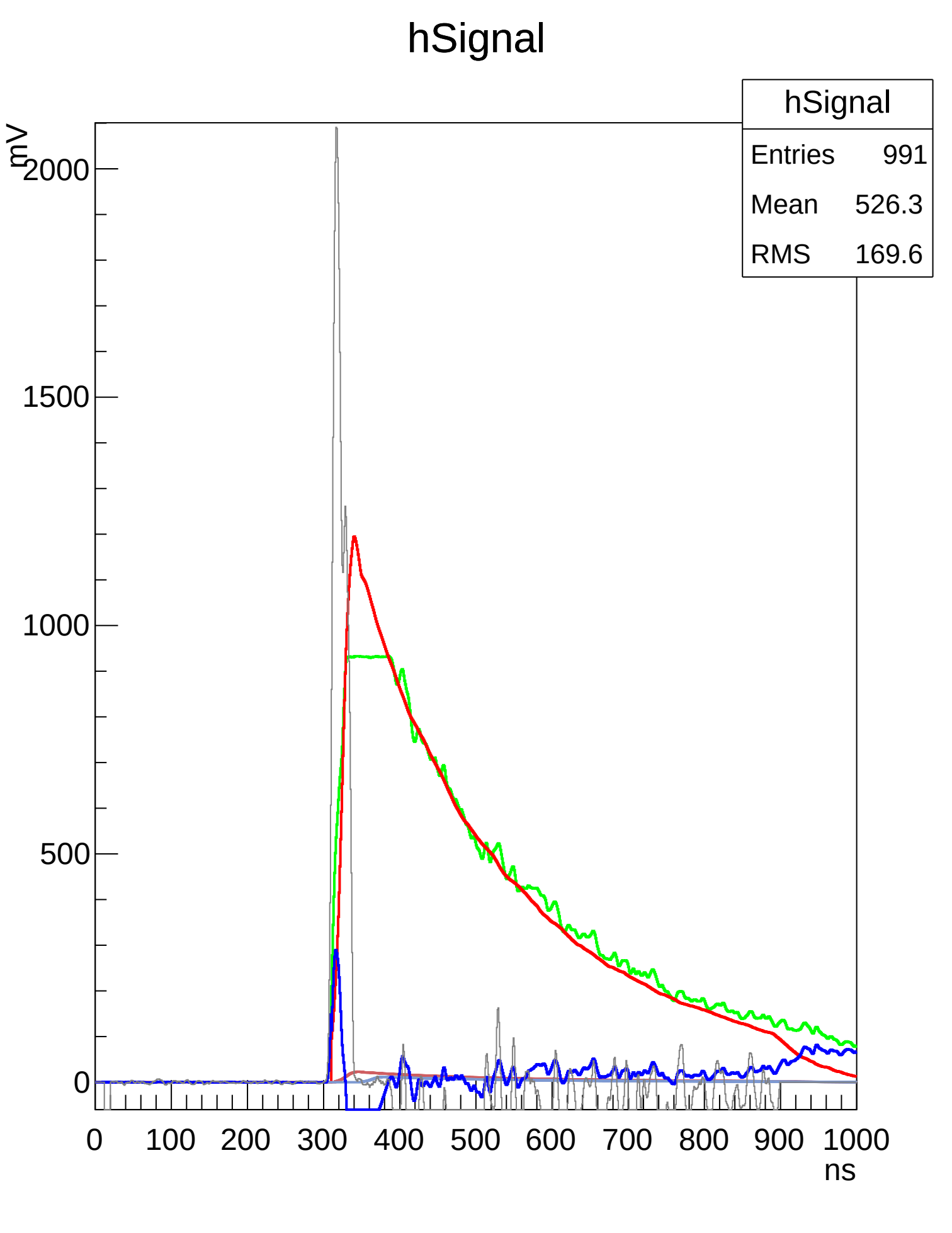

hSignal
hSignal
Entries 991
Mean 489.4
RMS 172.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

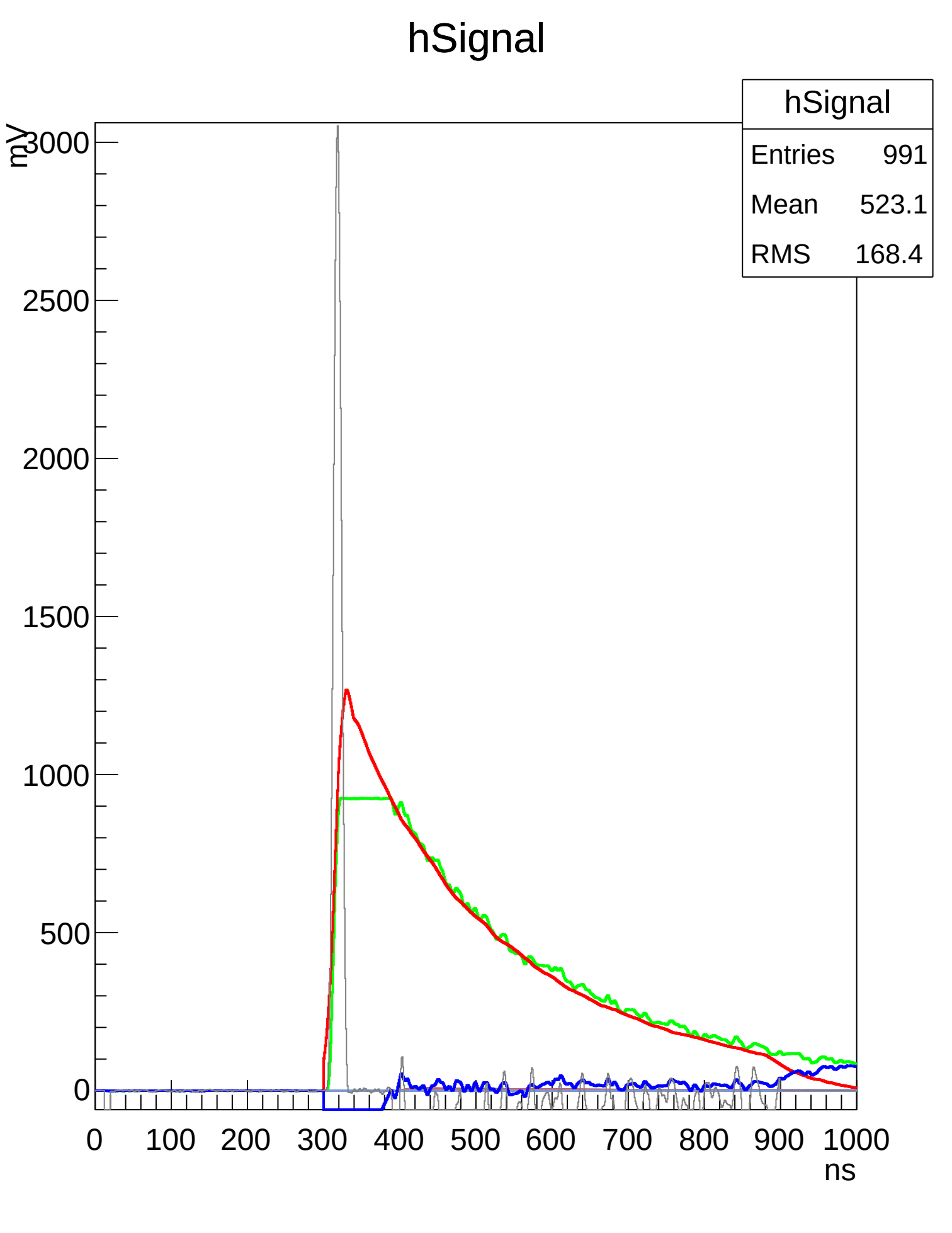

hSignal
hSignal
Entries 991
Mean 550.6
RMS 174.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

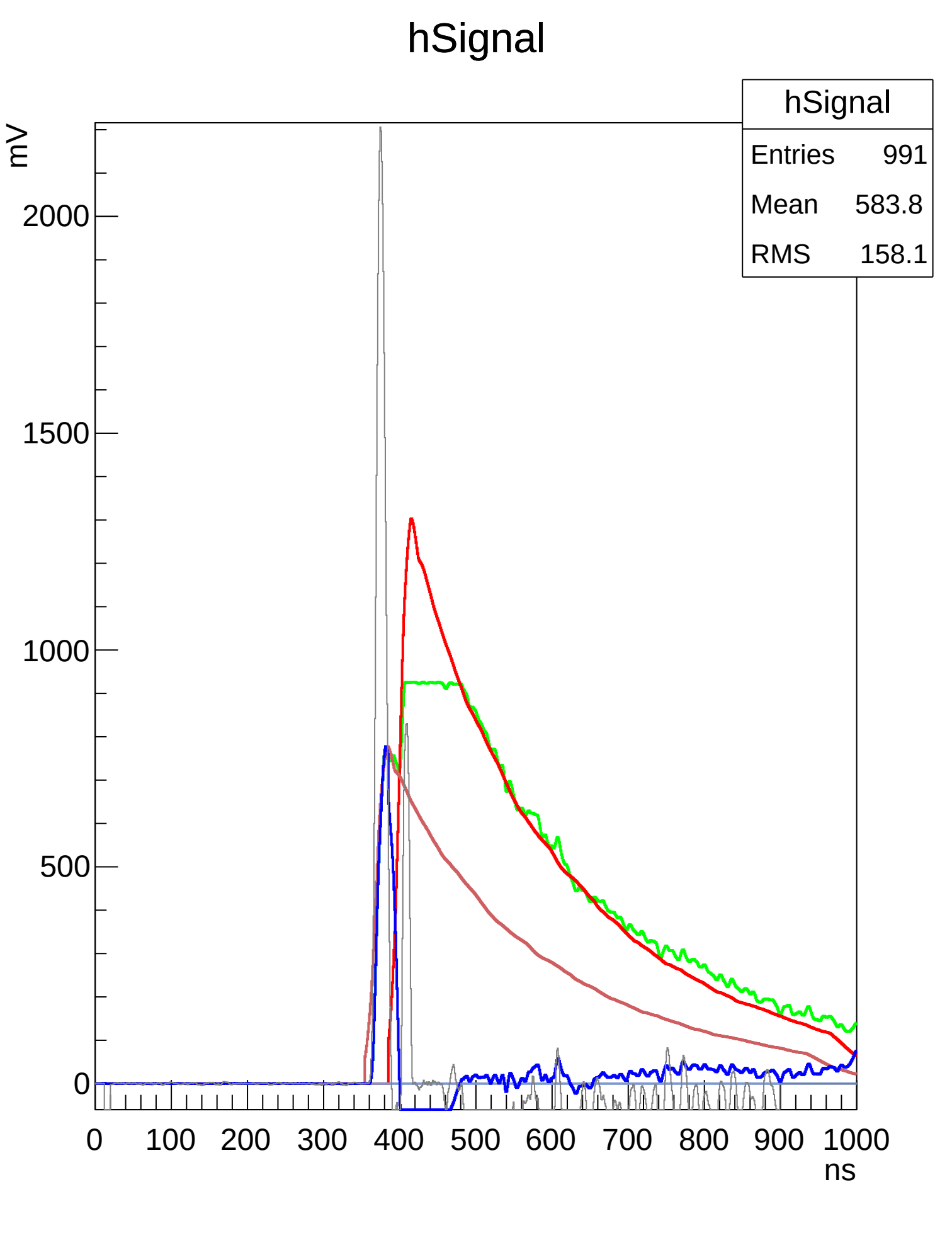

hSignal
hSignal
Entries 991
Mean 549.8
RMS 164.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

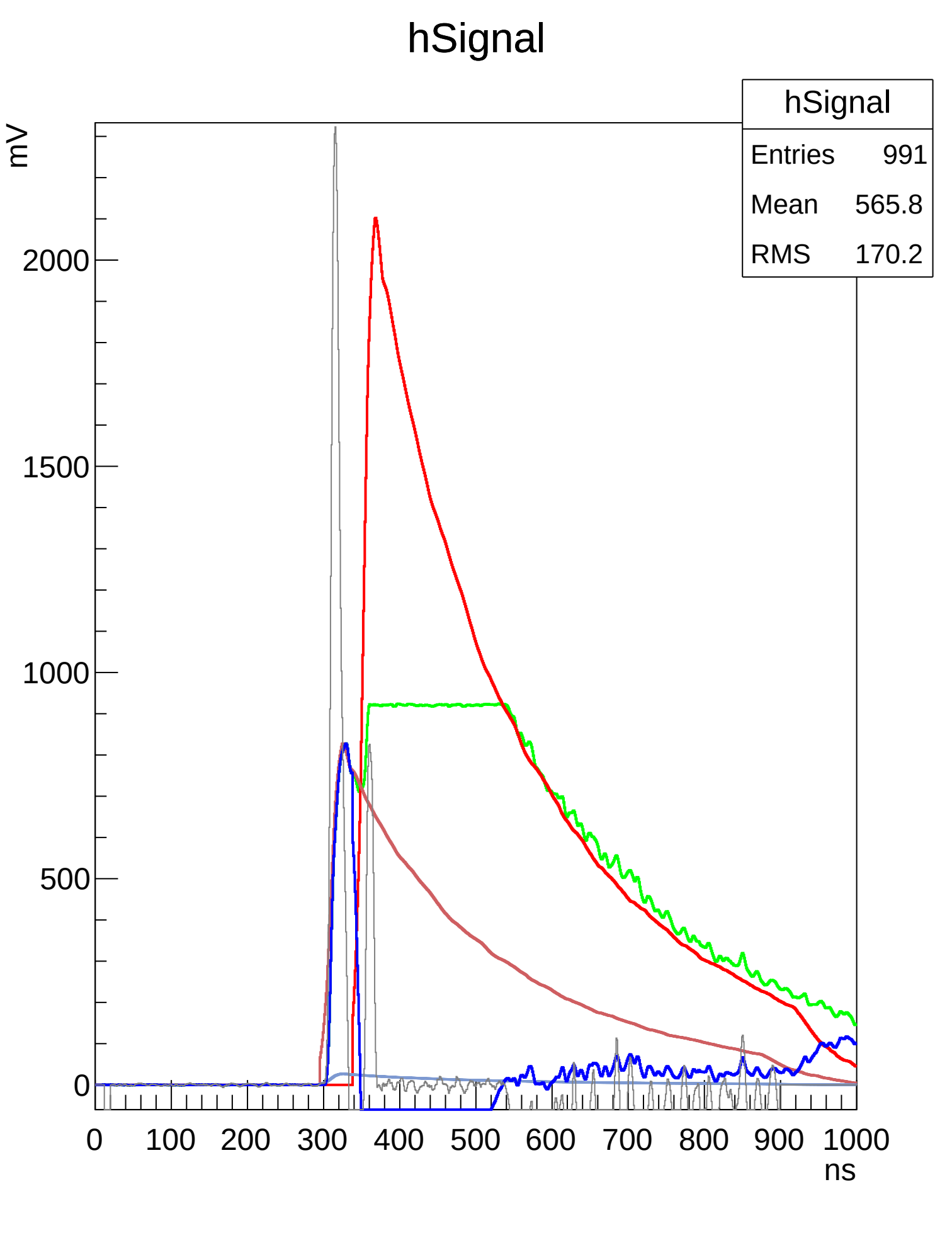

hSignal
hSignal
Entries 991
Mean 576.1
RMS 172
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

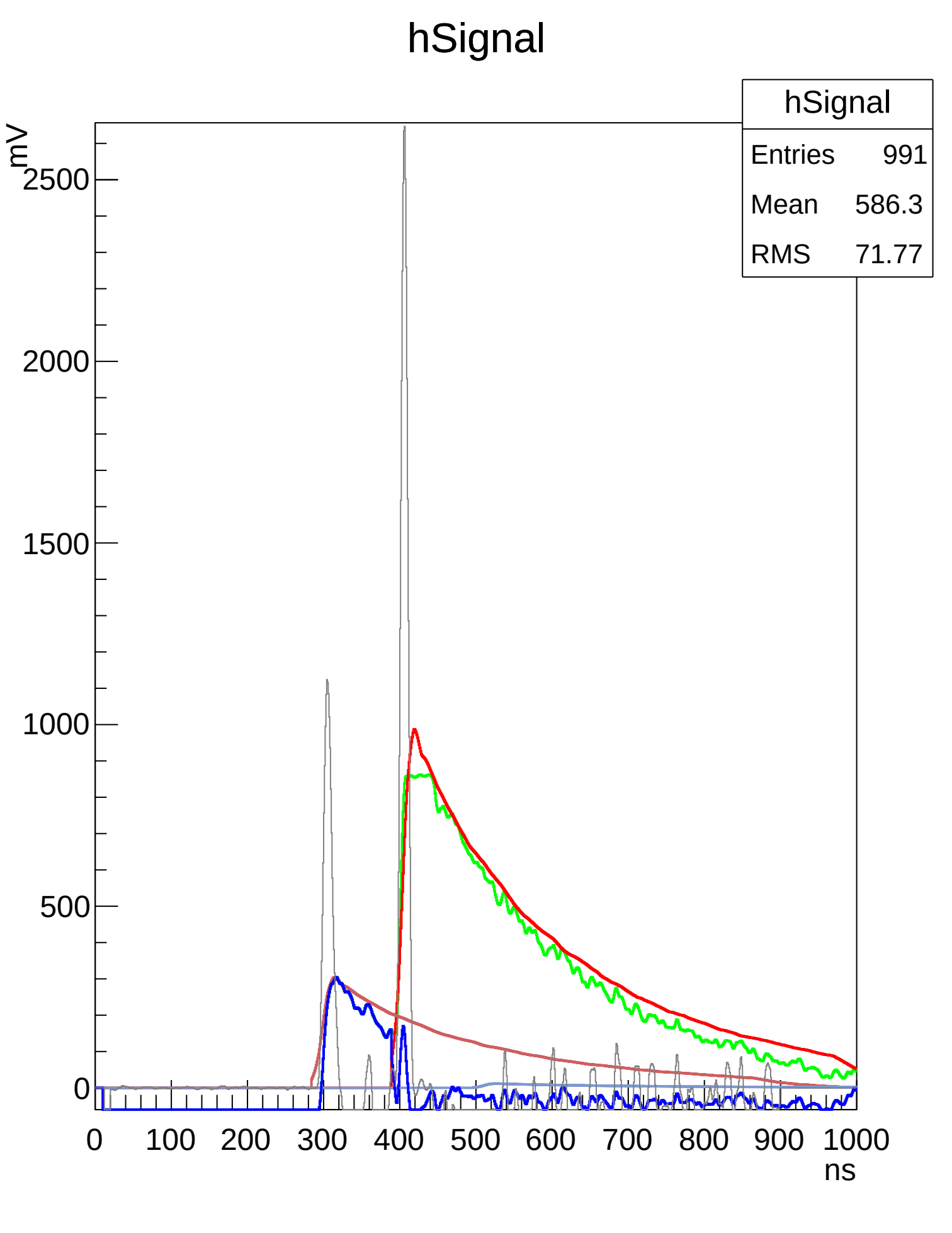

hSignal
hSignal
Entries 991
Mean 539.2
RMS 166
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

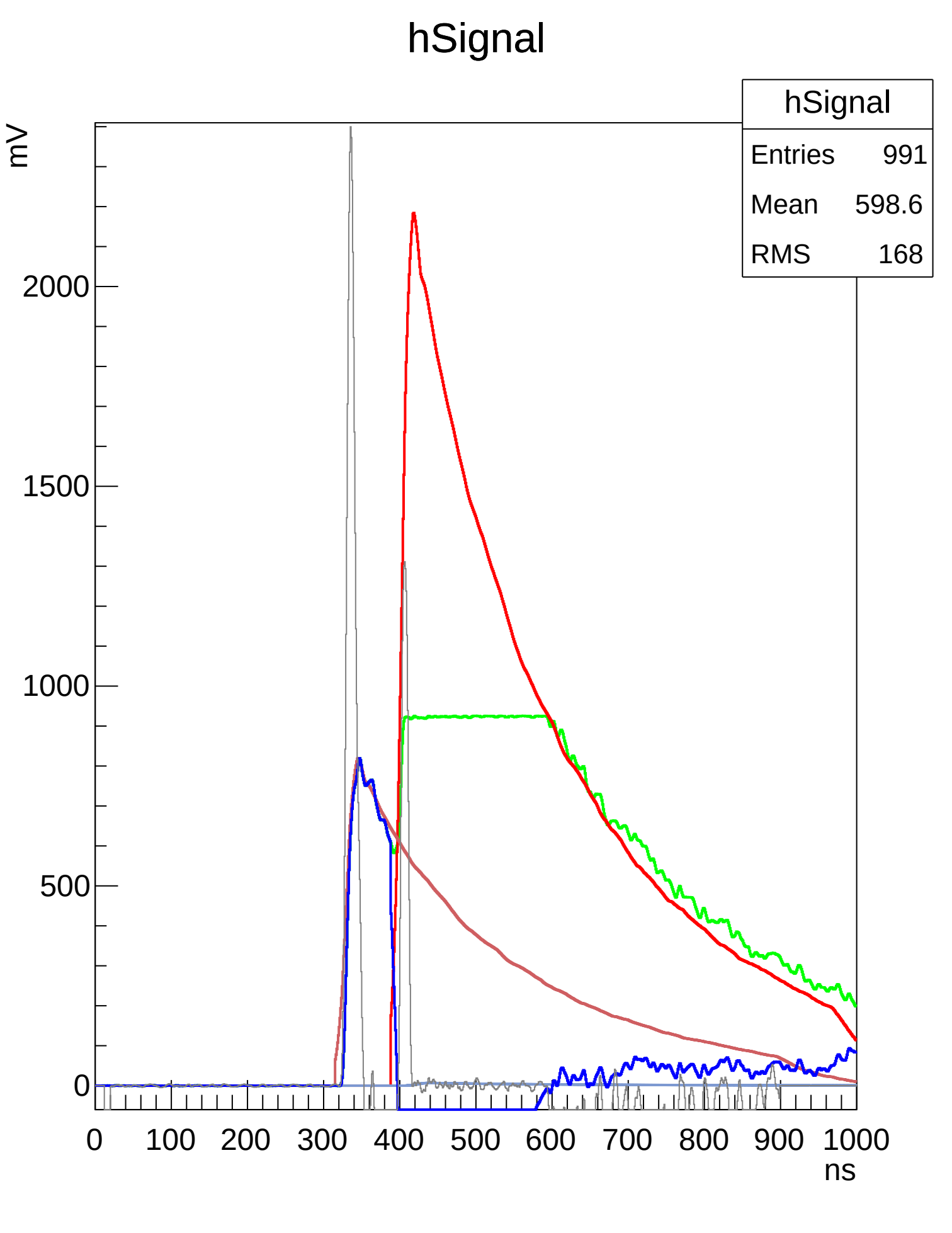

hSignal
hSignal
Entries 991
Mean 526.3
RMS 169.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

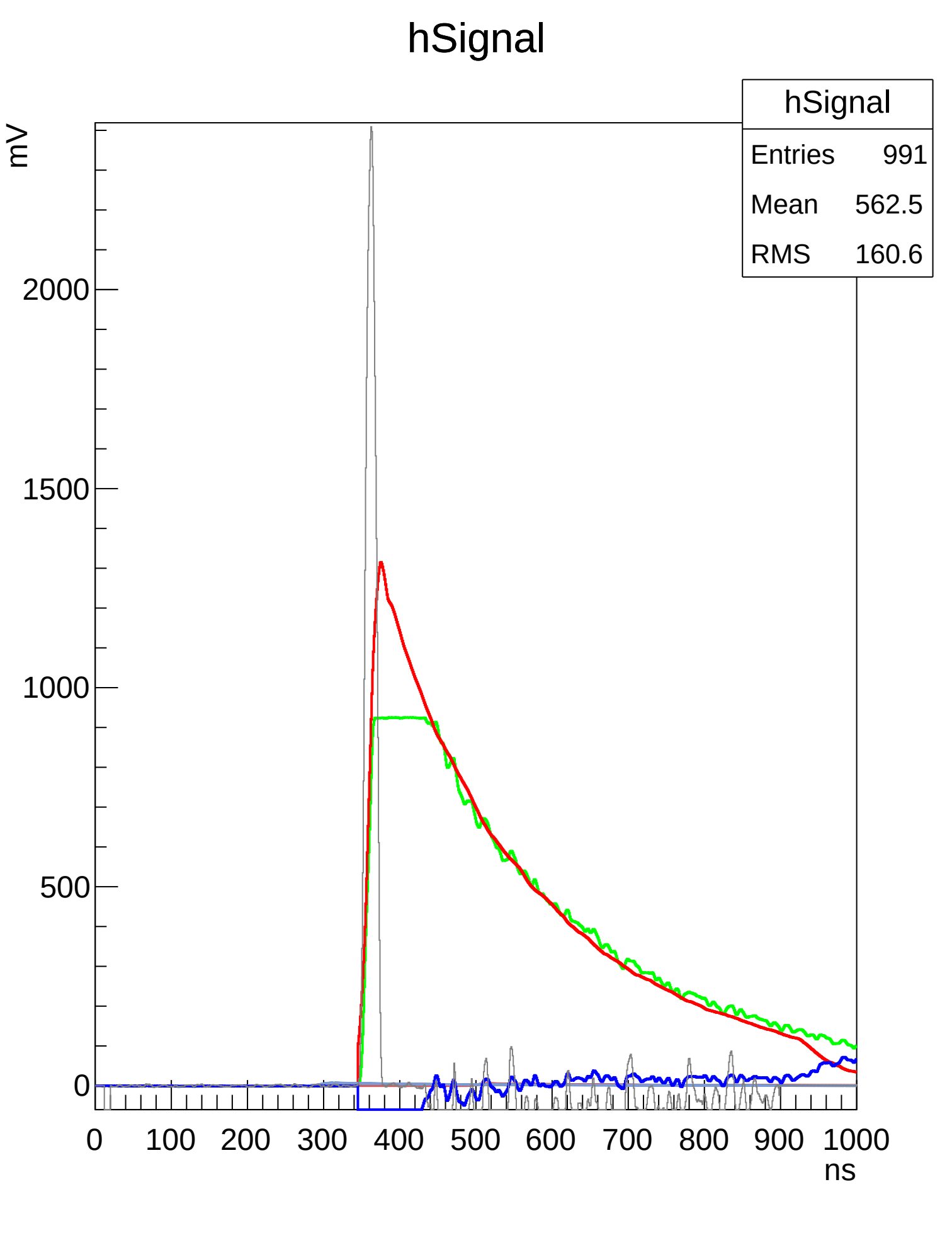

hSignal
hSignal
Entries 991
Mean 523.1
RMS 168.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

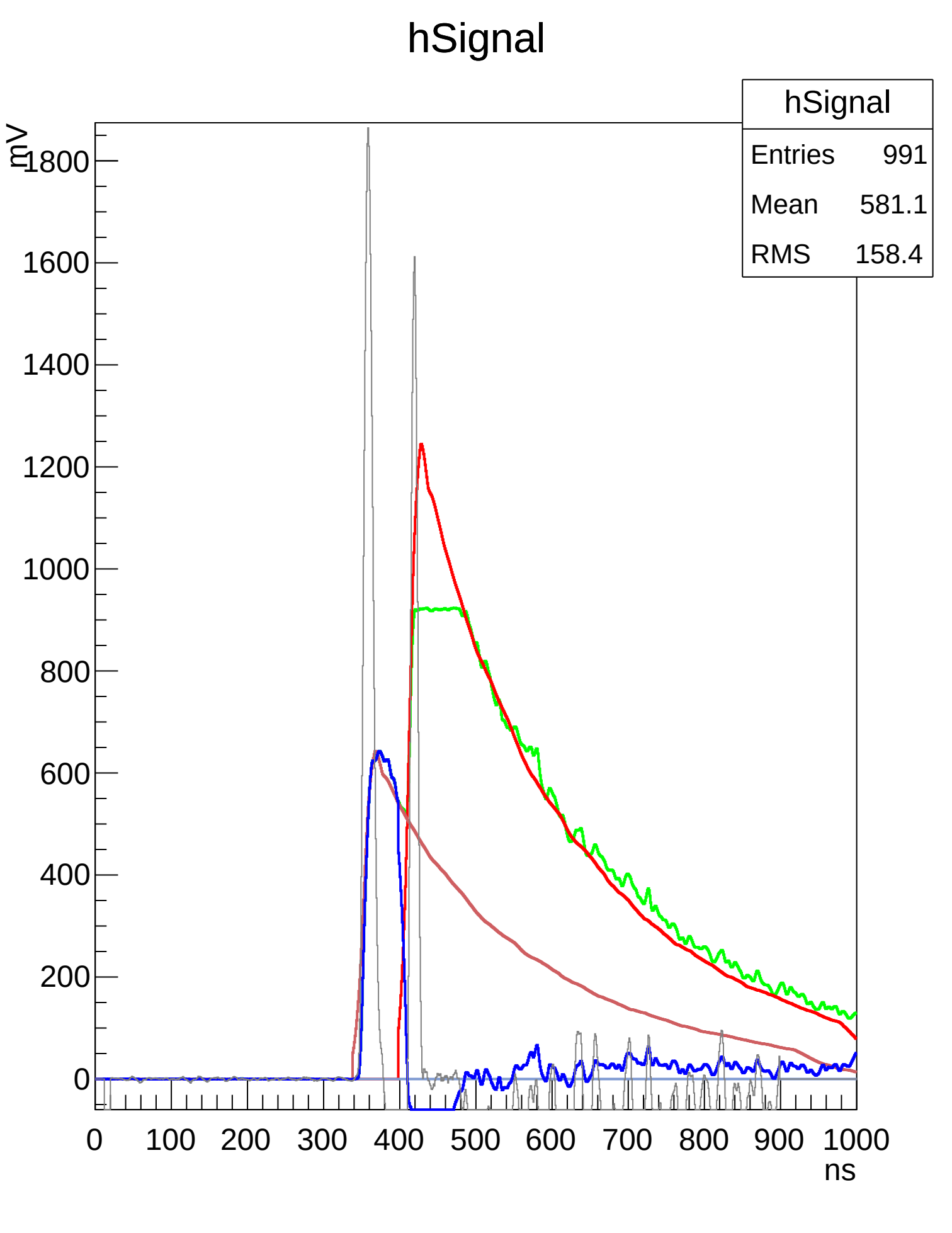

hSignal
hSignal
Entries 991
Mean 583.8
RMS 158.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

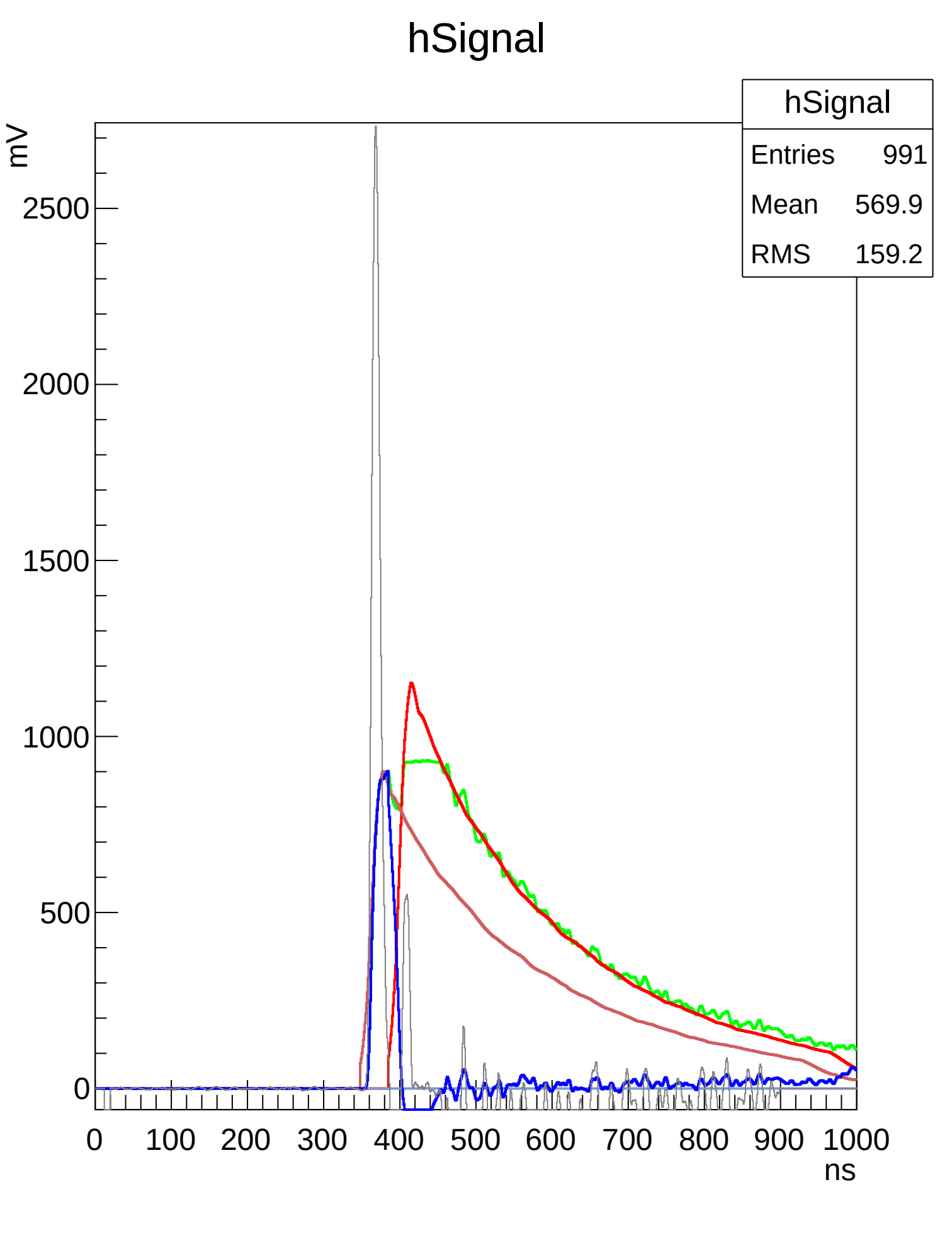

hSignal
hSignal
Entries 991
Mean 565.8
RMS 170.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

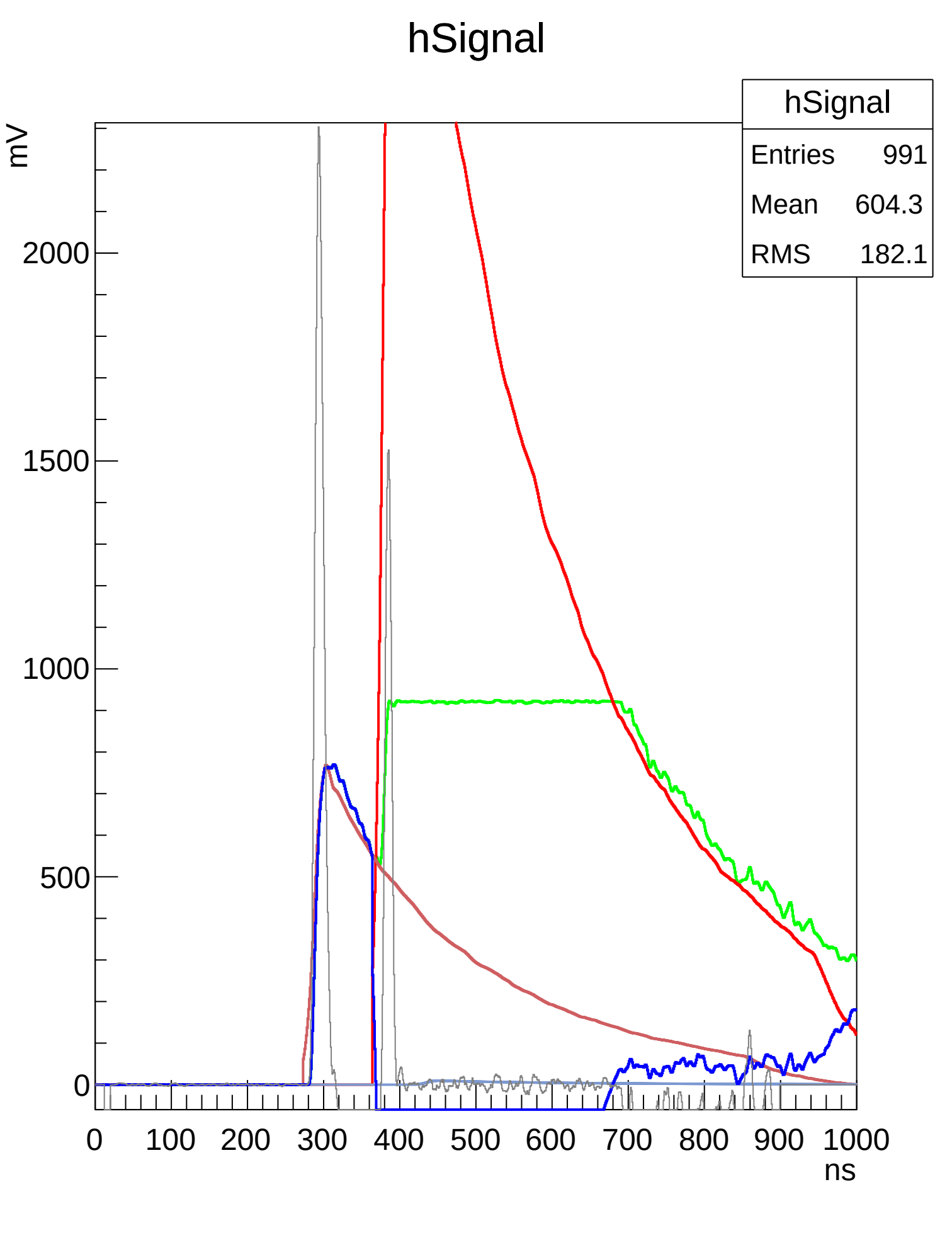

hSignal
hSignal
Entries 991
Mean 586.3
RMS 71.77
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

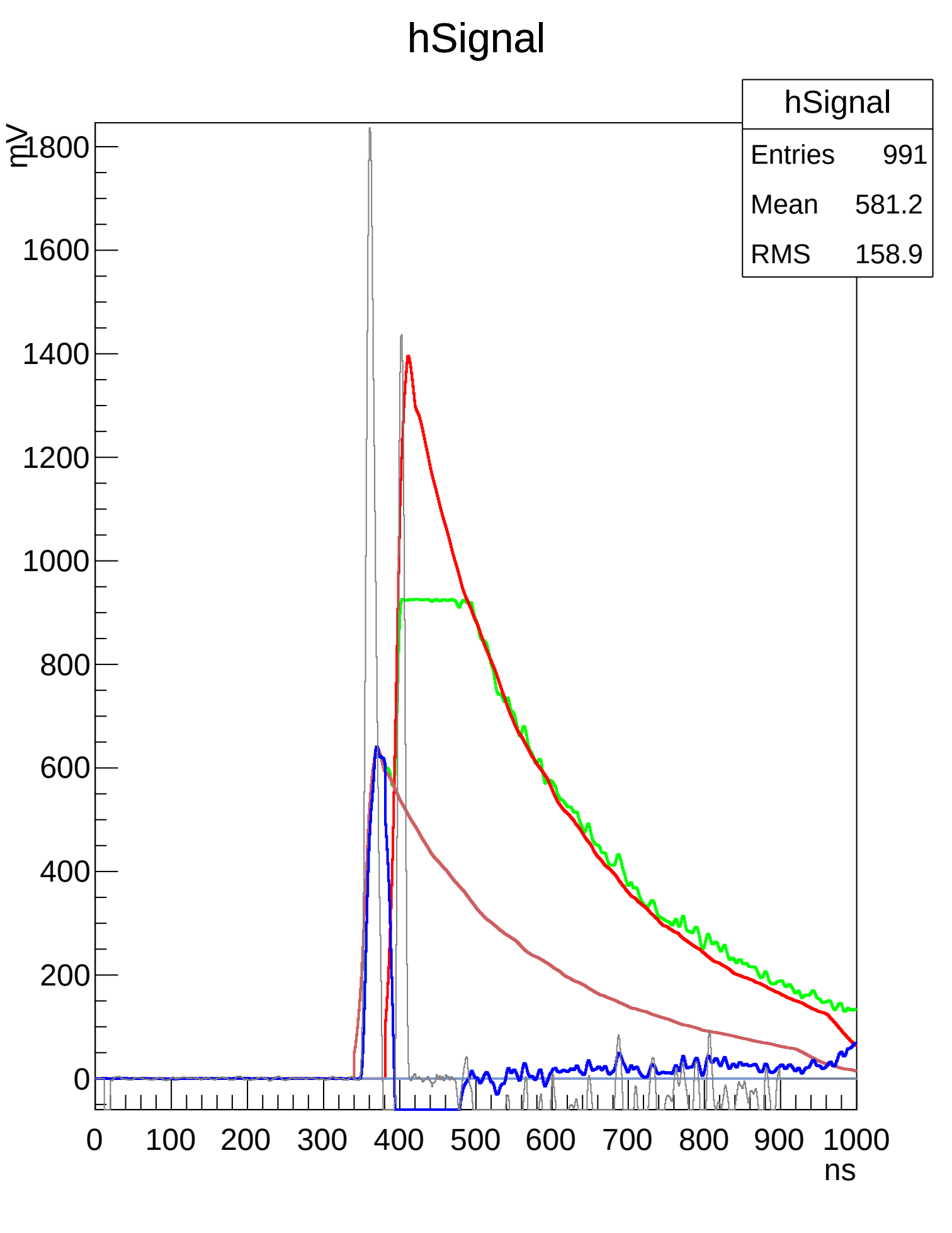

hSignal
hSignal
Entries 991
Mean 598.6
RMS 168
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

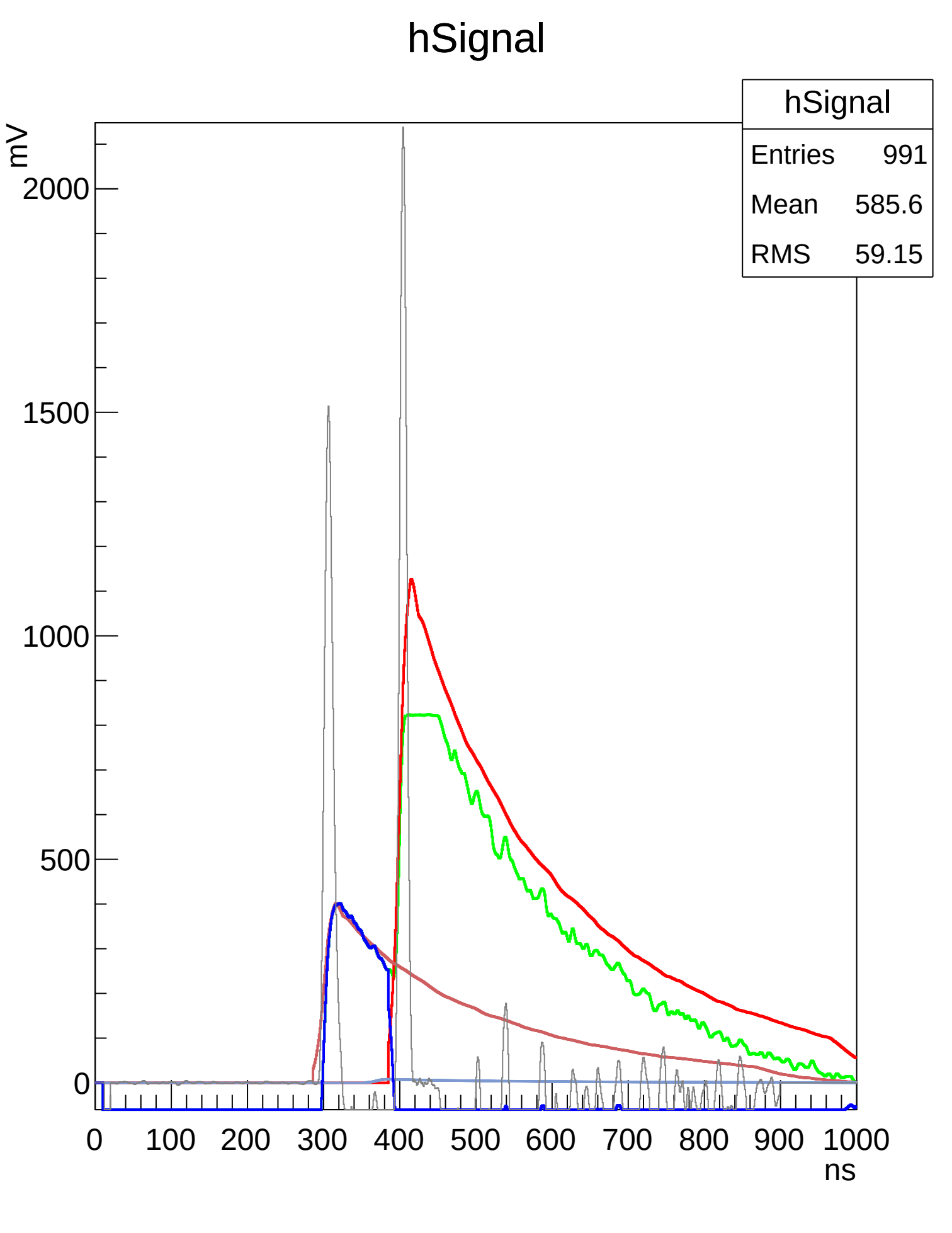

hSignal
hSignal
Entries 991
Mean 562.5
RMS 160.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

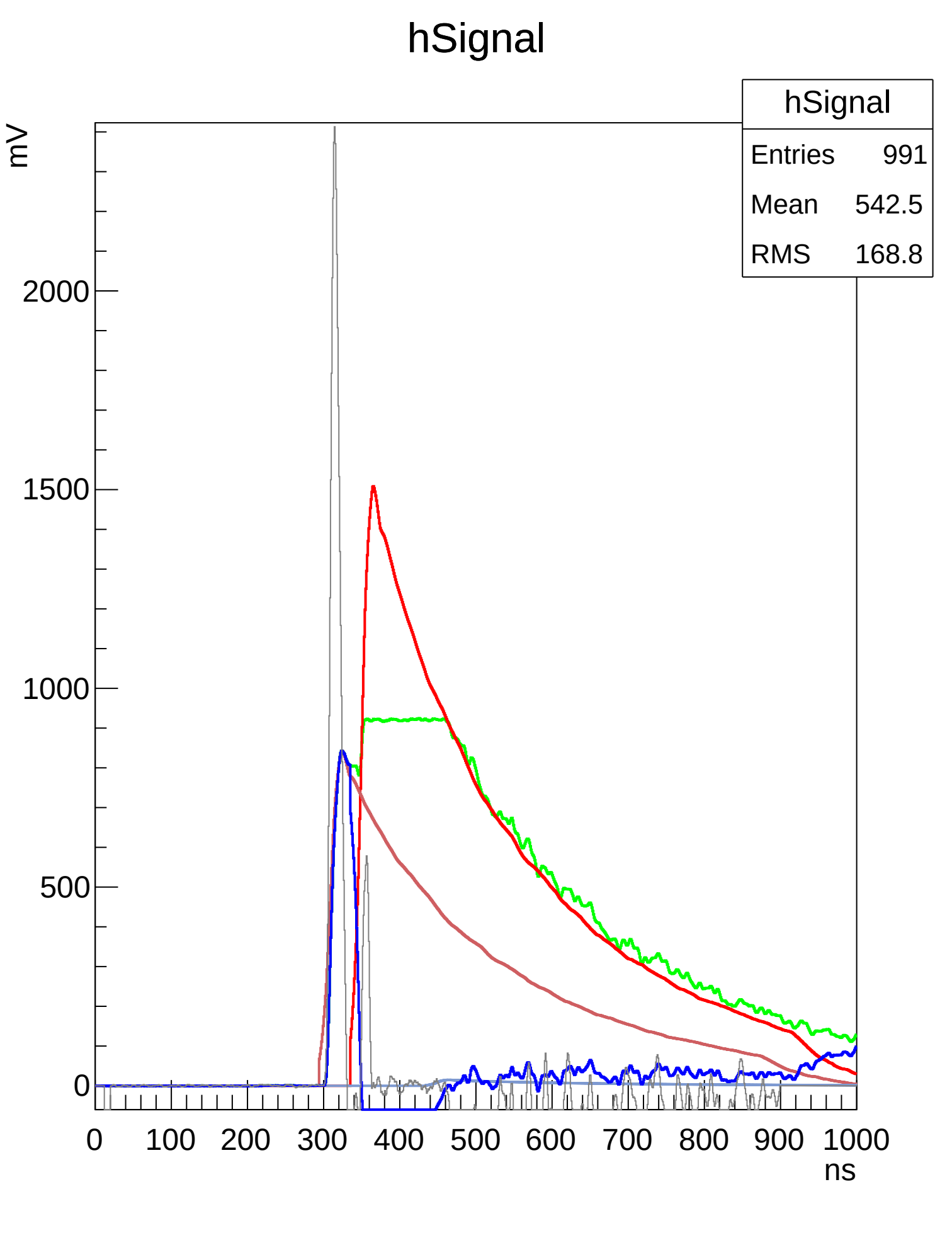

hSignal
hSignal
Entries 991
Mean 581.1
RMS 158.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

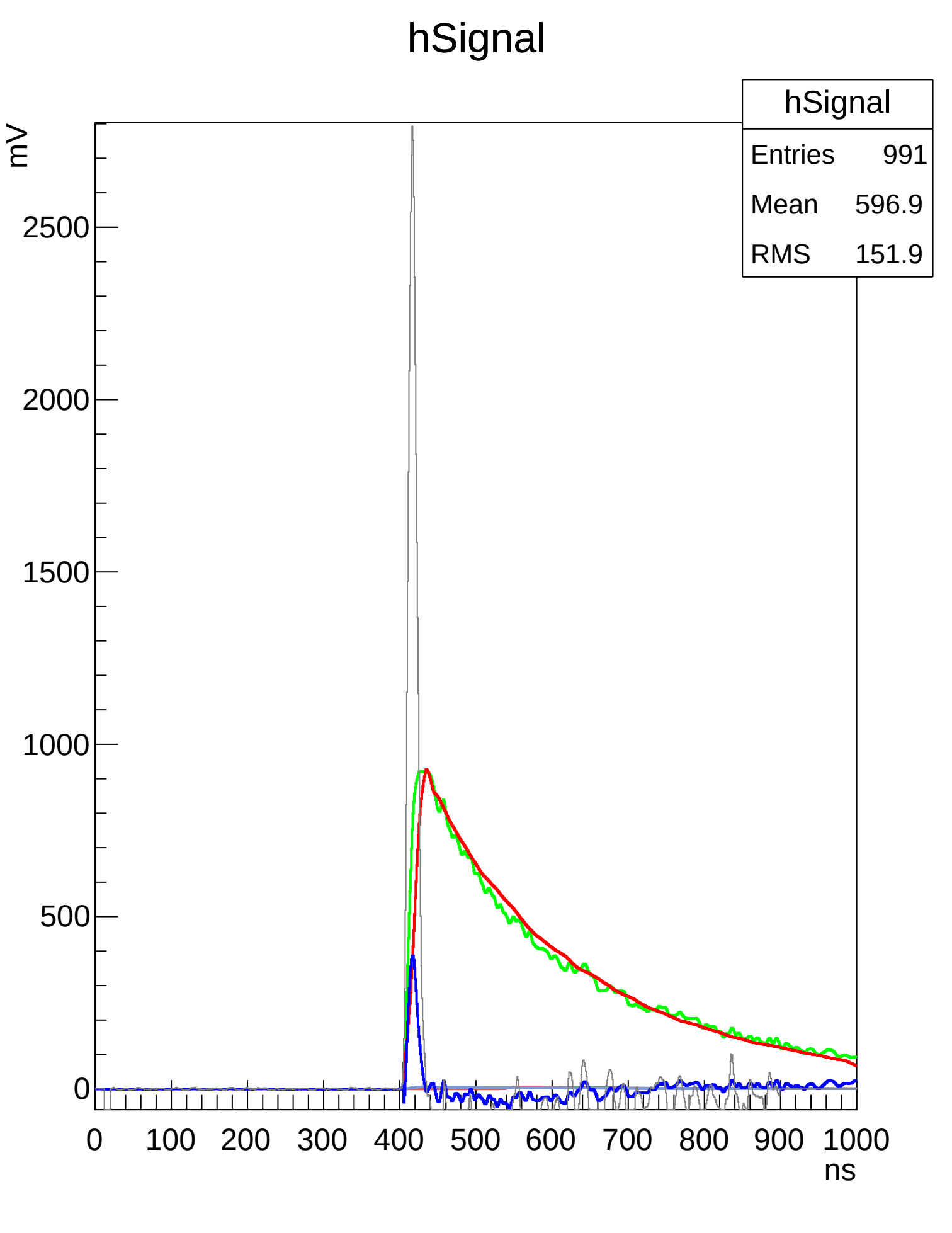

hSignal
hSignal
Entries 991
Mean 569.9
RMS 159.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

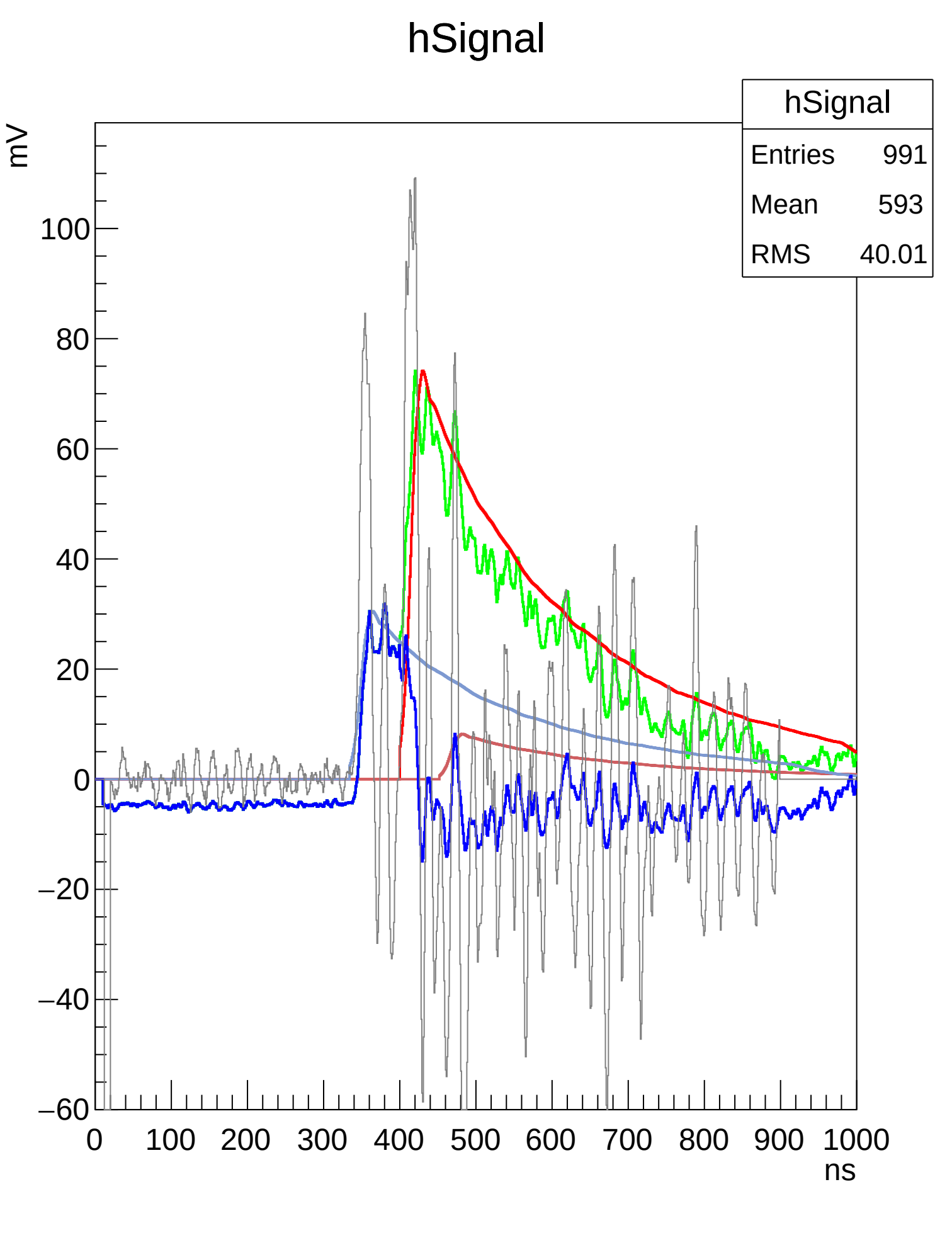

hSignal
hSignal
Entries 991
Mean 604.3
RMS 182.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

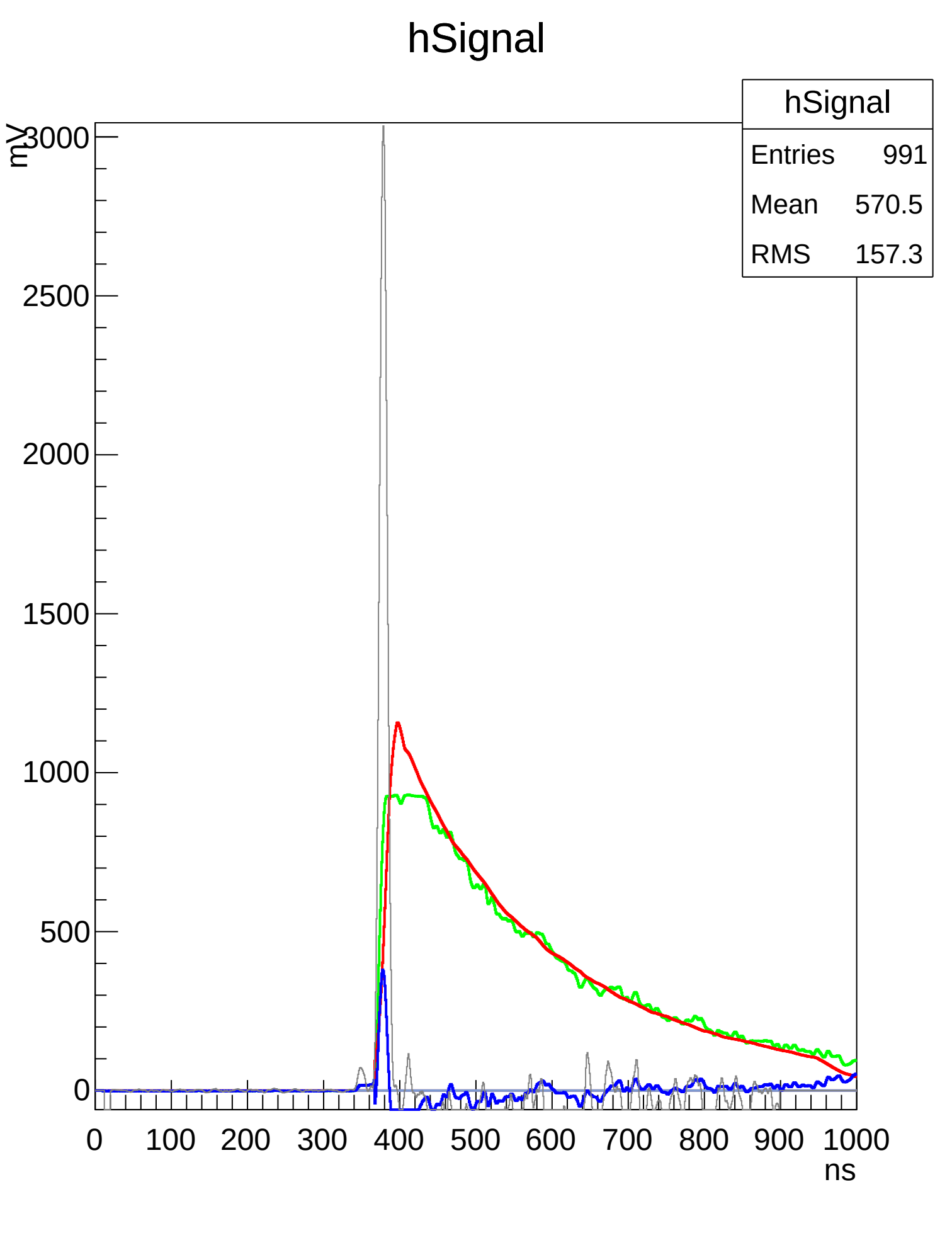

hSignal
hSignal
Entries 991
Mean 581.2
RMS 158.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

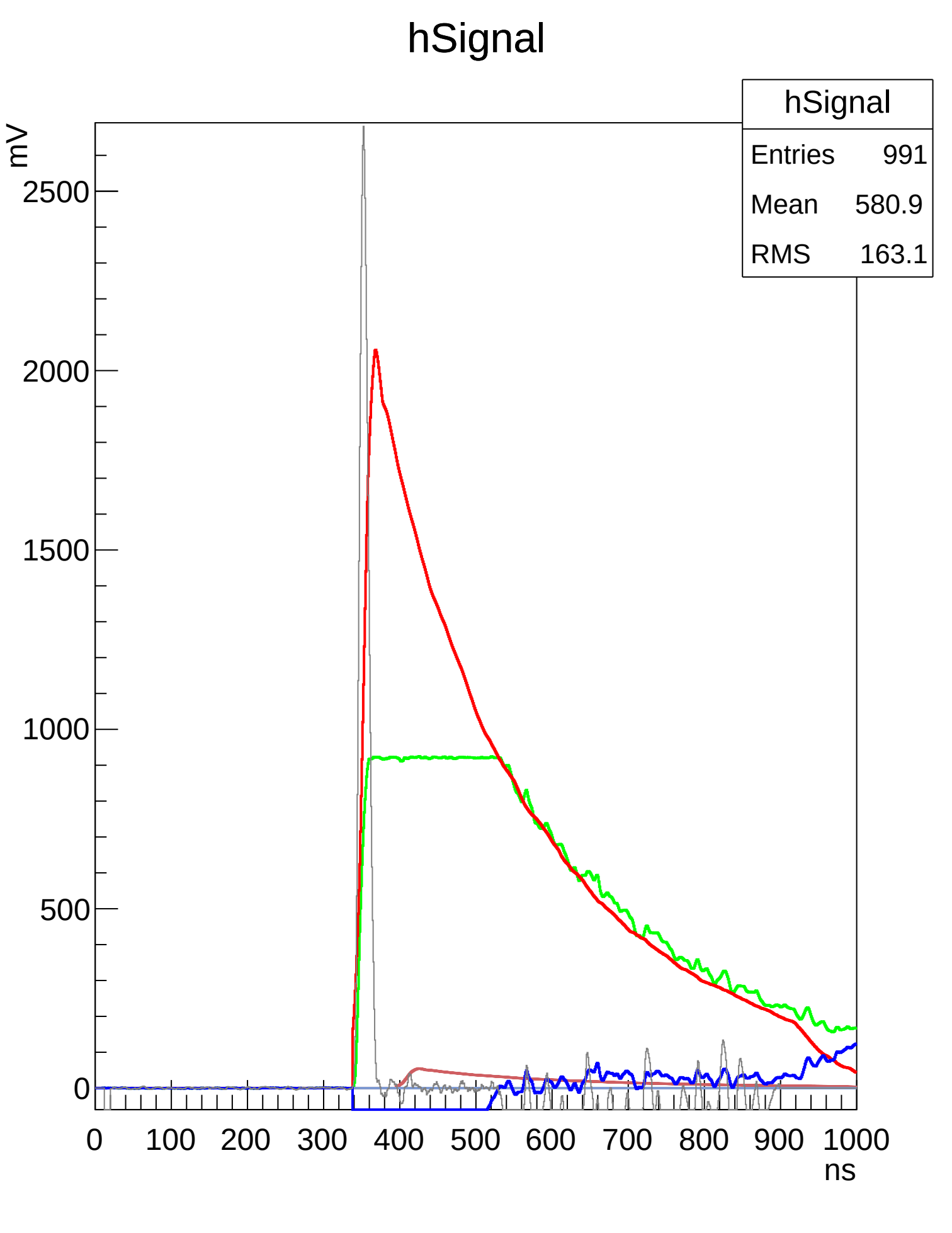

hSignal
hSignal
Entries 991
Mean 585.6
RMS 59.15
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

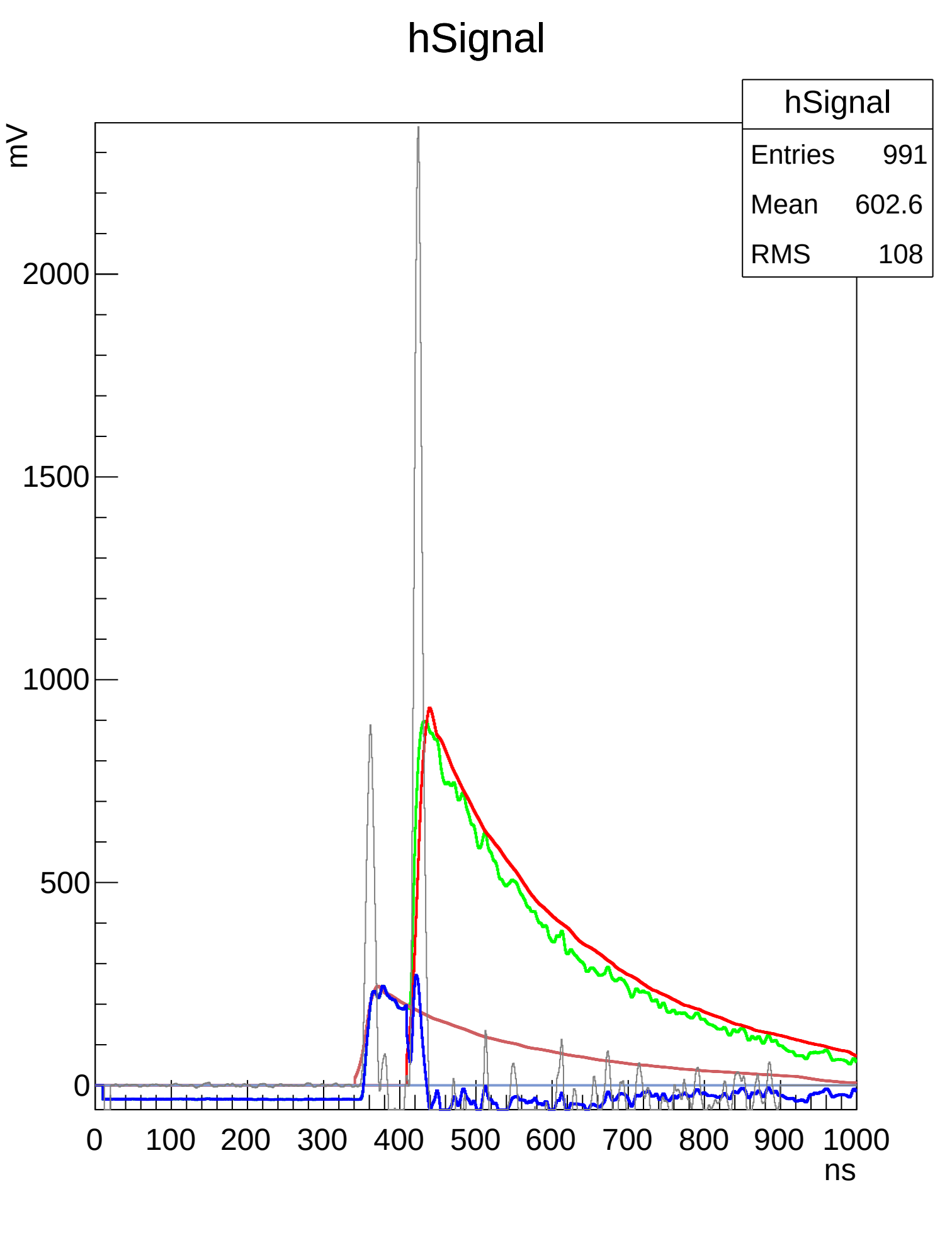

hSignal
hSignal
Entries 991
Mean 542.5
RMS 168.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

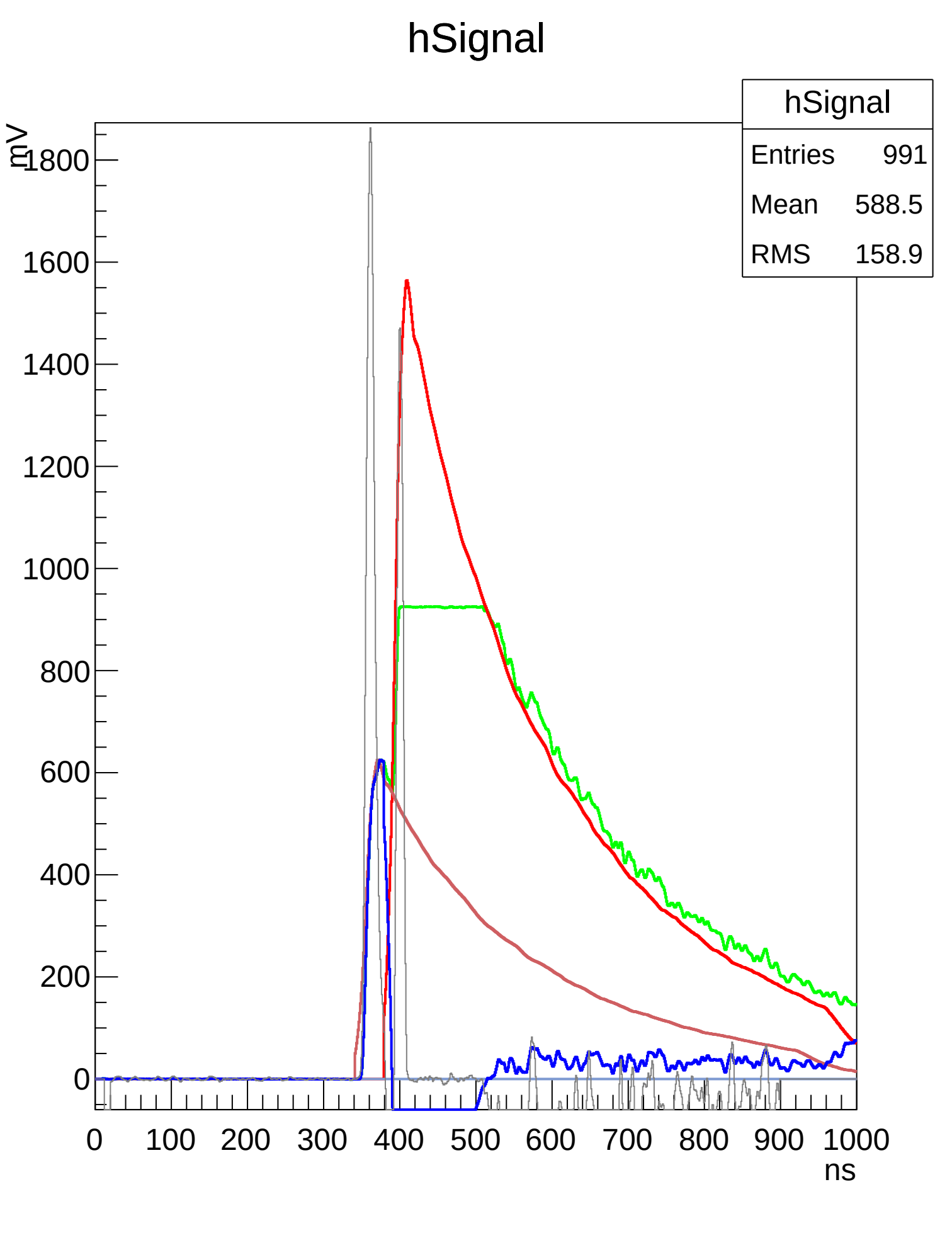

hSignal
hSignal
Entries 991
Mean 596.9
RMS 151.9
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

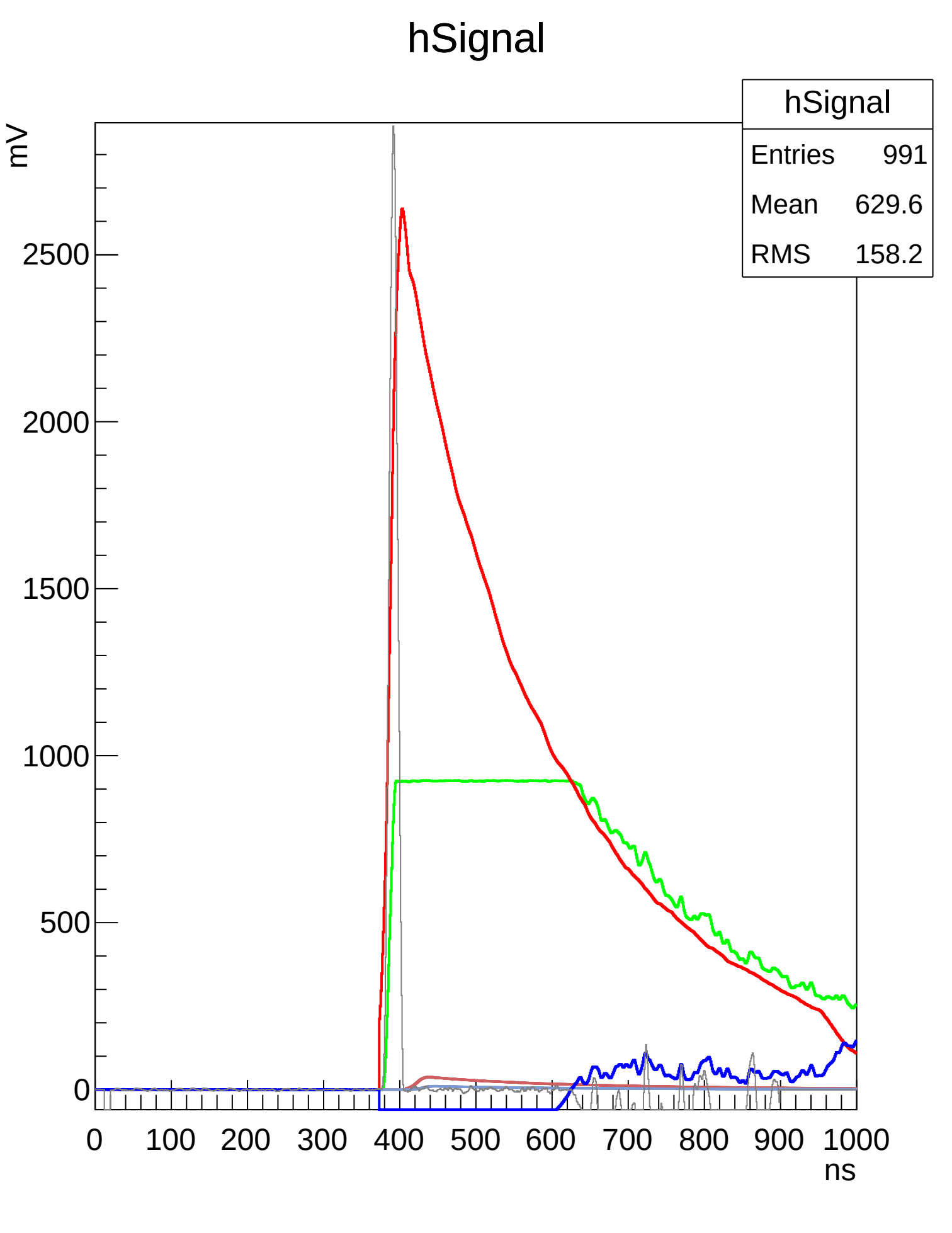

hSignal
hSignal
Entries 991
Mean 593
RMS 40.01
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

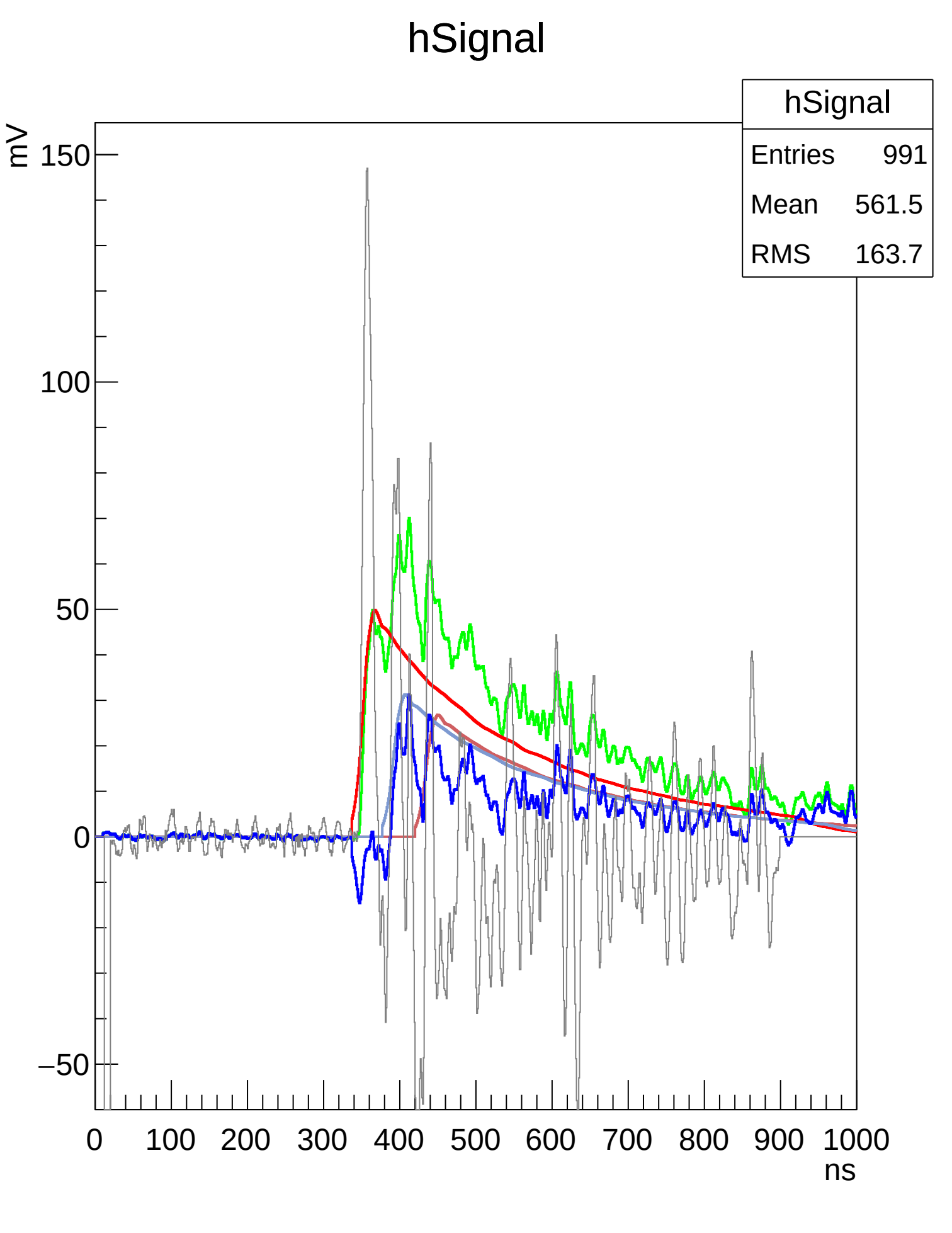

hSignal
hSignal
Entries 991
Mean 570.5
RMS 157.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

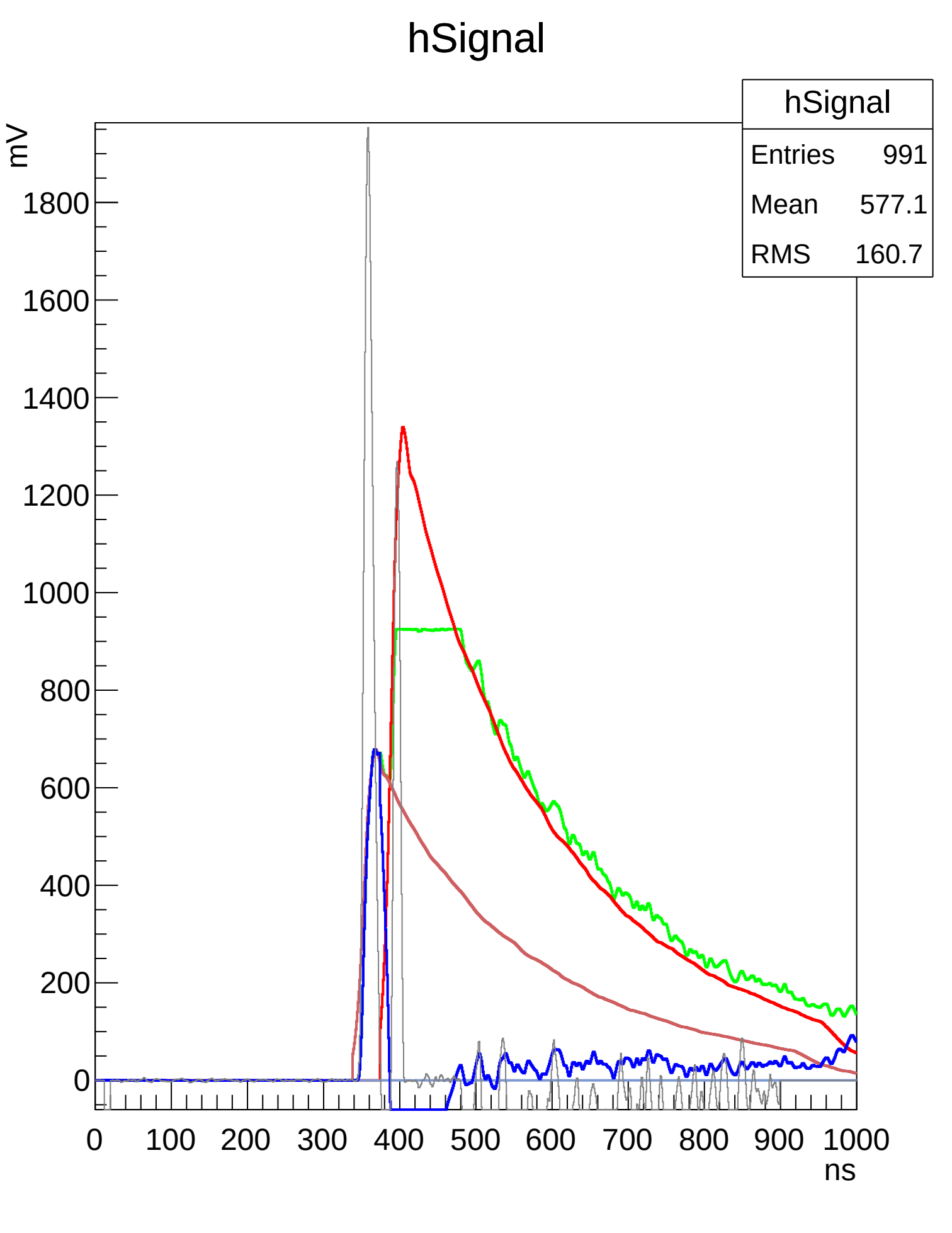

hSignal
hSignal
Entries 991
Mean 580.9
RMS 163.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

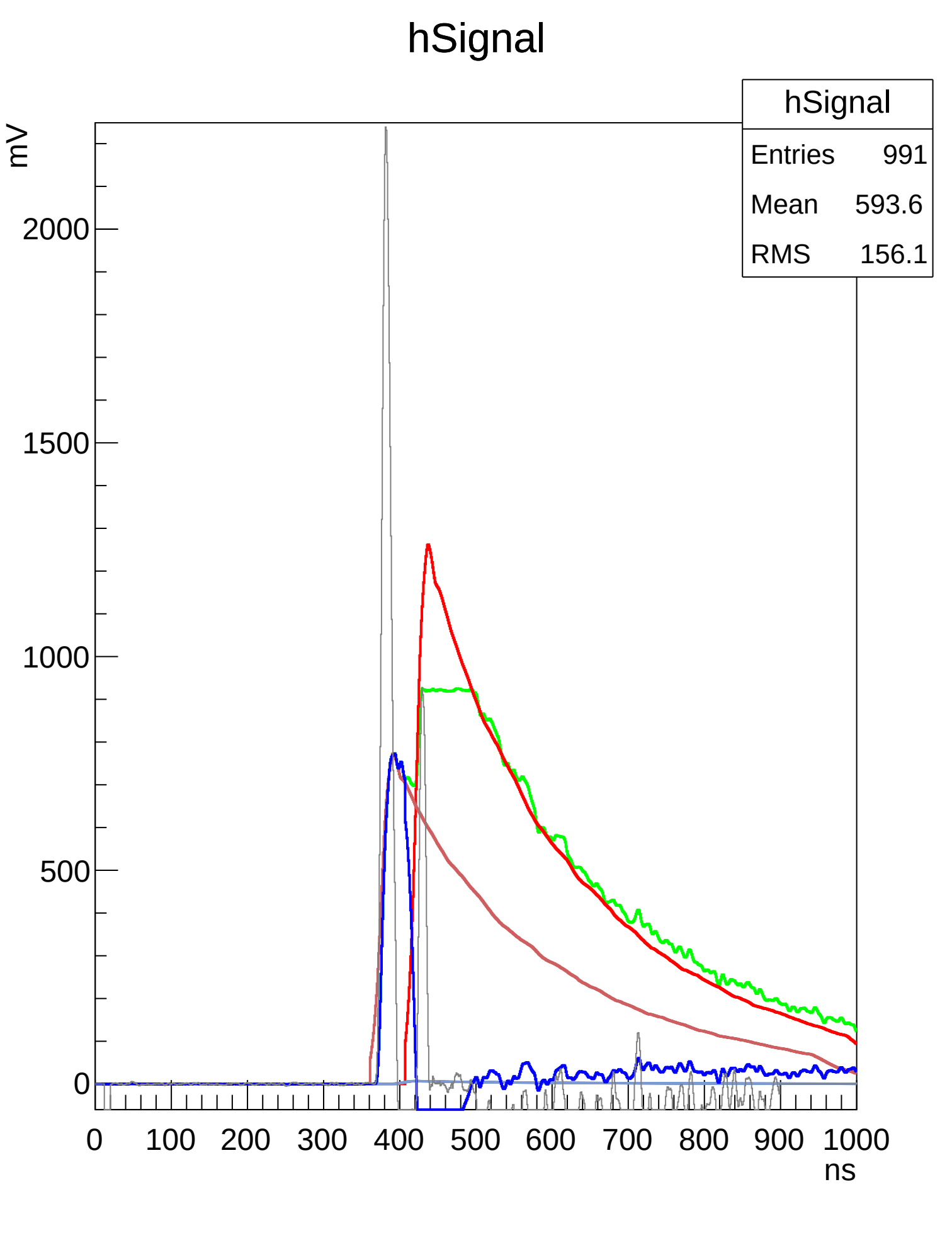

hSignal
hSignal
Entries 991
Mean 602.6
RMS 108
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

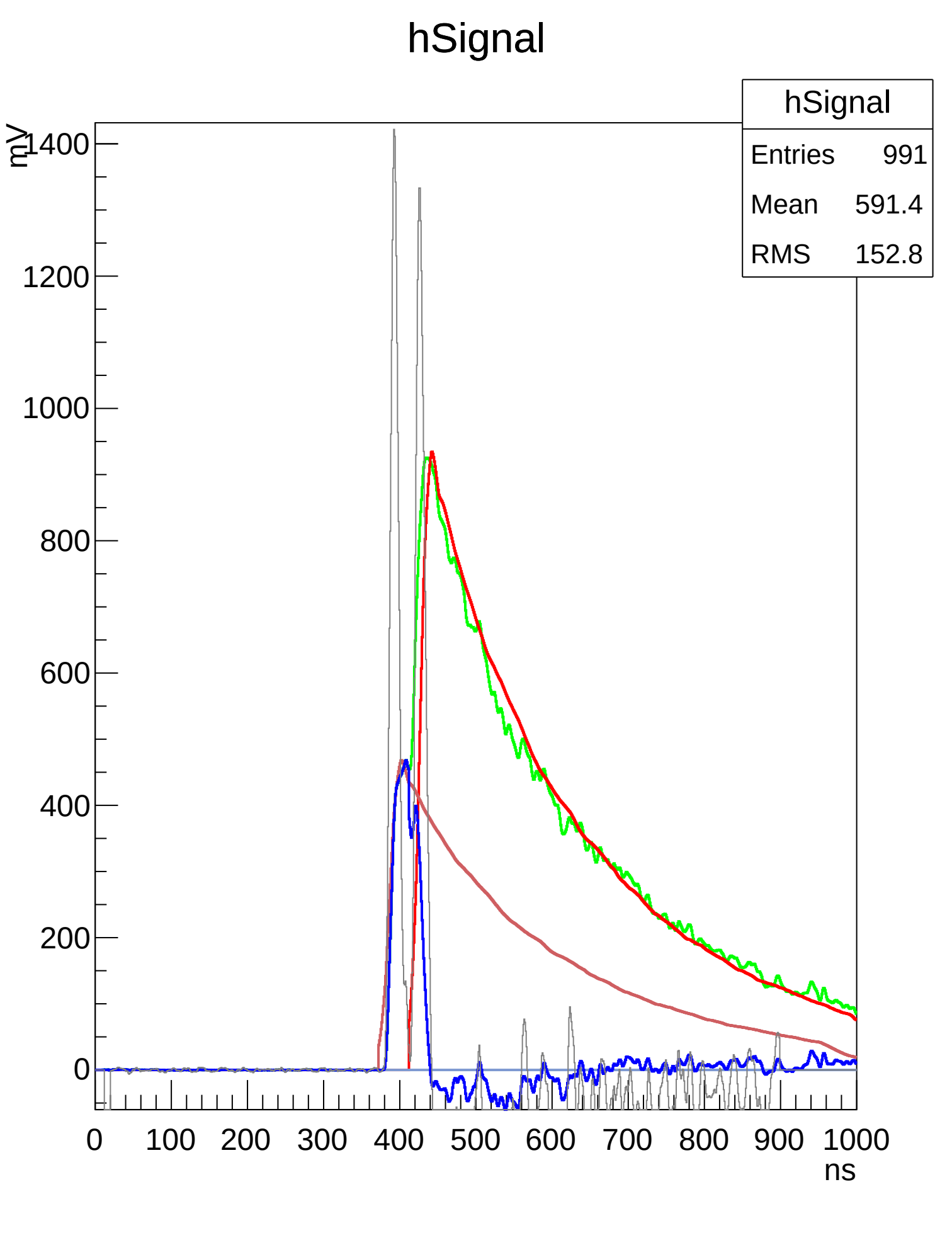

hSignal
hSignal
Entries 991
Mean 588.5
RMS 158.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

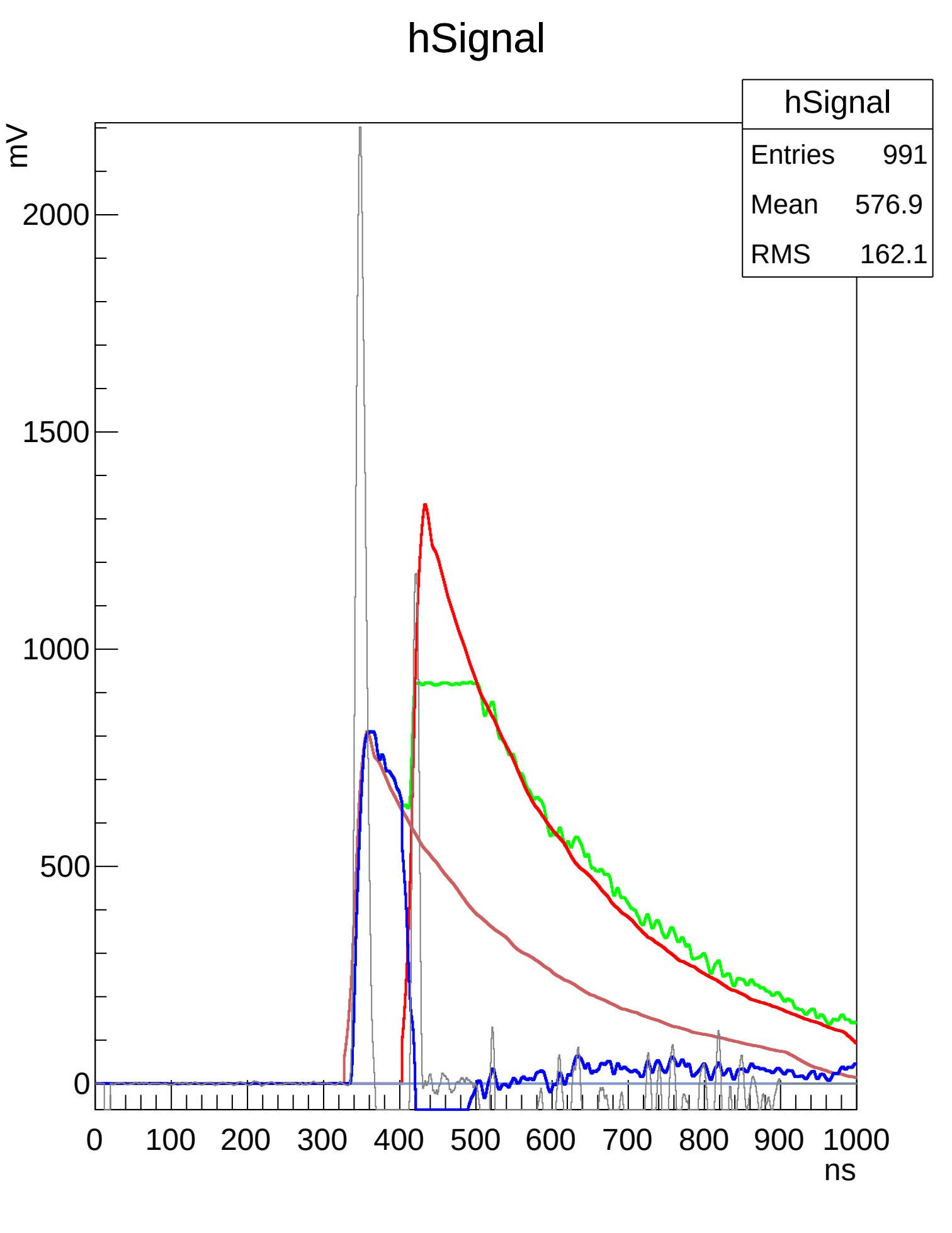

hSignal
hSignal
Entries 991
Mean 629.6
RMS 158.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

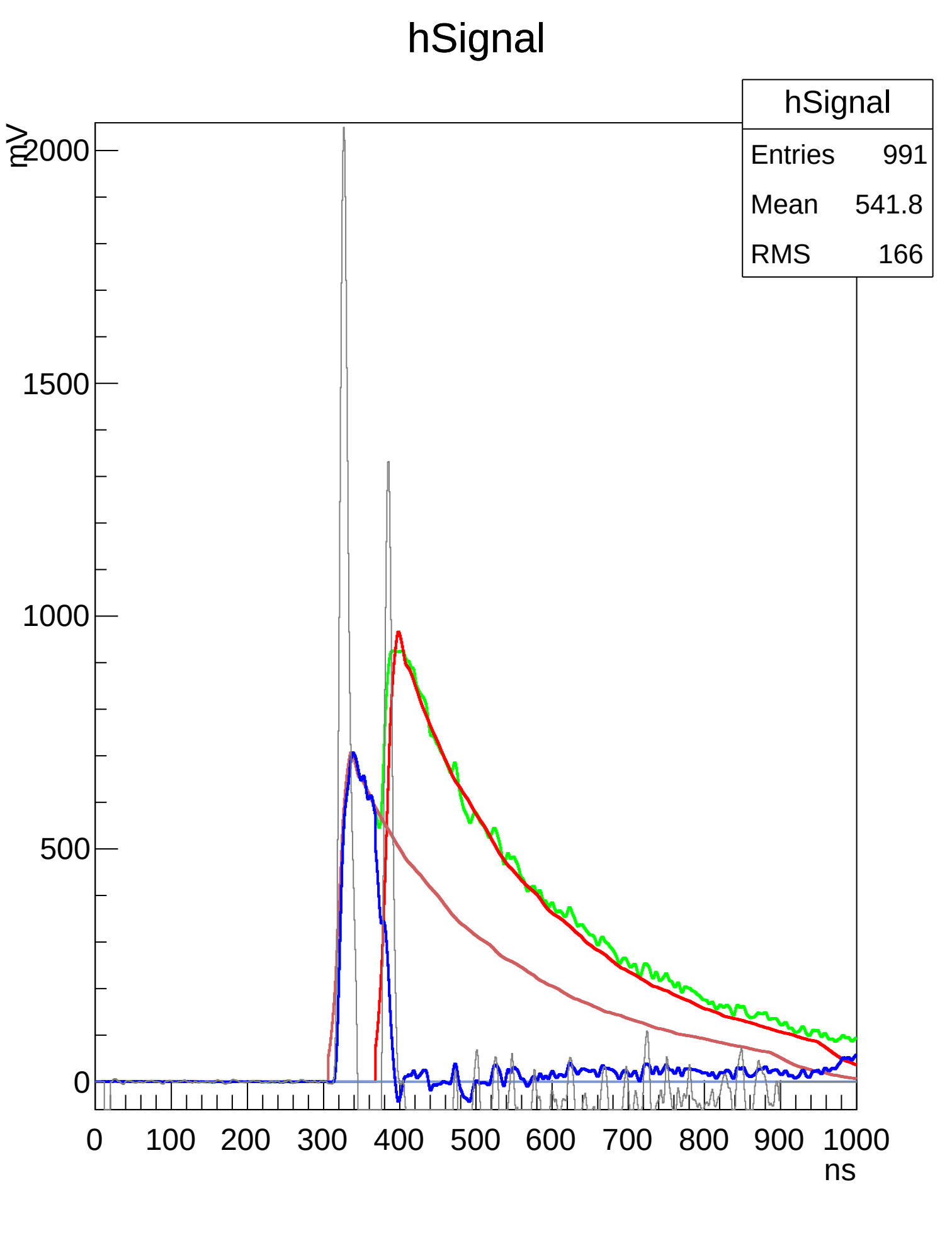

hSignal
hSignal
Entries 991
Mean 561.5
RMS 163.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

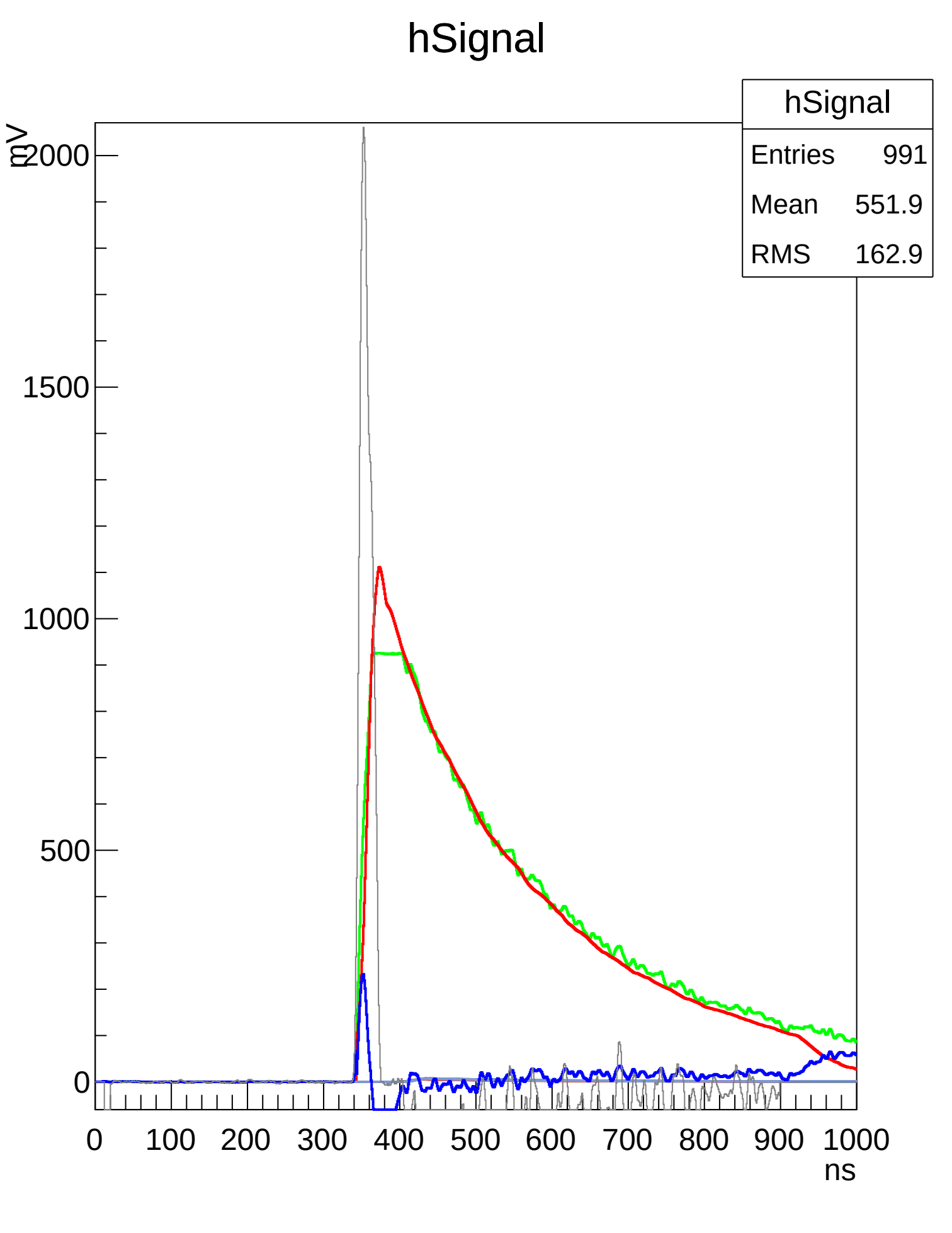

hSignal
hSignal
Entries 991
Mean 577.1
RMS 160.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

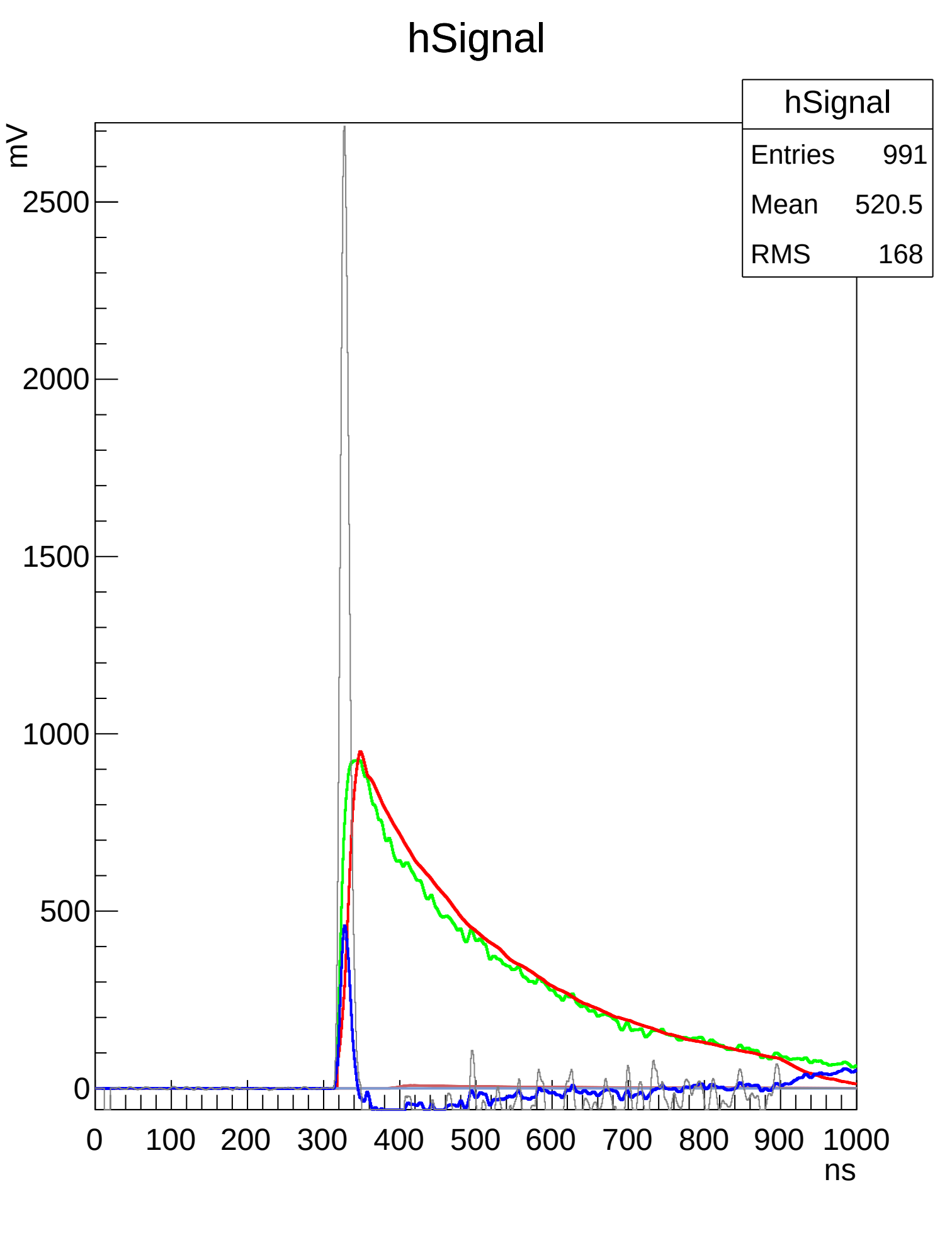

hSignal
hSignal
Entries 991
Mean 593.6
RMS 156.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

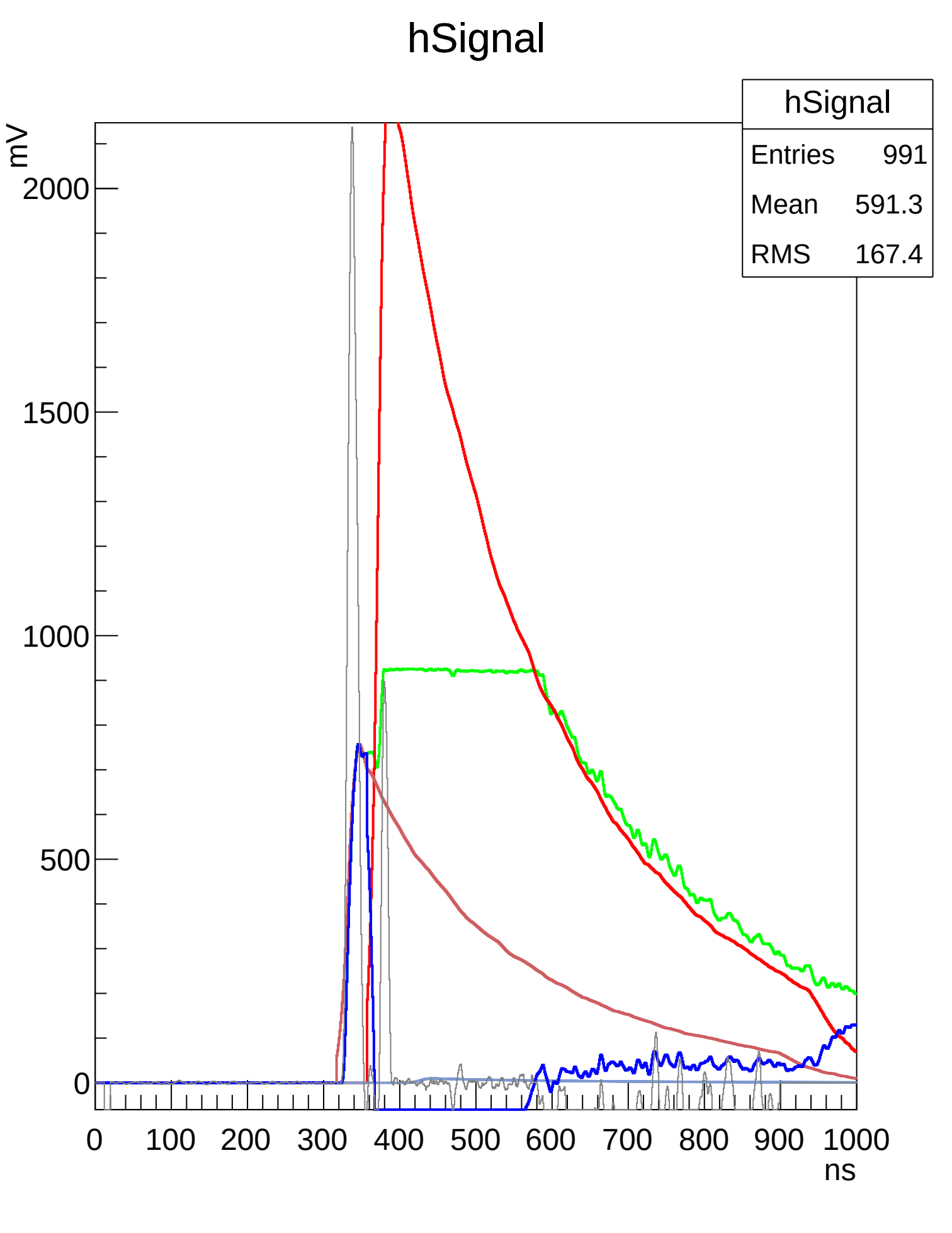

hSignal
hSignal
Entries 991
Mean 591.4
RMS 152.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

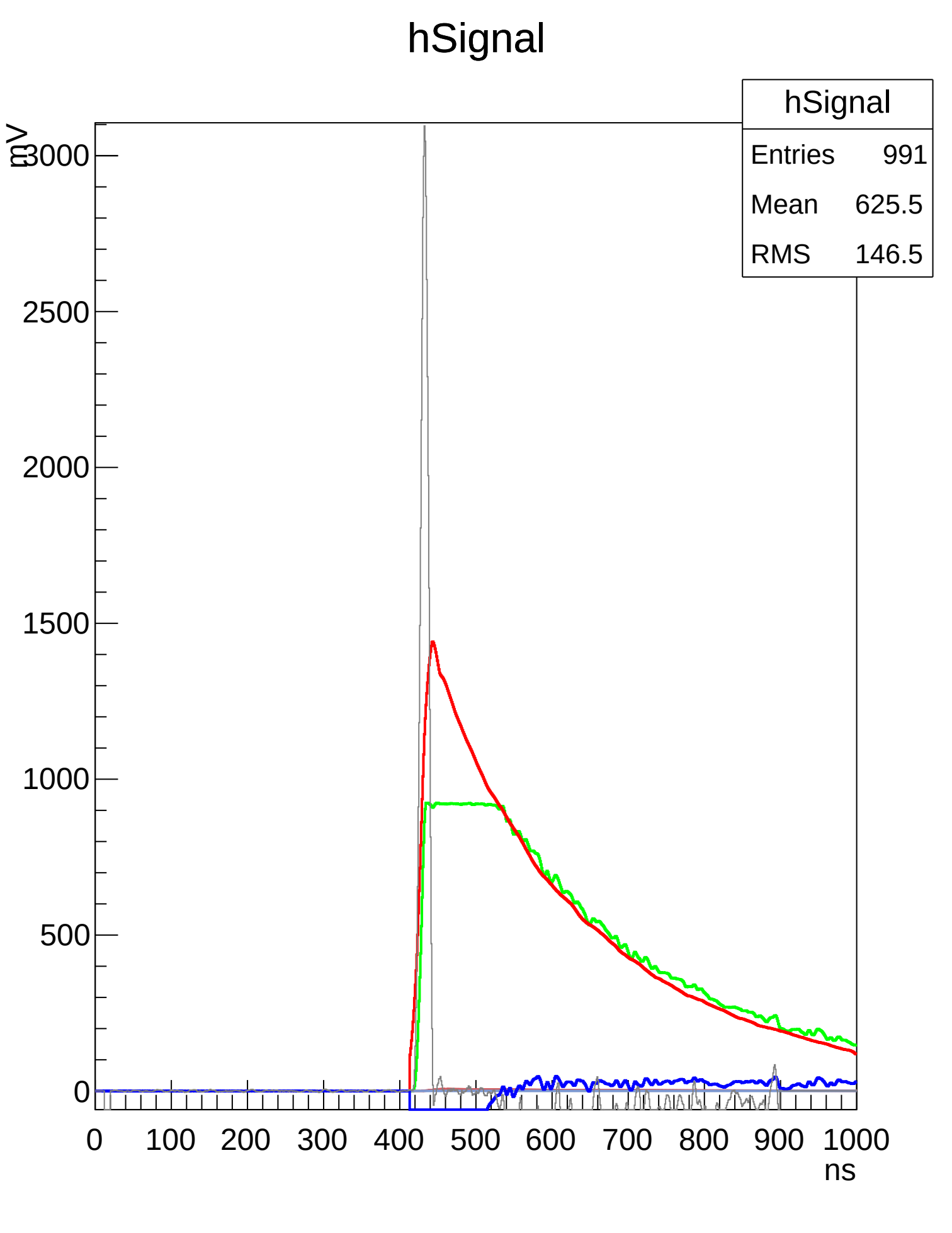

hSignal
hSignal
Entries 991
Mean 576.9
RMS 162.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

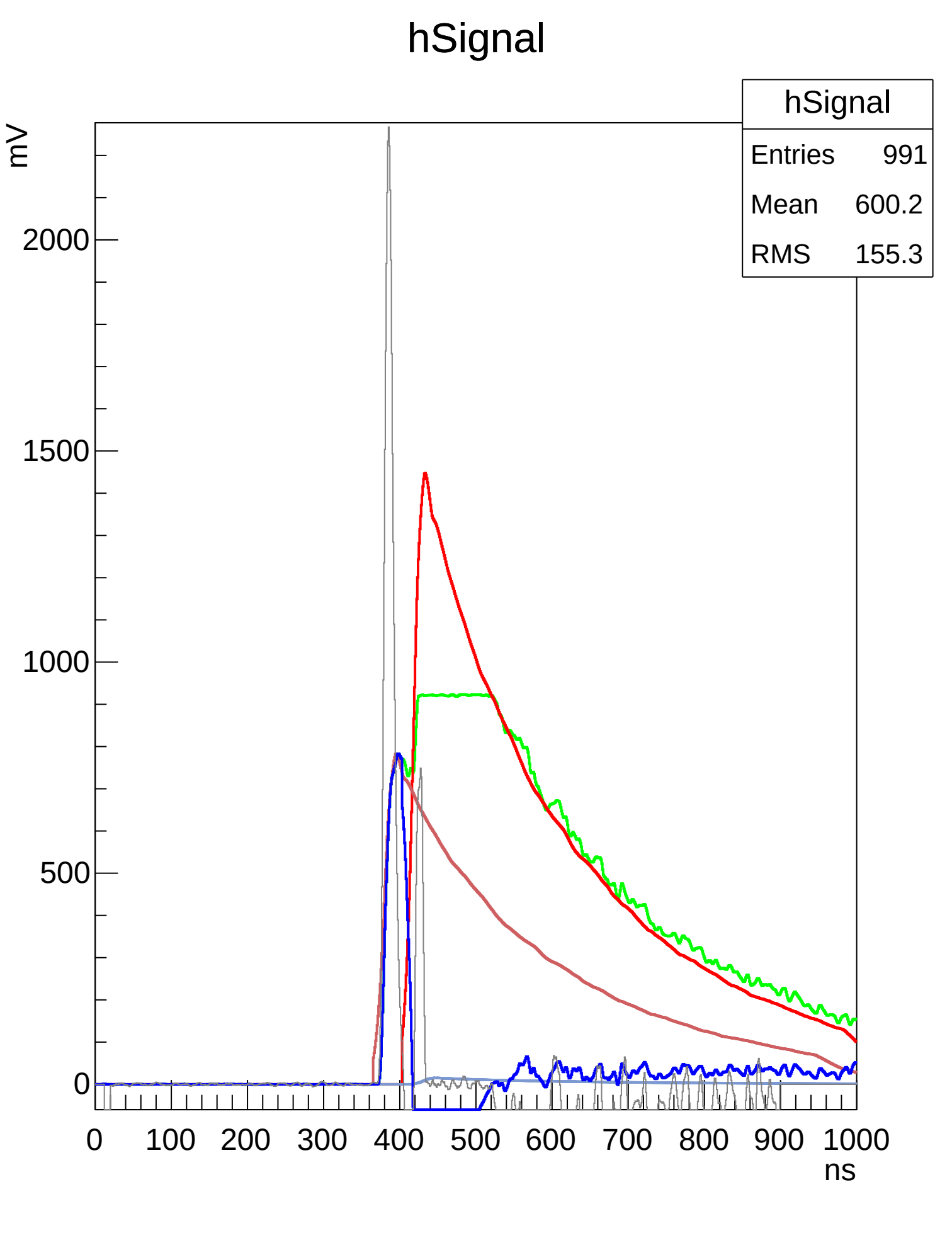

hSignal
hSignal
Entries 991
Mean 541.8
RMS 166
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

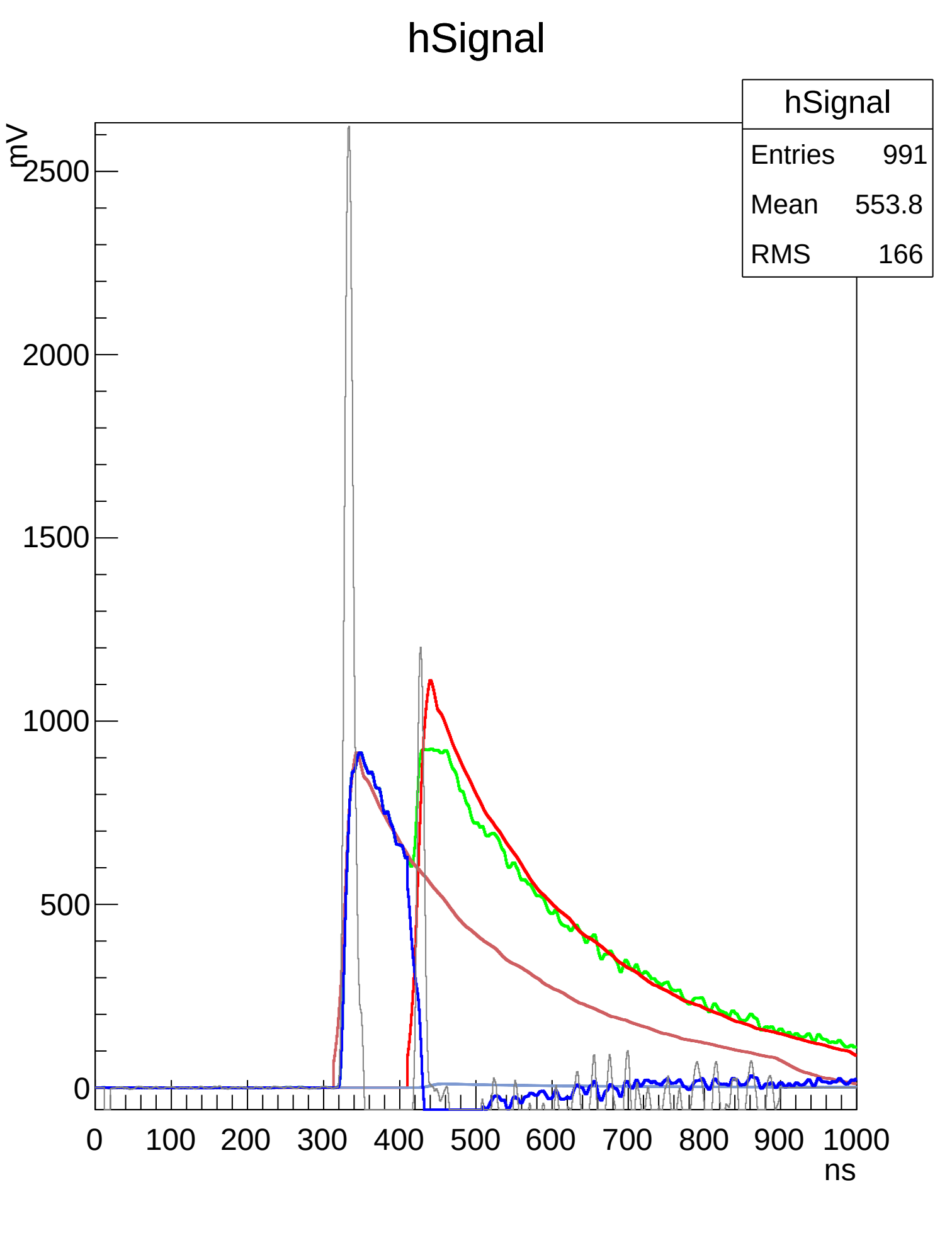

hSignal
hSignal
Entries 991
Mean 551.9
RMS 162.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

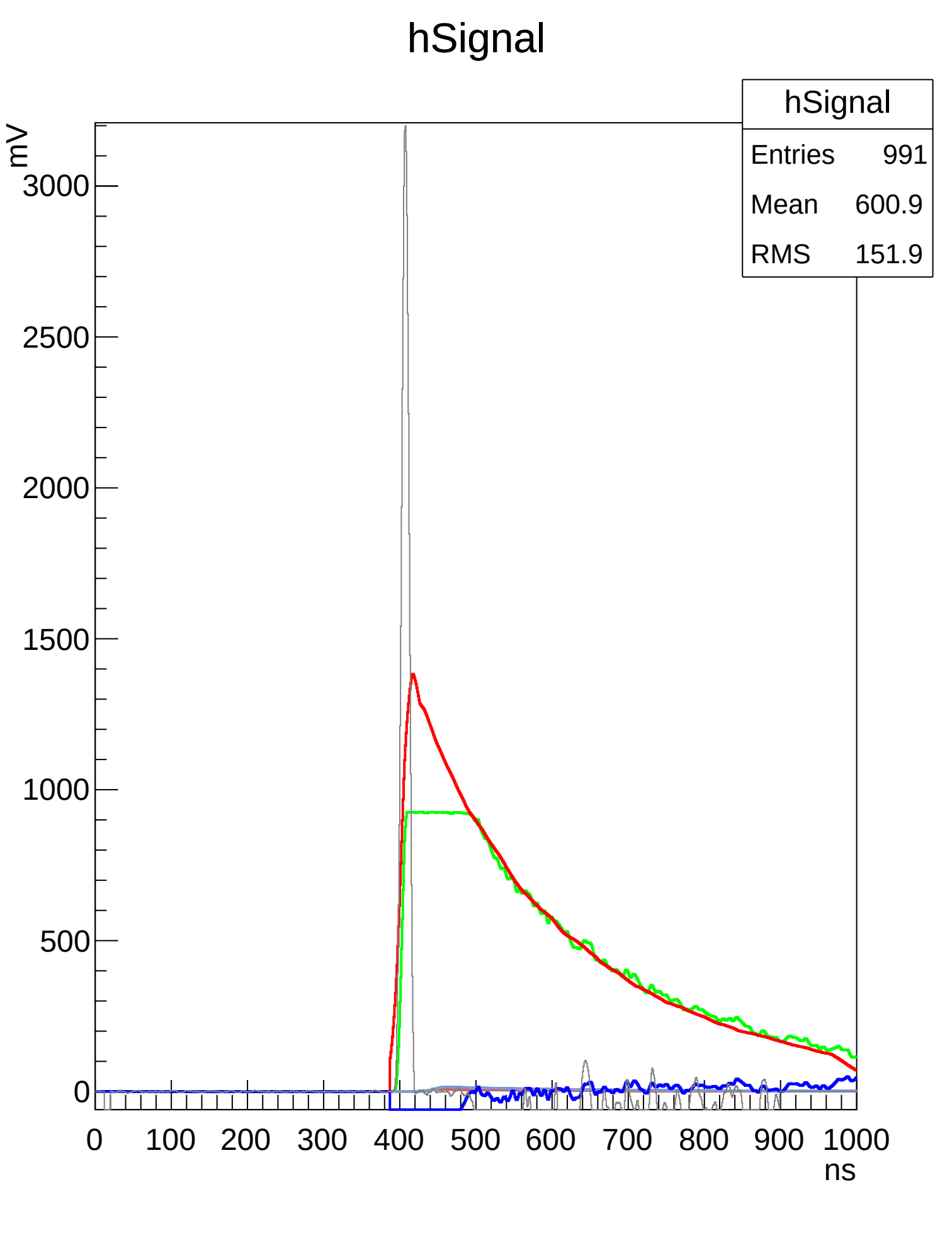

hSignal
hSignal
Entries 991
Mean 520.5
RMS 168
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

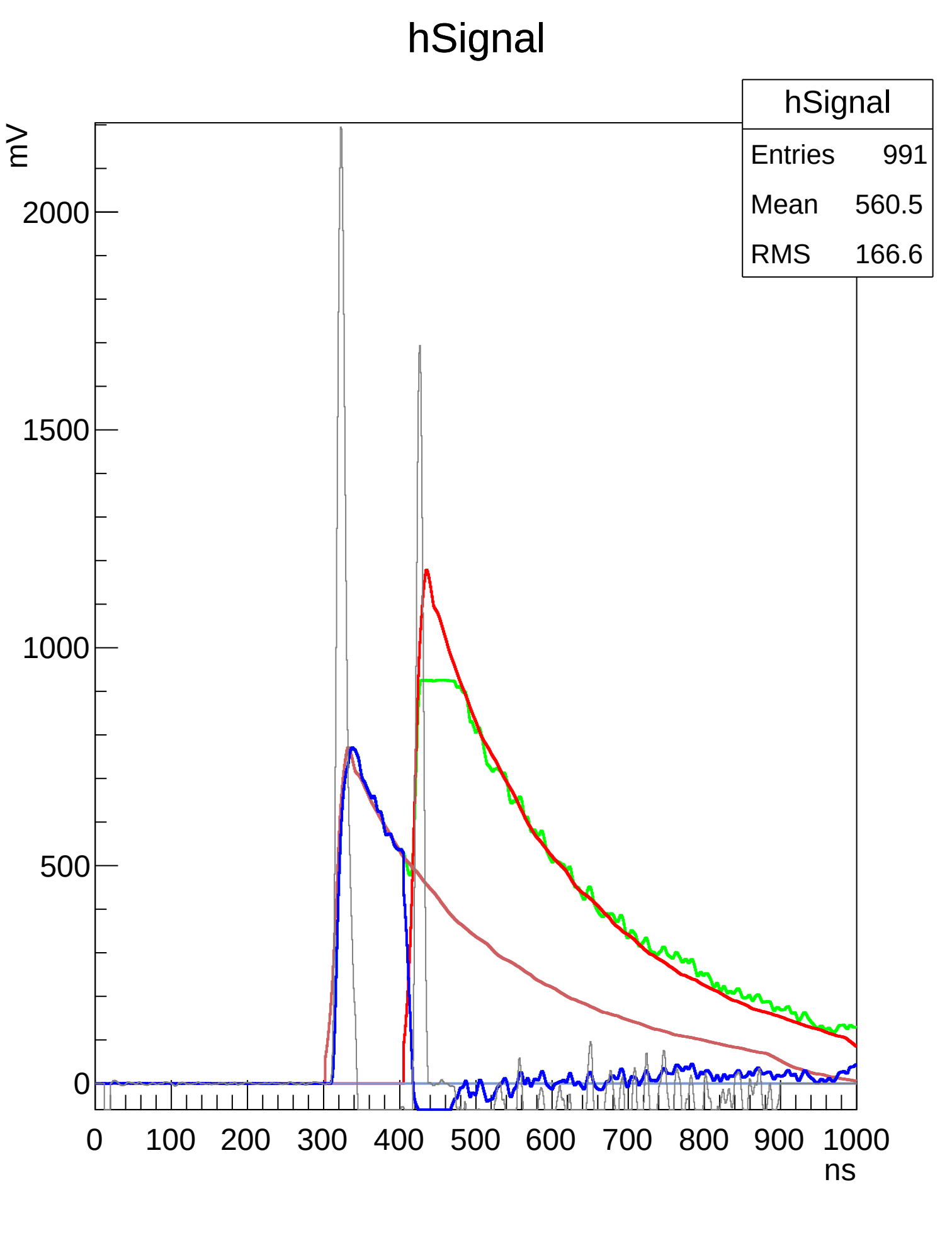

hSignal
hSignal
Entries 991
Mean 591.3
RMS 167.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

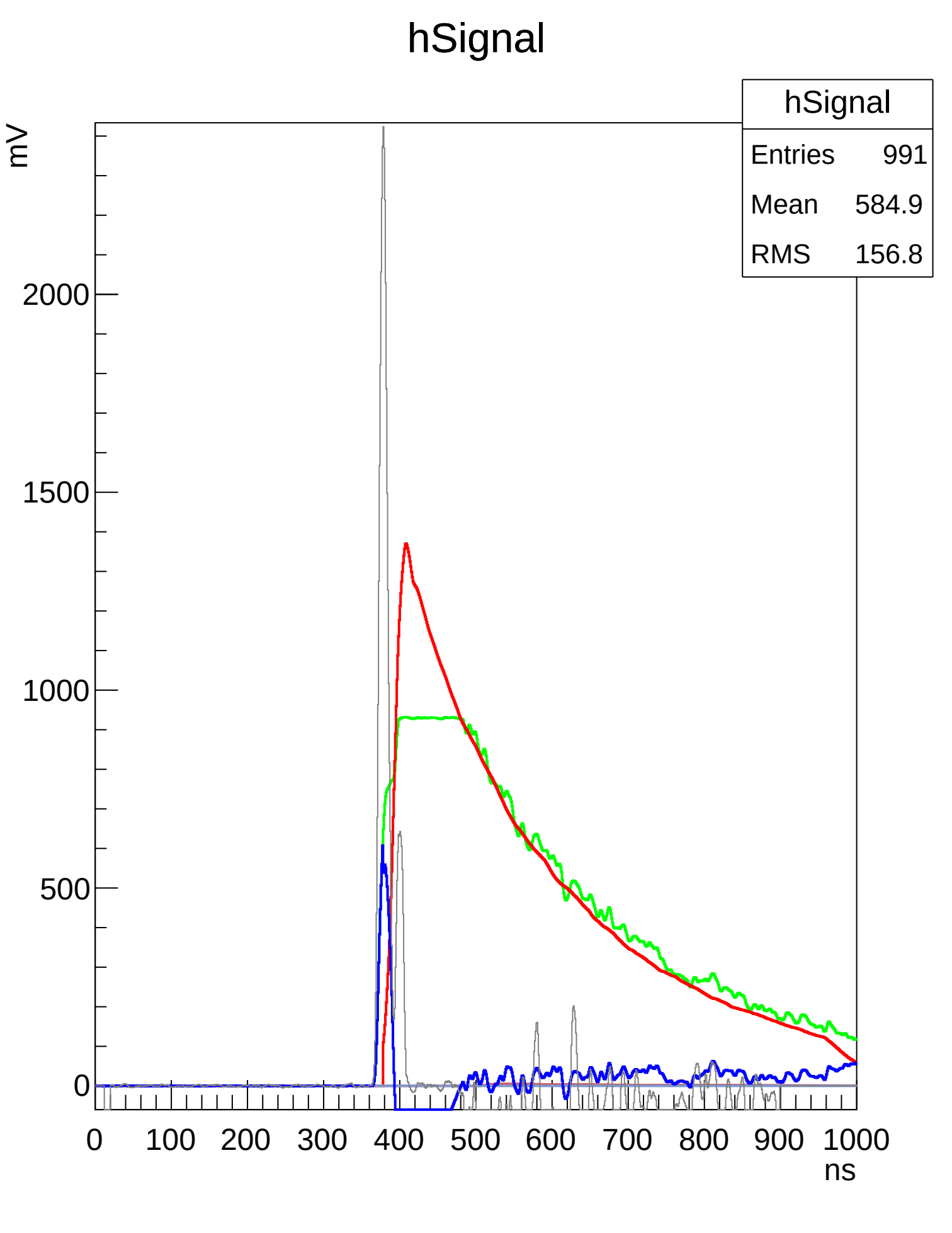

hSignal
hSignal
Entries 991
Mean 625.5
RMS 146.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

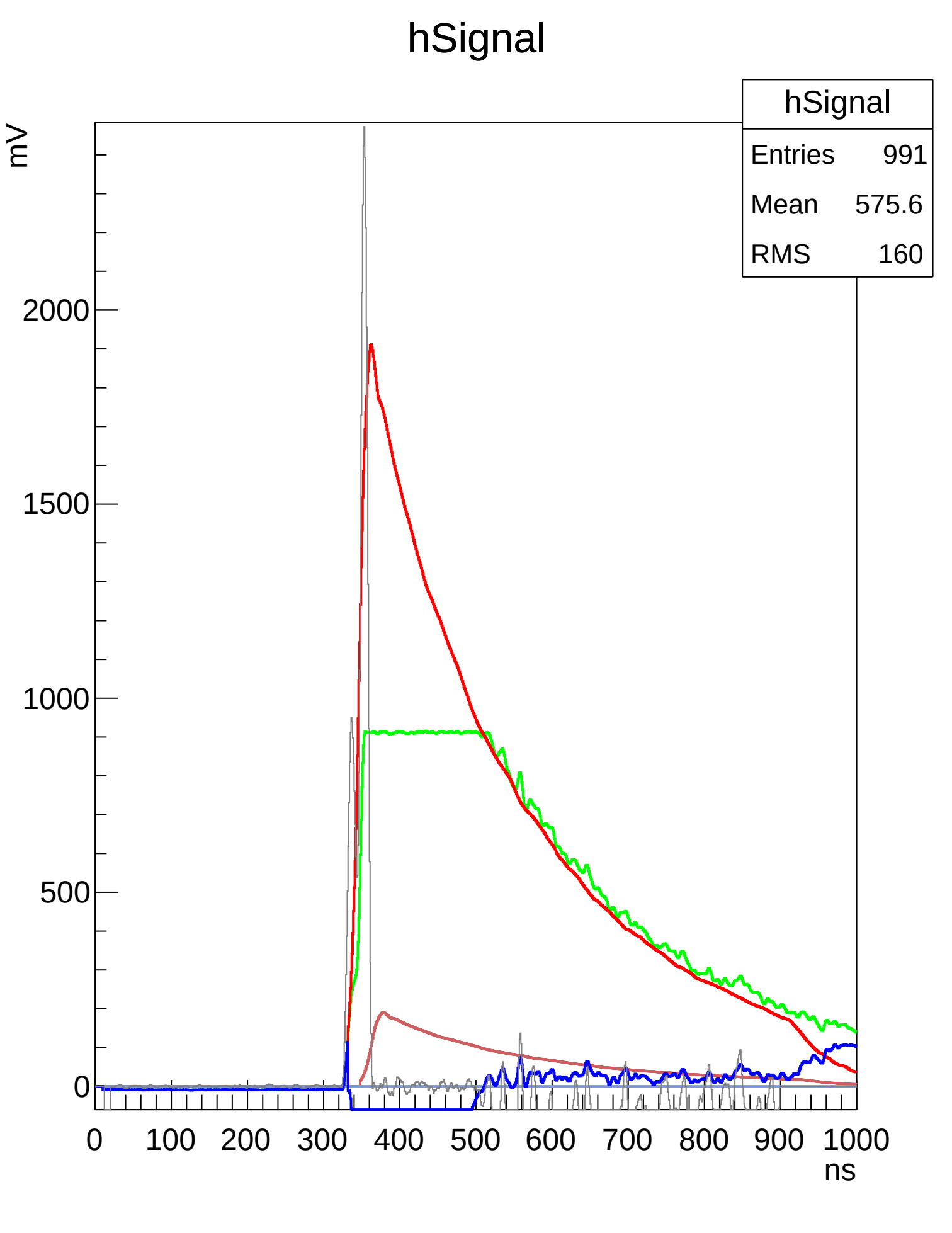

hSignal
hSignal
Entries 991
Mean 600.2
RMS 155.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

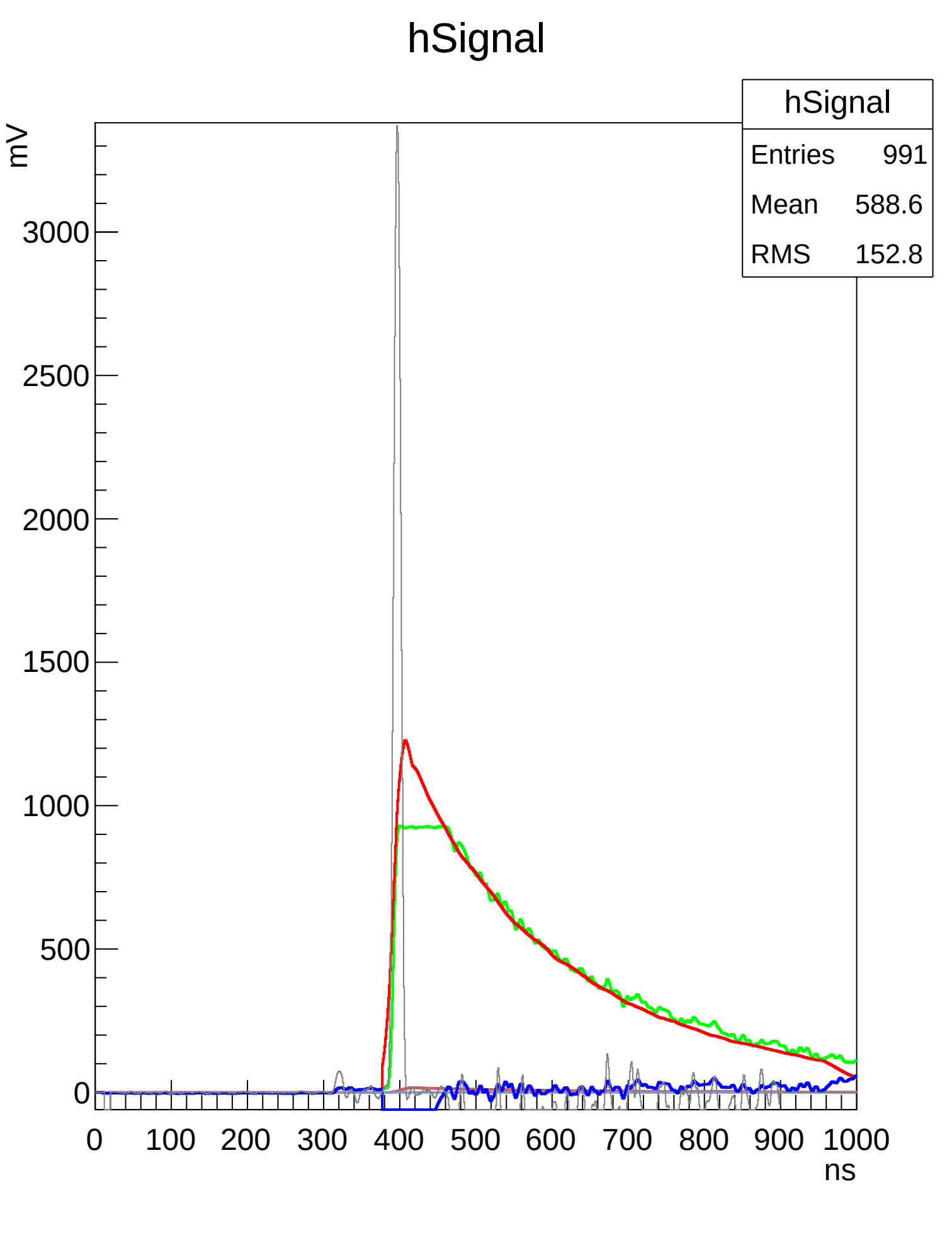

hSignal
hSignal
Entries 991
Mean 553.8
RMS 166
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

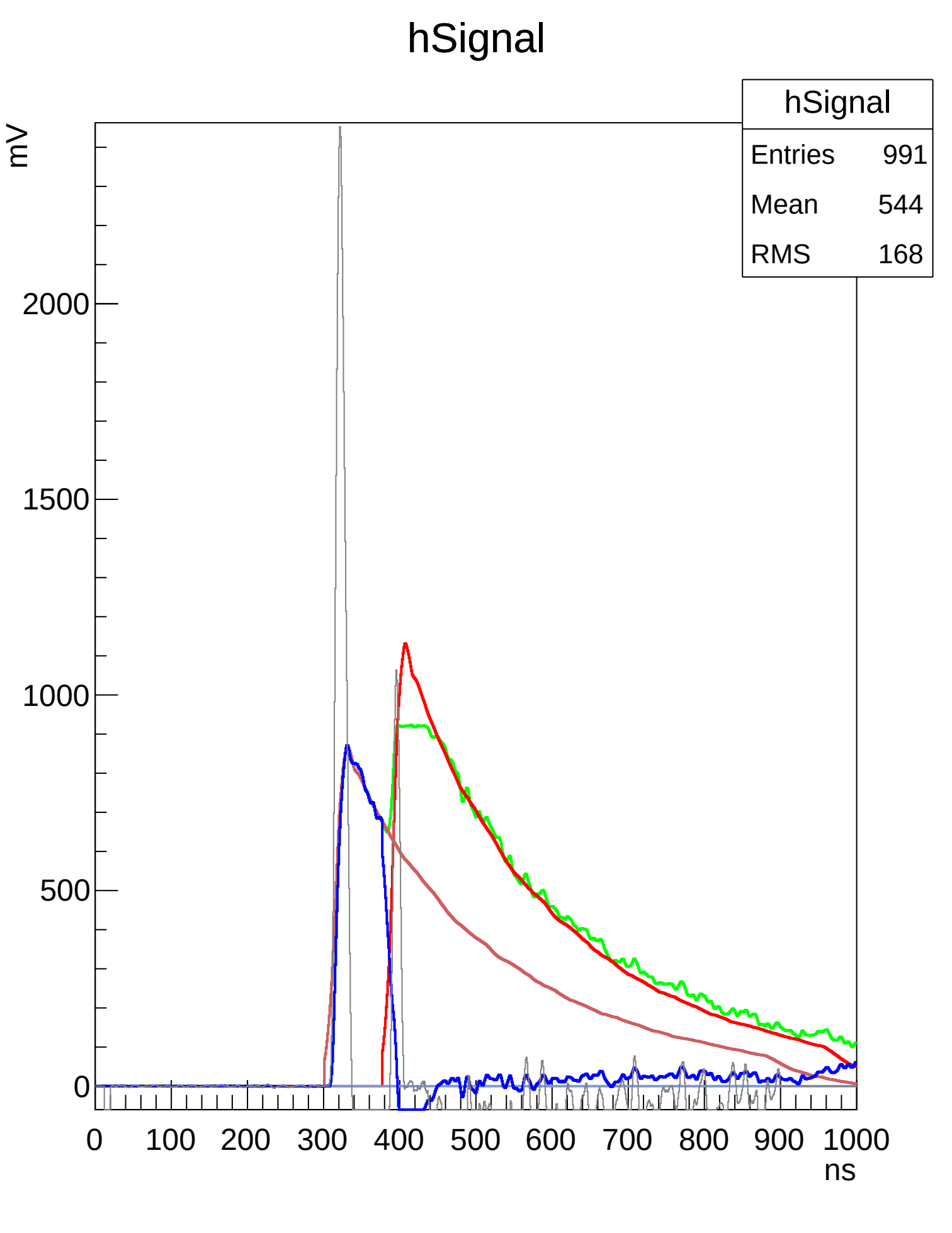

hSignal
hSignal
Entries 991
Mean 600.9
RMS 151.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

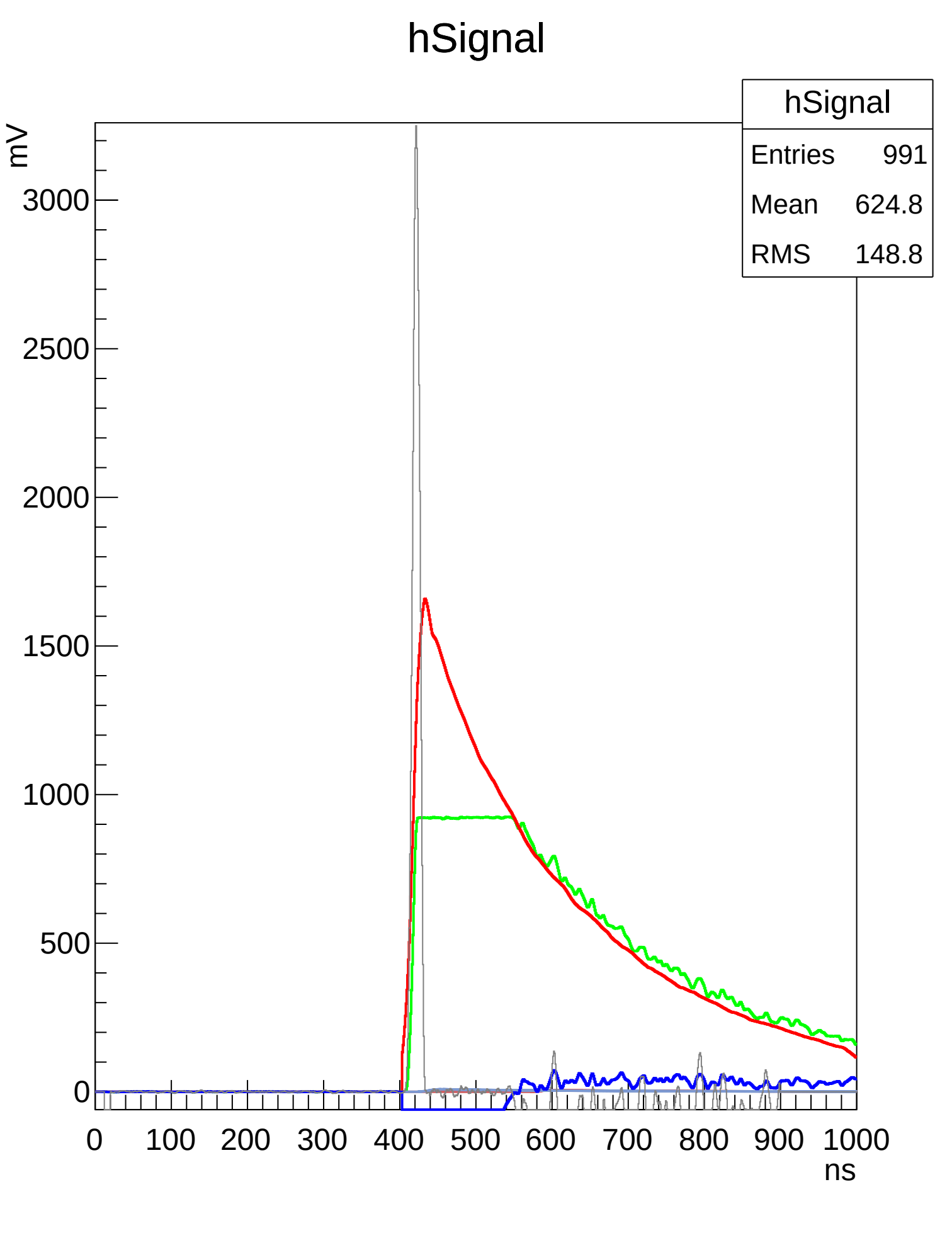

hSignal
hSignal
Entries 991
Mean 560.5
RMS 166.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

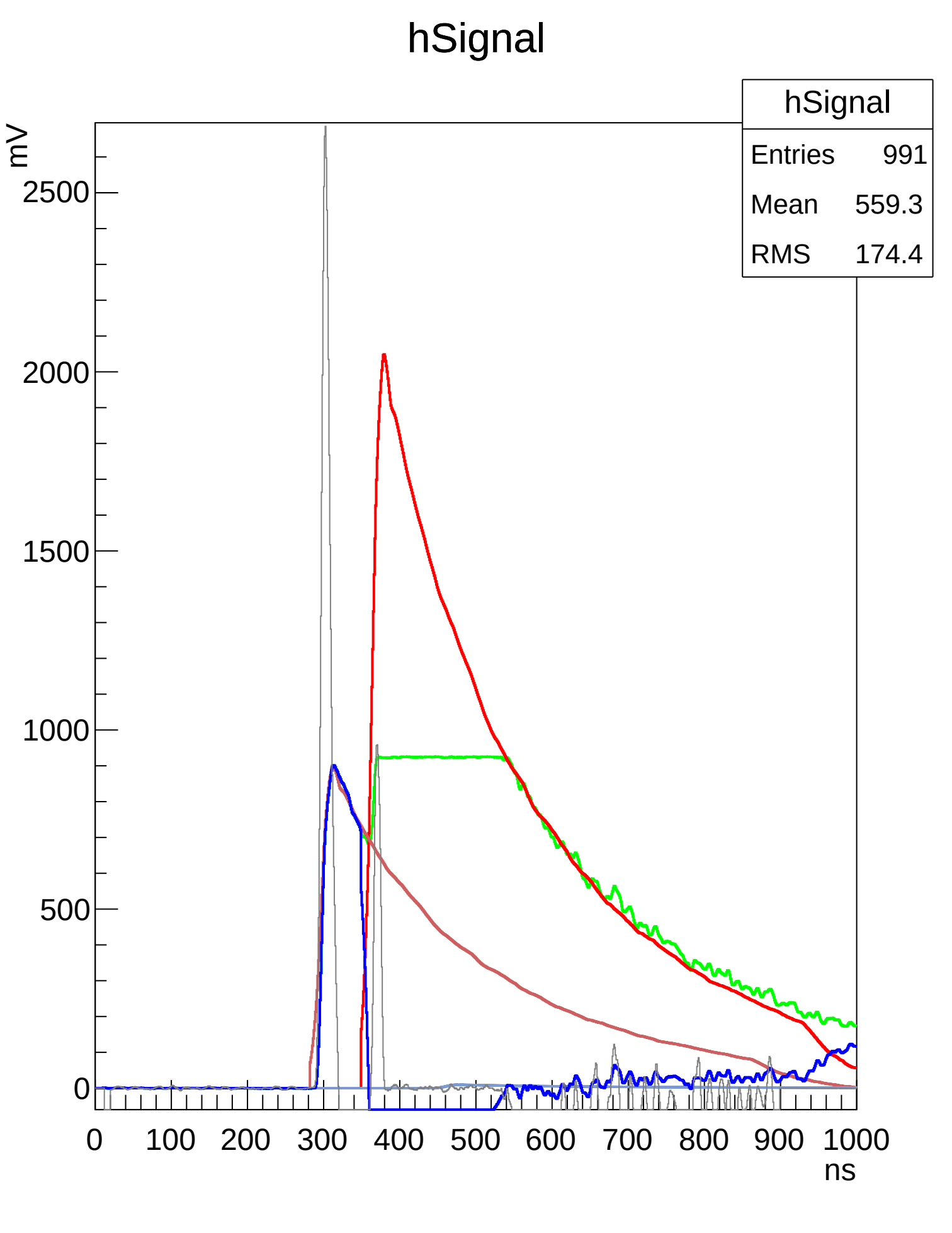

hSignal
hSignal
Entries 991
Mean 584.9
RMS 156.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

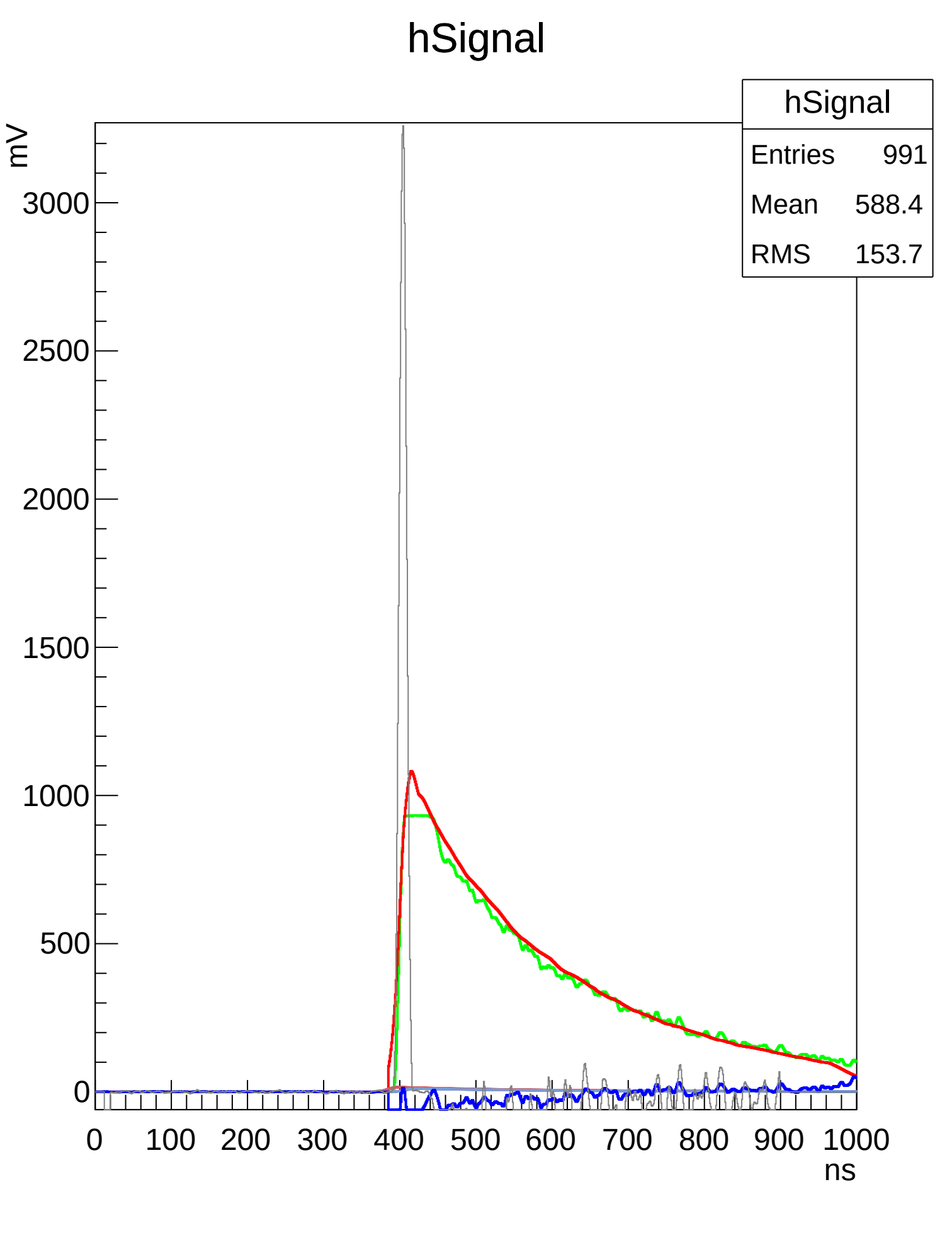

hSignal
hSignal
Entries 991
Mean 575.6
RMS 160
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

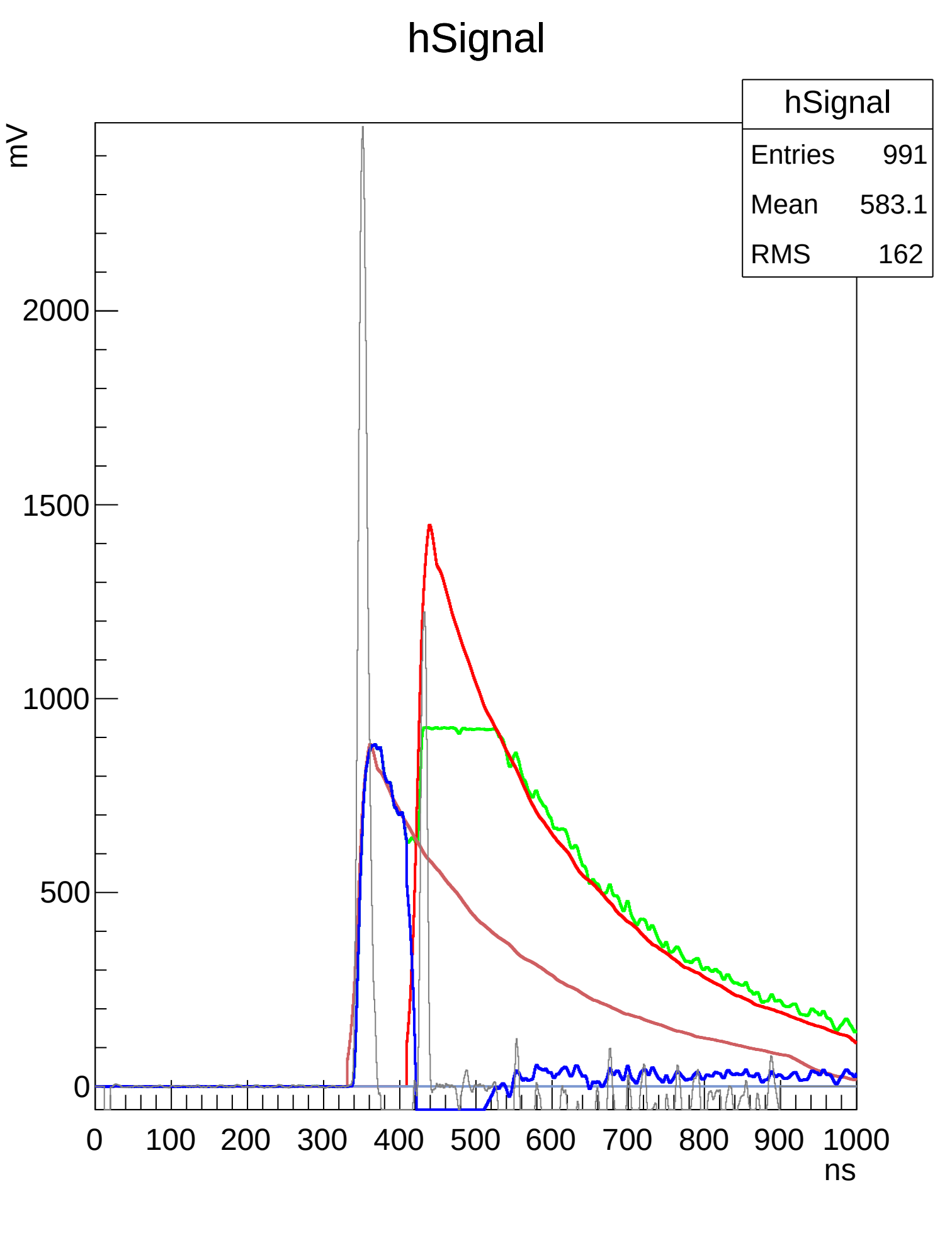

hSignal
hSignal
Entries 991
Mean 588.6
RMS 152.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

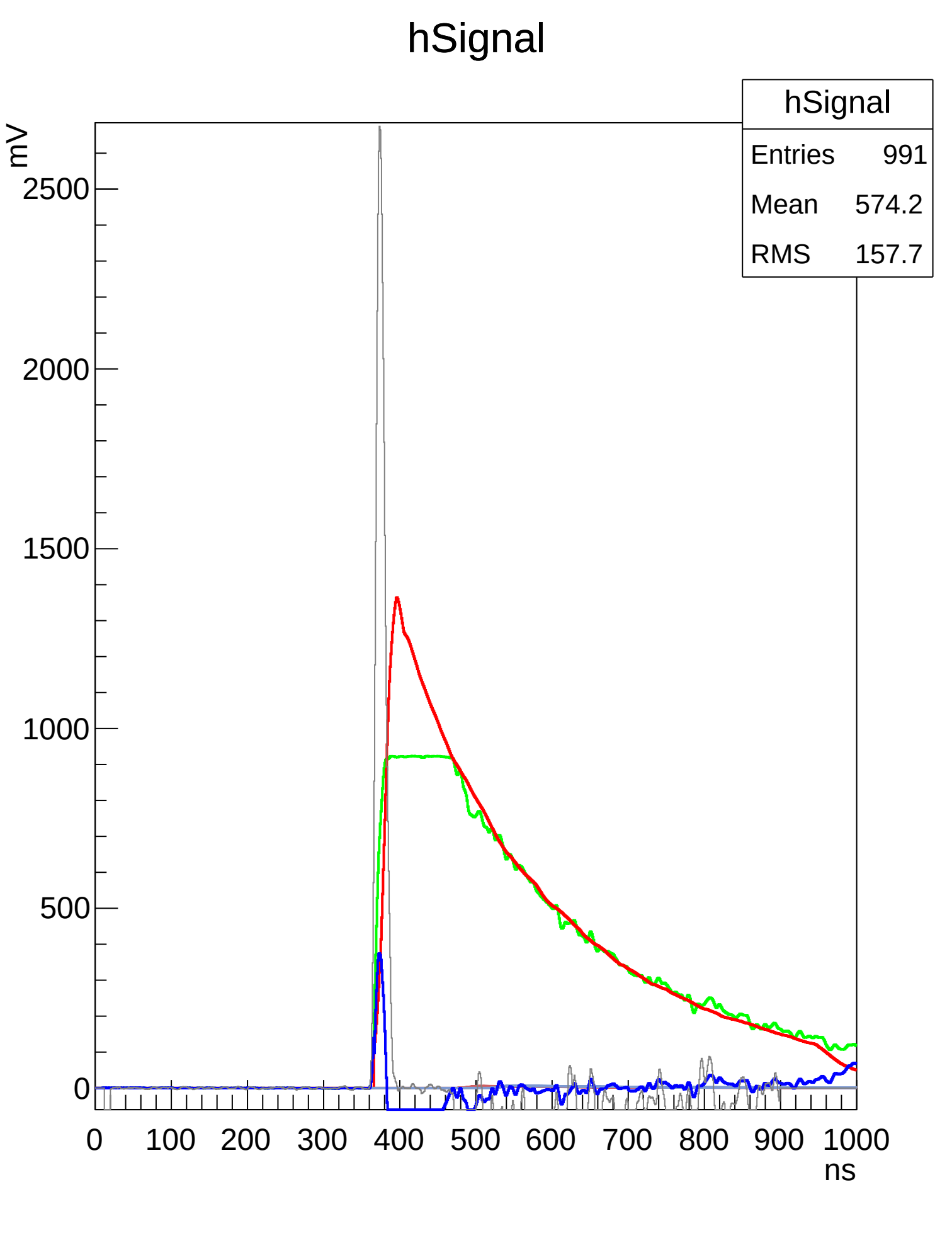

hSignal
hSignal
Entries 991
Mean 544
RMS 168
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

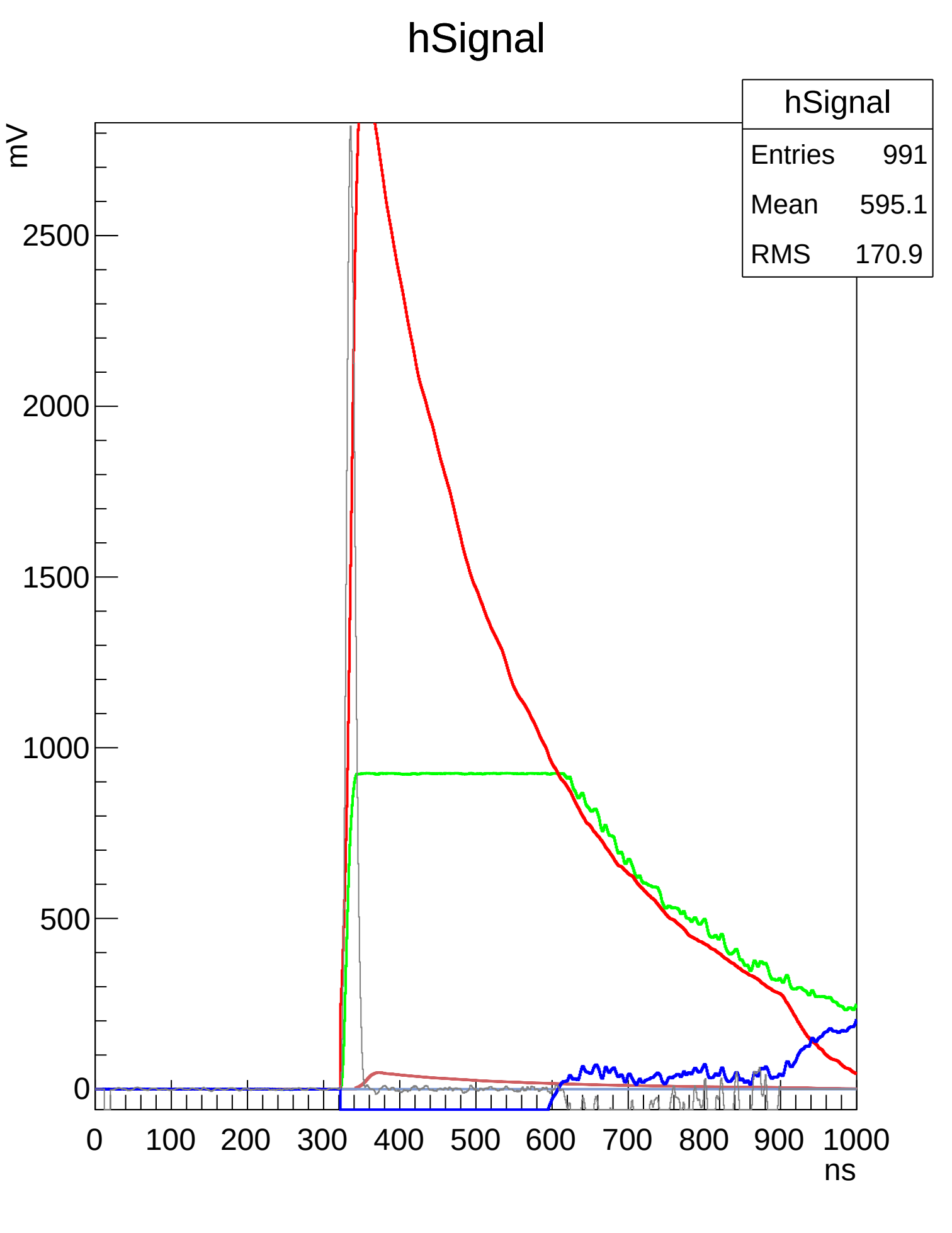

hSignal
hSignal
Entries 991
Mean 624.8
RMS 148.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

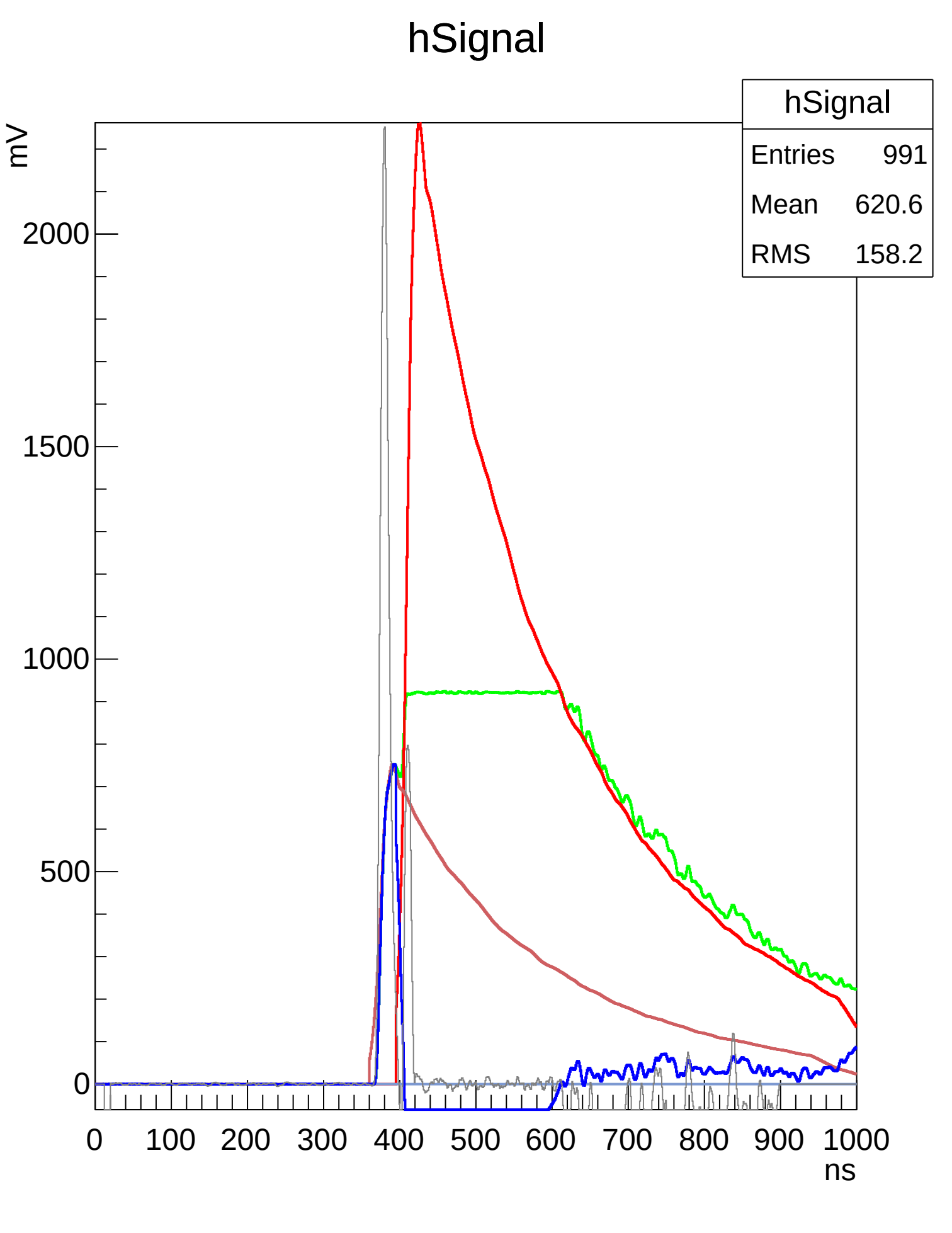

hSignal
hSignal
Entries 991
Mean 559.3
RMS 174.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

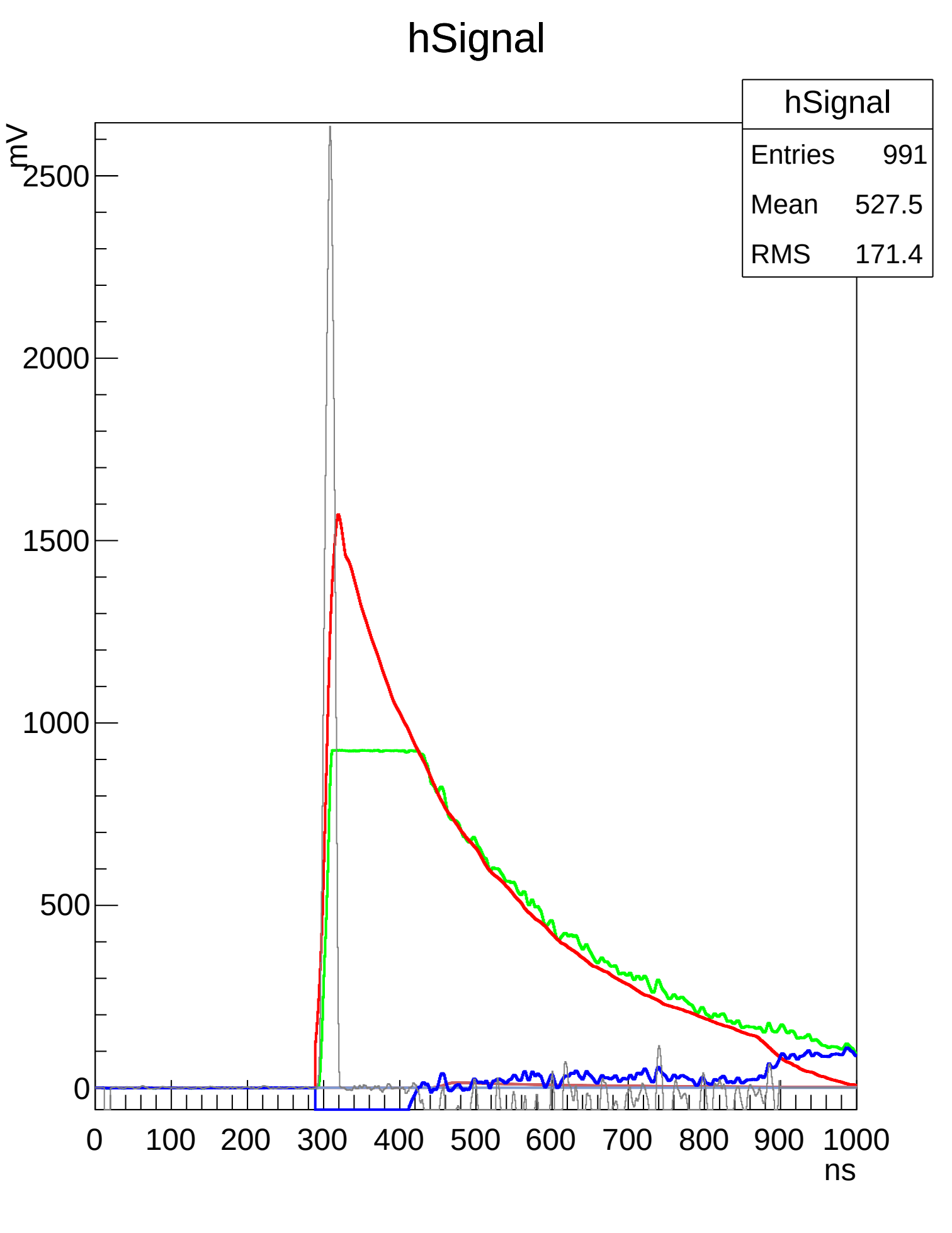

hSignal
hSignal
Entries 991
Mean 588.4
RMS 153.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

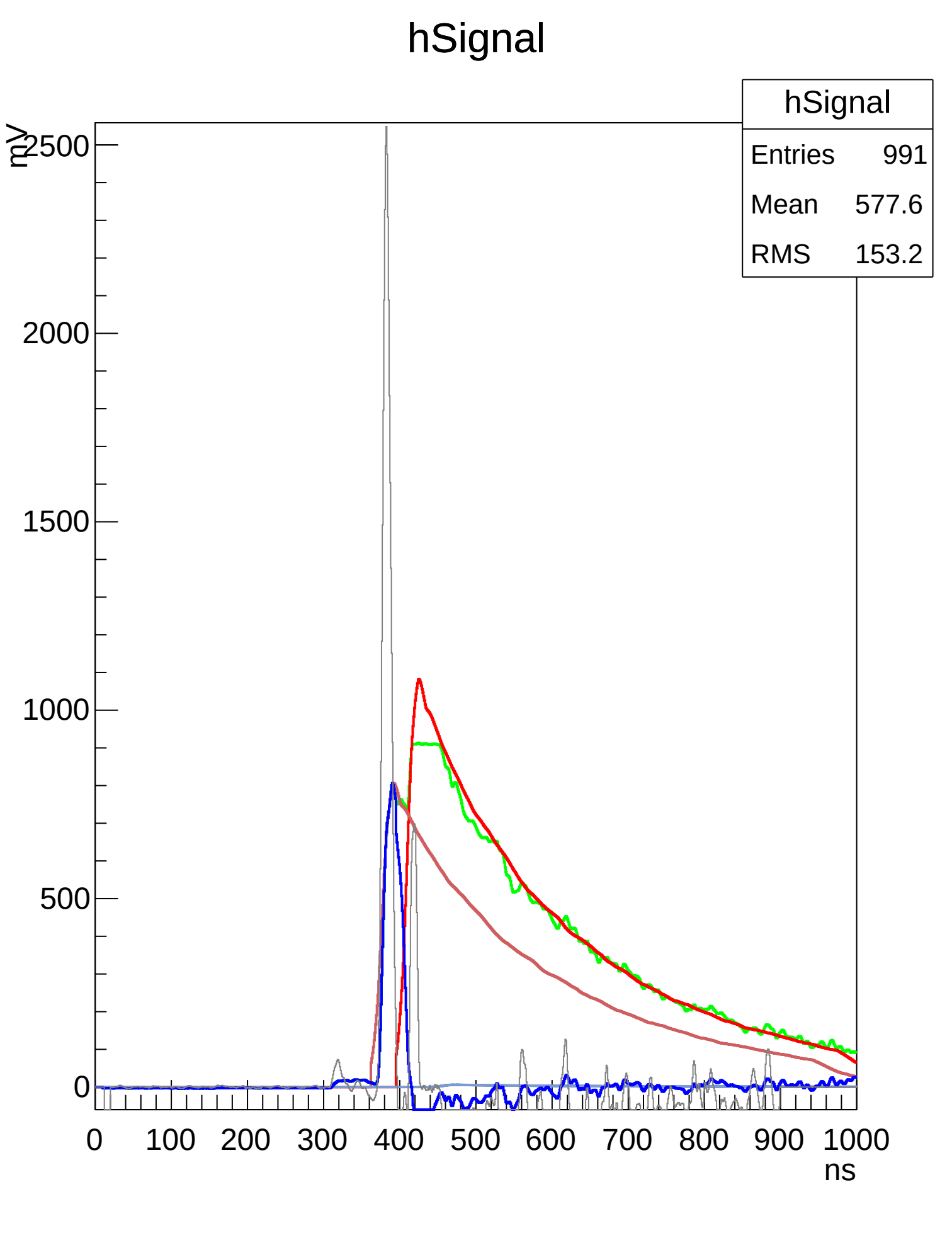

hSignal
hSignal
Entries 991
Mean 583.1
RMS 162
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

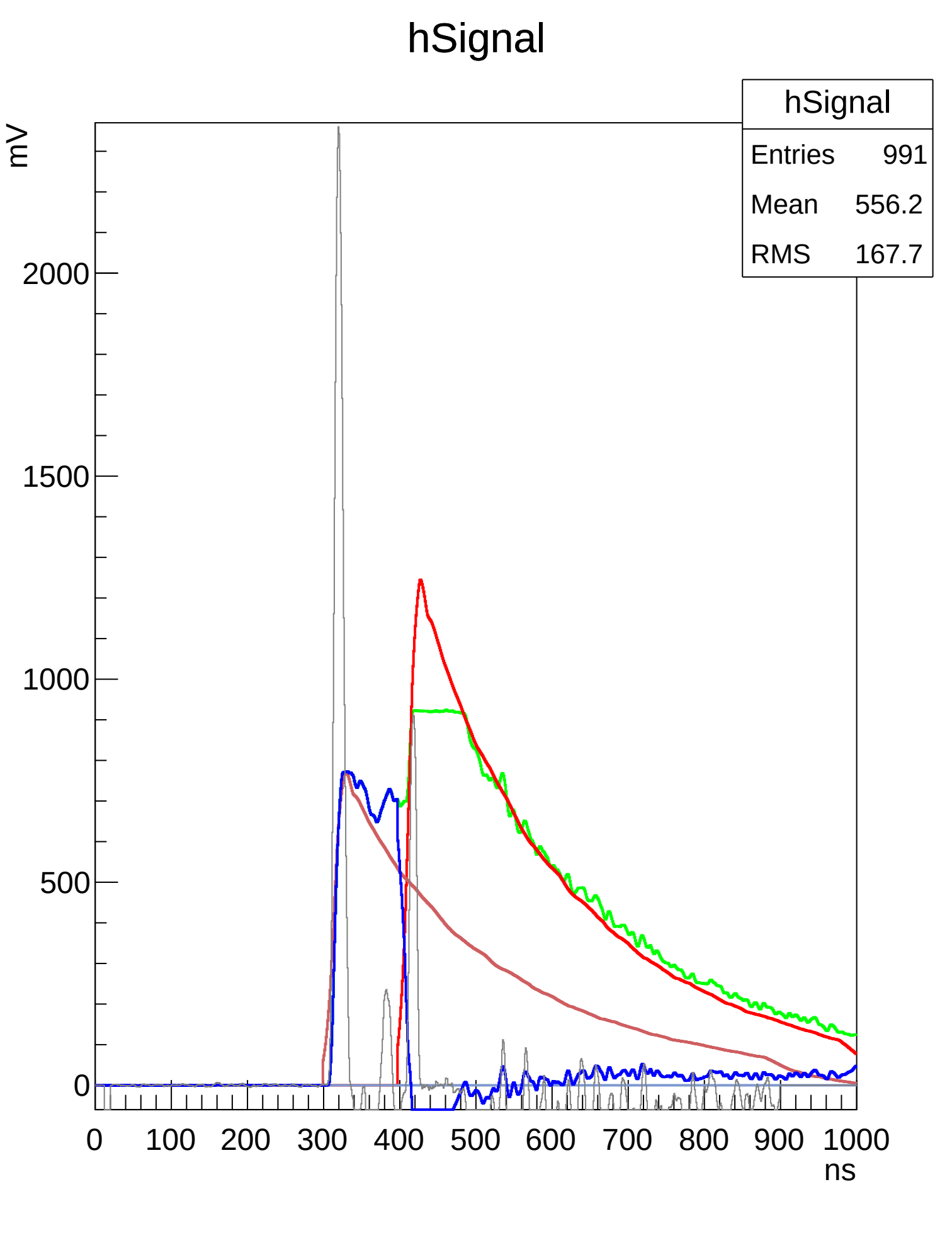

hSignal
hSignal
Entries 991
Mean 574.2
RMS 157.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

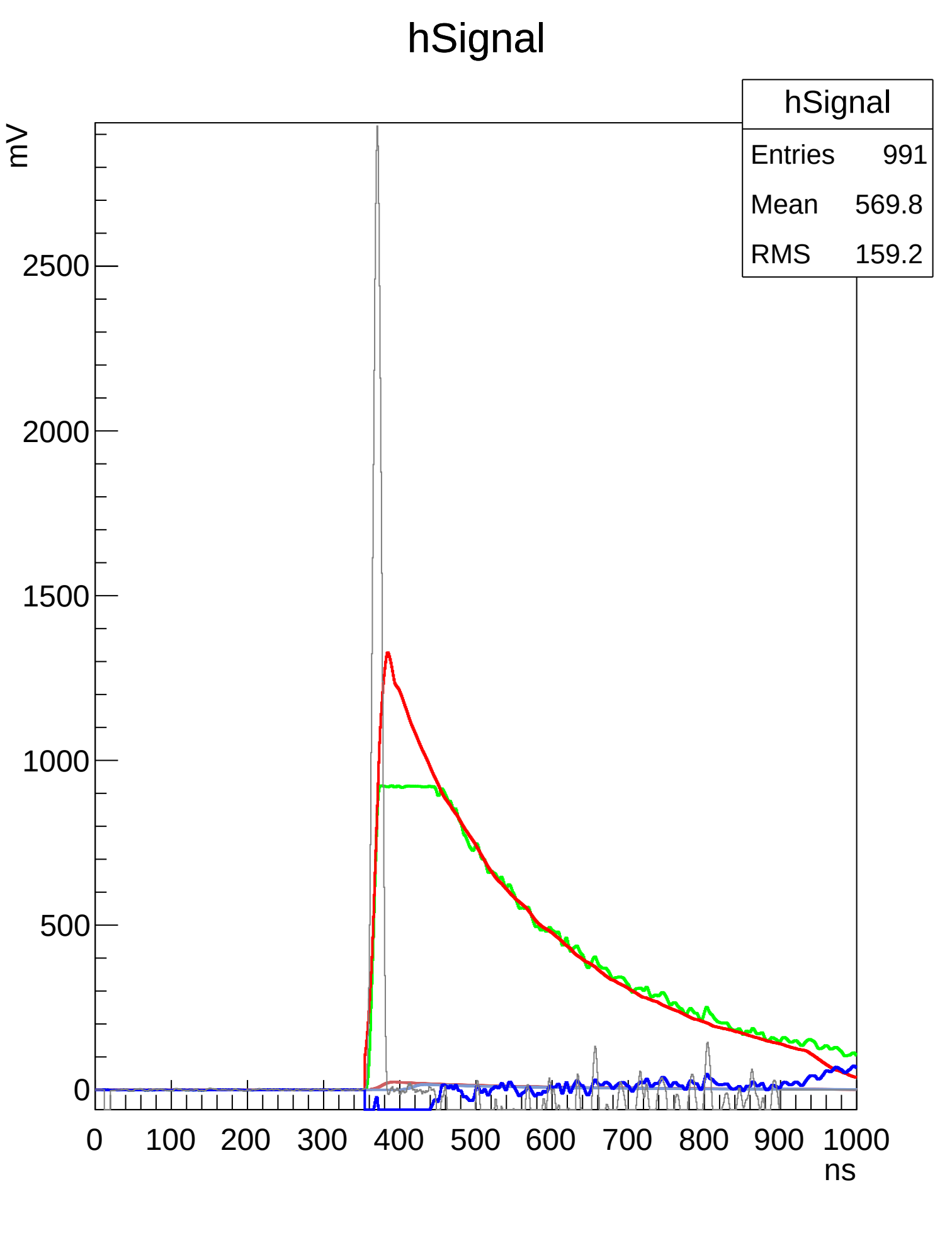

hSignal
hSignal
Entries 991
Mean 595.1
RMS 170.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

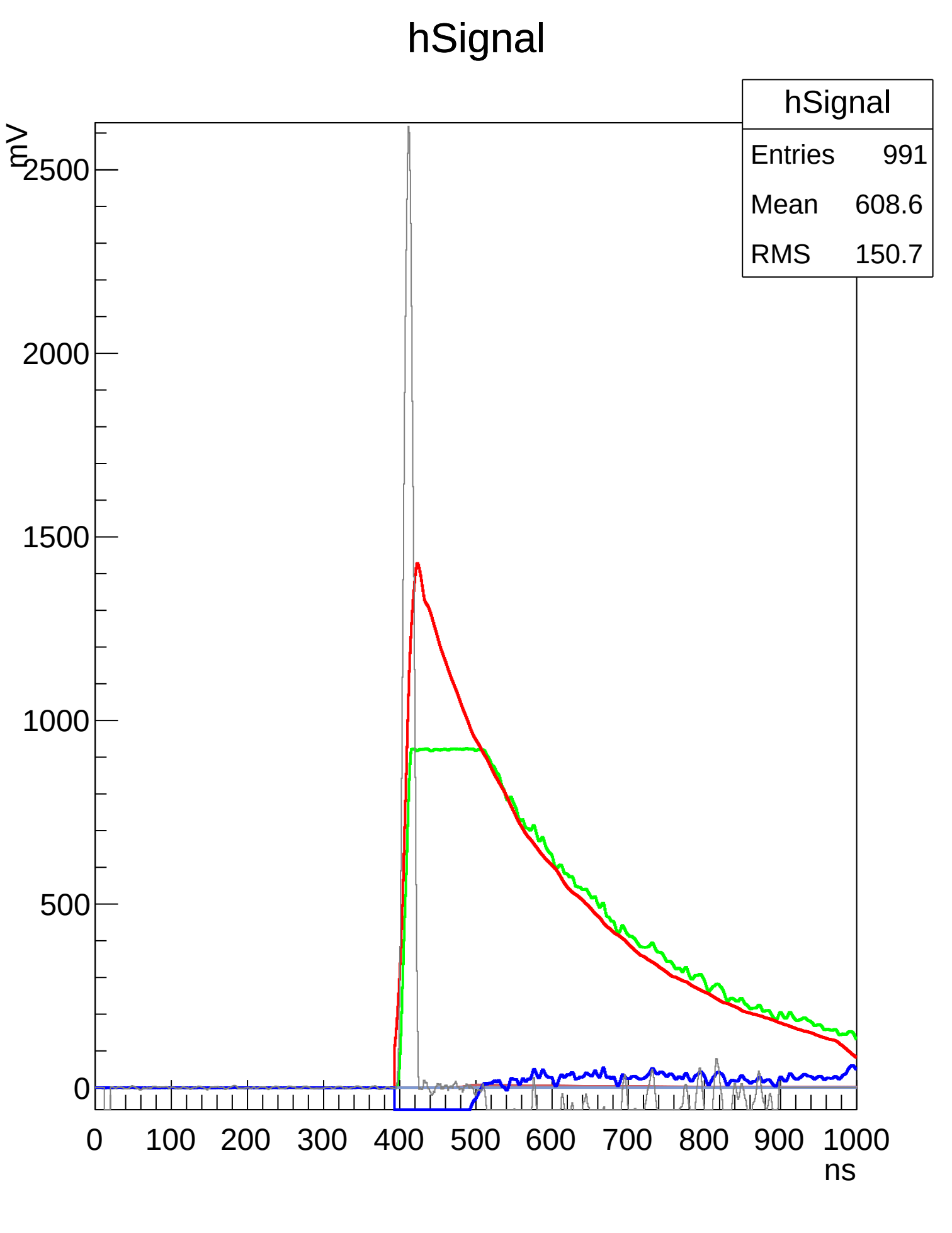

hSignal
hSignal
Entries 991
Mean 620.6
RMS 158.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

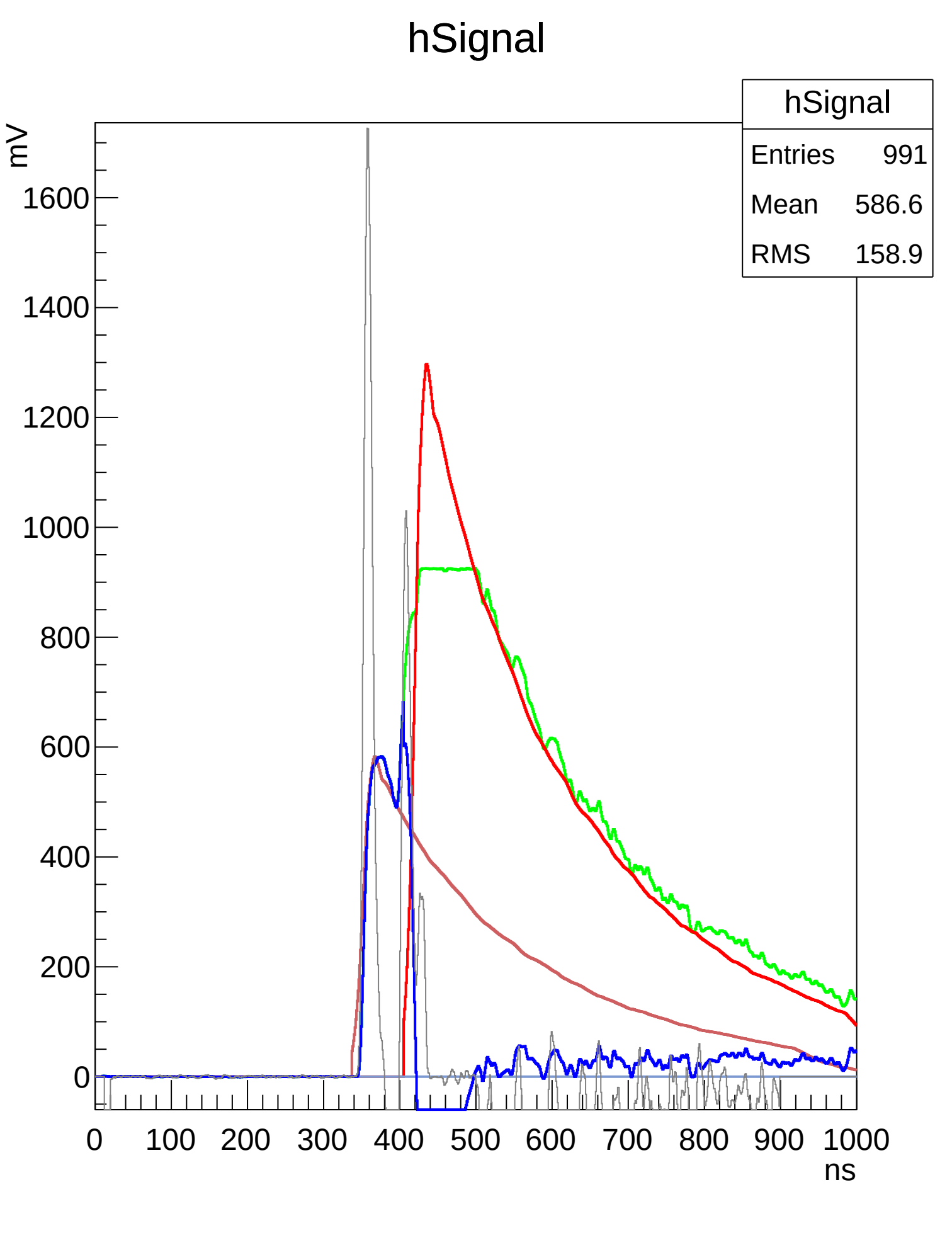

hSignal
hSignal
Entries 991
Mean 527.5
RMS 171.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

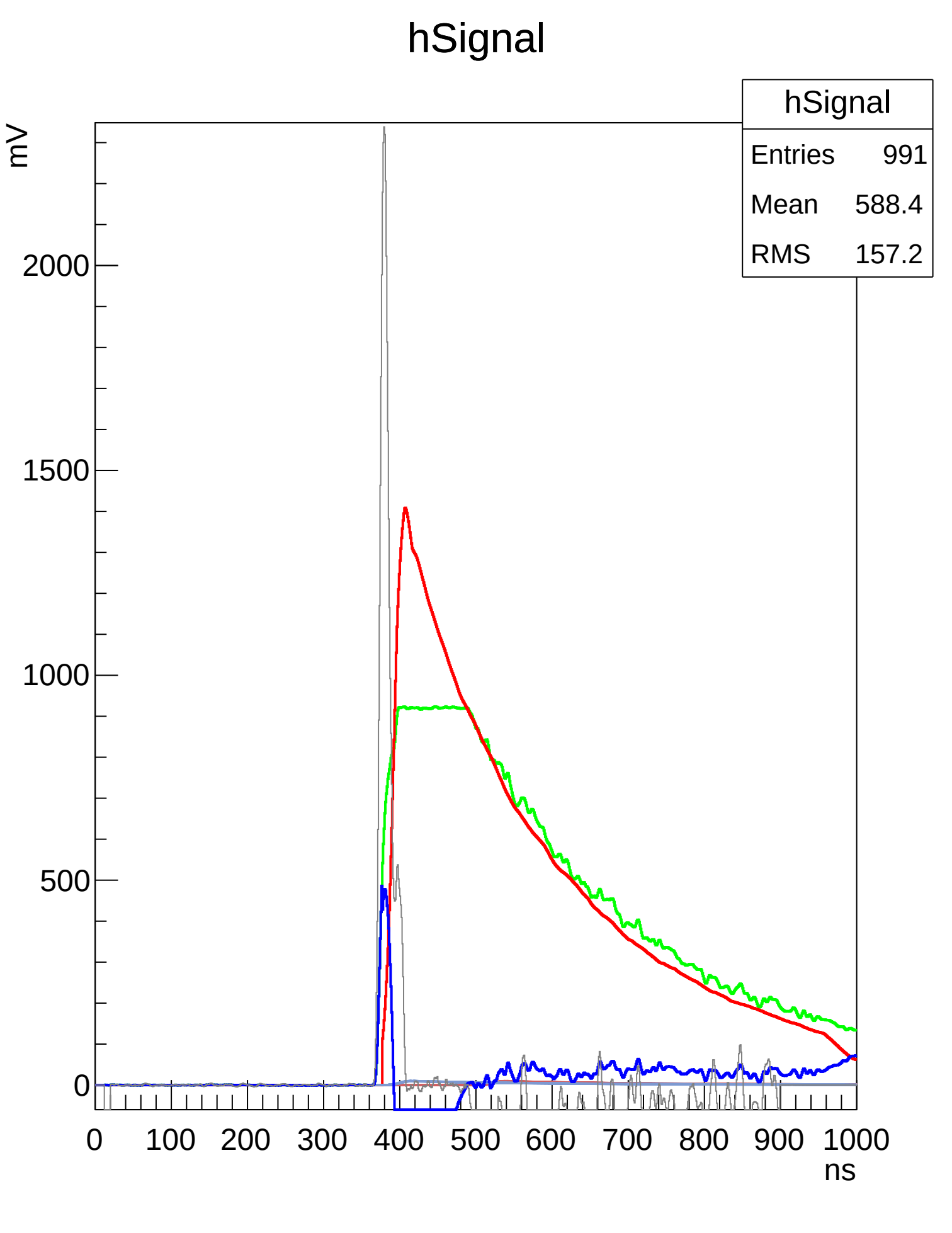

hSignal
hSignal
Entries 991
Mean 577.6
RMS 153.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

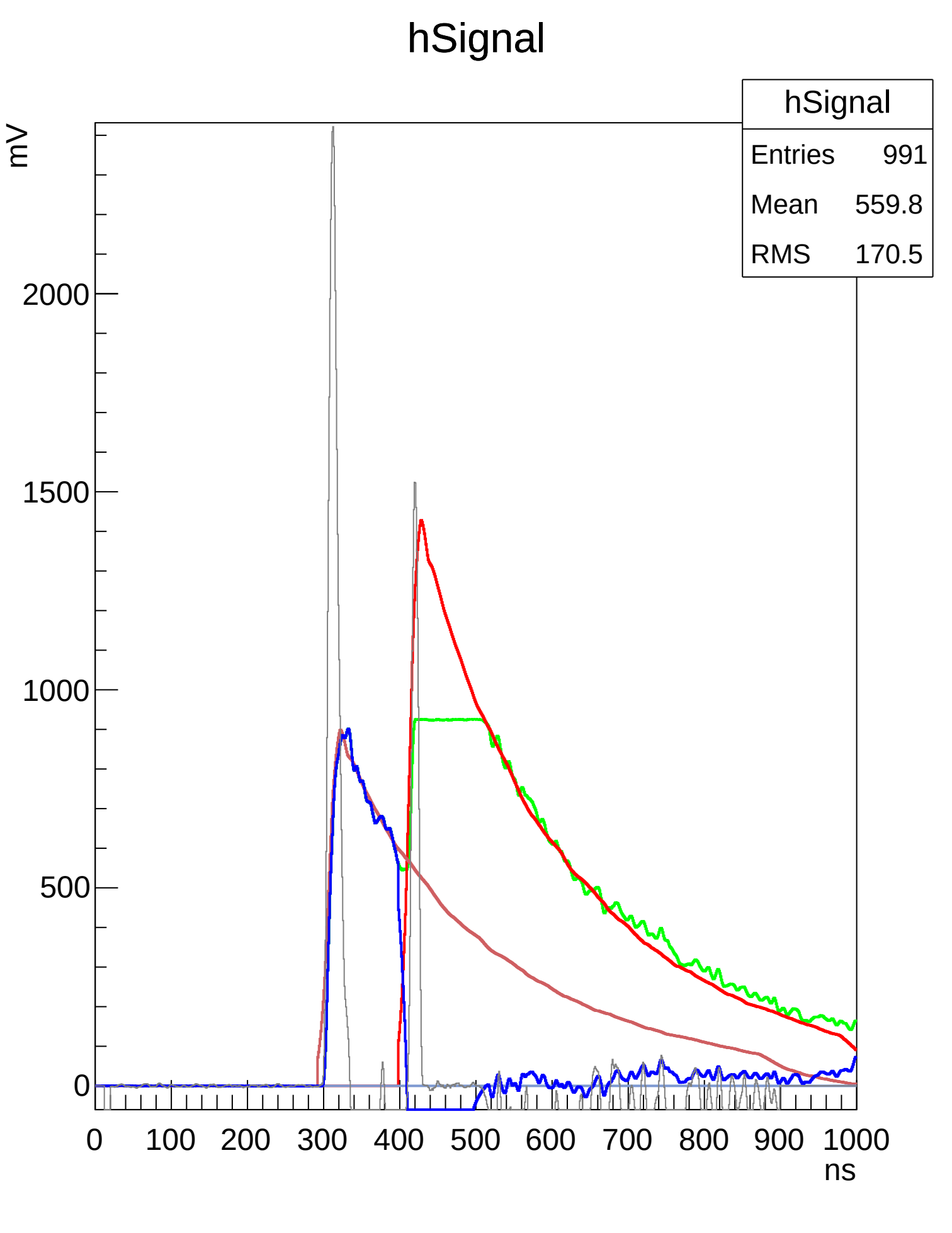

hSignal
hSignal
Entries 991
Mean 556.2
RMS 167.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

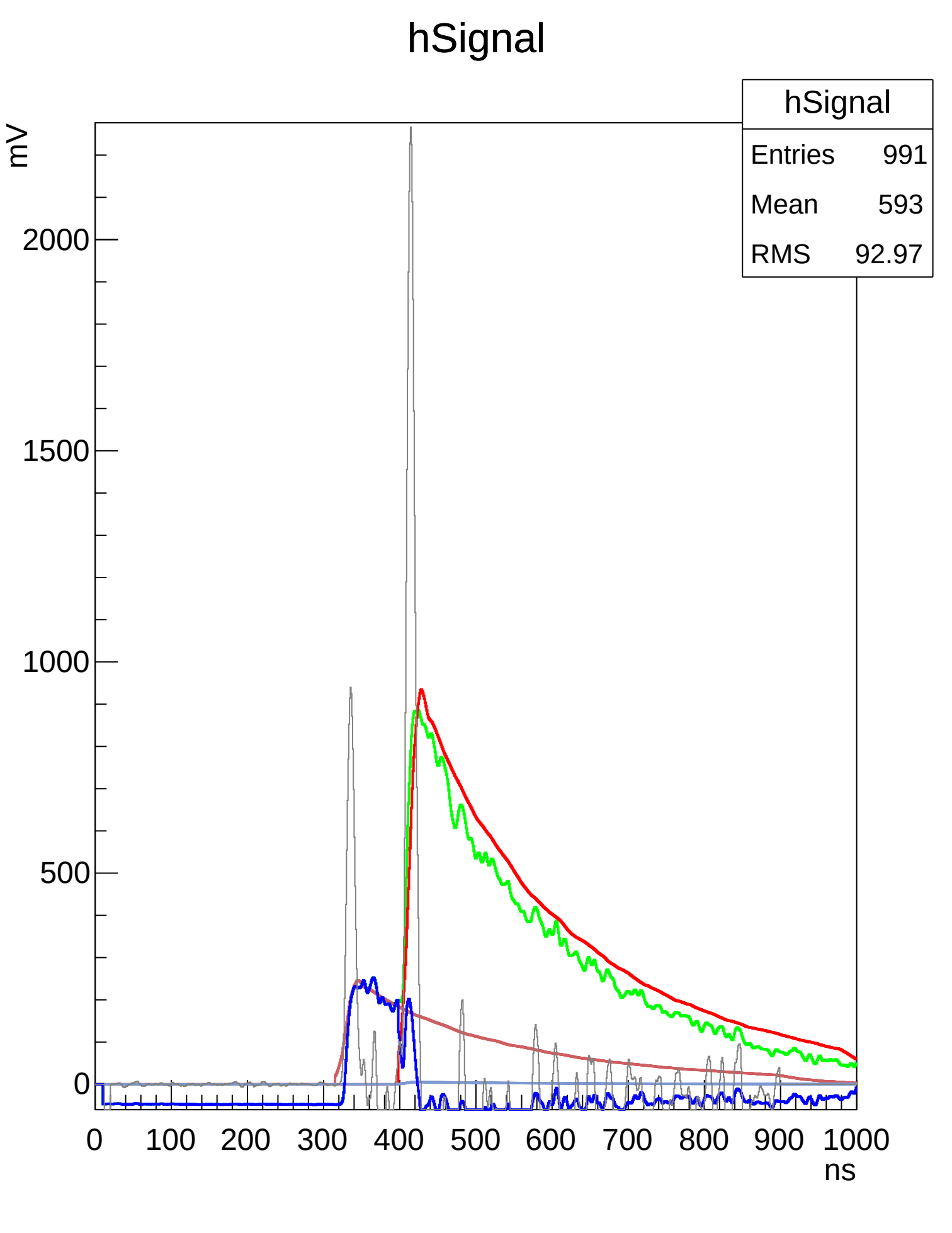

hSignal
hSignal
Entries 991
Mean 569.8
RMS 159.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

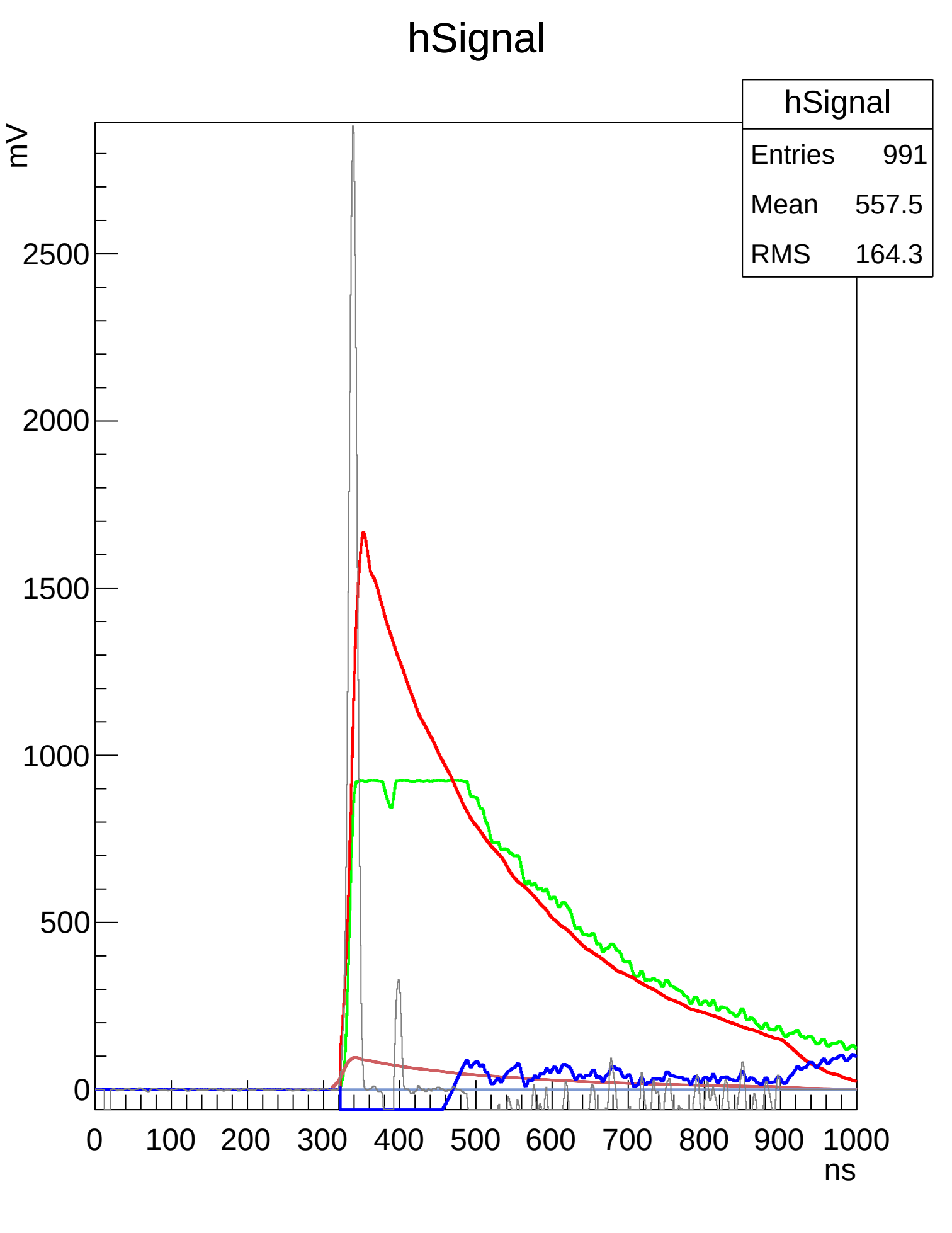

hSignal
hSignal
Entries 991
Mean 608.6
RMS 150.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

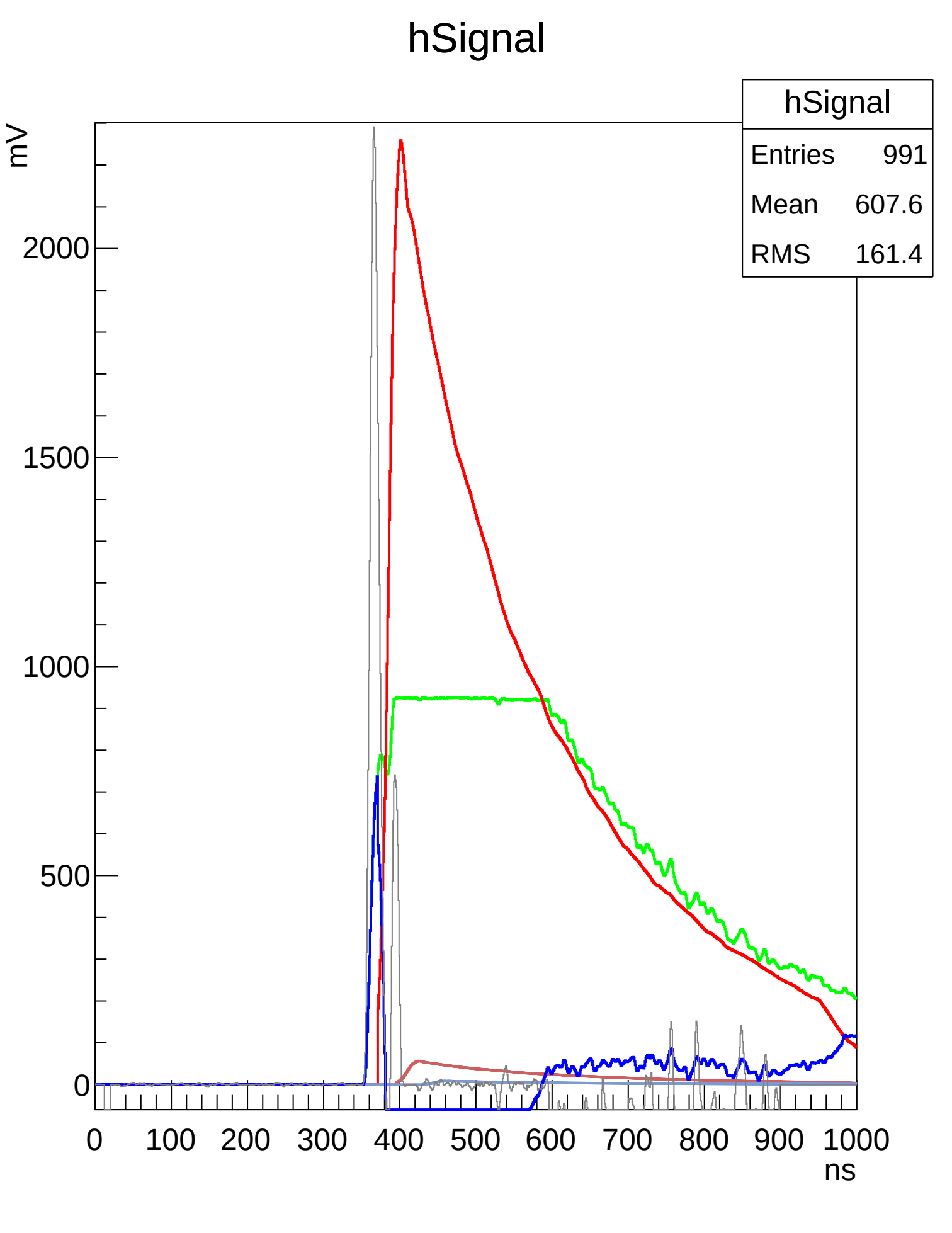

hSignal
hSignal
Entries 991
Mean 586.6
RMS 158.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

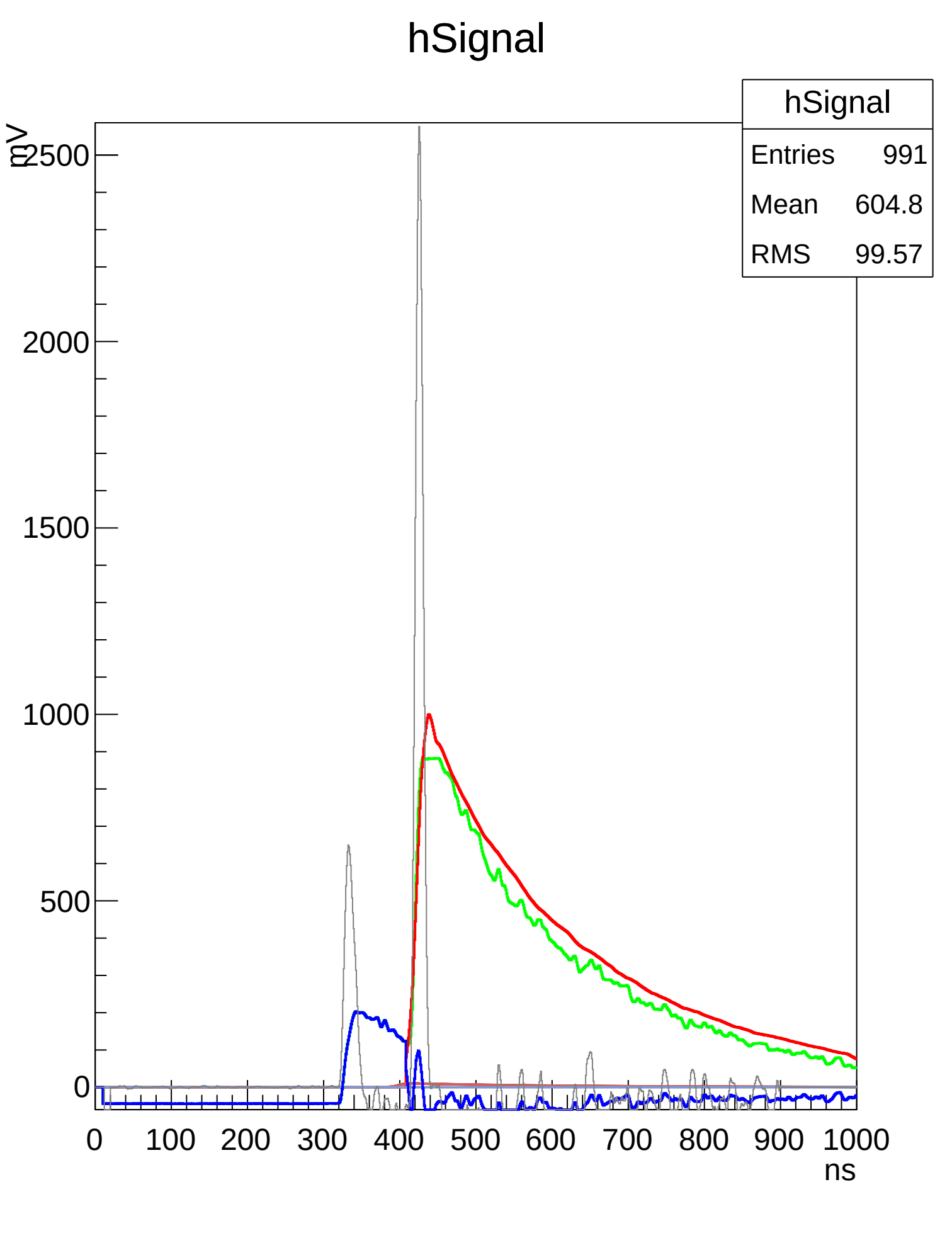

hSignal
hSignal
Entries 991
Mean 588.4
RMS 157.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

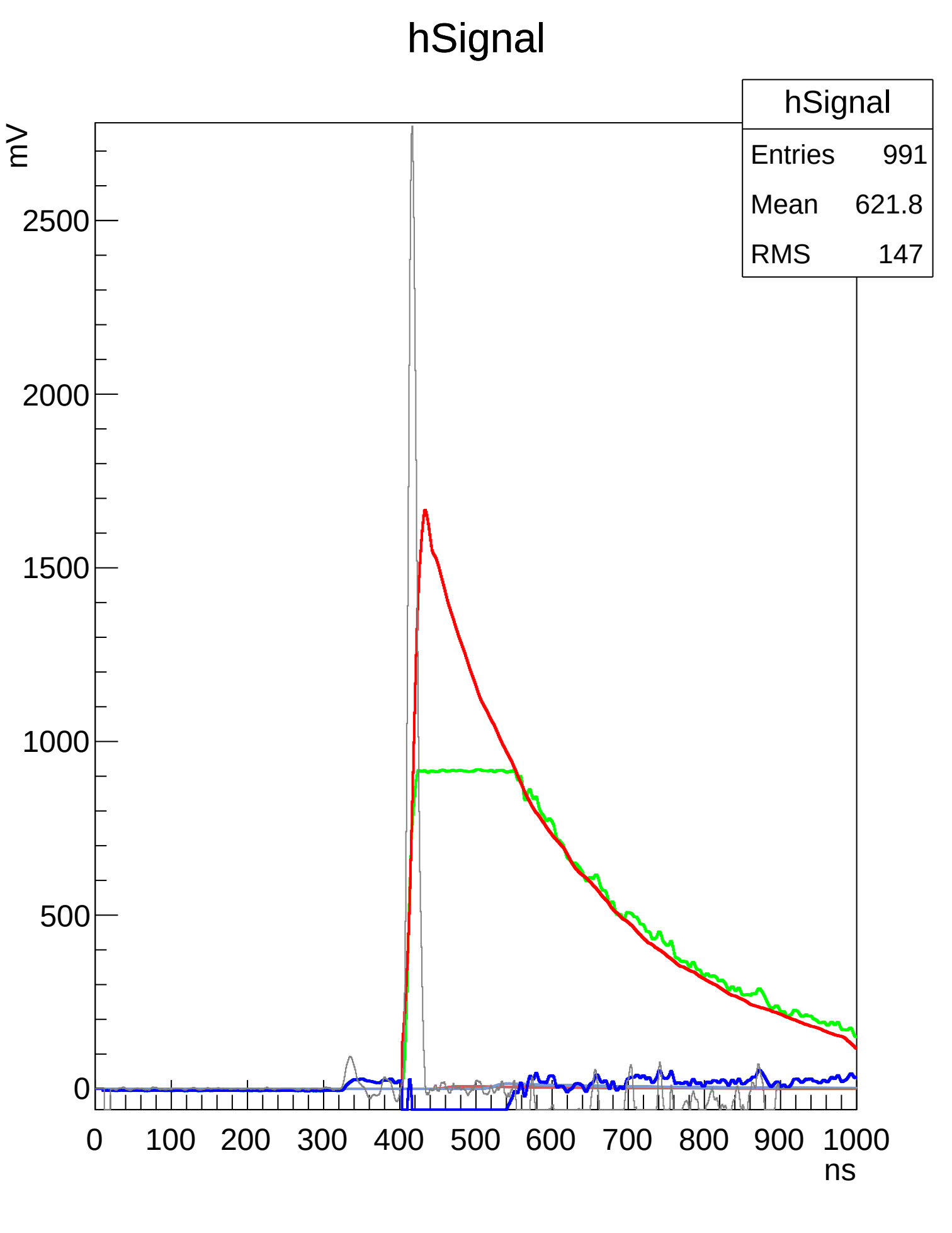

hSignal
hSignal
Entries 991
Mean 559.8
RMS 170.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

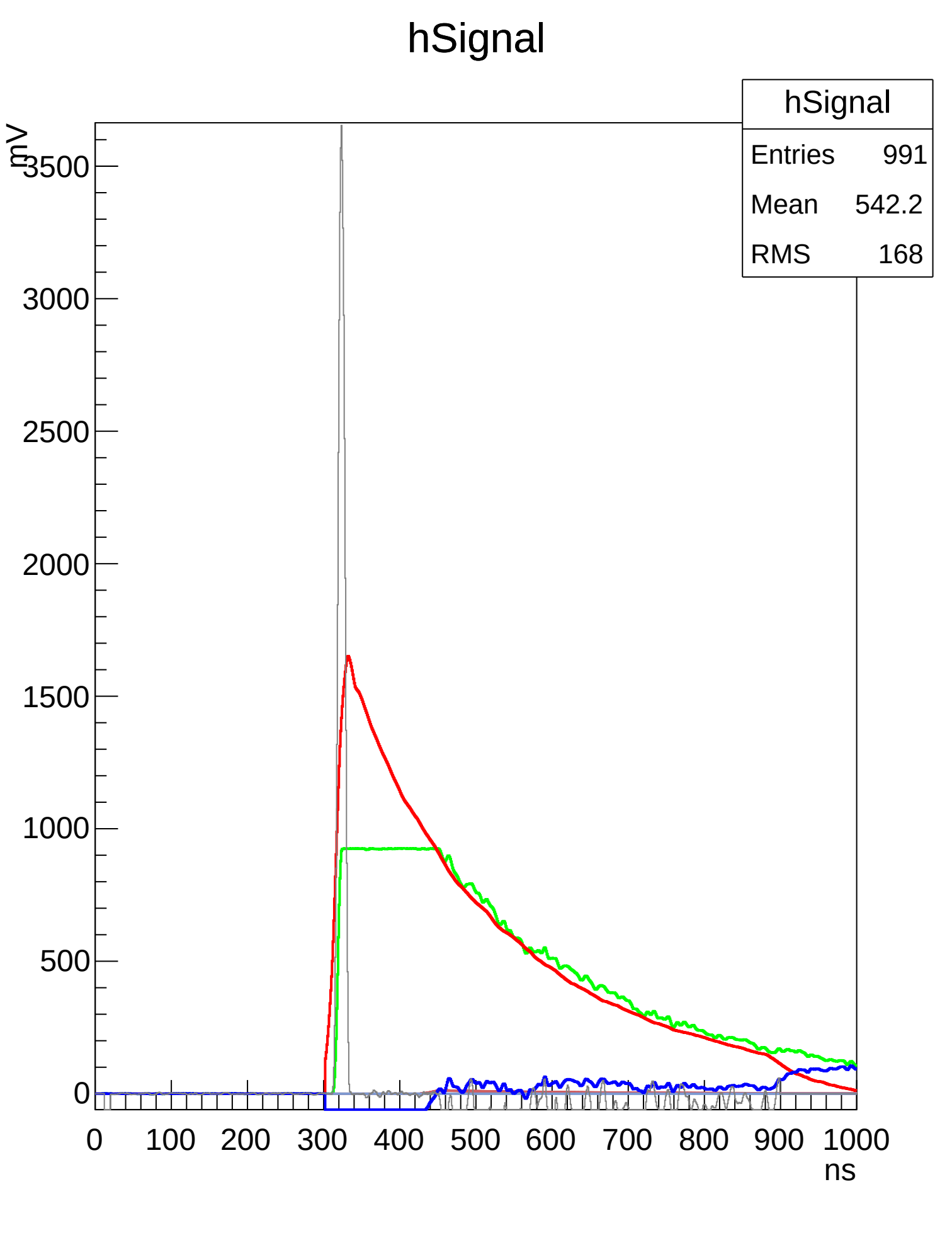

hSignal
hSignal
Entries 991
Mean 593
RMS 92.97
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

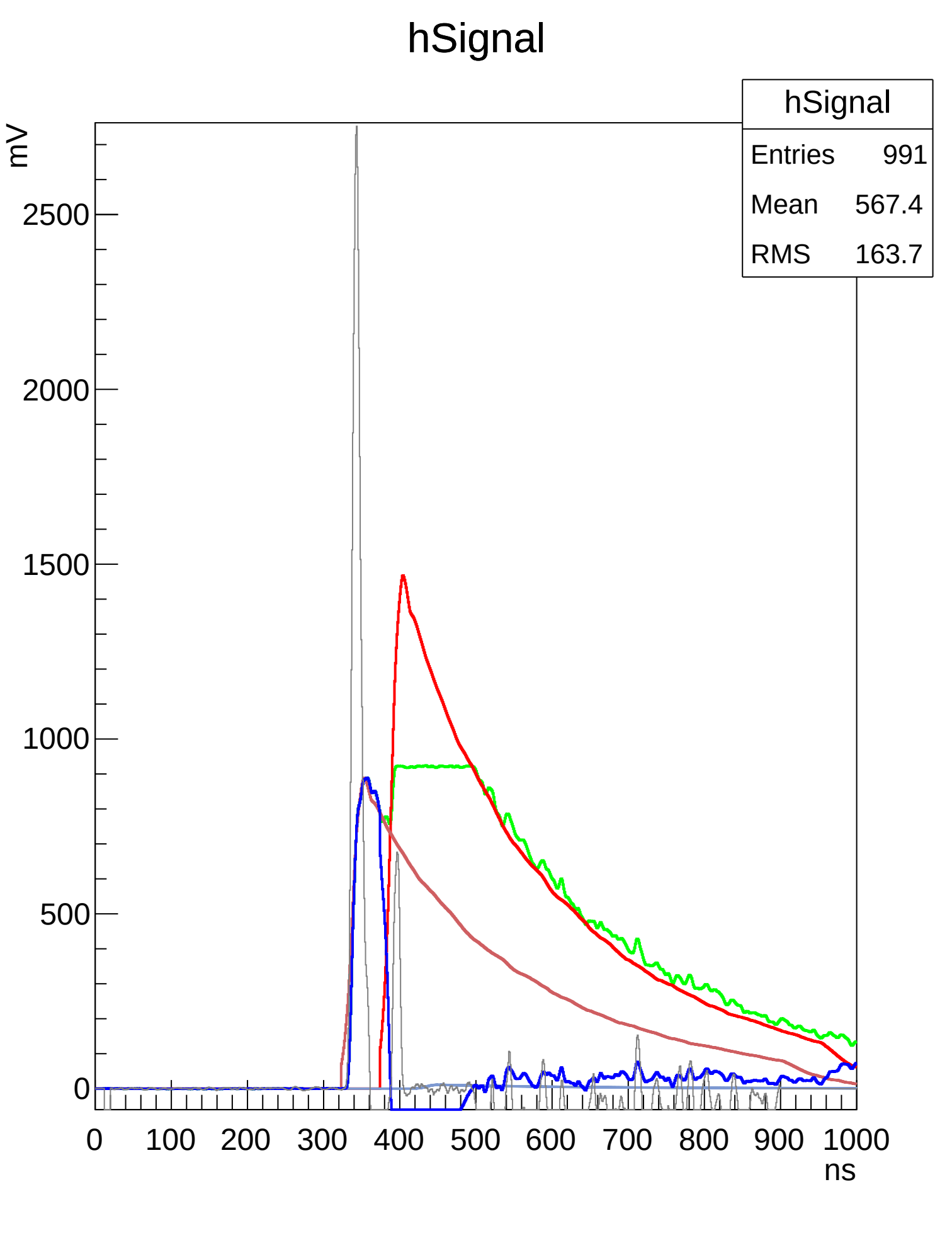

hSignal
hSignal
Entries 991
Mean 557.5
RMS 164.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

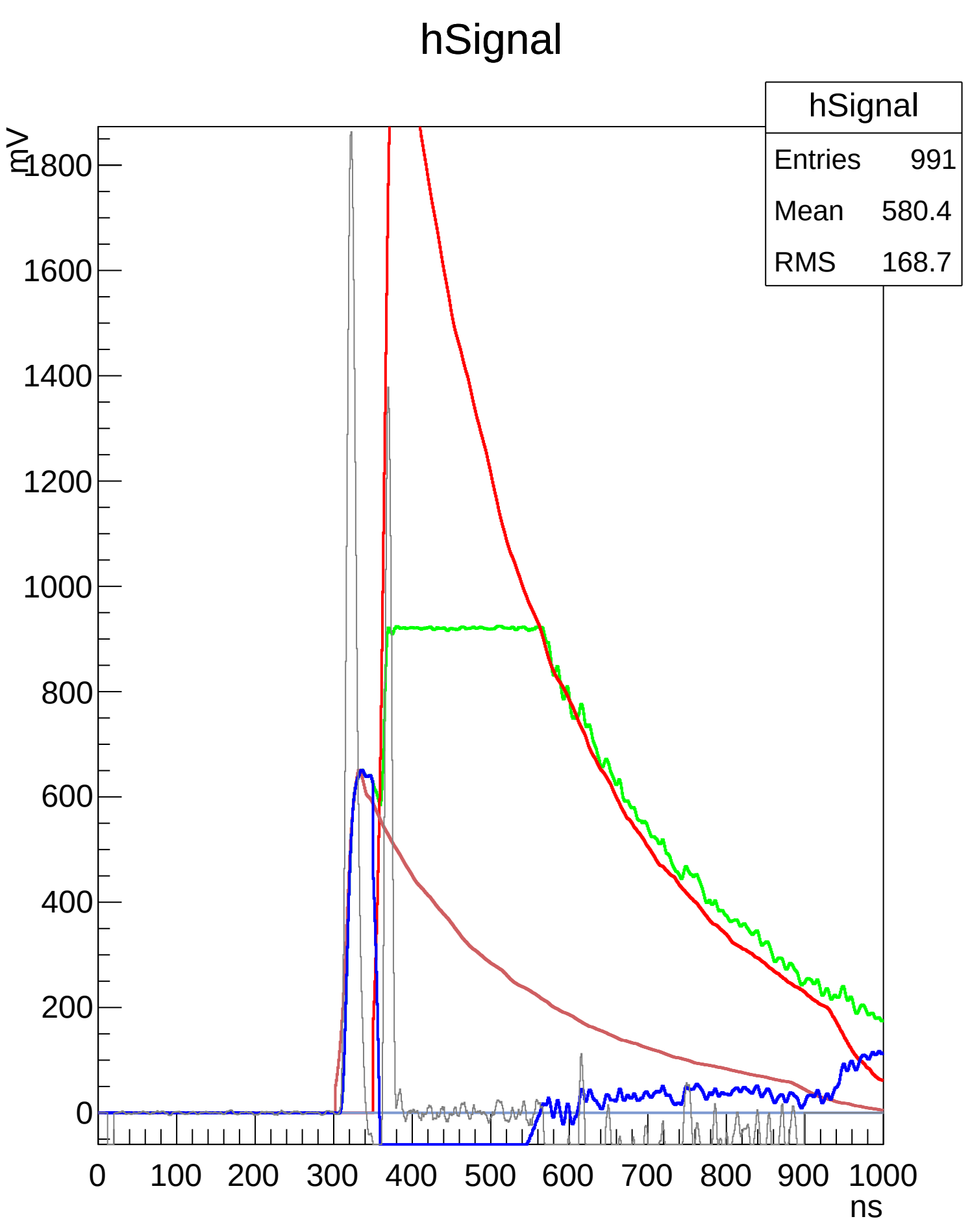

hSignal
hSignal
Entries 991
Mean 607.6
RMS 161.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

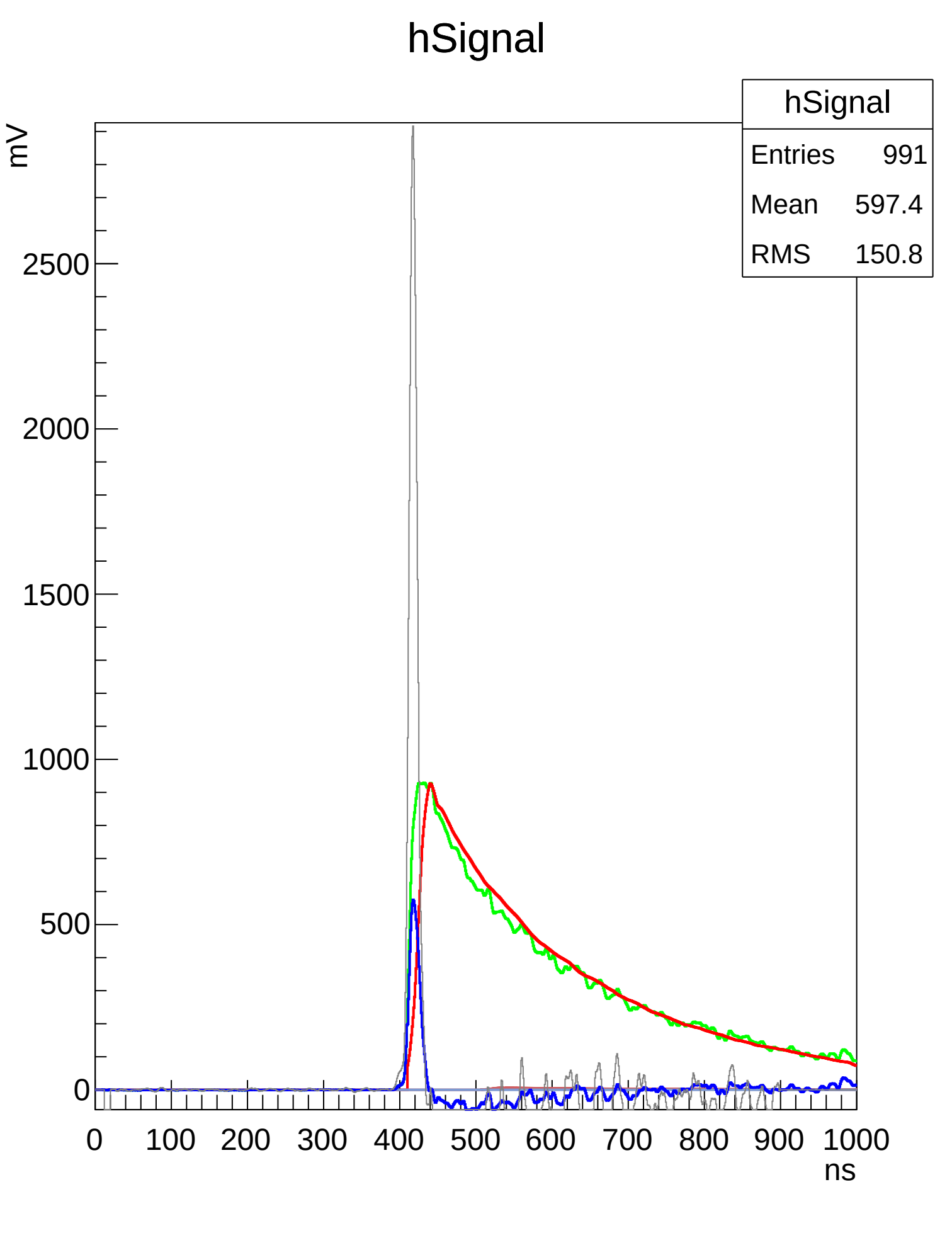

hSignal
hSignal
Entries 991
Mean 604.8
RMS 99.57
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

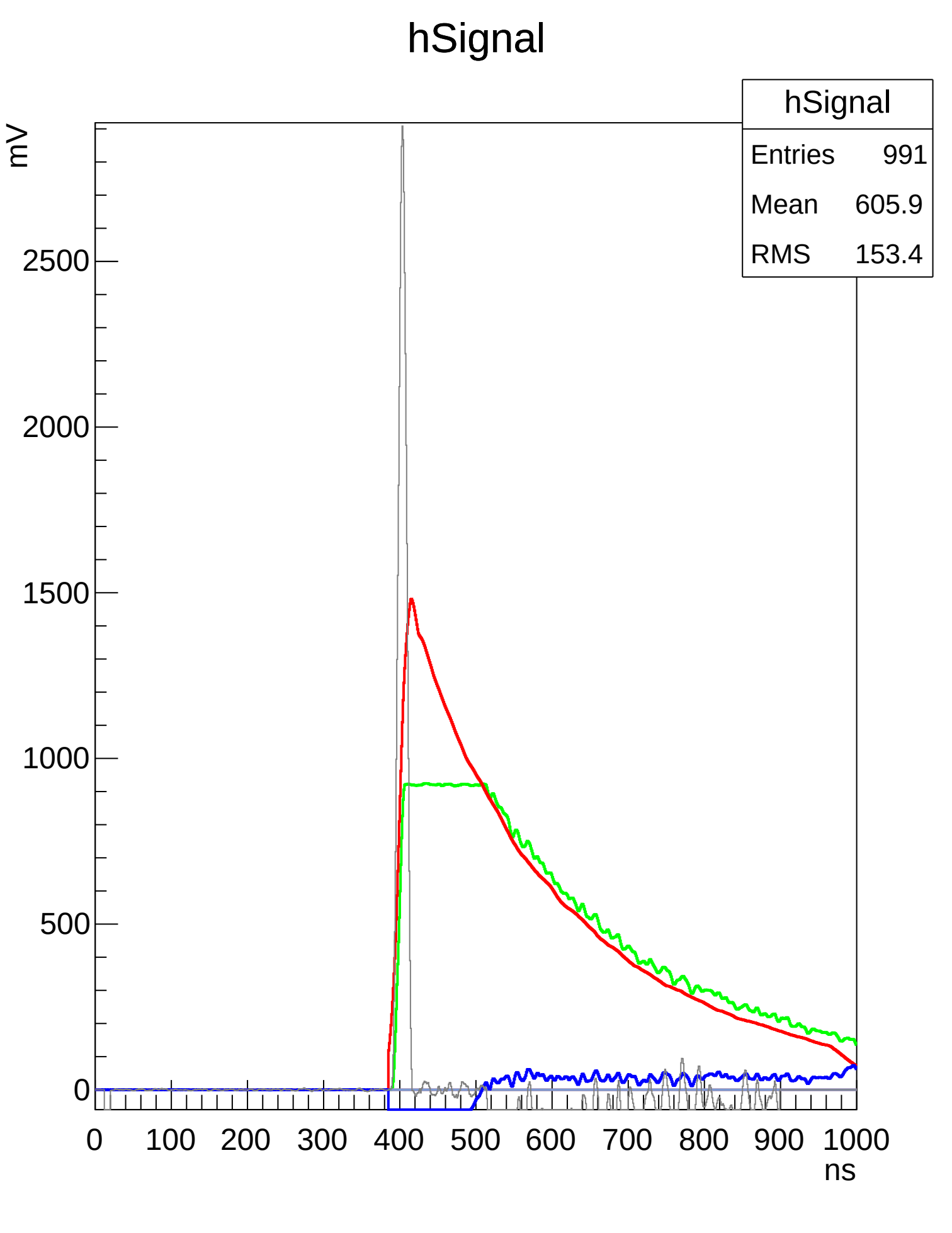

hSignal
hSignal
Entries 991
Mean 621.8
RMS 147
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

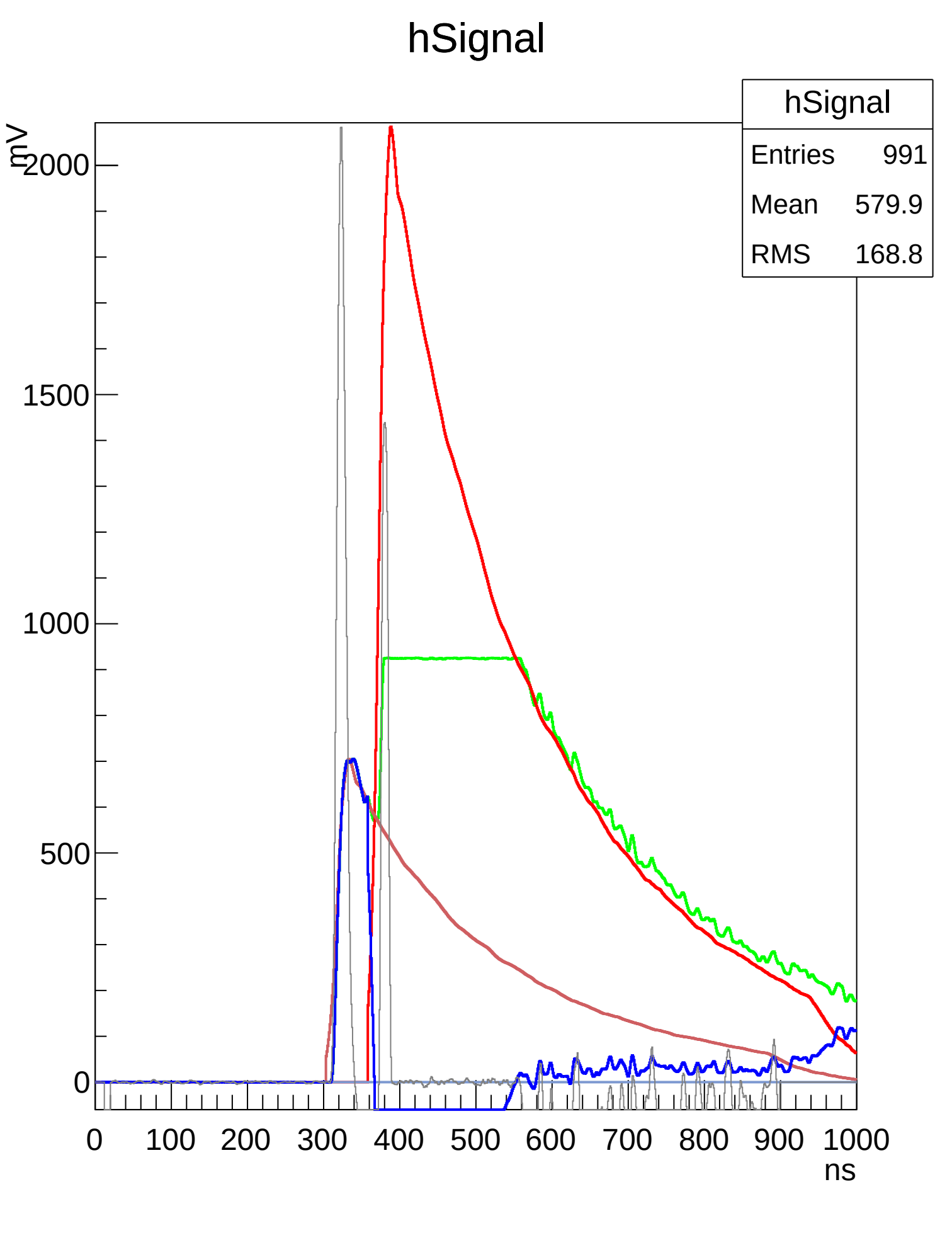

hSignal
hSignal
Entries 991
Mean 542.2
RMS 168
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

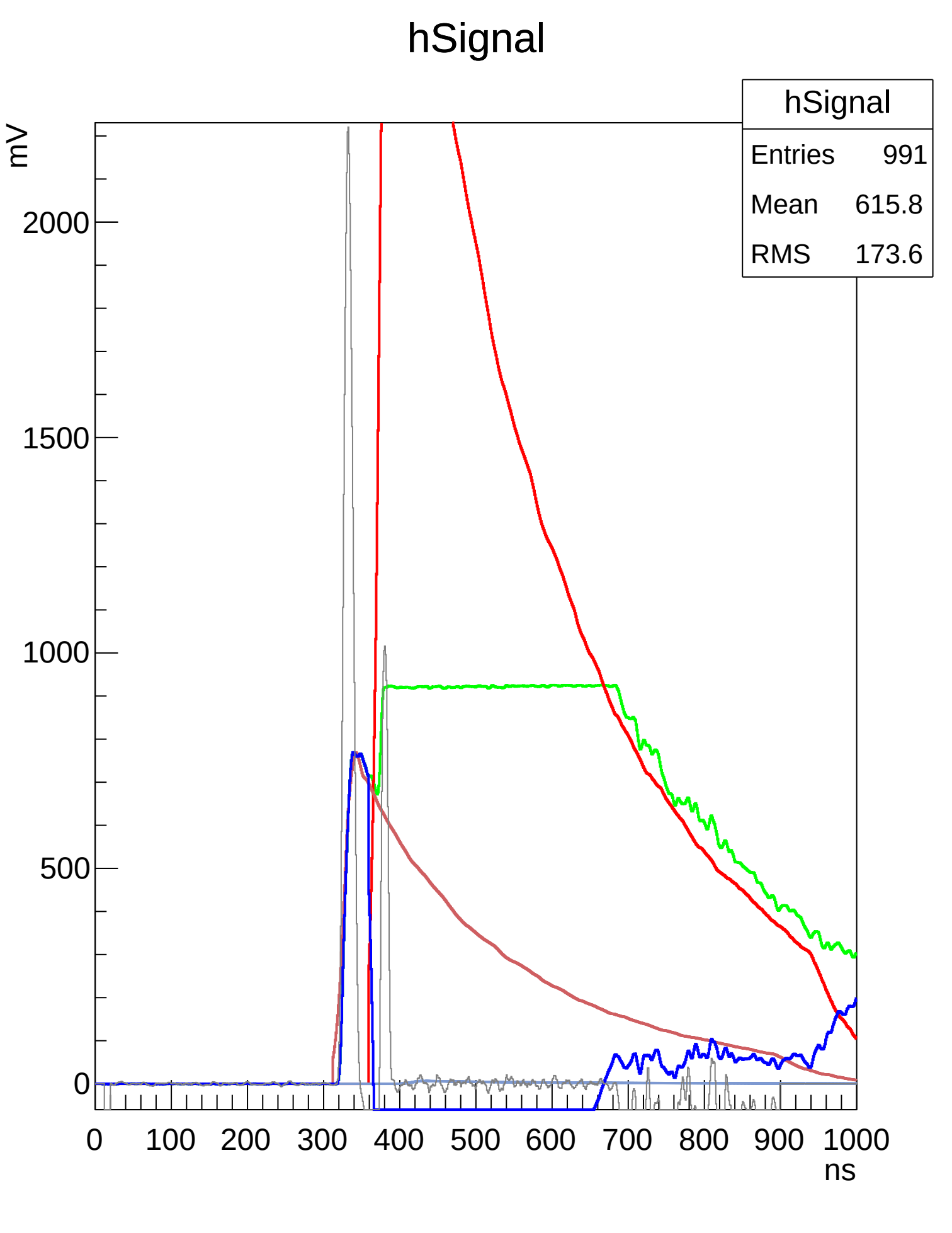

hSignal
hSignal
Entries 991
Mean 567.4
RMS 163.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

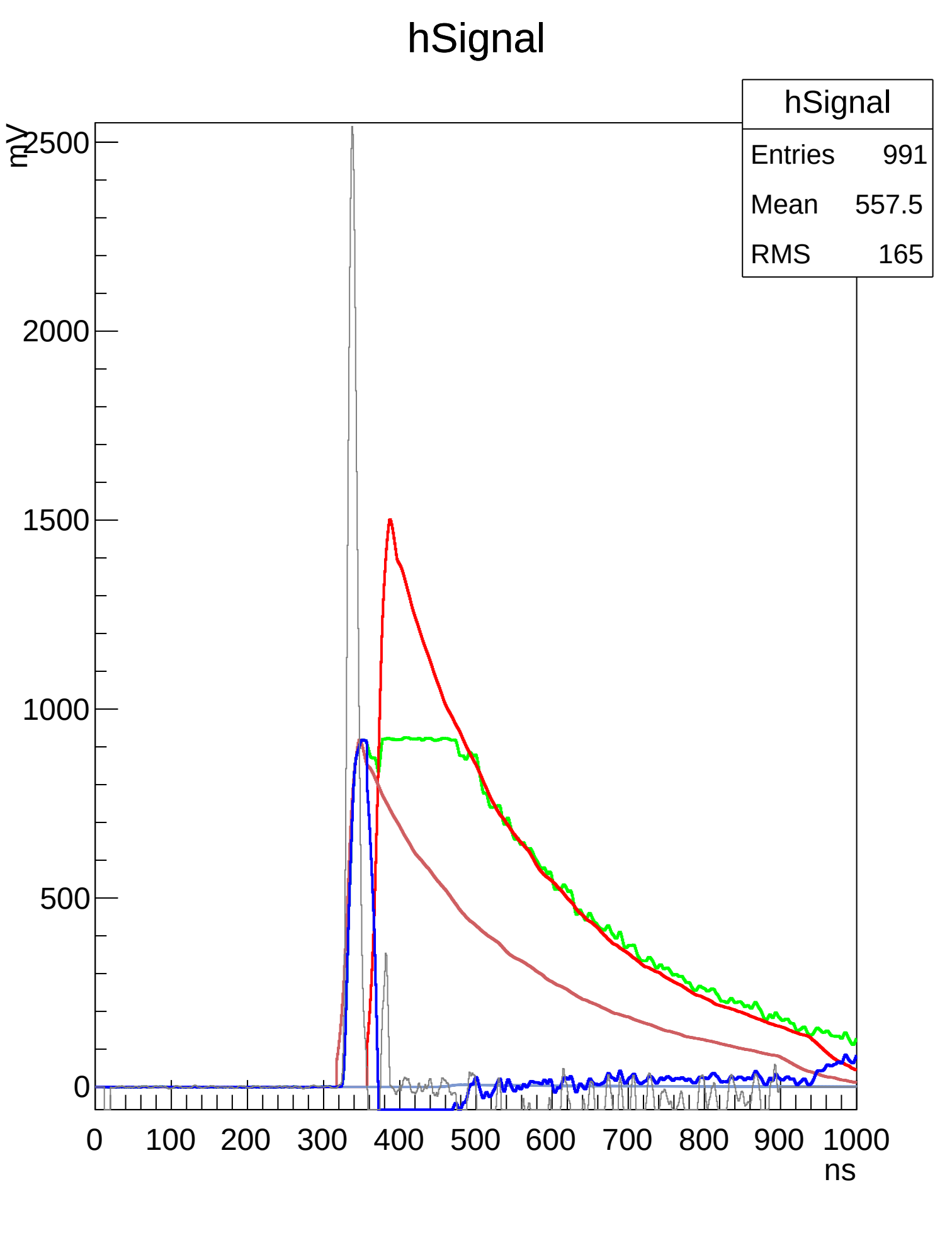

hSignal
hSignal
Entries 991
Mean 580.4
RMS 168.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

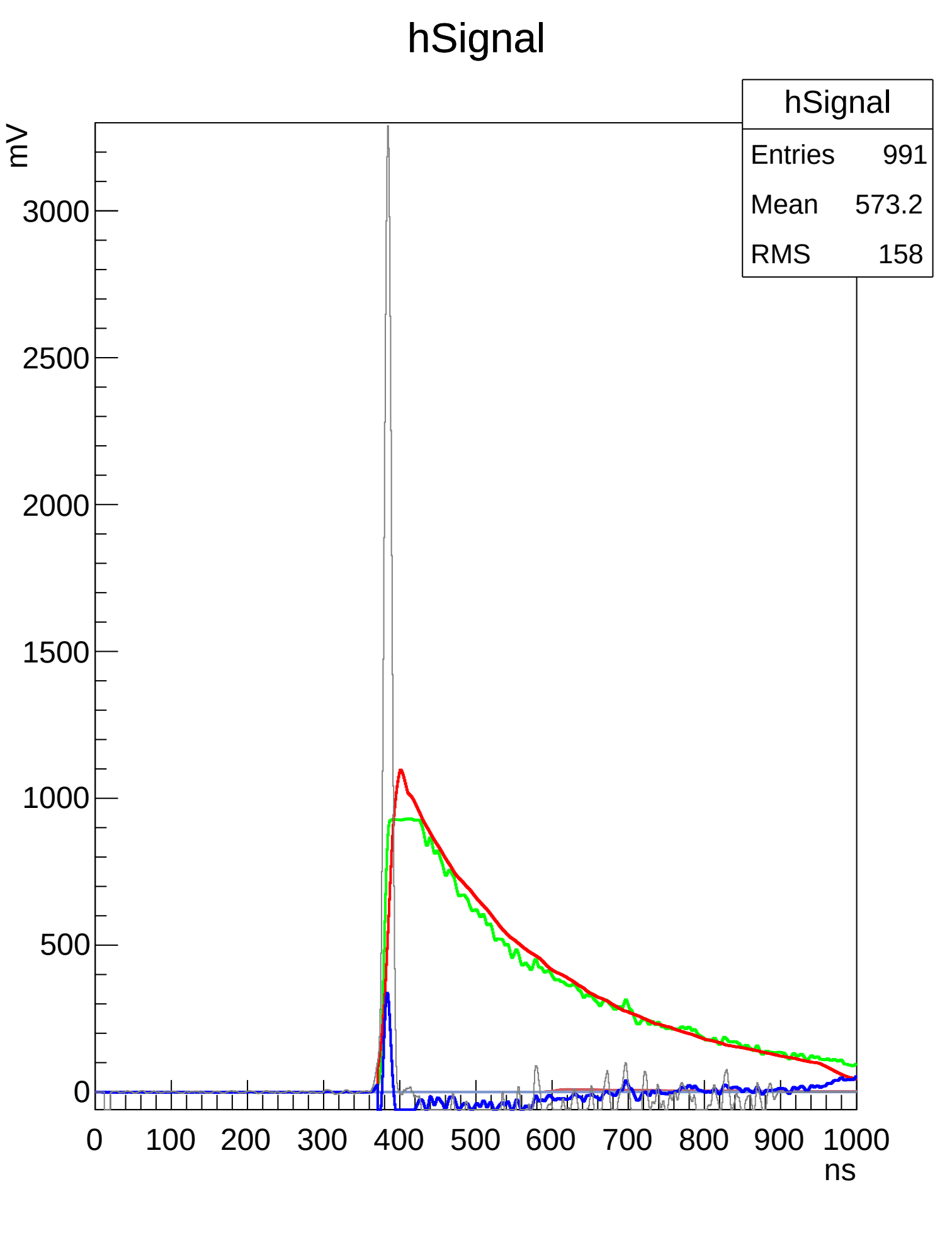

hSignal
hSignal
Entries 991
Mean 597.4
RMS 150.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

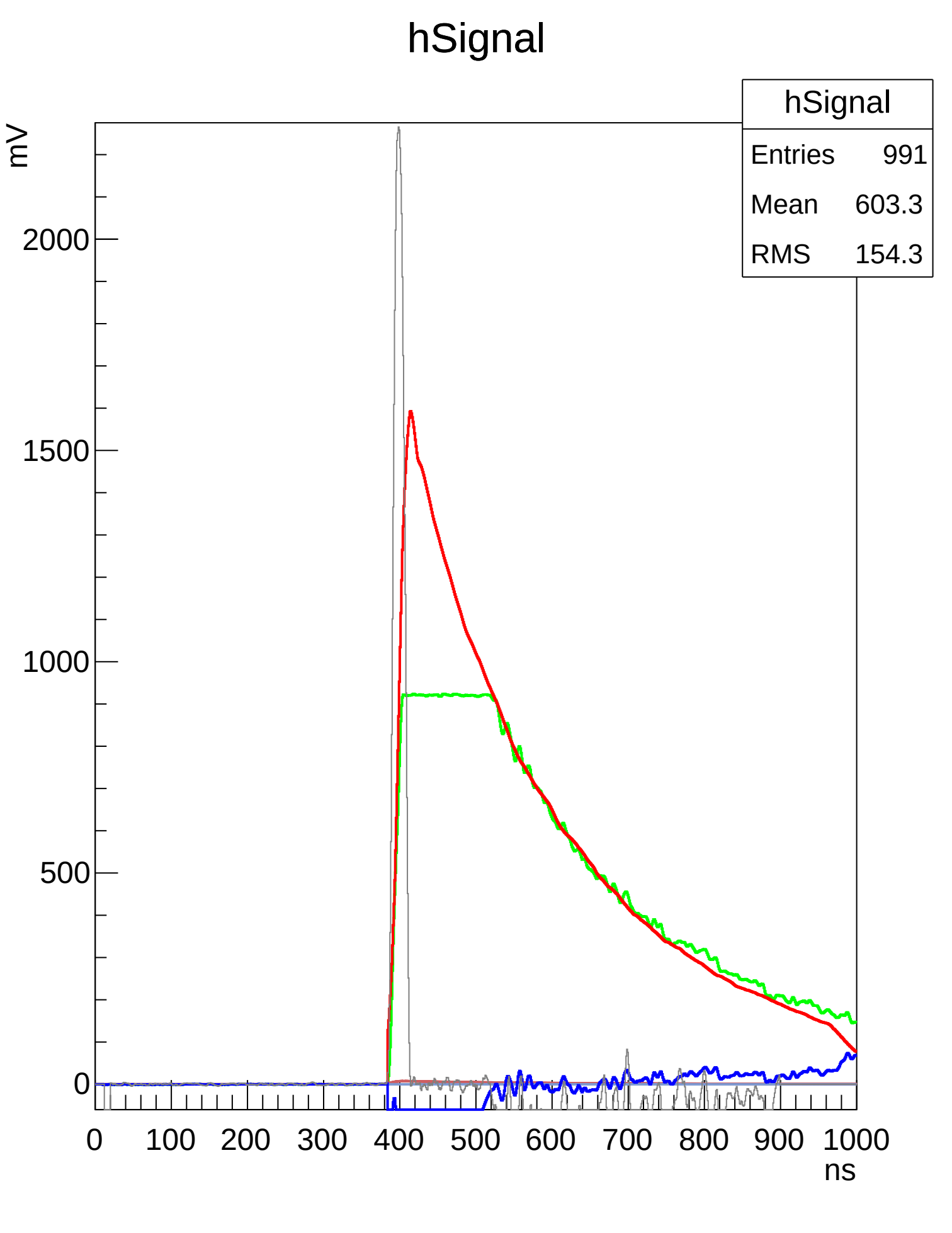

hSignal
hSignal
Entries 991
Mean 605.9
RMS 153.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

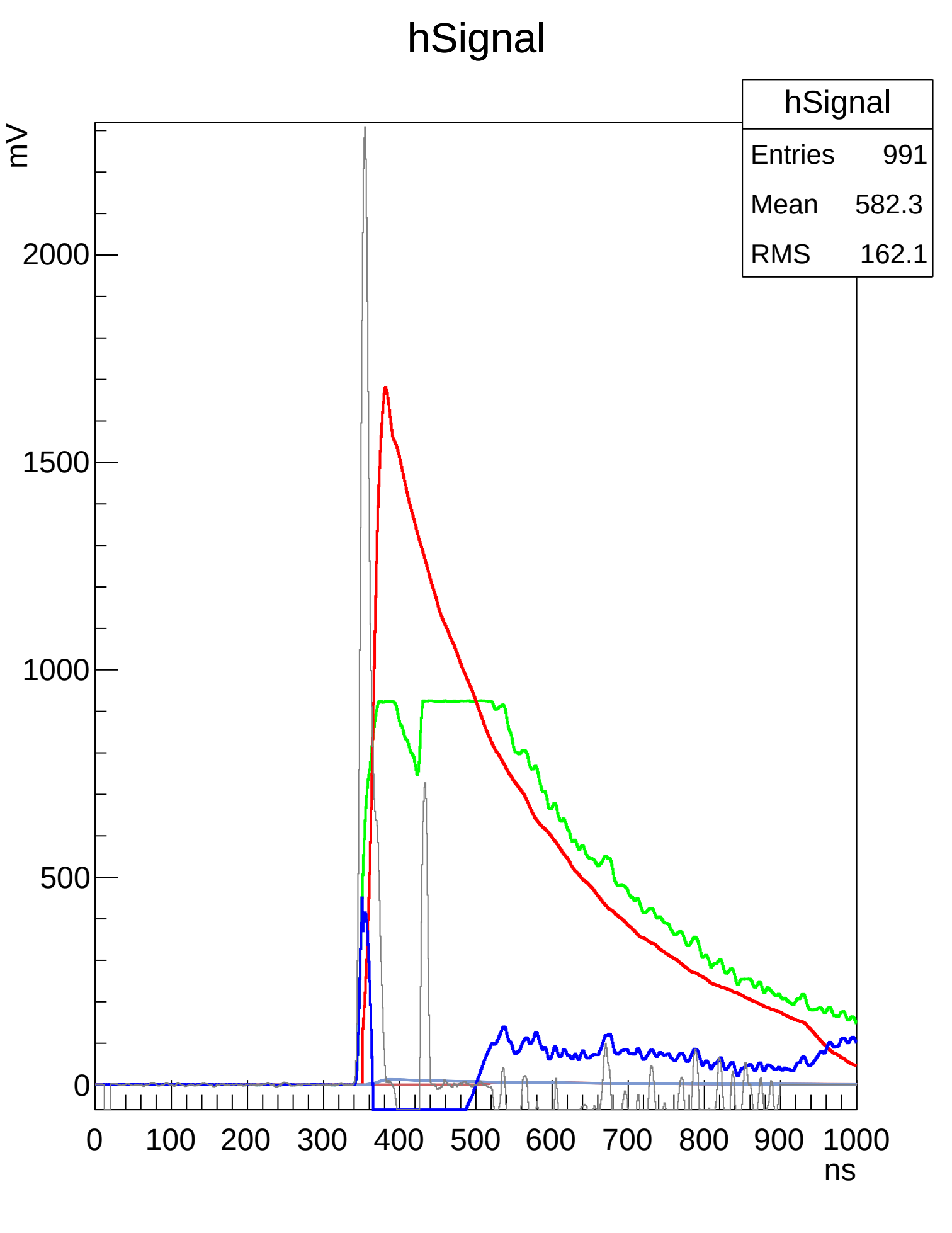

hSignal
hSignal
Entries 991
Mean 579.9
RMS 168.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

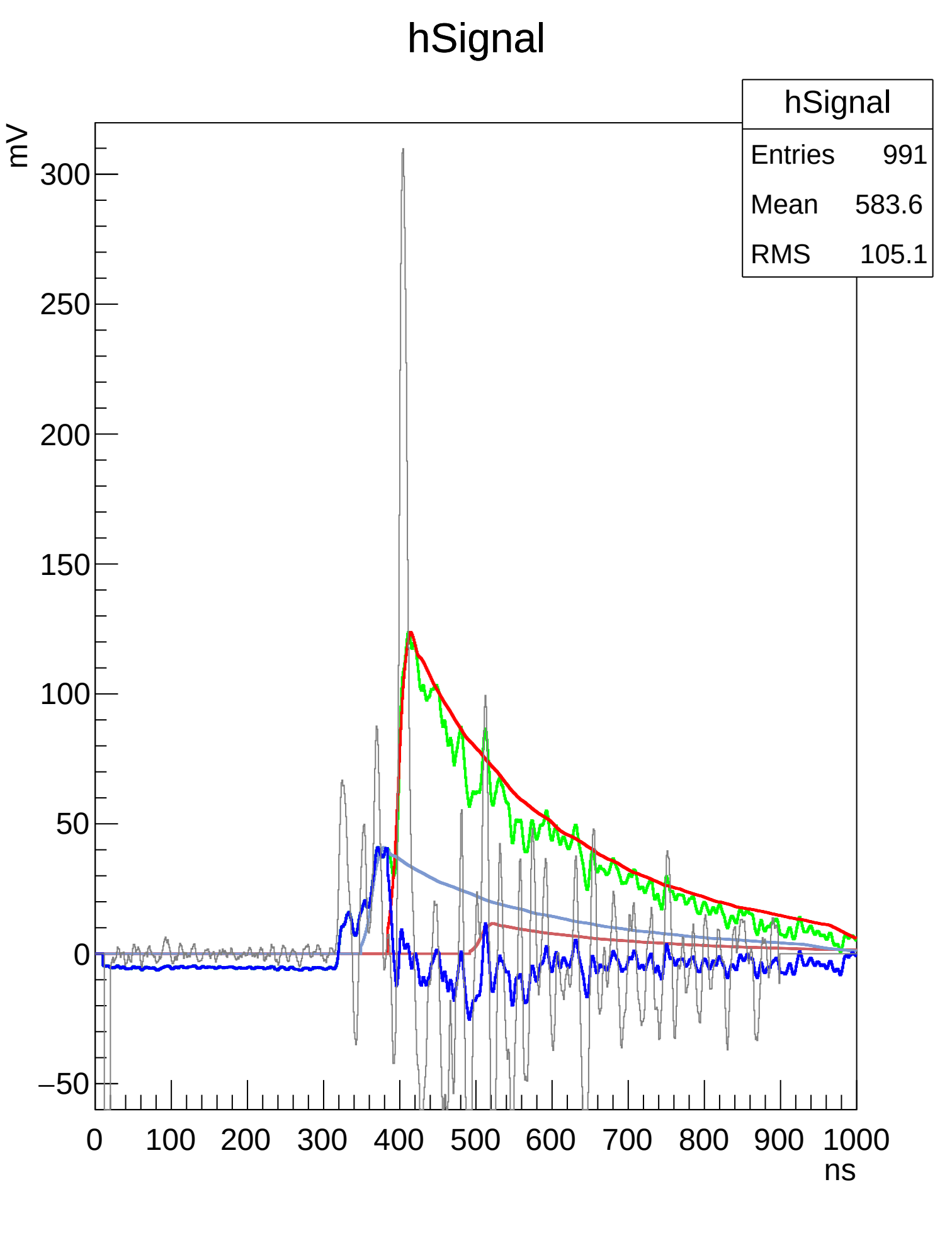

hSignal
hSignal
Entries 991
Mean 615.8
RMS 173.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

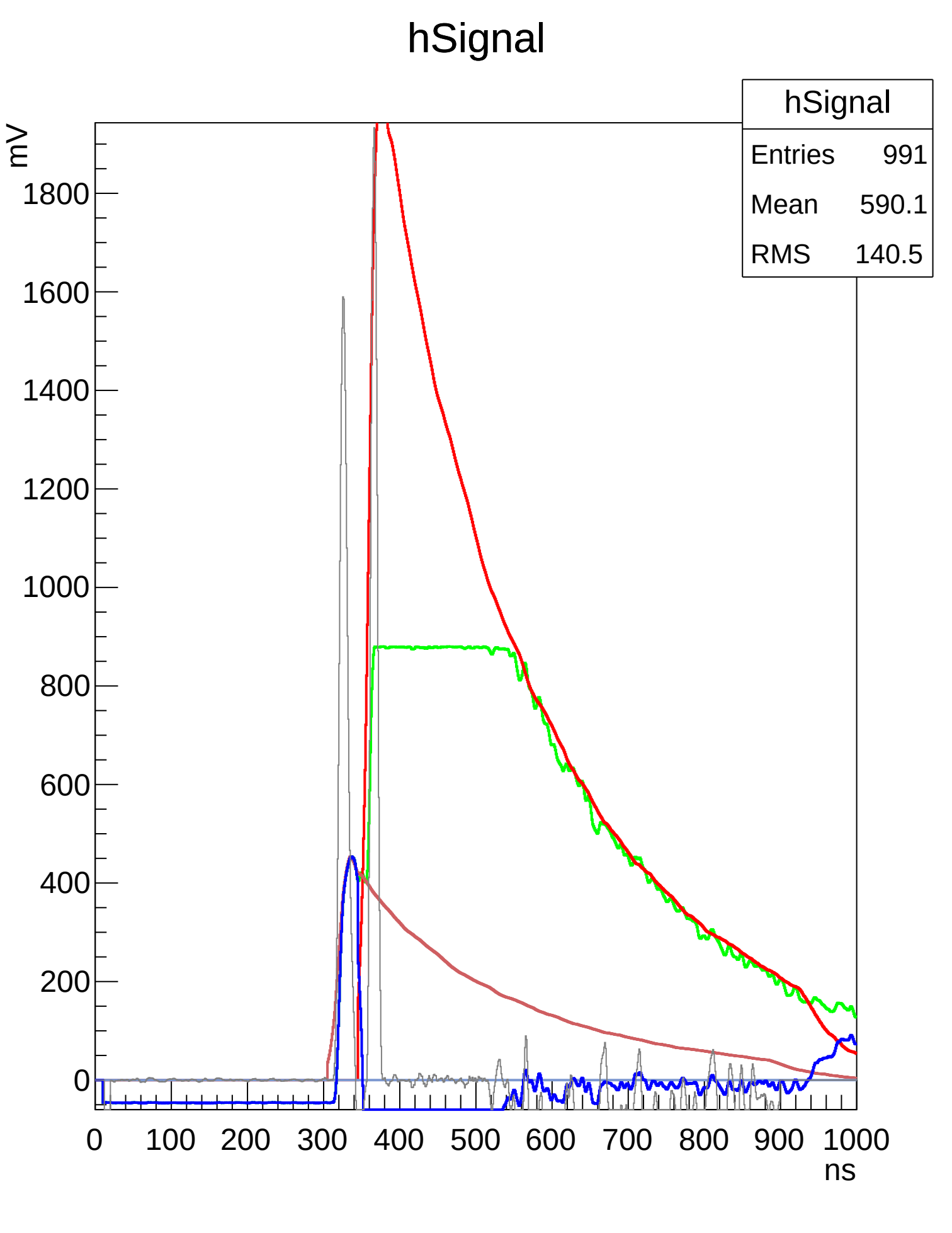

hSignal
hSignal
Entries 991
Mean 557.5
RMS 165
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

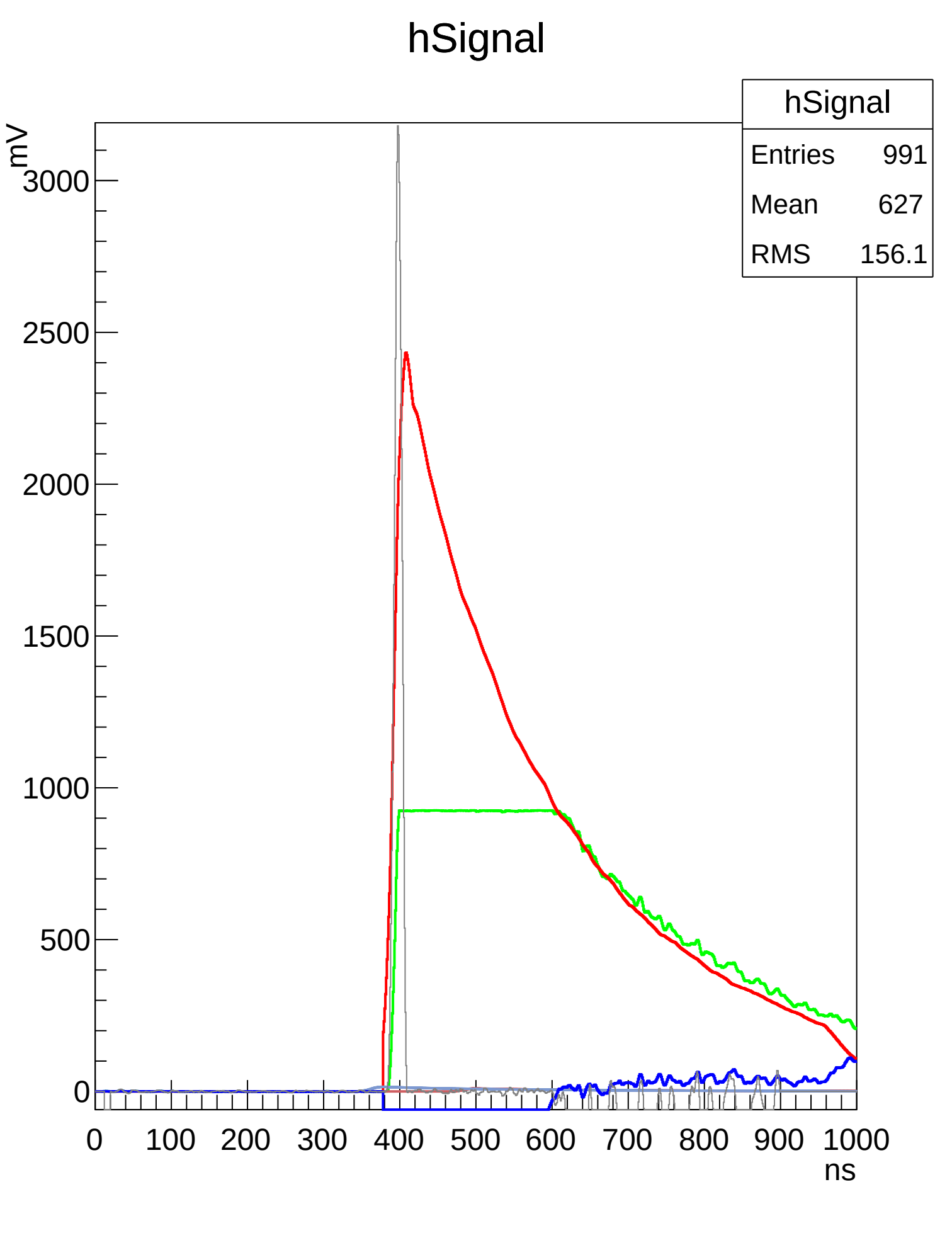

hSignal
hSignal
Entries 991
Mean 573.2
RMS 158
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

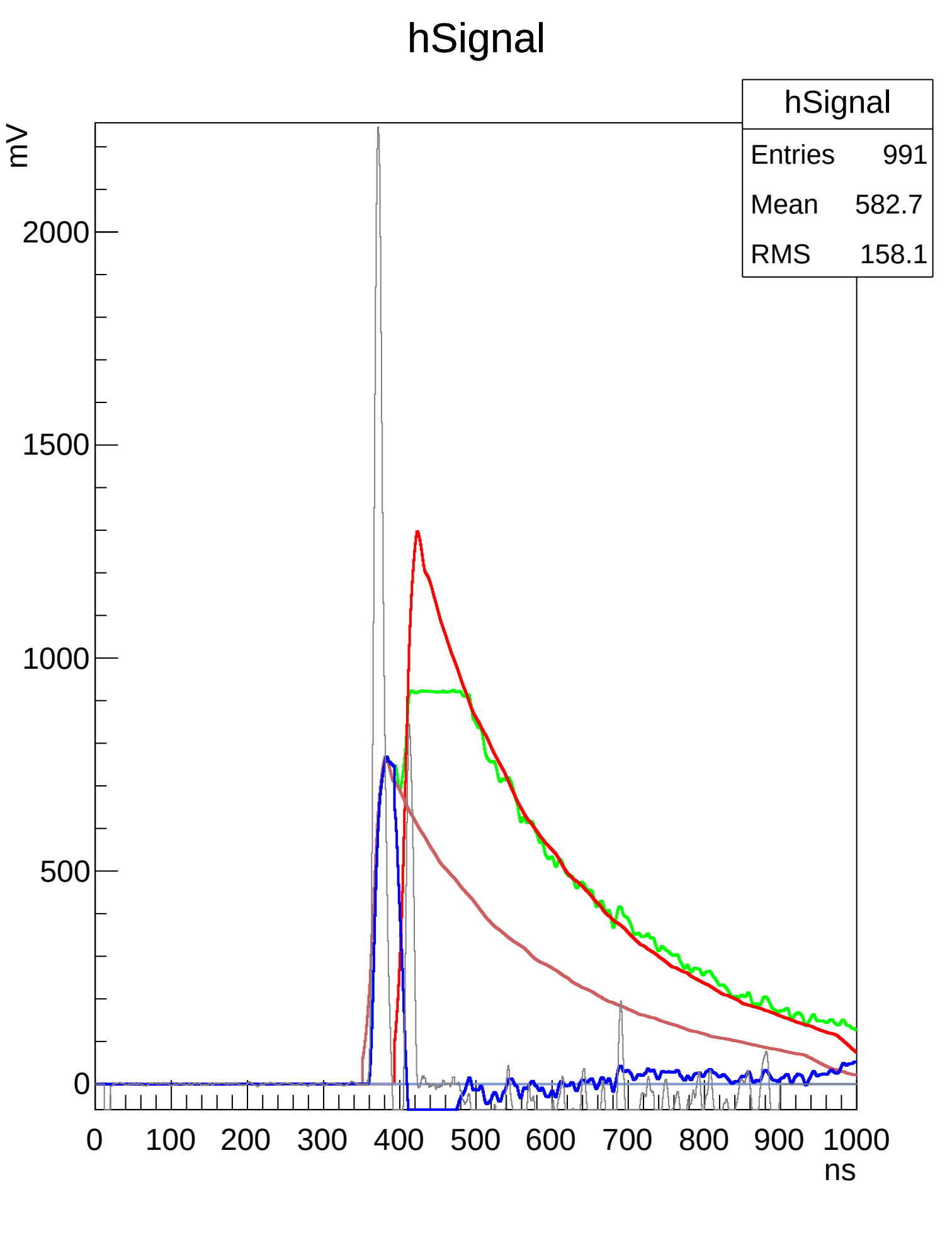

hSignal
hSignal
Entries 991
Mean 603.3
RMS 154.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

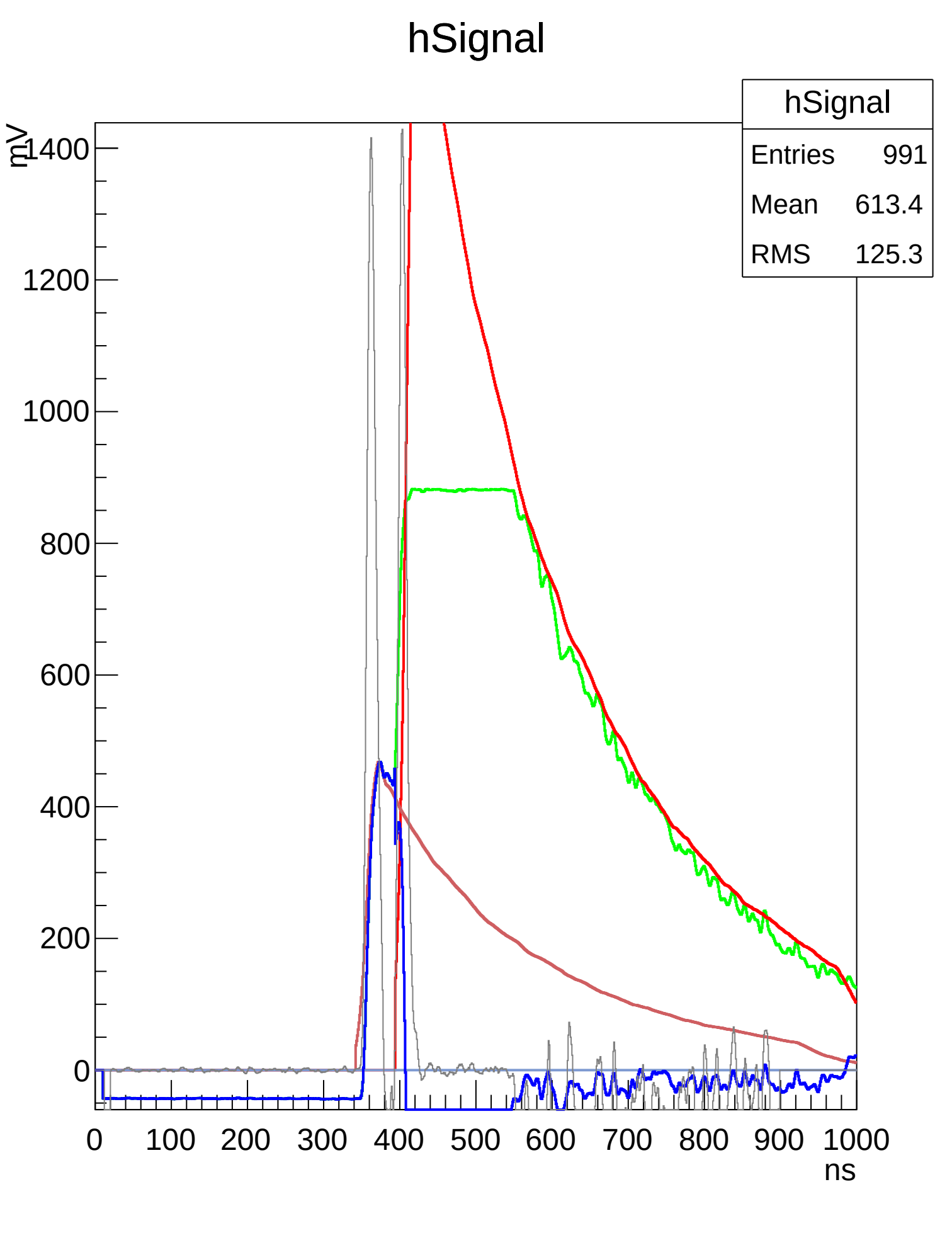

hSignal
hSignal
Entries 991
Mean 582.3
RMS 162.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

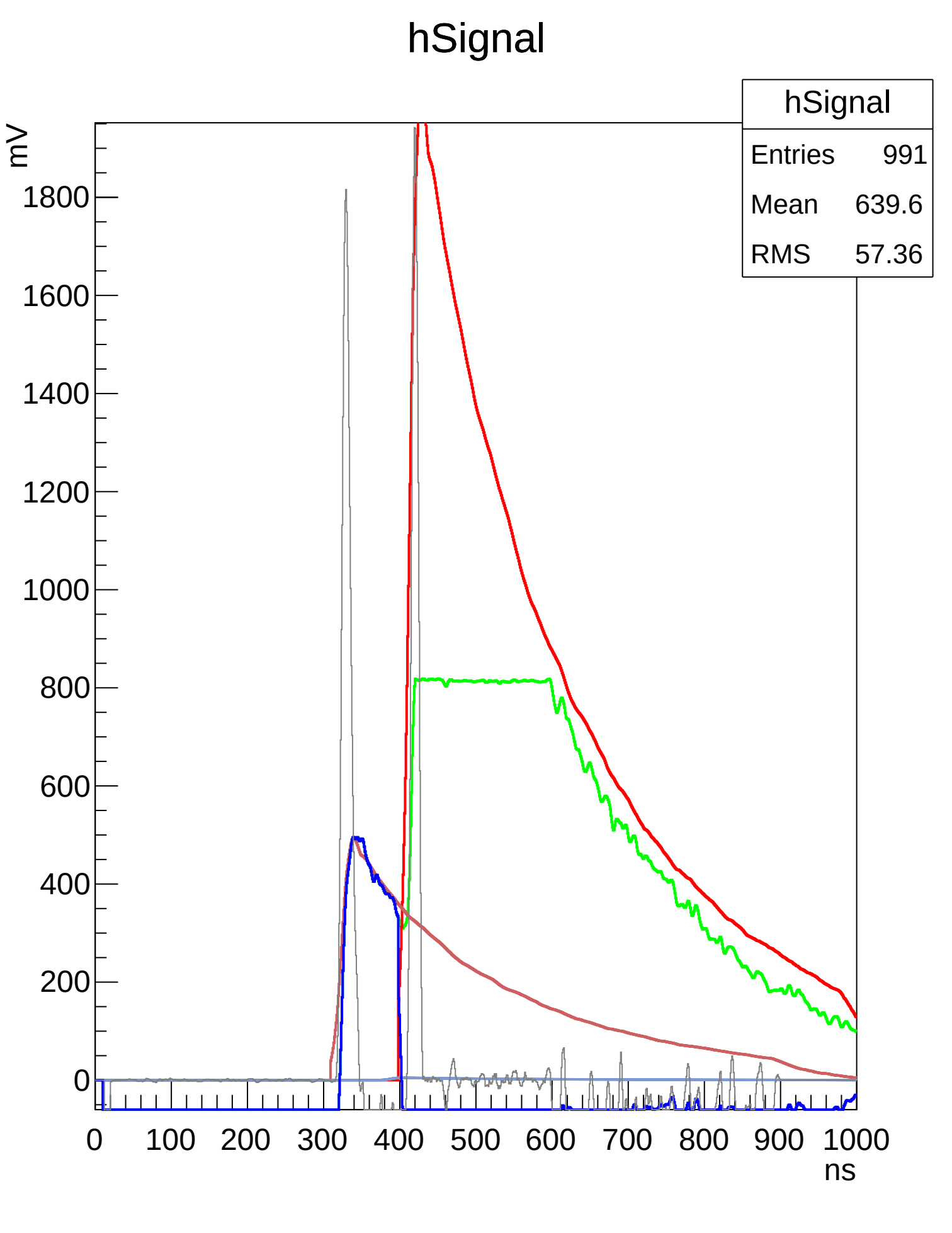

hSignal
hSignal
Entries 991
Mean 583.6
RMS 105.1
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

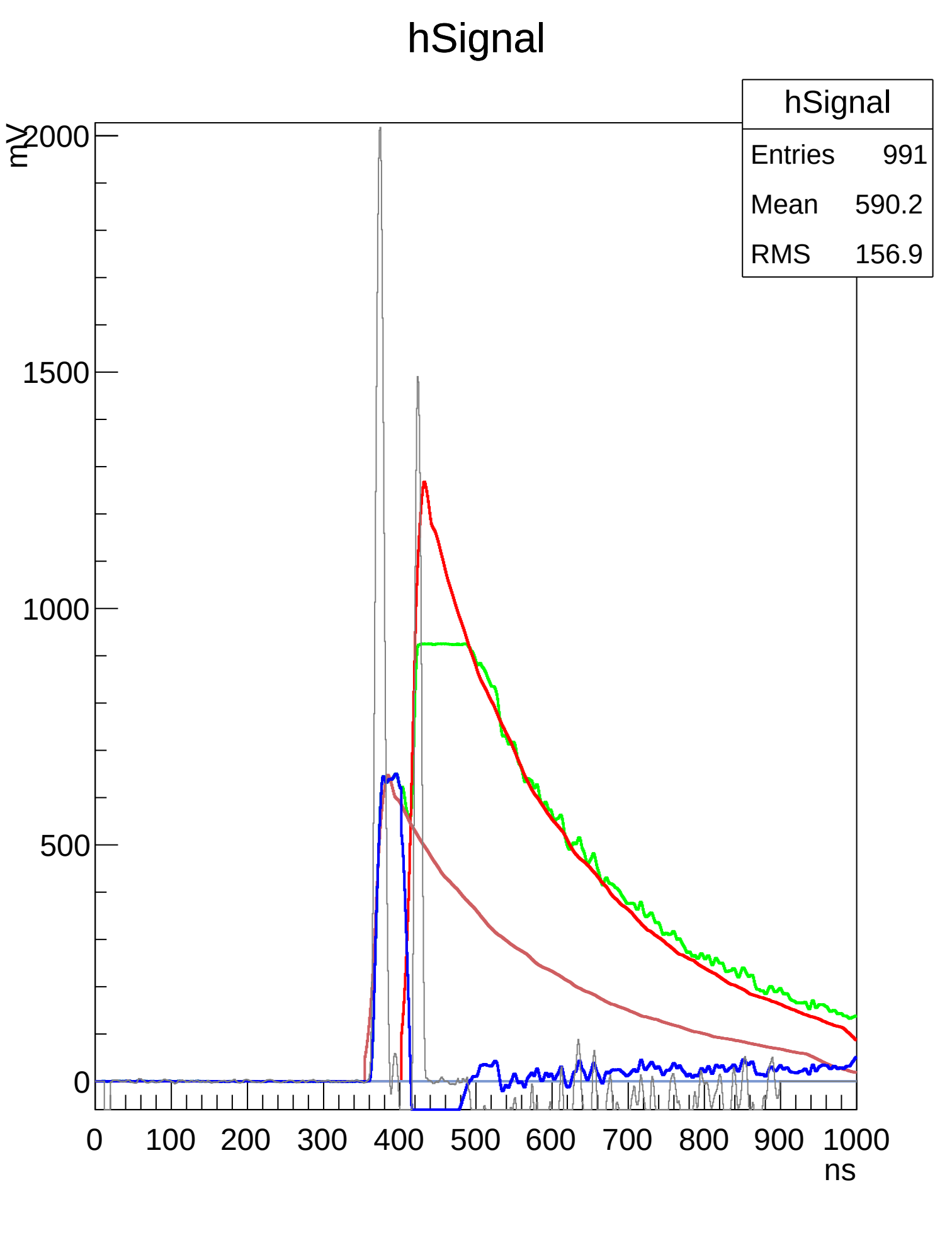

hSignal
hSignal
Entries 991
Mean 590.1
RMS 140.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

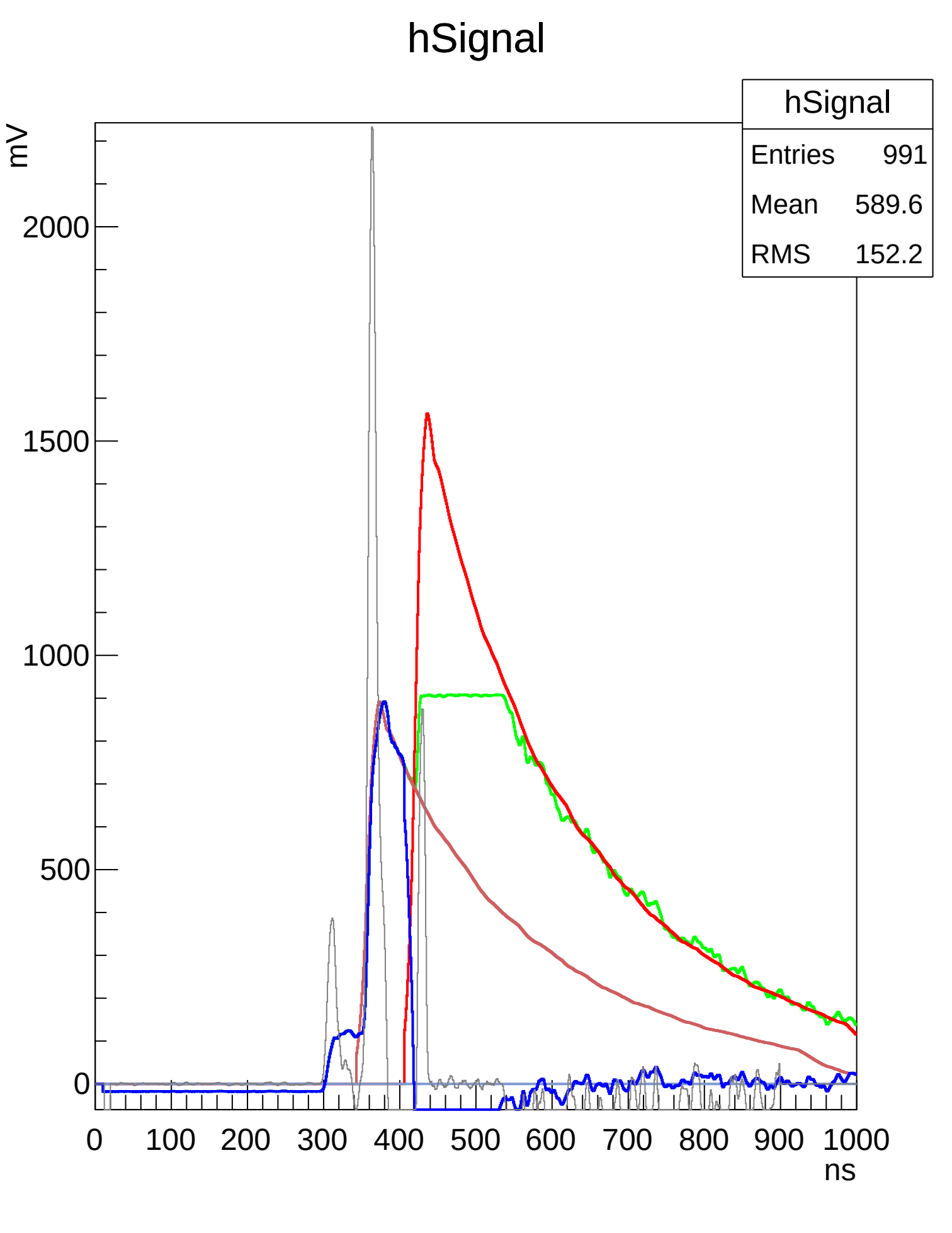

hSignal
hSignal
Entries 991
Mean 627
RMS 156.1
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

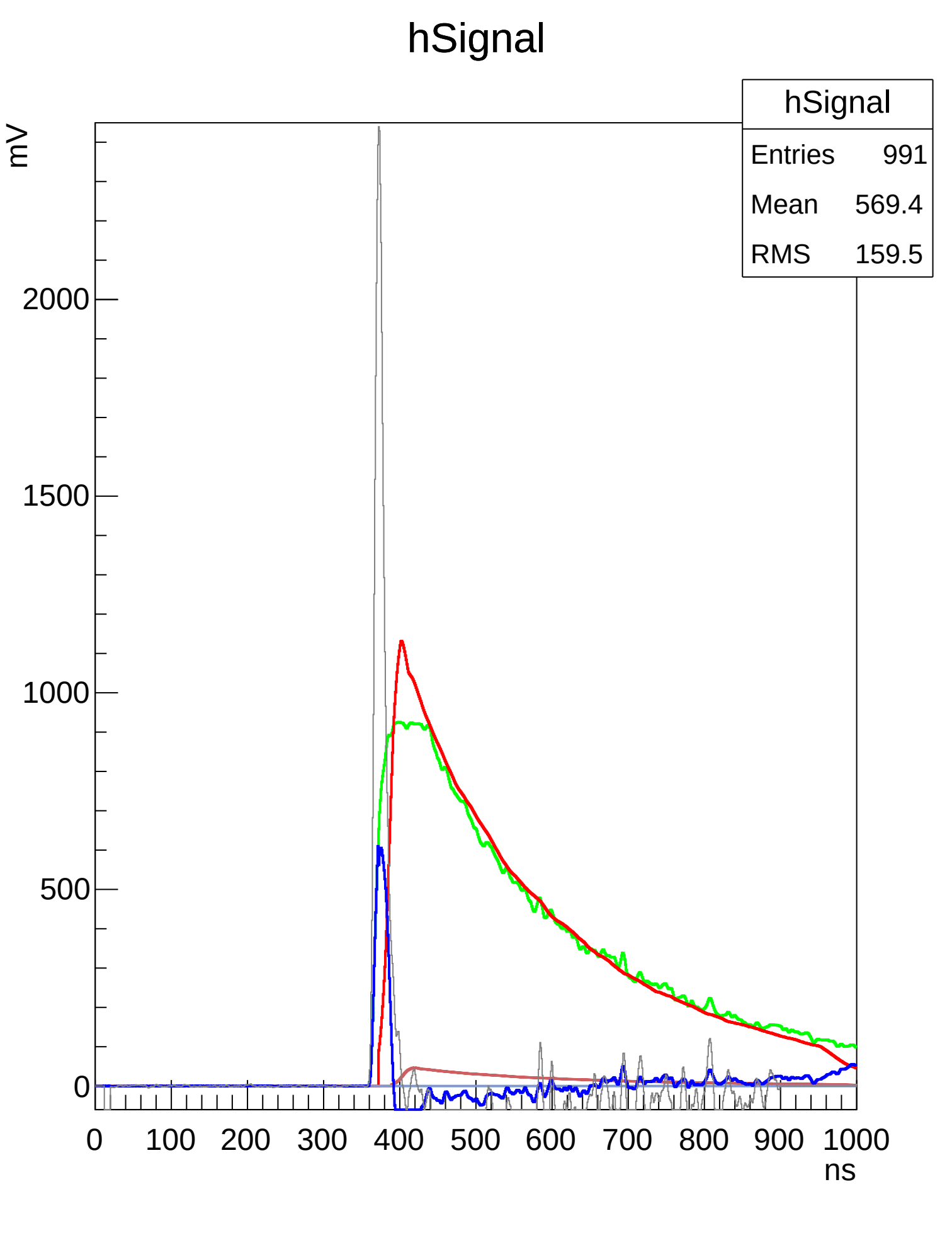

hSignal
hSignal
Entries 991
Mean 582.7
RMS 158.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

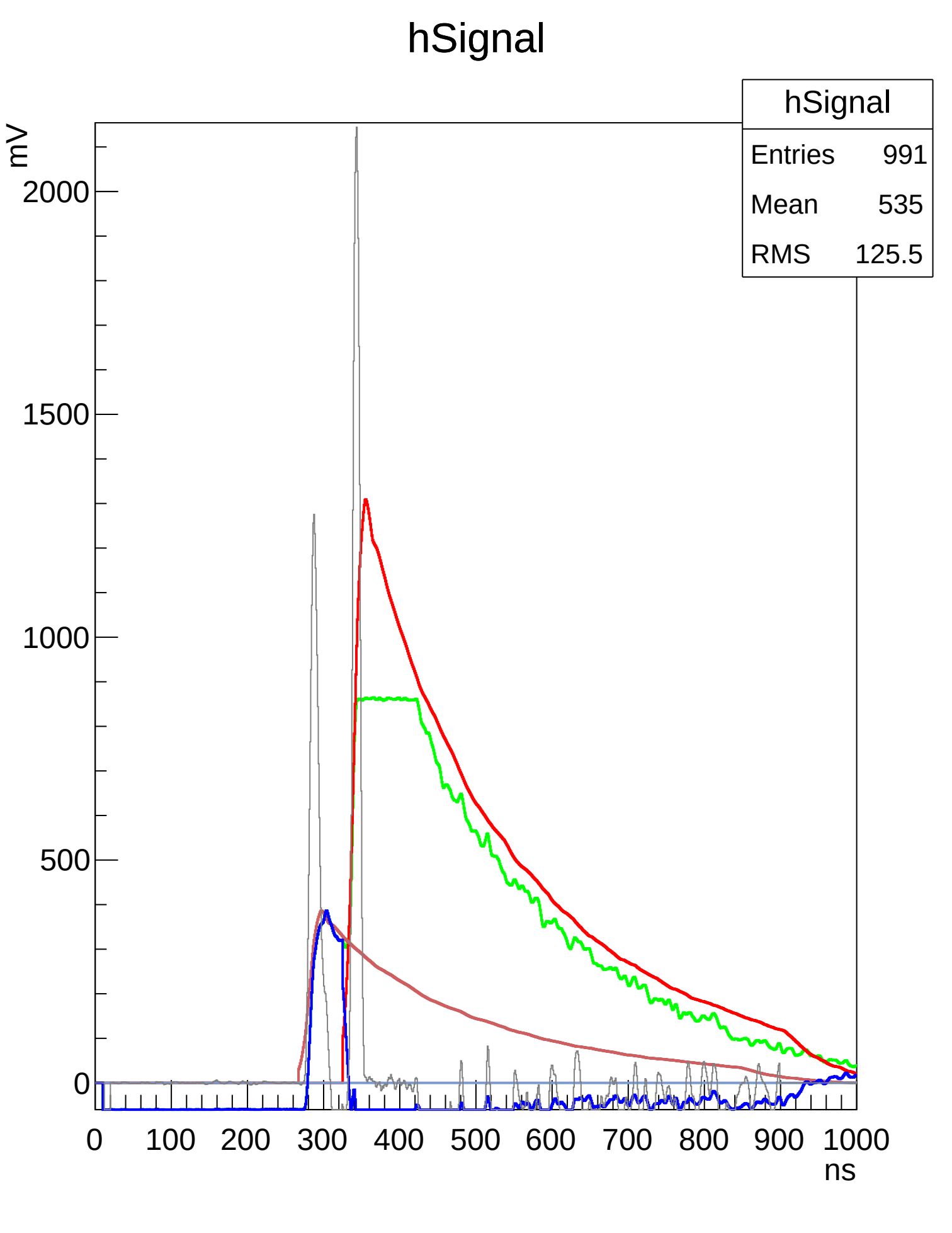

hSignal
hSignal
Entries 991
Mean 613.4
RMS 125.3
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

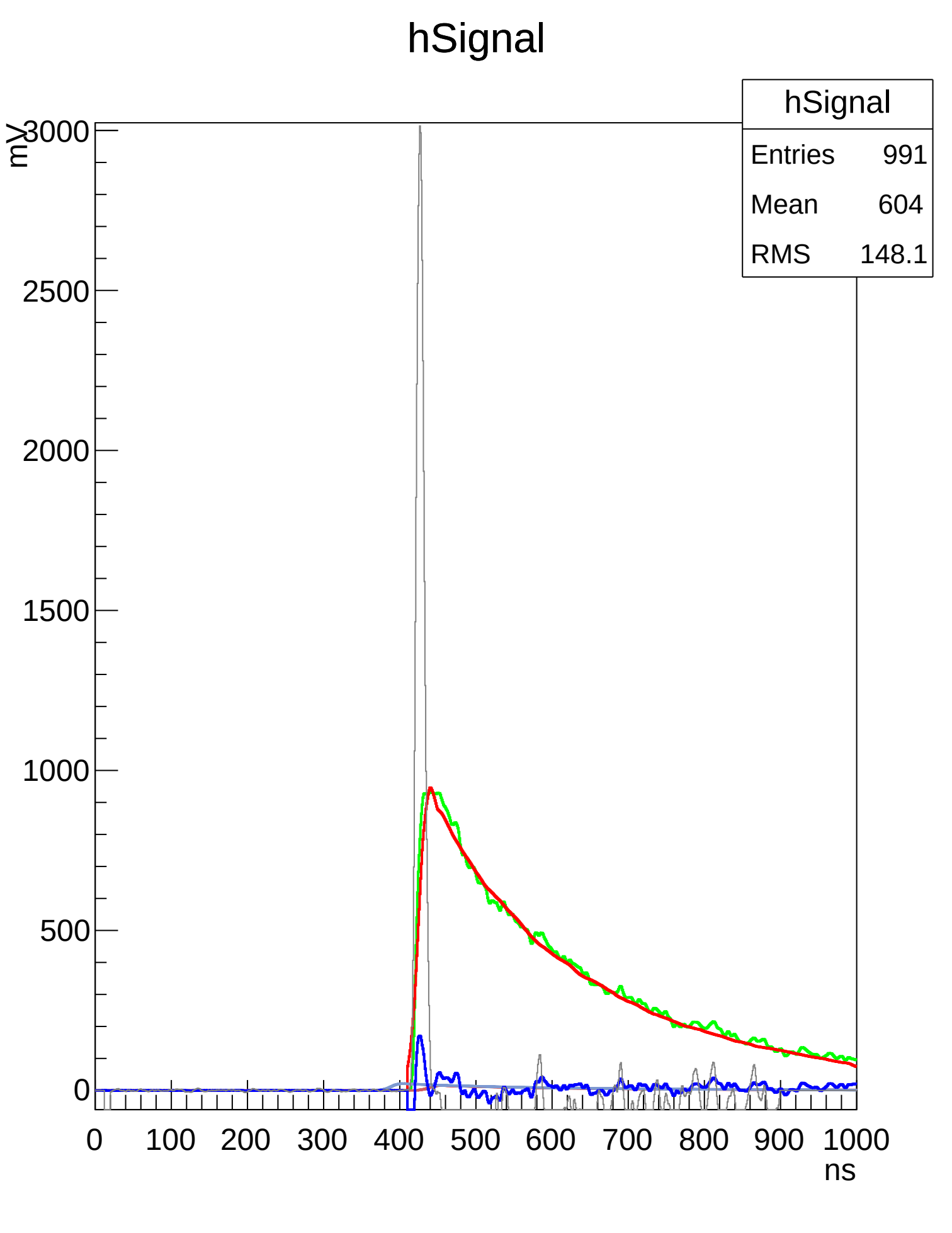

hSignal
hSignal
Entries 991
Mean 639.6
RMS 57.36
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

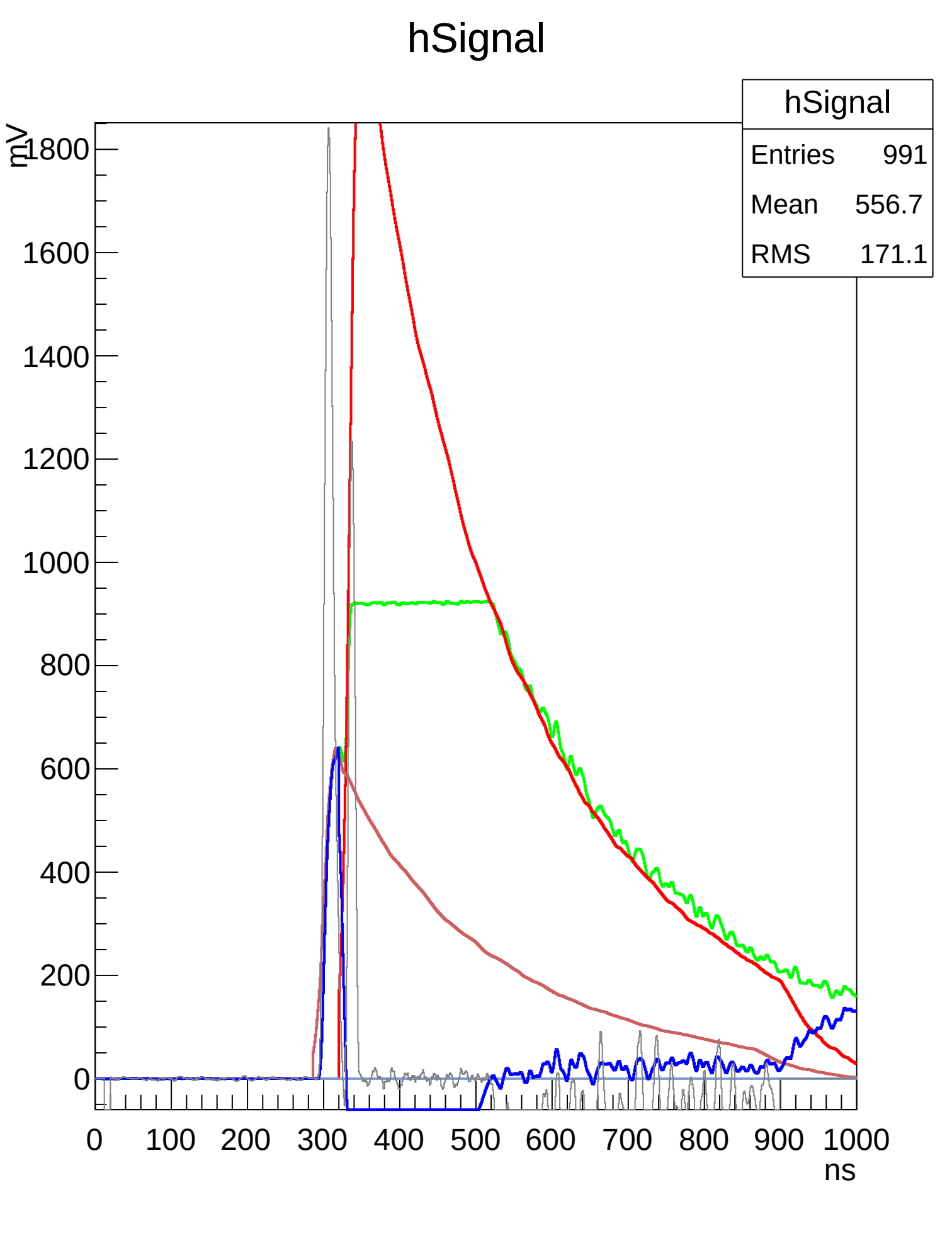

hSignal
hSignal
Entries 991
Mean 590.2
RMS 156.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

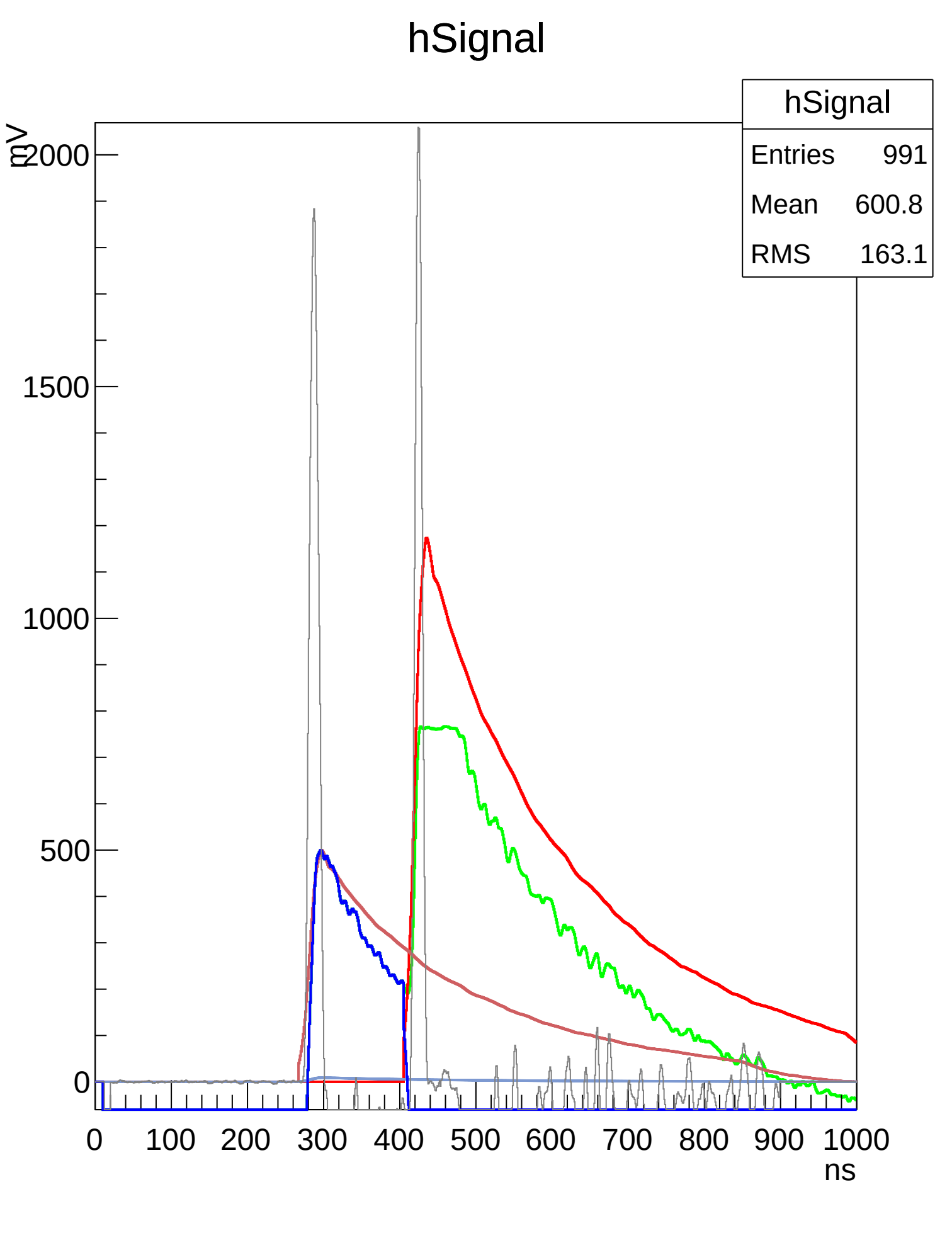

hSignal
hSignal
Entries 991
Mean 589.6
RMS 152.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

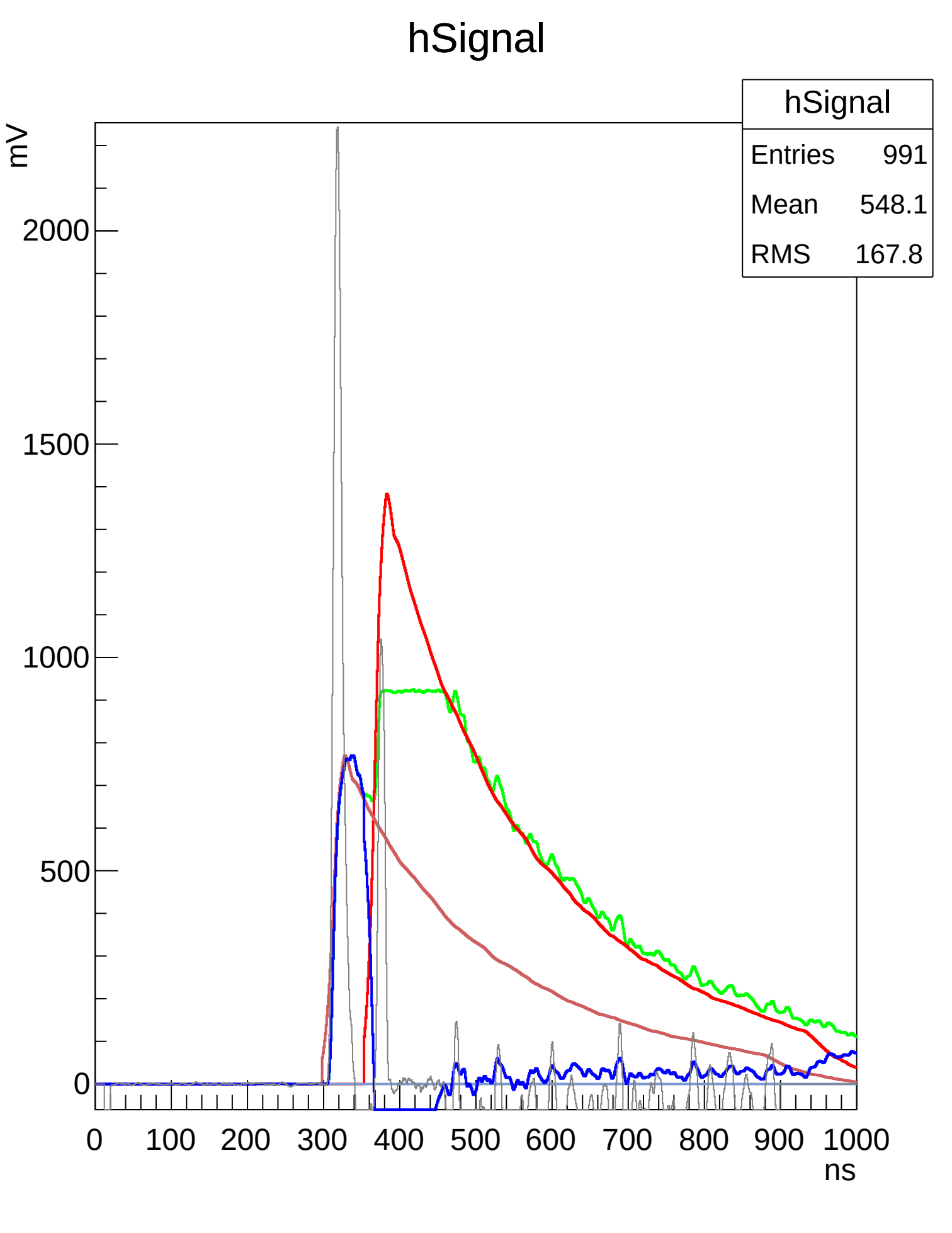

hSignal
hSignal
Entries 991
Mean 569.4
RMS 159.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

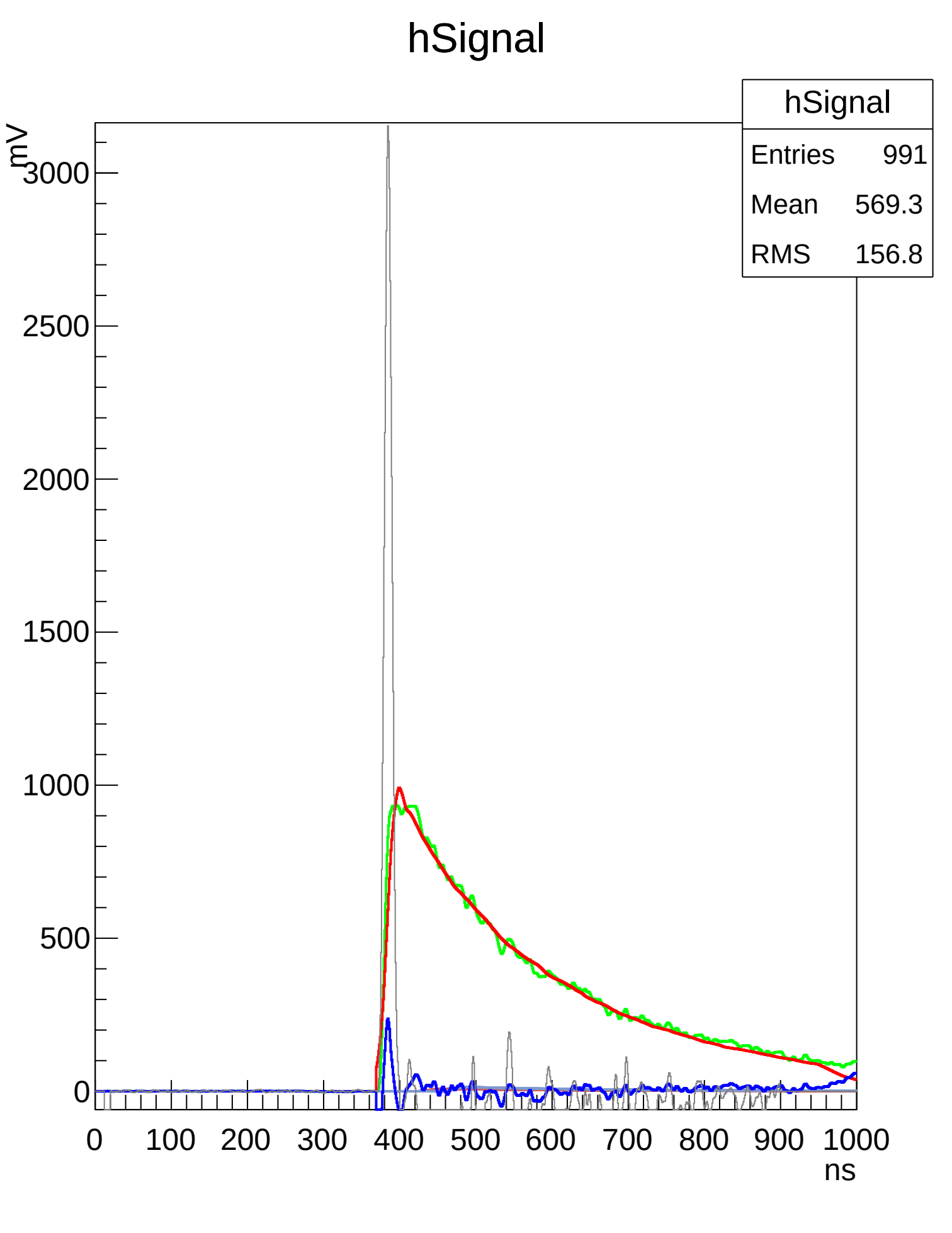

hSignal
hSignal
Entries 991
Mean 535
RMS 125.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

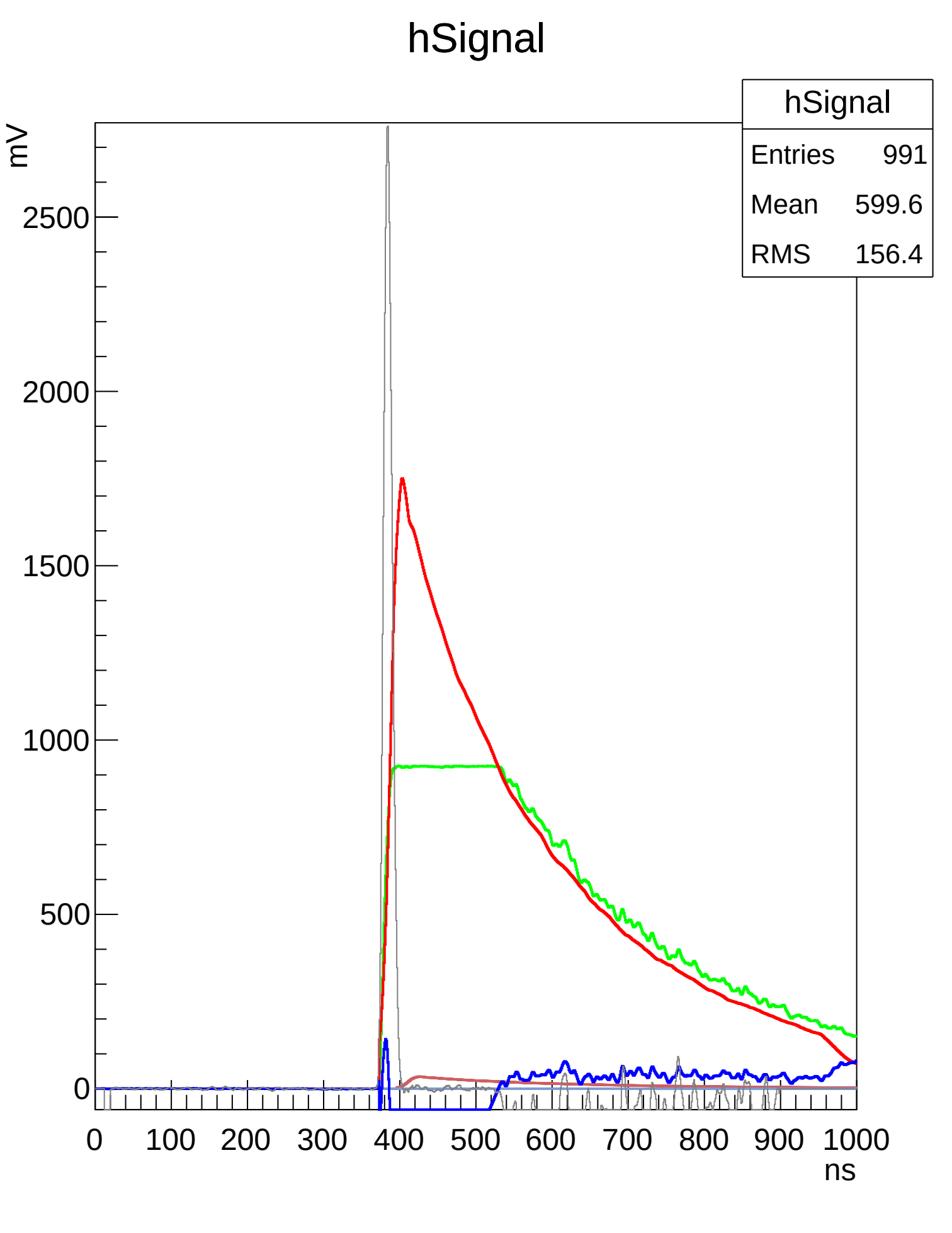

hSignal
hSignal
Entries 991
Mean 604
RMS 148.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

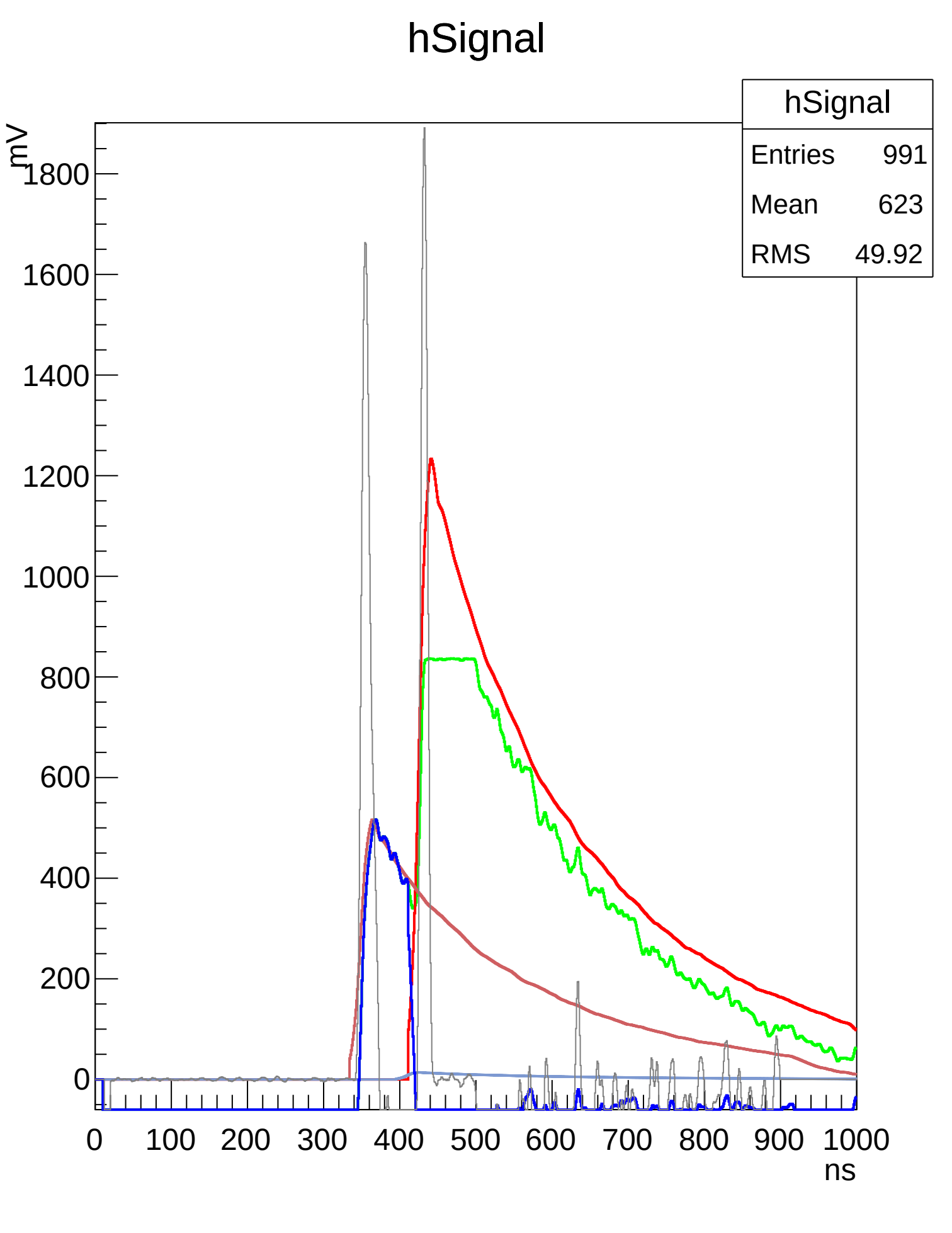

hSignal
hSignal
Entries 991
Mean 556.7
RMS 171.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

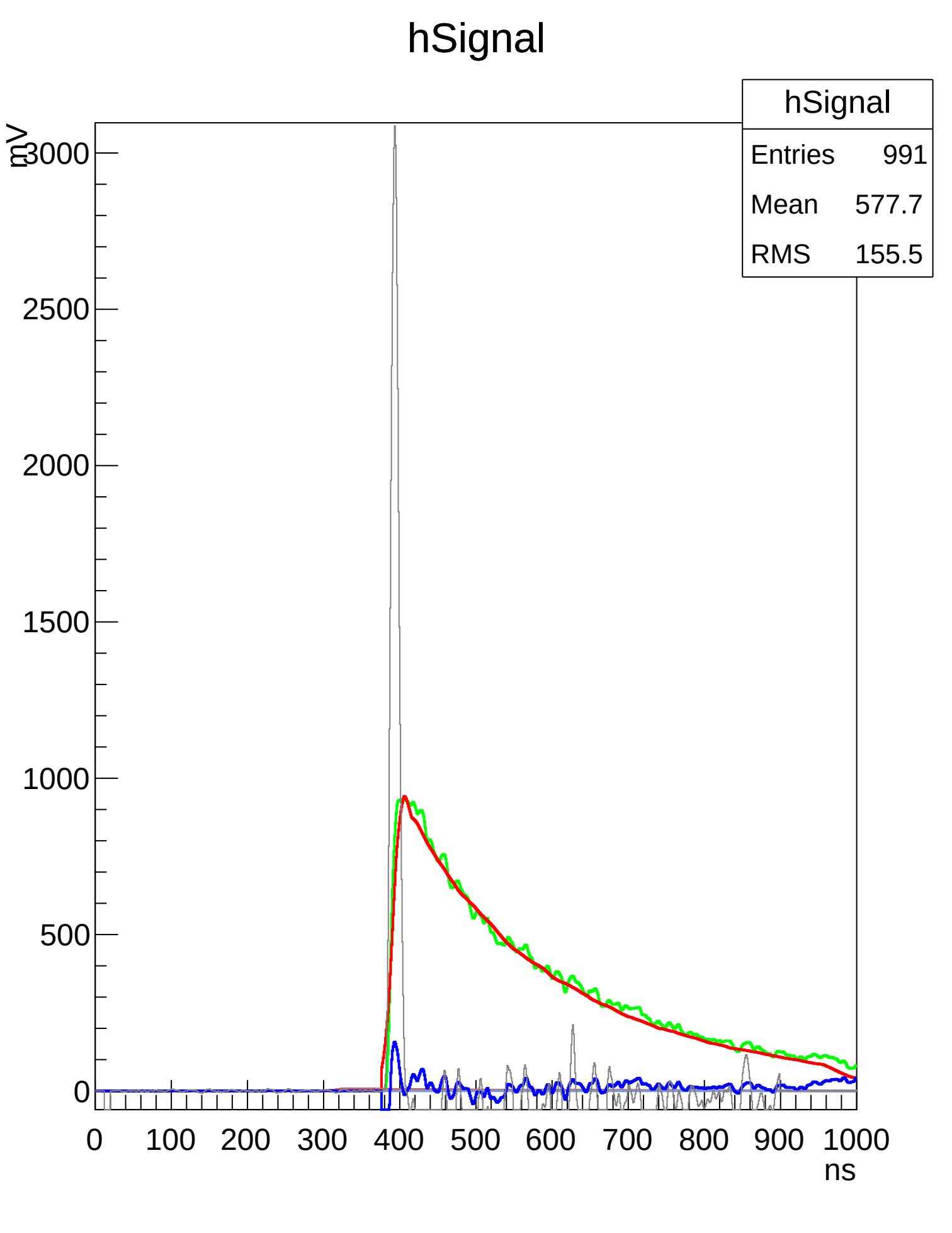

hSignal
hSignal
Entries 991
Mean 600.8
RMS 163.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

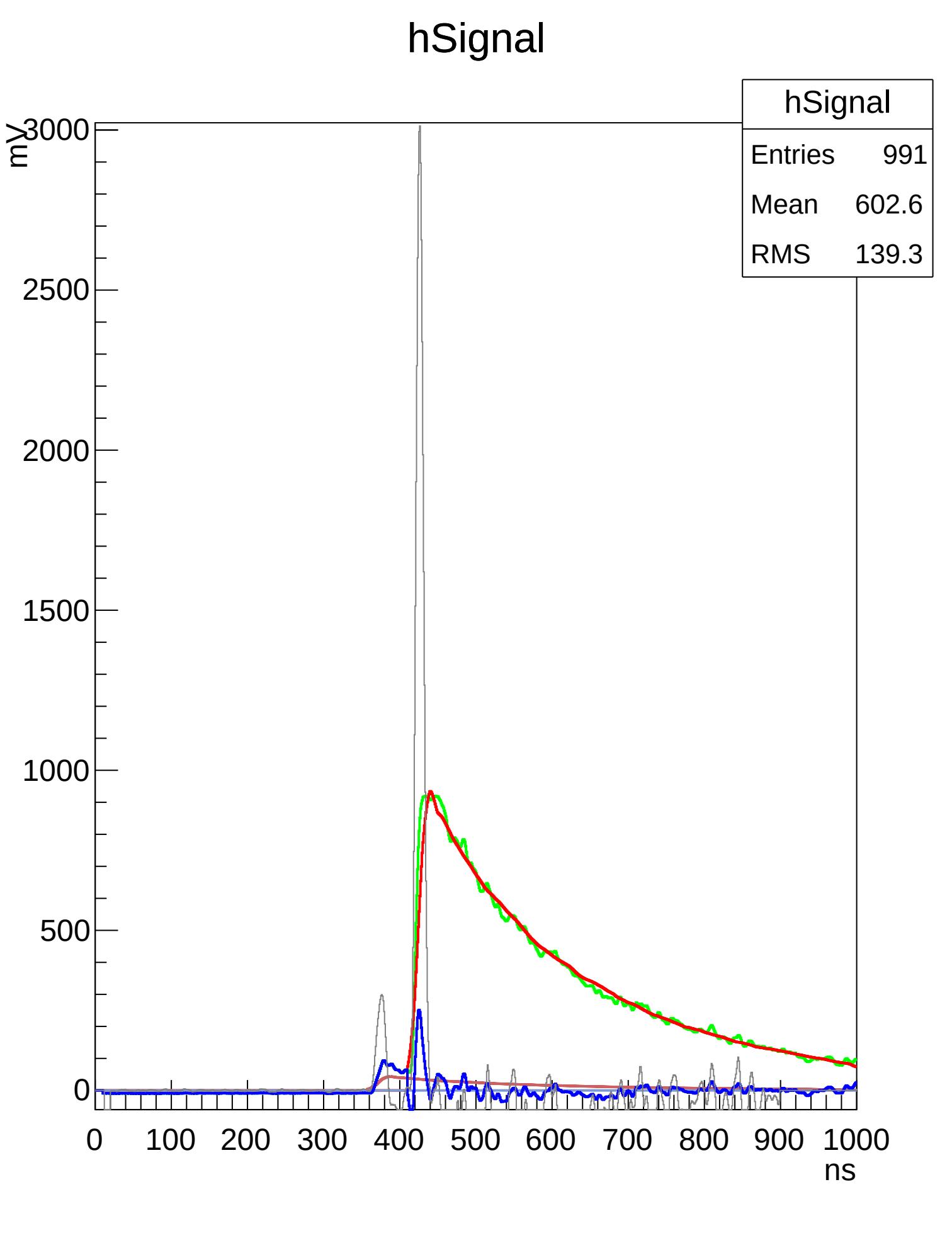

hSignal
hSignal
Entries 991
Mean 548.1
RMS 167.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

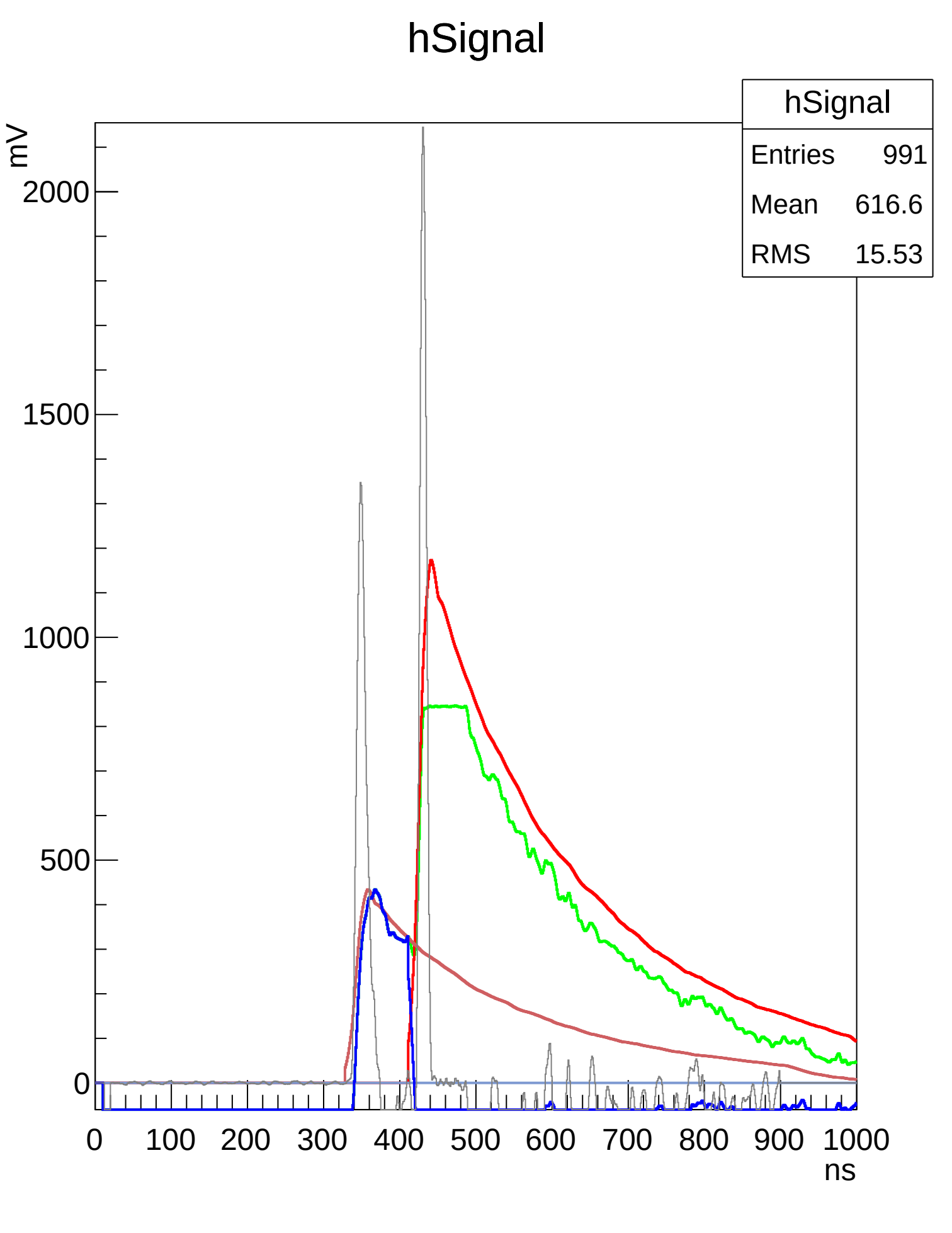

hSignal
hSignal
Entries 991
Mean 569.3
RMS 156.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

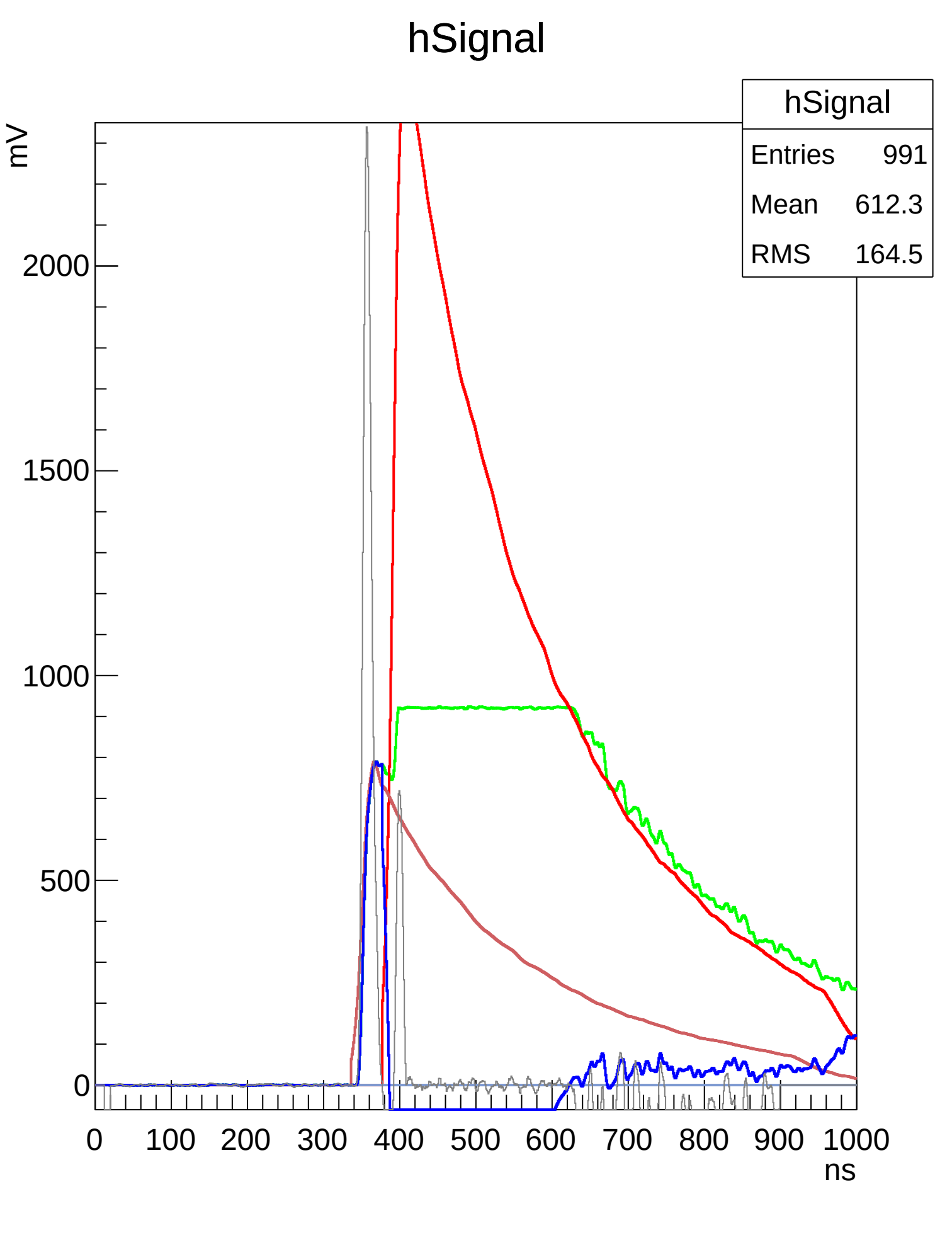

hSignal
hSignal
Entries 991
Mean 599.6
RMS 156.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

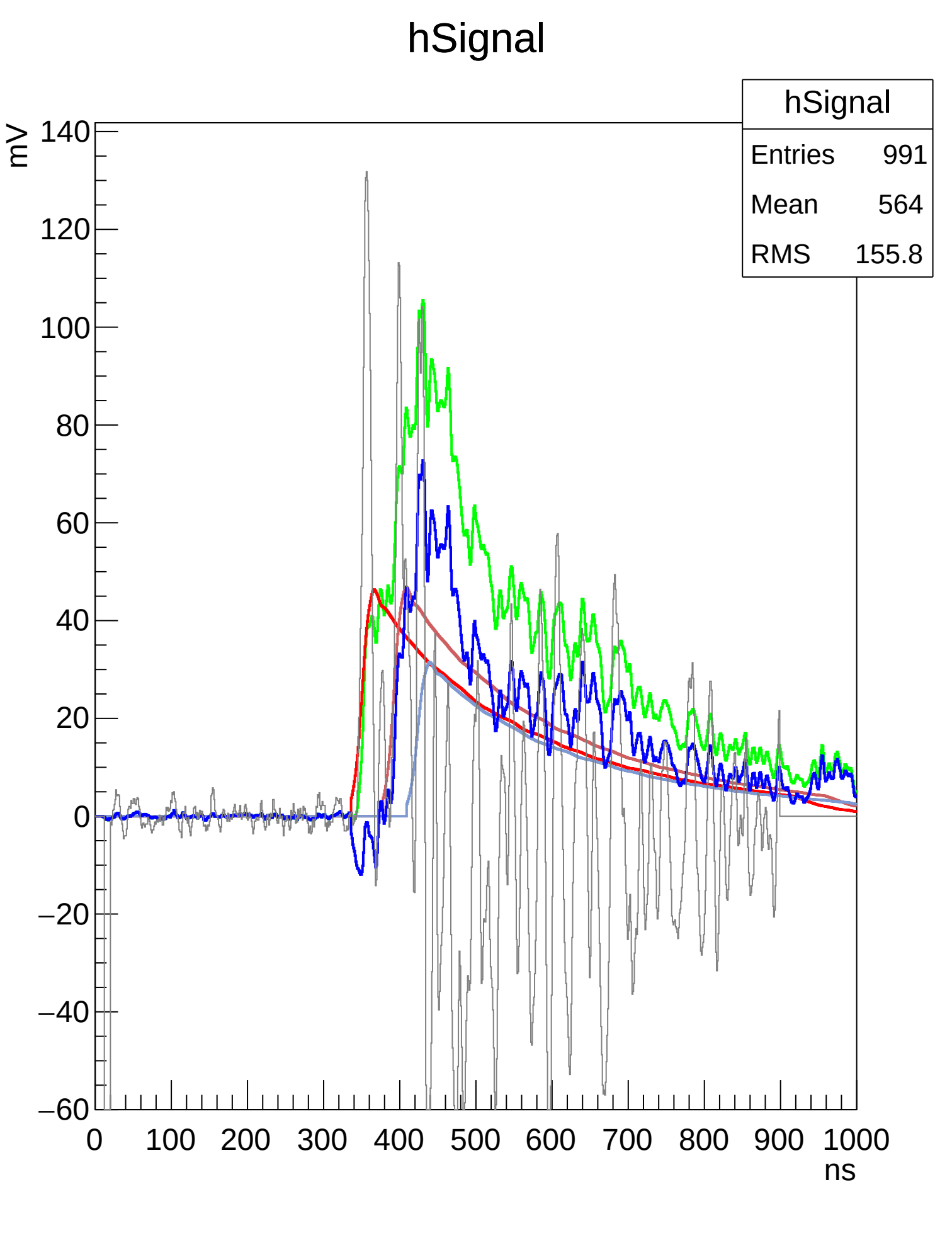

hSignal
hSignal
Entries 991
Mean 623
RMS 49.92
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

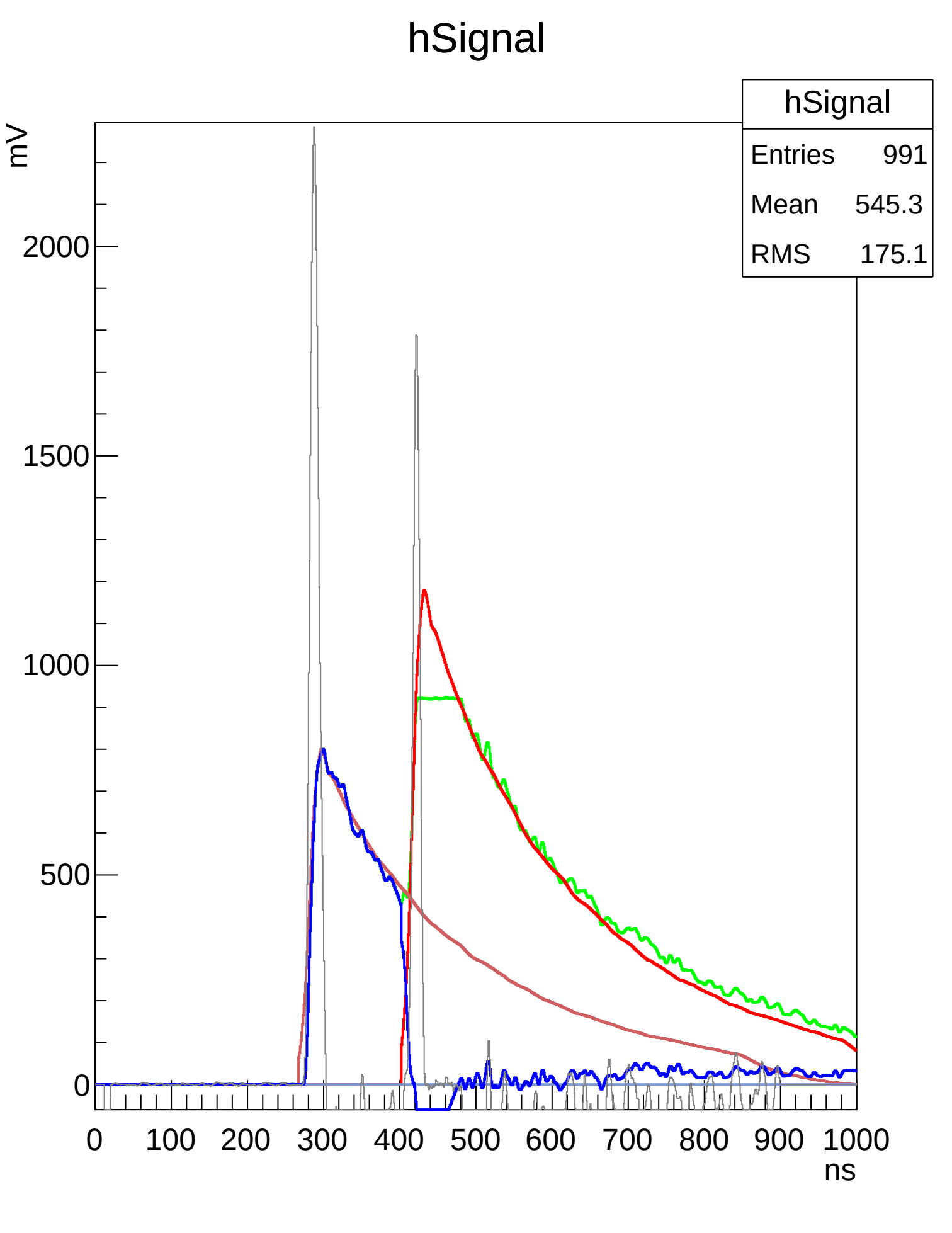

hSignal
hSignal
Entries 991
Mean 577.7
RMS 155.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

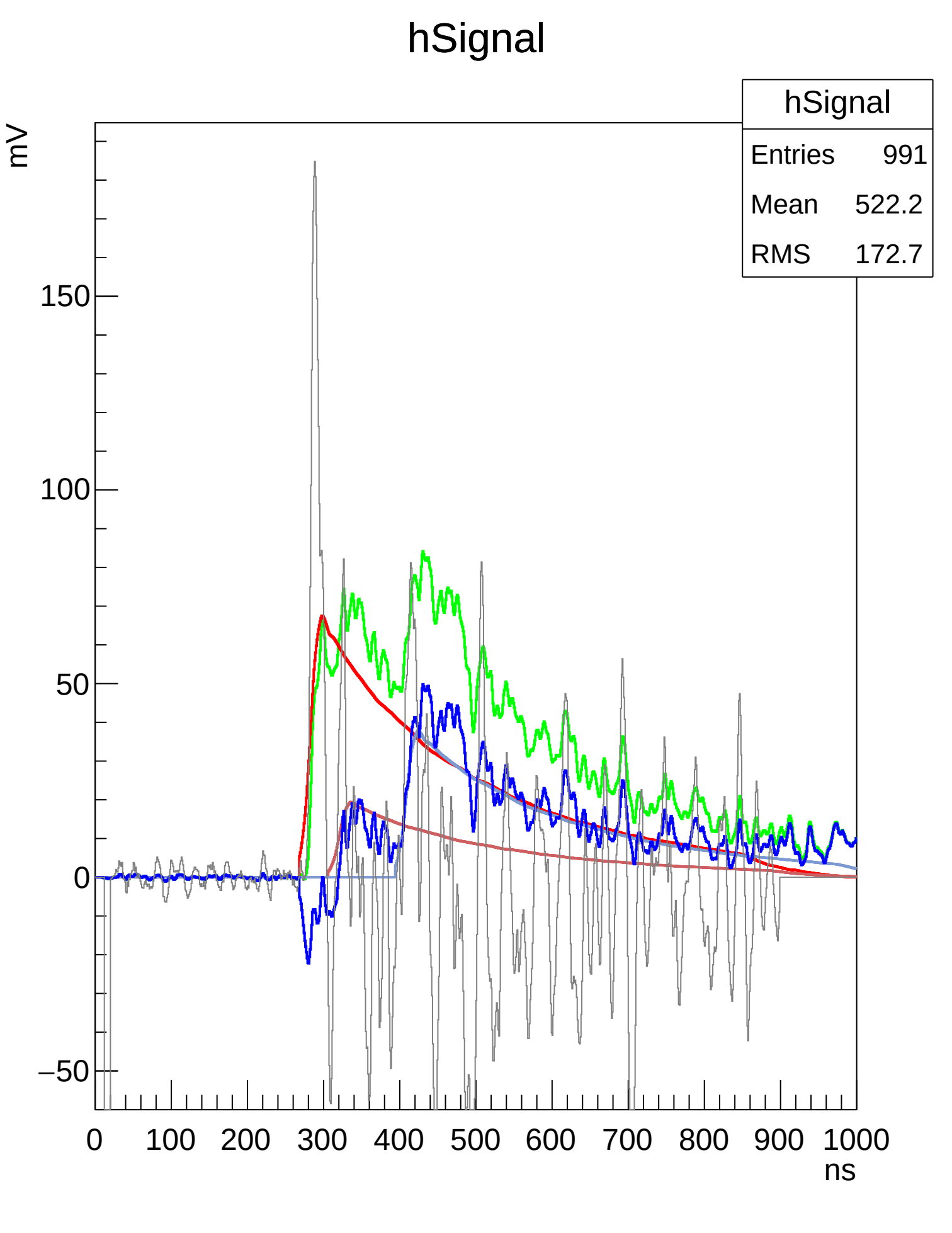

hSignal
hSignal
Entries 991
Mean 602.6
RMS 139.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

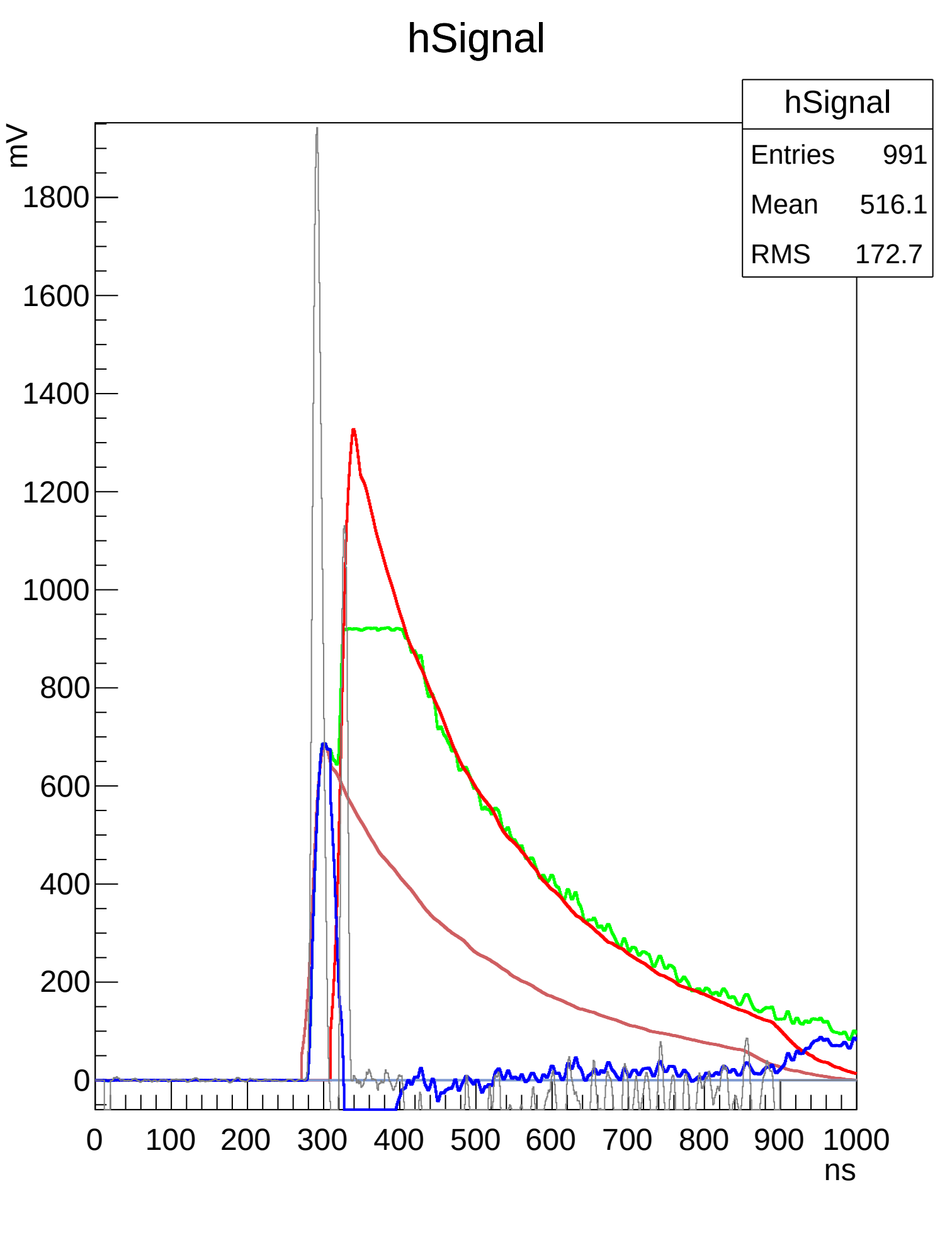

hSignal
hSignal
Entries 991
Mean 616.6
RMS 15.53
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

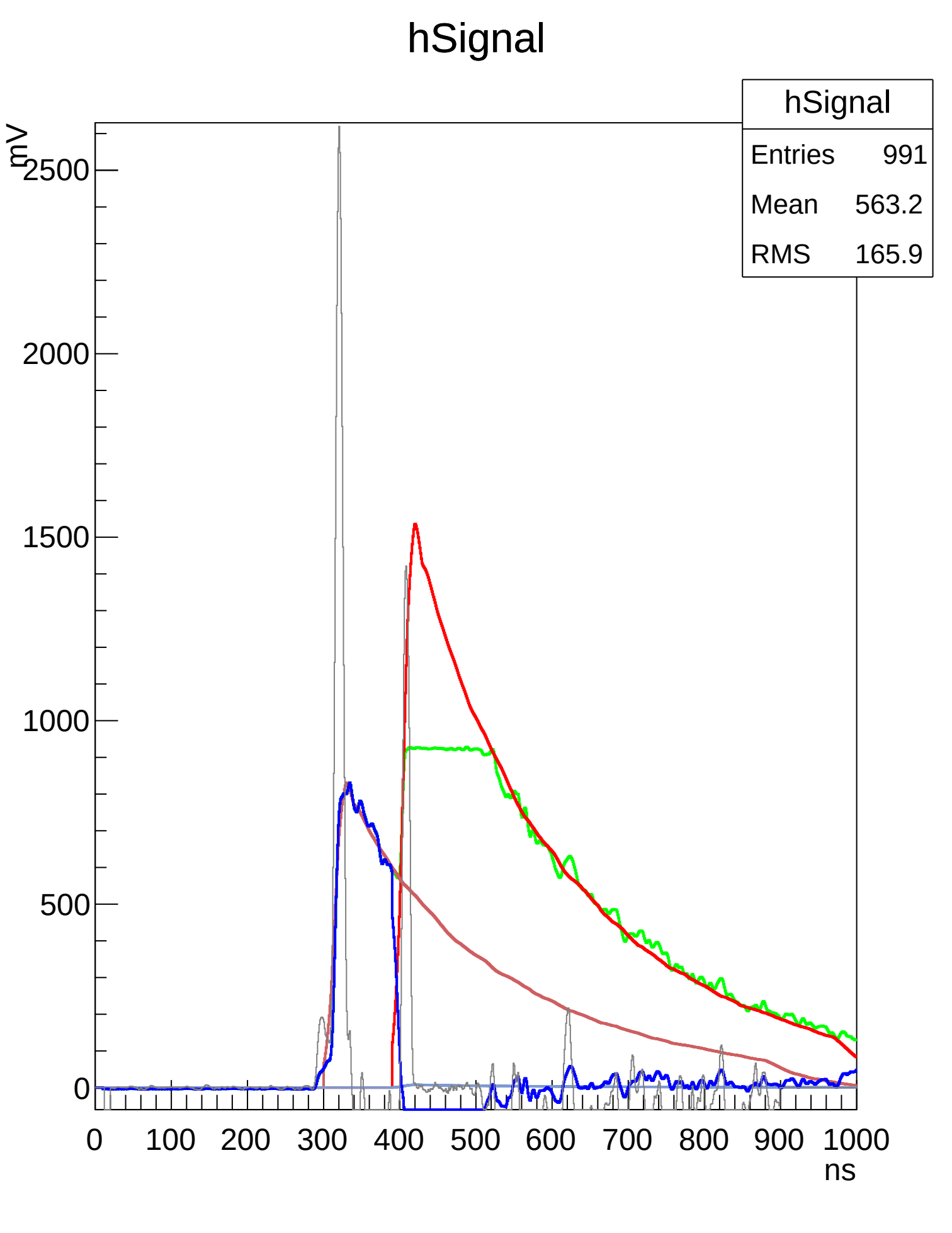

hSignal
hSignal
Entries 991
Mean 612.3
RMS 164.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

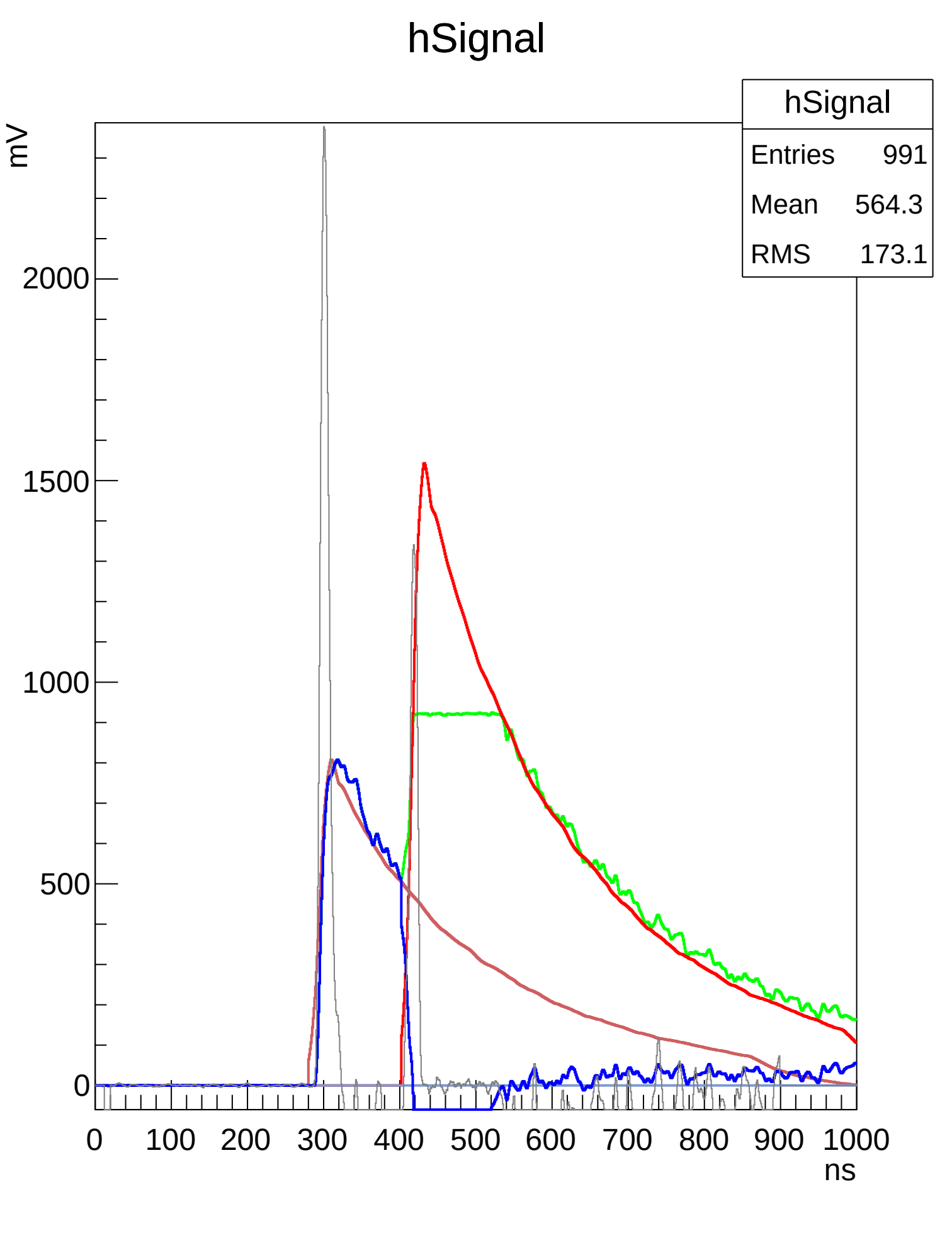

hSignal
hSignal
Entries 991
Mean 564
RMS 155.8
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

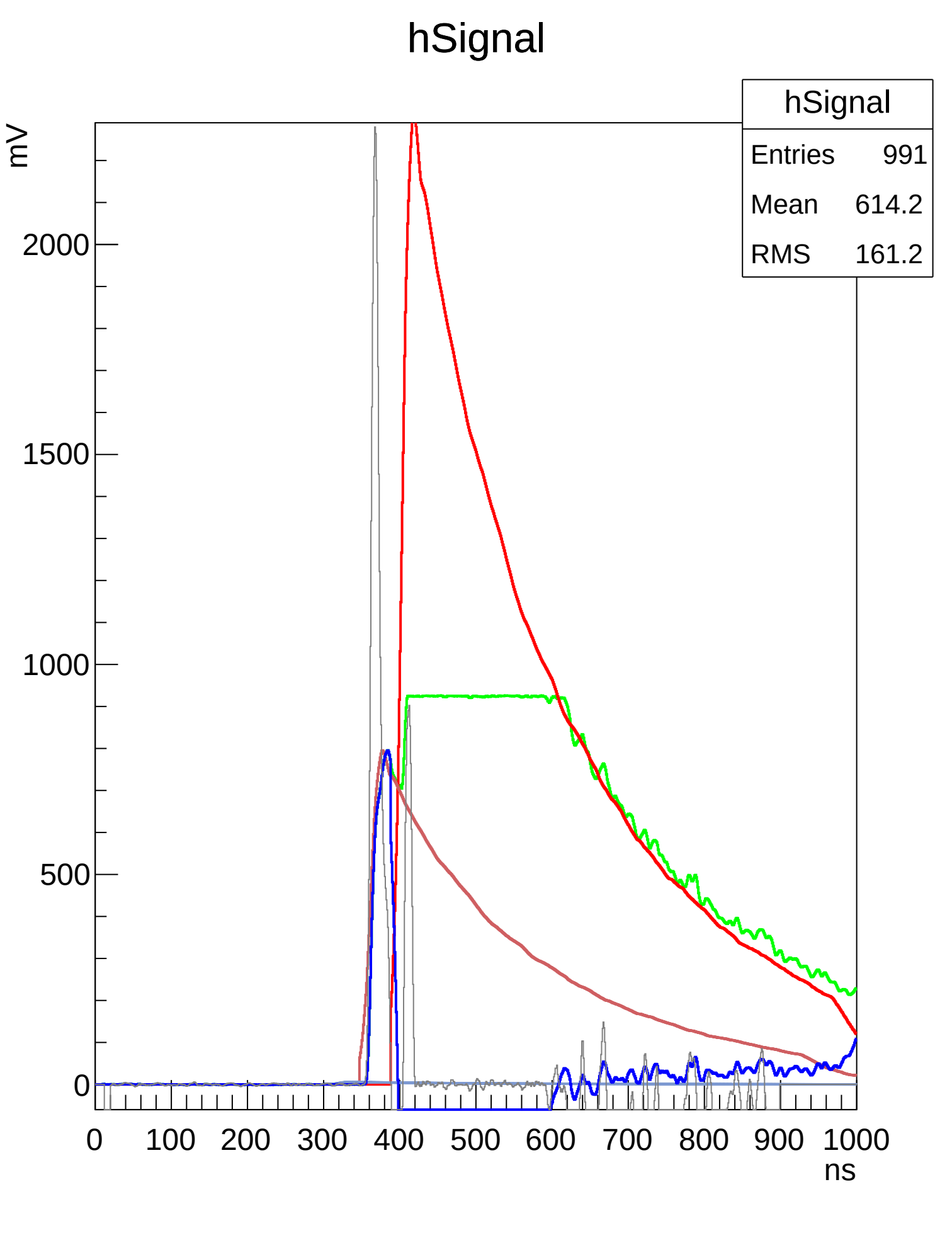

hSignal
hSignal
Entries 991
Mean 545.3
RMS 175.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

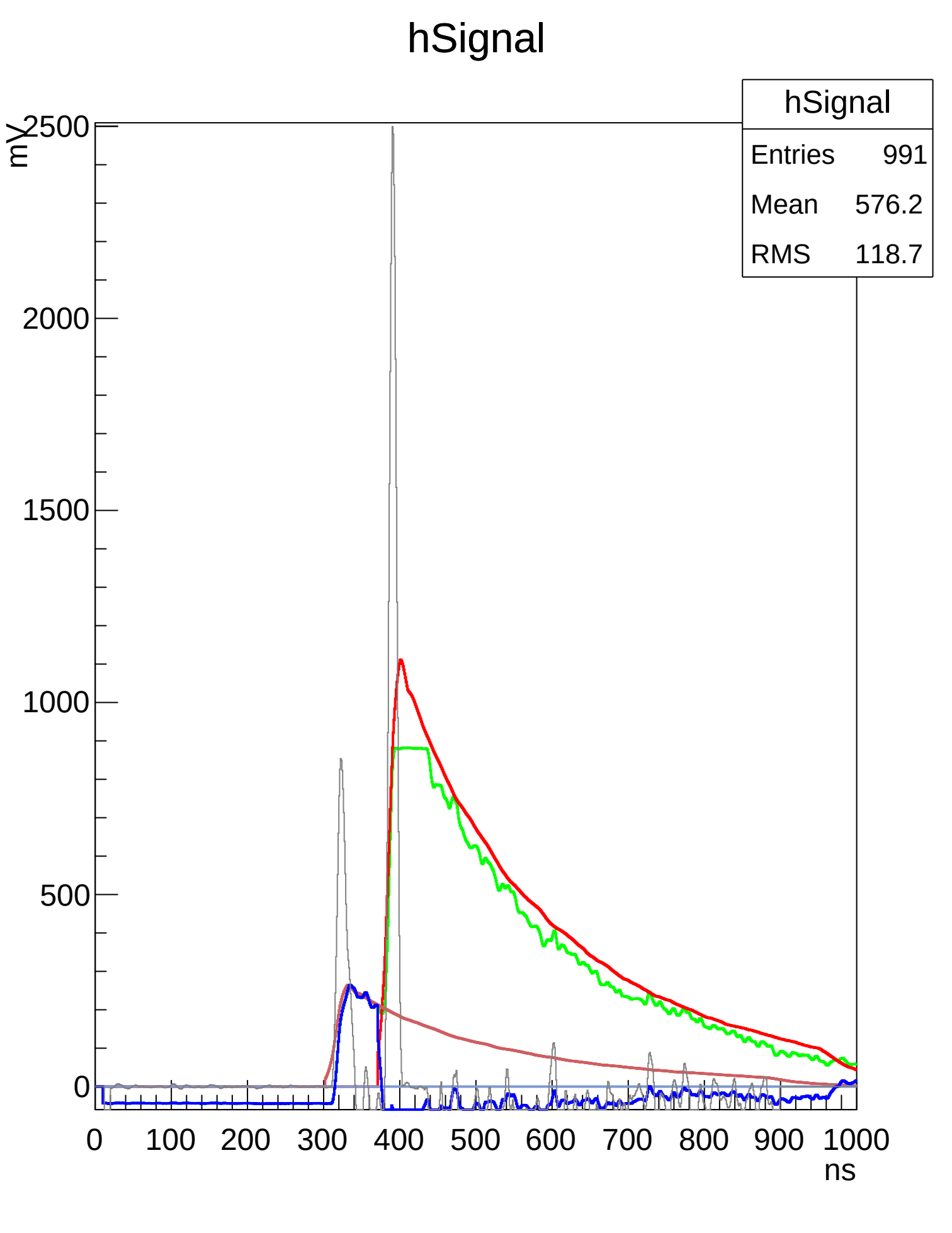

hSignal
hSignal
Entries 991
Mean 522.2
RMS 172.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

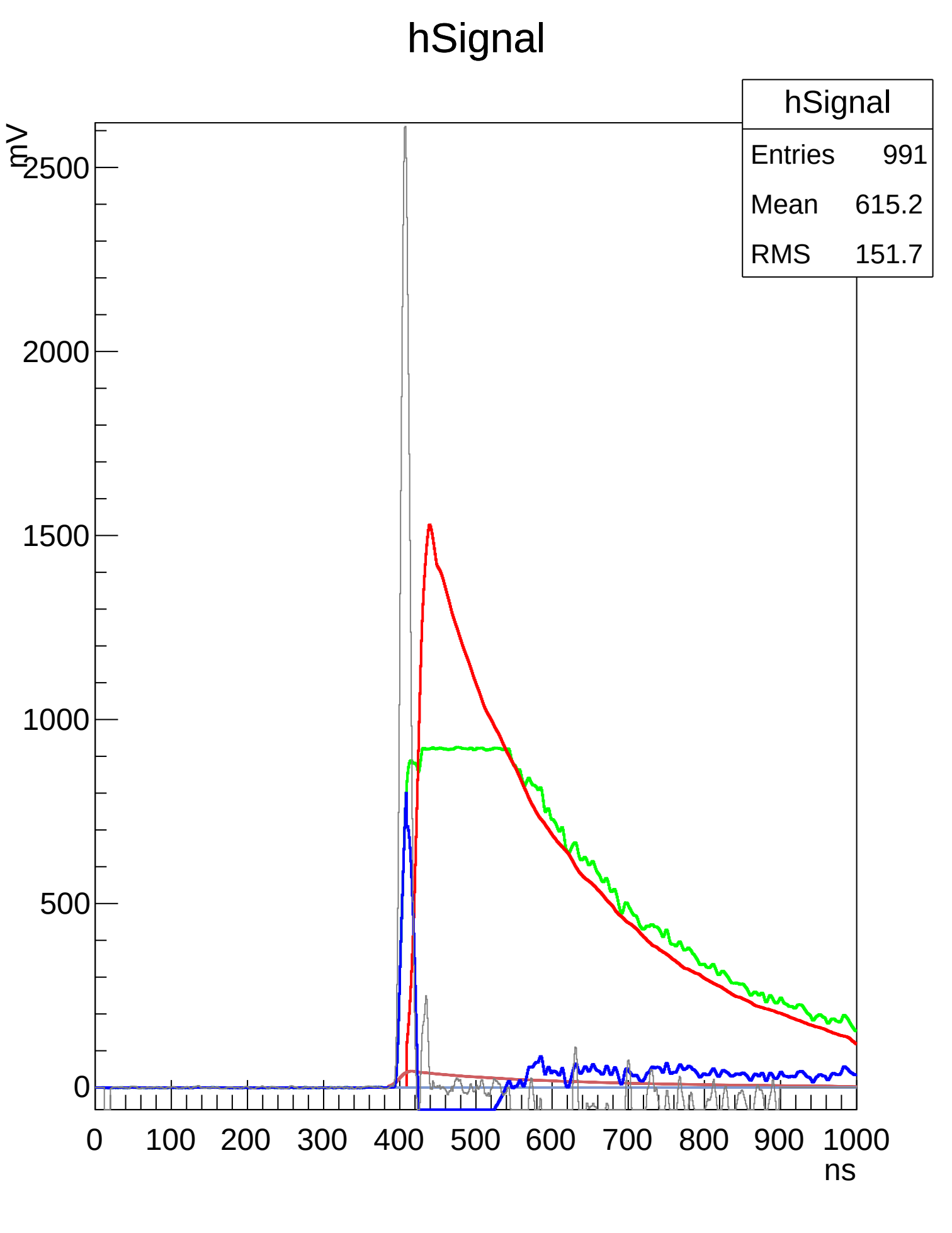

hSignal
hSignal
Entries 991
Mean 516.1
RMS 172.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

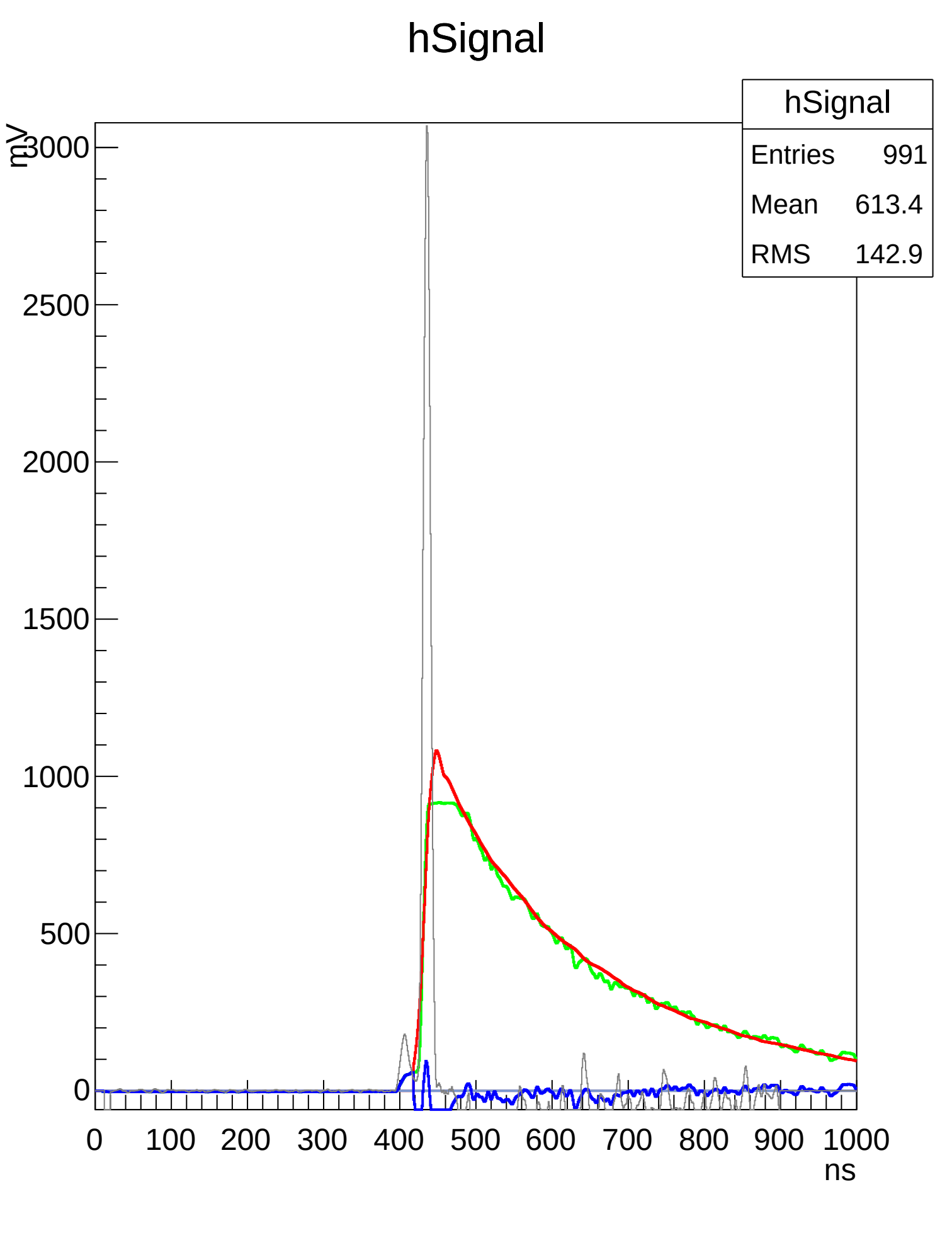

hSignal
hSignal
Entries 991
Mean 563.2
RMS 165.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

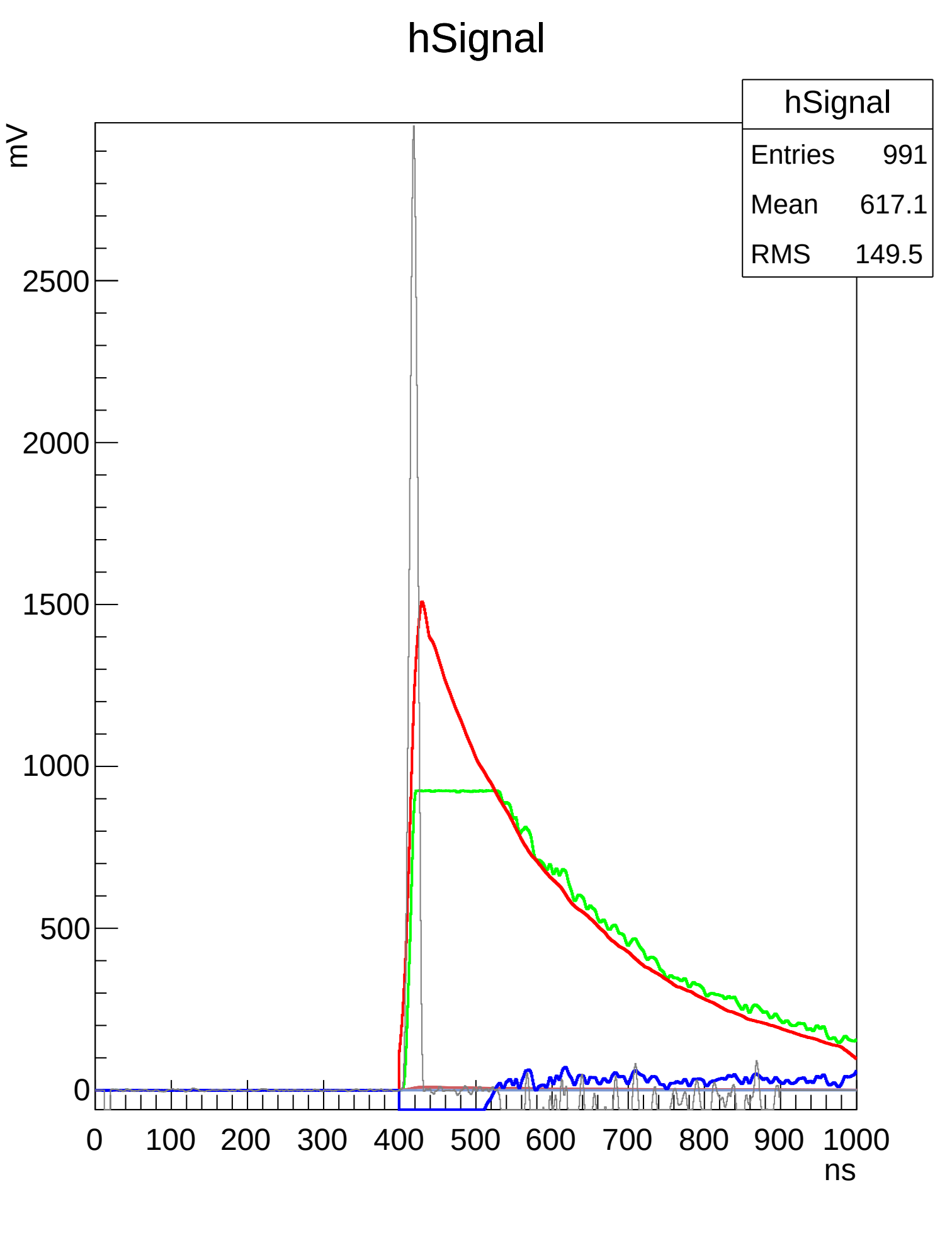

hSignal
hSignal
Entries 991
Mean 564.3
RMS 173.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

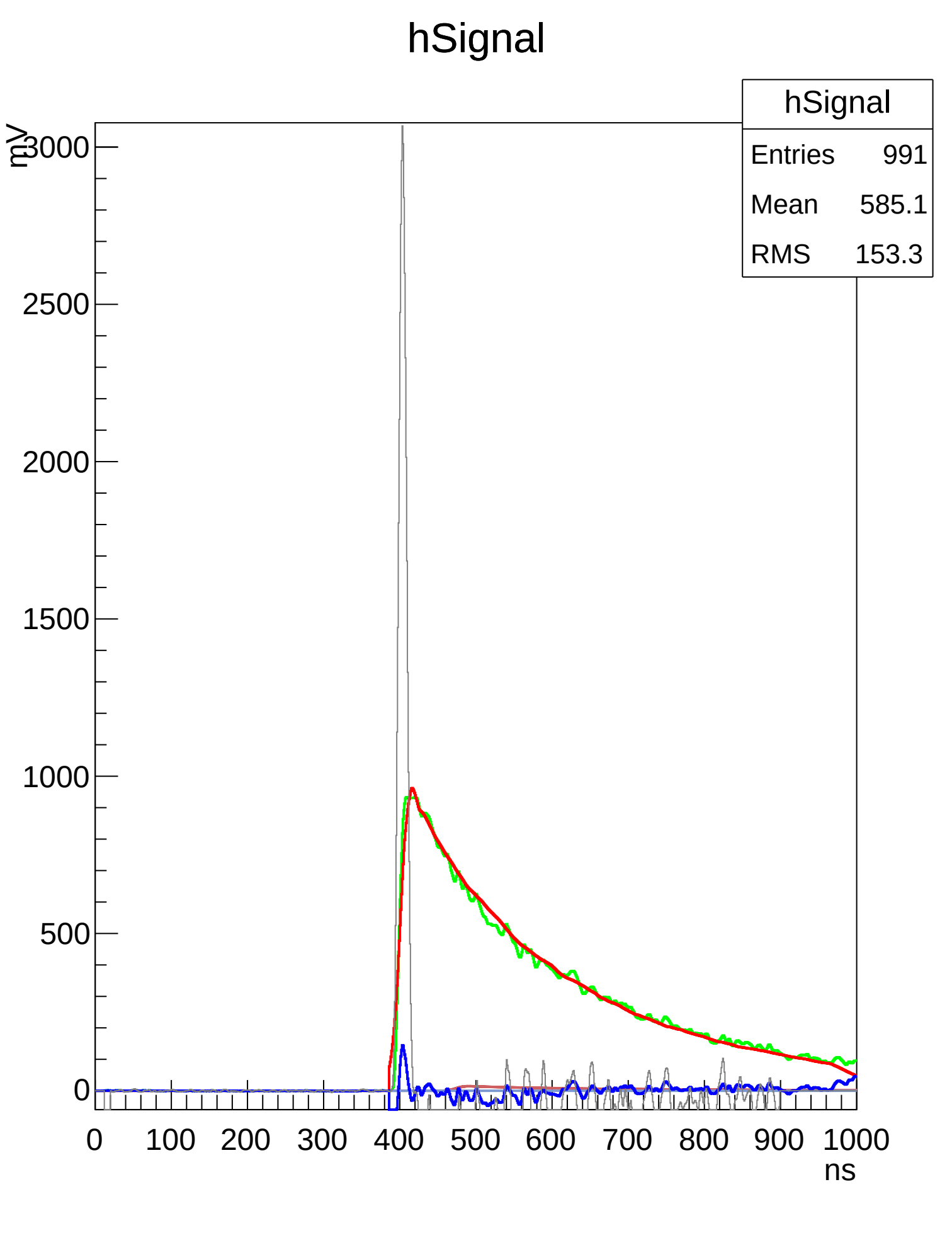

hSignal
hSignal
Entries 991
Mean 614.2
RMS 161.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

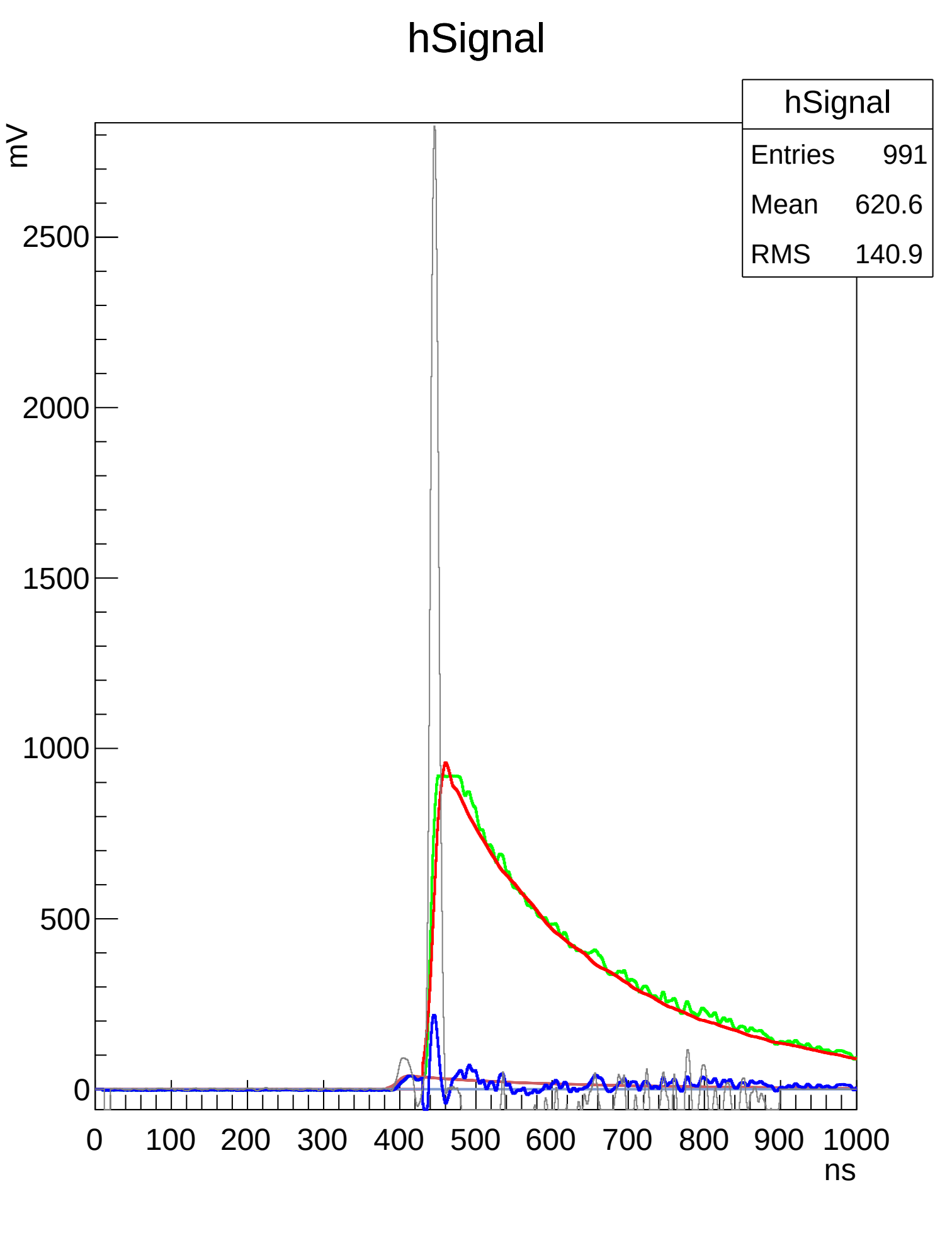

hSignal
hSignal
Entries 991
Mean 576.2
RMS 118.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

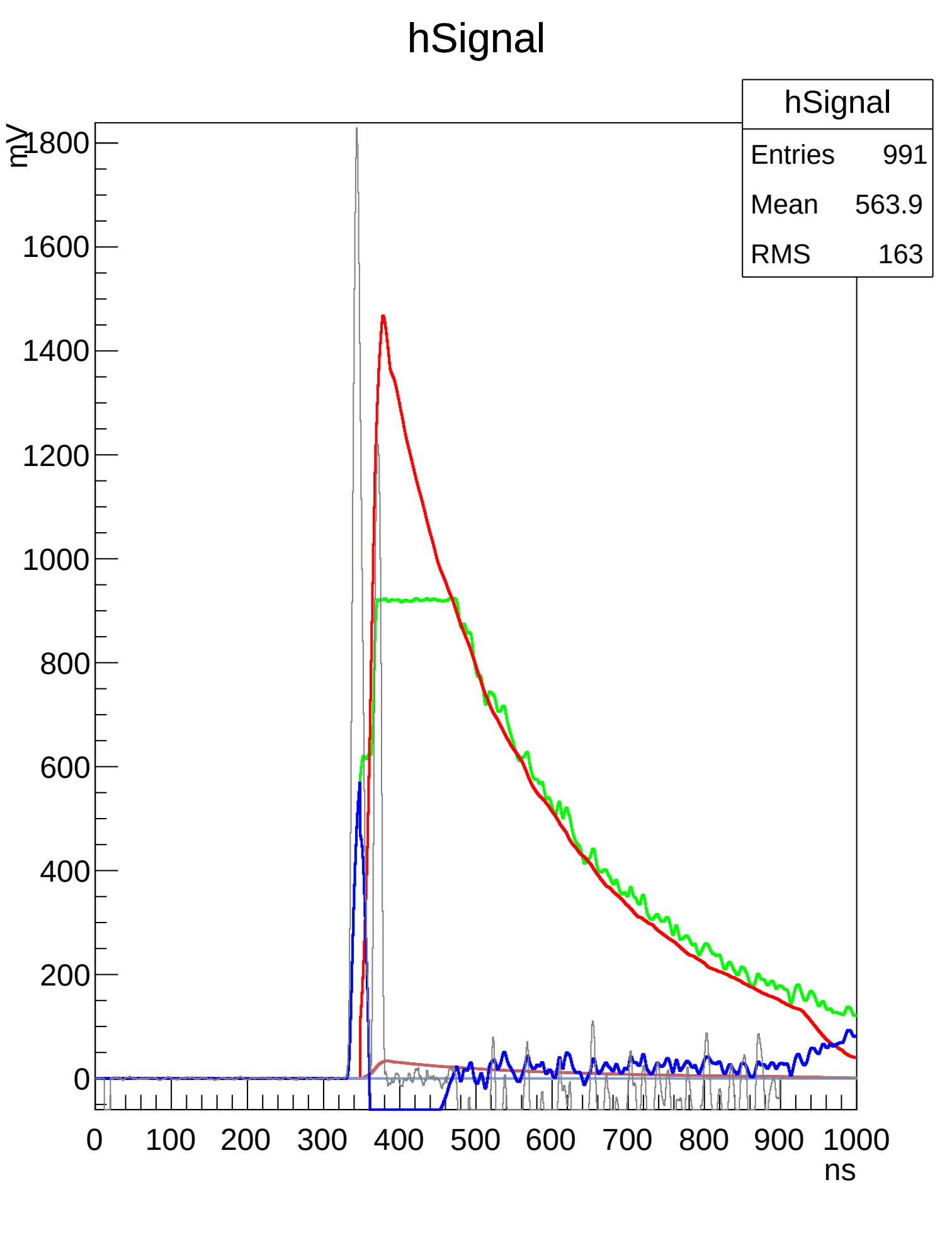

hSignal
hSignal
Entries 991
Mean 615.2
RMS 151.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

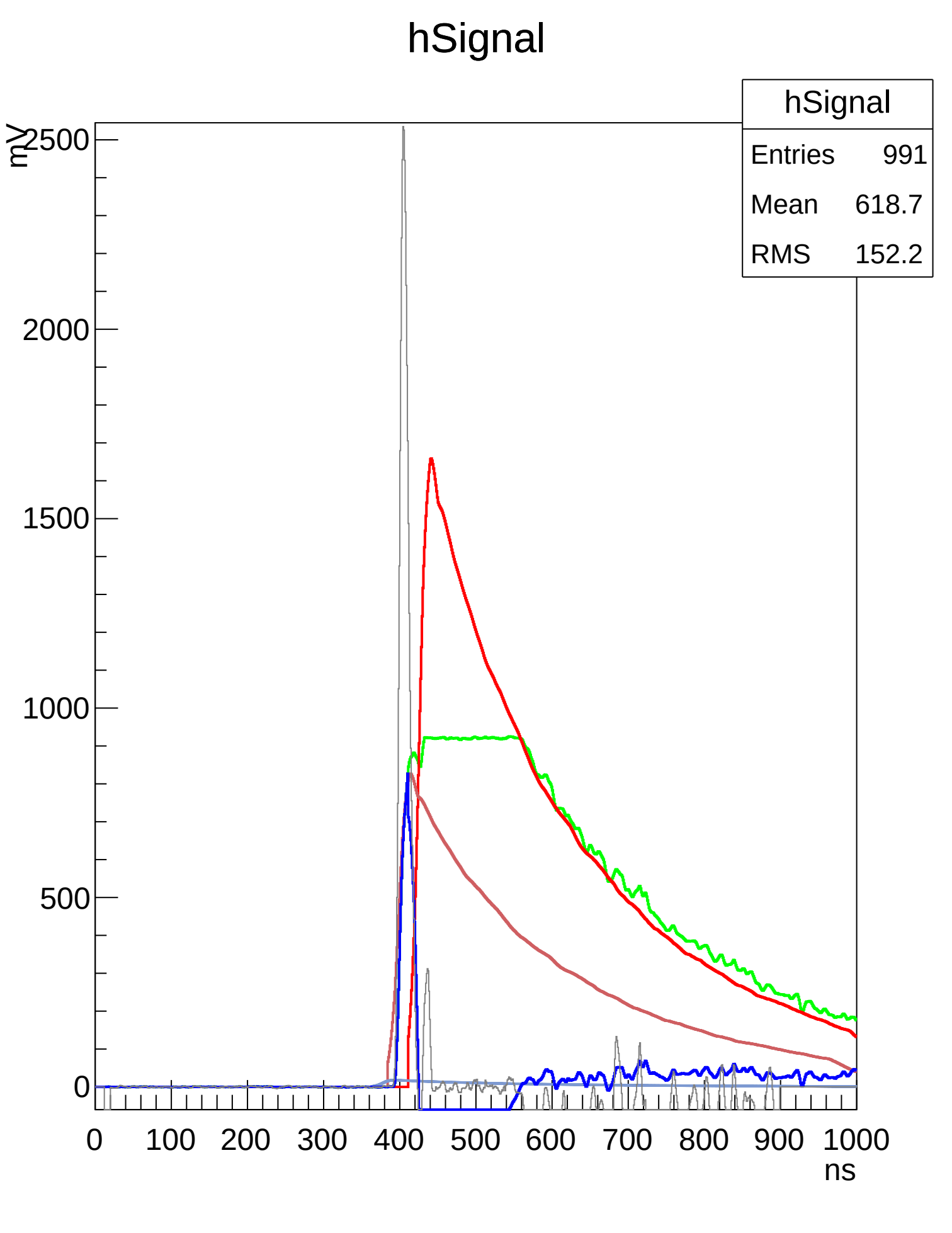

hSignal
hSignal
Entries 991
Mean 613.4
RMS 142.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

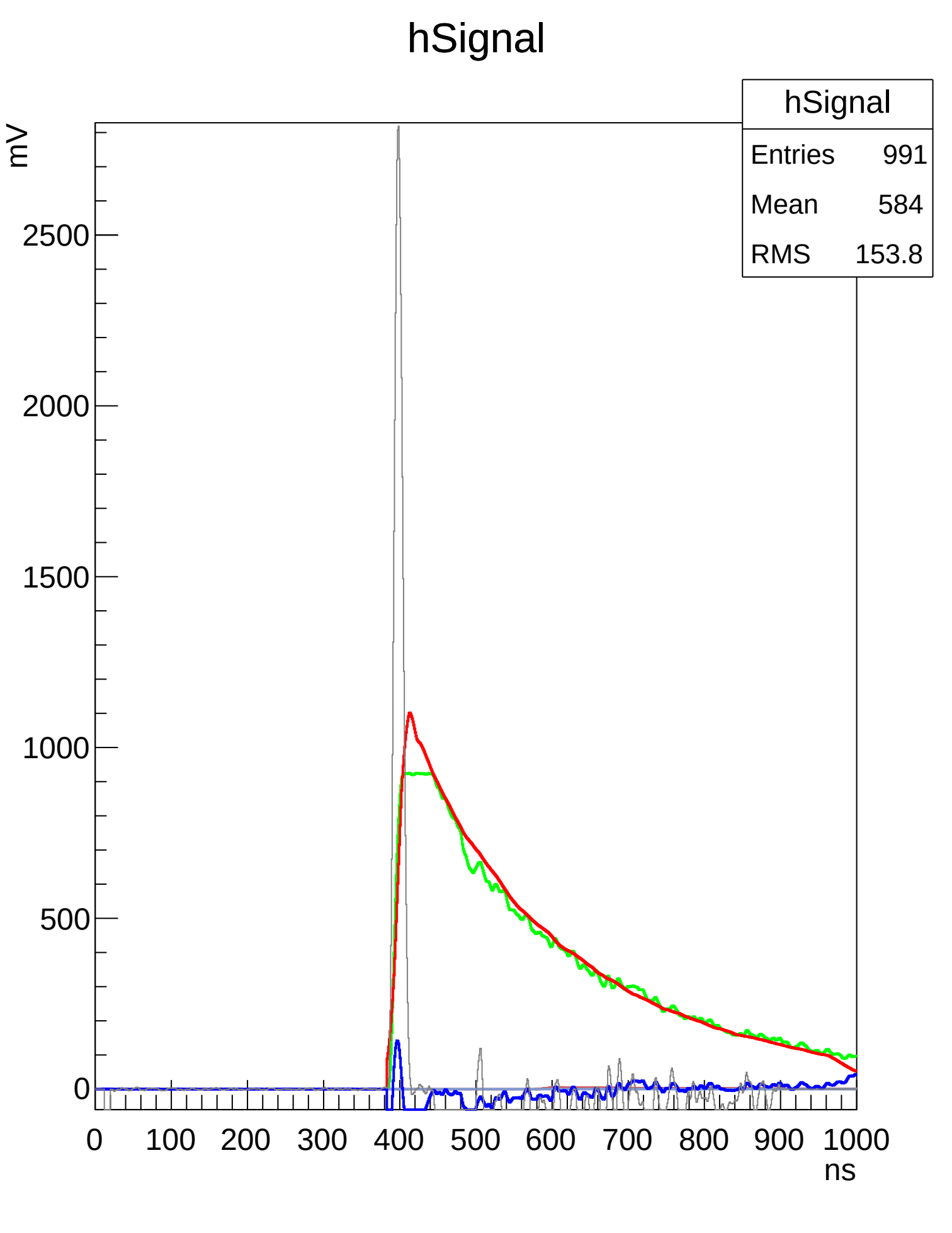

hSignal
hSignal
Entries 991
Mean 617.1
RMS 149.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

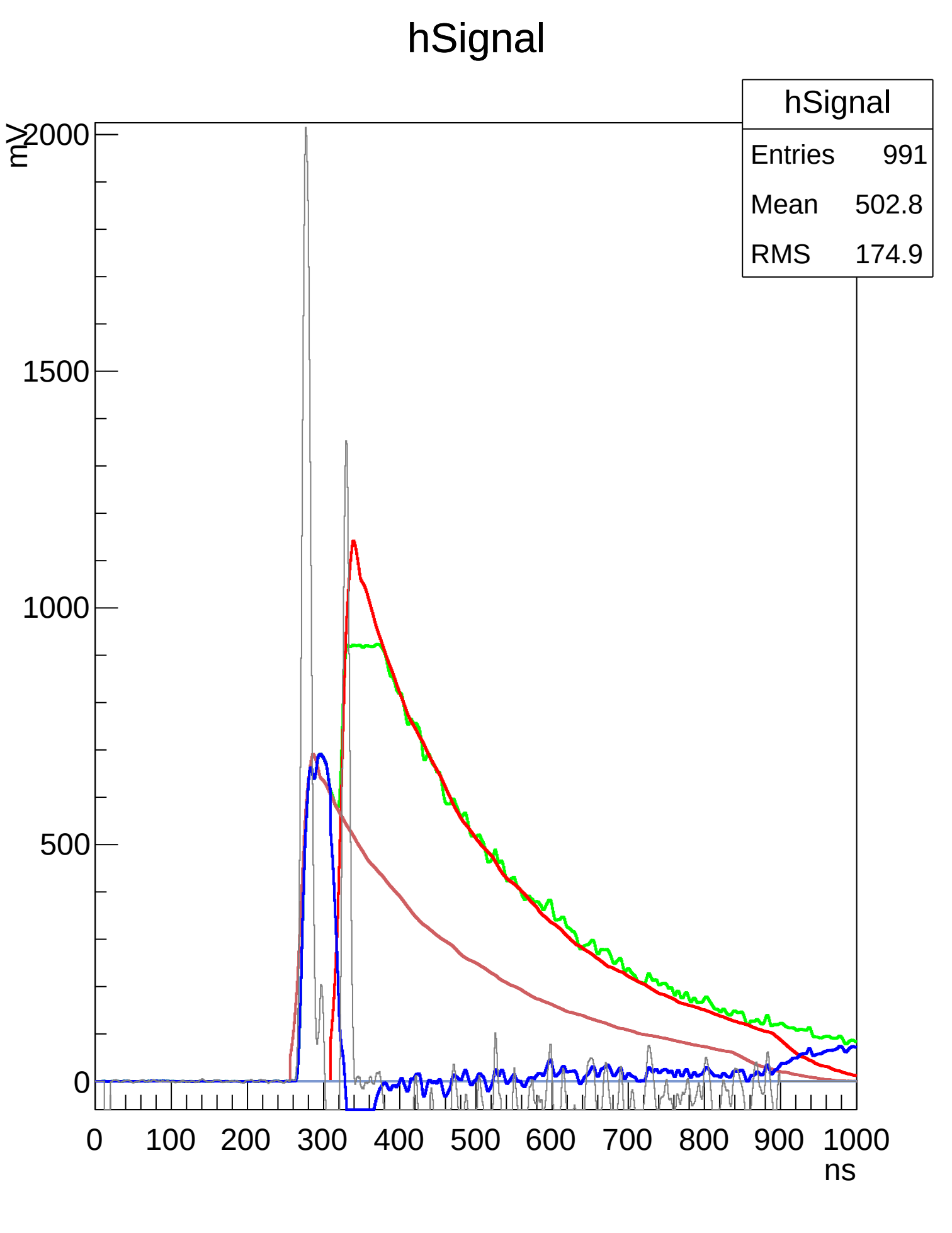

hSignal
hSignal
Entries 991
Mean 585.1
RMS 153.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

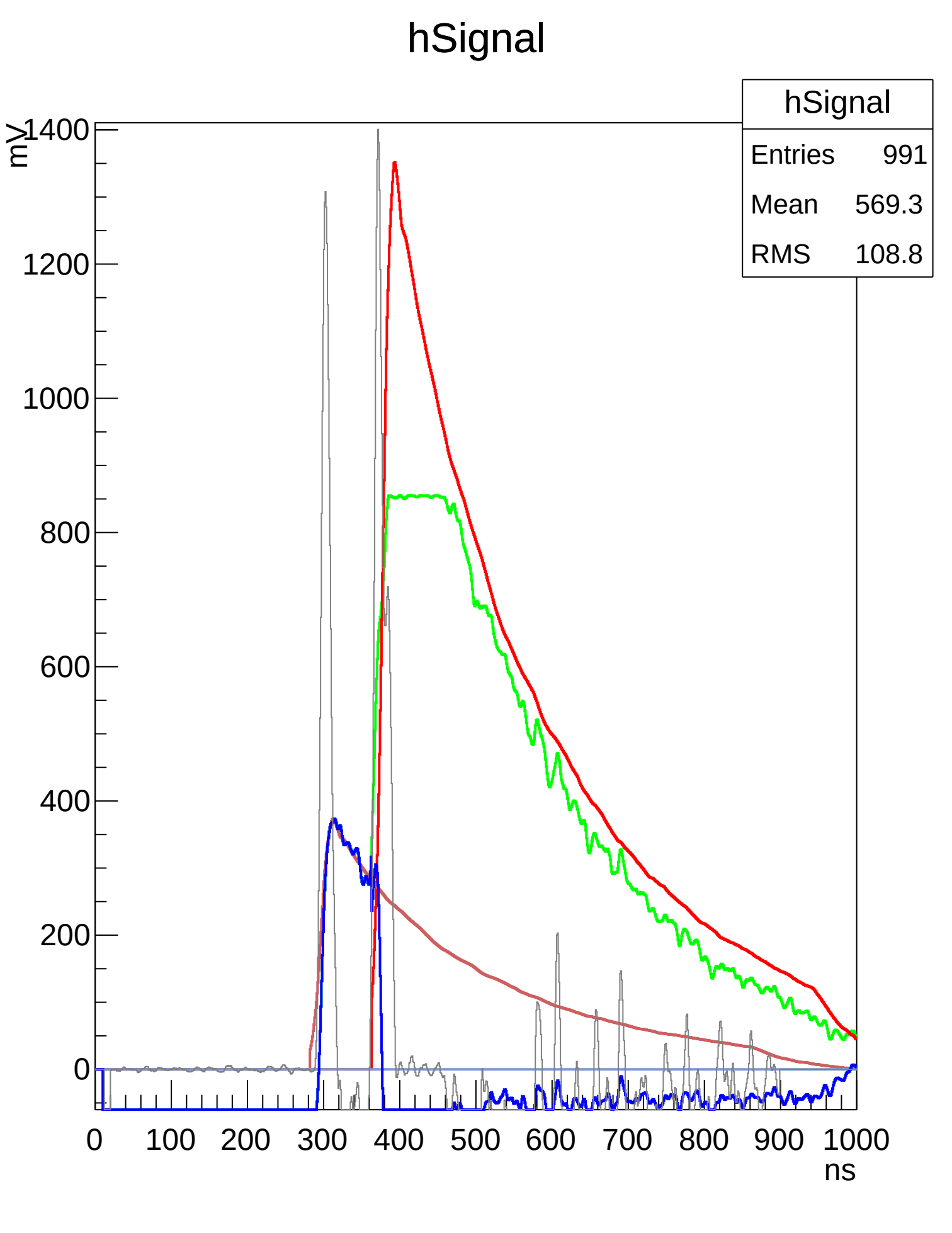

hSignal
hSignal
Entries 991
Mean 620.6
RMS 140.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

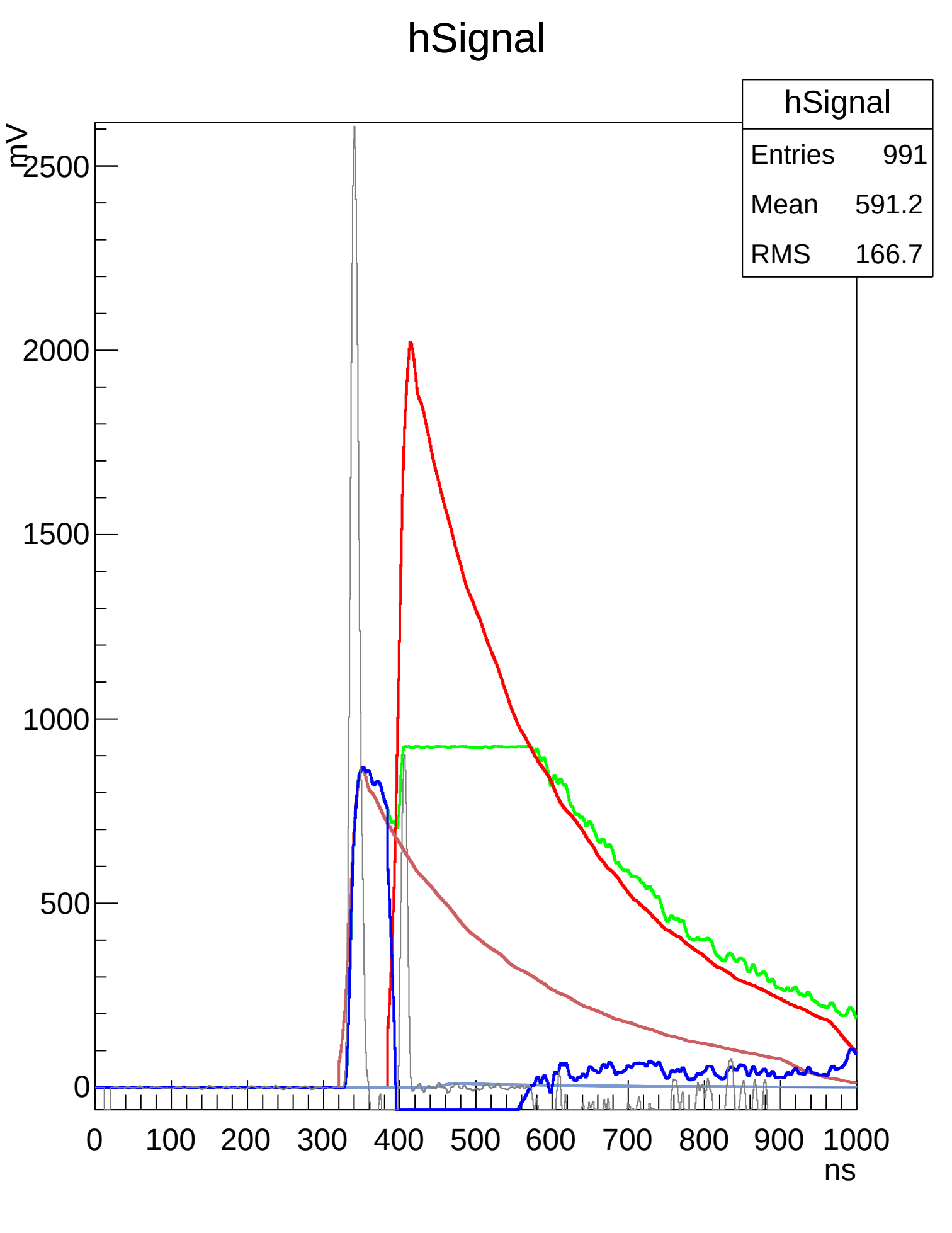

hSignal
hSignal
Entries 991
Mean 563.9
RMS 163
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

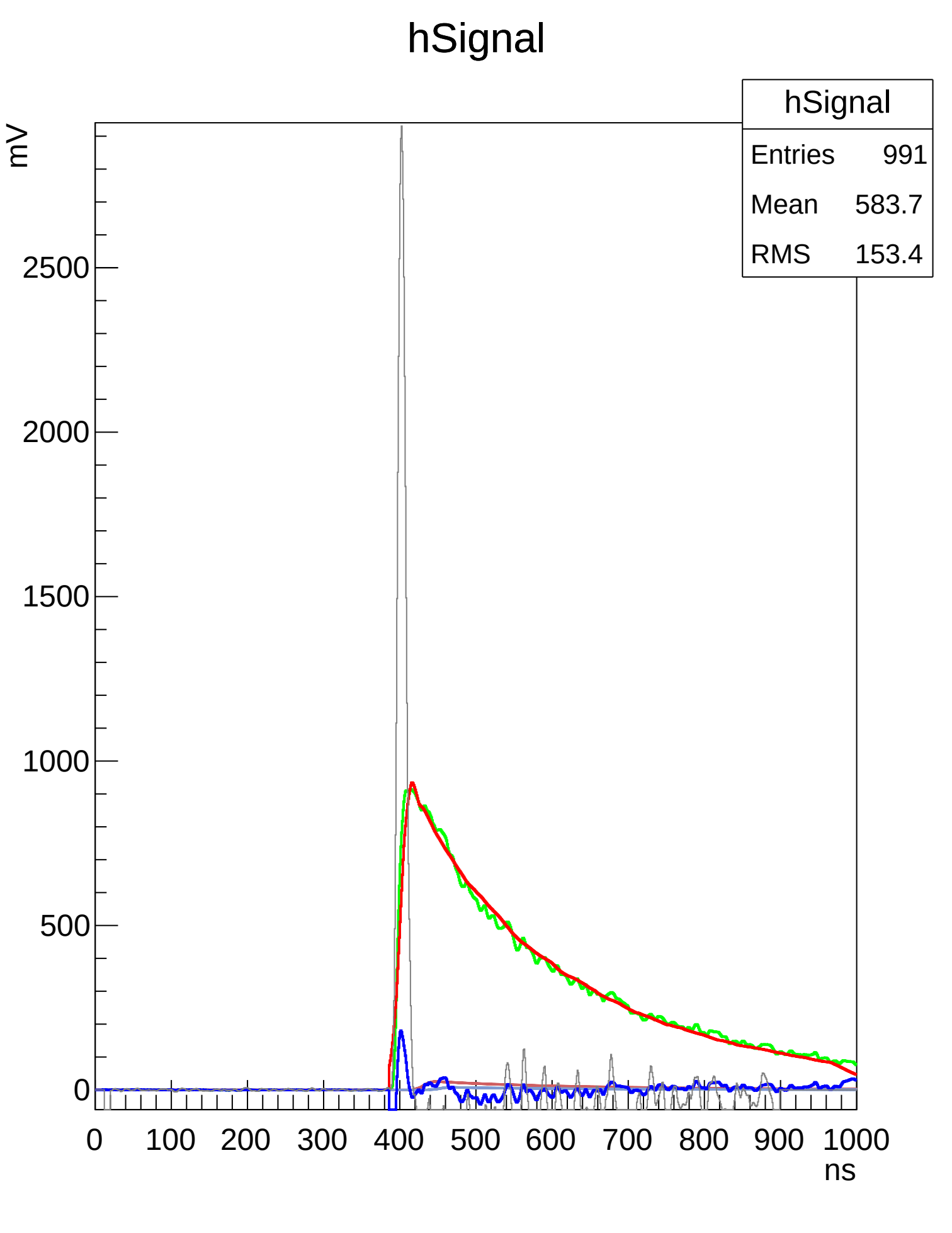

hSignal
hSignal
Entries 991
Mean 618.7
RMS 152.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

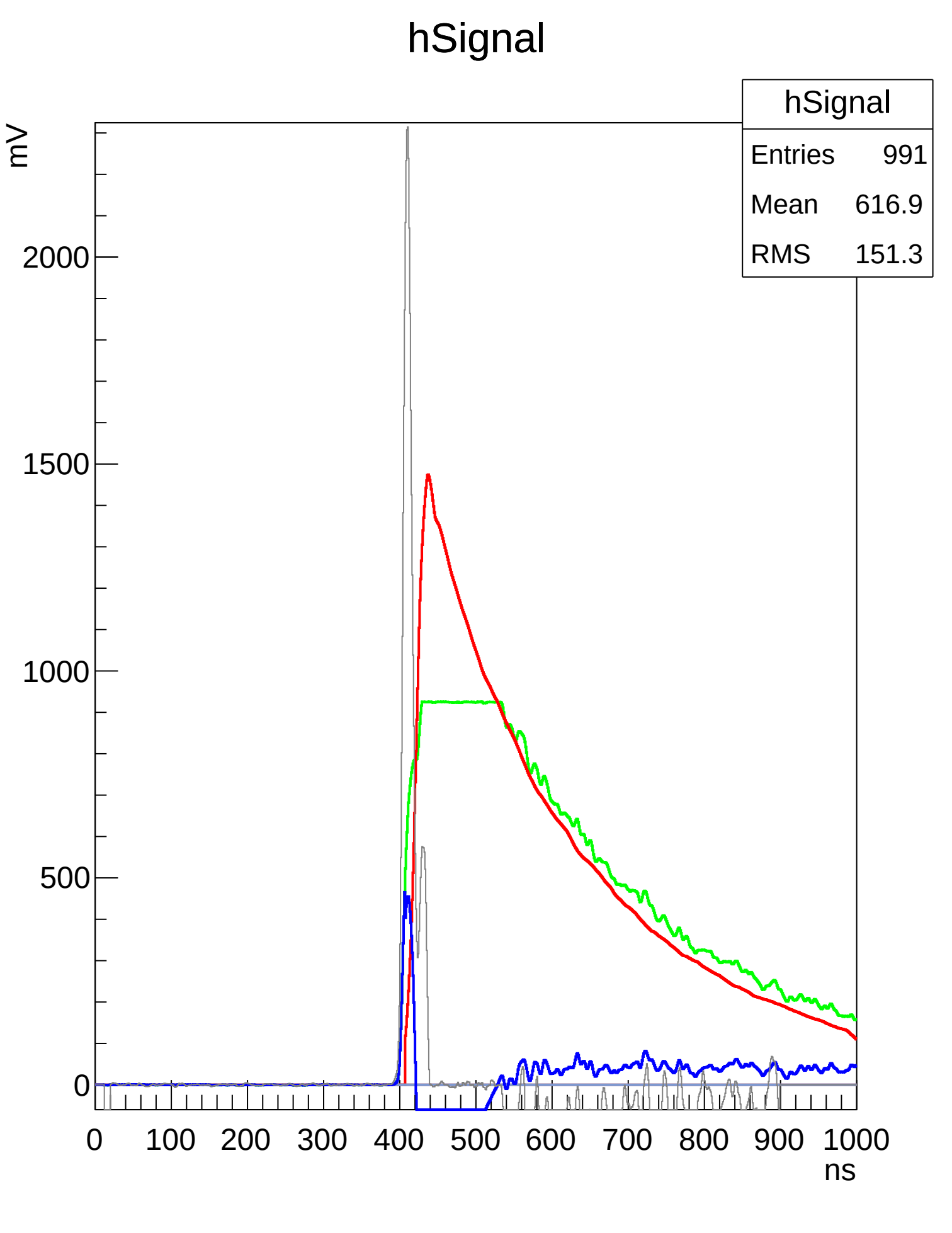

hSignal
hSignal
Entries 991
Mean 584
RMS 153.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

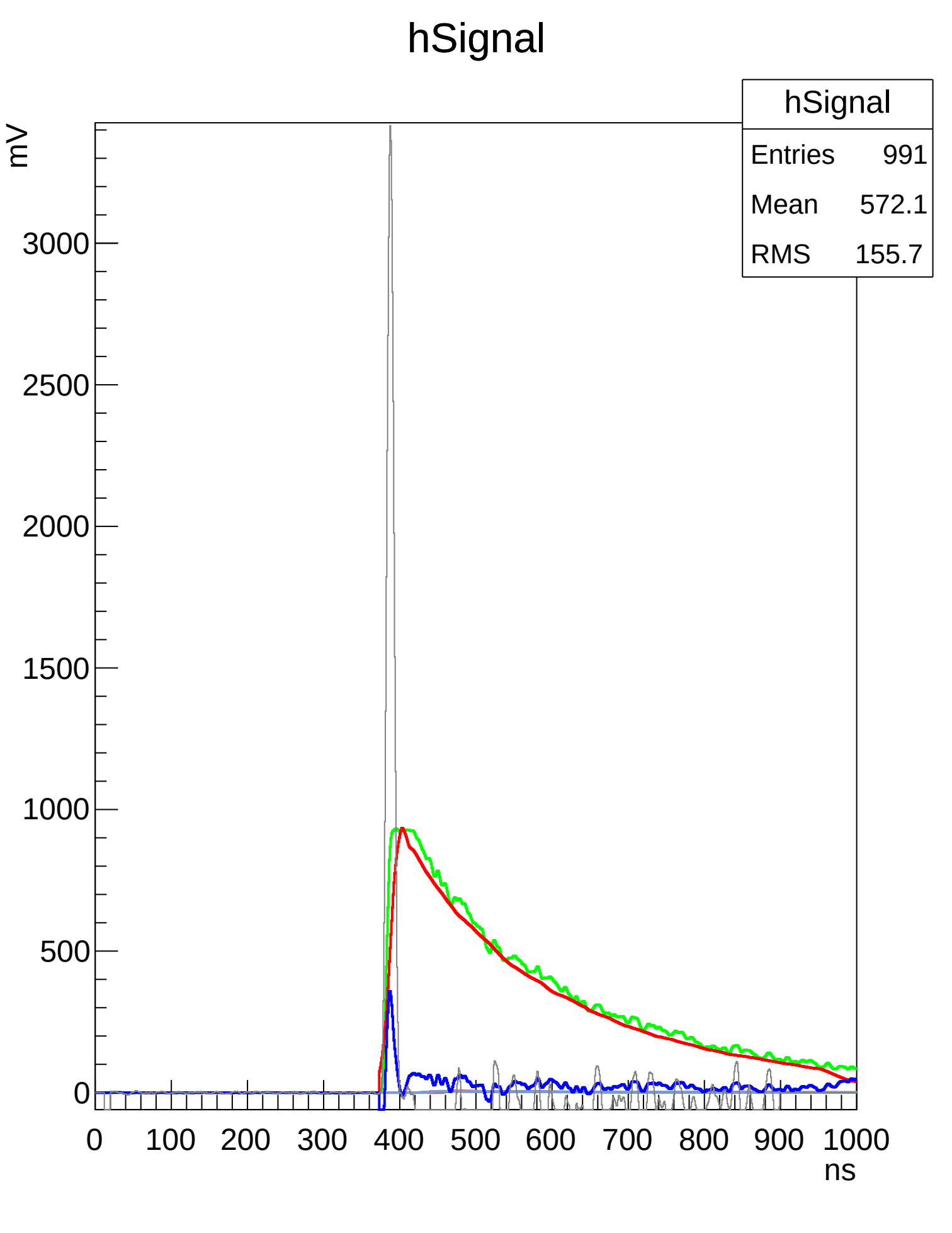

hSignal
hSignal
Entries 991
Mean 502.8
RMS 174.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

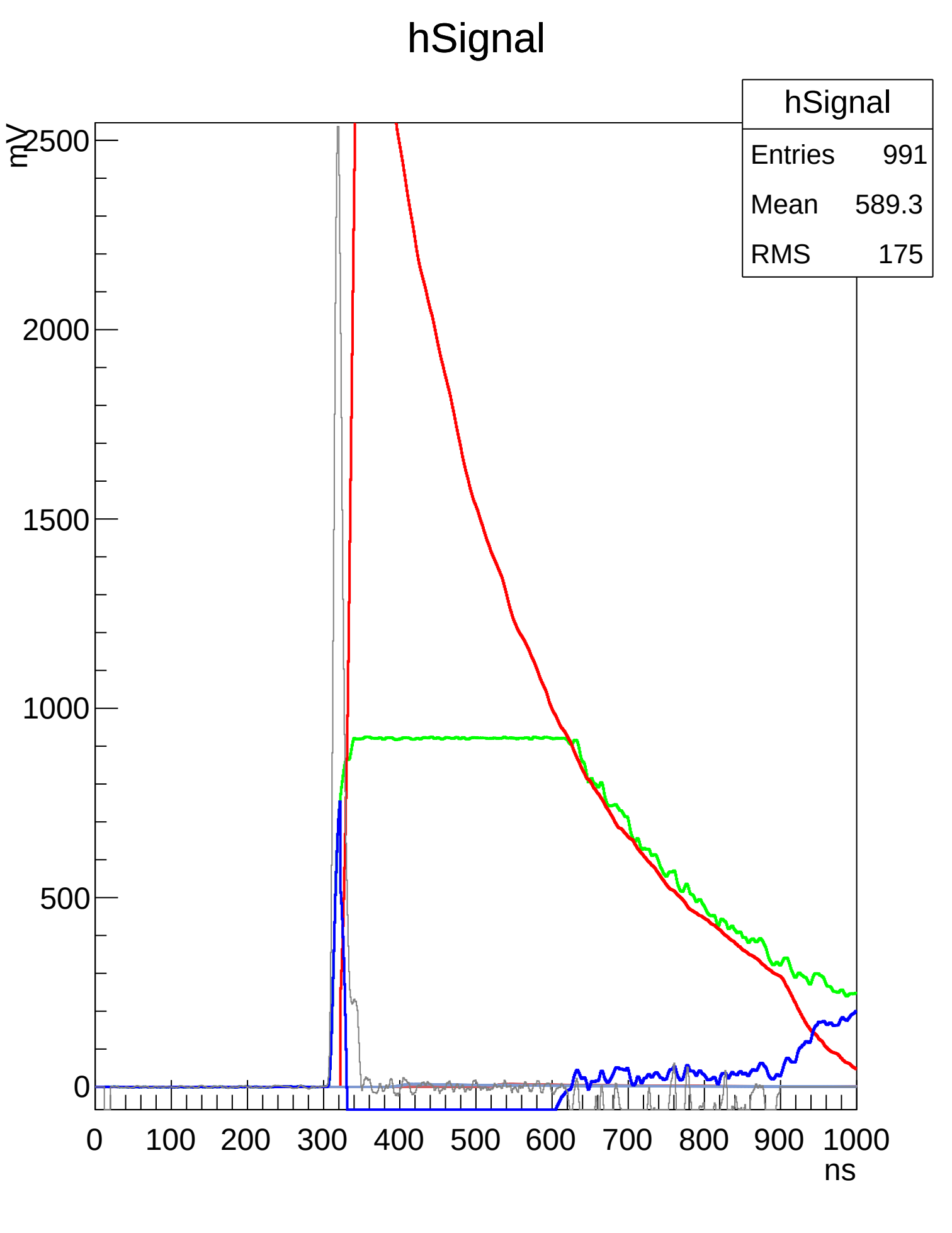

hSignal
hSignal
Entries 991
Mean 569.3
RMS 108.8
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

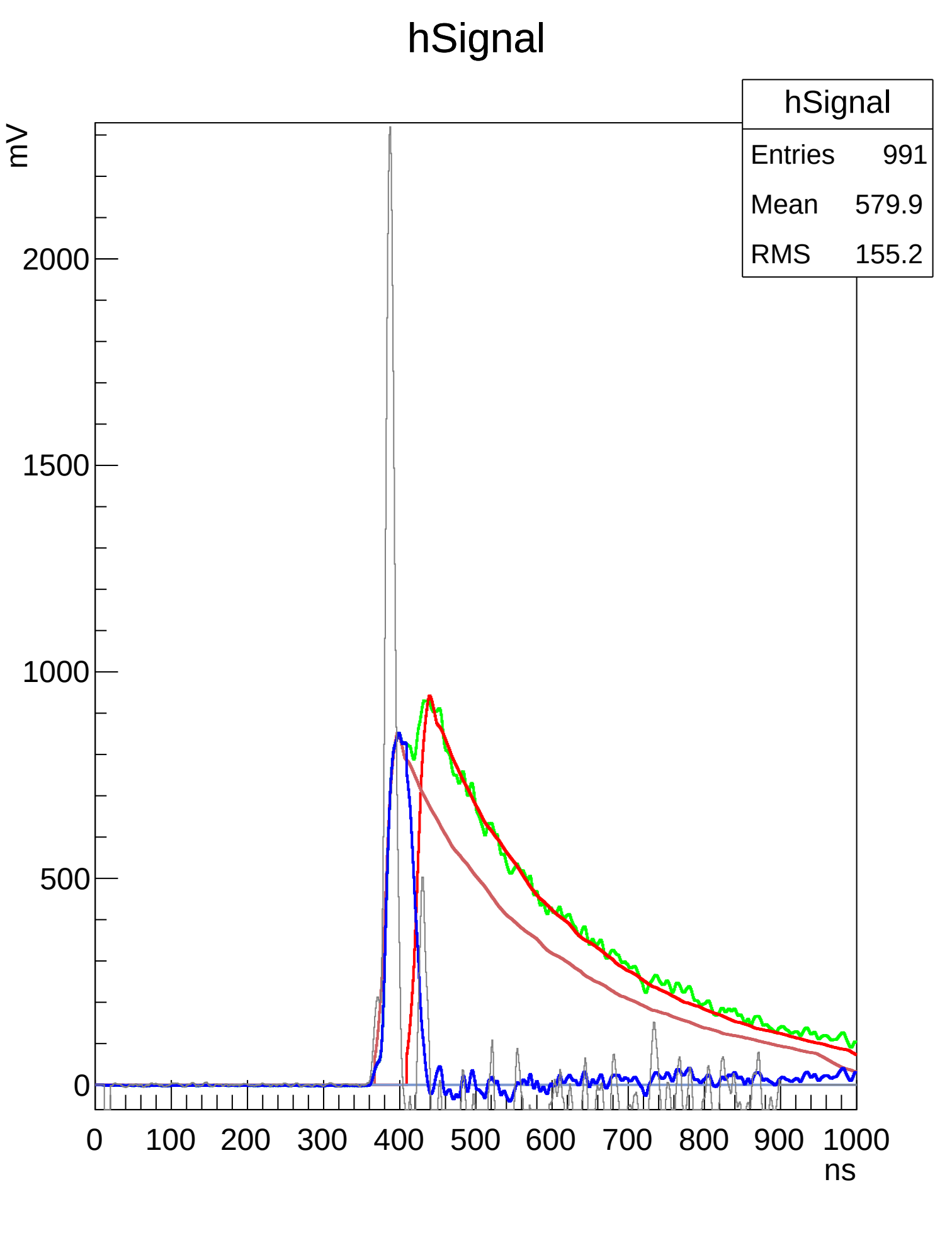

hSignal
hSignal
Entries 991
Mean 591.2
RMS 166.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

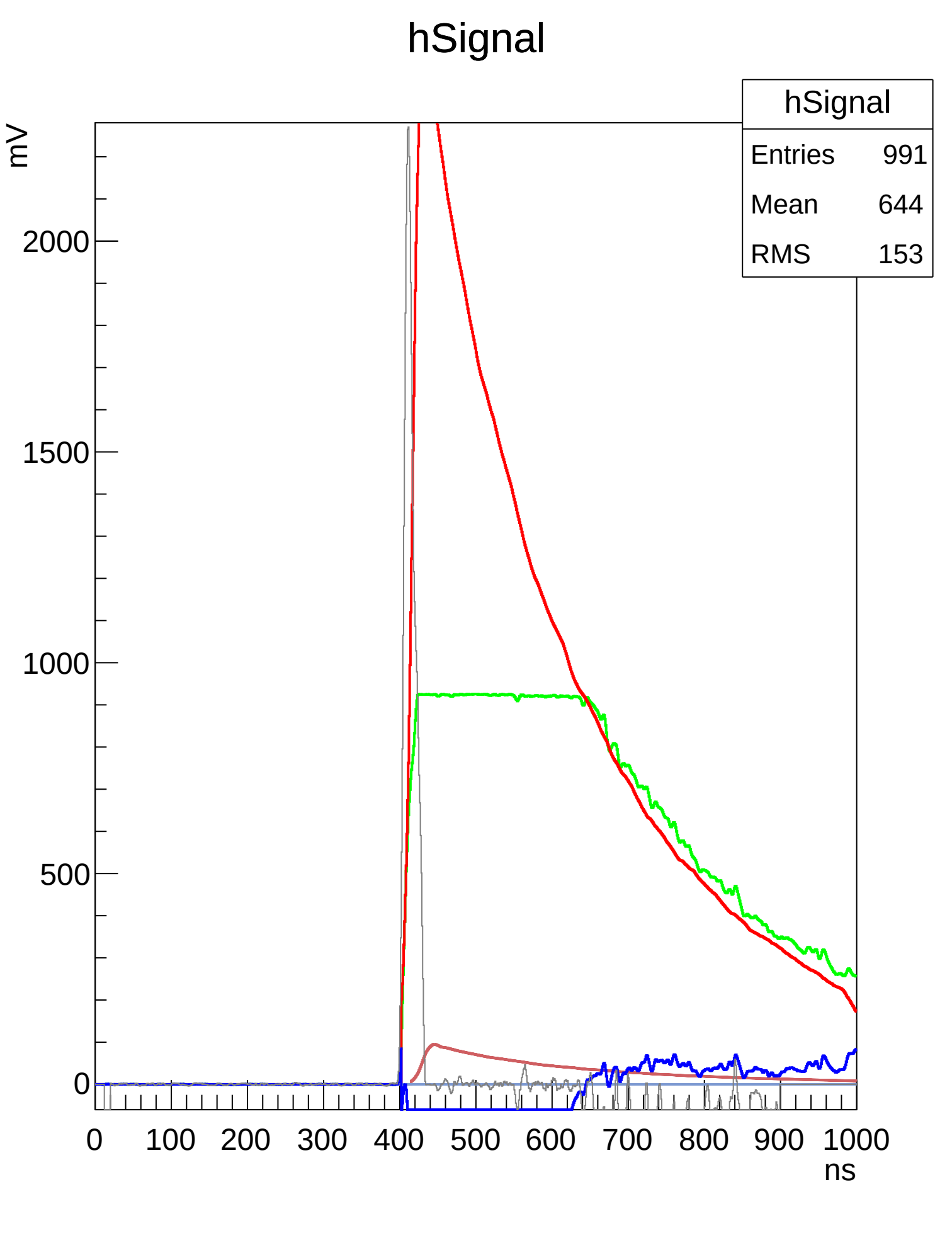

hSignal
hSignal
Entries 991
Mean 583.7
RMS 153.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

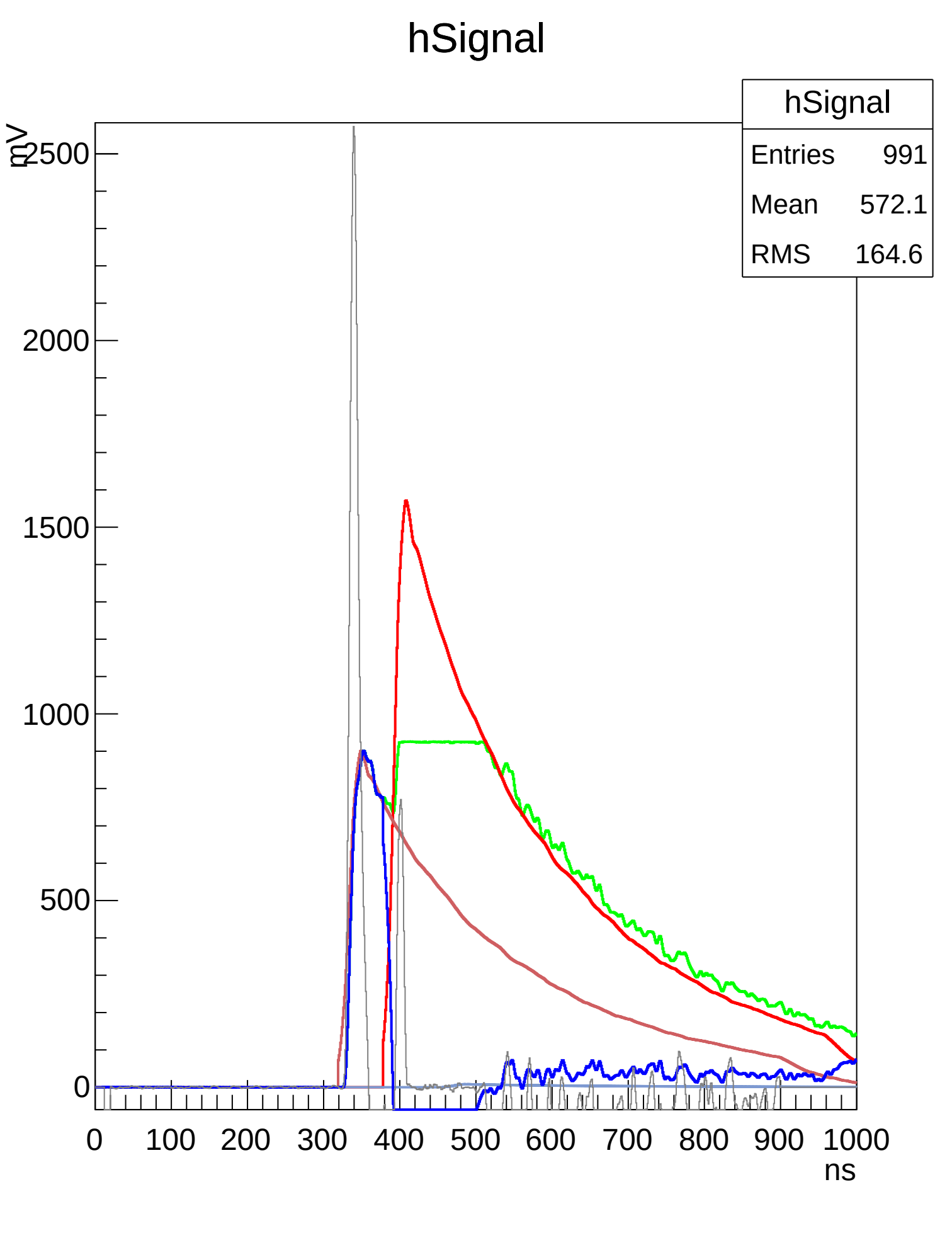

hSignal
hSignal
Entries 991
Mean 616.9
RMS 151.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

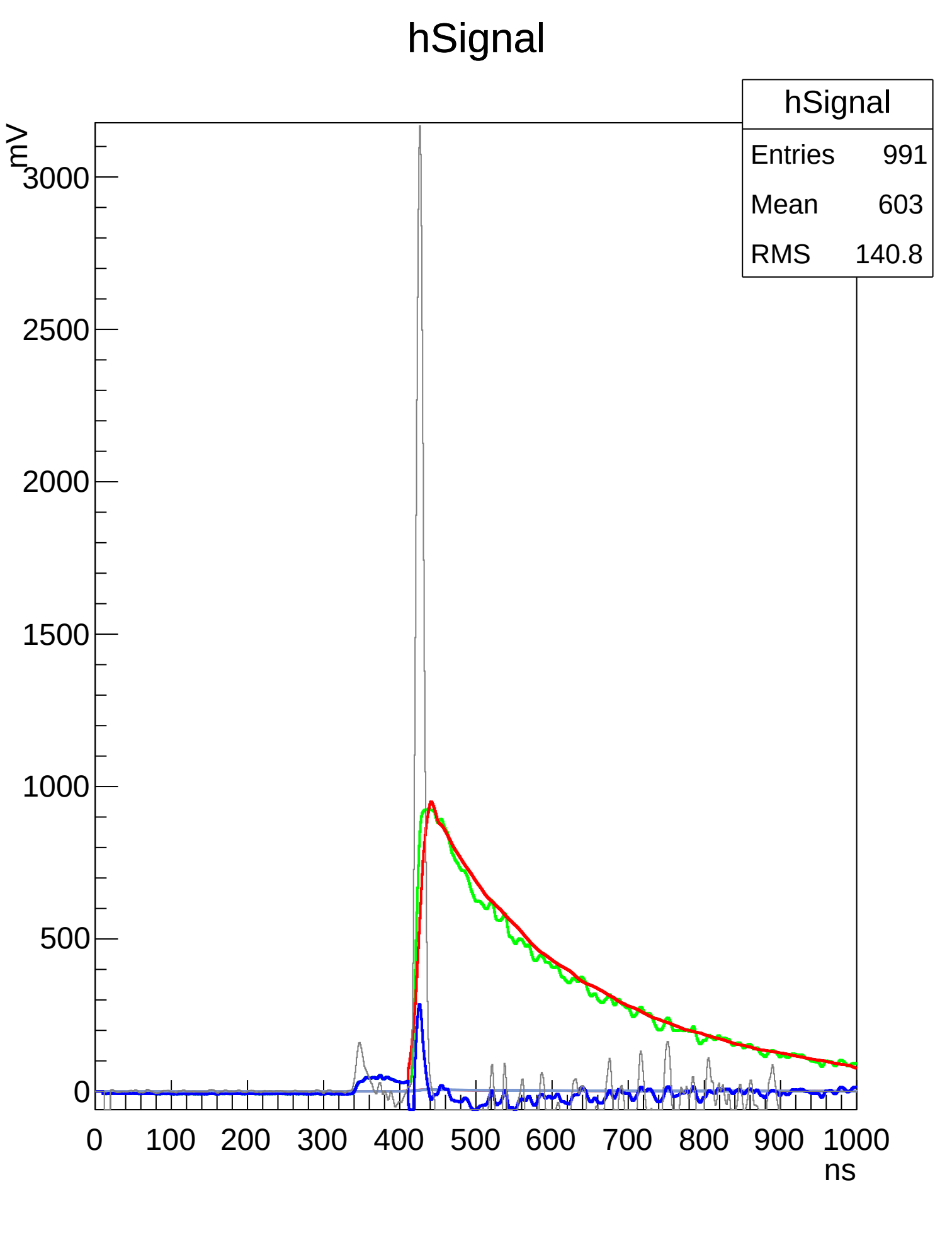

hSignal
hSignal
Entries 991
Mean 572.1
RMS 155.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

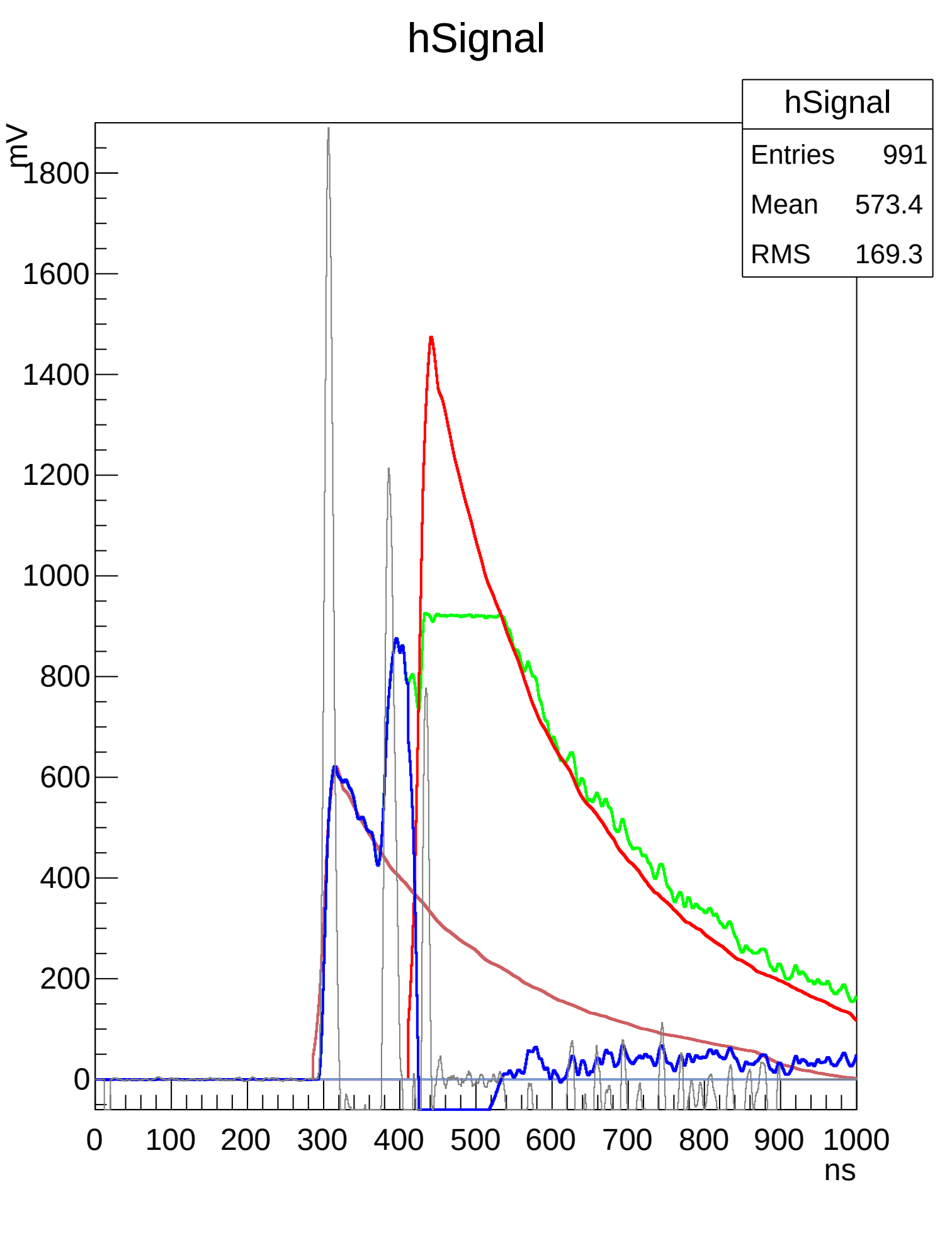

hSignal
hSignal
Entries 991
Mean 589.3
RMS 175
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

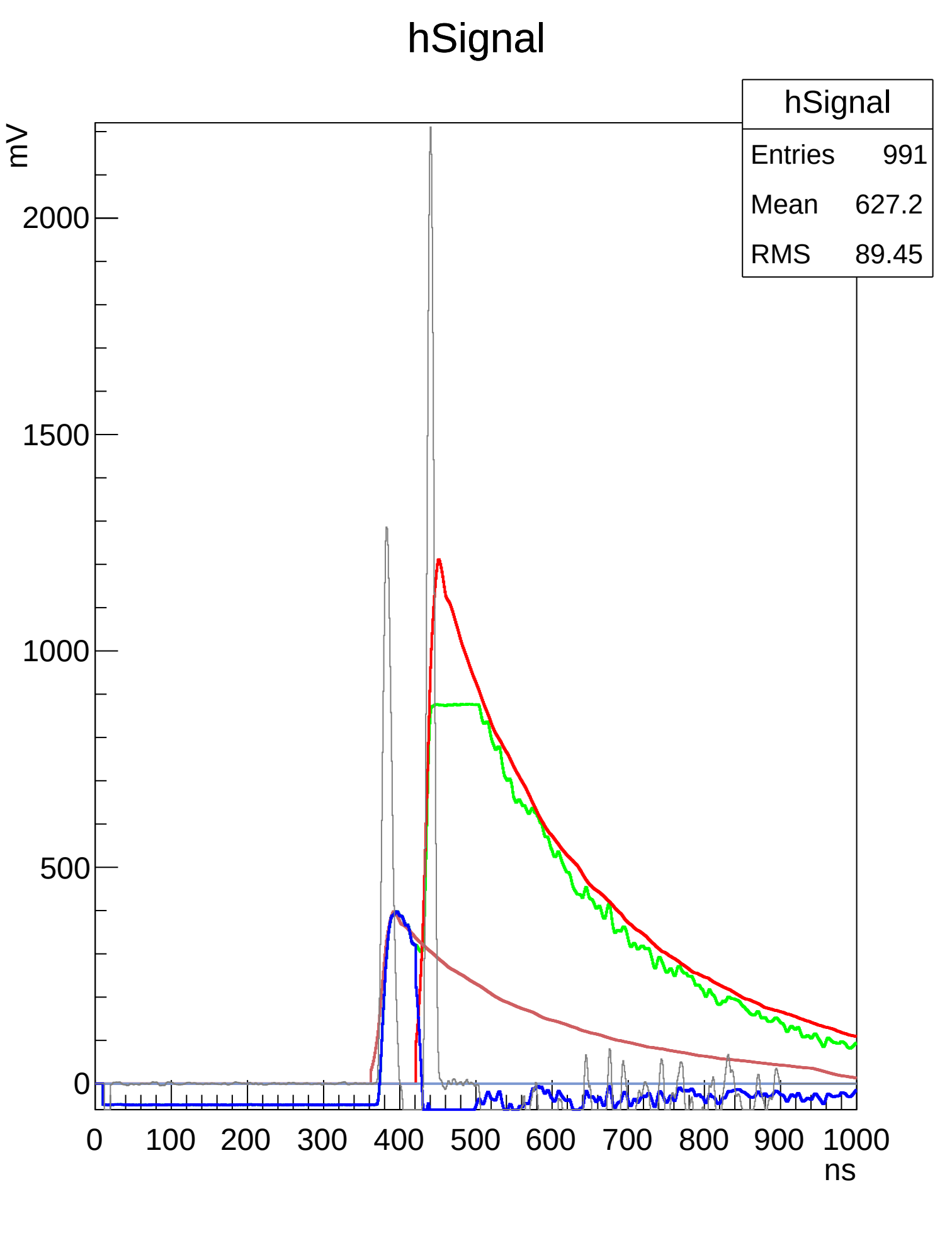

hSignal
hSignal
Entries 991
Mean 579.9
RMS 155.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

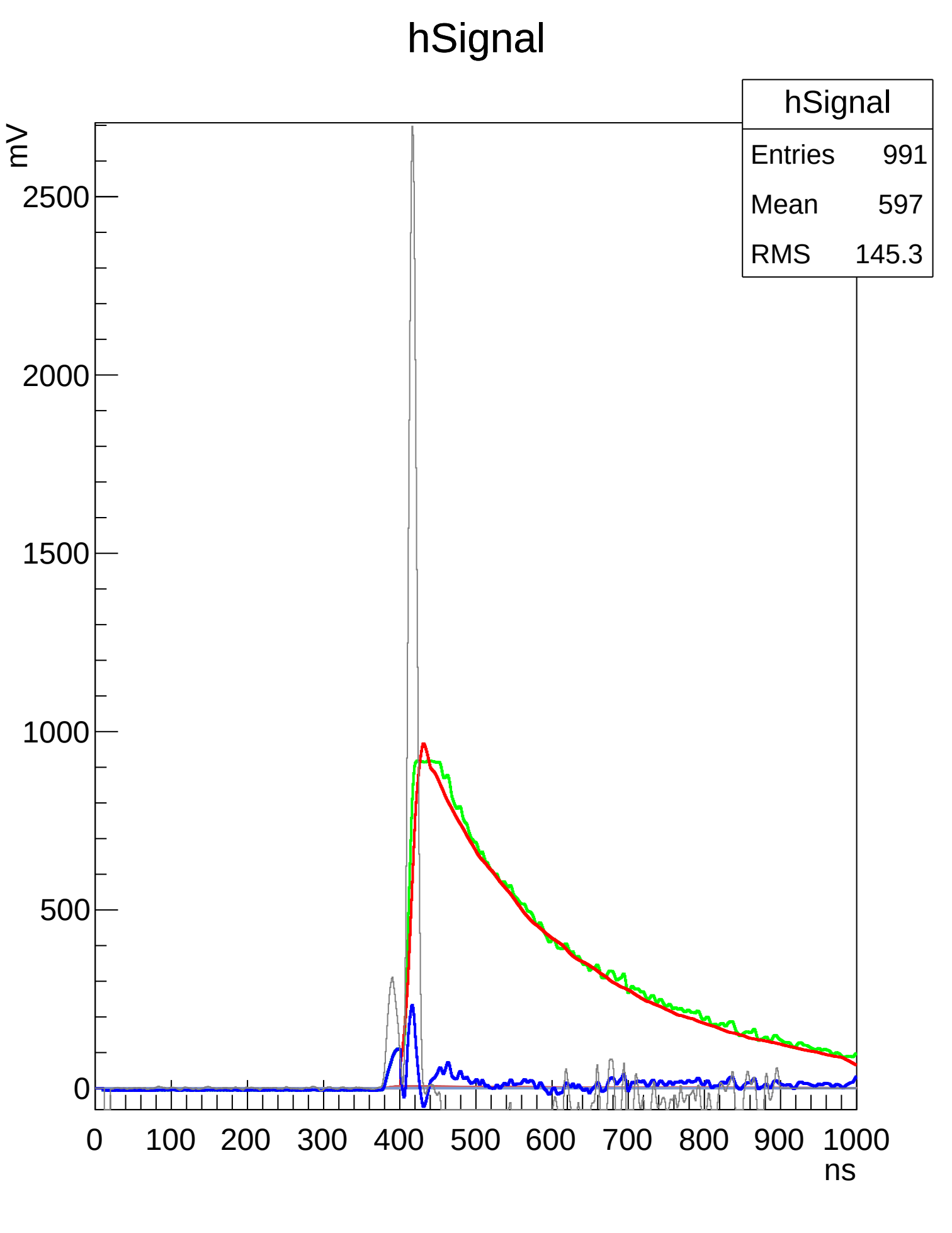

hSignal
hSignal
Entries 991
Mean 644
RMS 153
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

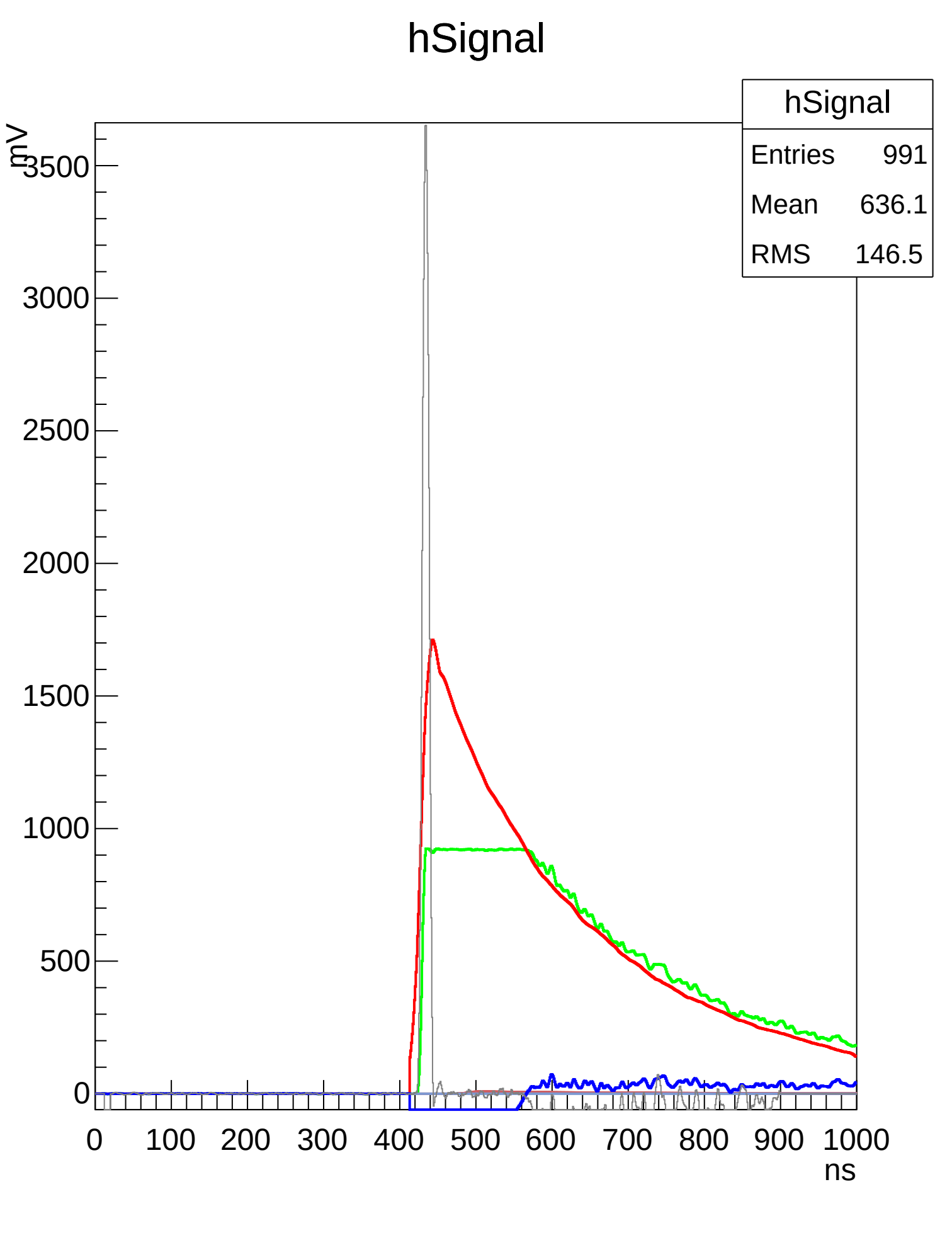

hSignal
hSignal
Entries 991
Mean 572.1
RMS 164.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

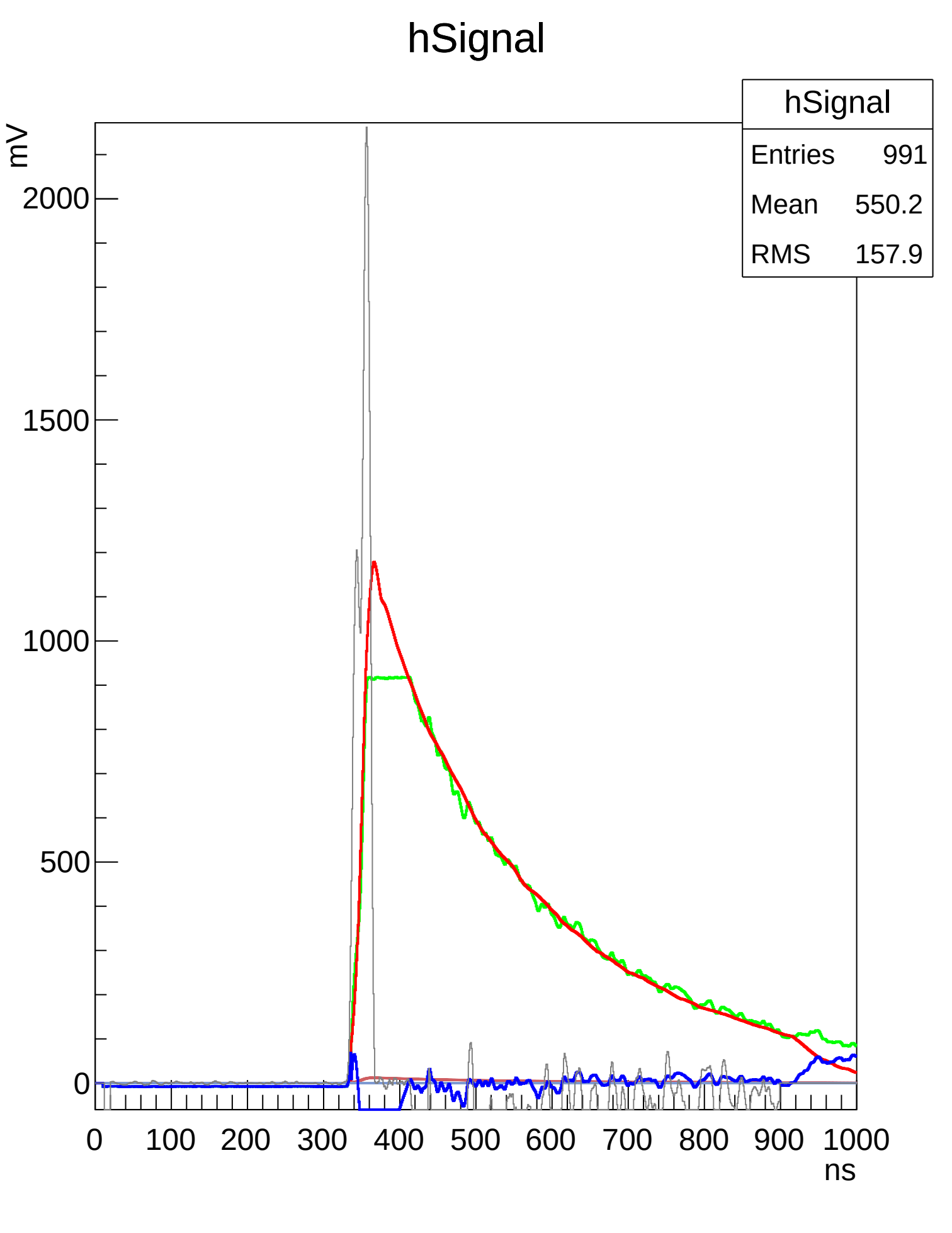

hSignal
hSignal
Entries 991
Mean 603
RMS 140.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

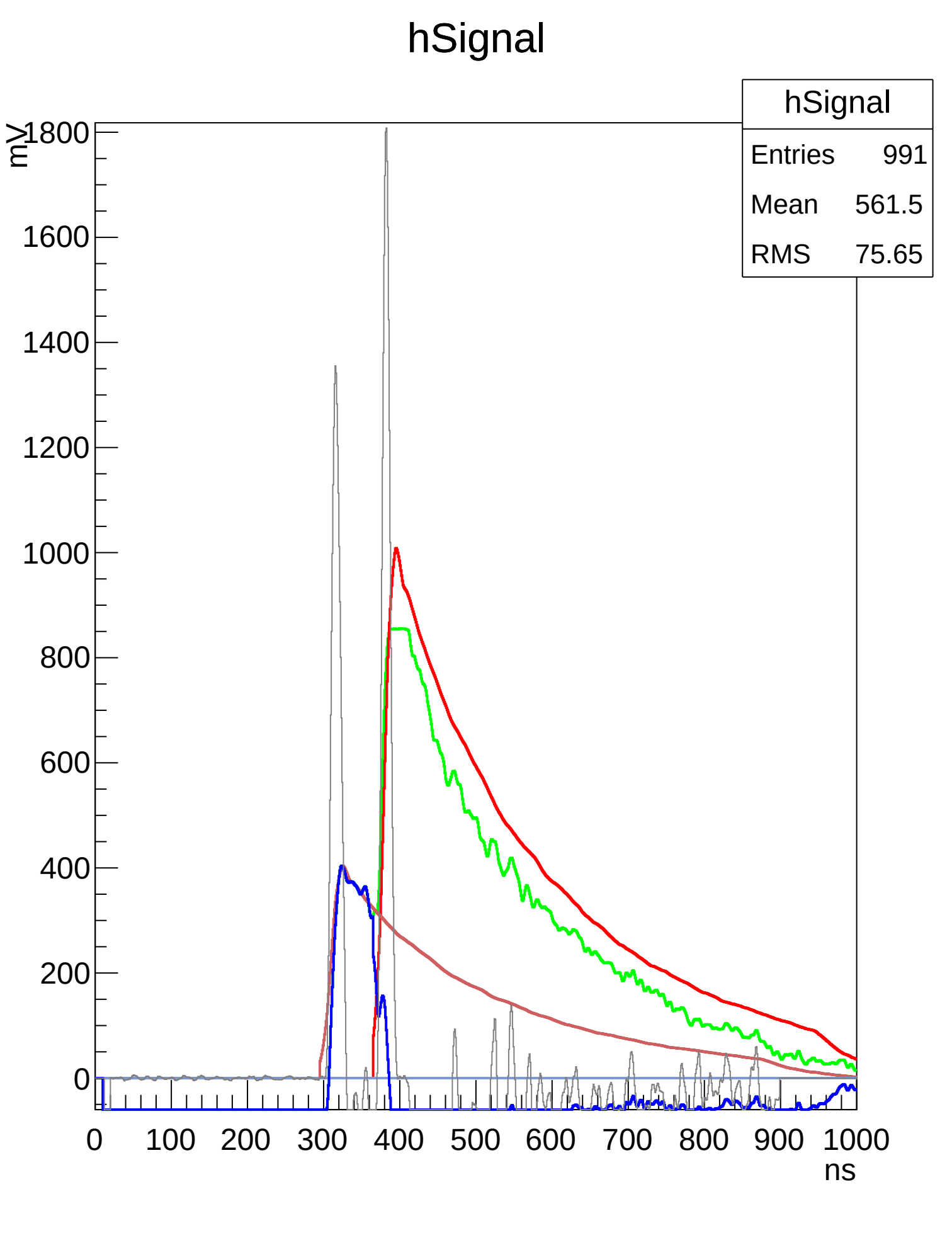

hSignal
hSignal
Entries 991
Mean 573.4
RMS 169.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

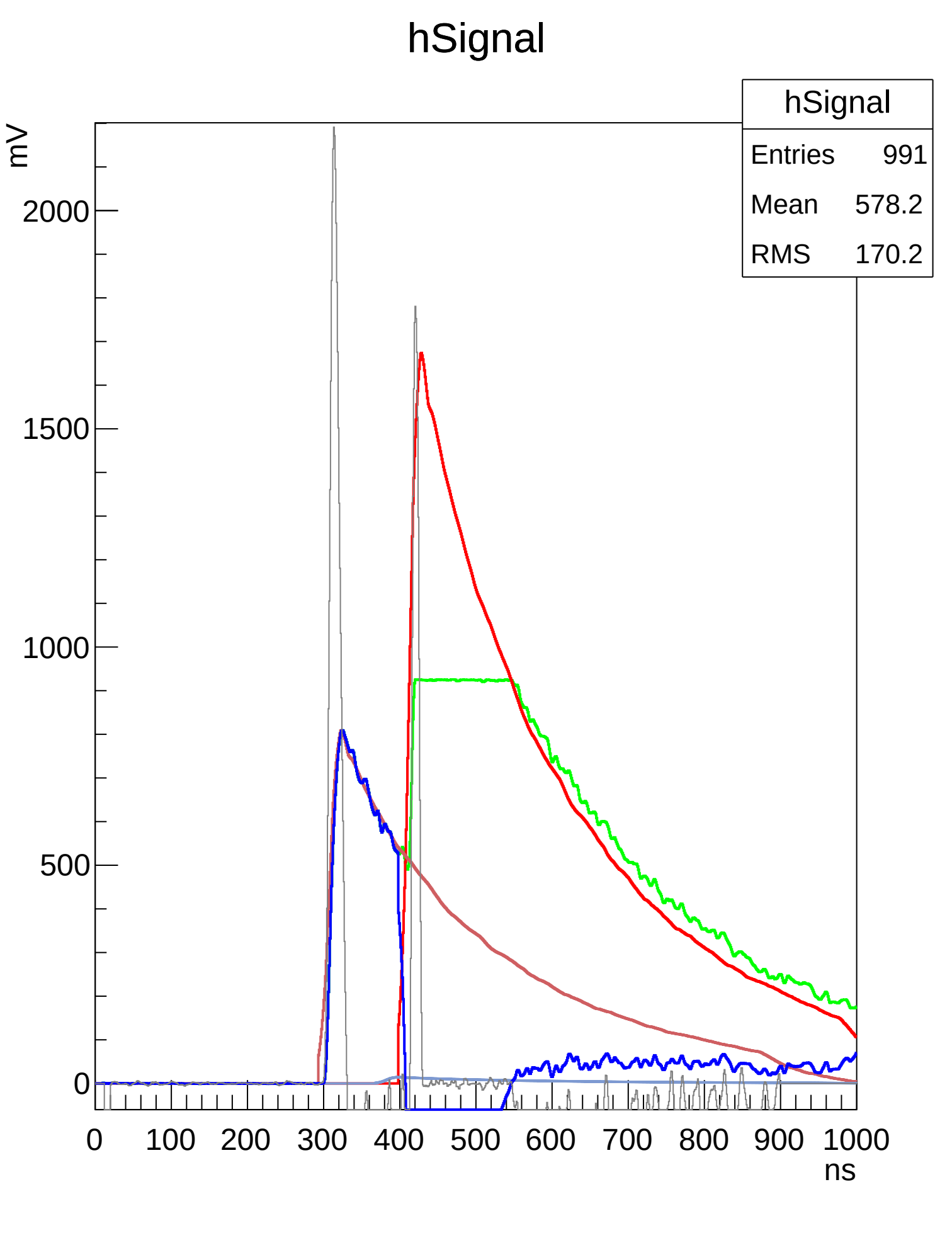

hSignal
hSignal
Entries 991
Mean 627.2
RMS 89.45
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

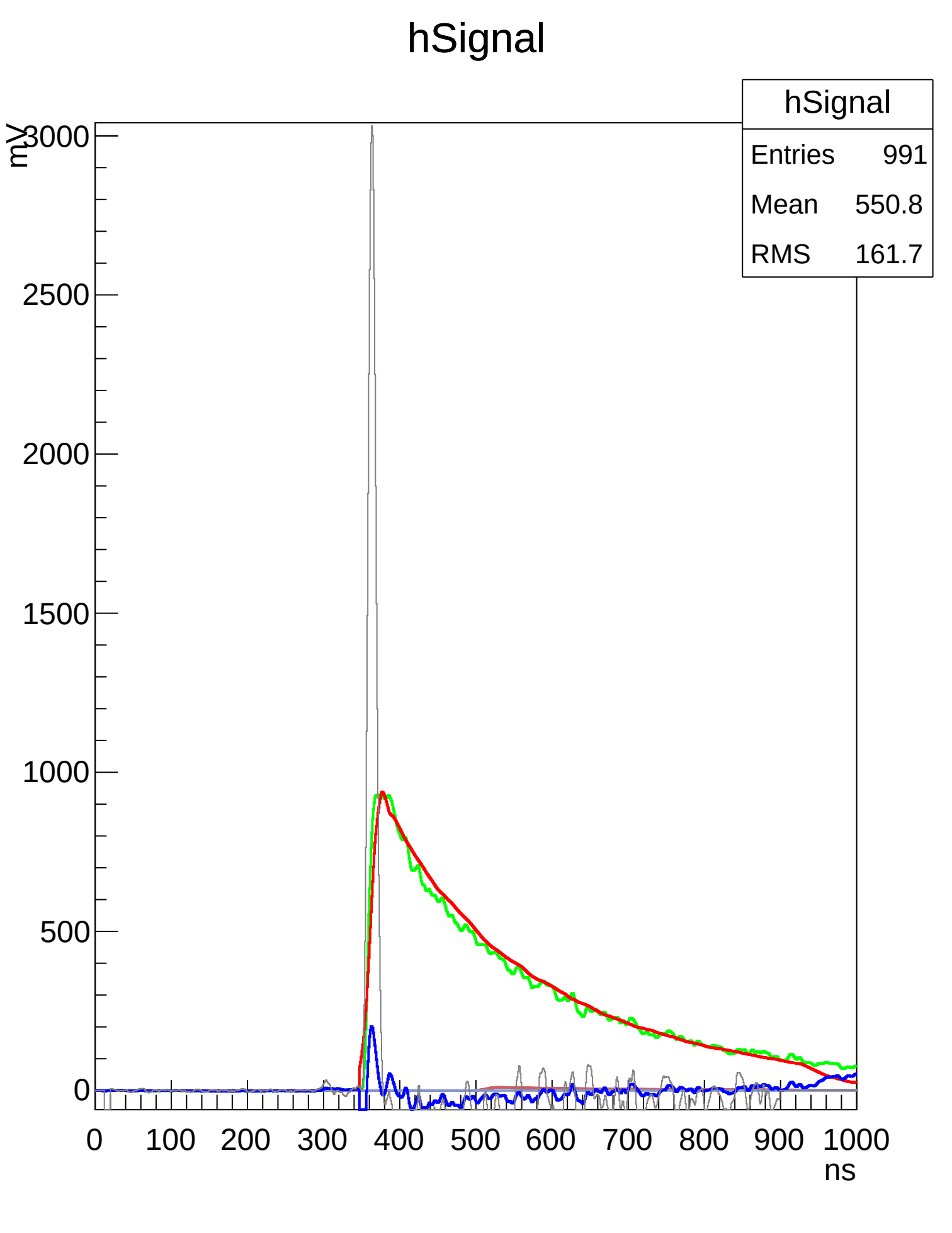

hSignal
hSignal
Entries 991
Mean 597
RMS 145.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

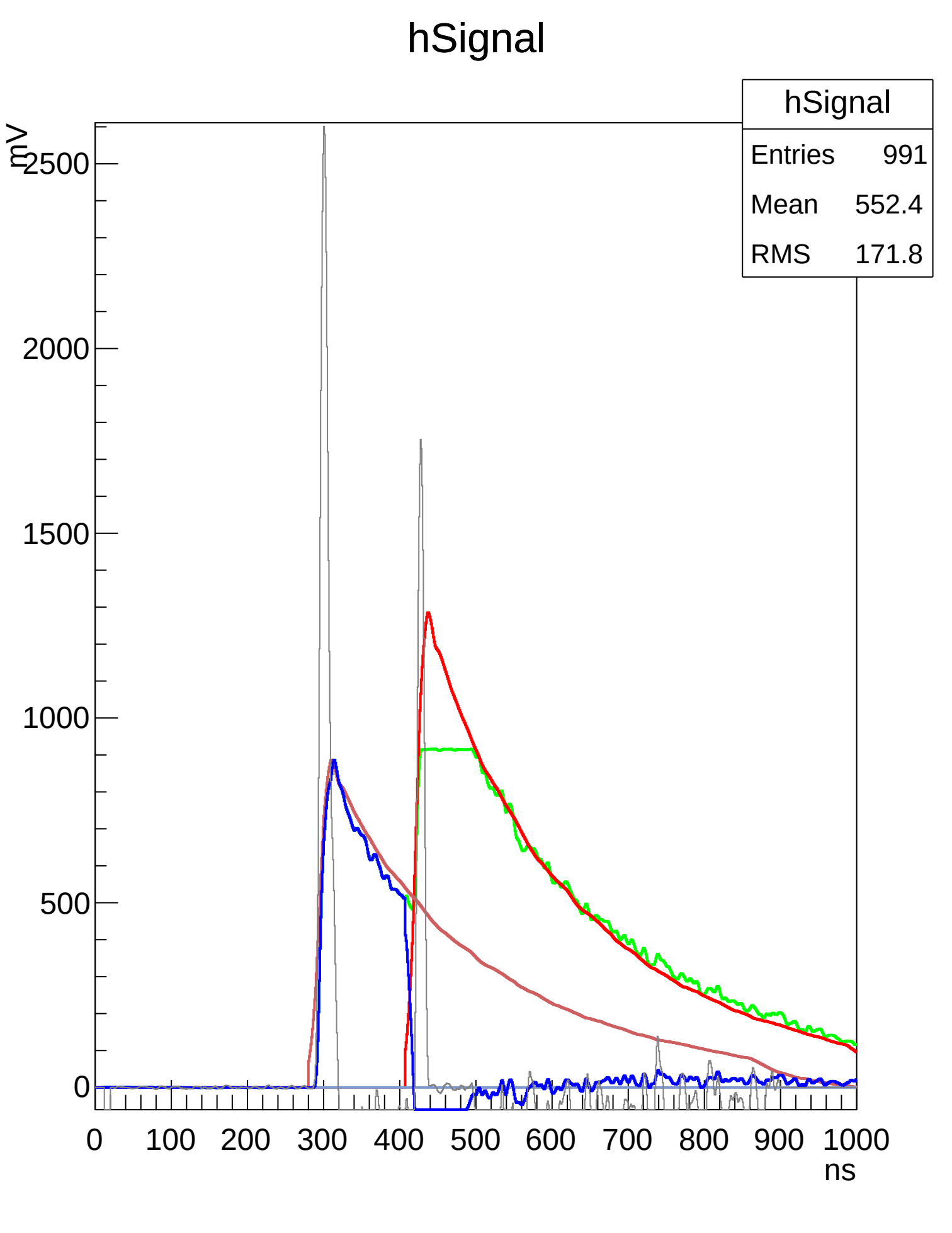

hSignal
hSignal
Entries 991
Mean 636.1
RMS 146.5
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

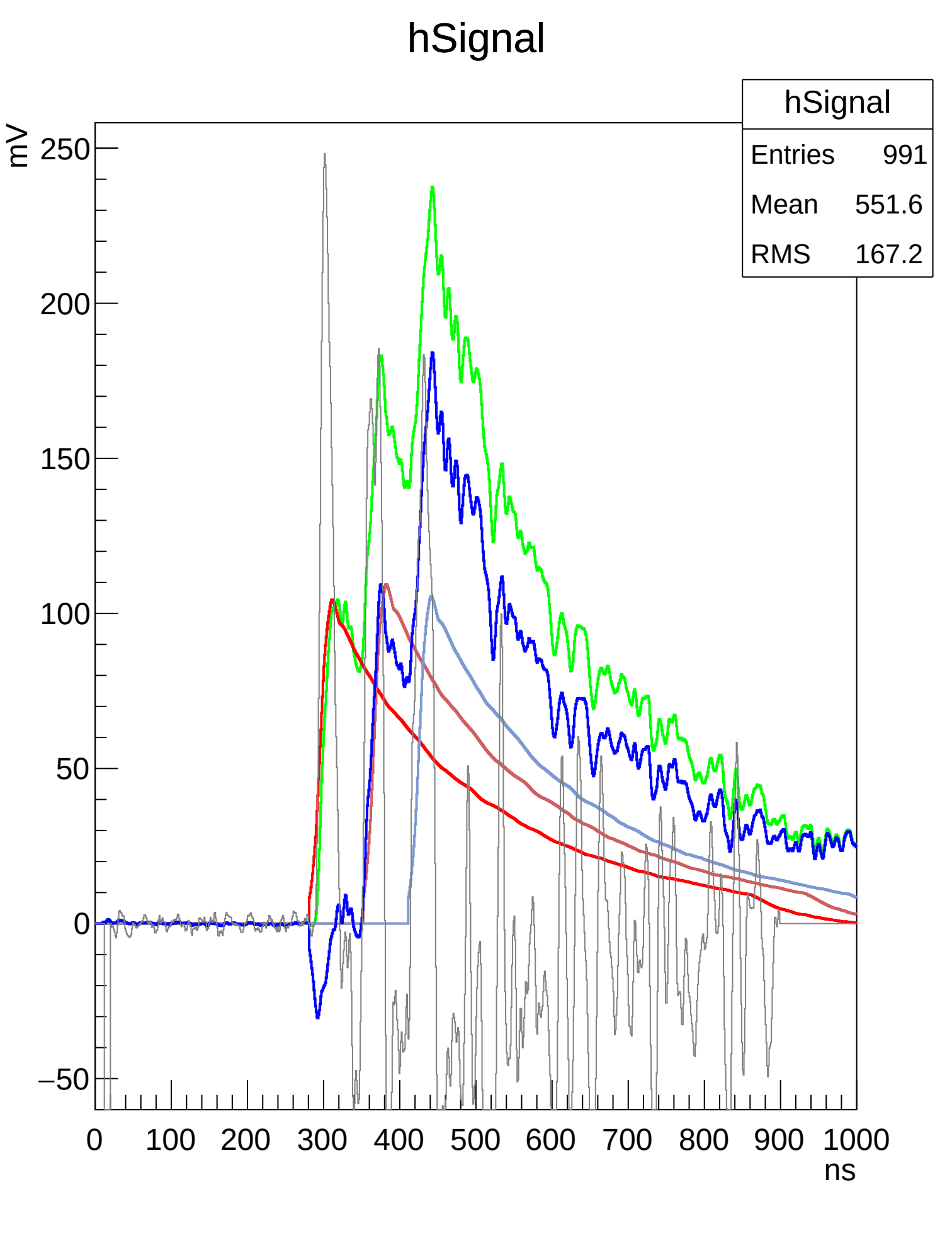

hSignal
hSignal
Entries 991
Mean 550.2
RMS 157.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

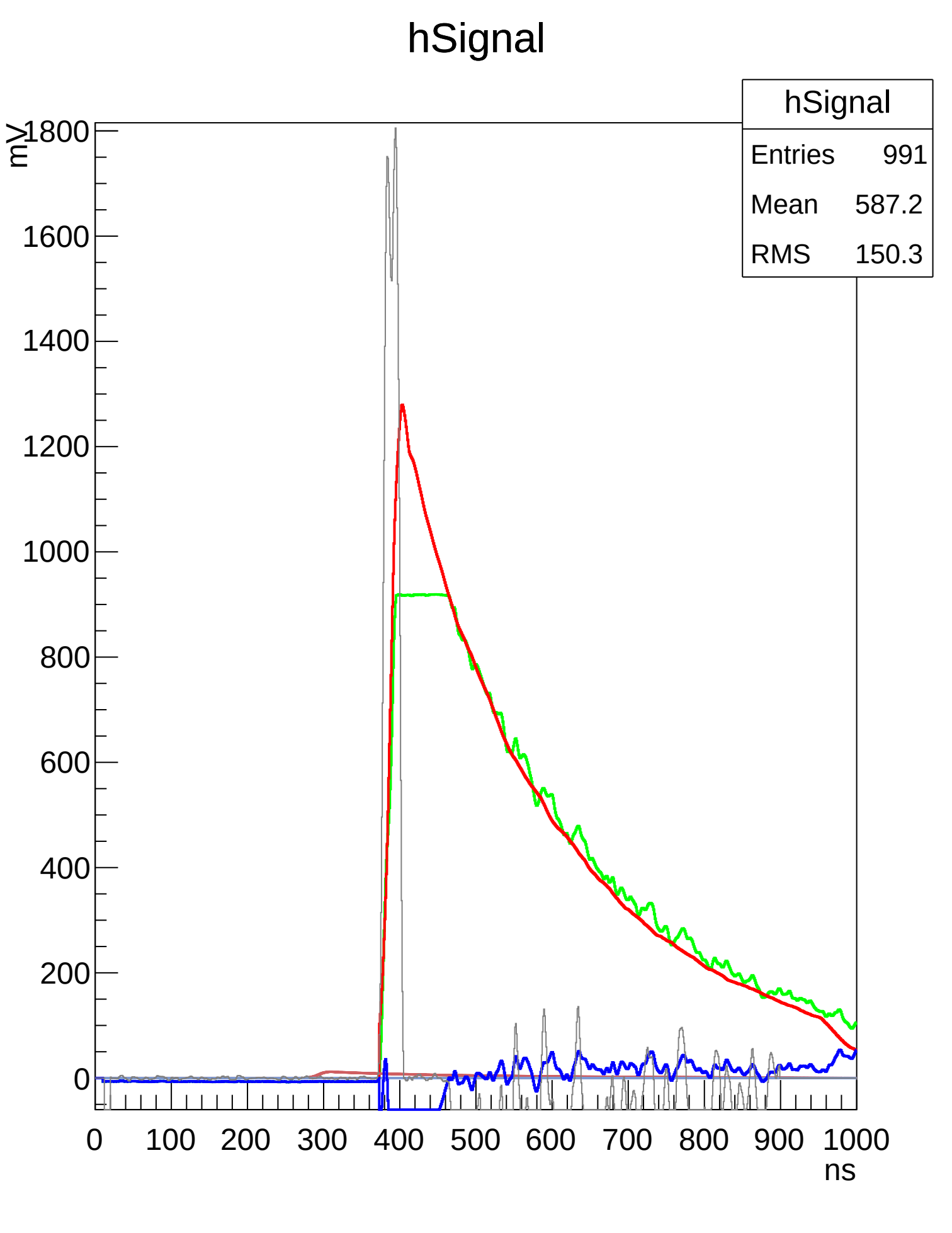

hSignal
hSignal
Entries 991
Mean 561.5
RMS 75.65
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

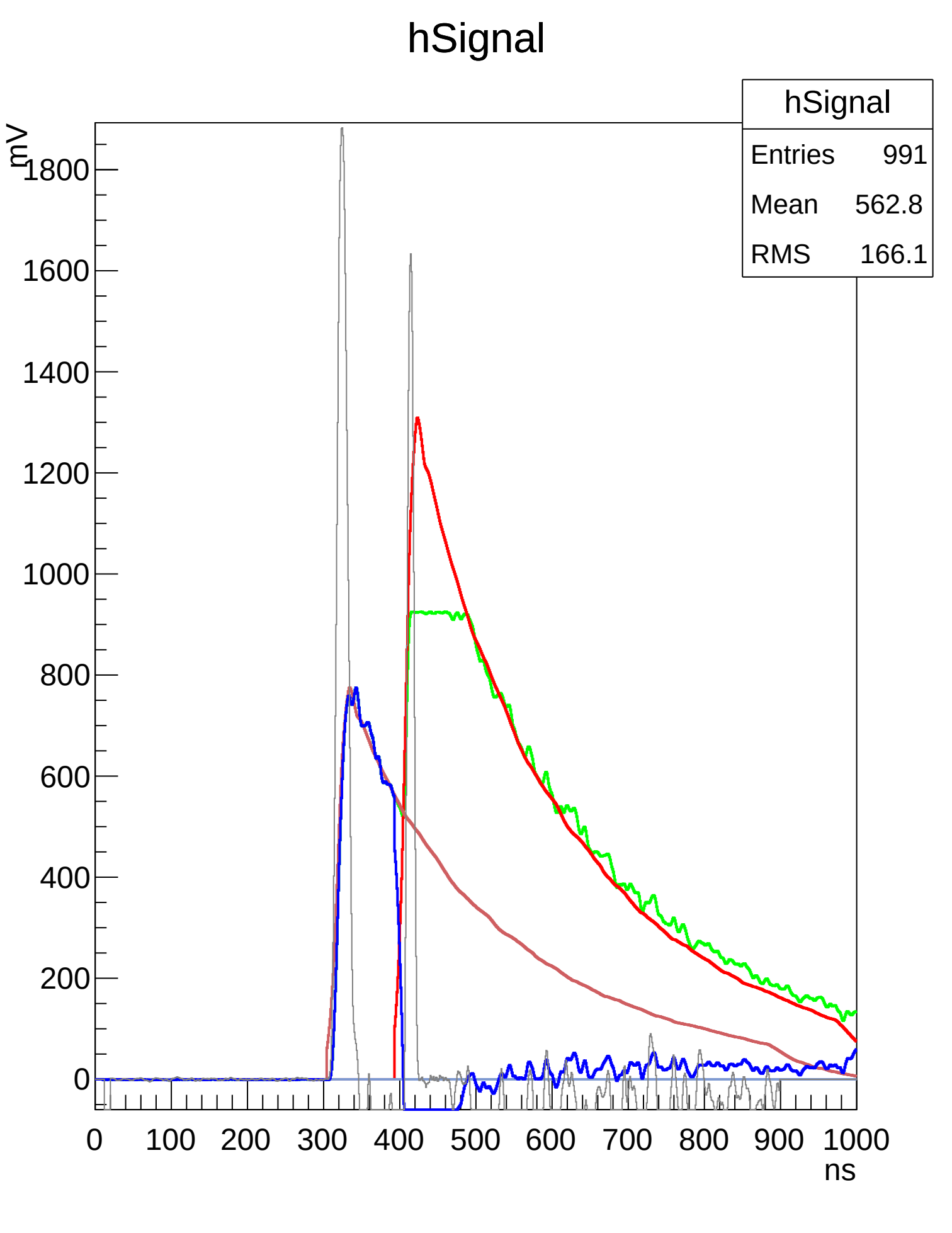

hSignal
hSignal
Entries 991
Mean 578.2
RMS 170.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

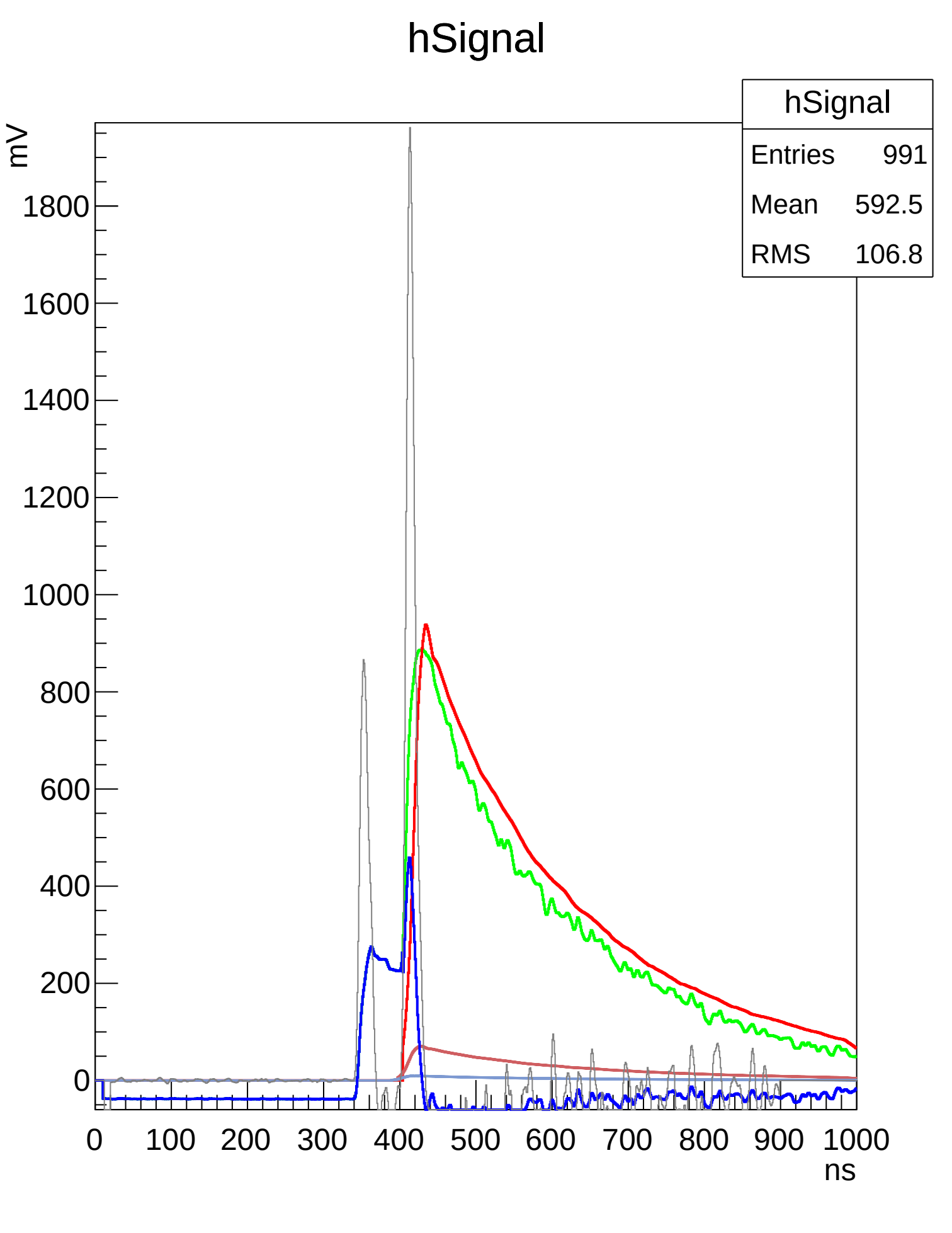

hSignal
hSignal
Entries 991
Mean 550.8
RMS 161.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

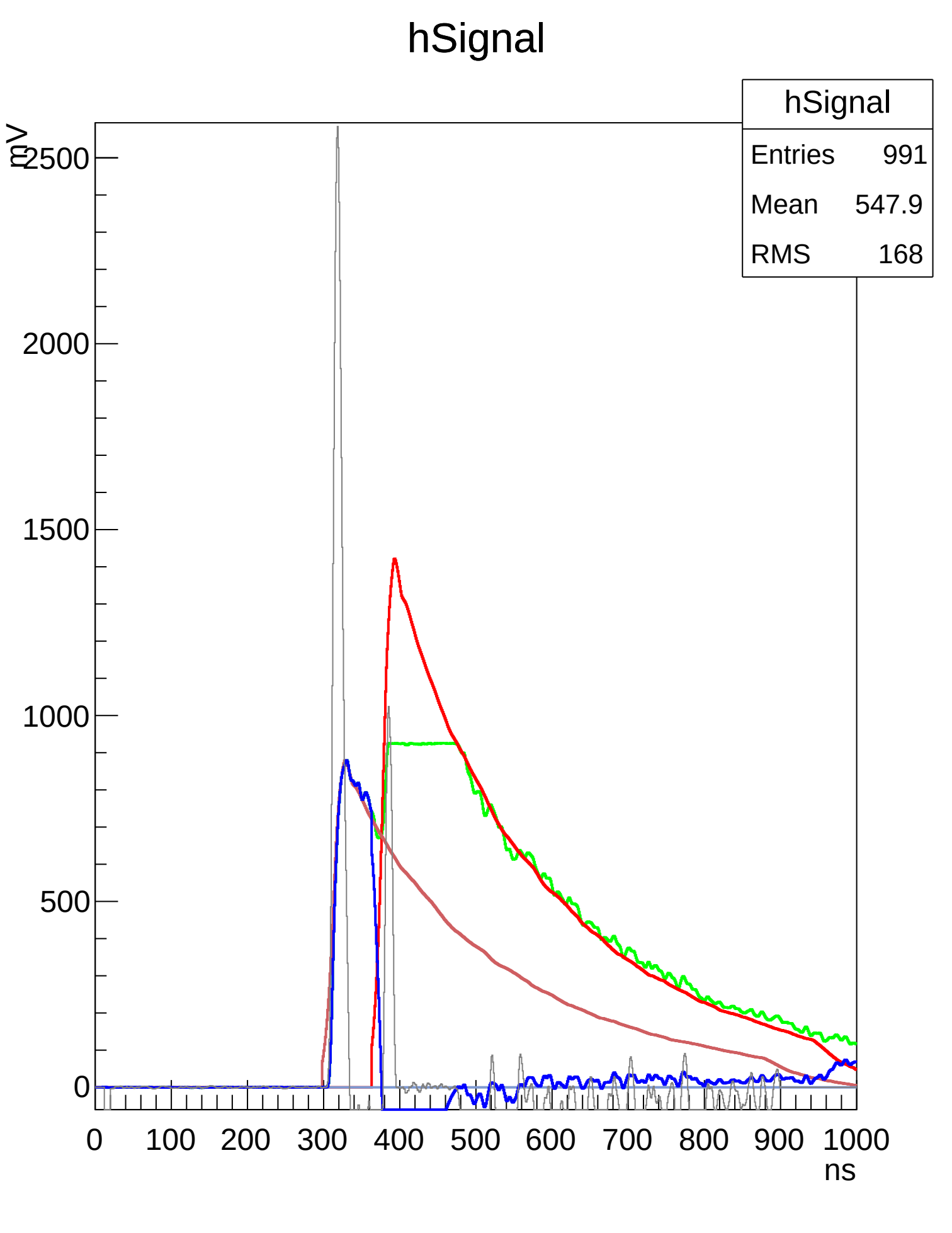

hSignal
hSignal
Entries 991
Mean 552.4
RMS 171.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

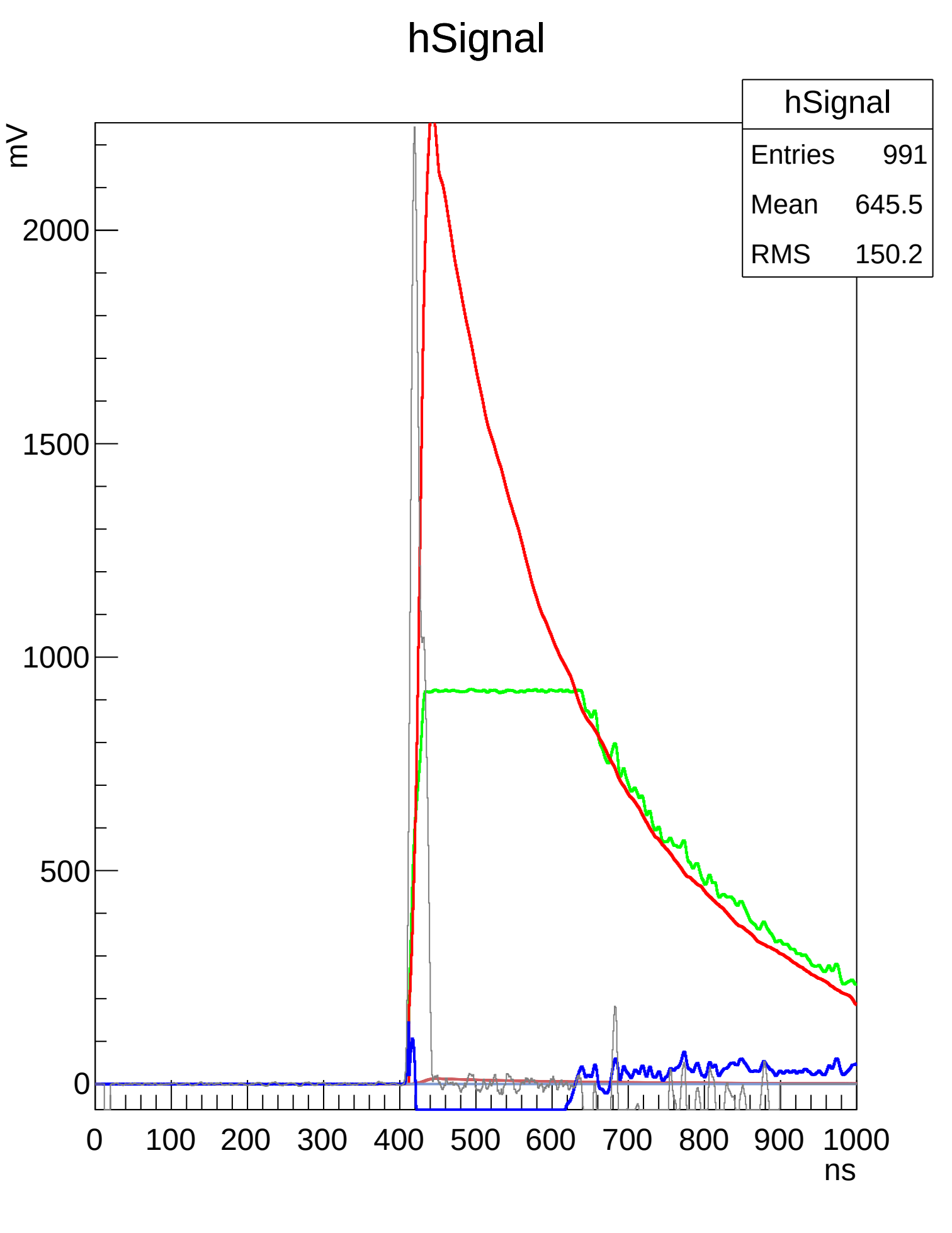

hSignal
hSignal
Entries 991
Mean 551.6
RMS 167.2
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

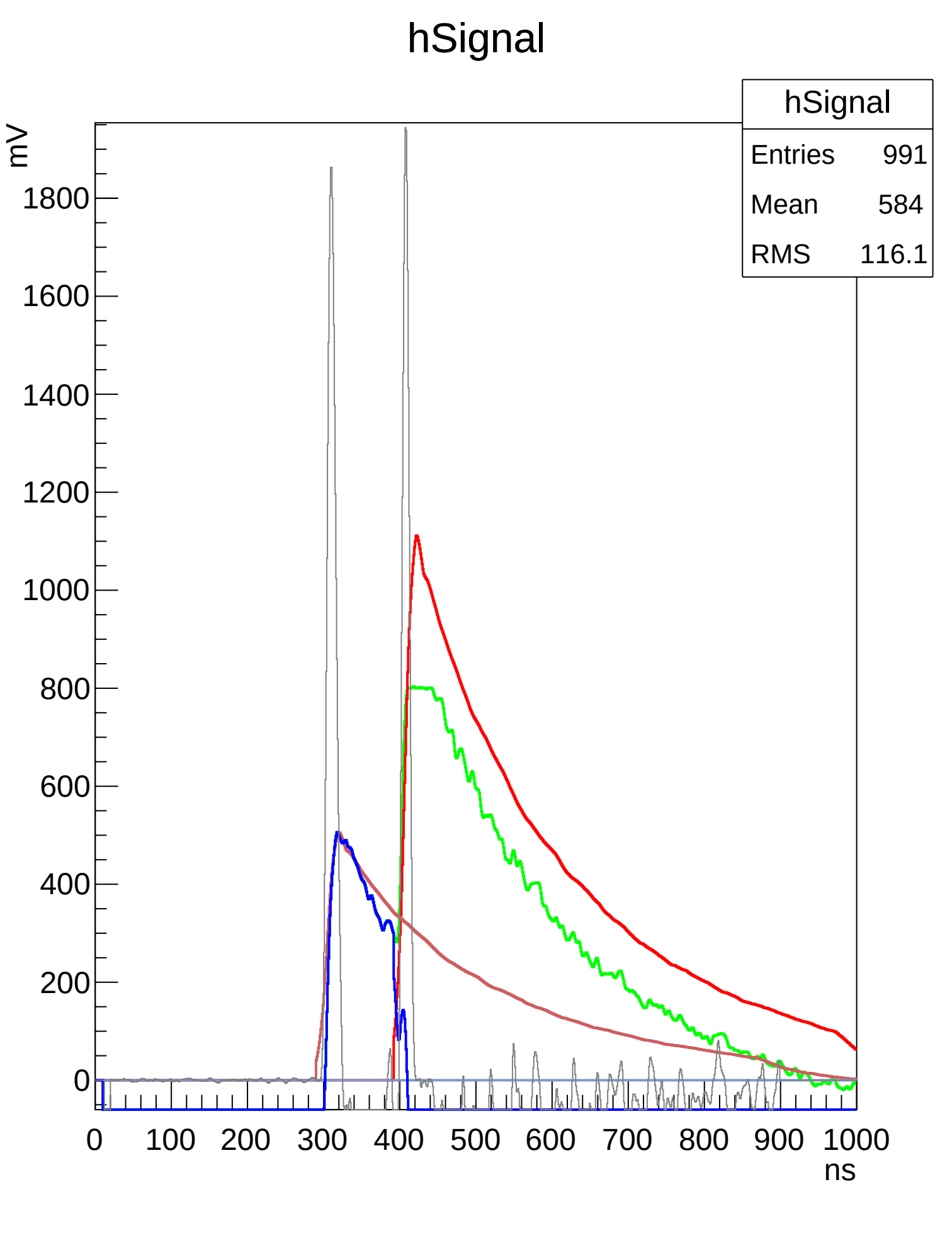

hSignal
hSignal
Entries 991
Mean 587.2
RMS 150.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

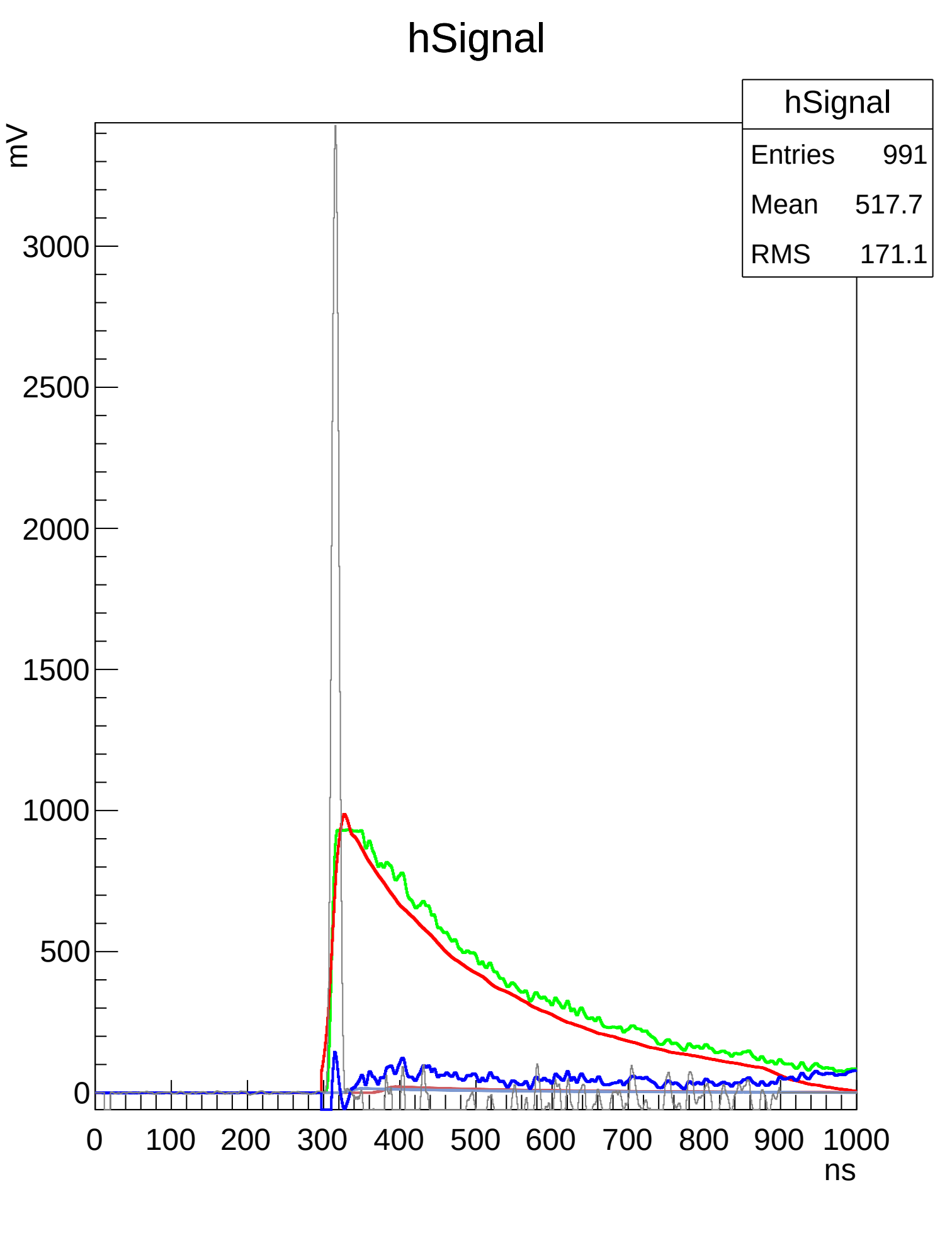

hSignal
hSignal
Entries 991
Mean 562.8
RMS 166.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

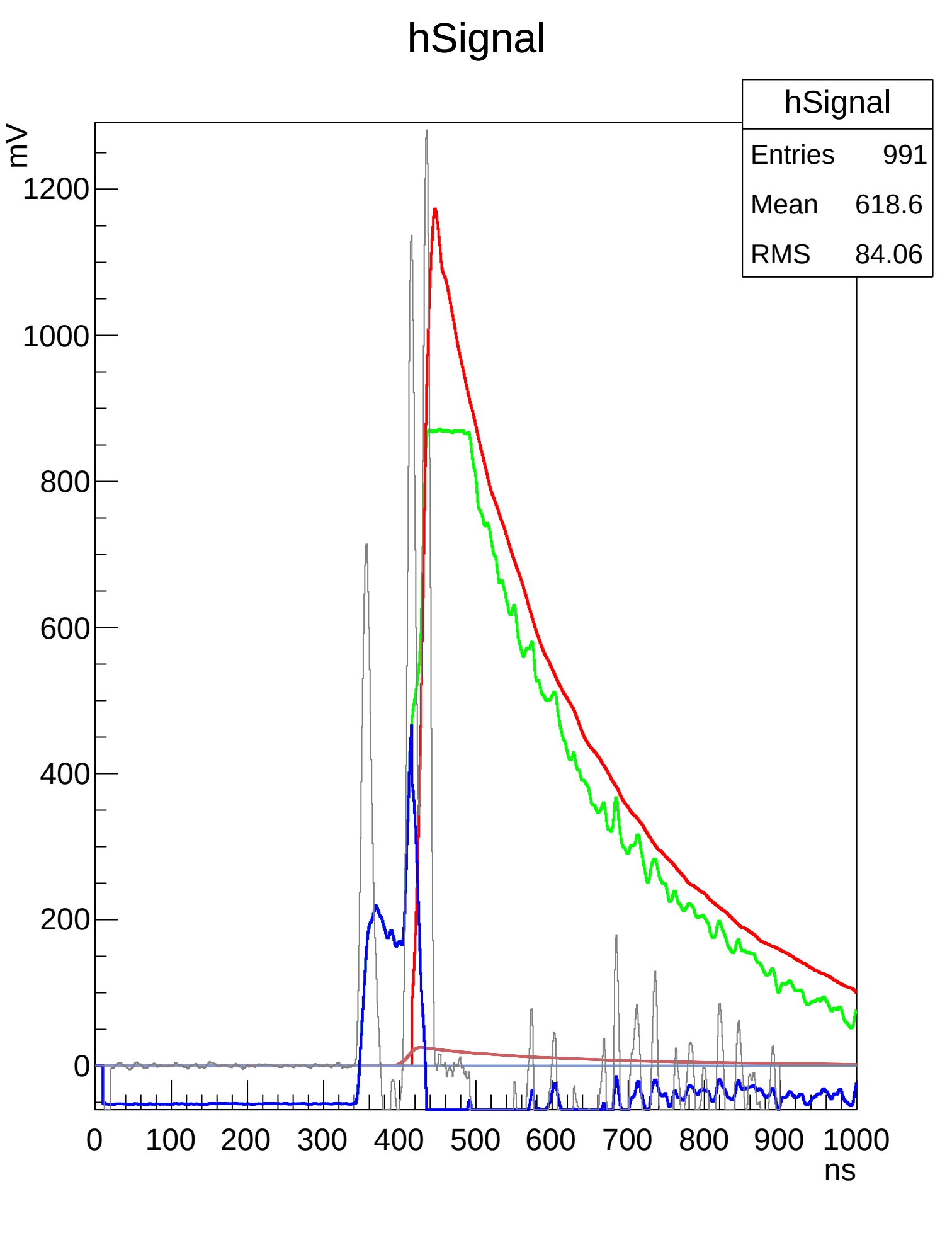

hSignal
hSignal
Entries 991
Mean 592.5
RMS 106.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

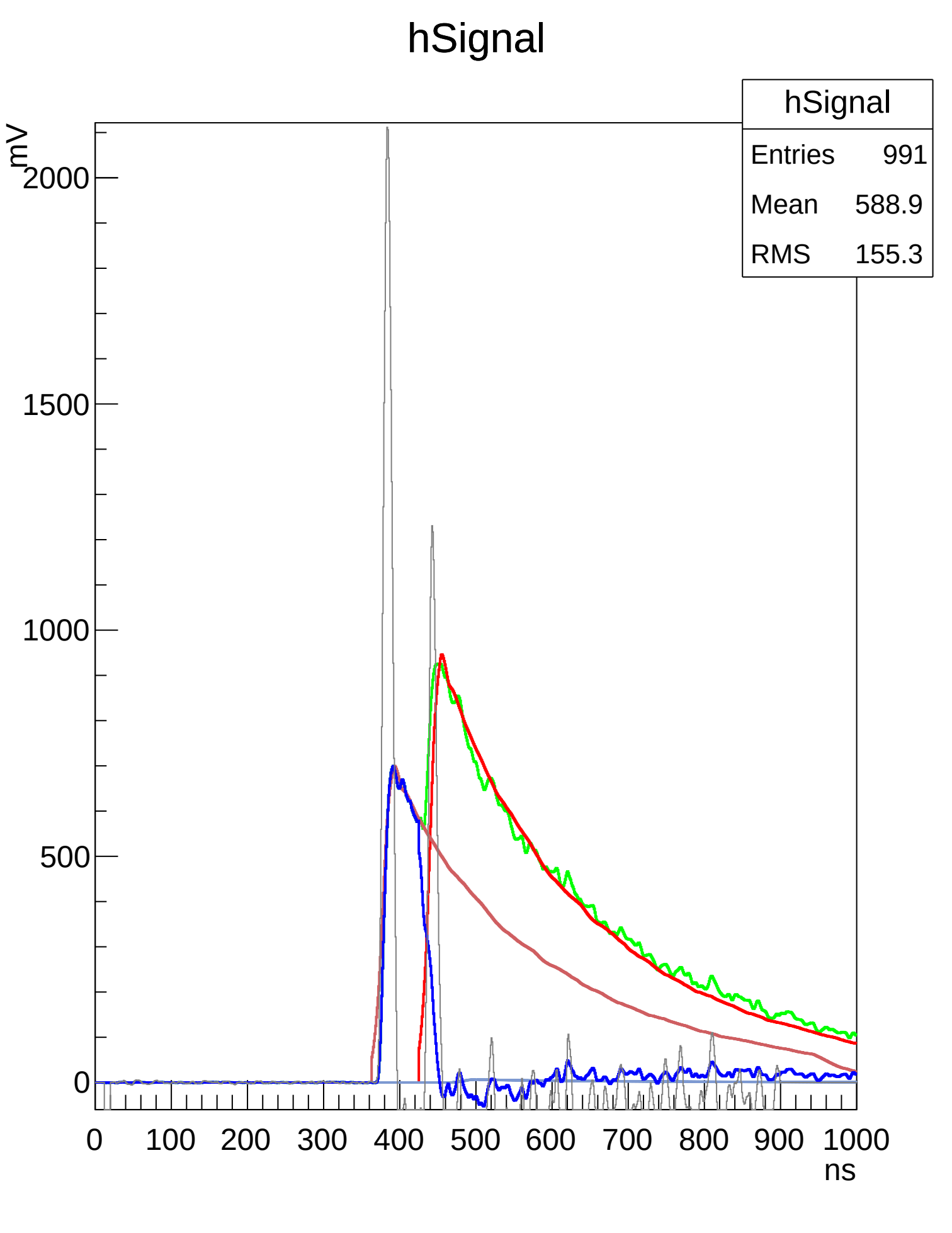

hSignal
hSignal
Entries 991
Mean 547.9
RMS 168
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

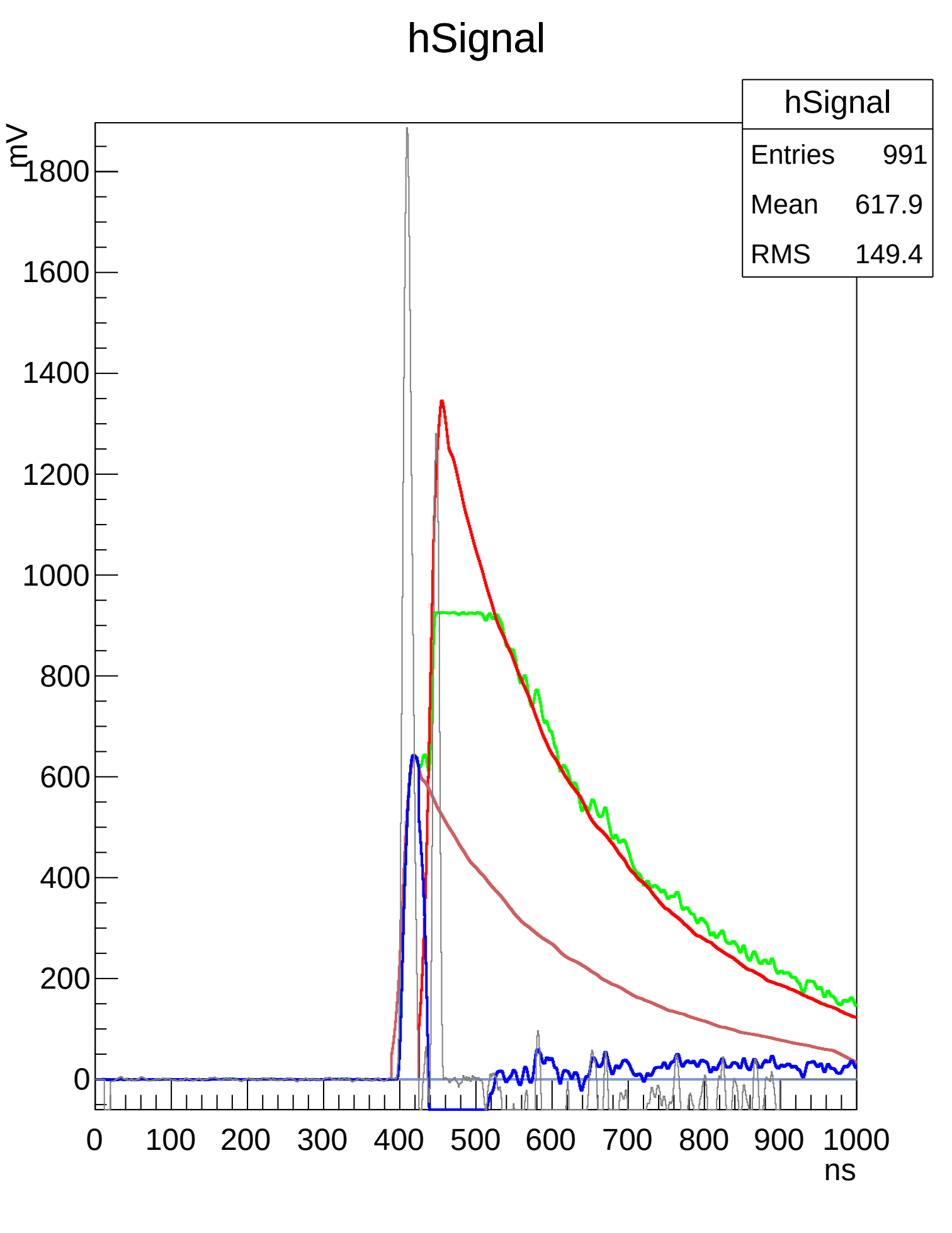

hSignal
hSignal
Entries 991
Mean 645.5
RMS 150.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

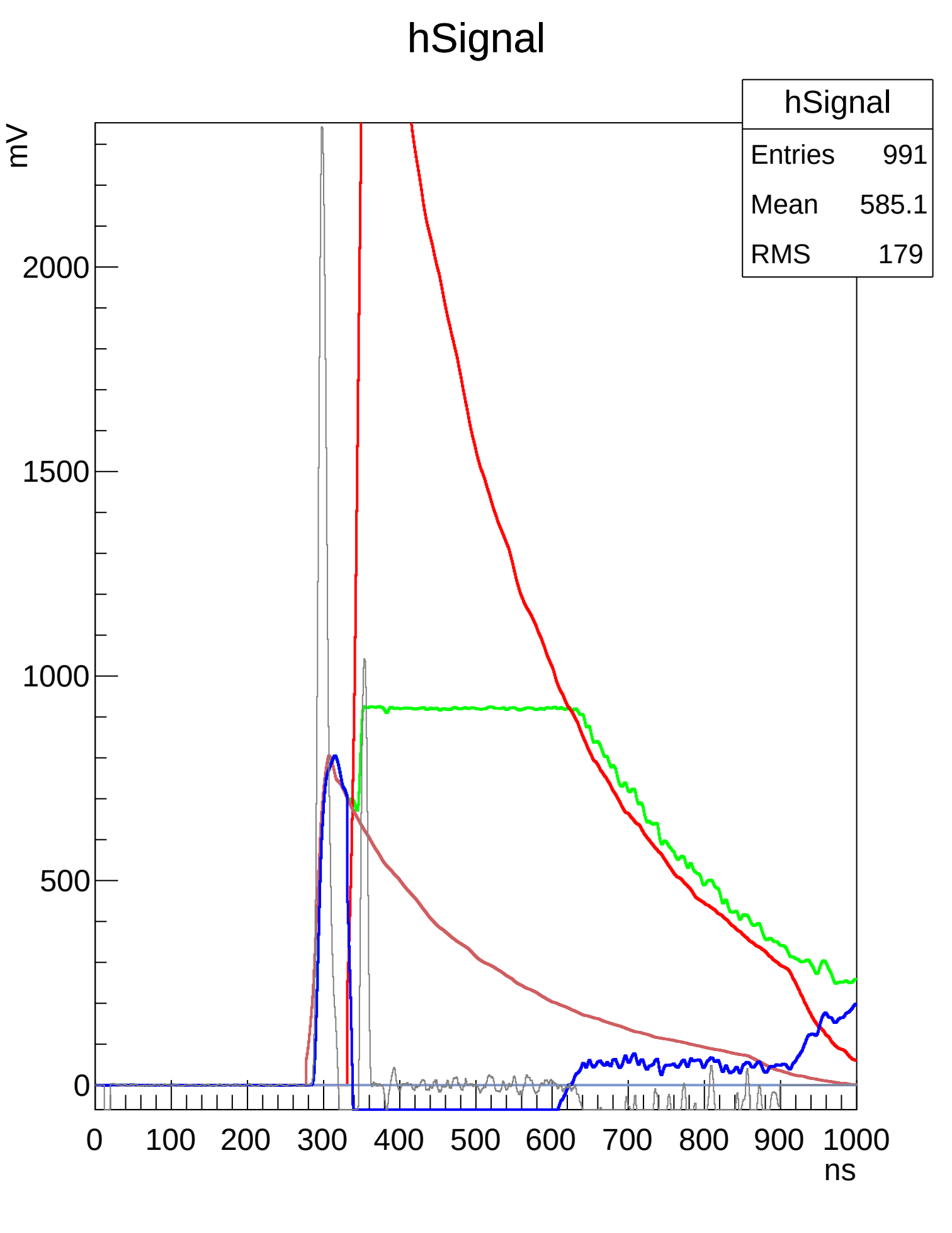

hSignal
hSignal
Entries 991
Mean 584
RMS 116.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

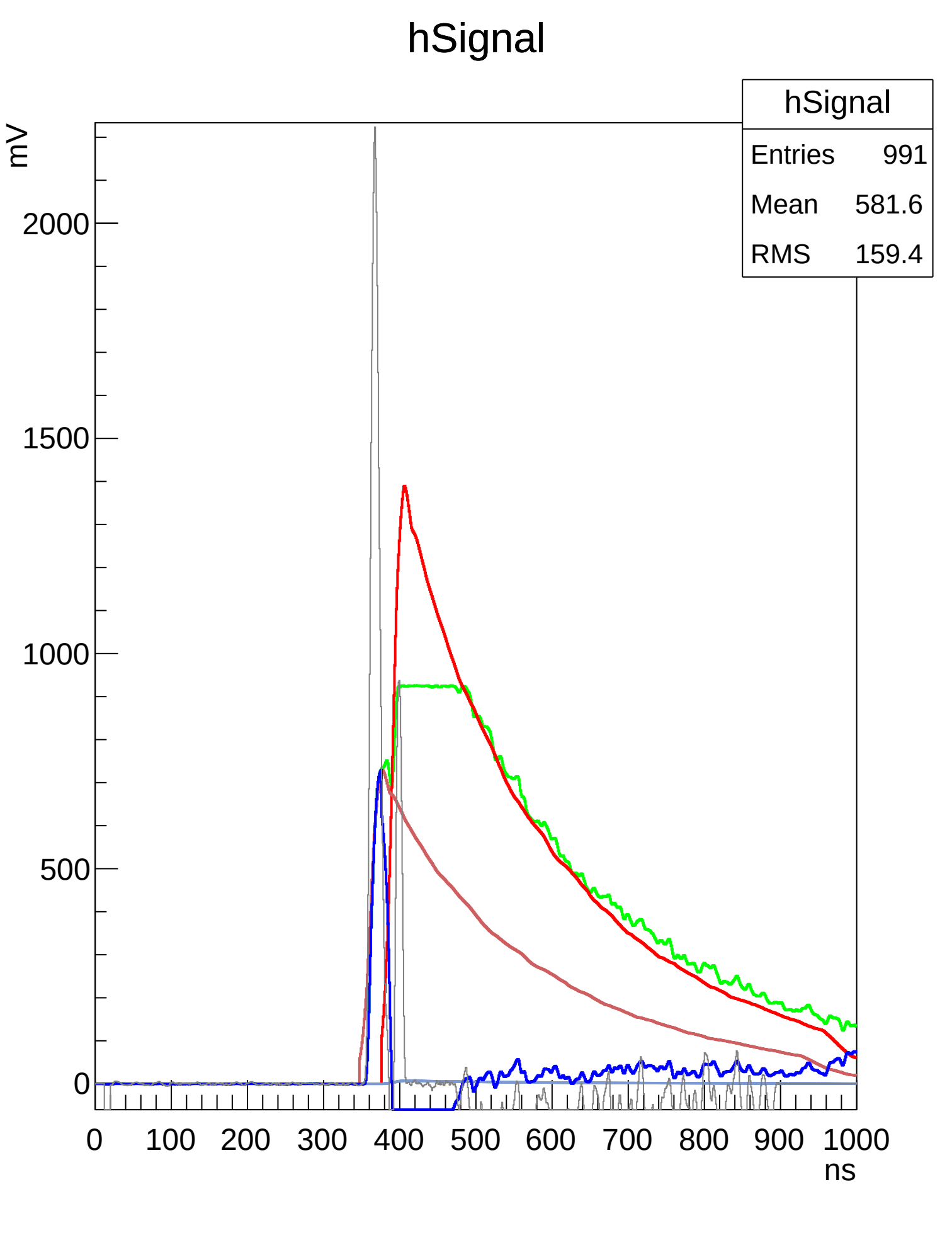

hSignal
hSignal
Entries 991
Mean 517.7
RMS 171.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

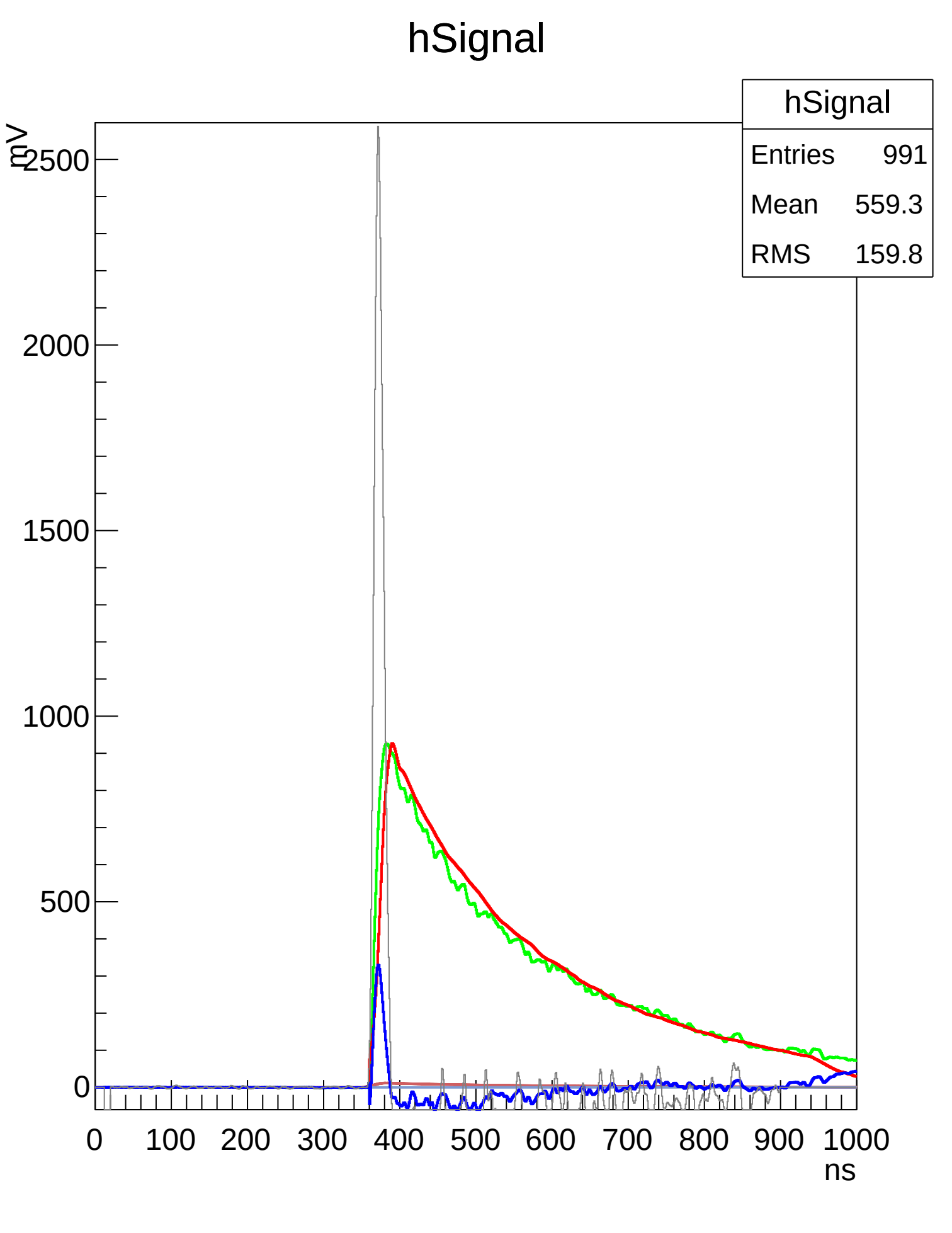

hSignal
hSignal
Entries 991
Mean 618.6
RMS 84.06
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

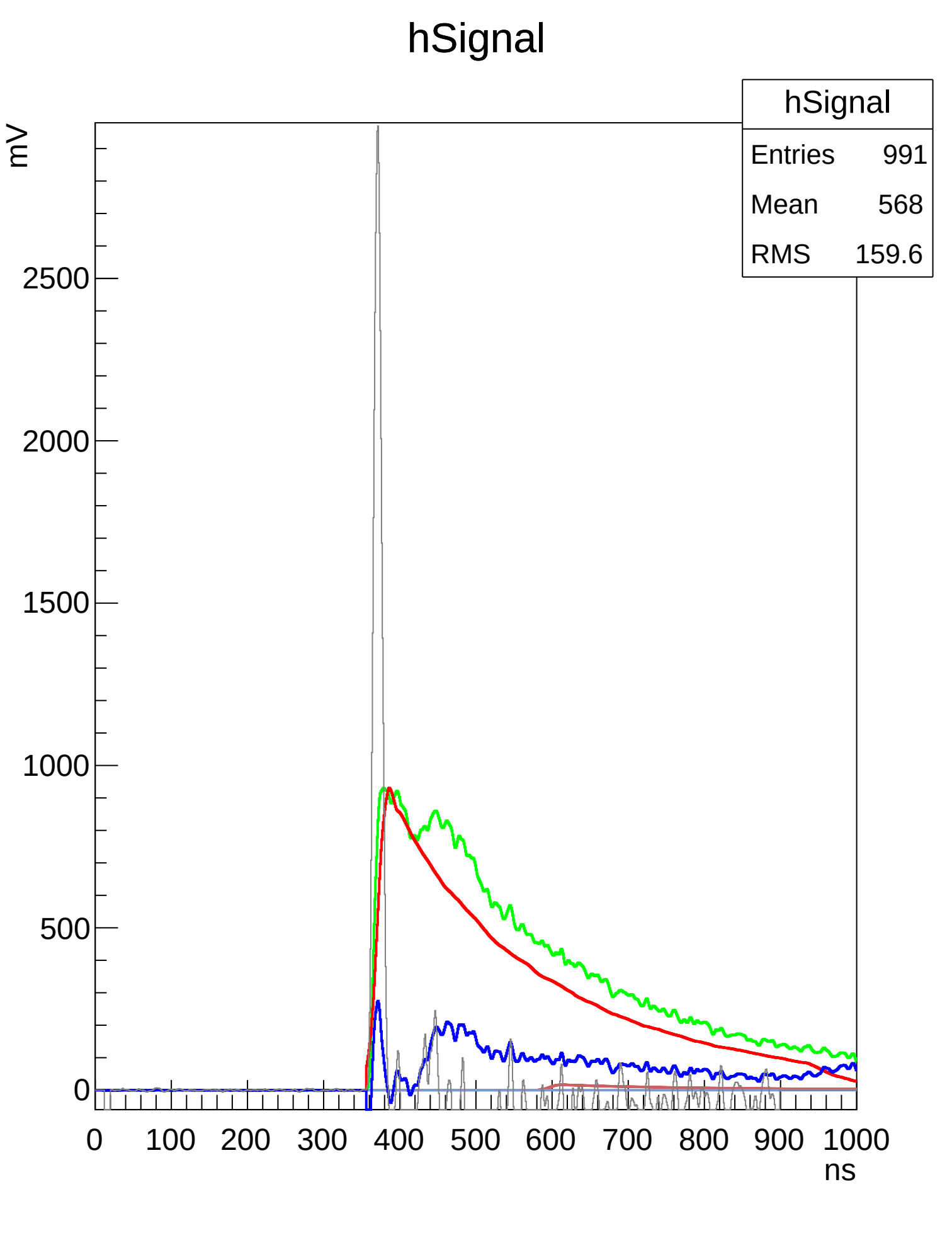

hSignal
hSignal
Entries 991
Mean 588.9
RMS 155.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

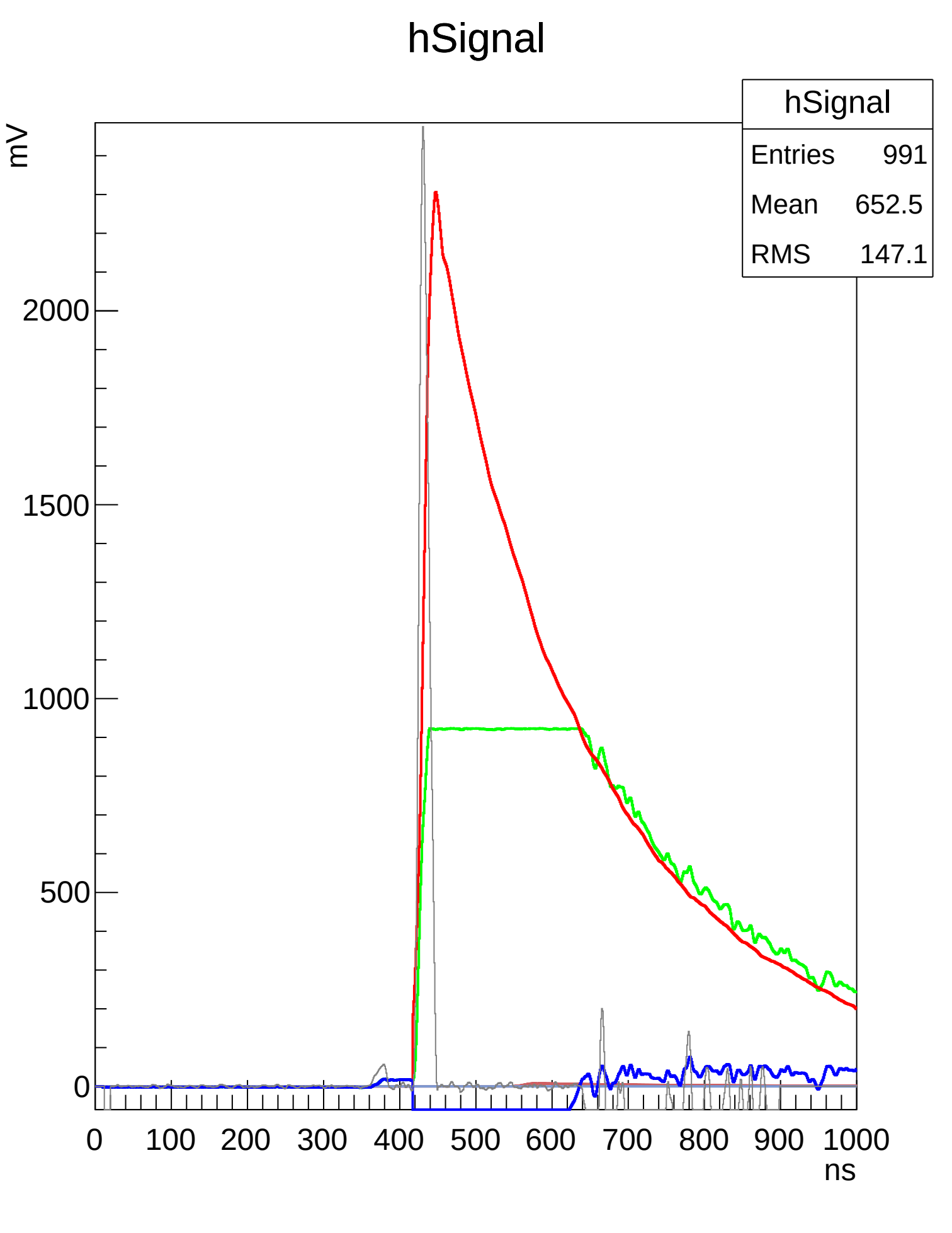

hSignal
hSignal
Entries 991
Mean 617.9
RMS 149.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

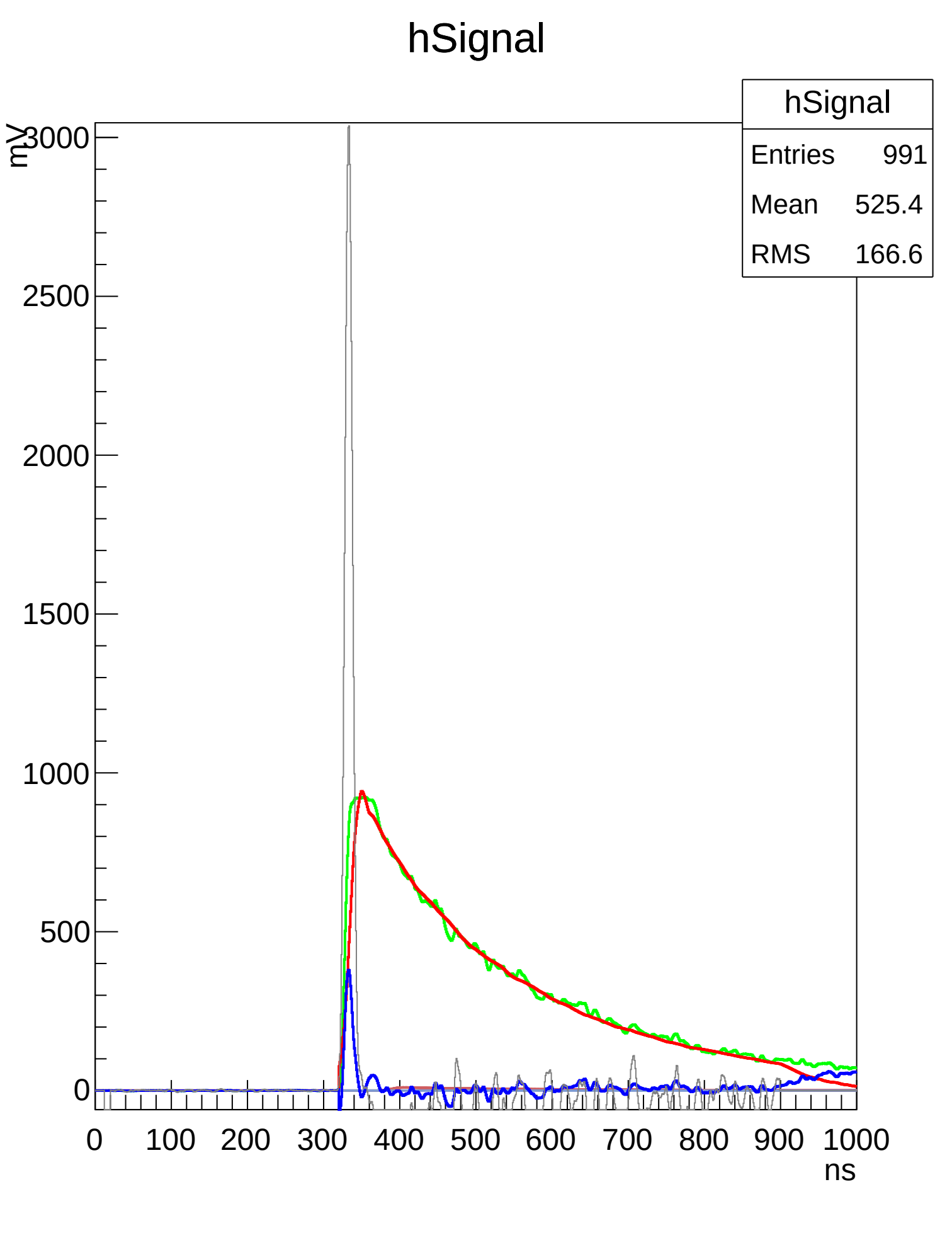

hSignal
hSignal
Entries 991
Mean 585.1
RMS 179
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

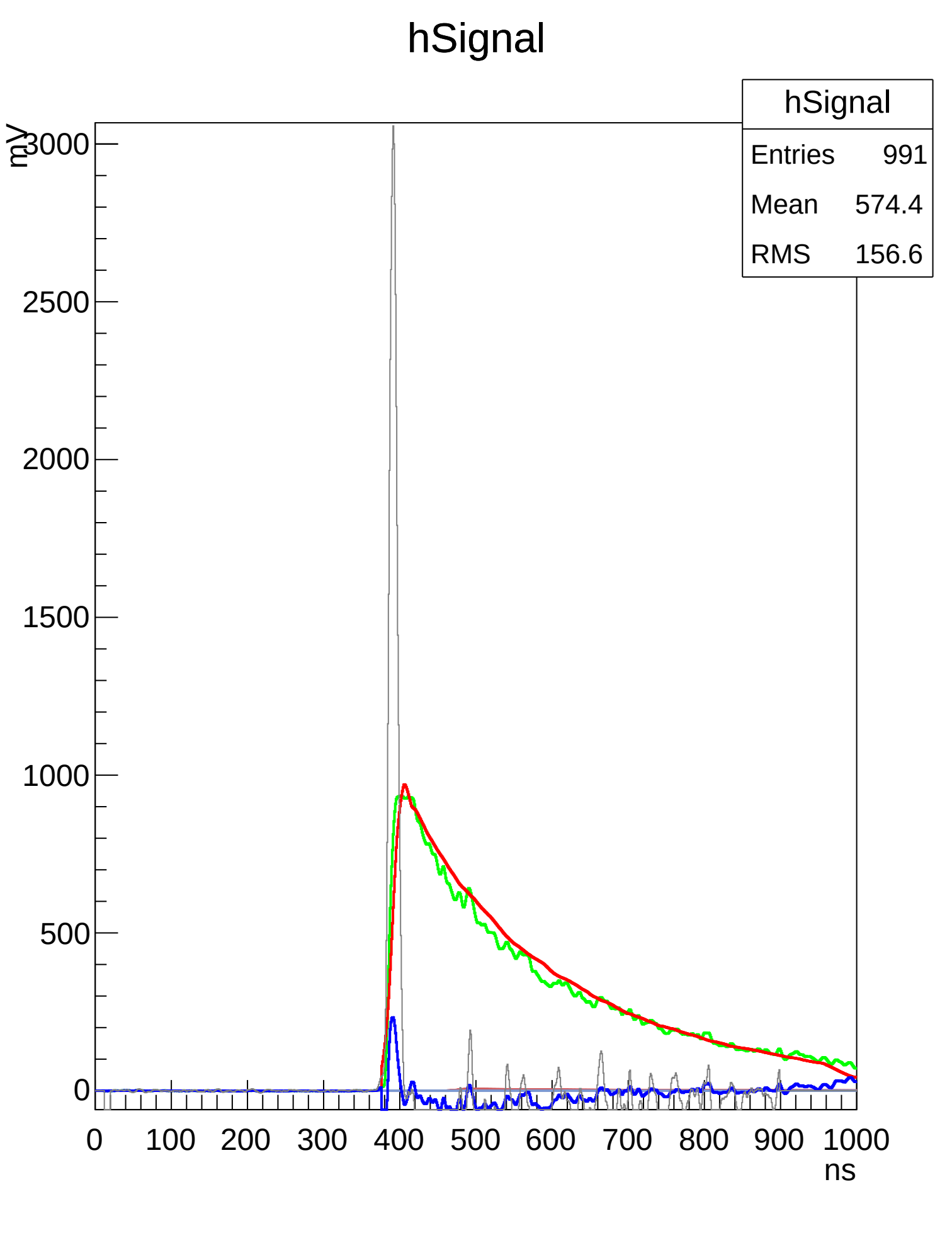

hSignal
hSignal
Entries 991
Mean 581.6
RMS 159.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

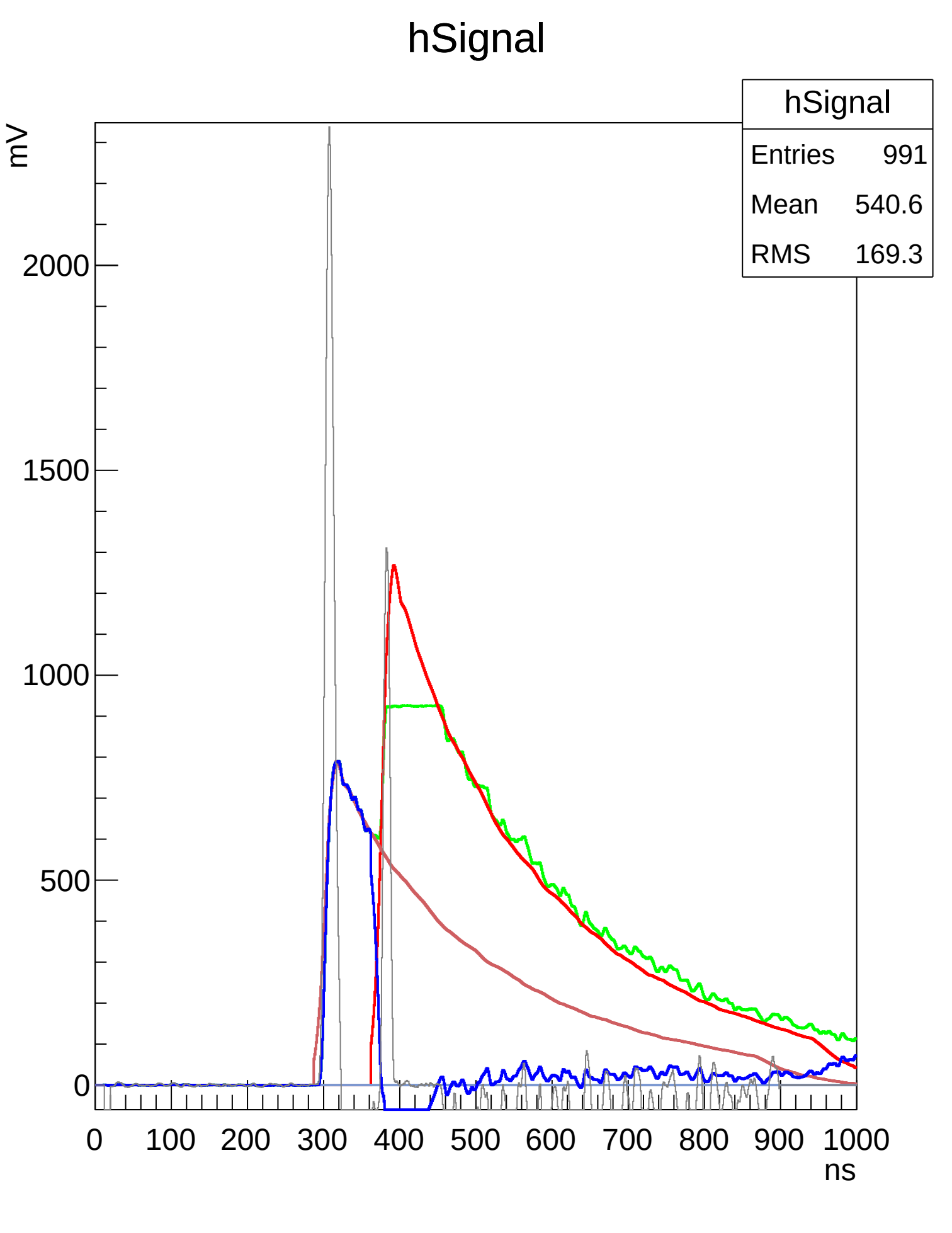

hSignal
hSignal
Entries 991
Mean 559.3
RMS 159.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

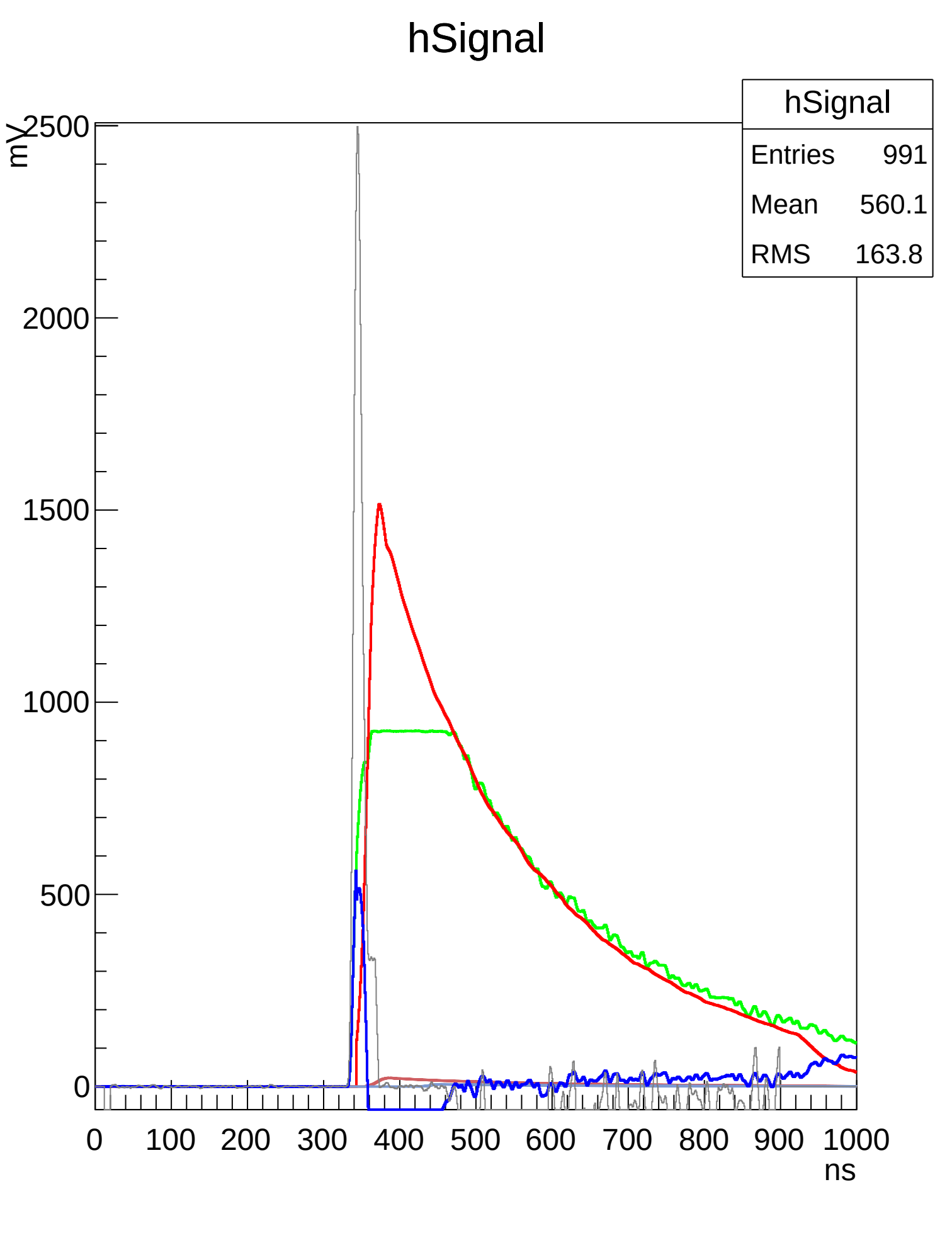

hSignal
hSignal
Entries 991
Mean 568
RMS 159.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

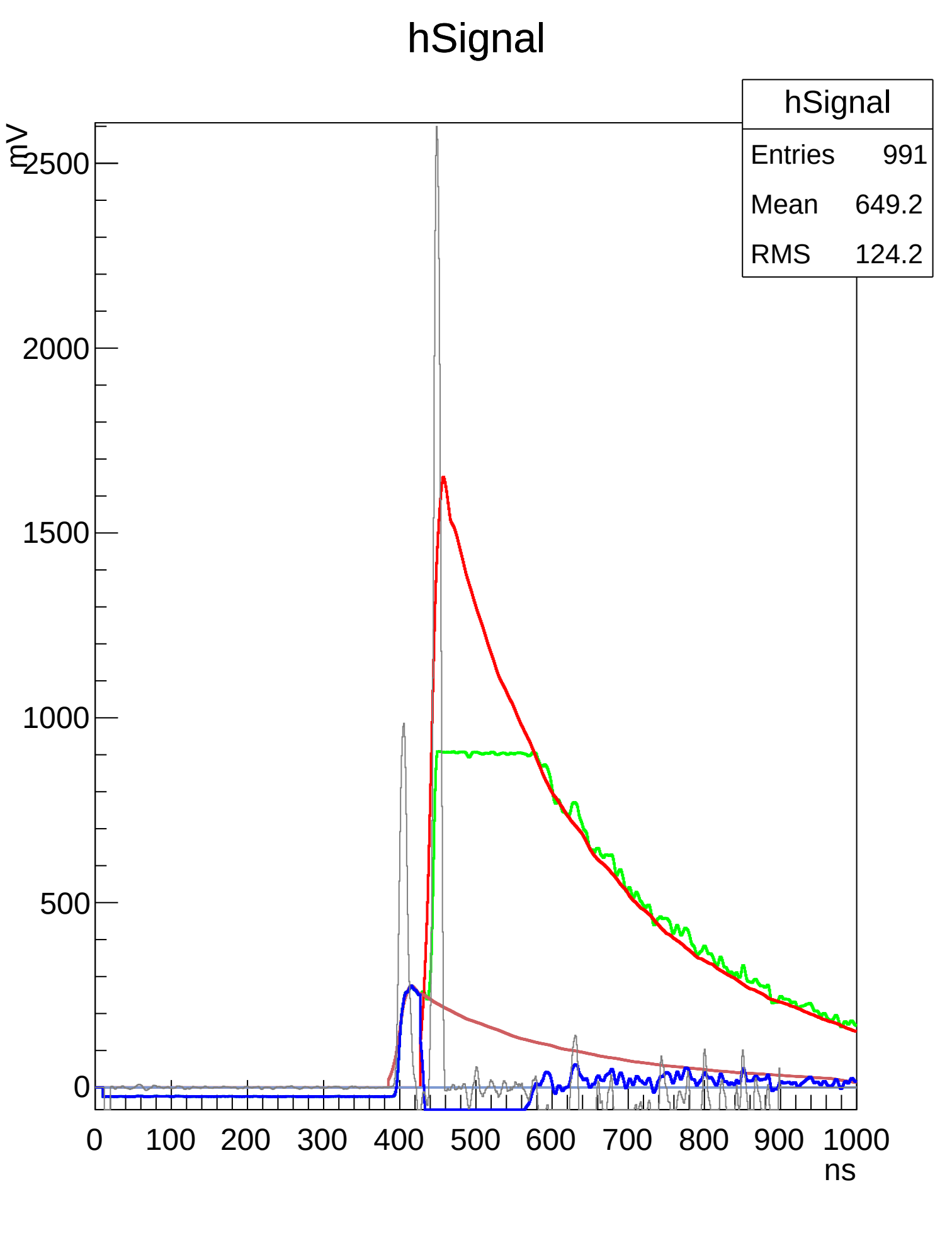

hSignal
hSignal
Entries 991
Mean 652.5
RMS 147.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

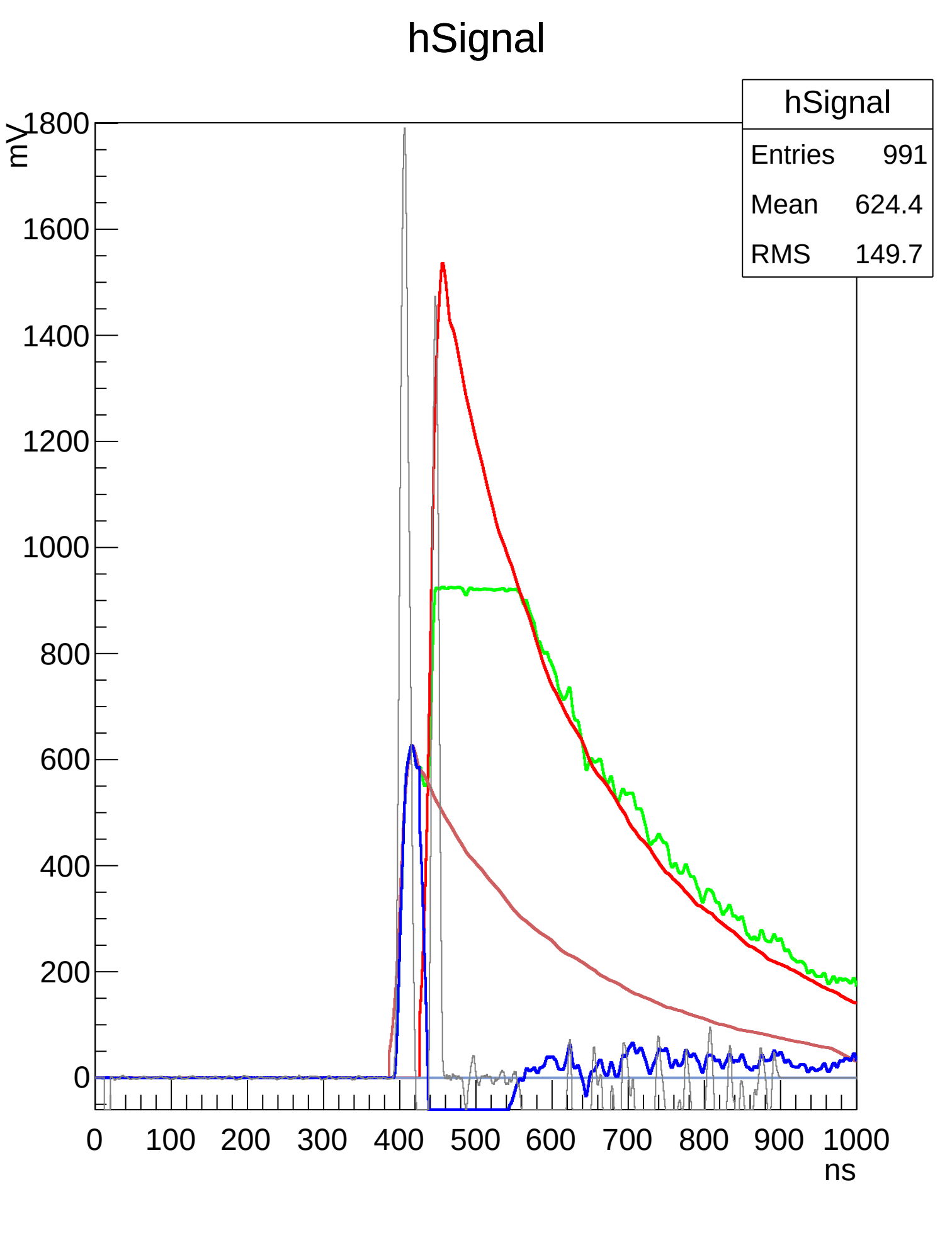

hSignal
hSignal
Entries 991
Mean 525.4
RMS 166.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

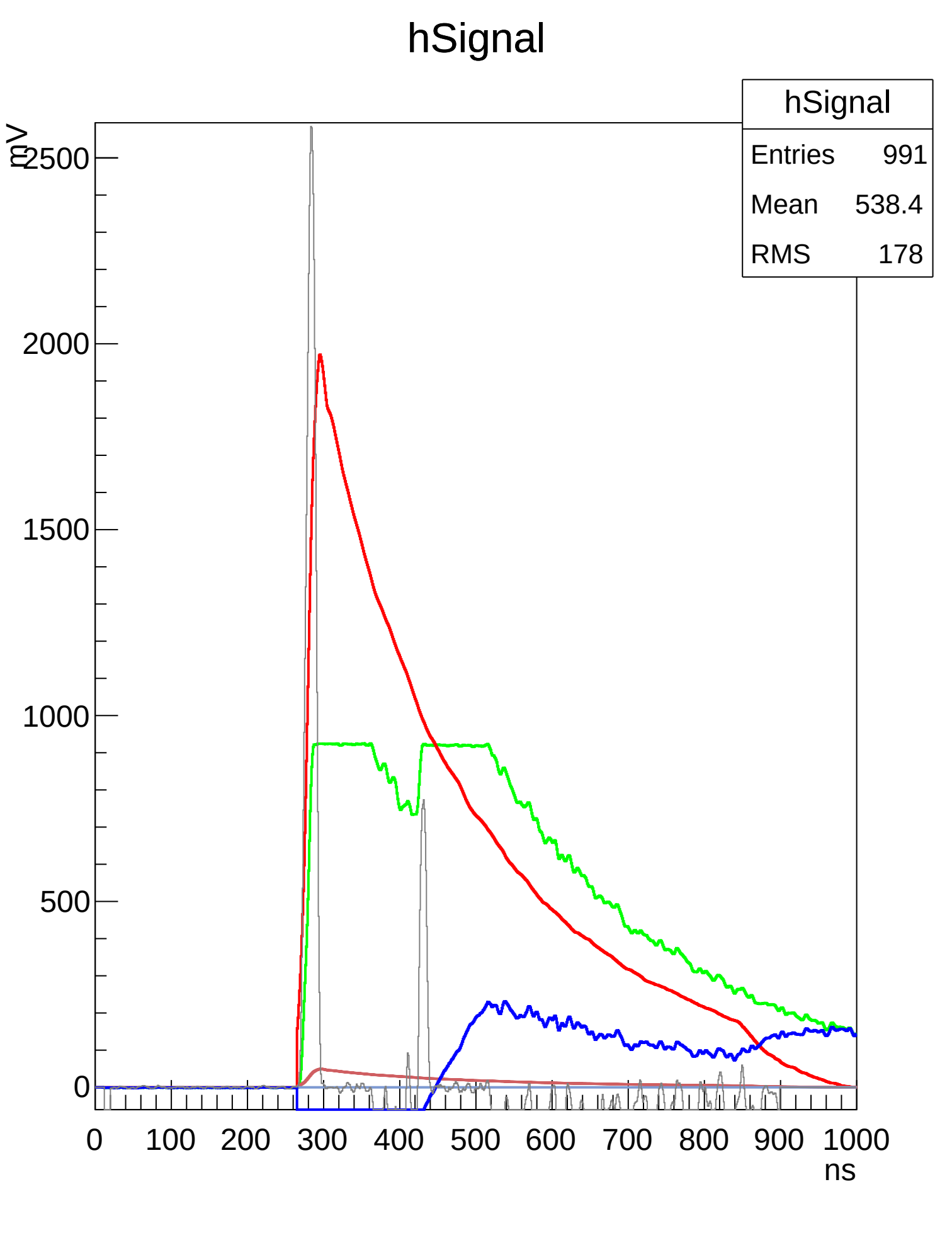

hSignal
hSignal
Entries 991
Mean 574.4
RMS 156.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

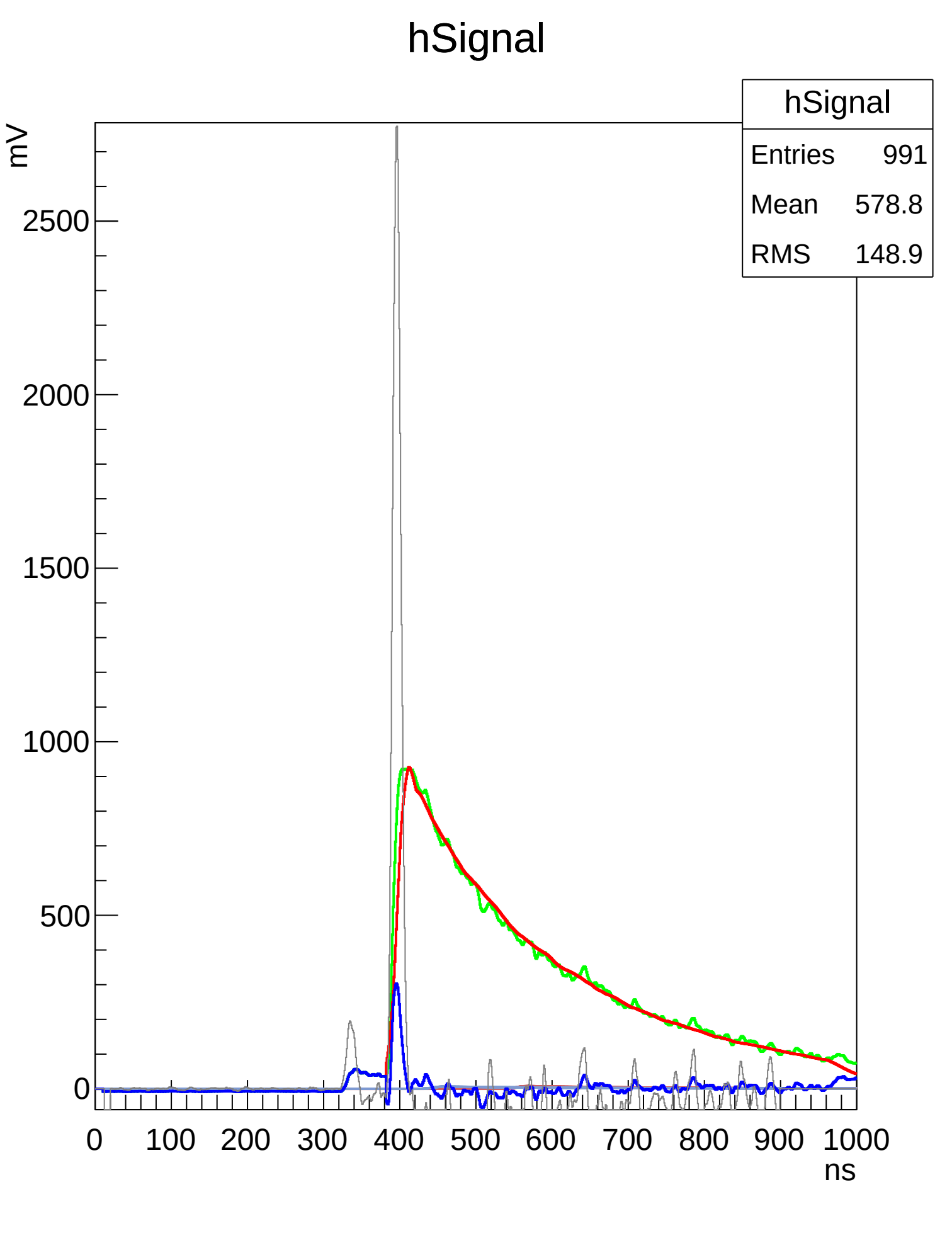

hSignal
hSignal
Entries 991
Mean 540.6
RMS 169.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

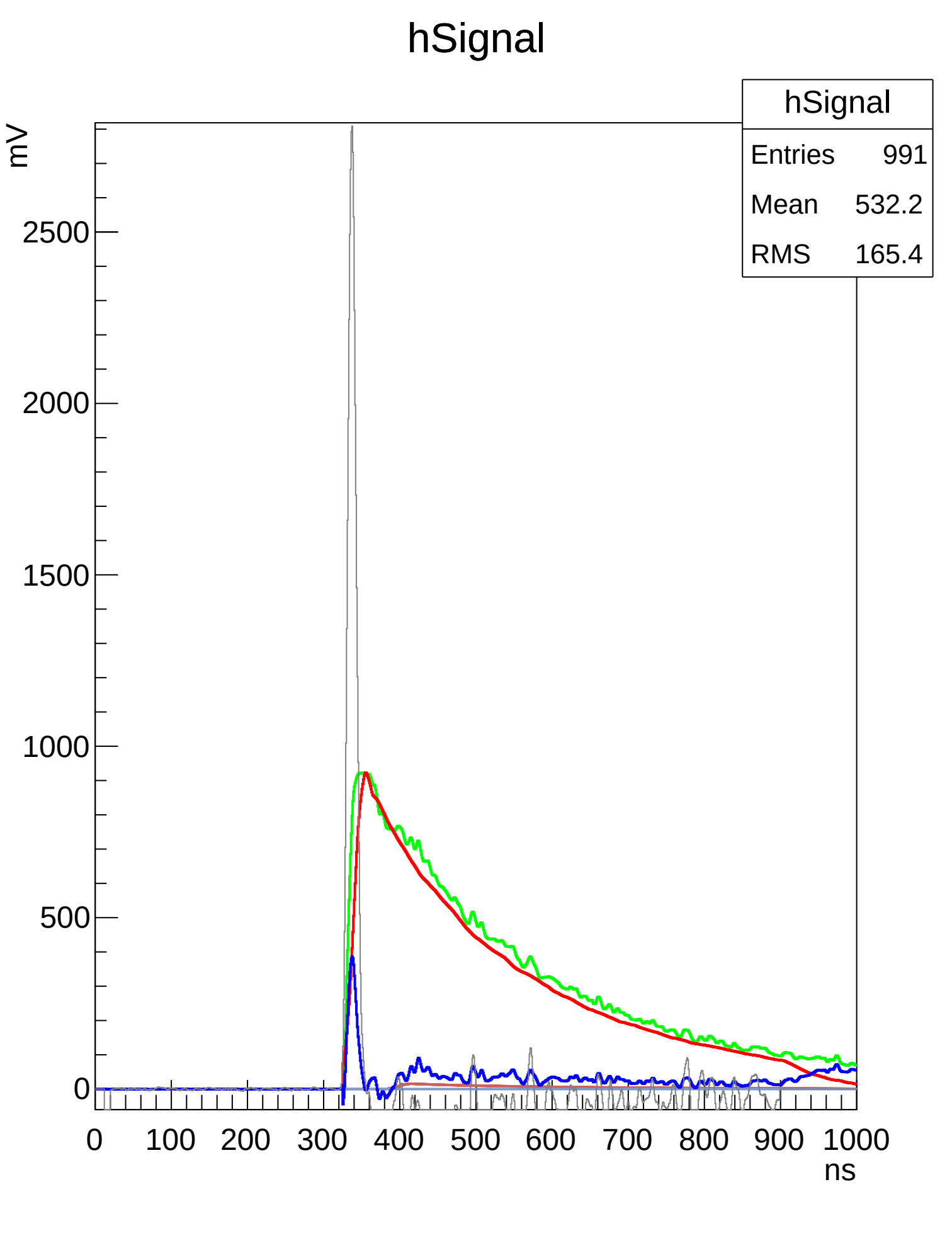

hSignal
hSignal
Entries 991
Mean 560.1
RMS 163.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

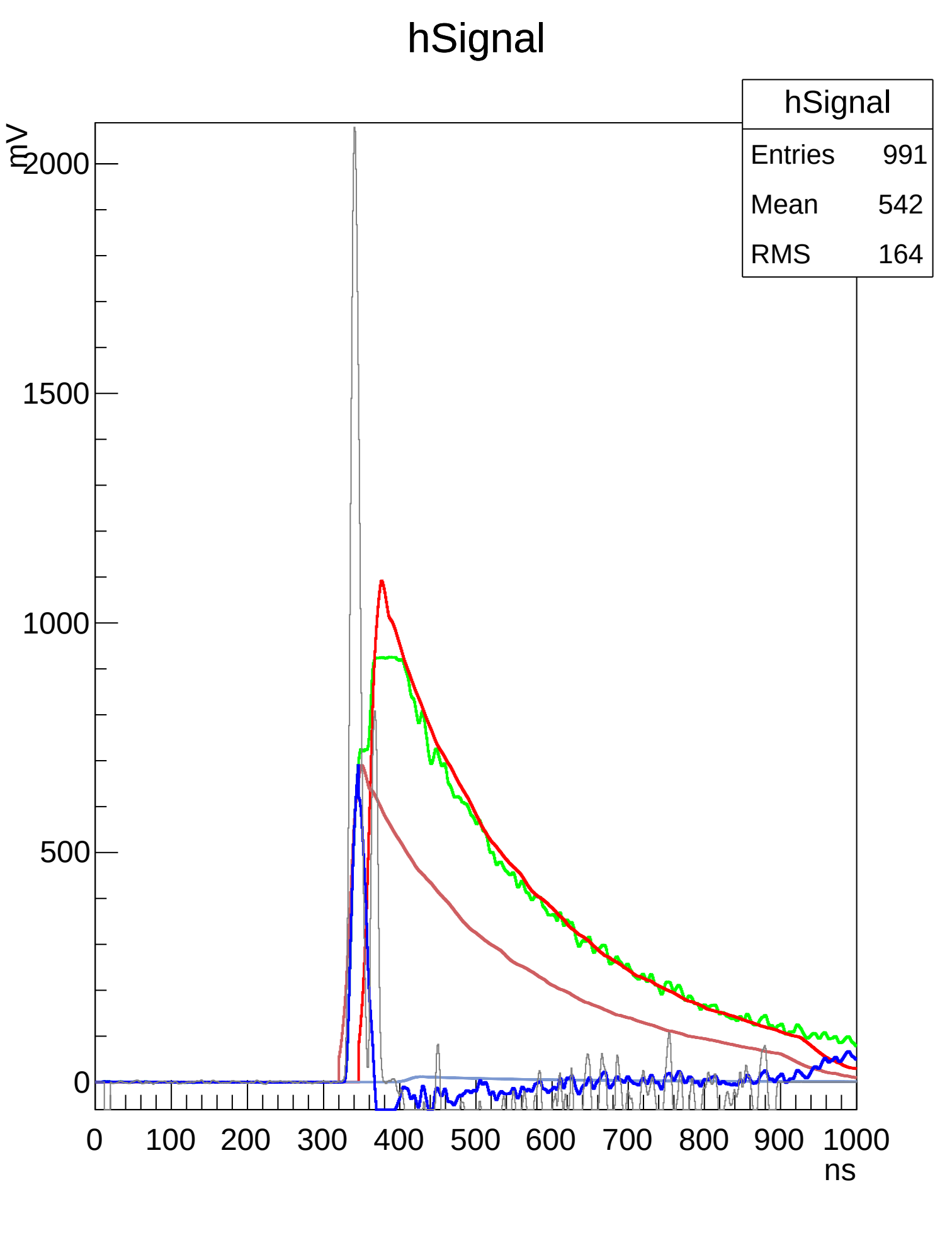

hSignal
hSignal
Entries 991
Mean 649.2
RMS 124.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

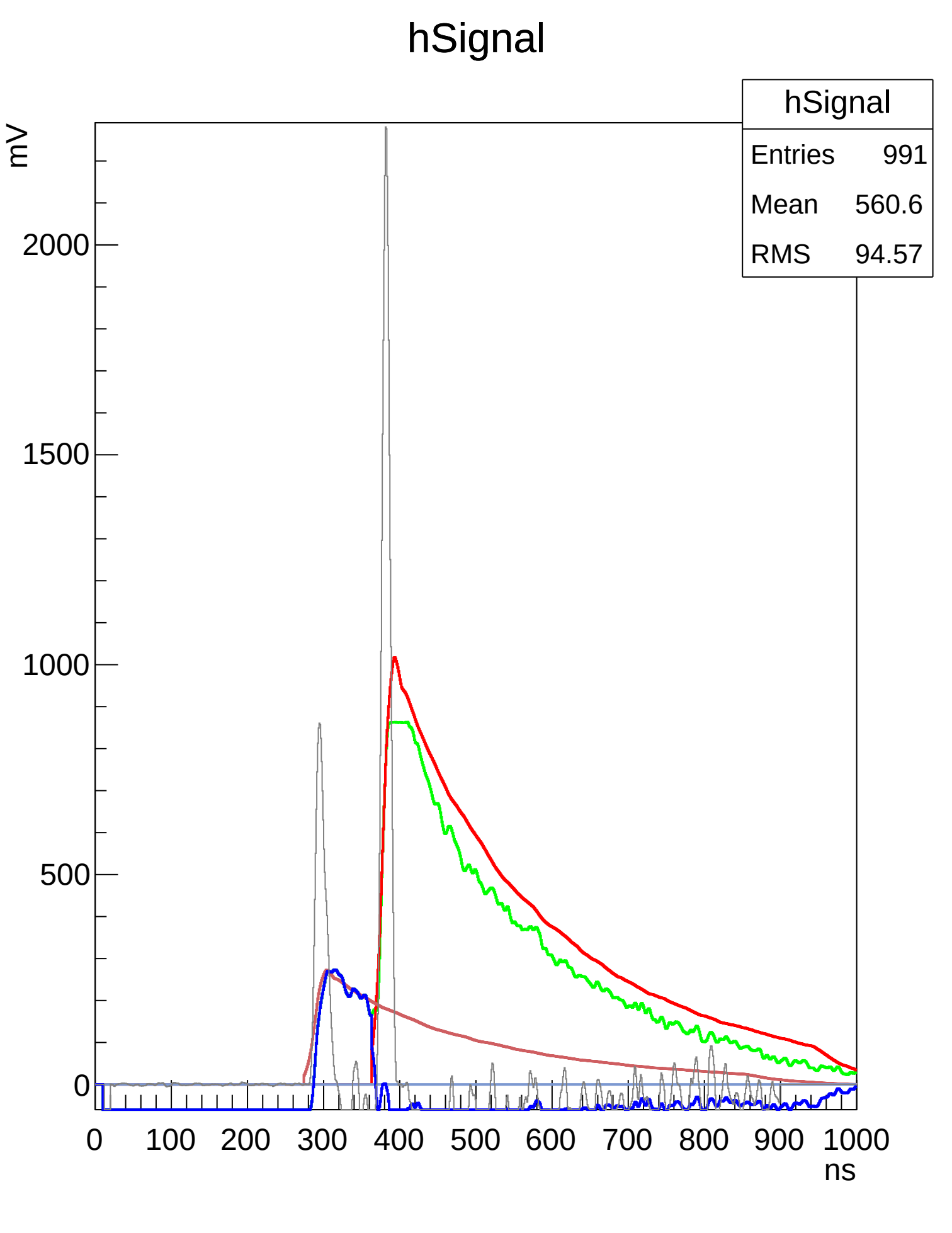

hSignal
hSignal
Entries 991
Mean 624.4
RMS 149.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

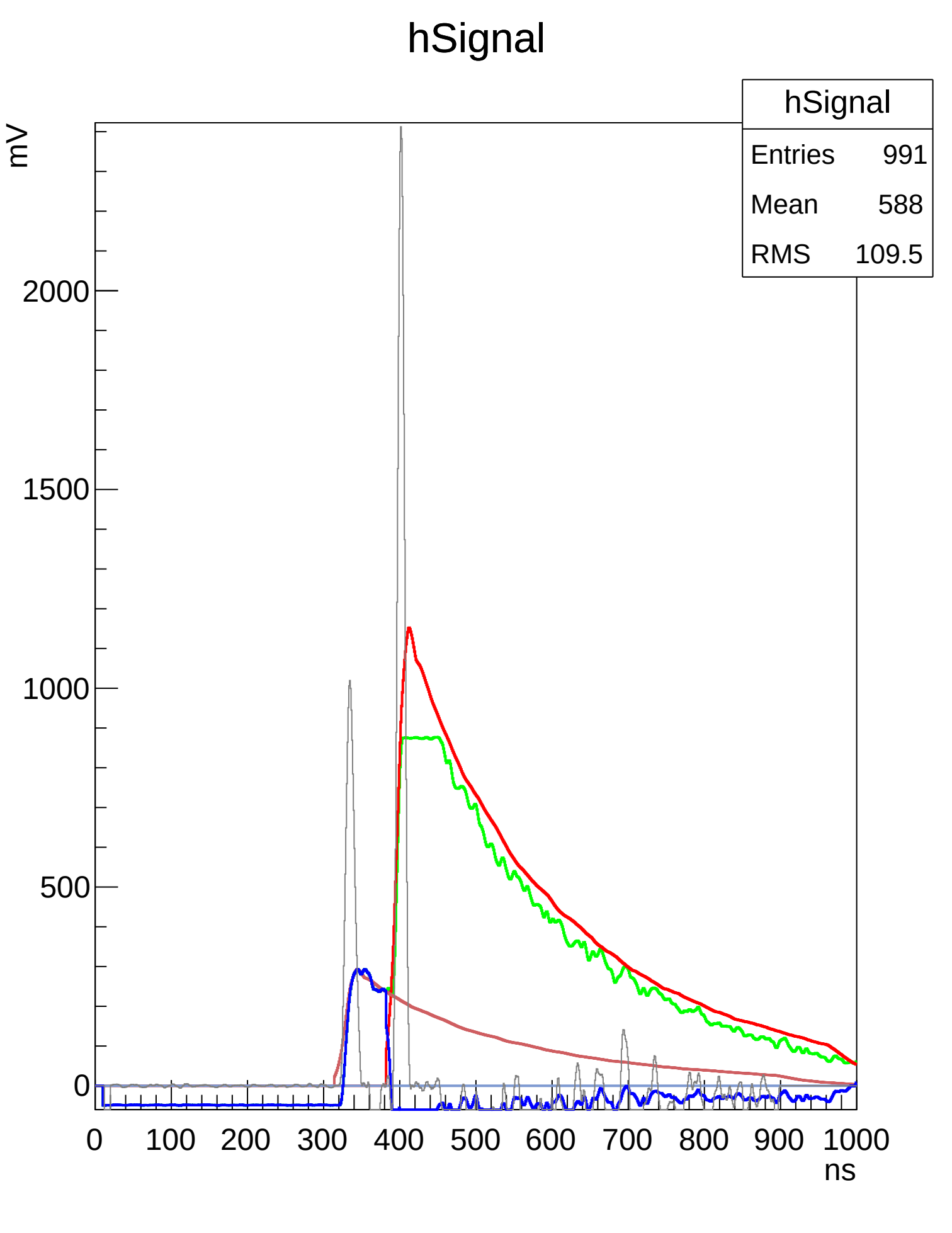

hSignal
hSignal
Entries 991
Mean 538.4
RMS 178
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

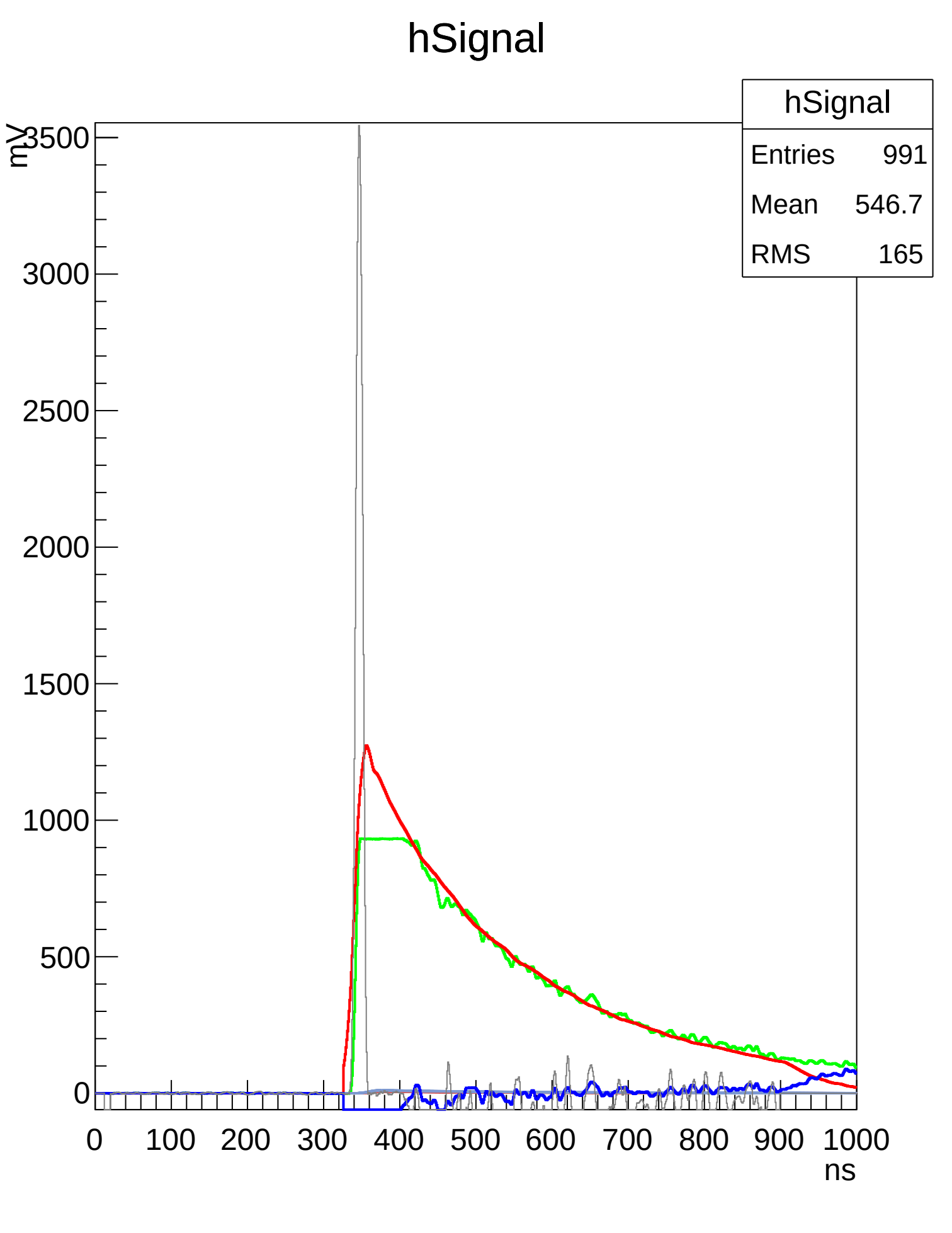

hSignal
hSignal
Entries 991
Mean 578.8
RMS 148.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

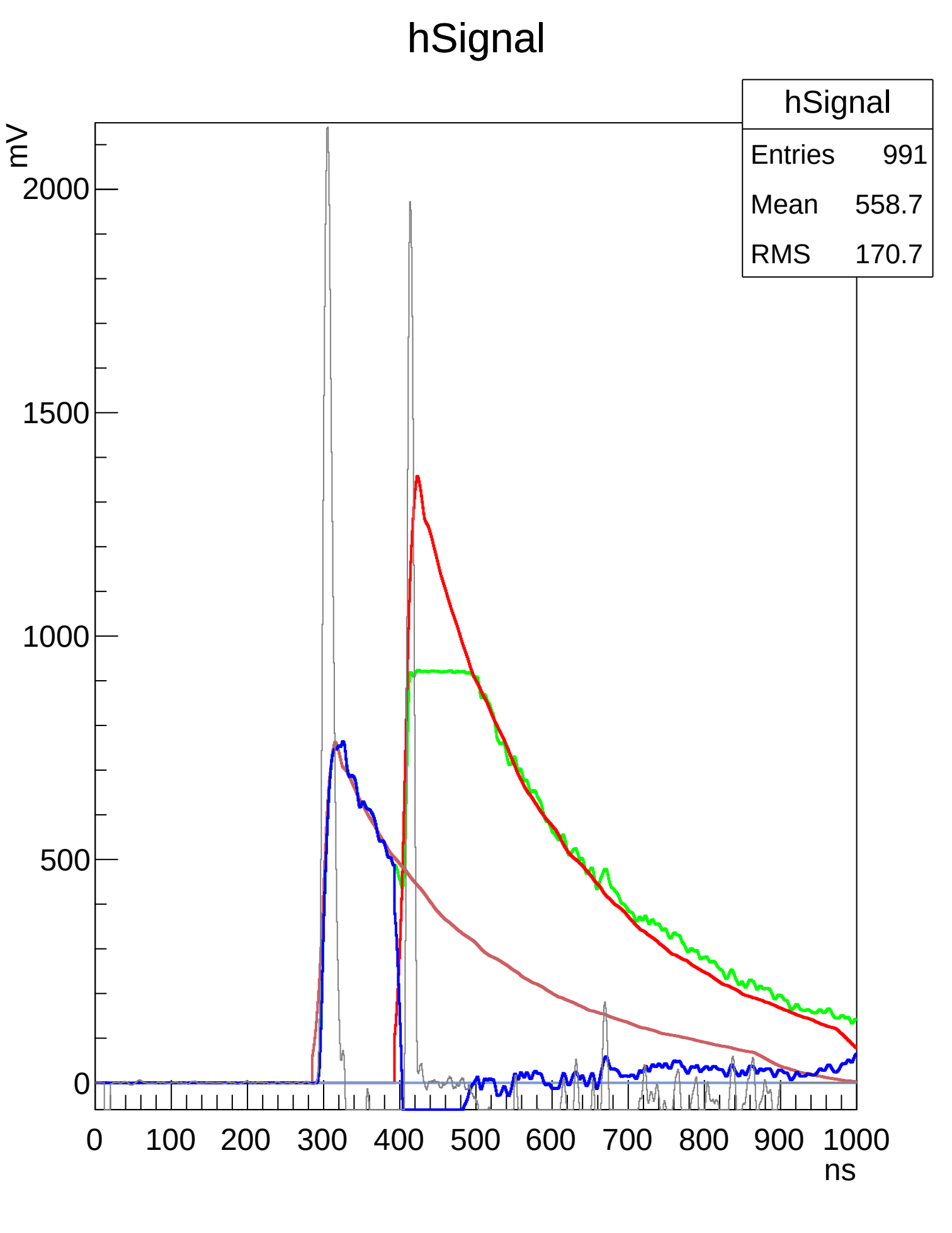

hSignal
hSignal
Entries 991
Mean 532.2
RMS 165.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

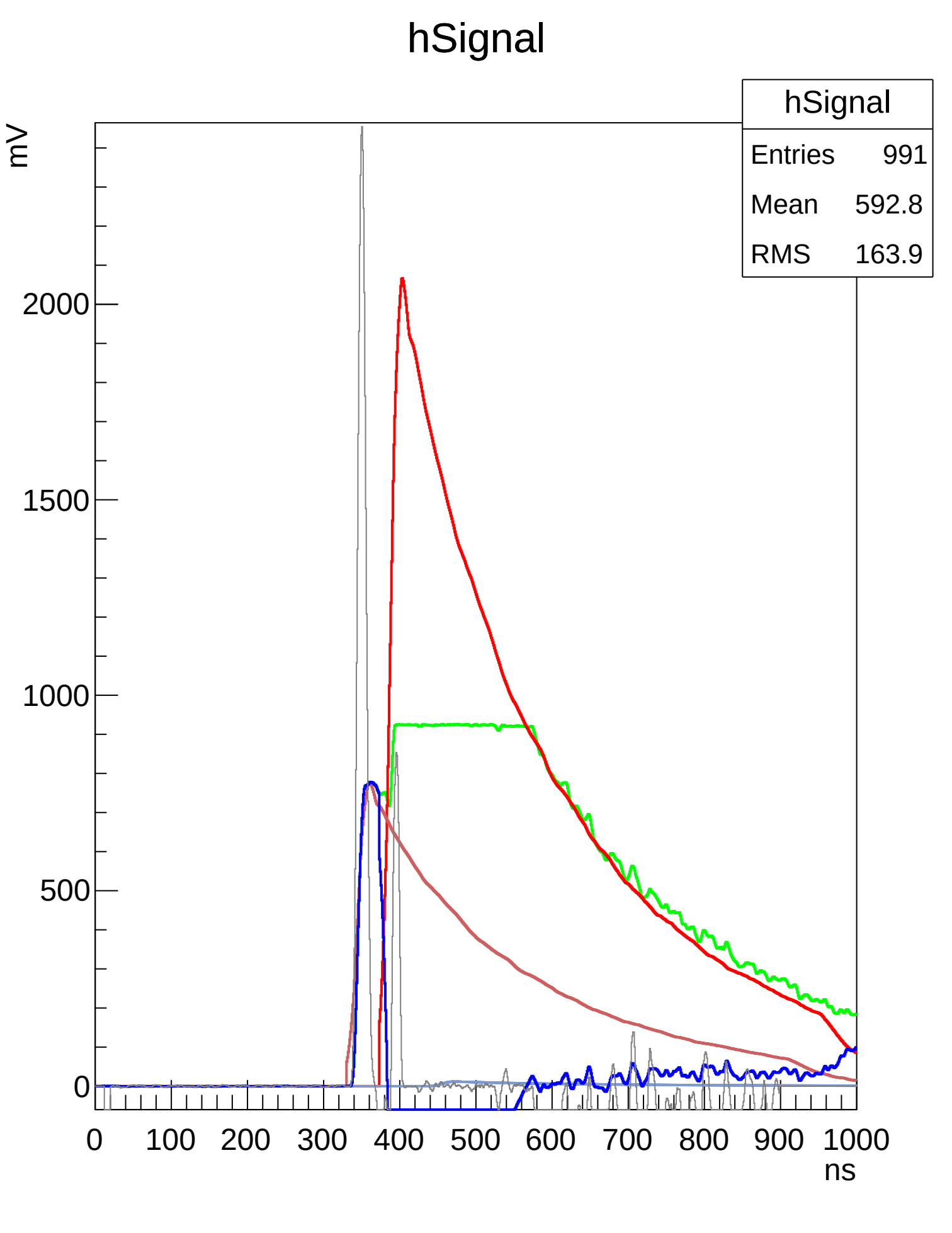

hSignal
hSignal
Entries 991
Mean 542
RMS 164
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

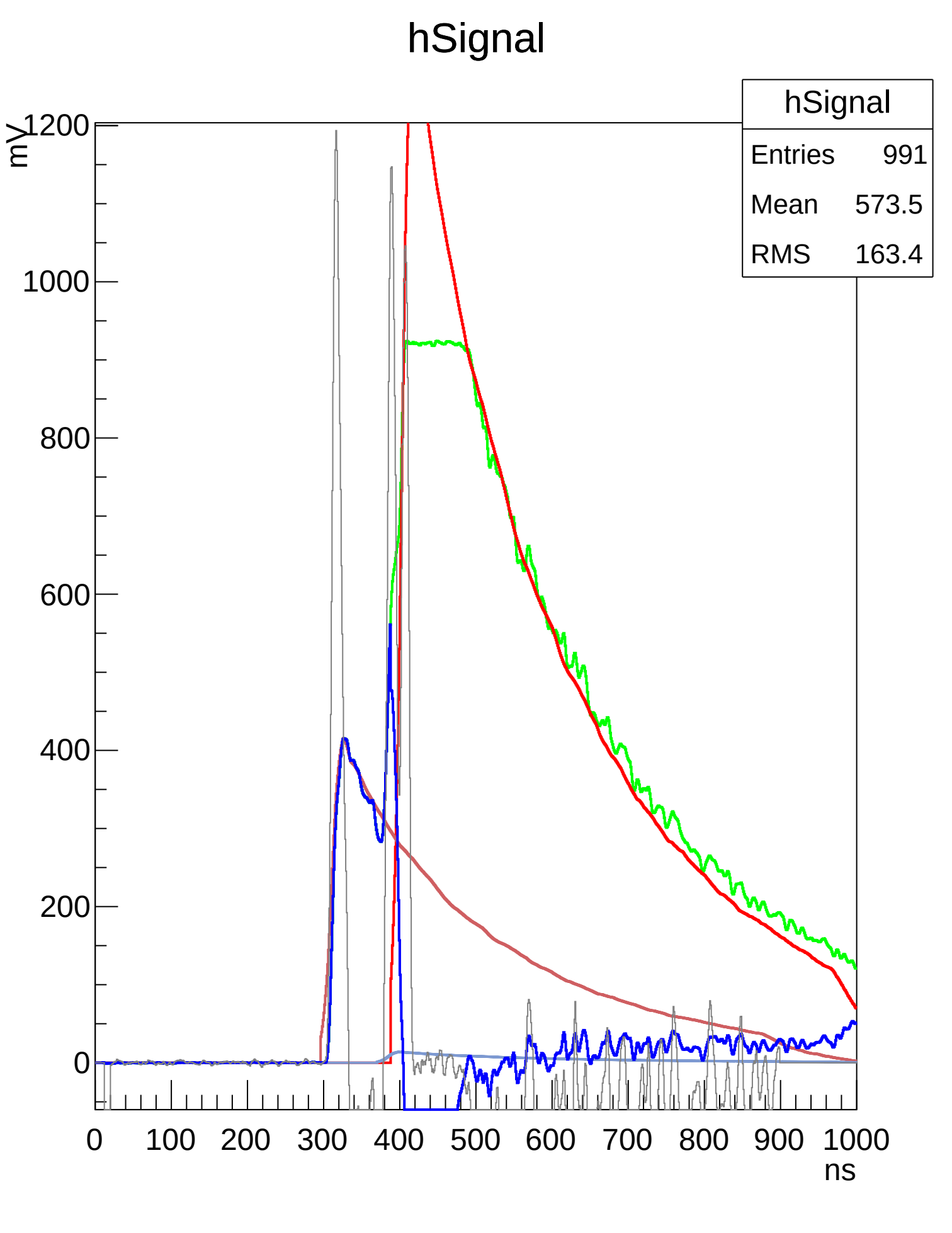

hSignal
hSignal
Entries 991
Mean 560.6
RMS 94.57
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

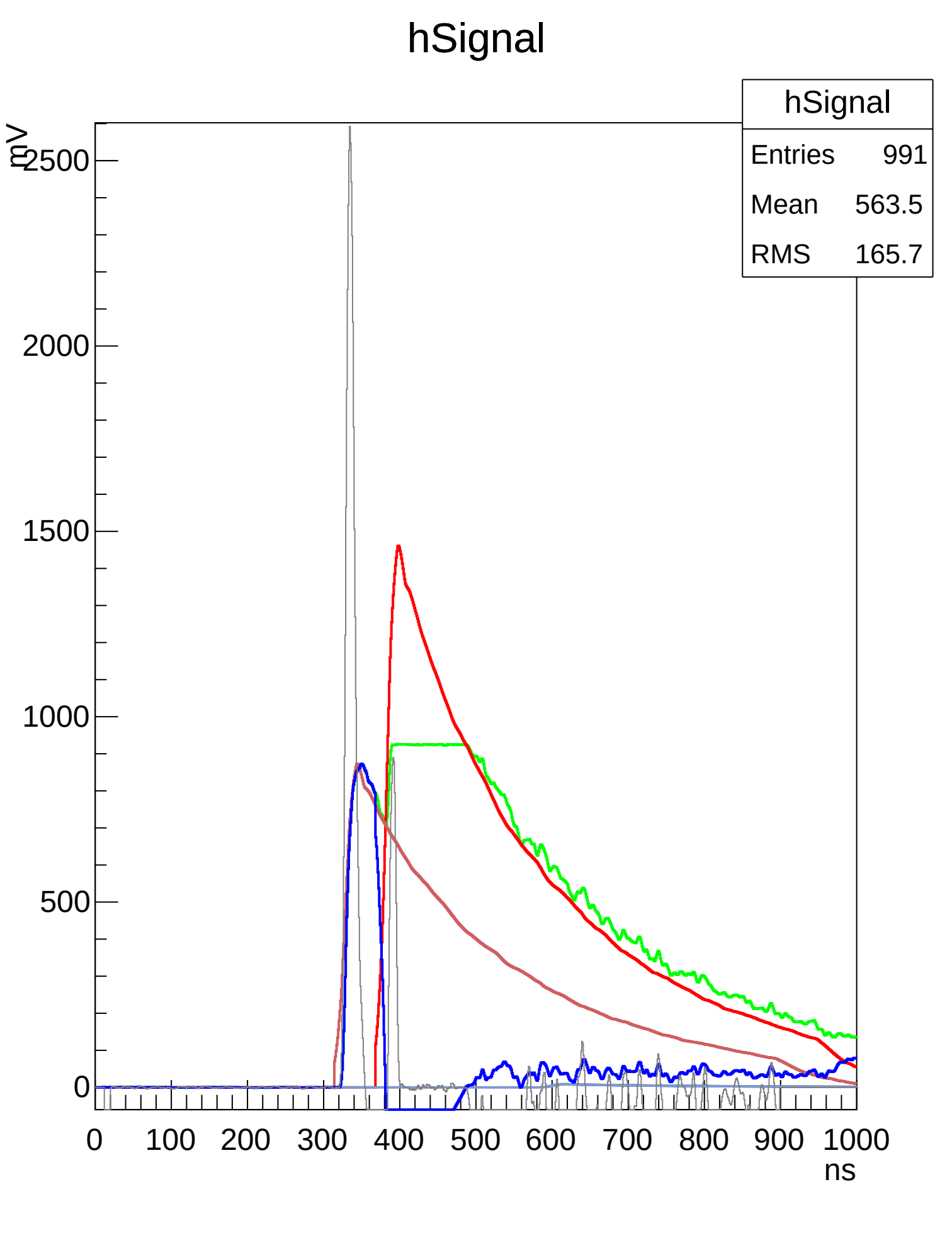

hSignal
hSignal
Entries 991
Mean 588
RMS 109.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

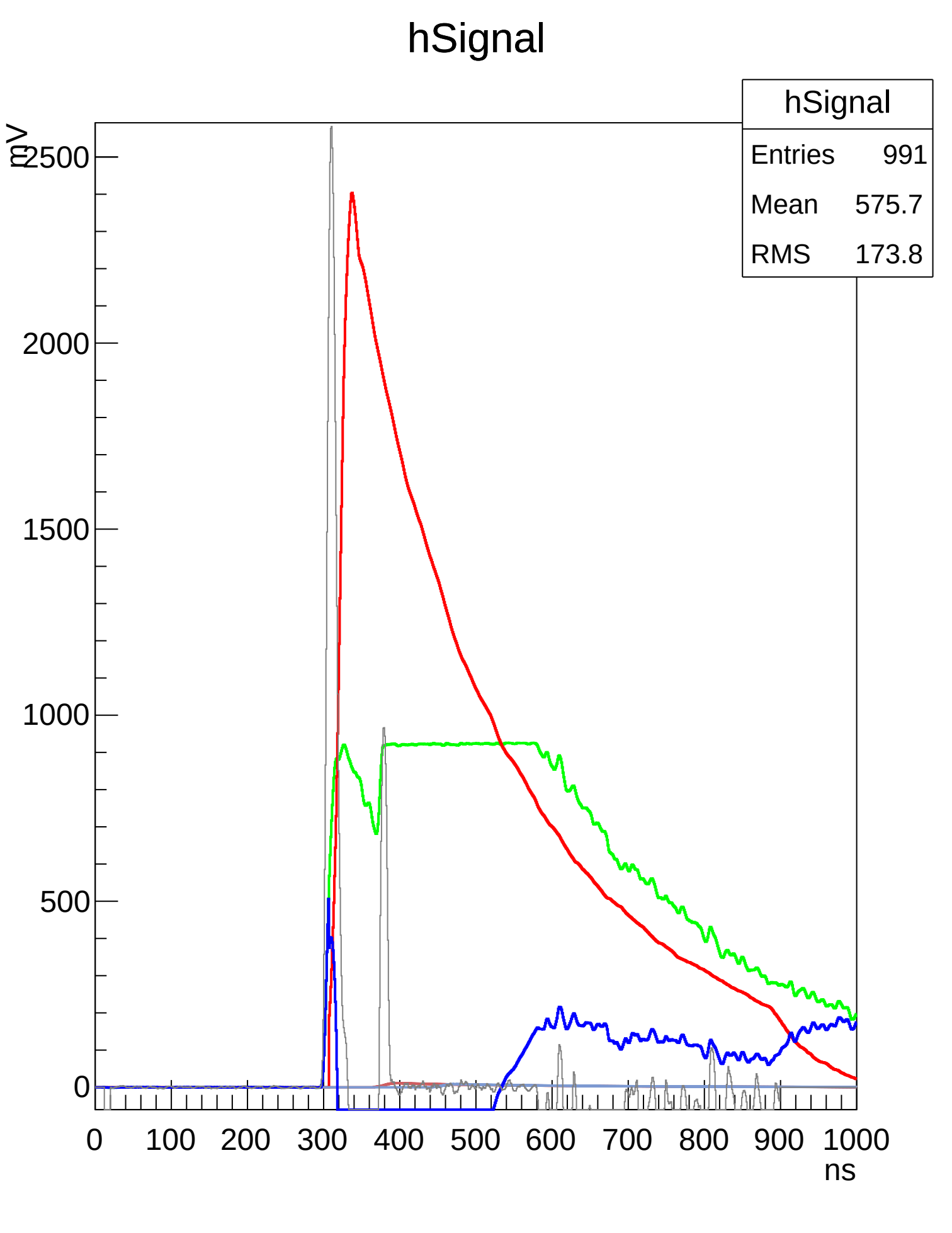

hSignal
hSignal
Entries 991
Mean 546.7
RMS 165
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

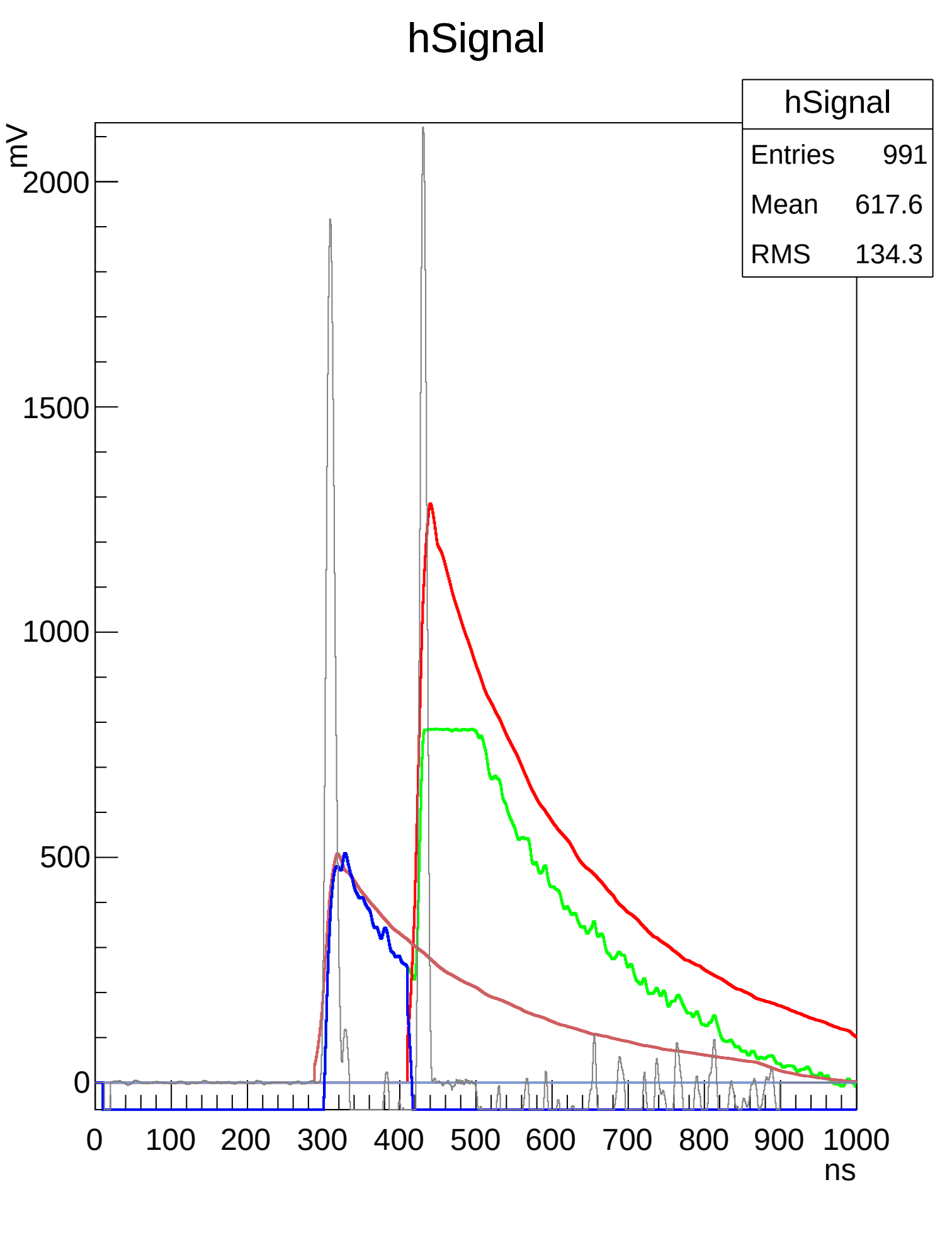

hSignal
hSignal
Entries 991
Mean 558.7
RMS 170.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

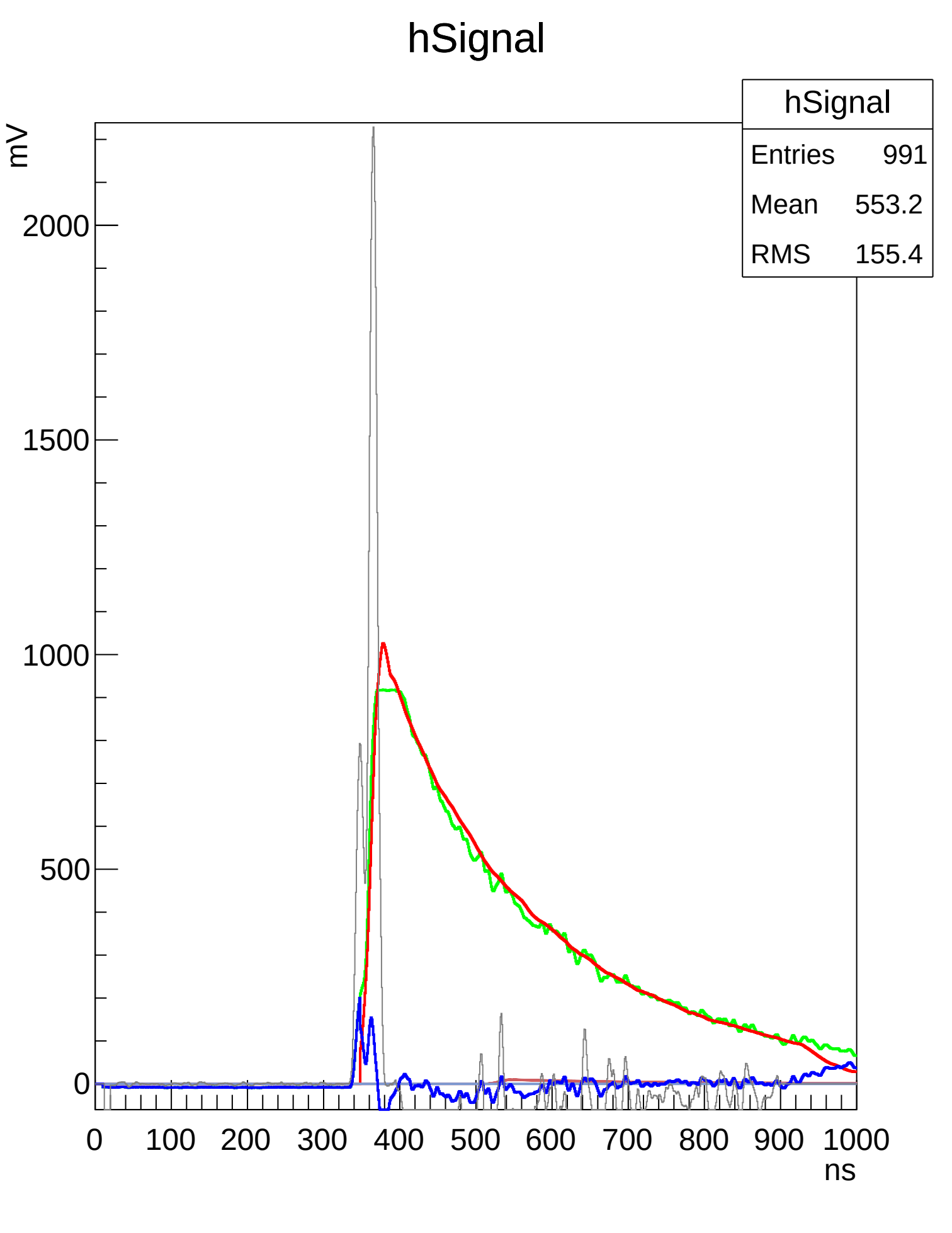

hSignal
hSignal
Entries 991
Mean 592.8
RMS 163.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

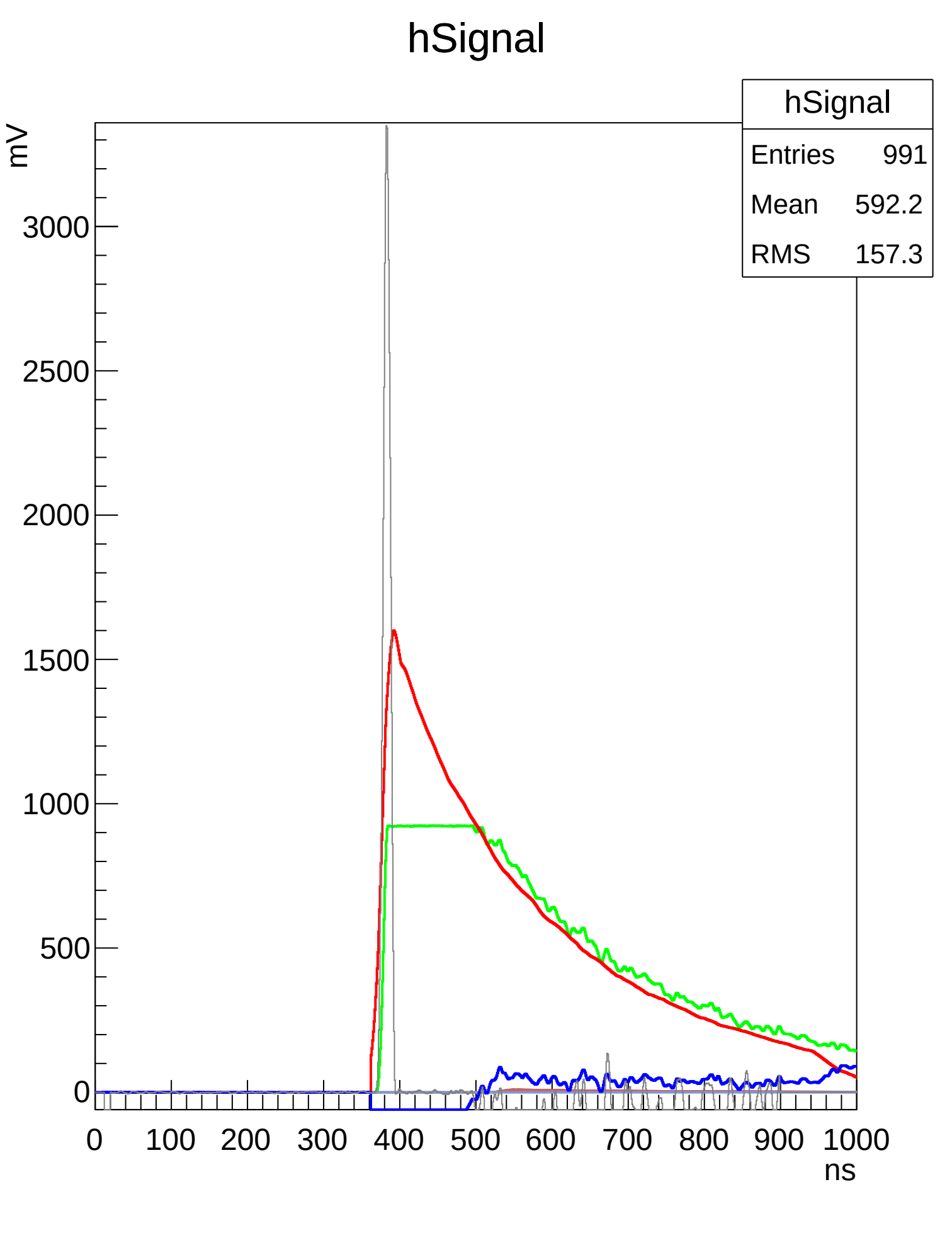

hSignal
hSignal
Entries 991
Mean 573.5
RMS 163.4
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

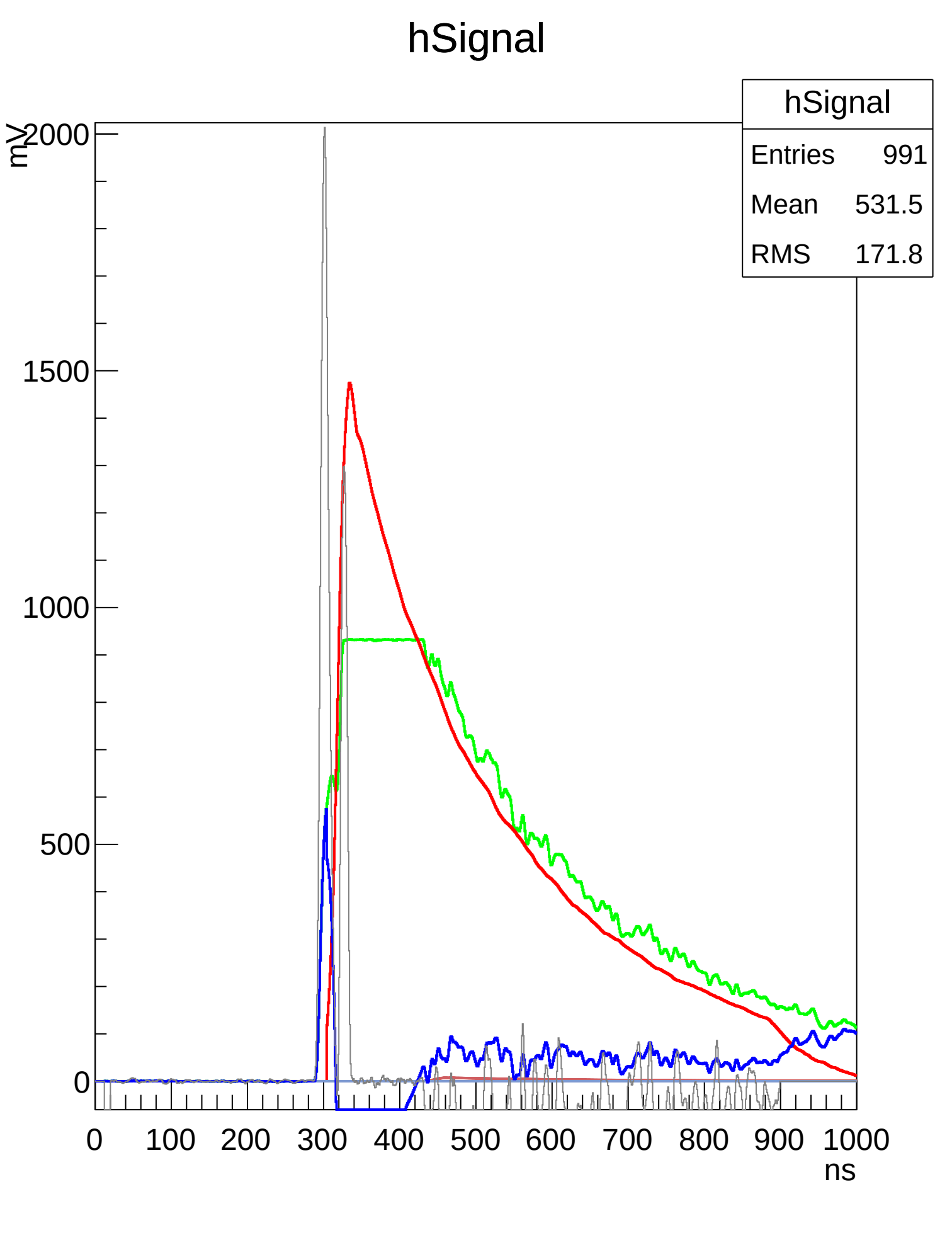

hSignal
hSignal
Entries 991
Mean 563.5
RMS 165.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

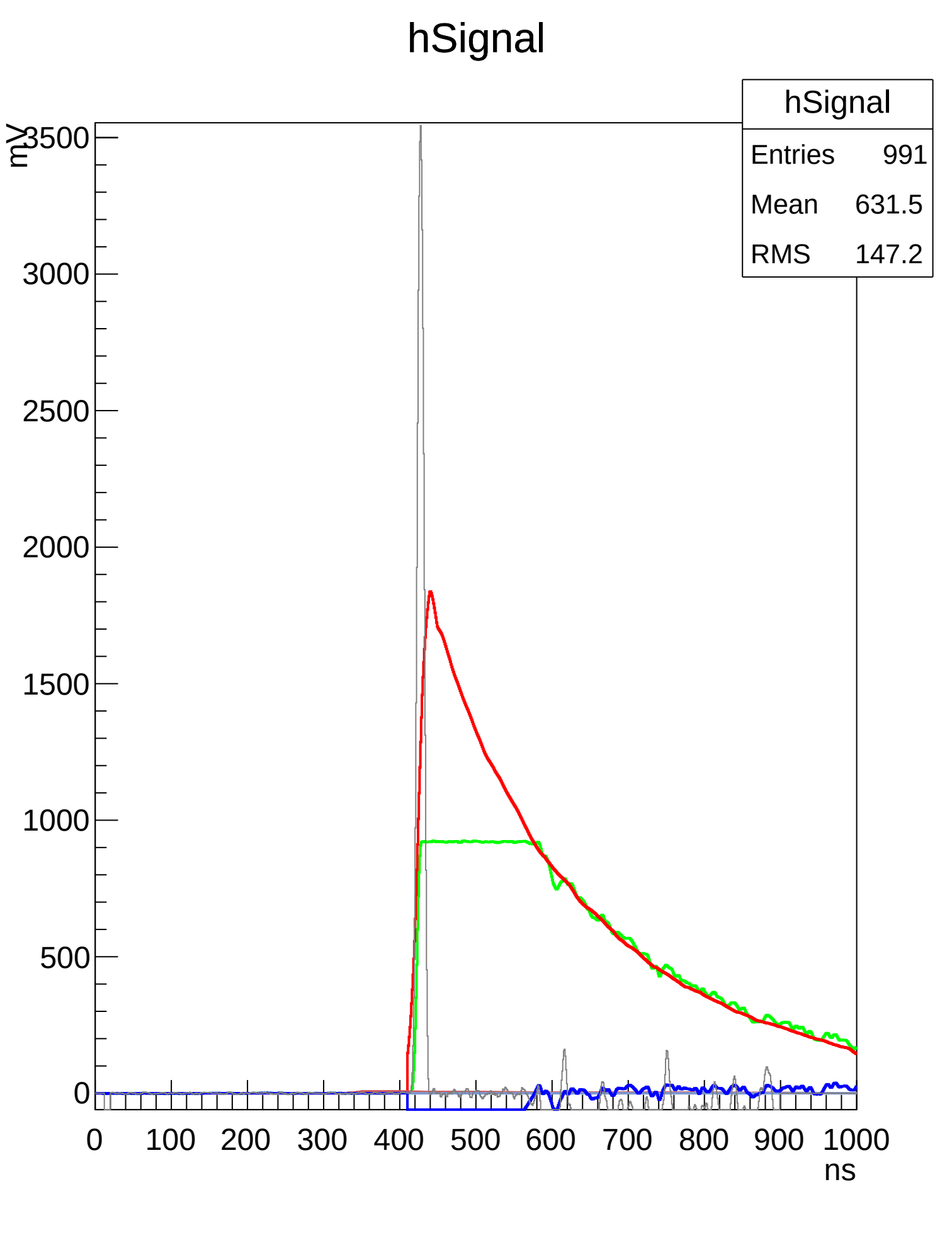

hSignal
hSignal
Entries 991
Mean 575.7
RMS 173.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

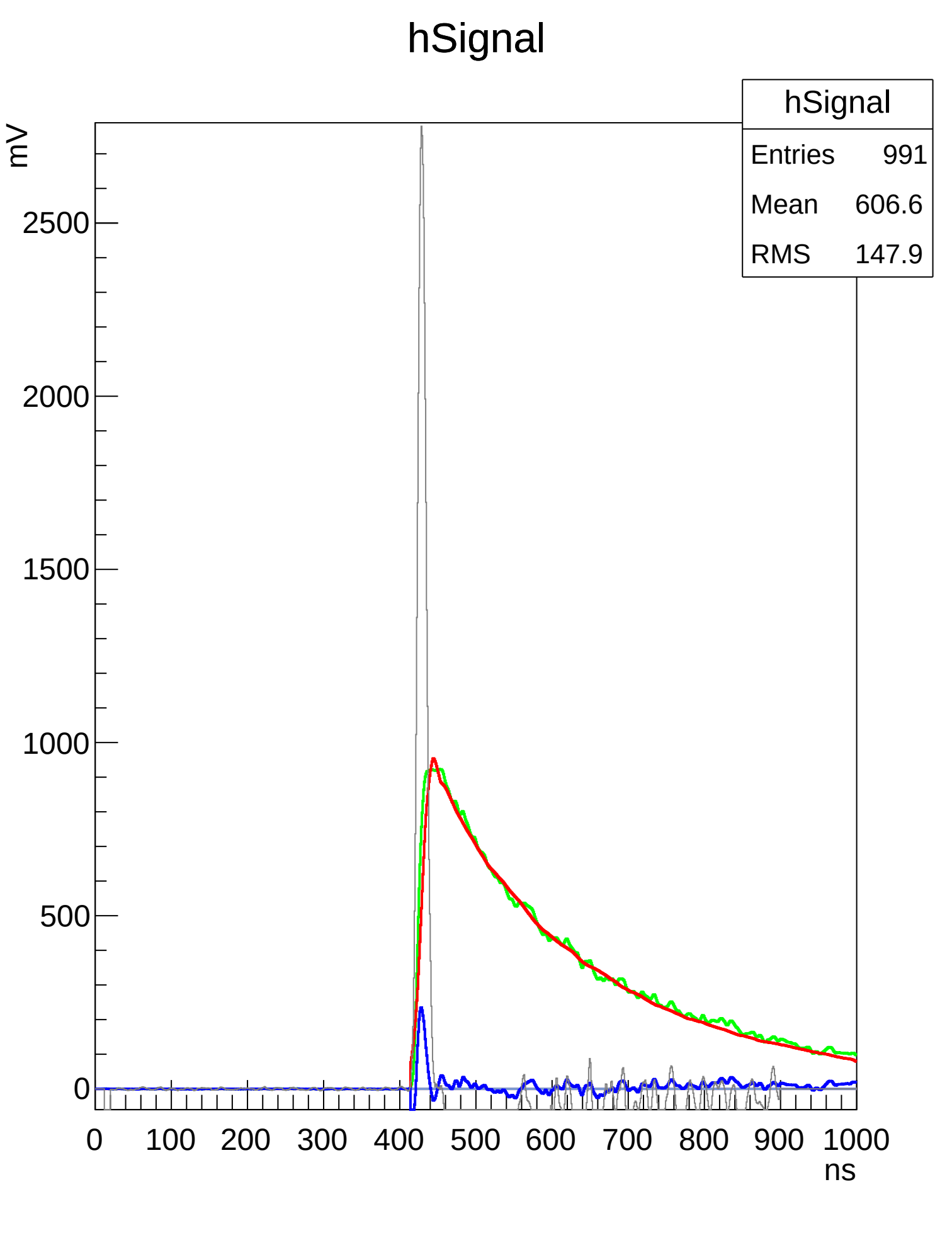

hSignal
hSignal
Entries 991
Mean 617.6
RMS 134.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

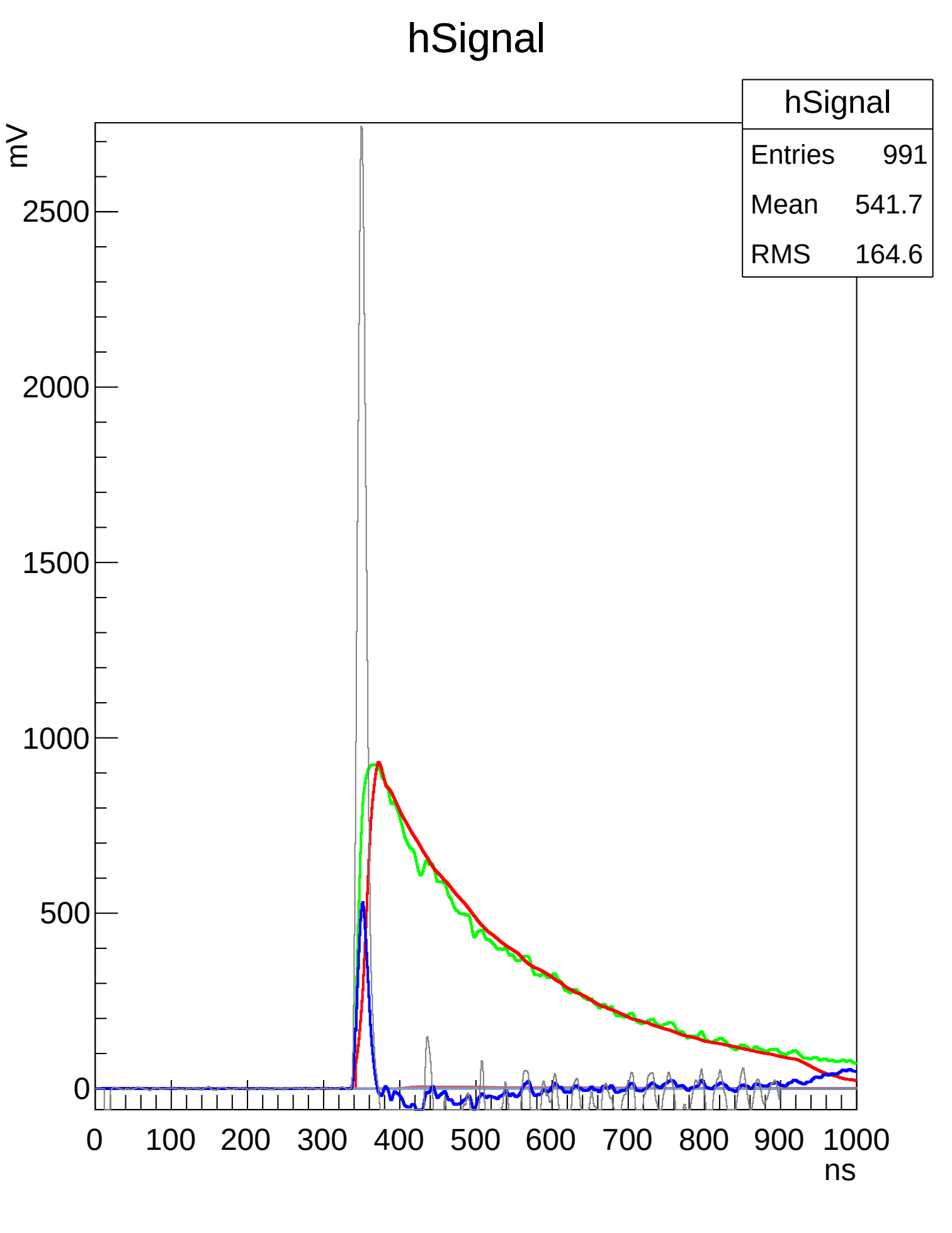

hSignal
hSignal
Entries 991
Mean 553.2
RMS 155.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

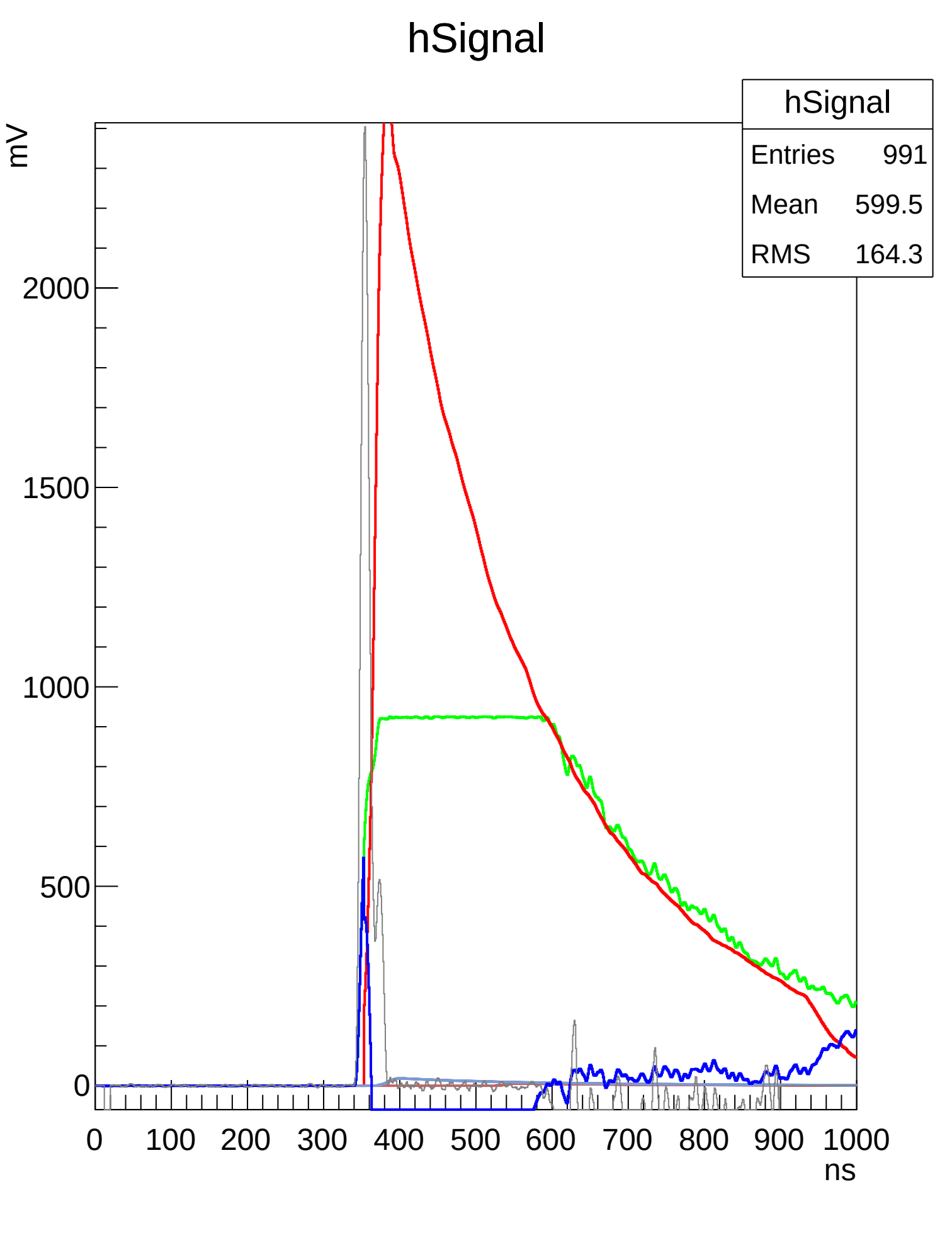

hSignal
hSignal
Entries 991
Mean 592.2
RMS 157.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

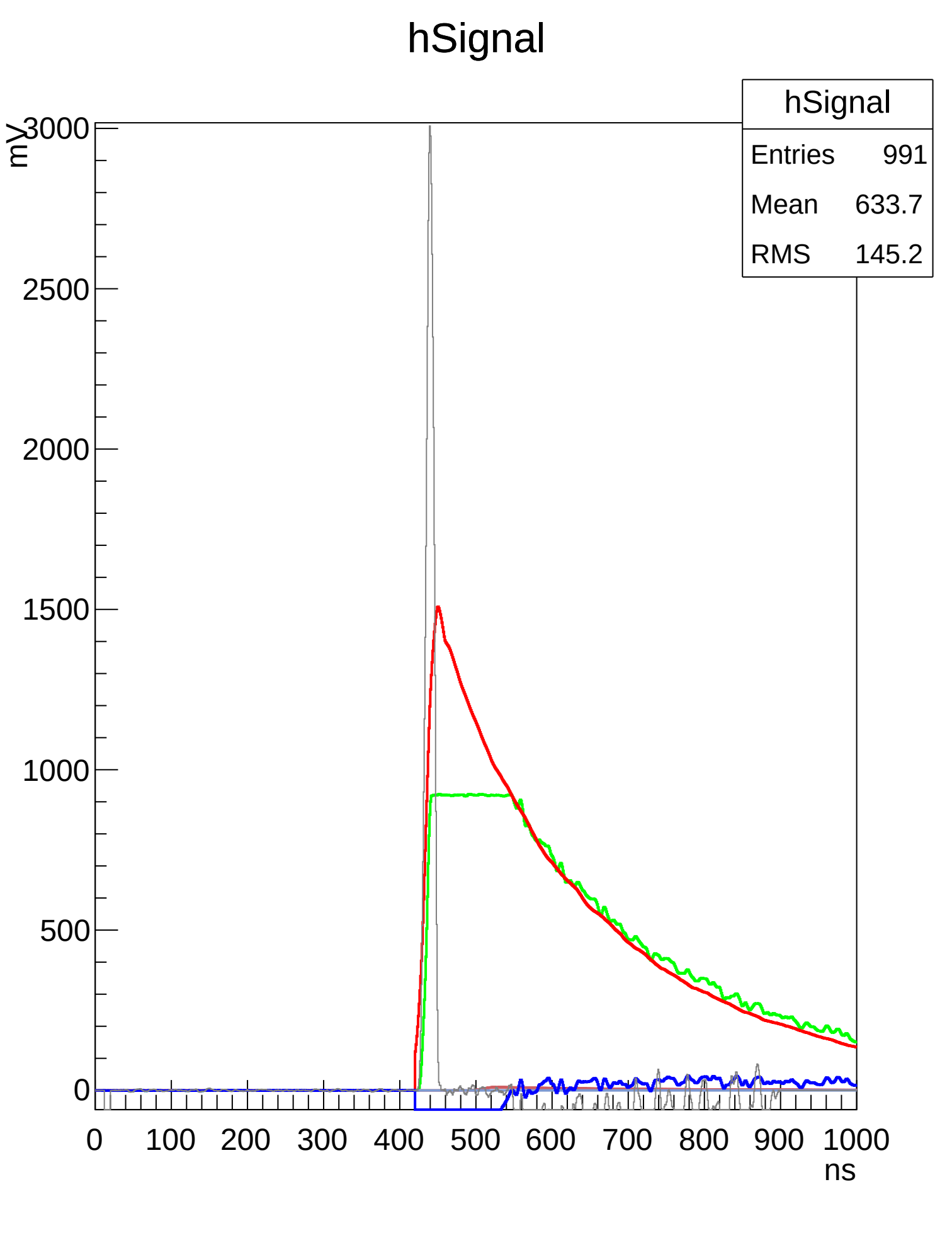

hSignal
hSignal
Entries 991
Mean 531.5
RMS 171.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

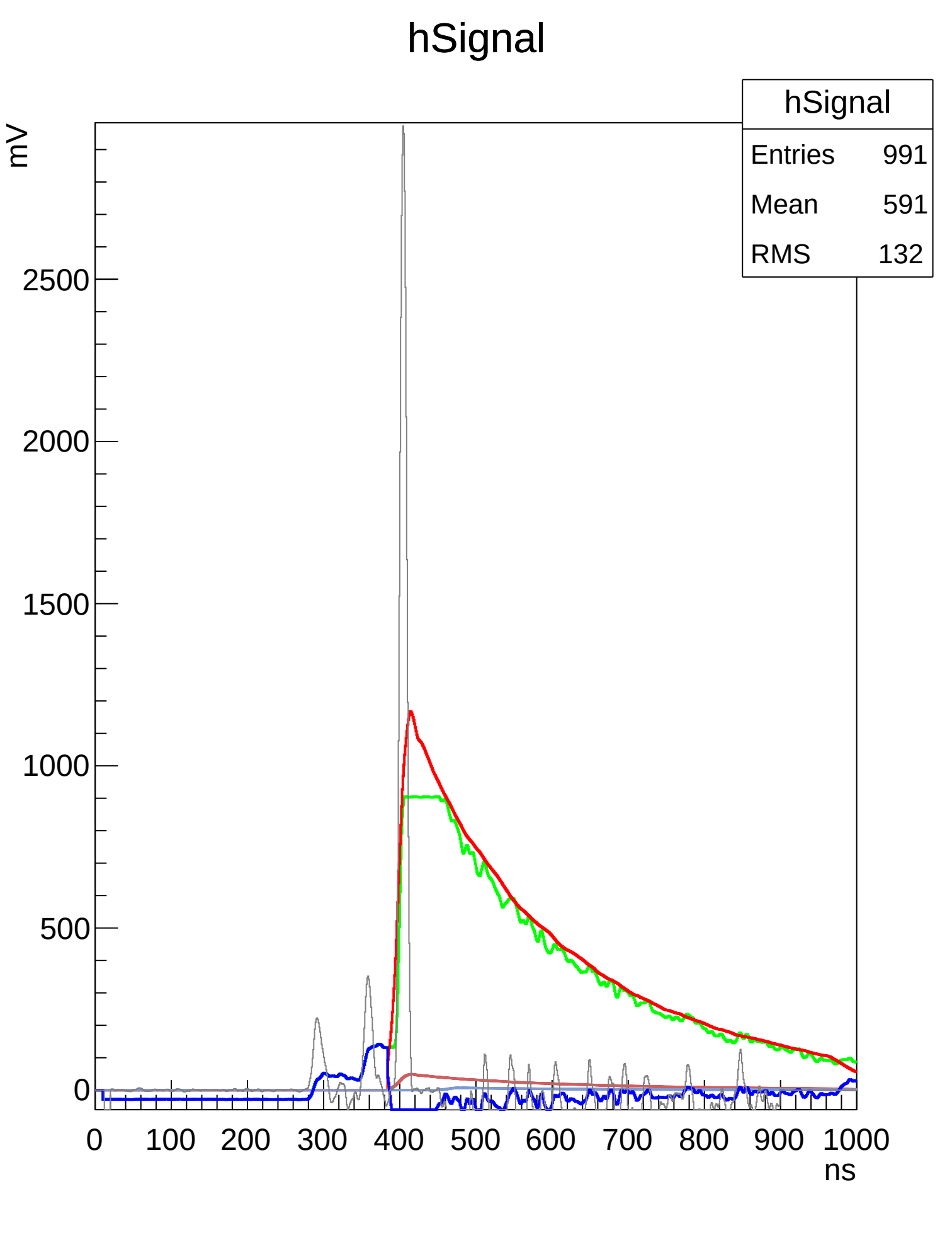

hSignal
hSignal
Entries 991
Mean 631.5
RMS 147.2
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

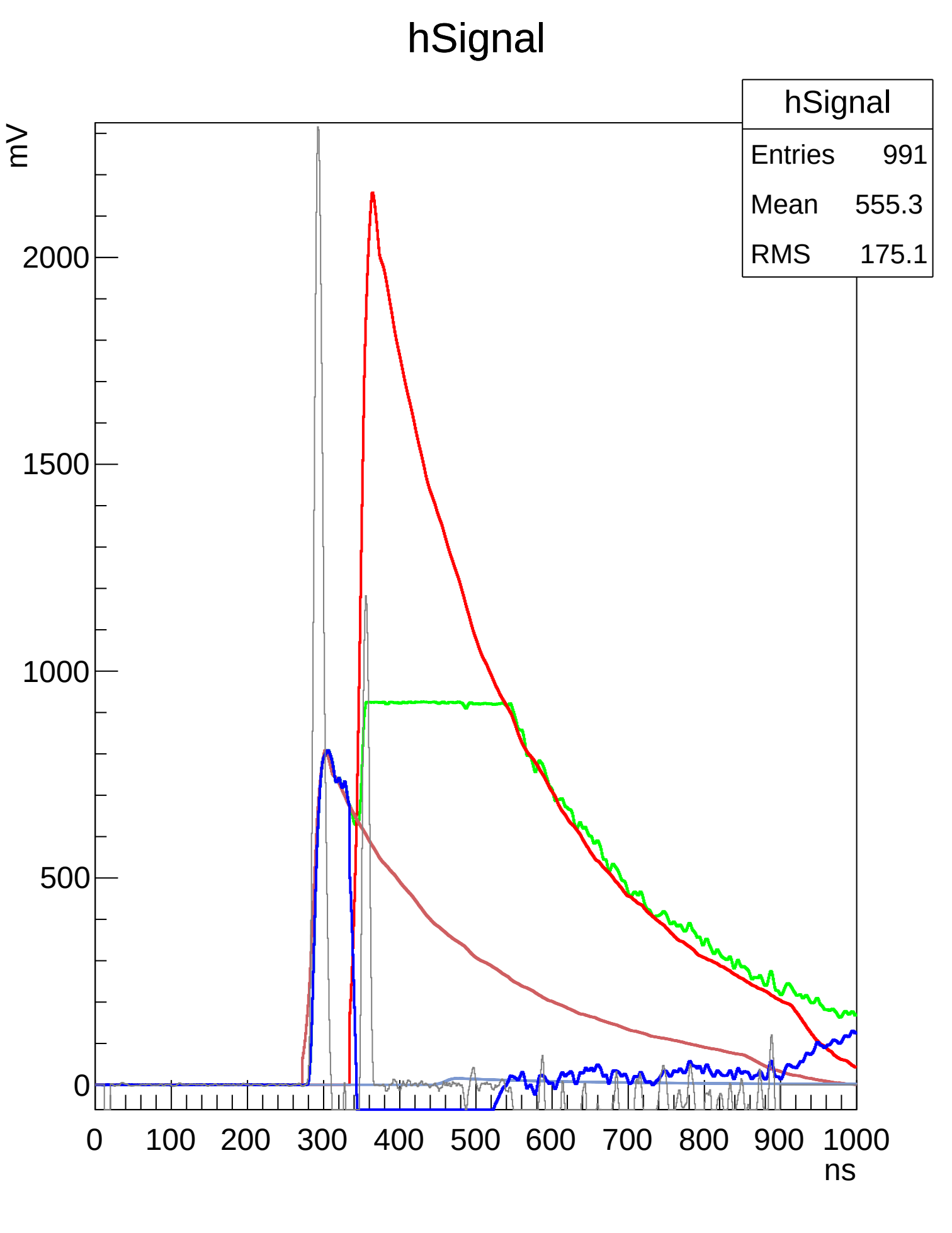

hSignal
hSignal
Entries 991
Mean 606.6
RMS 147.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

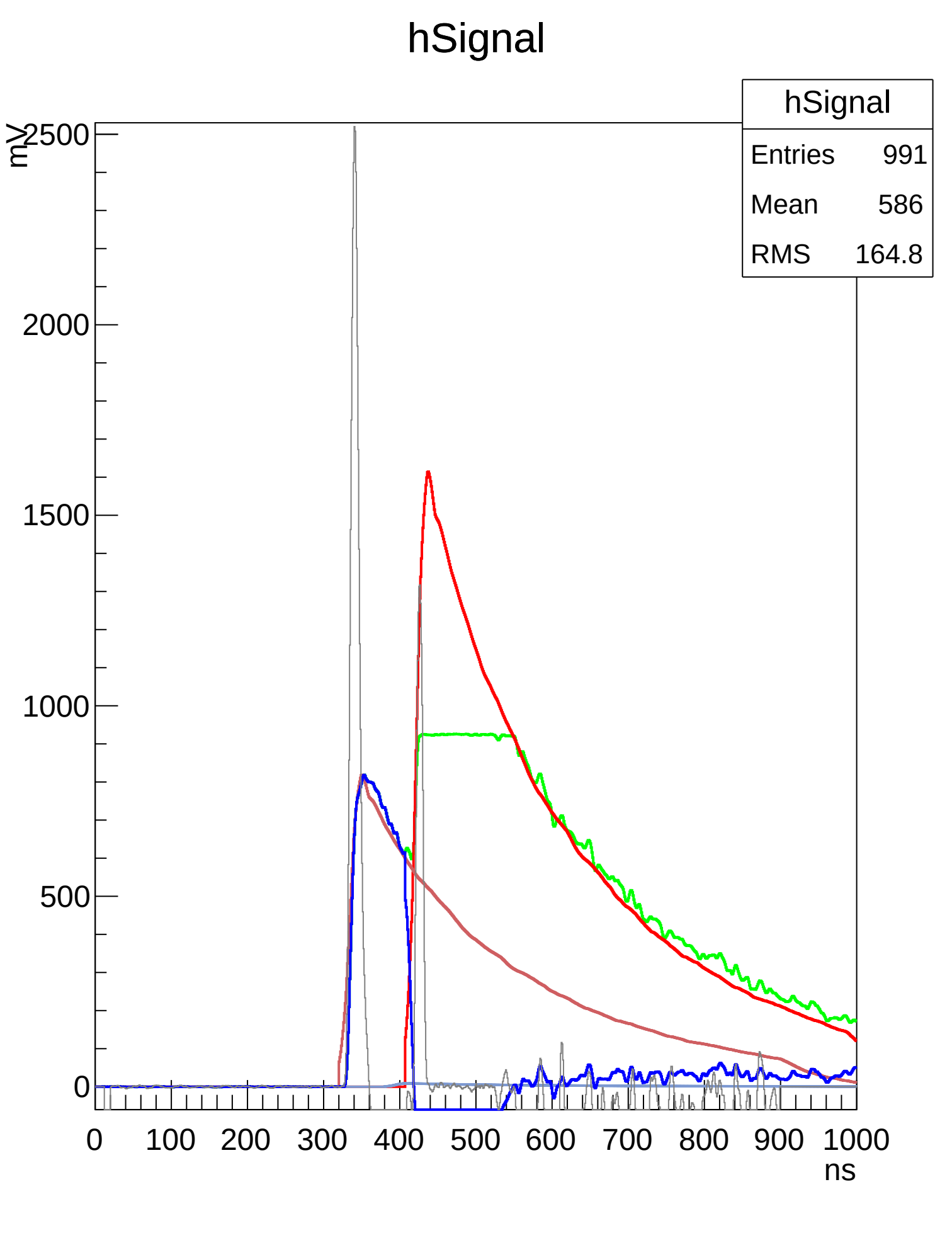

hSignal
hSignal
Entries 991
Mean 541.7
RMS 164.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

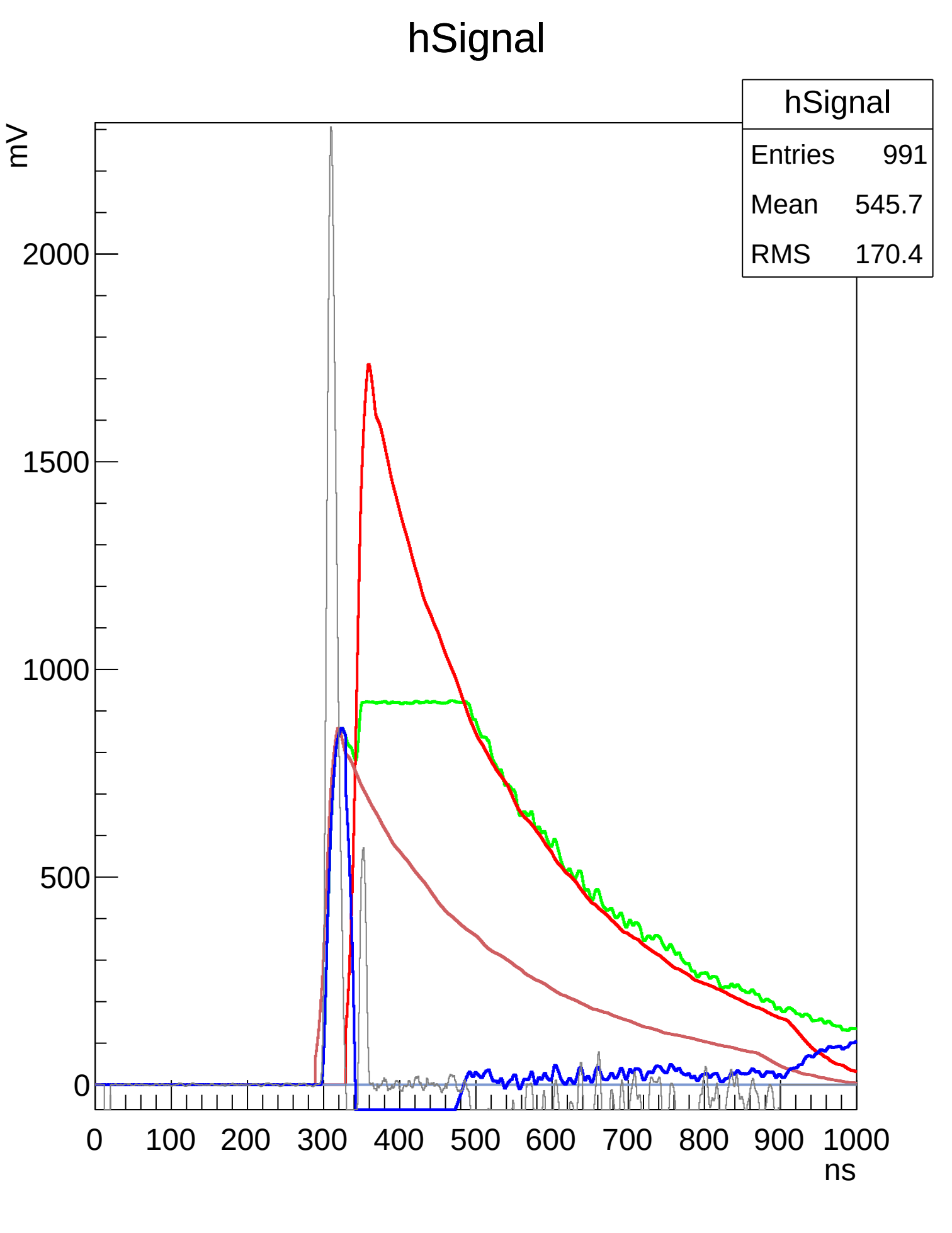

hSignal
hSignal
Entries 991
Mean 599.5
RMS 164.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

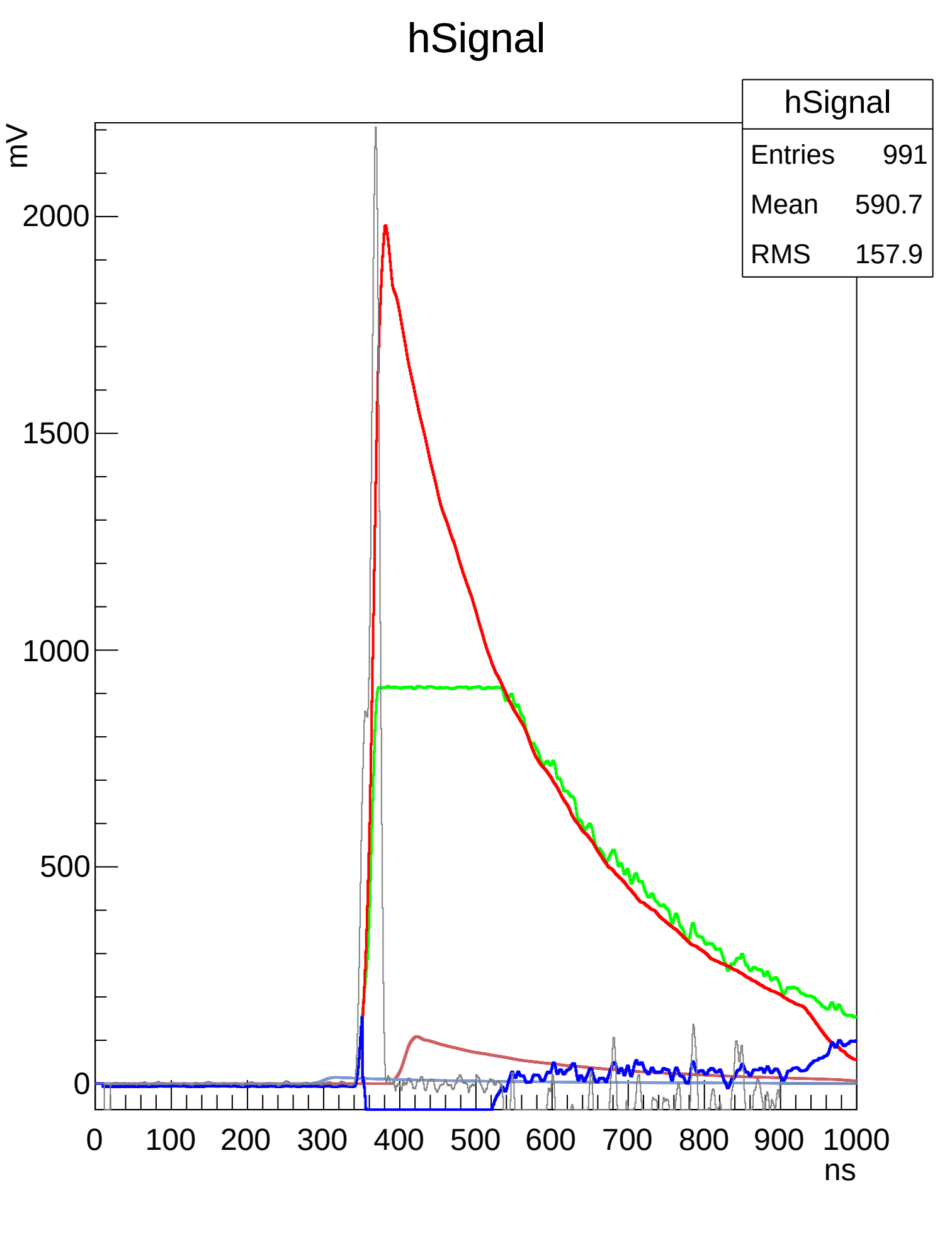

hSignal
hSignal
Entries 991
Mean 633.7
RMS 145.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

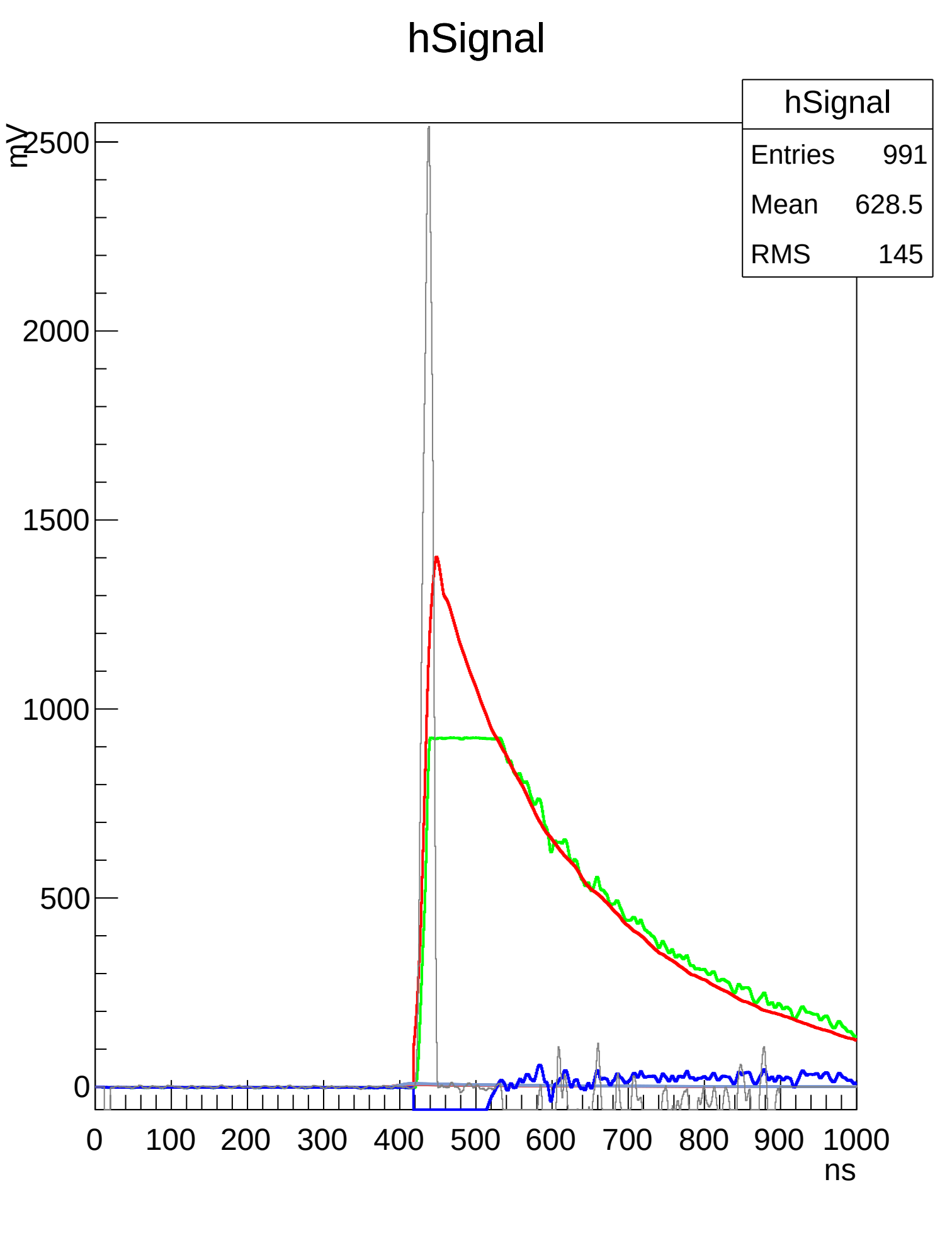

hSignal
hSignal
Entries 991
Mean 591
RMS 132
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

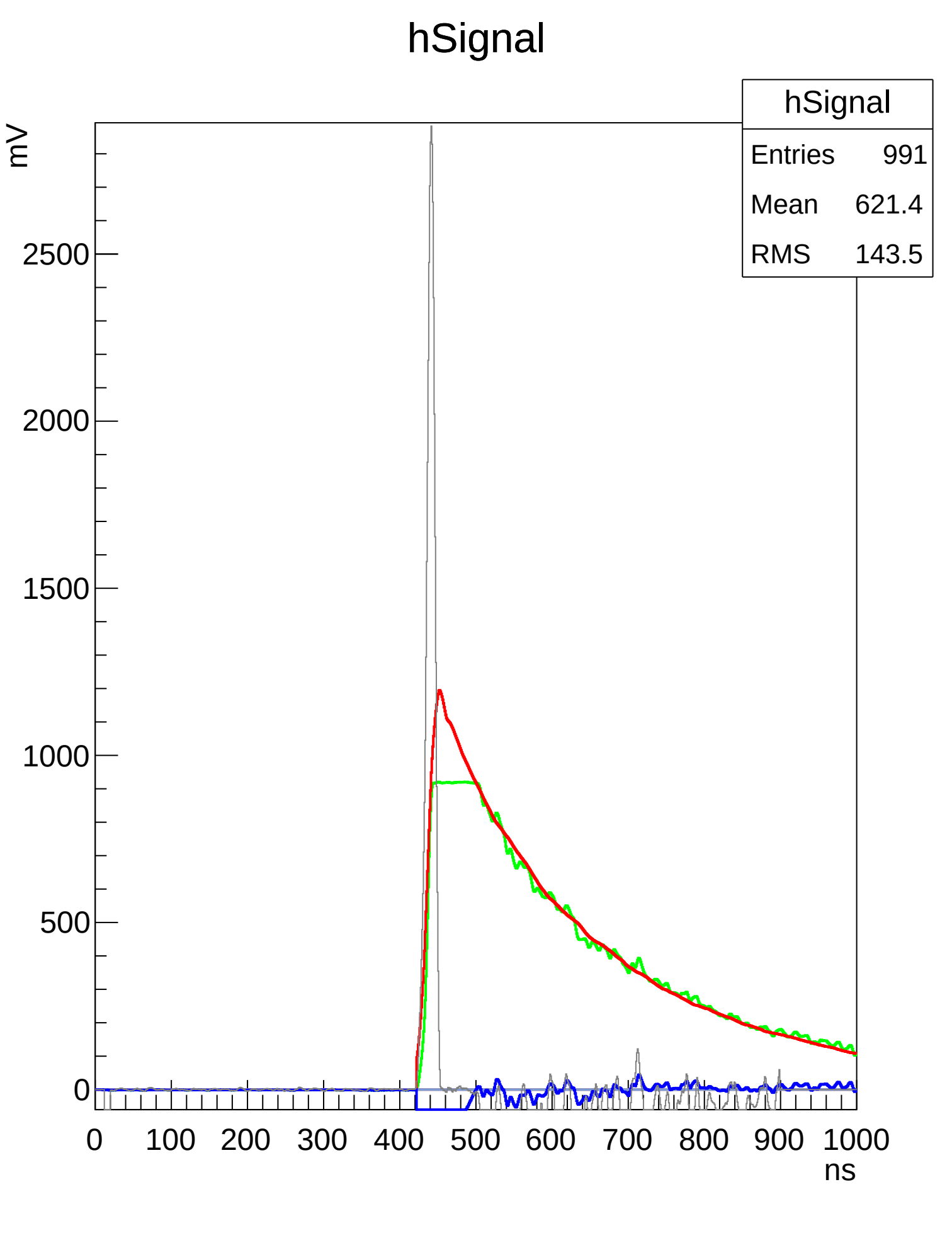

hSignal
hSignal
Entries 991
Mean 555.3
RMS 175.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

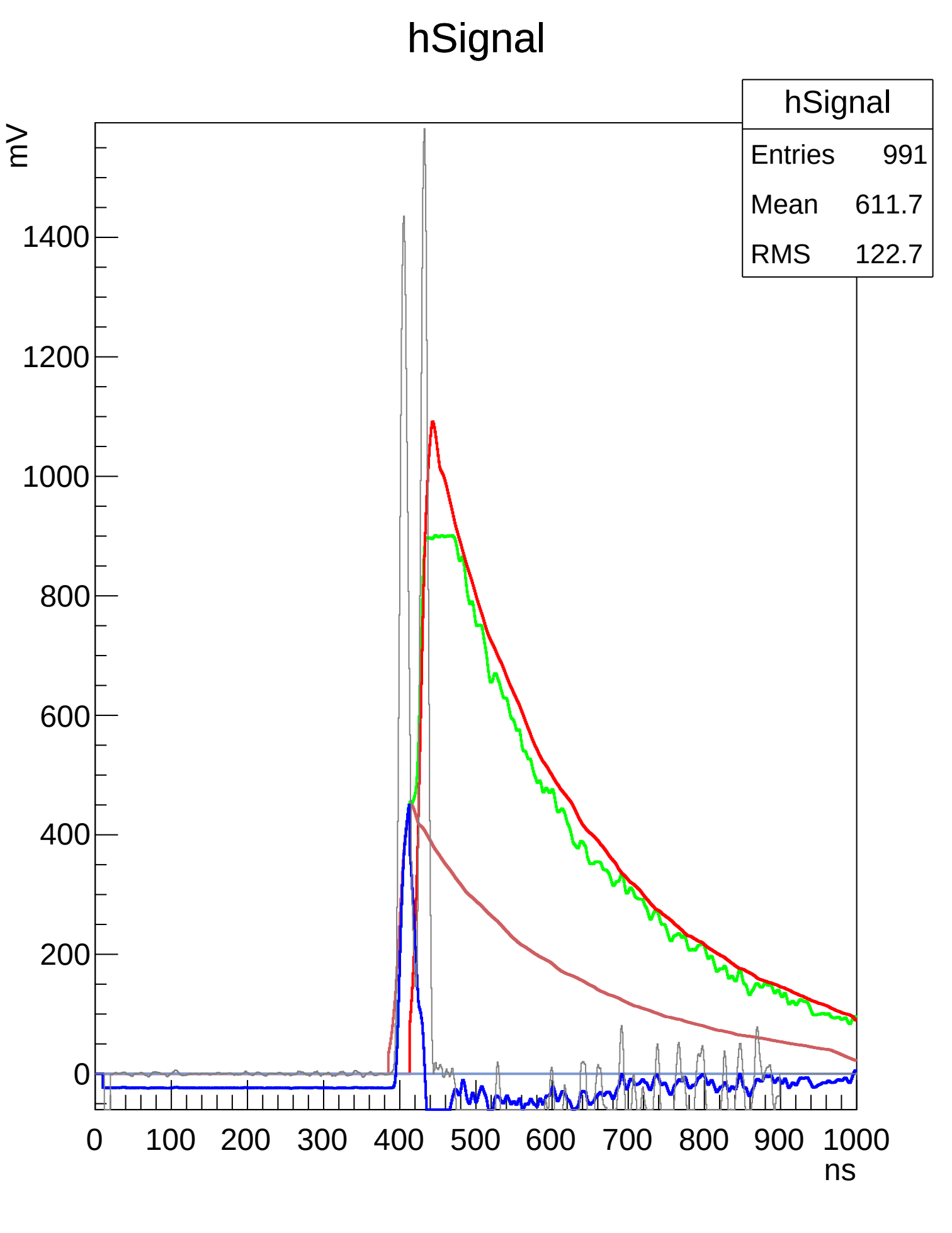

hSignal
hSignal
Entries 991
Mean 586
RMS 164.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

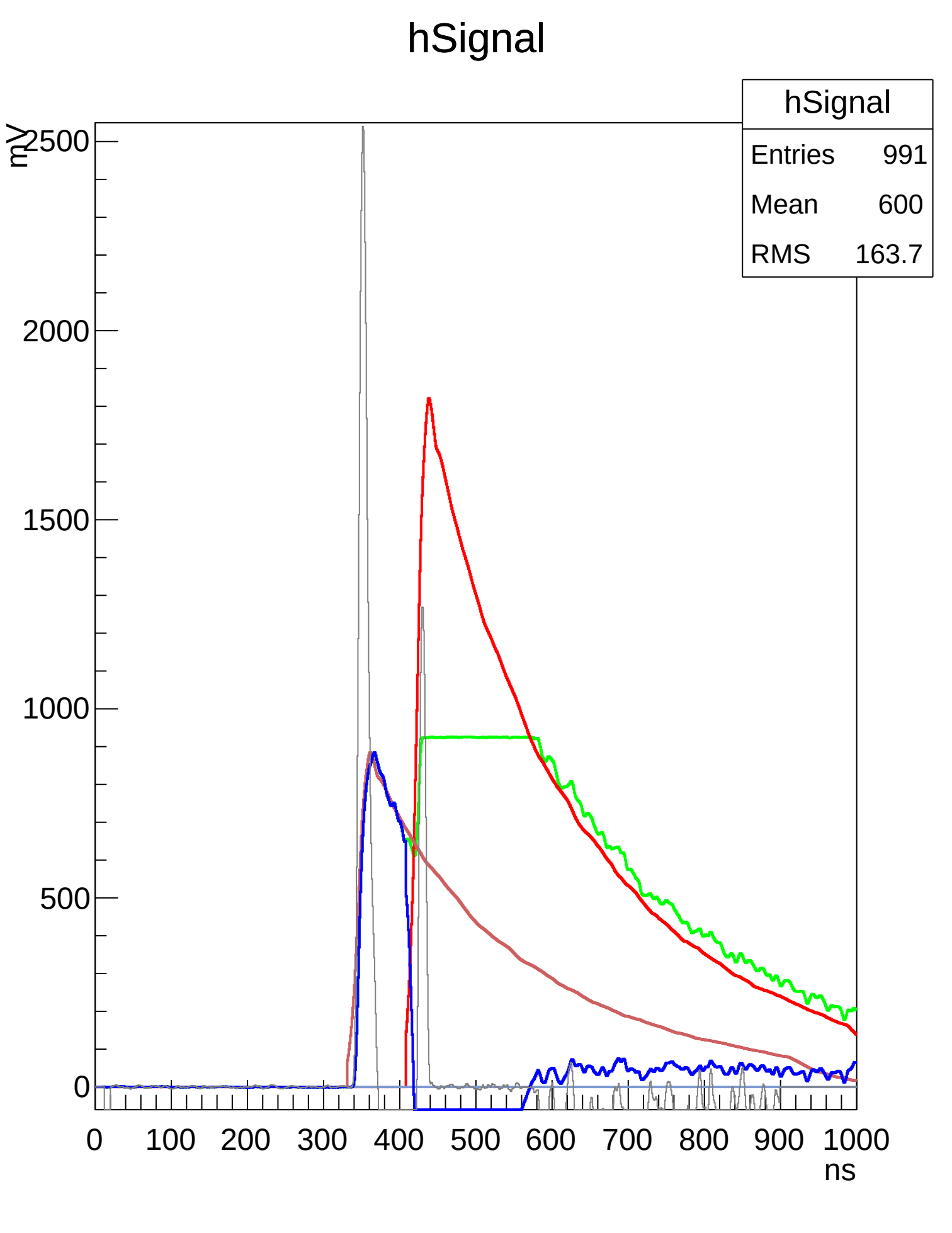

hSignal
hSignal
Entries 991
Mean 545.7
RMS 170.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

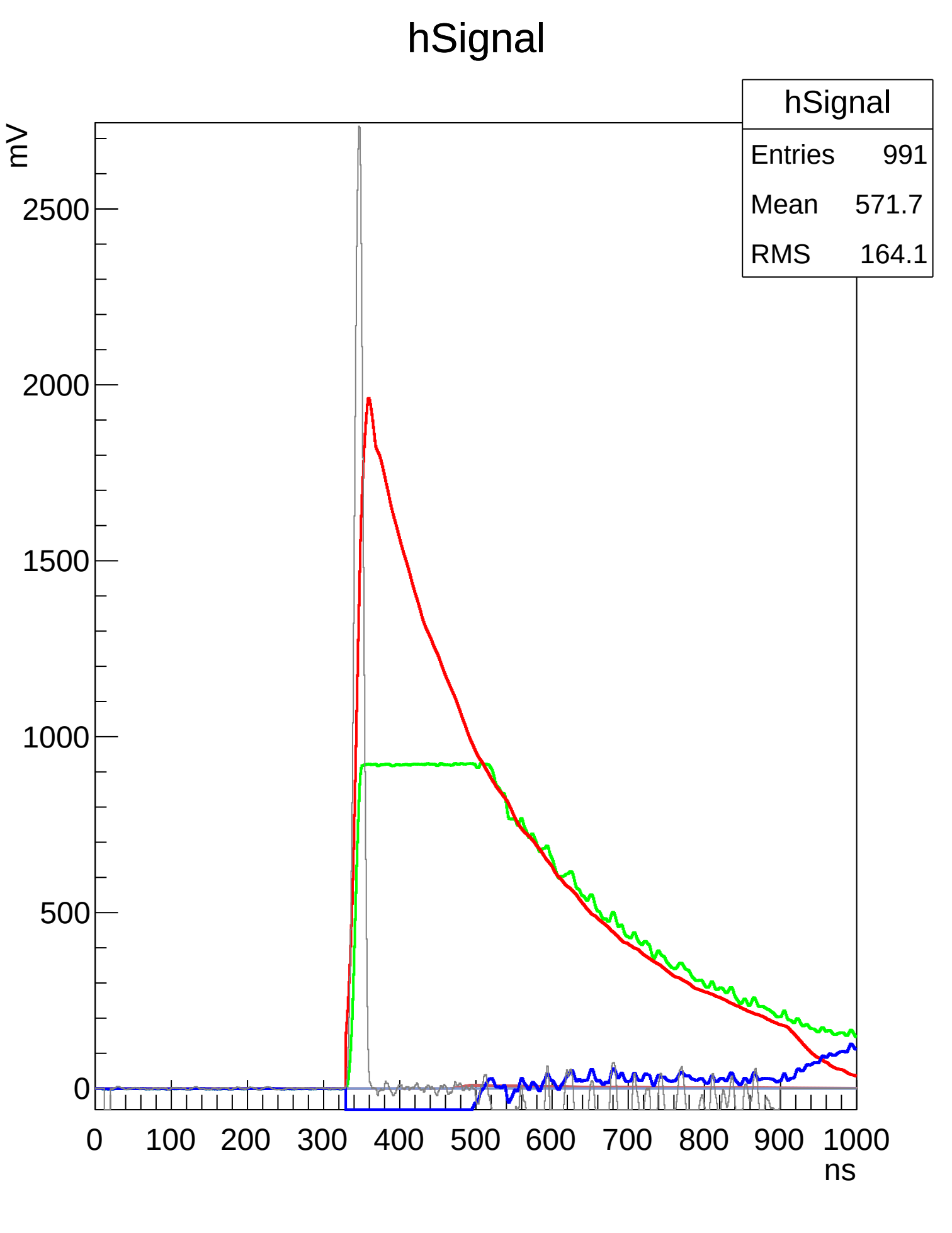

hSignal
hSignal
Entries 991
Mean 590.7
RMS 157.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

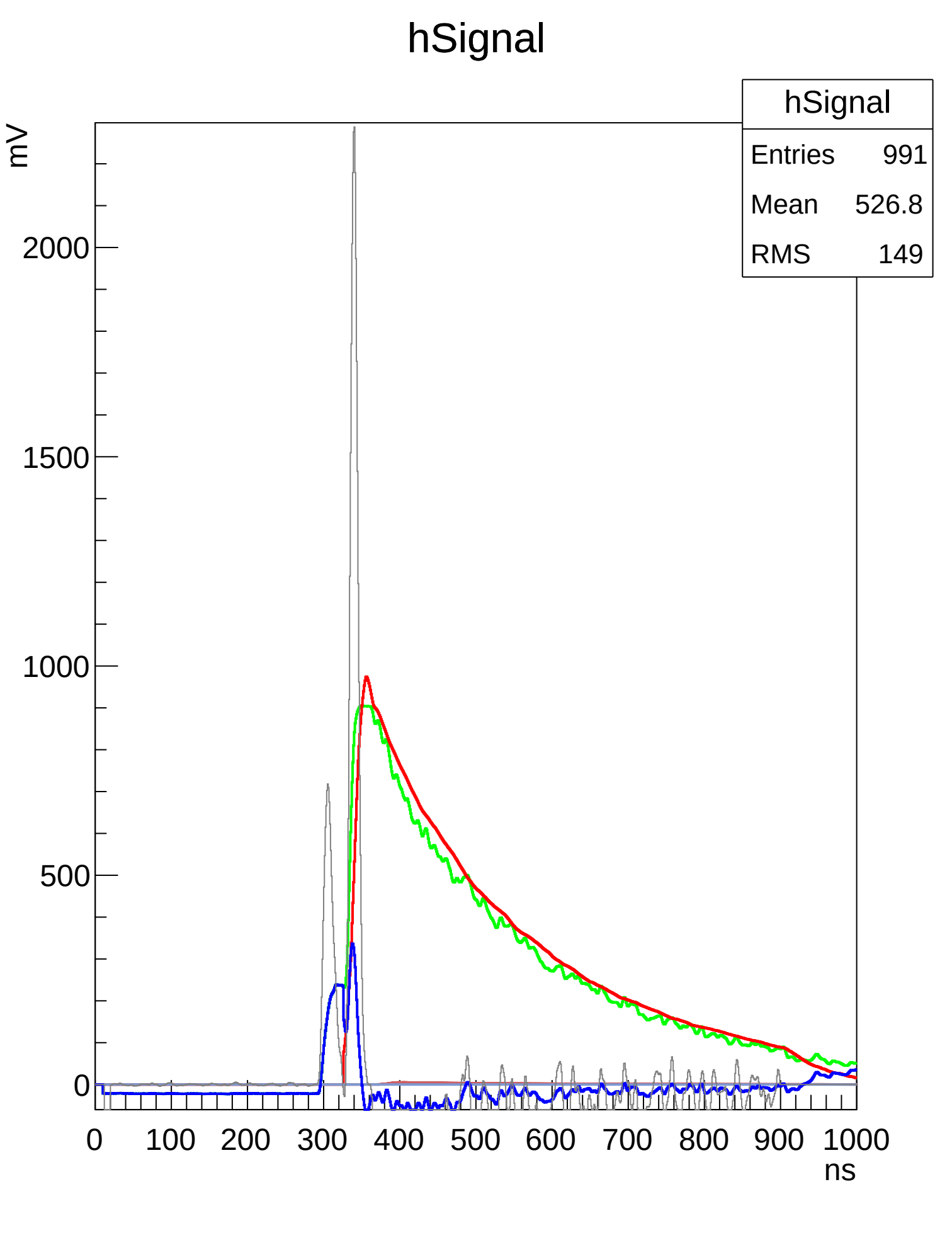

hSignal
hSignal
Entries 991
Mean 628.5
RMS 145
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

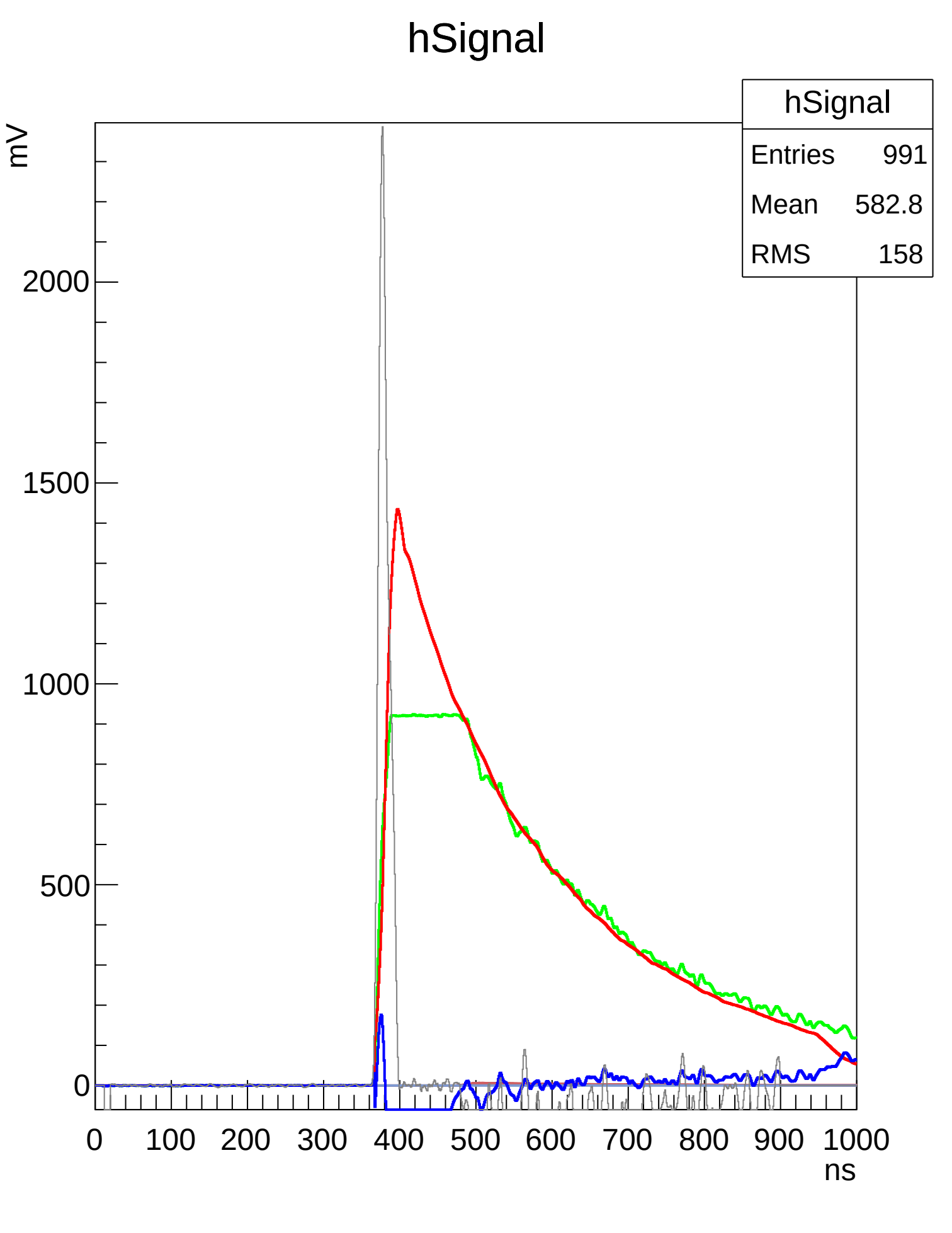

hSignal
hSignal
Entries 991
Mean 621.4
RMS 143.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

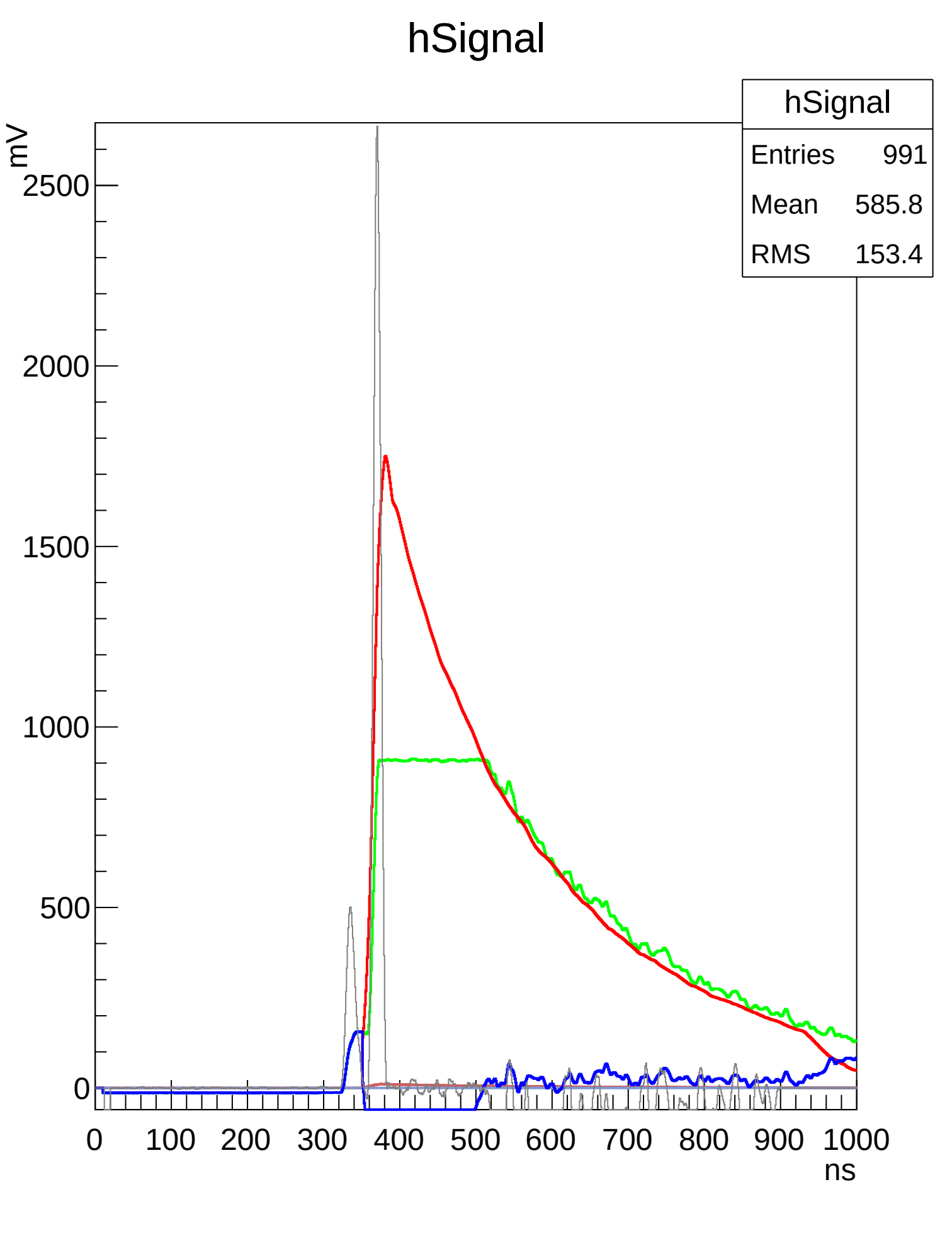

hSignal
hSignal
Entries 991
Mean 611.7
RMS 122.7
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

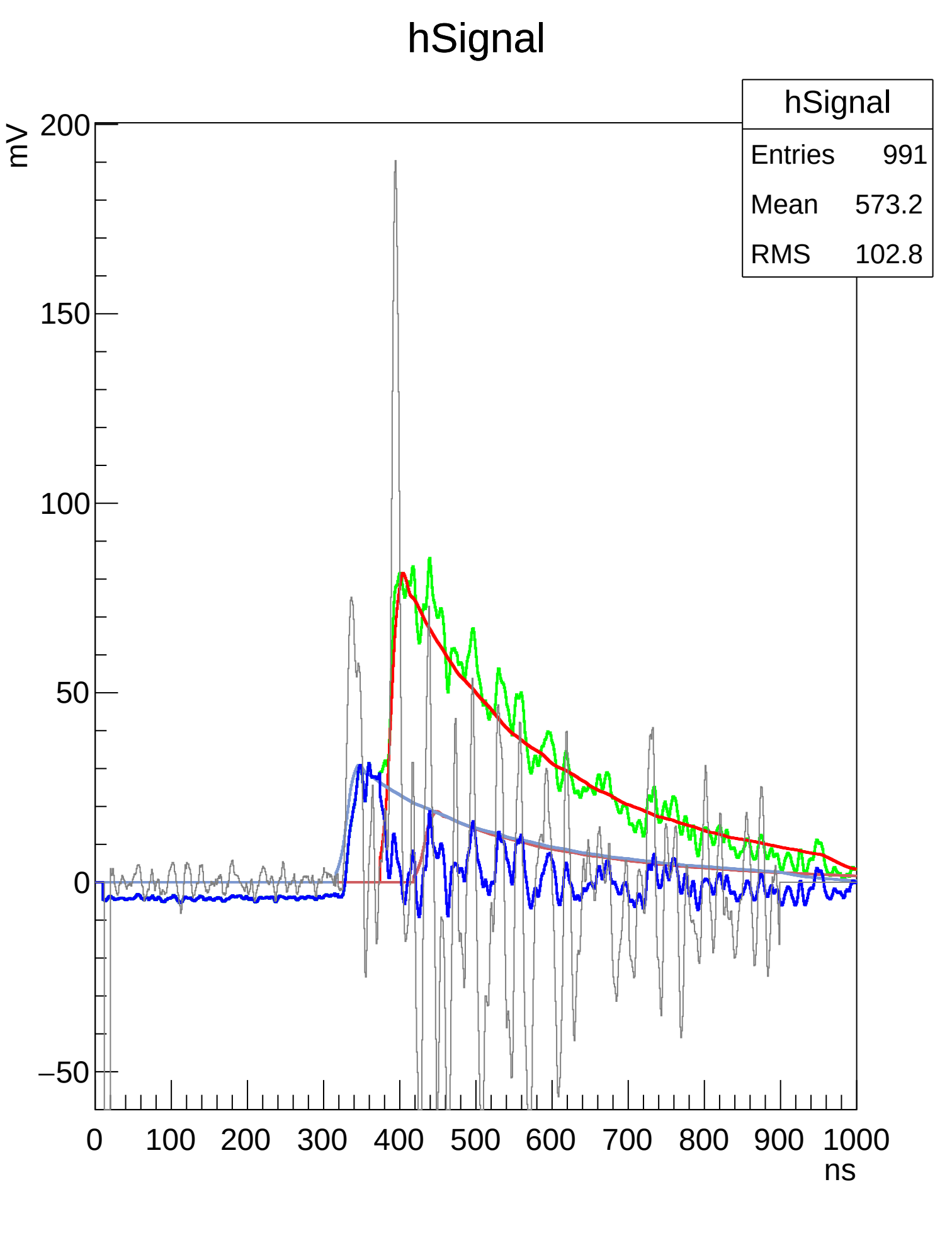

hSignal
hSignal
Entries 991
Mean 600
RMS 163.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

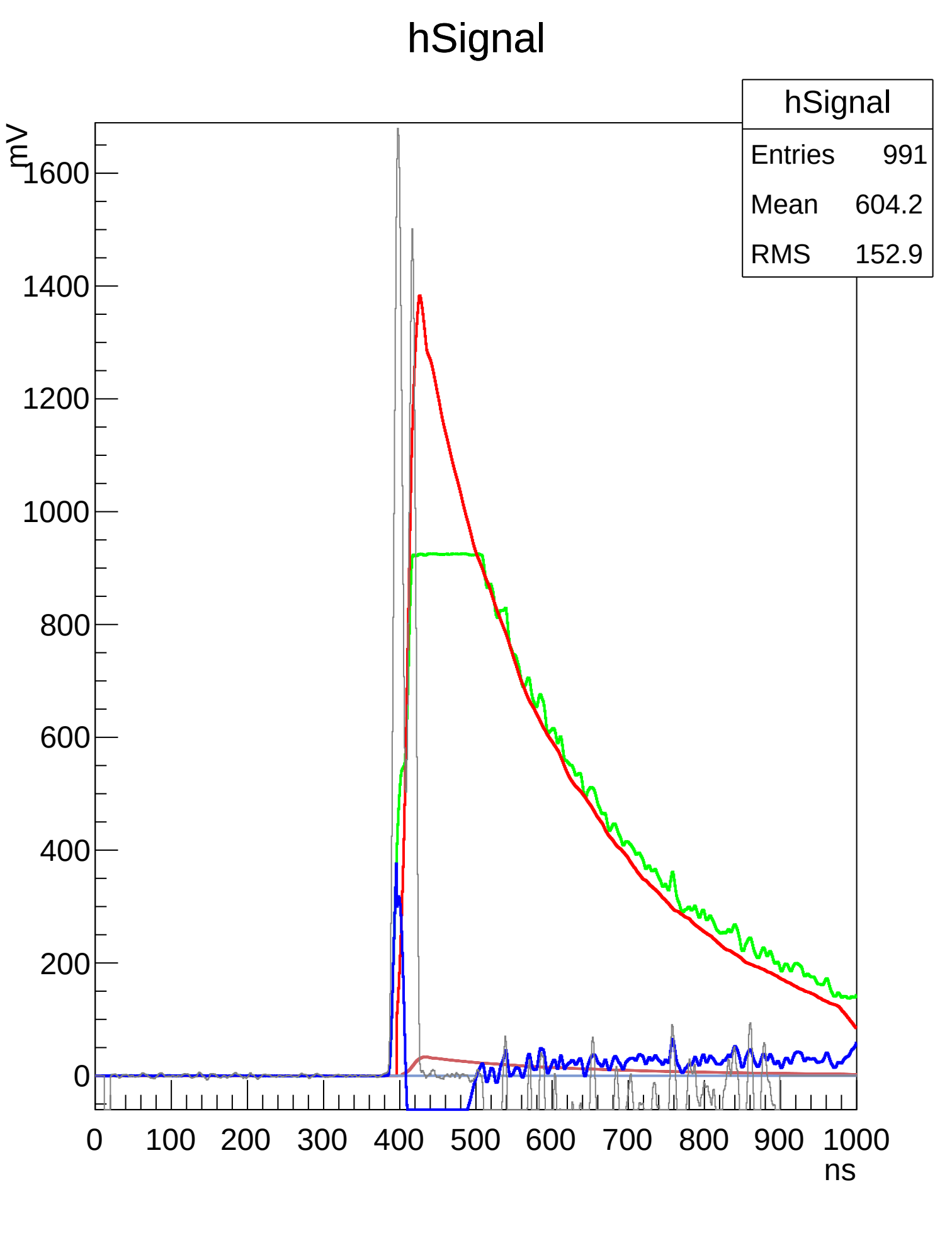

hSignal
hSignal
Entries 991
Mean 571.7
RMS 164.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

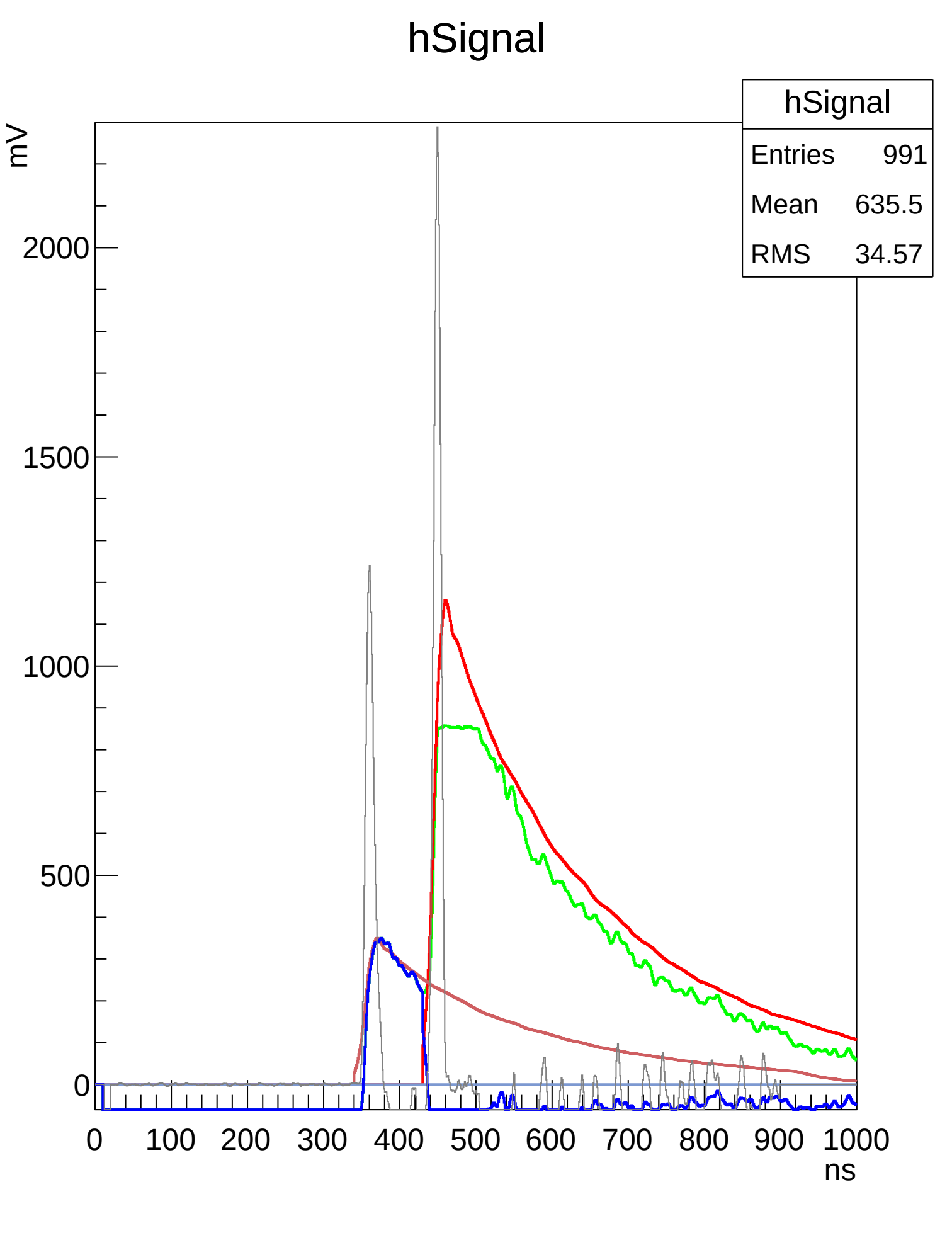

hSignal
hSignal
Entries 991
Mean 526.8
RMS 149
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

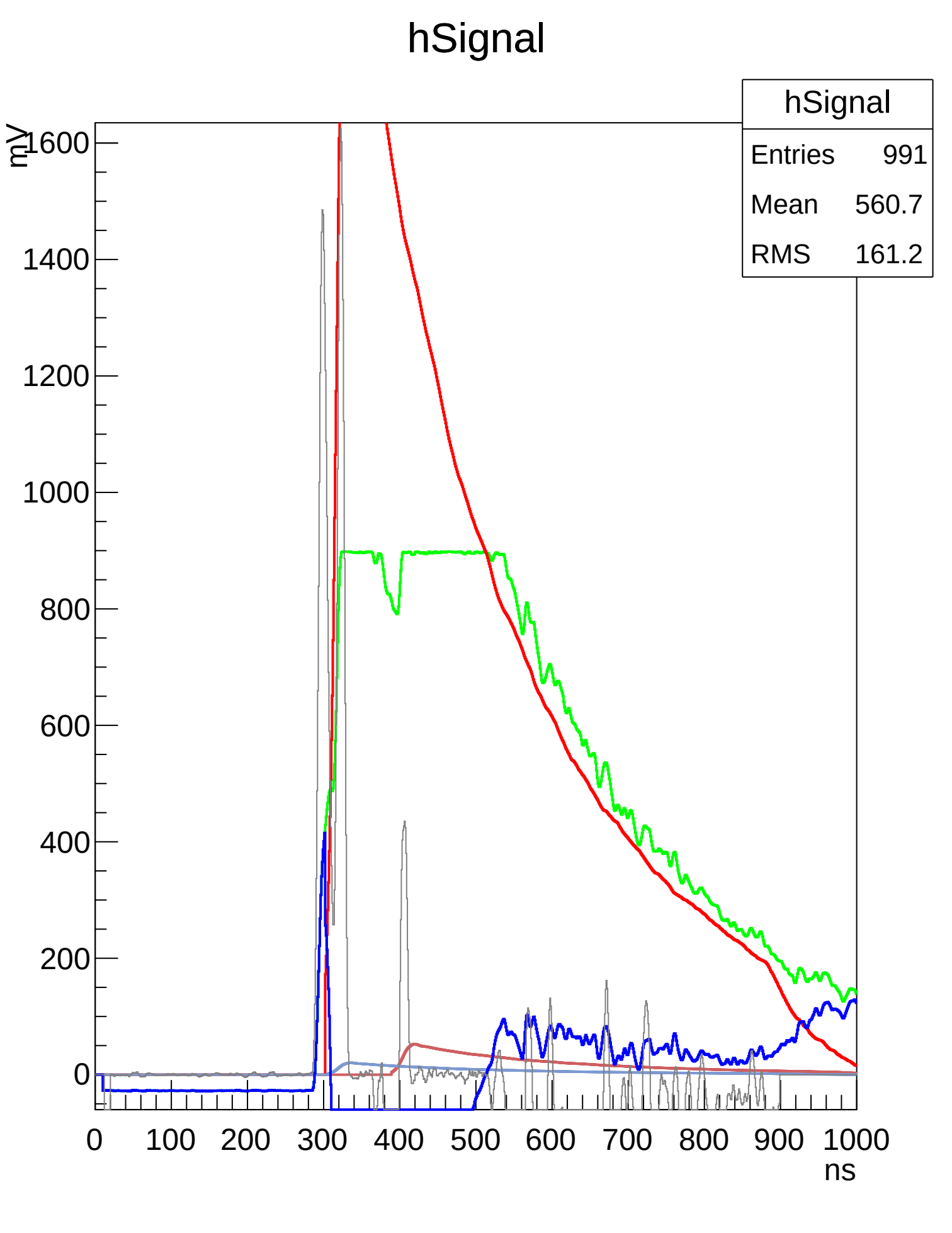

hSignal
hSignal
Entries 991
Mean 582.8
RMS 158
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

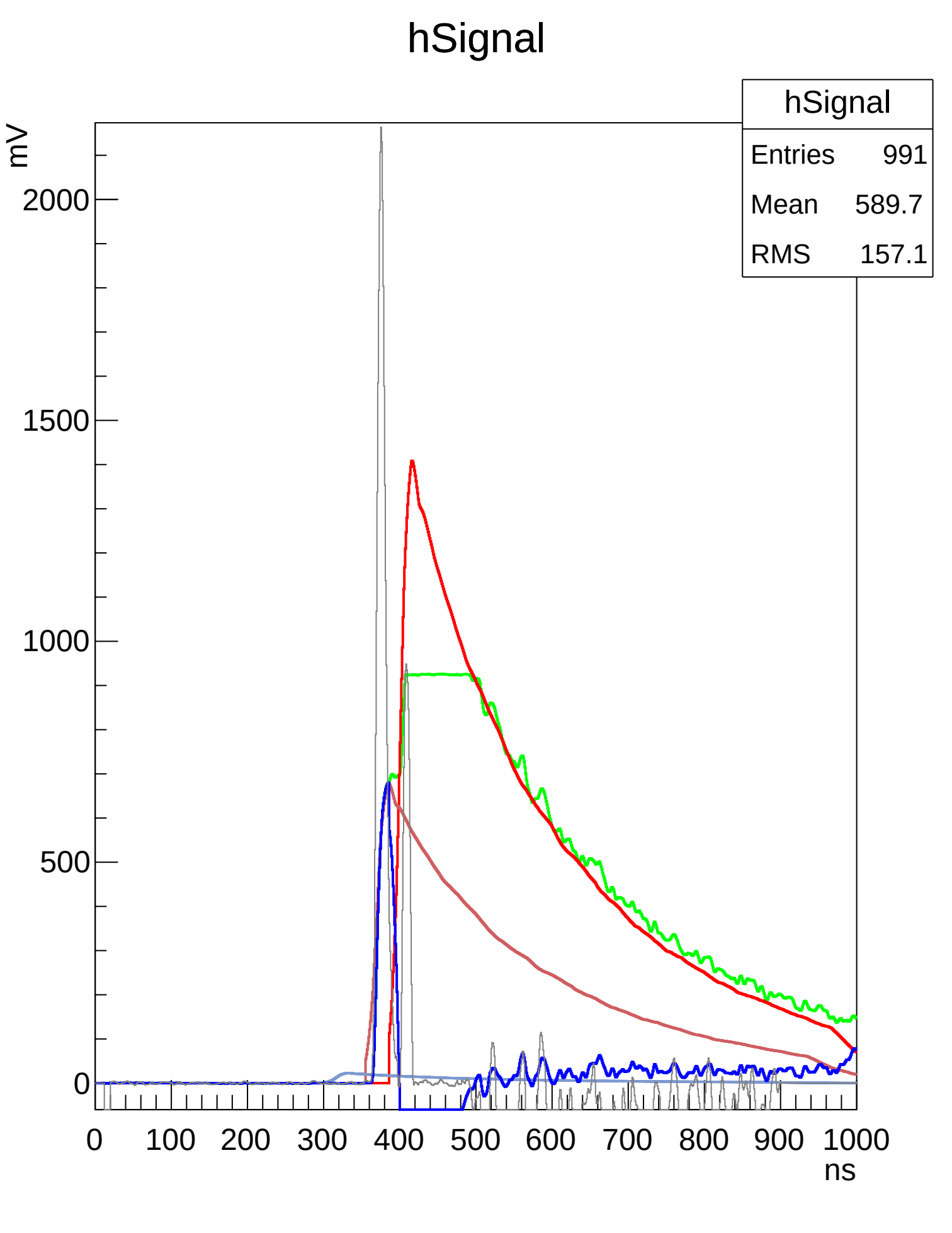

hSignal
hSignal
Entries 991
Mean 585.8
RMS 153.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

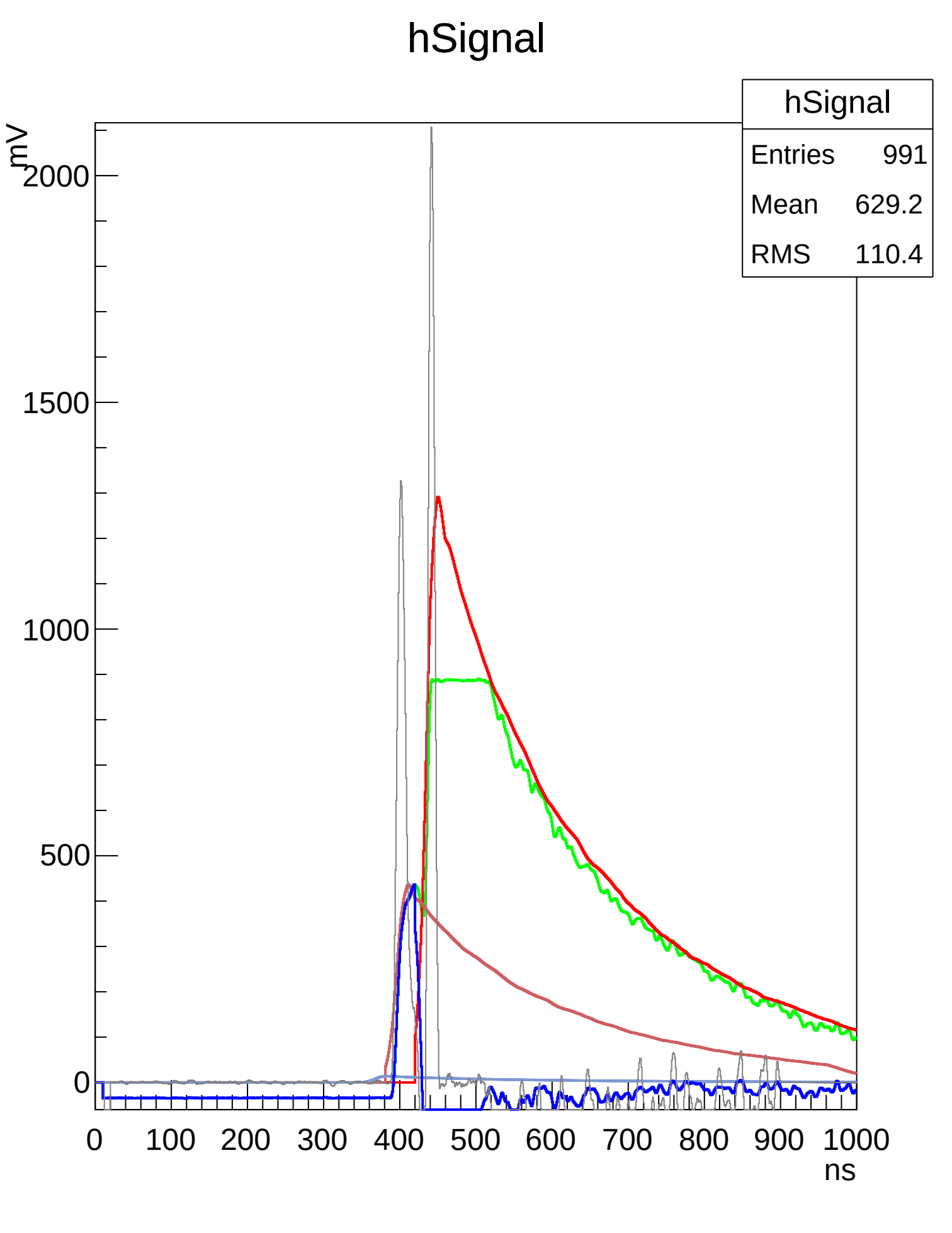

hSignal
hSignal
Entries 991
Mean 573.2
RMS 102.8
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

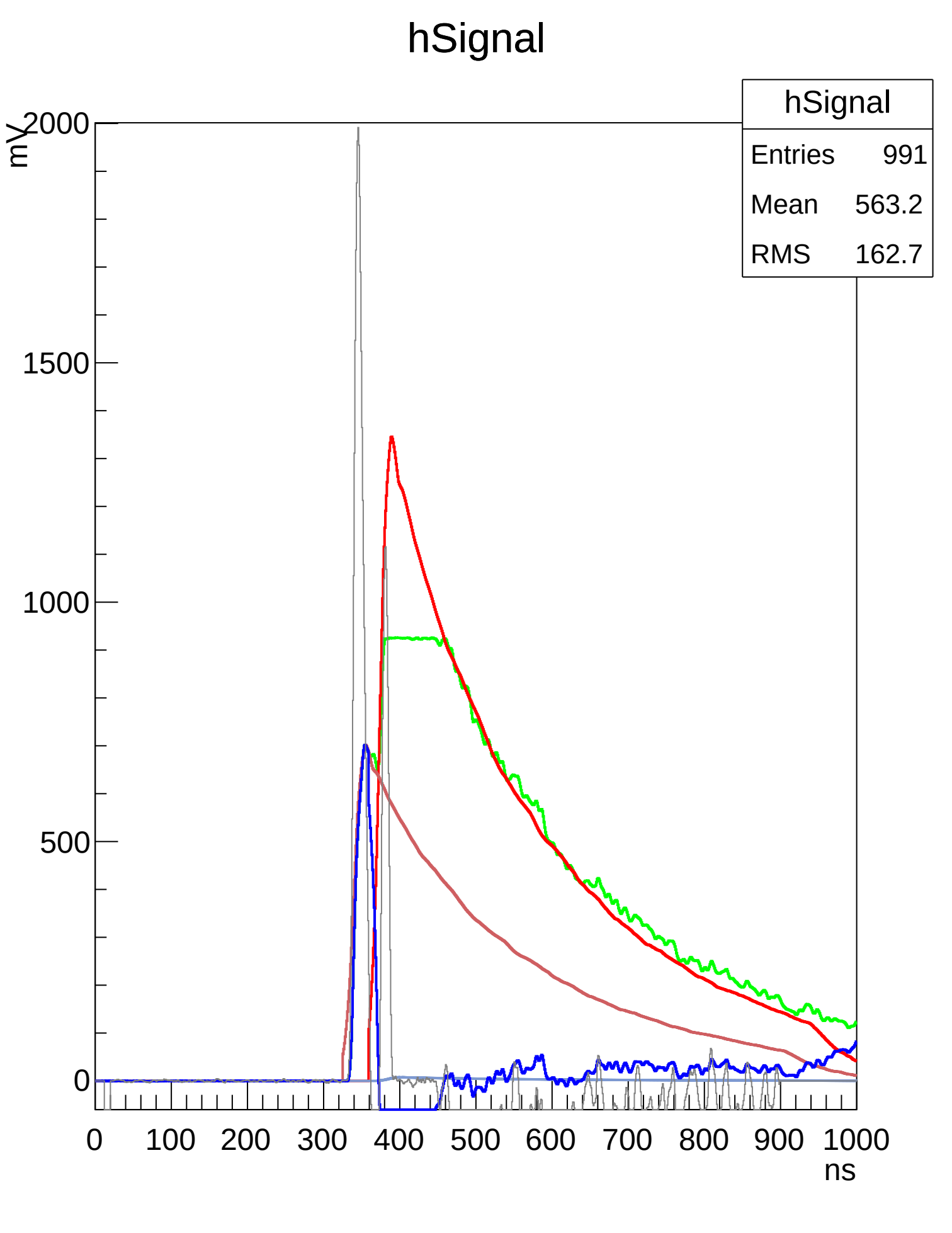

hSignal
hSignal
Entries 991
Mean 604.2
RMS 152.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

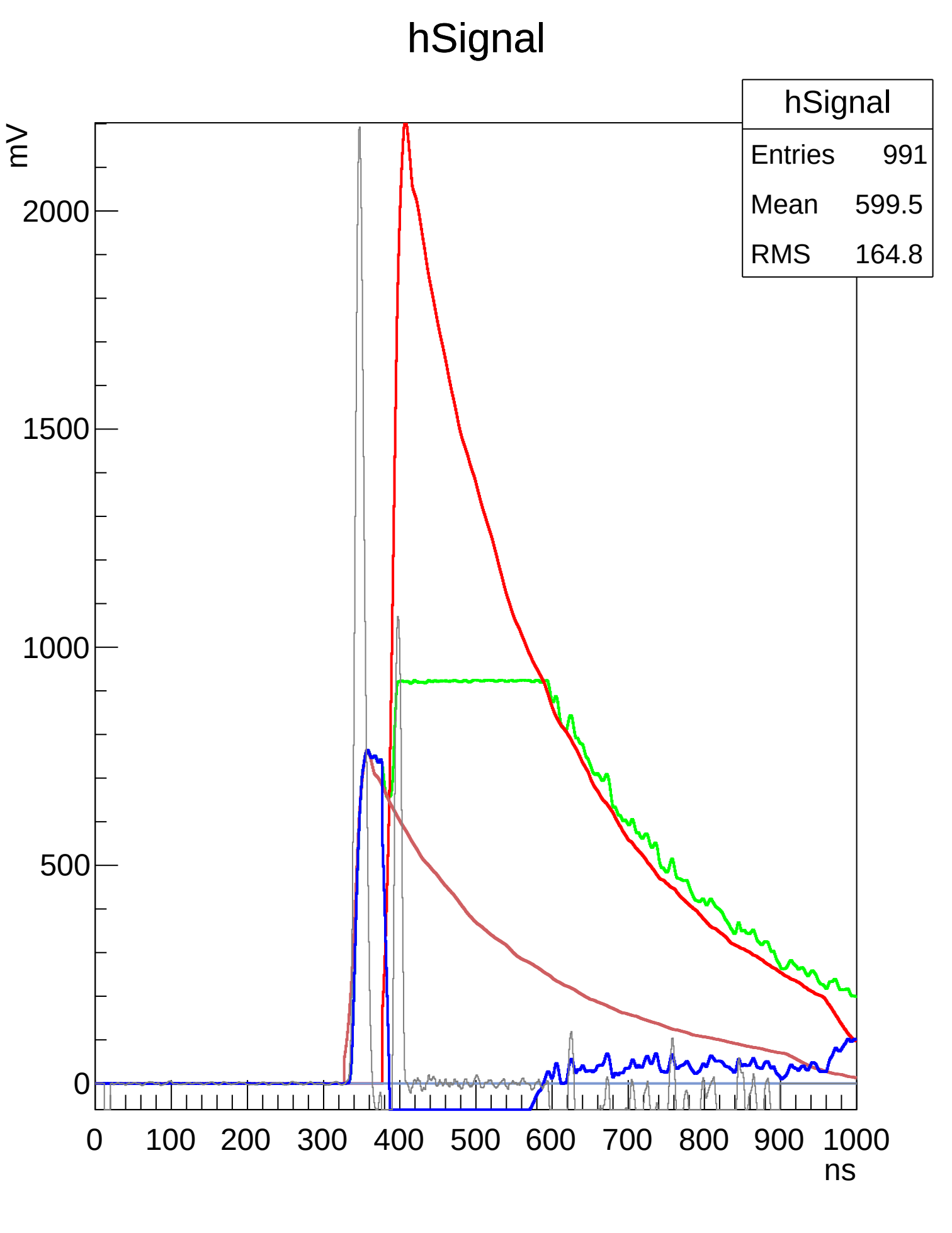

hSignal
hSignal
Entries 991
Mean 635.5
RMS 34.57
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

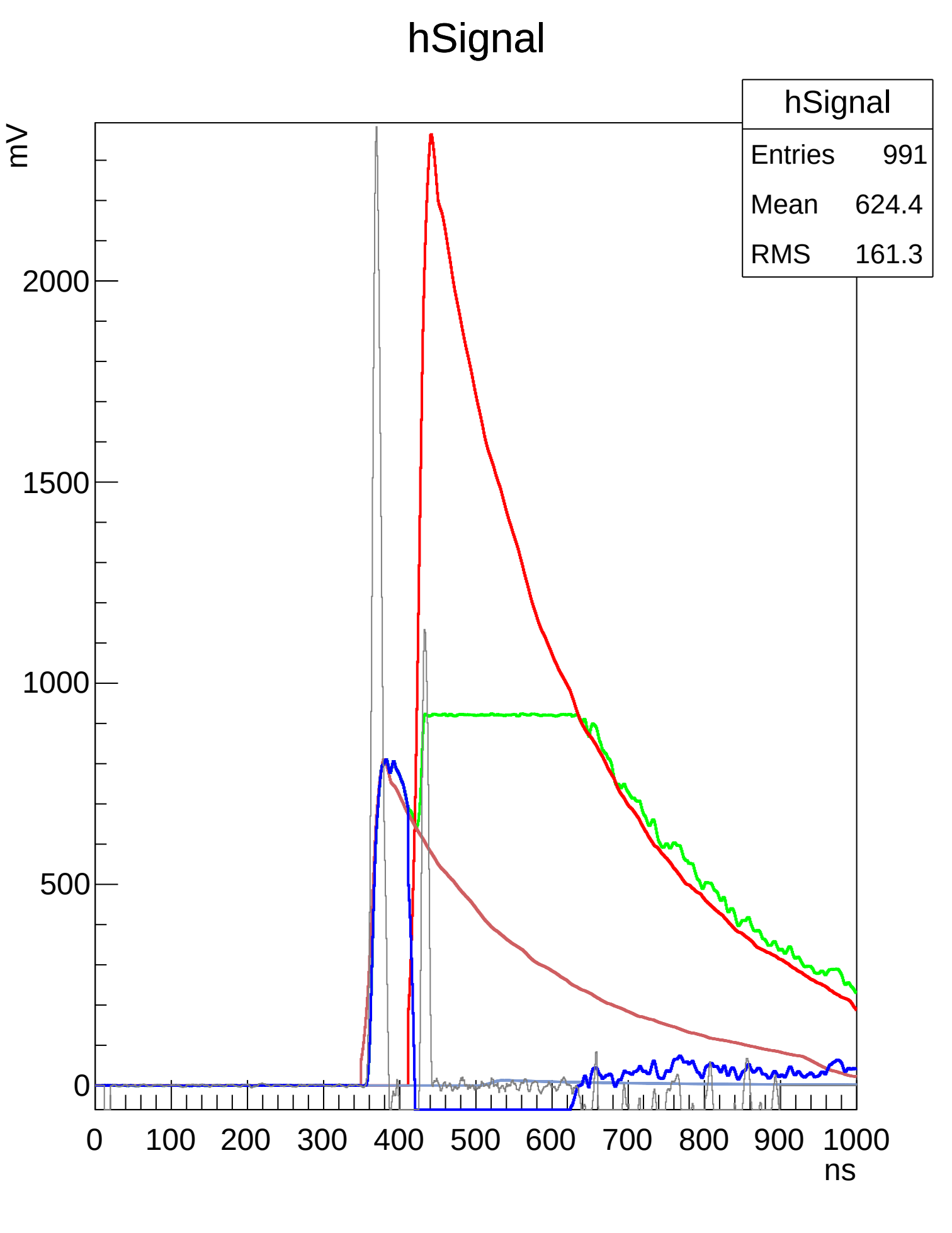

hSignal
hSignal
Entries 991
Mean 560.7
RMS 161.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

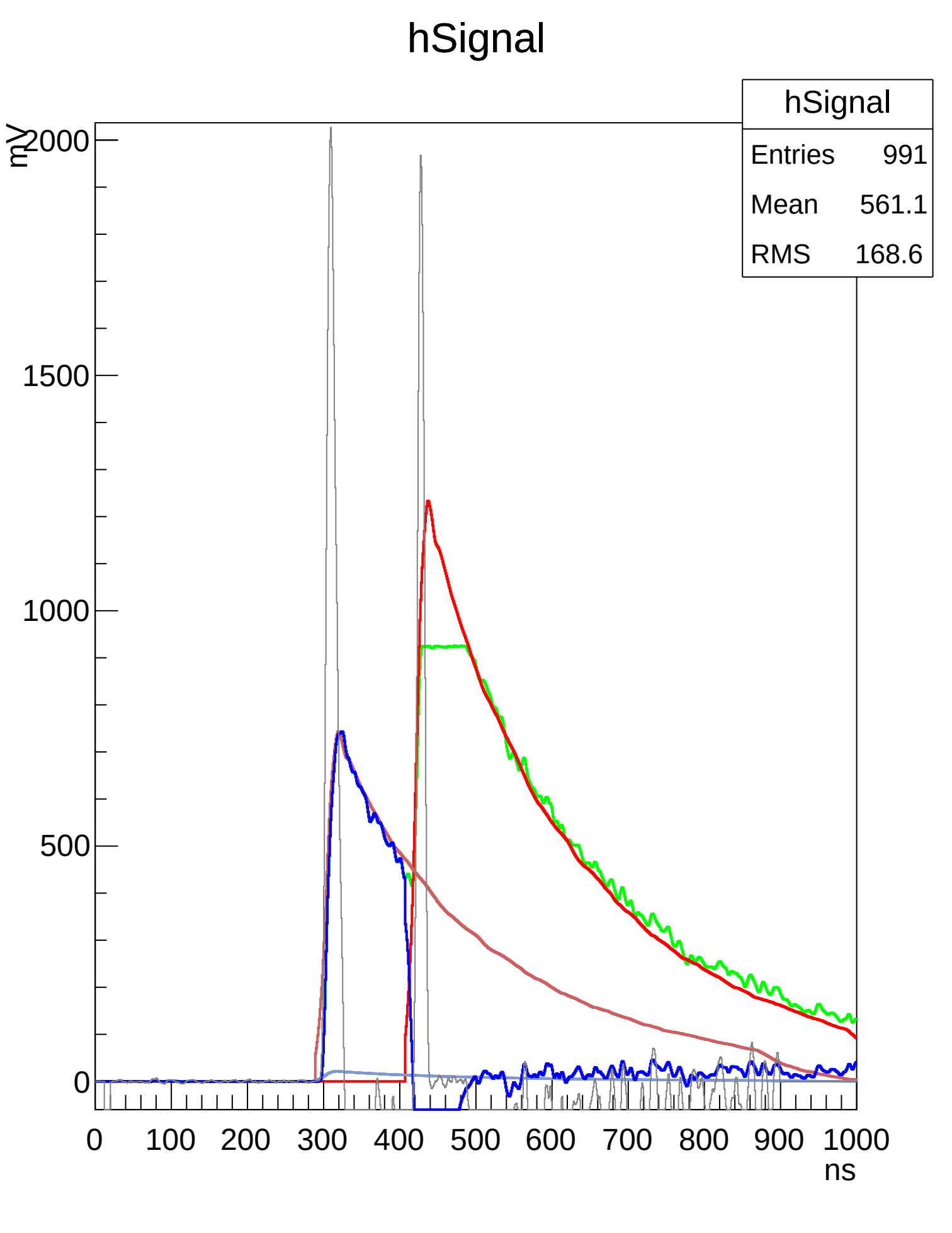

hSignal
hSignal
Entries 991
Mean 589.7
RMS 157.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

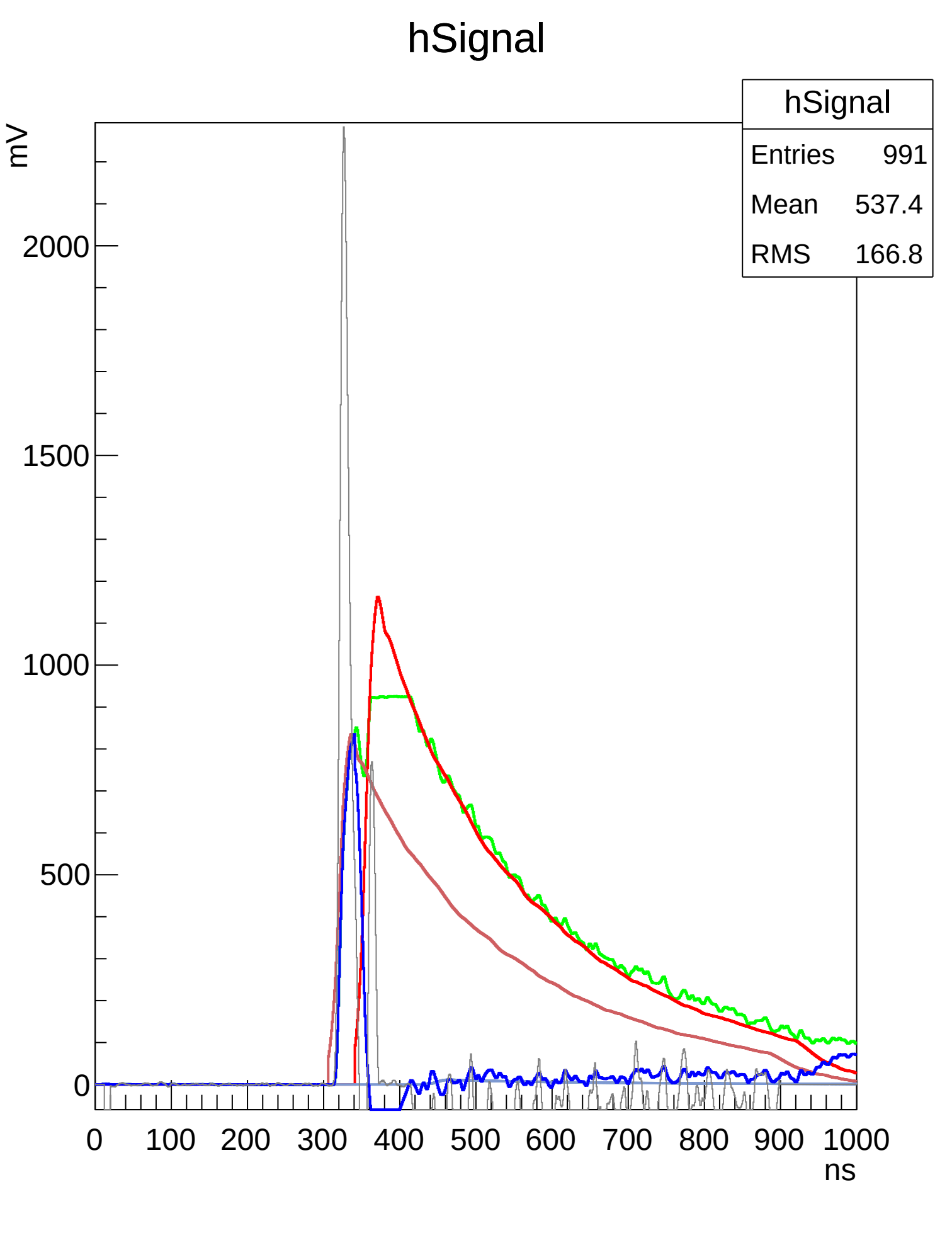

hSignal
hSignal
Entries 991
Mean 629.2
RMS 110.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

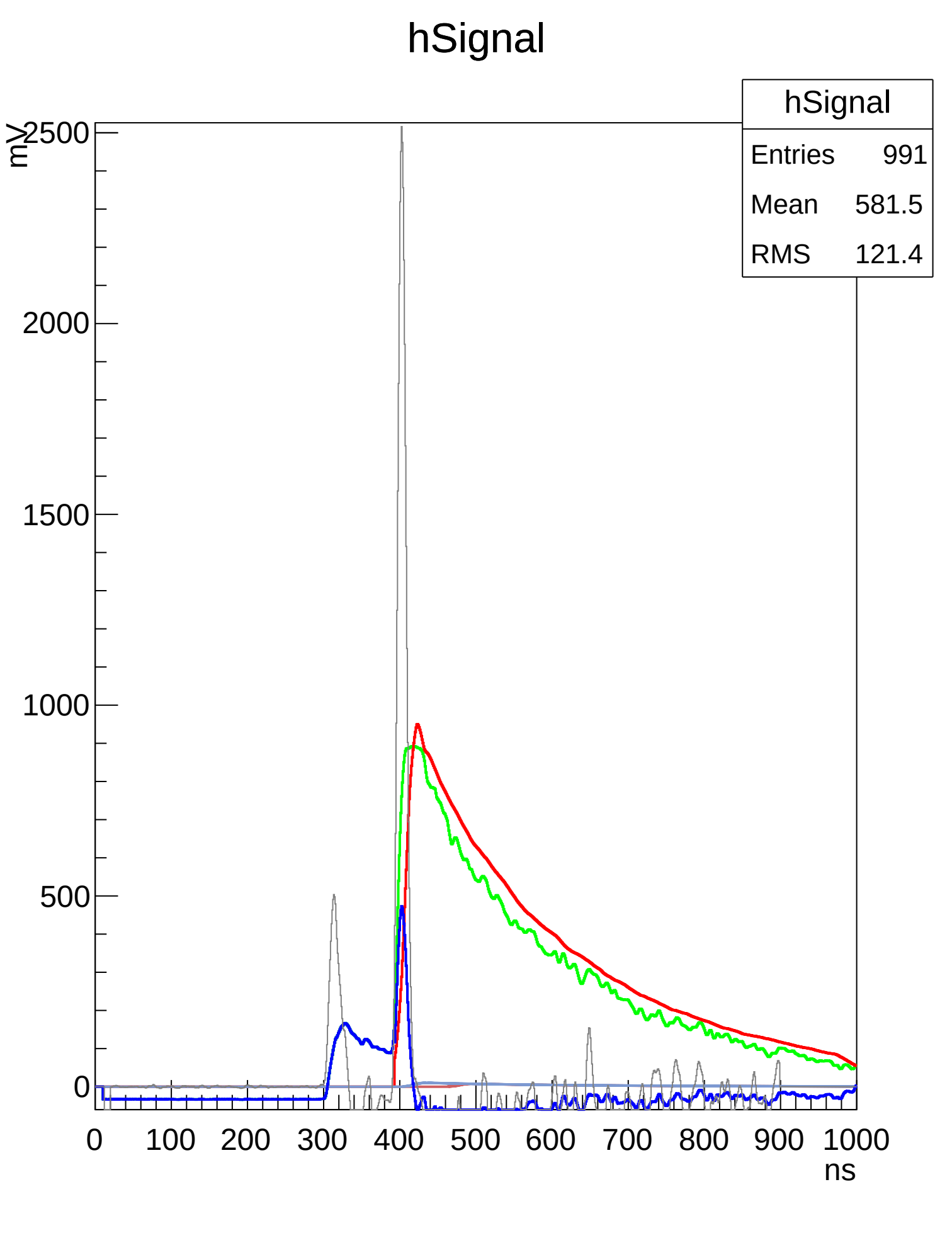

hSignal
hSignal
Entries 991
Mean 563.2
RMS 162.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

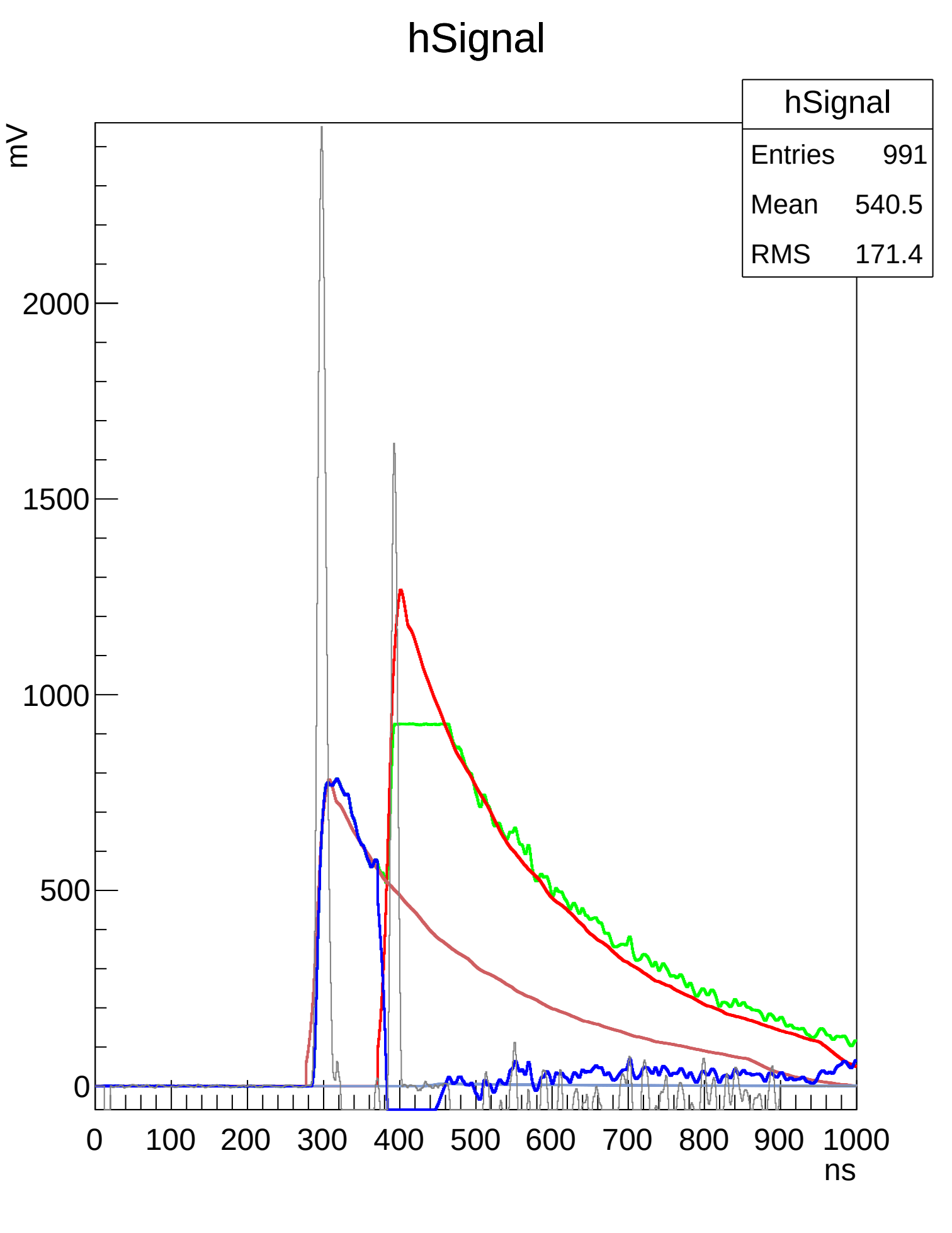

hSignal
hSignal
Entries 991
Mean 599.5
RMS 164.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

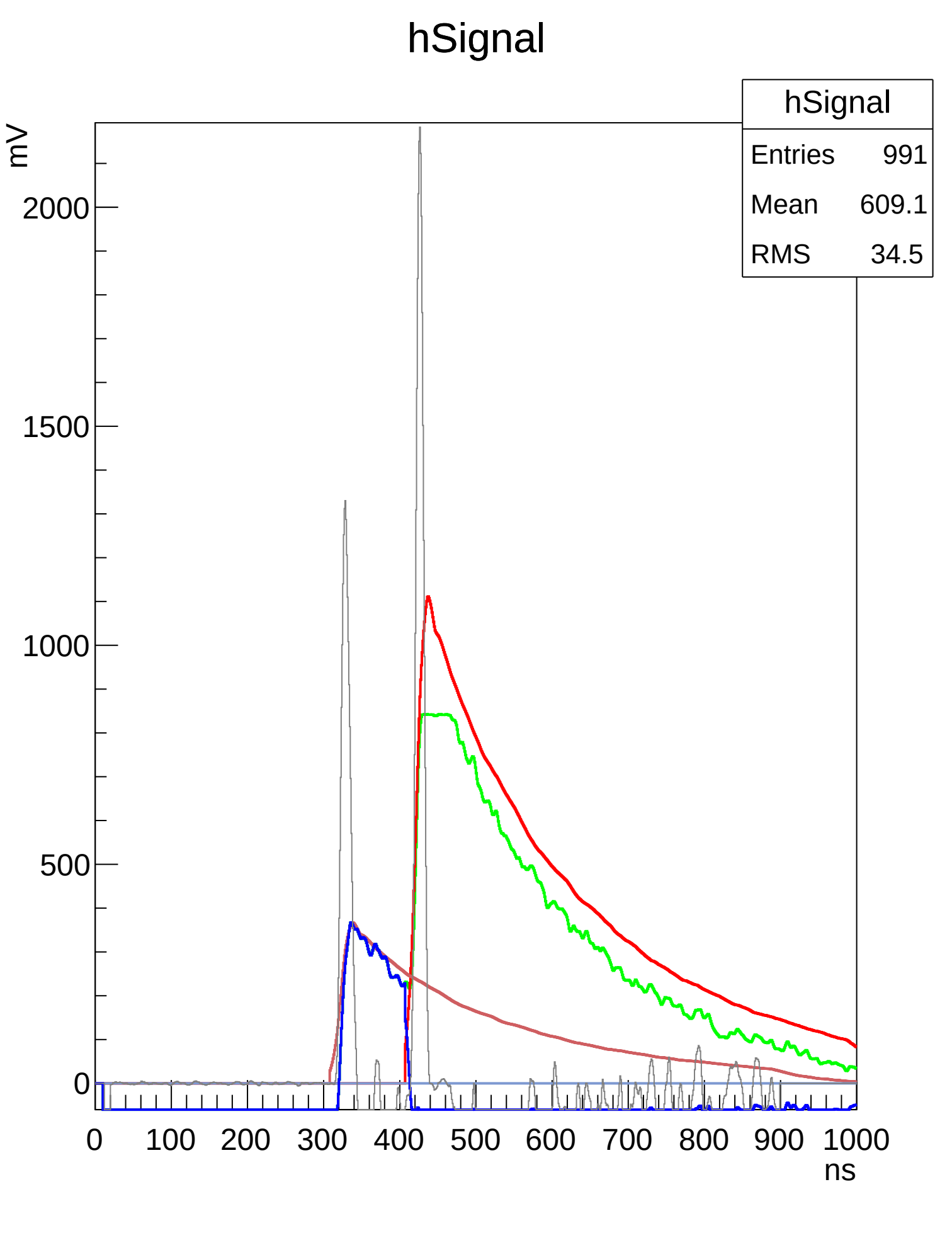

hSignal
hSignal
Entries 991
Mean 624.4
RMS 161.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

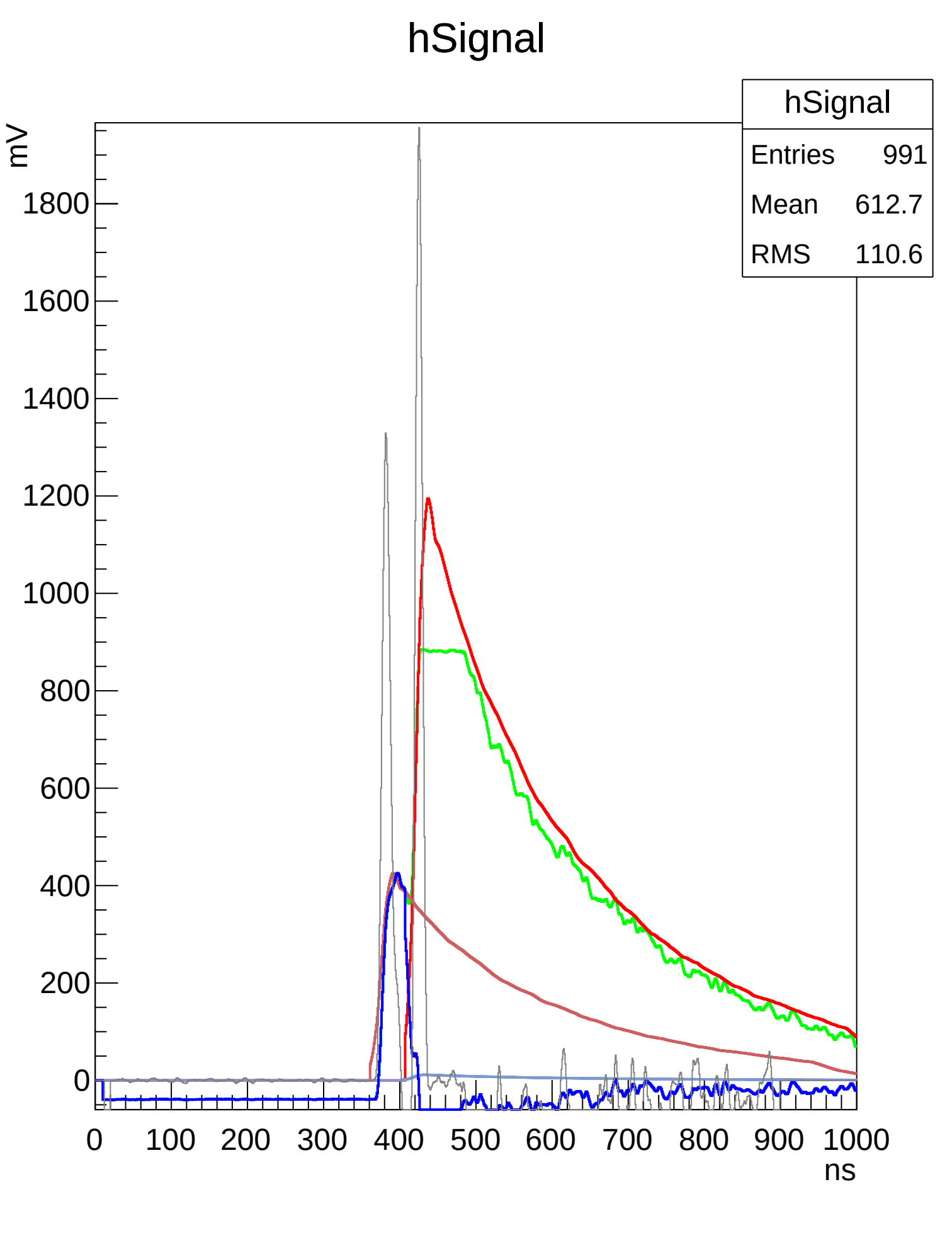

hSignal
hSignal
Entries 991
Mean 561.1
RMS 168.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

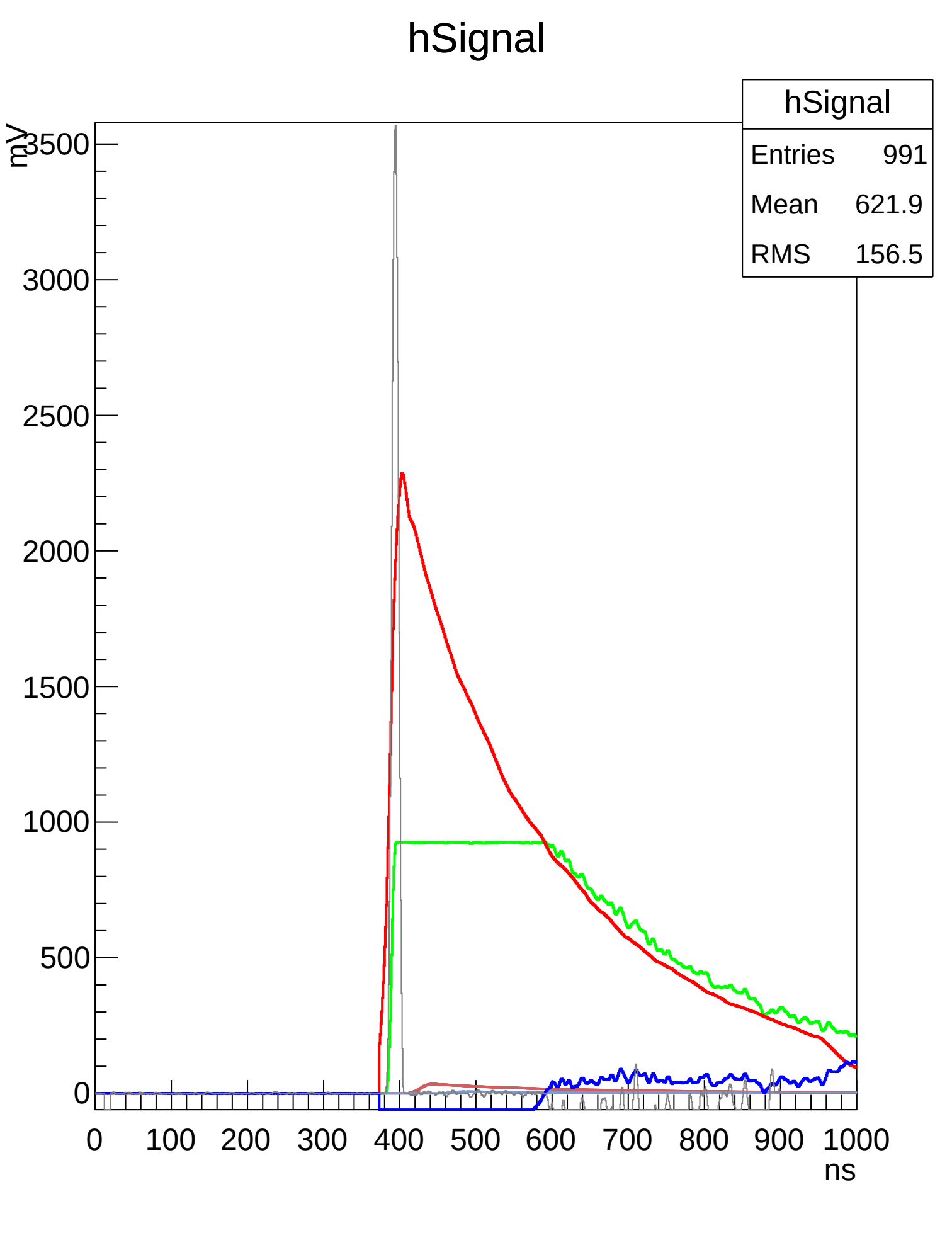

hSignal
hSignal
Entries 991
Mean 537.4
RMS 166.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

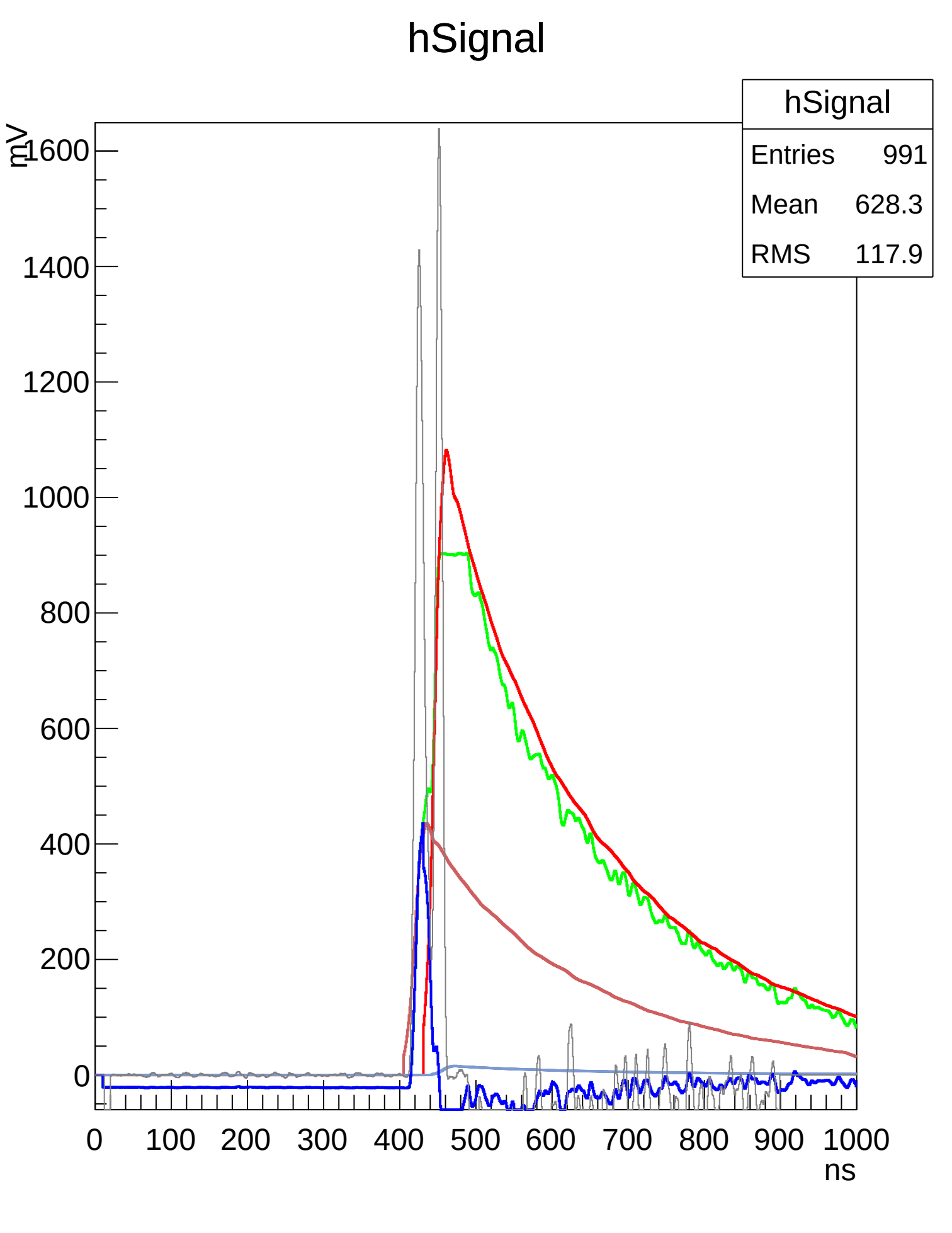

hSignal
hSignal
Entries 991
Mean 581.5
RMS 121.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

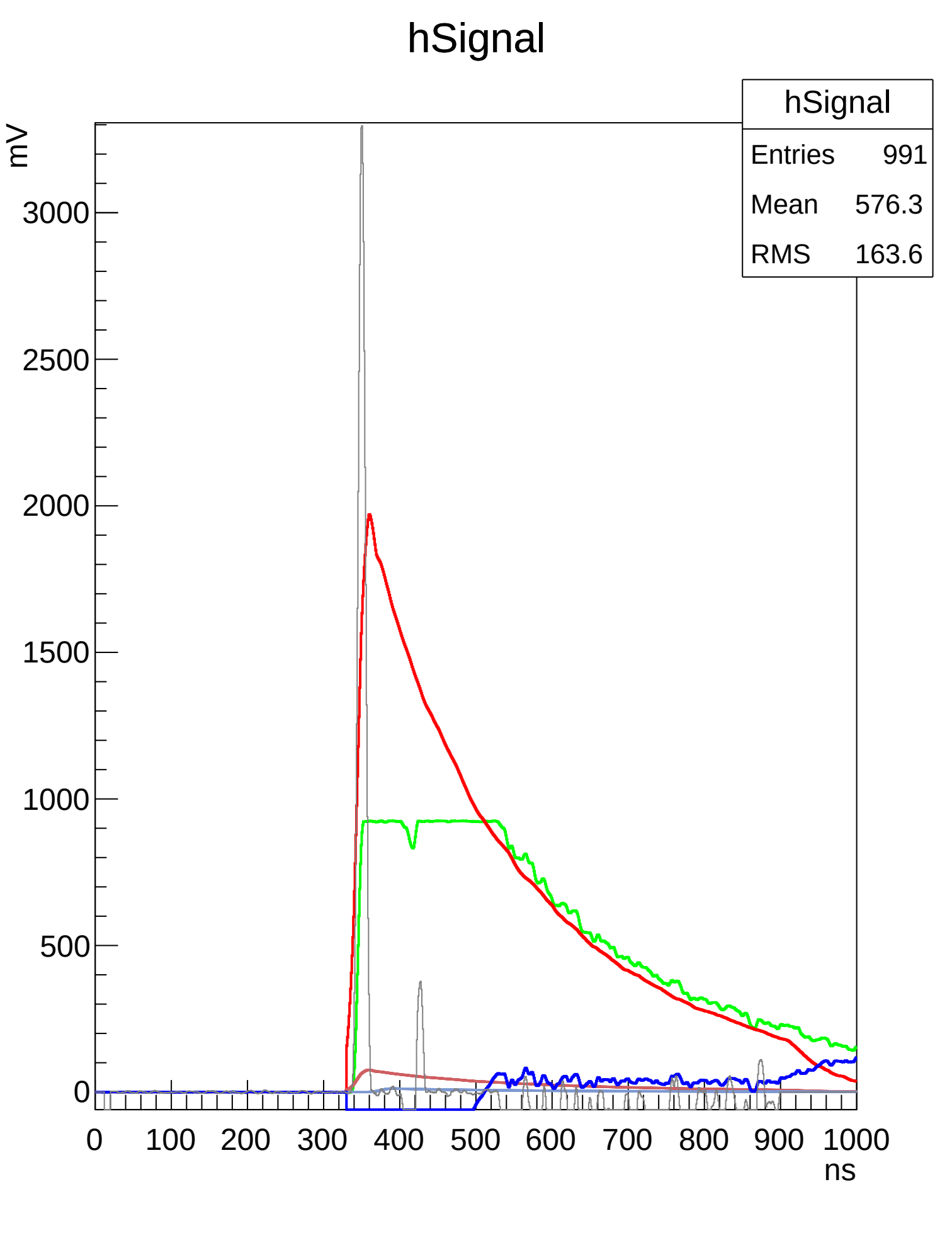

hSignal
hSignal
Entries 991
Mean 540.5
RMS 171.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

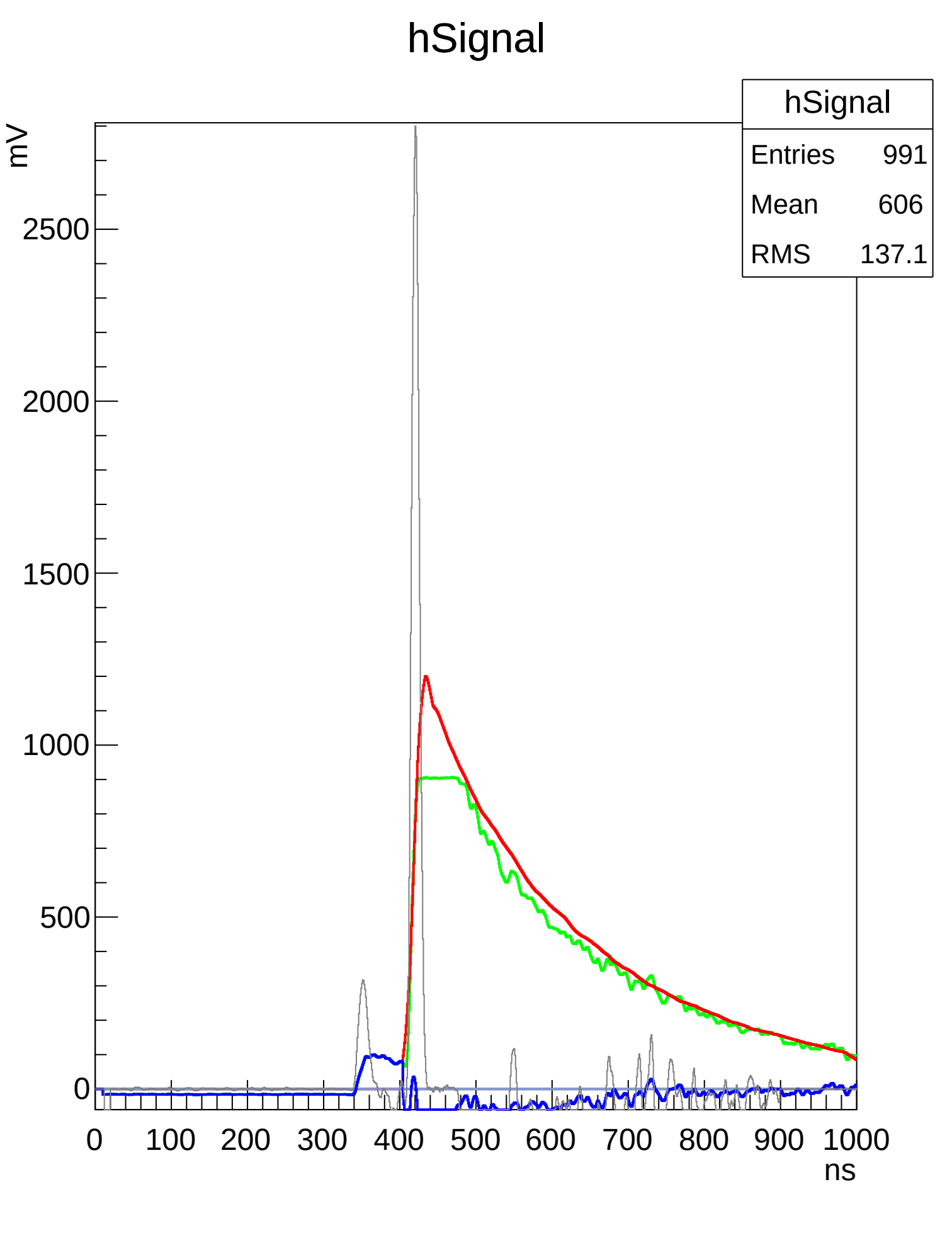

hSignal
hSignal
Entries 991
Mean 609.1
RMS 34.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

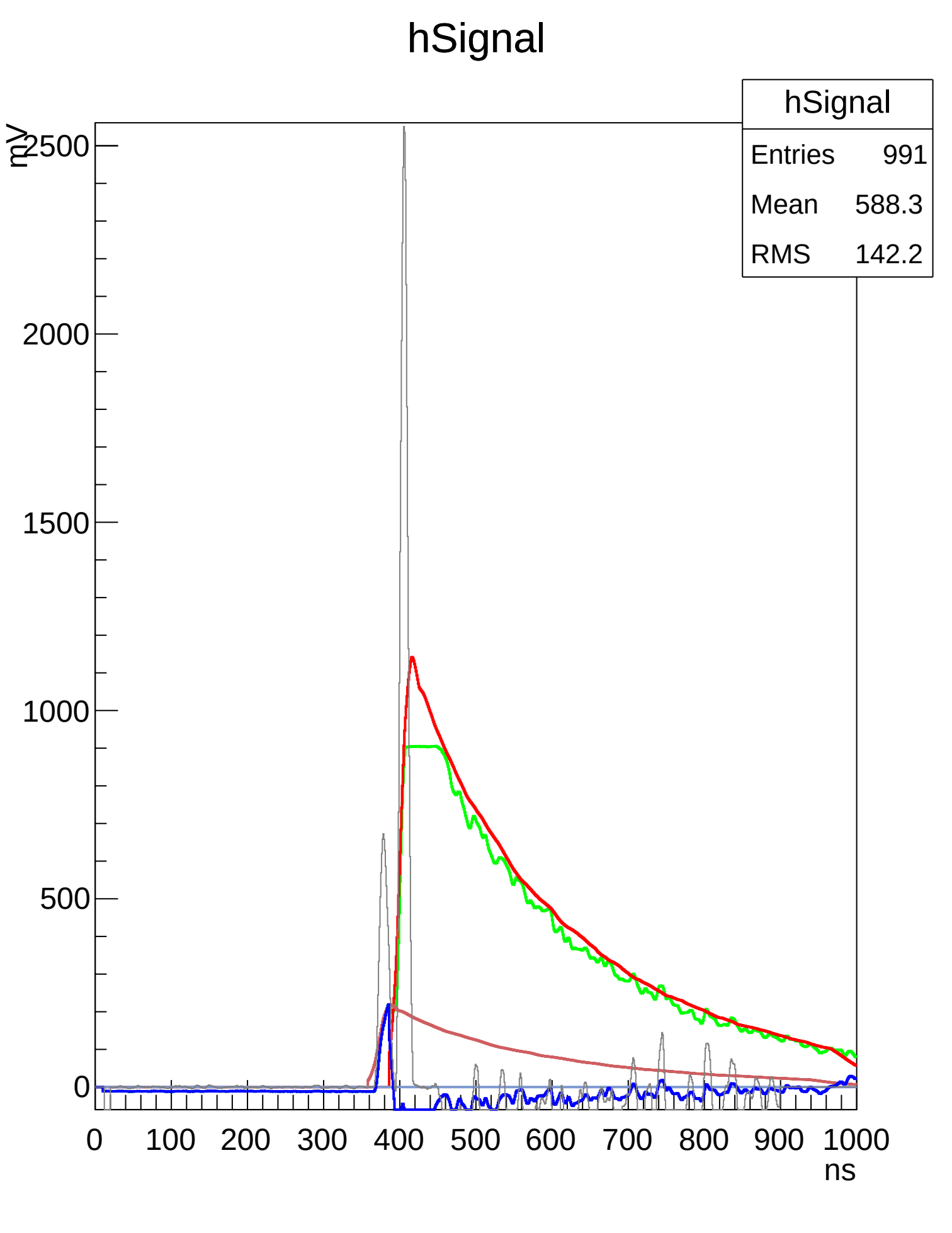

hSignal
hSignal
Entries 991
Mean 612.7
RMS 110.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

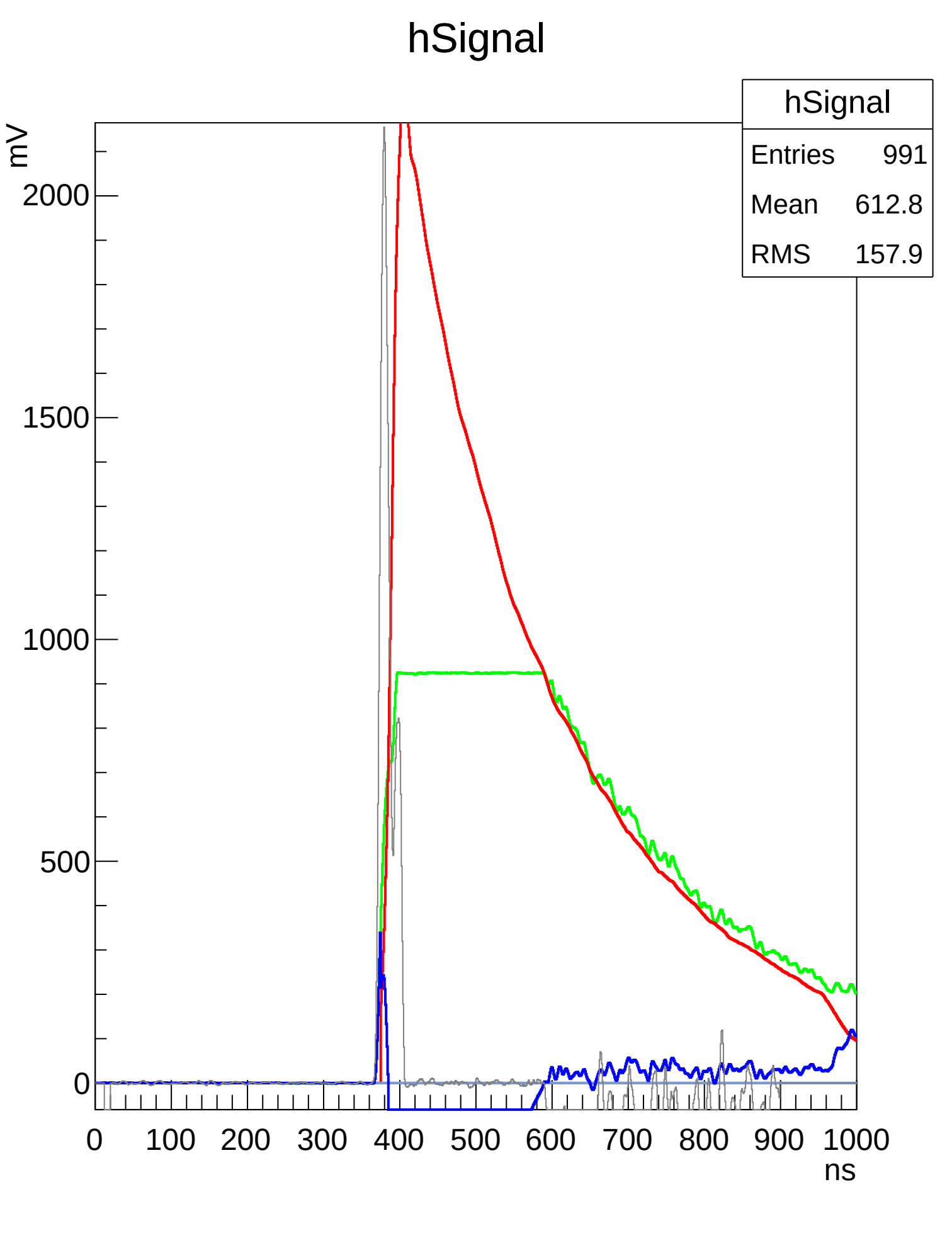

hSignal
hSignal
Entries 991
Mean 621.9
RMS 156.5
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

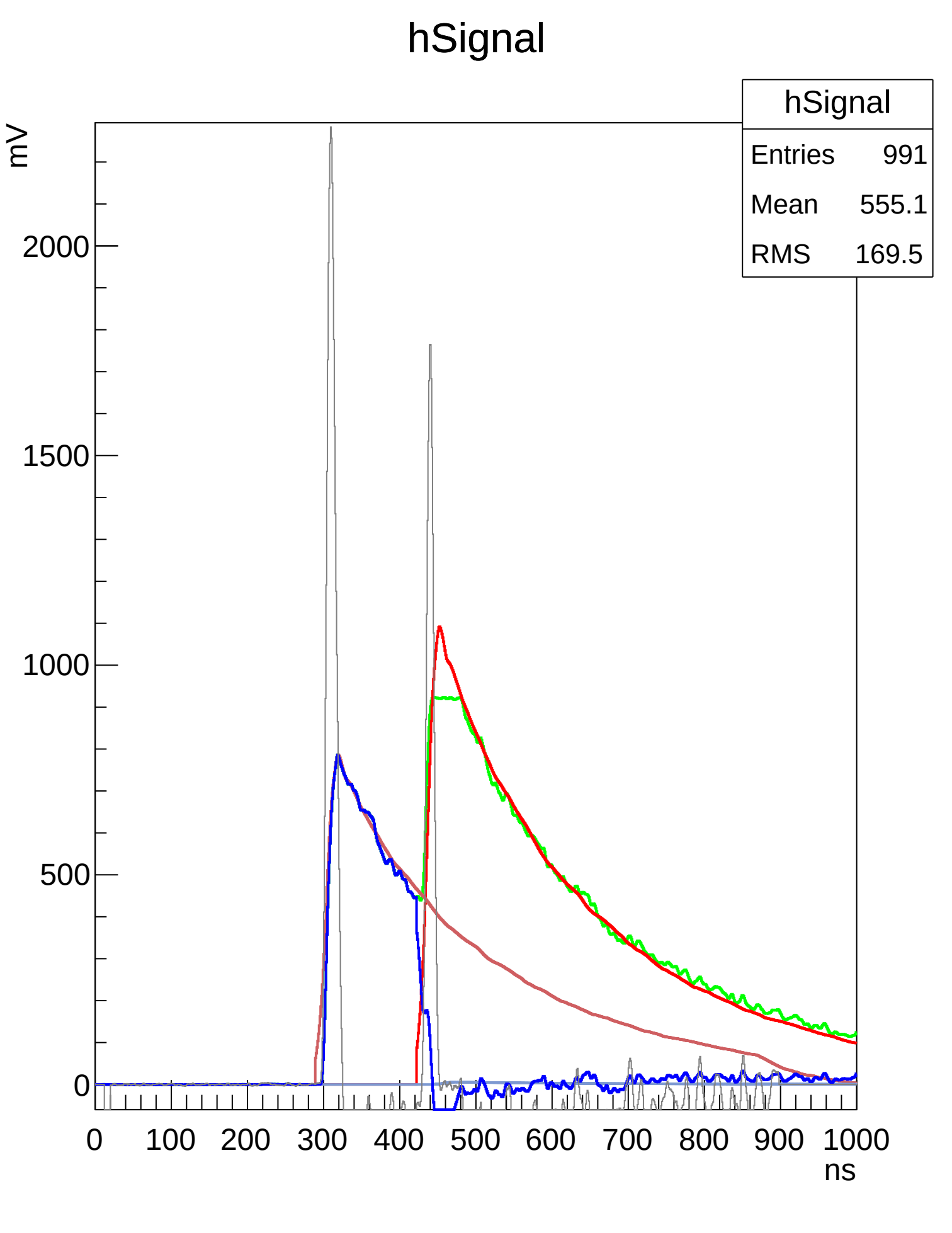

hSignal
hSignal
Entries 991
Mean 628.3
RMS 117.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

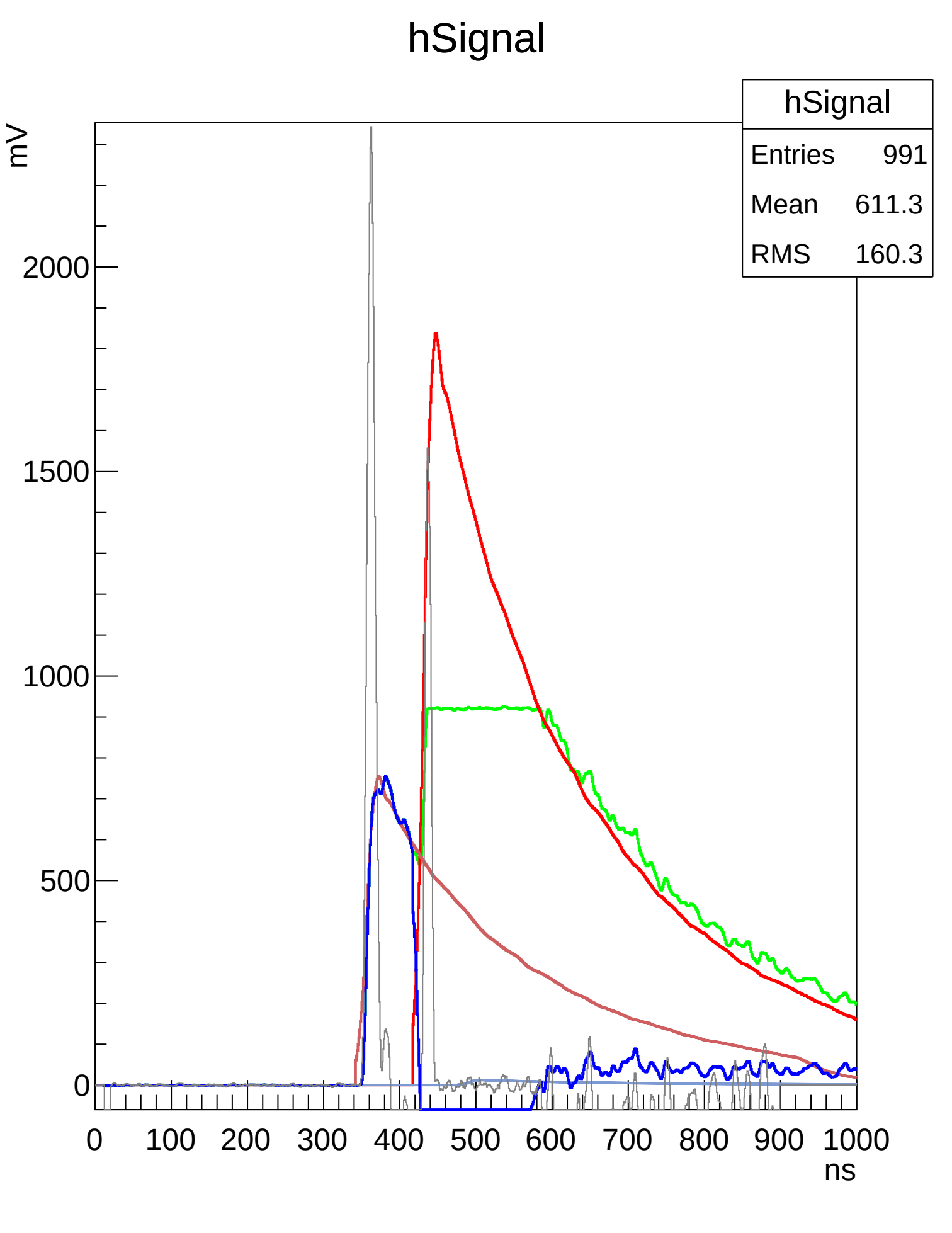

hSignal
hSignal
Entries 991
Mean 576.3
RMS 163.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

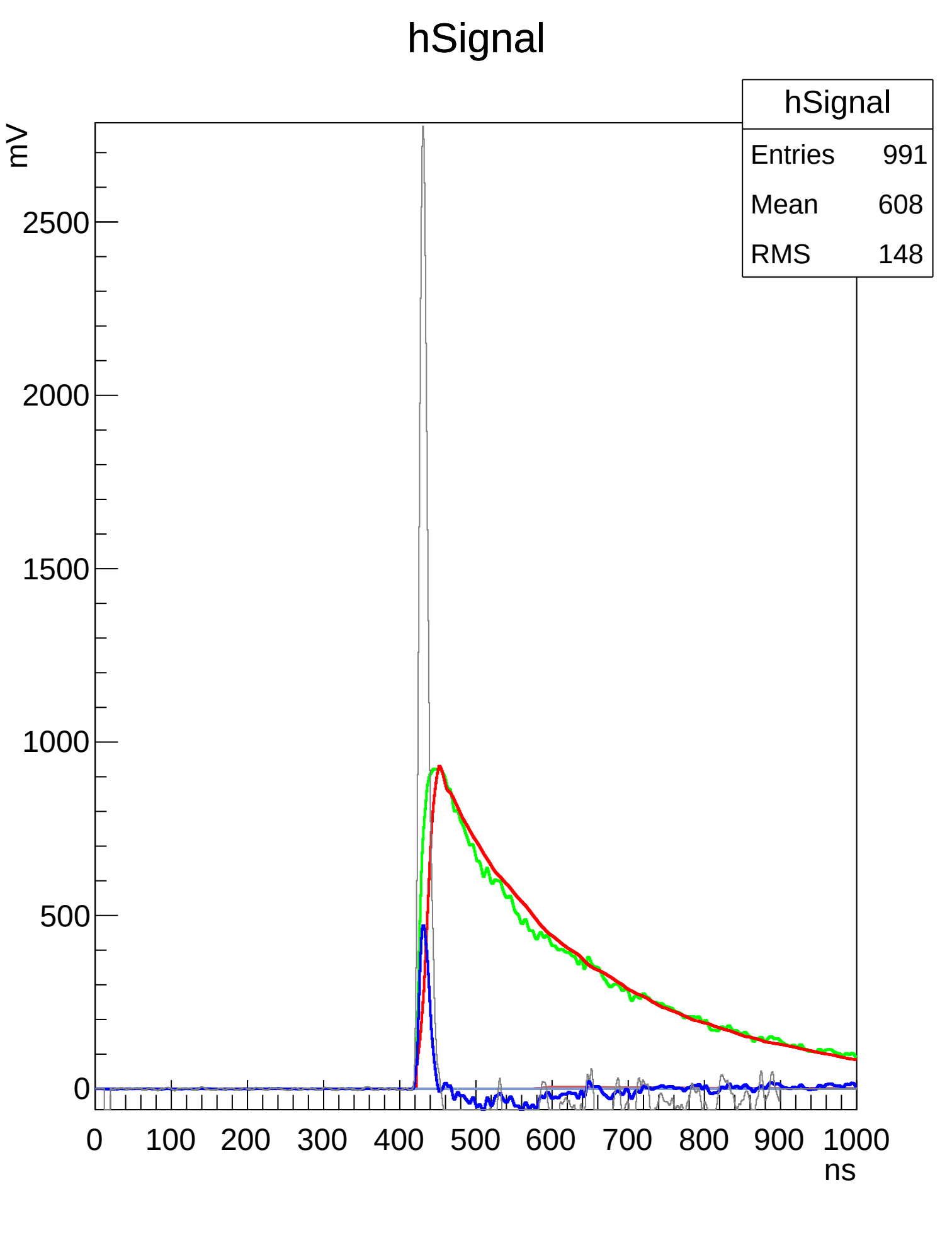

hSignal
hSignal
Entries 991
Mean 606
RMS 137.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

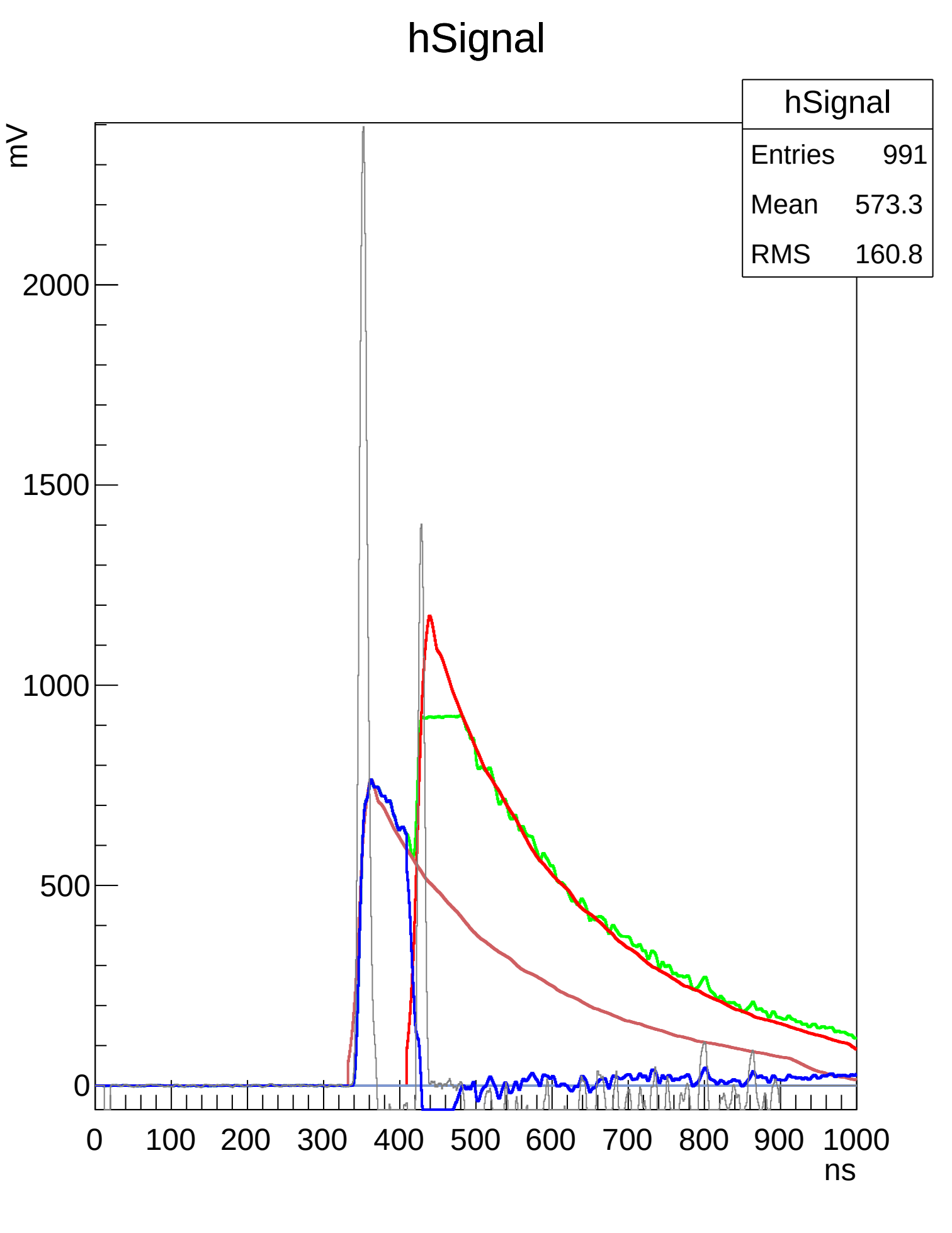

hSignal
hSignal
Entries 991
Mean 588.3
RMS 142.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

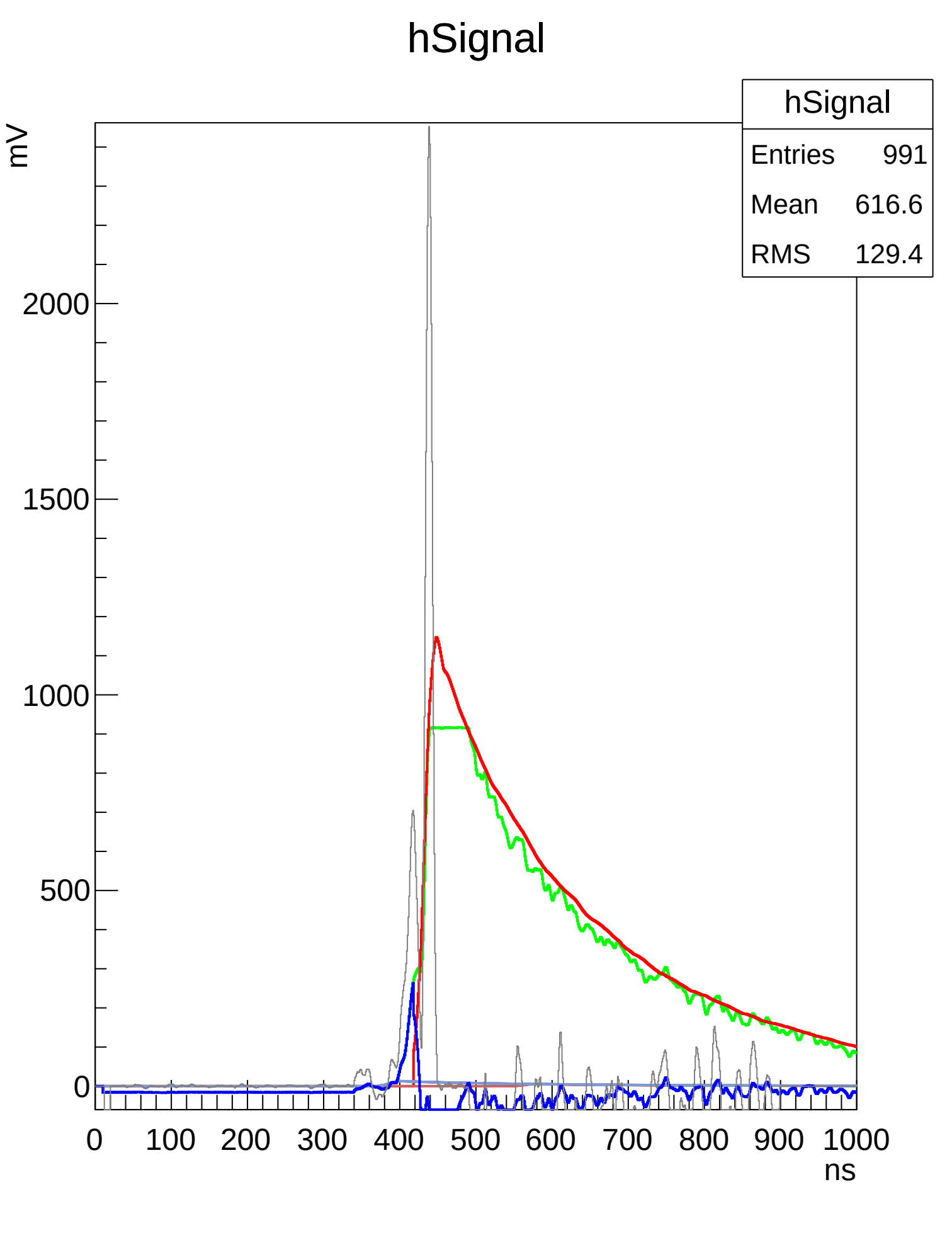

hSignal
hSignal
Entries 991
Mean 612.8
RMS 157.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

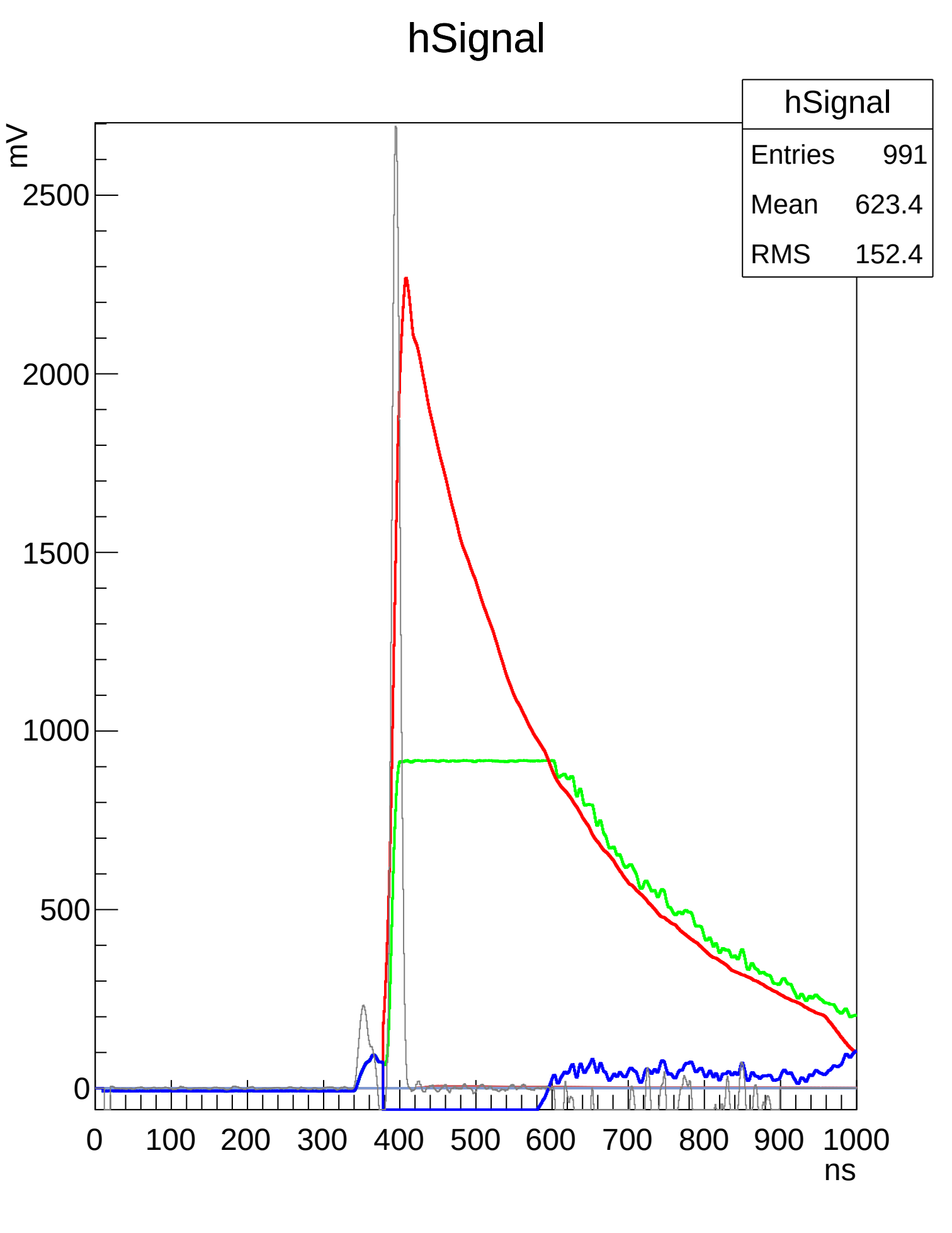

hSignal
hSignal
Entries 991
Mean 555.1
RMS 169.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

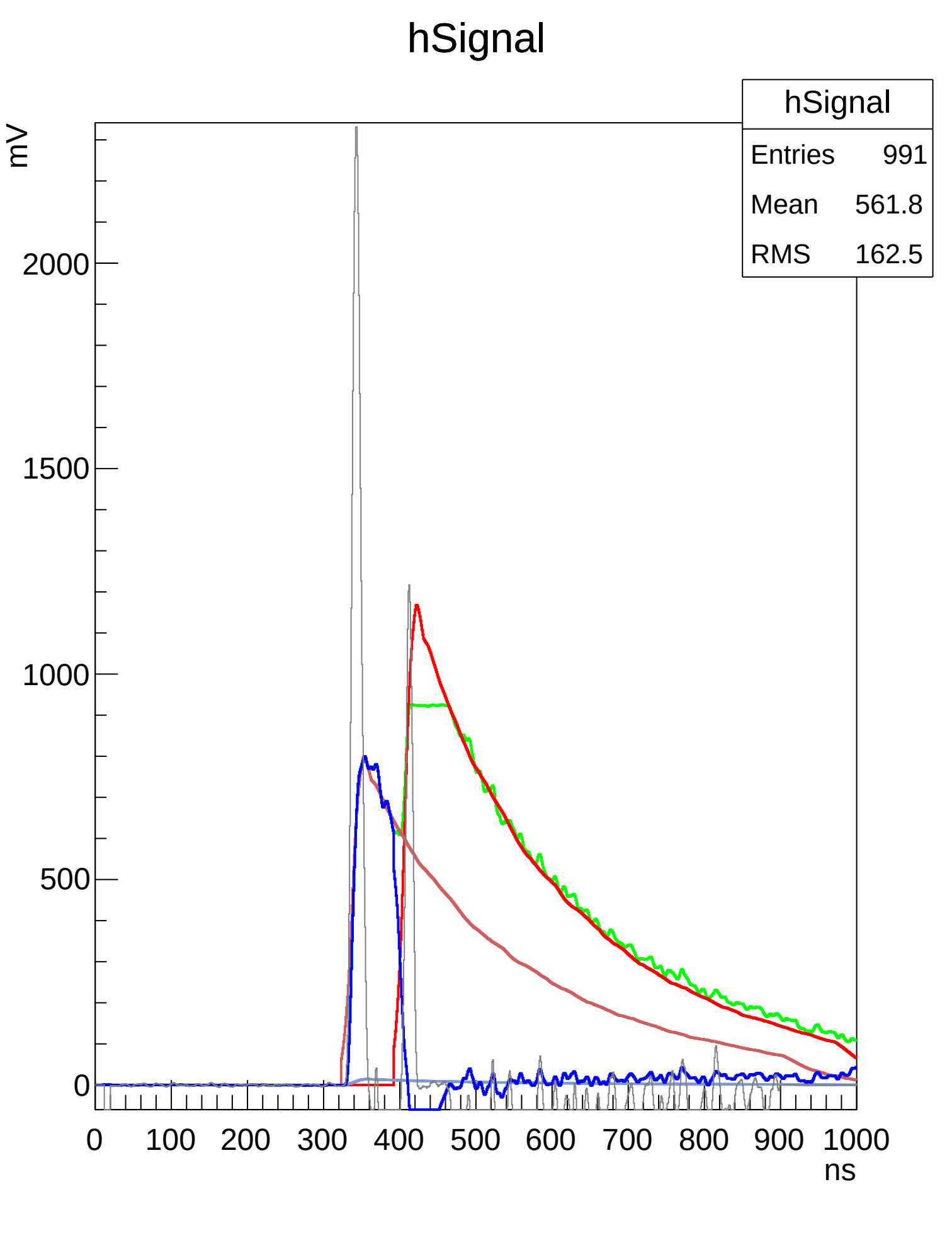

hSignal
hSignal
Entries 991
Mean 611.3
RMS 160.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

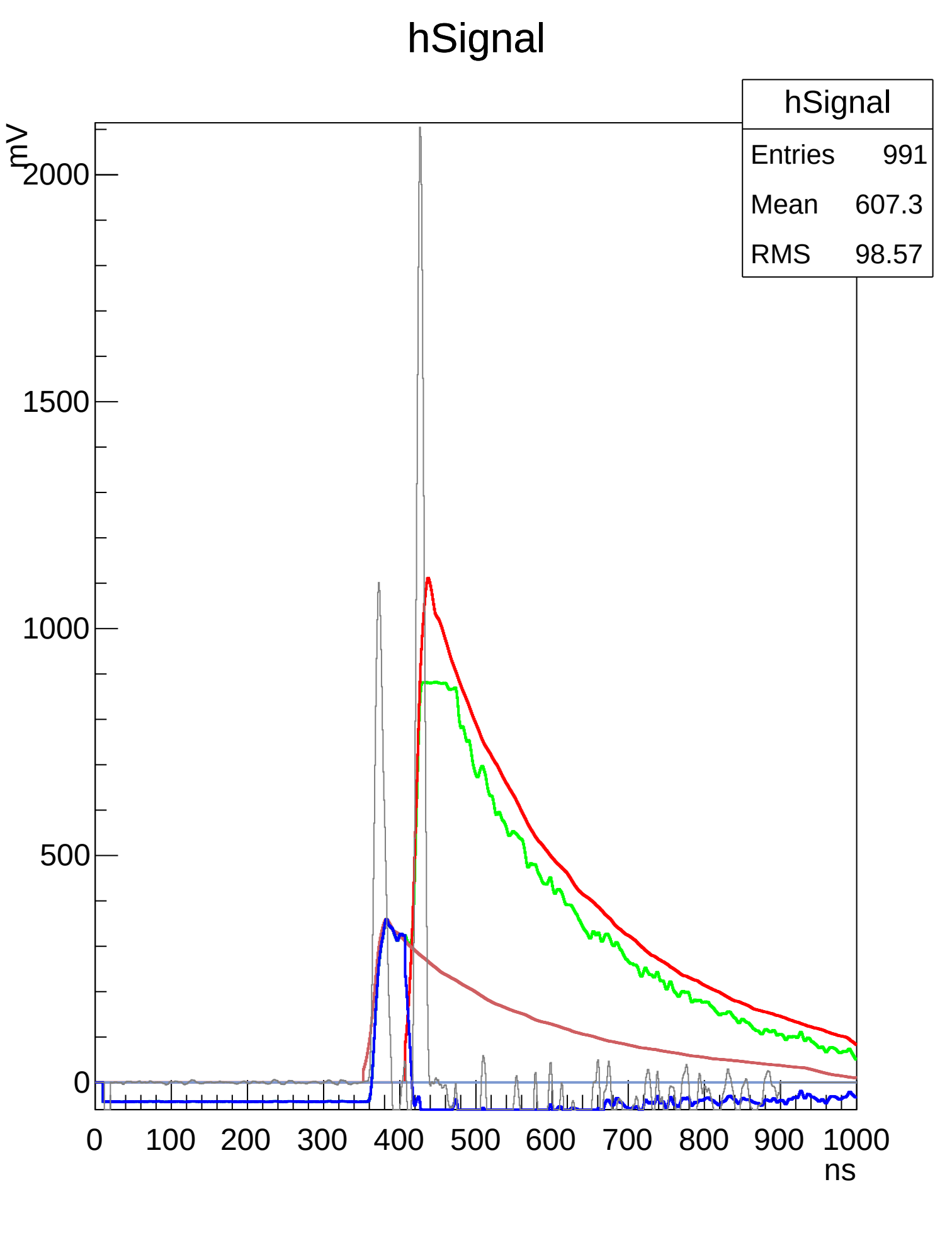

hSignal
hSignal
Entries 991
Mean 608
RMS 148
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

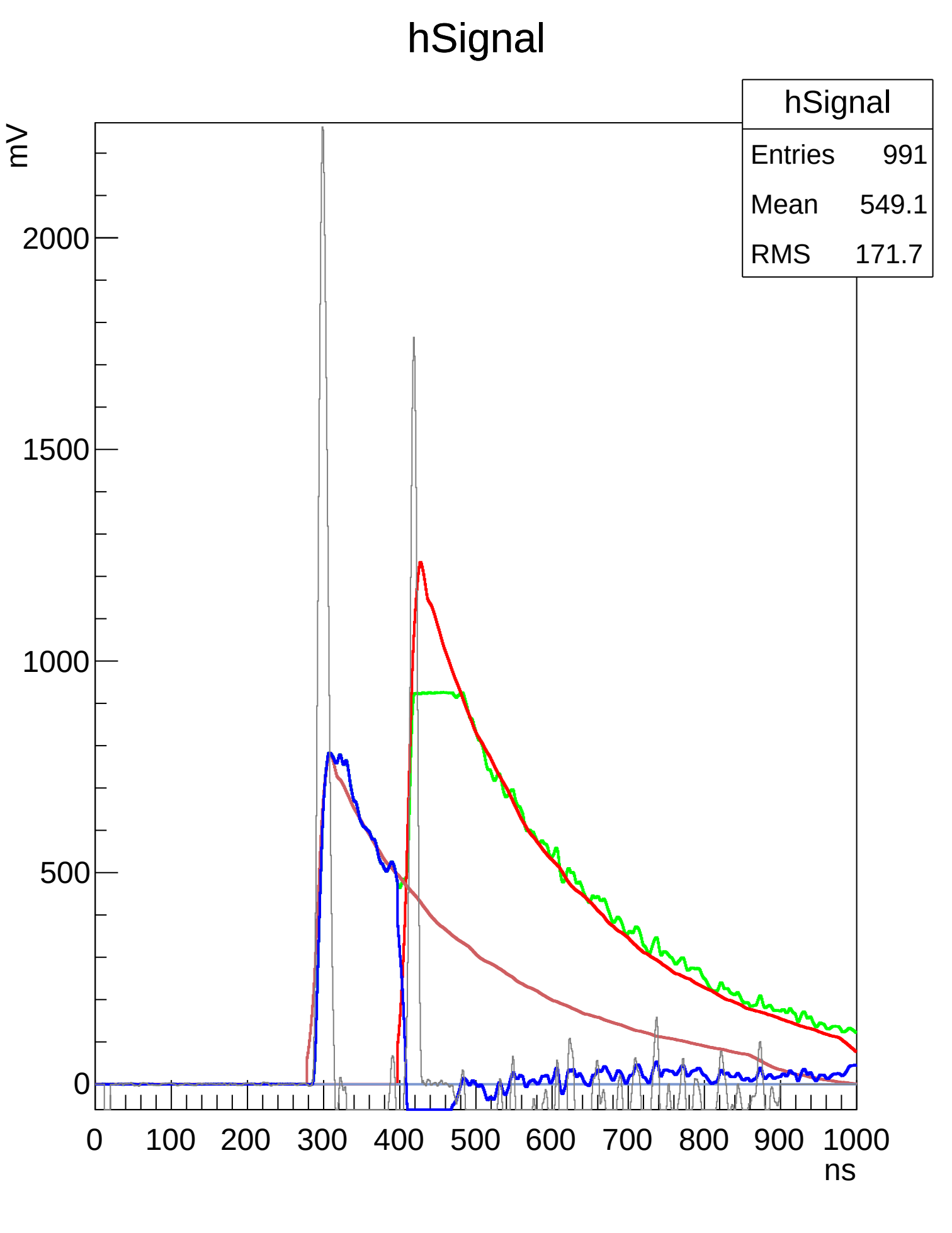

hSignal
hSignal
Entries 991
Mean 573.3
RMS 160.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

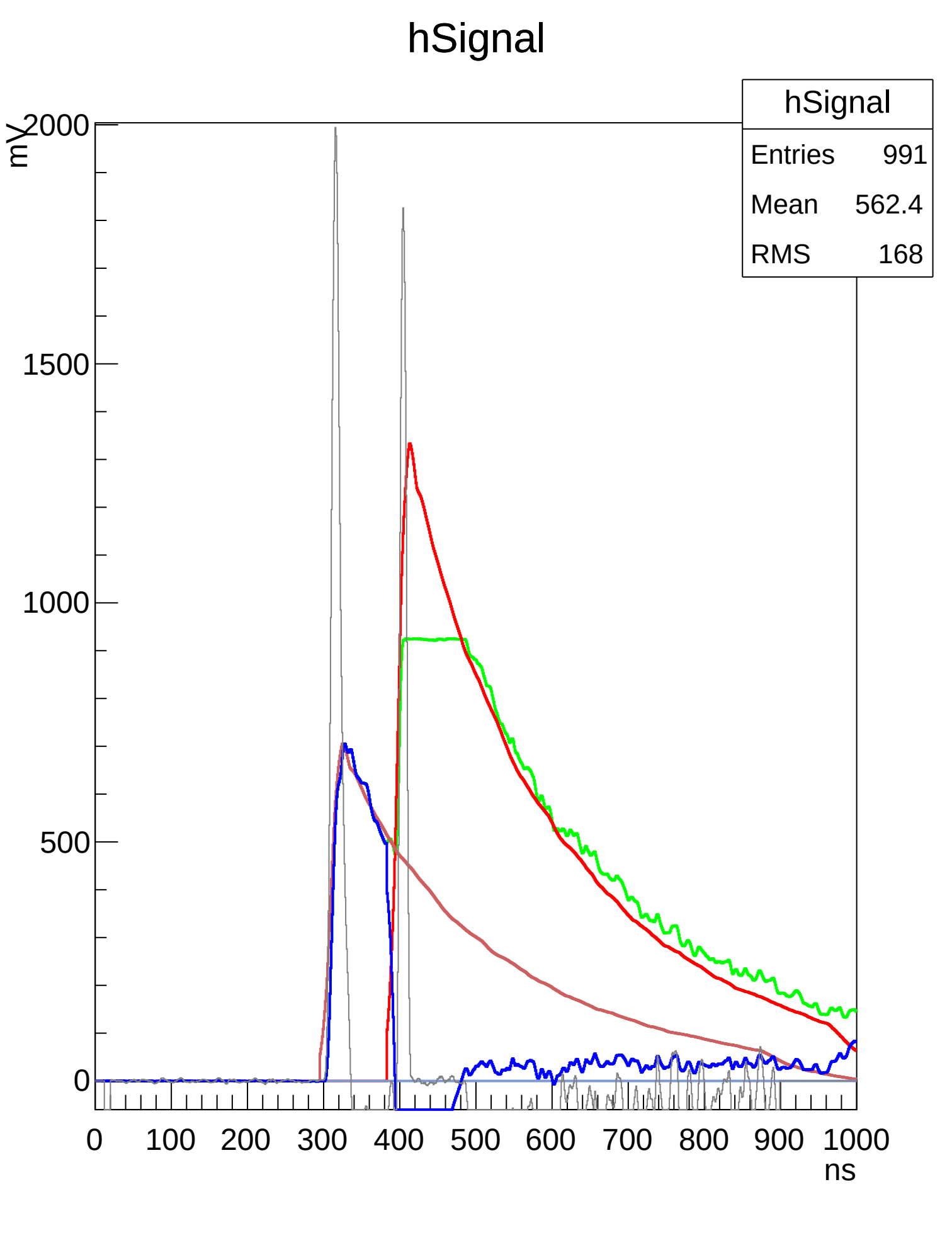

hSignal
hSignal
Entries 991
Mean 616.6
RMS 129.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

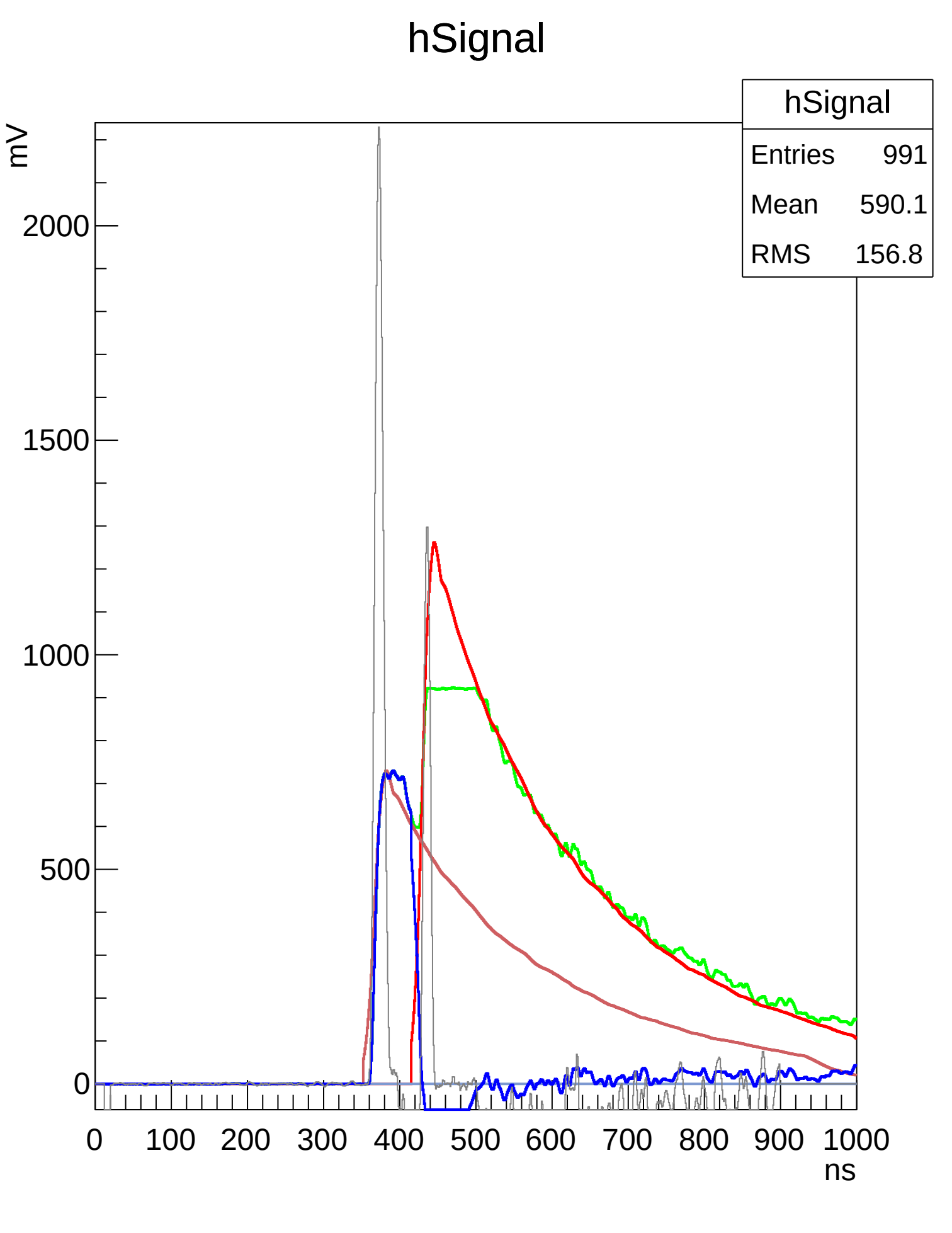

hSignal
hSignal
Entries 991
Mean 623.4
RMS 152.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

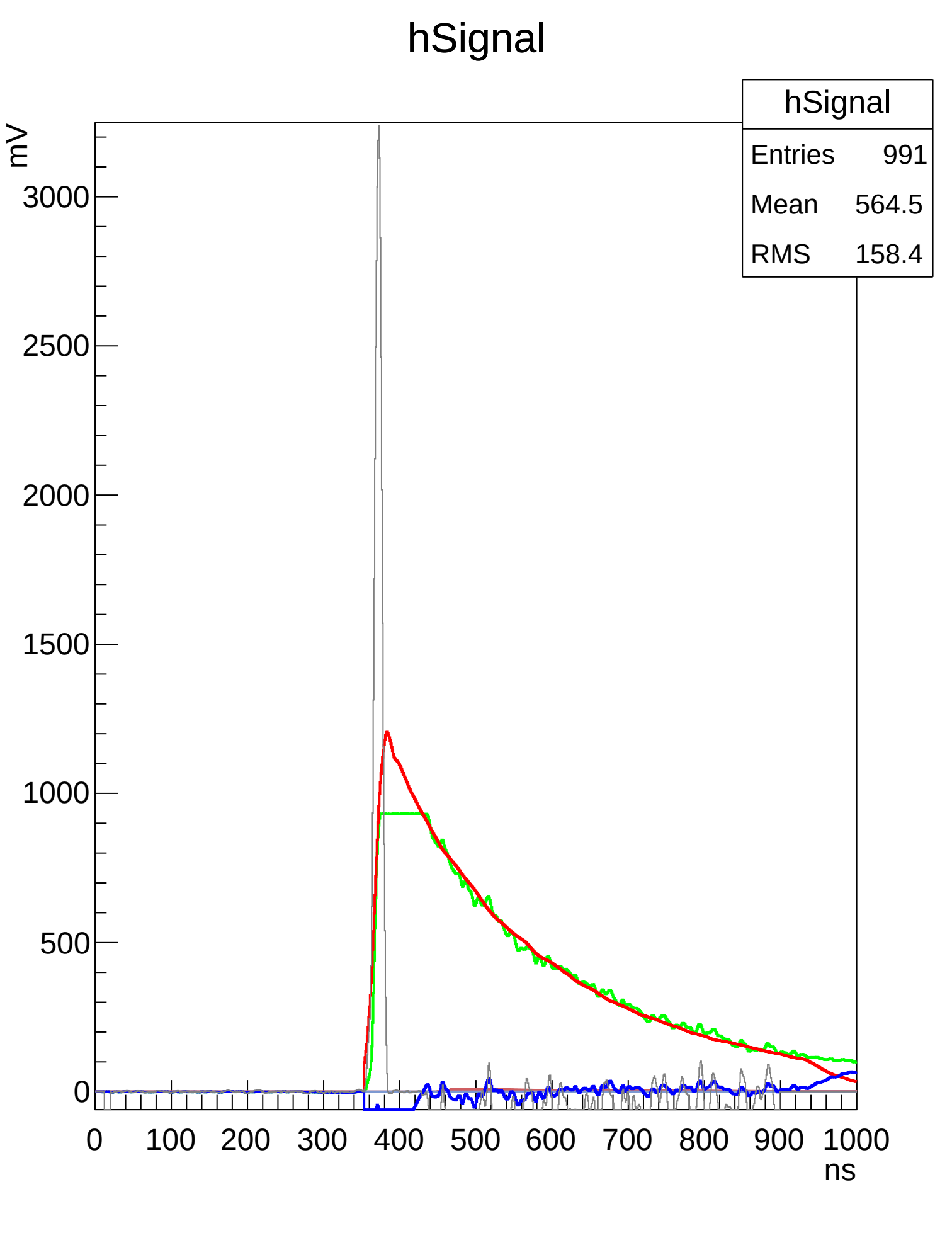

hSignal
hSignal
Entries 991
Mean 561.8
RMS 162.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

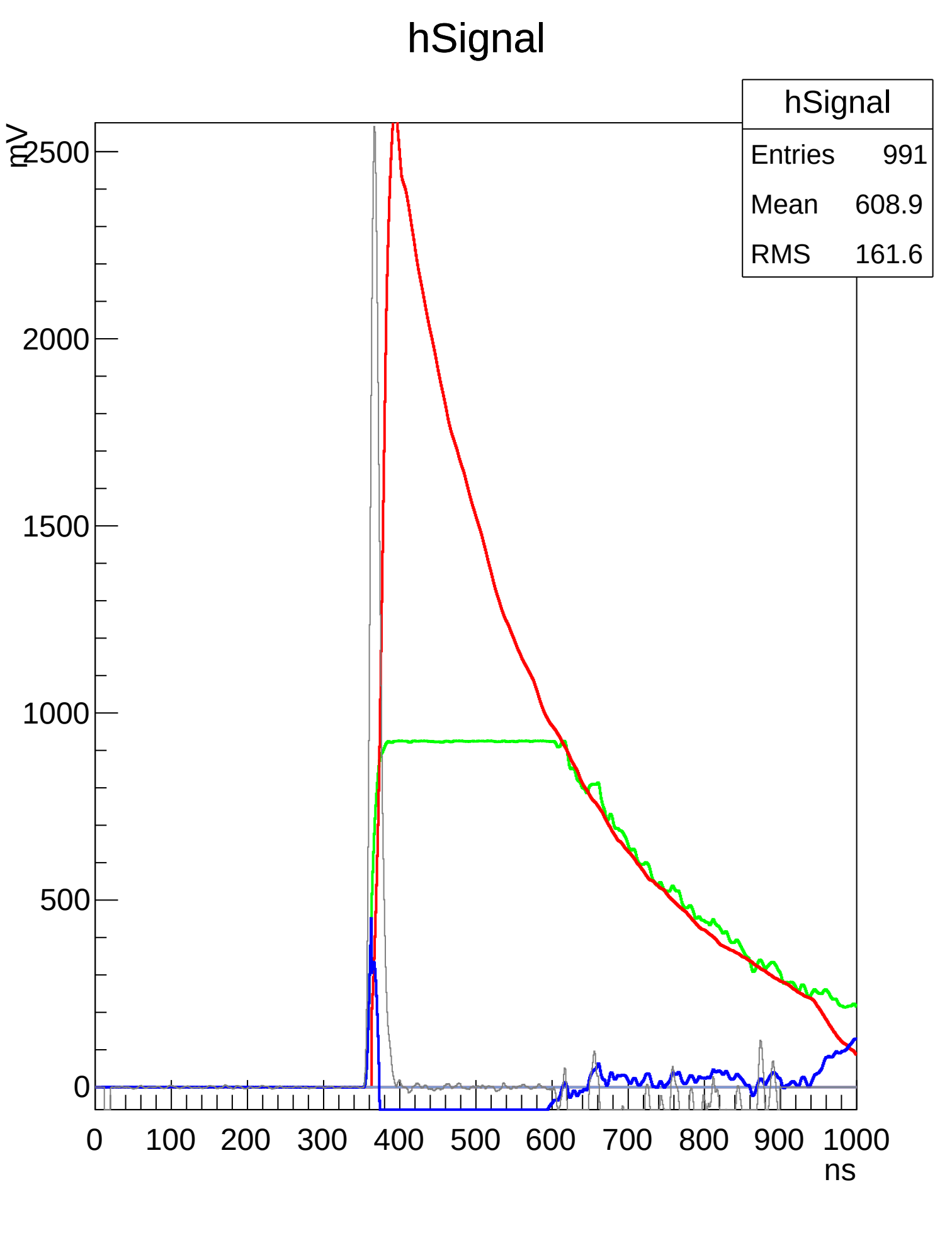

hSignal
hSignal
Entries 991
Mean 607.3
RMS 98.57
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

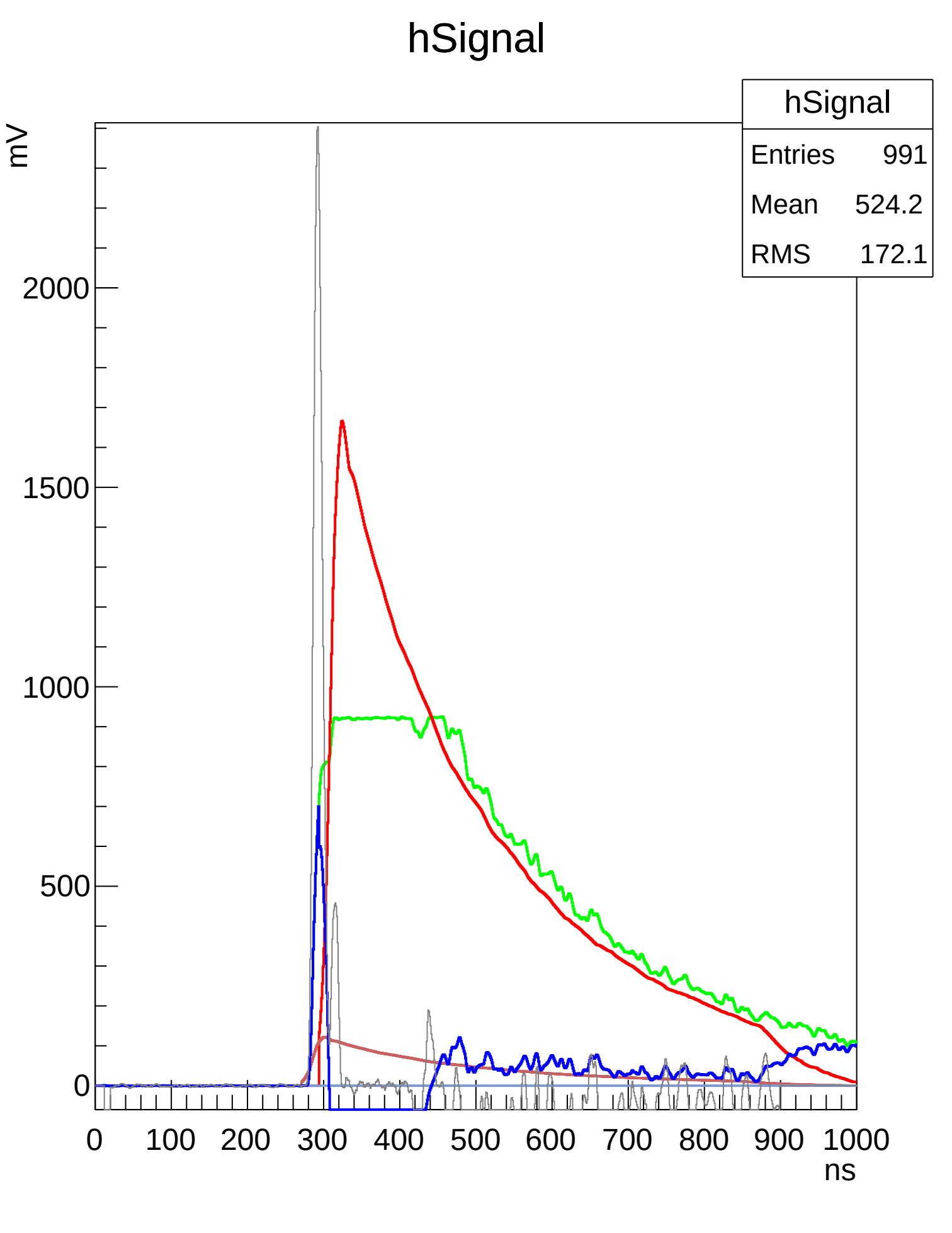

hSignal
hSignal
Entries 991
Mean 549.1
RMS 171.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

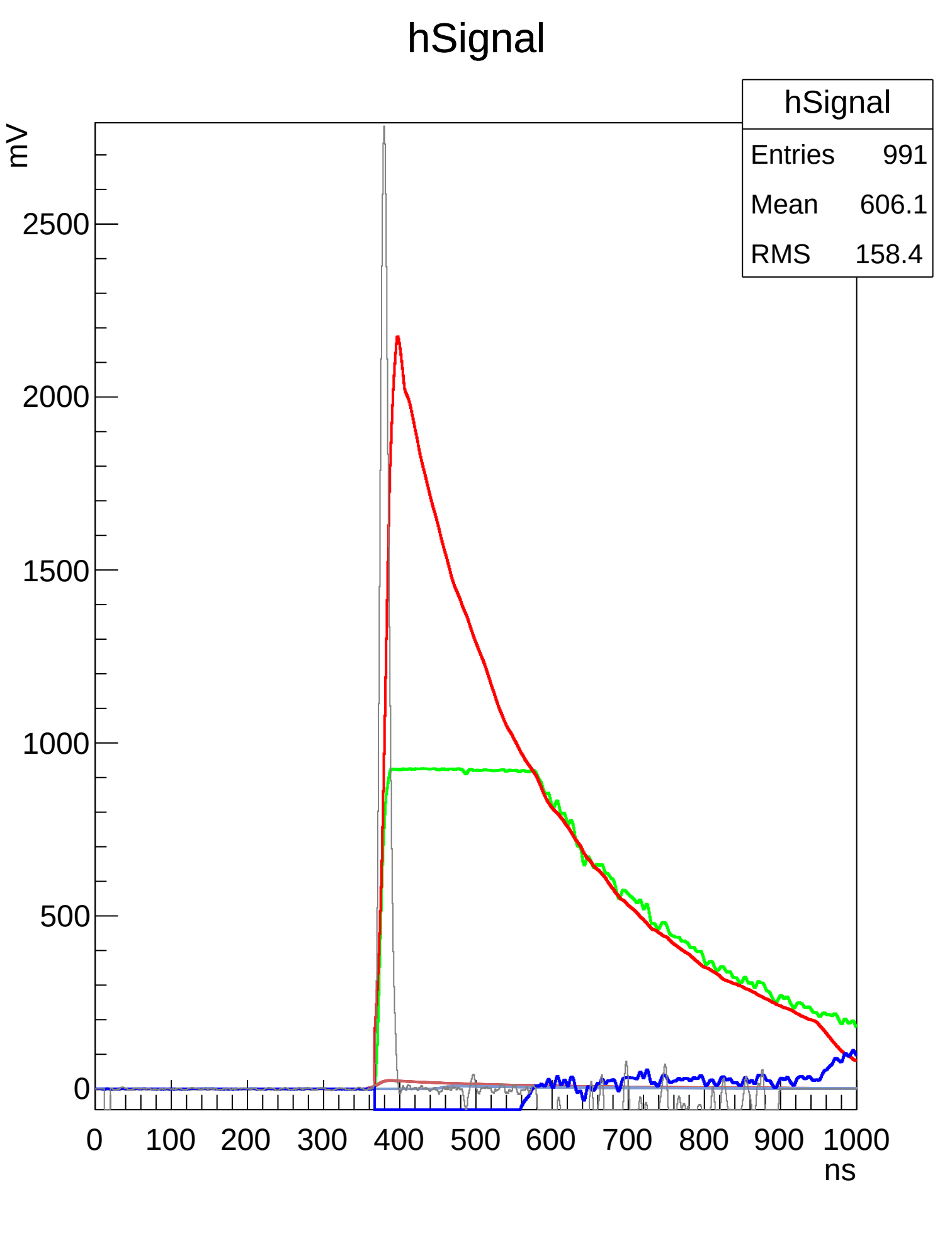

hSignal
hSignal
Entries 991
Mean 562.4
RMS 168
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

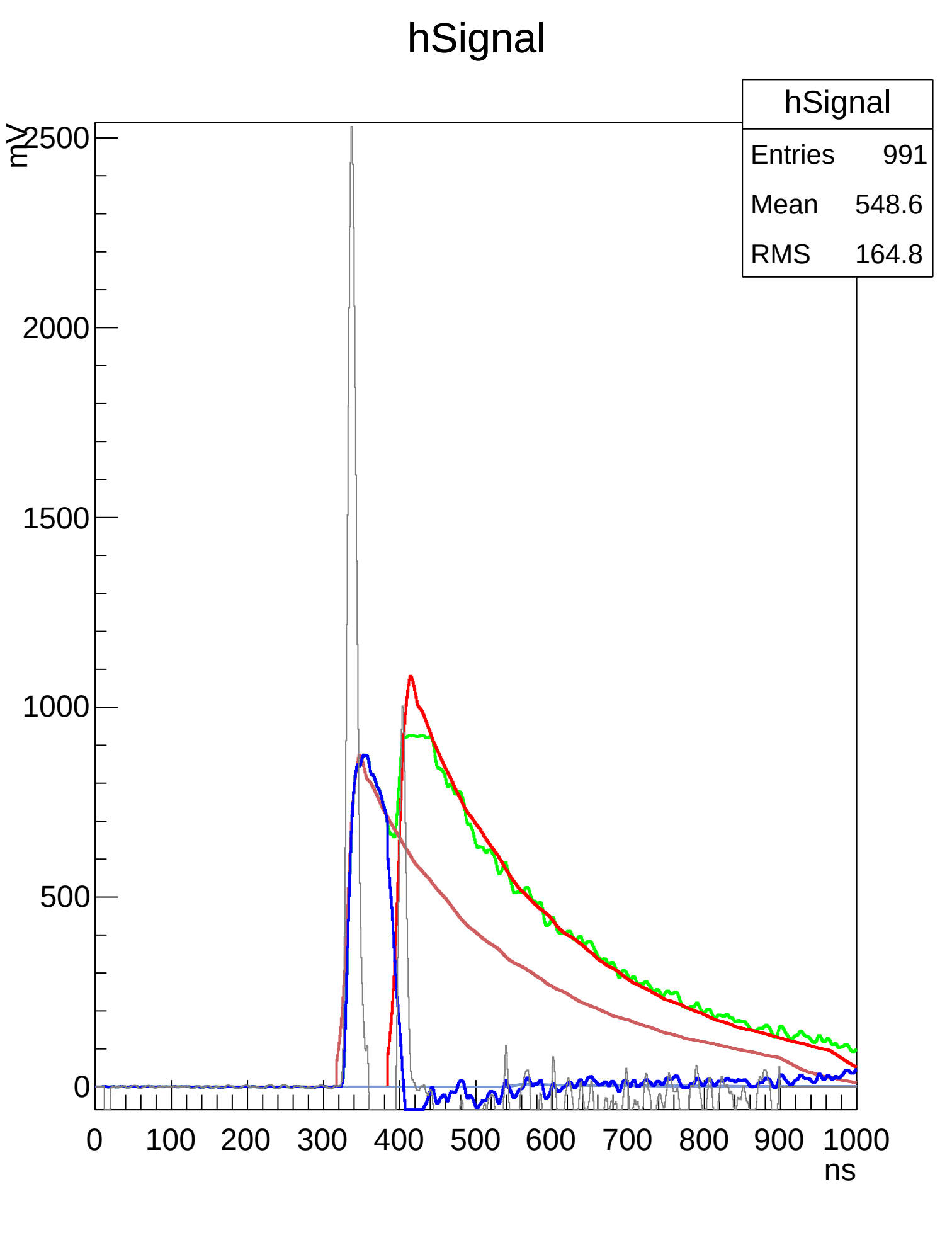

hSignal
hSignal
Entries 991
Mean 590.1
RMS 156.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

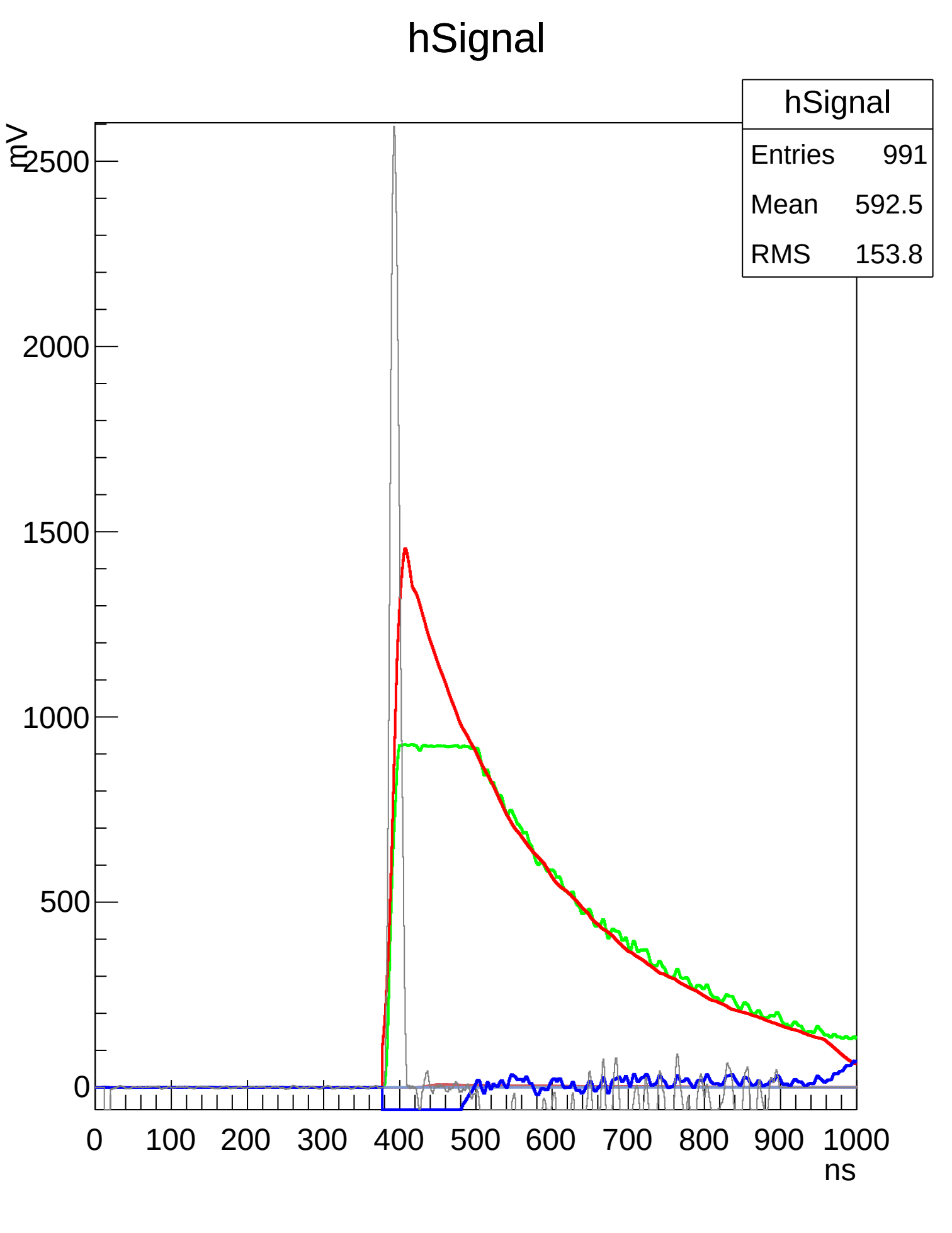

hSignal
hSignal
Entries 991
Mean 564.5
RMS 158.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

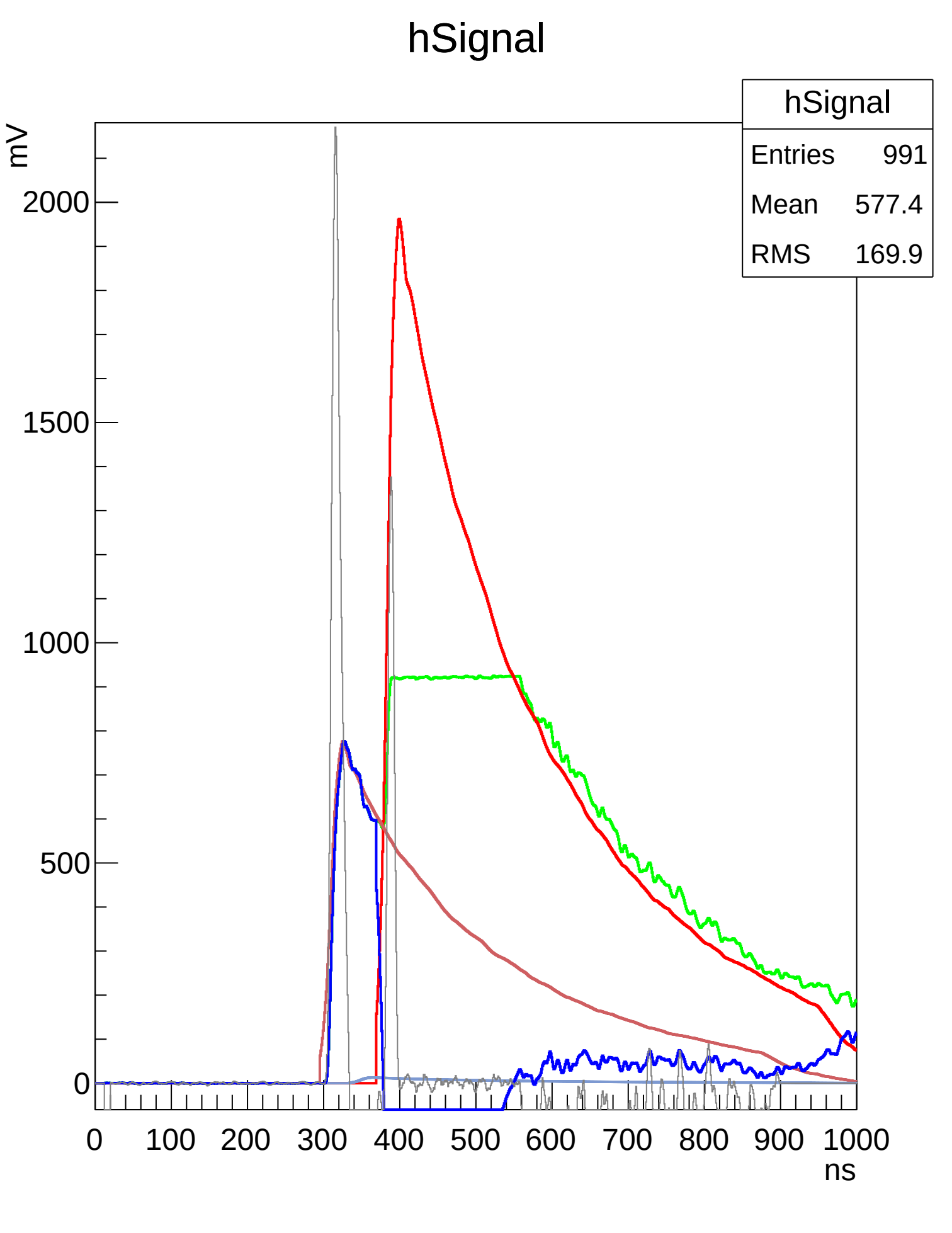

hSignal
hSignal
Entries 991
Mean 608.9
RMS 161.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

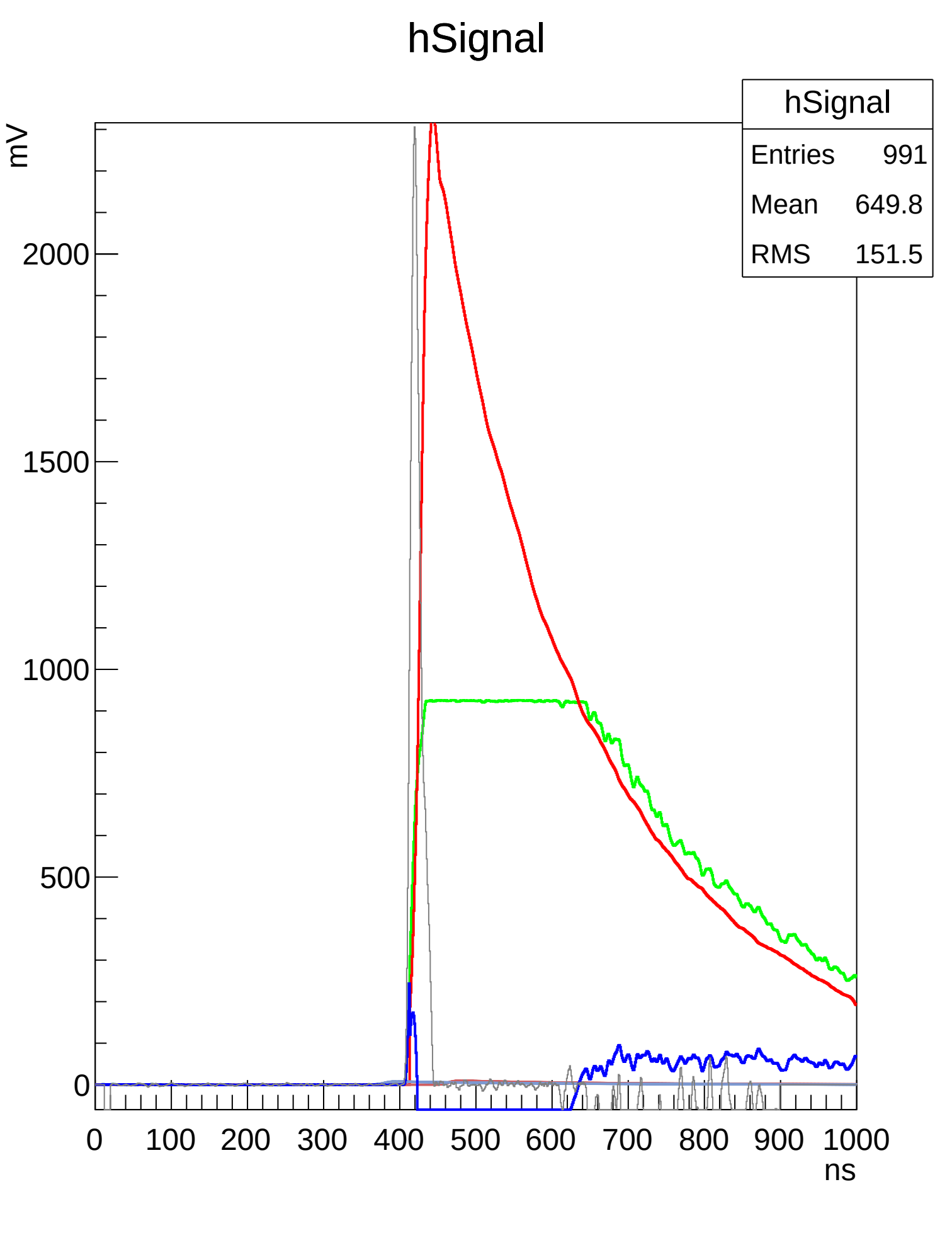

hSignal
hSignal
Entries 991
Mean 524.2
RMS 172.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

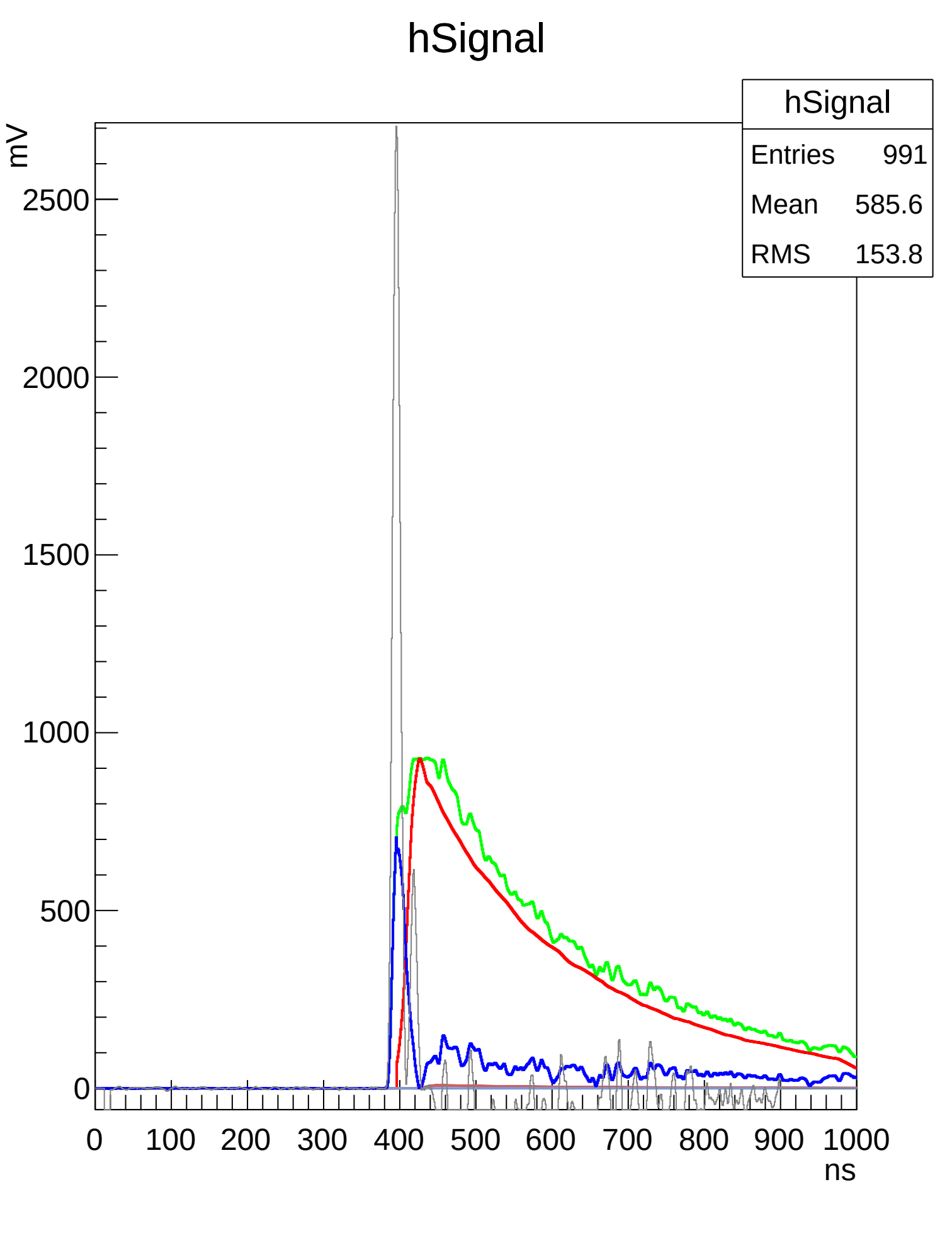

hSignal
hSignal
Entries 991
Mean 606.1
RMS 158.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

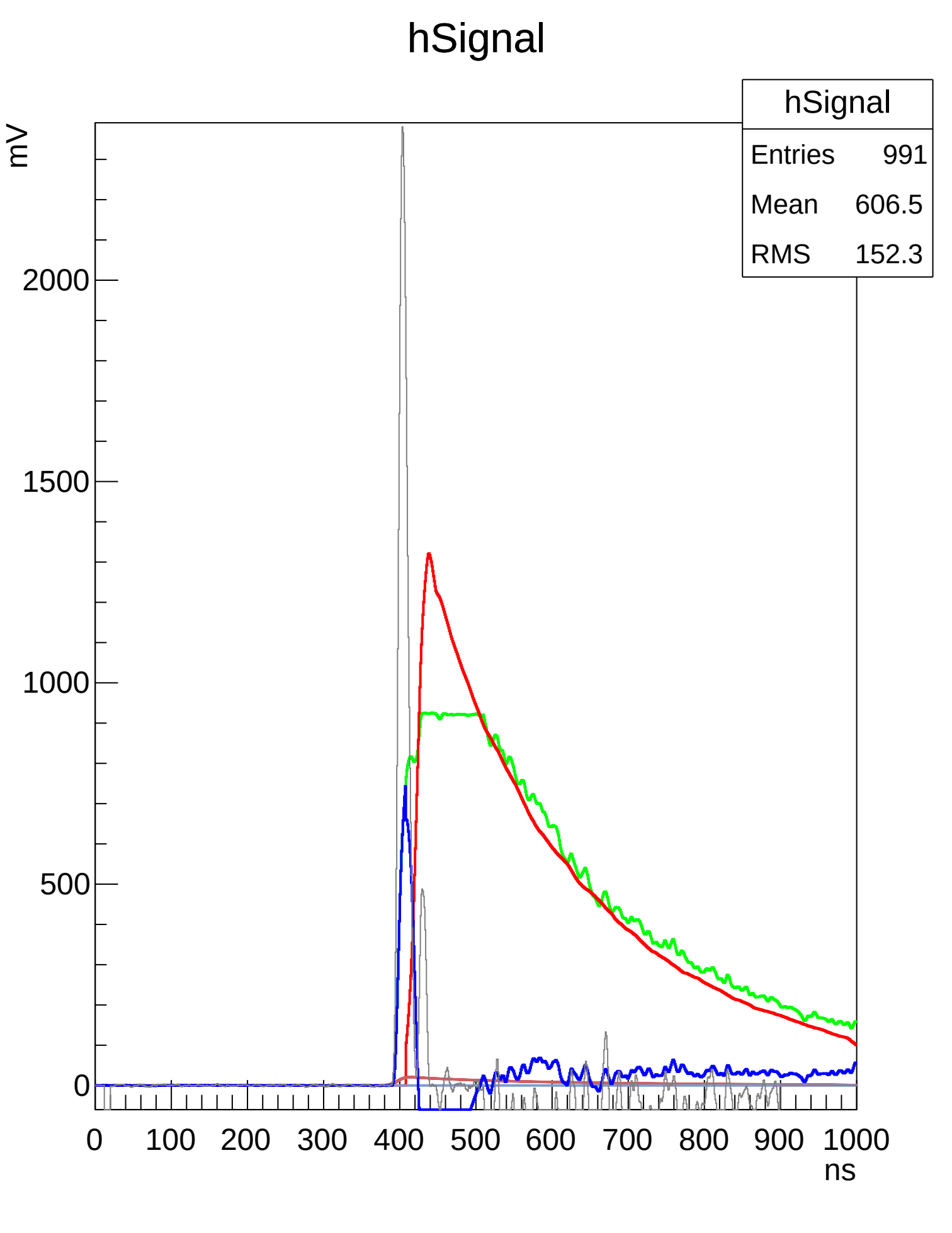

hSignal
hSignal
Entries 991
Mean 548.6
RMS 164.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

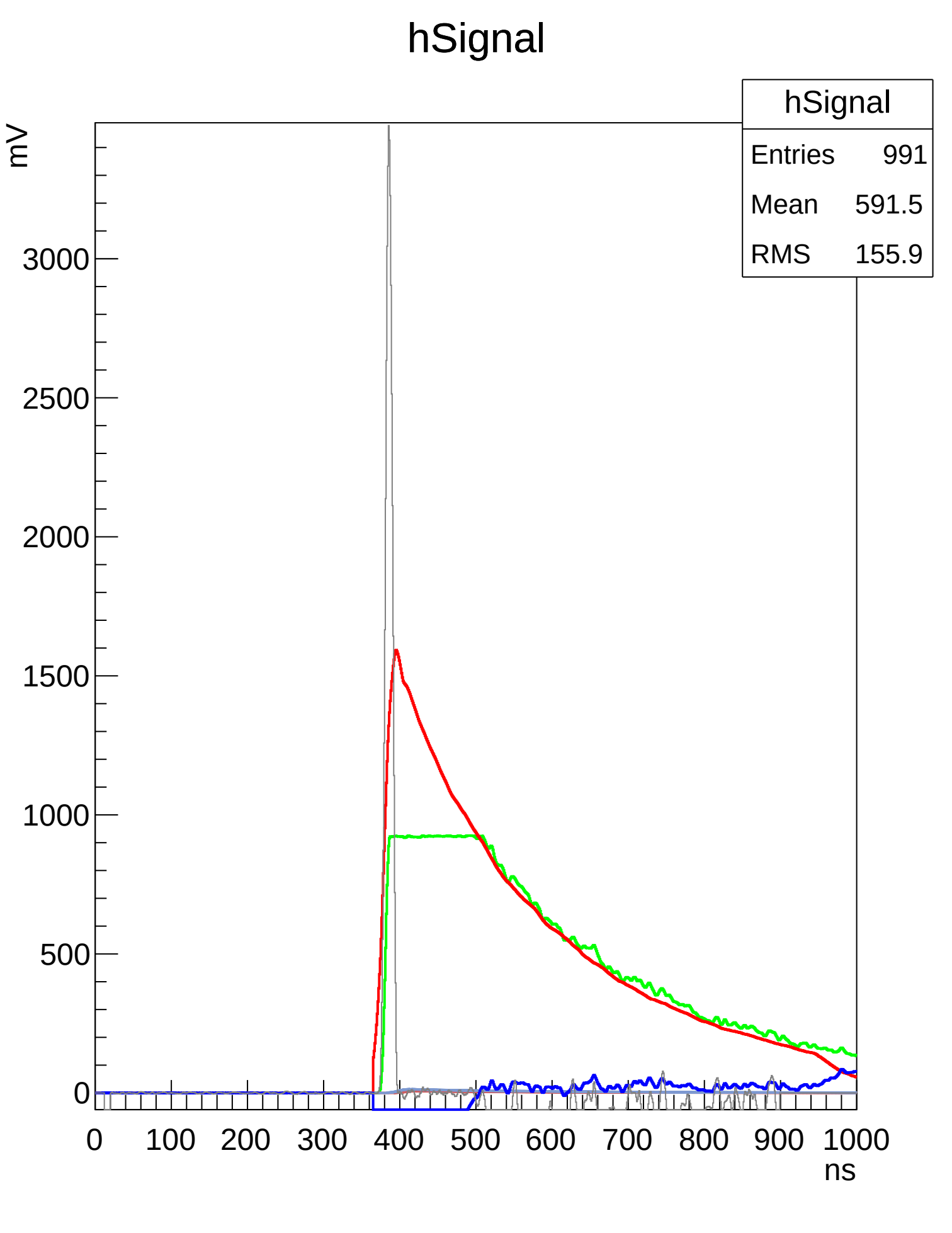

hSignal
hSignal
Entries 991
Mean 592.5
RMS 153.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

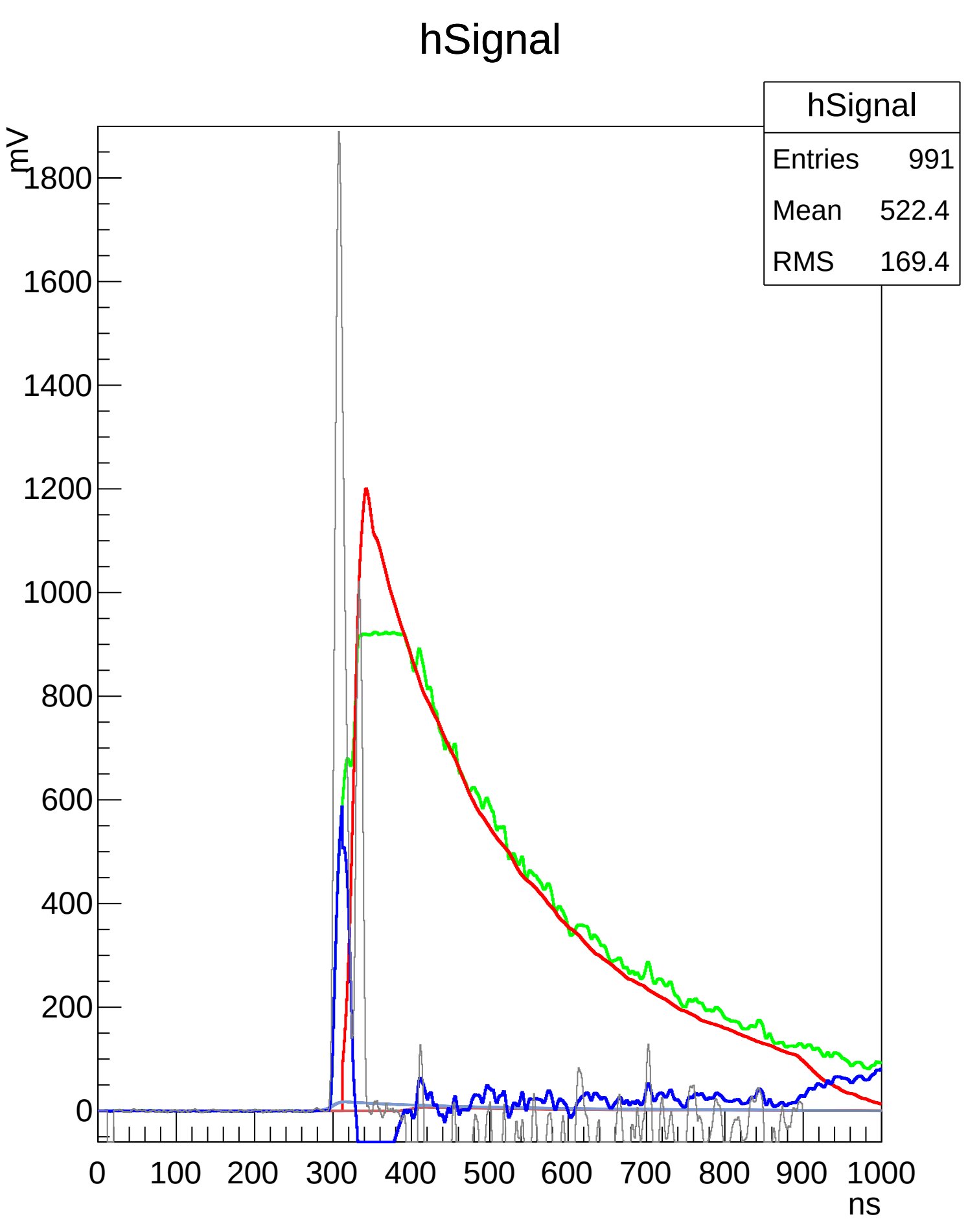

hSignal
hSignal
Entries 991
Mean 577.4
RMS 169.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

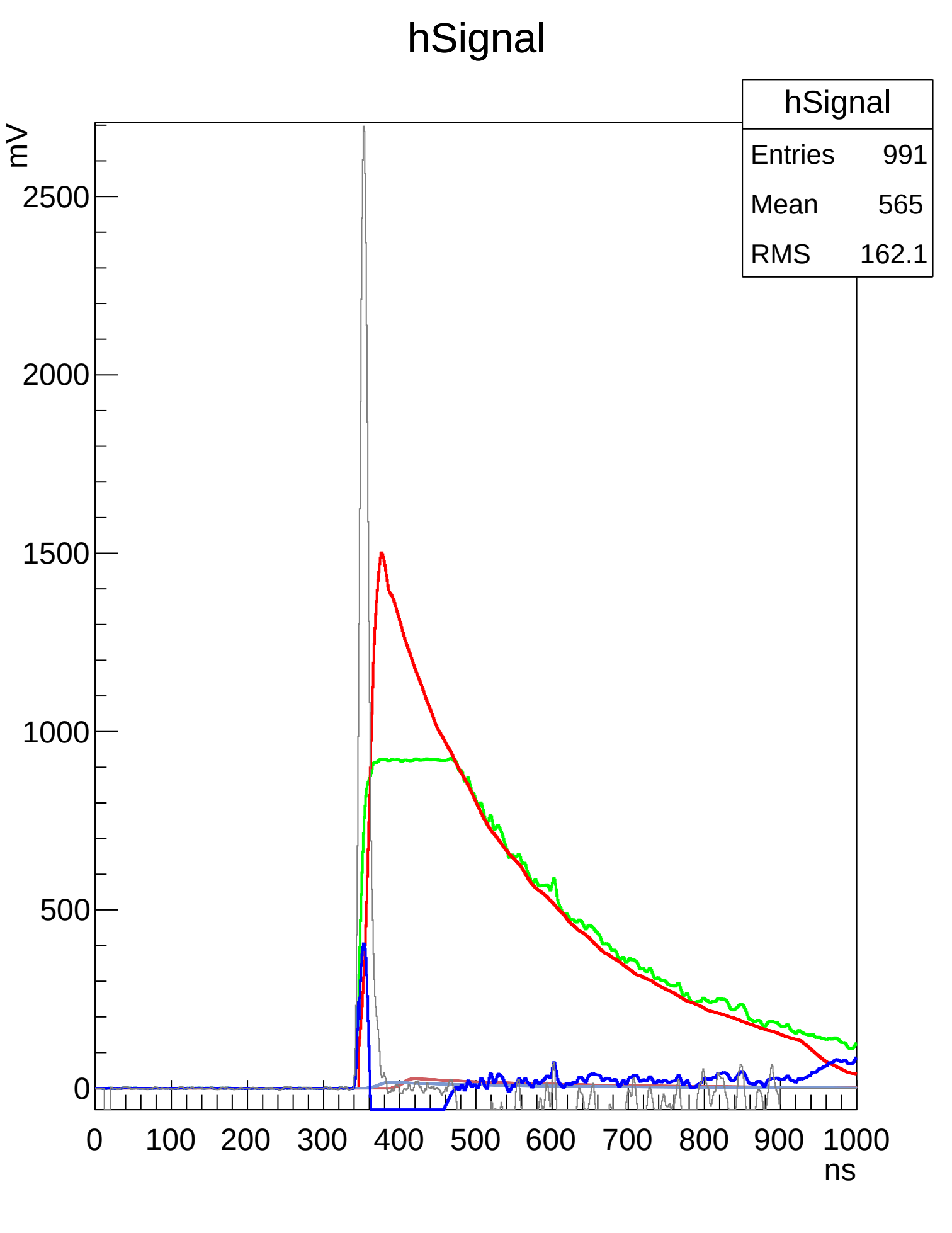

hSignal
hSignal
Entries 991
Mean 649.8
RMS 151.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

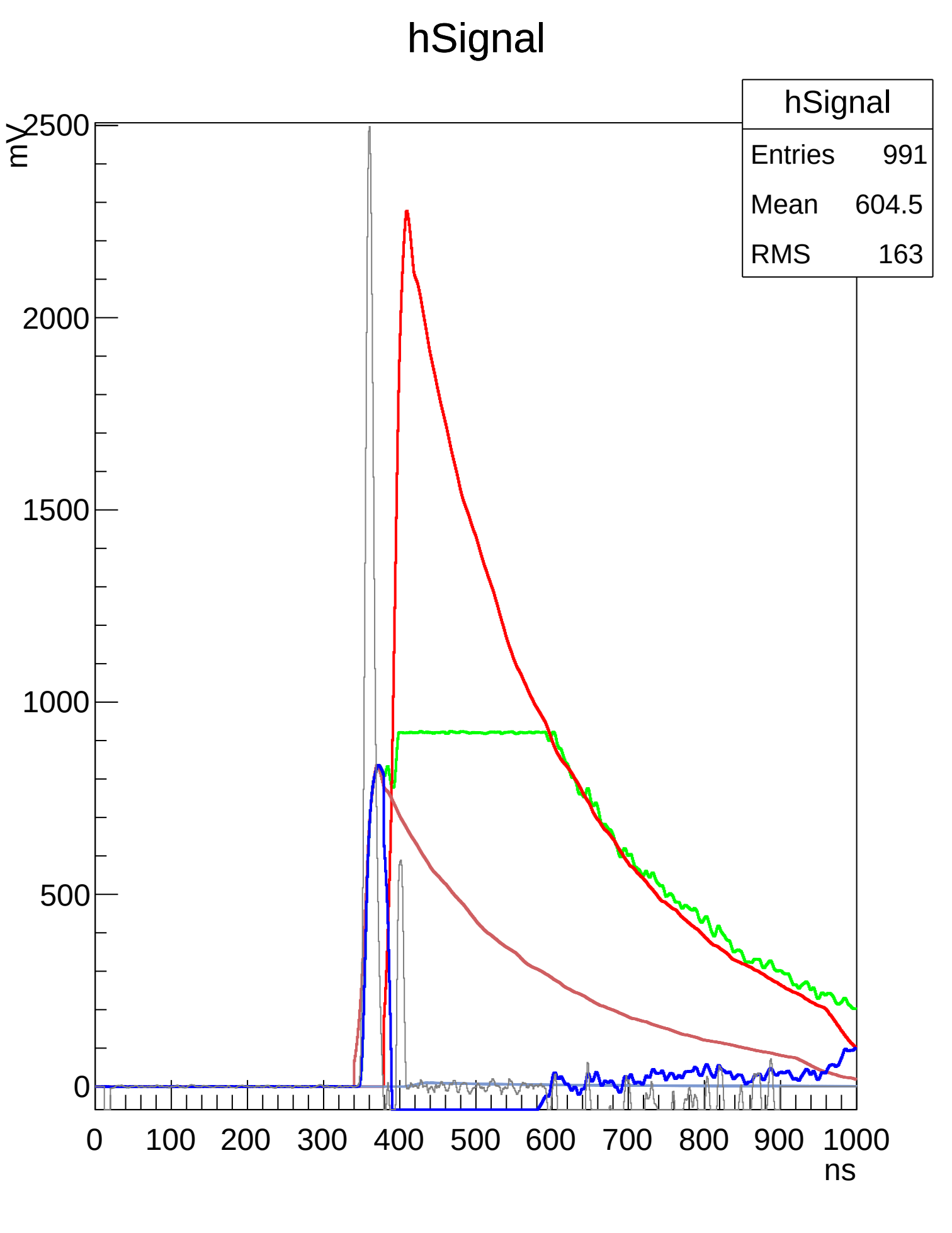

hSignal
hSignal
Entries 991
Mean 585.6
RMS 153.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

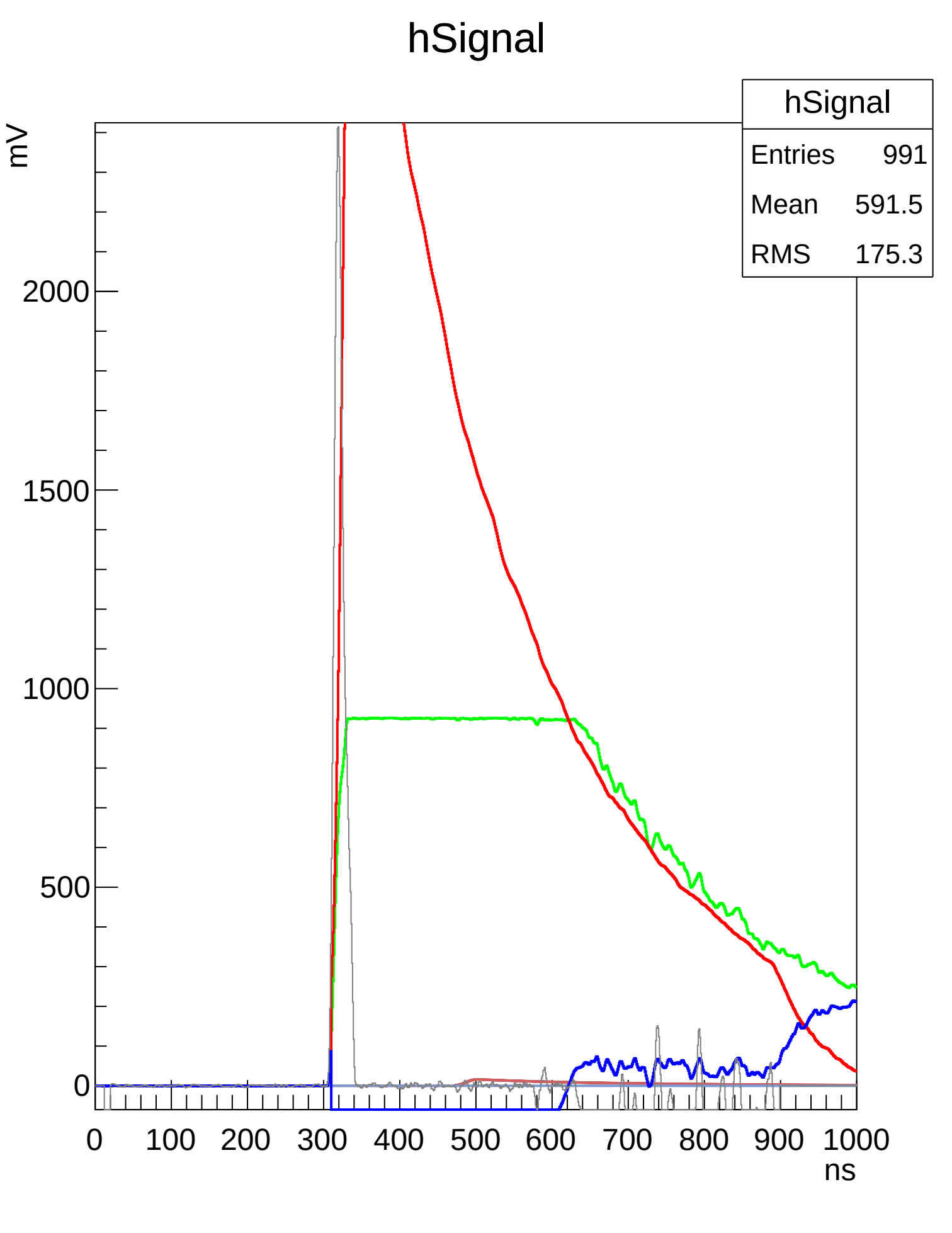

hSignal
hSignal
Entries 991
Mean 606.5
RMS 152.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

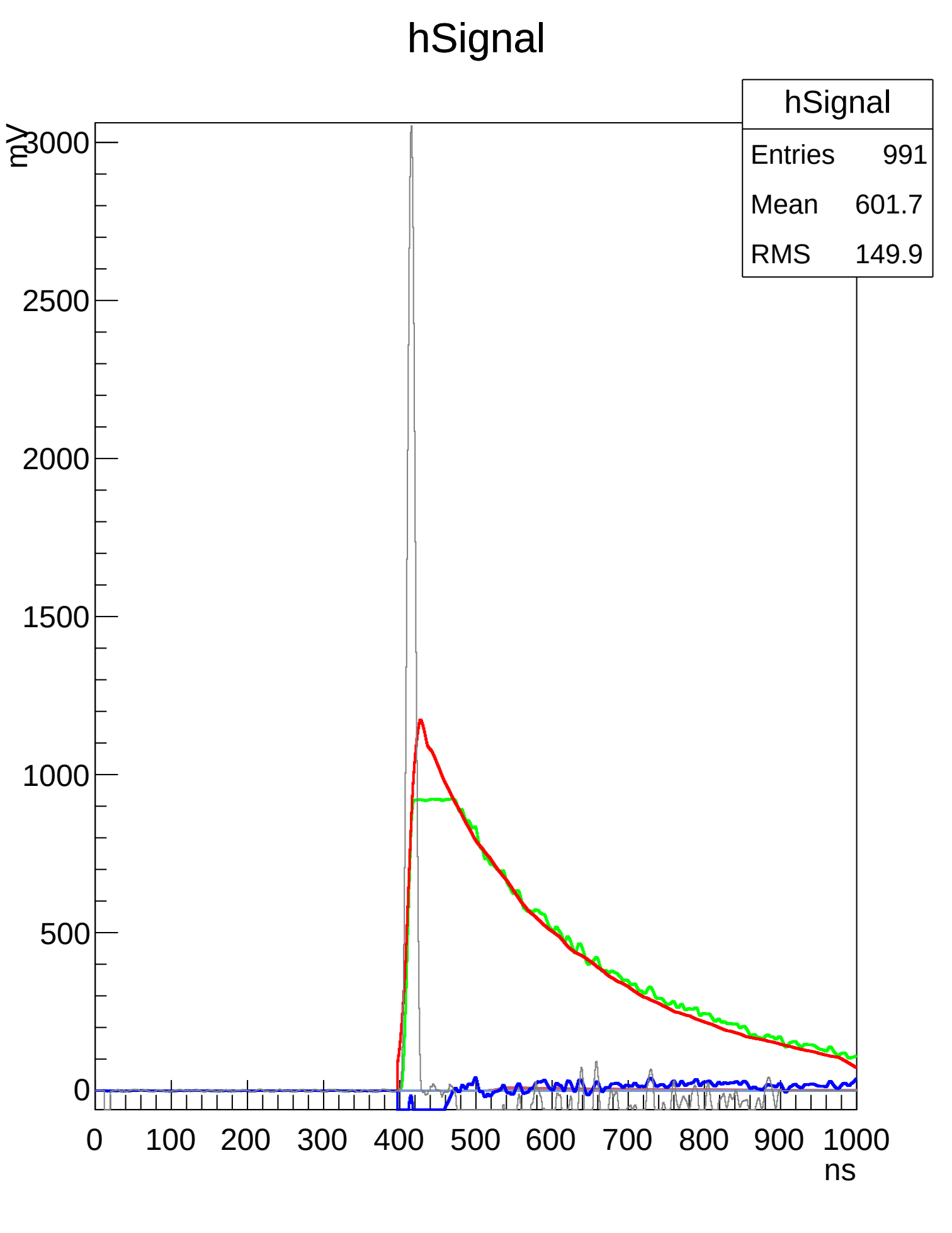

hSignal
hSignal
Entries 991
Mean 591.5
RMS 155.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

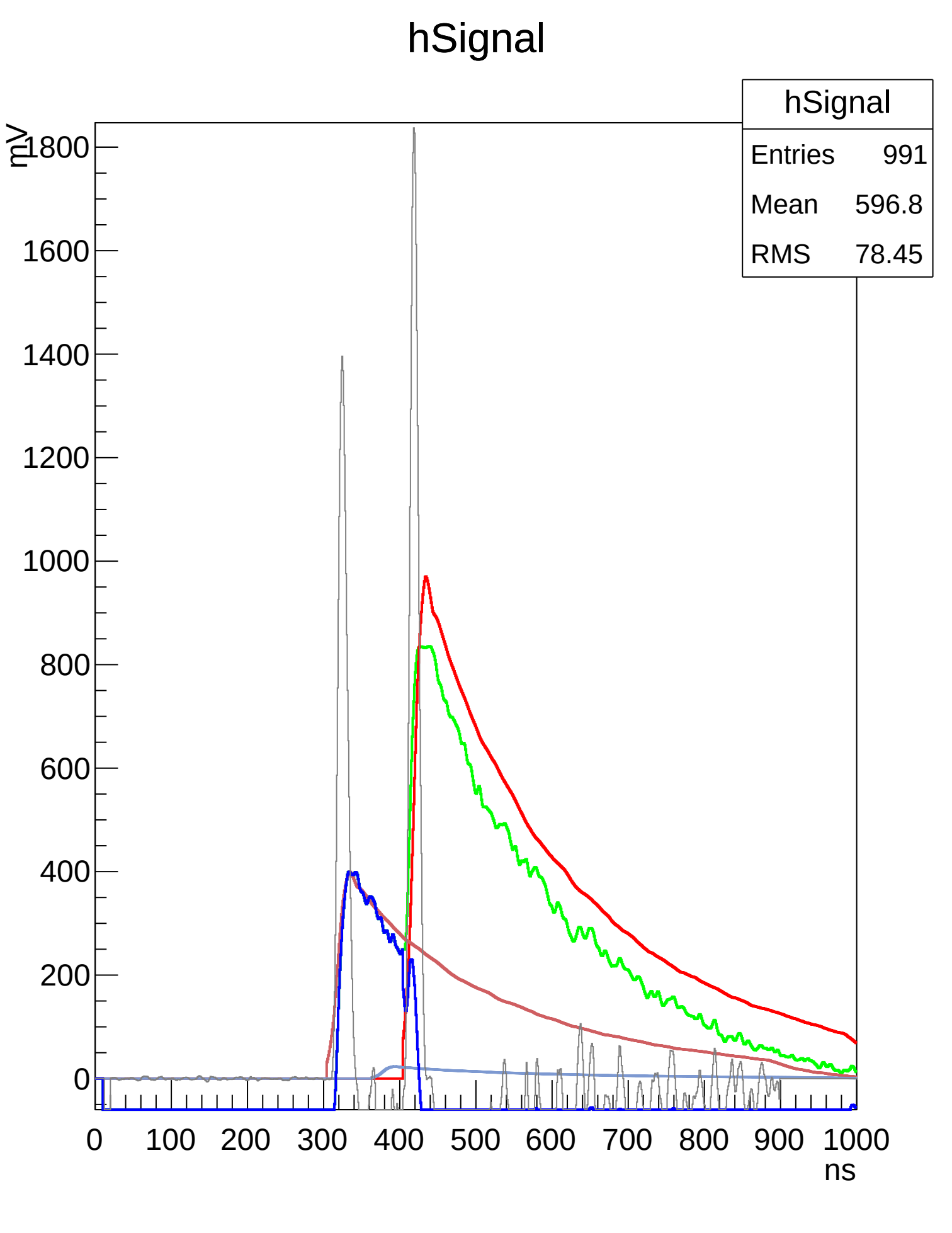

hSignal
hSignal
Entries 991
Mean 522.4
RMS 169.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

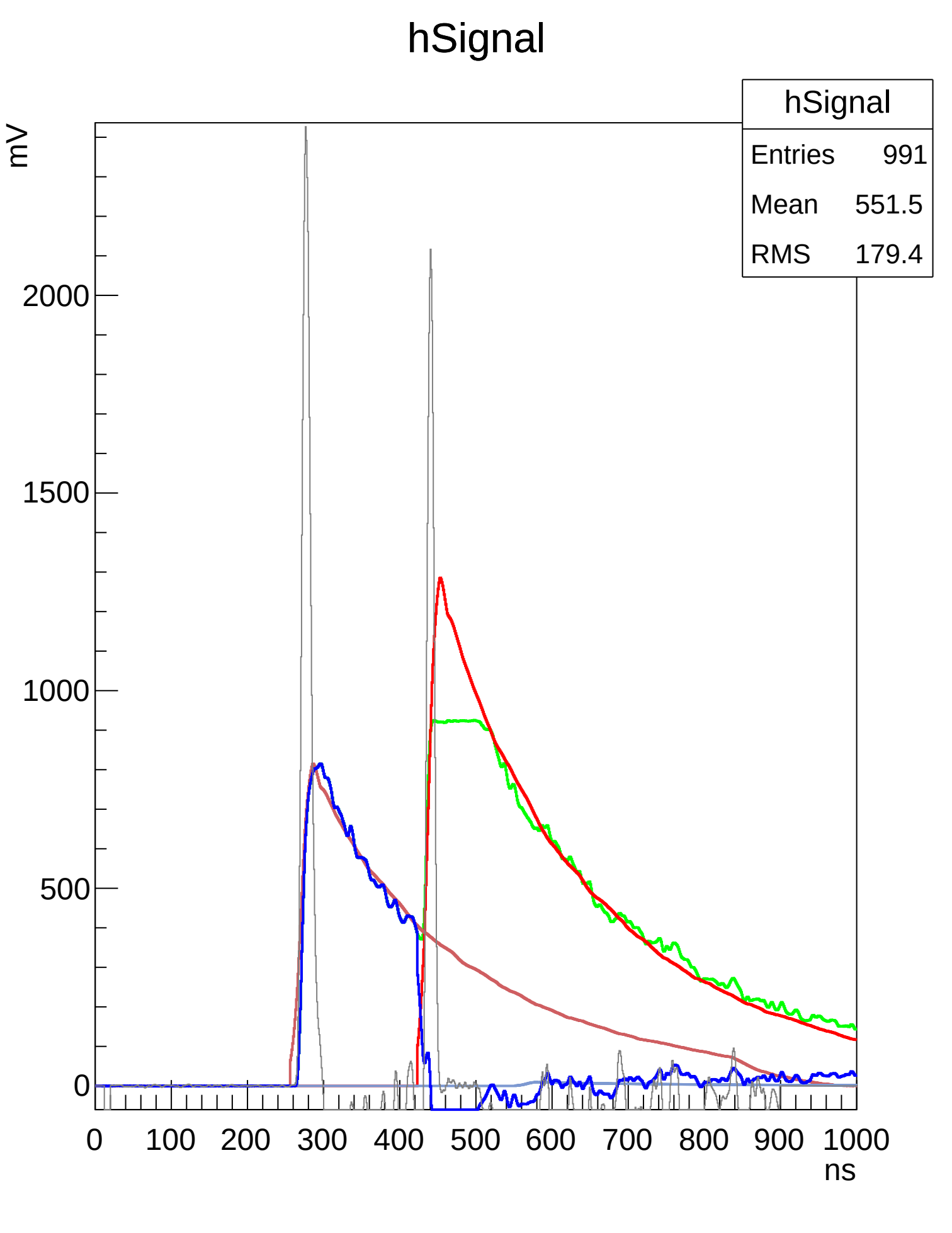

hSignal
hSignal
Entries 991
Mean 565
RMS 162.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

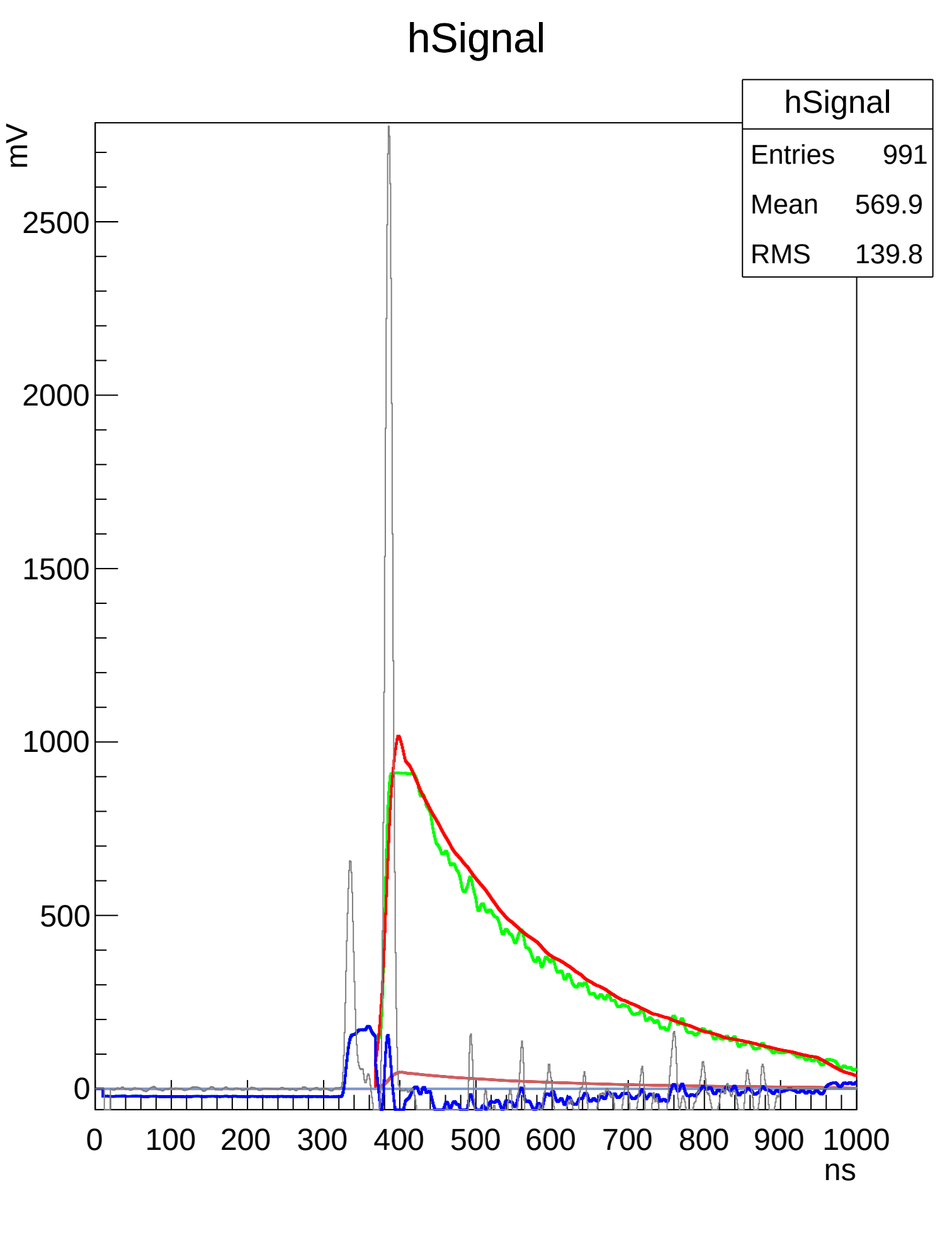

hSignal
hSignal
Entries 991
Mean 604.5
RMS 163
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

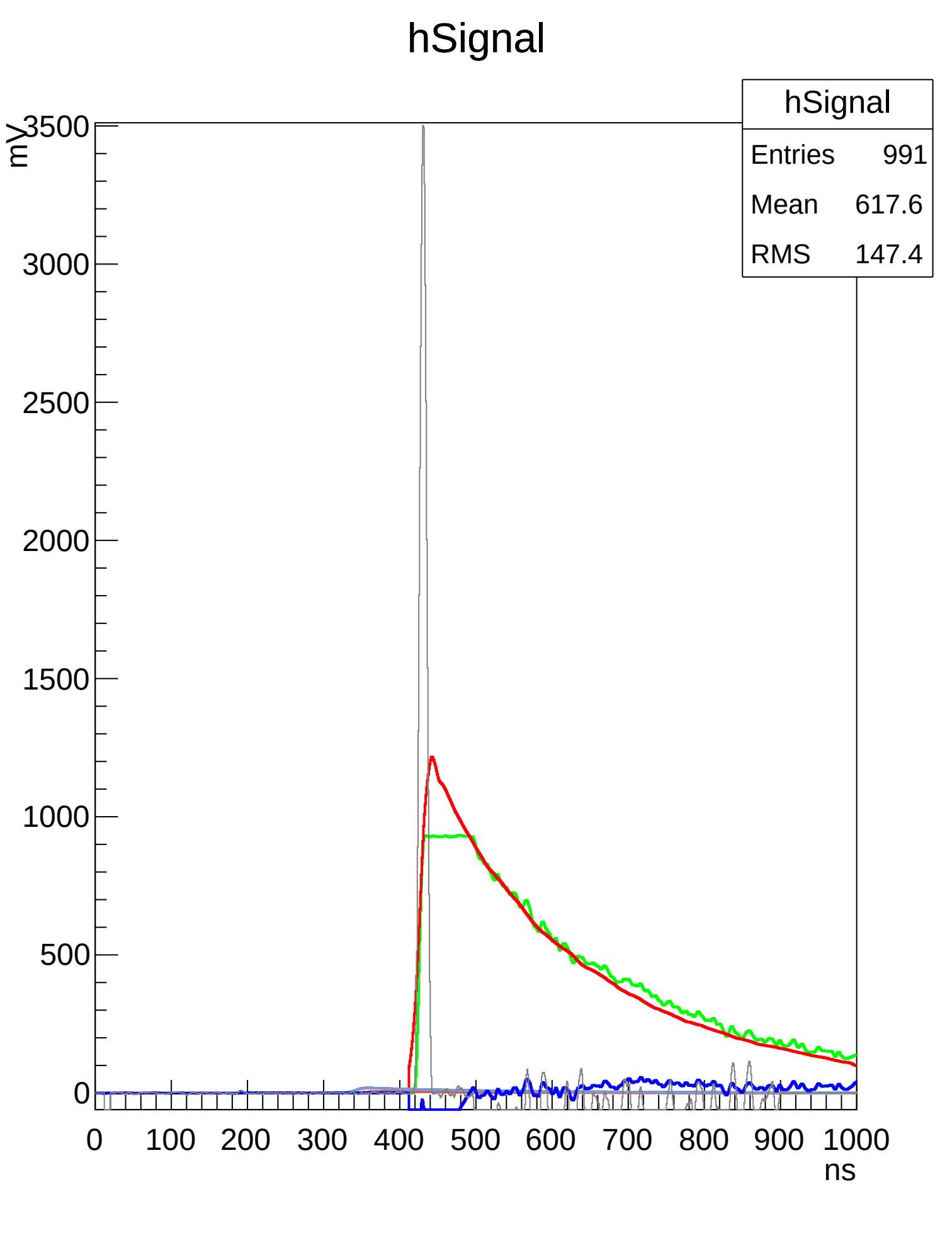

hSignal
hSignal
Entries 991
Mean 591.5
RMS 175.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

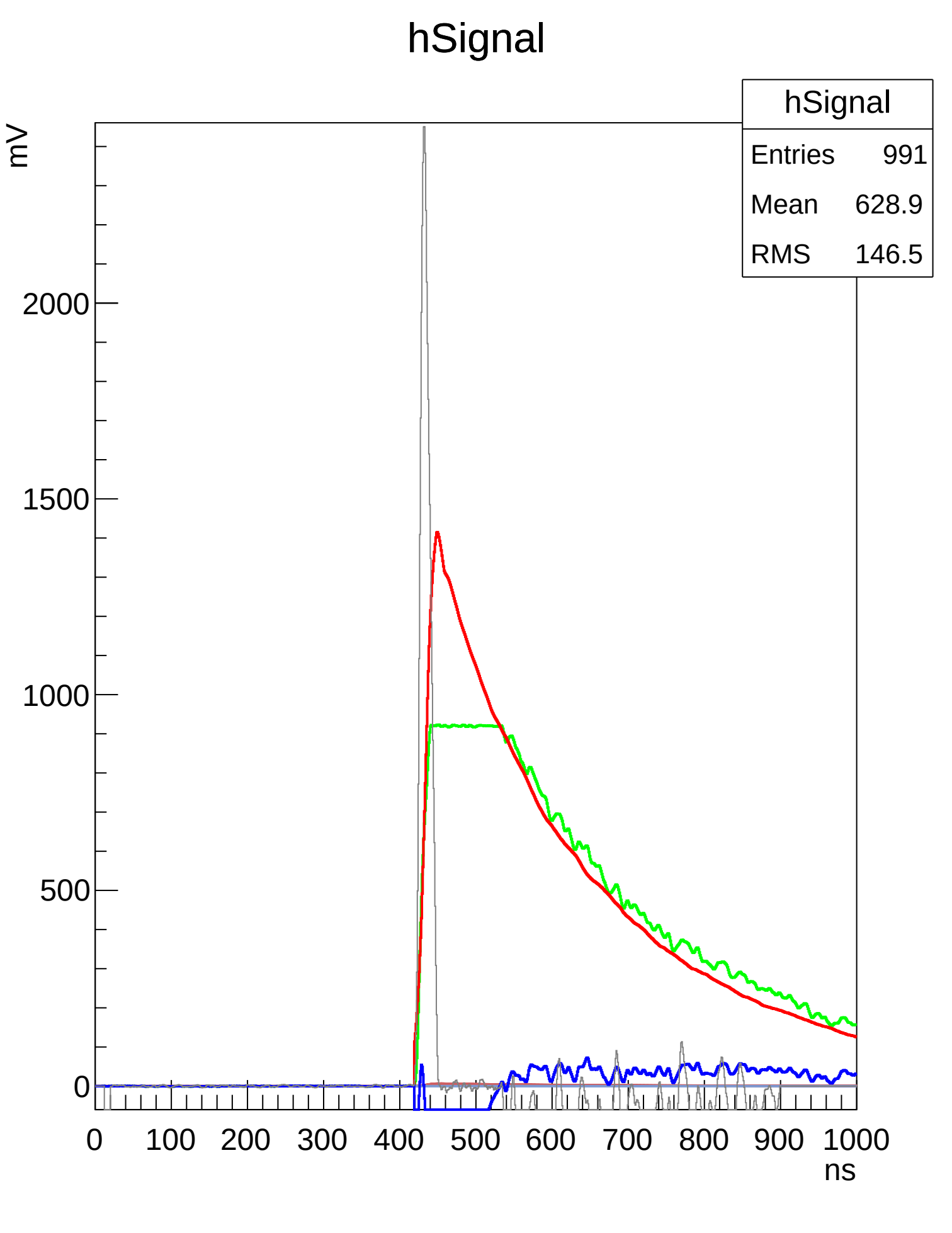

hSignal
hSignal
Entries 991
Mean 601.7
RMS 149.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

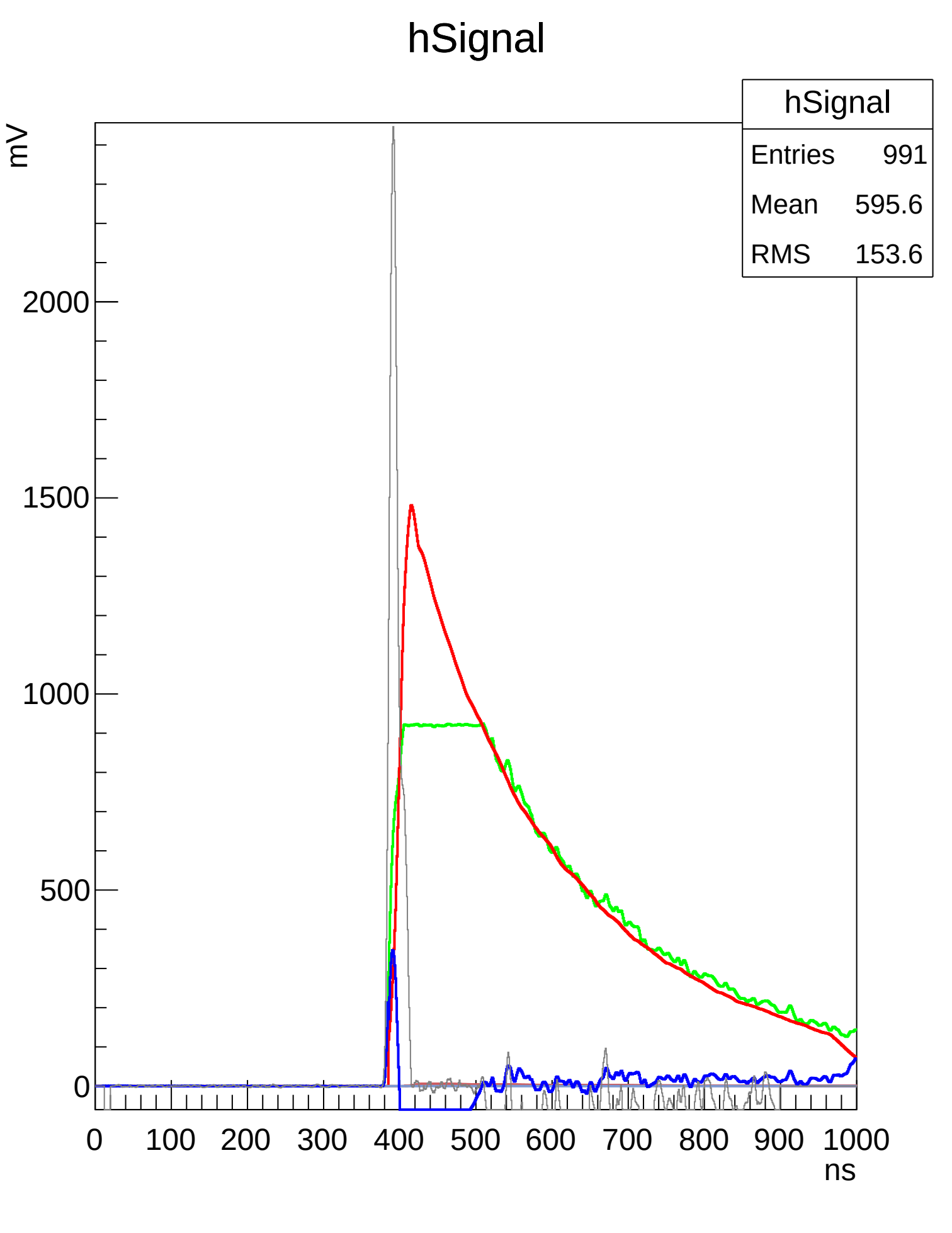

hSignal
hSignal
Entries 991
Mean 596.8
RMS 78.45
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

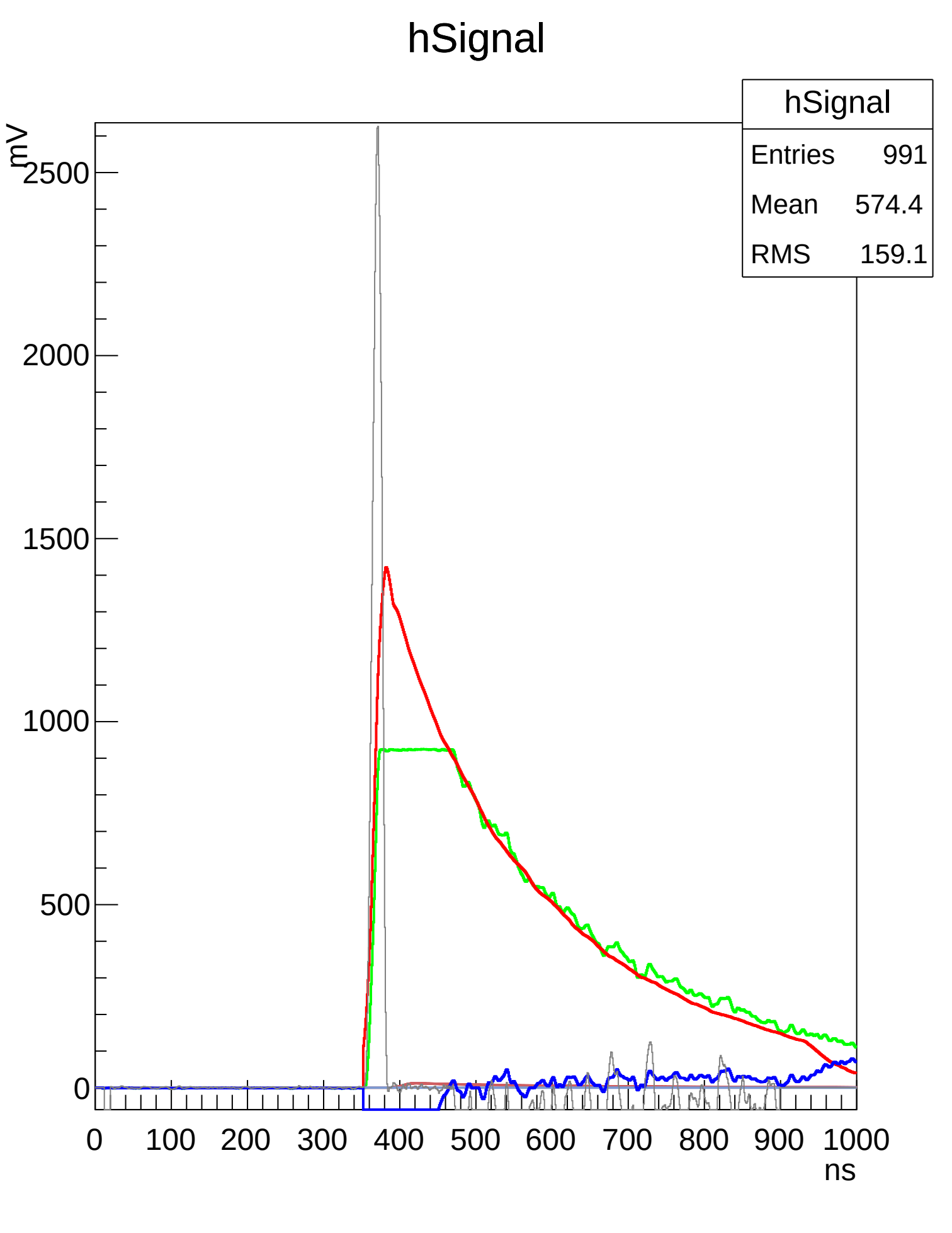

hSignal
hSignal
Entries 991
Mean 551.5
RMS 179.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

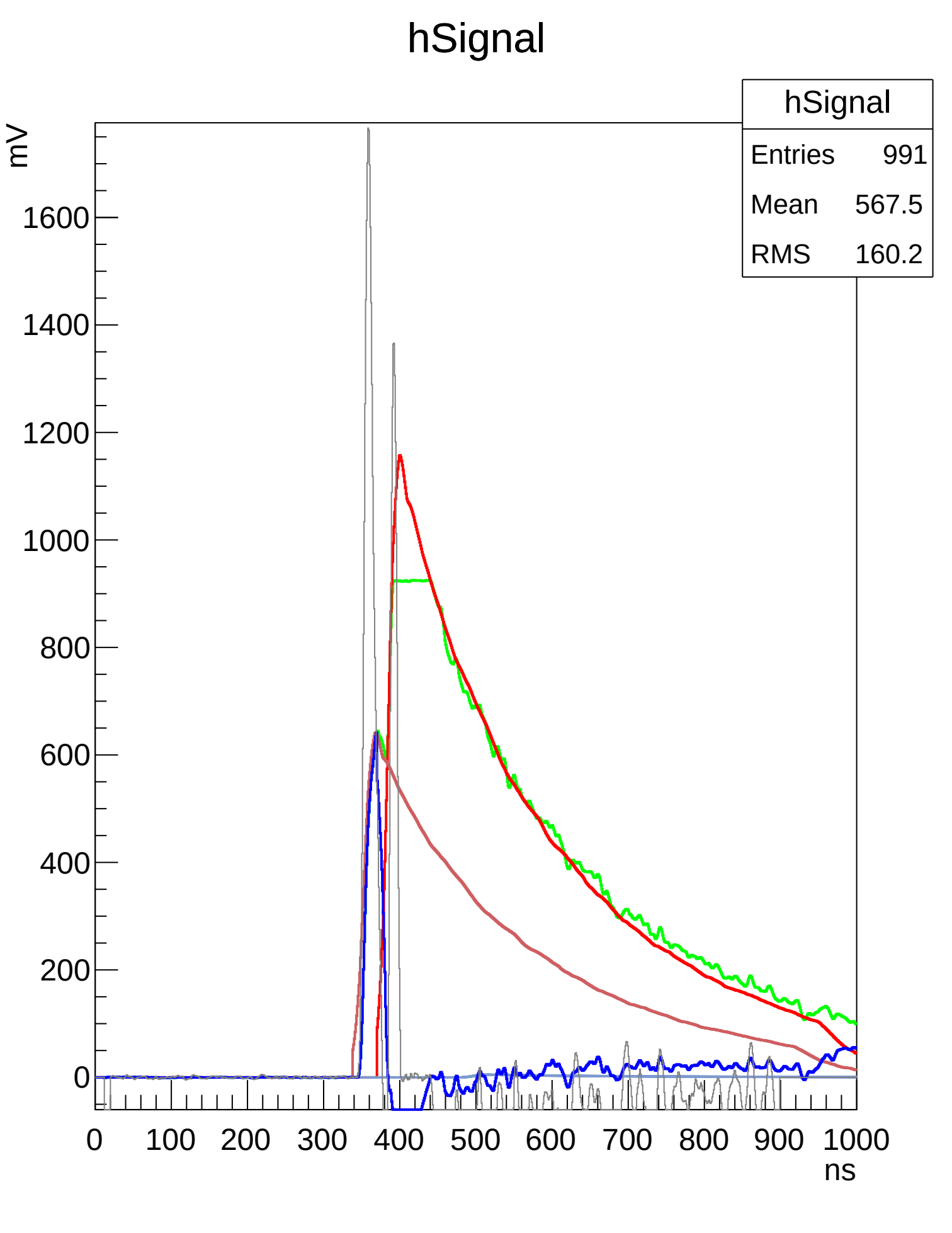

hSignal
hSignal
Entries 991
Mean 569.9
RMS 139.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

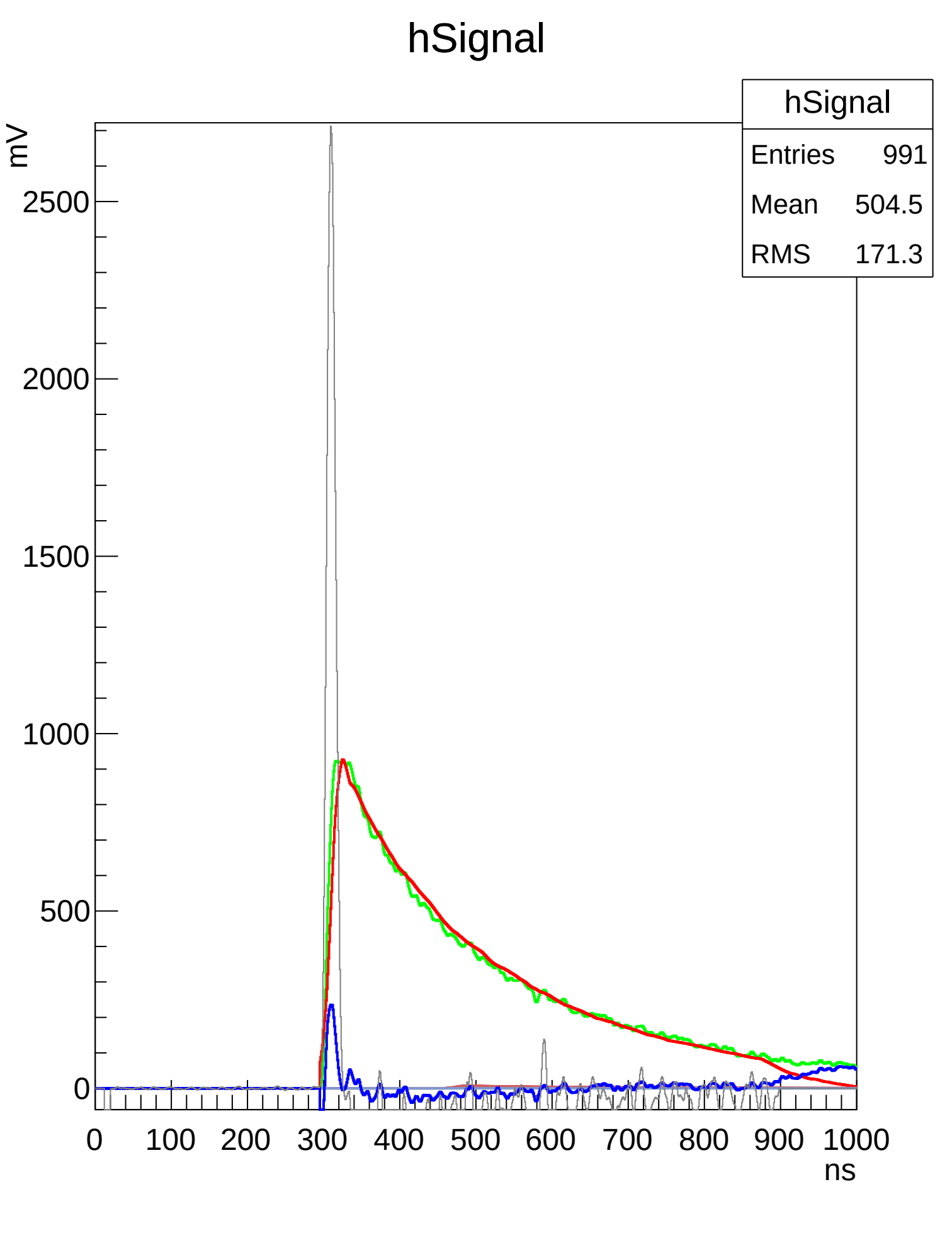

hSignal
hSignal
Entries 991
Mean 617.6
RMS 147.4
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

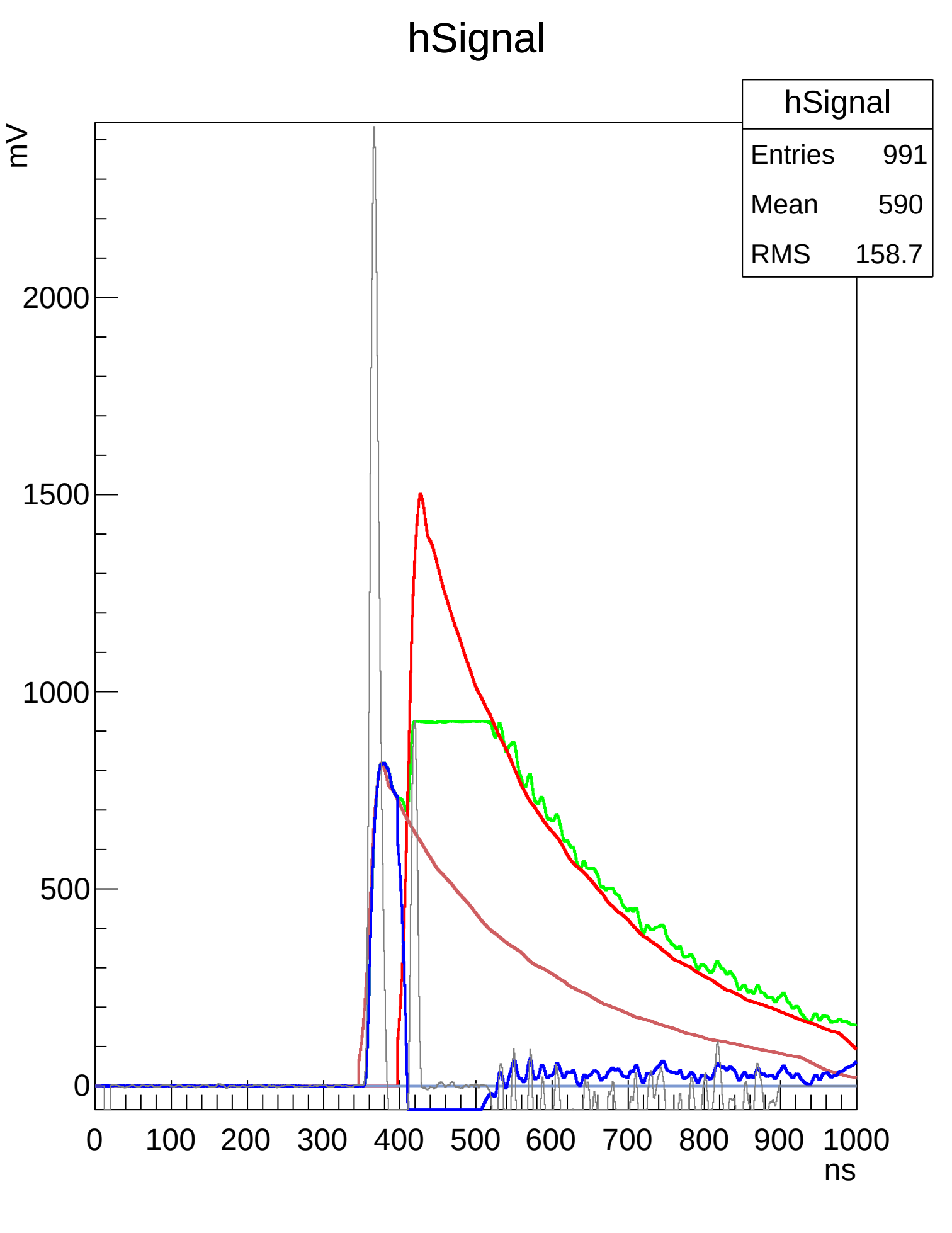

hSignal
hSignal
Entries 991
Mean 628.9
RMS 146.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

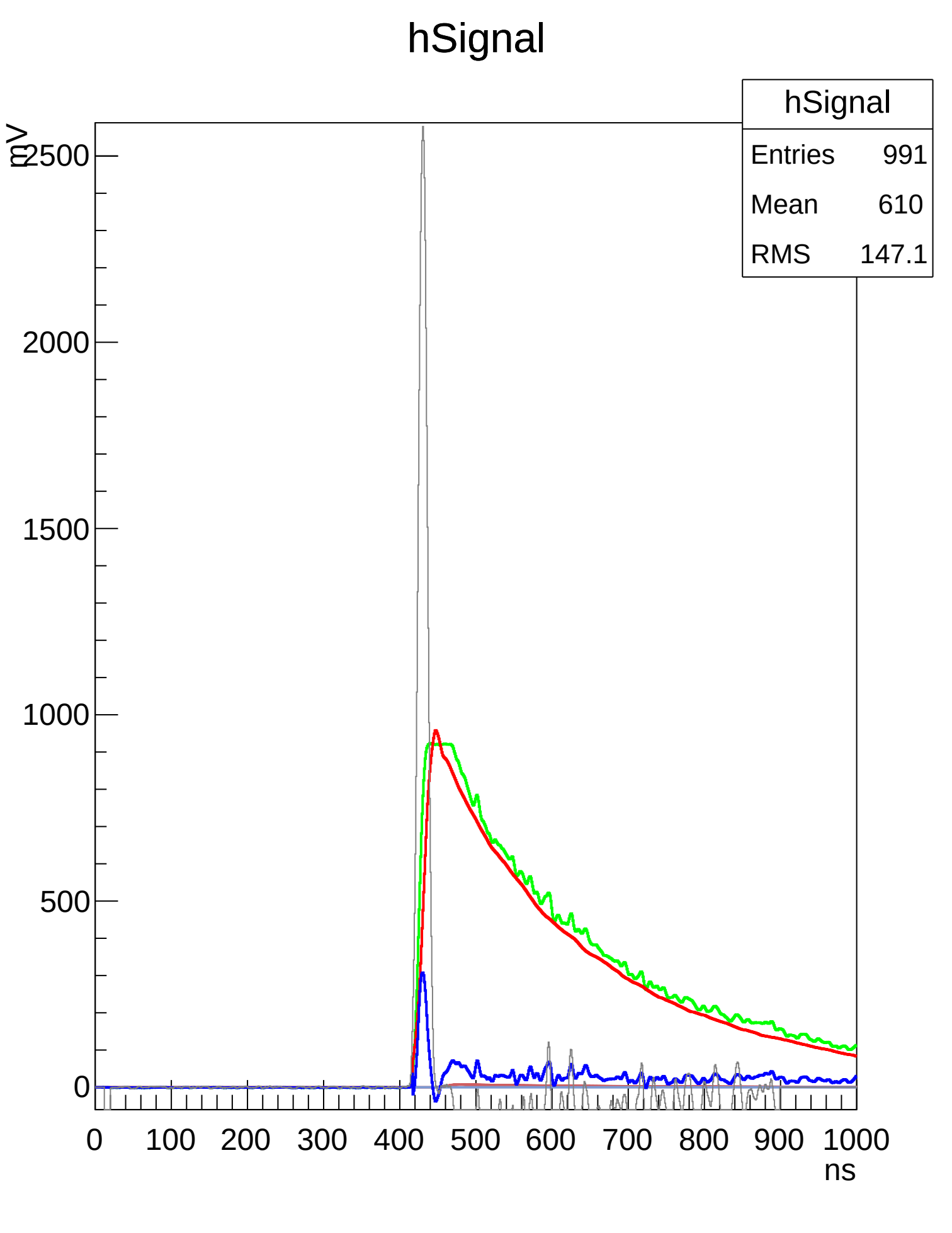

hSignal
hSignal
Entries 991
Mean 595.6
RMS 153.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

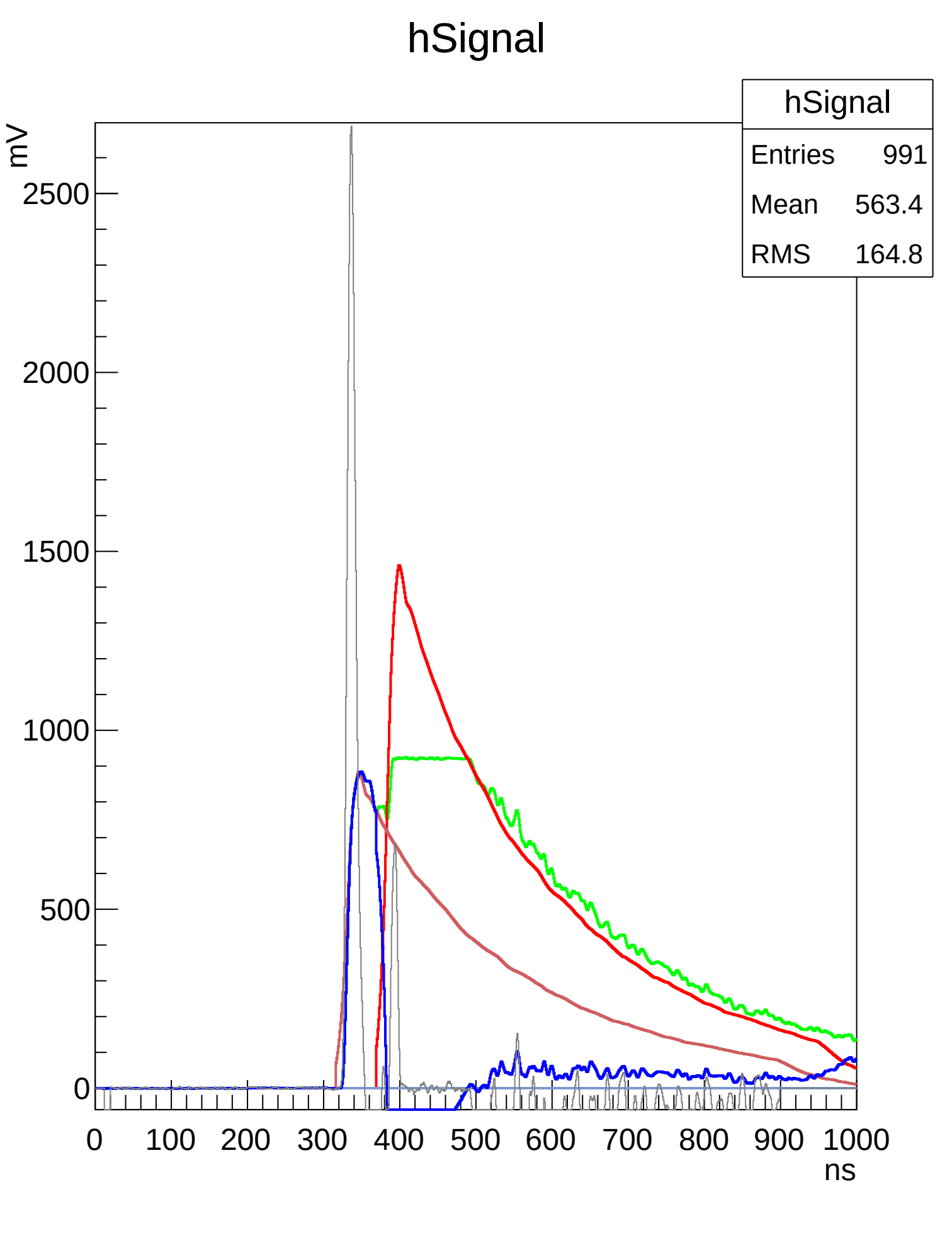

hSignal
hSignal
Entries 991
Mean 574.4
RMS 159.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

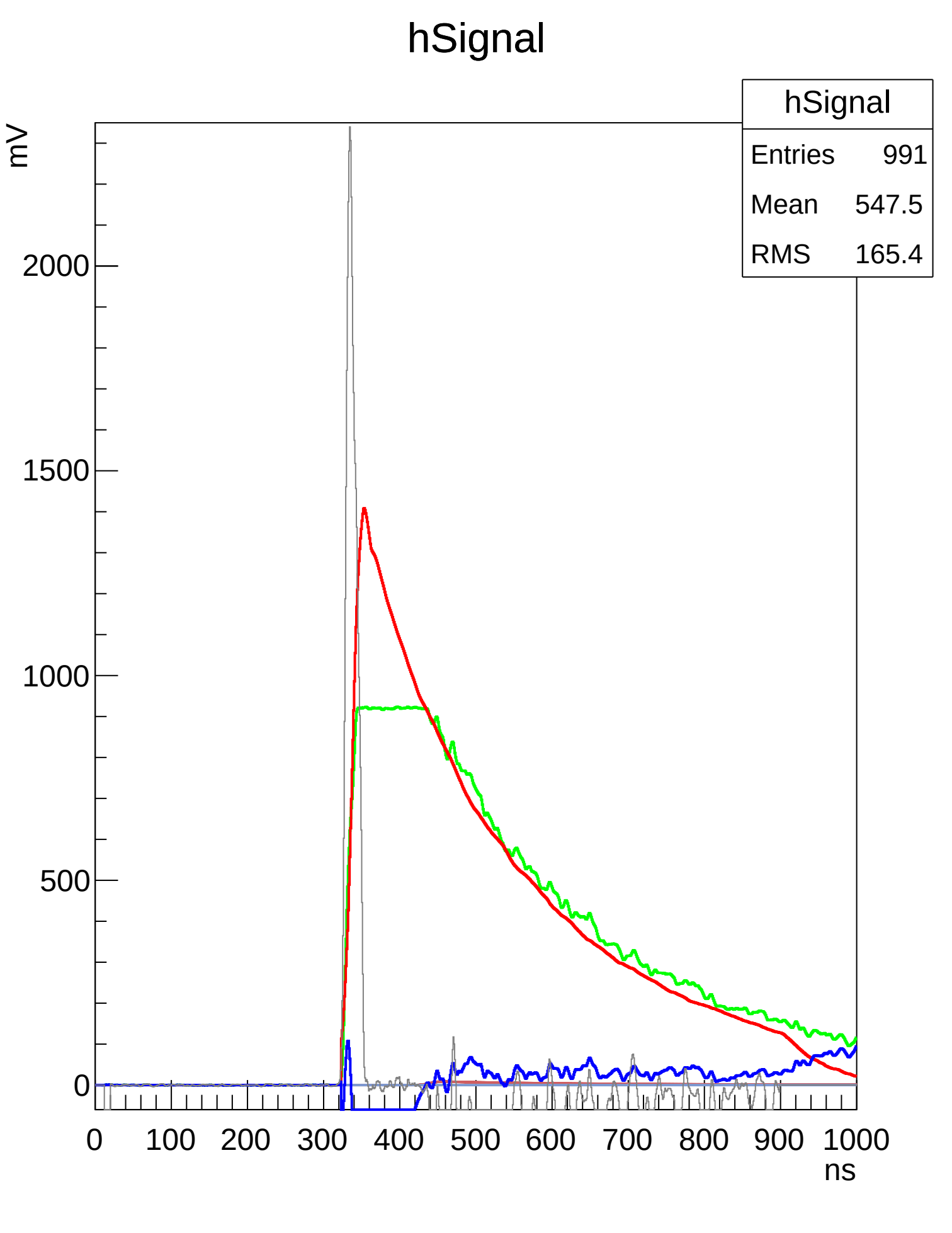

hSignal
hSignal
Entries 991
Mean 567.5
RMS 160.2
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

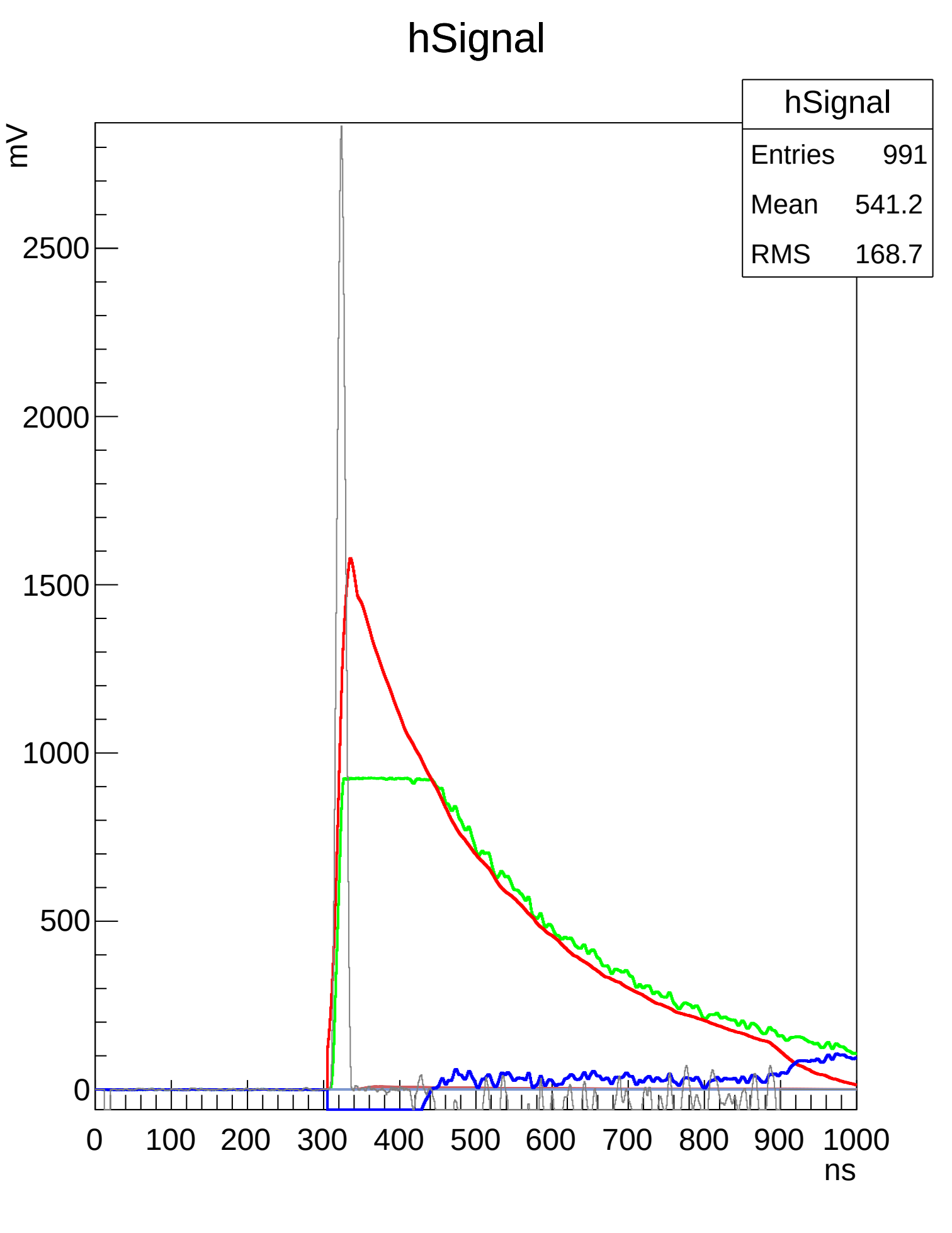

hSignal
hSignal
Entries 991
Mean 504.5
RMS 171.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

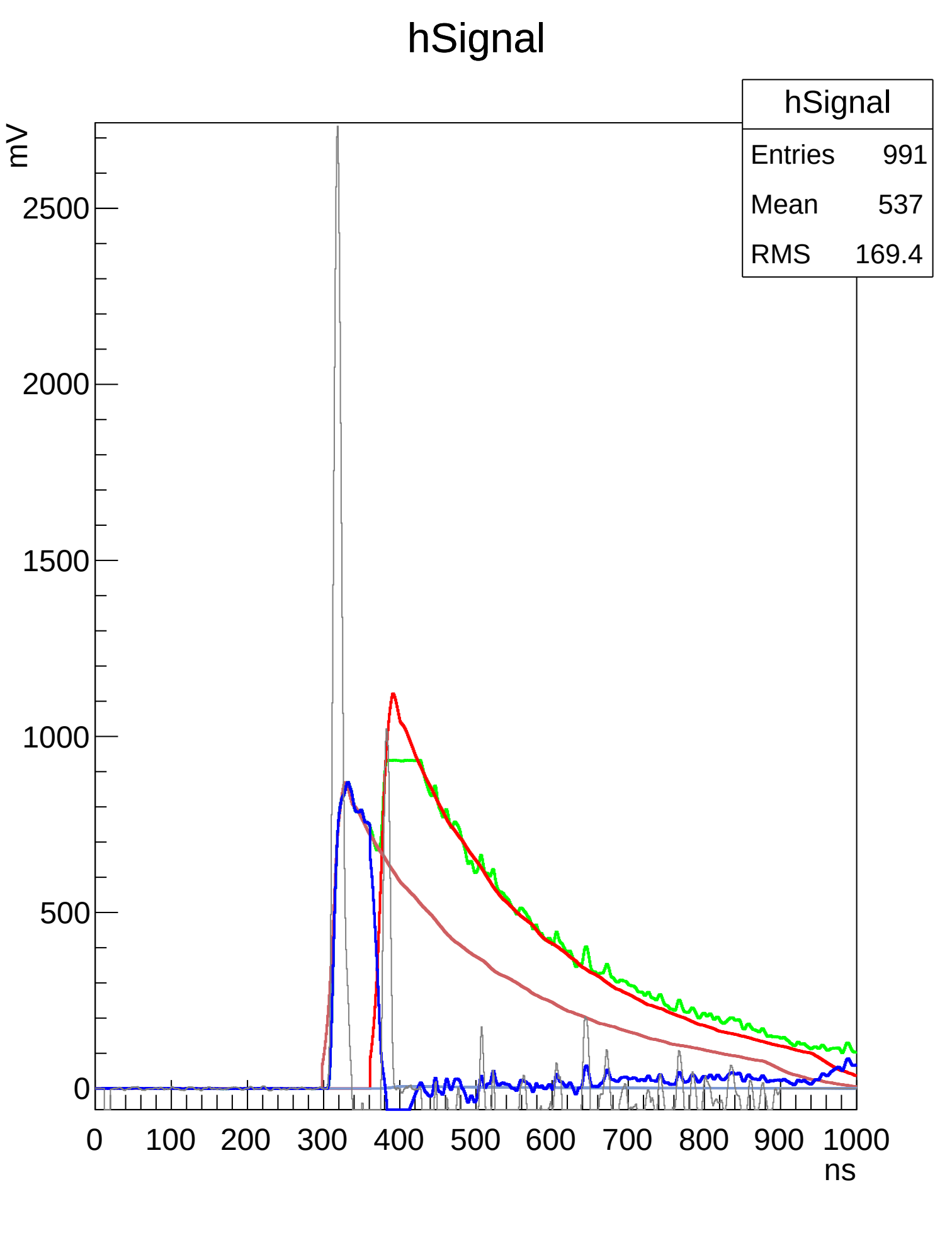

hSignal
hSignal
Entries 991
Mean 590
RMS 158.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

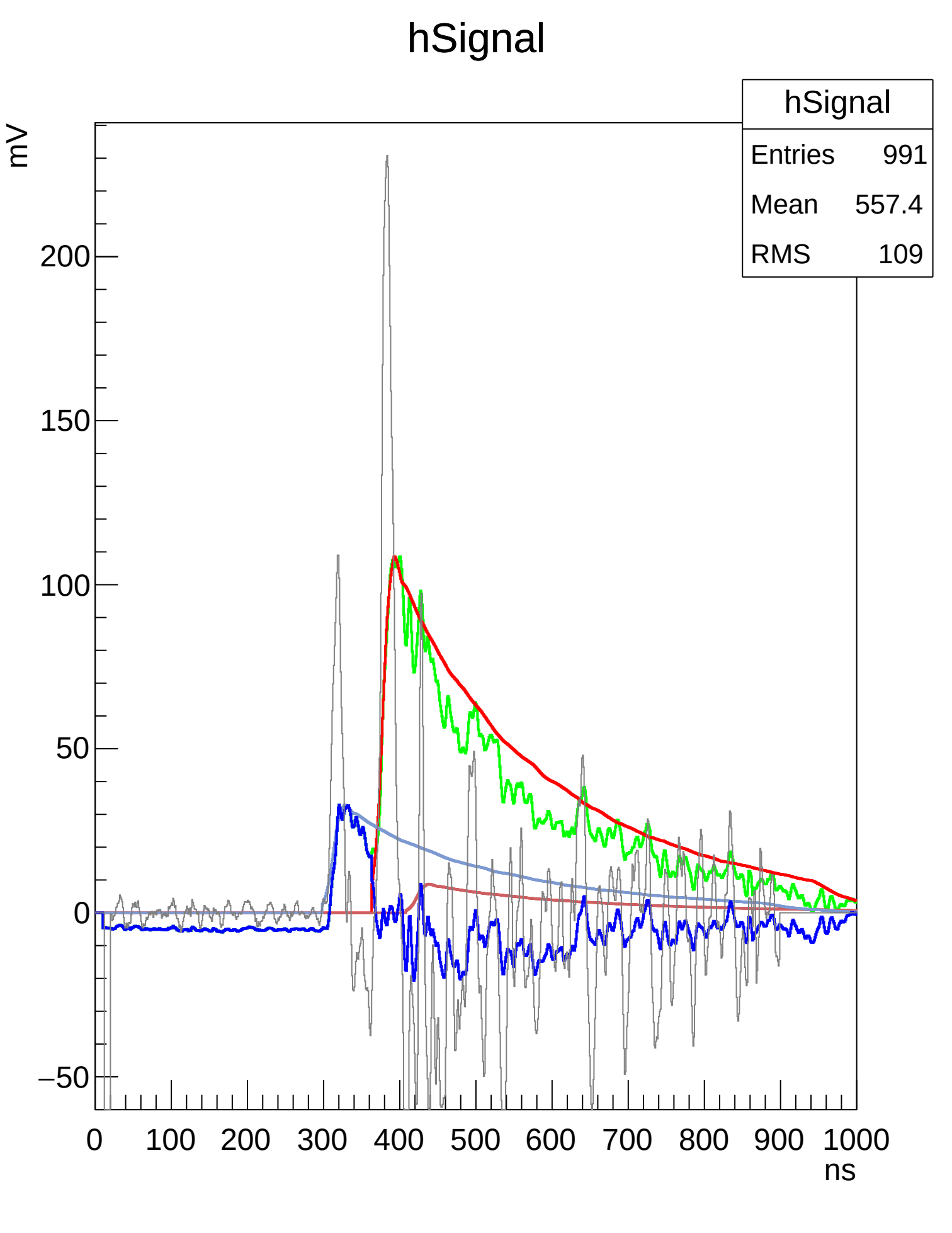

hSignal
hSignal
Entries 991
Mean 610
RMS 147.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

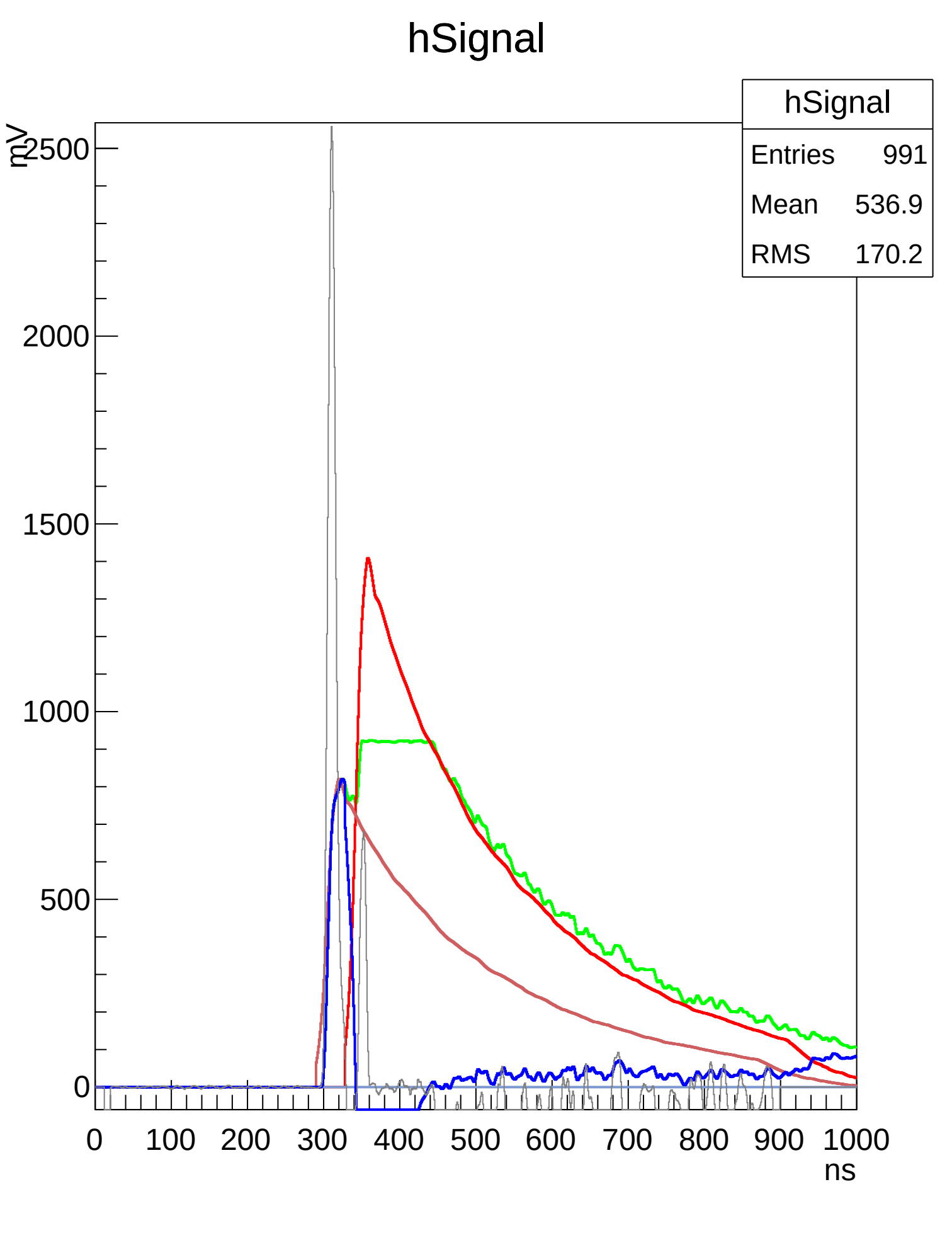

hSignal
hSignal
Entries 991
Mean 563.4
RMS 164.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

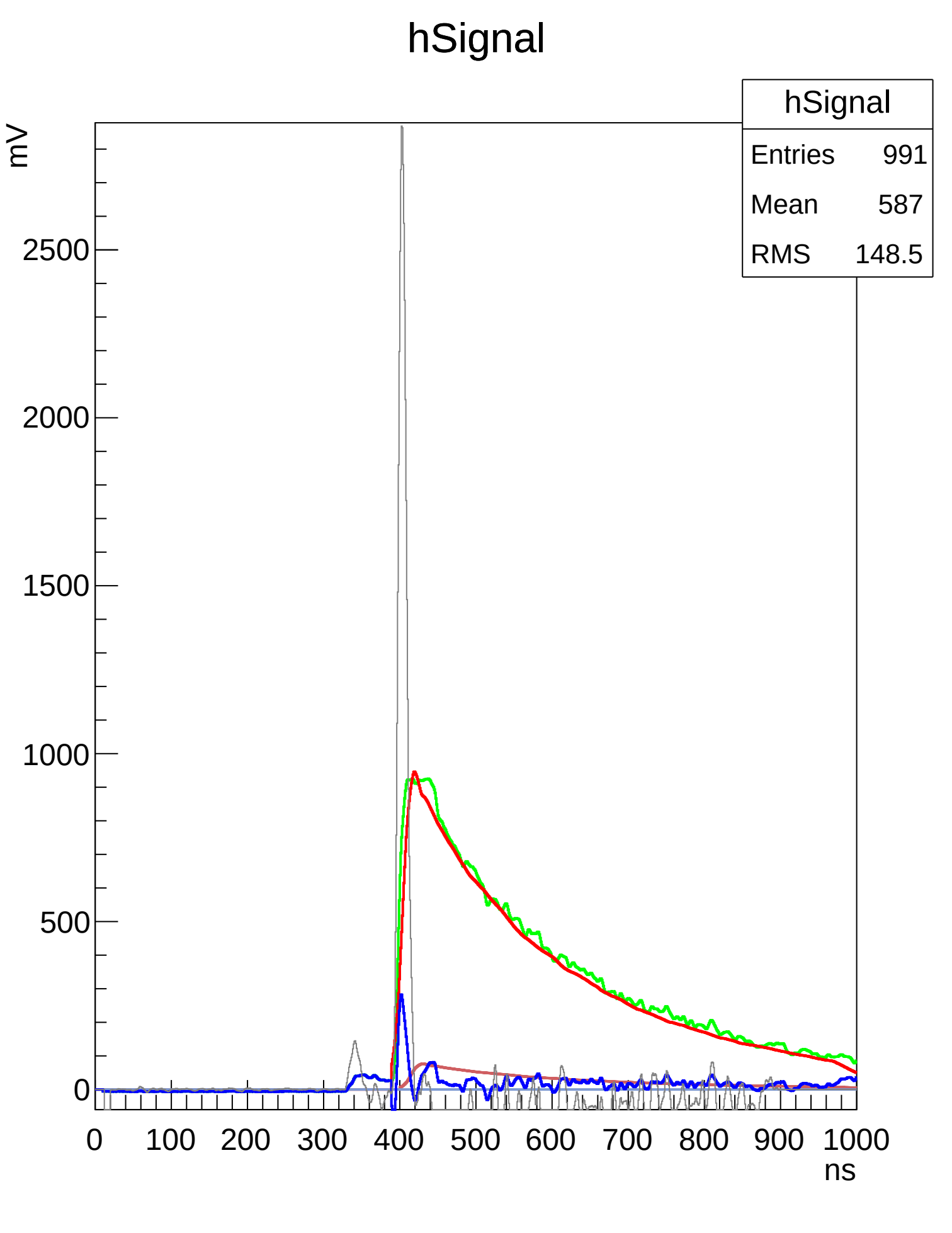

hSignal
hSignal
Entries 991
Mean 547.5
RMS 165.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

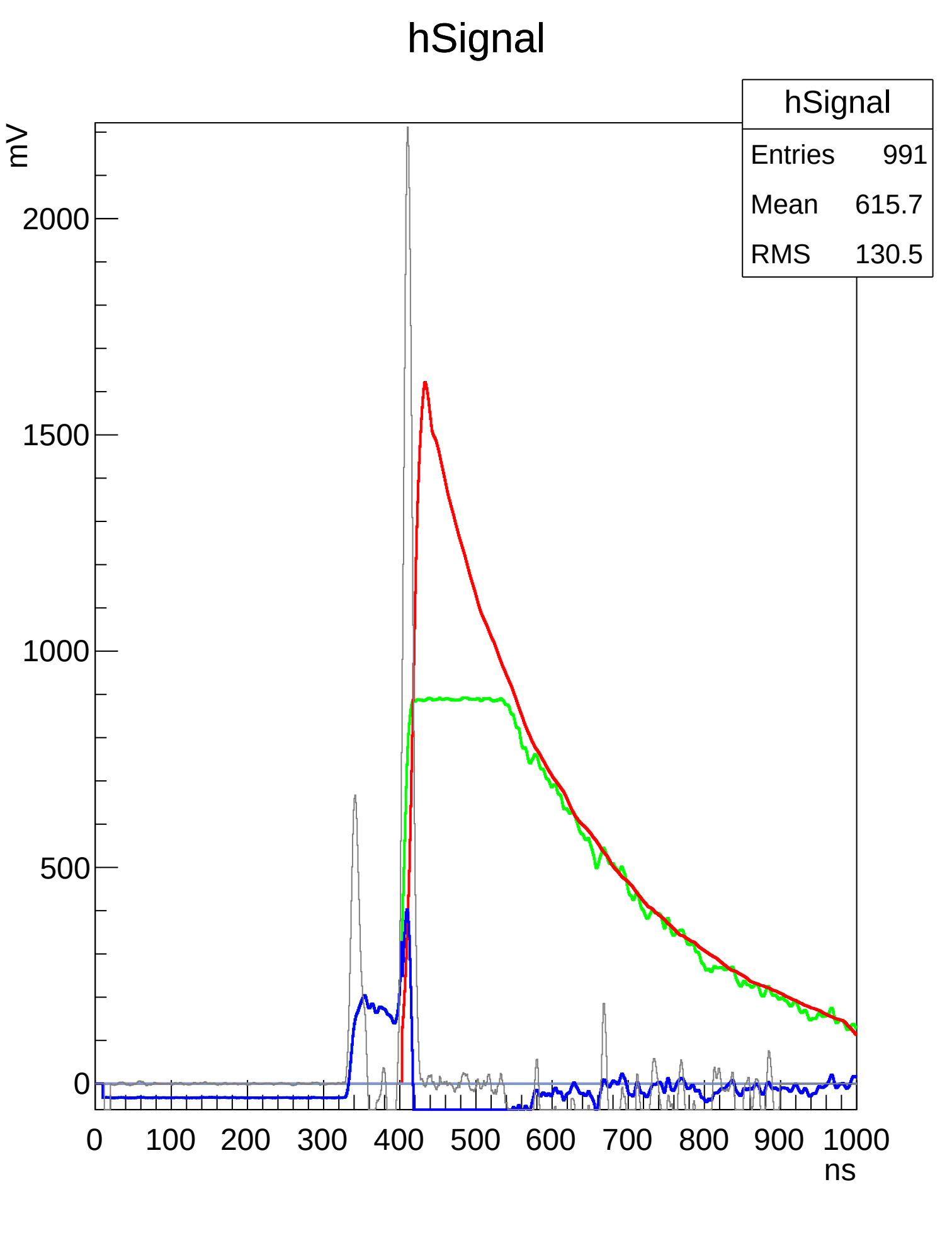

hSignal
hSignal
Entries 991
Mean 541.2
RMS 168.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

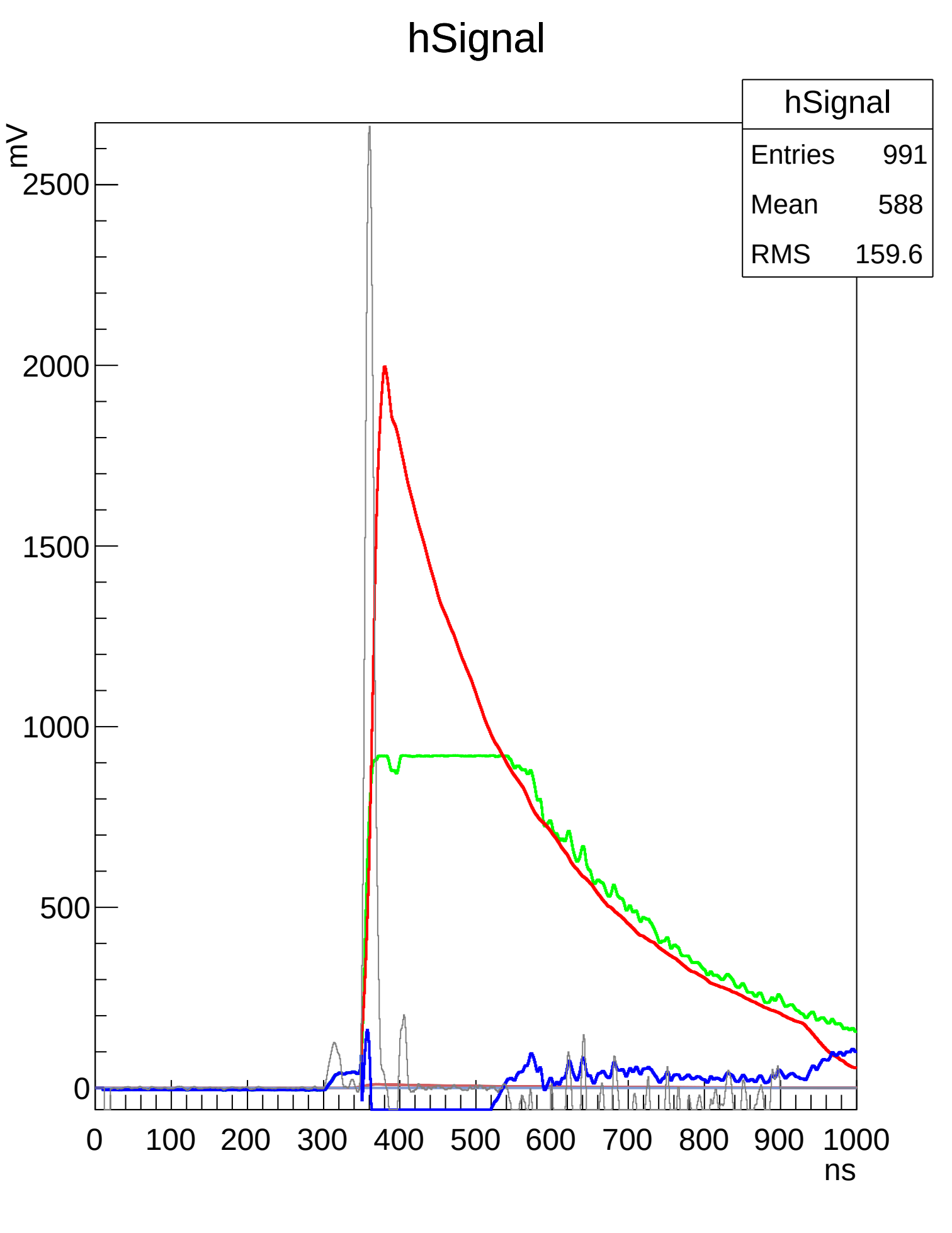

hSignal
hSignal
Entries 991
Mean 537
RMS 169.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

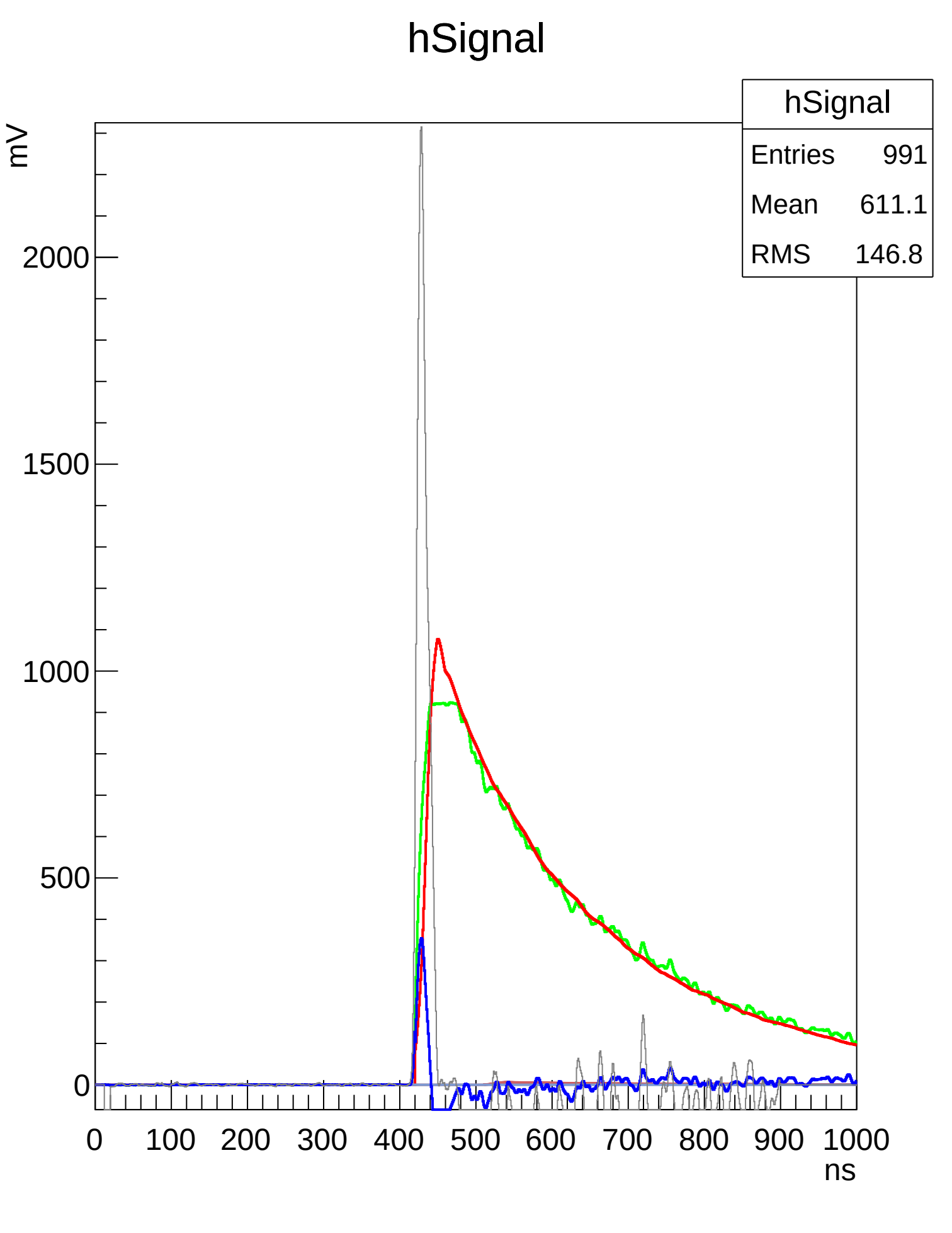

hSignal
hSignal
Entries 991
Mean 557.4
RMS 109
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

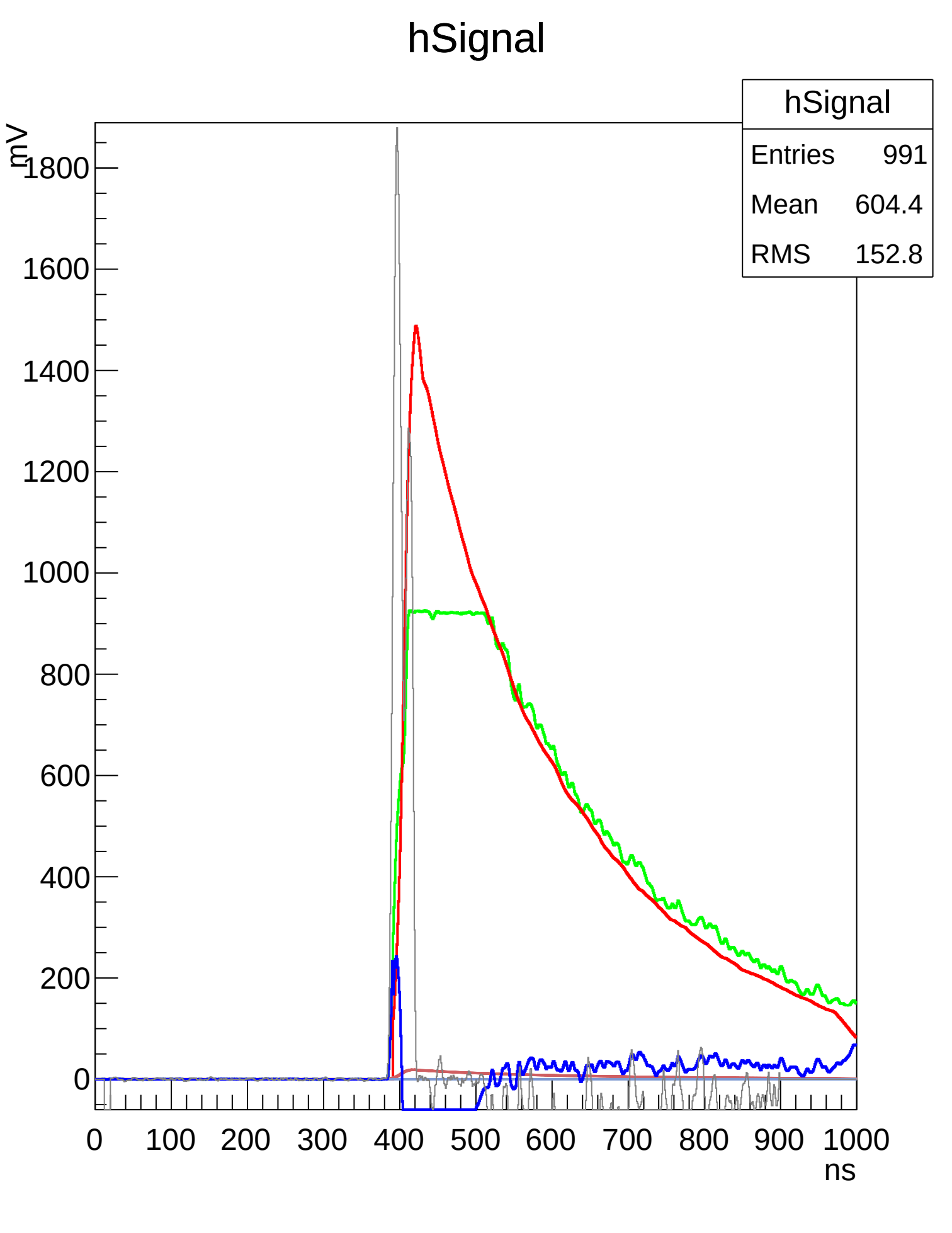

hSignal
hSignal
Entries 991
Mean 536.9
RMS 170.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

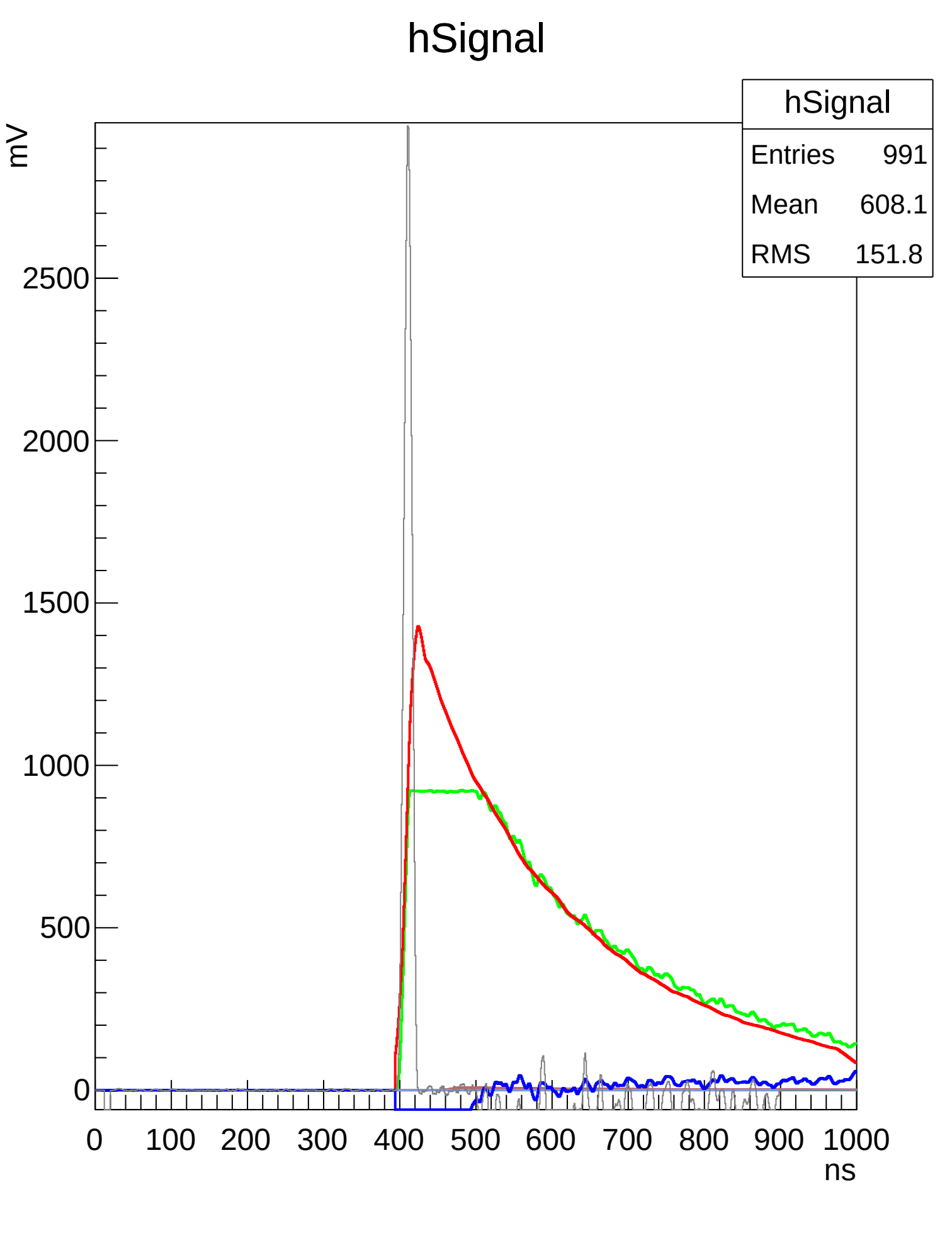

hSignal
hSignal
Entries 991
Mean 587
RMS 148.5
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

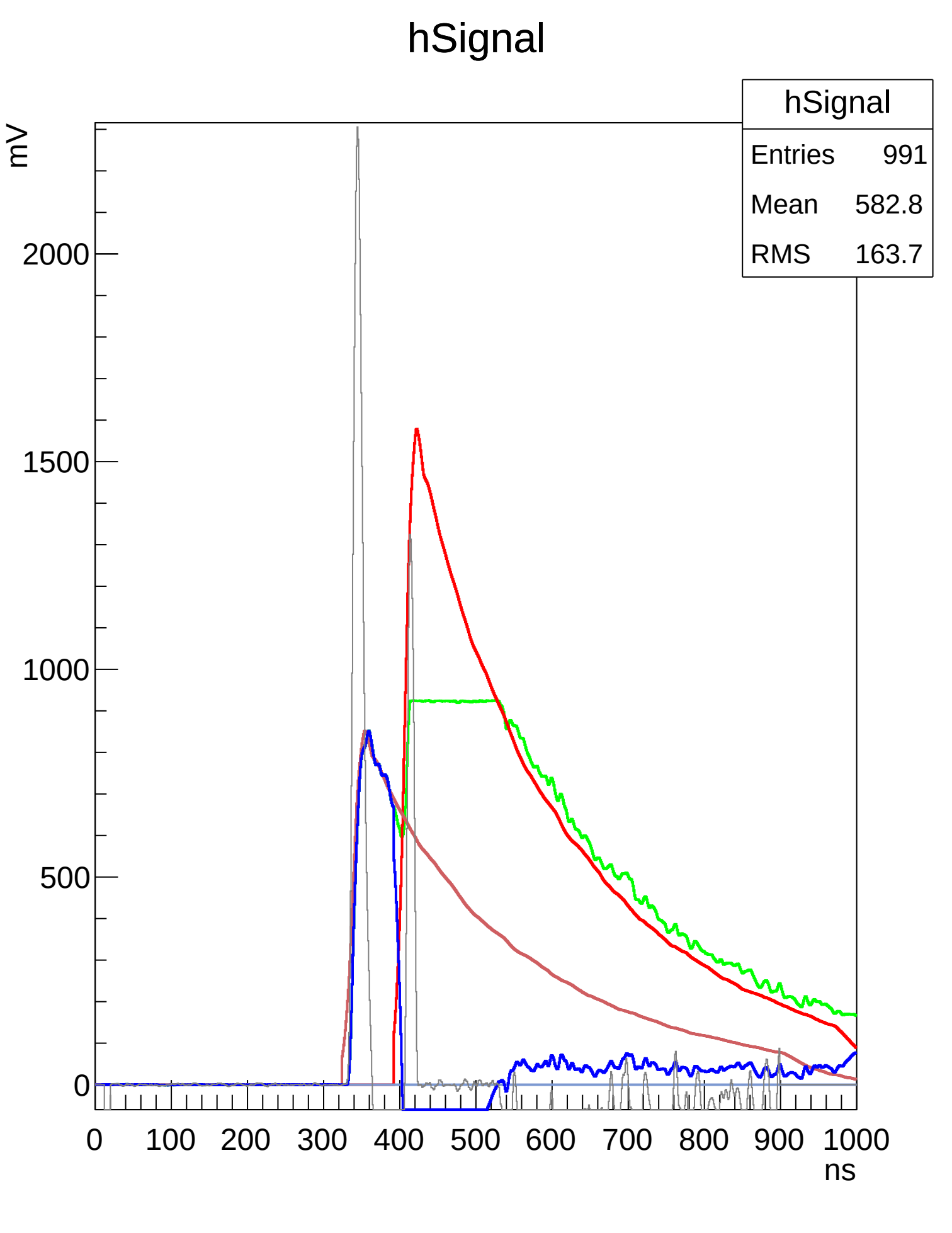

hSignal
hSignal
Entries 991
Mean 615.7
RMS 130.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

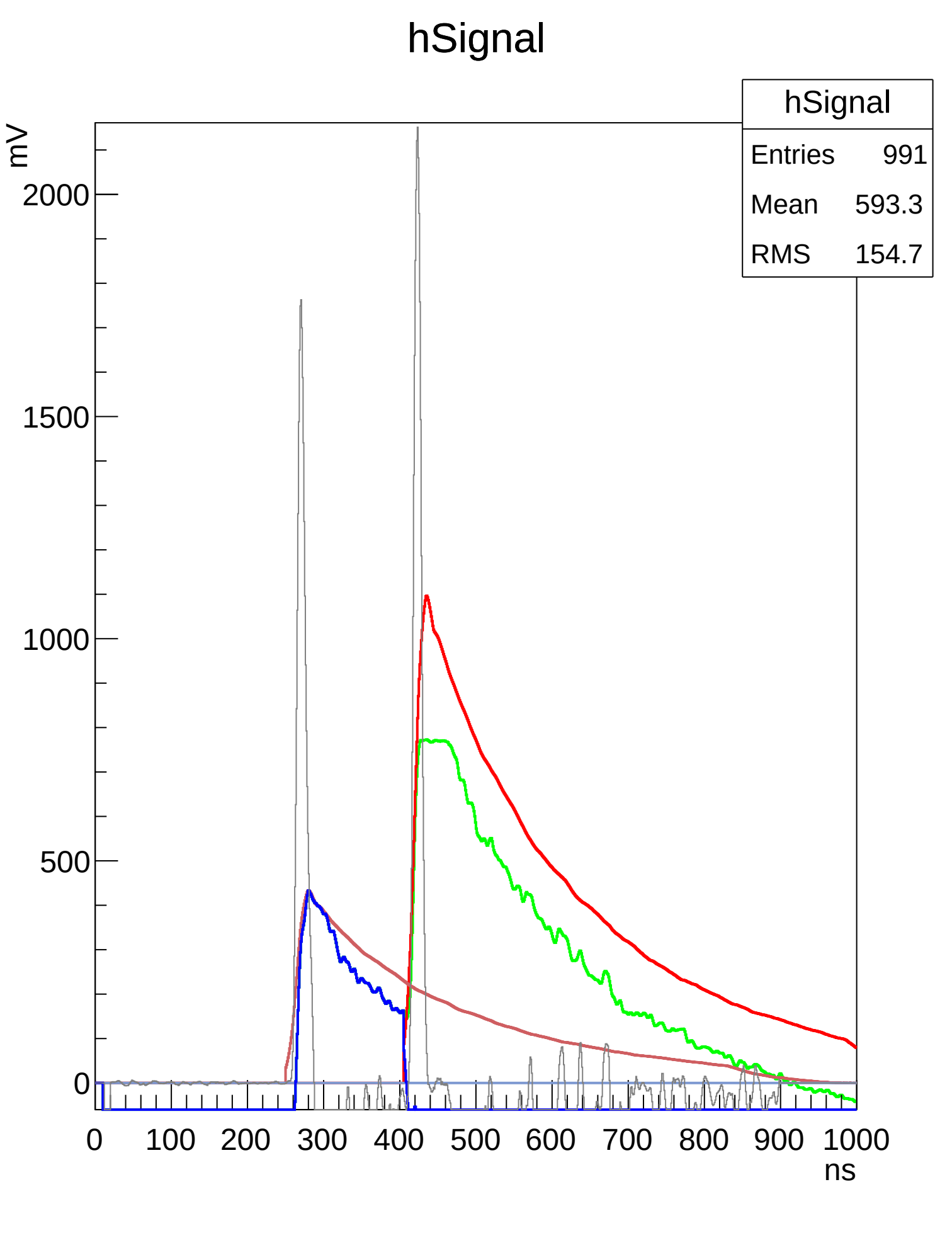

hSignal
hSignal
Entries 991
Mean 588
RMS 159.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

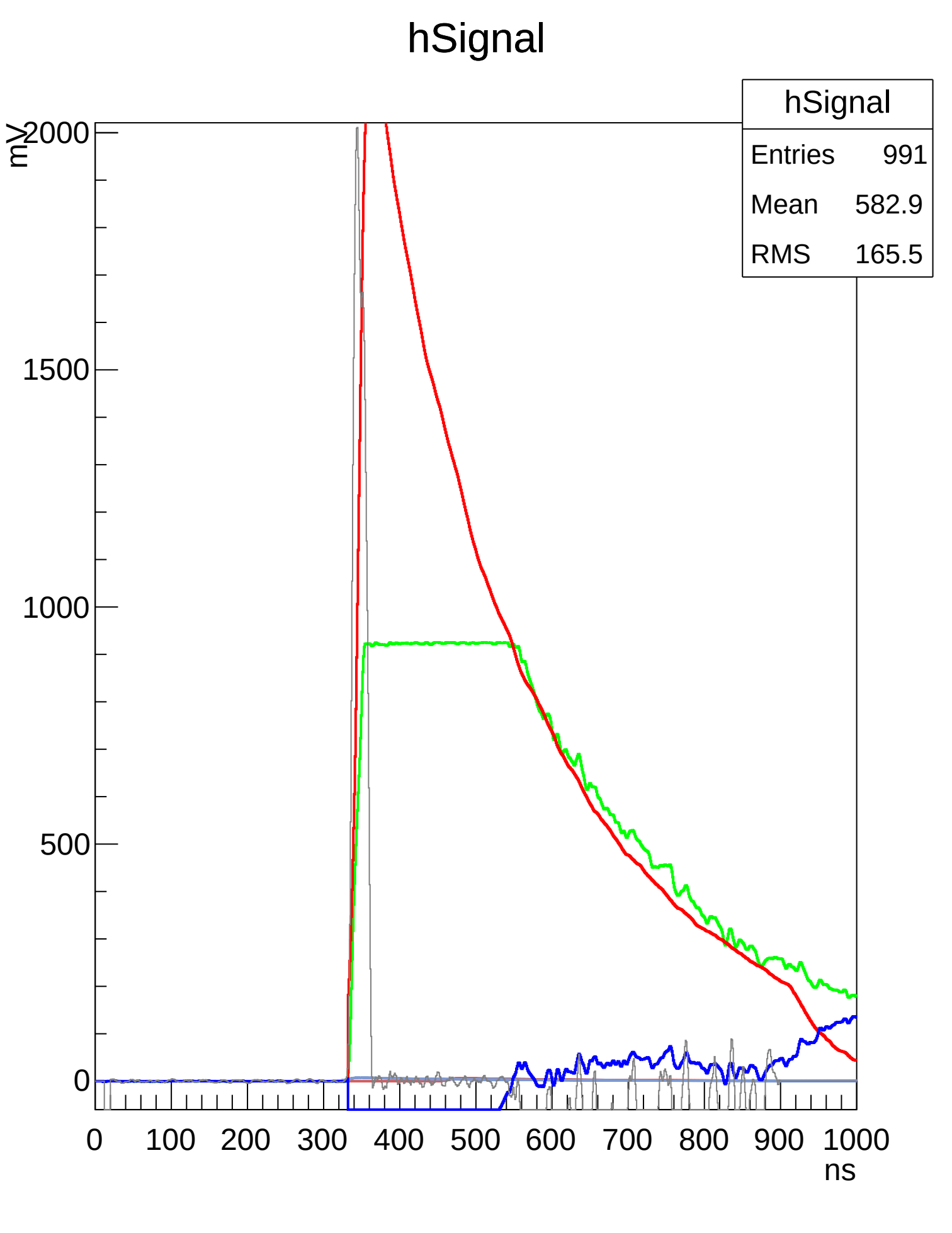

hSignal
hSignal
Entries 991
Mean 611.1
RMS 146.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

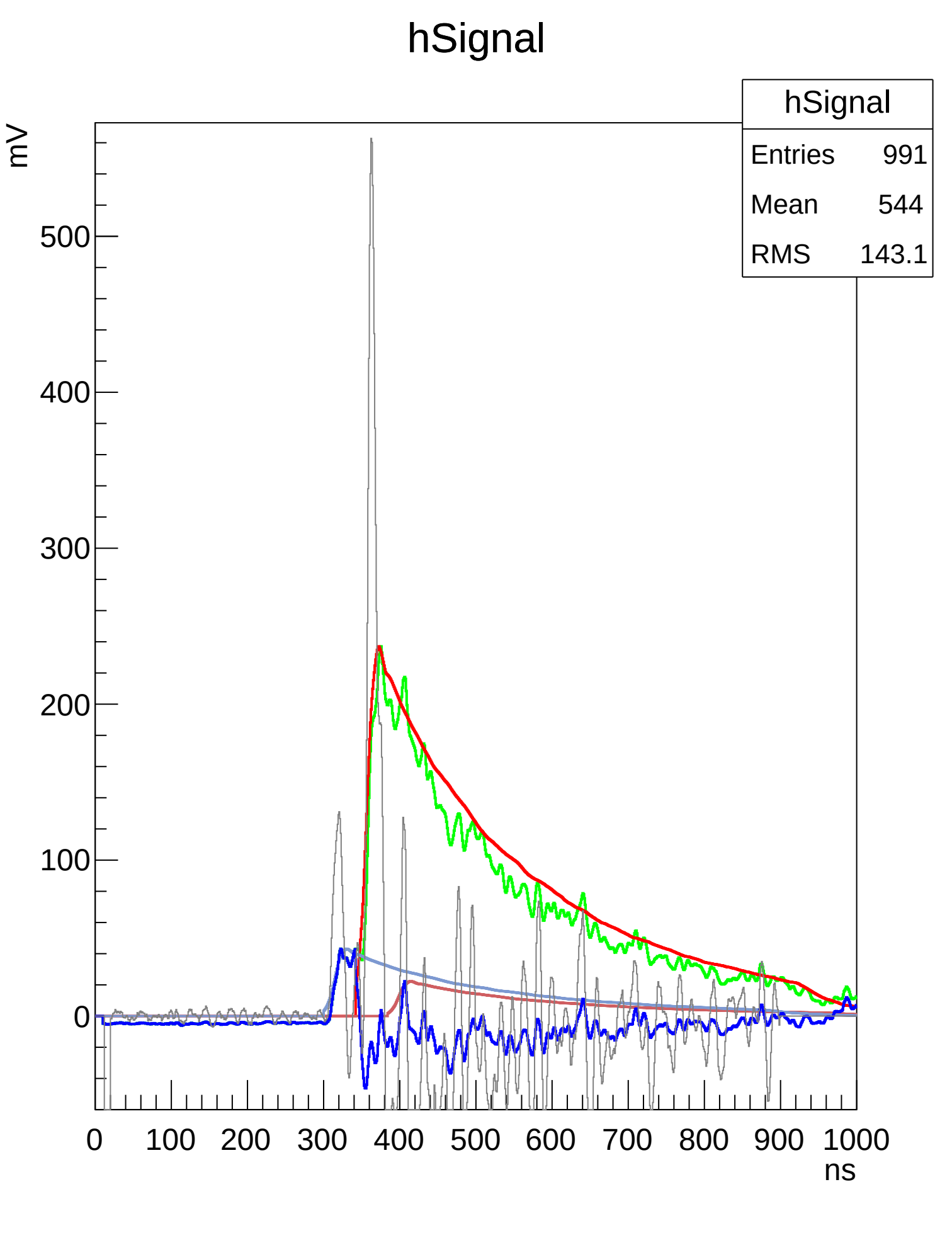

hSignal
hSignal
Entries 991
Mean 604.4
RMS 152.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

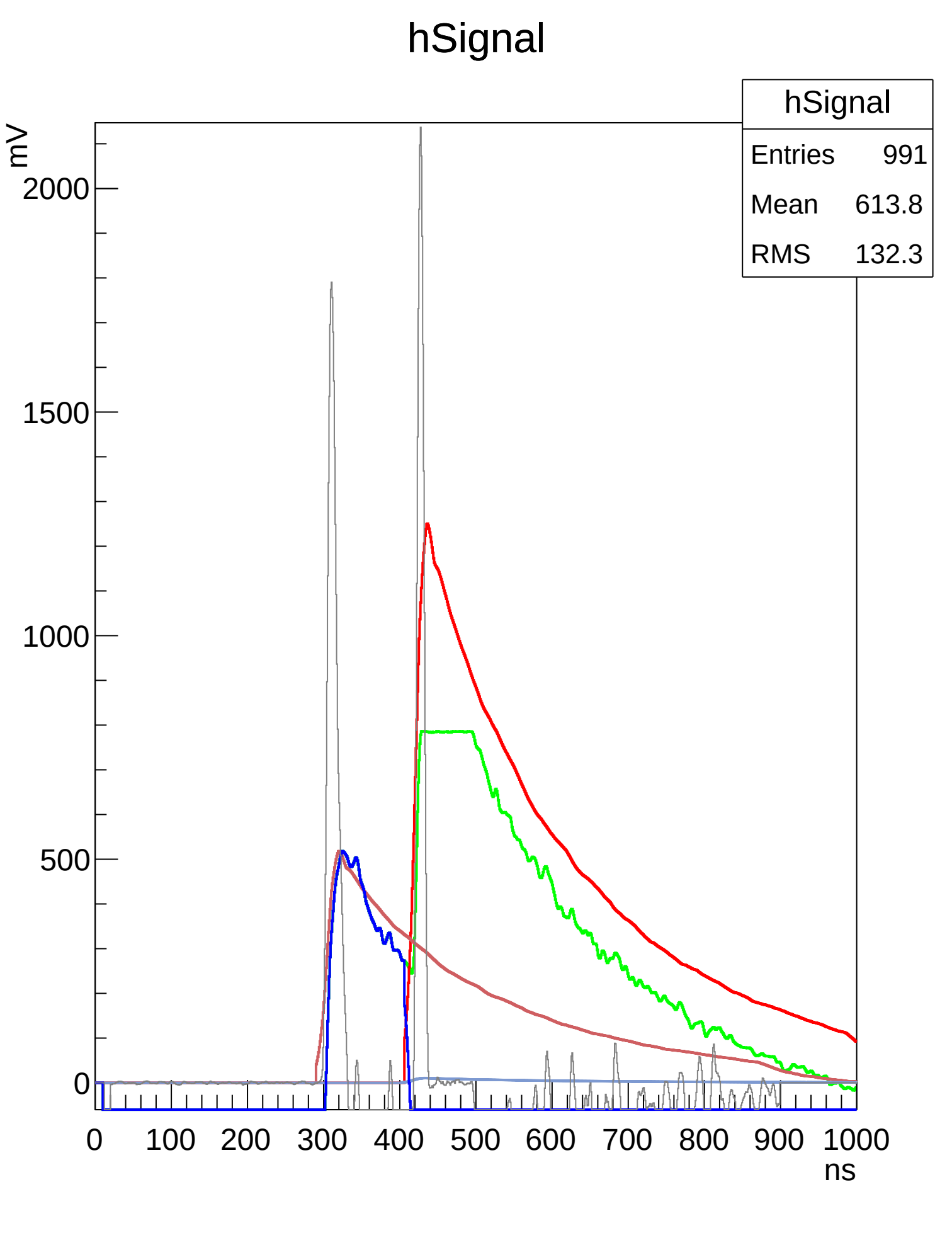

hSignal
hSignal
Entries 991
Mean 608.1
RMS 151.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

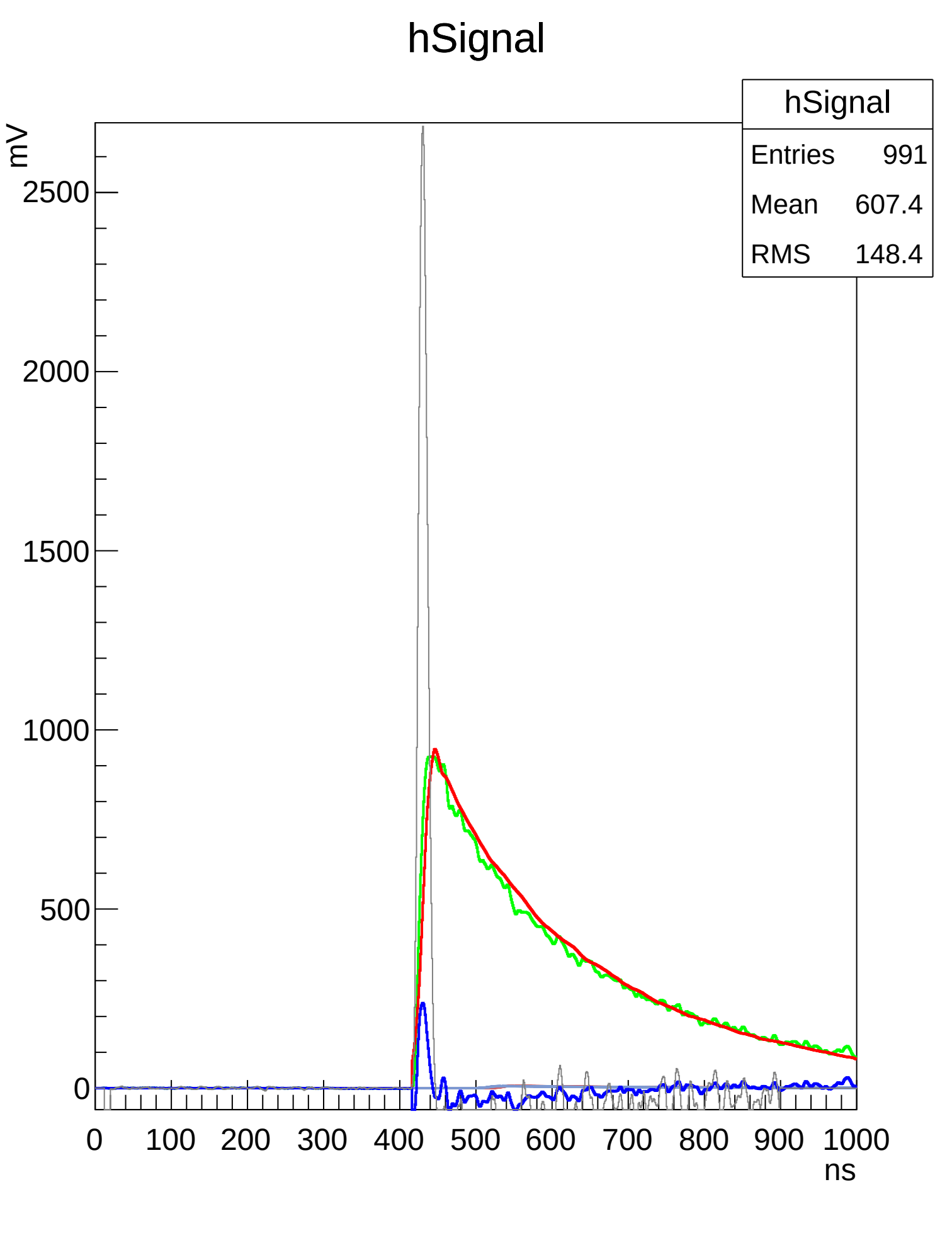

hSignal
hSignal
Entries 991
Mean 582.8
RMS 163.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

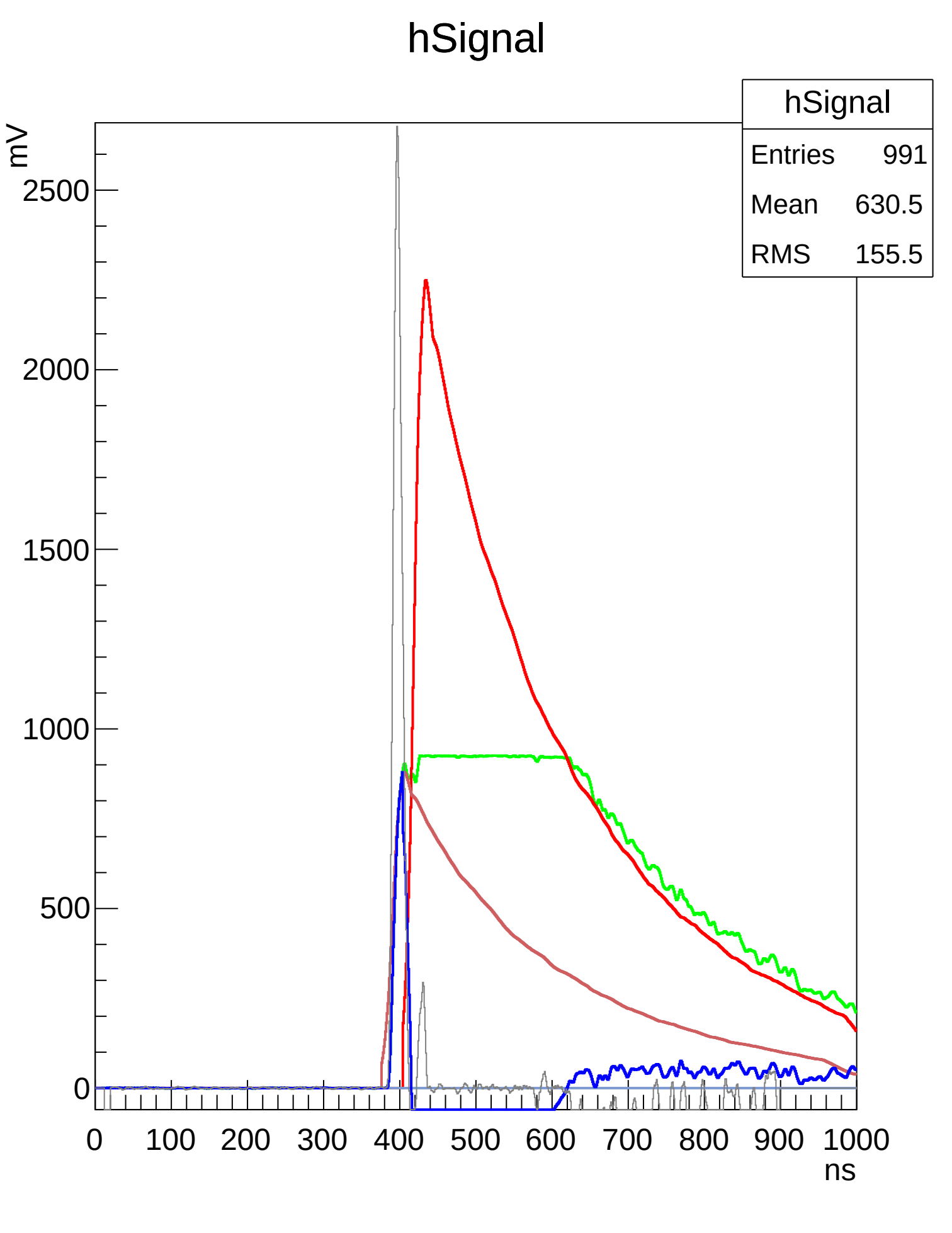

hSignal
hSignal
Entries 991
Mean 593.3
RMS 154.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

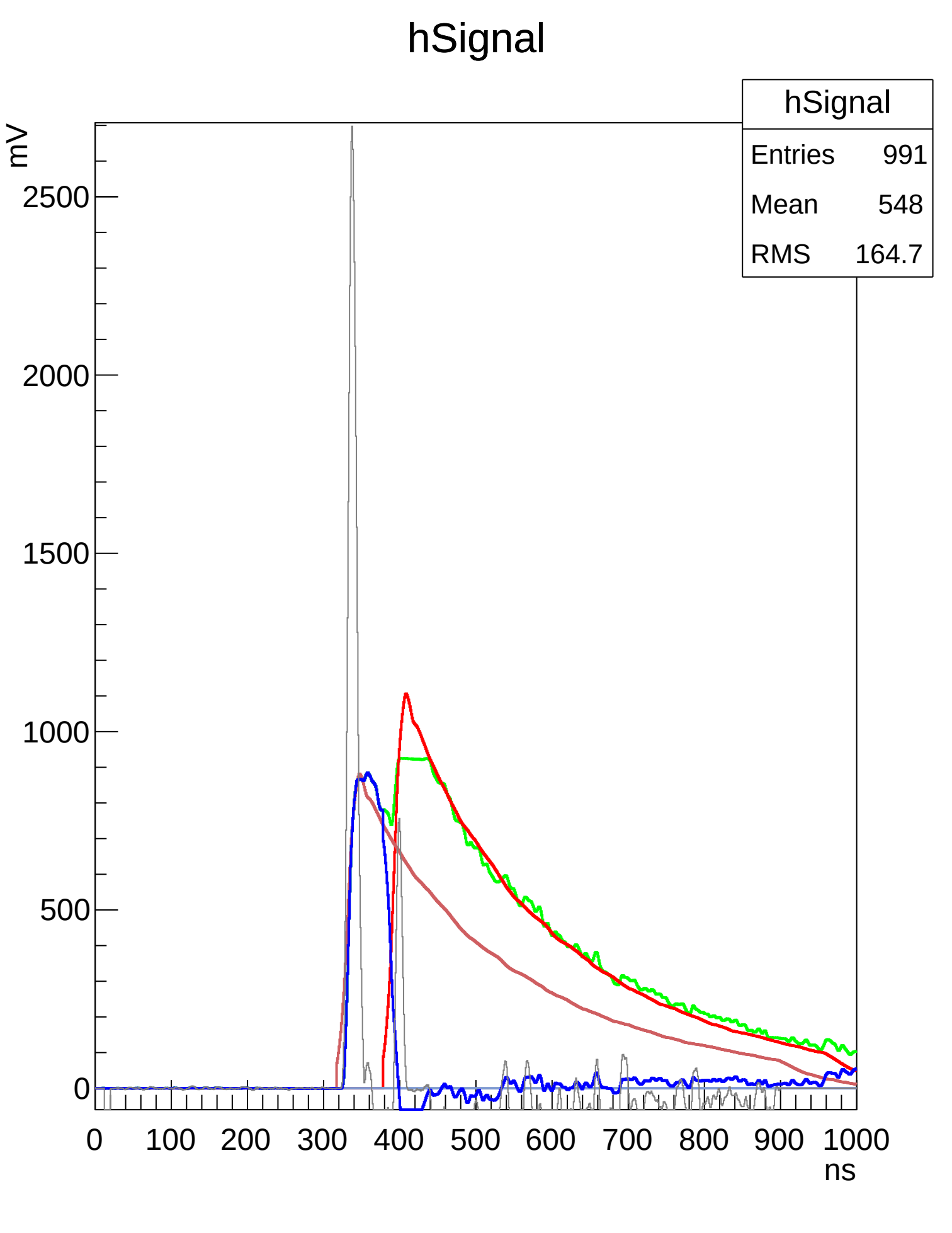

hSignal
hSignal
Entries 991
Mean 582.9
RMS 165.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

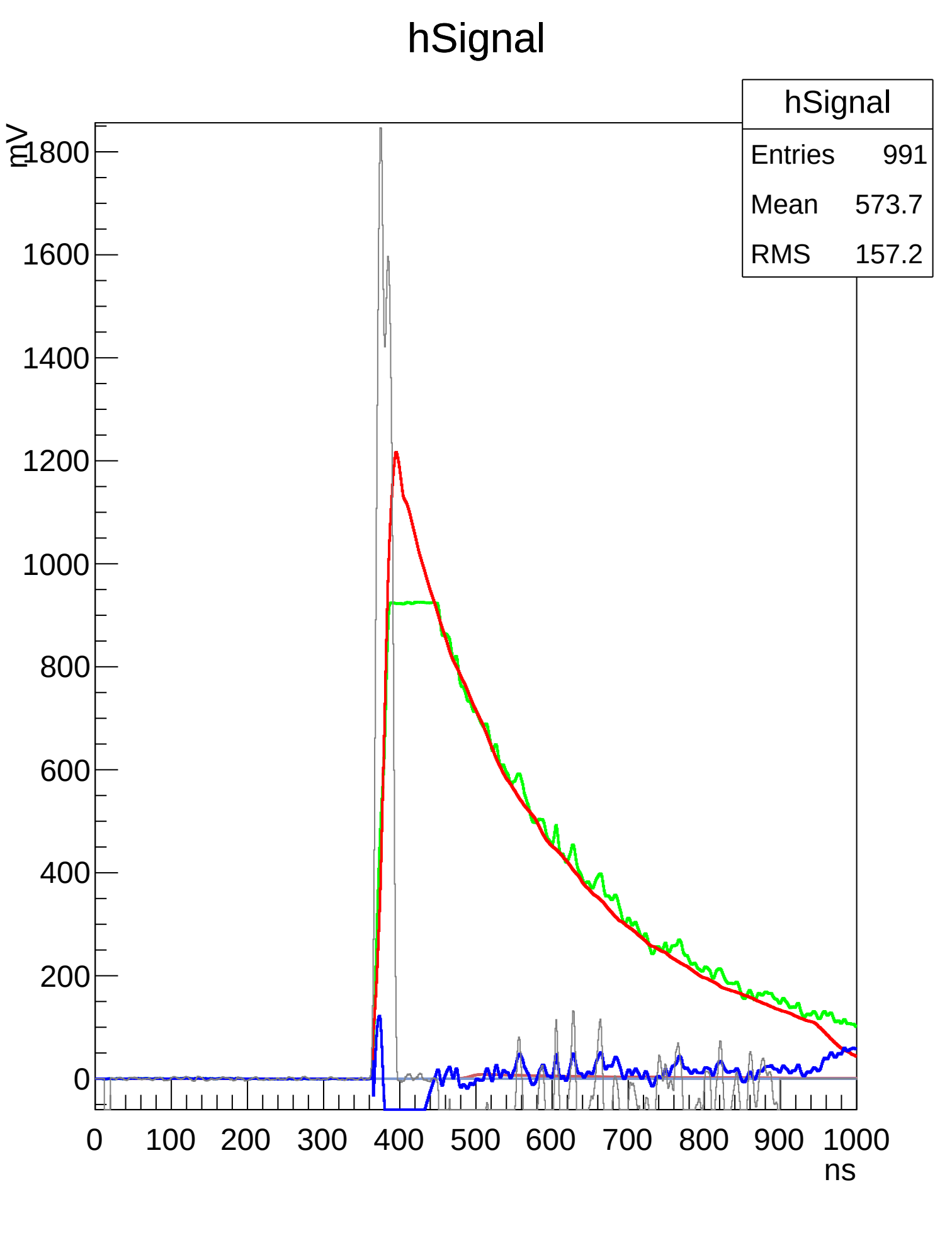

hSignal
hSignal
Entries 991
Mean 544
RMS 143.1
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

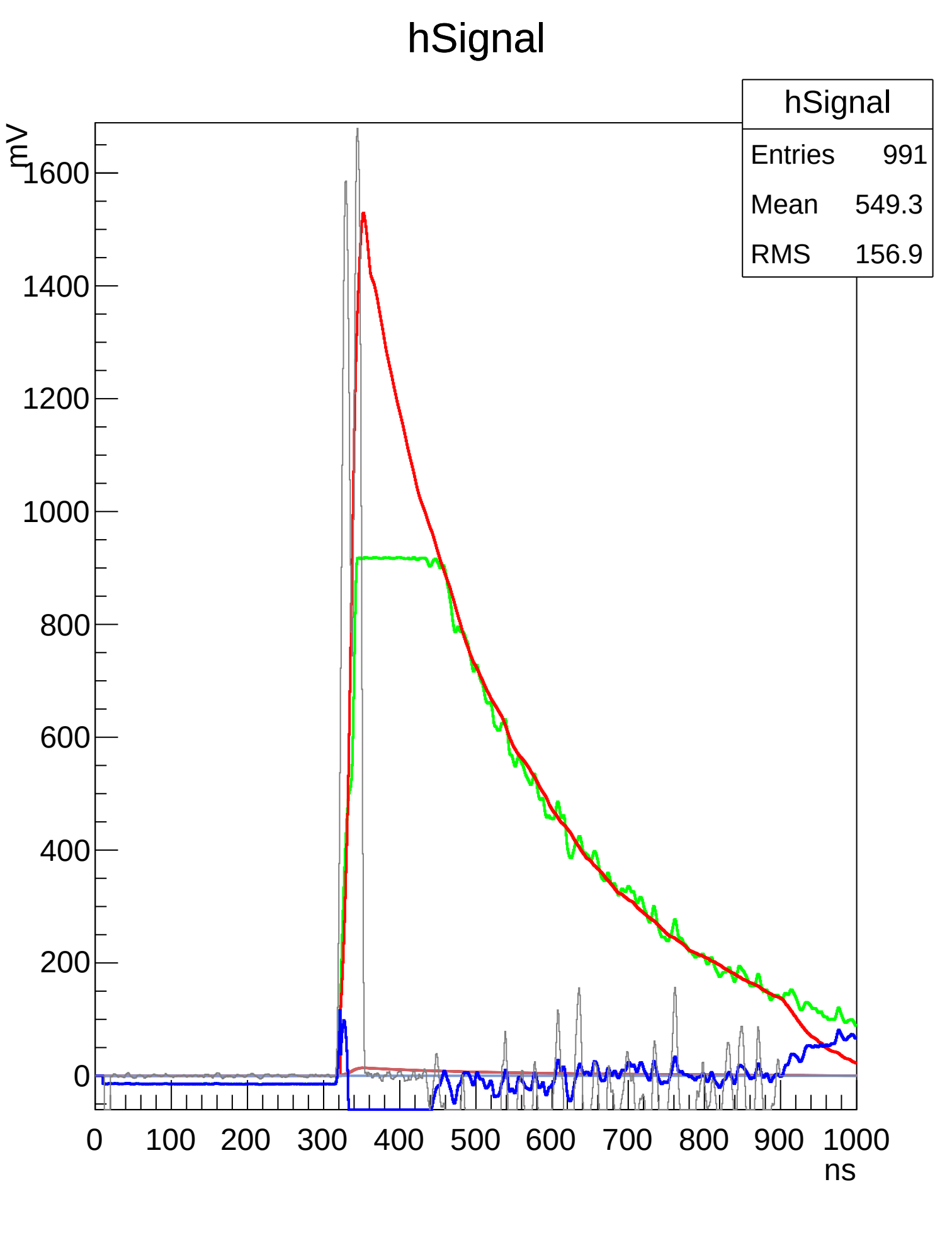

hSignal
hSignal
Entries 991
Mean 613.8
RMS 132.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

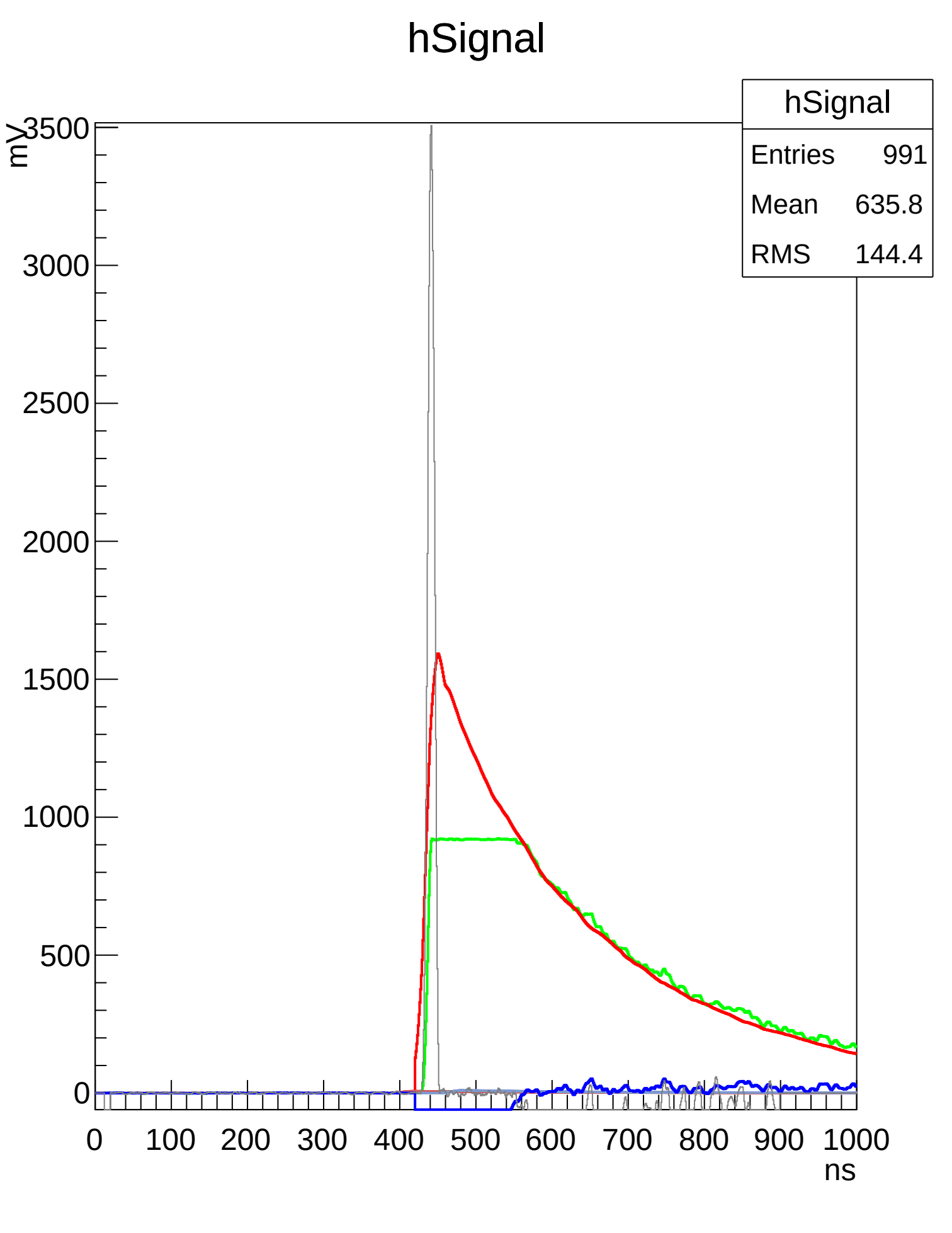

hSignal
hSignal
Entries 991
Mean 607.4
RMS 148.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

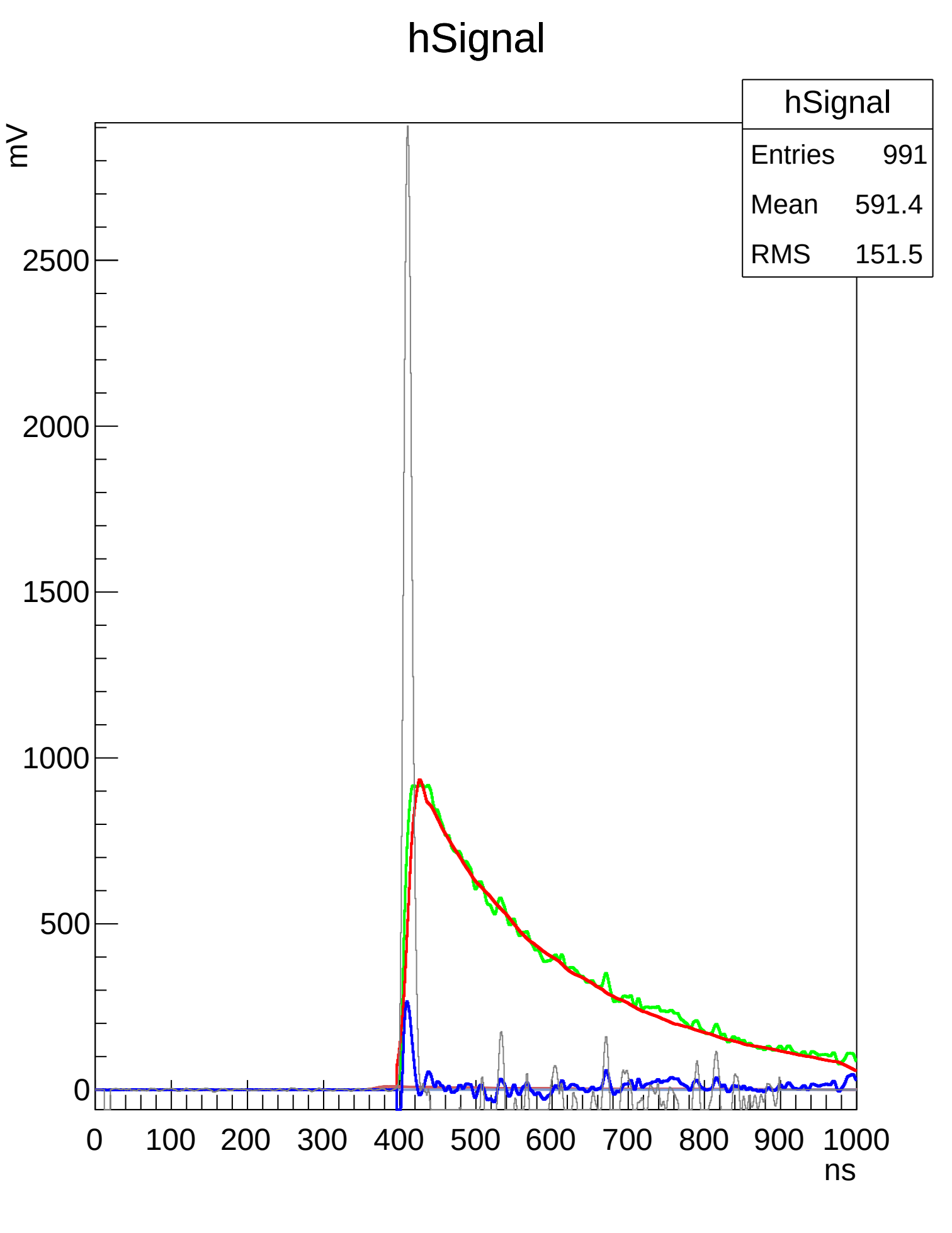

hSignal
hSignal
Entries 991
Mean 630.5
RMS 155.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

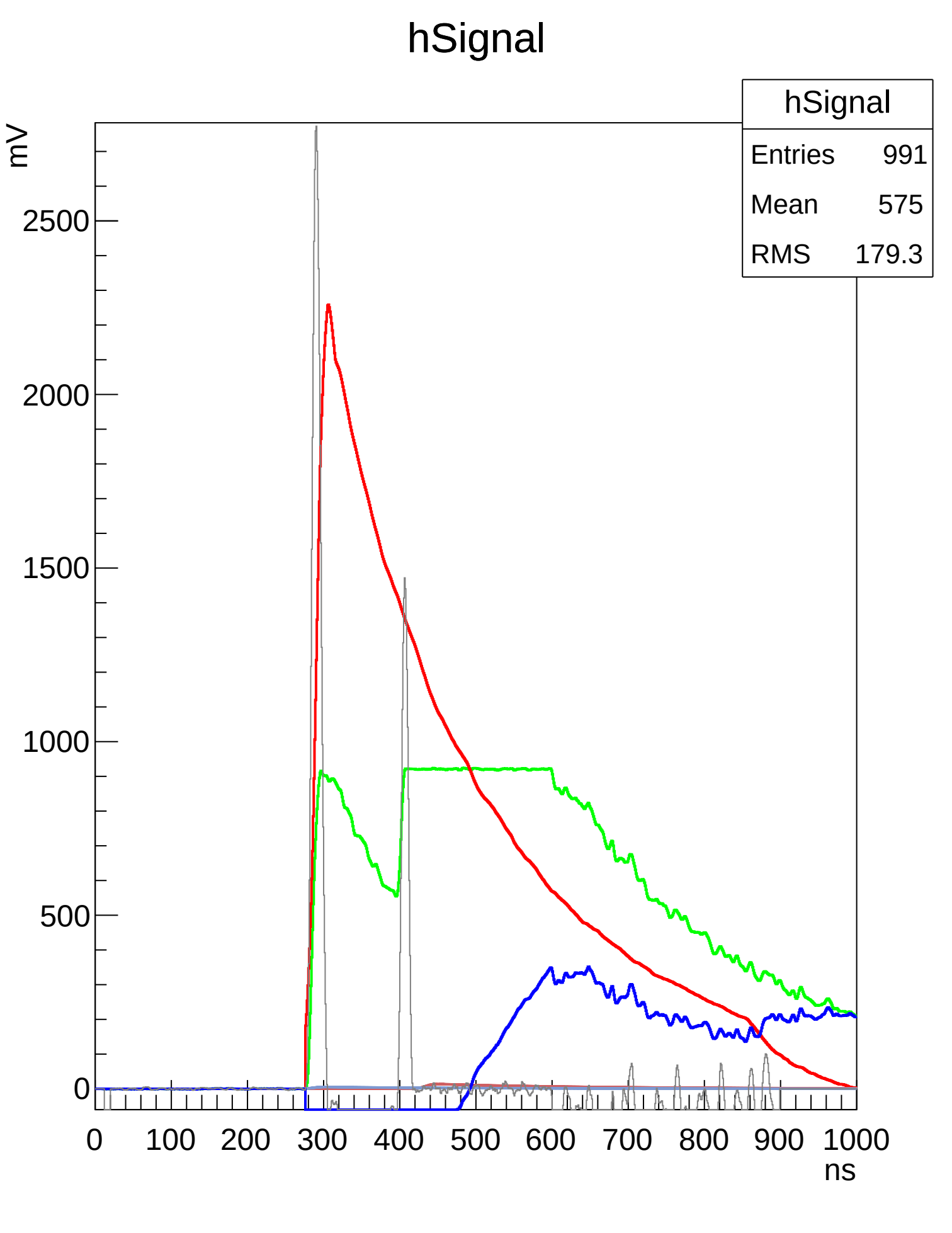

hSignal
hSignal
Entries 991
Mean 548
RMS 164.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

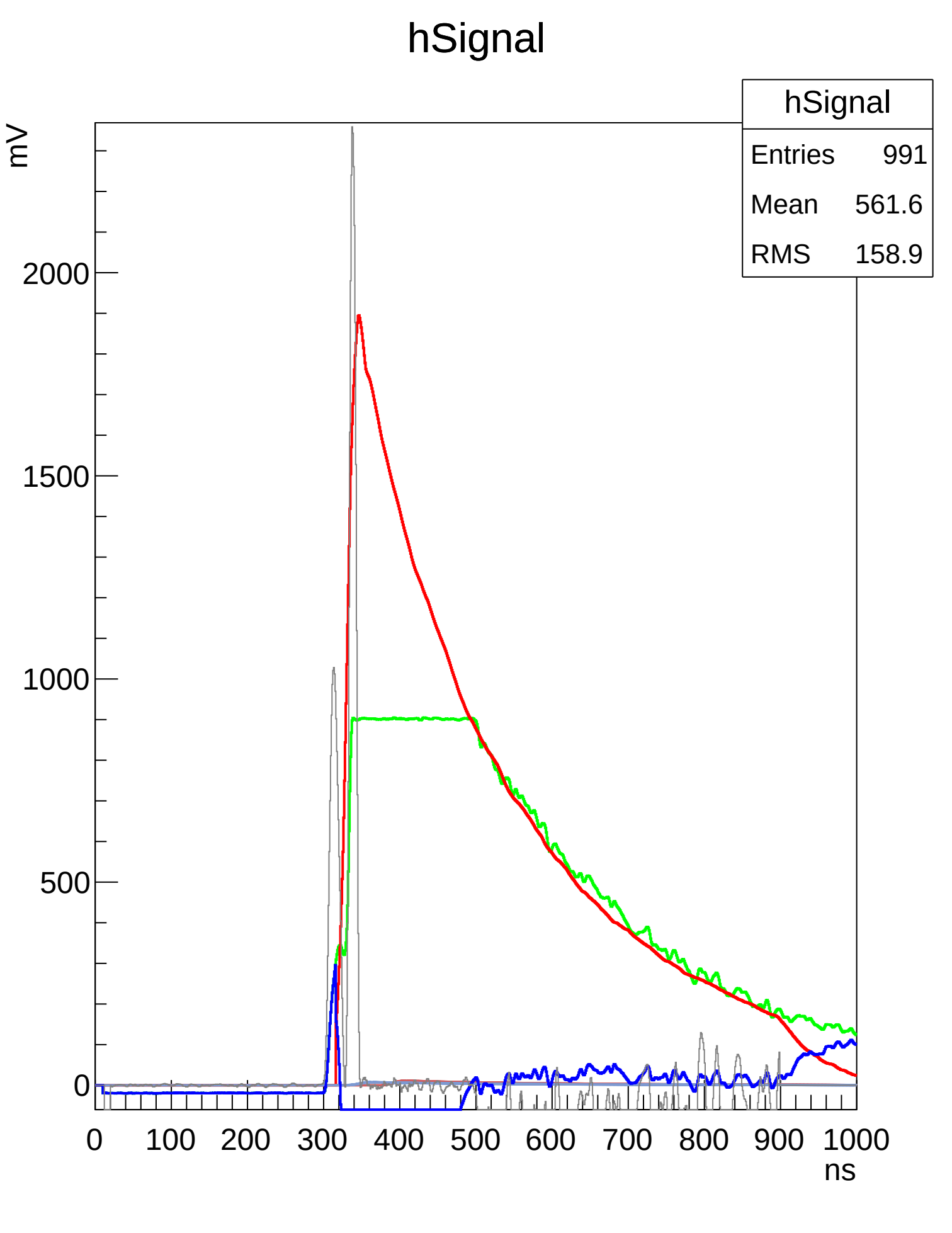

hSignal
hSignal
Entries 991
Mean 573.7
RMS 157.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

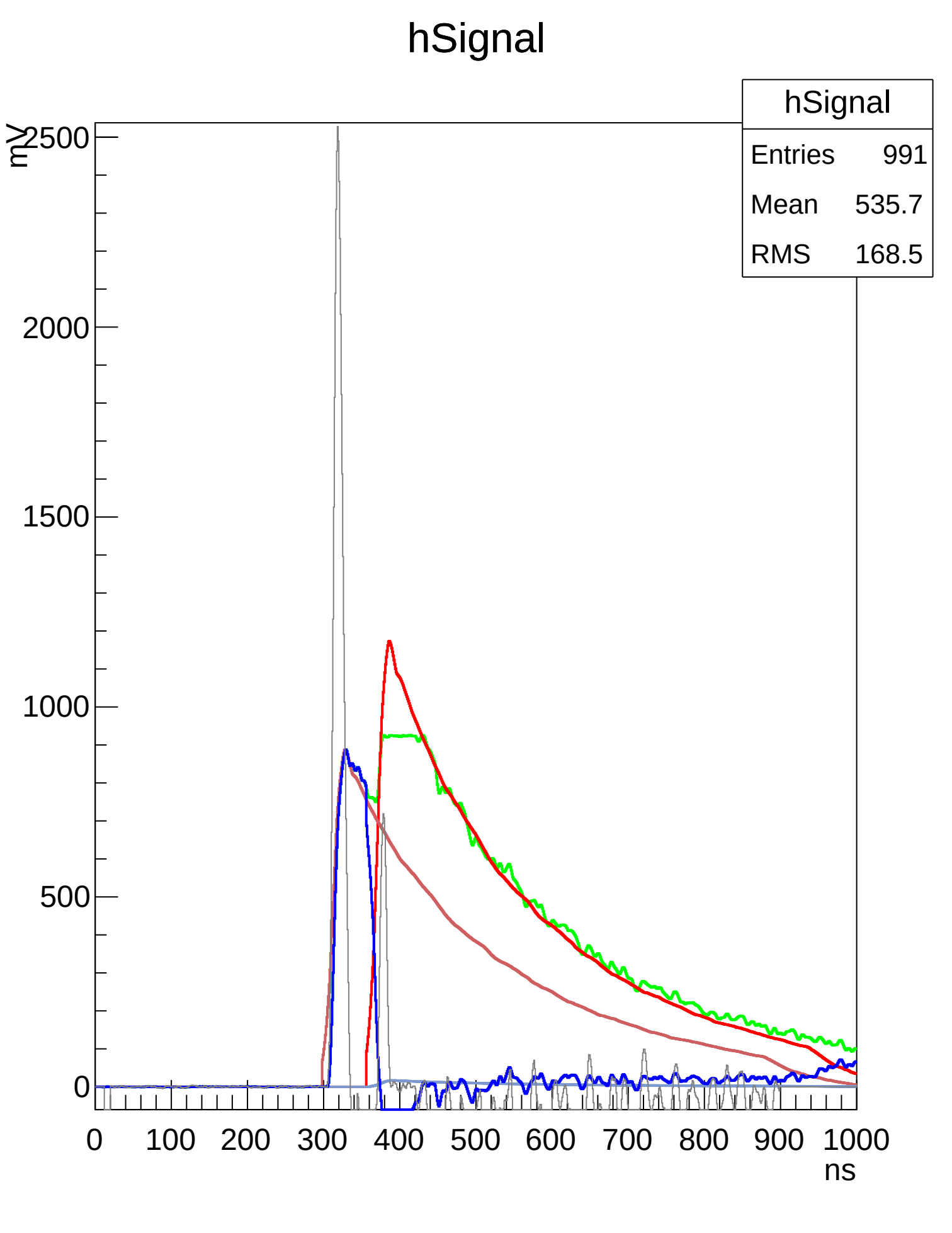

hSignal
hSignal
Entries 991
Mean 549.3
RMS 156.9
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

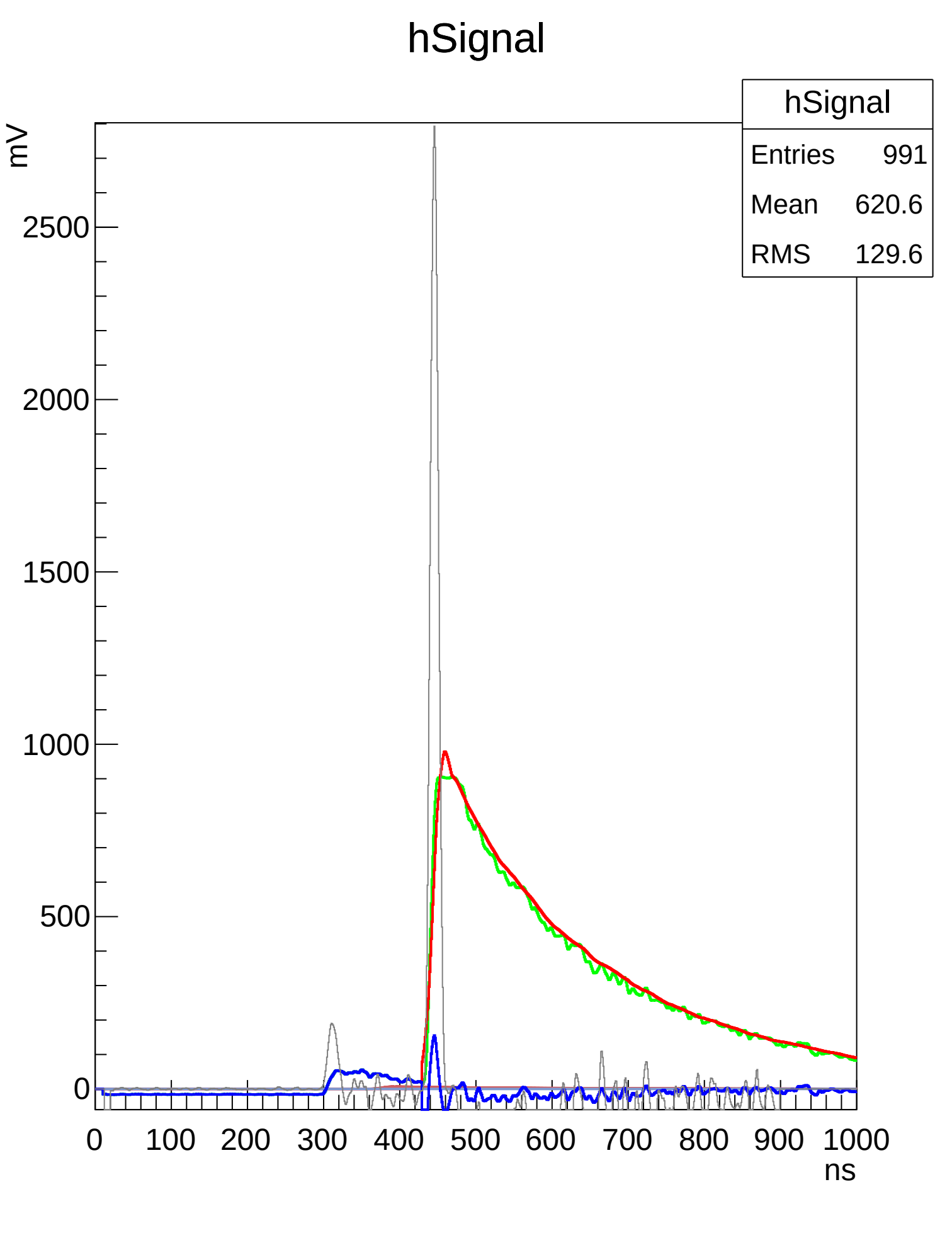

hSignal
hSignal
Entries 991
Mean 635.8
RMS 144.4
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

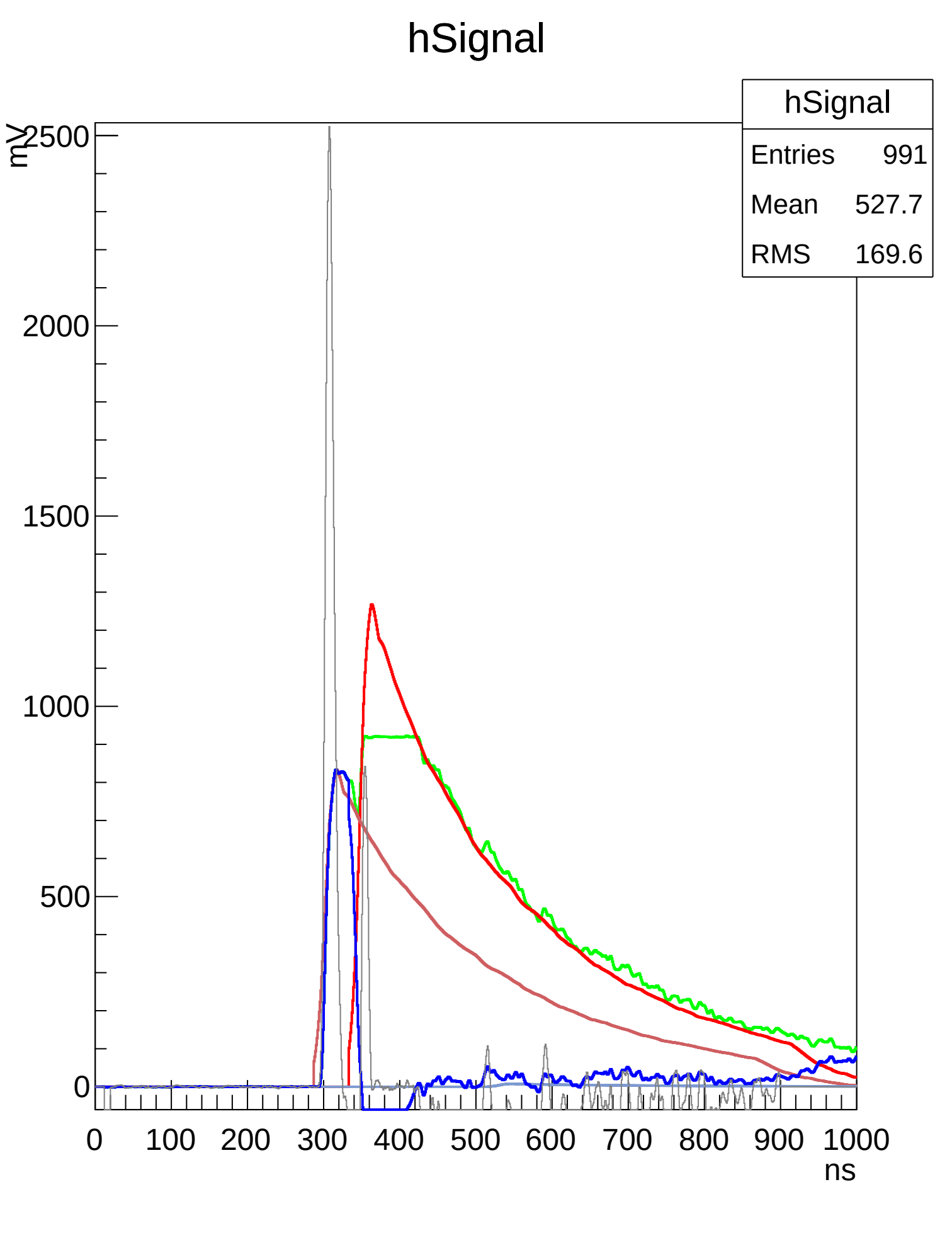

hSignal
hSignal
Entries 991
Mean 591.4
RMS 151.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

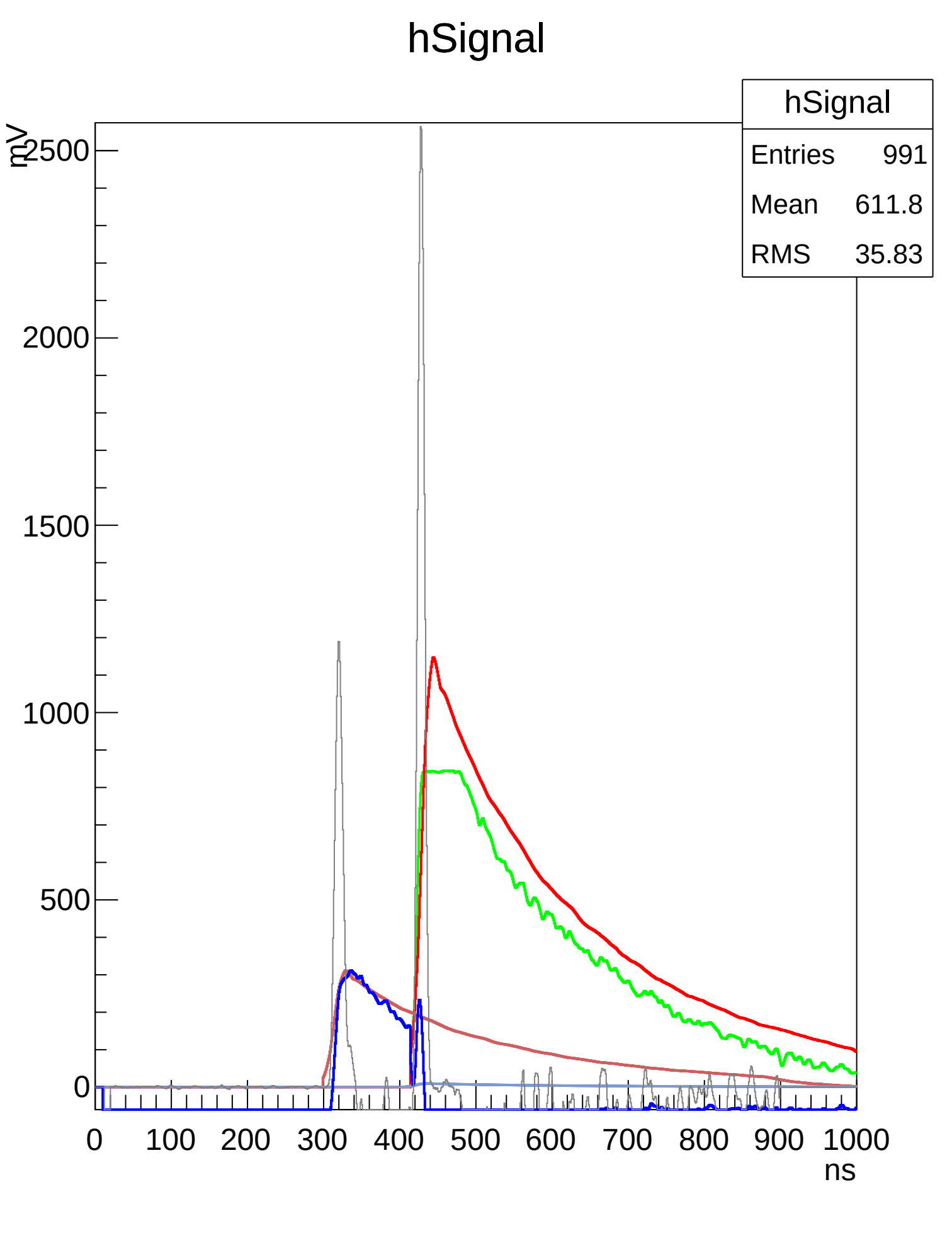

hSignal
hSignal
Entries 991
Mean 575
RMS 179.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

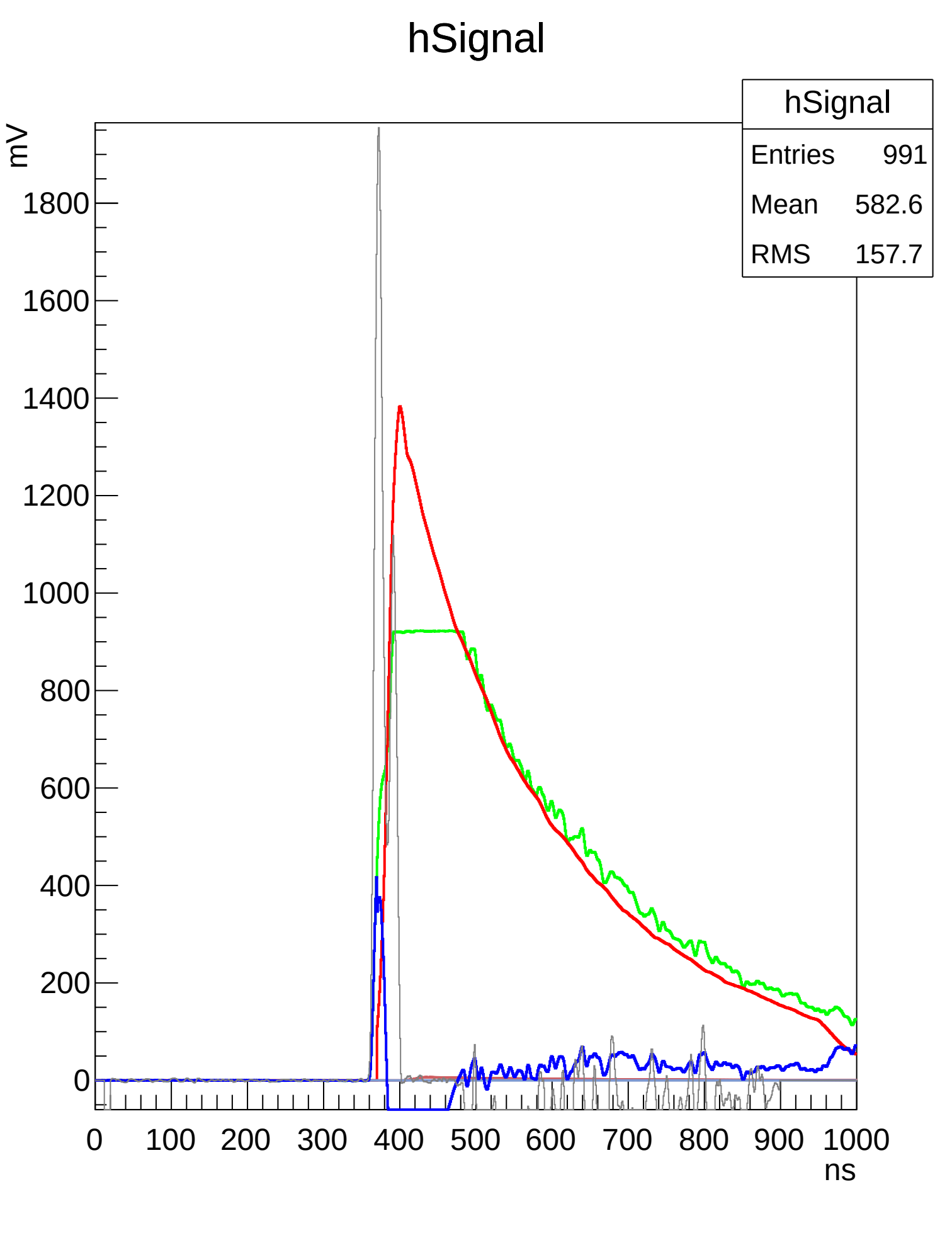

hSignal
hSignal
Entries 991
Mean 561.6
RMS 158.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

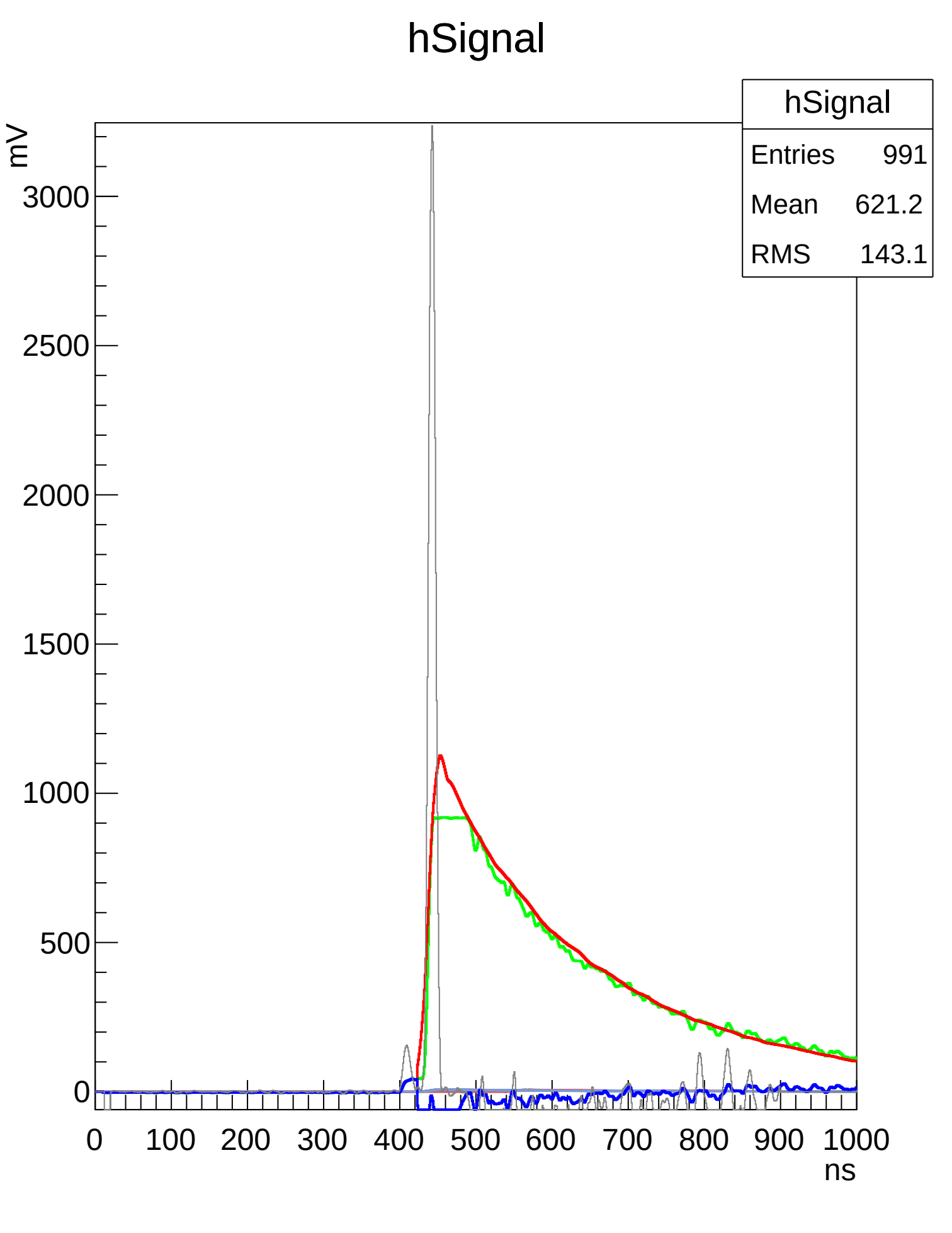

hSignal
hSignal
Entries 991
Mean 535.7
RMS 168.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

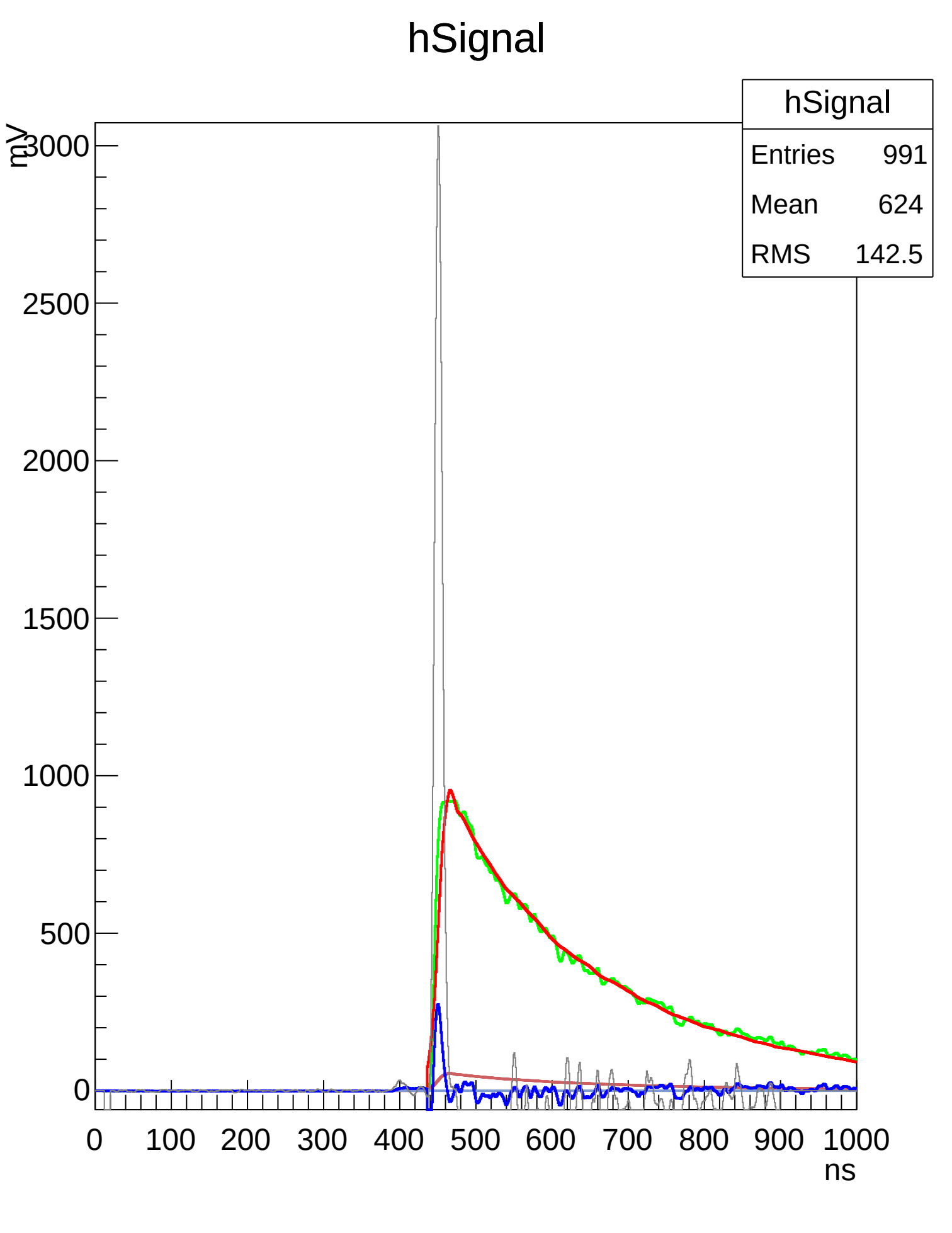

hSignal
hSignal
Entries 991
Mean 620.6
RMS 129.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

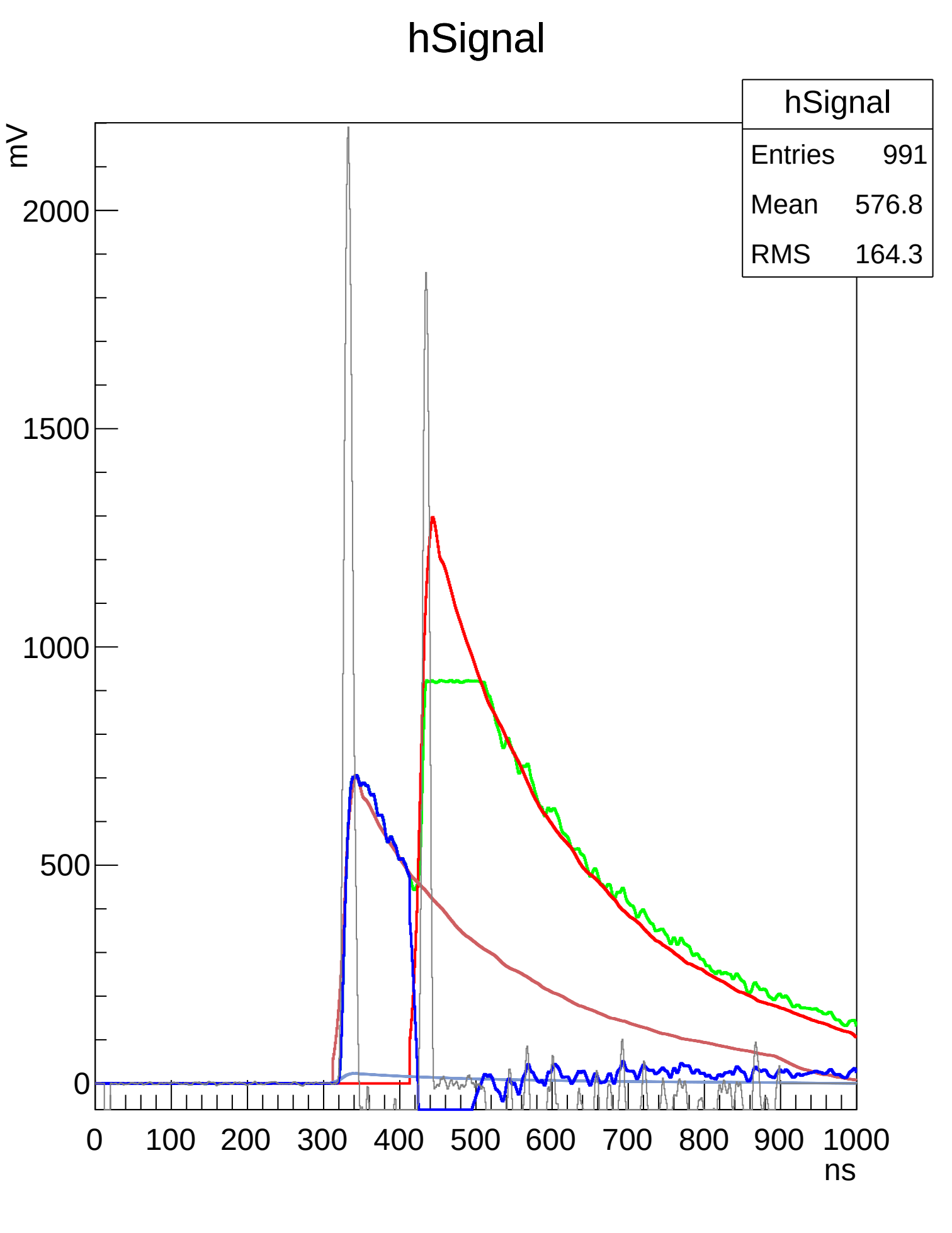

hSignal
hSignal
Entries 991
Mean 527.7
RMS 169.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

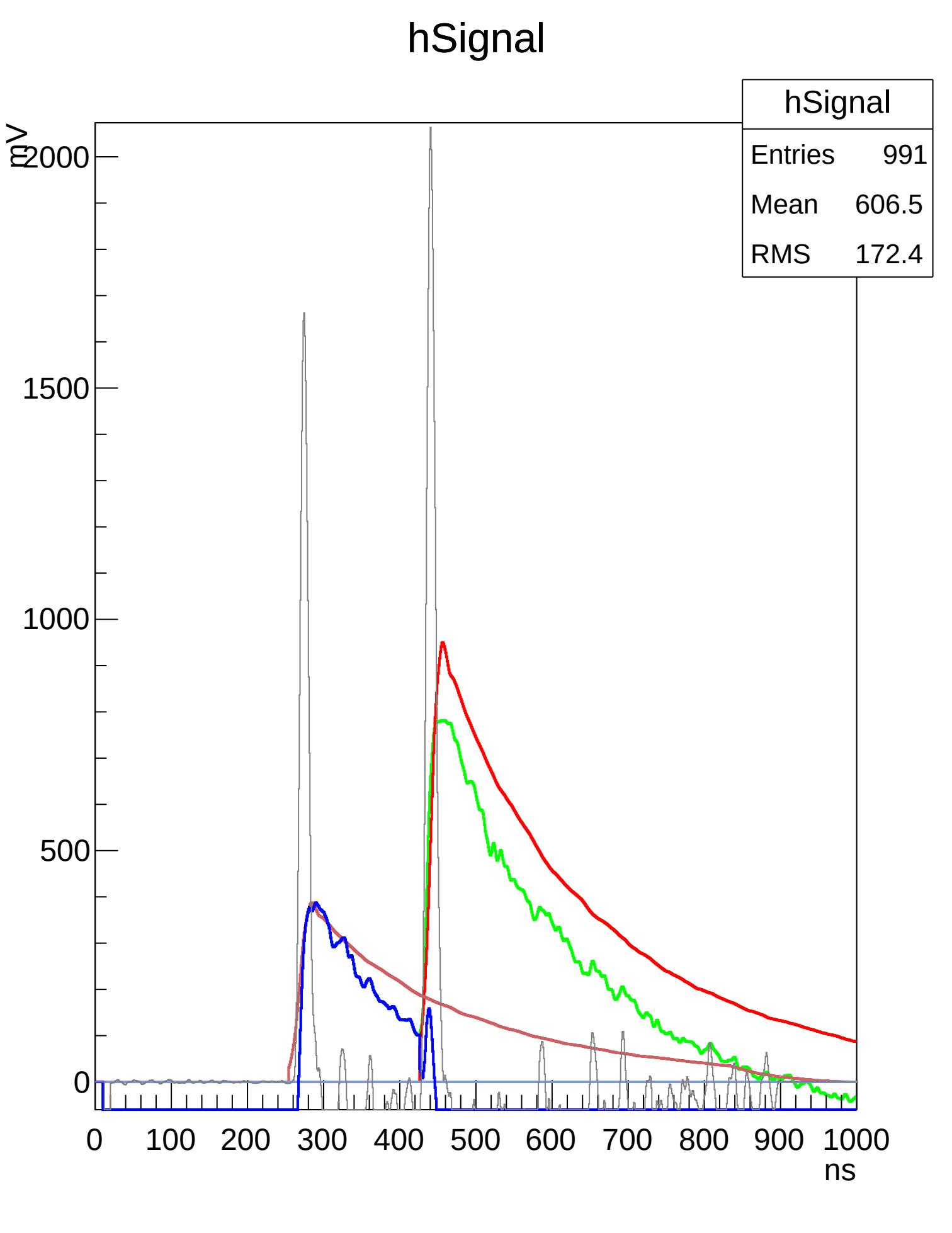

hSignal
hSignal
Entries 991
Mean 611.8
RMS 35.83
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

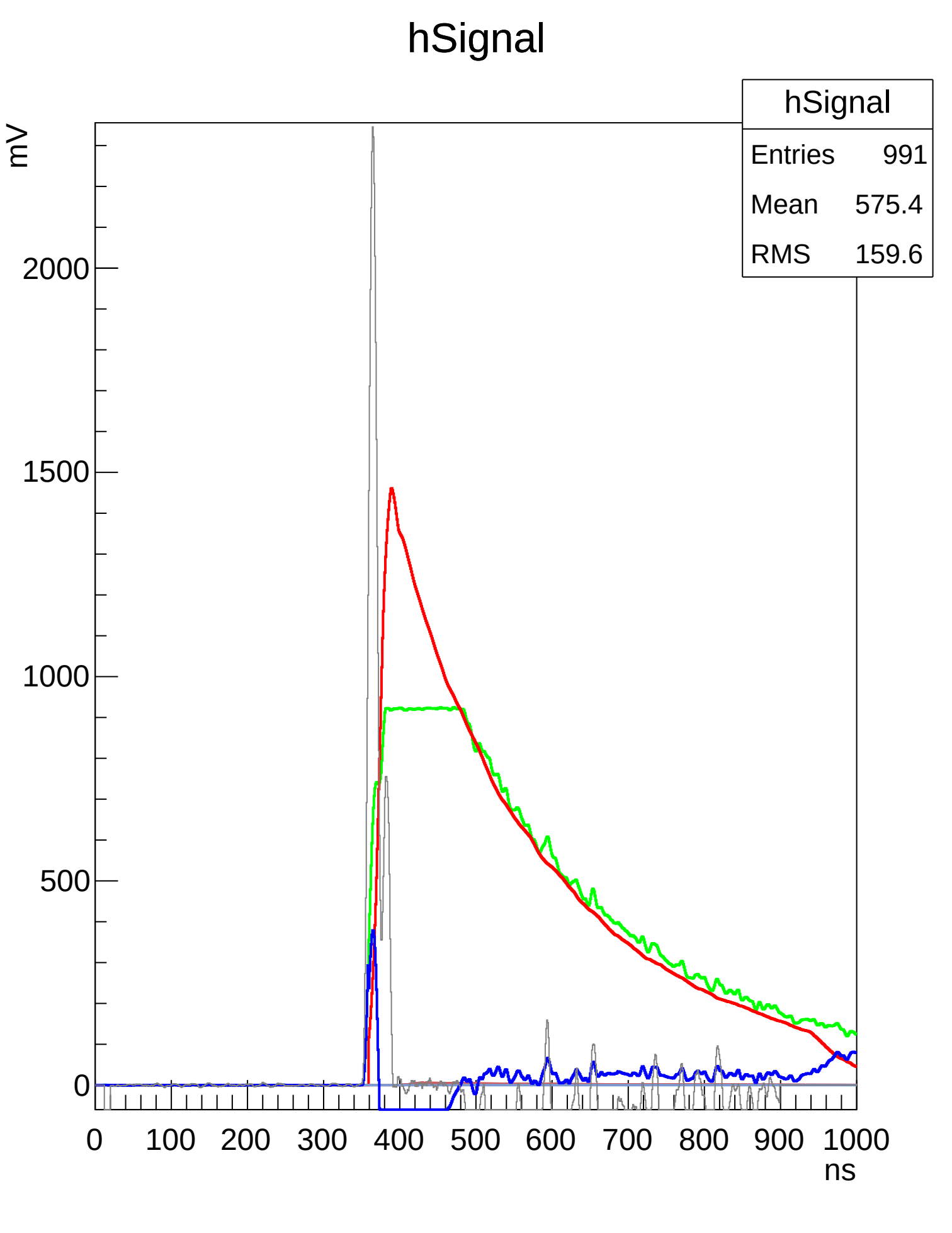

hSignal
hSignal
Entries 991
Mean 582.6
RMS 157.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

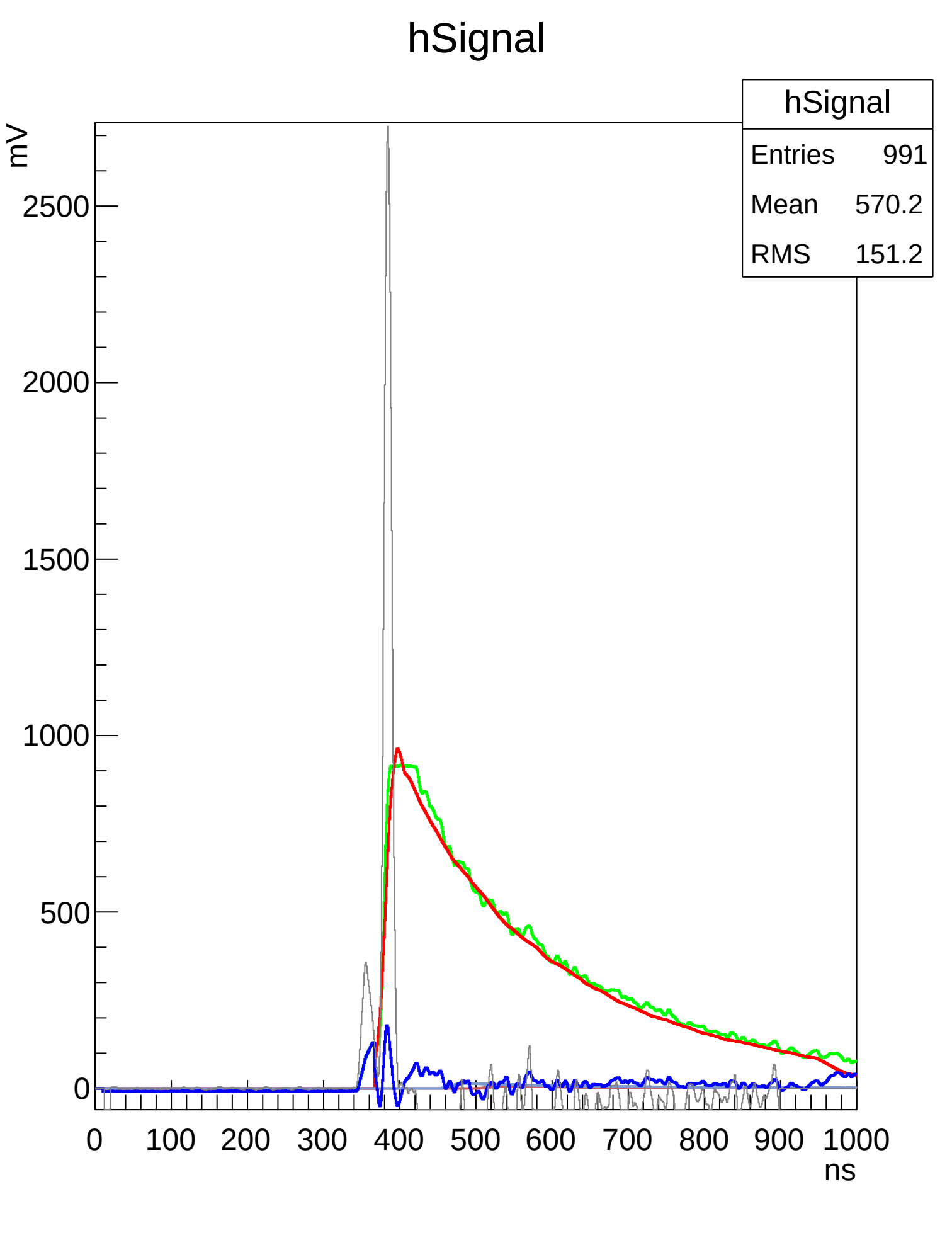

hSignal
hSignal
Entries 991
Mean 621.2
RMS 143.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

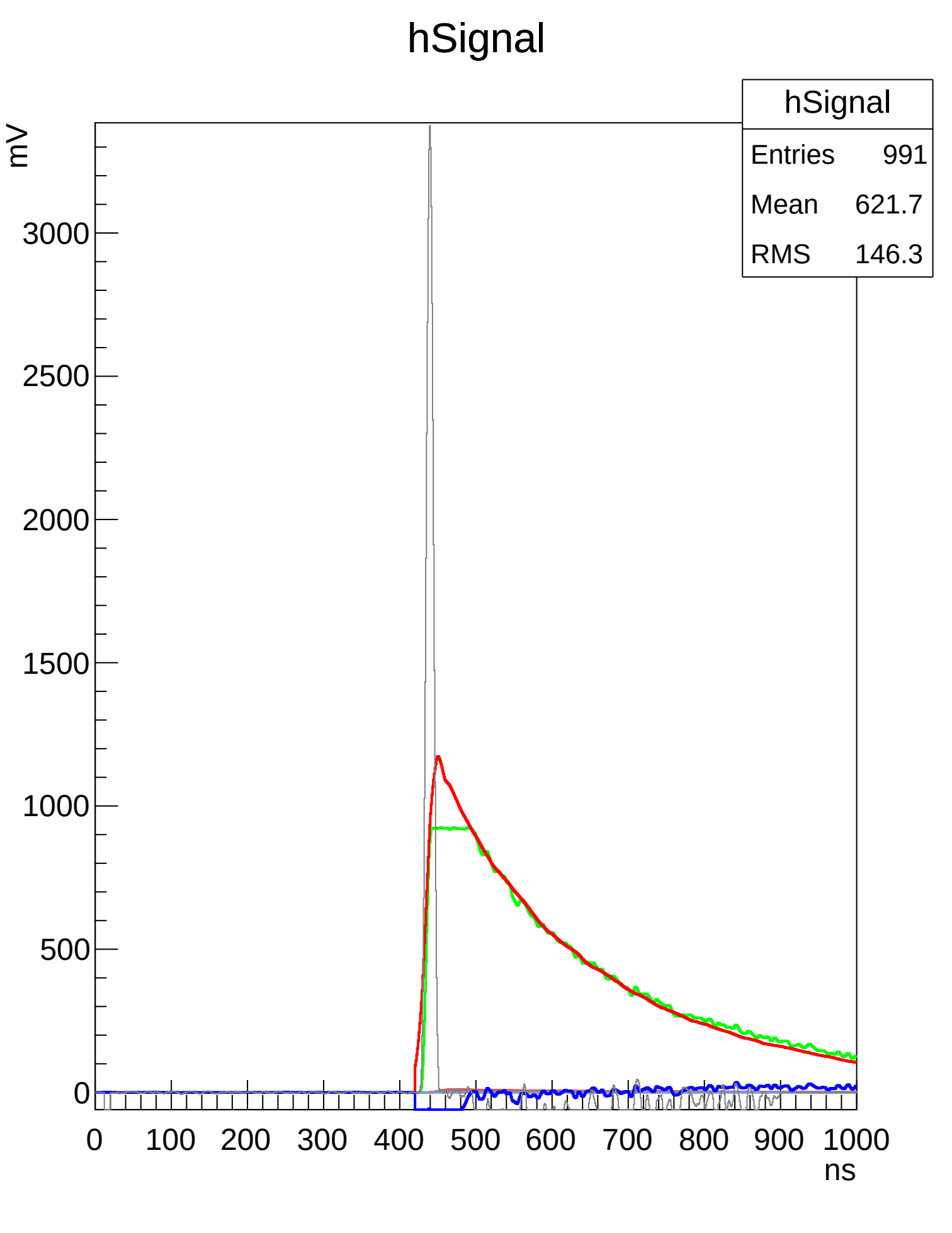

hSignal
hSignal
Entries 991
Mean 624
RMS 142.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

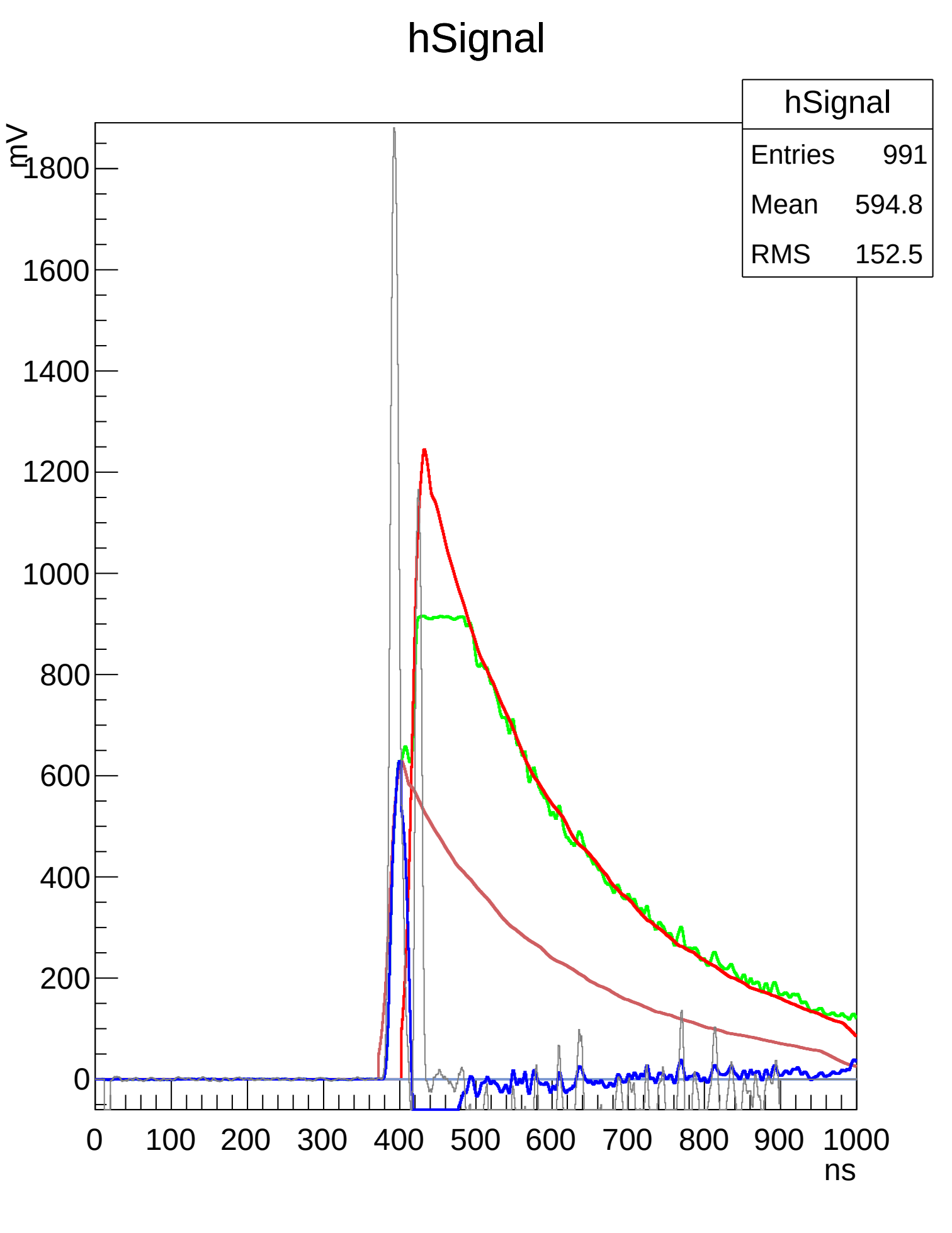

hSignal
hSignal
Entries 991
Mean 576.8
RMS 164.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

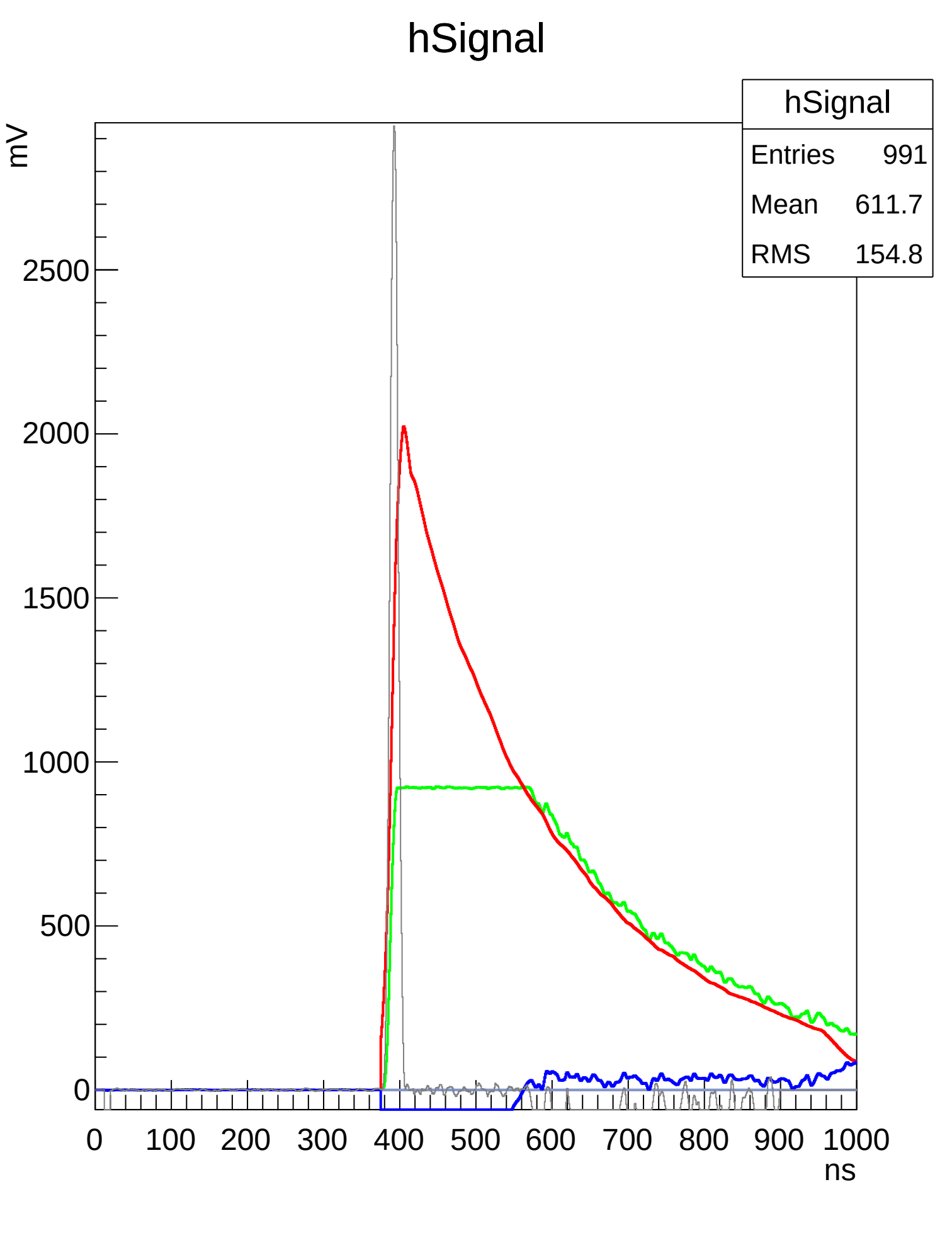

hSignal
hSignal
Entries 991
Mean 606.5
RMS 172.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

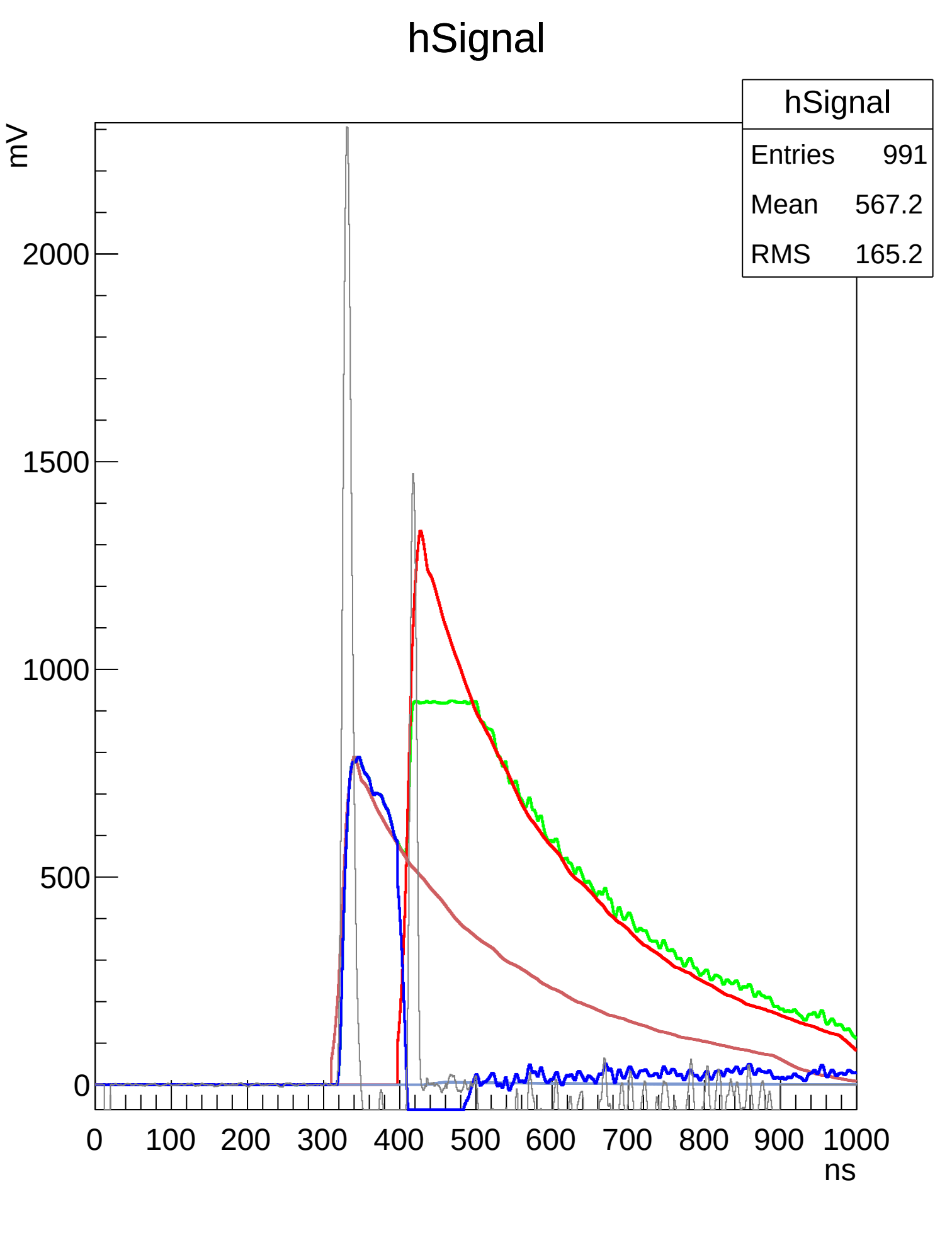

hSignal
hSignal
Entries 991
Mean 575.4
RMS 159.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

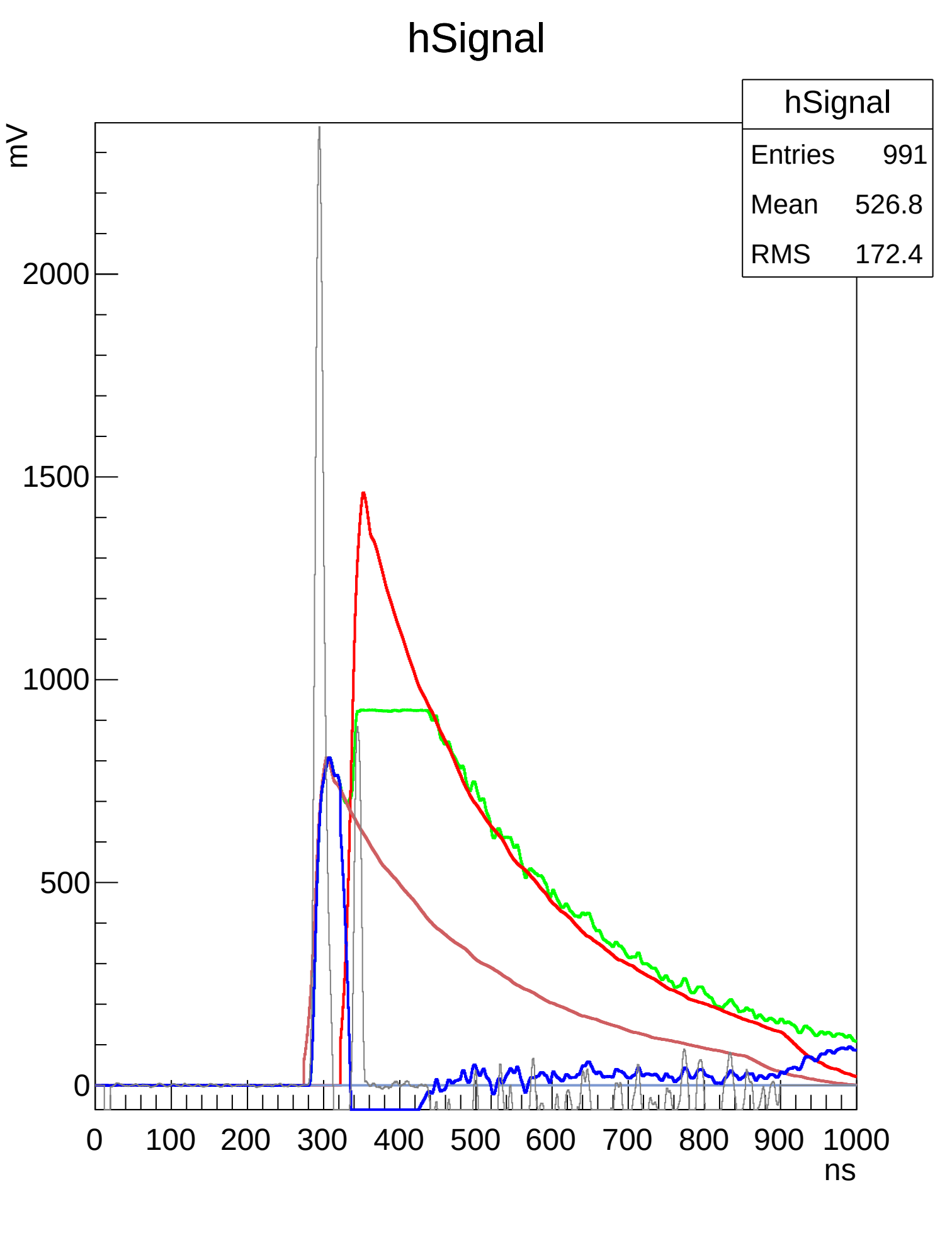

hSignal
hSignal
Entries 991
Mean 570.2
RMS 151.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

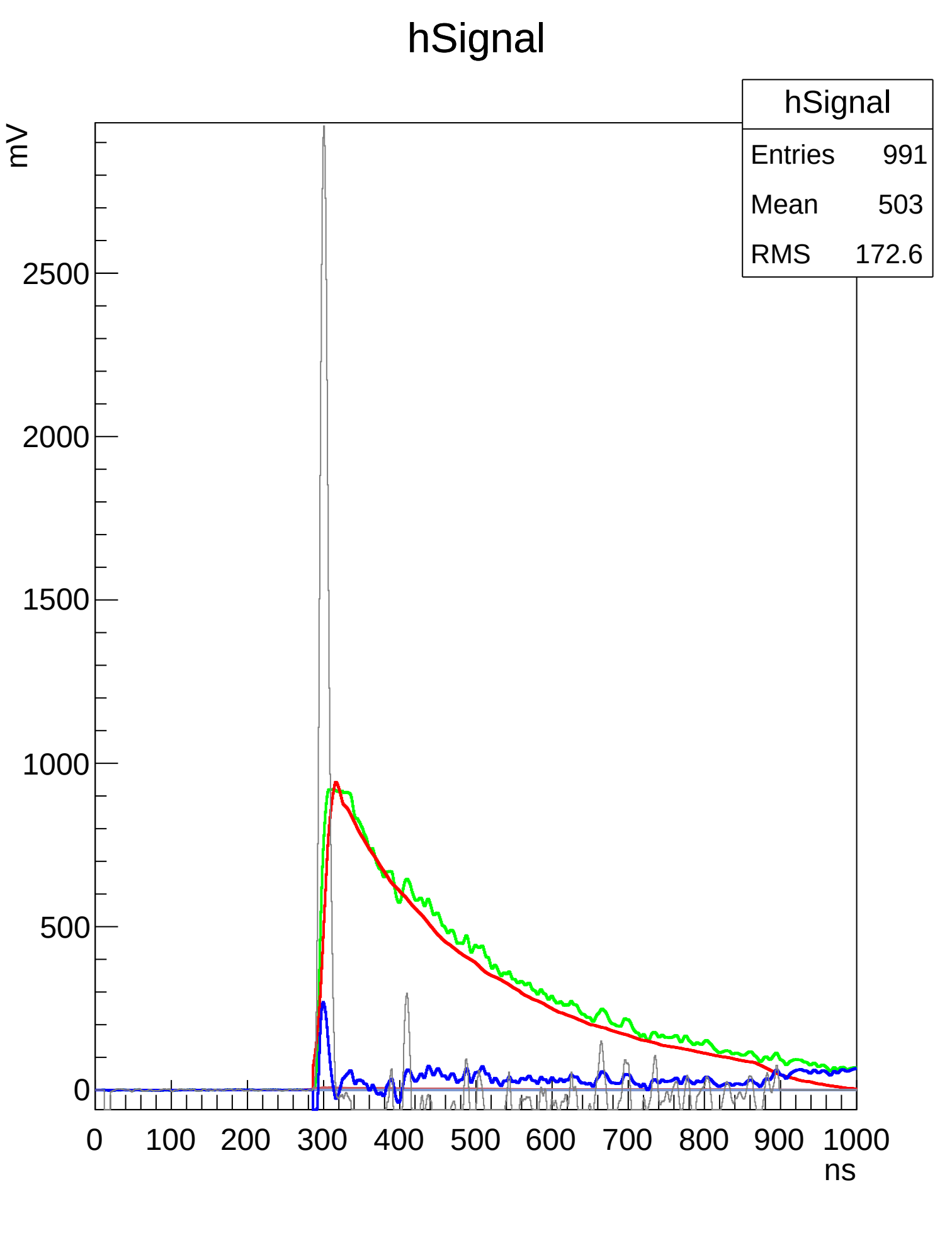

hSignal
hSignal
Entries 991
Mean 621.7
RMS 146.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

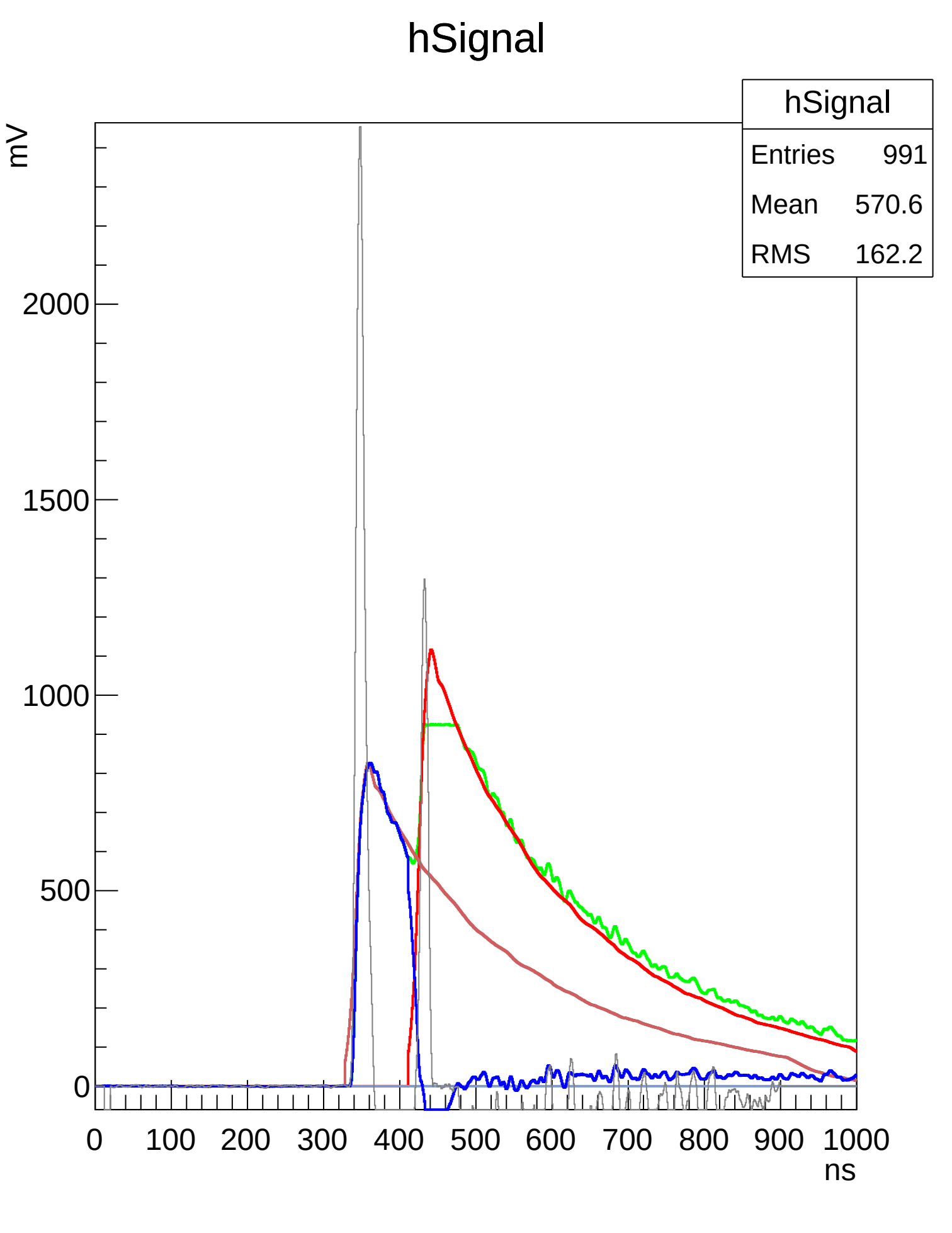

hSignal
hSignal
Entries 991
Mean 594.8
RMS 152.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

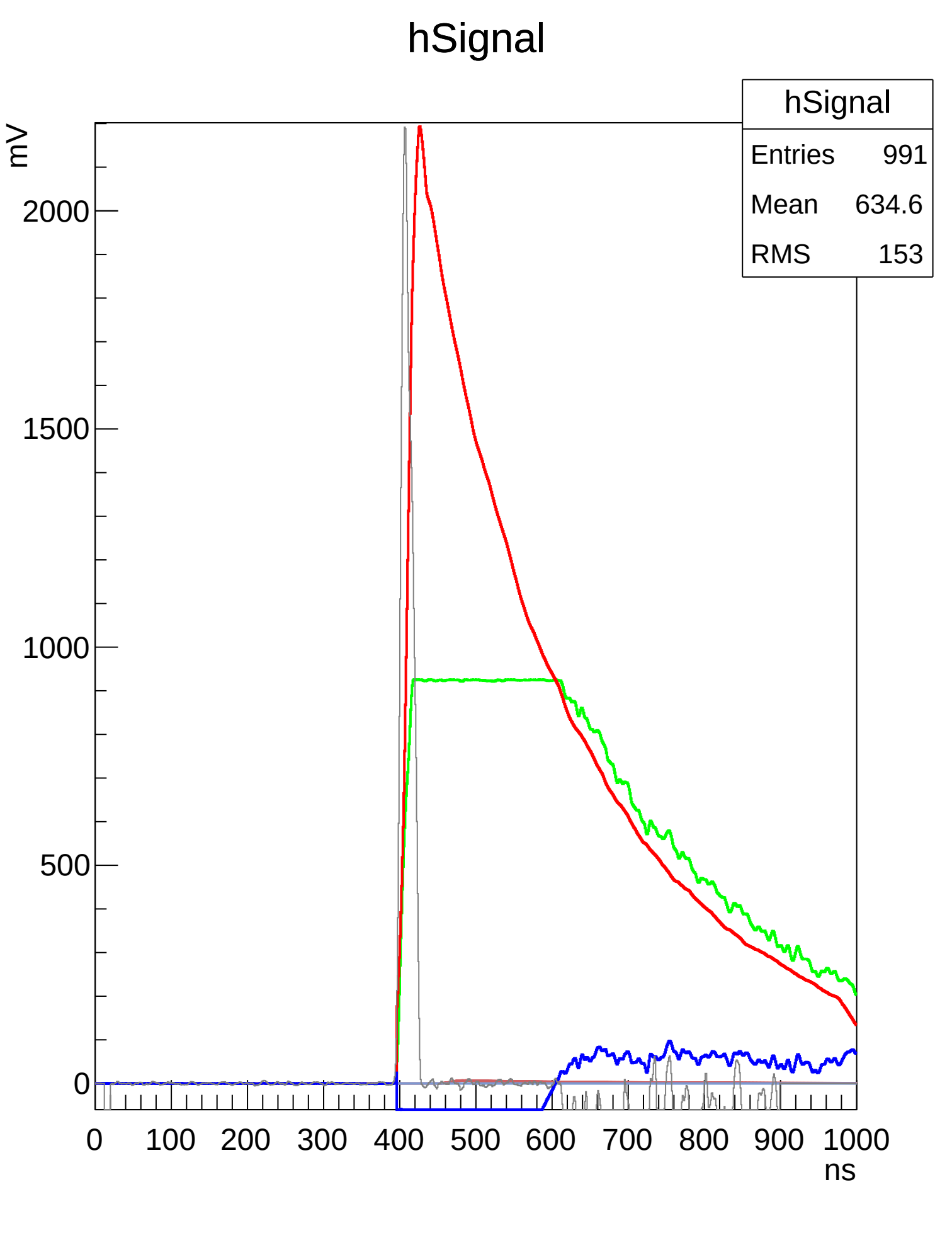

hSignal
hSignal
Entries 991
Mean 611.7
RMS 154.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

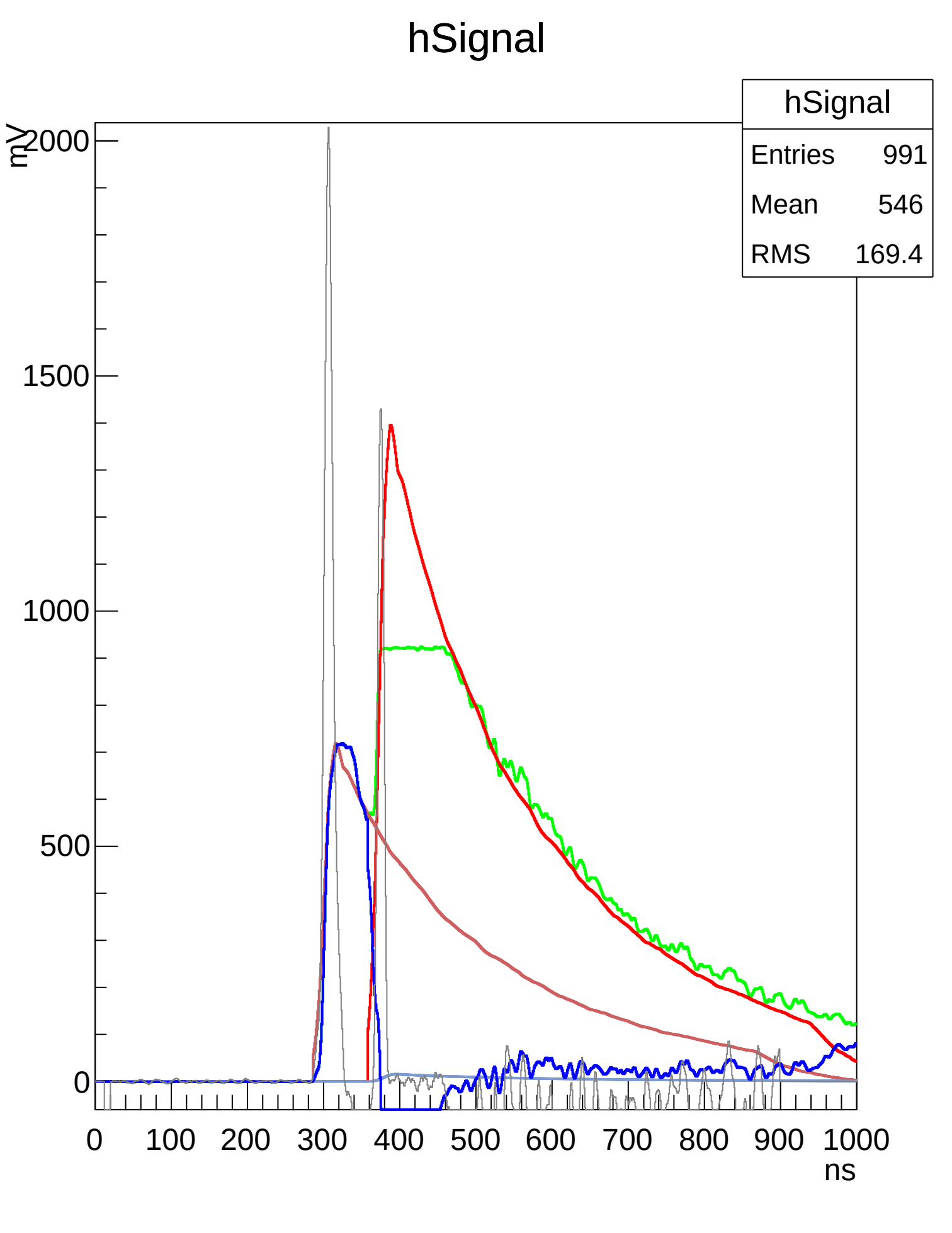

hSignal
hSignal
Entries 991
Mean 567.2
RMS 165.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

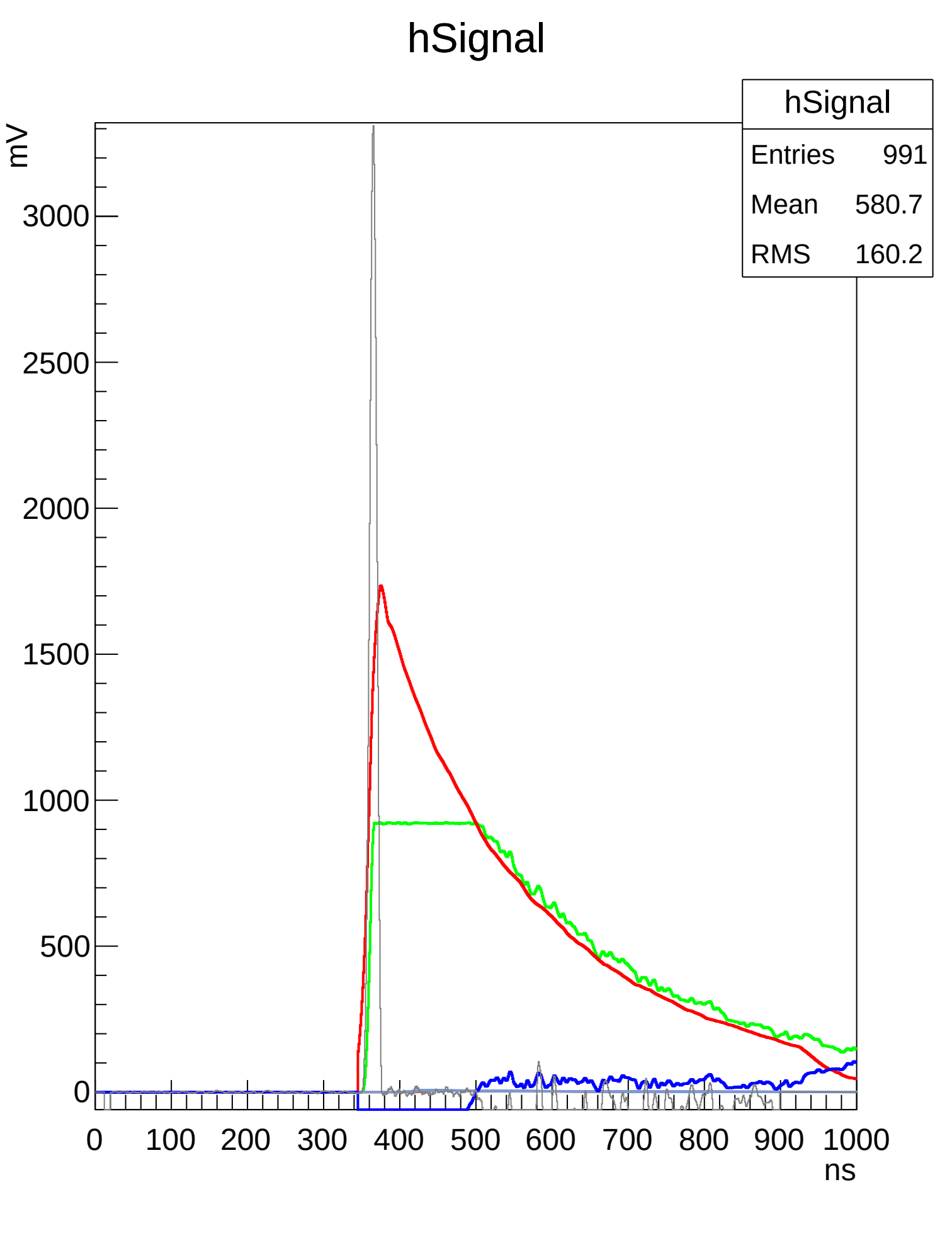

hSignal
hSignal
Entries 991
Mean 526.8
RMS 172.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

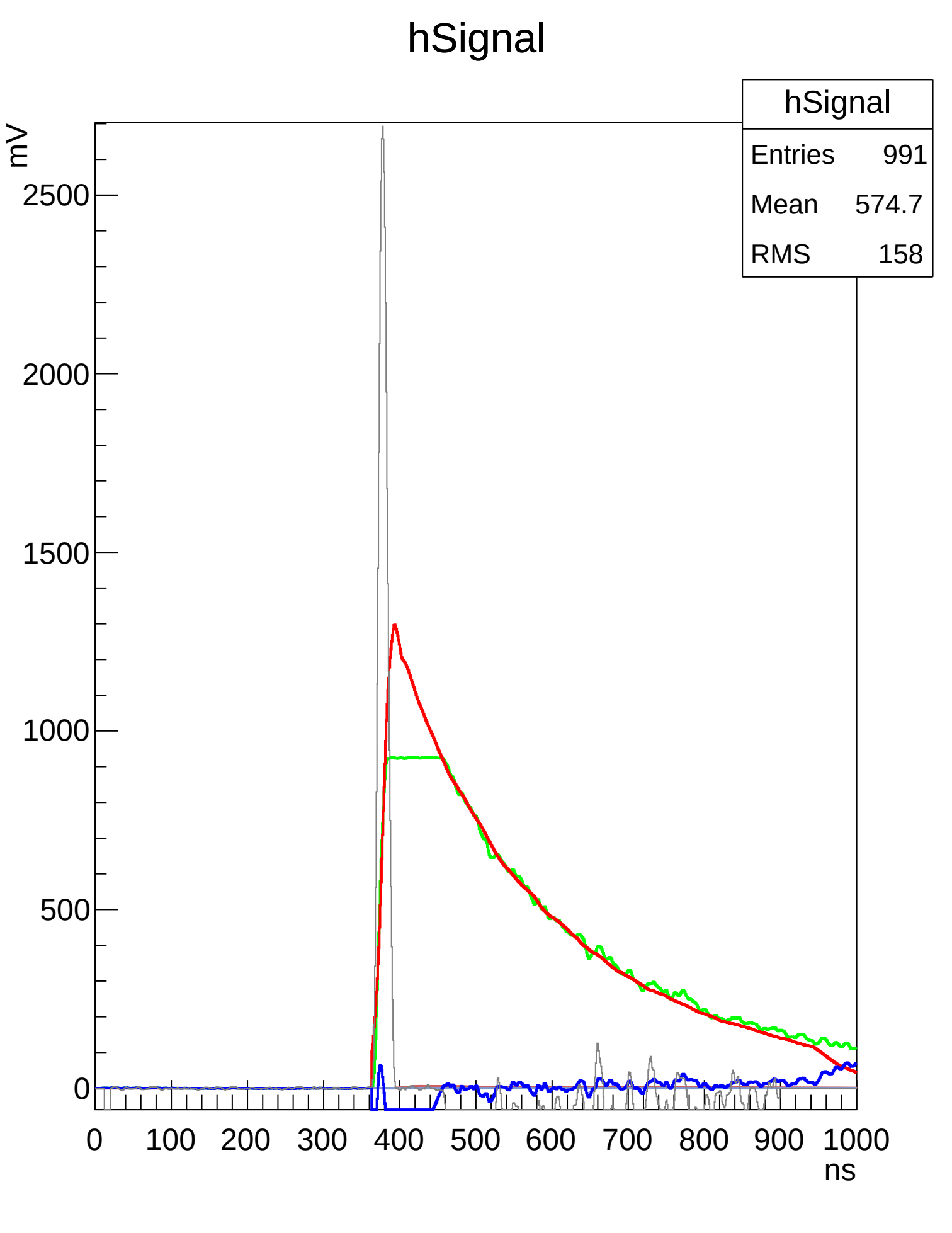

hSignal
hSignal
Entries 991
Mean 503
RMS 172.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

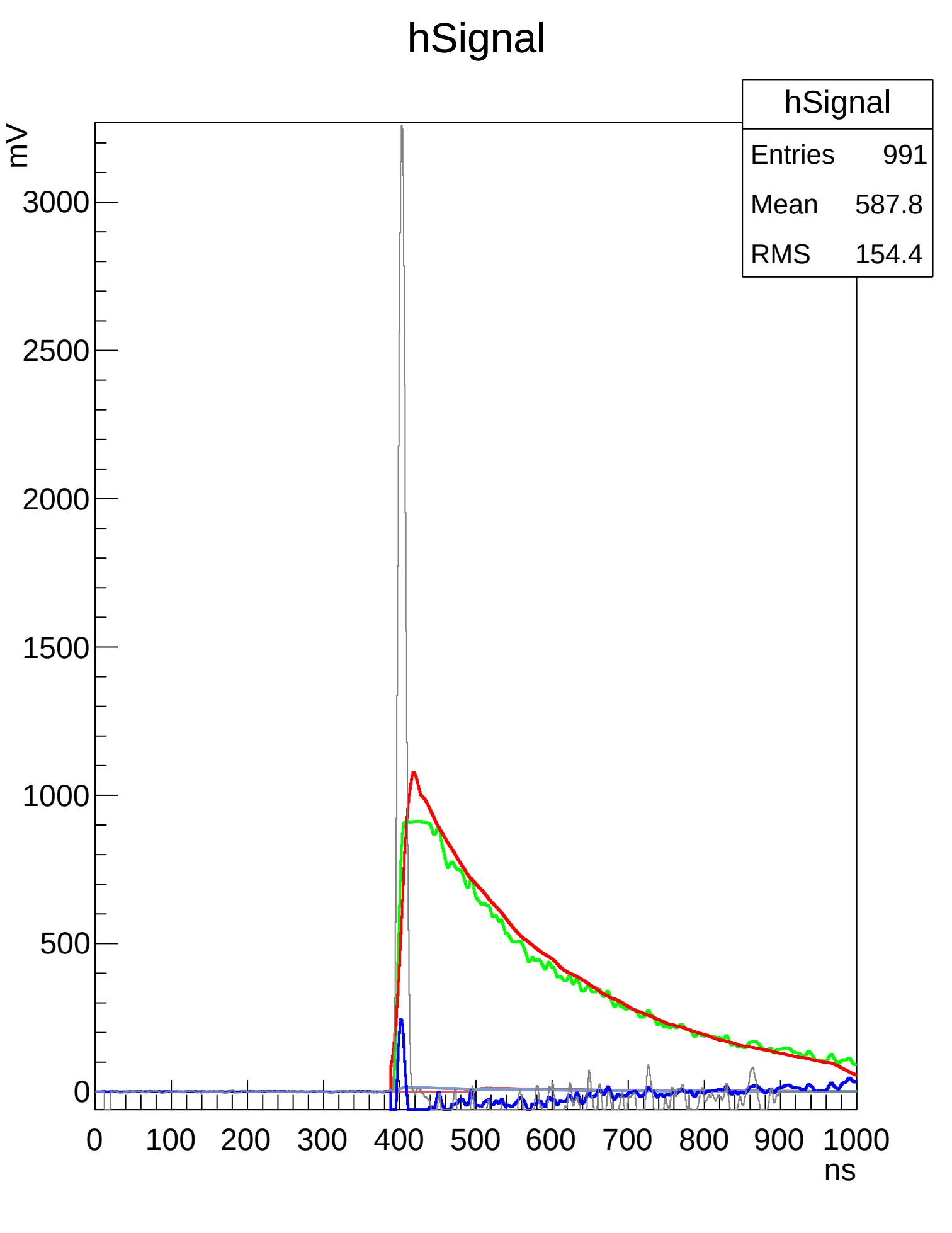

hSignal
hSignal
Entries 991
Mean 570.6
RMS 162.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

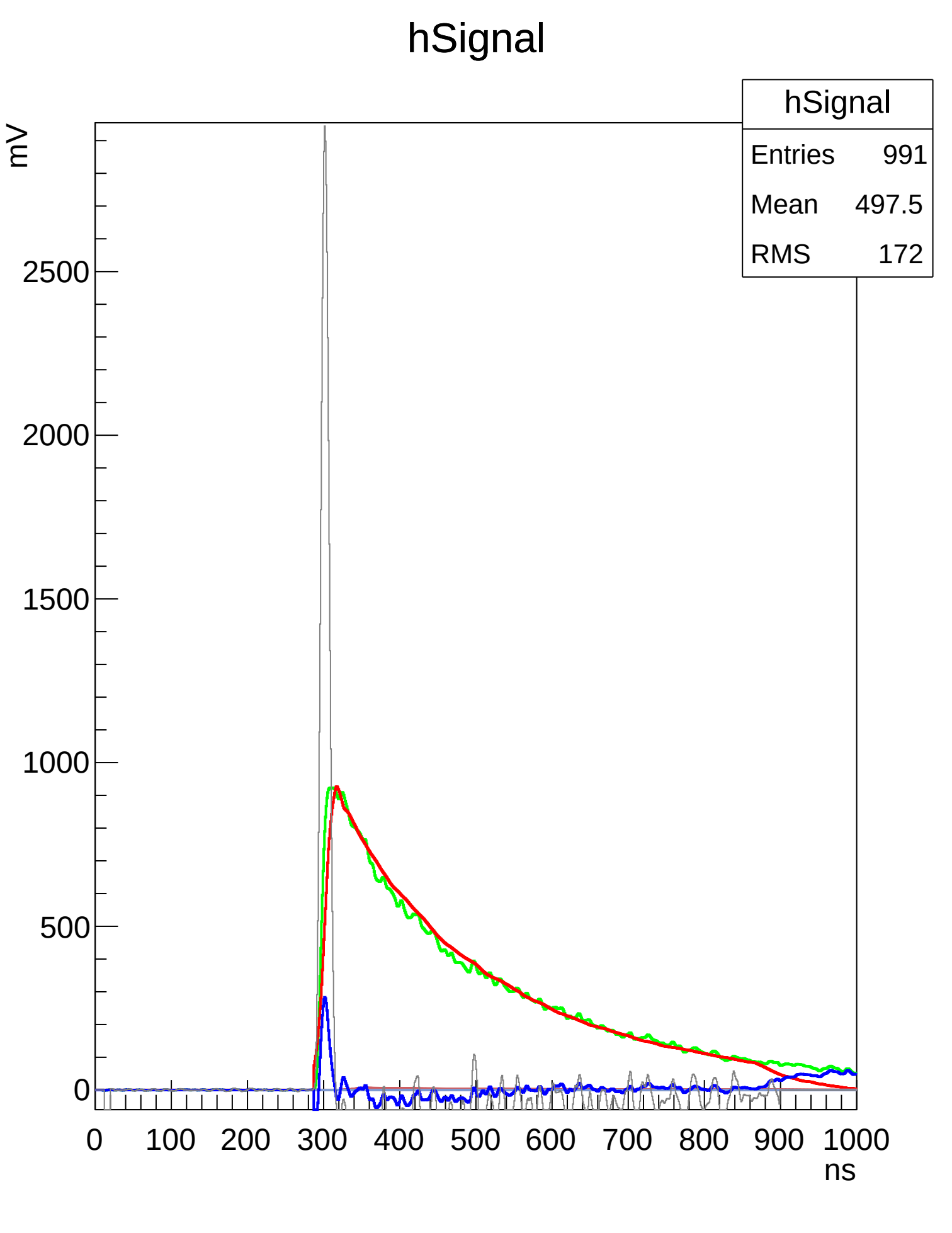

hSignal
hSignal
Entries 991
Mean 634.6
RMS 153
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

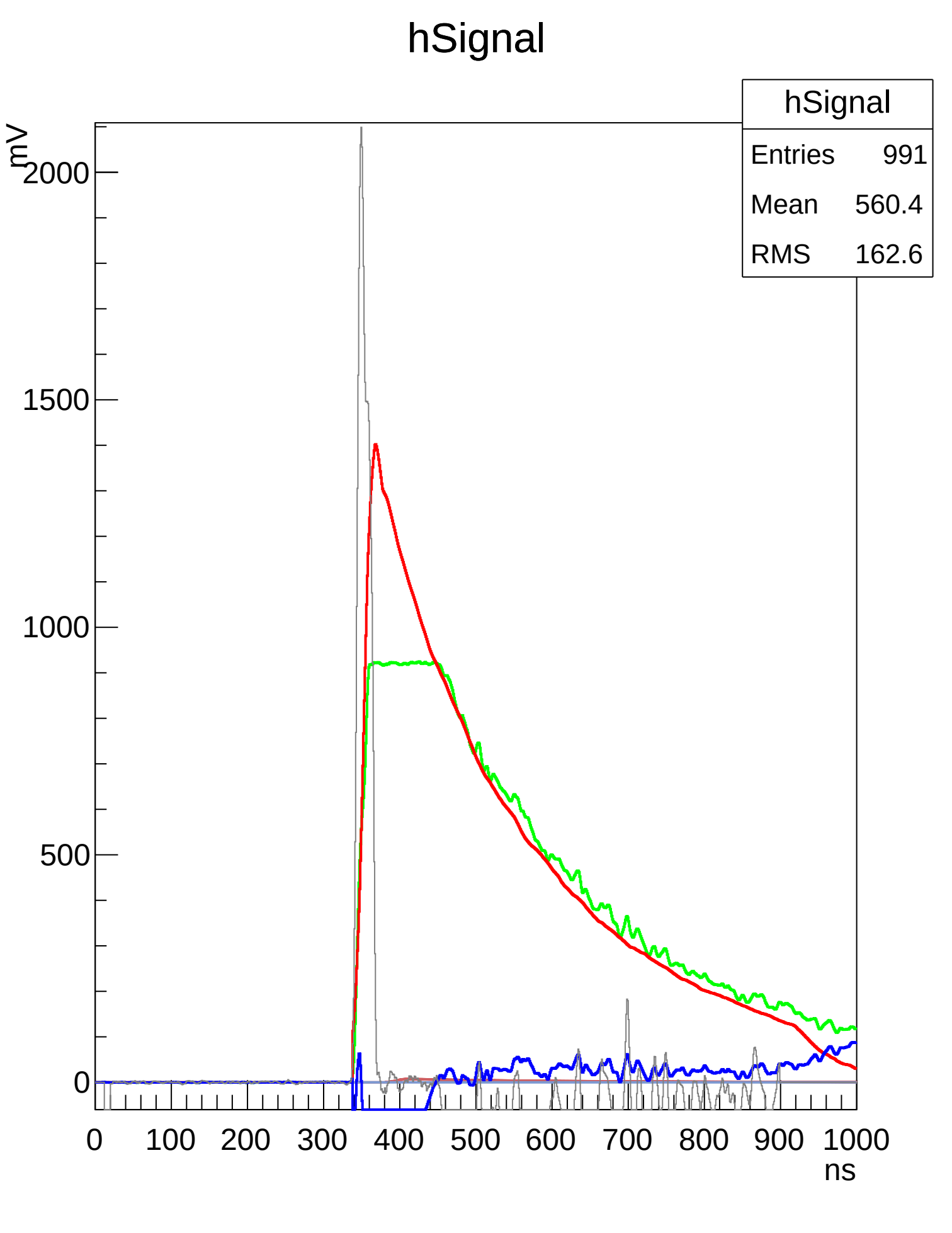

hSignal
hSignal
Entries 991
Mean 546
RMS 169.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

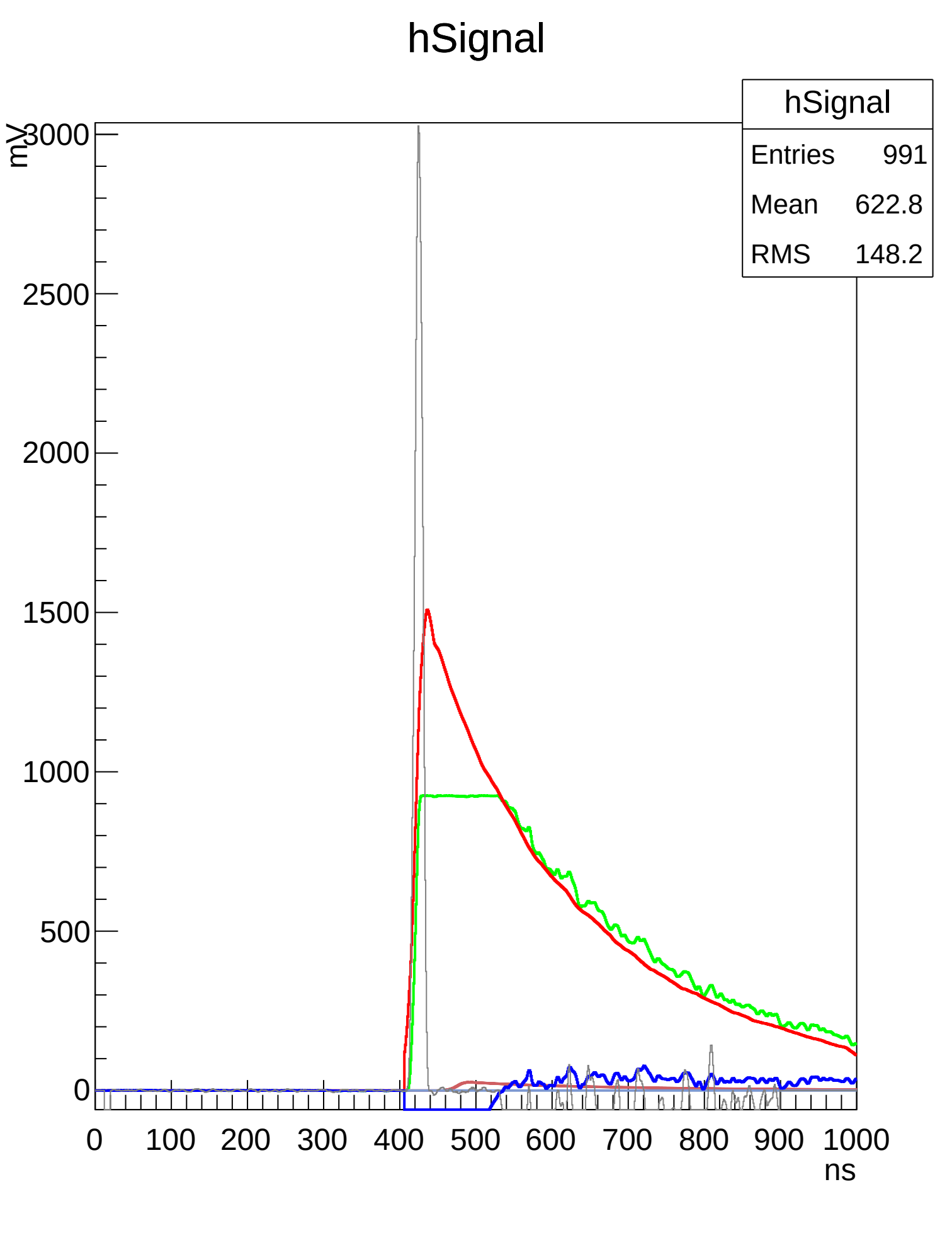

hSignal
hSignal
Entries 991
Mean 580.7
RMS 160.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

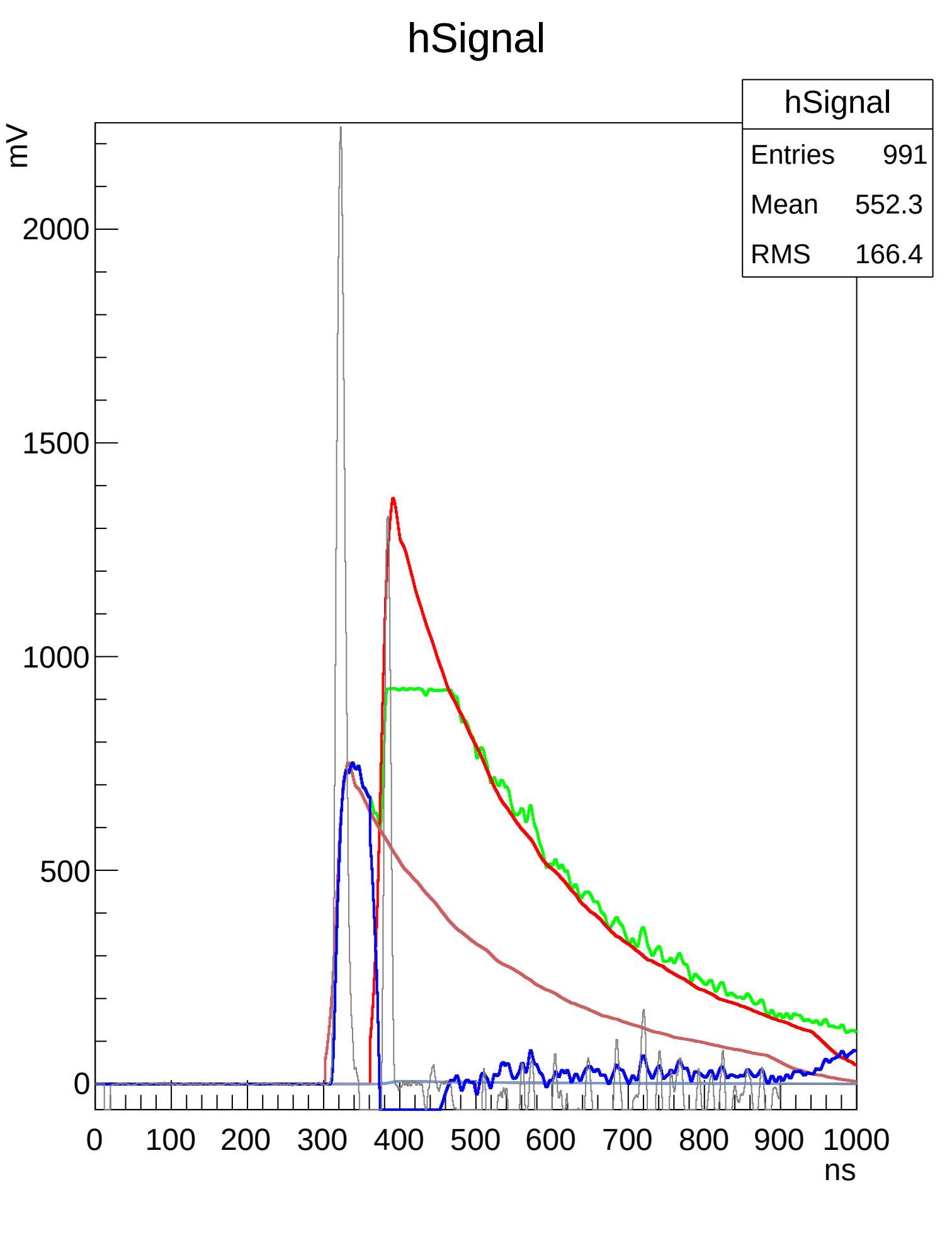

hSignal
hSignal
Entries 991
Mean 574.7
RMS 158
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

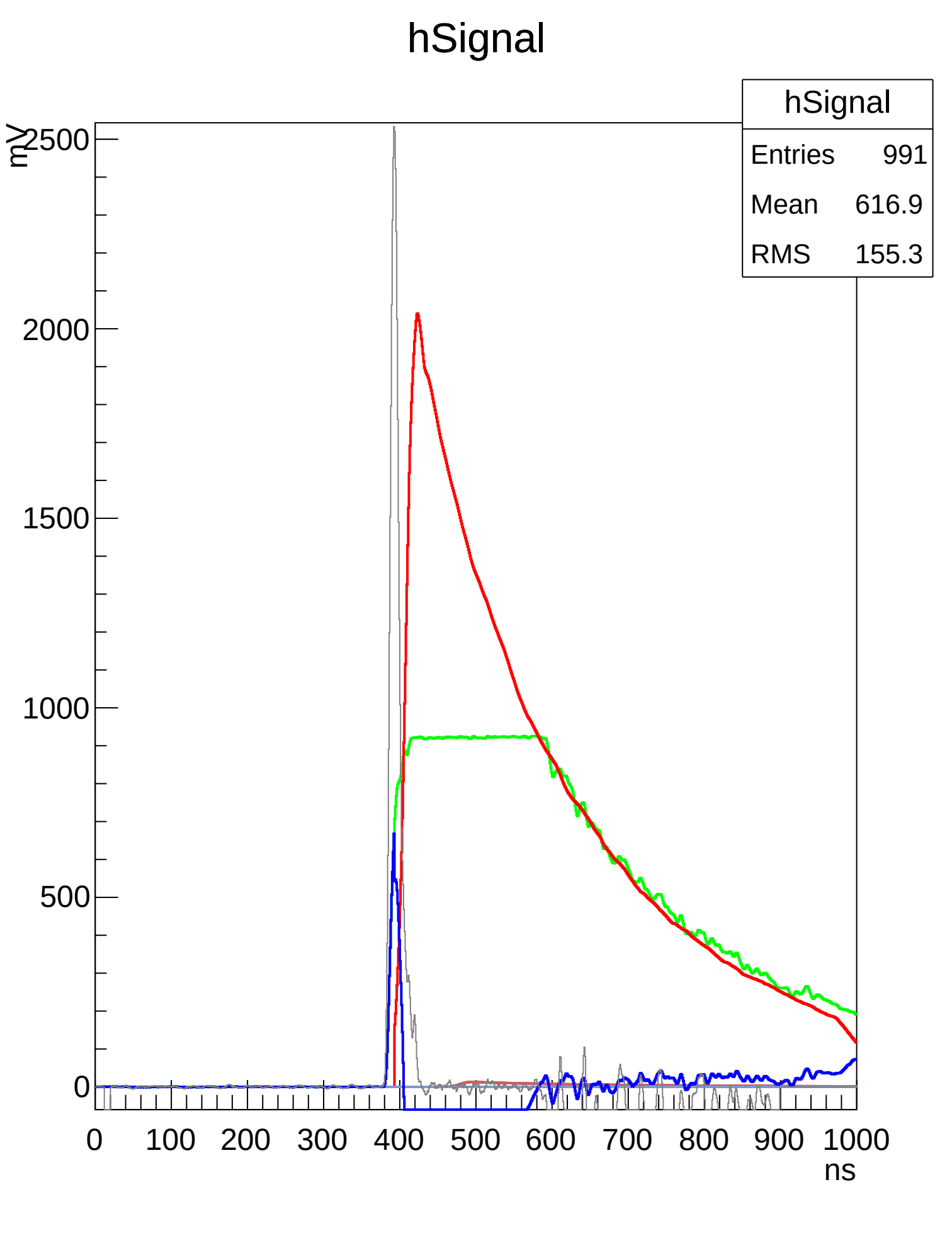

hSignal
hSignal
Entries 991
Mean 587.8
RMS 154.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

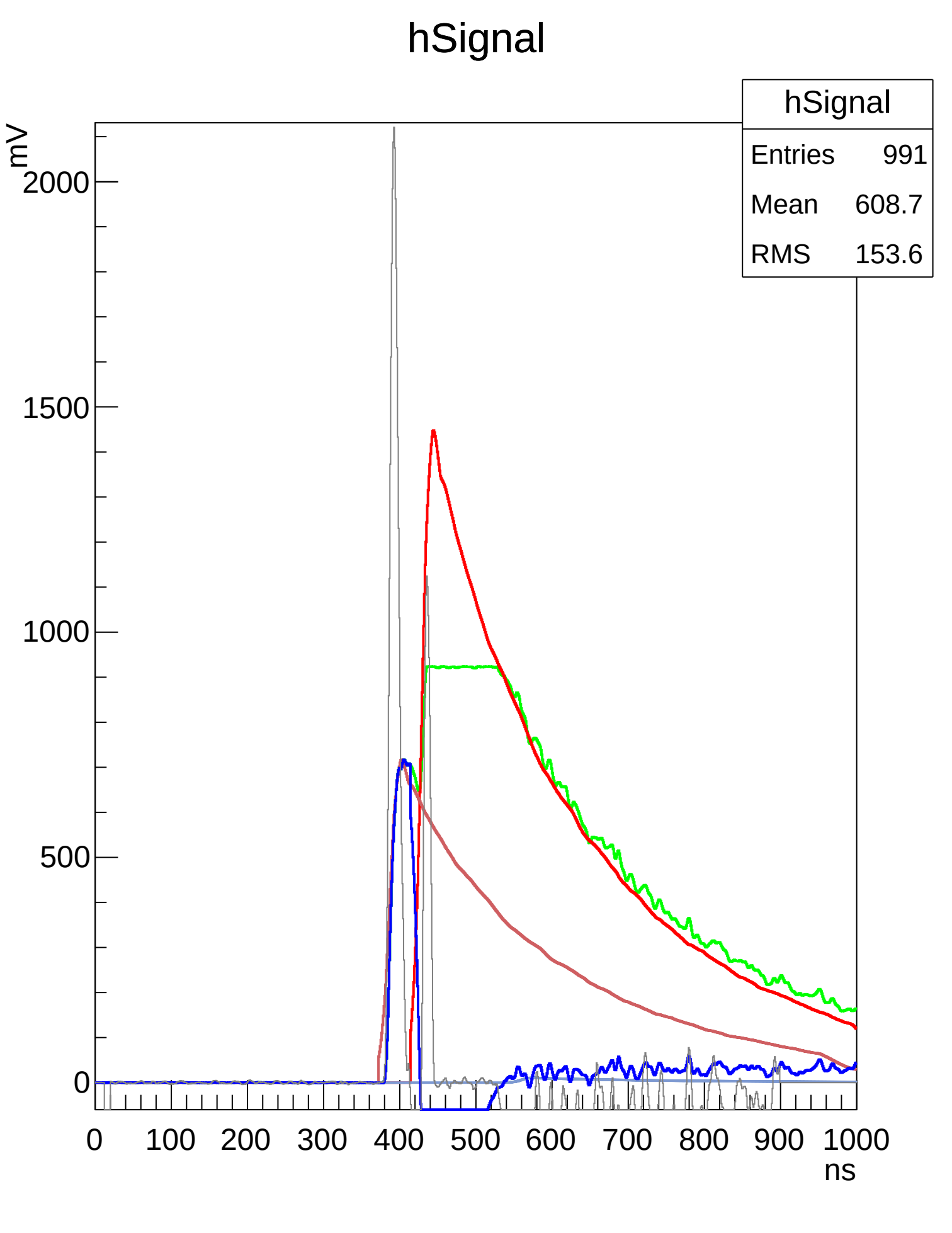

hSignal
hSignal
Entries 991
Mean 497.5
RMS 172
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

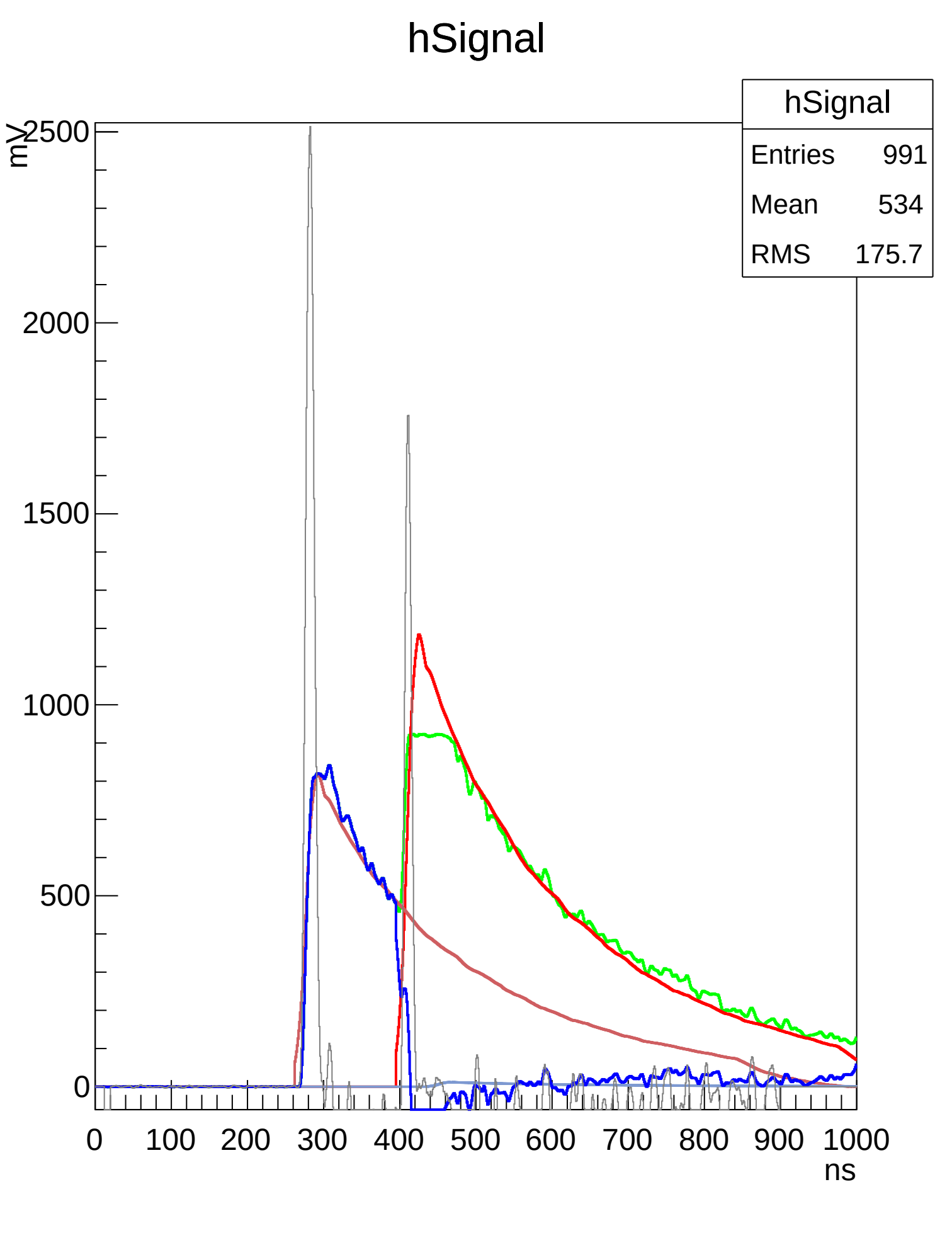

hSignal
hSignal
Entries 991
Mean 560.4
RMS 162.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

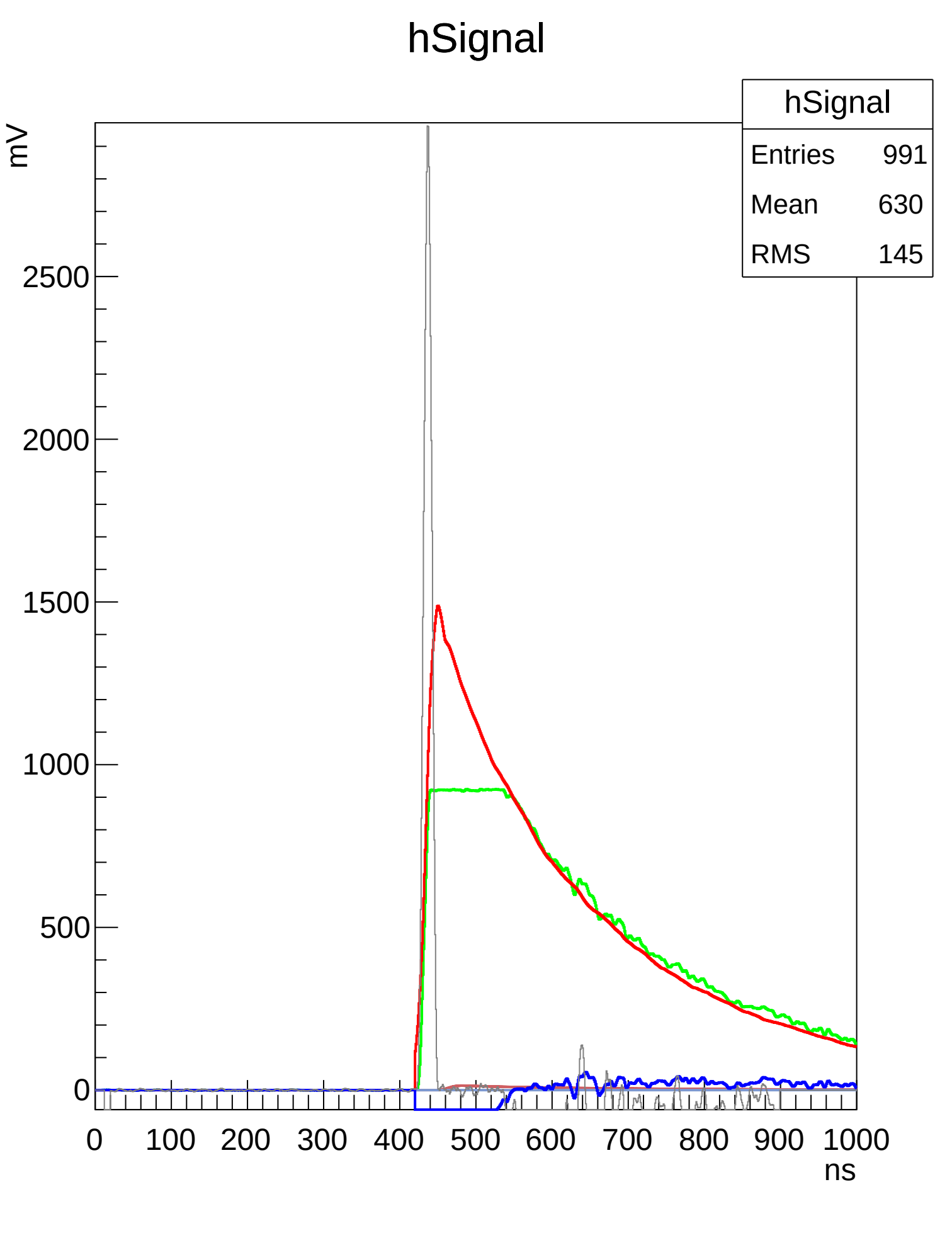

hSignal
hSignal
Entries 991
Mean 622.8
RMS 148.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

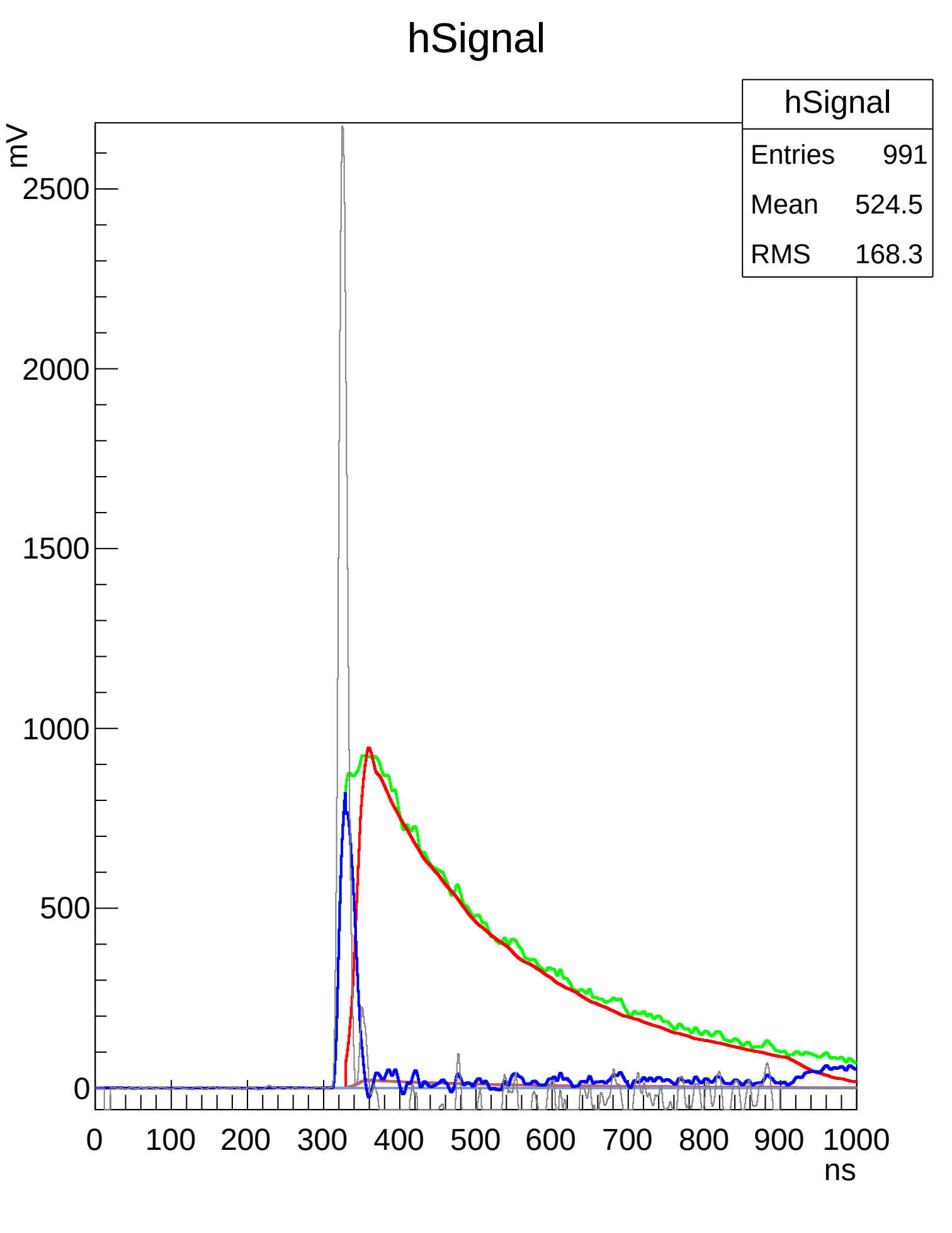

hSignal
hSignal
Entries 991
Mean 552.3
RMS 166.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

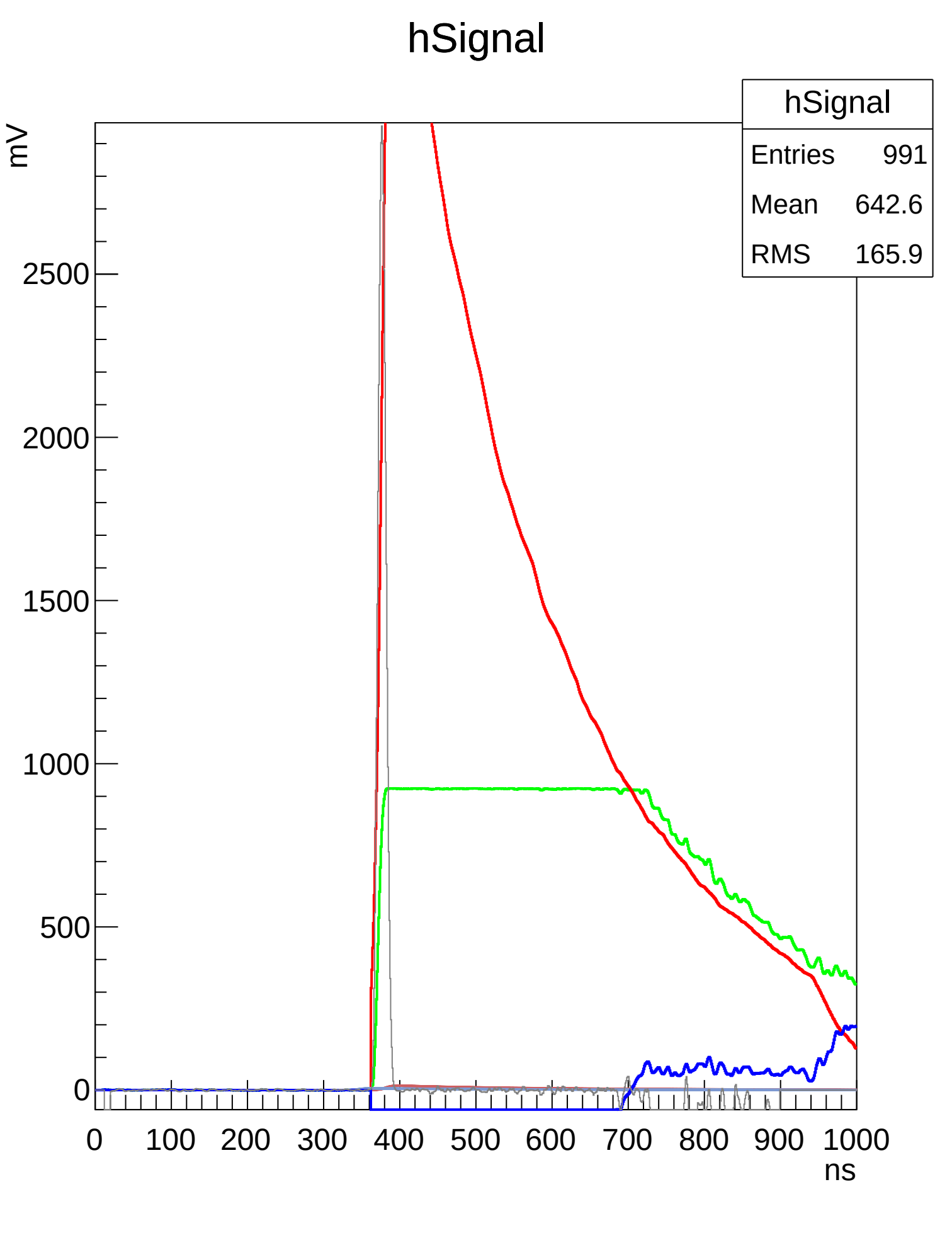

hSignal
hSignal
Entries 991
Mean 616.9
RMS 155.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

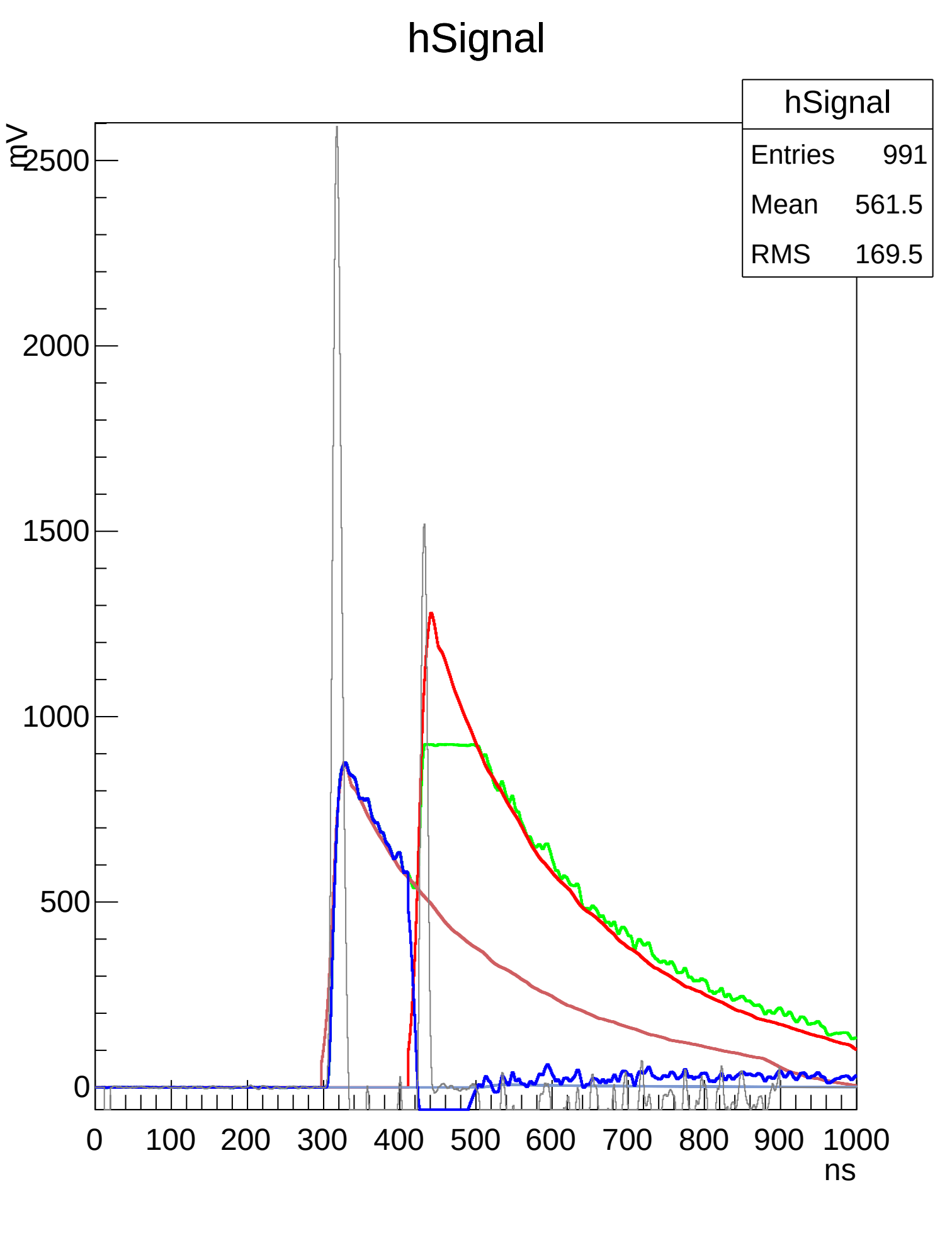

hSignal
hSignal
Entries 991
Mean 608.7
RMS 153.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

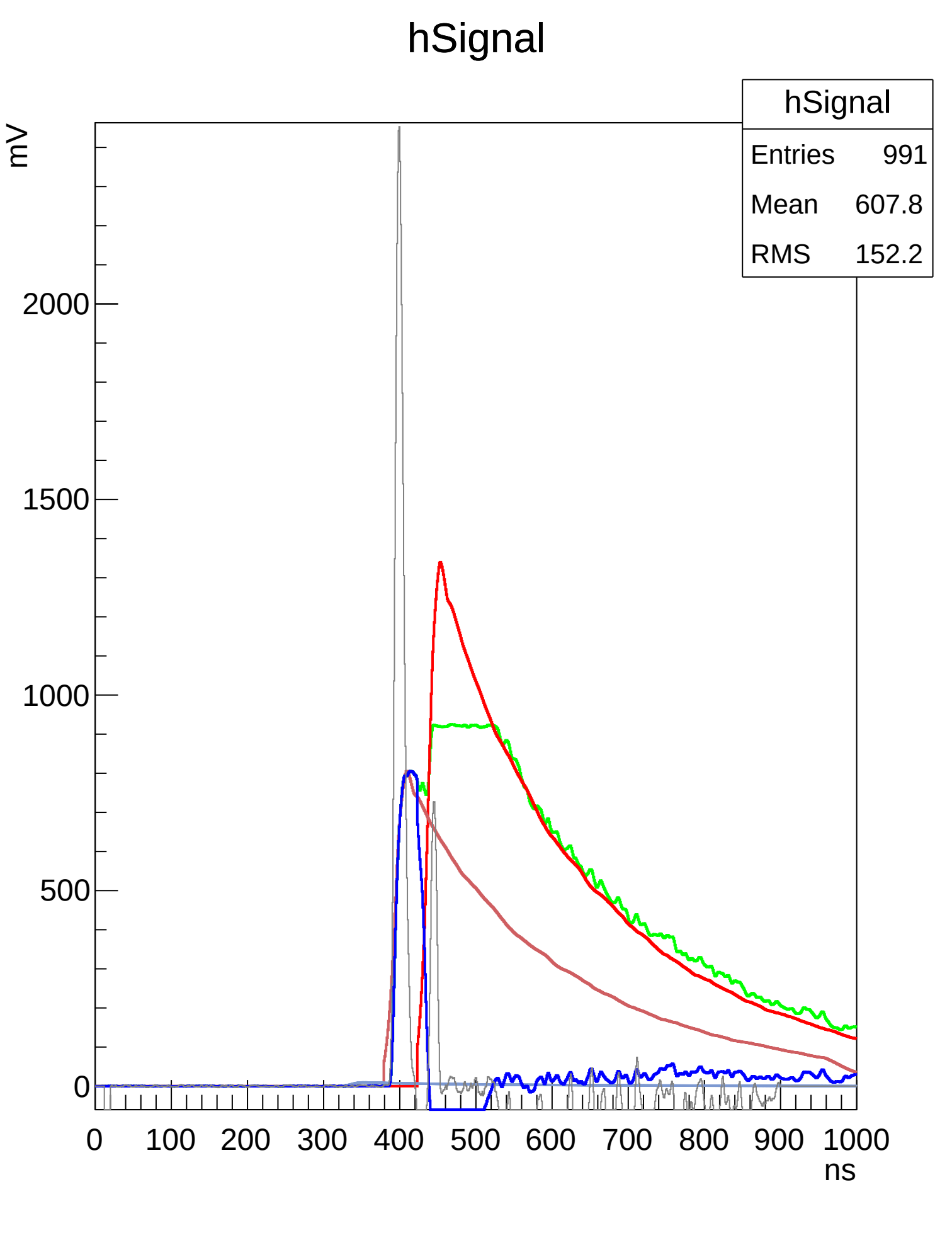

hSignal
hSignal
Entries 991
Mean 534
RMS 175.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

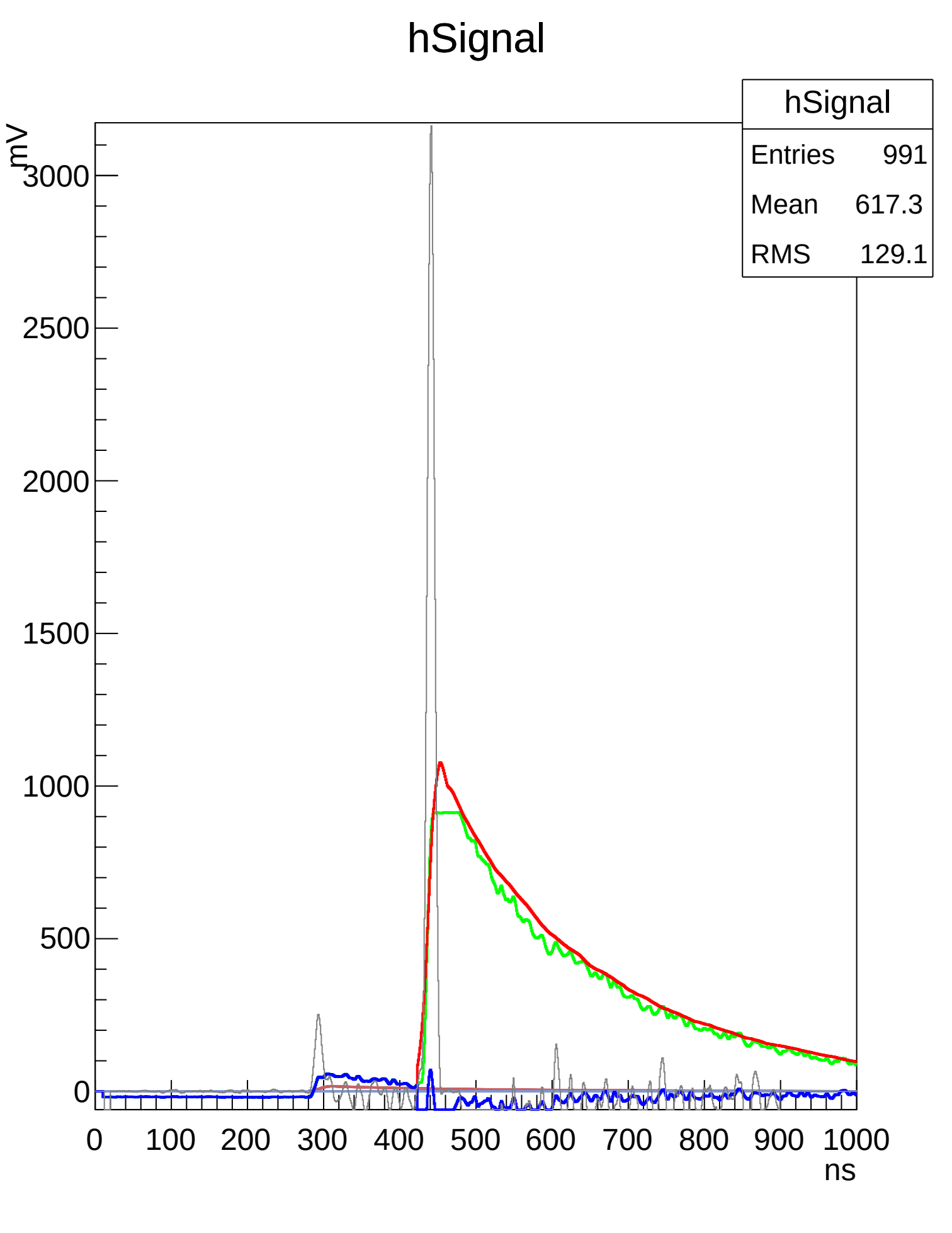

hSignal
hSignal
Entries 991
Mean 630
RMS 145
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

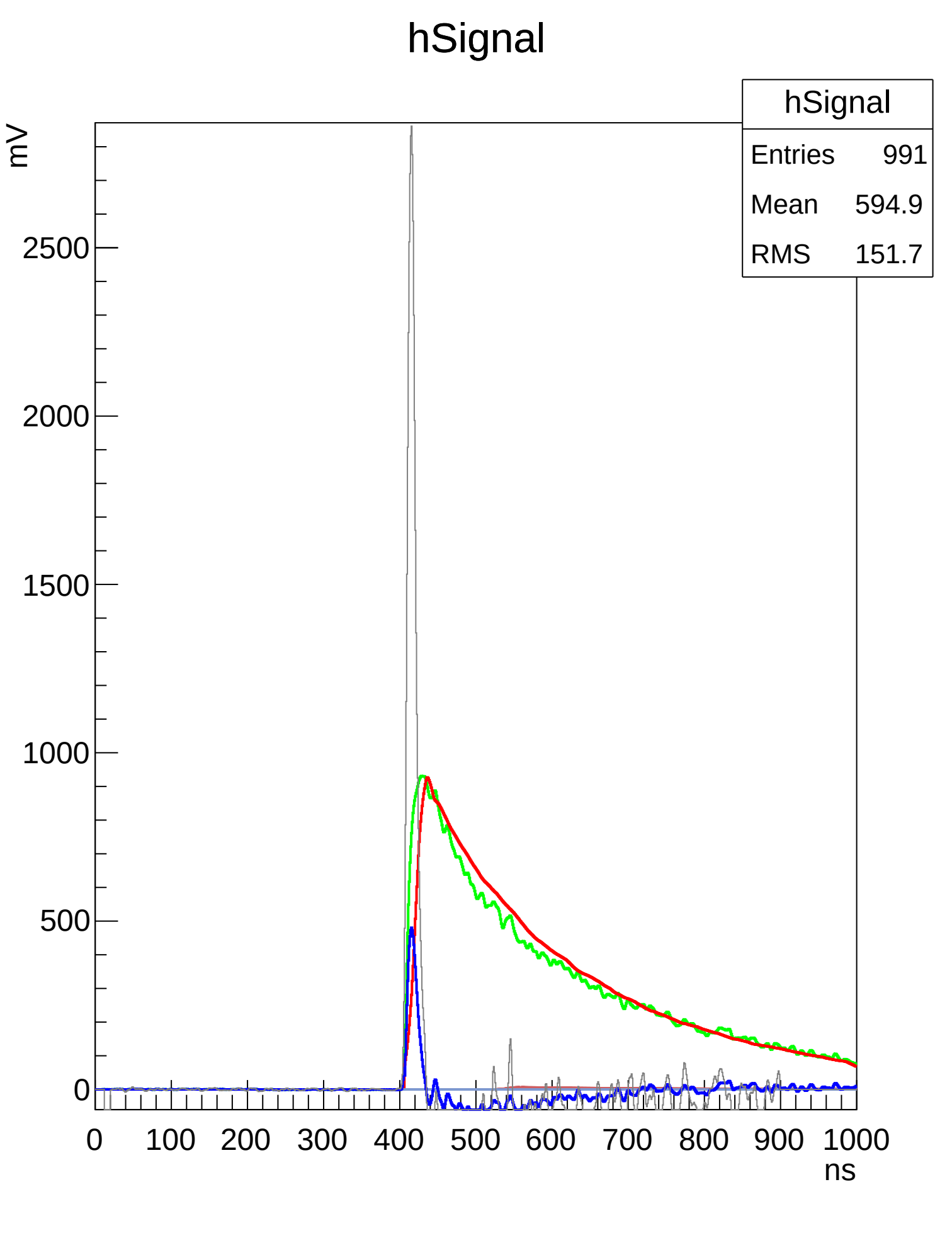

hSignal
hSignal
Entries 991
Mean 524.5
RMS 168.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

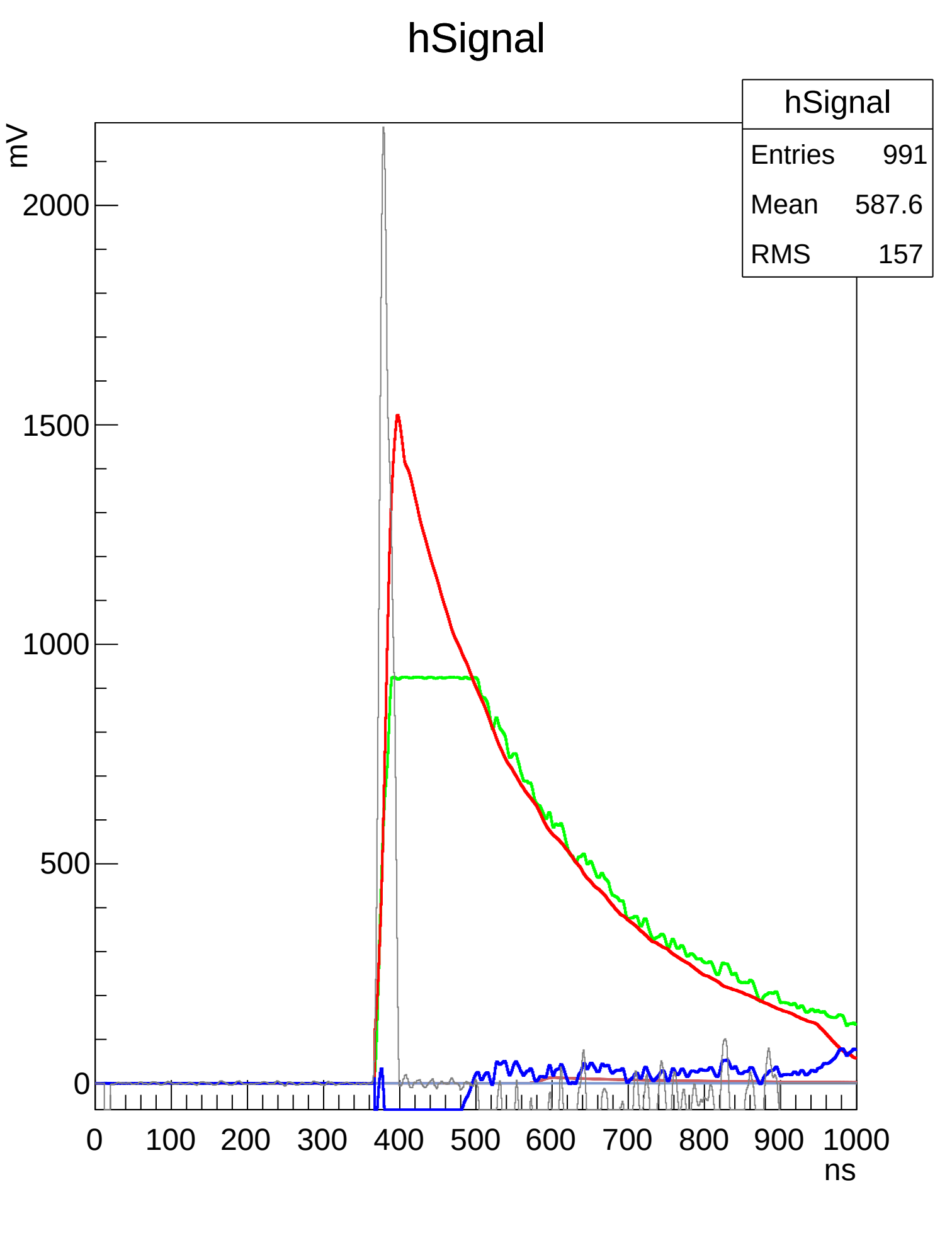

hSignal
hSignal
Entries 991
Mean 642.6
RMS 165.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

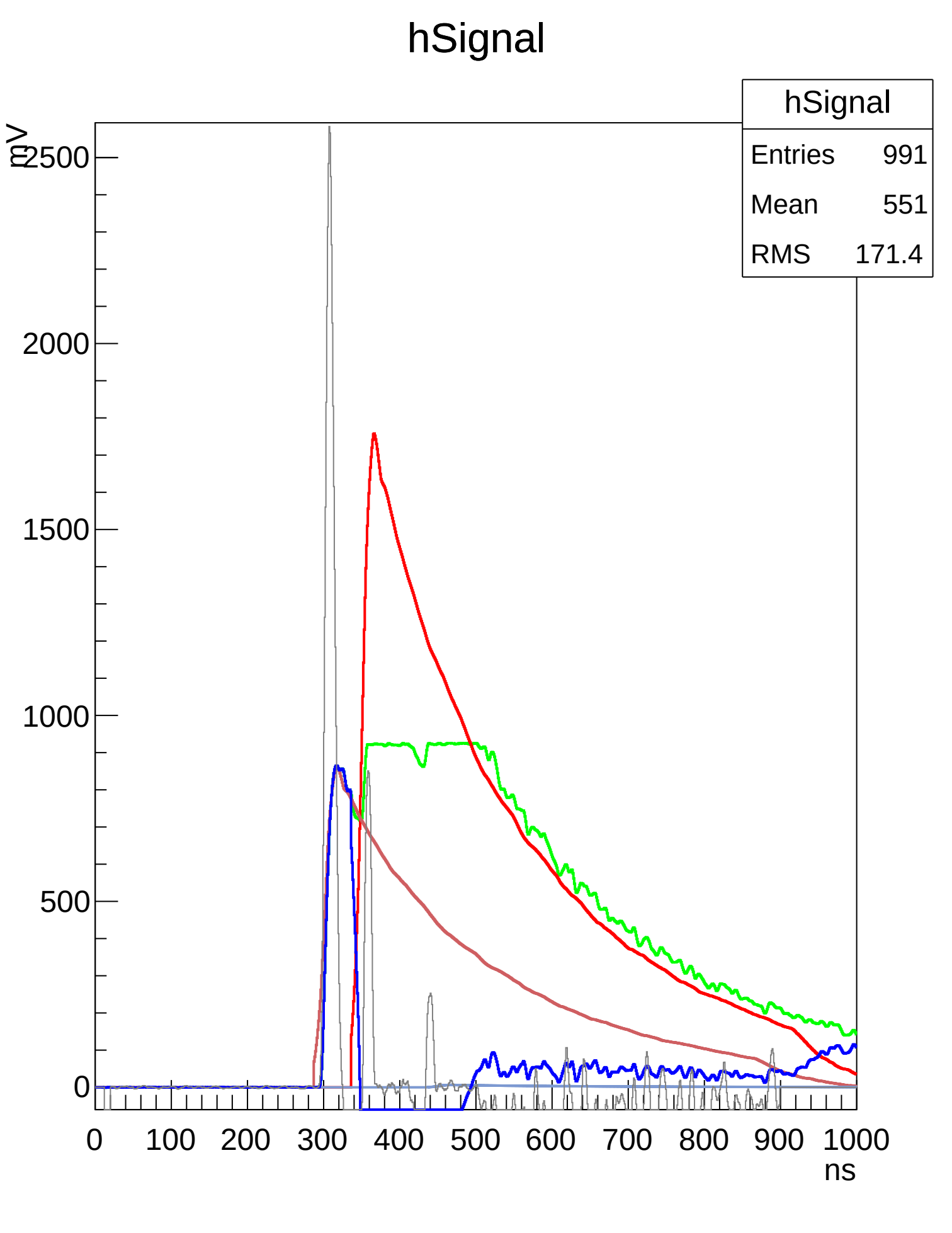

hSignal
hSignal
Entries 991
Mean 561.5
RMS 169.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

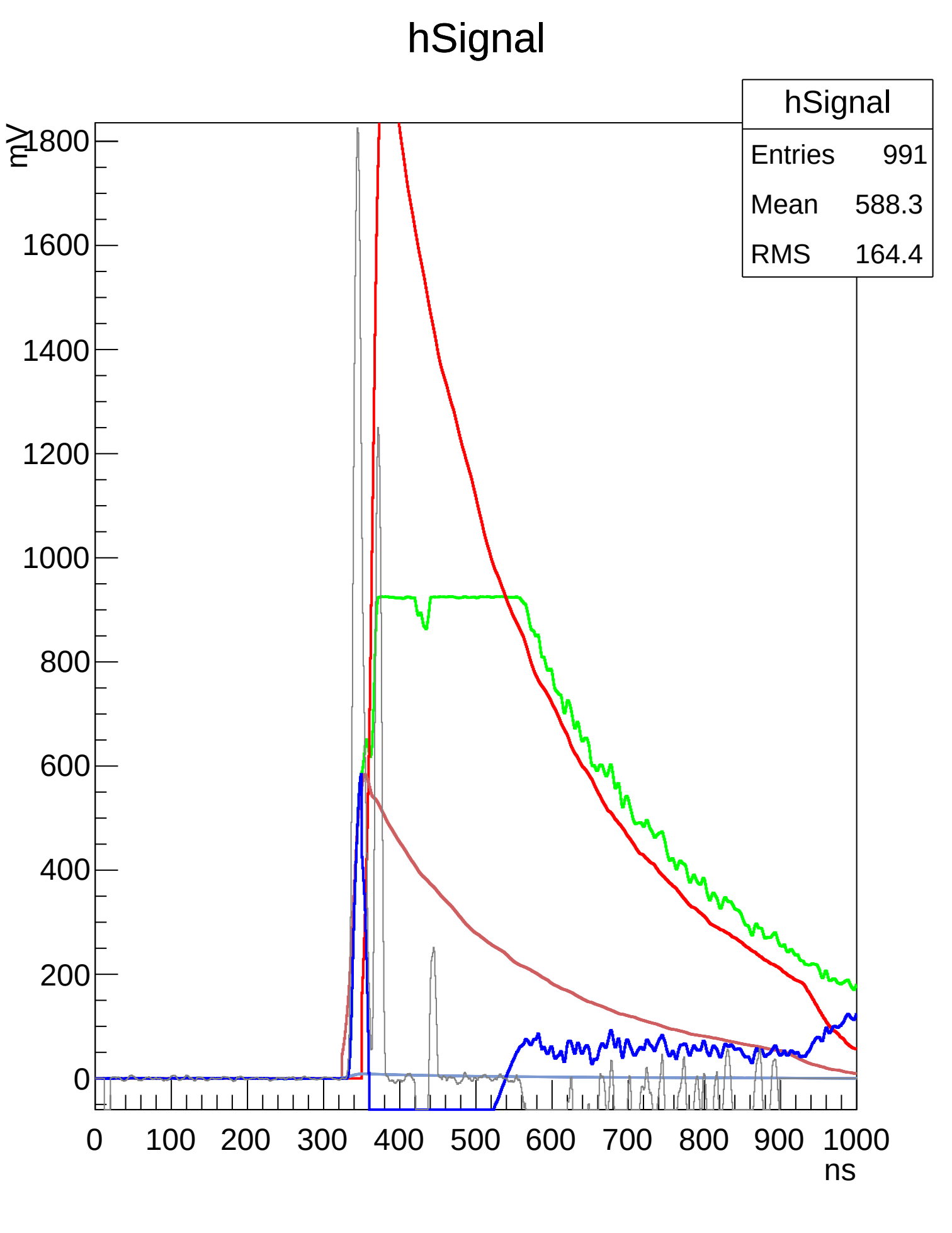

hSignal
hSignal
Entries 991
Mean 607.8
RMS 152.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

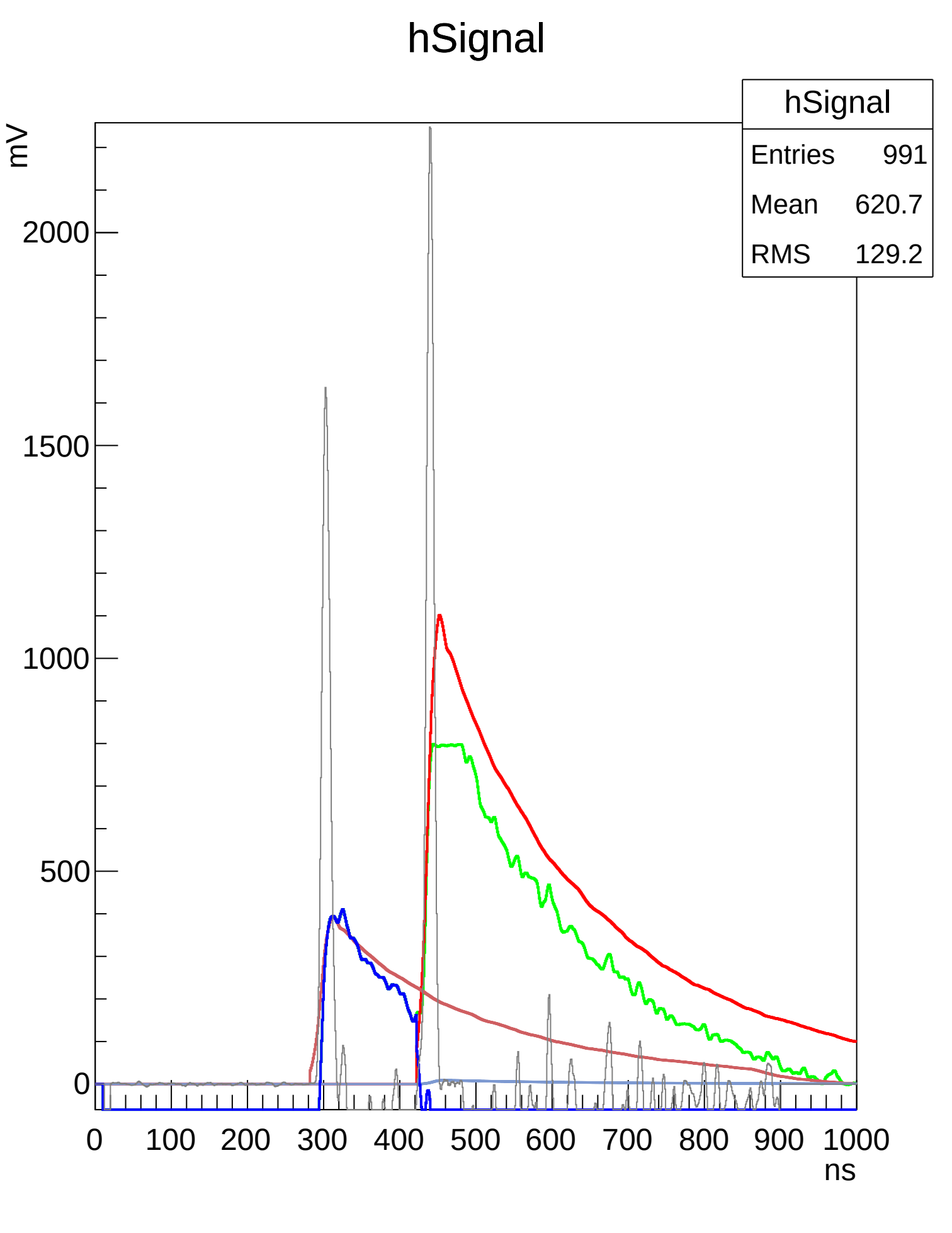

hSignal
hSignal
Entries 991
Mean 617.3
RMS 129.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

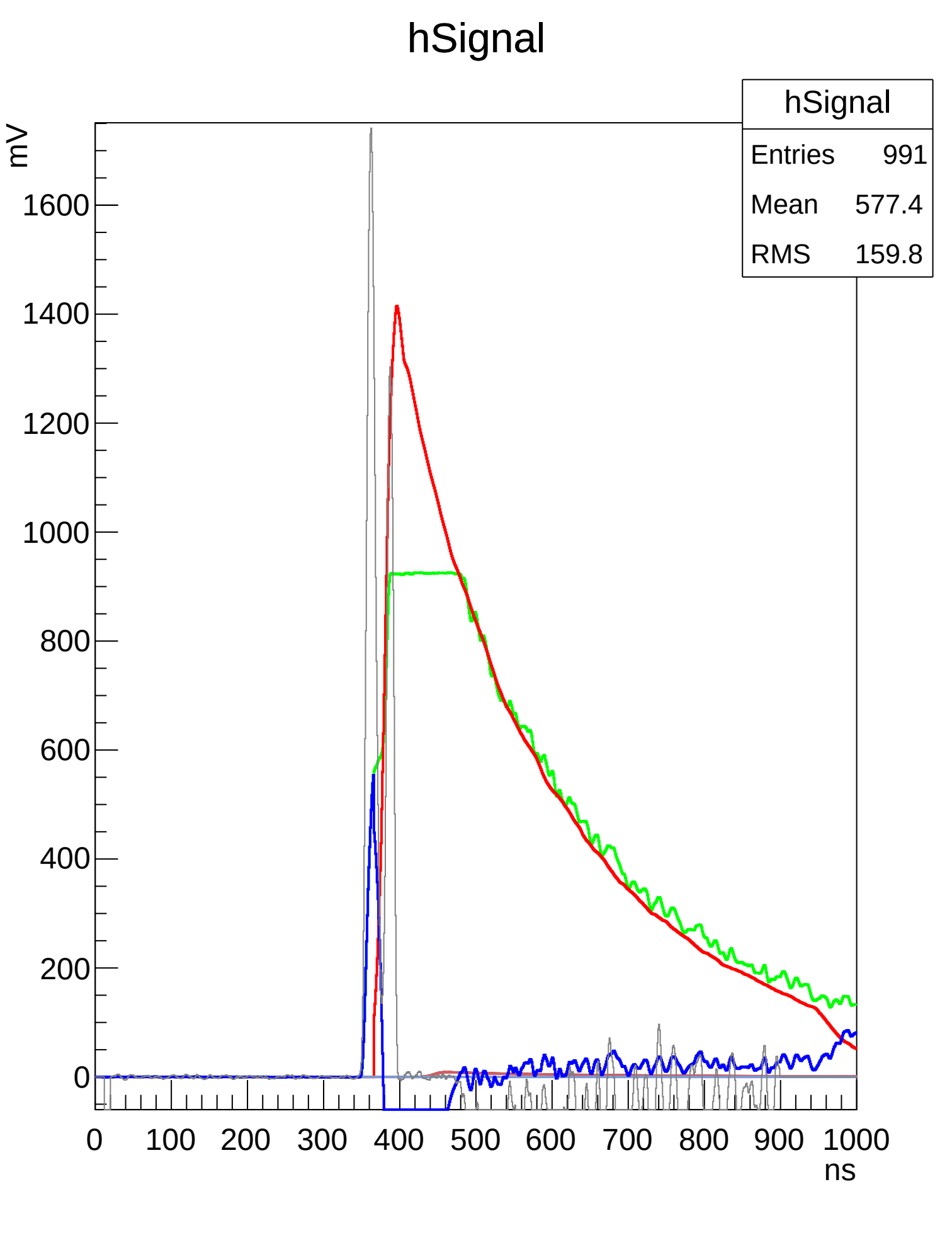

hSignal
hSignal
Entries 991
Mean 594.9
RMS 151.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

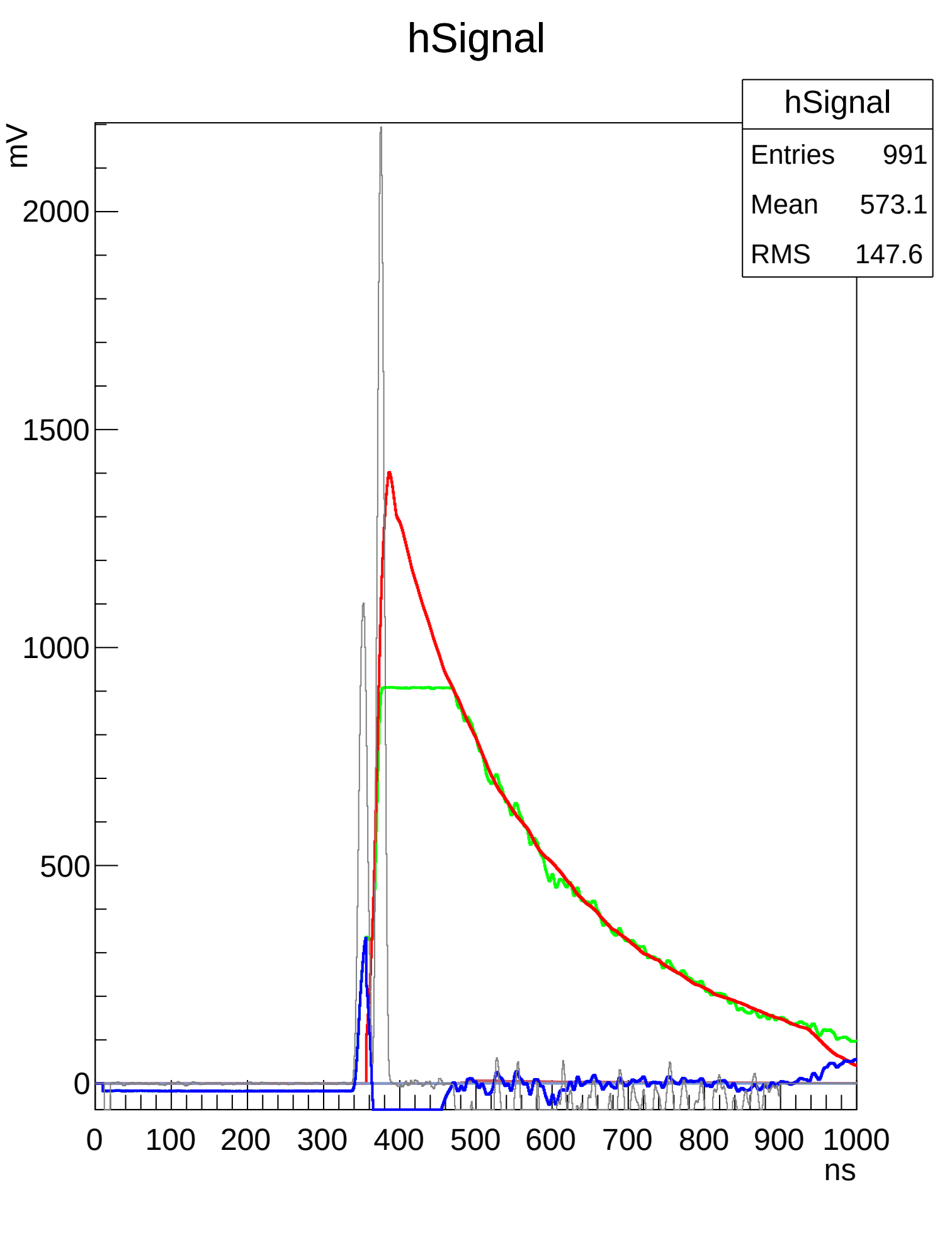

hSignal
hSignal
Entries 991
Mean 587.6
RMS 157
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

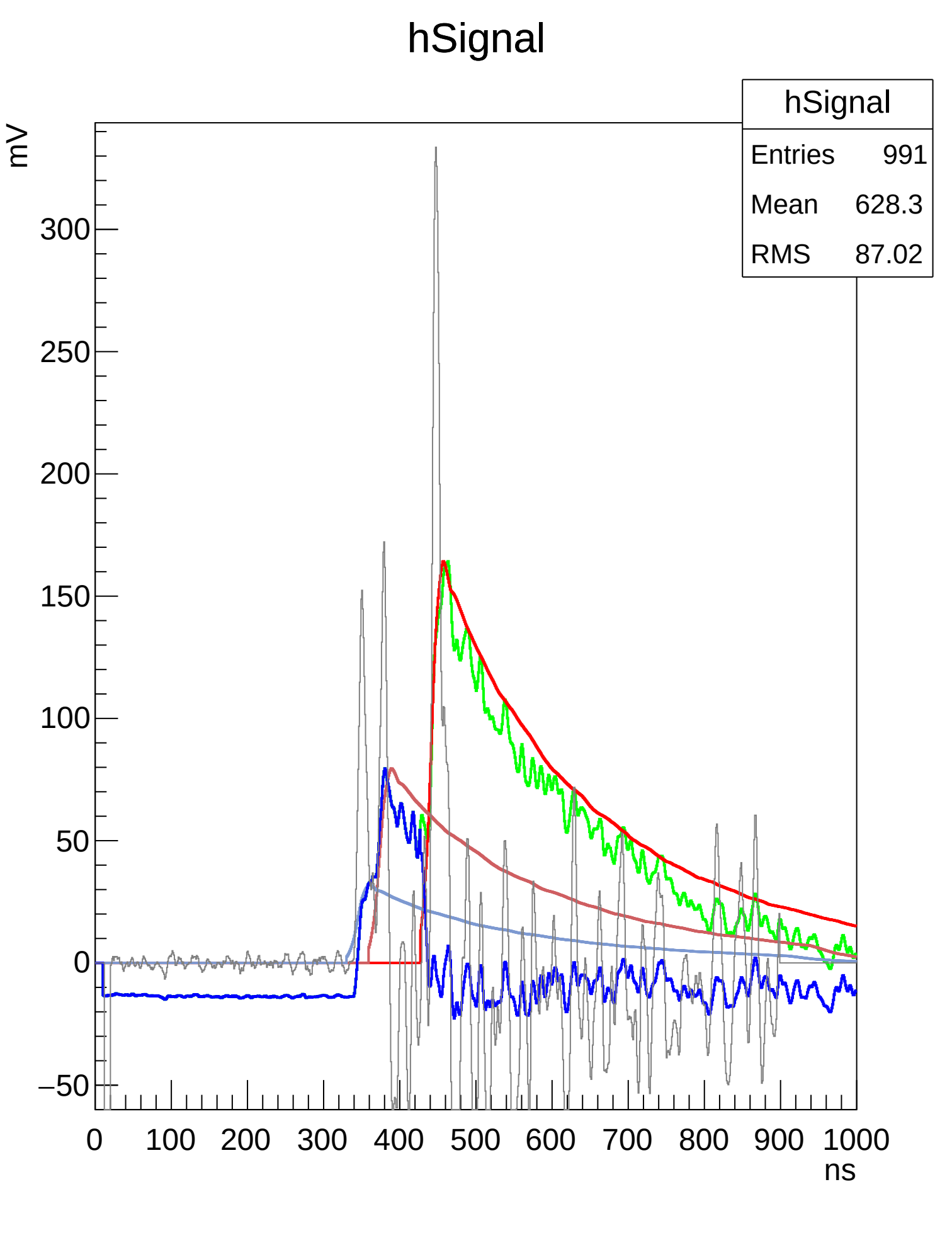

hSignal
hSignal
Entries 991
Mean 551
RMS 171.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

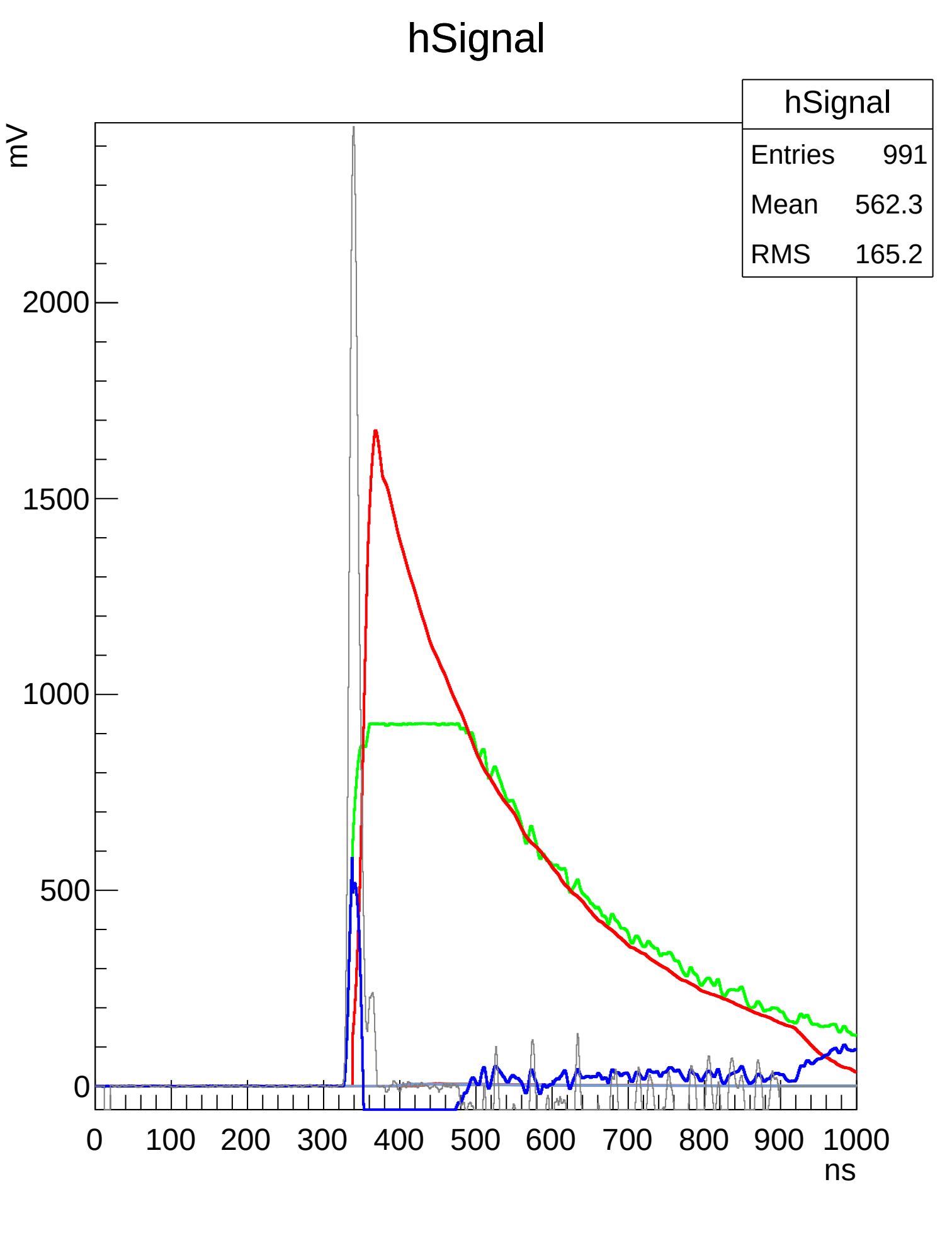

hSignal
hSignal
Entries 991
Mean 588.3
RMS 164.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

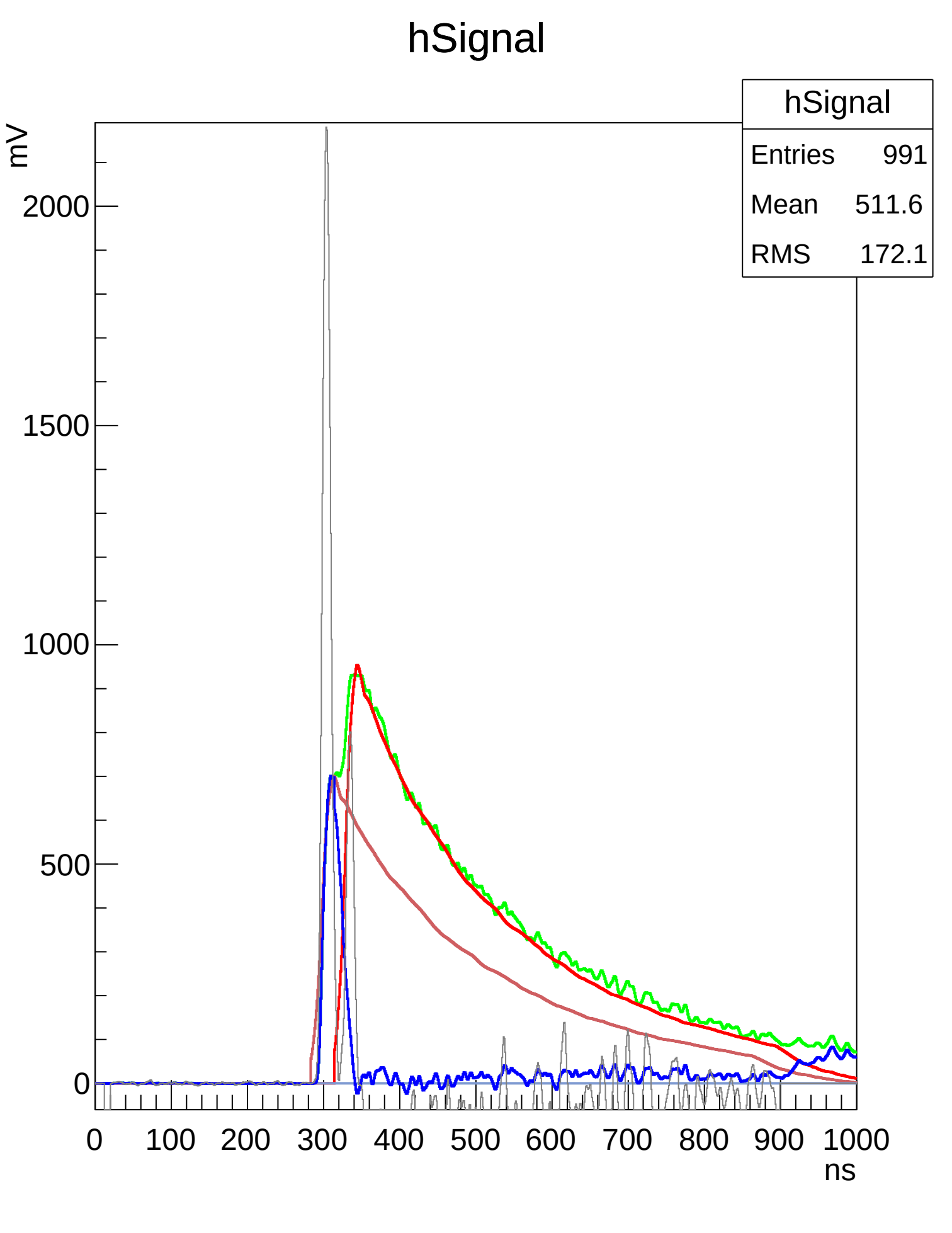

hSignal
hSignal
Entries 991
Mean 620.7
RMS 129.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

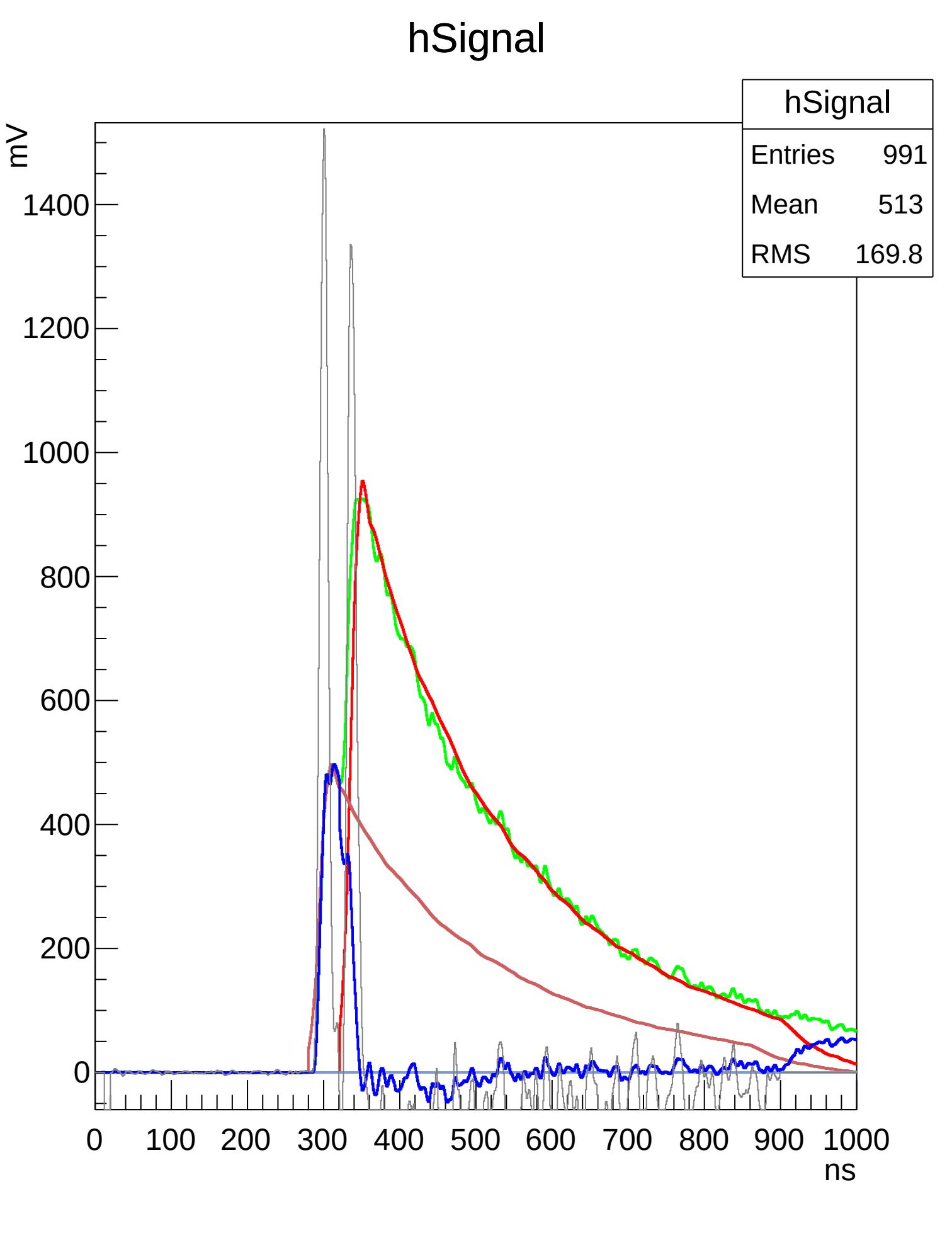

hSignal
hSignal
Entries 991
Mean 577.4
RMS 159.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

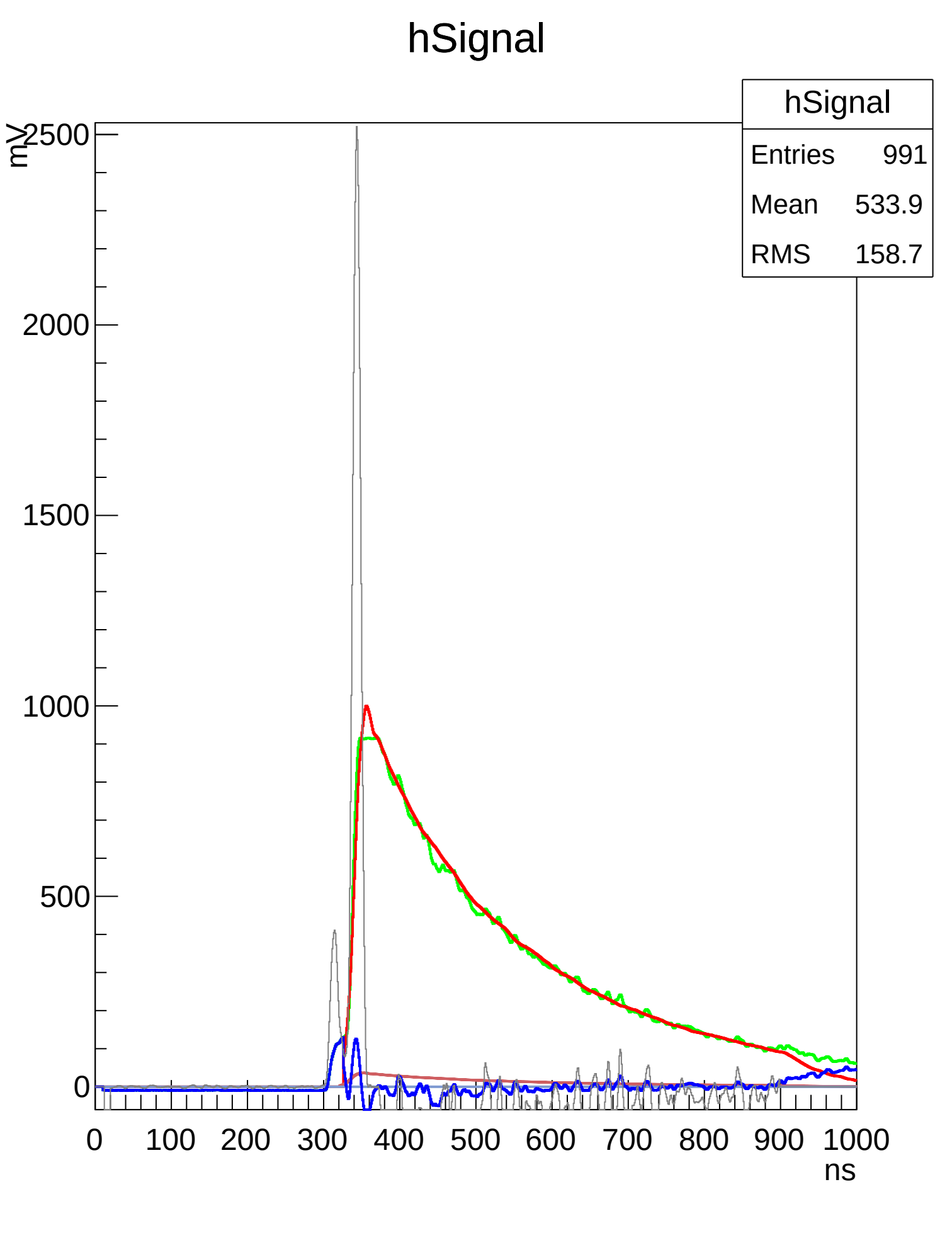

hSignal
hSignal
Entries 991
Mean 573.1
RMS 147.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

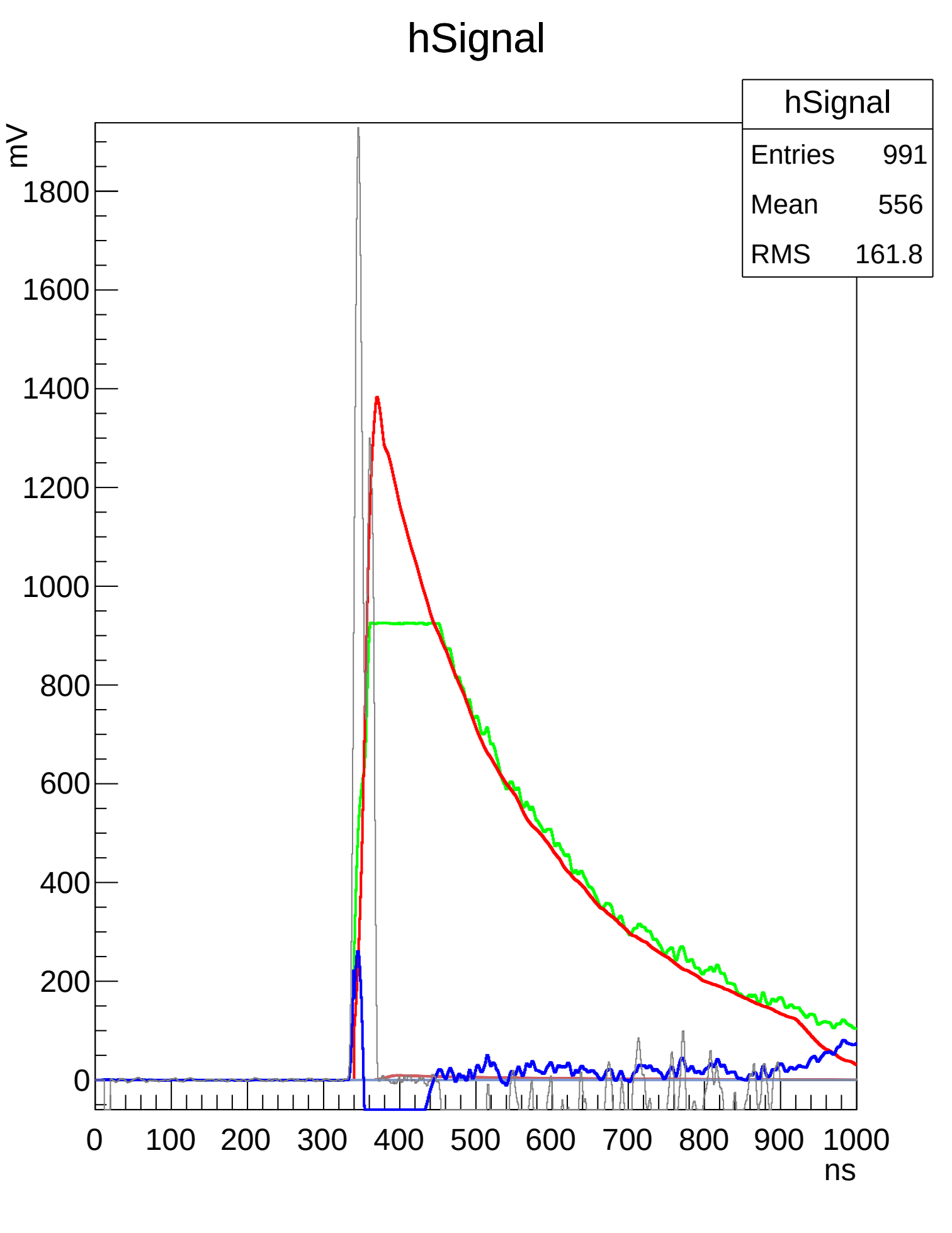

hSignal
hSignal
Entries 991
Mean 628.3
RMS 87.02
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

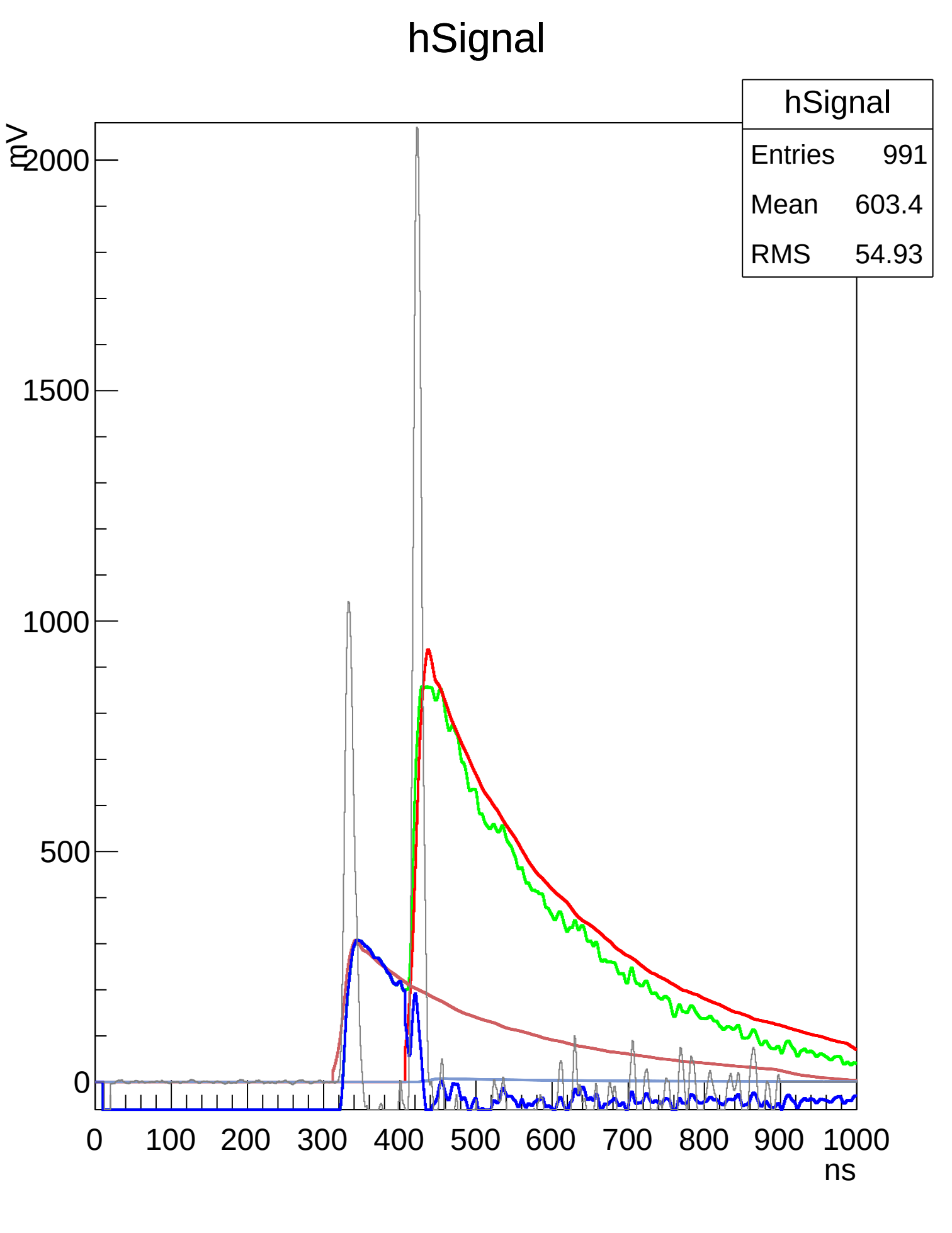

hSignal
hSignal
Entries 991
Mean 562.3
RMS 165.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

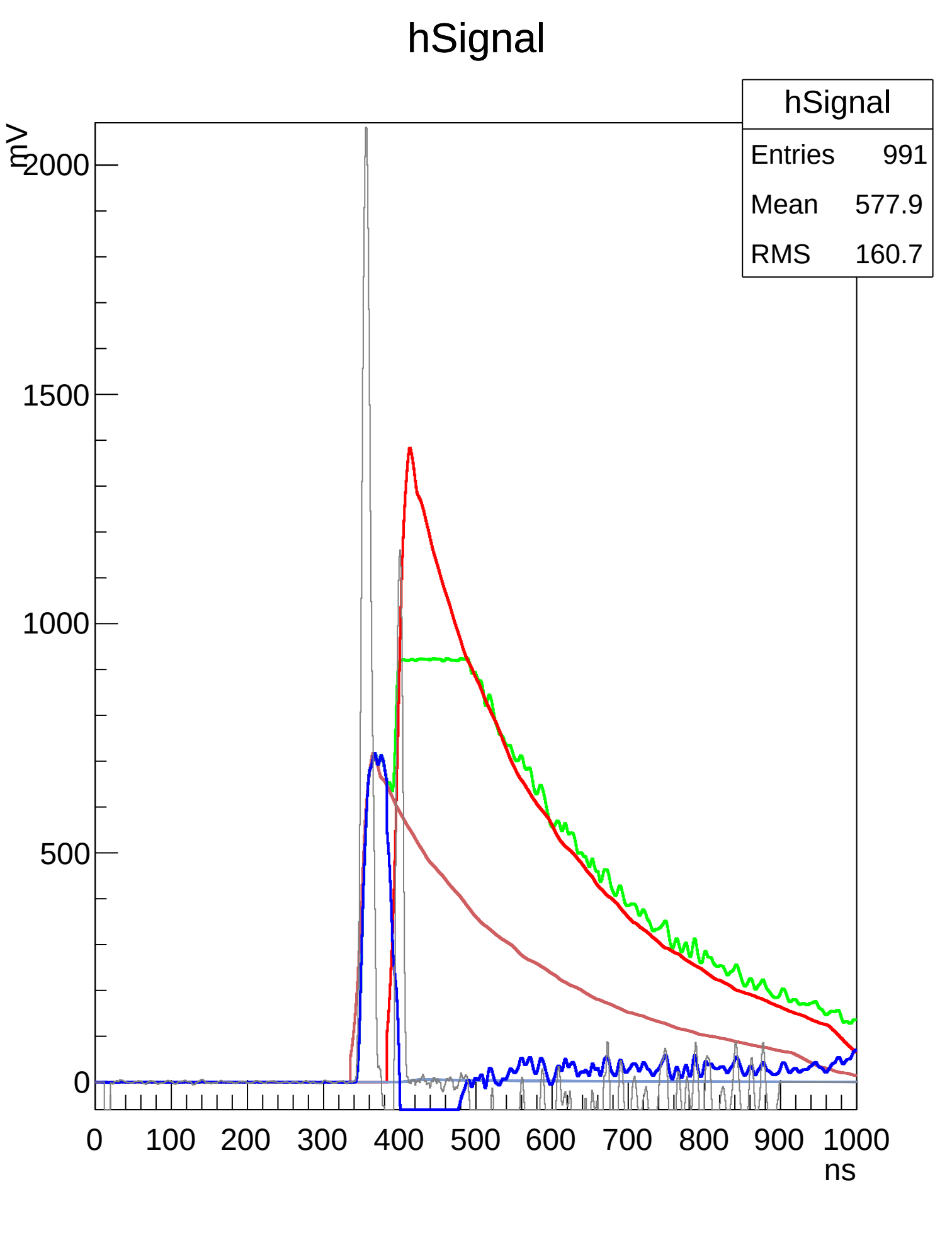

hSignal
hSignal
Entries 991
Mean 511.6
RMS 172.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

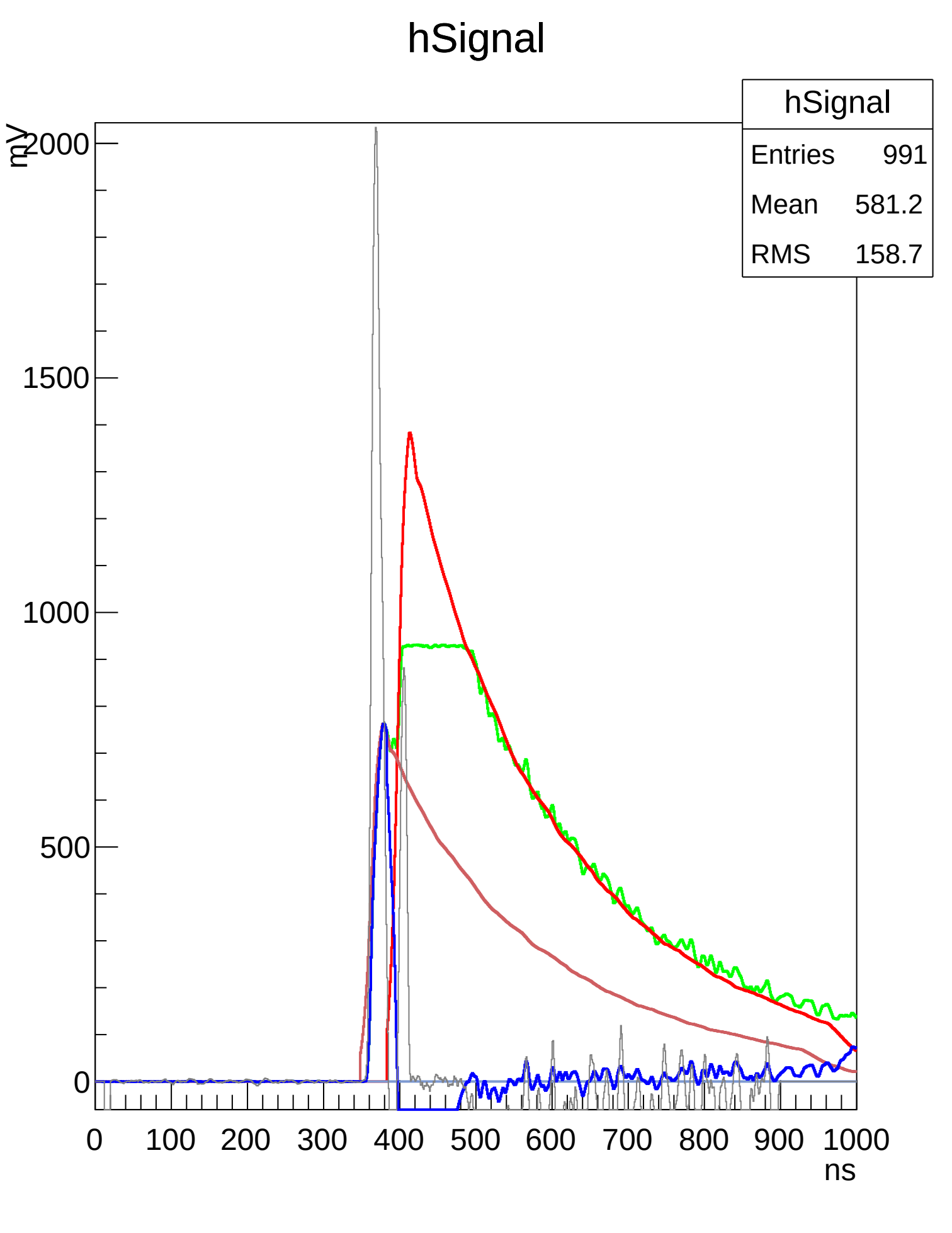

hSignal
hSignal
Entries 991
Mean 513
RMS 169.8
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

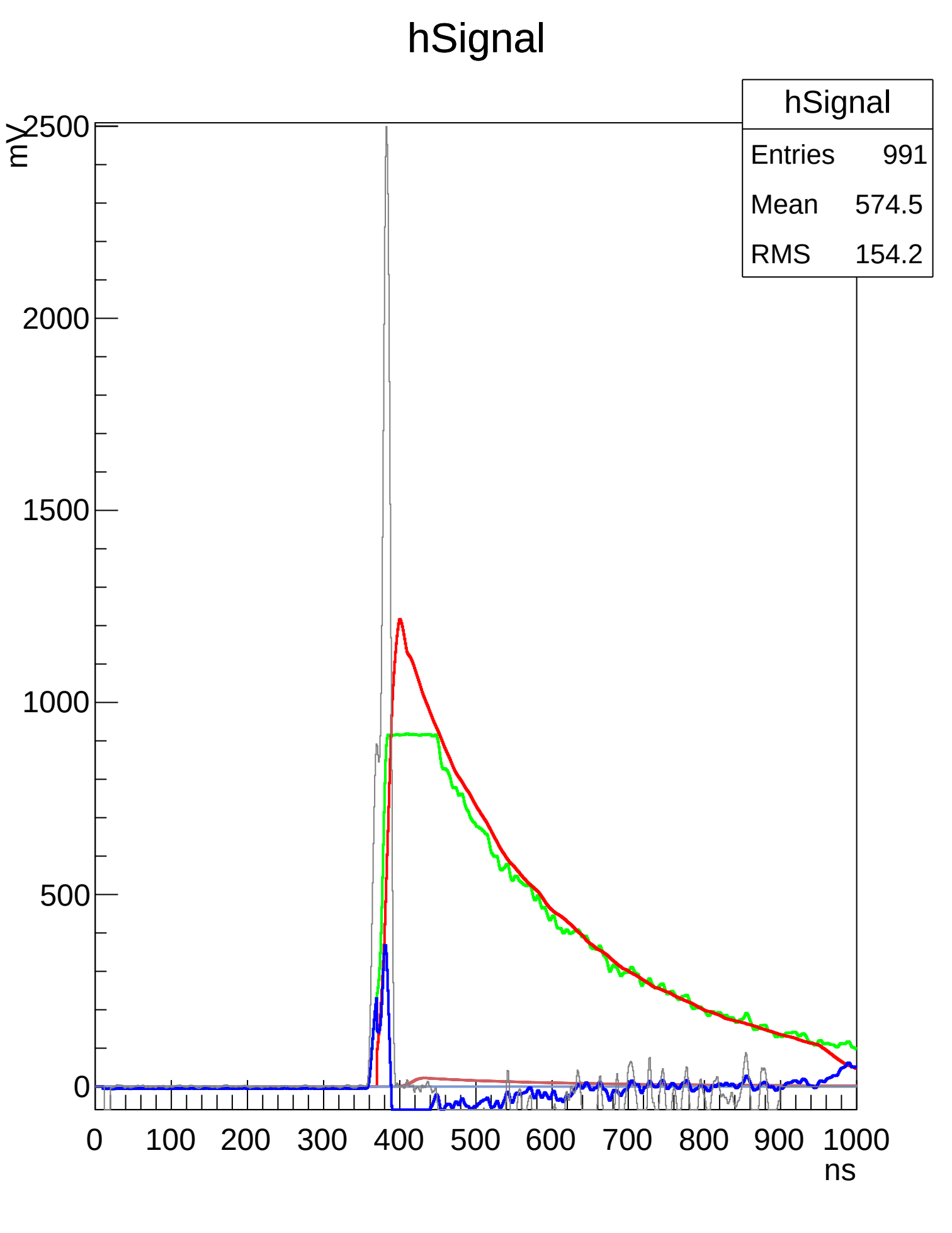

hSignal
hSignal
Entries 991
Mean 533.9
RMS 158.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

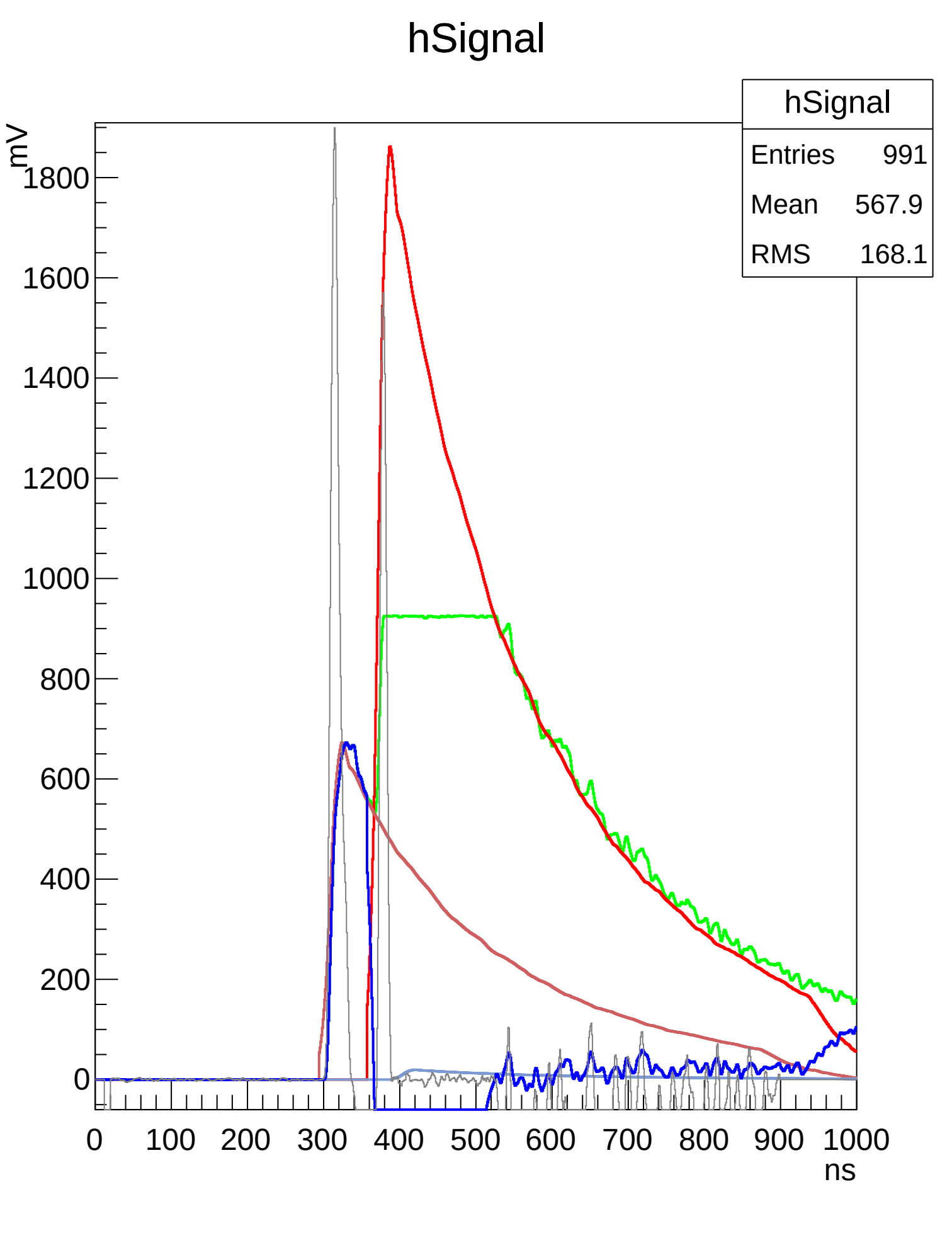

hSignal
hSignal
Entries 991
Mean 556
RMS 161.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

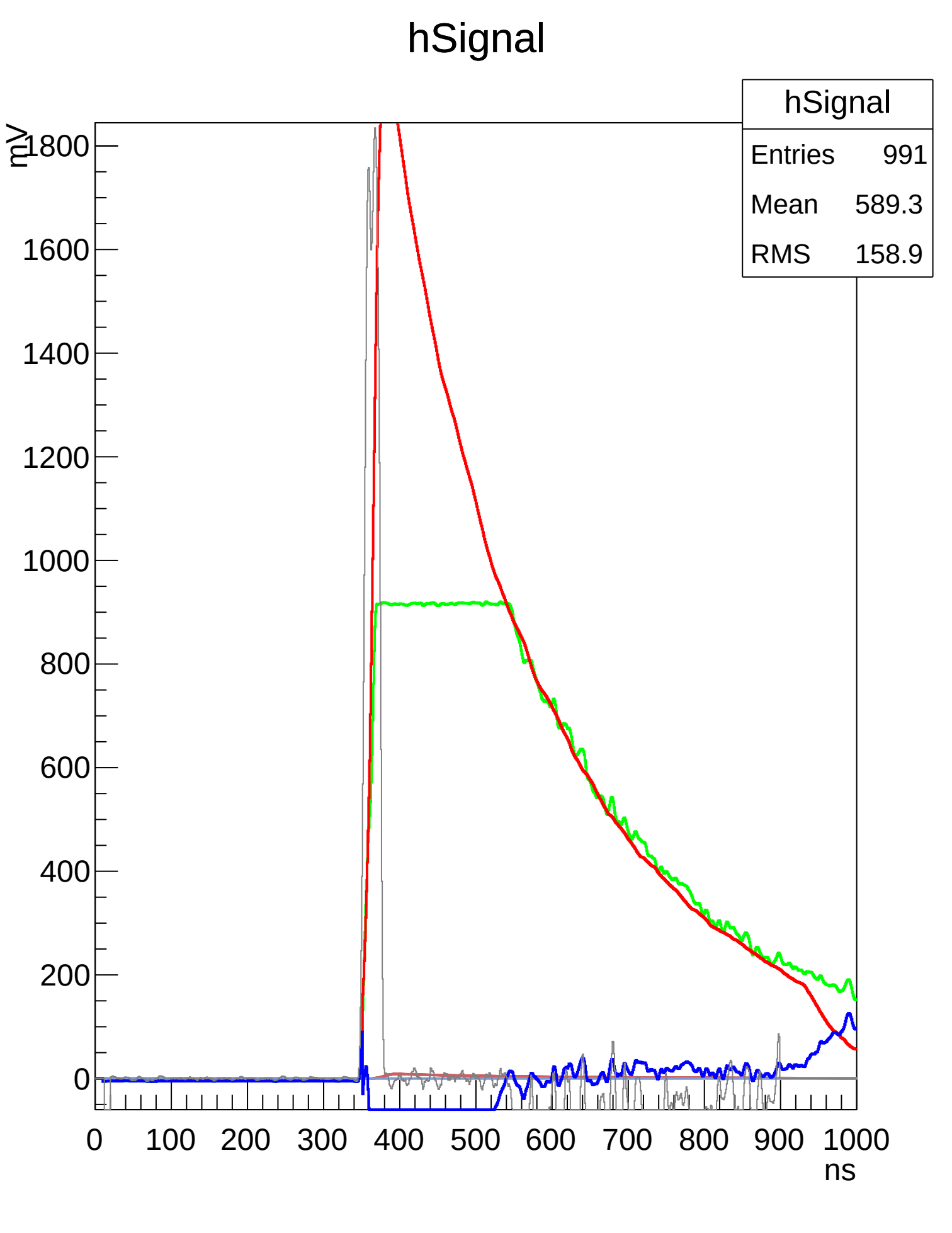

hSignal
hSignal
Entries 991
Mean 603.4
RMS 54.93
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

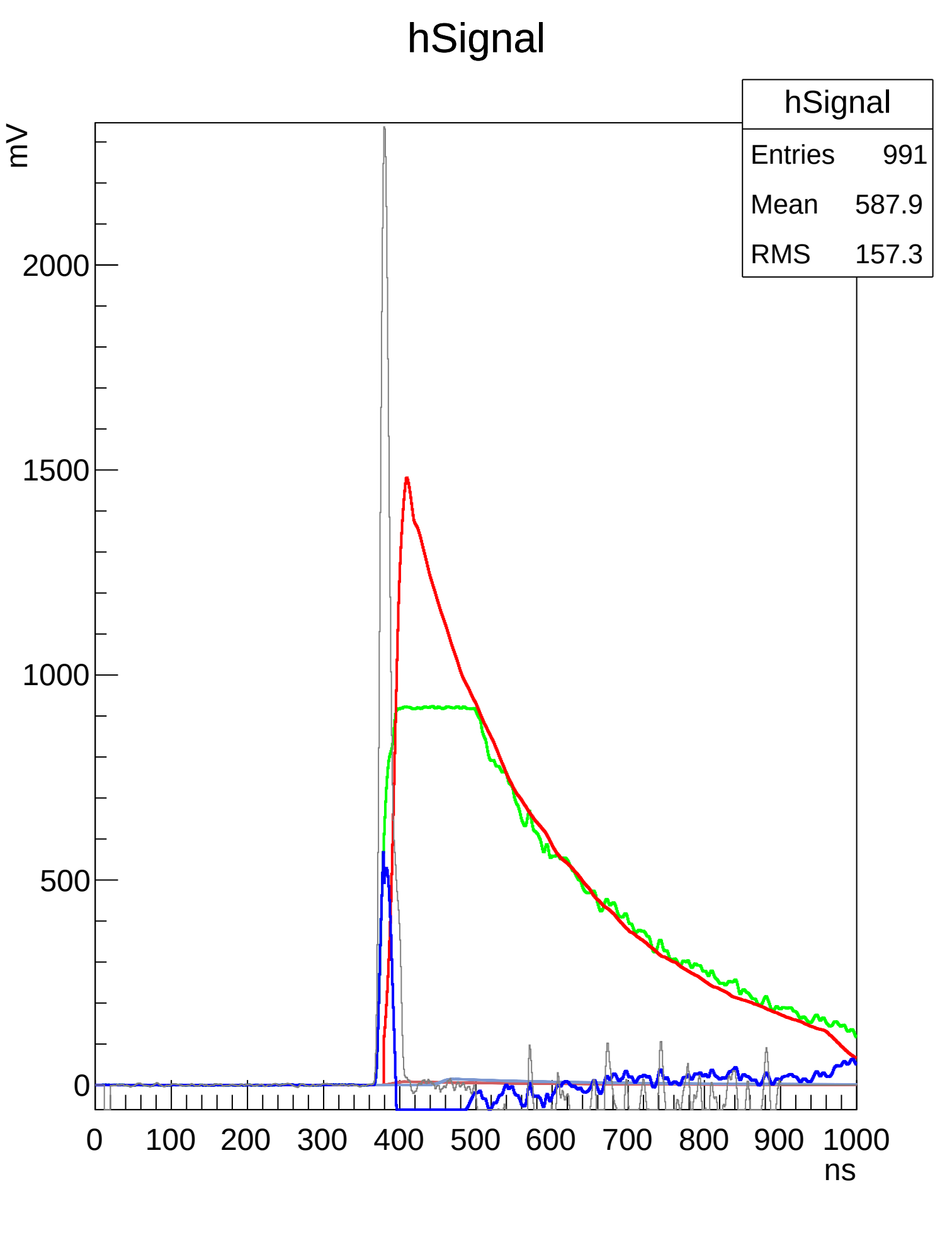

hSignal
hSignal
Entries 991
Mean 577.9
RMS 160.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

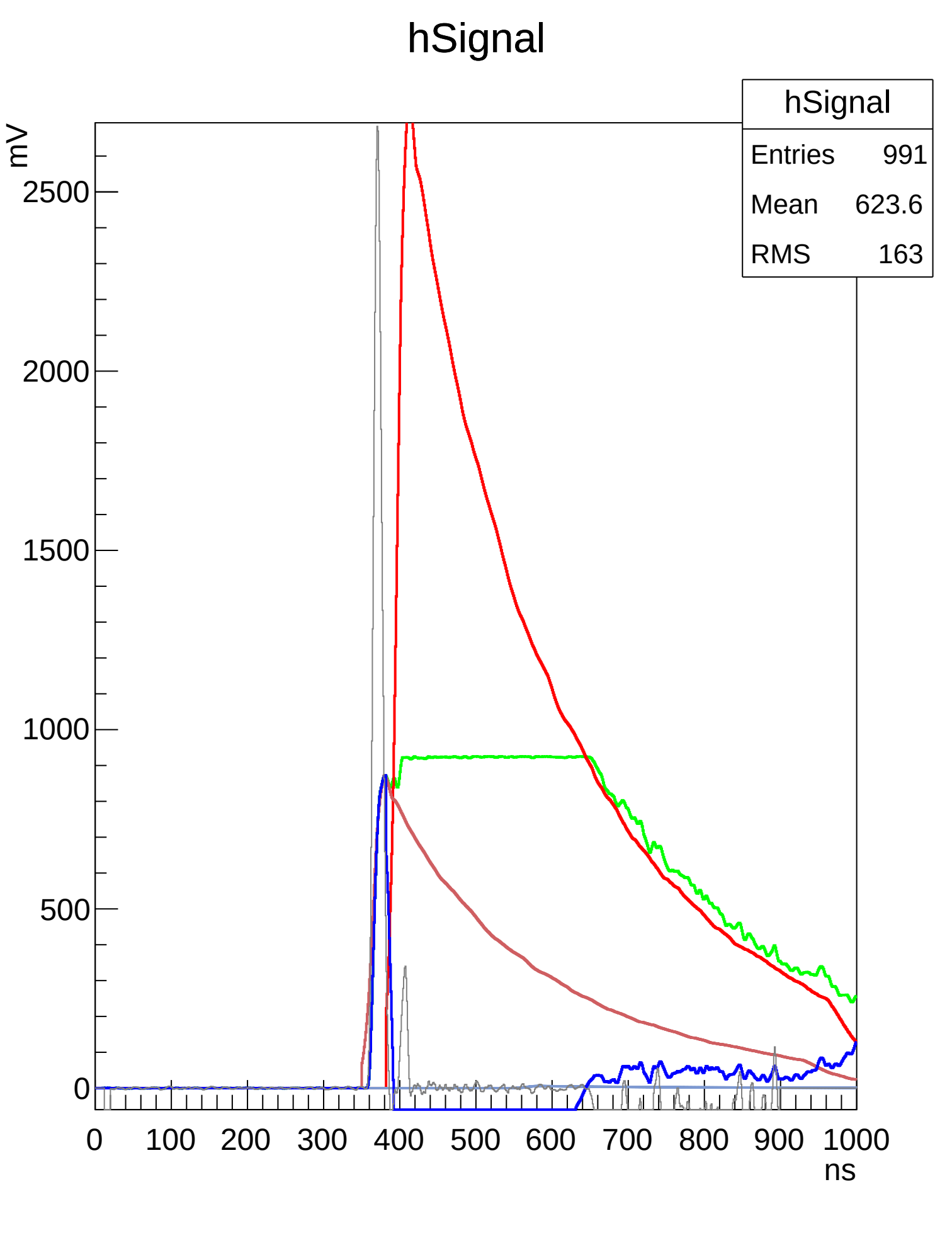

hSignal
hSignal
Entries 991
Mean 581.2
RMS 158.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

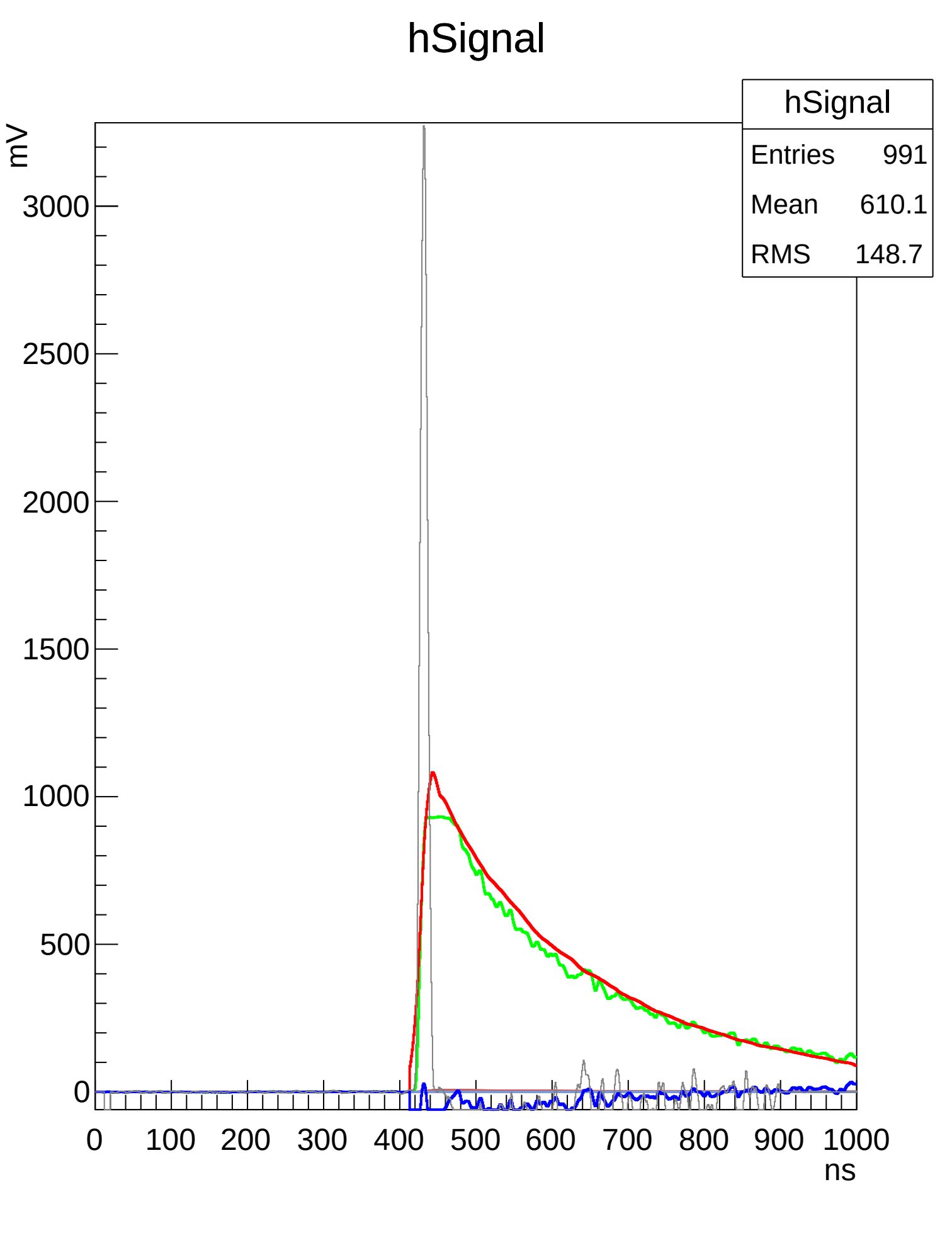

hSignal
hSignal
Entries 991
Mean 574.5
RMS 154.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

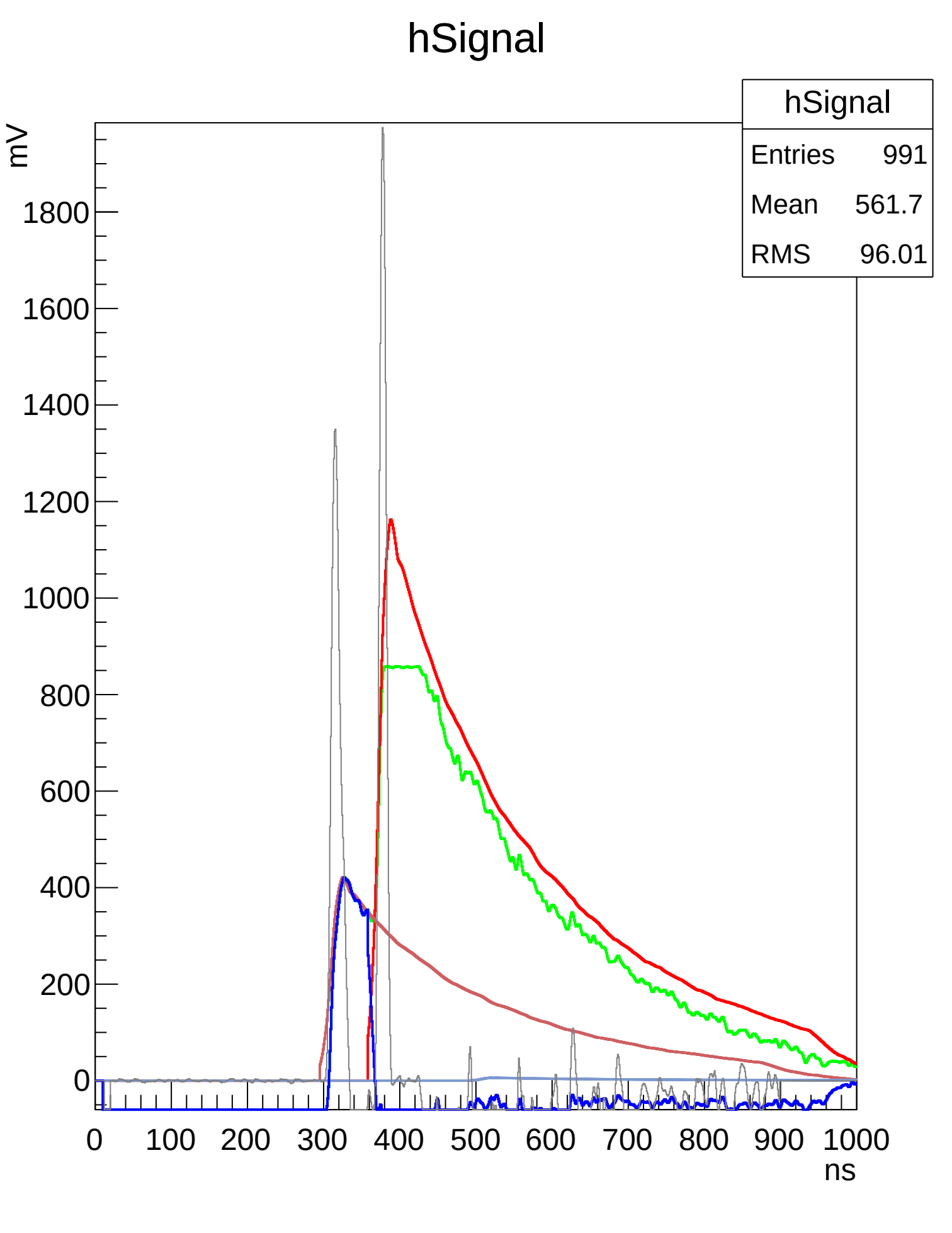

hSignal
hSignal
Entries 991
Mean 567.9
RMS 168.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

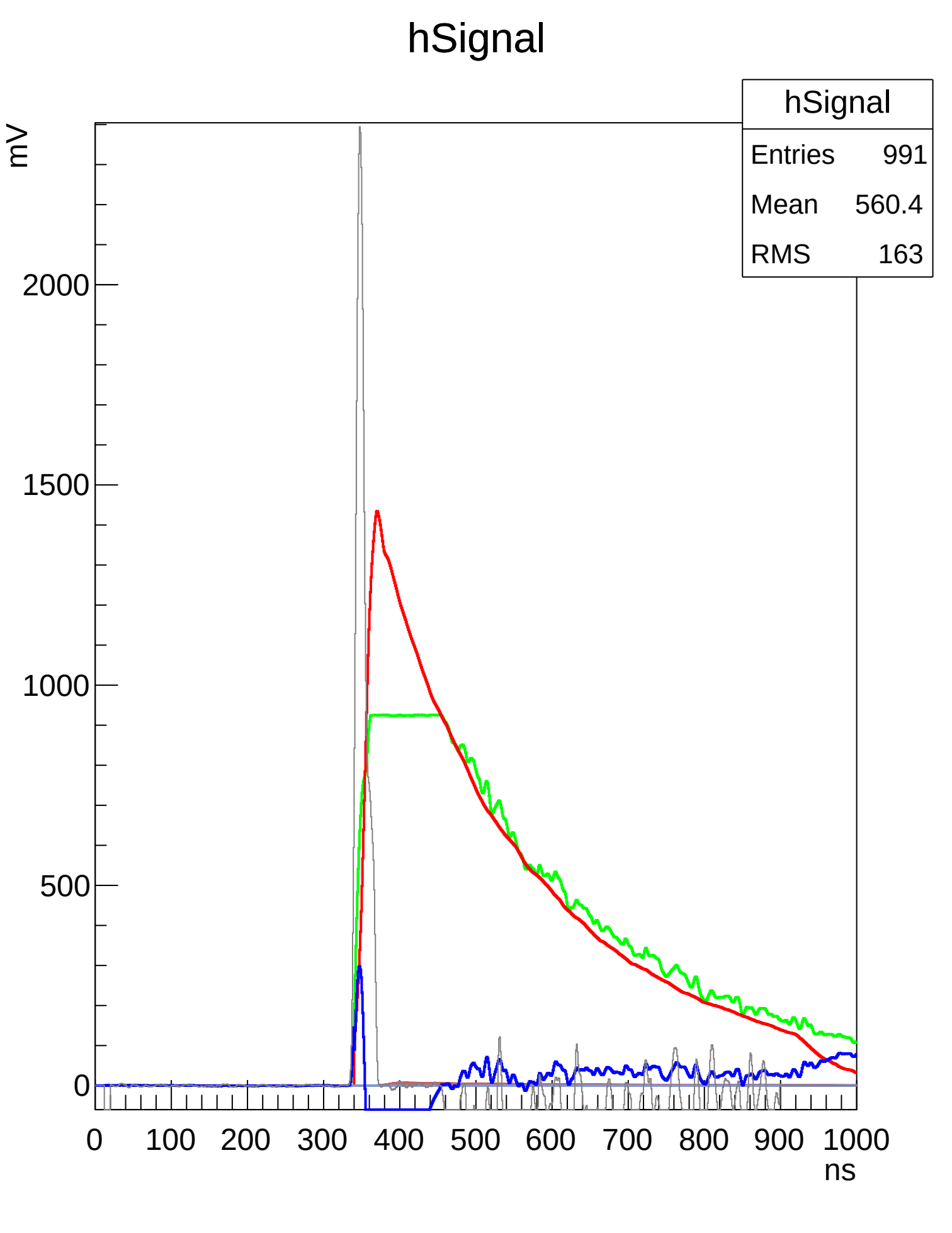

hSignal
hSignal
Entries 991
Mean 589.3
RMS 158.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

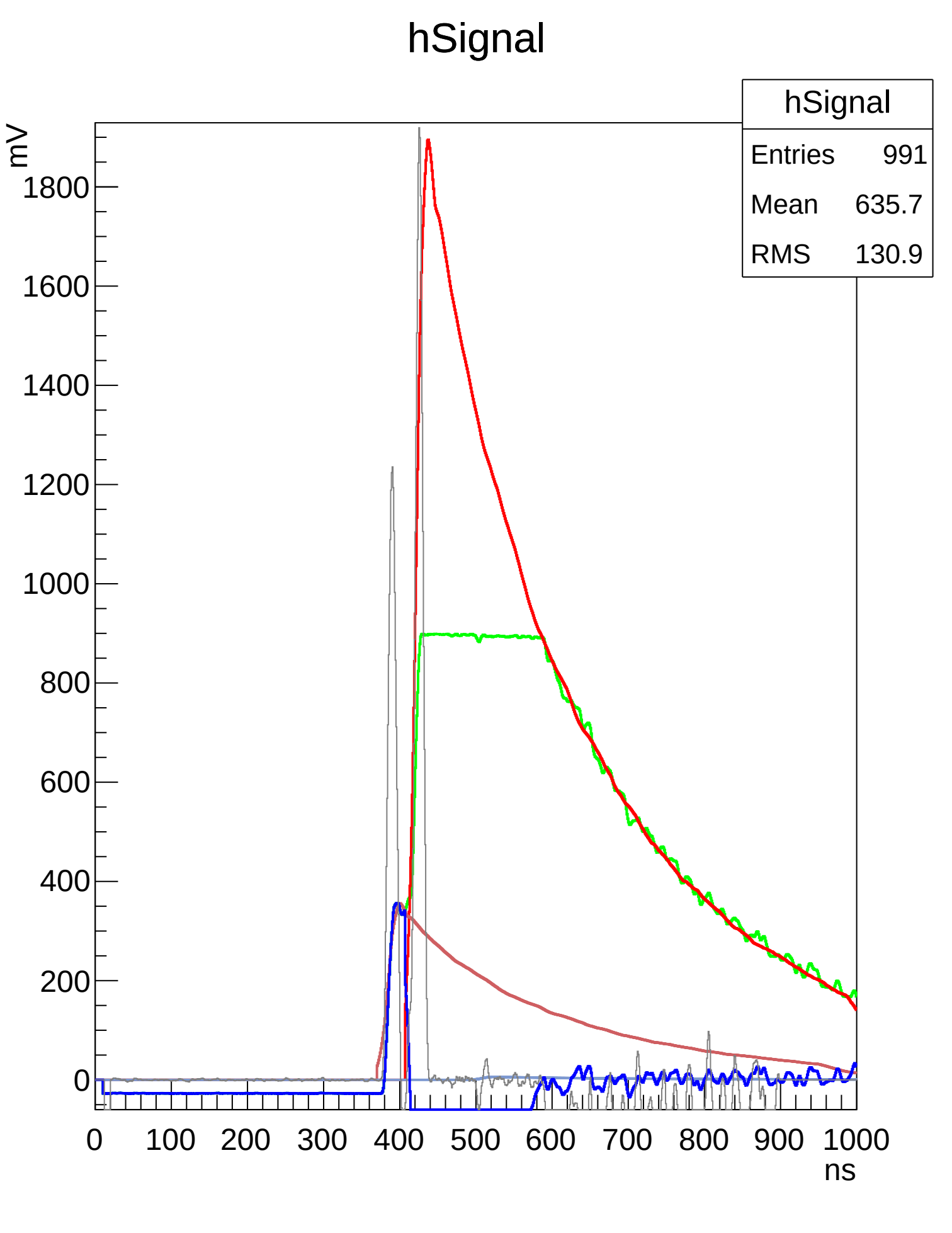

hSignal
hSignal
Entries 991
Mean 587.9
RMS 157.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

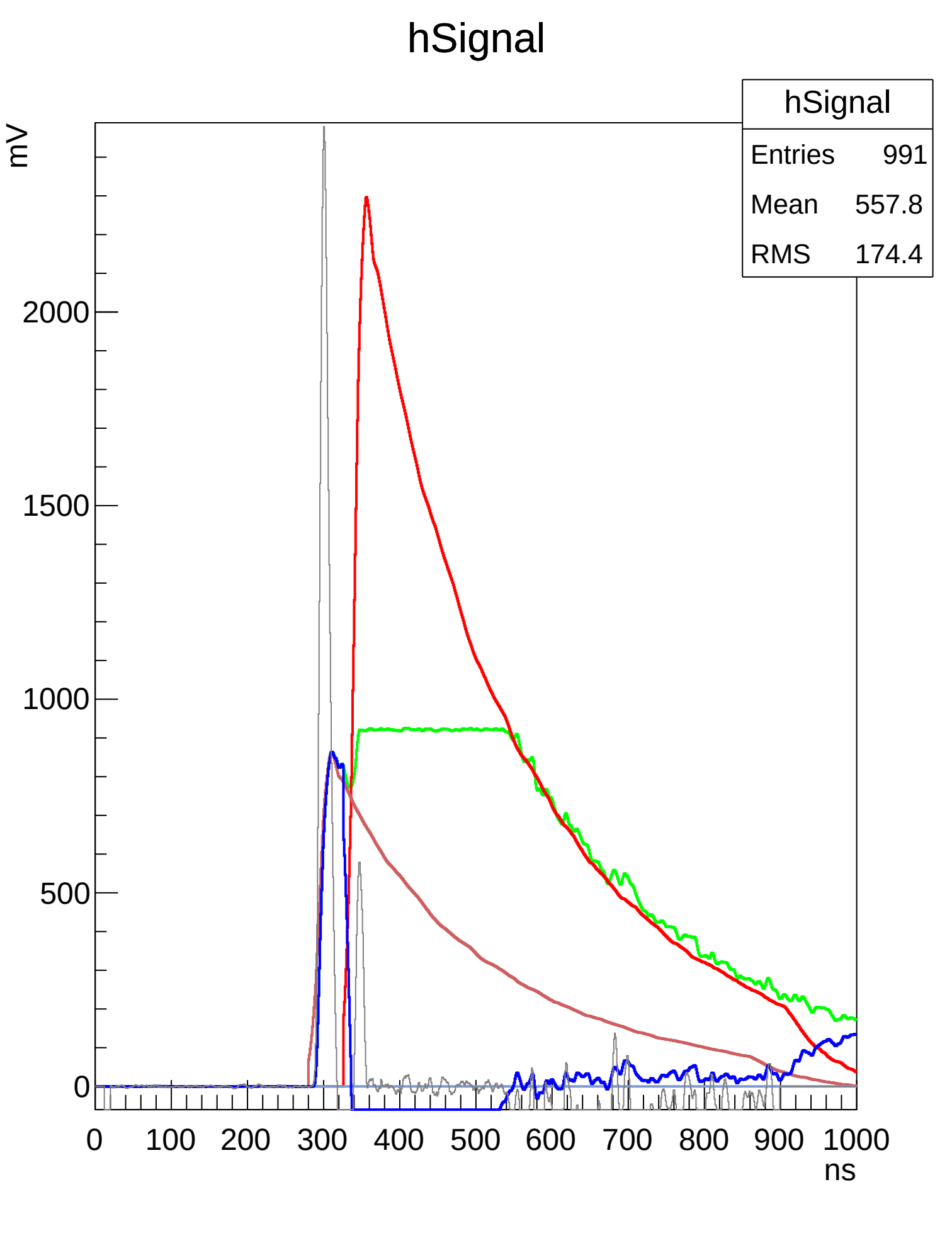

hSignal
hSignal
Entries 991
Mean 623.6
RMS 163
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

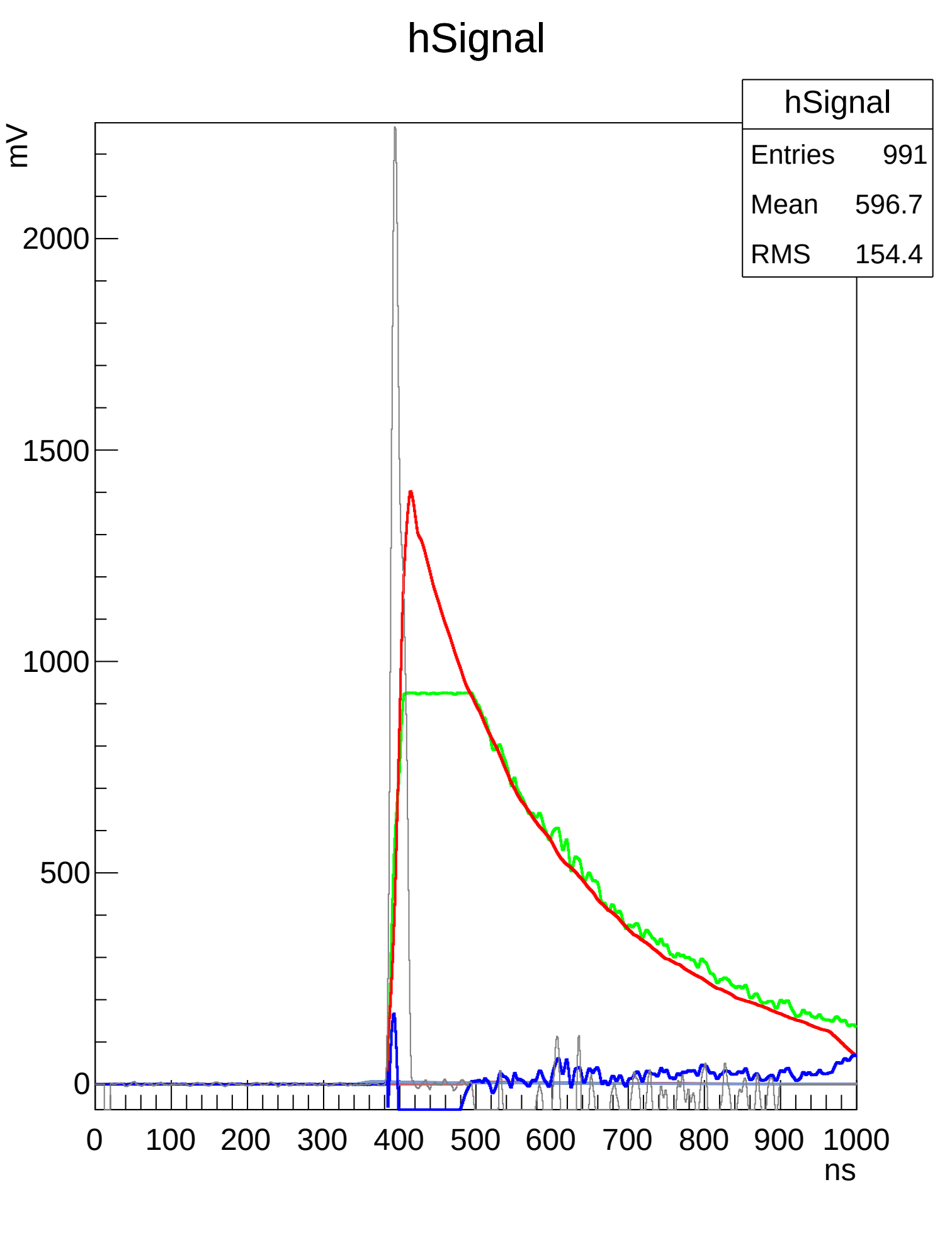

hSignal
hSignal
Entries 991
Mean 610.1
RMS 148.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

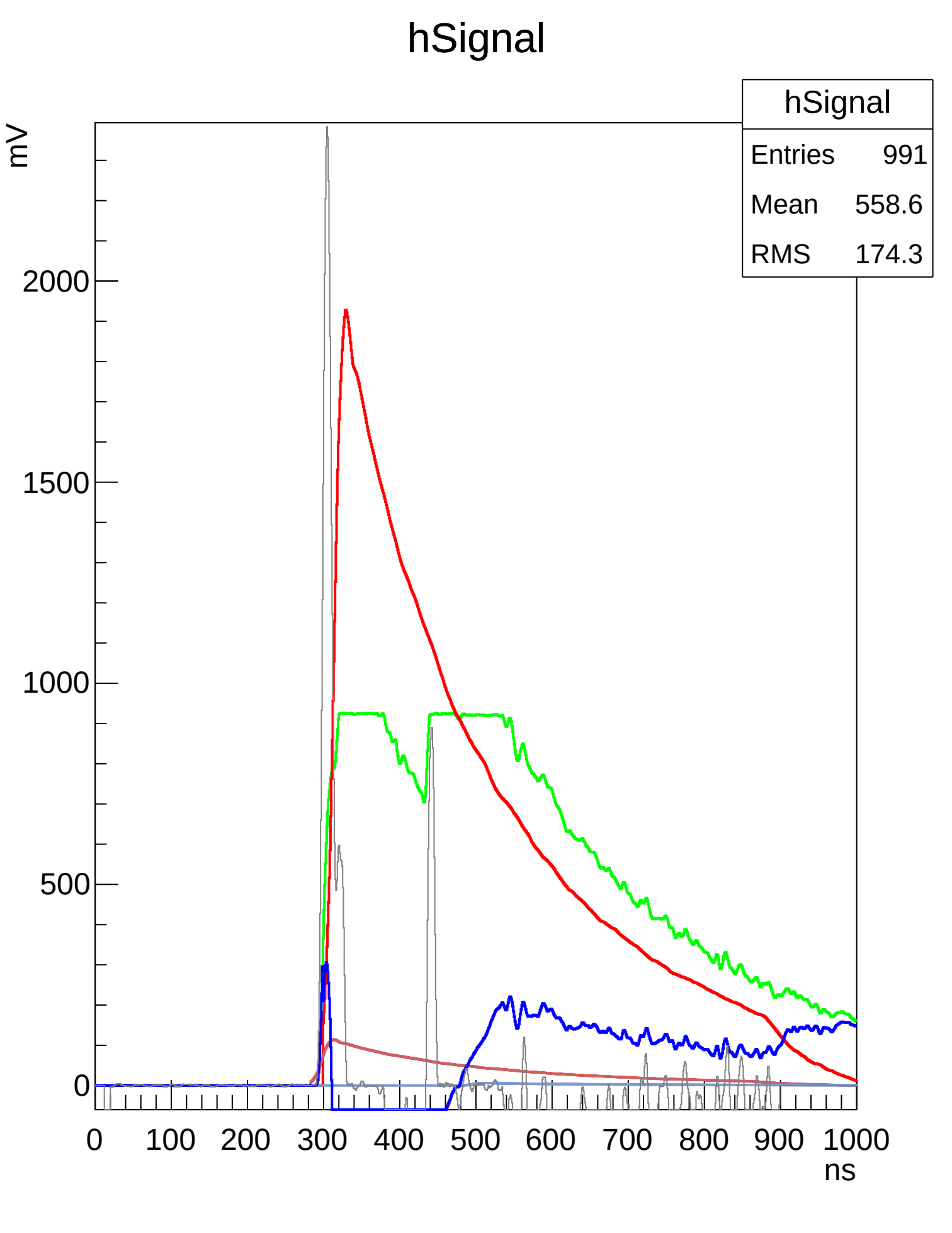

hSignal
hSignal
Entries 991
Mean 561.7
RMS 96.01
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

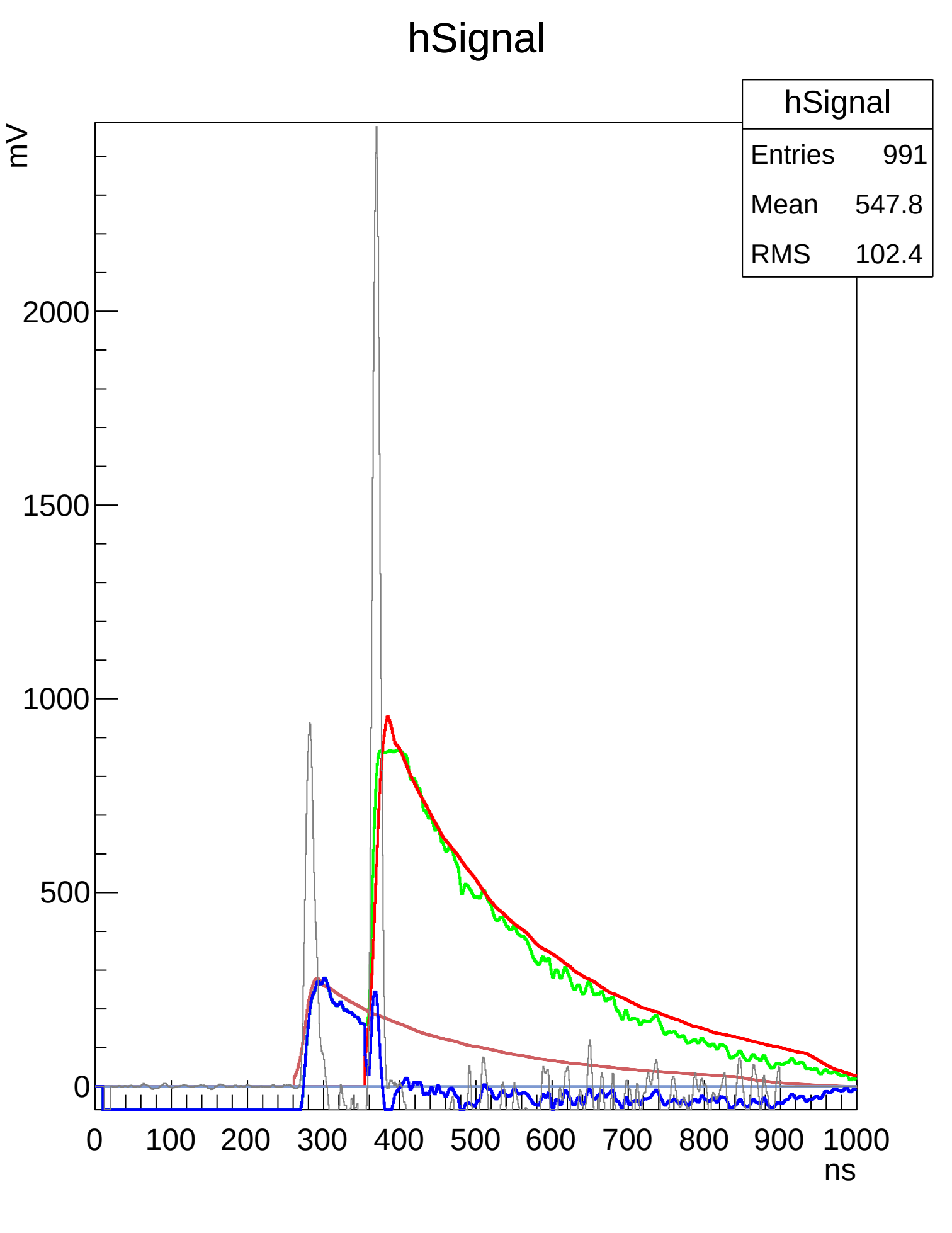

hSignal
hSignal
Entries 991
Mean 560.4
RMS 163
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

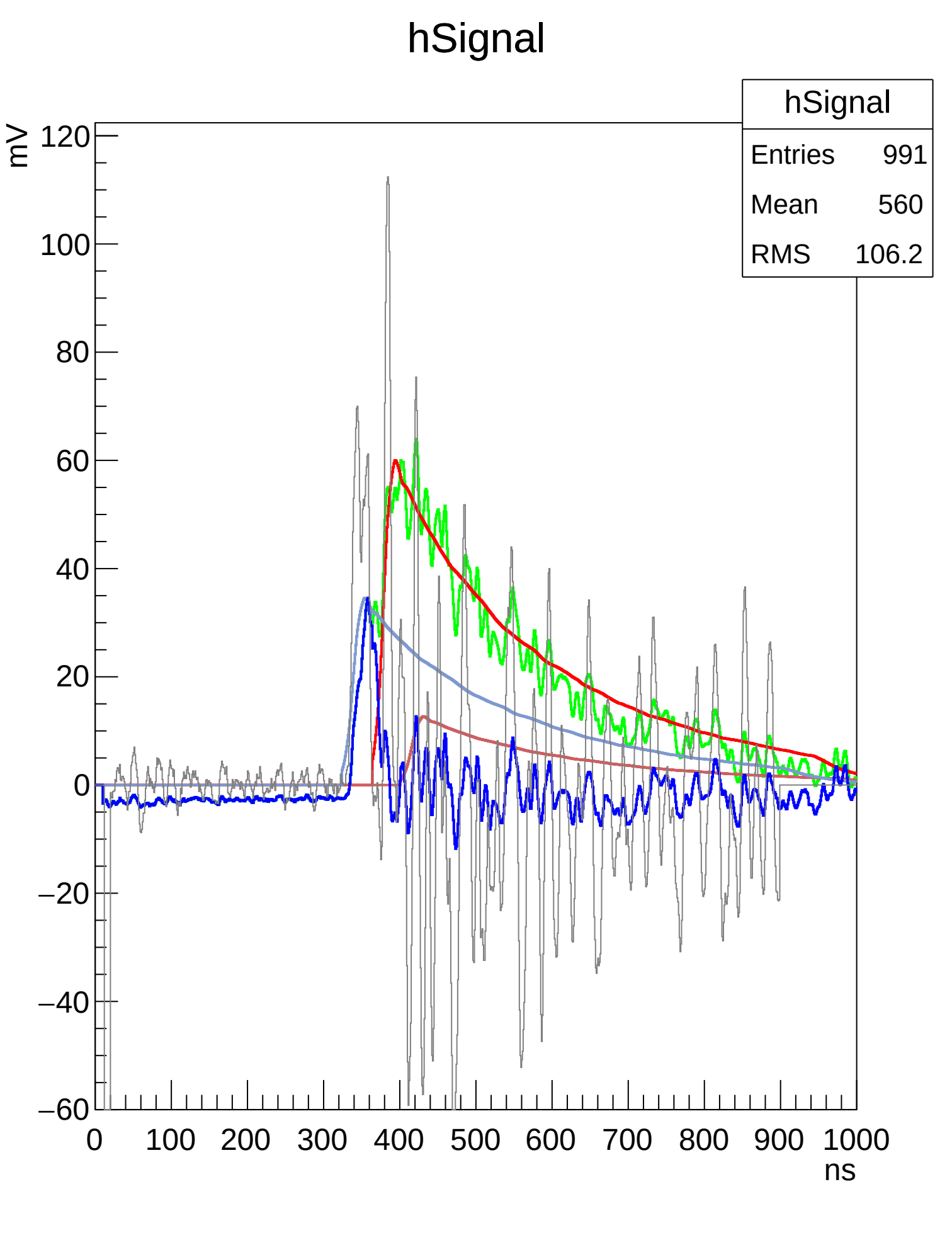

hSignal
hSignal
Entries 991
Mean 635.7
RMS 130.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

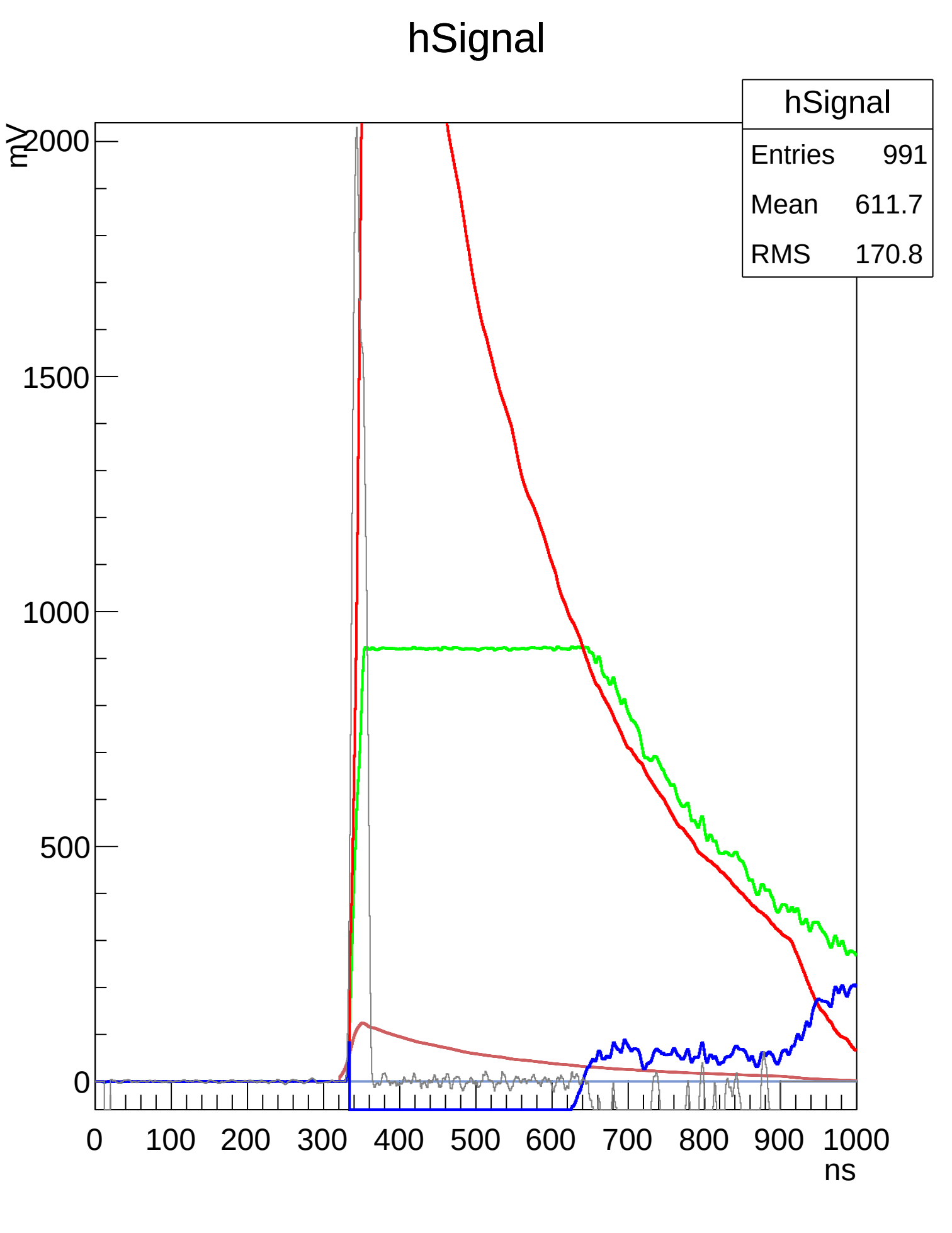

hSignal
hSignal
Entries 991
Mean 557.8
RMS 174.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

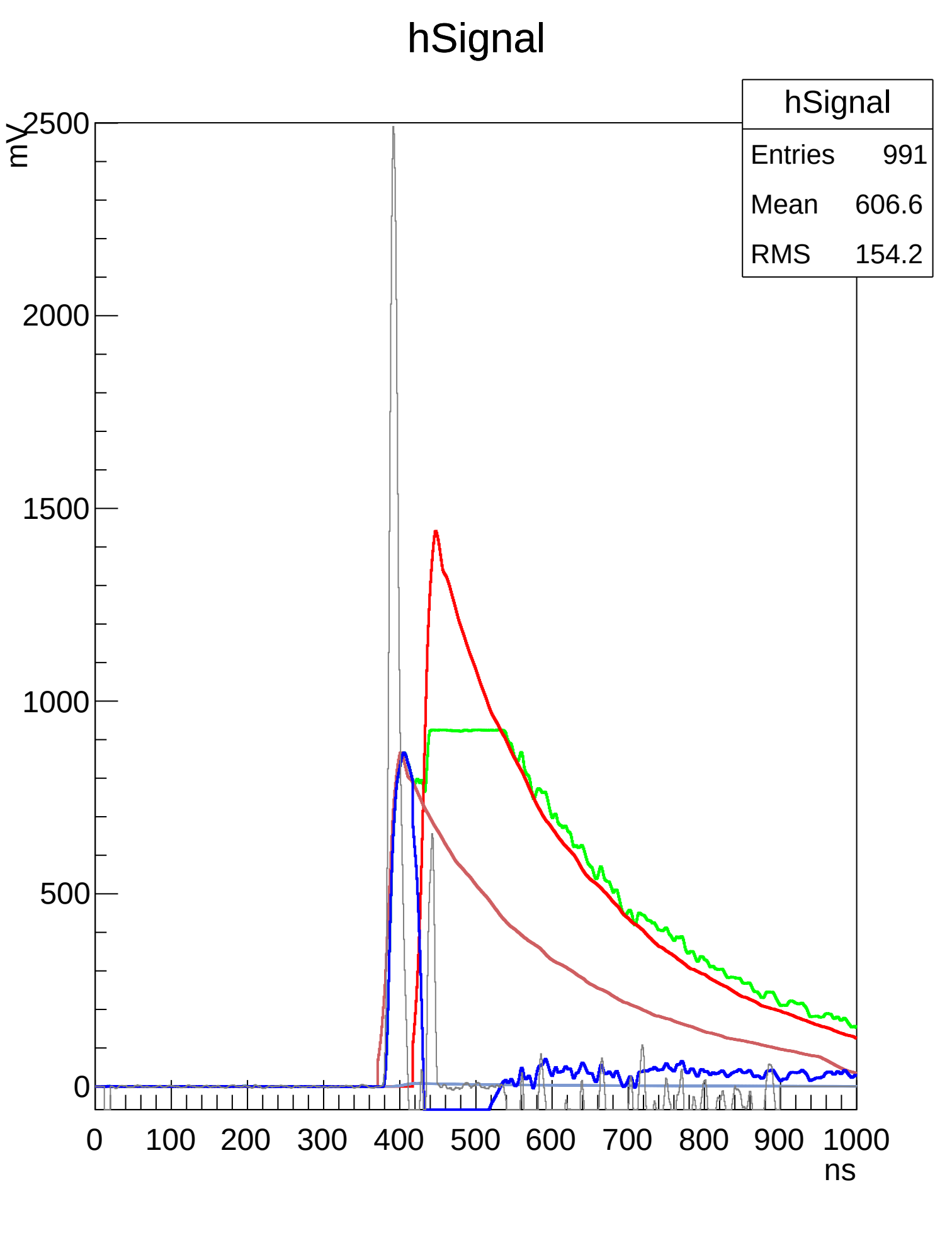

hSignal
hSignal
Entries 991
Mean 596.7
RMS 154.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

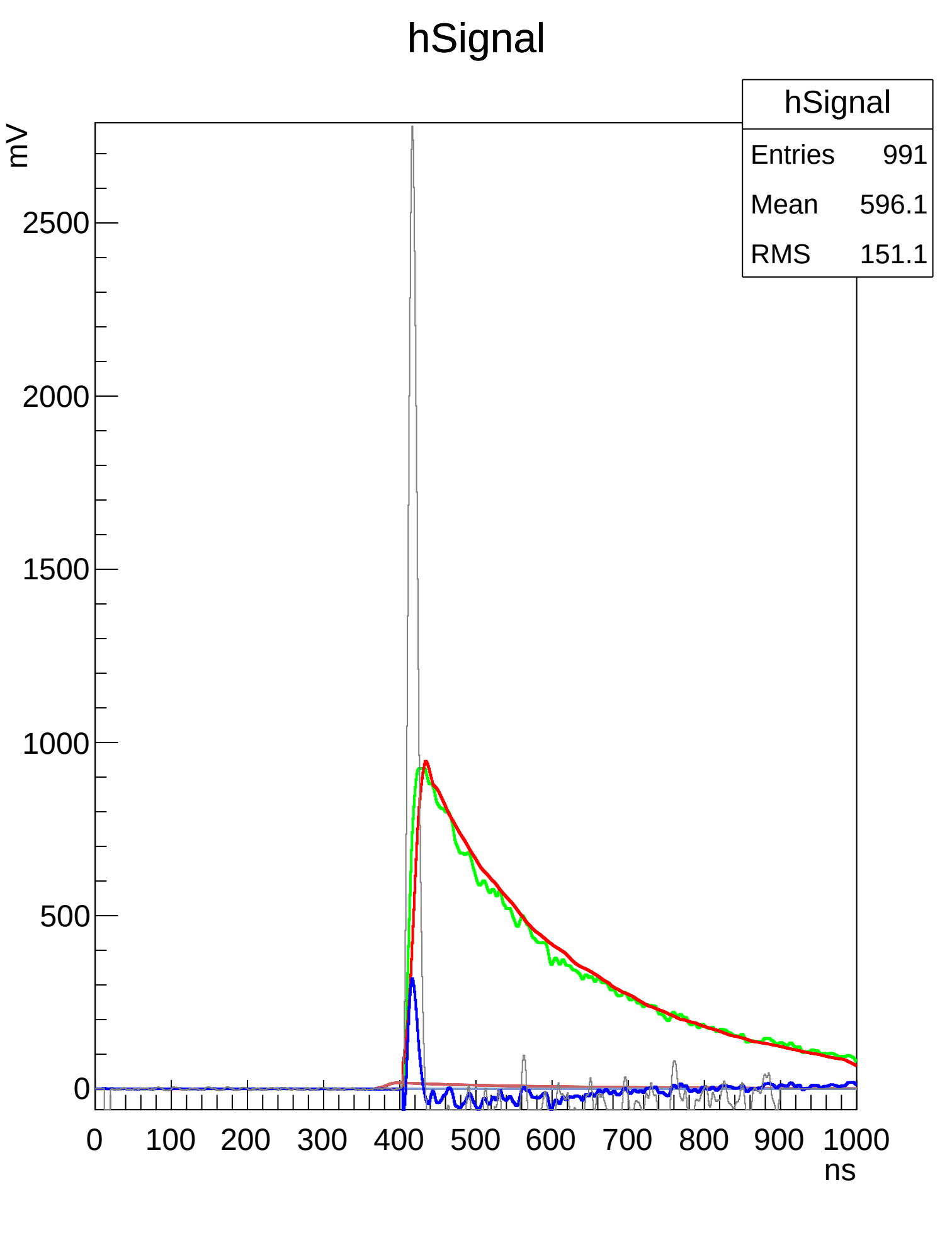

hSignal
hSignal
Entries 991
Mean 558.6
RMS 174.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

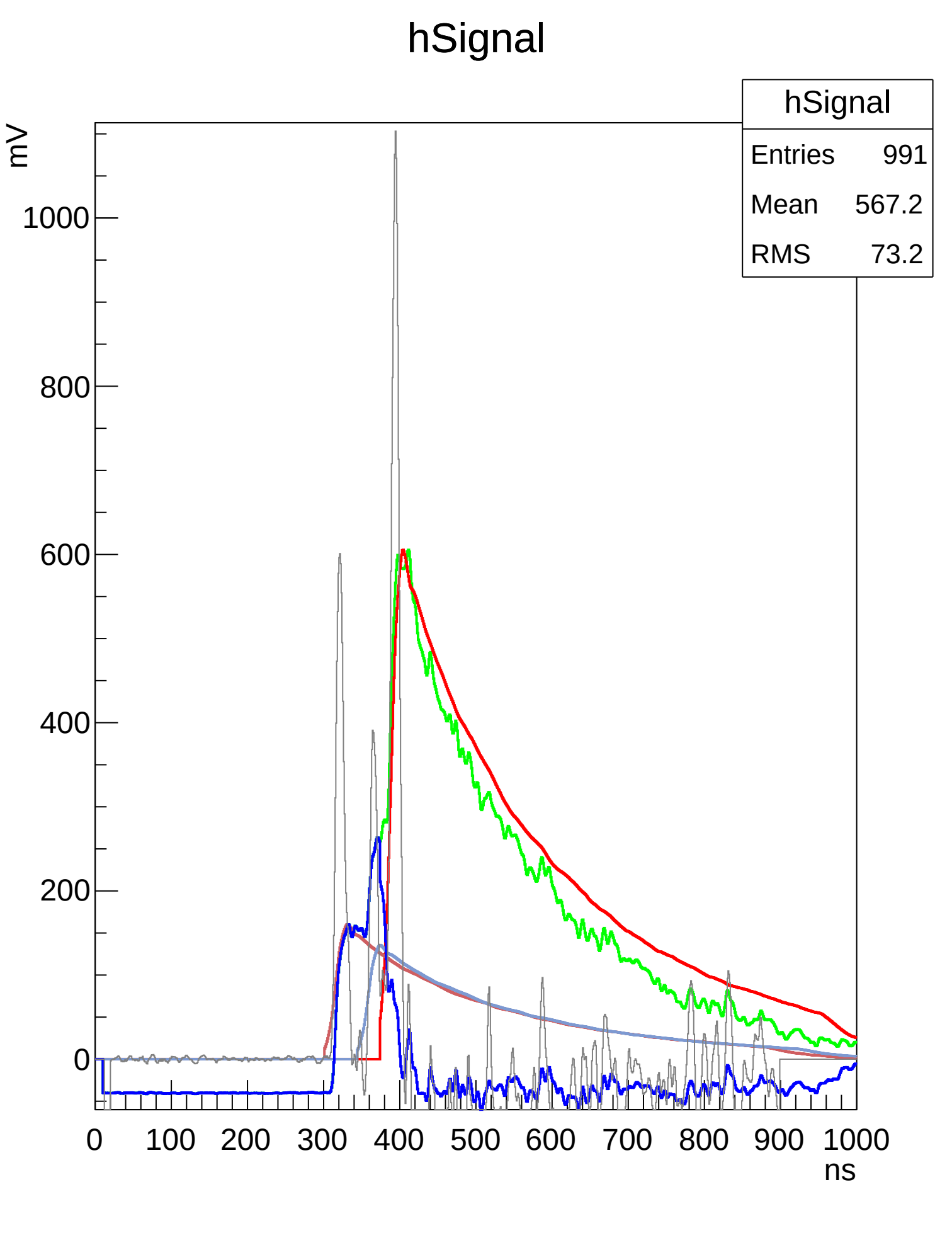

hSignal
hSignal
Entries 991
Mean 547.8
RMS 102.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

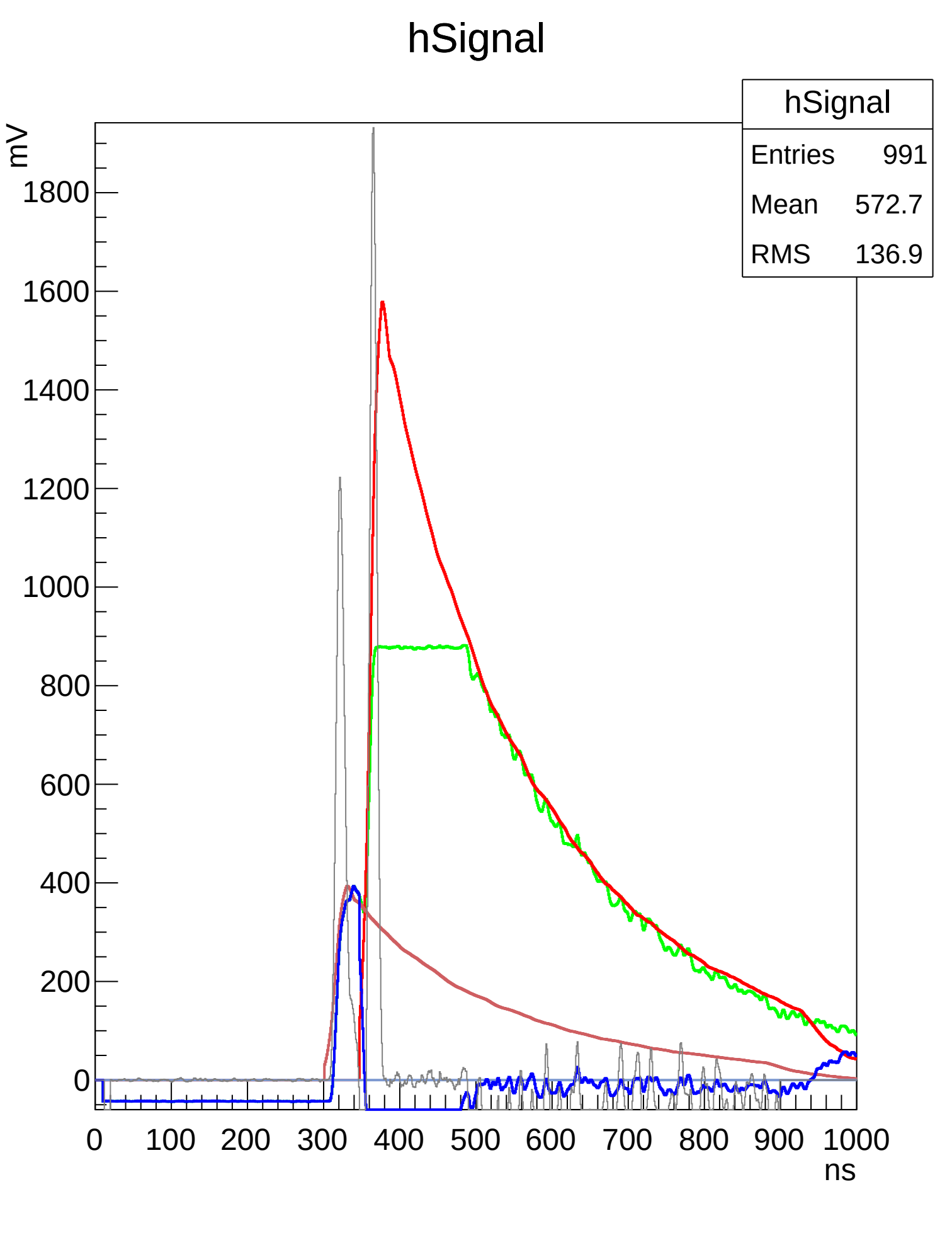

hSignal
hSignal
Entries 991
Mean 560
RMS 106.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

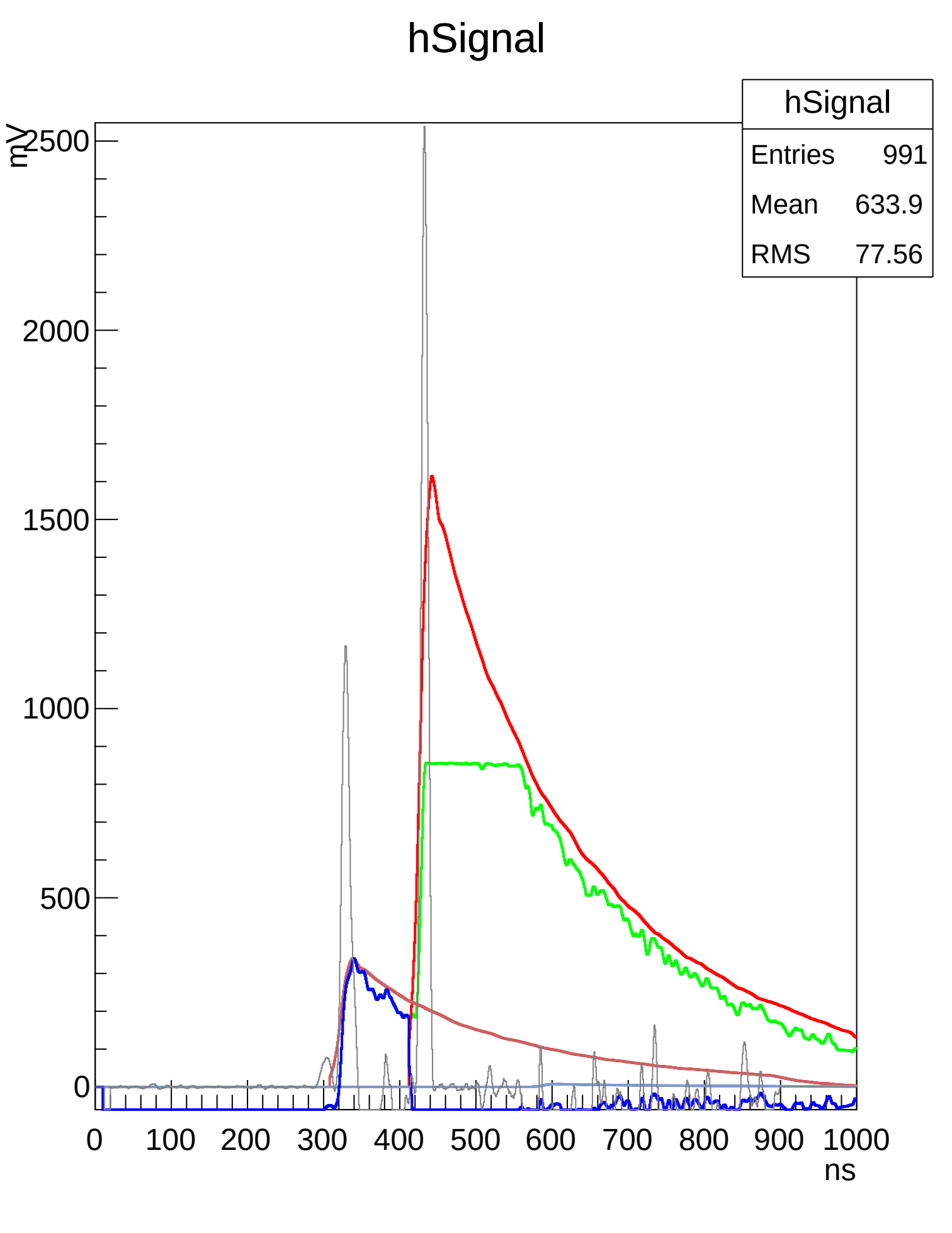

hSignal
hSignal
Entries 991
Mean 611.7
RMS 170.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

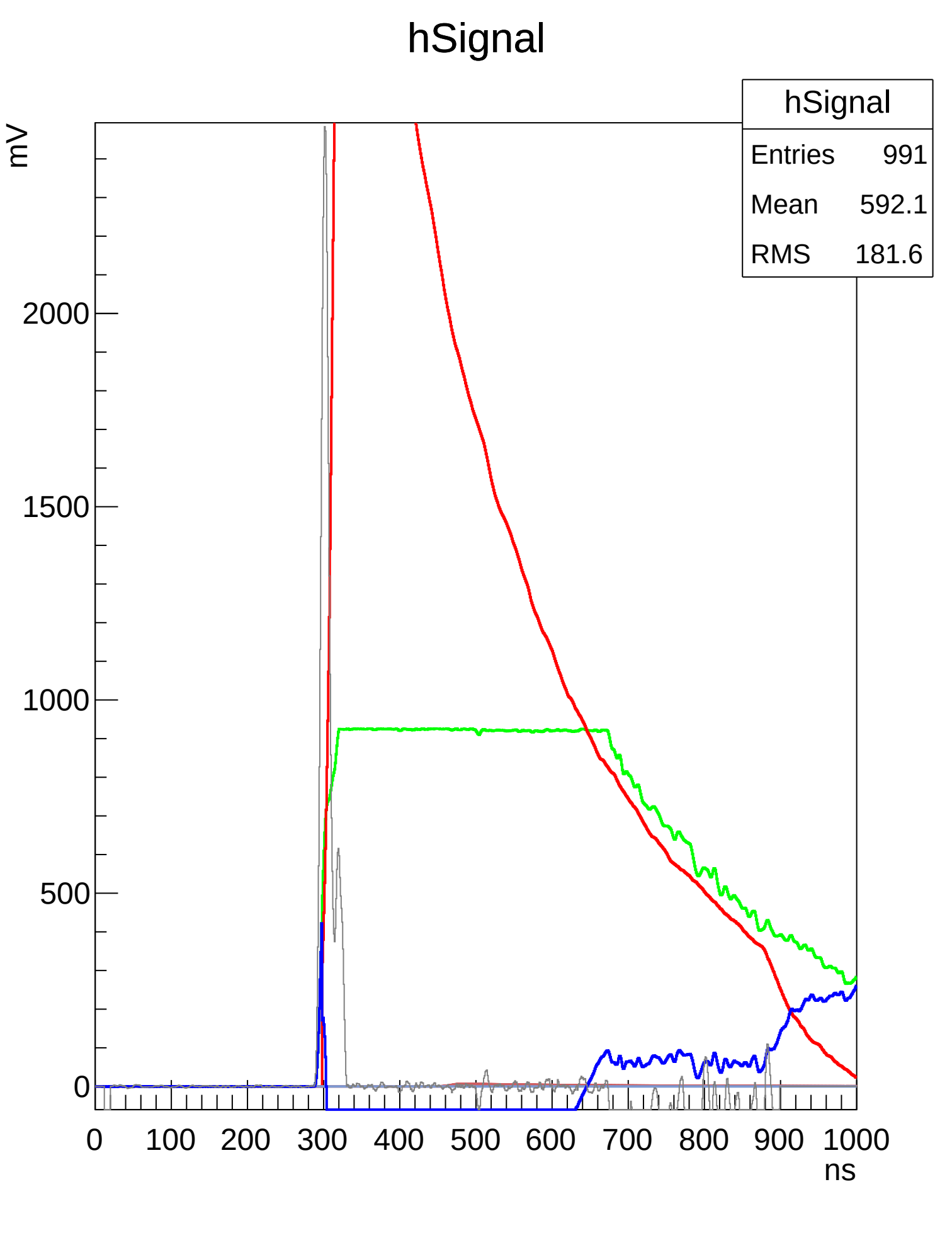

hSignal
hSignal
Entries 991
Mean 606.6
RMS 154.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

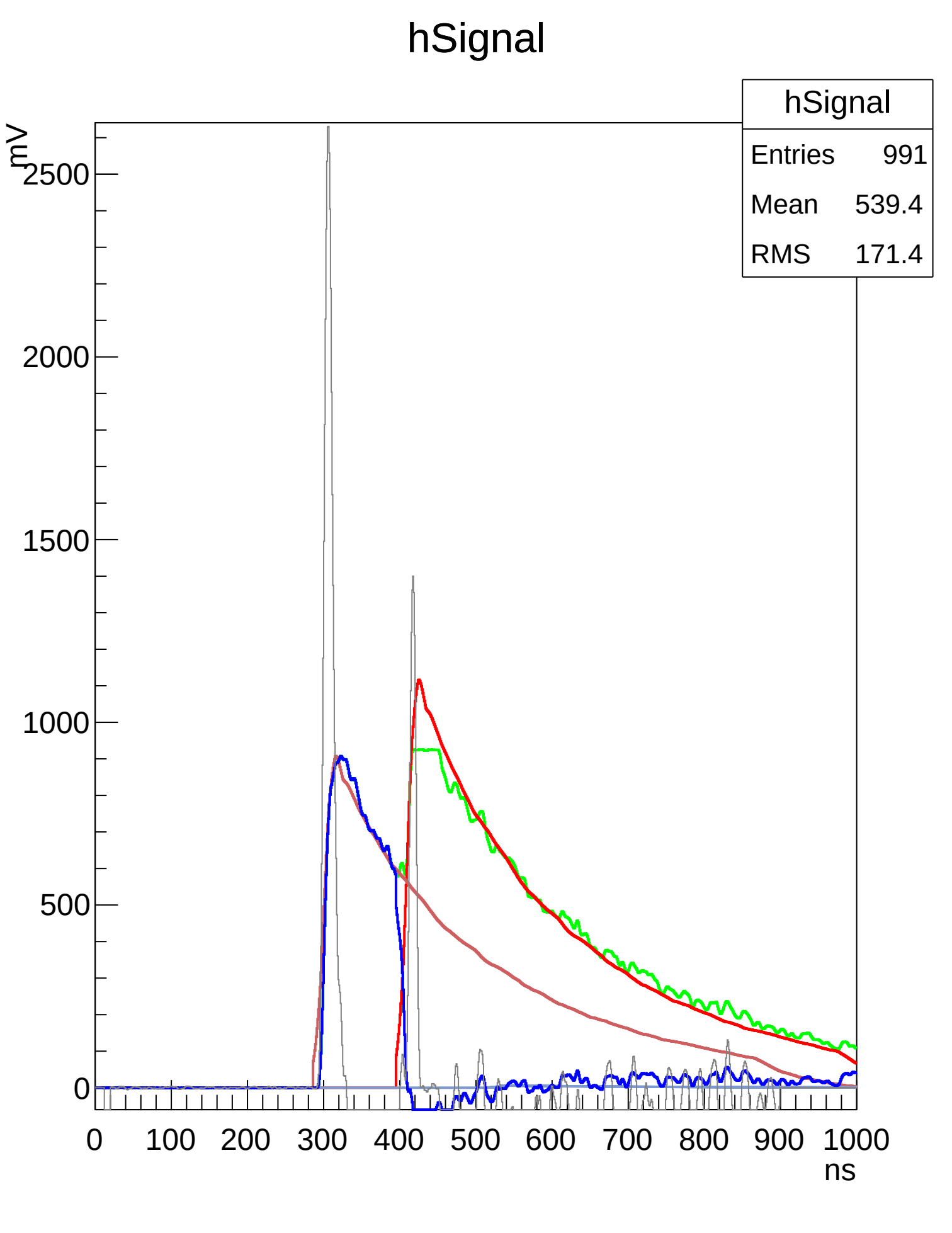

hSignal
hSignal
Entries 991
Mean 596.1
RMS 151.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

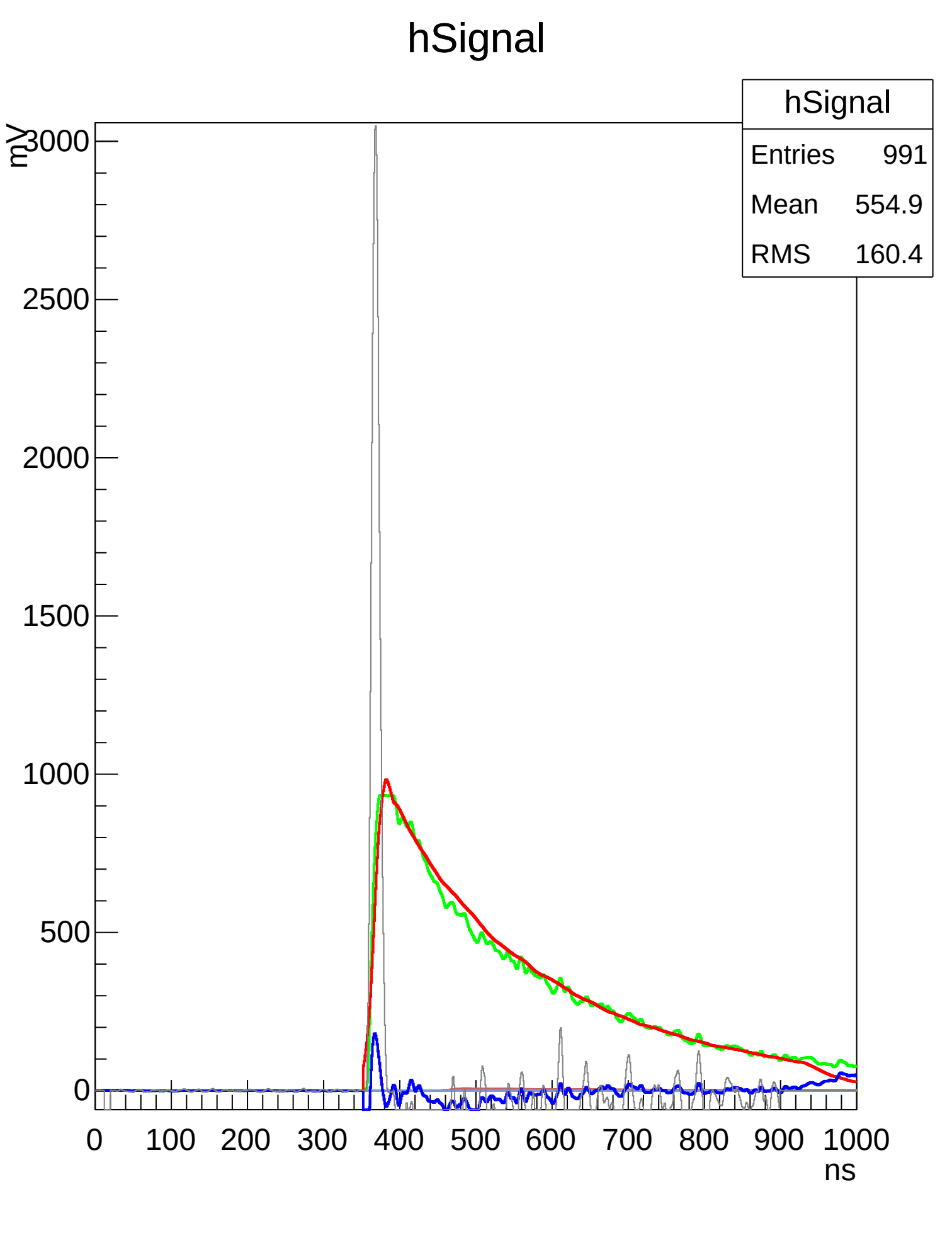

hSignal
hSignal
Entries 991
Mean 567.2
RMS 73.2
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

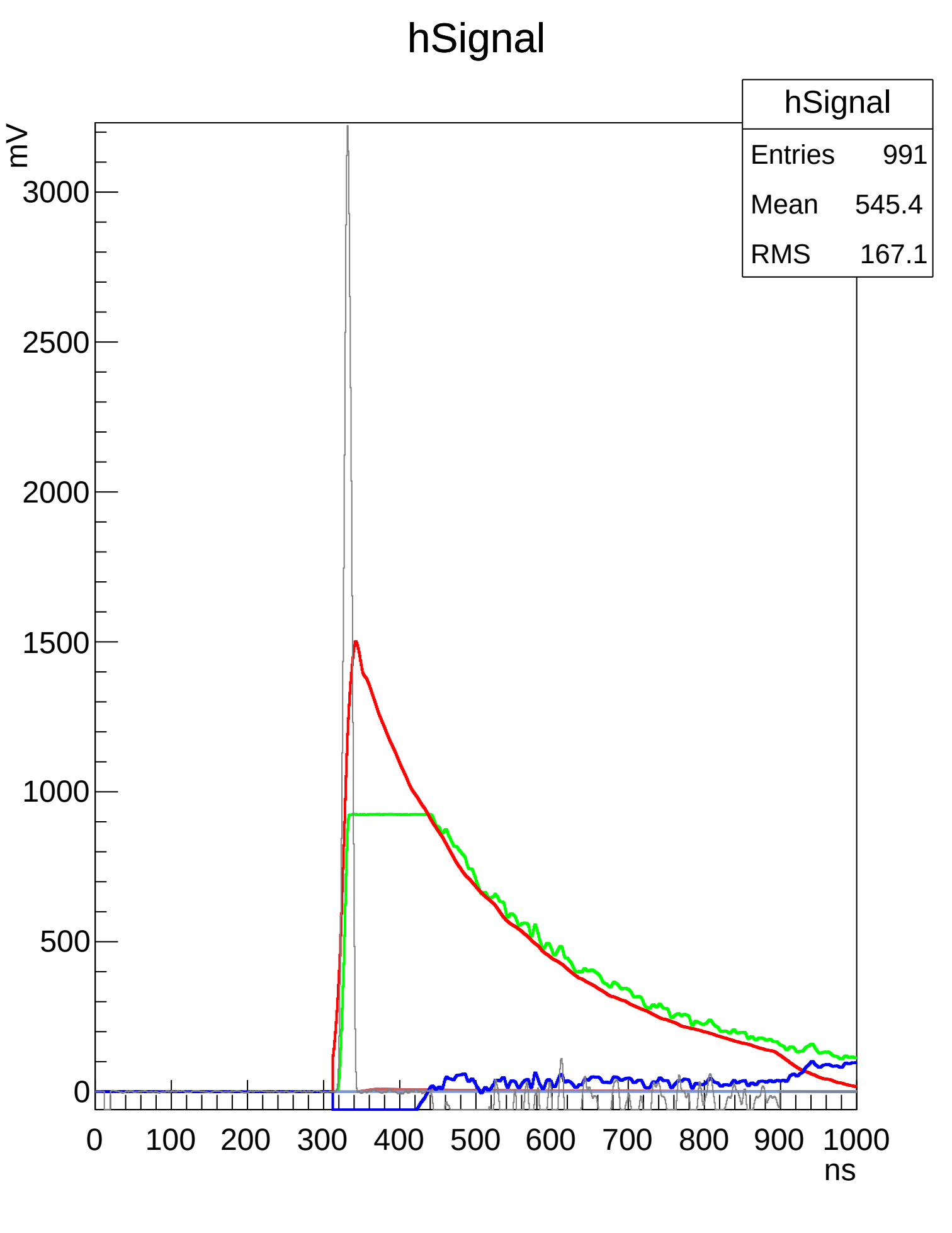

hSignal
hSignal
Entries 991
Mean 572.7
RMS 136.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

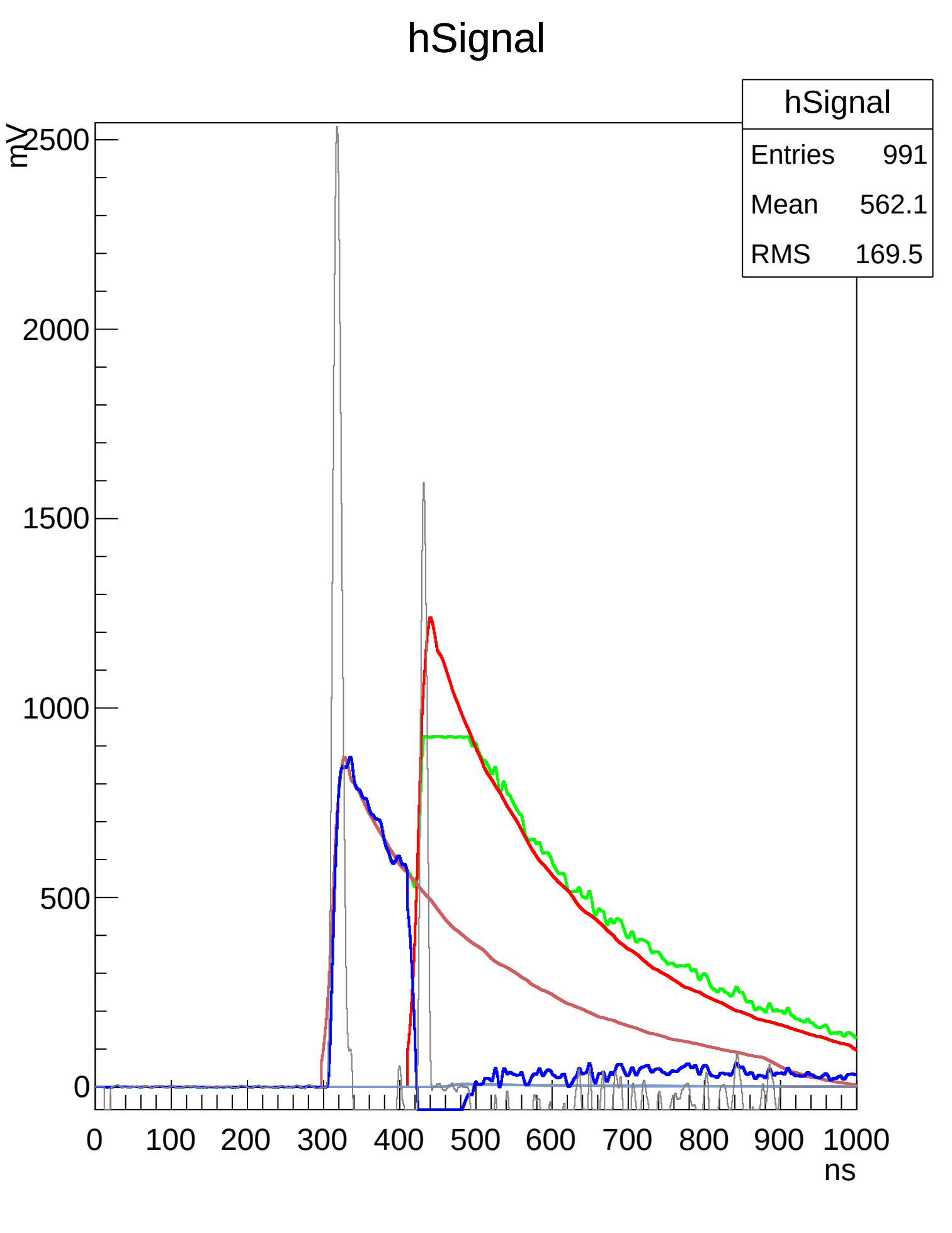

hSignal
hSignal
Entries 991
Mean 633.9
RMS 77.56
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

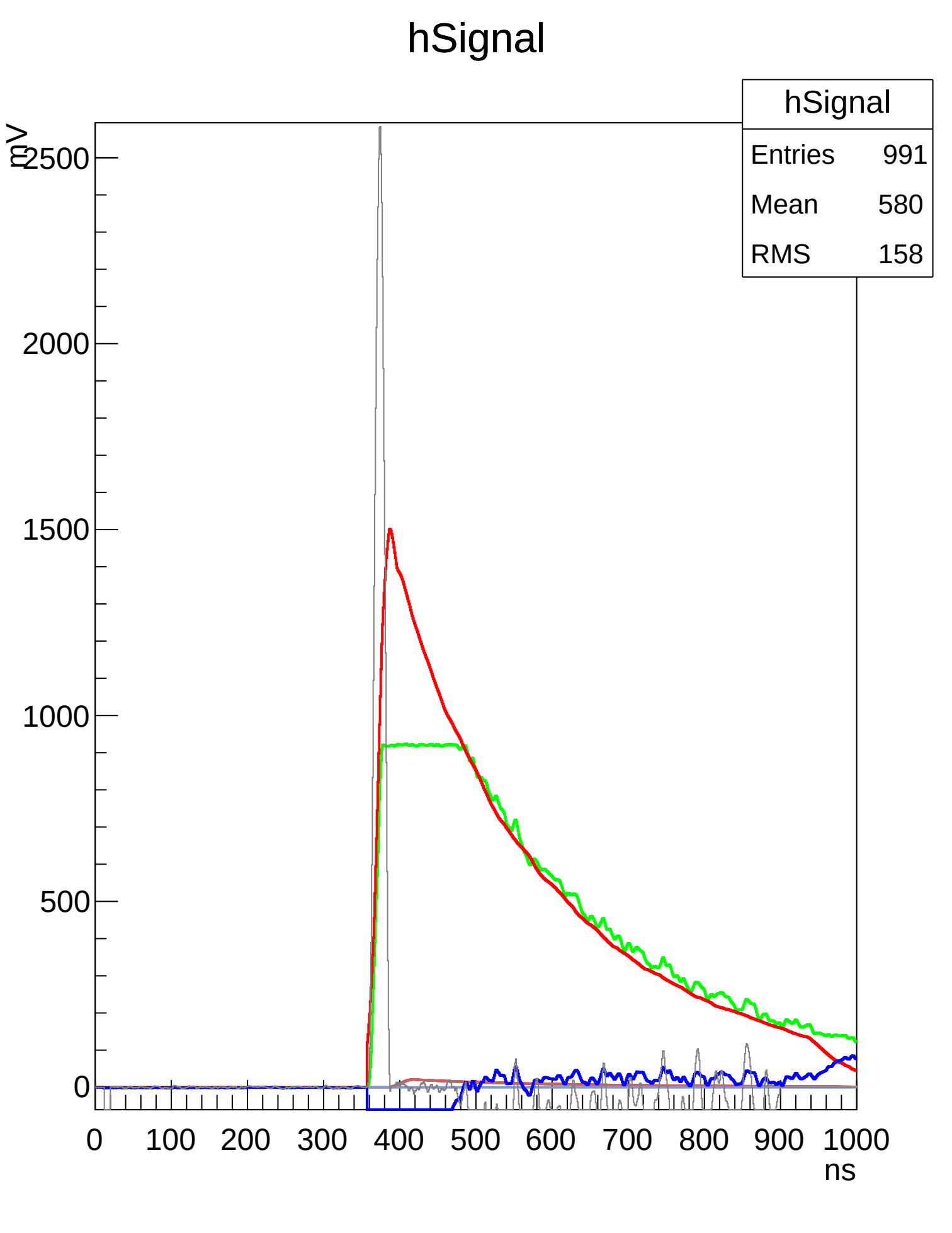

hSignal
hSignal
Entries 991
Mean 592.1
RMS 181.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

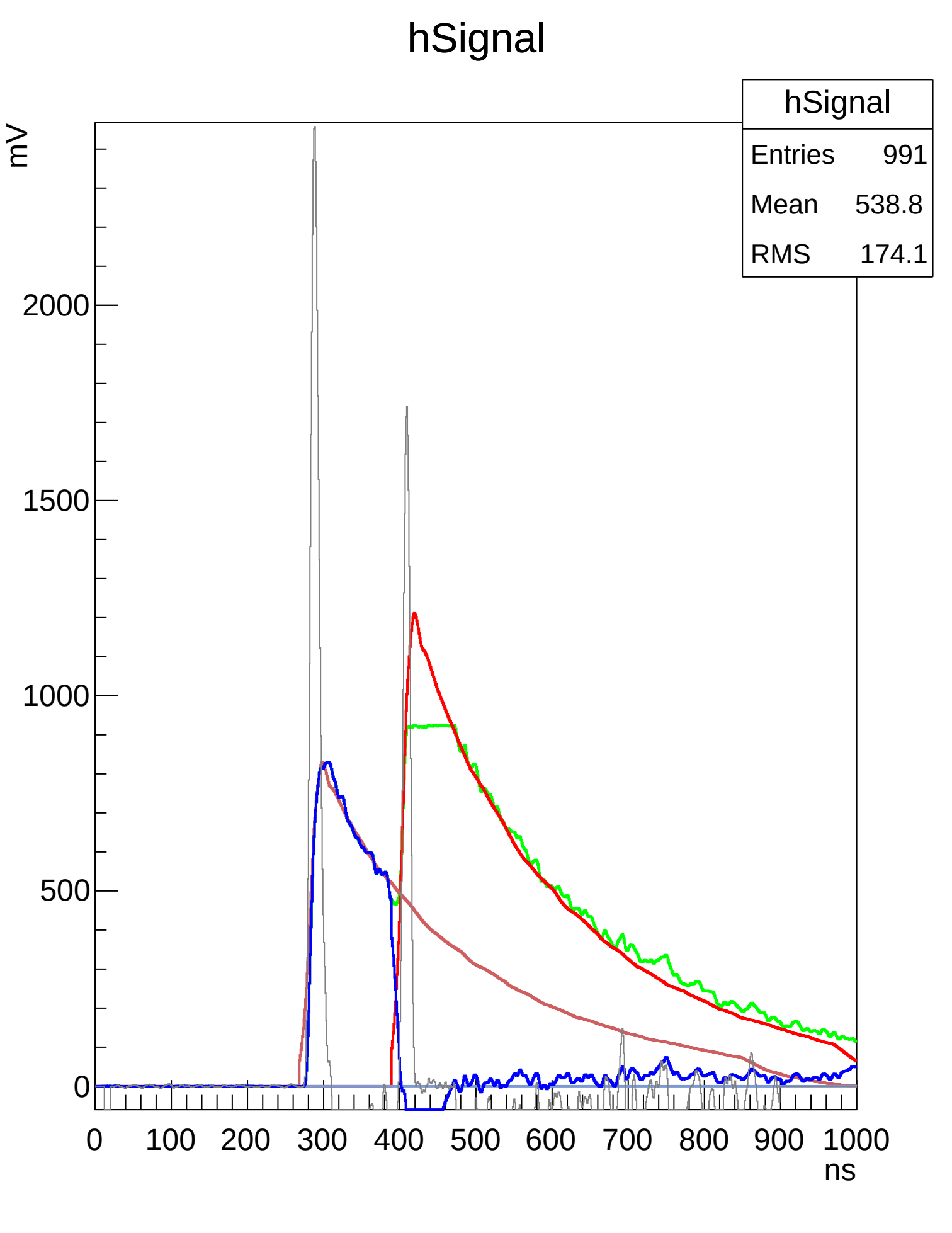

hSignal
hSignal
Entries 991
Mean 539.4
RMS 171.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

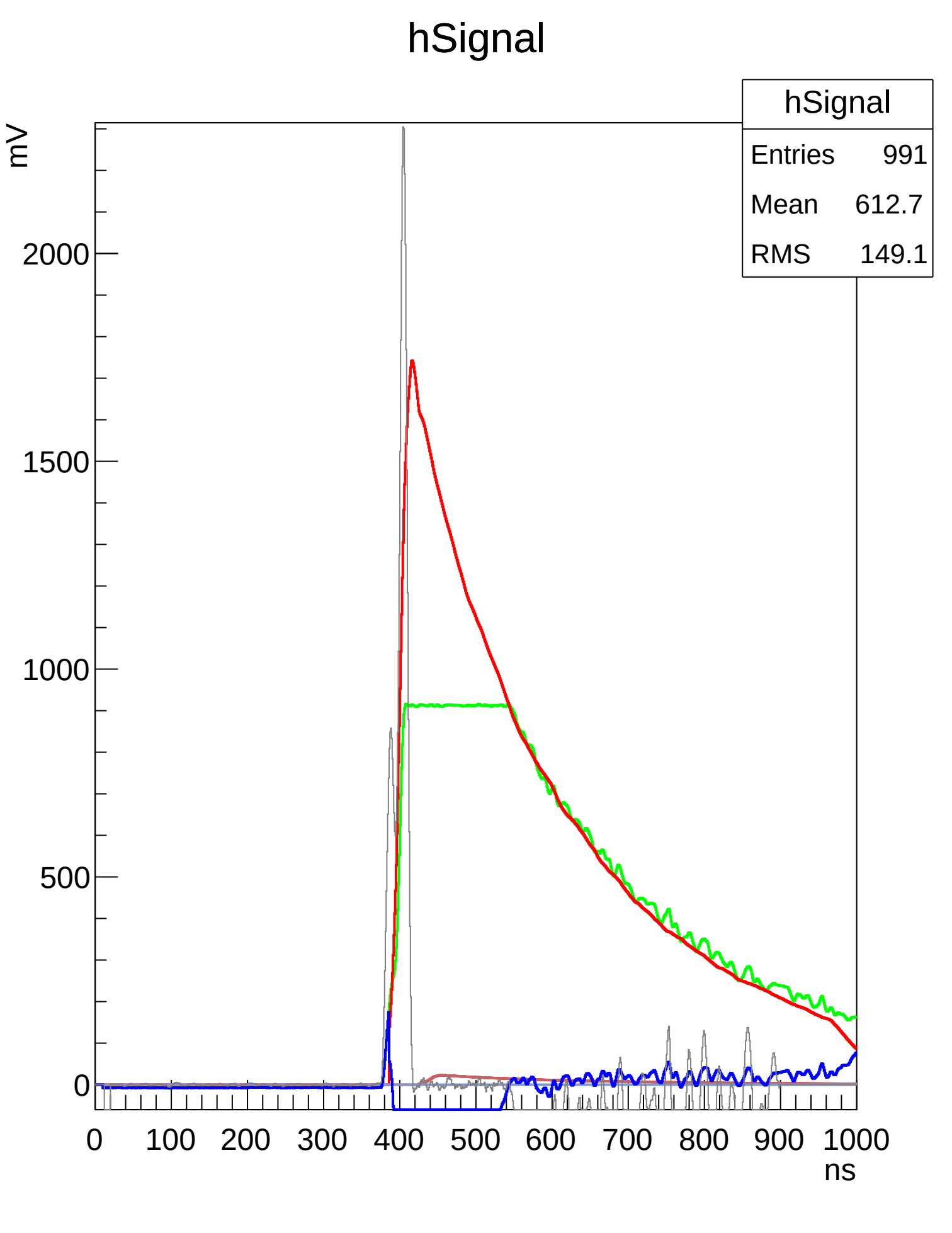

hSignal
hSignal
Entries 991
Mean 554.9
RMS 160.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

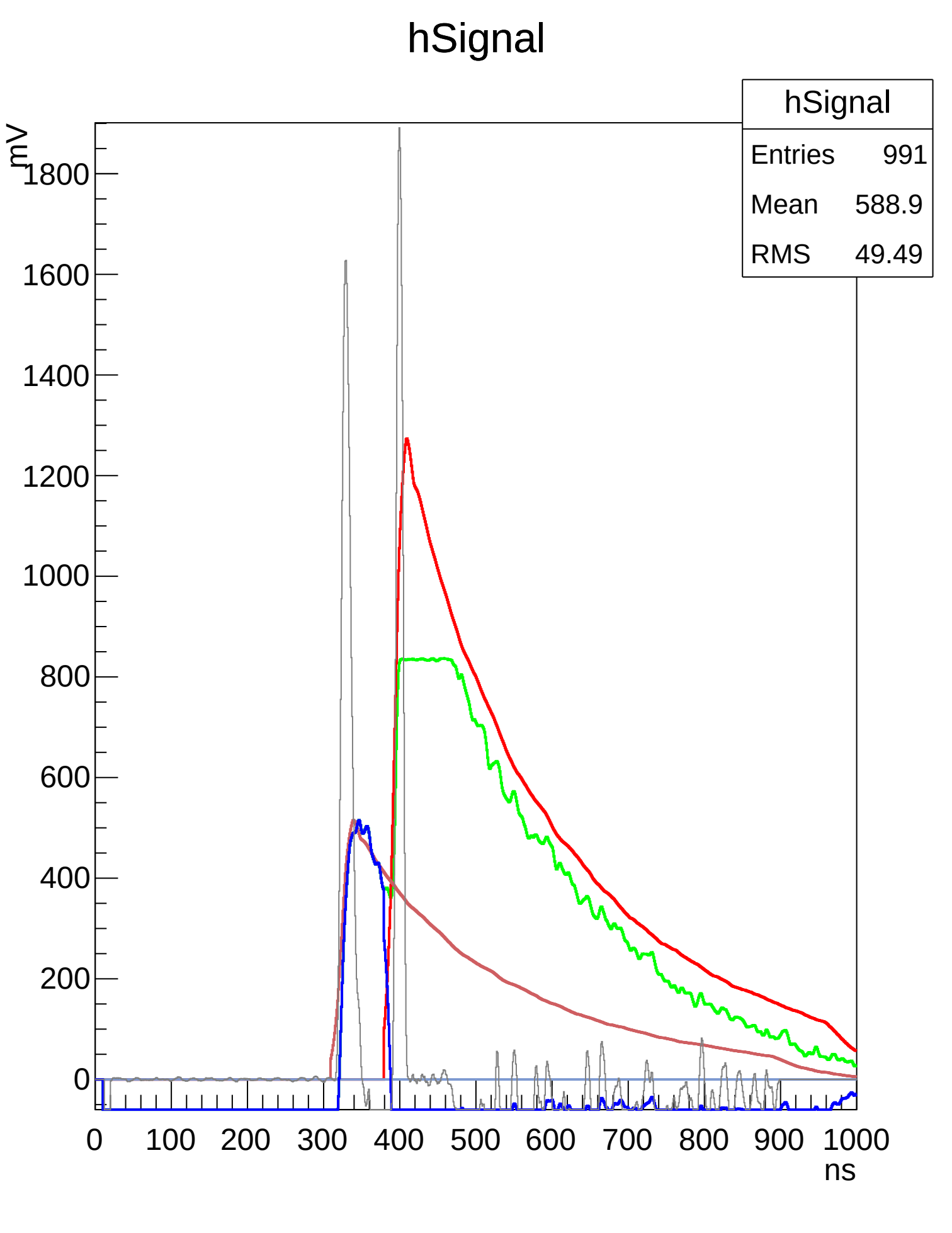

hSignal
hSignal
Entries 991
Mean 545.4
RMS 167.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

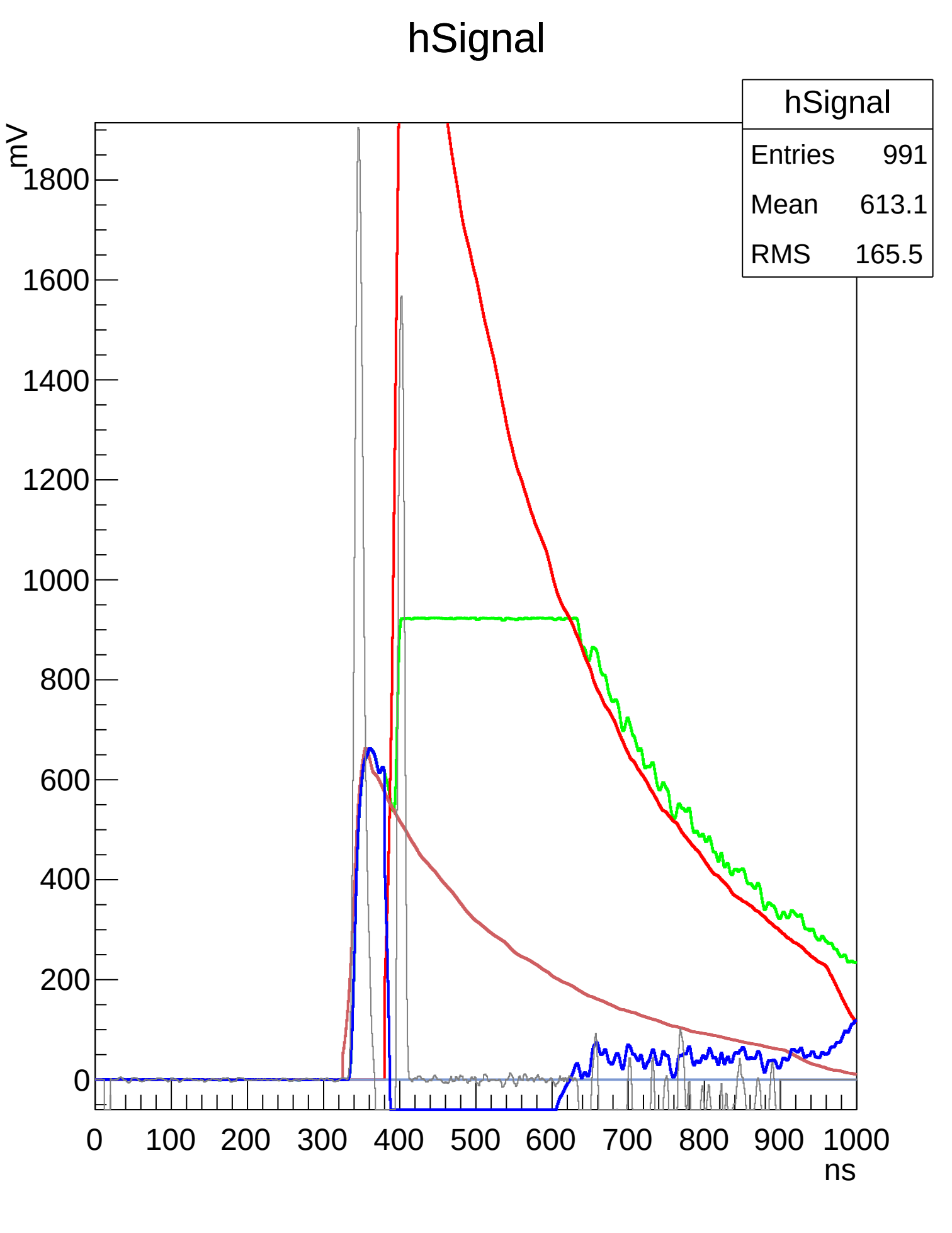

hSignal
hSignal
Entries 991
Mean 562.1
RMS 169.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

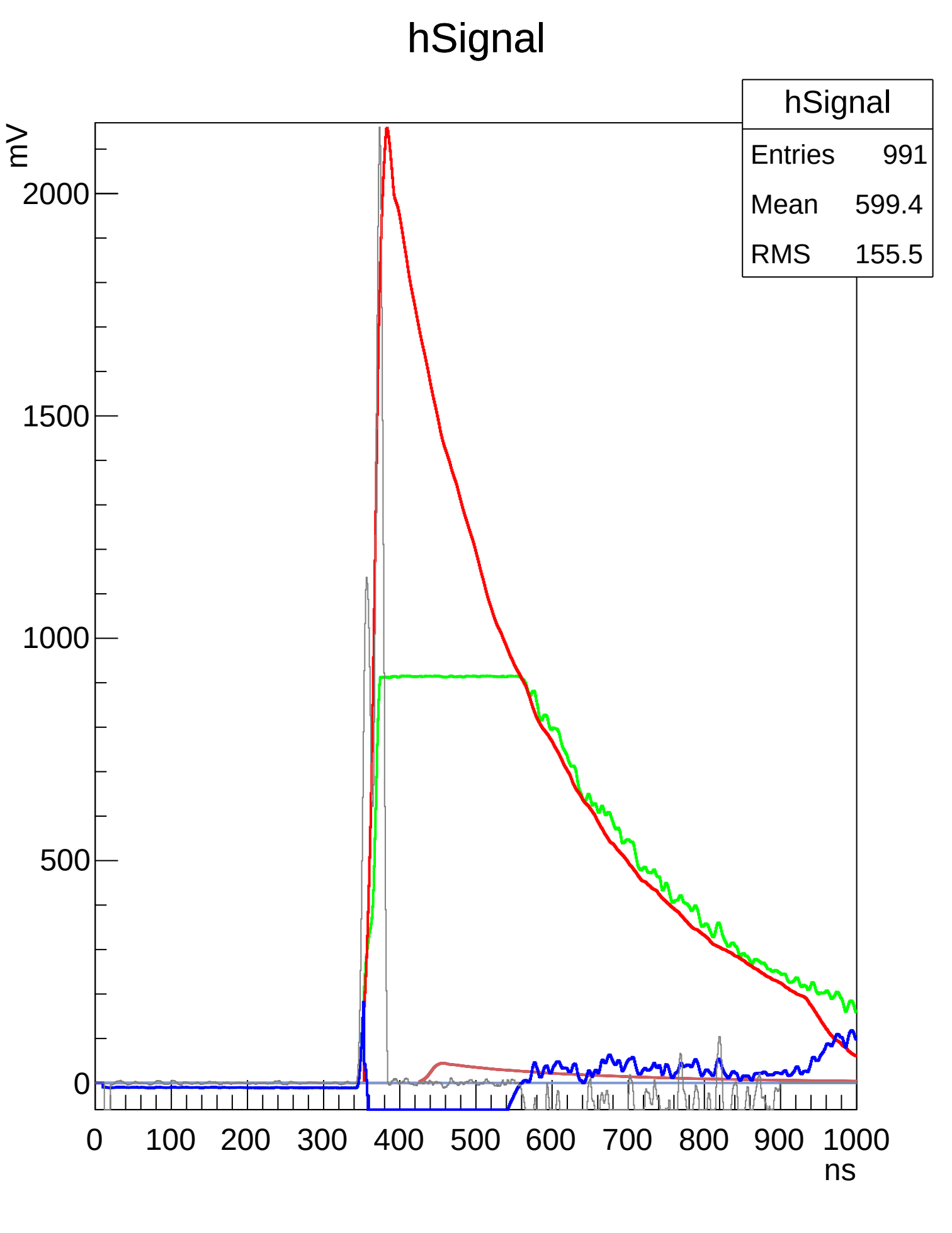

hSignal
hSignal
Entries 991
Mean 580
RMS 158
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

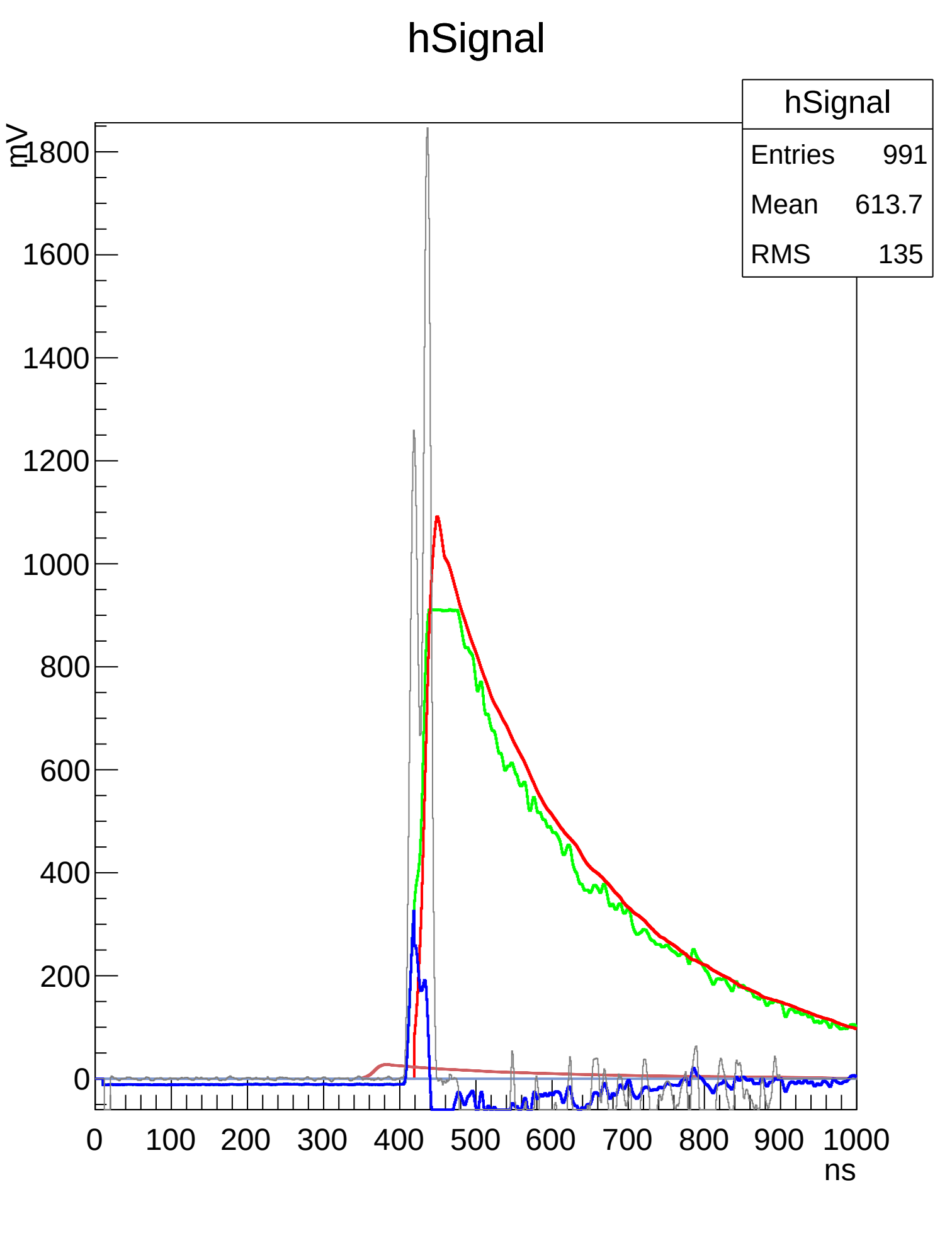

hSignal
hSignal
Entries 991
Mean 538.8
RMS 174.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

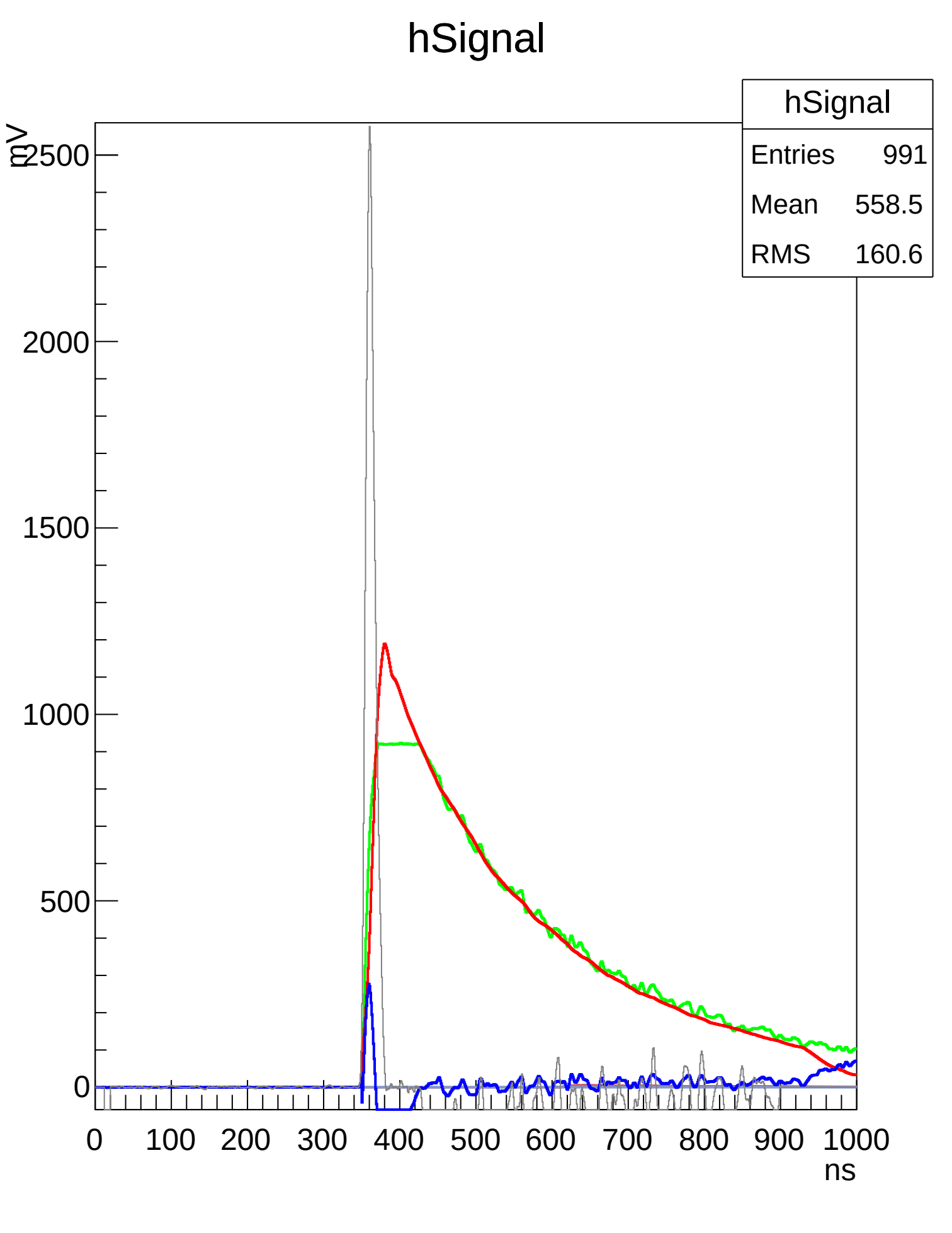

hSignal
hSignal
Entries 991
Mean 612.7
RMS 149.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

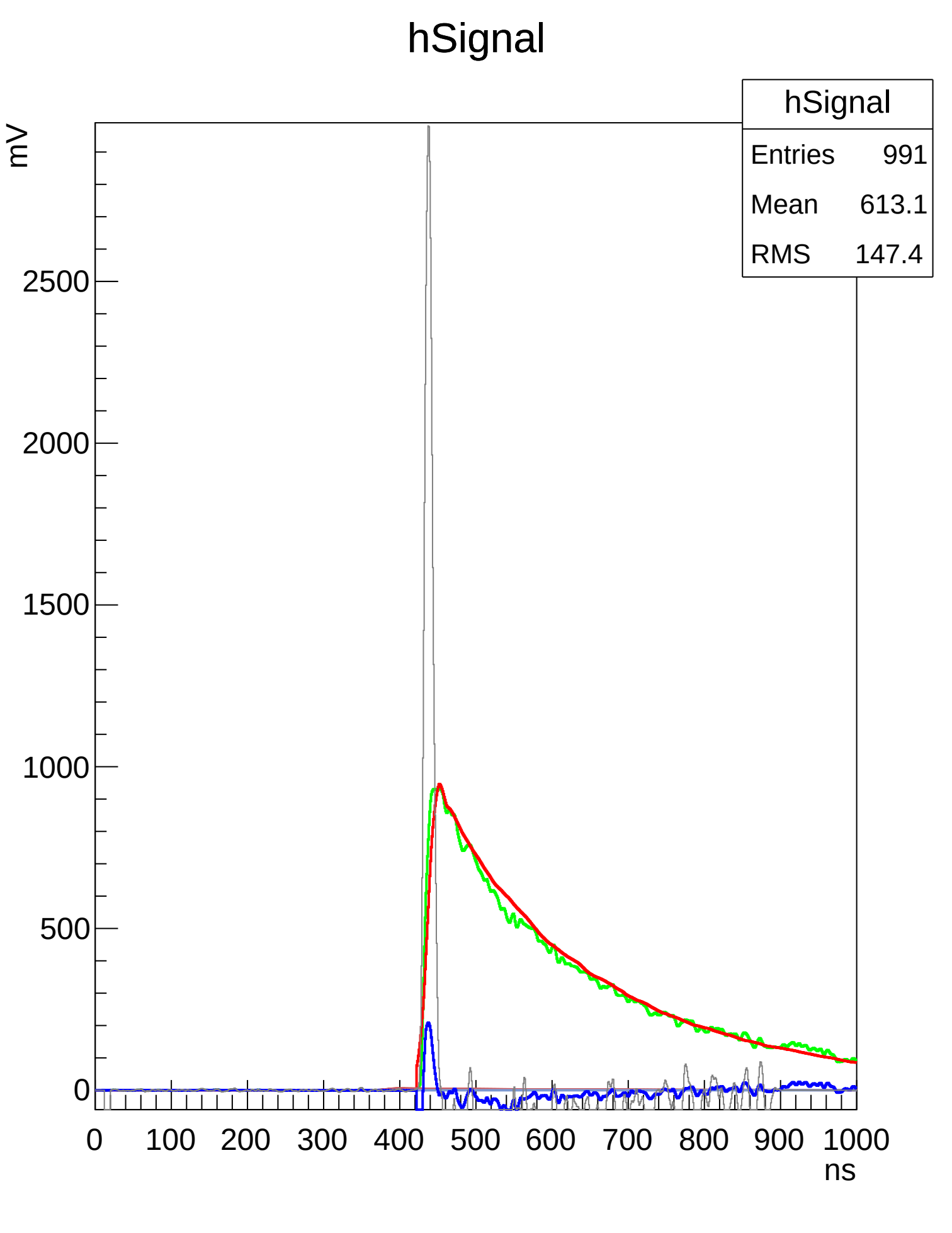

hSignal
hSignal
Entries 991
Mean 588.9
RMS 49.49
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

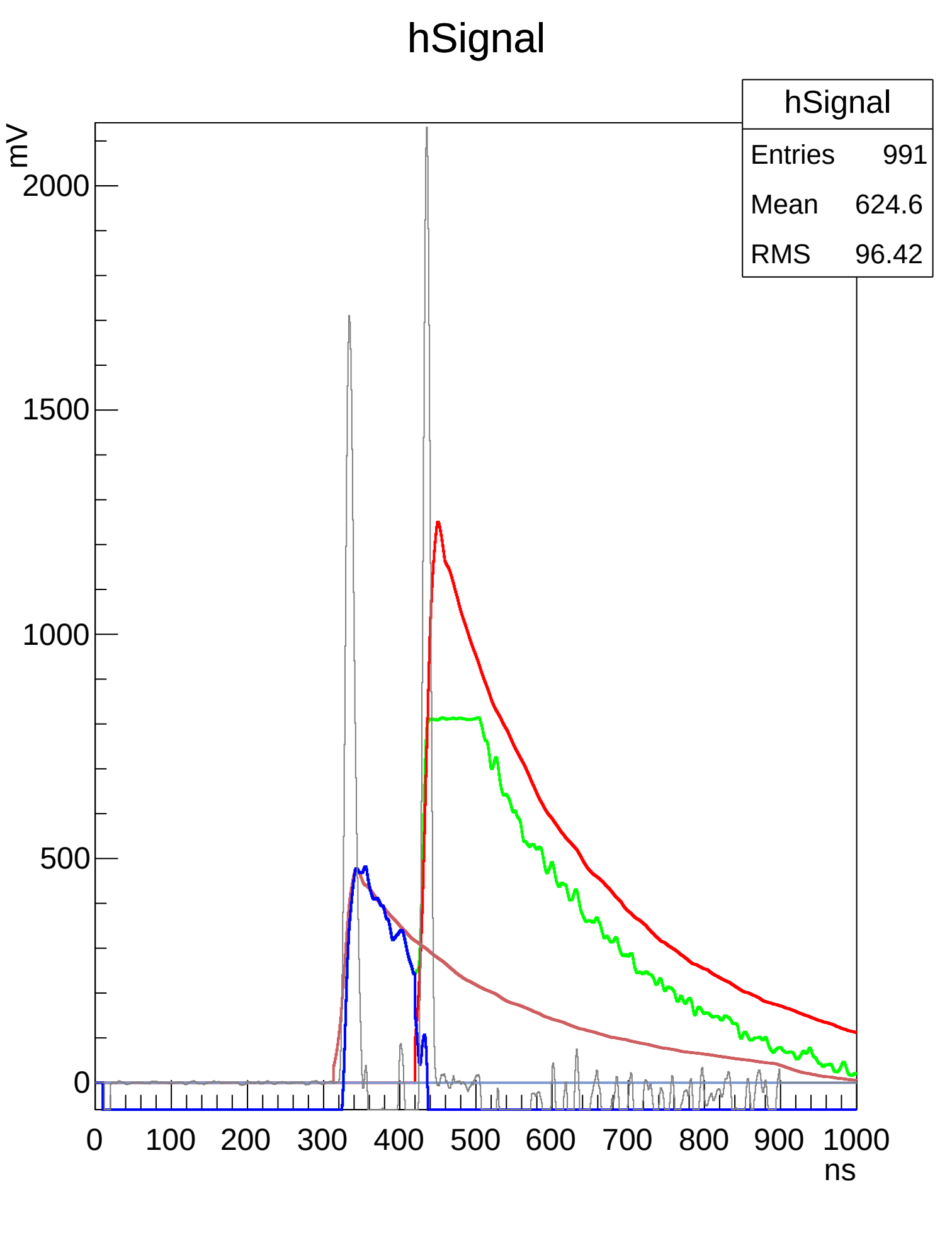

hSignal
hSignal
Entries 991
Mean 613.1
RMS 165.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

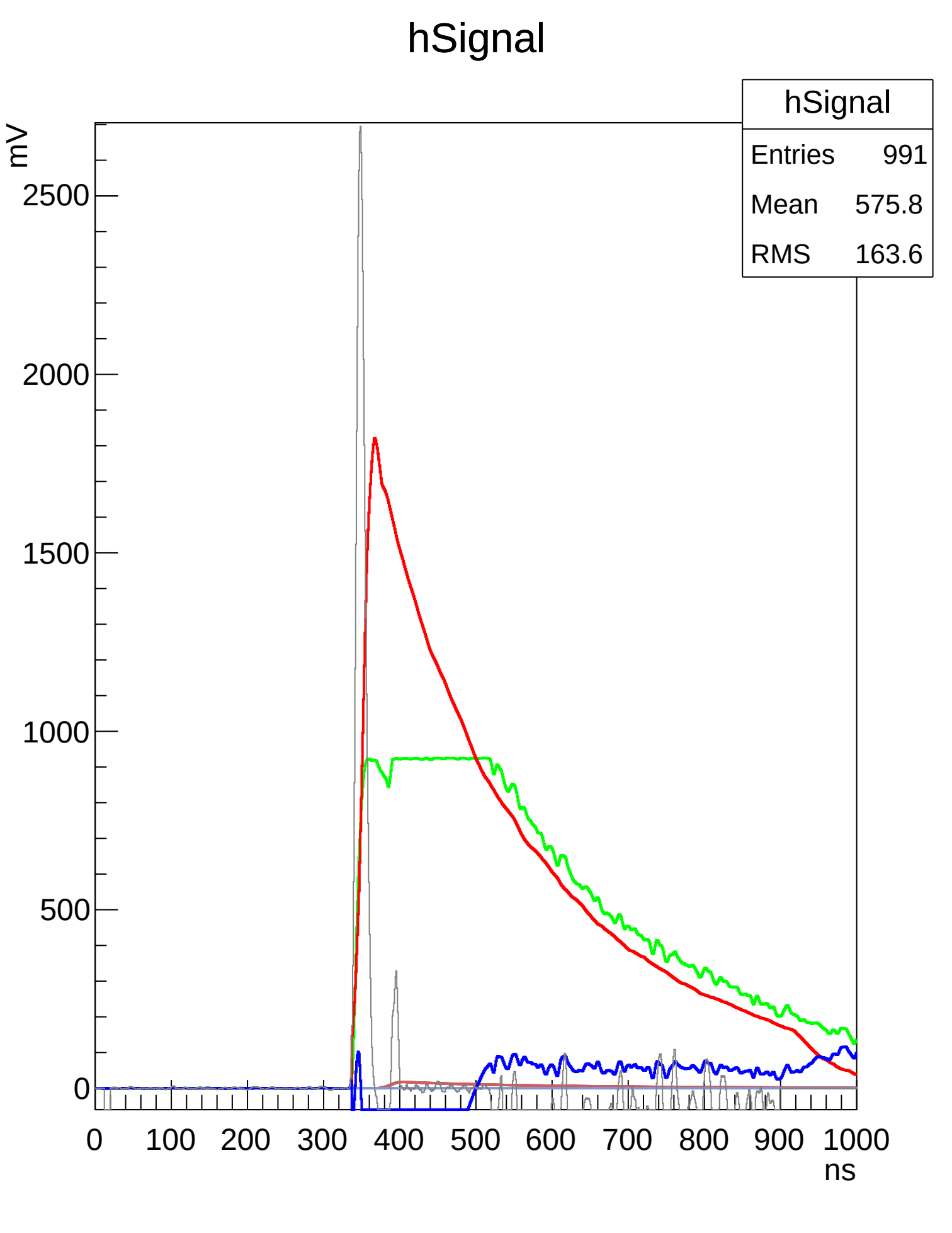

hSignal
hSignal
Entries 991
Mean 599.4
RMS 155.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

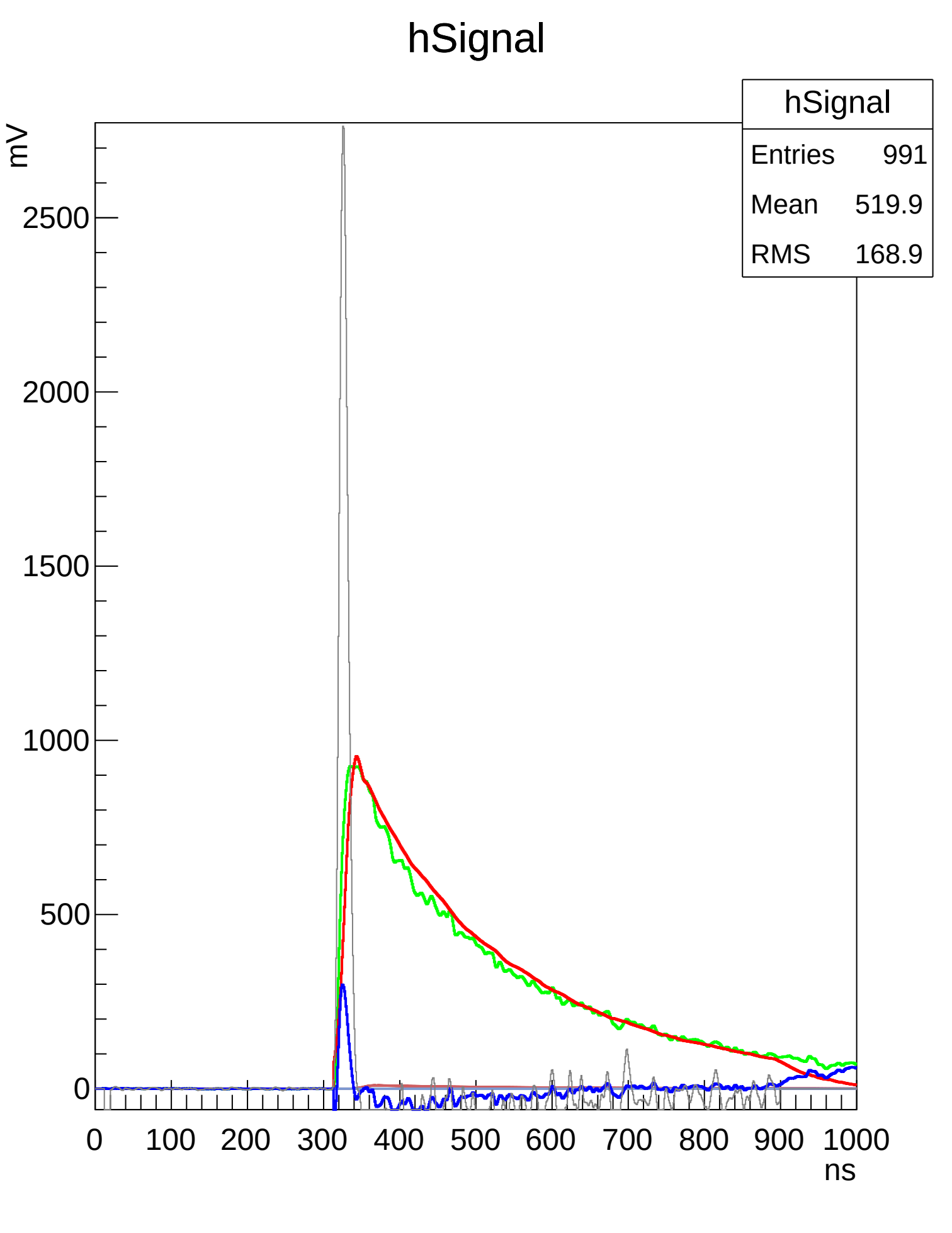

hSignal
hSignal
Entries 991
Mean 613.7
RMS 135
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

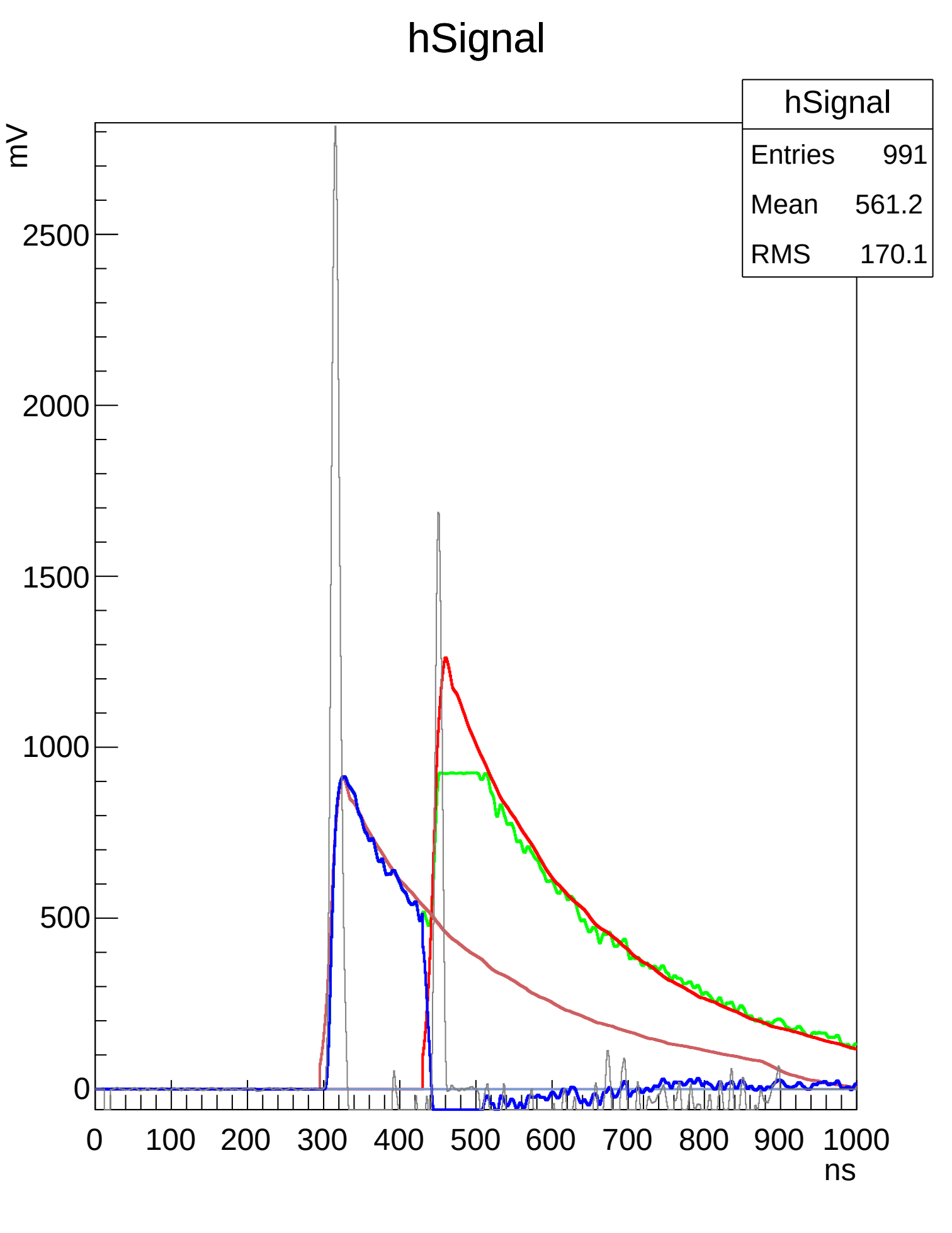

hSignal
hSignal
Entries 991
Mean 558.5
RMS 160.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

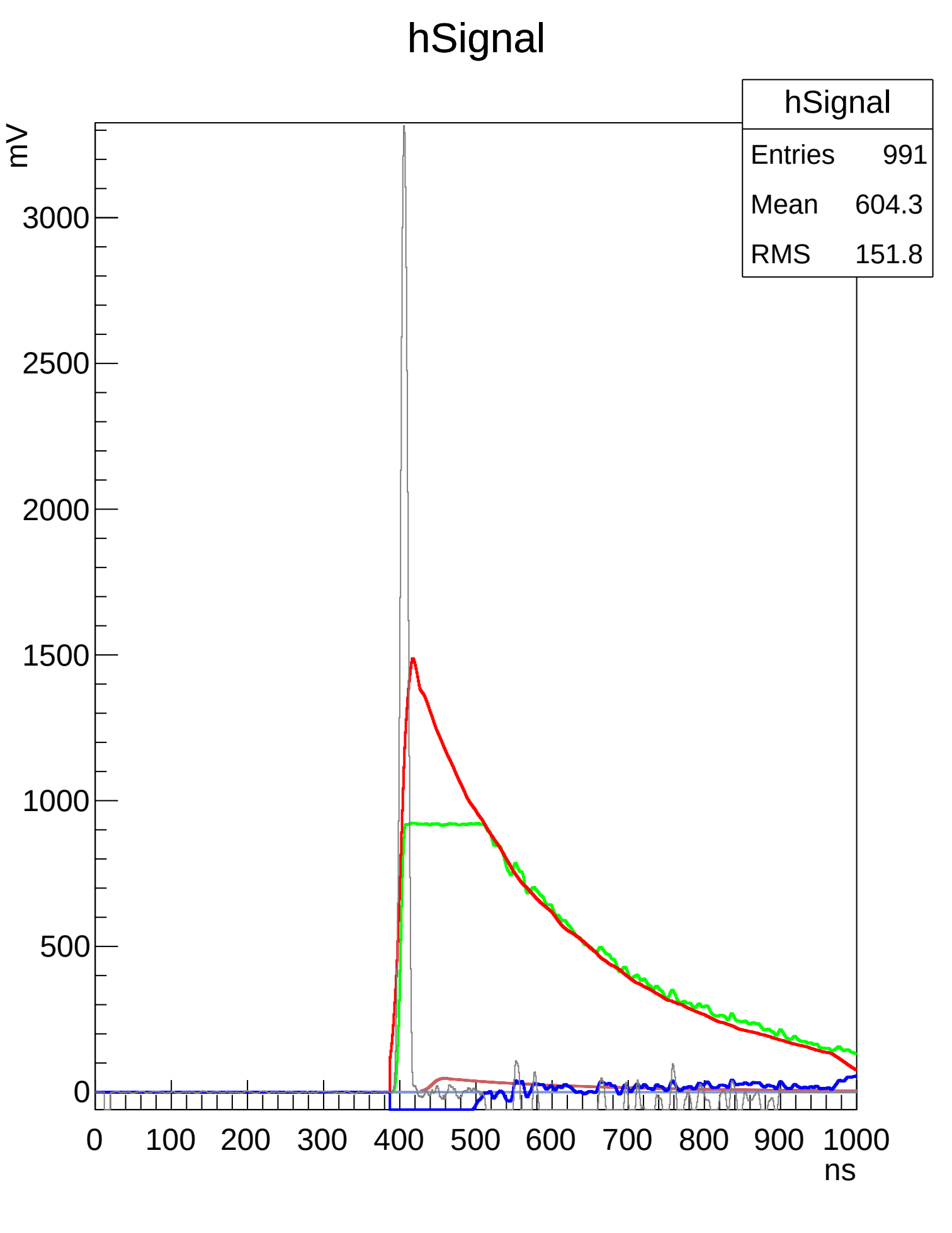

hSignal
hSignal
Entries 991
Mean 613.1
RMS 147.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

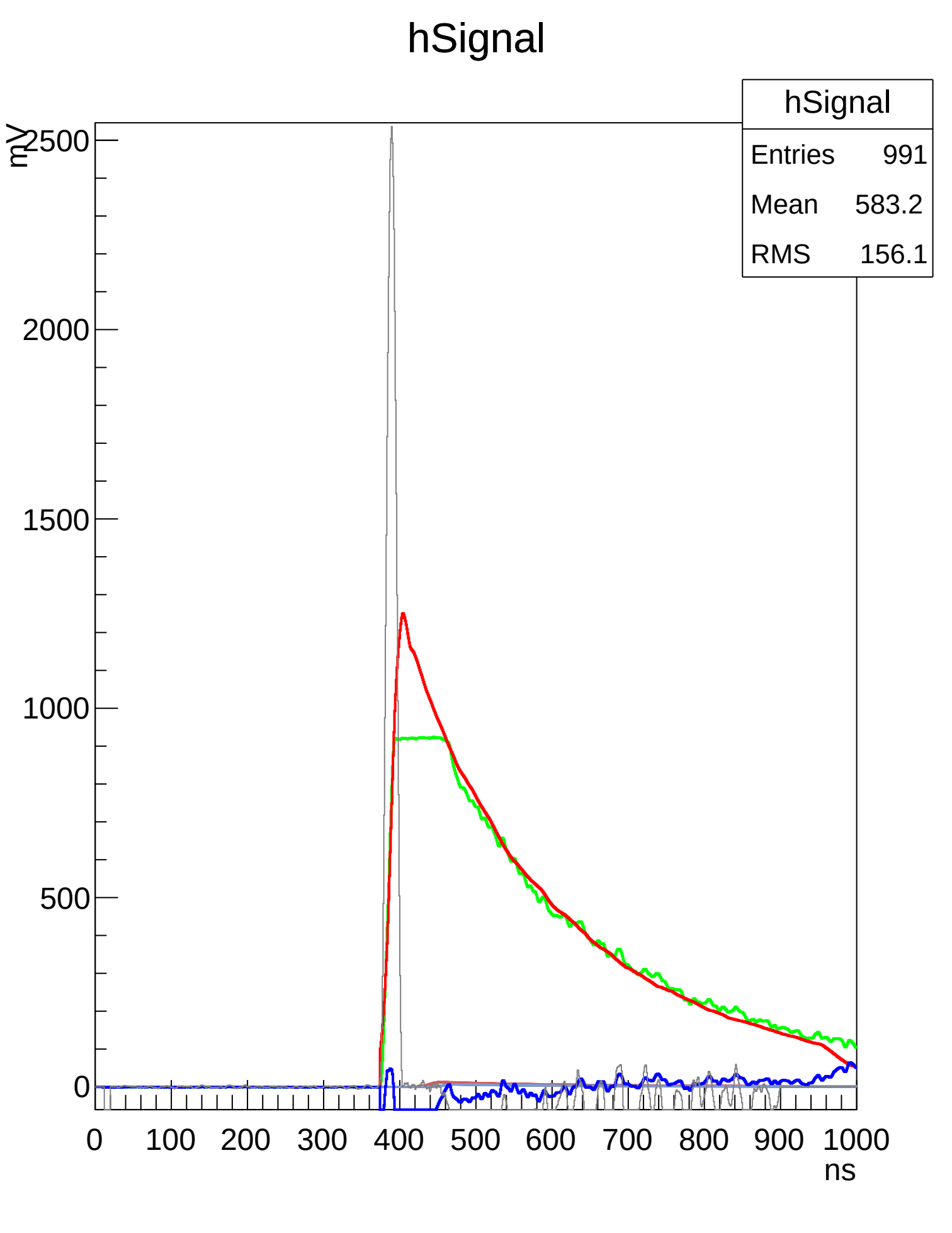

hSignal
hSignal
Entries 991
Mean 624.6
RMS 96.42
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

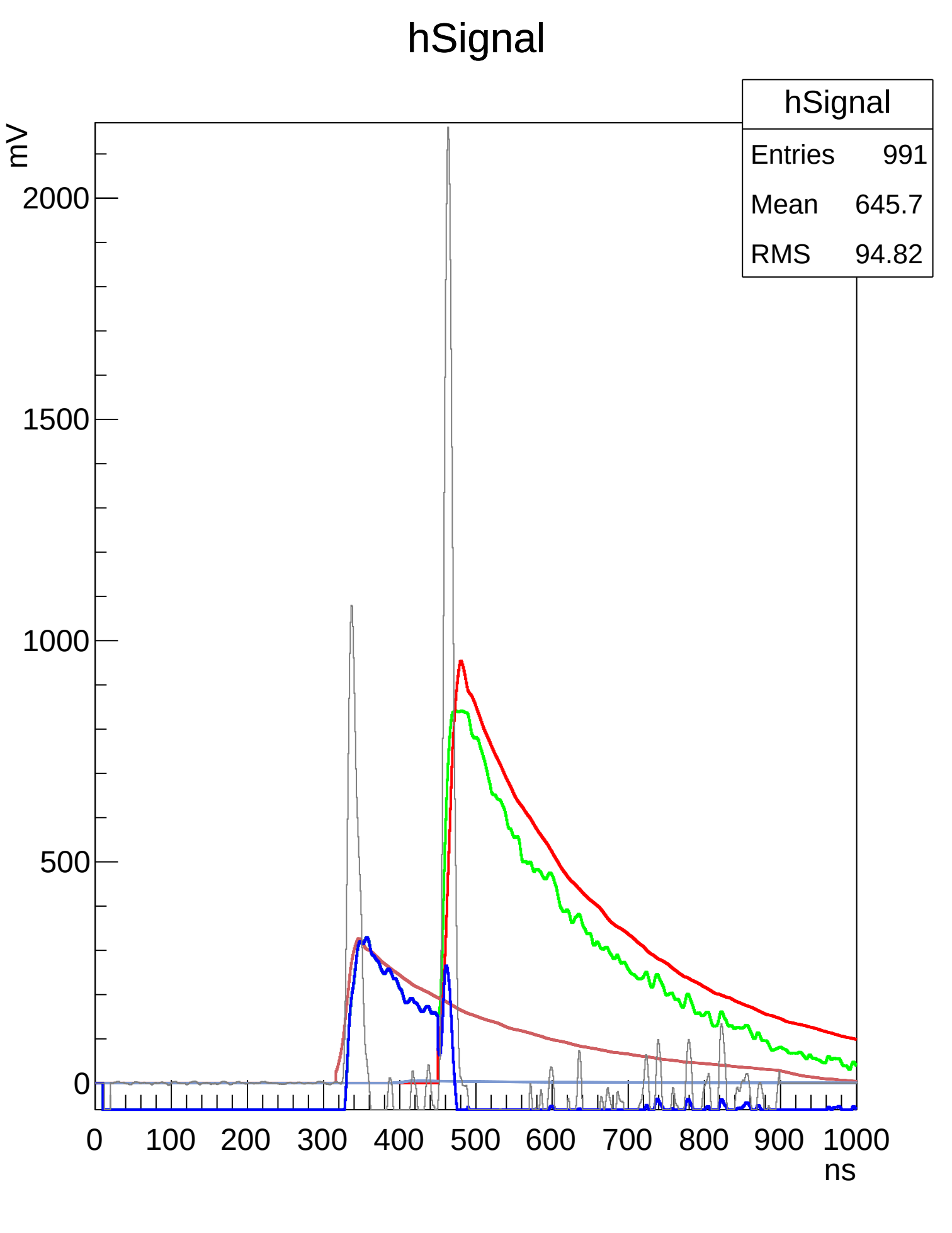

hSignal
hSignal
Entries 991
Mean 575.8
RMS 163.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

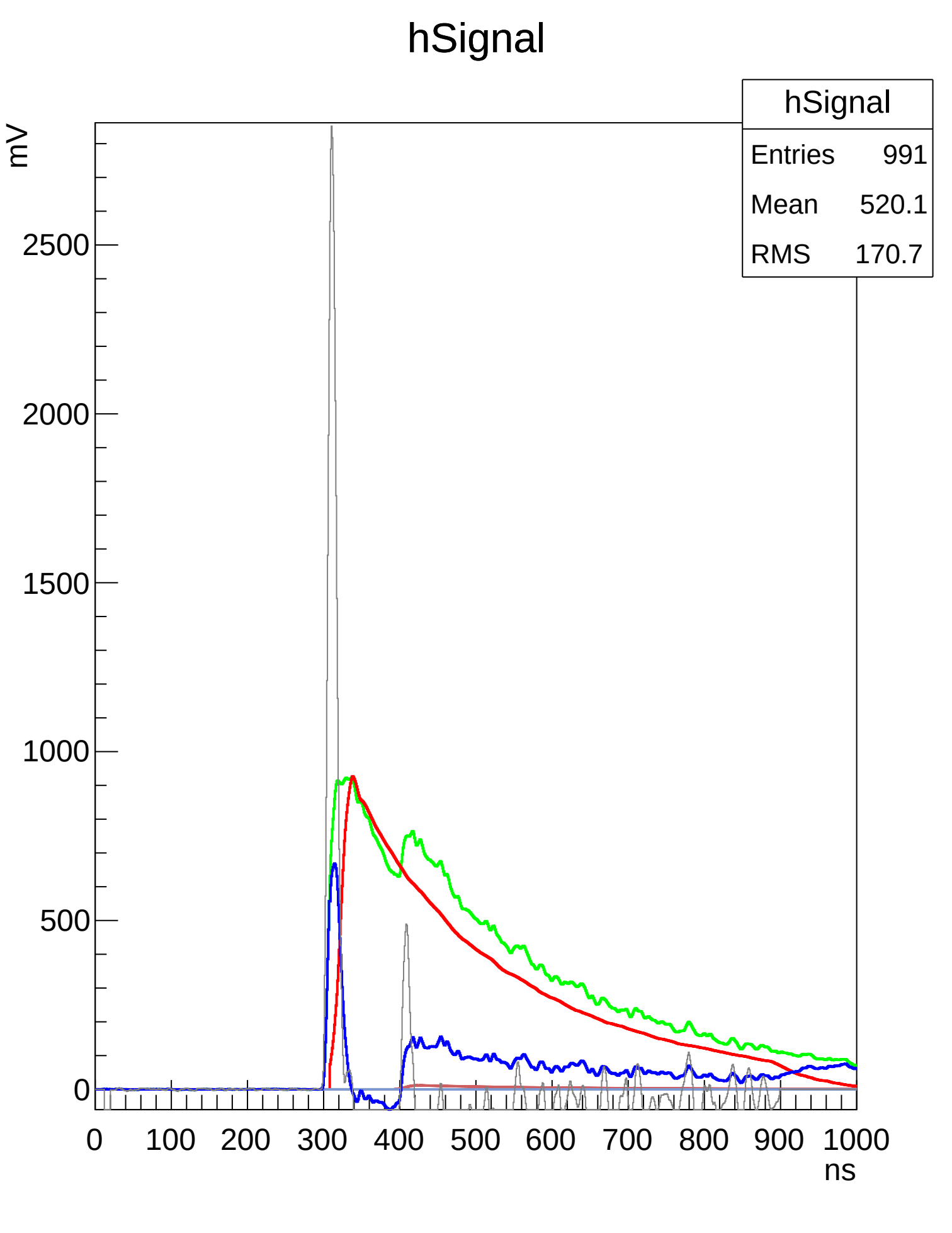

hSignal
hSignal
Entries 991
Mean 519.9
RMS 168.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

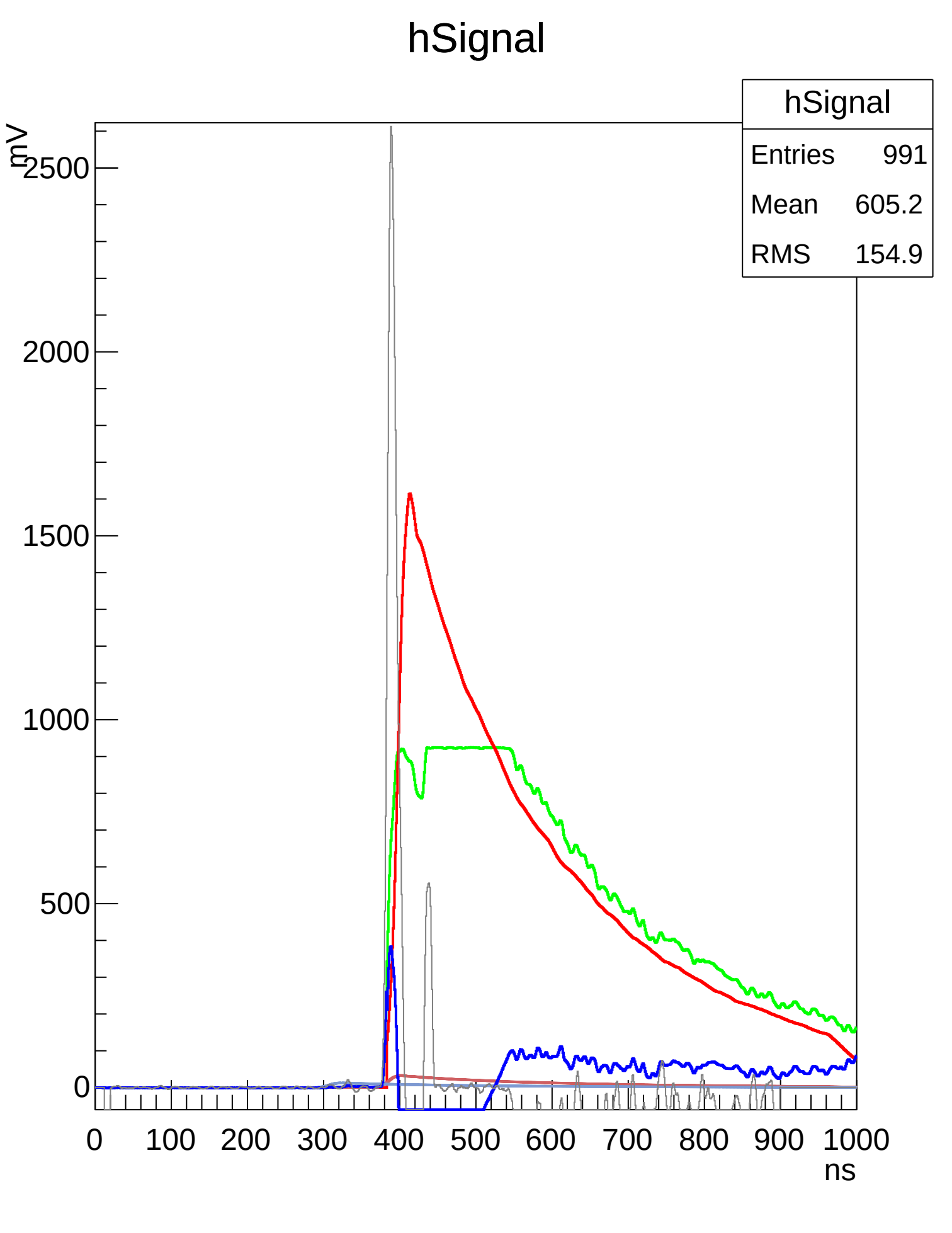

hSignal
hSignal
Entries 991
Mean 561.2
RMS 170.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

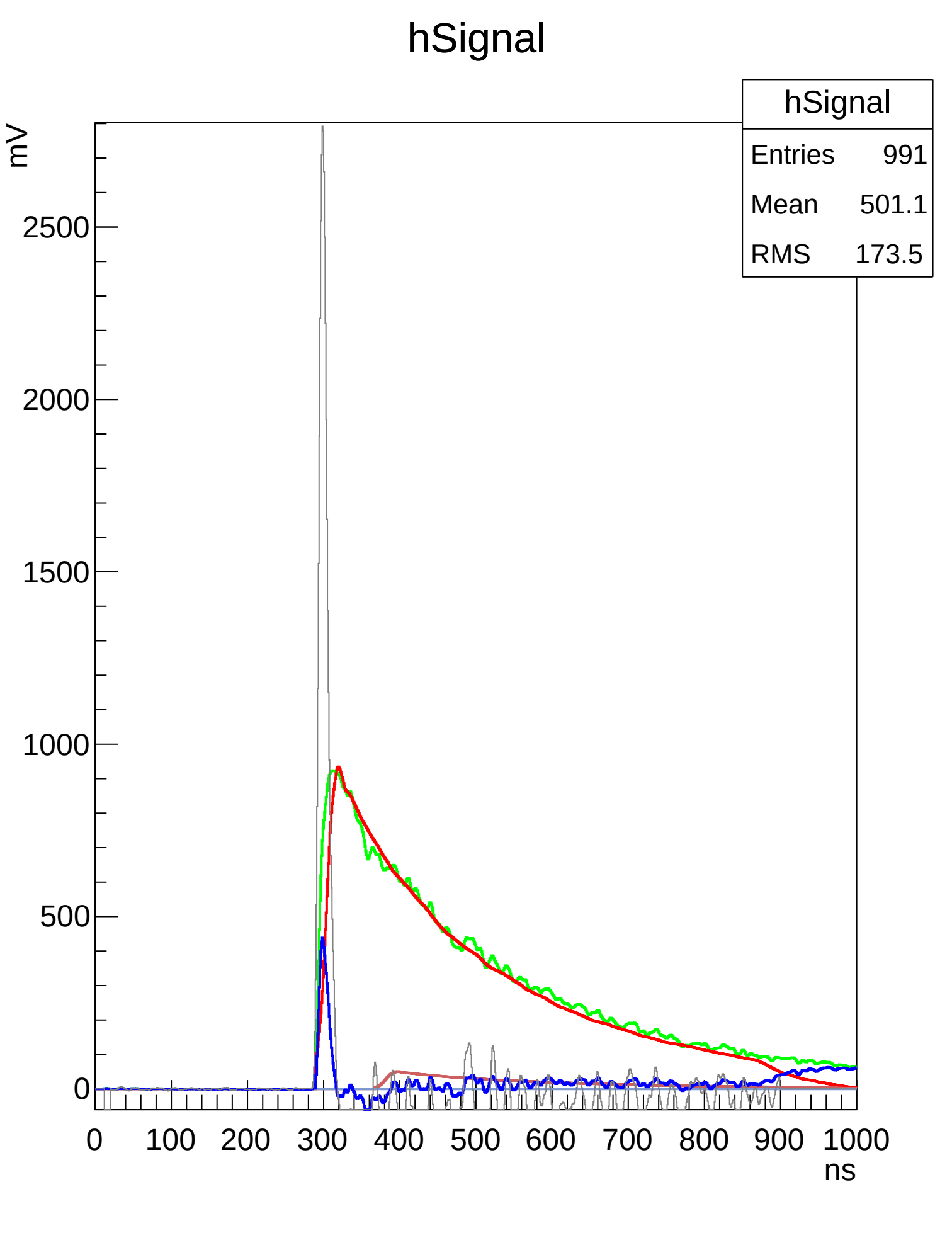

hSignal
hSignal
Entries 991
Mean 604.3
RMS 151.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

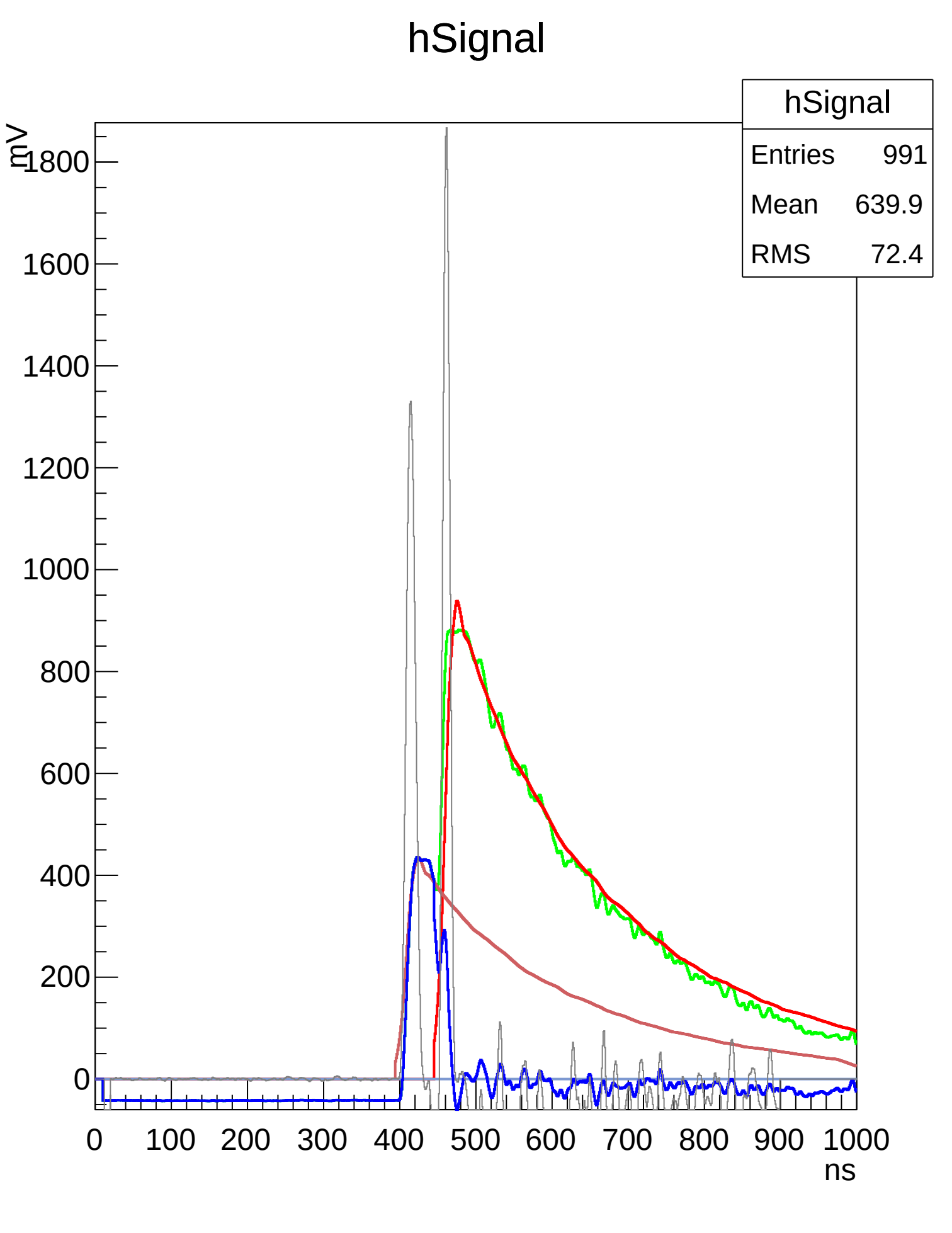

hSignal
hSignal
Entries 991
Mean 583.2
RMS 156.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

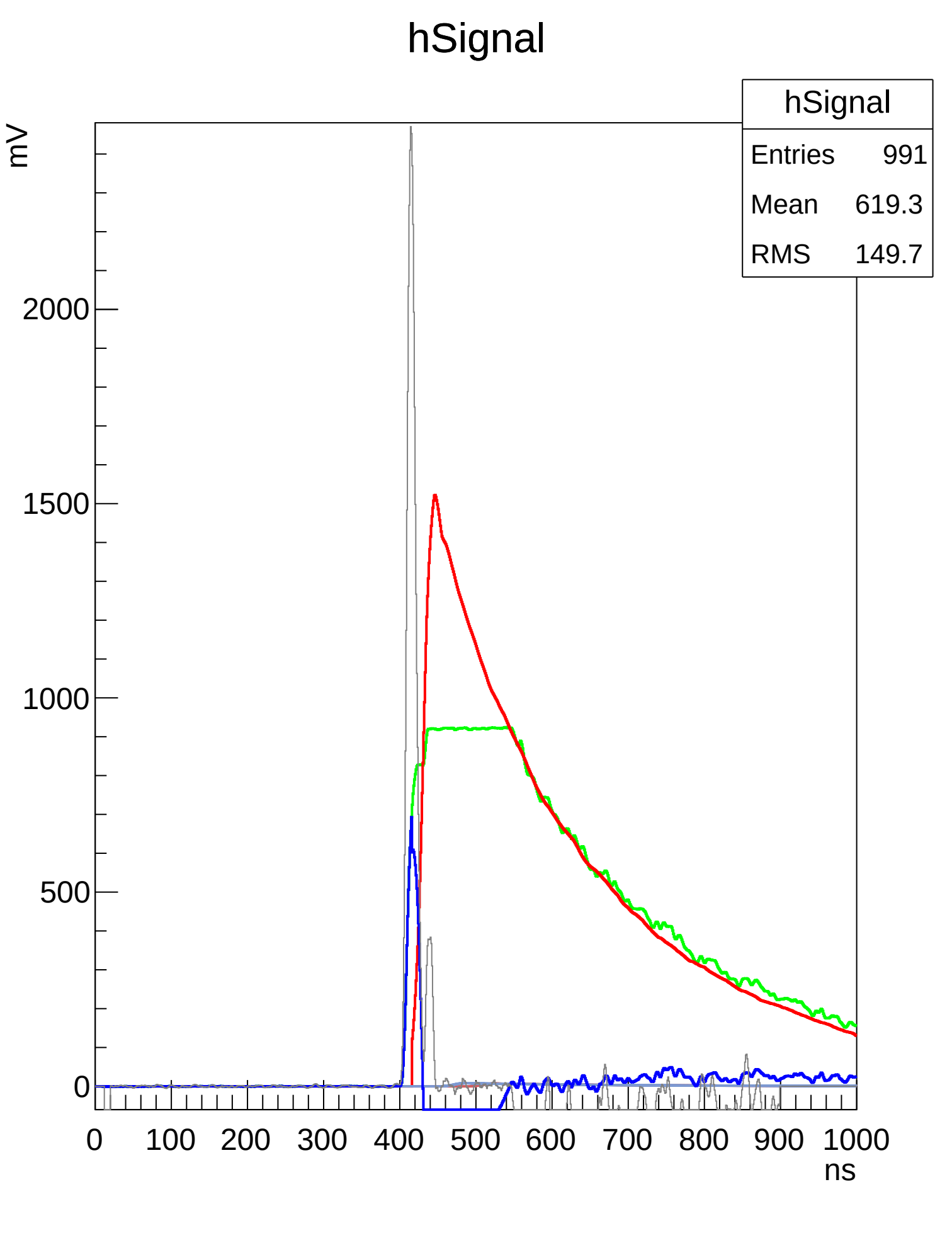

hSignal
hSignal
Entries 991
Mean 645.7
RMS 94.82
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

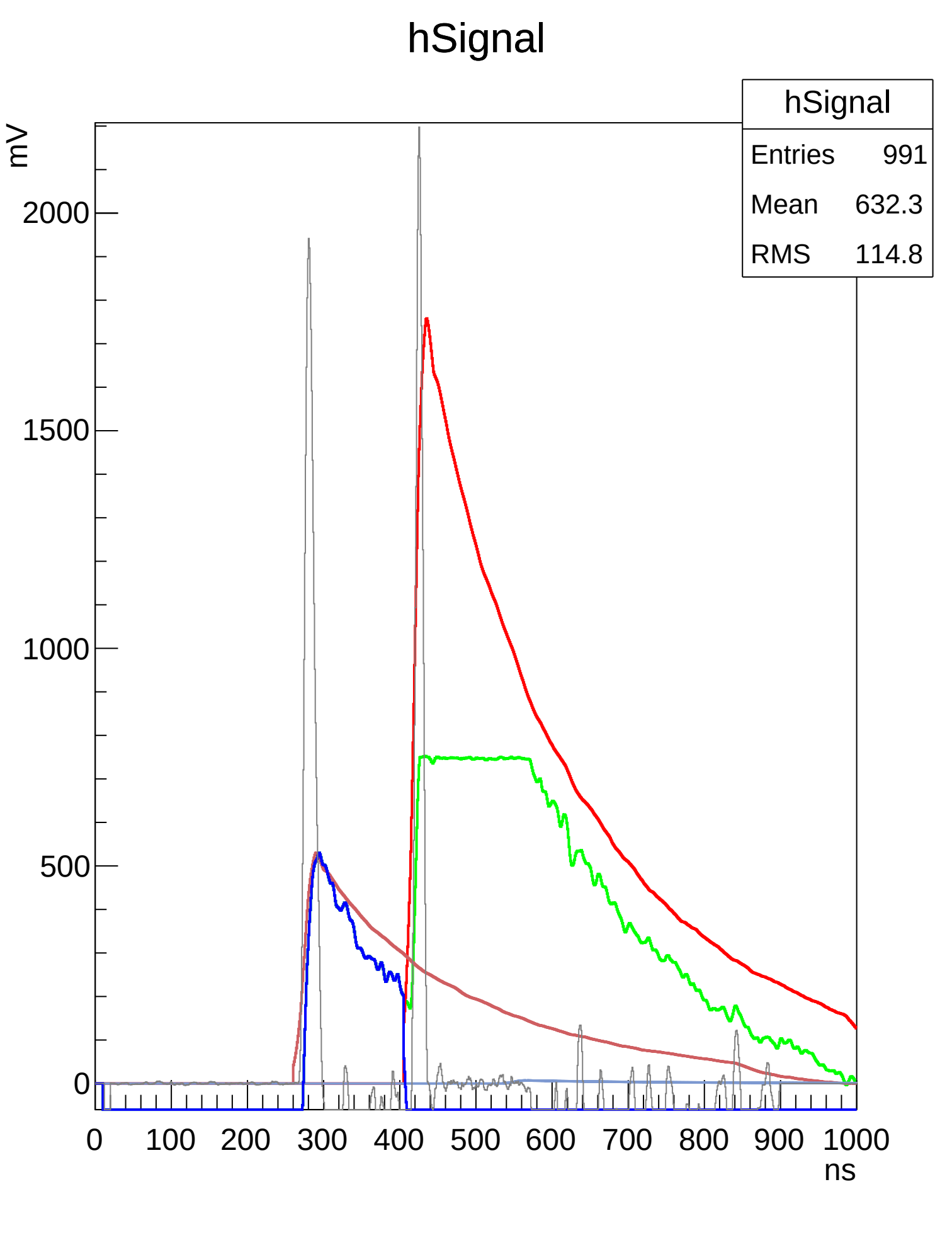

hSignal
hSignal
Entries 991
Mean 520.1
RMS 170.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

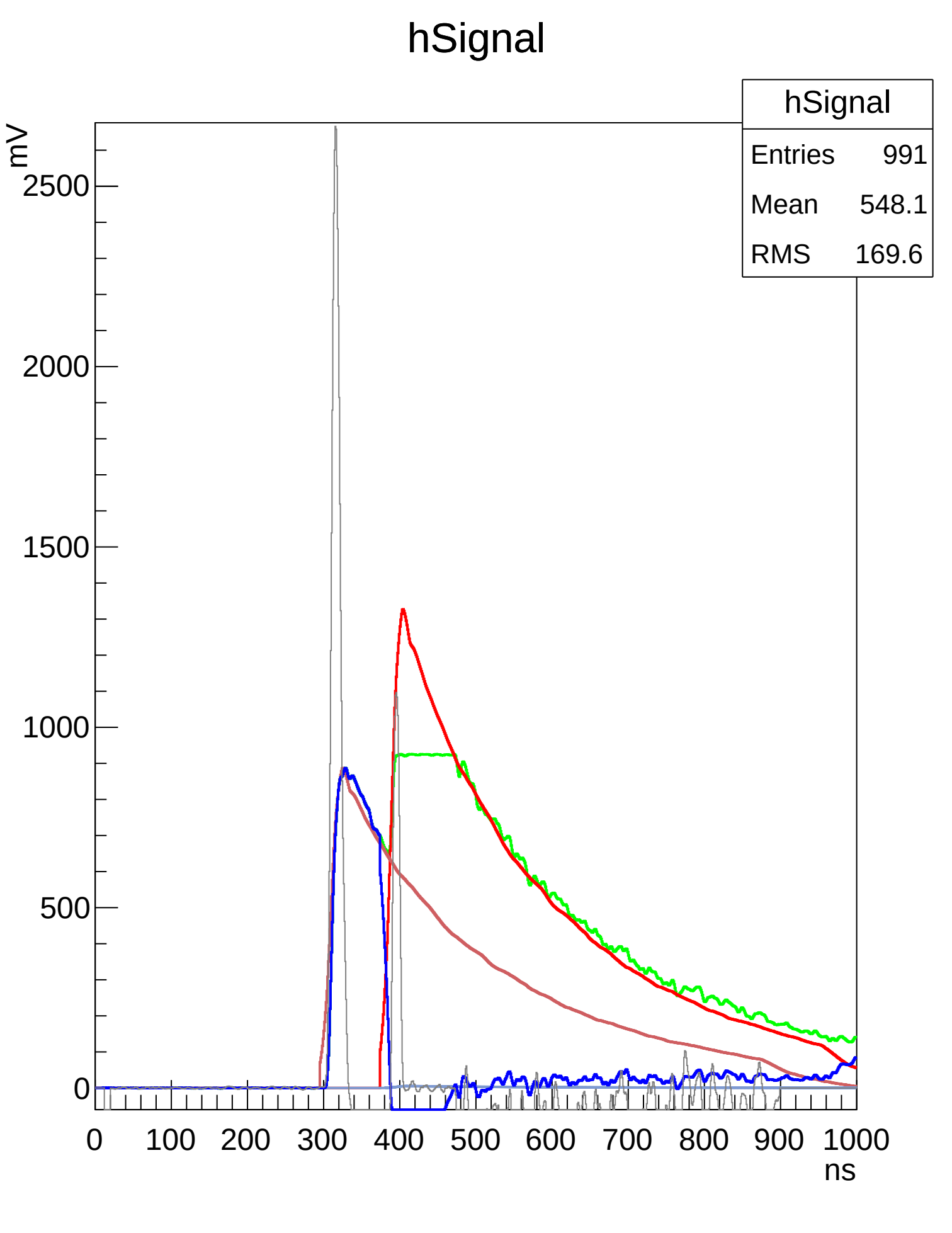

hSignal
hSignal
Entries 991
Mean 605.2
RMS 154.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

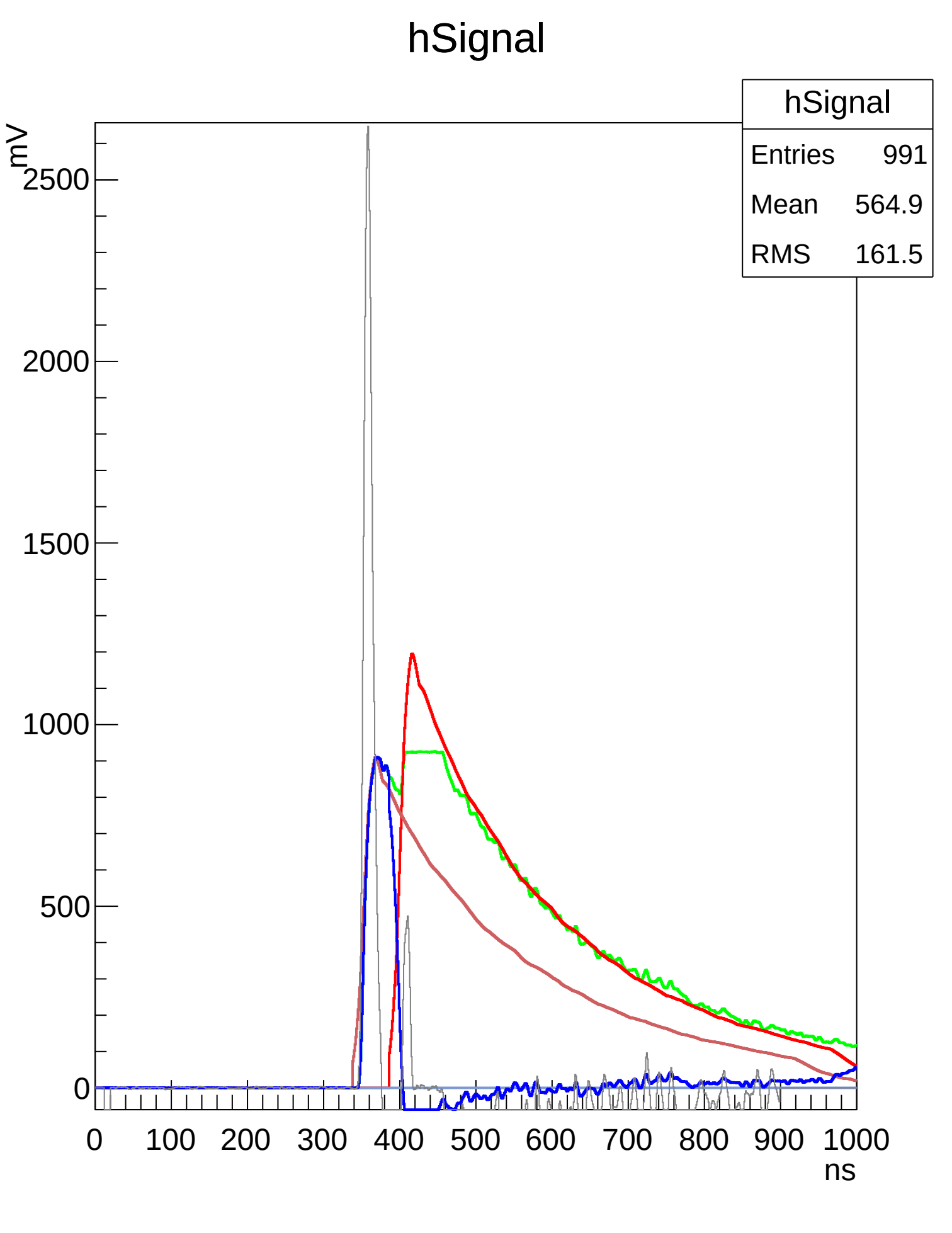

hSignal
hSignal
Entries 991
Mean 501.1
RMS 173.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

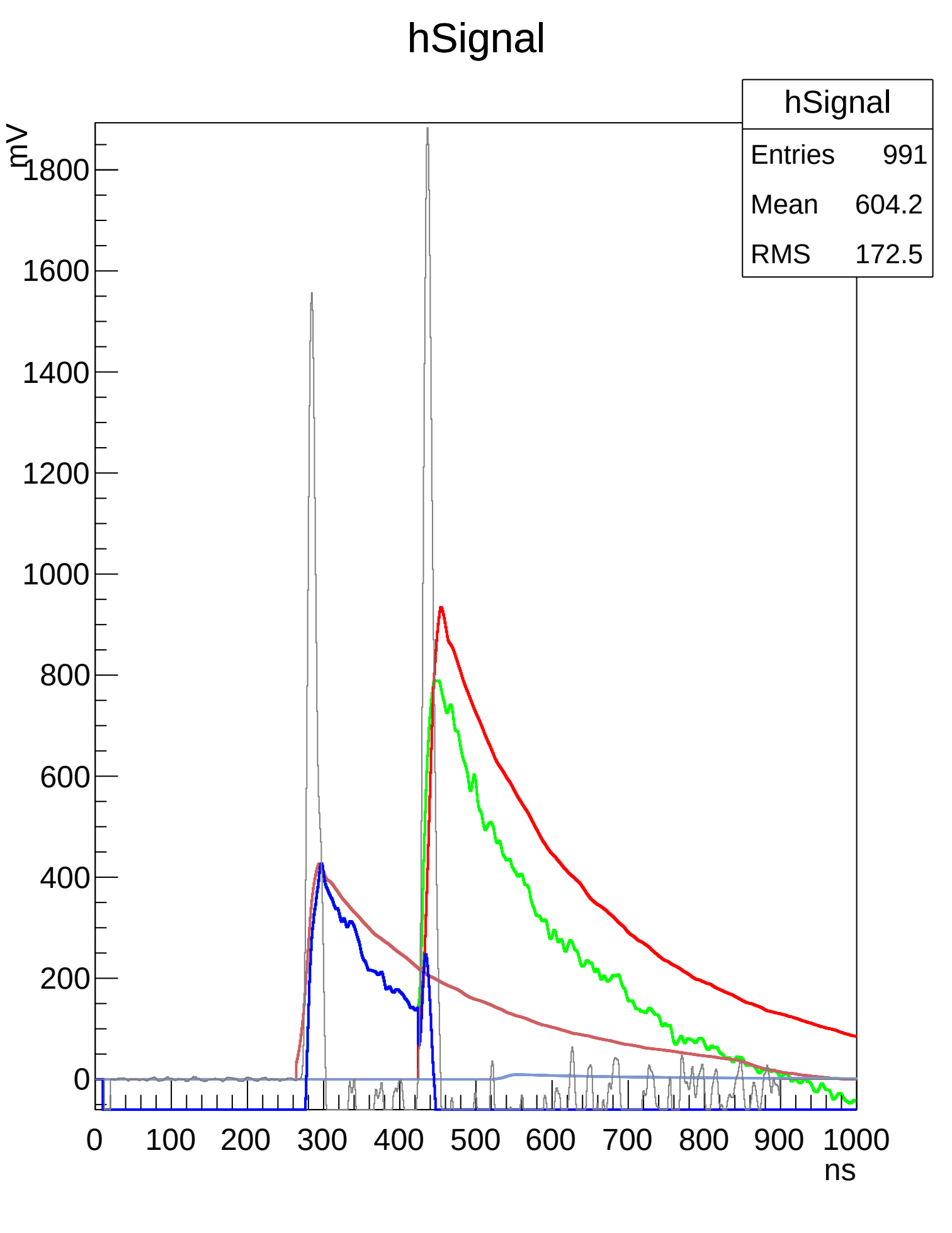

hSignal
hSignal
Entries 991
Mean 639.9
RMS 72.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

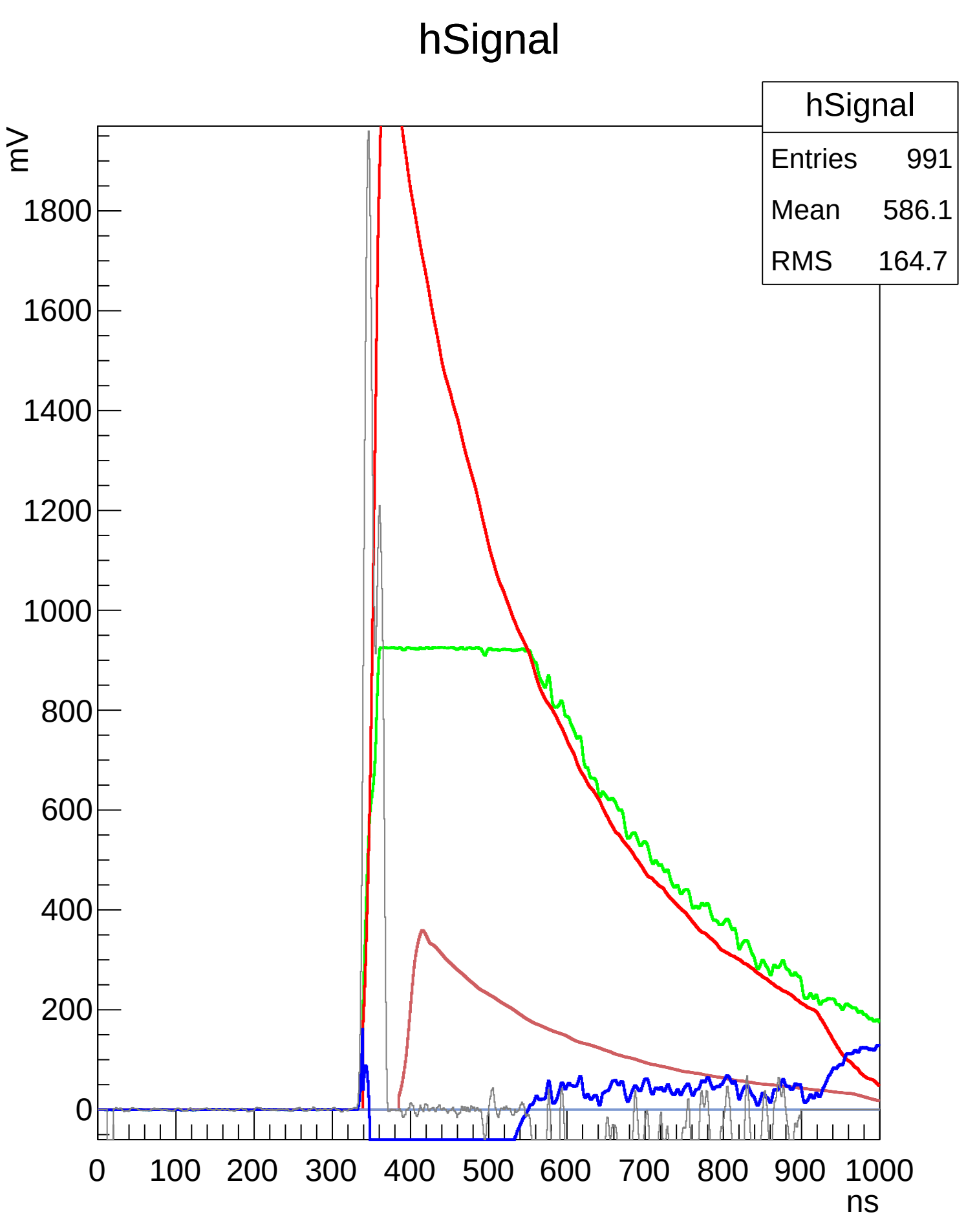

hSignal
hSignal
Entries 991
Mean 619.3
RMS 149.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

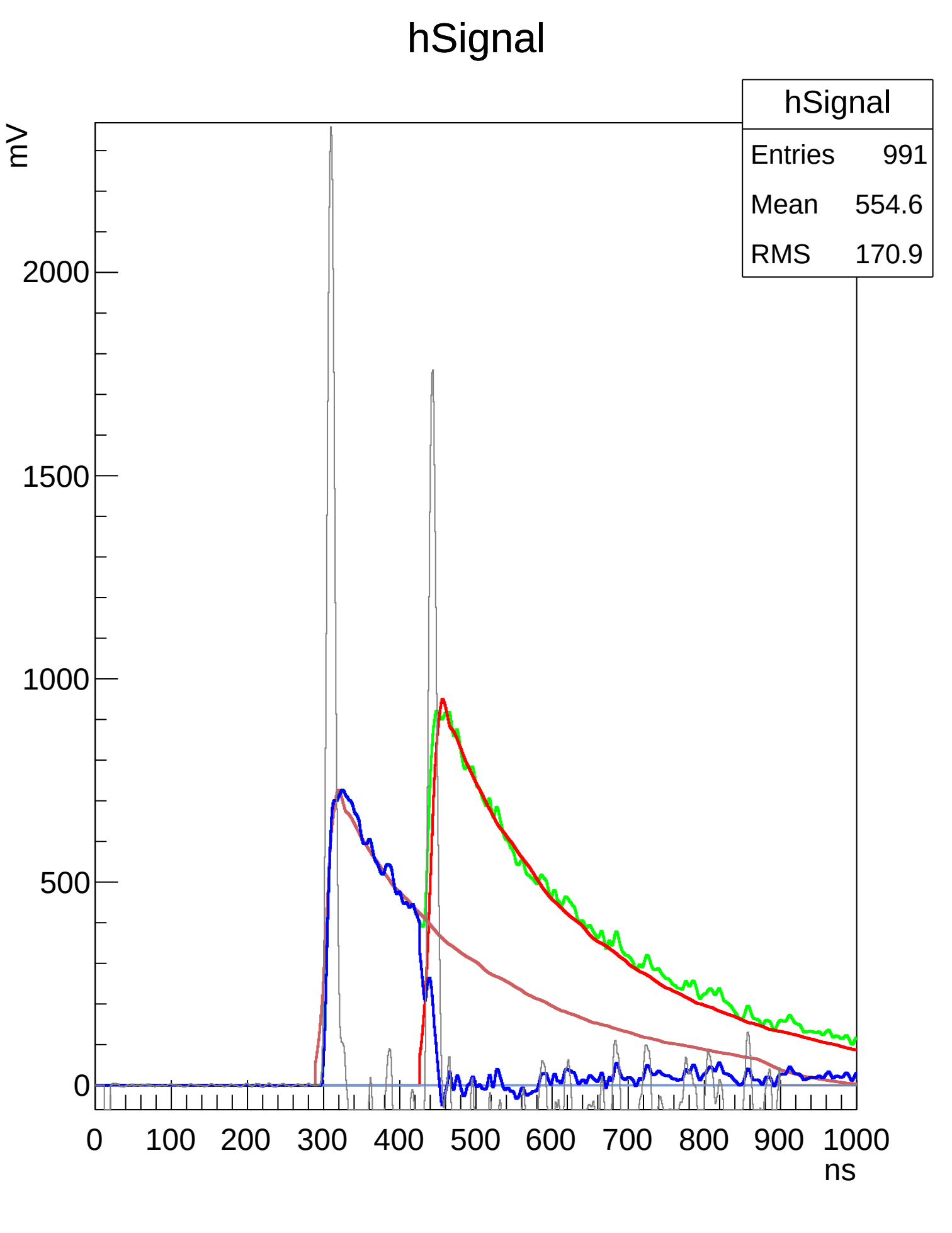

hSignal
hSignal
Entries 991
Mean 632.3
RMS 114.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

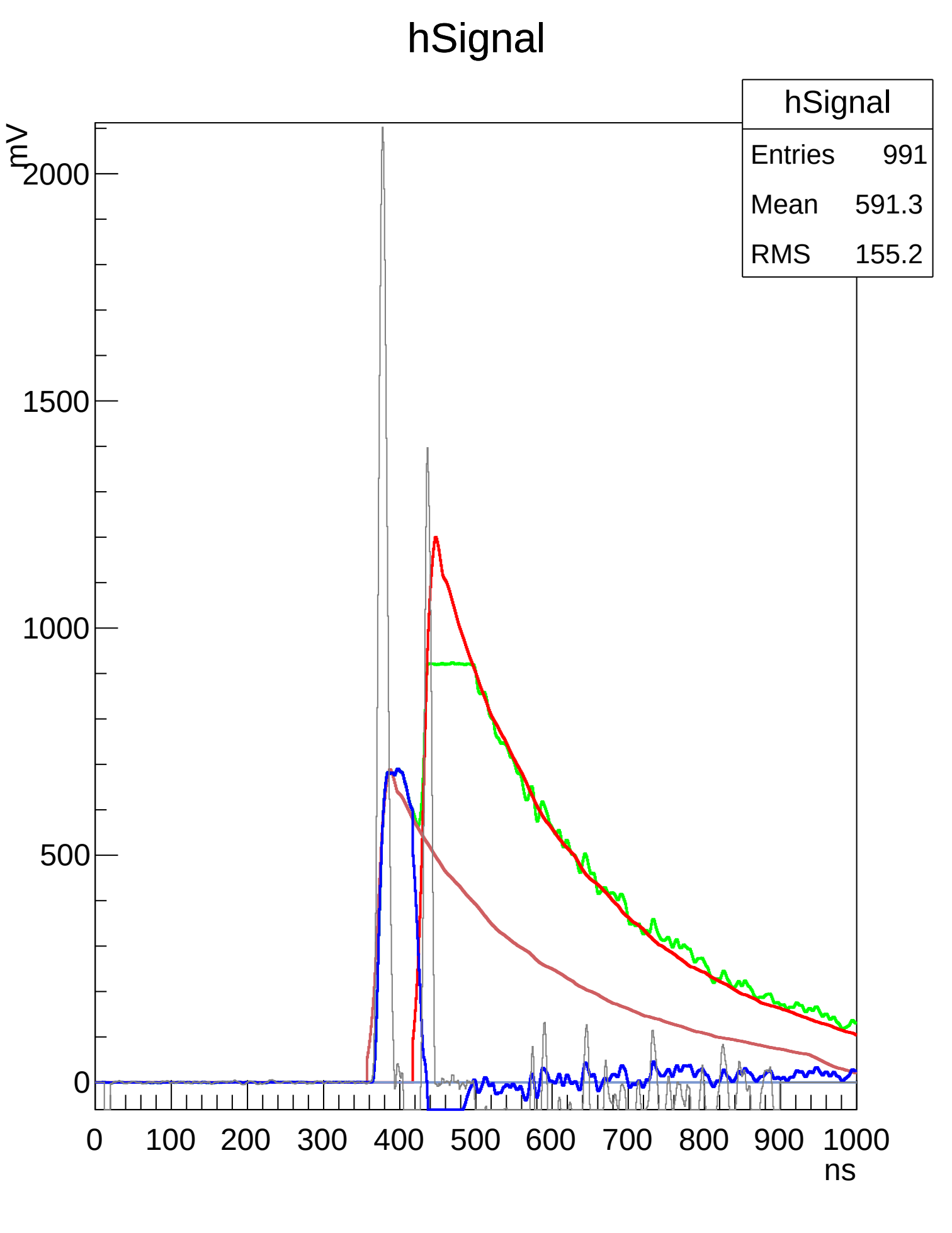

hSignal
hSignal
Entries 991
Mean 548.1
RMS 169.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

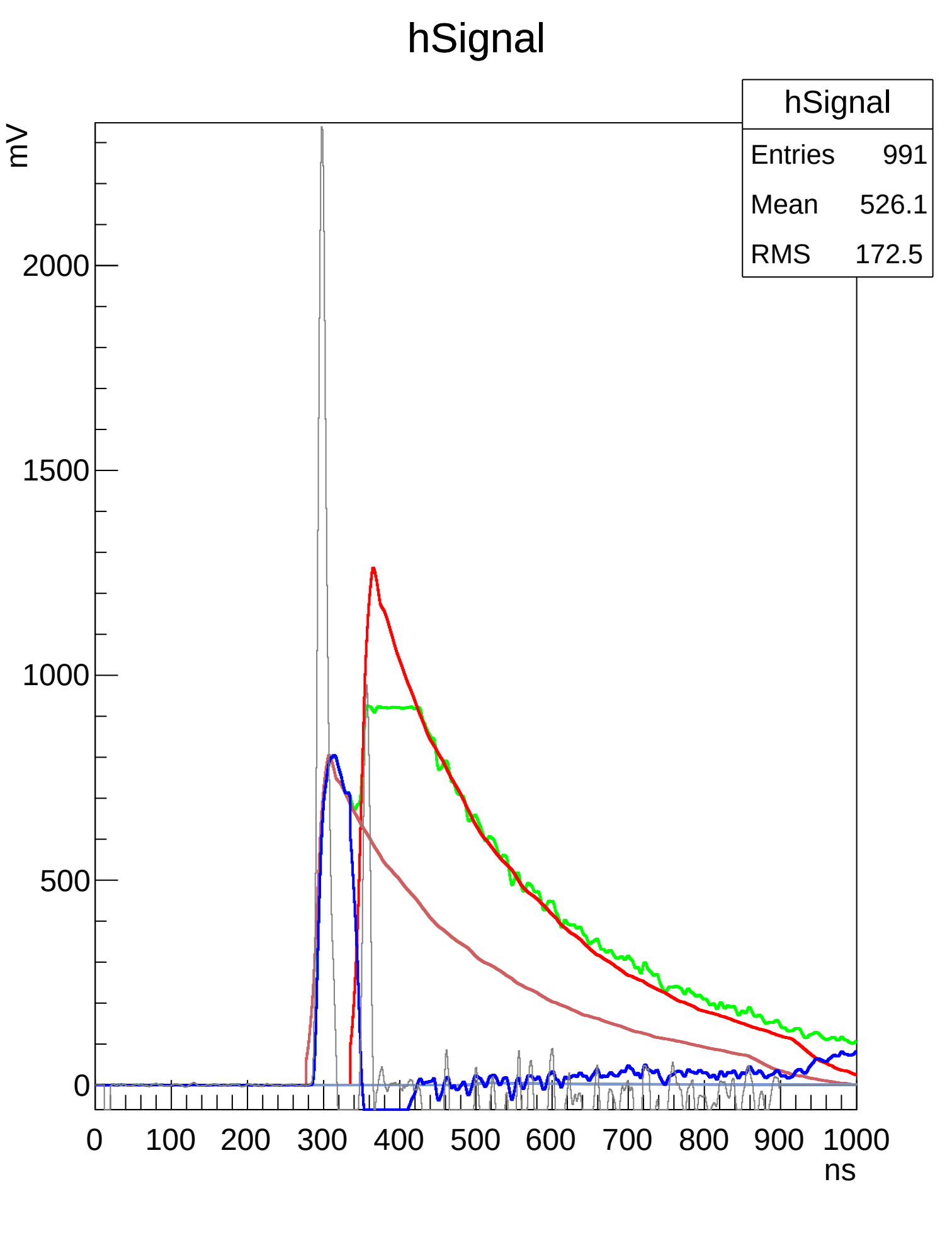

hSignal
hSignal
Entries 991
Mean 564.9
RMS 161.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

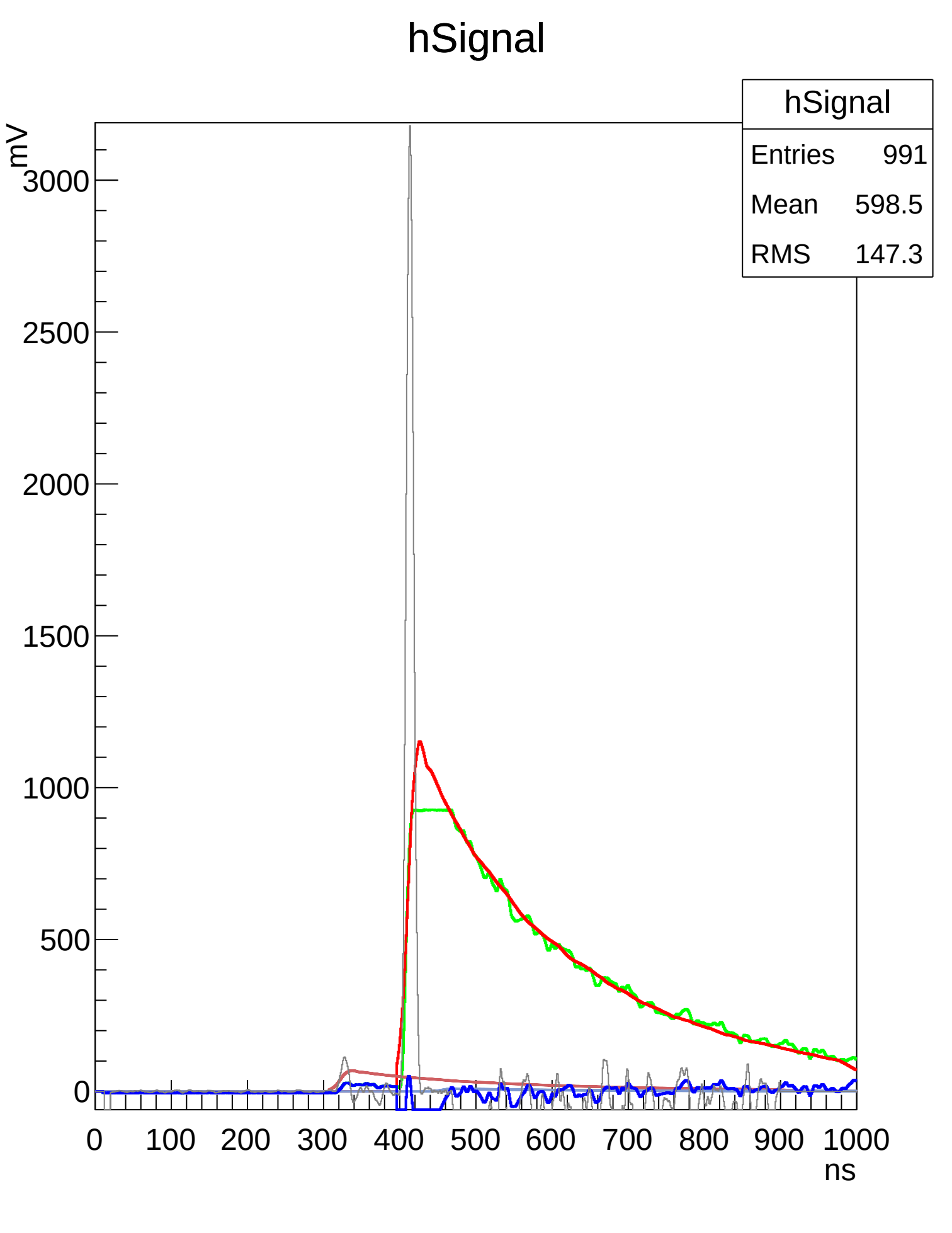

hSignal
hSignal
Entries 991
Mean 604.2
RMS 172.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

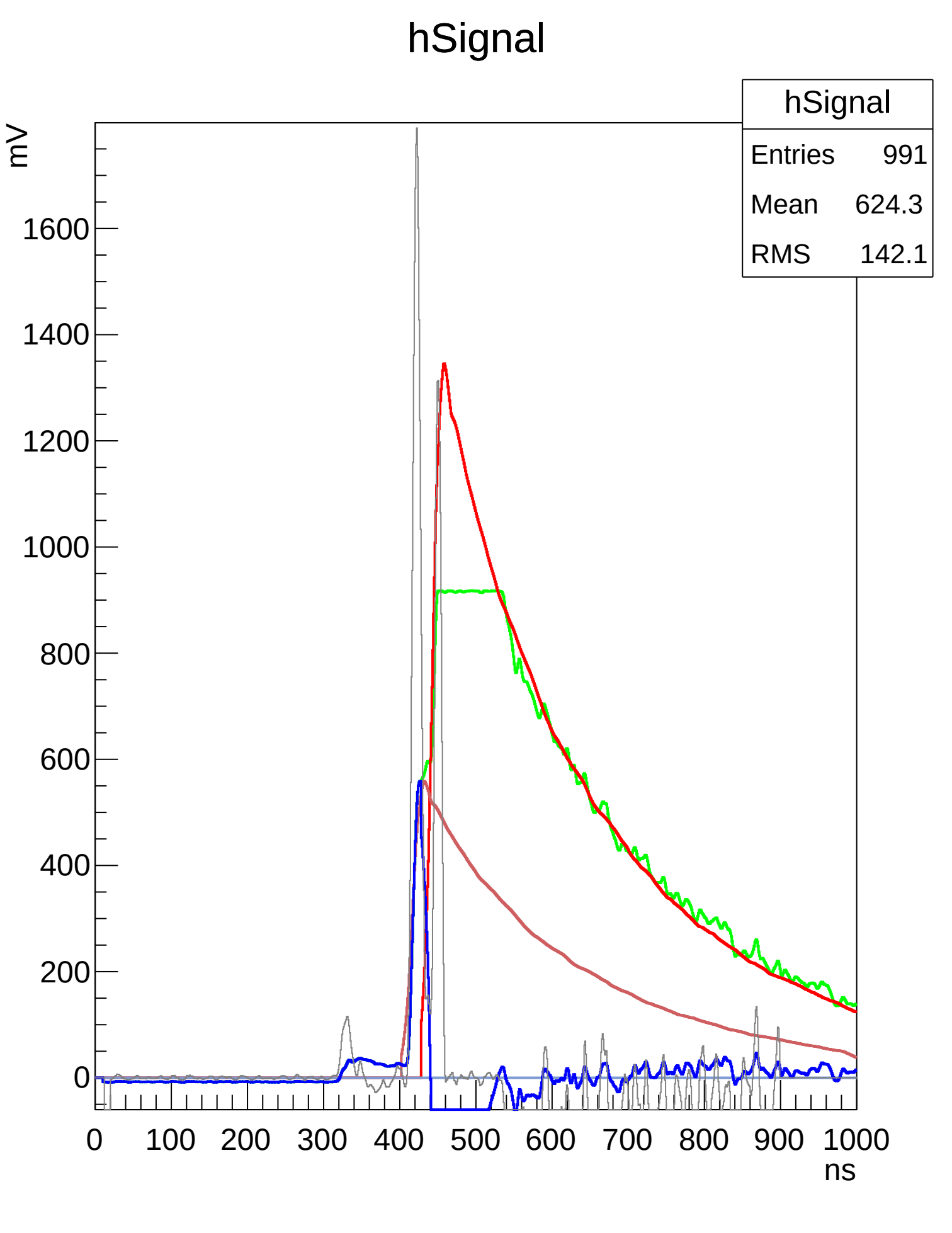

hSignal
hSignal
Entries 991
Mean 586.1
RMS 164.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

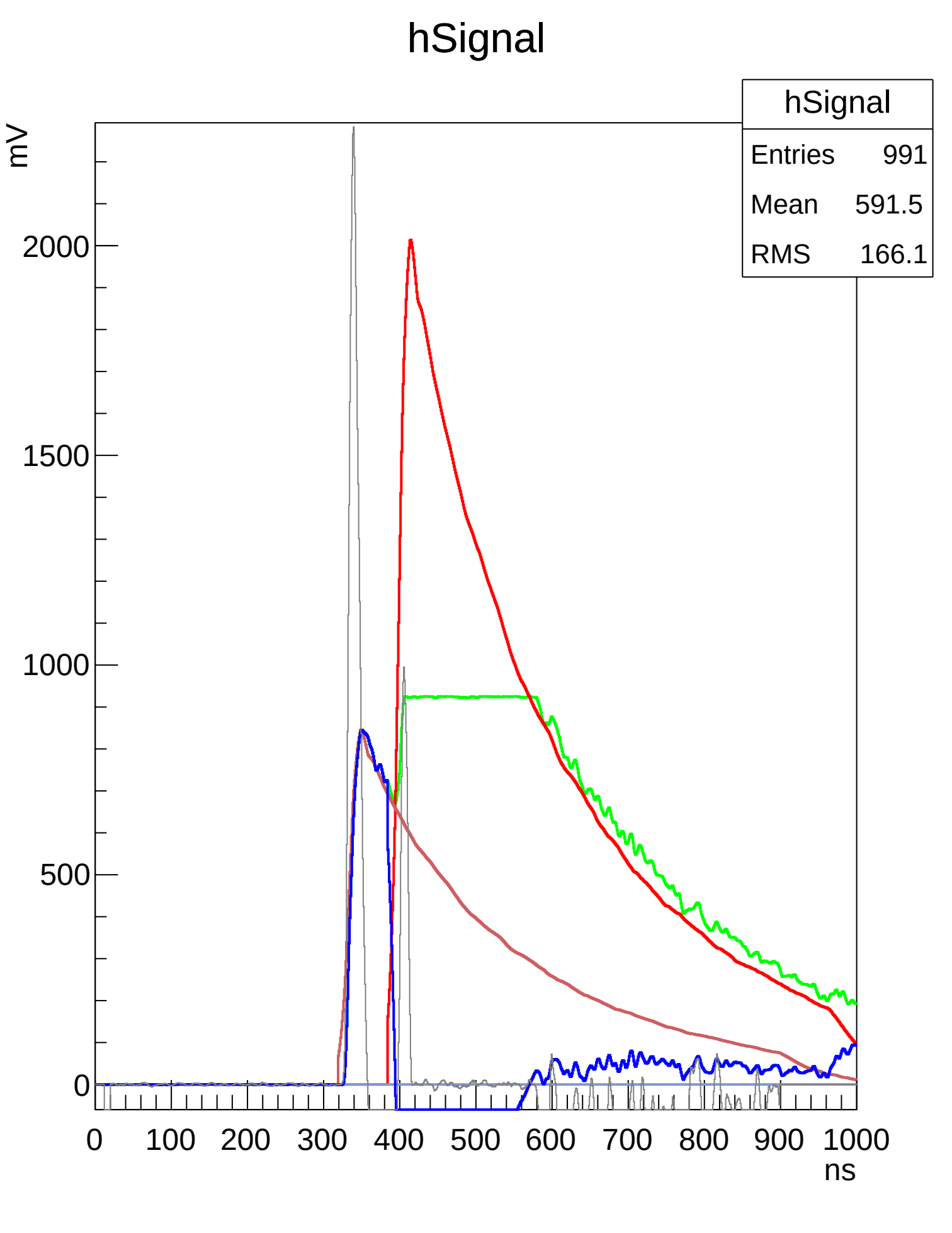

hSignal
hSignal
Entries 991
Mean 554.6
RMS 170.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

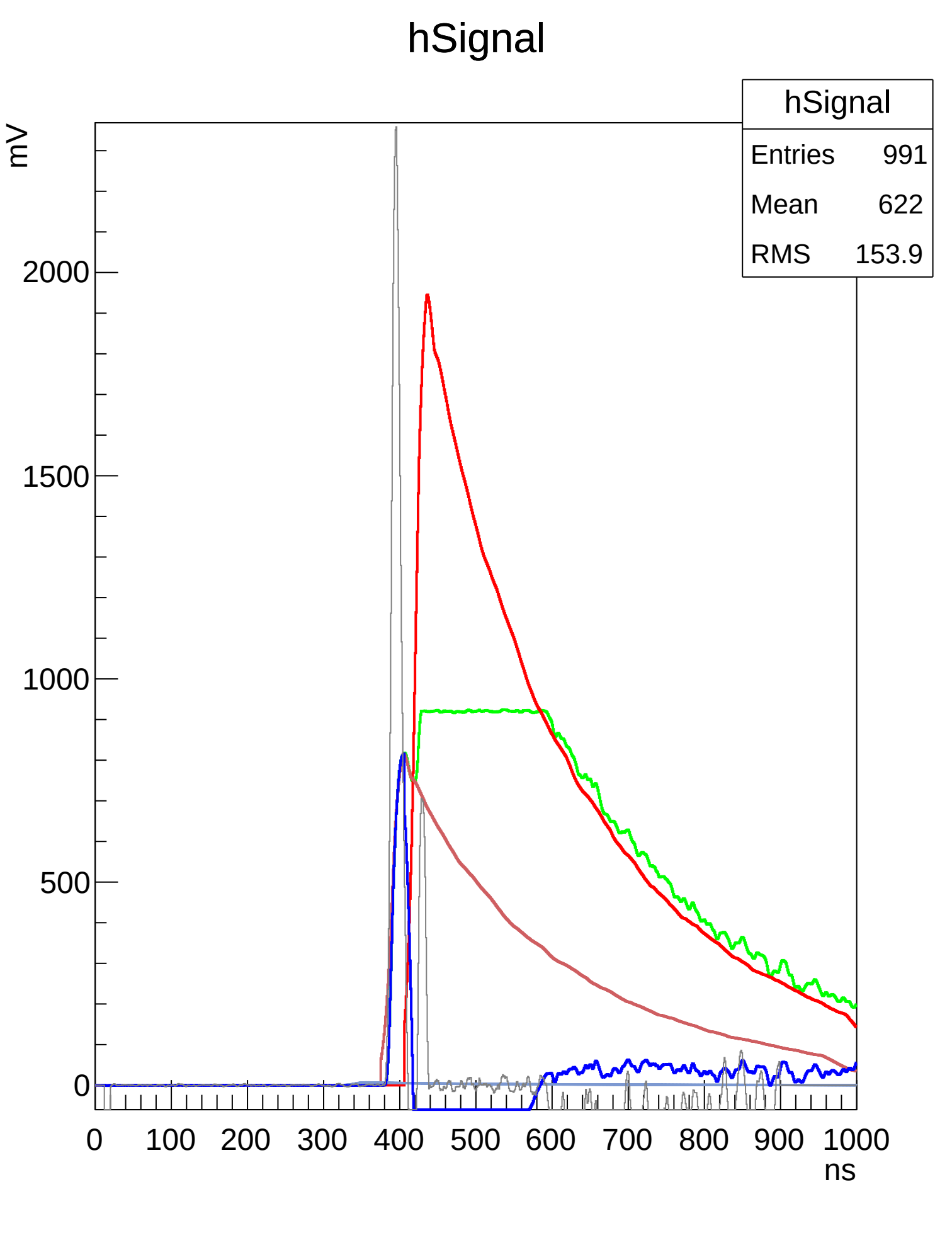

hSignal
hSignal
Entries 991
Mean 591.3
RMS 155.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

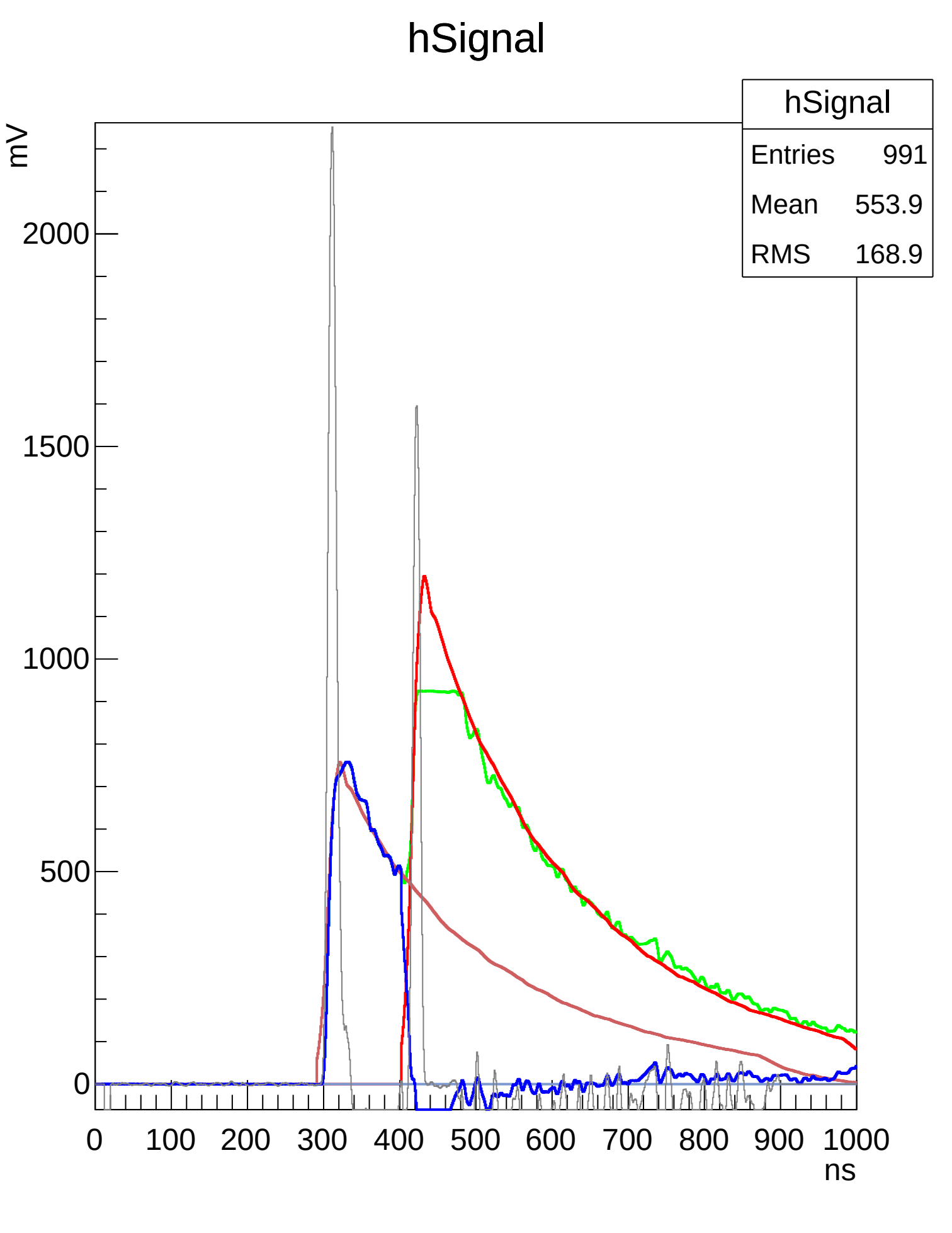

hSignal
hSignal
Entries 991
Mean 526.1
RMS 172.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

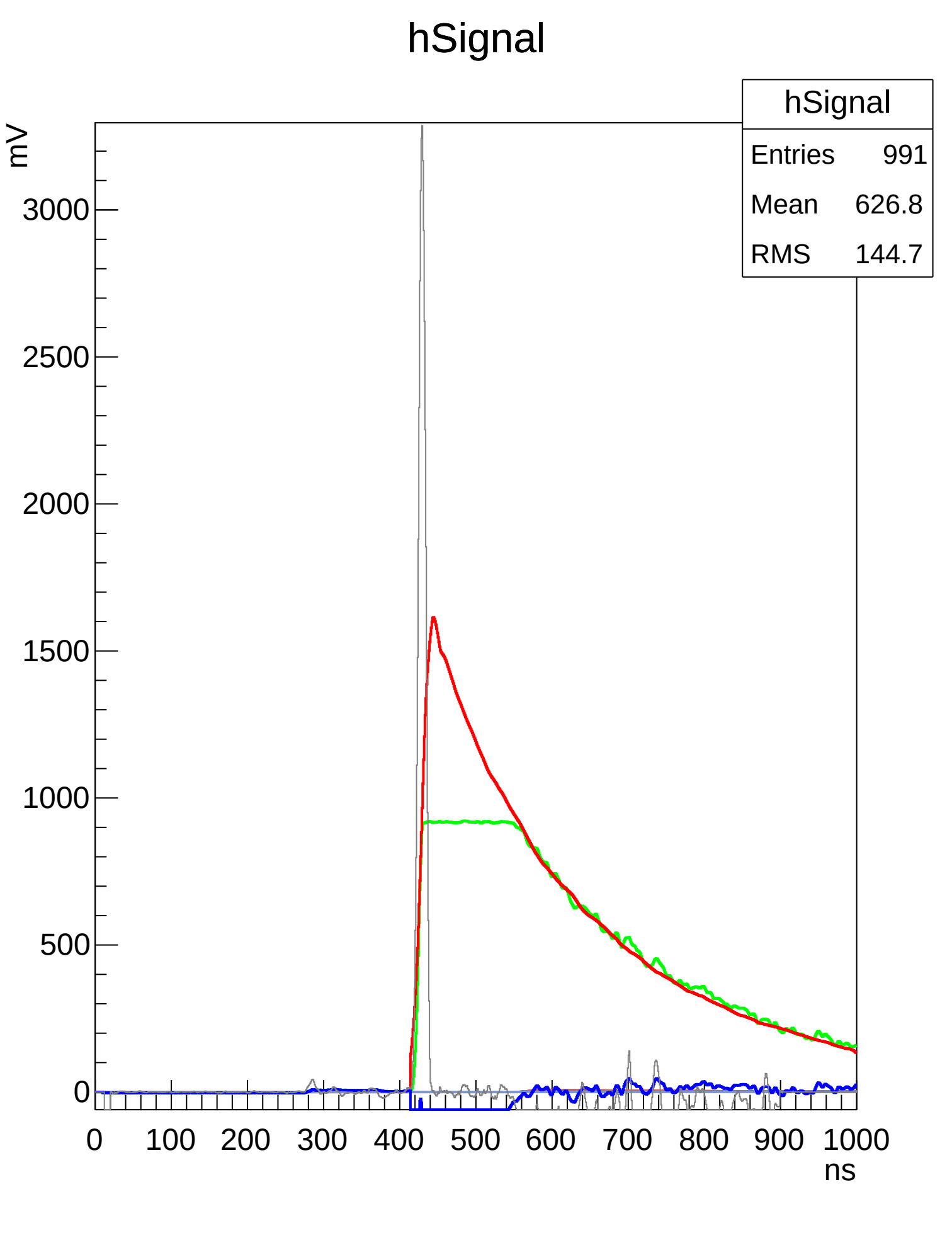

hSignal
hSignal
Entries 991
Mean 598.5
RMS 147.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

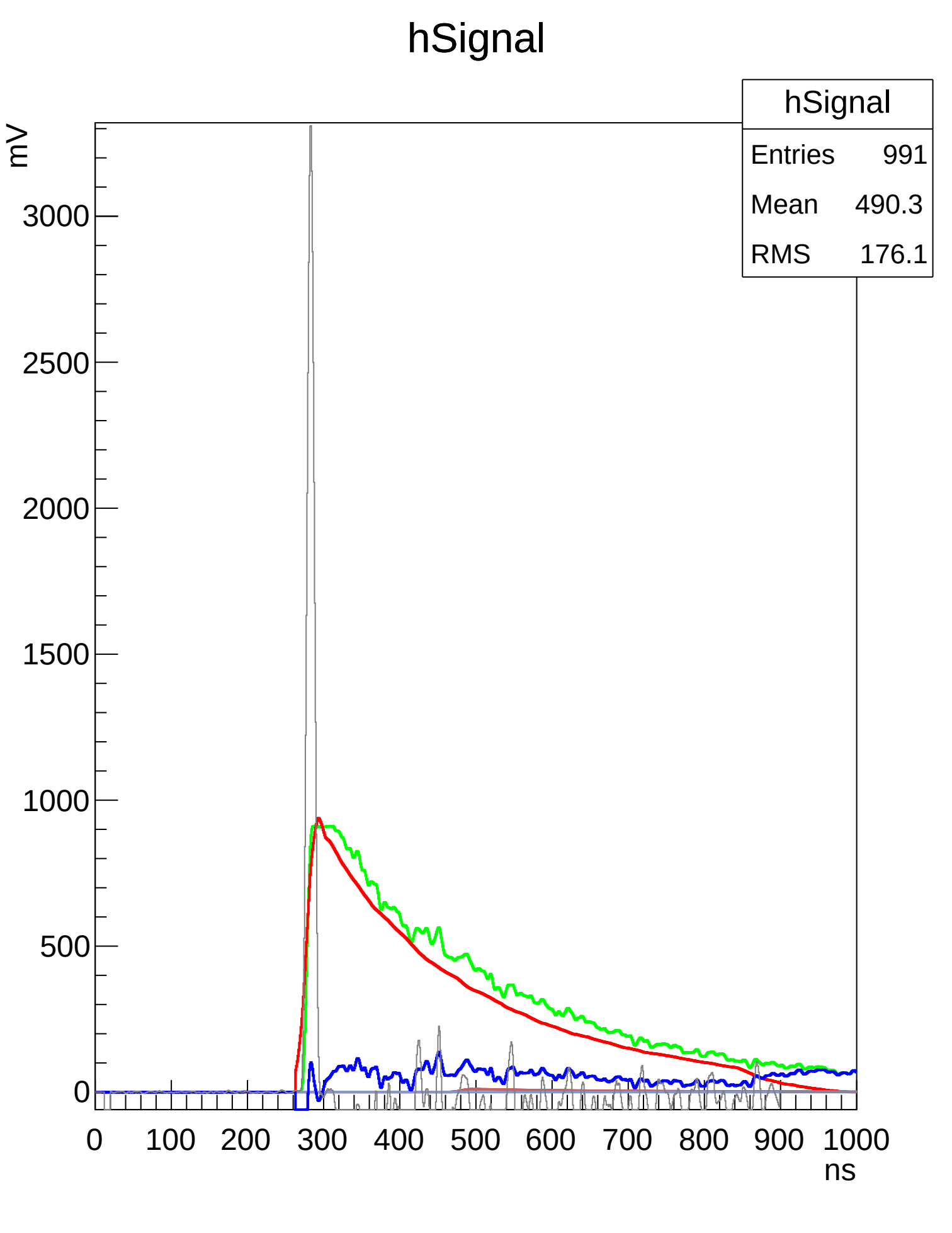

hSignal
hSignal
Entries 991
Mean 624.3
RMS 142.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

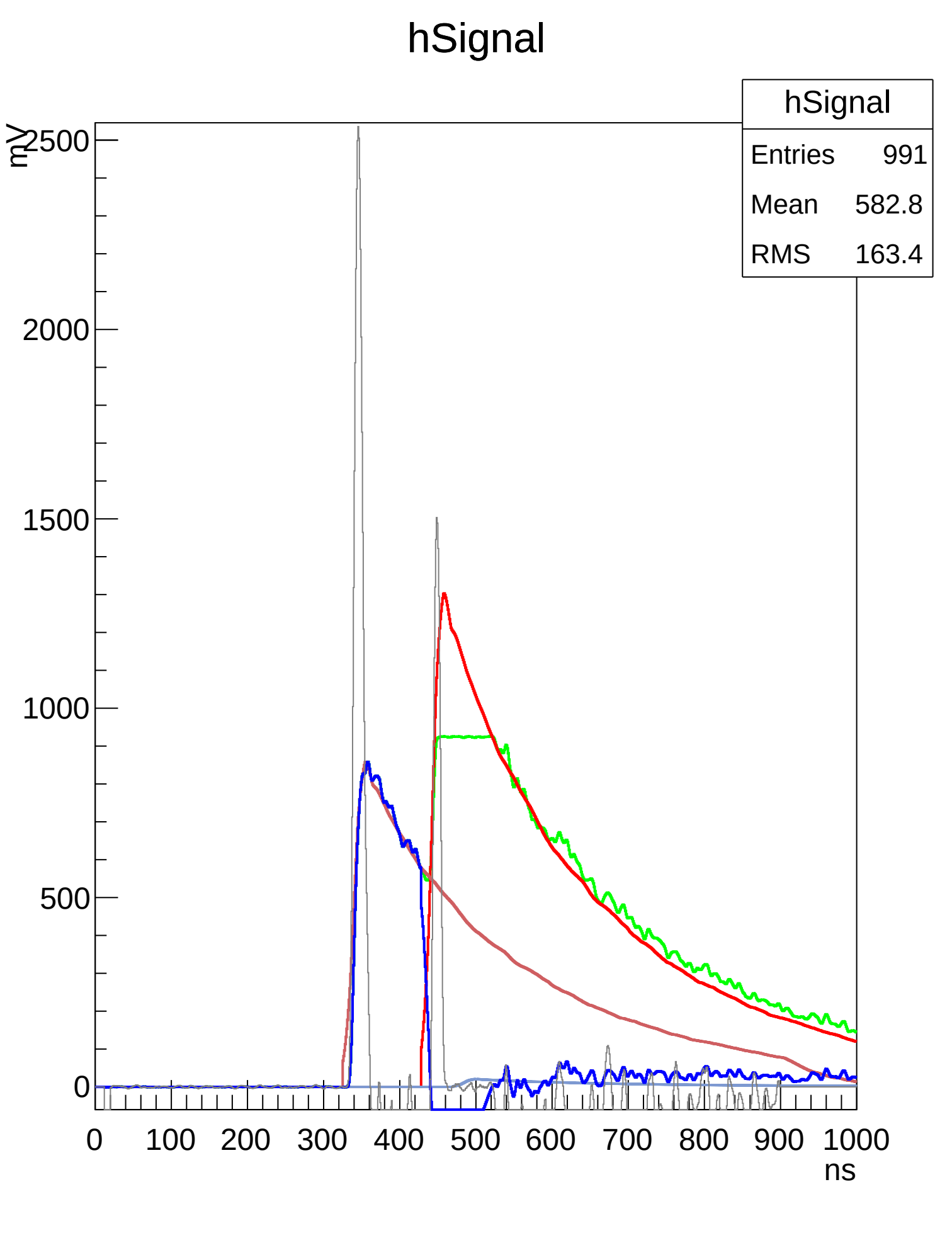

hSignal
hSignal
Entries 991
Mean 591.5
RMS 166.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

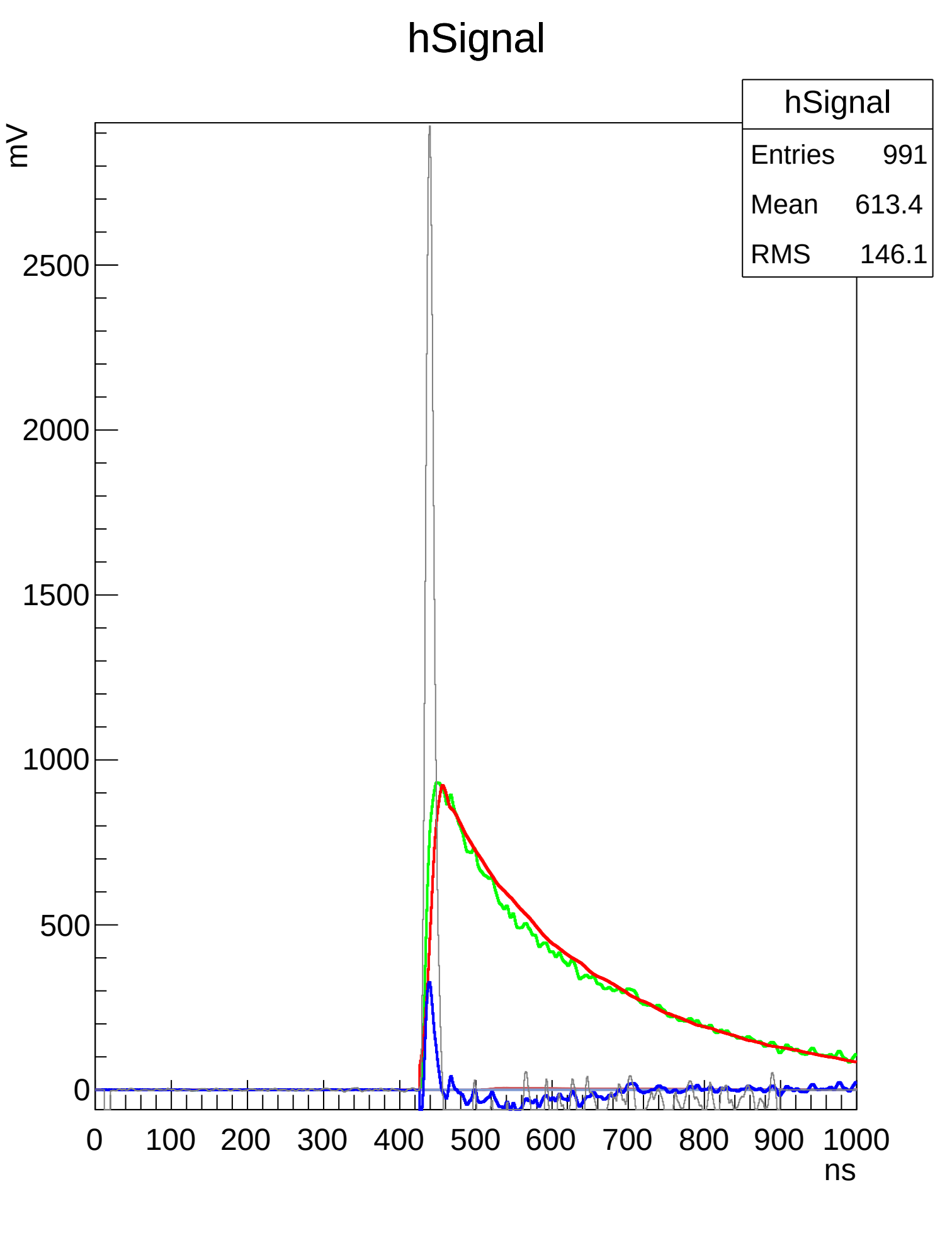

hSignal
hSignal
Entries 991
Mean 622
RMS 153.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

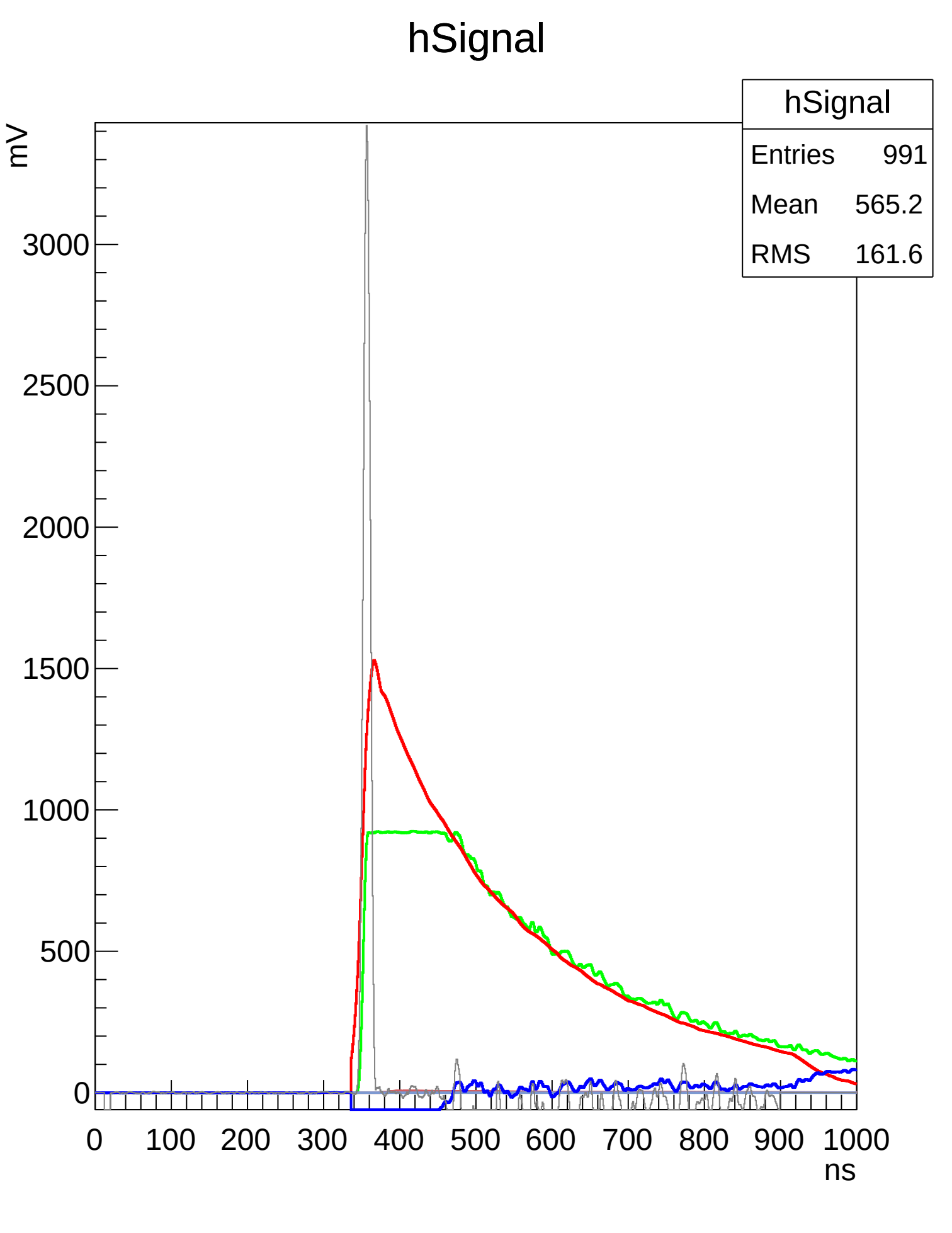

hSignal
hSignal
Entries 991
Mean 553.9
RMS 168.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

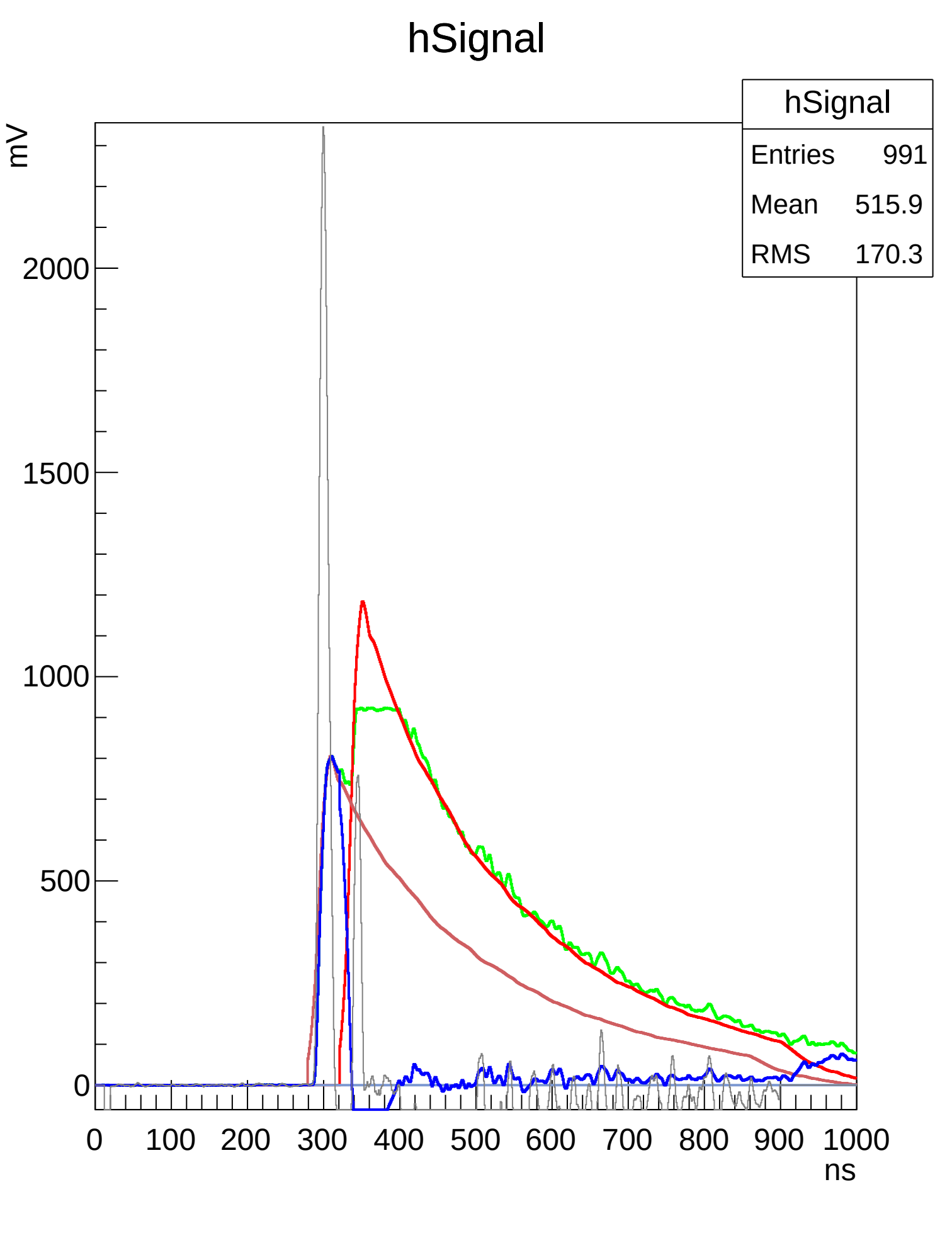

hSignal
hSignal
Entries 991
Mean 626.8
RMS 144.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

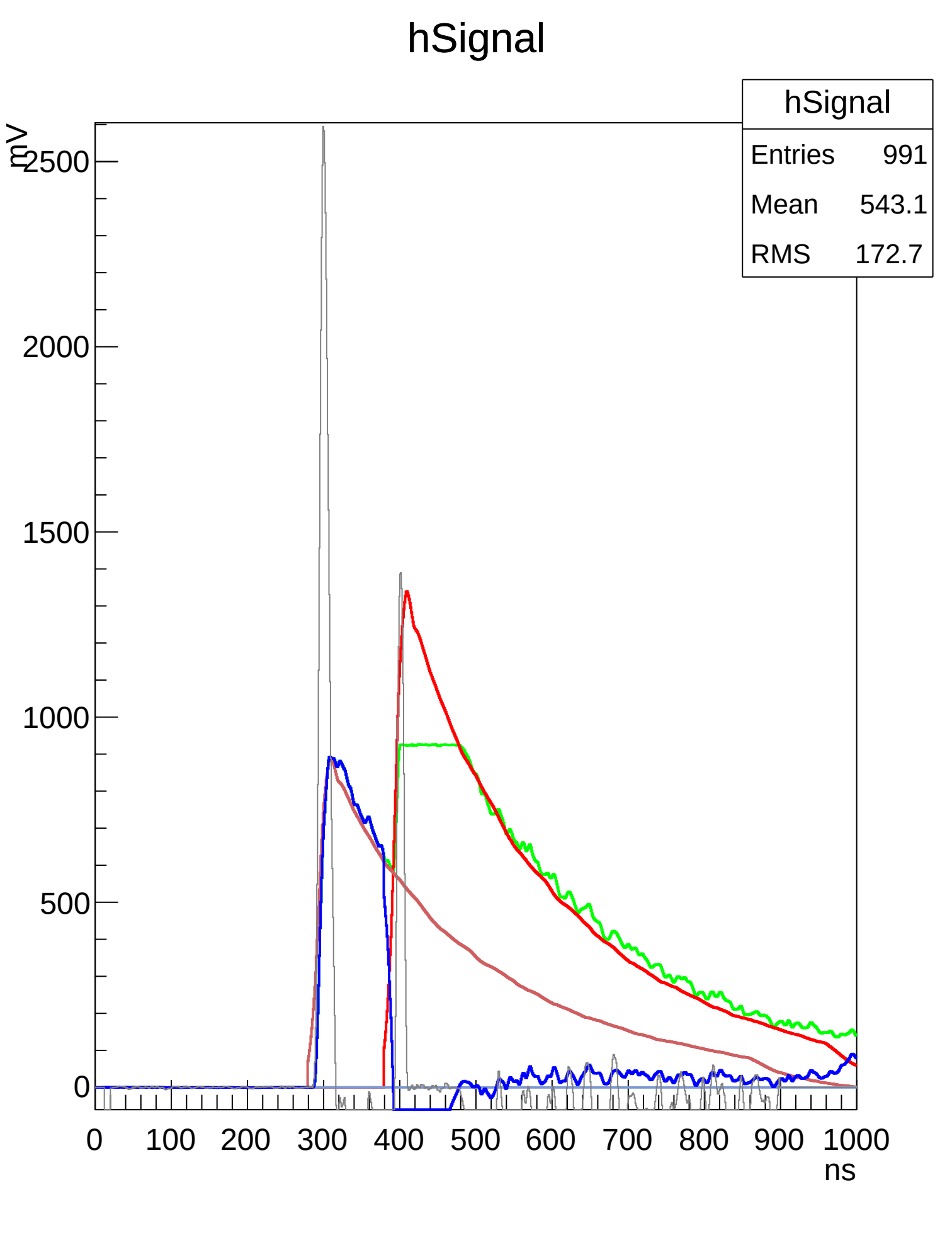

hSignal
hSignal
Entries 991
Mean 490.3
RMS 176.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

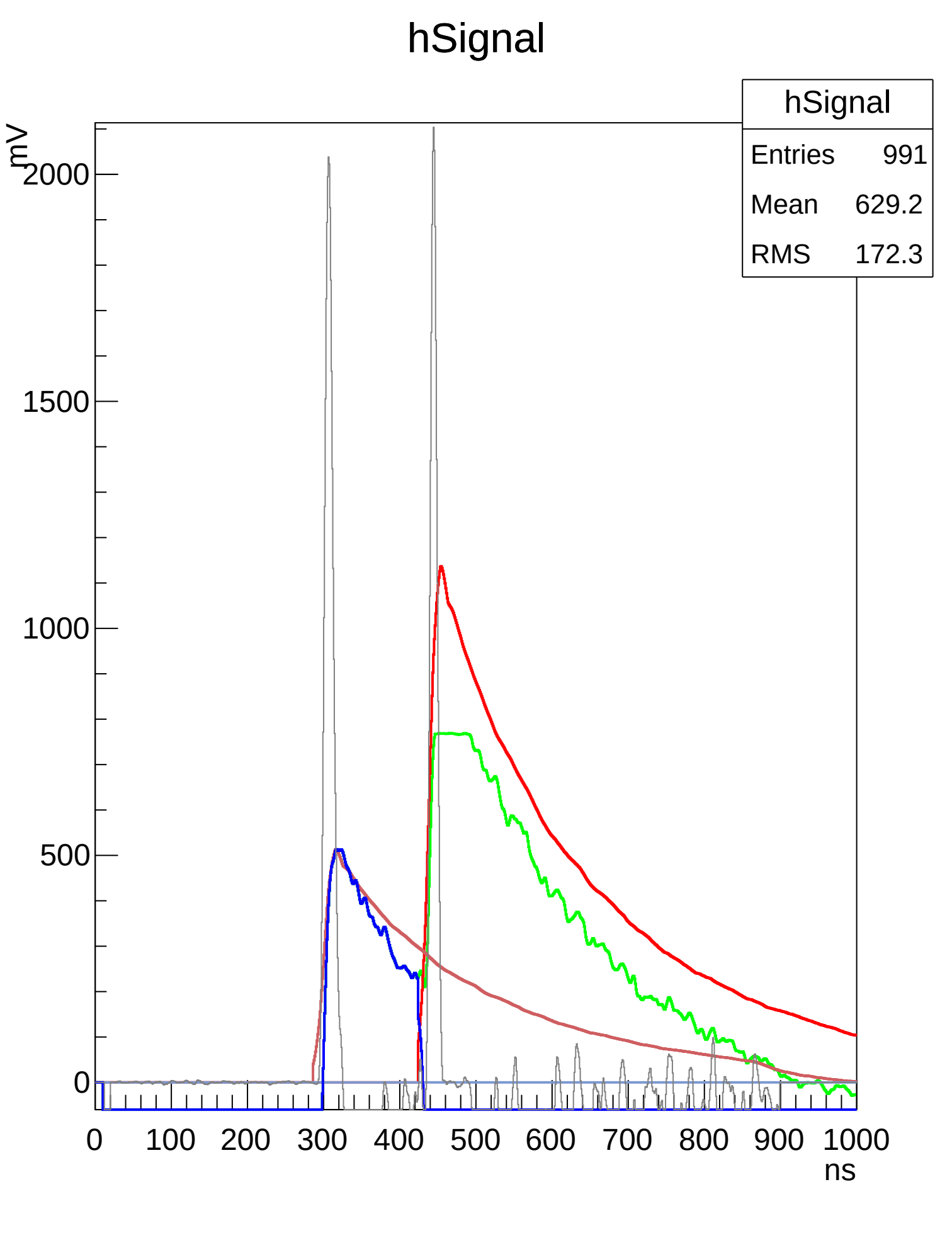

hSignal
hSignal
Entries 991
Mean 582.8
RMS 163.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

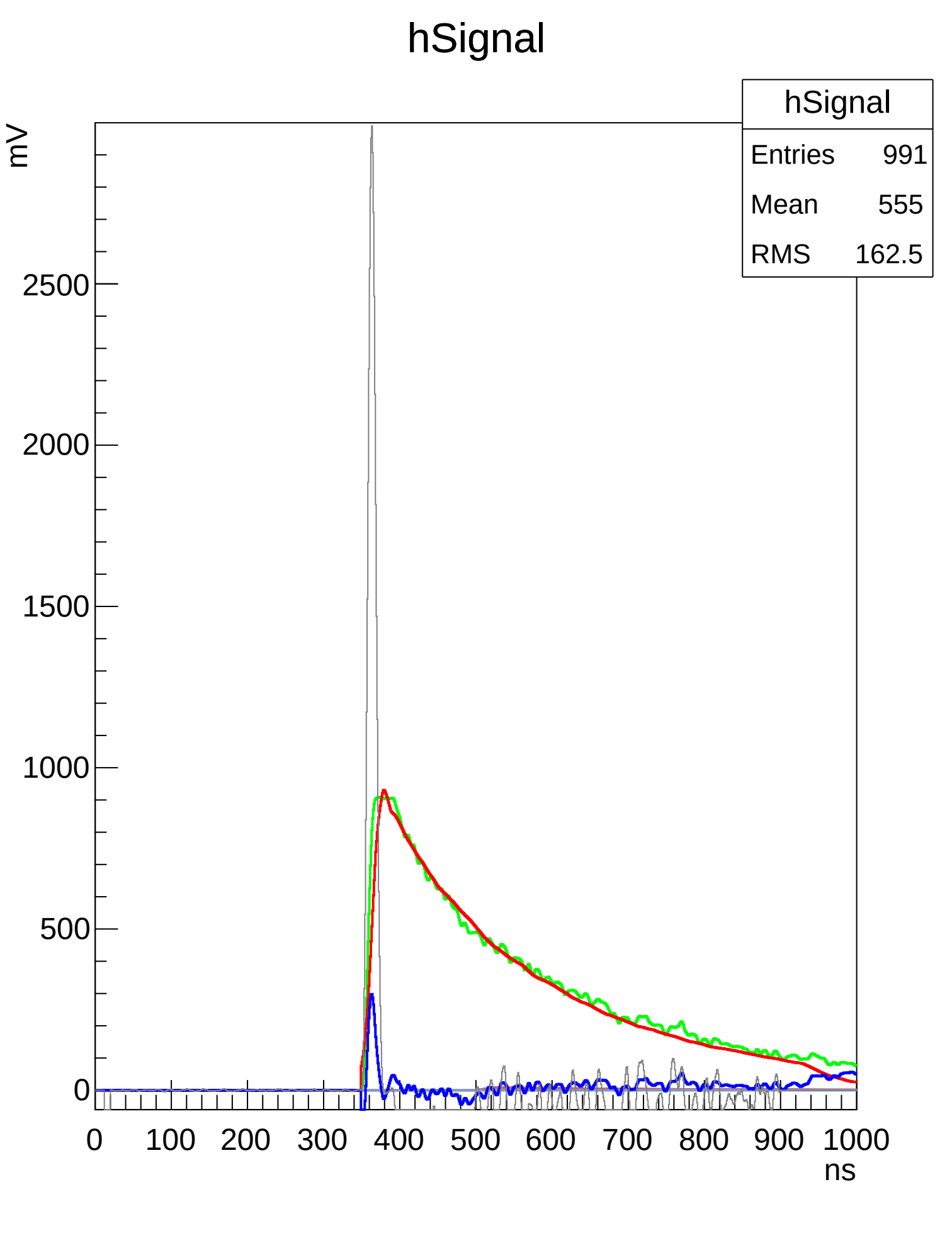

hSignal
hSignal
Entries 991
Mean 613.4
RMS 146.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

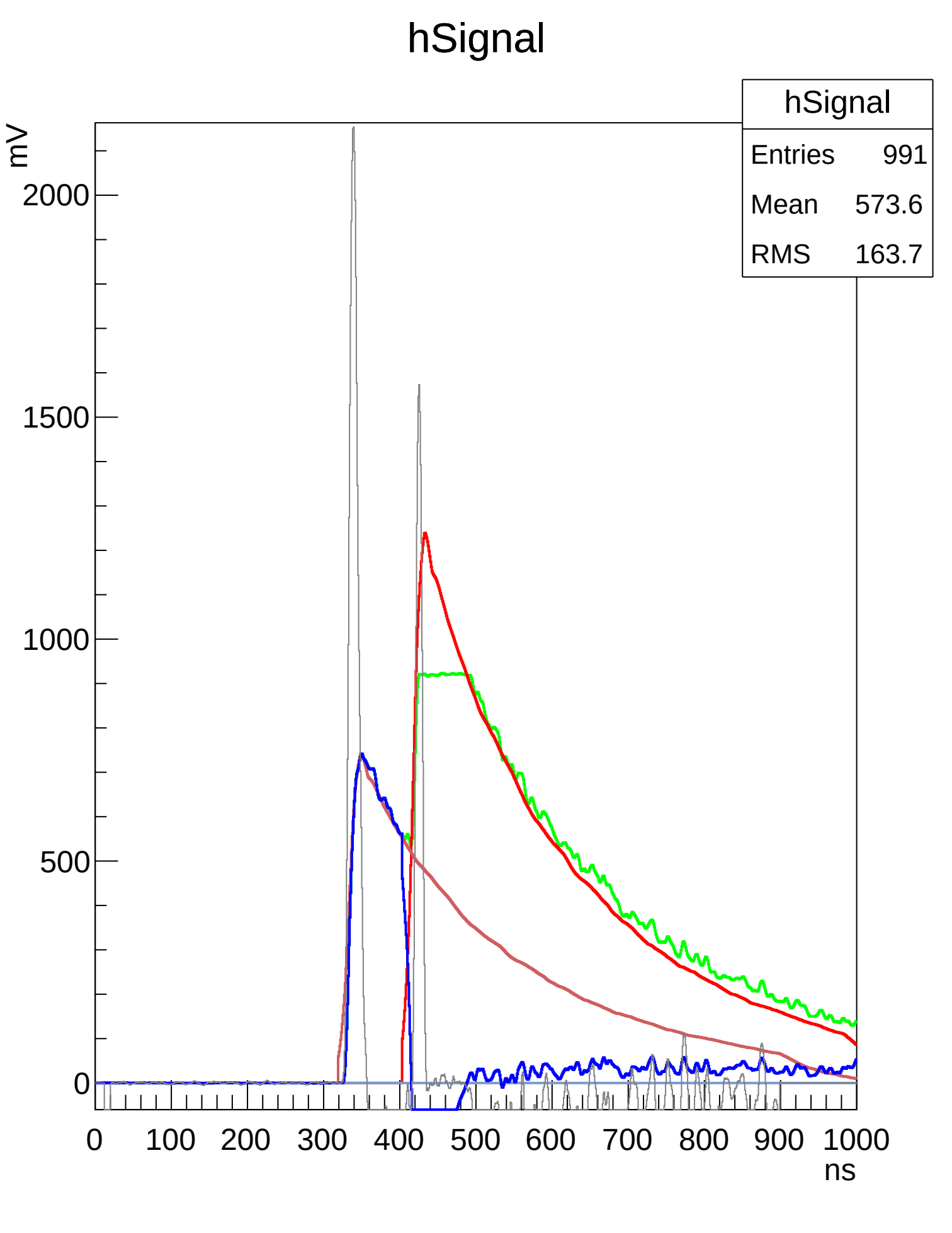

hSignal
hSignal
Entries 991
Mean 565.2
RMS 161.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

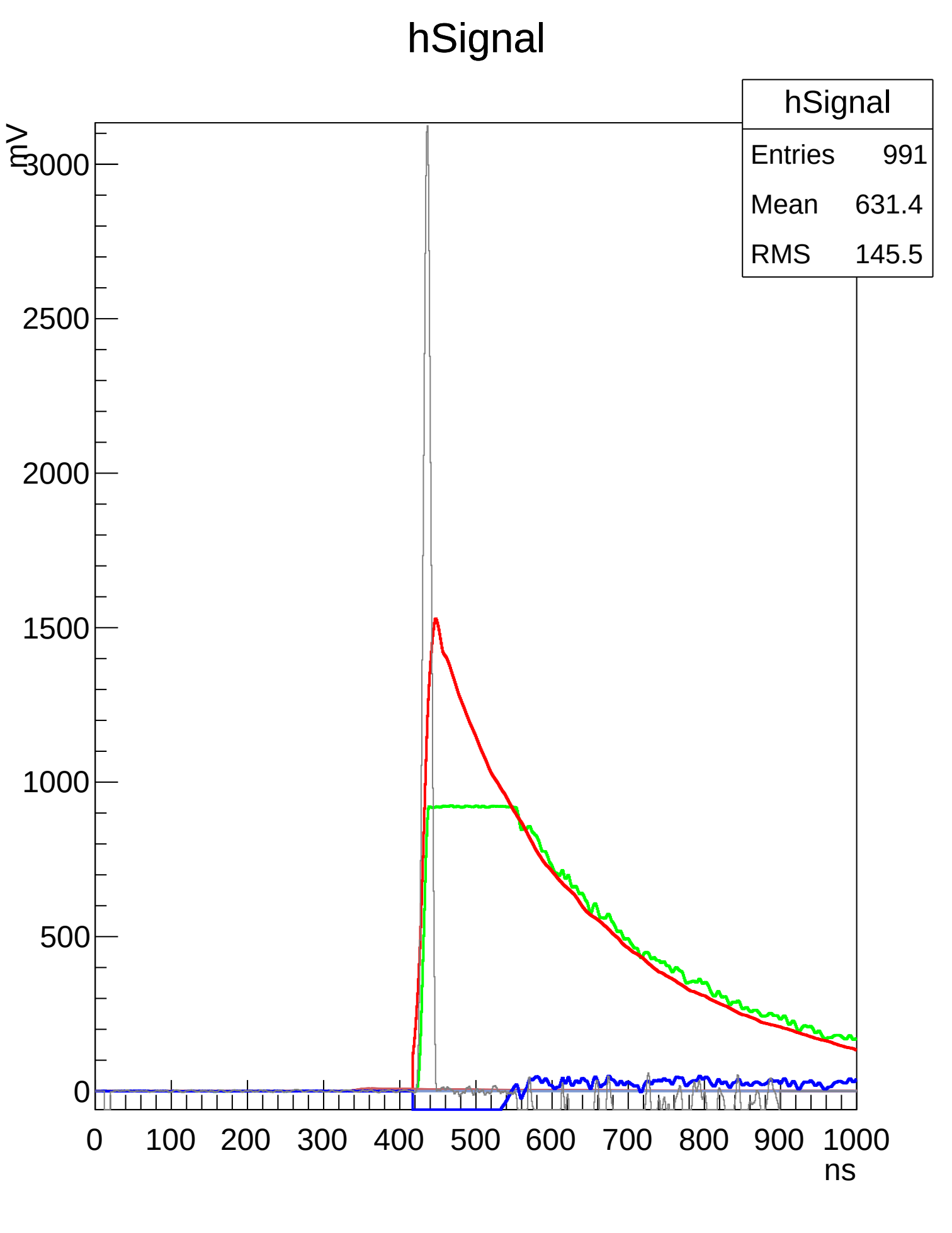

hSignal
hSignal
Entries 991
Mean 515.9
RMS 170.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

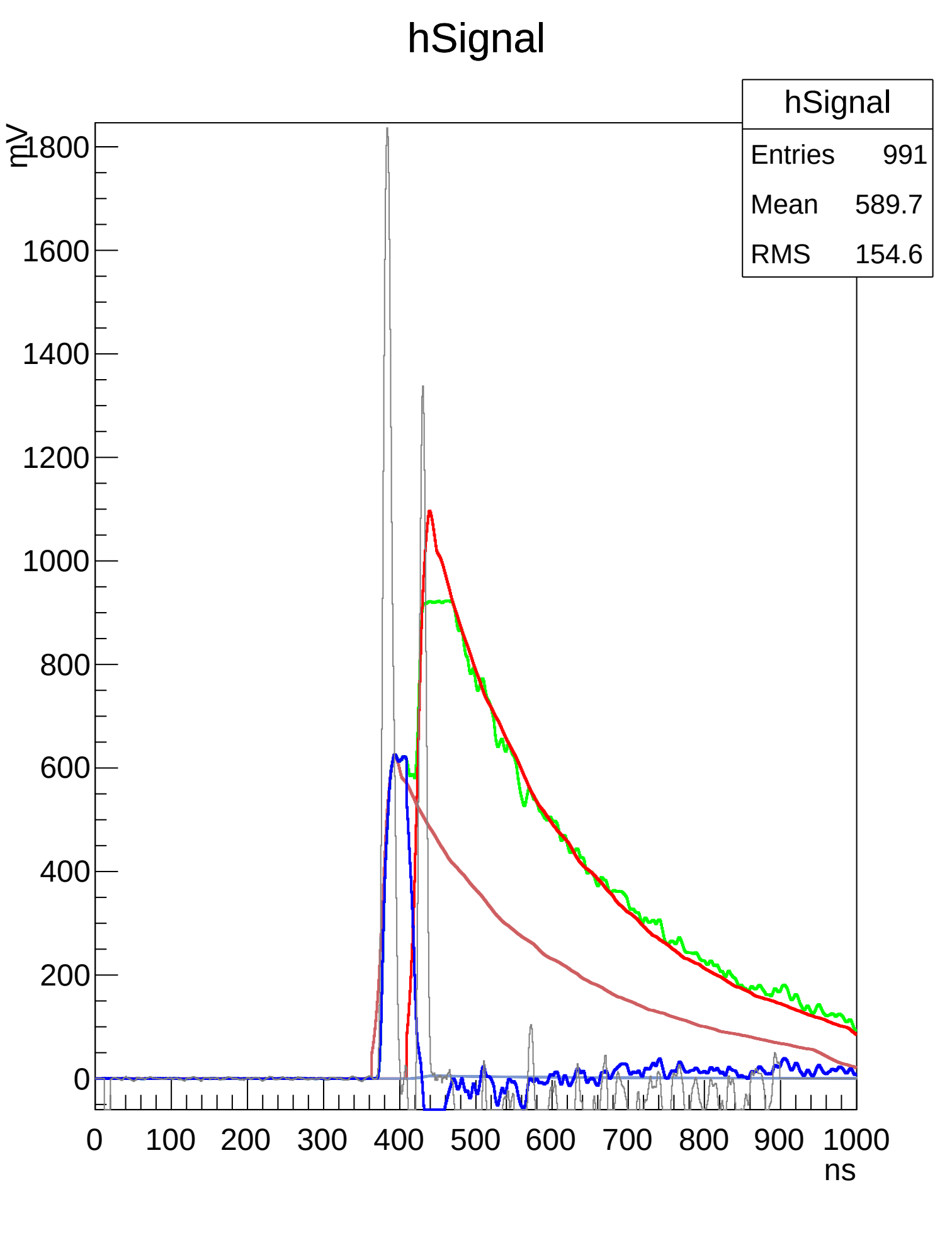

hSignal
hSignal
Entries 991
Mean 543.1
RMS 172.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

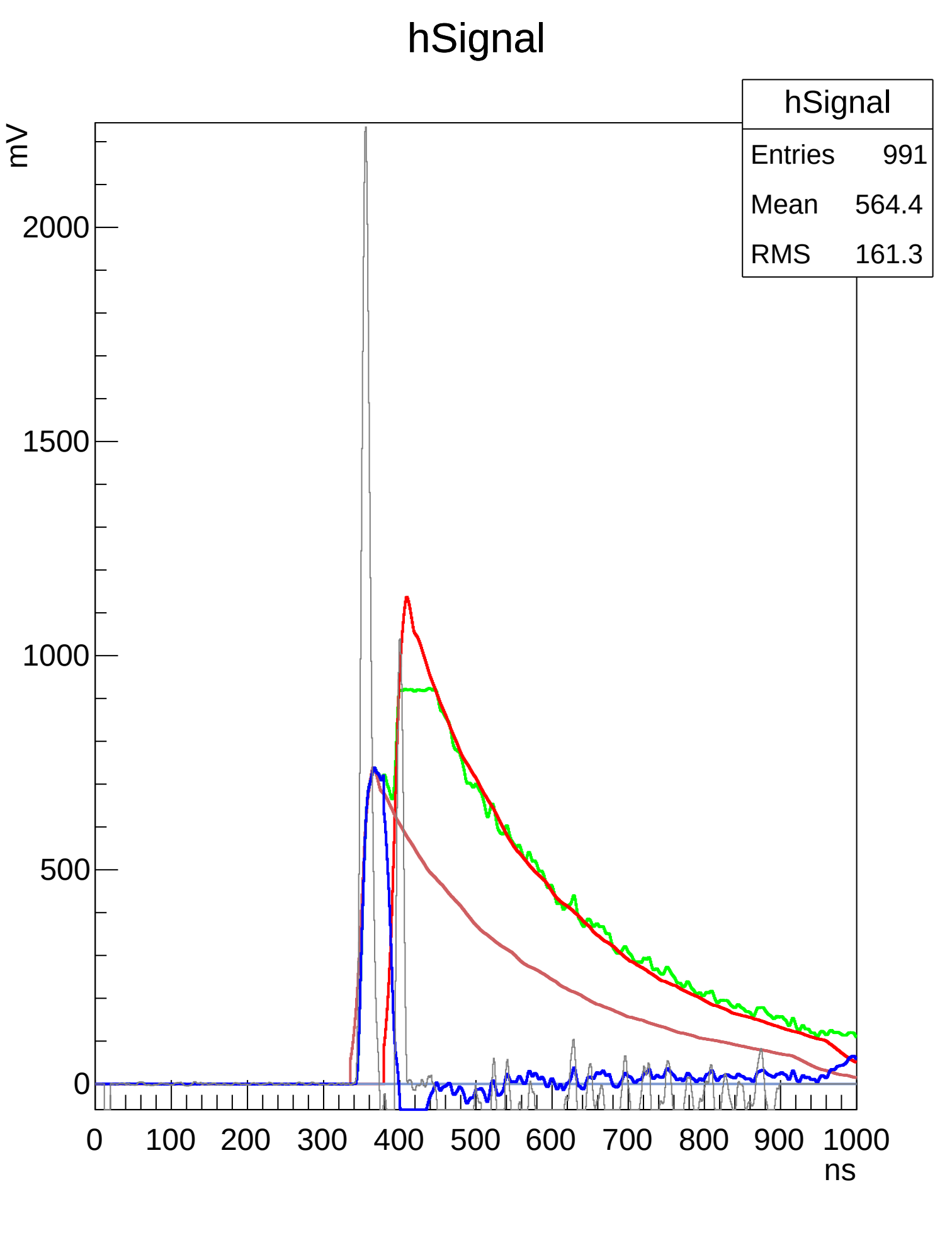

hSignal
hSignal
Entries 991
Mean 629.2
RMS 172.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

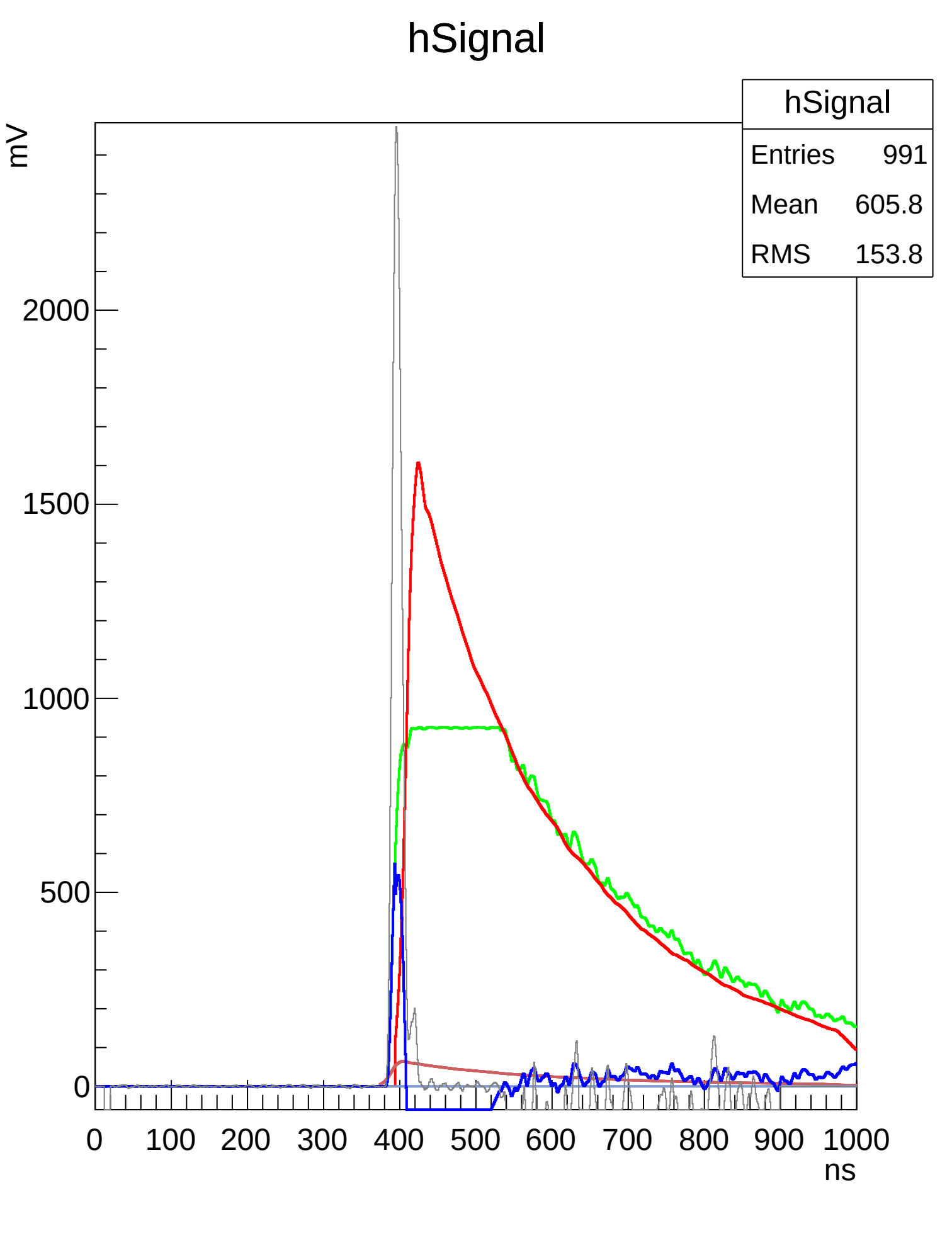

hSignal
hSignal
Entries 991
Mean 555
RMS 162.5
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

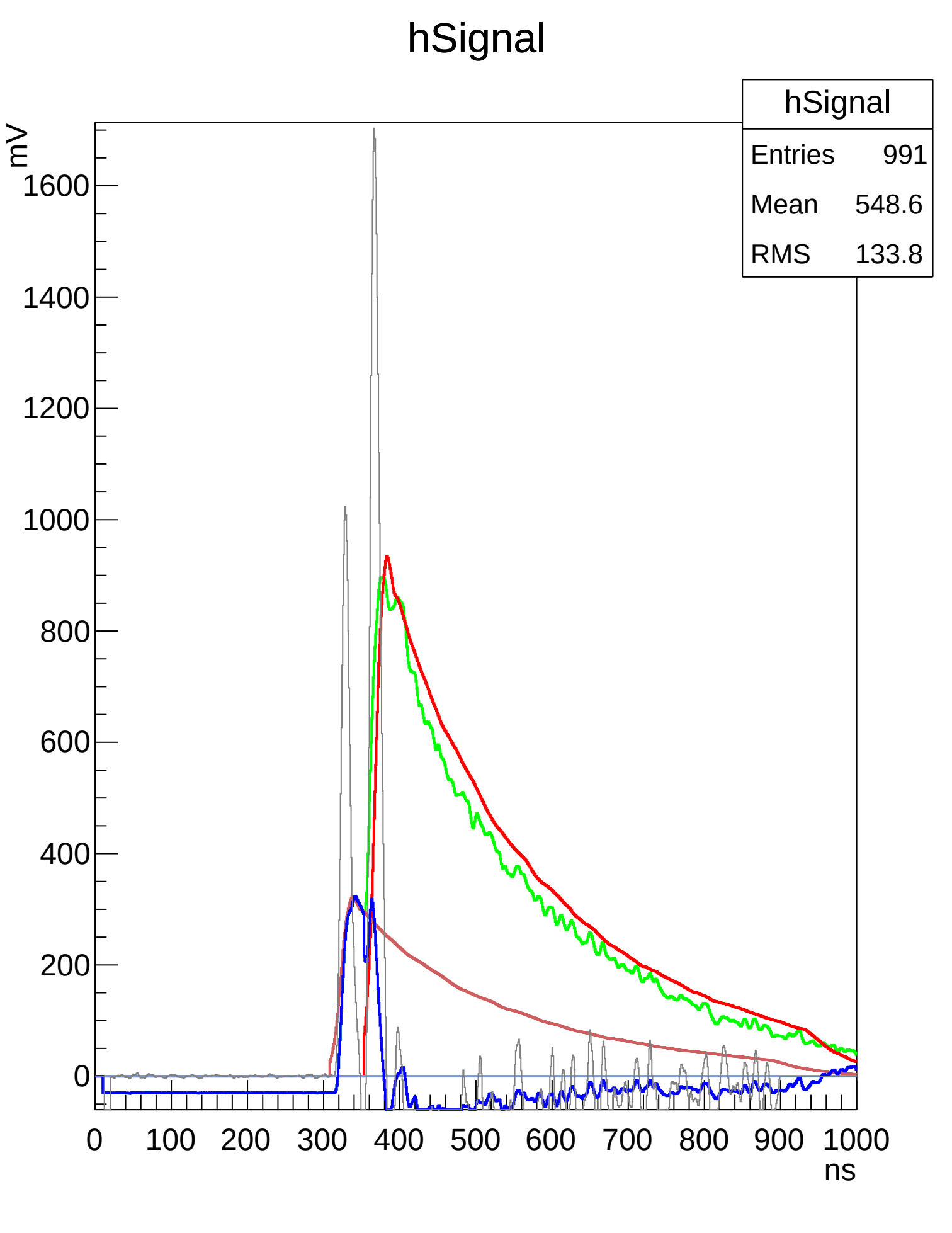

hSignal
hSignal
Entries 991
Mean 573.6
RMS 163.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

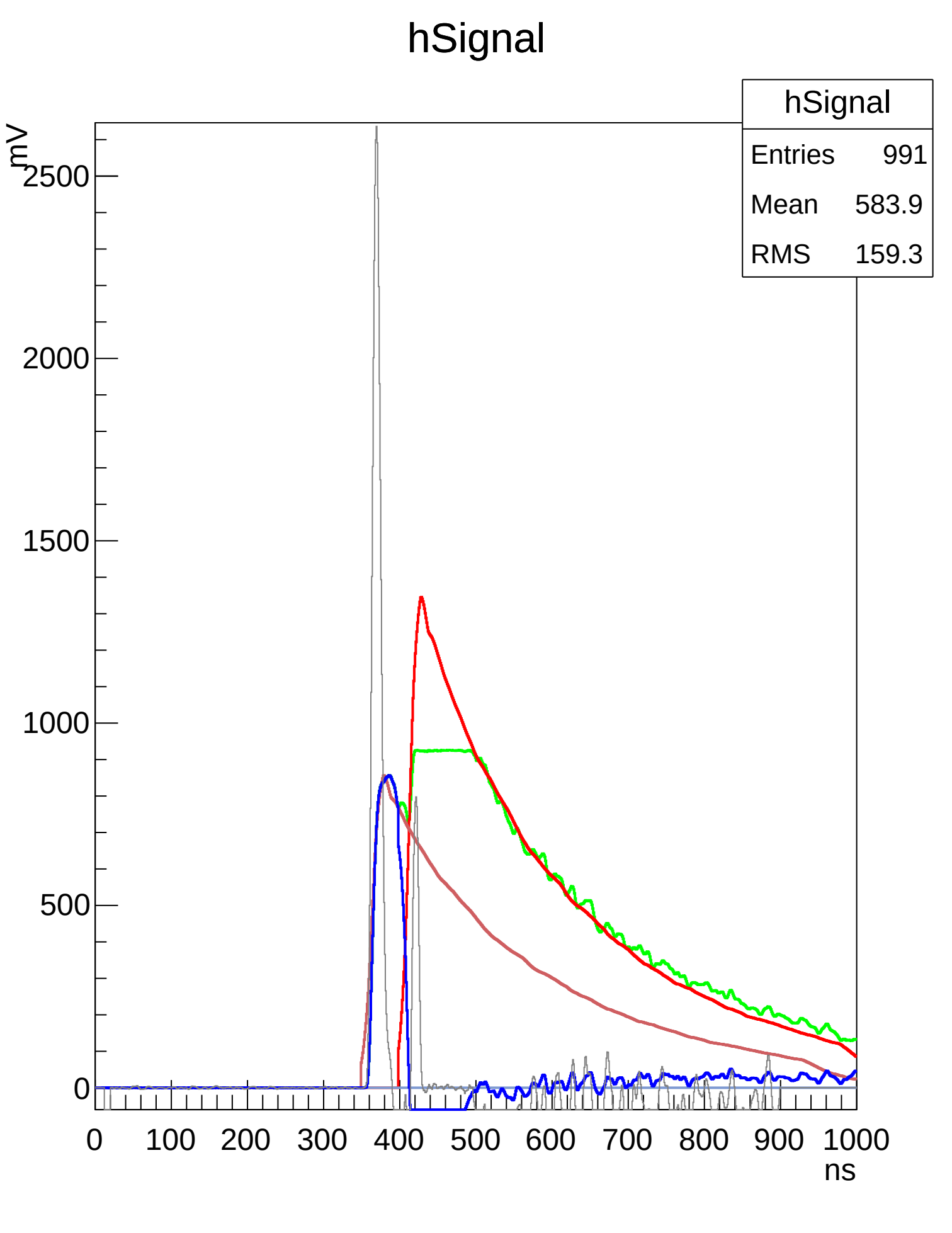

hSignal
hSignal
Entries 991
Mean 631.4
RMS 145.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

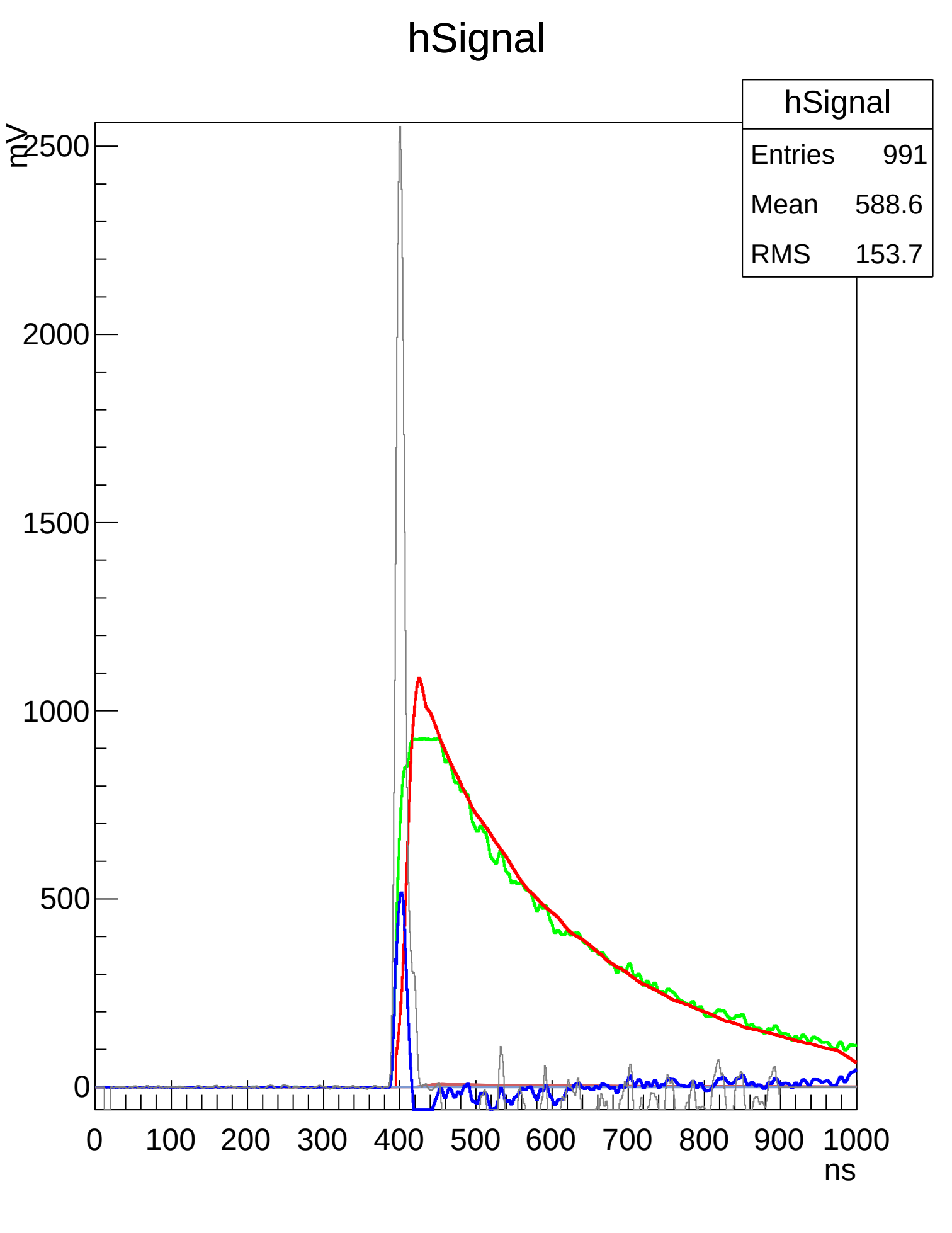

hSignal
hSignal
Entries 991
Mean 589.7
RMS 154.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

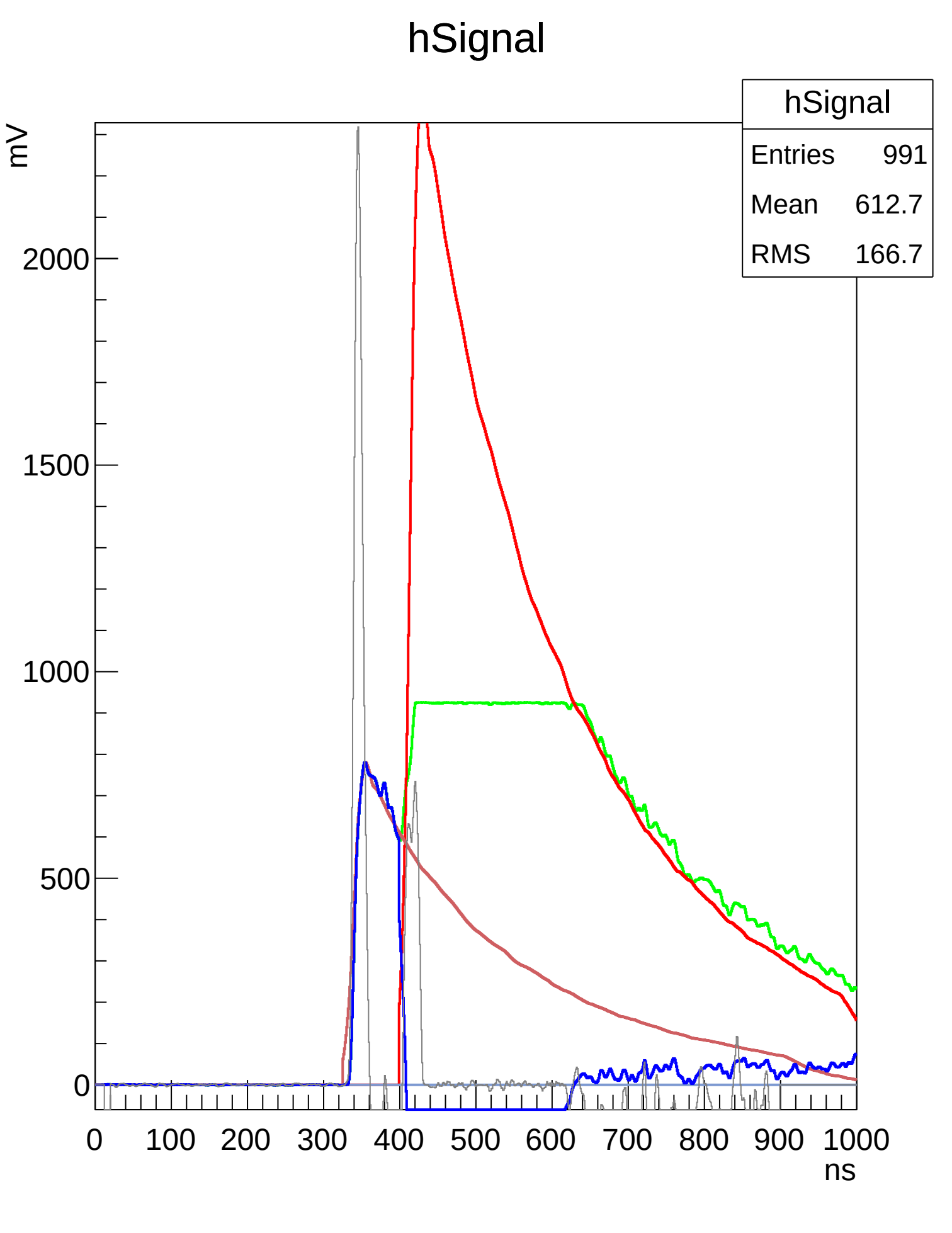

hSignal
hSignal
Entries 991
Mean 564.4
RMS 161.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

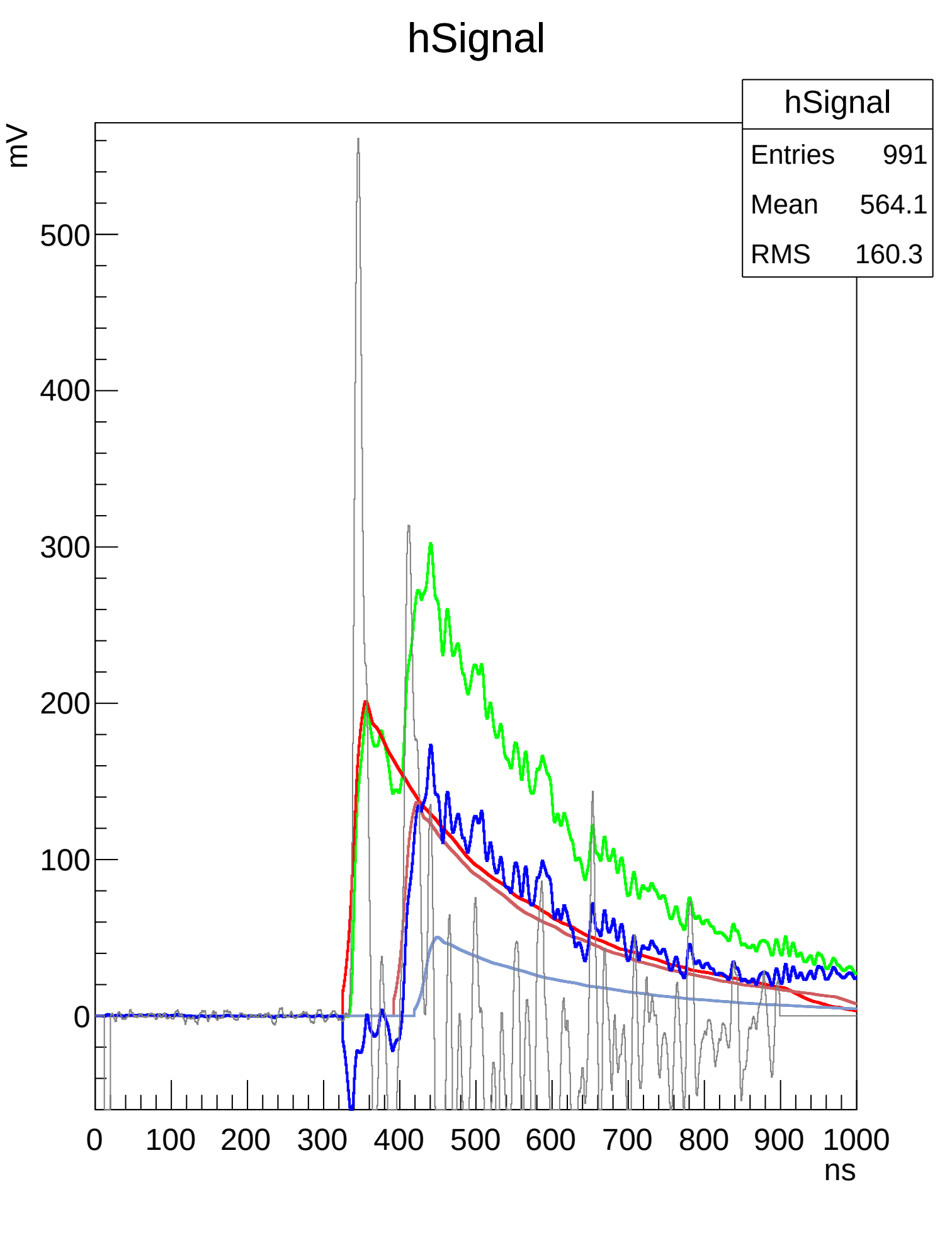

hSignal
hSignal
Entries 991
Mean 605.8
RMS 153.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

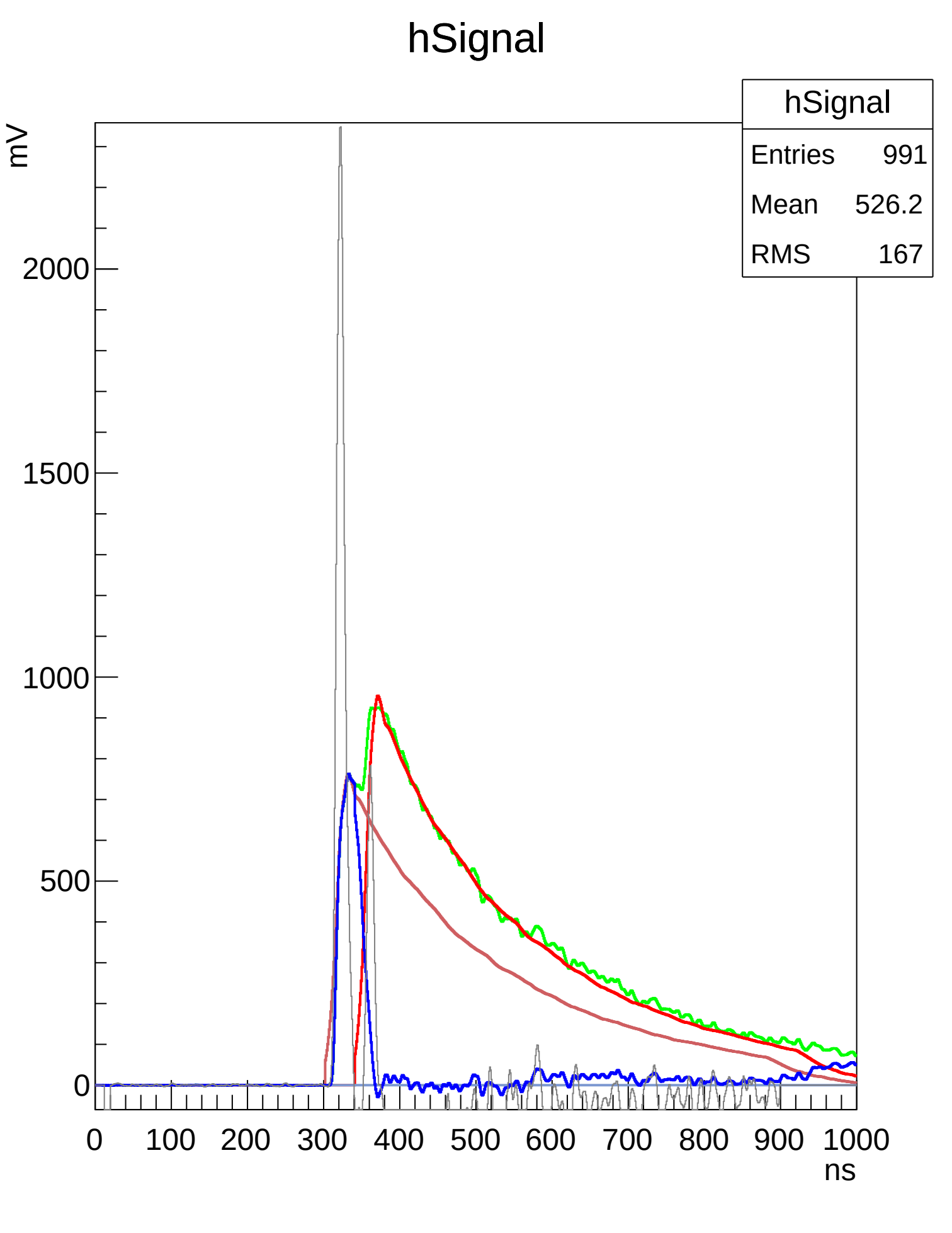

hSignal
hSignal
Entries 991
Mean 548.6
RMS 133.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

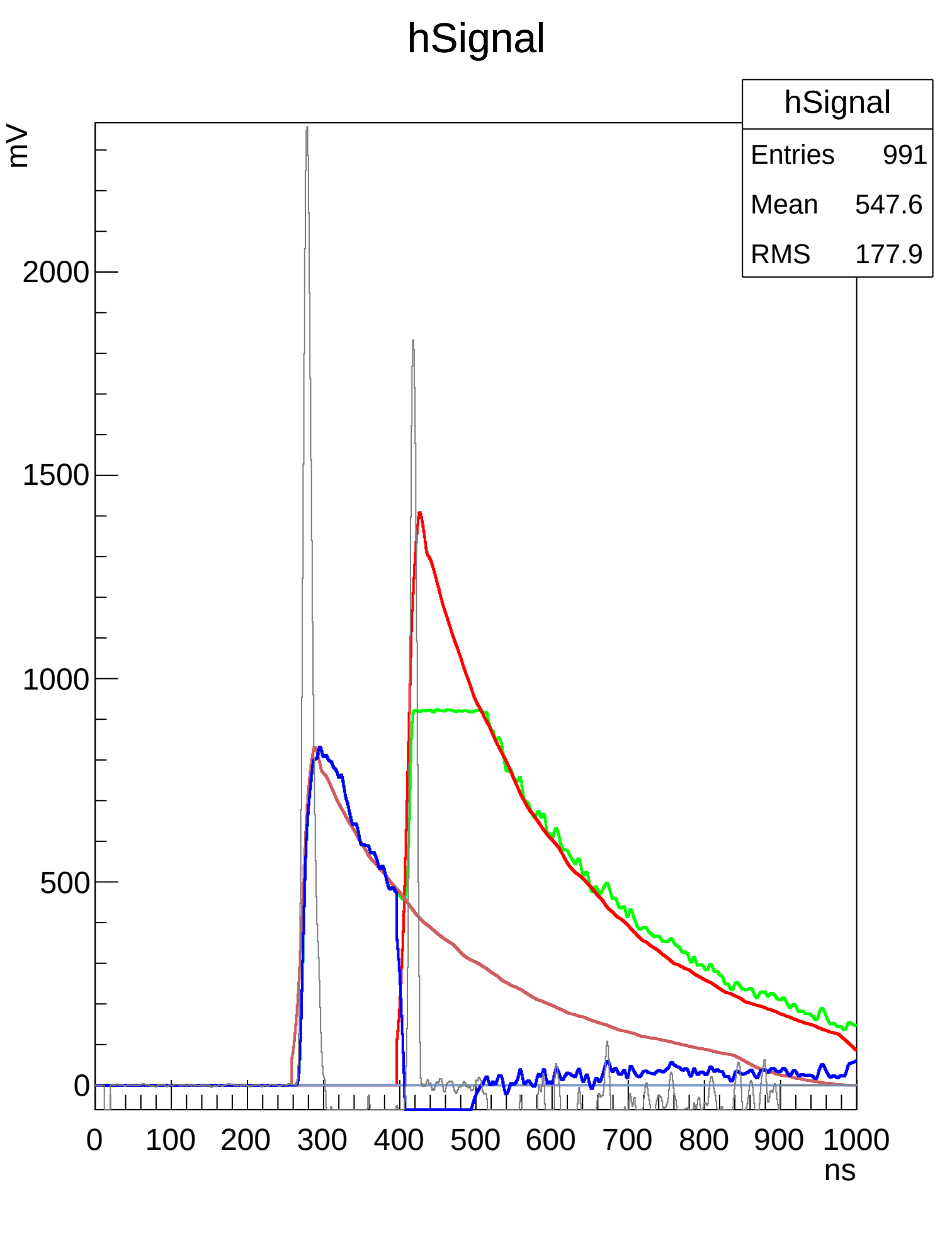

hSignal
hSignal
Entries 991
Mean 583.9
RMS 159.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

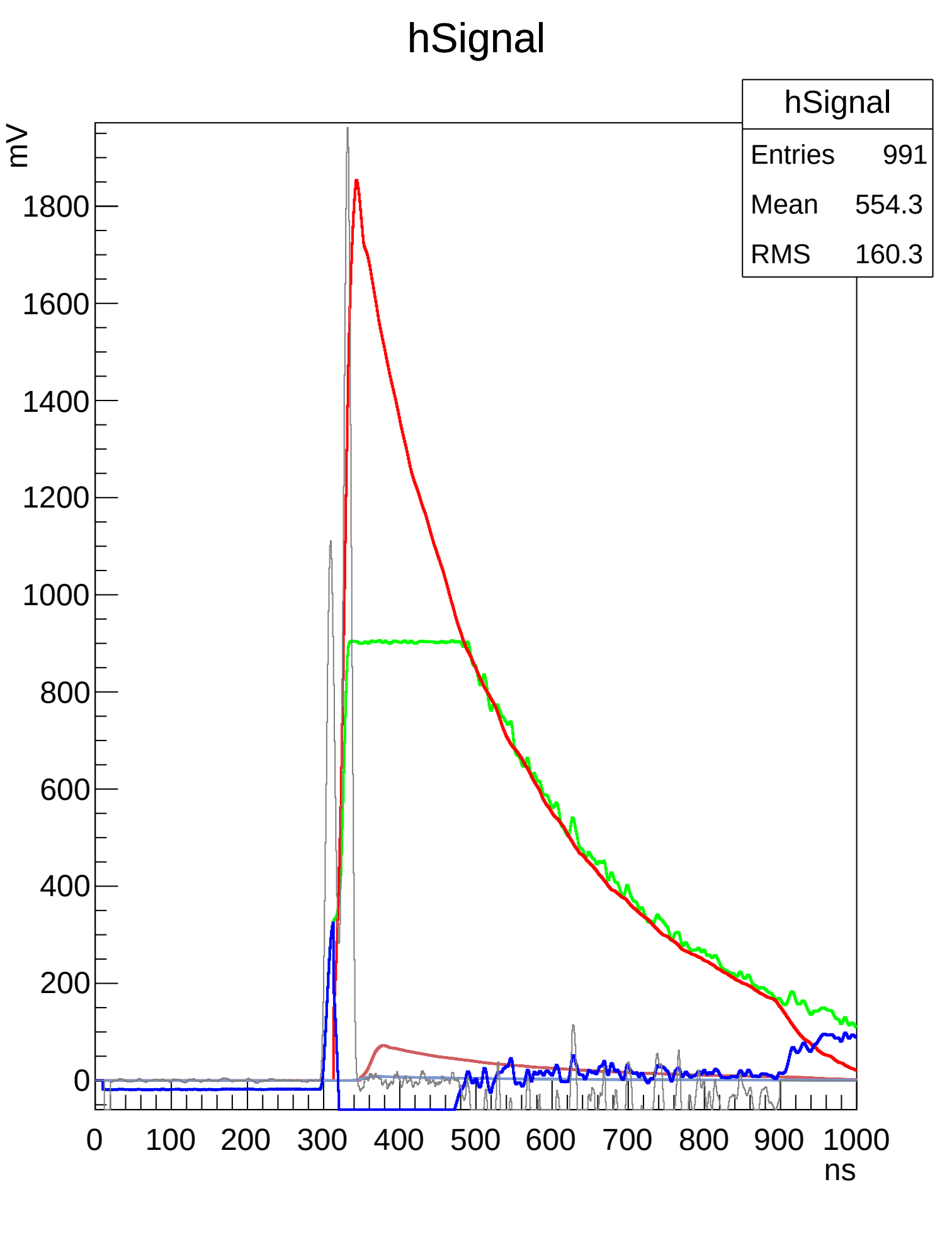

hSignal
hSignal
Entries 991
Mean 588.6
RMS 153.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

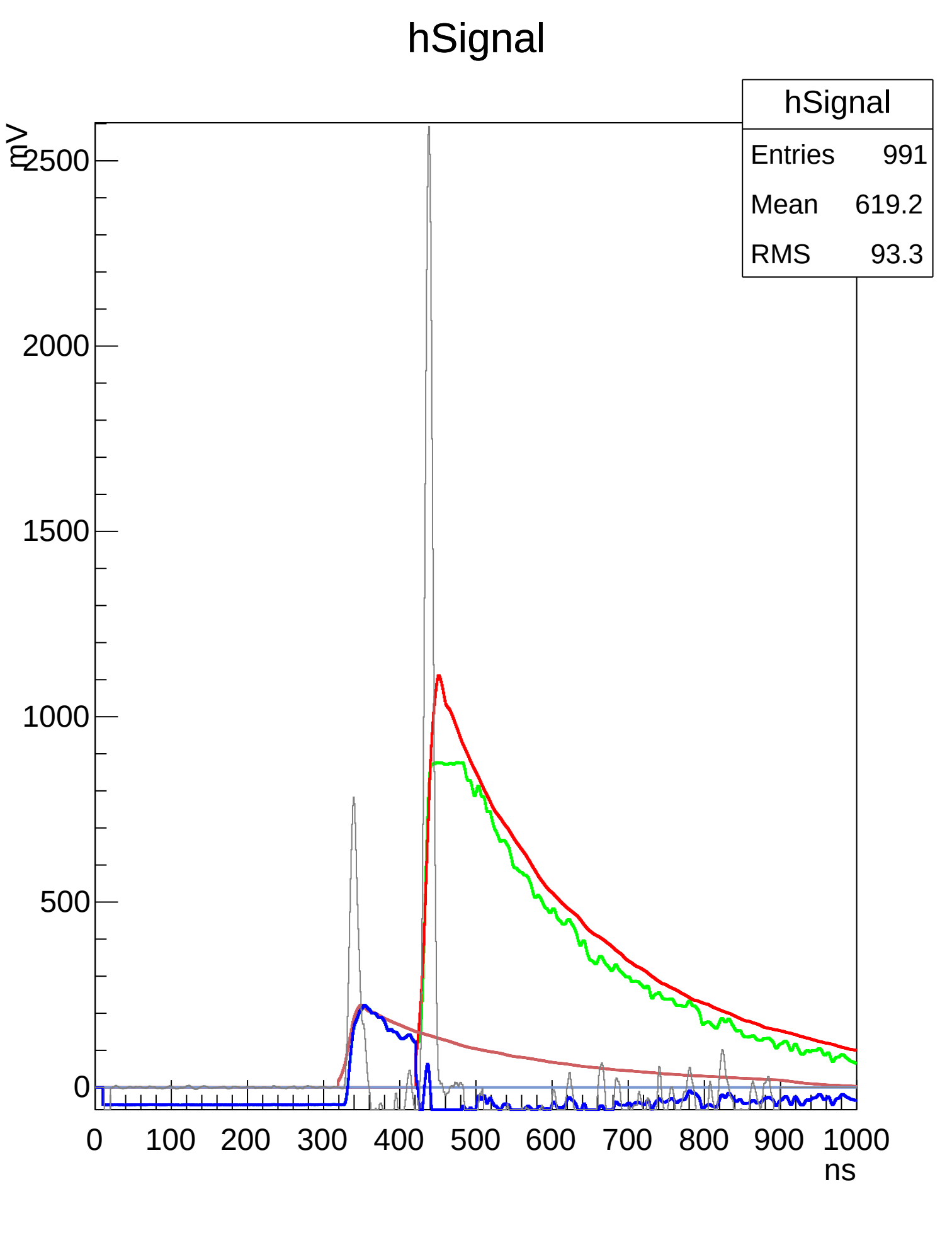

hSignal
hSignal
Entries 991
Mean 612.7
RMS 166.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

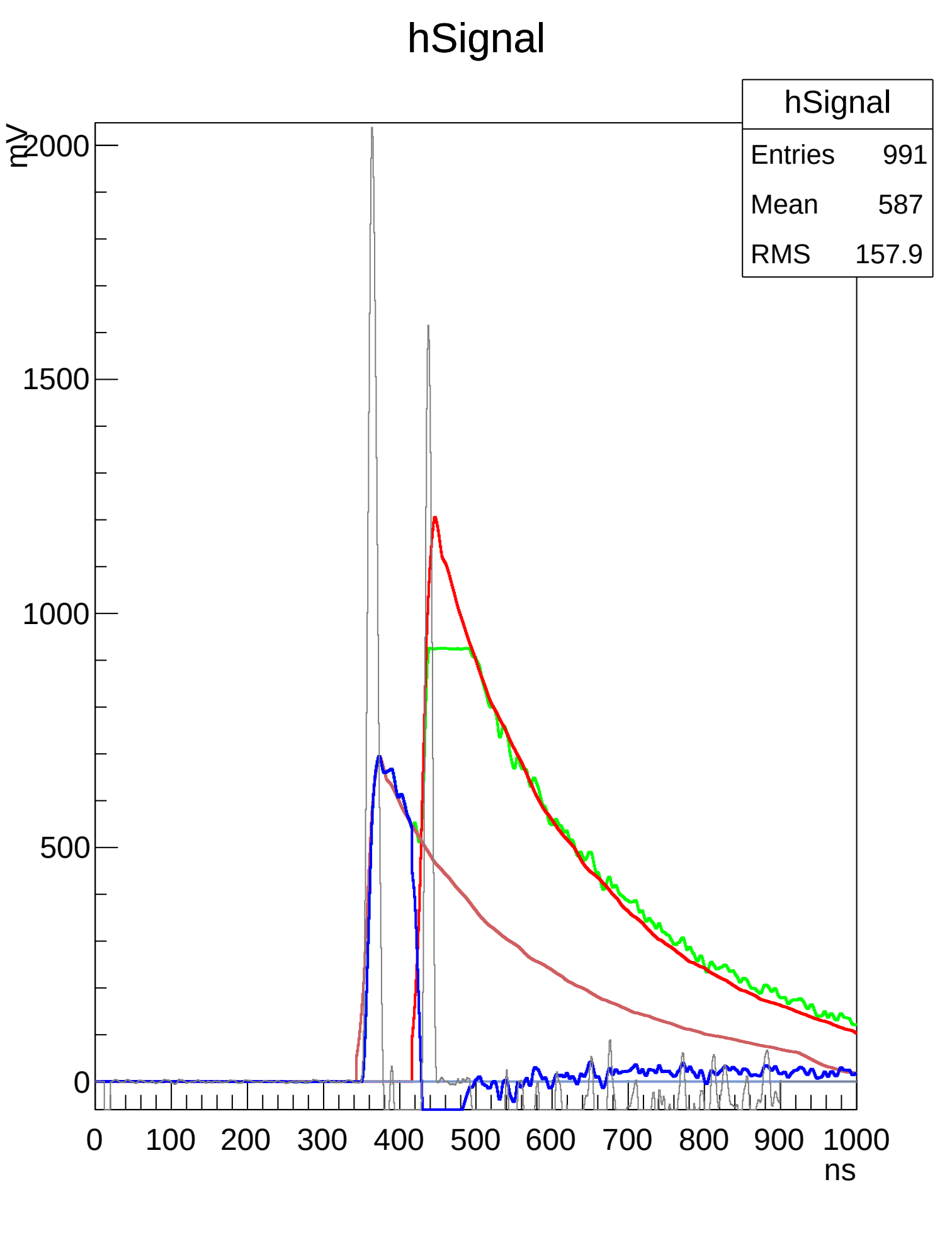

hSignal
hSignal
Entries 991
Mean 564.1
RMS 160.3
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

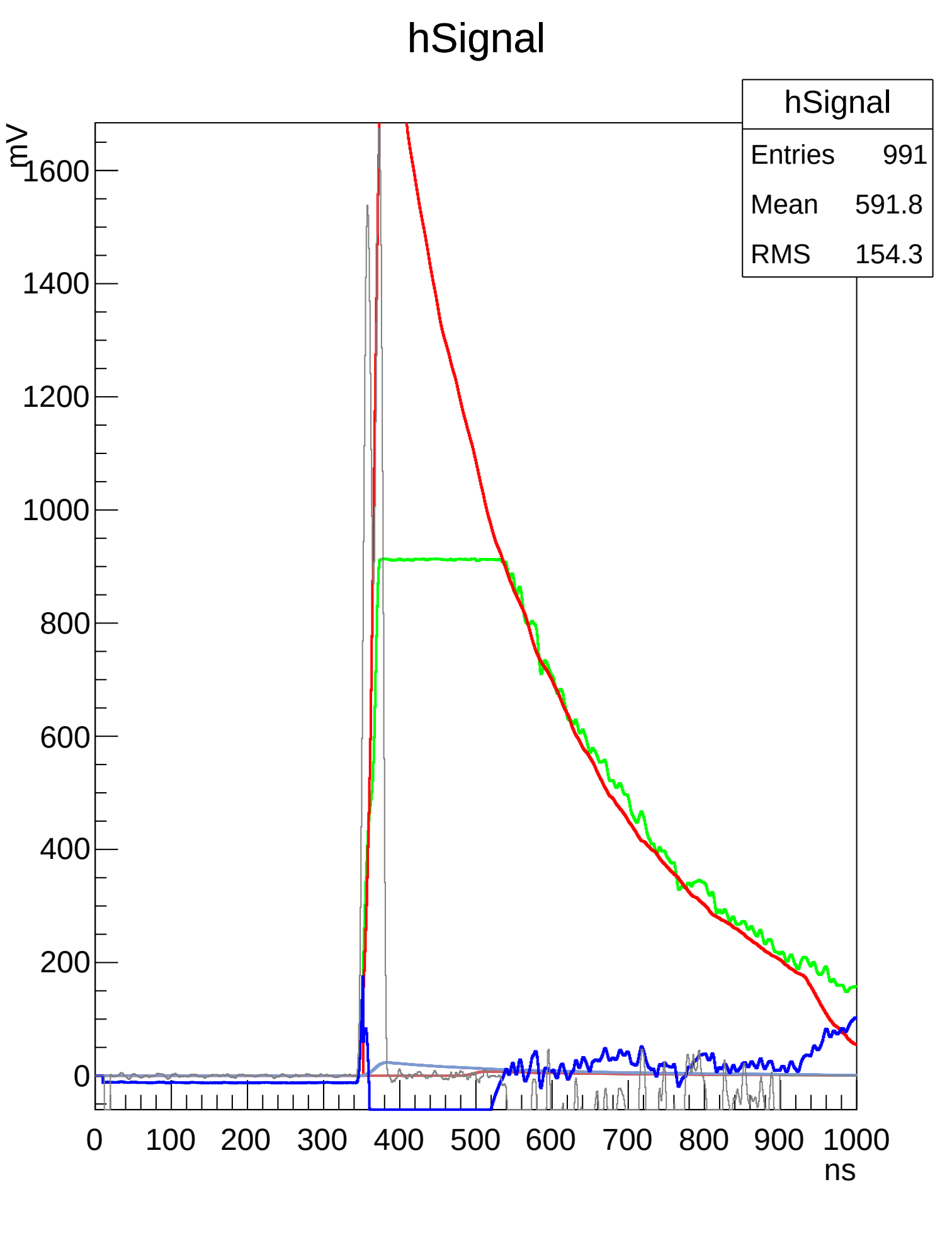

hSignal
hSignal
Entries 991
Mean 526.2
RMS 167
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

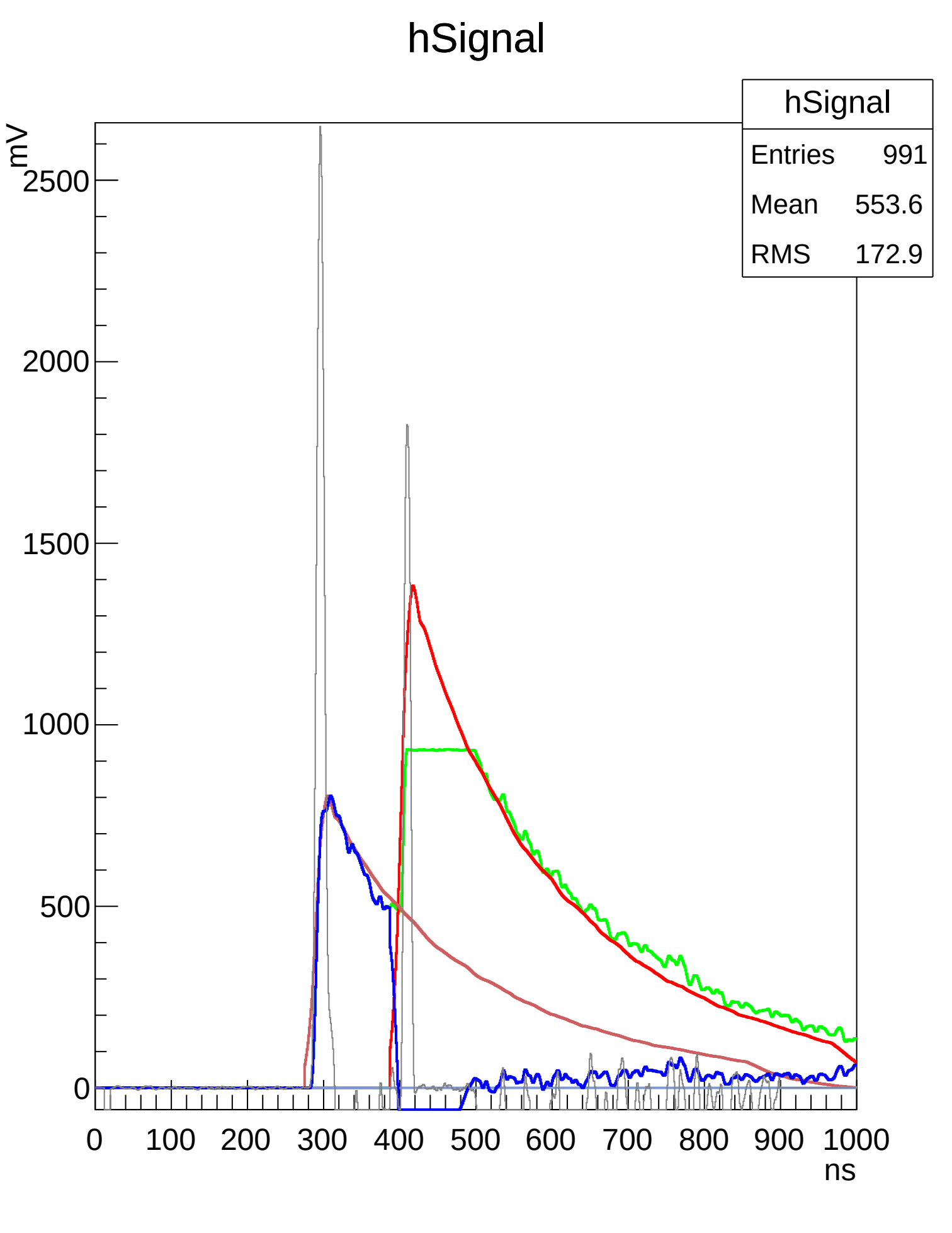

hSignal
hSignal
Entries 991
Mean 547.6
RMS 177.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

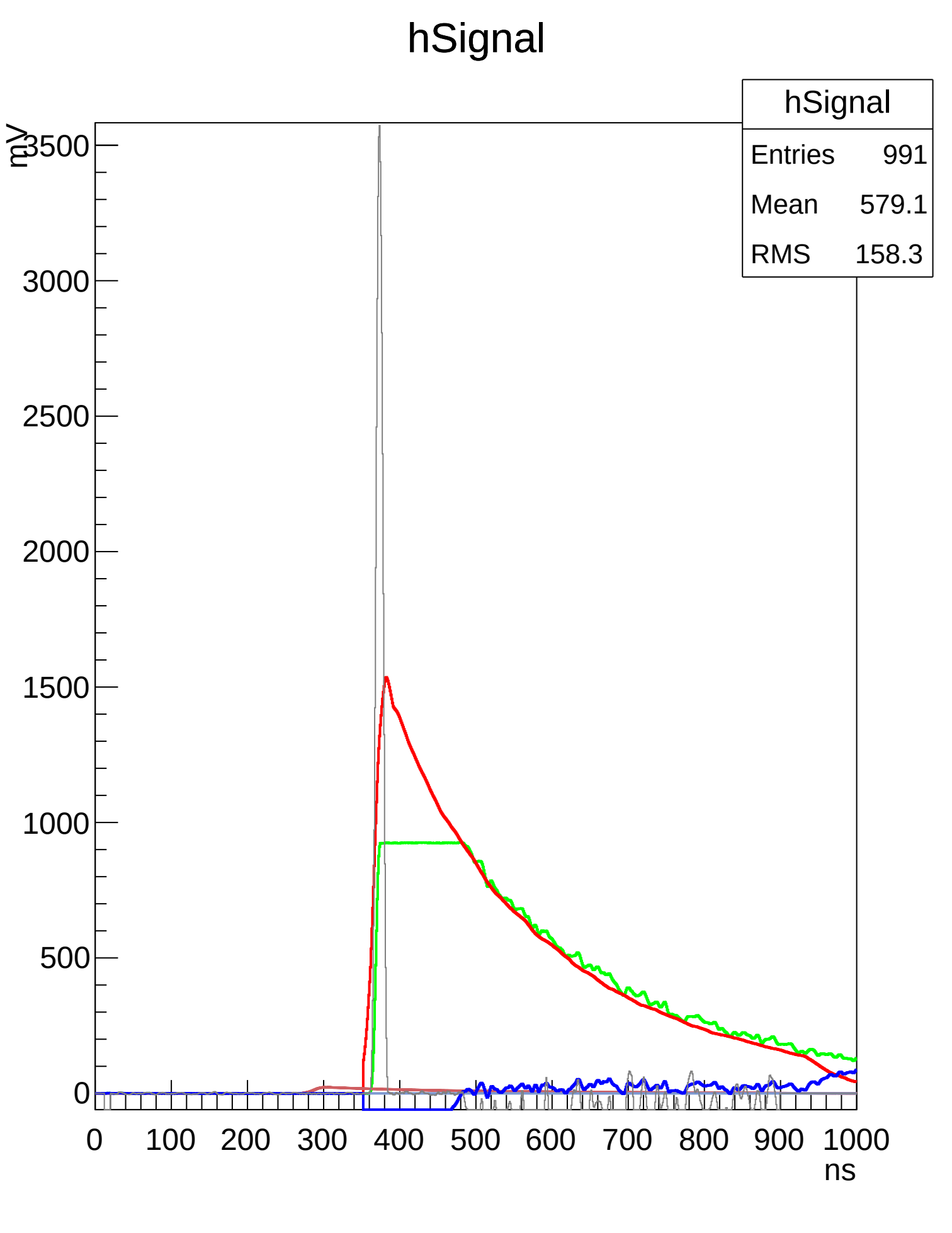

hSignal
hSignal
Entries 991
Mean 554.3
RMS 160.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

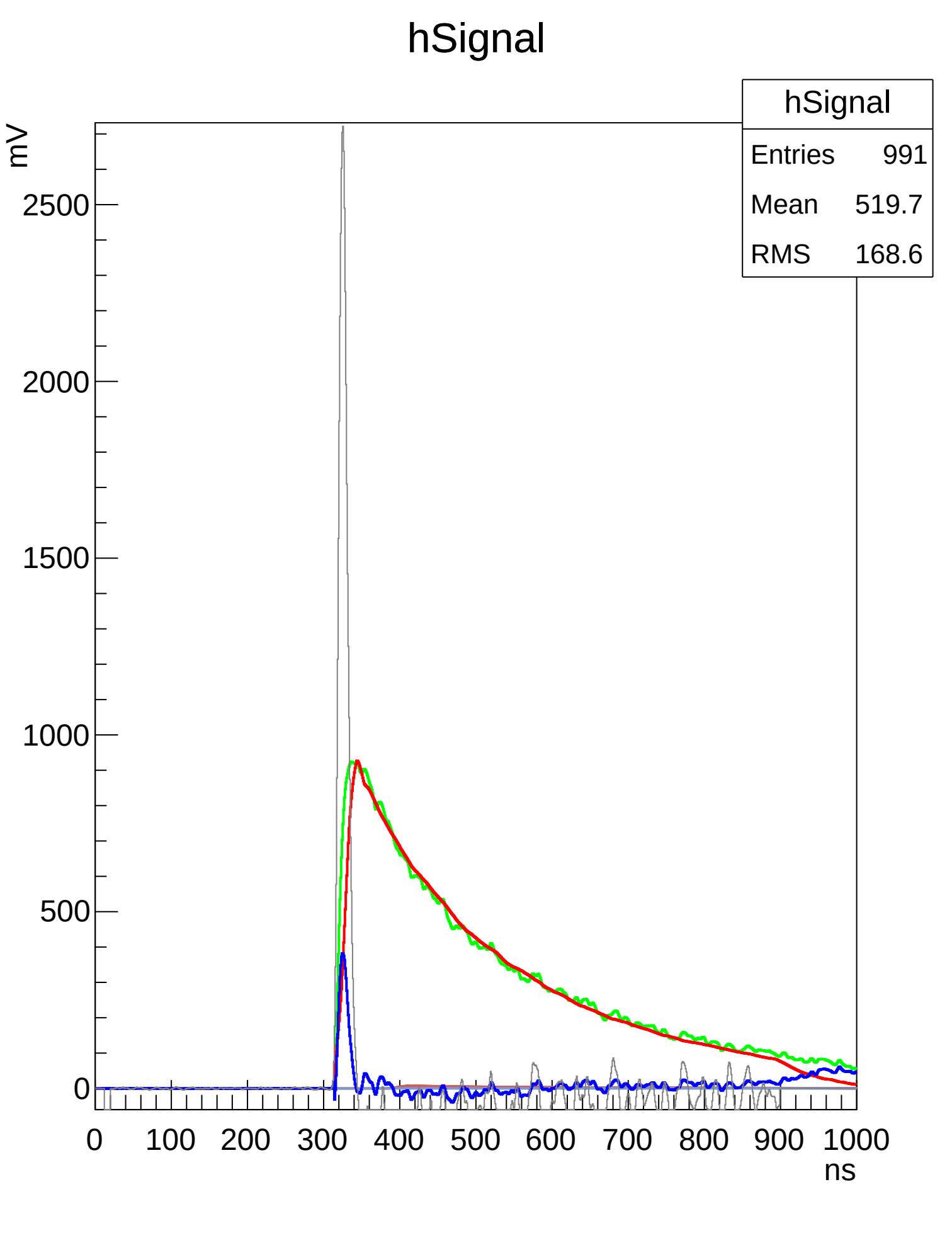

hSignal
hSignal
Entries 991
Mean 619.2
RMS 93.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

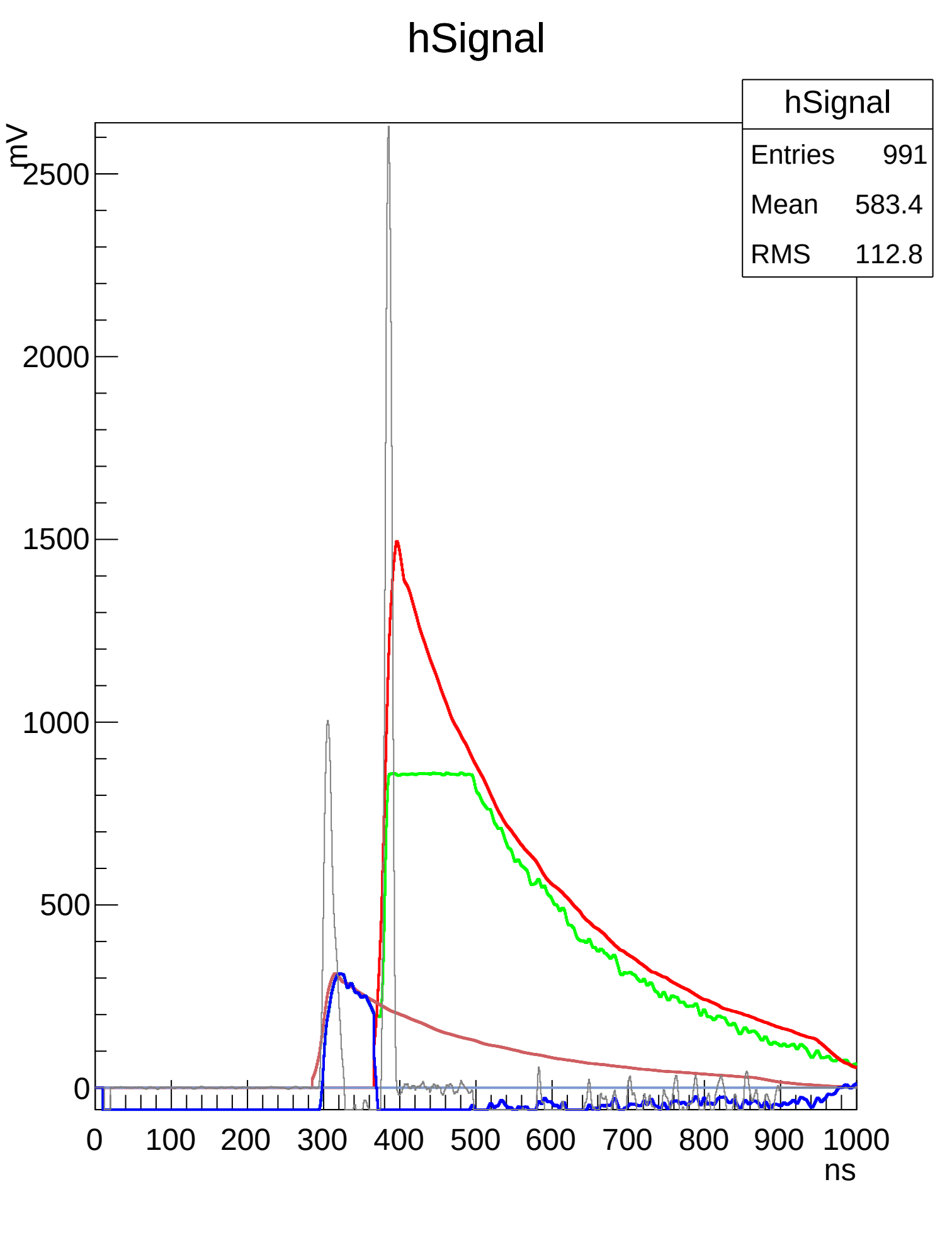

hSignal
hSignal
Entries 991
Mean 587
RMS 157.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

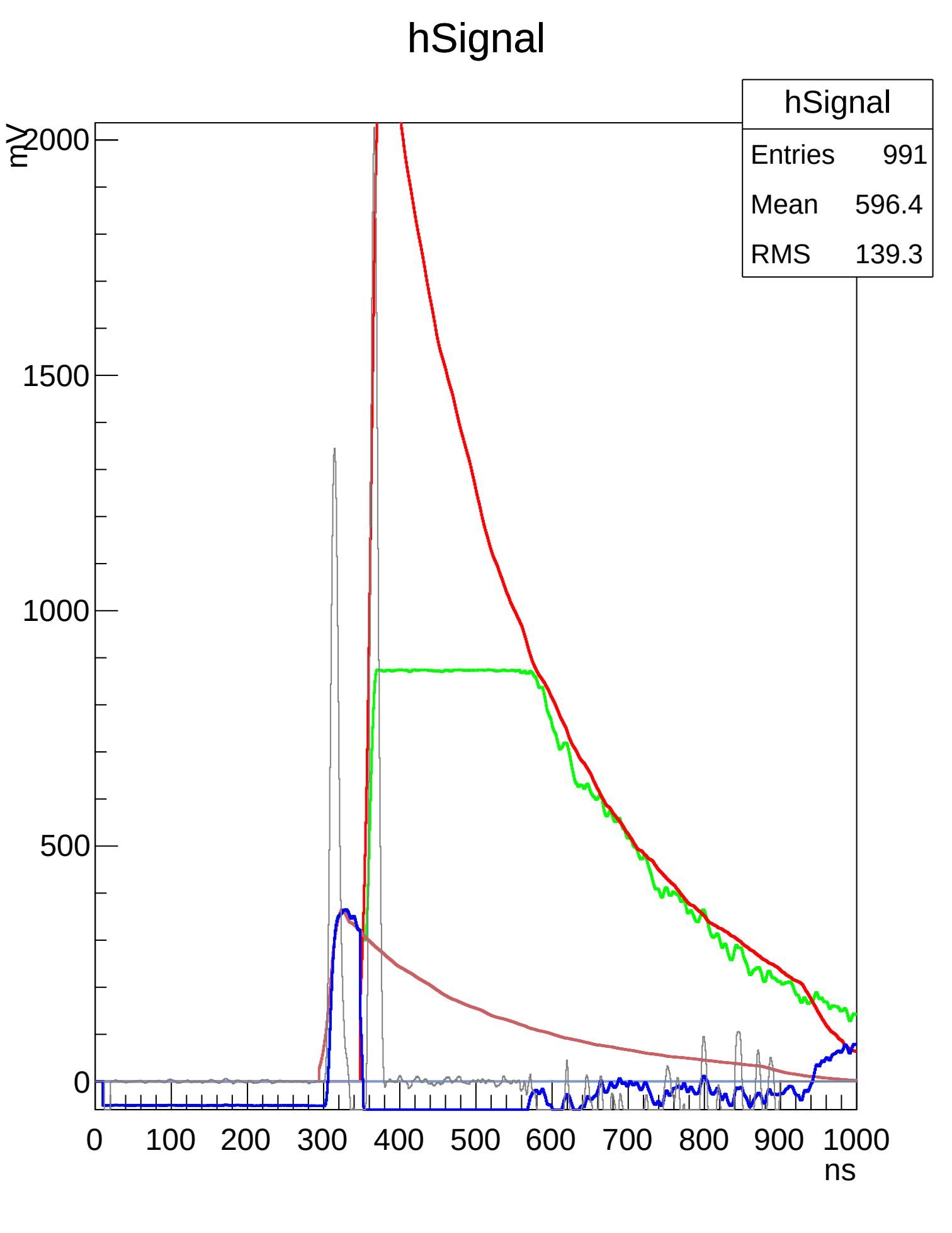

hSignal
hSignal
Entries 991
Mean 591.8
RMS 154.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

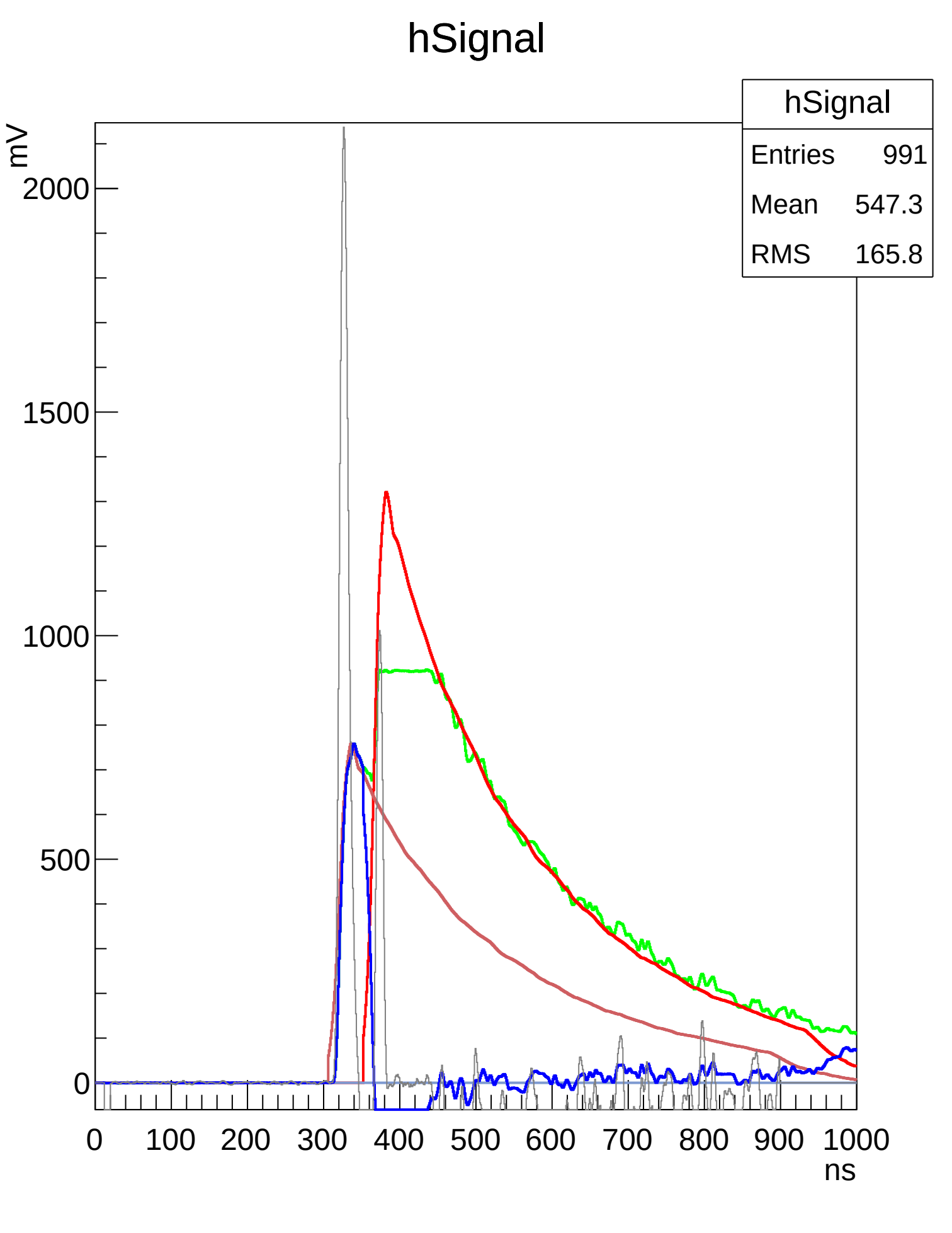

hSignal
hSignal
Entries 991
Mean 553.6
RMS 172.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

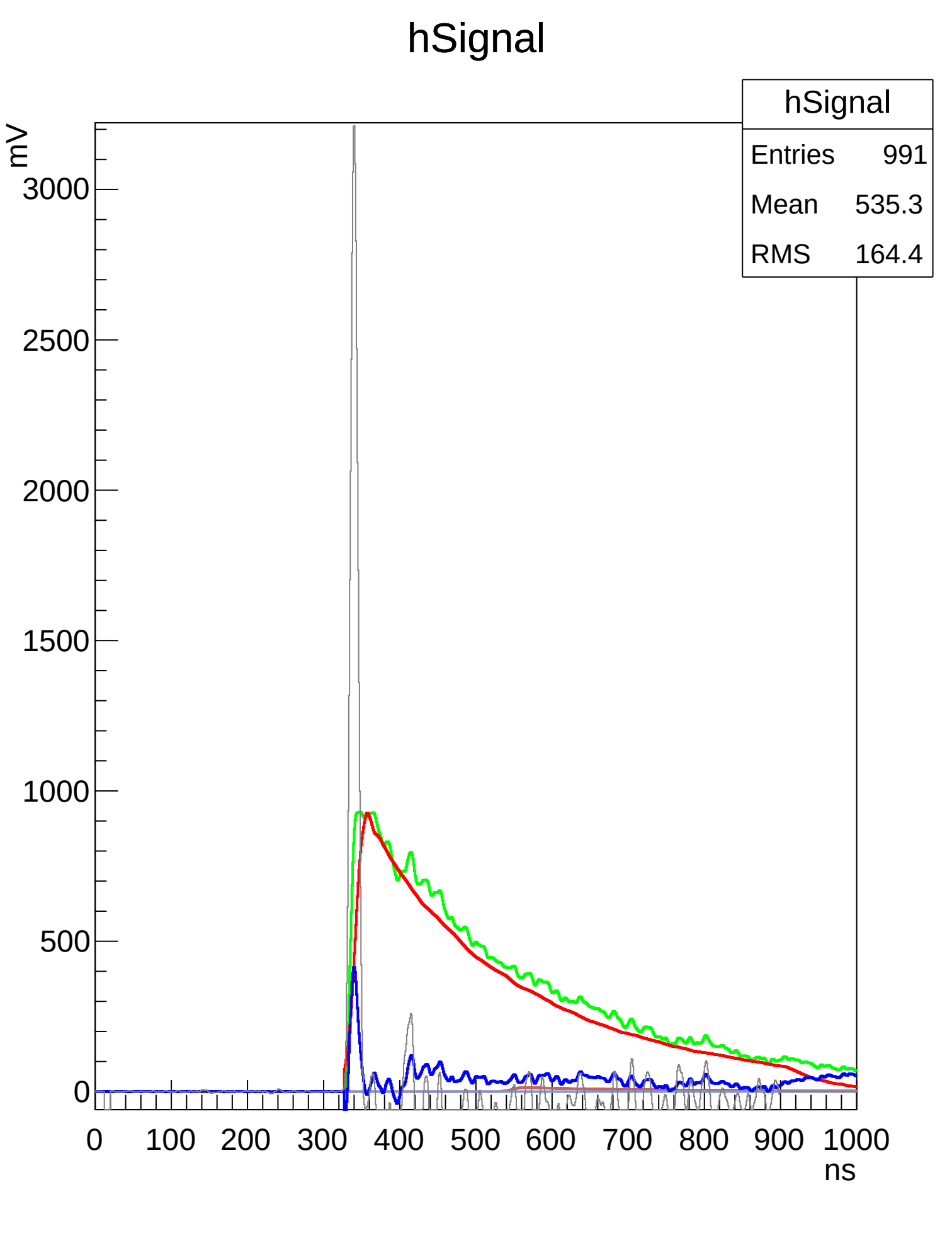

hSignal
hSignal
Entries 991
Mean 579.1
RMS 158.3
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

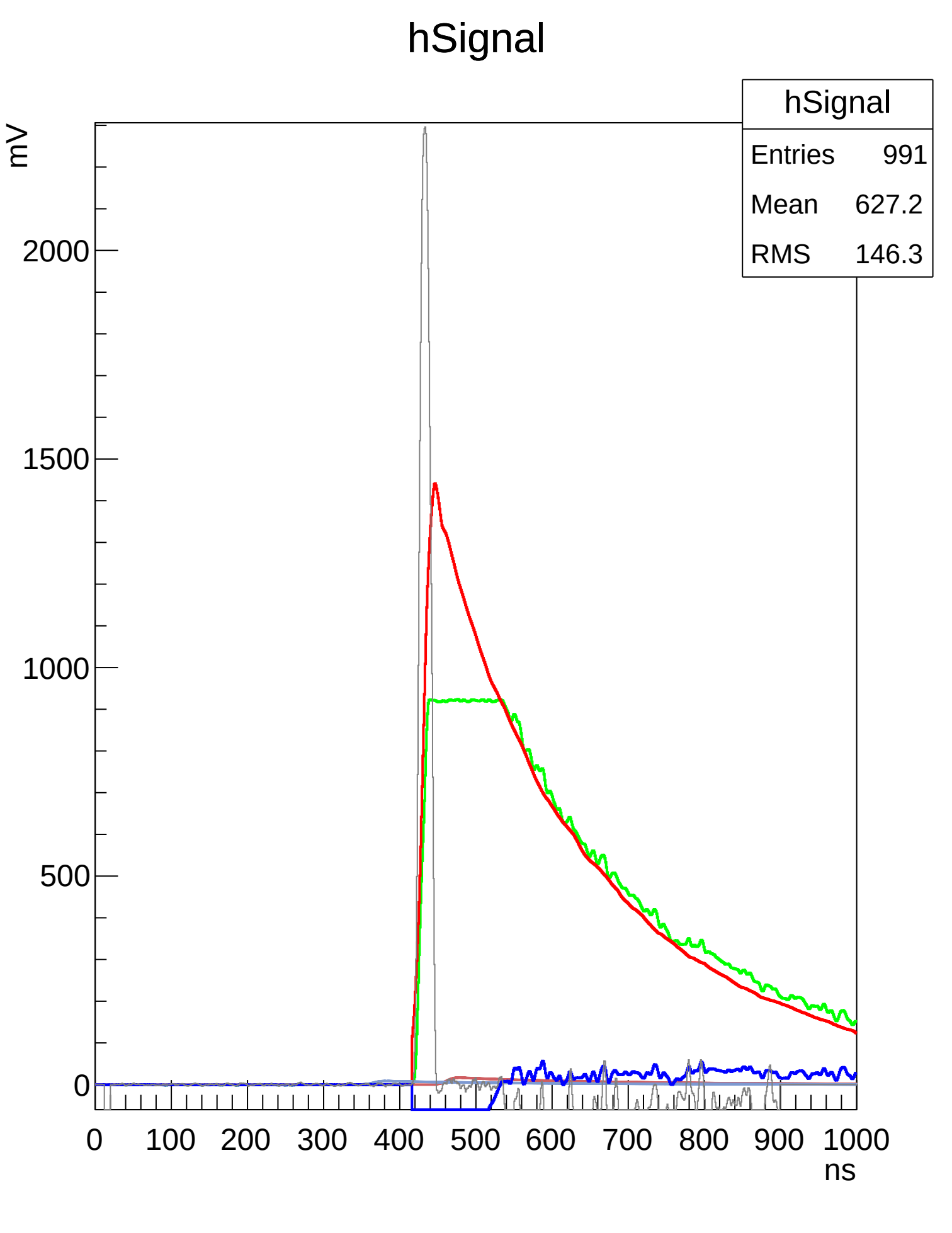

hSignal
hSignal
Entries 991
Mean 519.7
RMS 168.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

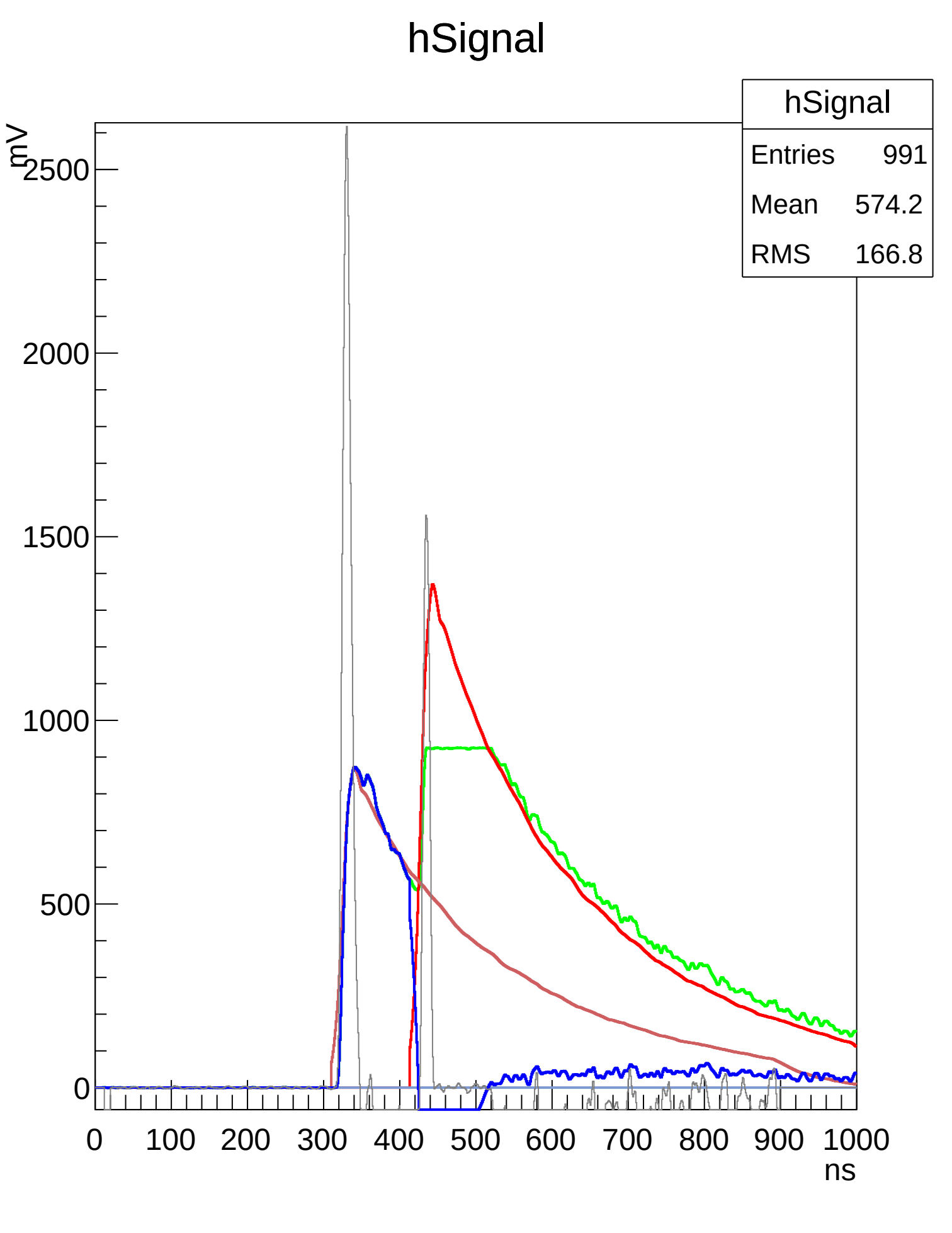

hSignal
hSignal
Entries 991
Mean 583.4
RMS 112.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

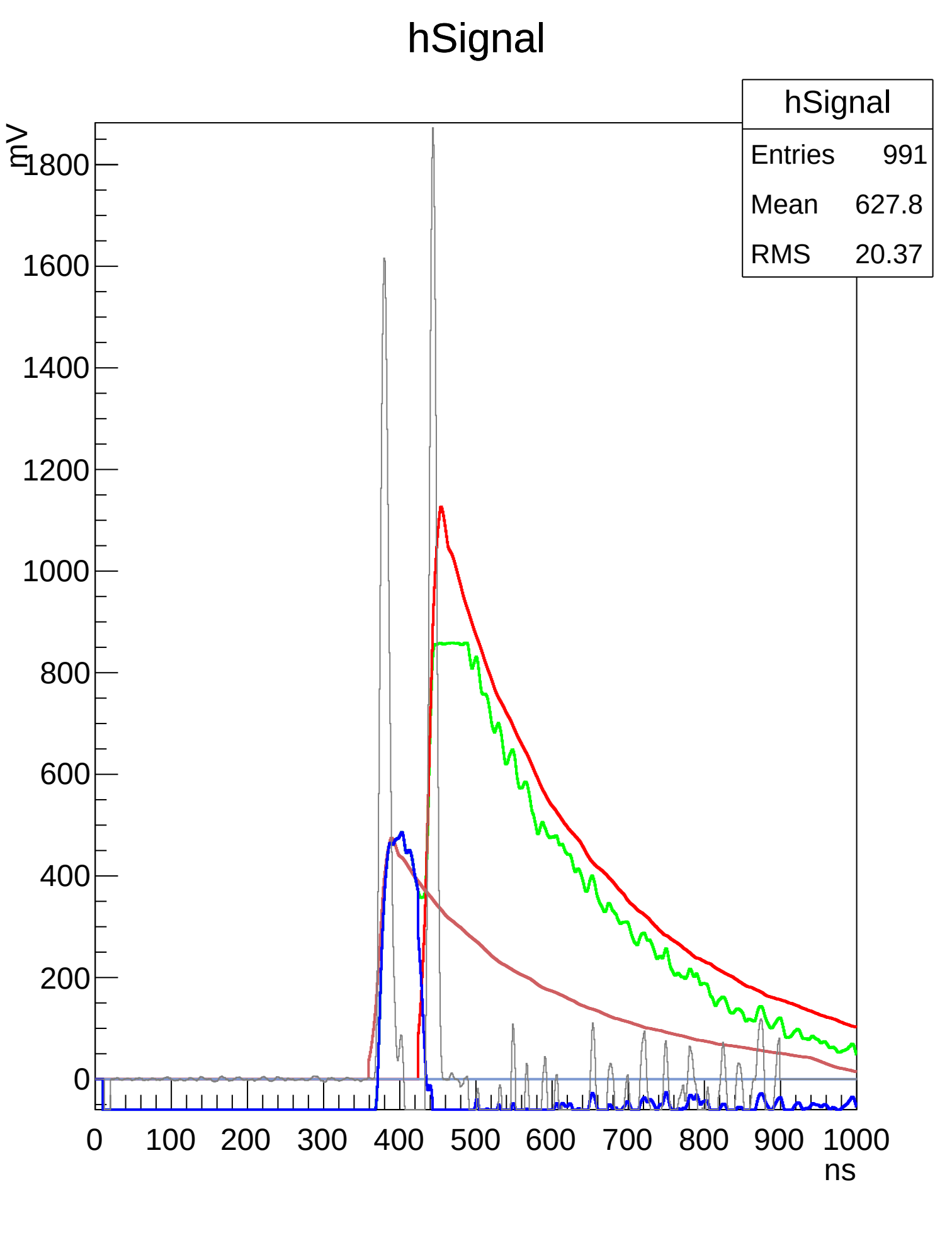

hSignal
hSignal
Entries 991
Mean 596.4
RMS 139.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

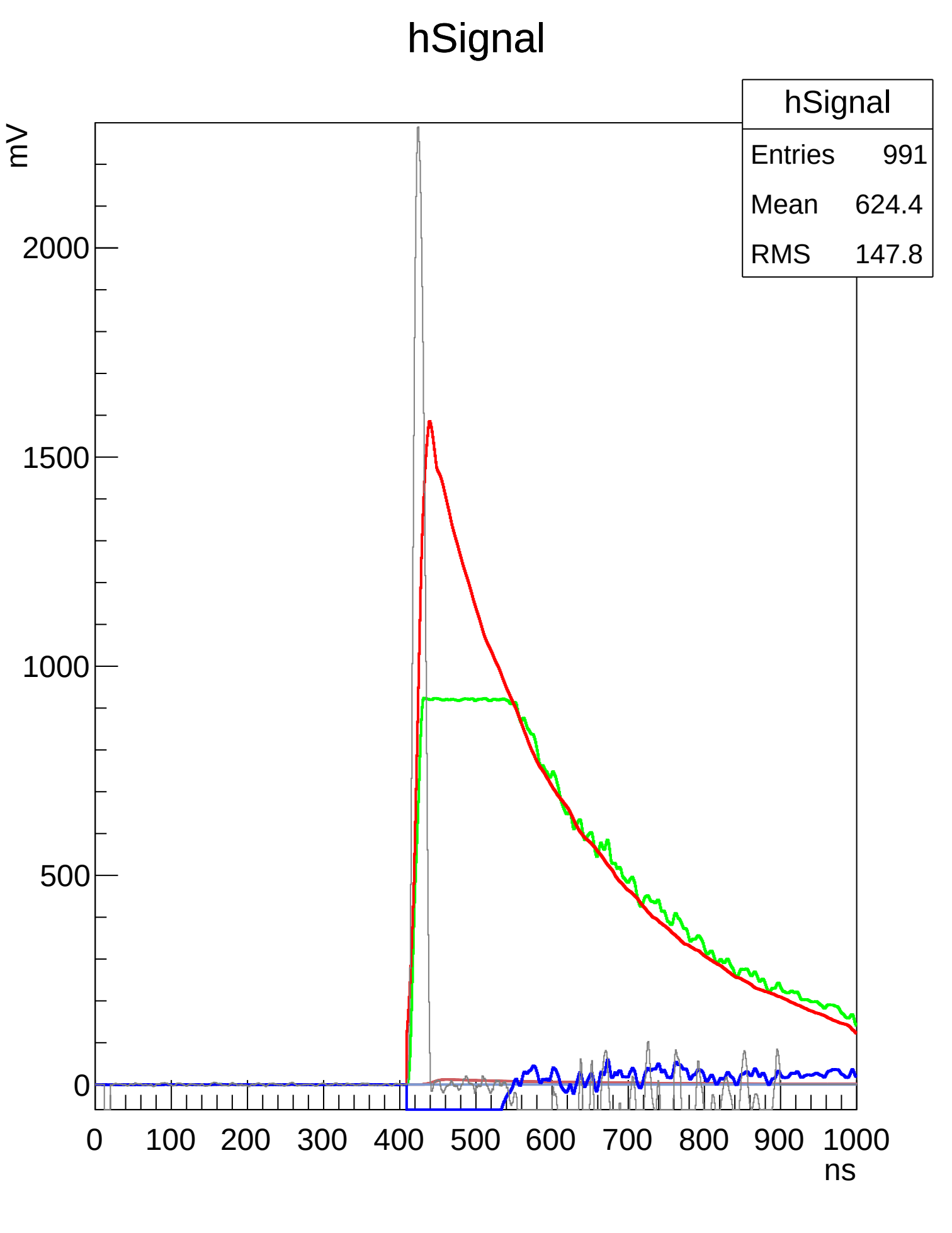

hSignal
hSignal
Entries 991
Mean 547.3
RMS 165.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

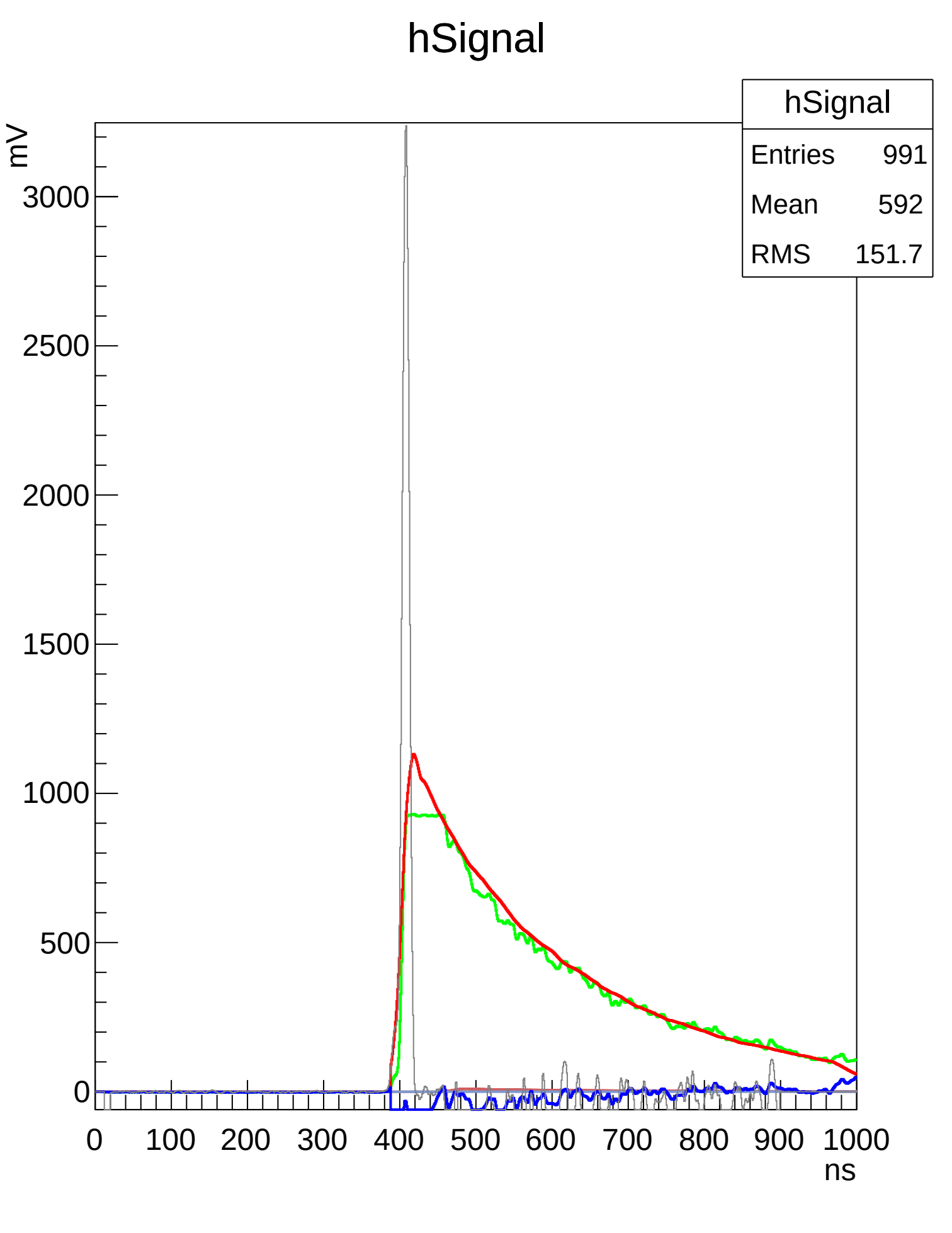

hSignal
hSignal
Entries 991
Mean 535.3
RMS 164.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

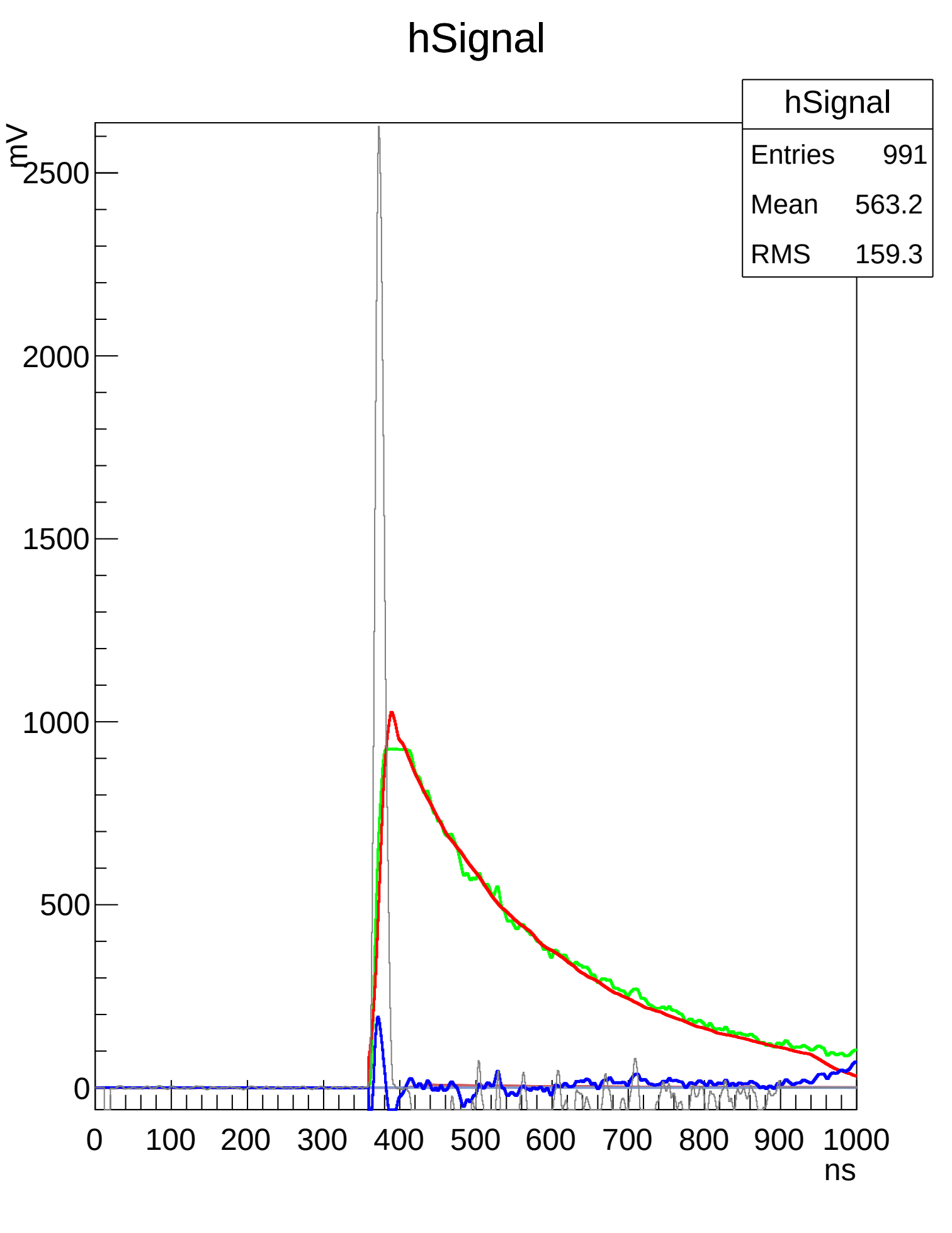

hSignal
hSignal
Entries 991
Mean 627.2
RMS 146.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

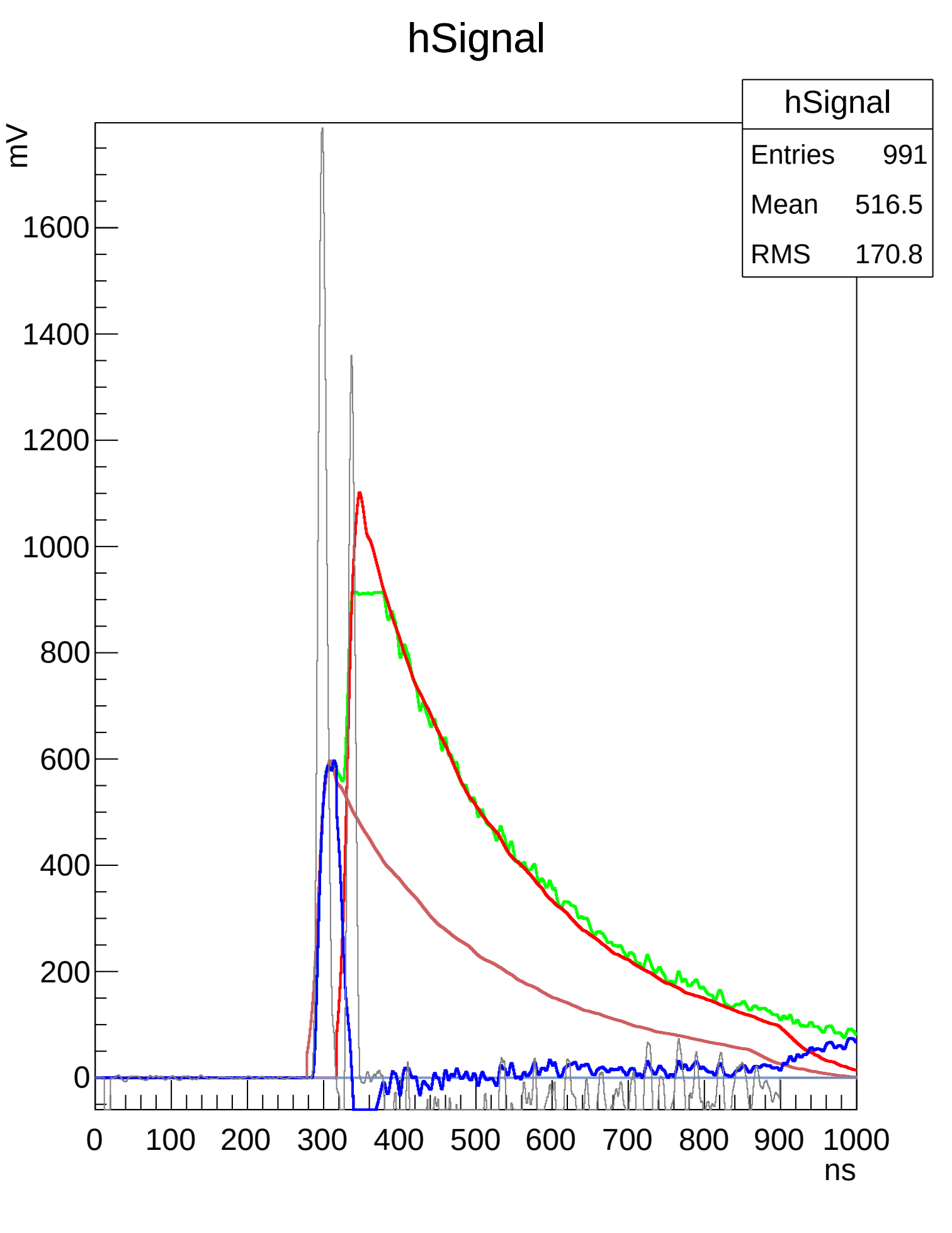

hSignal
hSignal
Entries 991
Mean 574.2
RMS 166.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

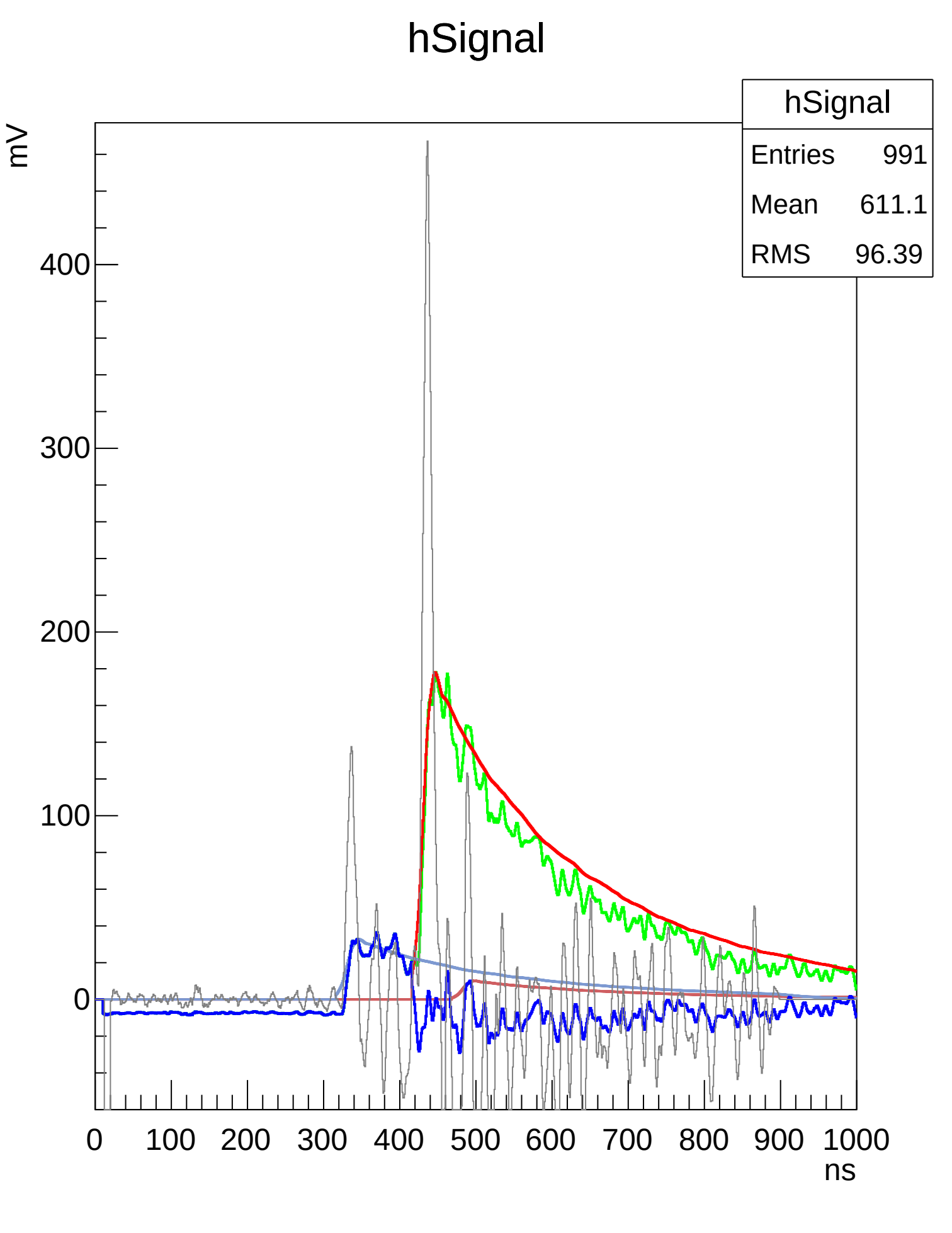

hSignal
hSignal
Entries 991
Mean 627.8
RMS 20.37
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

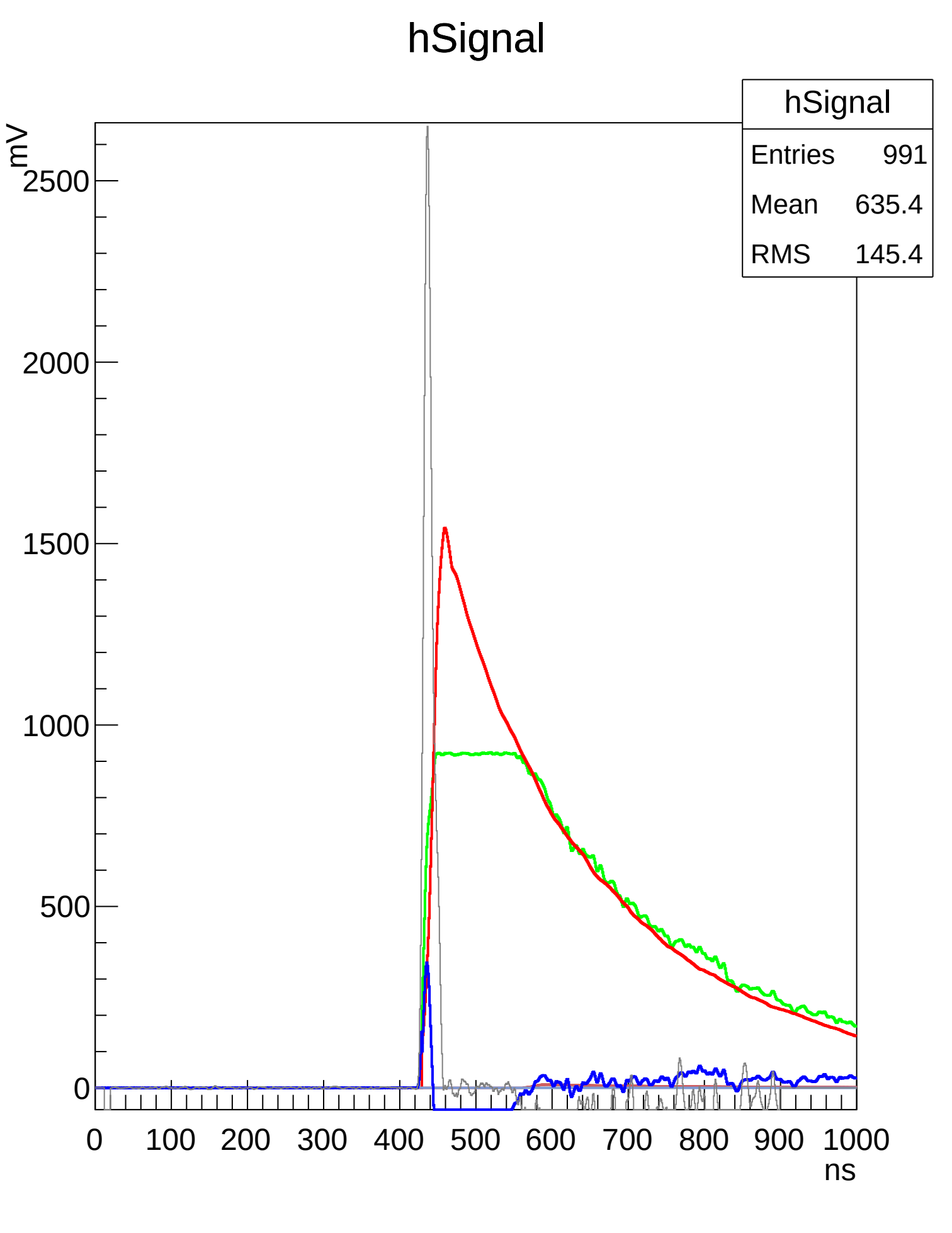

hSignal
hSignal
Entries 991
Mean 624.4
RMS 147.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

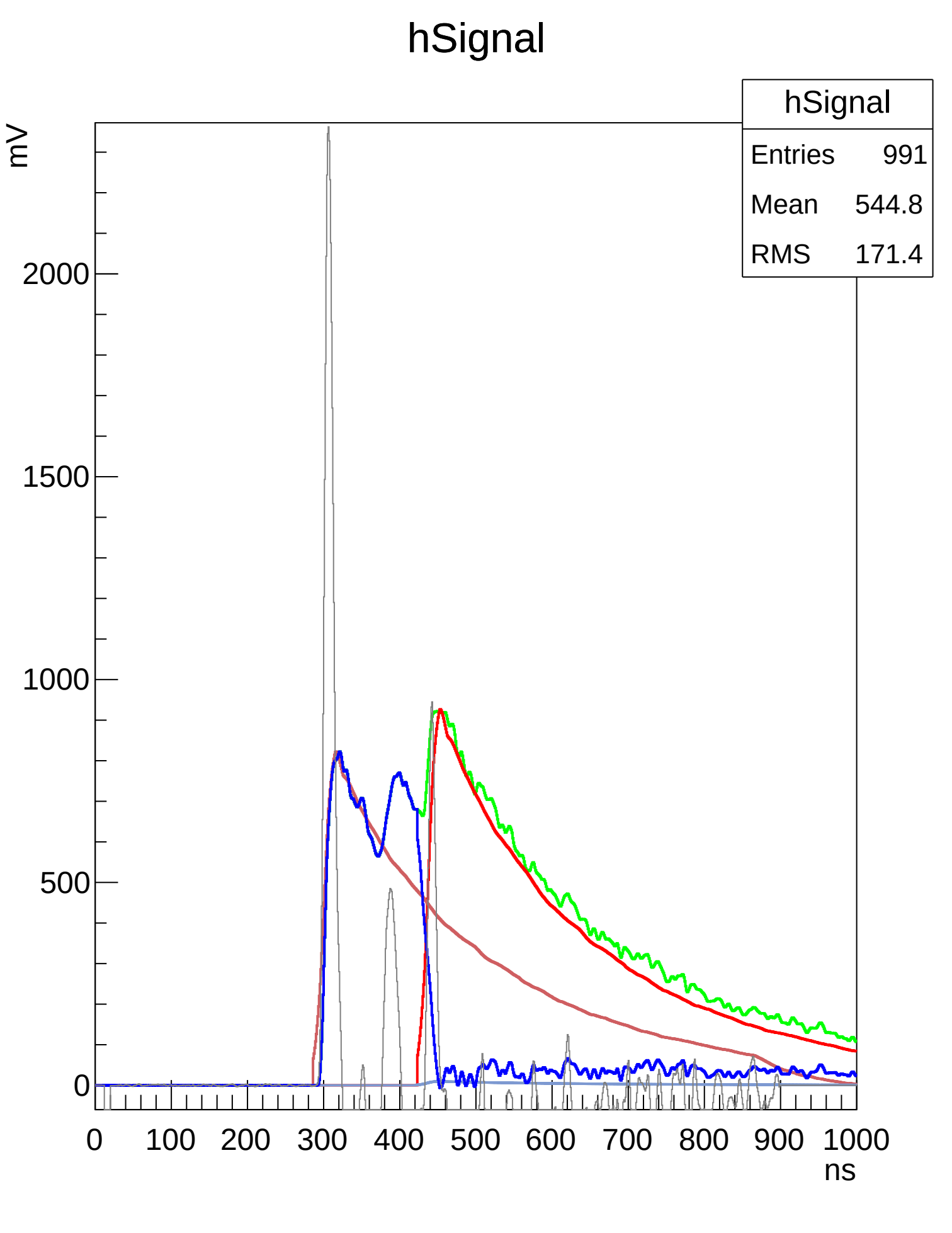

hSignal
hSignal
Entries 991
Mean 592
RMS 151.7
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

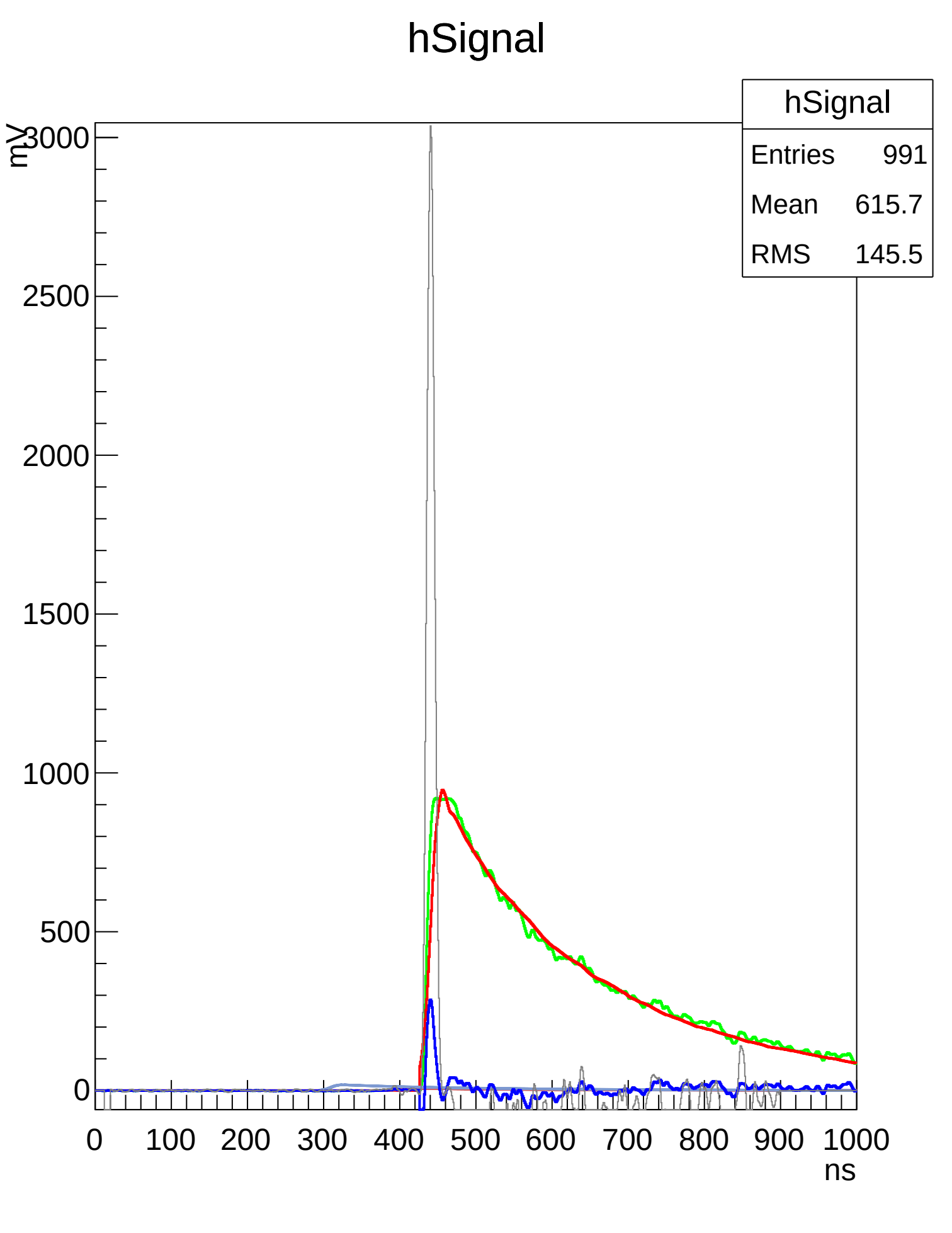

hSignal
hSignal
Entries 991
Mean 563.2
RMS 159.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

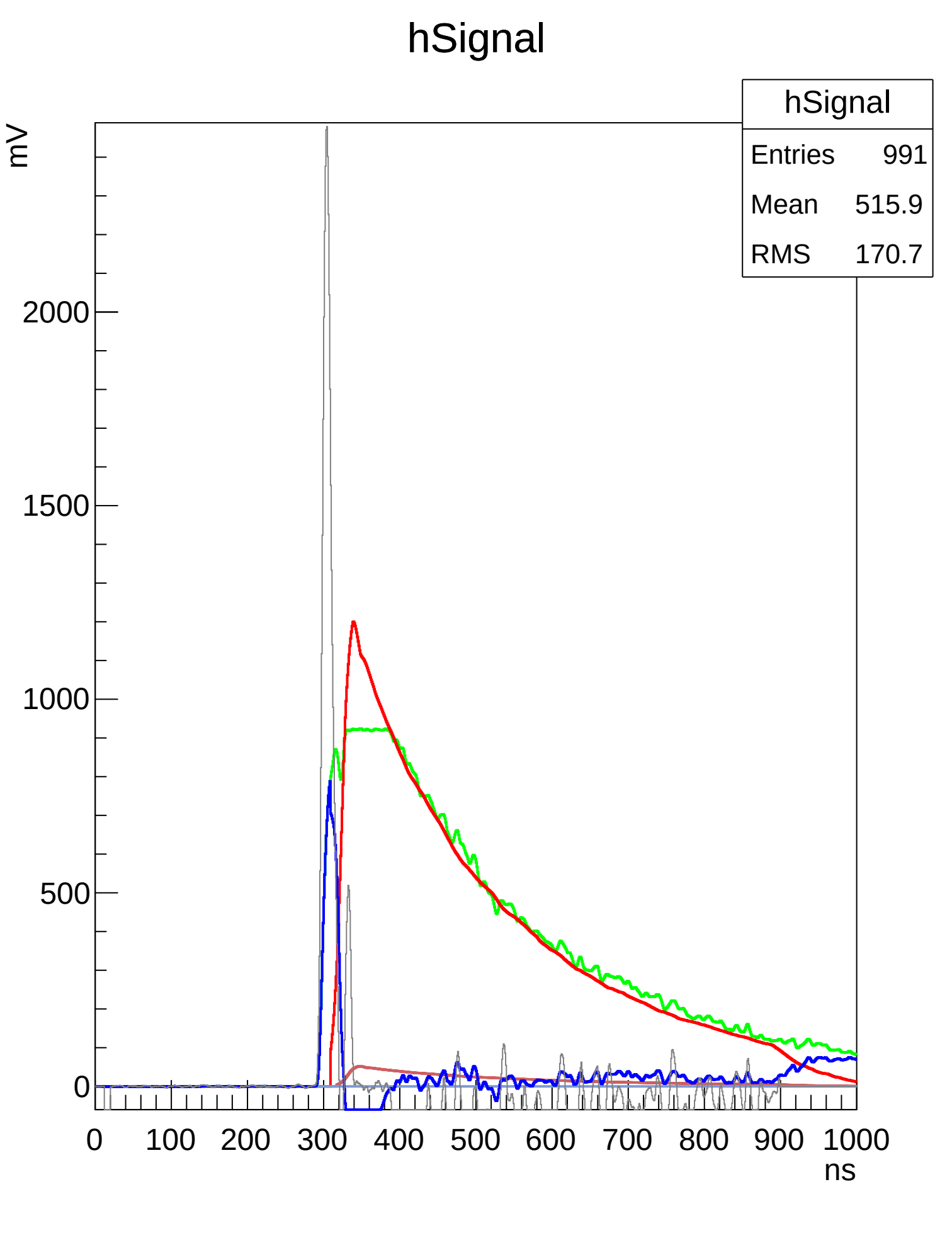

hSignal
hSignal
Entries 991
Mean 516.5
RMS 170.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

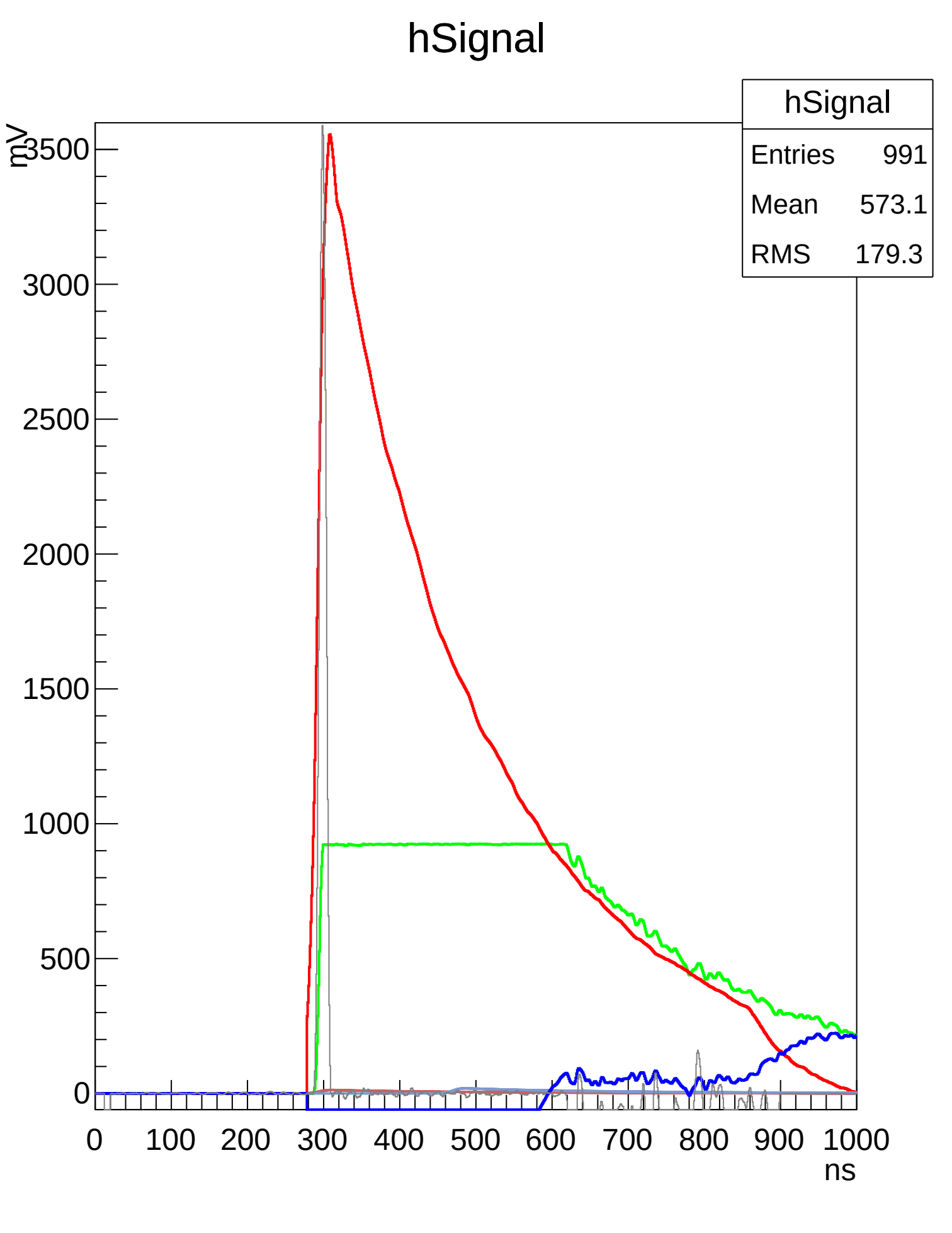

hSignal
hSignal
Entries 991
Mean 611.1
RMS 96.39
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

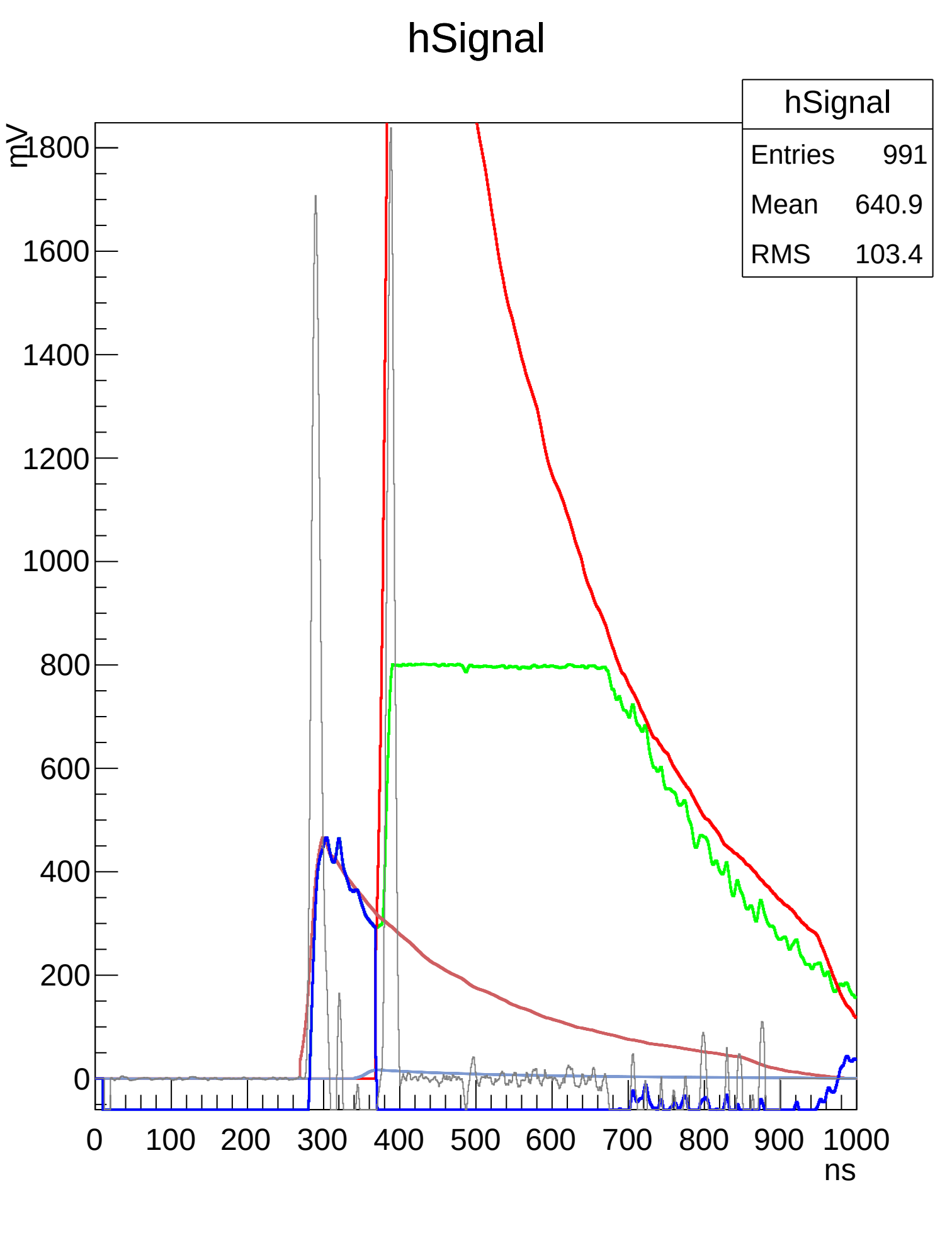

hSignal
hSignal
Entries 991
Mean 635.4
RMS 145.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

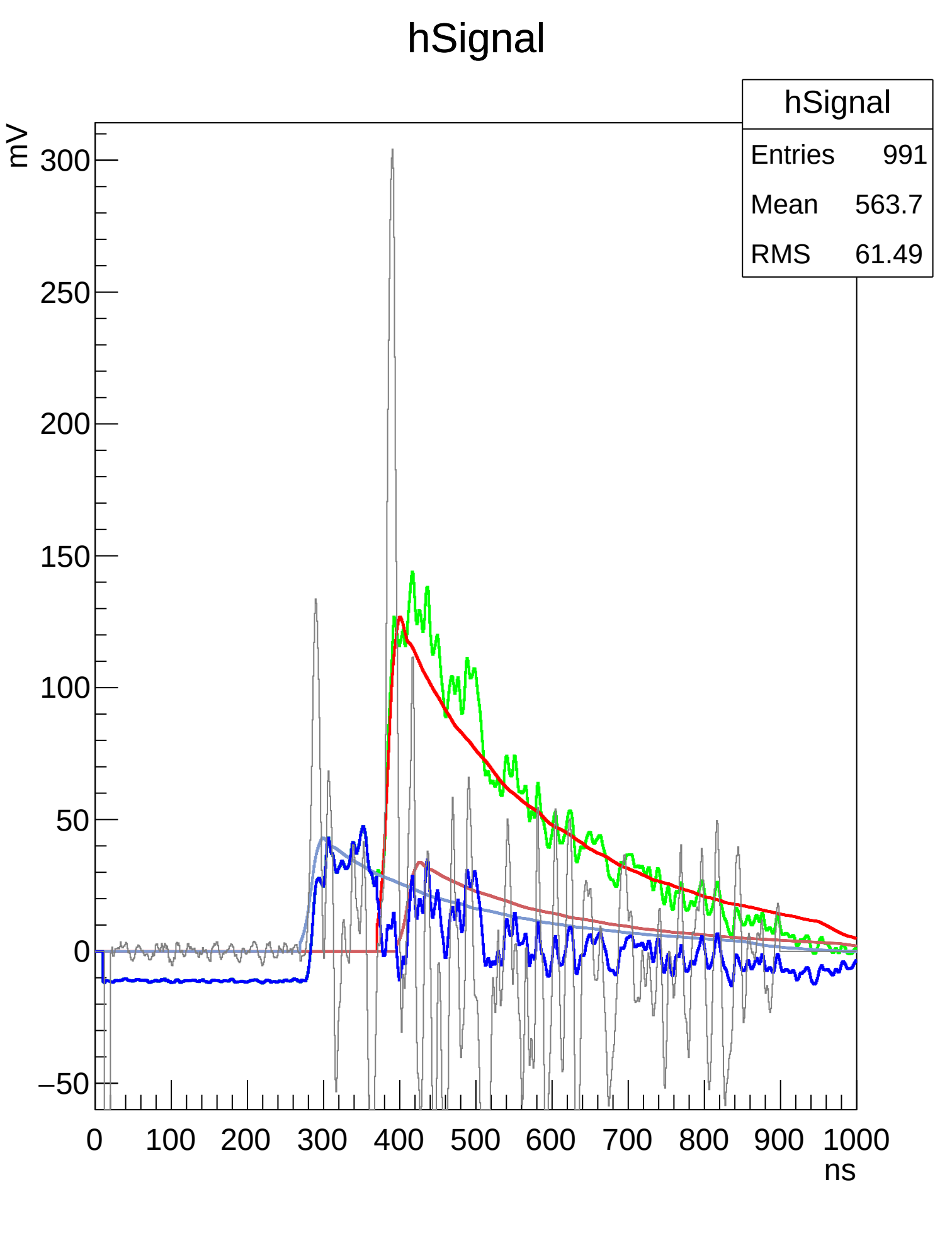

hSignal
hSignal
Entries 991
Mean 544.8
RMS 171.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

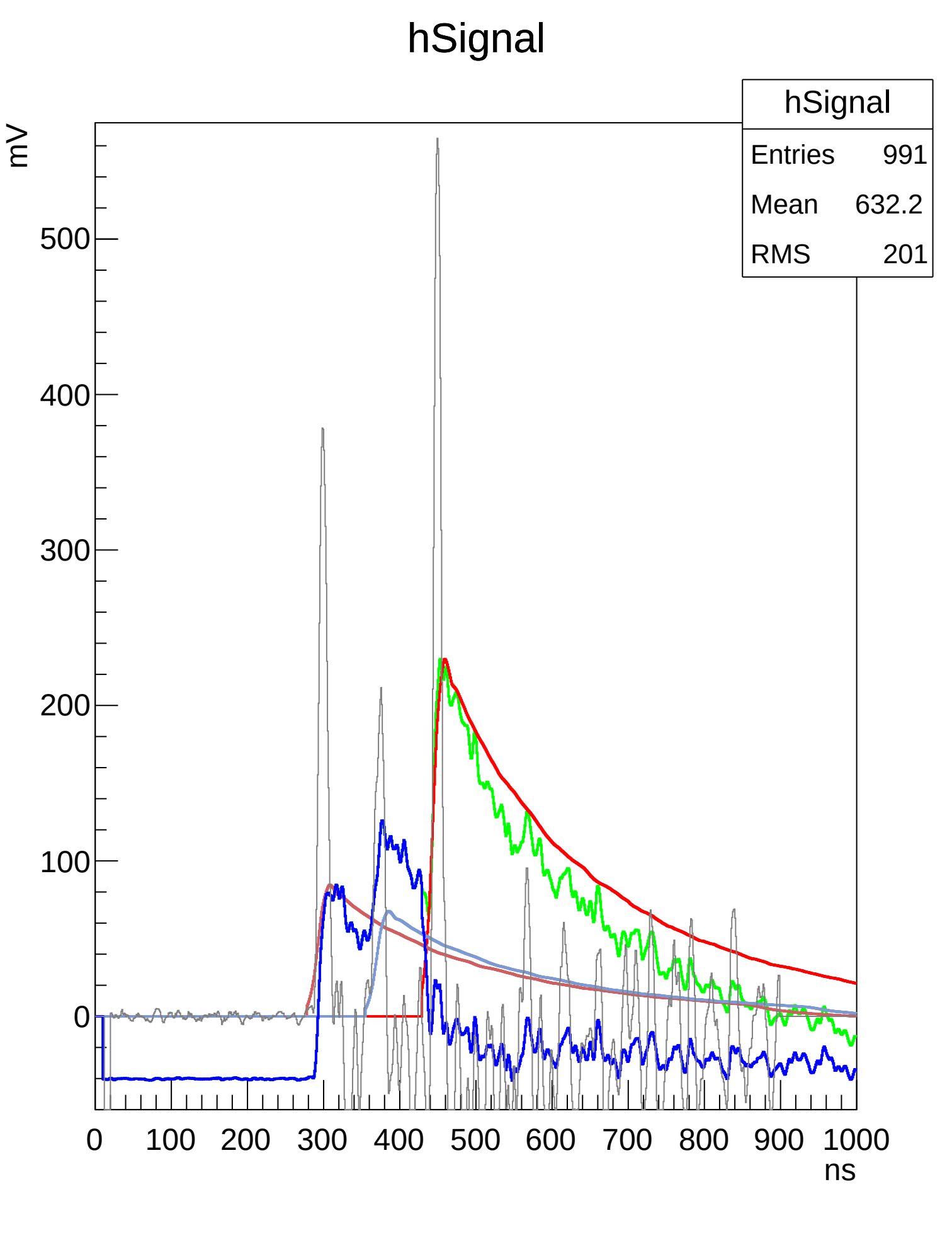

hSignal
hSignal
Entries 991
Mean 615.7
RMS 145.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

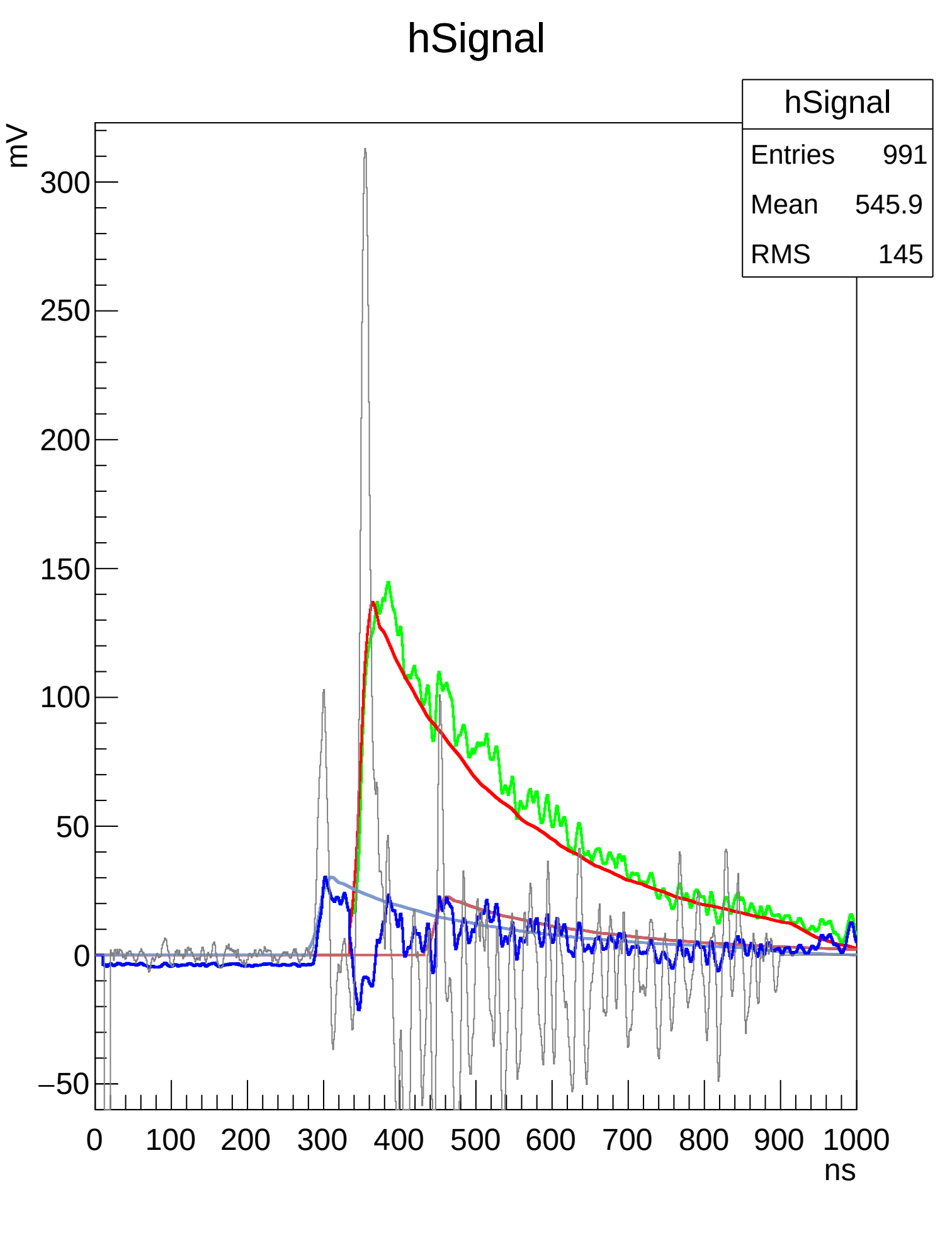

hSignal
hSignal
Entries 991
Mean 515.9
RMS 170.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

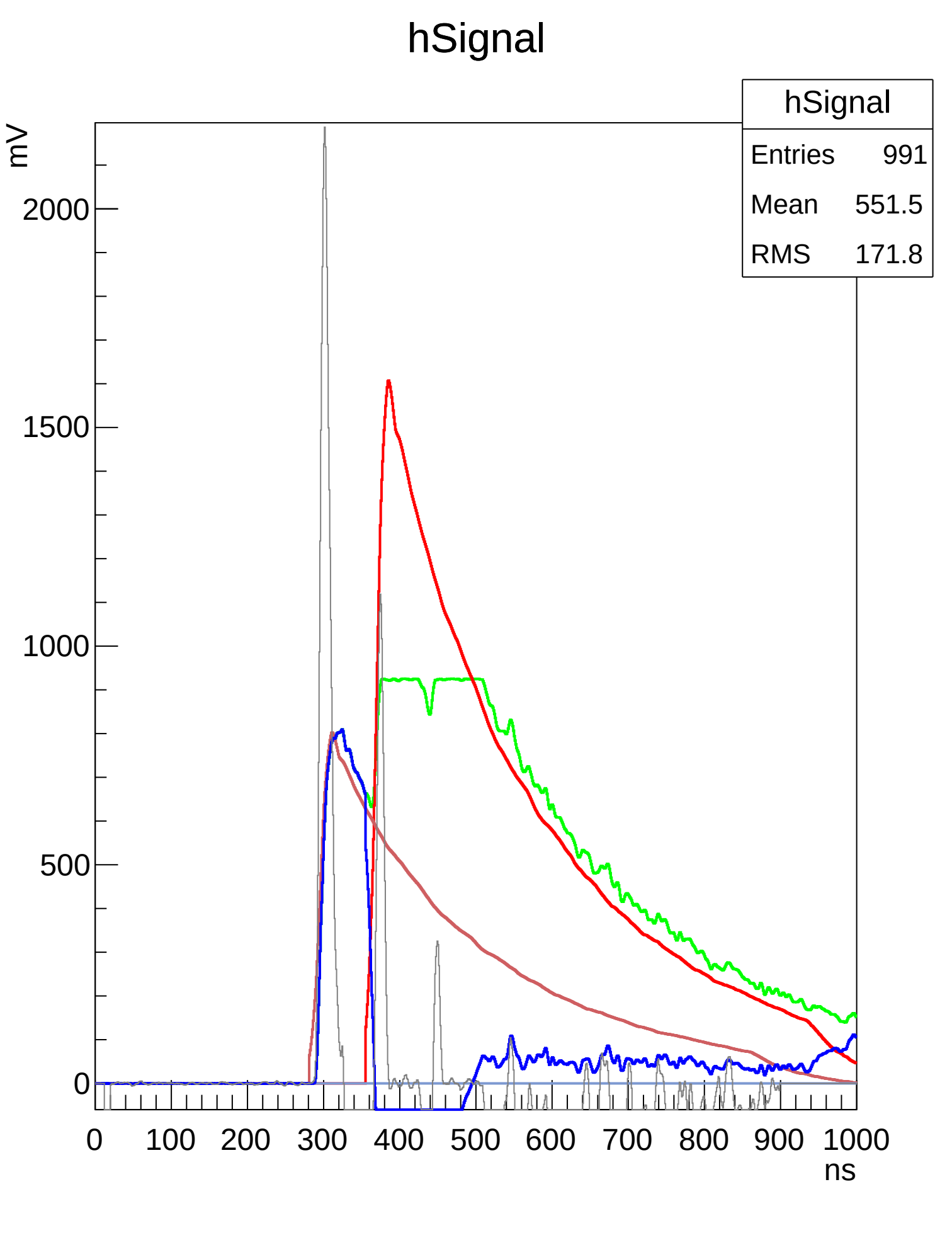

hSignal
hSignal
Entries 991
Mean 573.1
RMS 179.3
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

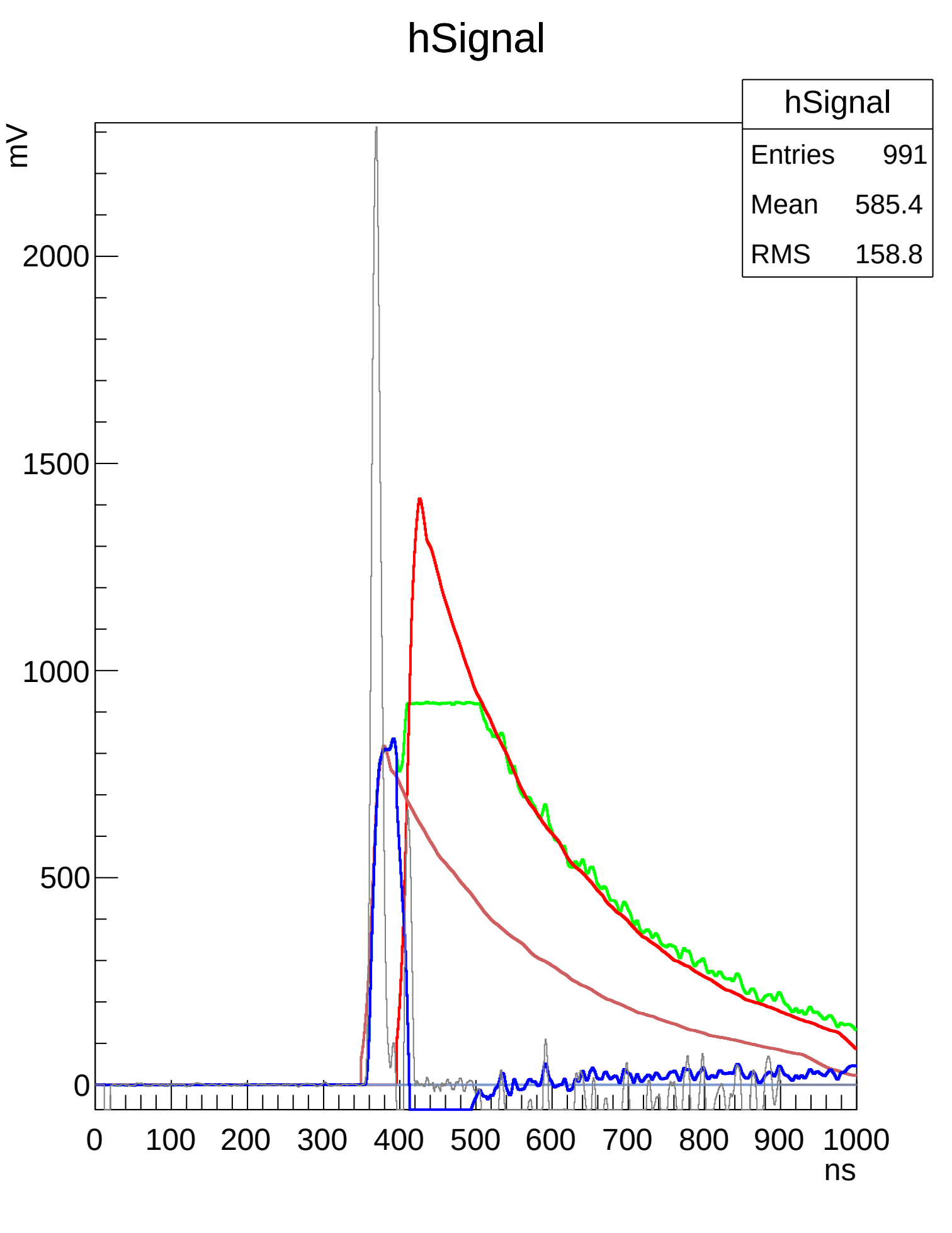

hSignal
hSignal
Entries 991
Mean 640.9
RMS 103.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

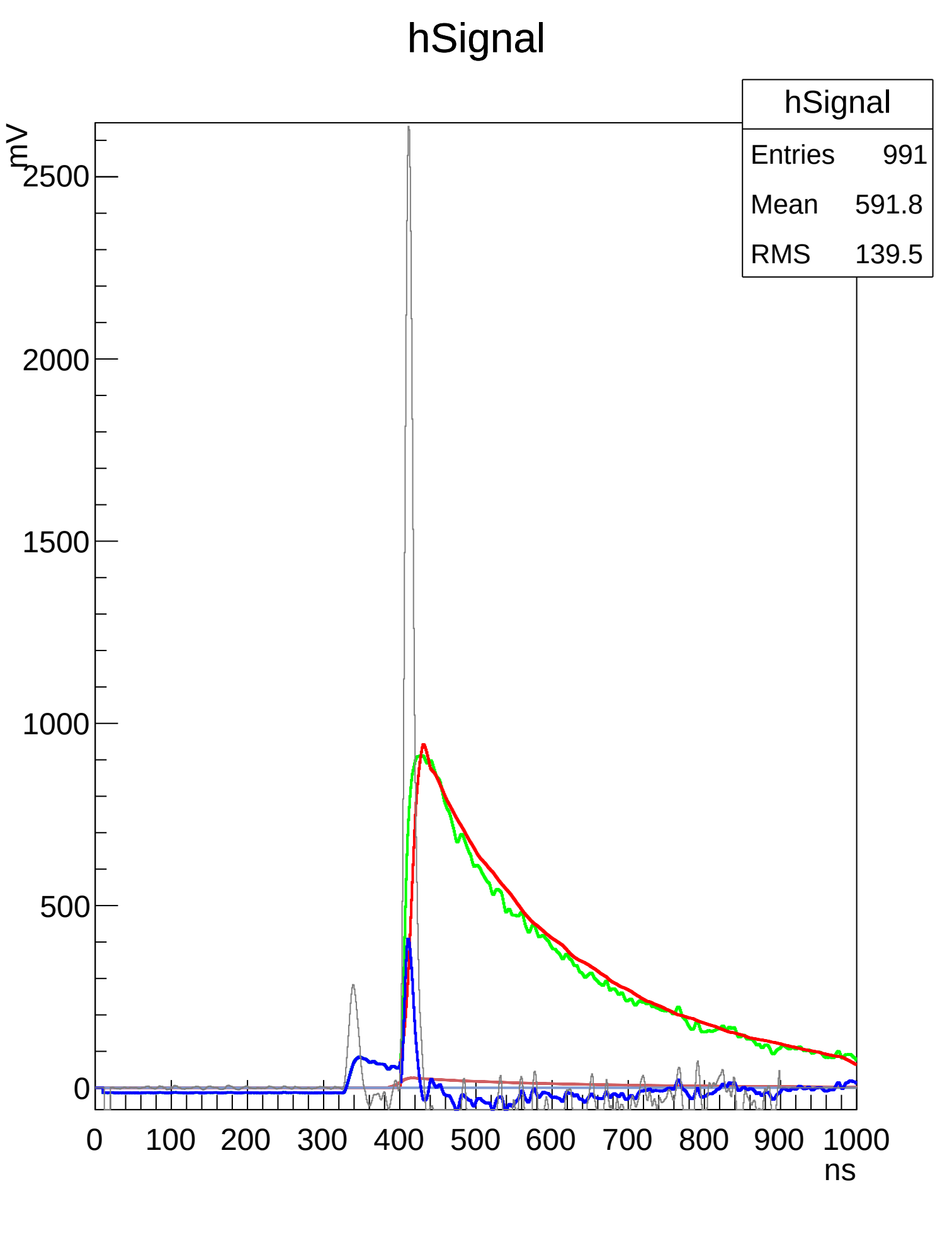

hSignal
hSignal
Entries 991
Mean 563.7
RMS 61.49
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

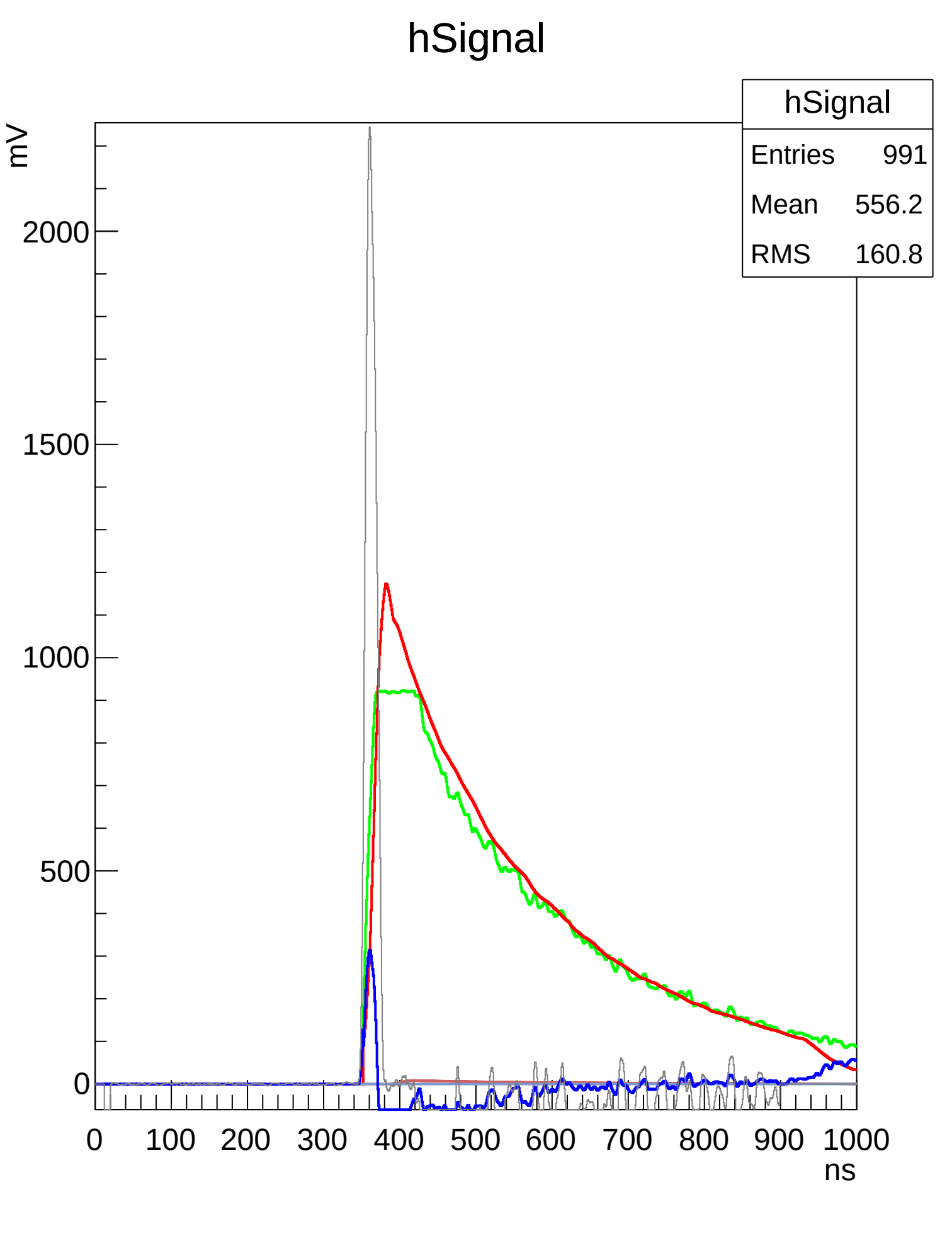

hSignal
hSignal
Entries 991
Mean 632.2
RMS 201
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

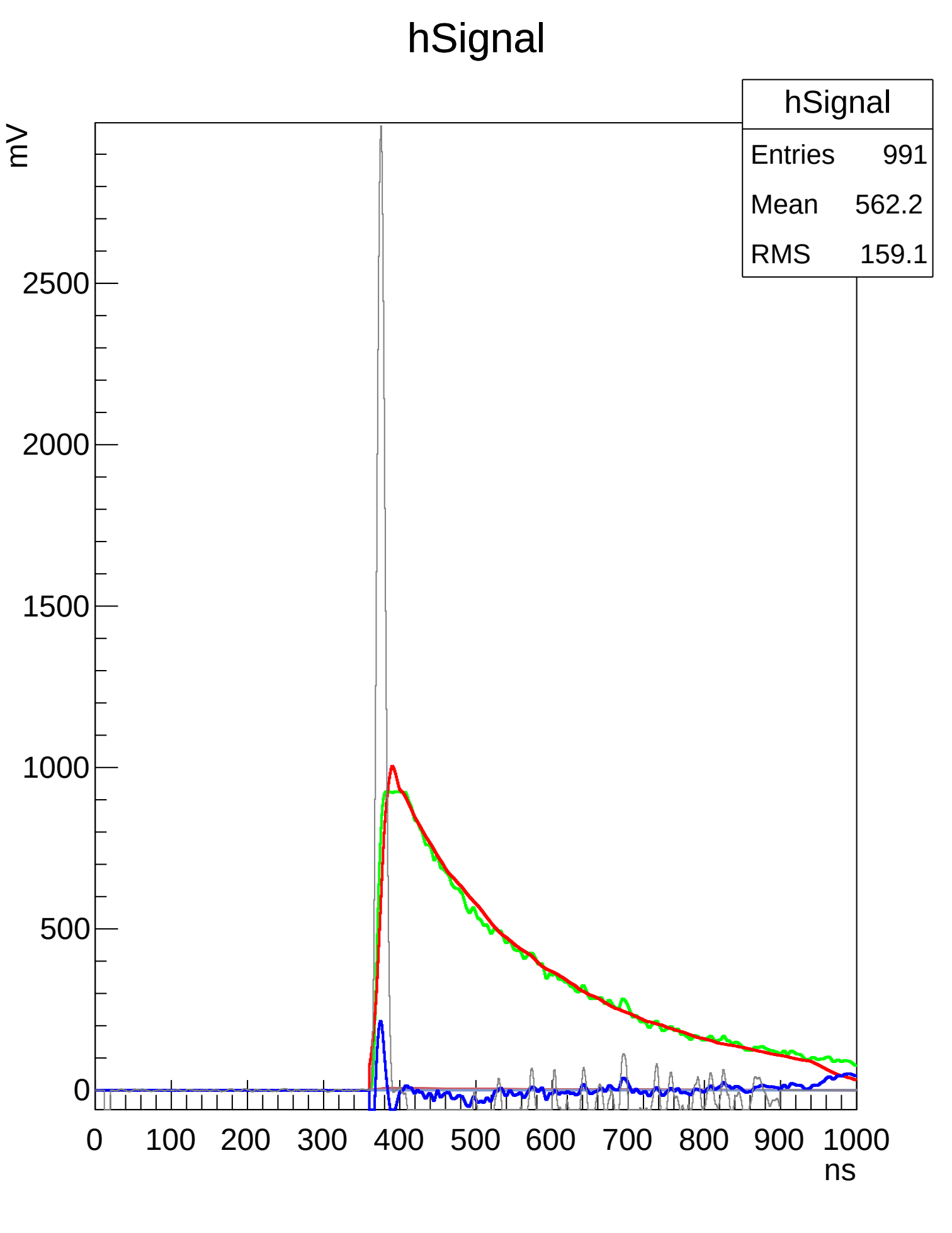

hSignal
hSignal
Entries 991
Mean 545.9
RMS 145
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

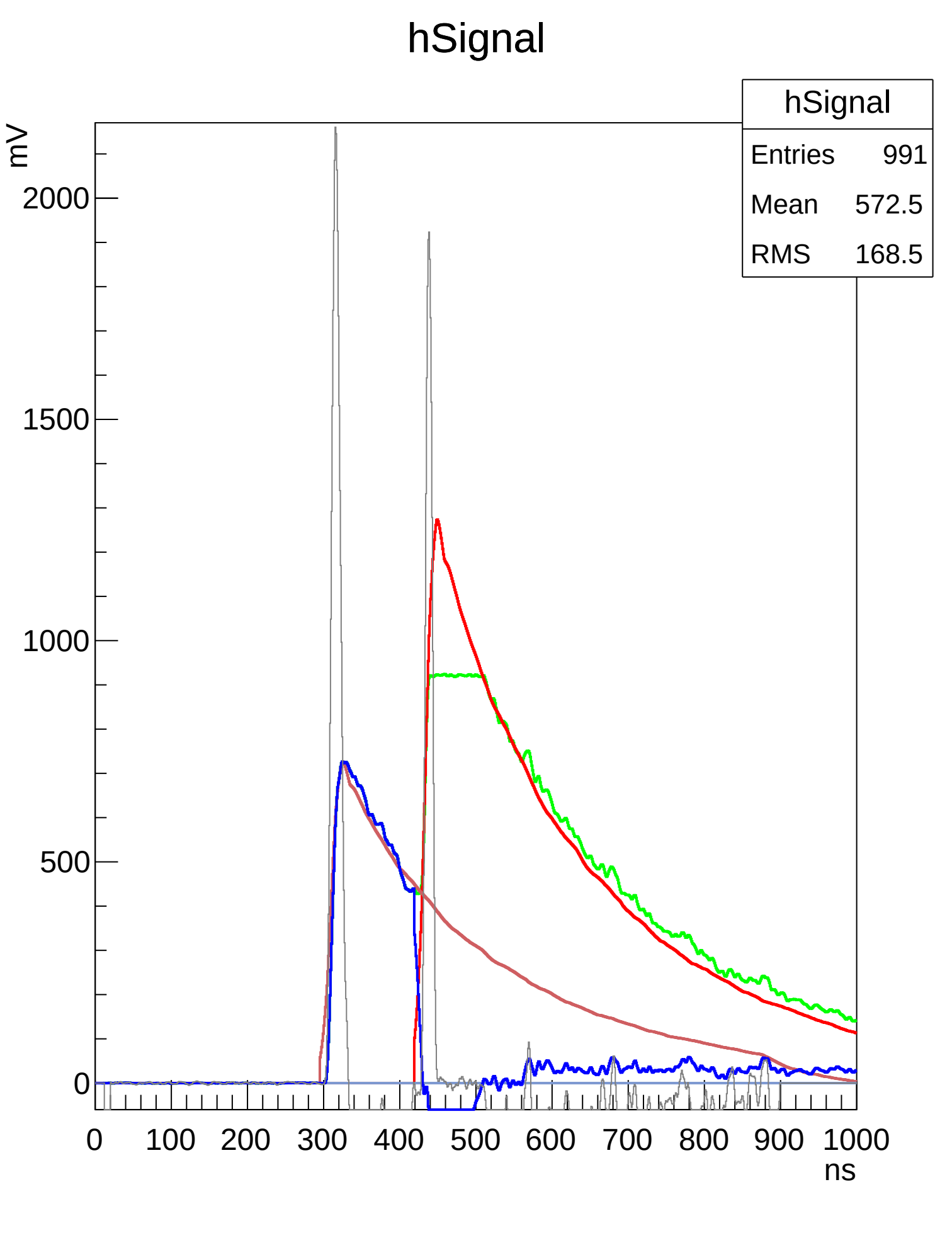

hSignal
hSignal
Entries 991
Mean 551.5
RMS 171.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

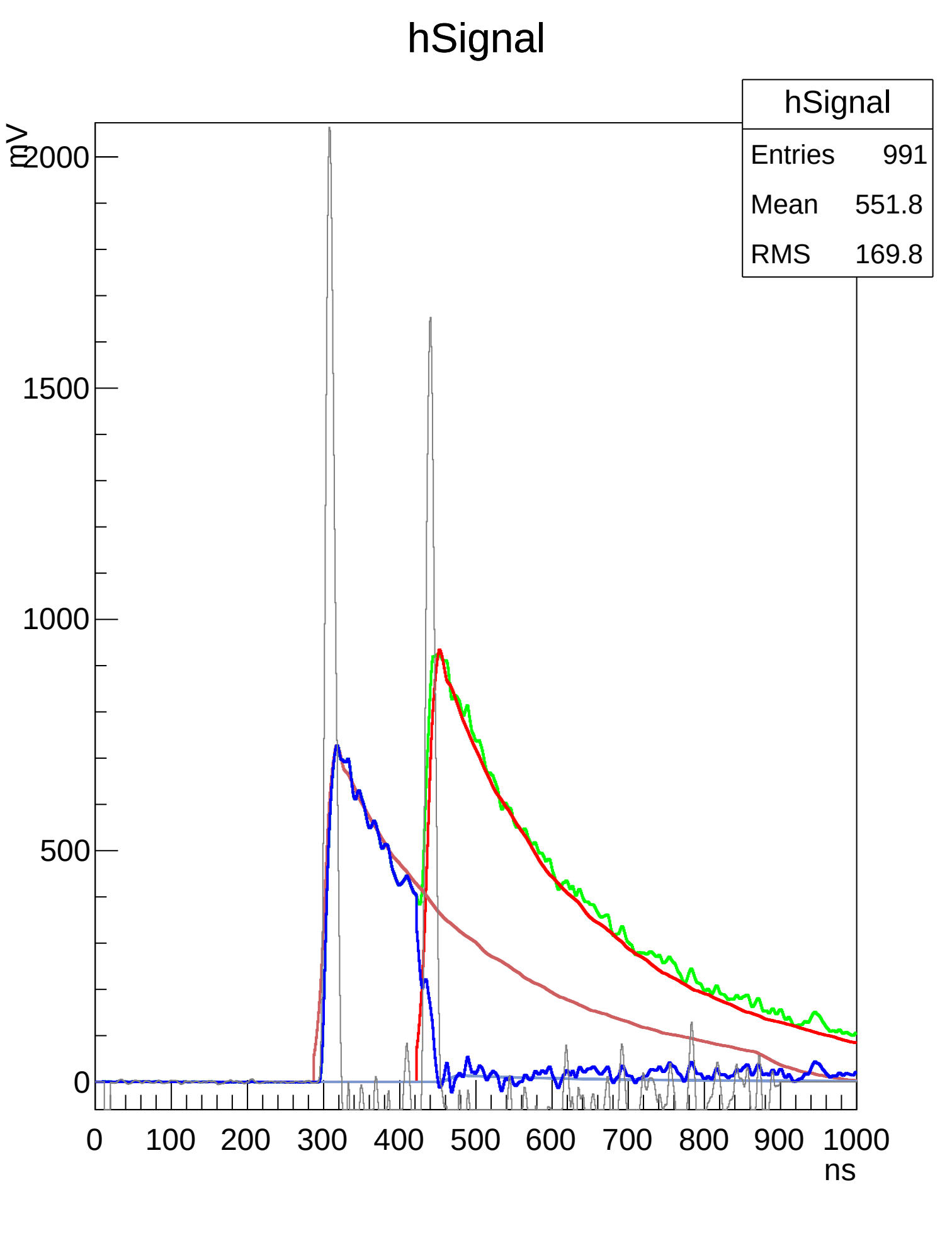

hSignal
hSignal
Entries 991
Mean 585.4
RMS 158.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

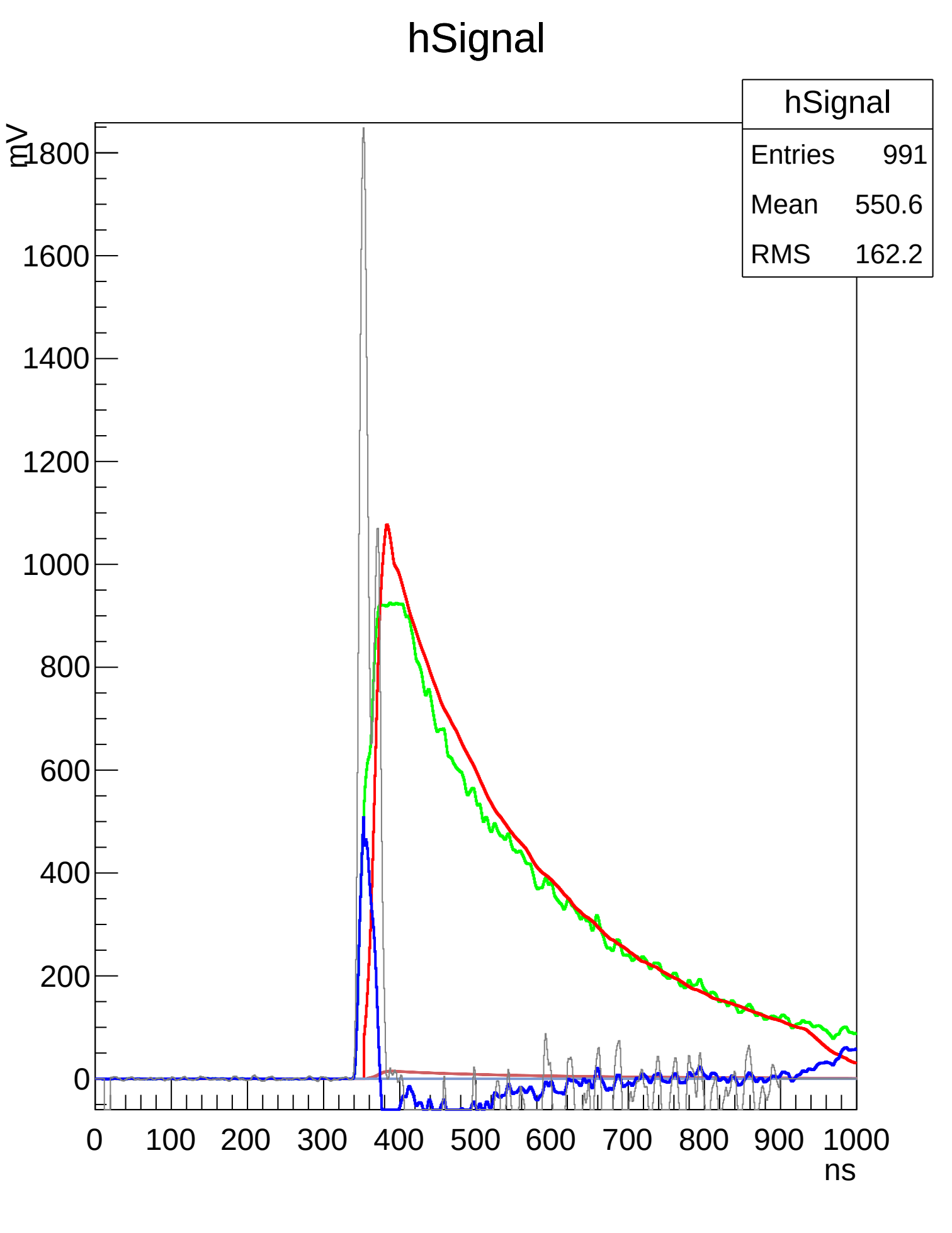

hSignal
hSignal
Entries 991
Mean 591.8
RMS 139.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

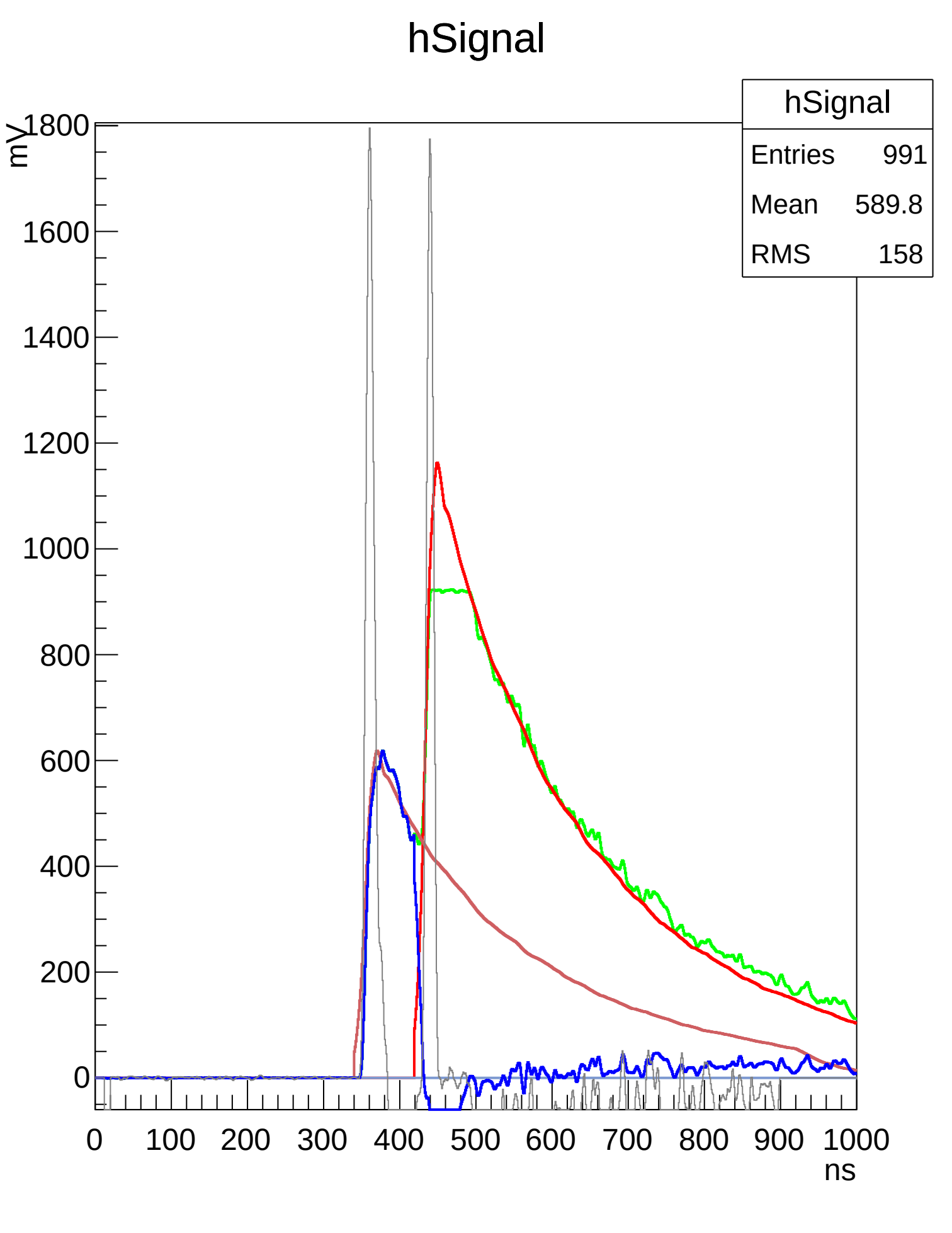

hSignal
hSignal
Entries 991
Mean 556.2
RMS 160.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

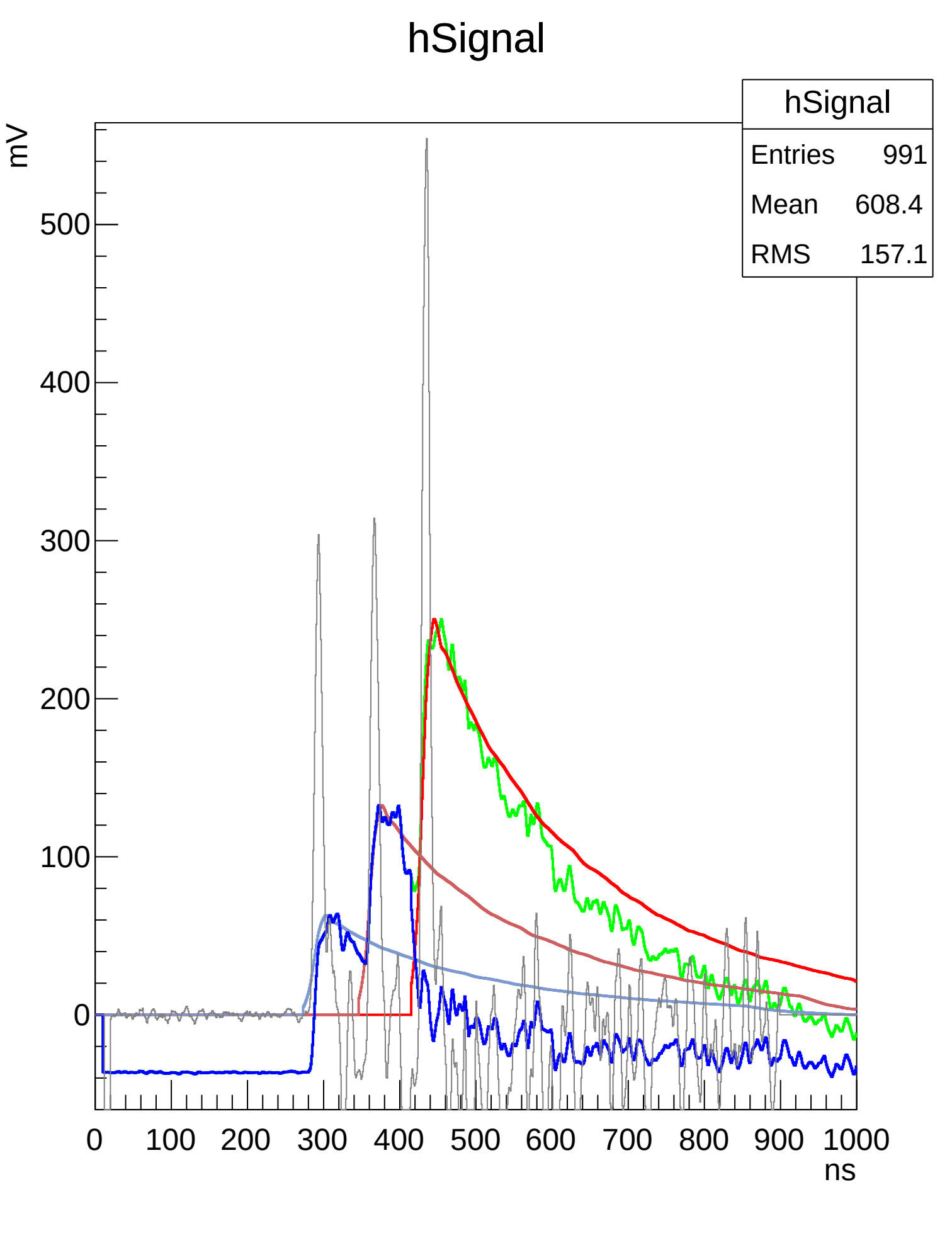

hSignal
hSignal
Entries 991
Mean 562.2
RMS 159.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

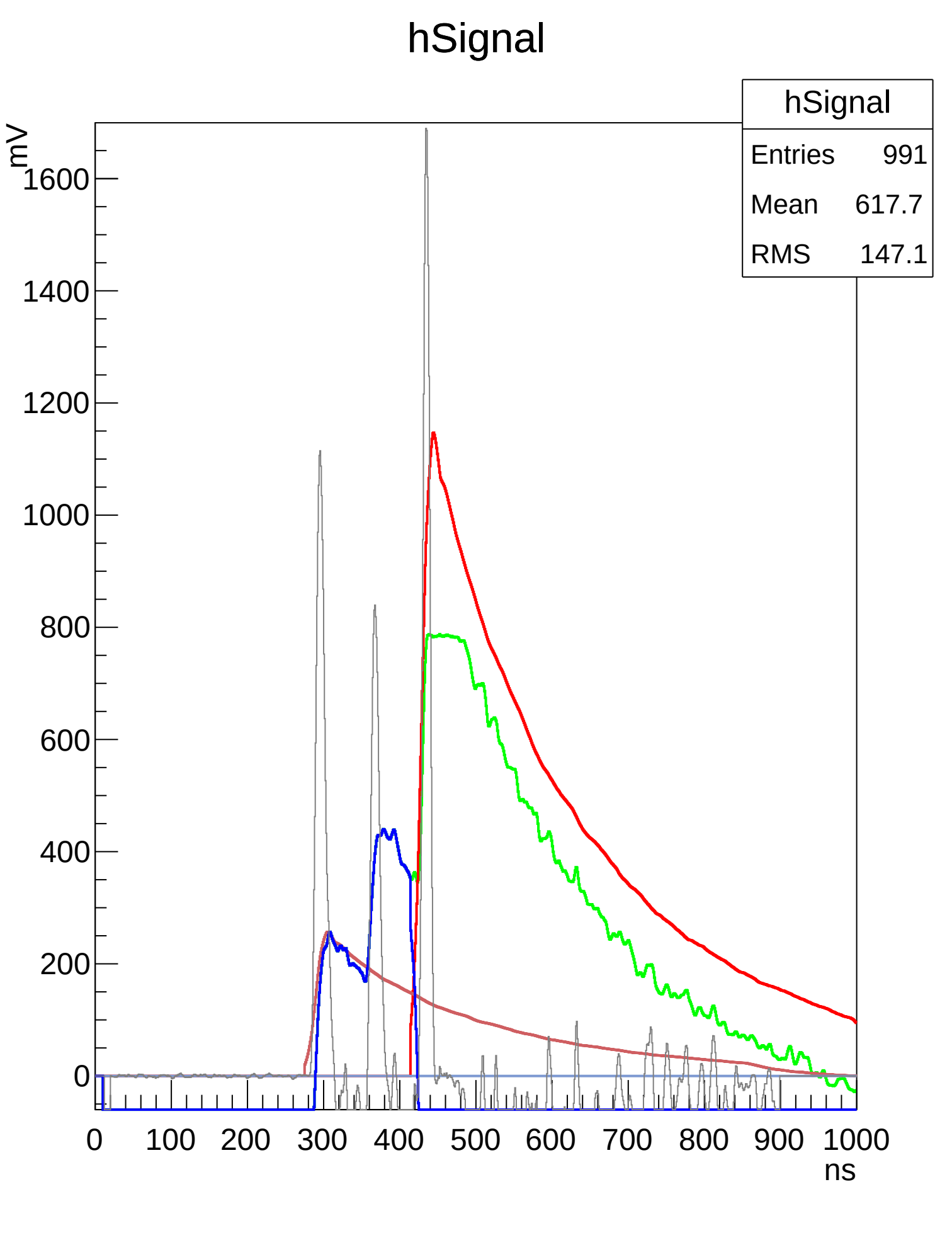

hSignal
hSignal
Entries 991
Mean 572.5
RMS 168.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

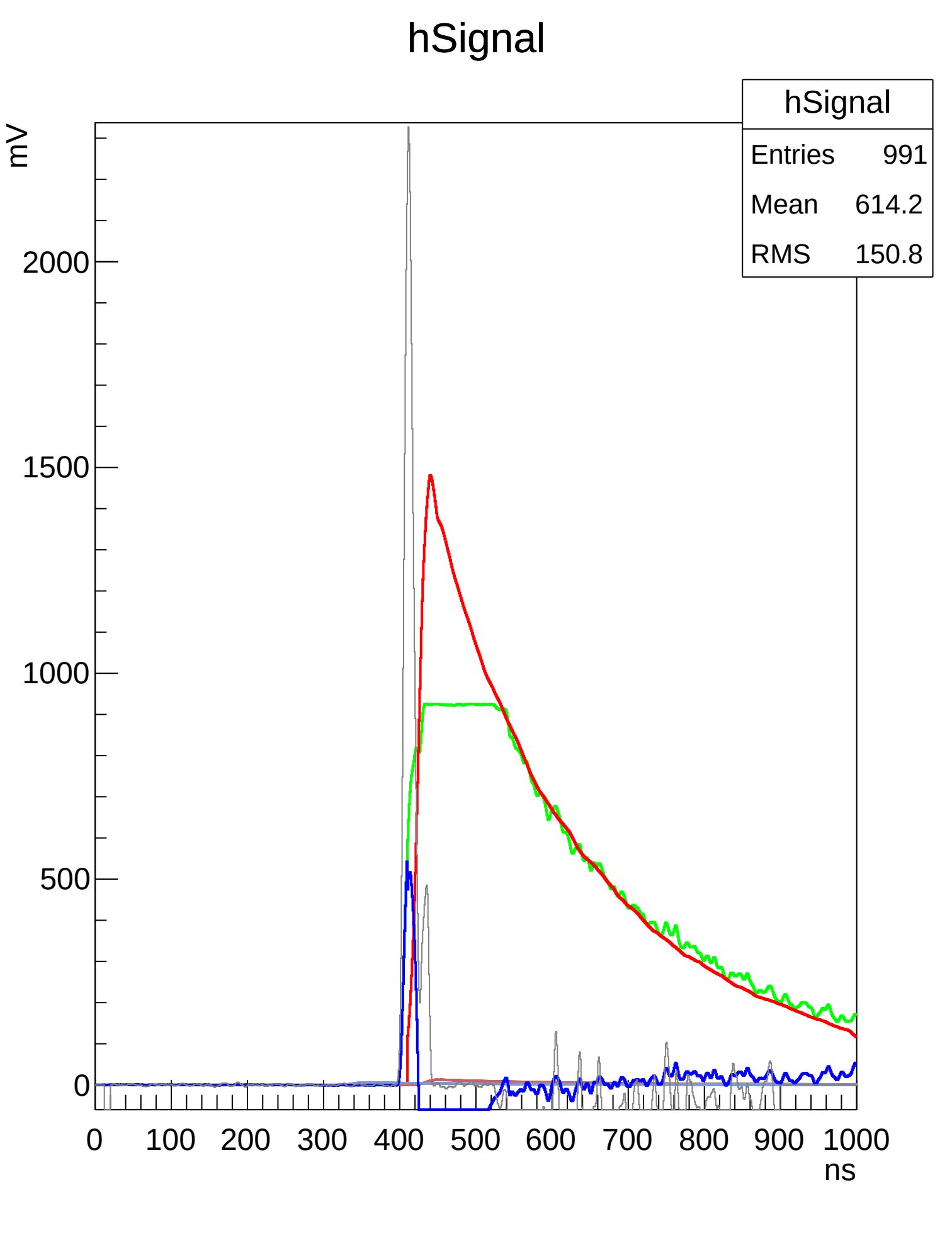

hSignal
hSignal
Entries 991
Mean 551.8
RMS 169.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

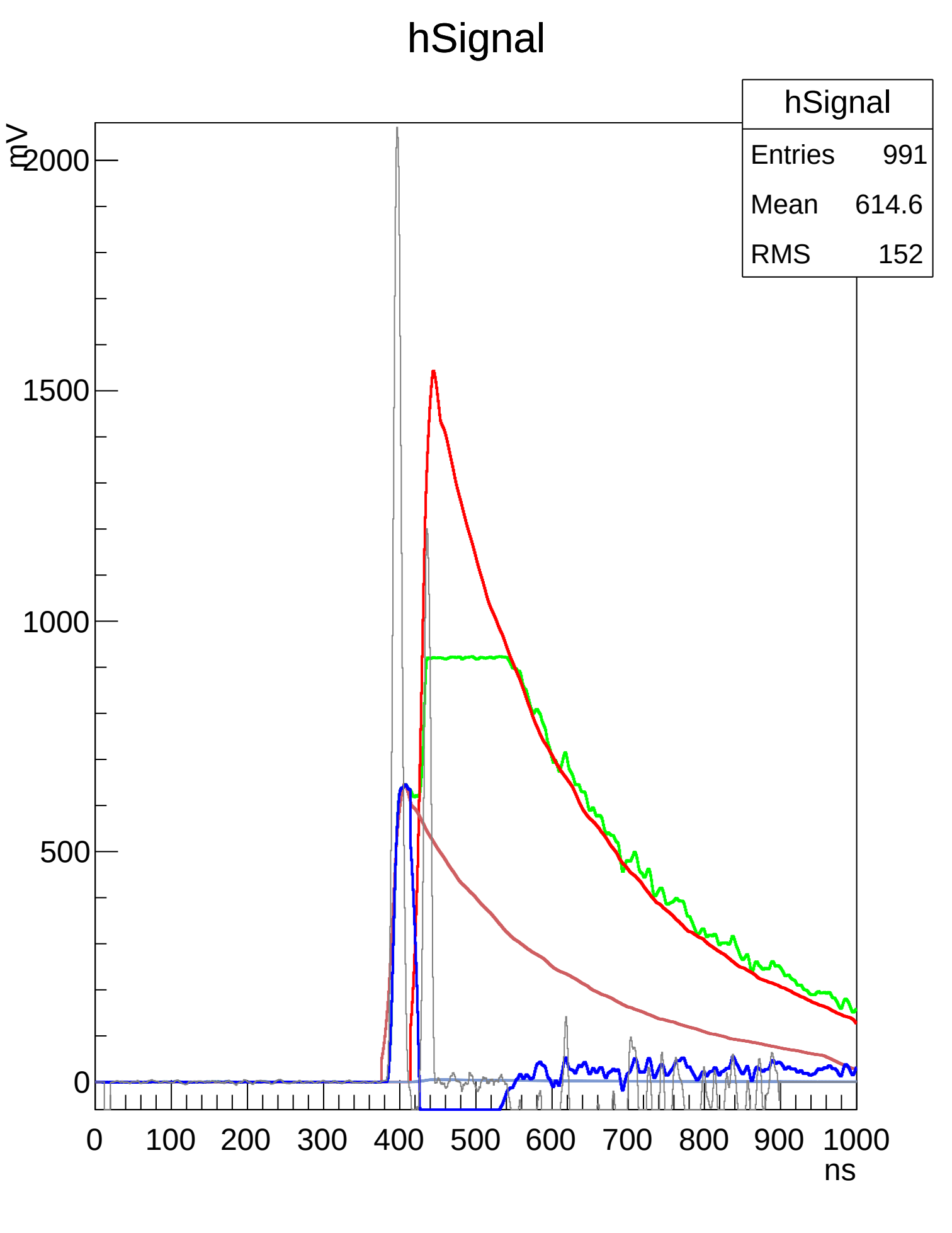

hSignal
hSignal
Entries 991
Mean 550.6
RMS 162.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

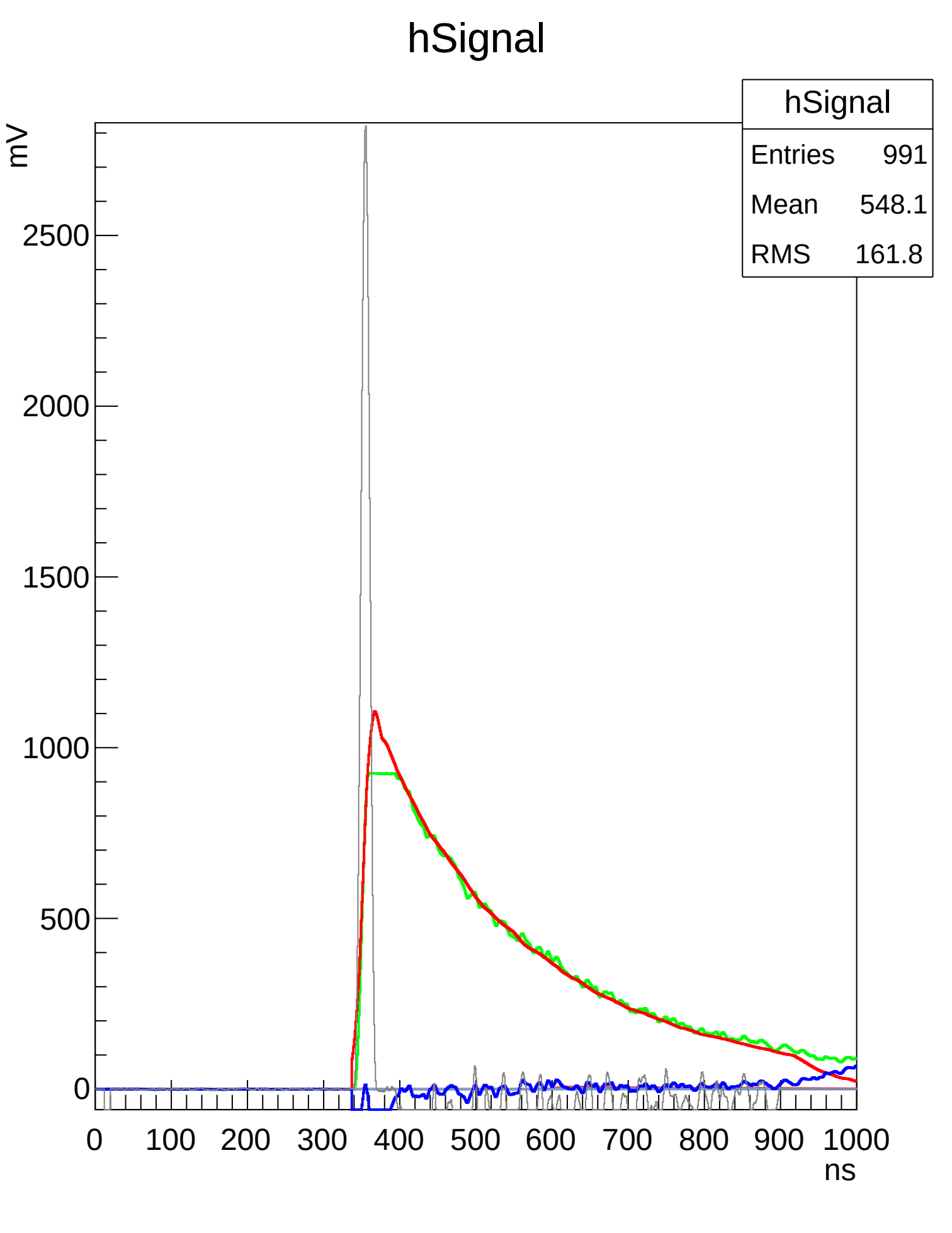

hSignal
hSignal
Entries 991
Mean 589.8
RMS 158
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

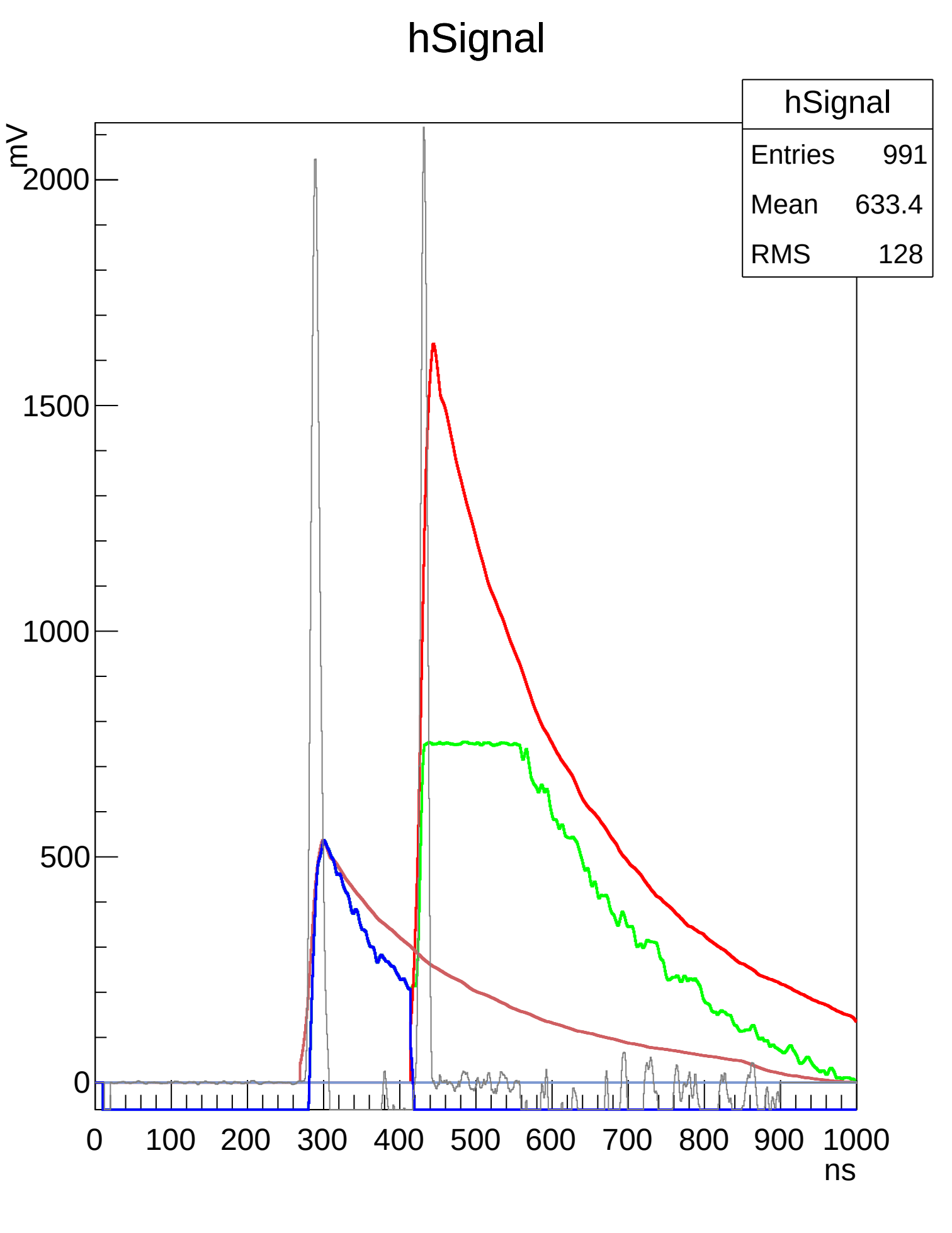

hSignal
hSignal
Entries 991
Mean 608.4
RMS 157.1
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

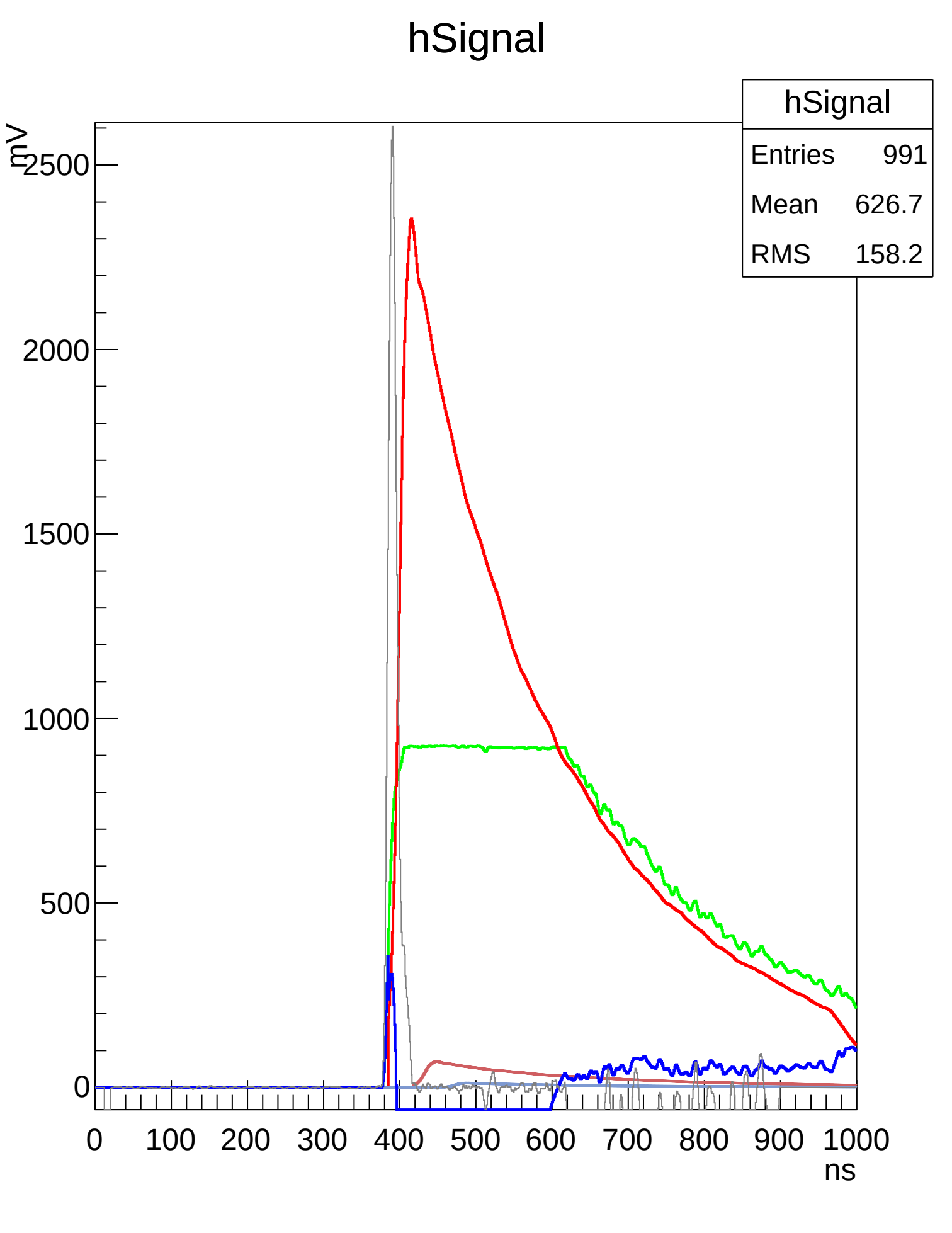

hSignal
hSignal
Entries 991
Mean 617.7
RMS 147.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

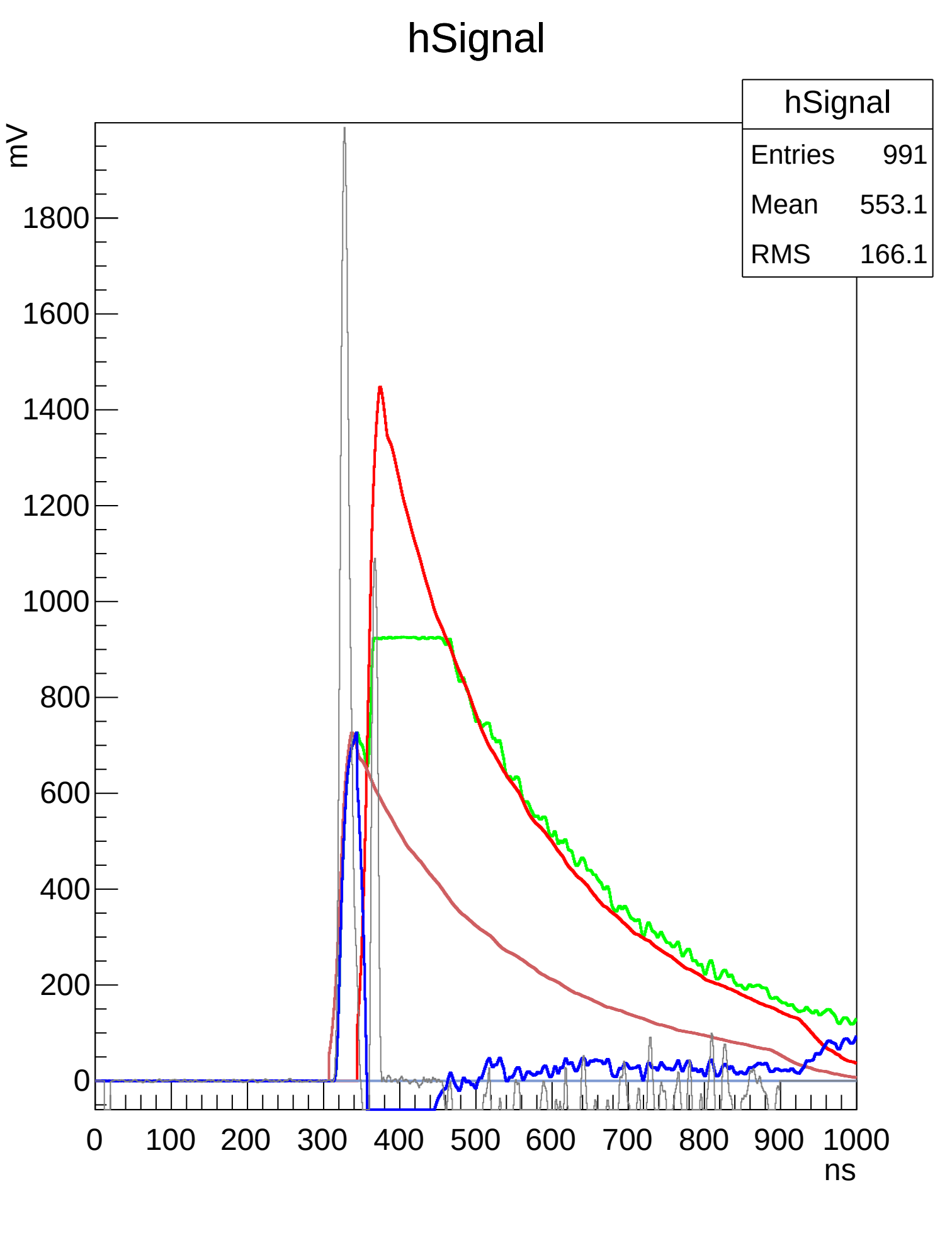

hSignal
hSignal
Entries 991
Mean 614.2
RMS 150.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

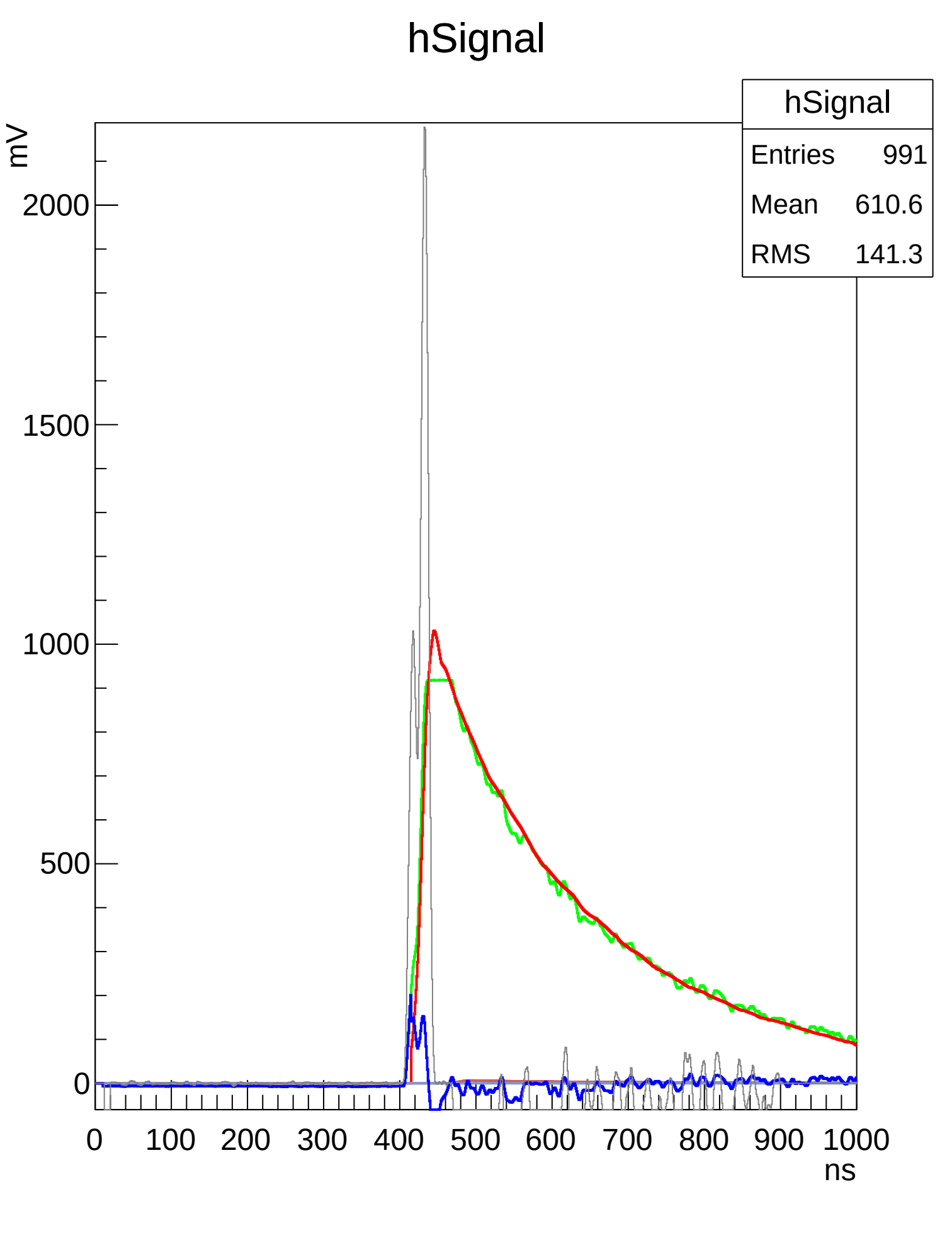

hSignal
hSignal
Entries 991
Mean 614.6
RMS 152
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

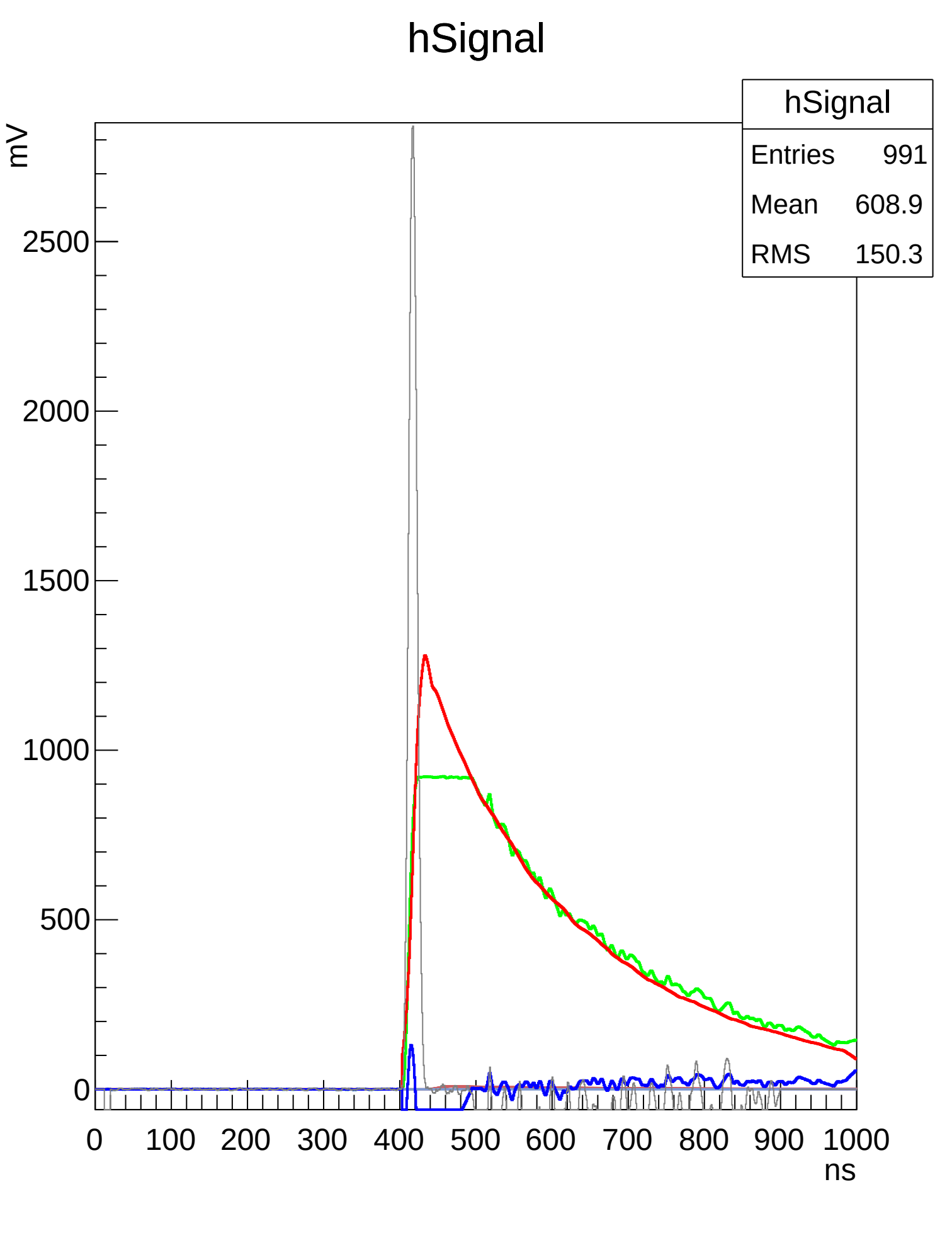

hSignal
hSignal
Entries 991
Mean 548.1
RMS 161.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

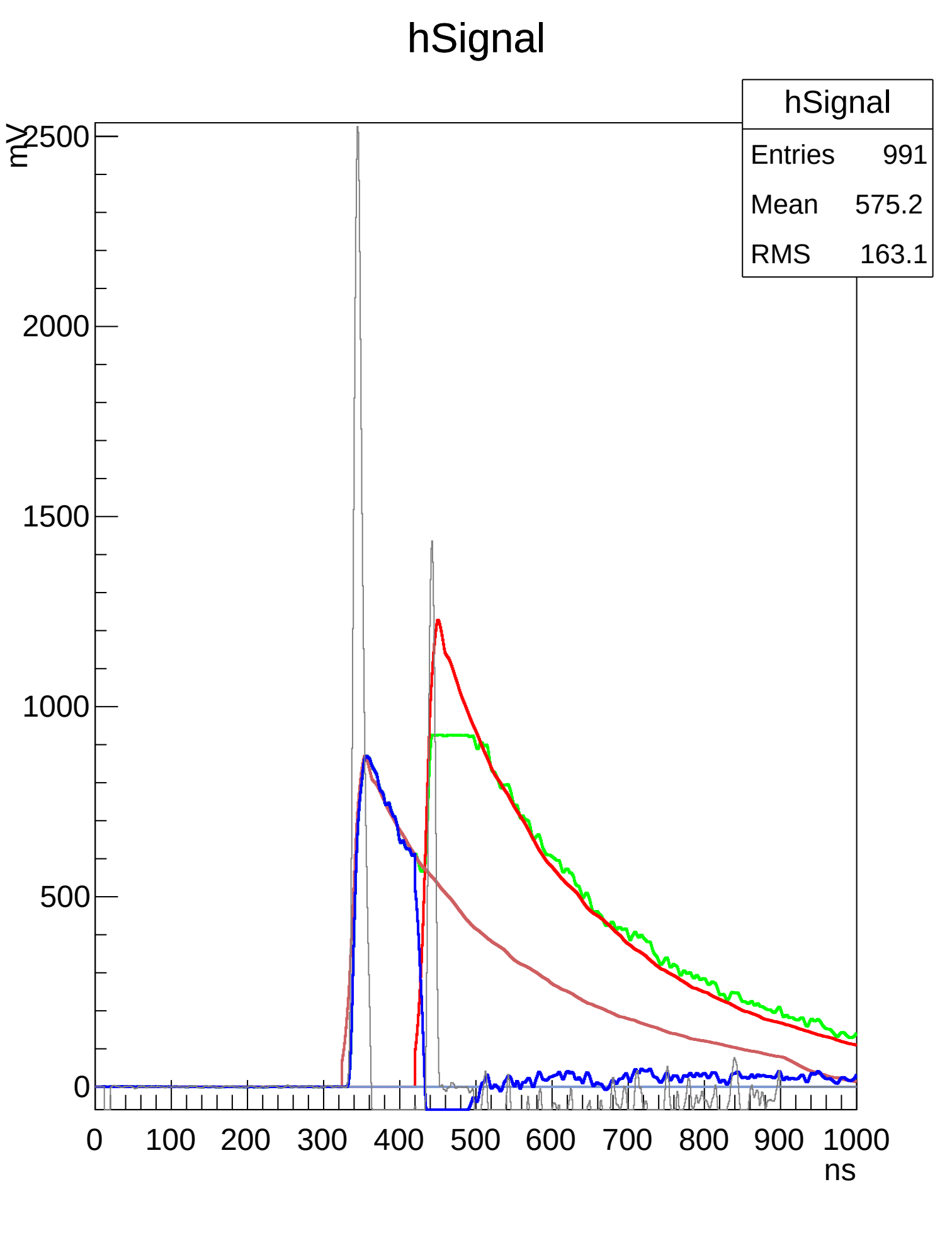

hSignal
hSignal
Entries 991
Mean 633.4
RMS 128
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

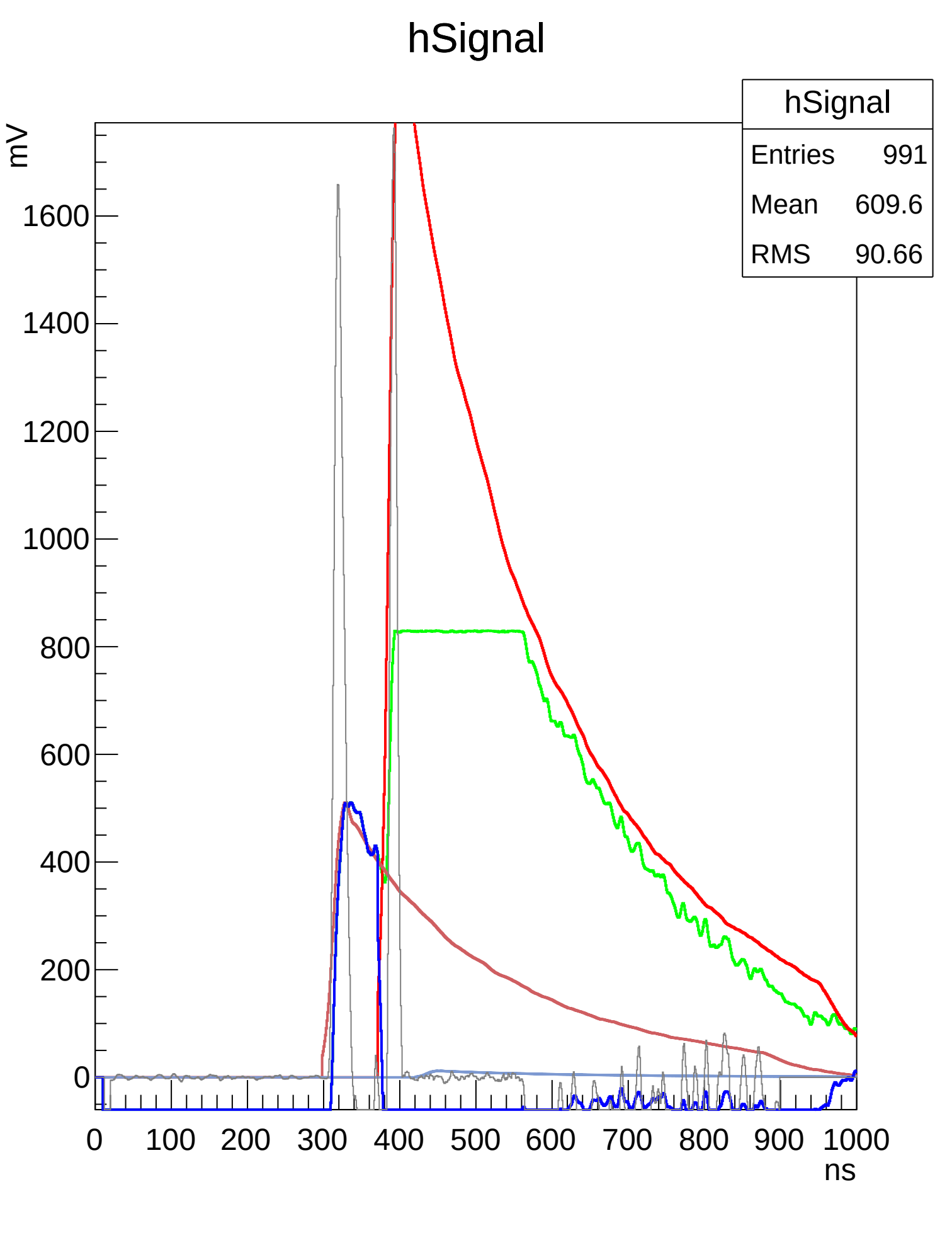

hSignal
hSignal
Entries 991
Mean 626.7
RMS 158.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

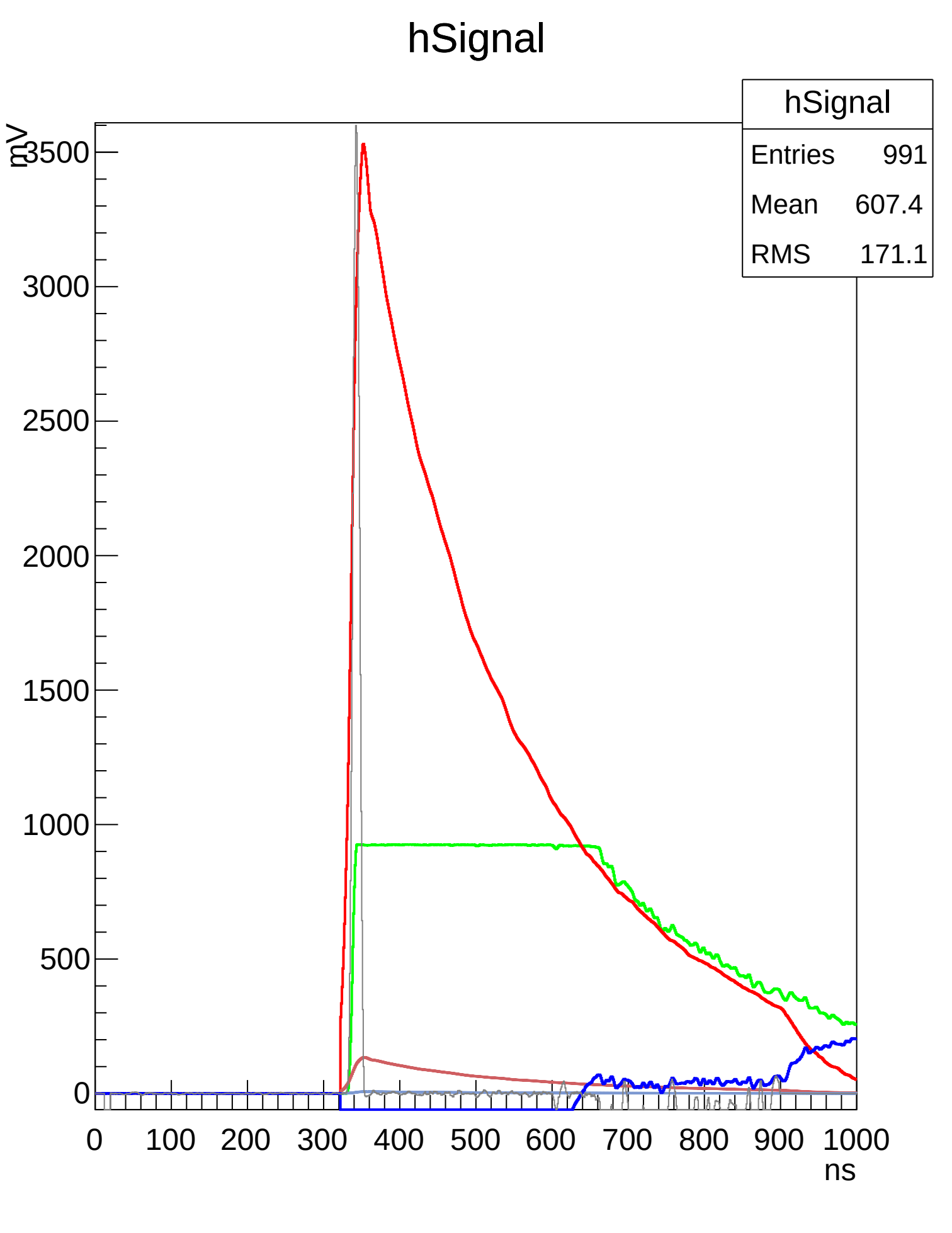

hSignal
hSignal
Entries 991
Mean 553.1
RMS 166.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

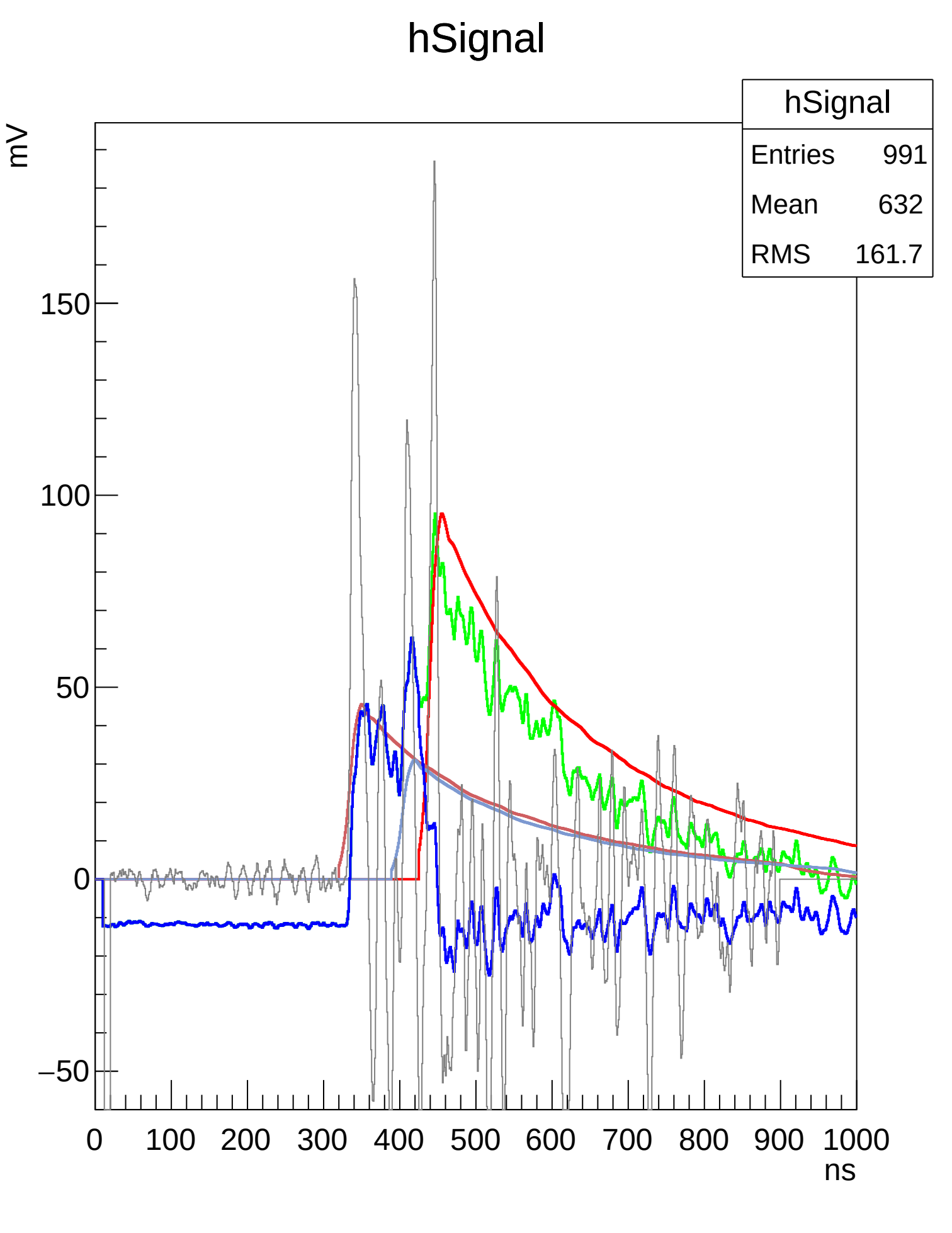

hSignal
hSignal
Entries 991
Mean 610.6
RMS 141.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

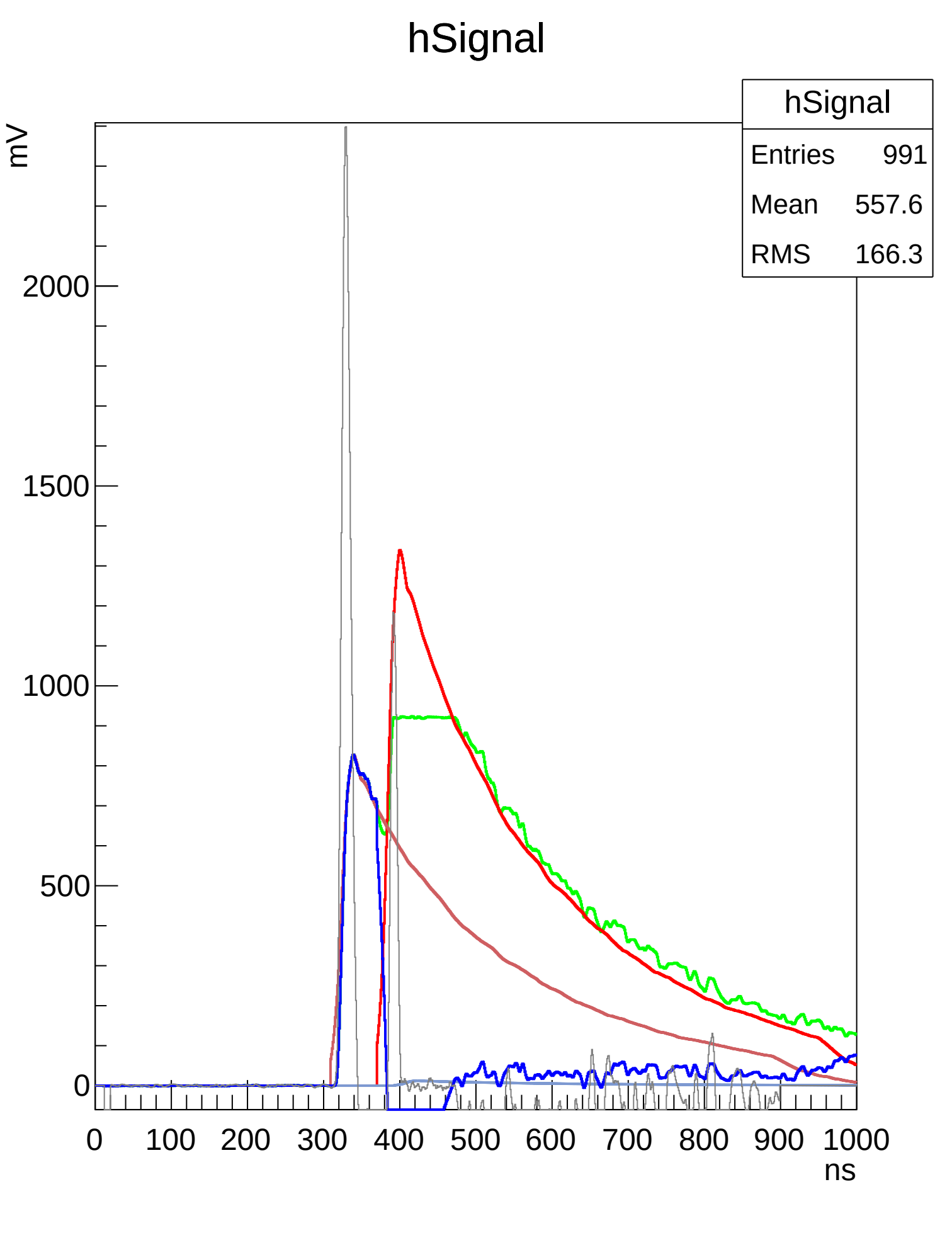

hSignal
hSignal
Entries 991
Mean 608.9
RMS 150.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

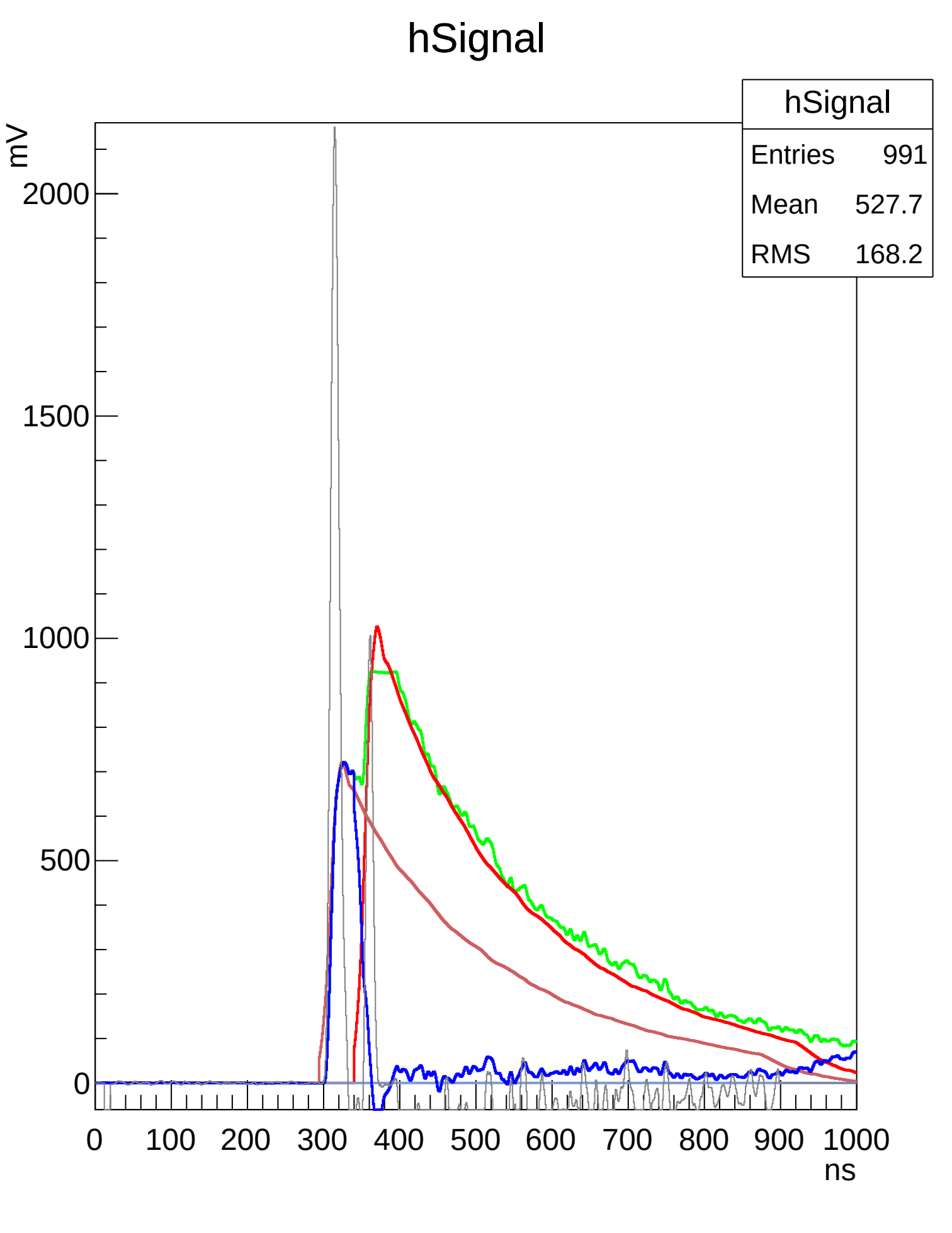

hSignal
hSignal
Entries 991
Mean 575.2
RMS 163.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

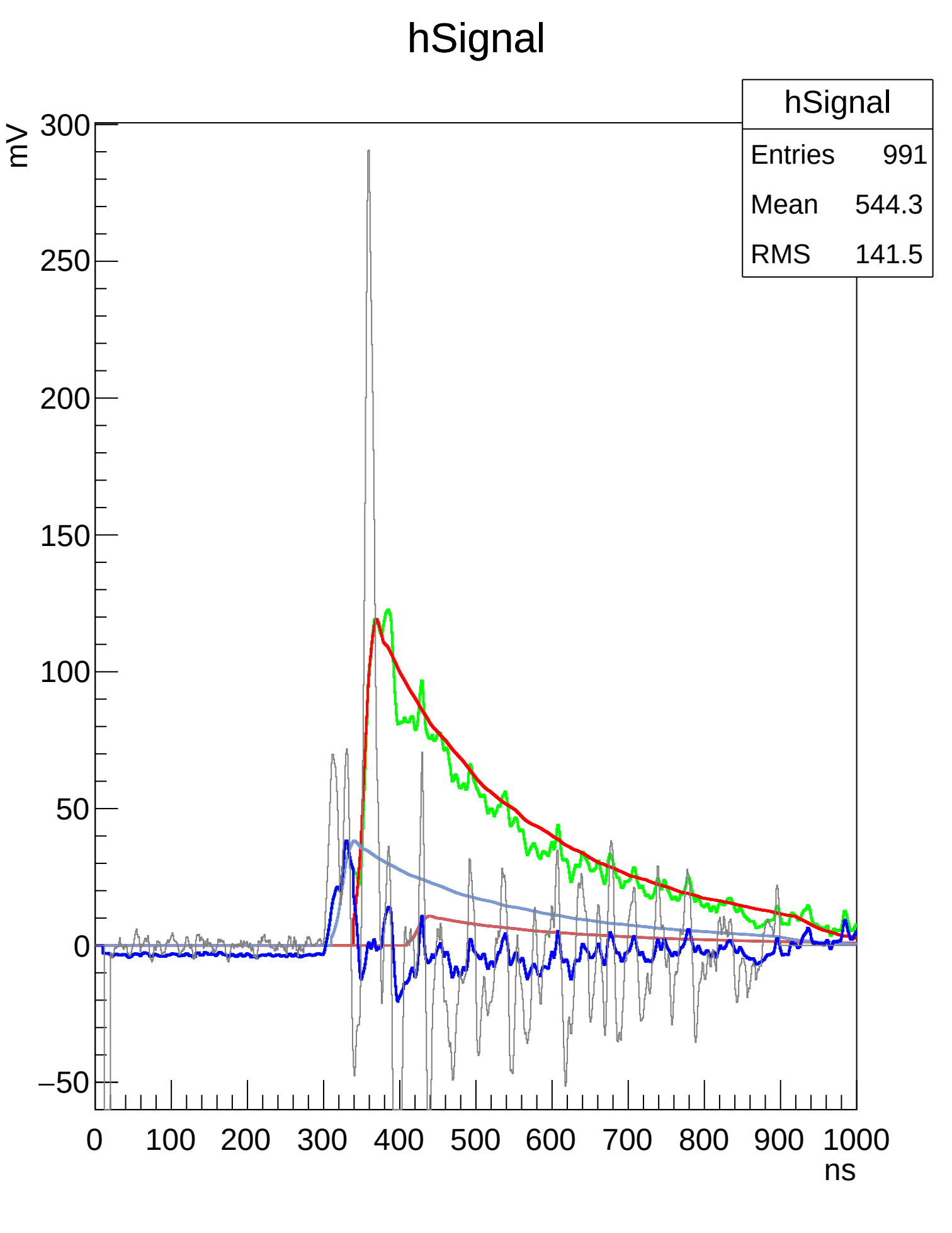

hSignal
hSignal
Entries 991
Mean 609.6
RMS 90.66
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

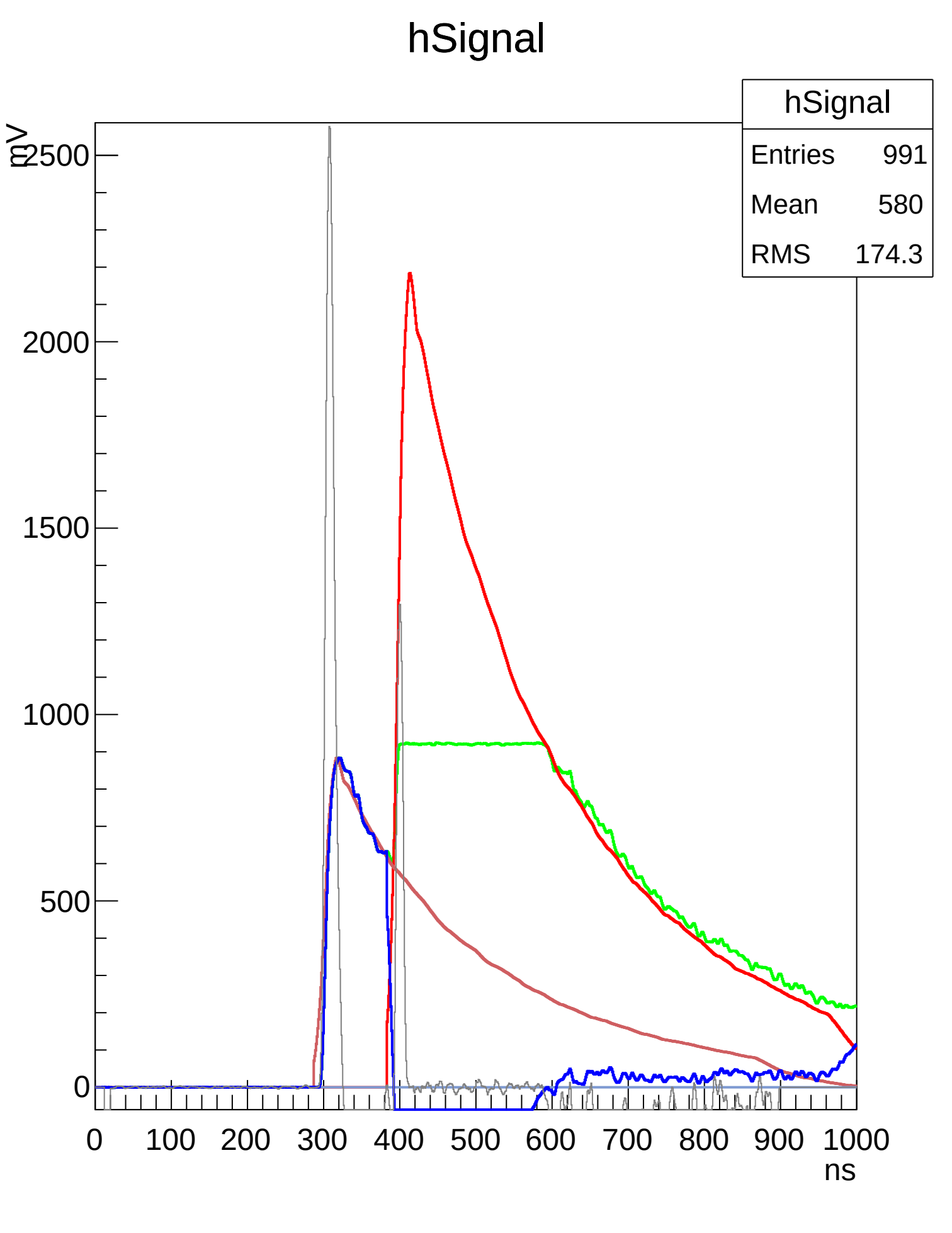

hSignal
hSignal
Entries 991
Mean 607.4
RMS 171.1
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

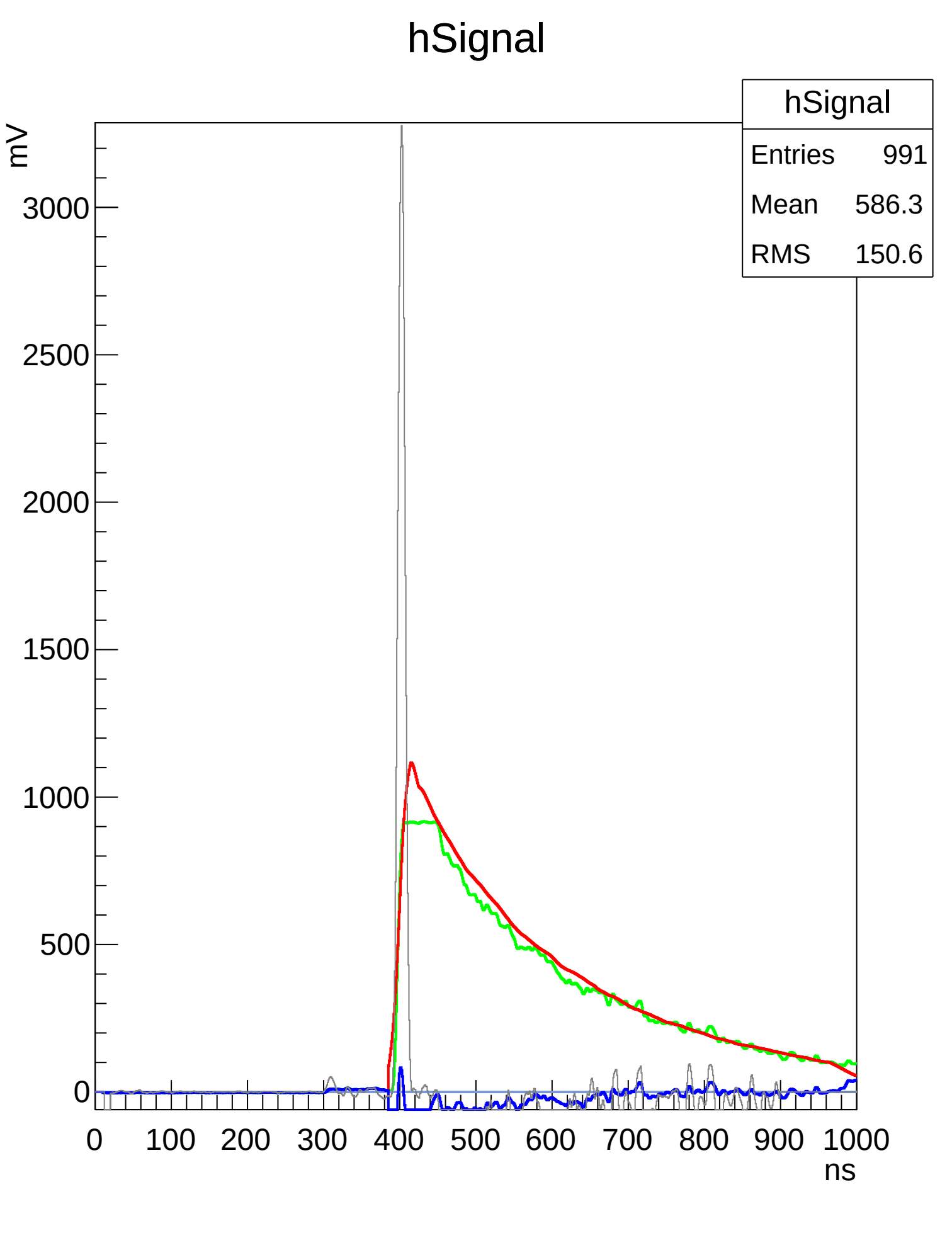

hSignal
hSignal
Entries 991
Mean 632
RMS 161.7
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

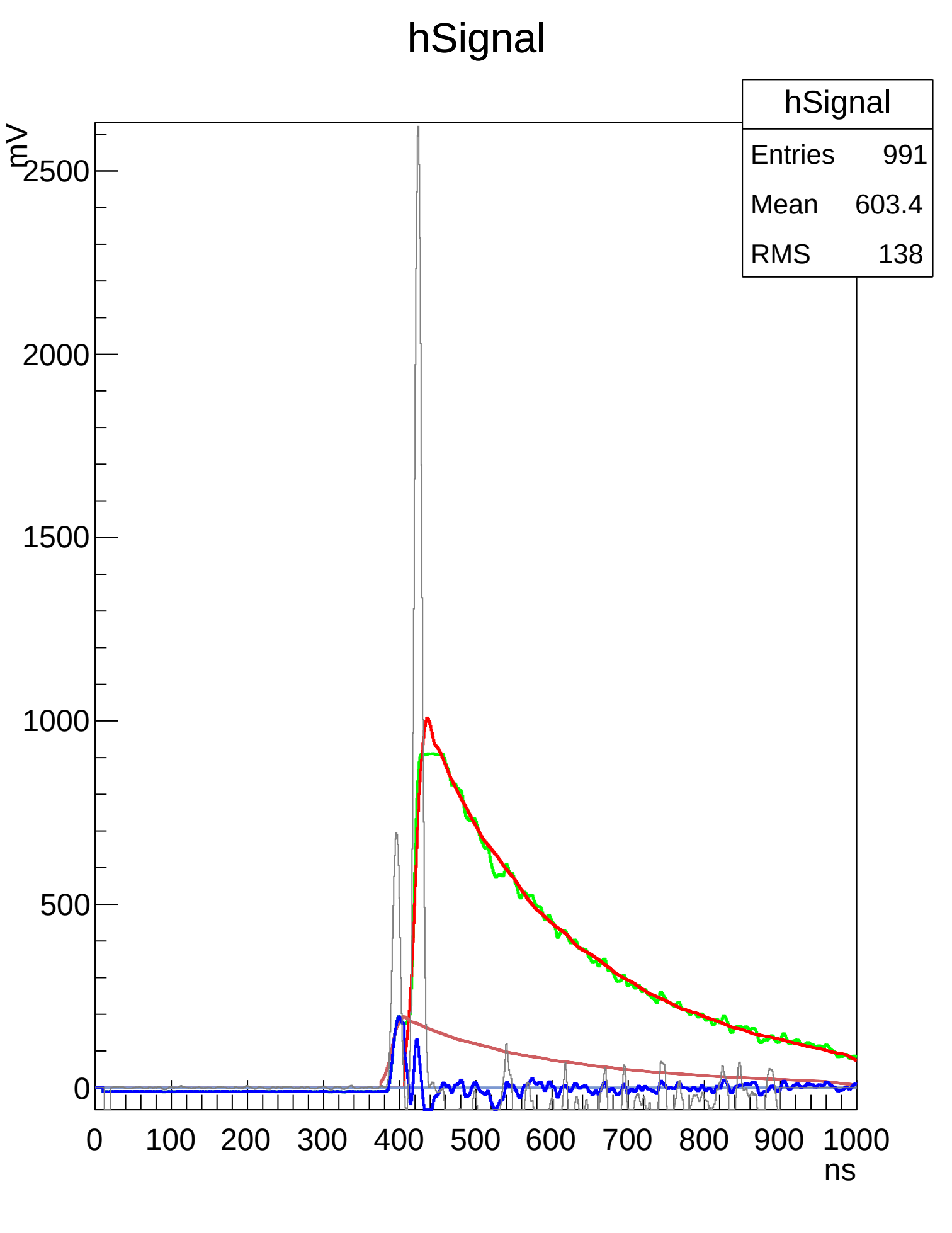

hSignal
hSignal
Entries 991
Mean 557.6
RMS 166.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

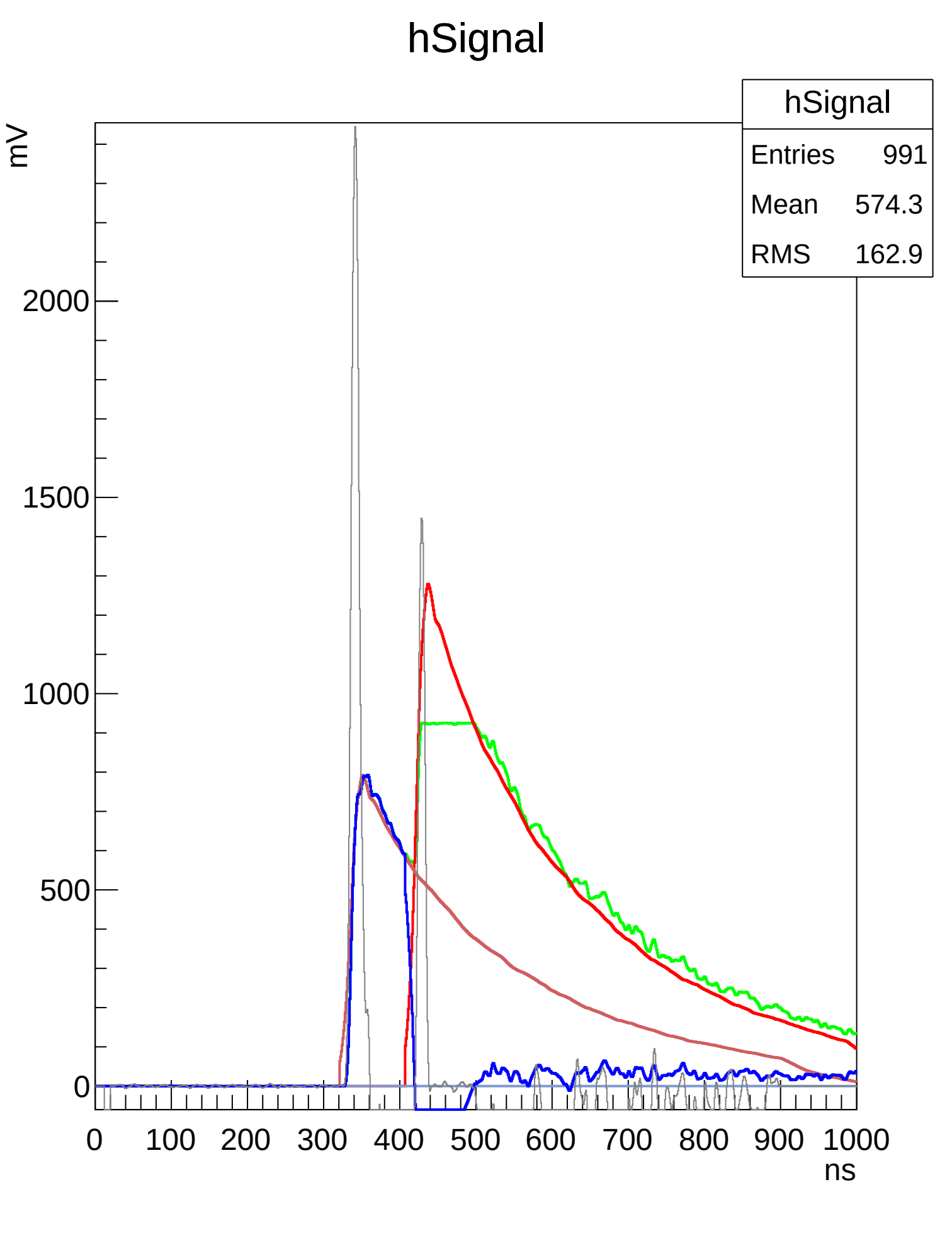

hSignal
hSignal
Entries 991
Mean 527.7
RMS 168.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

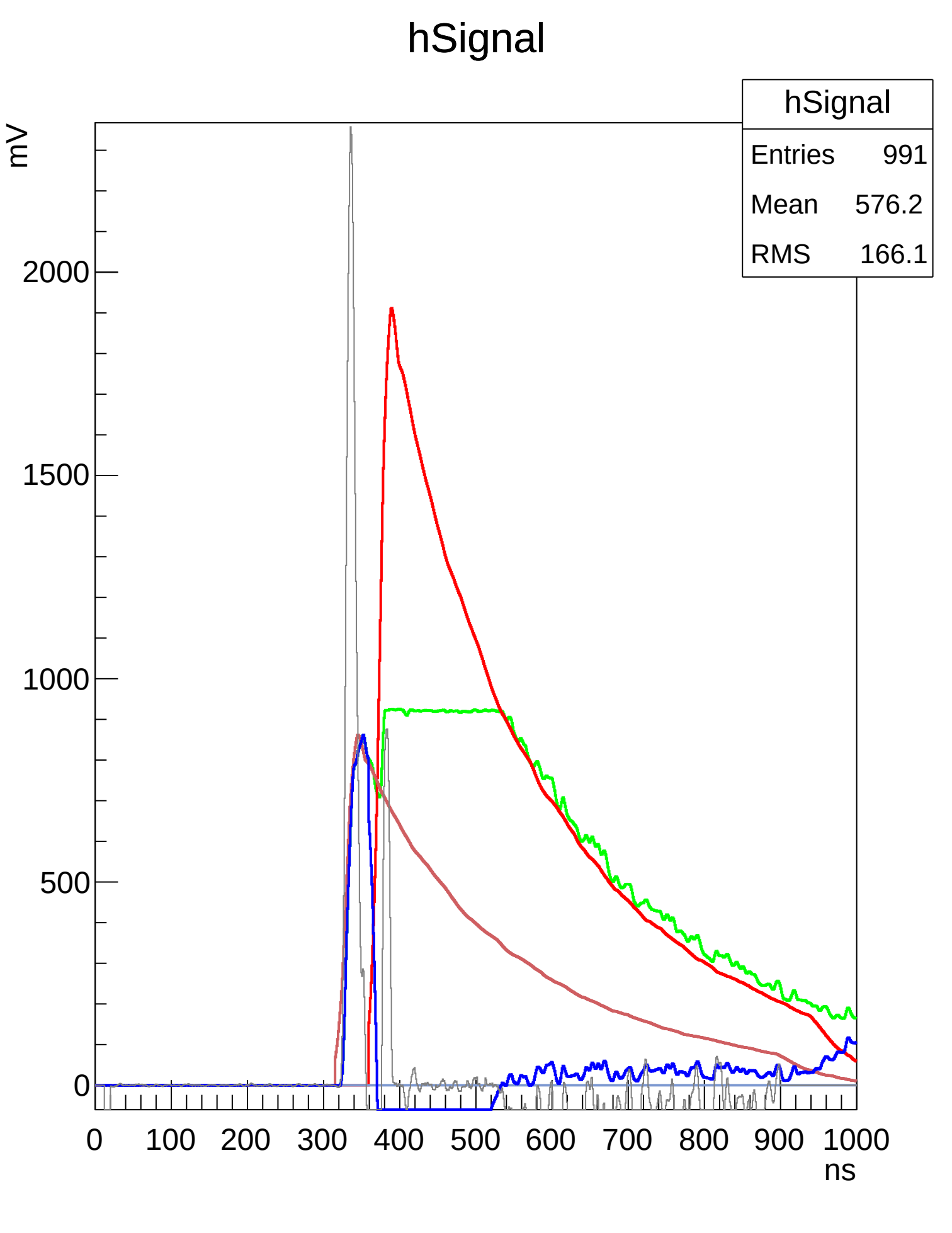

hSignal
hSignal
Entries 991
Mean 544.3
RMS 141.5
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

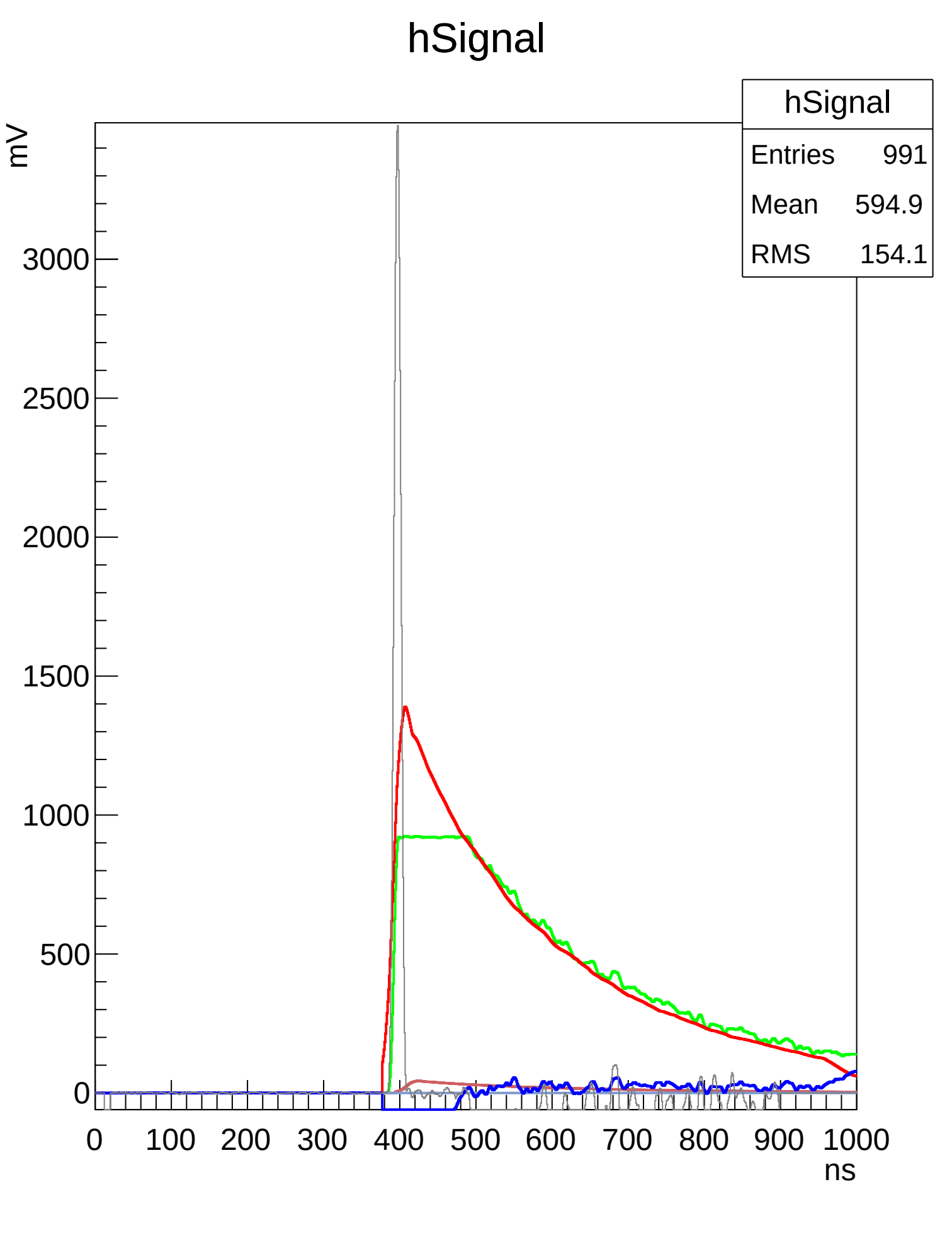

hSignal
hSignal
Entries 991
Mean 580
RMS 174.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

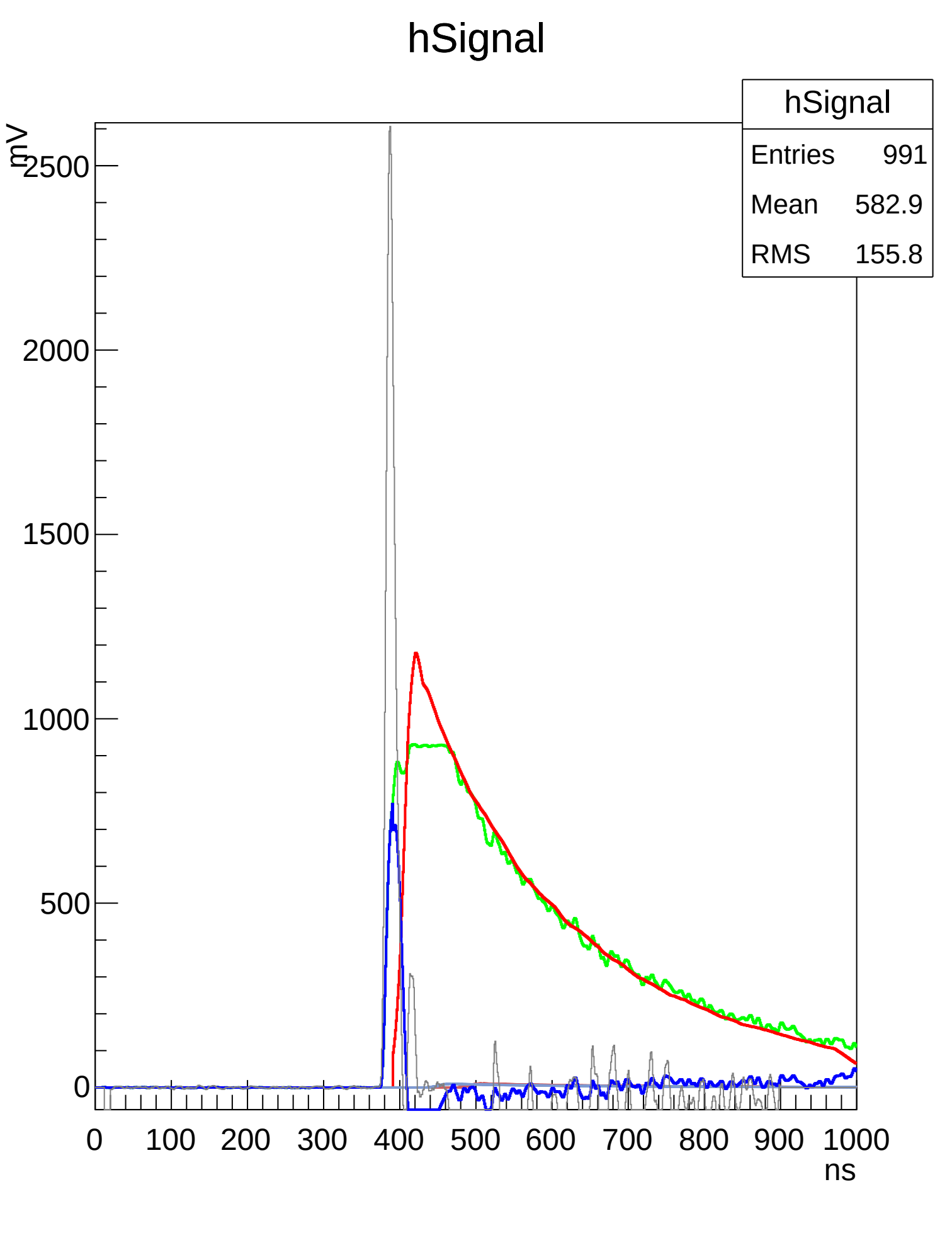

hSignal
hSignal
Entries 991
Mean 586.3
RMS 150.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

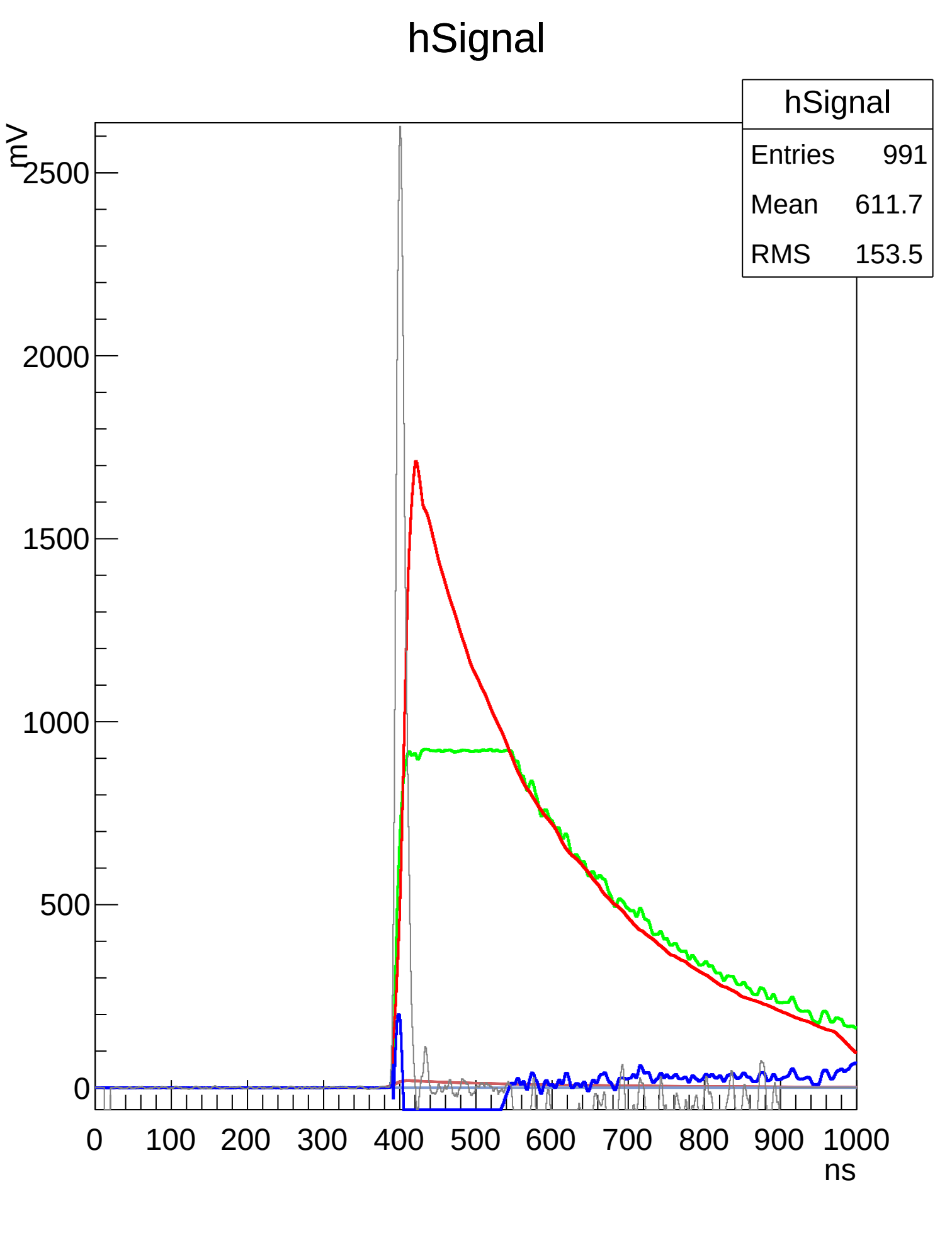

hSignal
hSignal
Entries 991
Mean 603.4
RMS 138
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

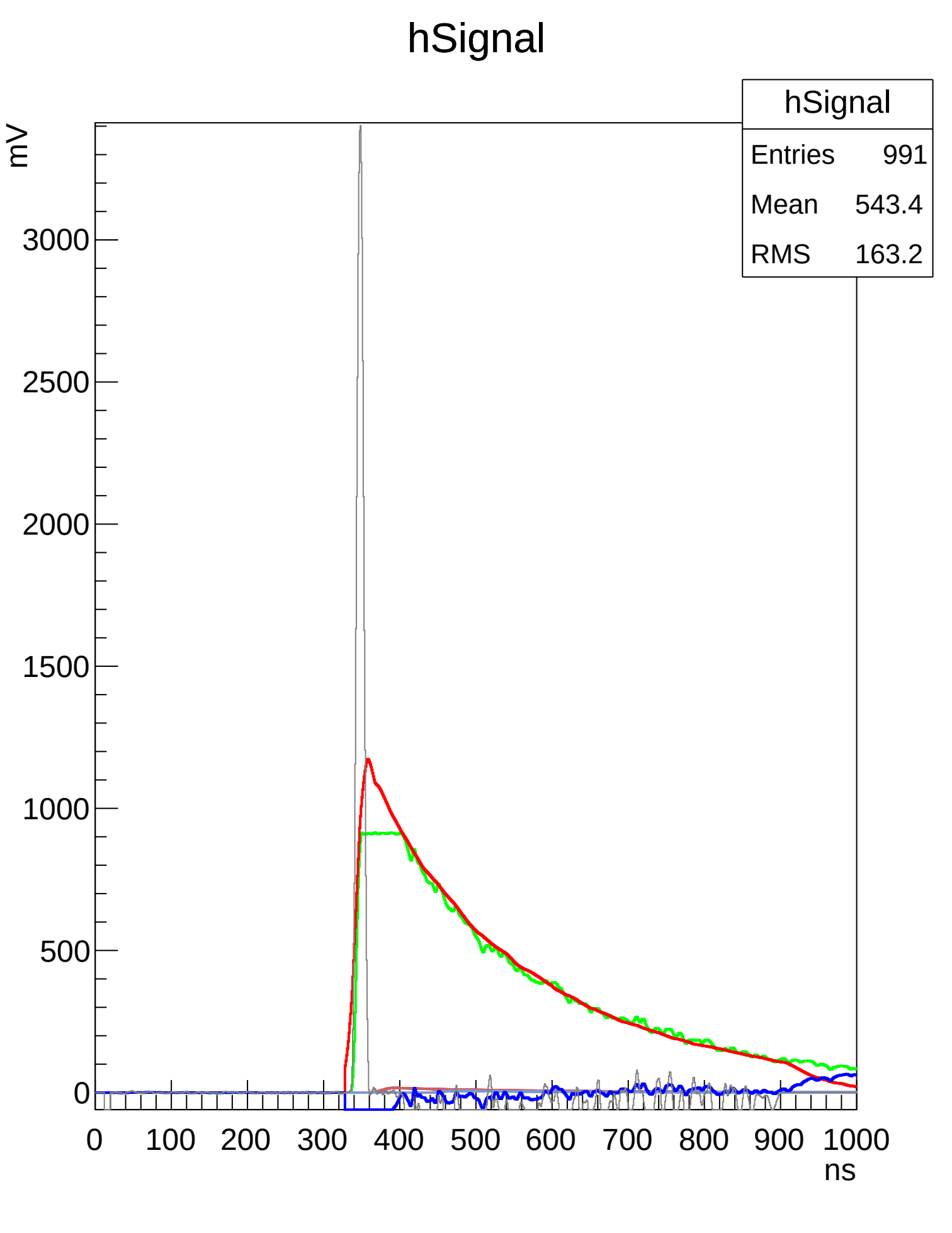

hSignal
hSignal
Entries 991
Mean 574.3
RMS 162.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

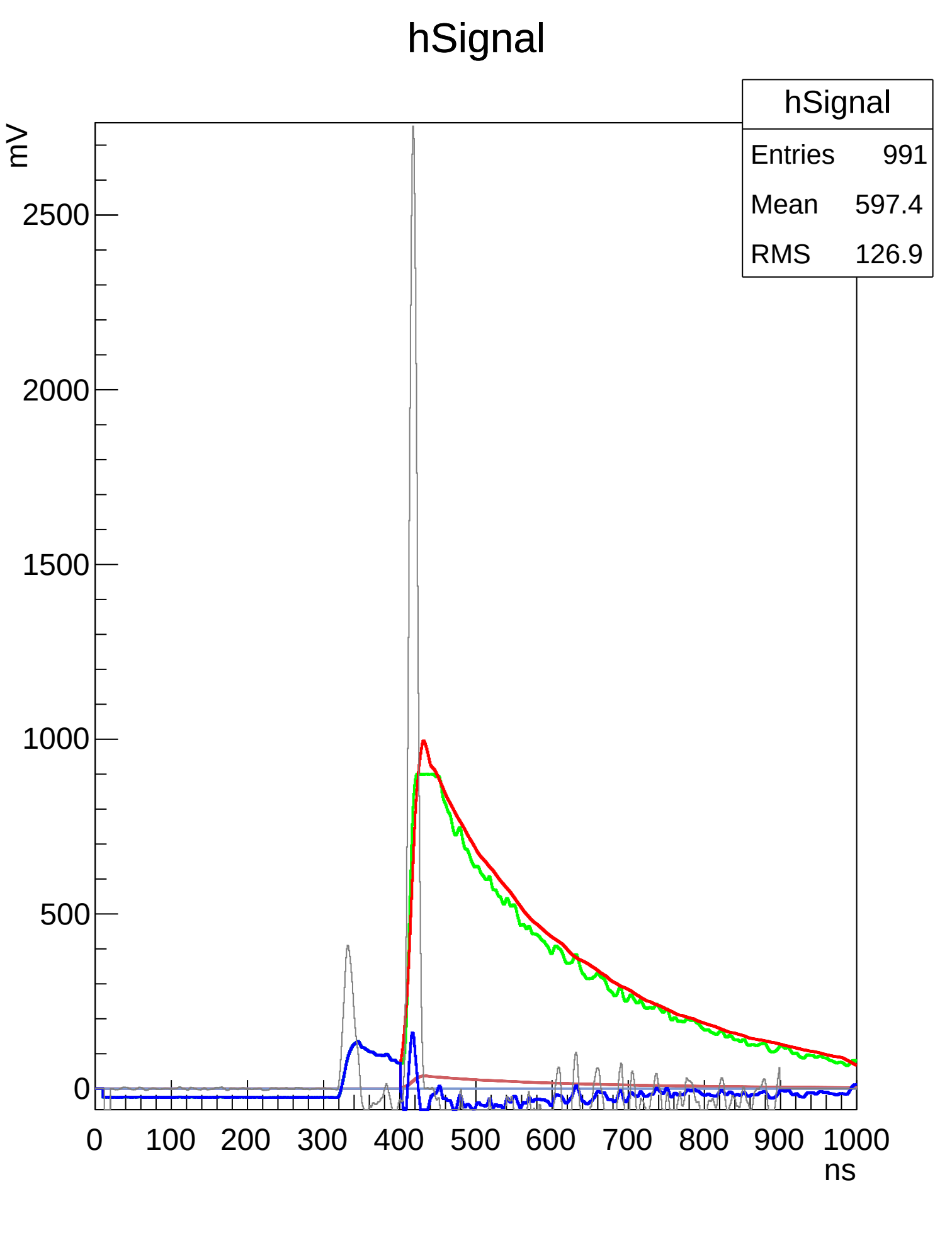

hSignal
hSignal
Entries 991
Mean 576.2
RMS 166.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

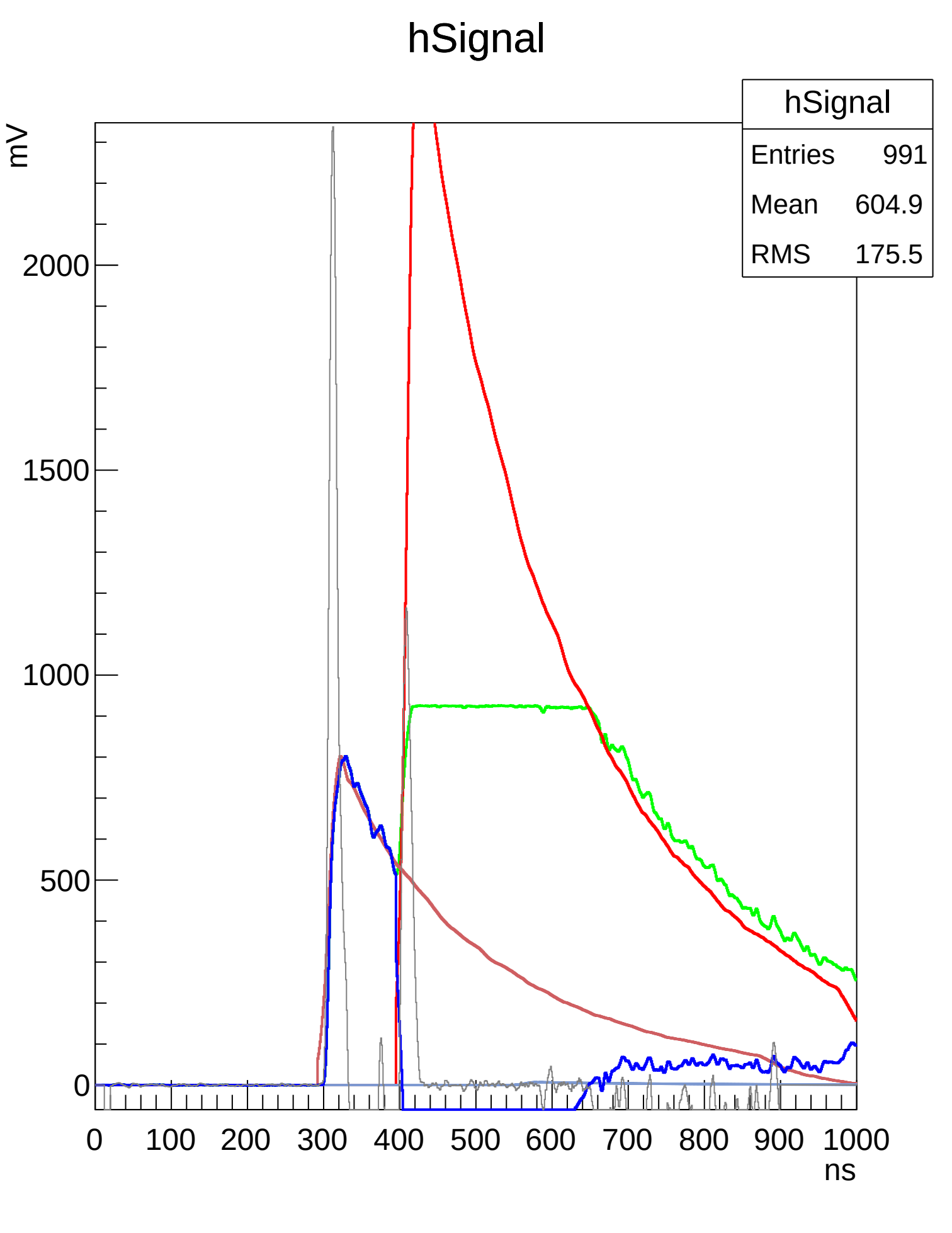

hSignal
hSignal
Entries 991
Mean 594.9
RMS 154.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

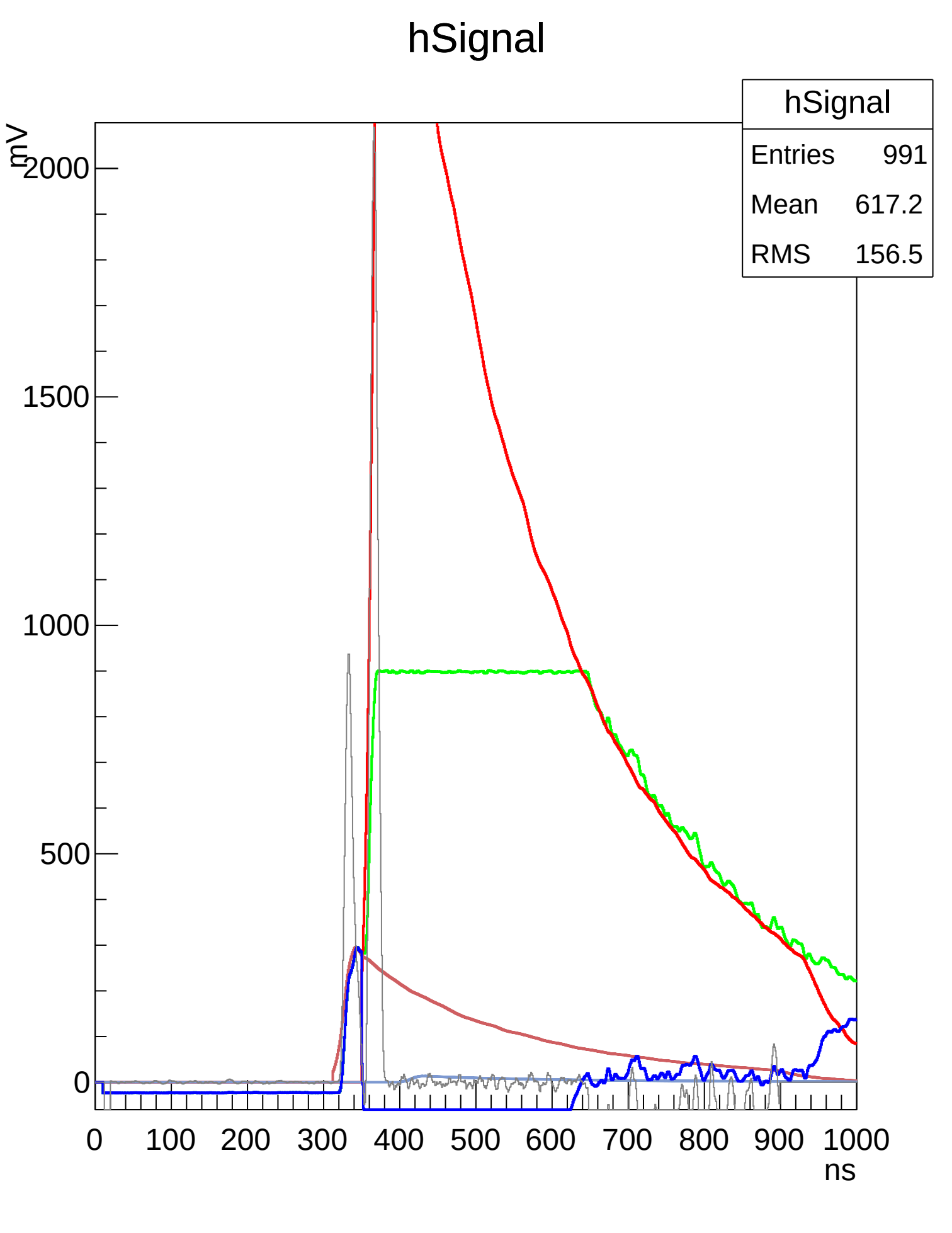

hSignal
hSignal
Entries 991
Mean 582.9
RMS 155.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

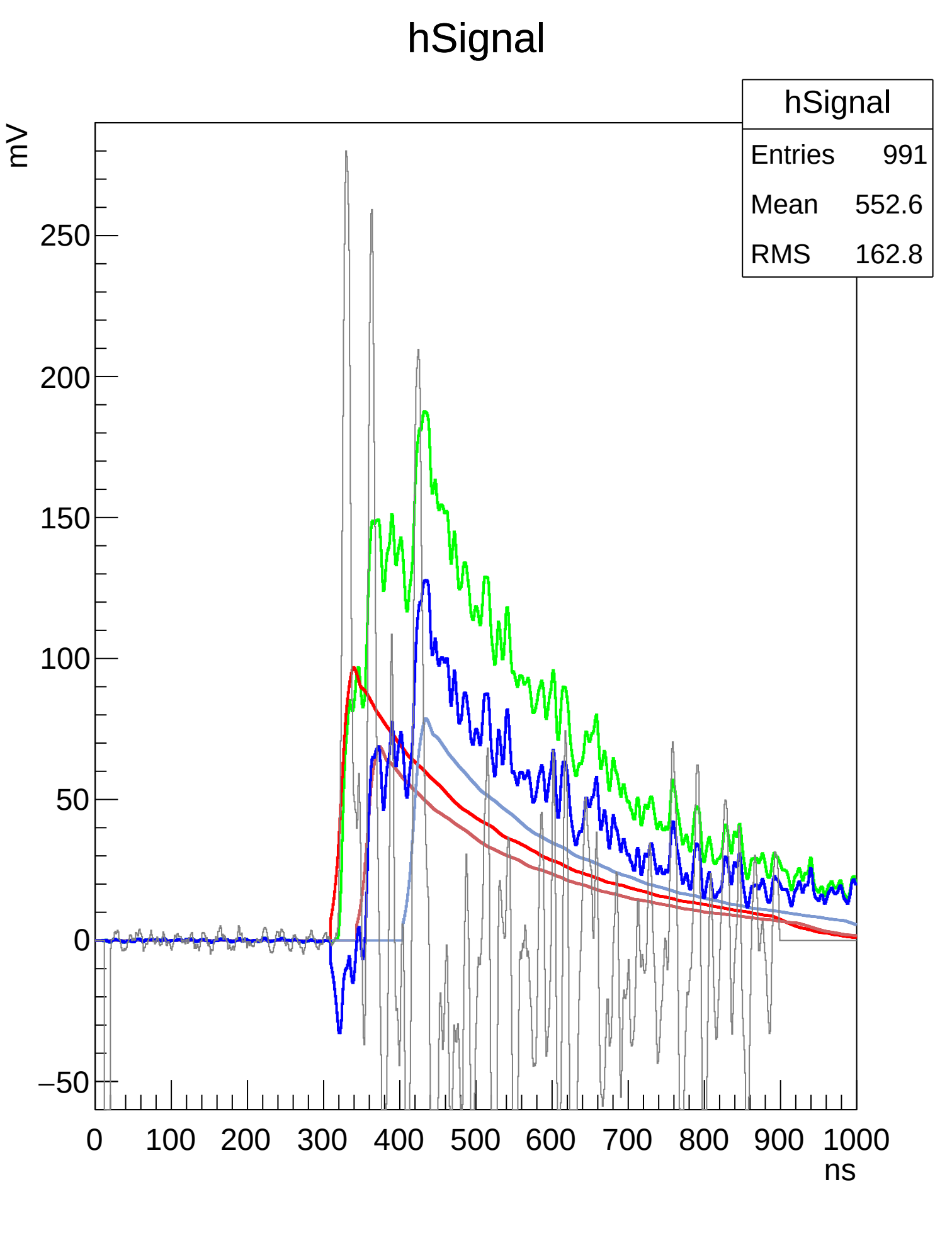

hSignal
hSignal
Entries 991
Mean 611.7
RMS 153.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

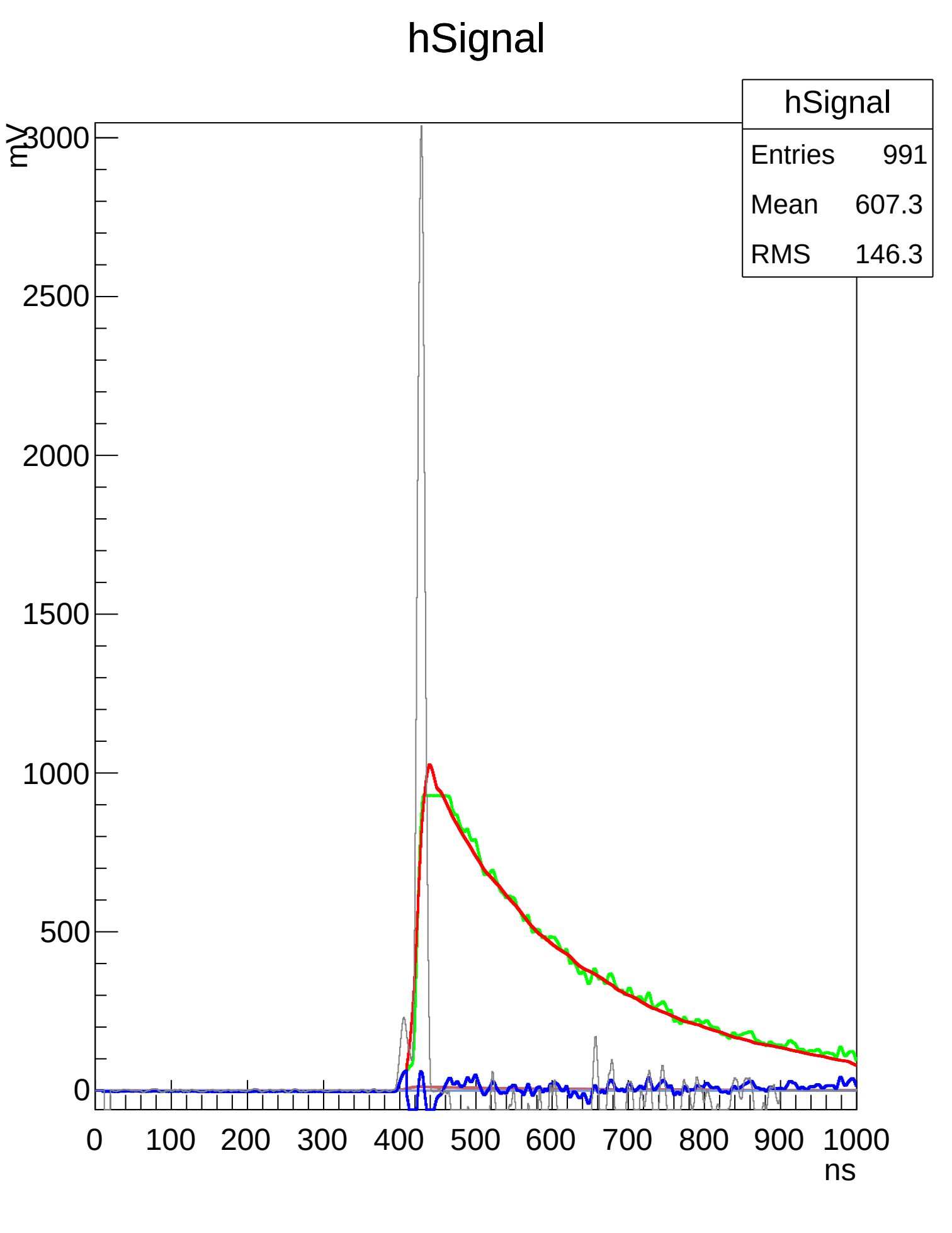

hSignal
hSignal
Entries 991
Mean 543.4
RMS 163.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

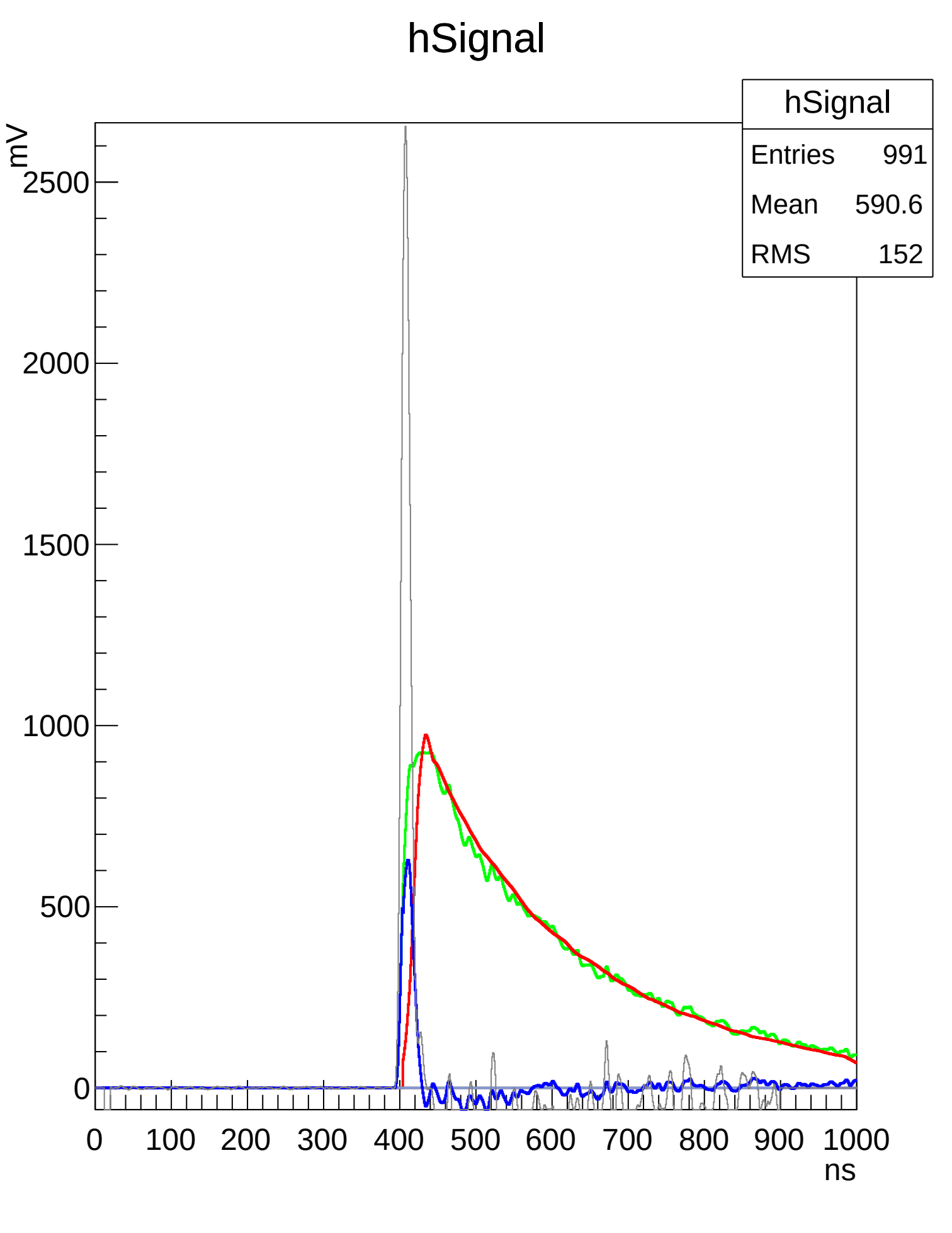

hSignal
hSignal
Entries 991
Mean 597.4
RMS 126.9
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

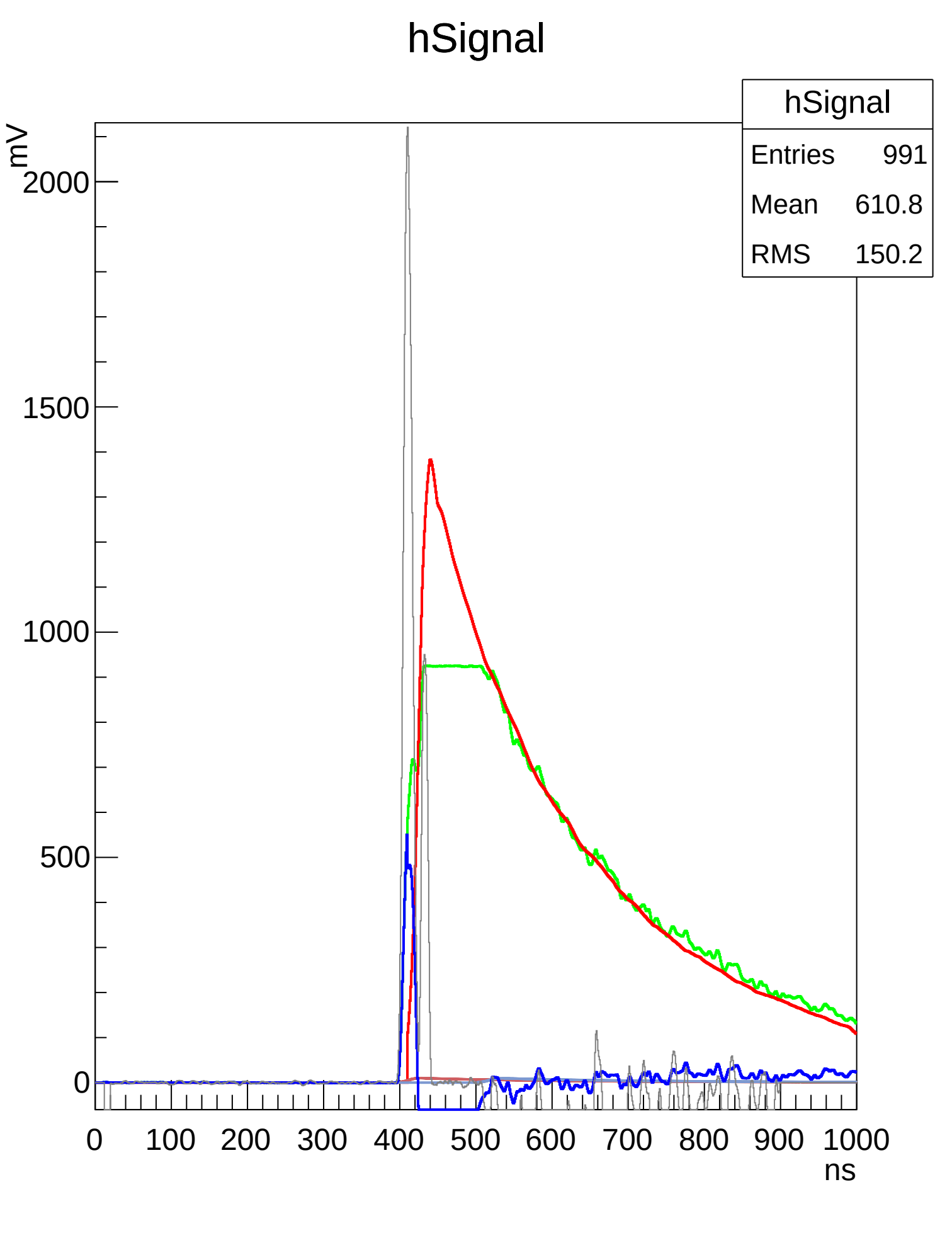

hSignal
hSignal
Entries 991
Mean 604.9
RMS 175.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

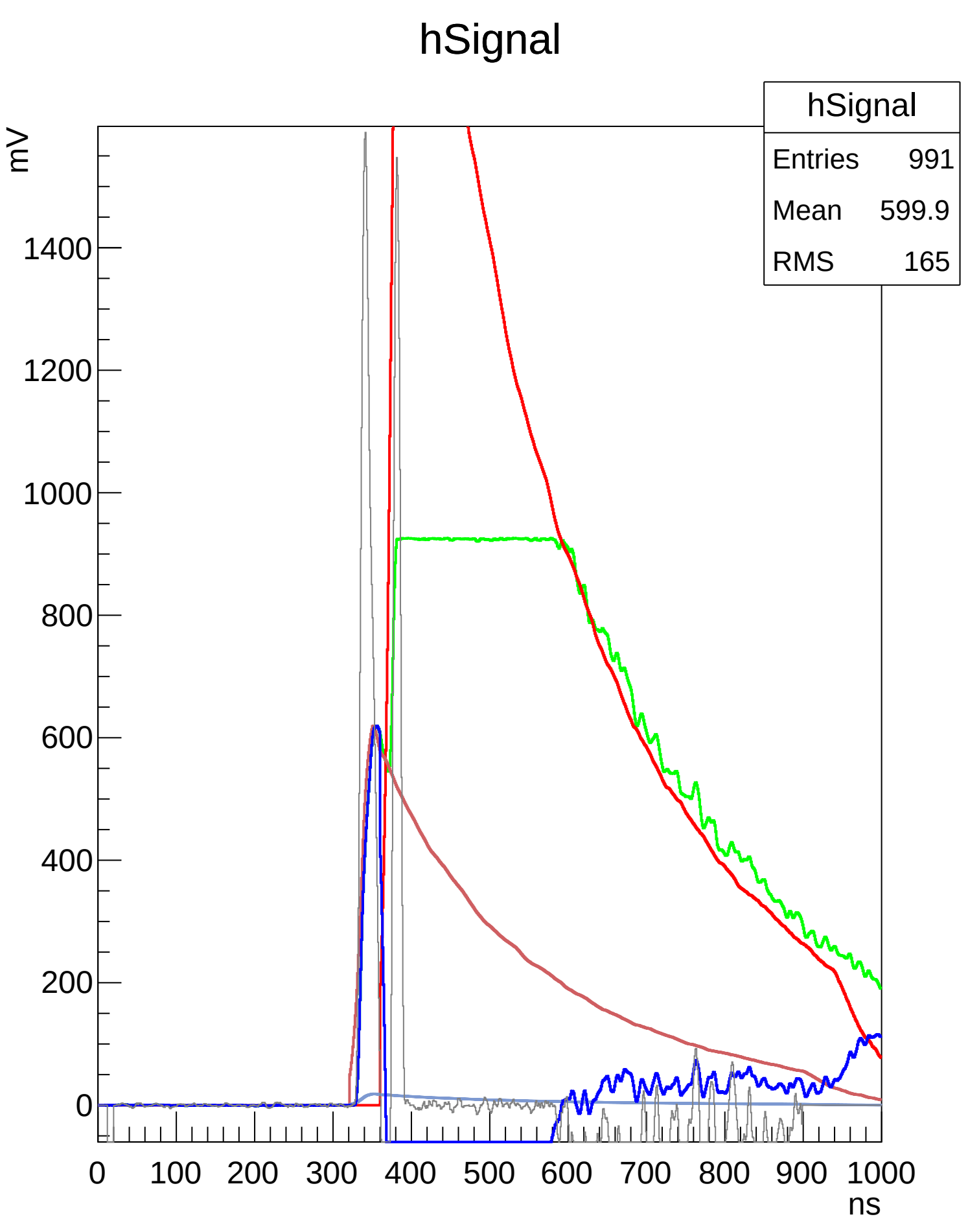

hSignal
hSignal
Entries 991
Mean 617.2
RMS 156.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

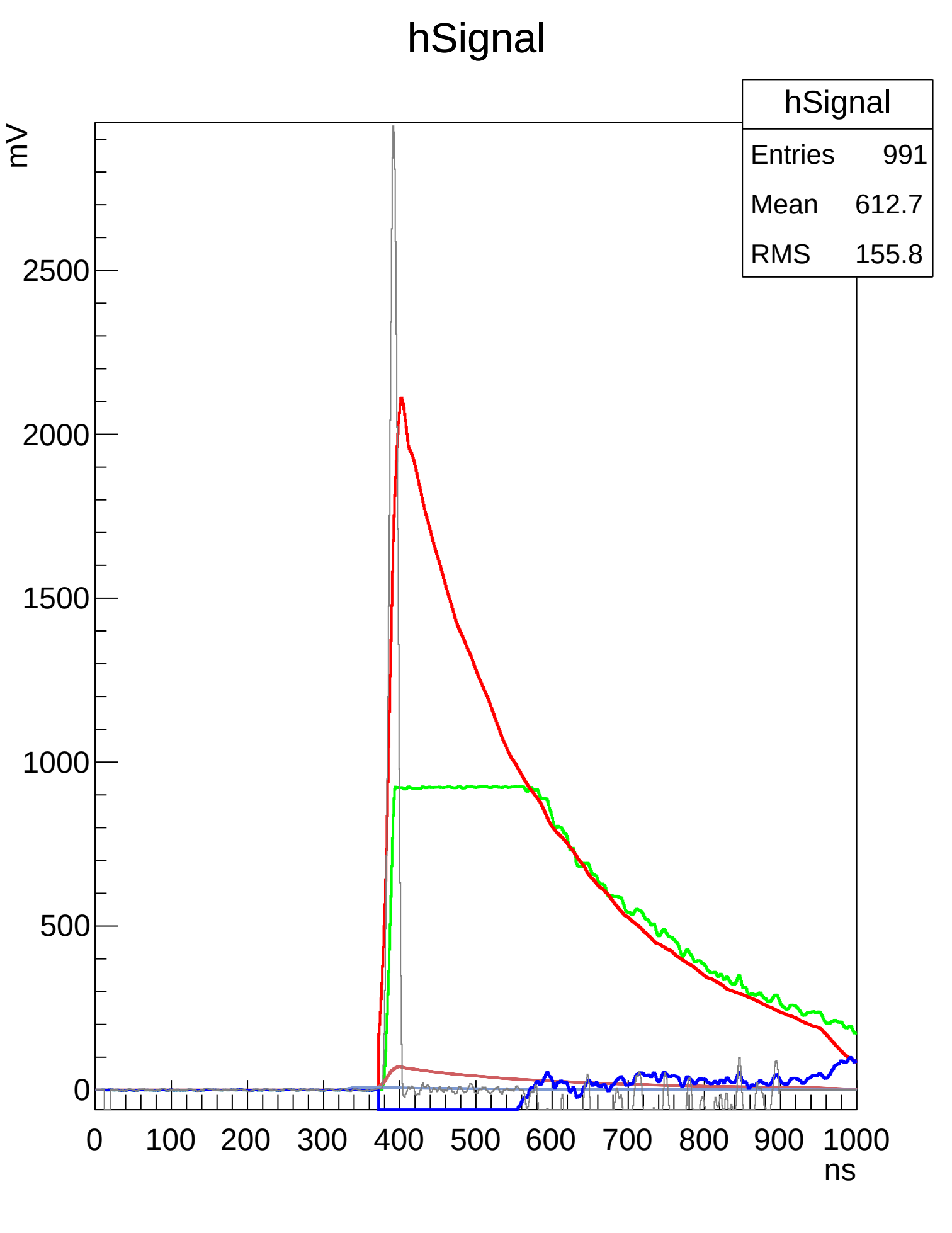

hSignal
hSignal
Entries 991
Mean 552.6
RMS 162.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

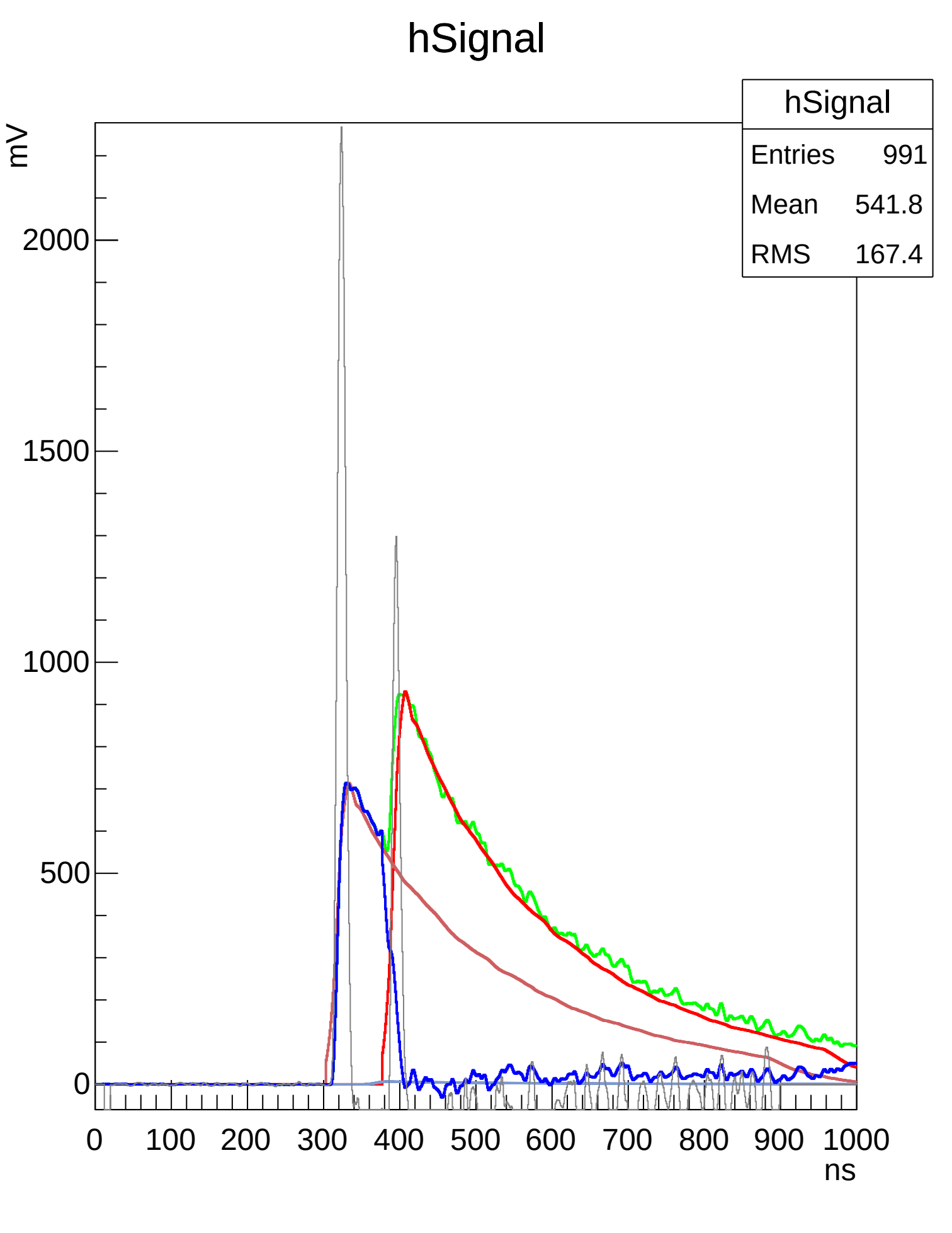

hSignal
hSignal
Entries 991
Mean 607.3
RMS 146.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

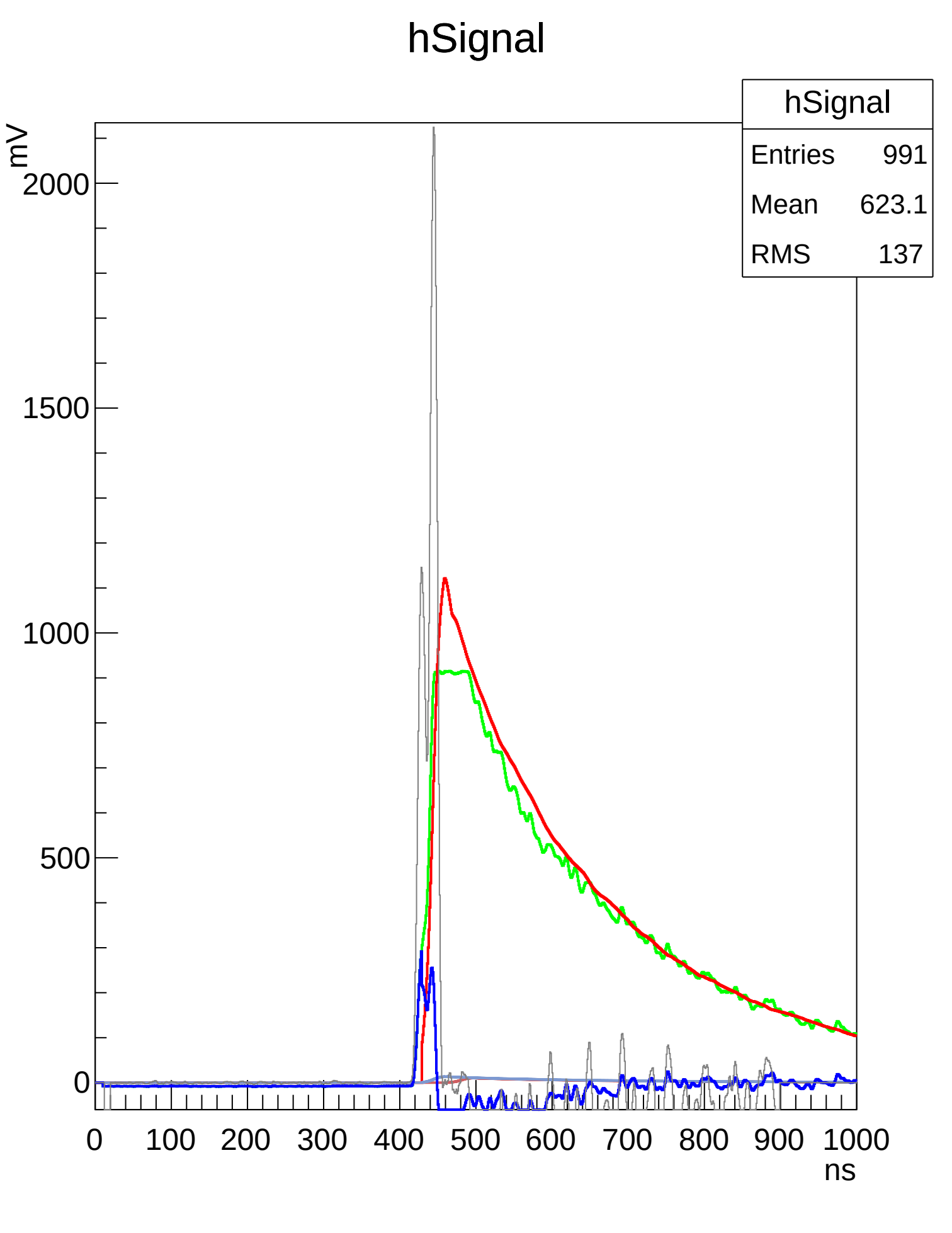

hSignal
hSignal
Entries 991
Mean 590.6
RMS 152
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

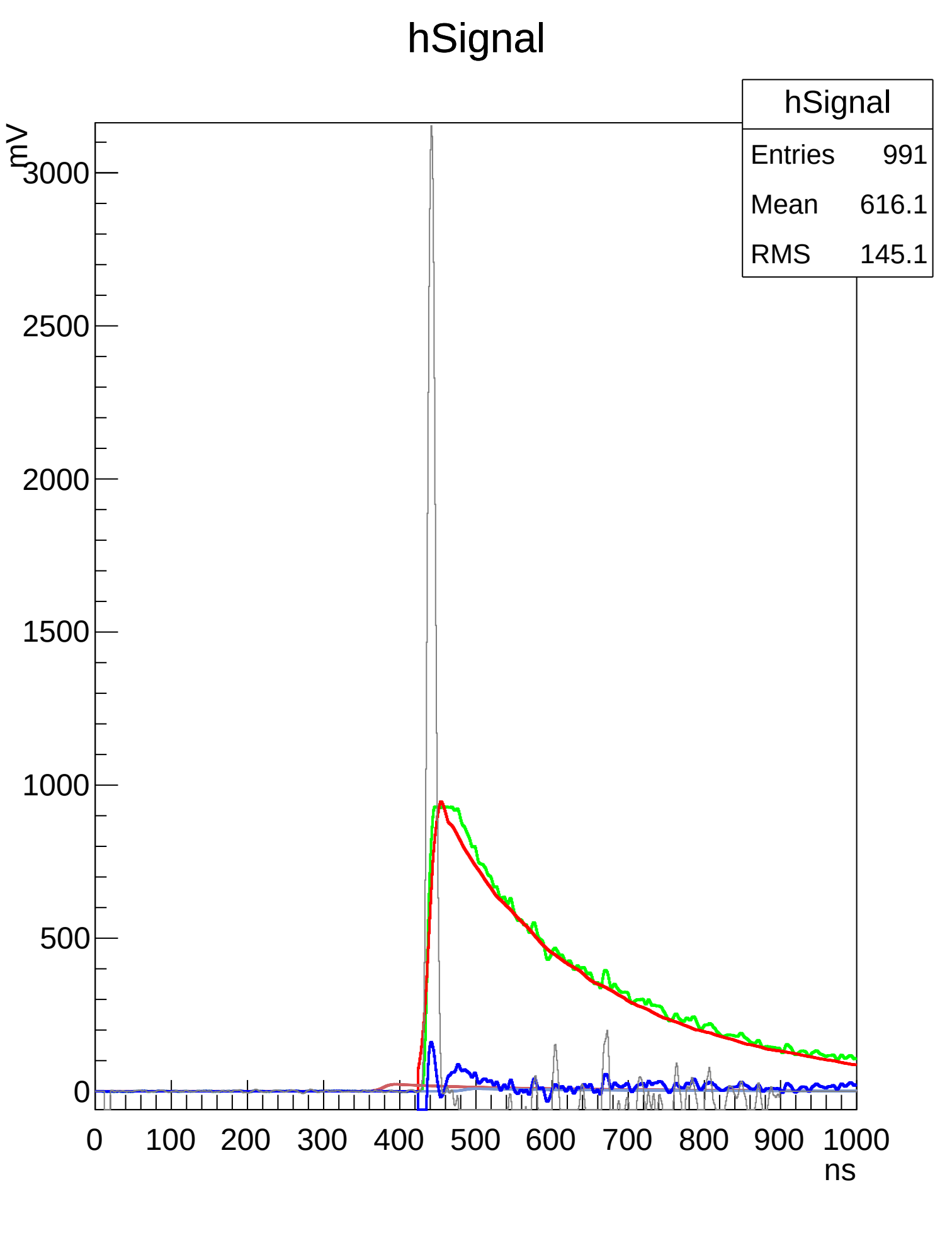

hSignal
hSignal
Entries 991
Mean 610.8
RMS 150.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

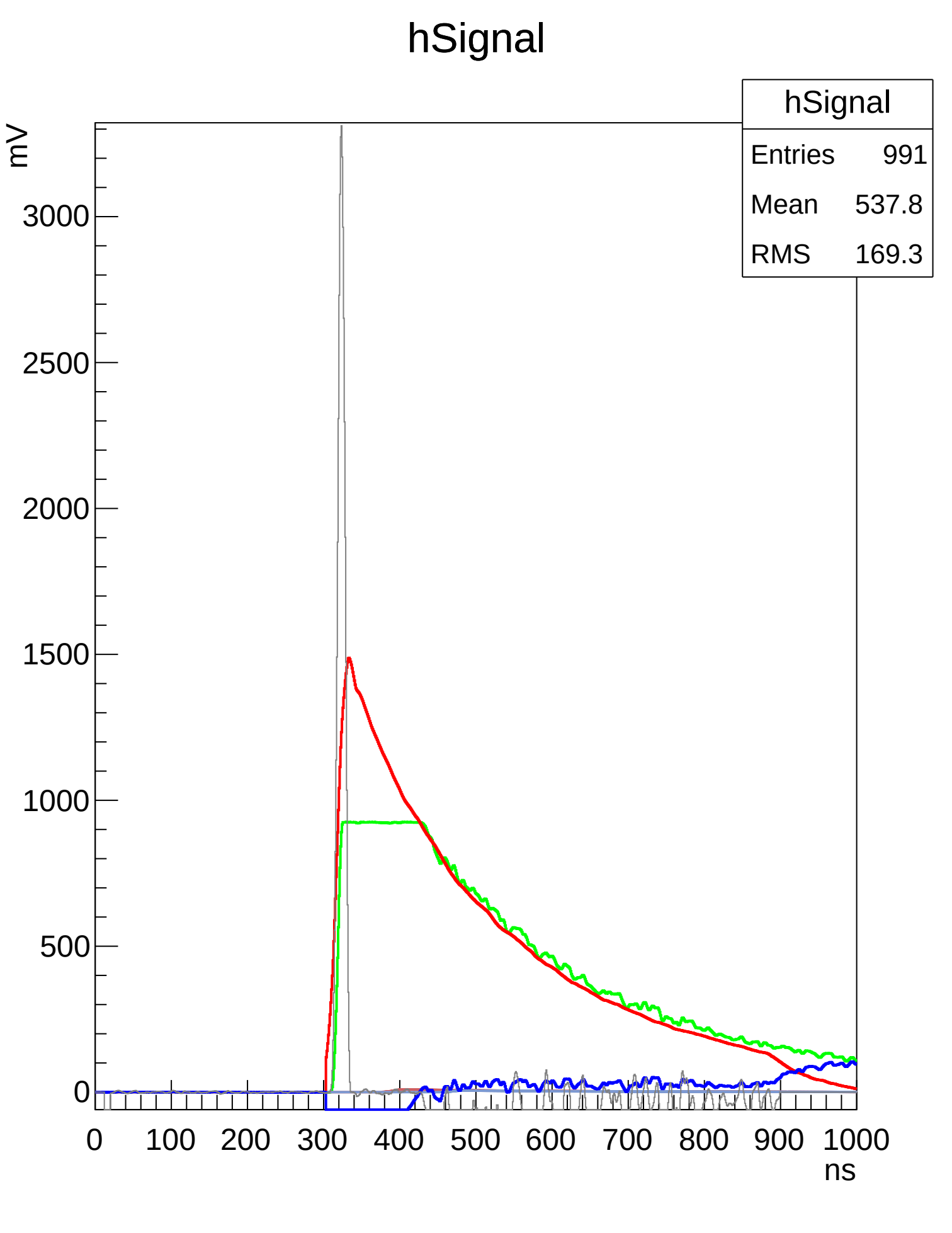

hSignal
hSignal
Entries 991
Mean 599.9
RMS 165
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

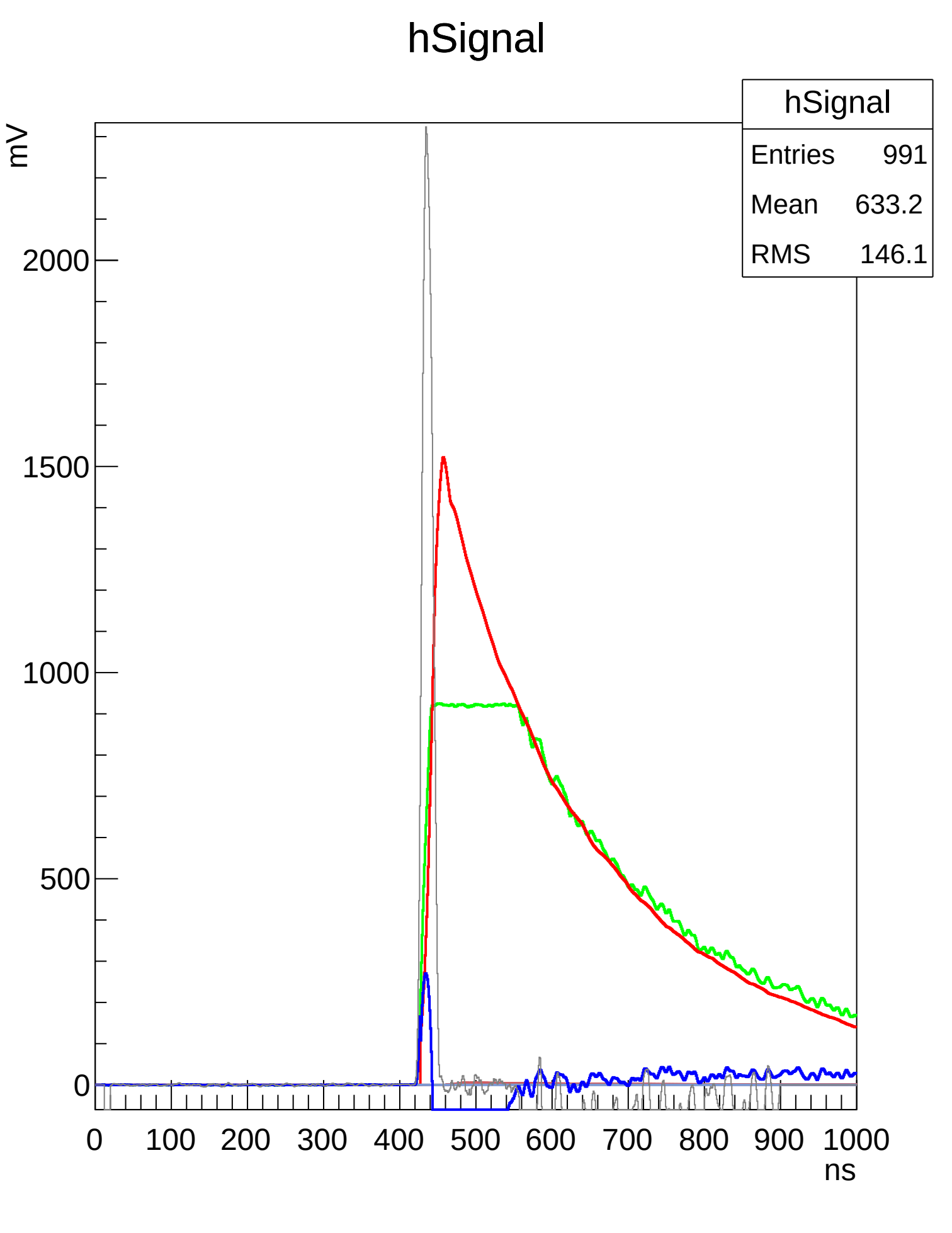

hSignal
hSignal
Entries 991
Mean 612.7
RMS 155.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

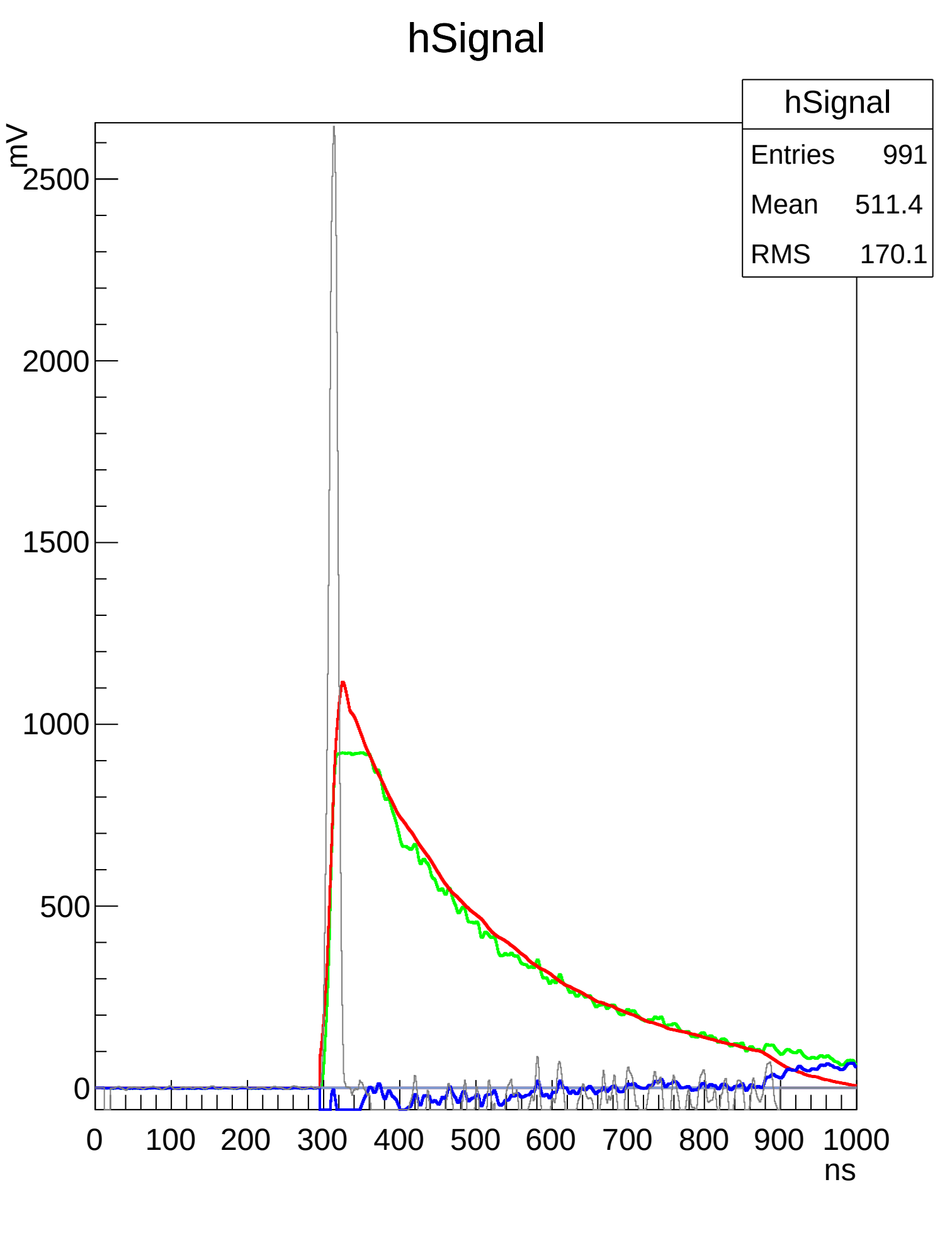

hSignal
hSignal
Entries 991
Mean 541.8
RMS 167.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

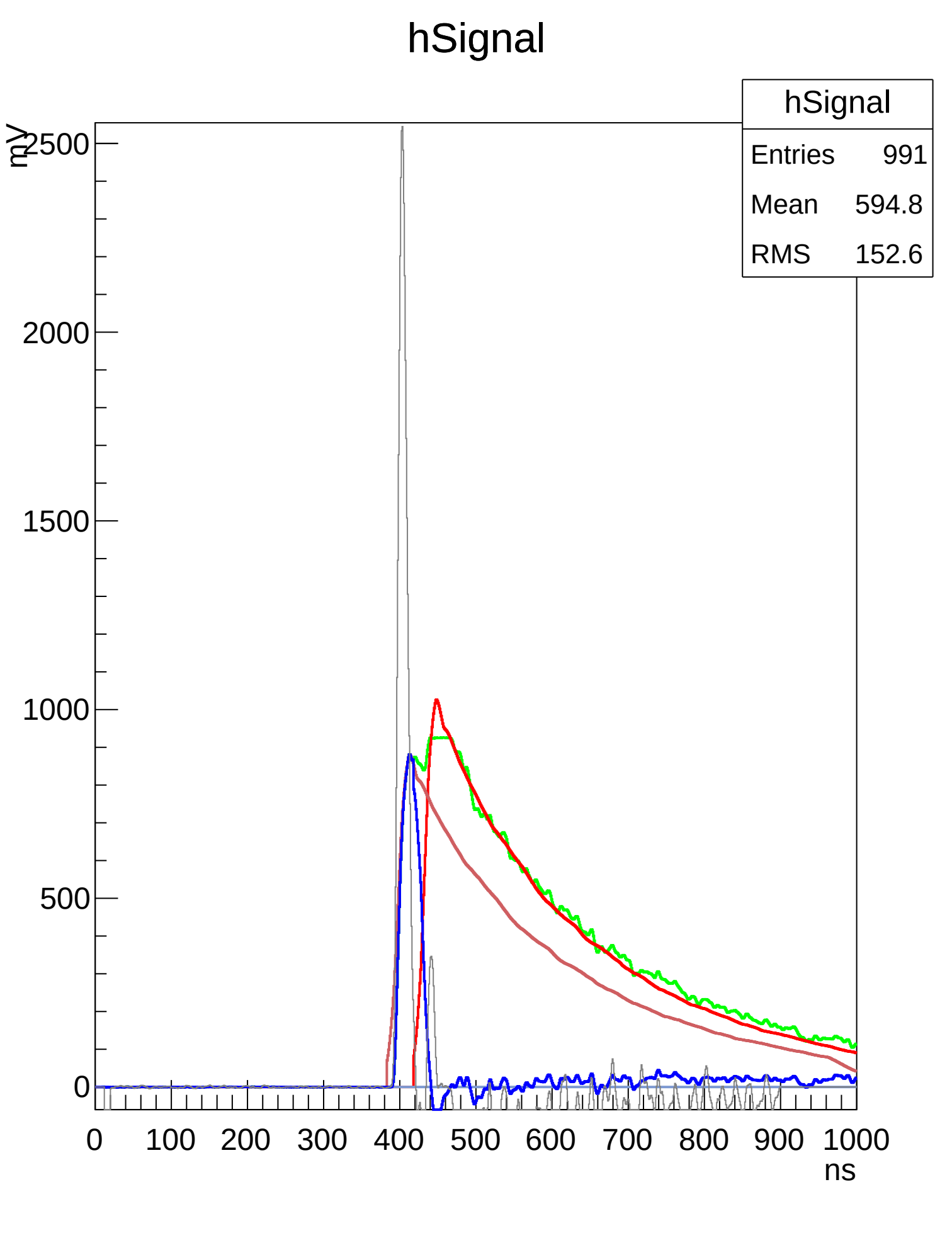

hSignal
hSignal
Entries 991
Mean 623.1
RMS 137
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

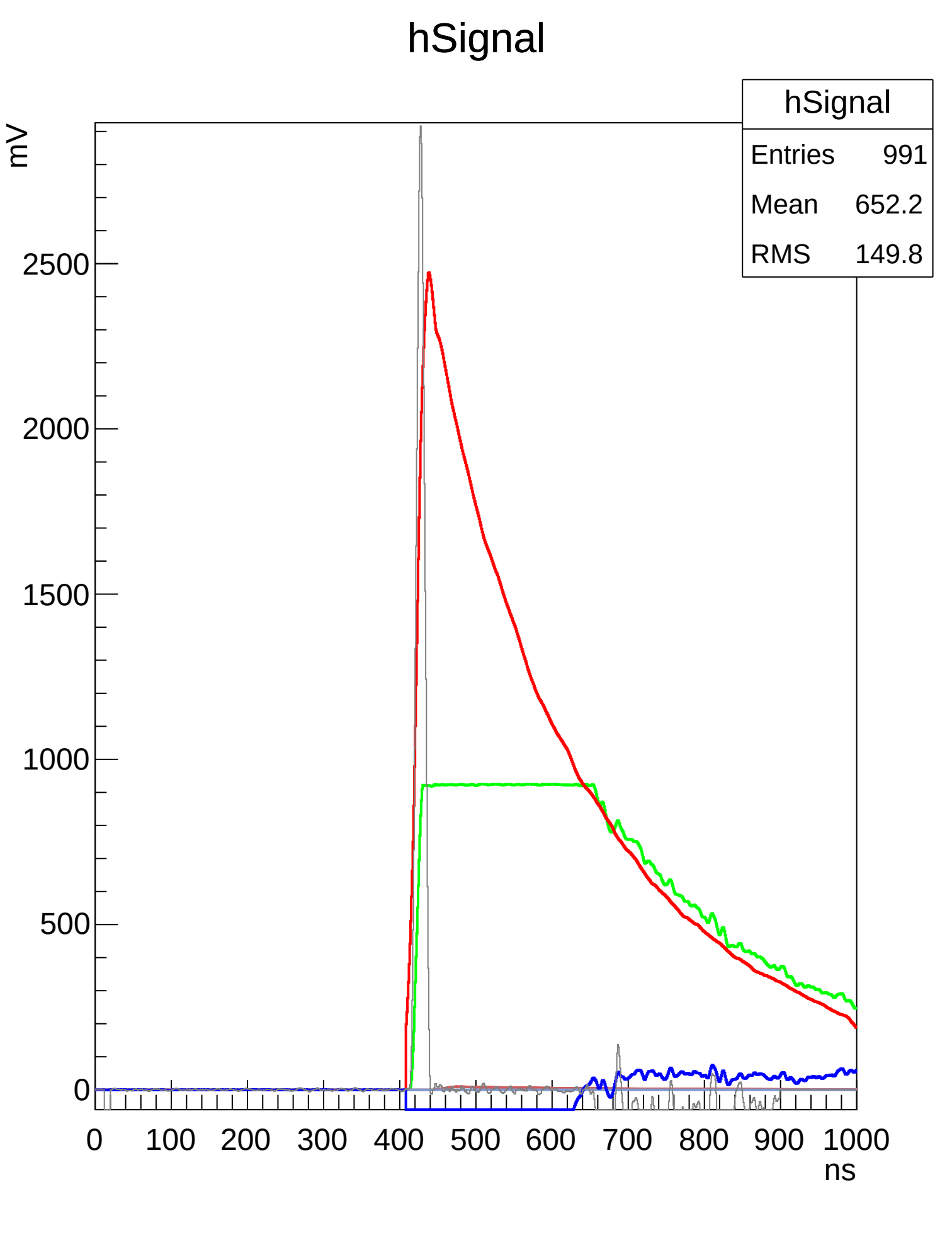

hSignal
hSignal
Entries 991
Mean 616.1
RMS 145.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

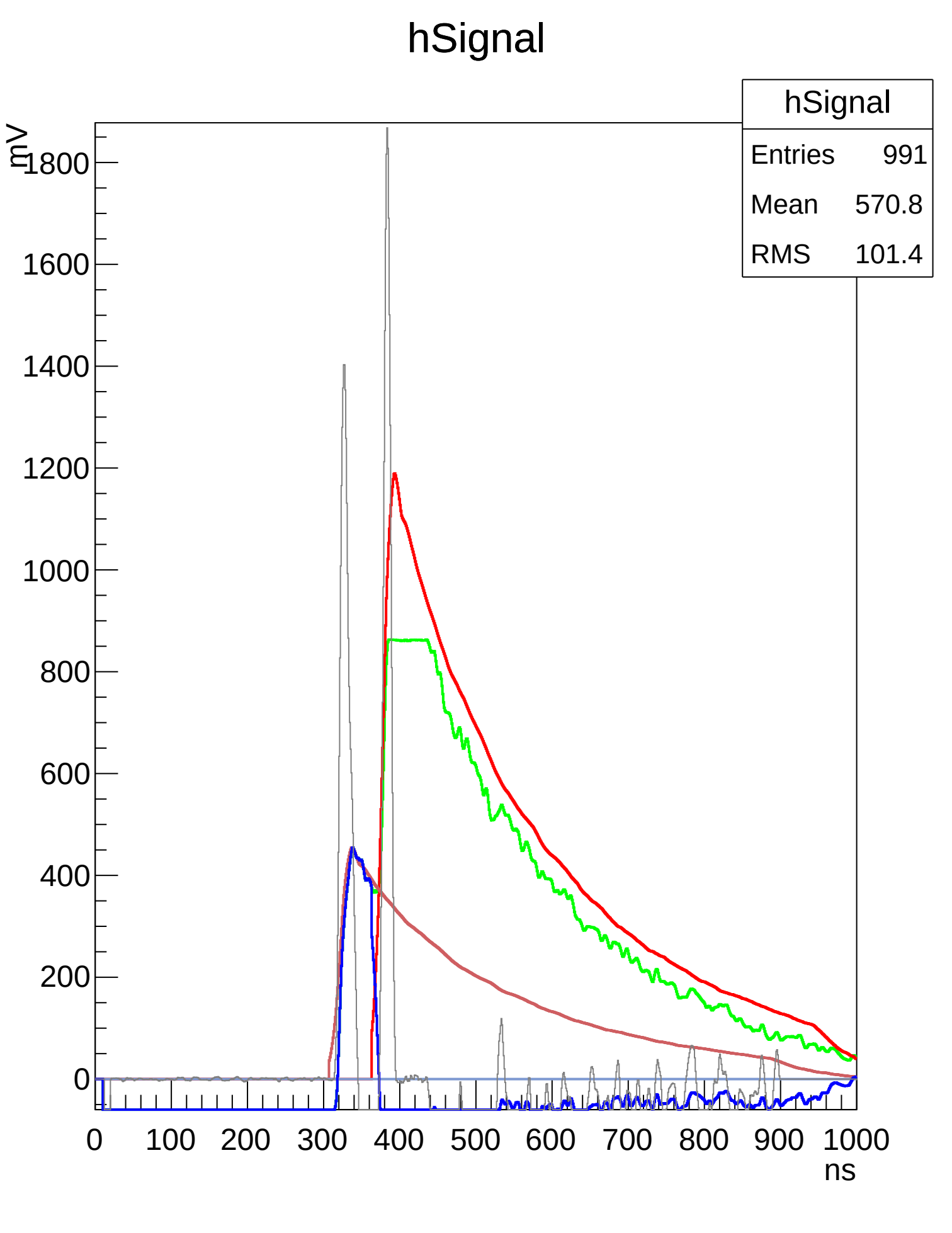

hSignal
hSignal
Entries 991
Mean 537.8
RMS 169.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

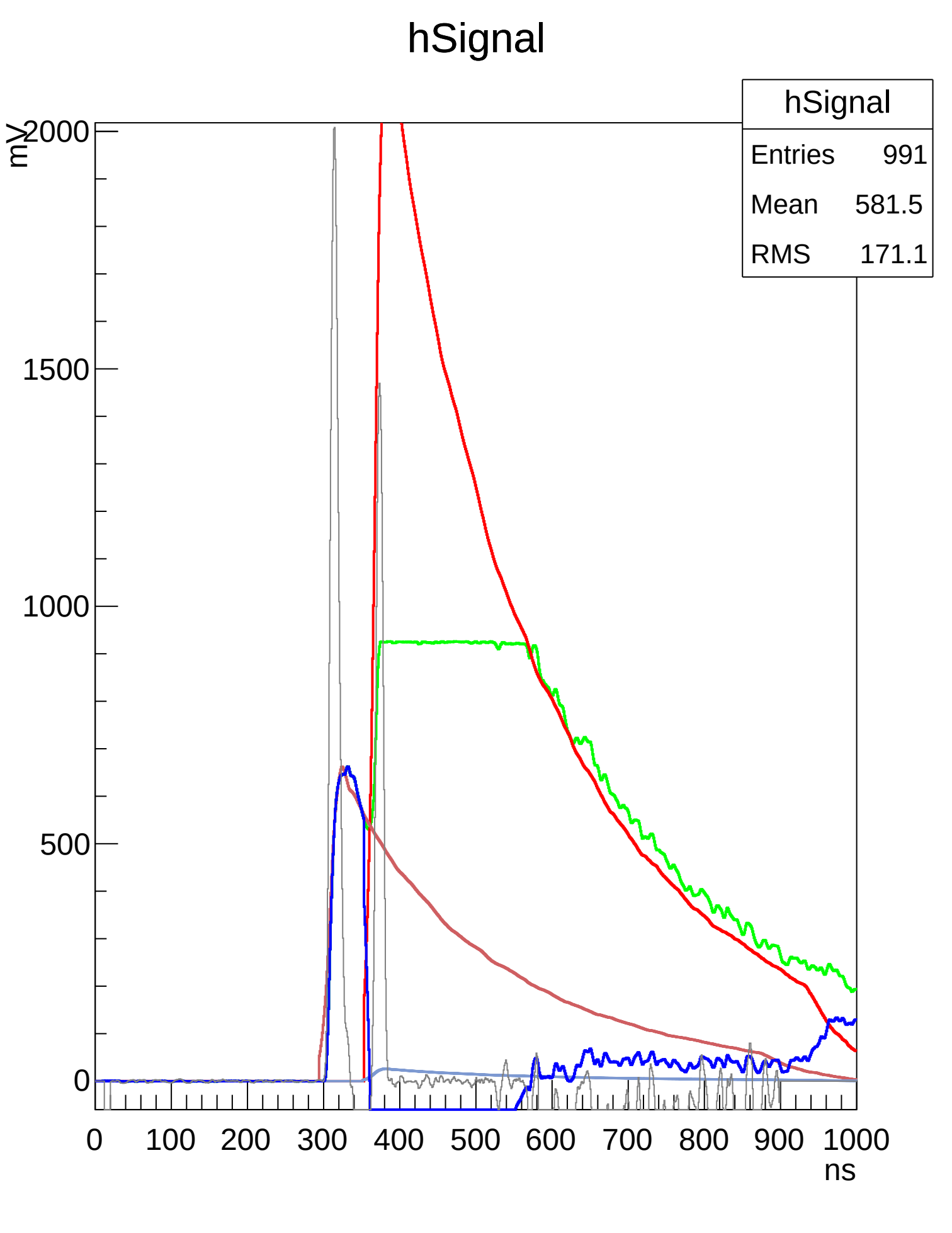

hSignal
hSignal
Entries 991
Mean 633.2
RMS 146.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

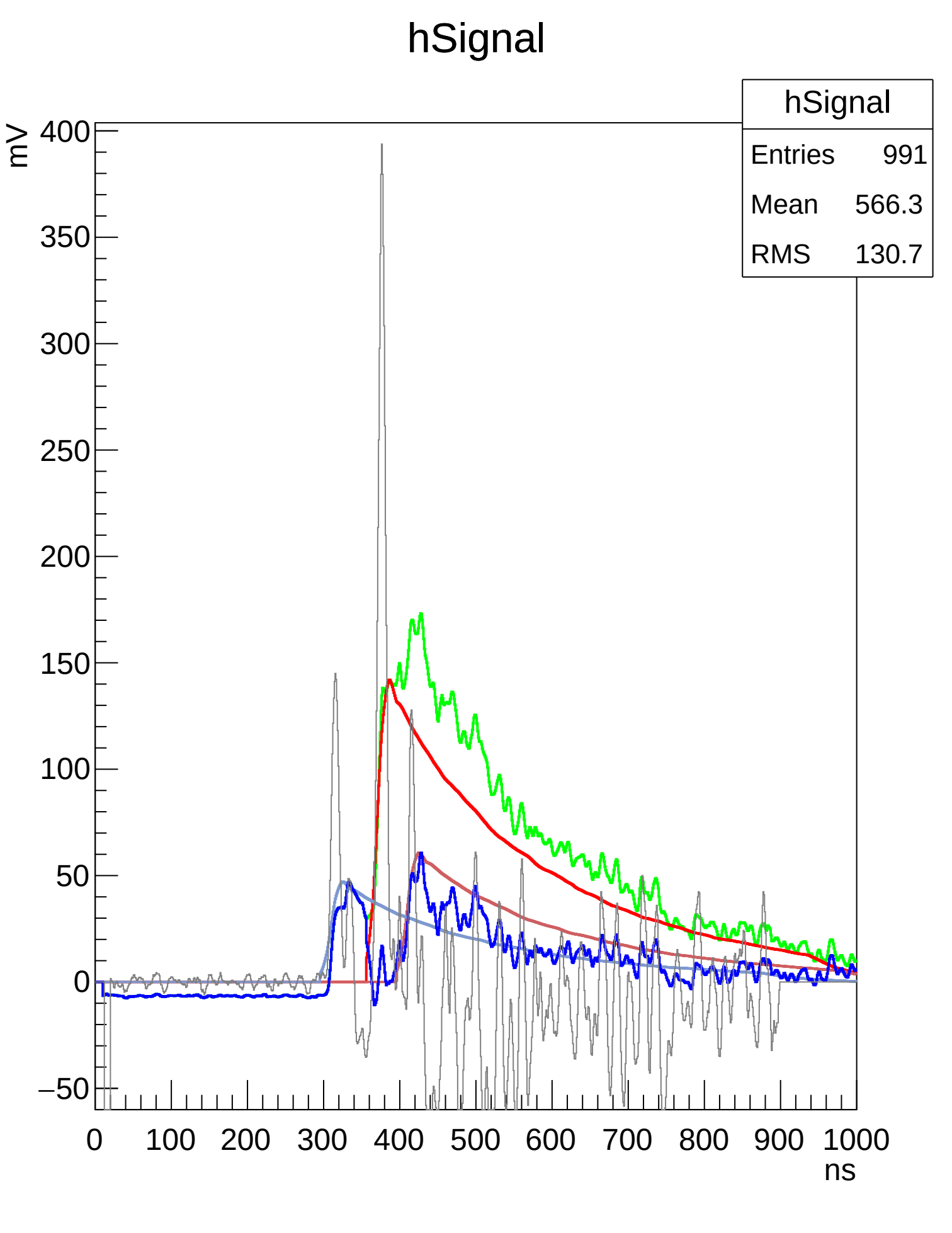

hSignal
hSignal
Entries 991
Mean 511.4
RMS 170.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

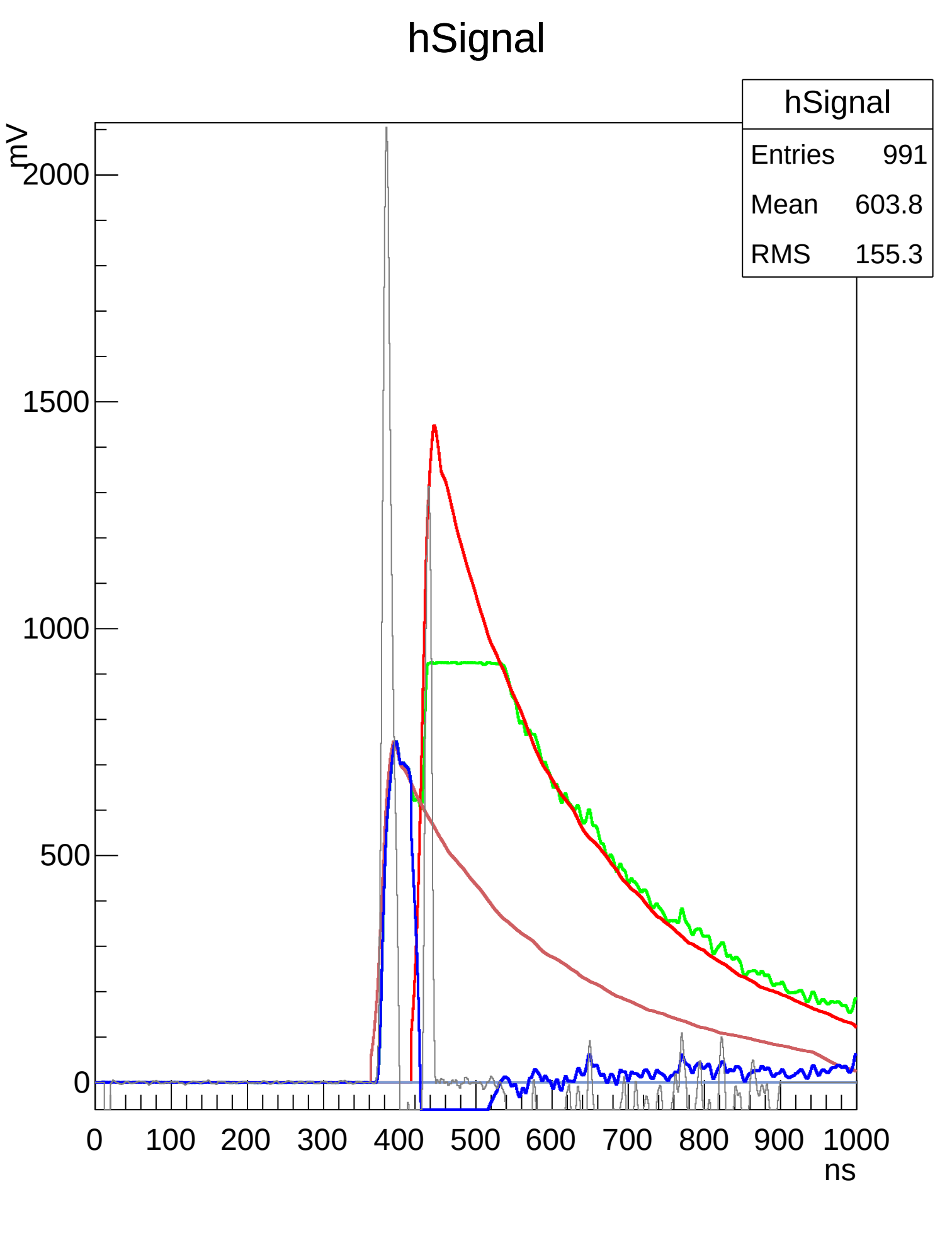

hSignal
hSignal
Entries 991
Mean 594.8
RMS 152.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

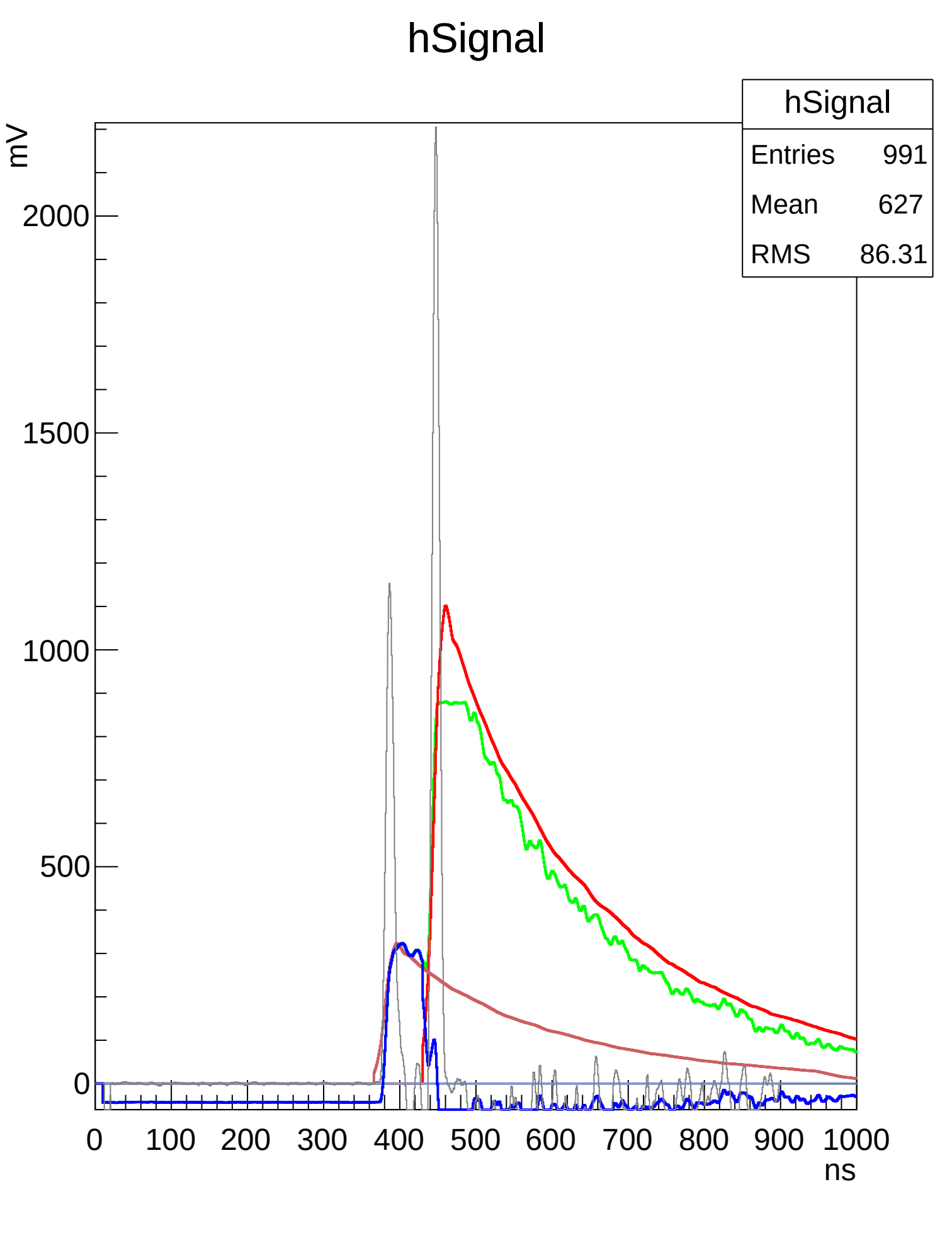

hSignal
hSignal
Entries 991
Mean 652.2
RMS 149.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

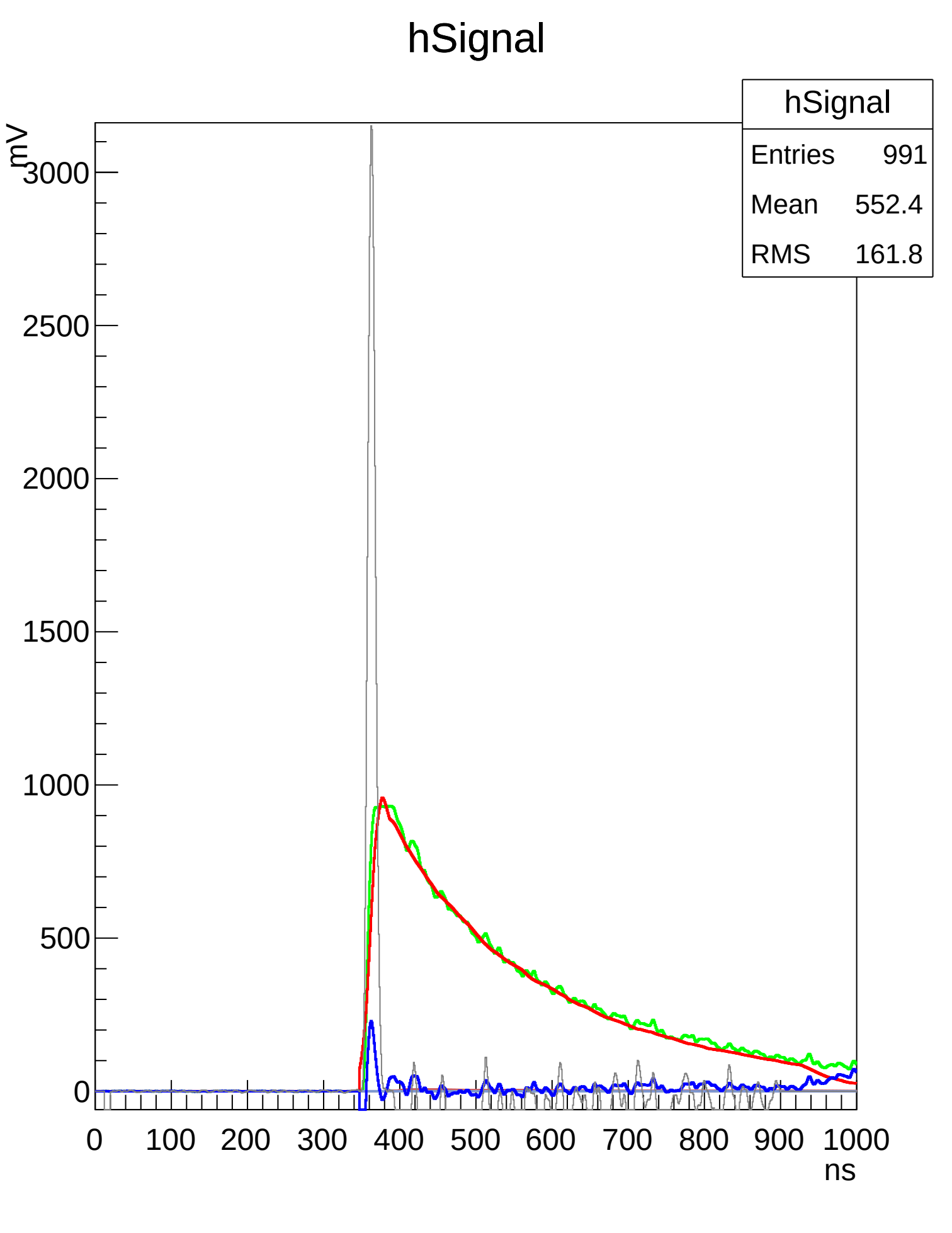

hSignal
hSignal
Entries 991
Mean 570.8
RMS 101.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

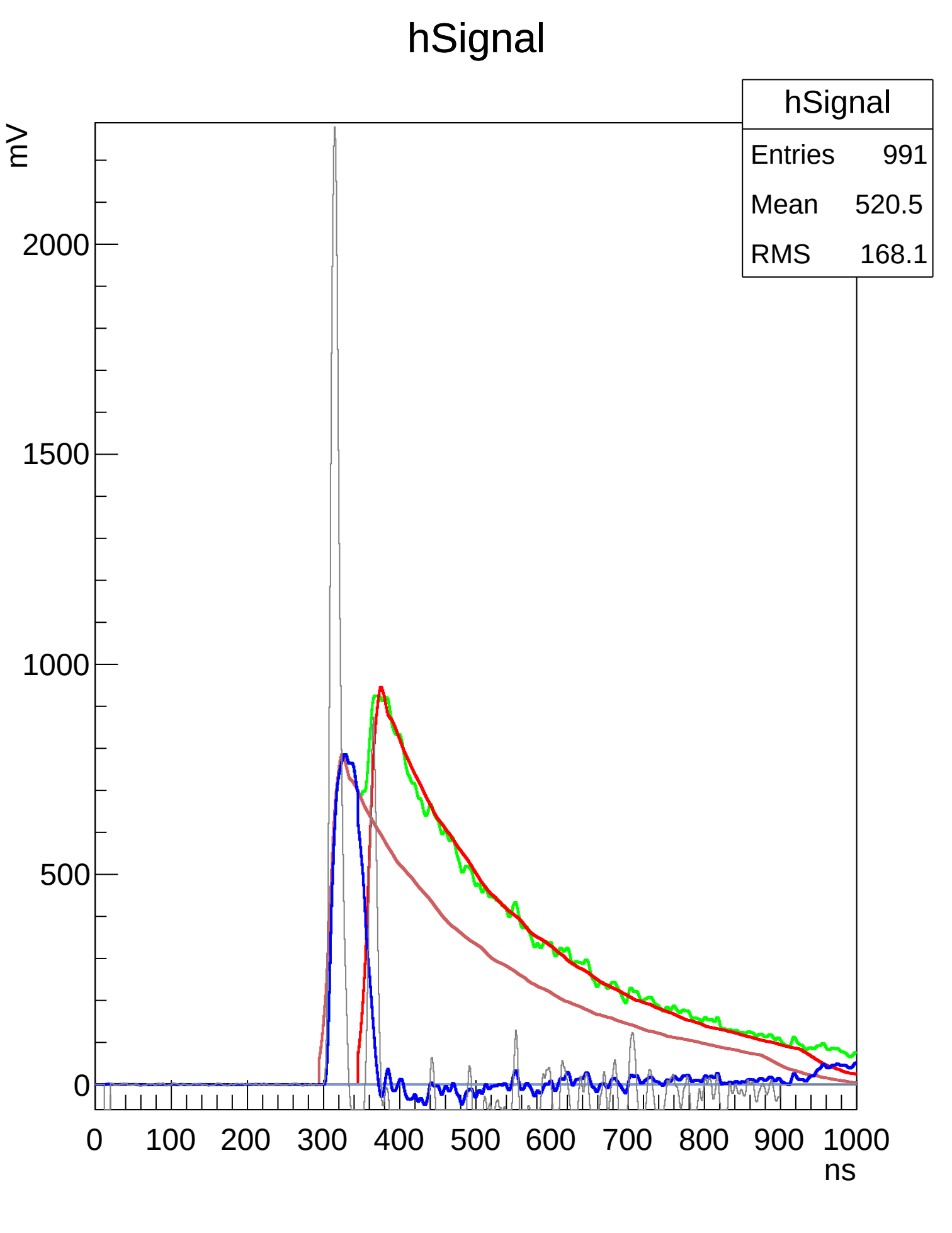

hSignal
hSignal
Entries 991
Mean 581.5
RMS 171.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

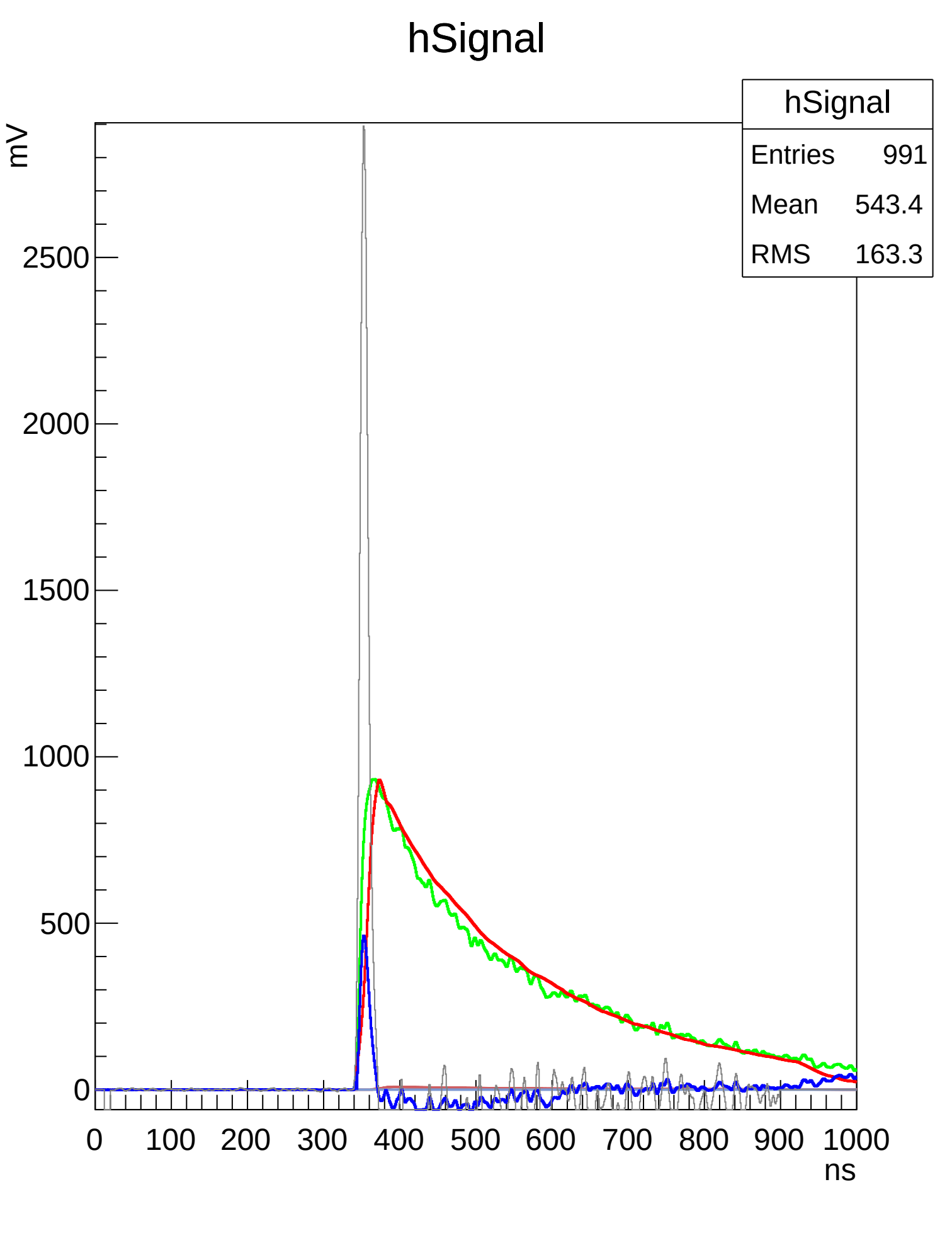

hSignal
hSignal
Entries 991
Mean 566.3
RMS 130.7
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

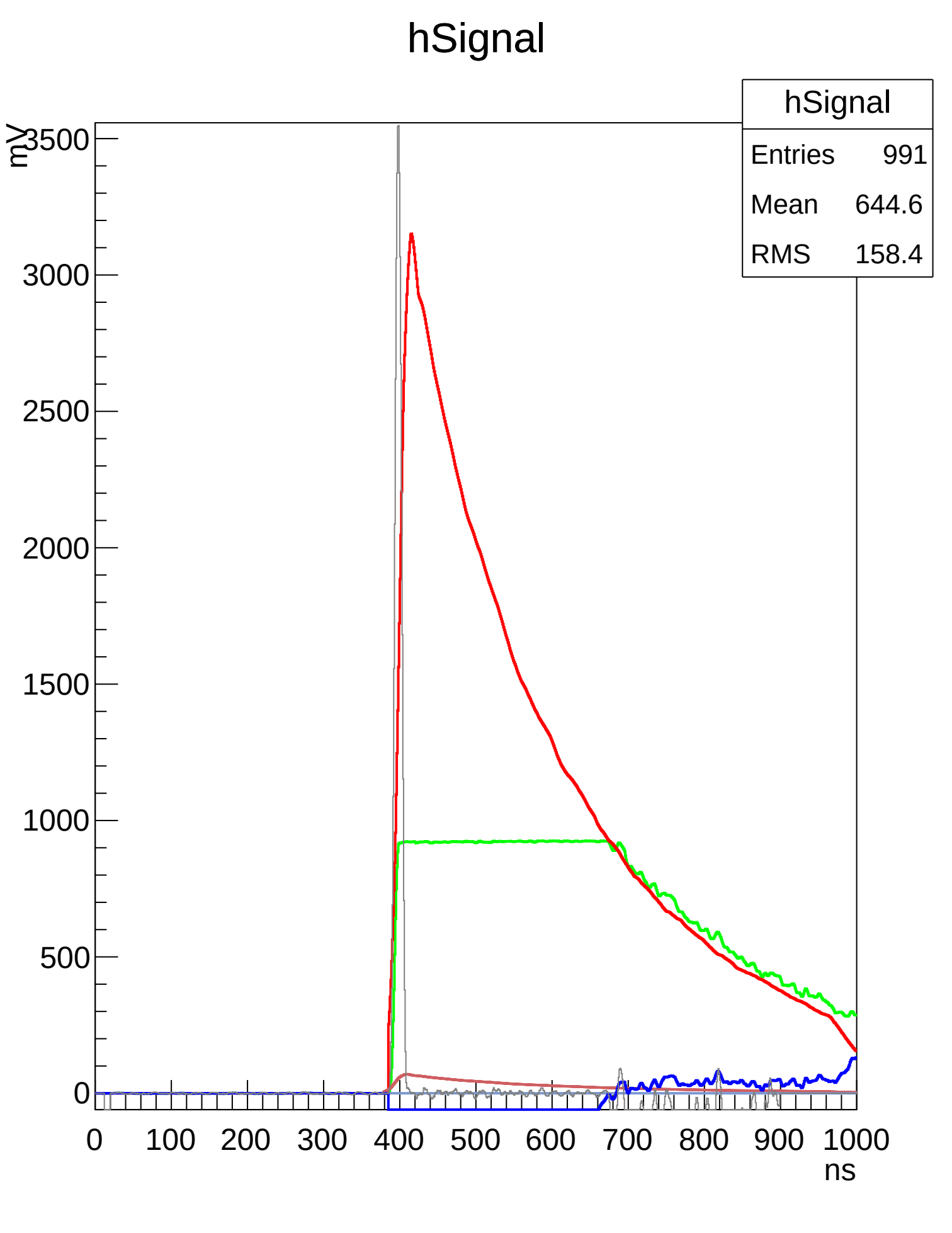

hSignal
hSignal
Entries 991
Mean 603.8
RMS 155.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

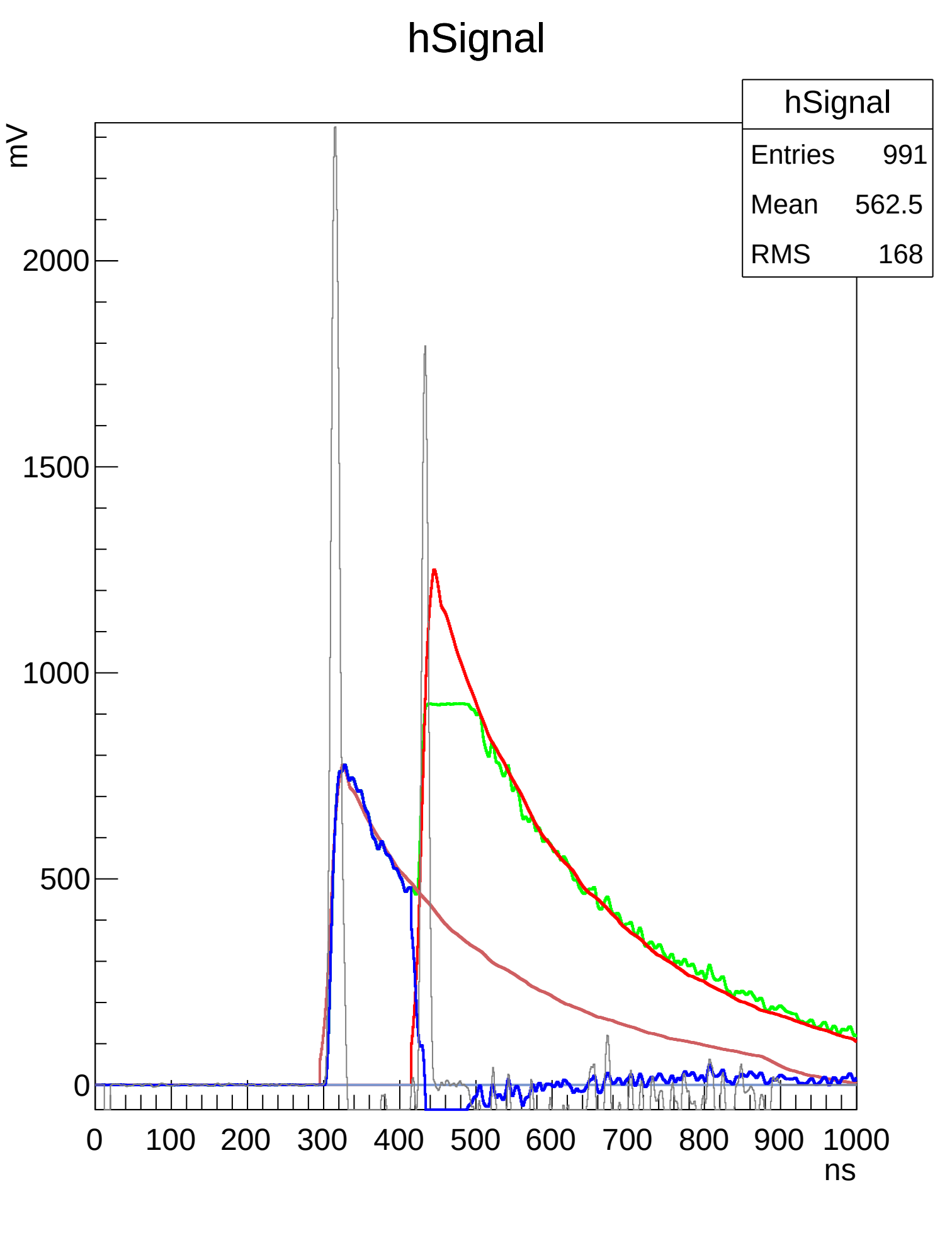

hSignal
hSignal
Entries 991
Mean 627
RMS 86.31
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

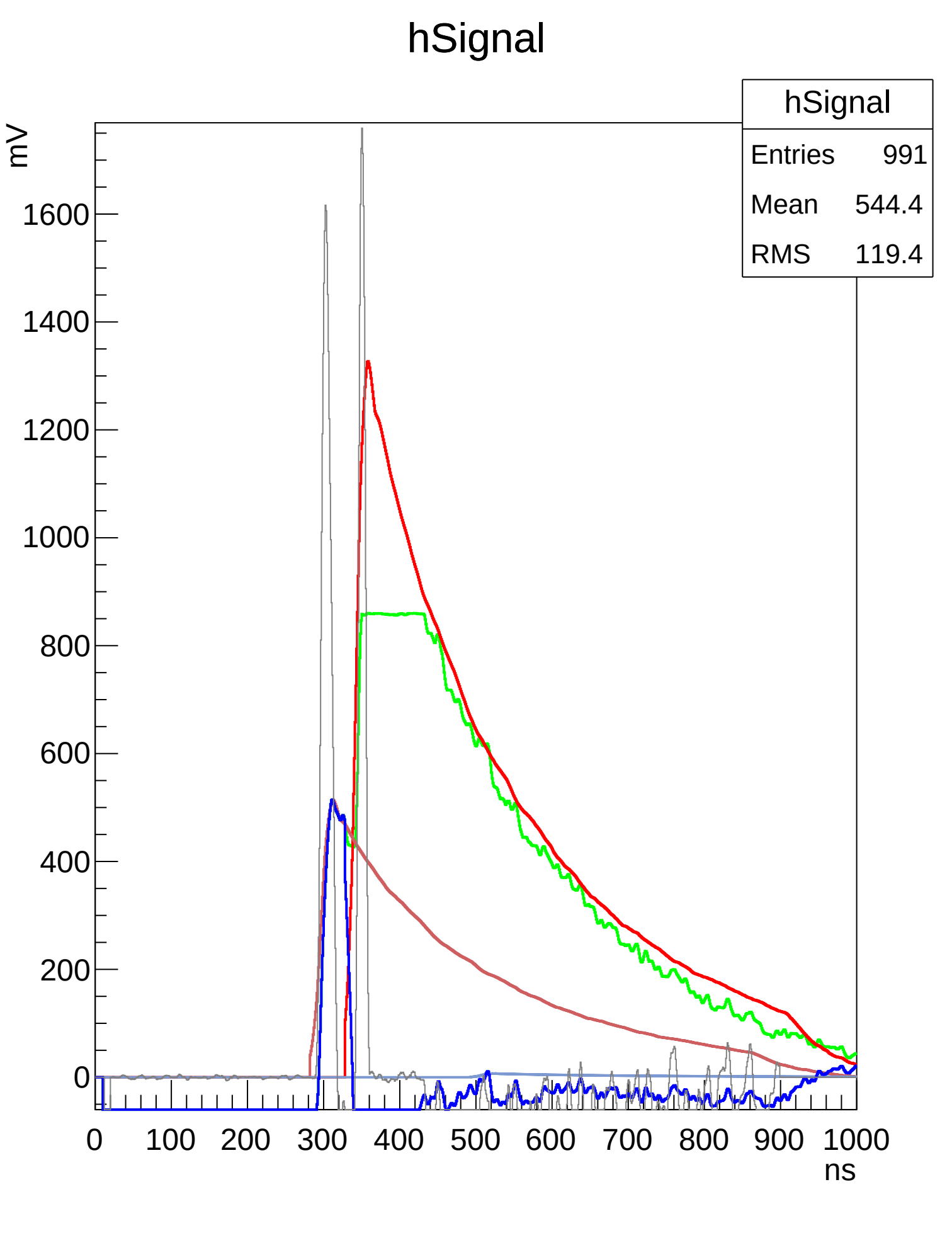

hSignal
hSignal
Entries 991
Mean 552.4
RMS 161.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

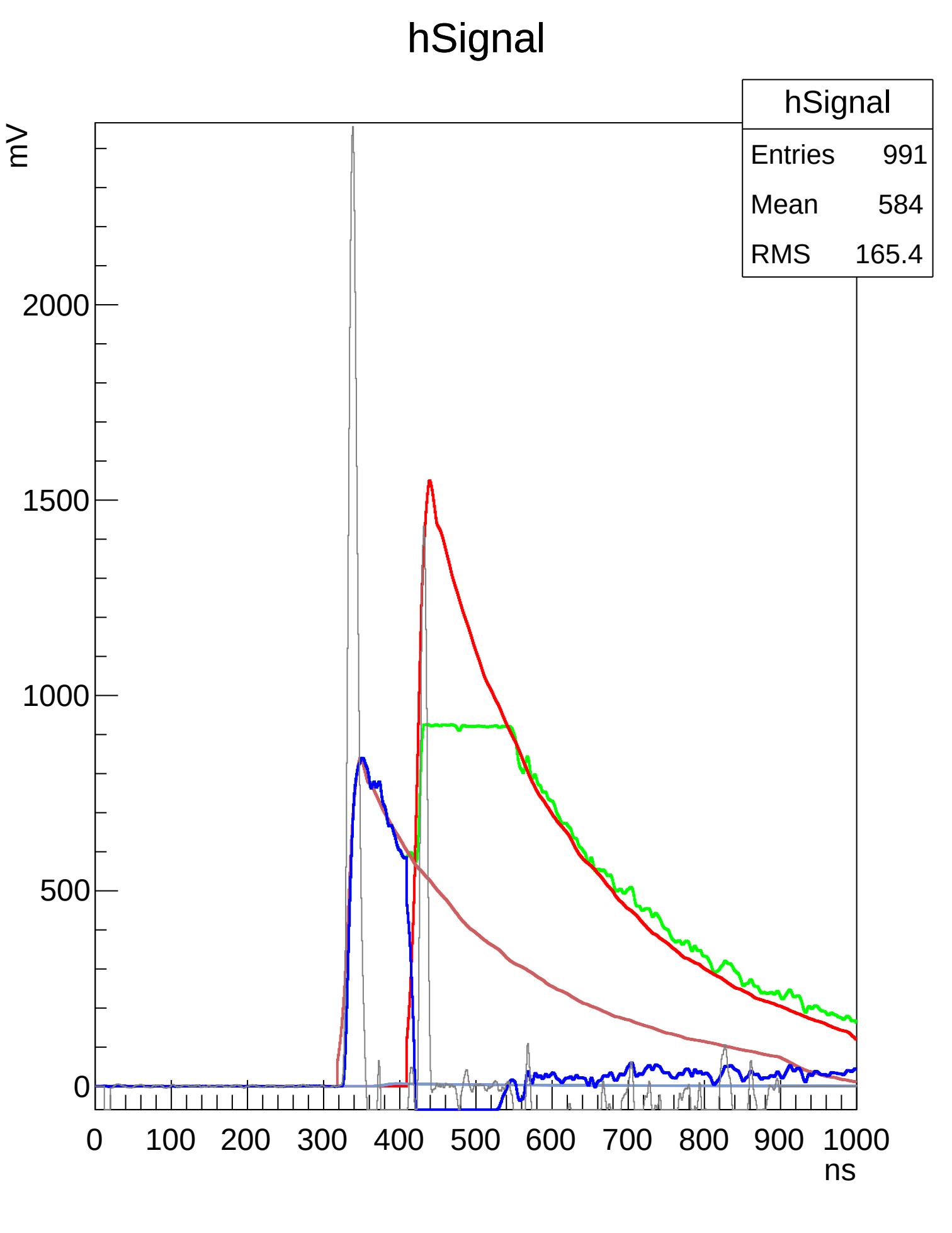

hSignal
hSignal
Entries 991
Mean 520.5
RMS 168.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

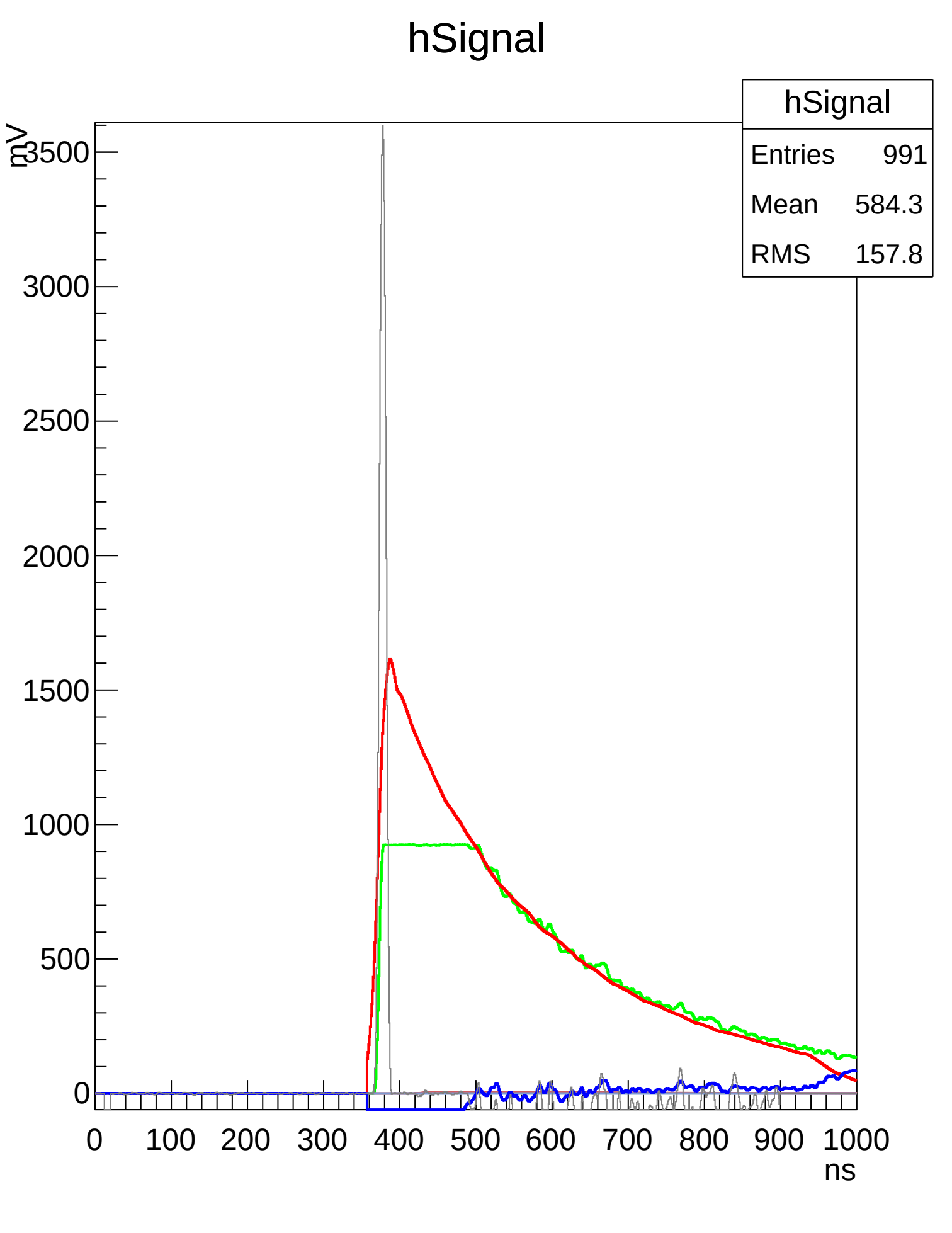

hSignal
hSignal
Entries 991
Mean 543.4
RMS 163.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

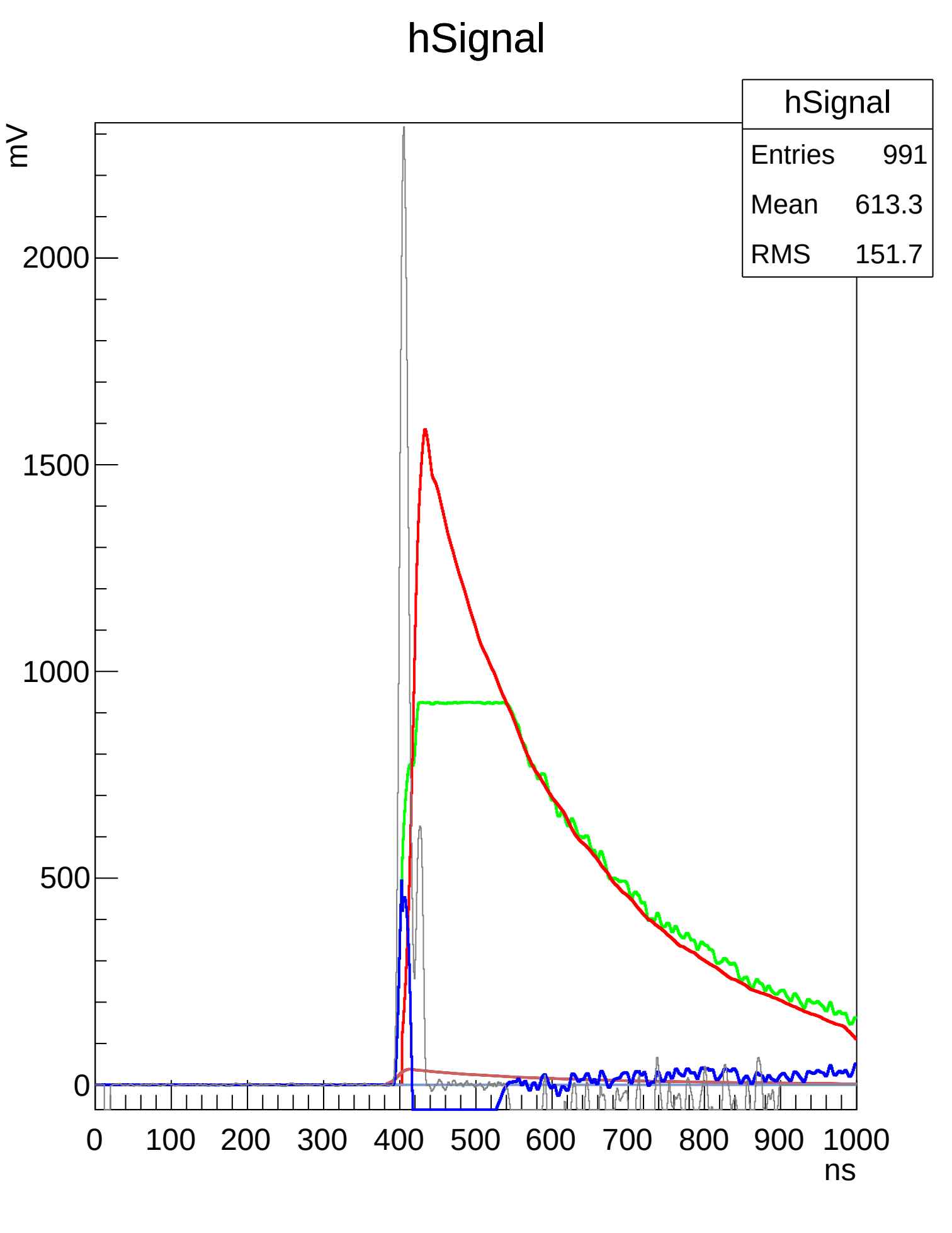

hSignal
hSignal
Entries 991
Mean 644.6
RMS 158.4
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

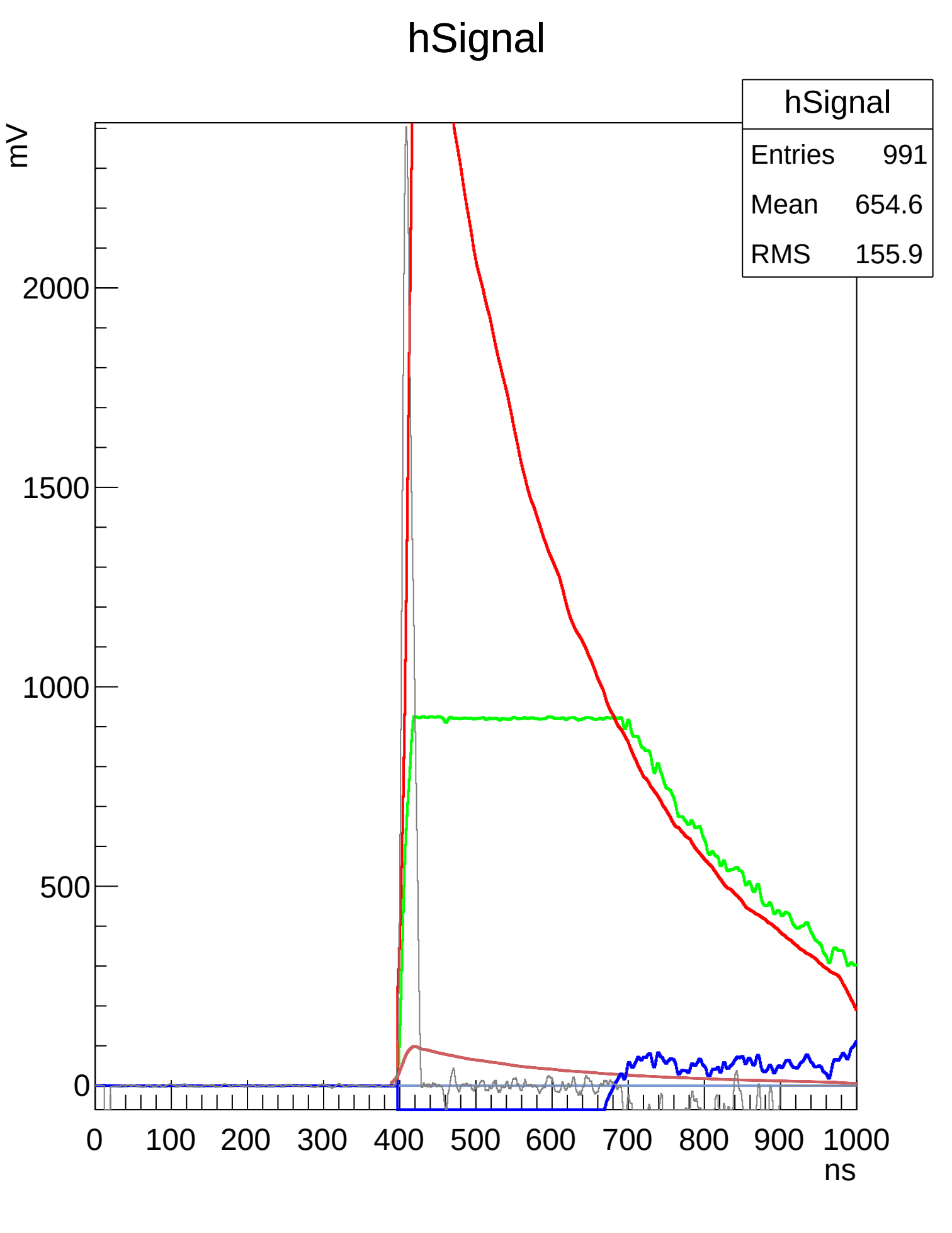

hSignal
hSignal
Entries 991
Mean 562.5
RMS 168
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

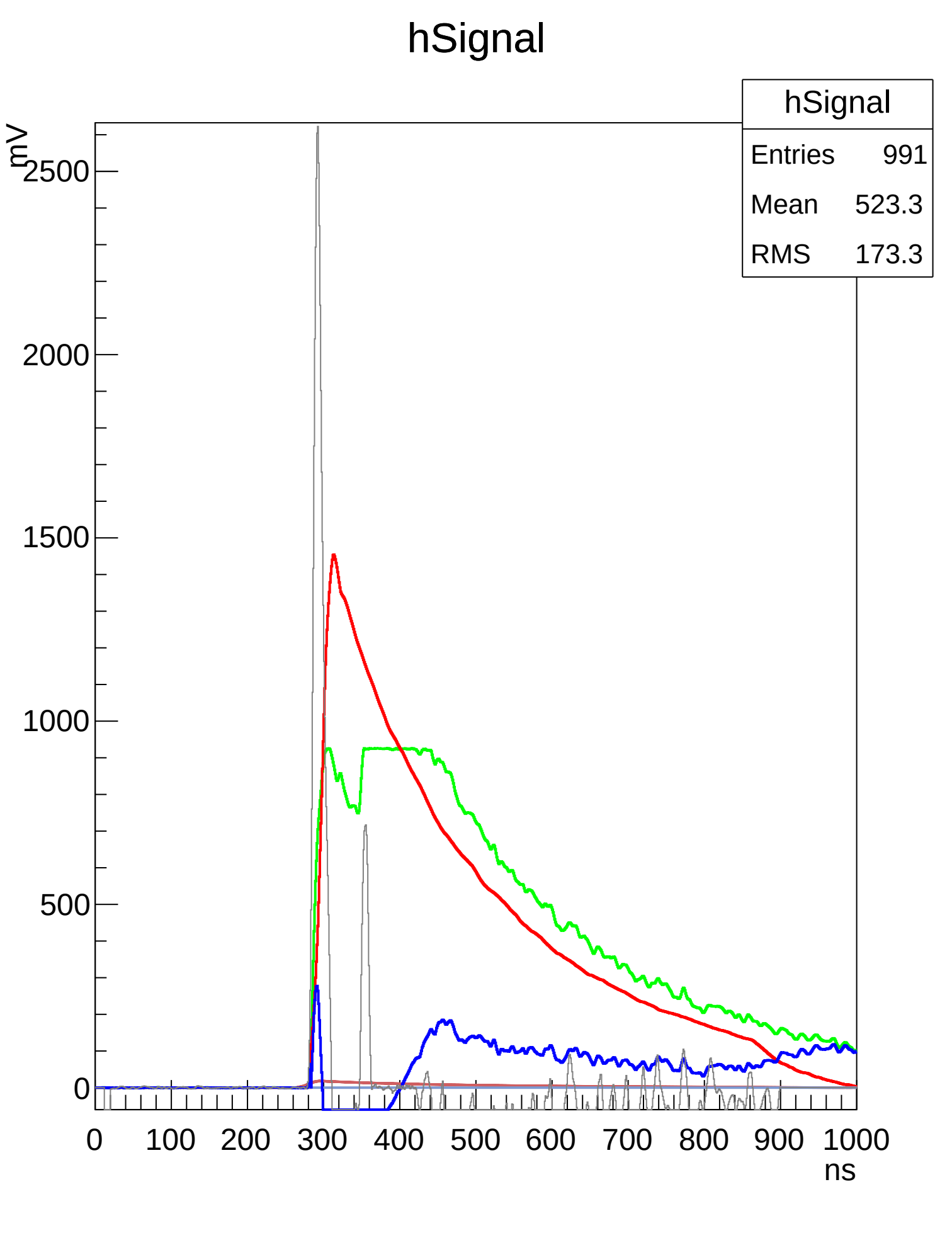

hSignal
hSignal
Entries 991
Mean 544.4
RMS 119.4
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

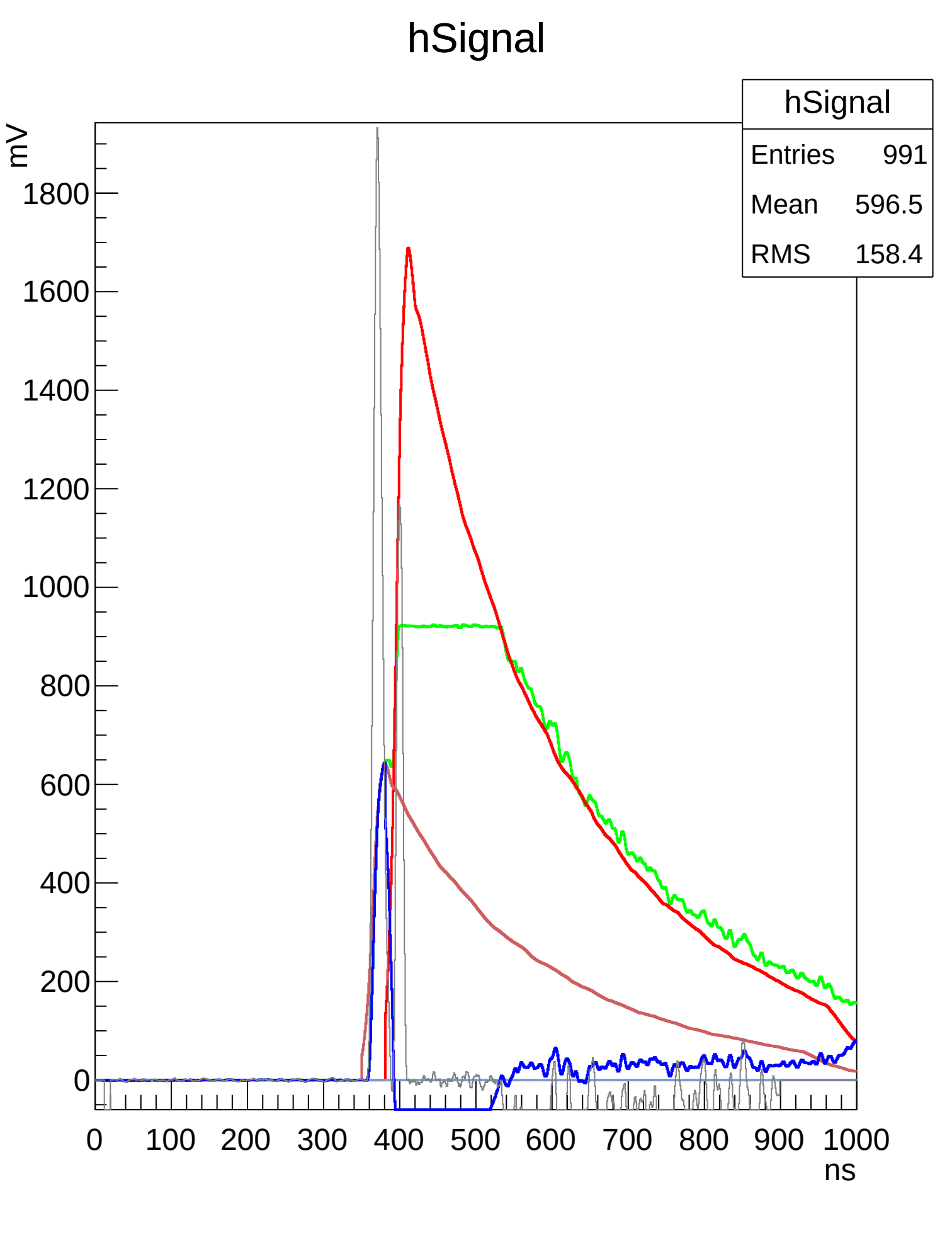

hSignal
hSignal
Entries 991
Mean 584
RMS 165.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

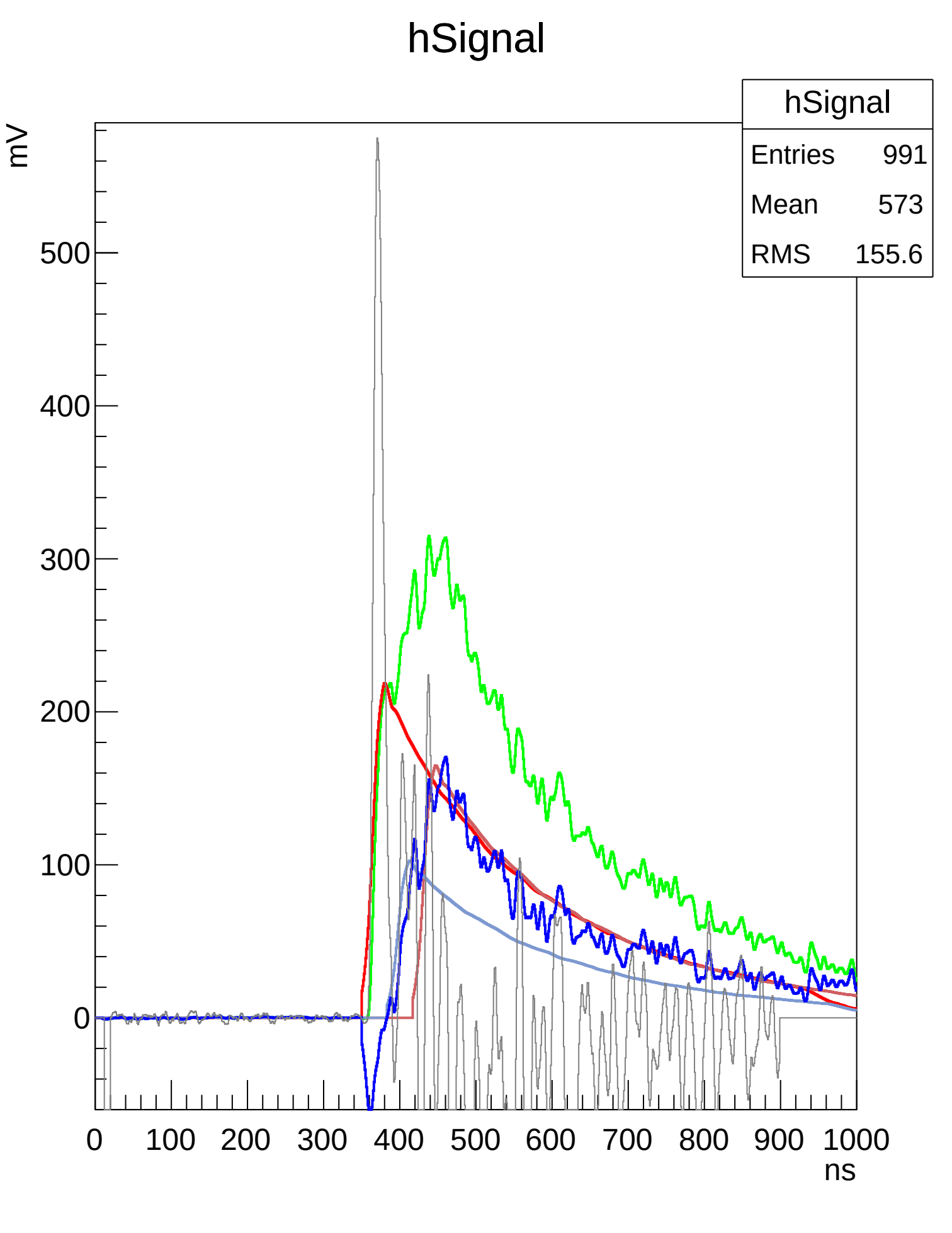

hSignal
hSignal
Entries 991
Mean 584.3
RMS 157.8
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

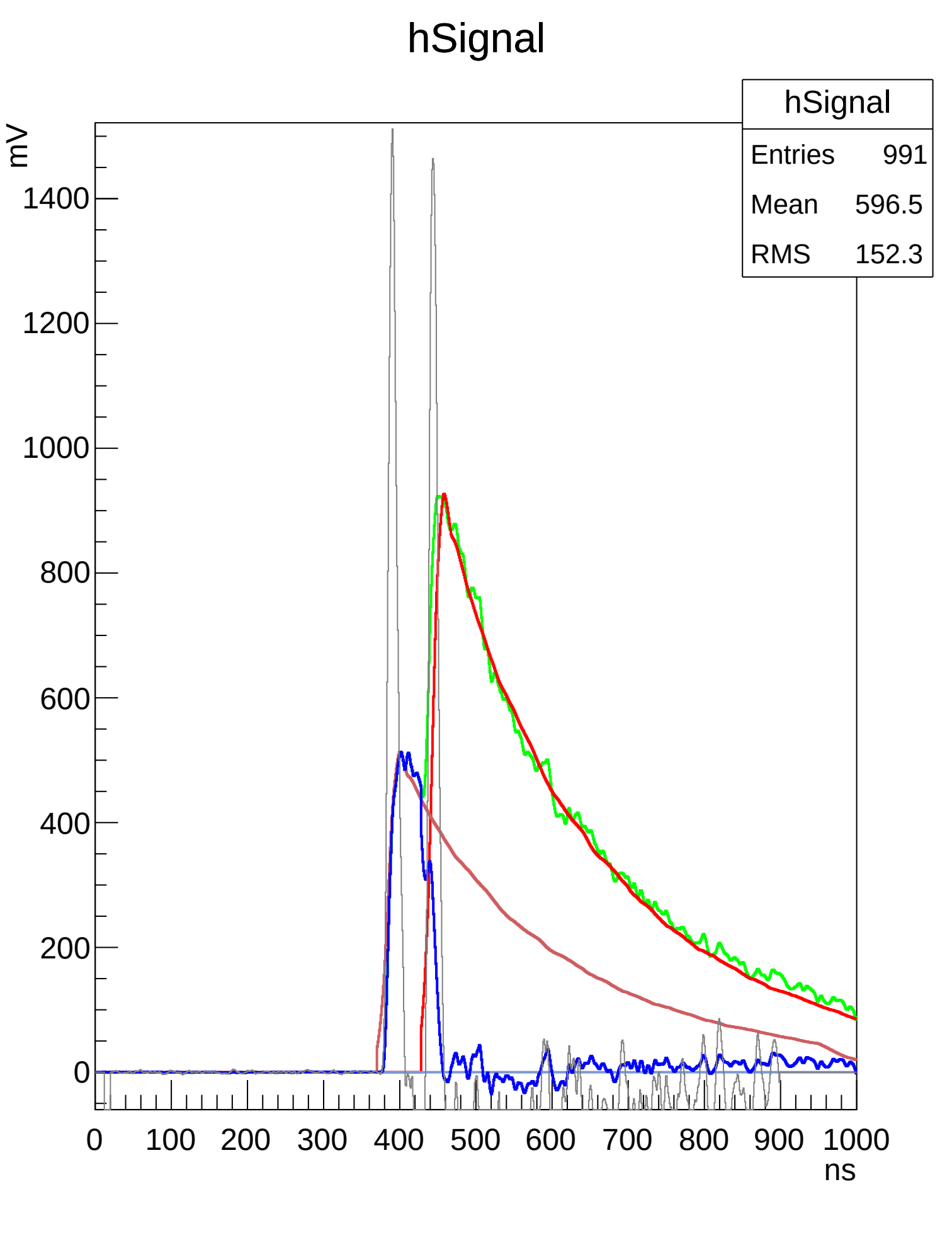

hSignal
hSignal
Entries 991
Mean 613.3
RMS 151.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

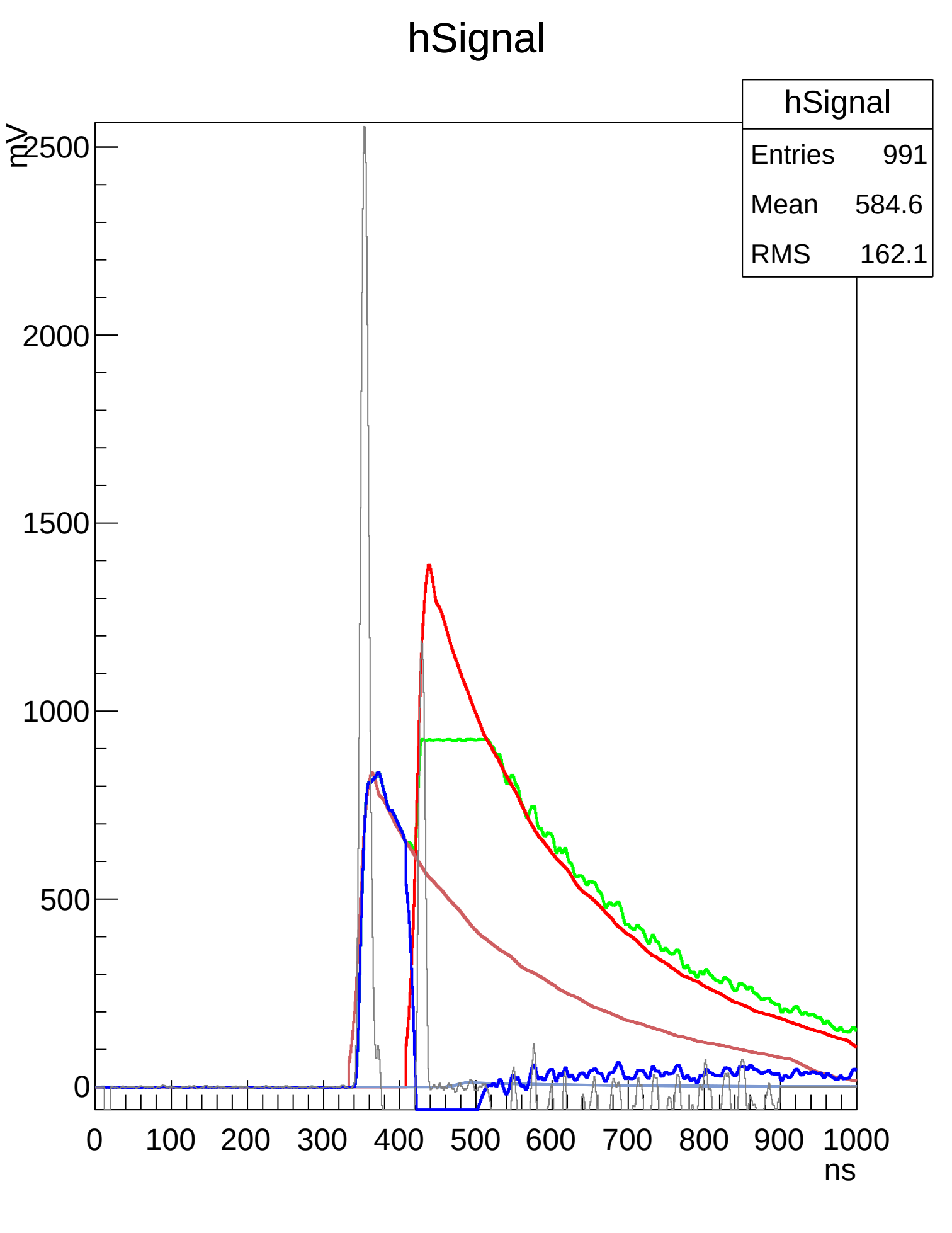

hSignal
hSignal
Entries 991
Mean 654.6
RMS 155.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

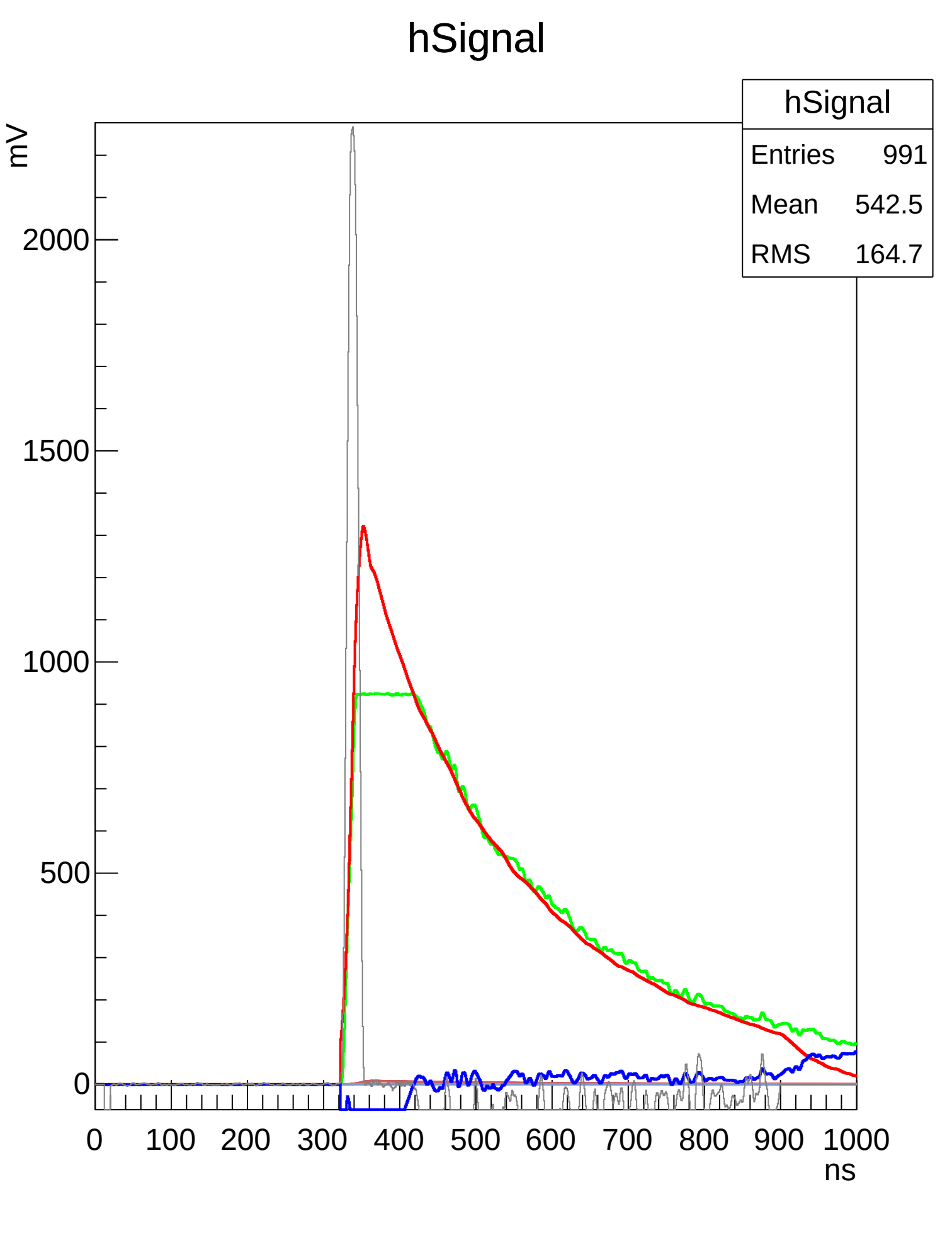

hSignal
hSignal
Entries 991
Mean 523.3
RMS 173.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

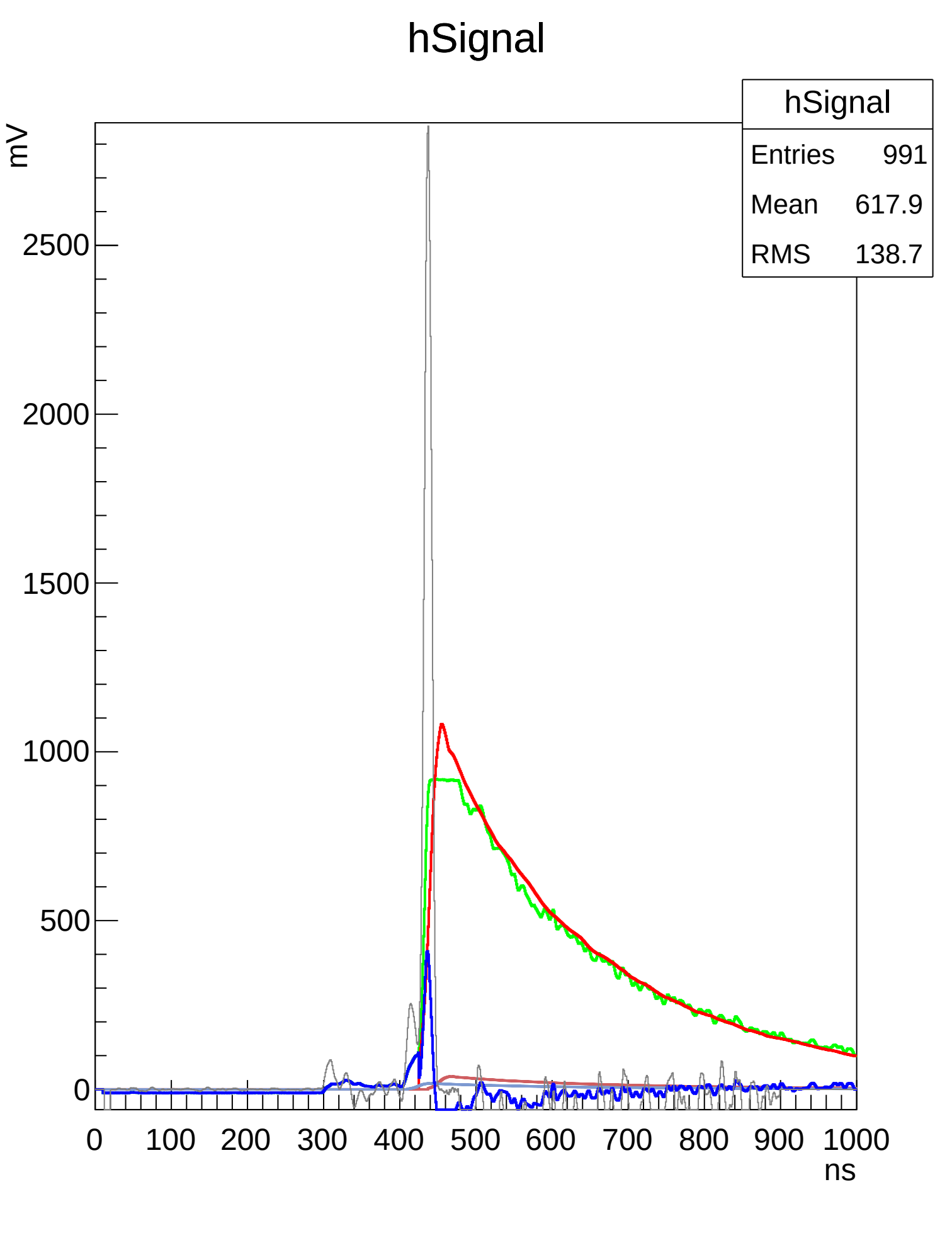

hSignal
hSignal
Entries 991
Mean 596.5
RMS 158.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

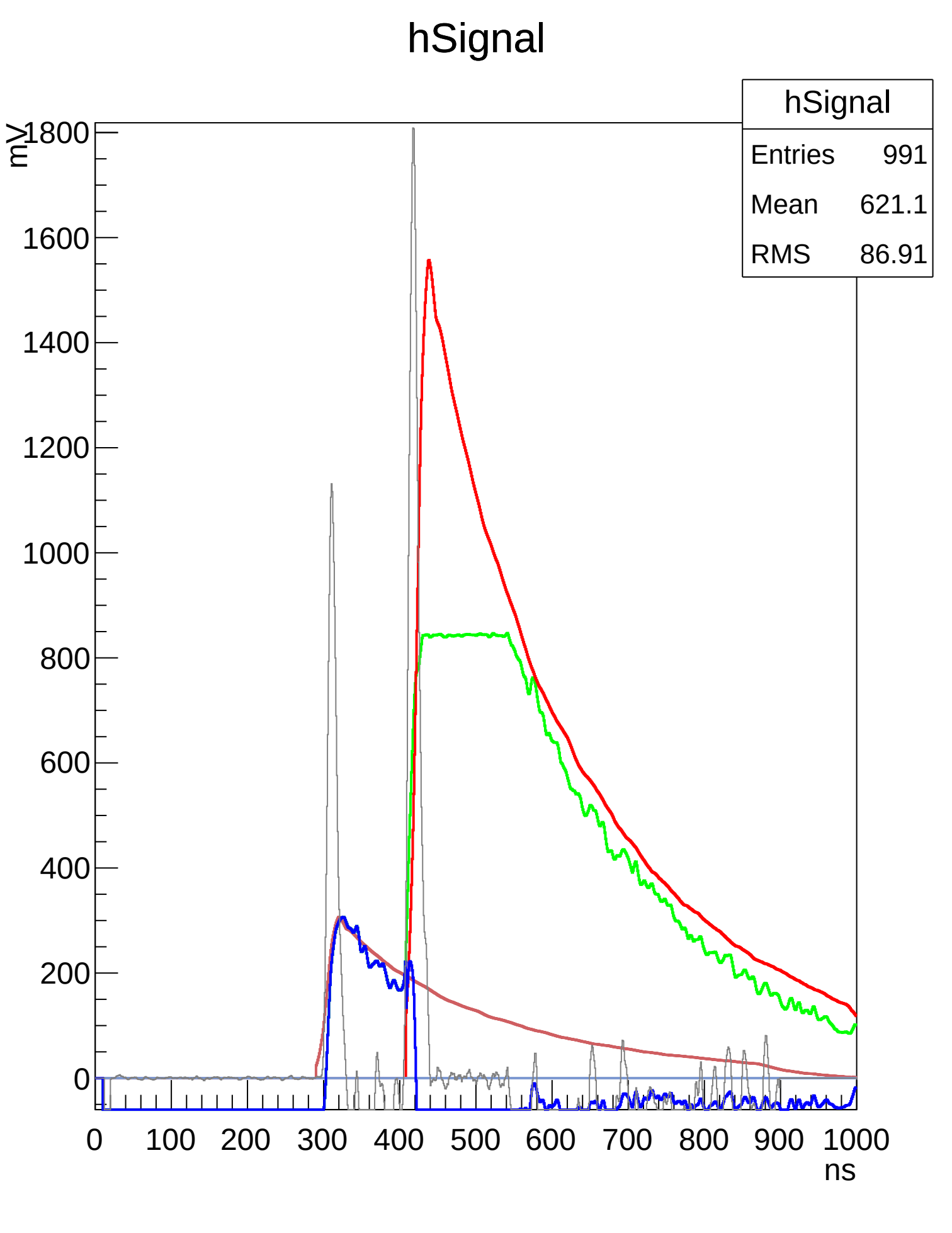

hSignal
hSignal
Entries 991
Mean 573
RMS 155.6
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

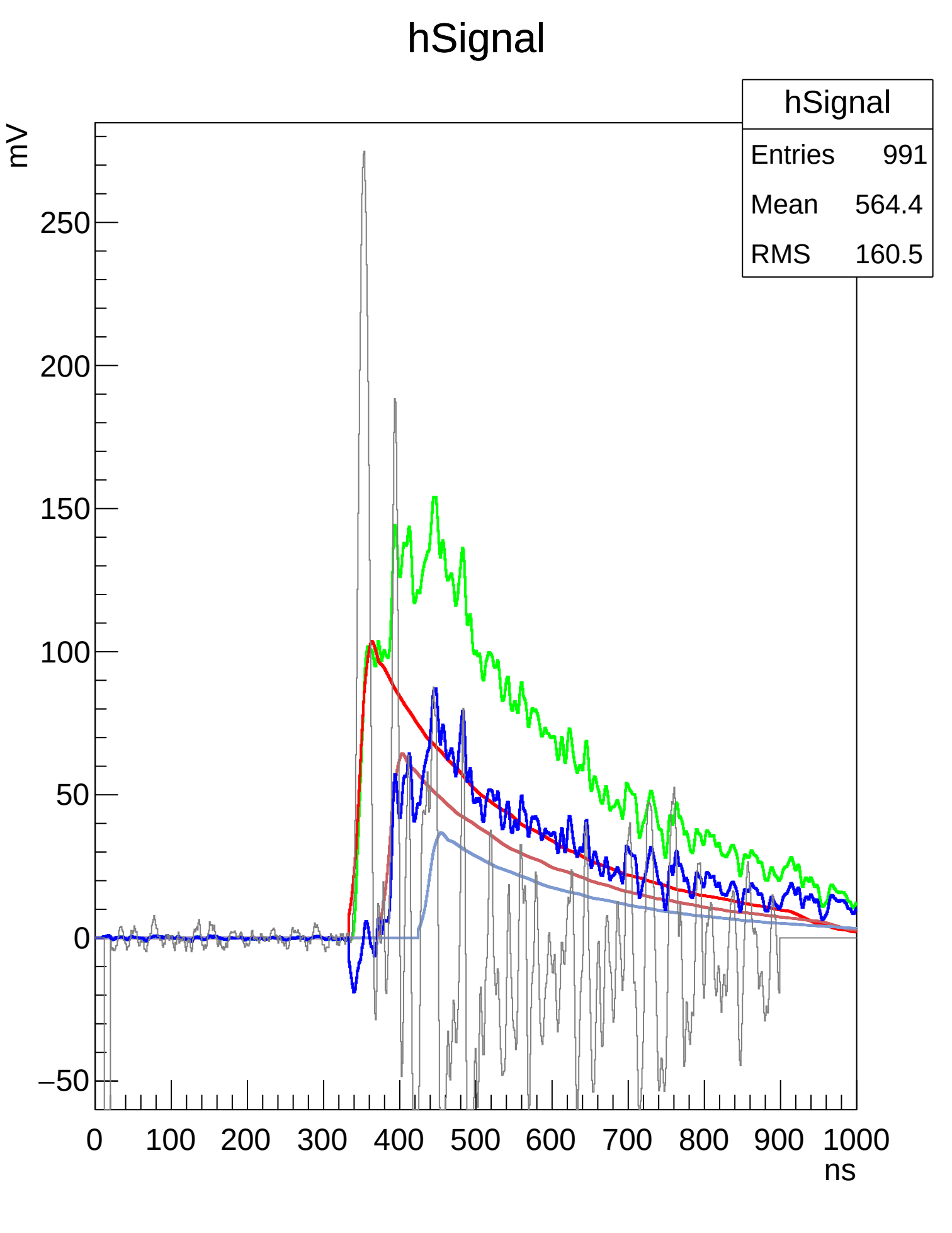

hSignal
hSignal
Entries 991
Mean 596.5
RMS 152.3
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

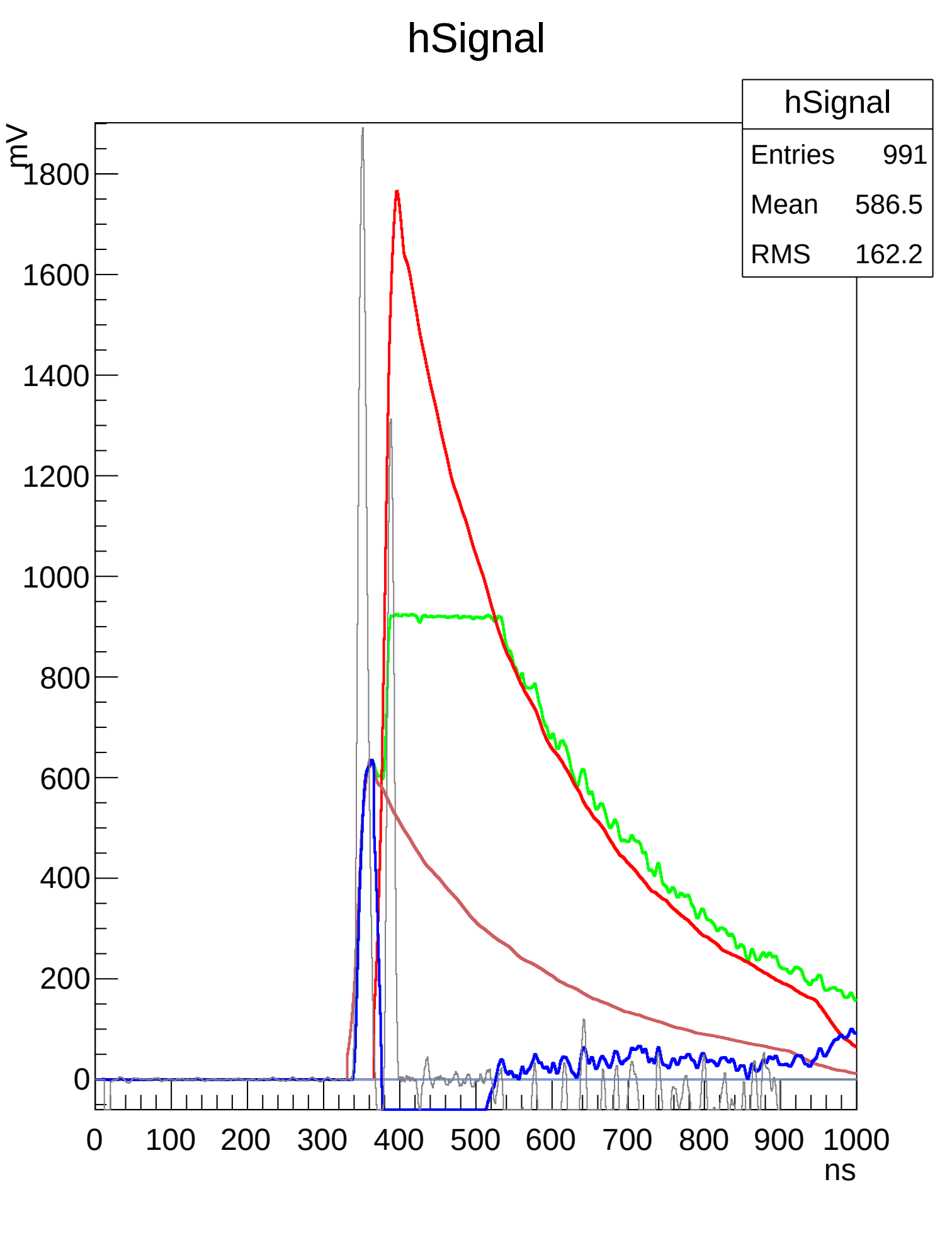

hSignal
hSignal
Entries 991
Mean 584.6
RMS 162.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

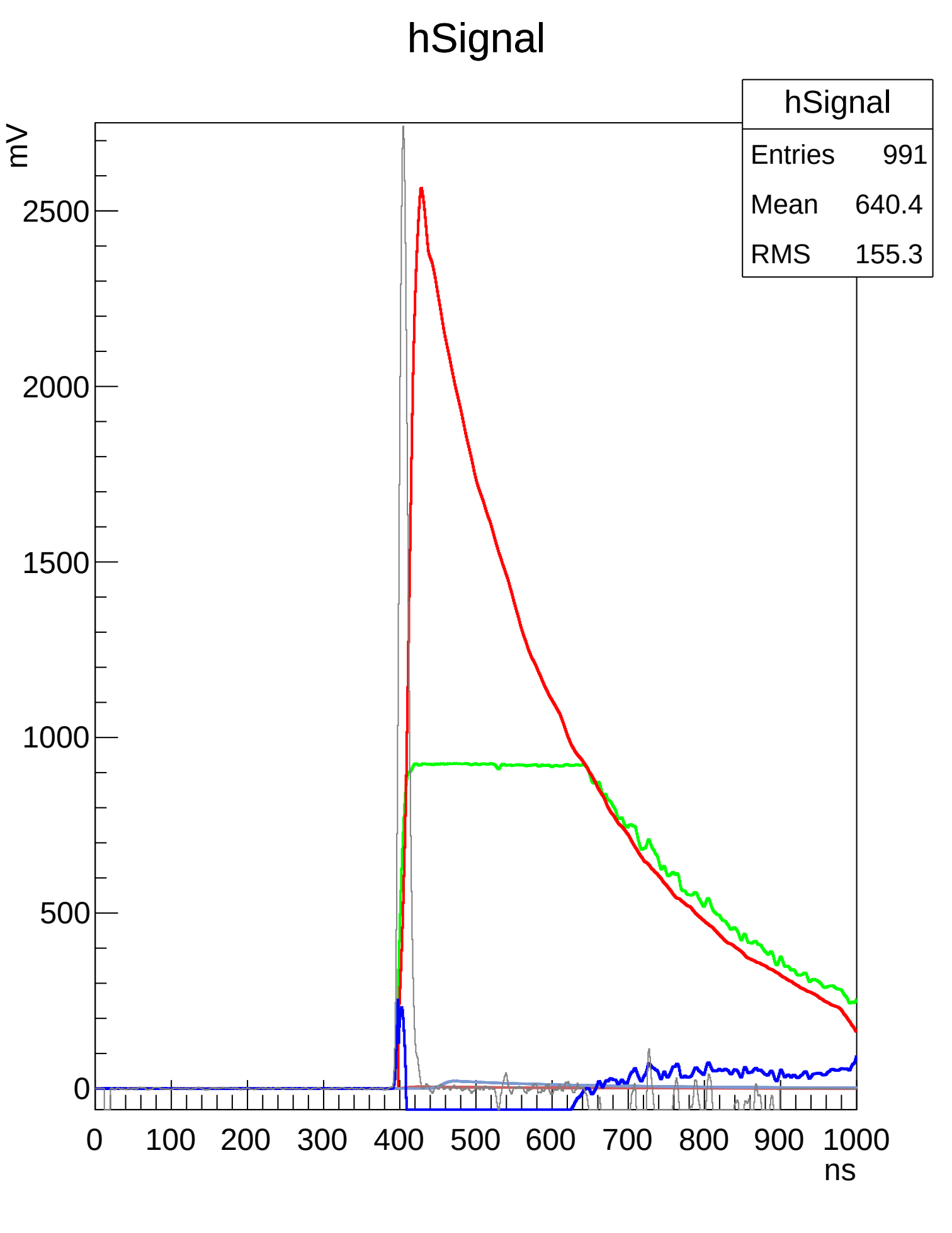

hSignal
hSignal
Entries 991
Mean 542.5
RMS 164.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

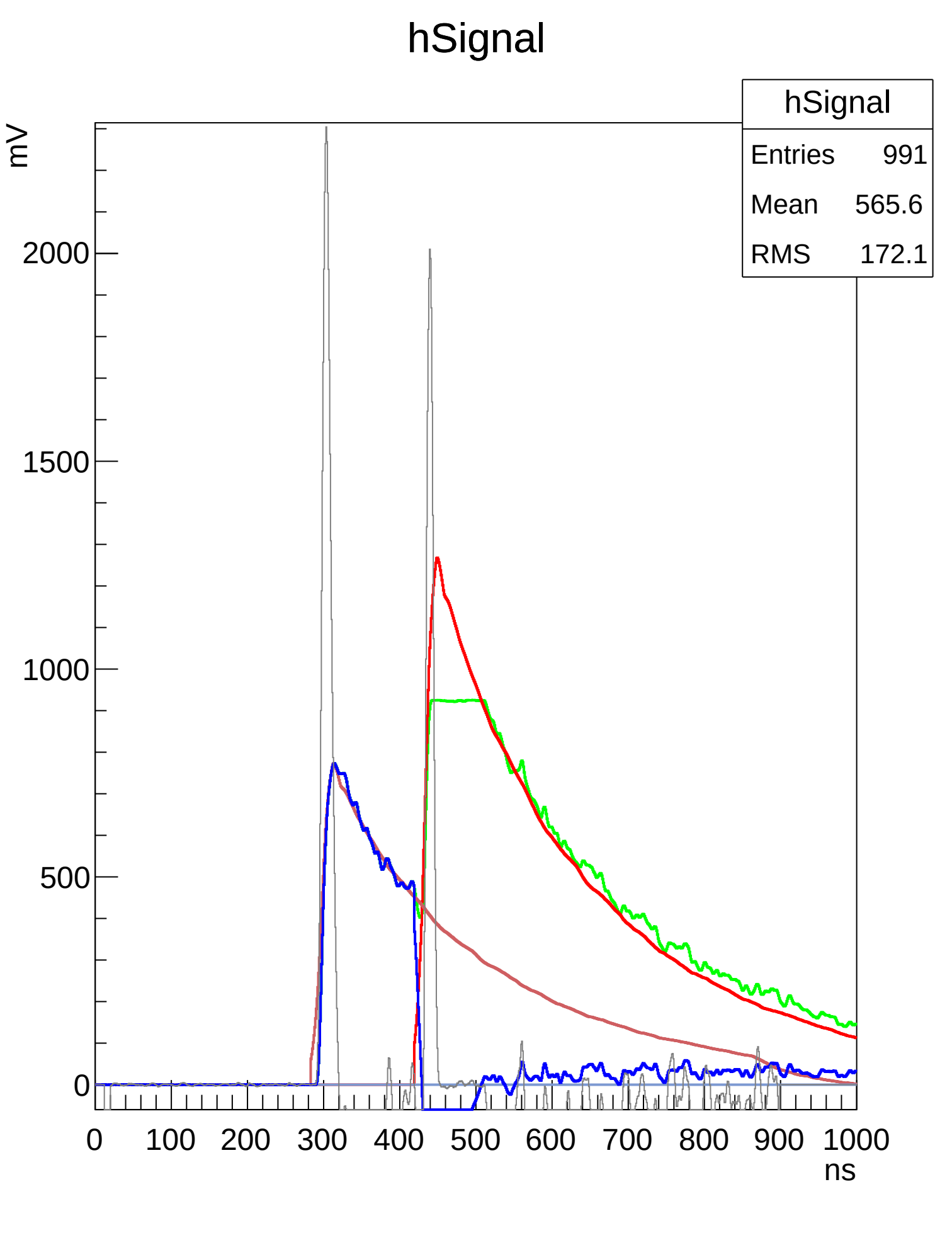

hSignal
hSignal
Entries 991
Mean 617.9
RMS 138.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

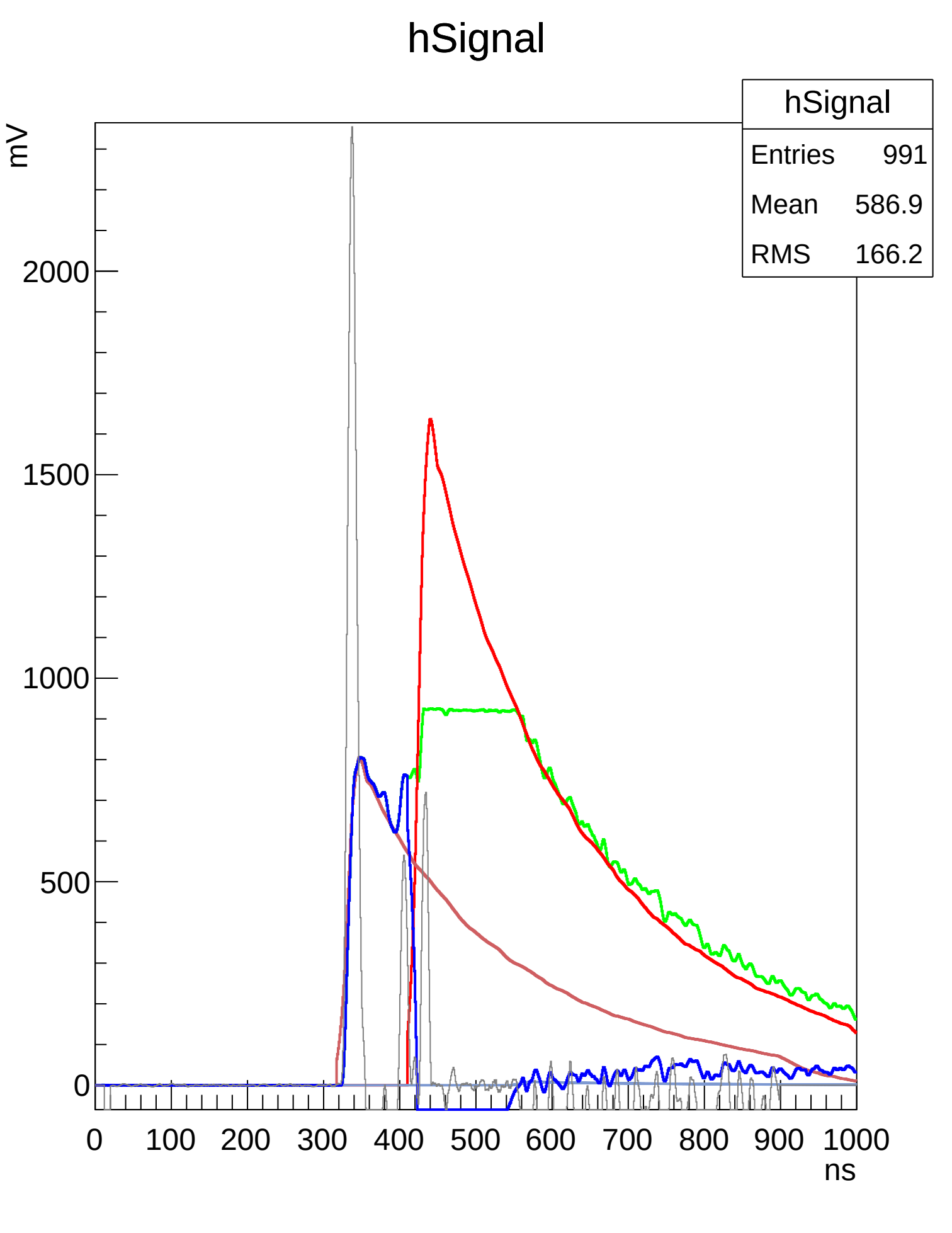

hSignal
hSignal
Entries 991
Mean 621.1
RMS 86.91
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

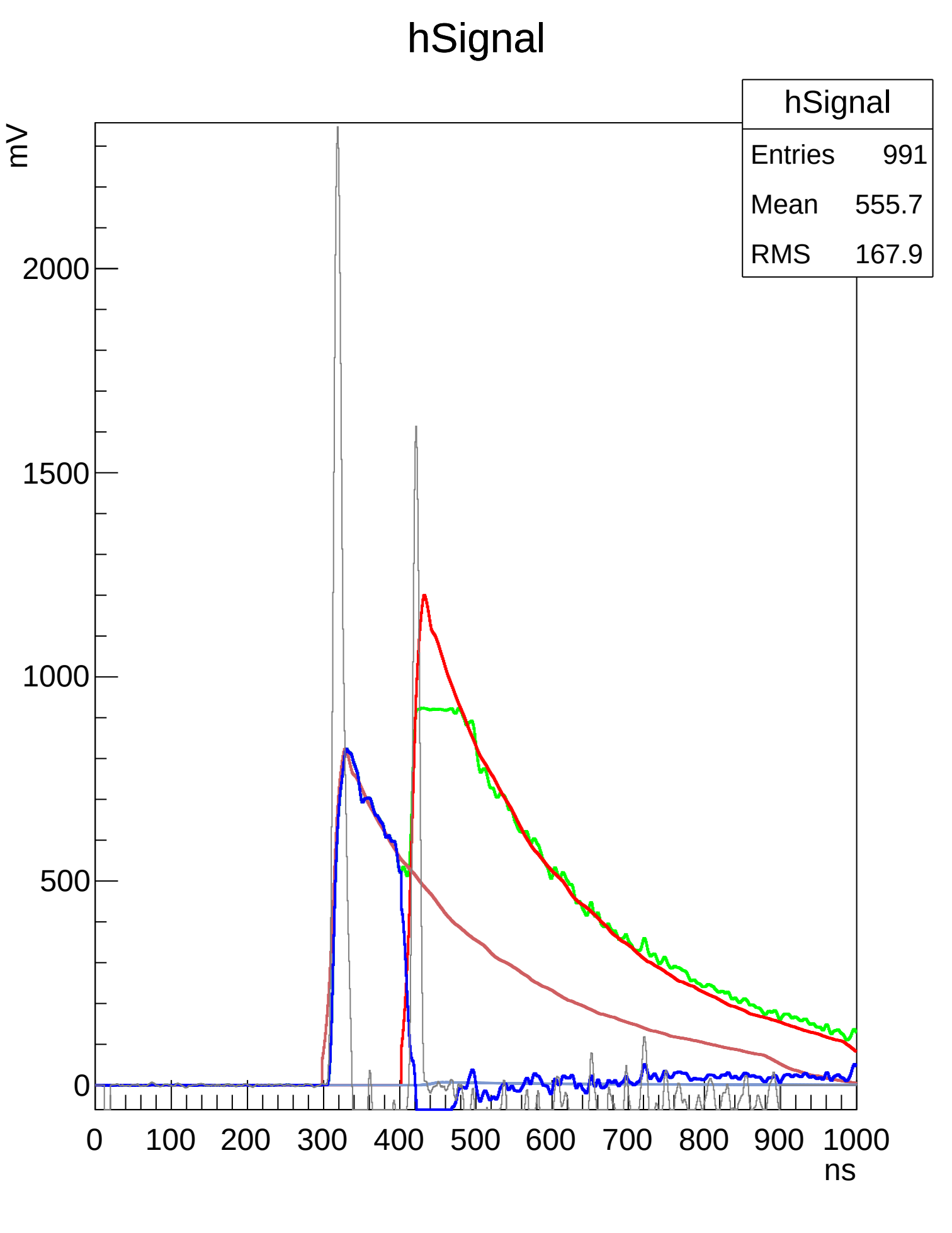

hSignal
hSignal
Entries 991
Mean 564.4
RMS 160.5
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

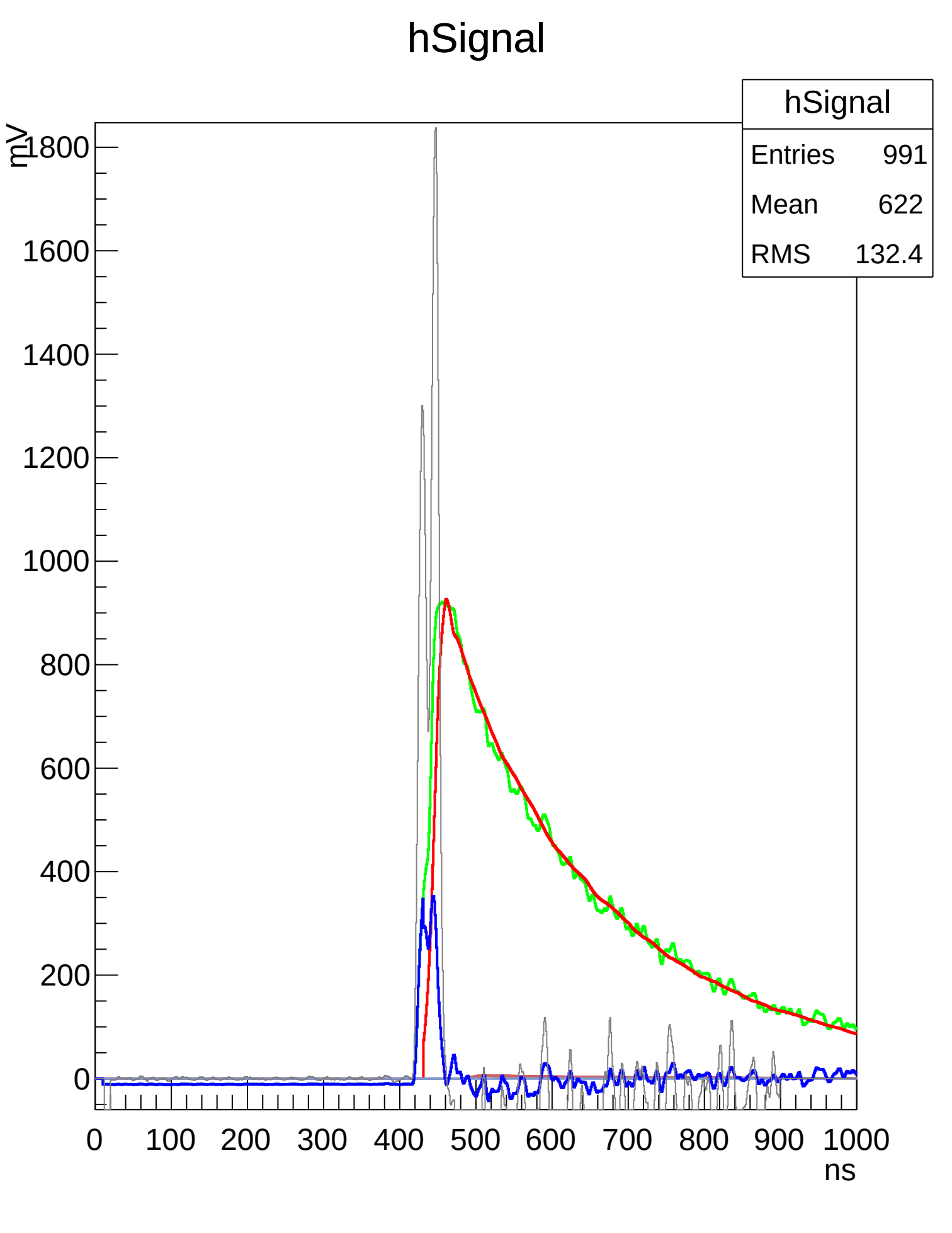

hSignal
hSignal
Entries 991
Mean 586.5
RMS 162.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

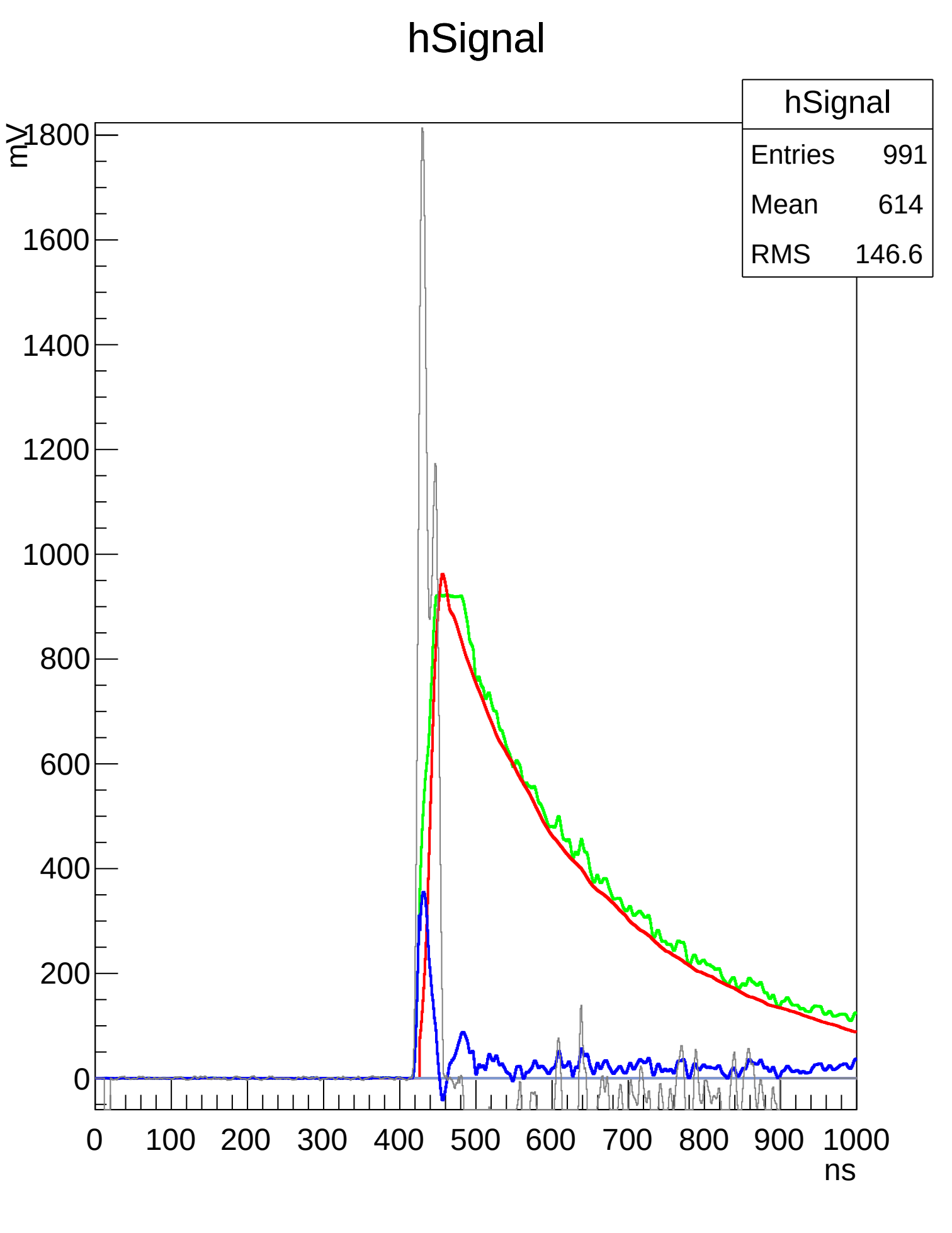

hSignal
hSignal
Entries 991
Mean 640.4
RMS 155.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

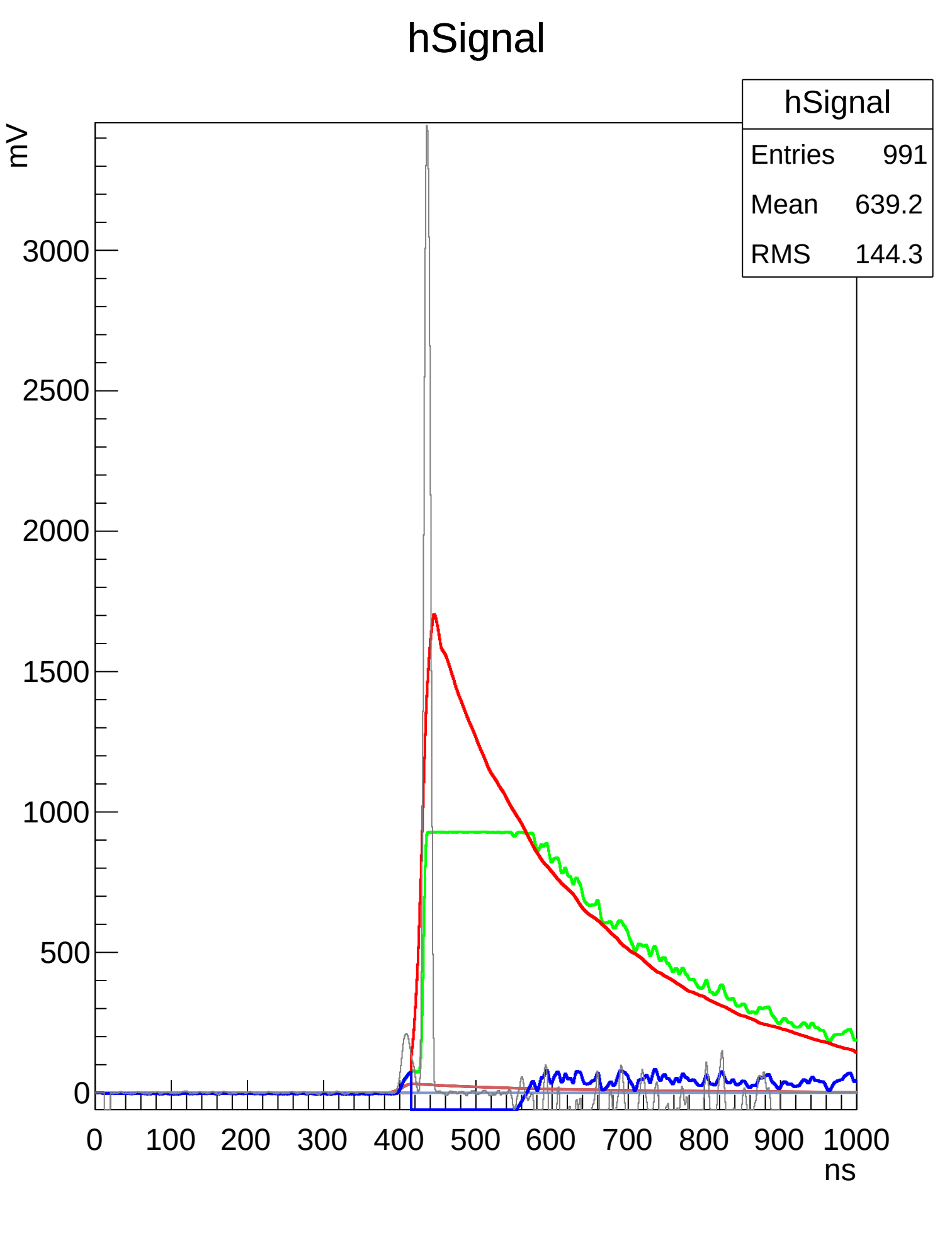

hSignal
hSignal
Entries 991
Mean 565.6
RMS 172.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

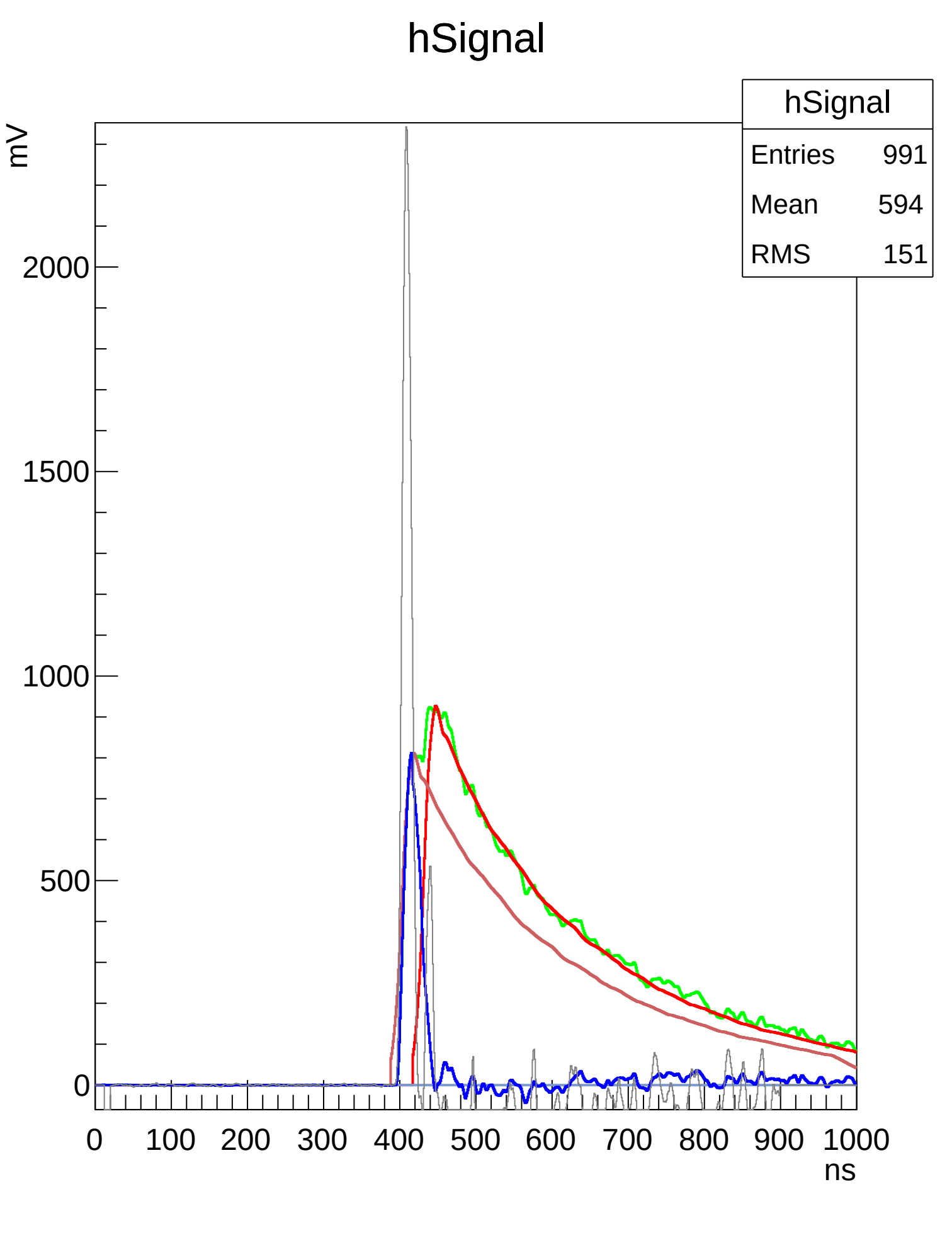

hSignal
hSignal
Entries 991
Mean 586.9
RMS 166.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

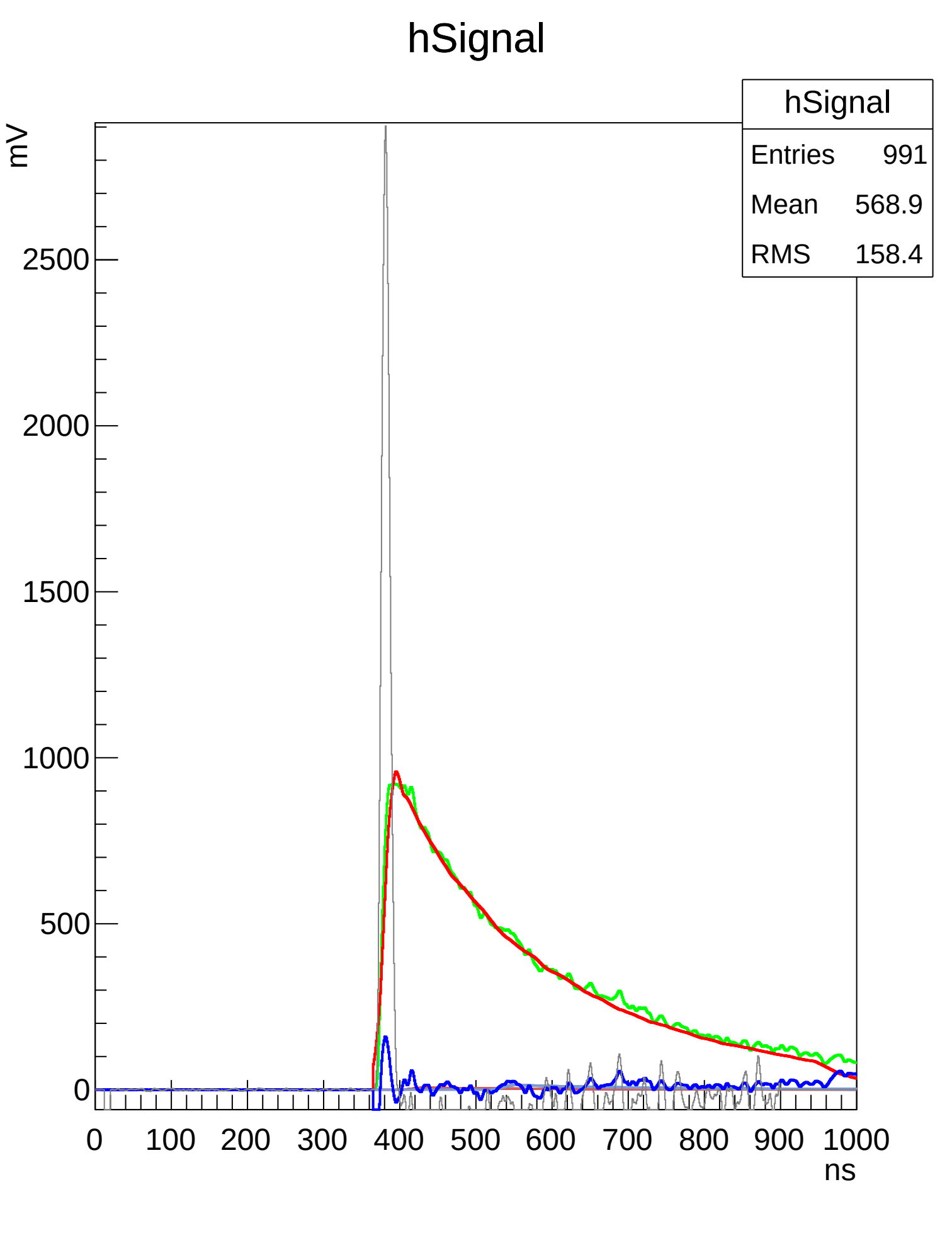

hSignal
hSignal
Entries 991
Mean 555.7
RMS 167.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

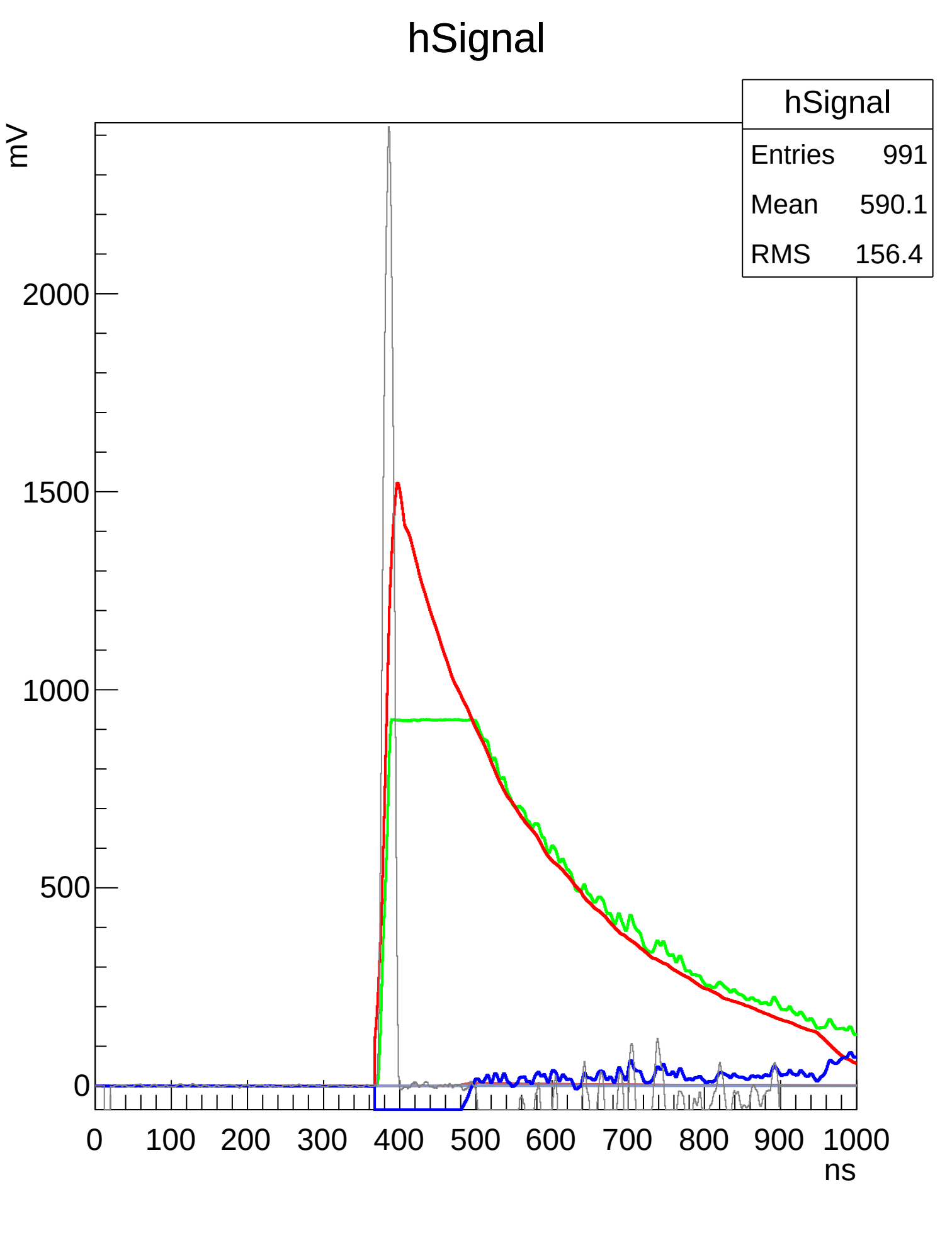

hSignal
hSignal
Entries 991
Mean 622
RMS 132.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

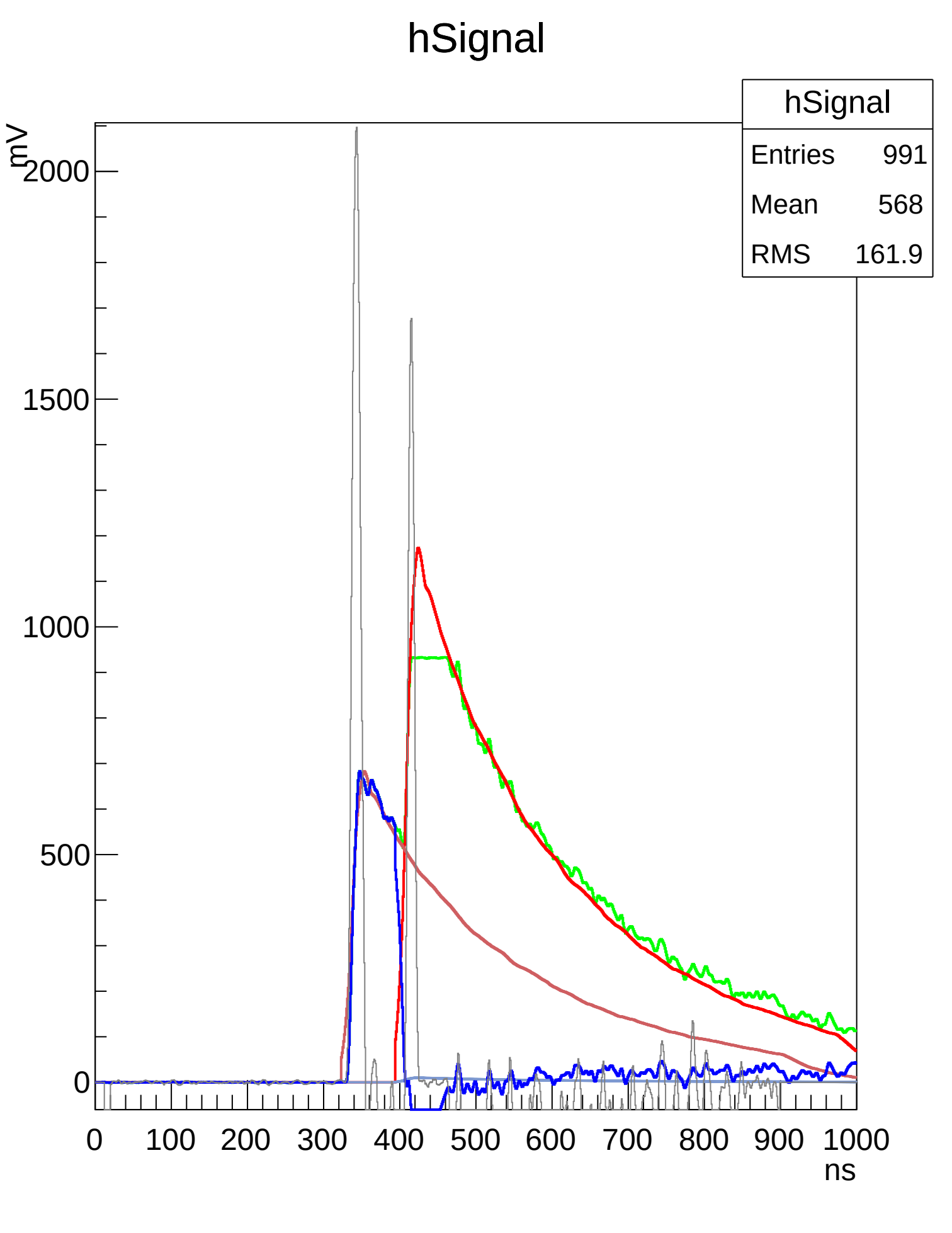

hSignal
hSignal
Entries 991
Mean 614
RMS 146.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

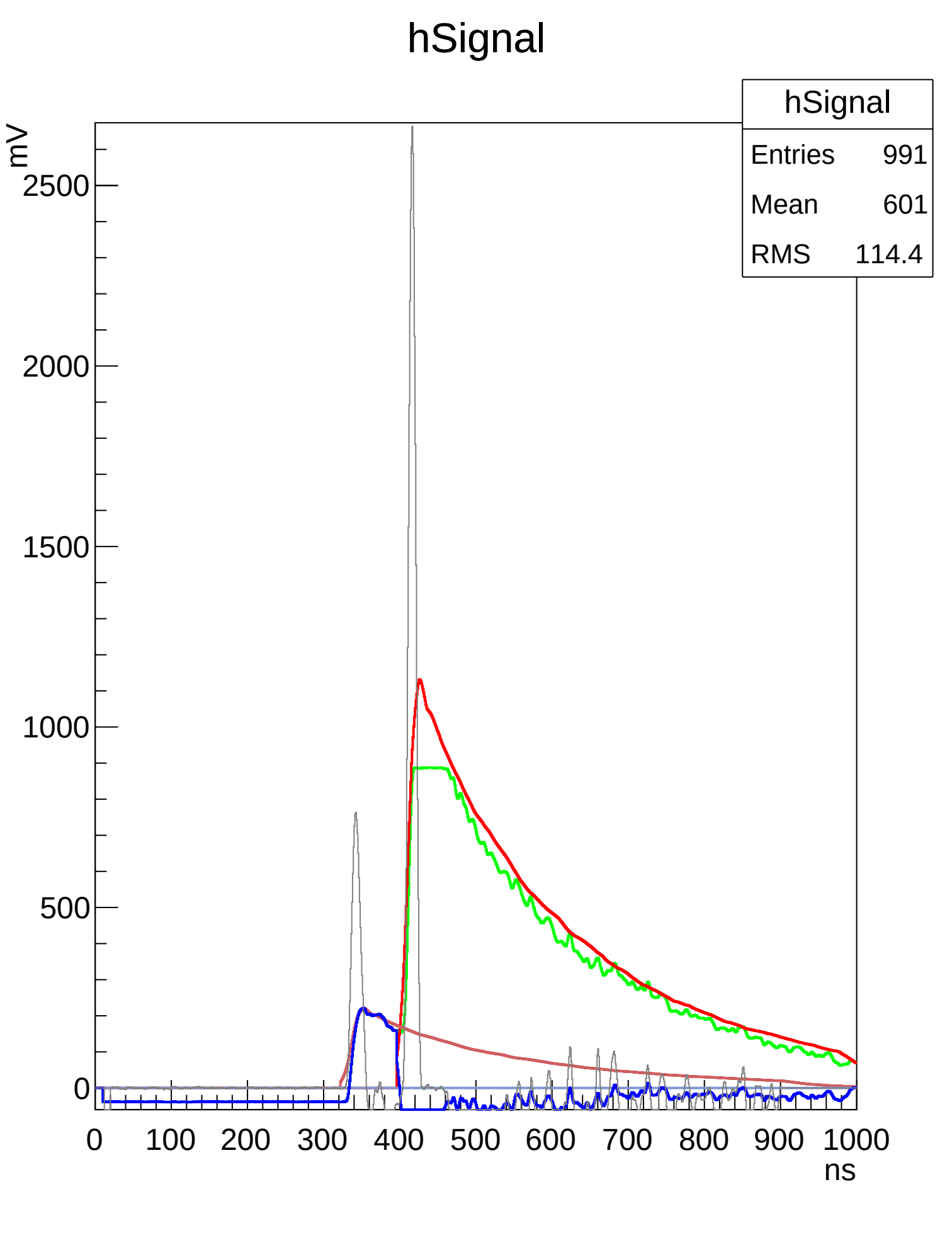

hSignal
hSignal
Entries 991
Mean 639.2
RMS 144.3
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

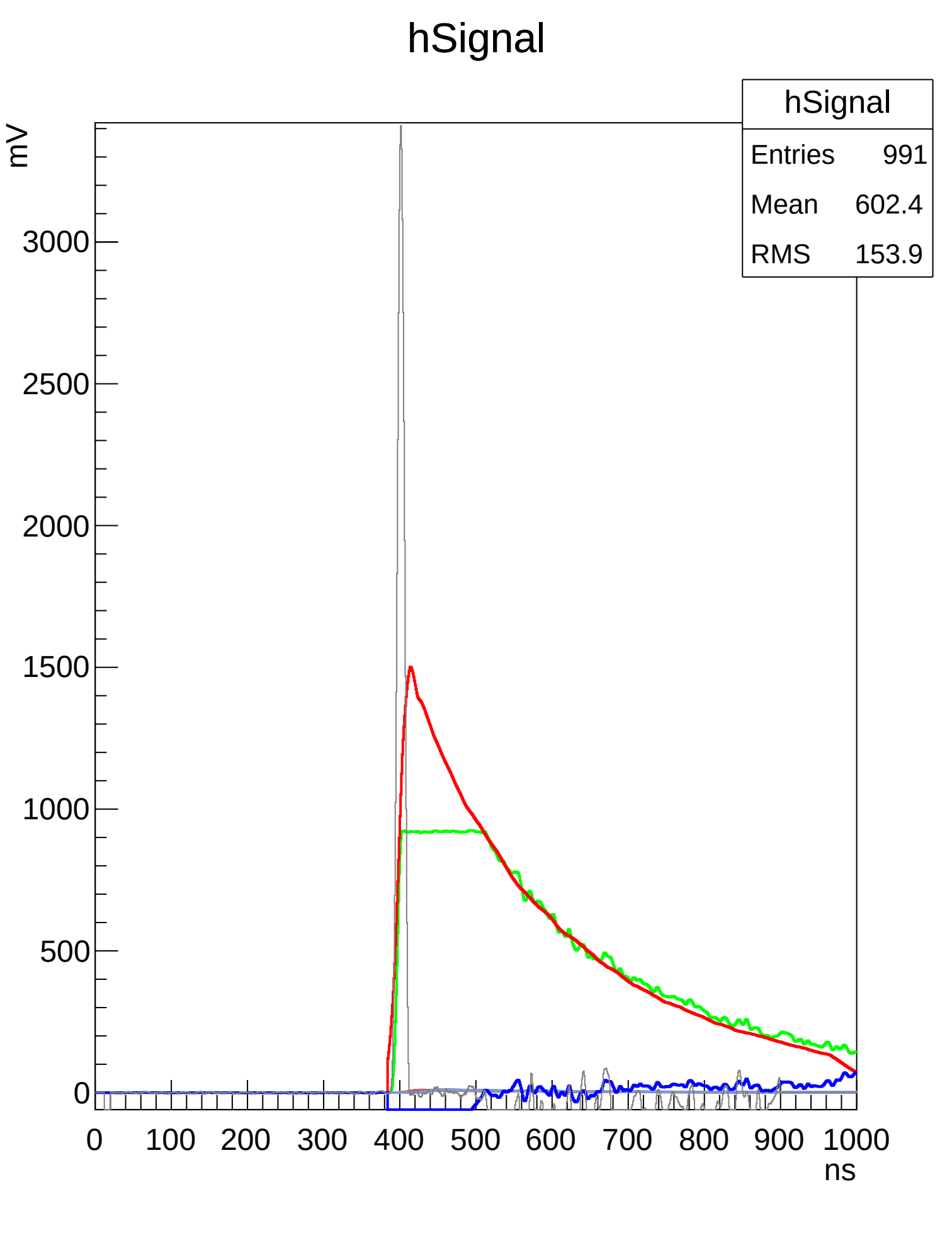

hSignal
hSignal
Entries 991
Mean 594
RMS 151
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

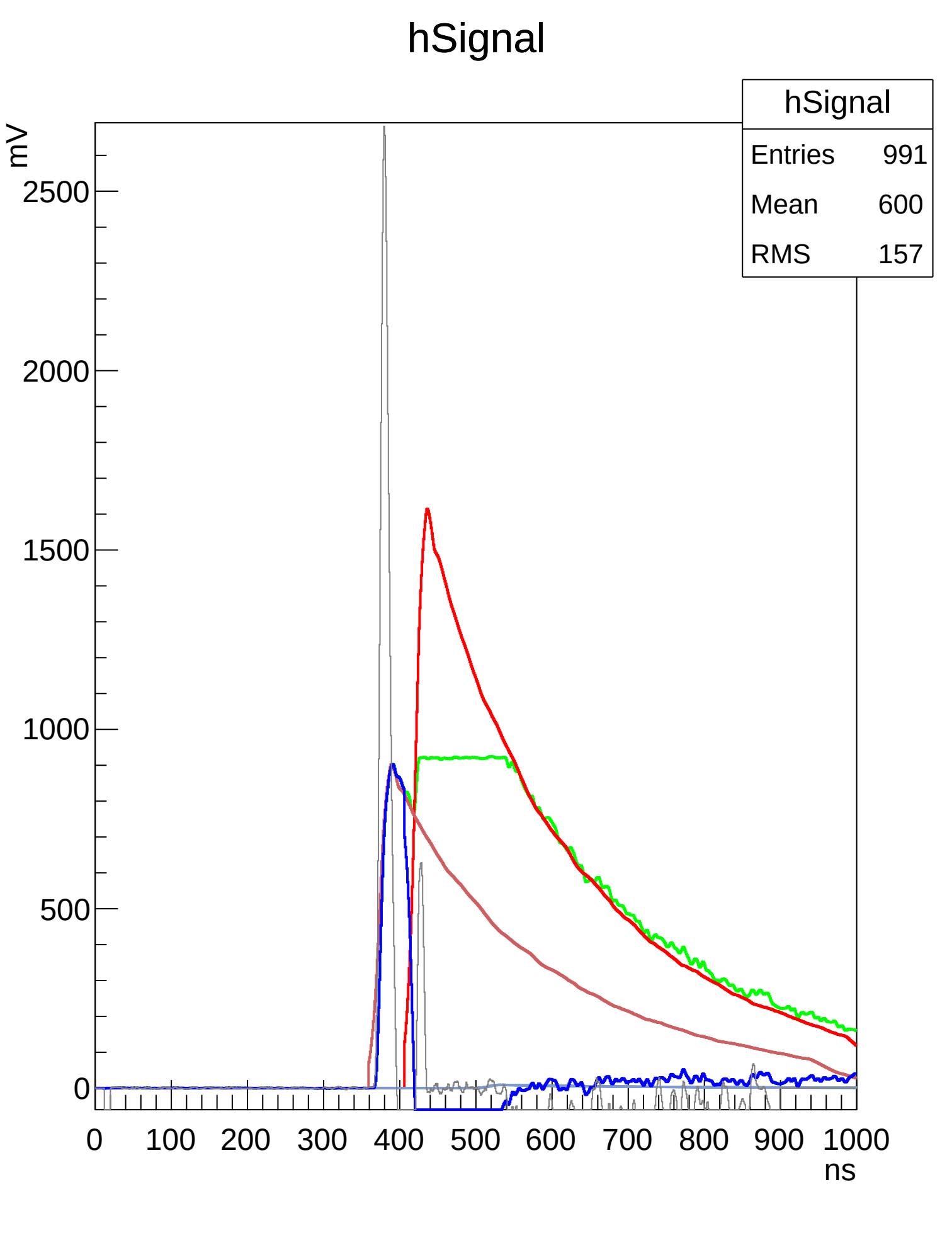

hSignal
hSignal
Entries 991
Mean 568.9
RMS 158.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

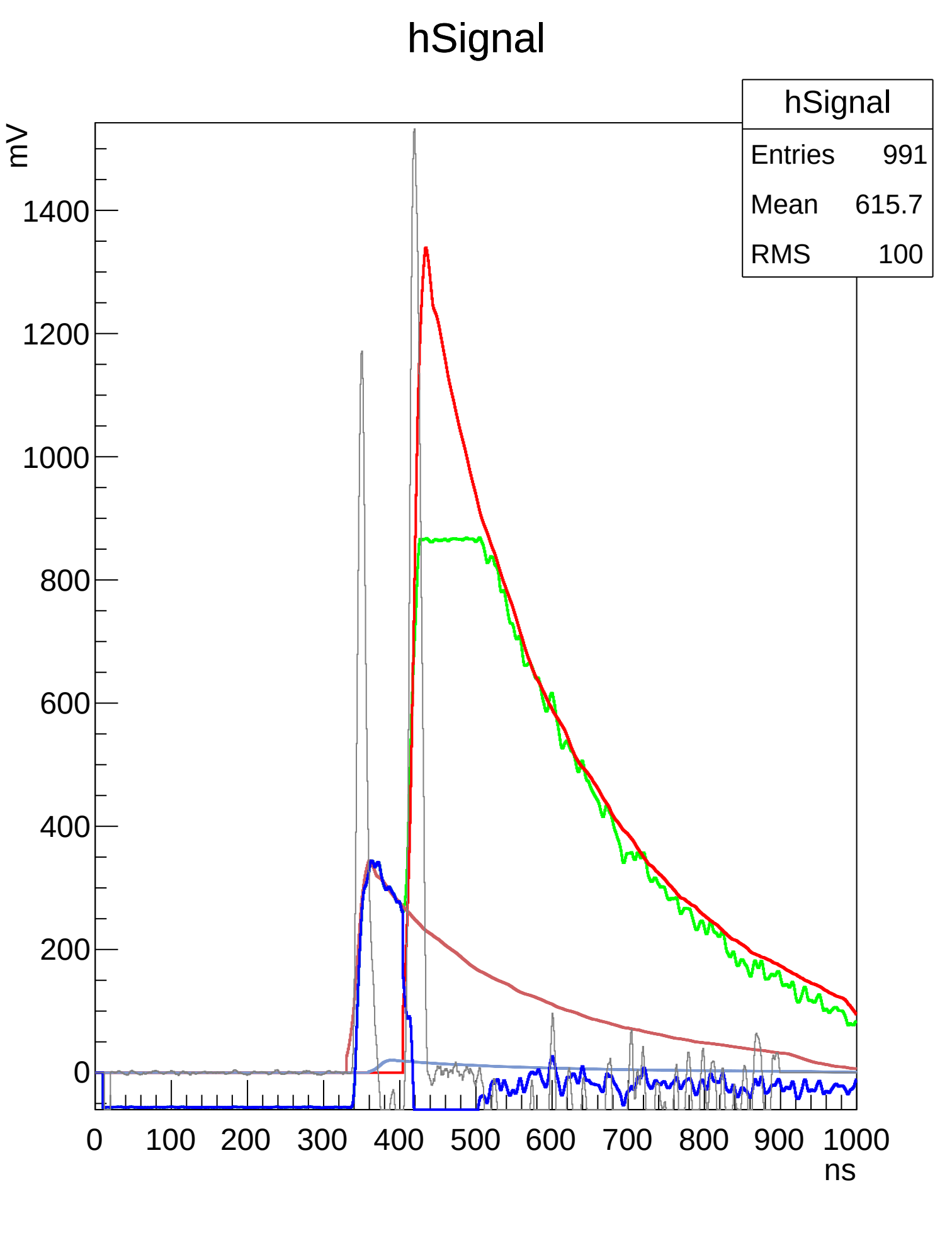

hSignal
hSignal
Entries 991
Mean 590.1
RMS 156.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

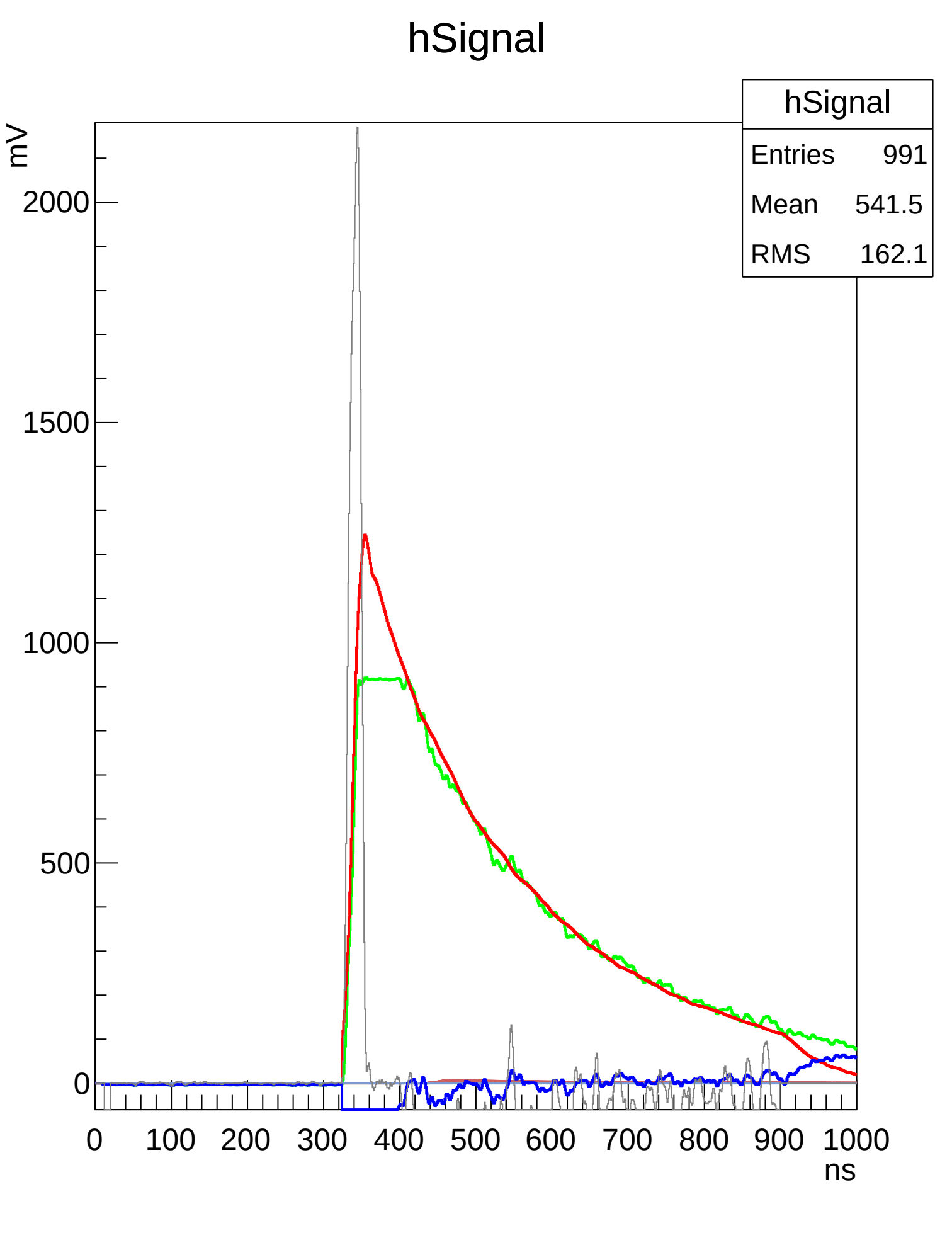

hSignal
hSignal
Entries 991
Mean 568
RMS 161.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

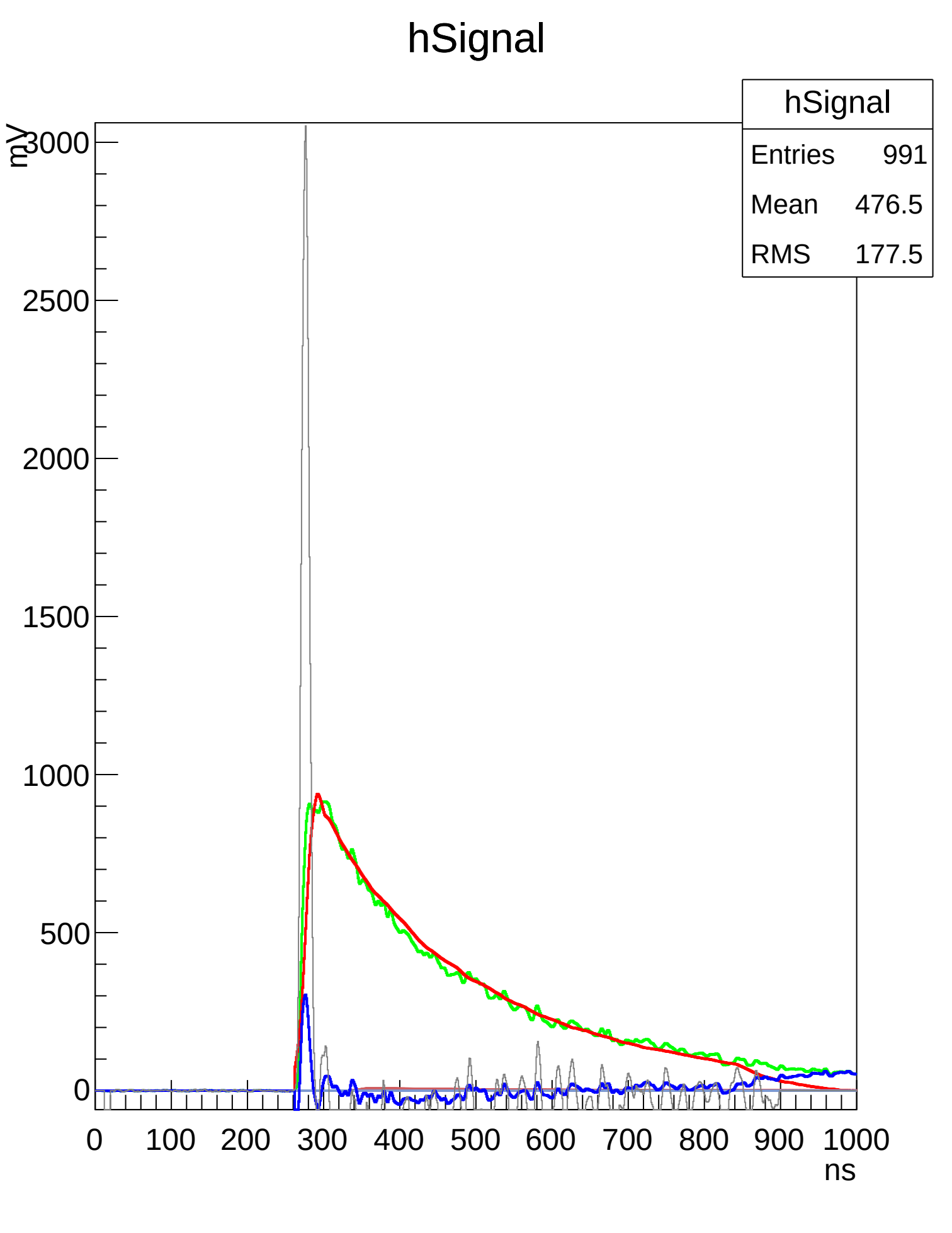

hSignal
hSignal
Entries 991
Mean 601
RMS 114.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

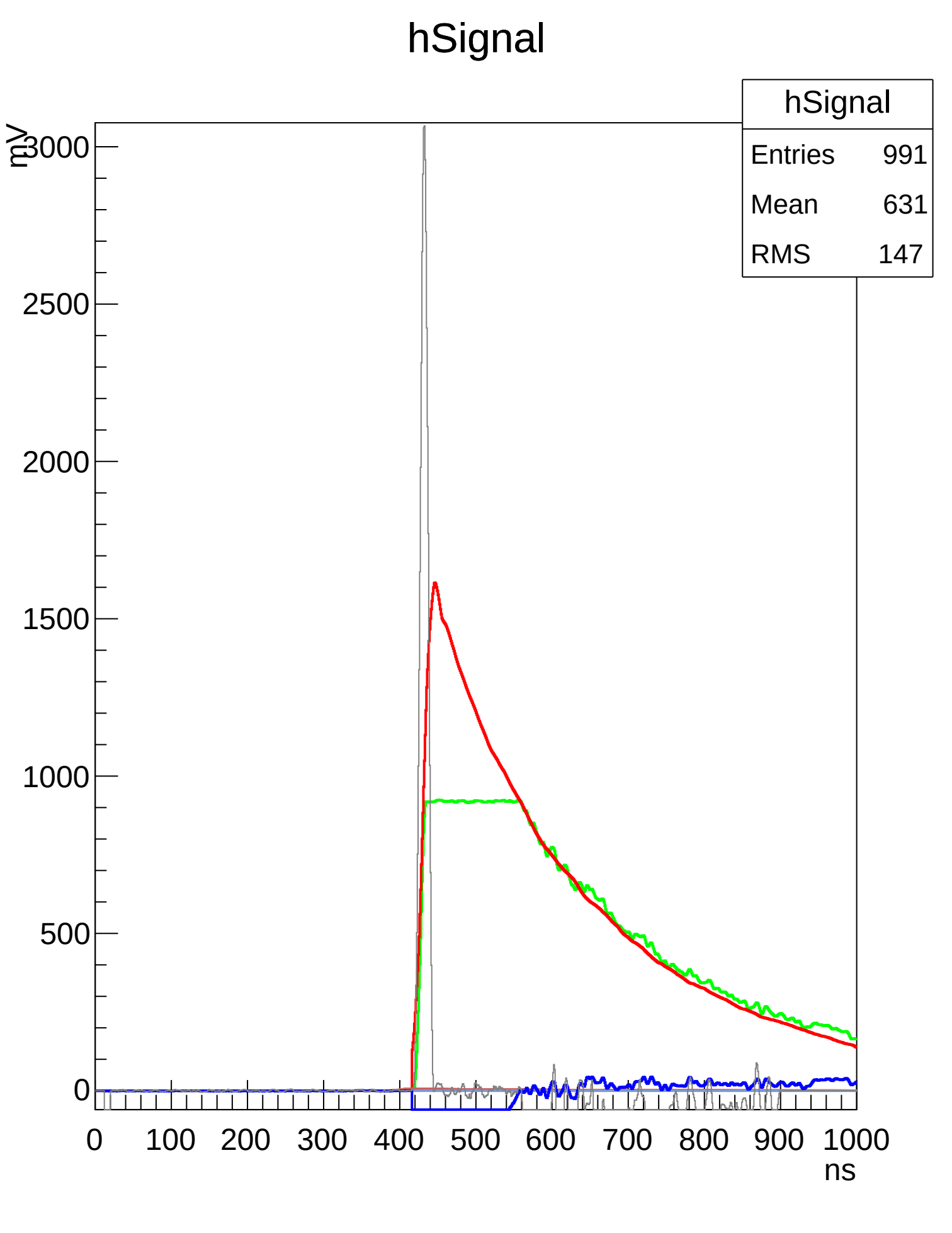

hSignal
hSignal
Entries 991
Mean 602.4
RMS 153.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

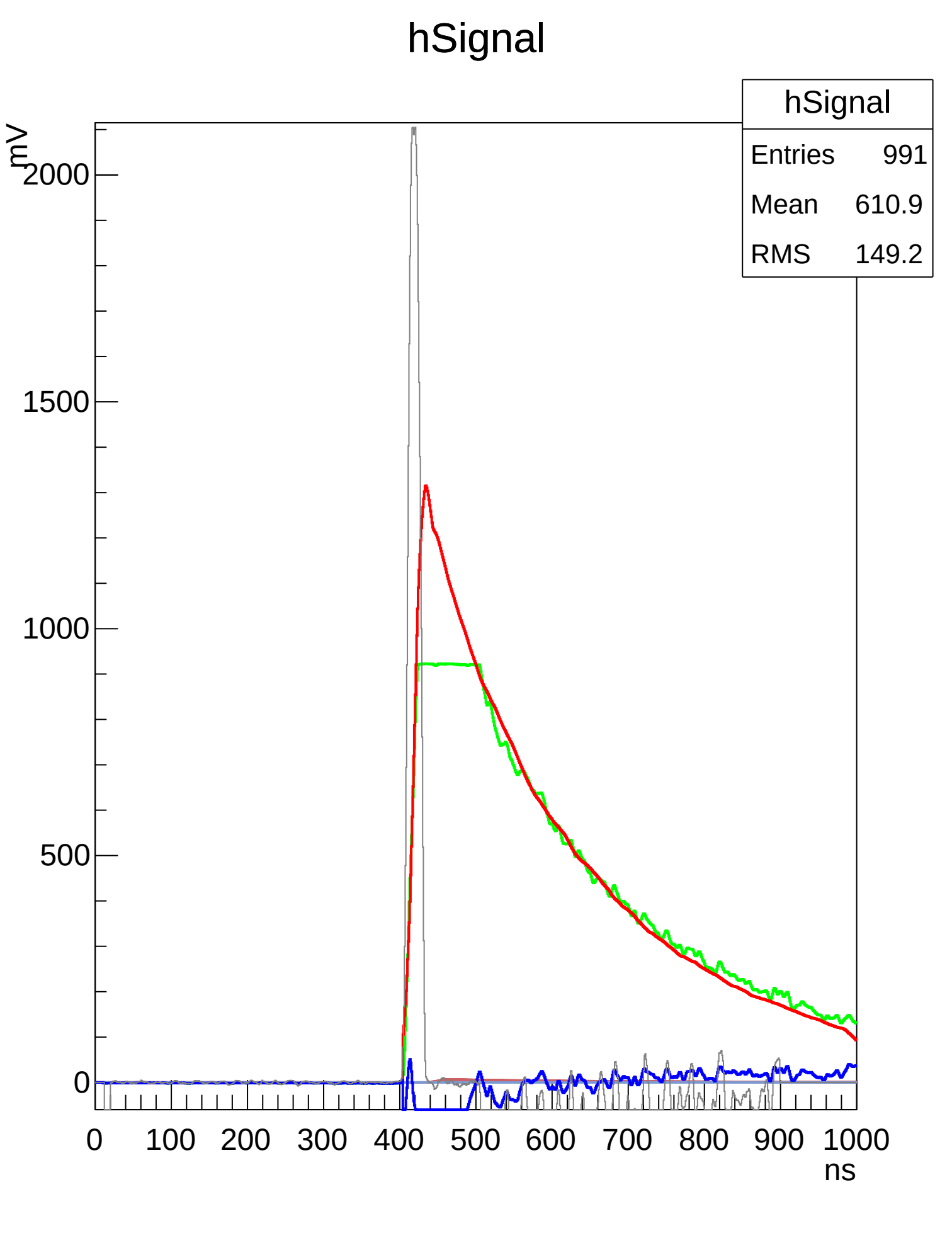

hSignal
hSignal
Entries 991
Mean 600
RMS 157
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

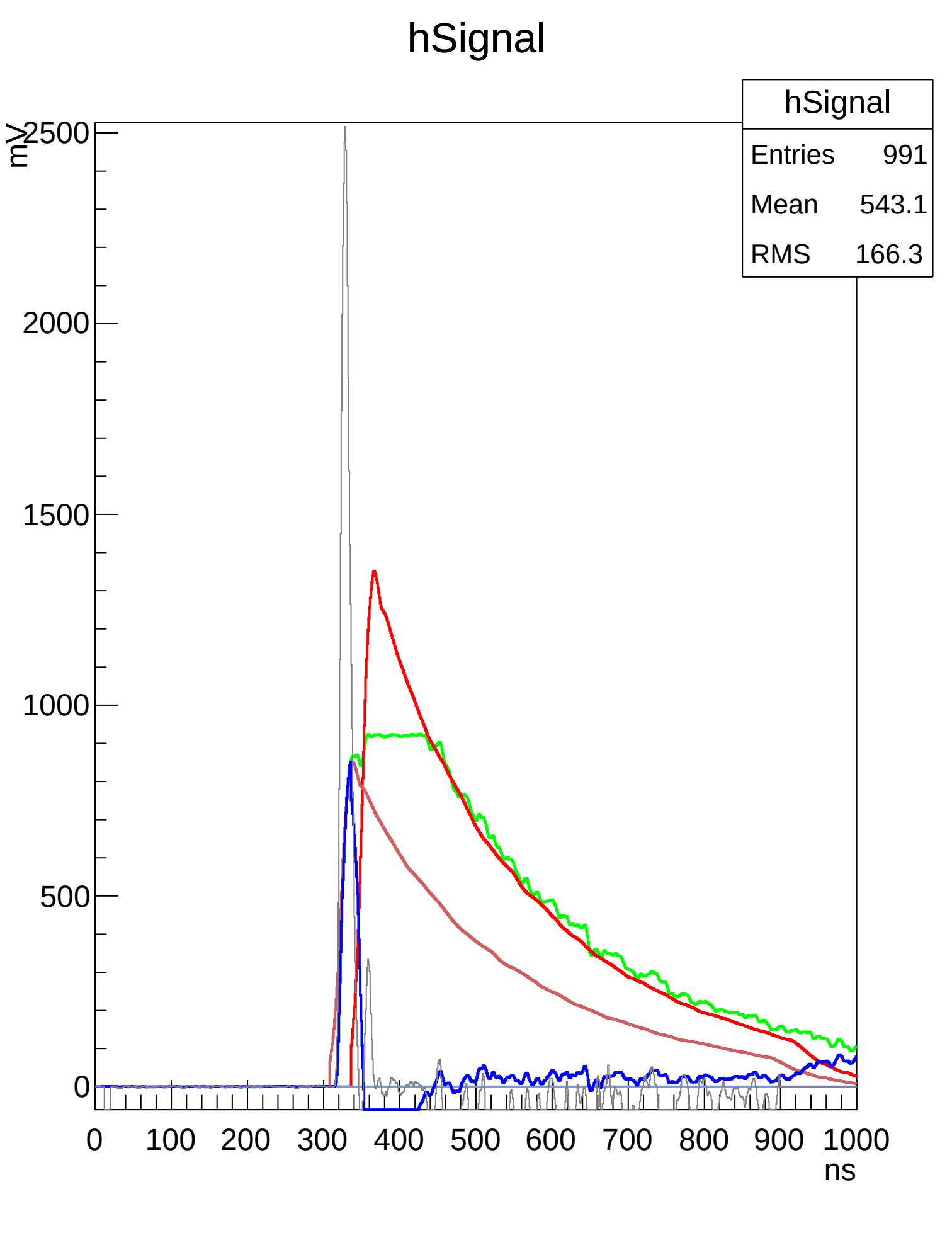

hSignal
hSignal
Entries 991
Mean 615.7
RMS 100
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

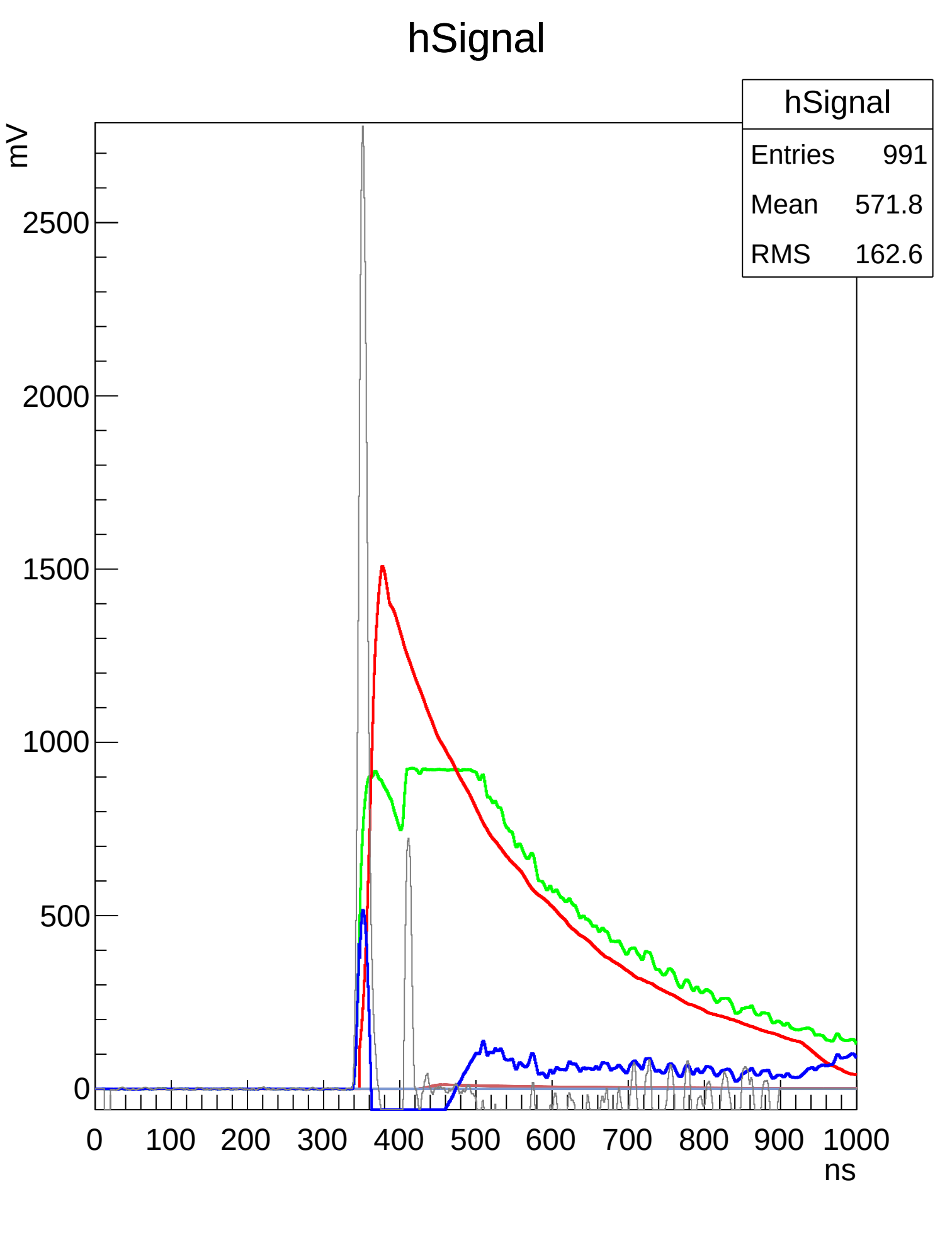

hSignal
hSignal
Entries 991
Mean 541.5
RMS 162.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

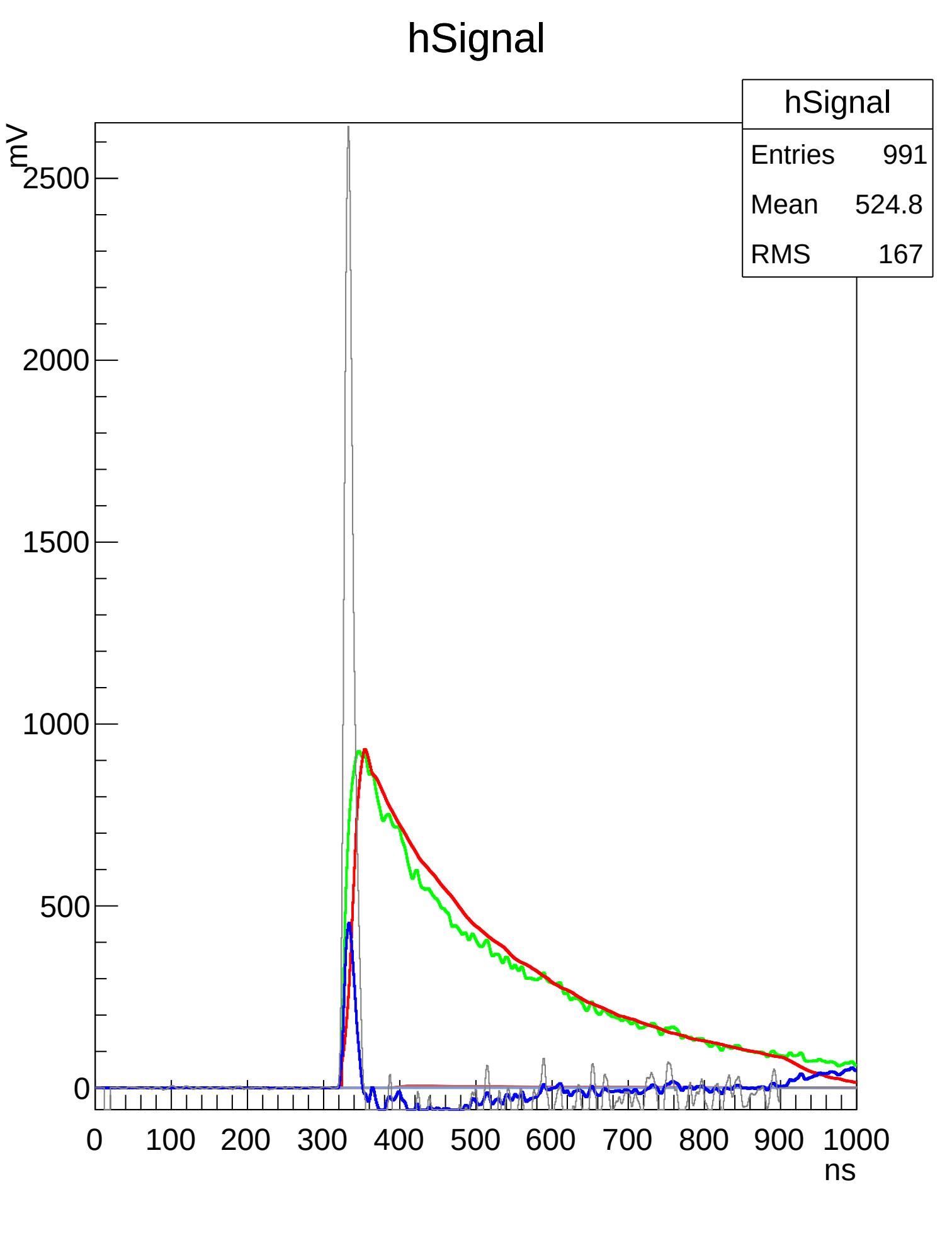

hSignal
hSignal
Entries 991
Mean 476.5
RMS 177.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

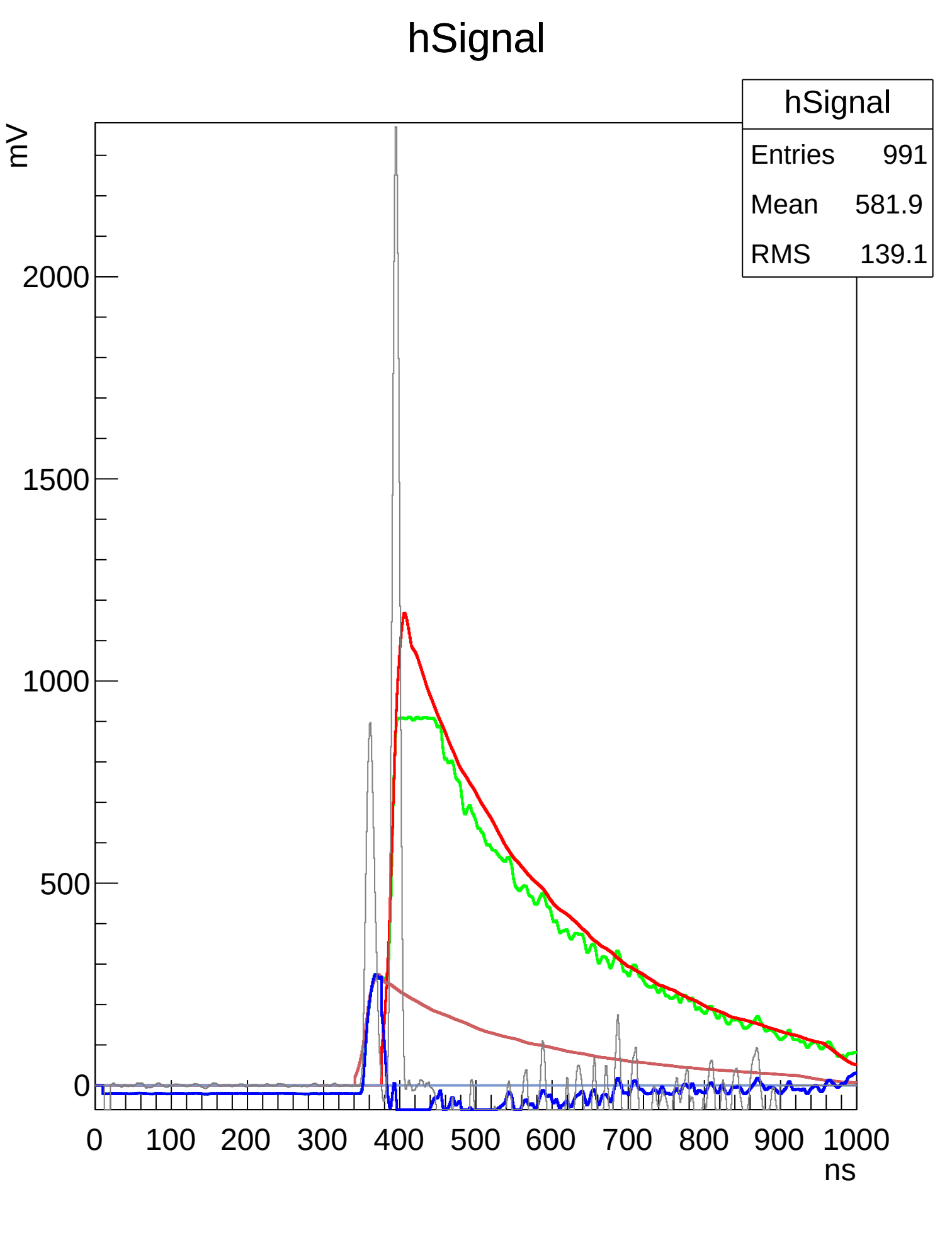

hSignal
hSignal
Entries 991
Mean 631
RMS 147
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

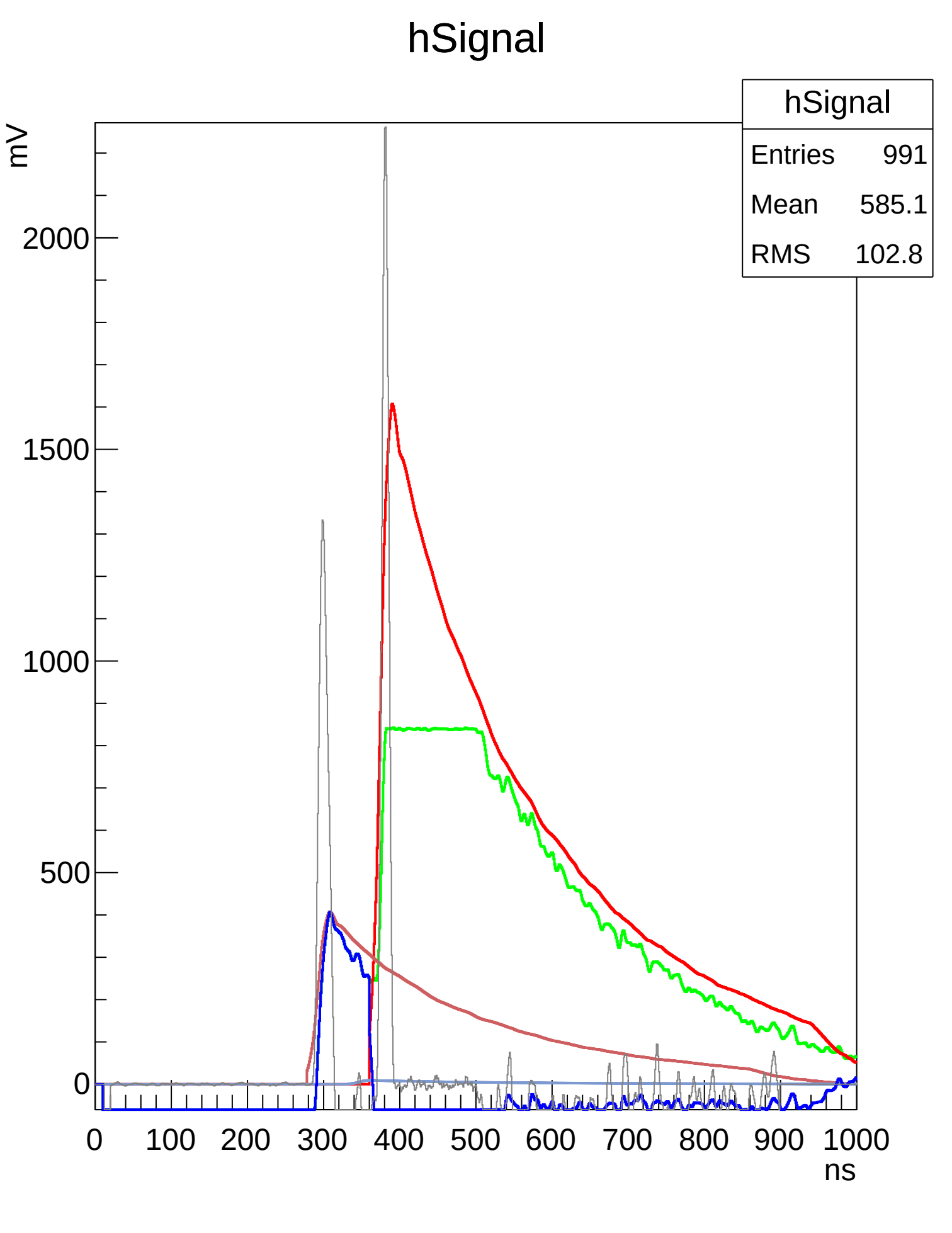

hSignal
hSignal
Entries 991
Mean 610.9
RMS 149.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

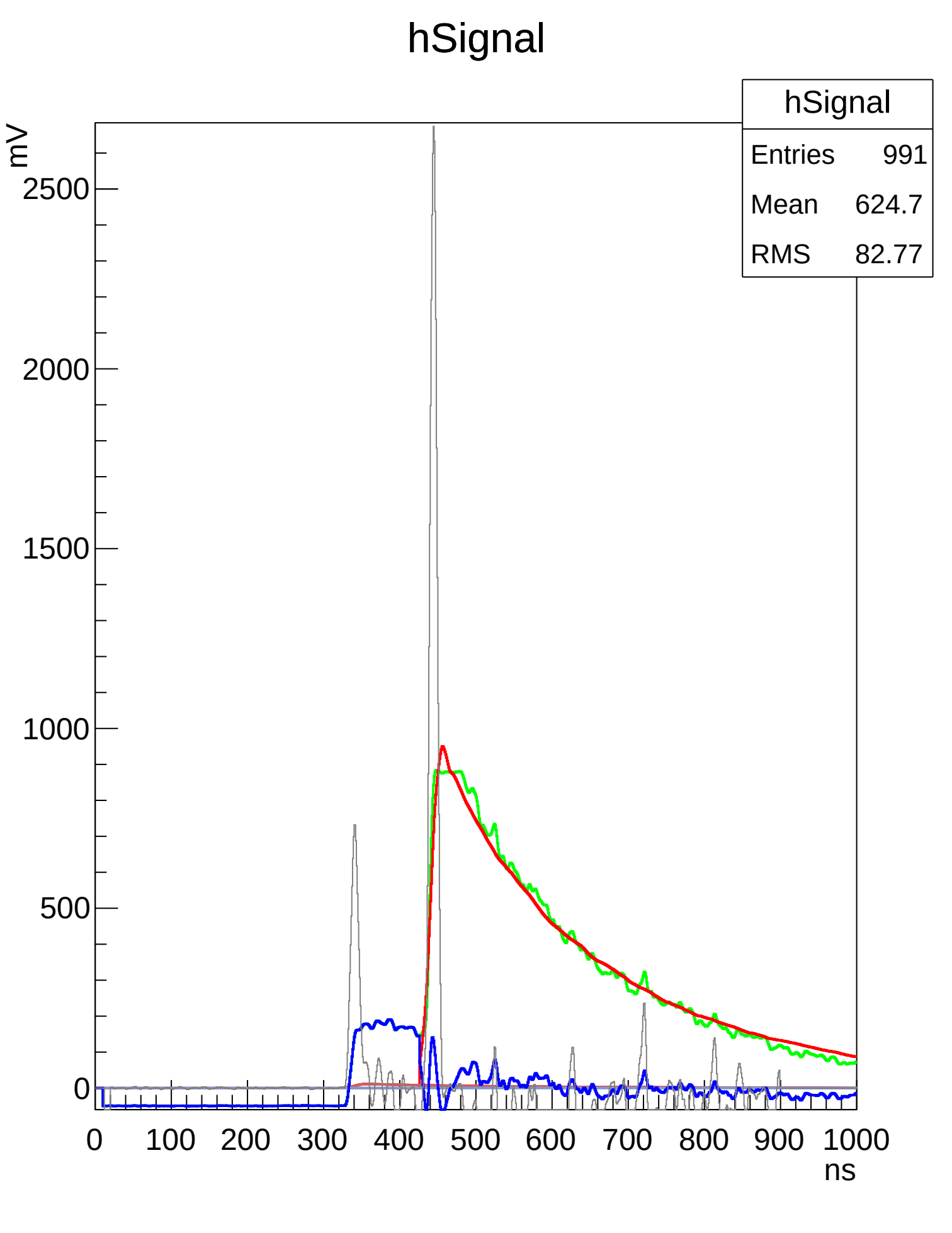

hSignal
hSignal
Entries 991
Mean 543.1
RMS 166.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

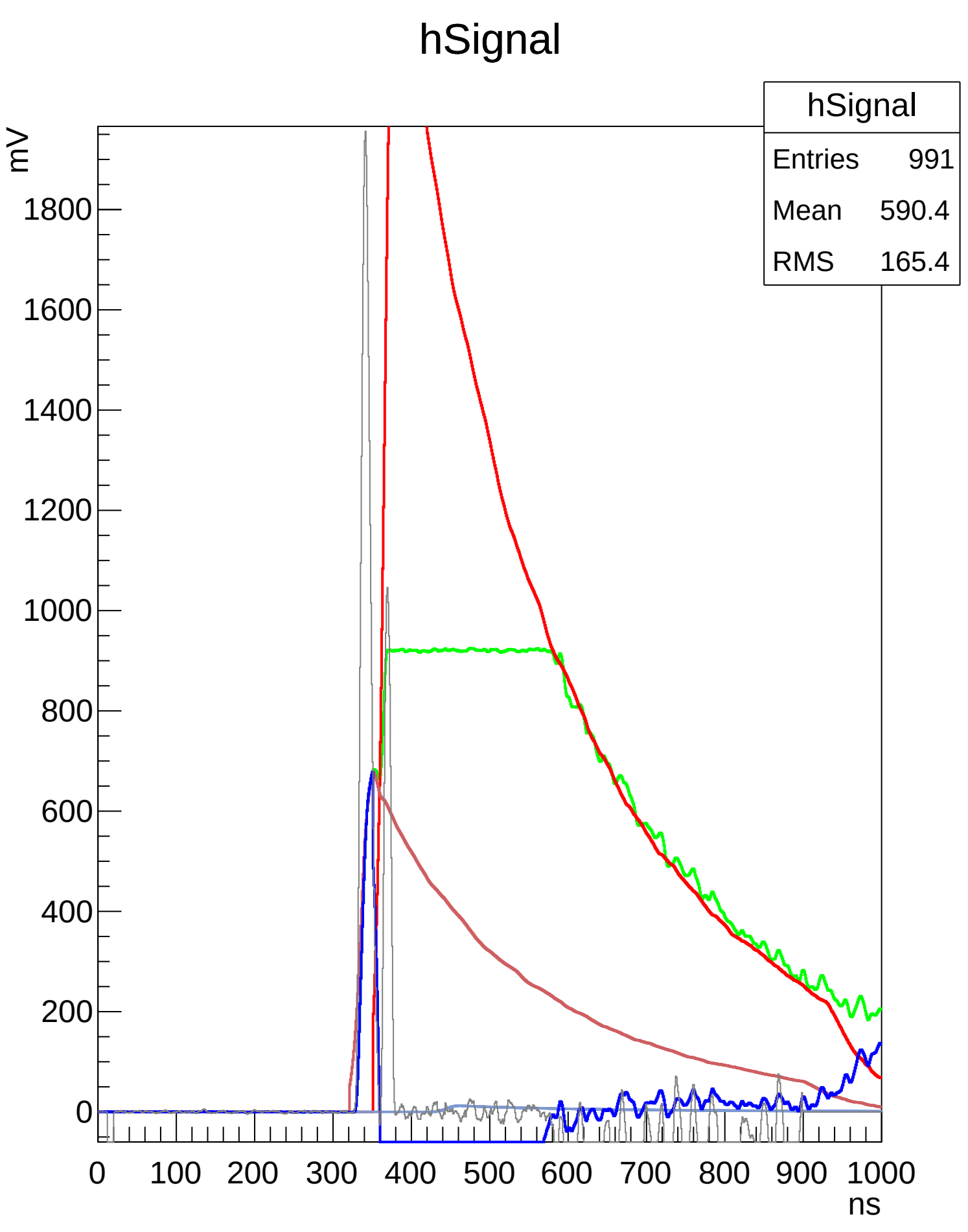

hSignal
hSignal
Entries 991
Mean 571.8
RMS 162.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

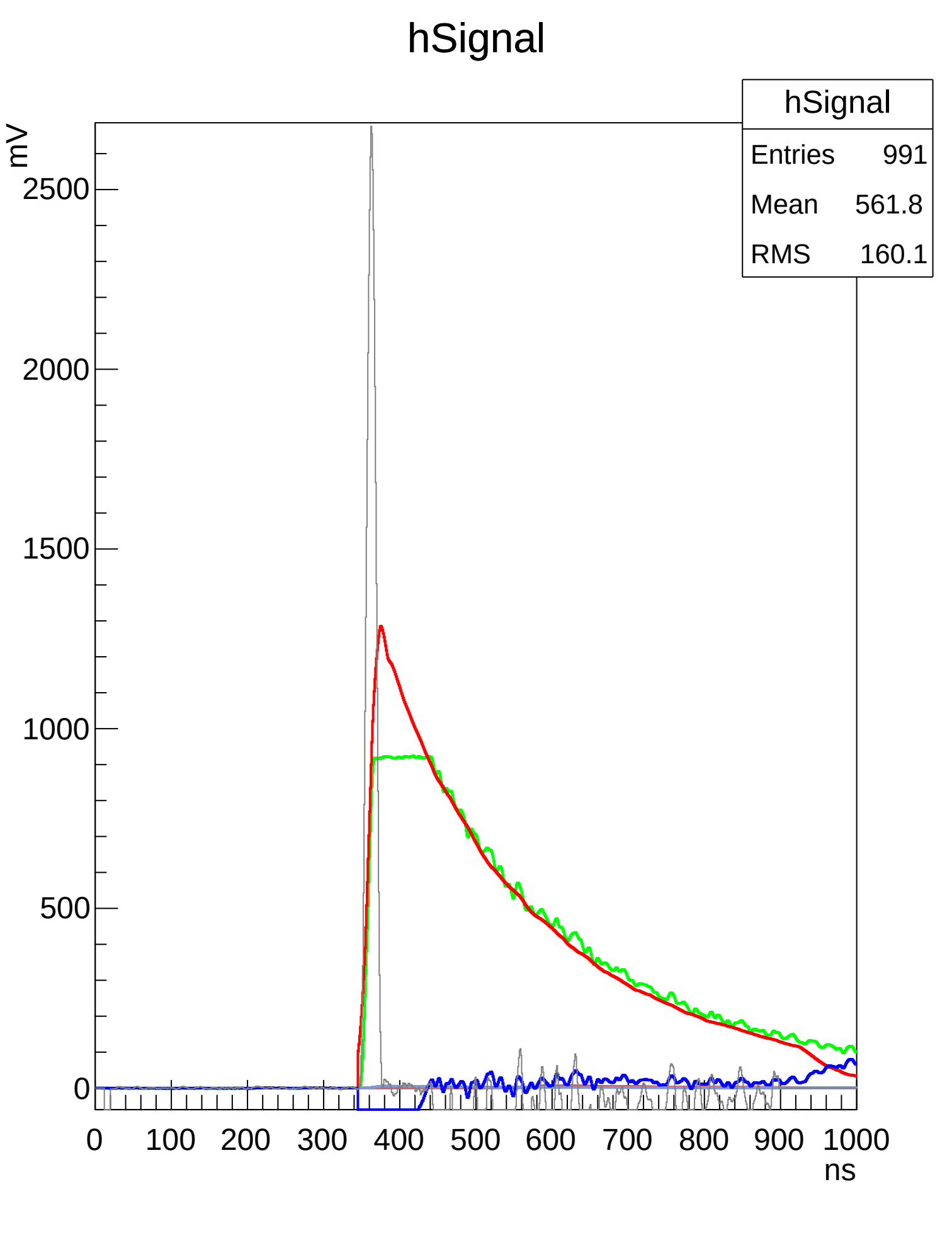

hSignal
hSignal
Entries 991
Mean 524.8
RMS 167
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

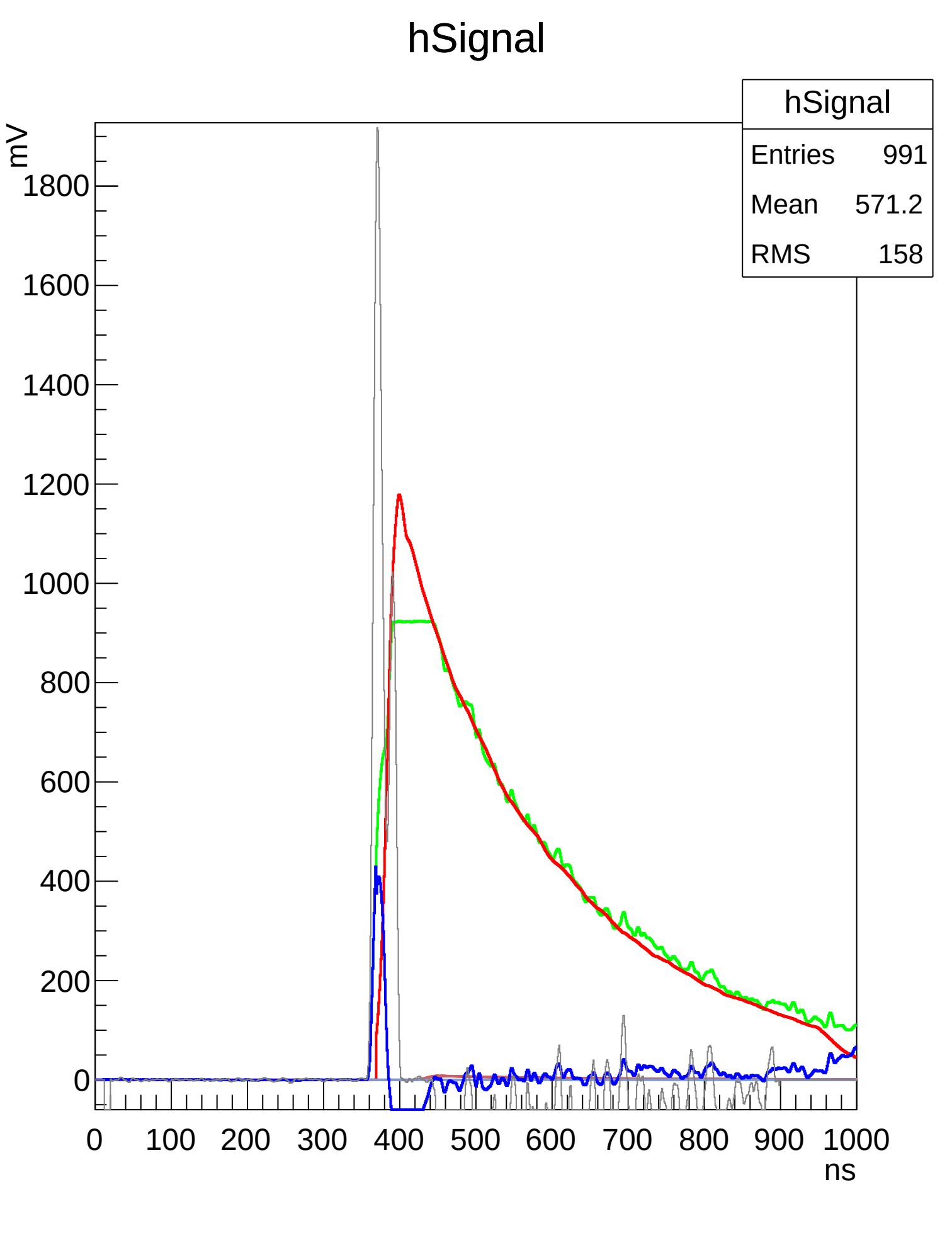

hSignal
hSignal
Entries 991
Mean 581.9
RMS 139.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

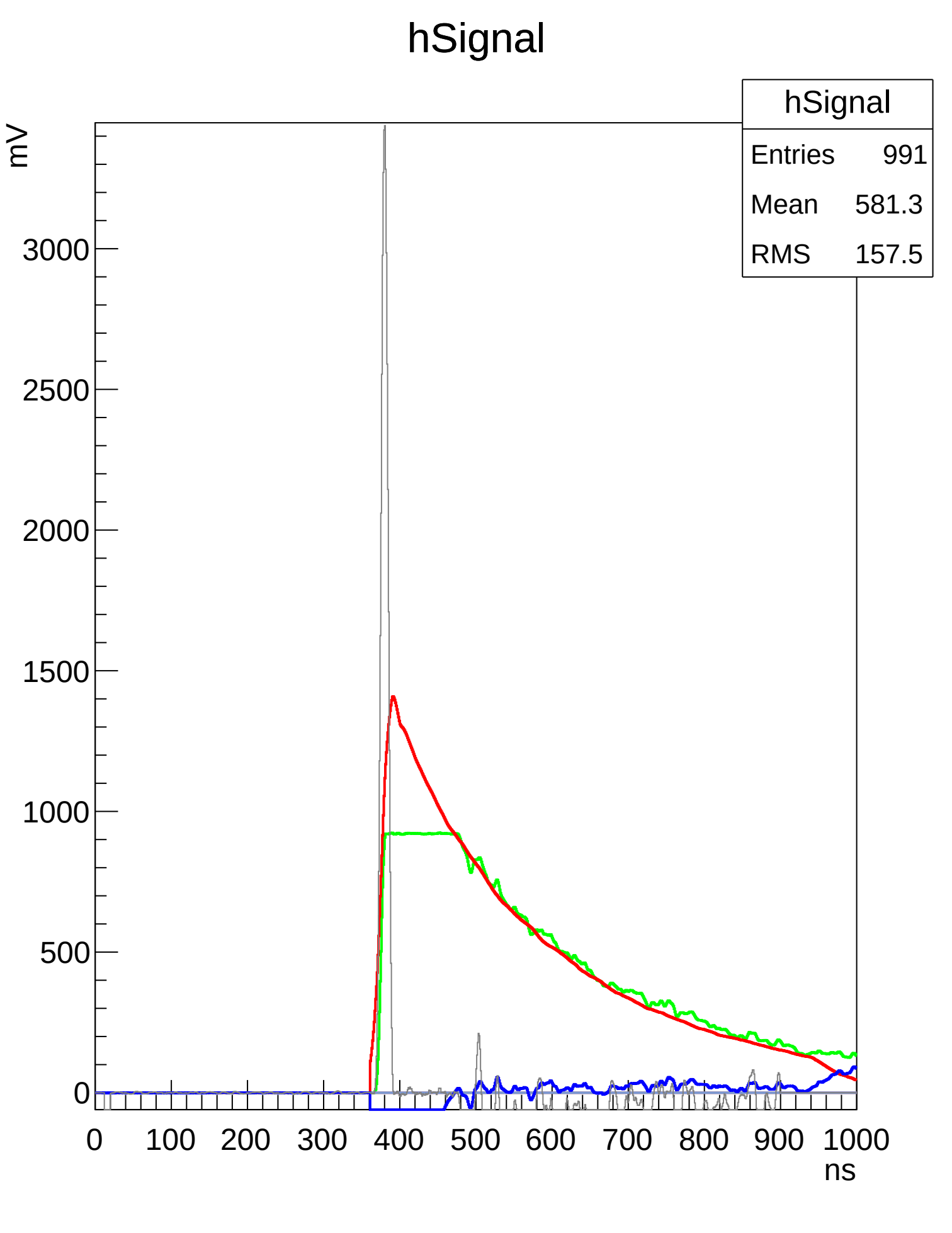

hSignal
hSignal
Entries 991
Mean 585.1
RMS 102.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

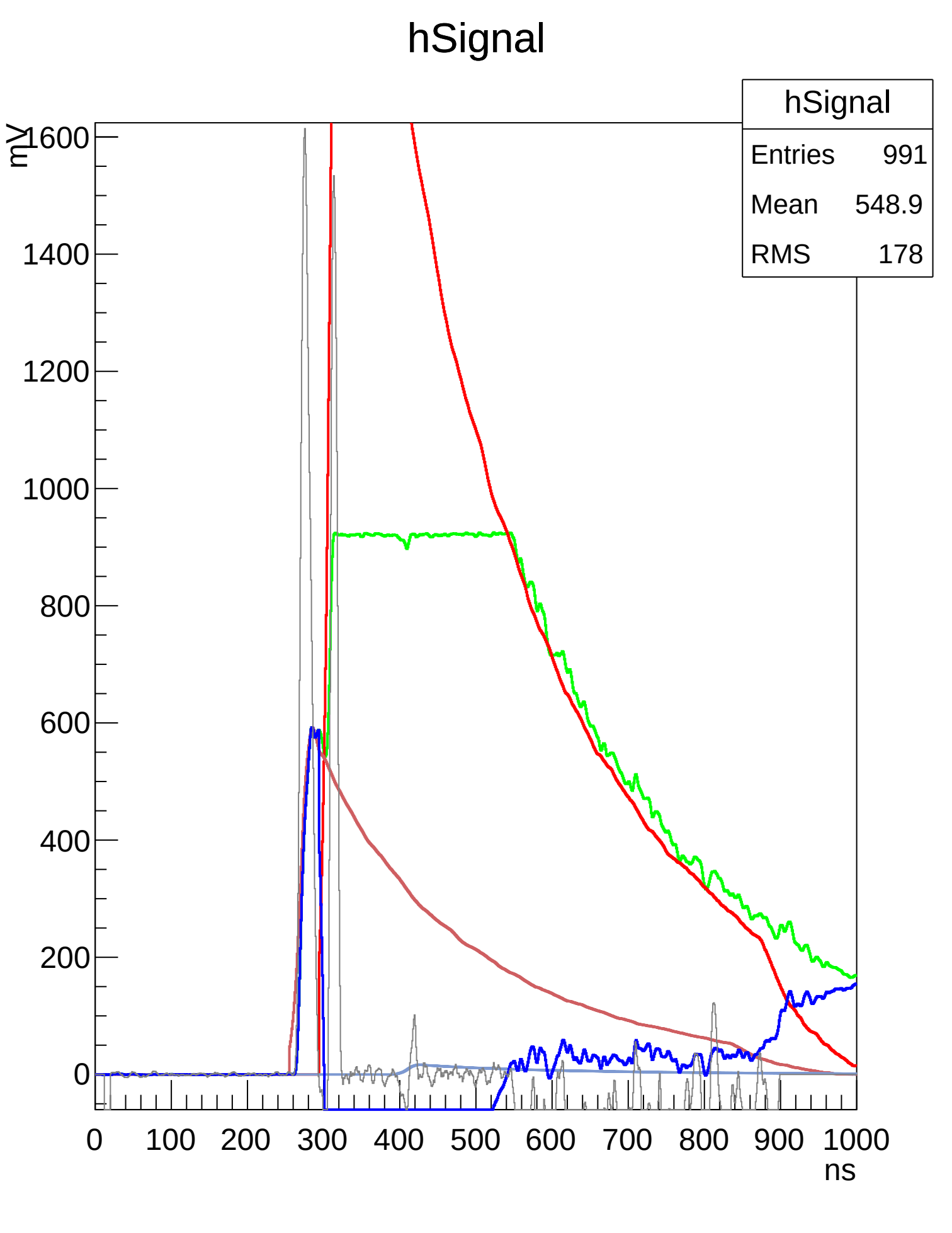

hSignal
hSignal
Entries 991
Mean 624.7
RMS 82.77
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

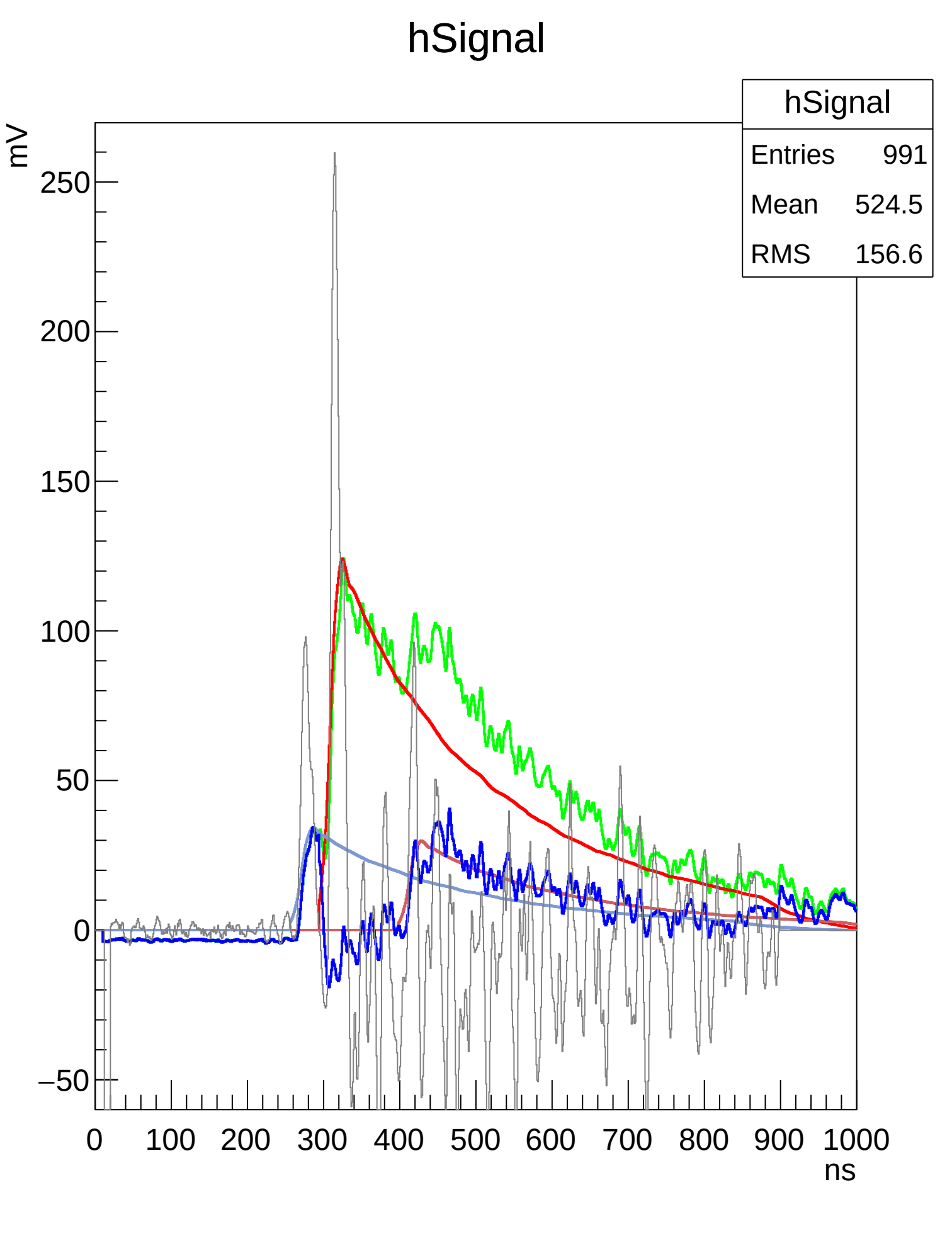

hSignal
hSignal
Entries 991
Mean 590.4
RMS 165.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

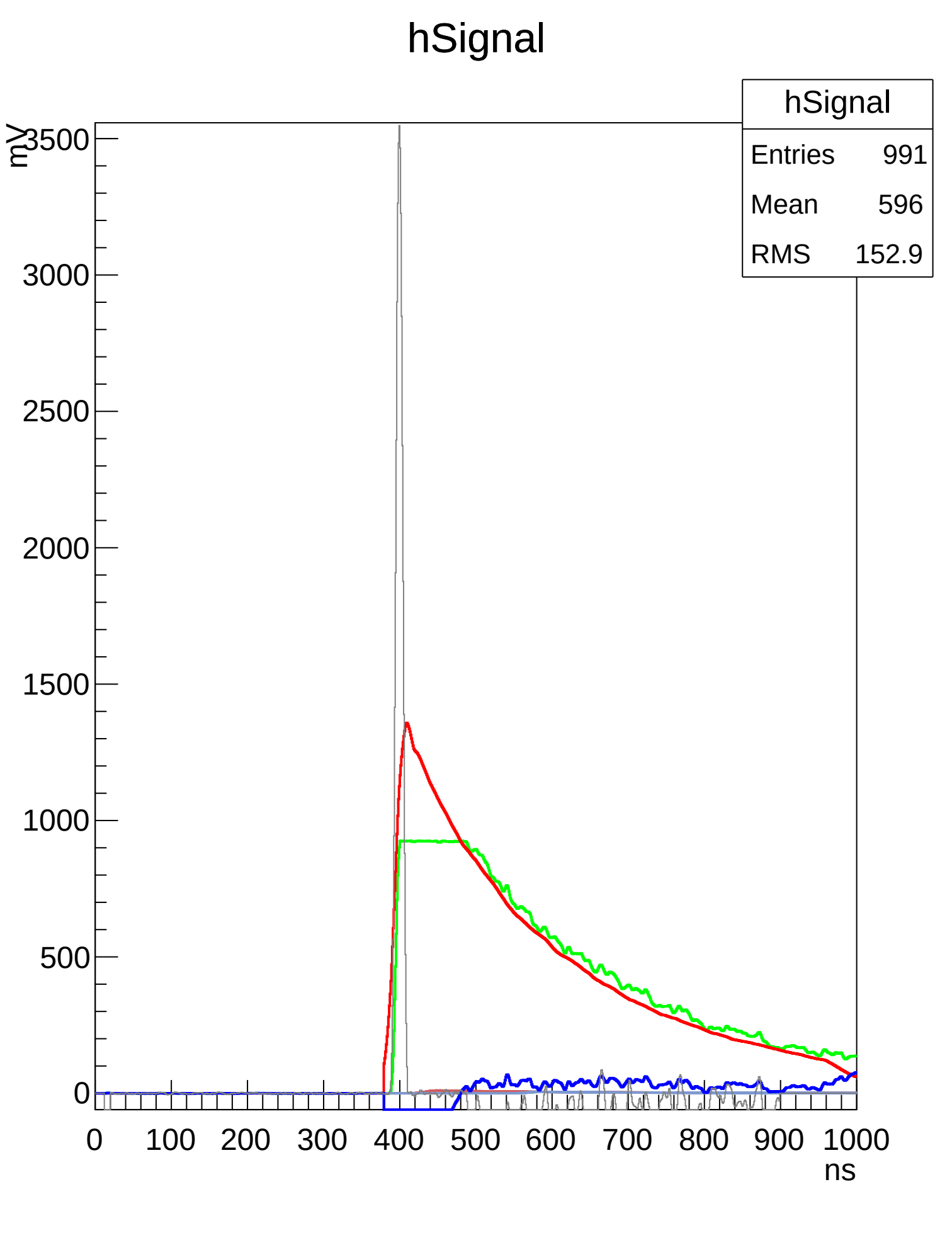

hSignal
hSignal
Entries 991
Mean 561.8
RMS 160.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

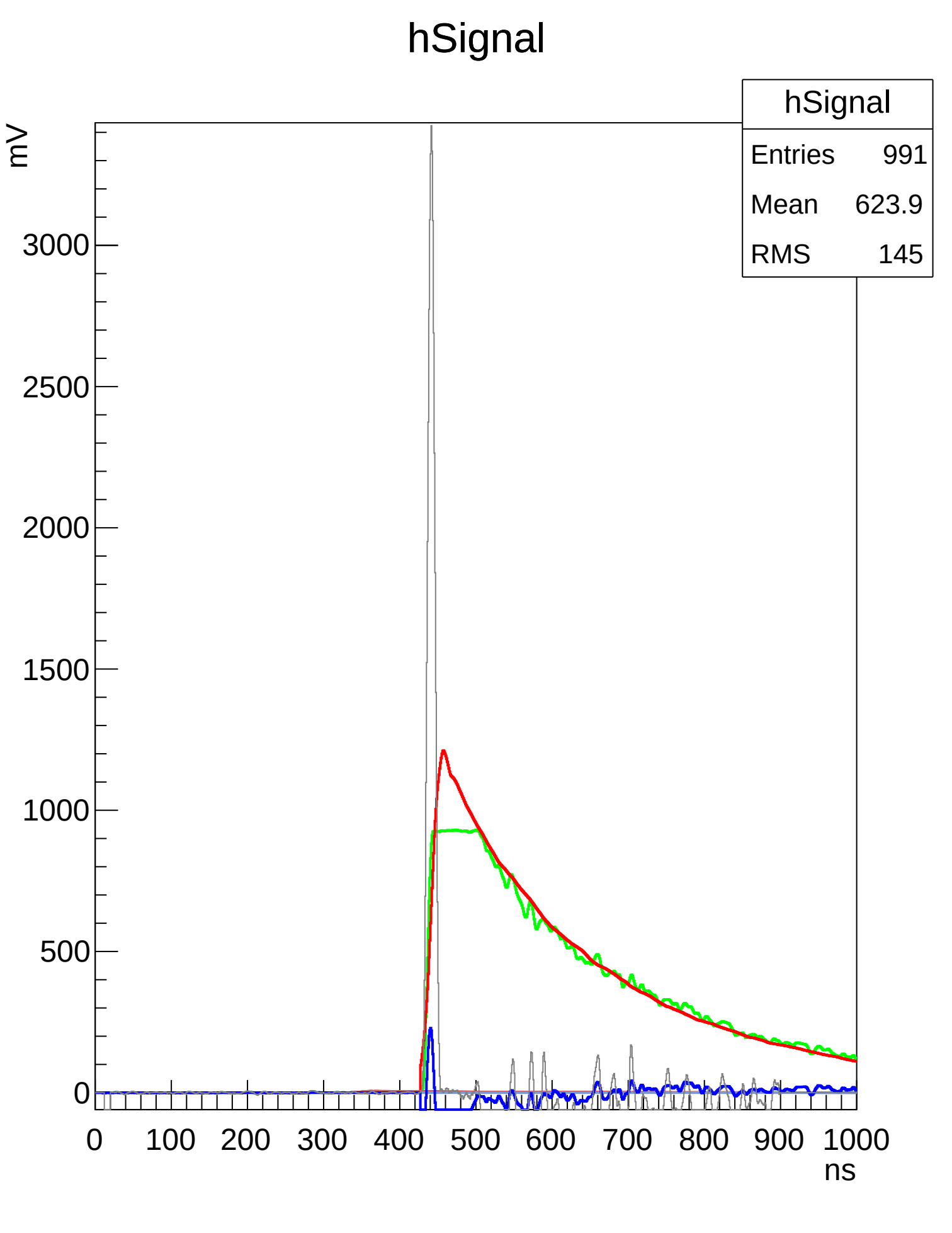

hSignal
hSignal
Entries 991
Mean 571.2
RMS 158
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

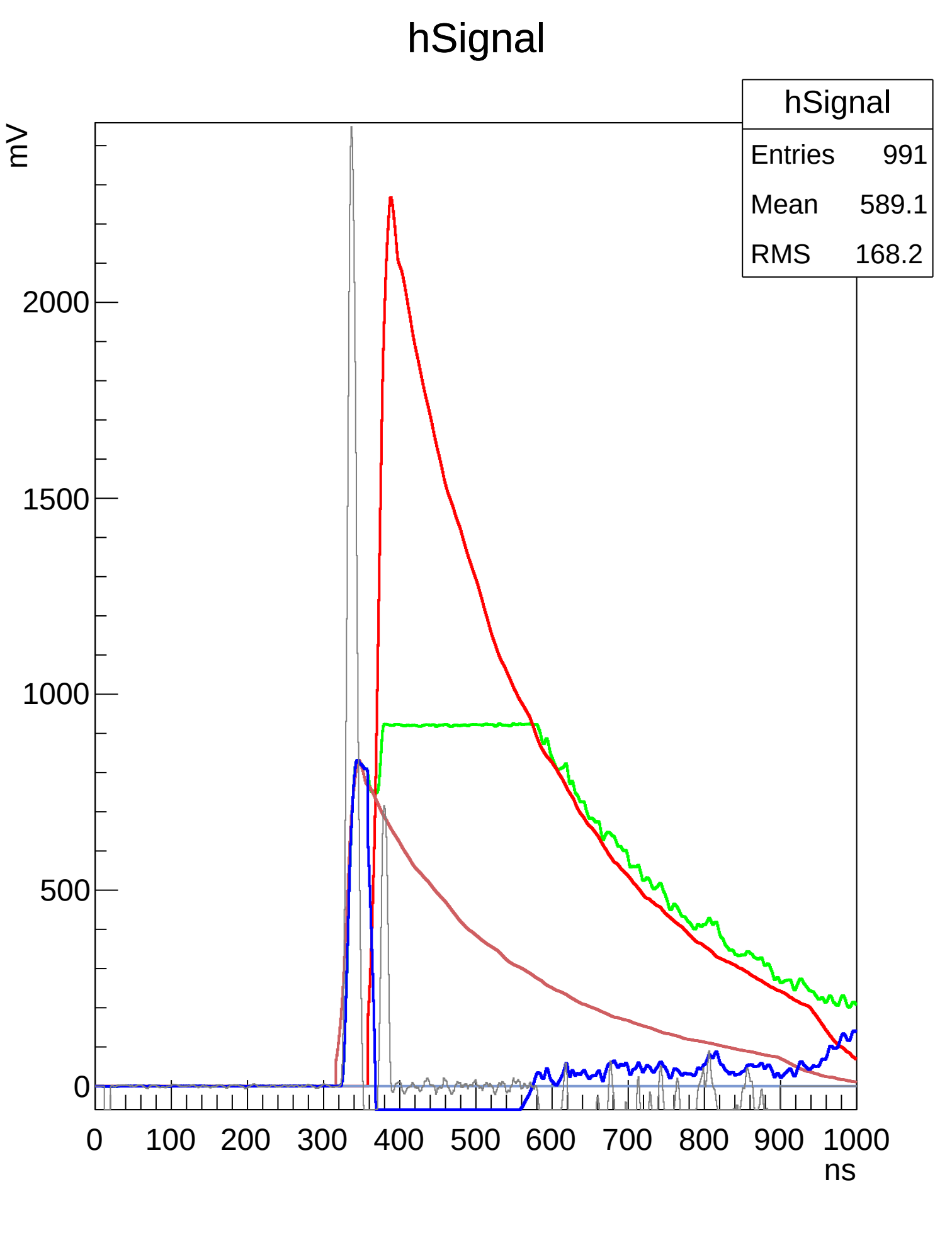

hSignal
hSignal
Entries 991
Mean 581.3
RMS 157.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

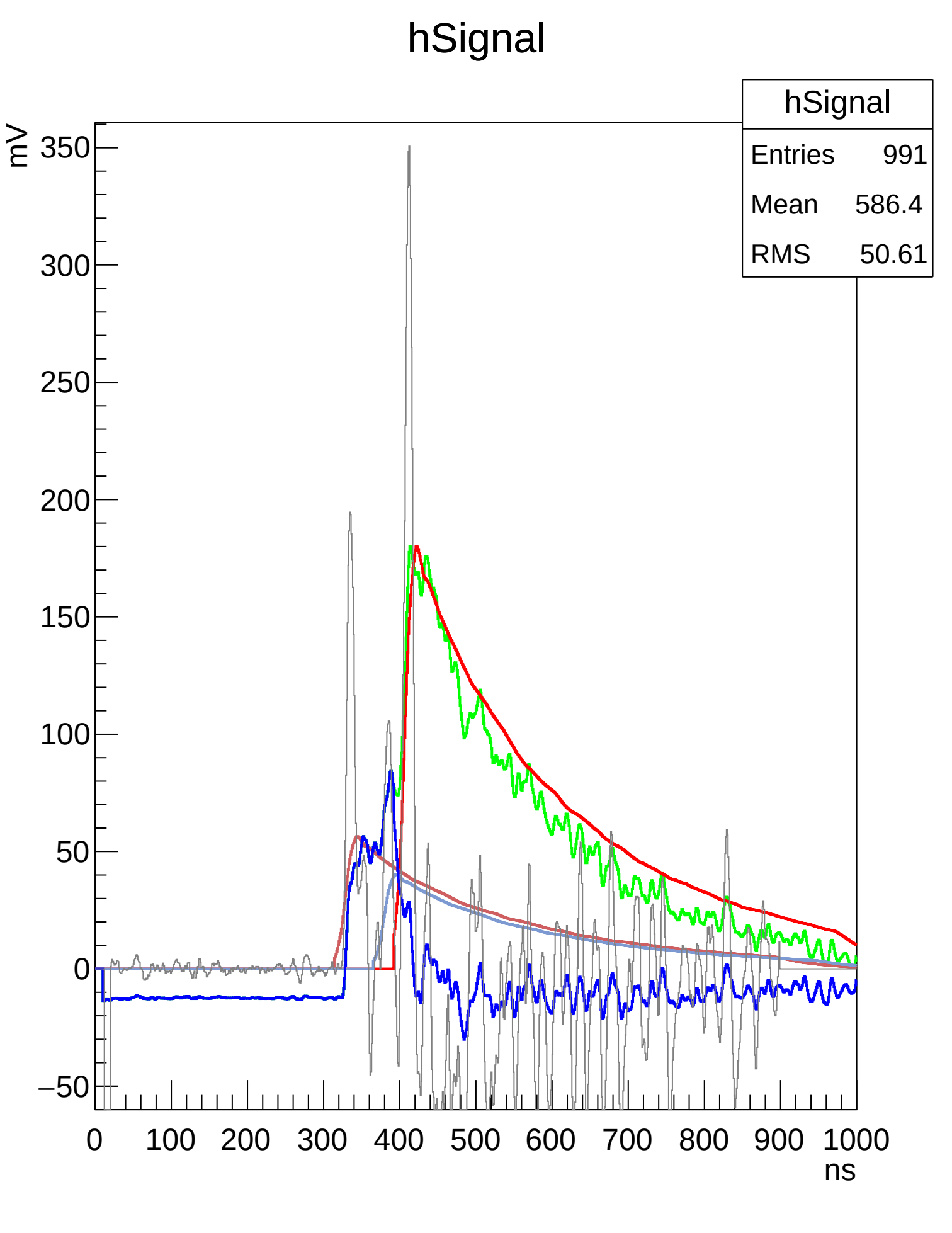

hSignal
hSignal
Entries 991
Mean 548.9
RMS 178
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

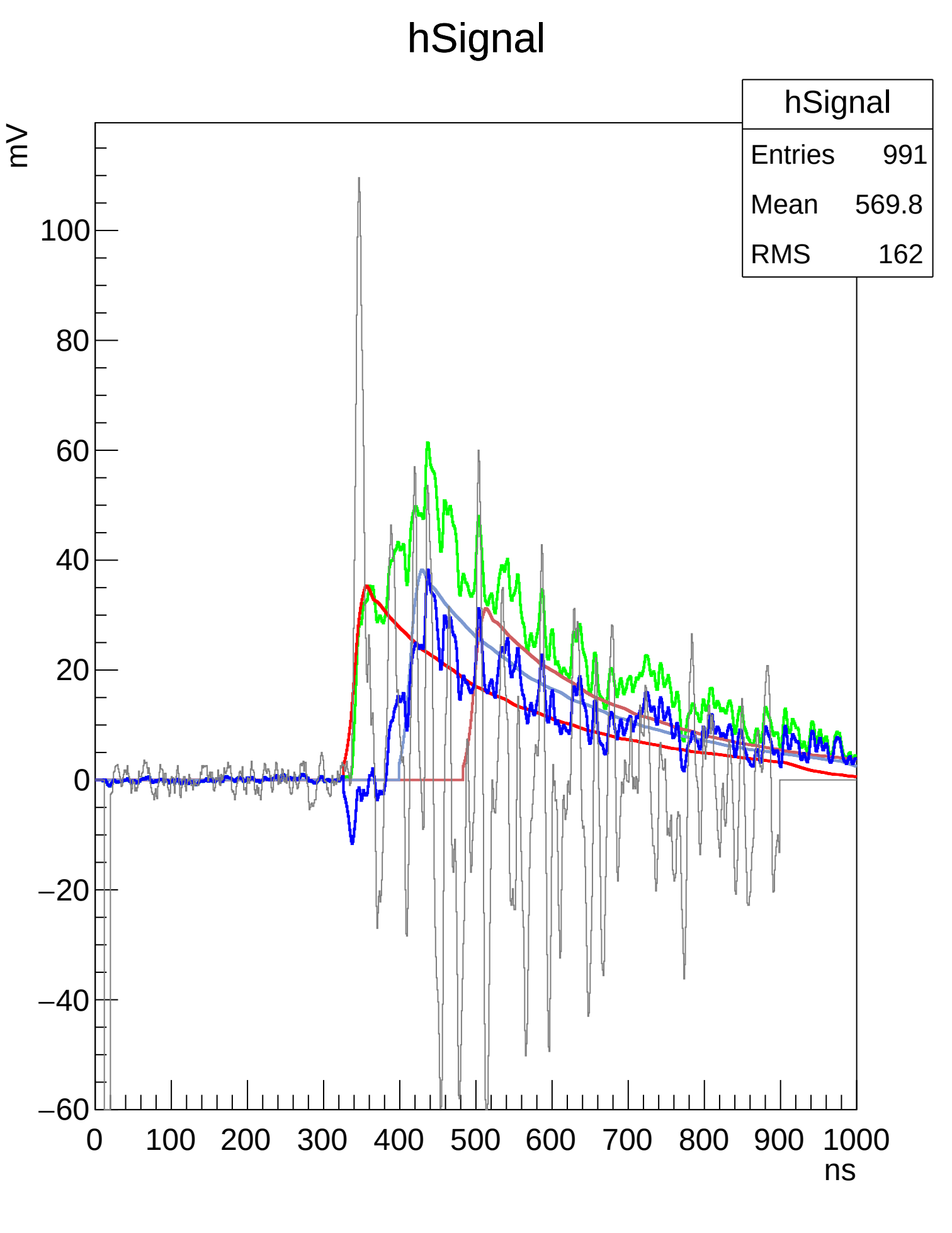

hSignal
hSignal
Entries 991
Mean 524.5
RMS 156.6
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

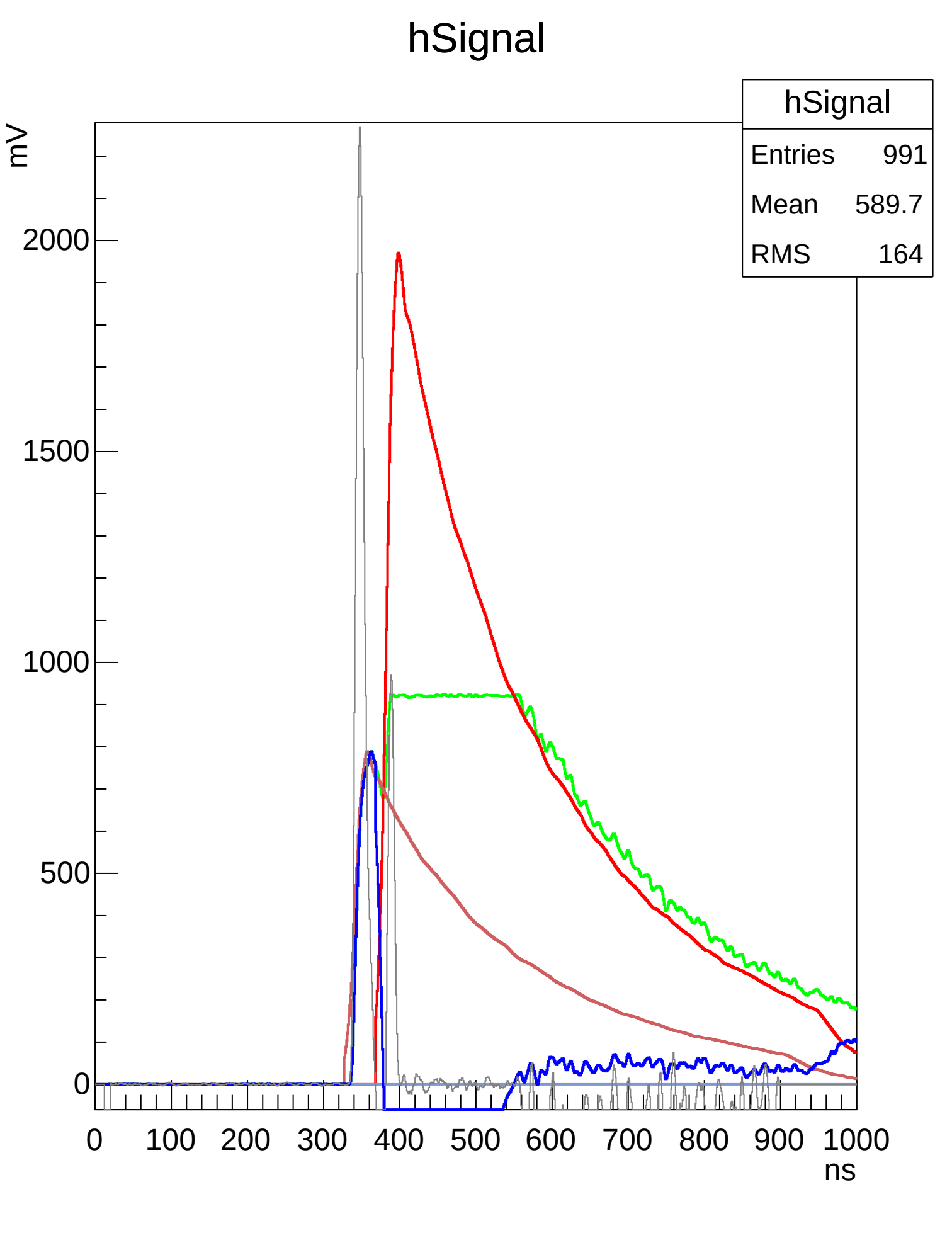

hSignal
hSignal
Entries 991
Mean 596
RMS 152.9
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

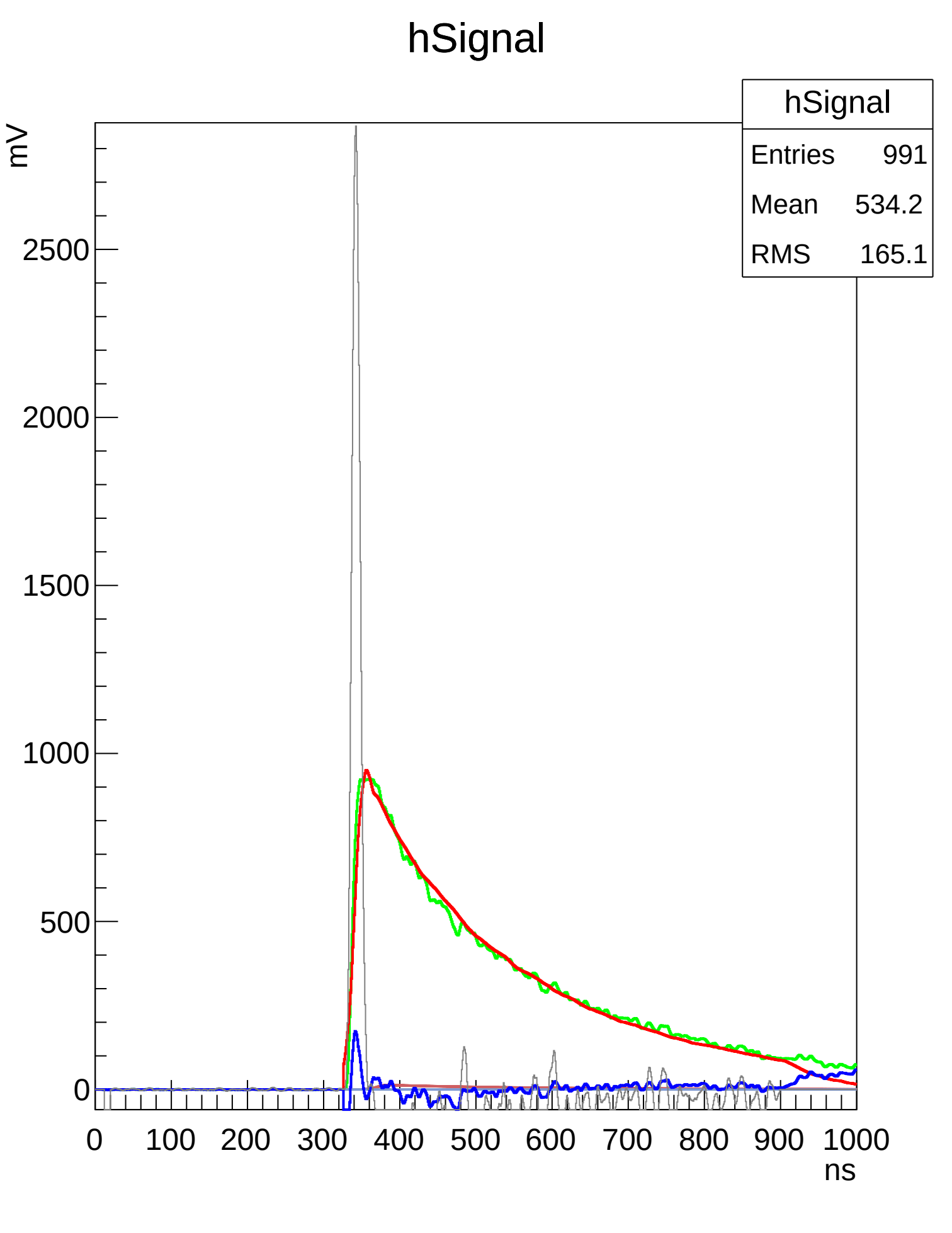

hSignal
hSignal
Entries 991
Mean 623.9
RMS 145
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

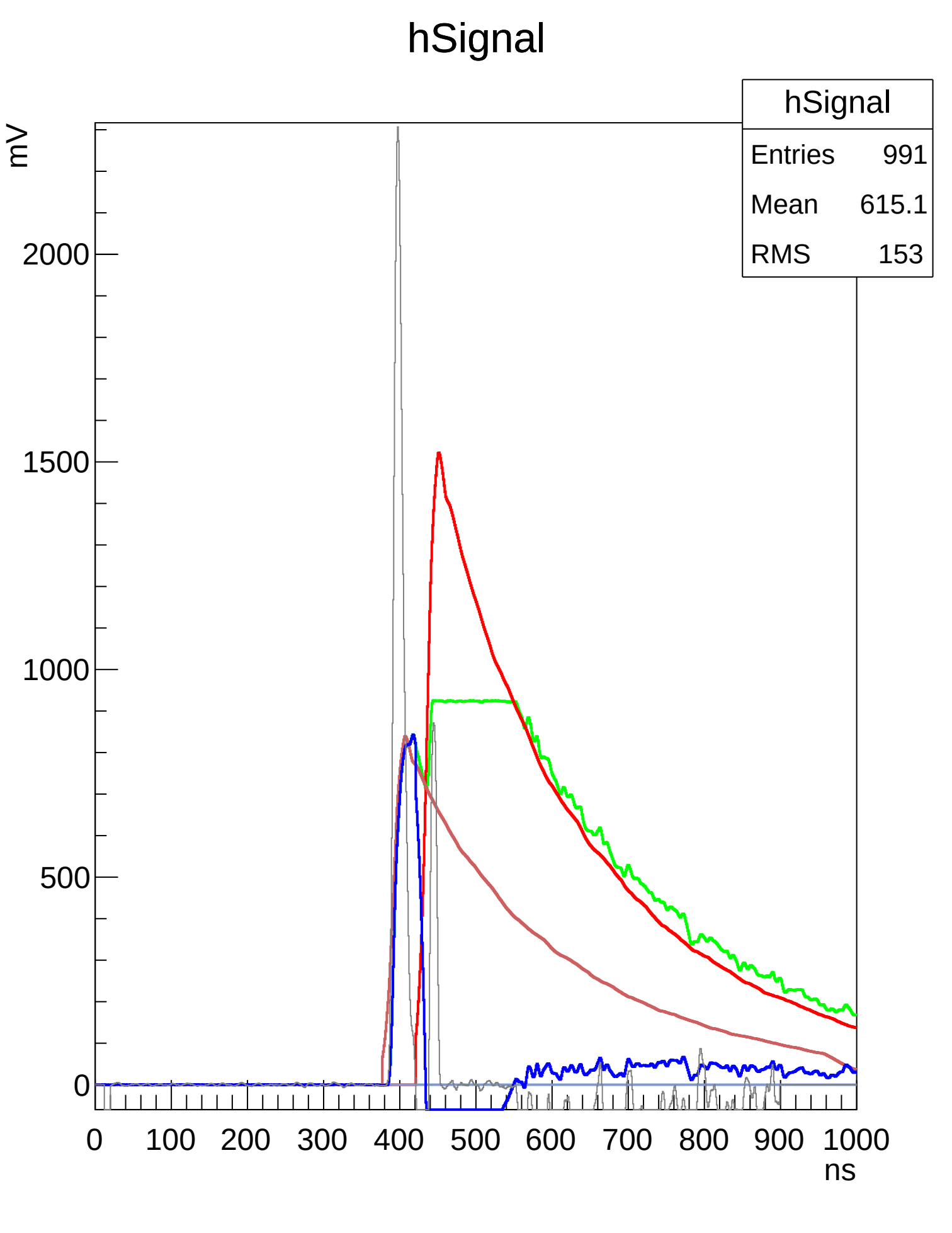

hSignal
hSignal
Entries 991
Mean 589.1
RMS 168.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

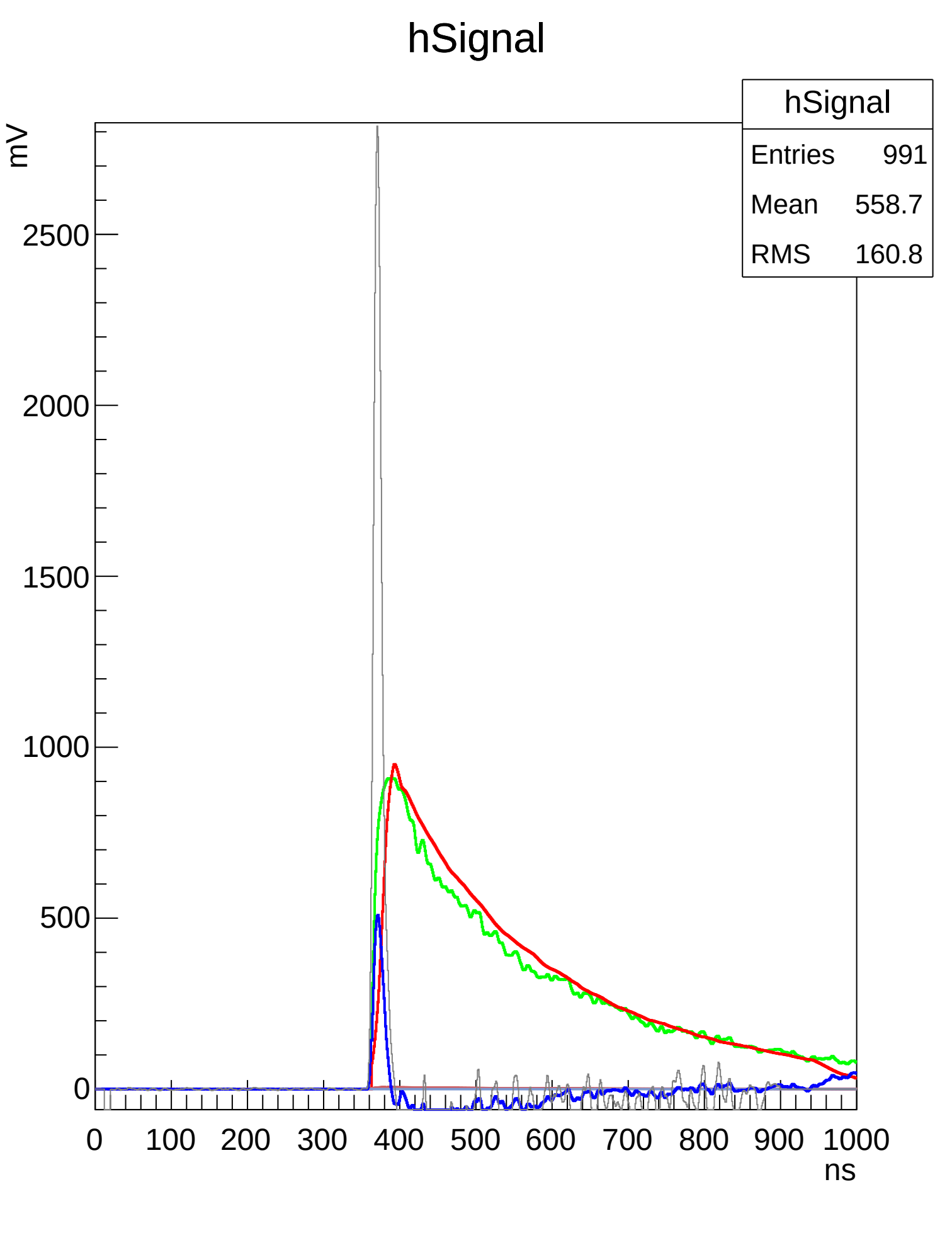

hSignal
hSignal
Entries 991
Mean 586.4
RMS 50.61
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

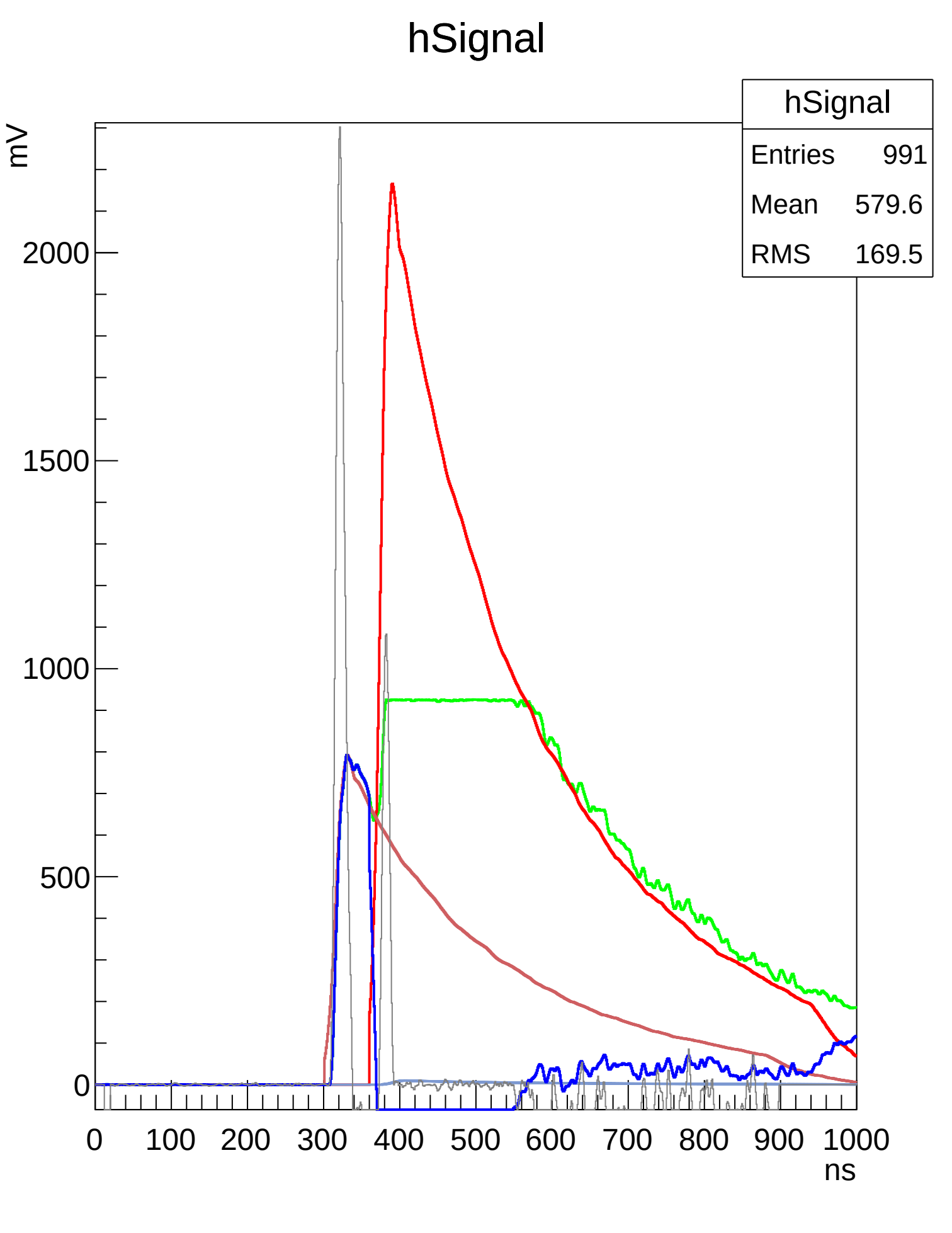

hSignal
hSignal
Entries 991
Mean 569.8
RMS 162
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

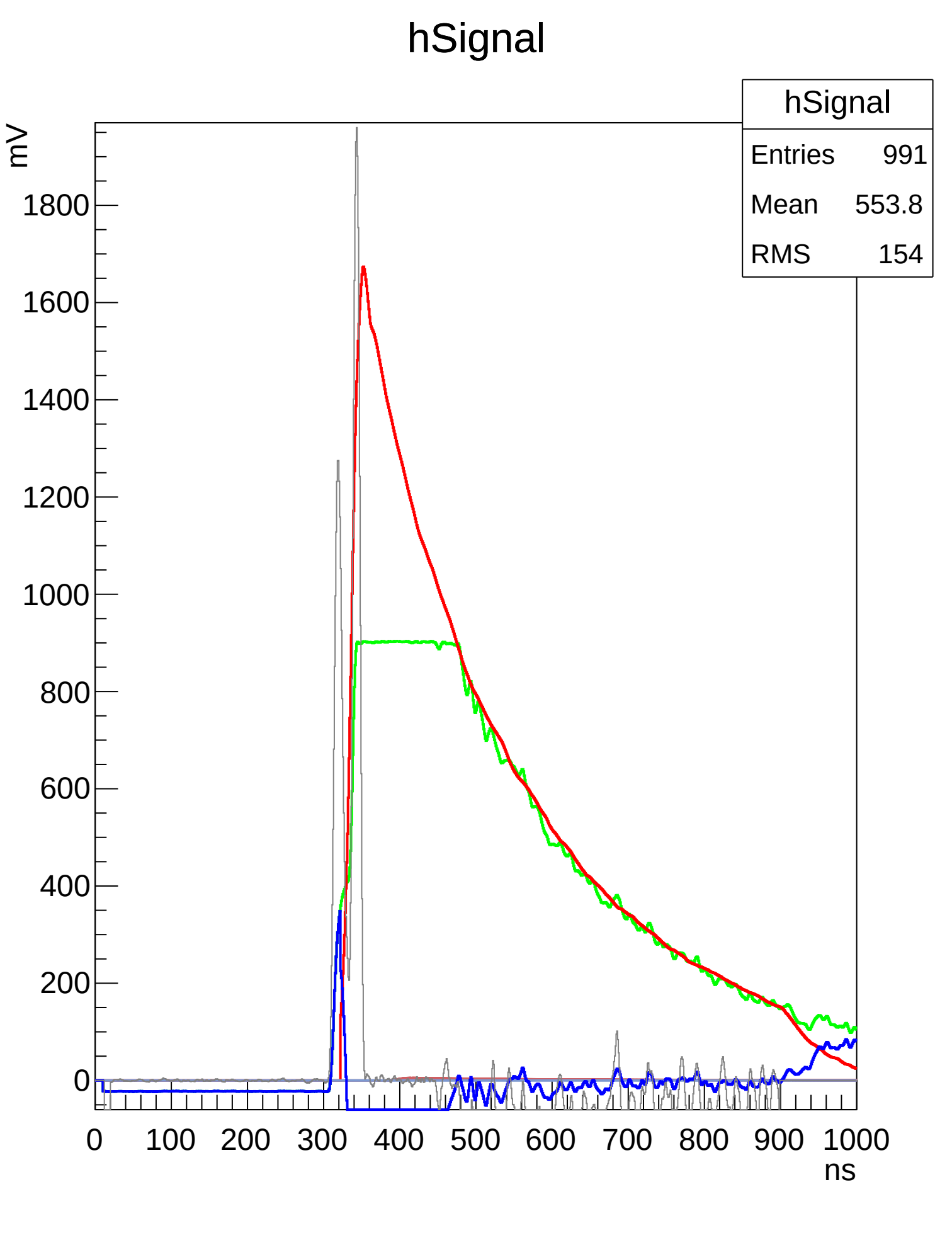

hSignal
hSignal
Entries 991
Mean 589.7
RMS 164
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

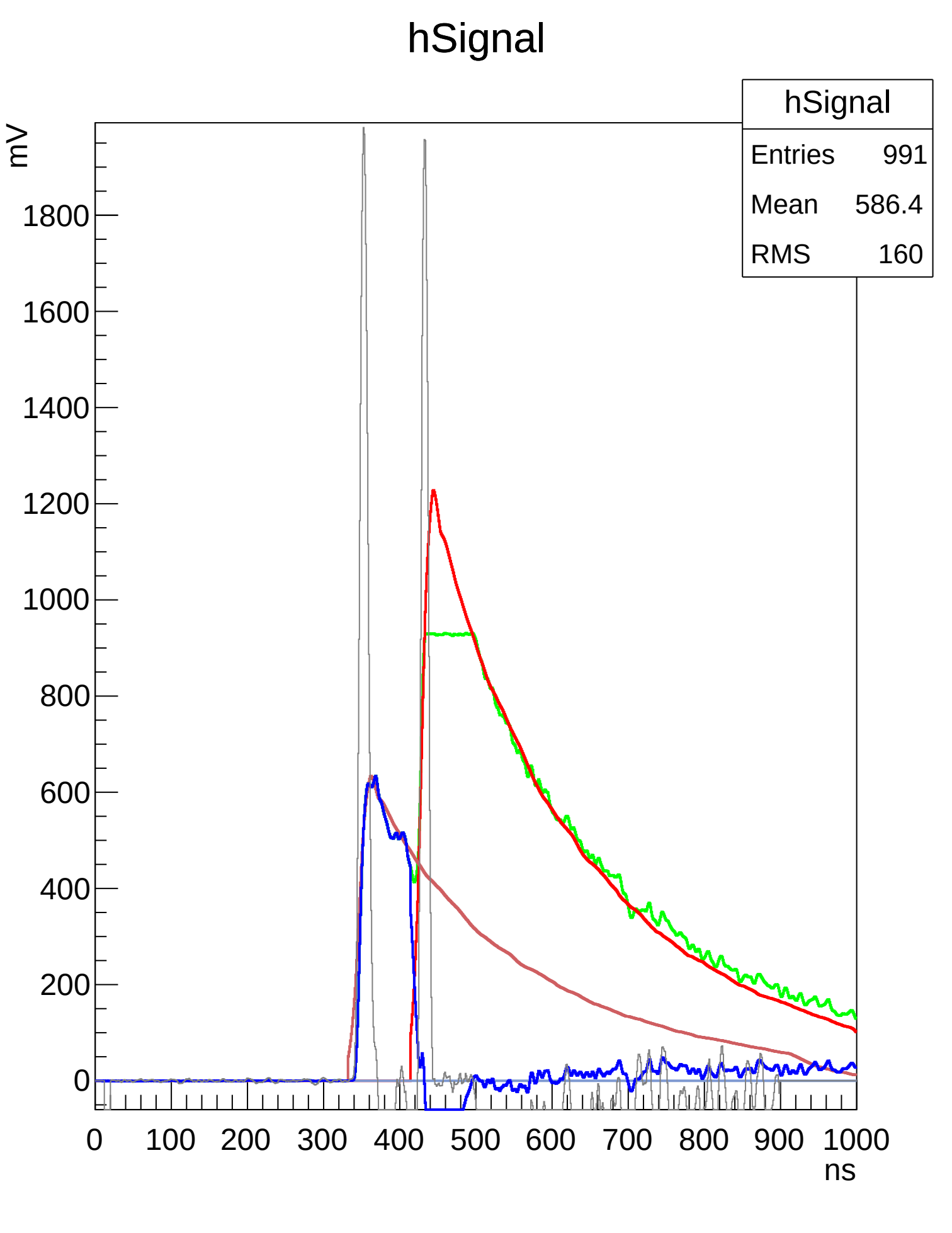

hSignal
hSignal
Entries 991
Mean 534.2
RMS 165.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

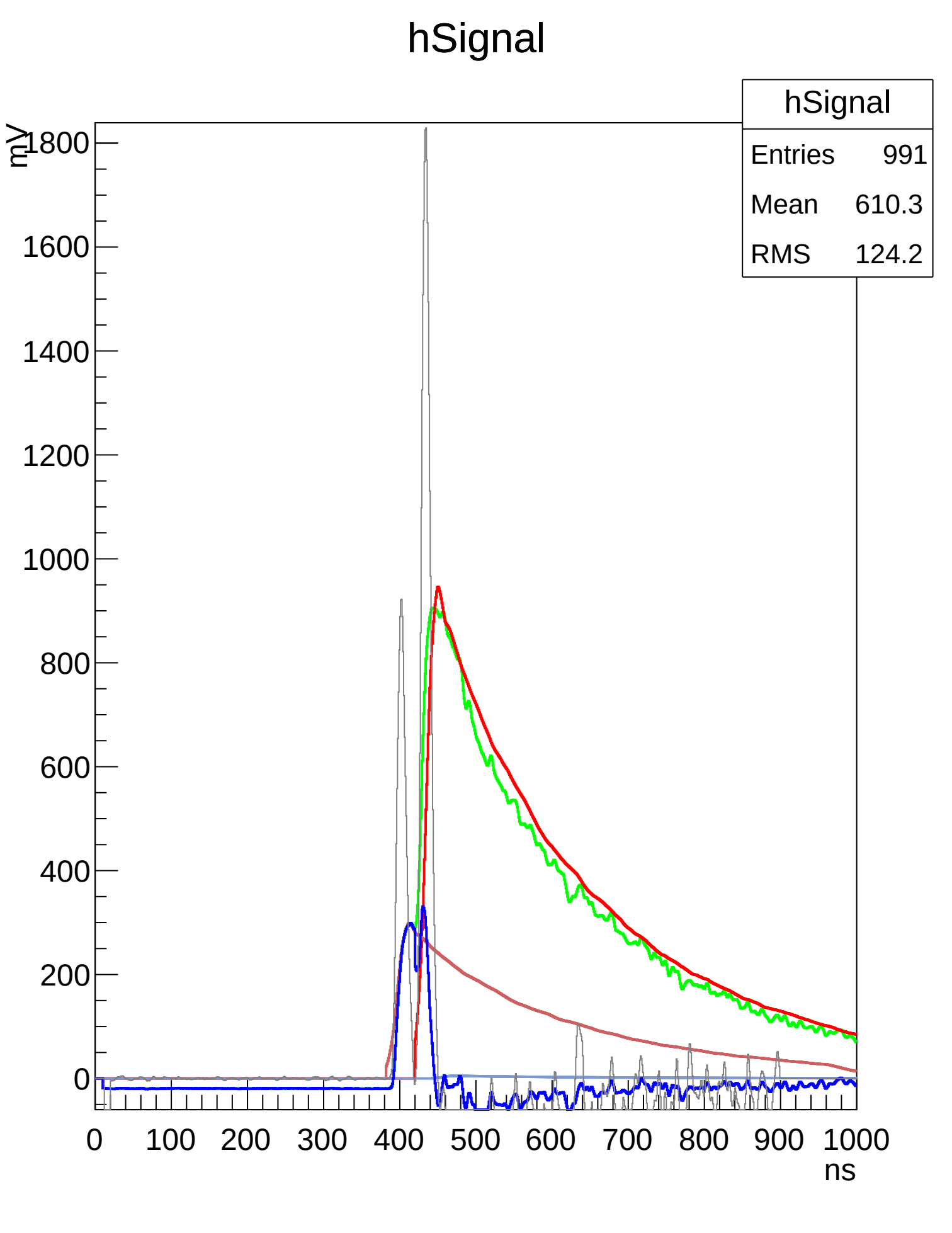

hSignal
hSignal
Entries 991
Mean 615.1
RMS 153
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

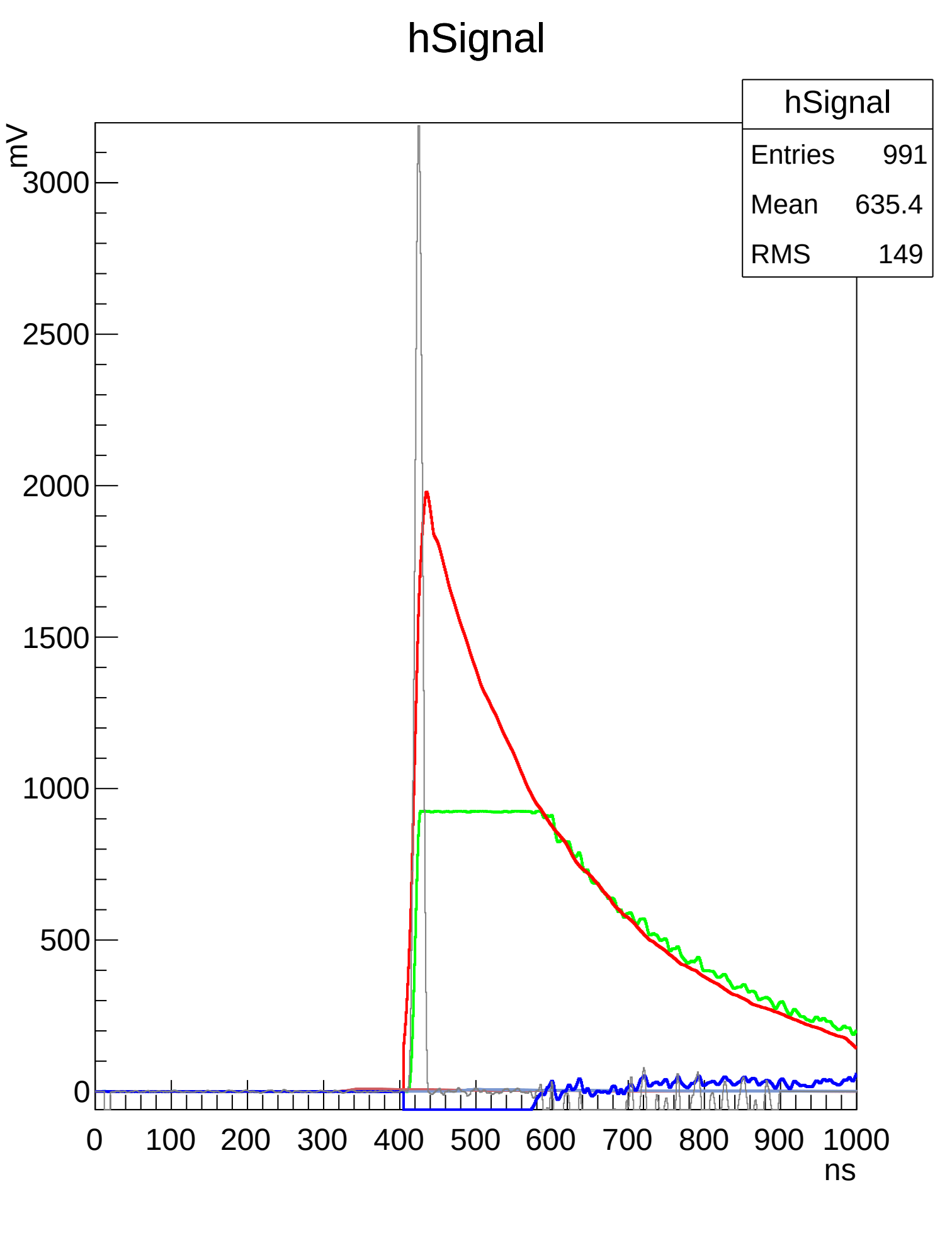

hSignal
hSignal
Entries 991
Mean 558.7
RMS 160.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

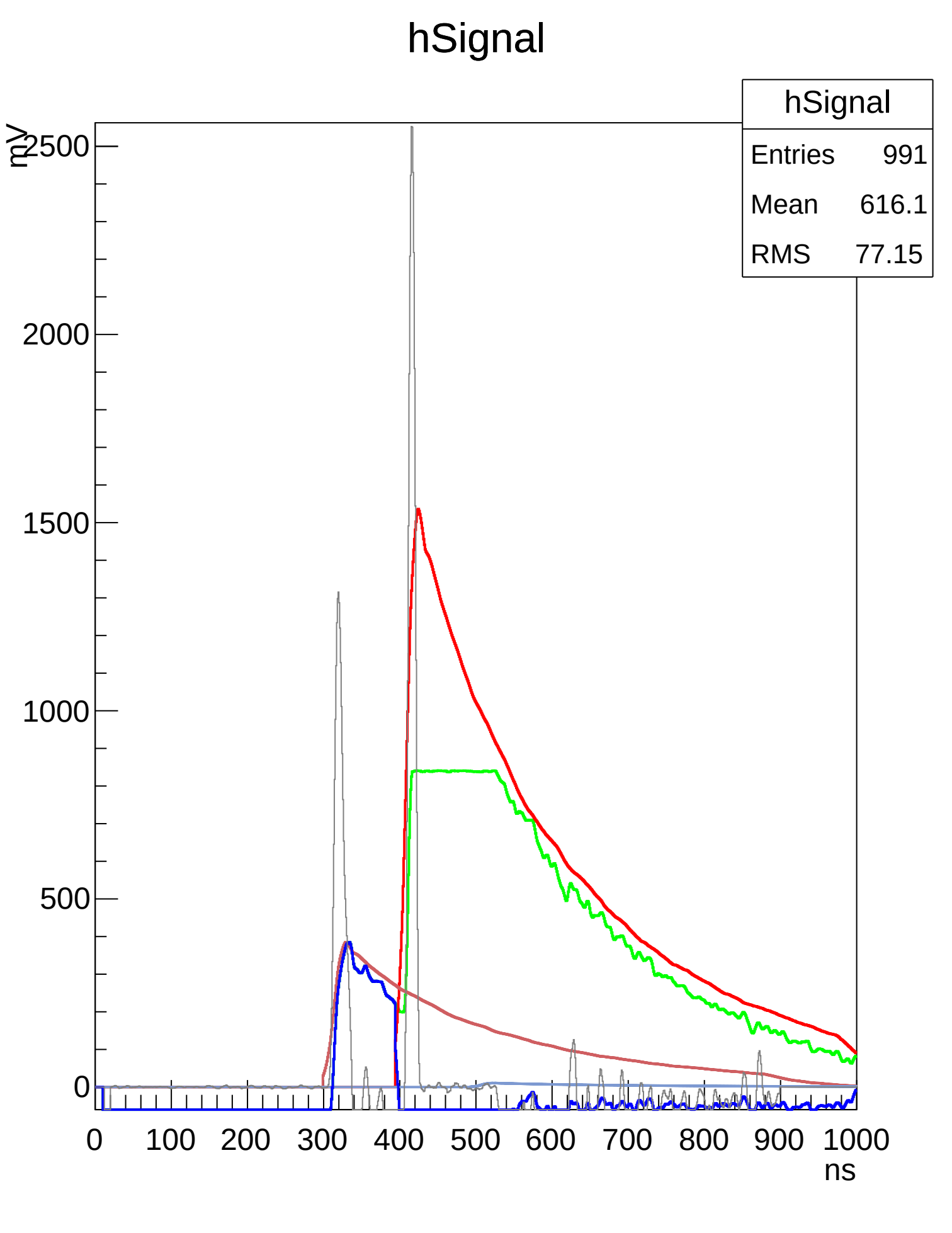

hSignal
hSignal
Entries 991
Mean 579.6
RMS 169.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

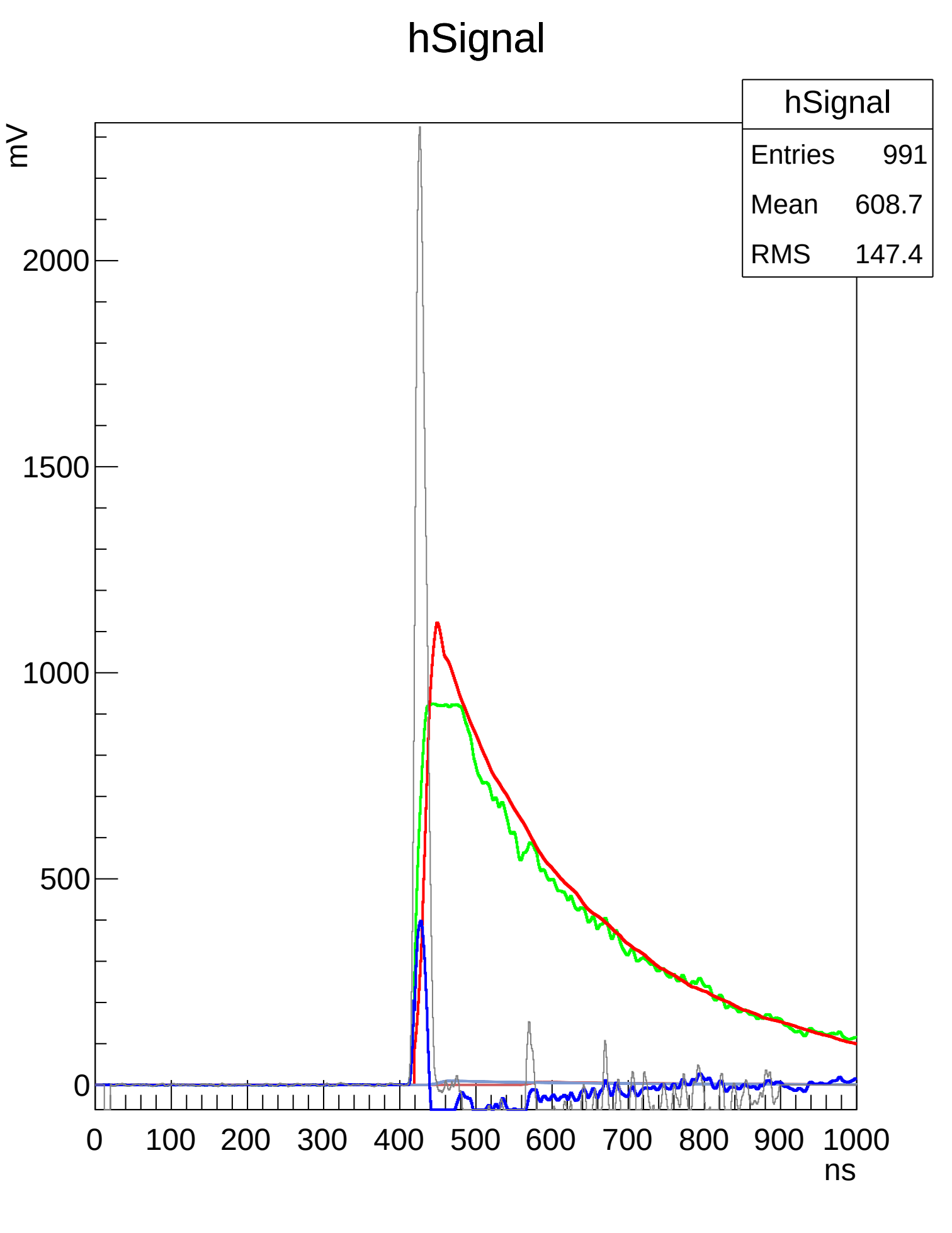

hSignal
hSignal
Entries 991
Mean 553.8
RMS 154
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

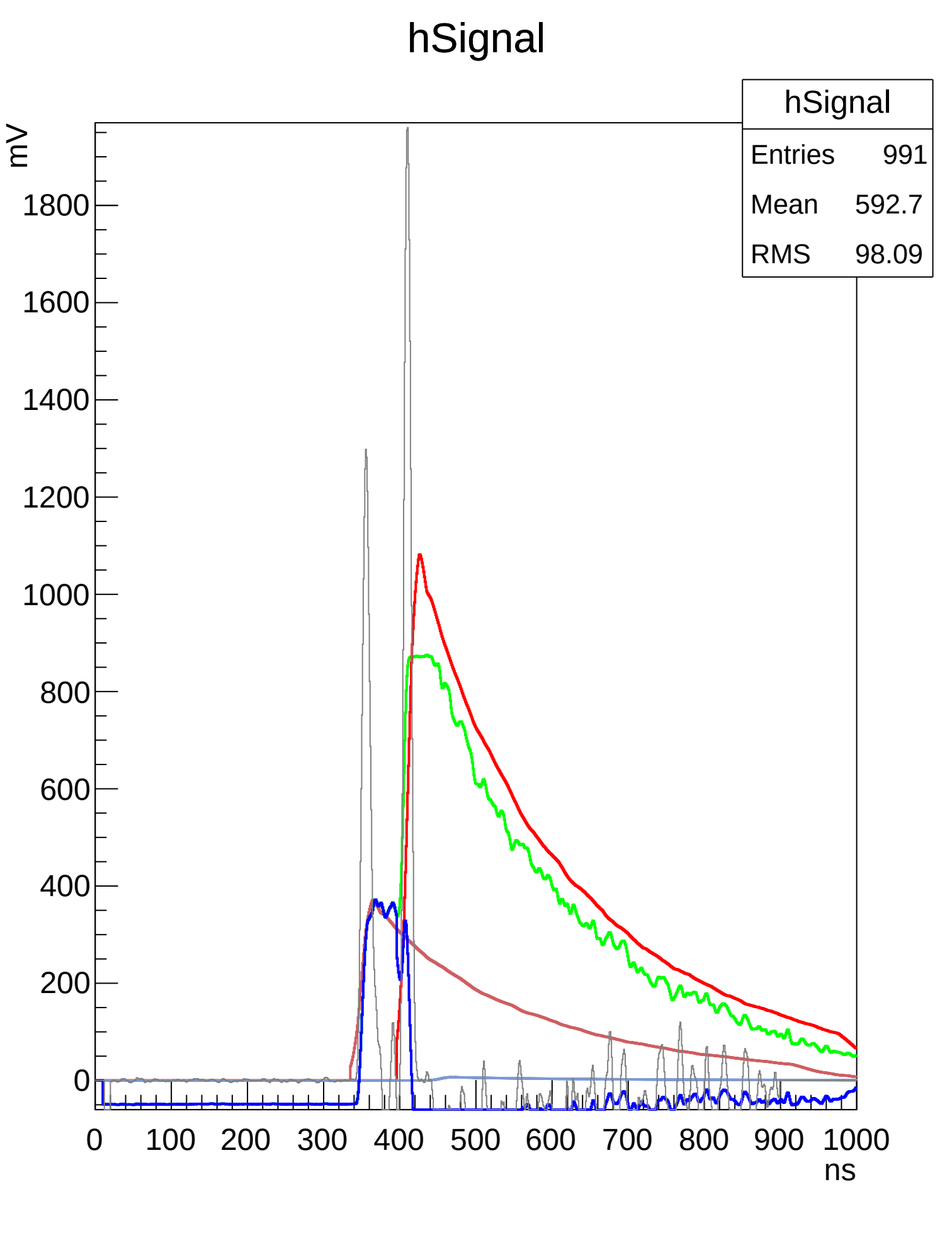

hSignal
hSignal
Entries 991
Mean 586.4
RMS 160
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

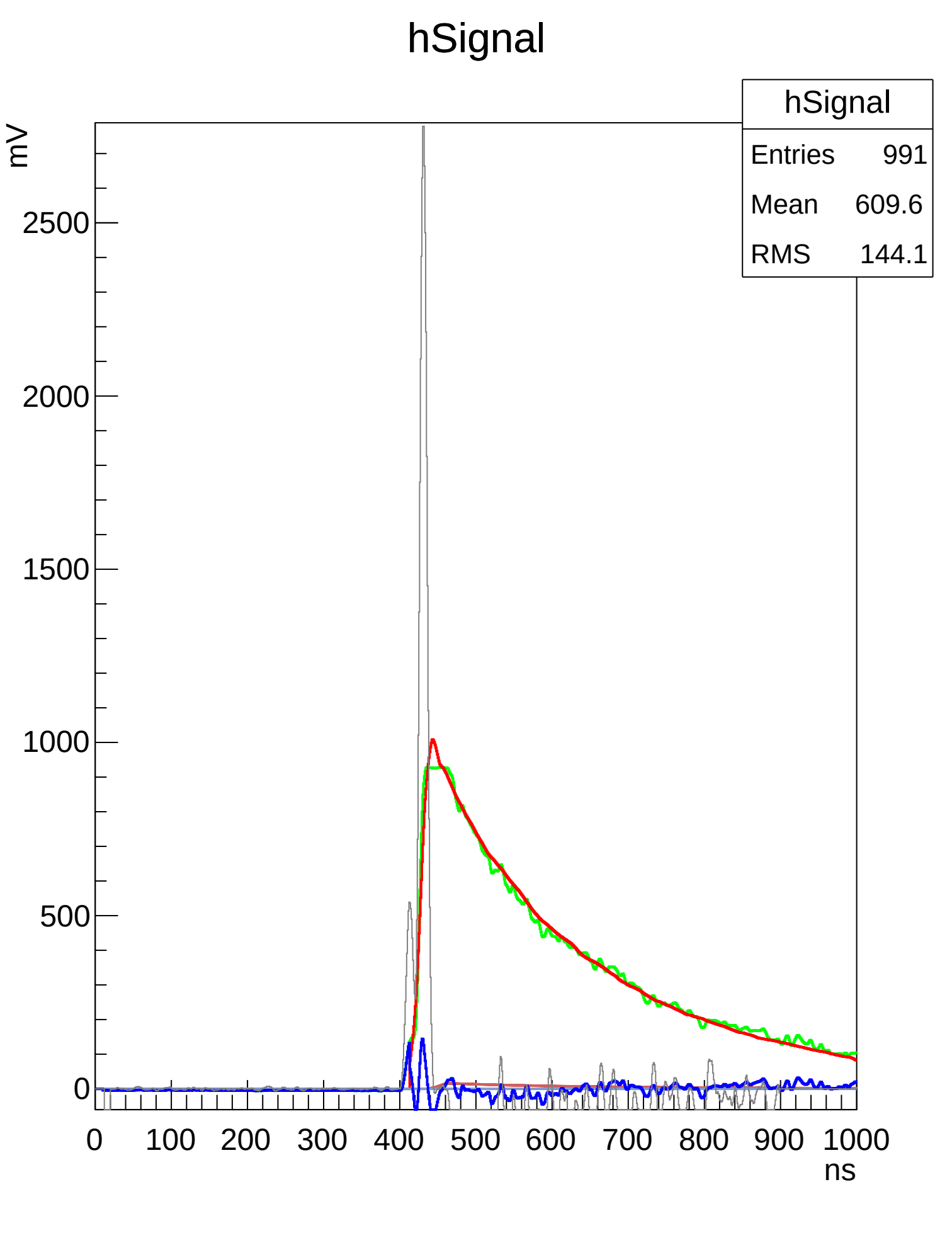

hSignal
hSignal
Entries 991
Mean 610.3
RMS 124.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

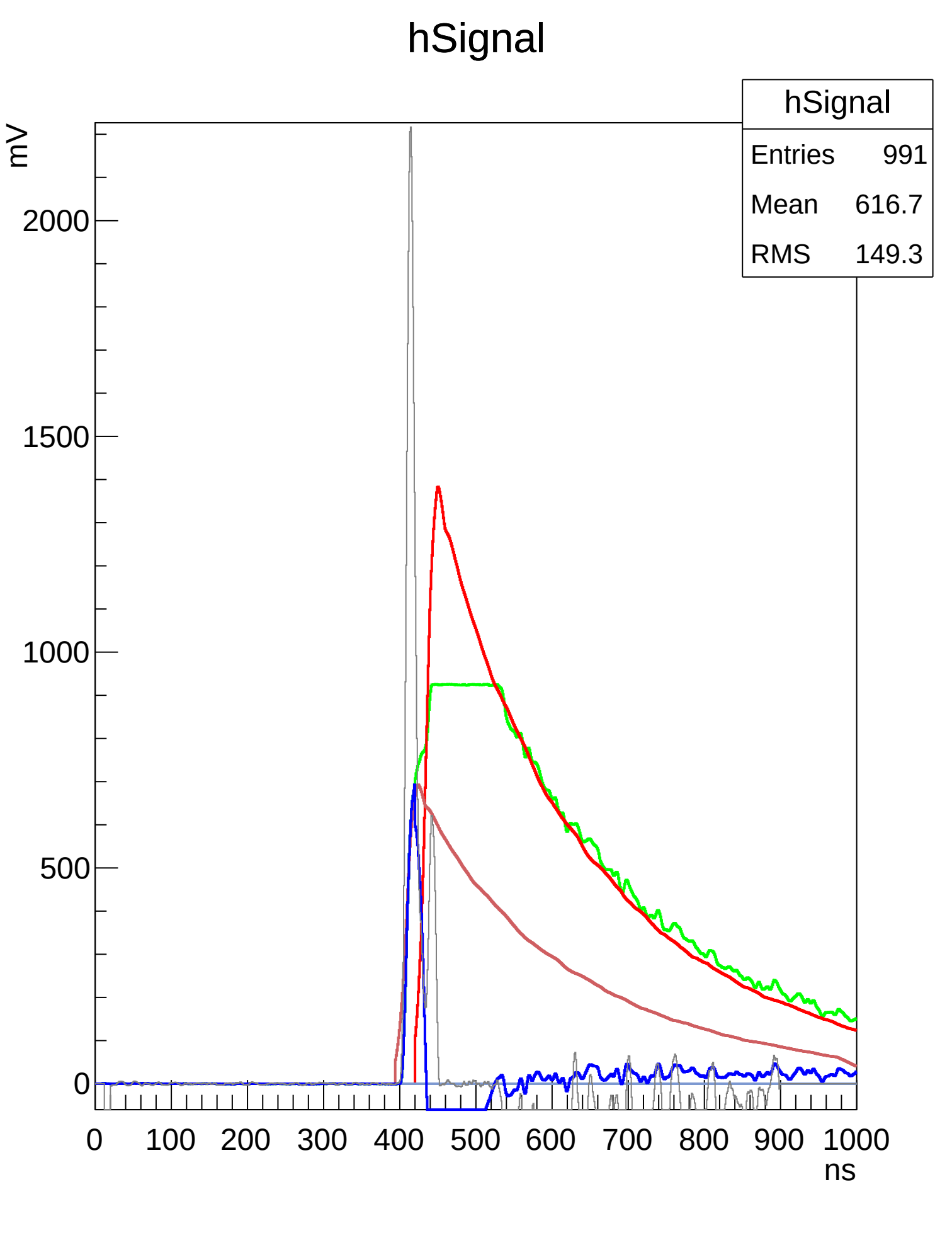

hSignal
hSignal
Entries 991
Mean 635.4
RMS 149
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

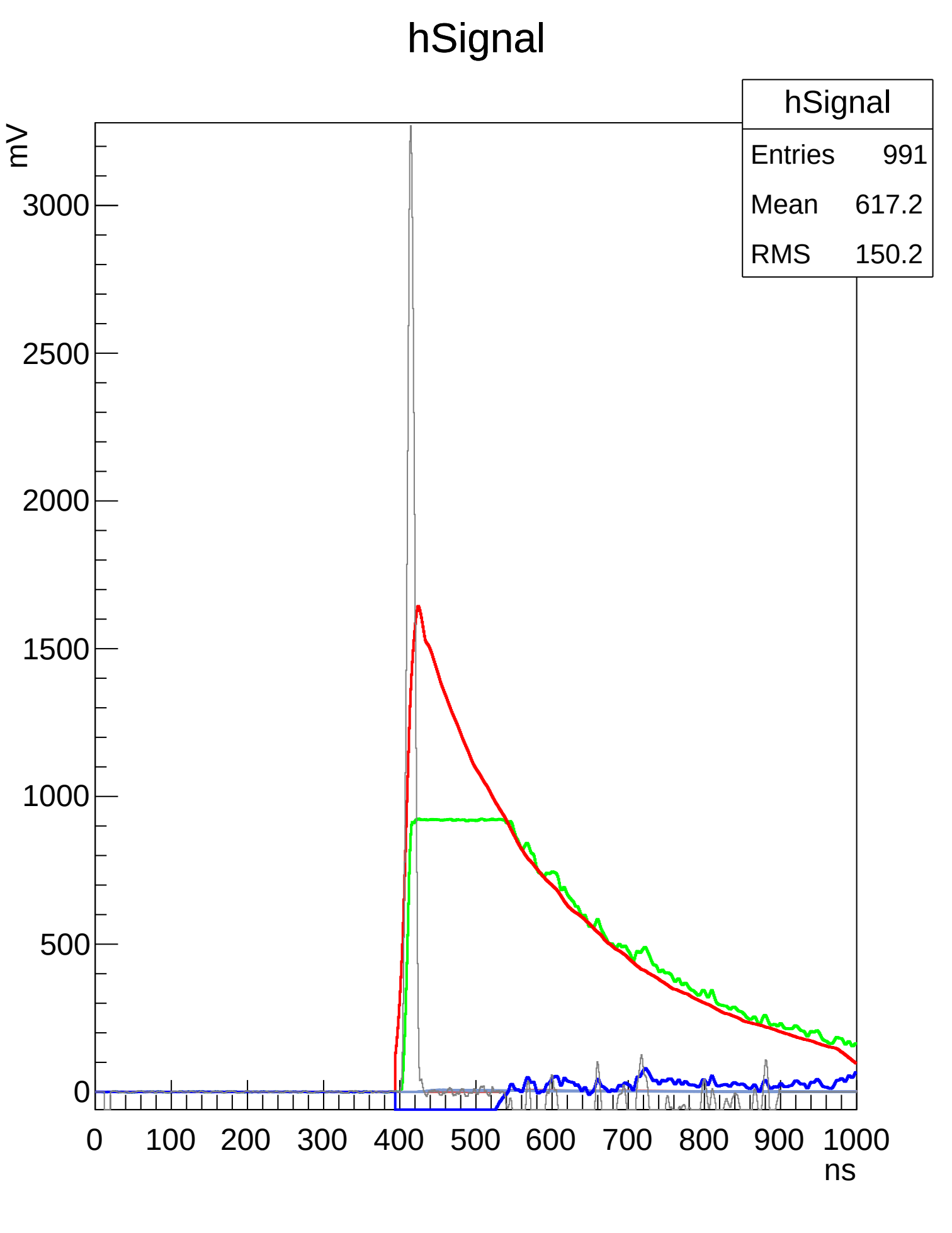

hSignal
hSignal
Entries 991
Mean 616.1
RMS 77.15
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

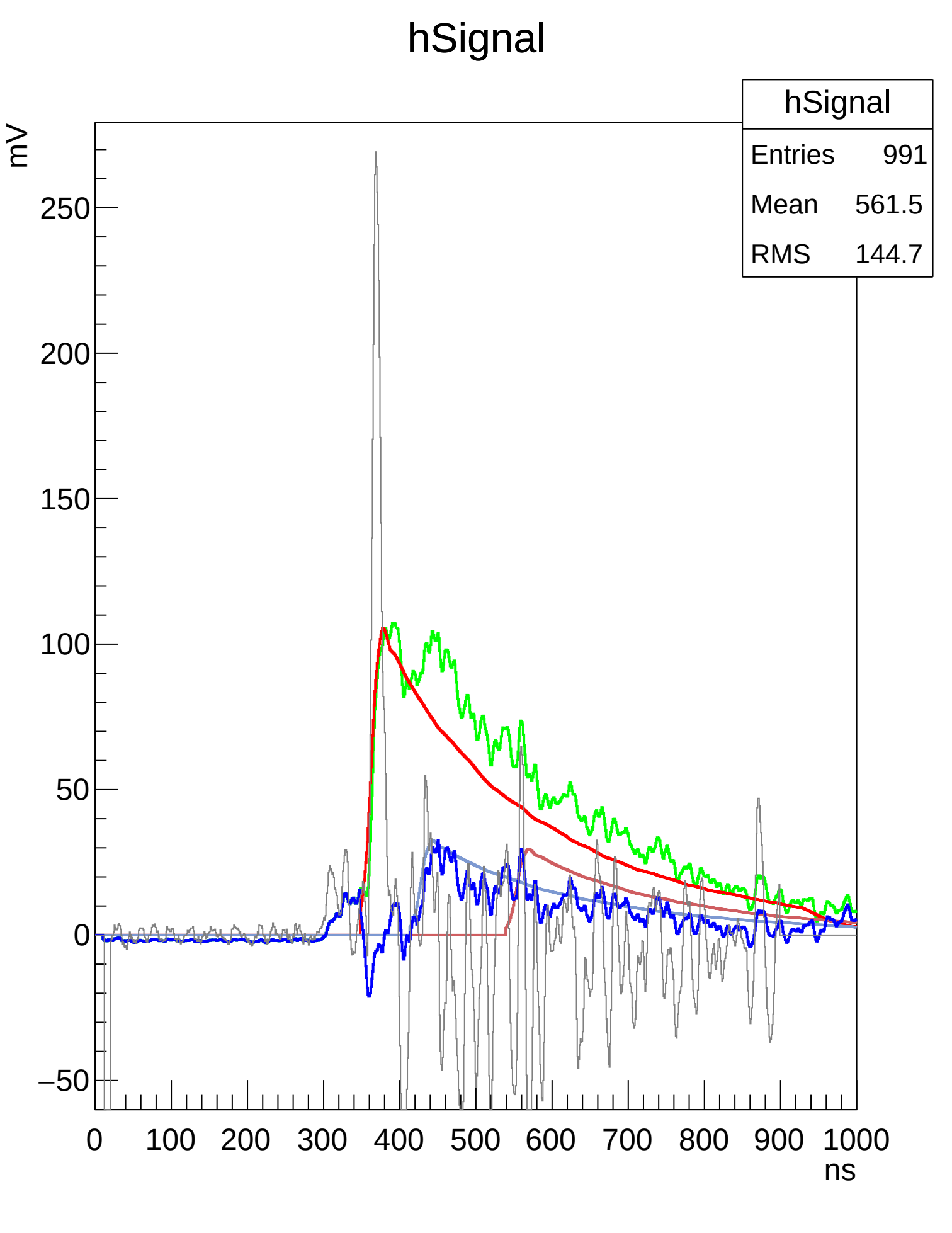

hSignal
hSignal
Entries 991
Mean 608.7
RMS 147.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

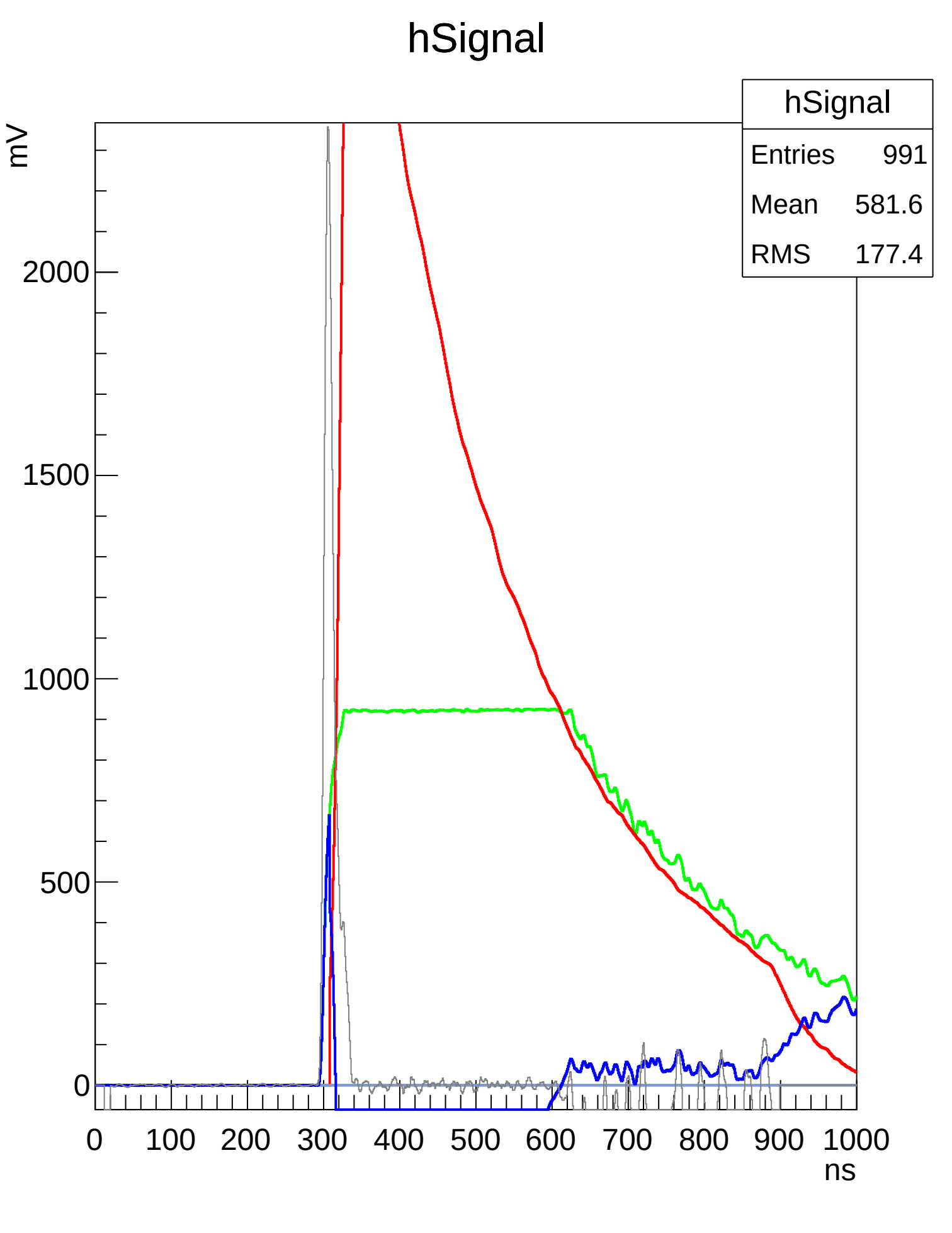

hSignal
hSignal
Entries 991
Mean 592.7
RMS 98.09
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

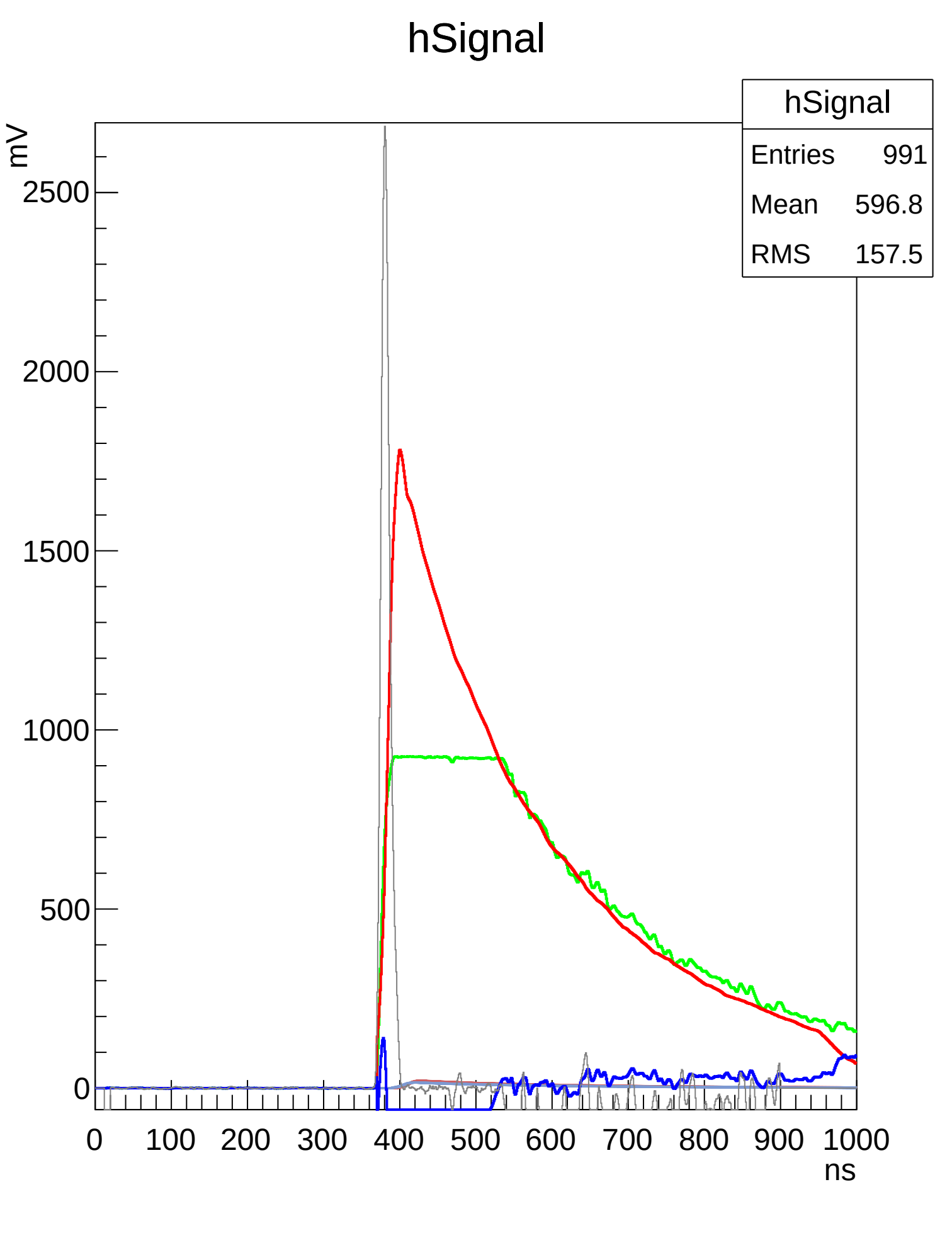

hSignal
hSignal
Entries 991
Mean 609.6
RMS 144.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

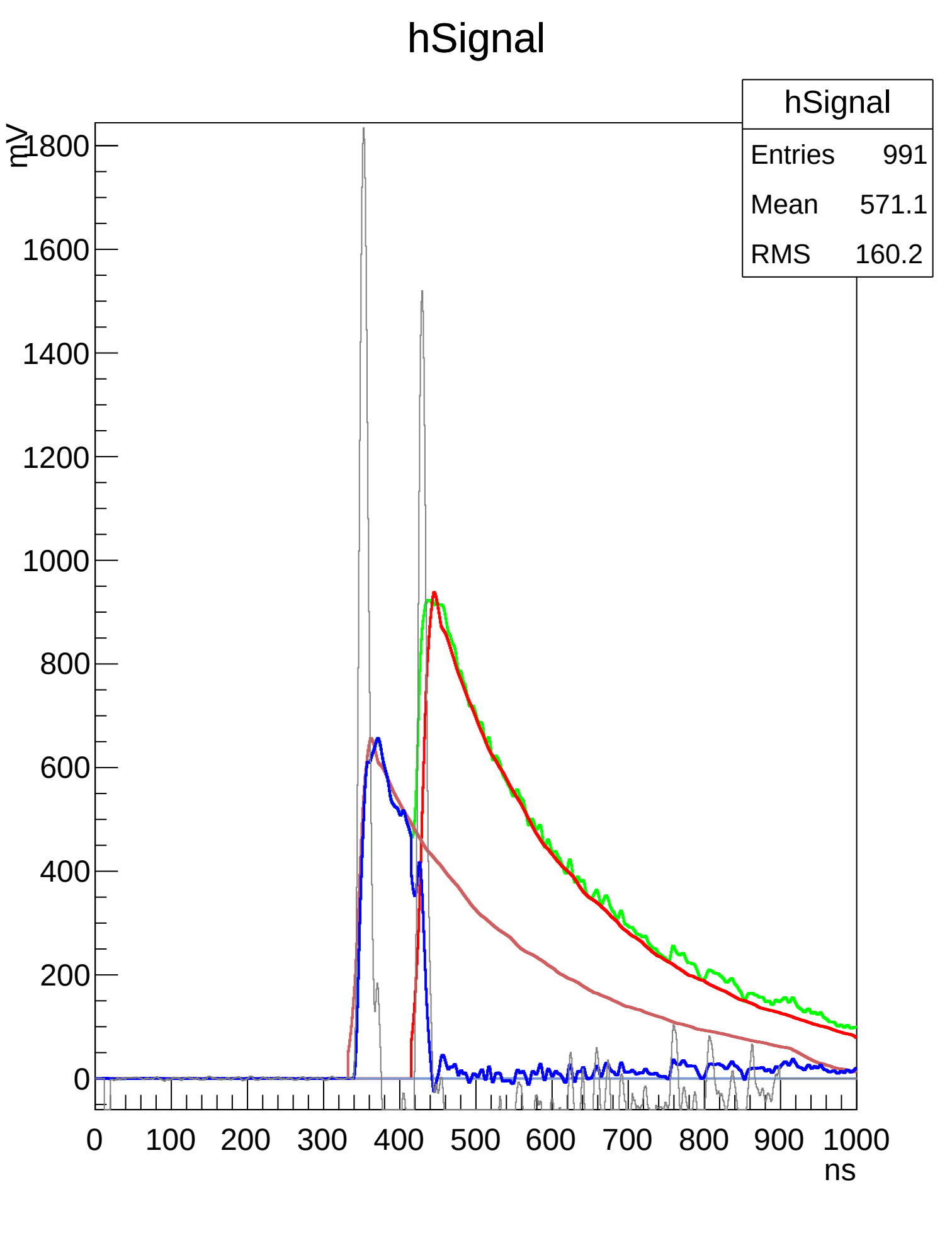

hSignal
hSignal
Entries 991
Mean 616.7
RMS 149.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

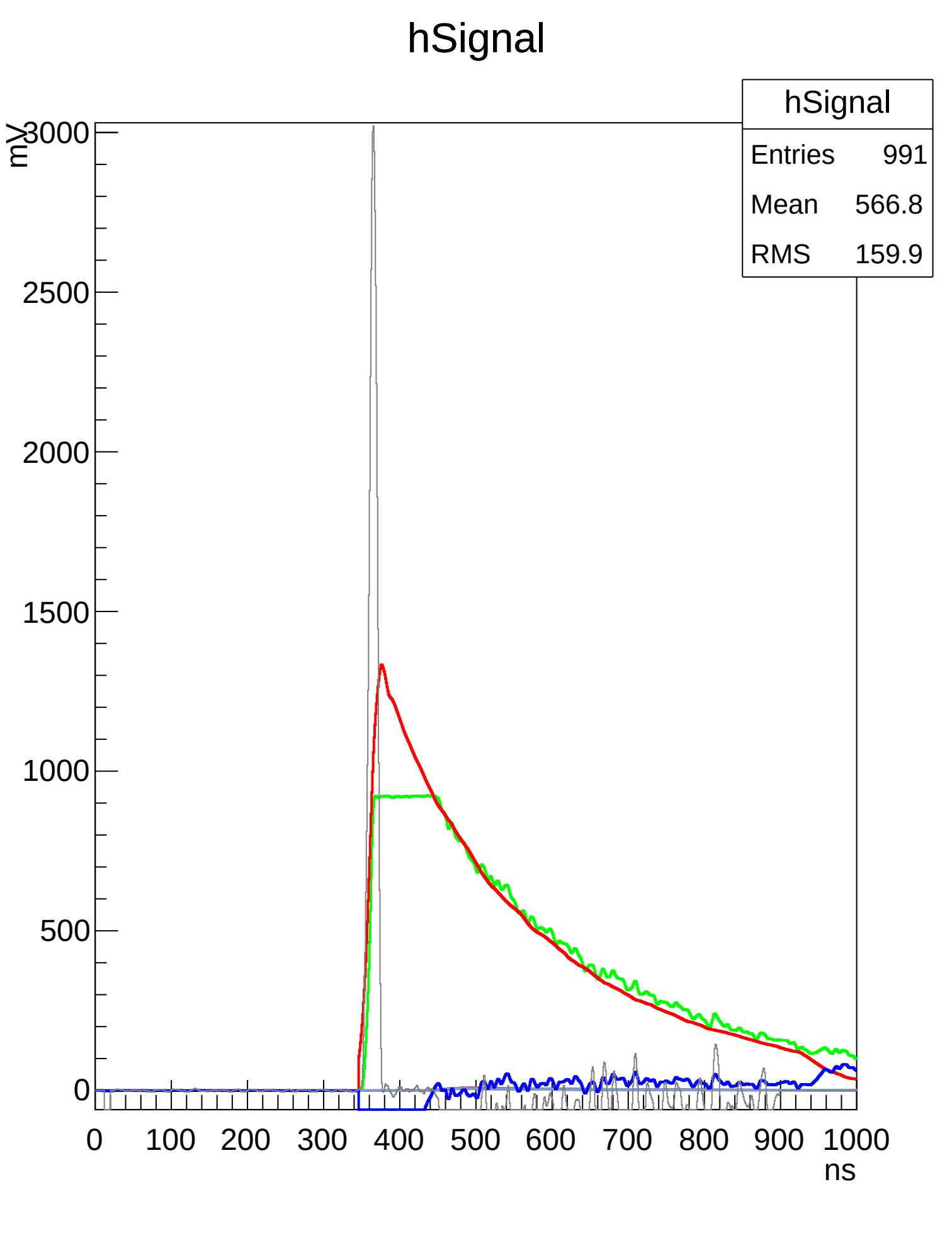

hSignal
hSignal
Entries 991
Mean 617.2
RMS 150.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

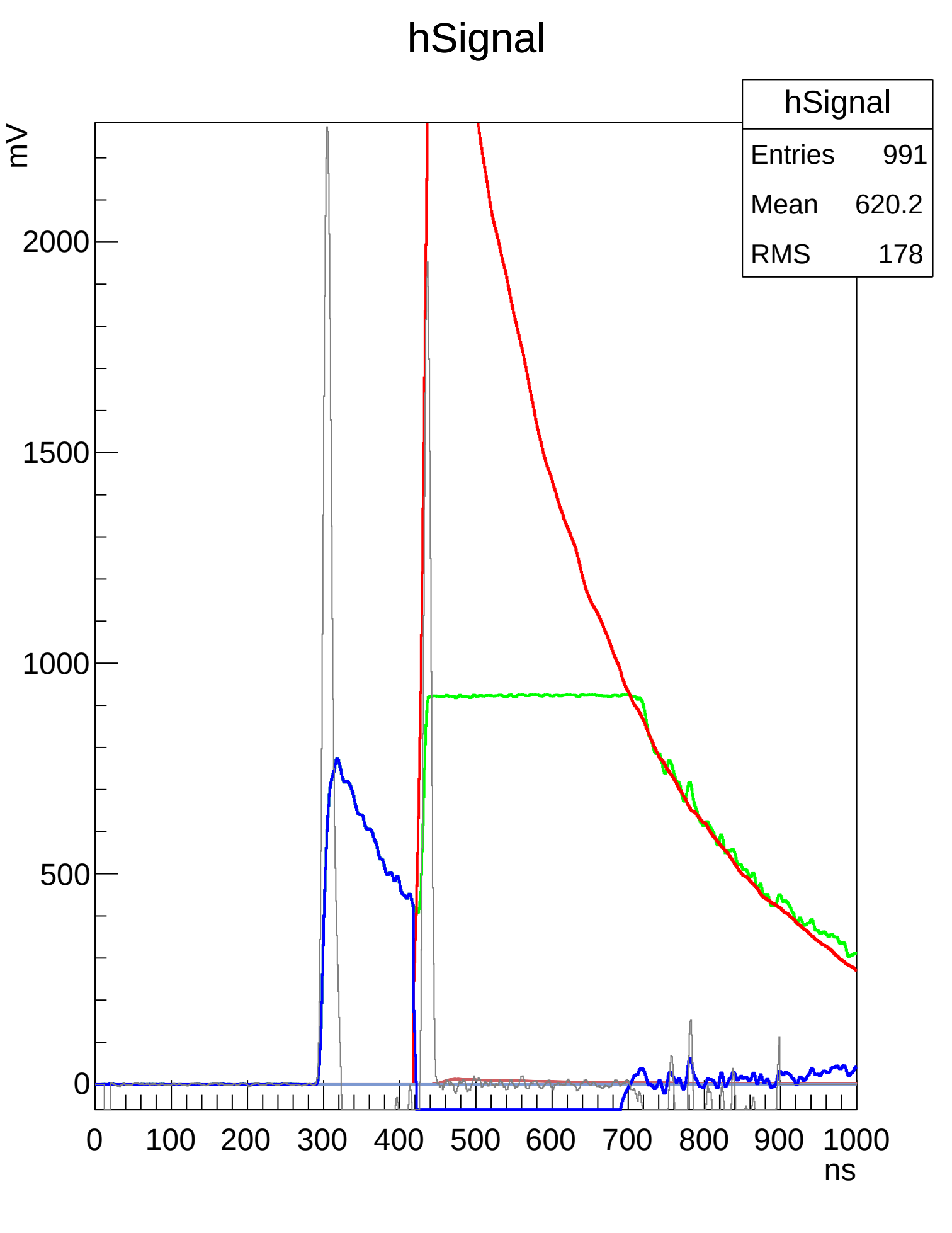

hSignal
hSignal
Entries 991
Mean 561.5
RMS 144.7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

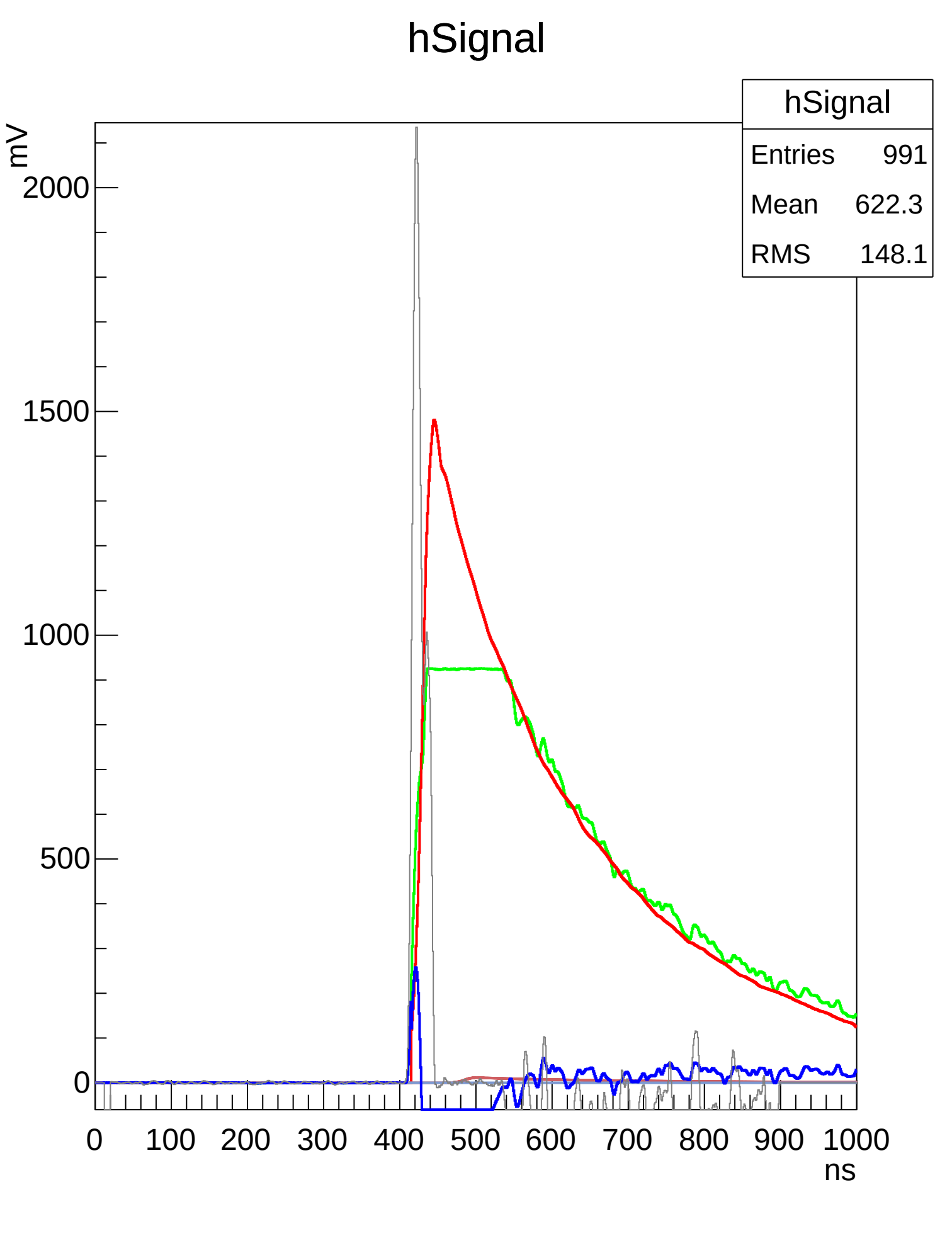

hSignal
hSignal
Entries 991
Mean 581.6
RMS 177.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

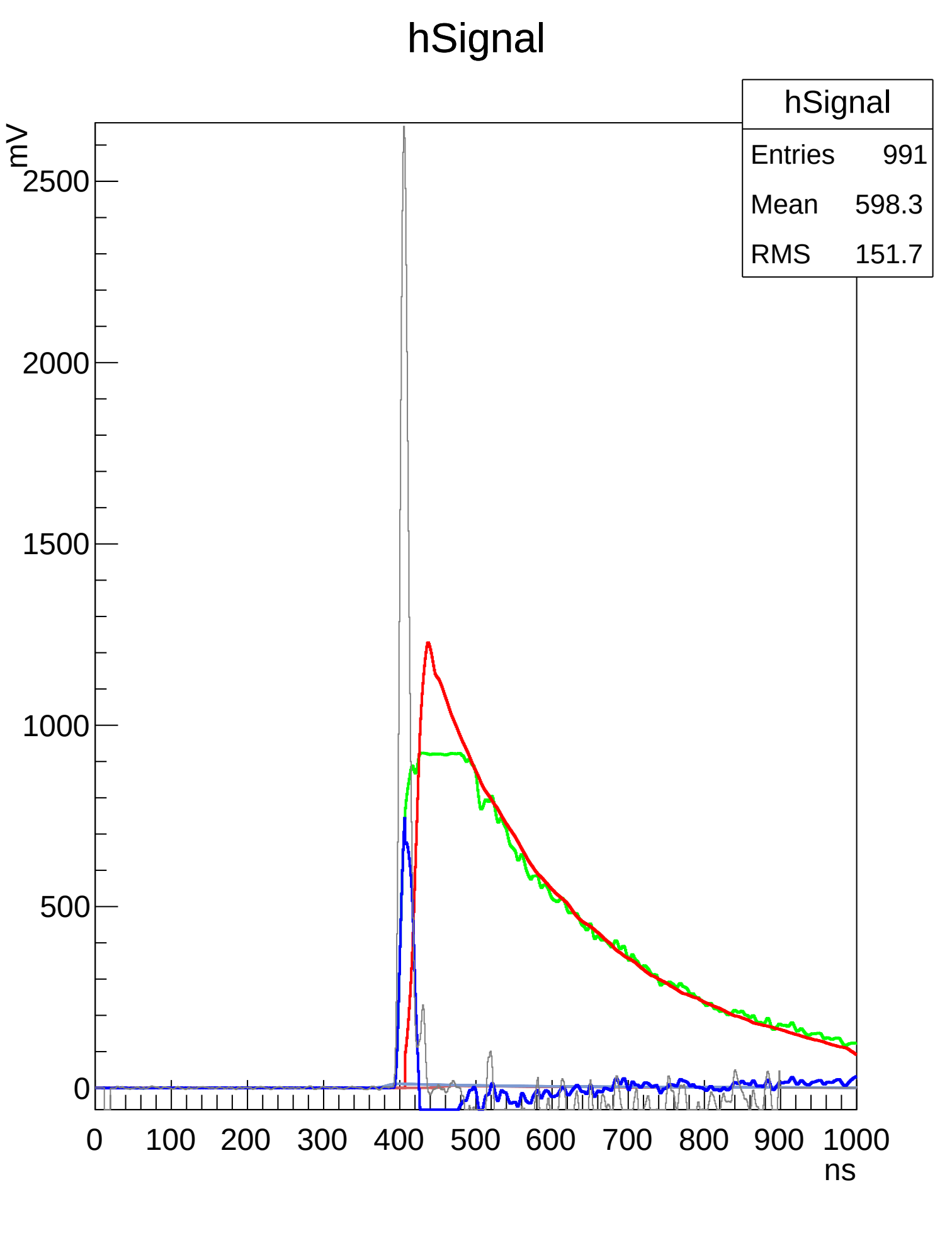

hSignal
hSignal
Entries 991
Mean 596.8
RMS 157.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

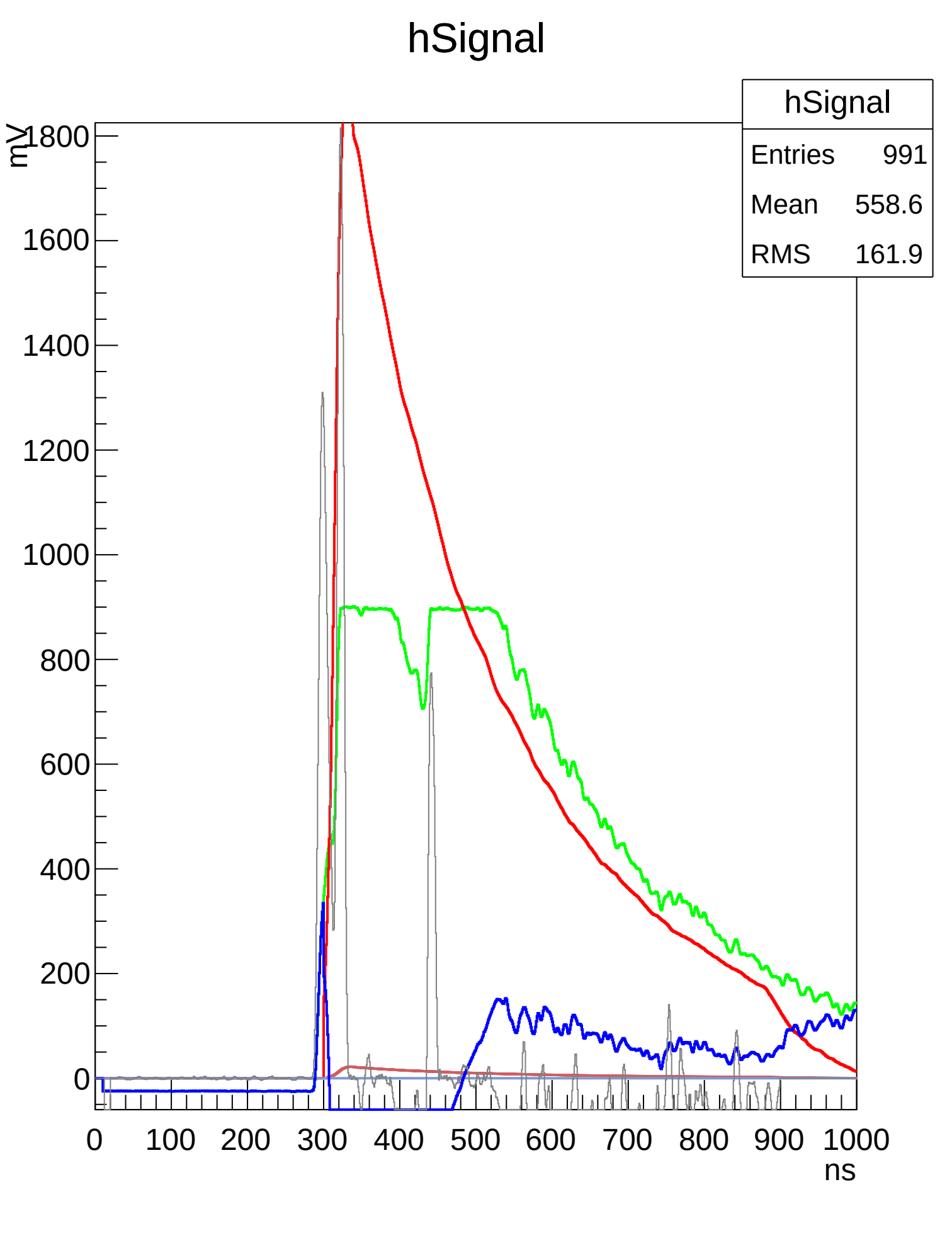

hSignal
hSignal
Entries 991
Mean 571.1
RMS 160.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

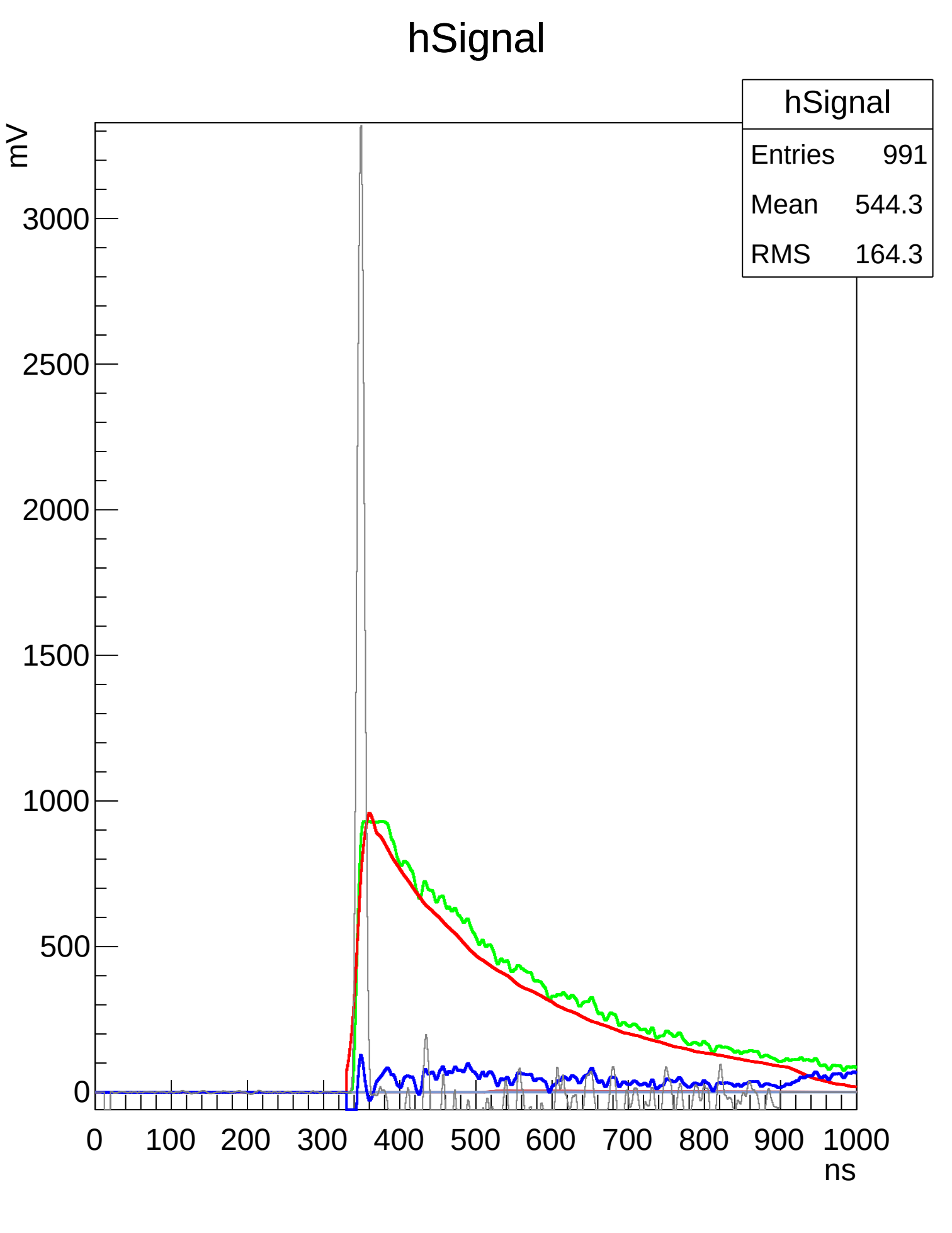

hSignal
hSignal
Entries 991
Mean 566.8
RMS 159.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

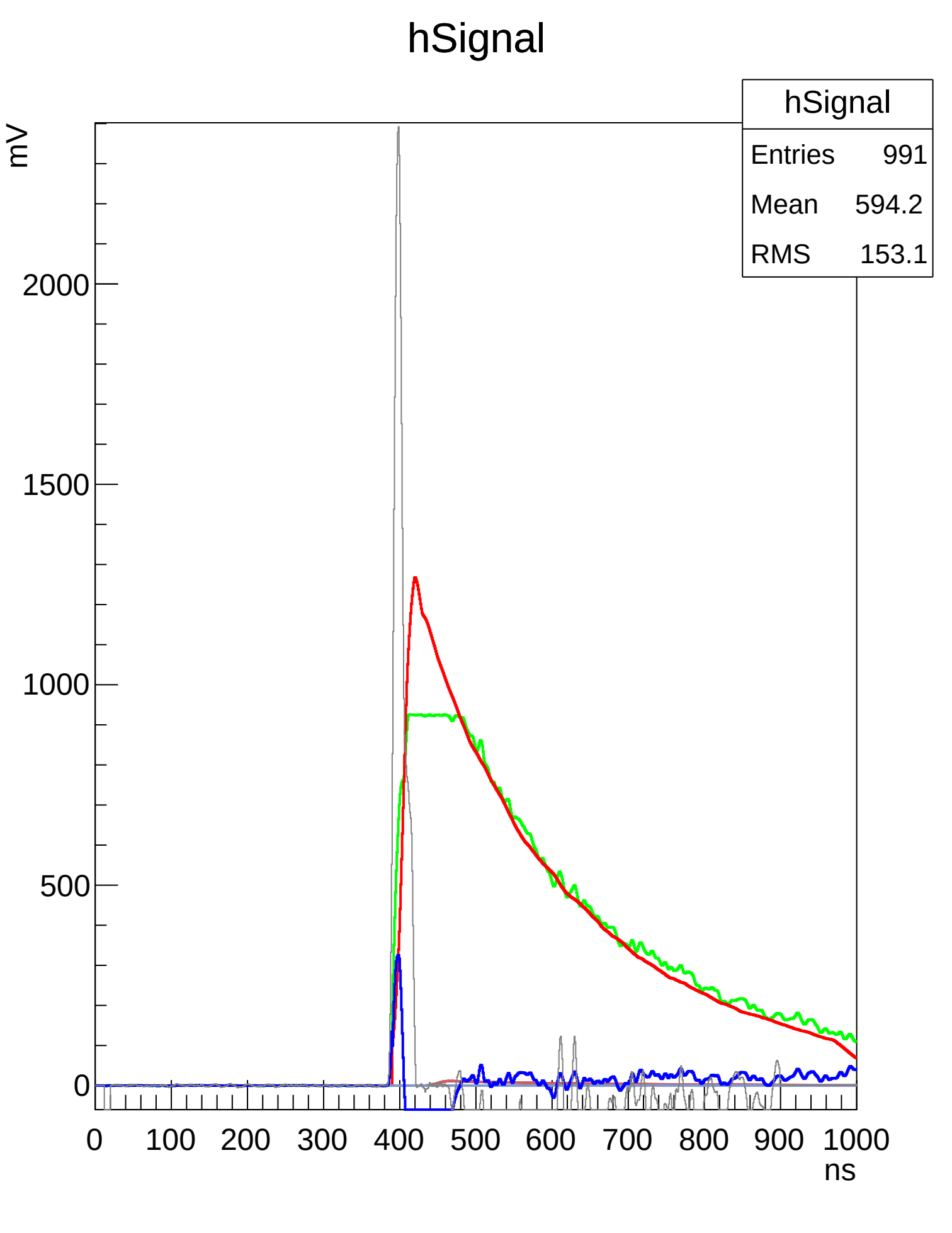

hSignal
hSignal
Entries 991
Mean 620.2
RMS 178
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

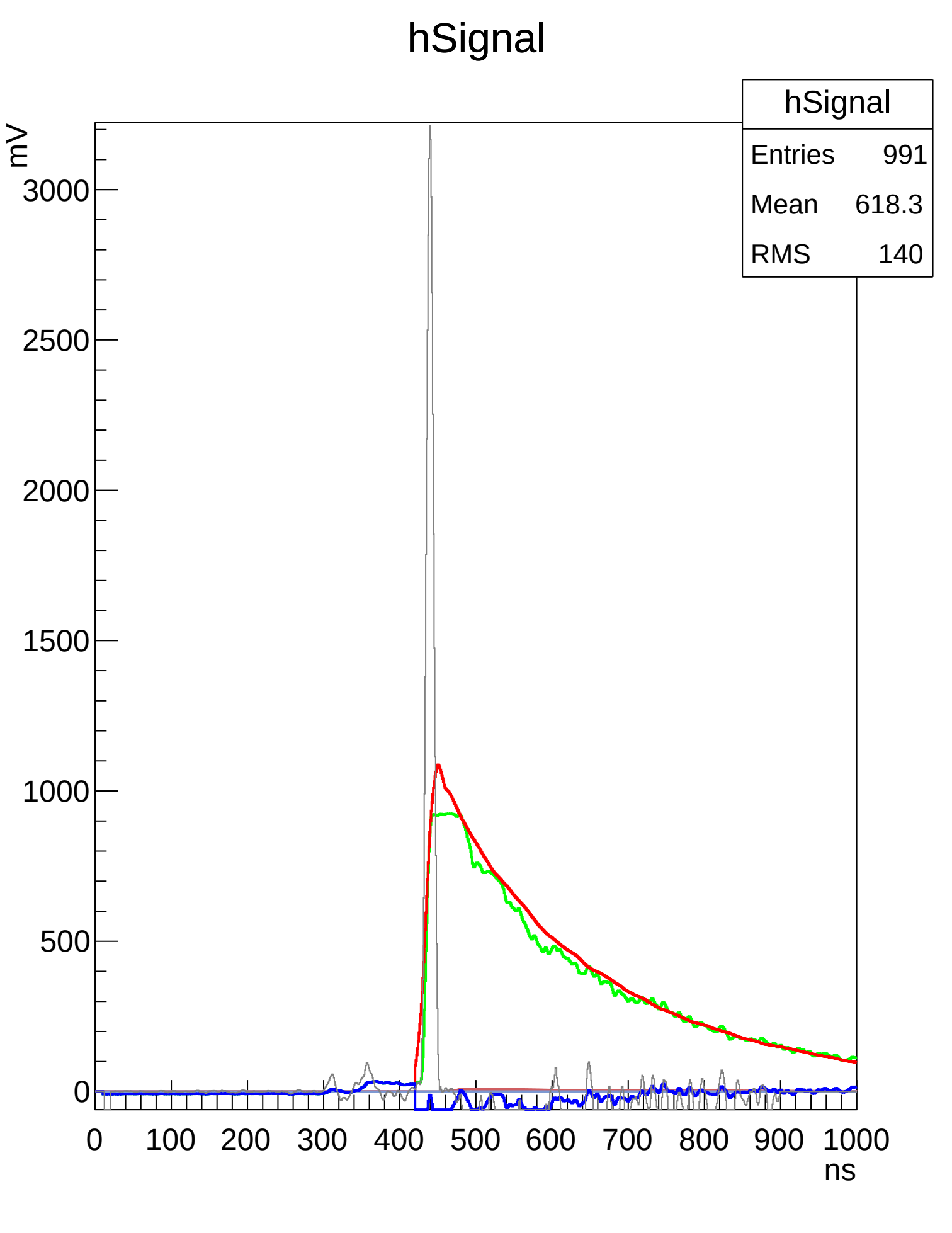

hSignal
hSignal
Entries 991
Mean 622.3
RMS 148.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

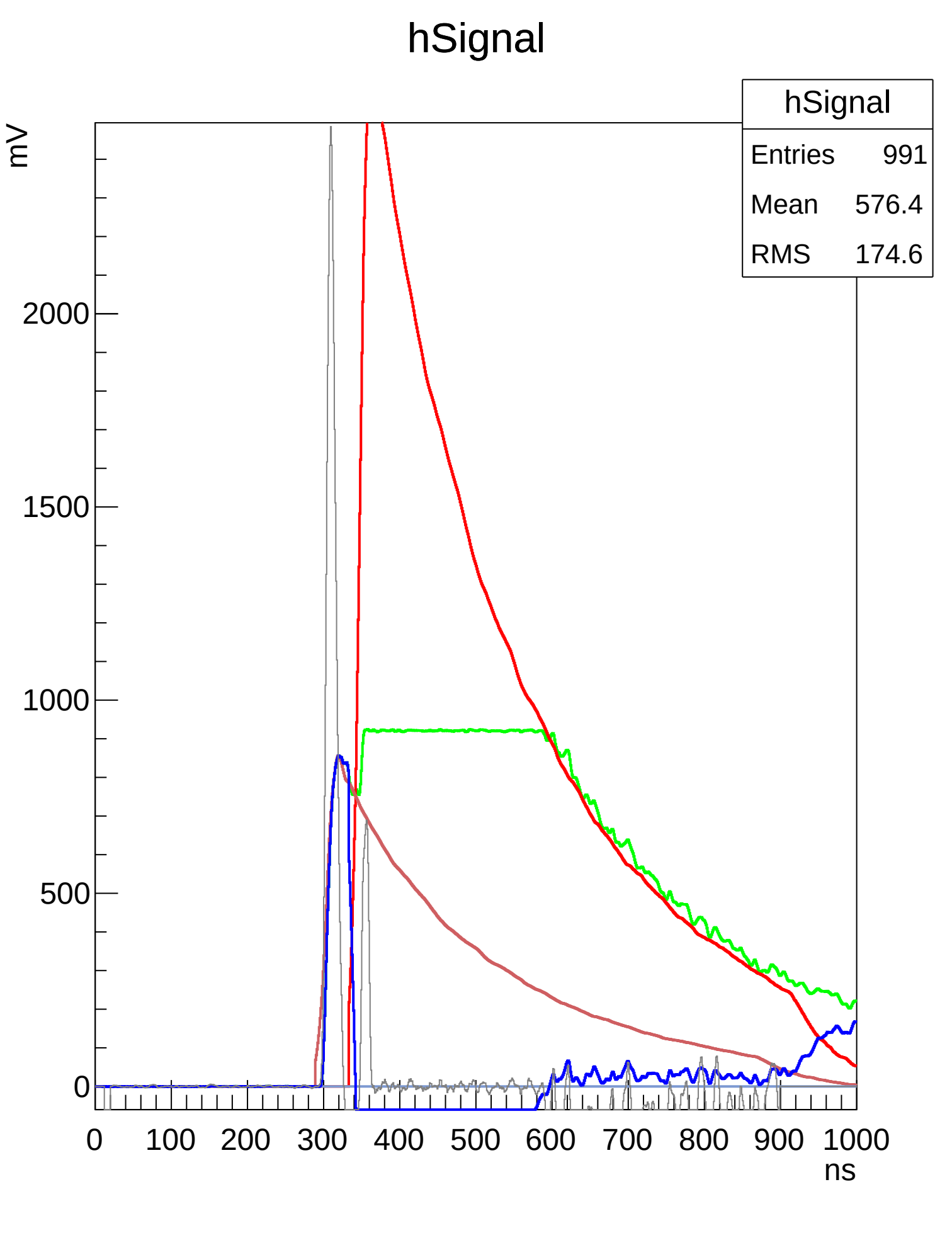

hSignal
hSignal
Entries 991
Mean 598.3
RMS 151.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

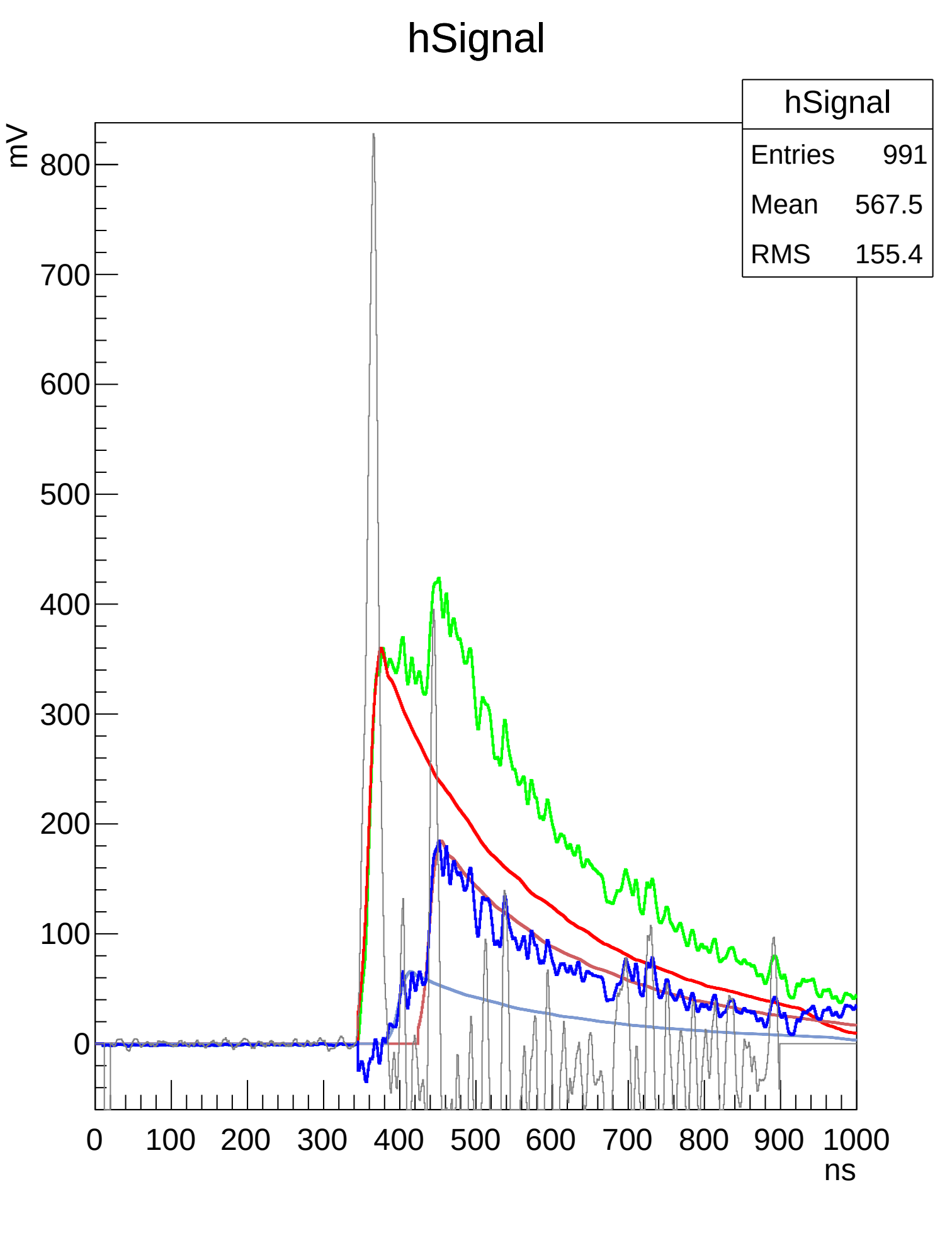

hSignal
hSignal
Entries 991
Mean 558.6
RMS 161.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

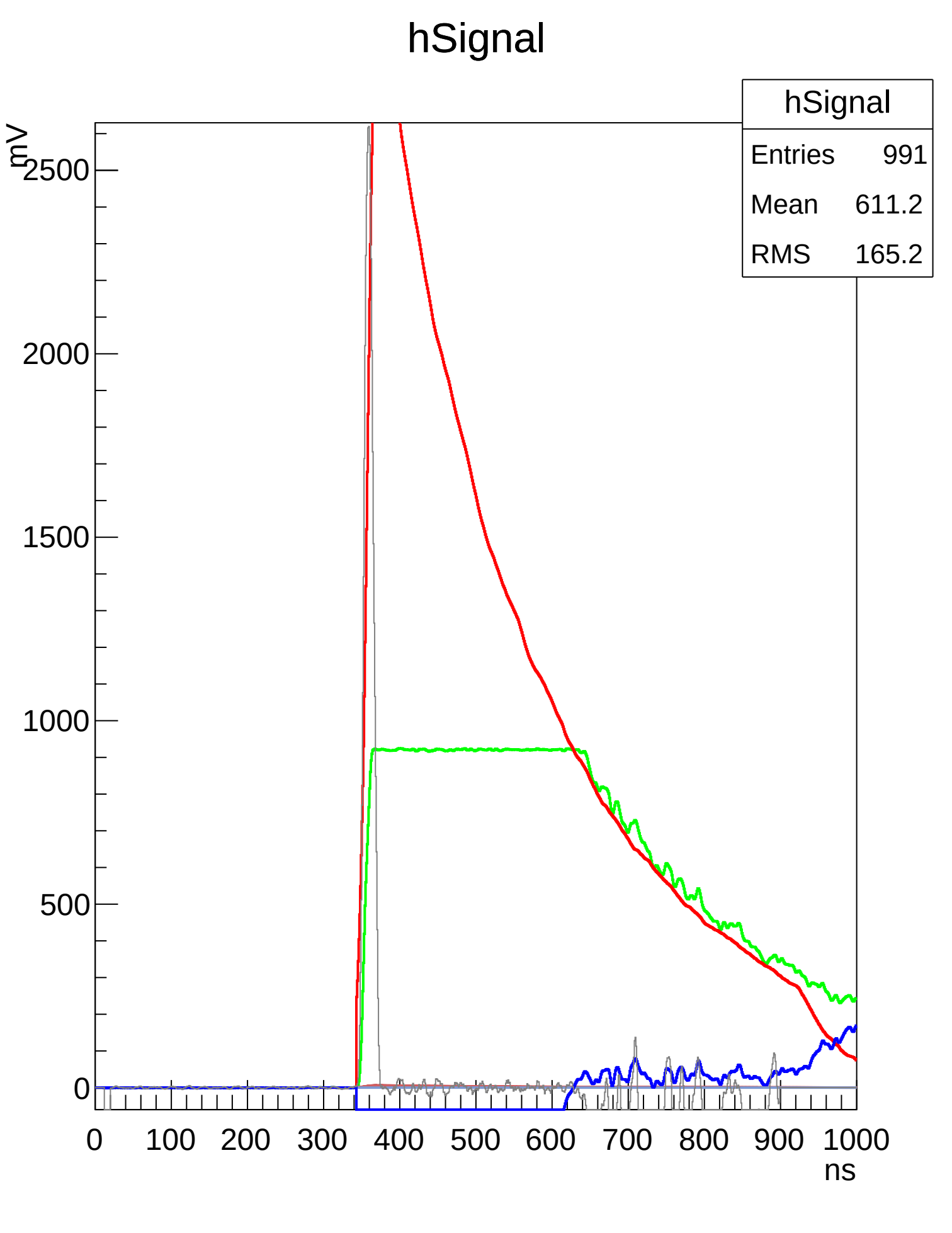

hSignal
hSignal
Entries 991
Mean 544.3
RMS 164.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

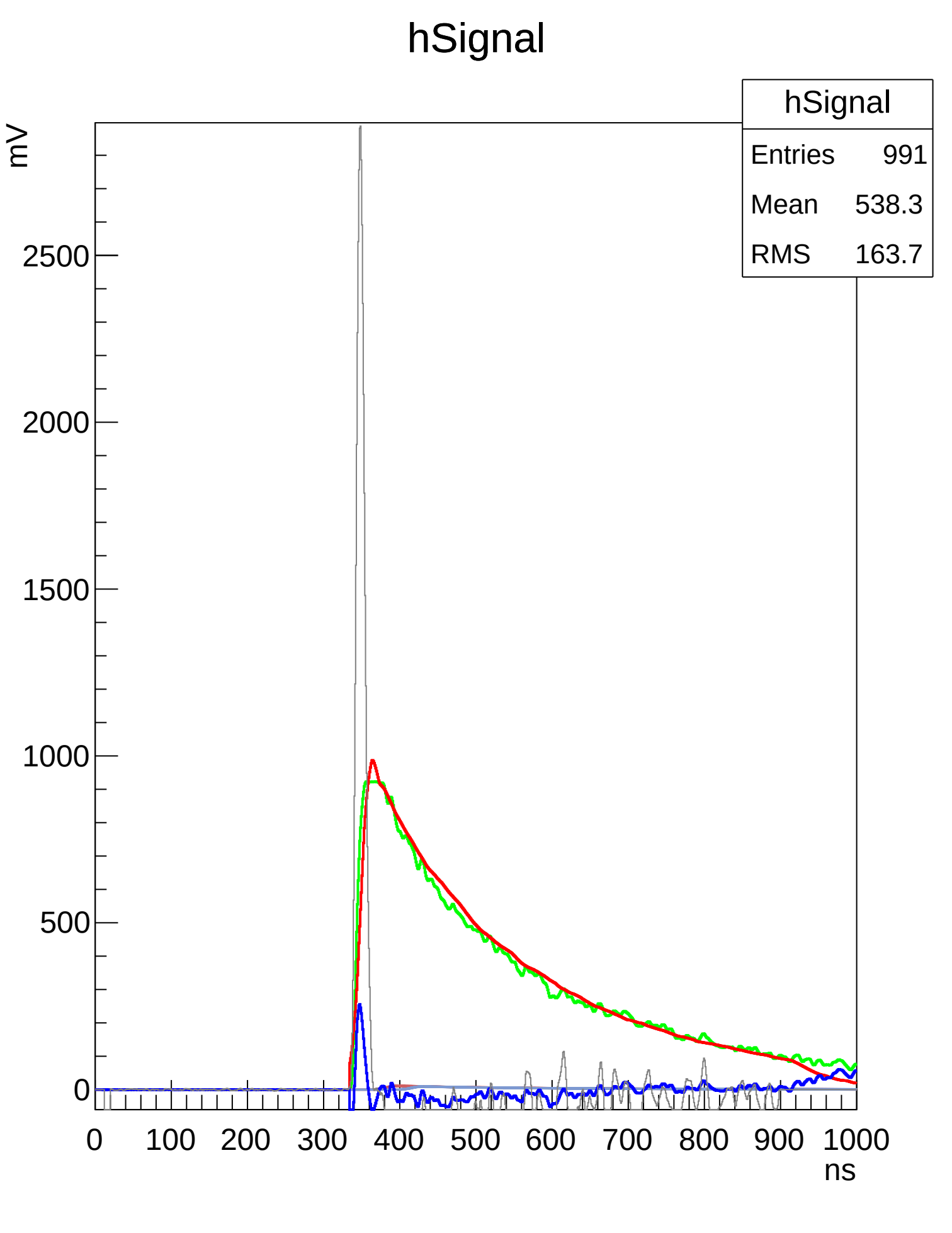

hSignal
hSignal
Entries 991
Mean 594.2
RMS 153.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

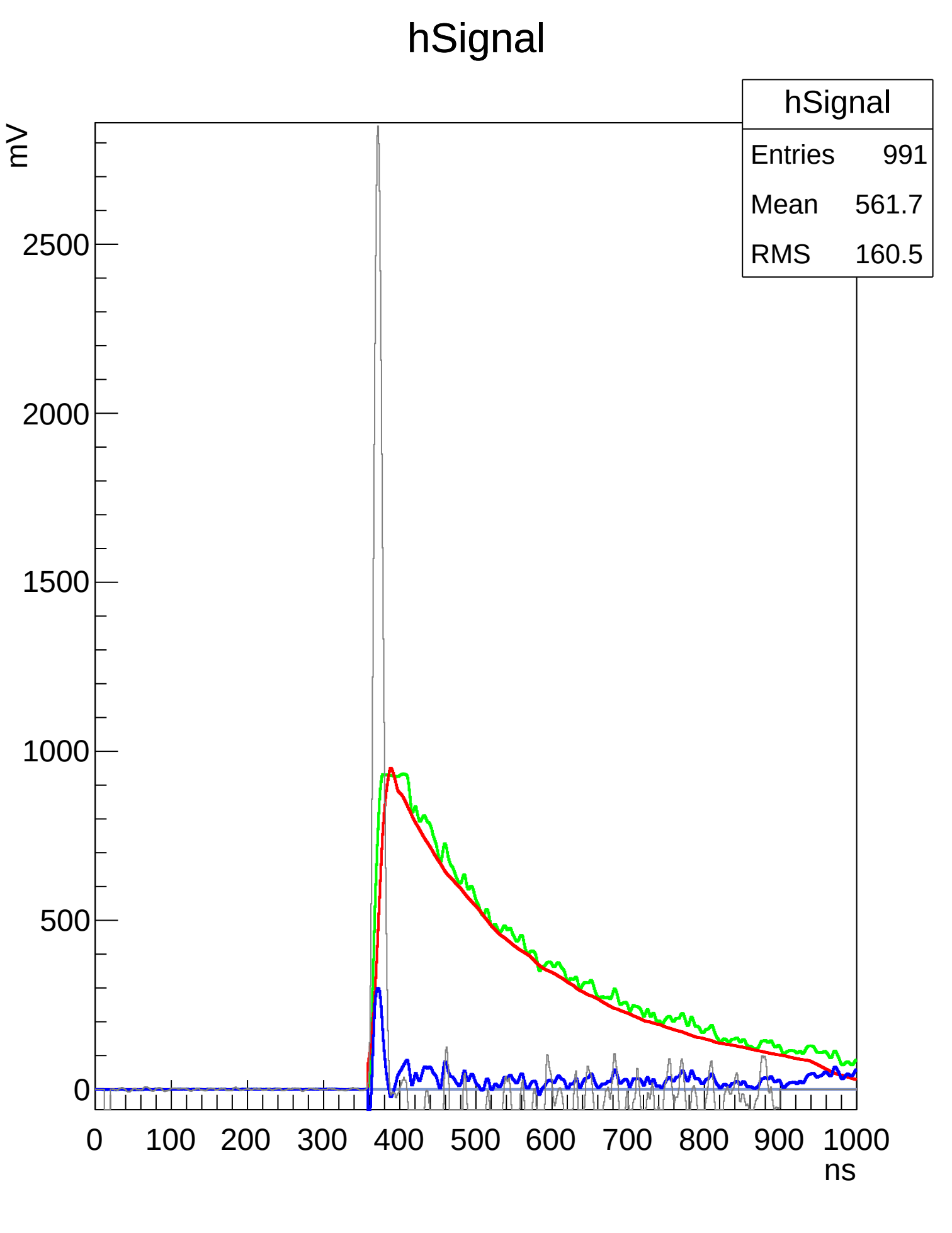

hSignal
hSignal
Entries 991
Mean 618.3
RMS 140
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

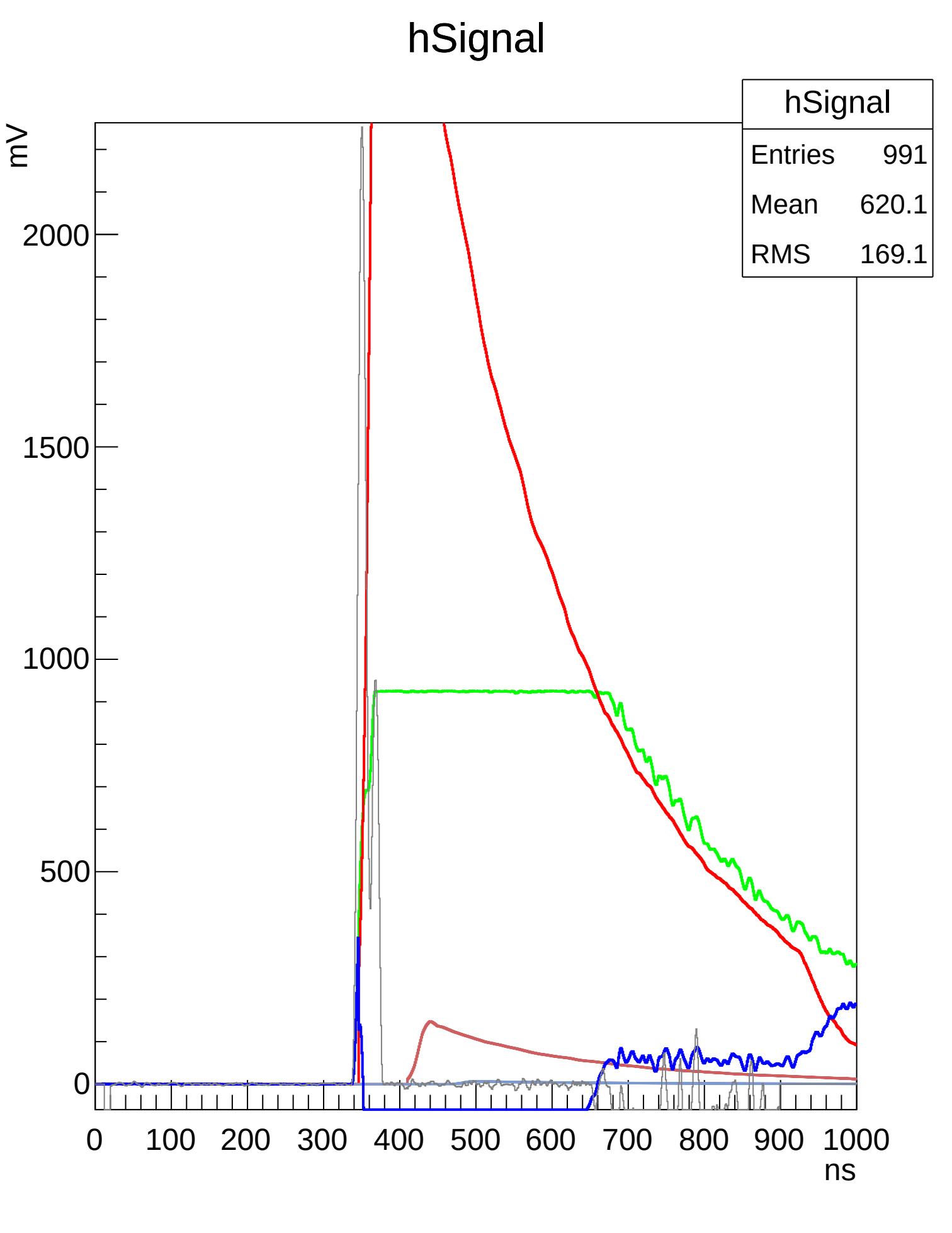

hSignal
hSignal
Entries 991
Mean 576.4
RMS 174.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

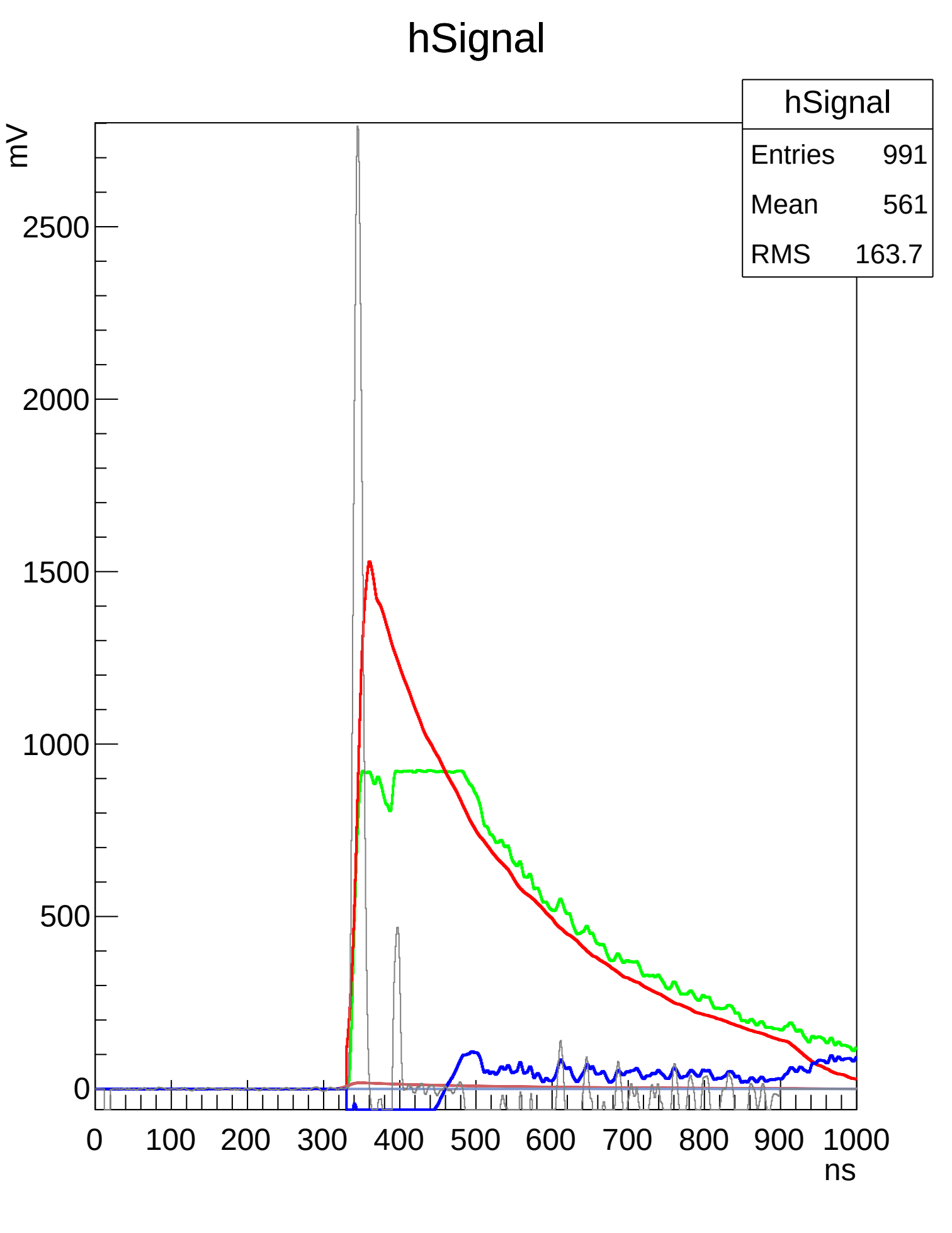

hSignal
hSignal
Entries 991
Mean 567.5
RMS 155.4
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

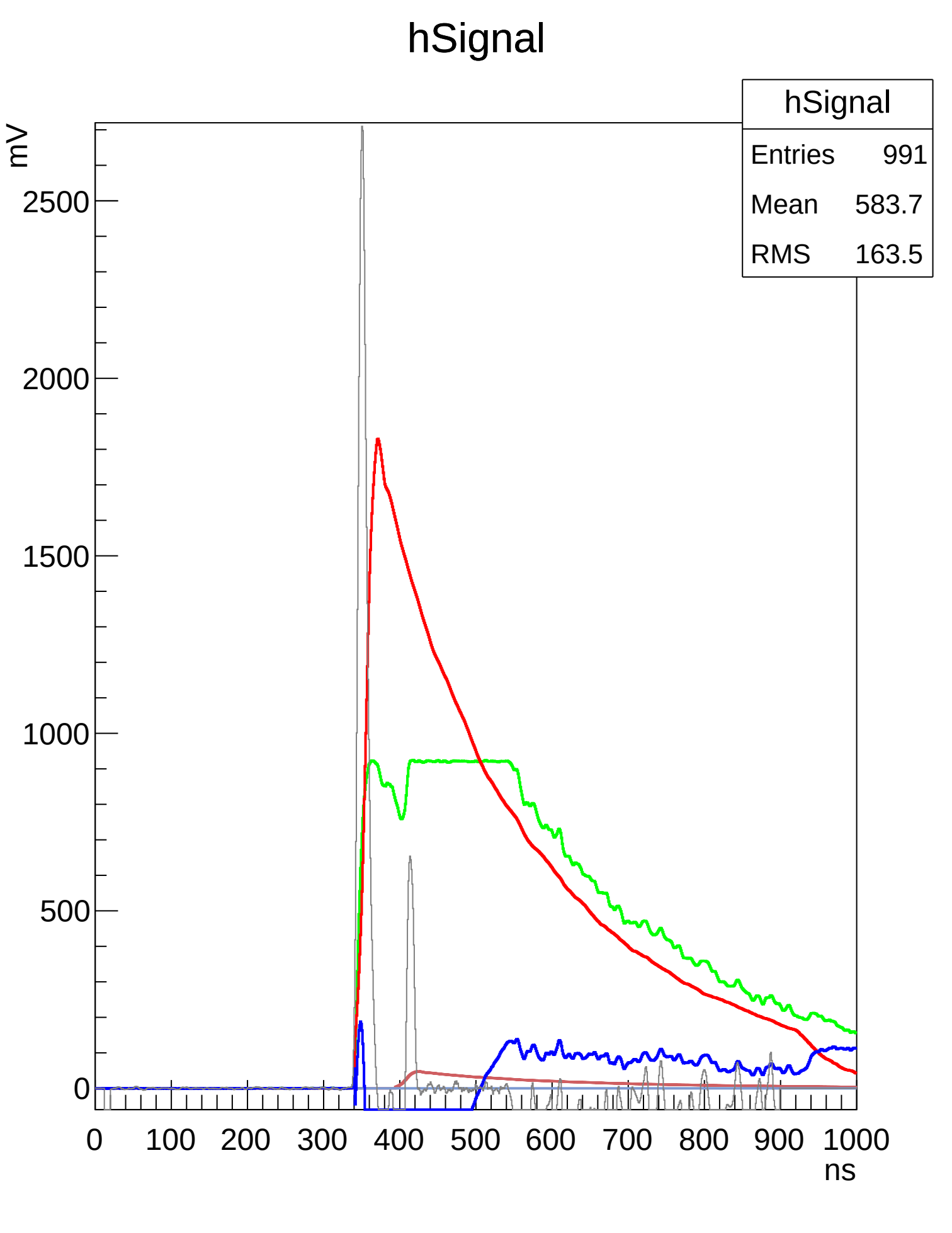

hSignal
hSignal
Entries 991
Mean 611.2
RMS 165.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

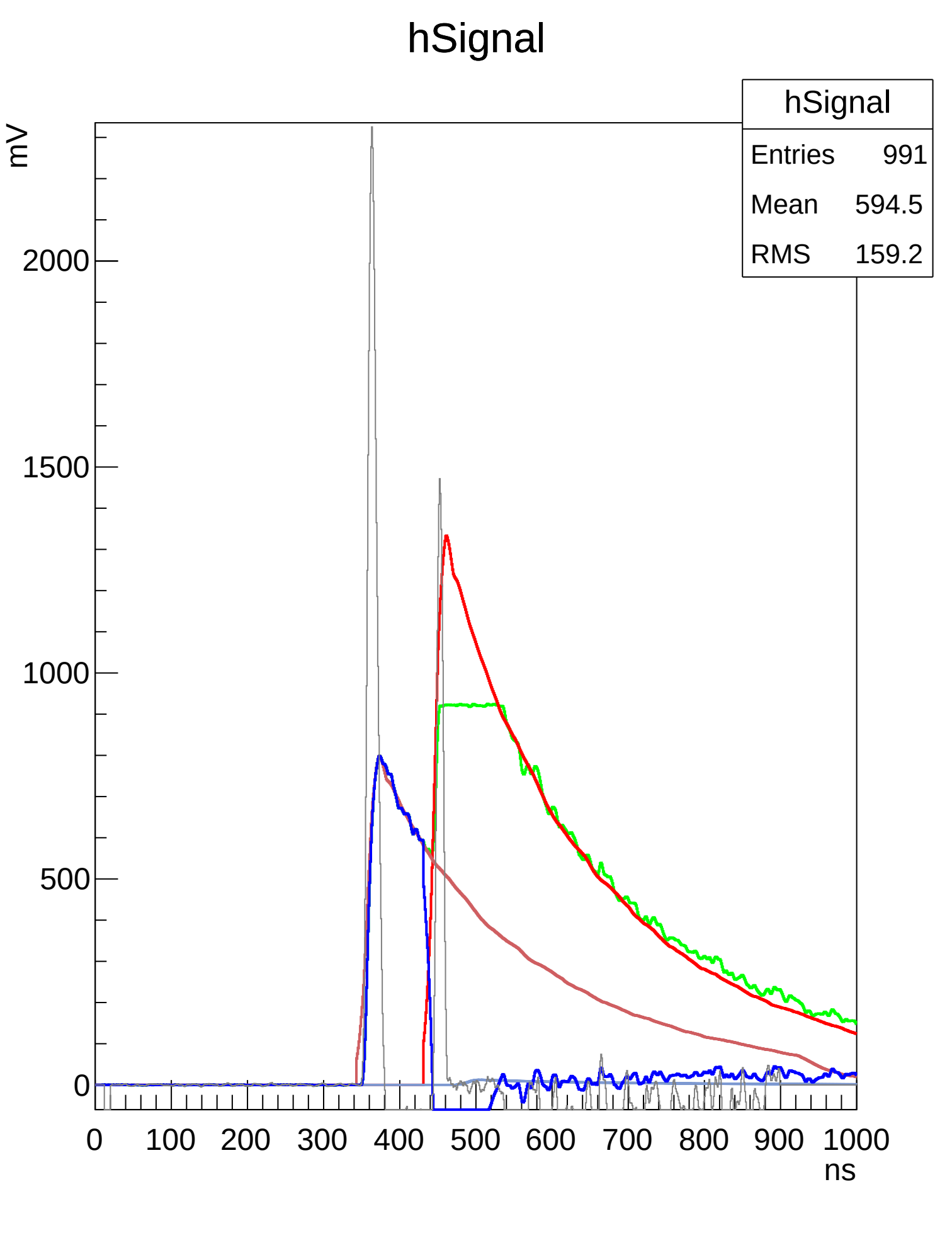

hSignal
hSignal
Entries 991
Mean 538.3
RMS 163.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

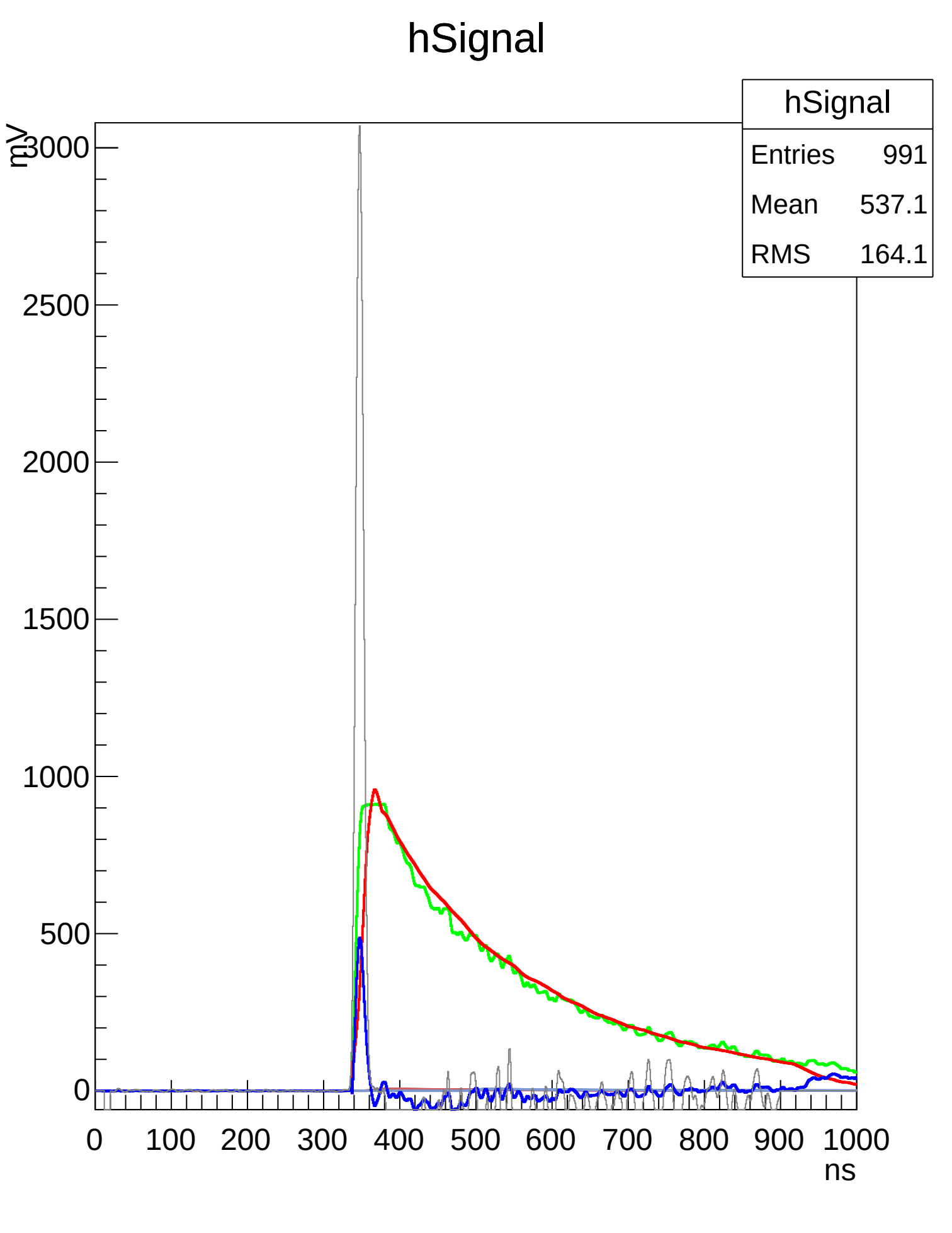

hSignal
hSignal
Entries 991
Mean 561.7
RMS 160.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

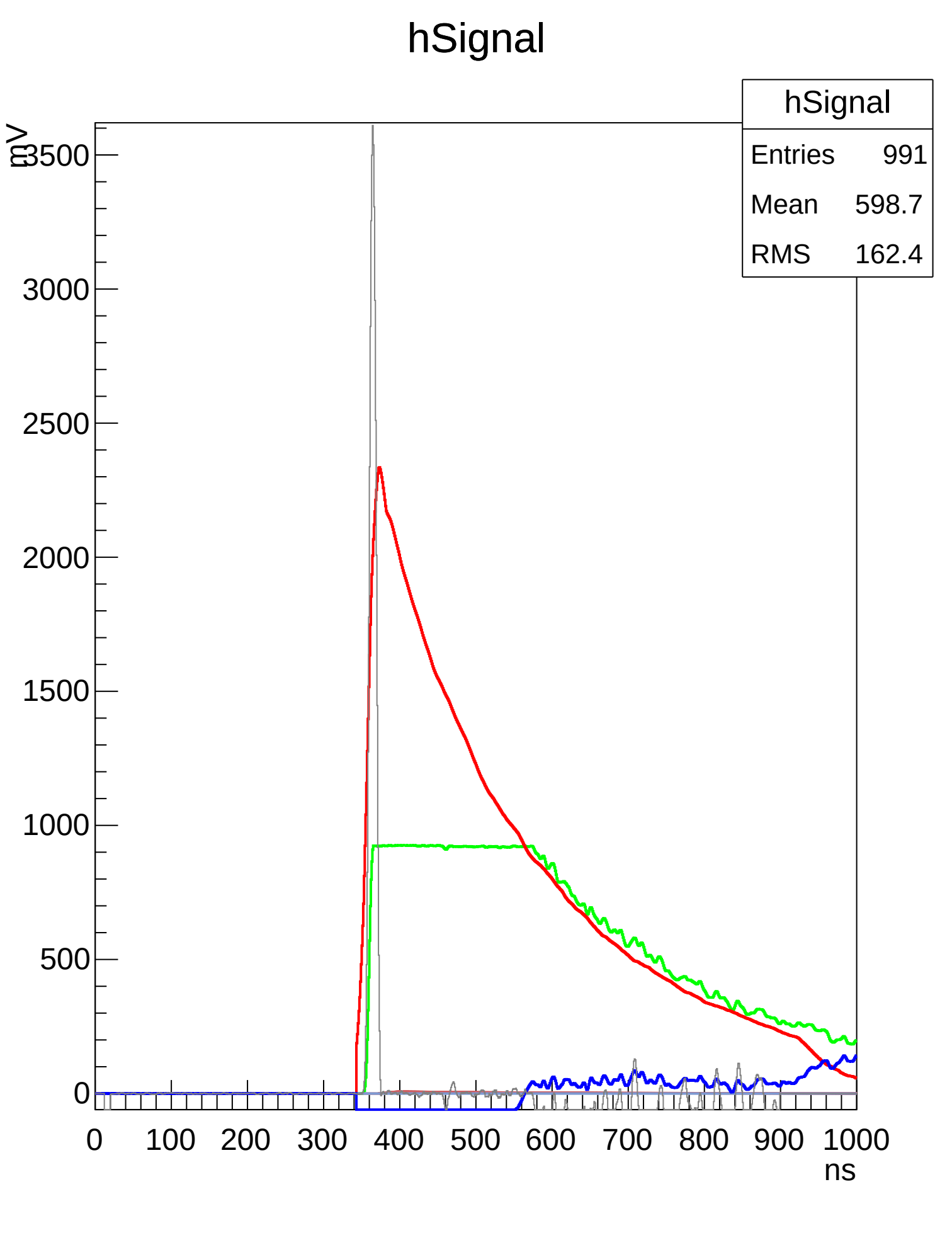

hSignal
hSignal
Entries 991
Mean 620.1
RMS 169.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

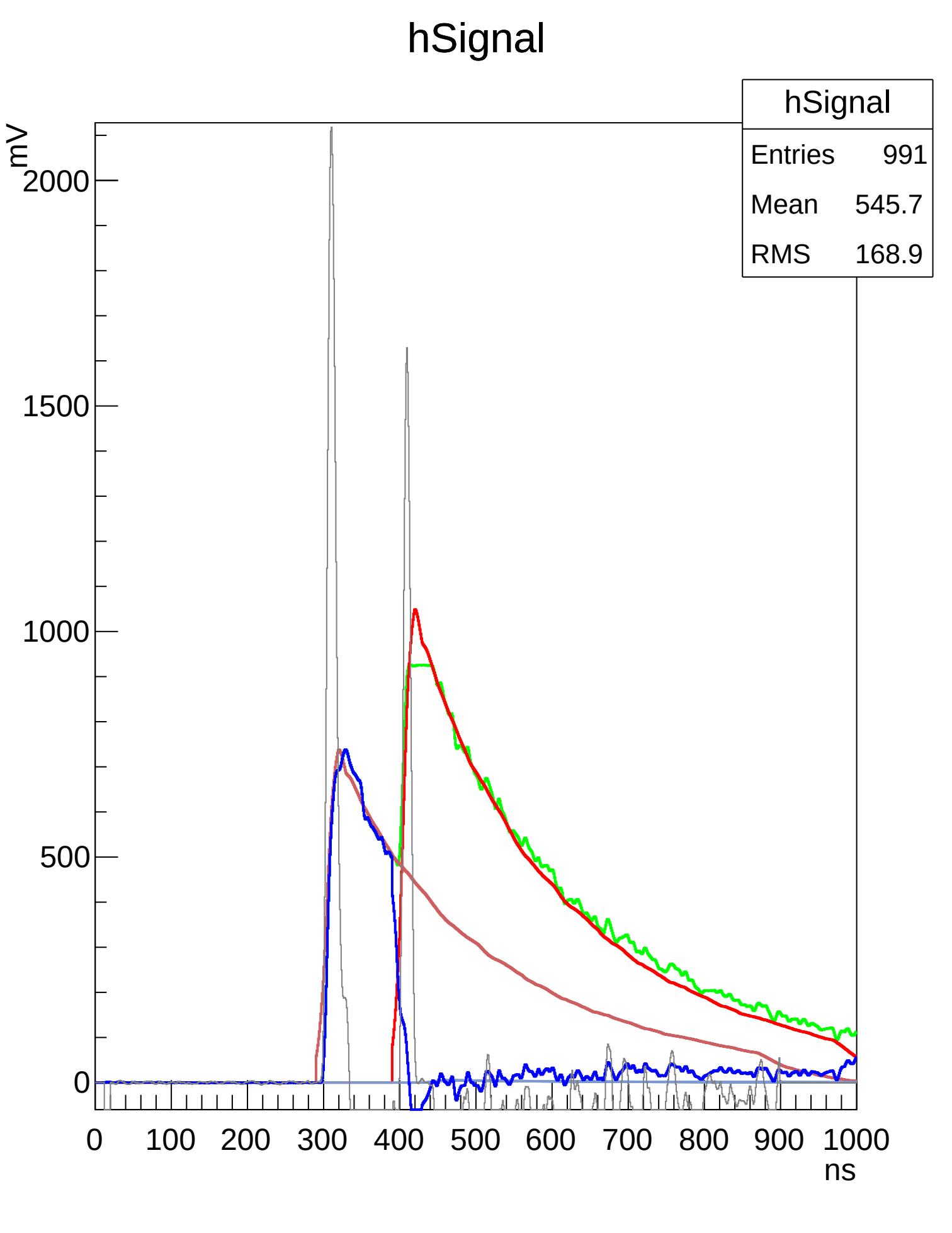

hSignal
hSignal
Entries 991
Mean 561
RMS 163.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

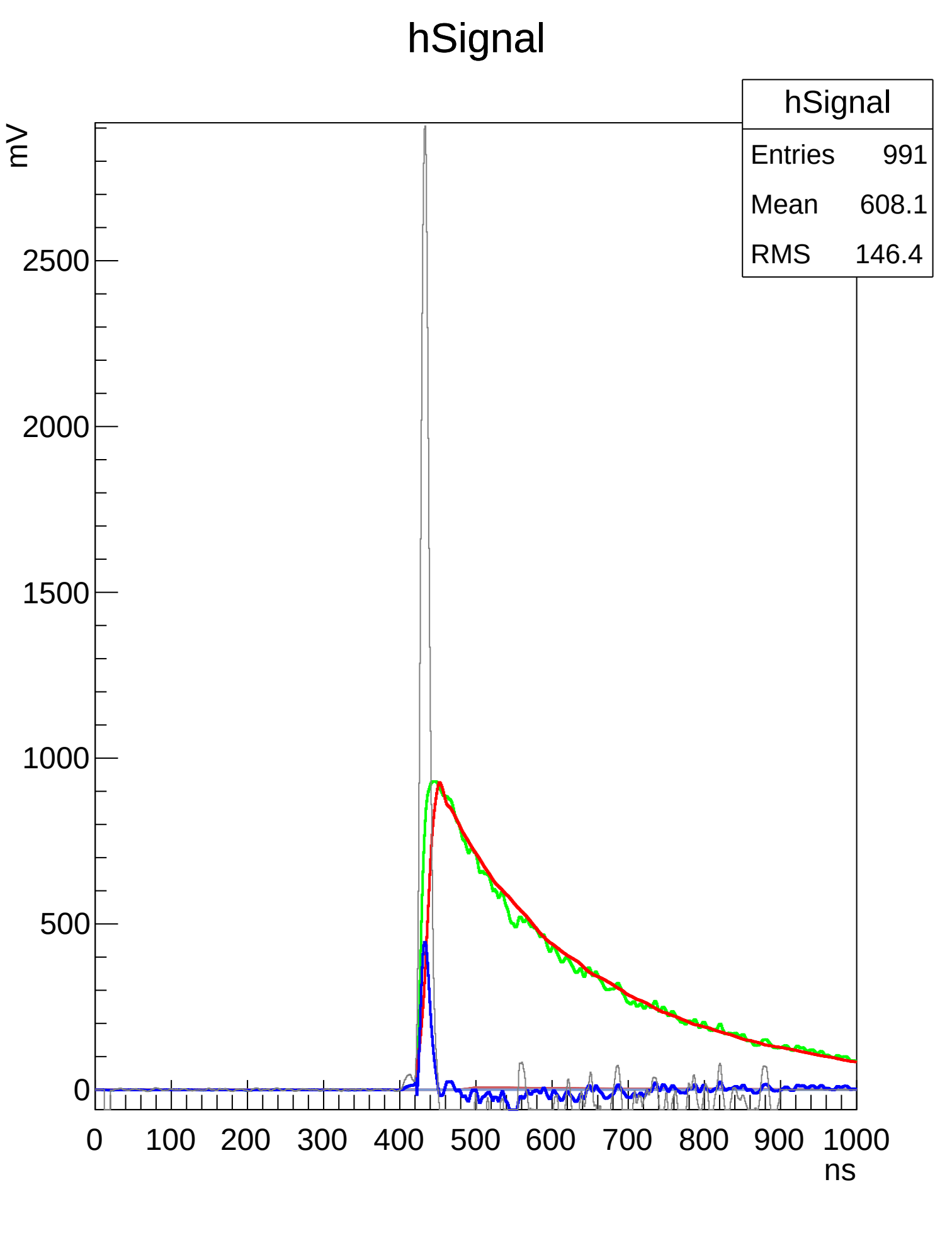

hSignal
hSignal
Entries 991
Mean 583.7
RMS 163.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

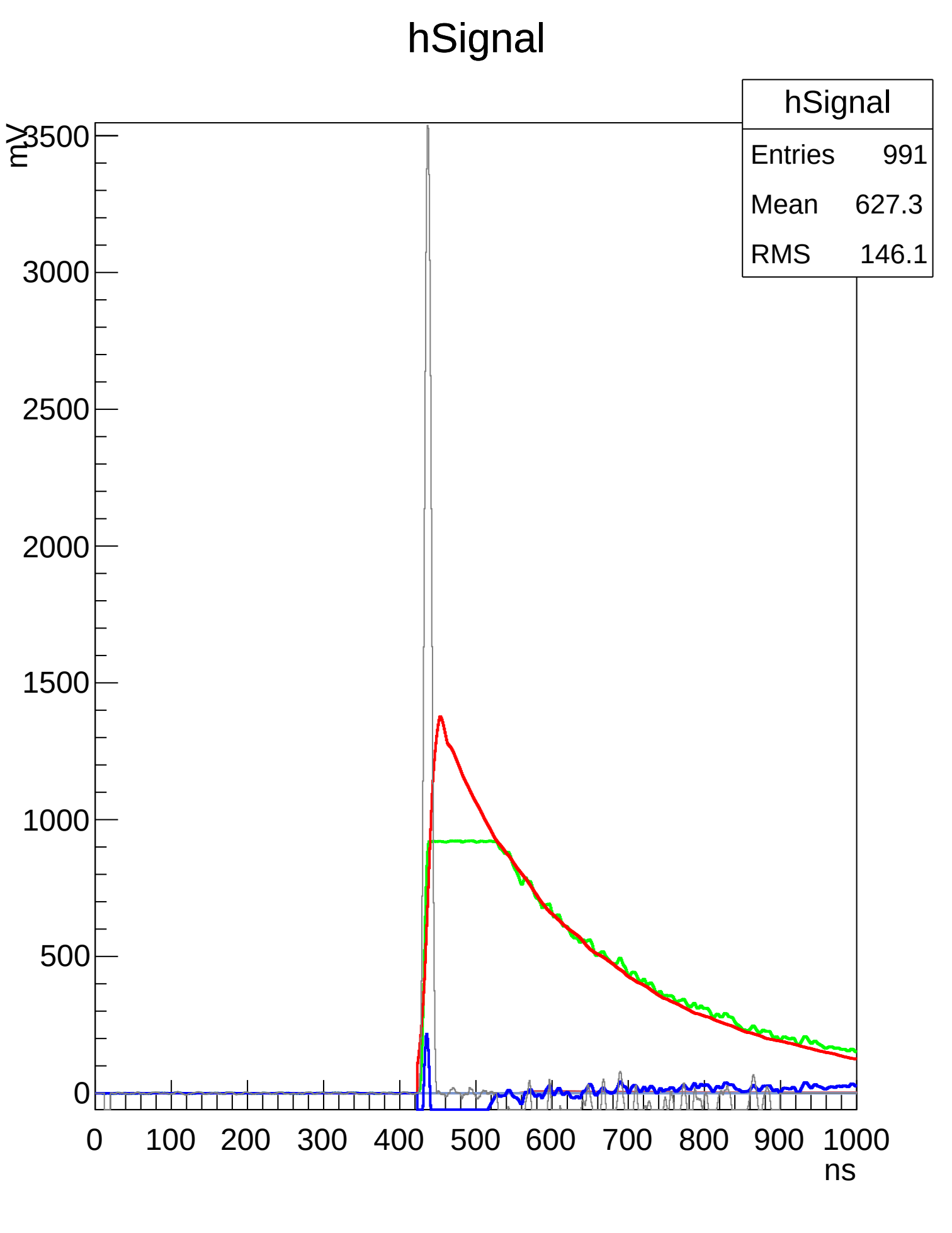

hSignal
hSignal
Entries 991
Mean 594.5
RMS 159.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

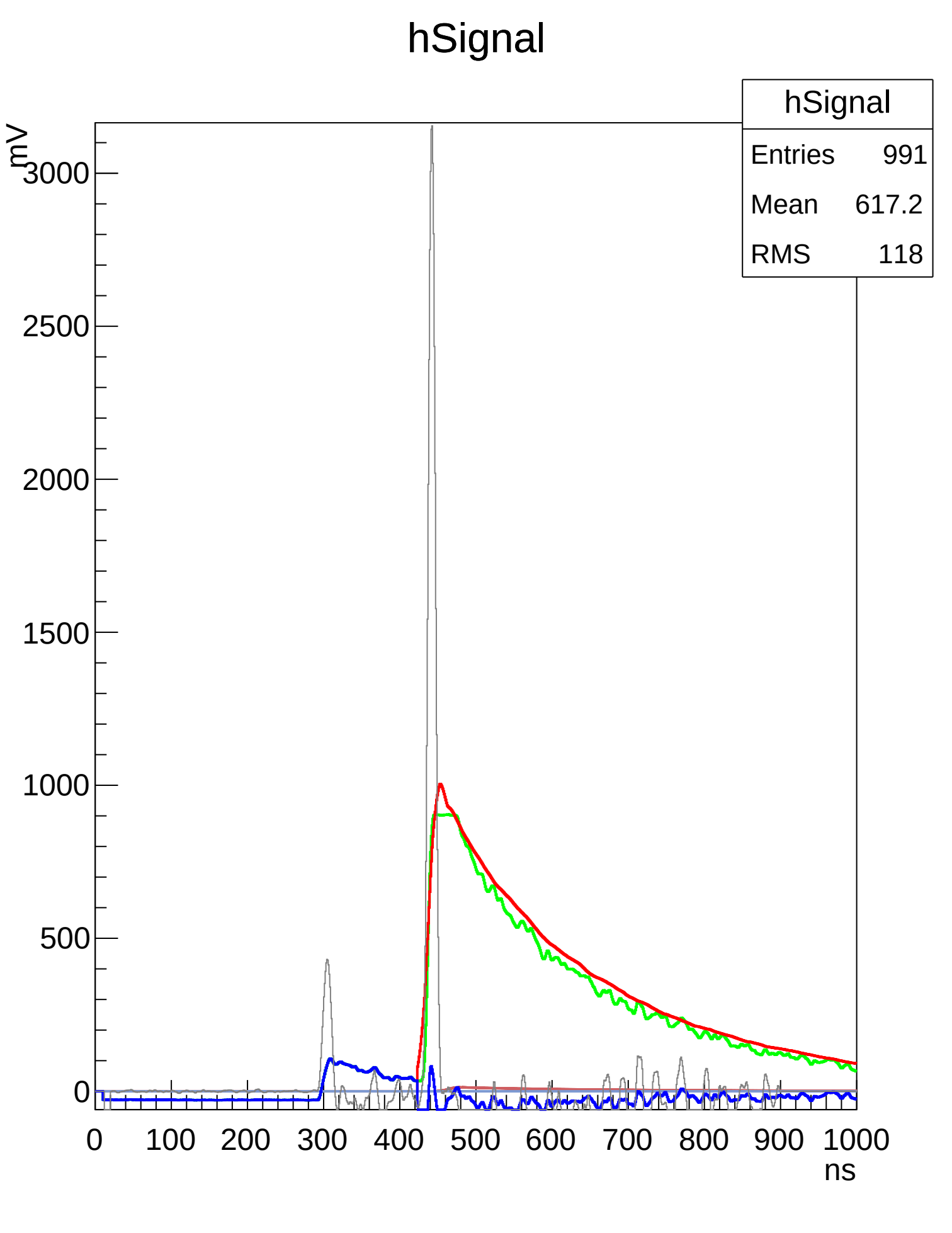

hSignal
hSignal
Entries 991
Mean 537.1
RMS 164.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

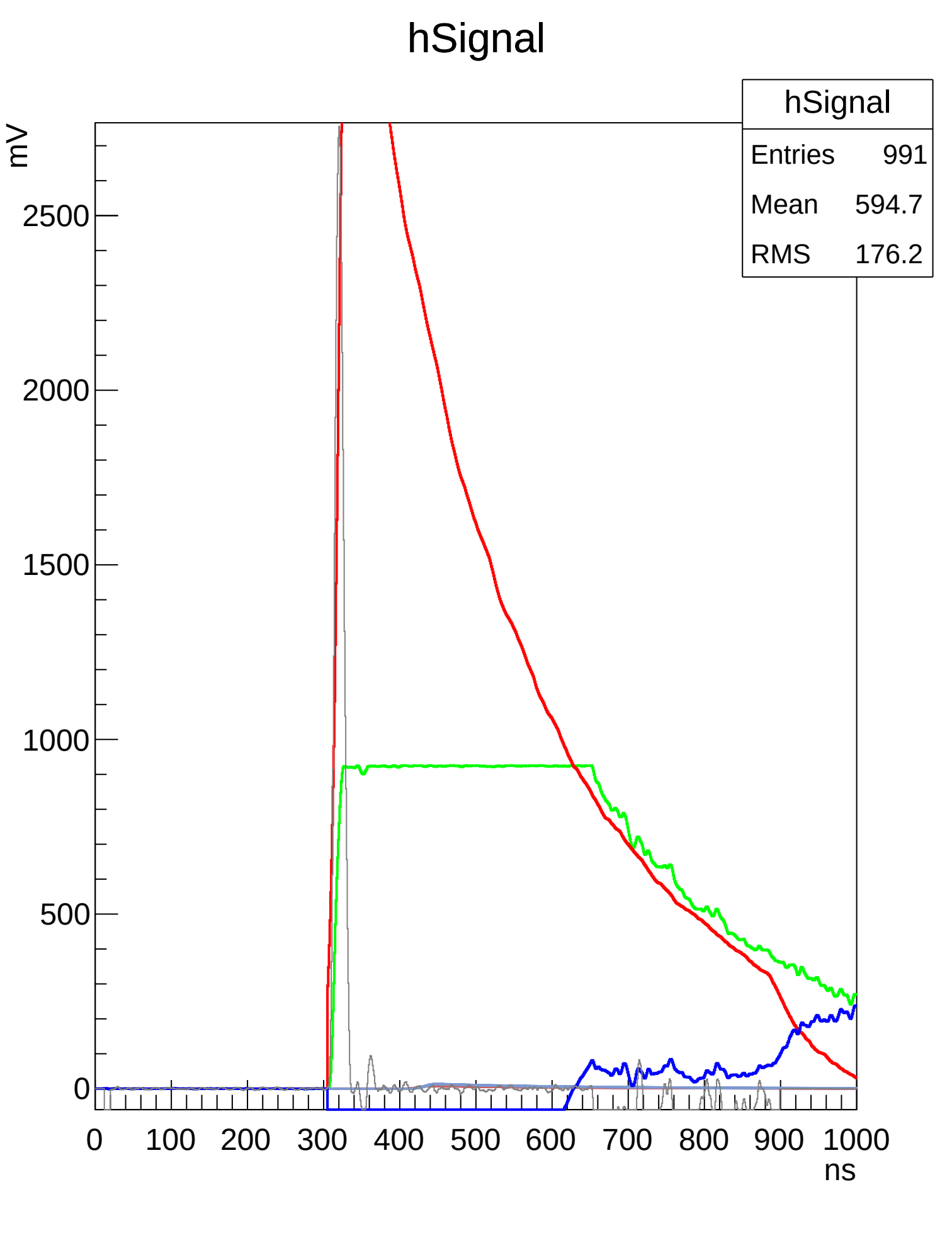

hSignal
hSignal
Entries 991
Mean 598.7
RMS 162.4
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

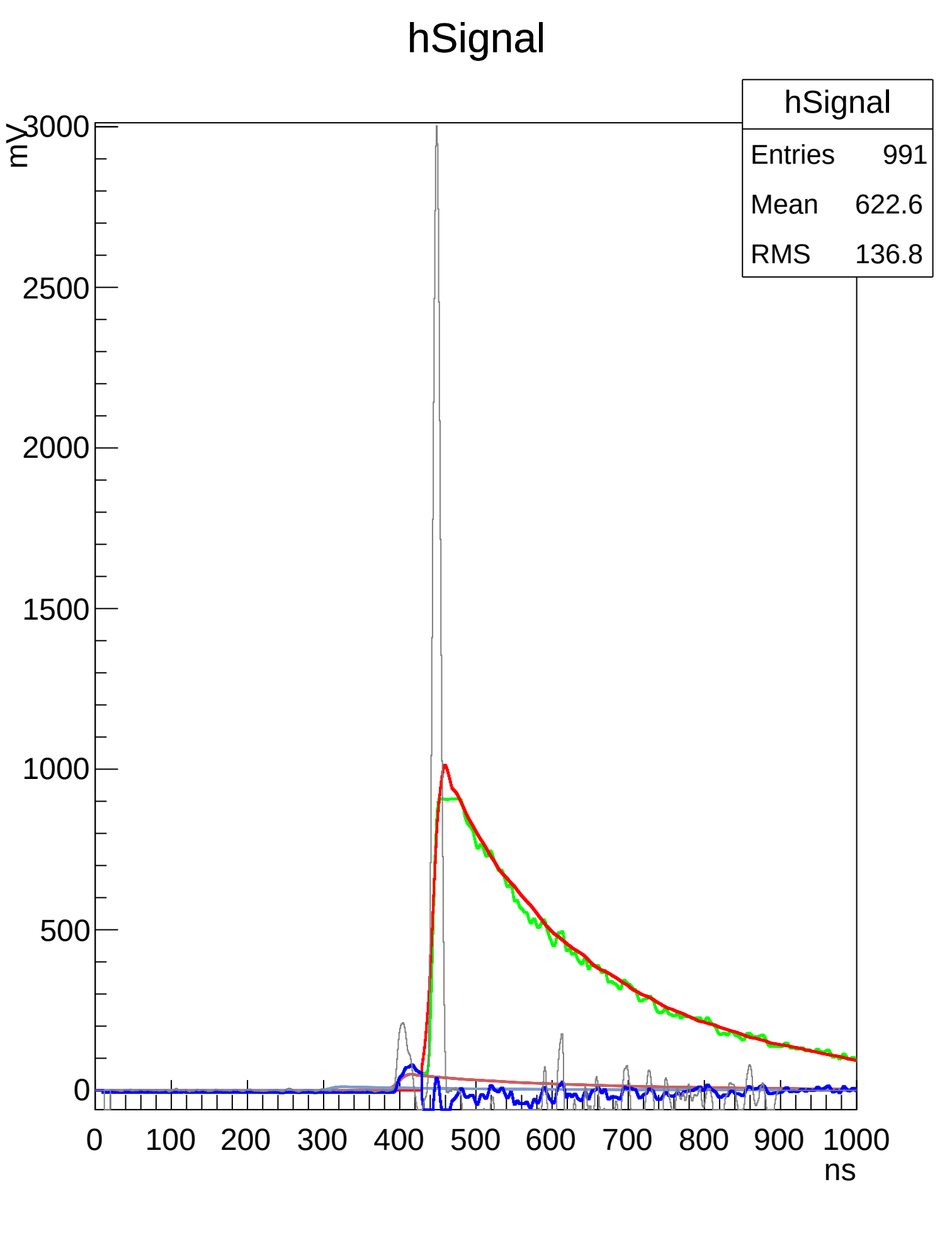

hSignal
hSignal
Entries 991
Mean 545.7
RMS 168.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

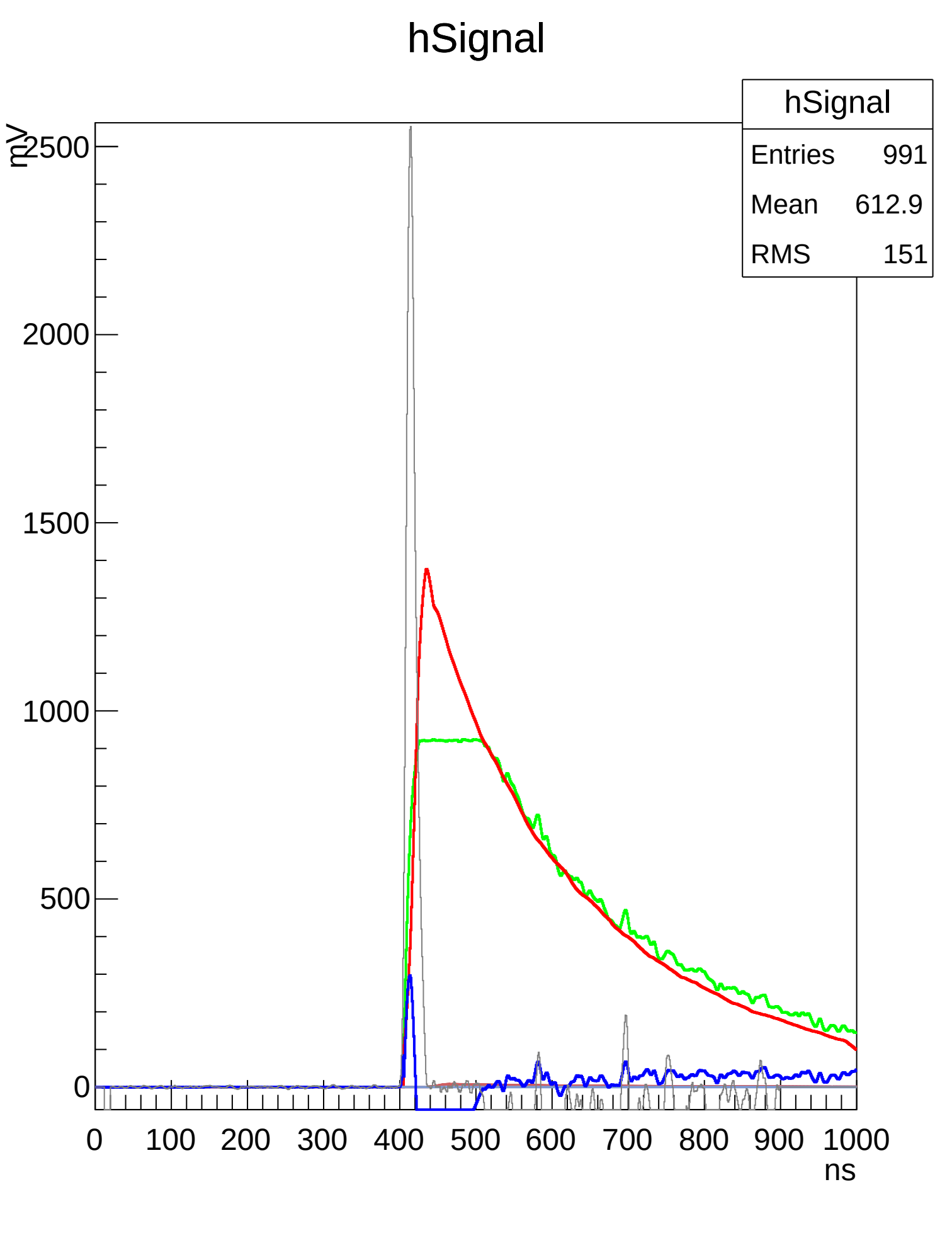

hSignal
hSignal
Entries 991
Mean 608.1
RMS 146.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

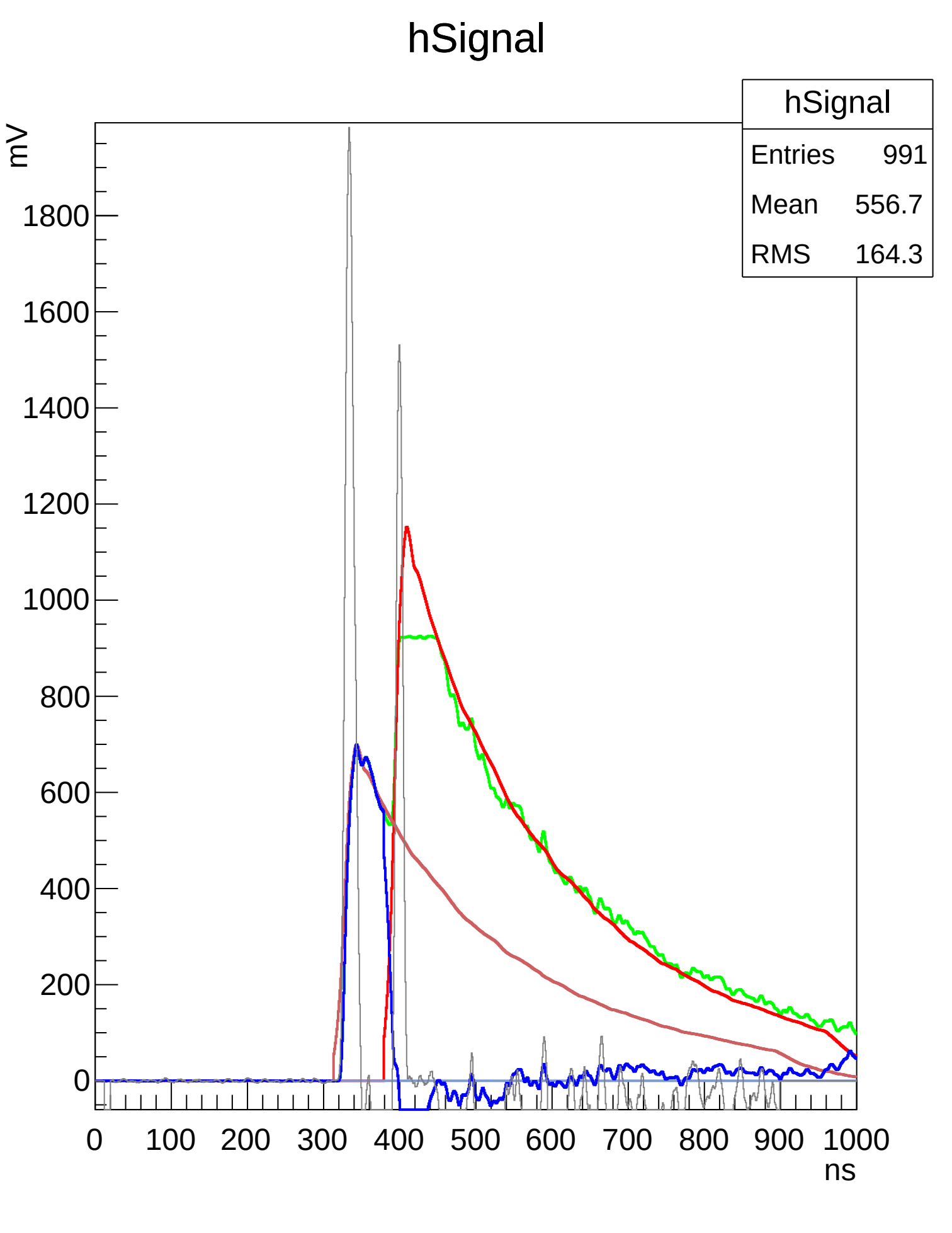

hSignal
hSignal
Entries 991
Mean 627.3
RMS 146.1
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

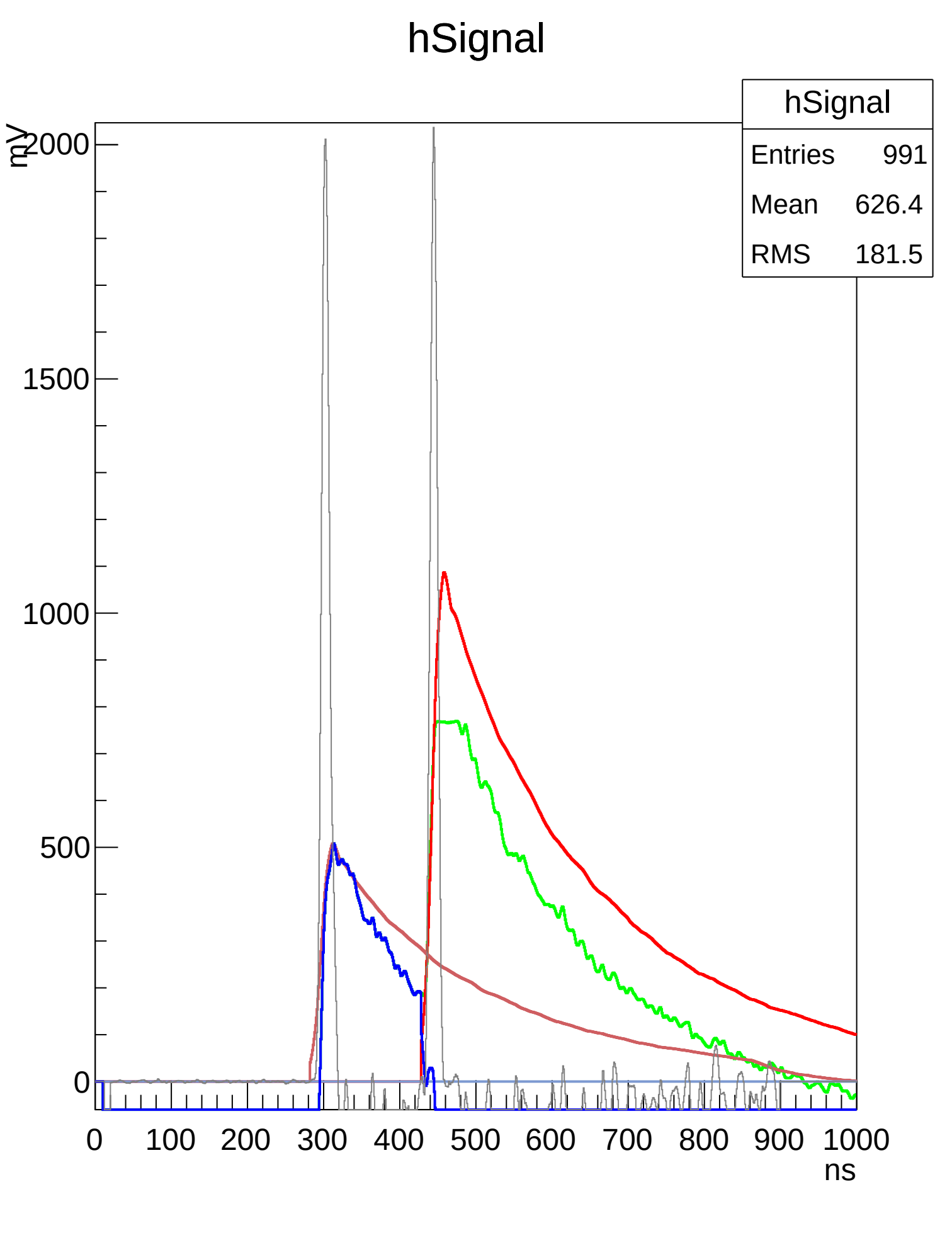

hSignal
hSignal
Entries 991
Mean 617.2
RMS 118
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

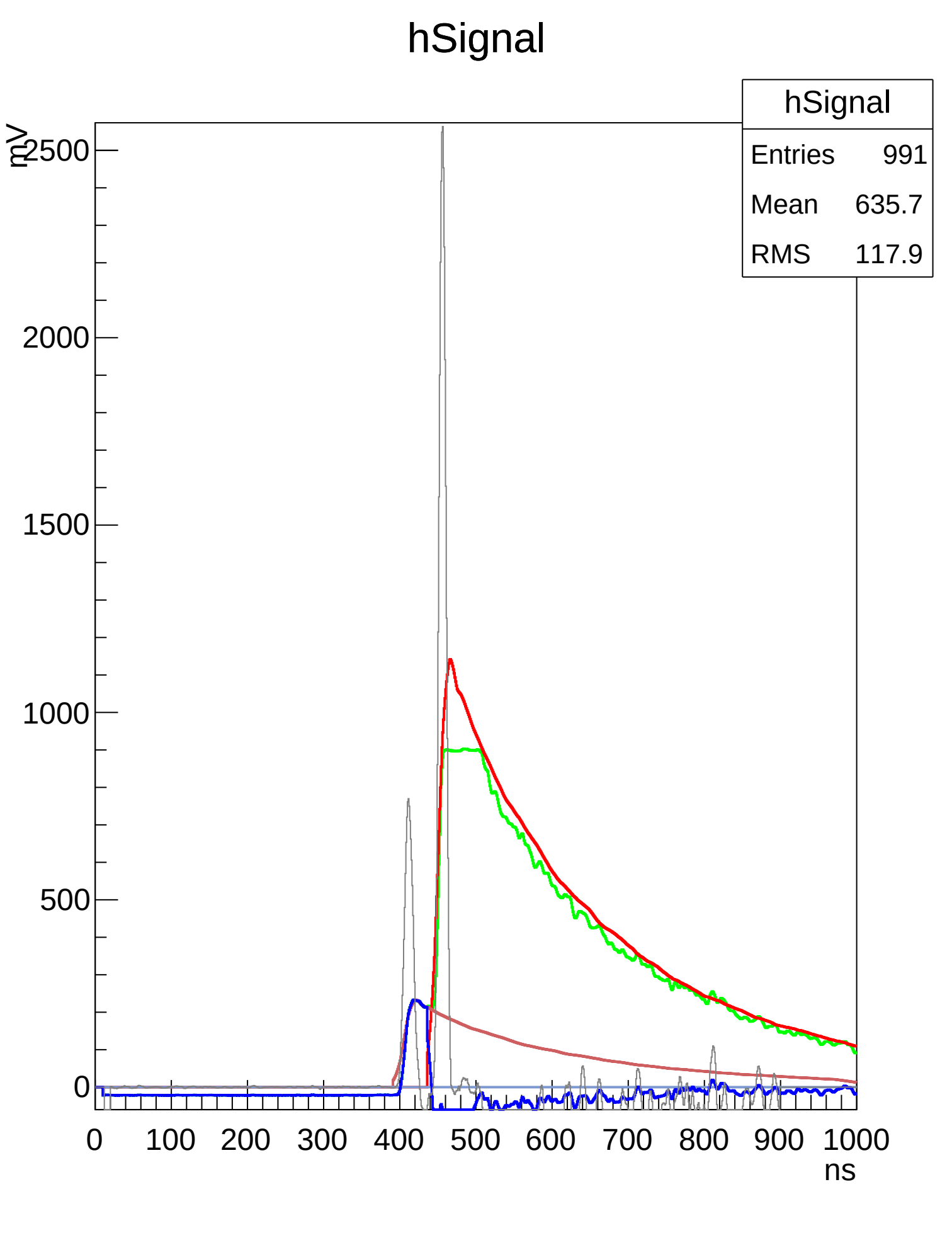

hSignal
hSignal
Entries 991
Mean 594.7
RMS 176.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

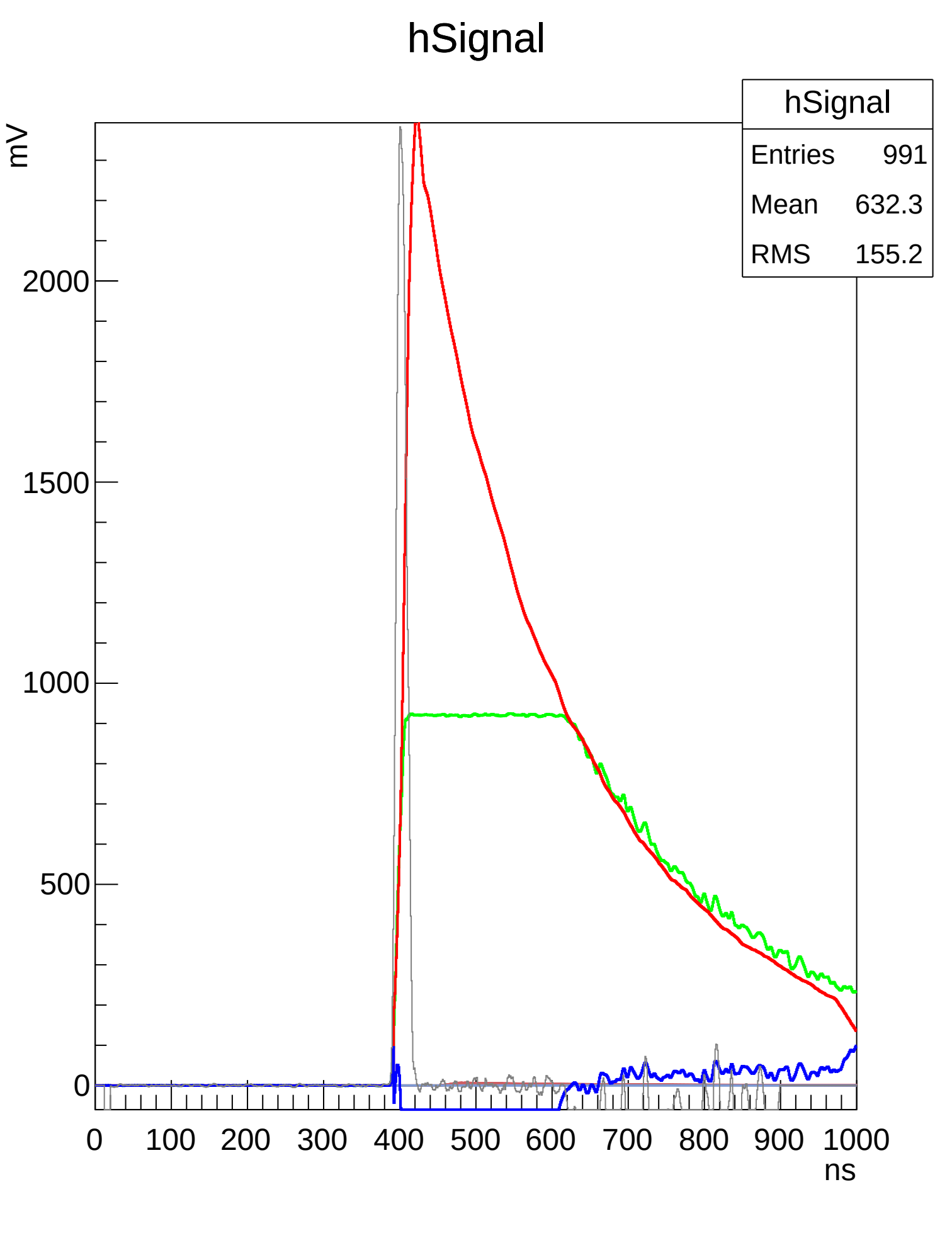

hSignal
hSignal
Entries 991
Mean 622.6
RMS 136.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

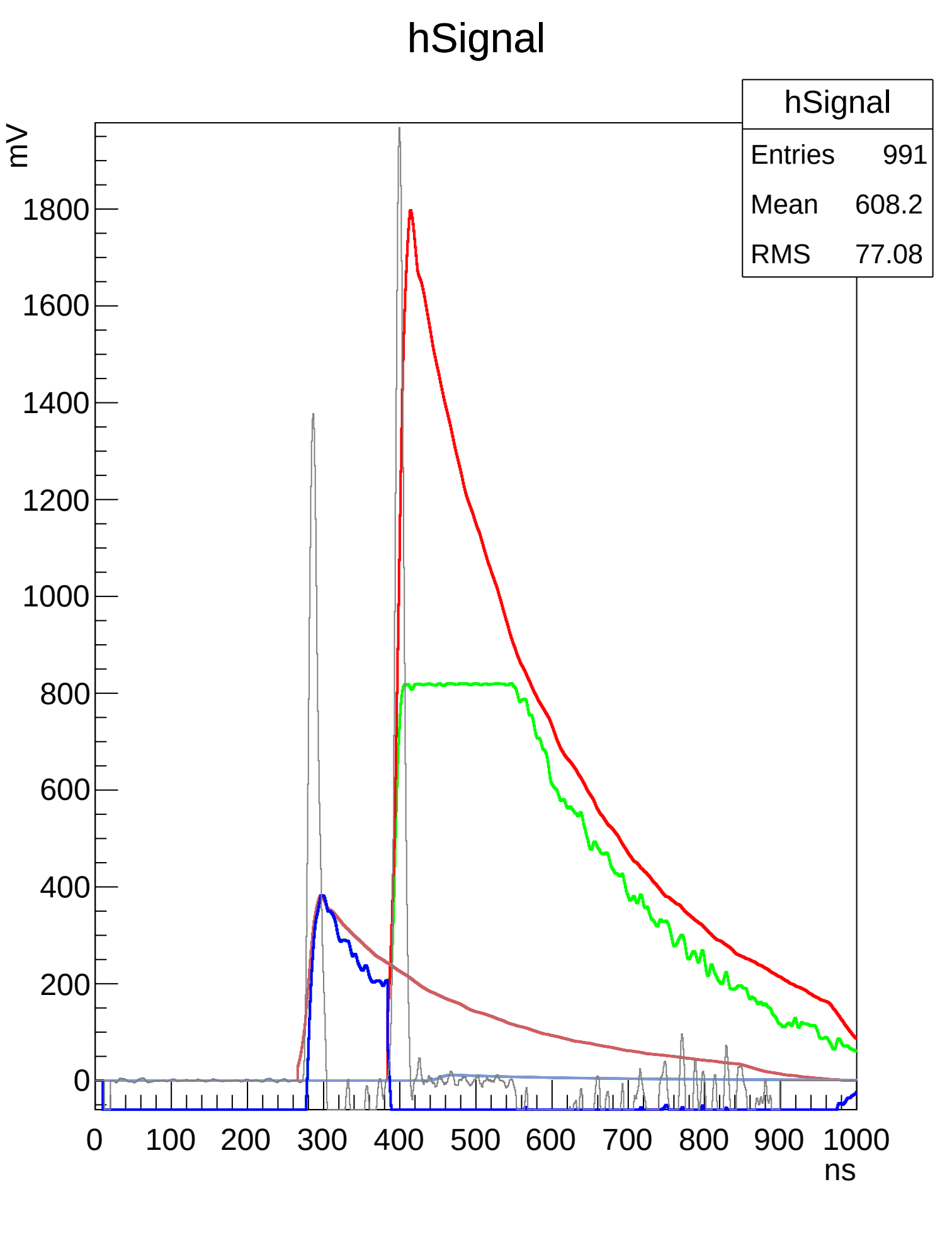

hSignal
hSignal
Entries 991
Mean 612.9
RMS 151
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

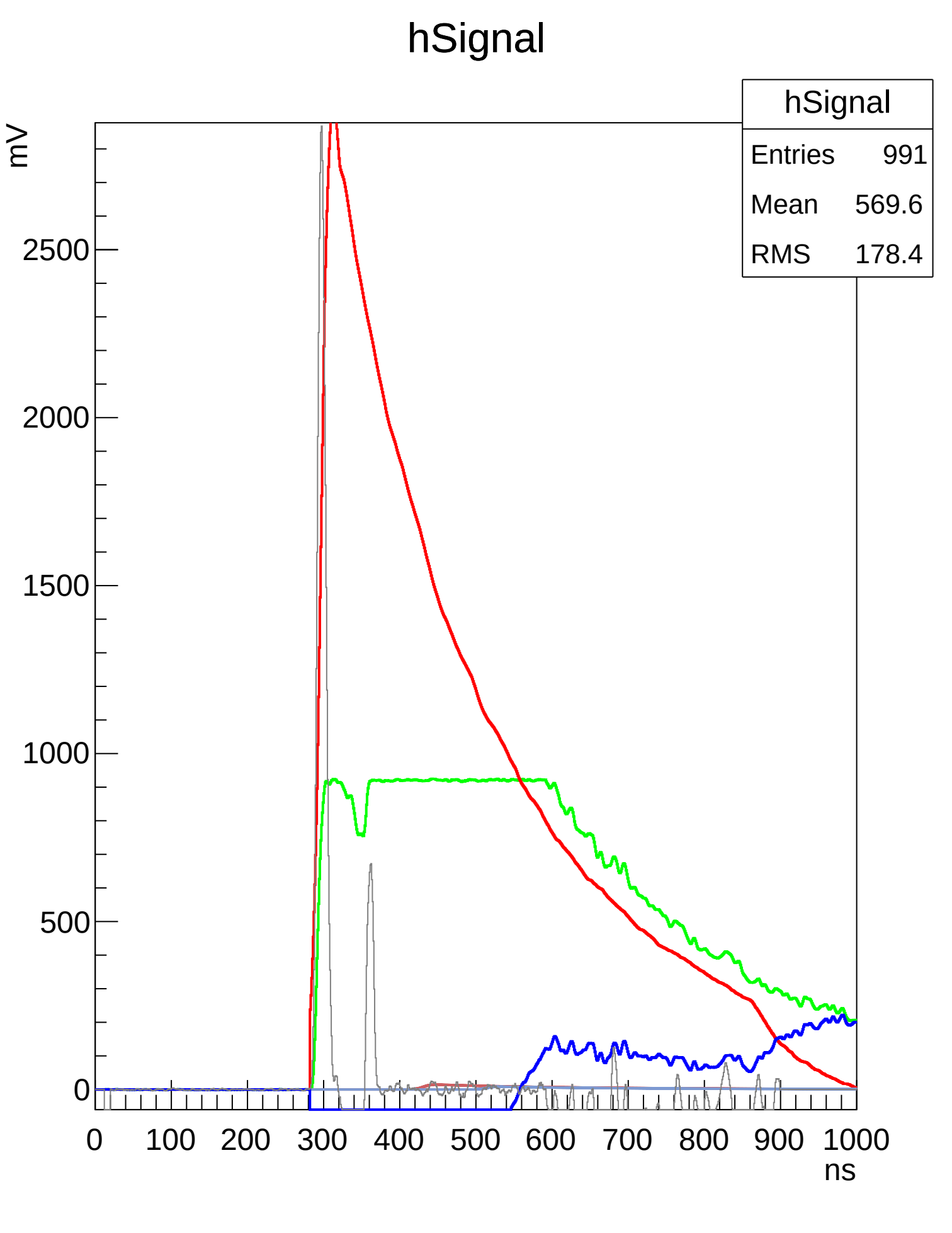

hSignal
hSignal
Entries 991
Mean 556.7
RMS 164.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

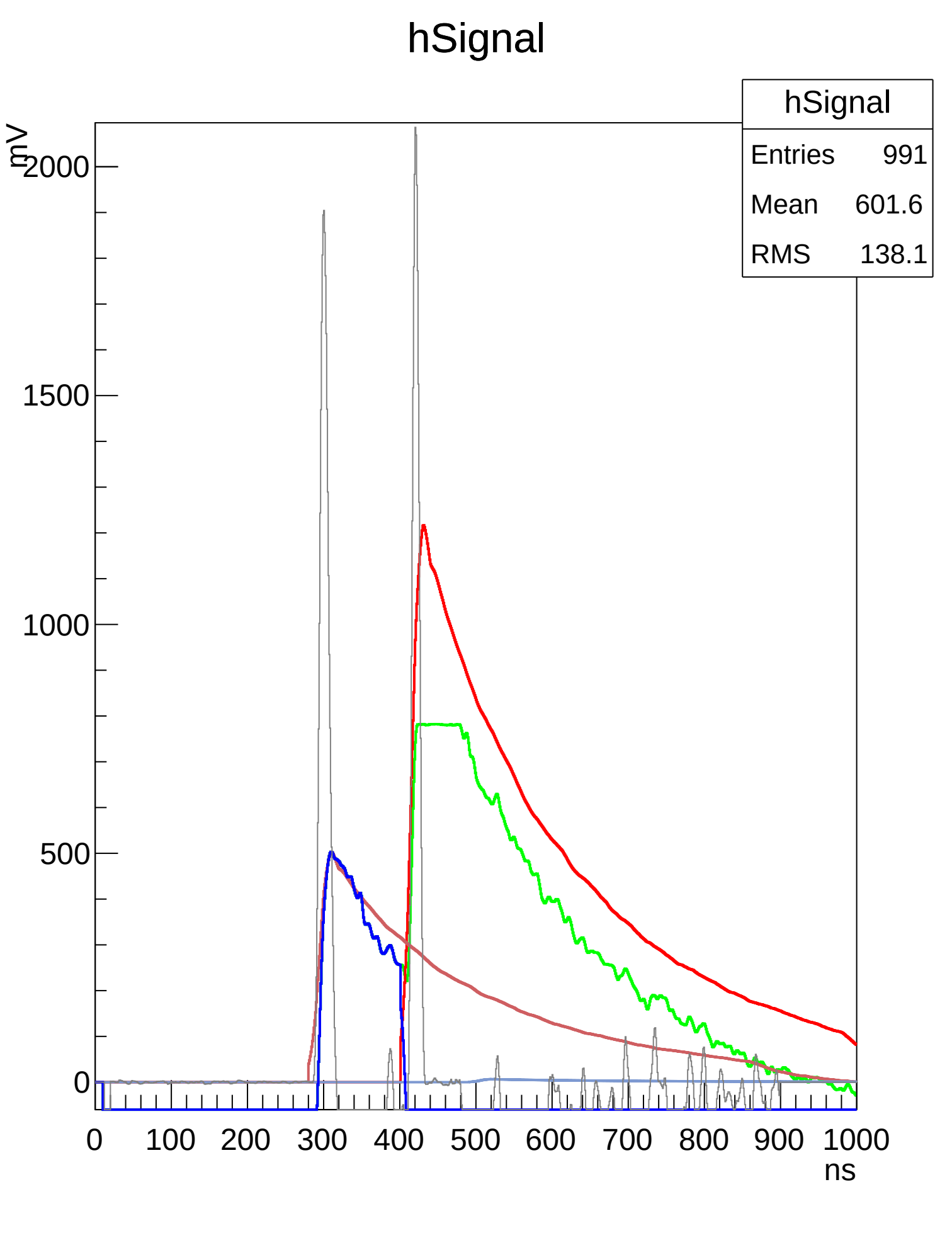

hSignal
hSignal
Entries 991
Mean 626.4
RMS 181.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

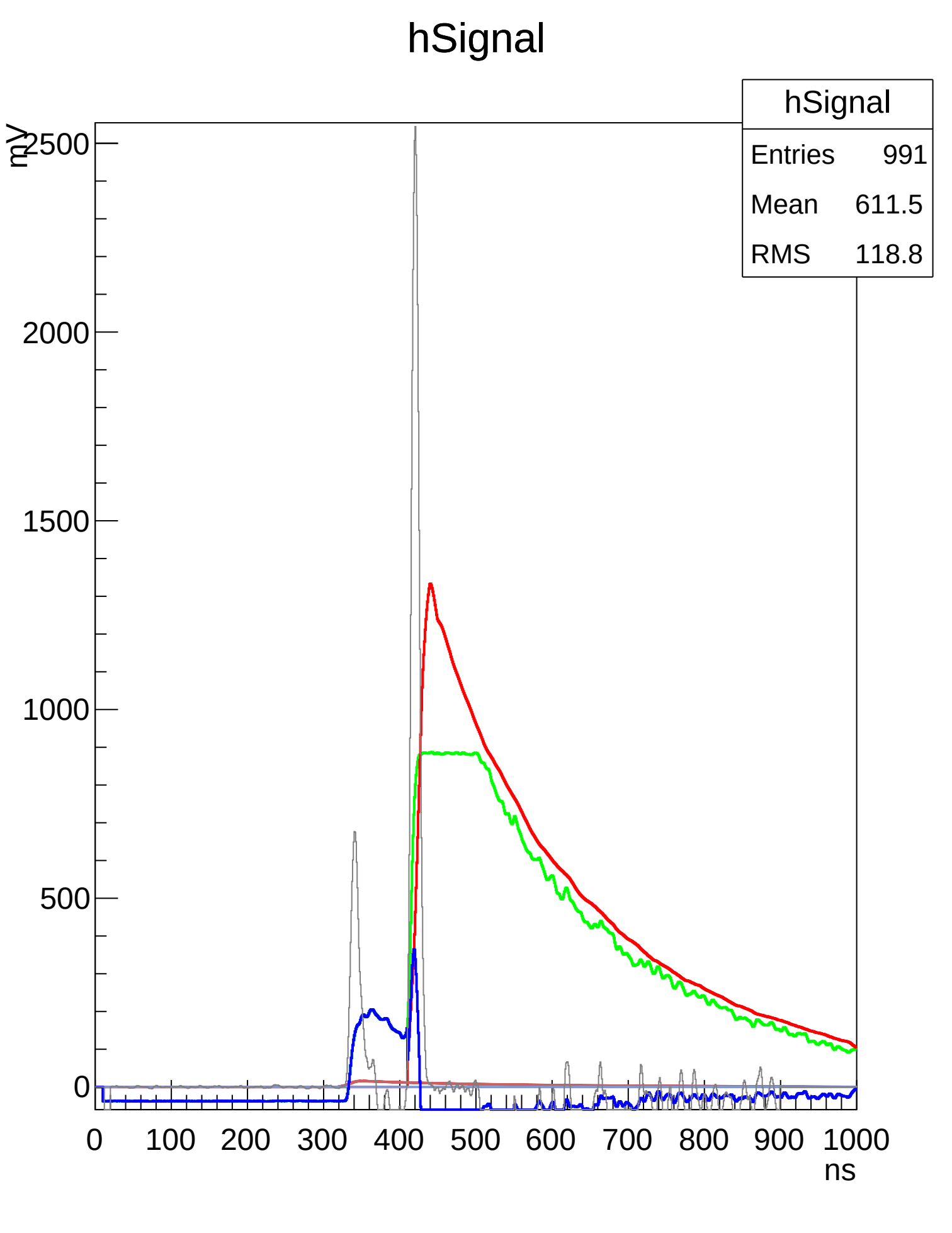

hSignal
hSignal
Entries 991
Mean 635.7
RMS 117.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

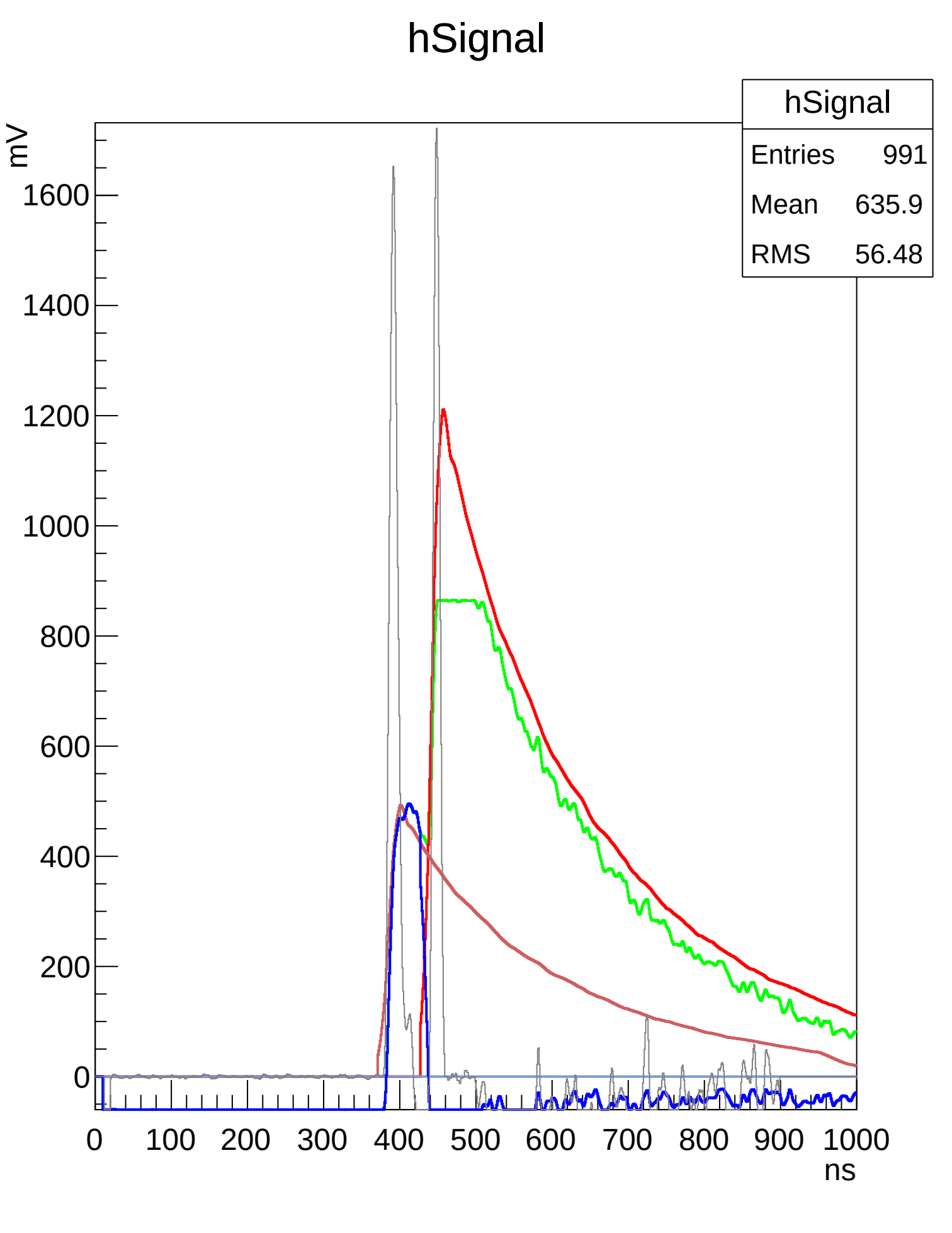

hSignal
hSignal
Entries 991
Mean 632.3
RMS 155.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

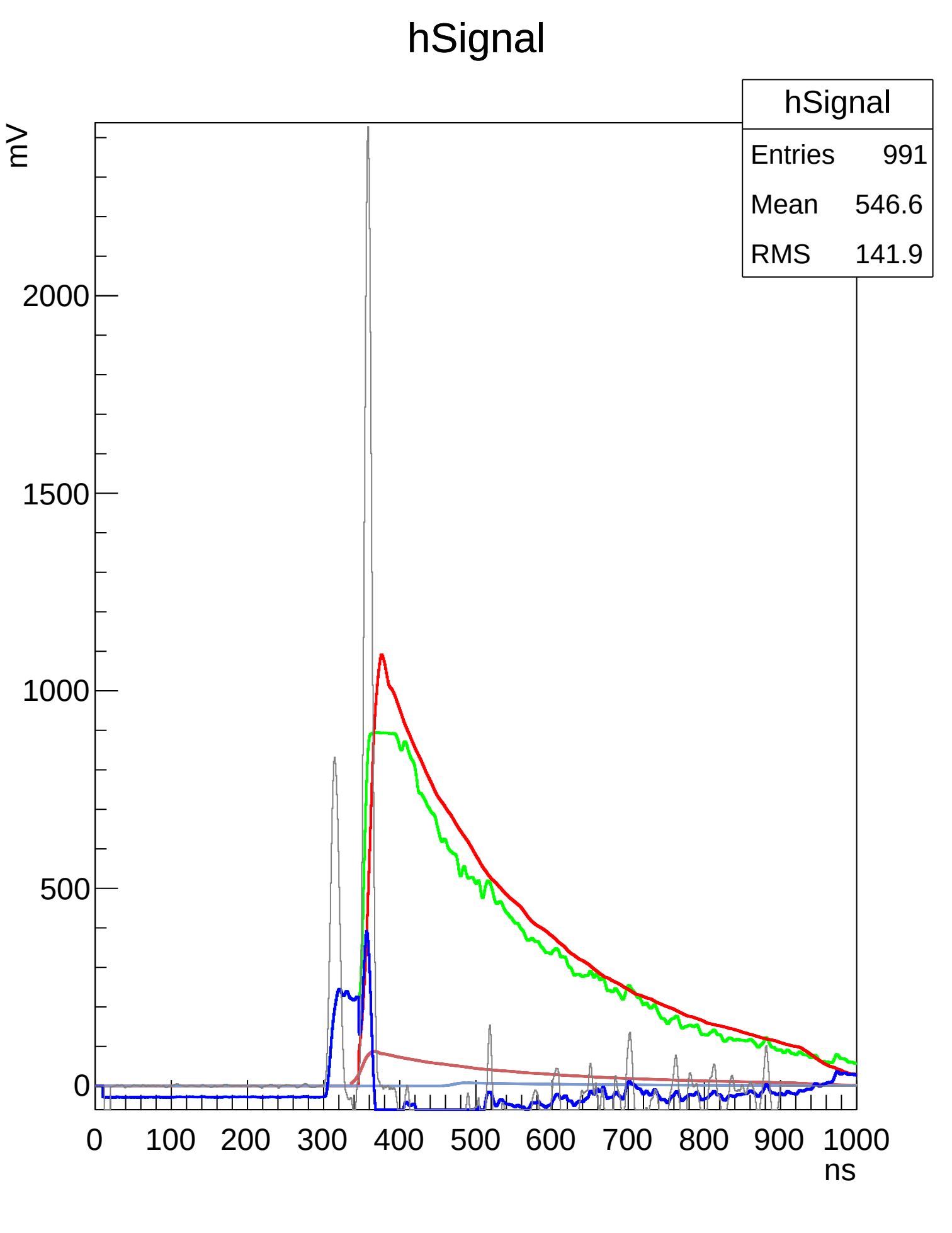

hSignal
hSignal
Entries 991
Mean 608.2
RMS 77.08
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

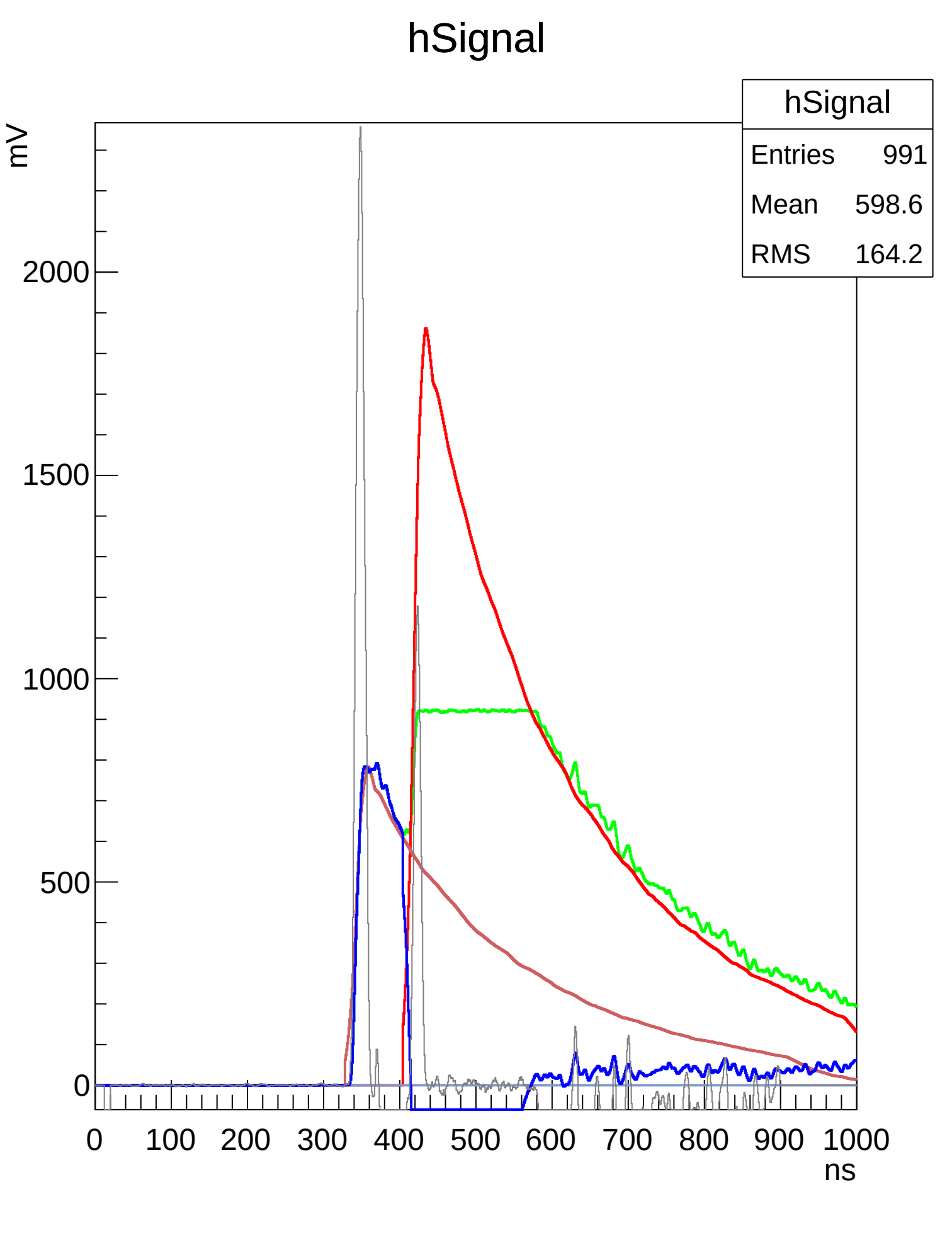

hSignal
hSignal
Entries 991
Mean 569.6
RMS 178.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

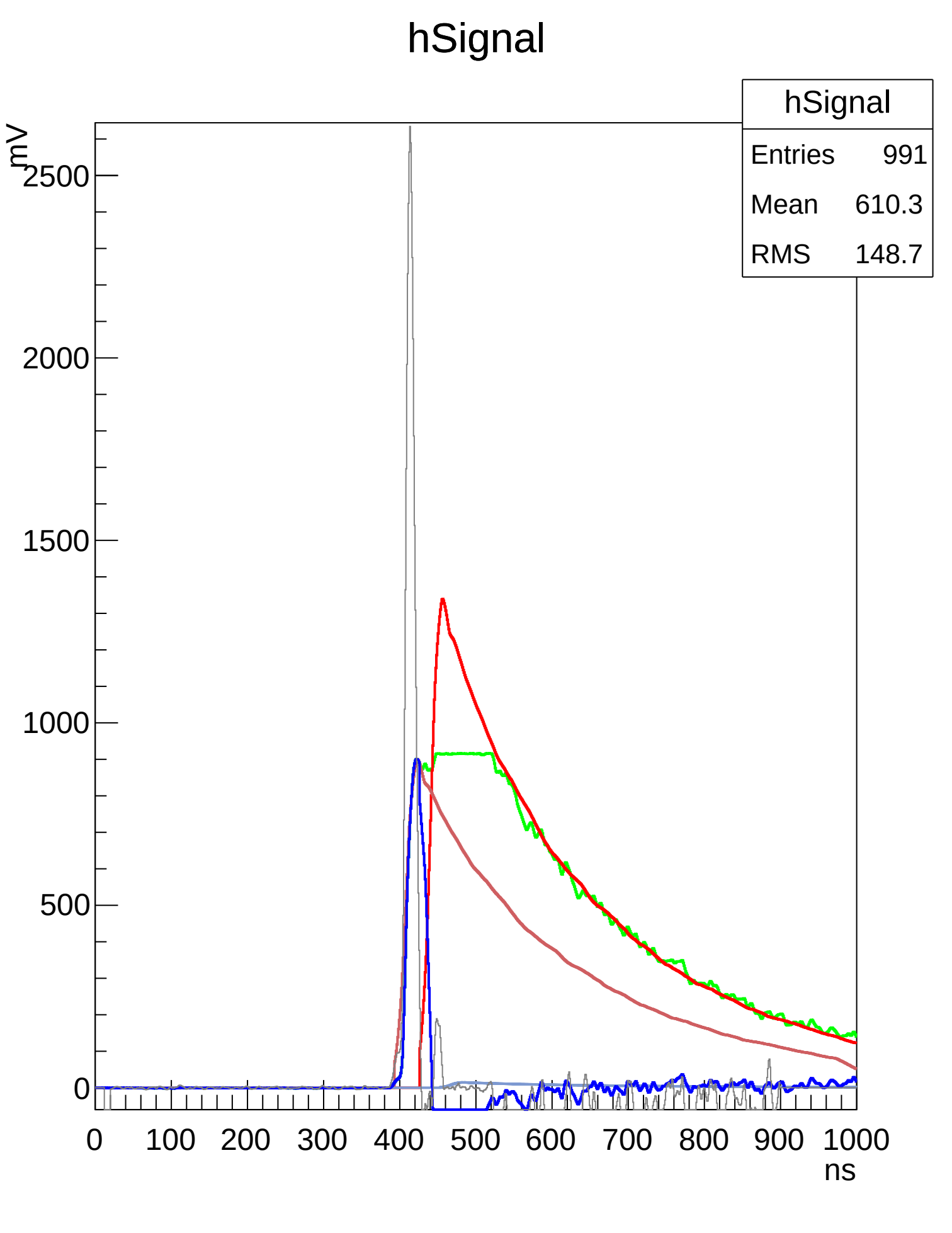

hSignal
hSignal
Entries 991
Mean 601.6
RMS 138.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

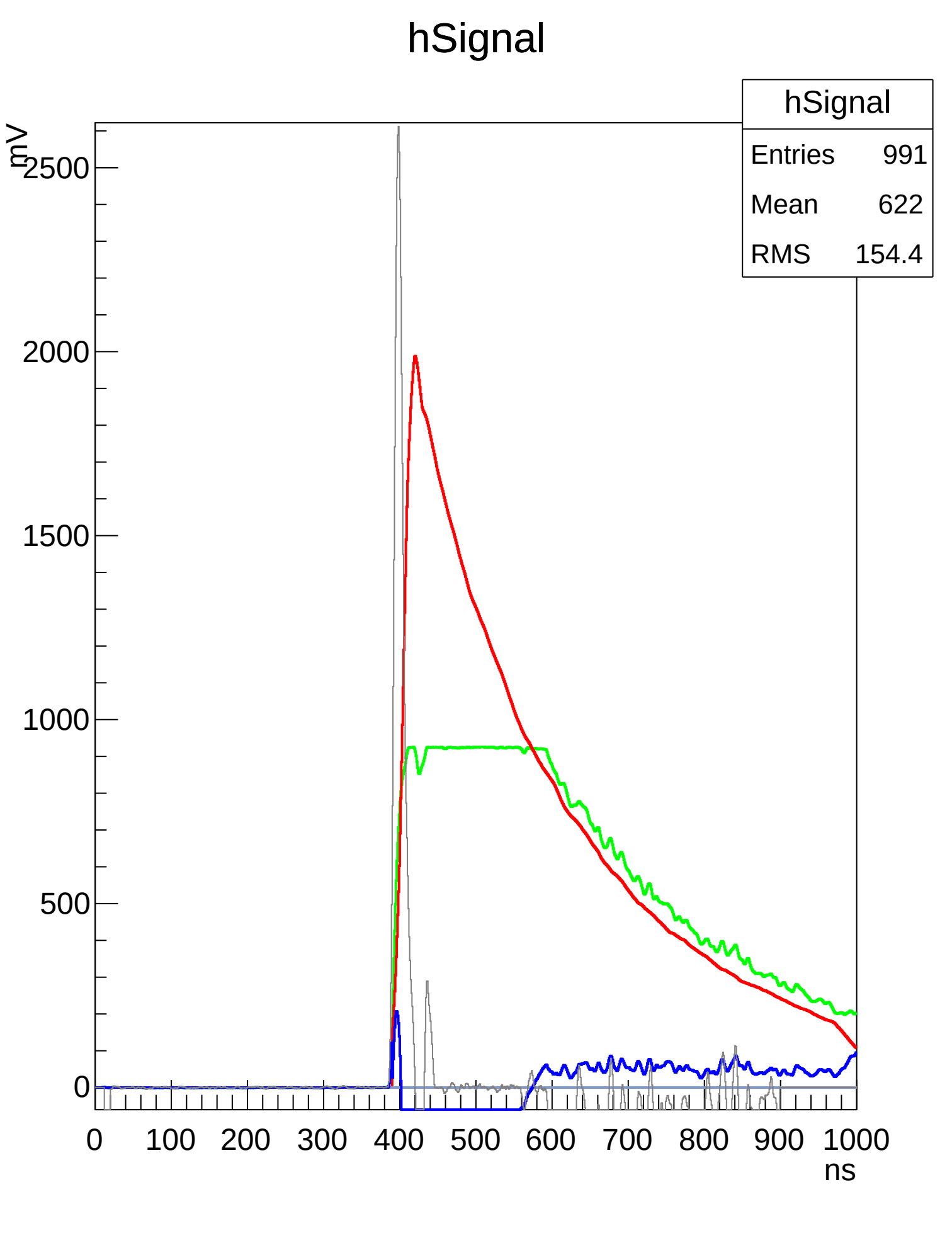

hSignal
hSignal
Entries 991
Mean 611.5
RMS 118.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

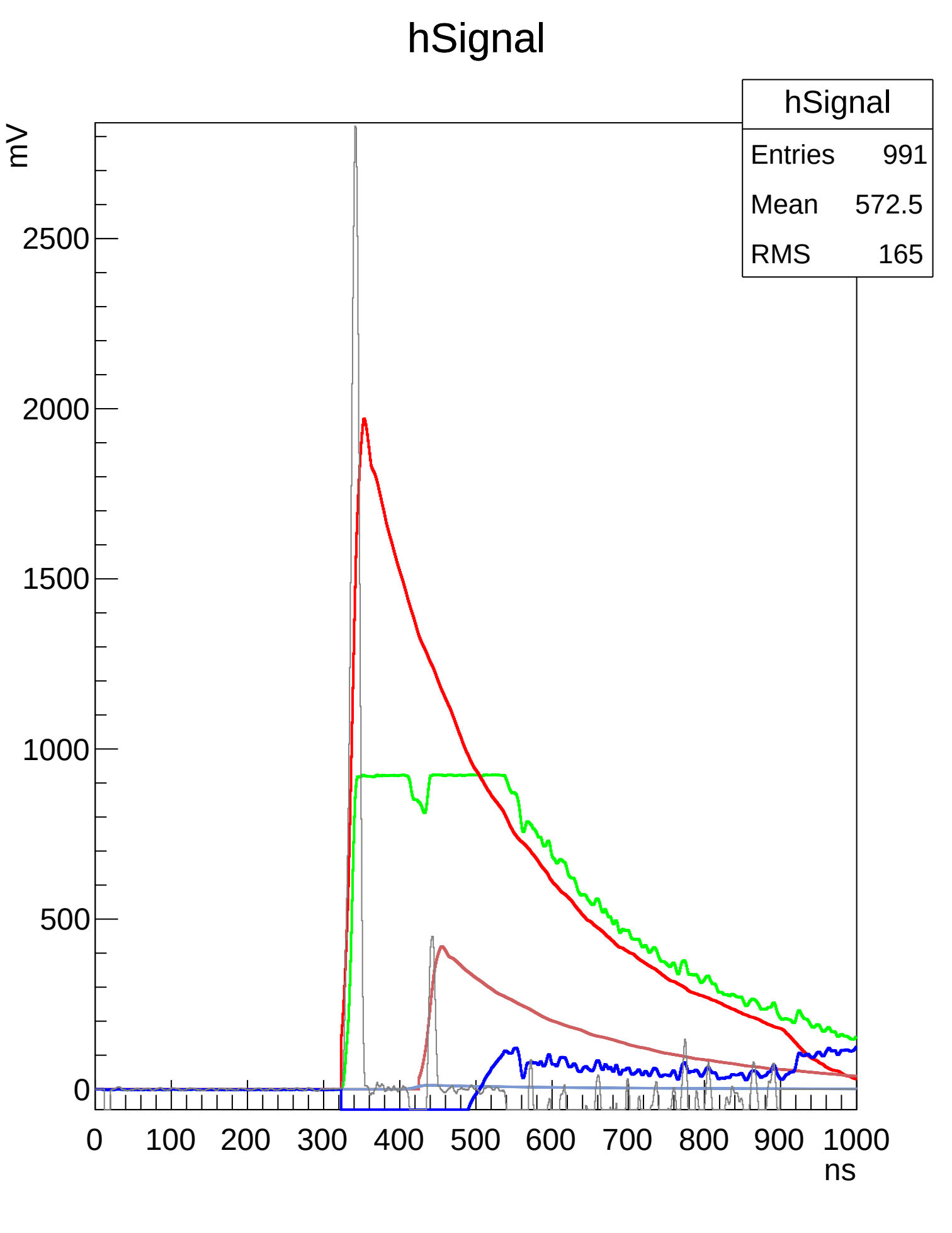

hSignal
hSignal
Entries 991
Mean 635.9
RMS 56.48
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

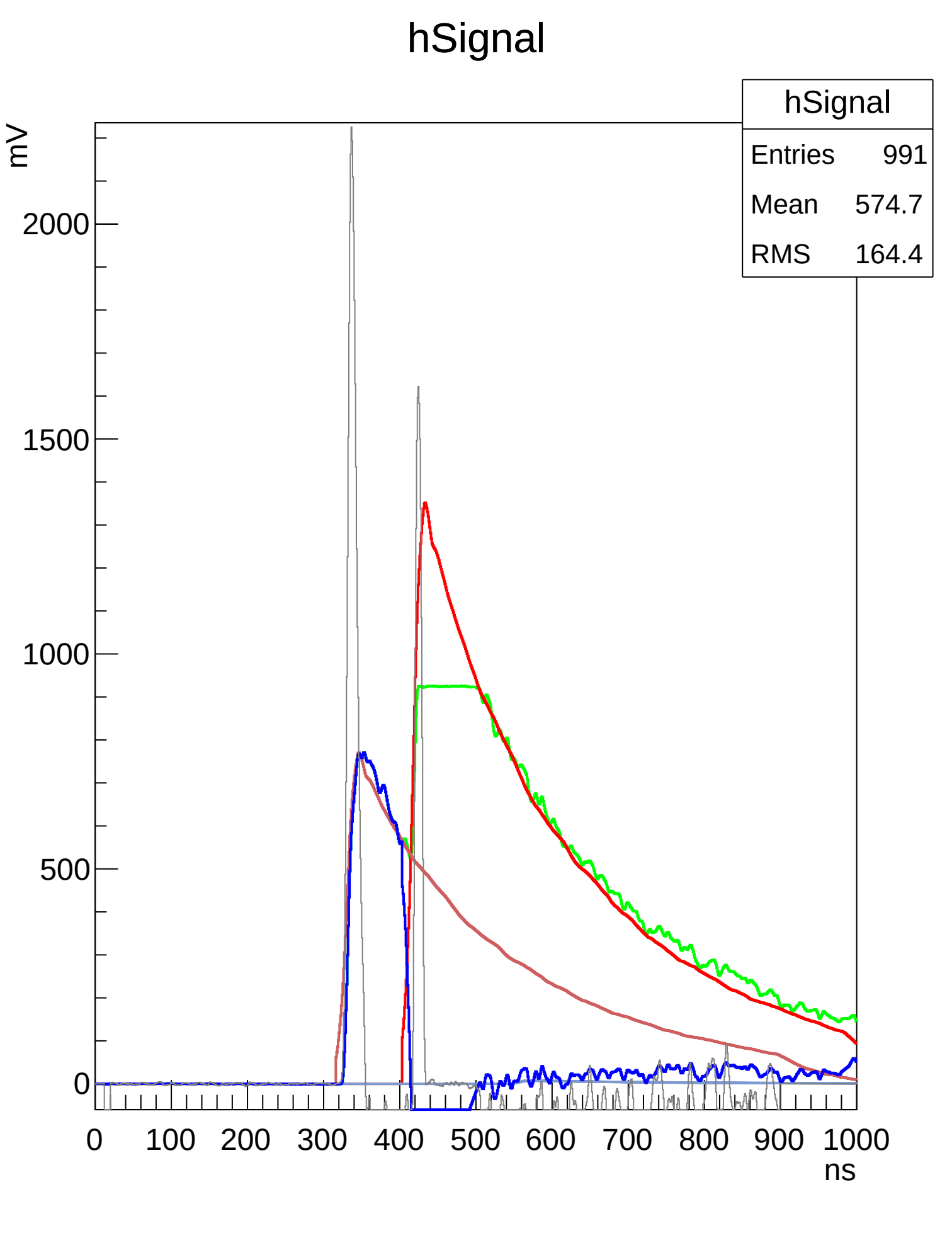

hSignal
hSignal
Entries 991
Mean 546.6
RMS 141.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

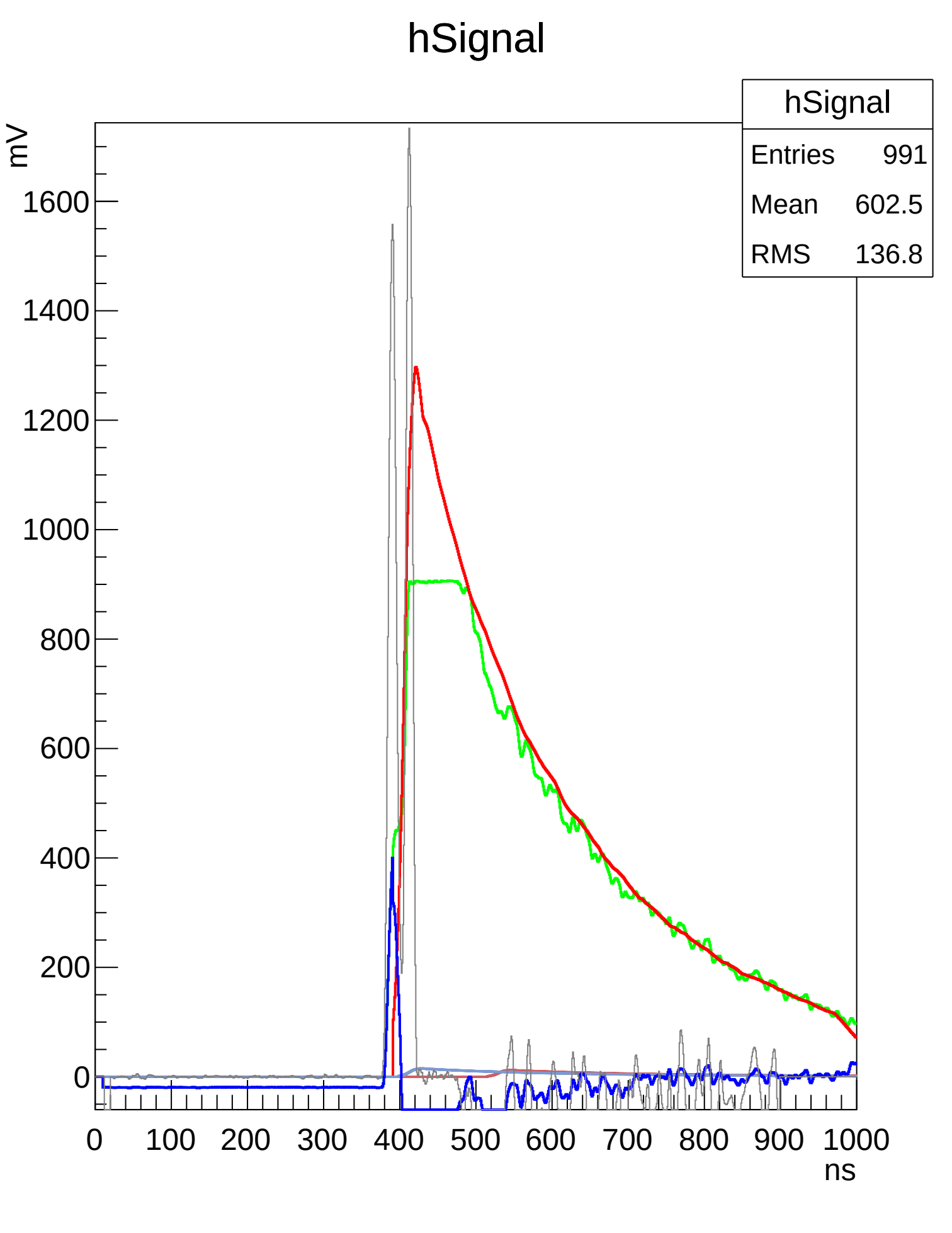

hSignal
hSignal
Entries 991
Mean 598.6
RMS 164.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

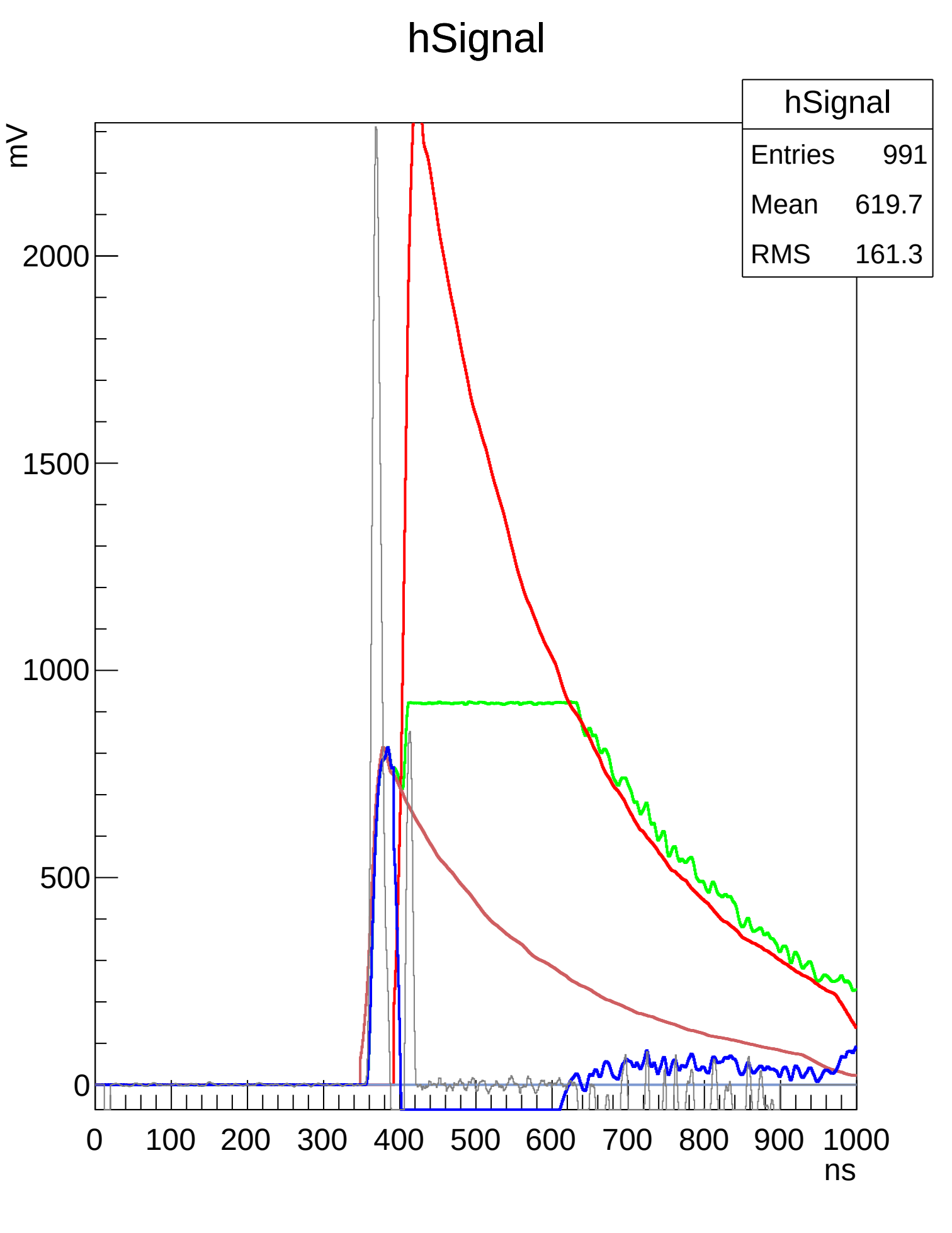

hSignal
hSignal
Entries 991
Mean 610.3
RMS 148.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

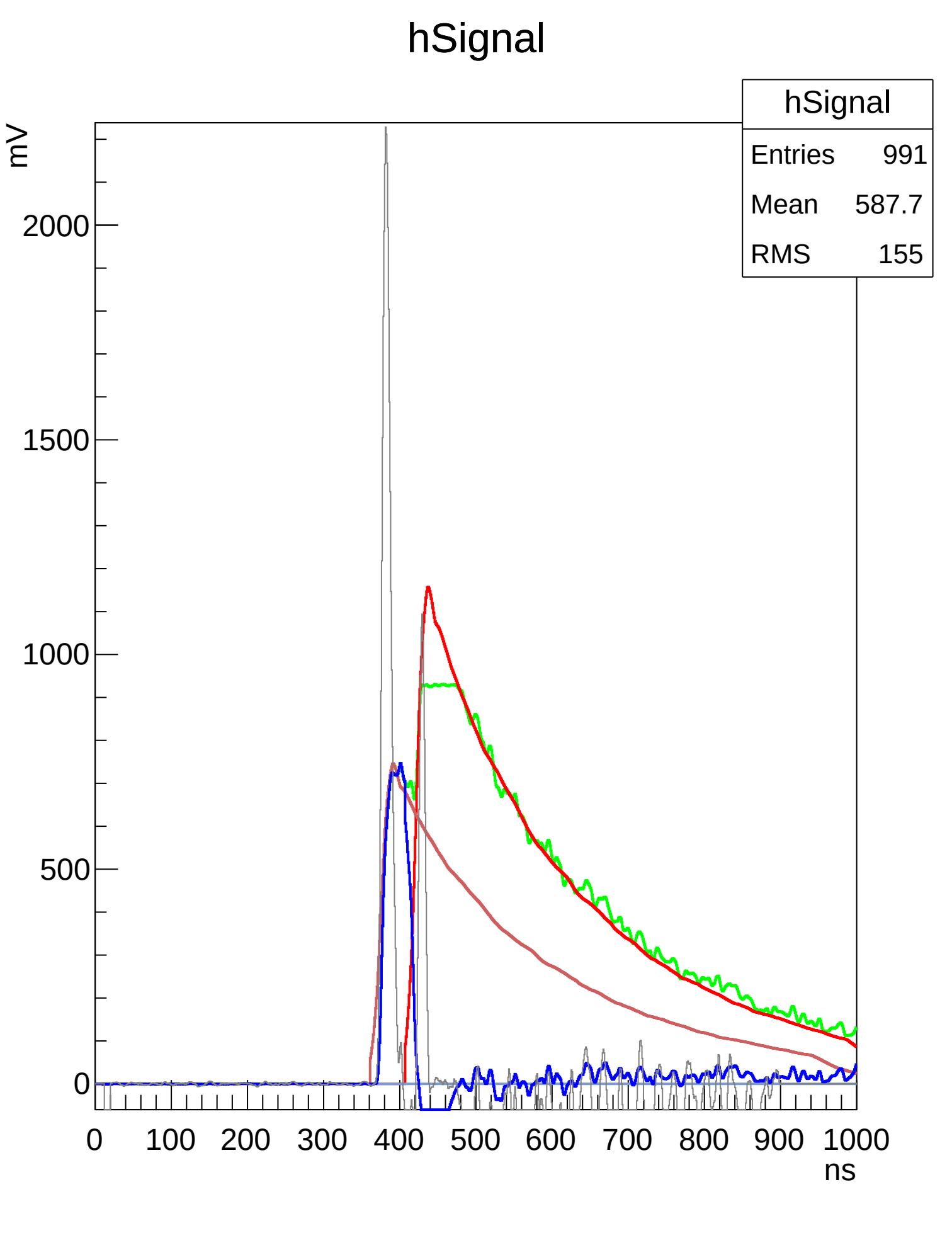

hSignal
hSignal
Entries 991
Mean 622
RMS 154.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

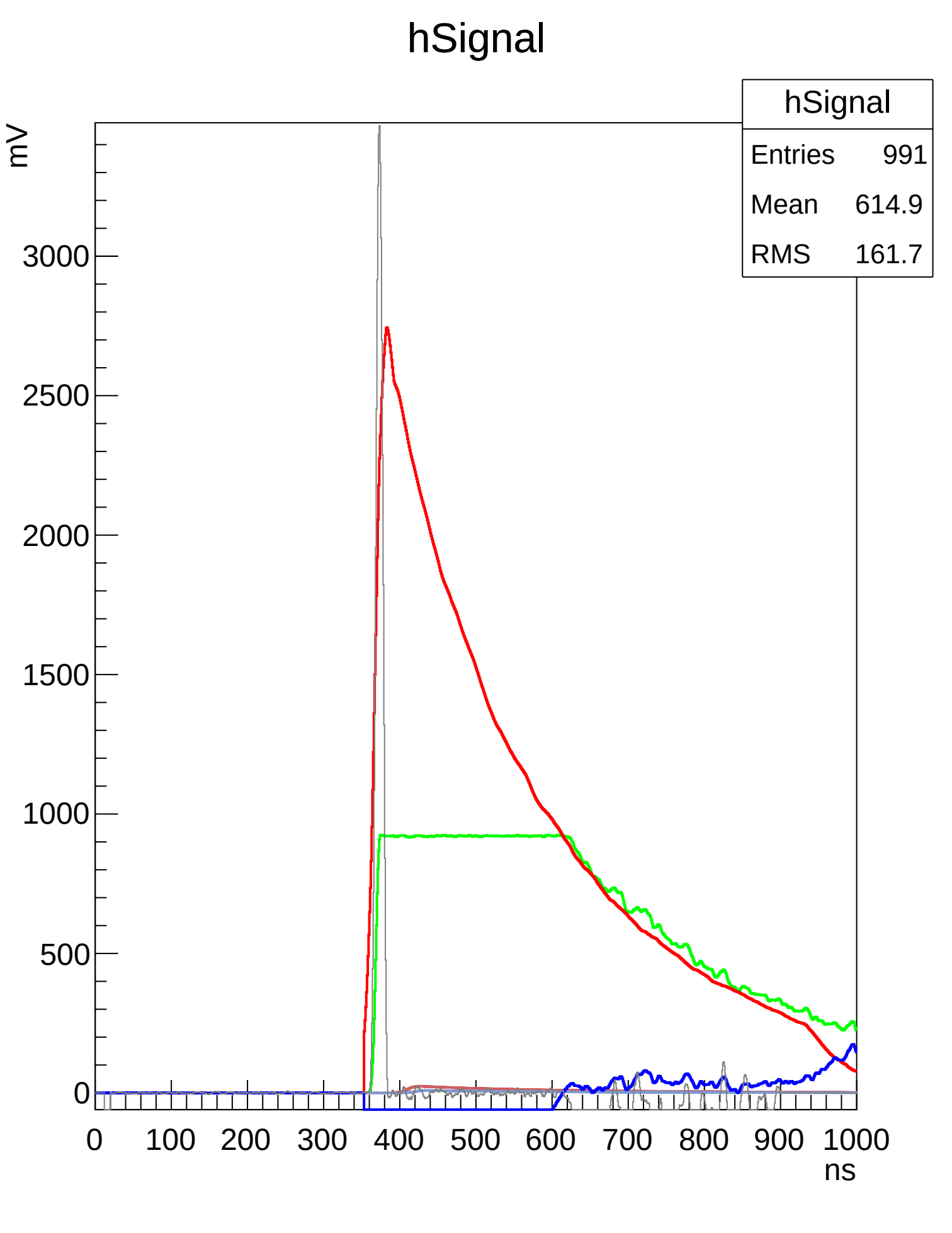

hSignal
hSignal
Entries 991
Mean 572.5
RMS 165
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

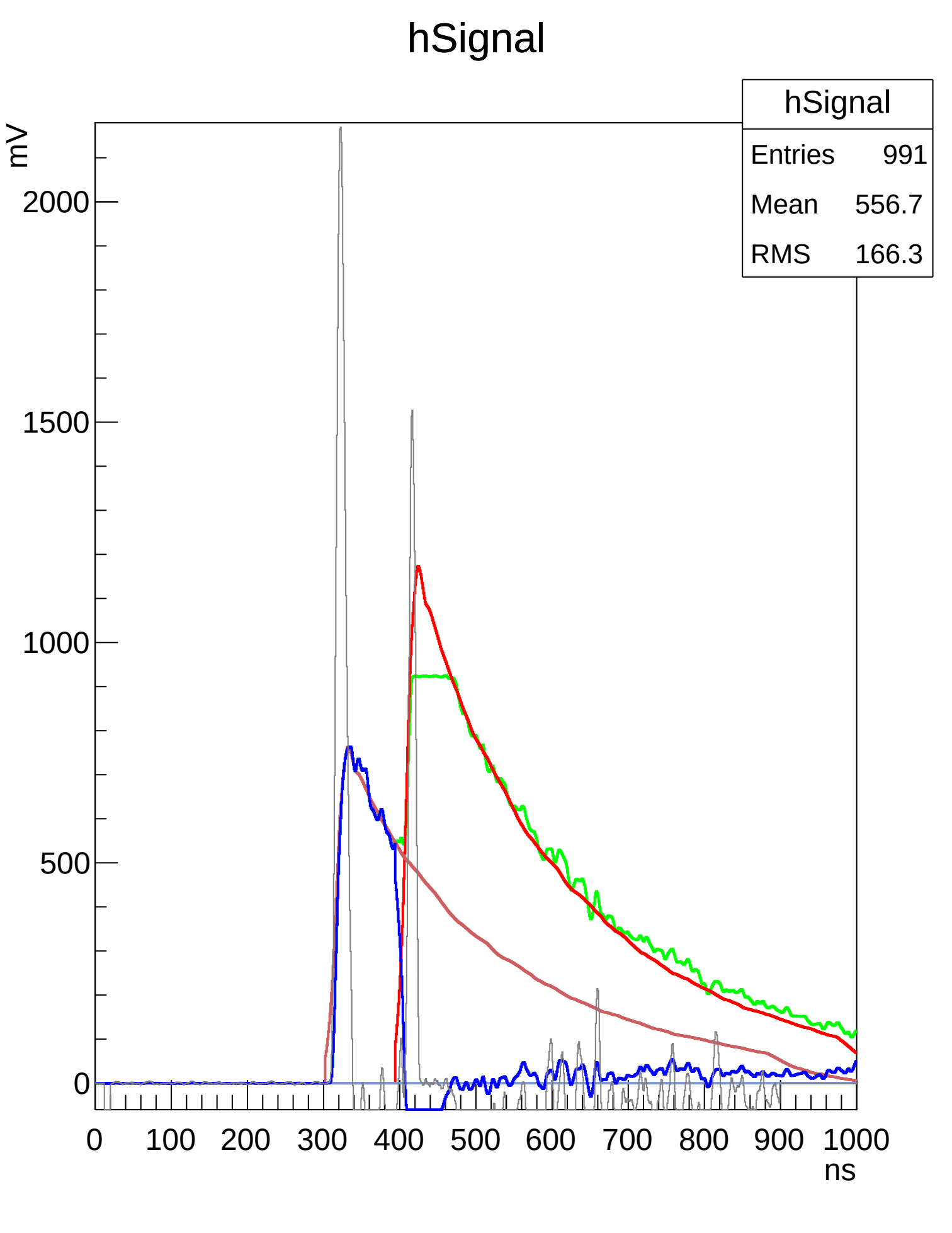

hSignal
hSignal
Entries 991
Mean 574.7
RMS 164.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

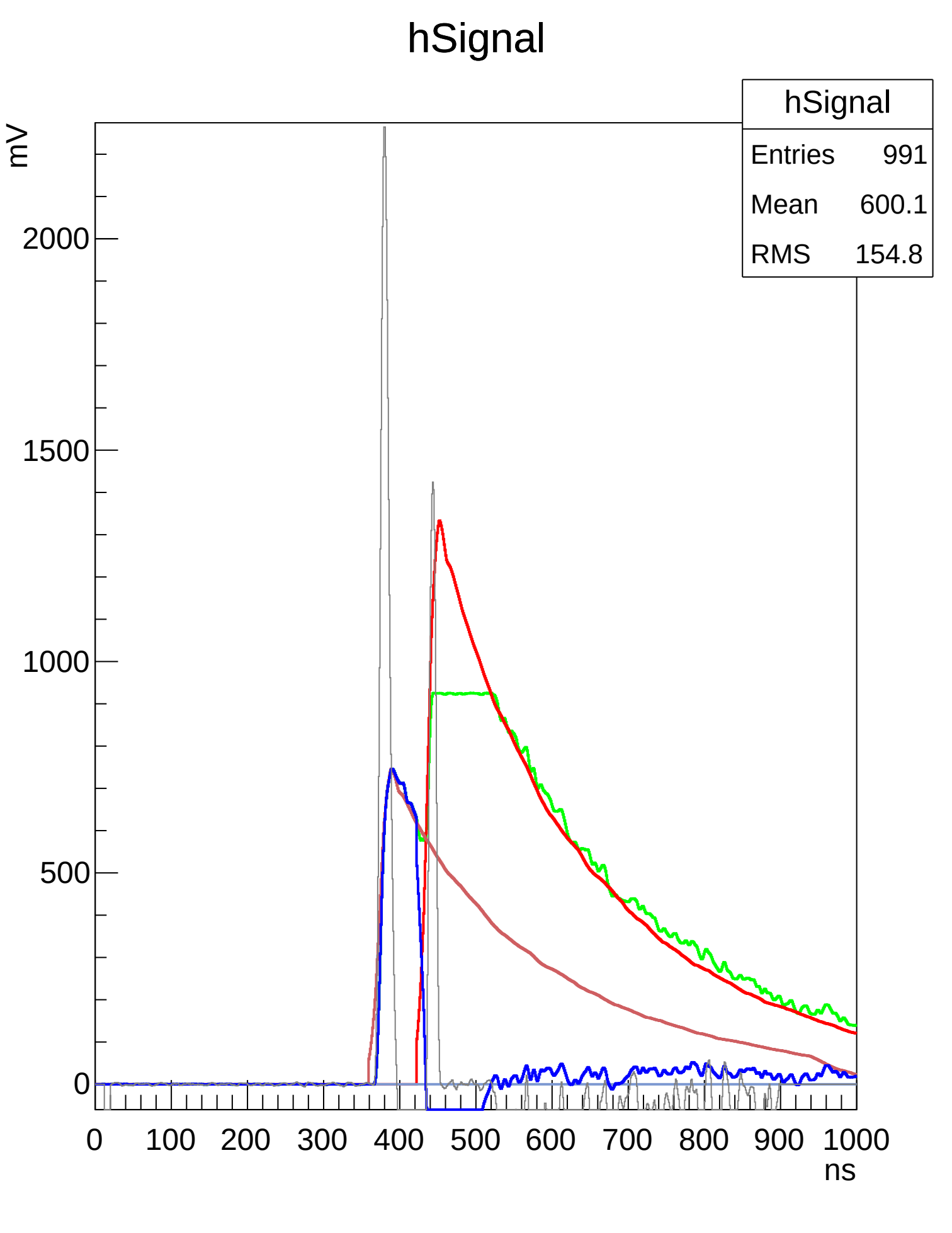

hSignal
hSignal
Entries 991
Mean 602.5
RMS 136.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

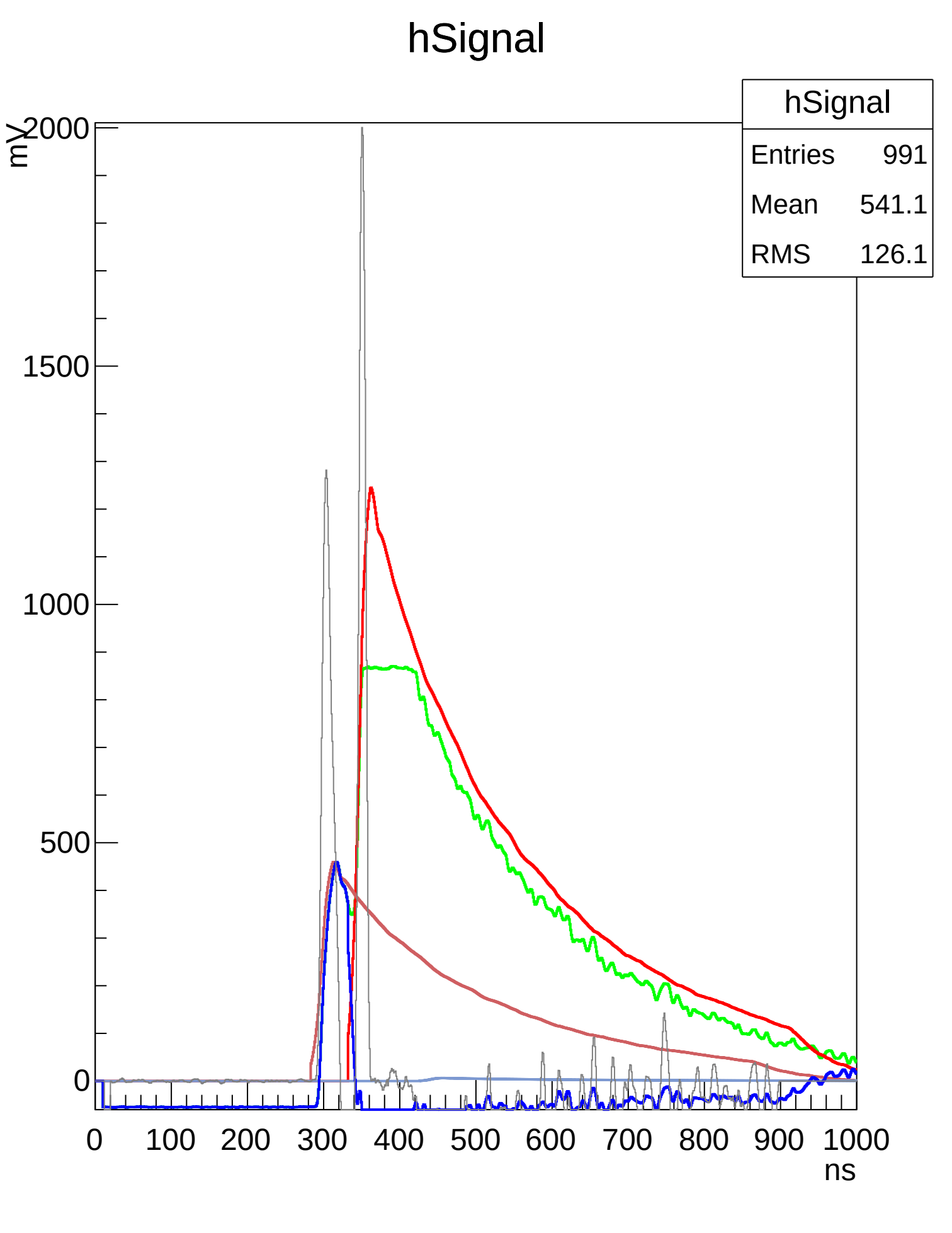

hSignal
hSignal
Entries 991
Mean 619.7
RMS 161.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

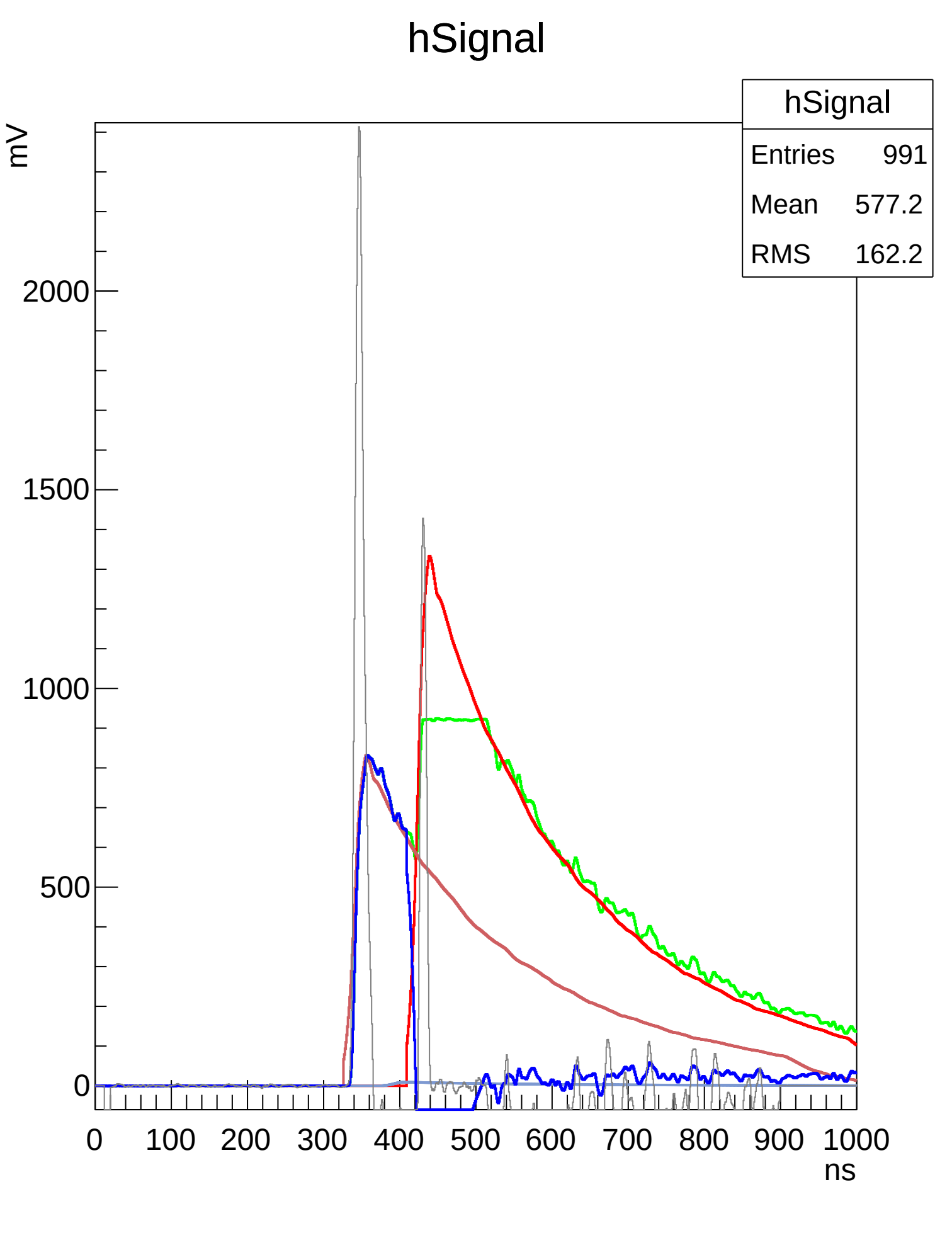

hSignal
hSignal
Entries 991
Mean 587.7
RMS 155
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

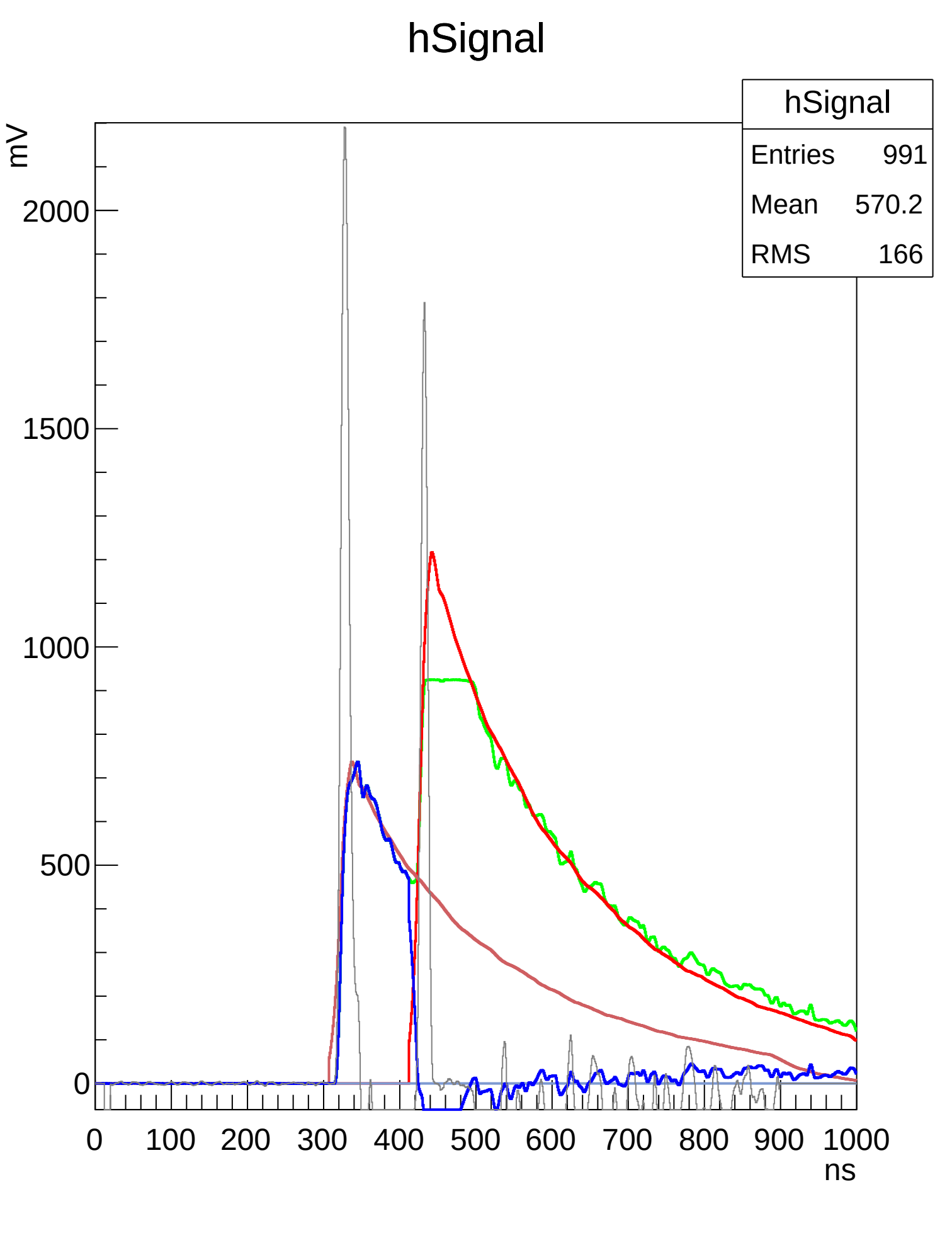

hSignal
hSignal
Entries 991
Mean 614.9
RMS 161.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

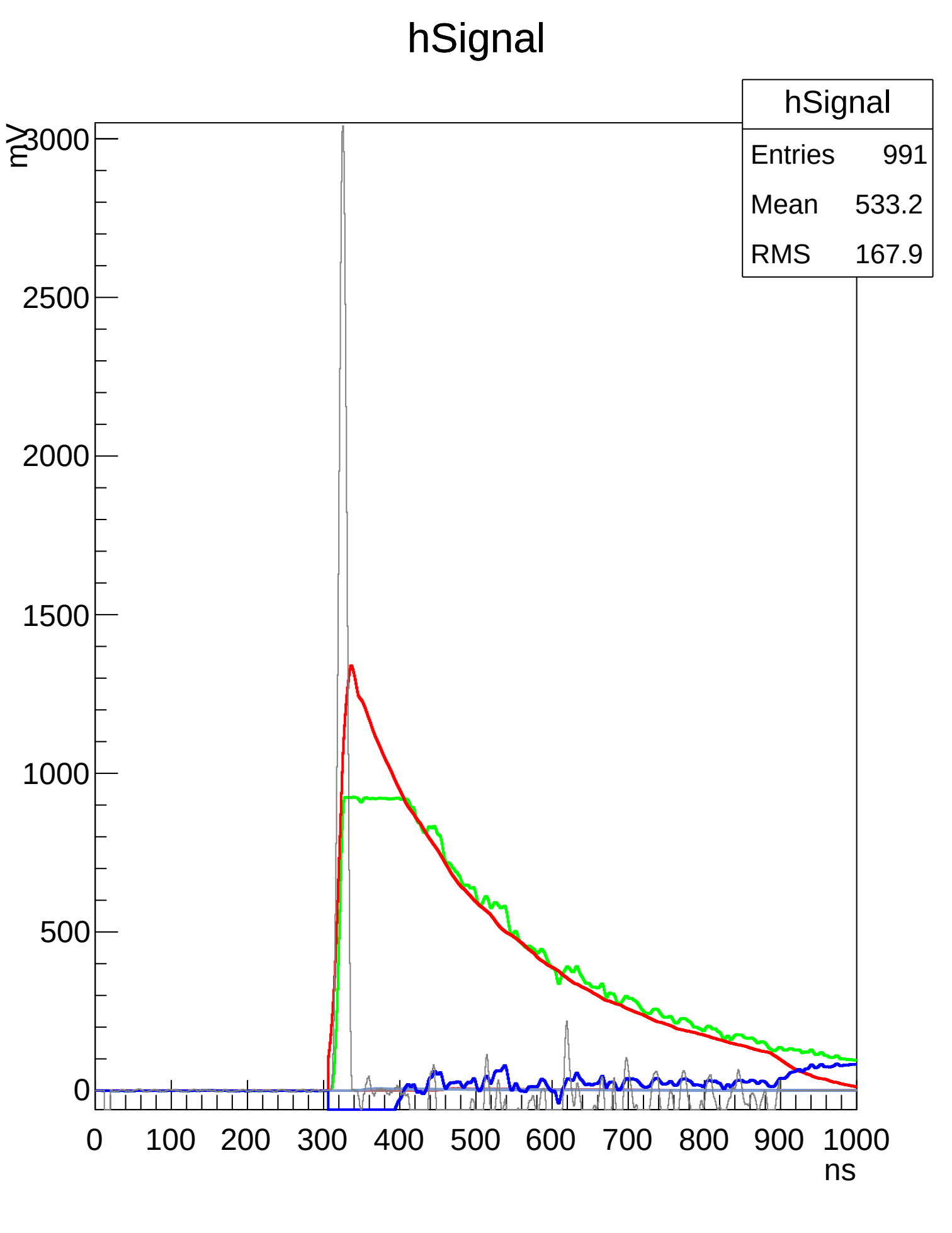

hSignal
hSignal
Entries 991
Mean 556.7
RMS 166.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

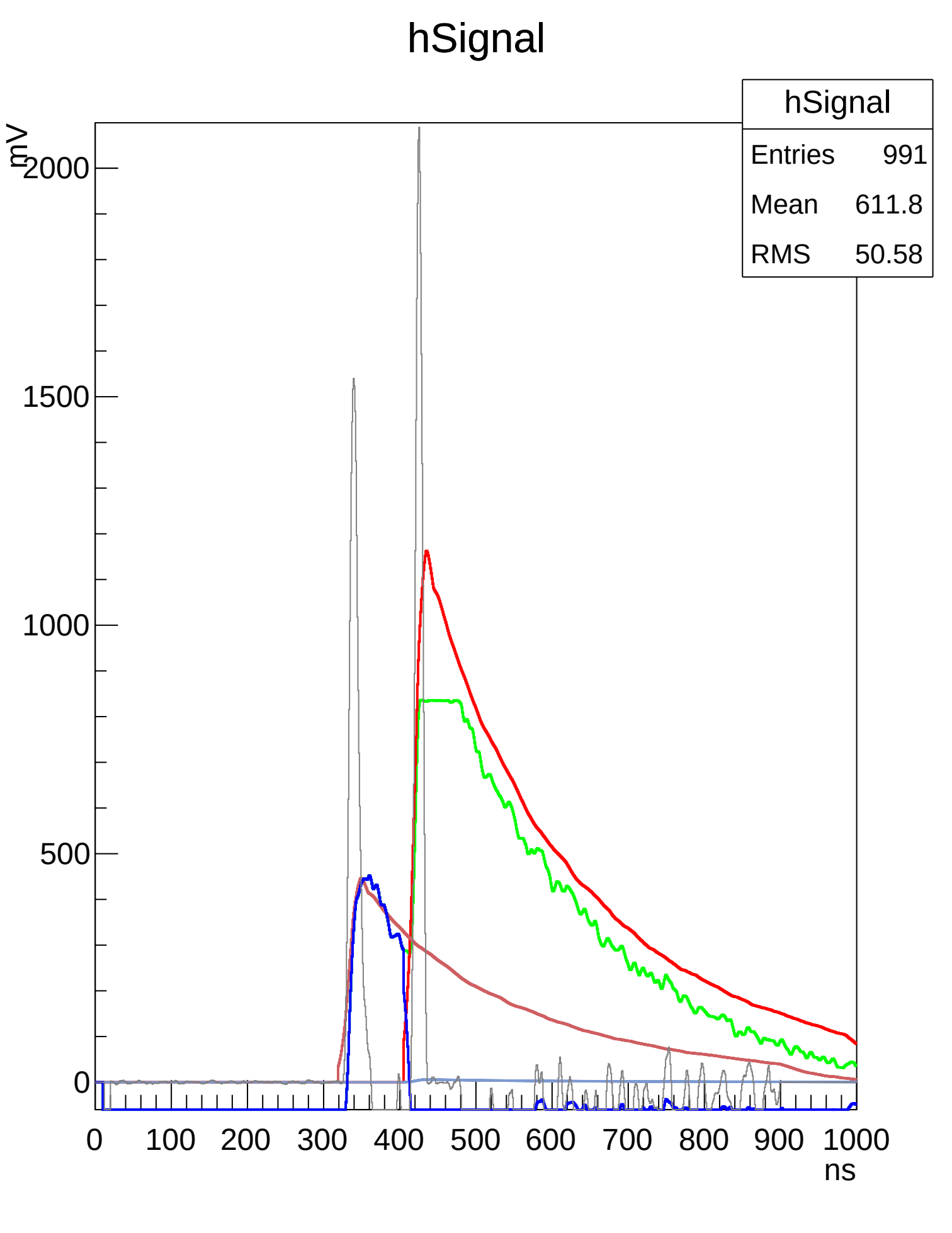

hSignal
hSignal
Entries 991
Mean 600.1
RMS 154.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

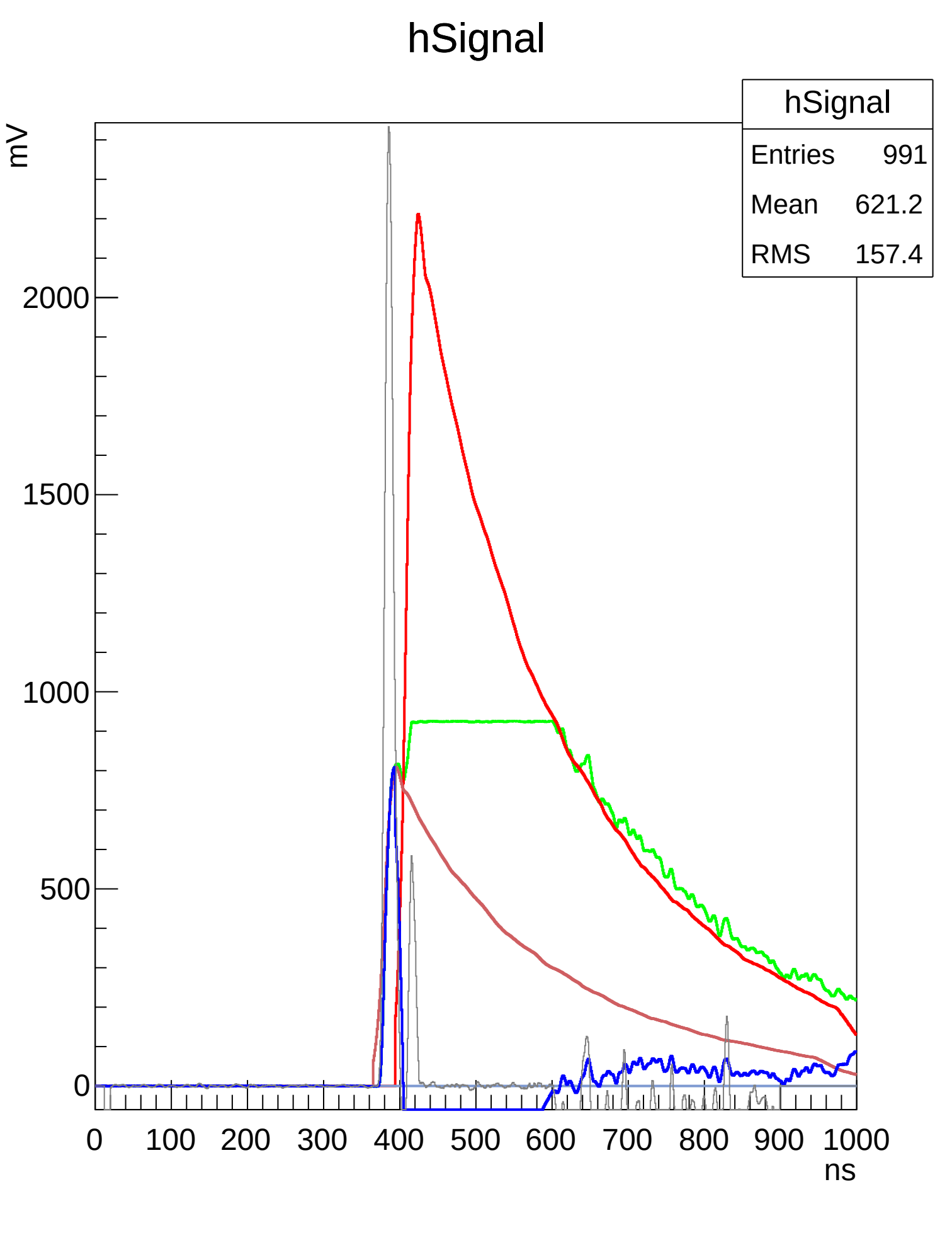

hSignal
hSignal
Entries 991
Mean 541.1
RMS 126.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

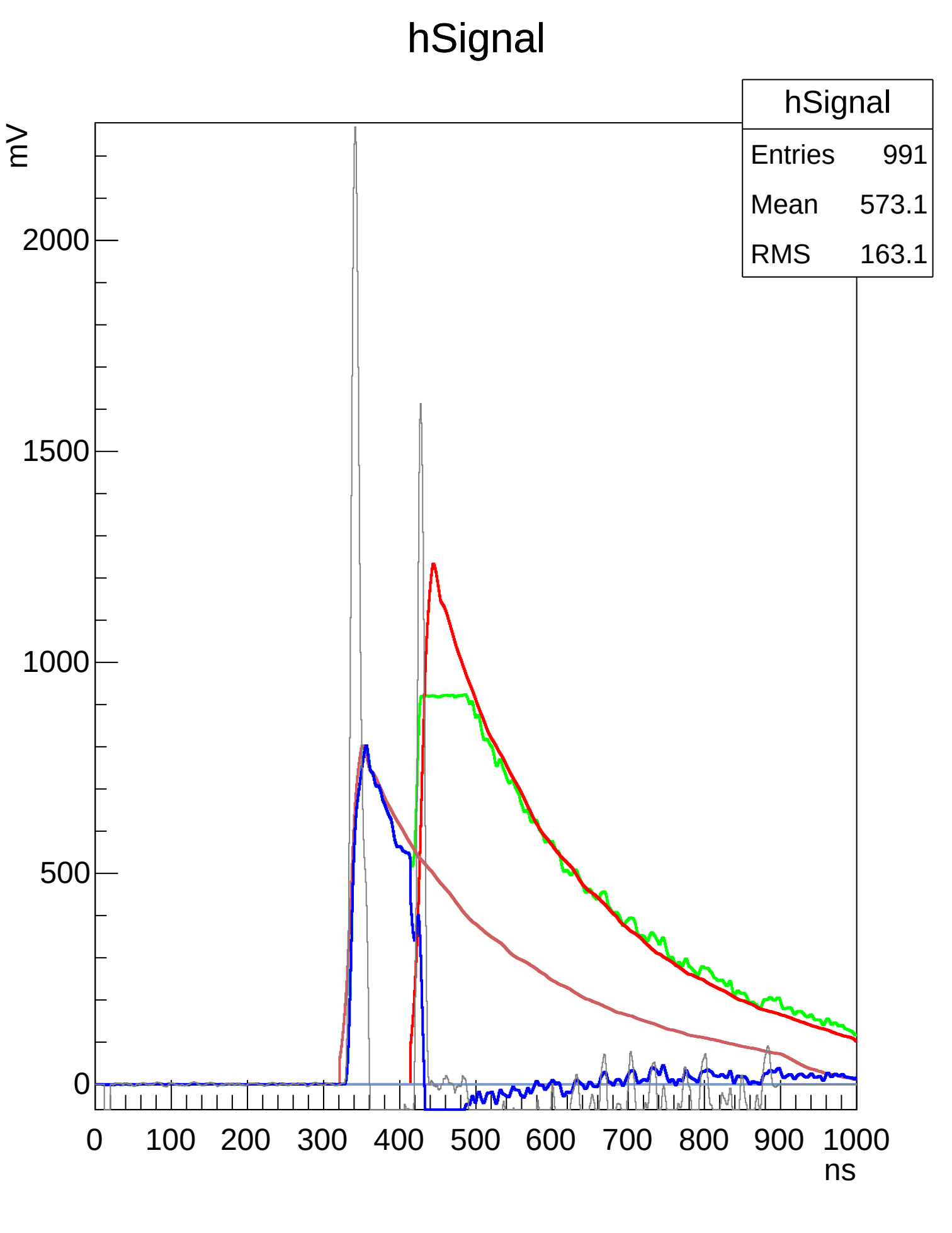

hSignal
hSignal
Entries 991
Mean 577.2
RMS 162.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

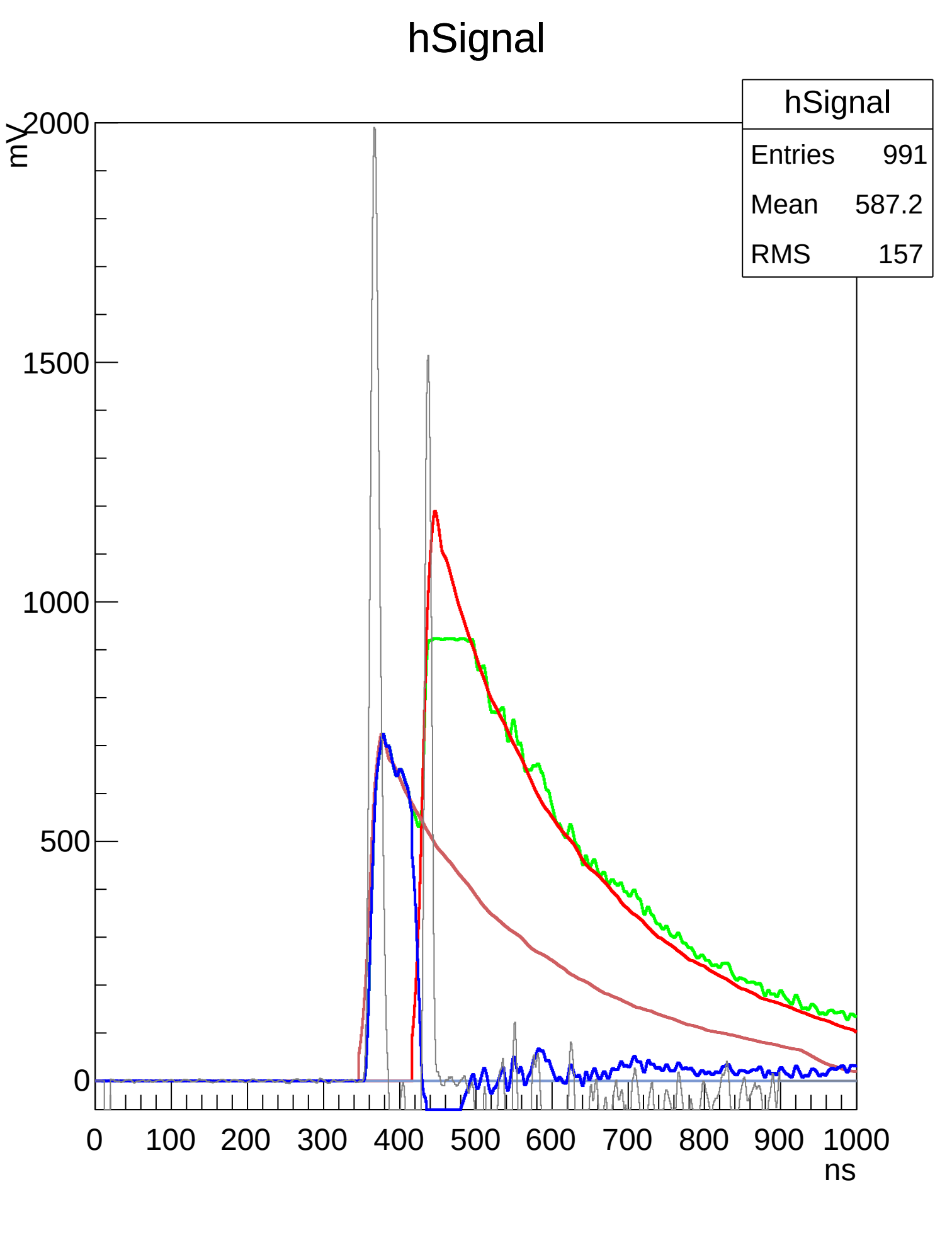

hSignal
hSignal
Entries 991
Mean 570.2
RMS 166
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

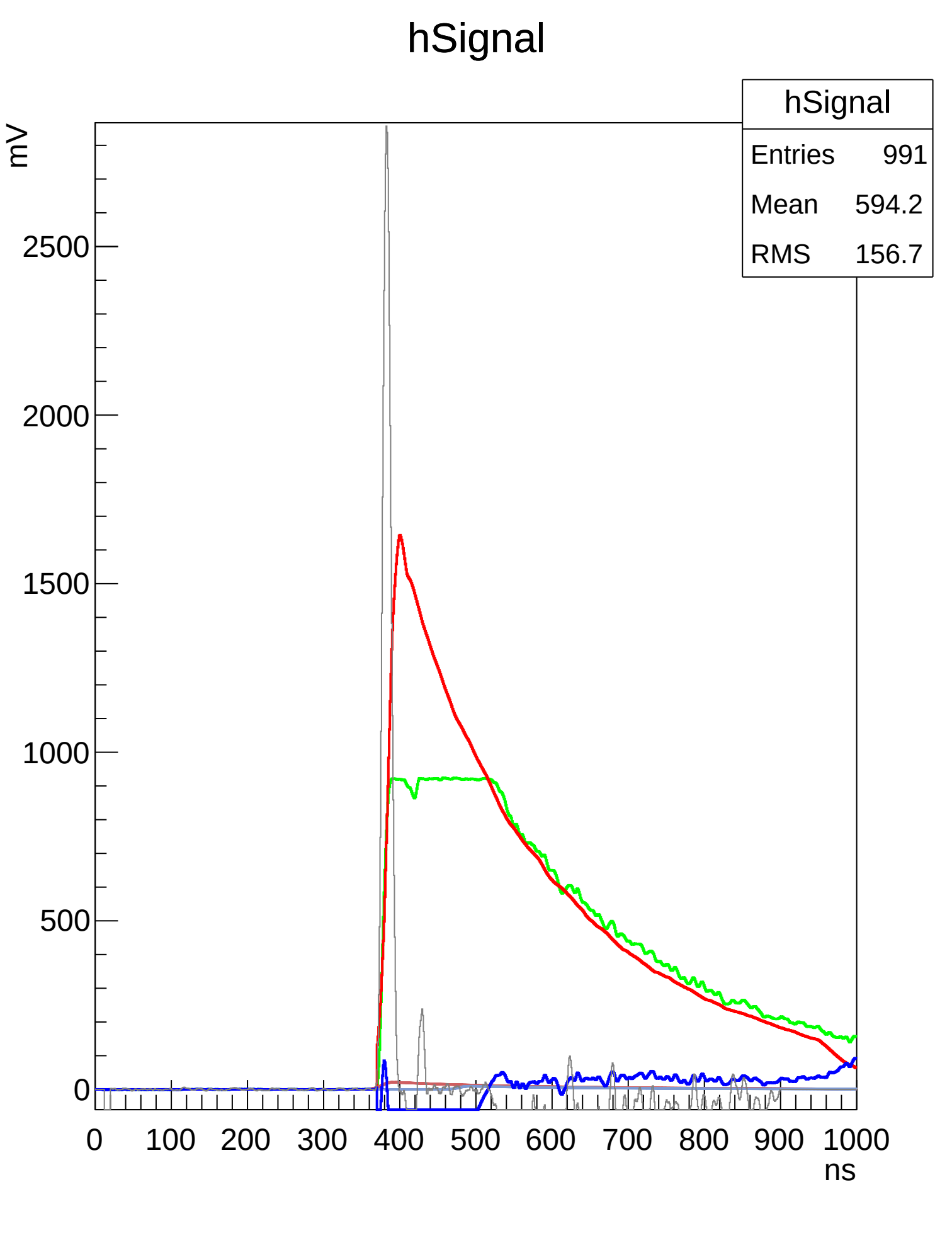

hSignal
hSignal
Entries 991
Mean 533.2
RMS 167.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

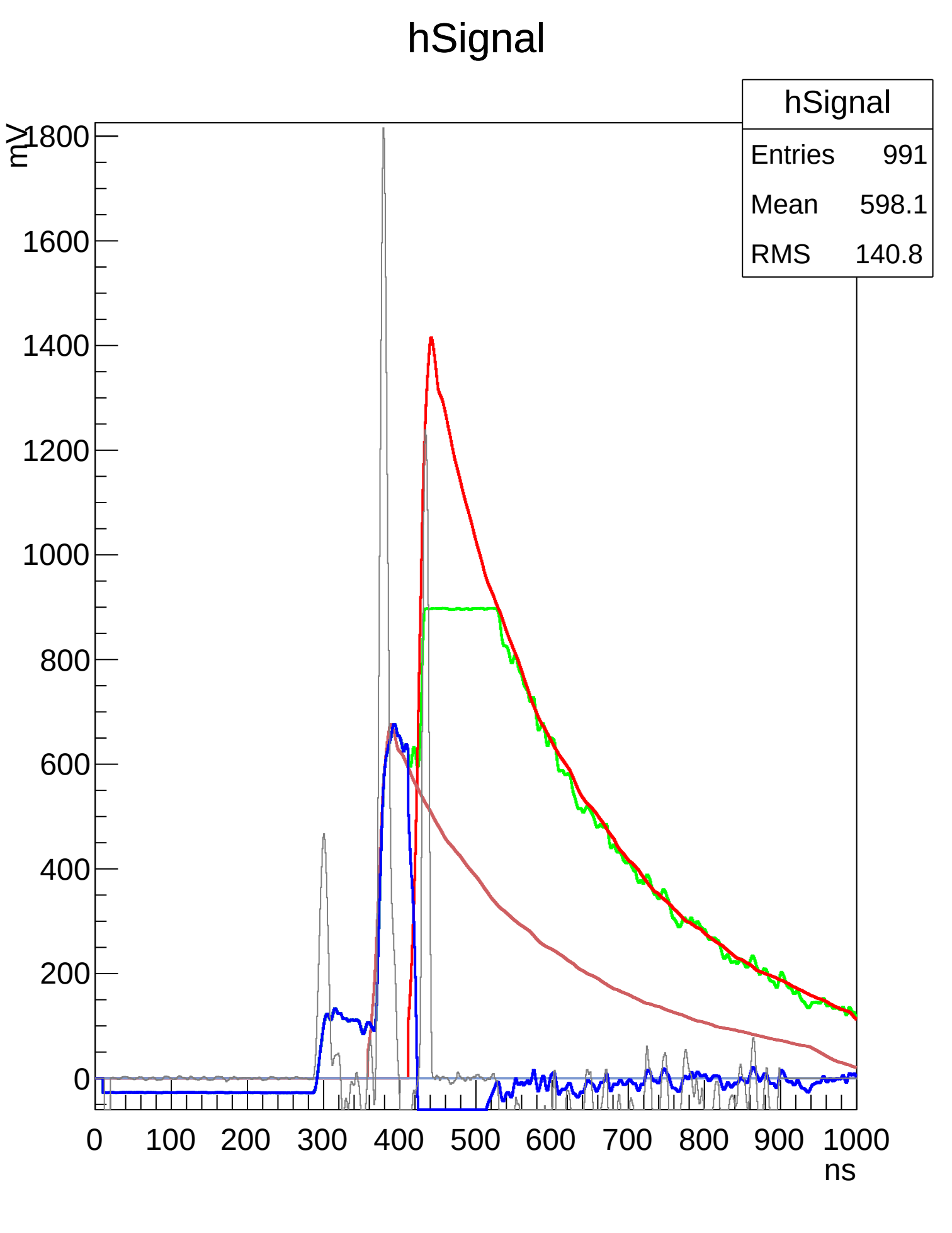

hSignal
hSignal
Entries 991
Mean 611.8
RMS 50.58
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

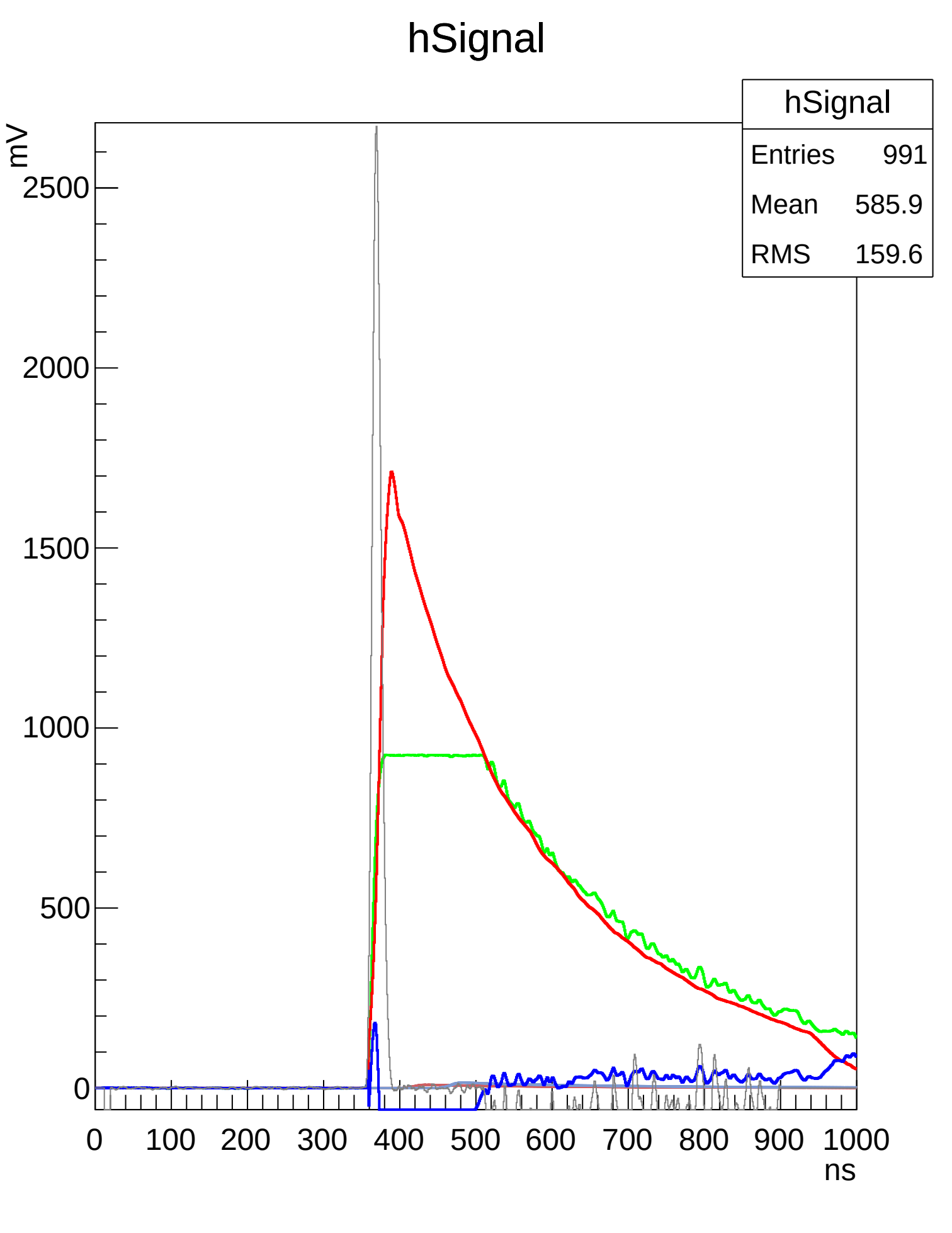

hSignal
hSignal
Entries 991
Mean 621.2
RMS 157.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

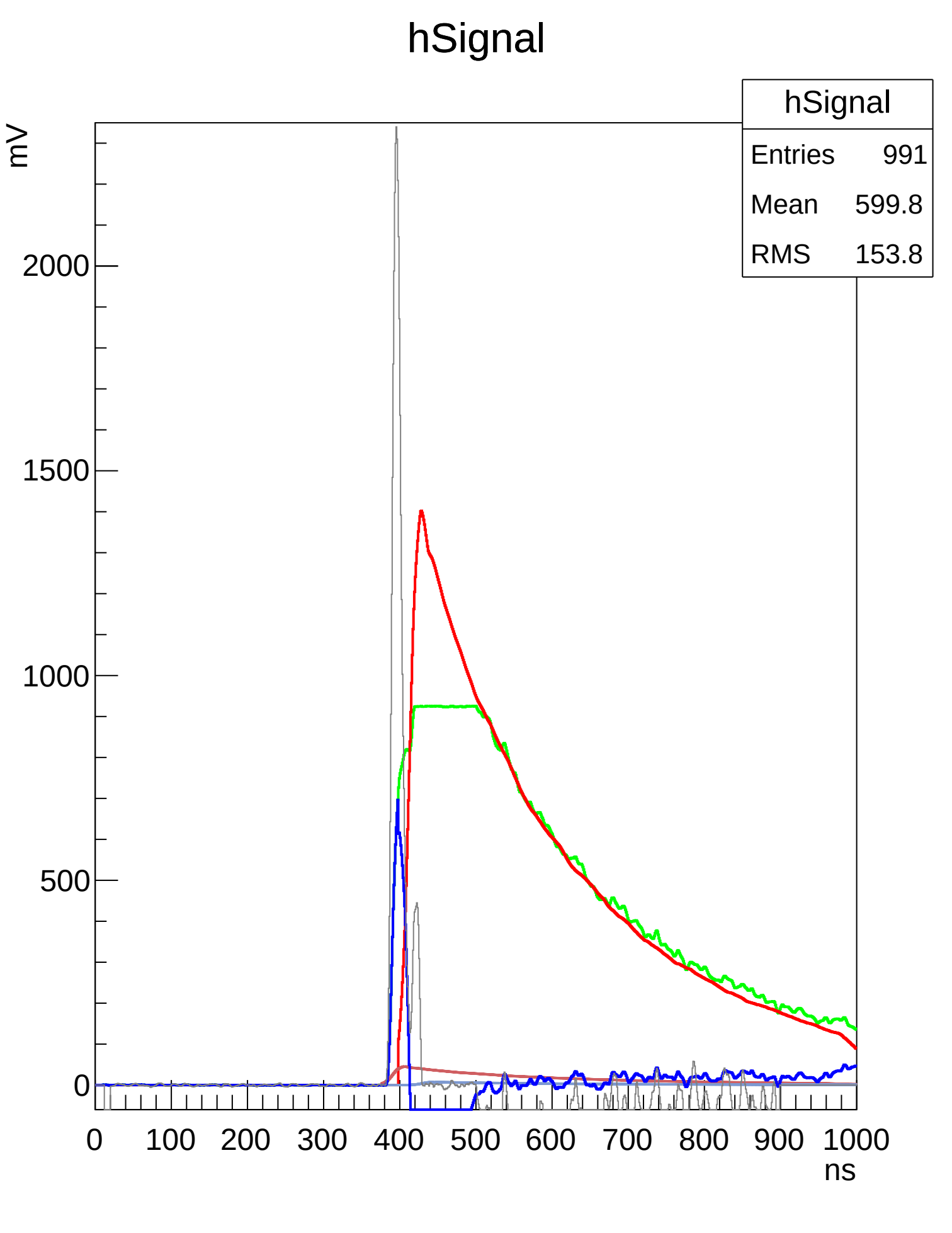

hSignal
hSignal
Entries 991
Mean 573.1
RMS 163.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

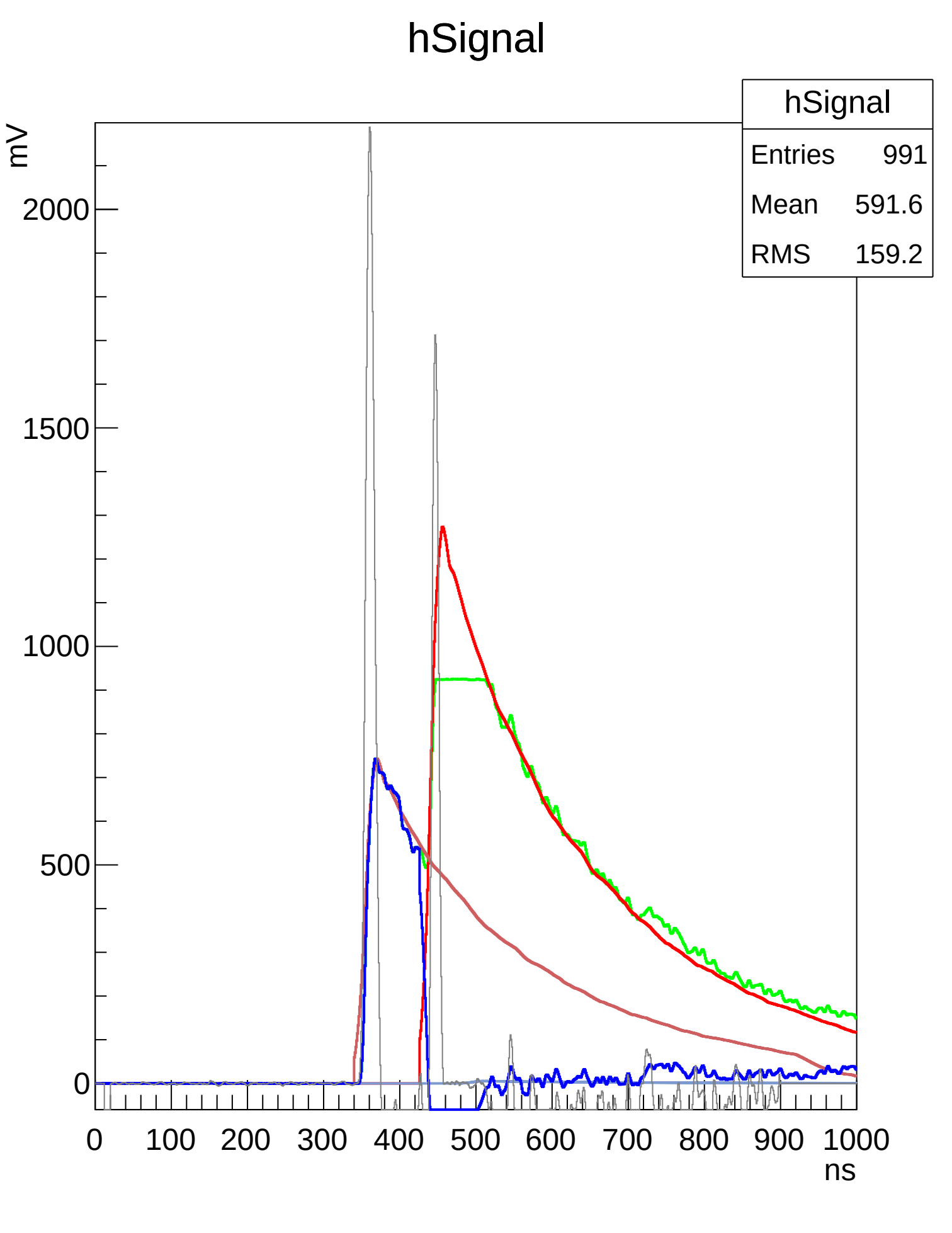

hSignal
hSignal
Entries 991
Mean 587.2
RMS 157
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

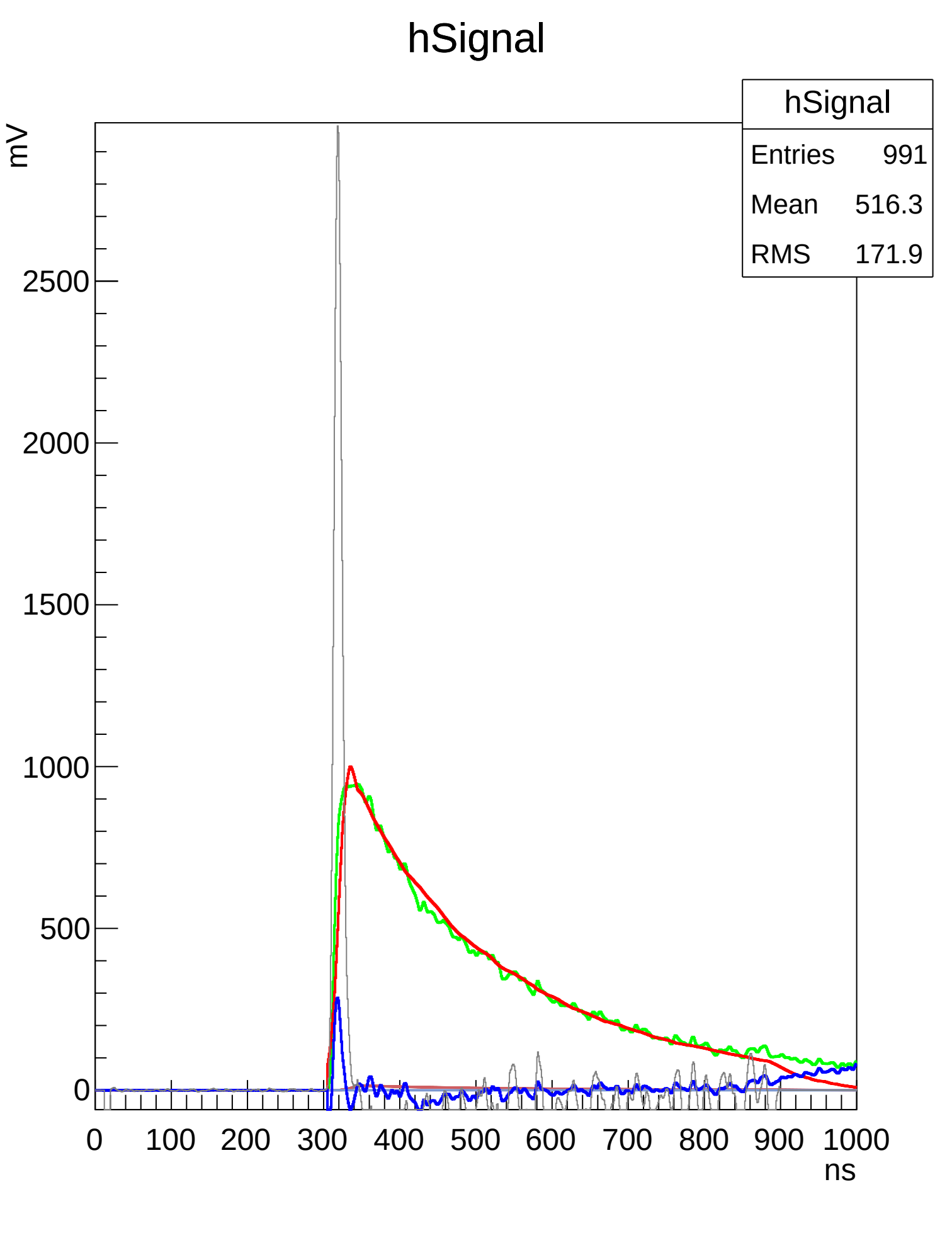

hSignal
hSignal
Entries 991
Mean 594.2
RMS 156.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

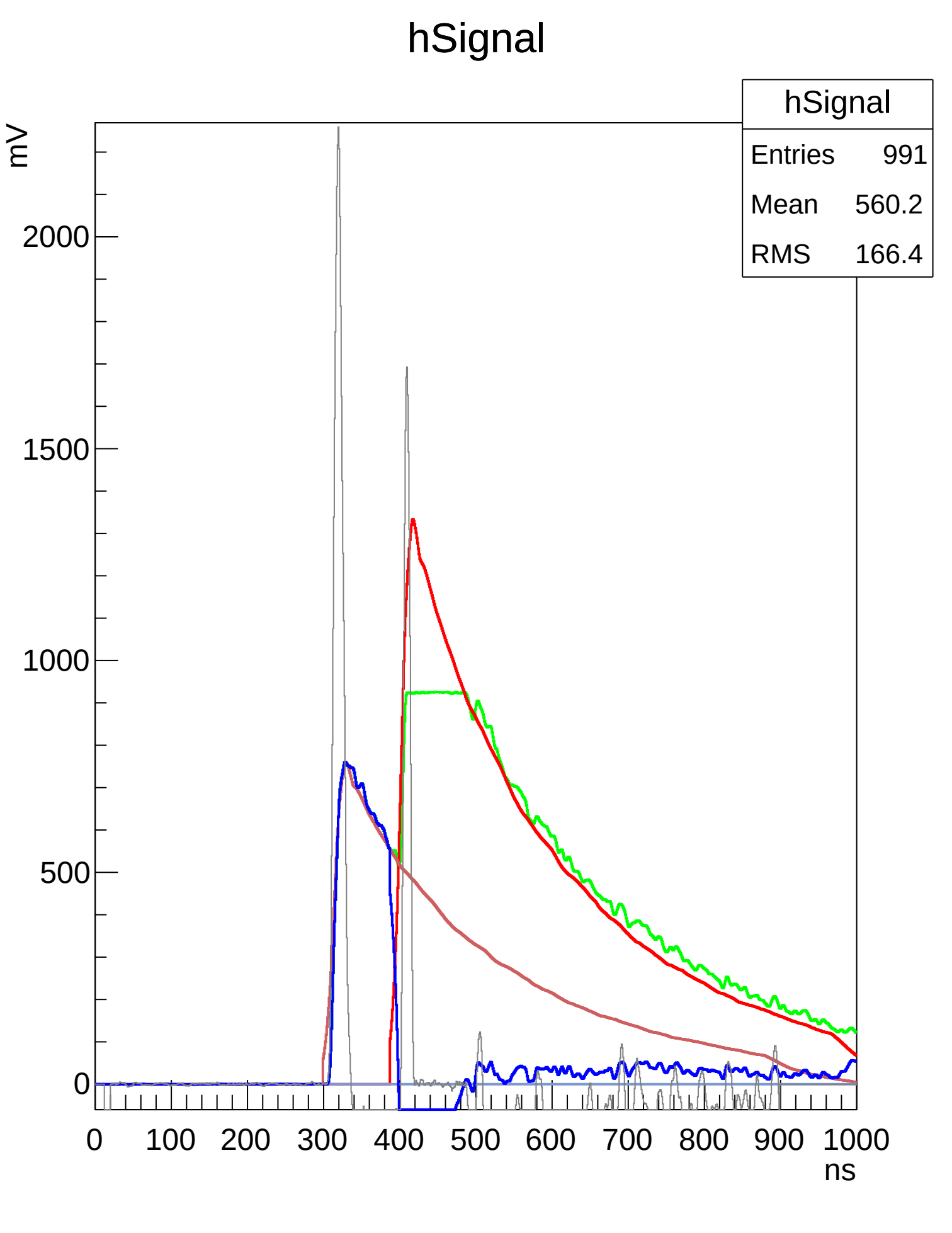

hSignal
hSignal
Entries 991
Mean 598.1
RMS 140.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

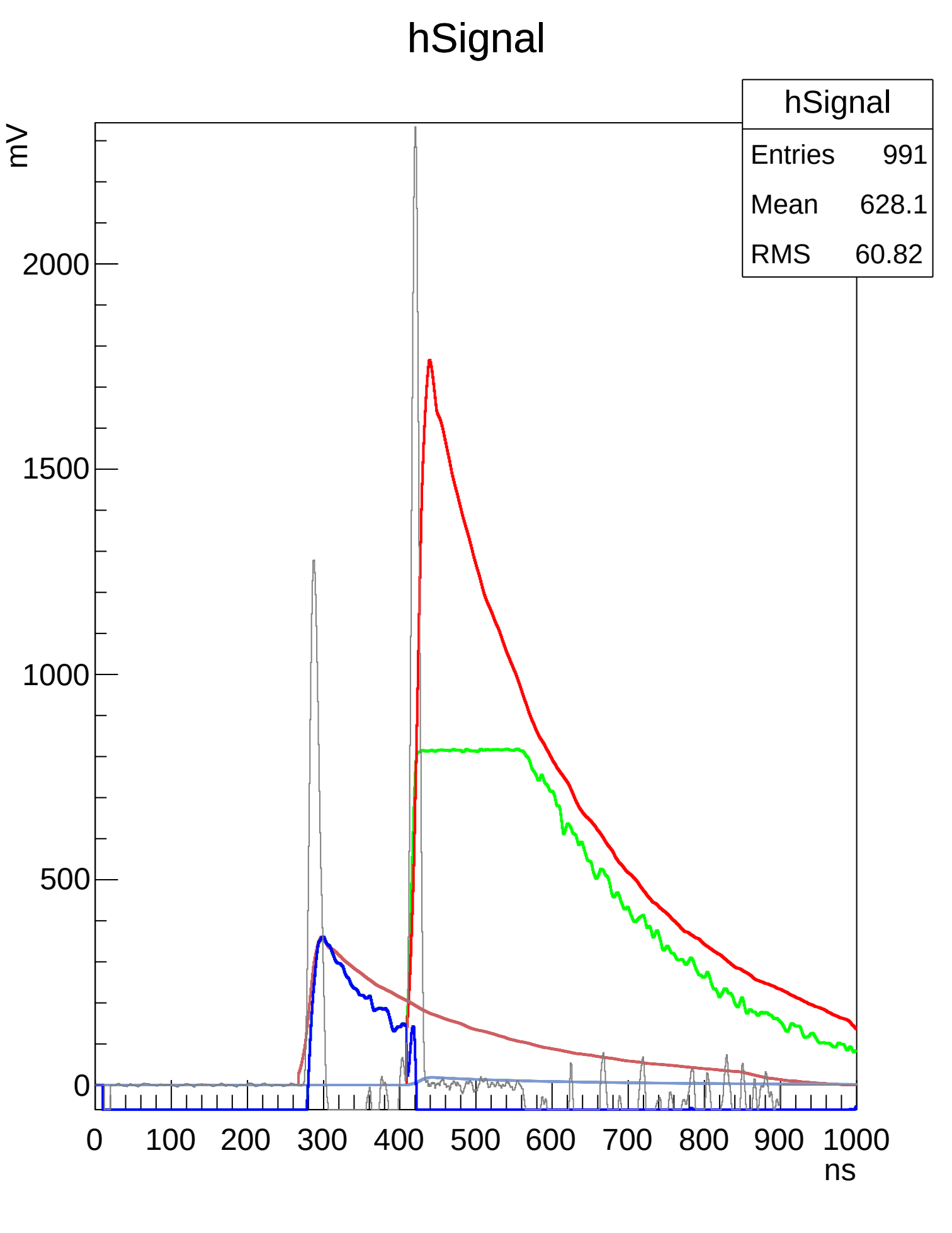

hSignal
hSignal
Entries 991
Mean 585.9
RMS 159.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

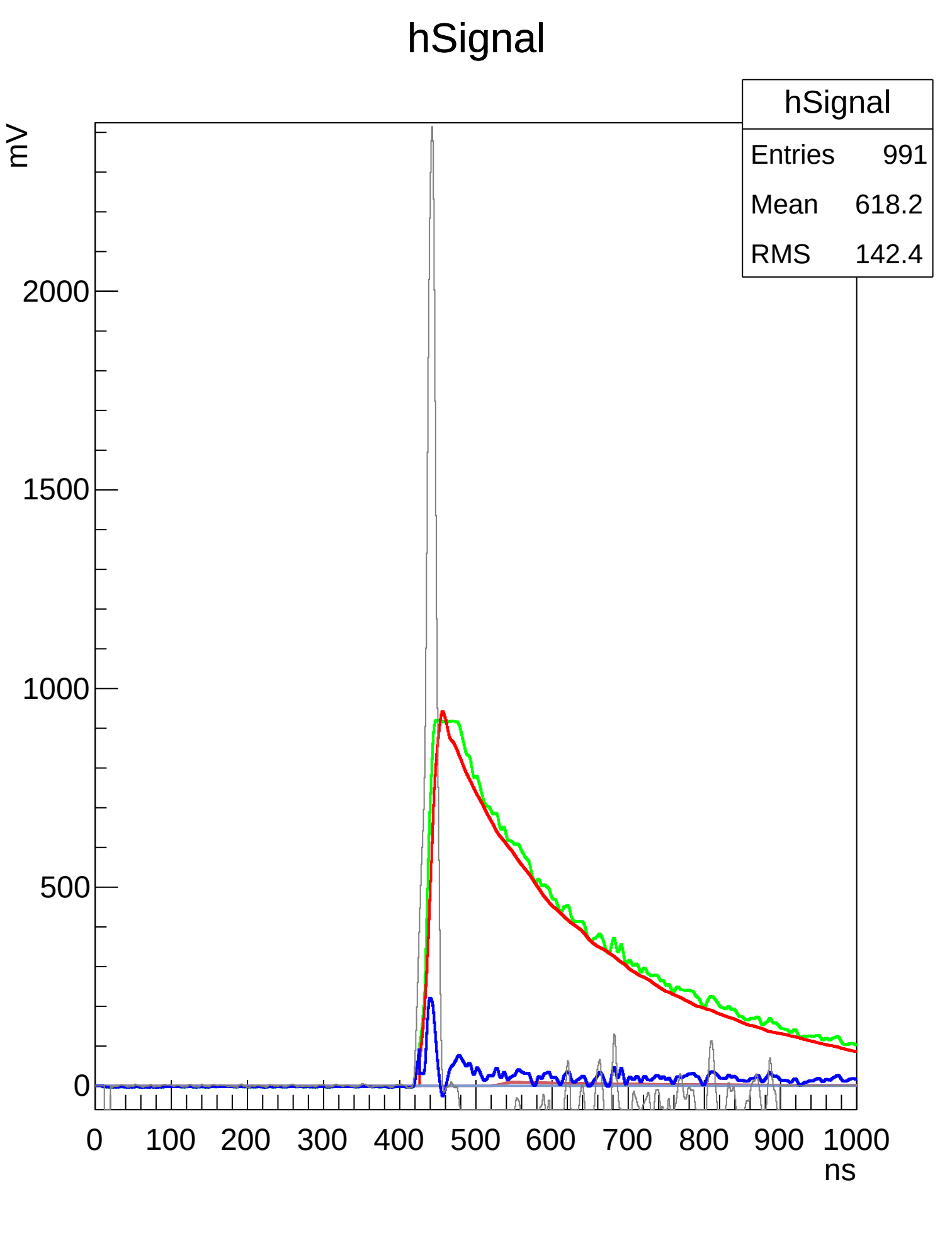

hSignal
hSignal
Entries 991
Mean 599.8
RMS 153.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

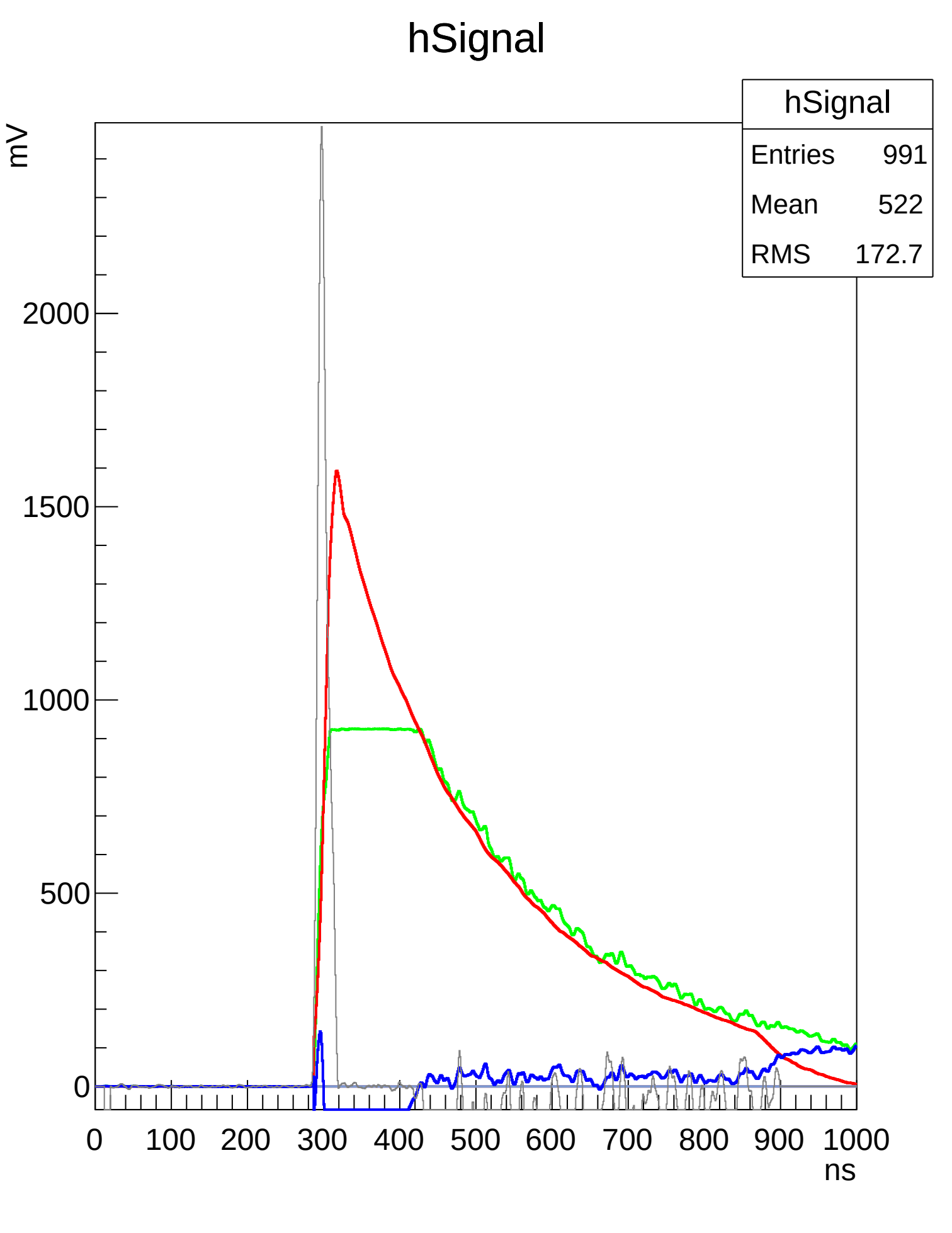

hSignal
hSignal
Entries 991
Mean 591.6
RMS 159.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

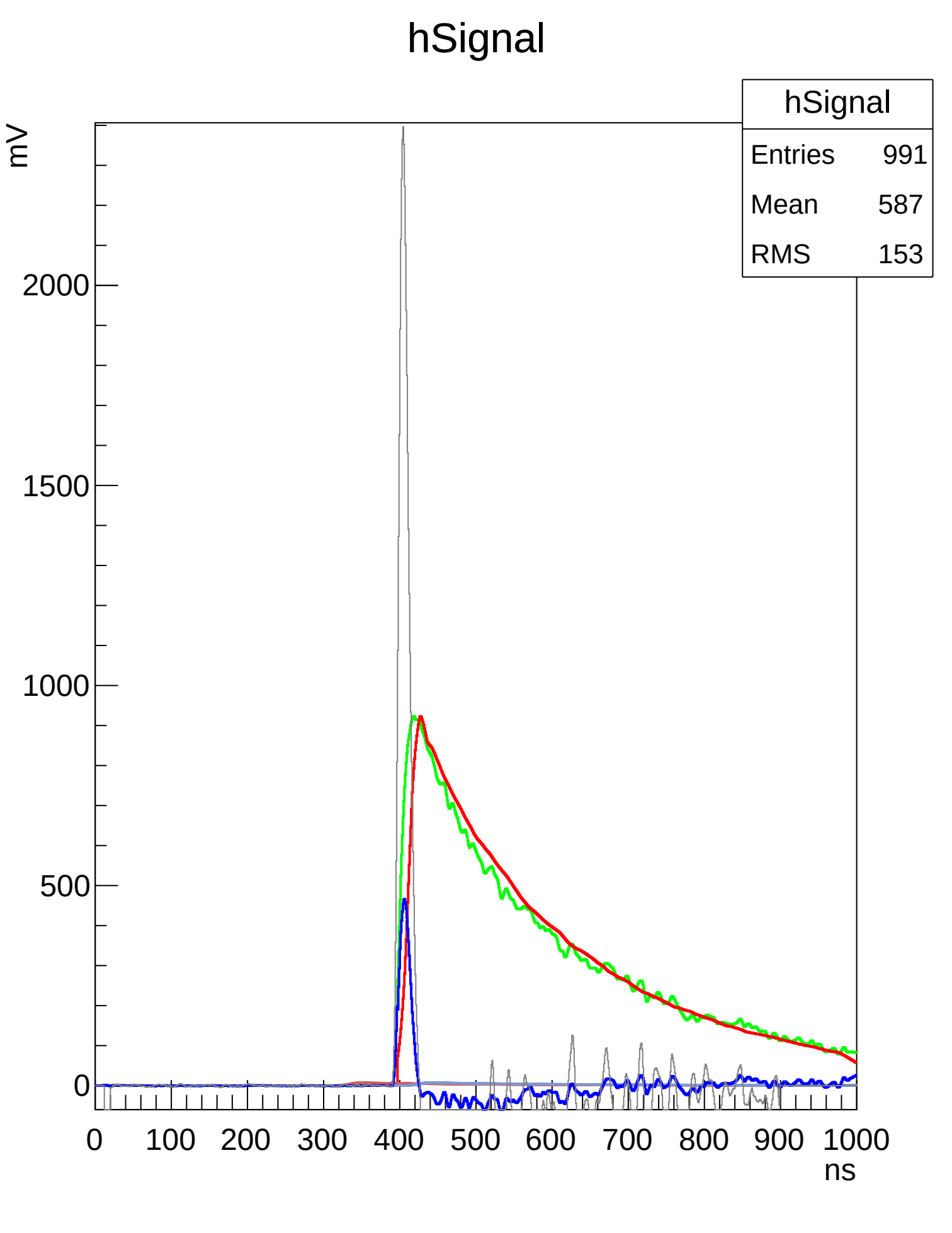

hSignal
hSignal
Entries 991
Mean 516.3
RMS 171.9
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

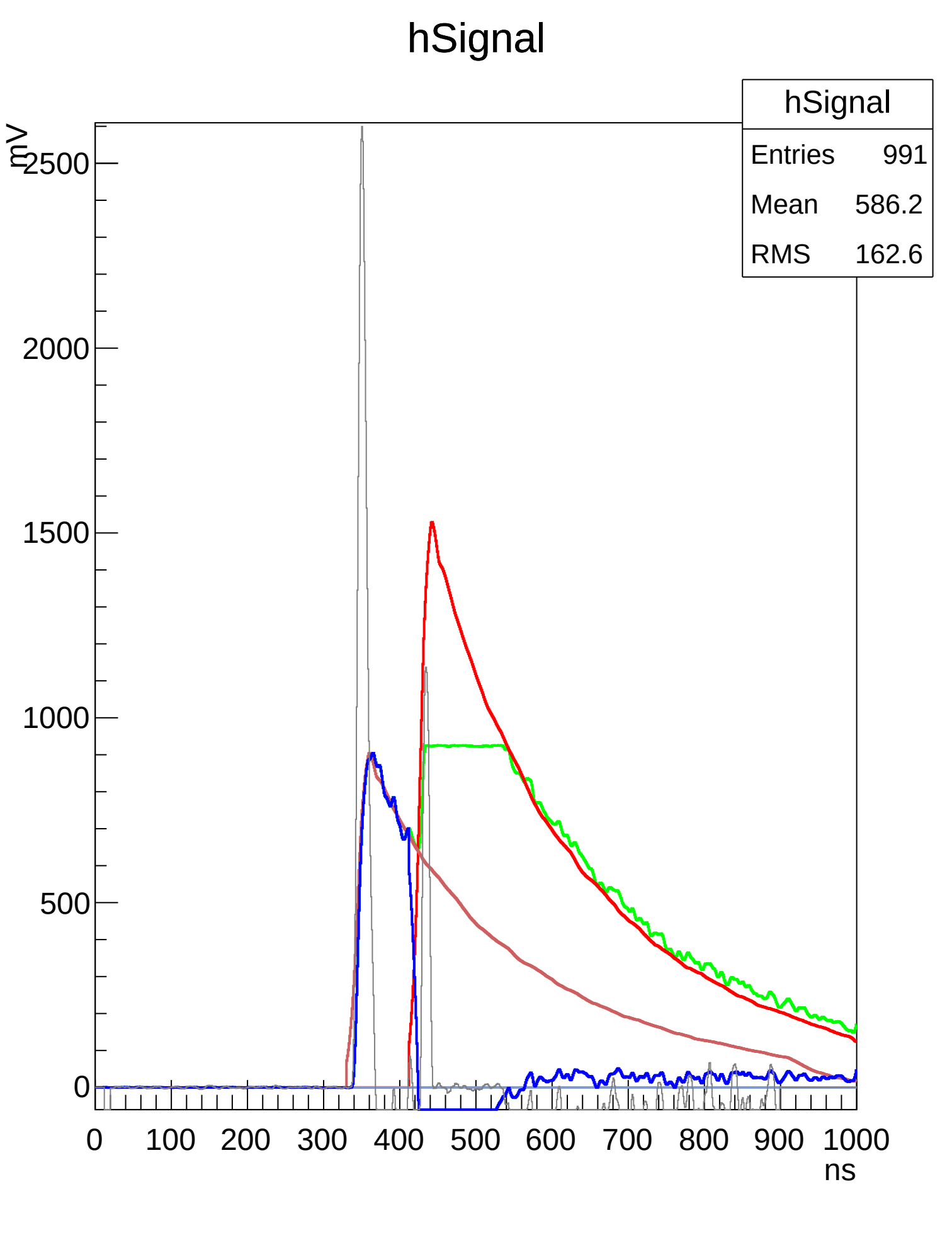

hSignal
hSignal
Entries 991
Mean 560.2
RMS 166.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

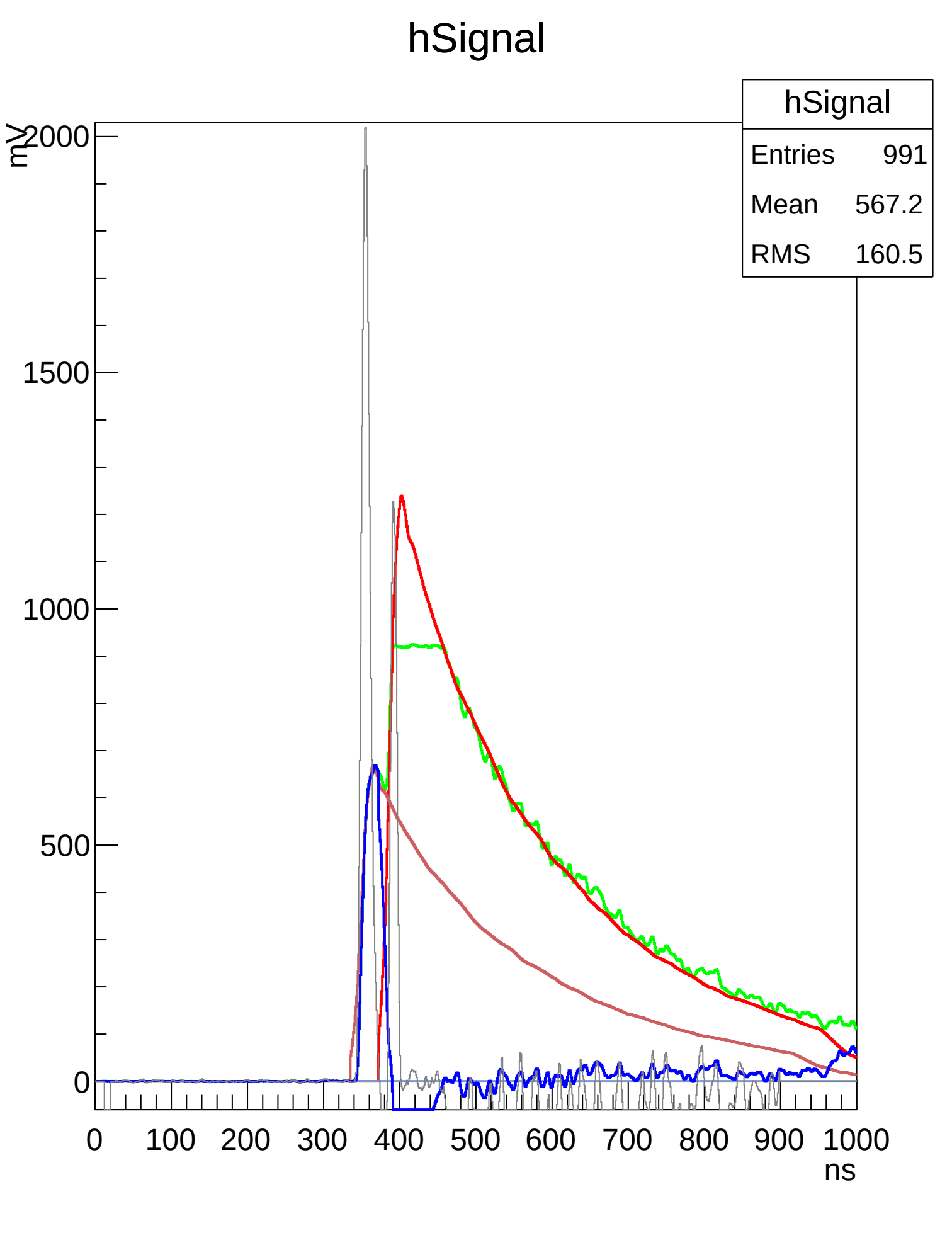

hSignal
hSignal
Entries 991
Mean 628.1
RMS 60.82
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

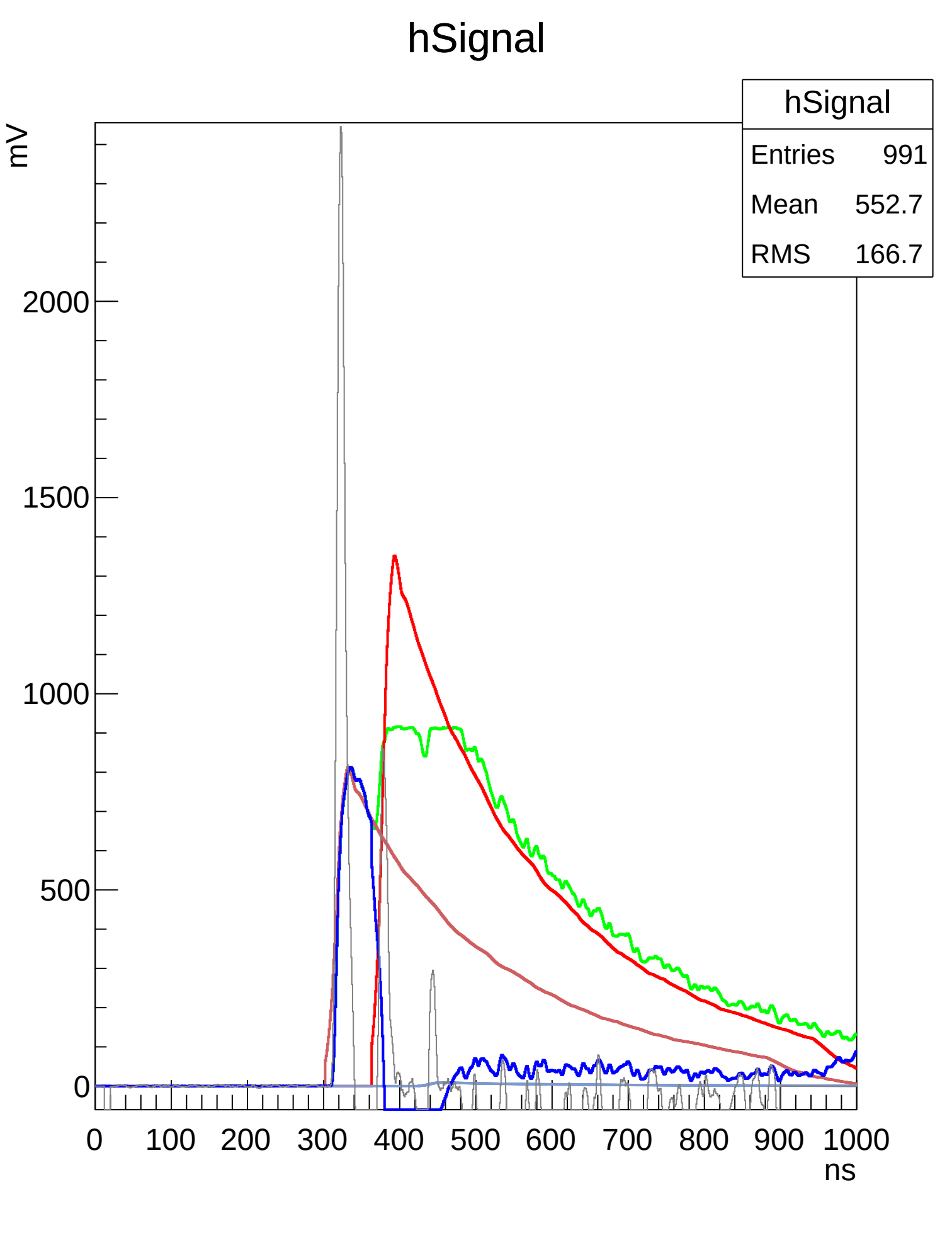

hSignal
hSignal
Entries 991
Mean 618.2
RMS 142.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

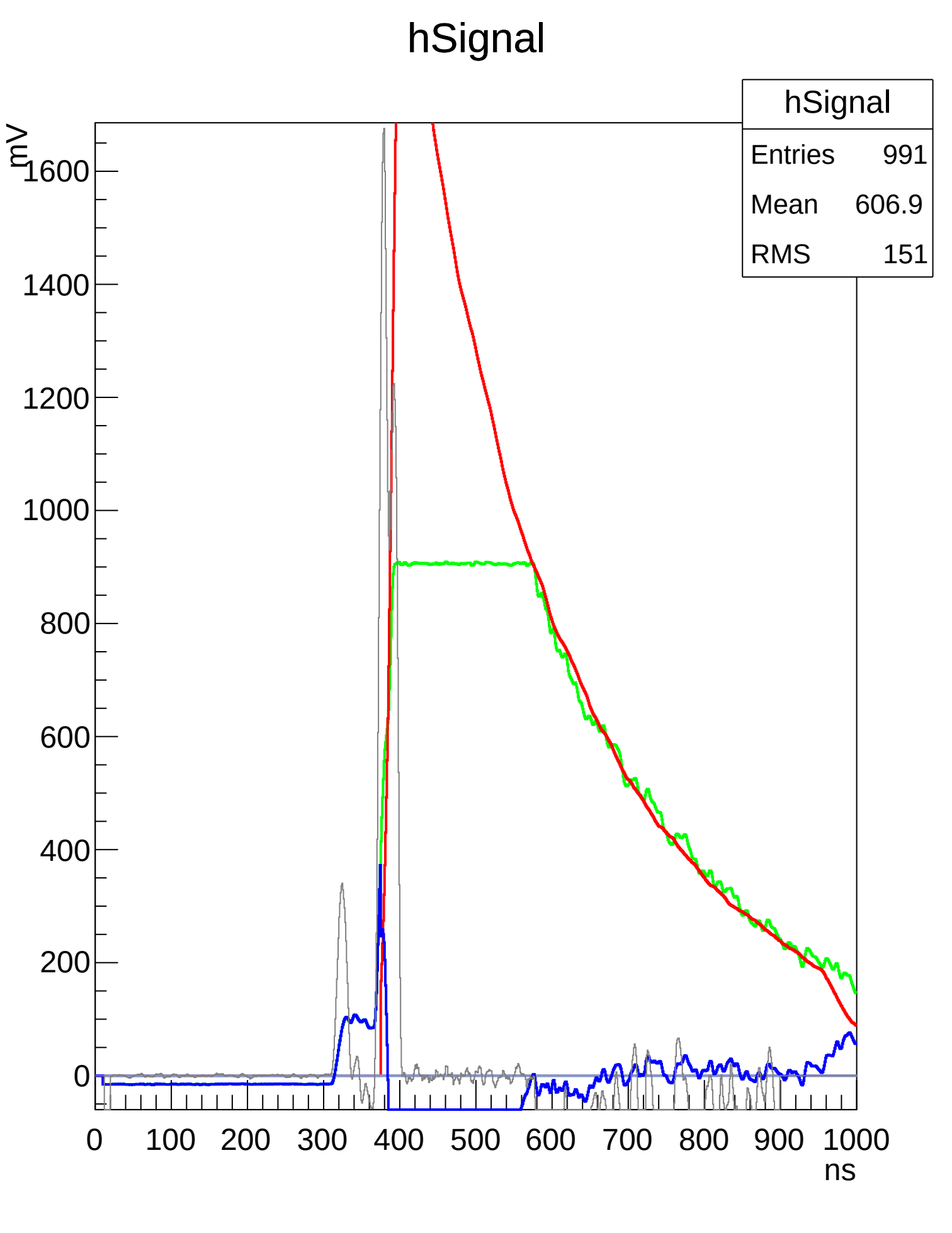

hSignal
hSignal
Entries 991
Mean 522
RMS 172.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

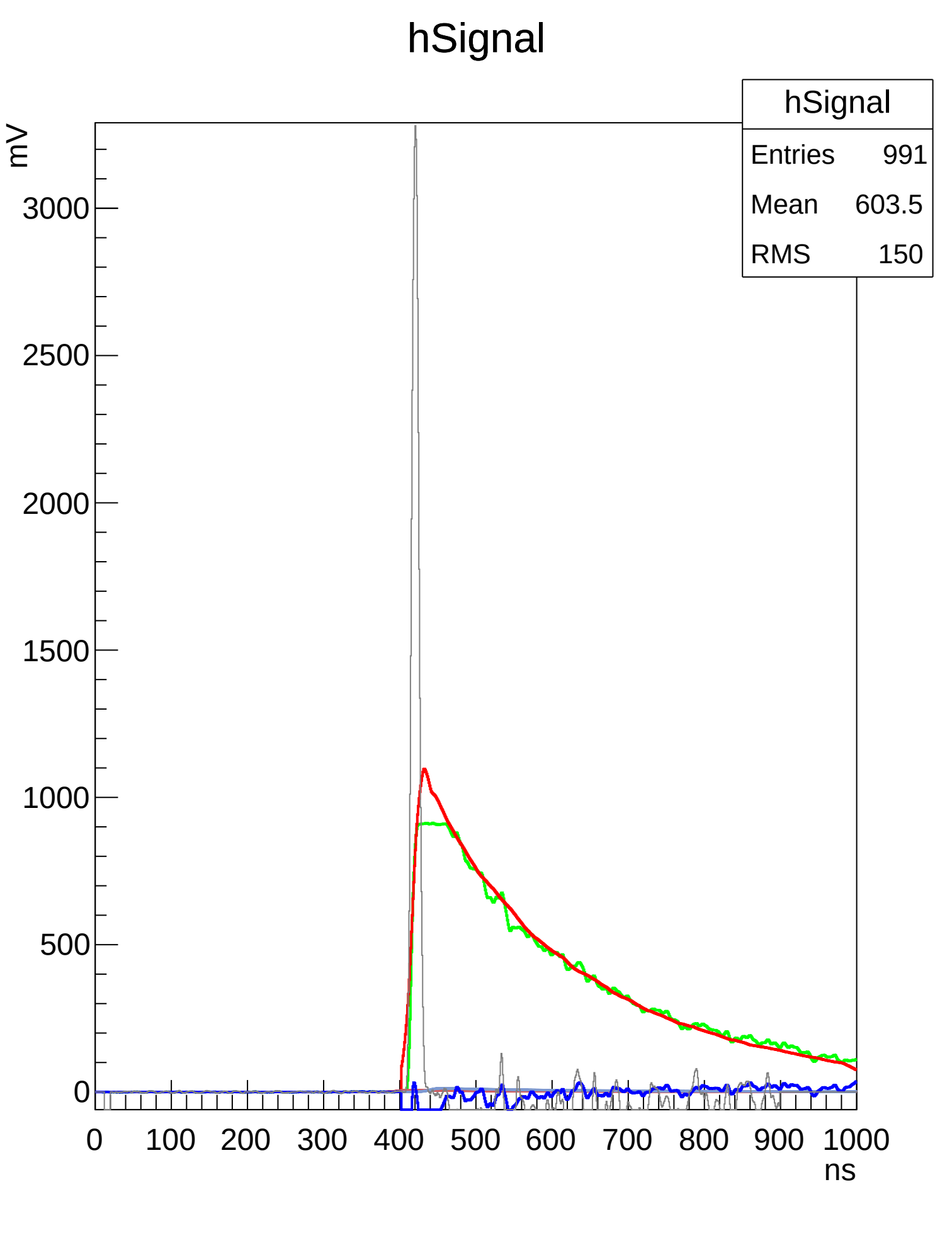

hSignal
hSignal
Entries 991
Mean 587
RMS 153
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

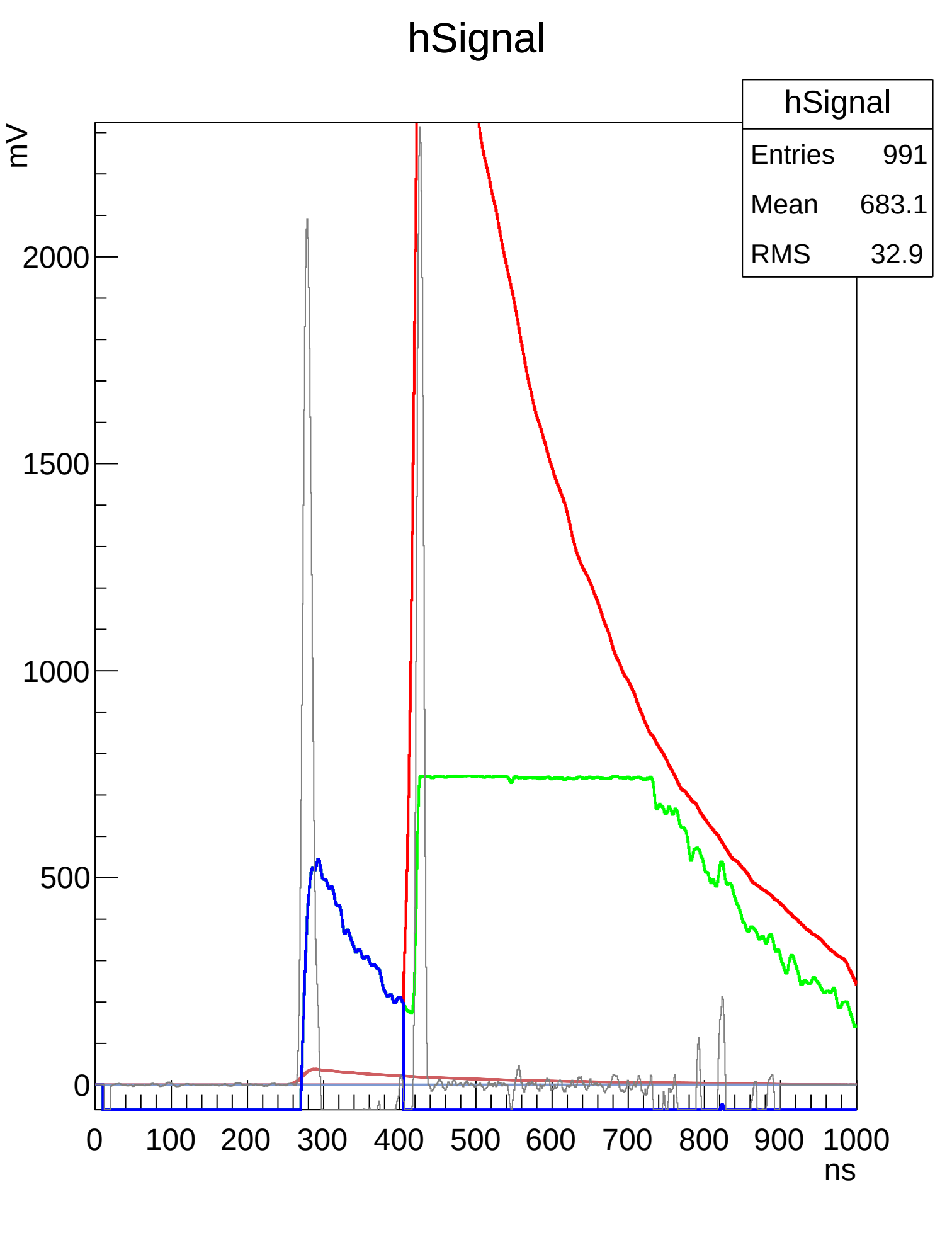

hSignal
hSignal
Entries 991
Mean 586.2
RMS 162.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

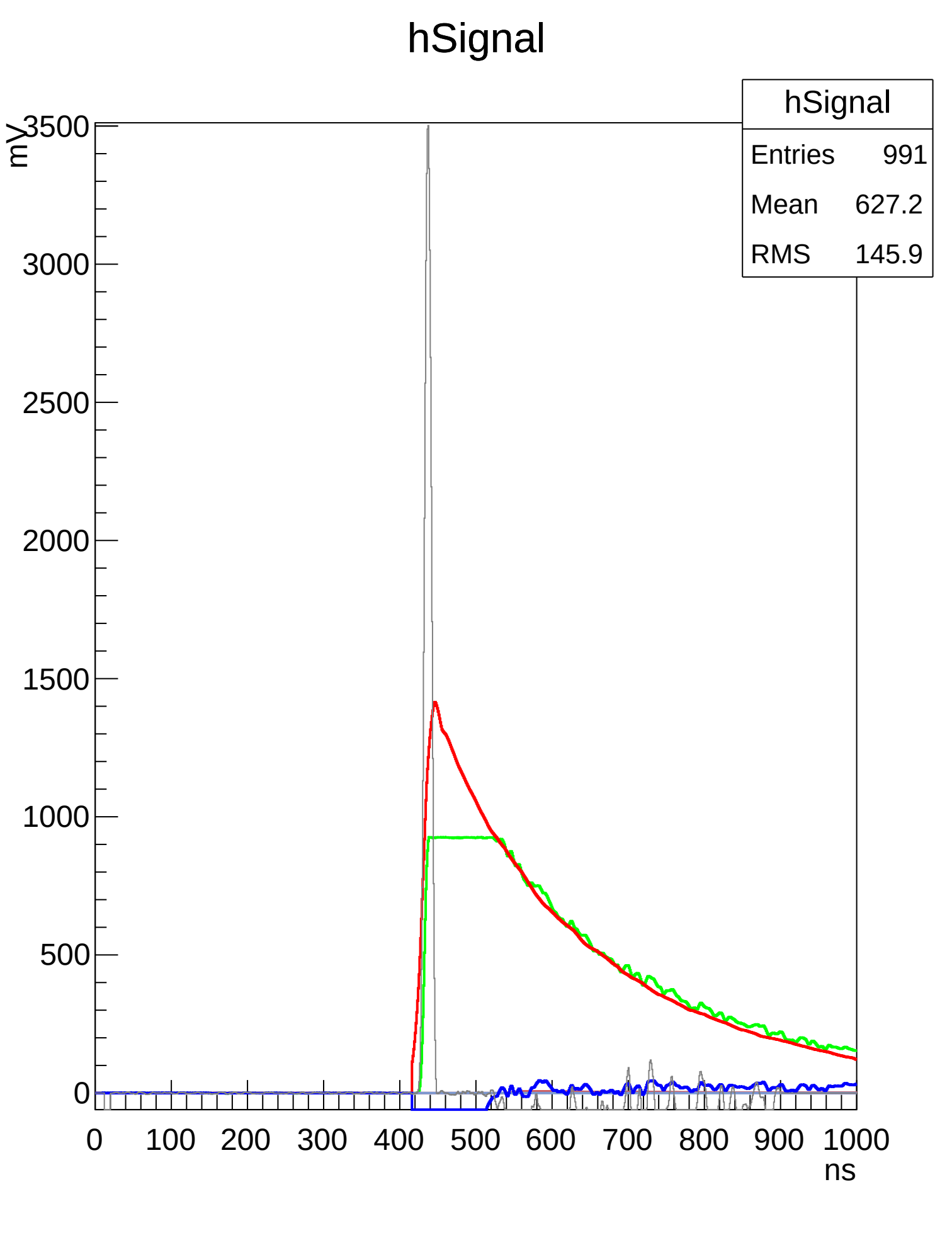

hSignal
hSignal
Entries 991
Mean 567.2
RMS 160.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

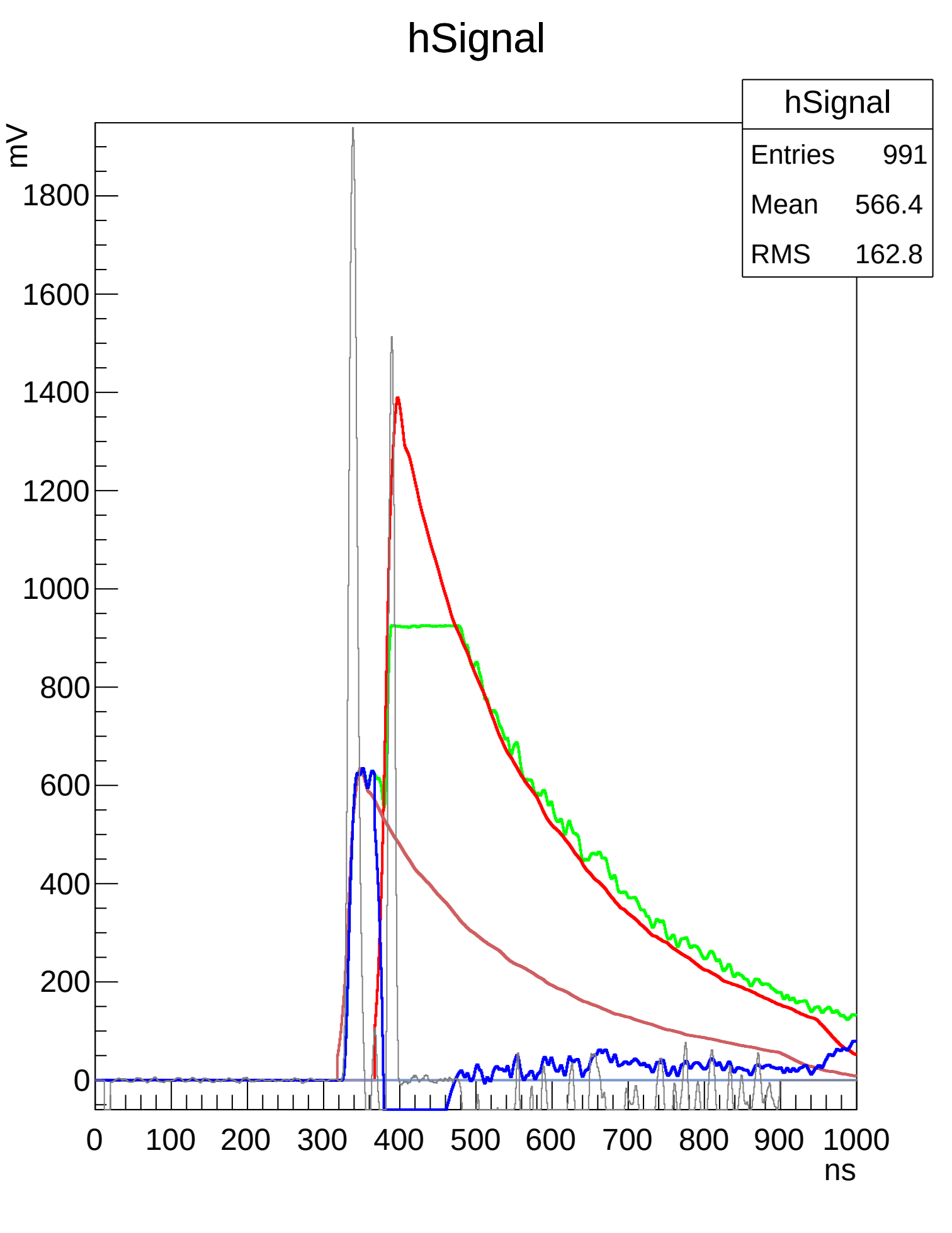

hSignal
hSignal
Entries 991
Mean 552.7
RMS 166.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

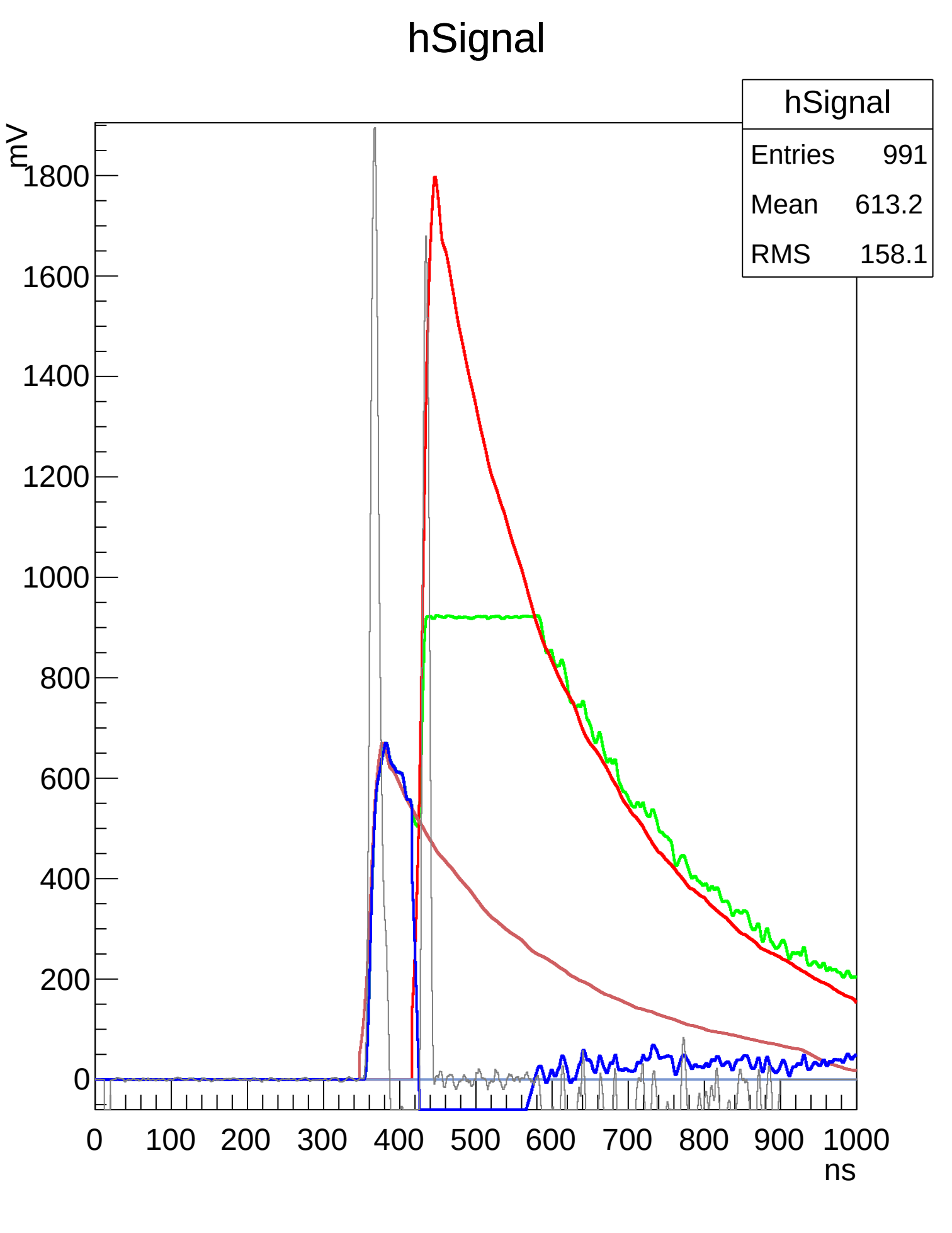

hSignal
hSignal
Entries 991
Mean 606.9
RMS 151
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

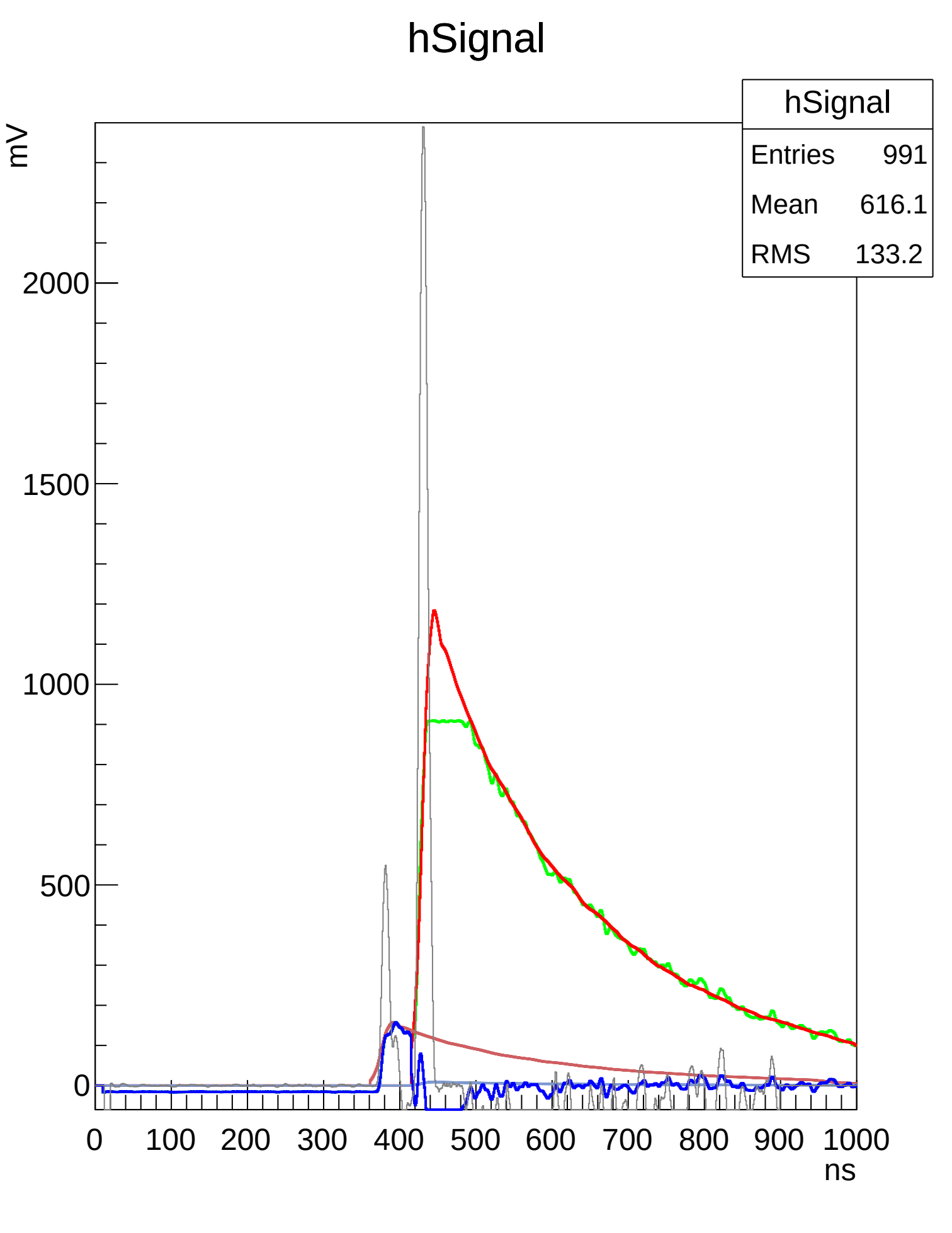

hSignal
hSignal
Entries 991
Mean 603.5
RMS 150
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

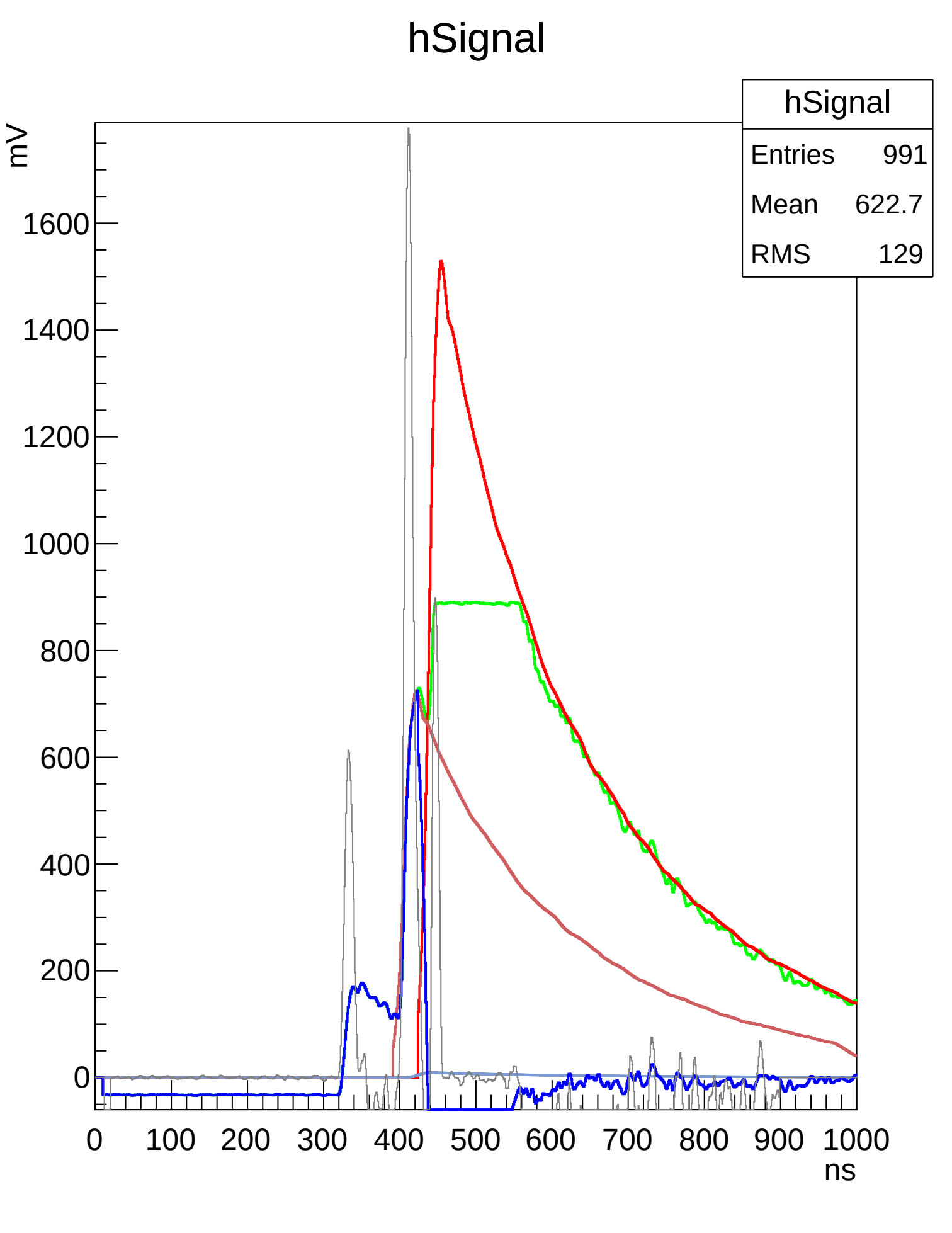

hSignal
hSignal
Entries 991
Mean 683.1
RMS 32.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

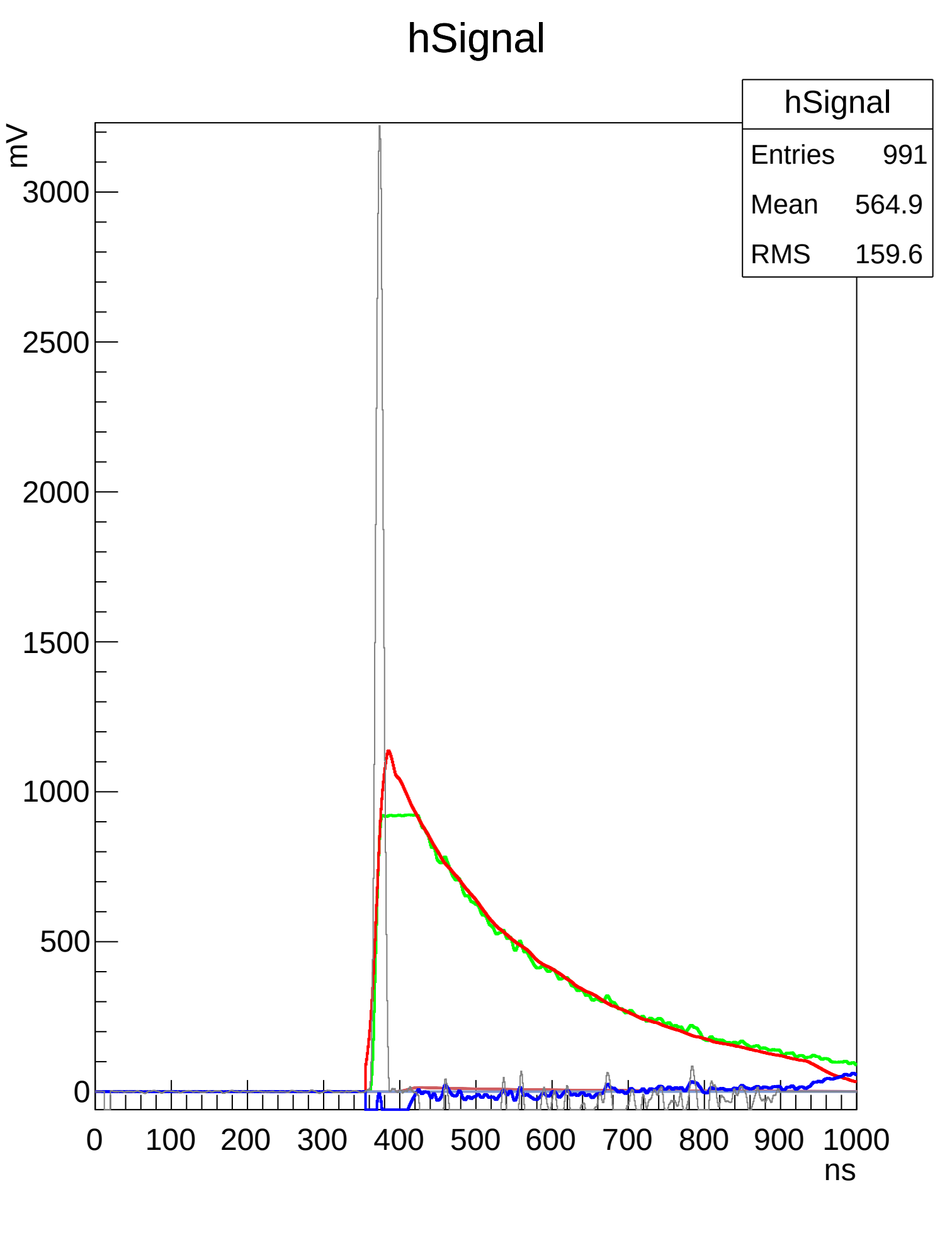

hSignal
hSignal
Entries 991
Mean 627.2
RMS 145.9
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

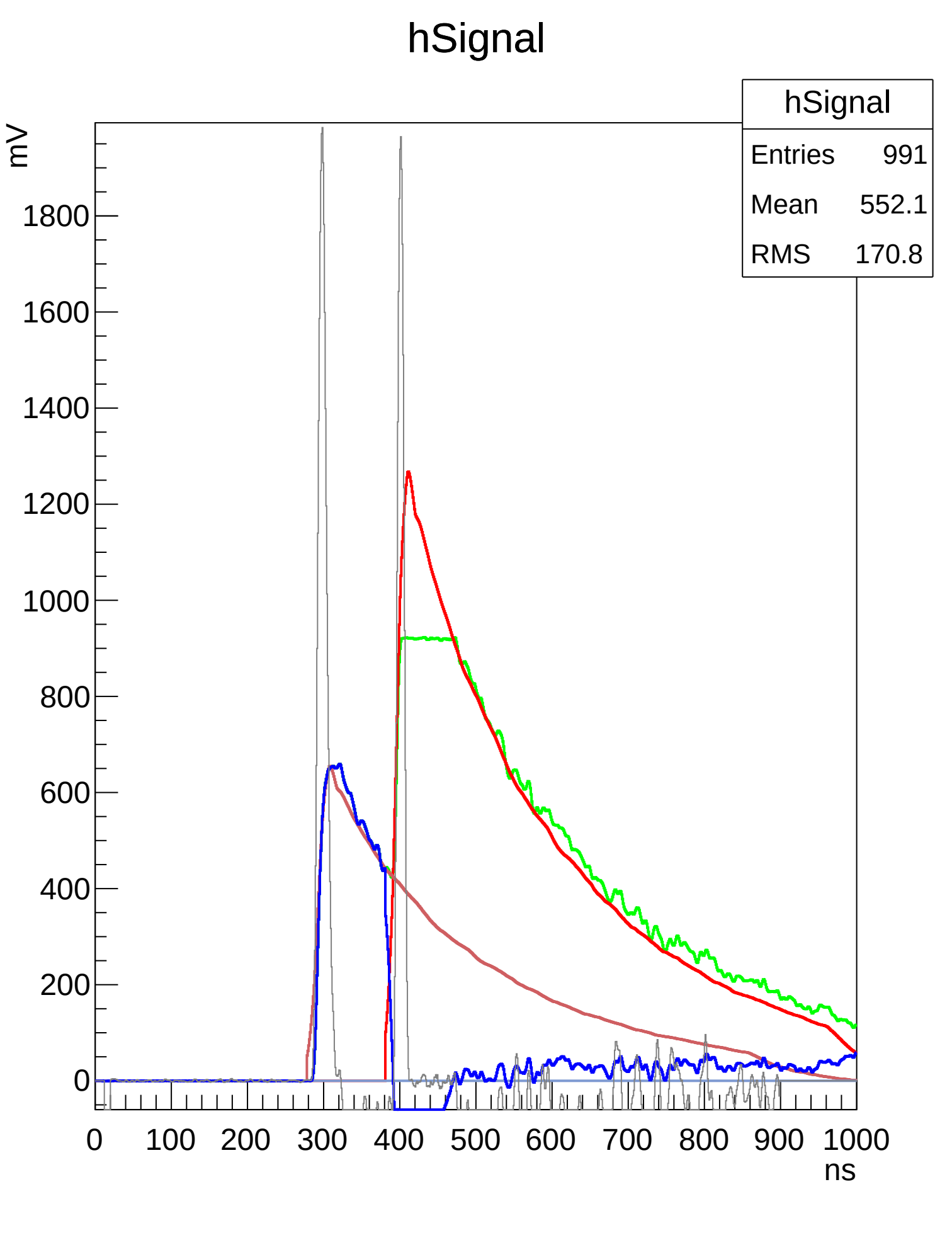

hSignal
hSignal
Entries 991
Mean 566.4
RMS 162.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

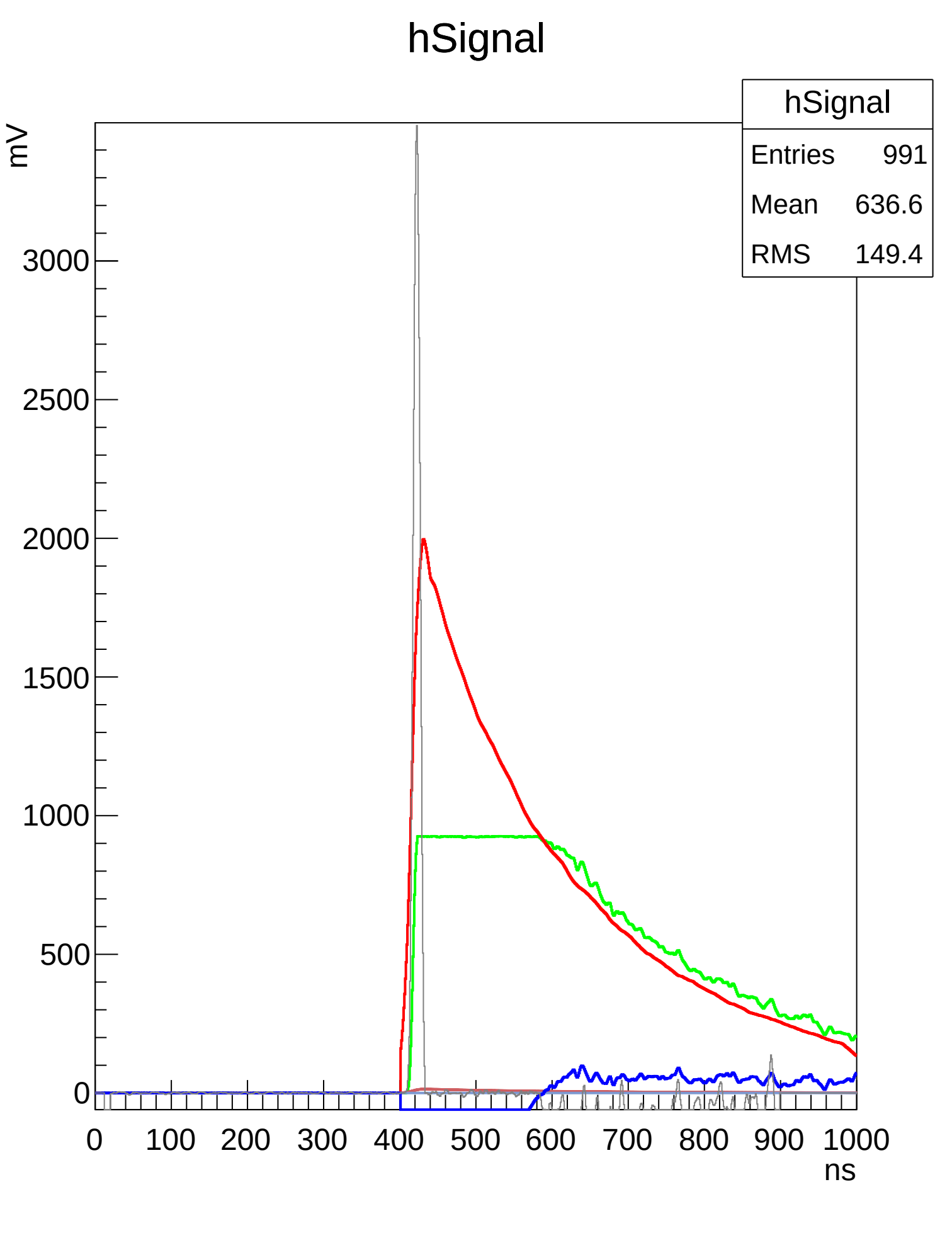

hSignal
hSignal
Entries 991
Mean 613.2
RMS 158.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

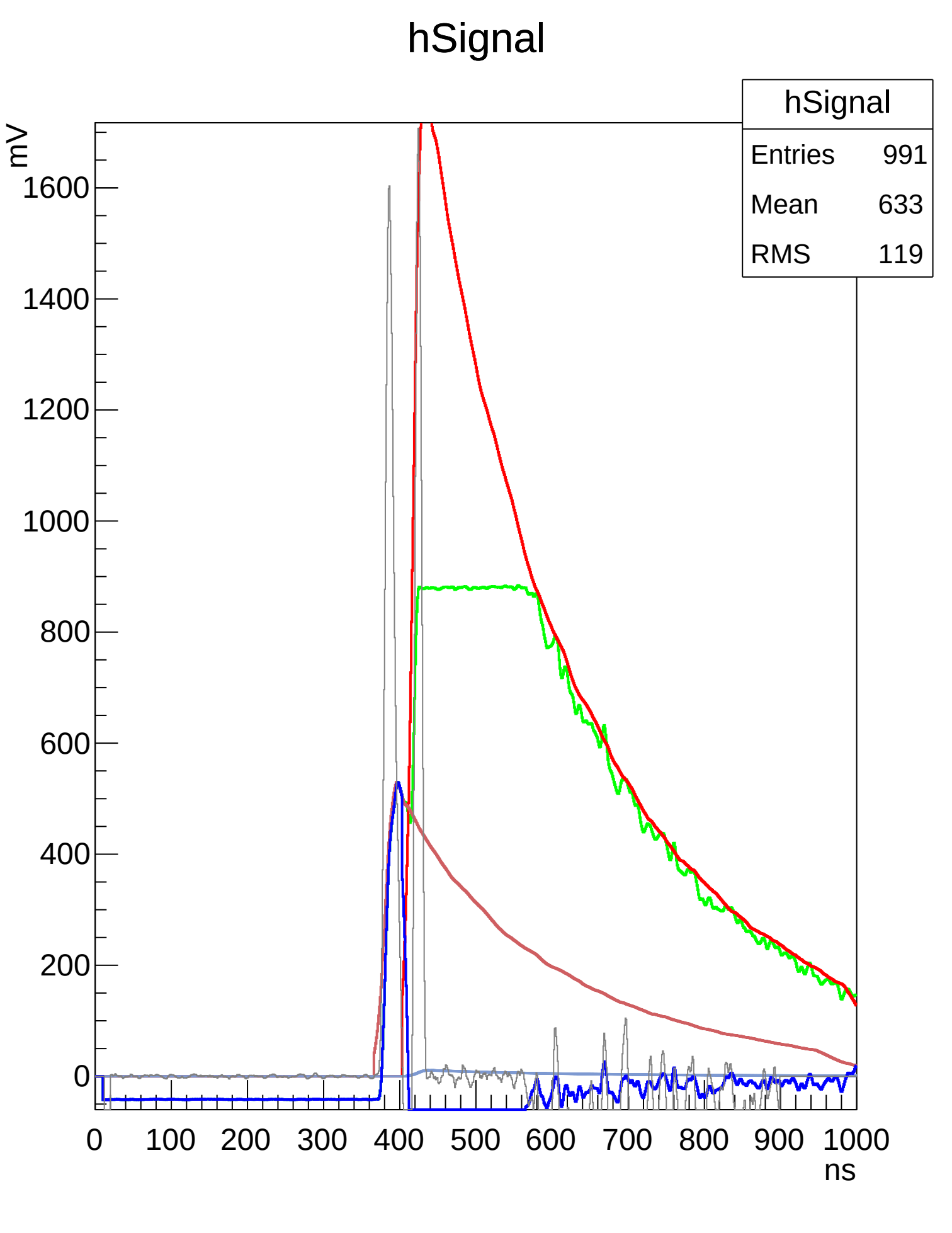

hSignal
hSignal
Entries 991
Mean 616.1
RMS 133.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

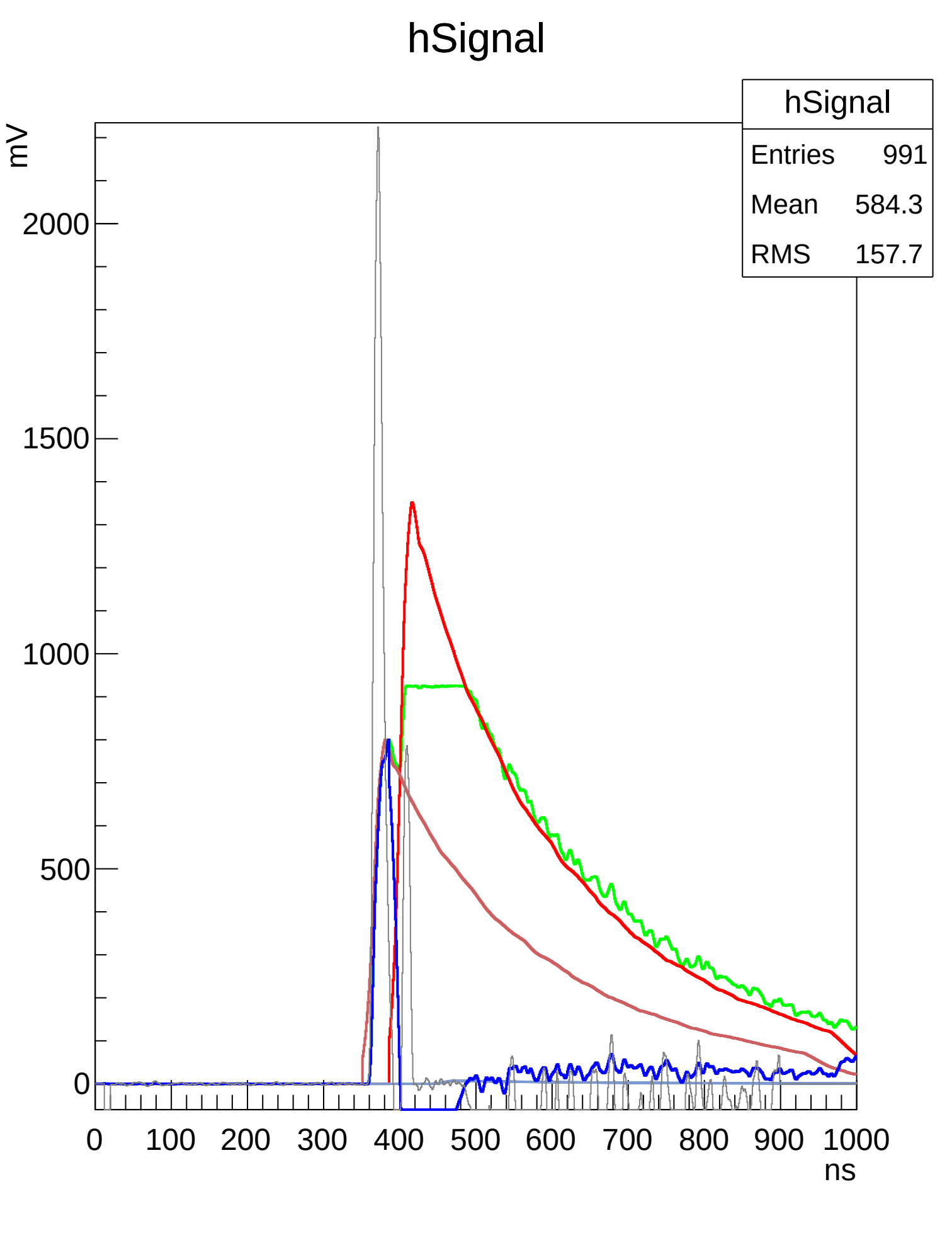

hSignal
hSignal
Entries 991
Mean 622.7
RMS 129
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

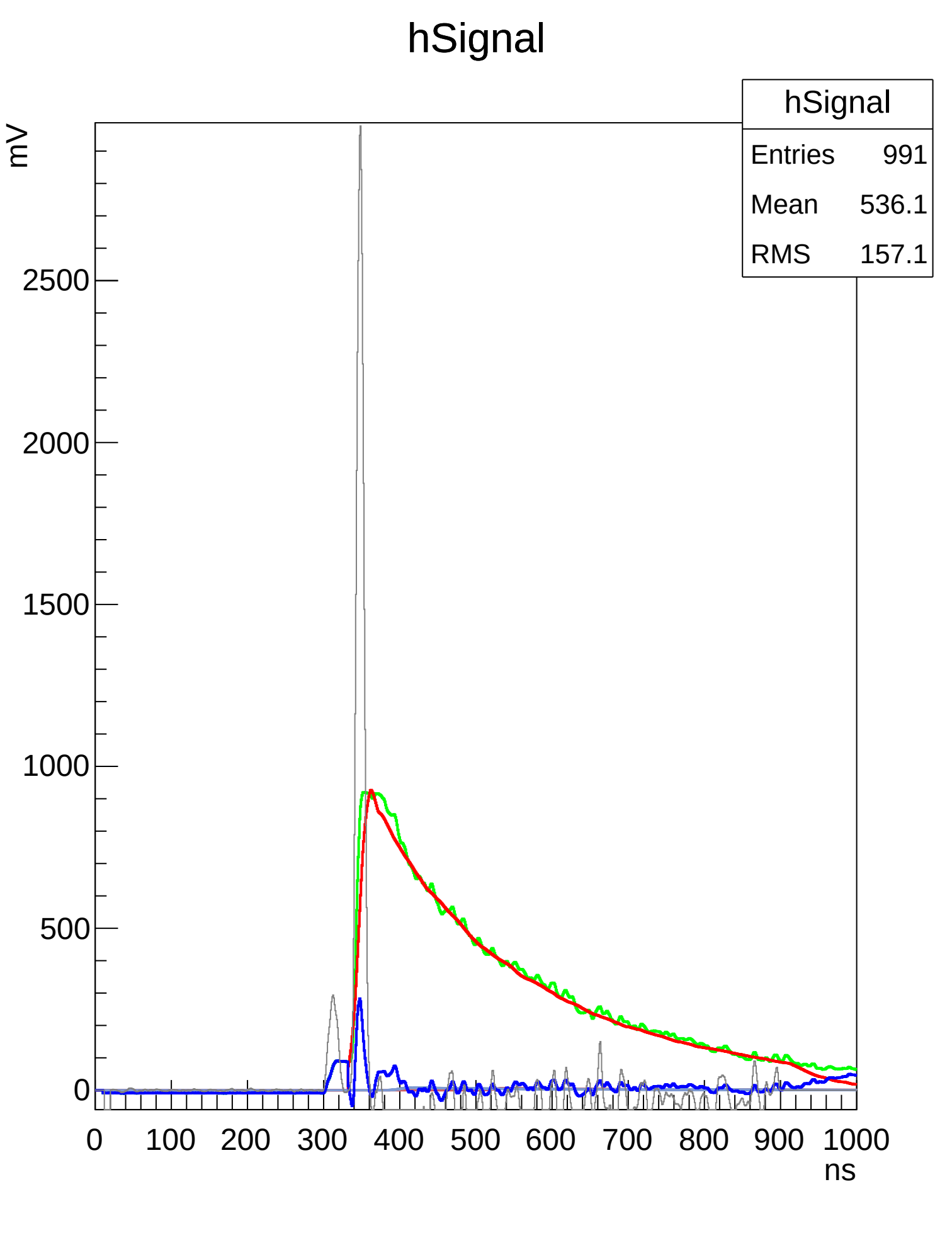

hSignal
hSignal
Entries 991
Mean 564.9
RMS 159.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

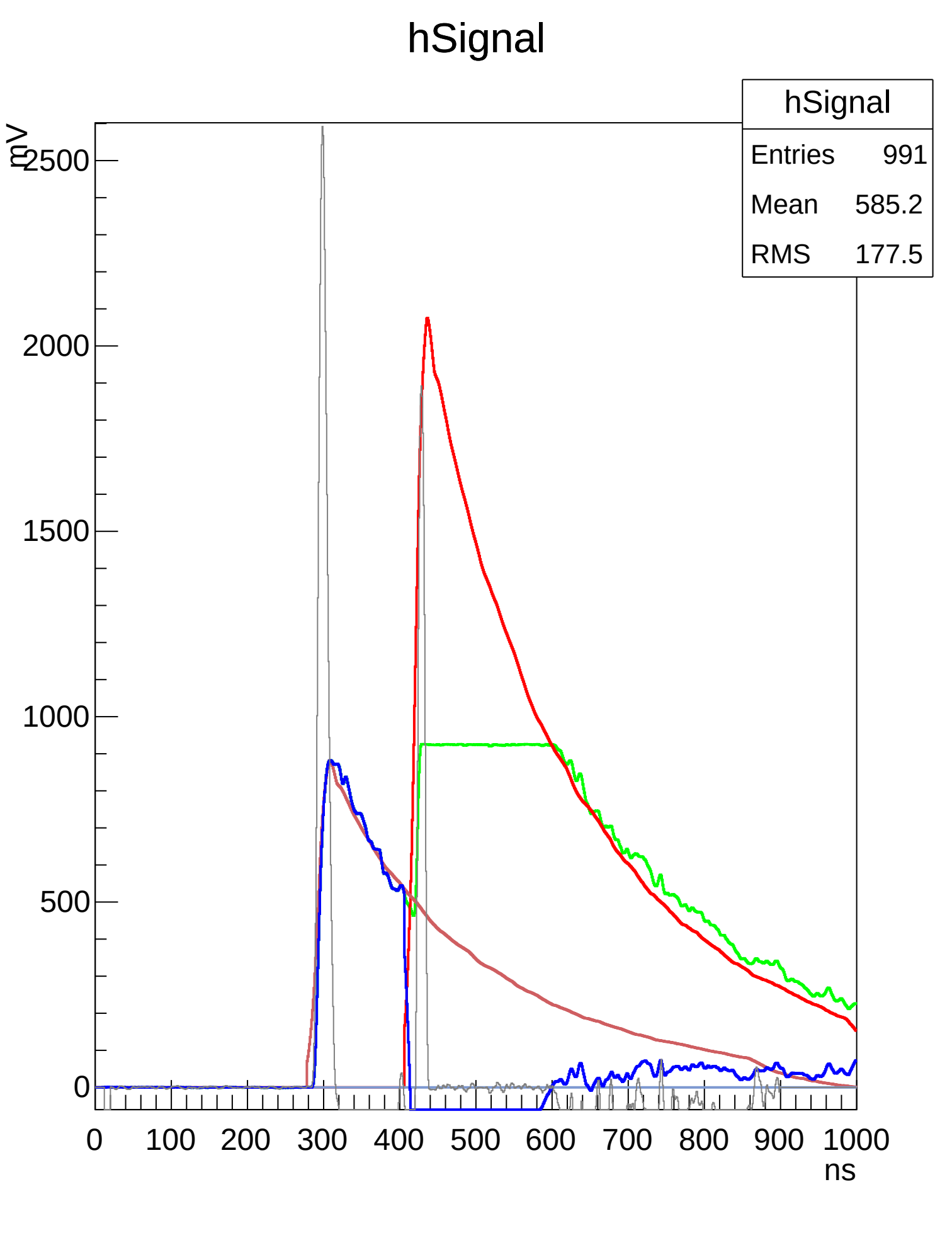

hSignal
hSignal
Entries 991
Mean 552.1
RMS 170.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

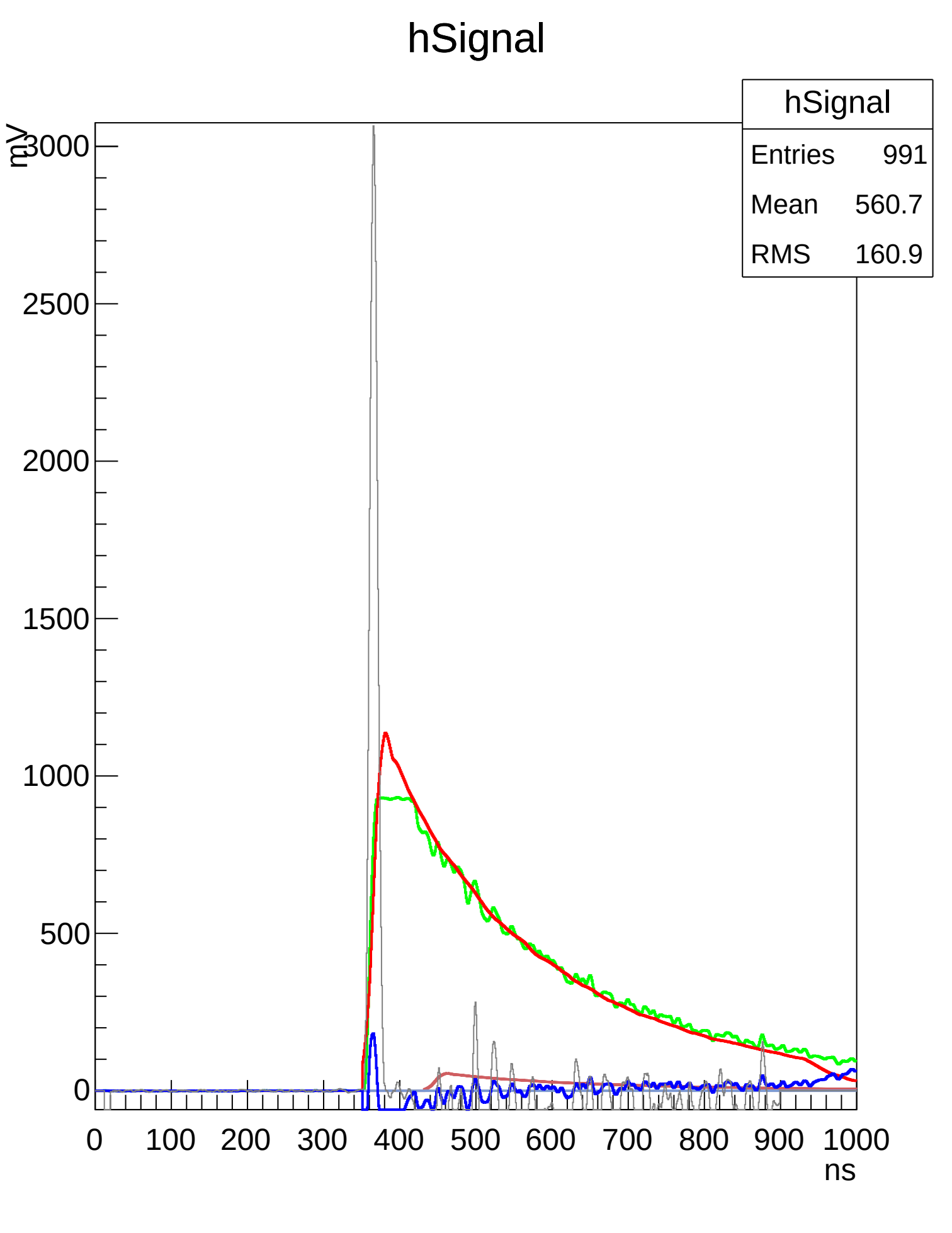

hSignal
hSignal
Entries 991
Mean 636.6
RMS 149.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

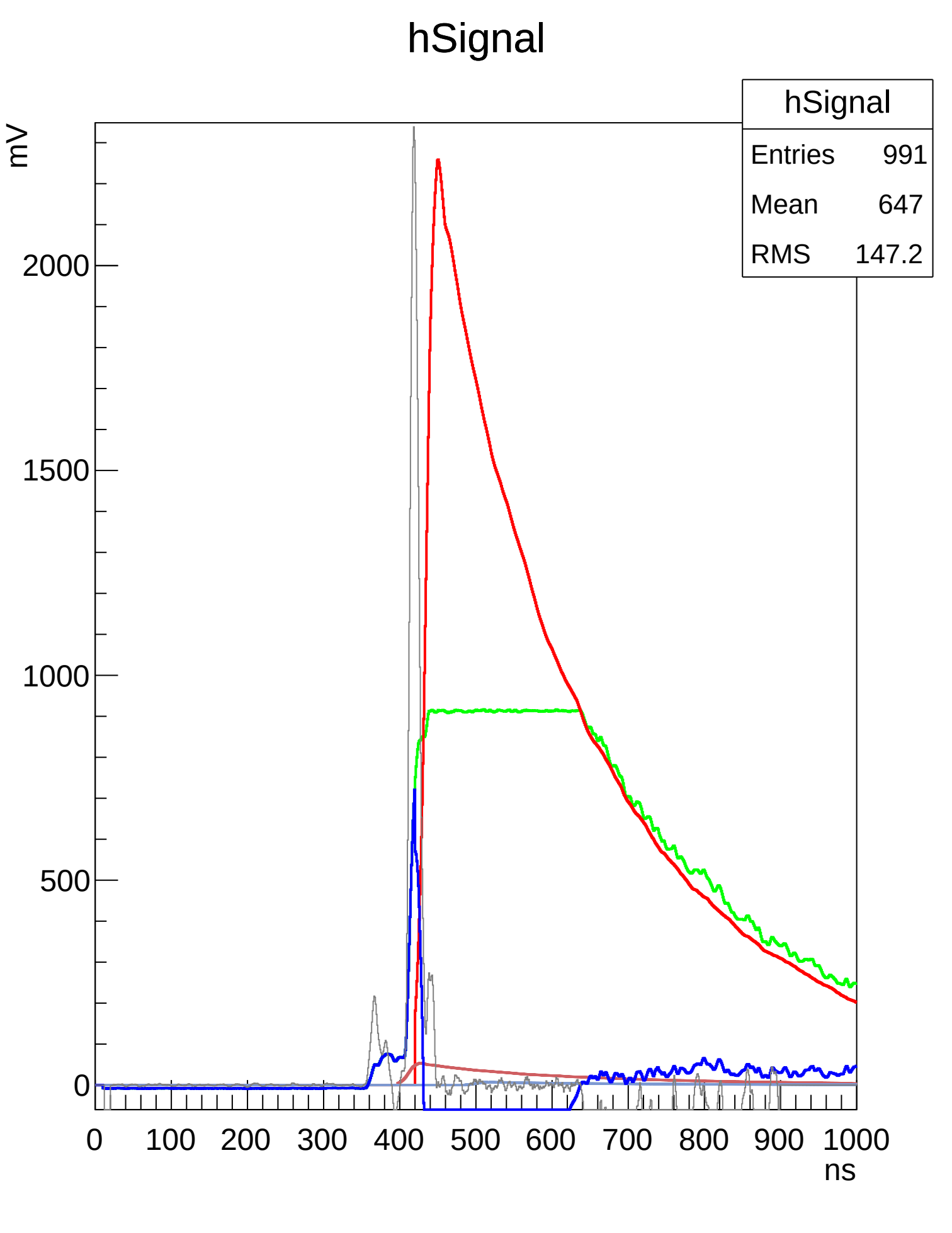

hSignal
hSignal
Entries 991
Mean 633
RMS 119
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

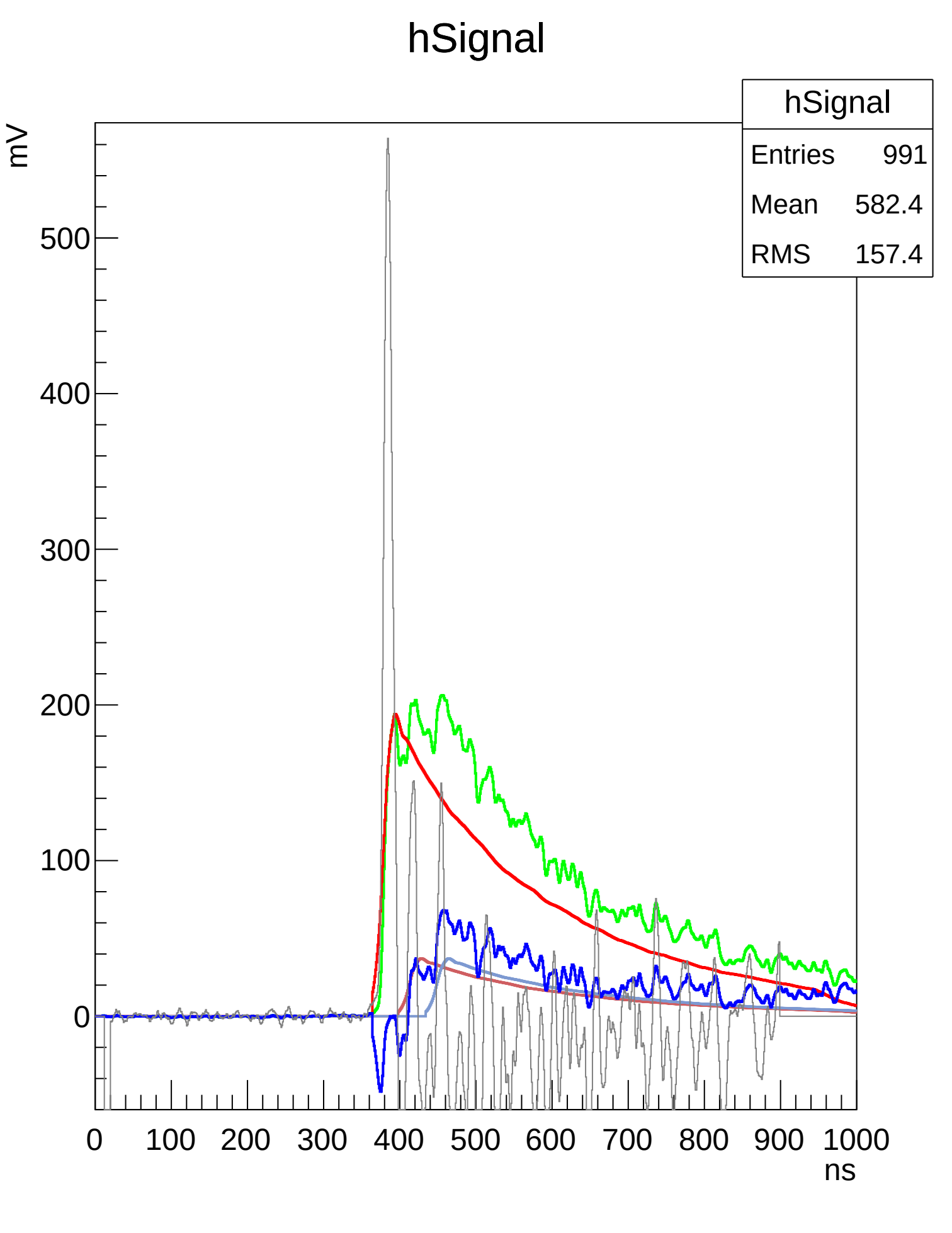

hSignal
hSignal
Entries 991
Mean 584.3
RMS 157.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

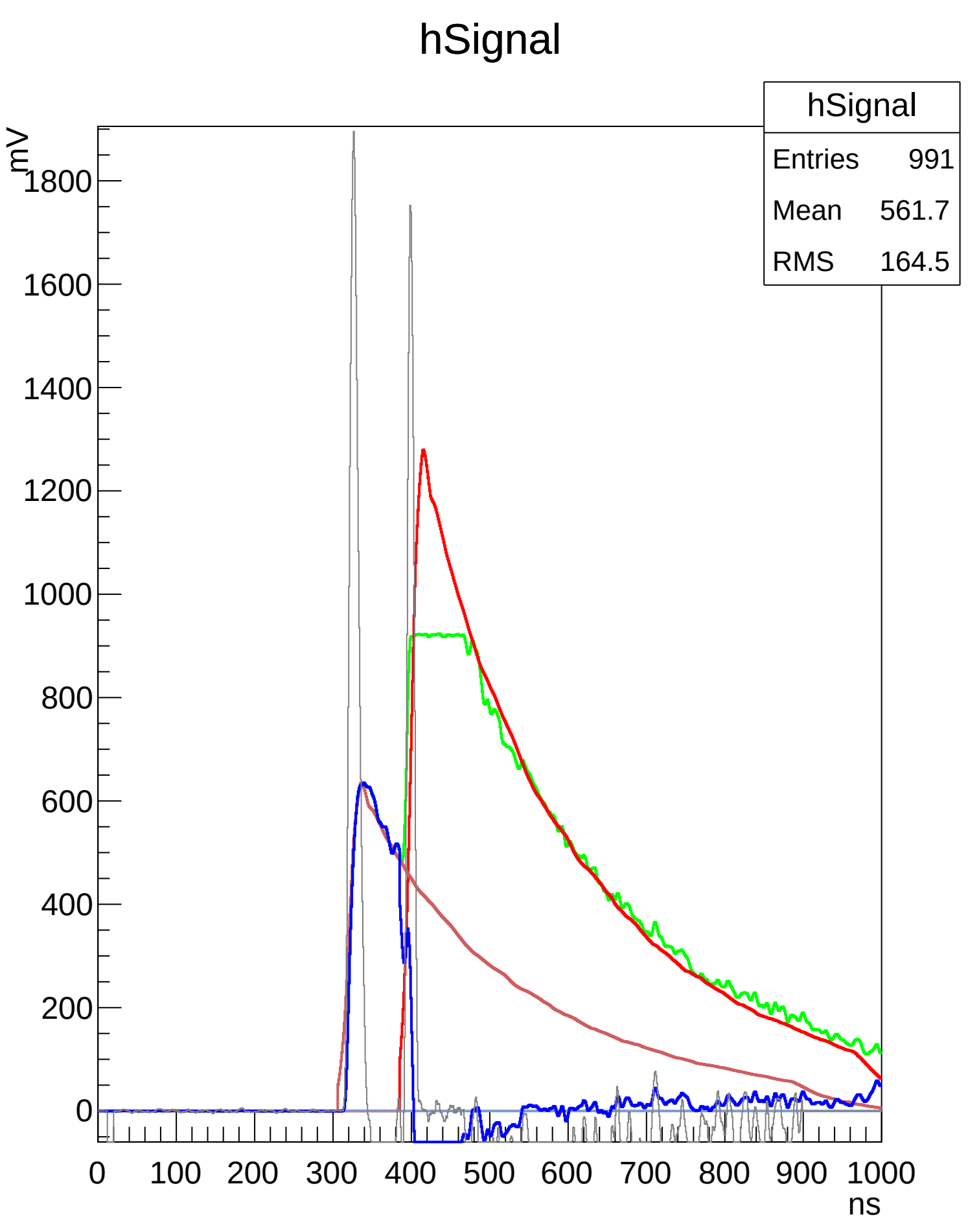

hSignal
hSignal
Entries 991
Mean 536.1
RMS 157.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

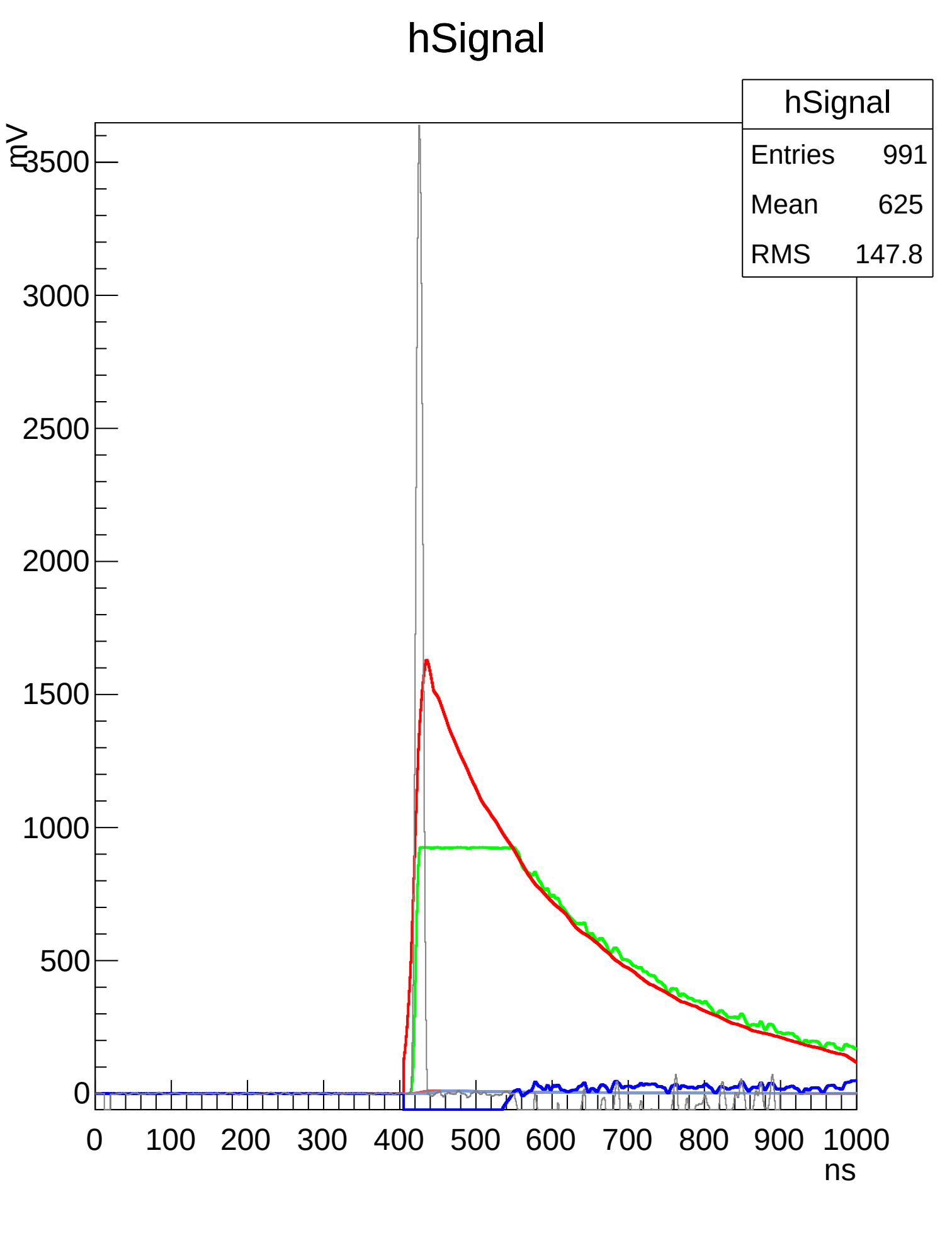

hSignal
hSignal
Entries 991
Mean 585.2
RMS 177.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

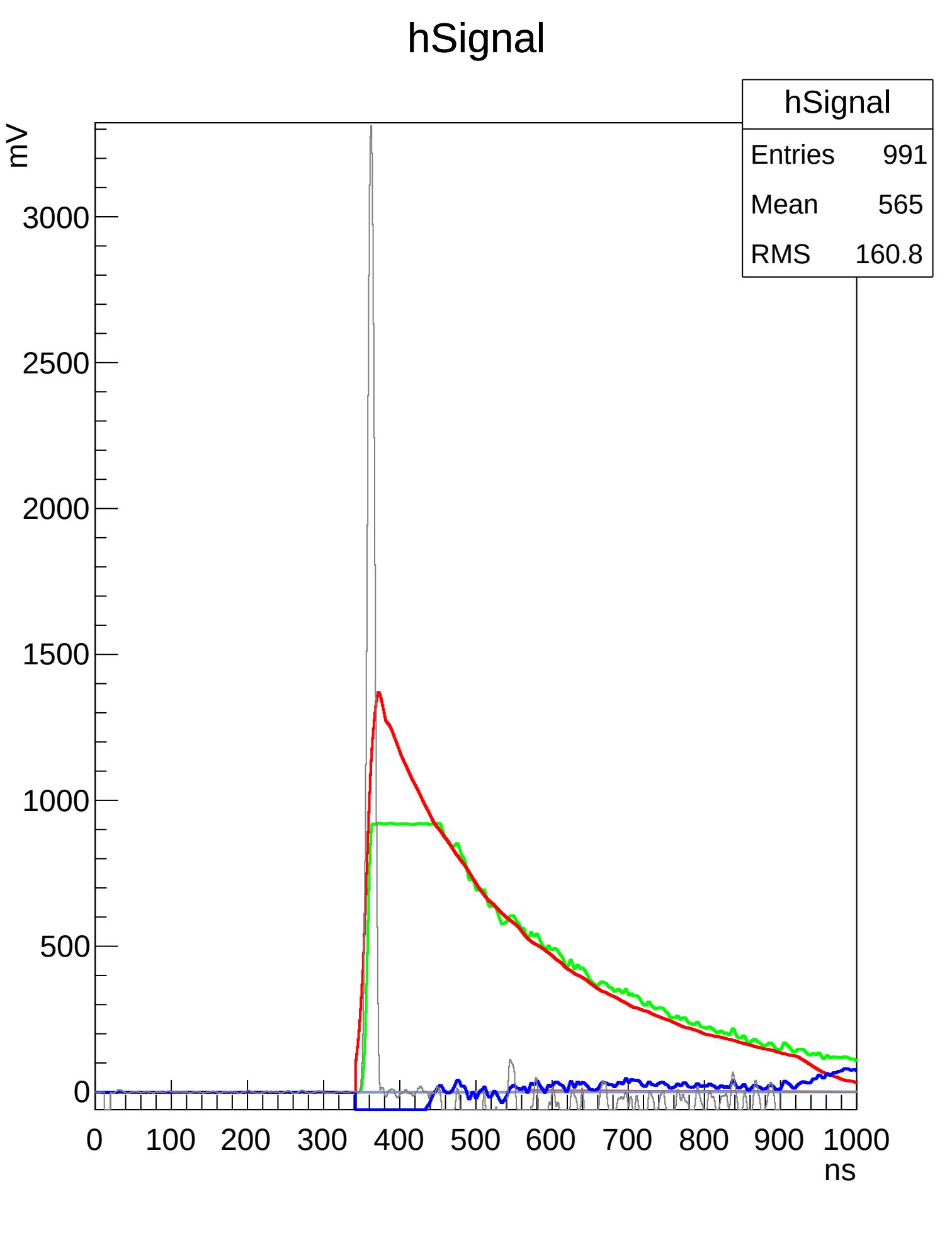

hSignal
hSignal
Entries 991
Mean 560.7
RMS 160.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

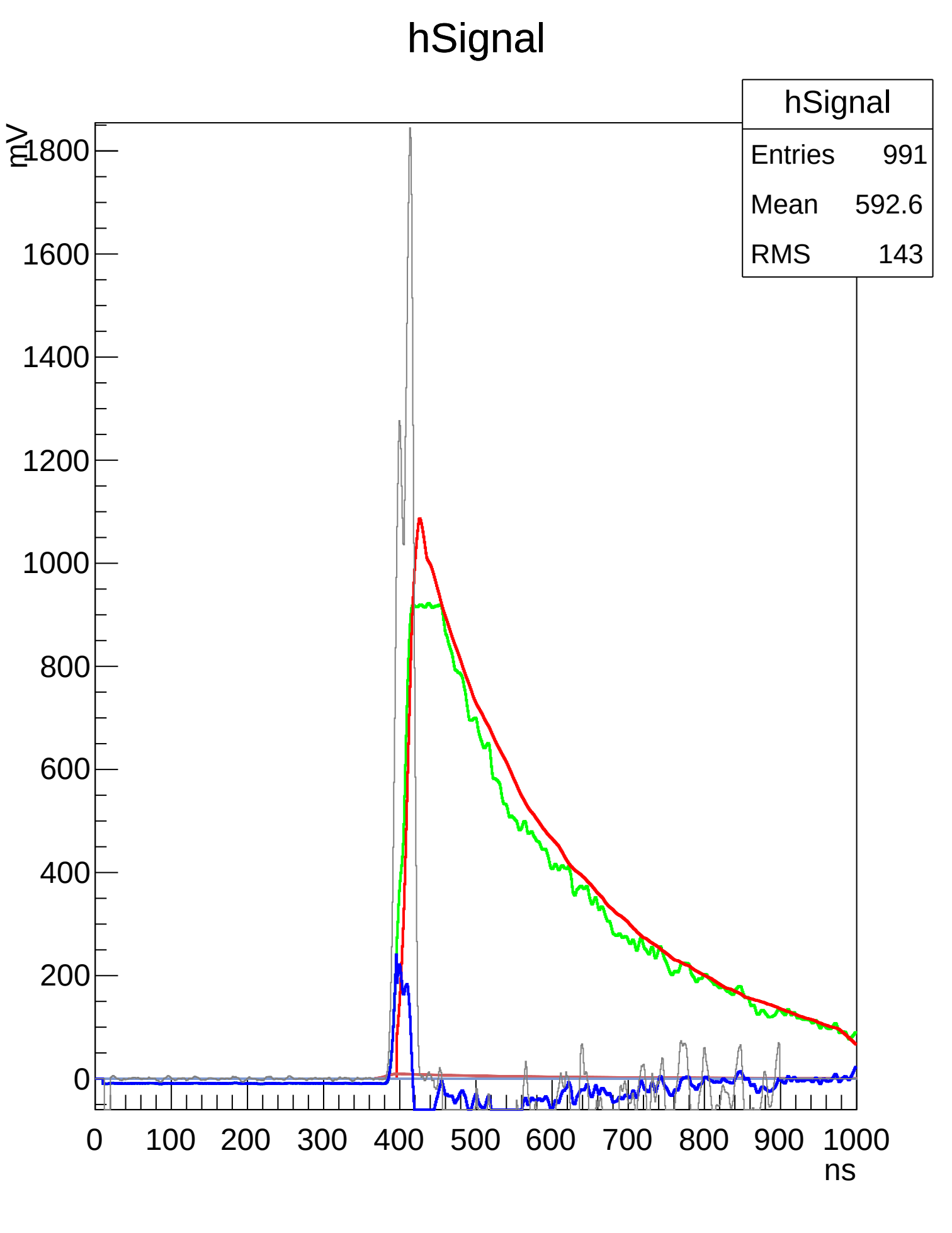

hSignal
hSignal
Entries 991
Mean 647
RMS 147.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

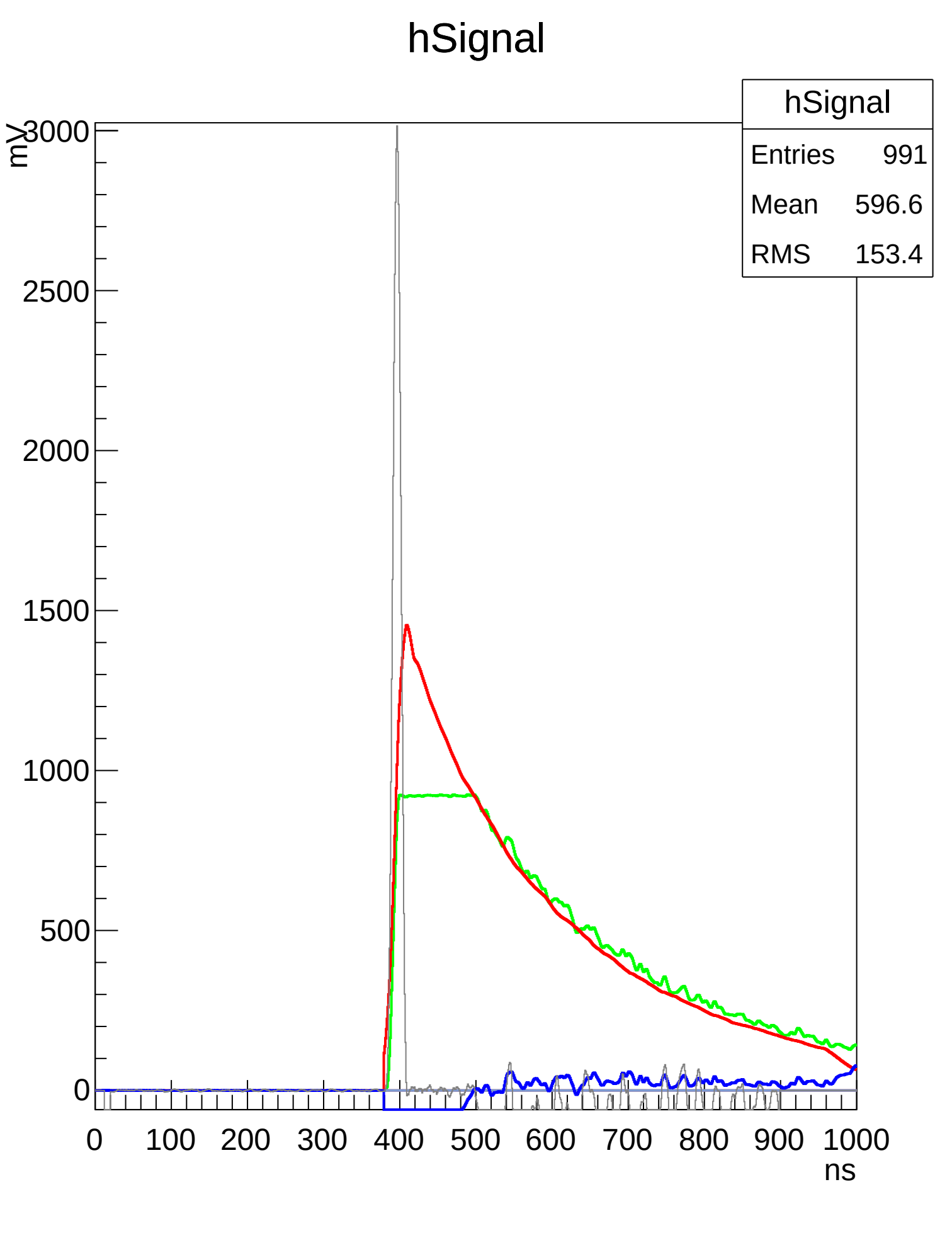

hSignal
hSignal
Entries 991
Mean 582.4
RMS 157.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

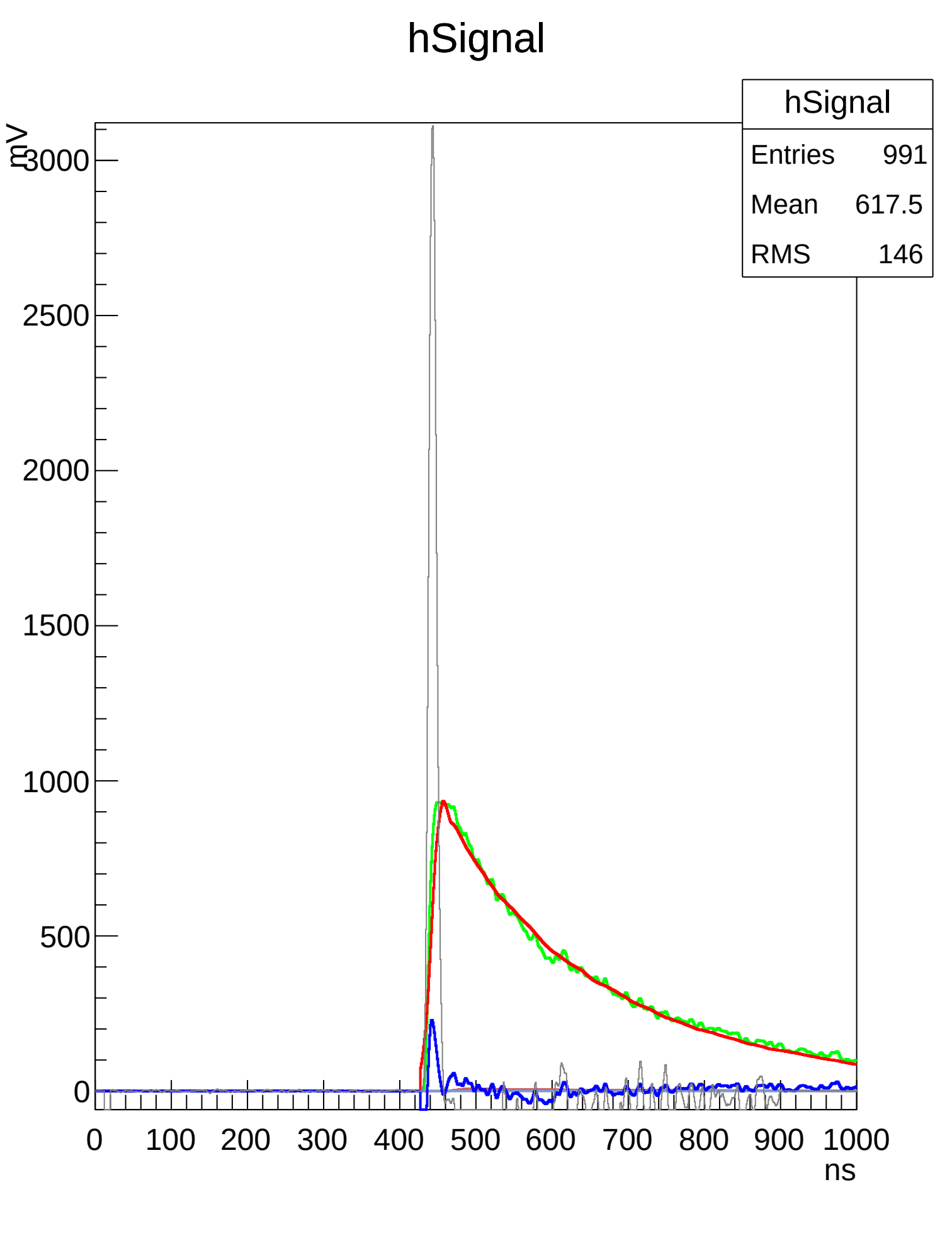

hSignal
hSignal
Entries 991
Mean 561.7
RMS 164.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

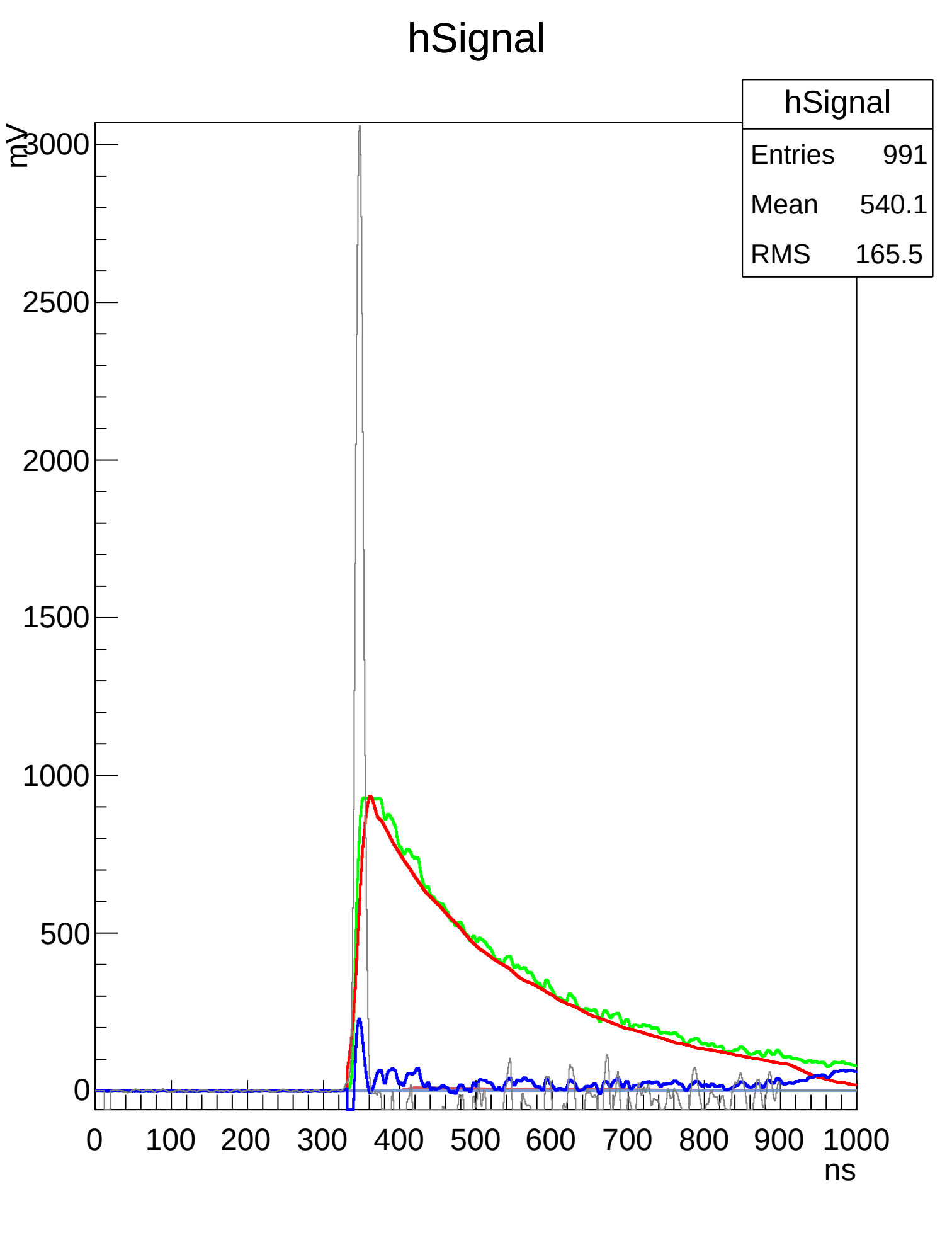

hSignal
hSignal
Entries 991
Mean 625
RMS 147.8
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

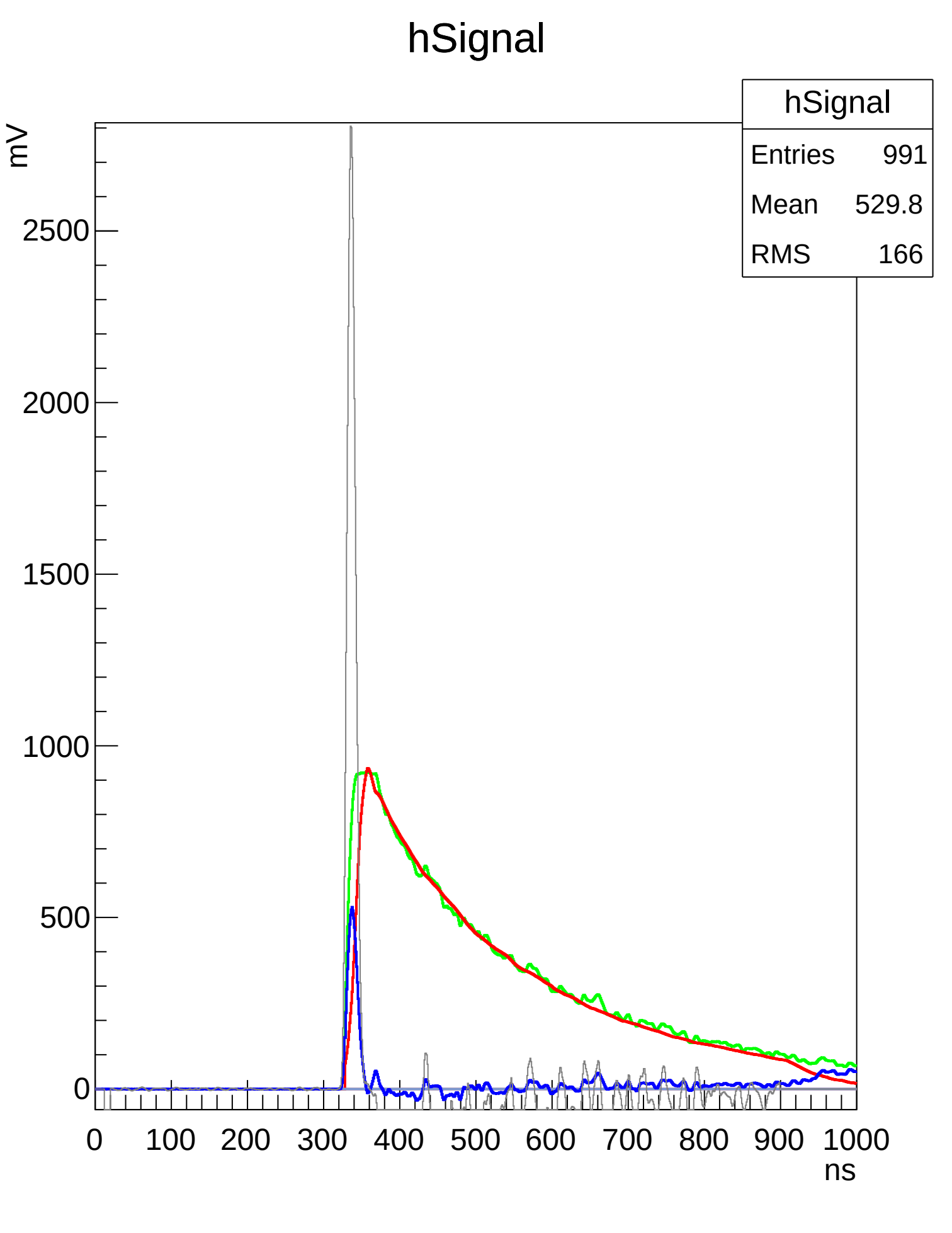

hSignal
hSignal
Entries 991
Mean 565
RMS 160.8
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

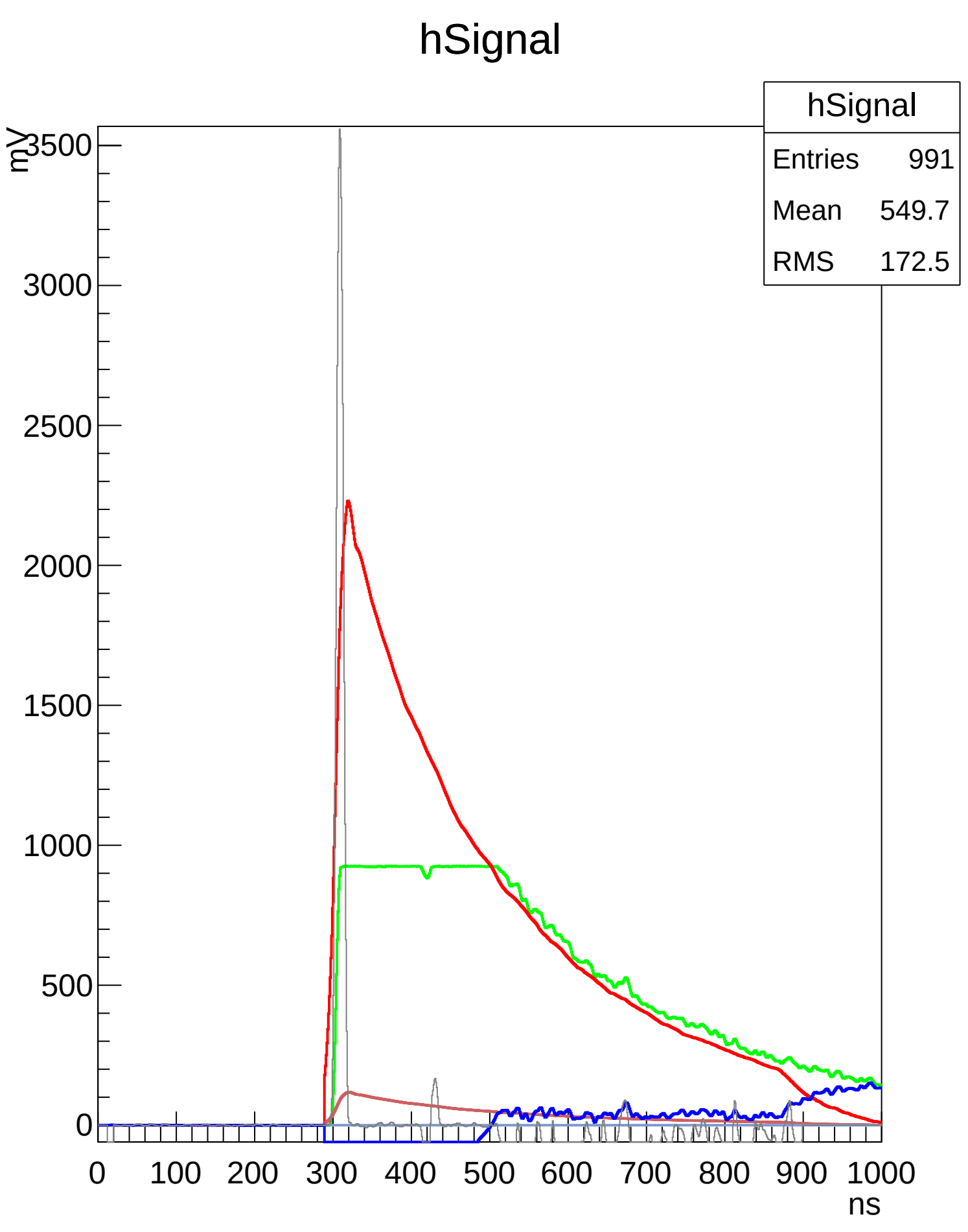

hSignal
hSignal
Entries 991
Mean 592.6
RMS 143
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

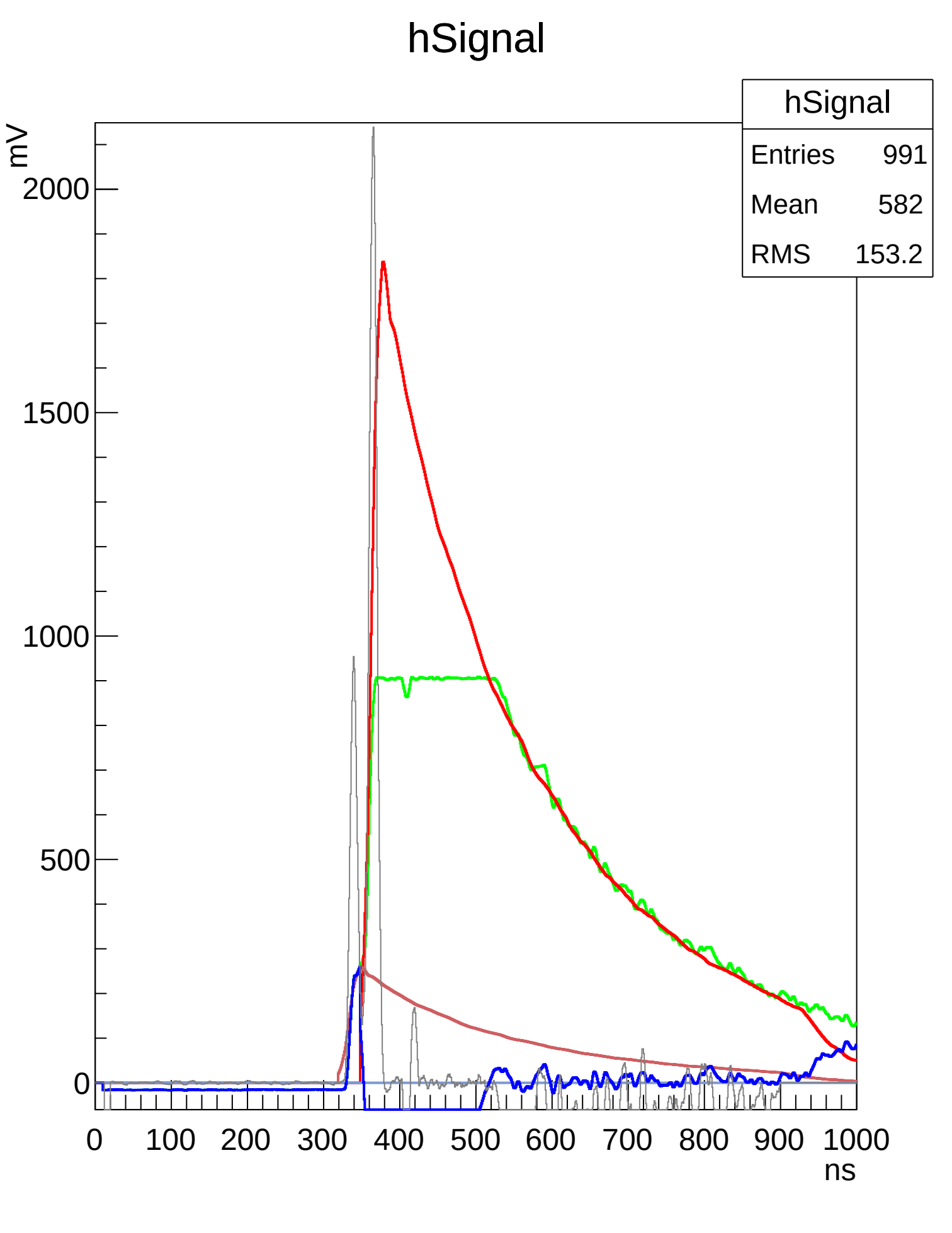

hSignal
hSignal
Entries 991
Mean 596.6
RMS 153.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

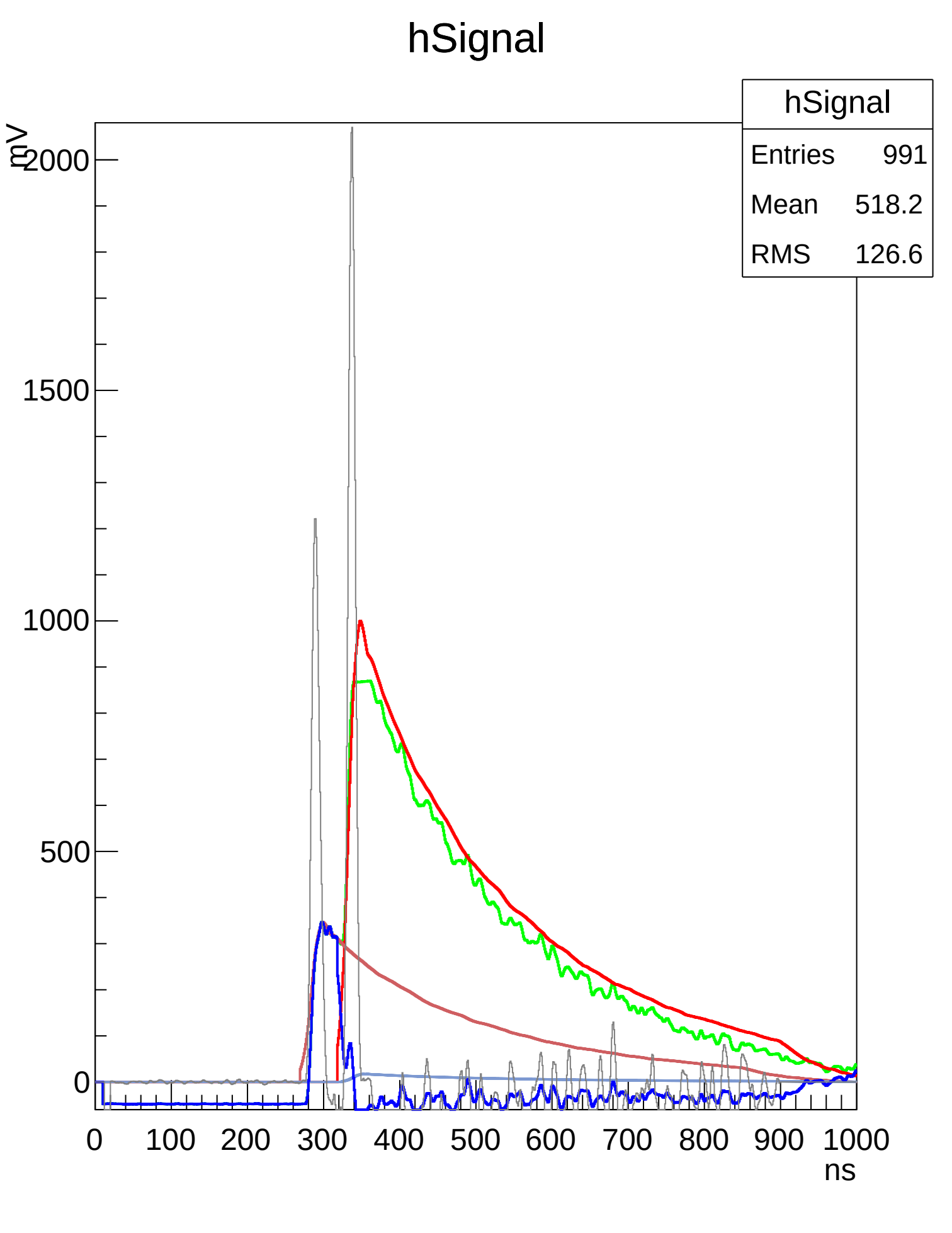

hSignal
hSignal
Entries 991
Mean 617.5
RMS 146
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

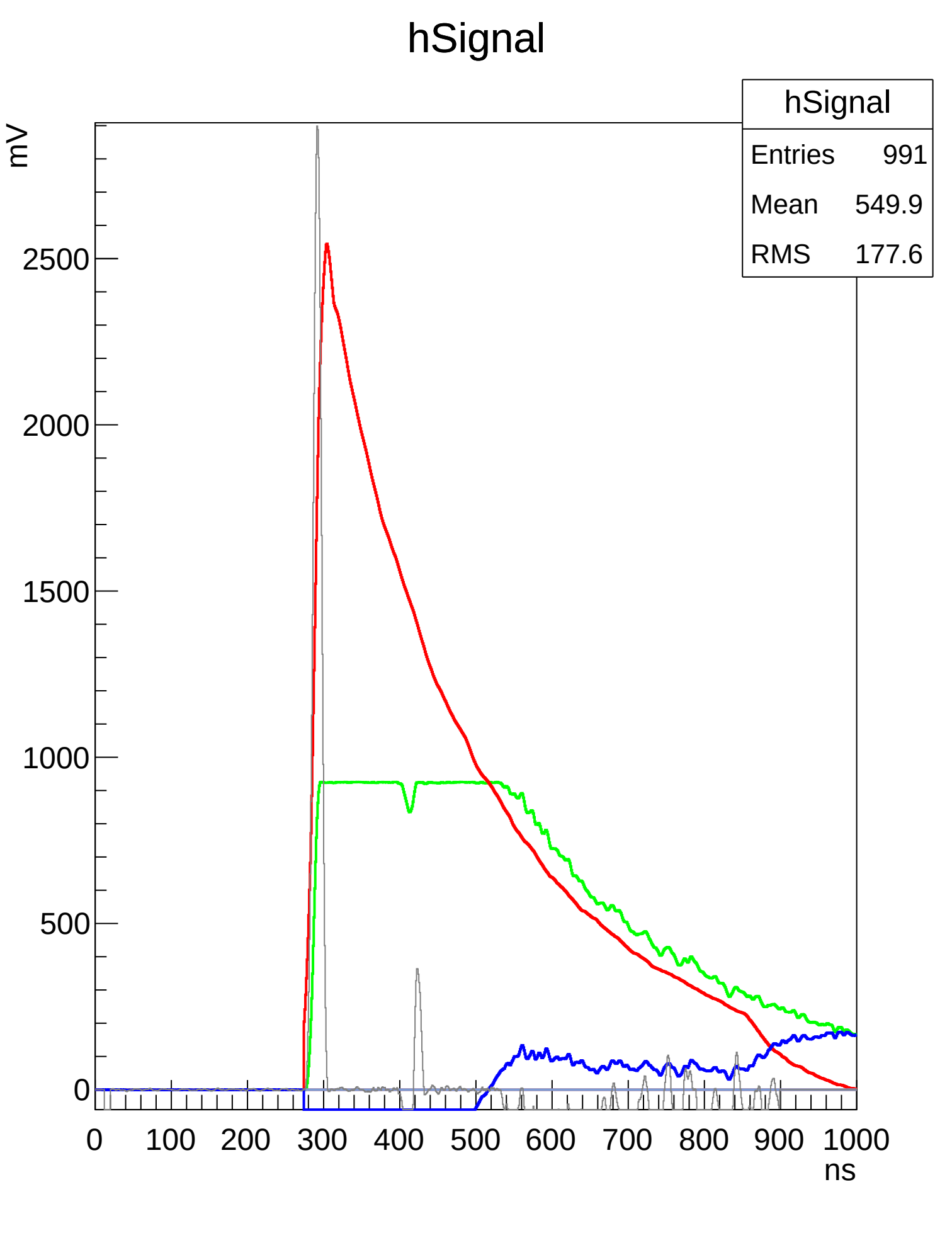

hSignal
hSignal
Entries 991
Mean 540.1
RMS 165.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

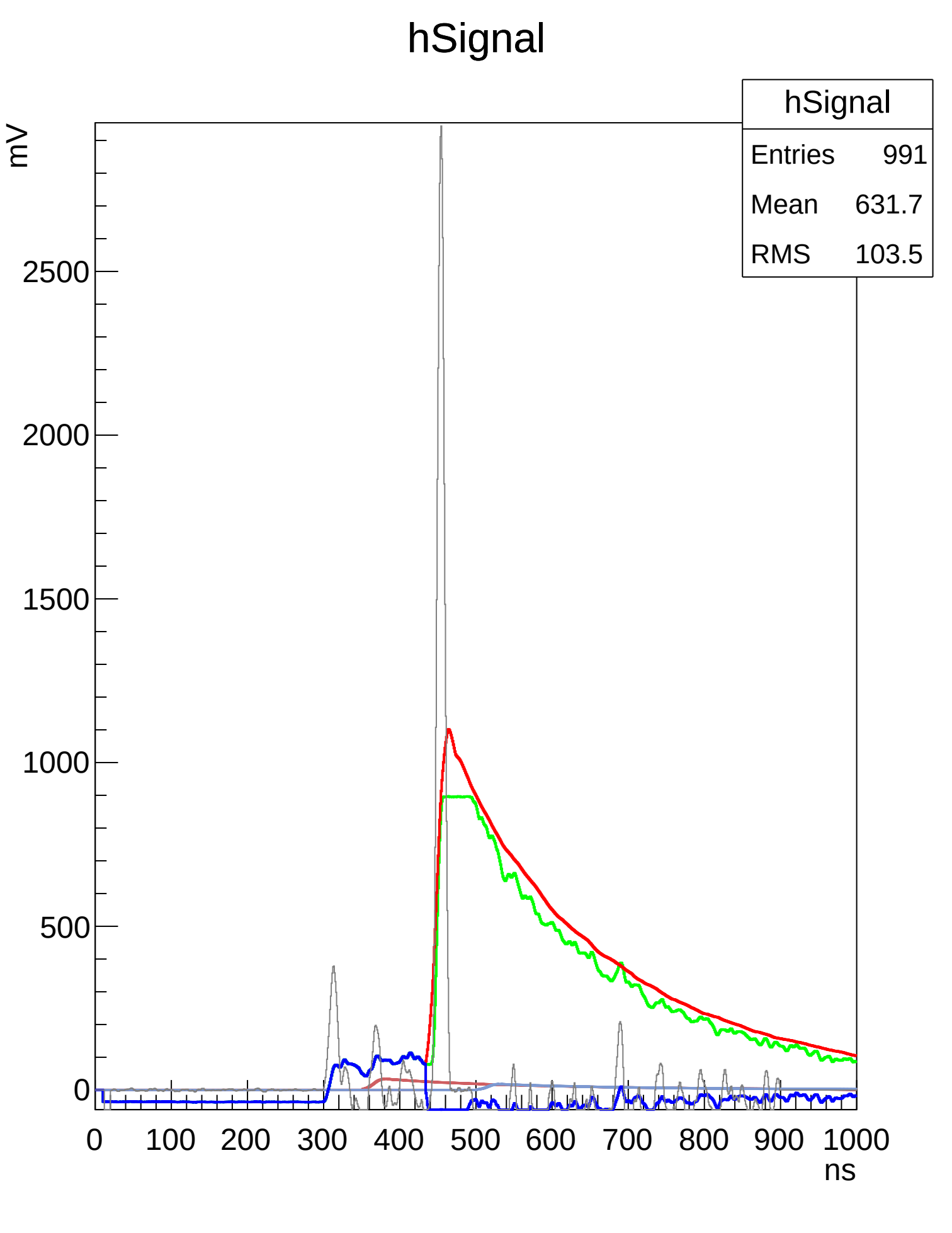

hSignal
hSignal
Entries 991
Mean 529.8
RMS 166
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

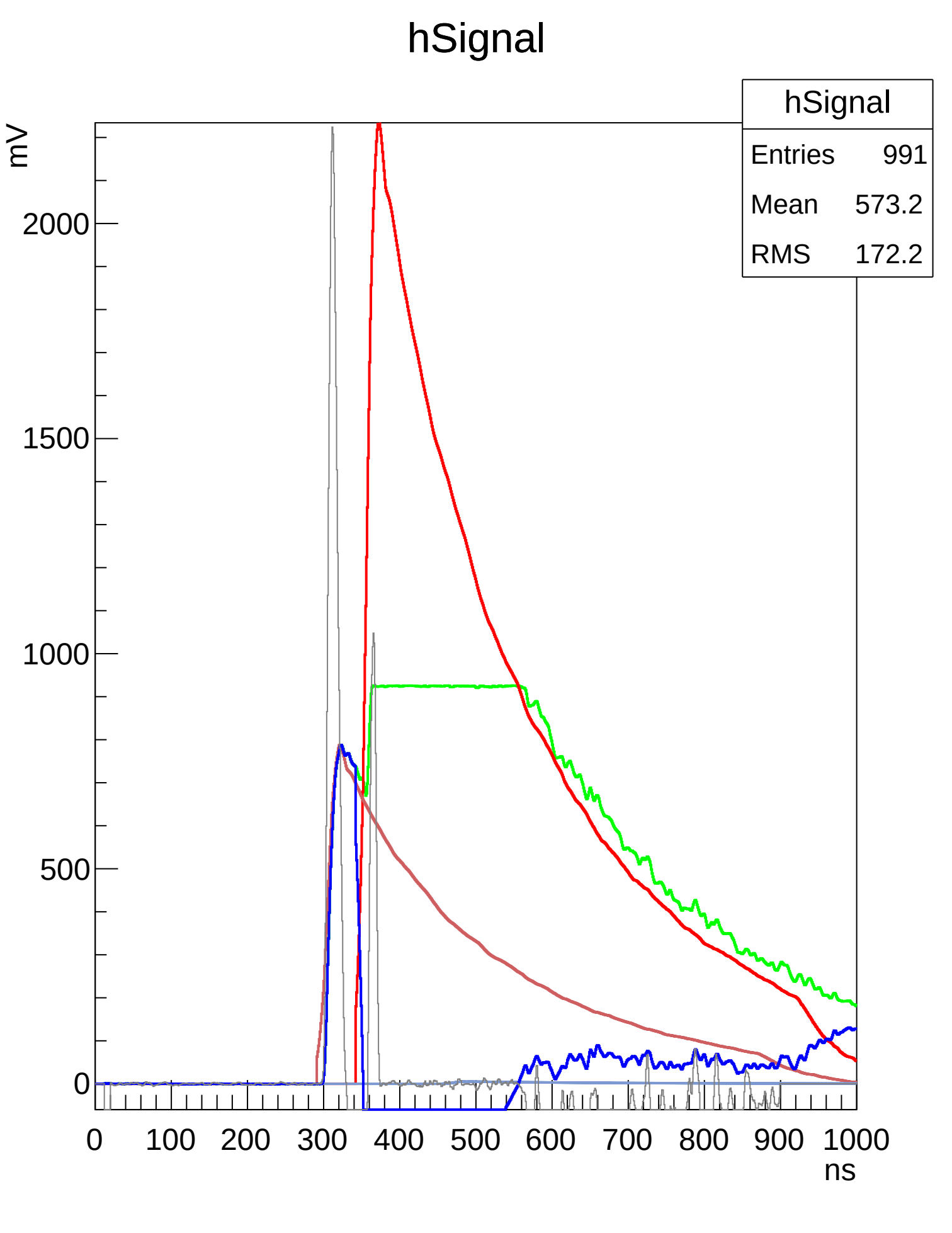

hSignal
hSignal
Entries 991
Mean 549.7
RMS 172.5
mV
3500
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

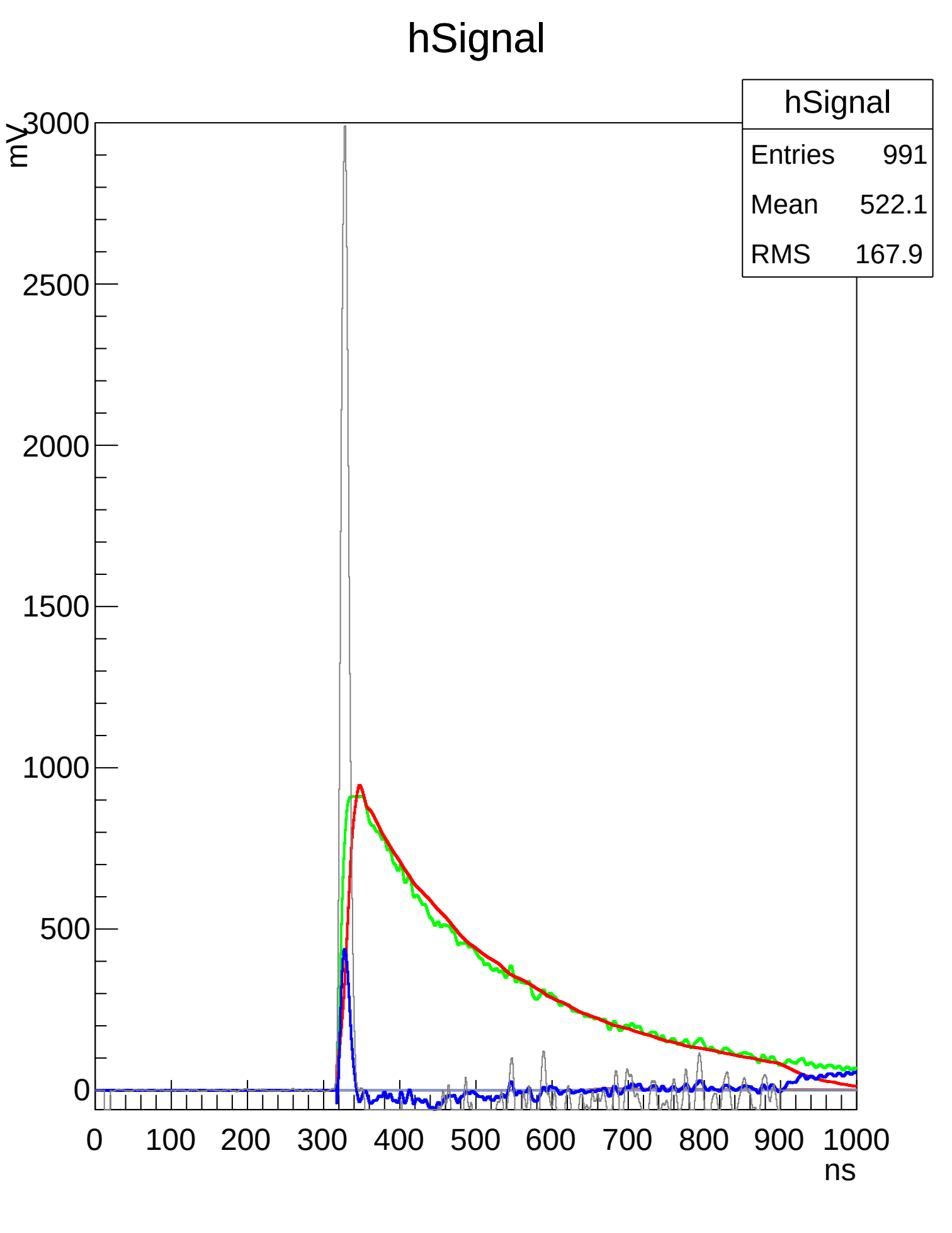

hSignal
hSignal
Entries 991
Mean 582
RMS 153.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

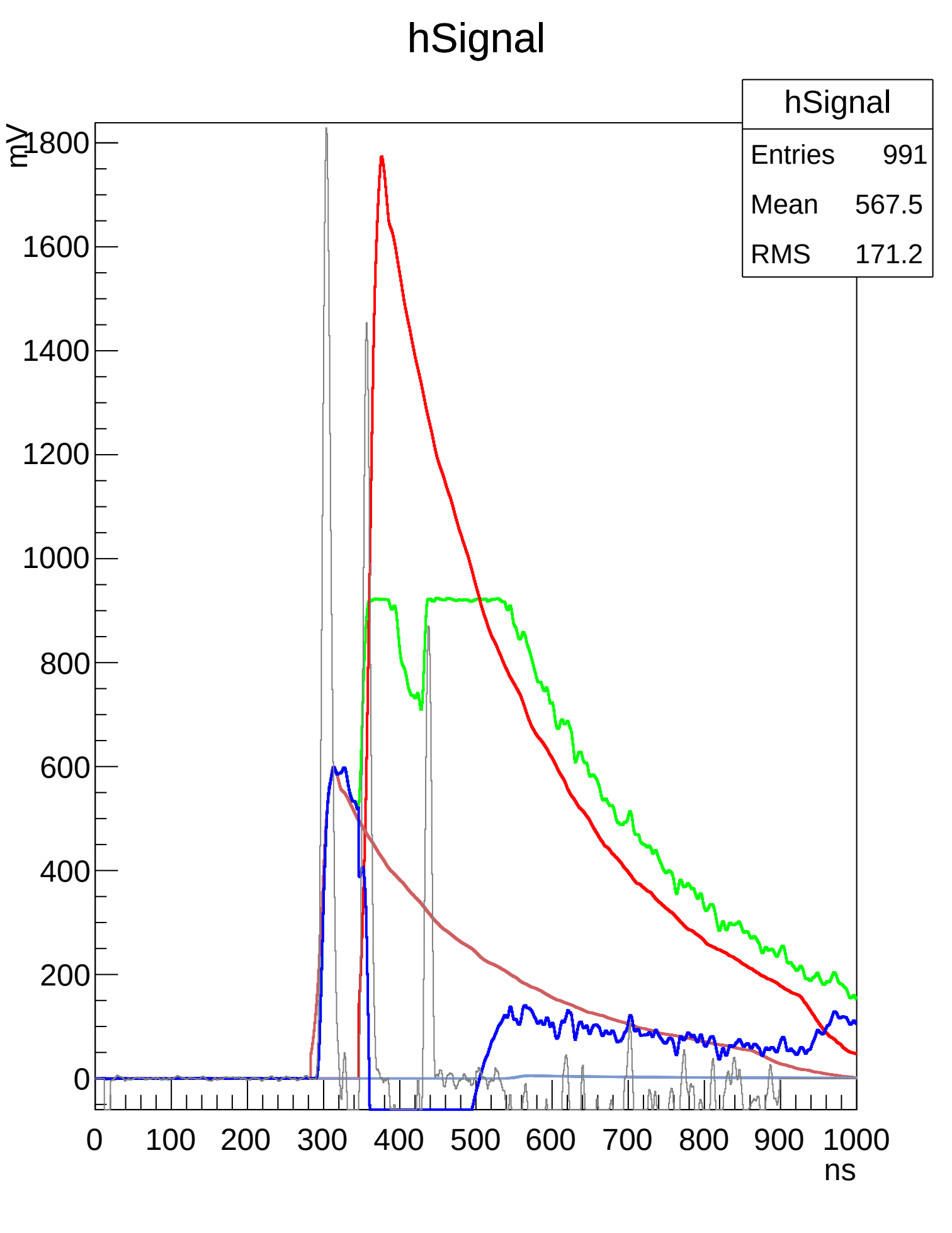

hSignal
hSignal
Entries 991
Mean 518.2
RMS 126.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

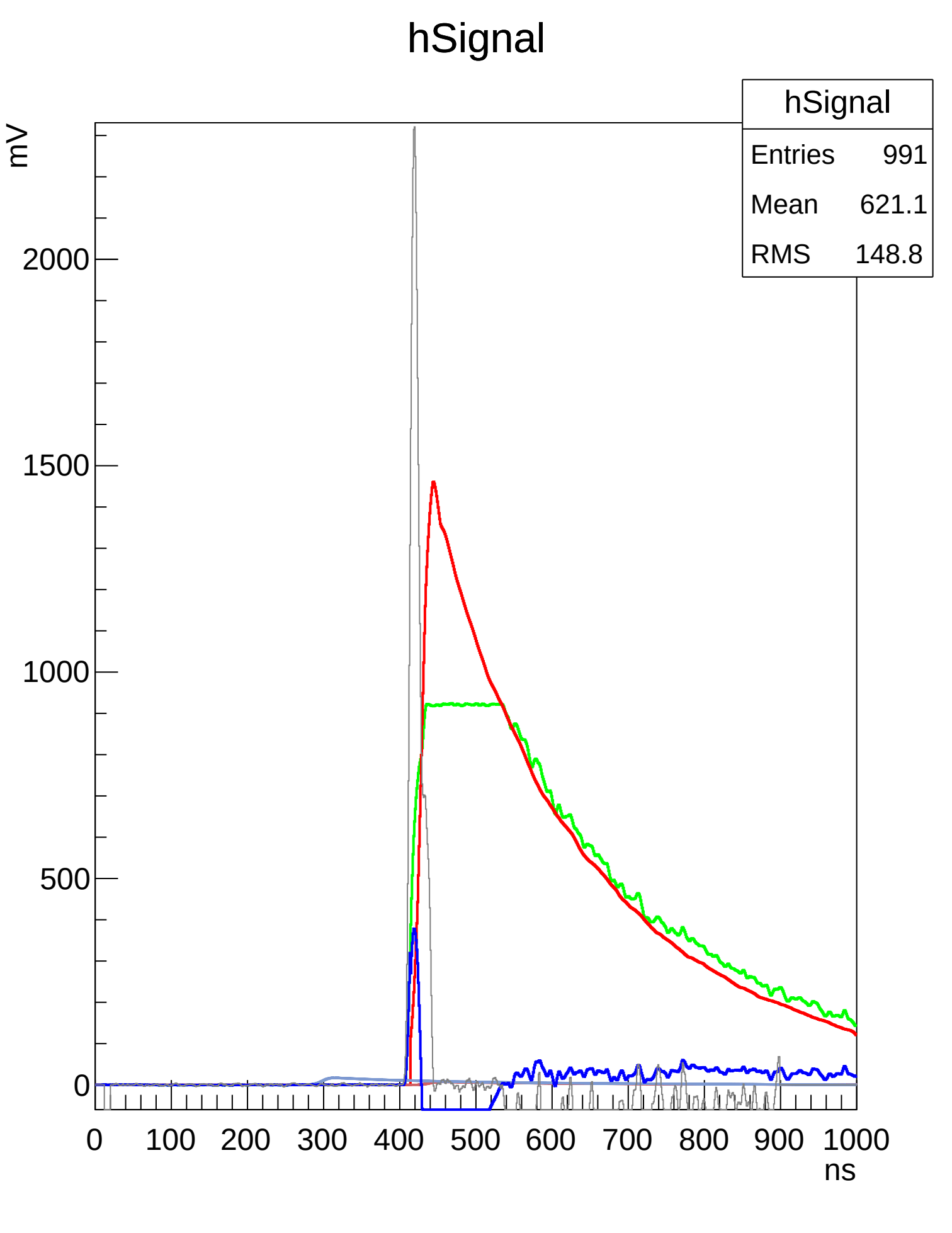

hSignal
hSignal
Entries 991
Mean 549.9
RMS 177.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

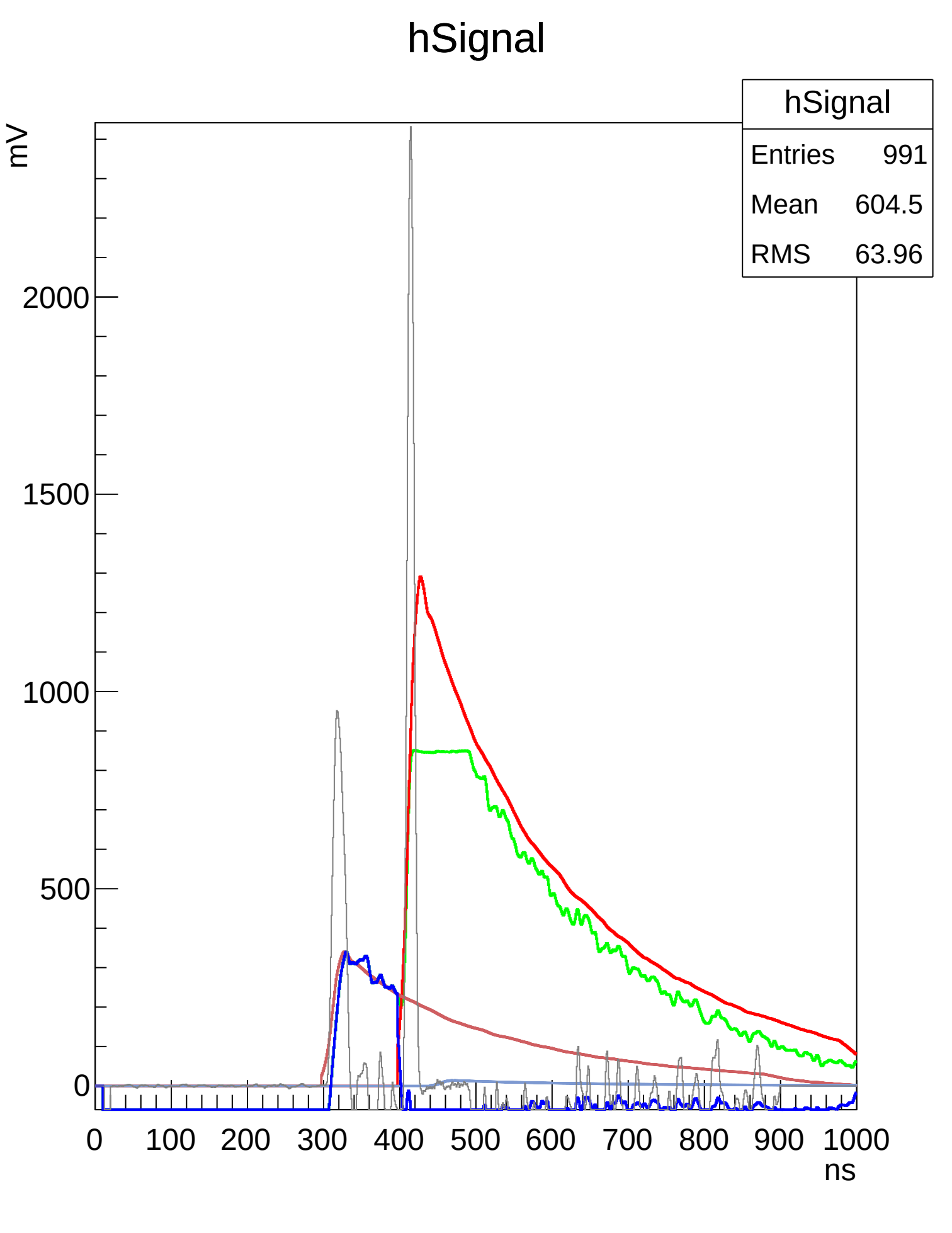

hSignal
hSignal
Entries 991
Mean 631.7
RMS 103.5
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

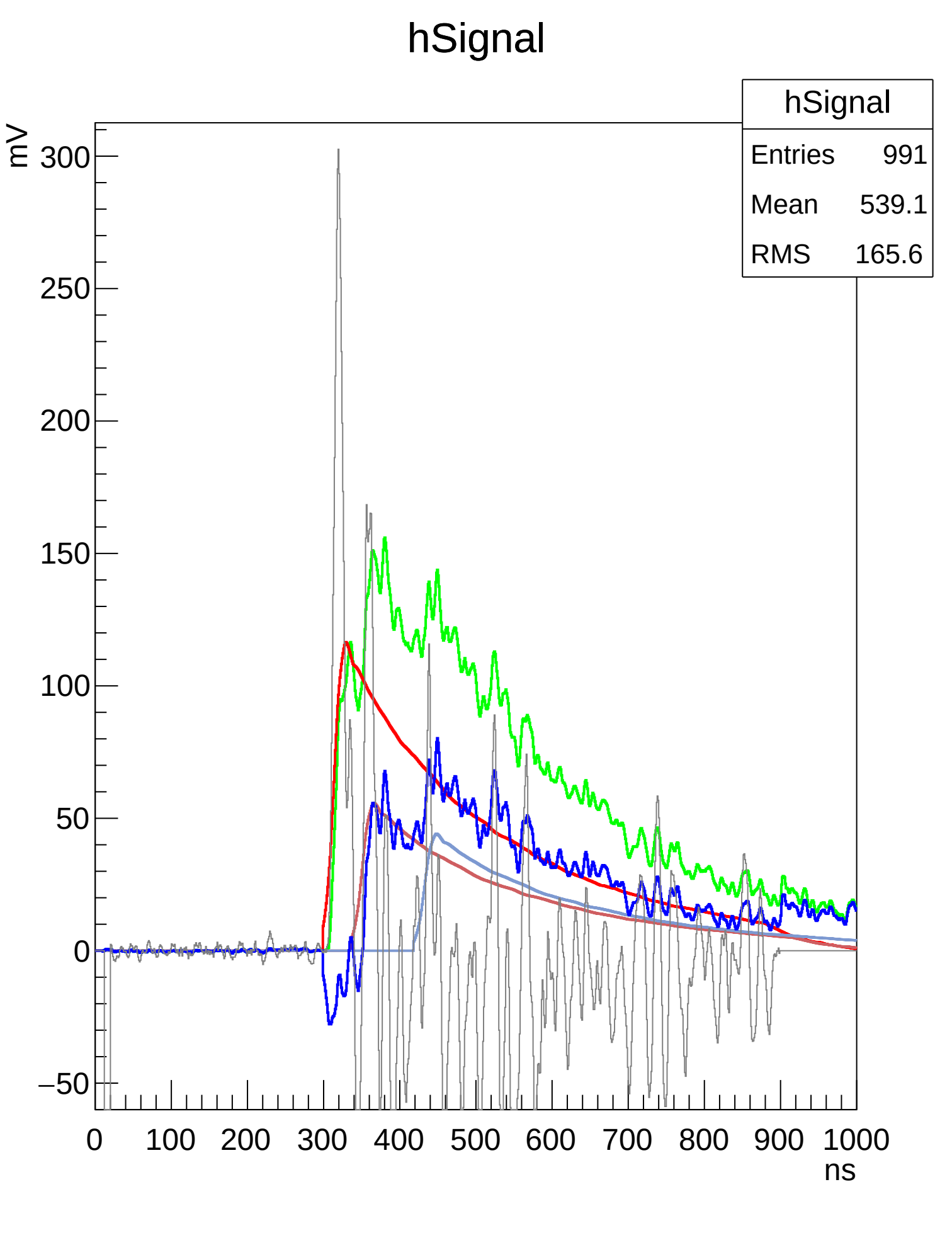

hSignal
hSignal
Entries 991
Mean 573.2
RMS 172.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

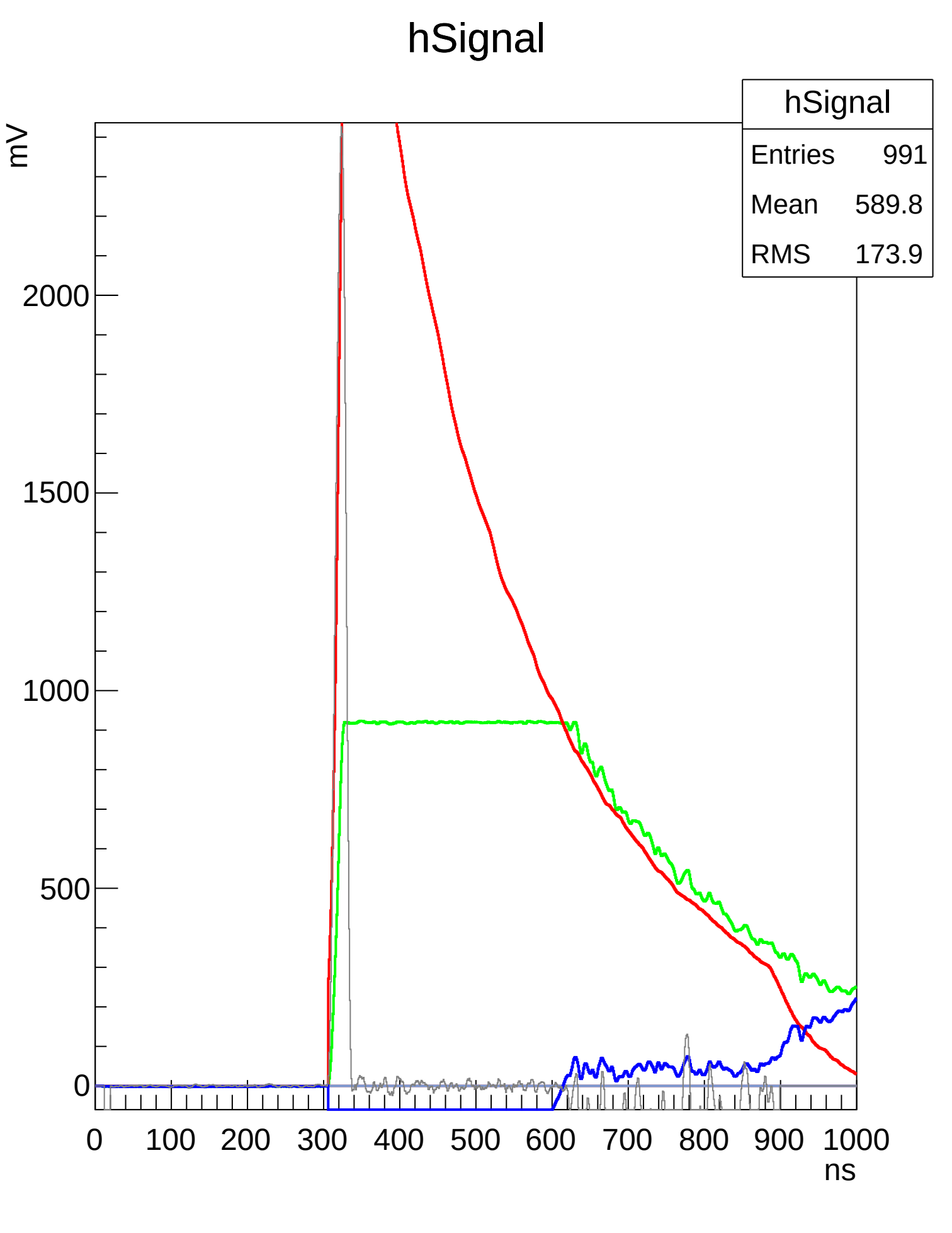

hSignal
hSignal
Entries 991
Mean 522.1
RMS 167.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

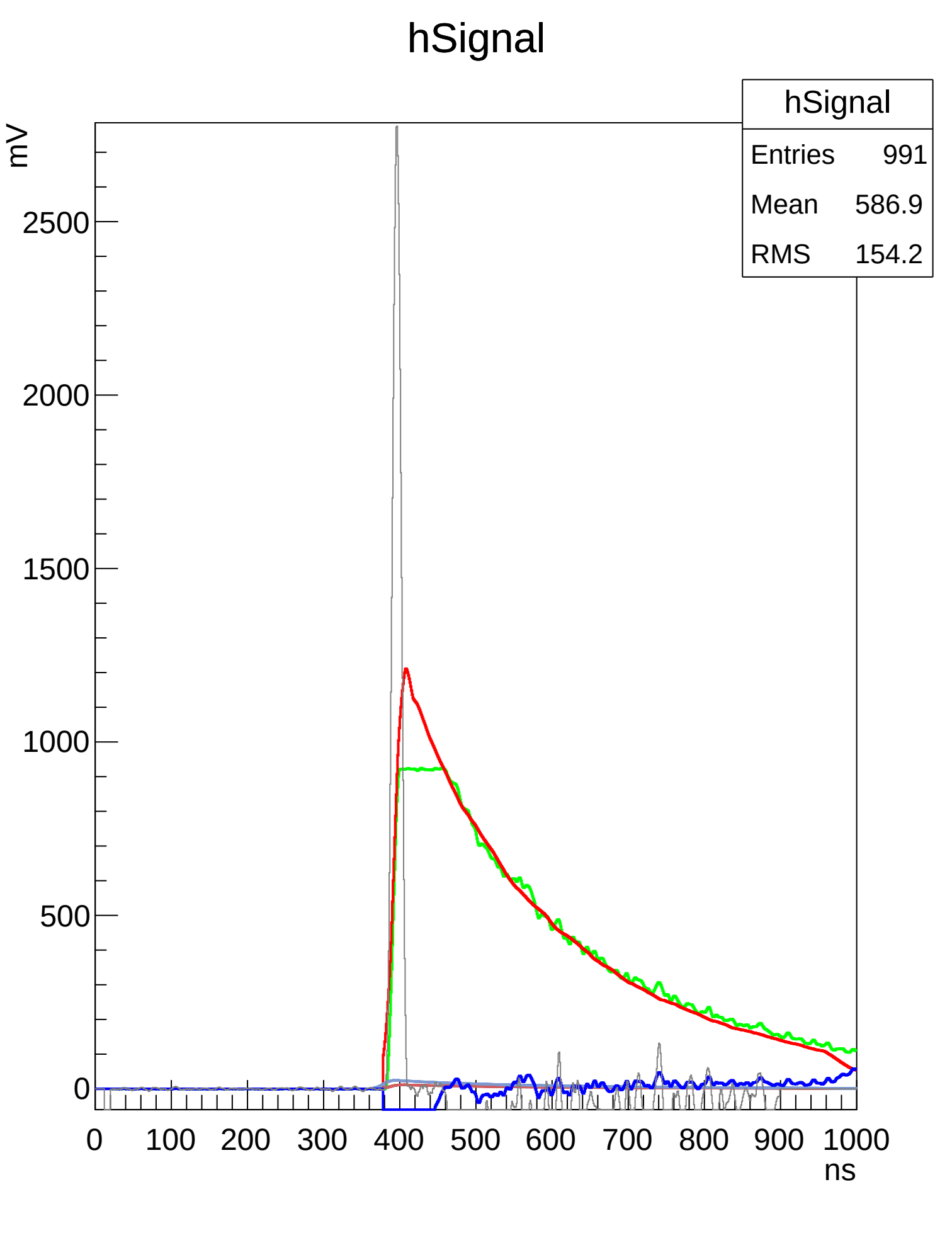

hSignal
hSignal
Entries 991
Mean 567.5
RMS 171.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

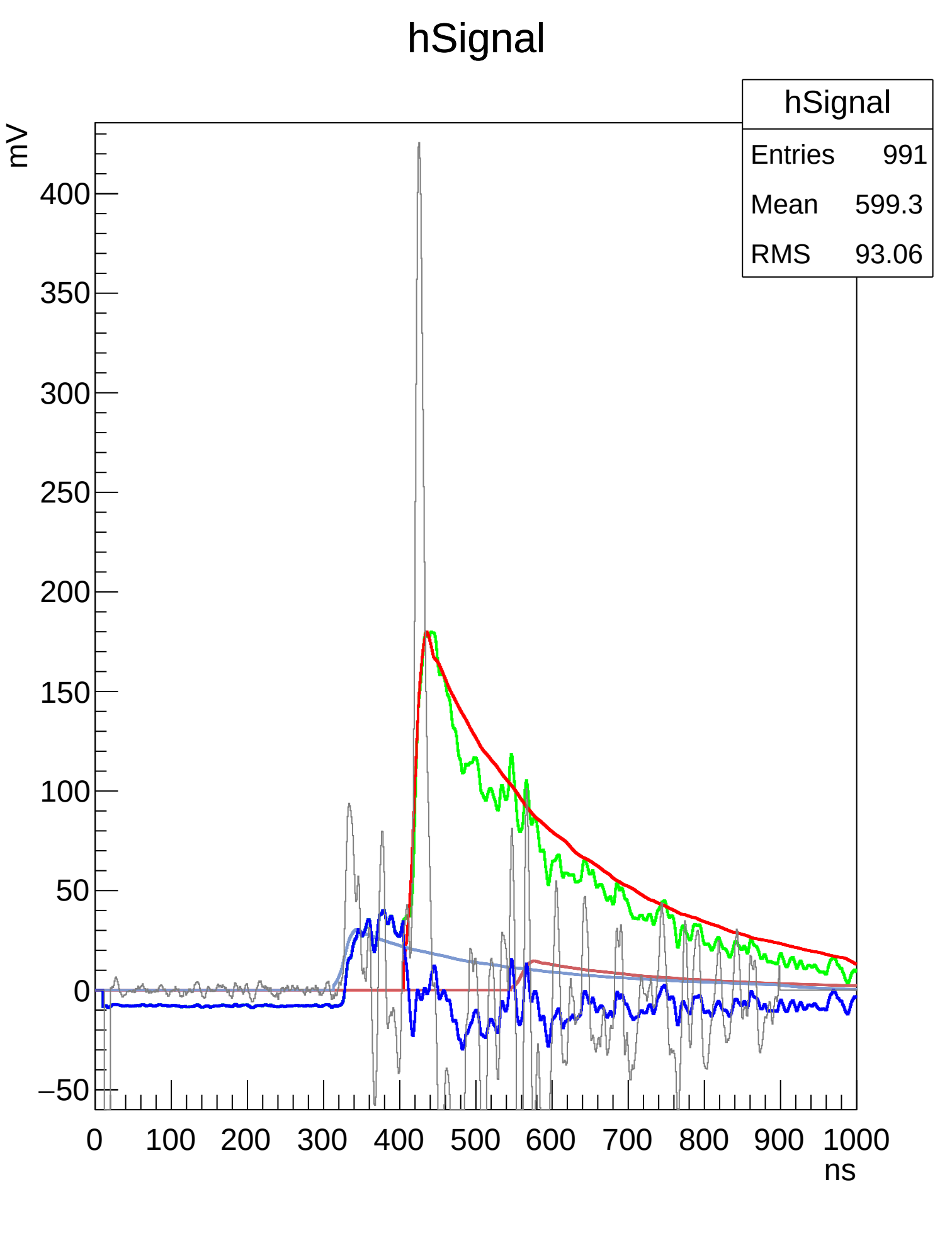

hSignal
hSignal
Entries 991
Mean 621.1
RMS 148.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

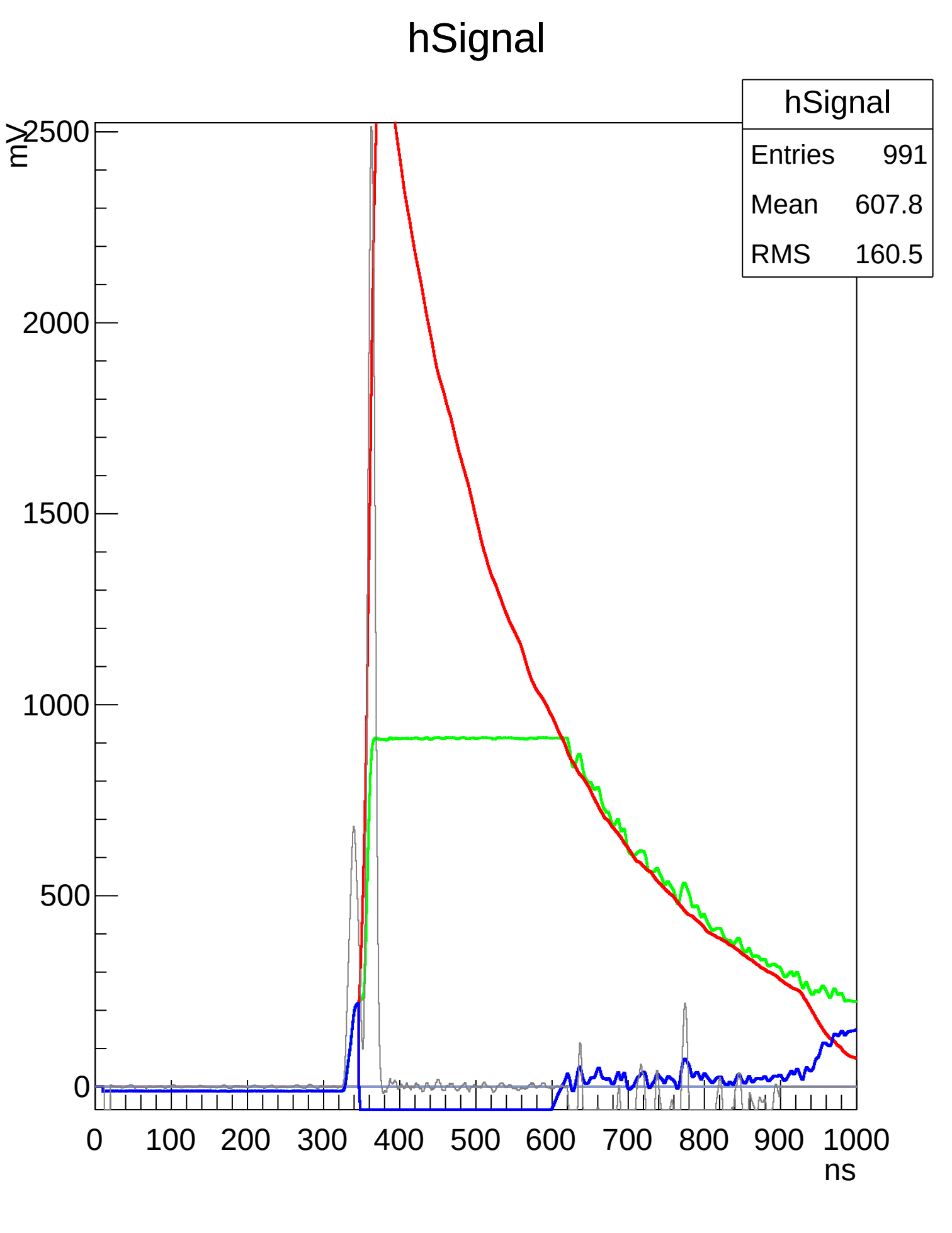

hSignal
hSignal
Entries 991
Mean 604.5
RMS 63.96
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

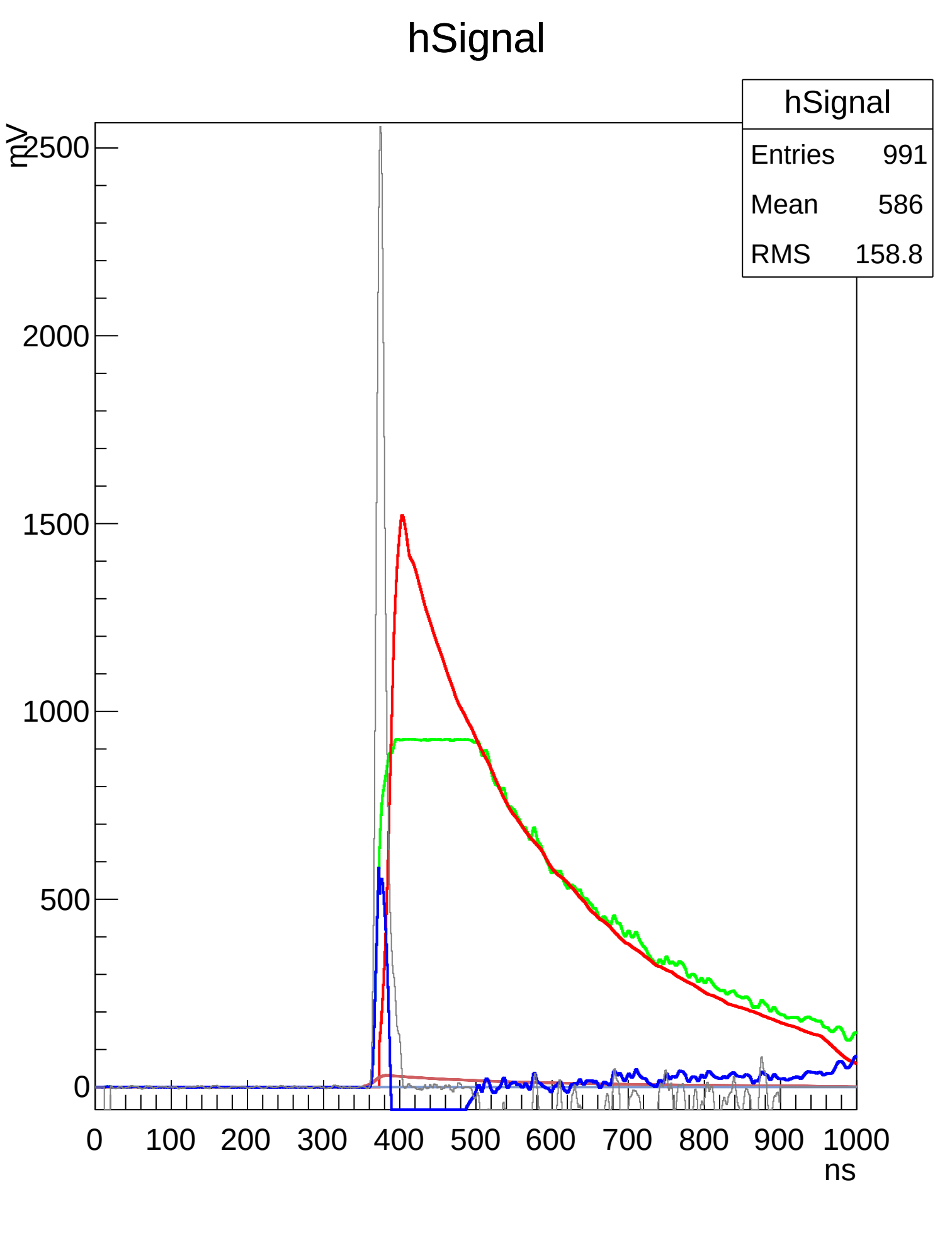

hSignal
hSignal
Entries 991
Mean 539.1
RMS 165.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

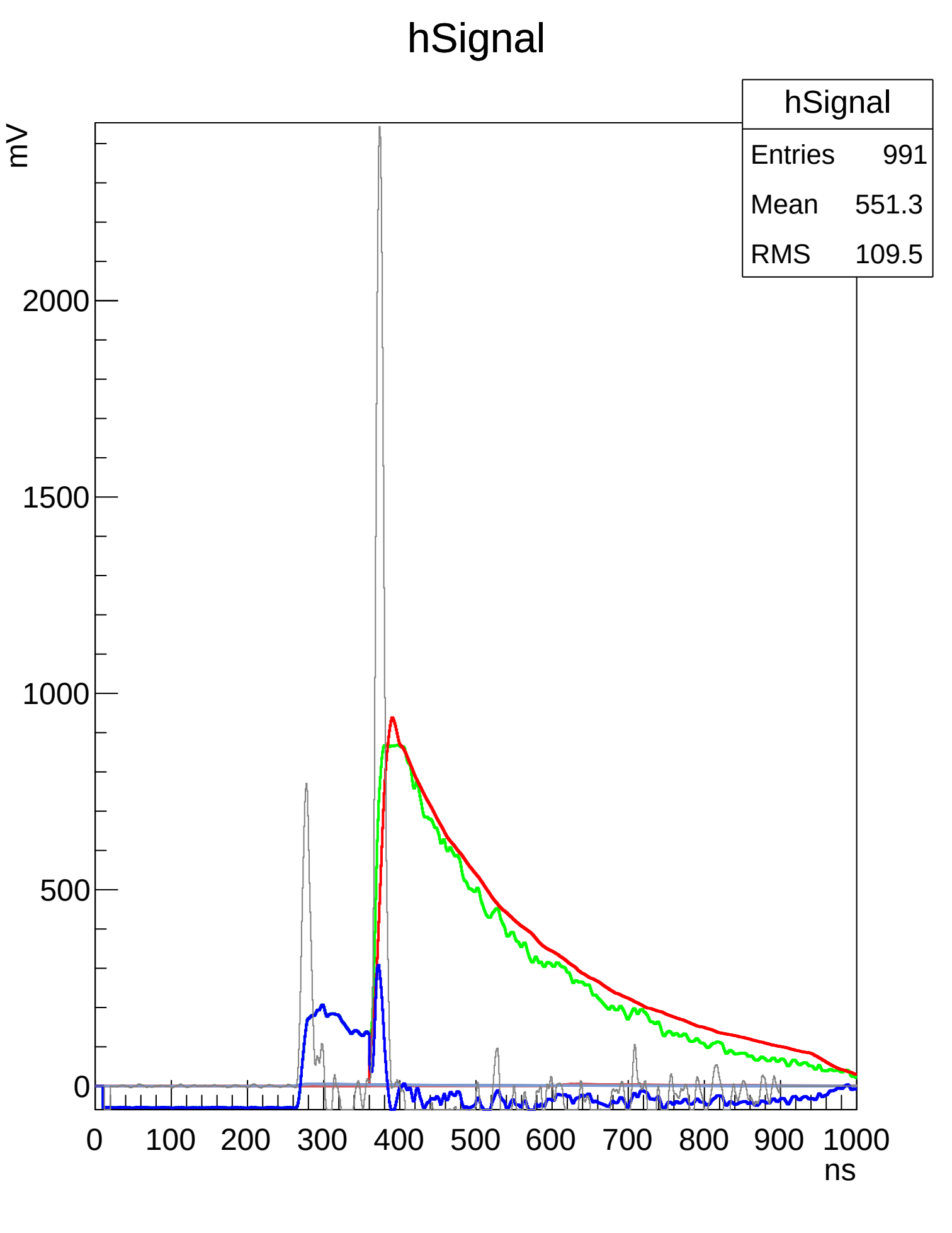

hSignal
hSignal
Entries 991
Mean 589.8
RMS 173.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

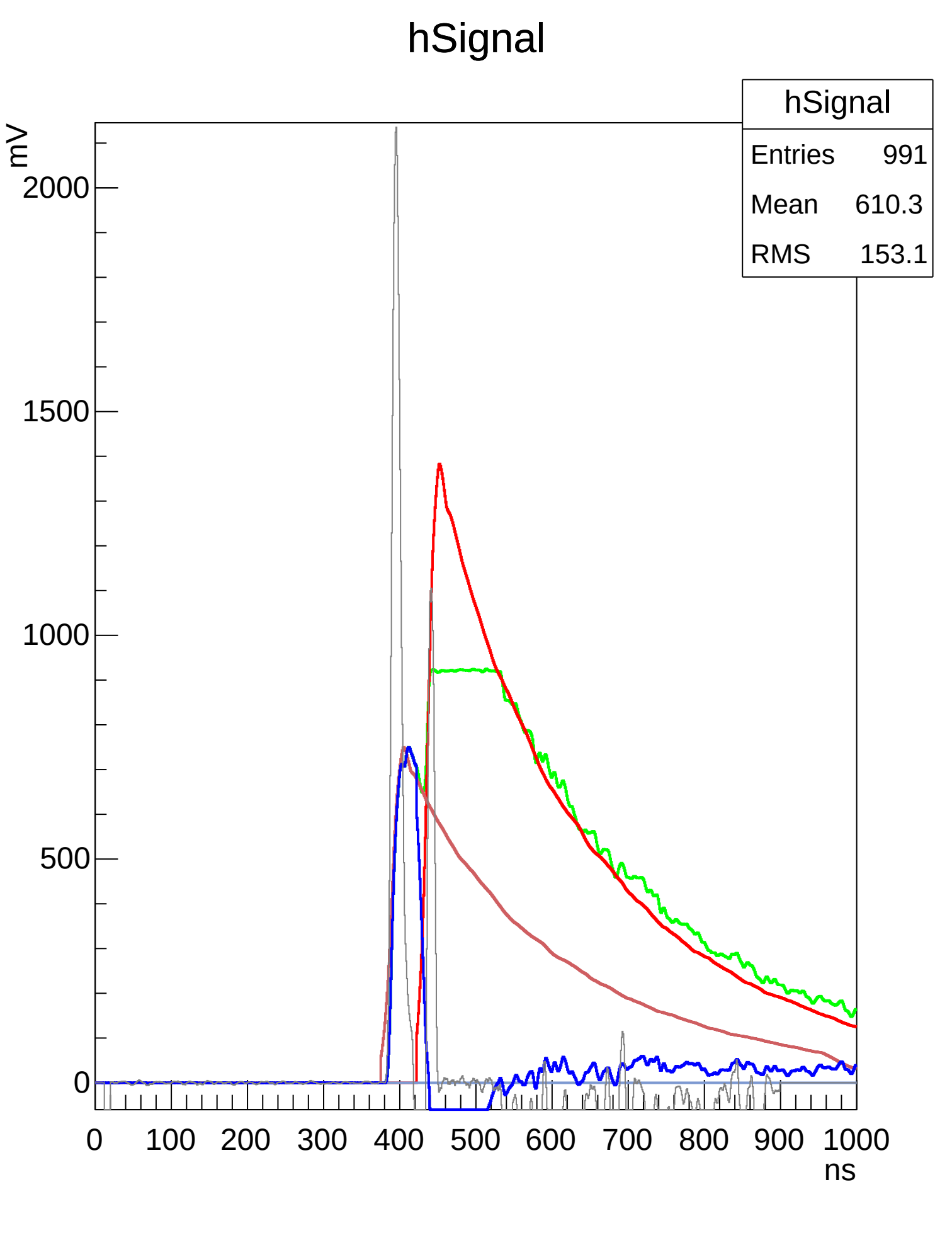

hSignal
hSignal
Entries 991
Mean 586.9
RMS 154.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

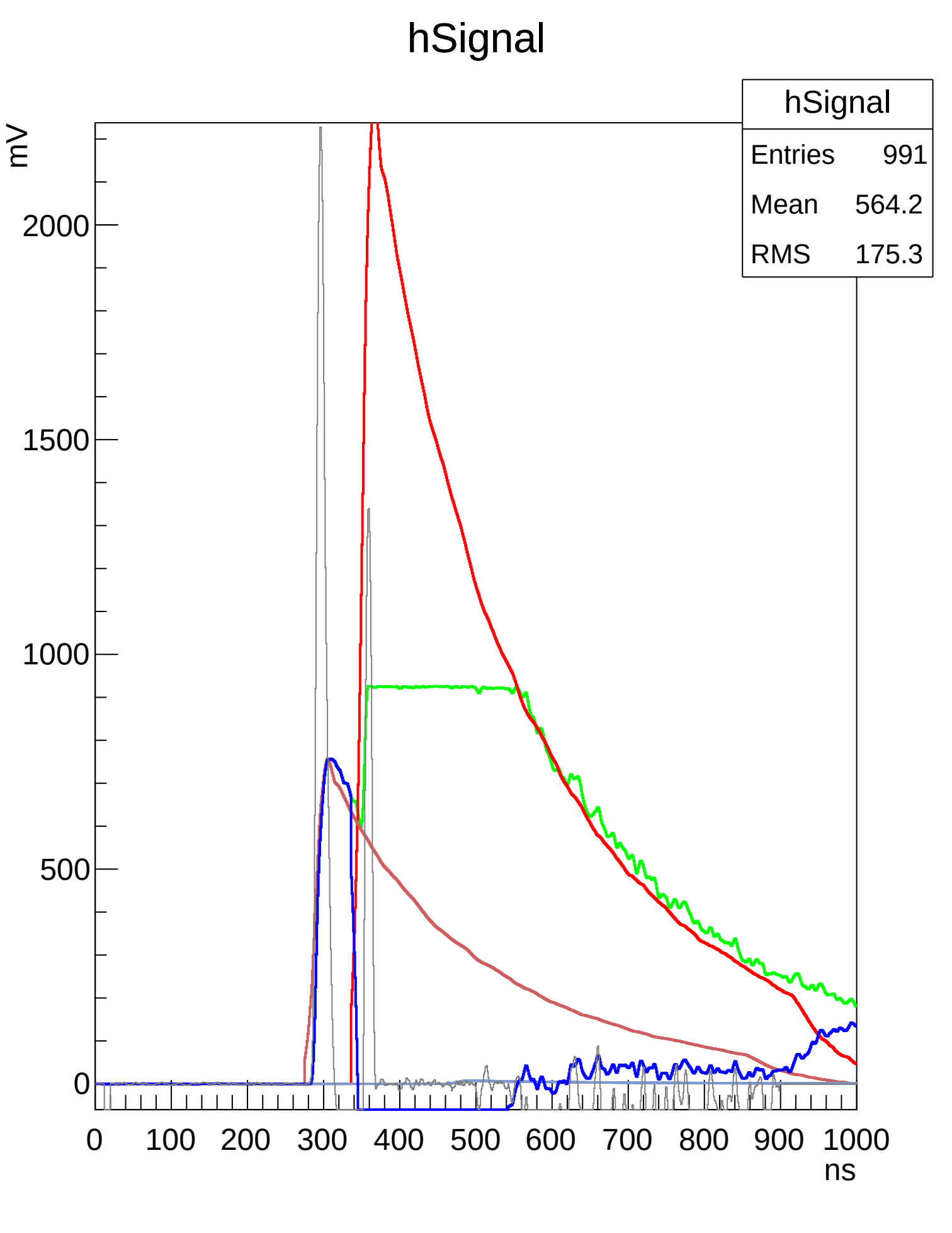

hSignal
hSignal
Entries 991
Mean 599.3
RMS 93.06
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

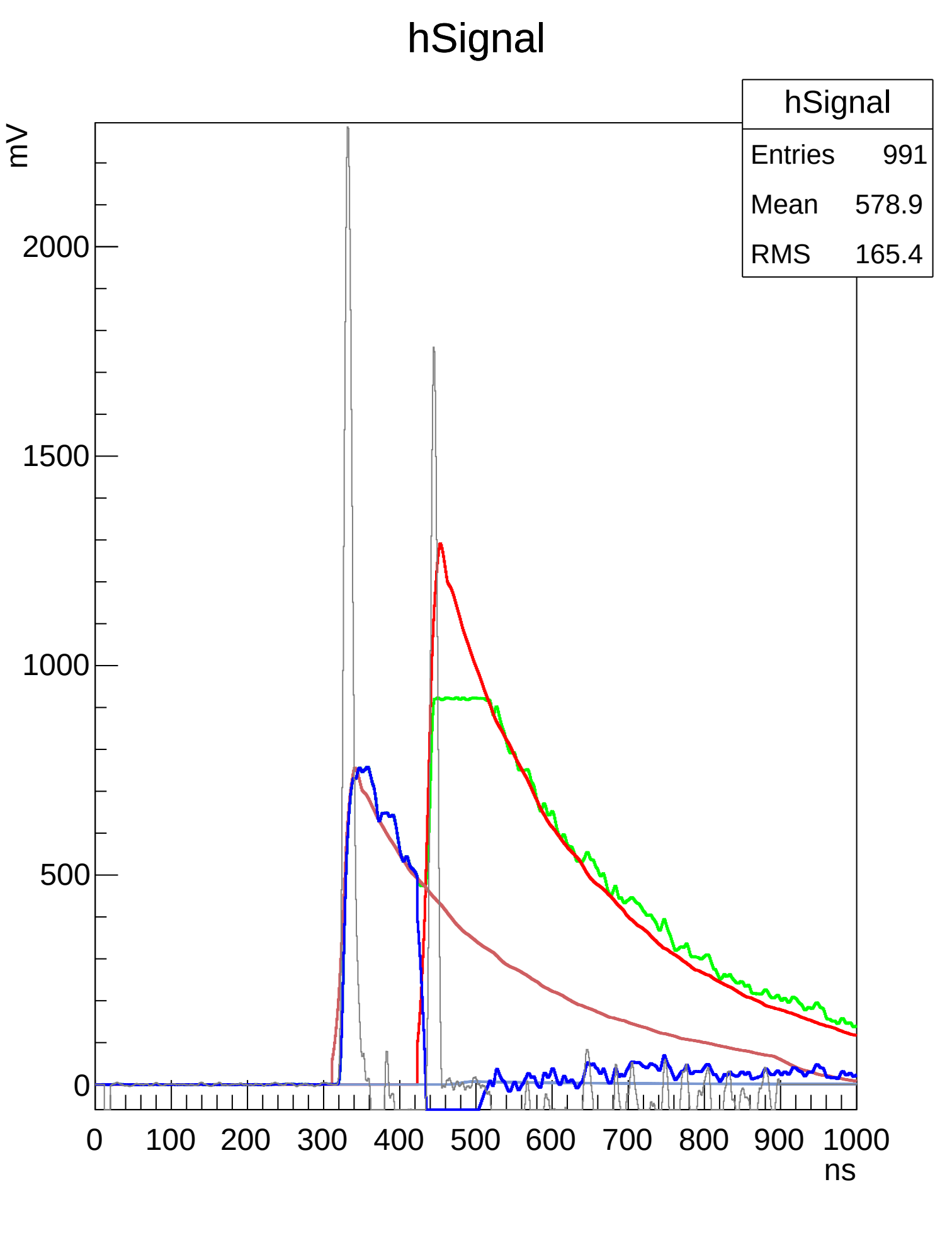

hSignal
hSignal
Entries 991
Mean 607.8
RMS 160.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

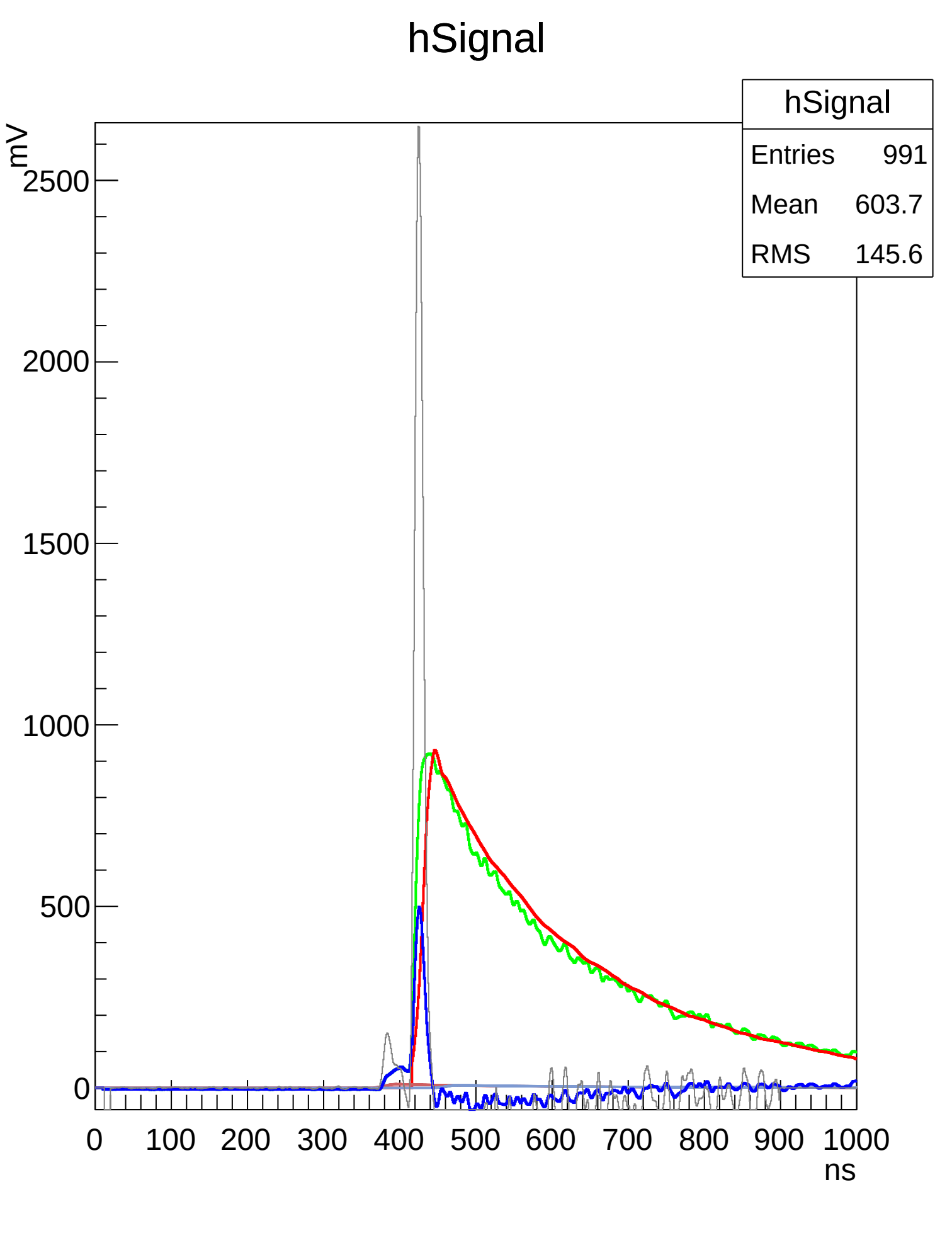

hSignal
hSignal
Entries 991
Mean 586
RMS 158.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

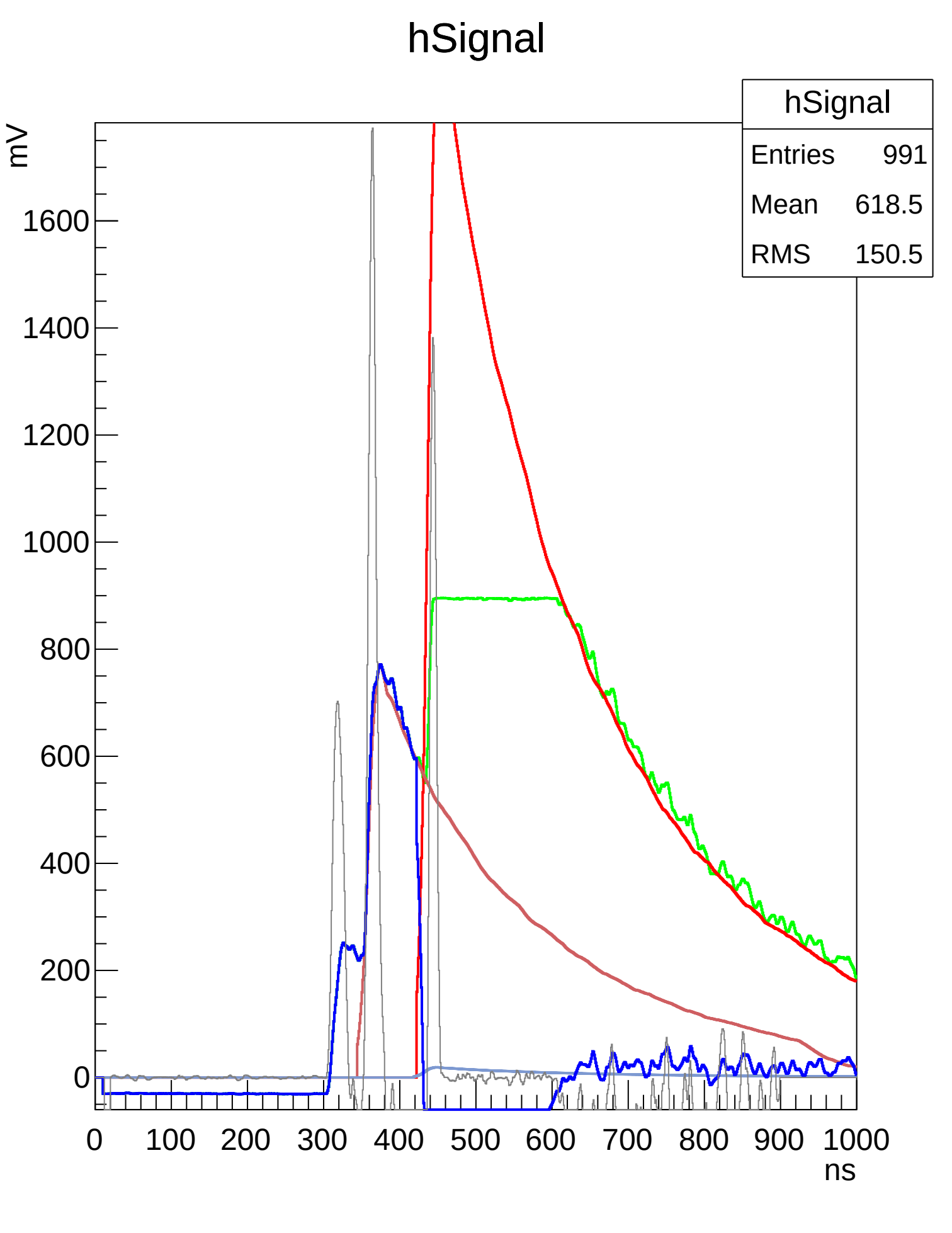

hSignal
hSignal
Entries 991
Mean 551.3
RMS 109.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

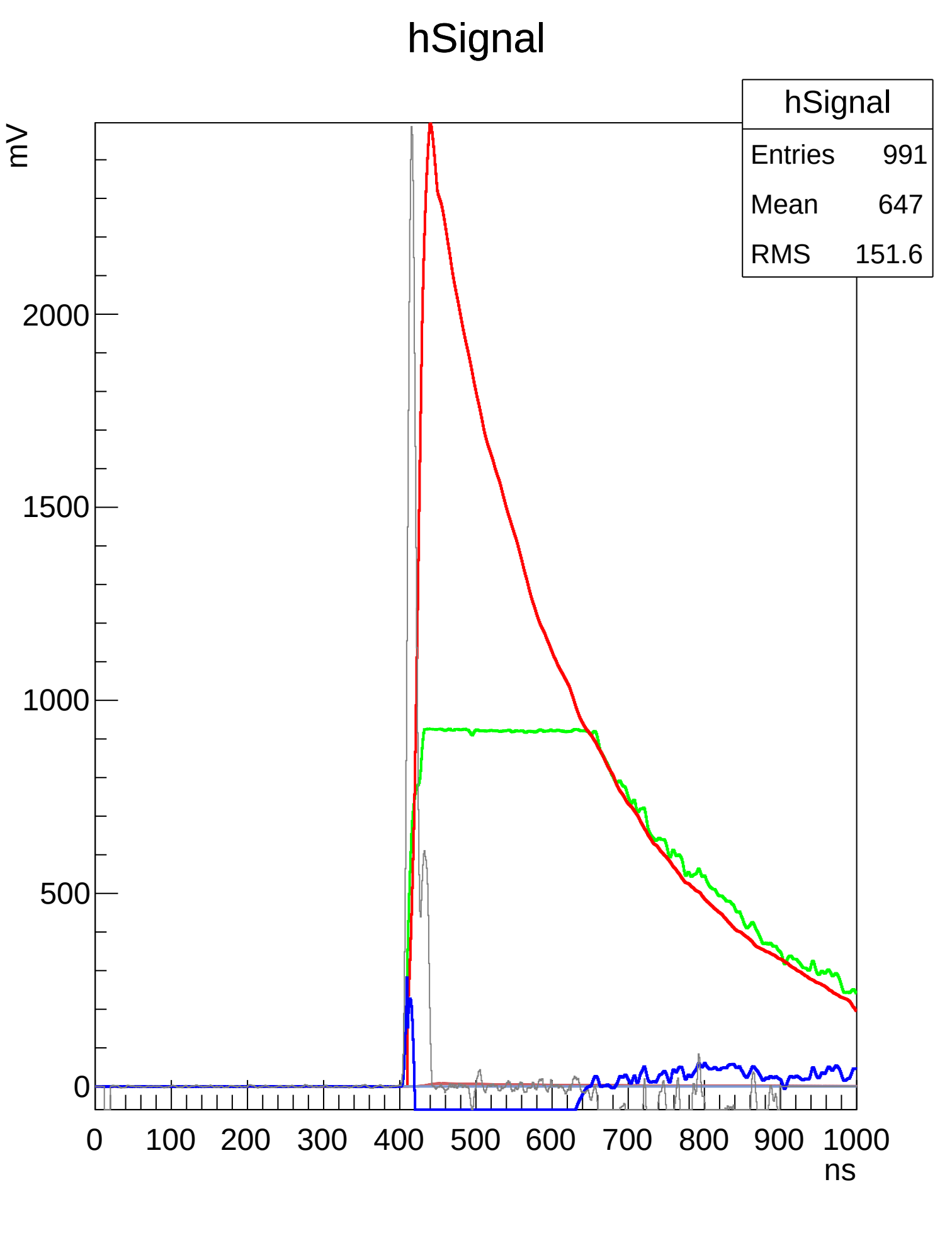

hSignal
hSignal
Entries 991
Mean 610.3
RMS 153.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

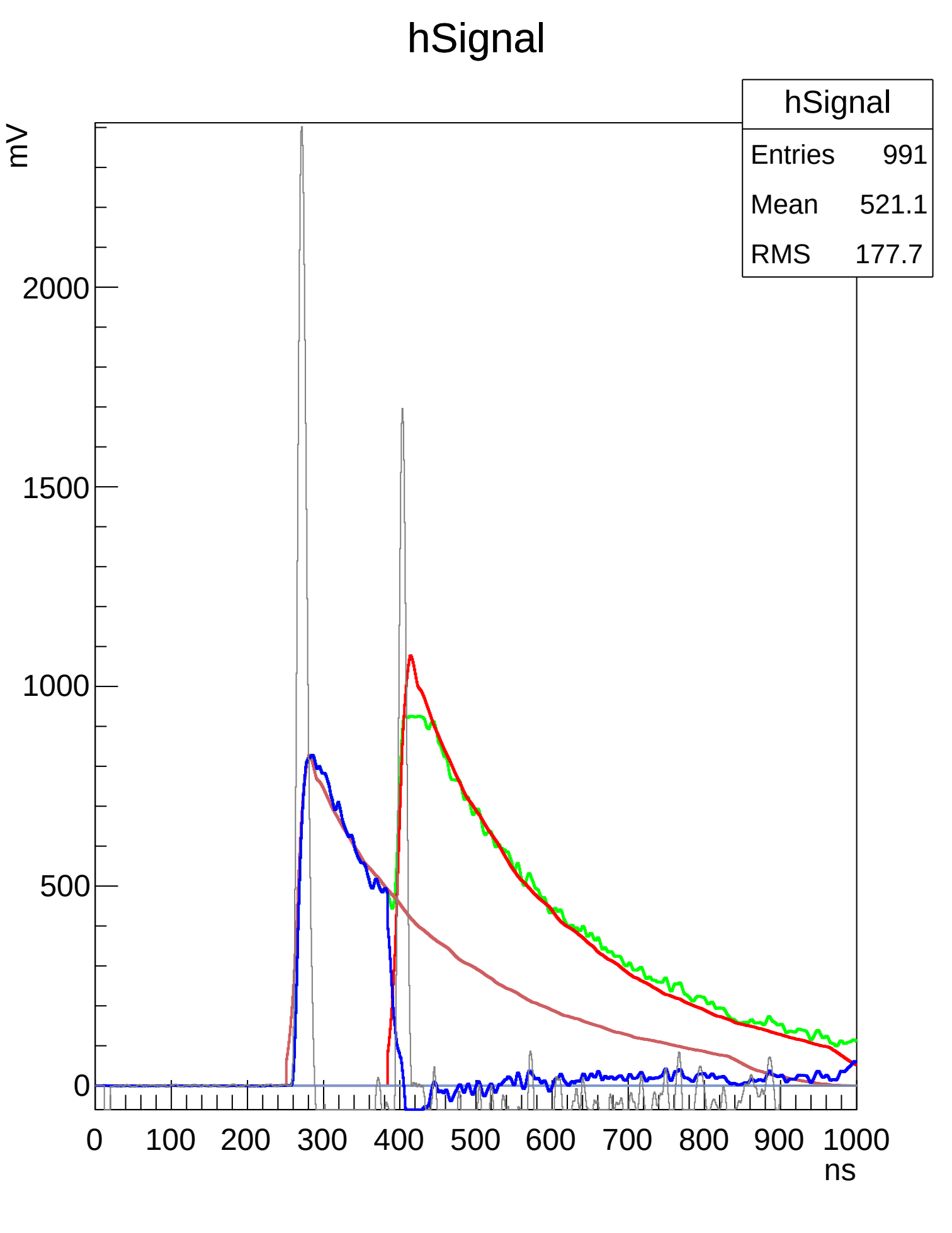

hSignal
hSignal
Entries 991
Mean 564.2
RMS 175.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

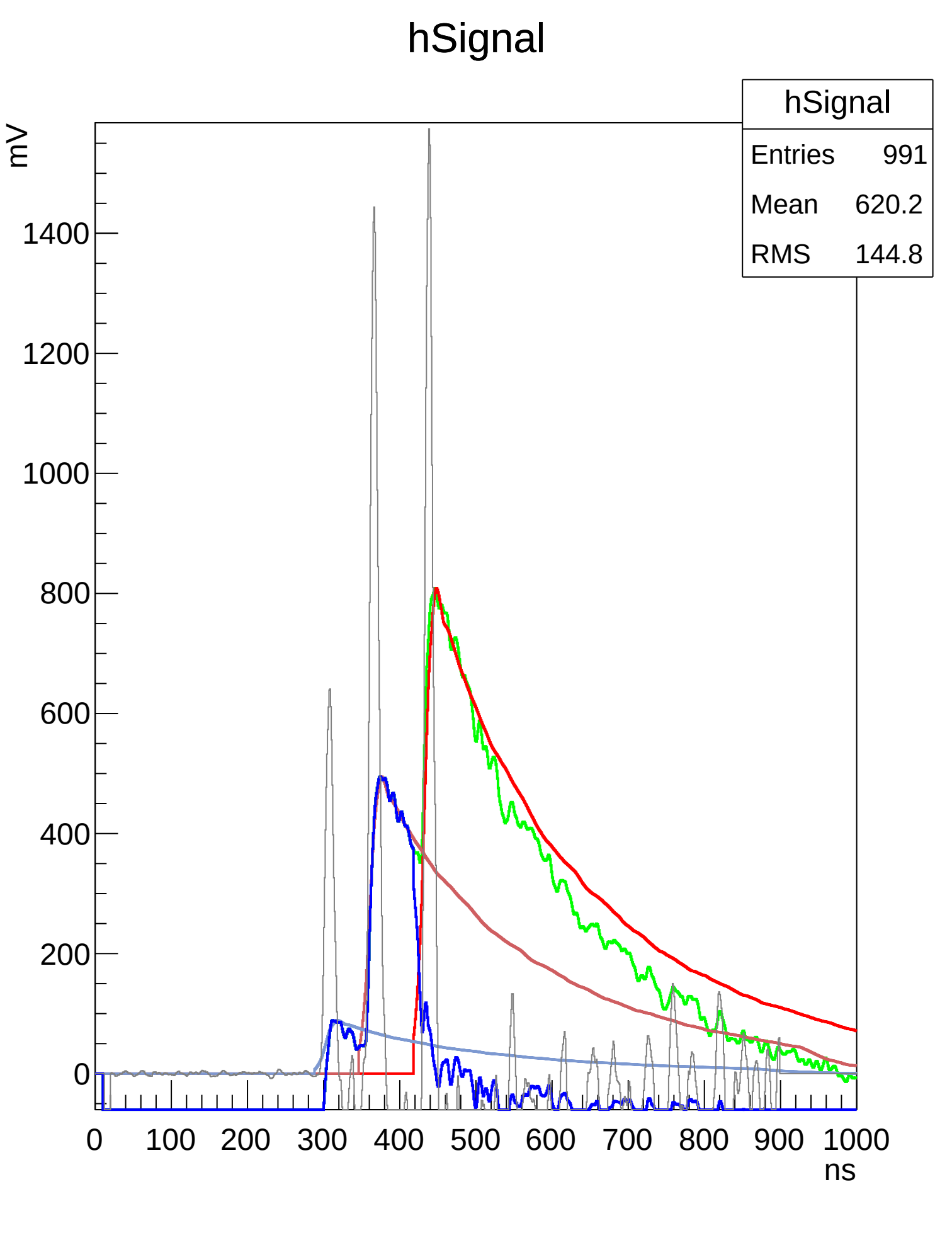

hSignal
hSignal
Entries 991
Mean 578.9
RMS 165.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

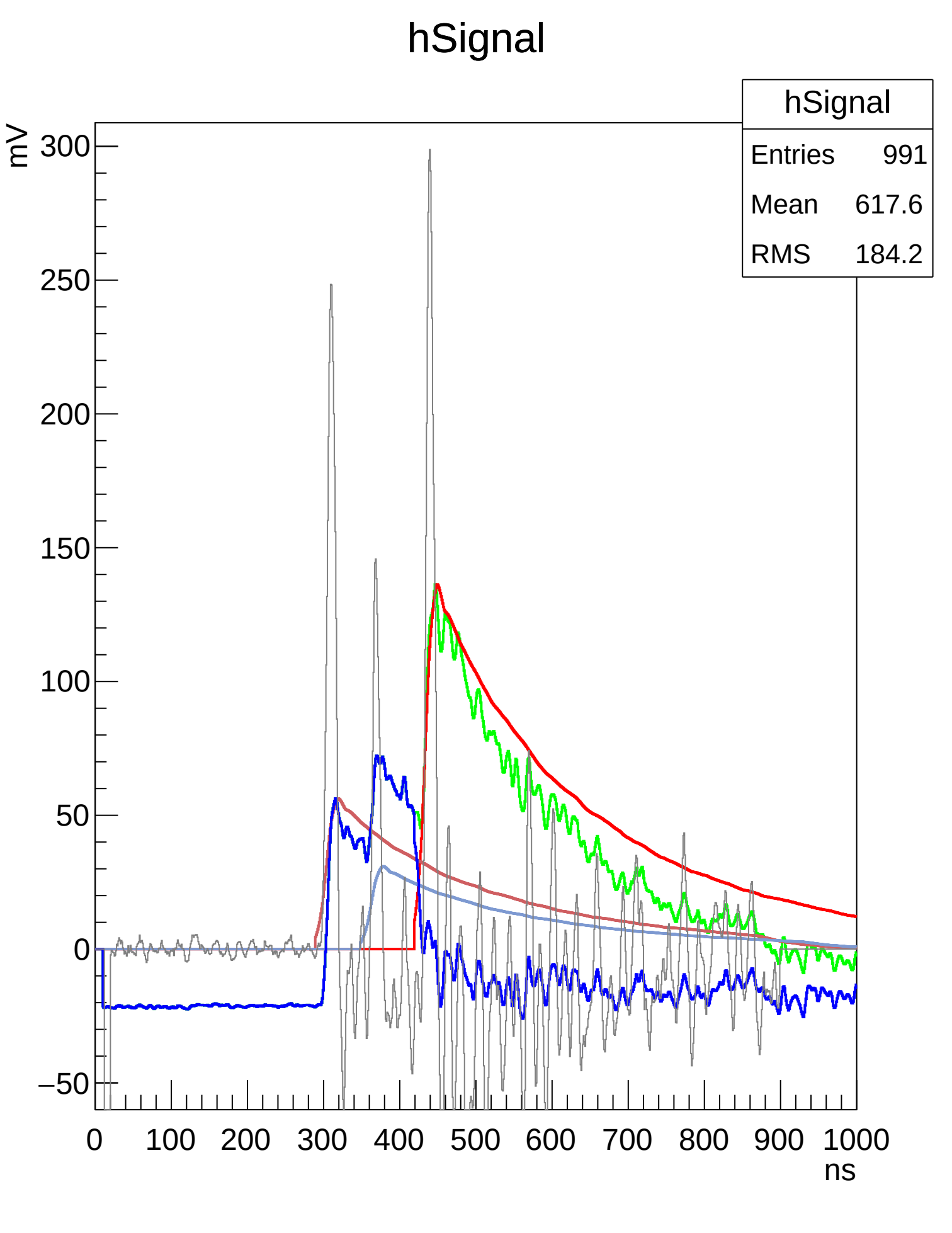

hSignal
hSignal
Entries 991
Mean 603.7
RMS 145.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

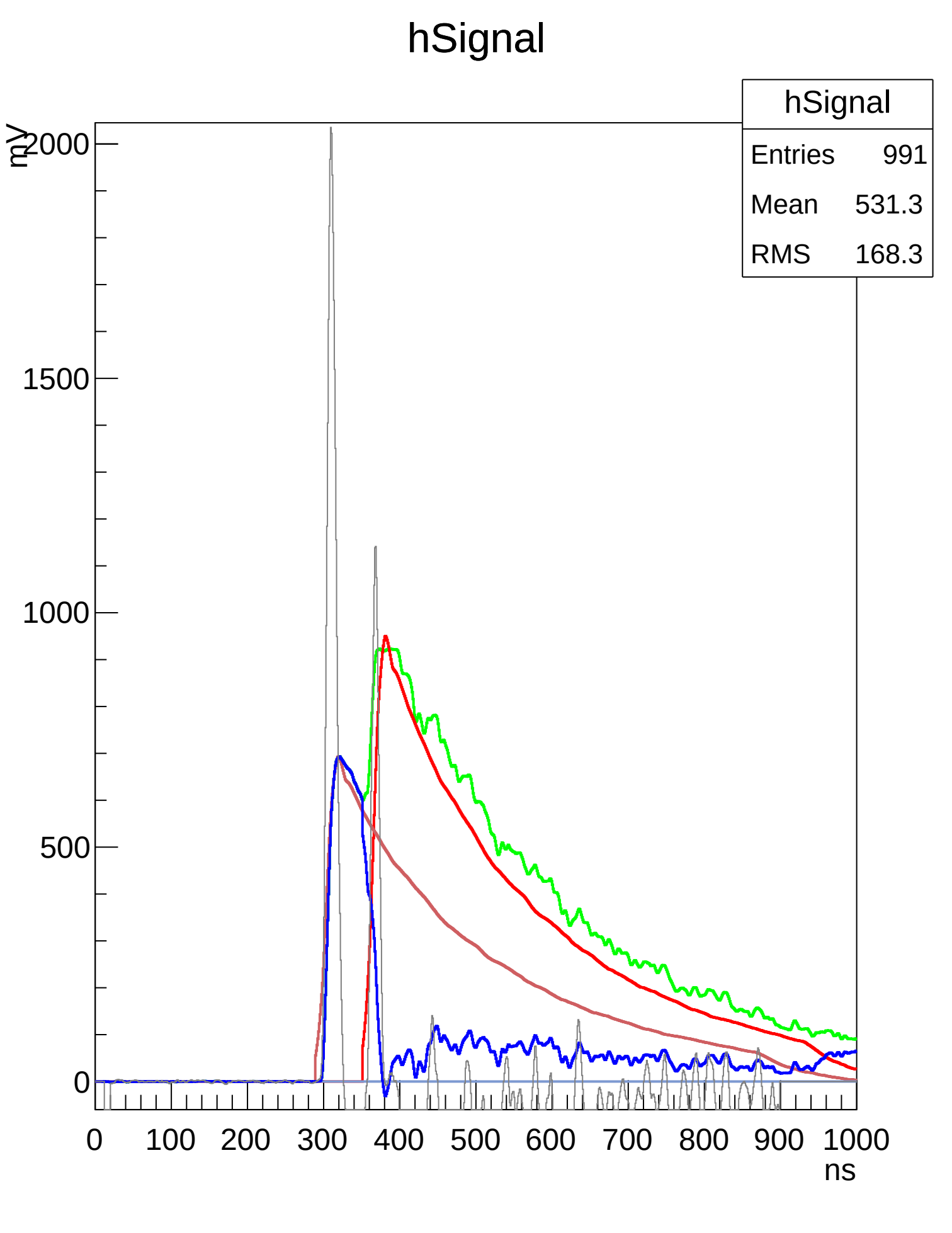

hSignal
hSignal
Entries 991
Mean 618.5
RMS 150.5
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

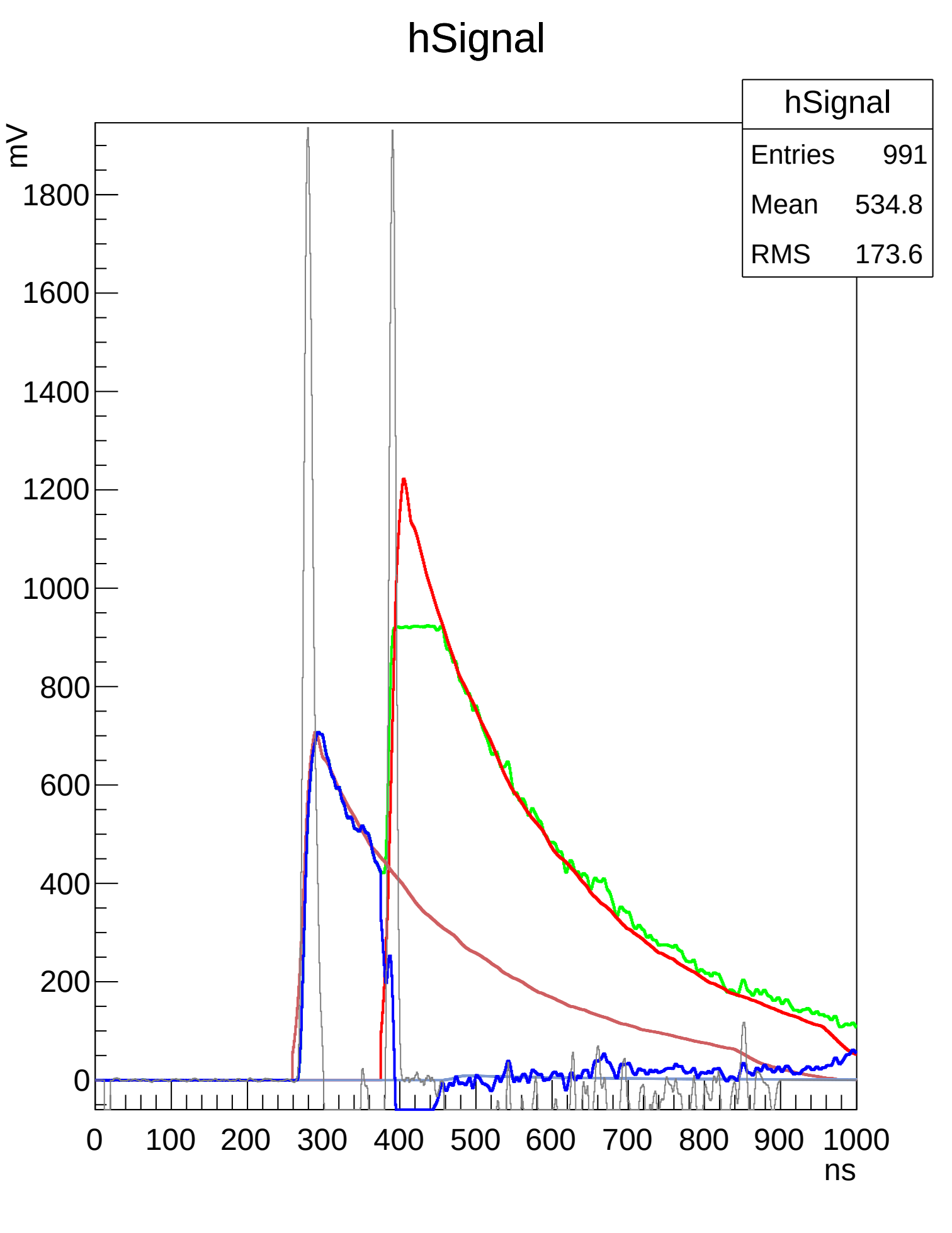

hSignal
hSignal
Entries 991
Mean 647
RMS 151.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

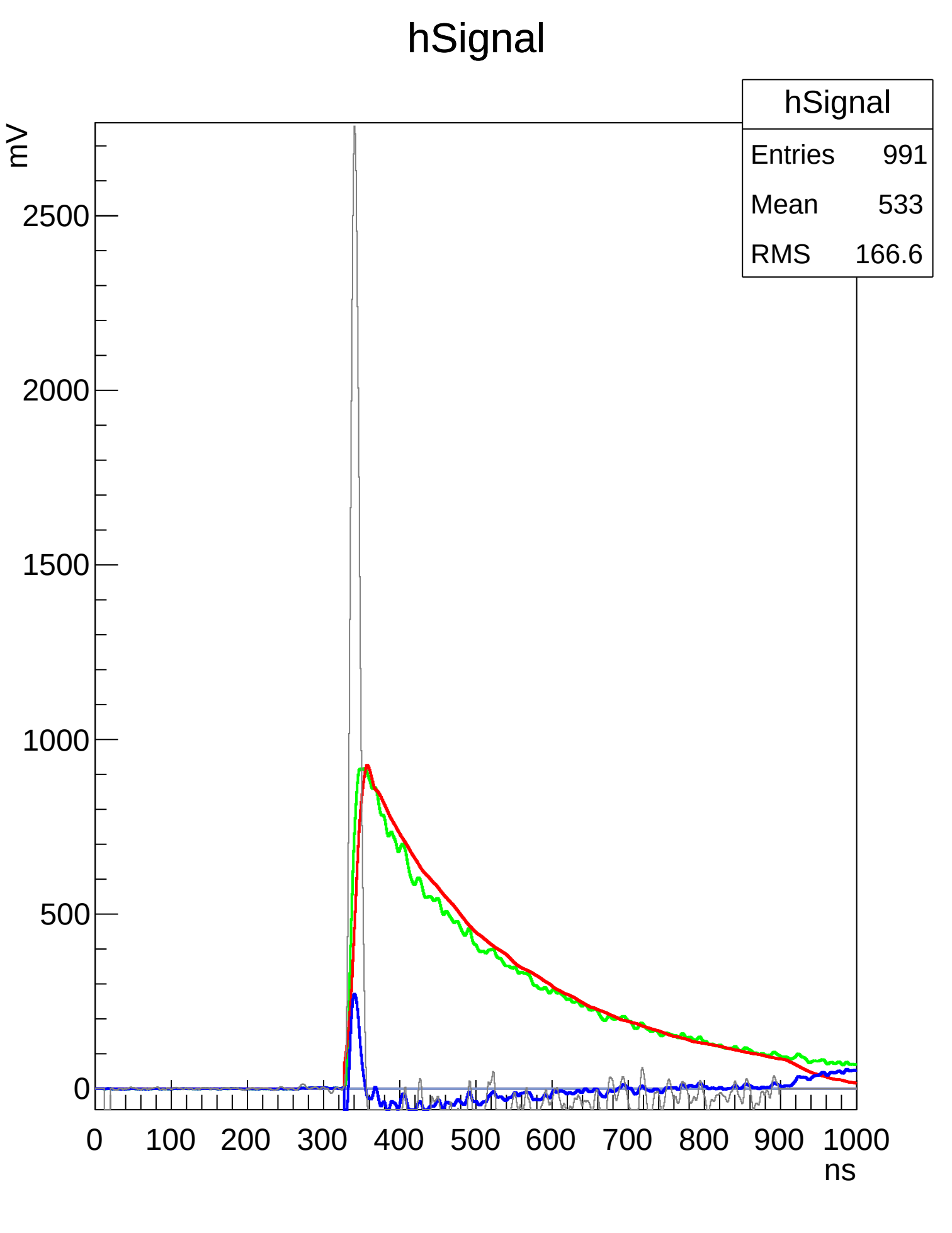

hSignal
hSignal
Entries 991
Mean 521.1
RMS 177.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

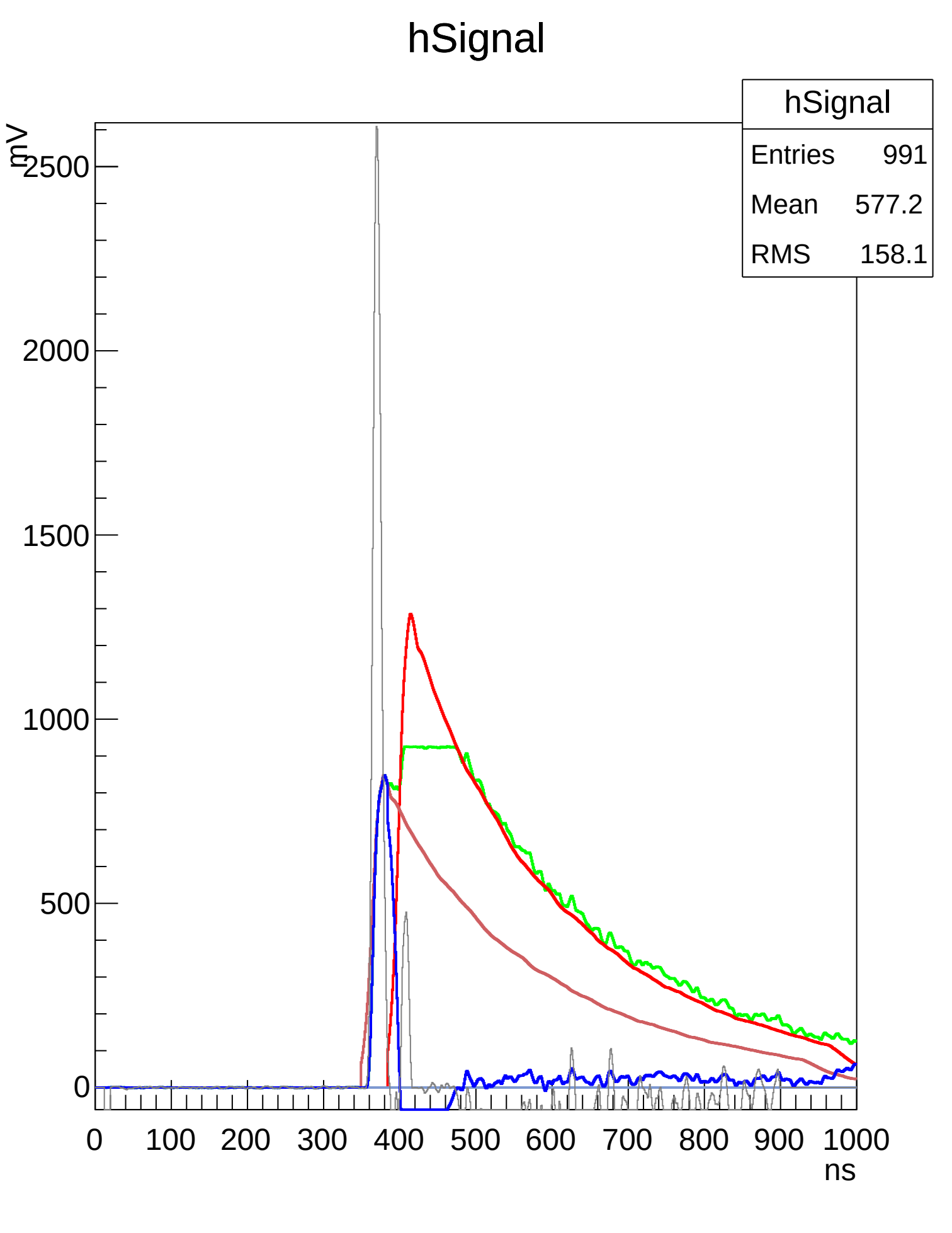

hSignal
hSignal
Entries 991
Mean 620.2
RMS 144.8
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

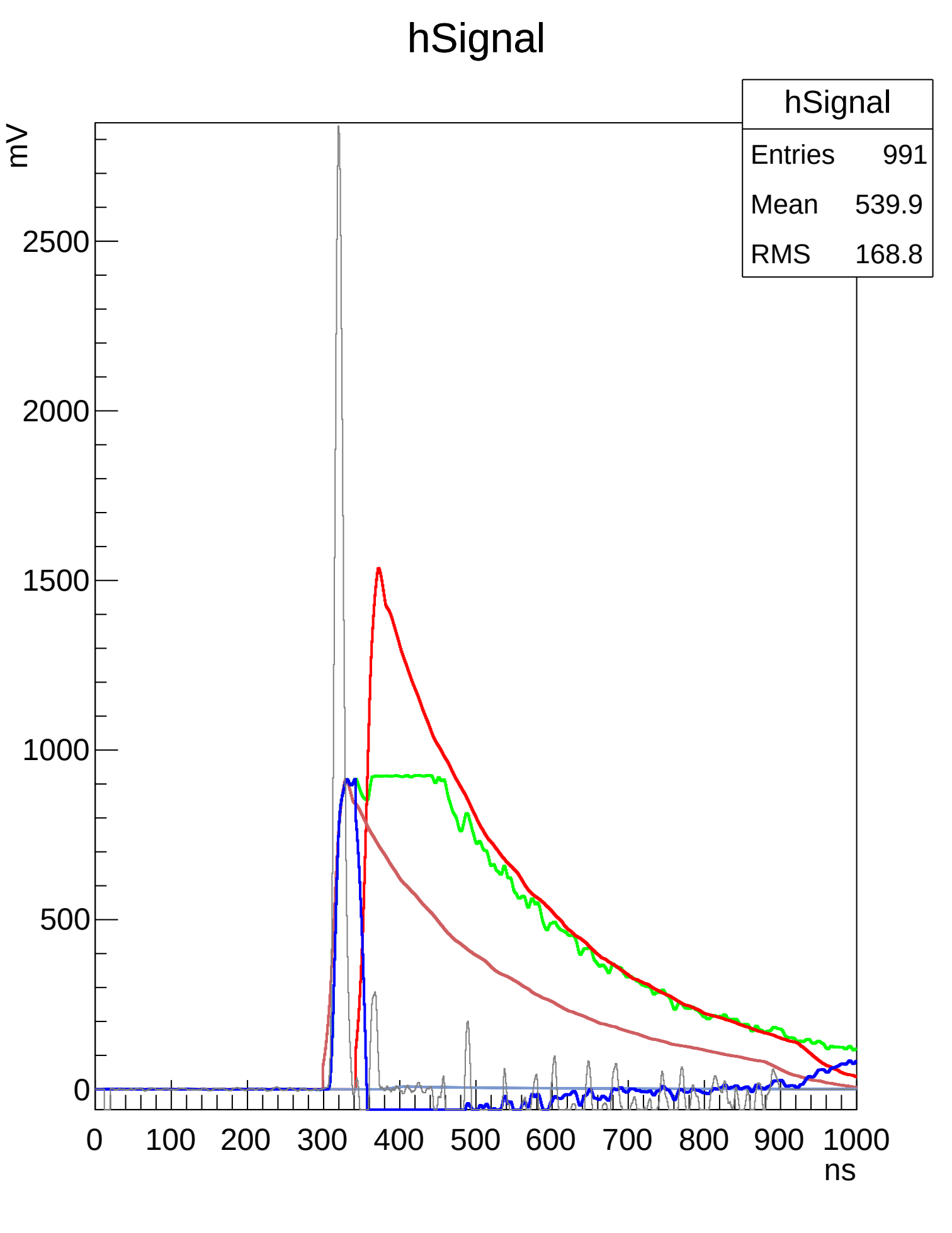

hSignal
hSignal
Entries 991
Mean 617.6
RMS 184.2
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

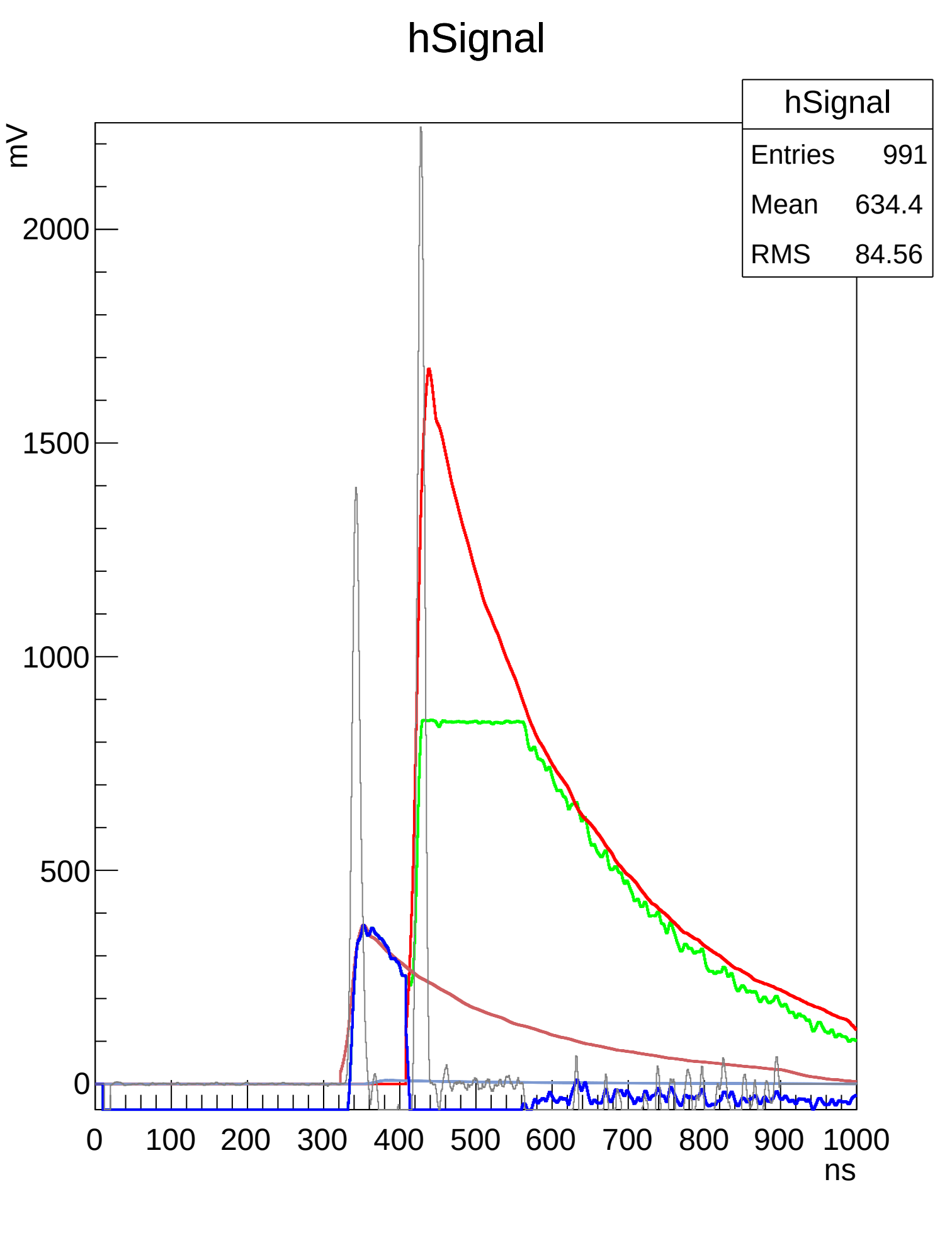

hSignal
hSignal
Entries 991
Mean 531.3
RMS 168.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

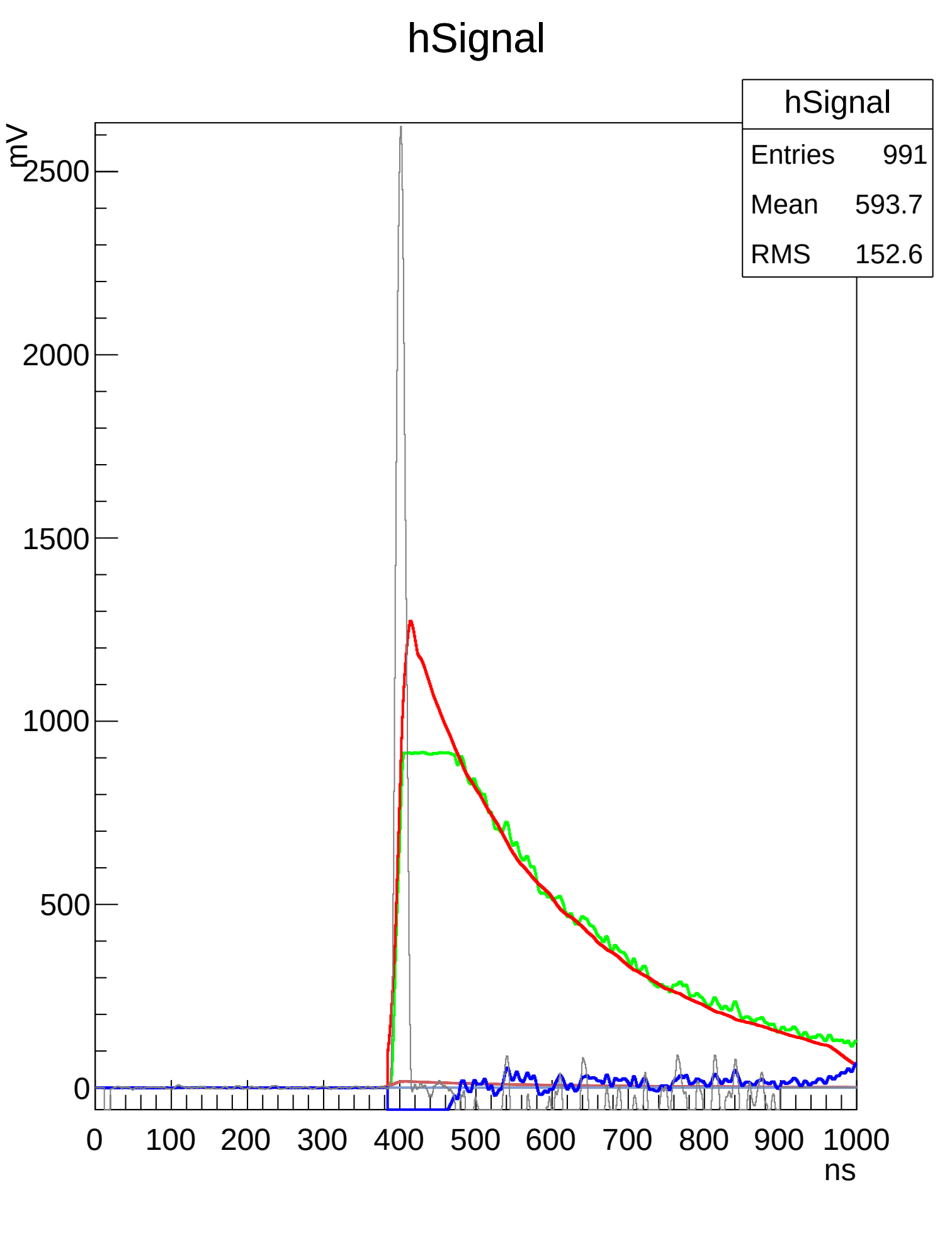

hSignal
hSignal
Entries 991
Mean 534.8
RMS 173.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

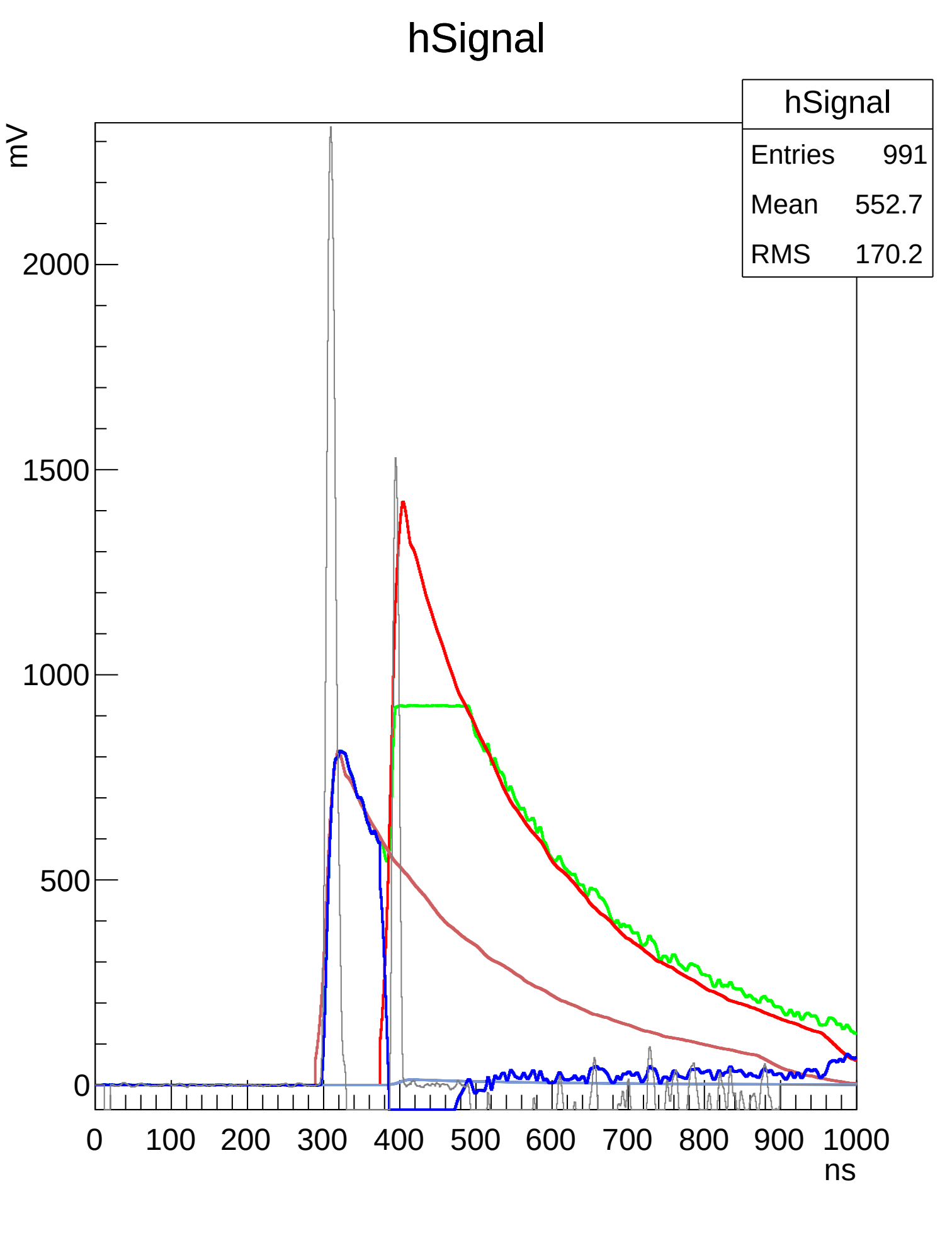

hSignal
hSignal
Entries 991
Mean 533
RMS 166.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

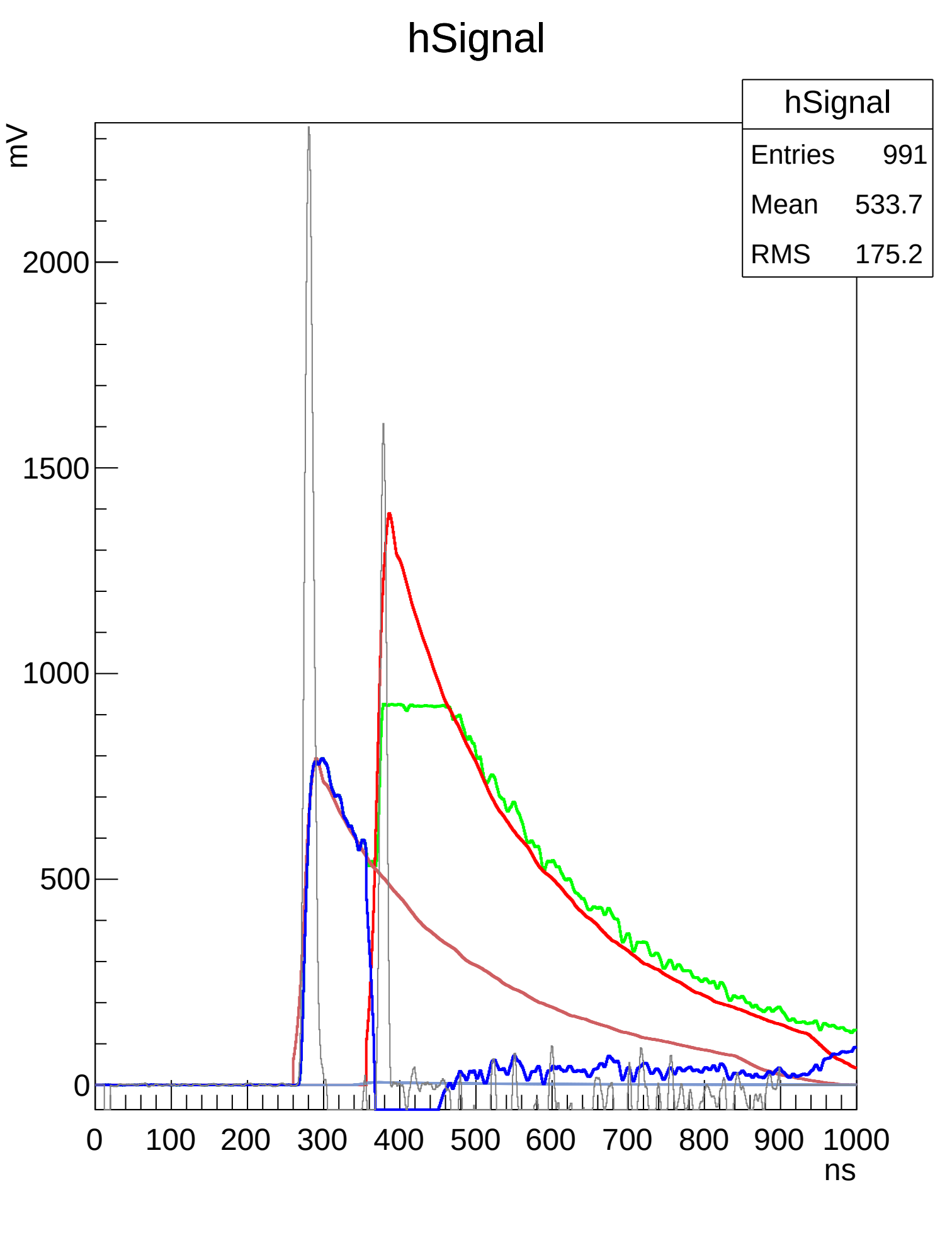

hSignal
hSignal
Entries 991
Mean 577.2
RMS 158.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

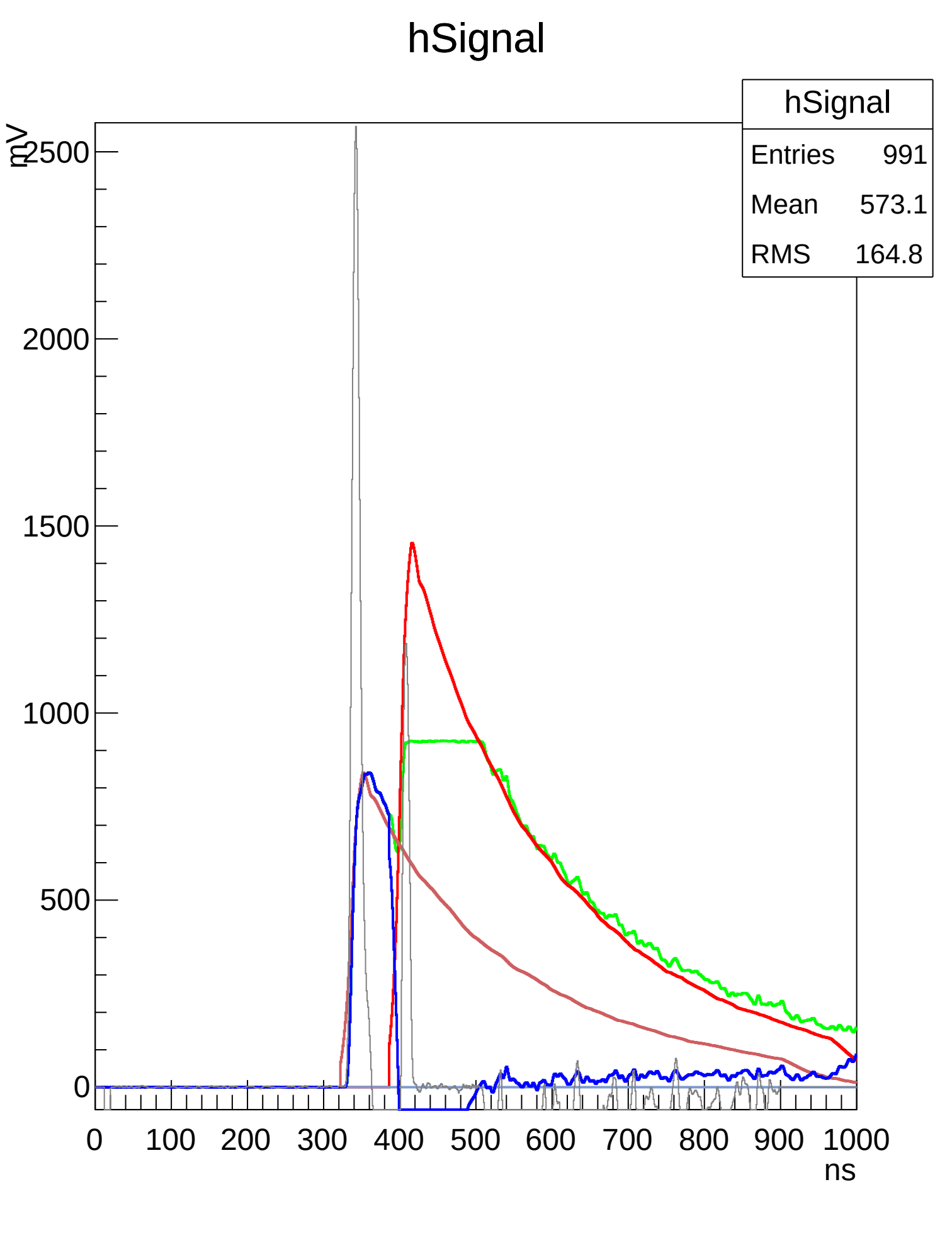

hSignal
hSignal
Entries 991
Mean 539.9
RMS 168.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

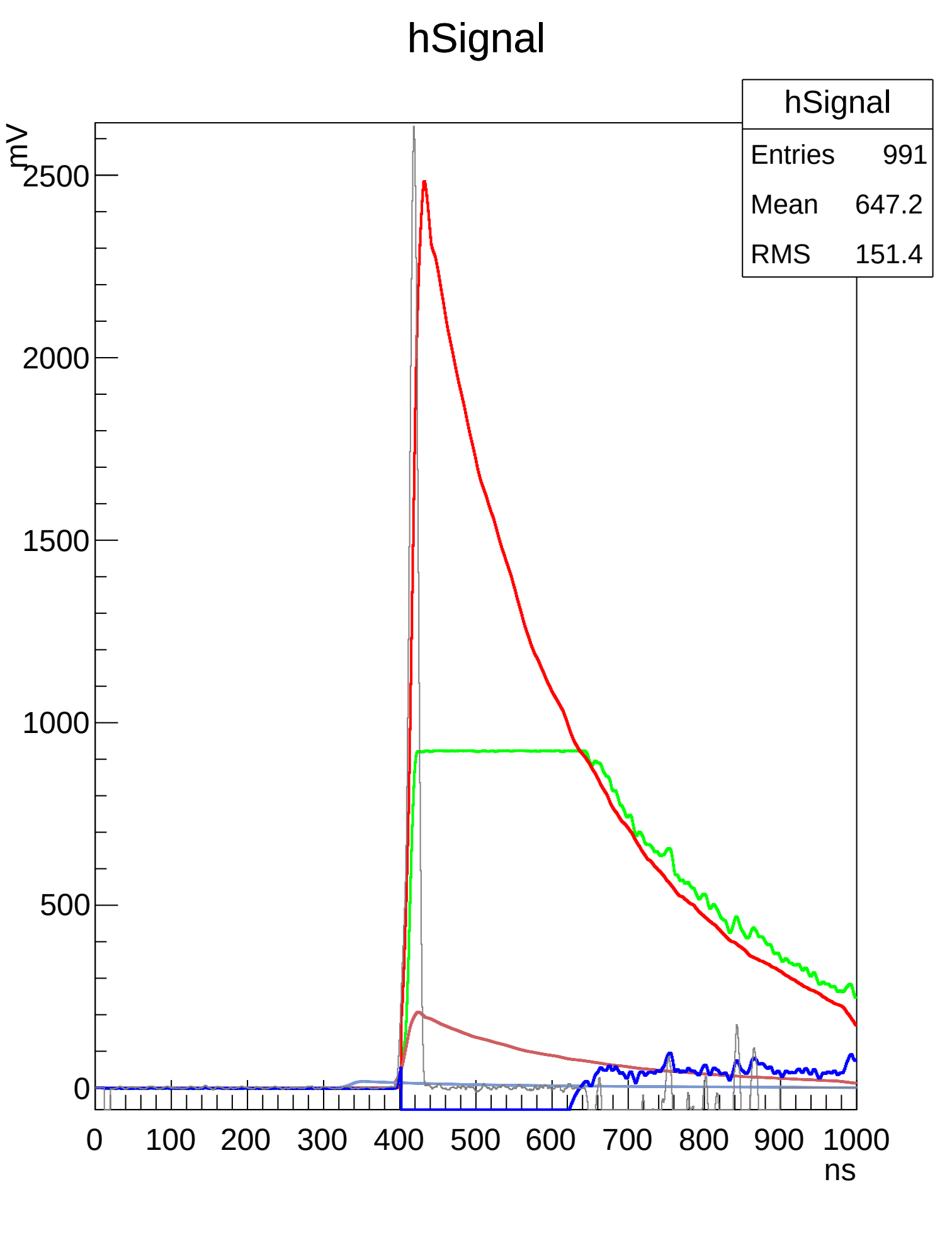

hSignal
hSignal
Entries 991
Mean 634.4
RMS 84.56
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

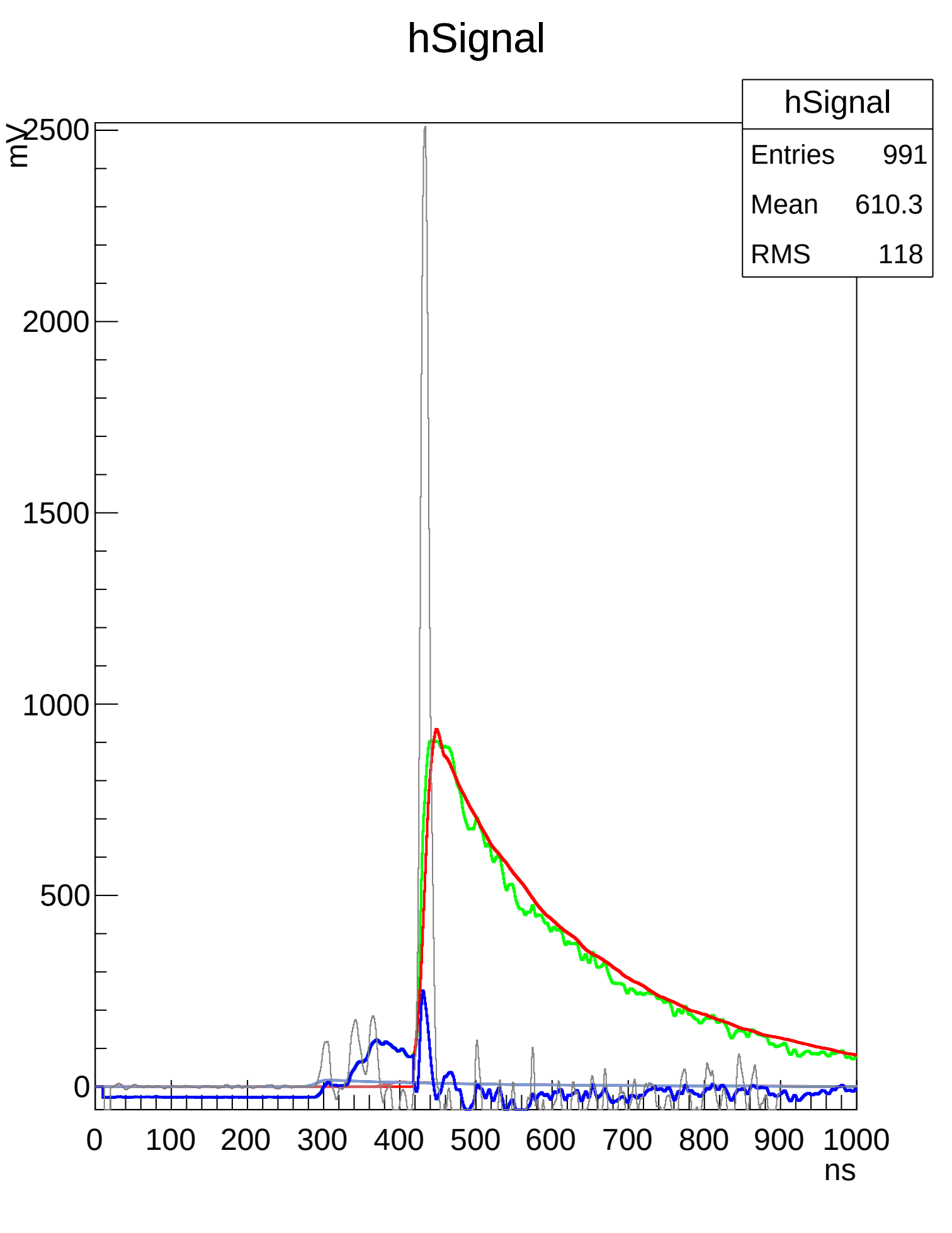

hSignal
hSignal
Entries 991
Mean 593.7
RMS 152.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

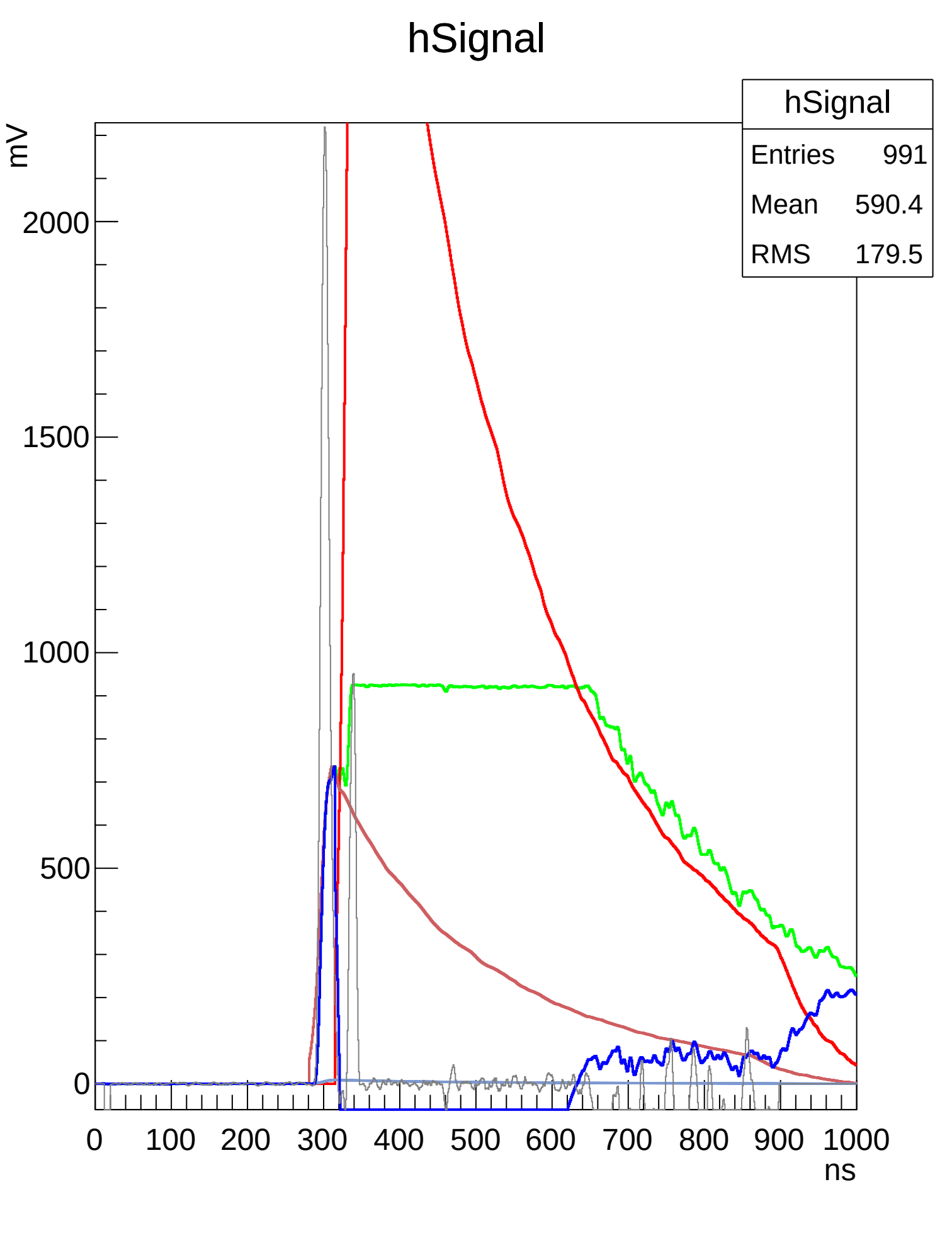

hSignal
hSignal
Entries 991
Mean 552.7
RMS 170.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

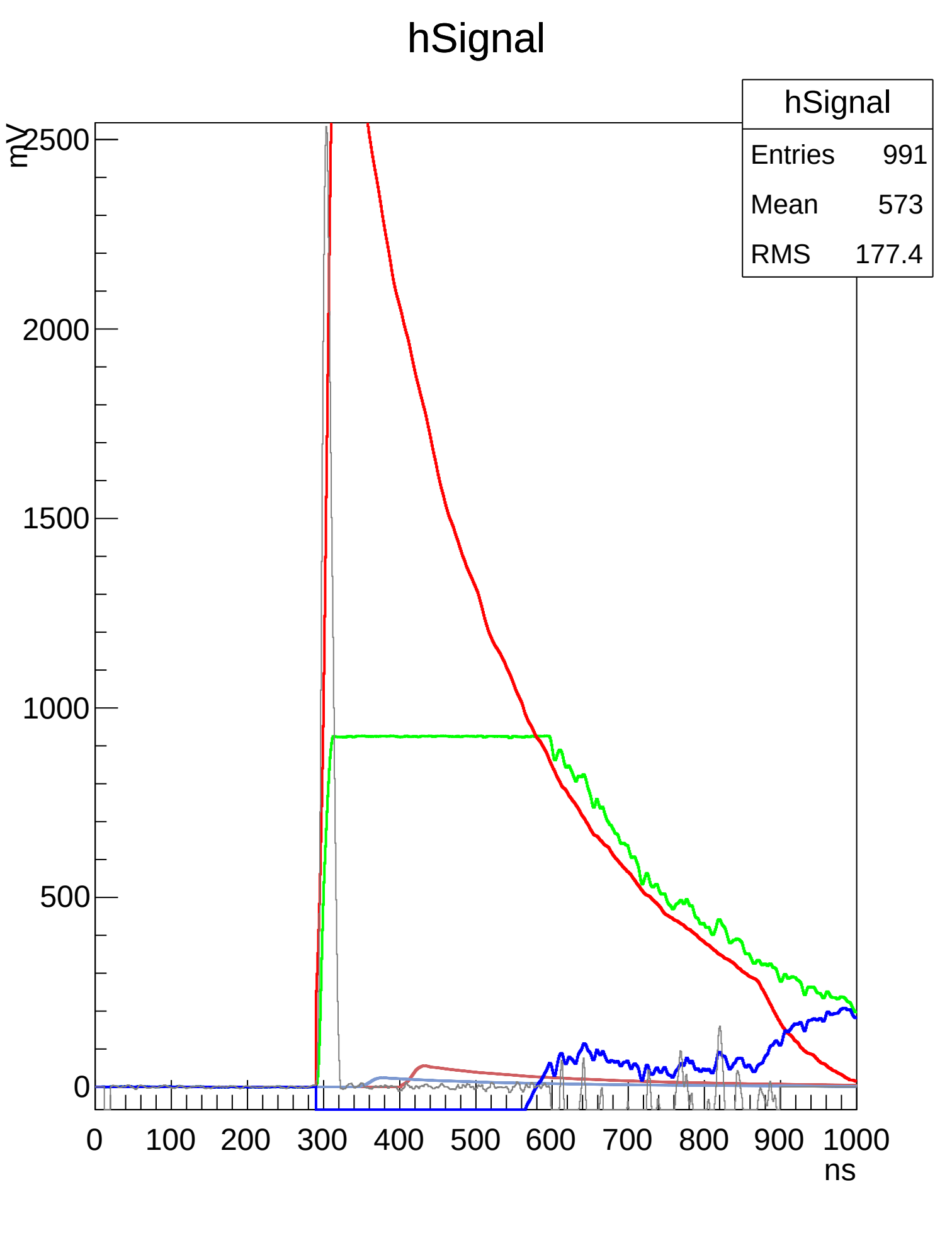

hSignal
hSignal
Entries 991
Mean 533.7
RMS 175.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

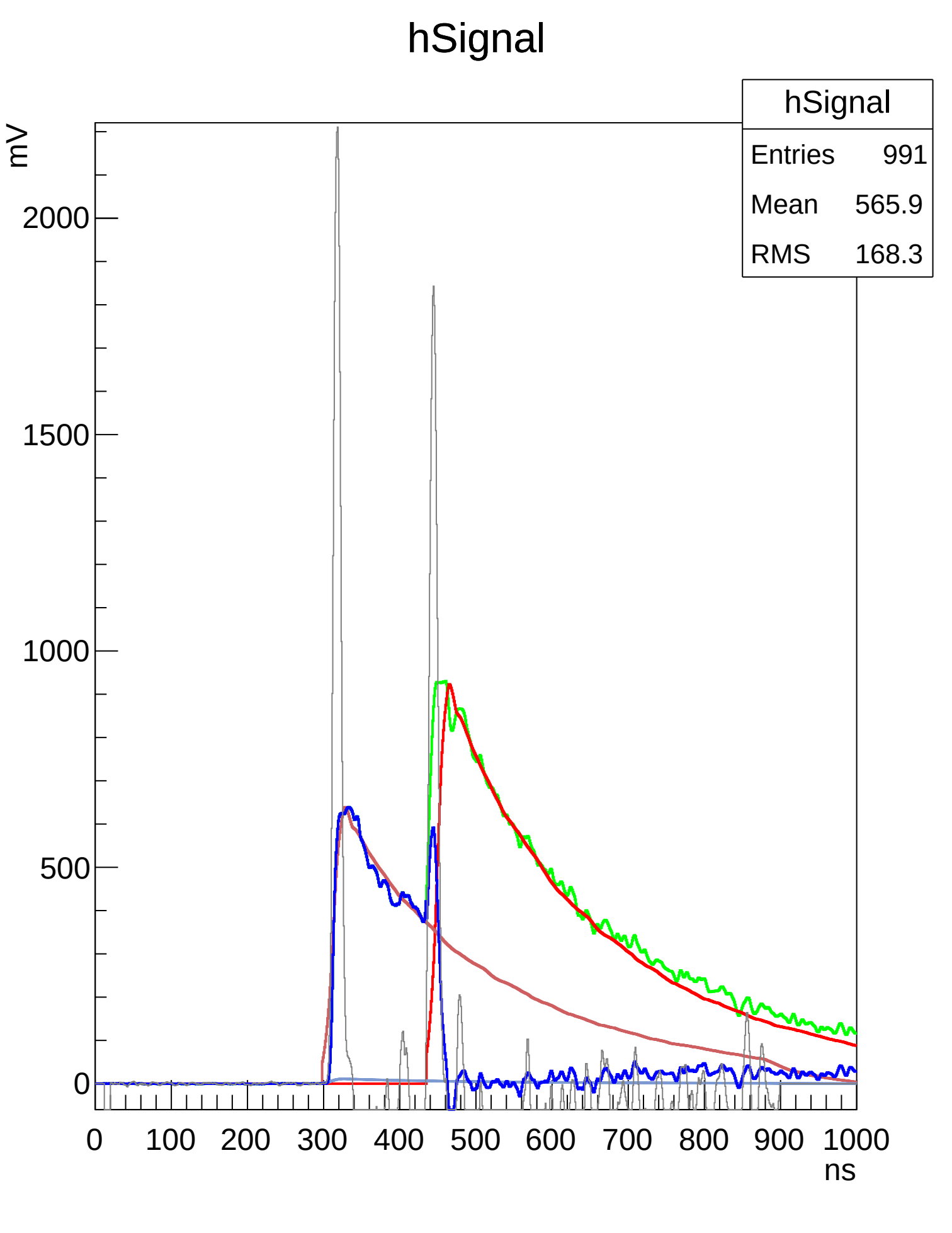

hSignal
hSignal
Entries 991
Mean 573.1
RMS 164.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

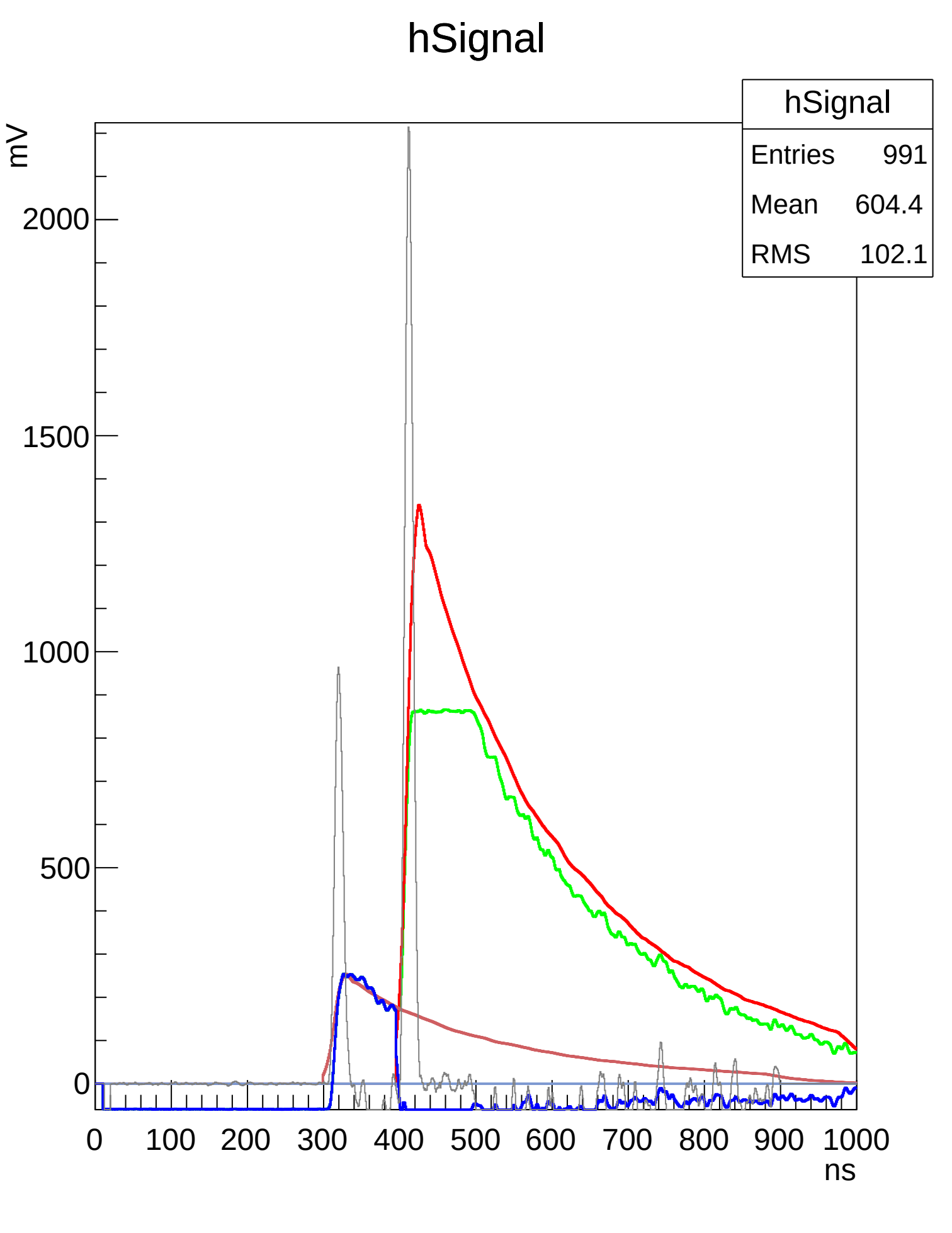

hSignal
hSignal
Entries 991
Mean 647.2
RMS 151.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

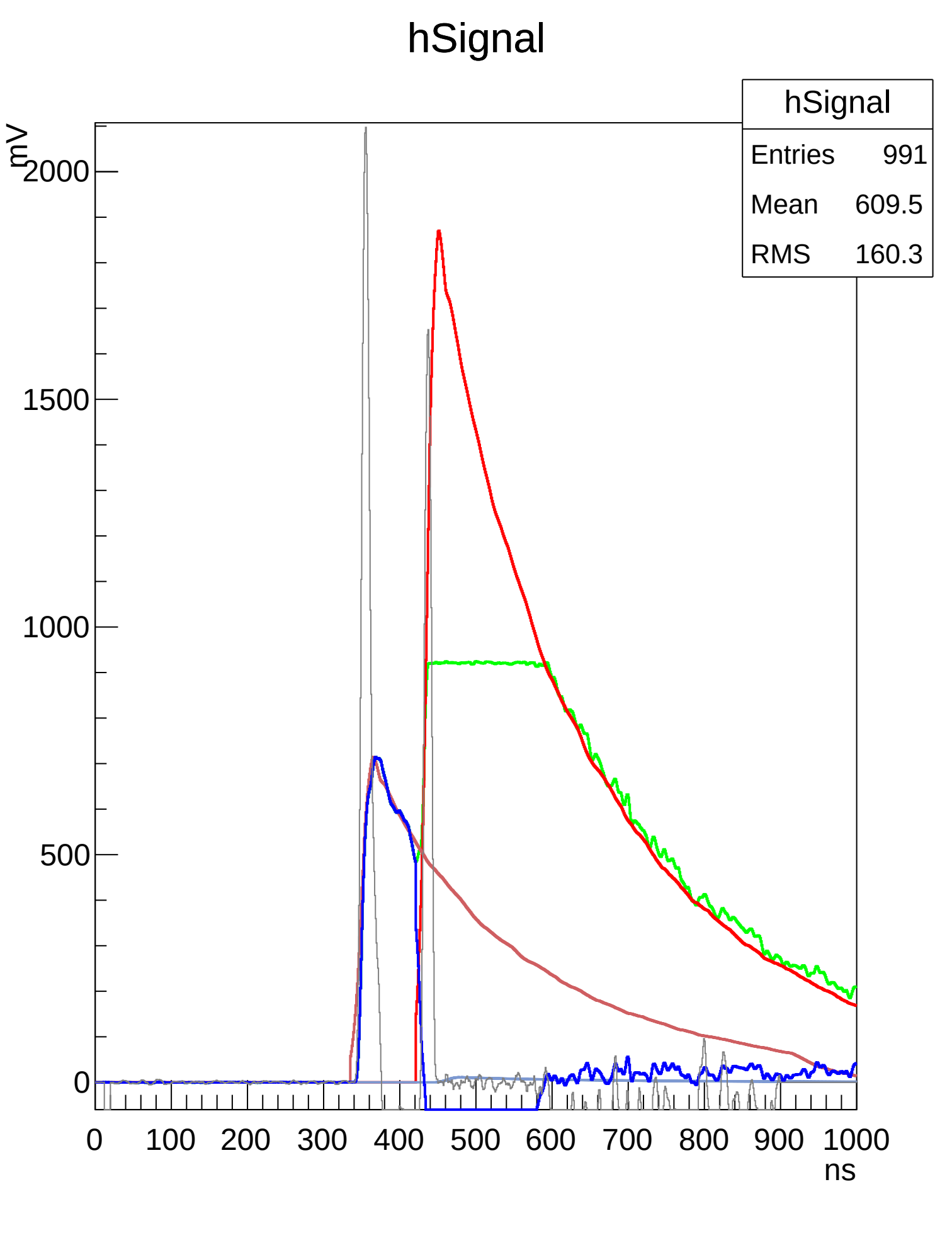

hSignal
hSignal
Entries 991
Mean 610.3
RMS 118
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

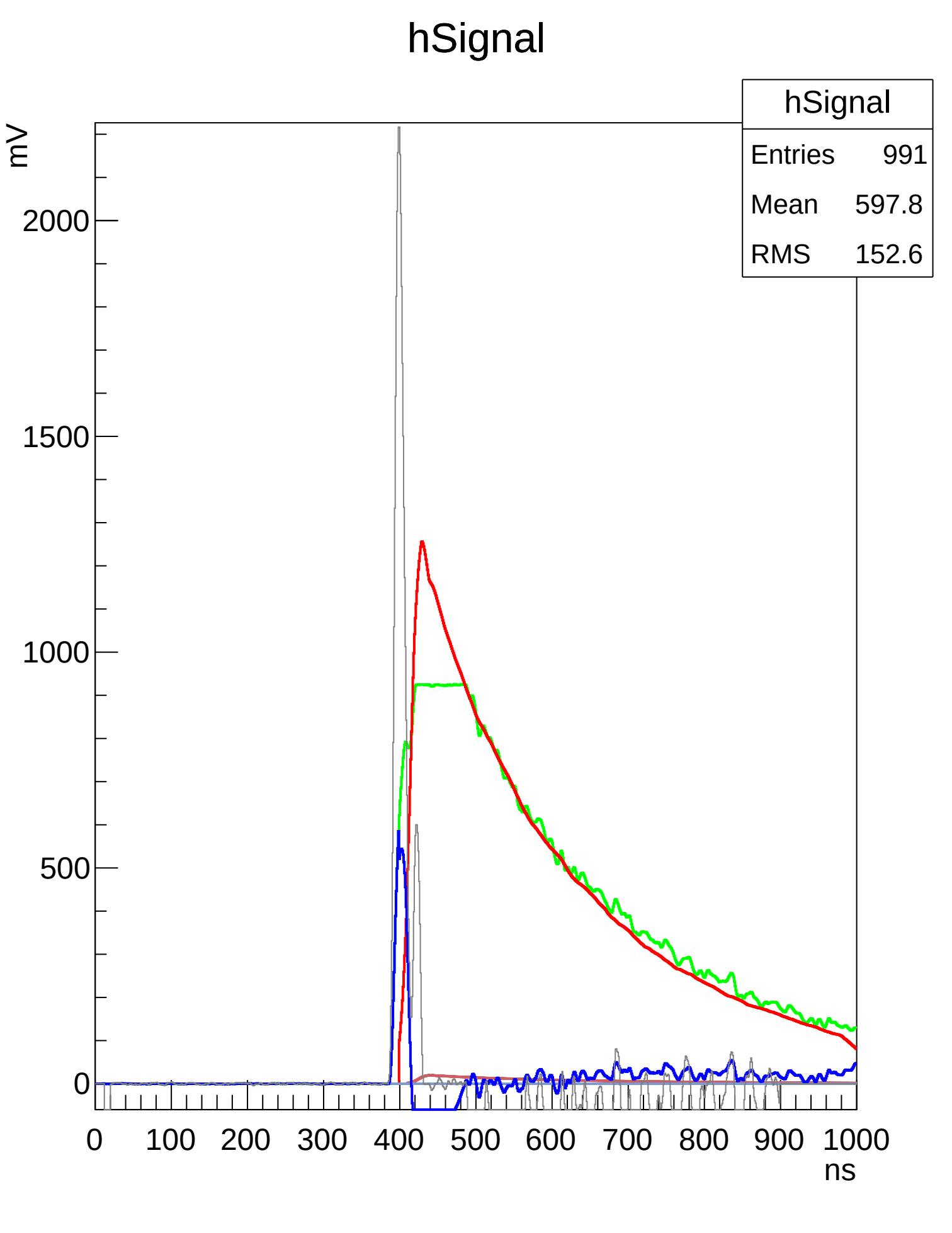

hSignal
hSignal
Entries 991
Mean 590.4
RMS 179.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

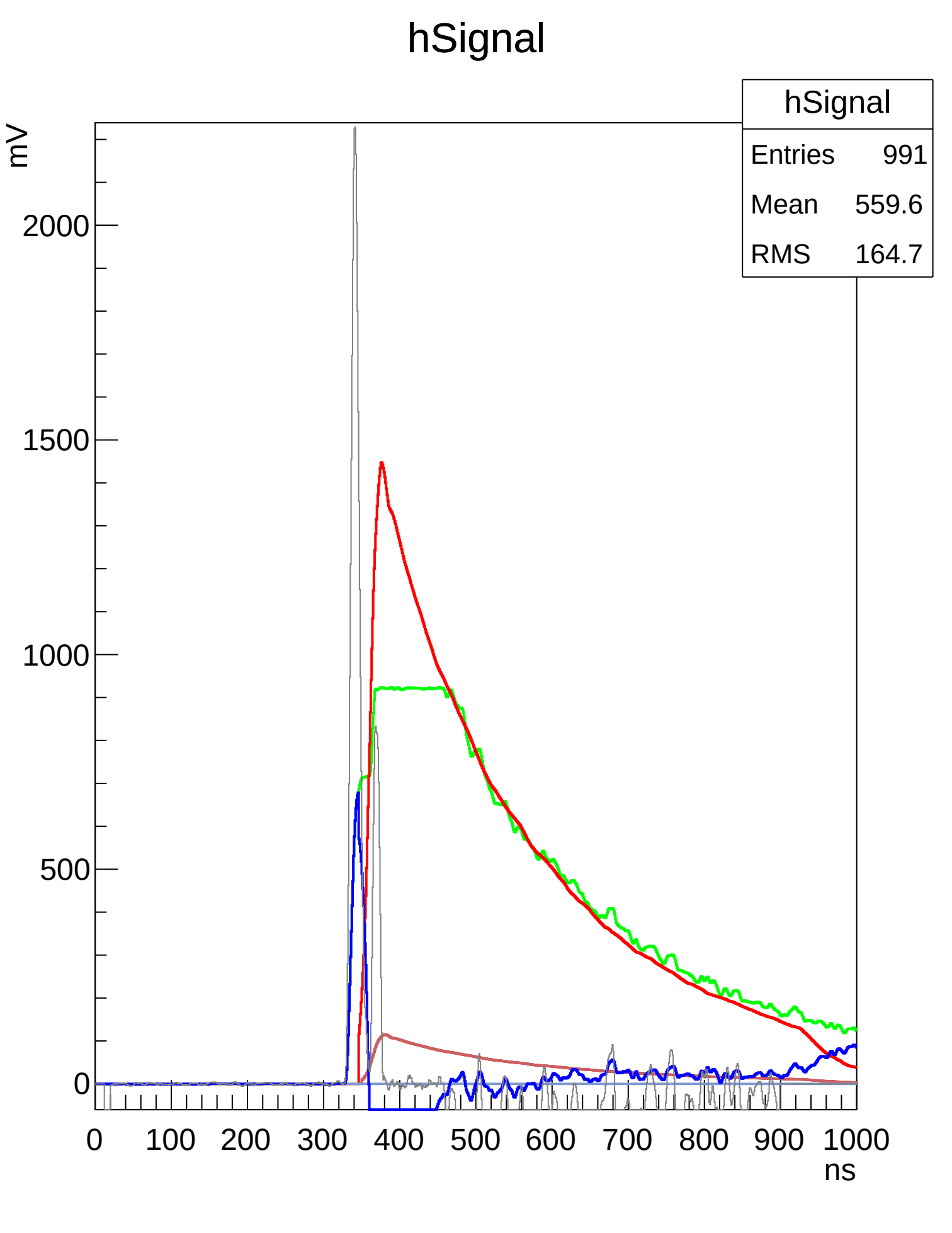

hSignal
hSignal
Entries 991
Mean 573
RMS 177.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

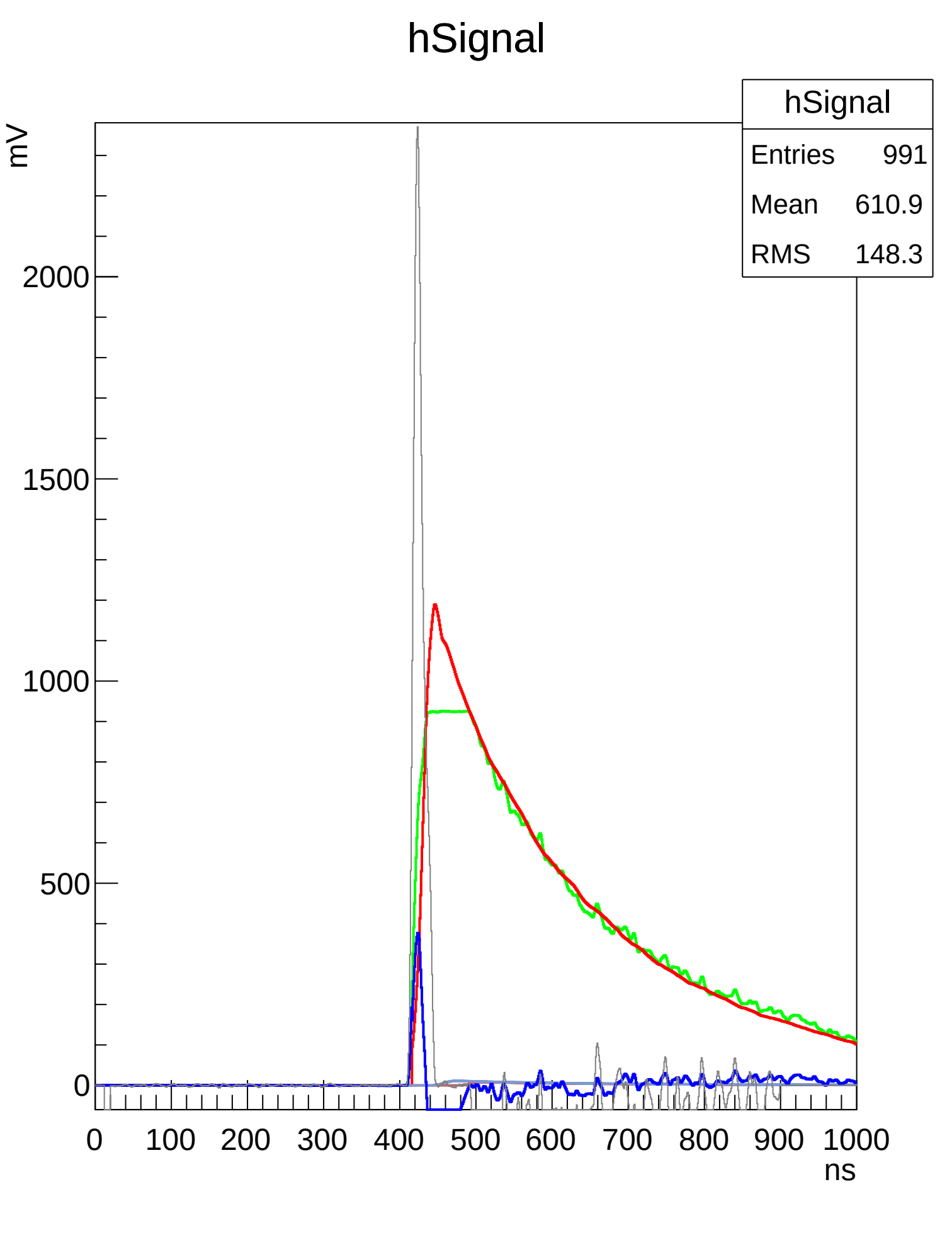

hSignal
hSignal
Entries 991
Mean 565.9
RMS 168.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

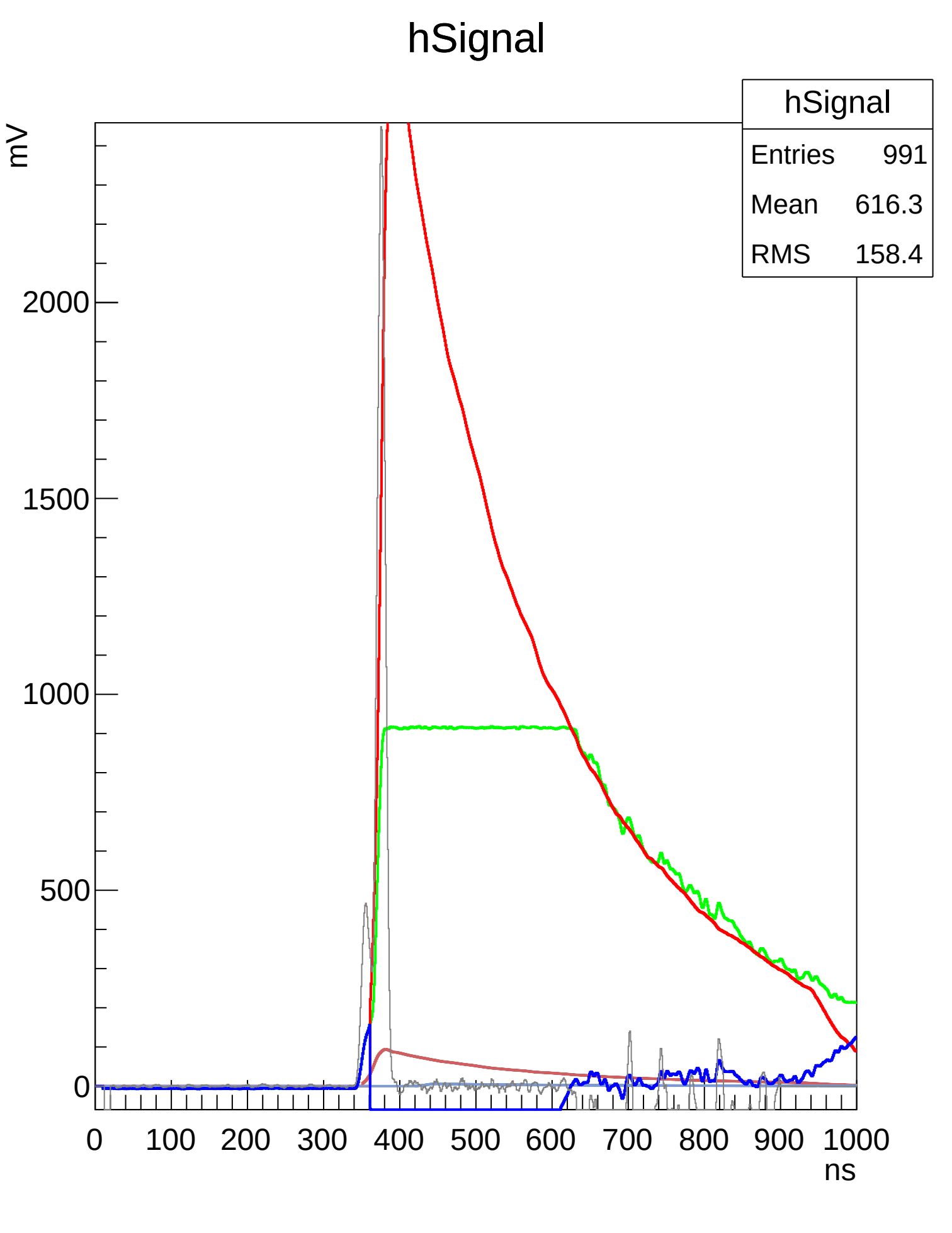

hSignal
hSignal
Entries 991
Mean 604.4
RMS 102.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

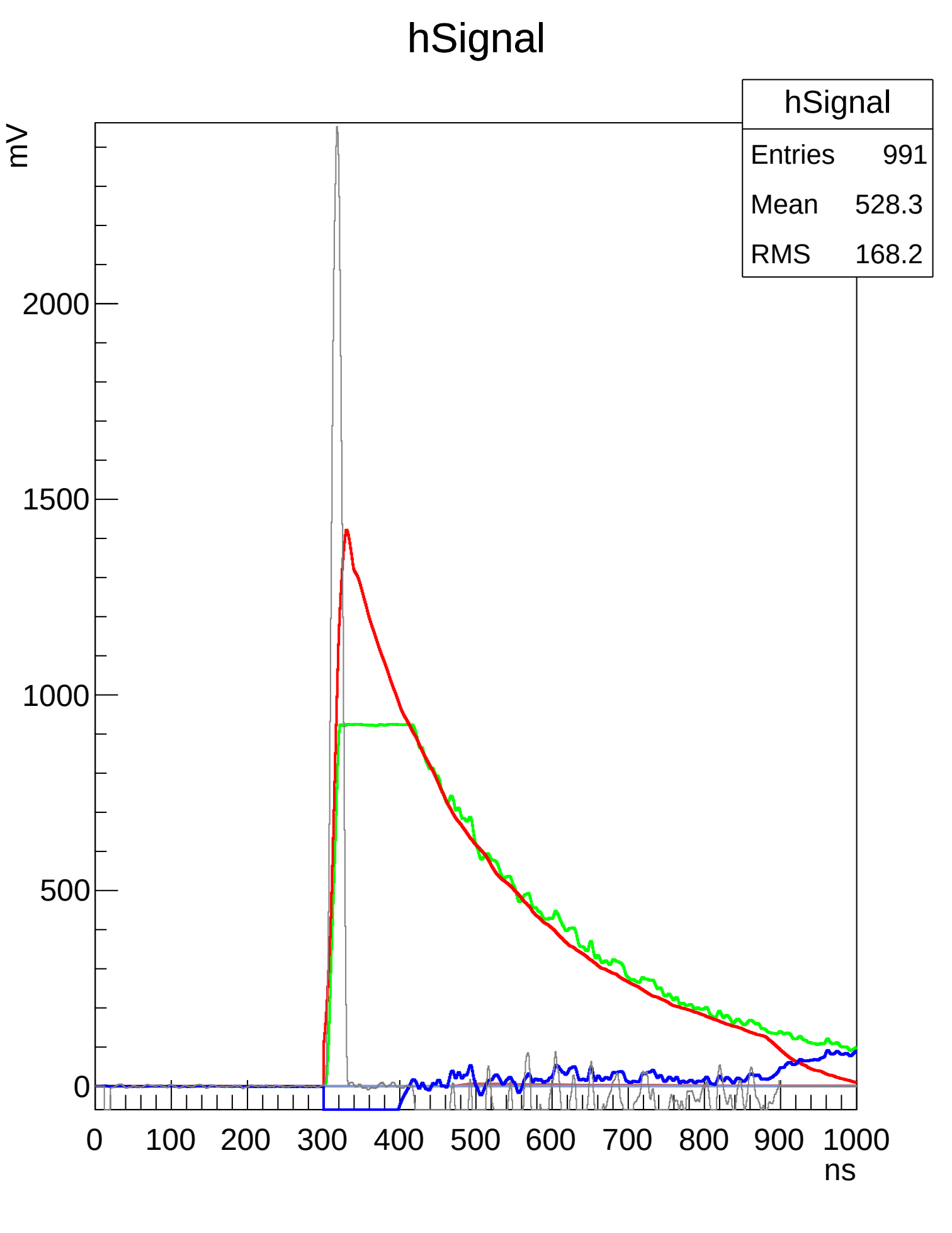

hSignal
hSignal
Entries 991
Mean 609.5
RMS 160.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

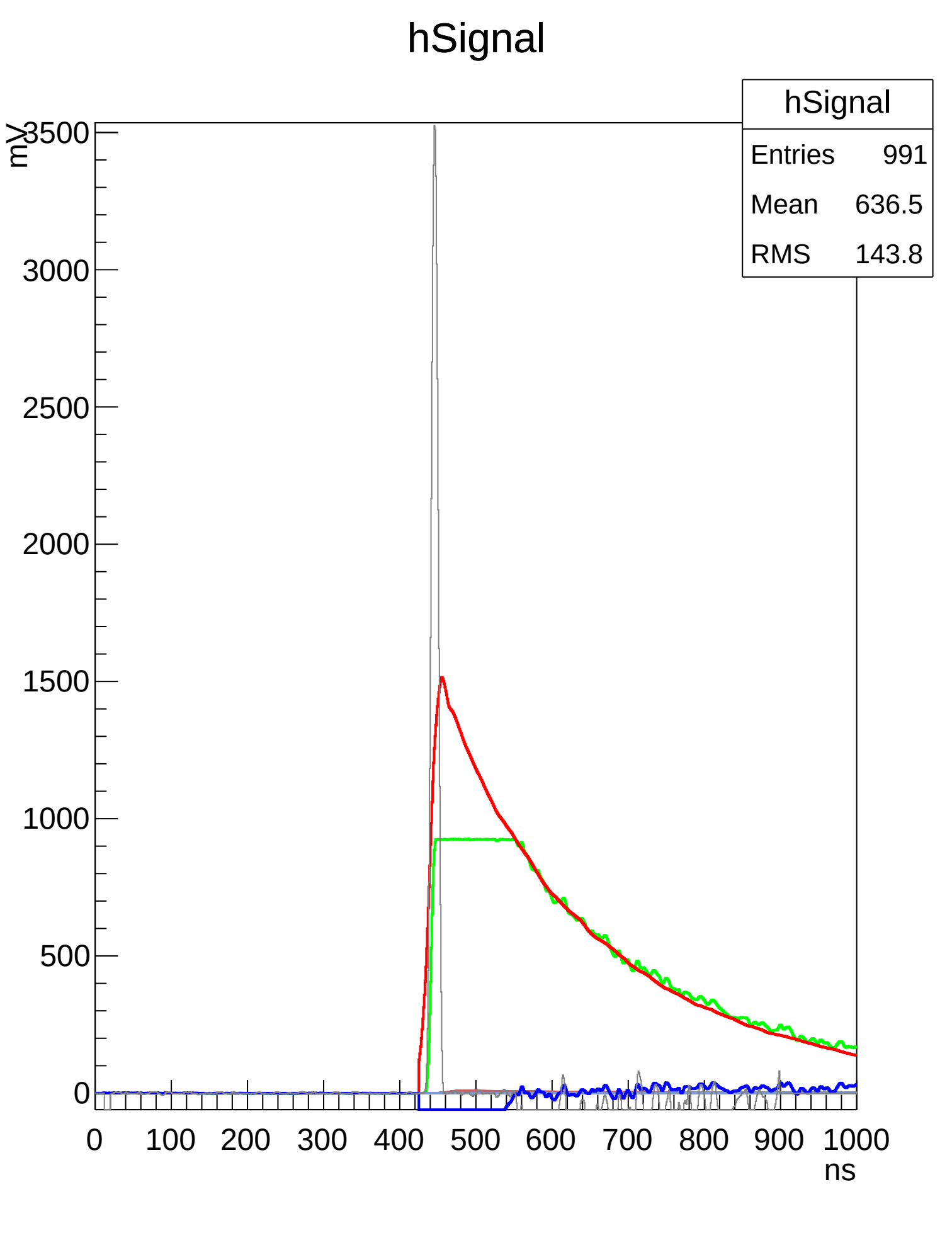

hSignal
hSignal
Entries 991
Mean 597.8
RMS 152.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

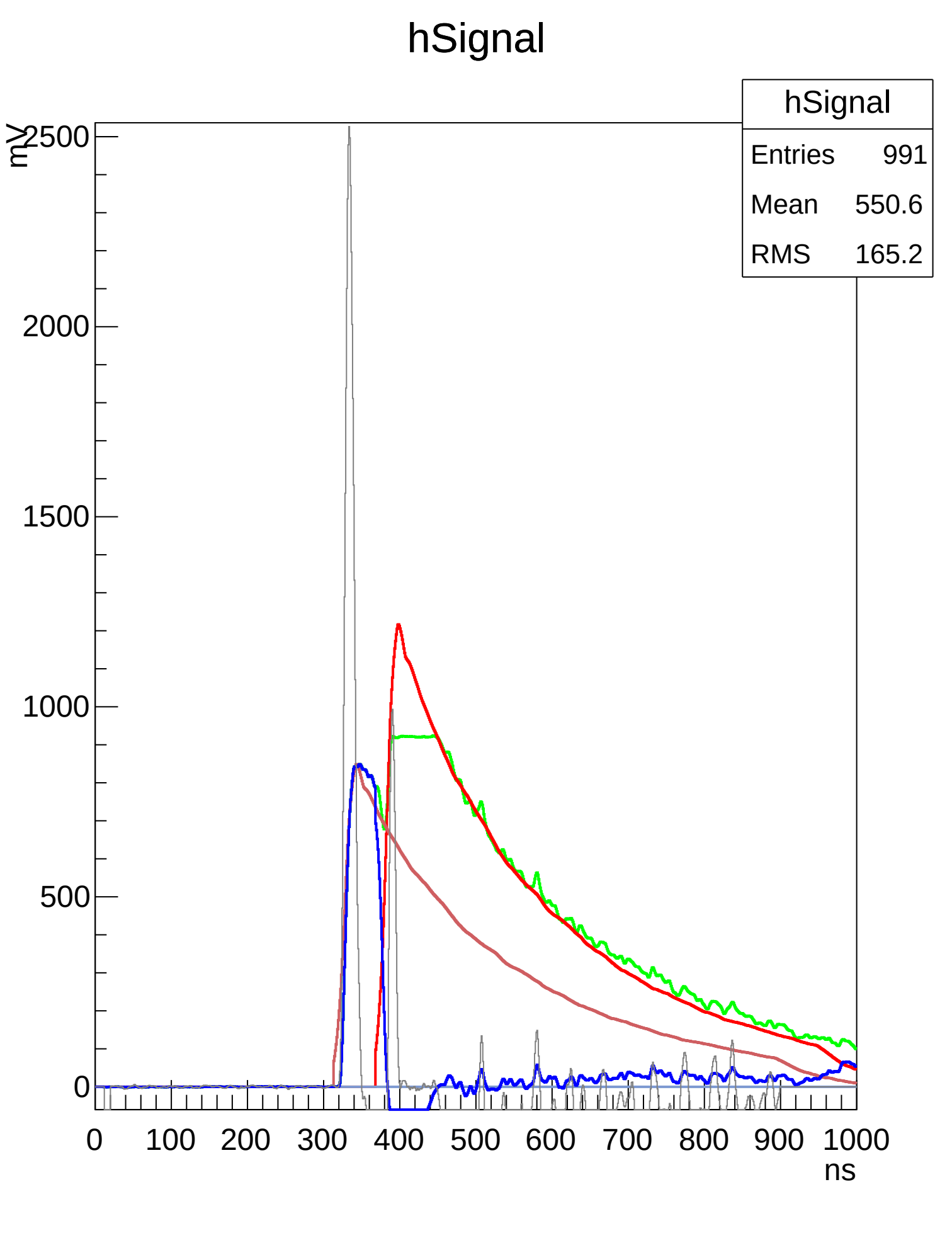

hSignal
hSignal
Entries 991
Mean 559.6
RMS 164.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

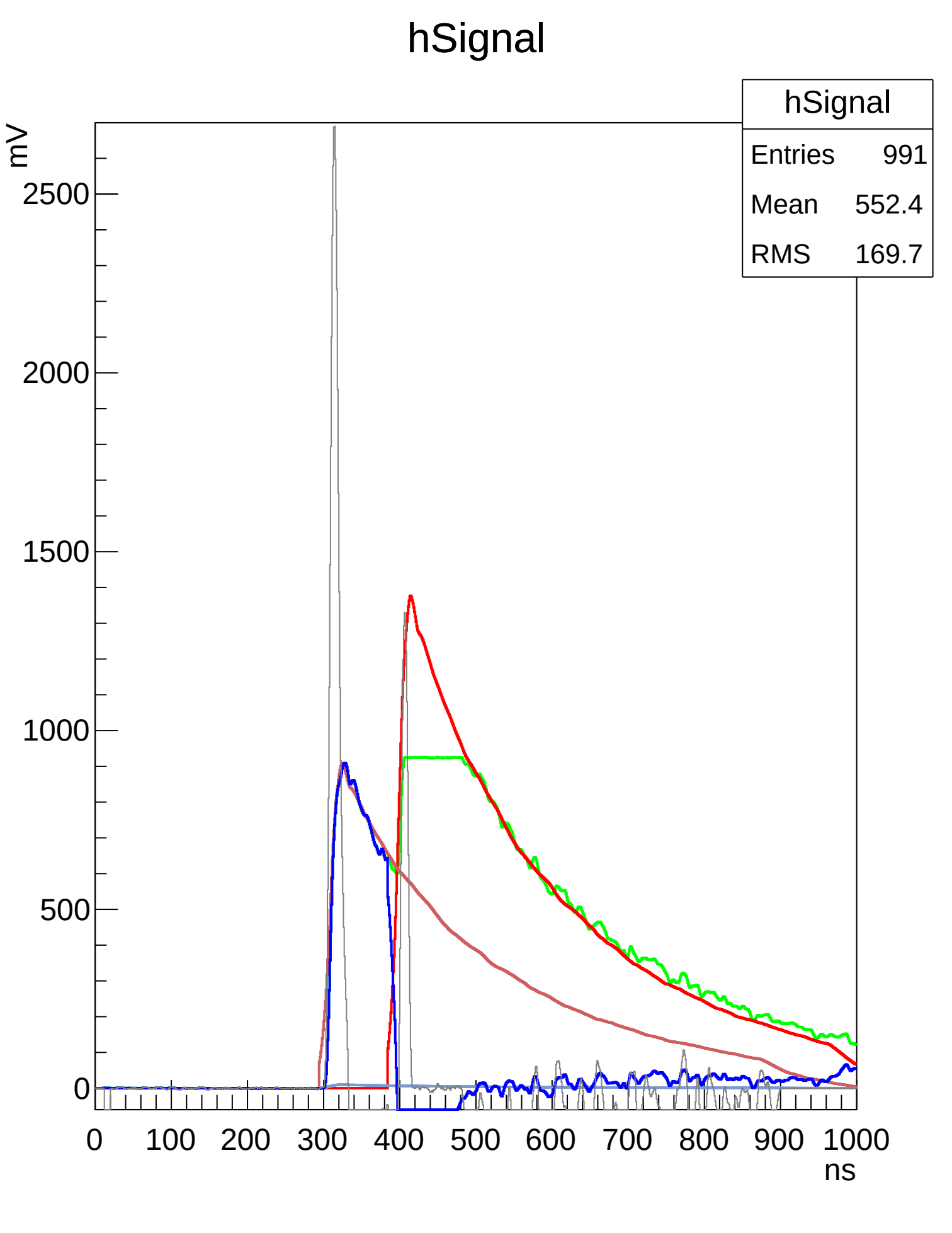

hSignal
hSignal
Entries 991
Mean 610.9
RMS 148.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

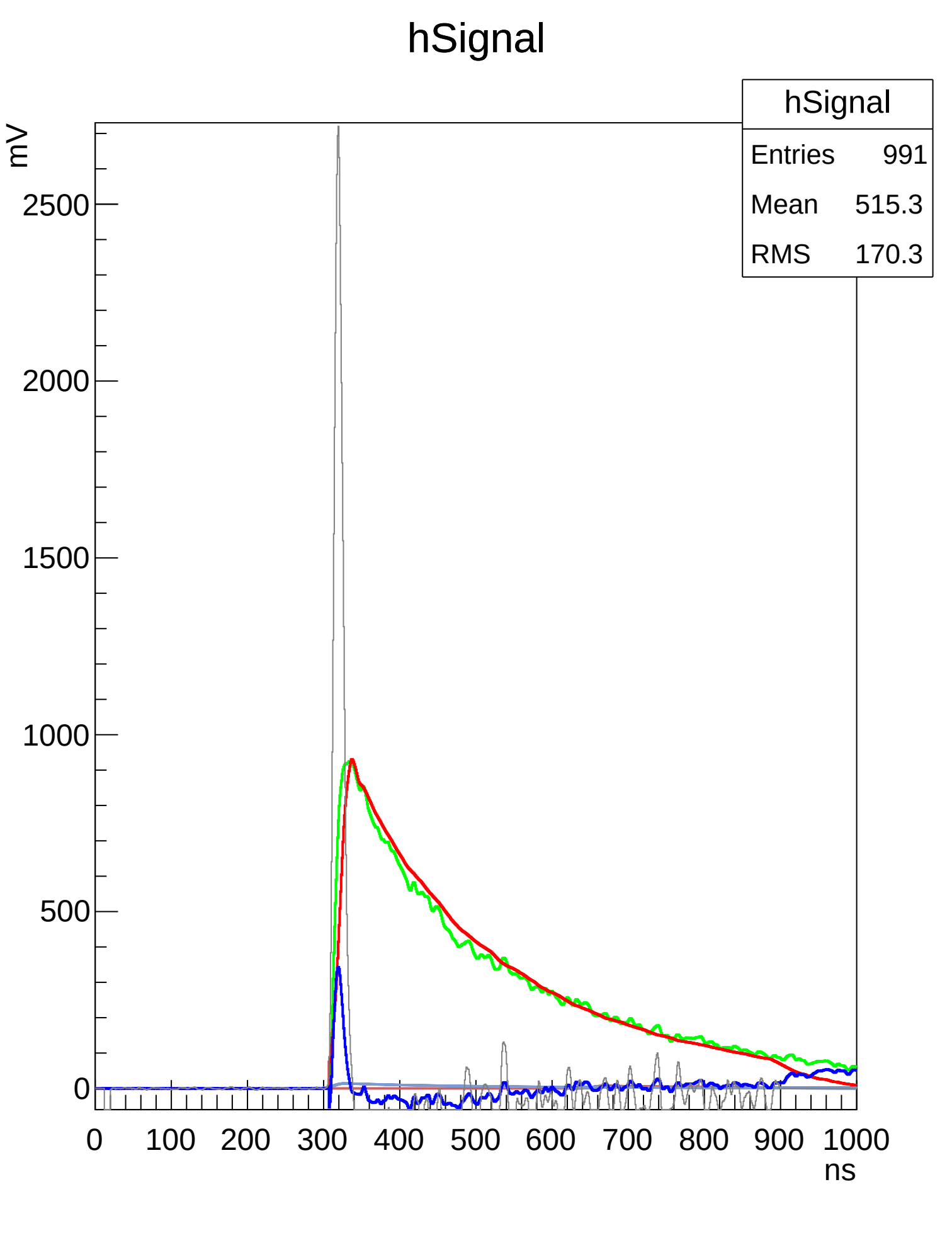

hSignal
hSignal
Entries 991
Mean 616.3
RMS 158.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

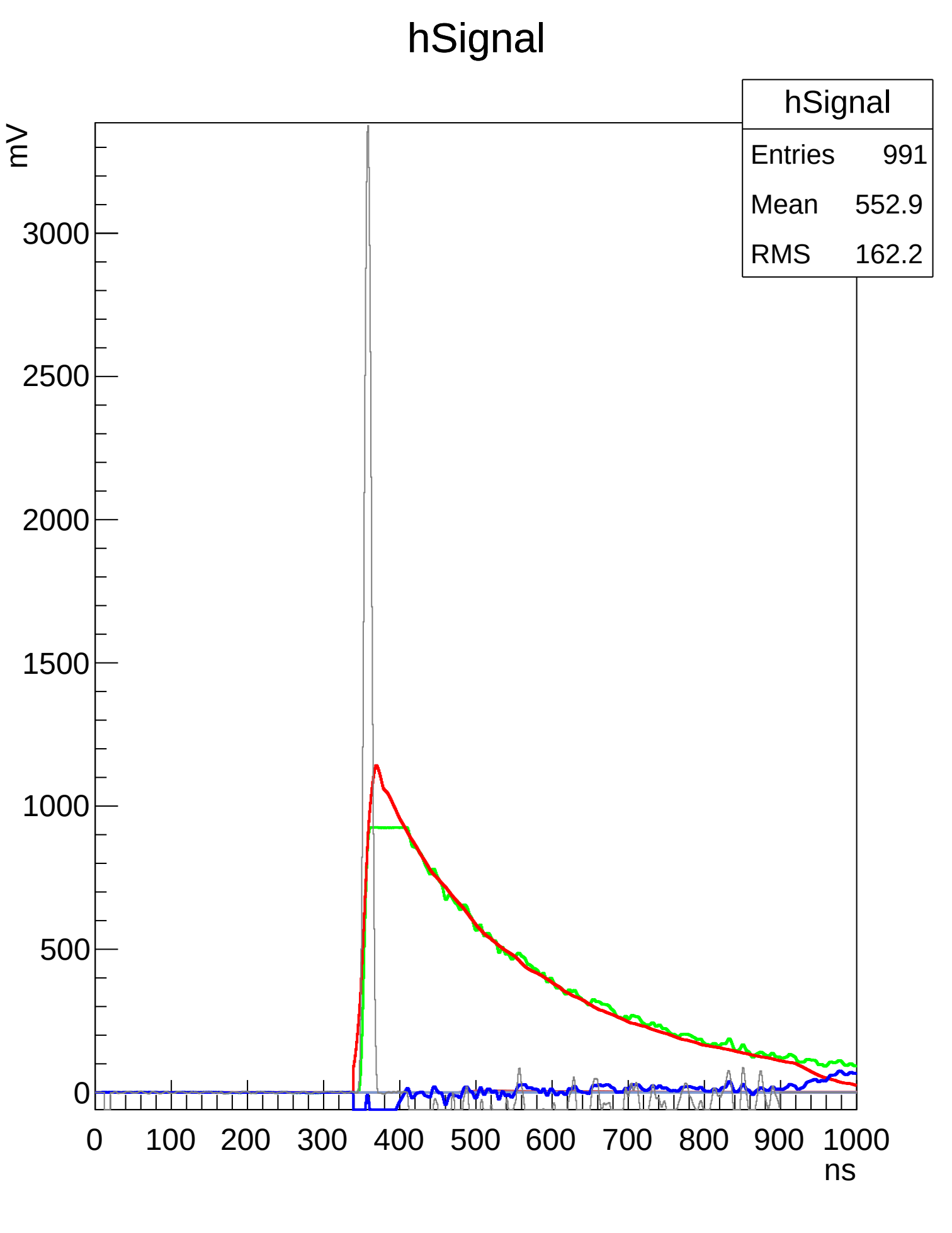

hSignal
hSignal
Entries 991
Mean 528.3
RMS 168.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

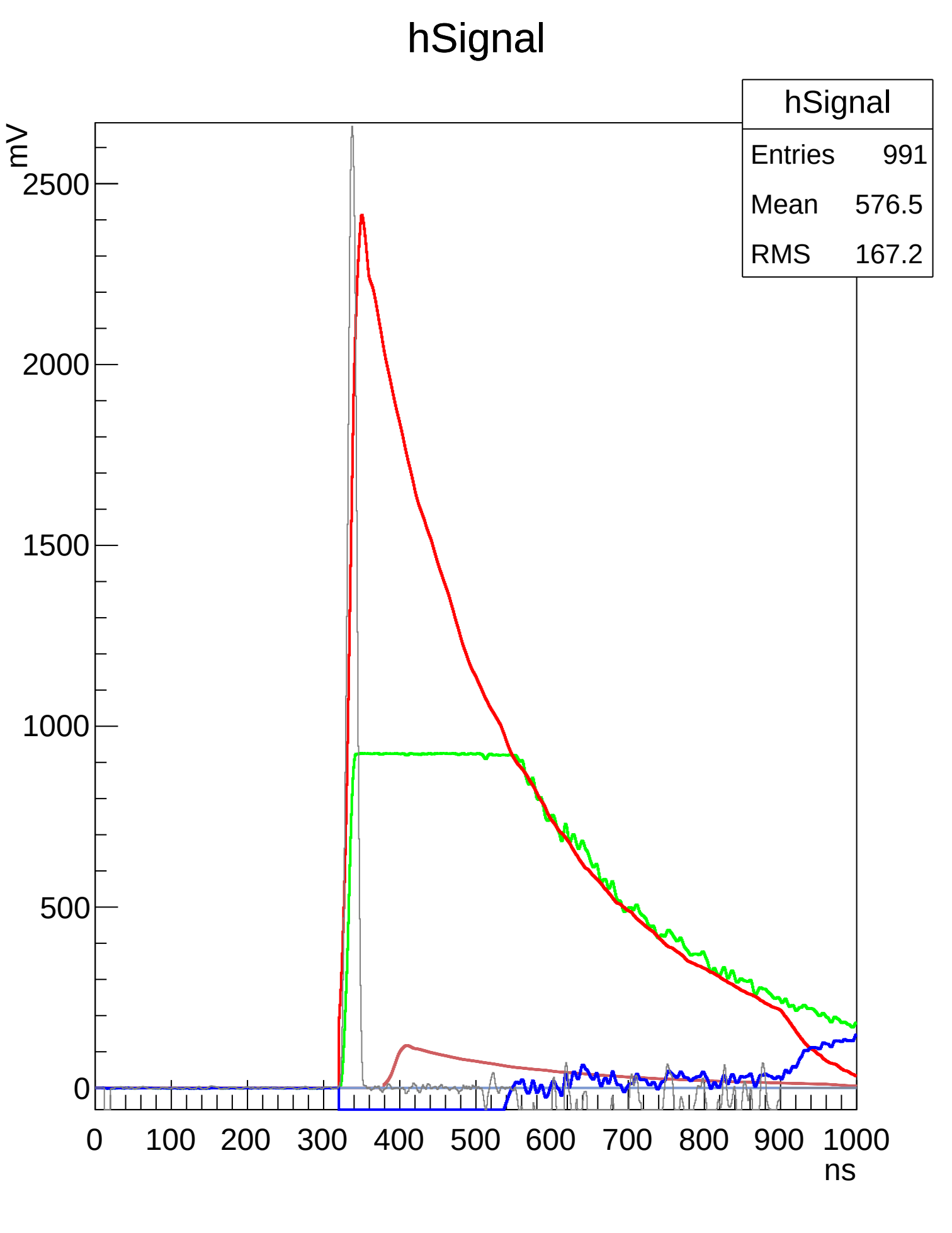

hSignal
hSignal
Entries 991
Mean 636.5
RMS 143.8
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

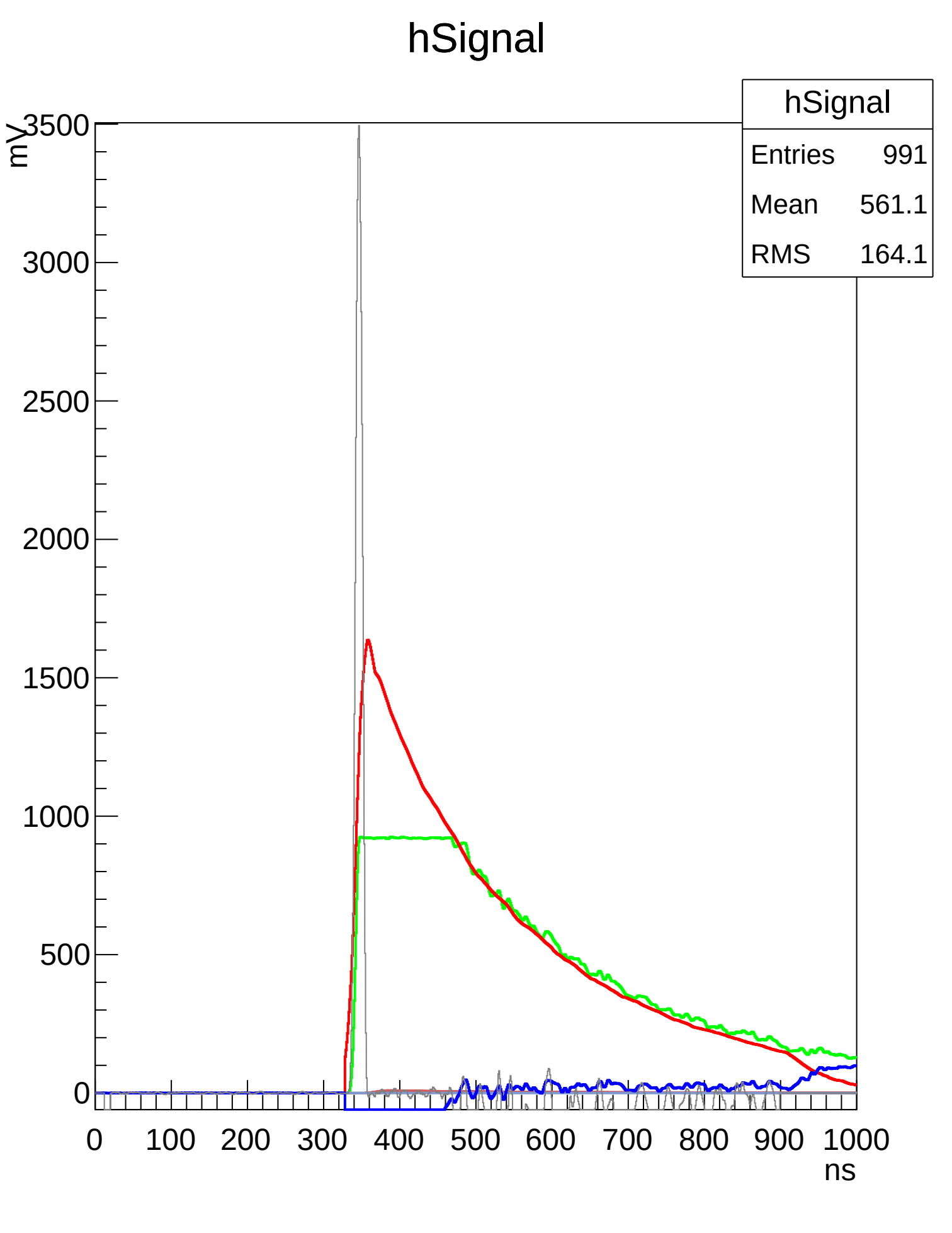

hSignal
hSignal
Entries 991
Mean 550.6
RMS 165.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

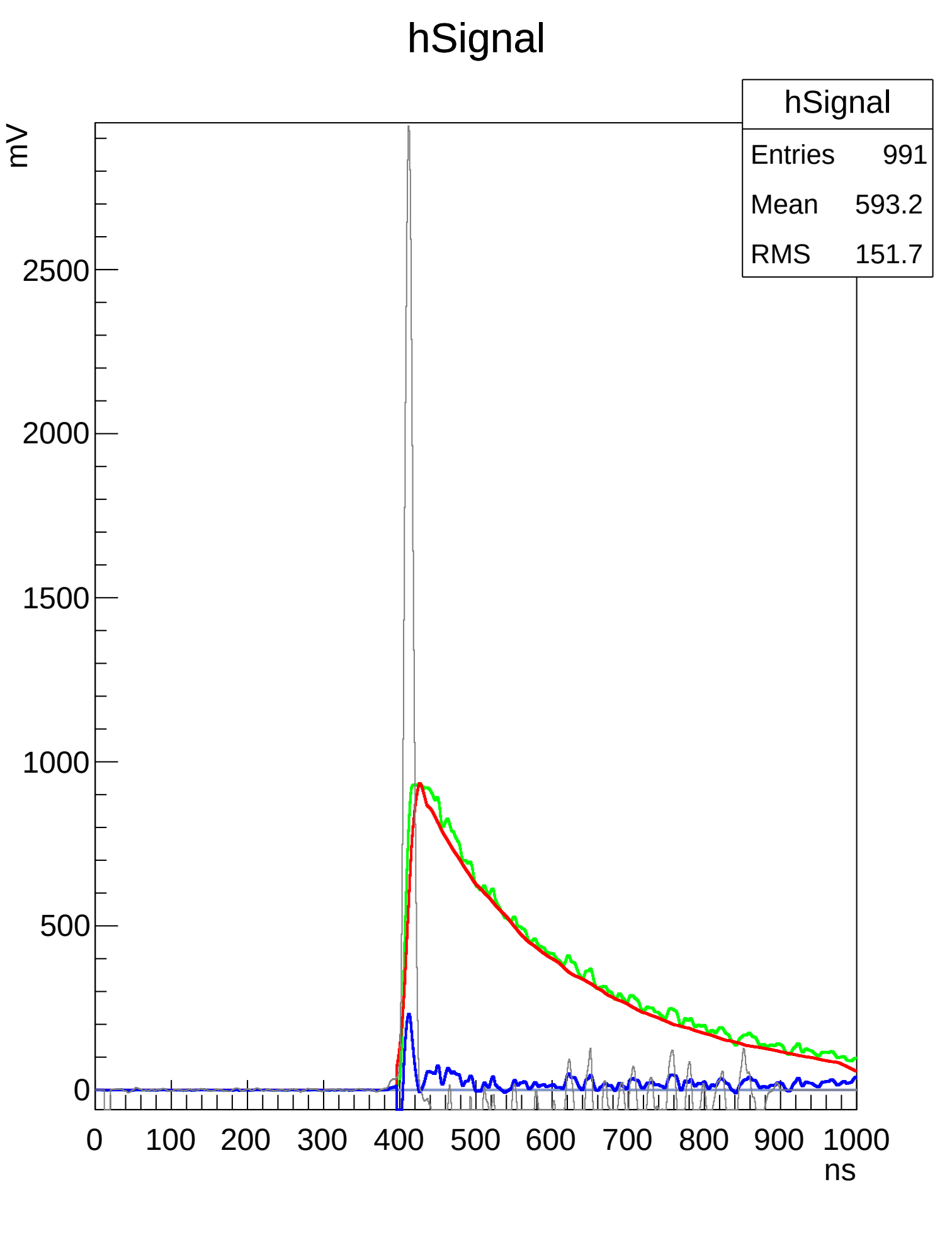

hSignal
hSignal
Entries 991
Mean 552.4
RMS 169.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

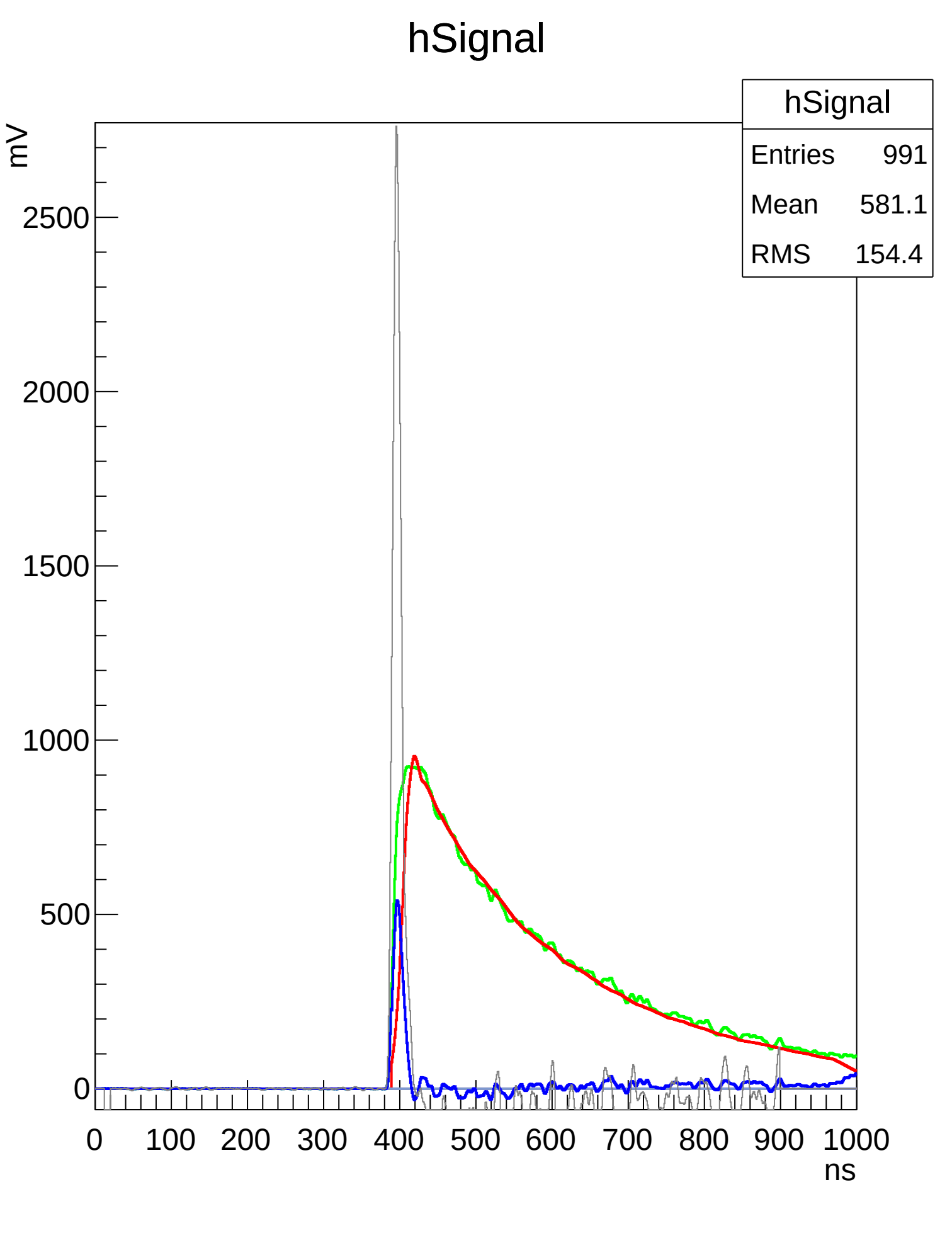

hSignal
hSignal
Entries 991
Mean 515.3
RMS 170.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

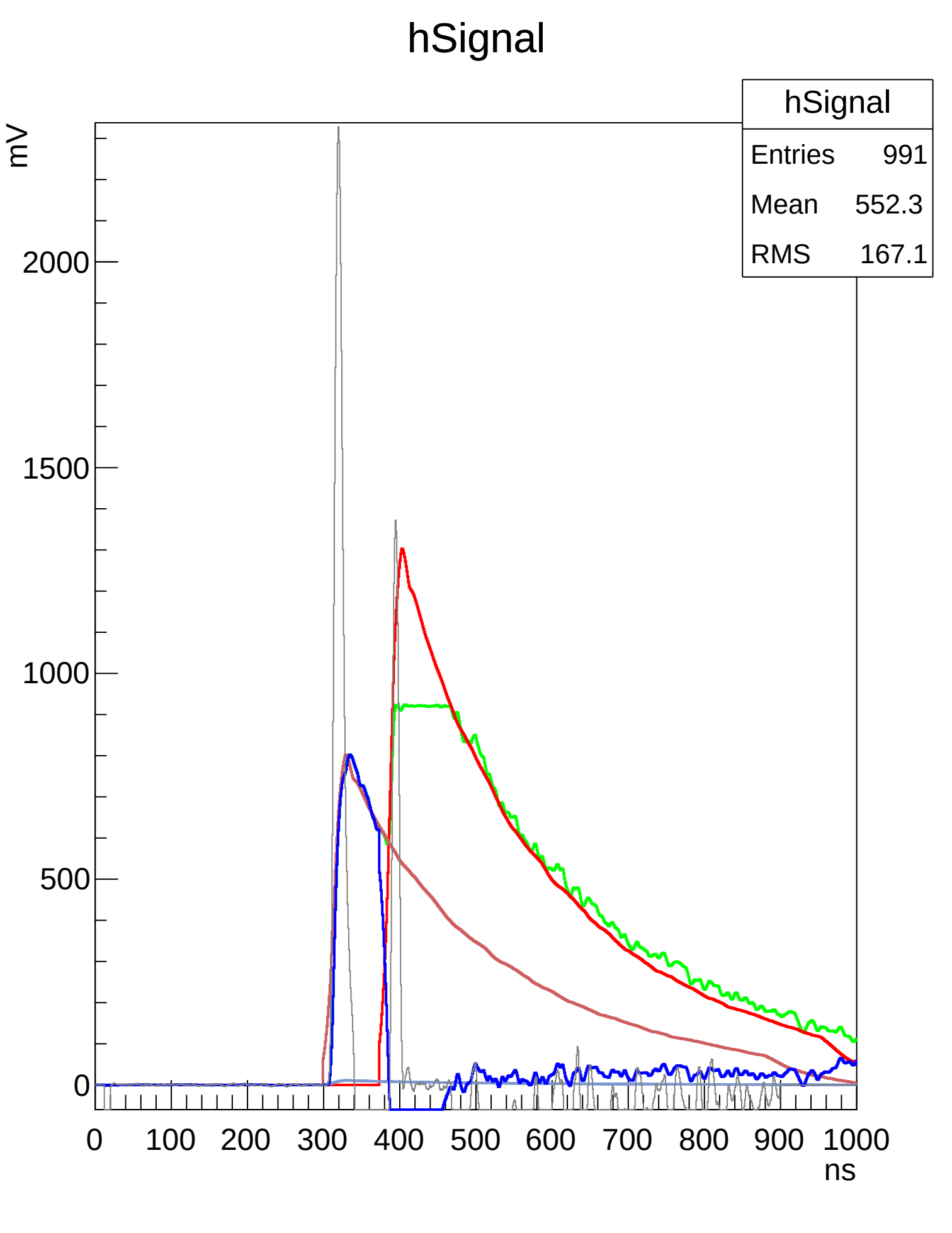

hSignal
hSignal
Entries 991
Mean 552.9
RMS 162.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

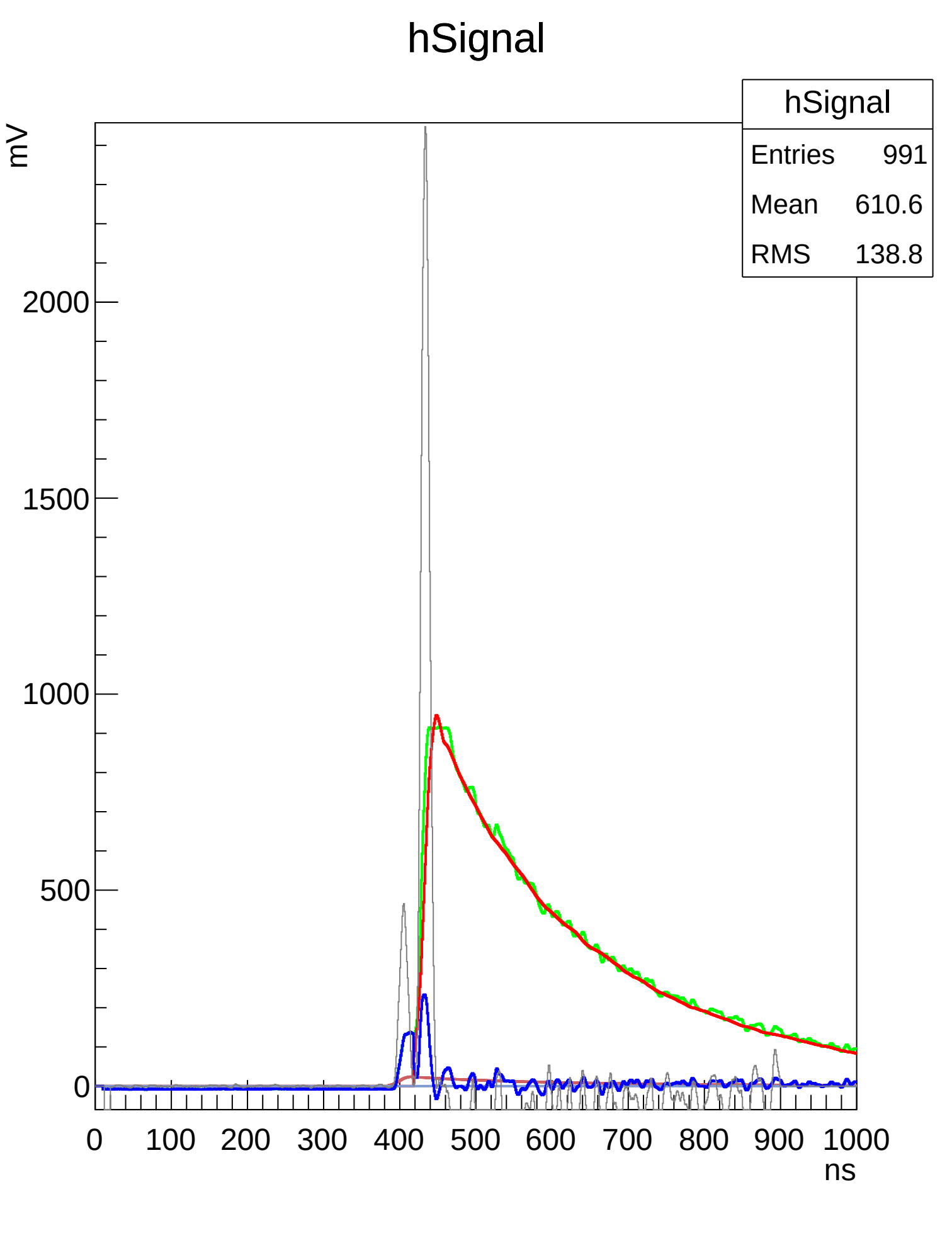

hSignal
hSignal
Entries 991
Mean 576.5
RMS 167.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

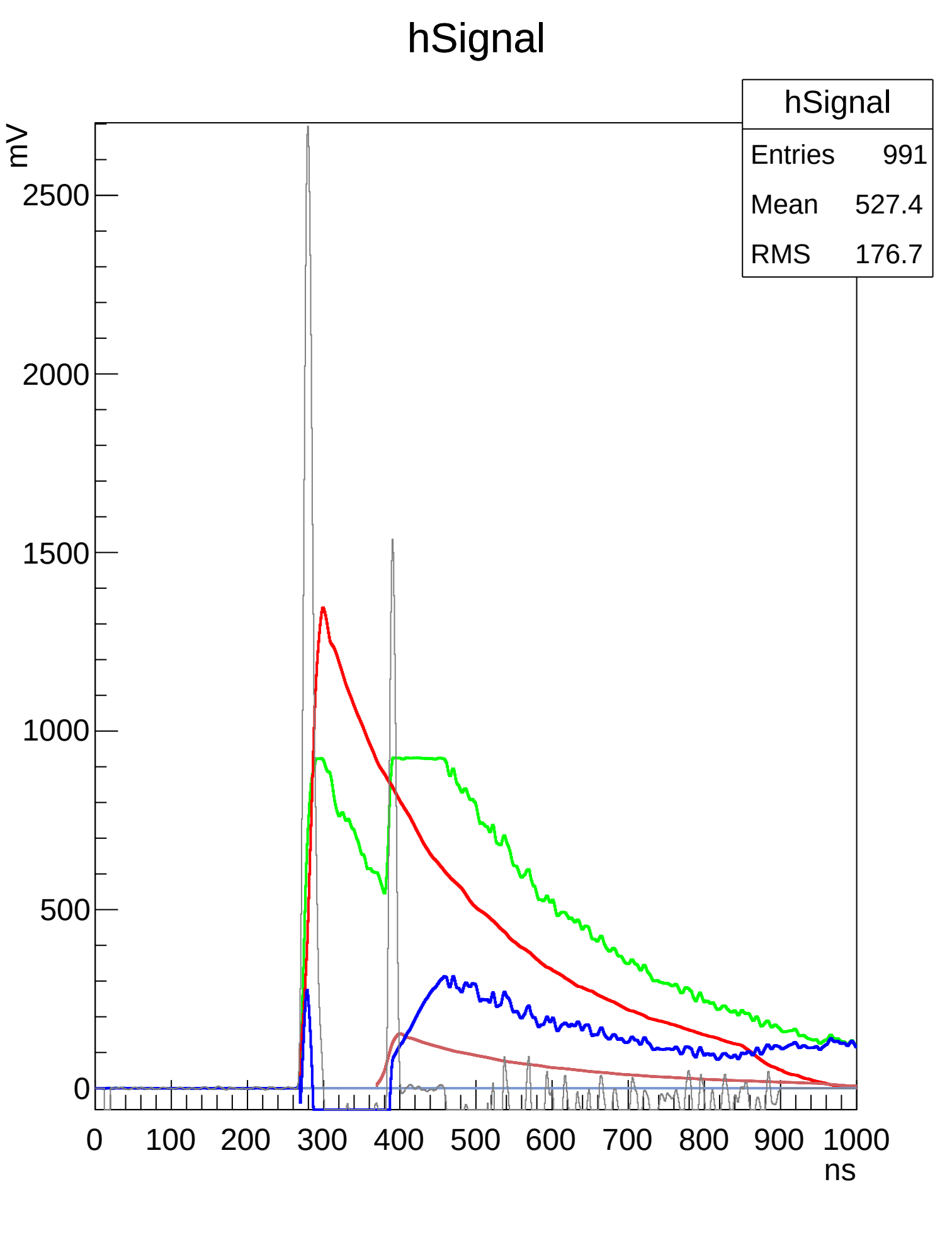

hSignal
hSignal
Entries 991
Mean 561.1
RMS 164.1
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

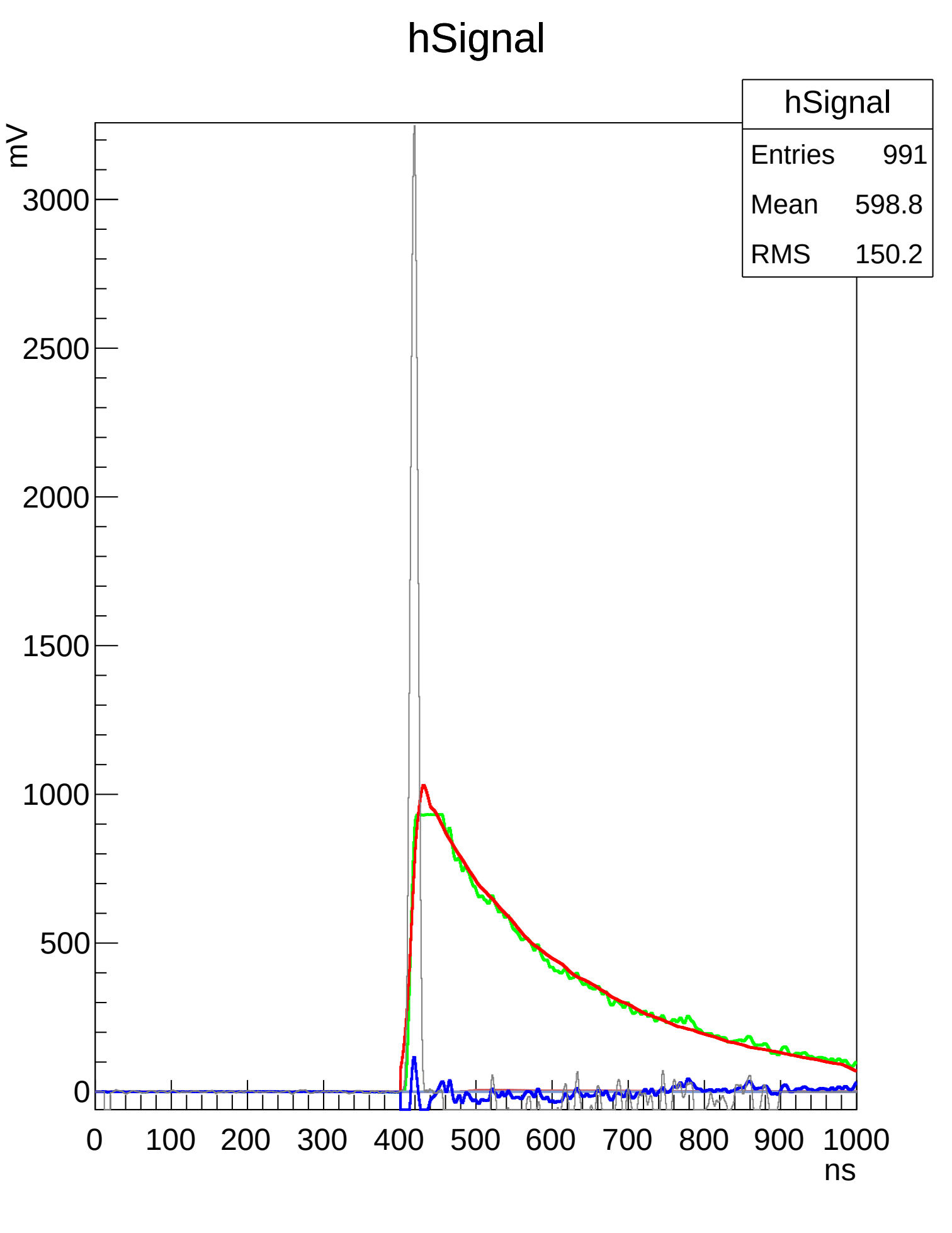

hSignal
hSignal
Entries 991
Mean 593.2
RMS 151.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

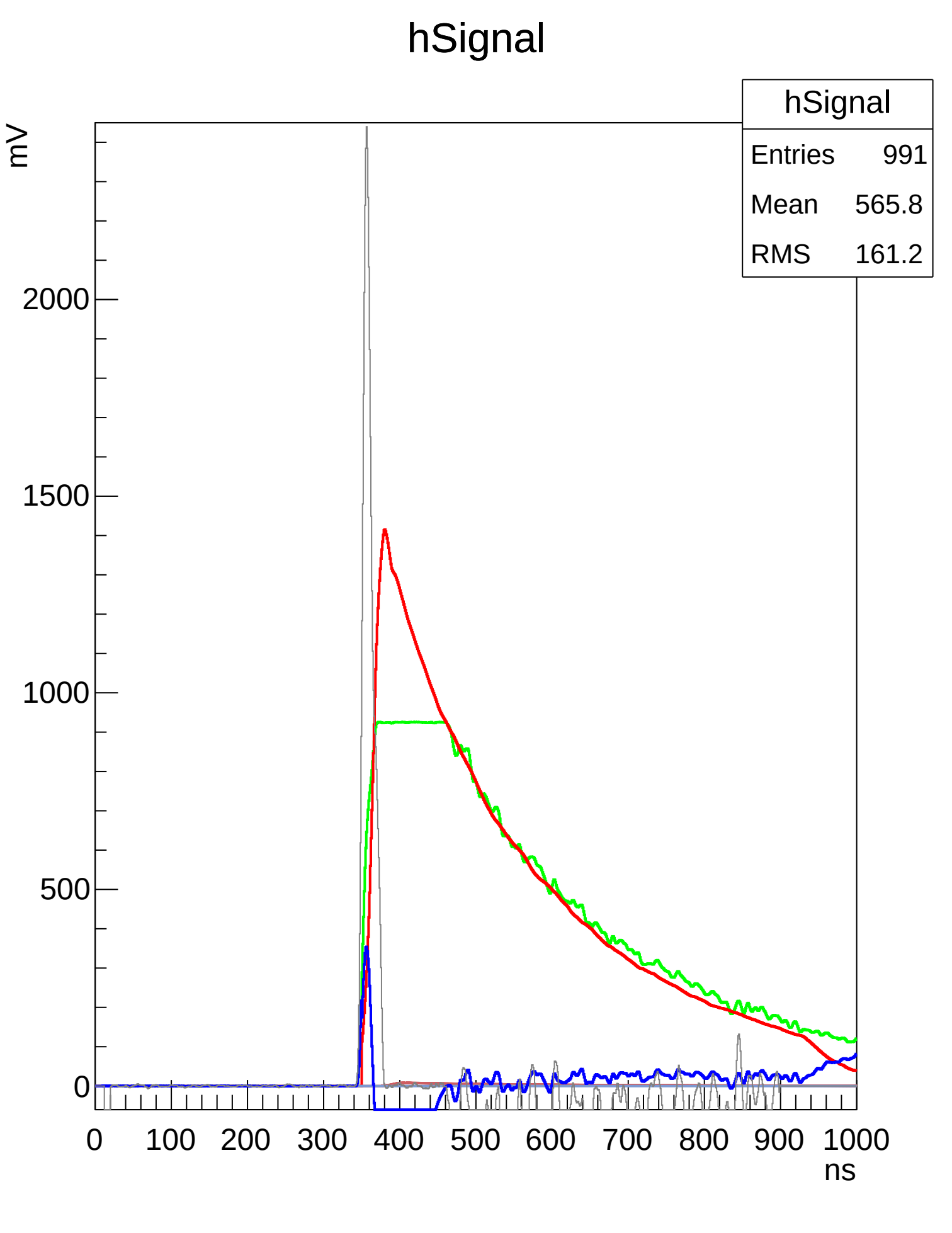

hSignal
hSignal
Entries 991
Mean 581.1
RMS 154.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

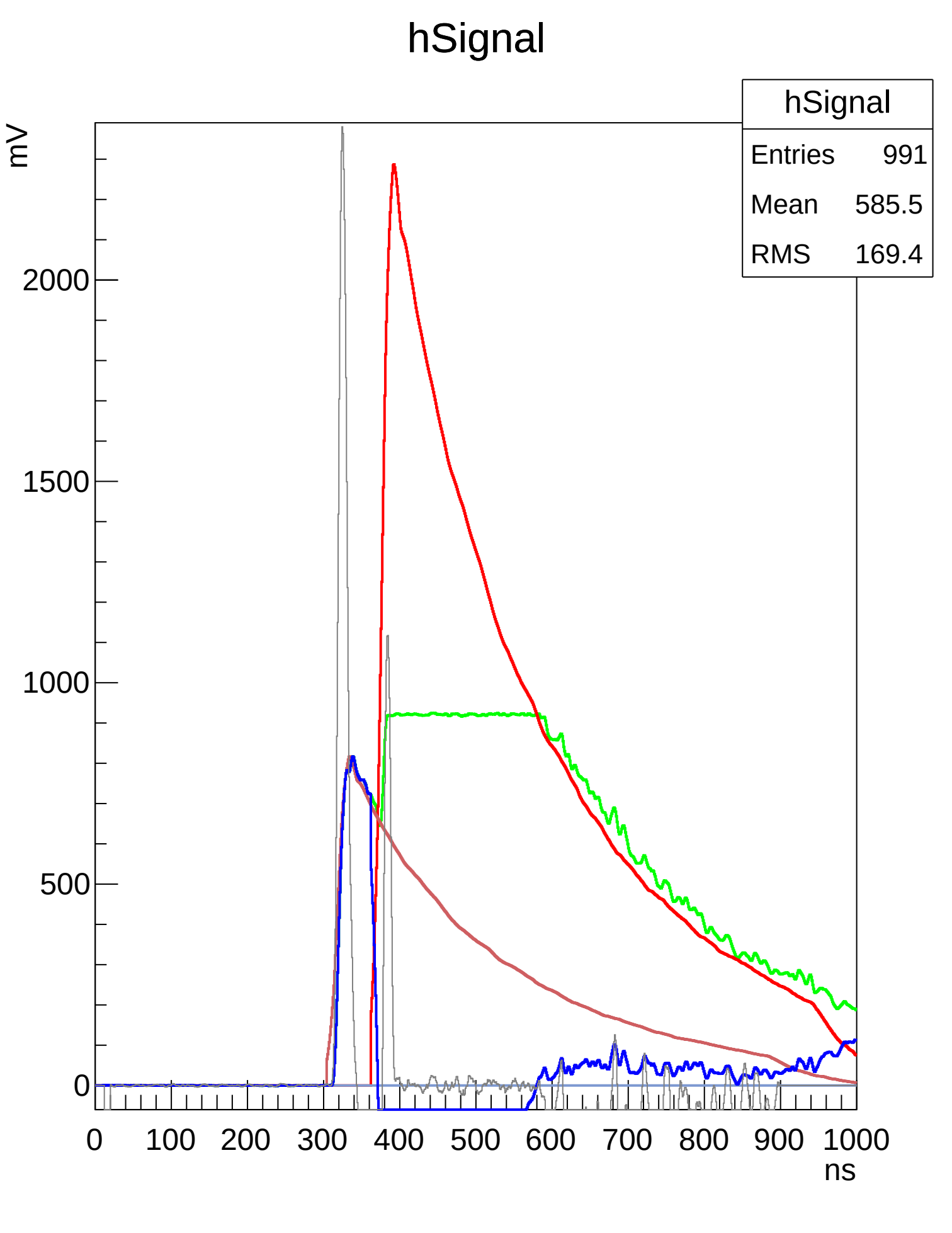

hSignal
hSignal
Entries 991
Mean 552.3
RMS 167.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

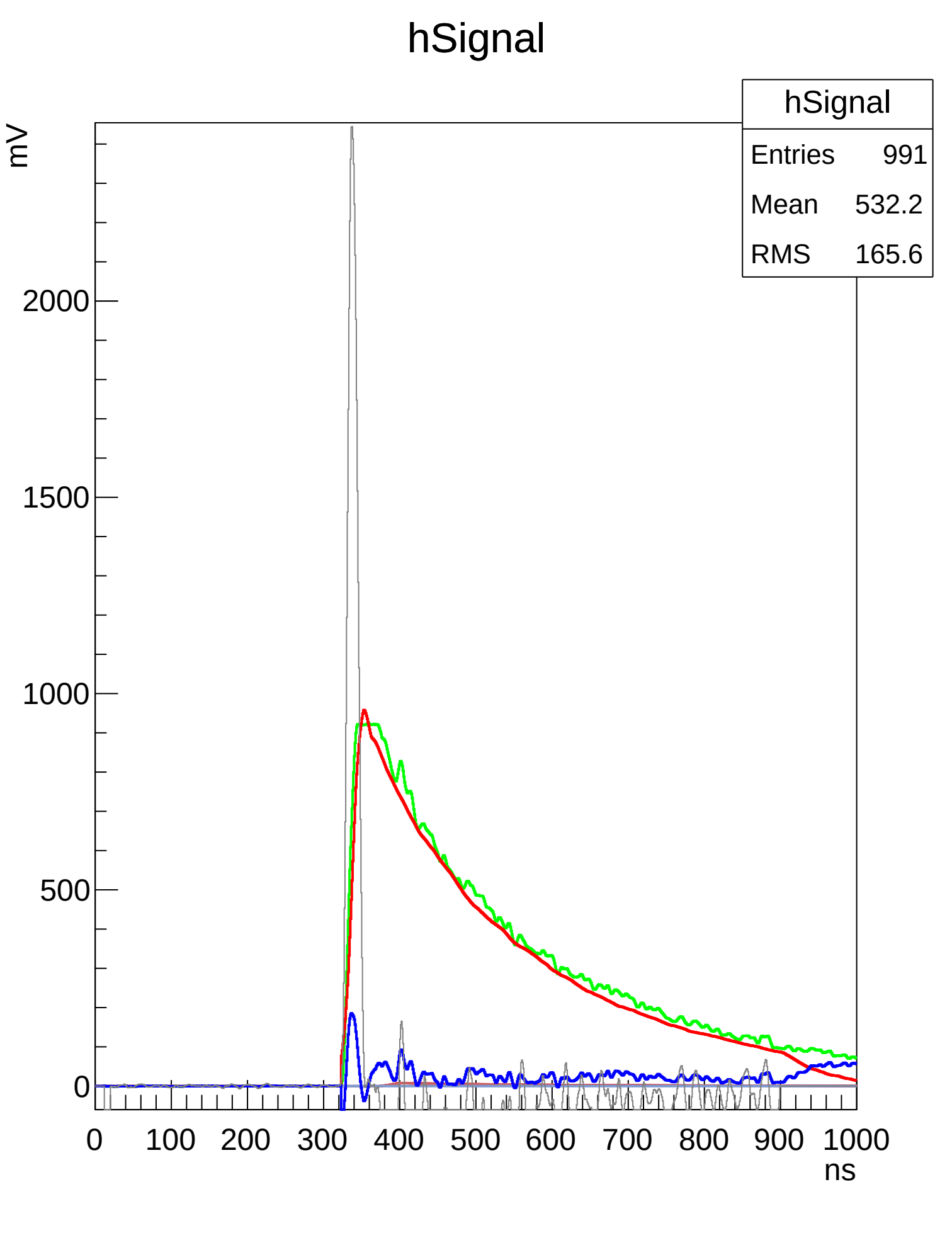

hSignal
hSignal
Entries 991
Mean 610.6
RMS 138.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

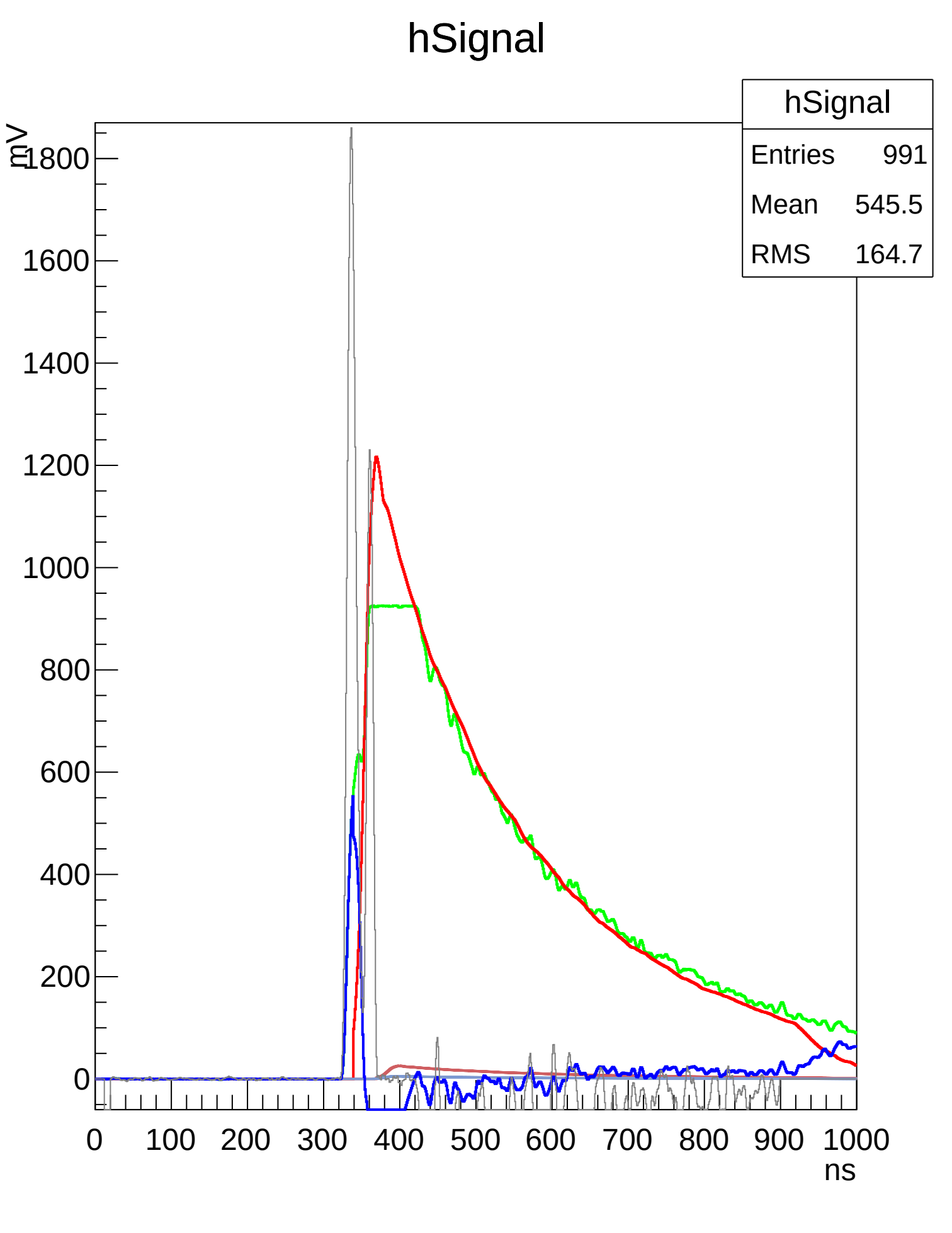

hSignal
hSignal
Entries 991
Mean 527.4
RMS 176.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

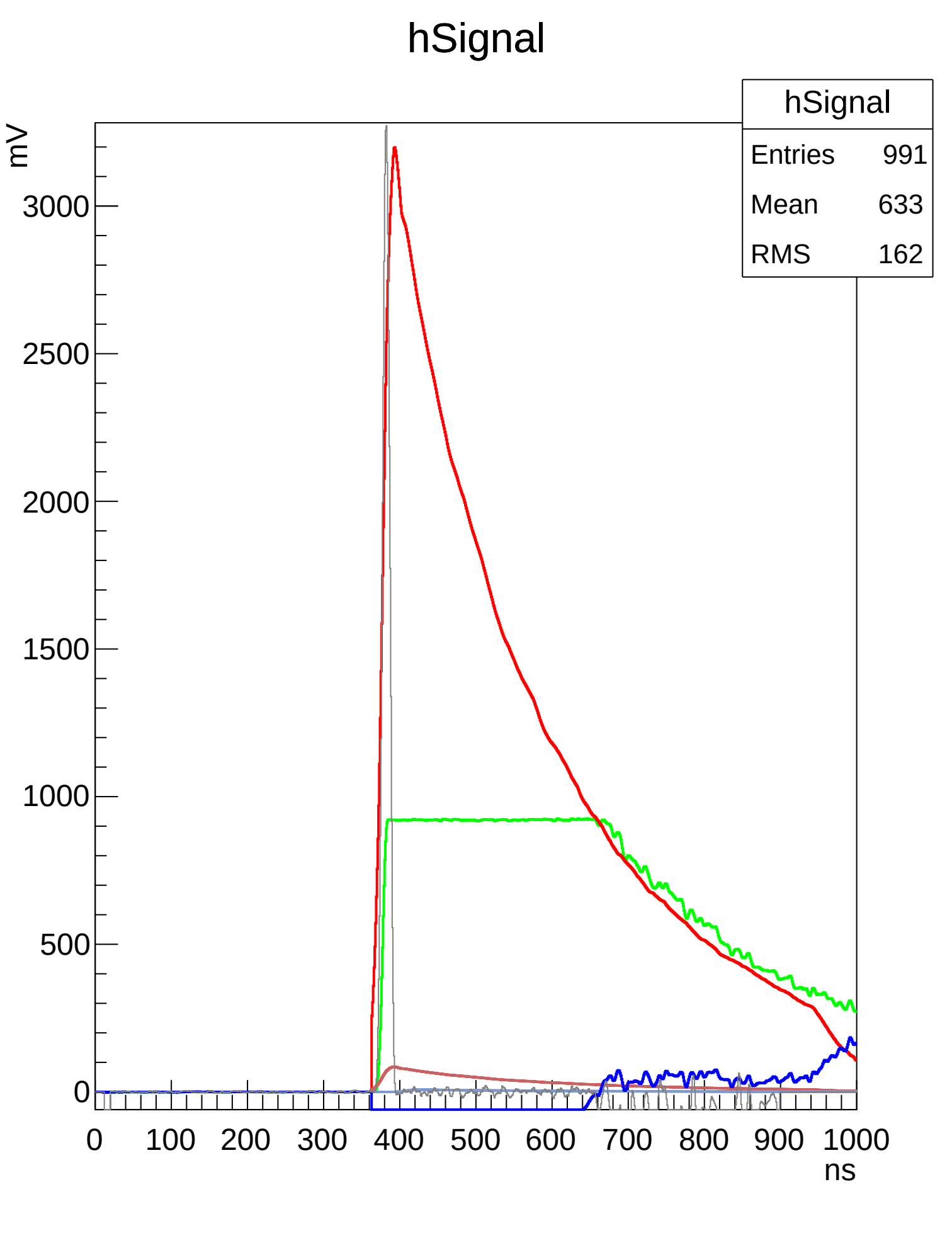

hSignal
hSignal
Entries 991
Mean 598.8
RMS 150.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

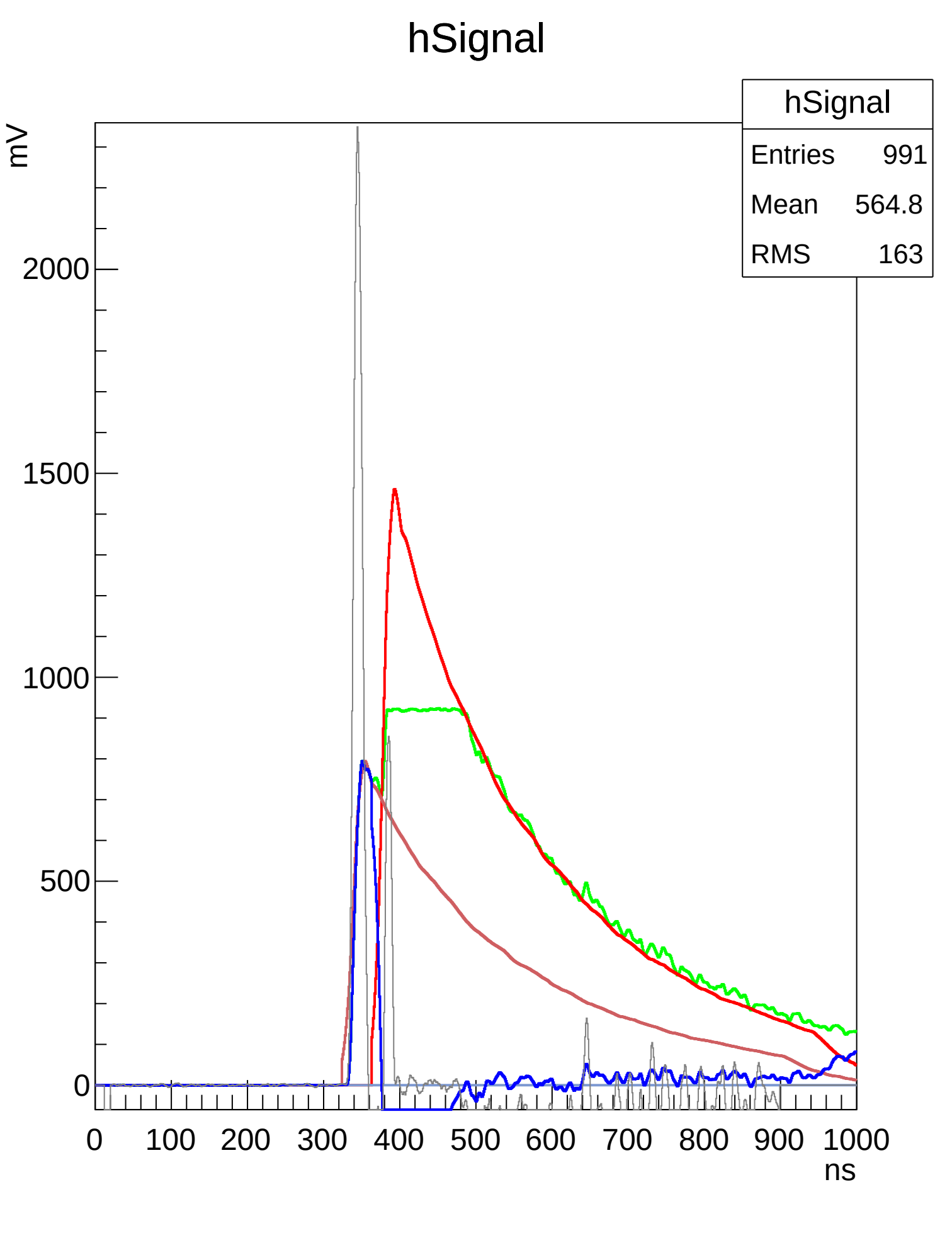

hSignal
hSignal
Entries 991
Mean 565.8
RMS 161.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

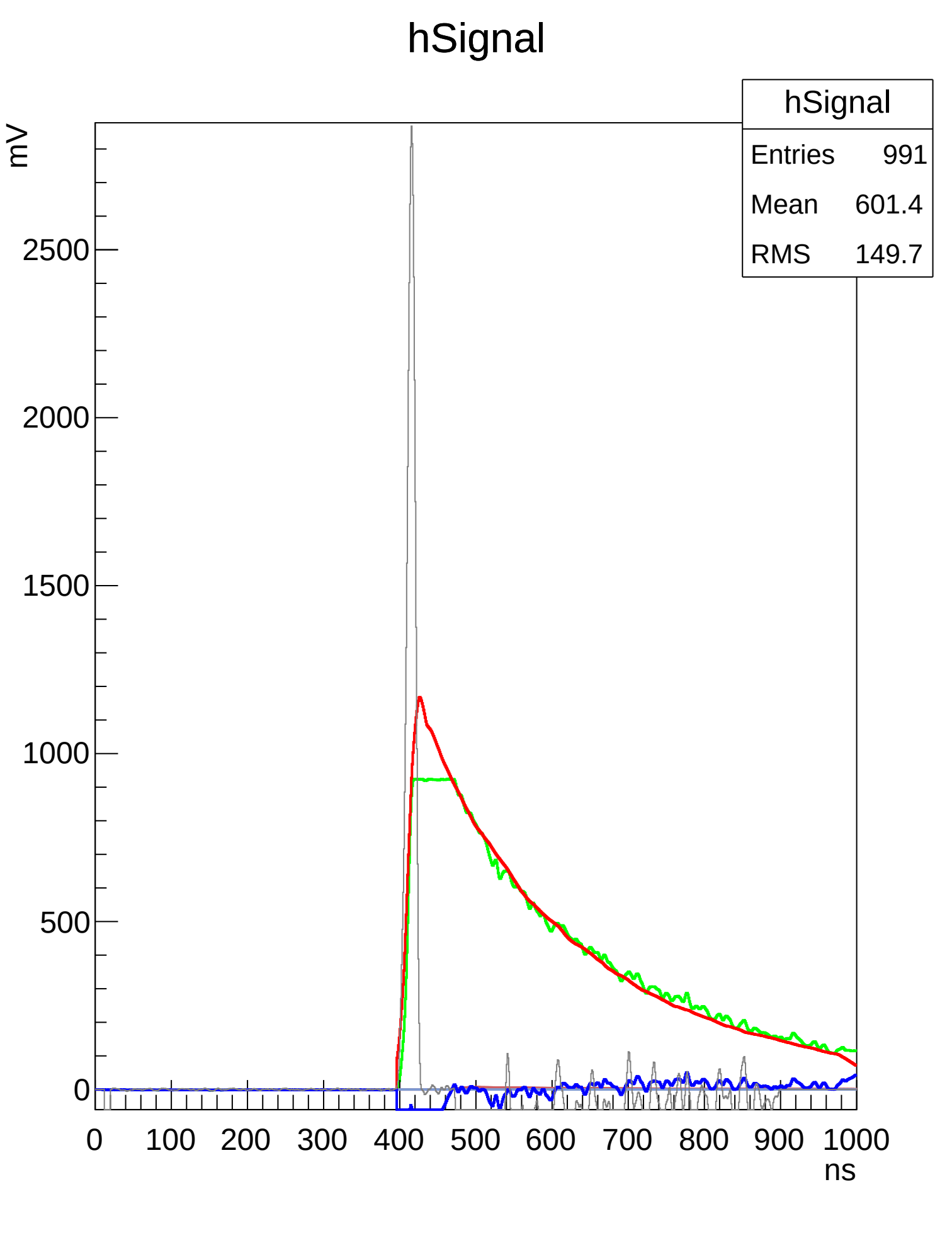

hSignal
hSignal
Entries 991
Mean 585.5
RMS 169.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

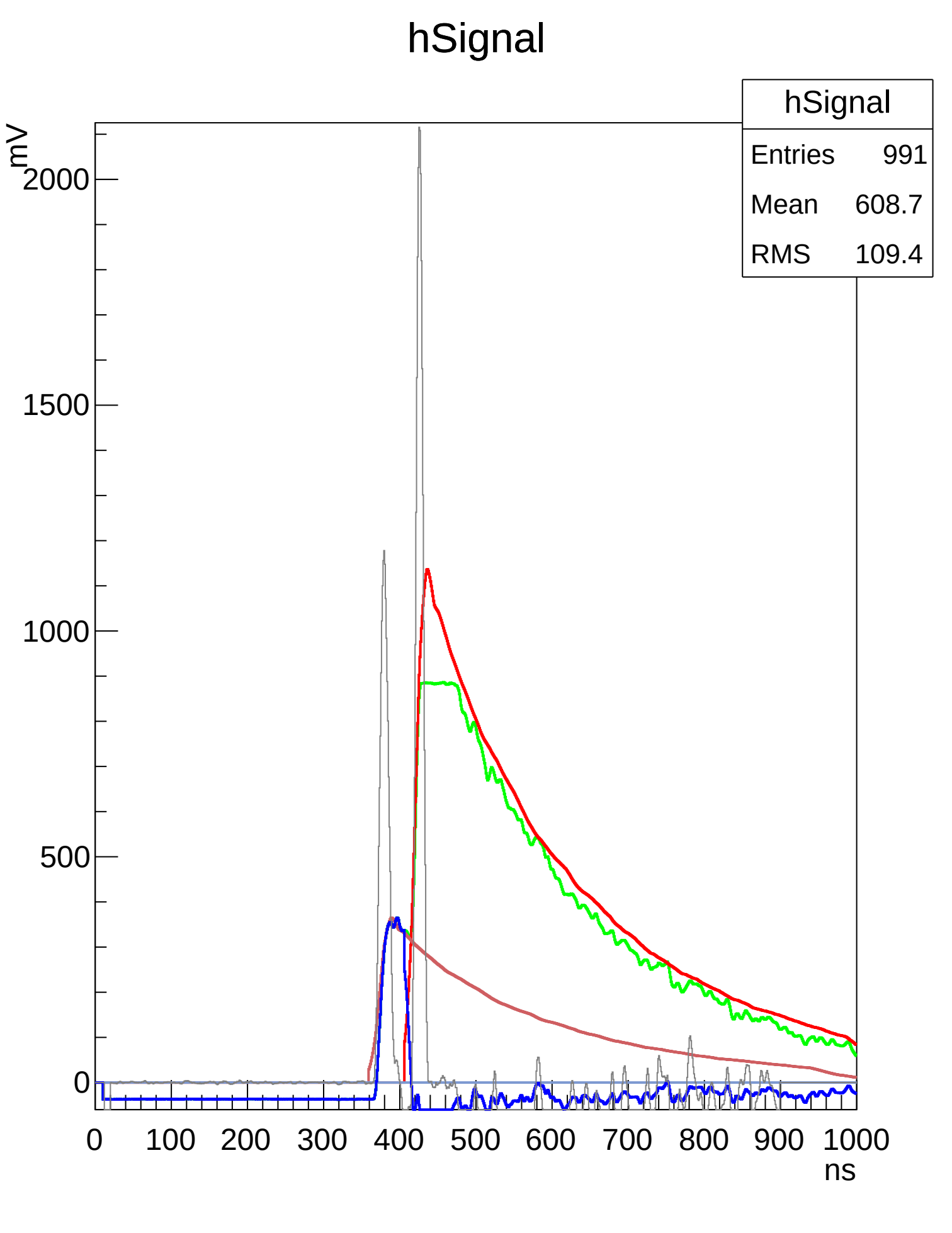

hSignal
hSignal
Entries 991
Mean 532.2
RMS 165.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

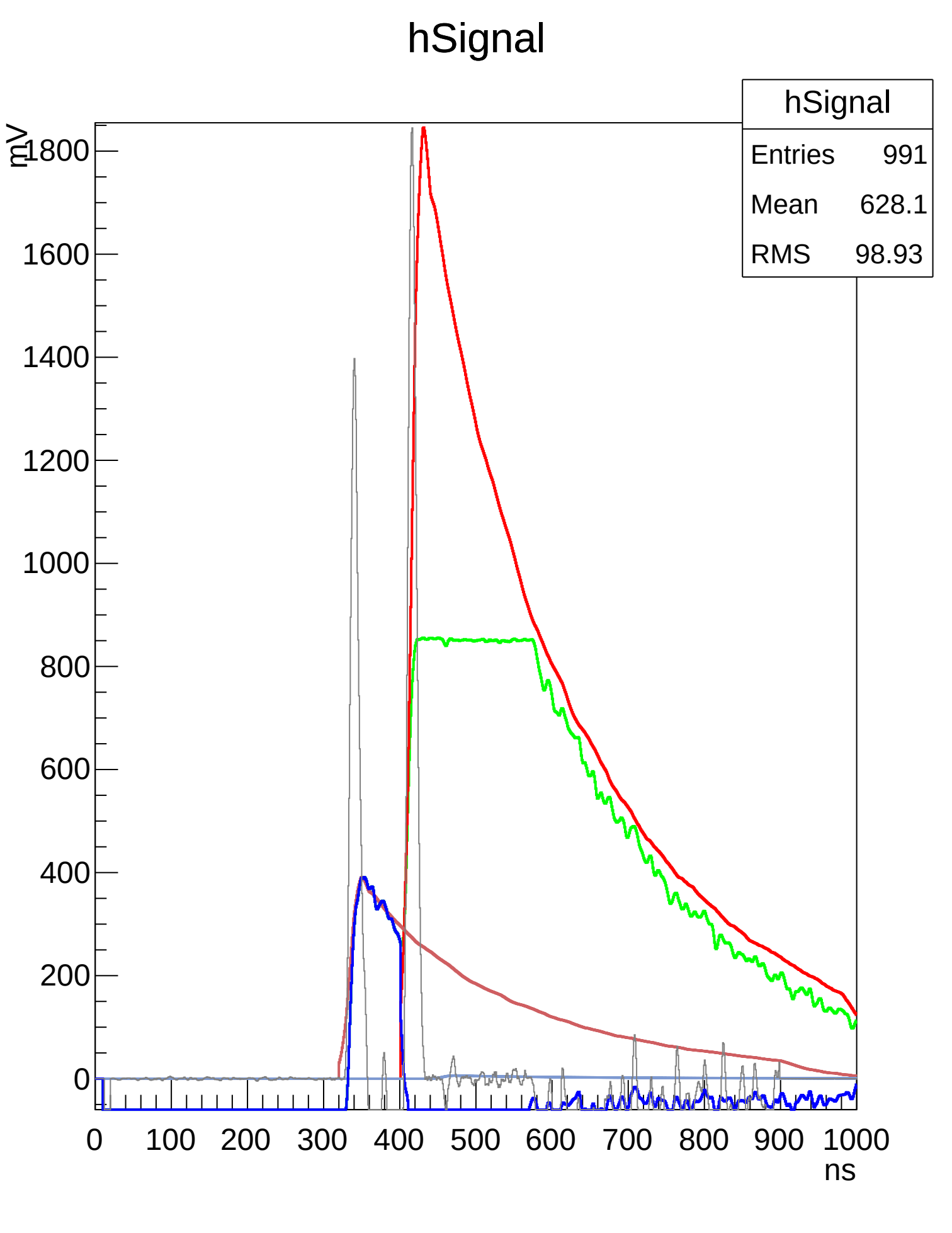

hSignal
hSignal
Entries 991
Mean 545.5
RMS 164.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

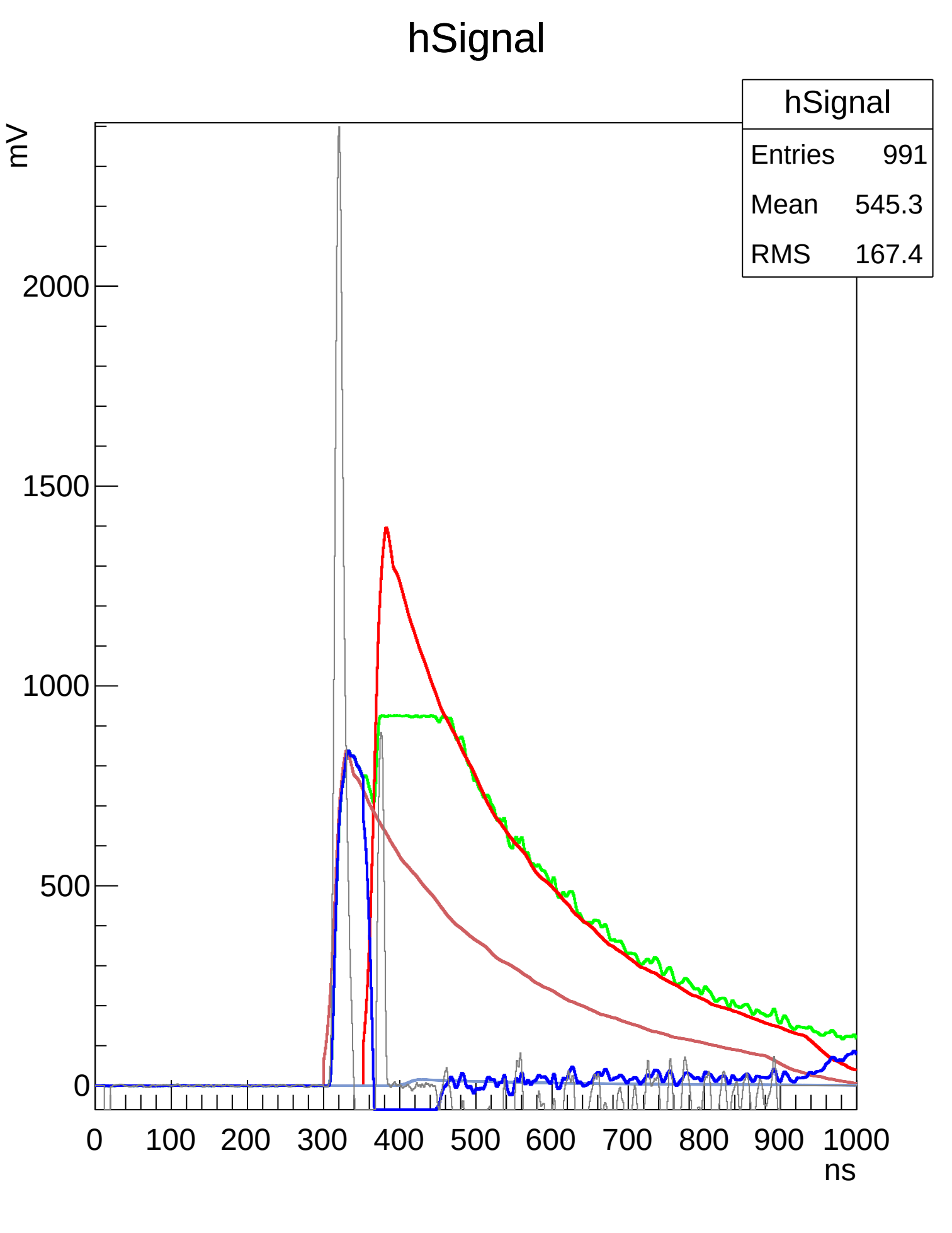

hSignal
hSignal
Entries 991
Mean 633
RMS 162
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

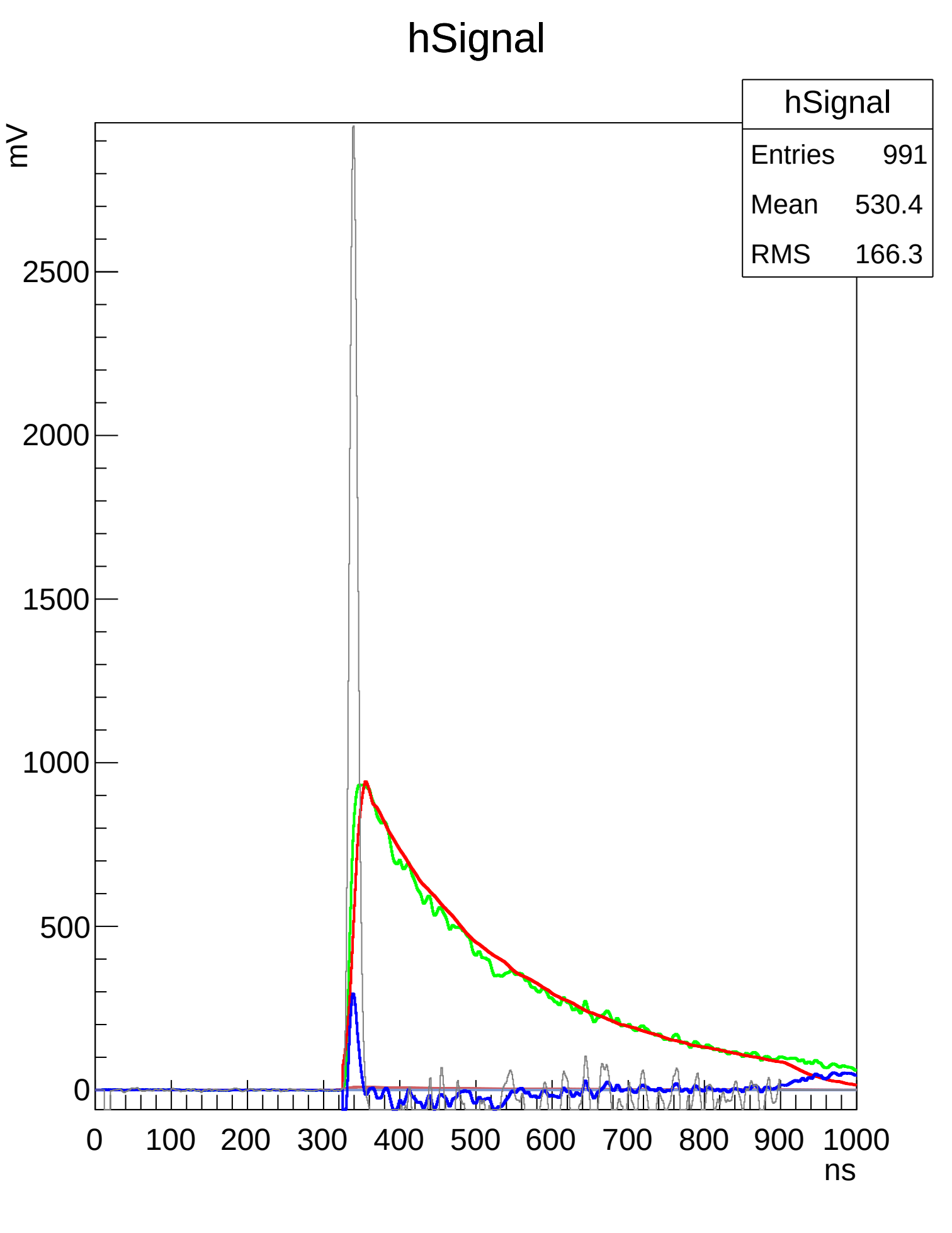

hSignal
hSignal
Entries 991
Mean 564.8
RMS 163
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

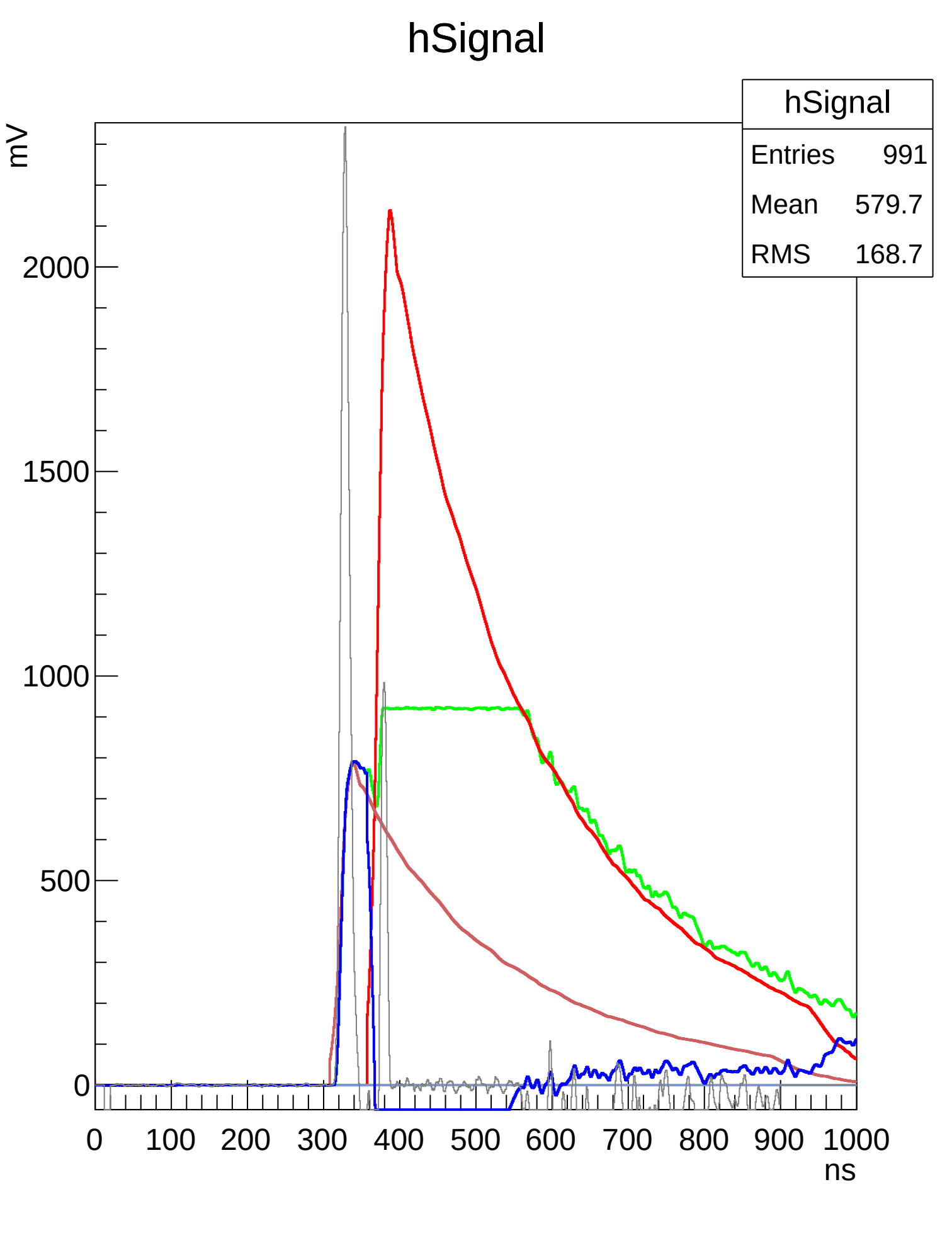

hSignal
hSignal
Entries 991
Mean 601.4
RMS 149.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

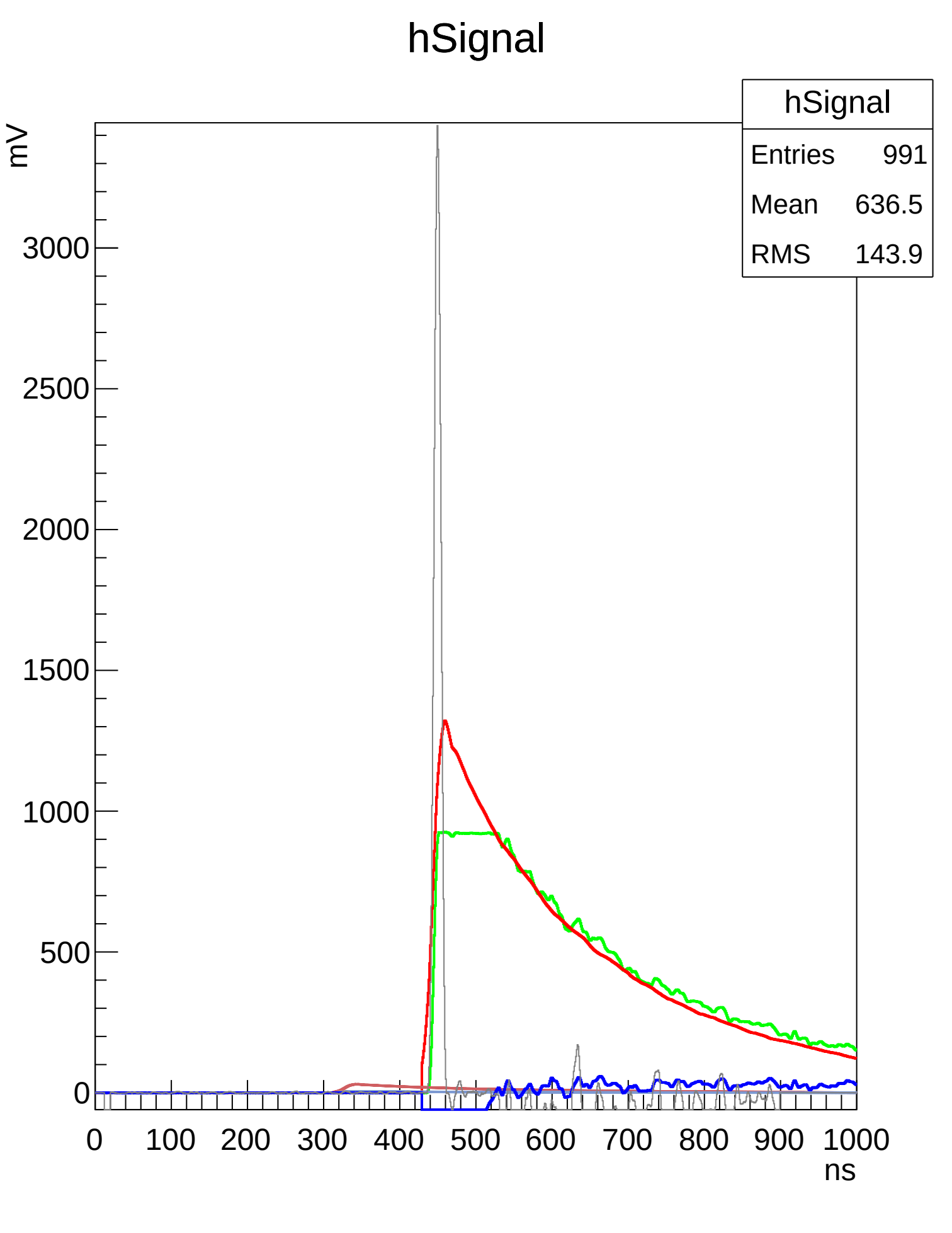

hSignal
hSignal
Entries 991
Mean 608.7
RMS 109.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

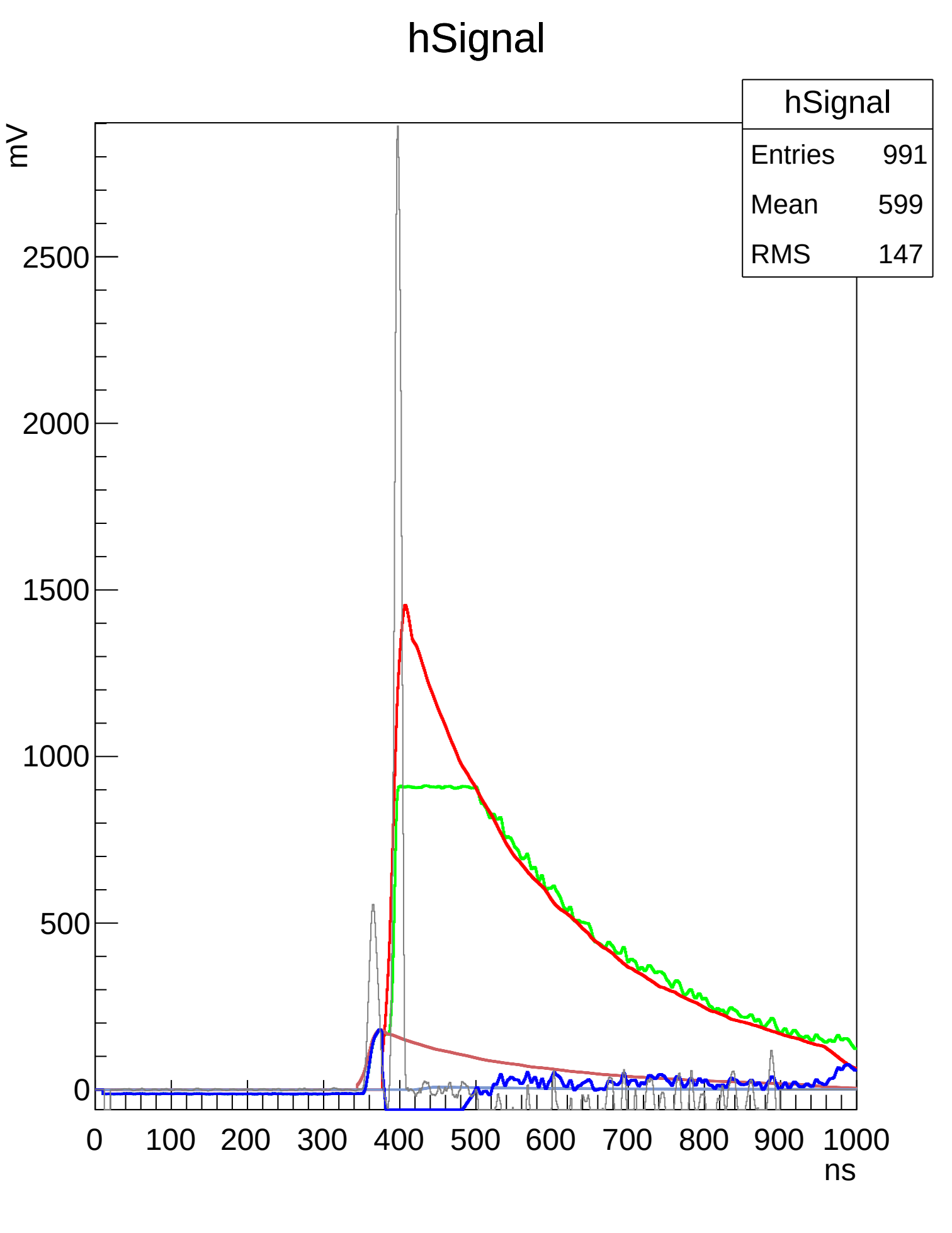

hSignal
hSignal
Entries 991
Mean 628.1
RMS 98.93
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

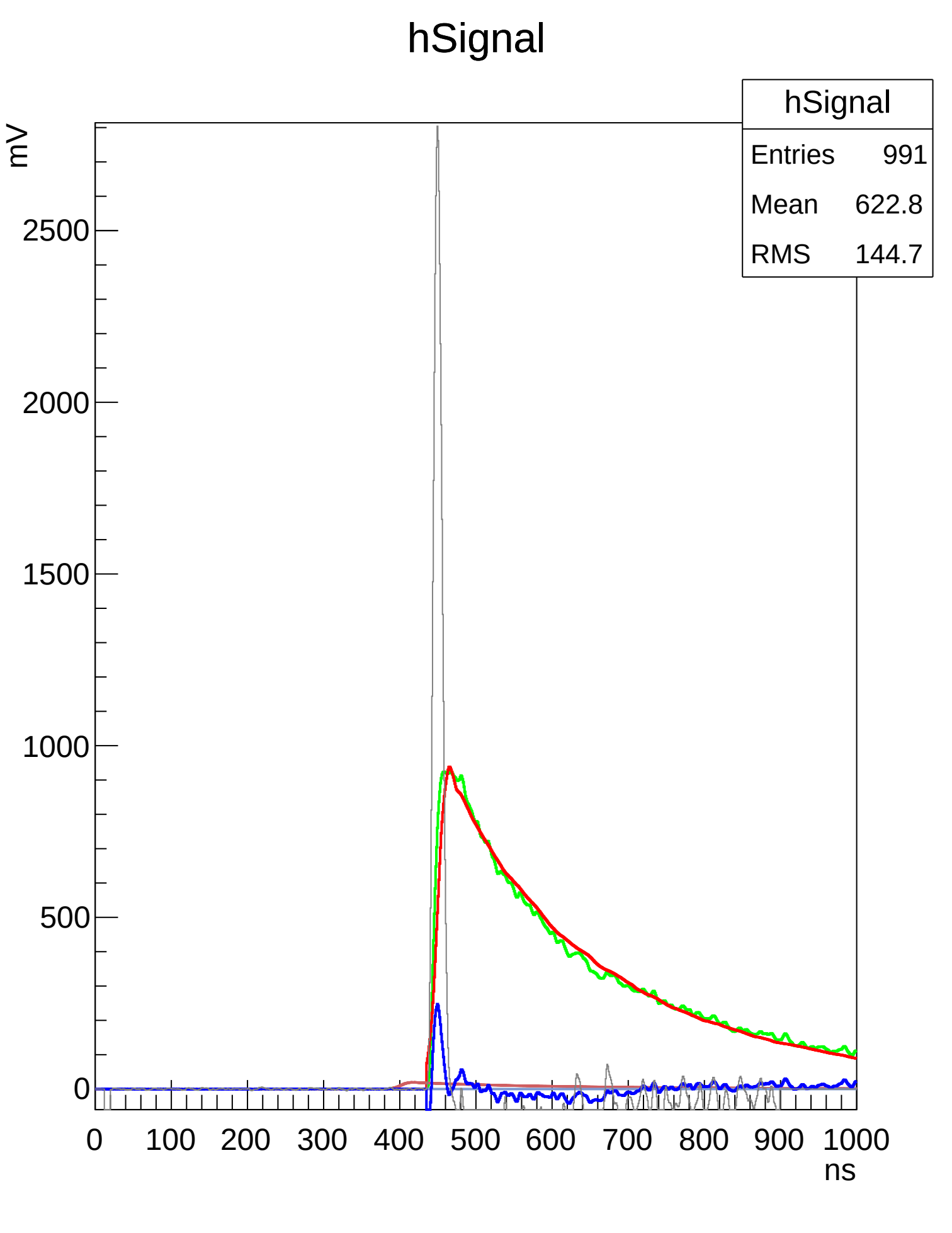

hSignal
hSignal
Entries 991
Mean 545.3
RMS 167.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

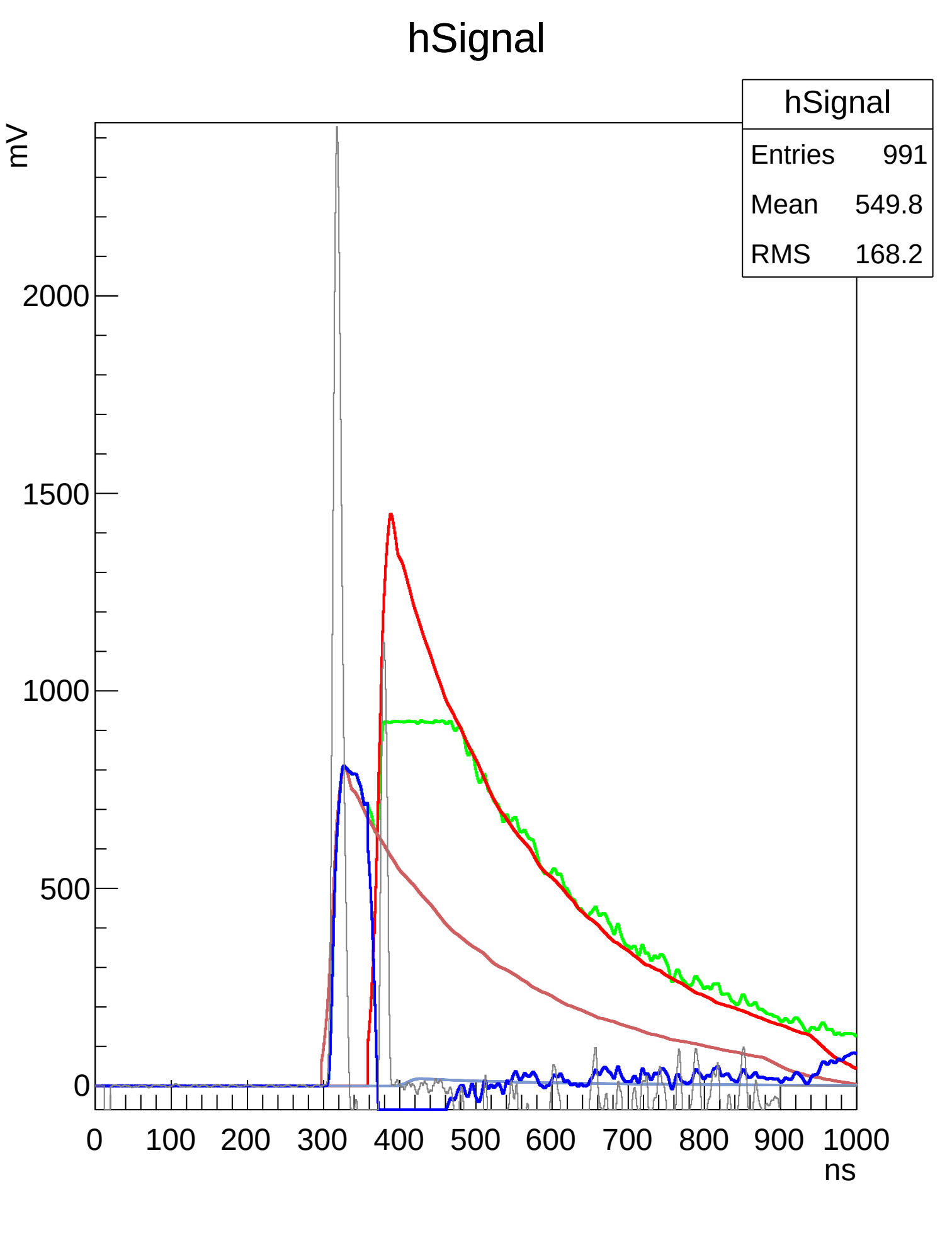

hSignal
hSignal
Entries 991
Mean 530.4
RMS 166.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

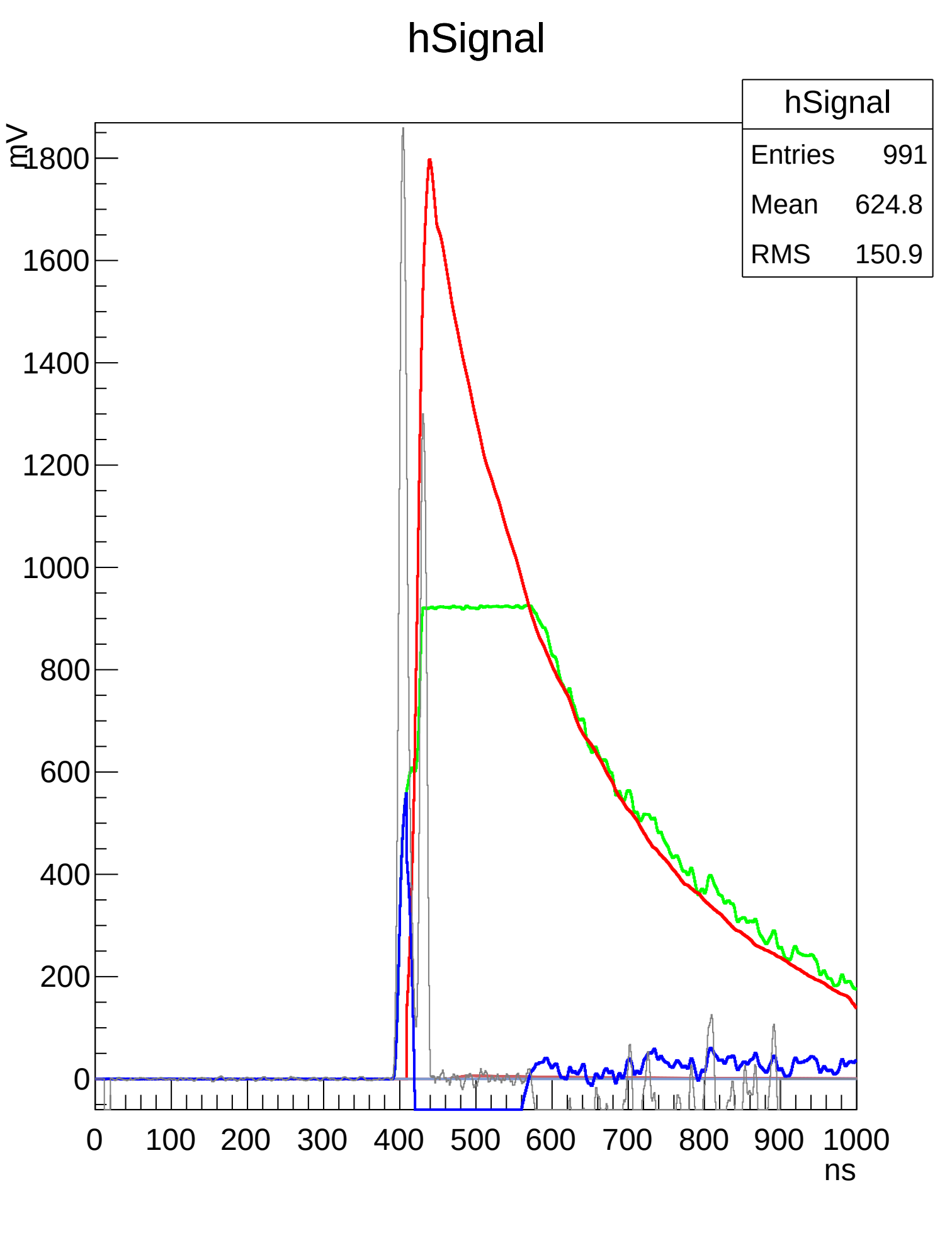

hSignal
hSignal
Entries 991
Mean 579.7
RMS 168.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

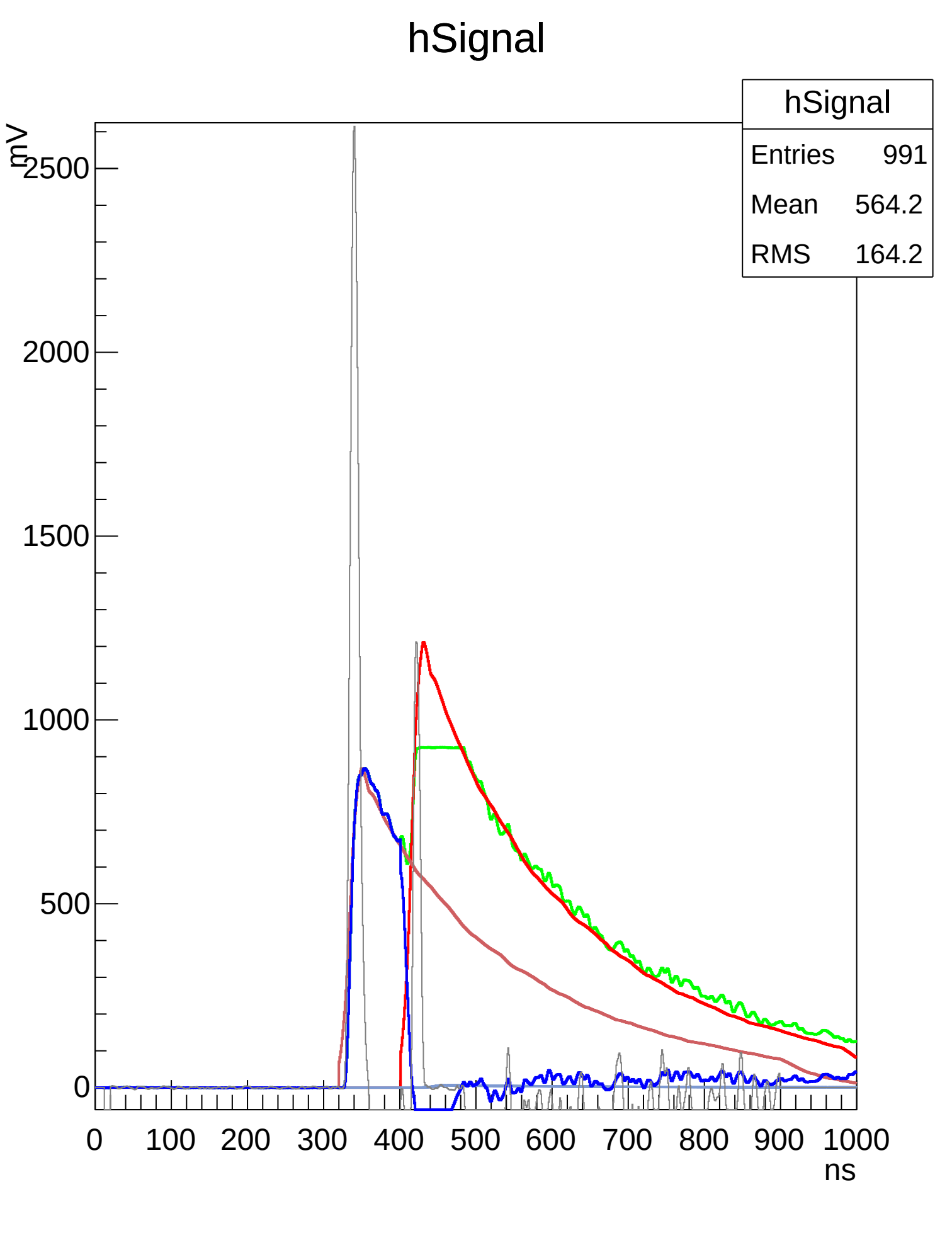

hSignal
hSignal
Entries 991
Mean 636.5
RMS 143.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

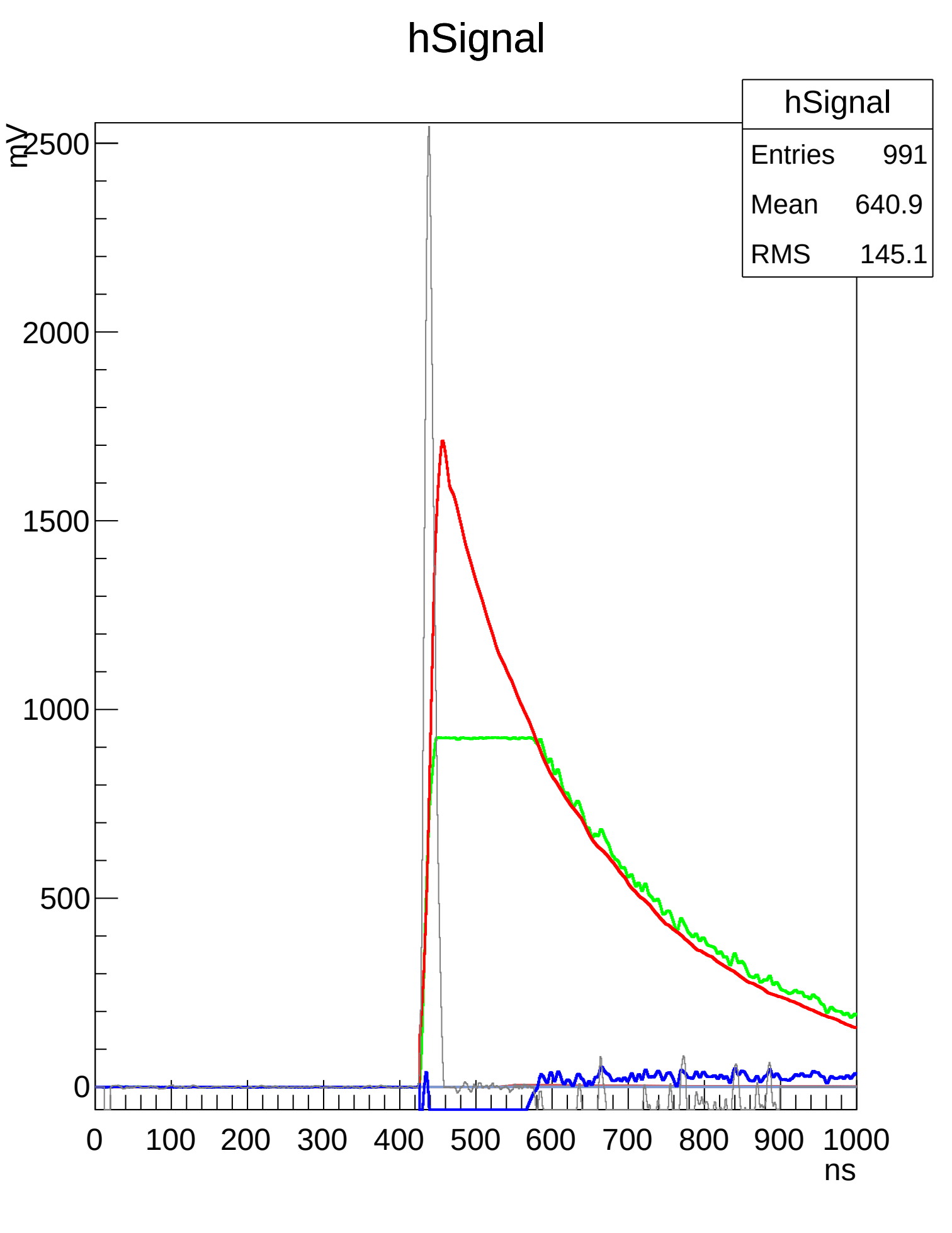

hSignal
hSignal
Entries 991
Mean 599
RMS 147
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

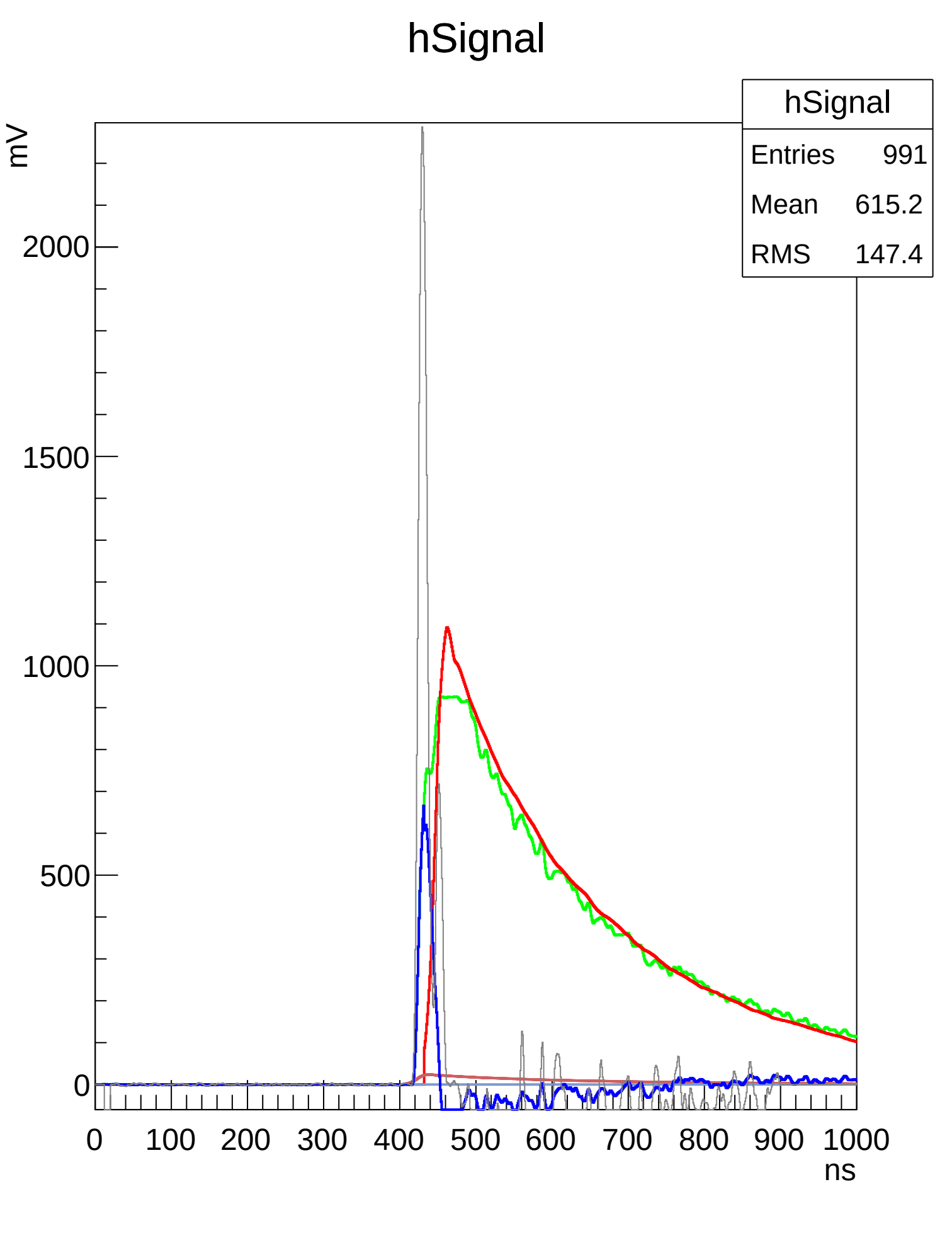

hSignal
hSignal
Entries 991
Mean 622.8
RMS 144.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

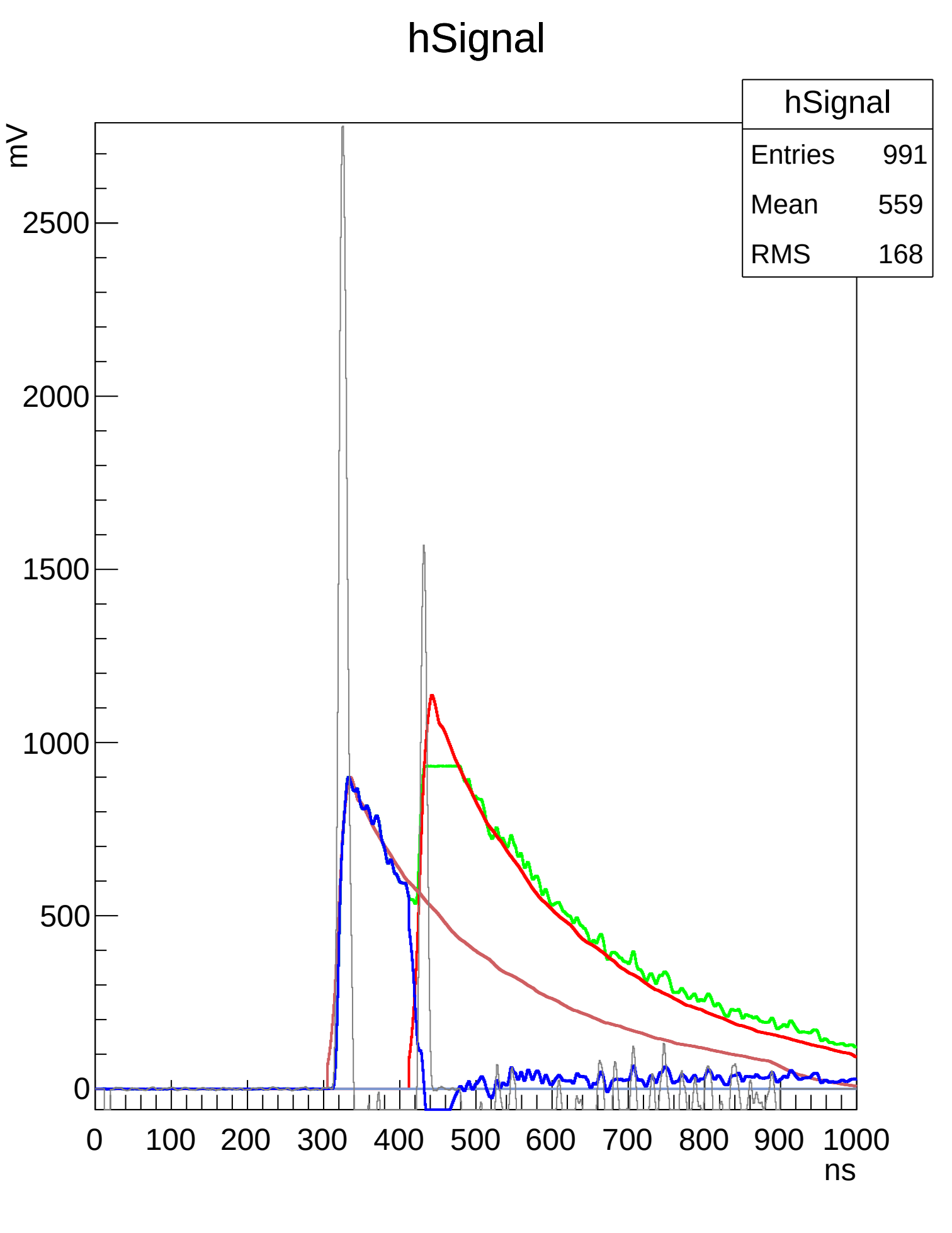

hSignal
hSignal
Entries 991
Mean 549.8
RMS 168.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

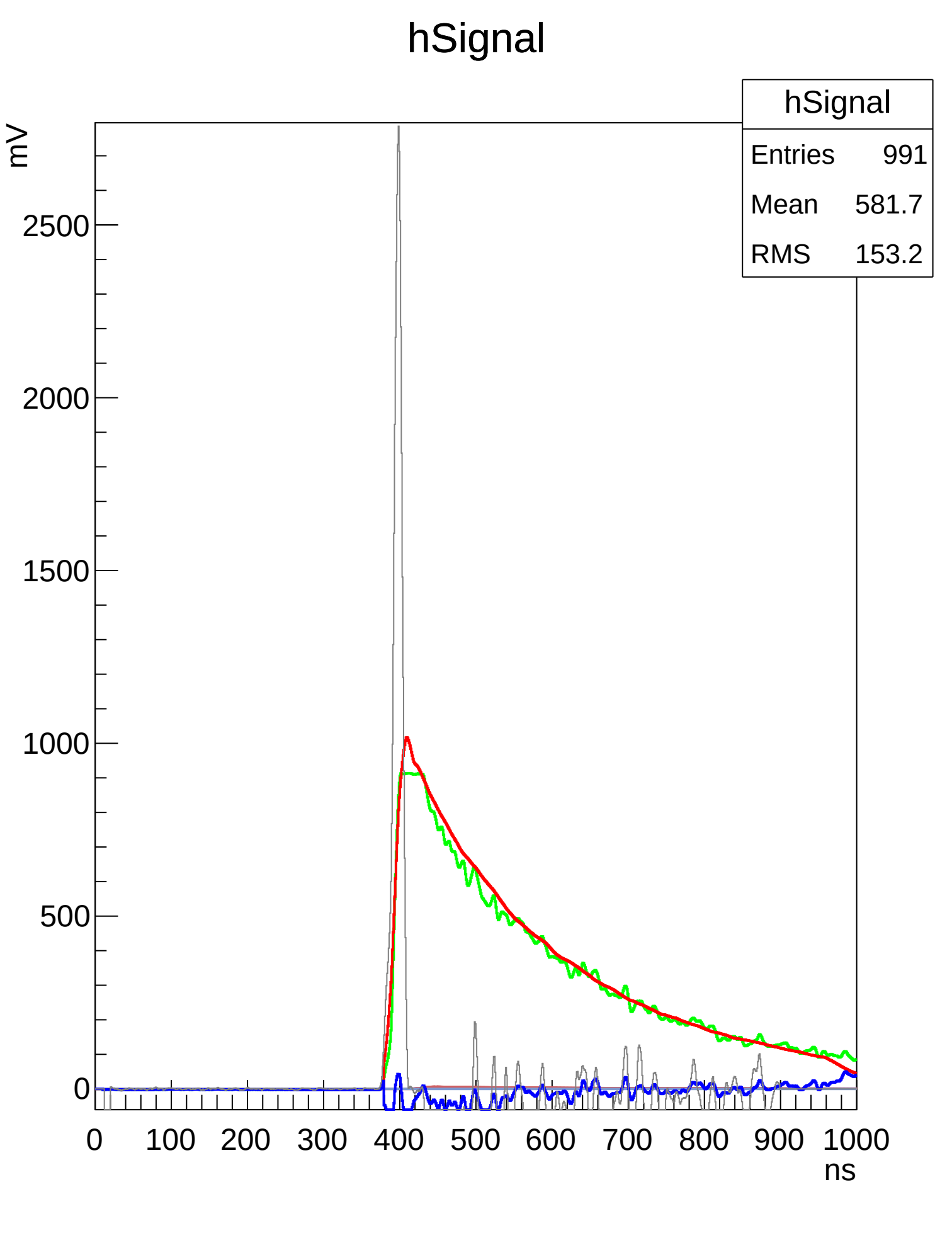

hSignal
hSignal
Entries 991
Mean 624.8
RMS 150.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

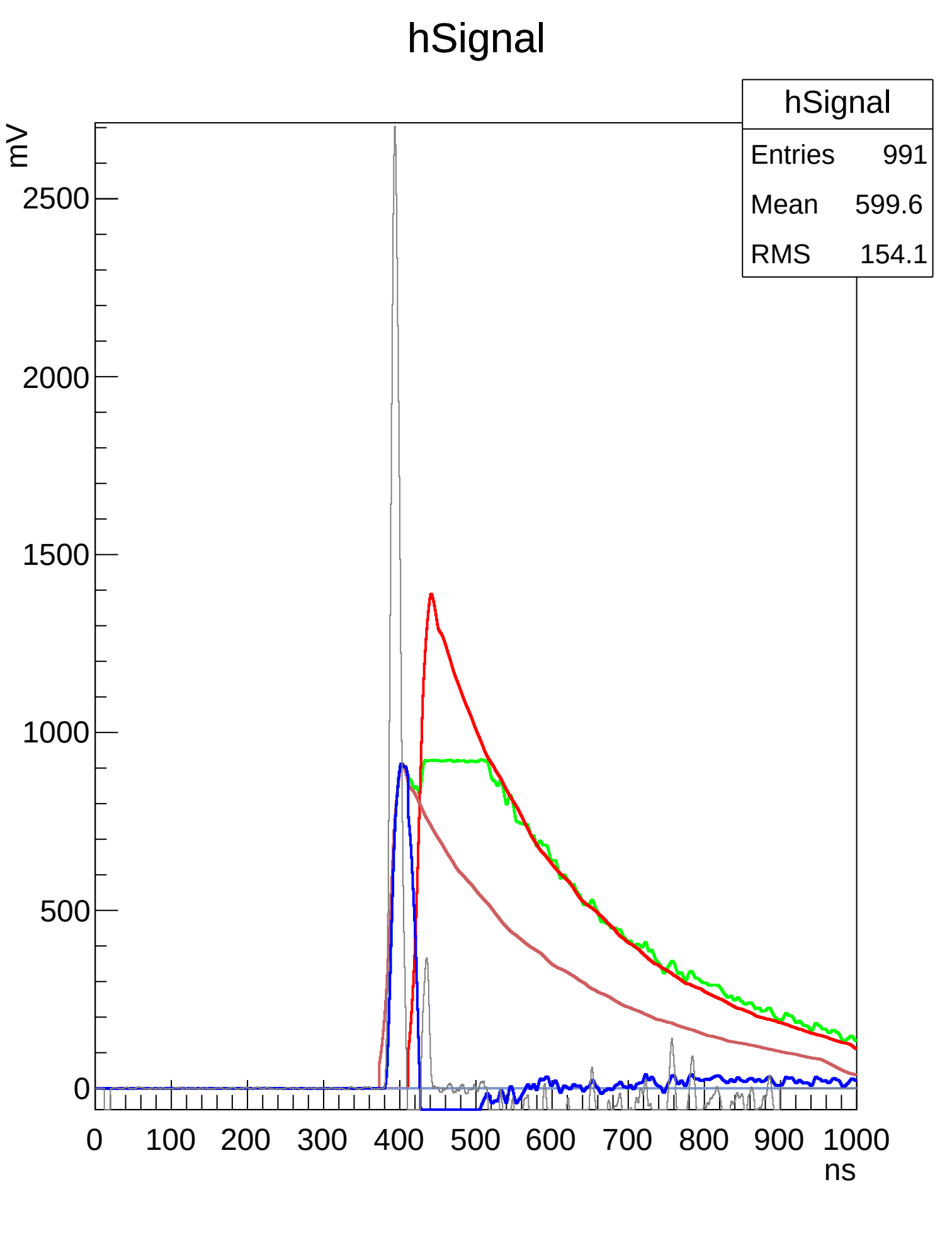

hSignal
hSignal
Entries 991
Mean 564.2
RMS 164.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

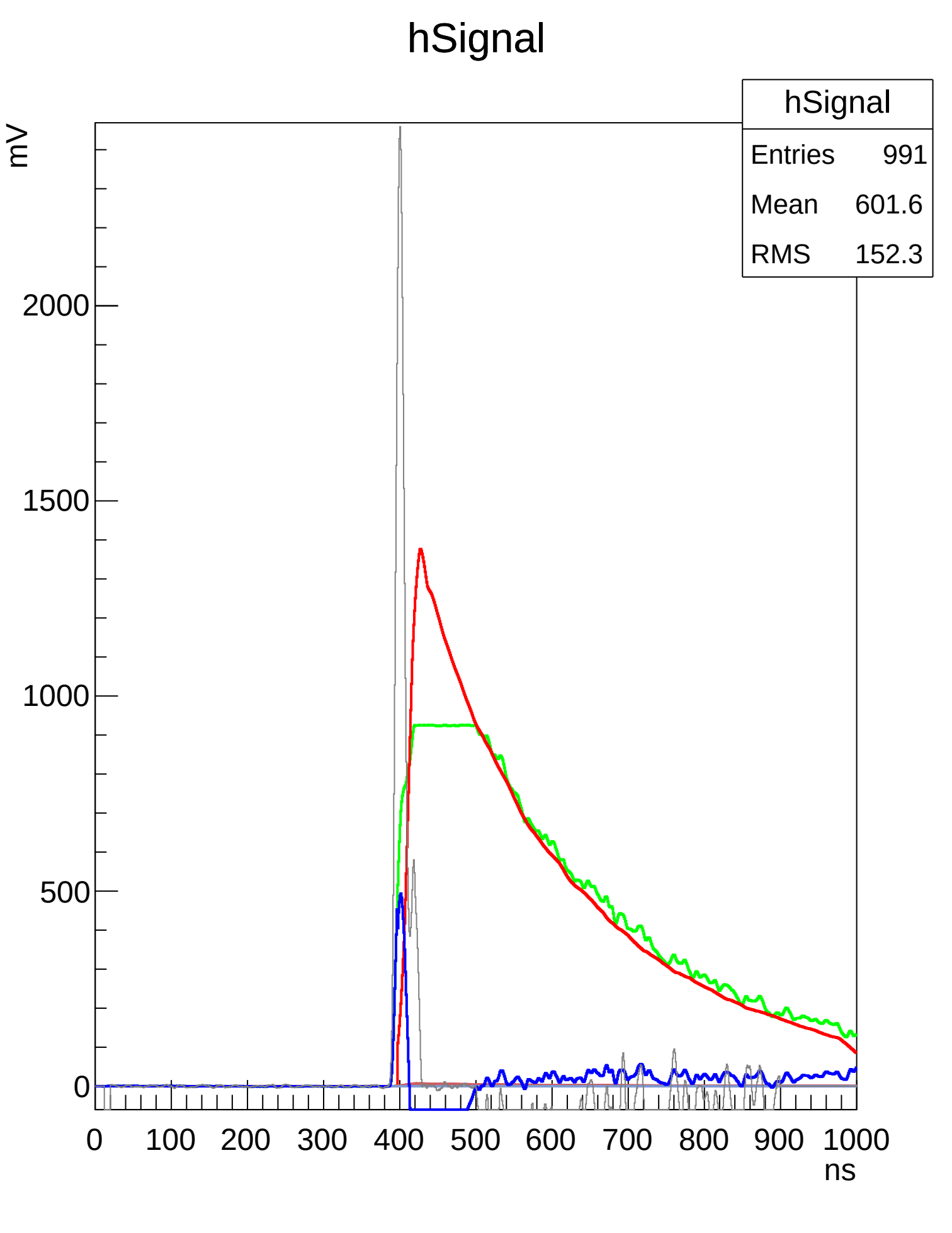

hSignal
hSignal
Entries 991
Mean 640.9
RMS 145.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

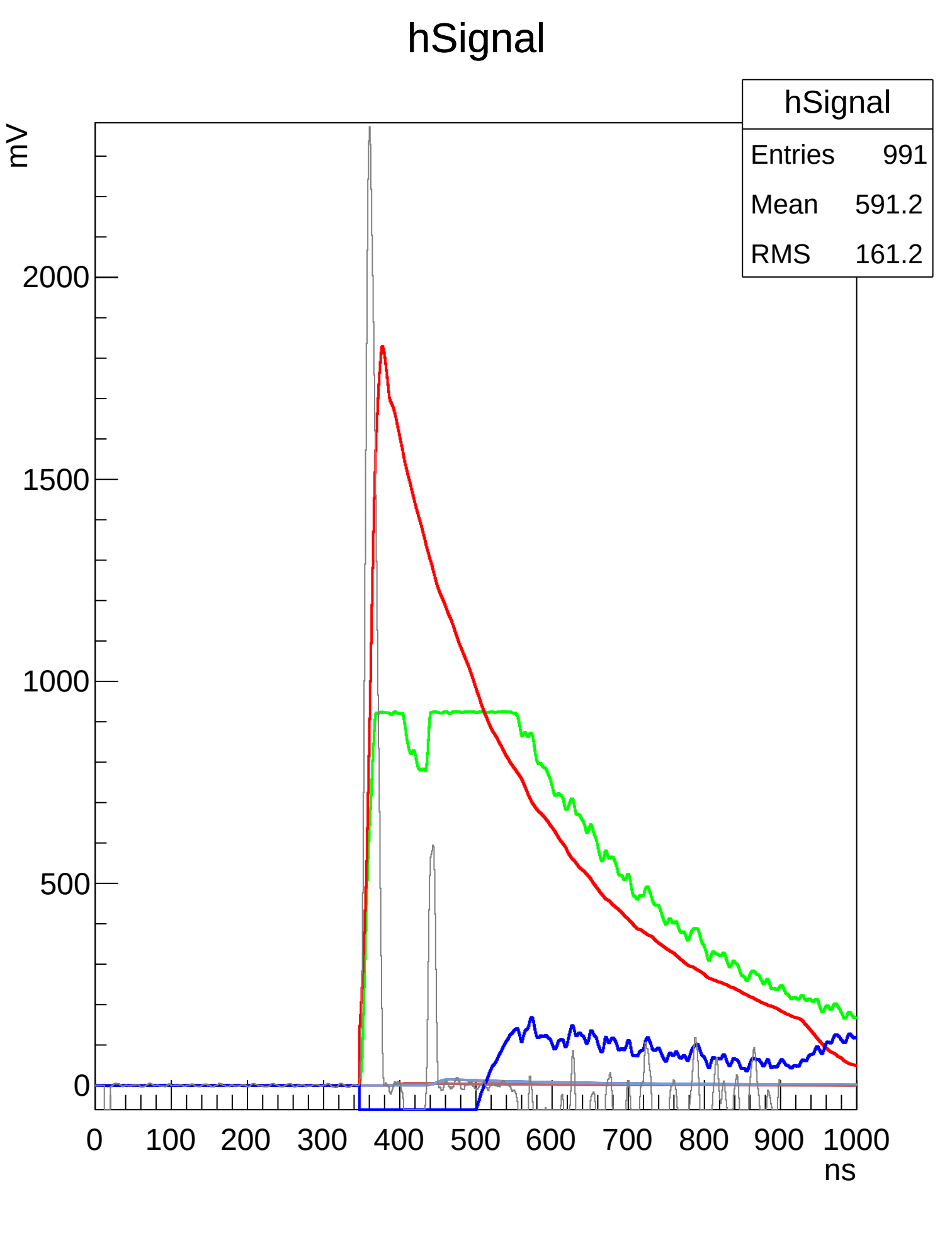

hSignal
hSignal
Entries 991
Mean 615.2
RMS 147.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

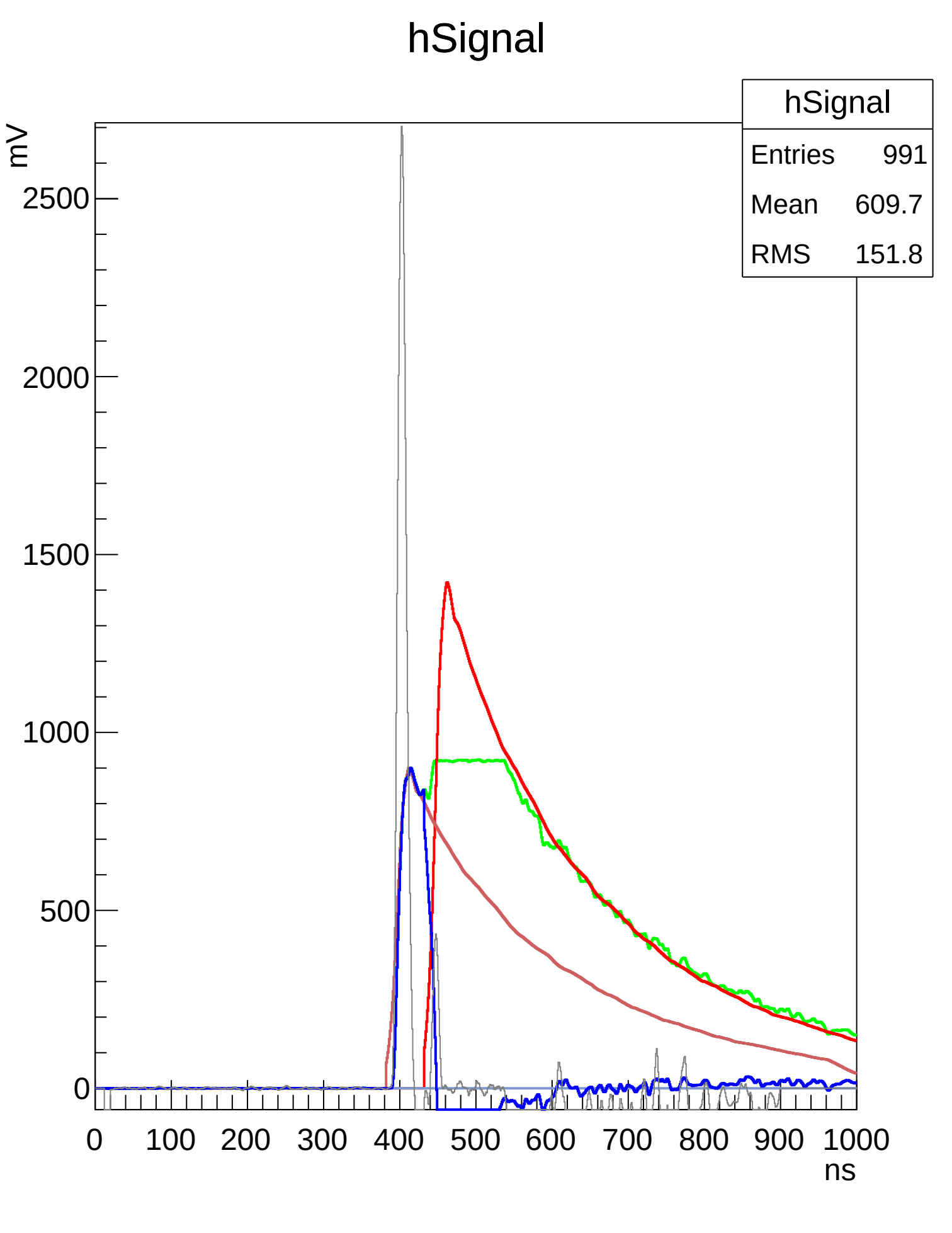

hSignal
hSignal
Entries 991
Mean 559
RMS 168
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

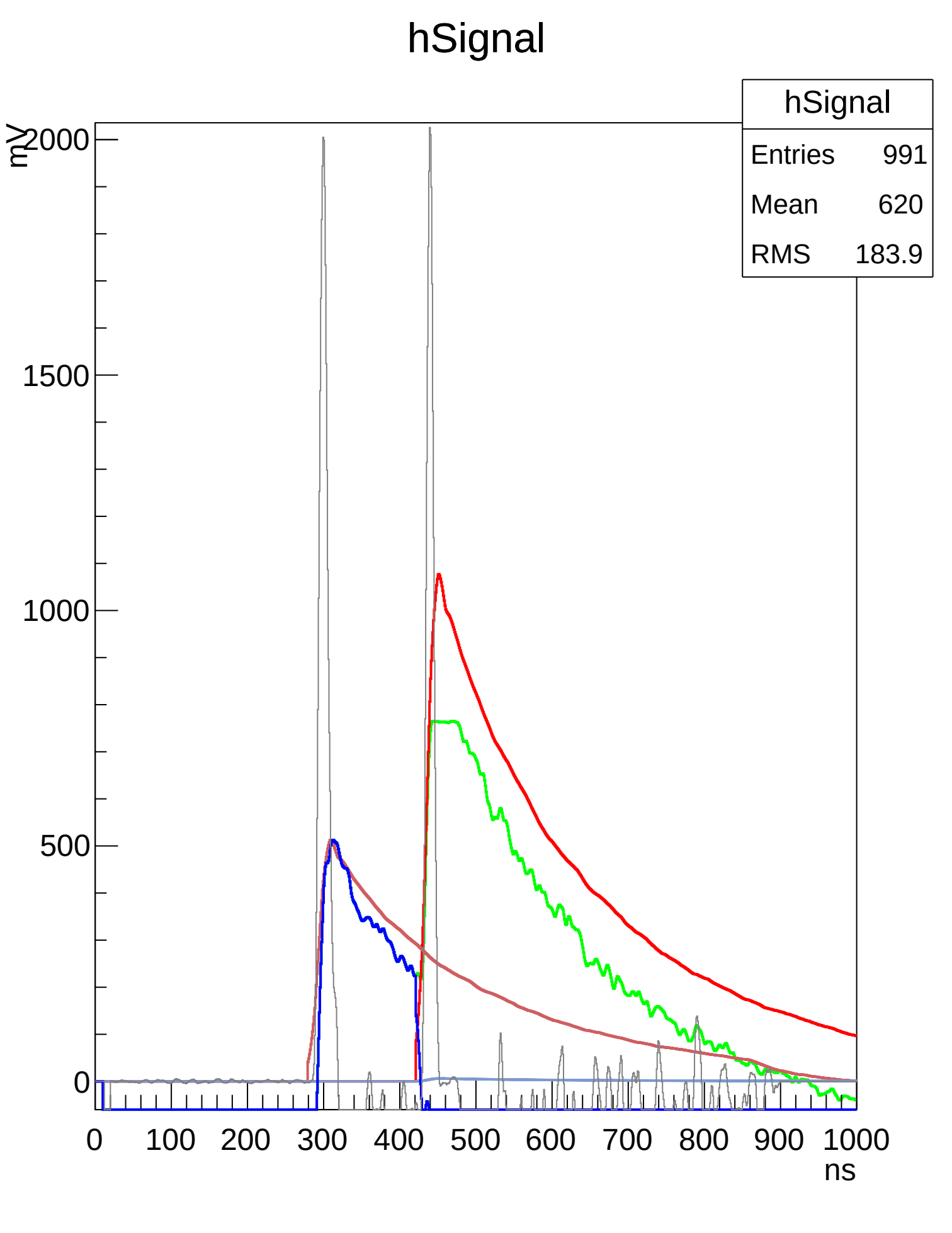

hSignal
hSignal
Entries 991
Mean 581.7
RMS 153.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

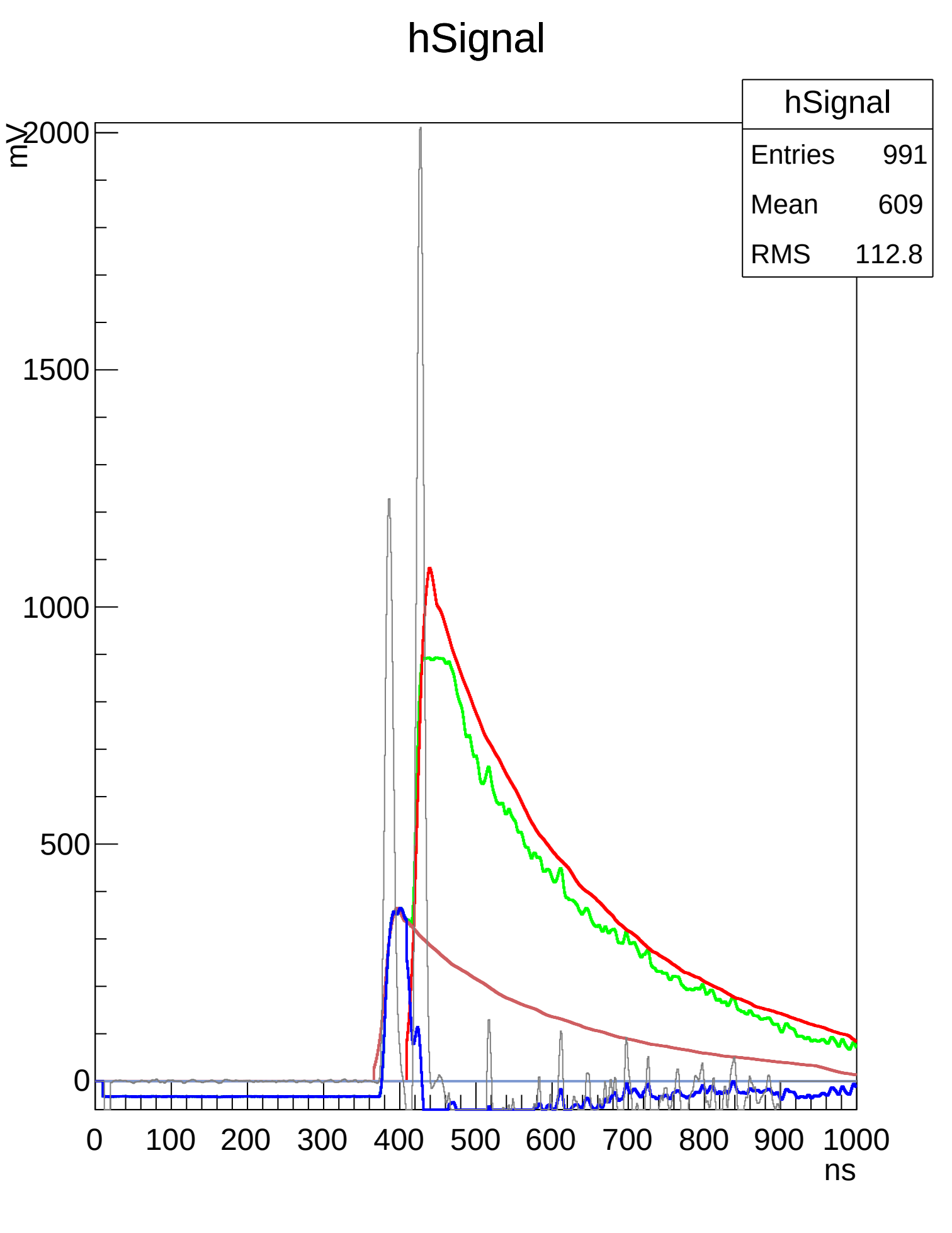

hSignal
hSignal
Entries 991
Mean 599.6
RMS 154.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

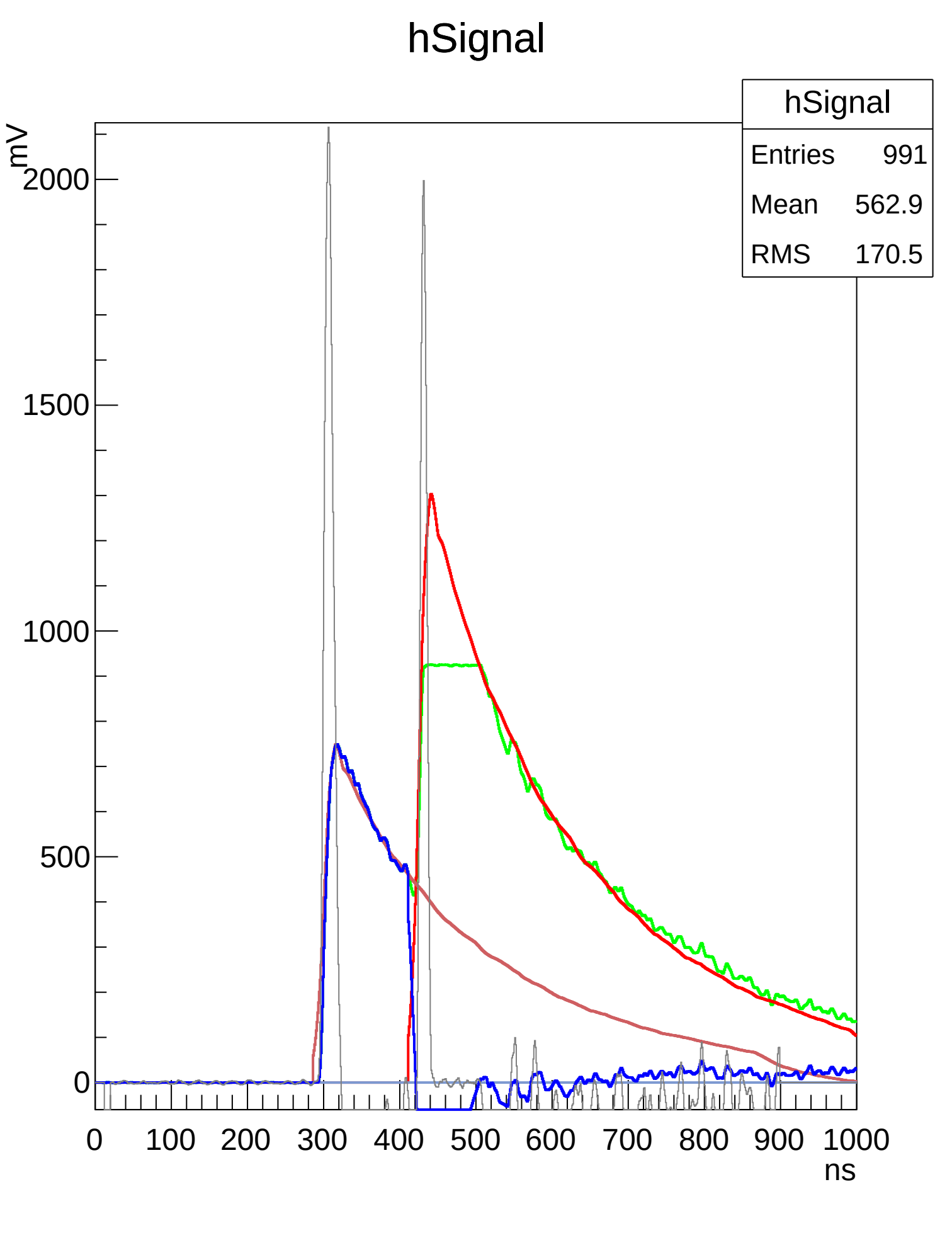

hSignal
hSignal
Entries 991
Mean 601.6
RMS 152.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

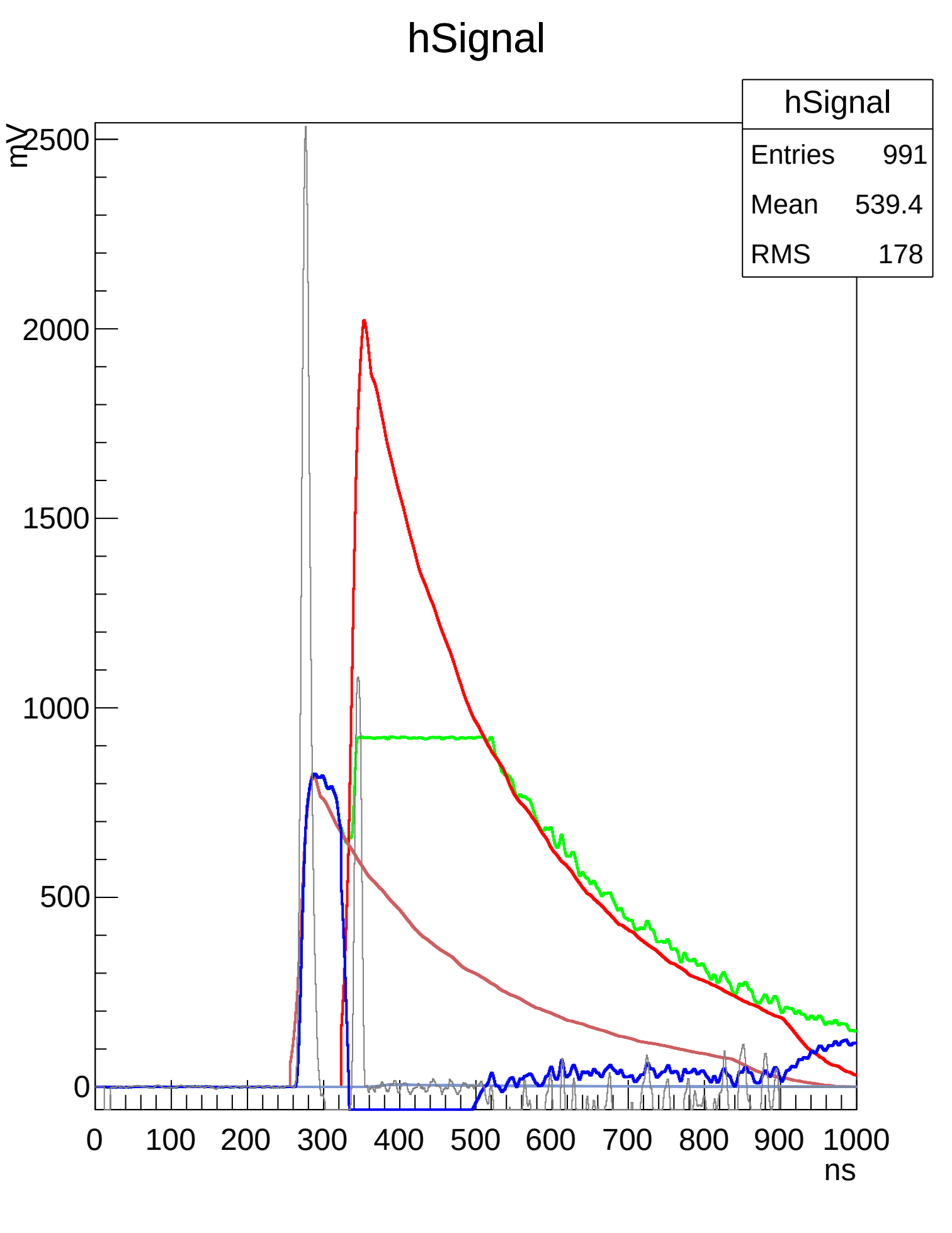

hSignal
hSignal
Entries 991
Mean 591.2
RMS 161.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

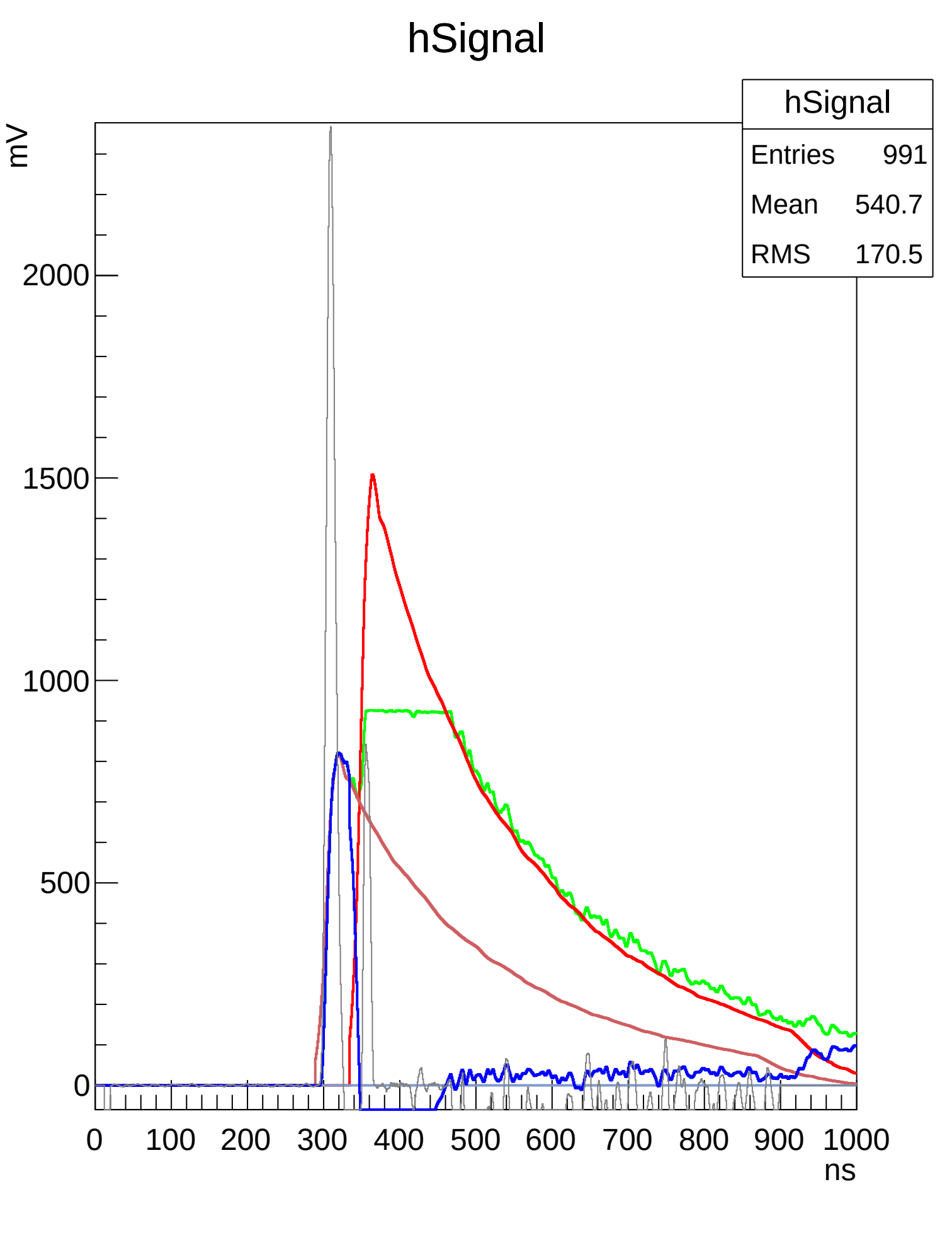

hSignal
hSignal
Entries 991
Mean 609.7
RMS 151.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

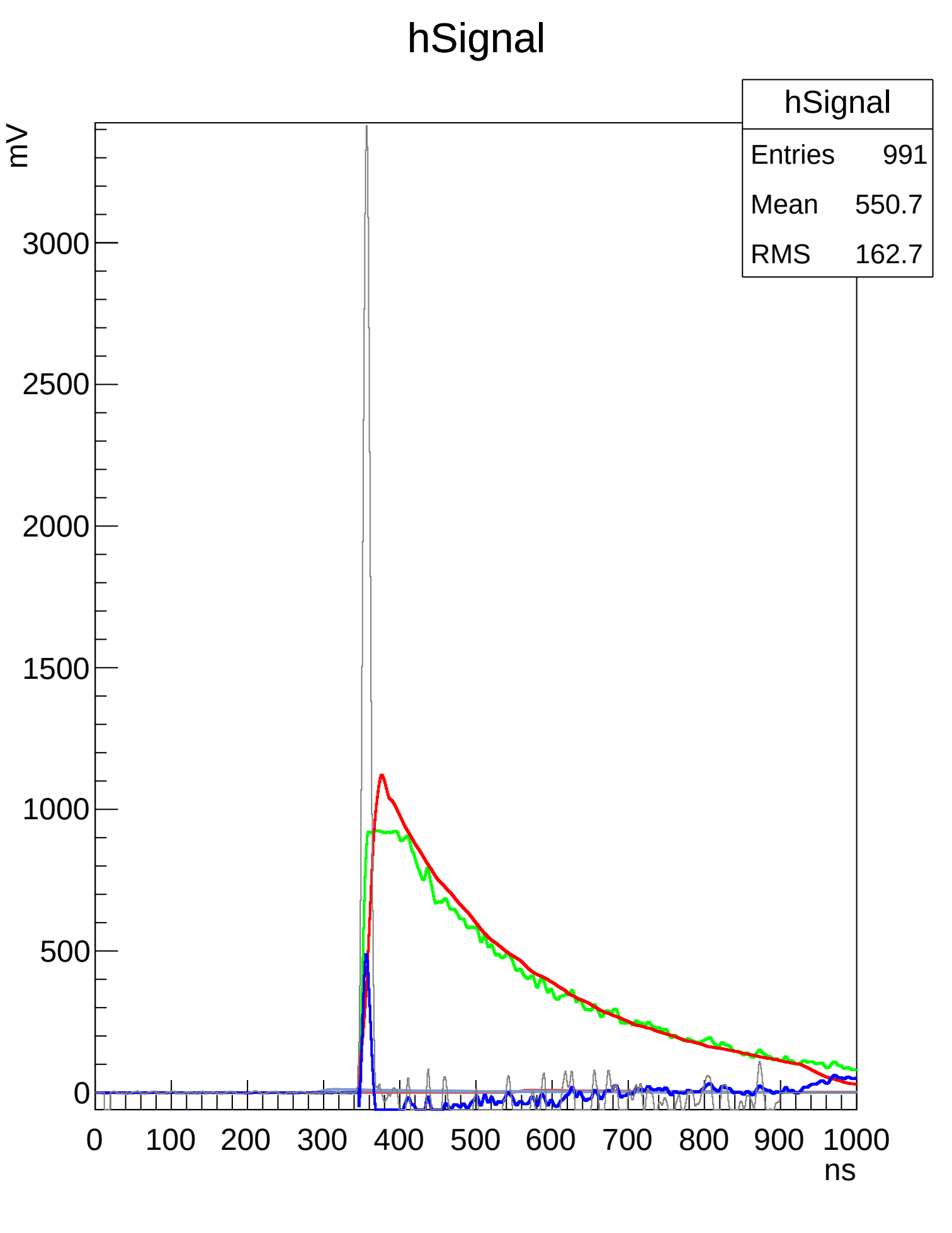

hSignal
hSignal
Entries 991
Mean 620
RMS 183.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

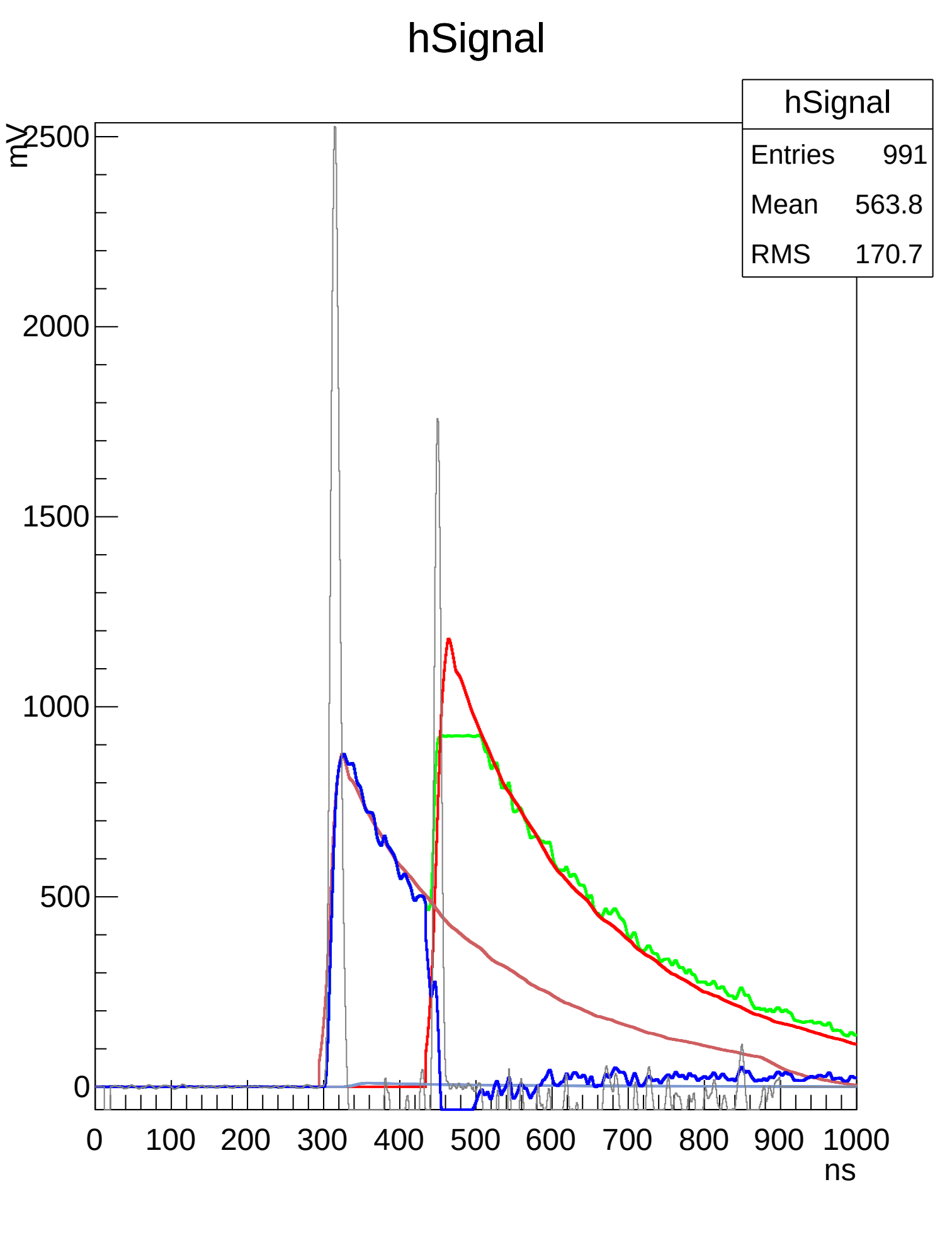

hSignal
hSignal
Entries 991
Mean 609
RMS 112.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

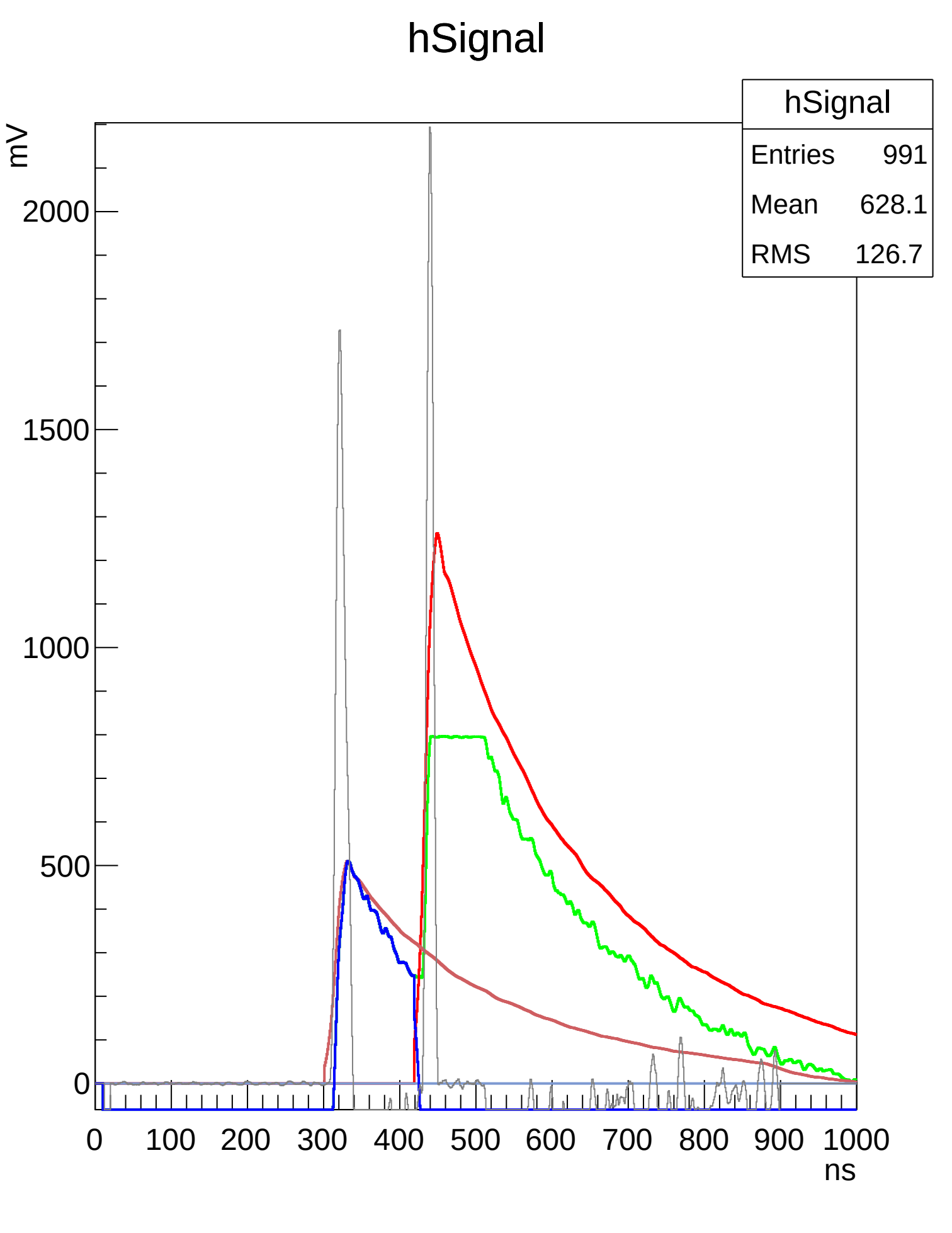

hSignal
hSignal
Entries 991
Mean 562.9
RMS 170.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

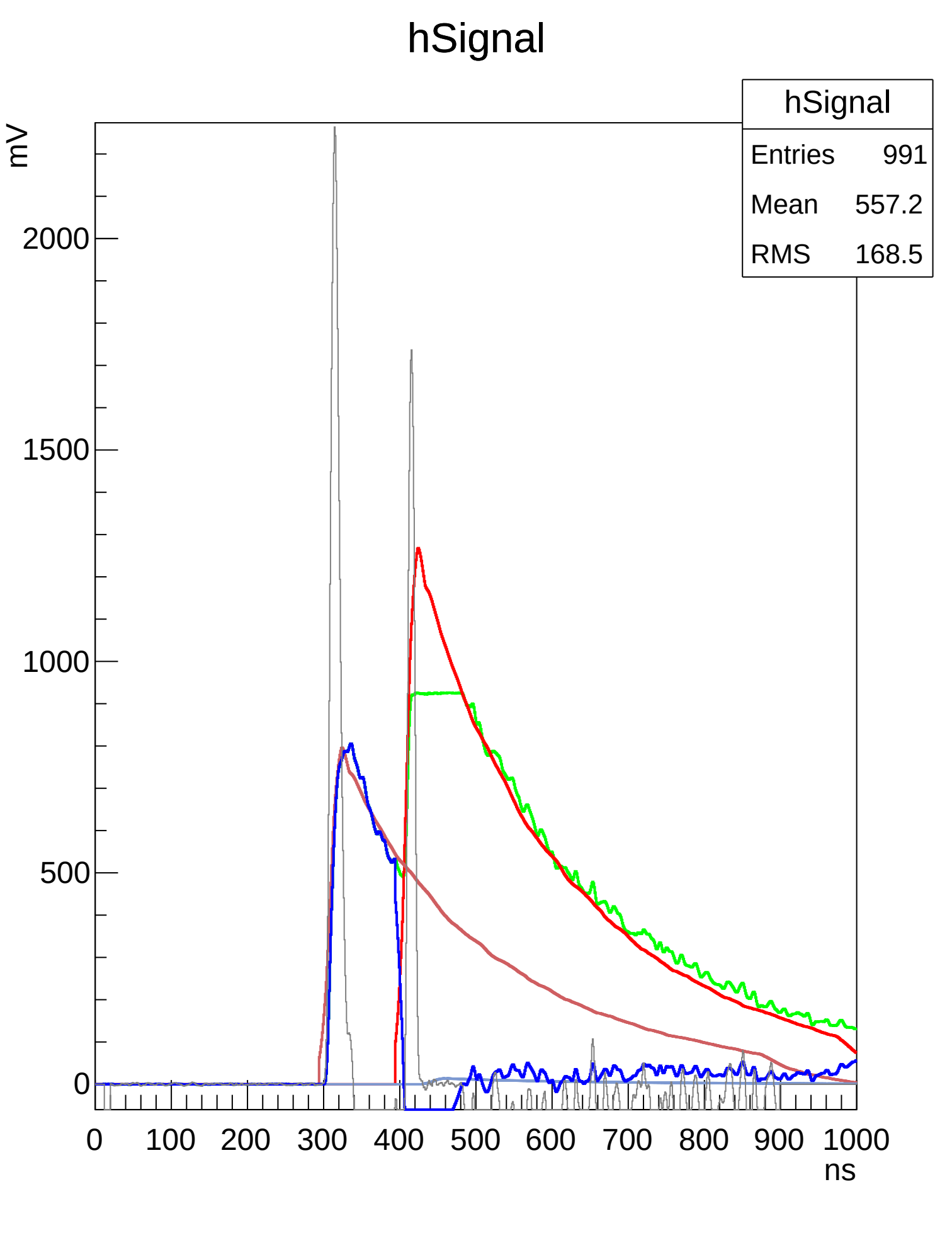

hSignal
hSignal
Entries 991
Mean 539.4
RMS 178
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

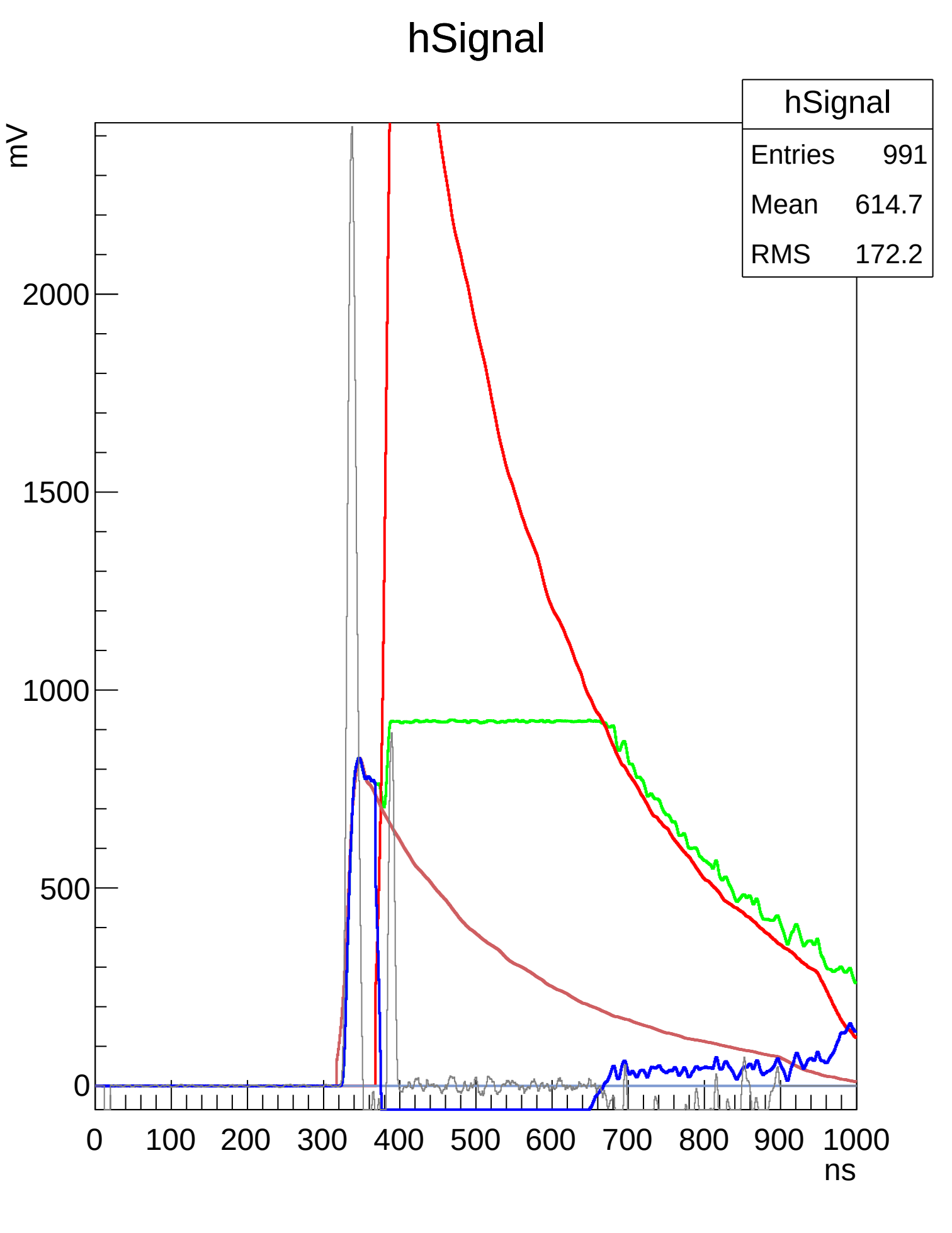

hSignal
hSignal
Entries 991
Mean 540.7
RMS 170.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

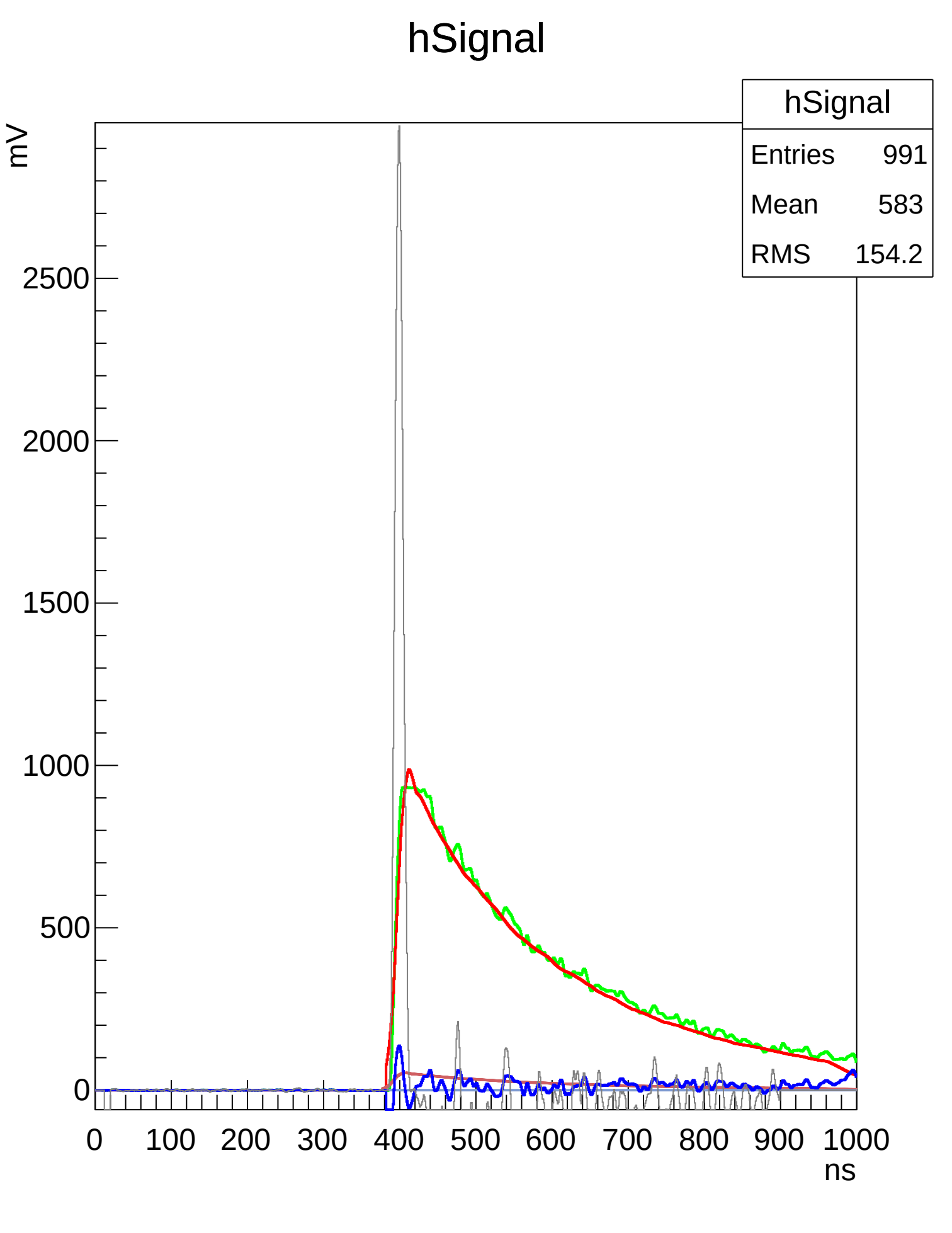

hSignal
hSignal
Entries 991
Mean 550.7
RMS 162.7
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

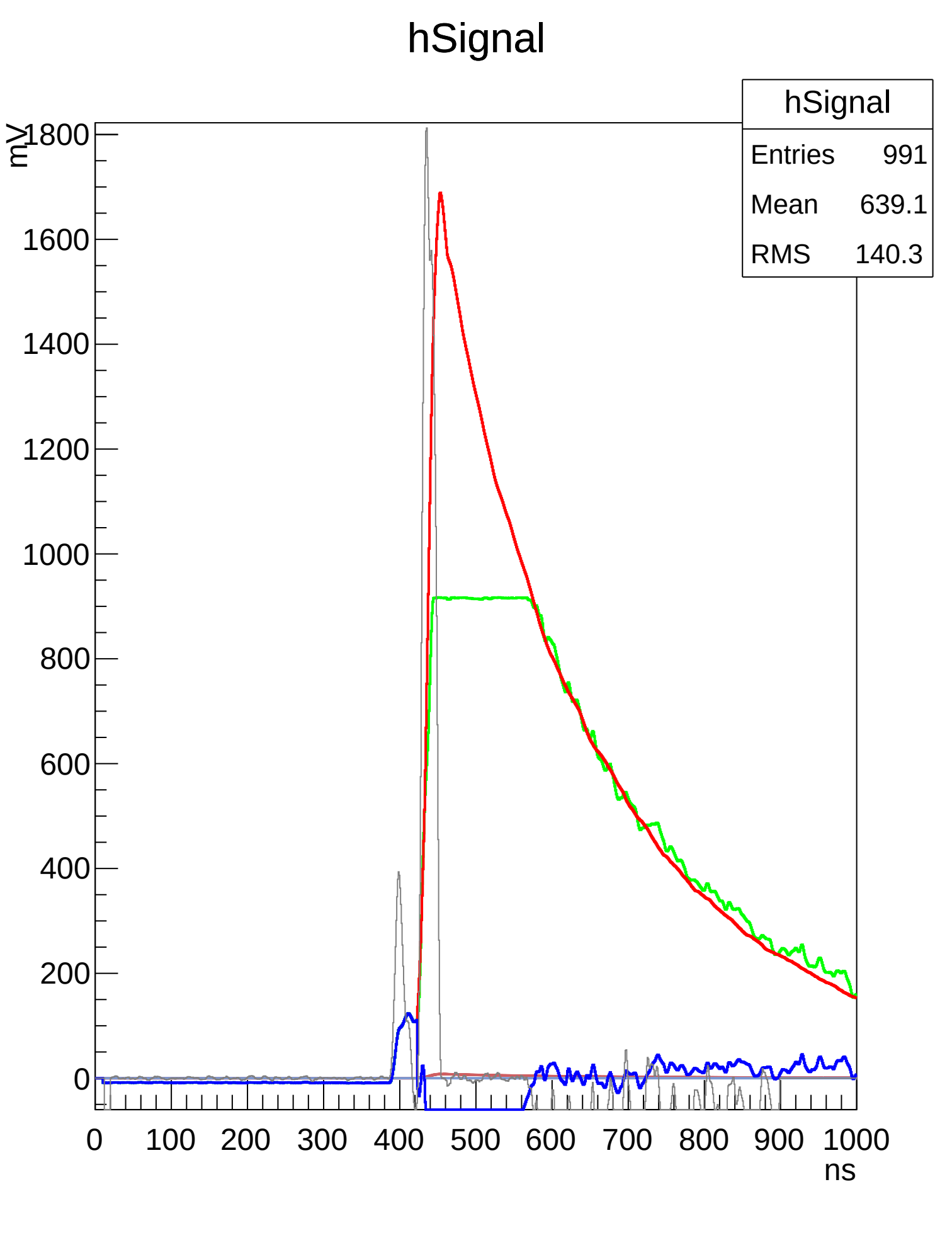

hSignal
hSignal
Entries 991
Mean 563.8
RMS 170.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

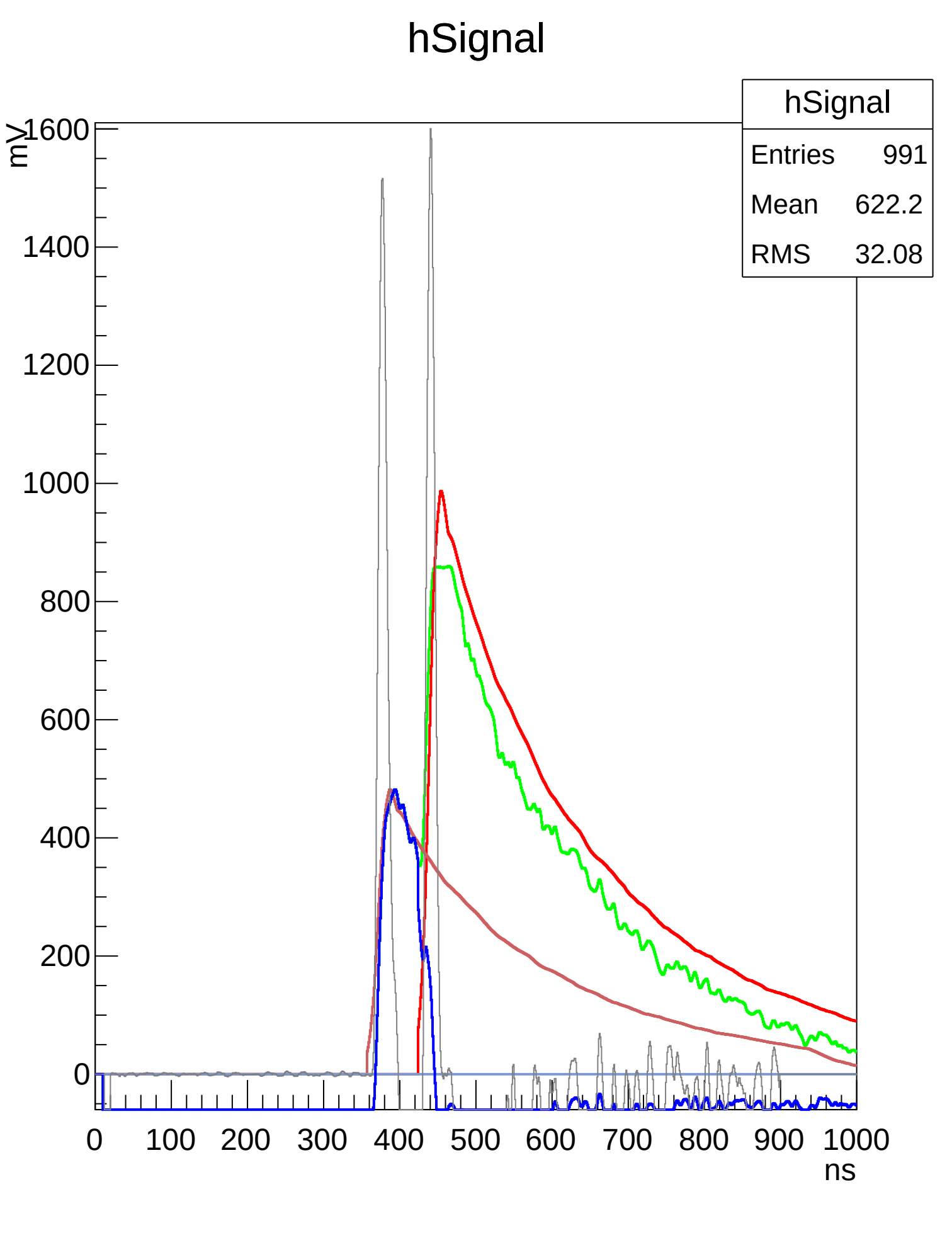

hSignal
hSignal
Entries 991
Mean 628.1
RMS 126.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

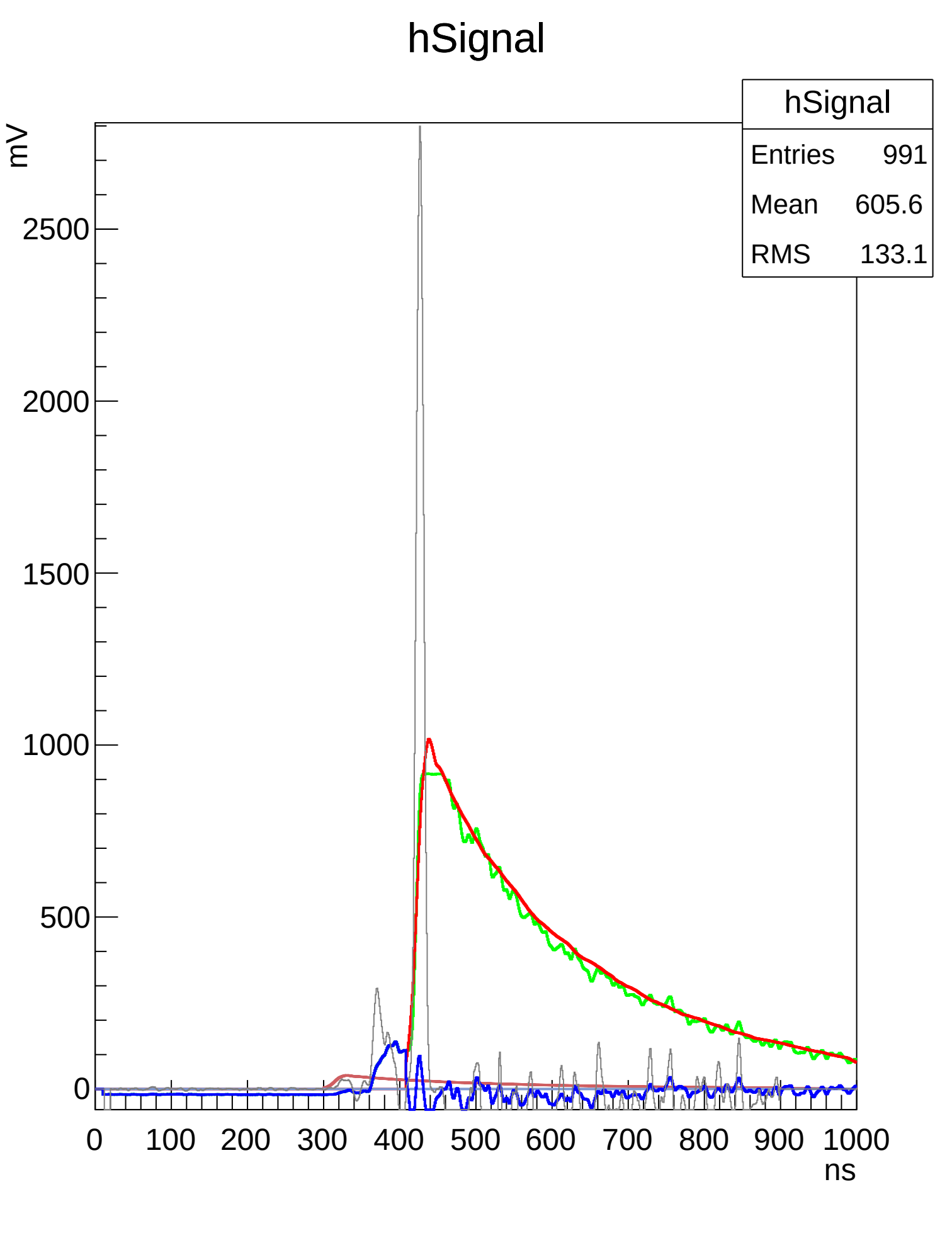

hSignal
hSignal
Entries 991
Mean 557.2
RMS 168.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

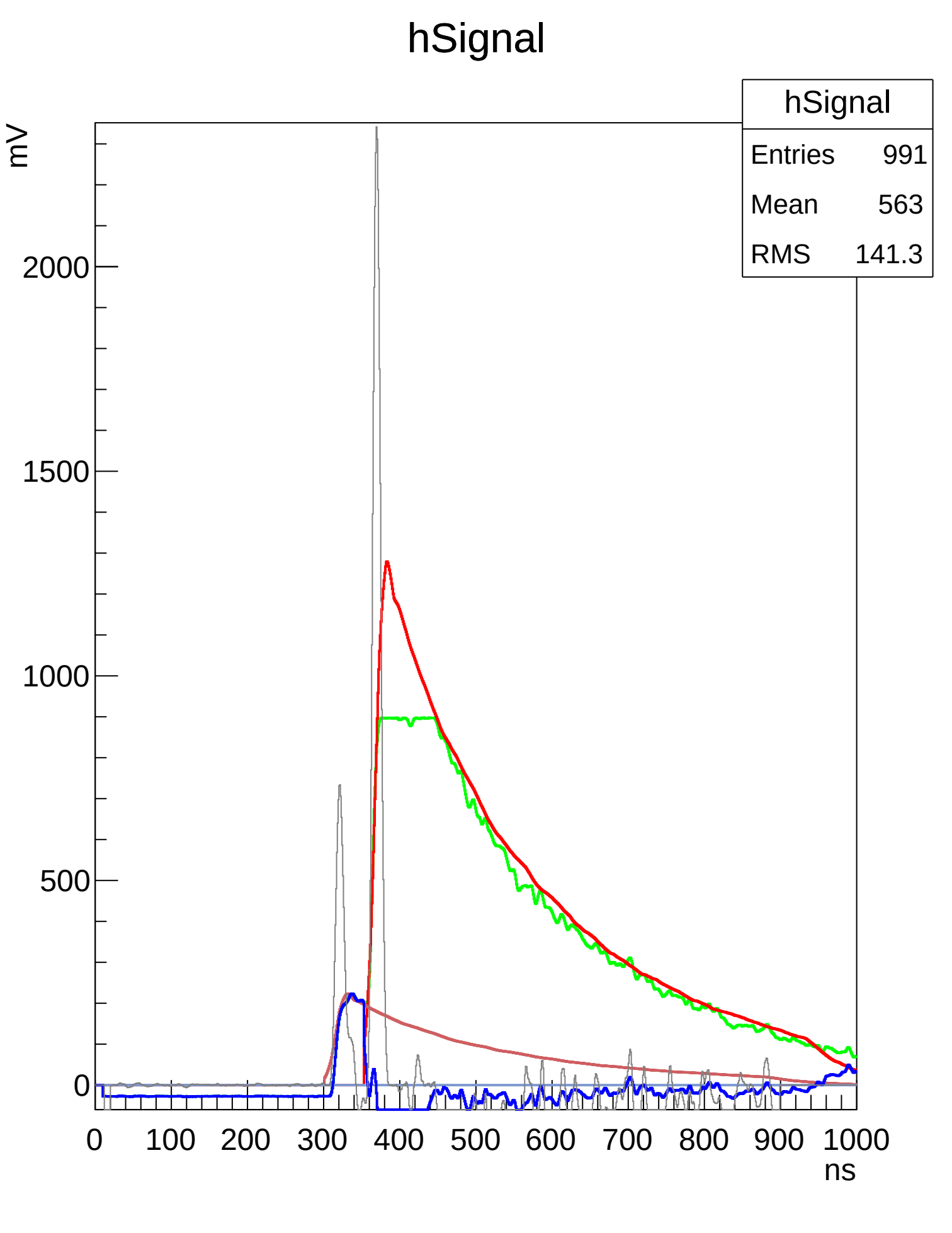

hSignal
hSignal
Entries 991
Mean 614.7
RMS 172.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

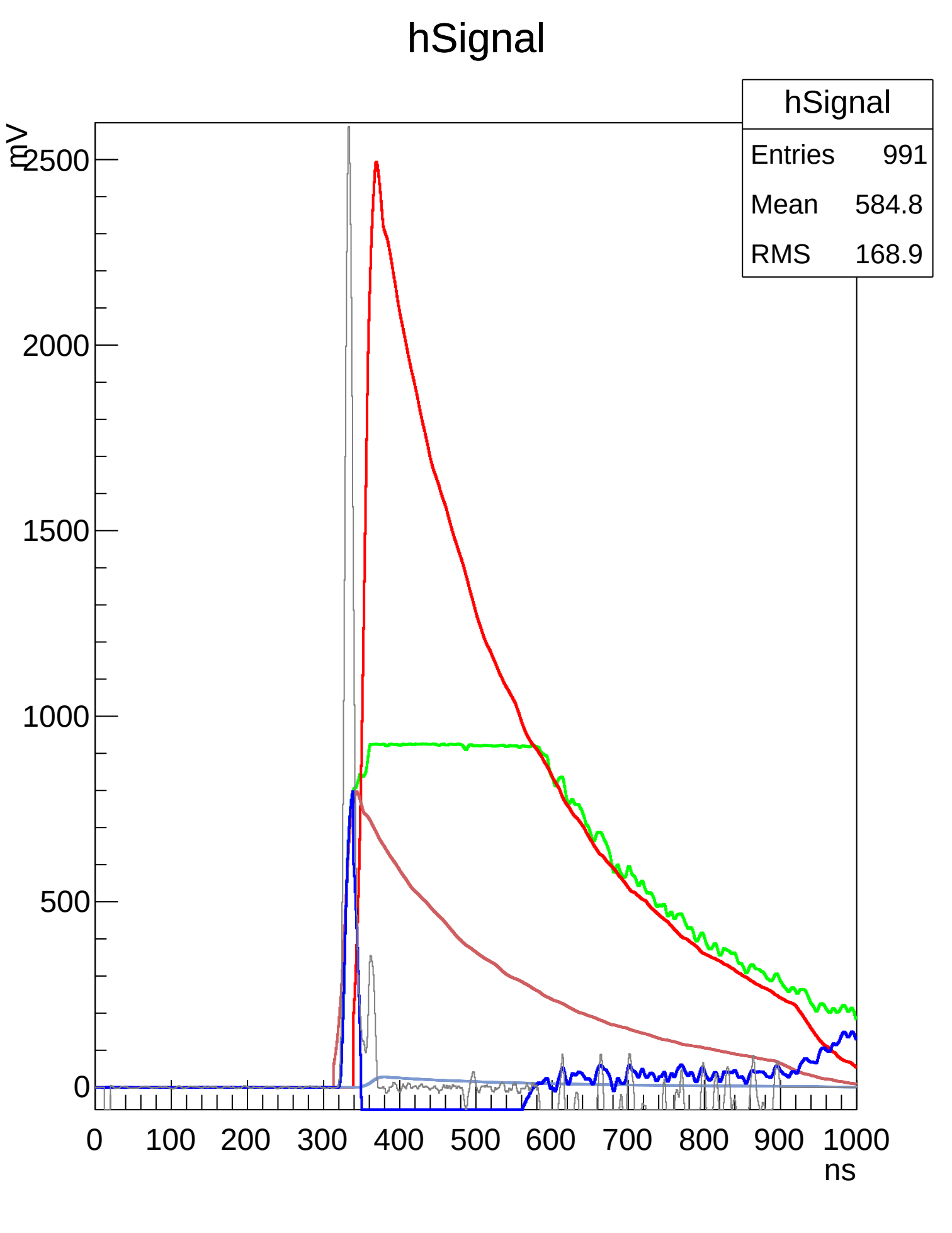

hSignal
hSignal
Entries 991
Mean 583
RMS 154.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

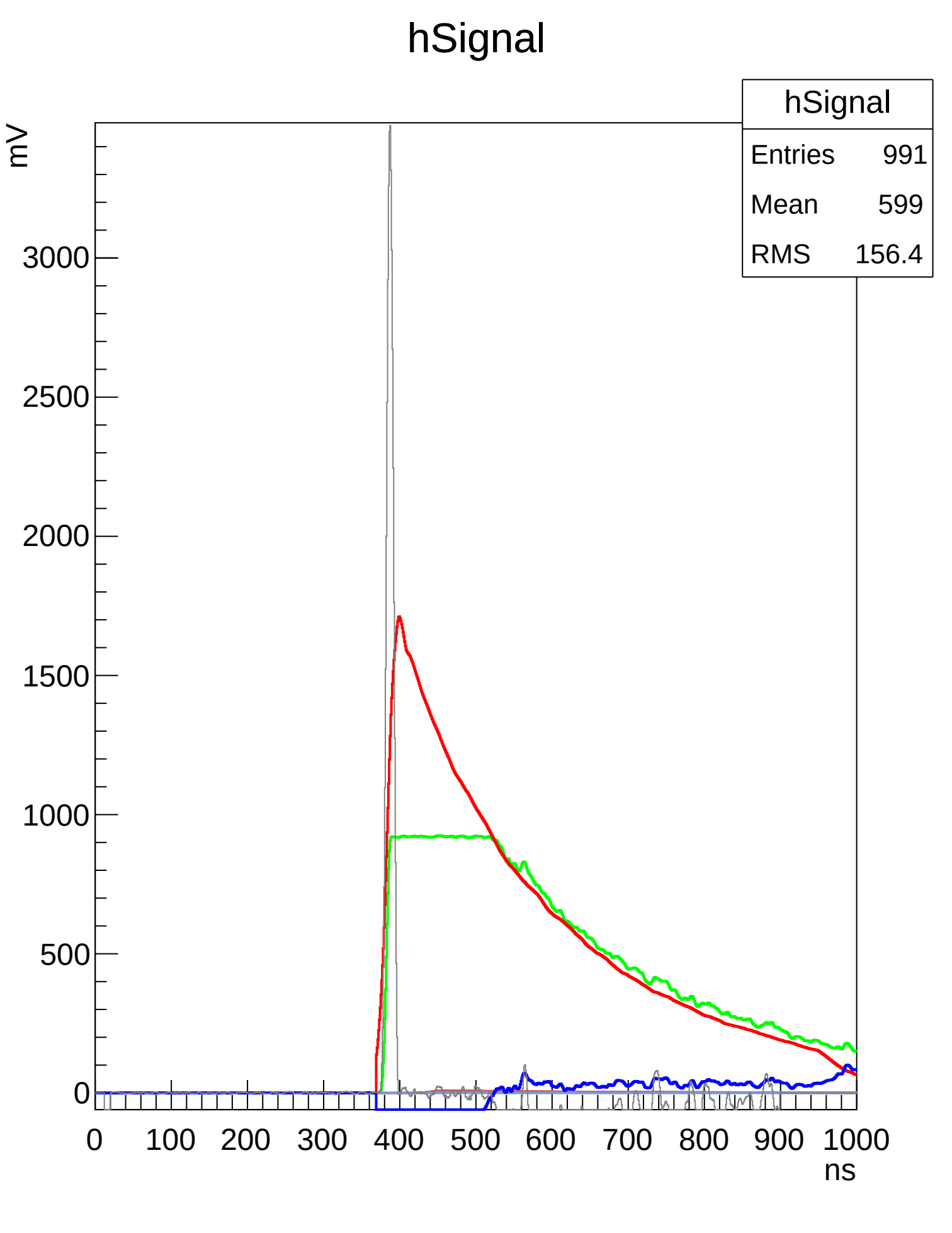

hSignal
hSignal
Entries 991
Mean 639.1
RMS 140.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

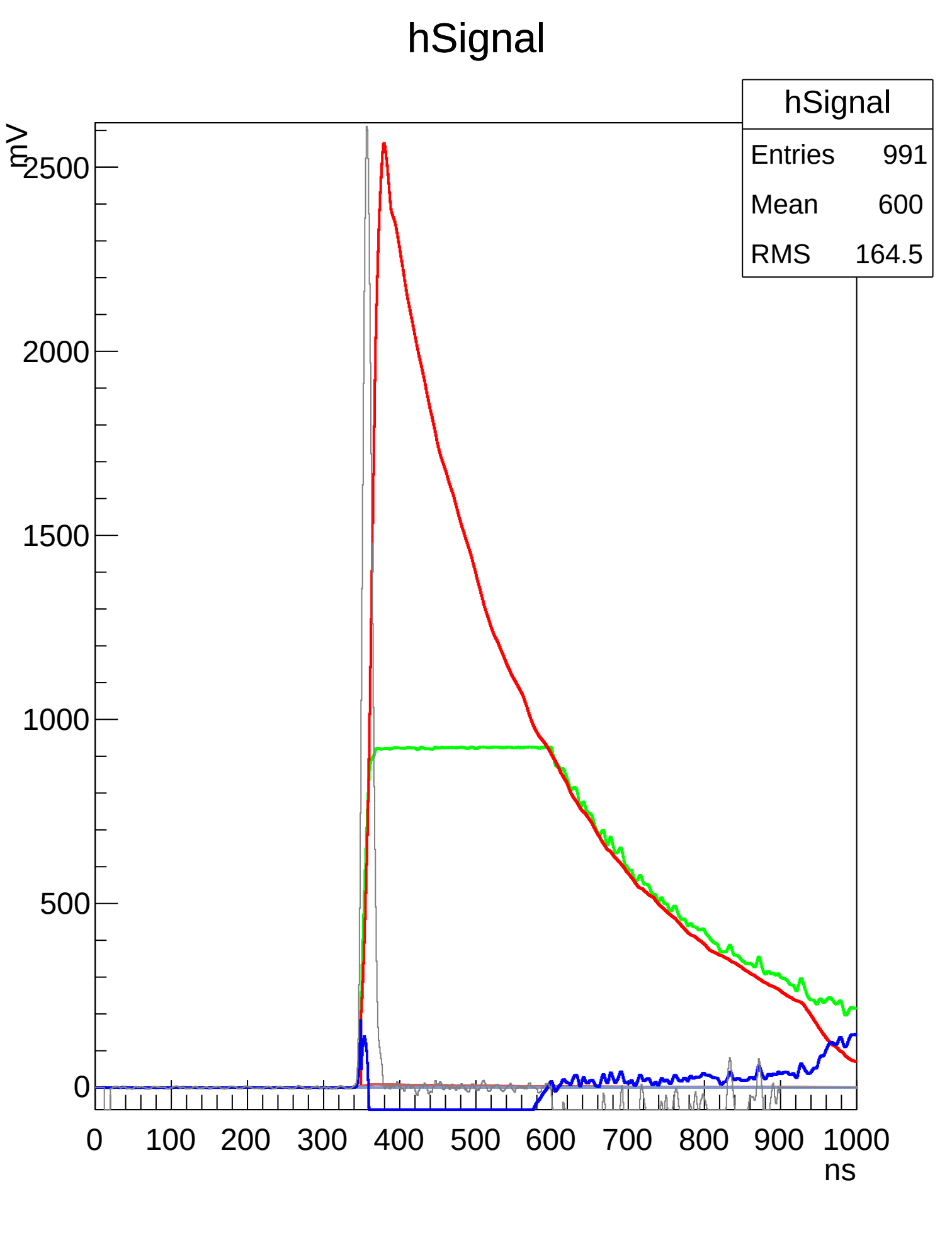

hSignal
hSignal
Entries 991
Mean 622.2
RMS 32.08
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

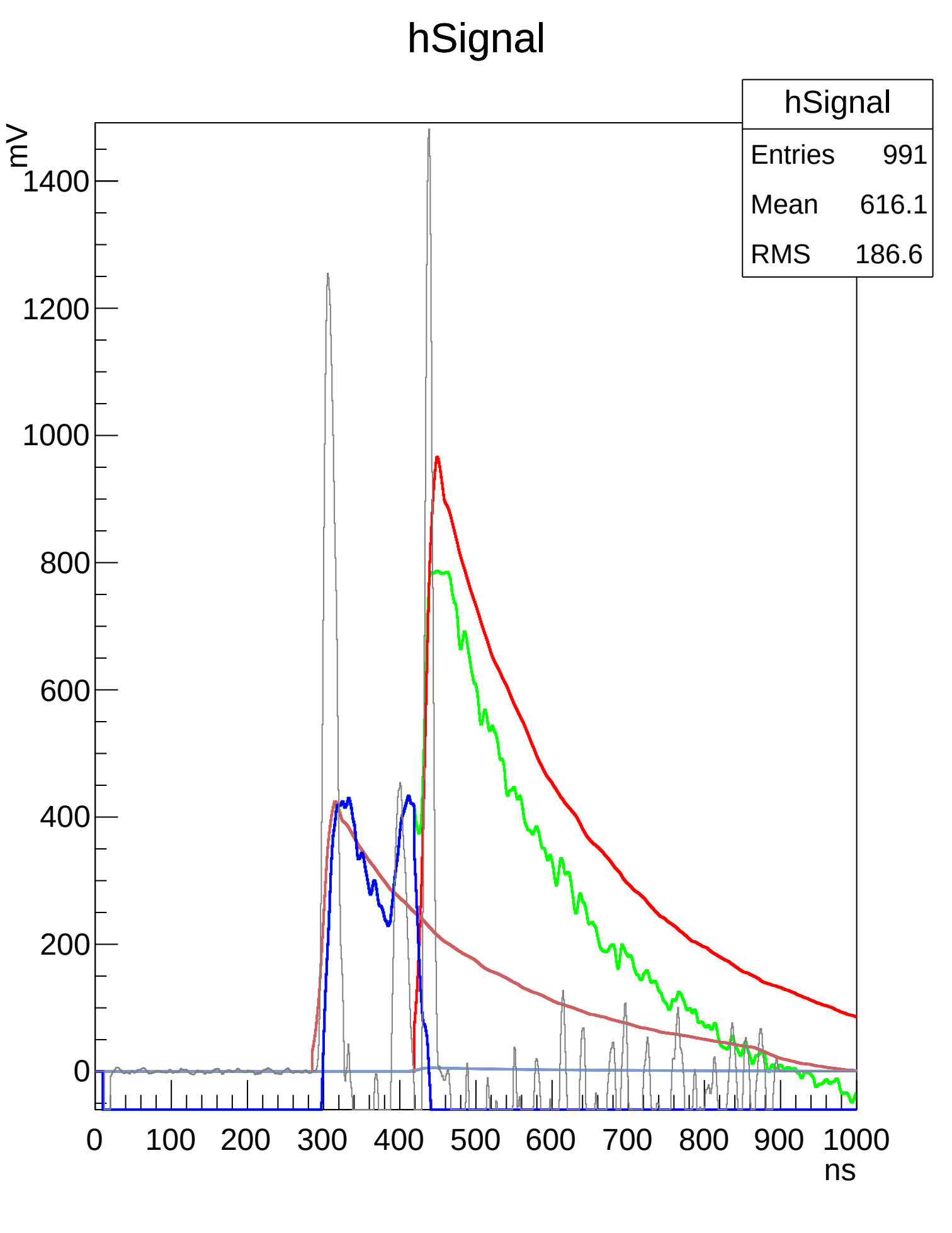

hSignal
hSignal
Entries 991
Mean 605.6
RMS 133.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

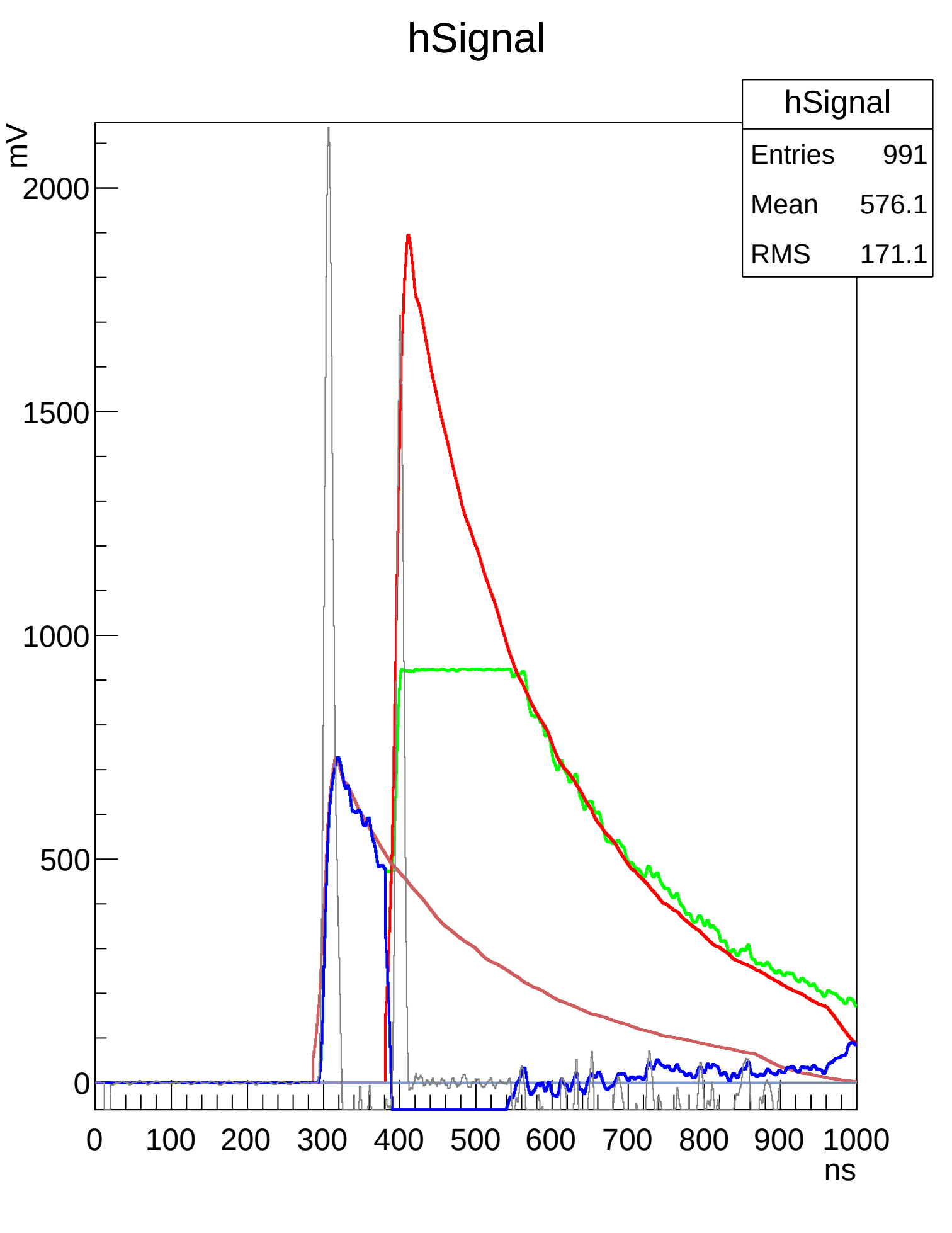

hSignal
hSignal
Entries 991
Mean 563
RMS 141.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

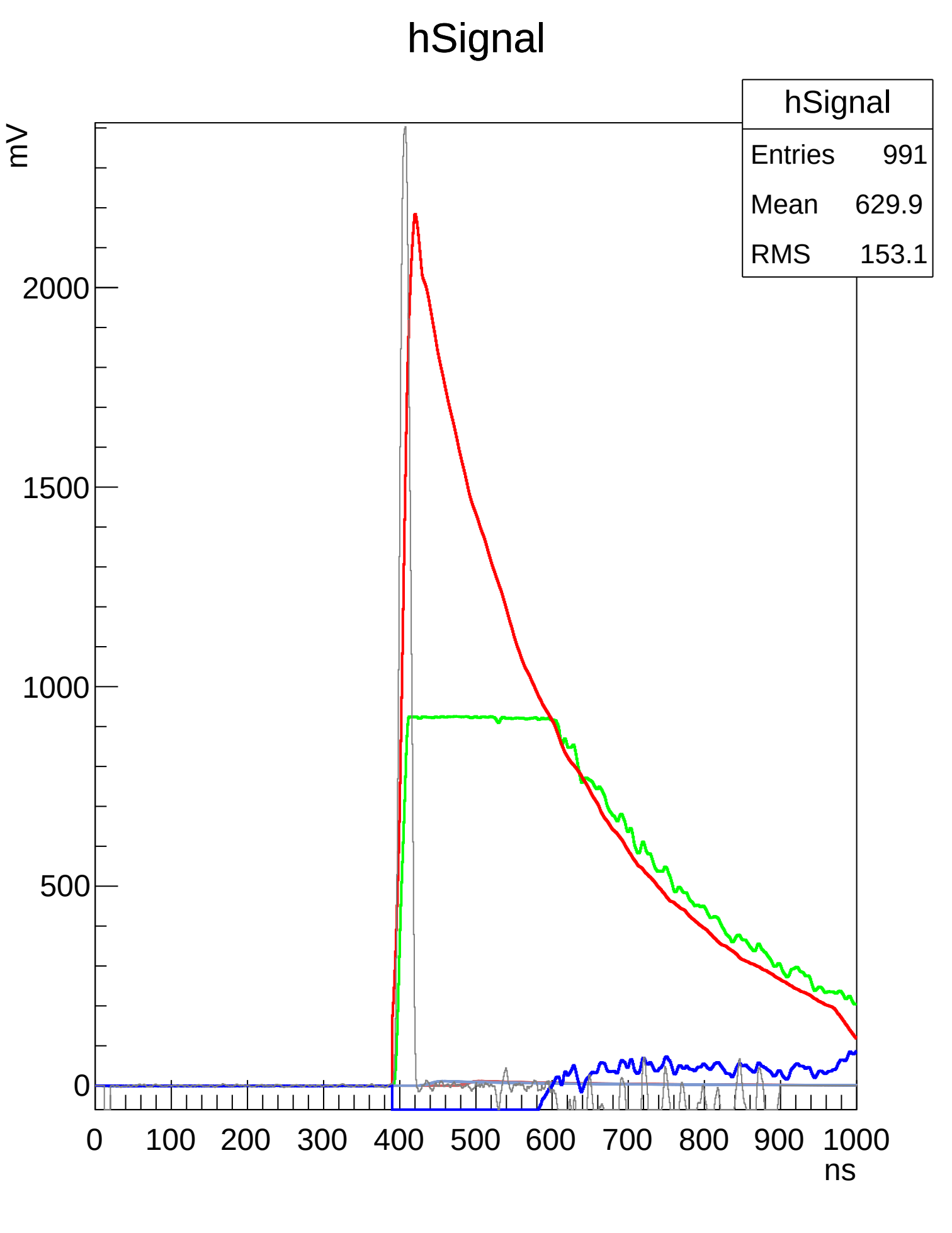

hSignal
hSignal
Entries 991
Mean 584.8
RMS 168.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

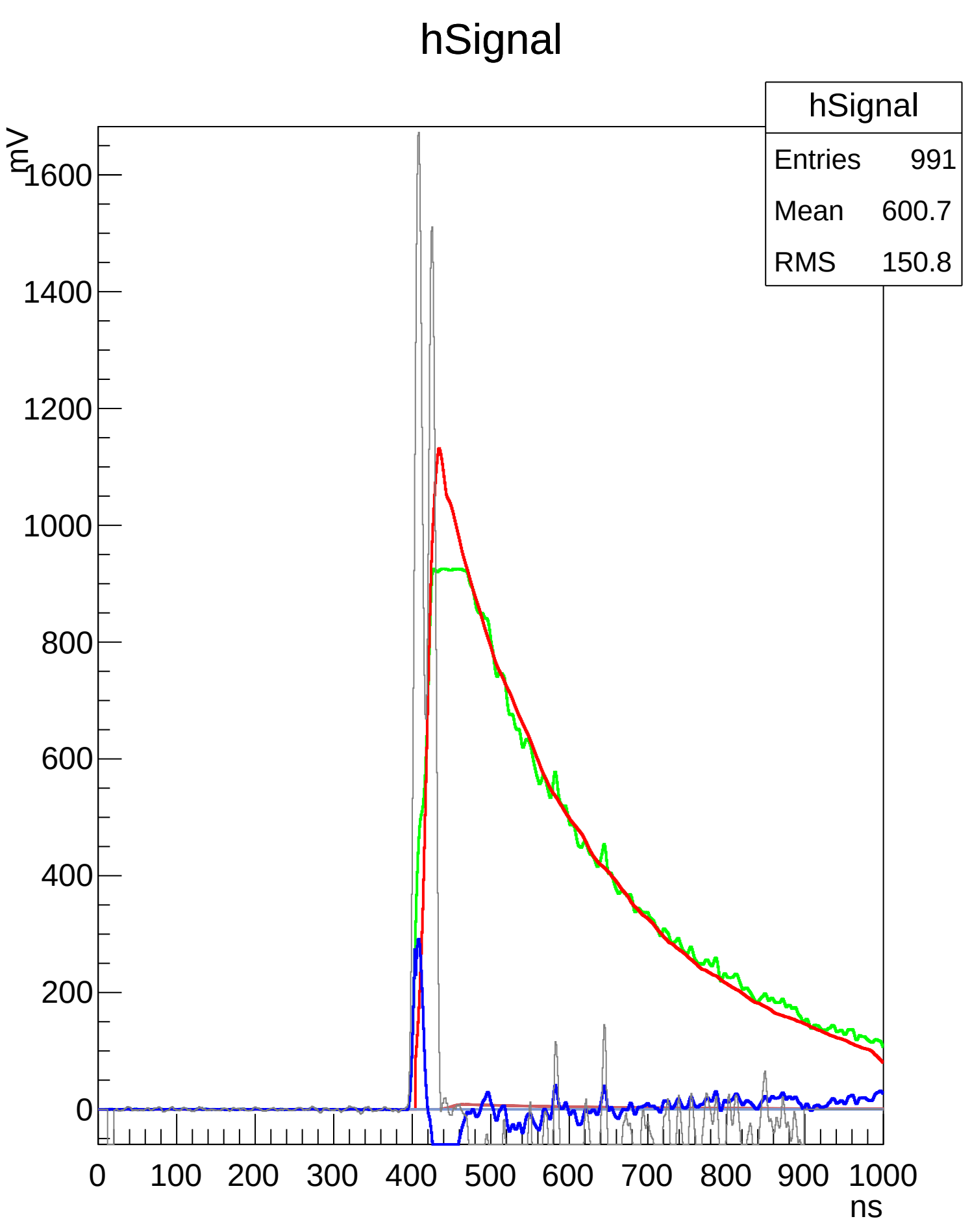

hSignal
hSignal
Entries 991
Mean 599
RMS 156.4
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

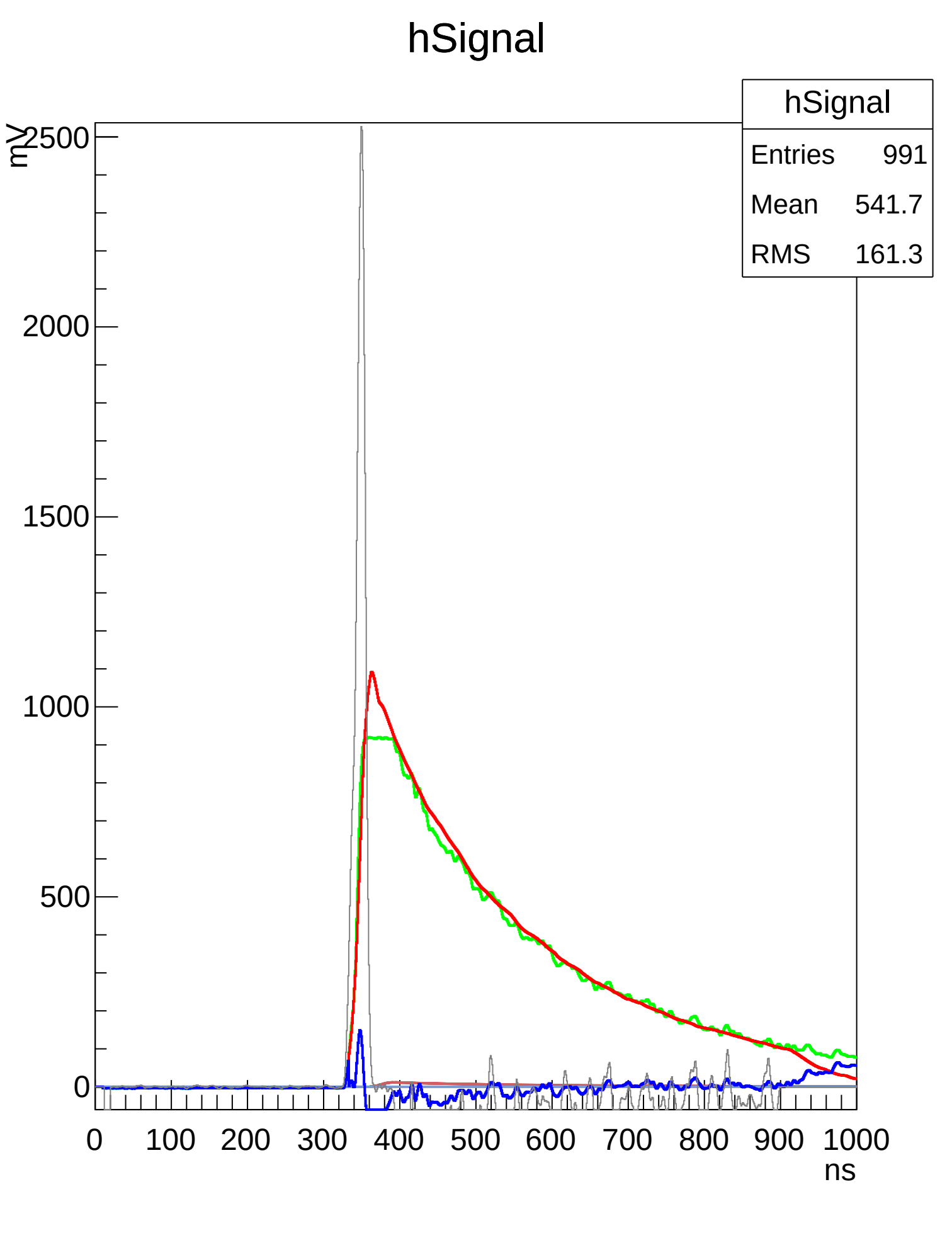

hSignal
hSignal
Entries 991
Mean 600
RMS 164.5
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

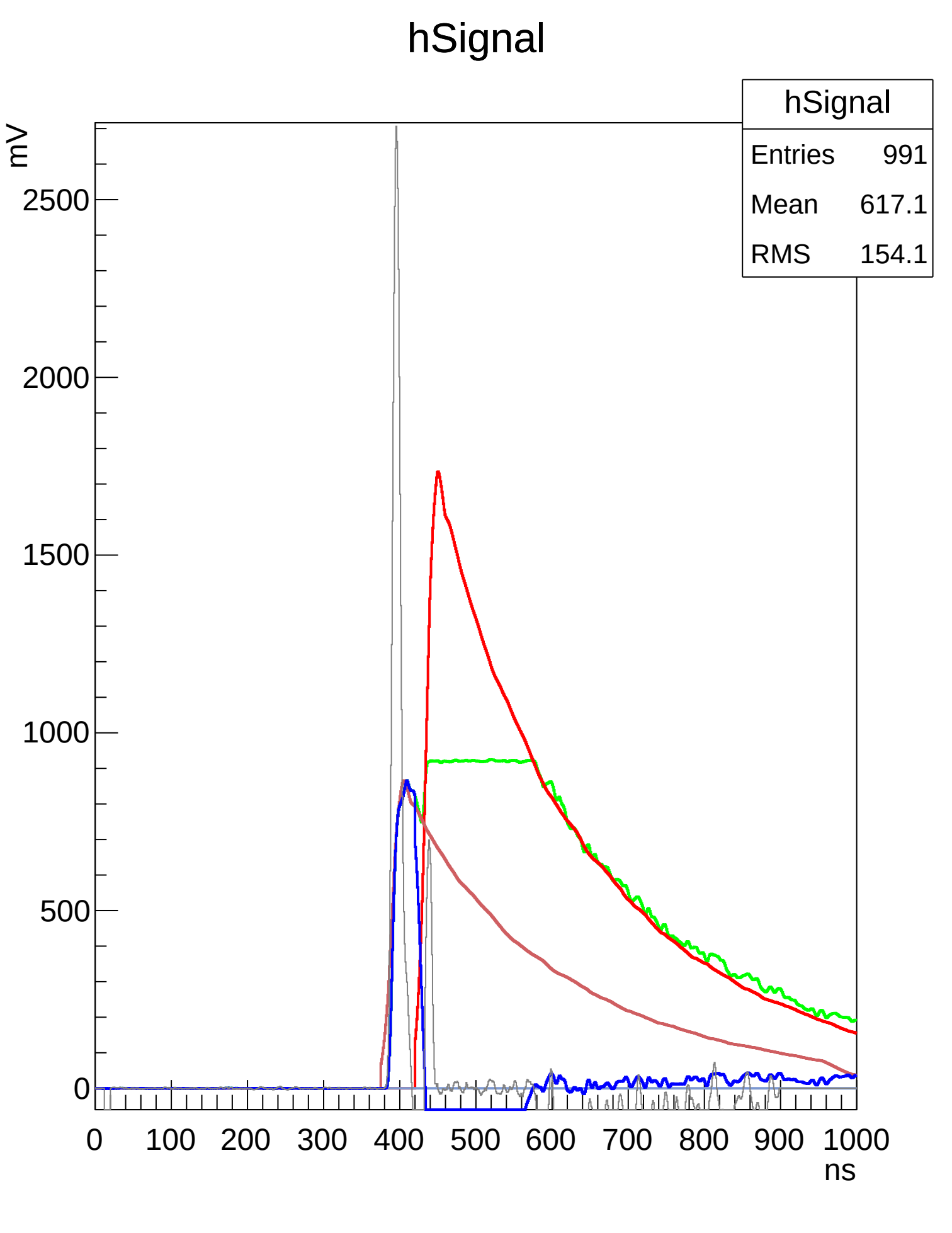

hSignal
hSignal
Entries 991
Mean 616.1
RMS 186.6
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

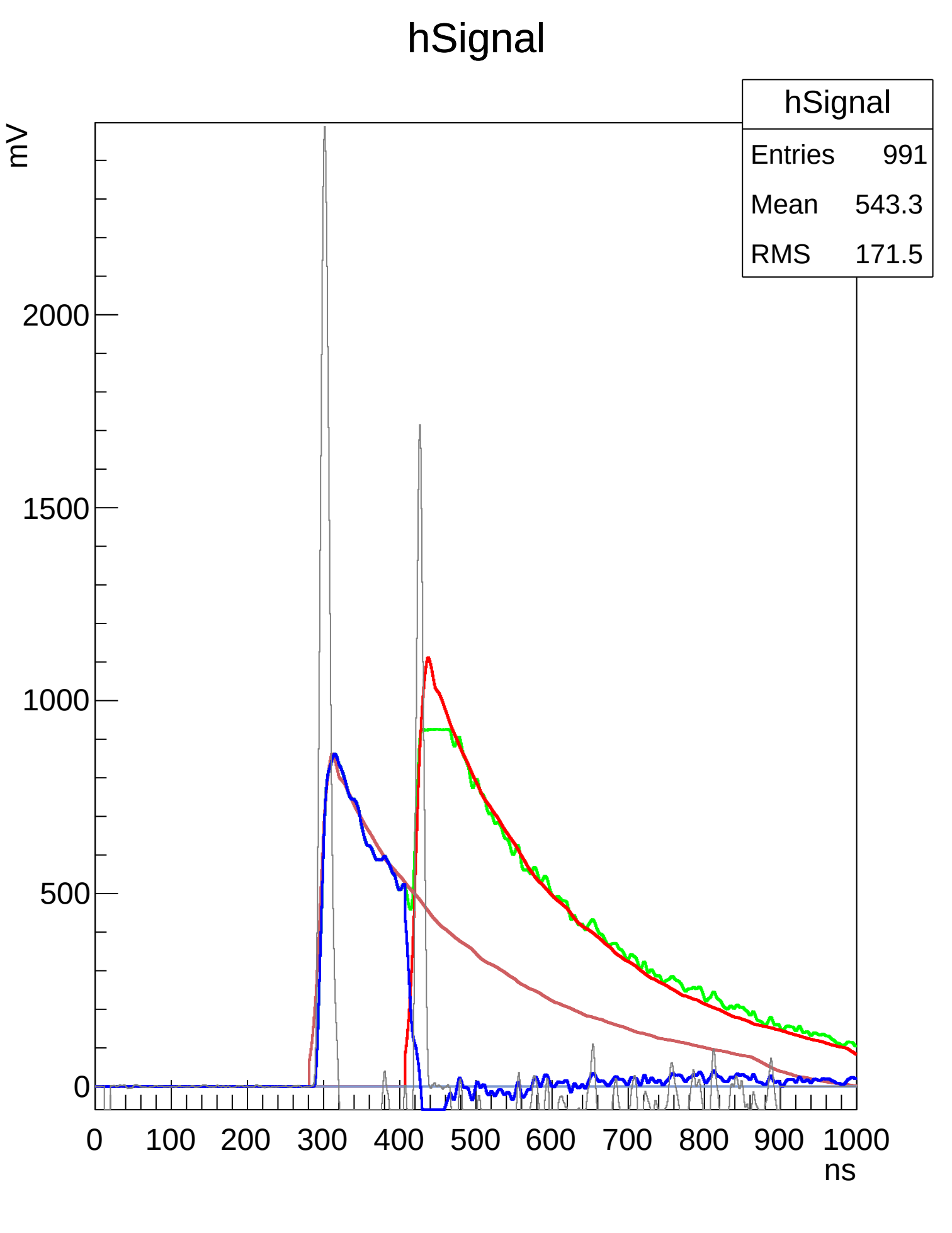

hSignal
hSignal
Entries 991
Mean 576.1
RMS 171.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

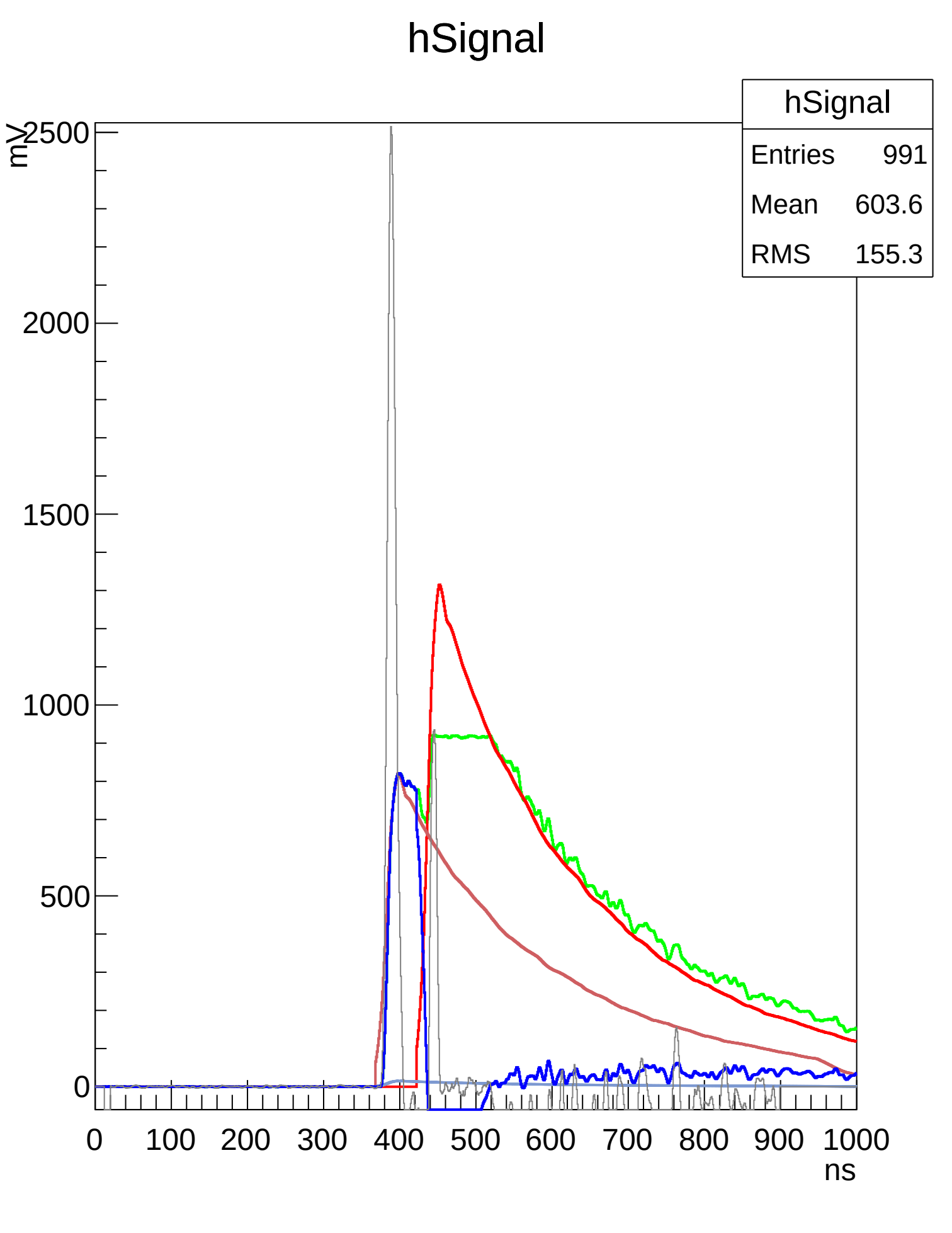

hSignal
hSignal
Entries 991
Mean 629.9
RMS 153.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

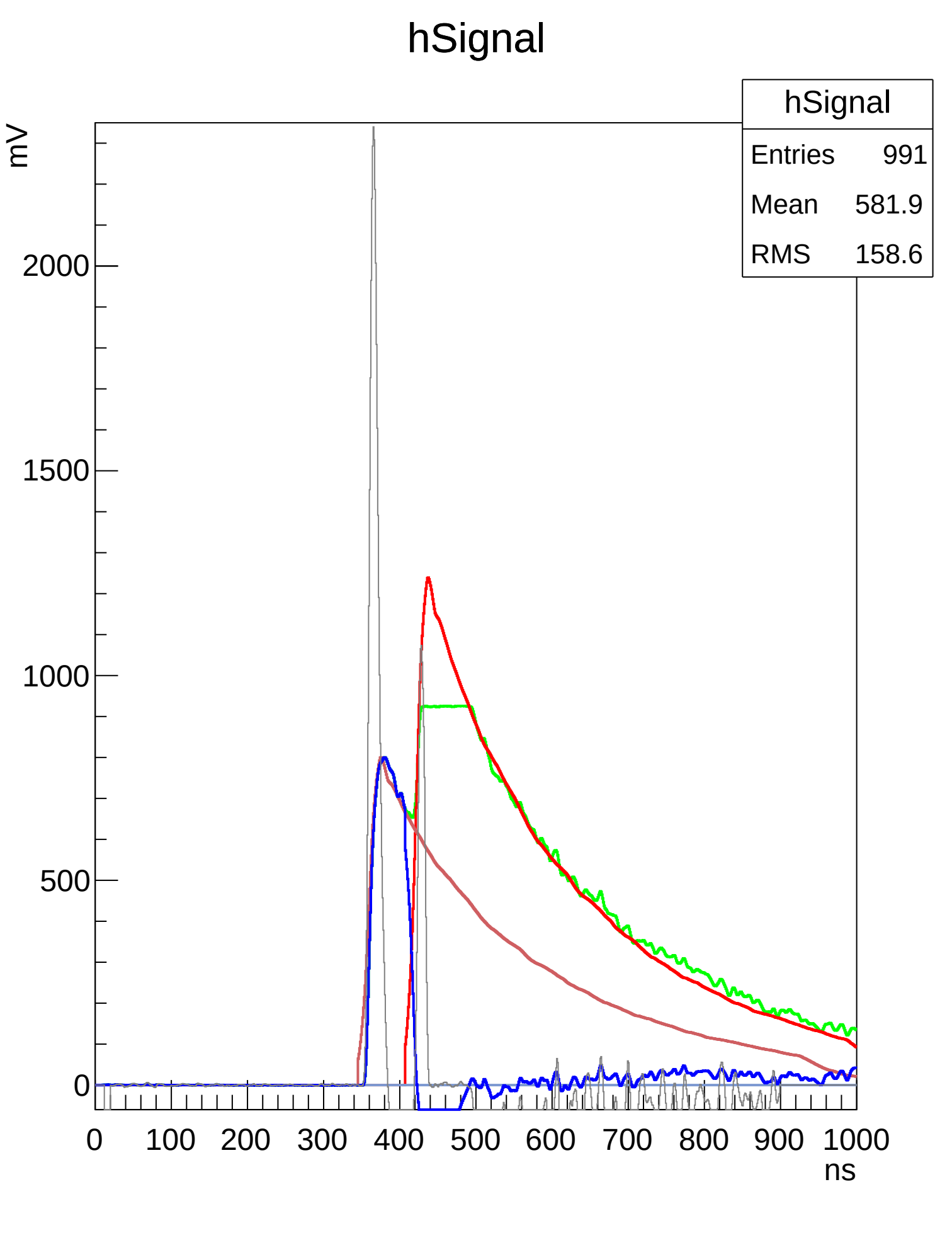

hSignal
hSignal
Entries 991
Mean 600.7
RMS 150.8
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

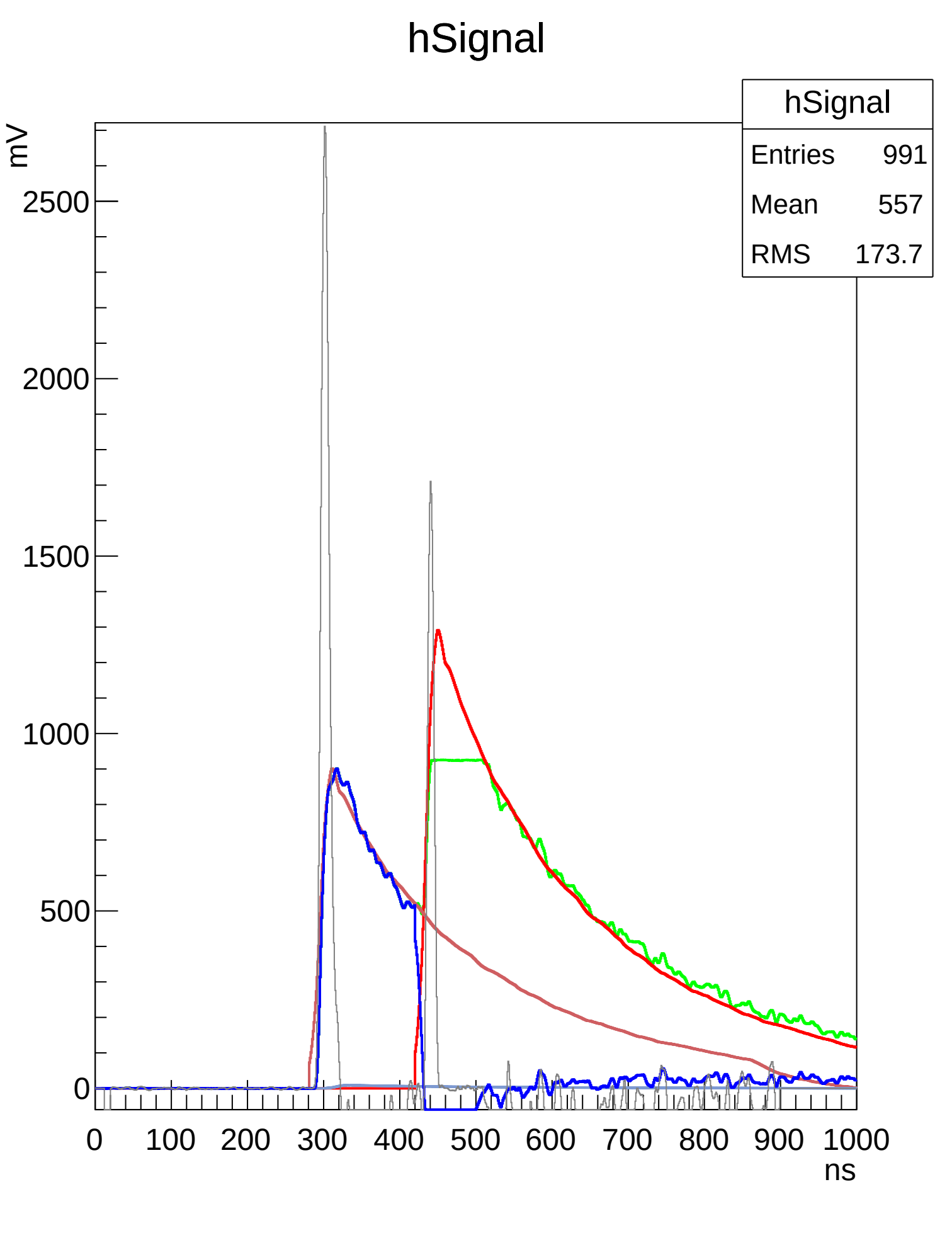

hSignal
hSignal
Entries 991
Mean 541.7
RMS 161.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

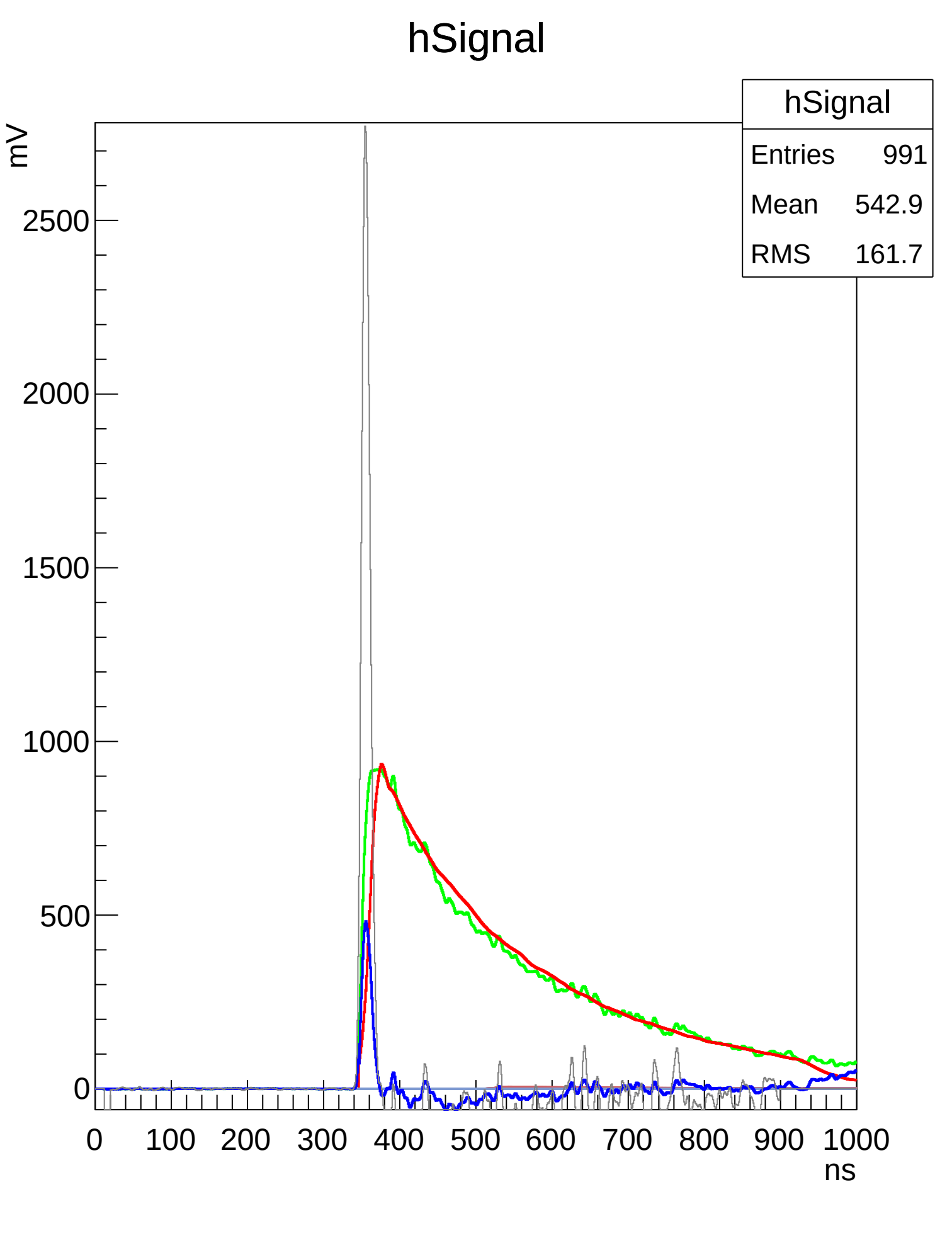

hSignal
hSignal
Entries 991
Mean 617.1
RMS 154.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

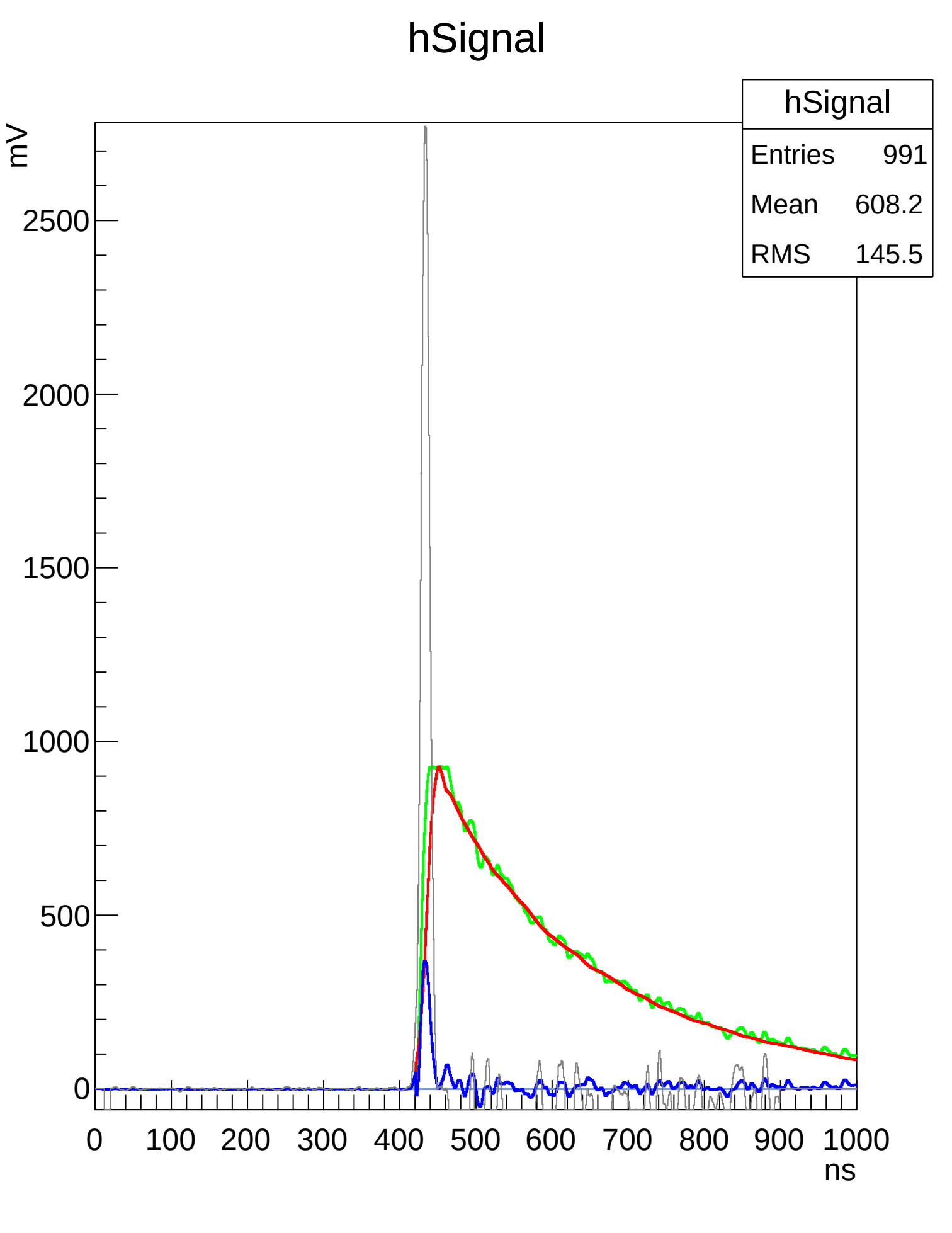

hSignal
hSignal
Entries 991
Mean 543.3
RMS 171.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

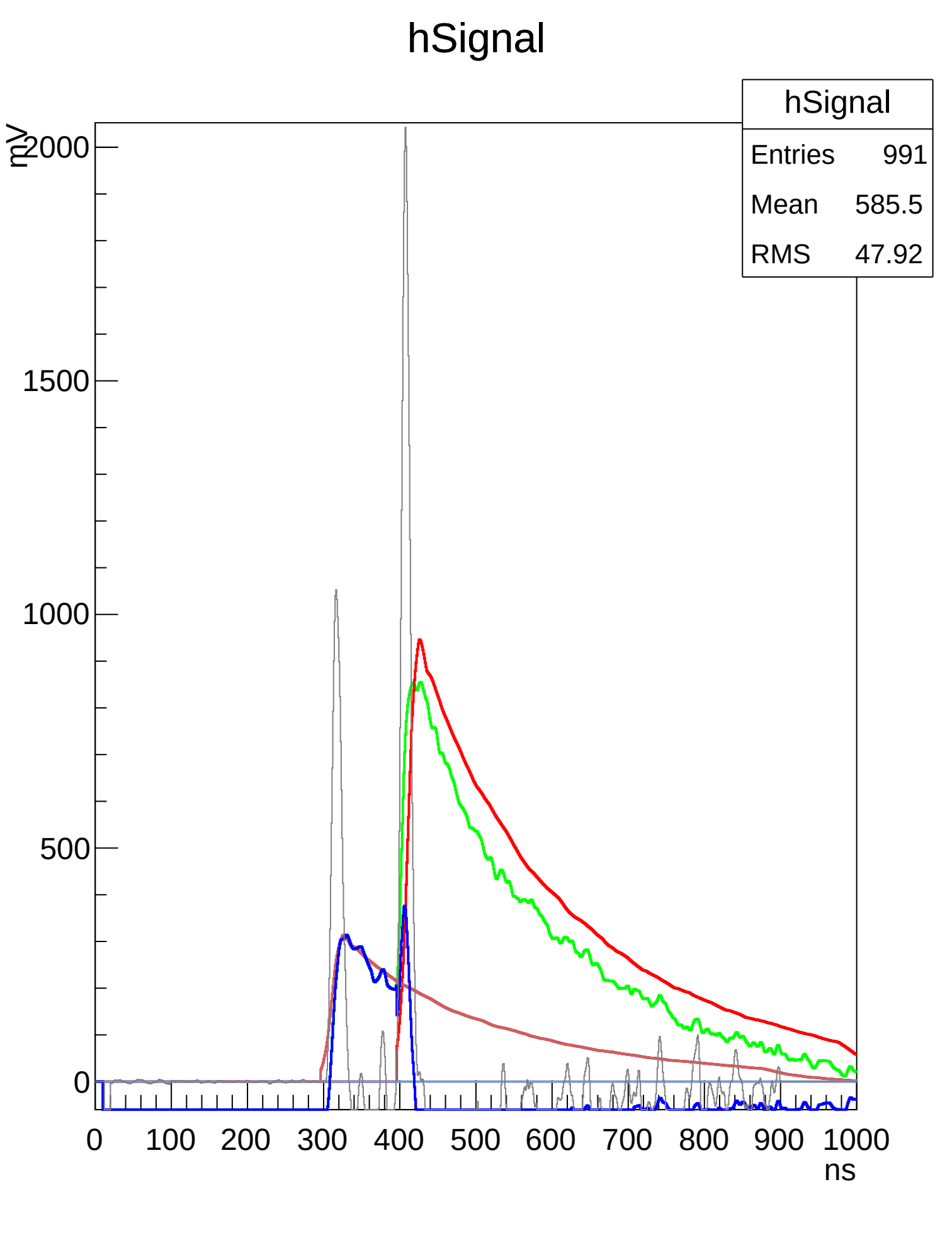

hSignal
hSignal
Entries 991
Mean 603.6
RMS 155.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

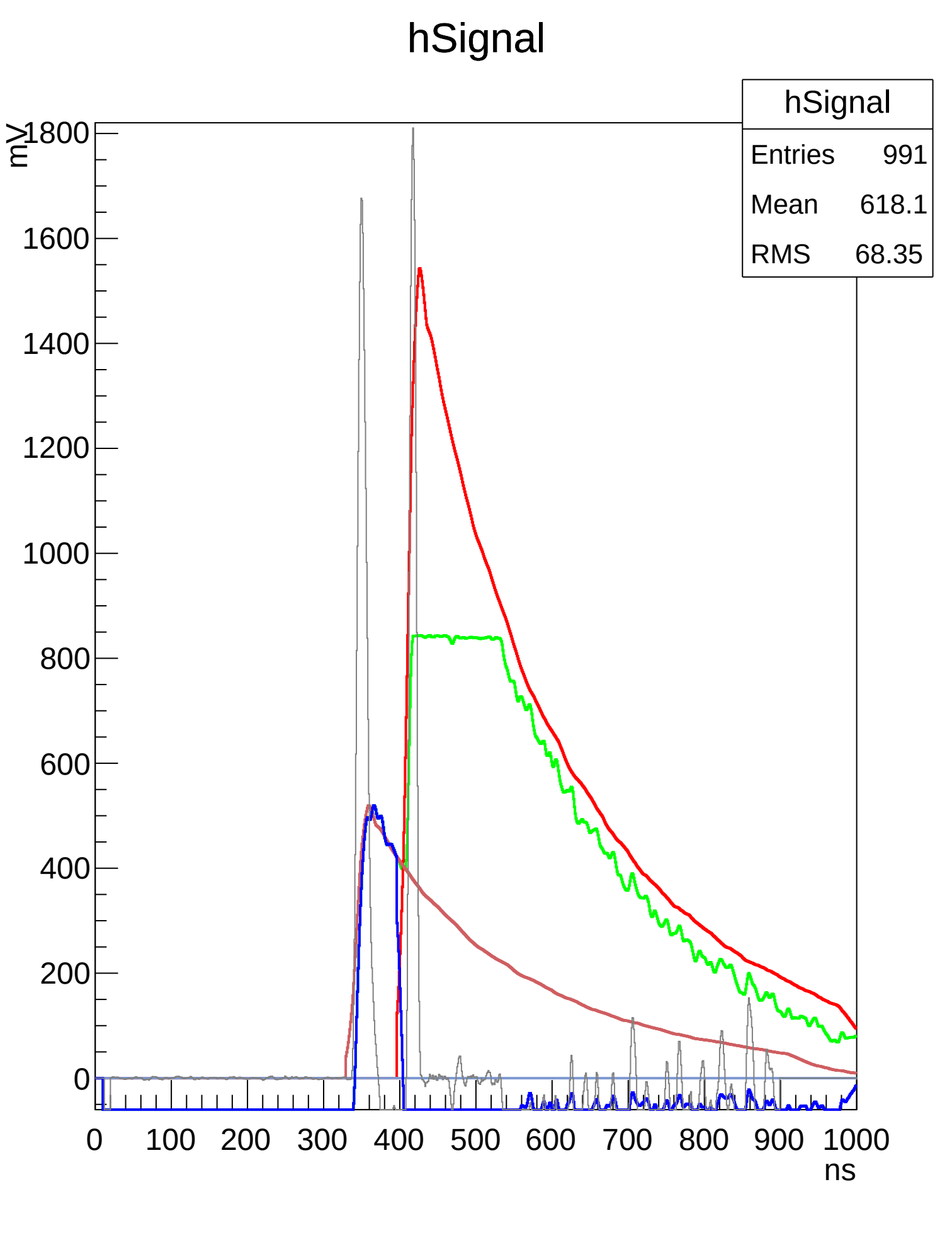

hSignal
hSignal
Entries 991
Mean 581.9
RMS 158.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

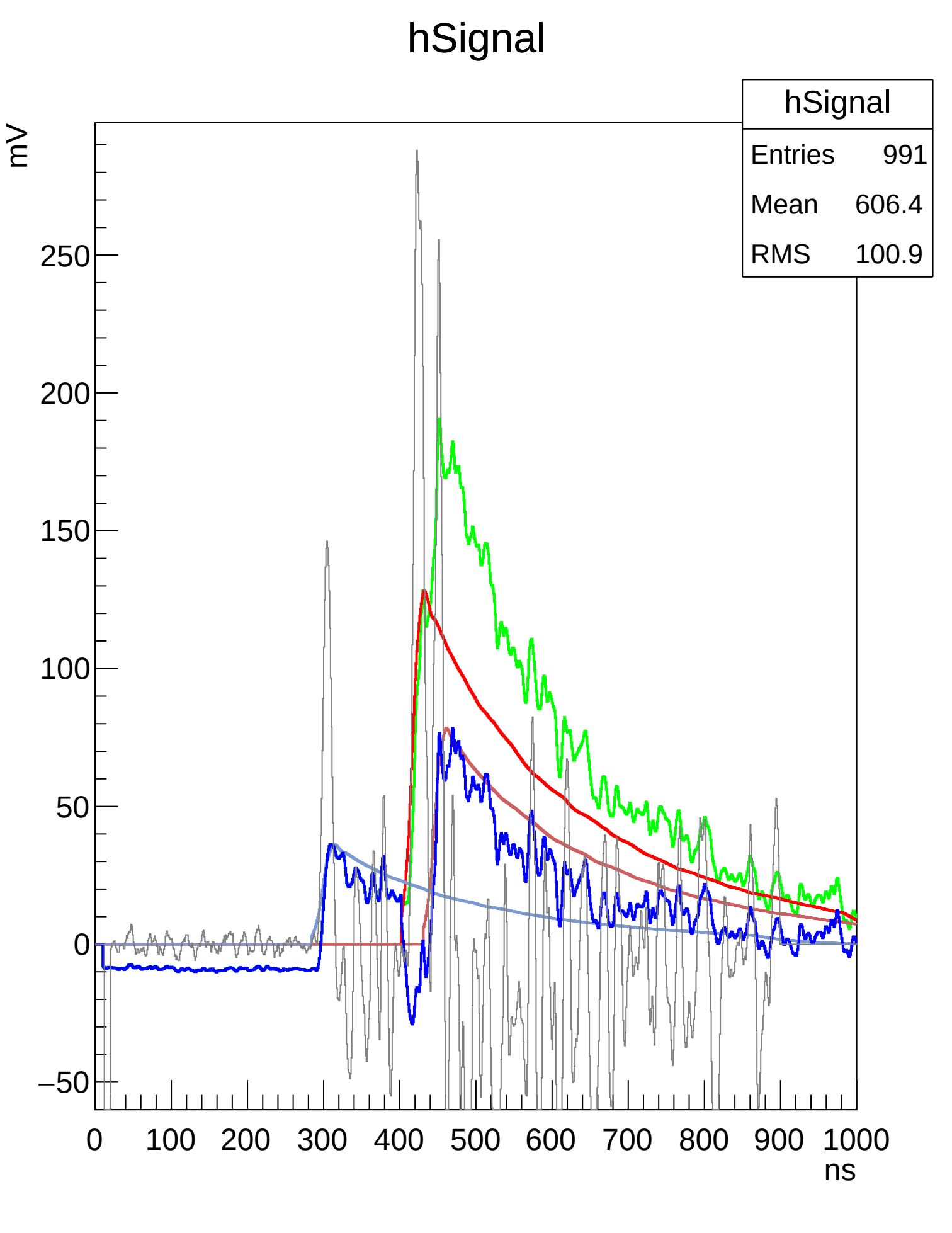

hSignal
hSignal
Entries 991
Mean 557
RMS 173.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

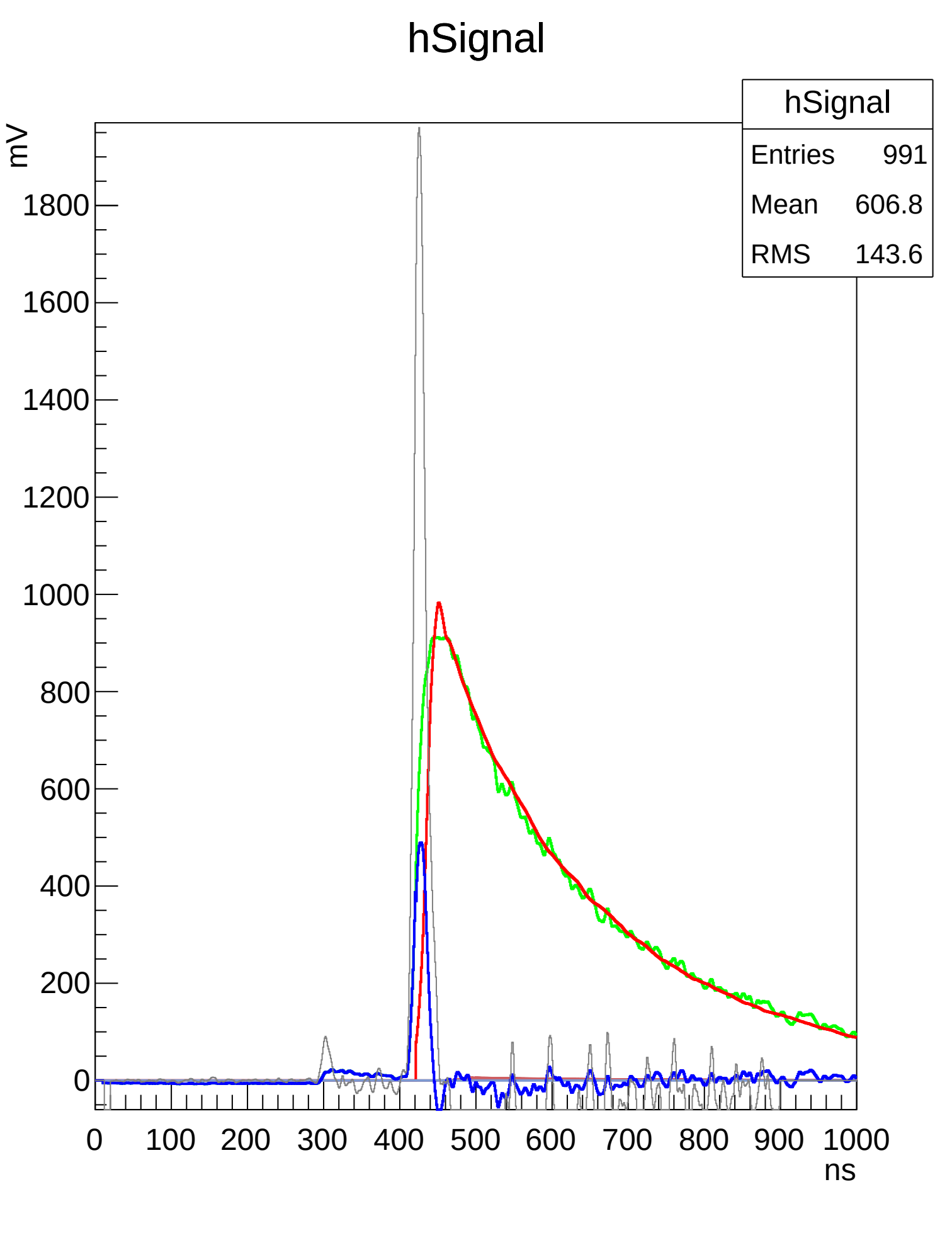

hSignal
hSignal
Entries 991
Mean 542.9
RMS 161.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

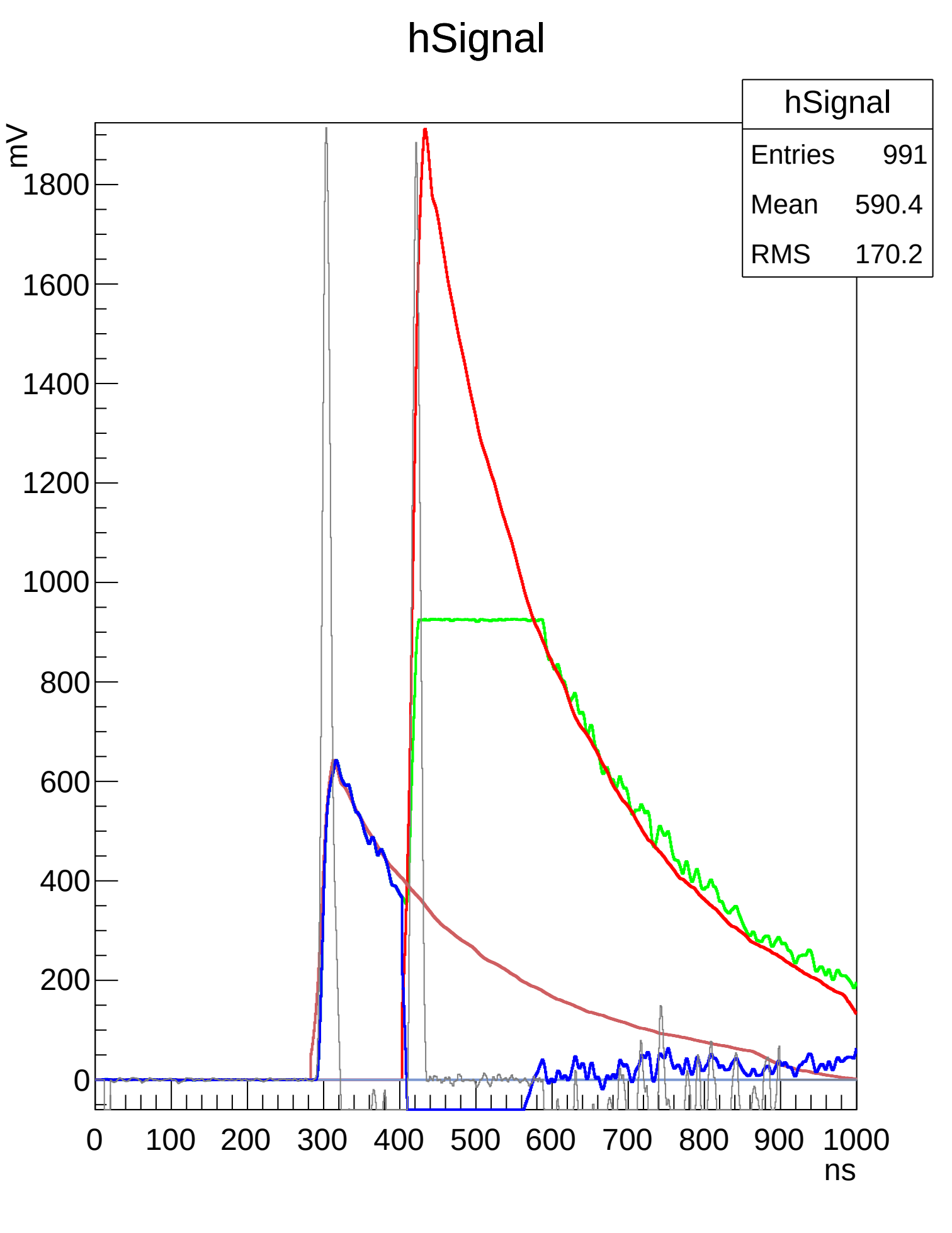

hSignal
hSignal
Entries 991
Mean 608.2
RMS 145.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

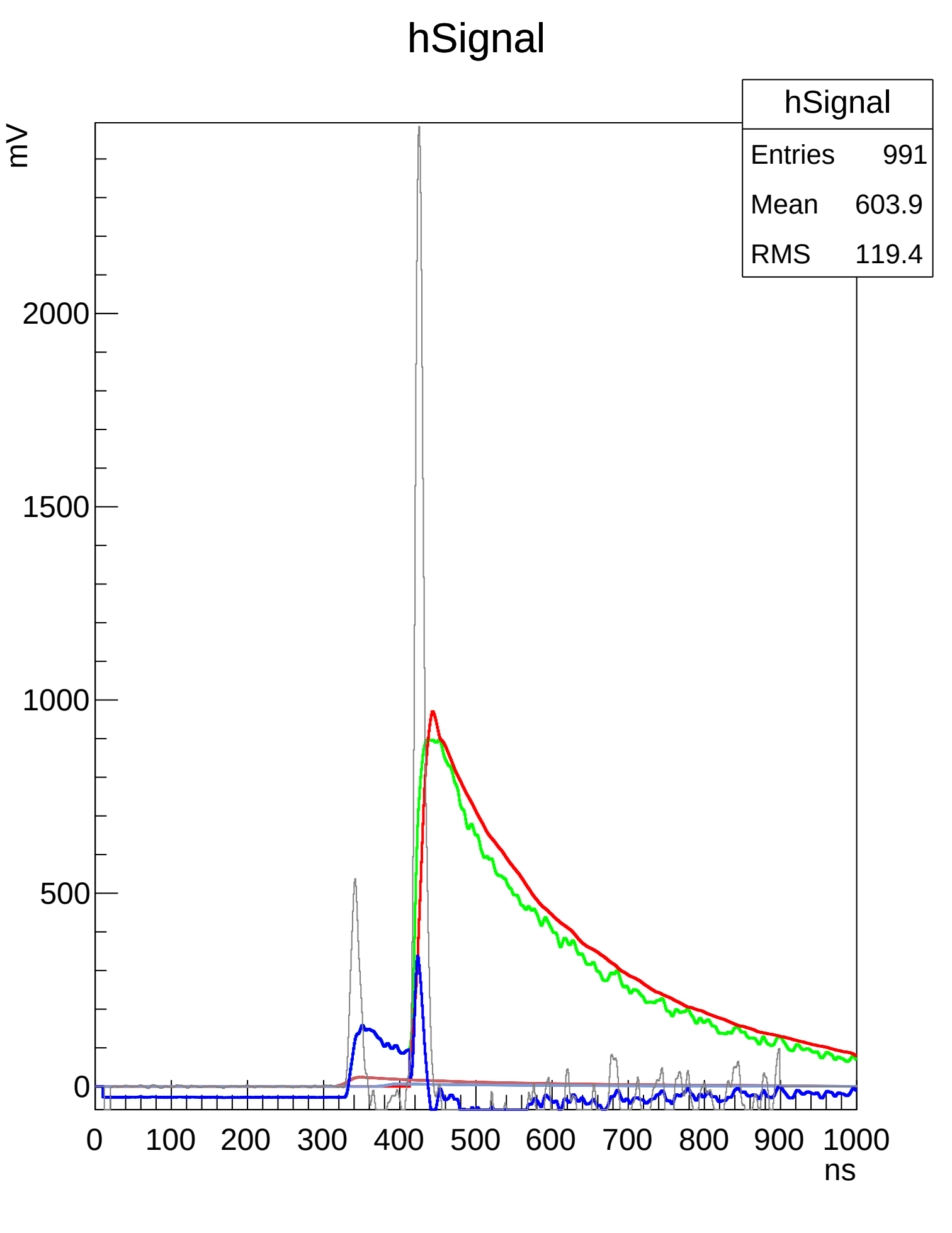

hSignal
hSignal
Entries 991
Mean 585.5
RMS 47.92
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

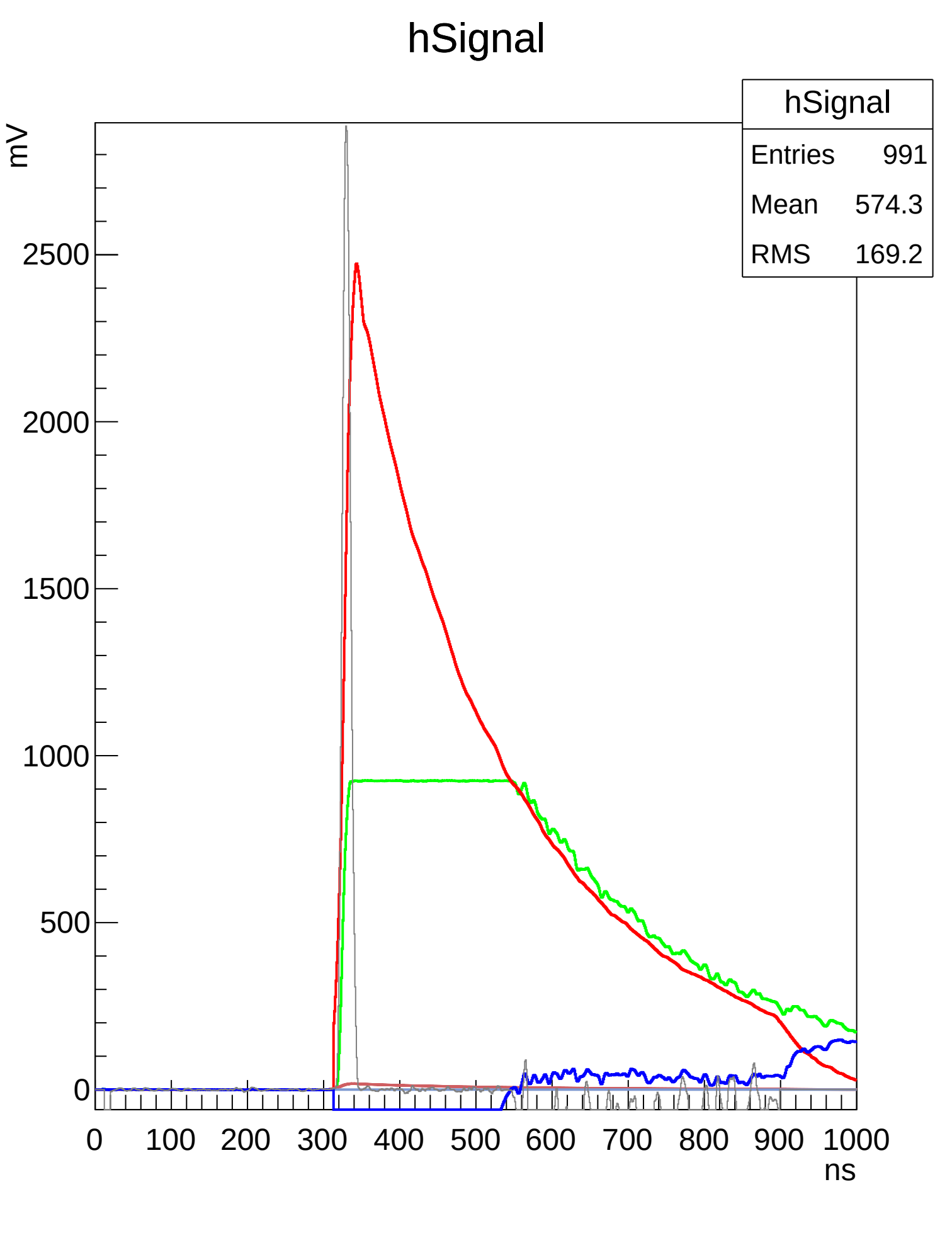

hSignal
hSignal
Entries 991
Mean 618.1
RMS 68.35
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

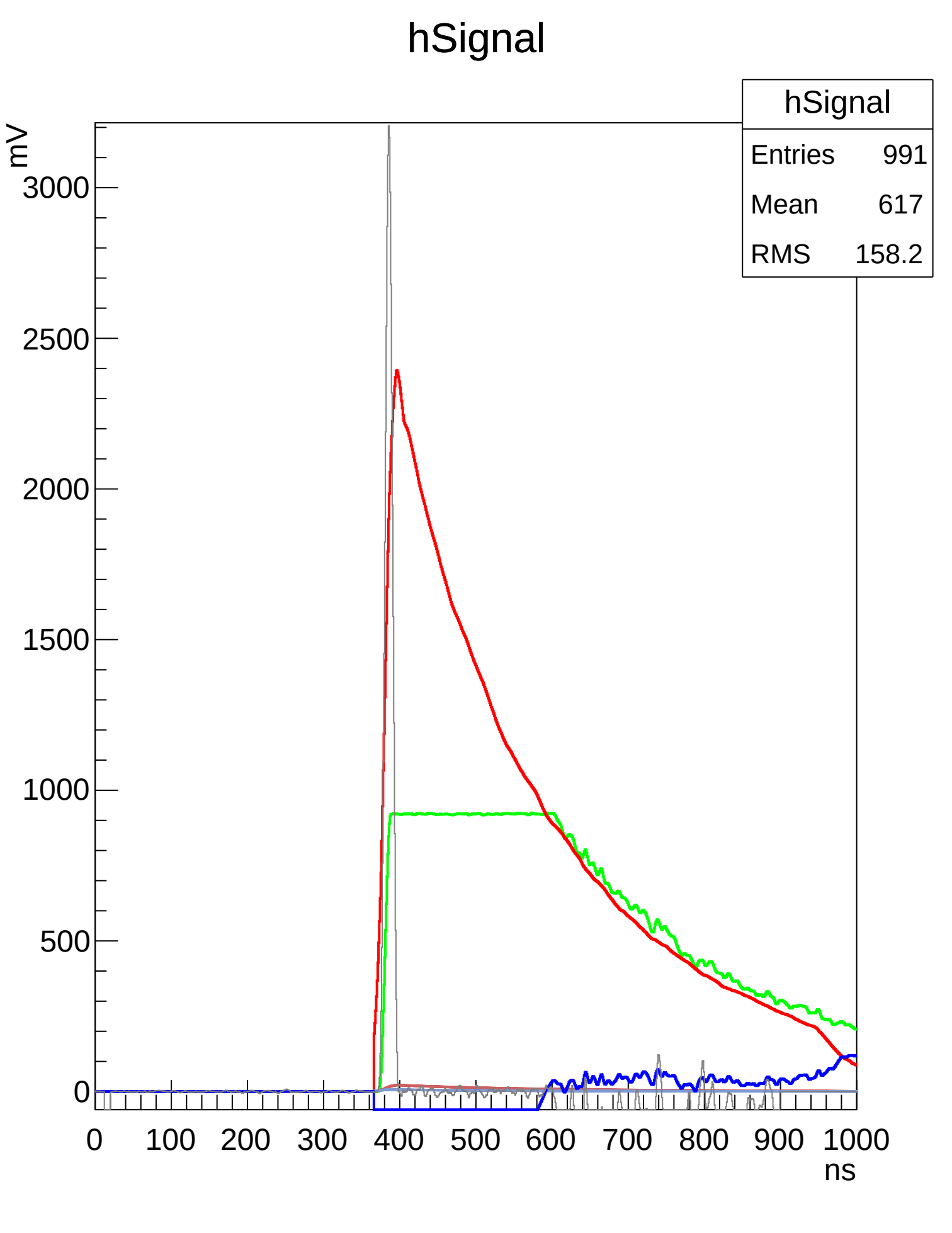

hSignal
hSignal
Entries 991
Mean 606.4
RMS 100.9
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

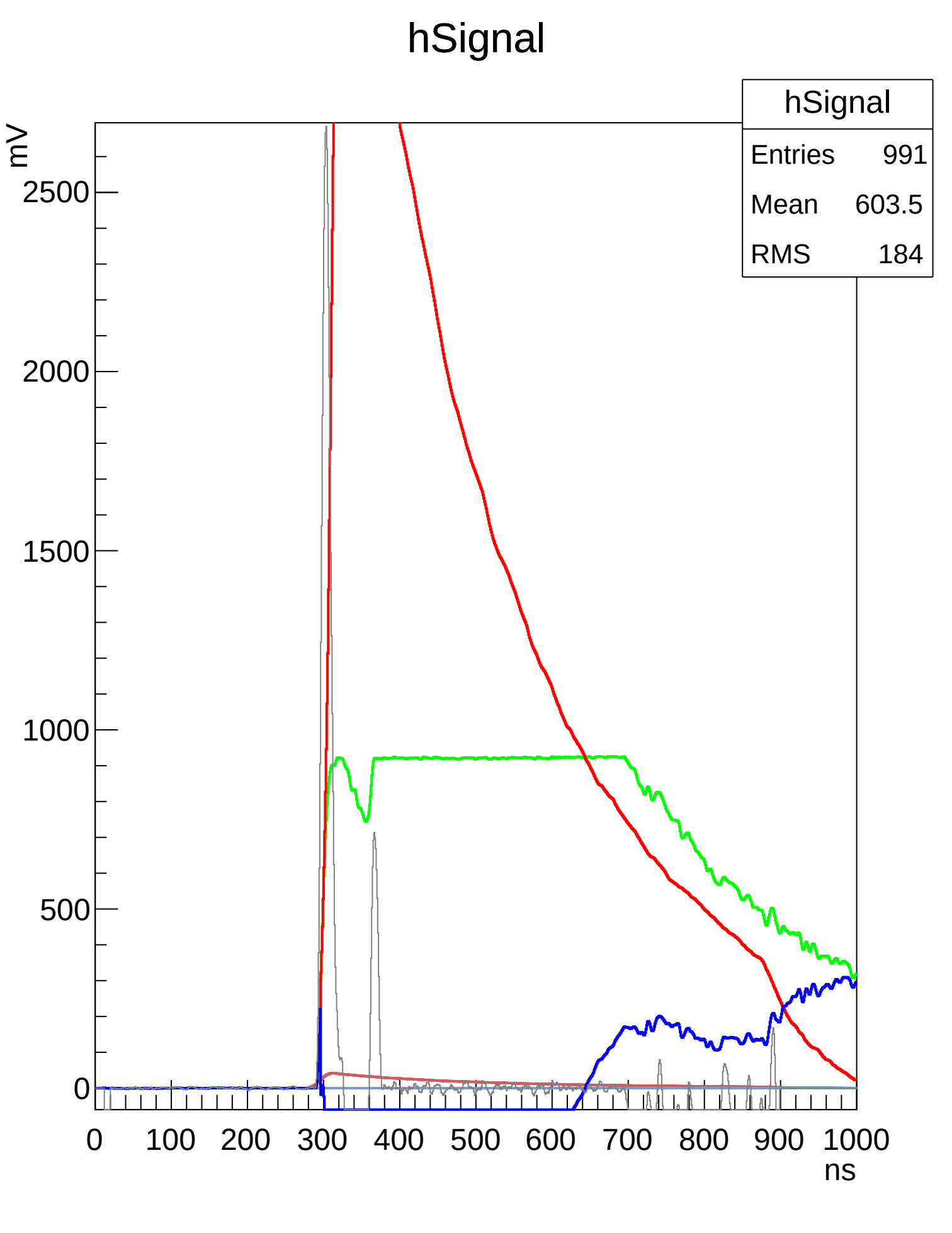

hSignal
hSignal
Entries 991
Mean 606.8
RMS 143.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

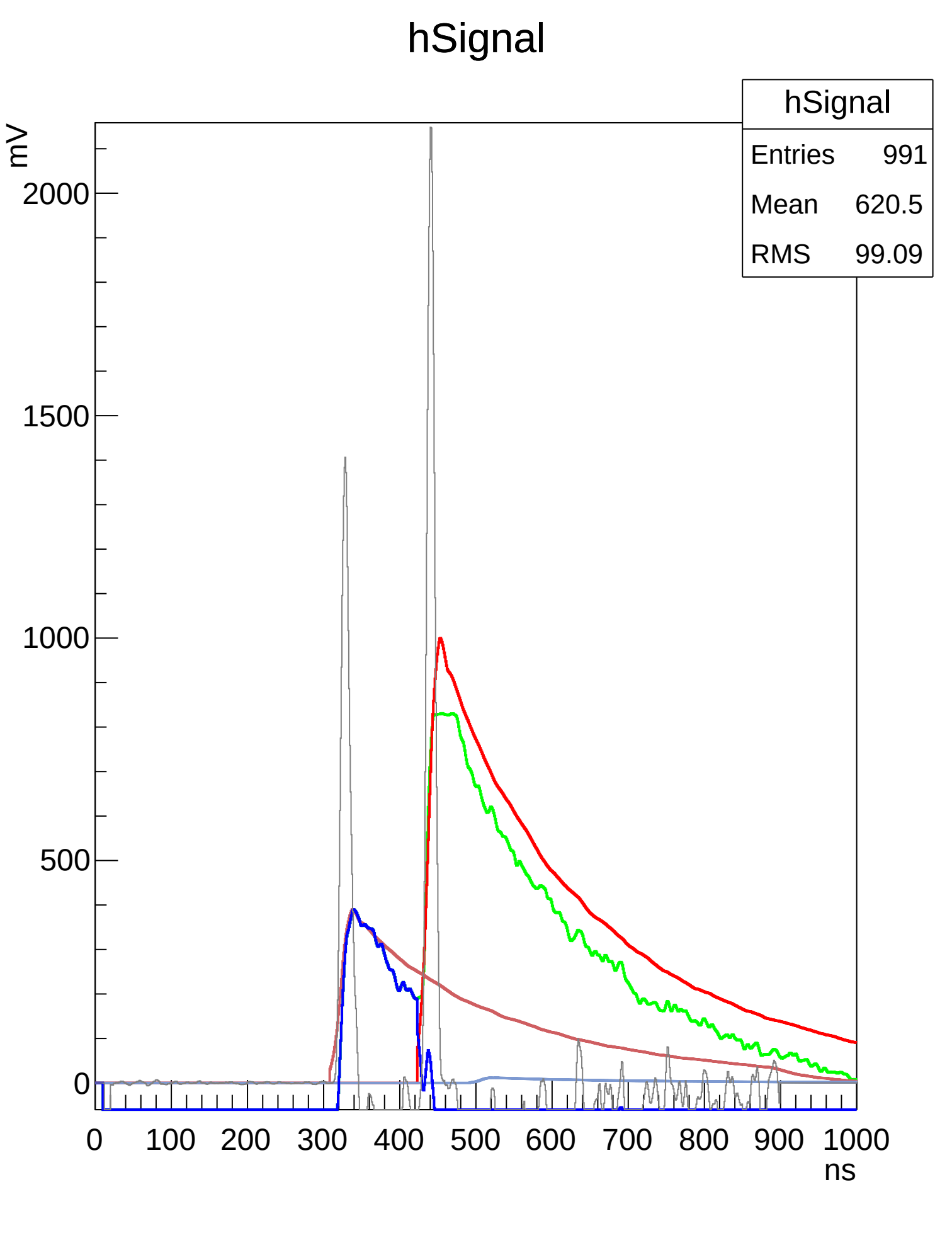

hSignal
hSignal
Entries 991
Mean 590.4
RMS 170.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

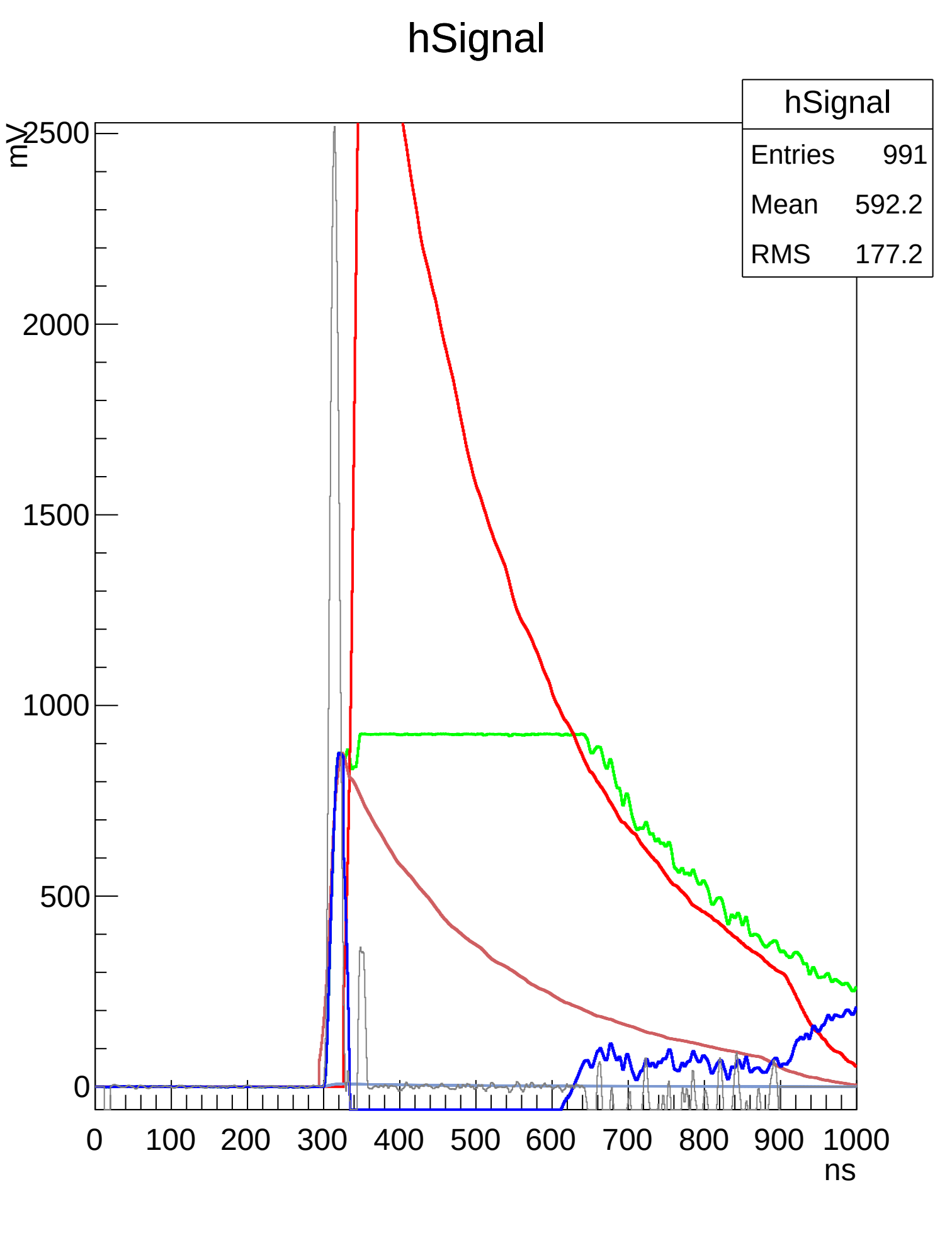

hSignal
hSignal
Entries 991
Mean 603.9
RMS 119.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

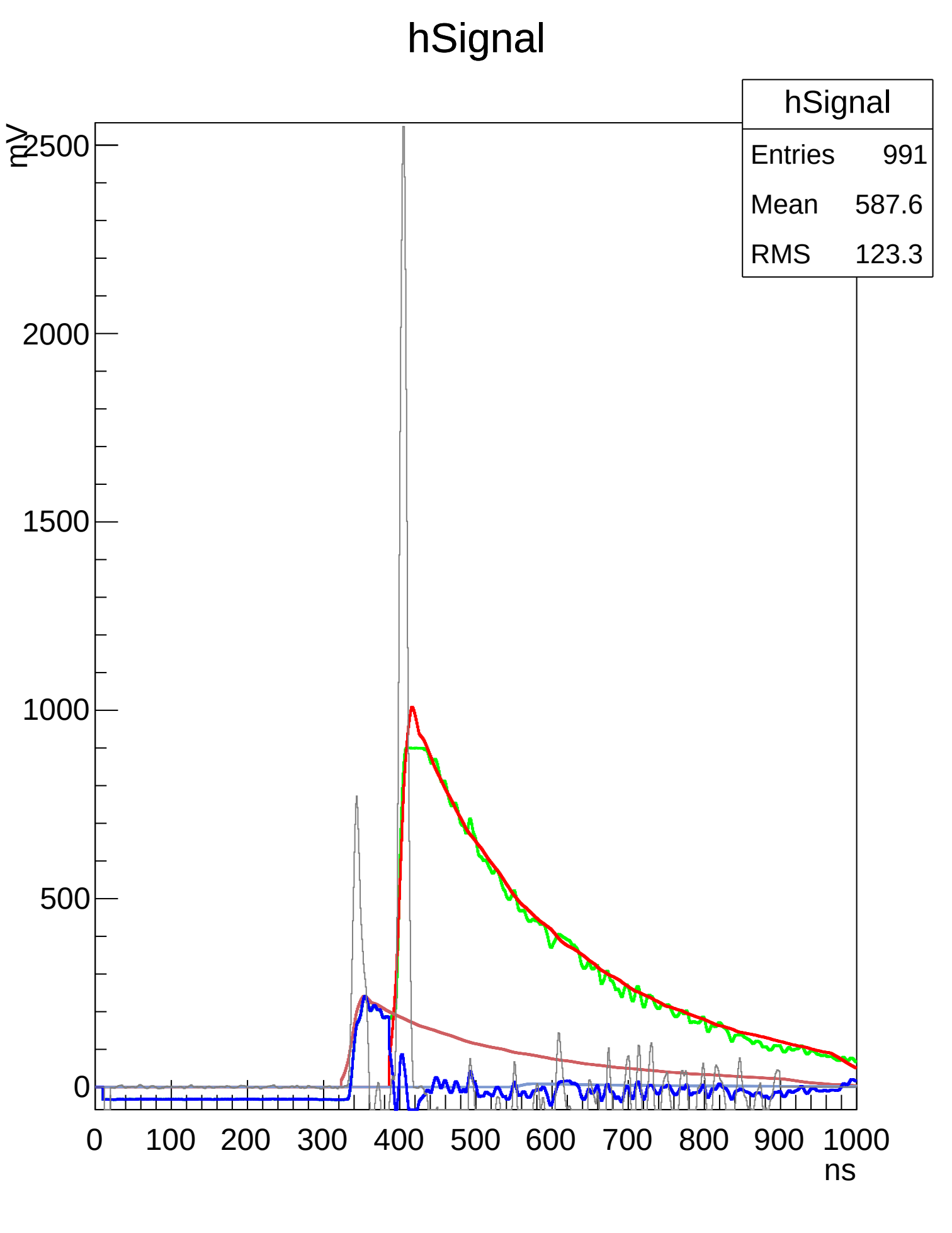

hSignal
hSignal
Entries 991
Mean 574.3
RMS 169.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

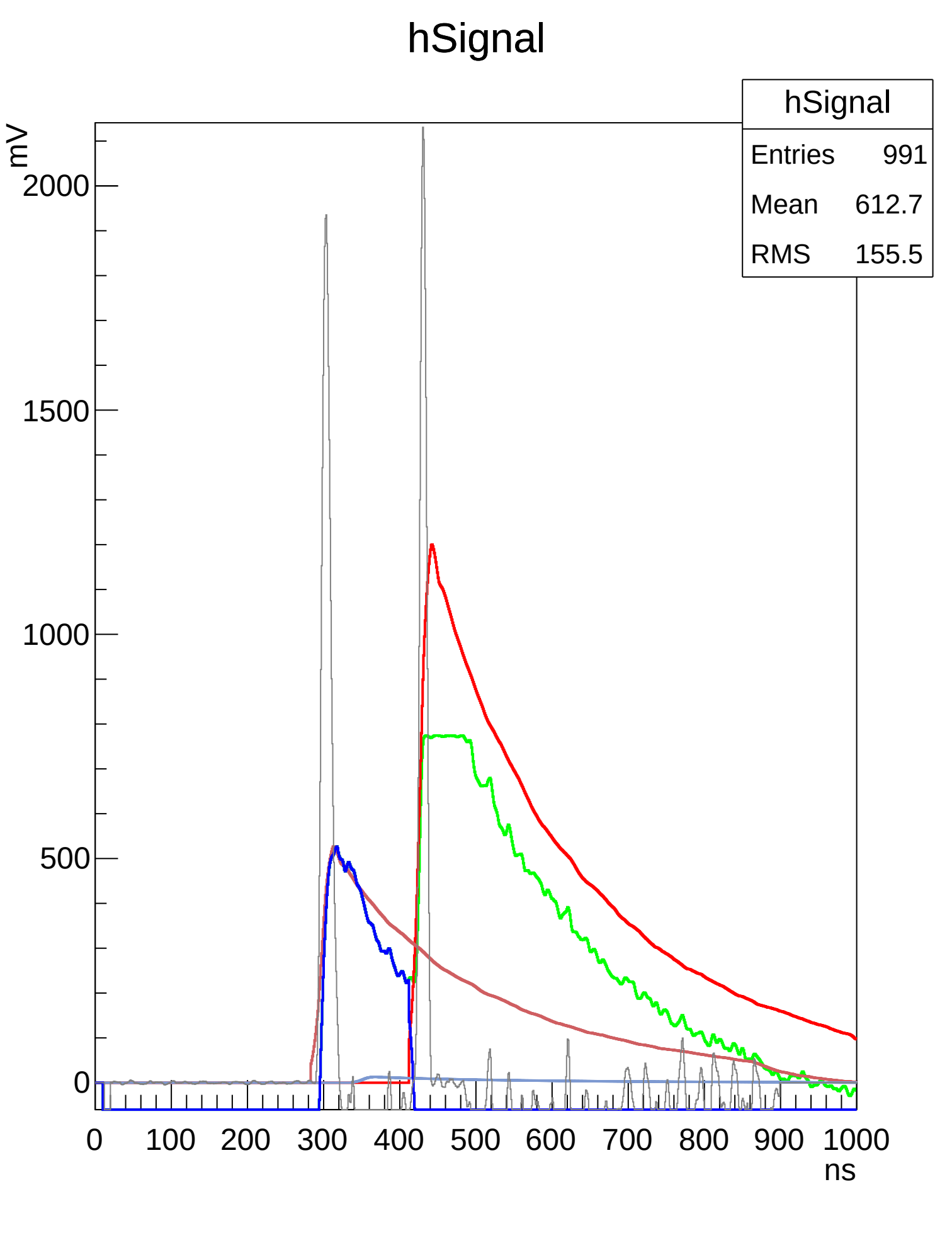

hSignal
hSignal
Entries 991
Mean 617
RMS 158.2
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

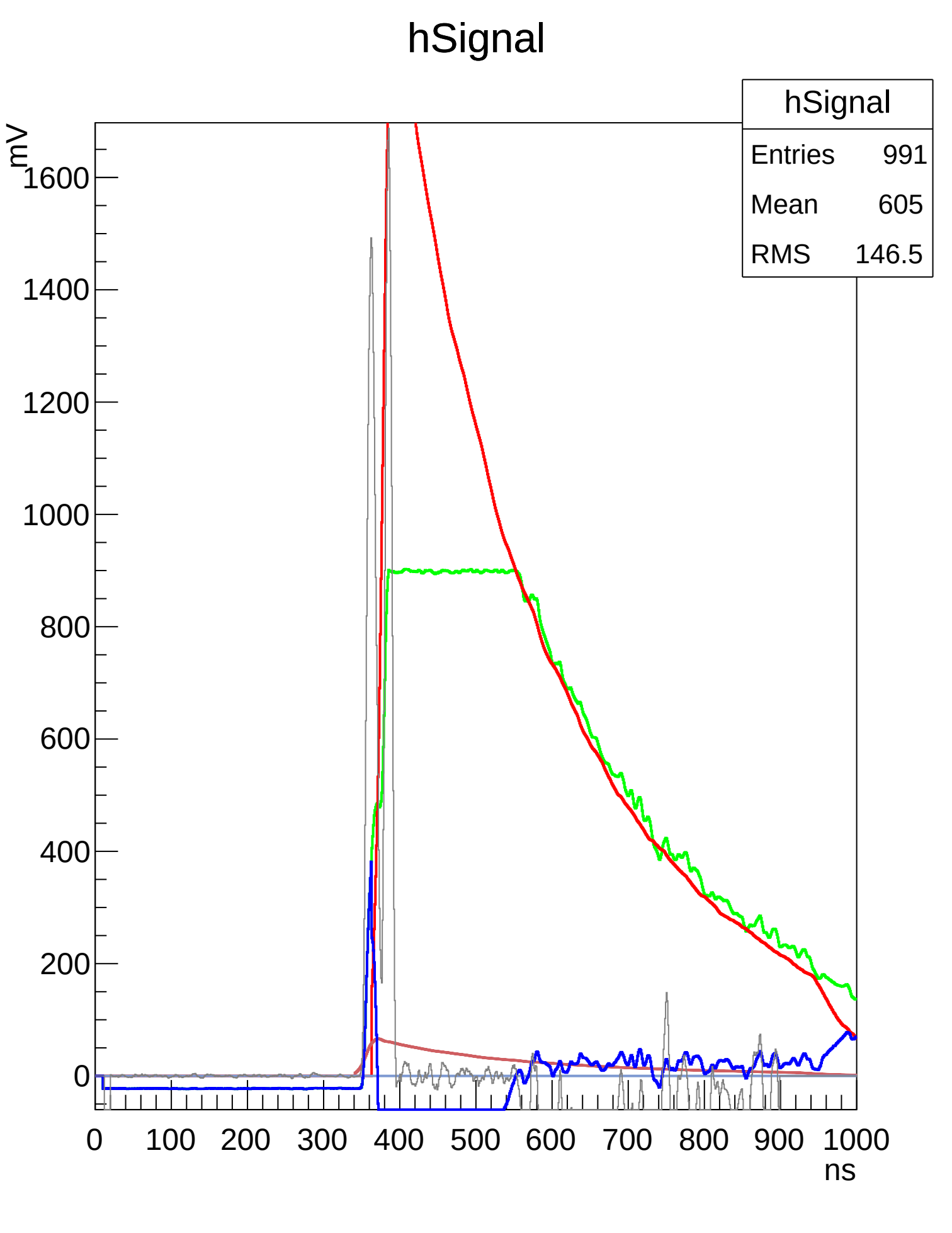

hSignal
hSignal
Entries 991
Mean 603.5
RMS 184
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

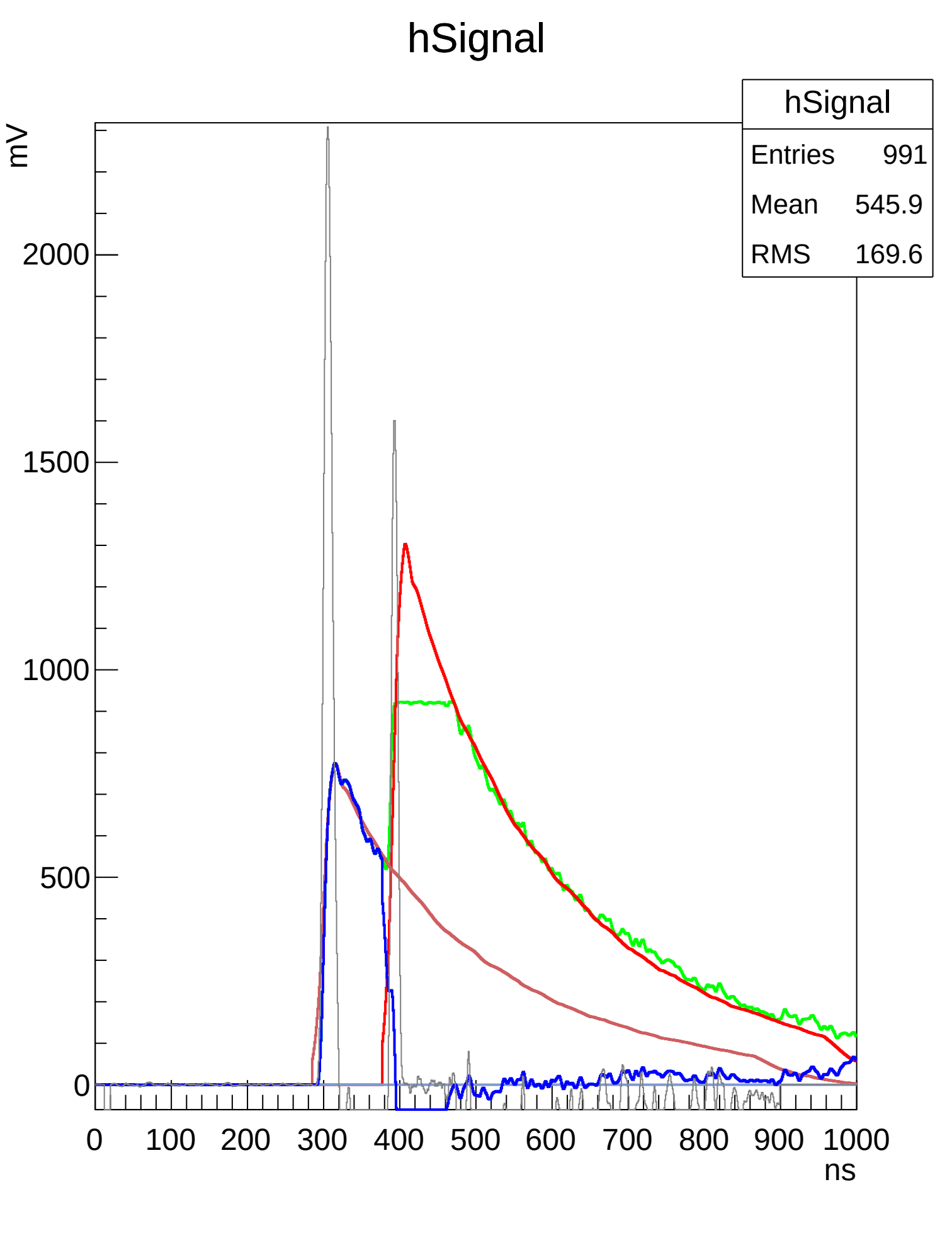

hSignal
hSignal
Entries 991
Mean 620.5
RMS 99.09
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

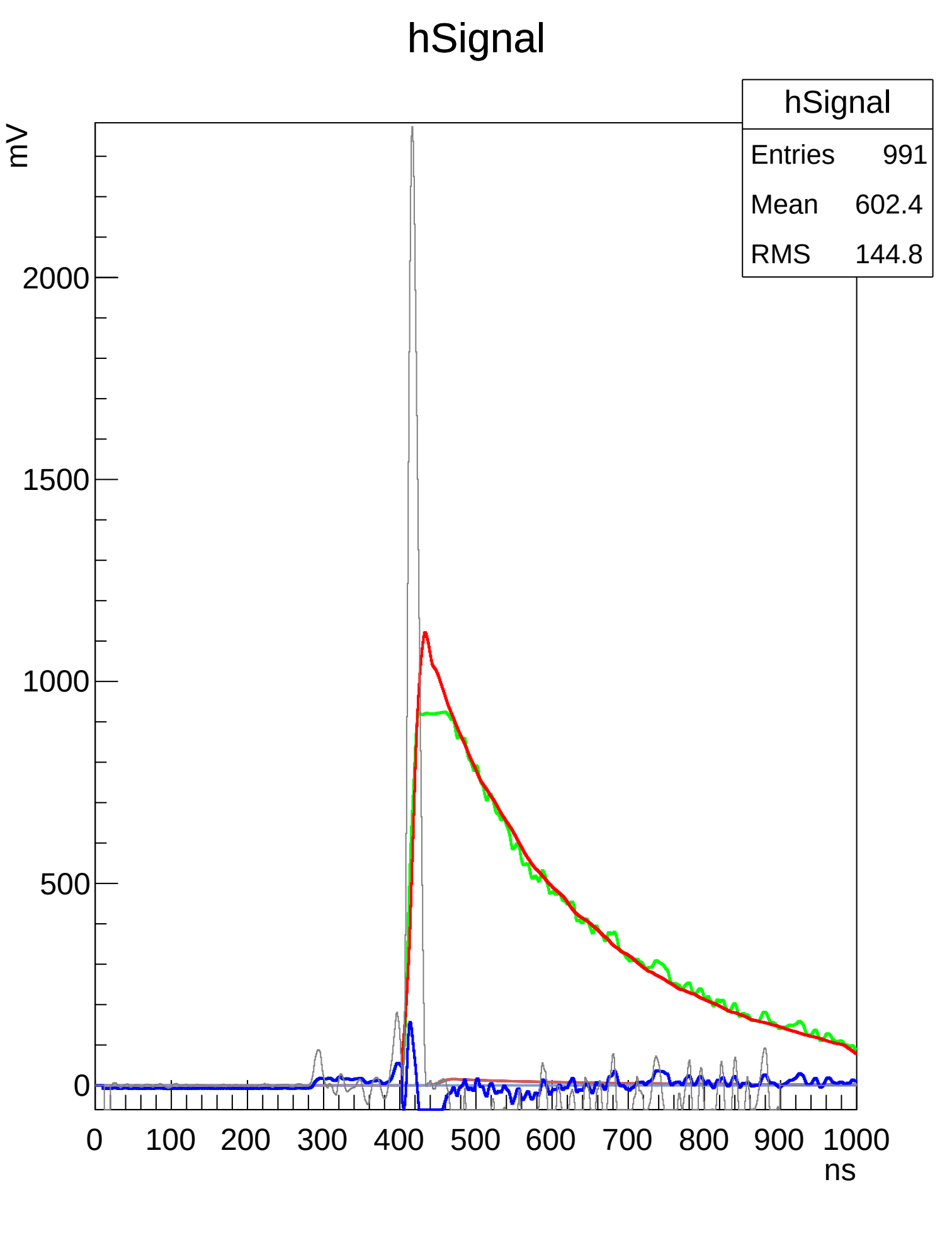

hSignal
hSignal
Entries 991
Mean 592.2
RMS 177.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

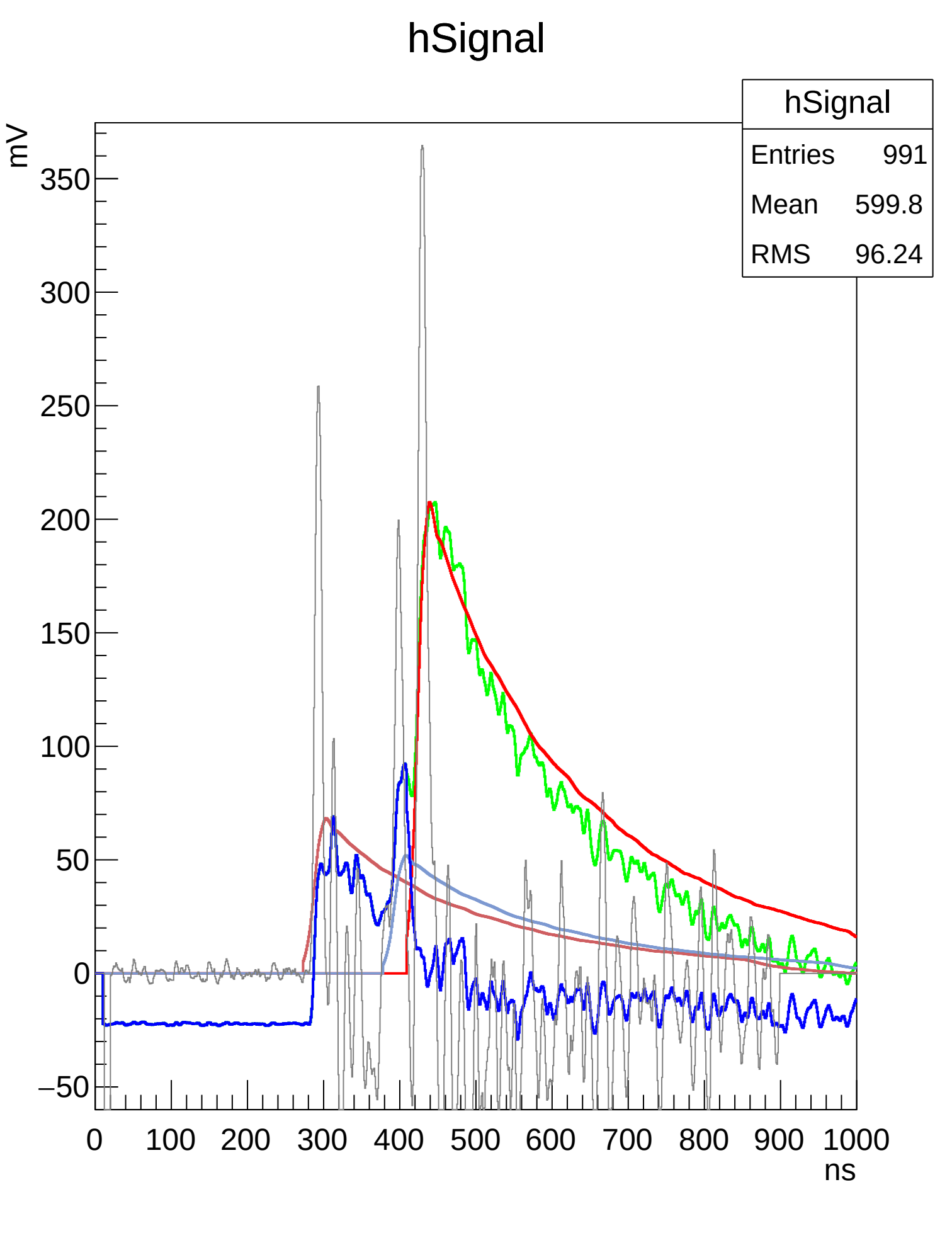

hSignal
hSignal
Entries 991
Mean 587.6
RMS 123.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

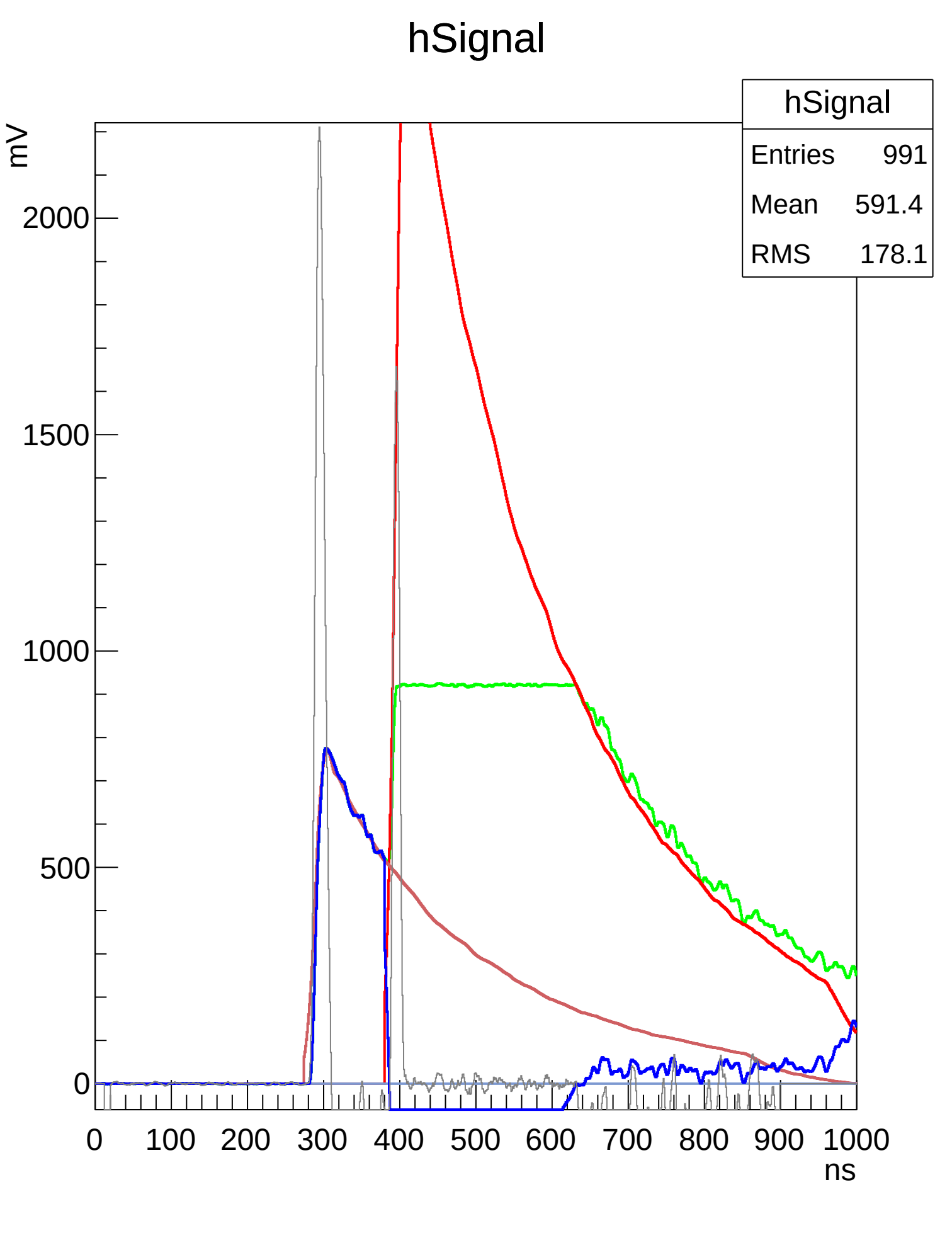

hSignal
hSignal
Entries 991
Mean 612.7
RMS 155.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

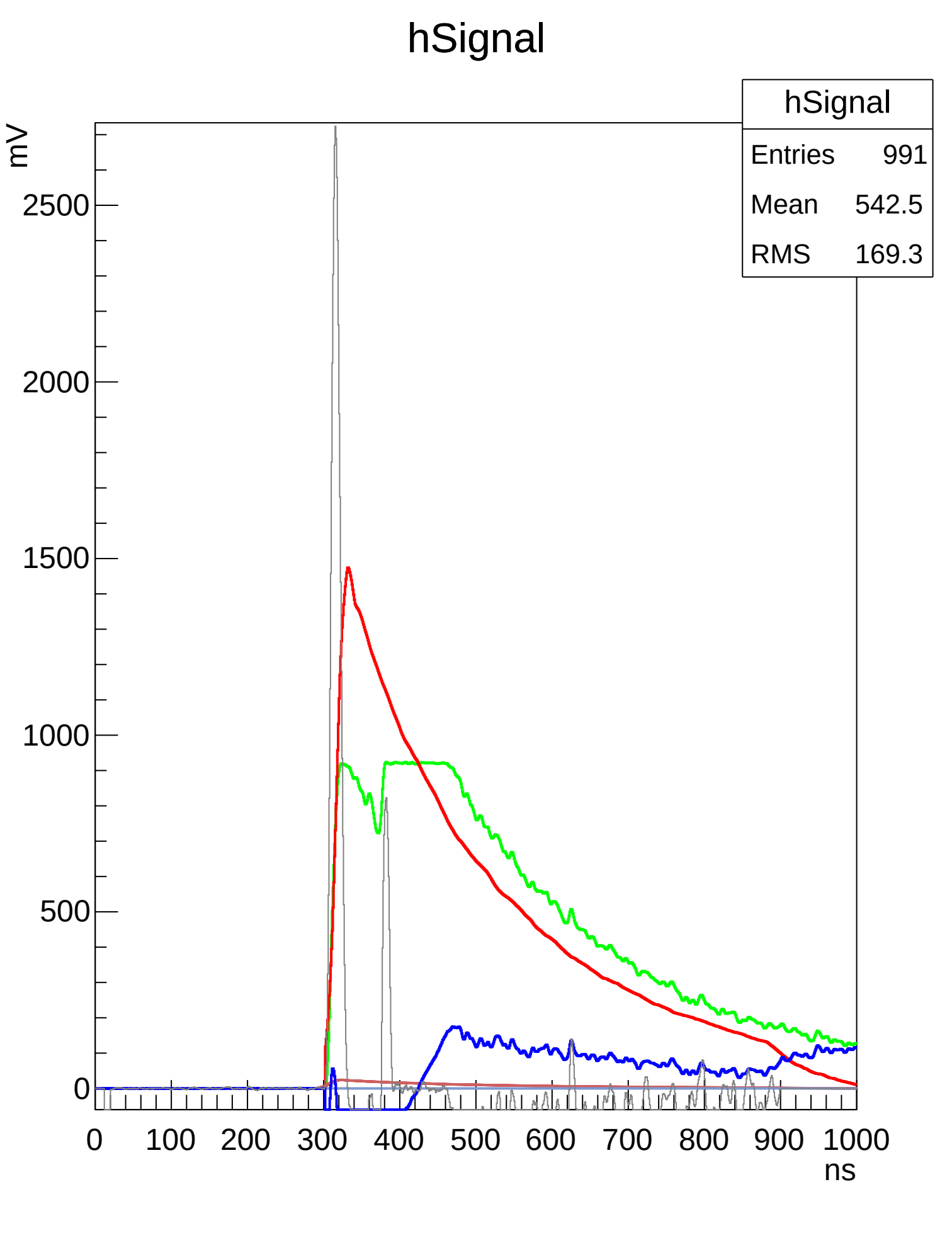

hSignal
hSignal
Entries 991
Mean 605
RMS 146.5
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

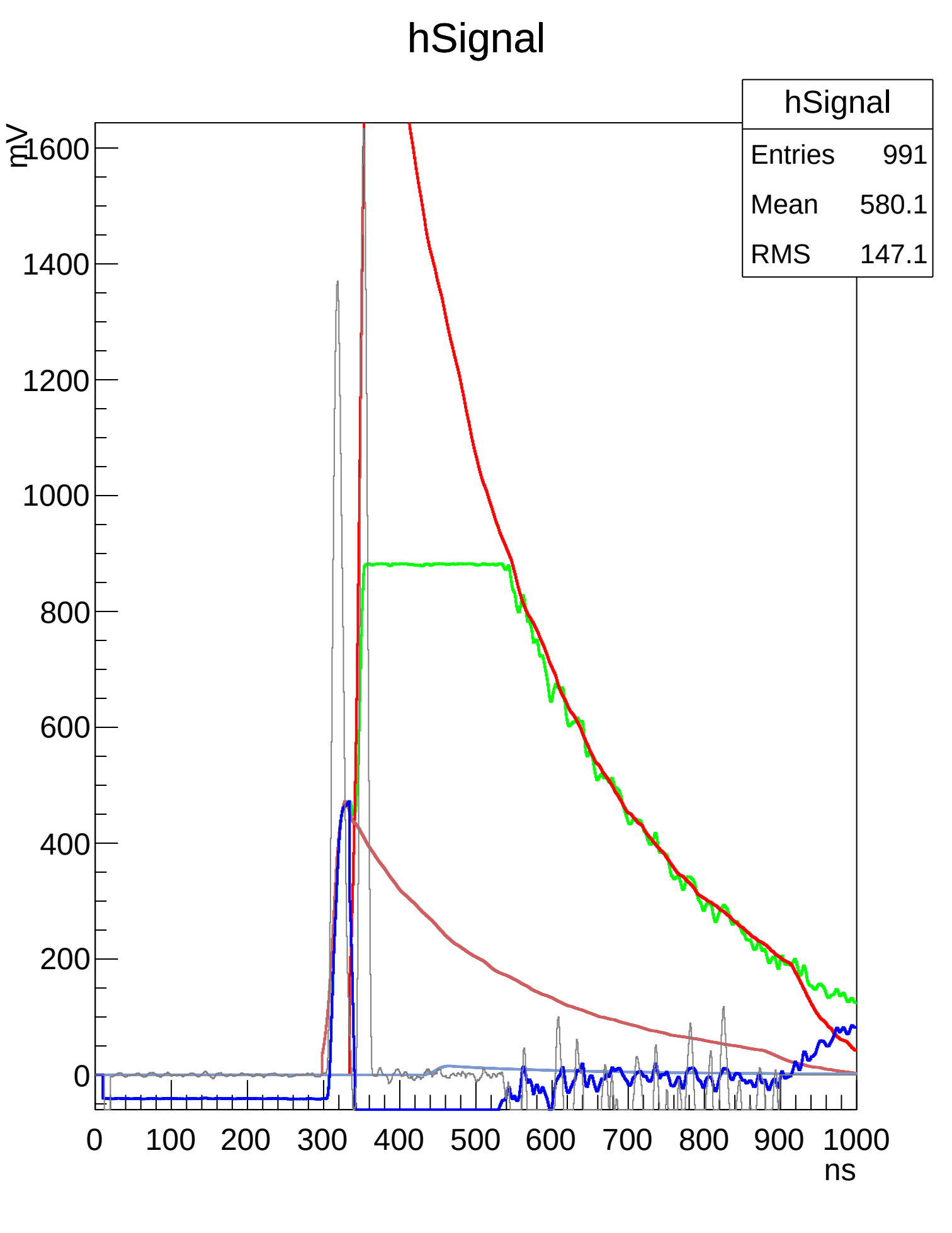

hSignal
hSignal
Entries 991
Mean 545.9
RMS 169.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

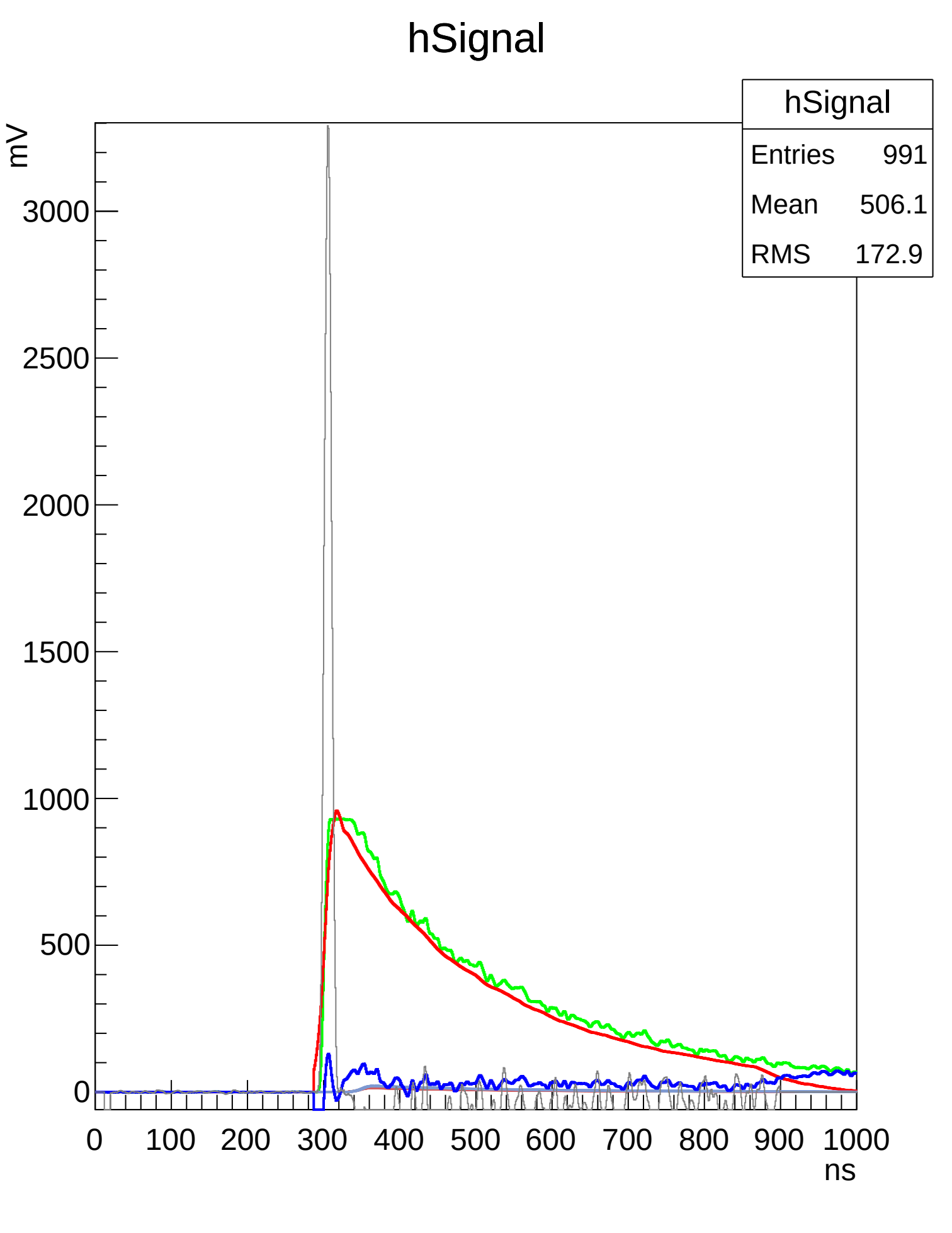

hSignal
hSignal
Entries 991
Mean 602.4
RMS 144.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

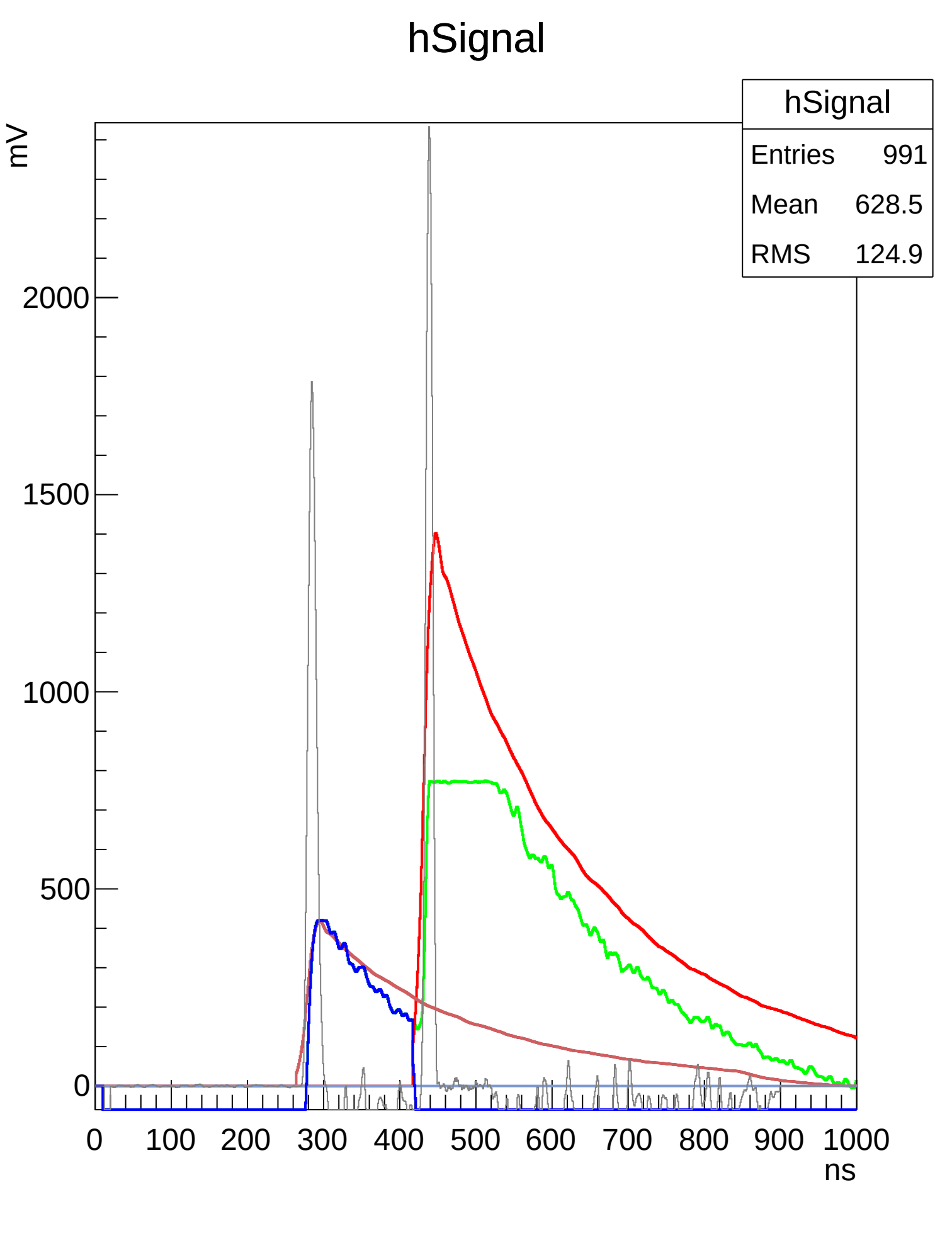

hSignal
hSignal
Entries 991
Mean 599.8
RMS 96.24
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

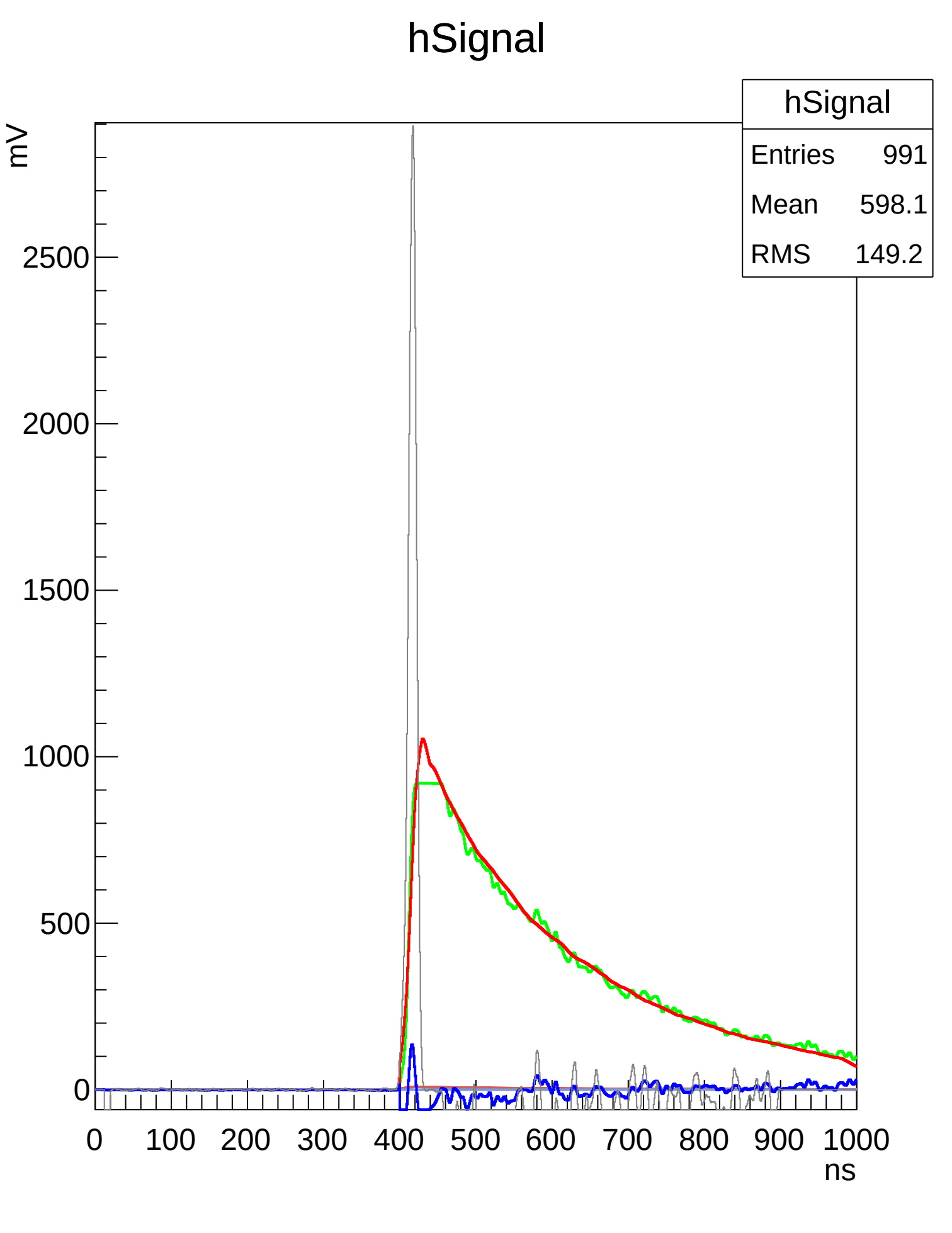

hSignal
hSignal
Entries 991
Mean 591.4
RMS 178.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

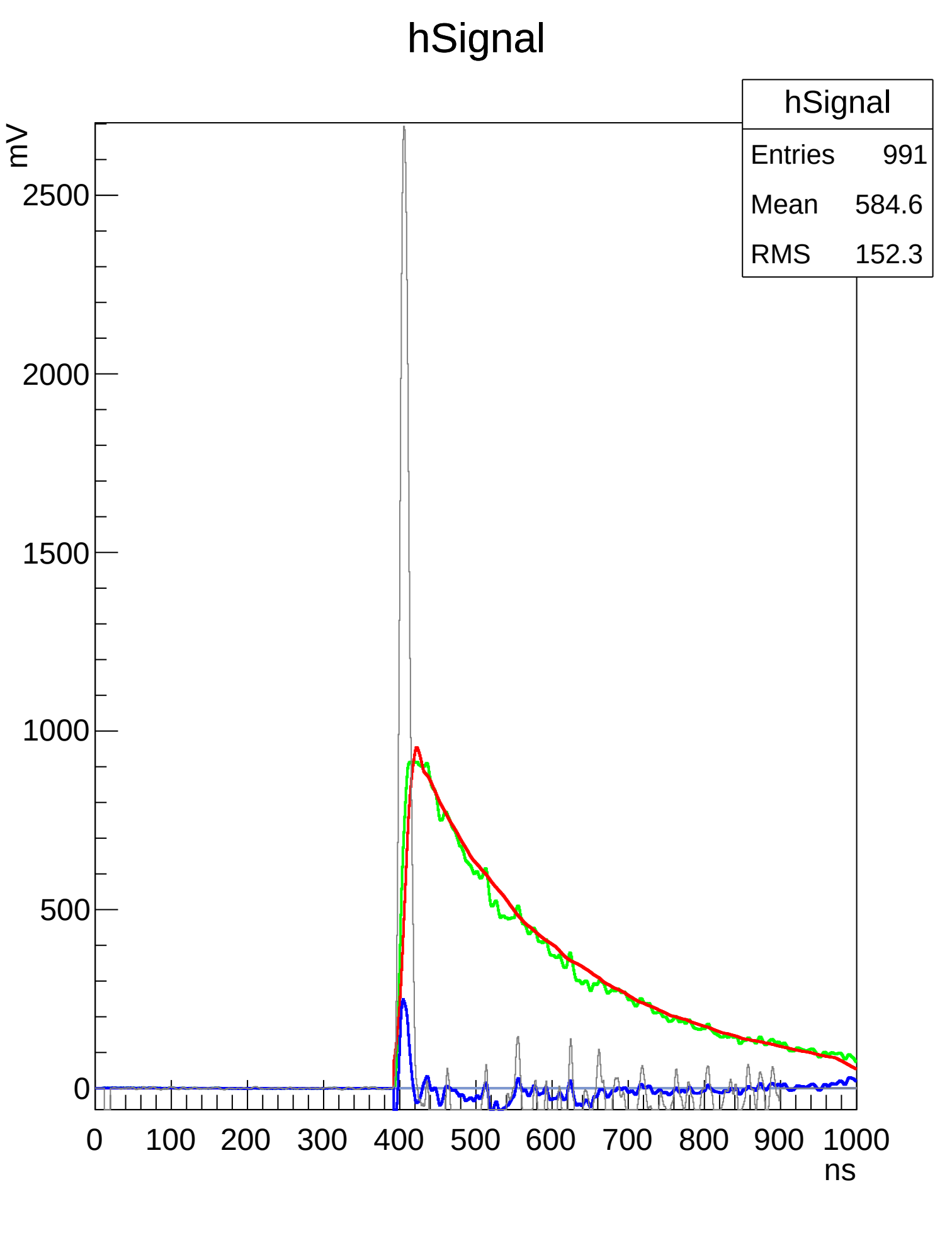

hSignal
hSignal
Entries 991
Mean 542.5
RMS 169.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

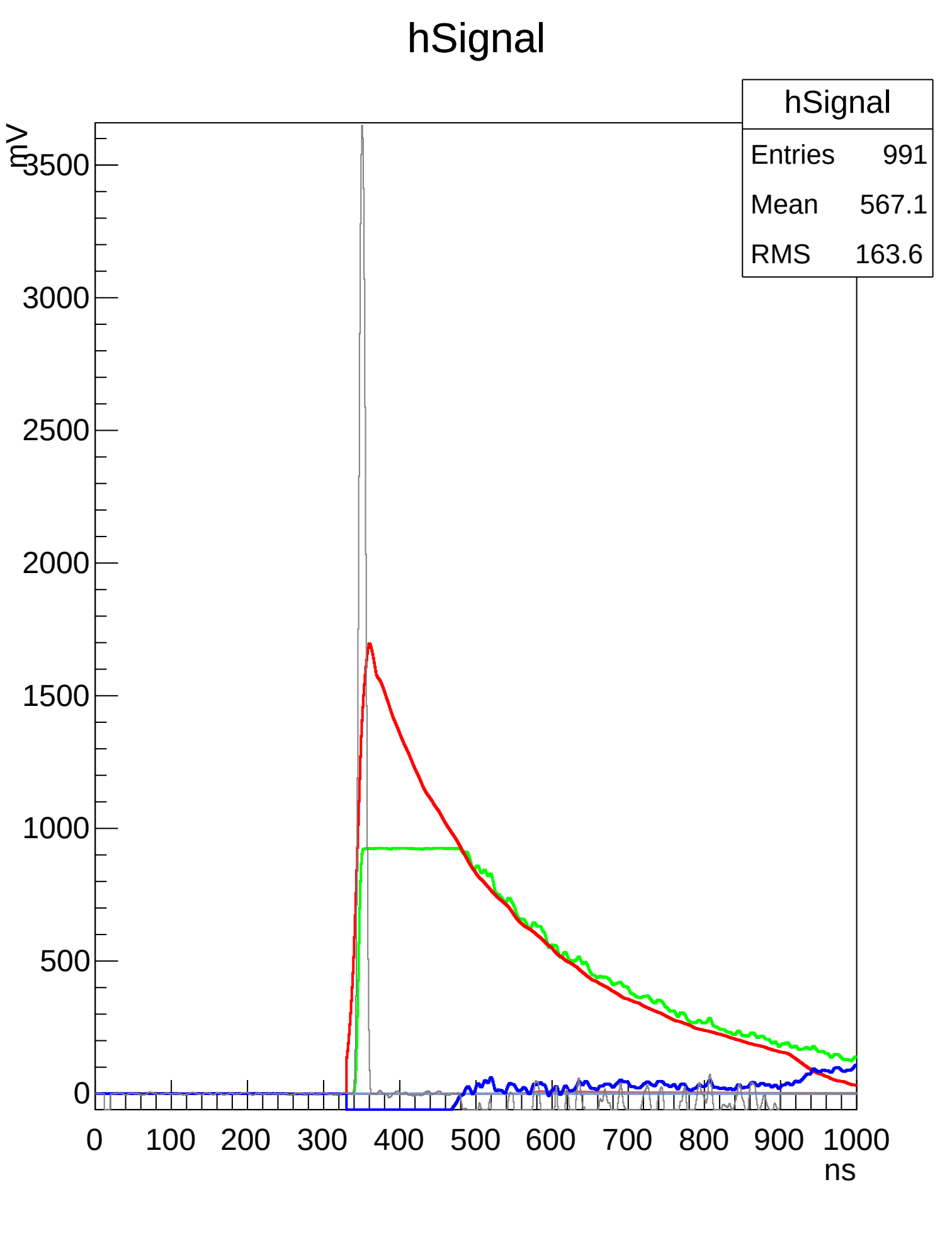

hSignal
hSignal
Entries 991
Mean 580.1
RMS 147.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

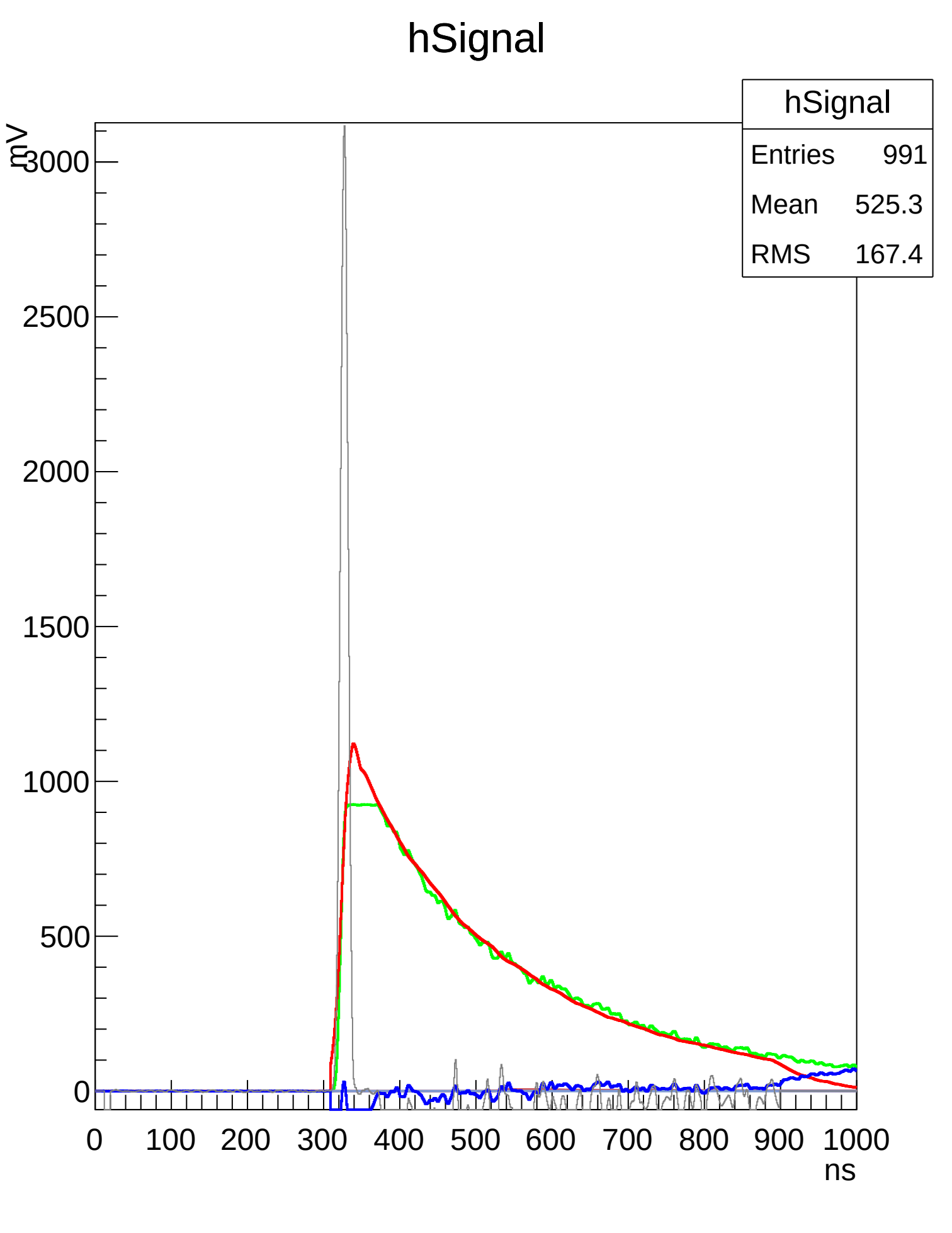

hSignal
hSignal
Entries 991
Mean 506.1
RMS 172.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

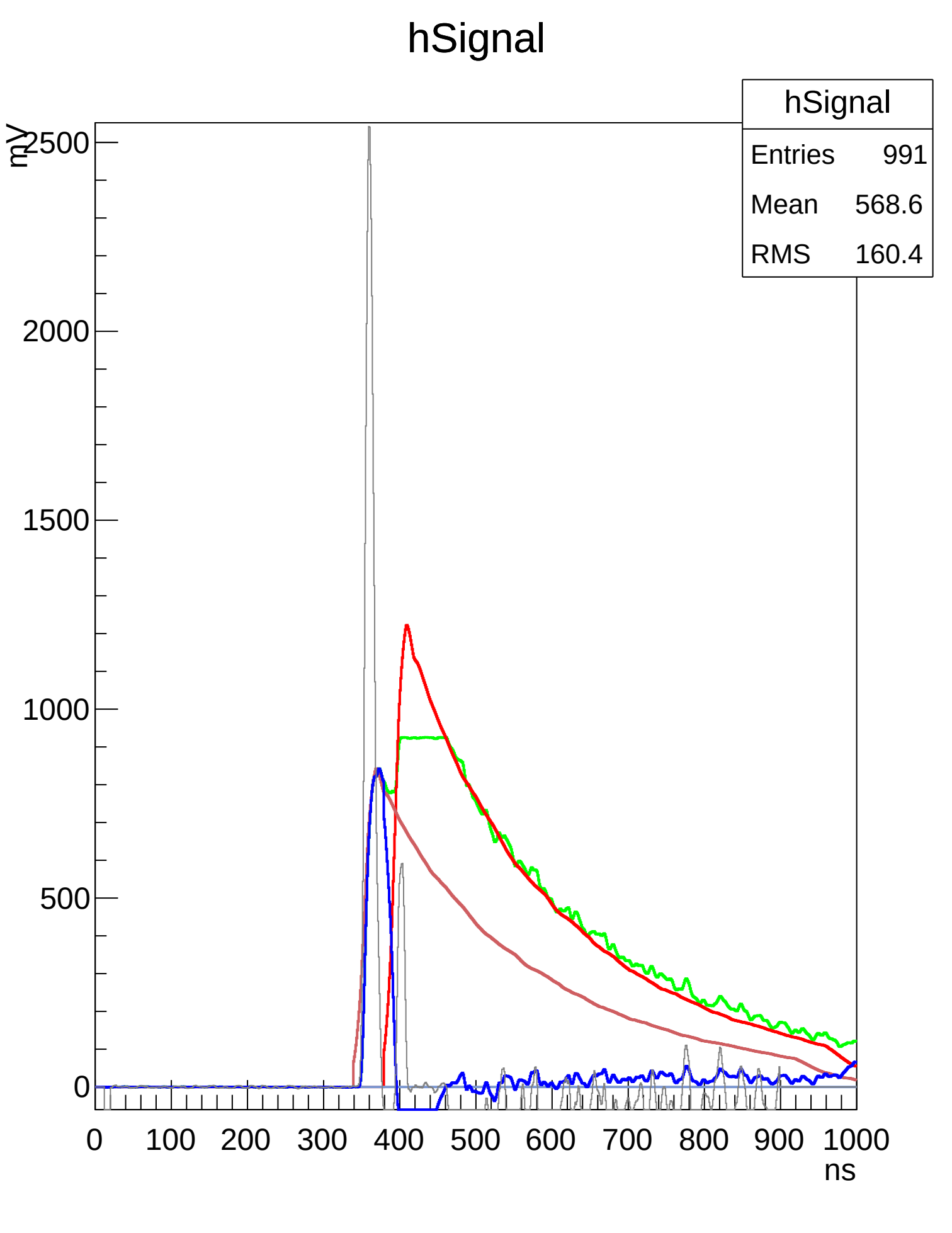

hSignal
hSignal
Entries 991
Mean 628.5
RMS 124.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

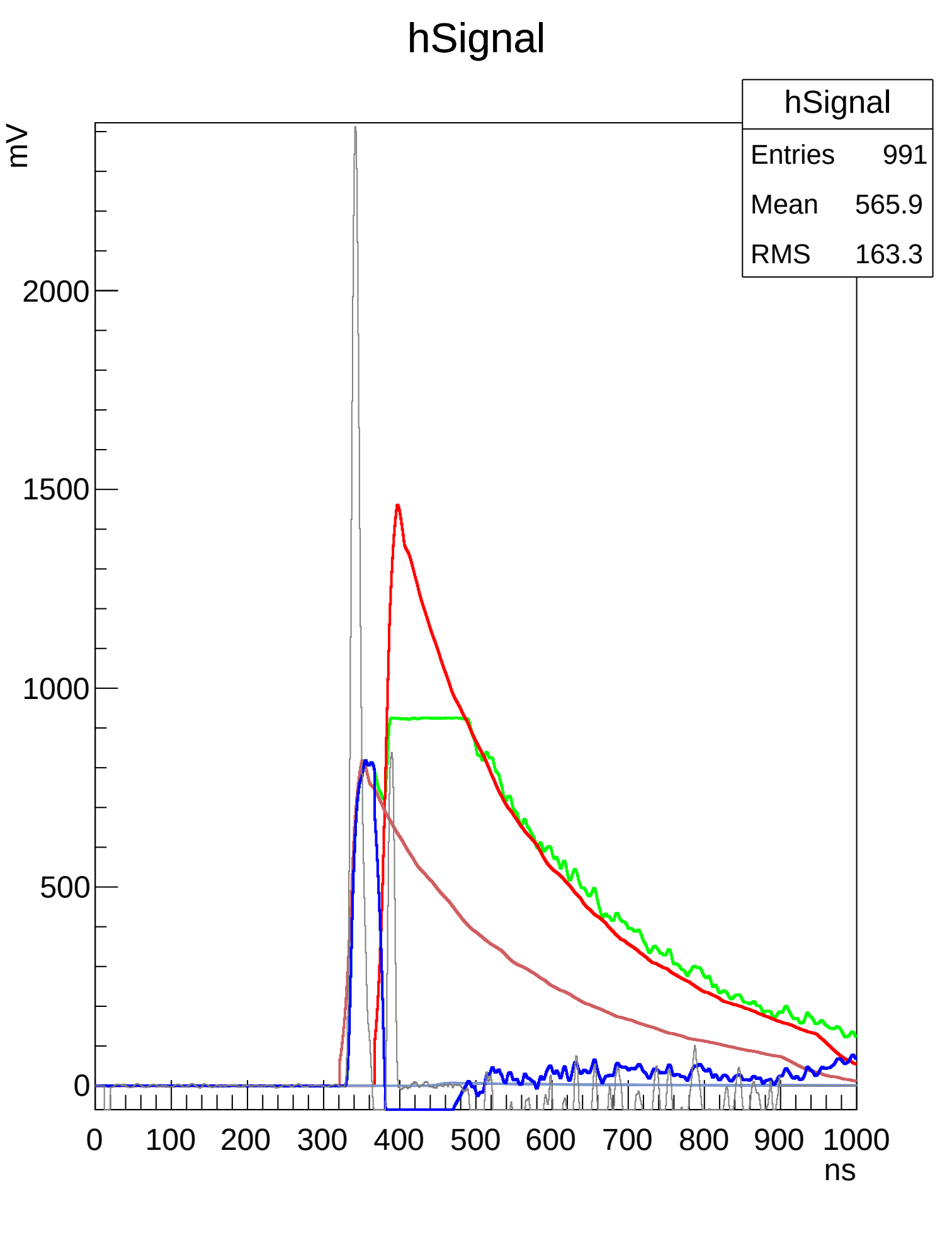

hSignal
hSignal
Entries 991
Mean 598.1
RMS 149.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

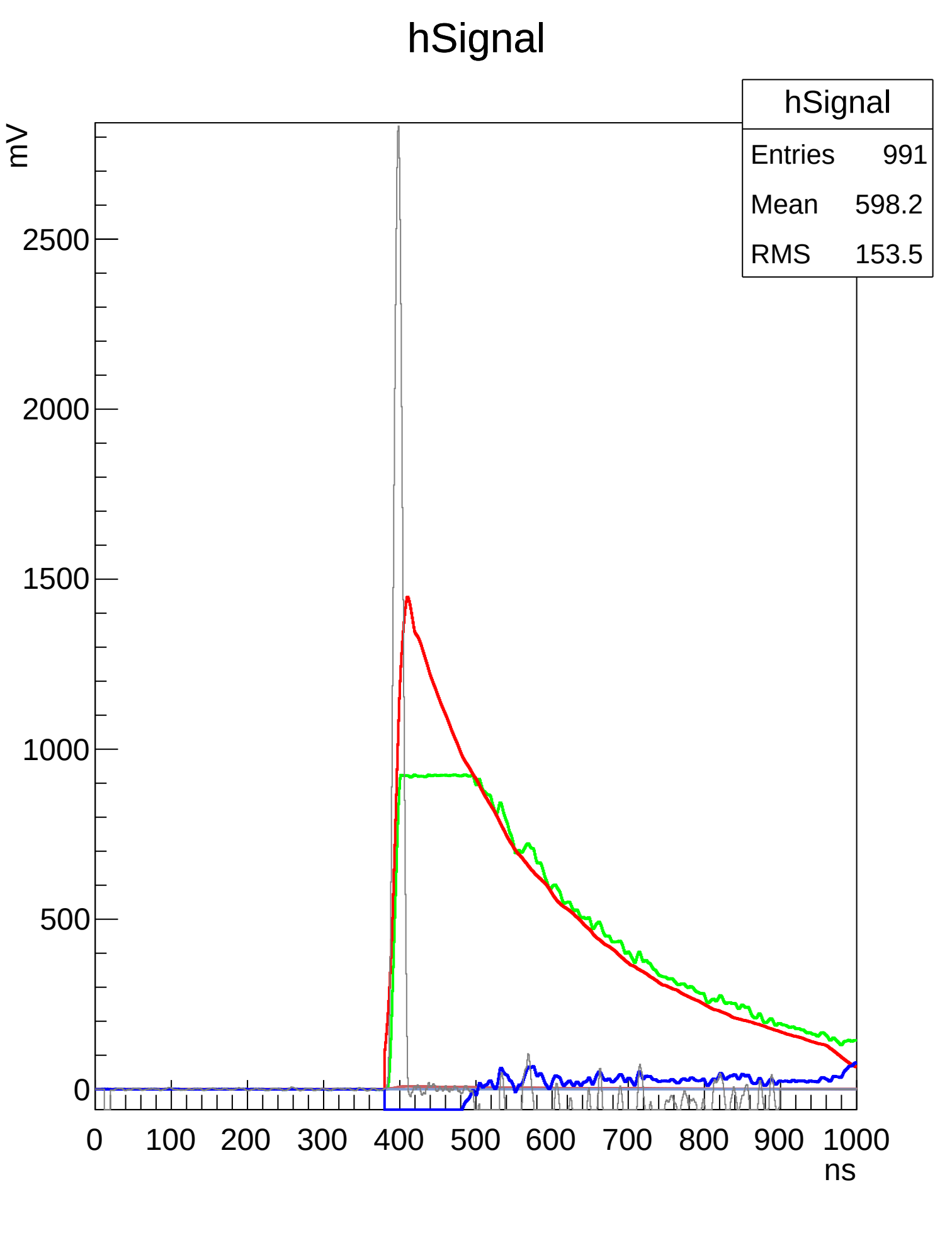

hSignal
hSignal
Entries 991
Mean 584.6
RMS 152.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

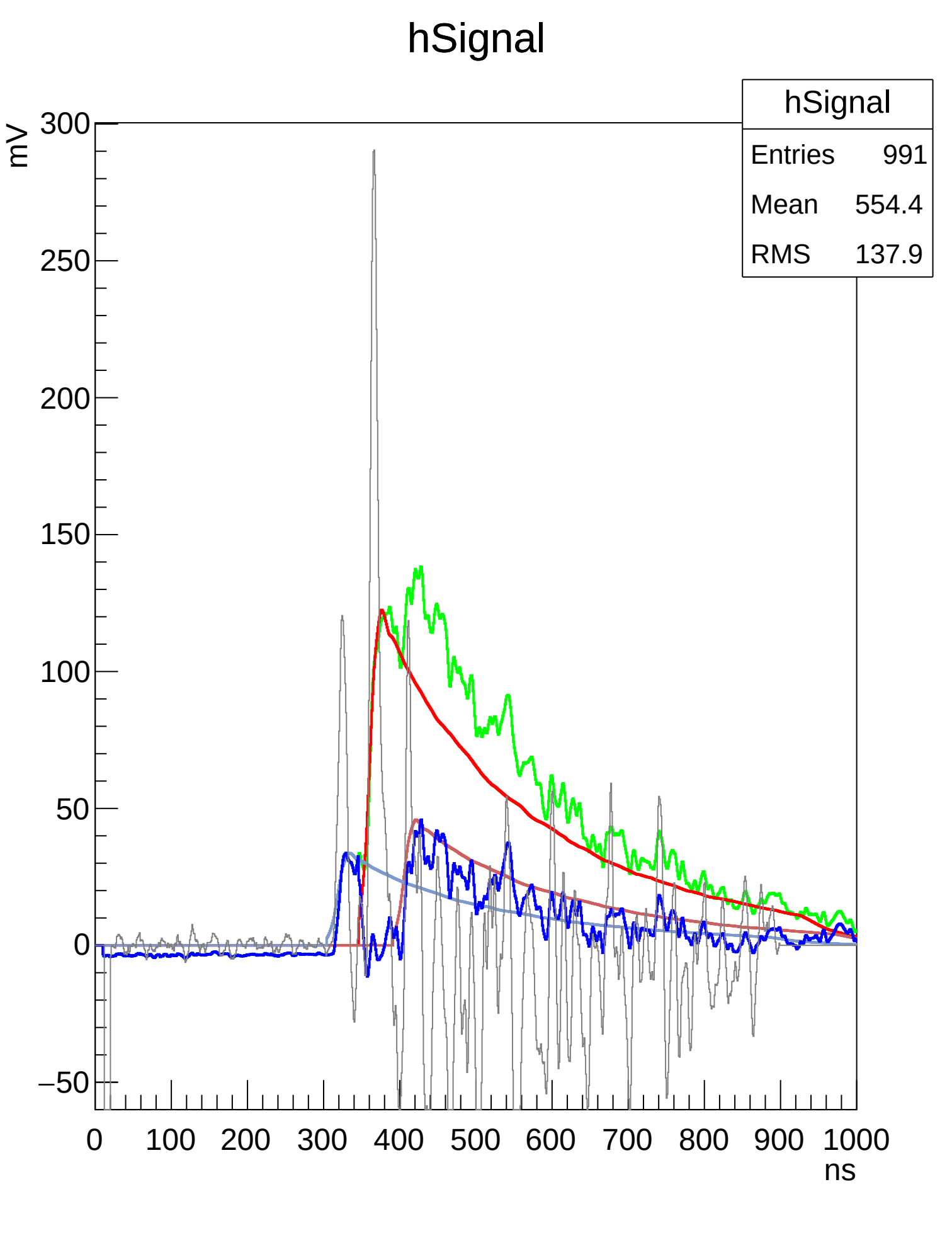

hSignal
hSignal
Entries 991
Mean 567.1
RMS 163.6
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

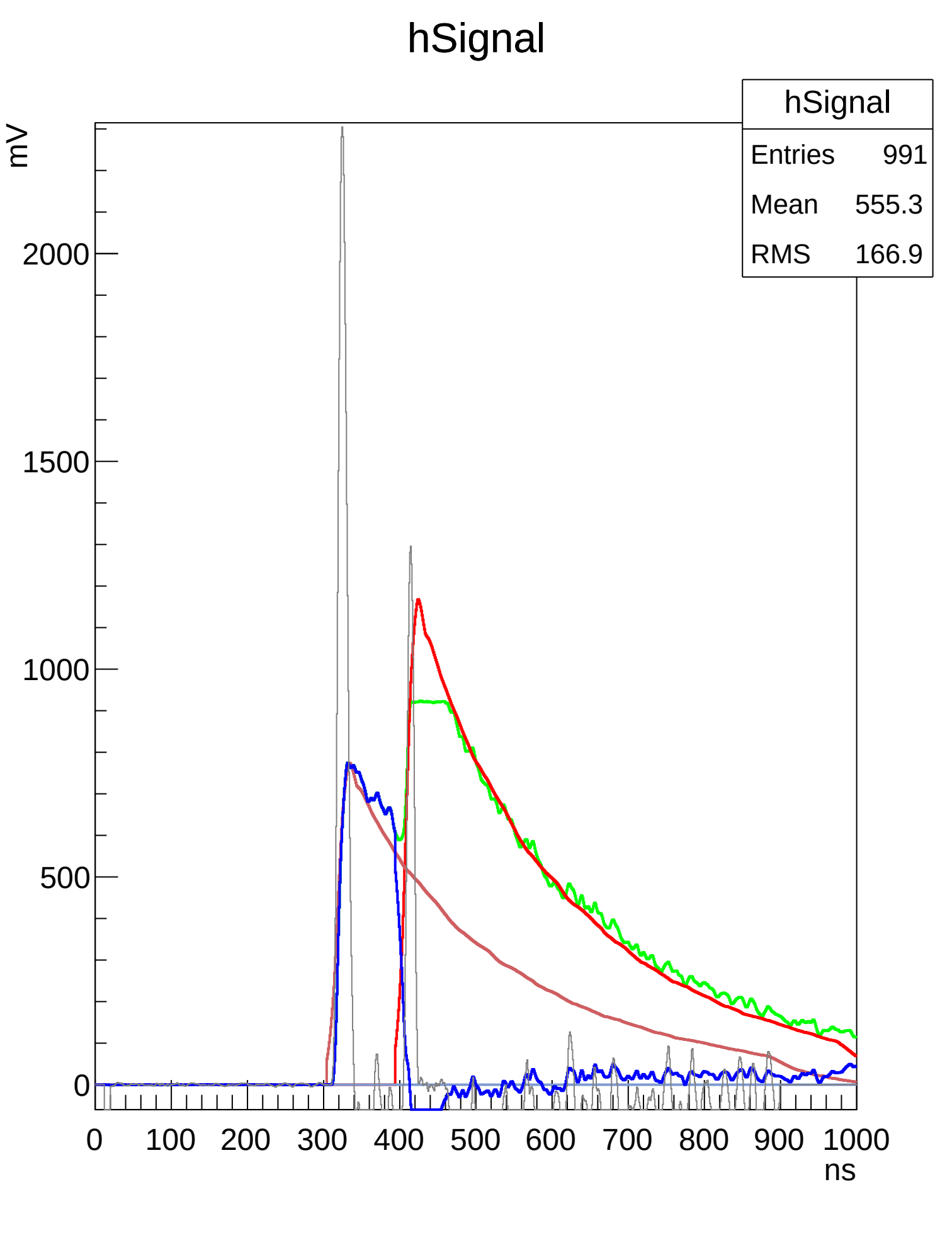

hSignal
hSignal
Entries 991
Mean 525.3
RMS 167.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

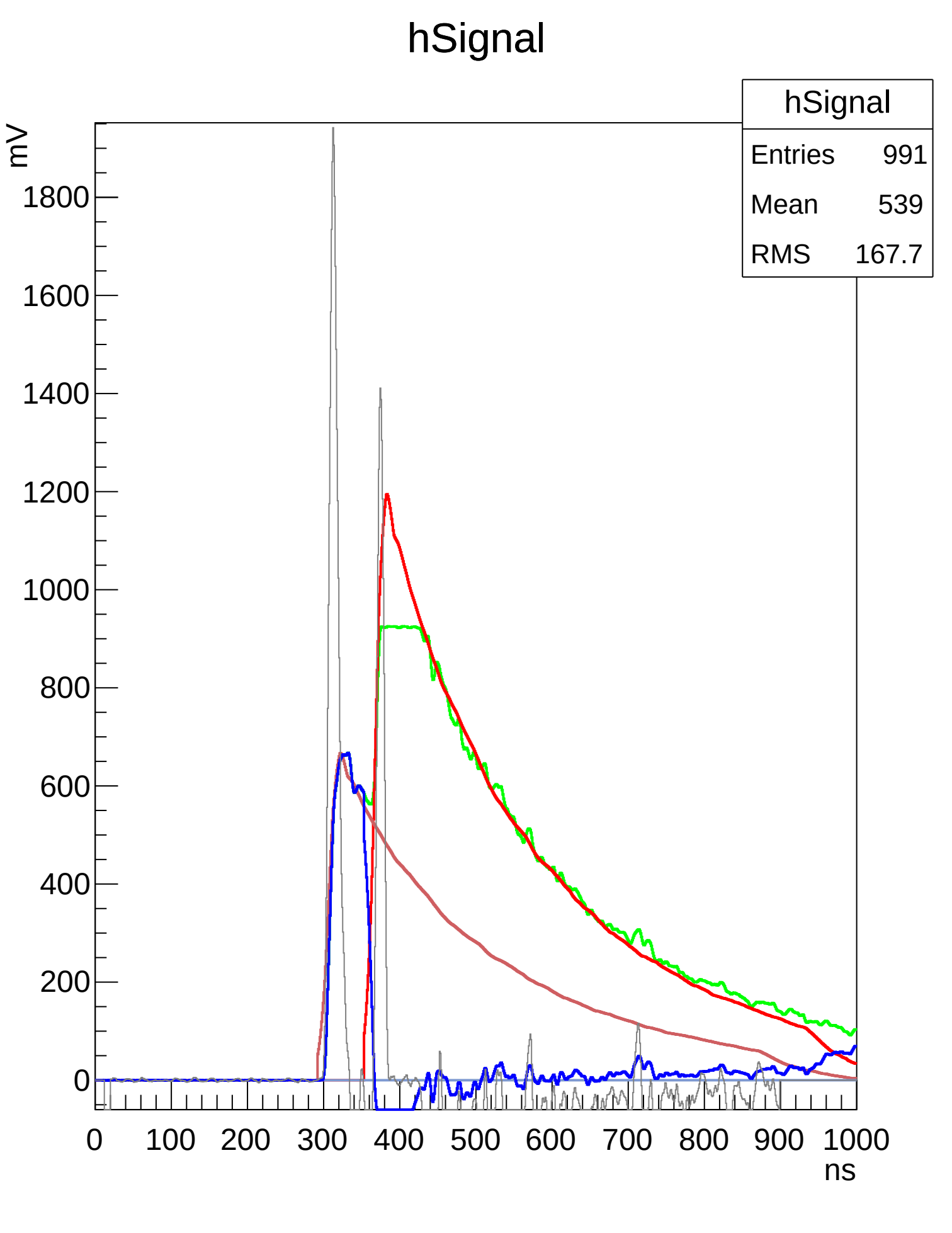

hSignal
hSignal
Entries 991
Mean 568.6
RMS 160.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

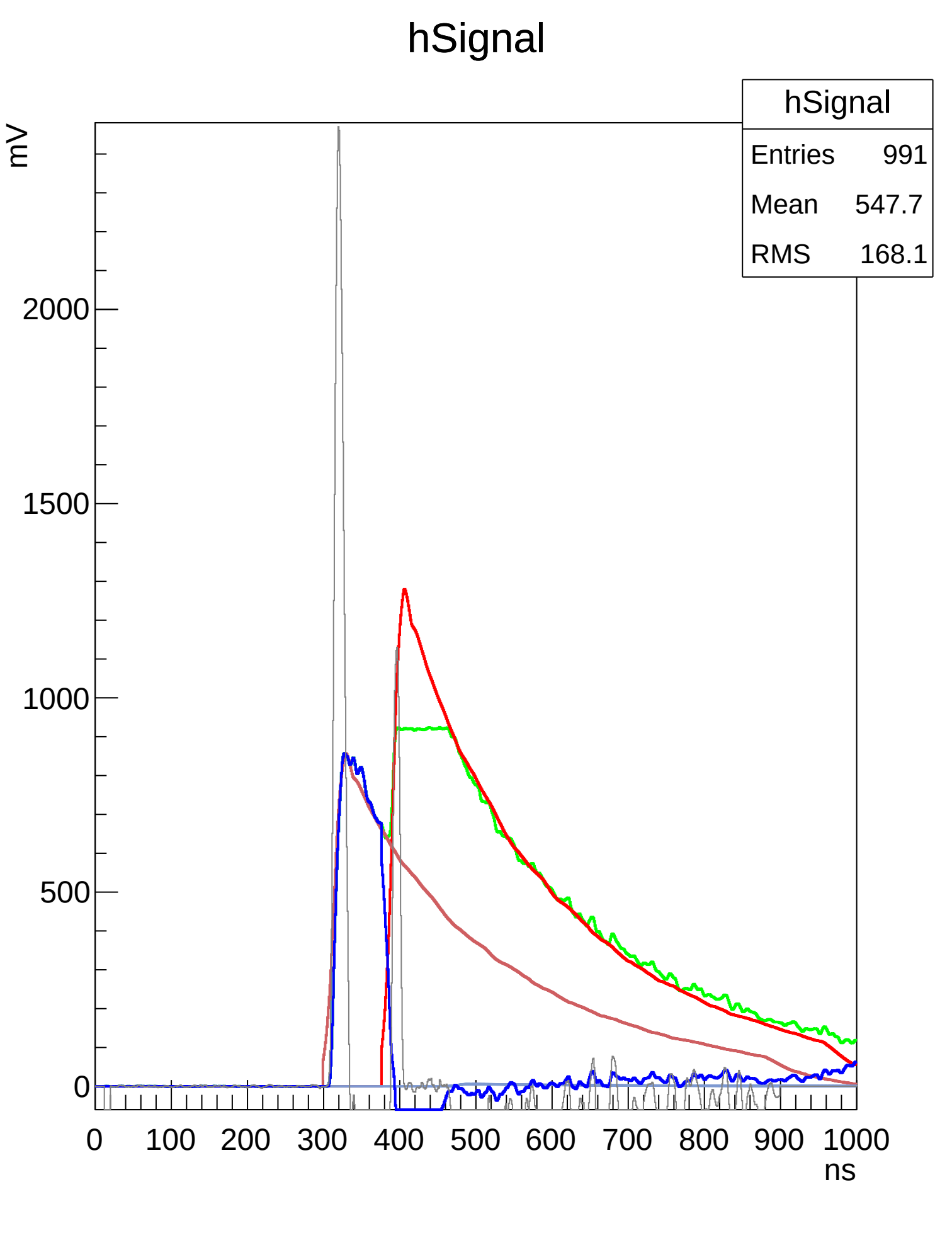

hSignal
hSignal
Entries 991
Mean 565.9
RMS 163.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

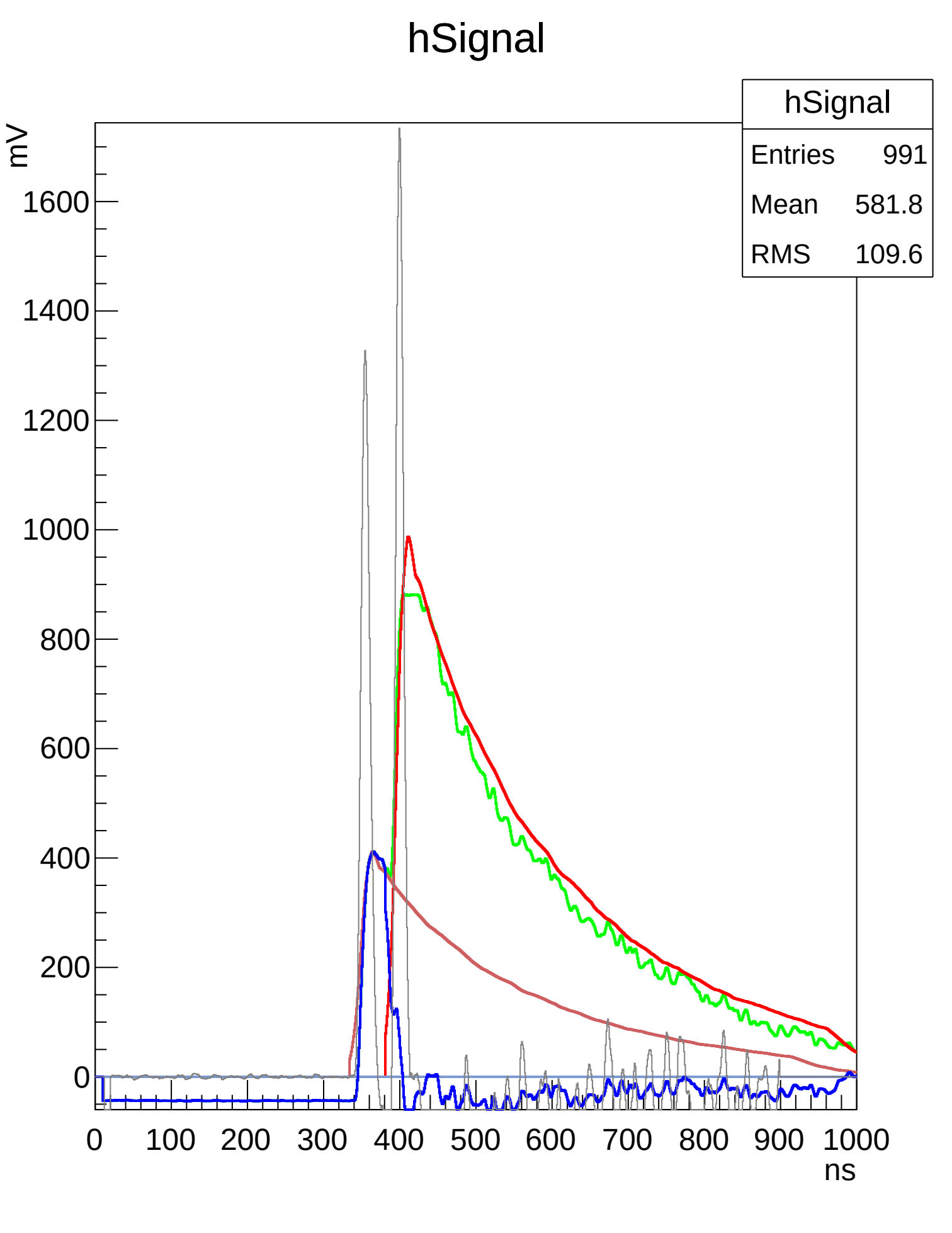

hSignal
hSignal
Entries 991
Mean 598.2
RMS 153.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

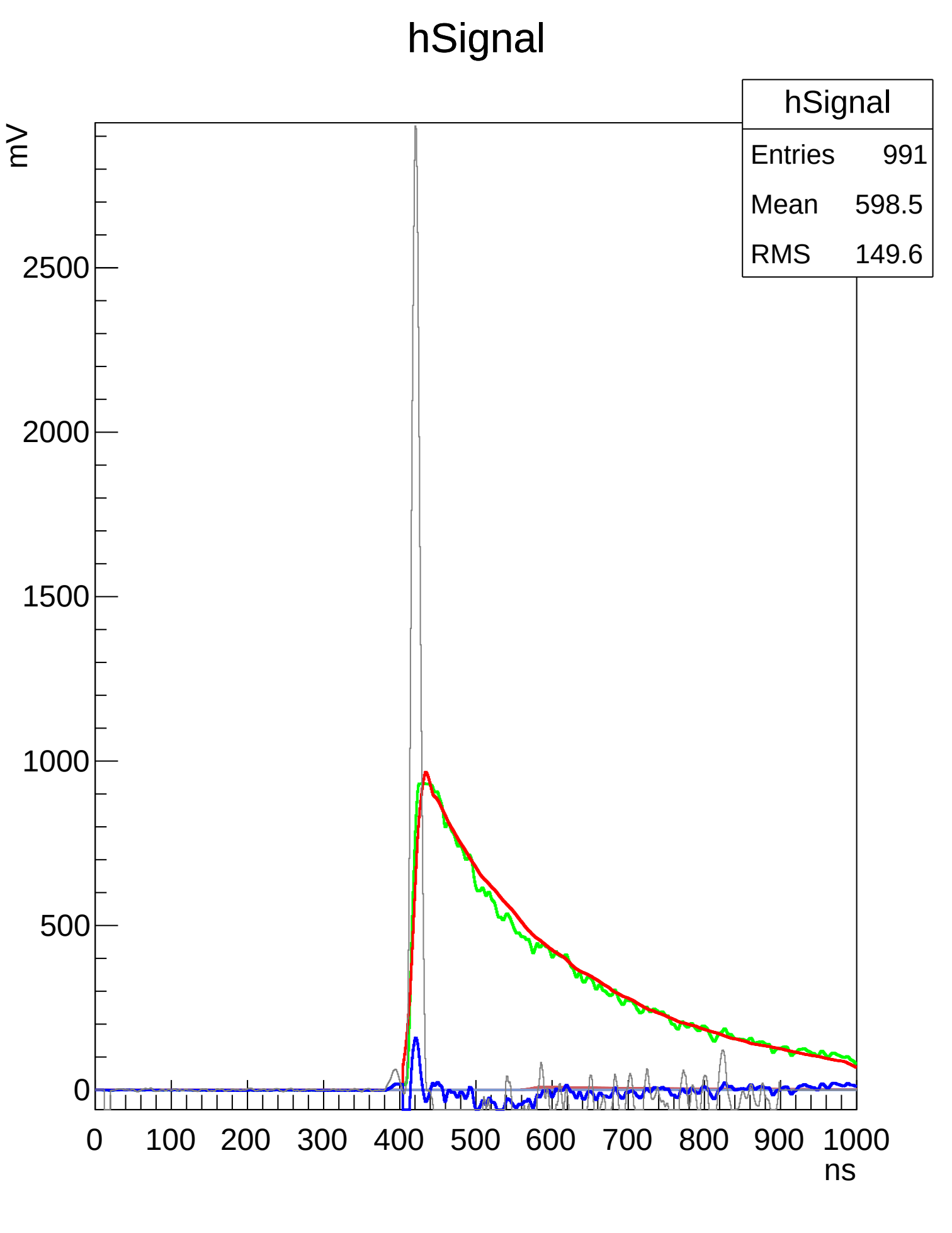

hSignal
hSignal
Entries 991
Mean 554.4
RMS 137.9
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

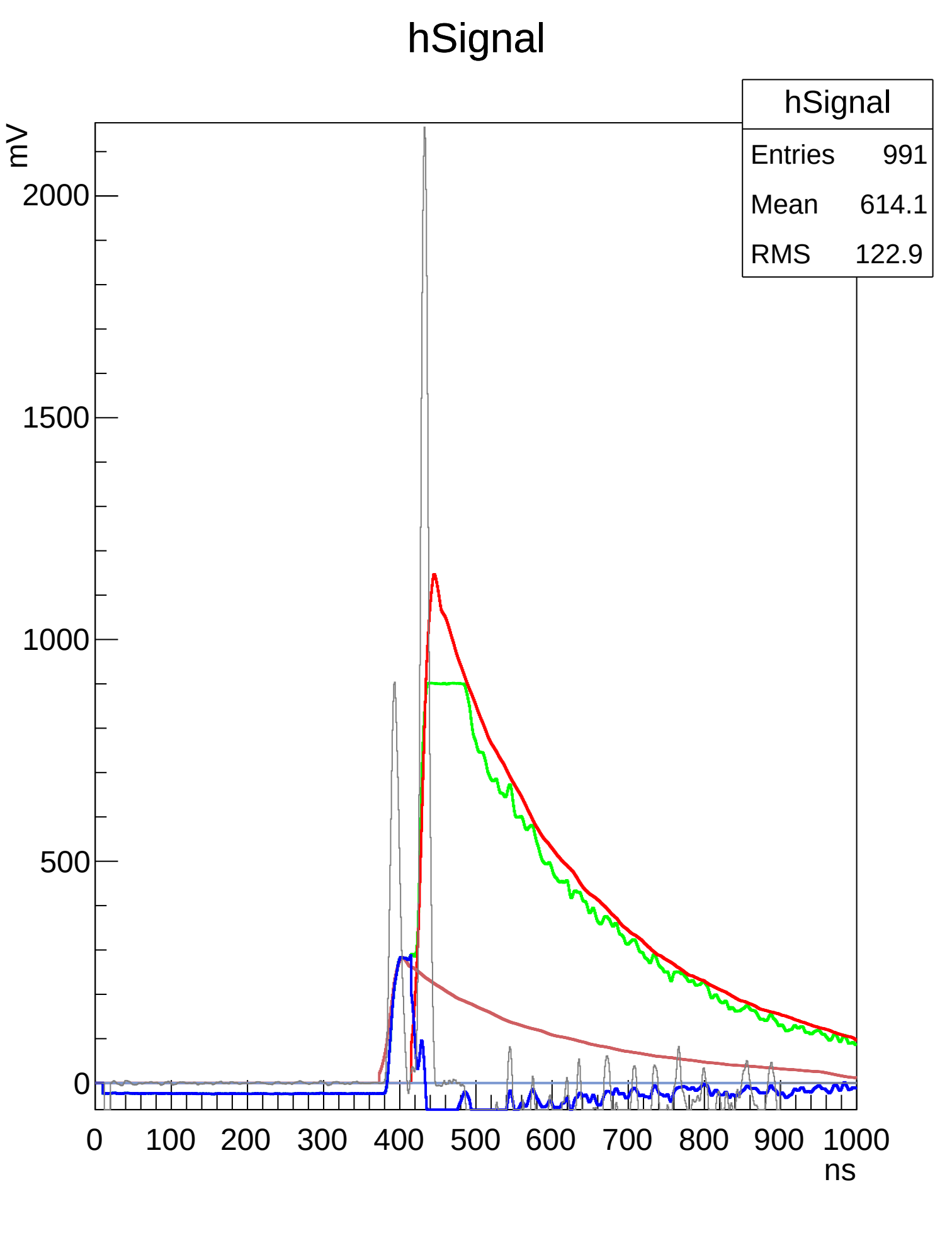

hSignal
hSignal
Entries 991
Mean 555.3
RMS 166.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

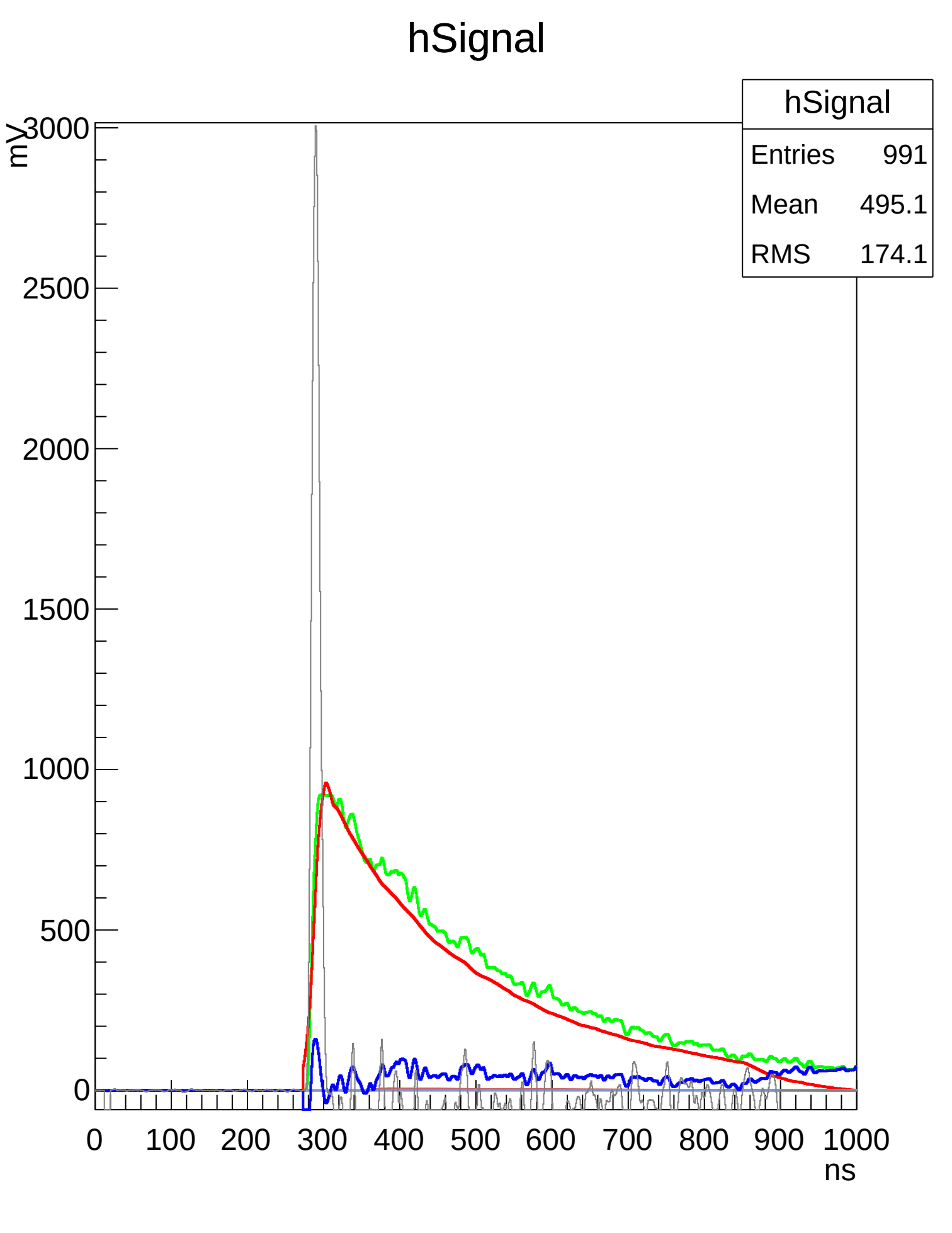

hSignal
hSignal
Entries 991
Mean 539
RMS 167.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

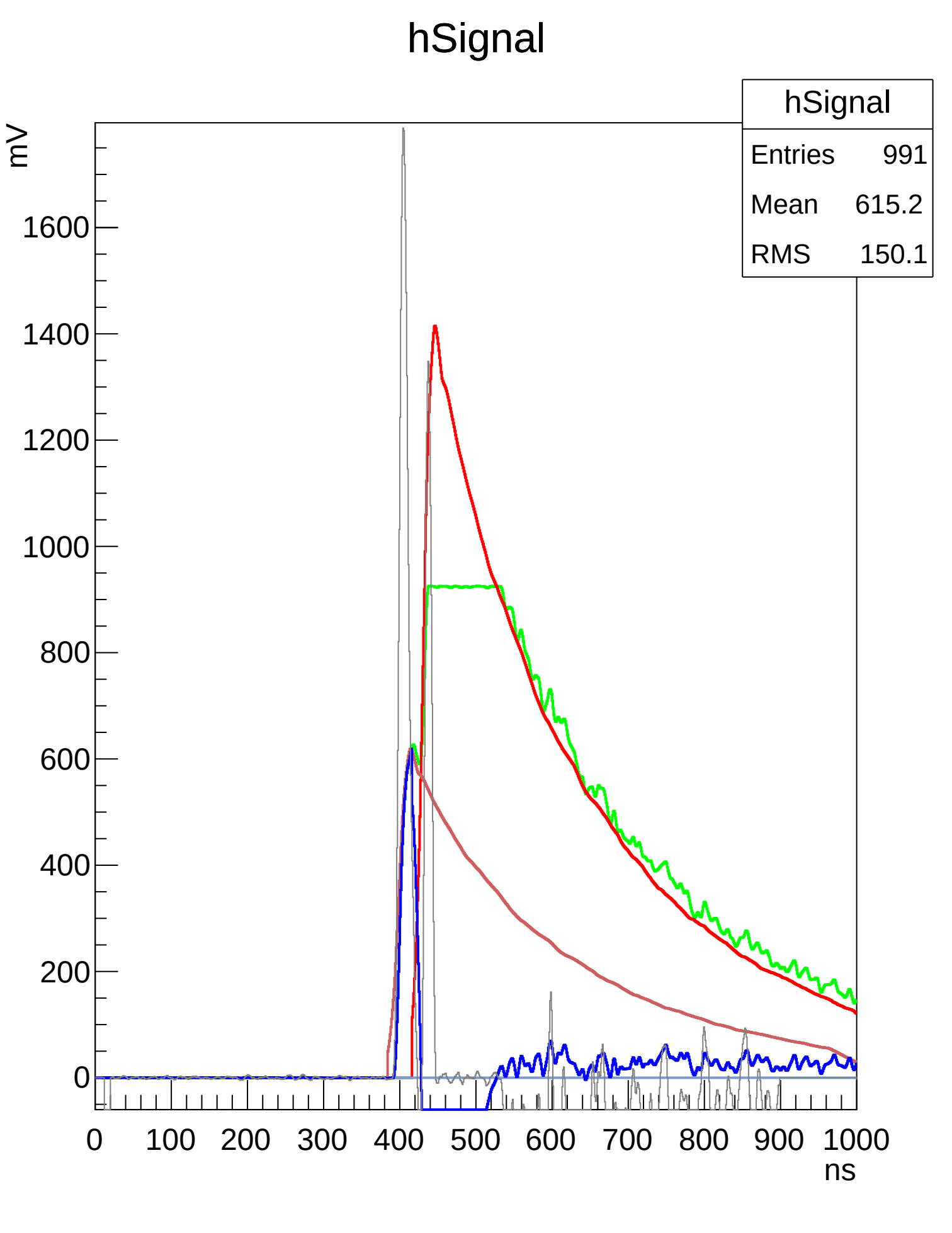

hSignal
hSignal
Entries 991
Mean 547.7
RMS 168.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

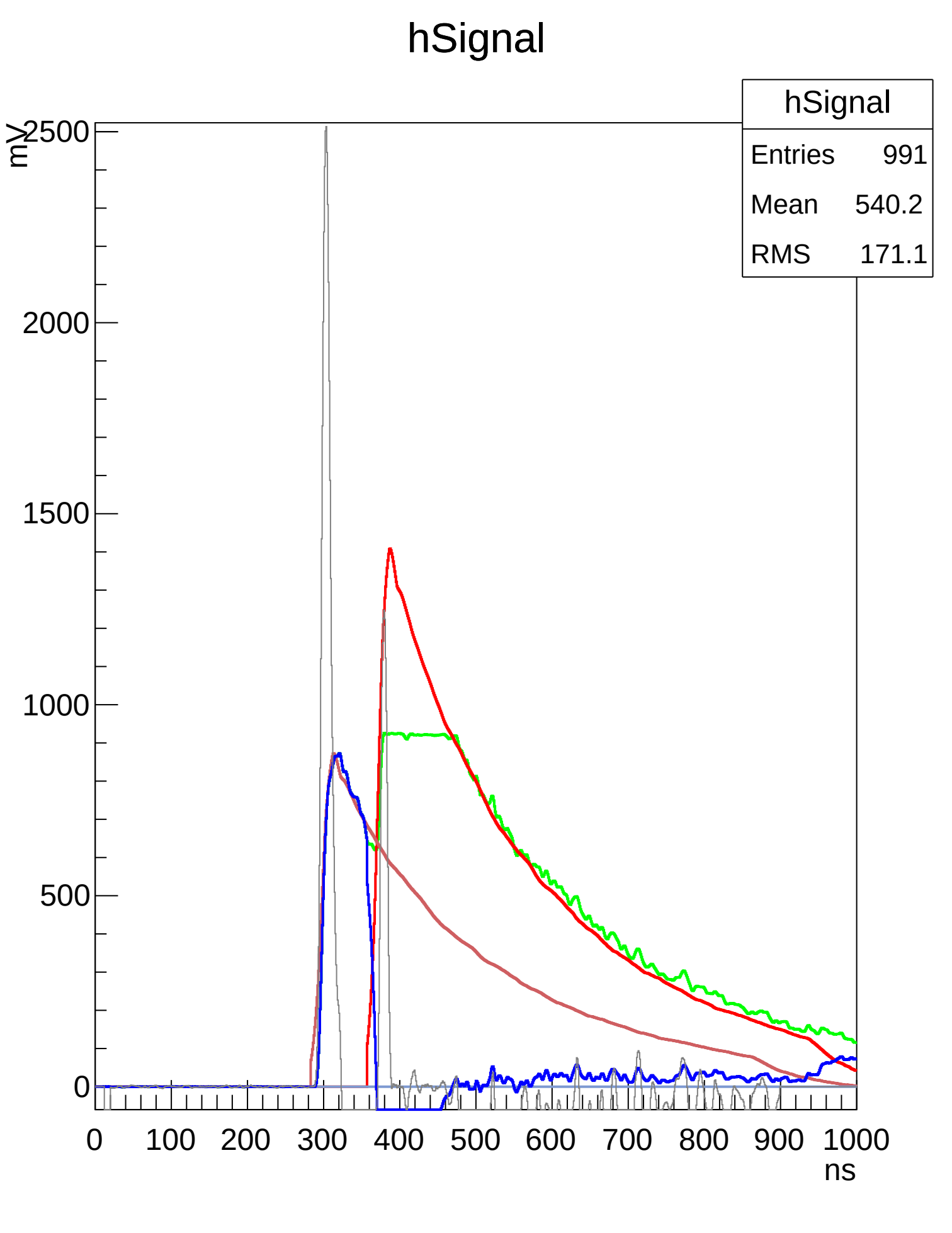

hSignal
hSignal
Entries 991
Mean 581.8
RMS 109.6
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

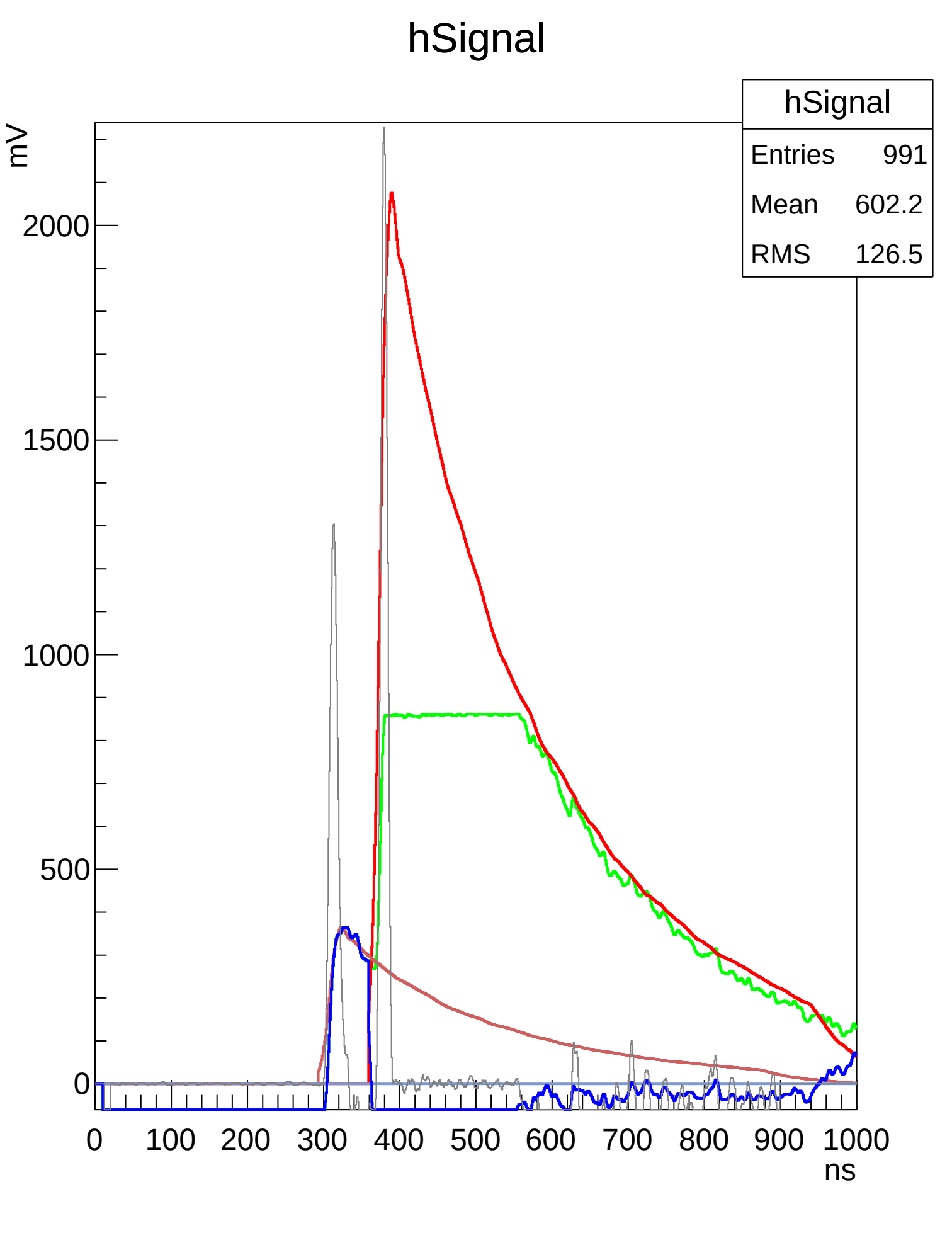

hSignal
hSignal
Entries 991
Mean 598.5
RMS 149.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

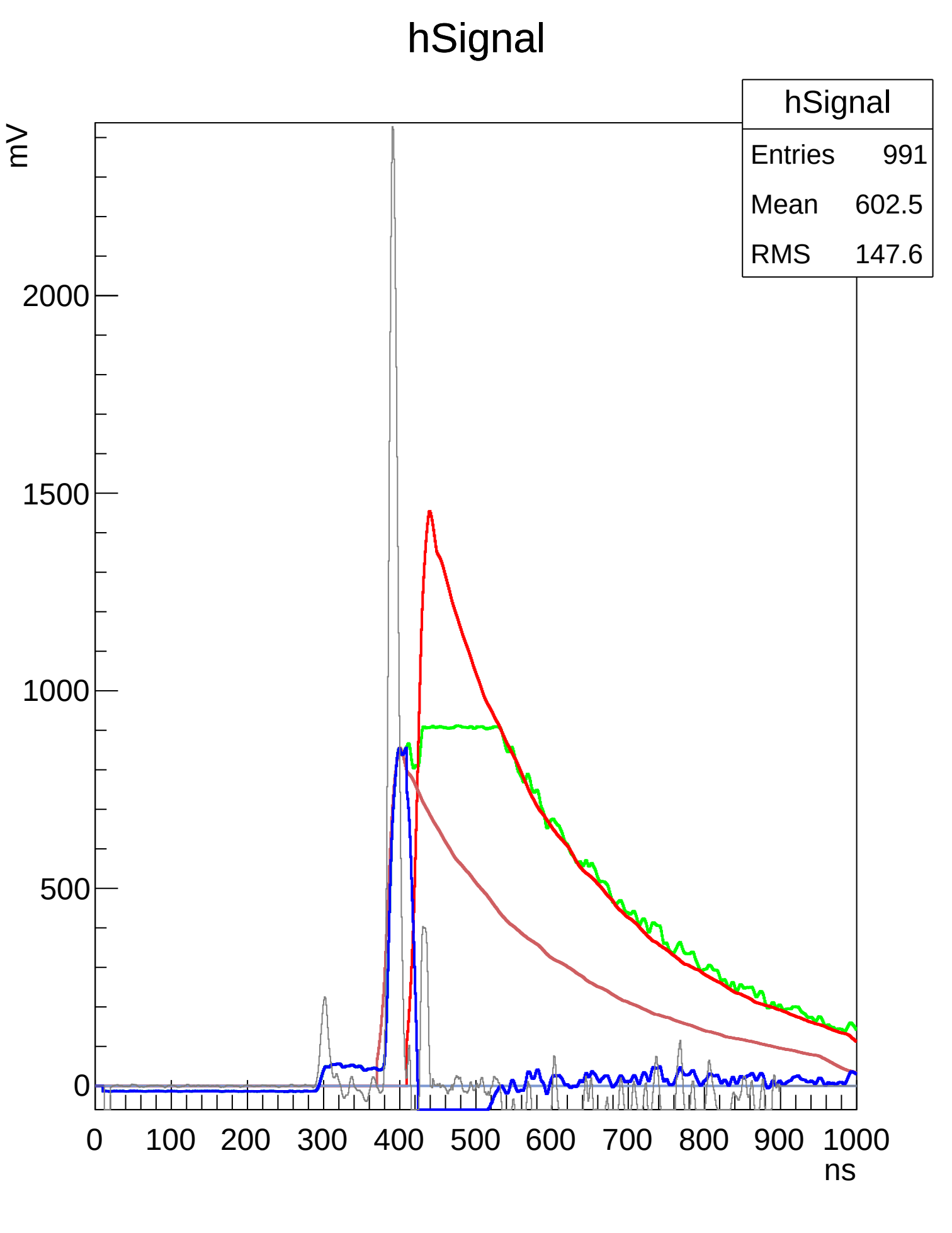

hSignal
hSignal
Entries 991
Mean 614.1
RMS 122.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

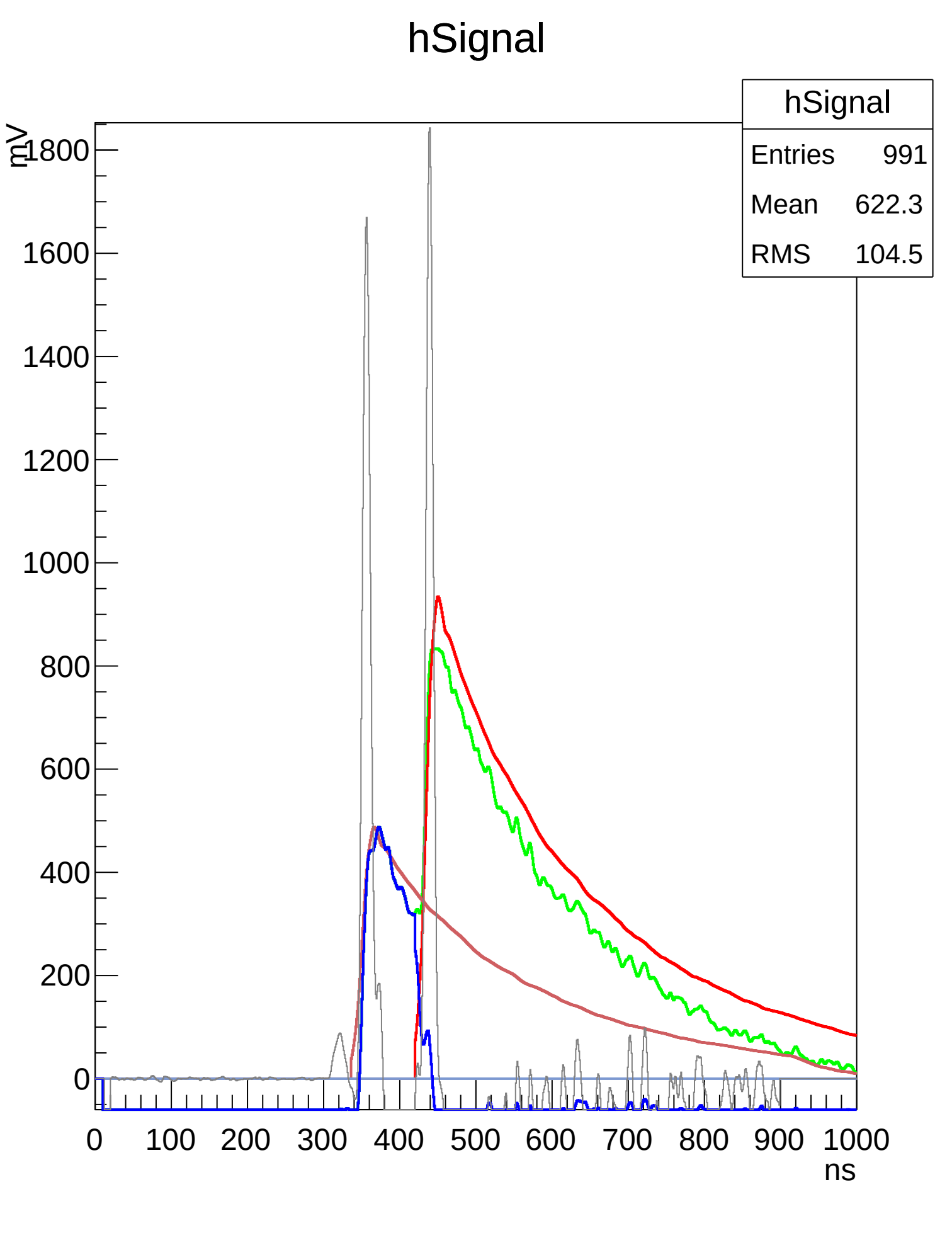

hSignal
hSignal
Entries 991
Mean 495.1
RMS 174.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

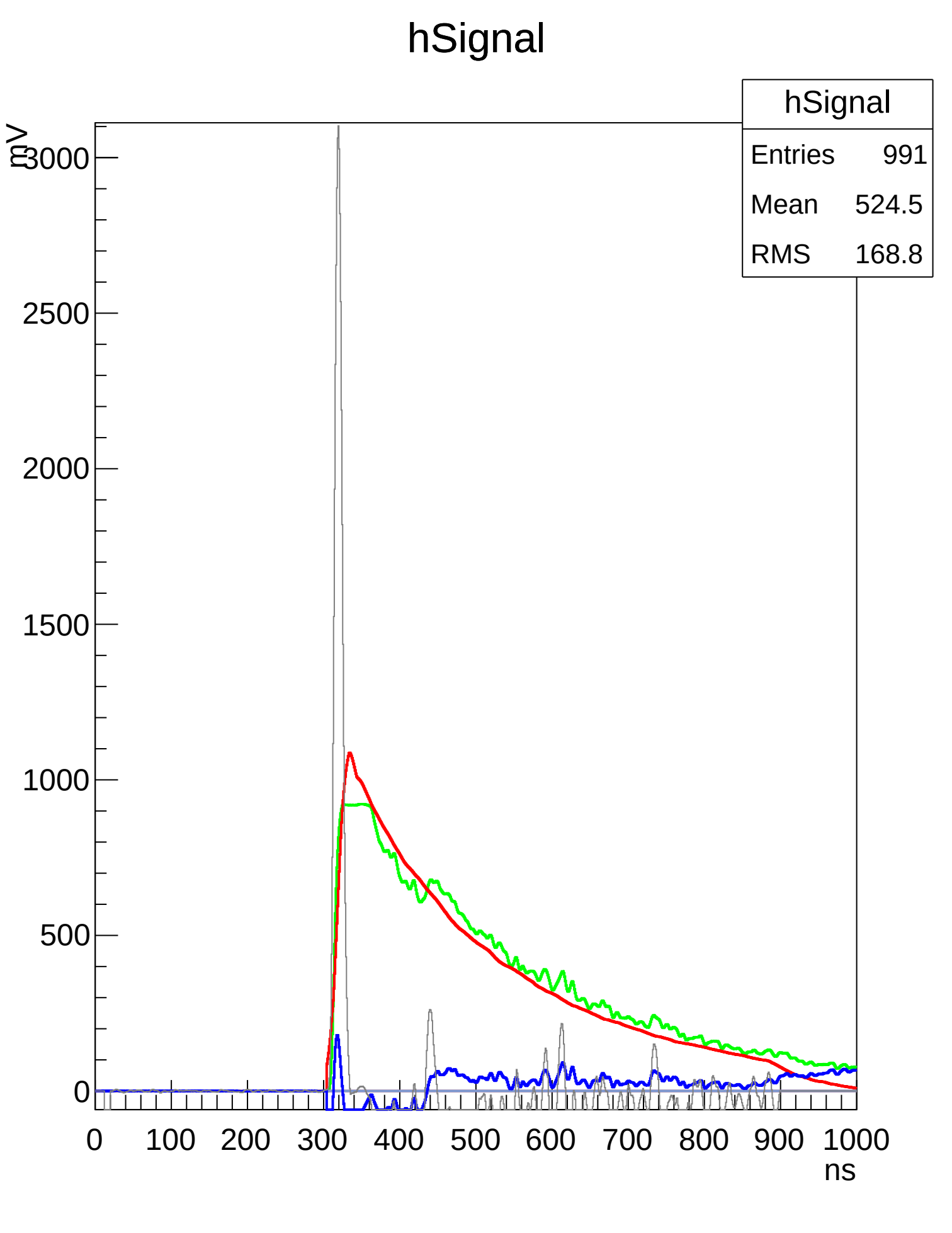

hSignal
hSignal
Entries 991
Mean 615.2
RMS 150.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

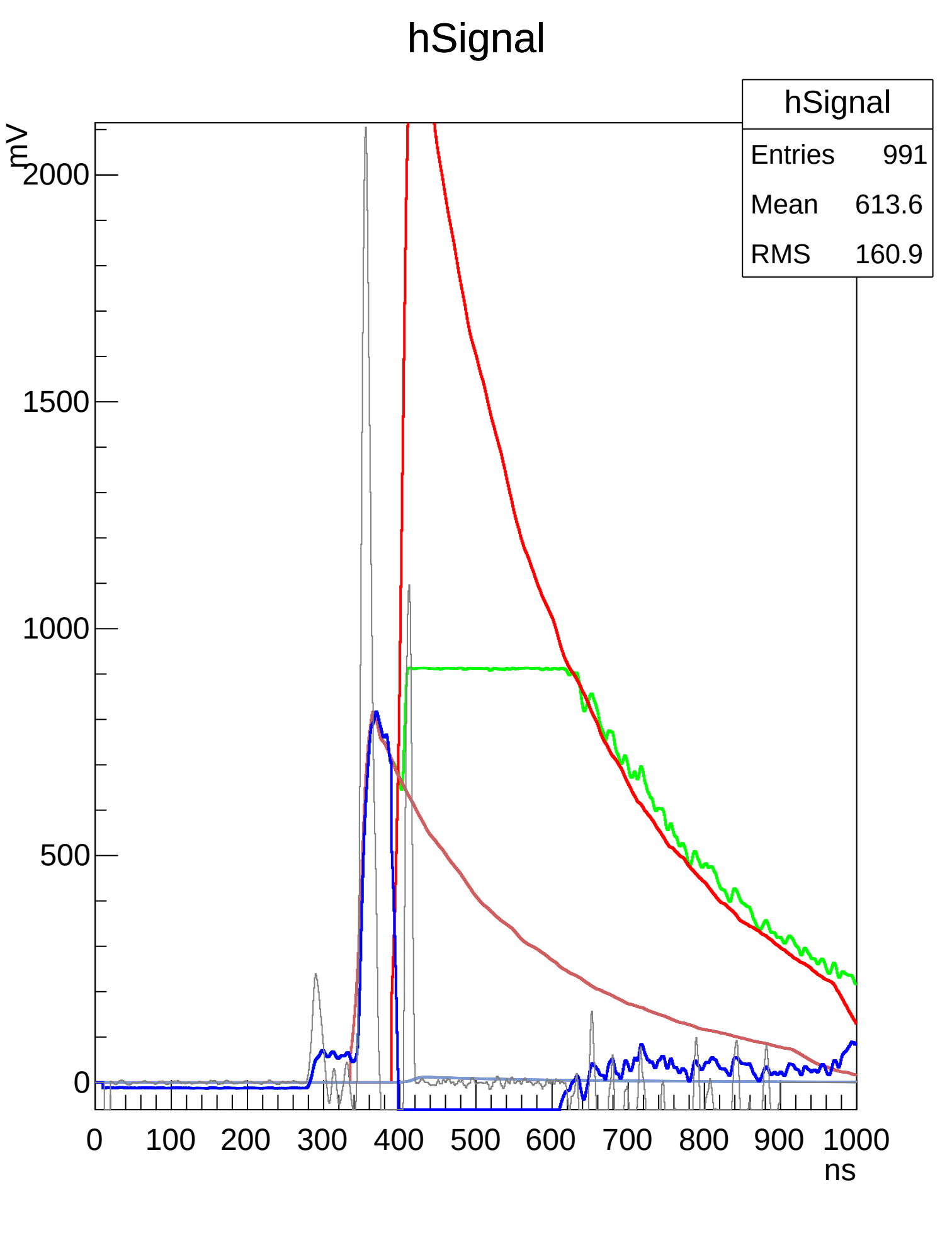

hSignal
hSignal
Entries 991
Mean 540.2
RMS 171.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

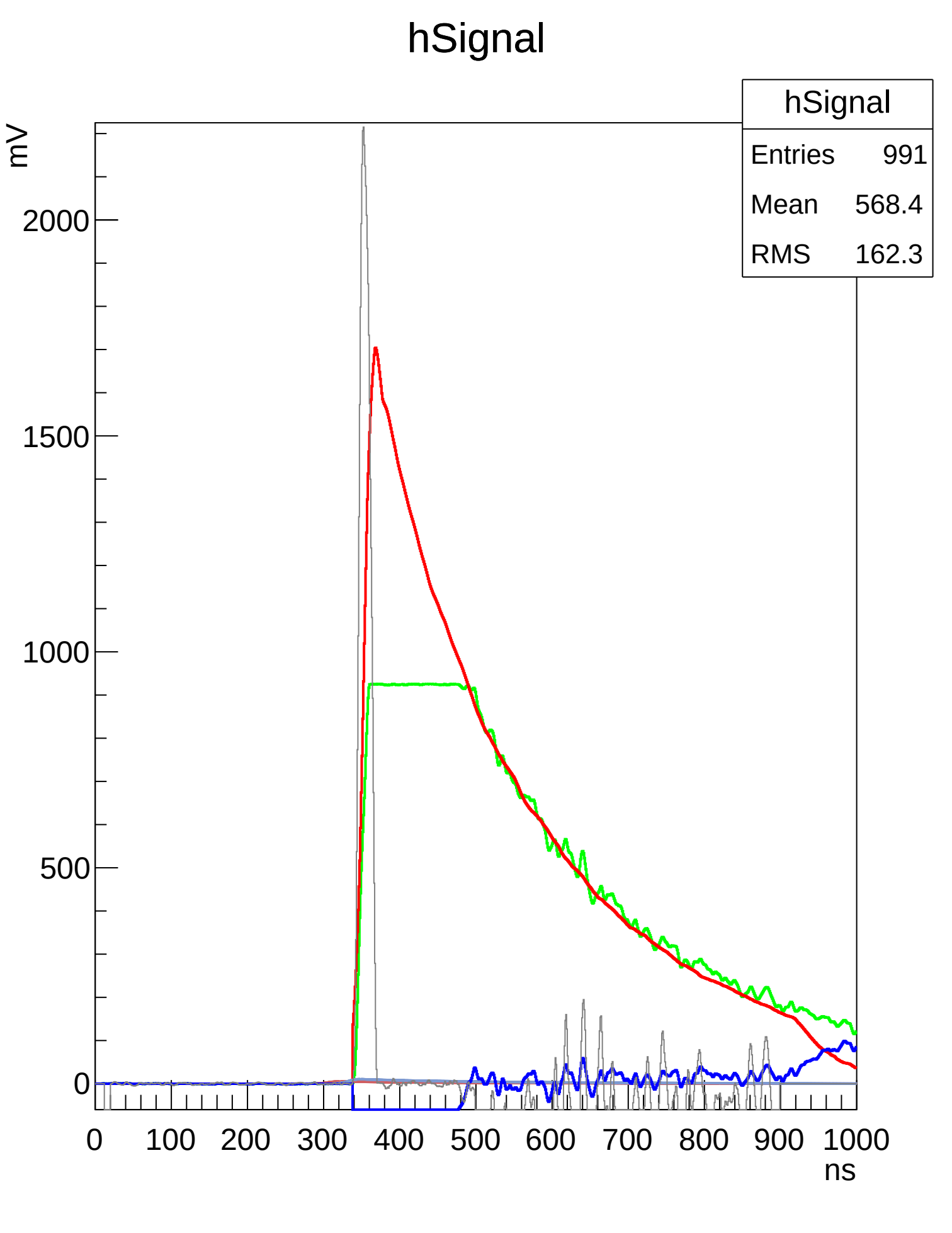

hSignal
hSignal
Entries 991
Mean 602.2
RMS 126.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

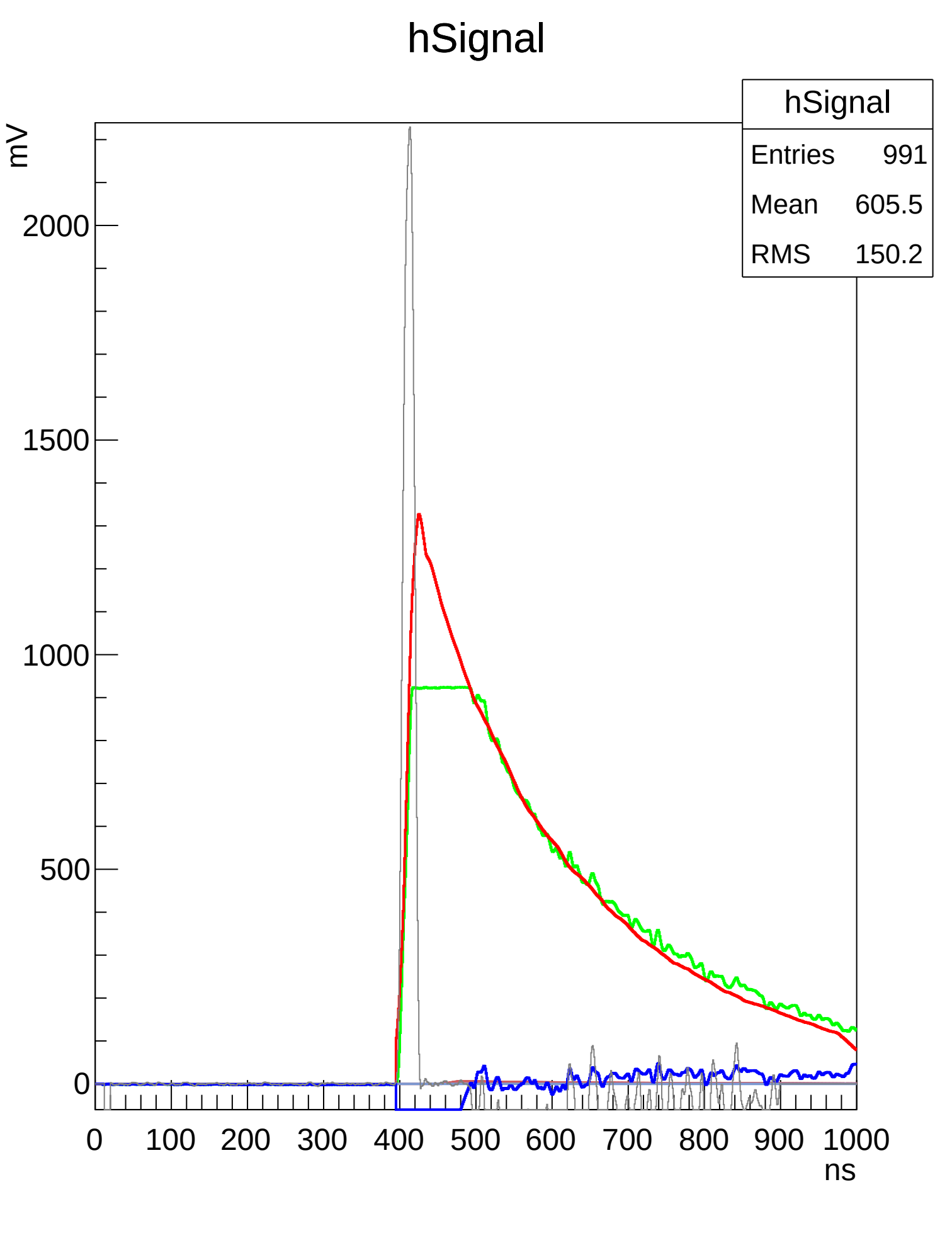

hSignal
hSignal
Entries 991
Mean 602.5
RMS 147.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

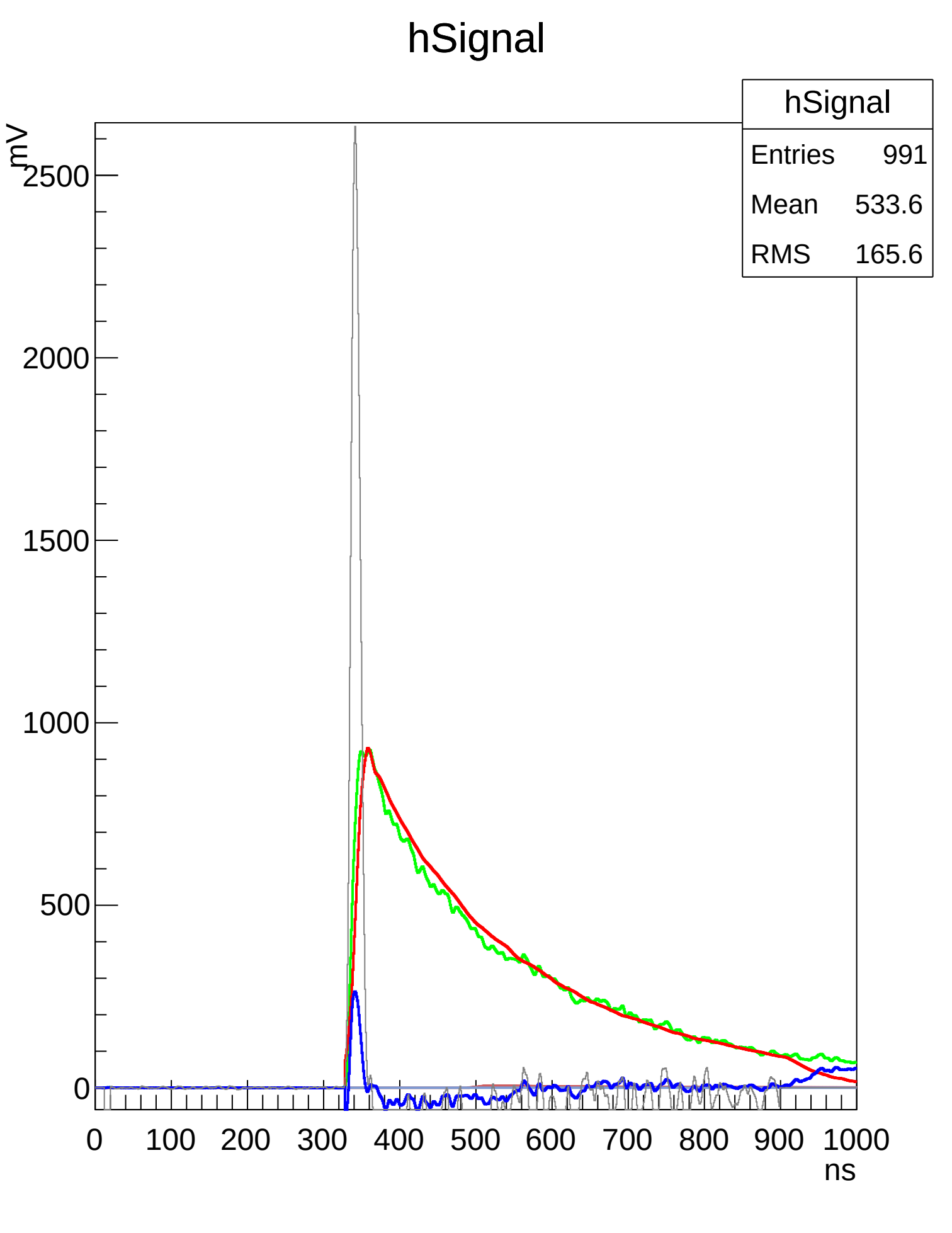

hSignal
hSignal
Entries 991
Mean 622.3
RMS 104.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

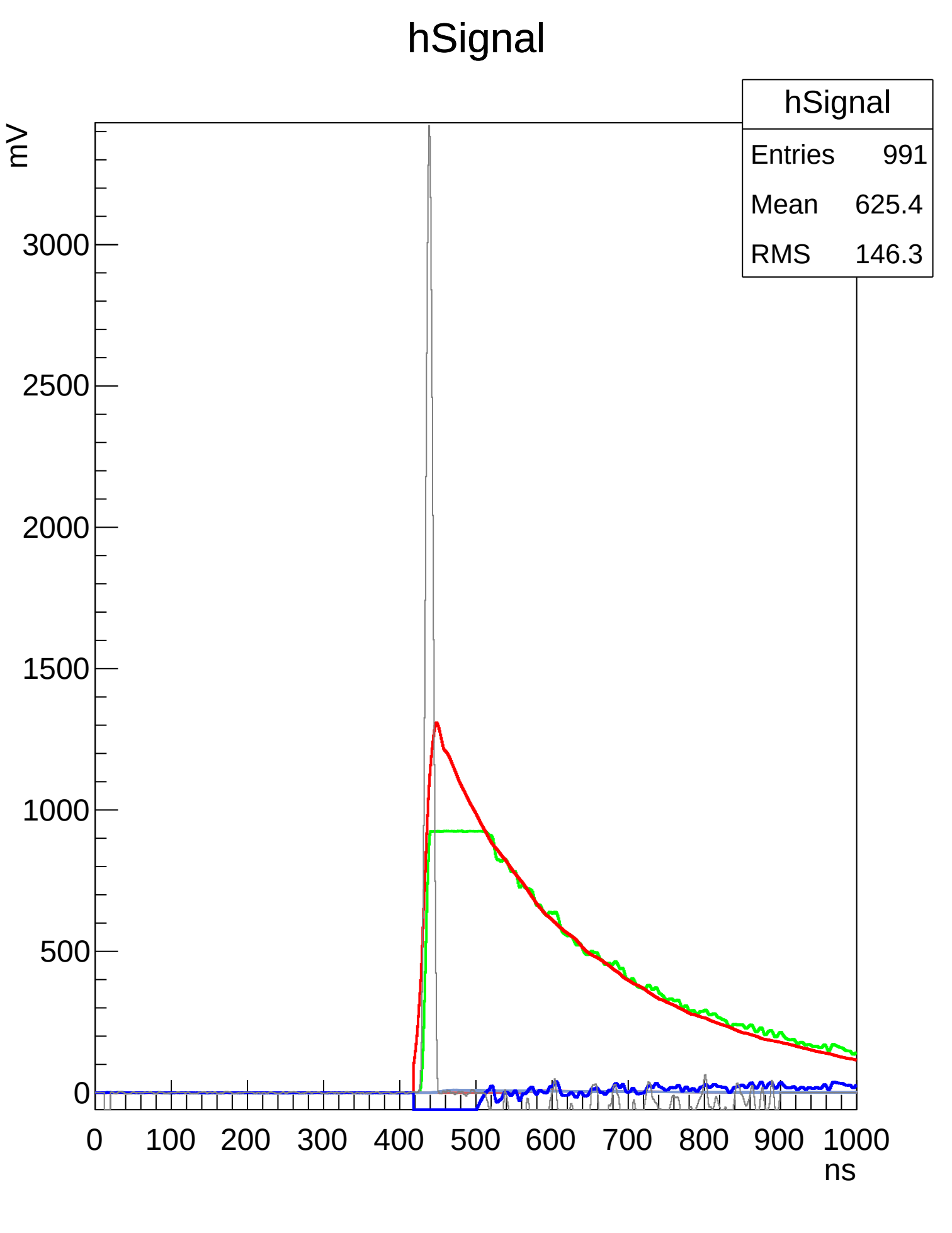

hSignal
hSignal
Entries 991
Mean 524.5
RMS 168.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

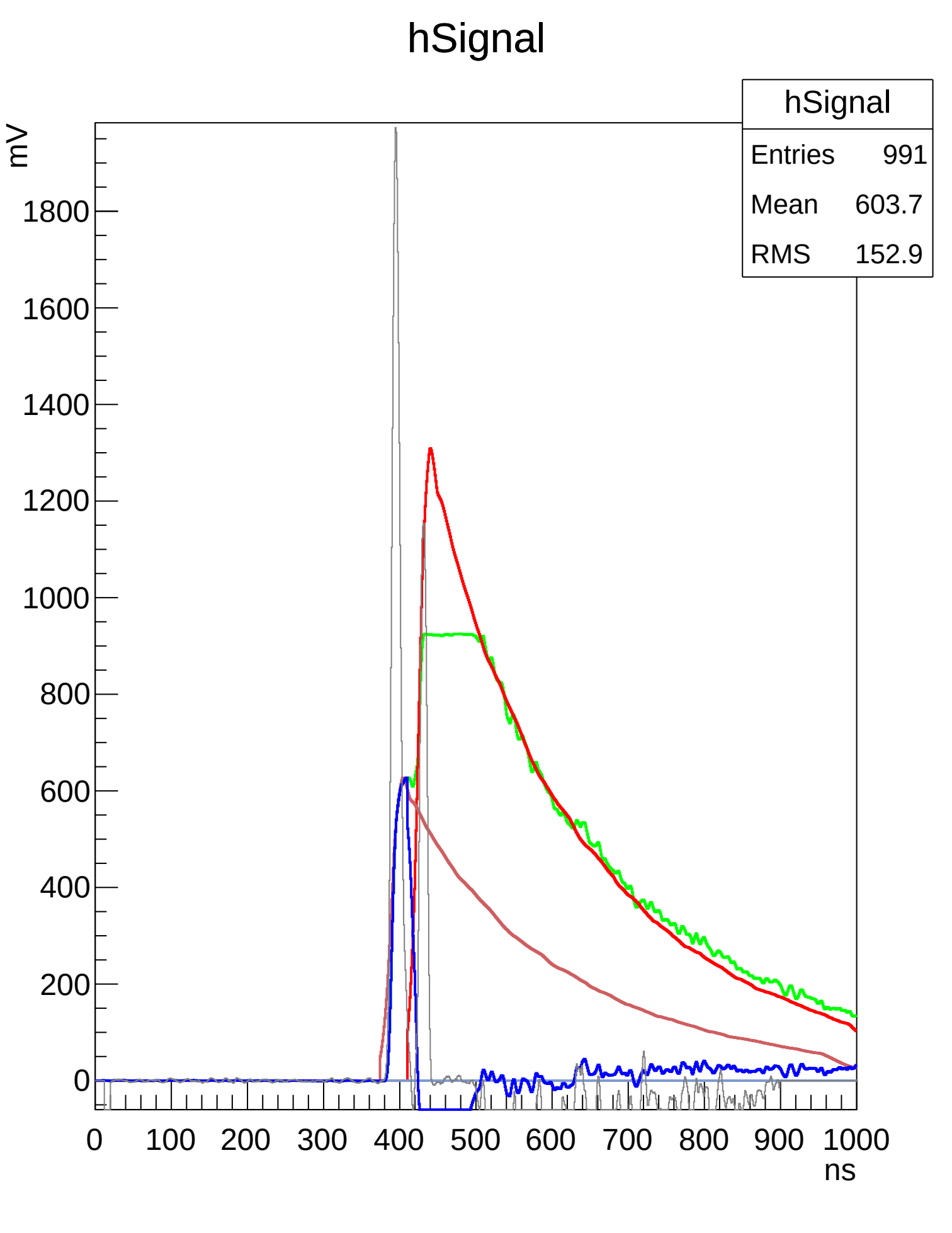

hSignal
hSignal
Entries 991
Mean 613.6
RMS 160.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

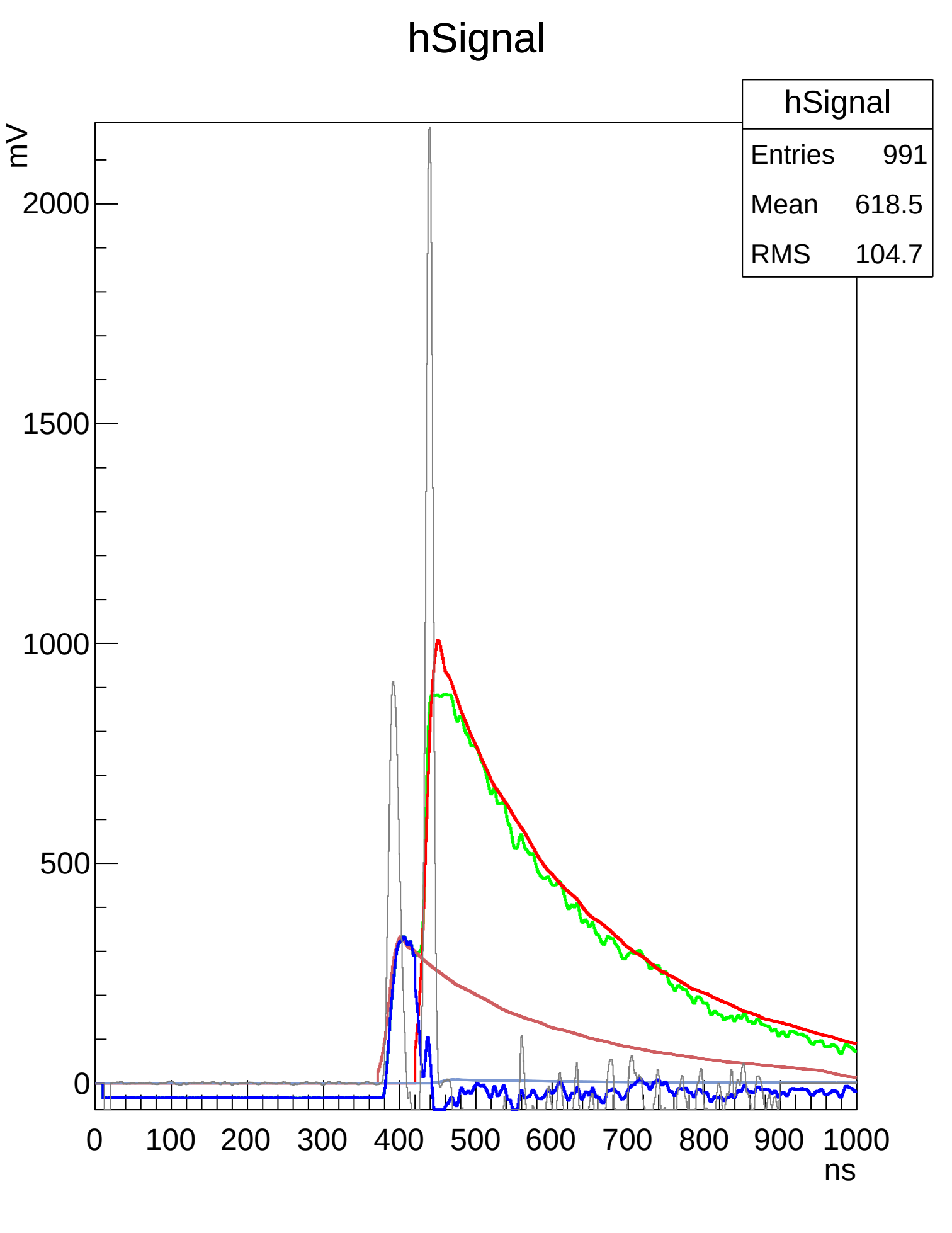

hSignal
hSignal
Entries 991
Mean 568.4
RMS 162.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

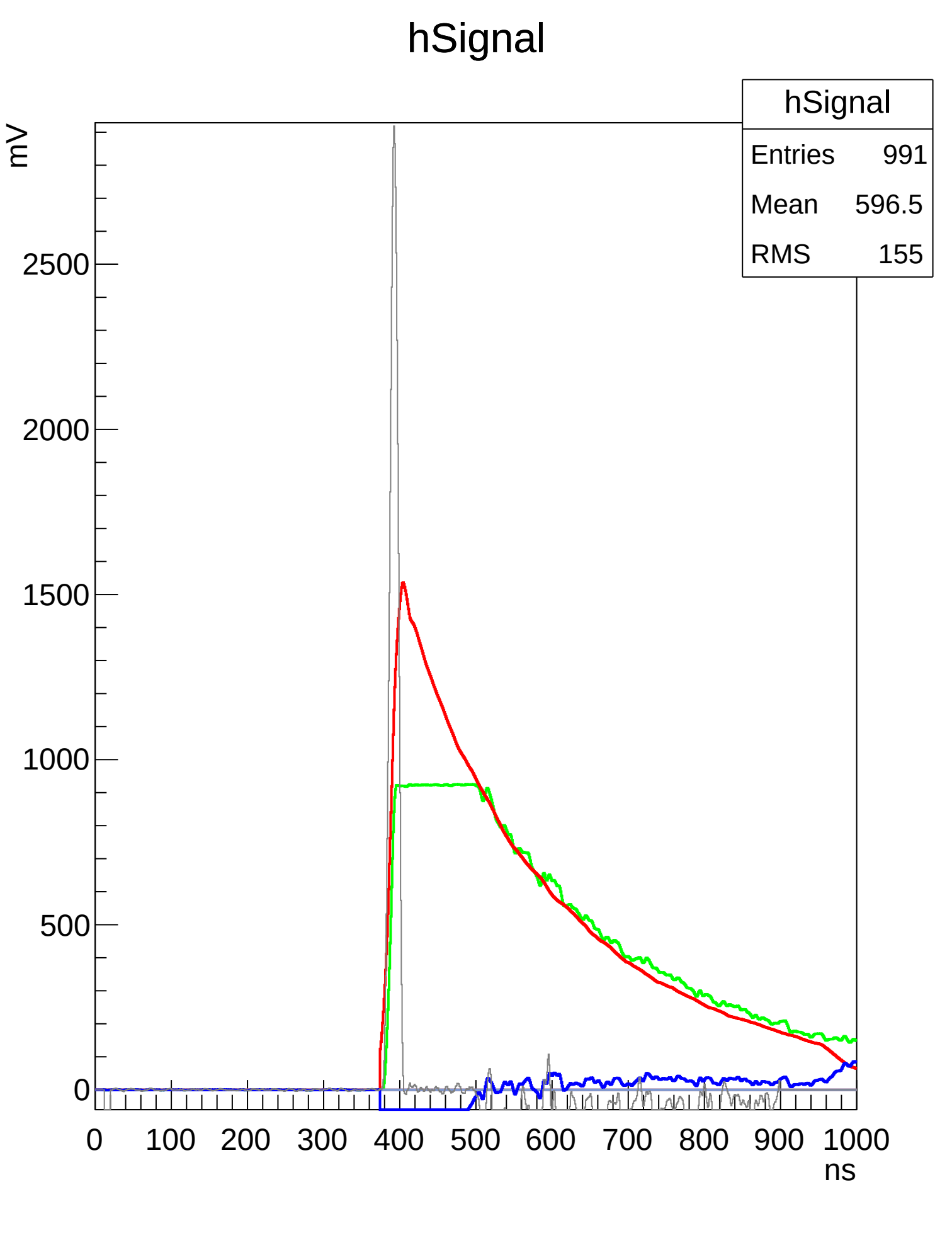

hSignal
hSignal
Entries 991
Mean 605.5
RMS 150.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

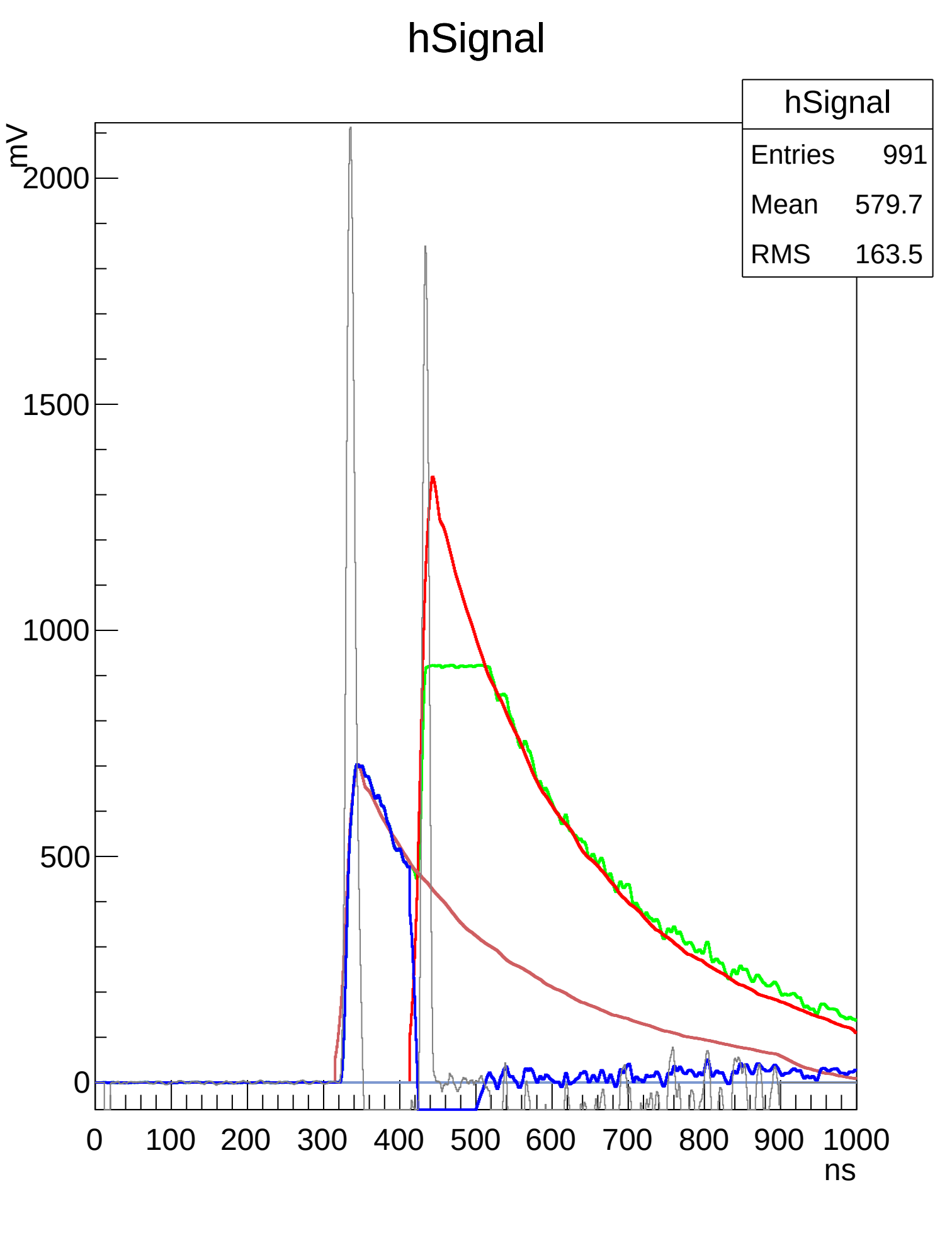

hSignal
hSignal
Entries 991
Mean 533.6
RMS 165.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

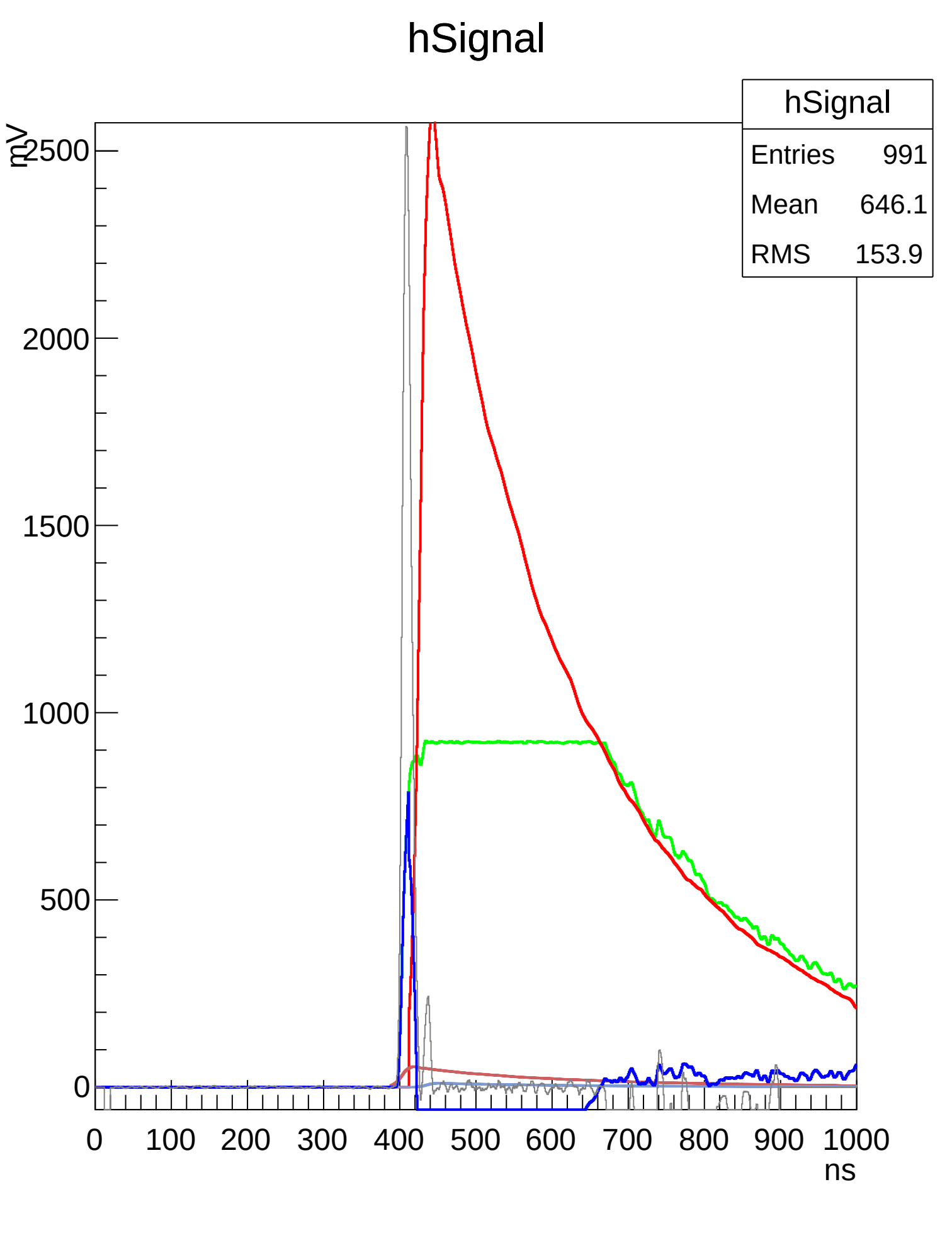

hSignal
hSignal
Entries 991
Mean 625.4
RMS 146.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

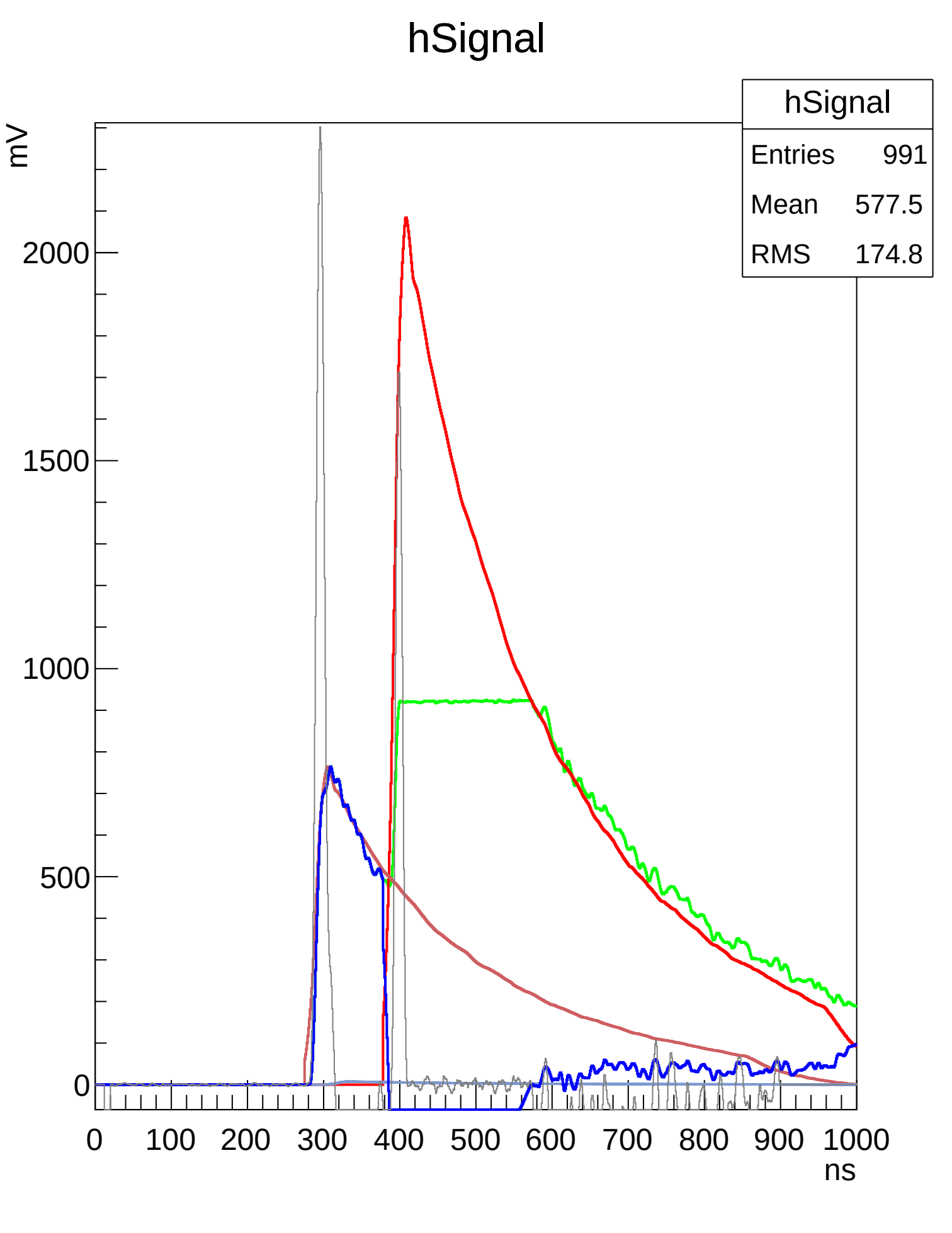

hSignal
hSignal
Entries 991
Mean 603.7
RMS 152.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

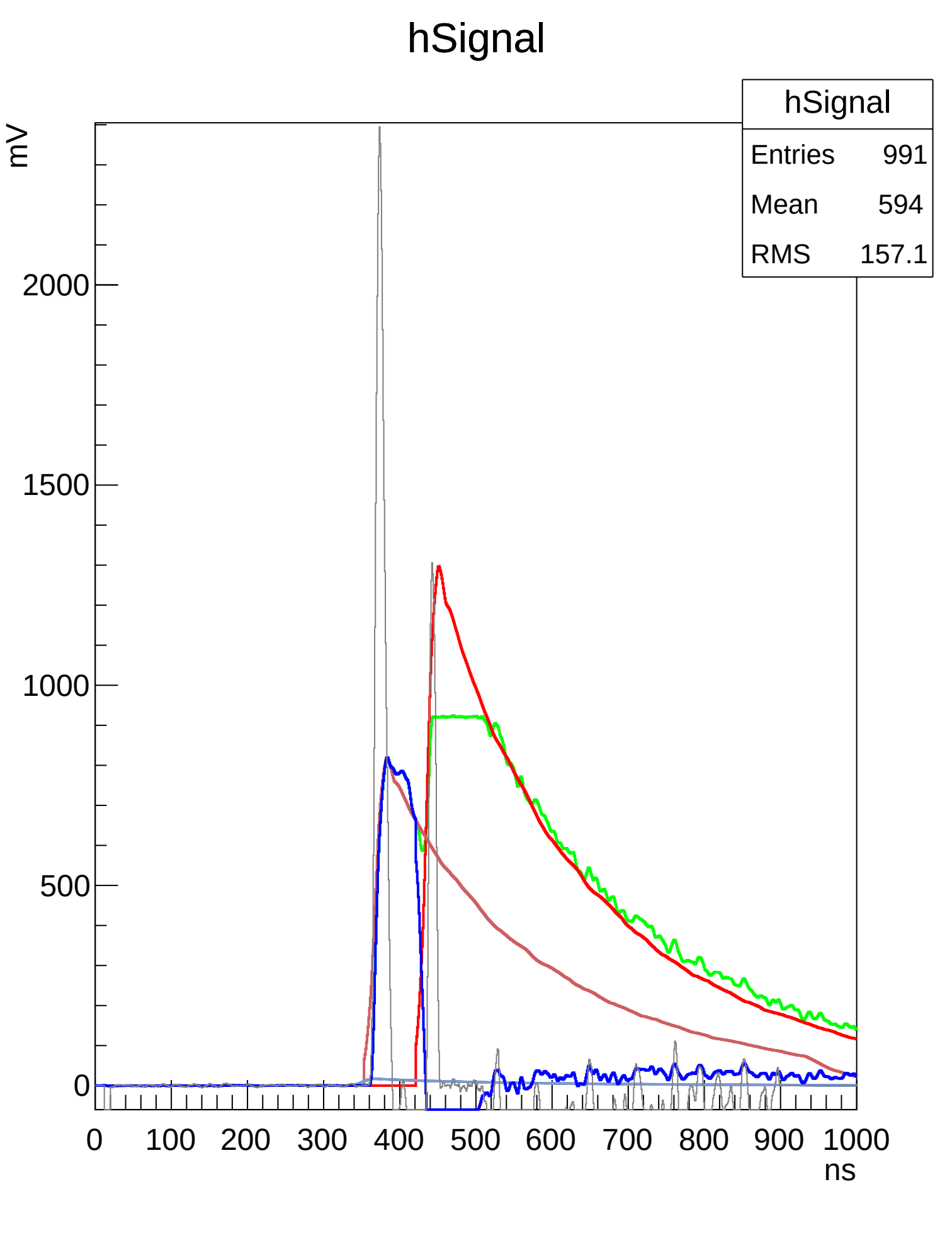

hSignal
hSignal
Entries 991
Mean 618.5
RMS 104.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

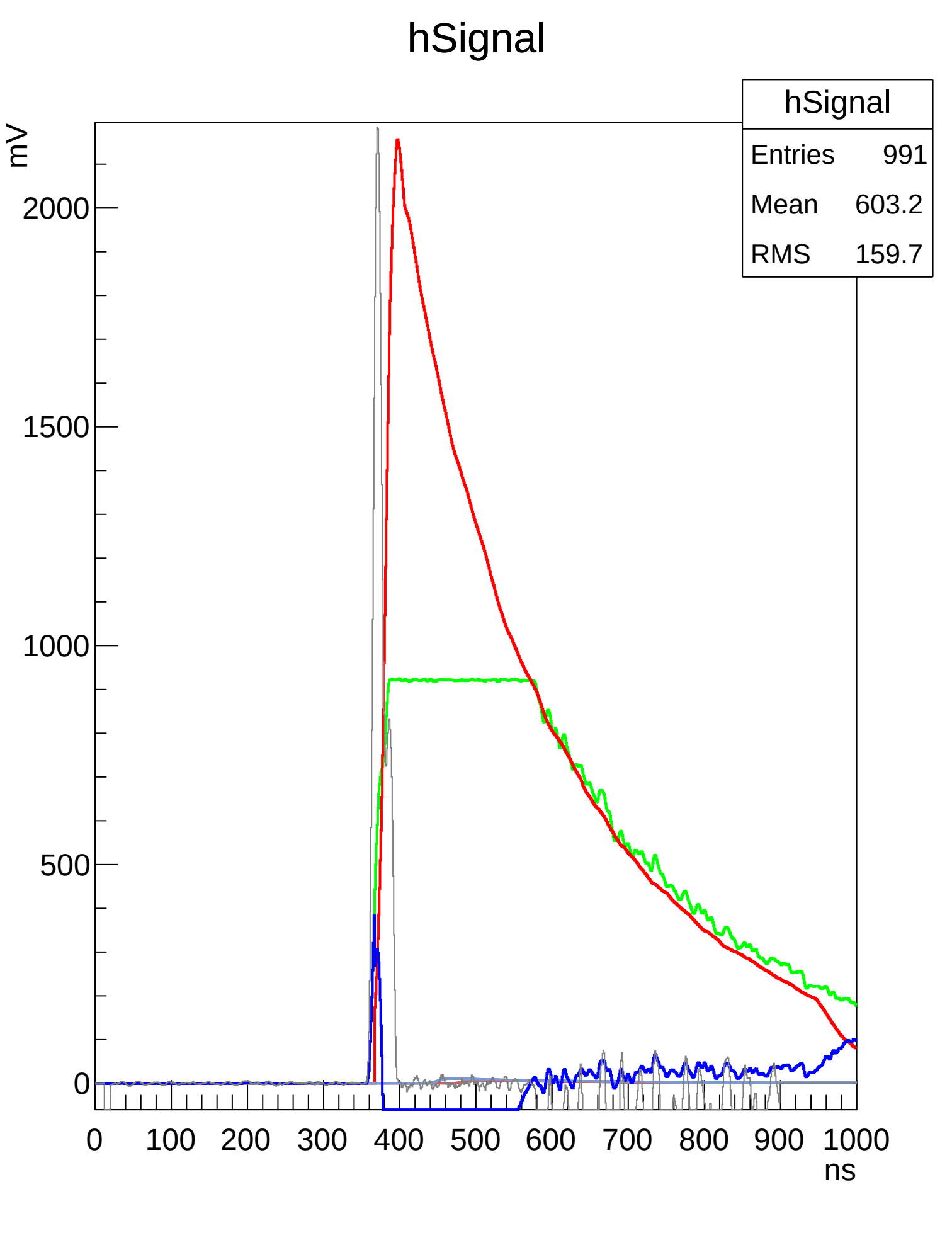

hSignal
hSignal
Entries 991
Mean 596.5
RMS 155
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

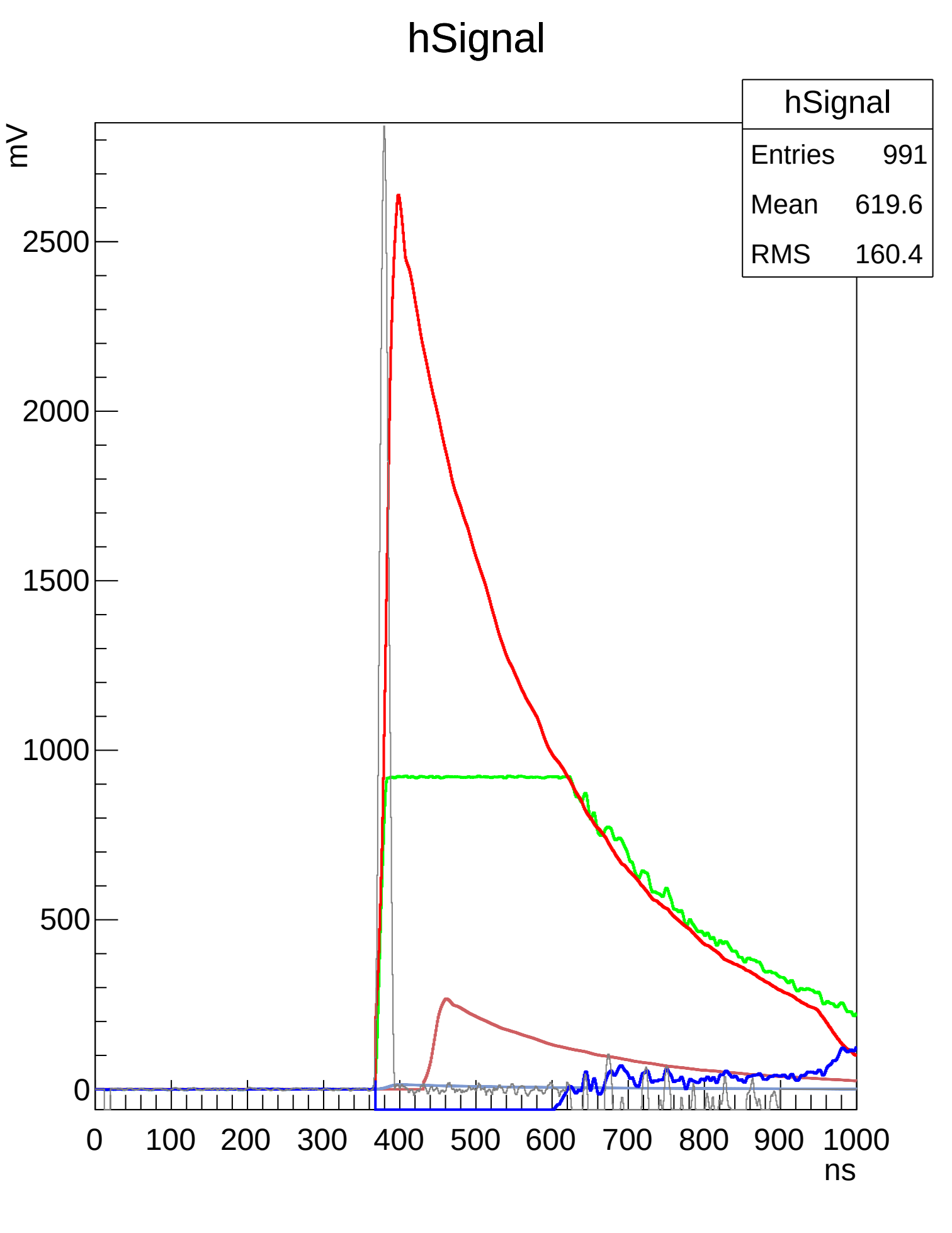

hSignal
hSignal
Entries 991
Mean 579.7
RMS 163.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

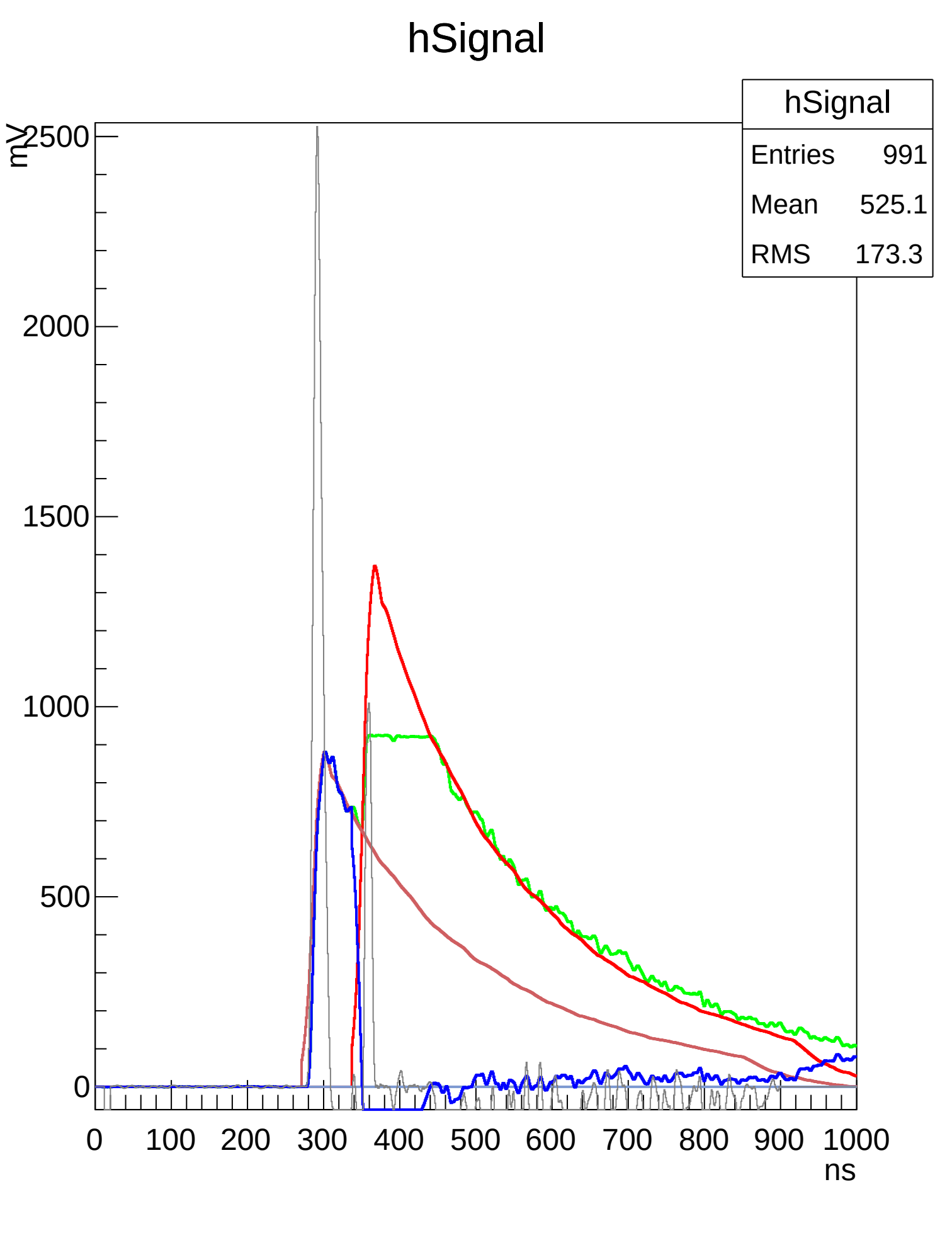

hSignal
hSignal
Entries 991
Mean 646.1
RMS 153.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

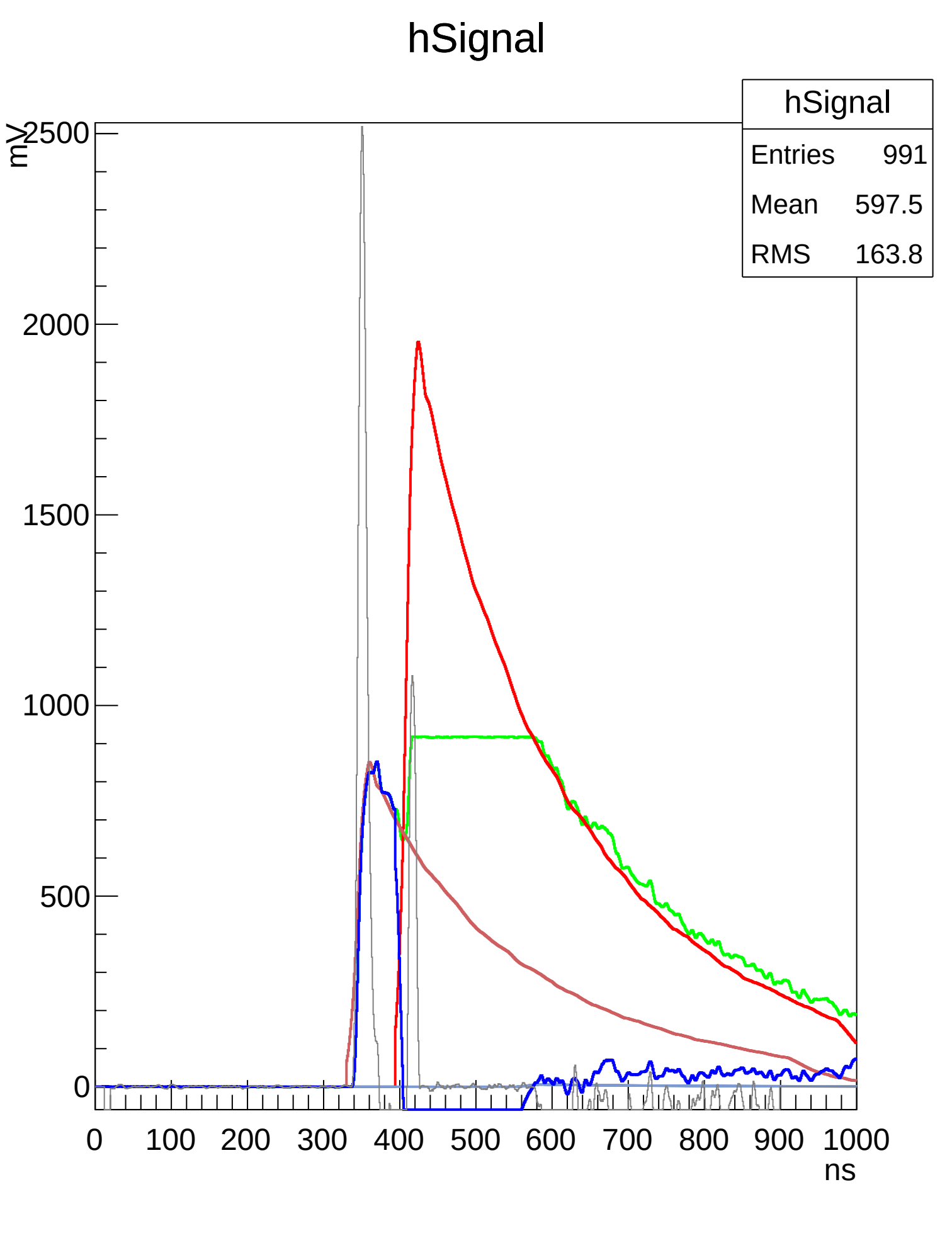

hSignal
hSignal
Entries 991
Mean 577.5
RMS 174.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

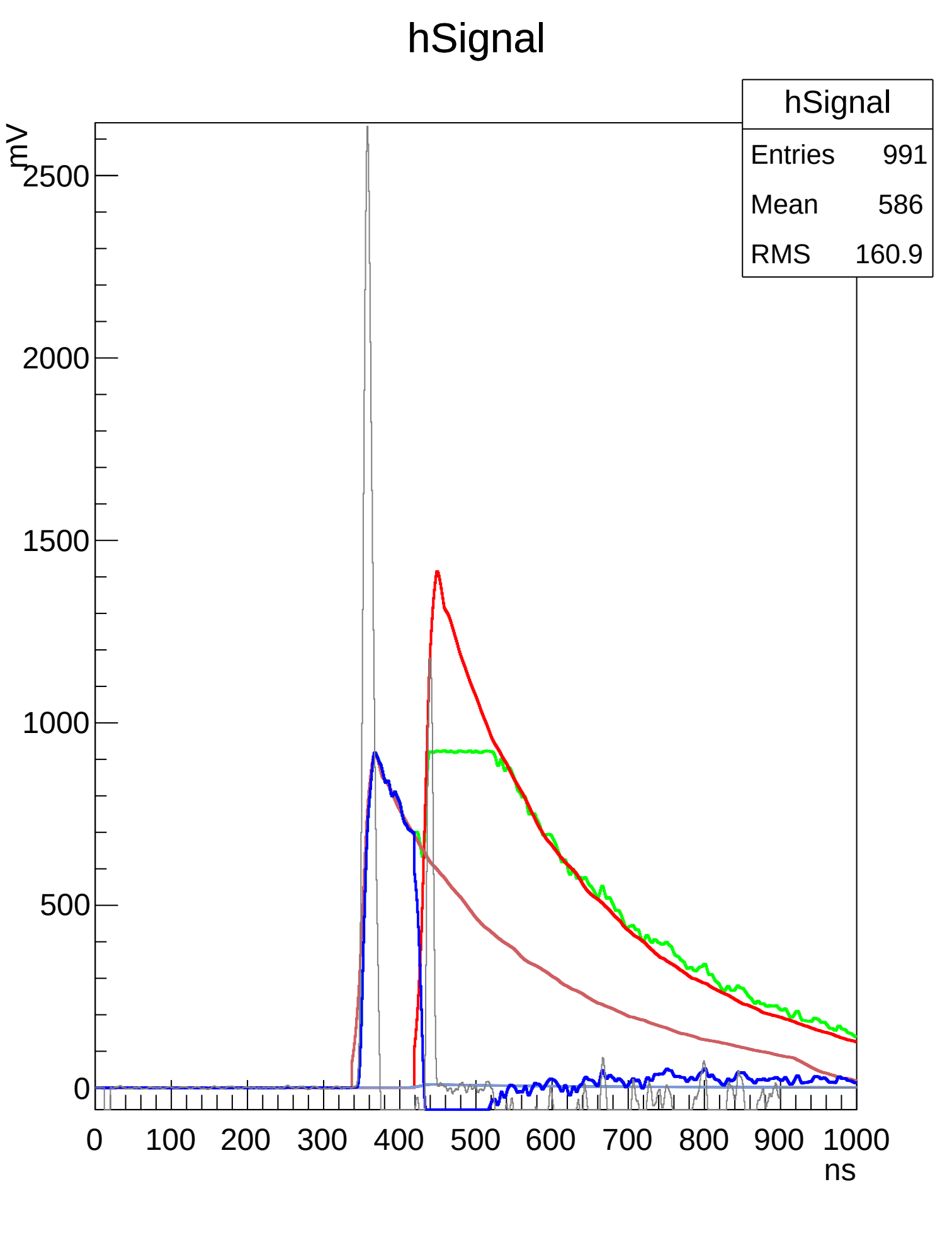

hSignal
hSignal
Entries 991
Mean 594
RMS 157.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

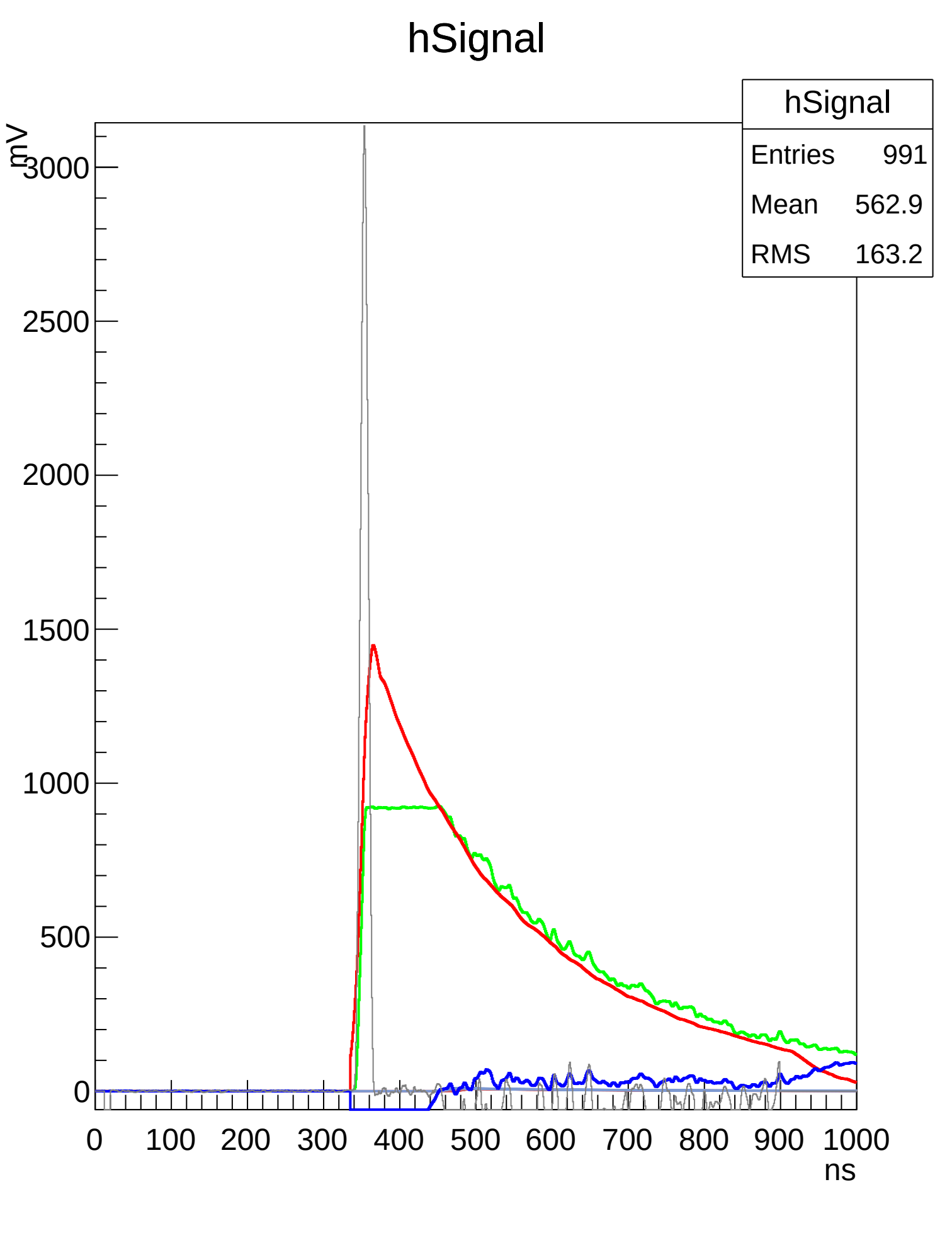

hSignal
hSignal
Entries 991
Mean 603.2
RMS 159.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

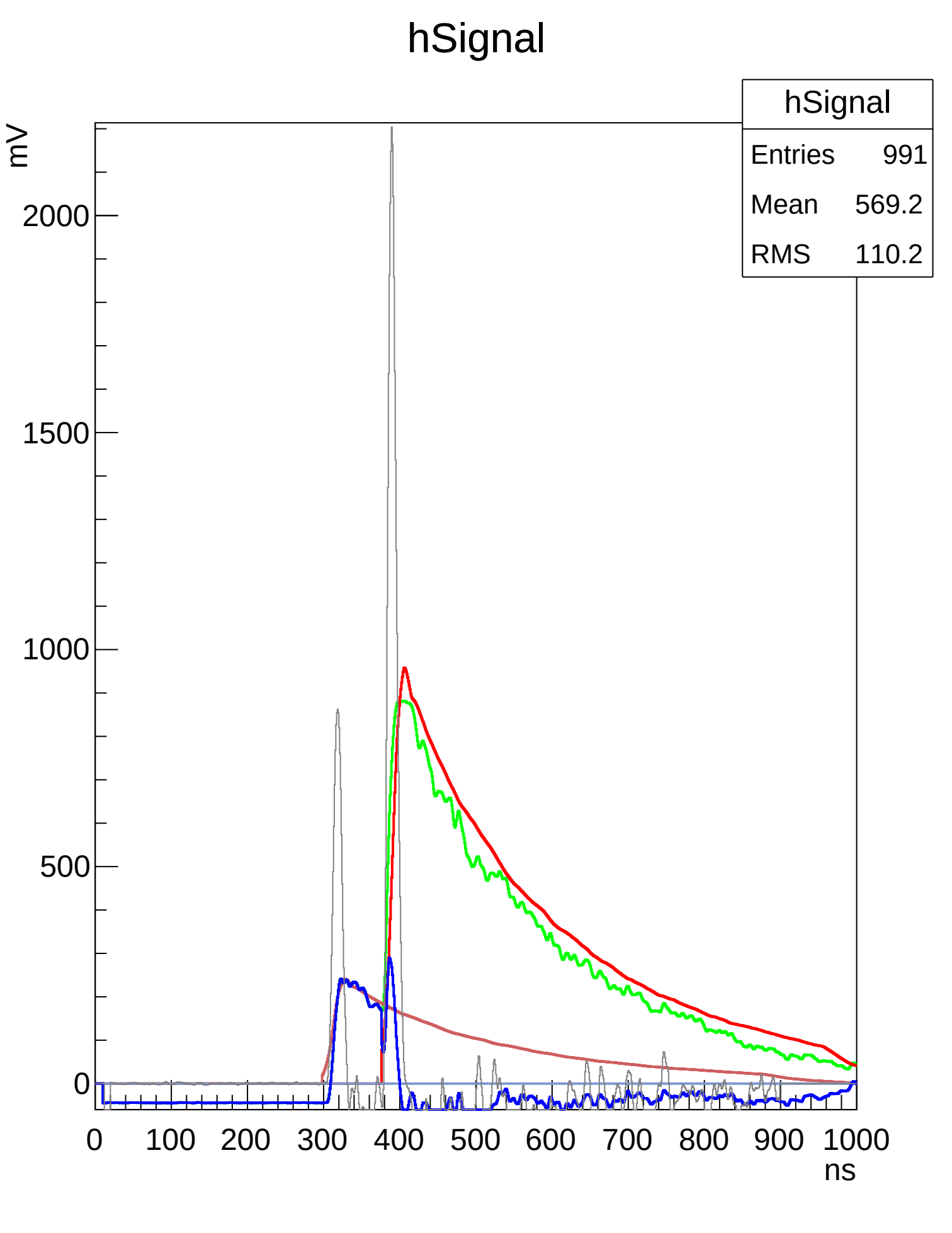

hSignal
hSignal
Entries 991
Mean 619.6
RMS 160.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

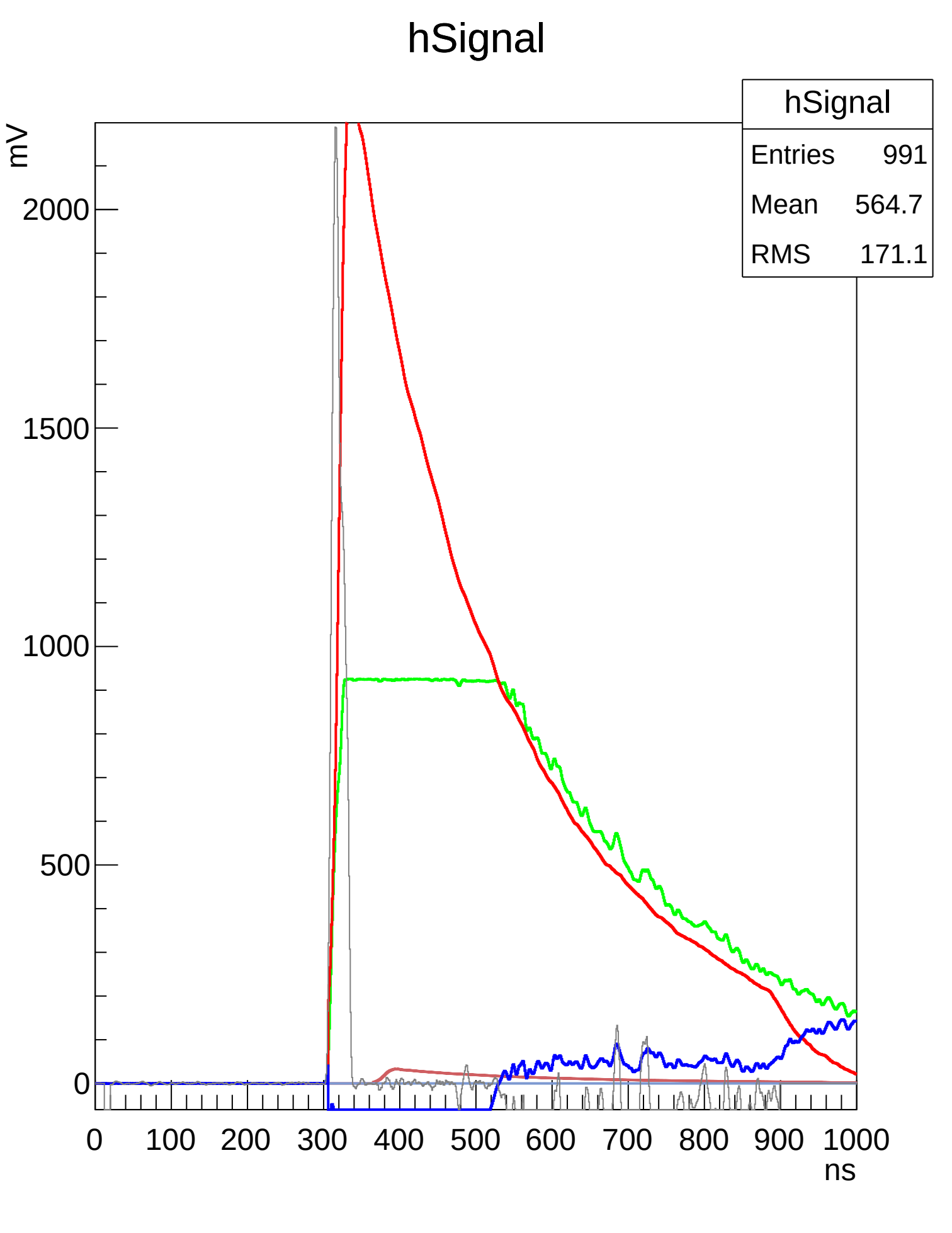

hSignal
hSignal
Entries 991
Mean 525.1
RMS 173.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

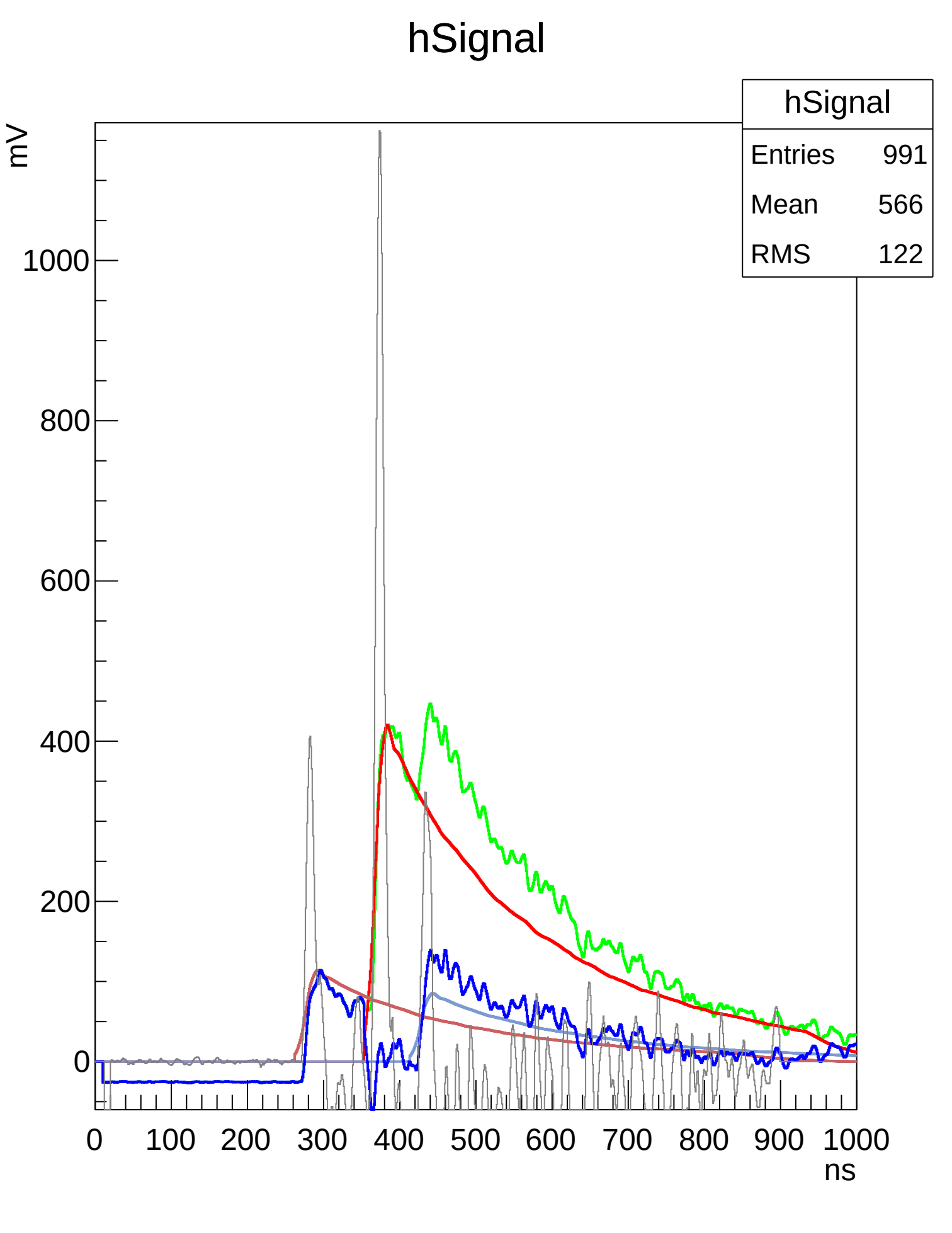

hSignal
hSignal
Entries 991
Mean 597.5
RMS 163.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

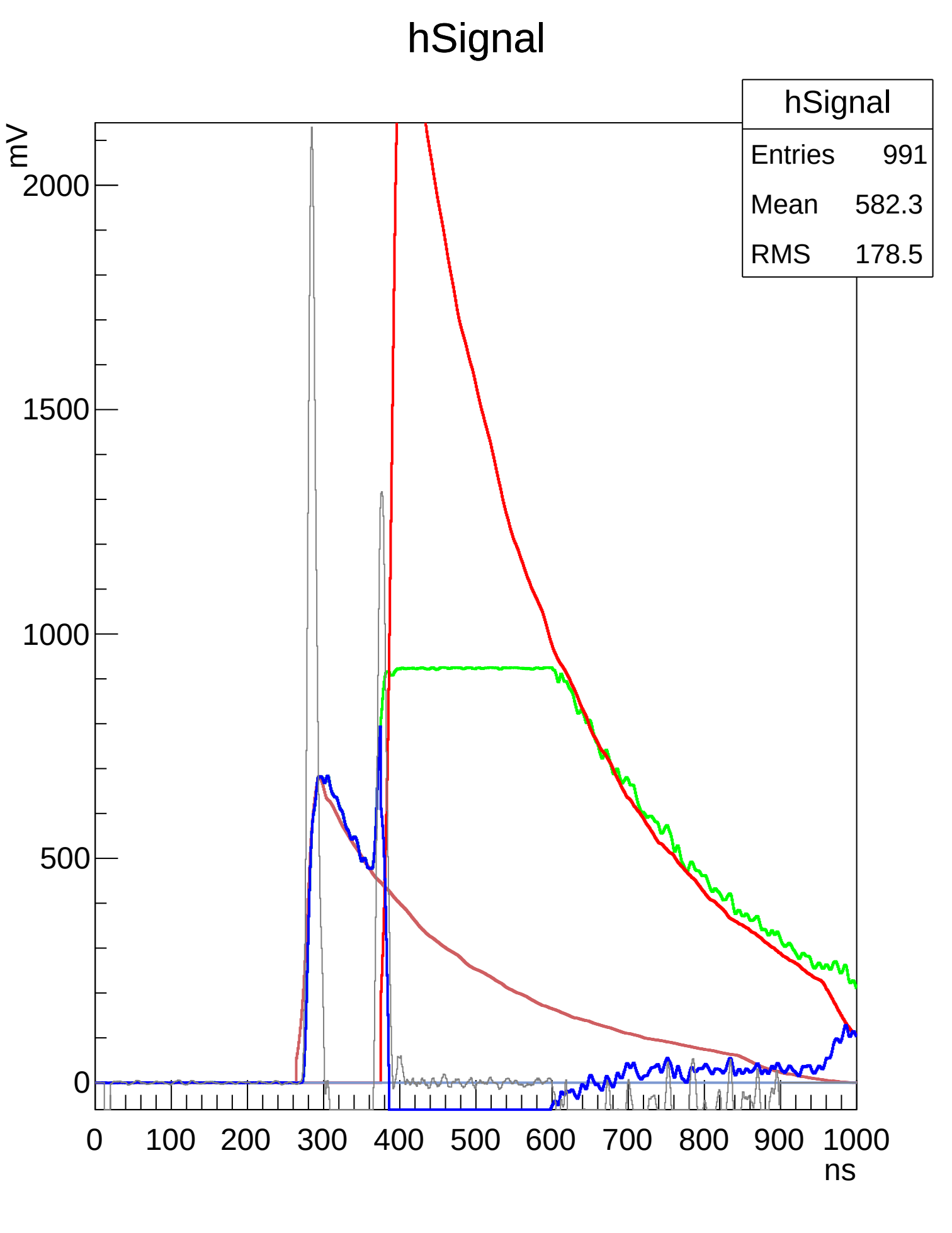

hSignal
hSignal
Entries 991
Mean 586
RMS 160.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

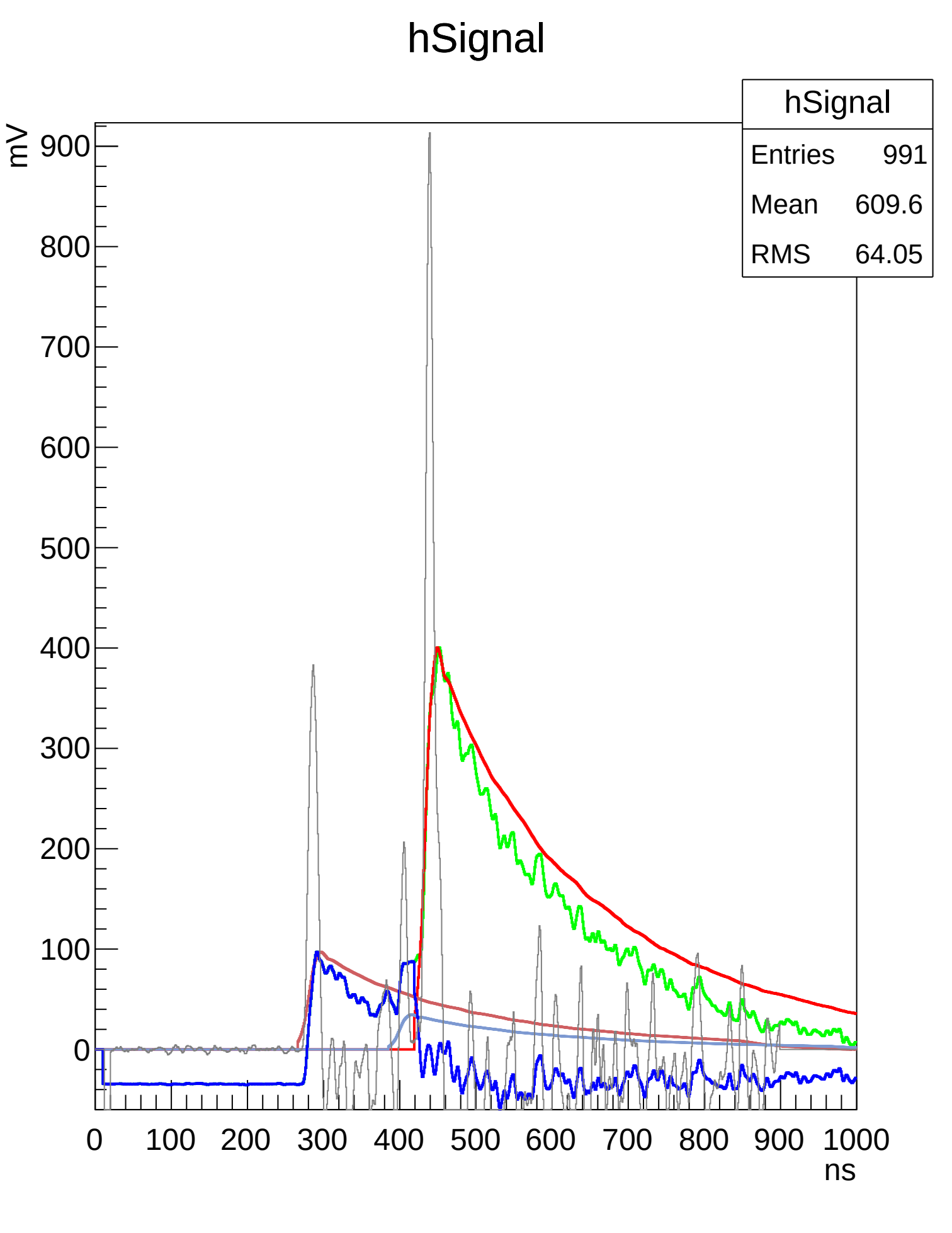

hSignal
hSignal
Entries 991
Mean 562.9
RMS 163.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

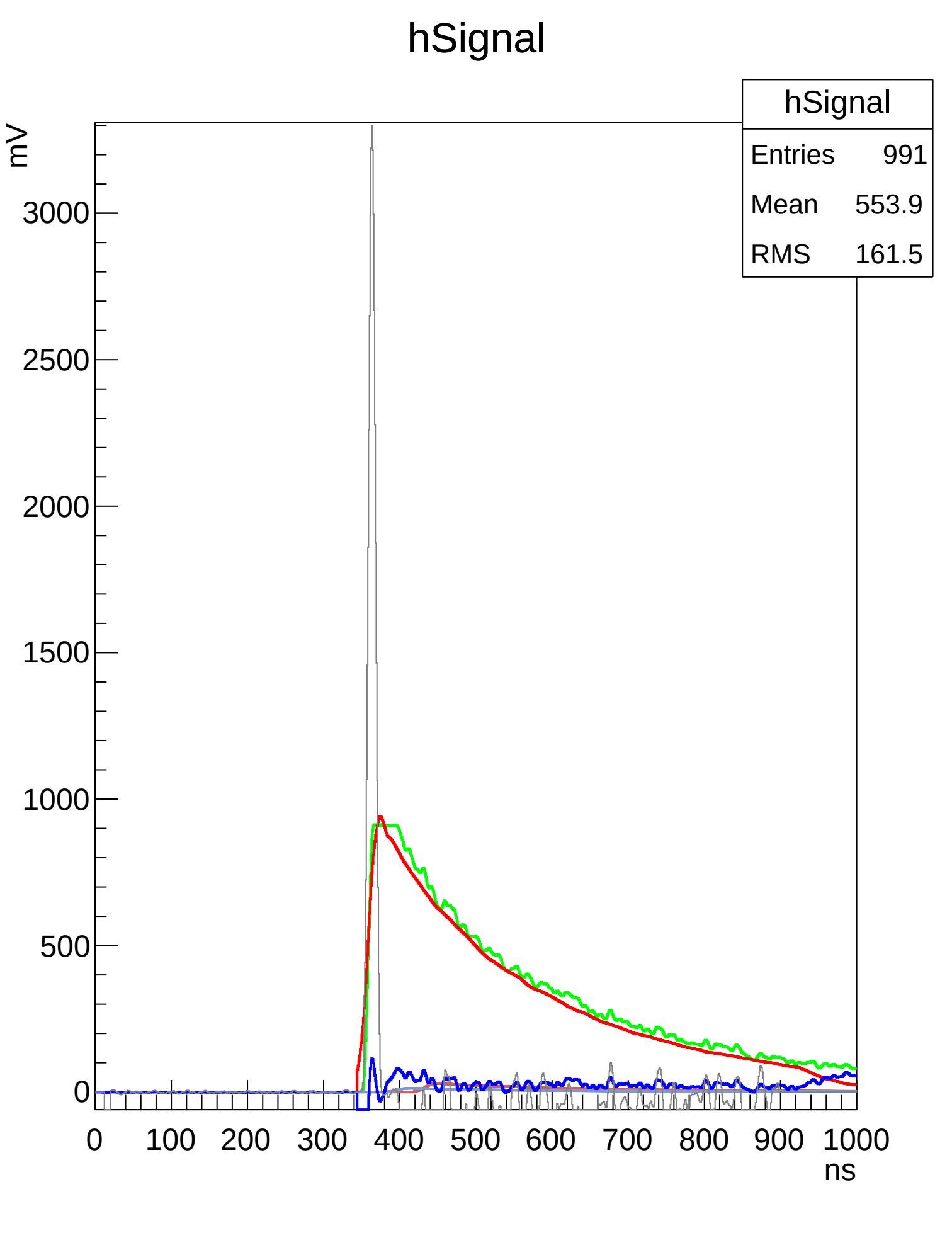

hSignal
hSignal
Entries 991
Mean 569.2
RMS 110.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

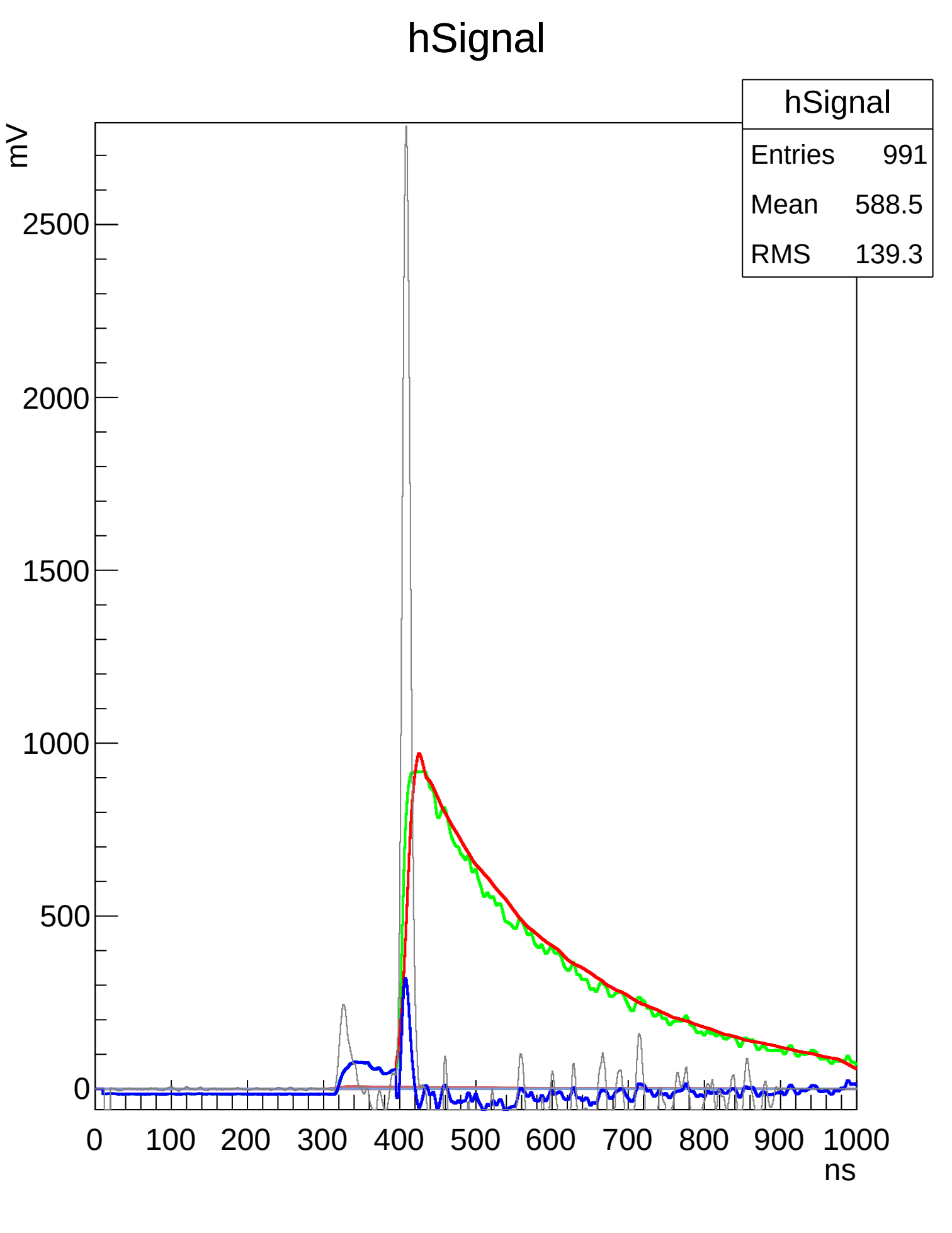

hSignal
hSignal
Entries 991
Mean 564.7
RMS 171.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

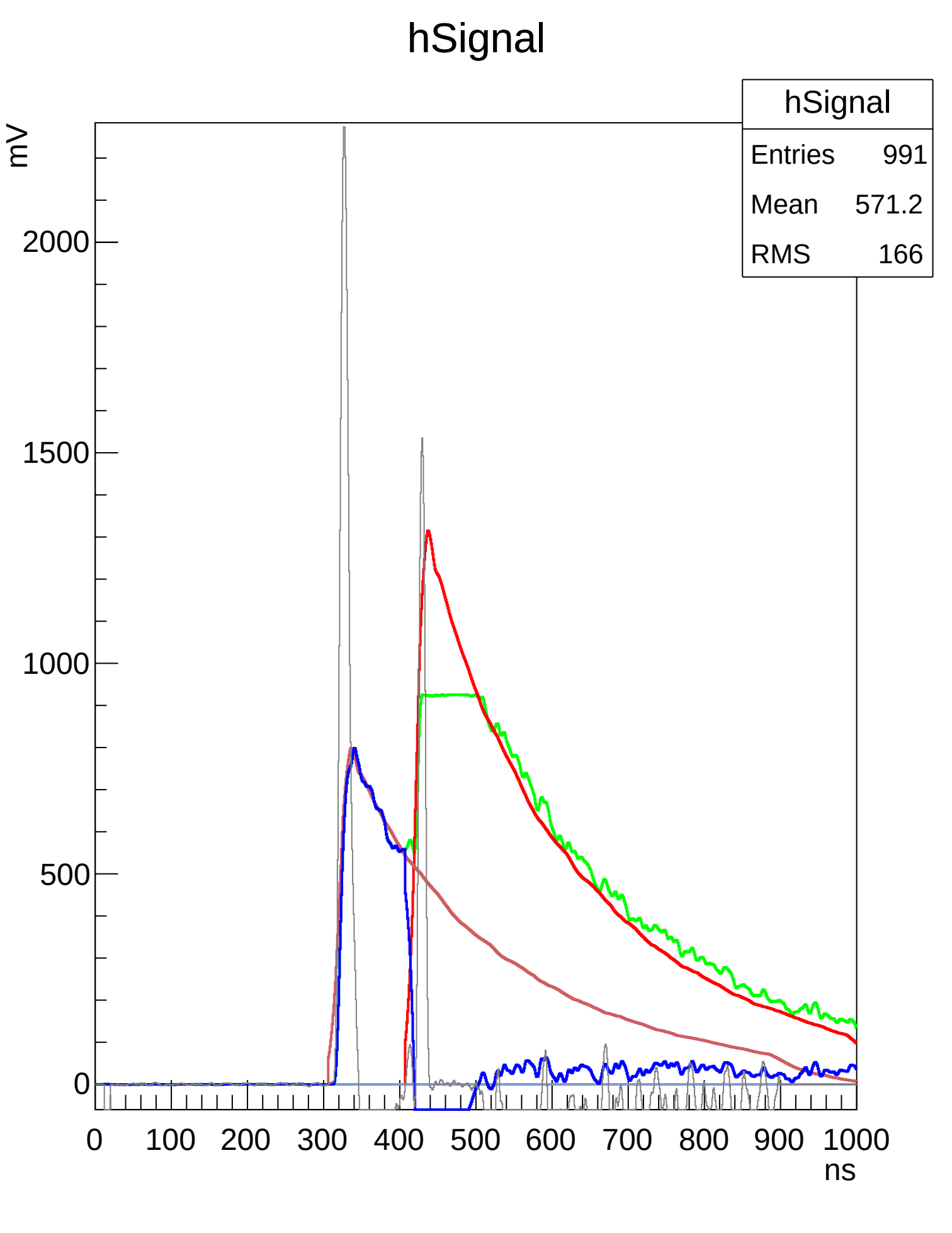

hSignal
hSignal
Entries 991
Mean 566
RMS 122
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

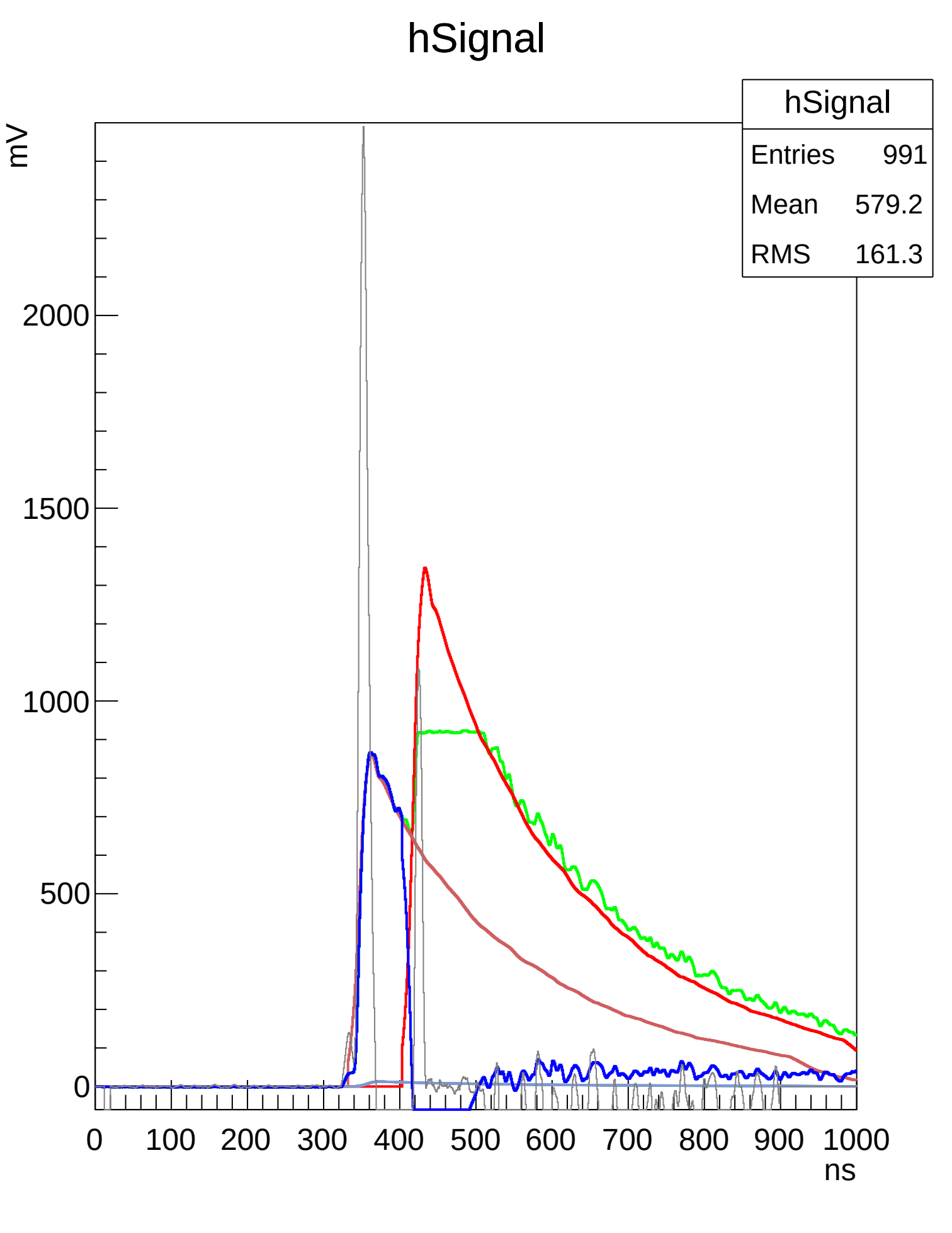

hSignal
hSignal
Entries 991
Mean 582.3
RMS 178.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

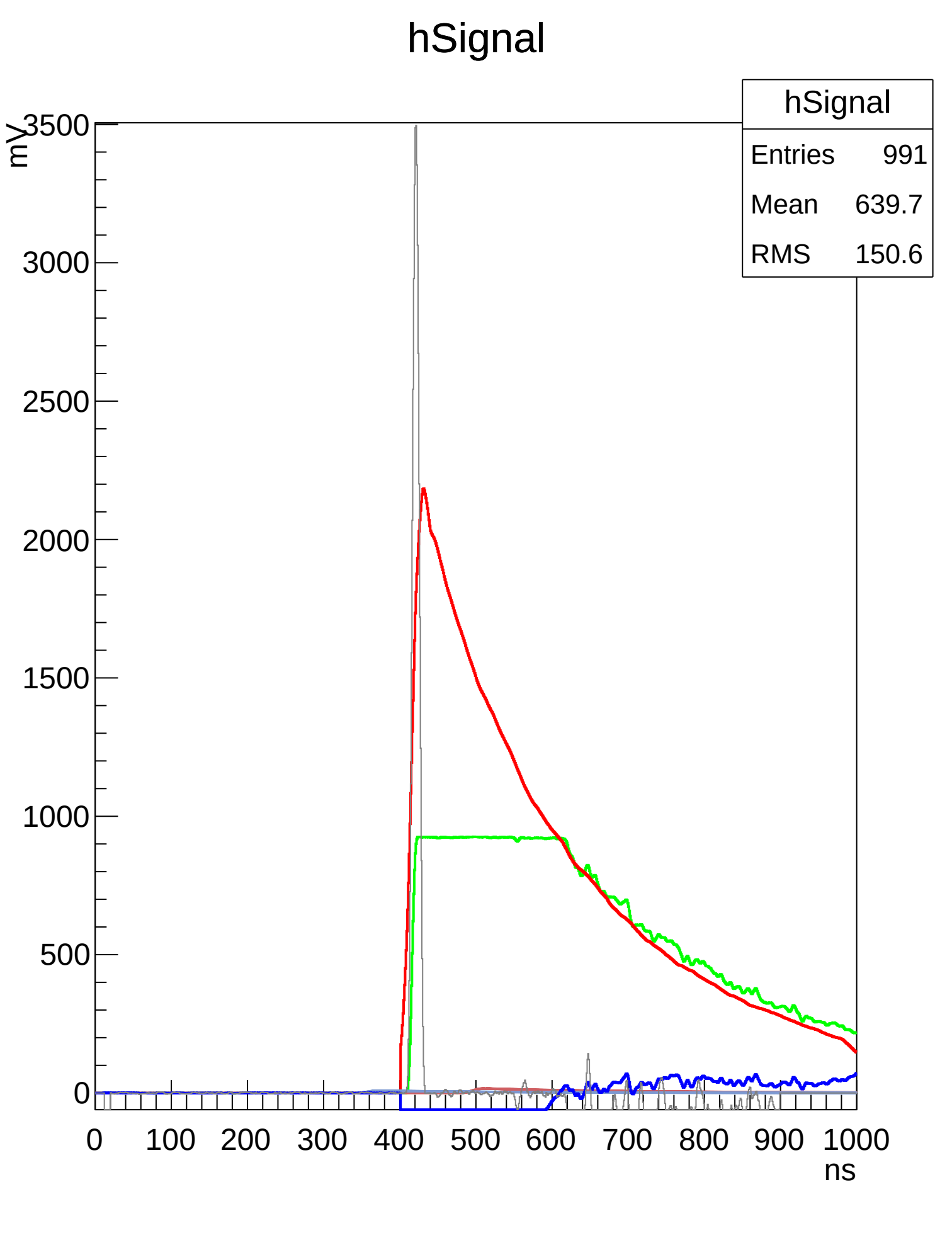

hSignal
hSignal
Entries 991
Mean 609.6
RMS 64.05
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

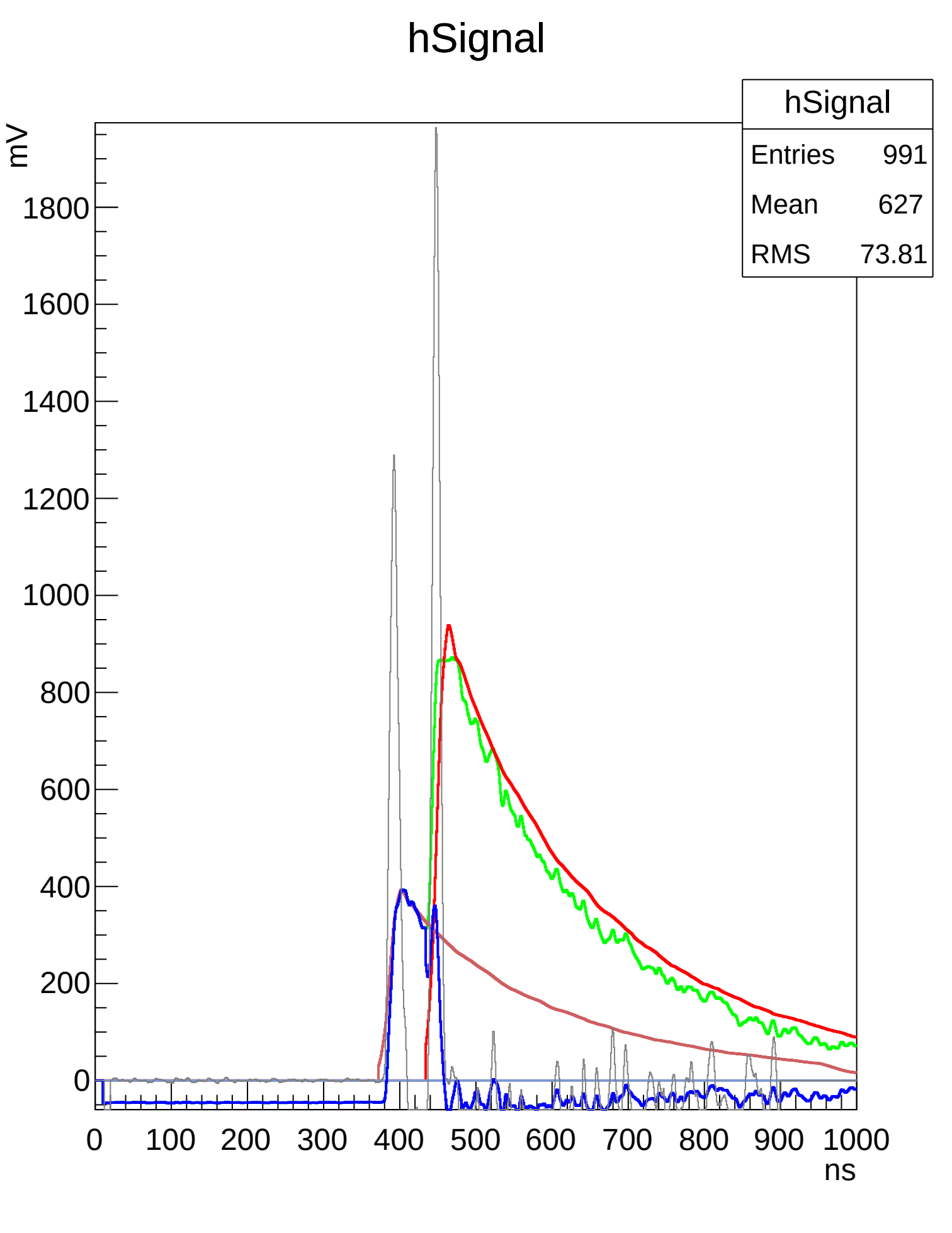

hSignal
hSignal
Entries 991
Mean 553.9
RMS 161.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

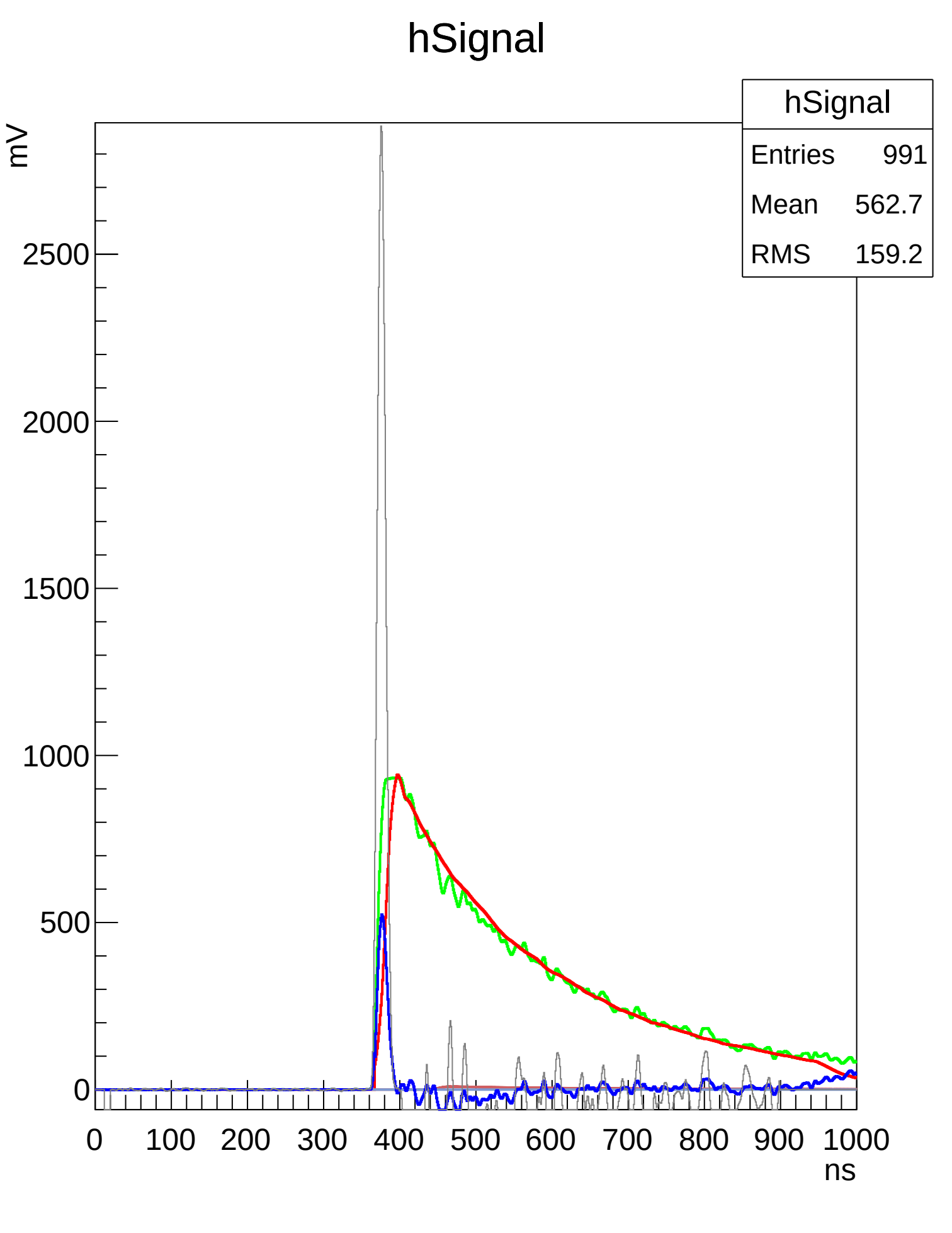

hSignal
hSignal
Entries 991
Mean 588.5
RMS 139.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

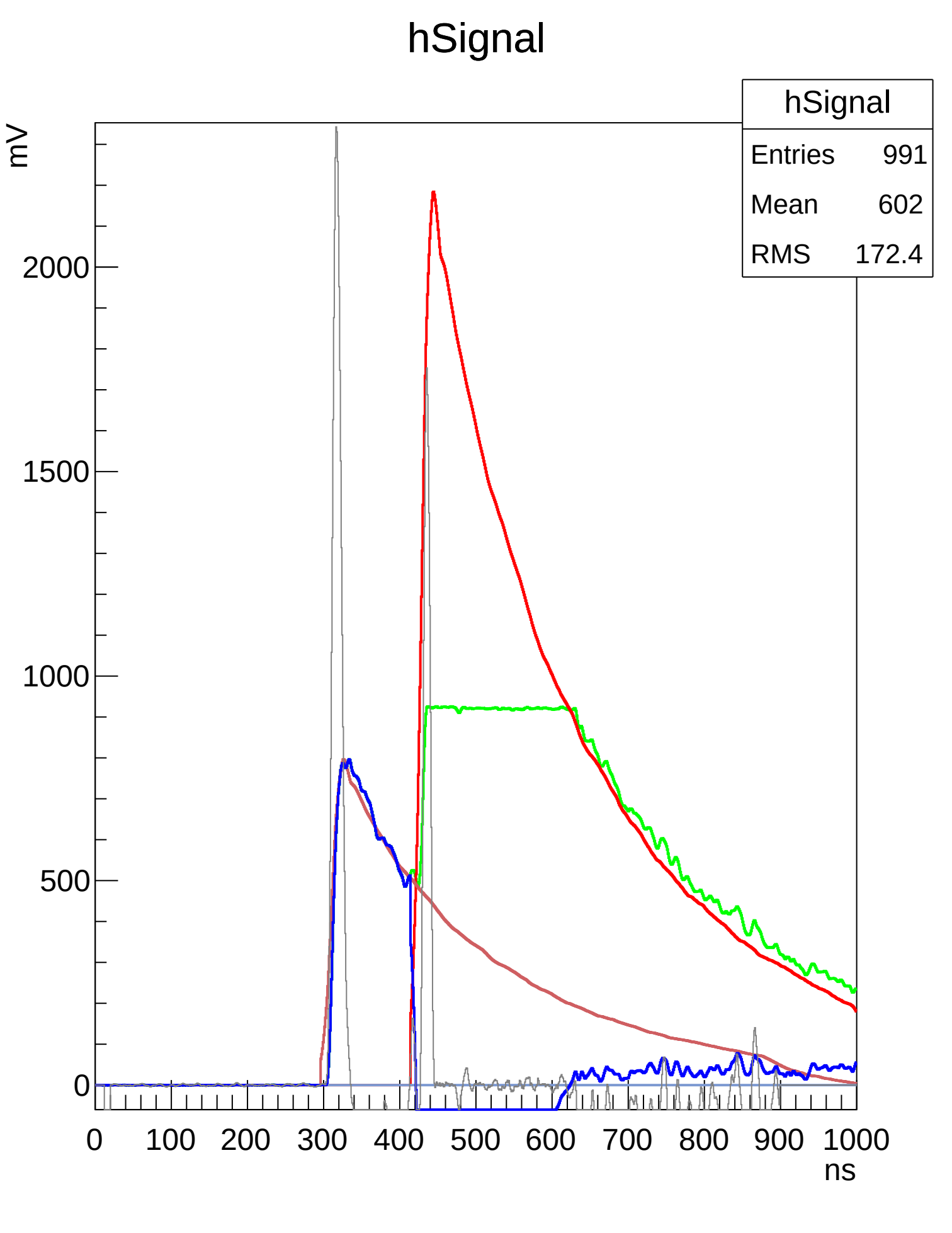

hSignal
hSignal
Entries 991
Mean 571.2
RMS 166
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

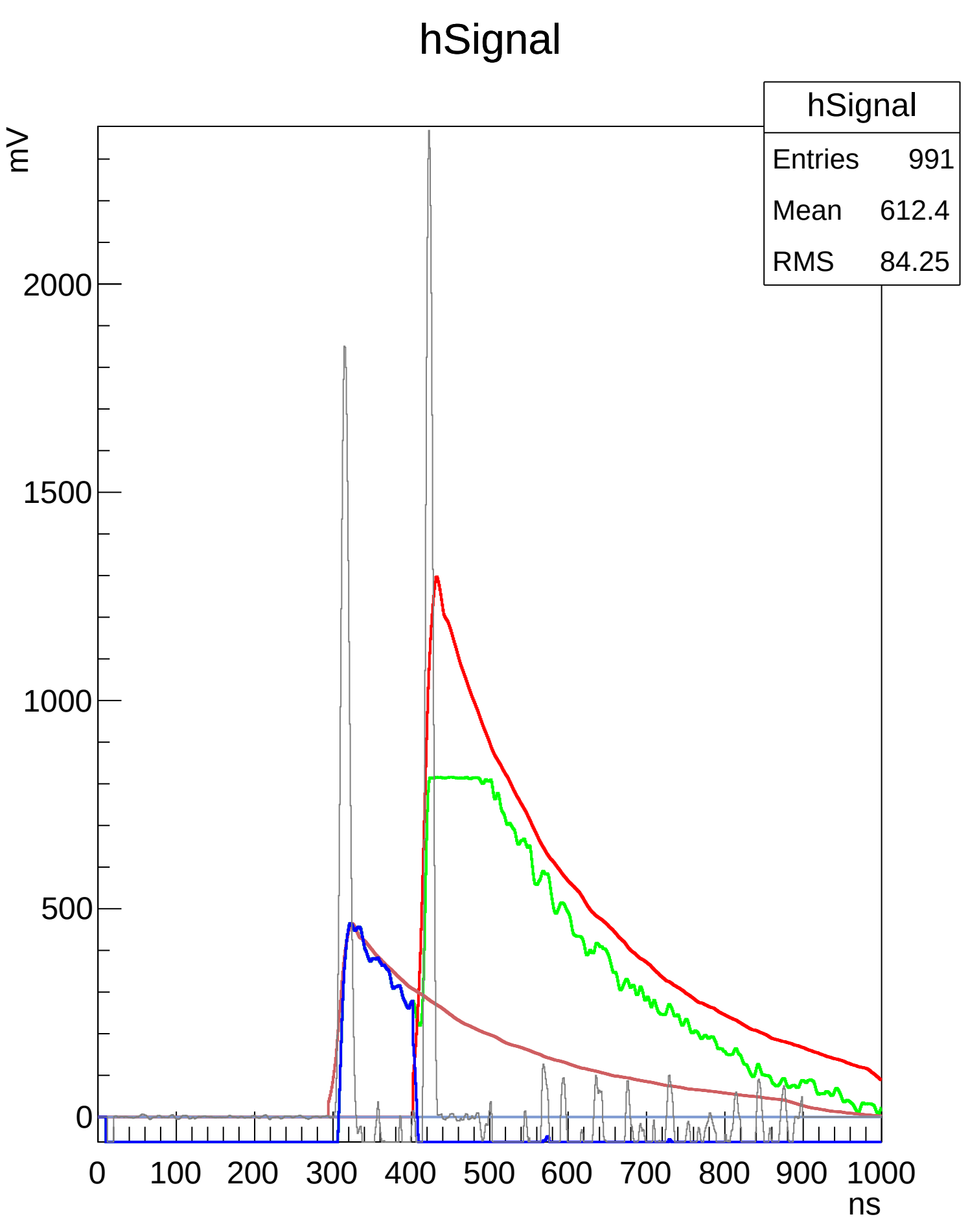

hSignal
hSignal
Entries 991
Mean 579.2
RMS 161.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

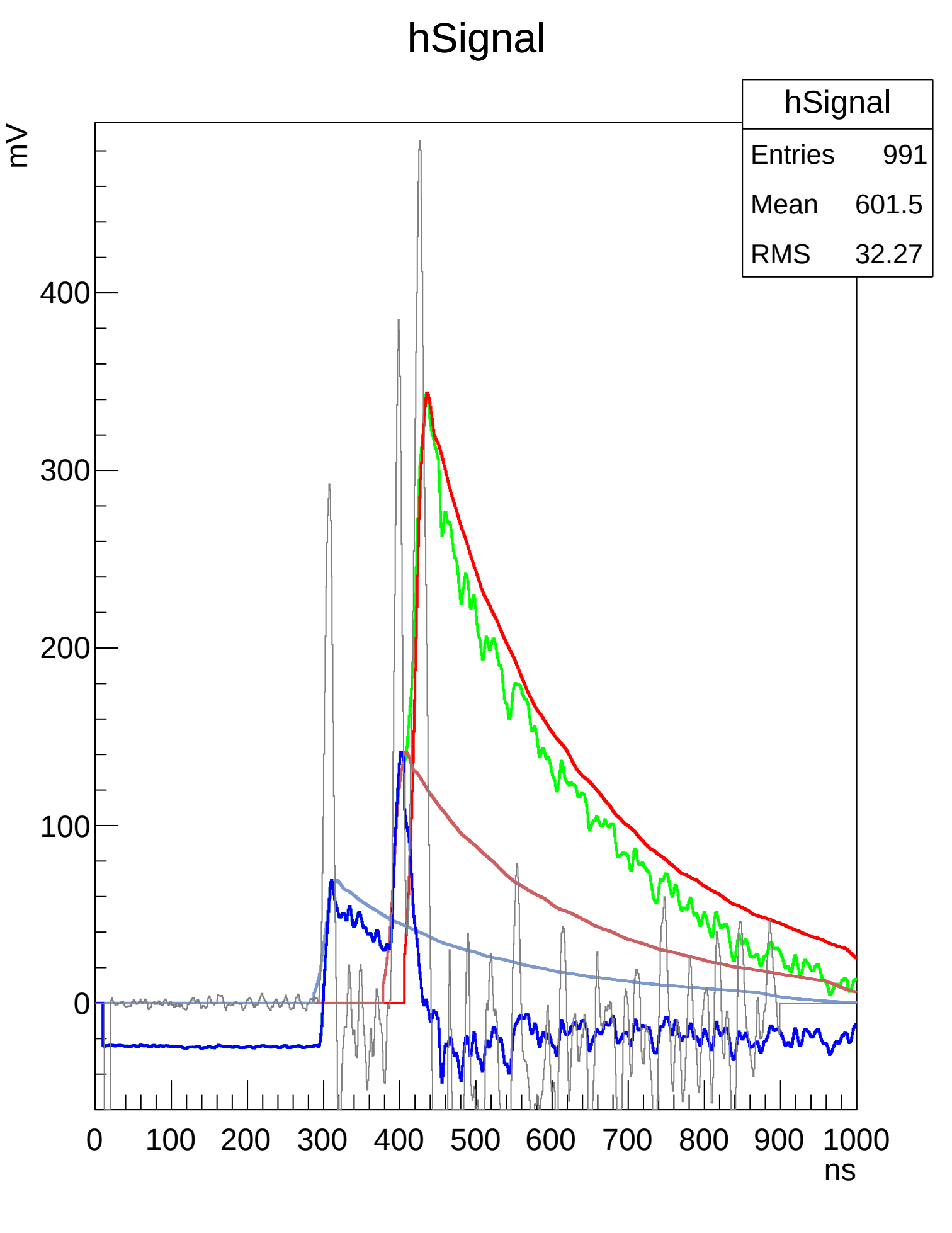

hSignal
hSignal
Entries 991
Mean 639.7
RMS 150.6
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

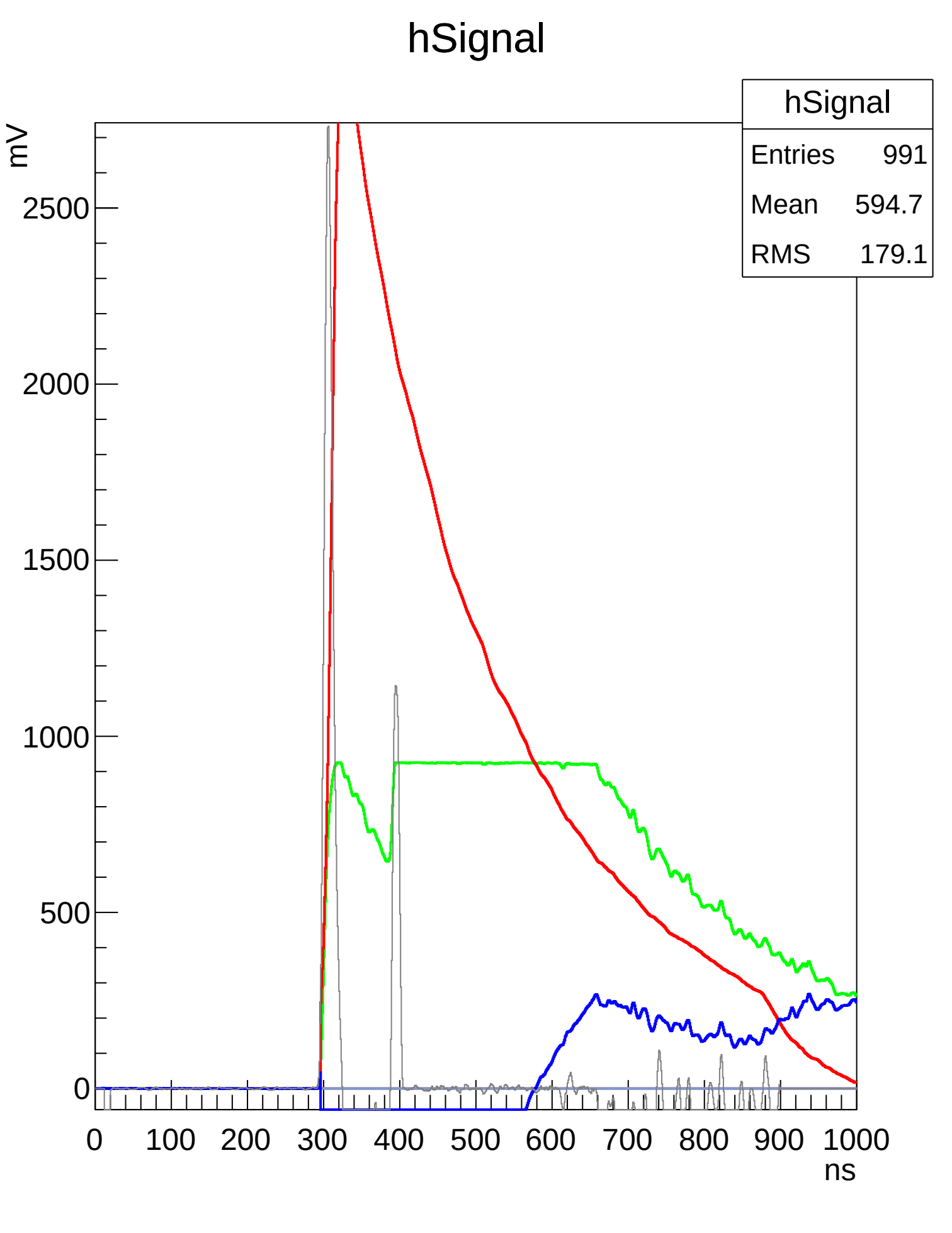

hSignal
hSignal
Entries 991
Mean 627
RMS 73.81
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

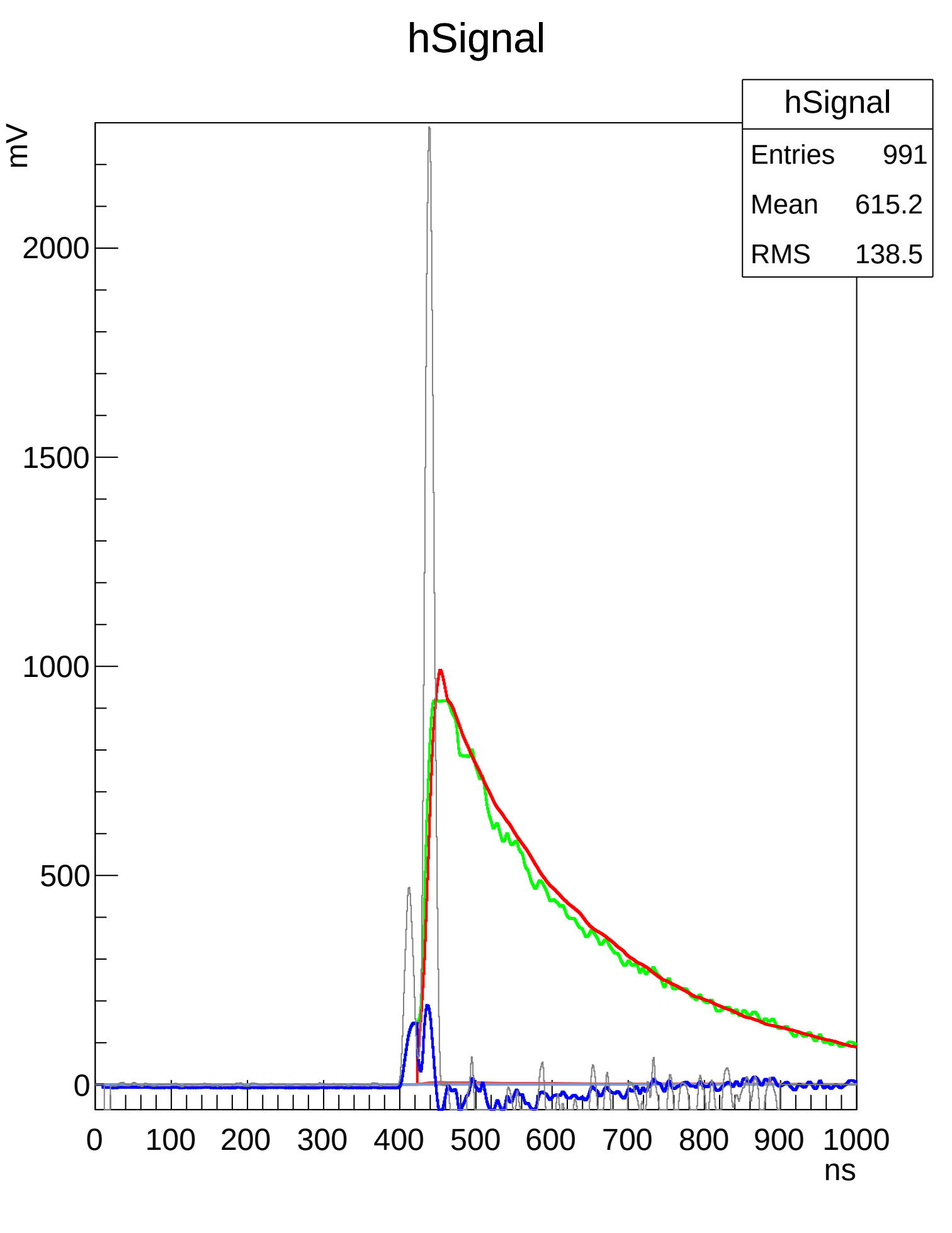

hSignal
hSignal
Entries 991
Mean 562.7
RMS 159.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

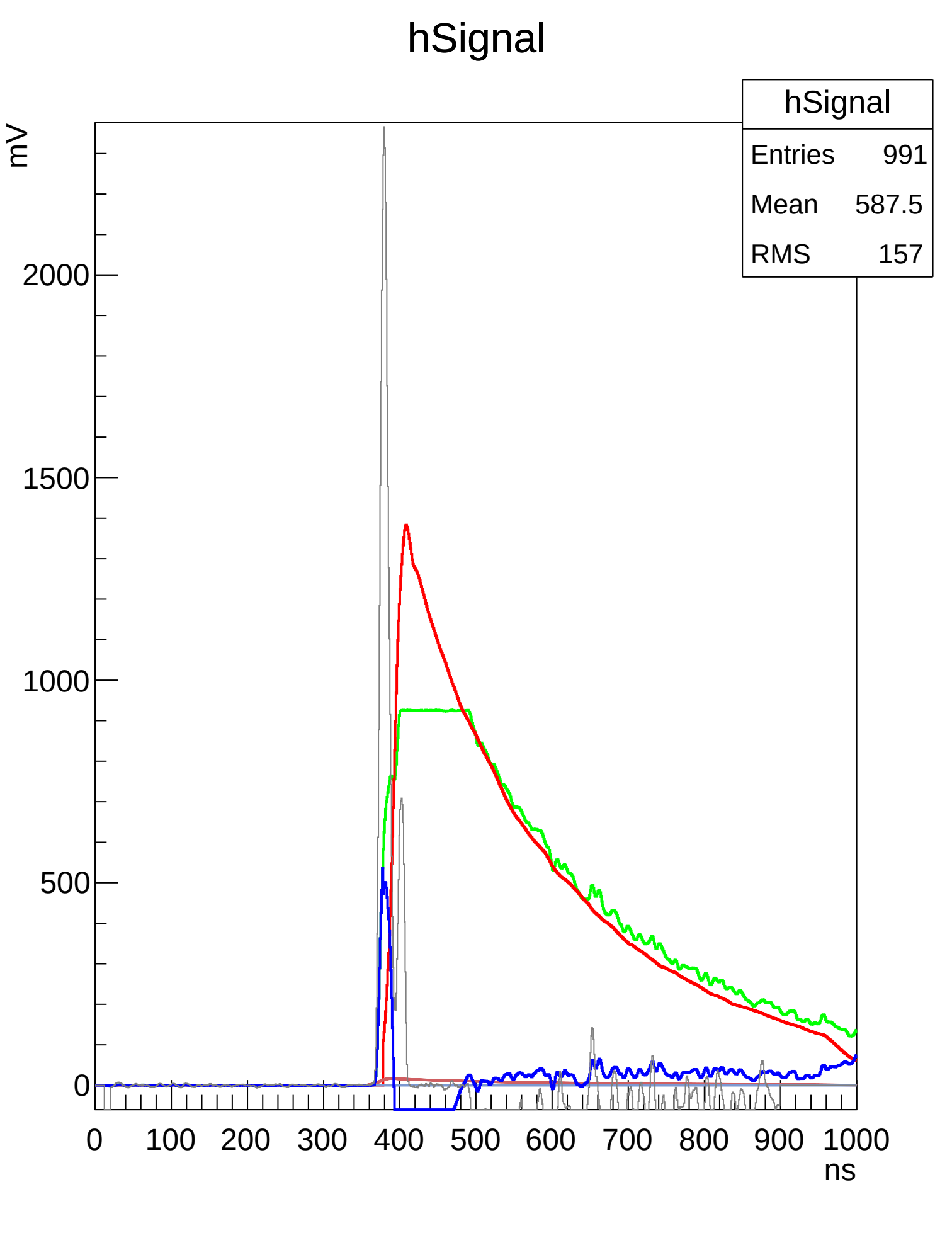

hSignal
hSignal
Entries 991
Mean 602
RMS 172.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

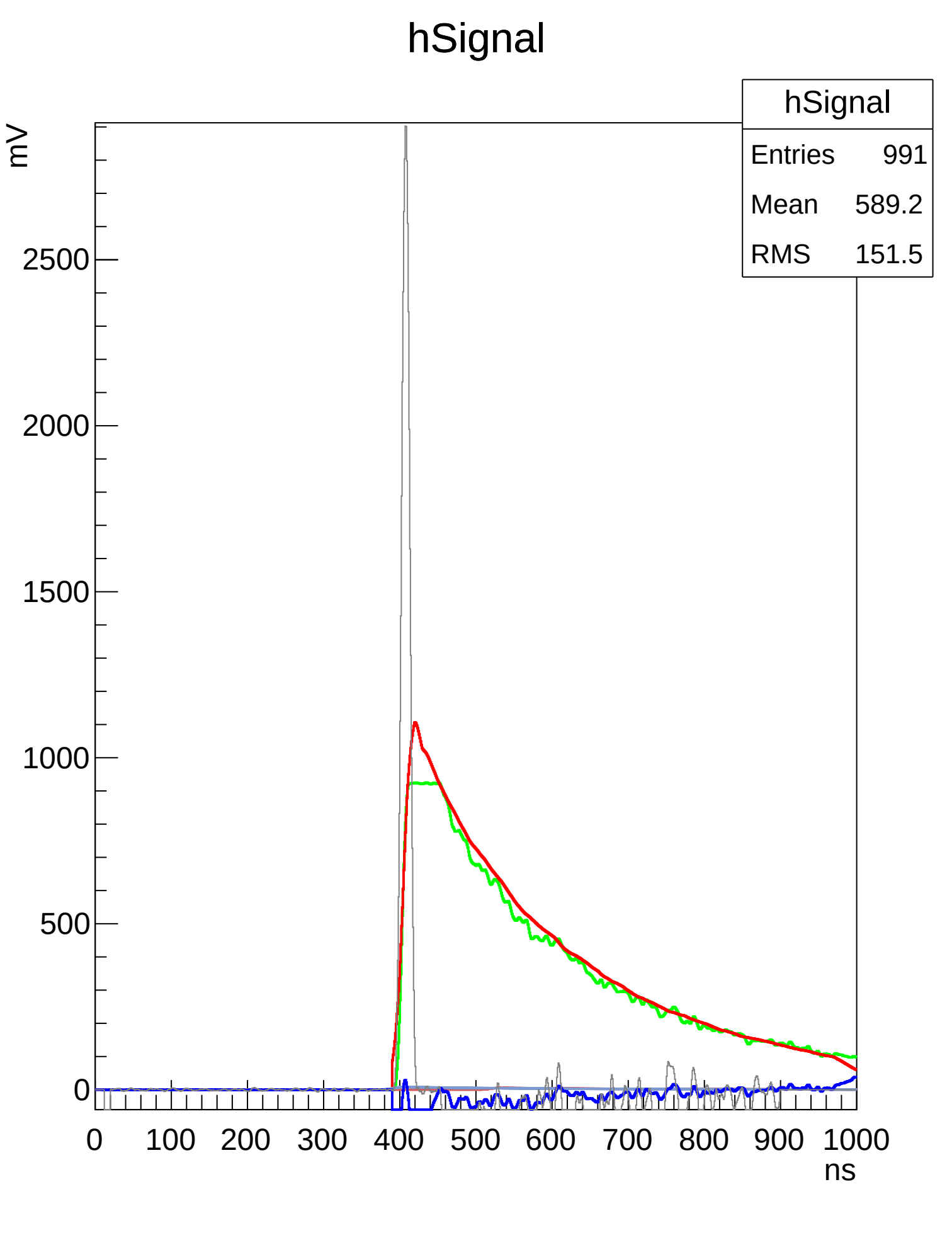

hSignal
hSignal
Entries 991
Mean 612.4
RMS 84.25
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

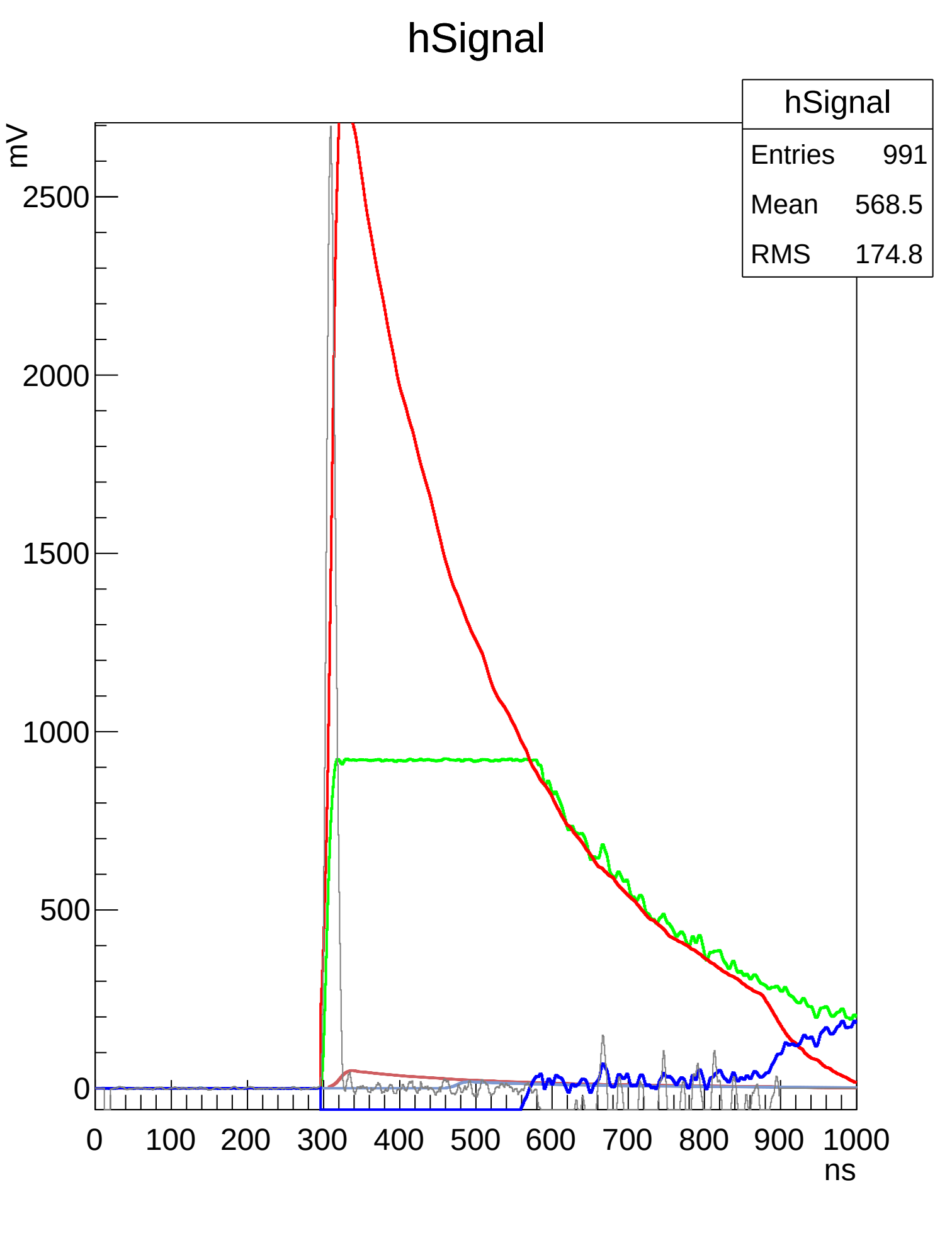

hSignal
hSignal
Entries 991
Mean 601.5
RMS 32.27
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

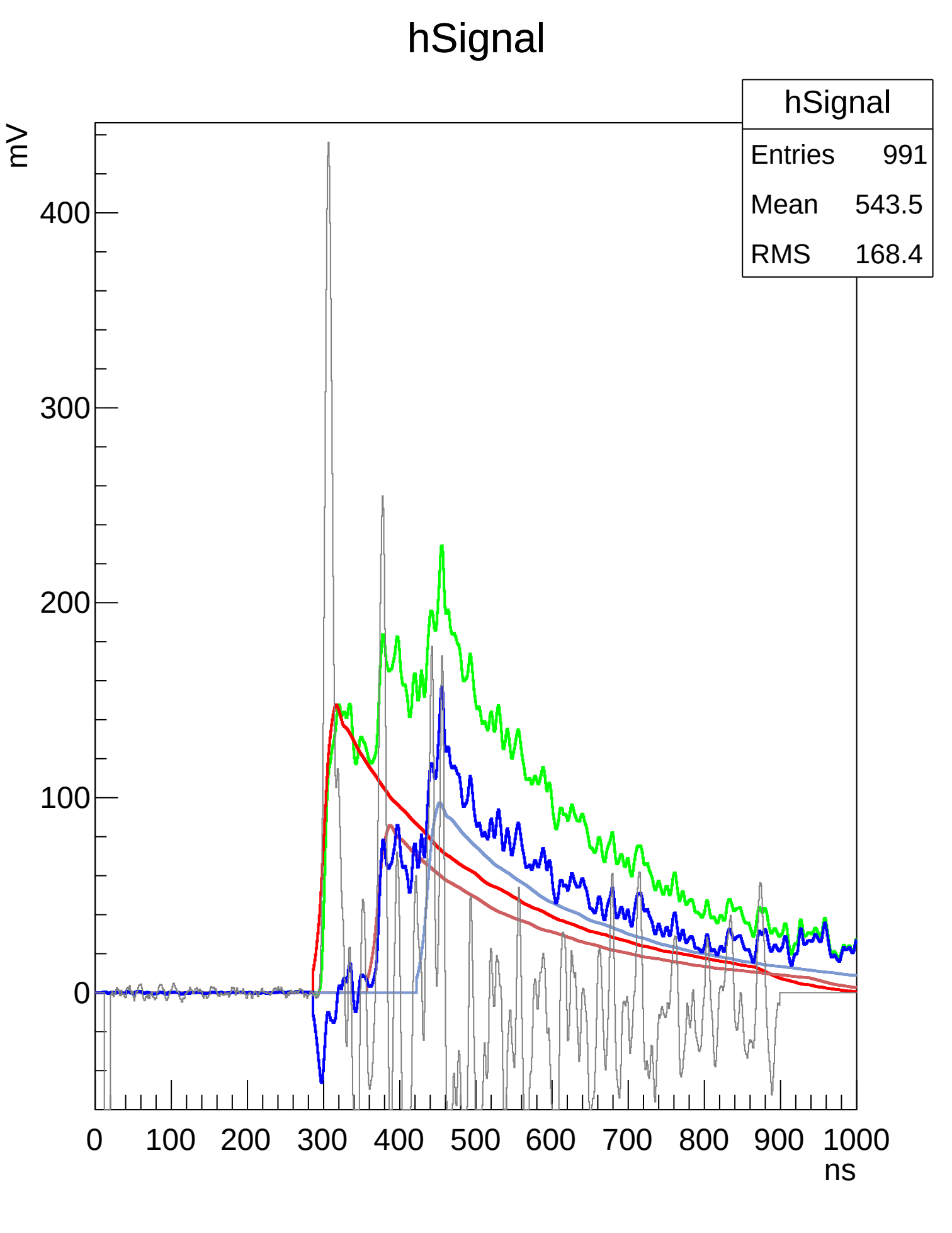

hSignal
hSignal
Entries 991
Mean 594.7
RMS 179.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

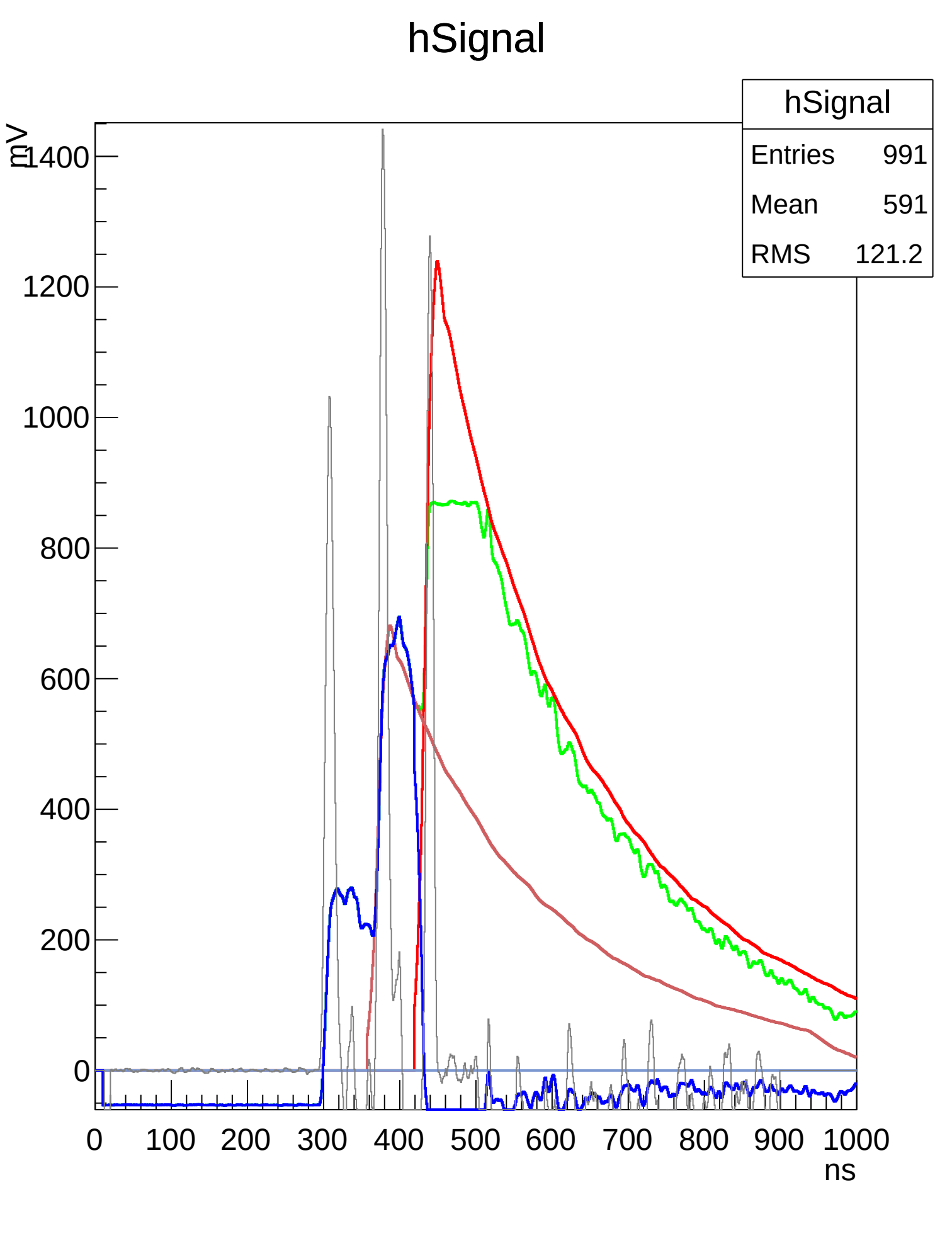

hSignal
hSignal
Entries 991
Mean 615.2
RMS 138.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

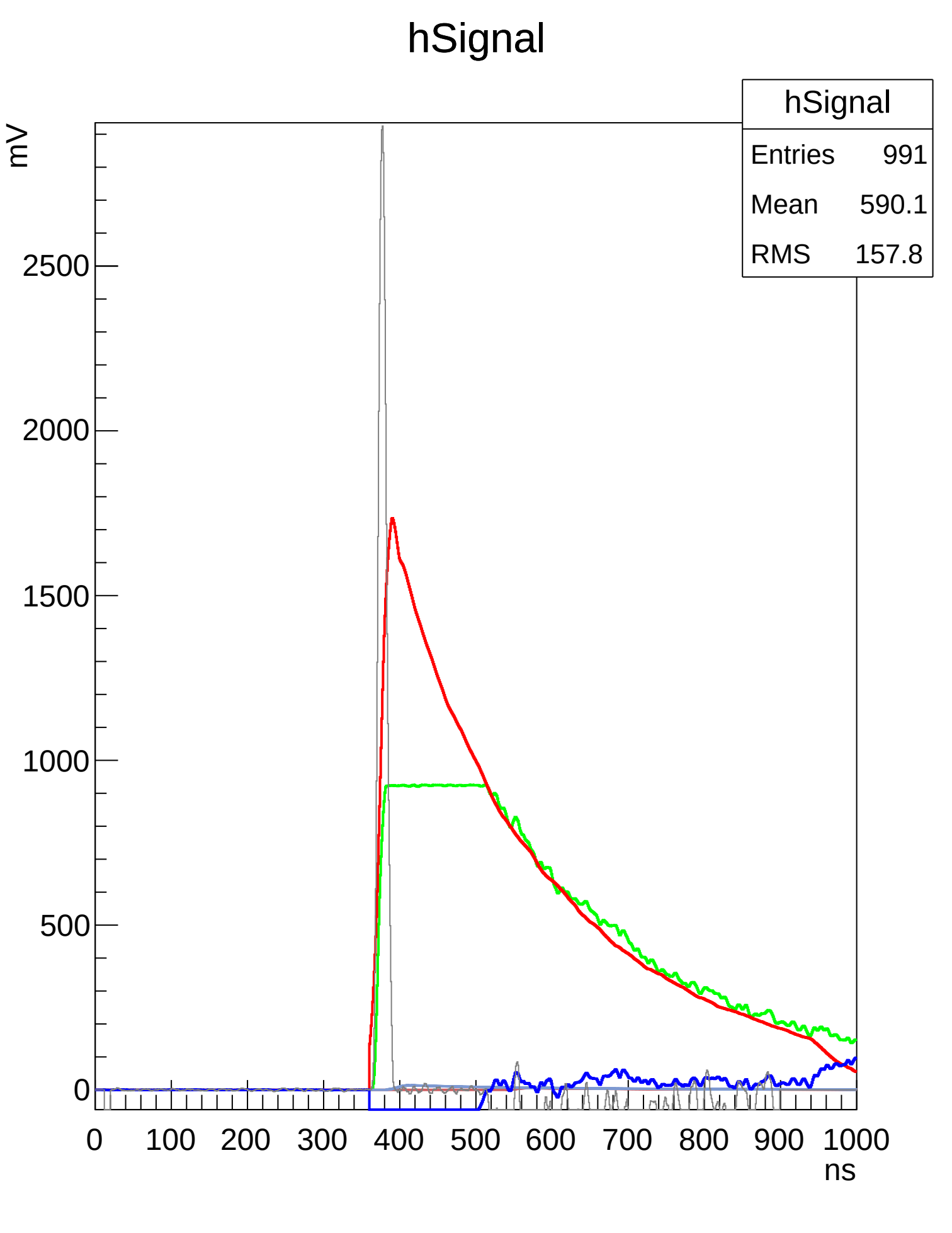

hSignal
hSignal
Entries 991
Mean 587.5
RMS 157
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

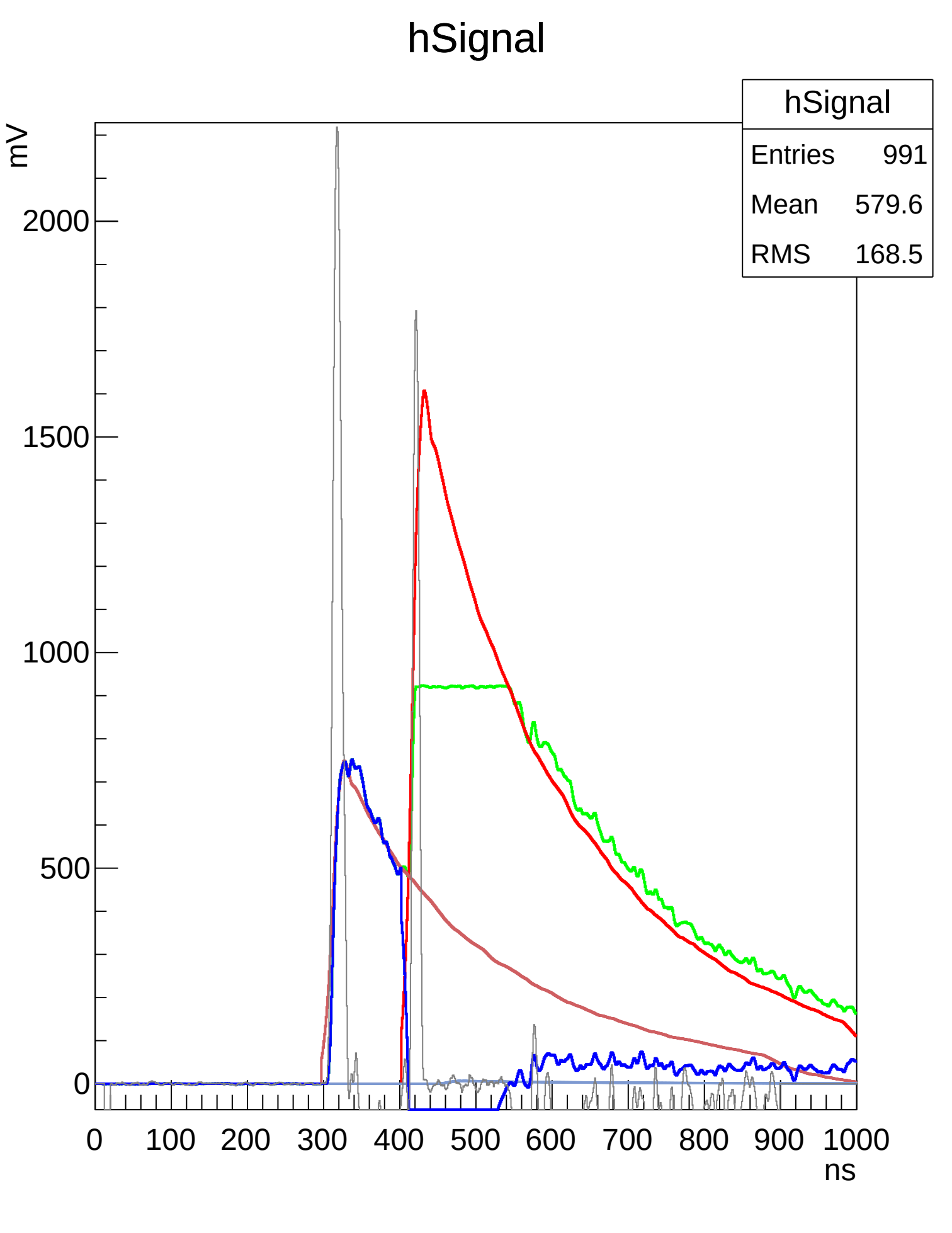

hSignal
hSignal
Entries 991
Mean 589.2
RMS 151.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

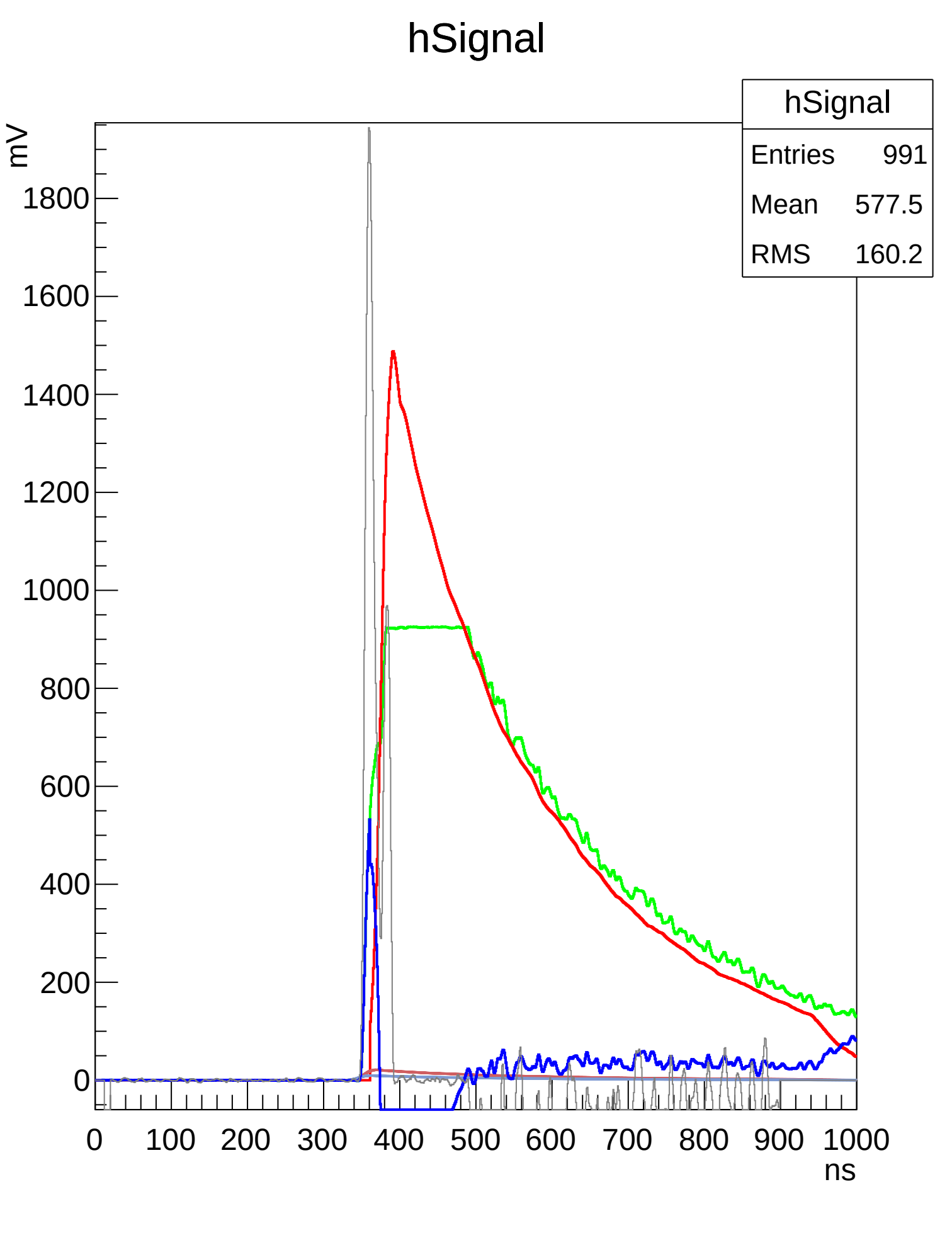

hSignal
hSignal
Entries 991
Mean 568.5
RMS 174.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

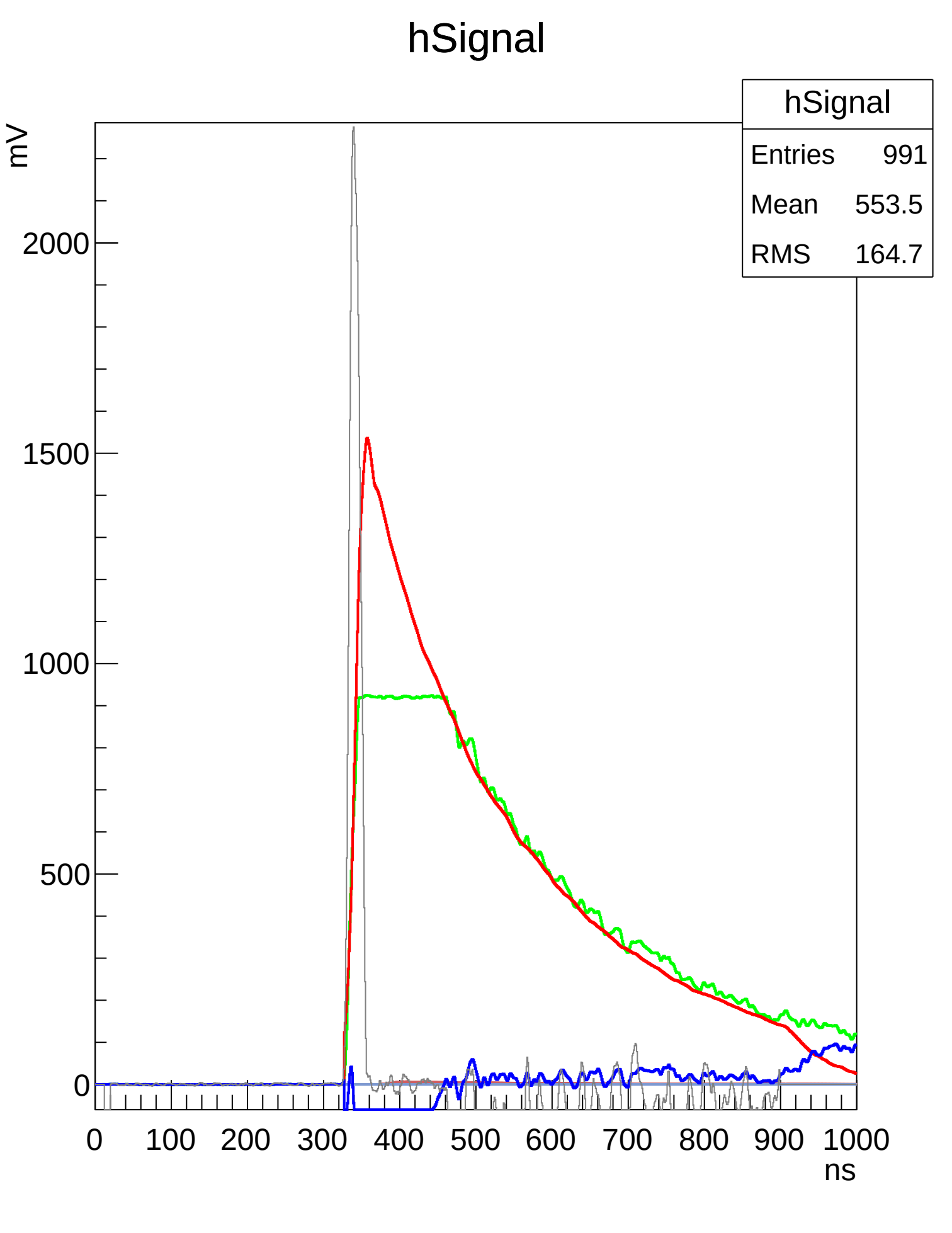

hSignal
hSignal
Entries 991
Mean 543.5
RMS 168.4
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

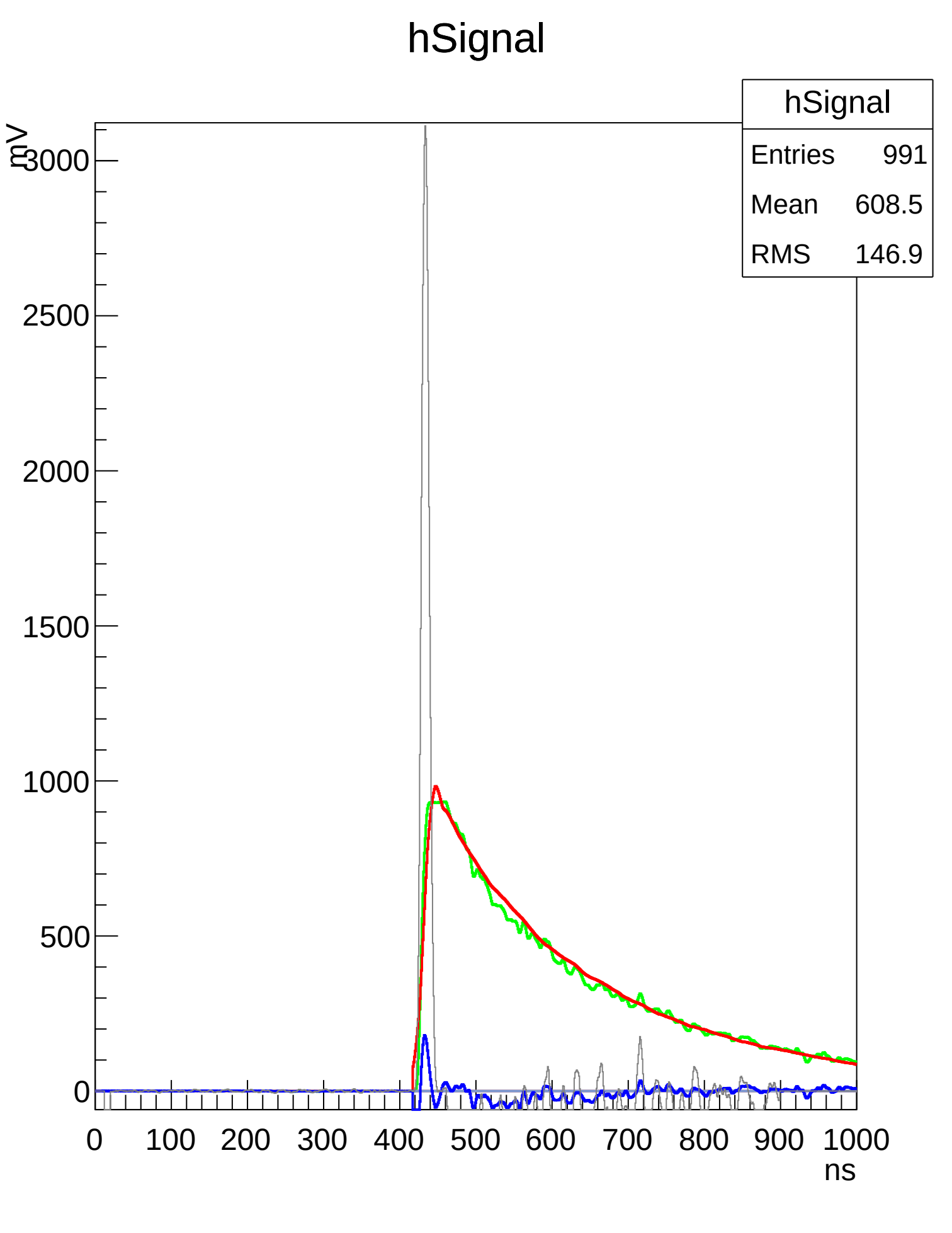

hSignal
hSignal
Entries 991
Mean 591
RMS 121.2
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

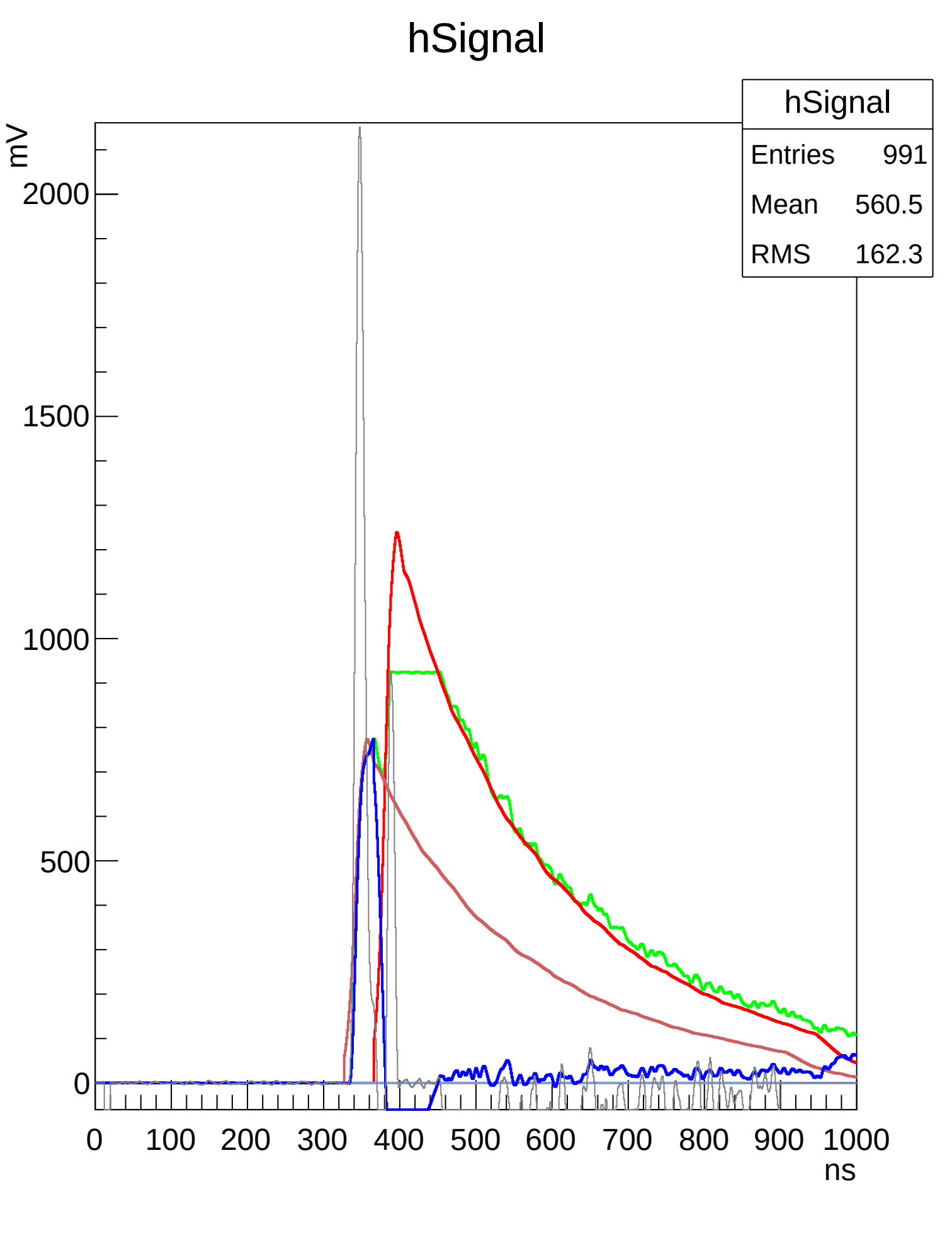

hSignal
hSignal
Entries 991
Mean 590.1
RMS 157.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

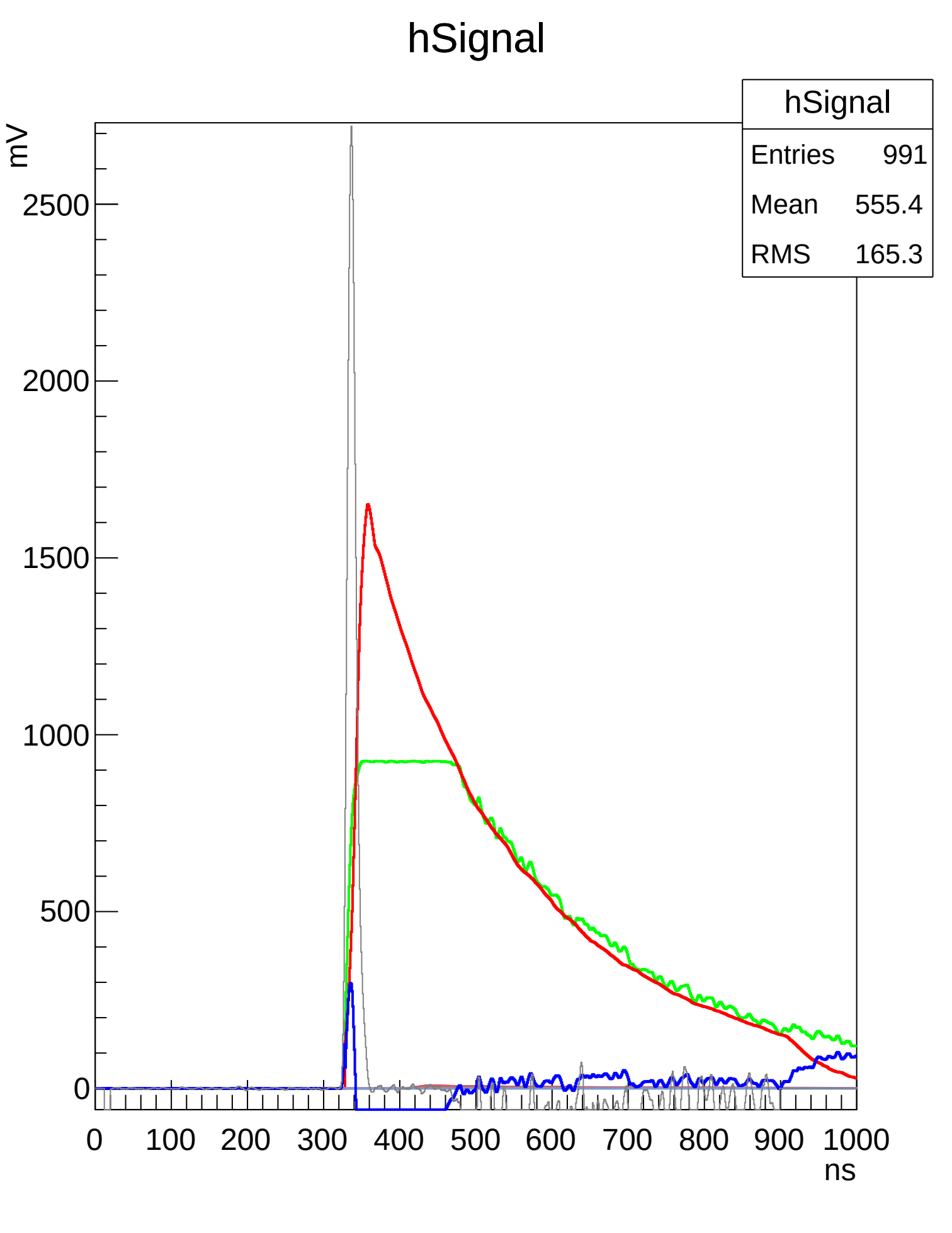

hSignal
hSignal
Entries 991
Mean 579.6
RMS 168.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

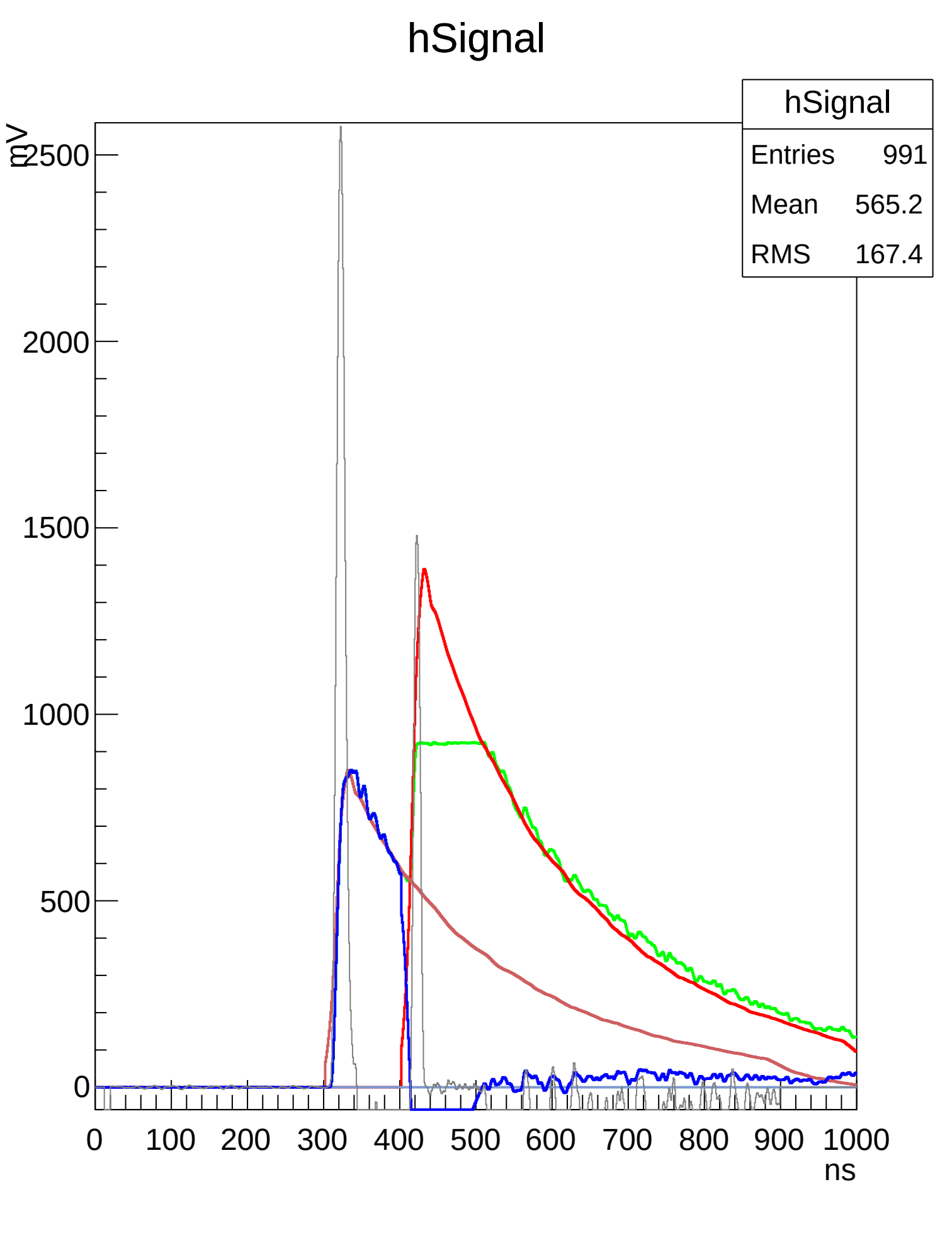

hSignal
hSignal
Entries 991
Mean 577.5
RMS 160.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

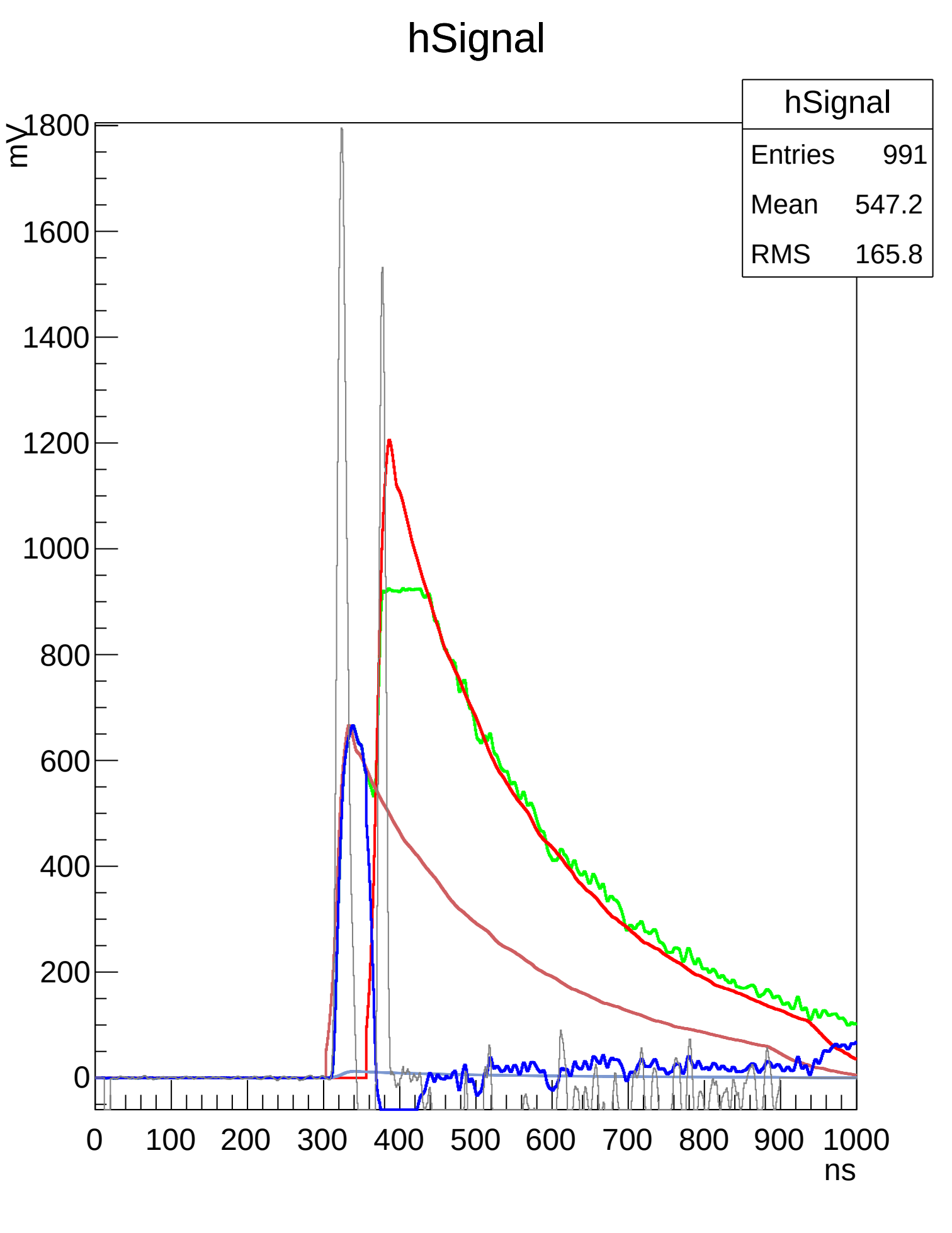

hSignal
hSignal
Entries 991
Mean 553.5
RMS 164.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

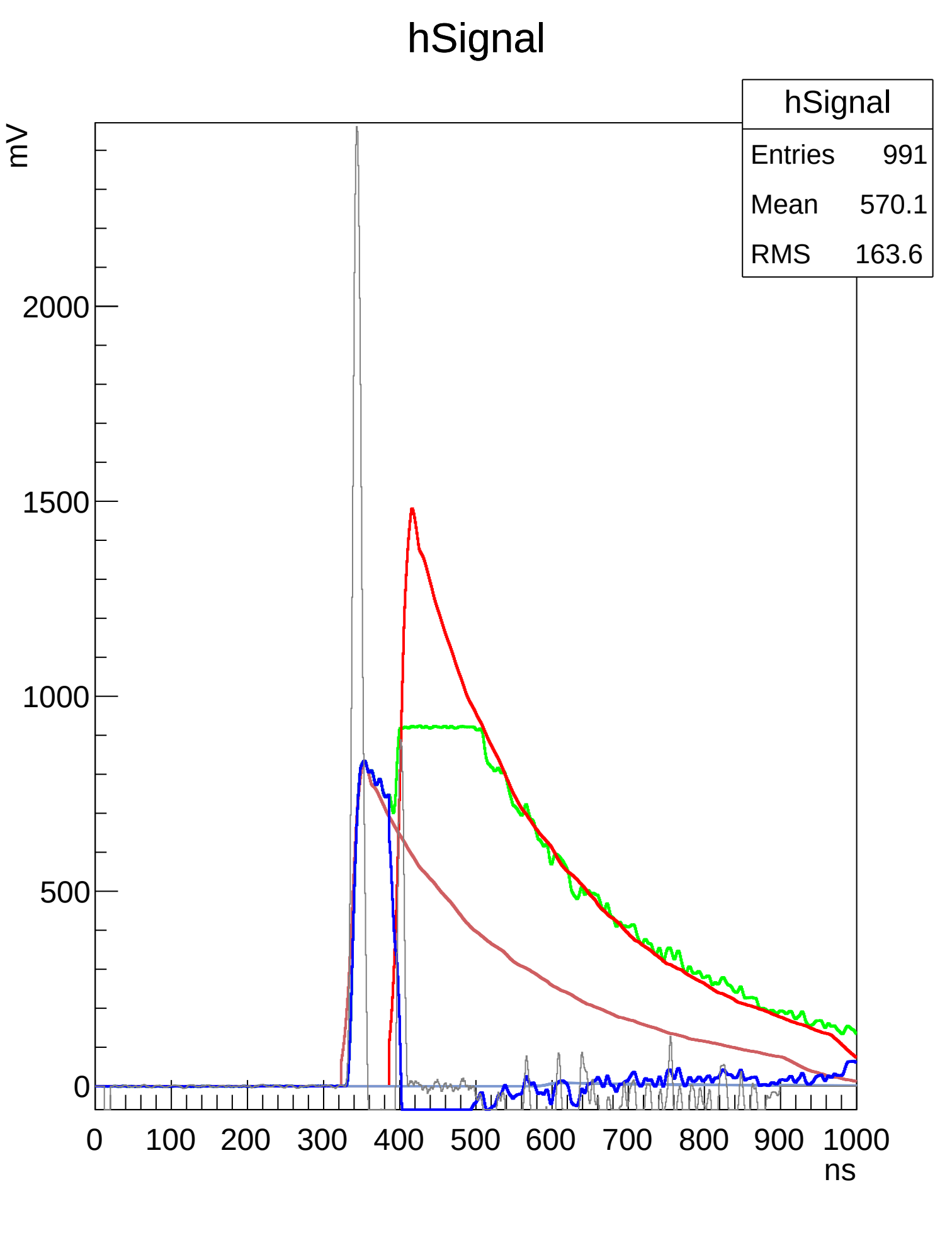

hSignal
hSignal
Entries 991
Mean 608.5
RMS 146.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

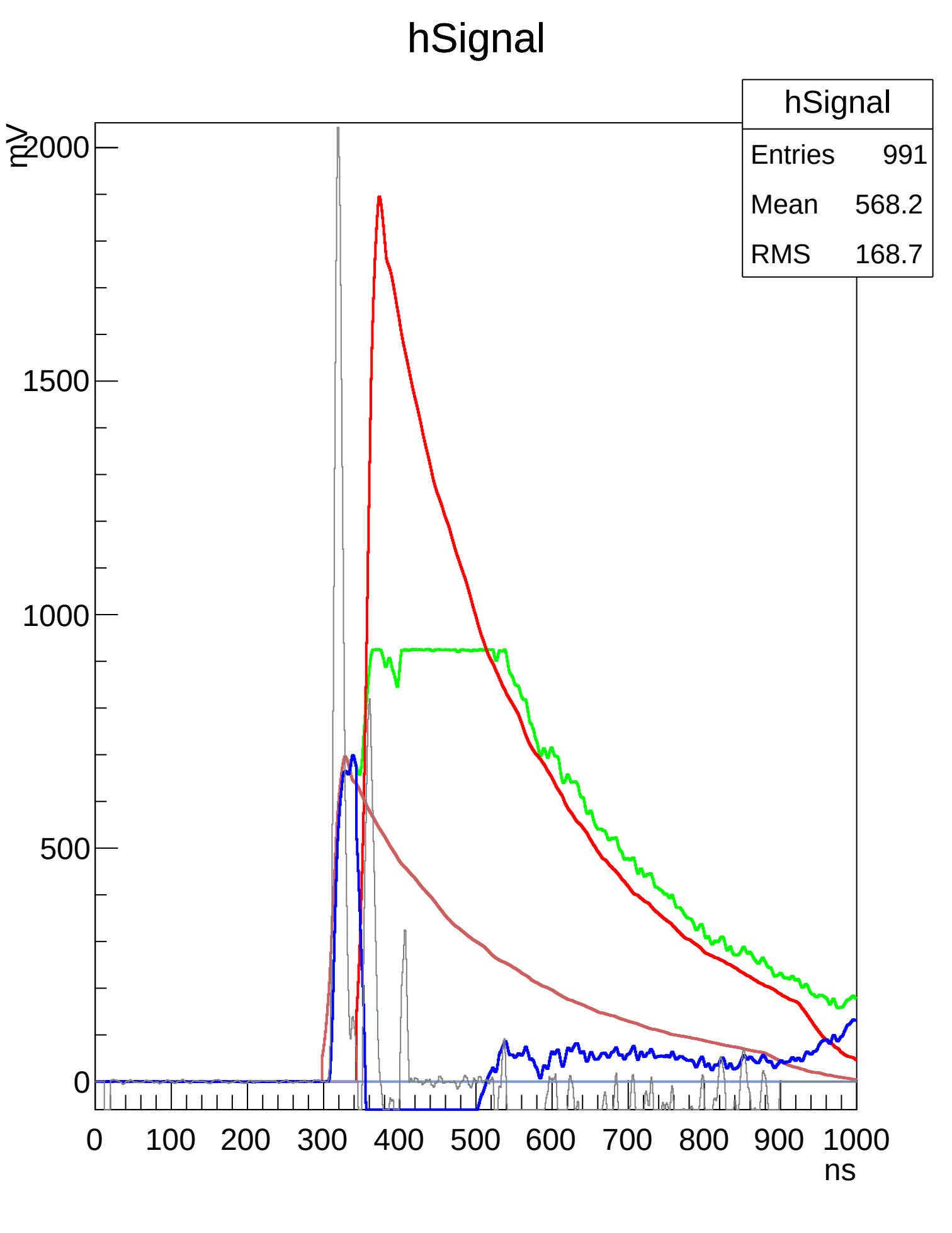

hSignal
hSignal
Entries 991
Mean 560.5
RMS 162.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

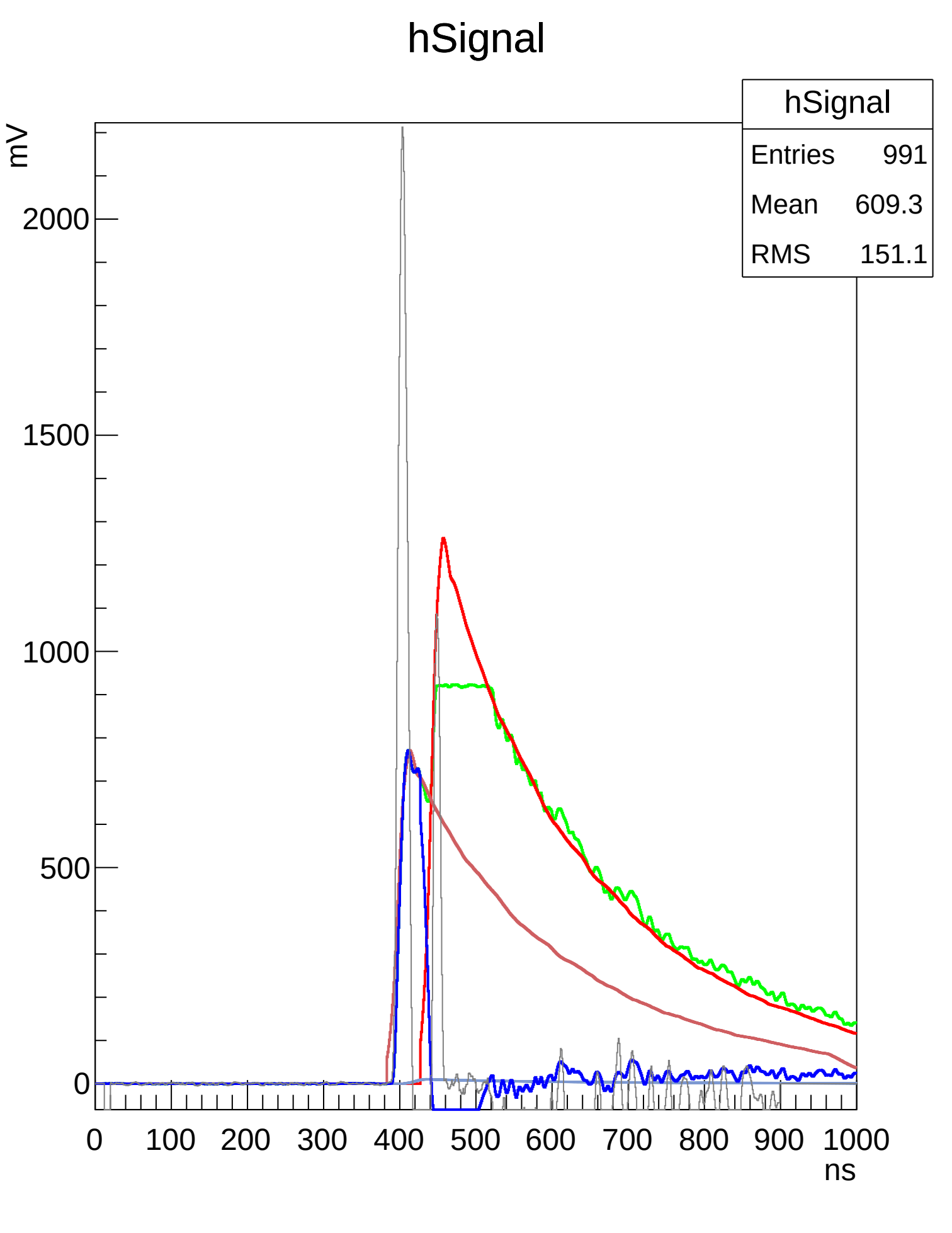

hSignal
hSignal
Entries 991
Mean 555.4
RMS 165.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

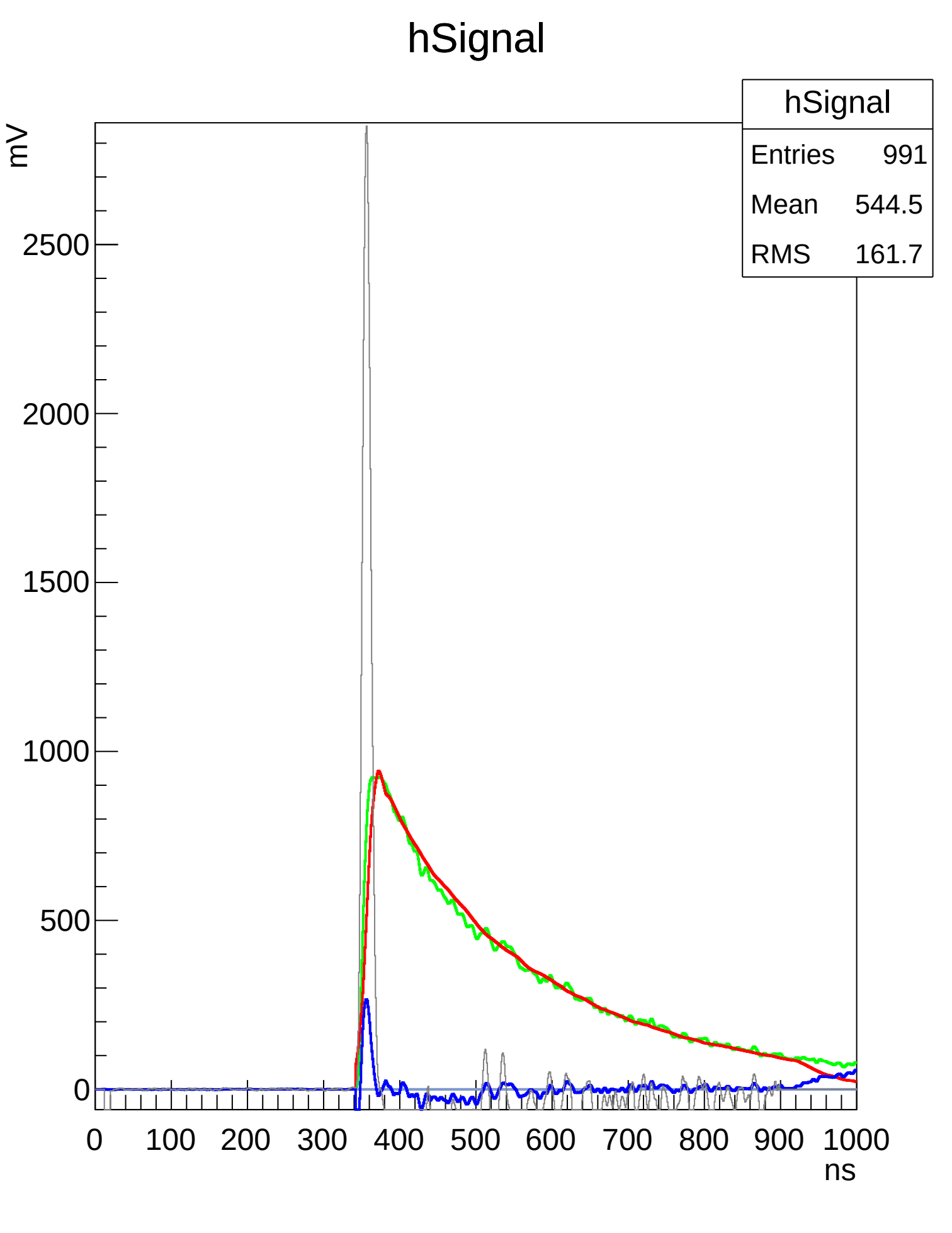

hSignal
hSignal
Entries 991
Mean 565.2
RMS 167.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

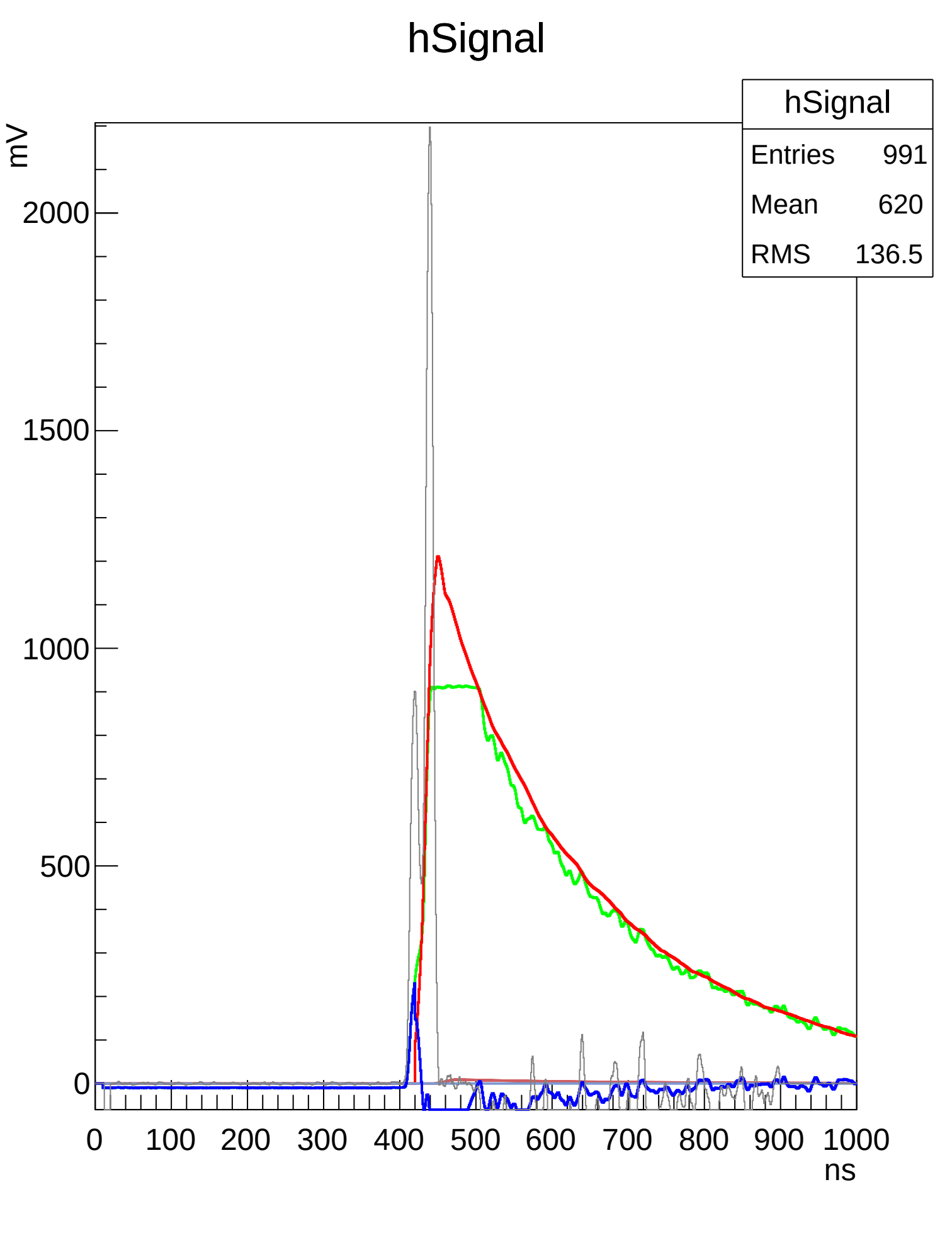

hSignal
hSignal
Entries 991
Mean 547.2
RMS 165.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

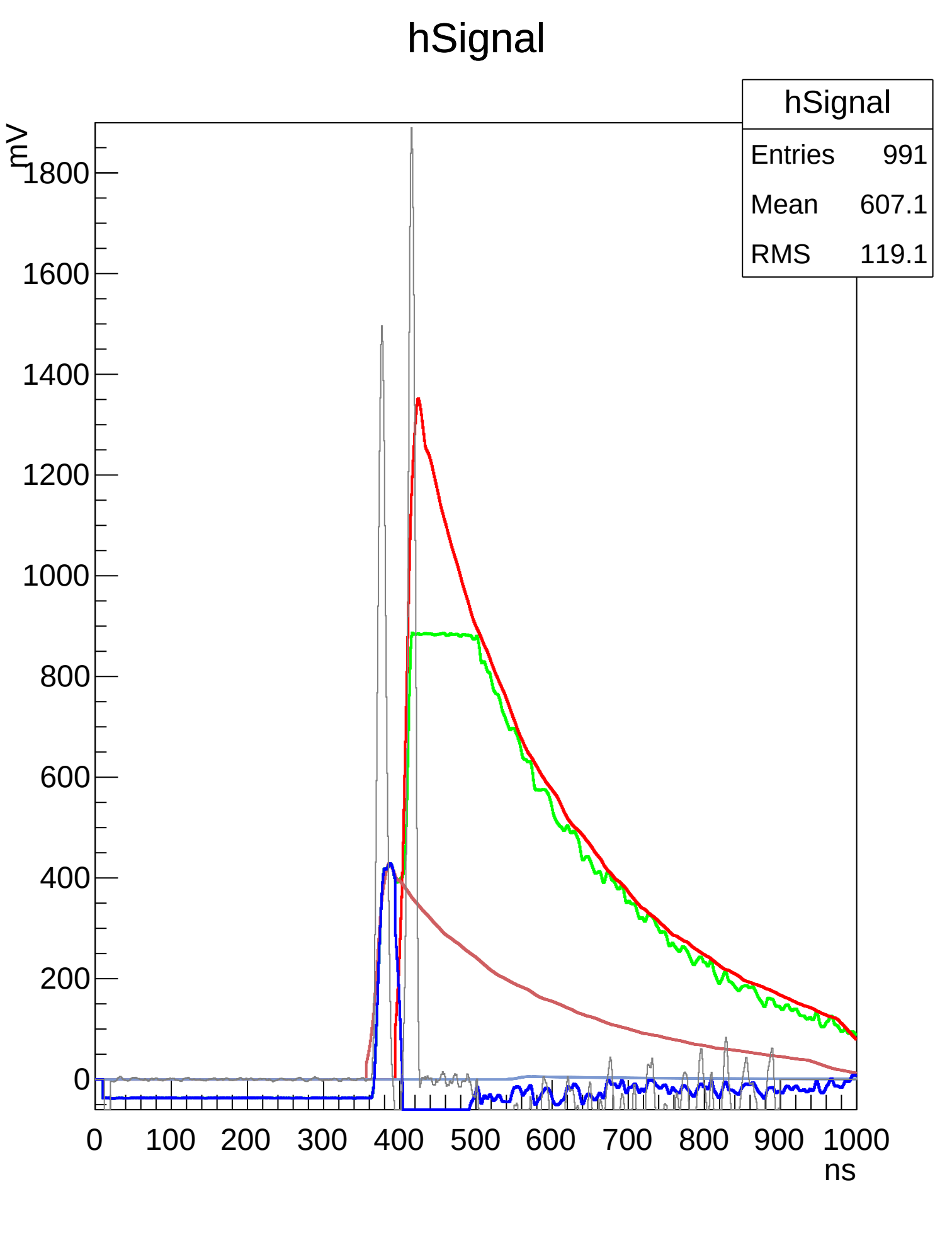

hSignal
hSignal
Entries 991
Mean 570.1
RMS 163.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

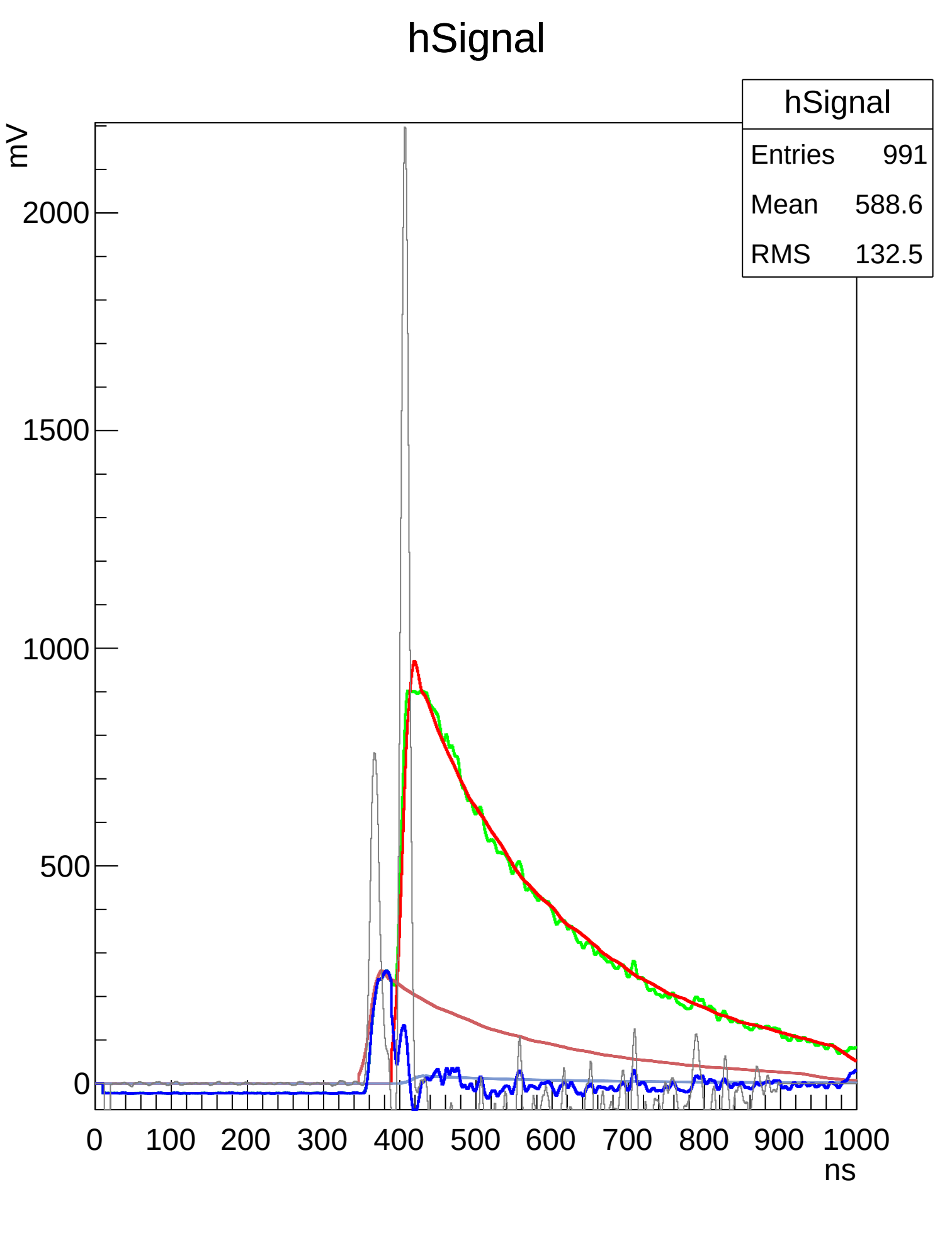

hSignal
hSignal
Entries 991
Mean 568.2
RMS 168.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

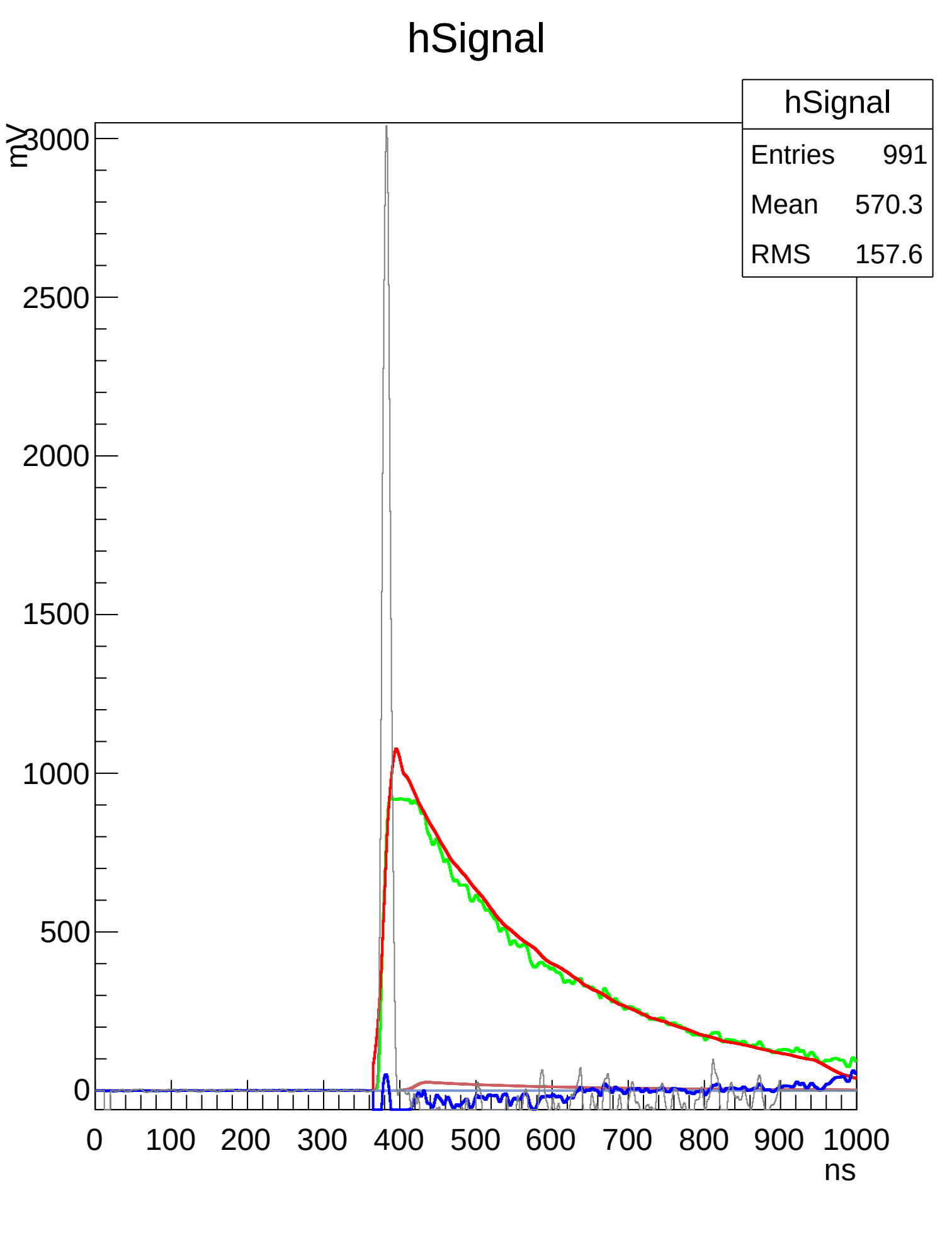

hSignal
hSignal
Entries 991
Mean 609.3
RMS 151.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

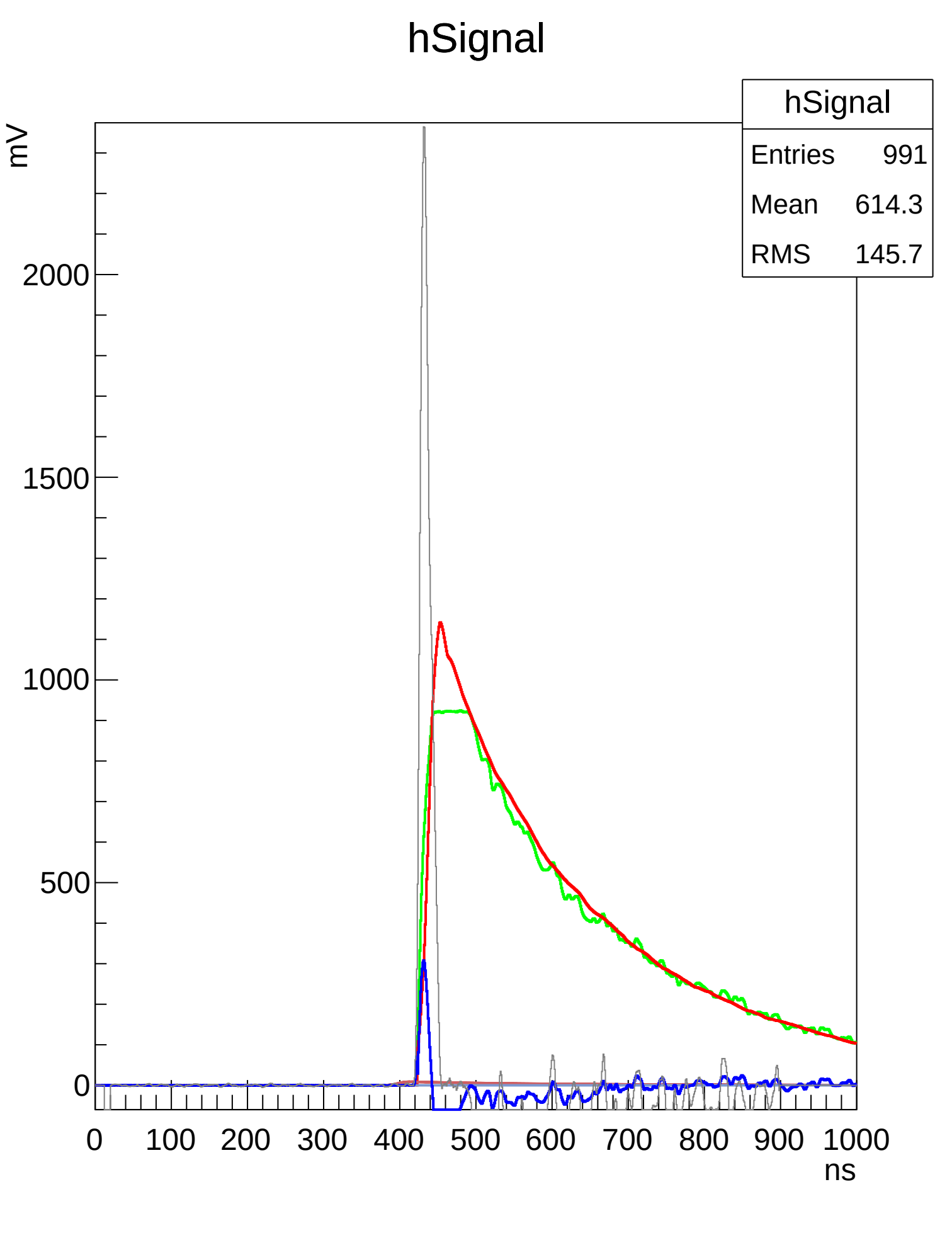

hSignal
hSignal
Entries 991
Mean 544.5
RMS 161.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

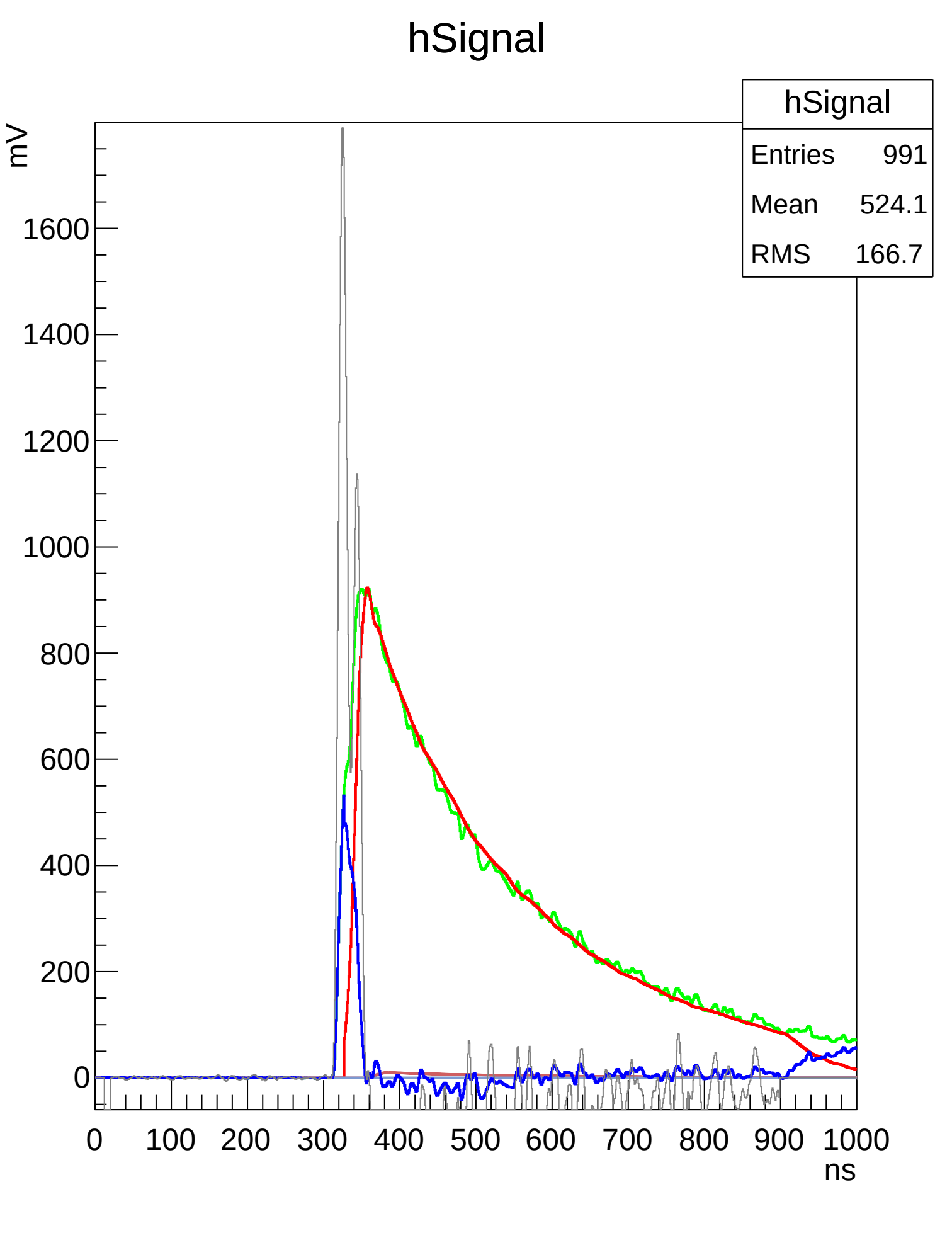

hSignal
hSignal
Entries 991
Mean 620
RMS 136.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

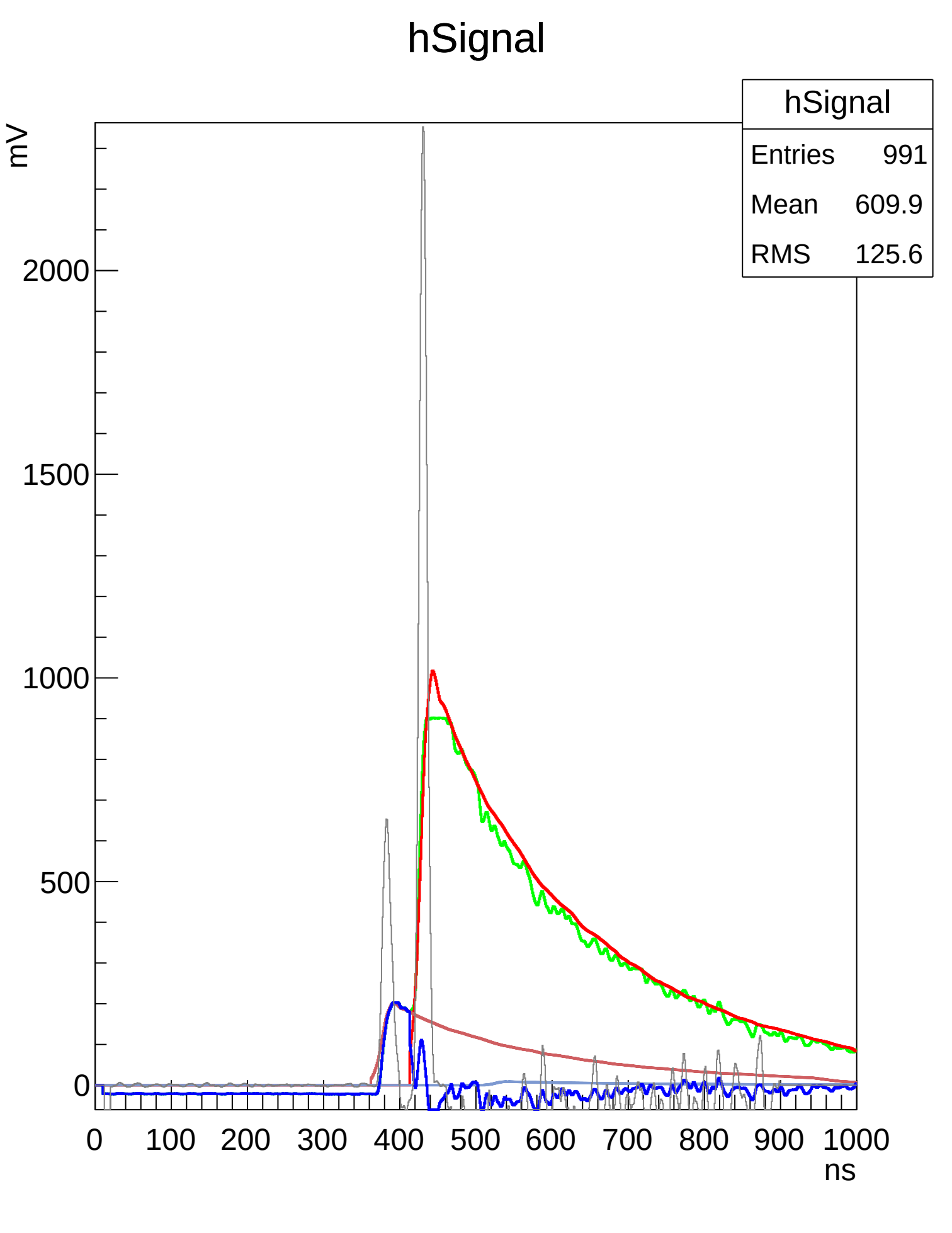

hSignal
hSignal
Entries 991
Mean 607.1
RMS 119.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

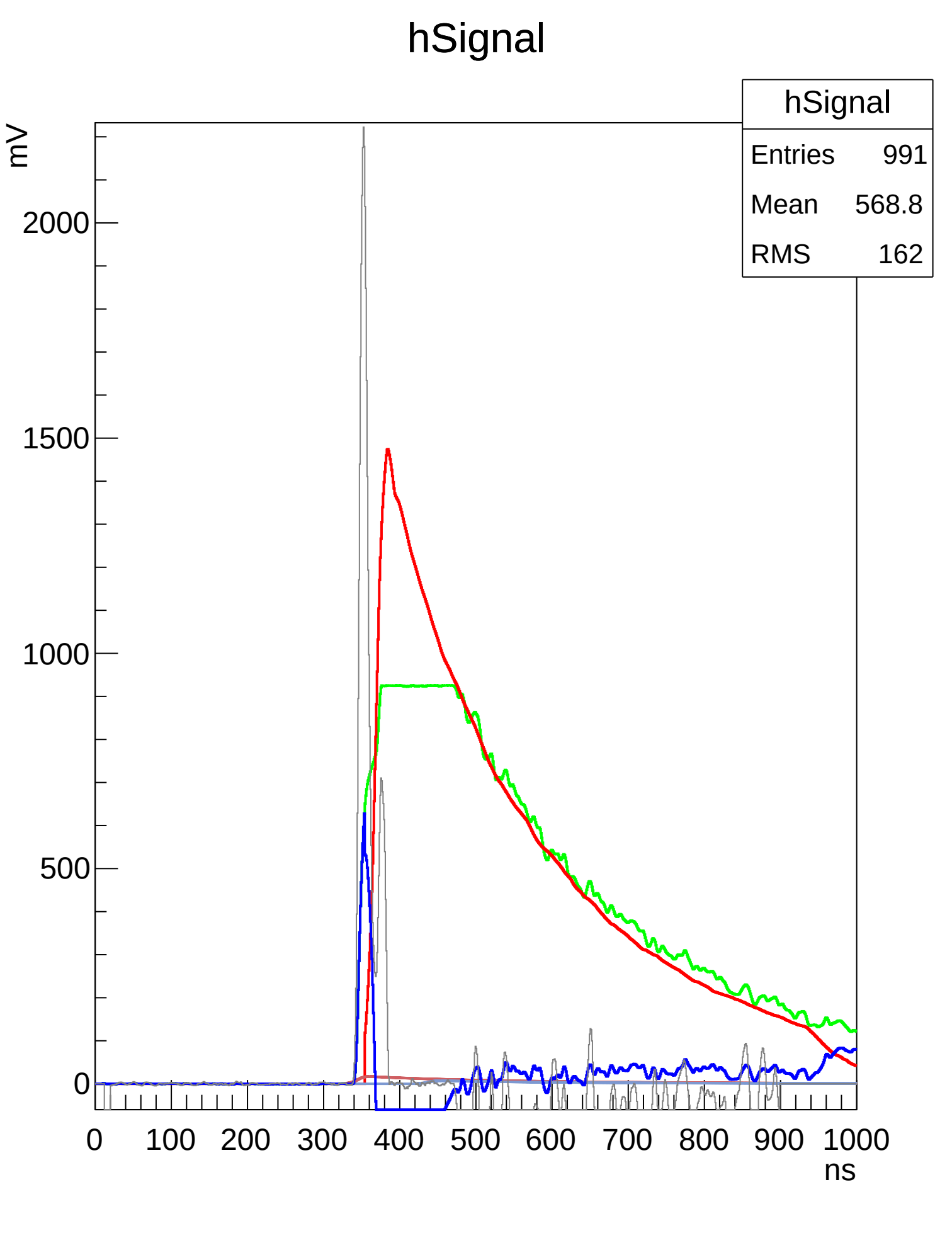

hSignal
hSignal
Entries 991
Mean 588.6
RMS 132.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

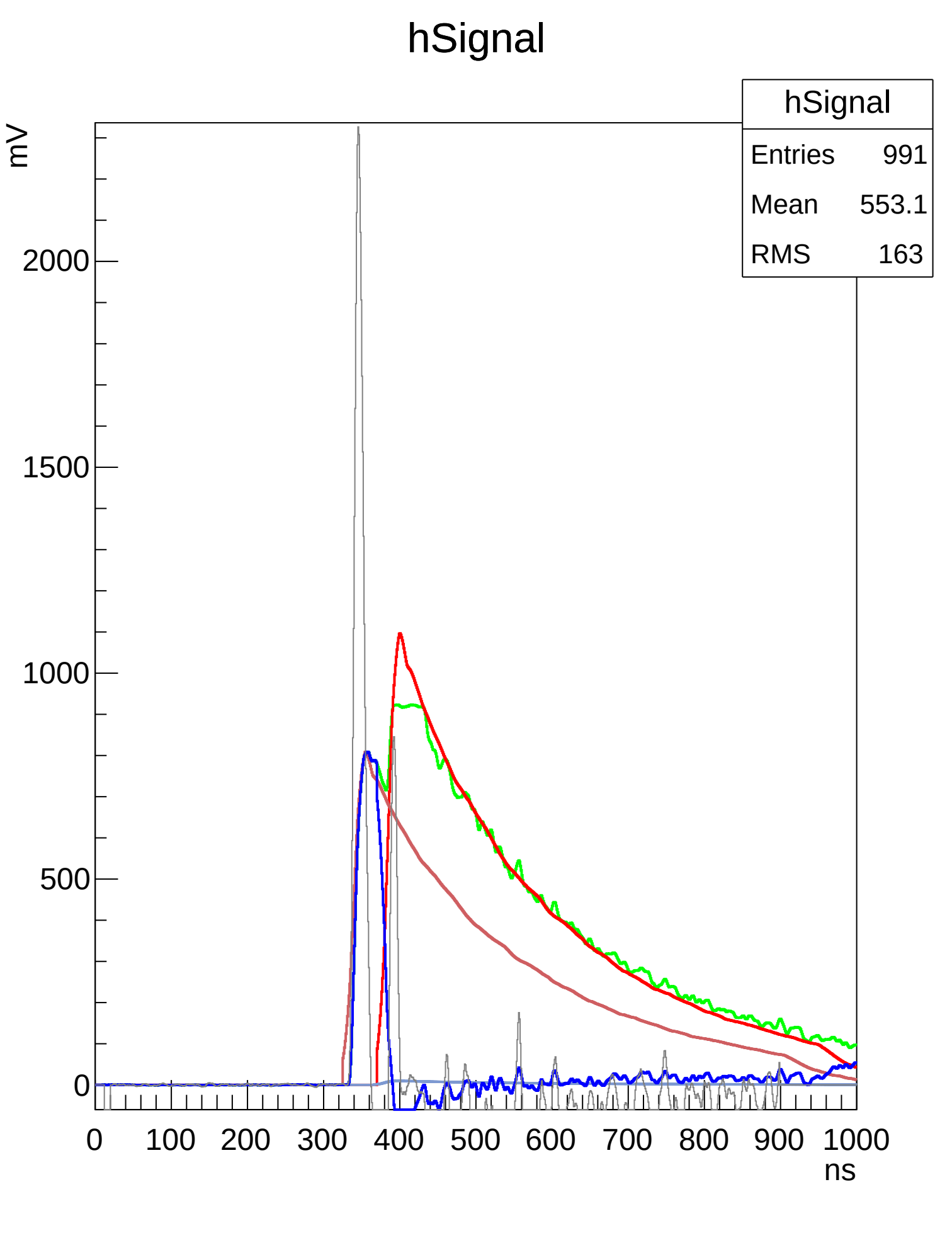

hSignal
hSignal
Entries 991
Mean 570.3
RMS 157.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

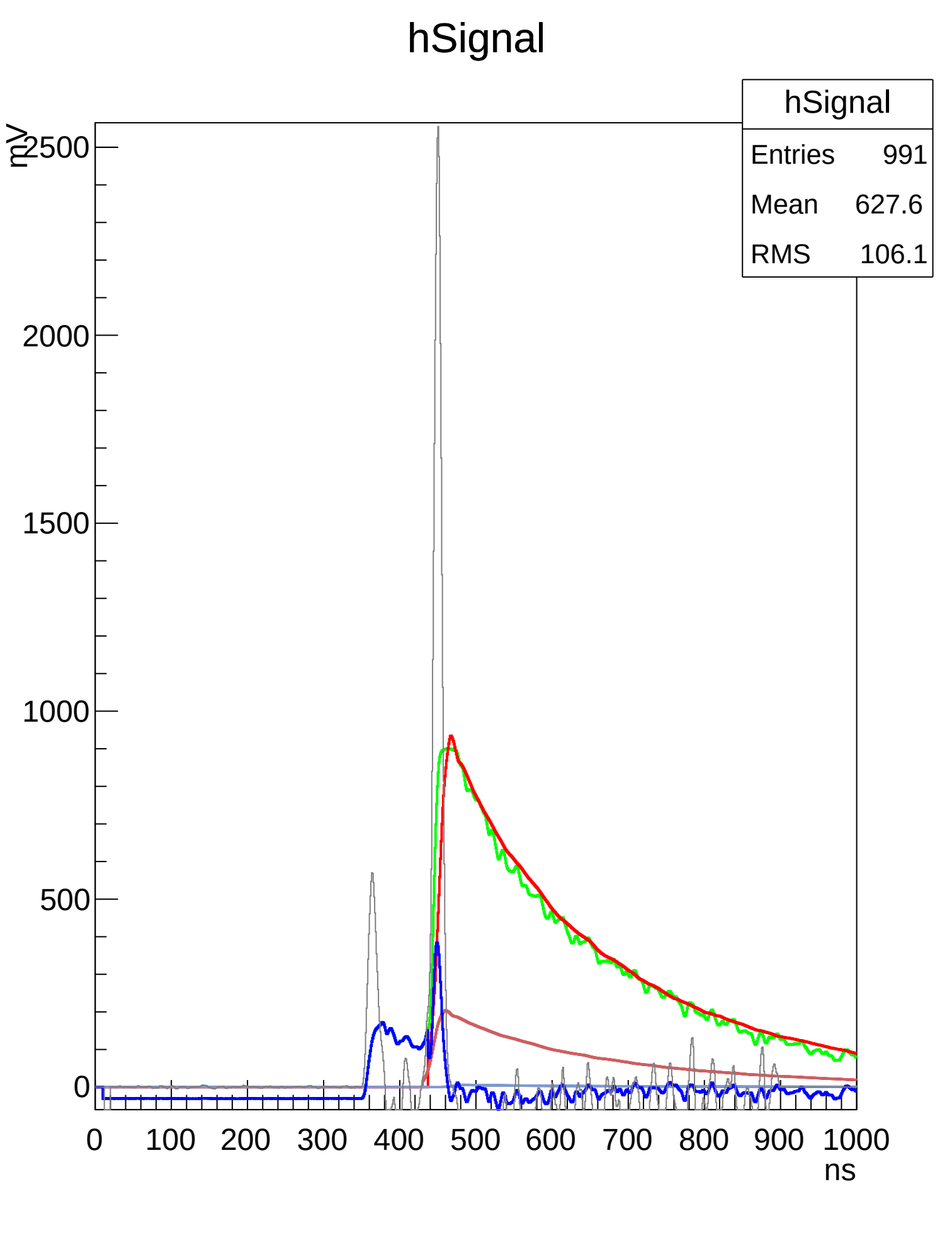

hSignal
hSignal
Entries 991
Mean 614.3
RMS 145.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

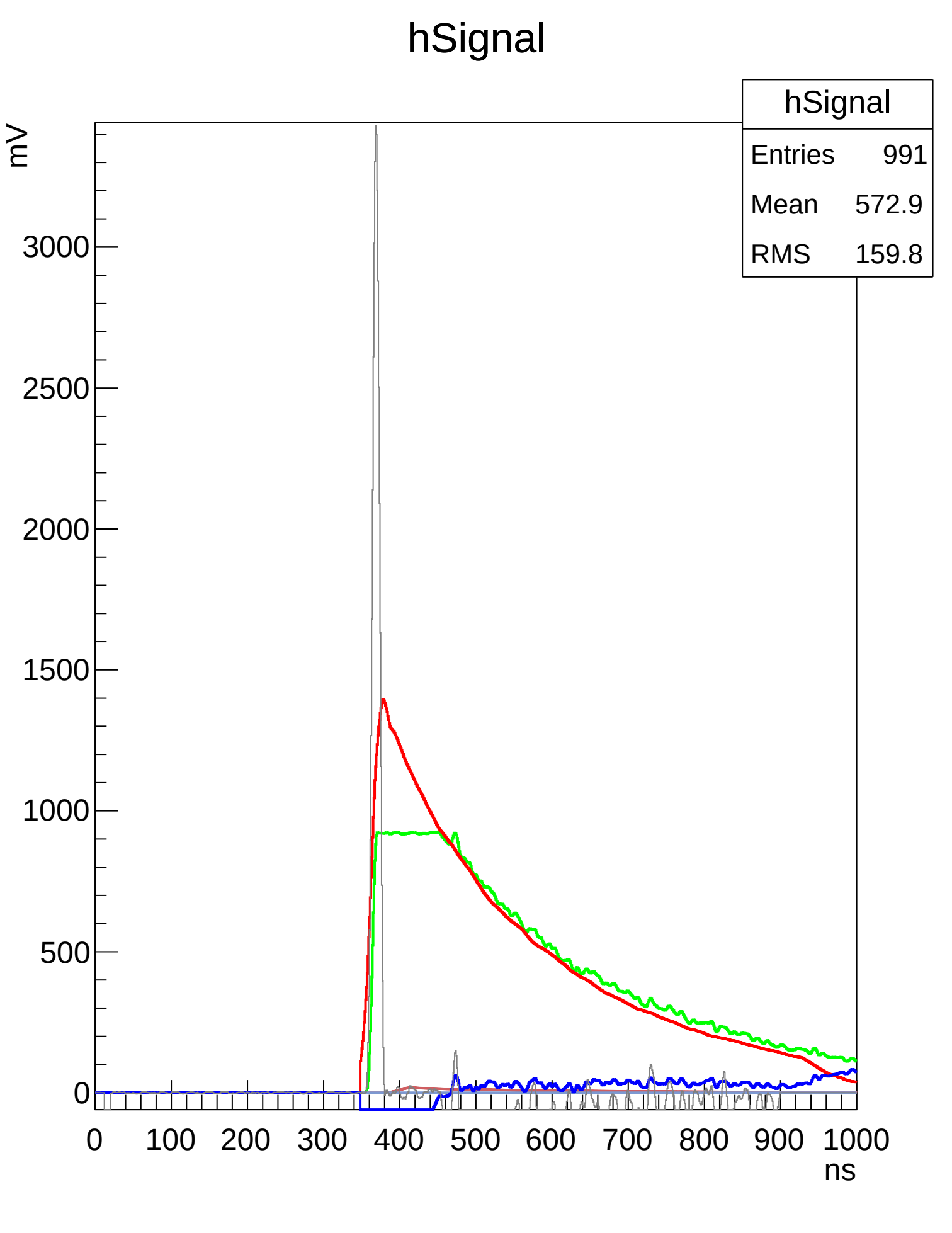

hSignal
hSignal
Entries 991
Mean 524.1
RMS 166.7
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

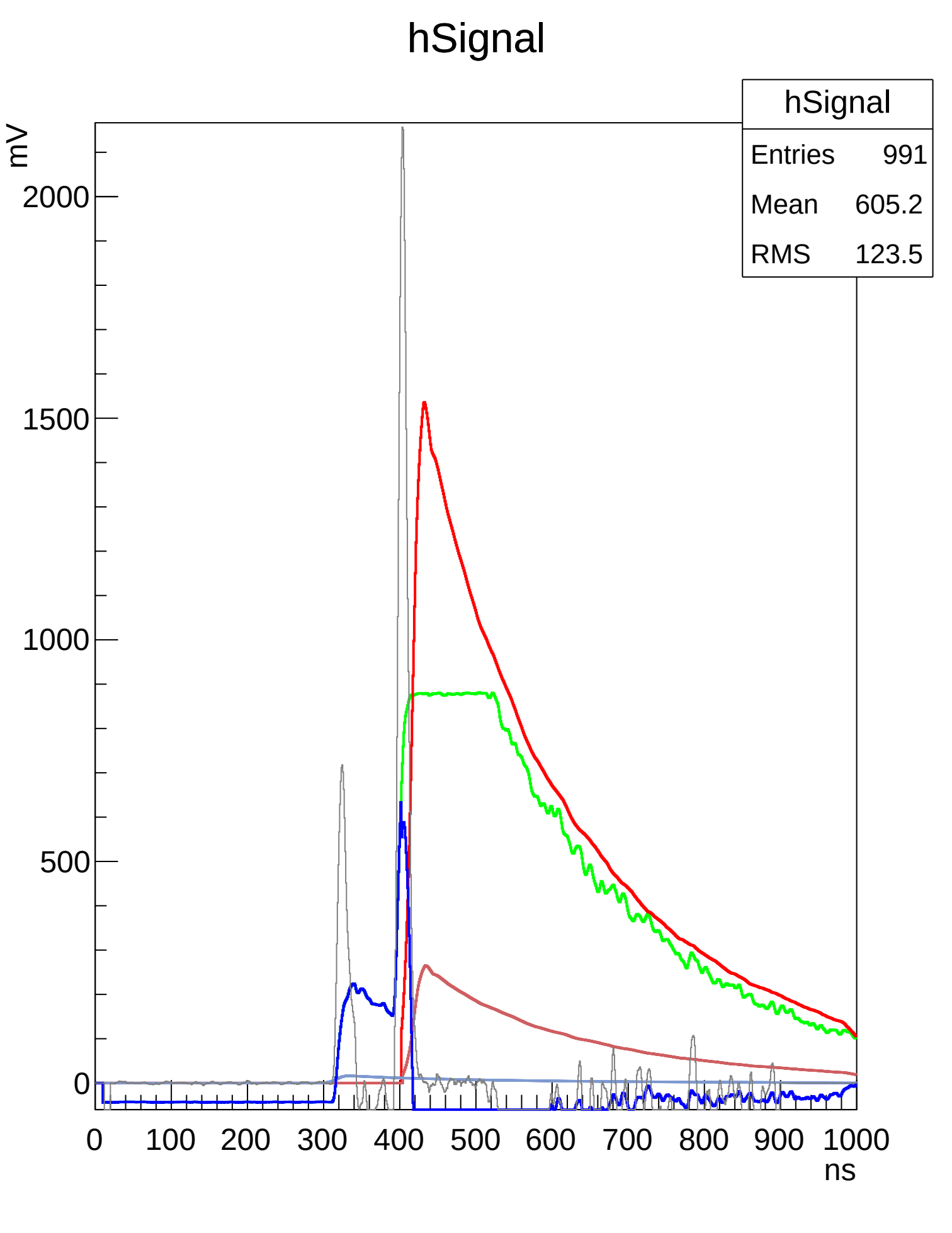

hSignal
hSignal
Entries 991
Mean 609.9
RMS 125.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

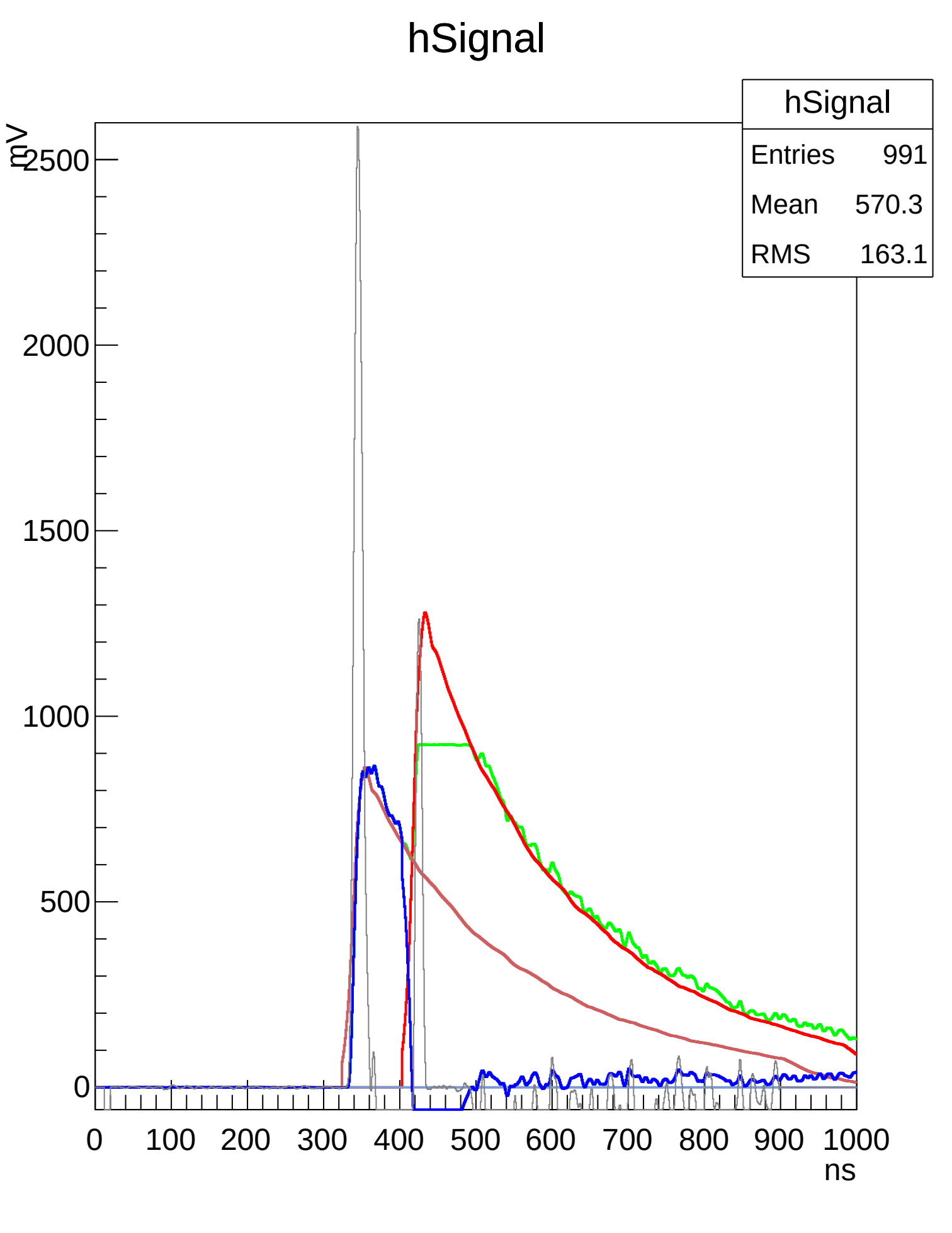

hSignal
hSignal
Entries 991
Mean 568.8
RMS 162
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

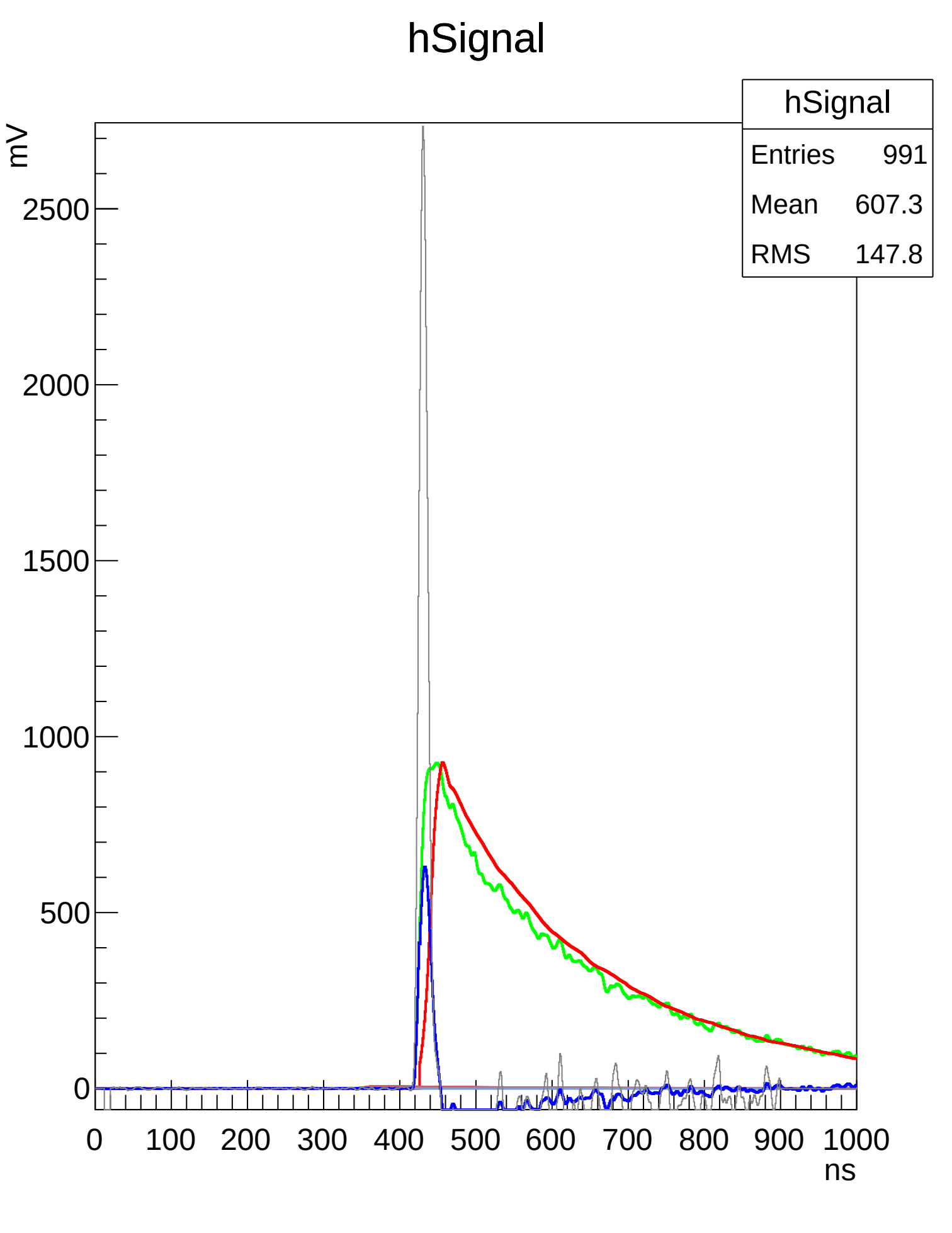

hSignal
hSignal
Entries 991
Mean 553.1
RMS 163
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

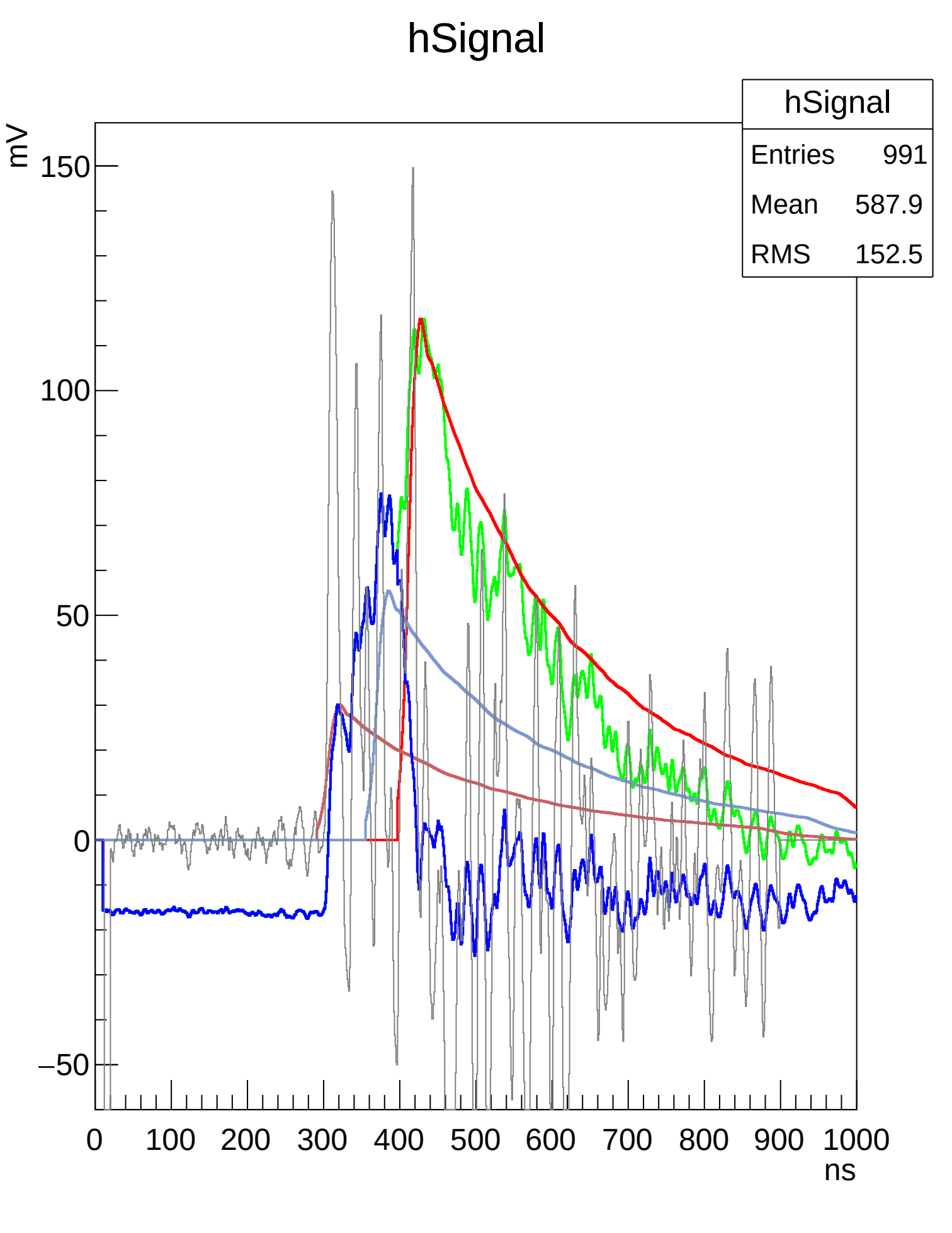

hSignal
hSignal
Entries 991
Mean 627.6
RMS 106.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

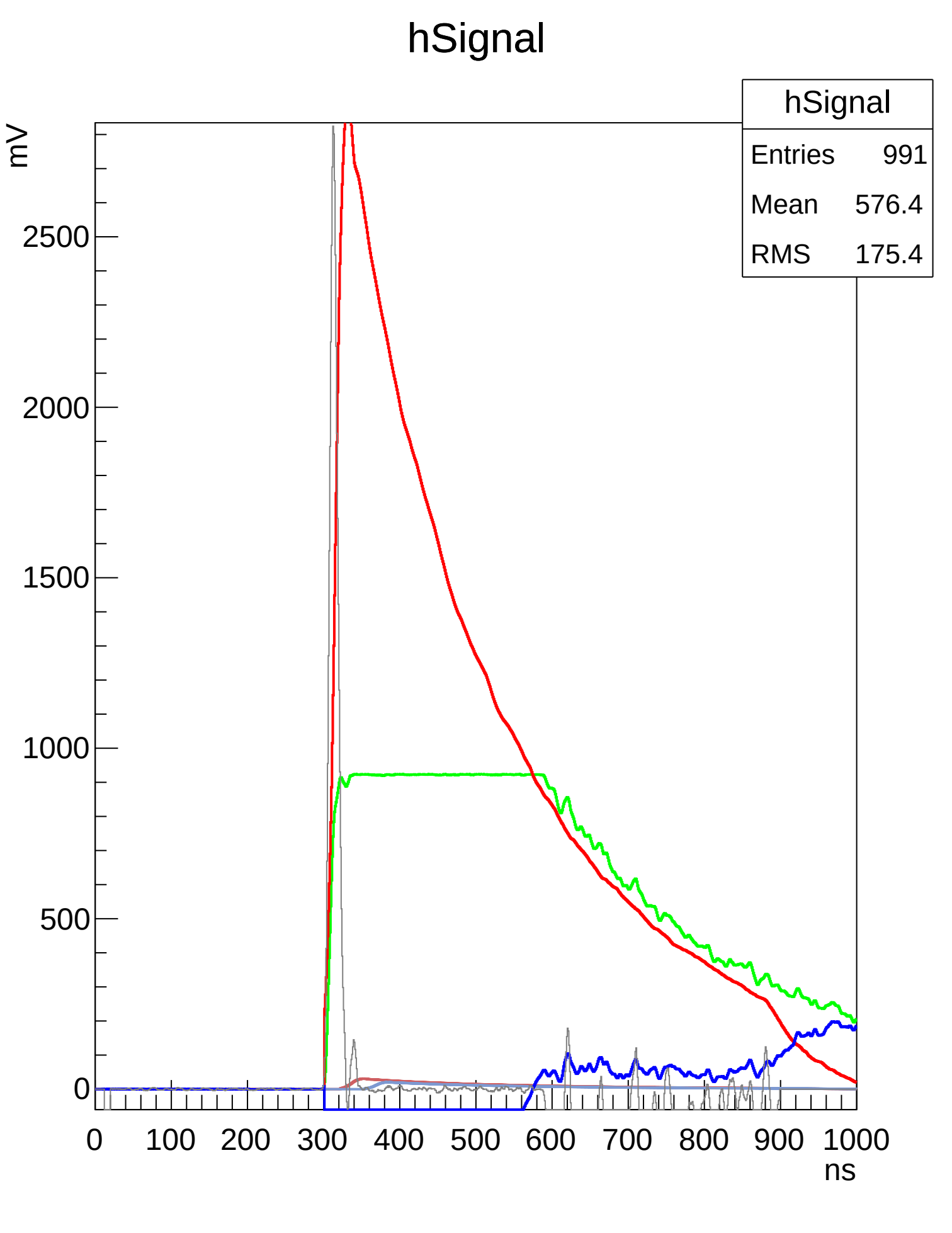

hSignal
hSignal
Entries 991
Mean 572.9
RMS 159.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

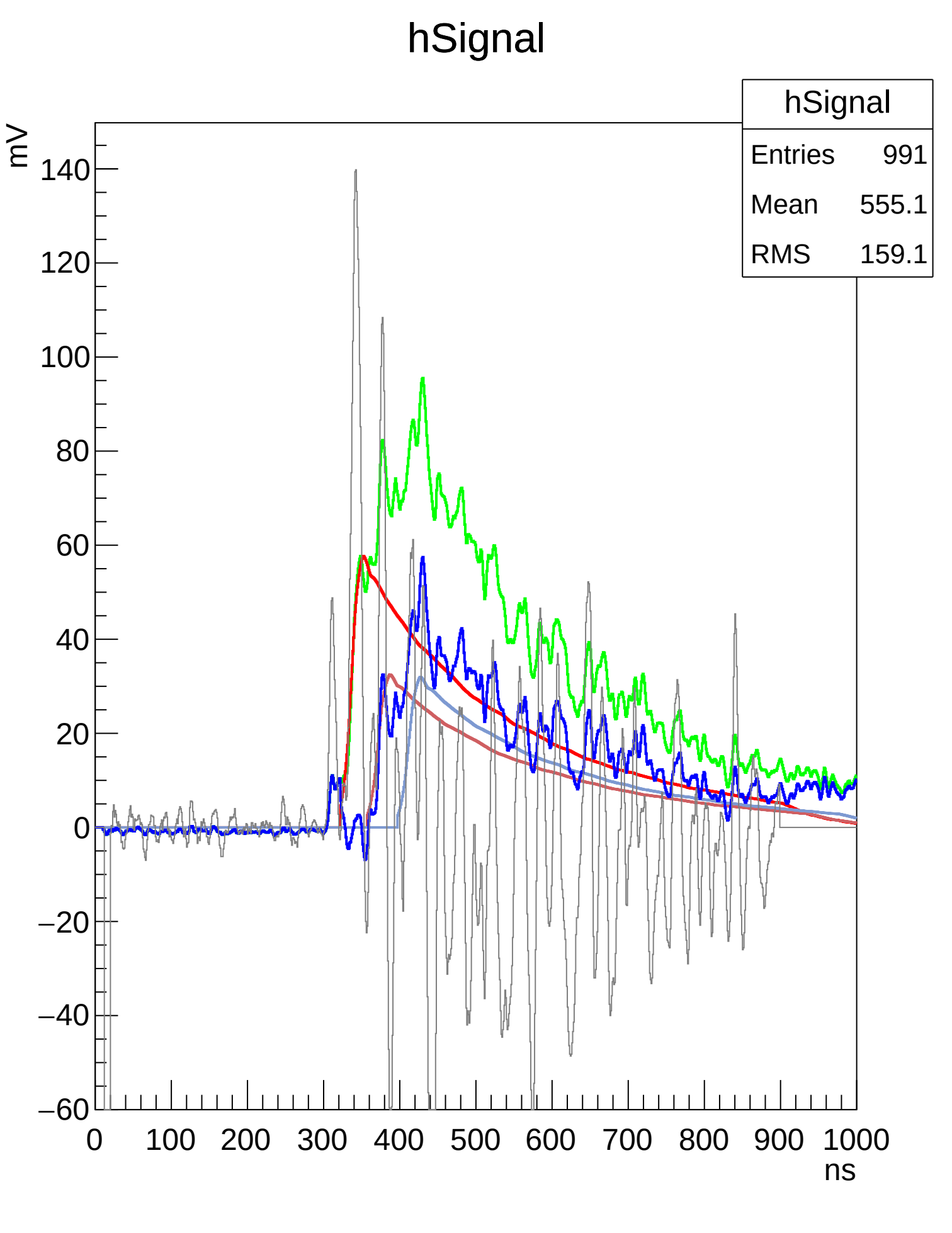

hSignal
hSignal
Entries 991
Mean 605.2
RMS 123.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

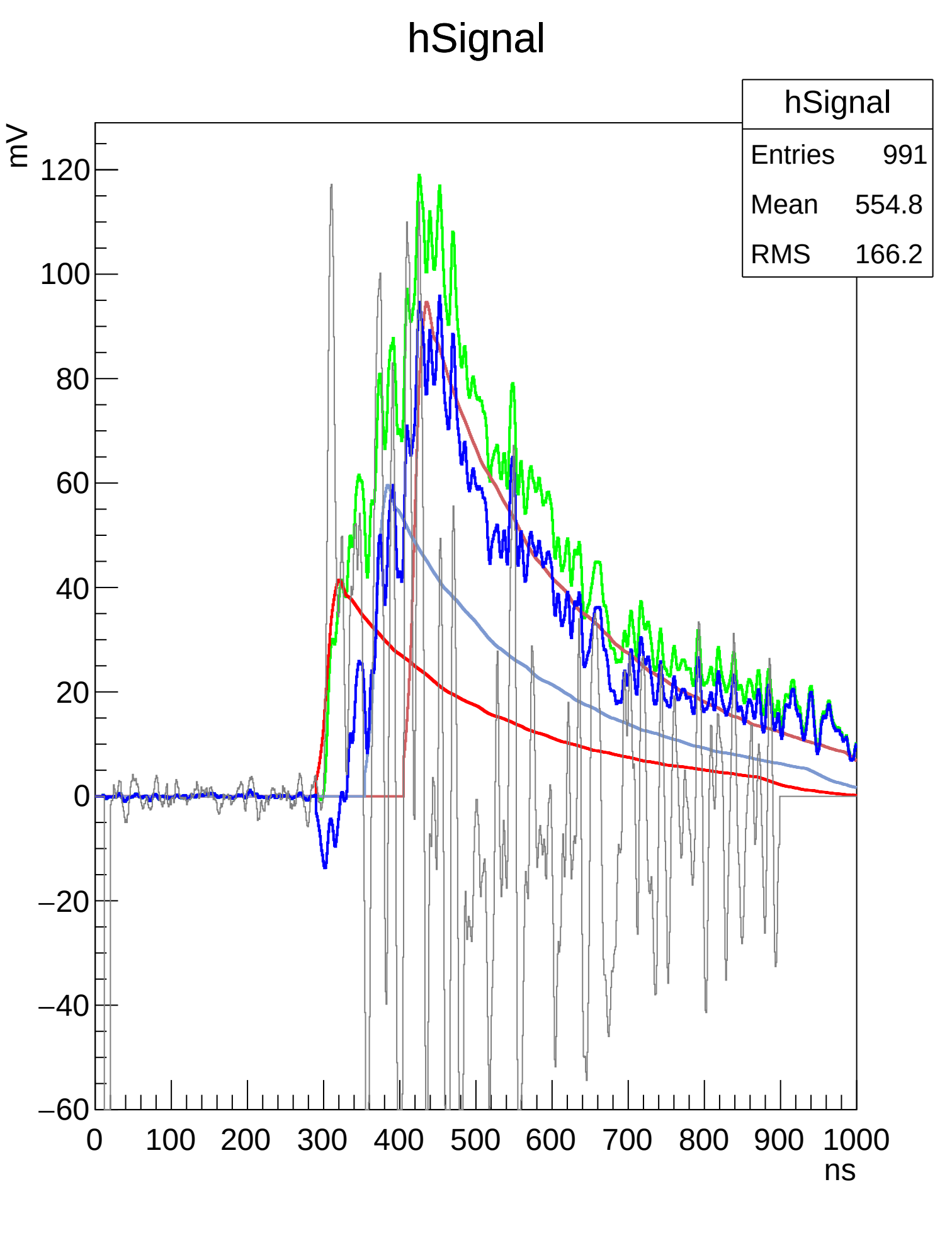

hSignal
hSignal
Entries 991
Mean 570.3
RMS 163.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

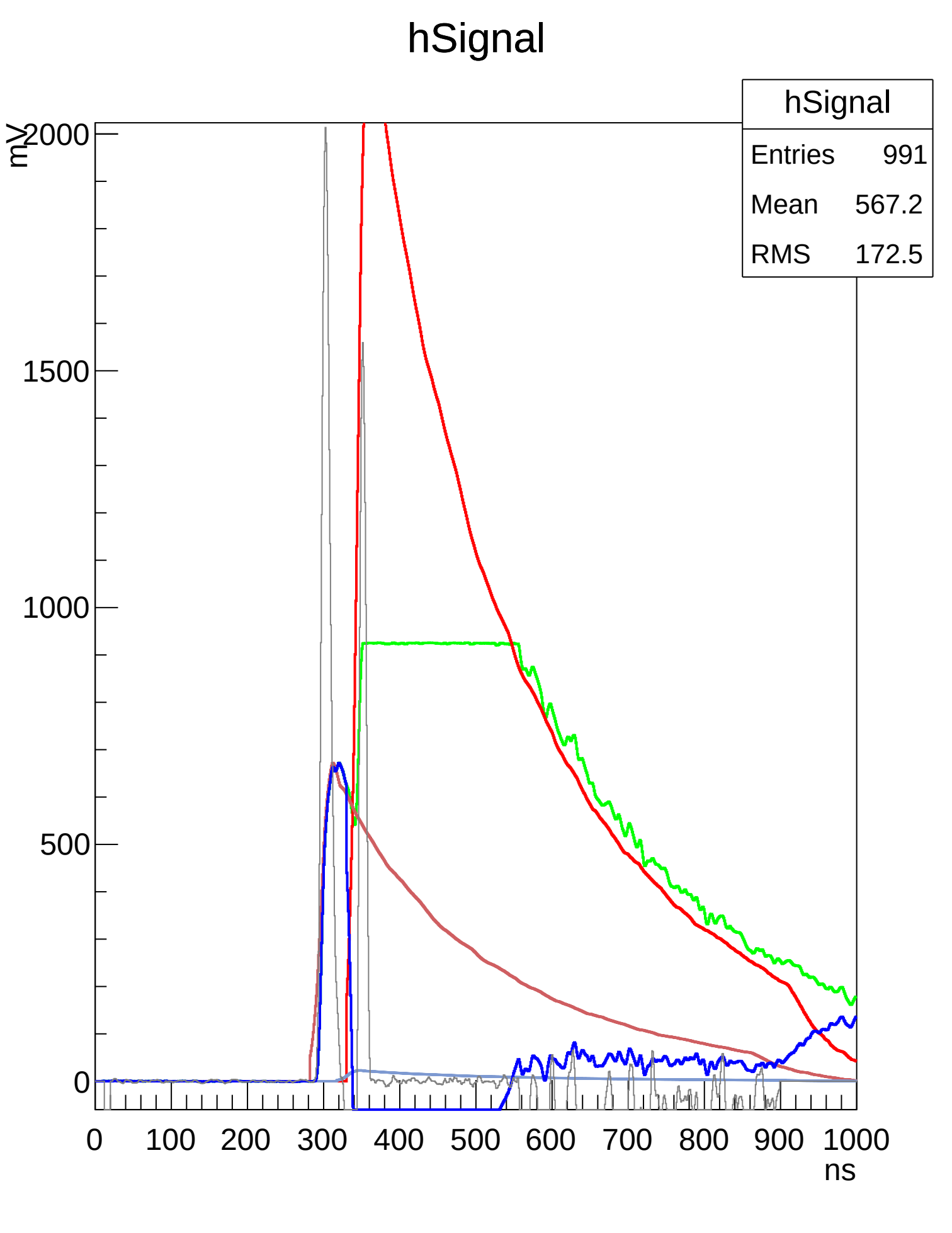

hSignal
hSignal
Entries 991
Mean 607.3
RMS 147.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

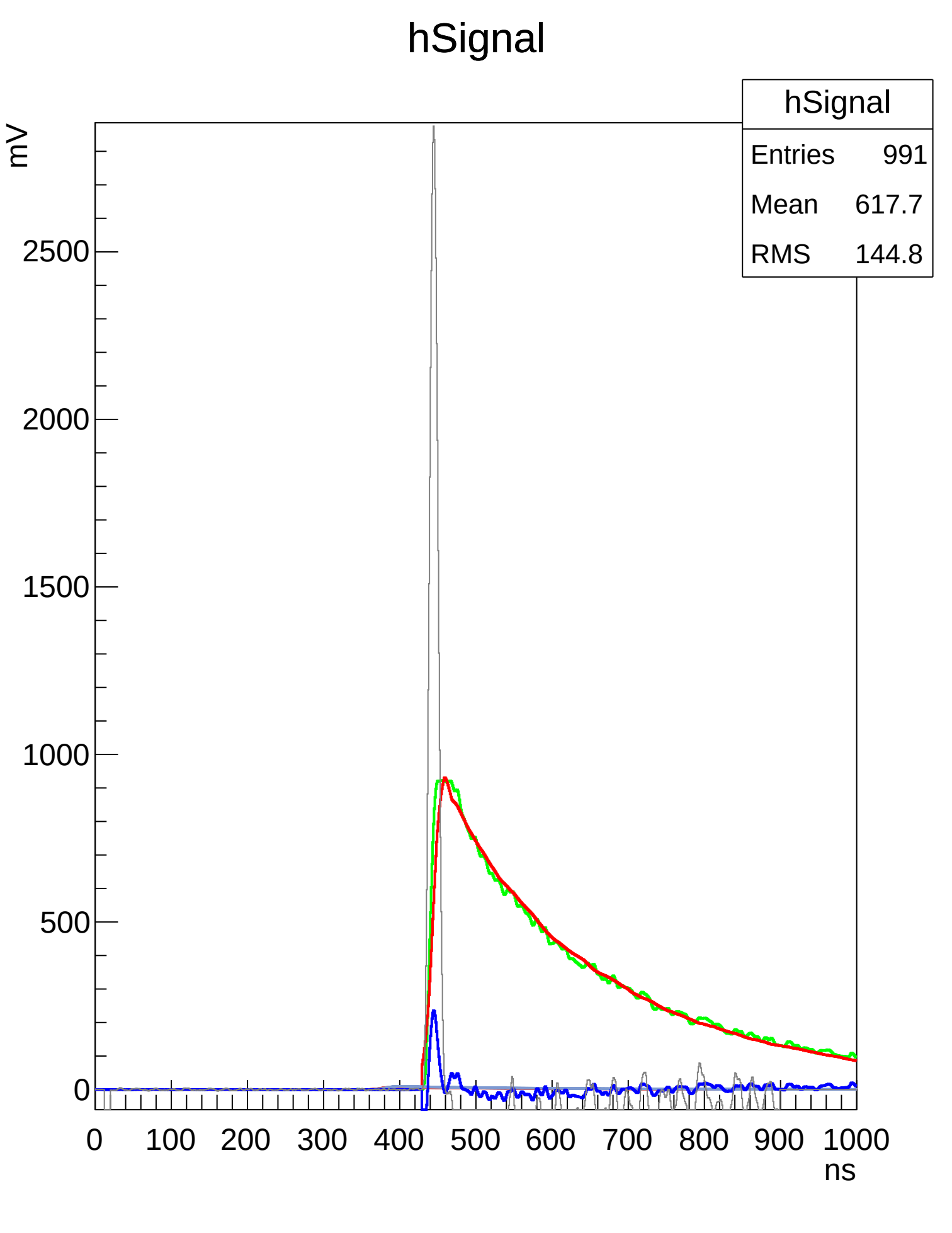

hSignal
hSignal
Entries 991
Mean 587.9
RMS 152.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

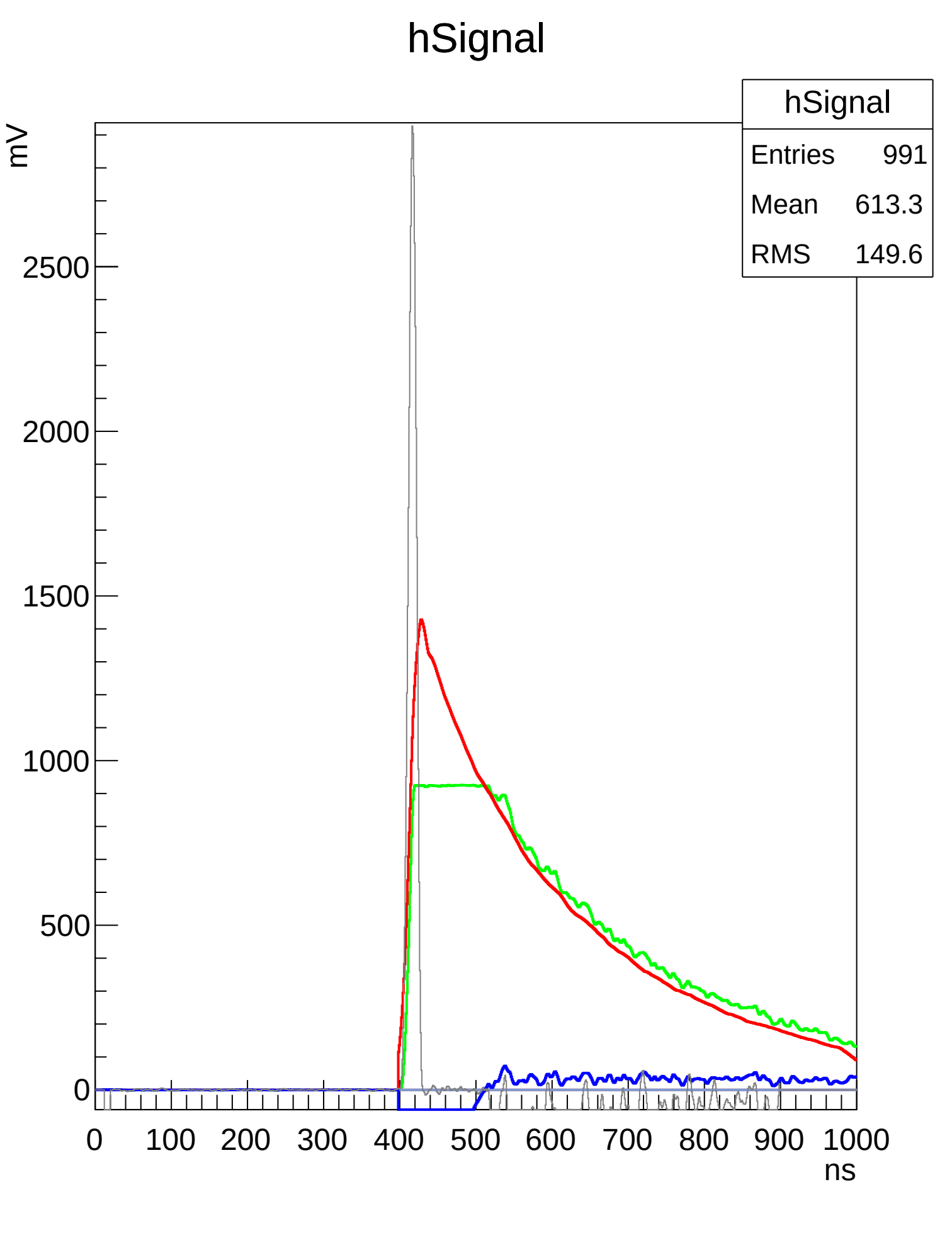

hSignal
hSignal
Entries 991
Mean 576.4
RMS 175.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

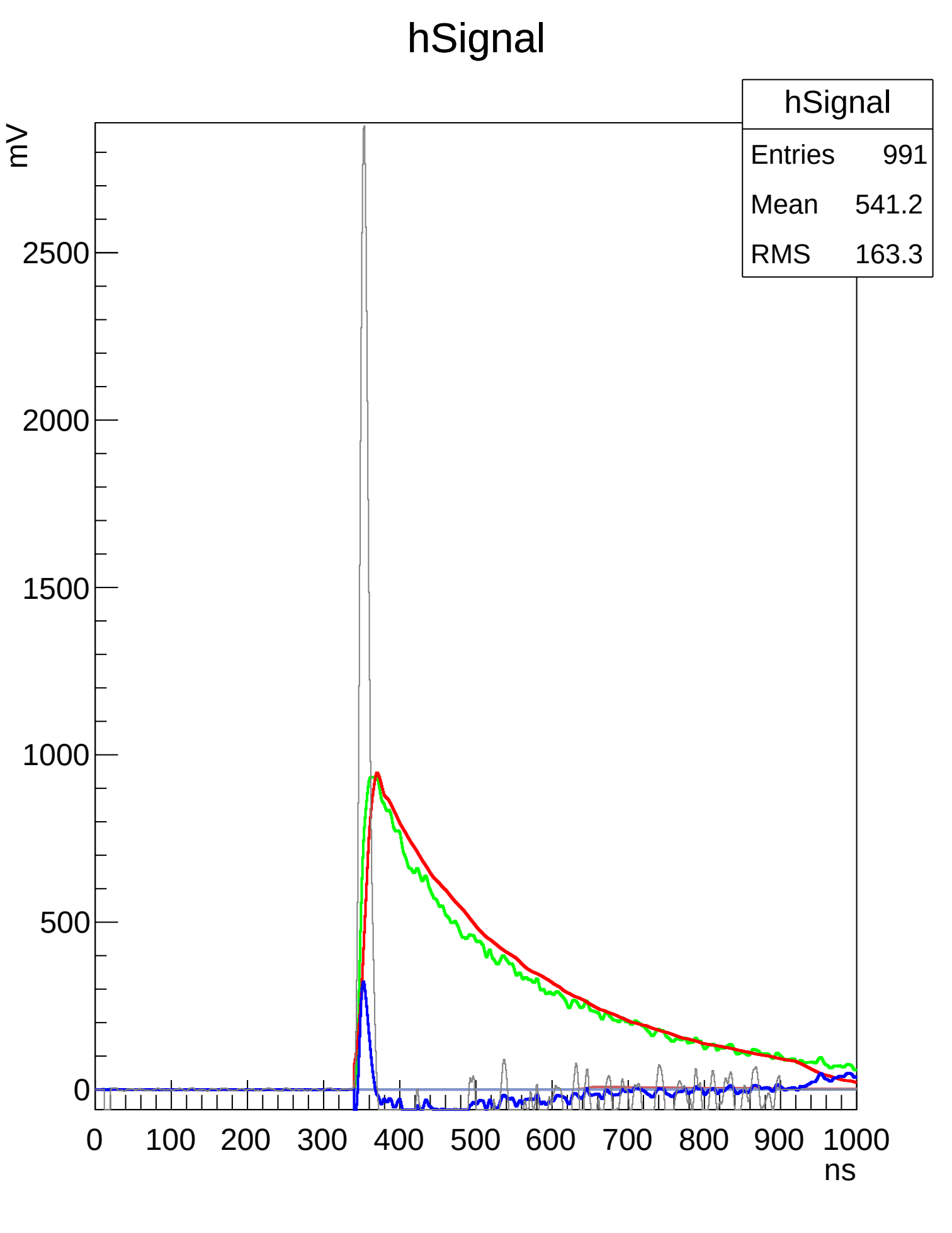

hSignal
hSignal
Entries 991
Mean 555.1
RMS 159.1
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

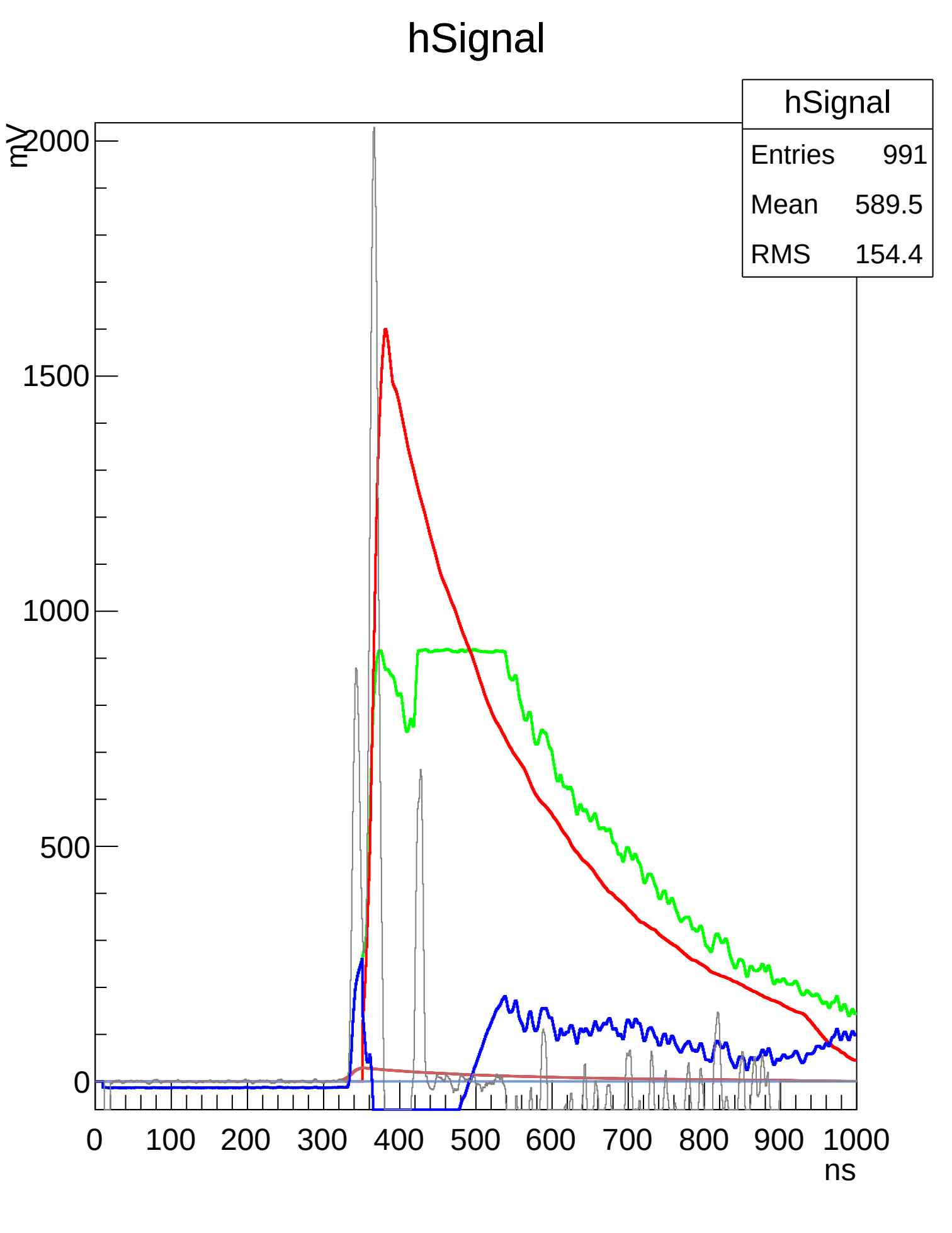

hSignal
hSignal
Entries 991
Mean 554.8
RMS 166.2
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

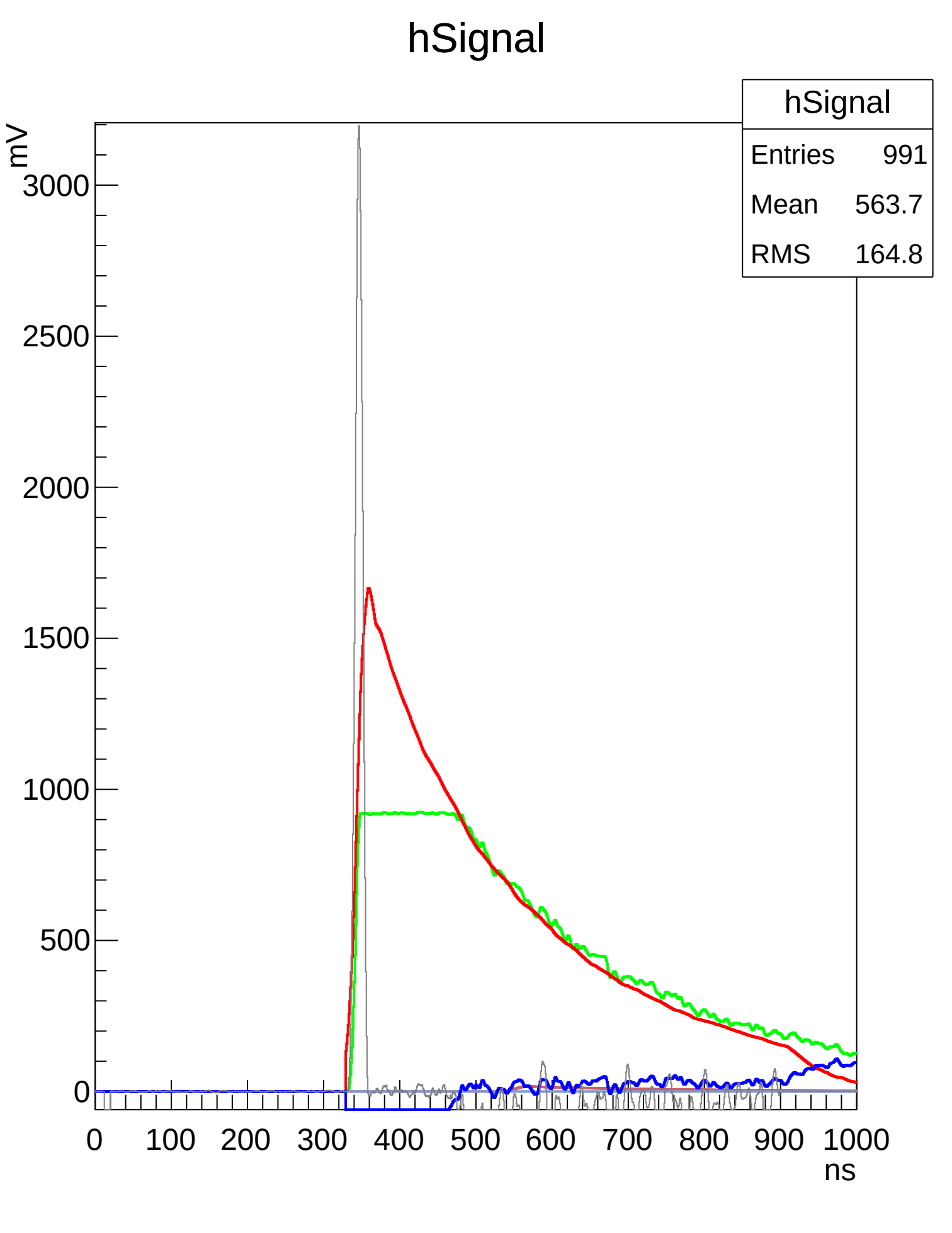

hSignal
hSignal
Entries 991
Mean 567.2
RMS 172.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

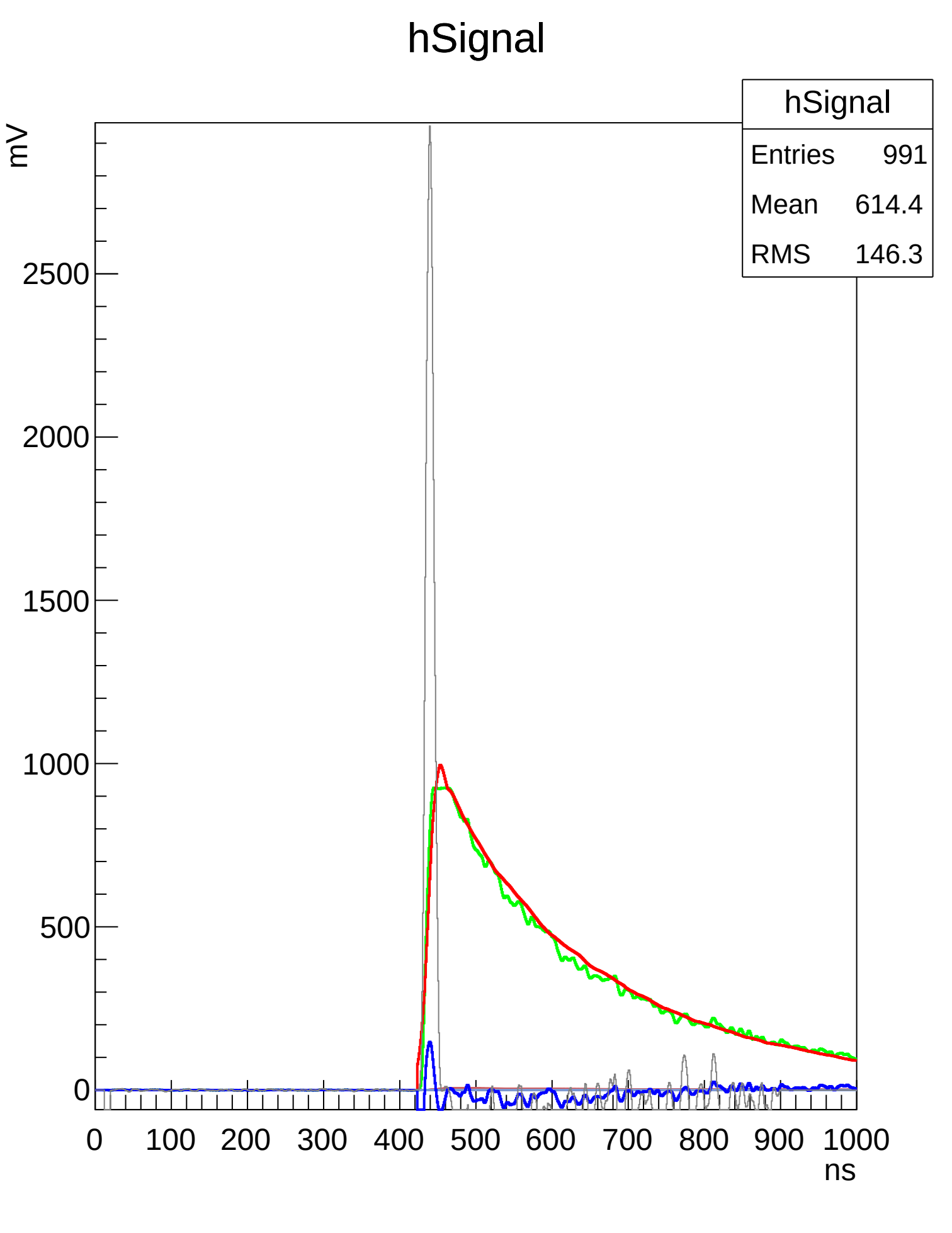

hSignal
hSignal
Entries 991
Mean 617.7
RMS 144.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

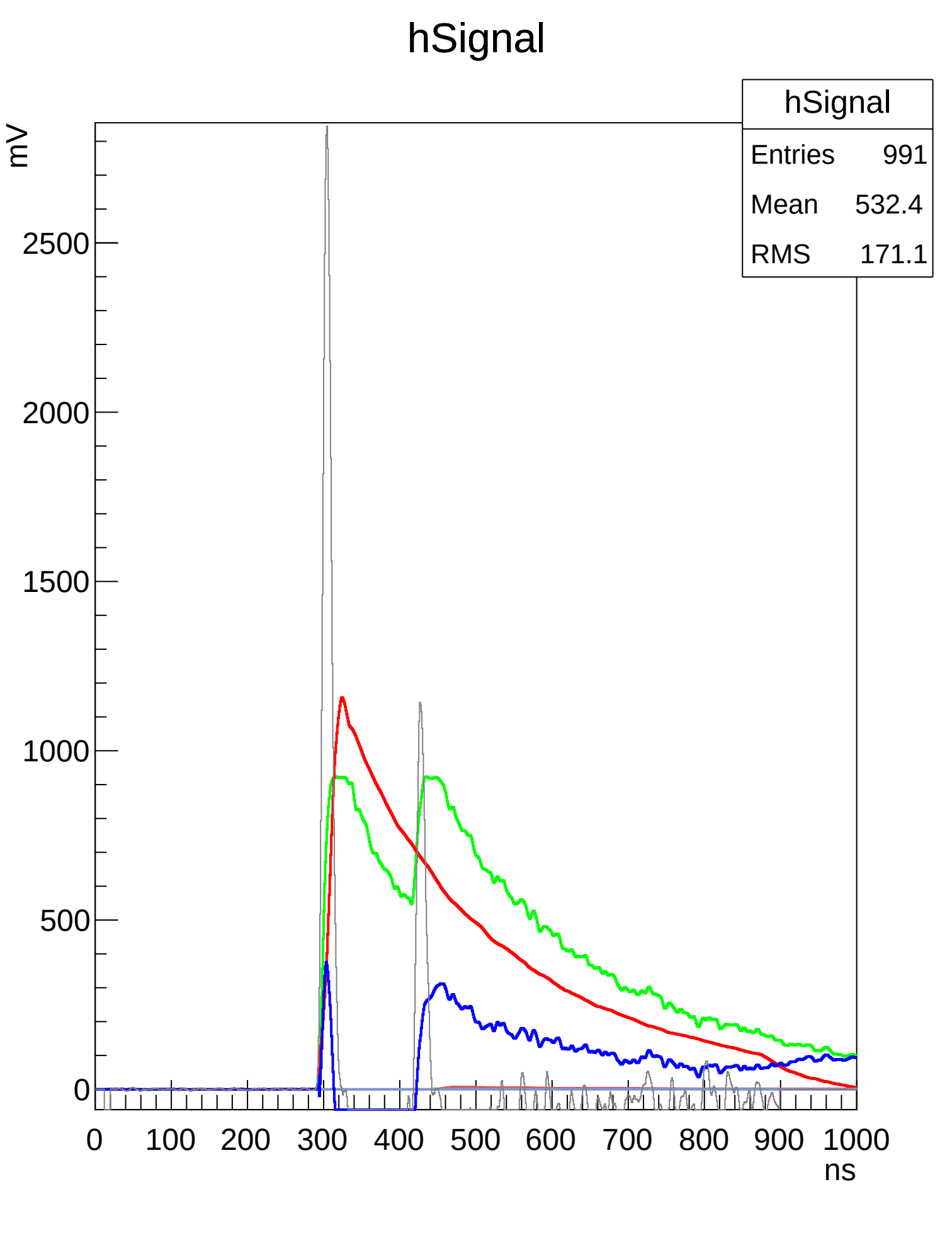

hSignal
hSignal
Entries 991
Mean 613.3
RMS 149.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

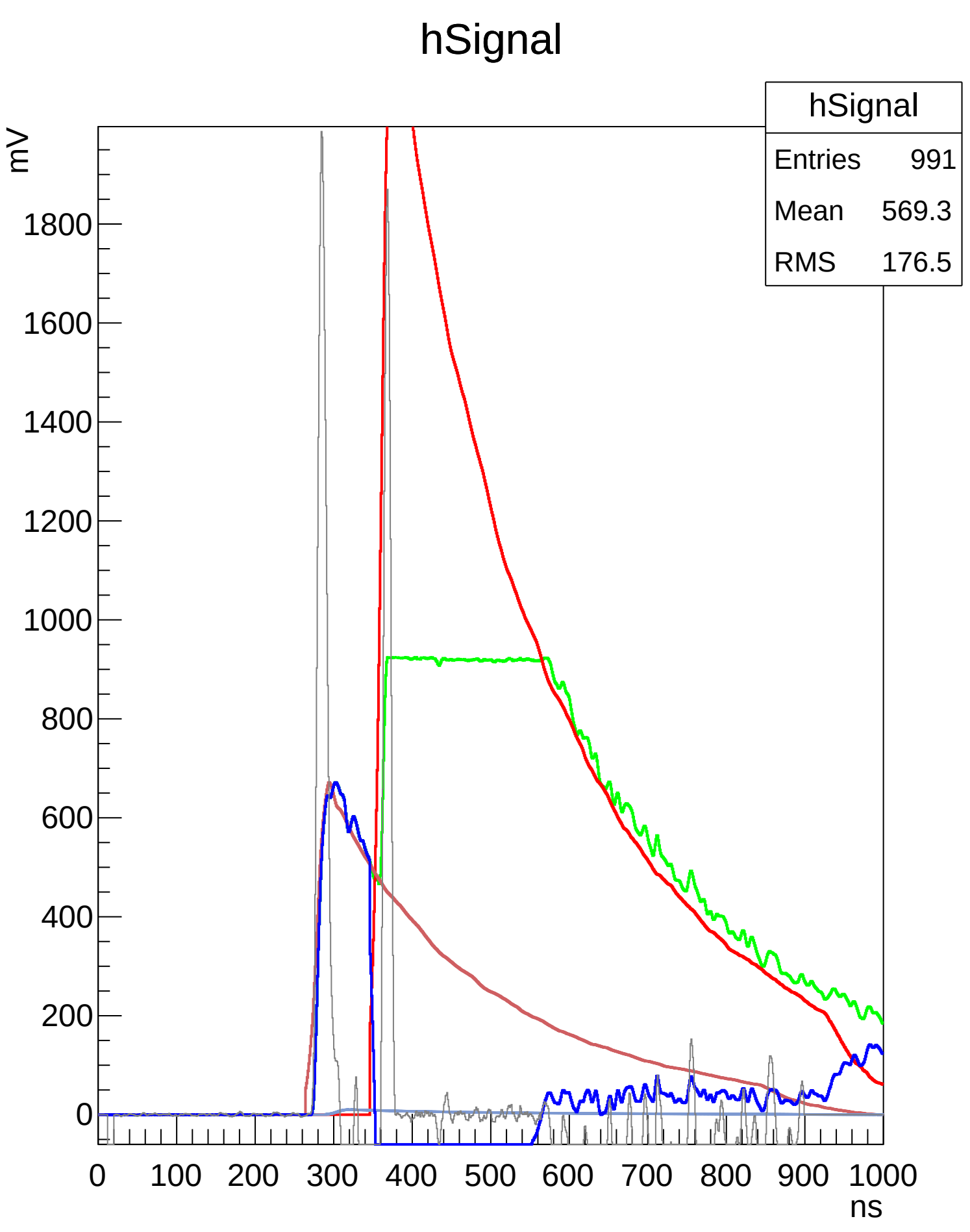

hSignal
hSignal
Entries 991
Mean 541.2
RMS 163.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

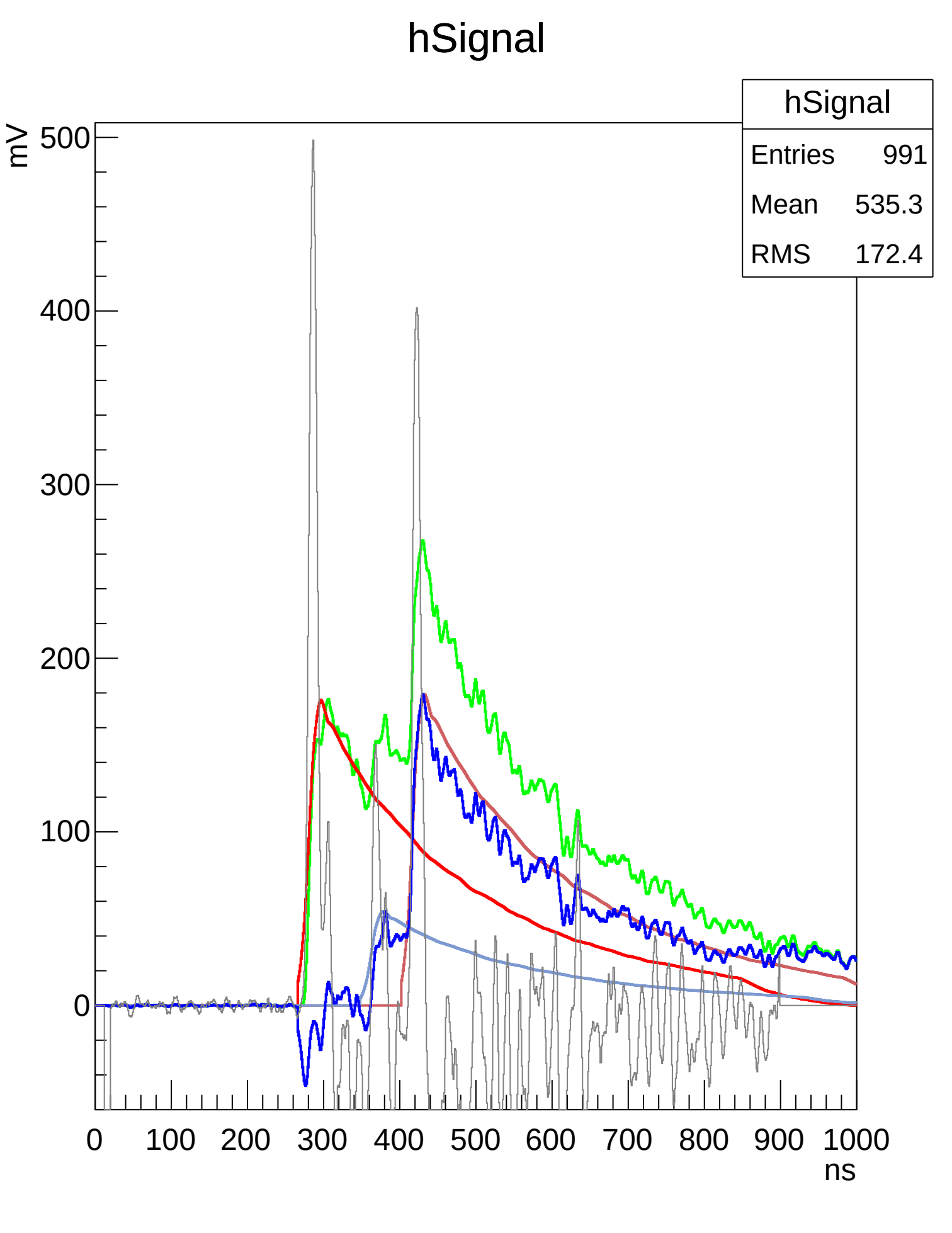

hSignal
hSignal
Entries 991
Mean 589.5
RMS 154.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

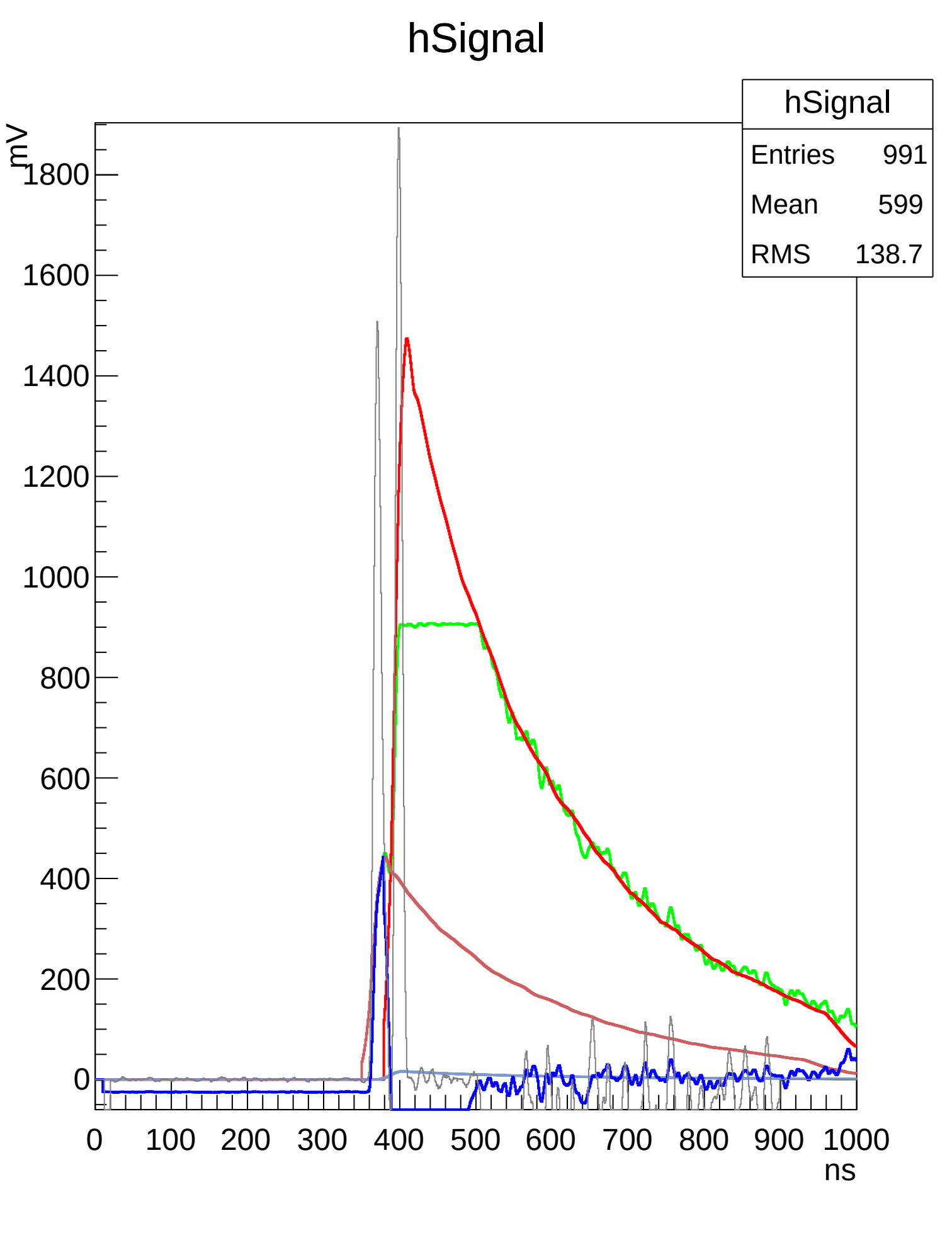

hSignal
hSignal
Entries 991
Mean 563.7
RMS 164.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

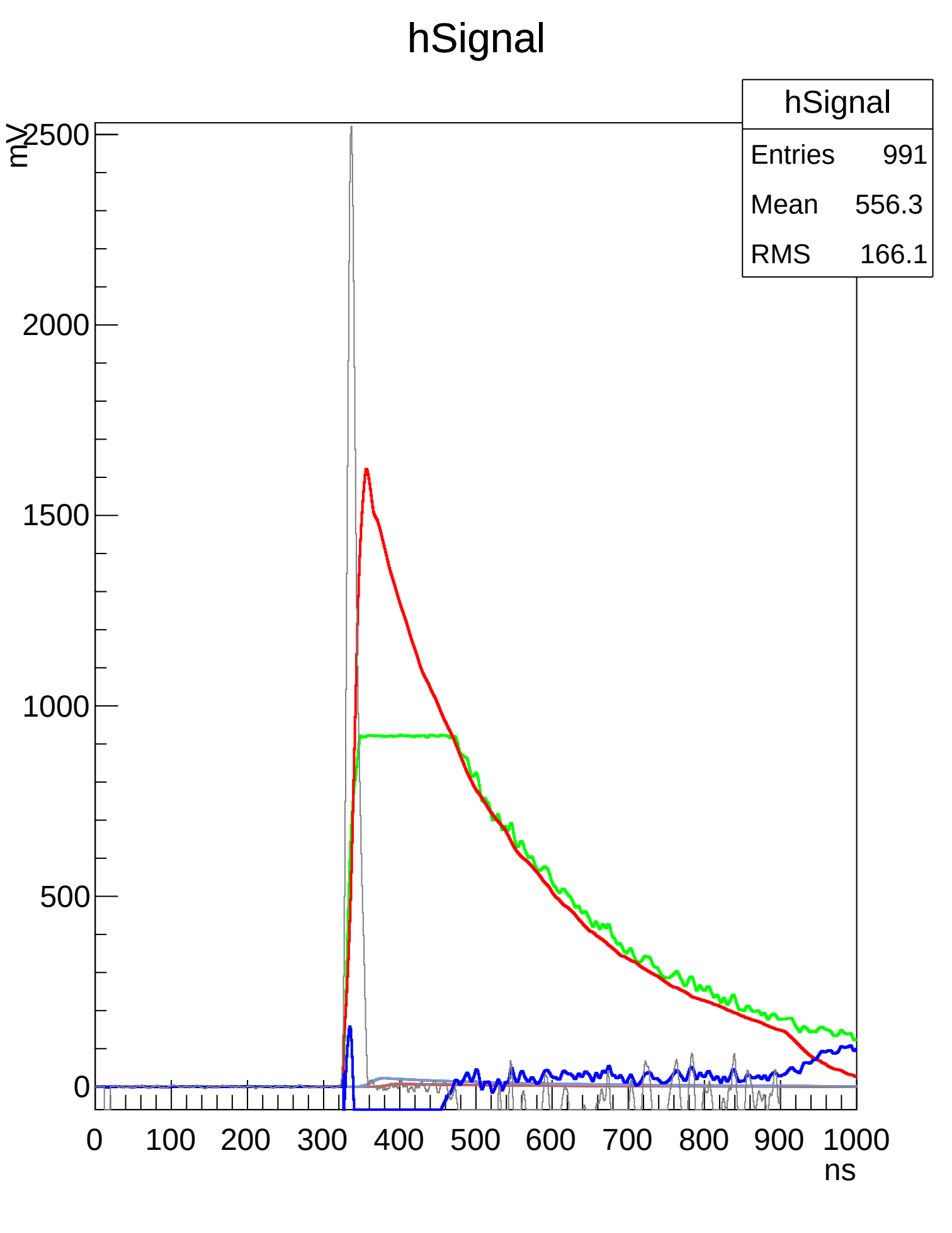

hSignal
hSignal
Entries 991
Mean 614.4
RMS 146.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

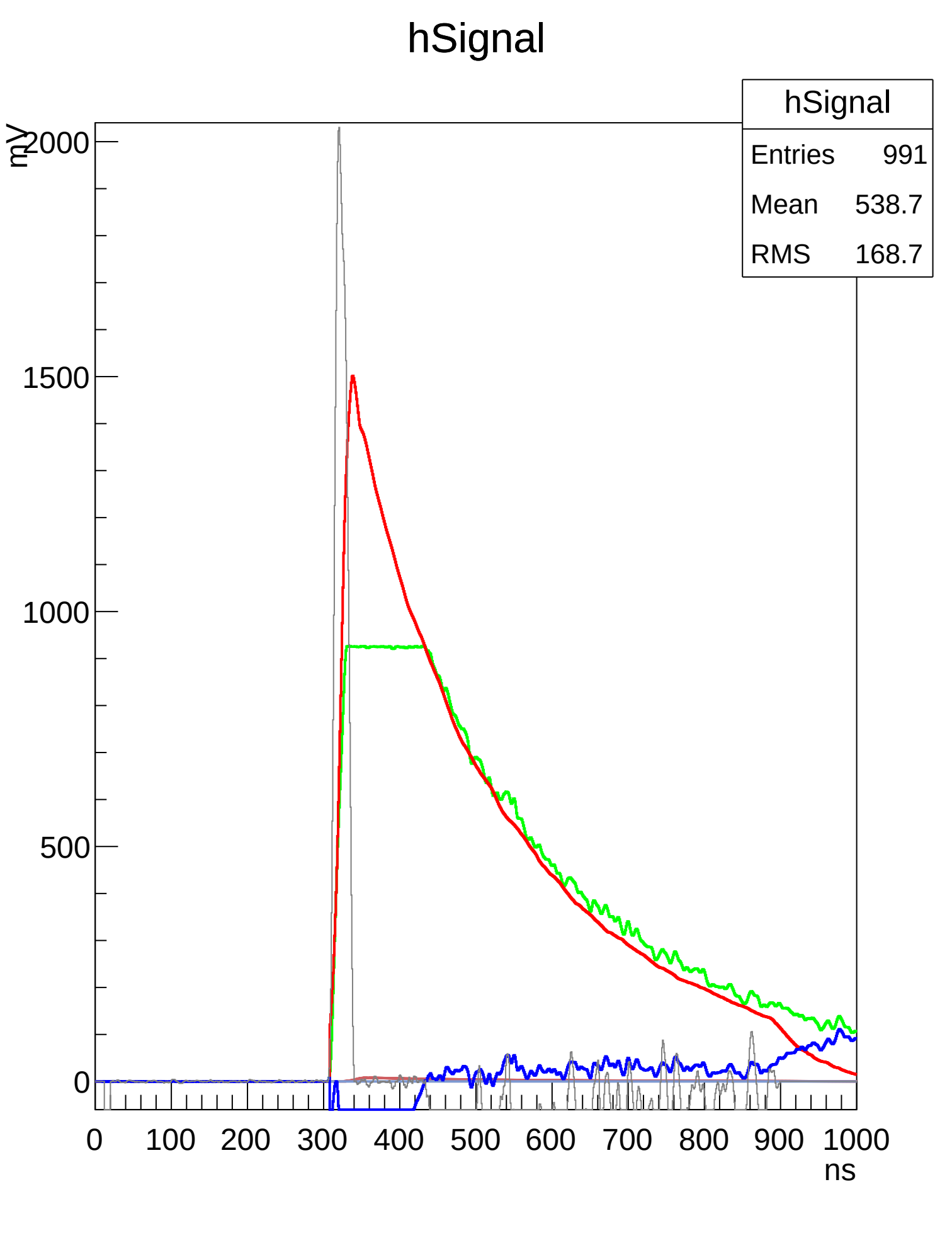

hSignal
hSignal
Entries 991
Mean 532.4
RMS 171.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

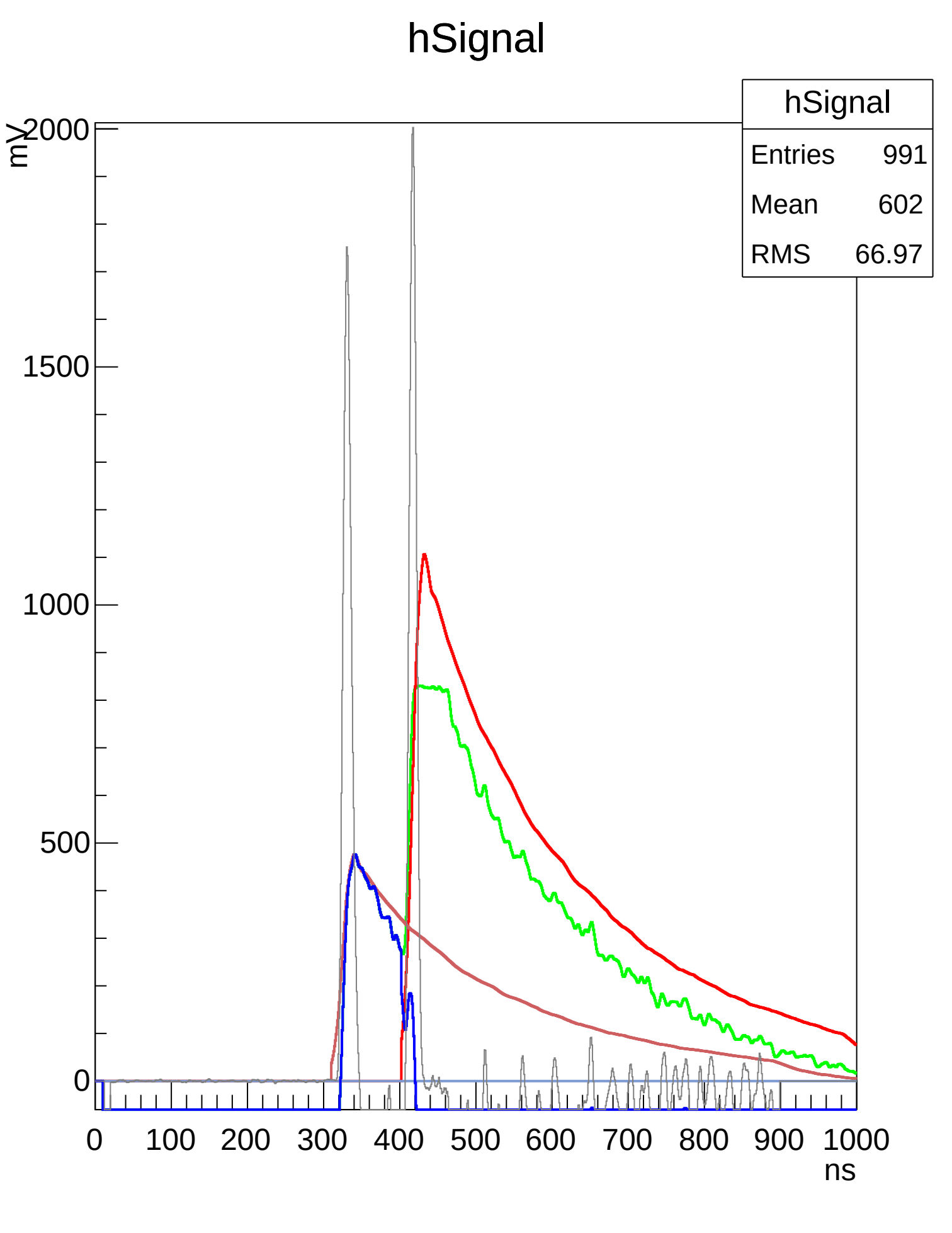

hSignal
hSignal
Entries 991
Mean 569.3
RMS 176.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

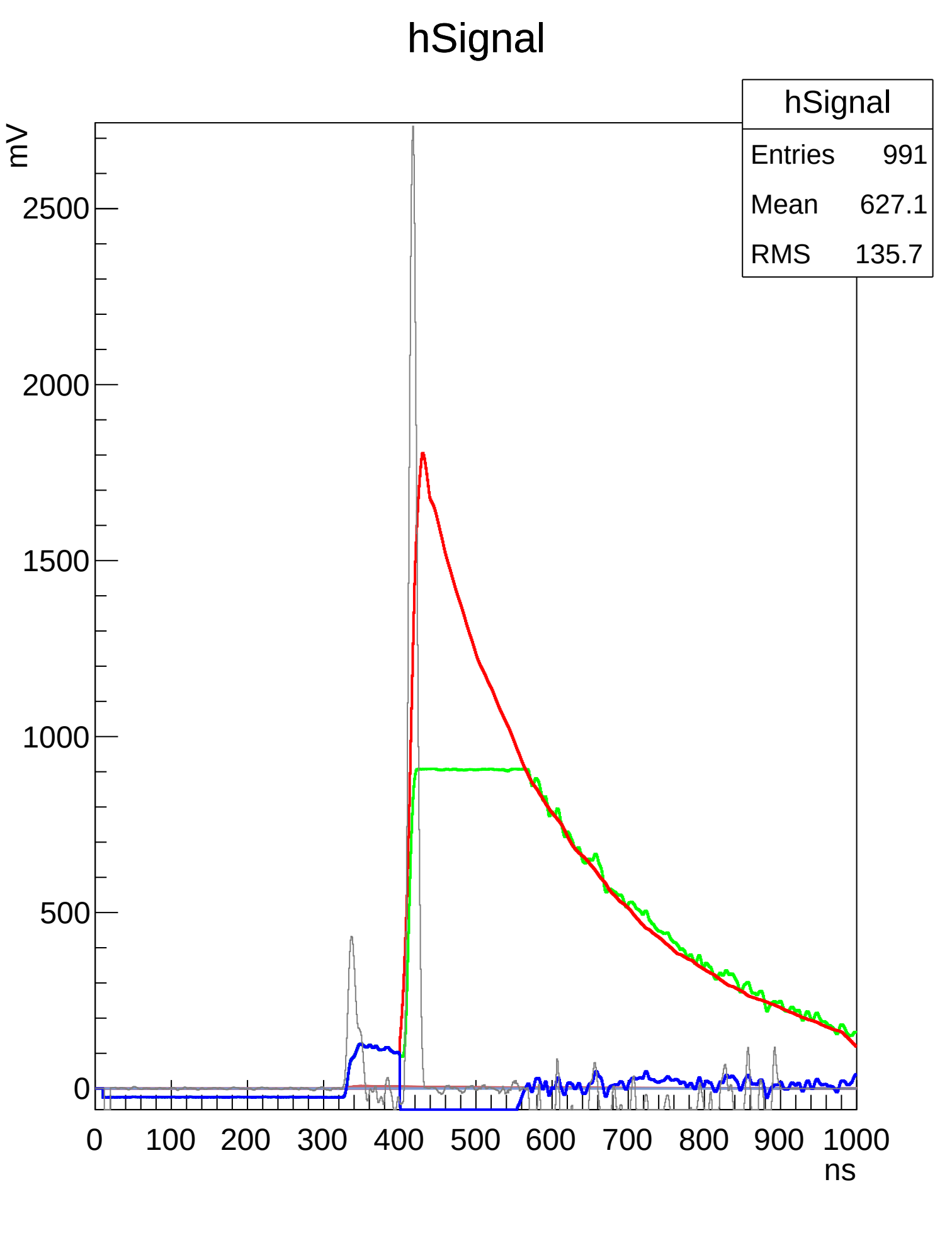

hSignal
hSignal
Entries 991
Mean 535.3
RMS 172.4
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

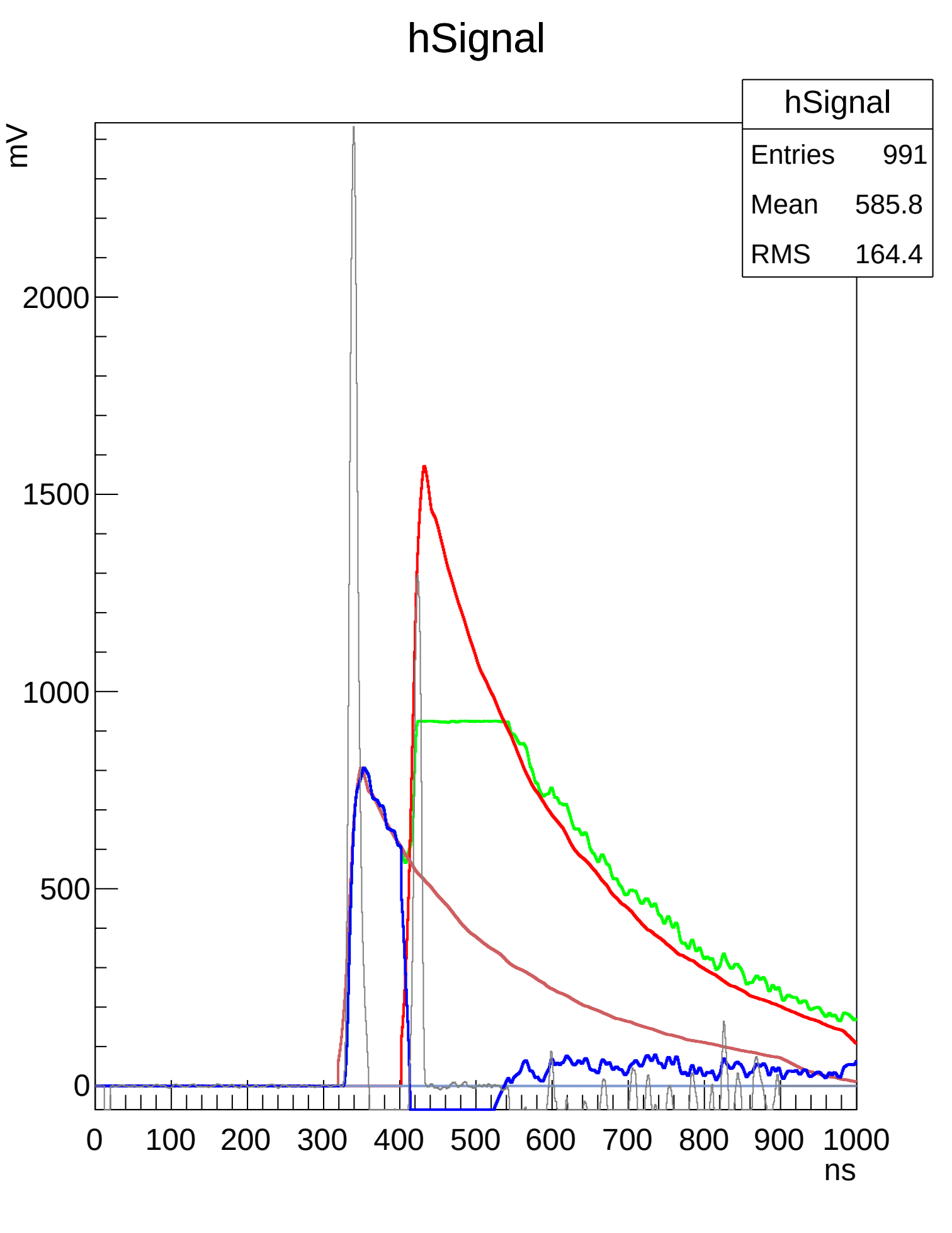

hSignal
hSignal
Entries 991
Mean 599
RMS 138.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

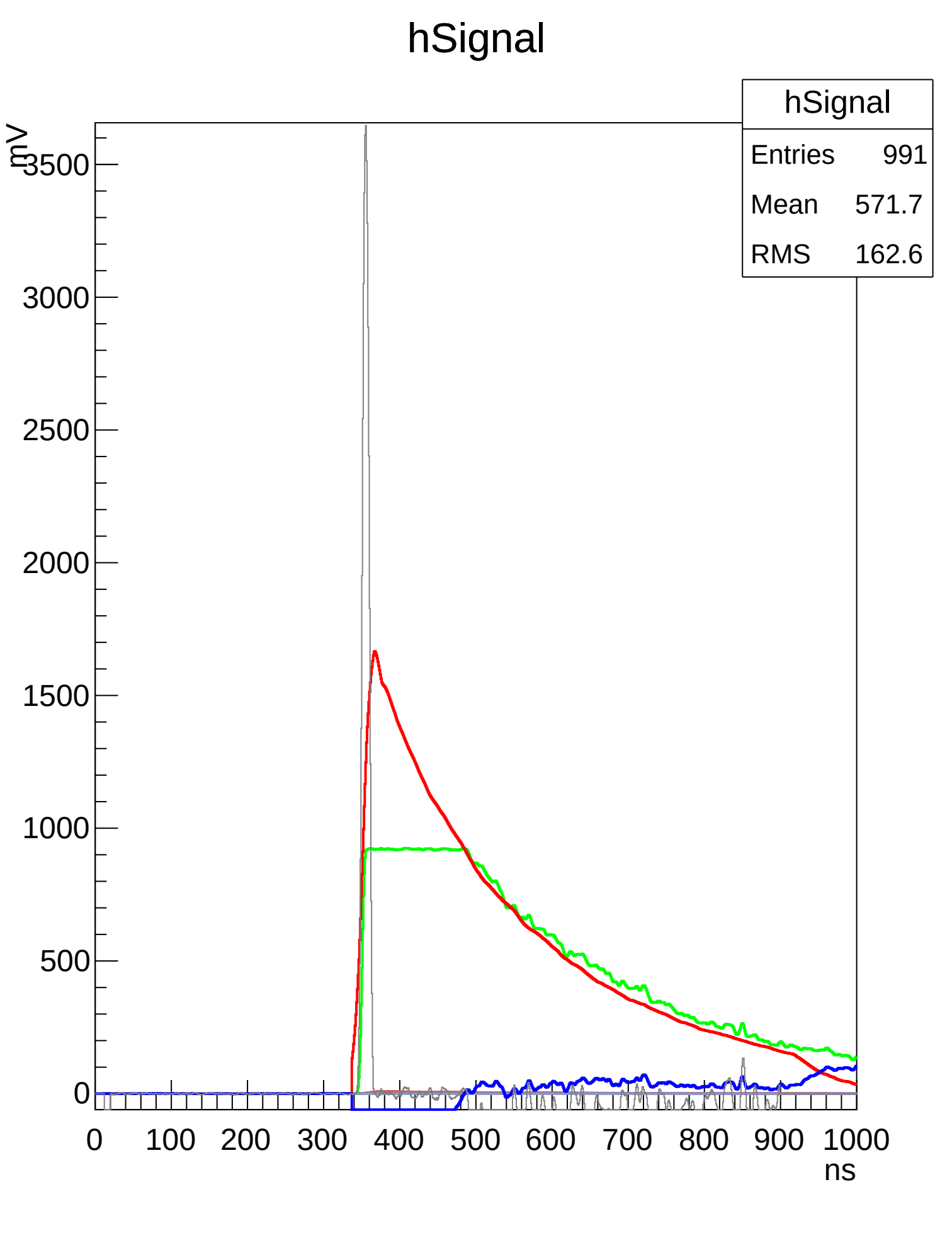

hSignal
hSignal
Entries 991
Mean 556.3
RMS 166.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

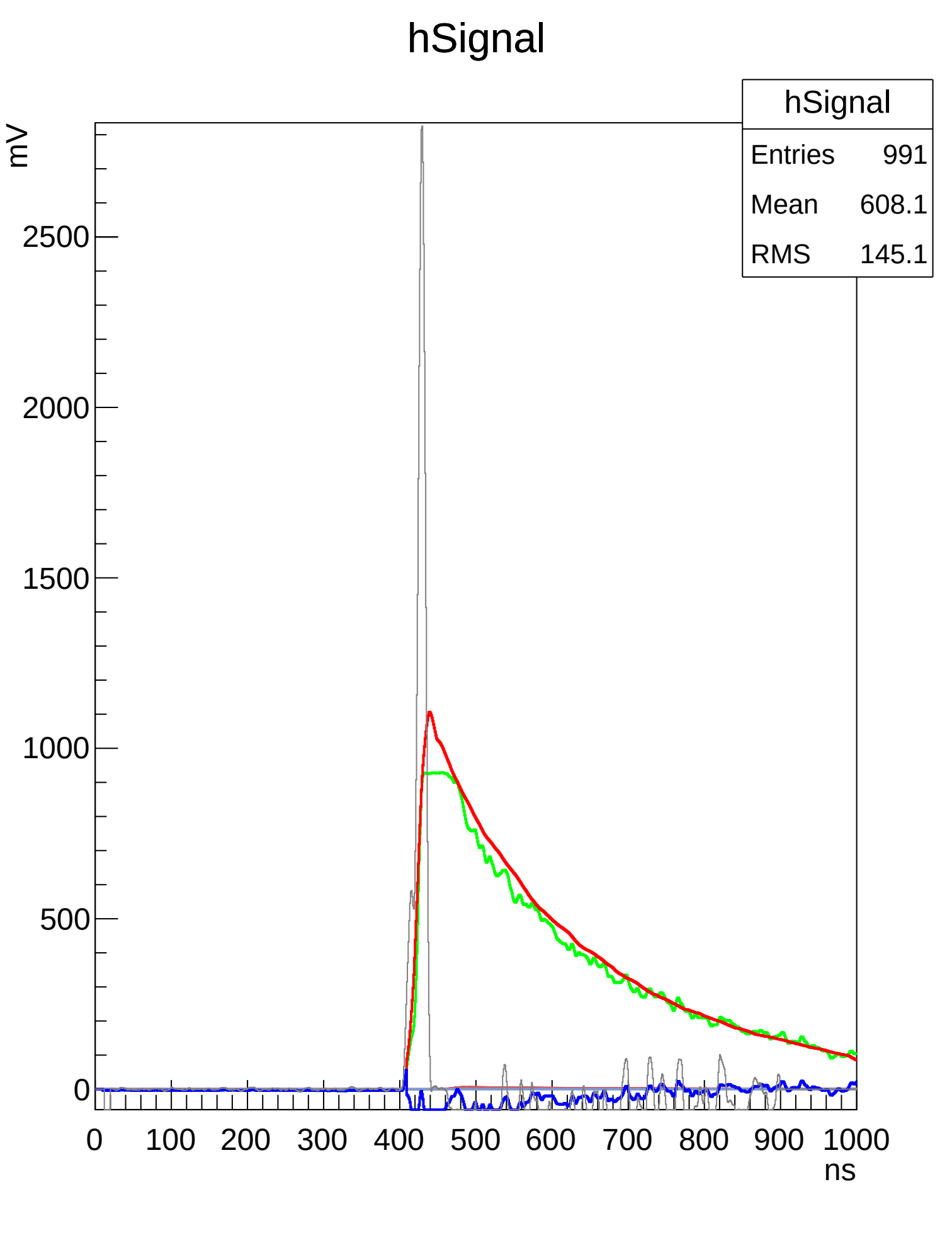

hSignal
hSignal
Entries 991
Mean 538.7
RMS 168.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

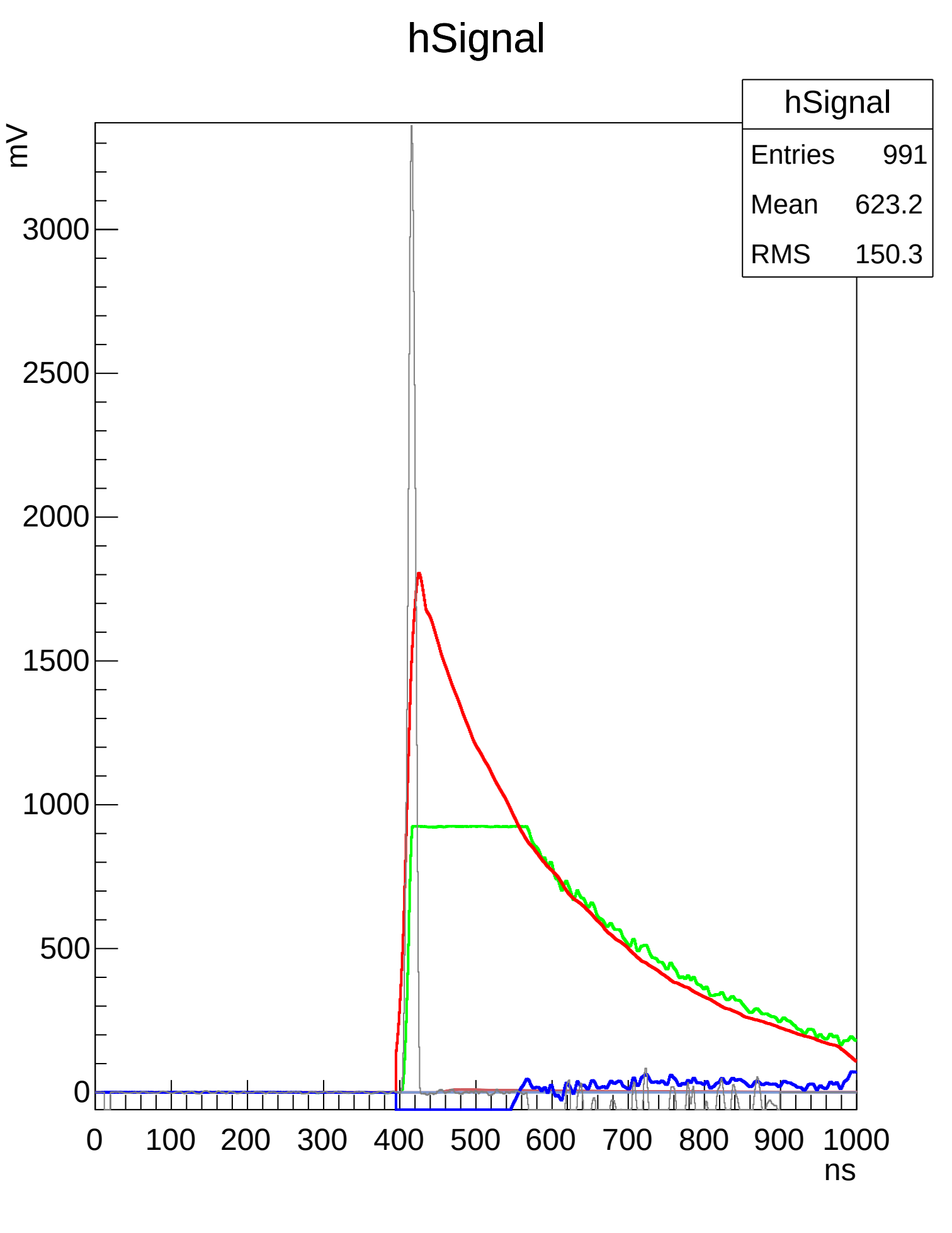

hSignal
hSignal
Entries 991
Mean 602
RMS 66.97
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

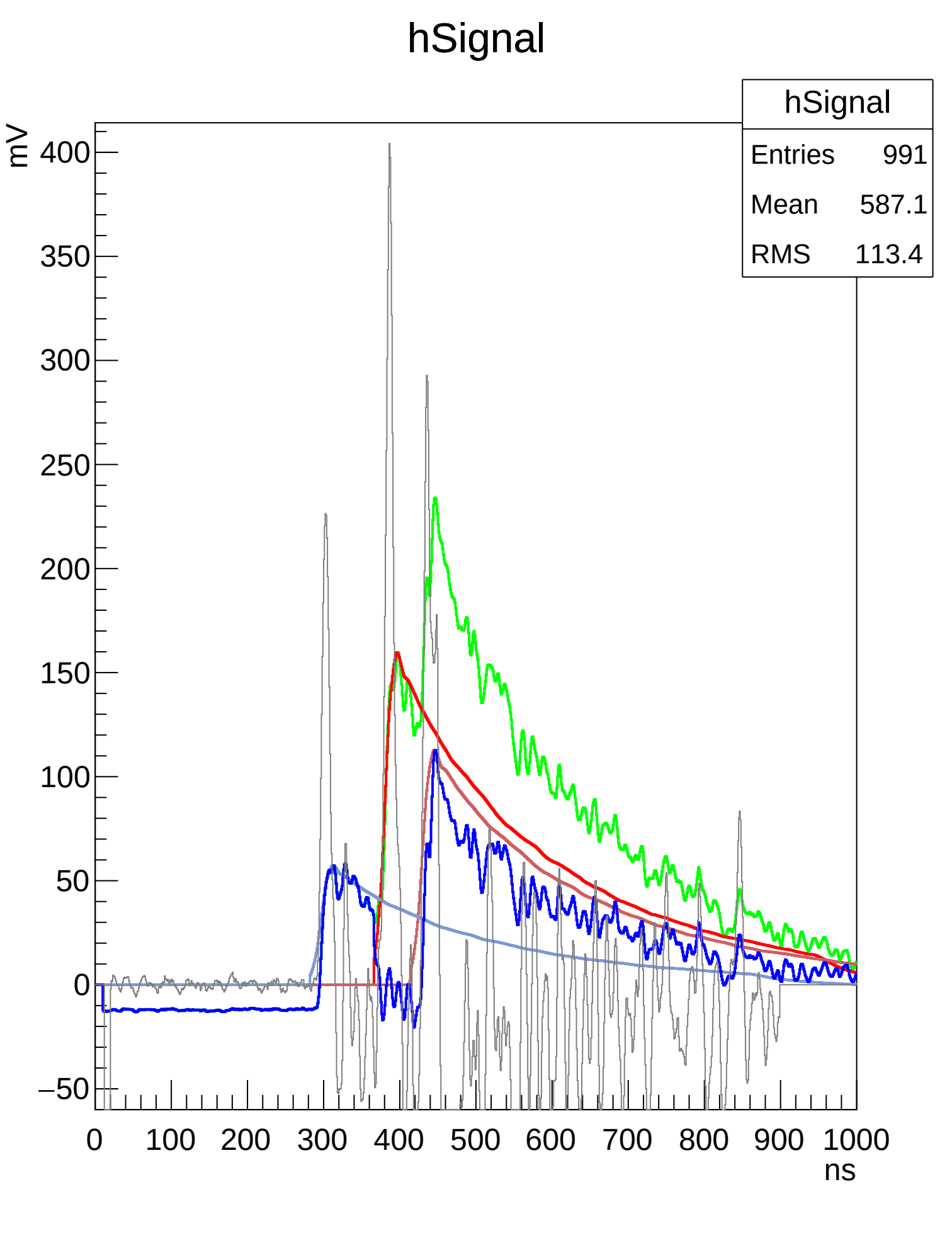

hSignal
hSignal
Entries 991
Mean 627.1
RMS 135.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

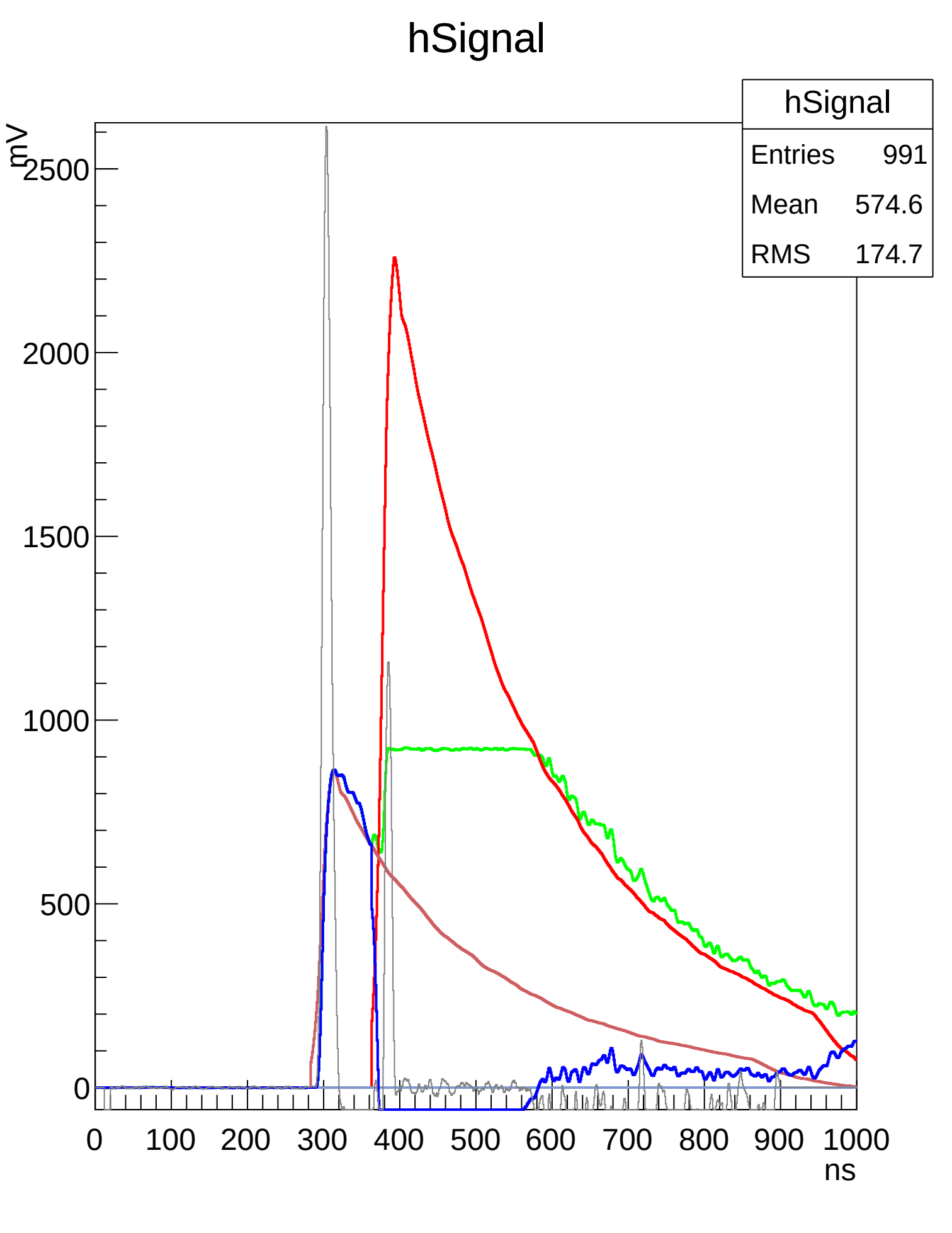

hSignal
hSignal
Entries 991
Mean 585.8
RMS 164.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

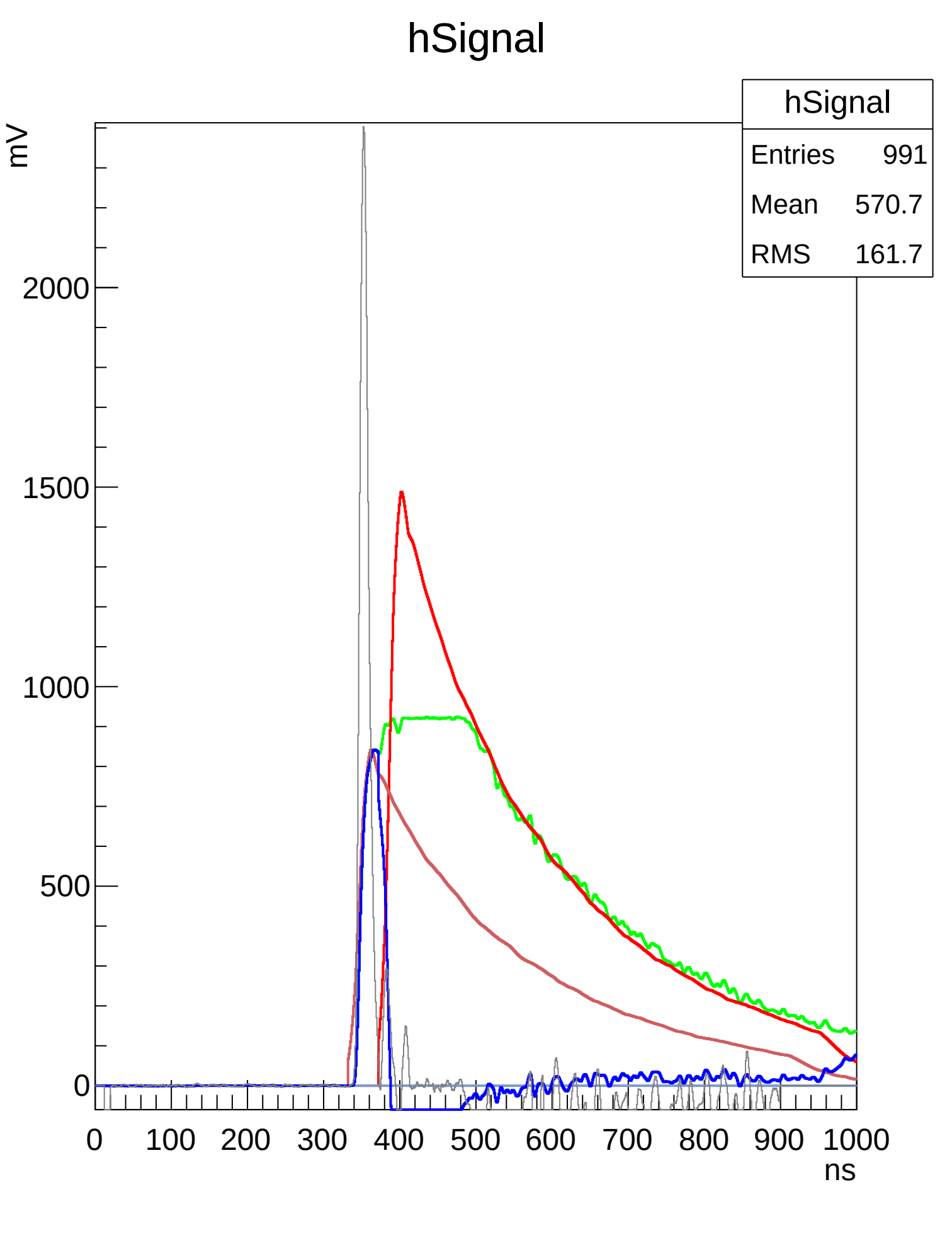

hSignal
hSignal
Entries 991
Mean 571.7
RMS 162.6
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

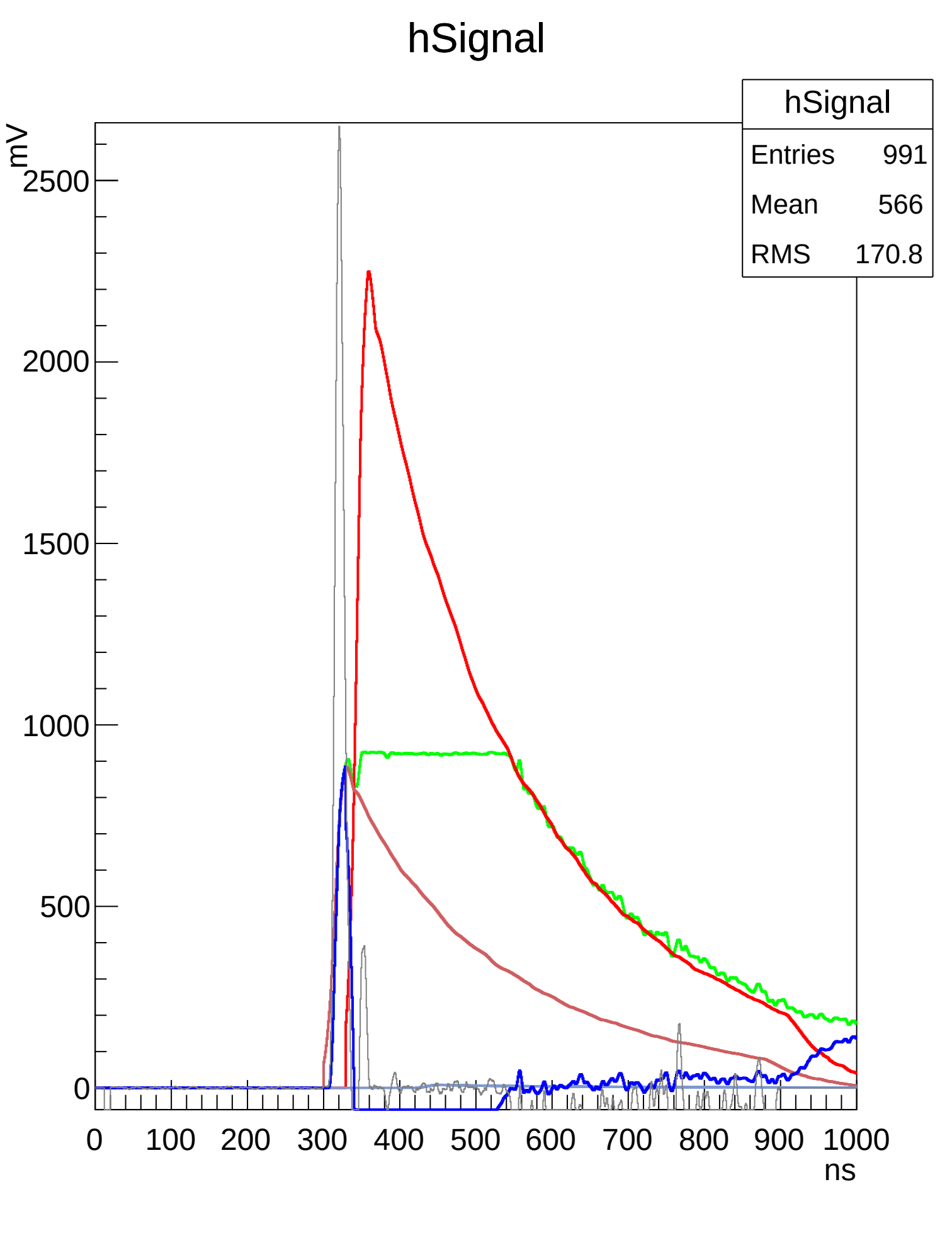

hSignal
hSignal
Entries 991
Mean 608.1
RMS 145.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

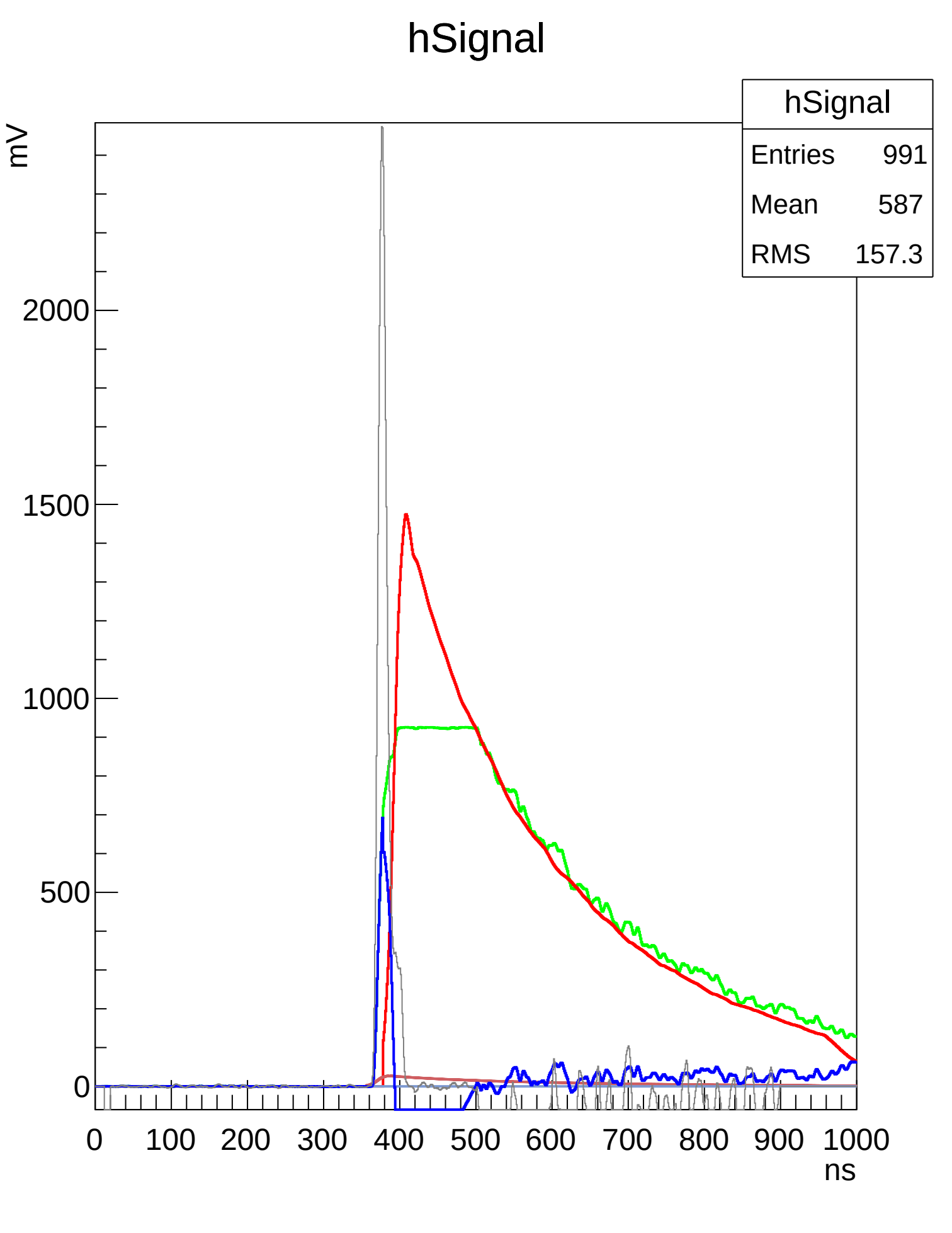

hSignal
hSignal
Entries 991
Mean 623.2
RMS 150.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

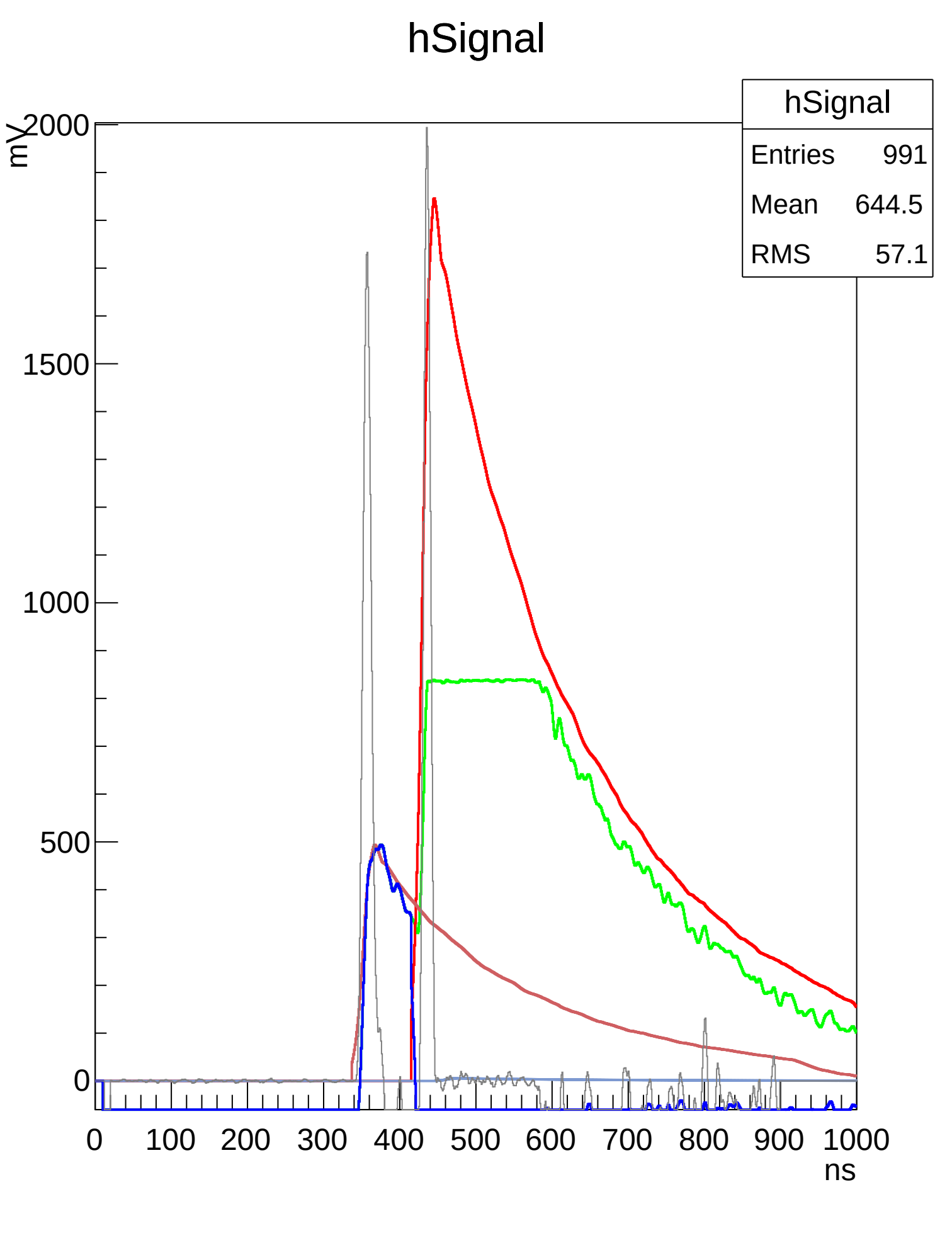

hSignal
hSignal
Entries 991
Mean 587.1
RMS 113.4
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

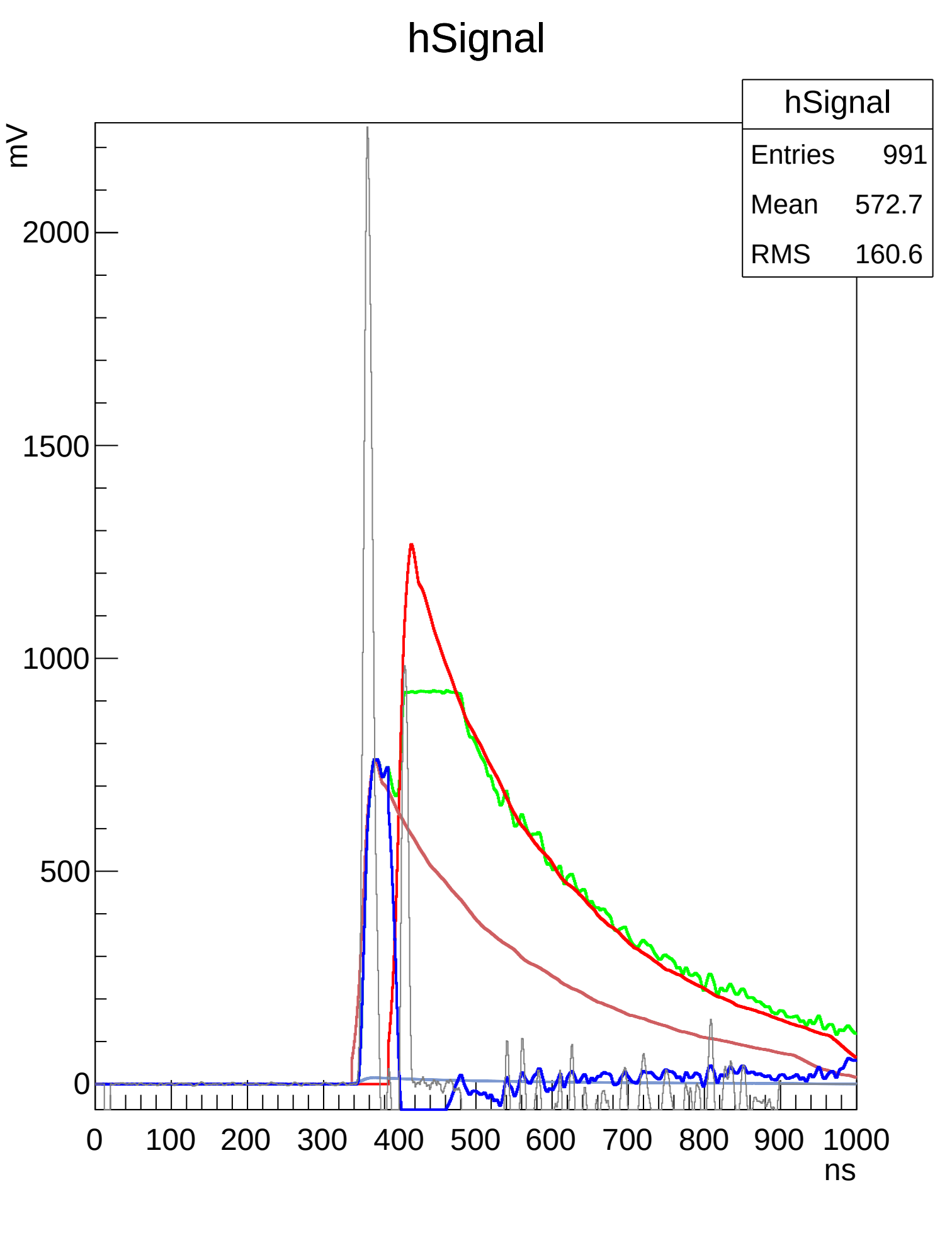

hSignal
hSignal
Entries 991
Mean 574.6
RMS 174.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

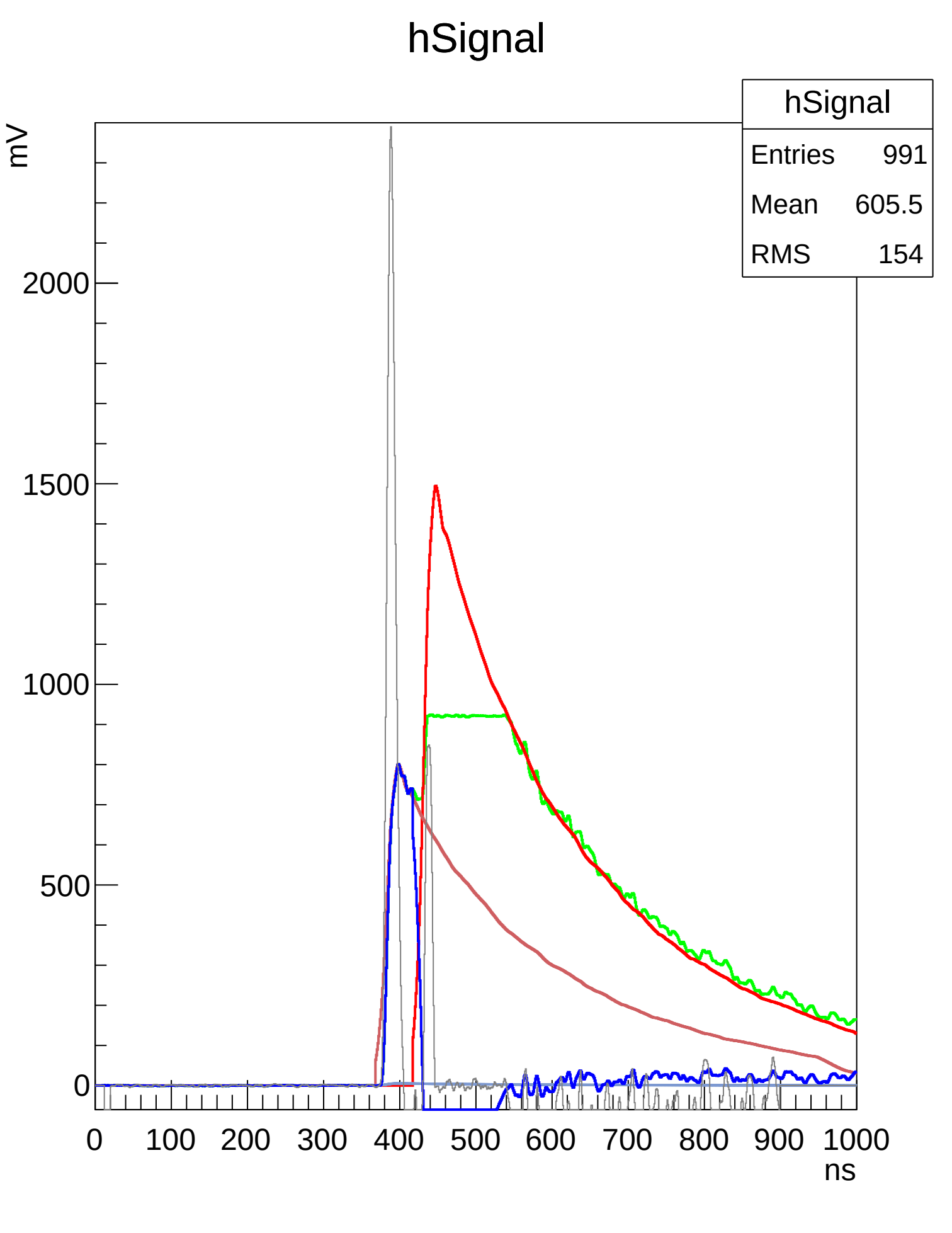

hSignal
hSignal
Entries 991
Mean 570.7
RMS 161.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

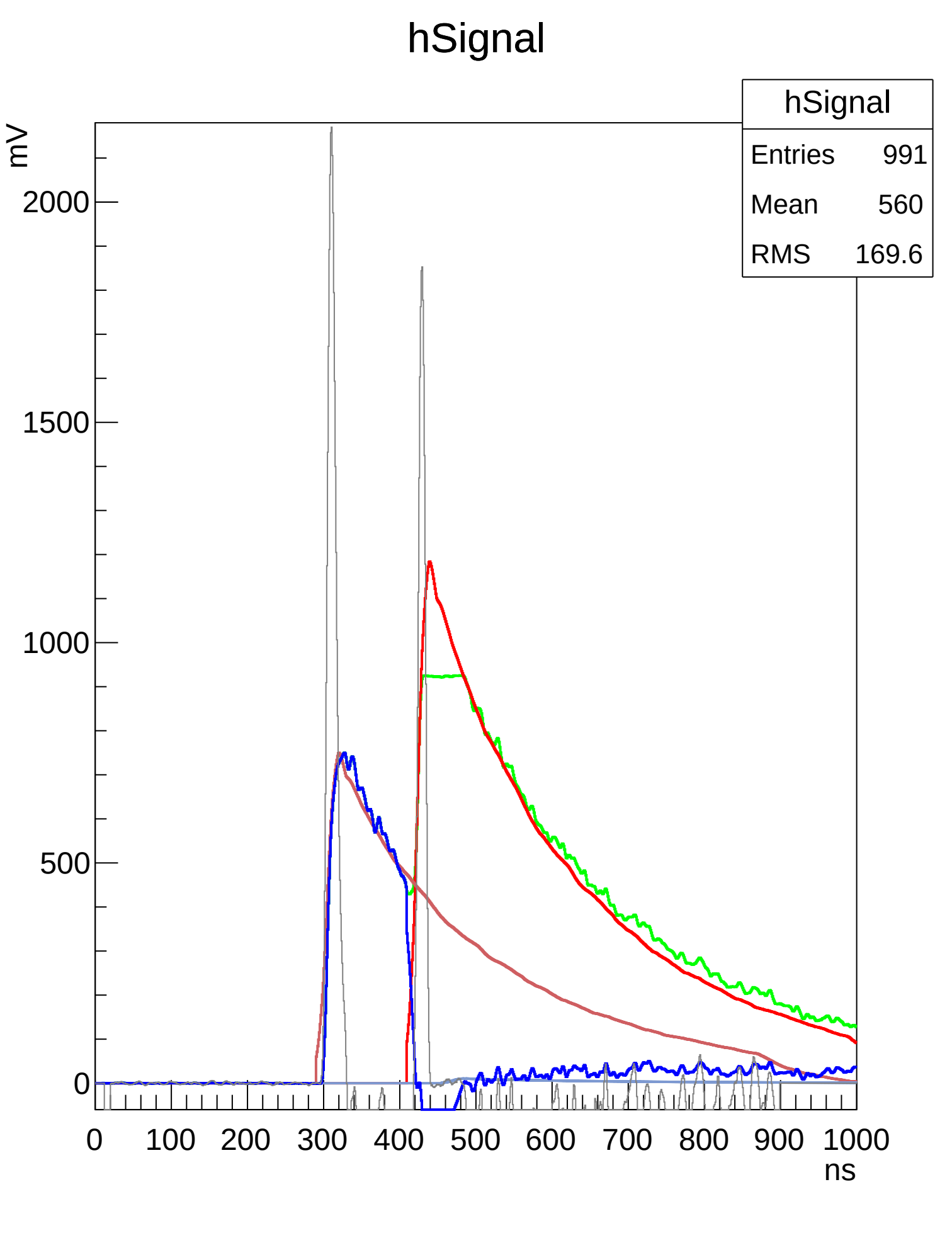

hSignal
hSignal
Entries 991
Mean 566
RMS 170.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

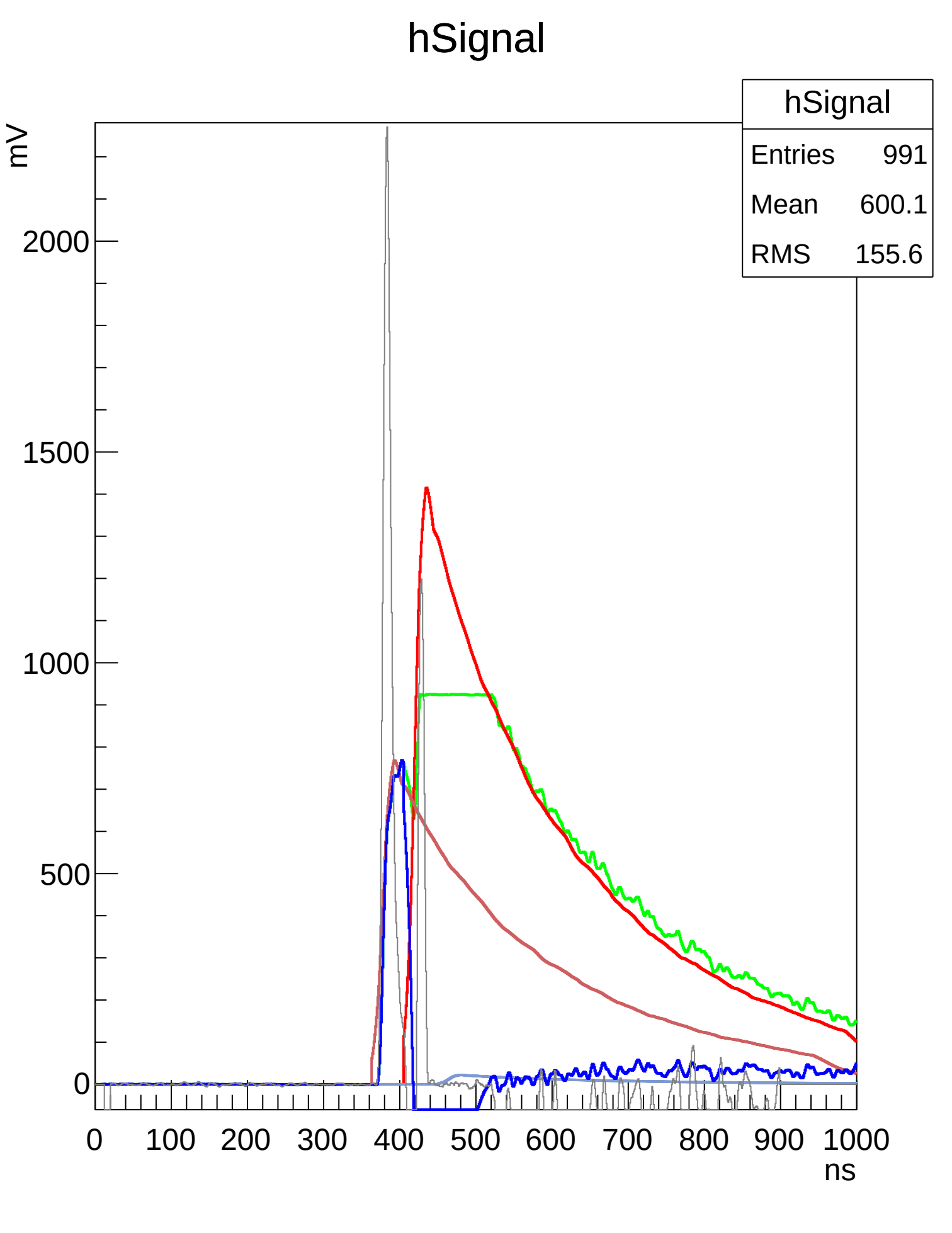

hSignal
hSignal
Entries 991
Mean 587
RMS 157.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

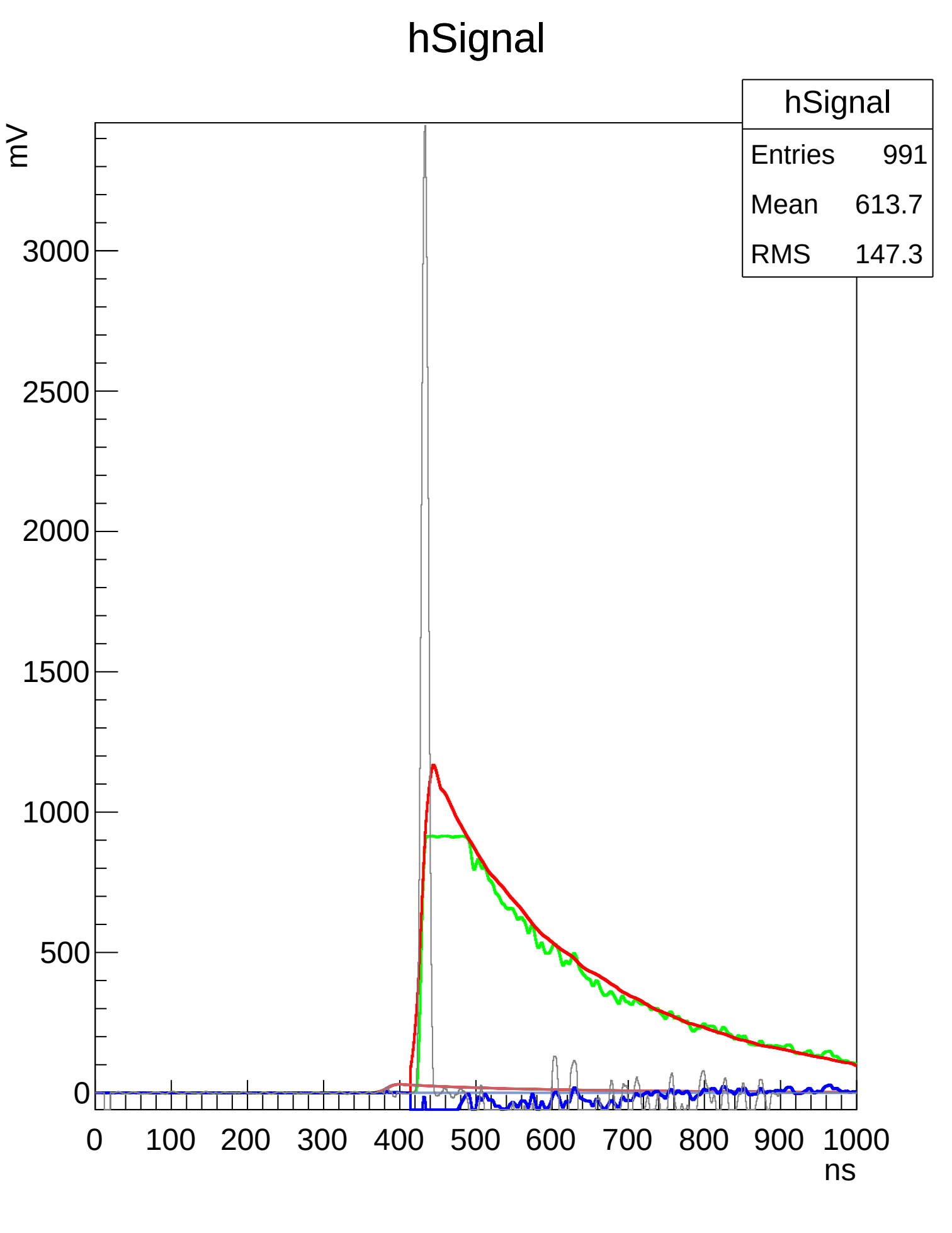

hSignal
hSignal
Entries 991
Mean 644.5
RMS 57.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

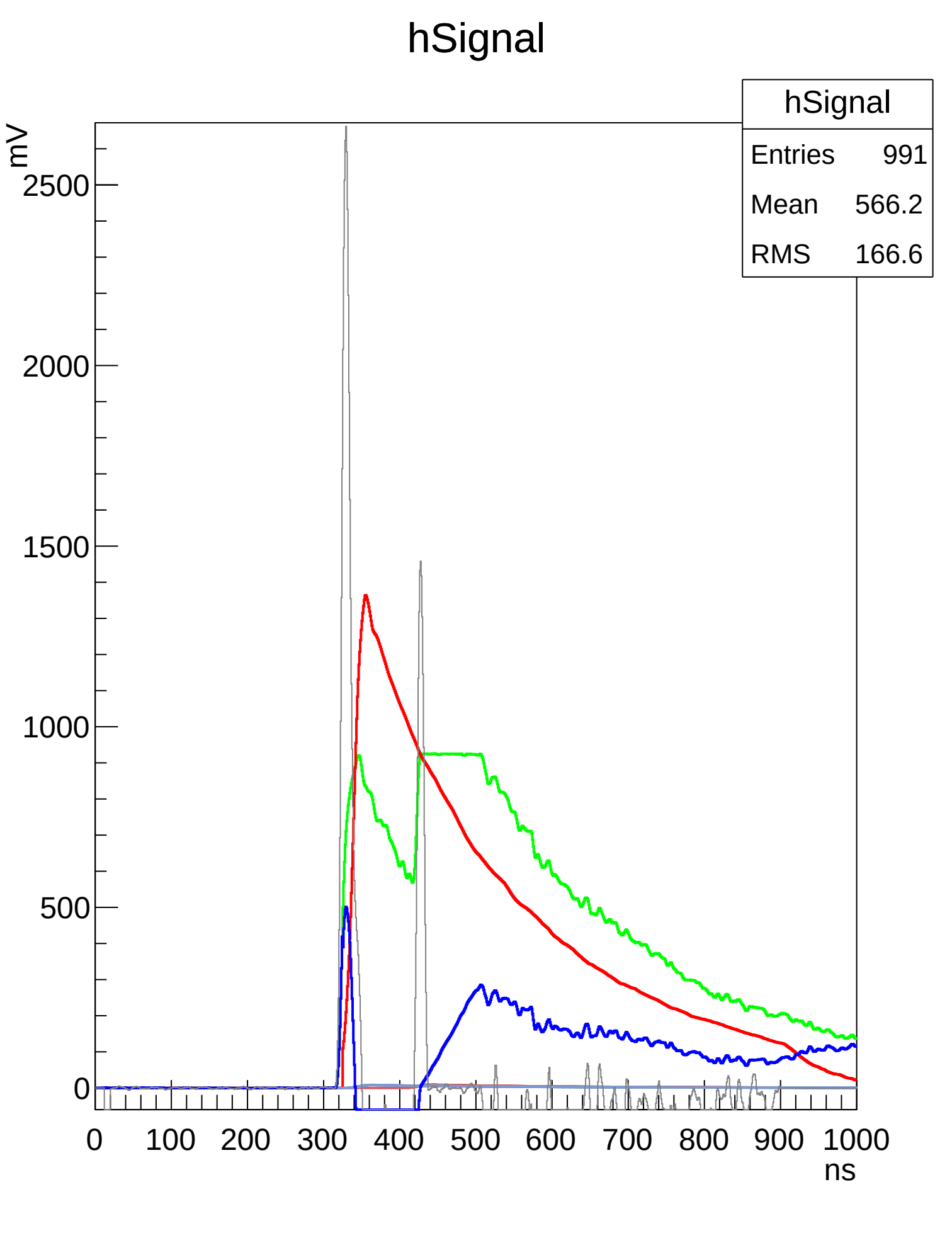

hSignal
hSignal
Entries 991
Mean 572.7
RMS 160.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

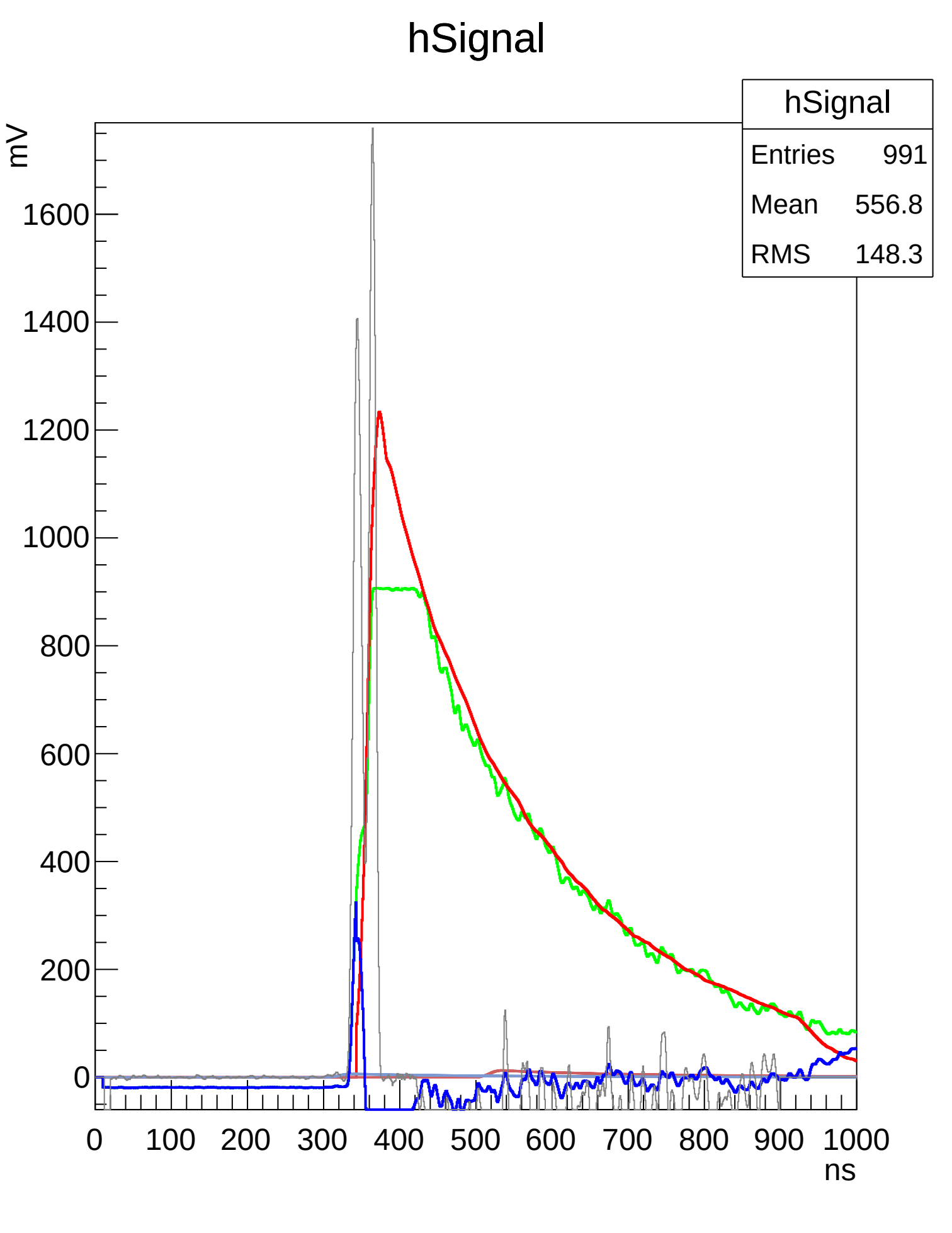

hSignal
hSignal
Entries 991
Mean 605.5
RMS 154
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

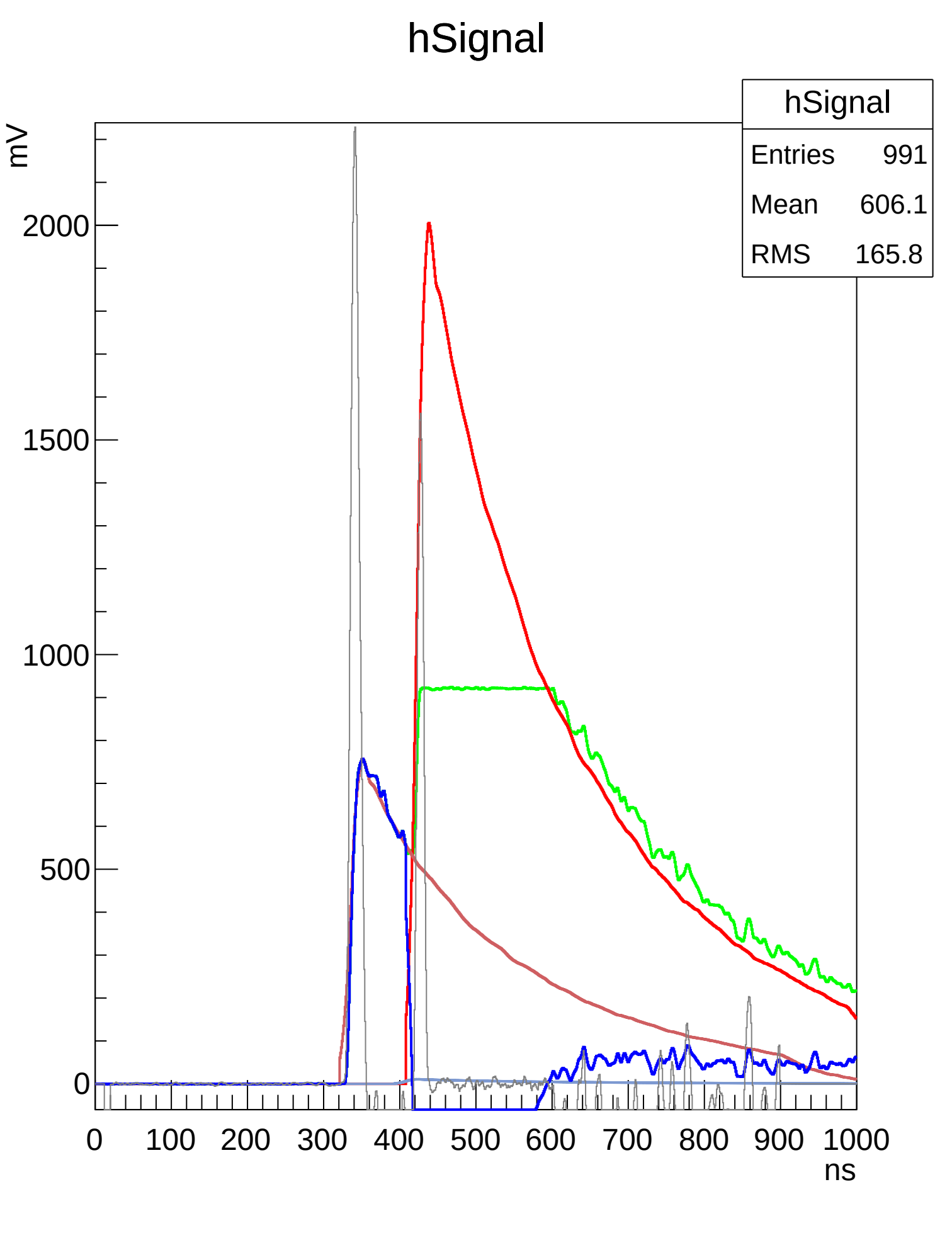

hSignal
hSignal
Entries 991
Mean 560
RMS 169.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

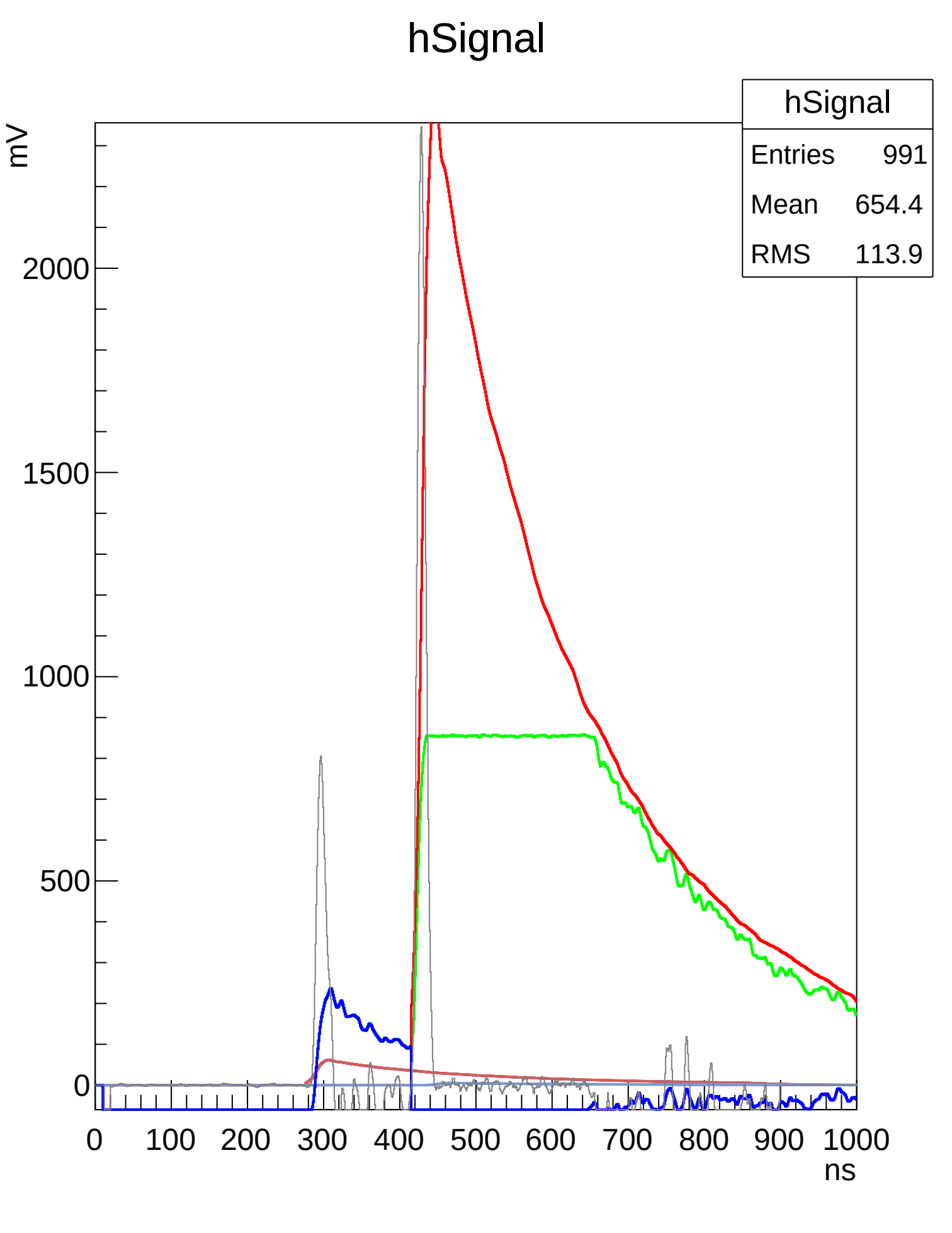

hSignal
hSignal
Entries 991
Mean 600.1
RMS 155.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

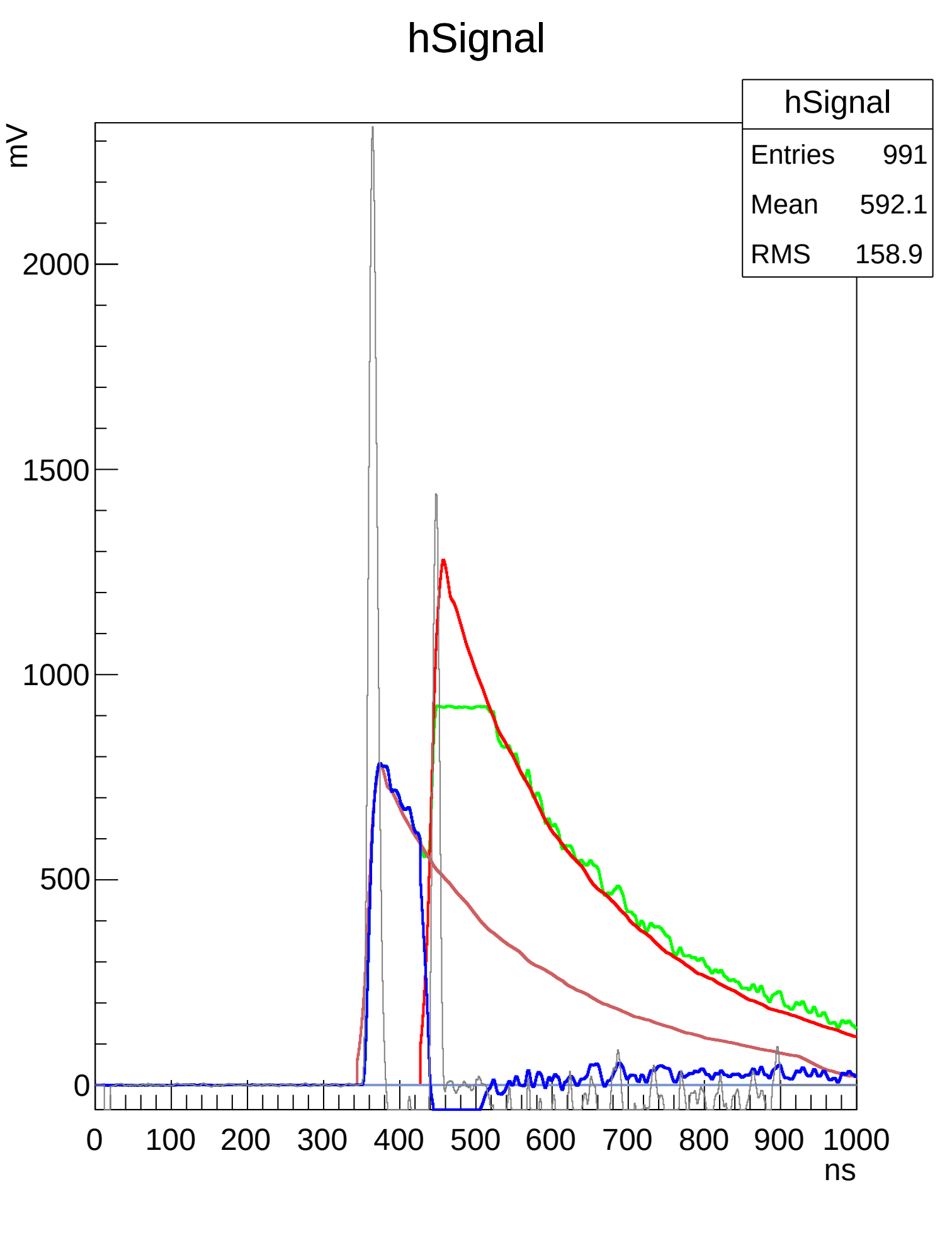

hSignal
hSignal
Entries 991
Mean 613.7
RMS 147.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

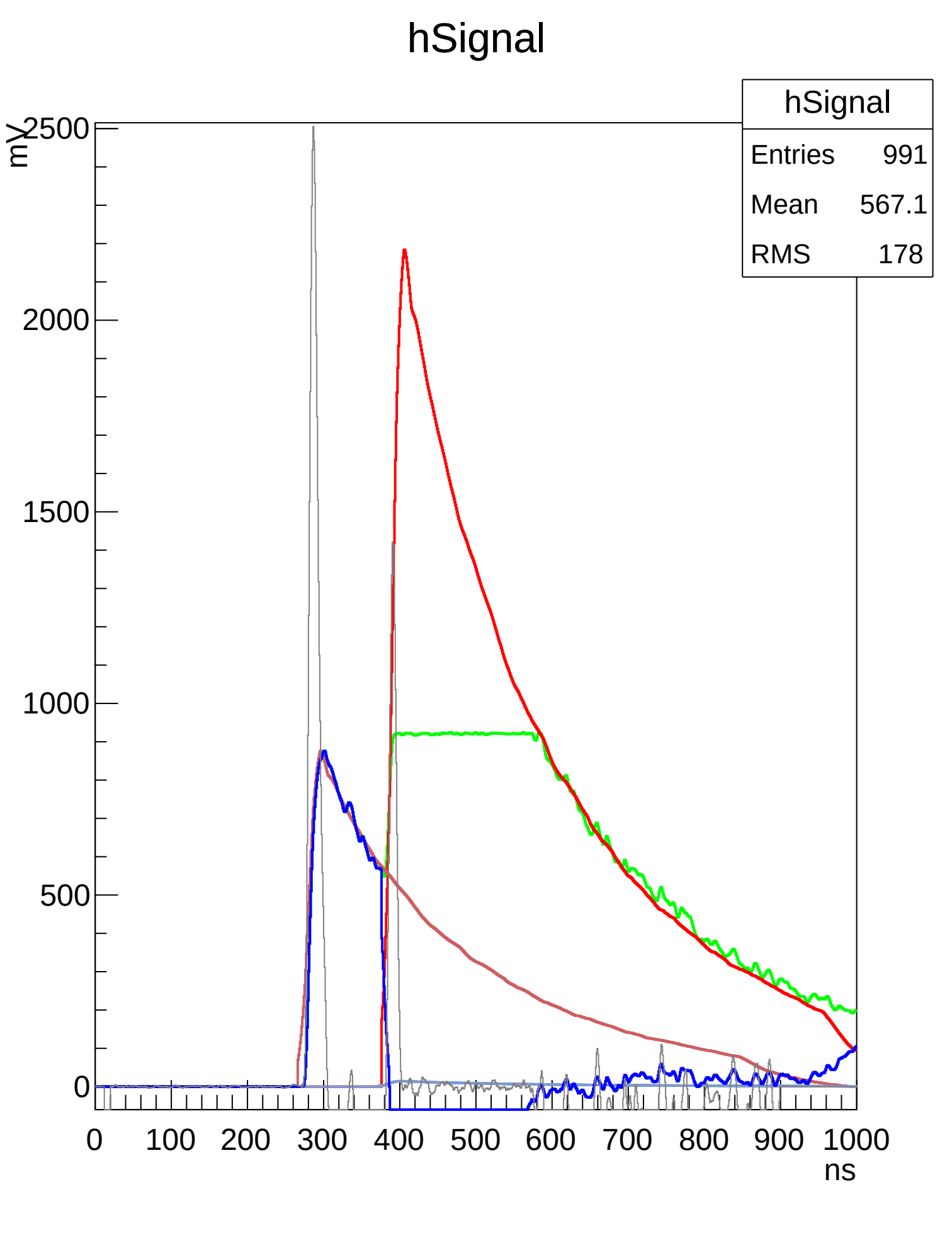

hSignal
hSignal
Entries 991
Mean 566.2
RMS 166.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

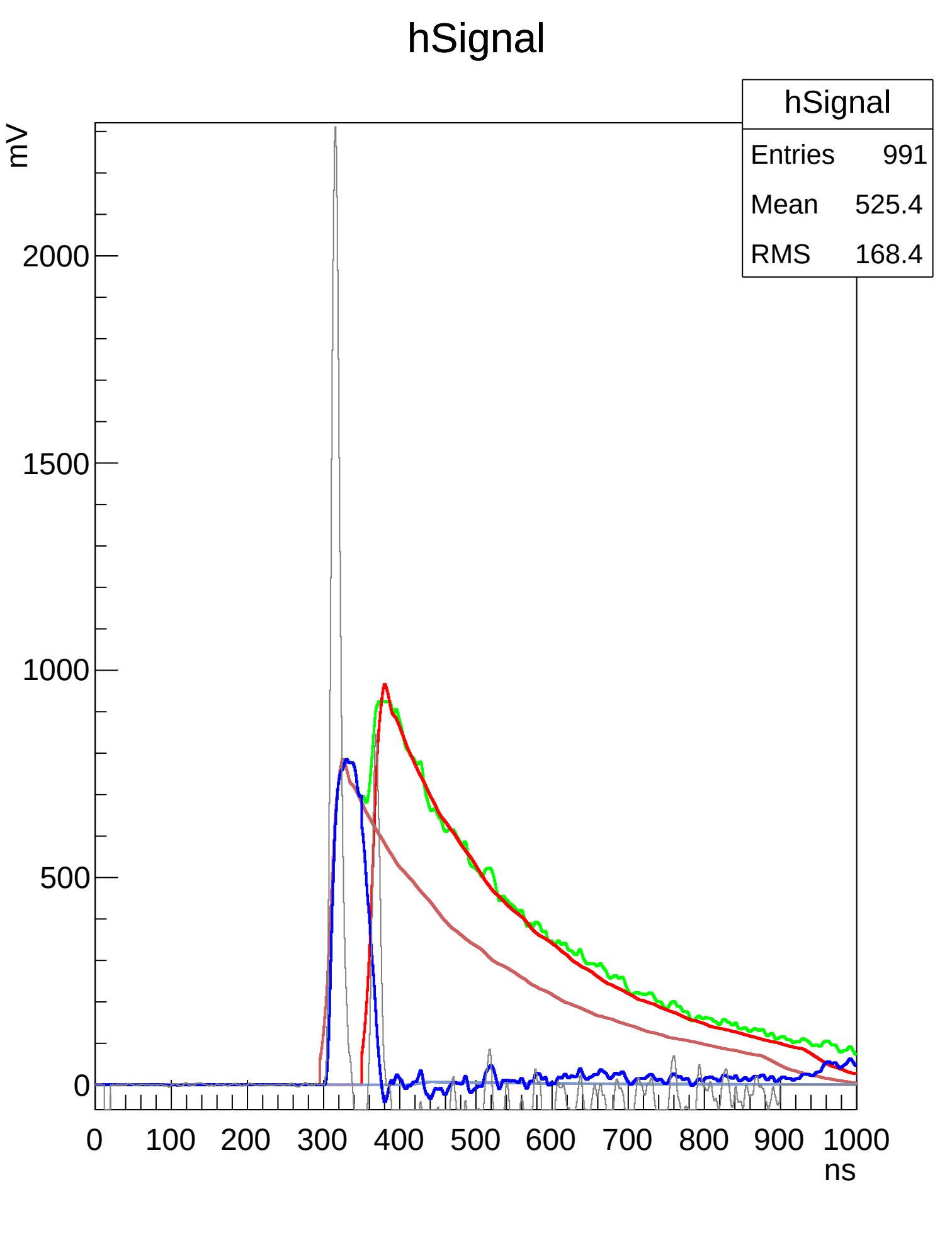

hSignal
hSignal
Entries 991
Mean 556.8
RMS 148.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

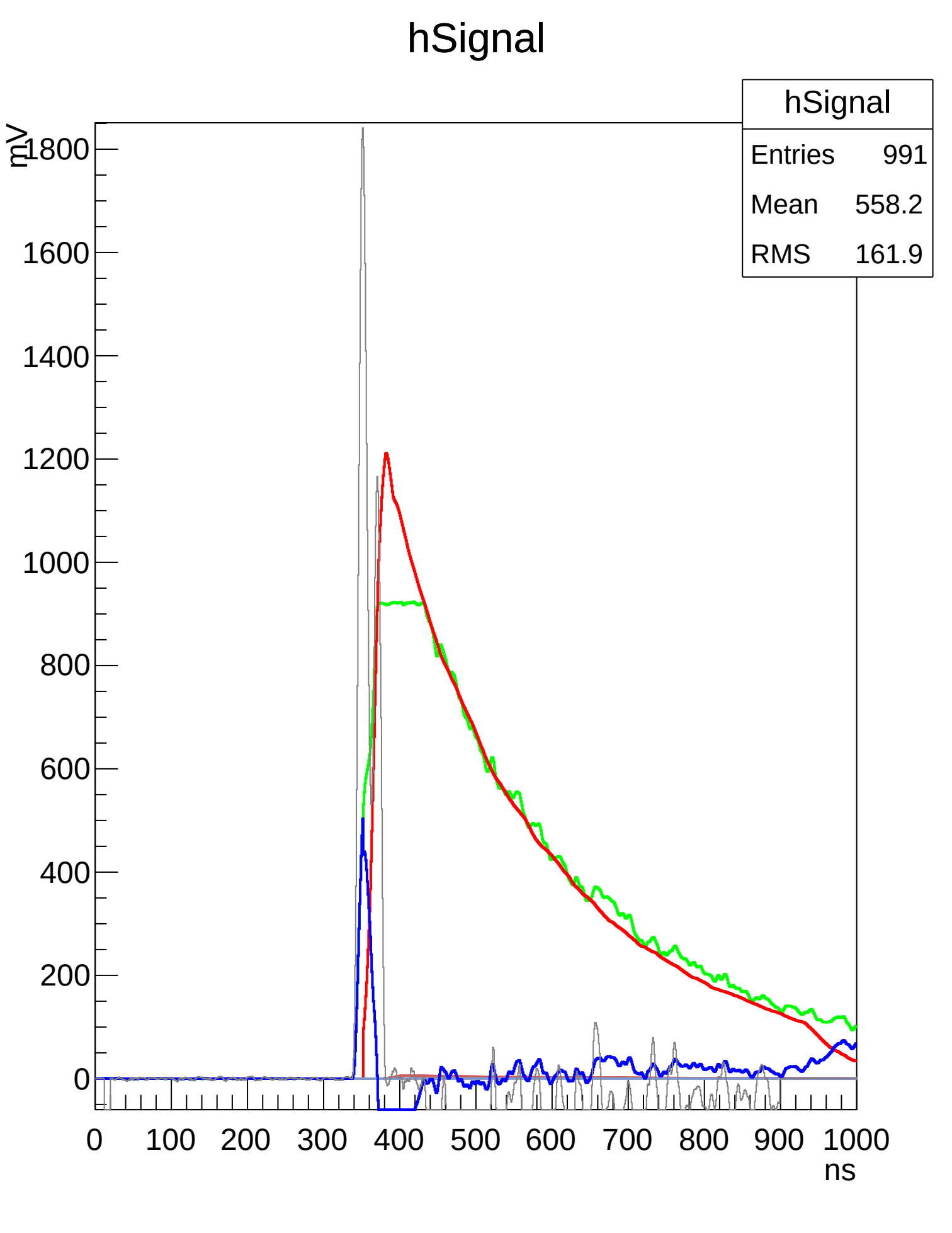

hSignal
hSignal
Entries 991
Mean 606.1
RMS 165.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

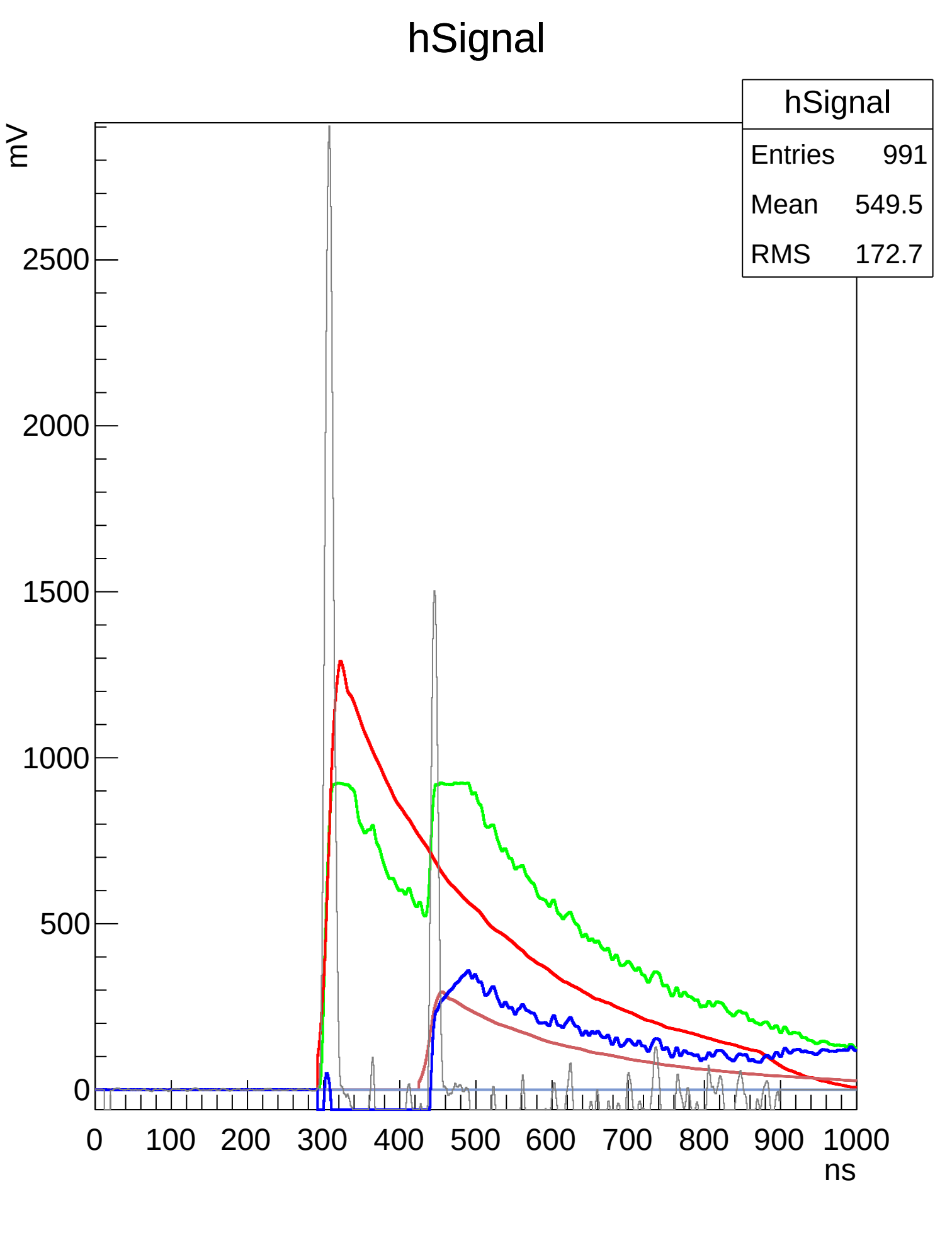

hSignal
hSignal
Entries 991
Mean 654.4
RMS 113.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

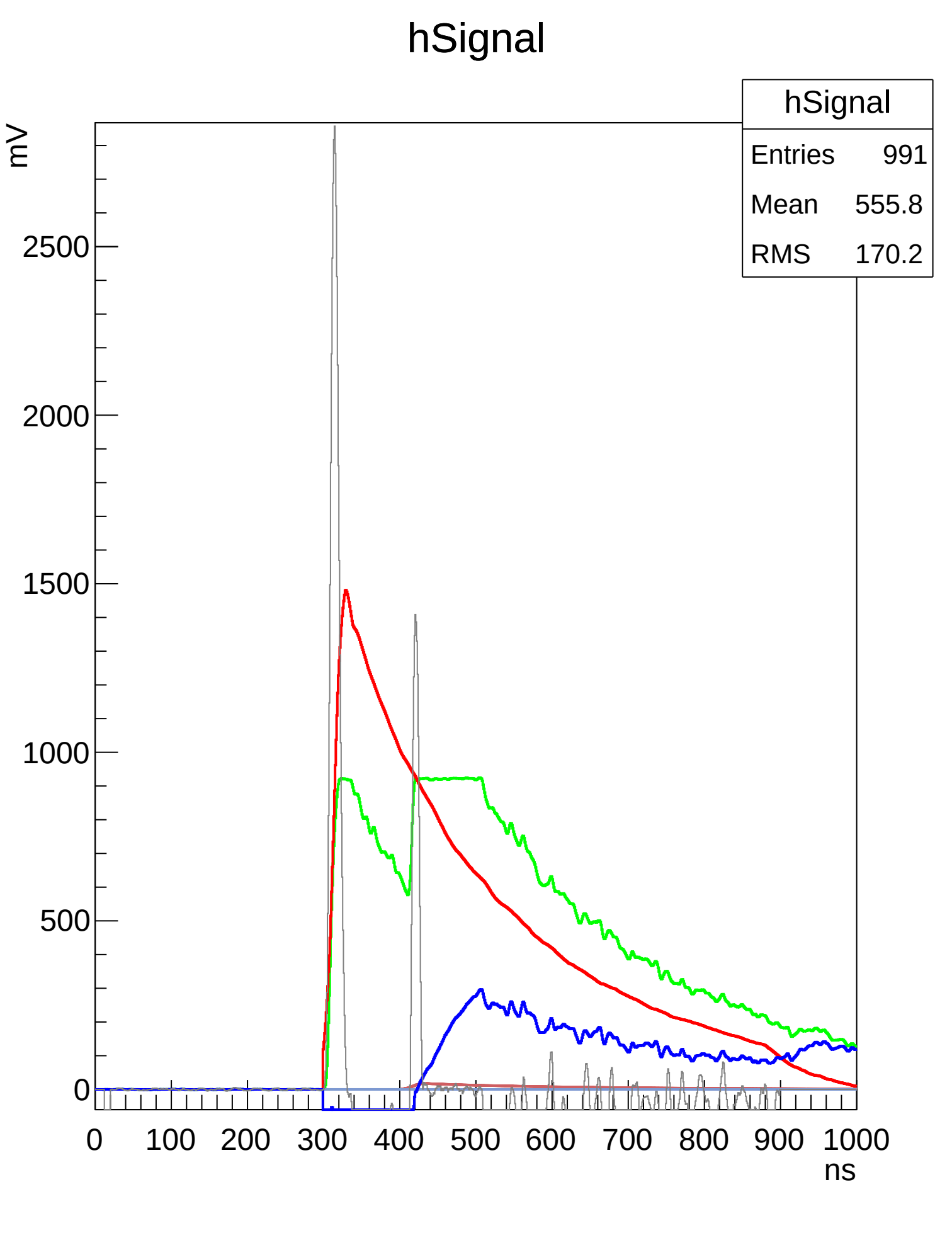

hSignal
hSignal
Entries 991
Mean 592.1
RMS 158.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

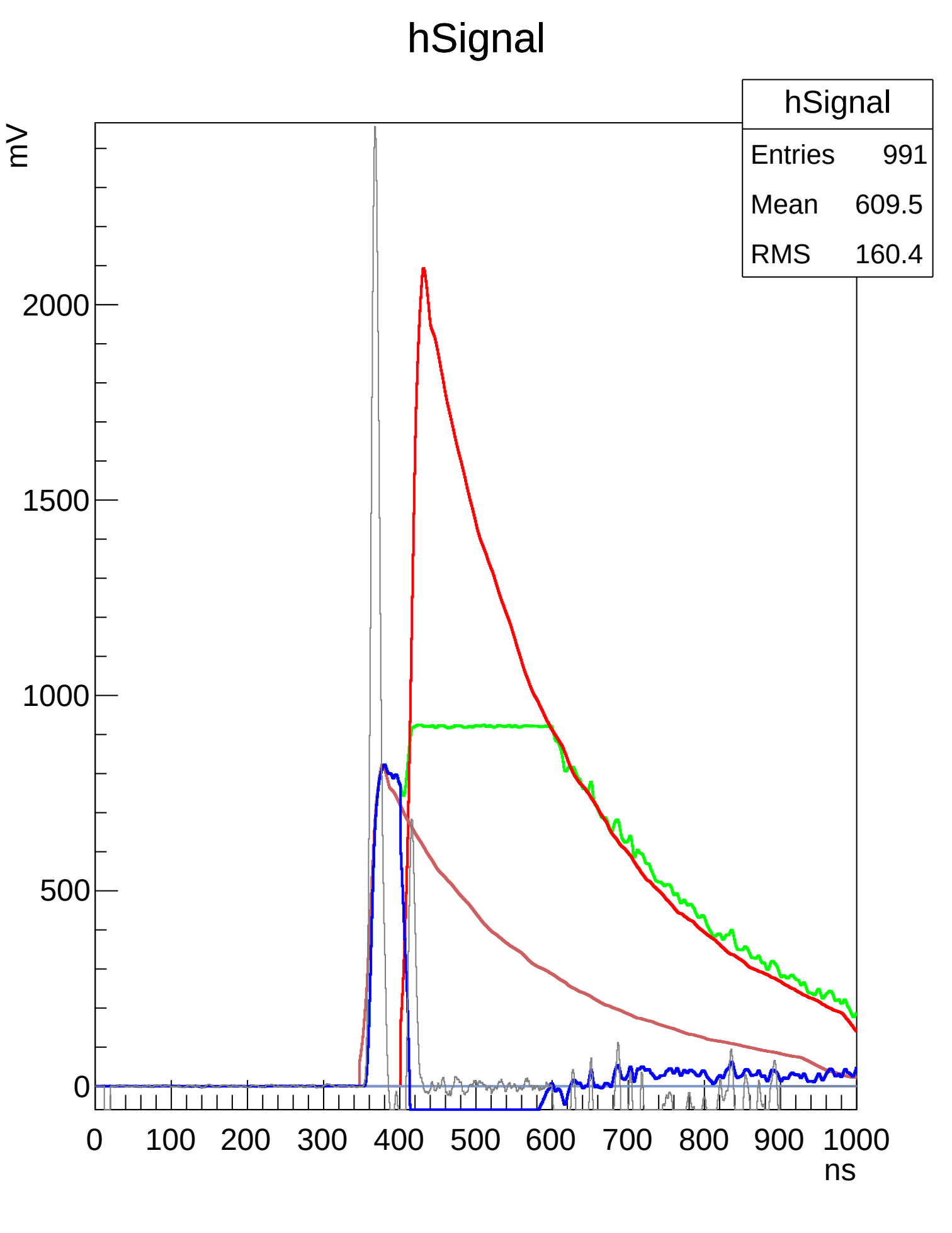

hSignal
hSignal
Entries 991
Mean 567.1
RMS 178
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

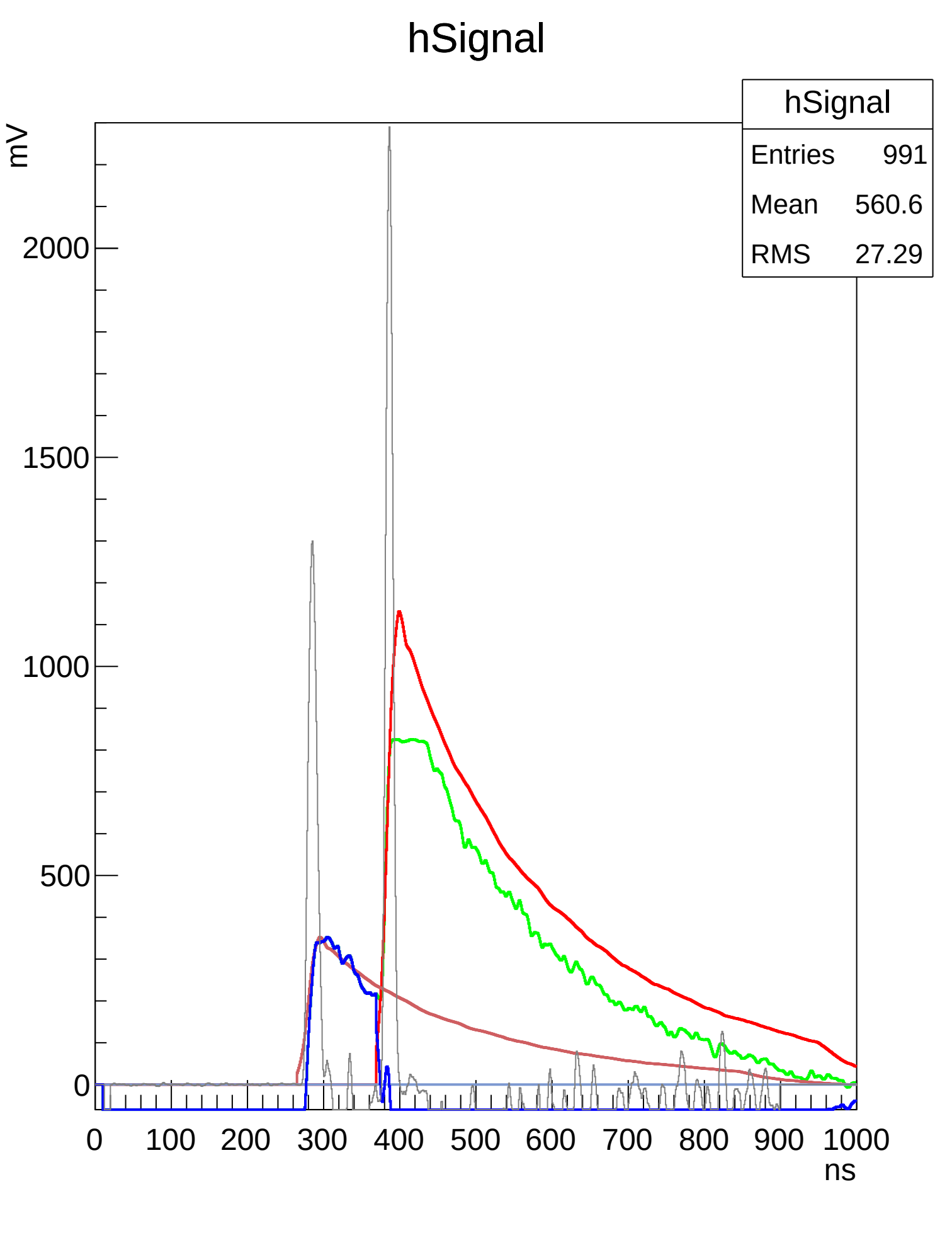

hSignal
hSignal
Entries 991
Mean 525.4
RMS 168.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

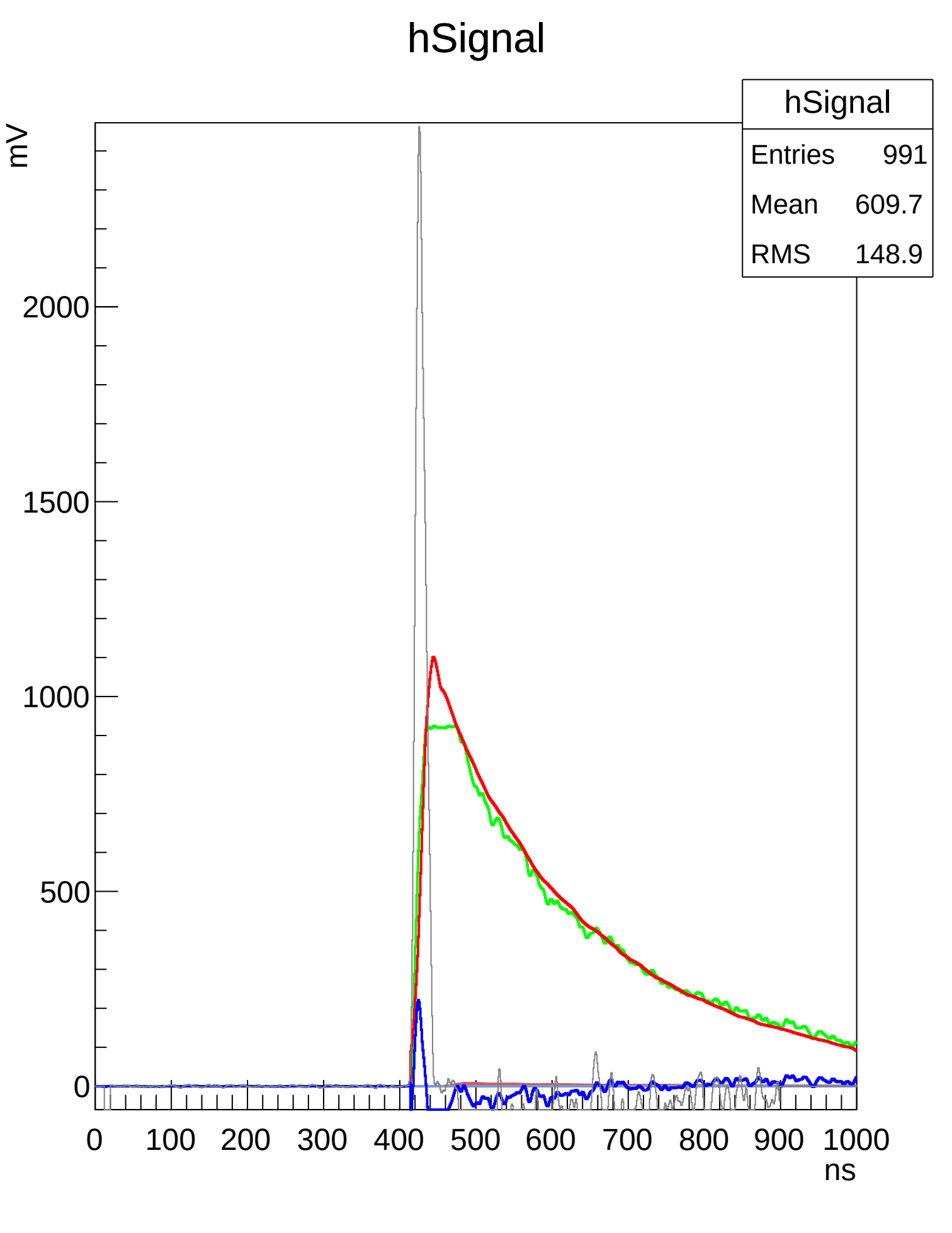

hSignal
hSignal
Entries 991
Mean 558.2
RMS 161.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

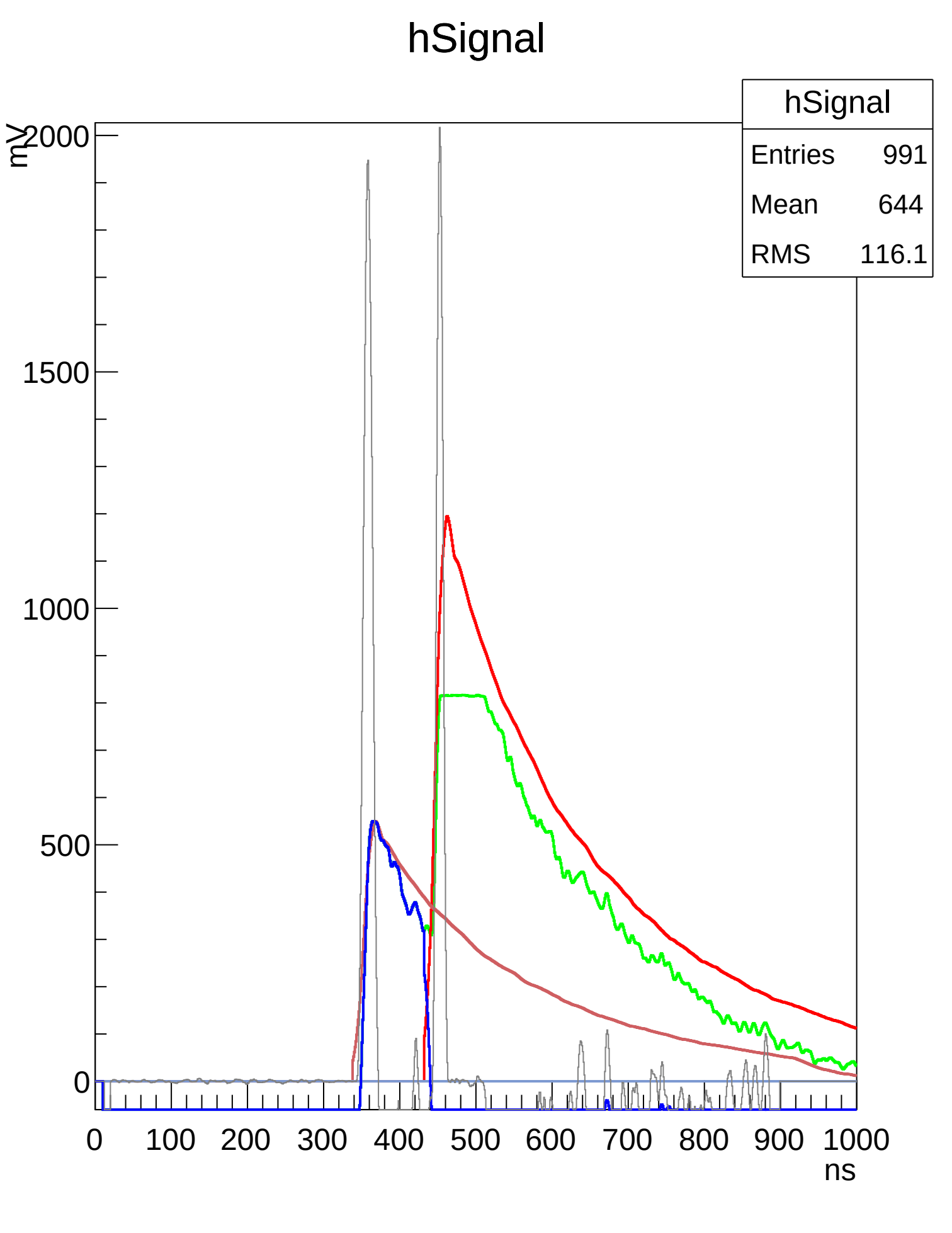

hSignal
hSignal
Entries 991
Mean 549.5
RMS 172.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

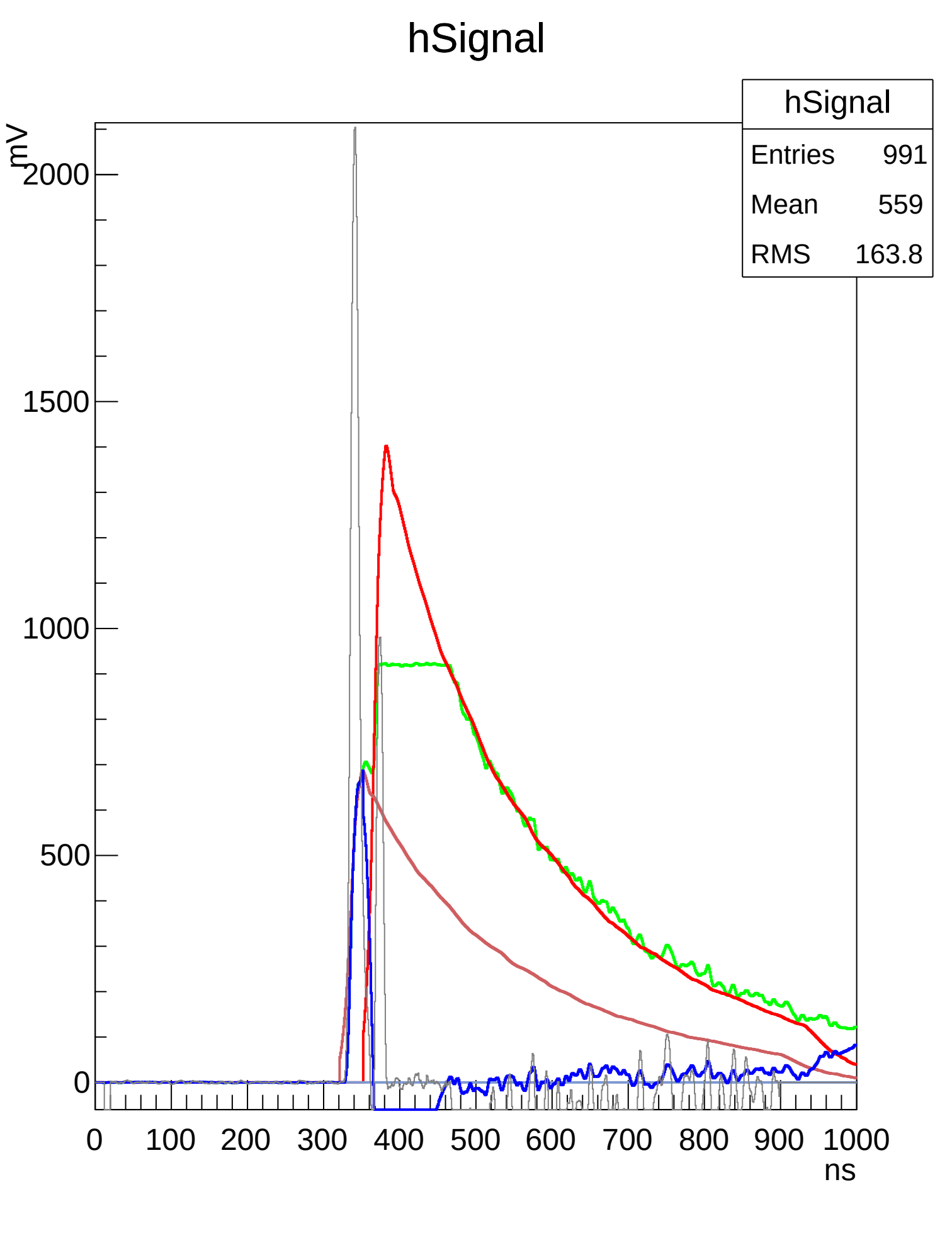

hSignal
hSignal
Entries 991
Mean 555.8
RMS 170.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

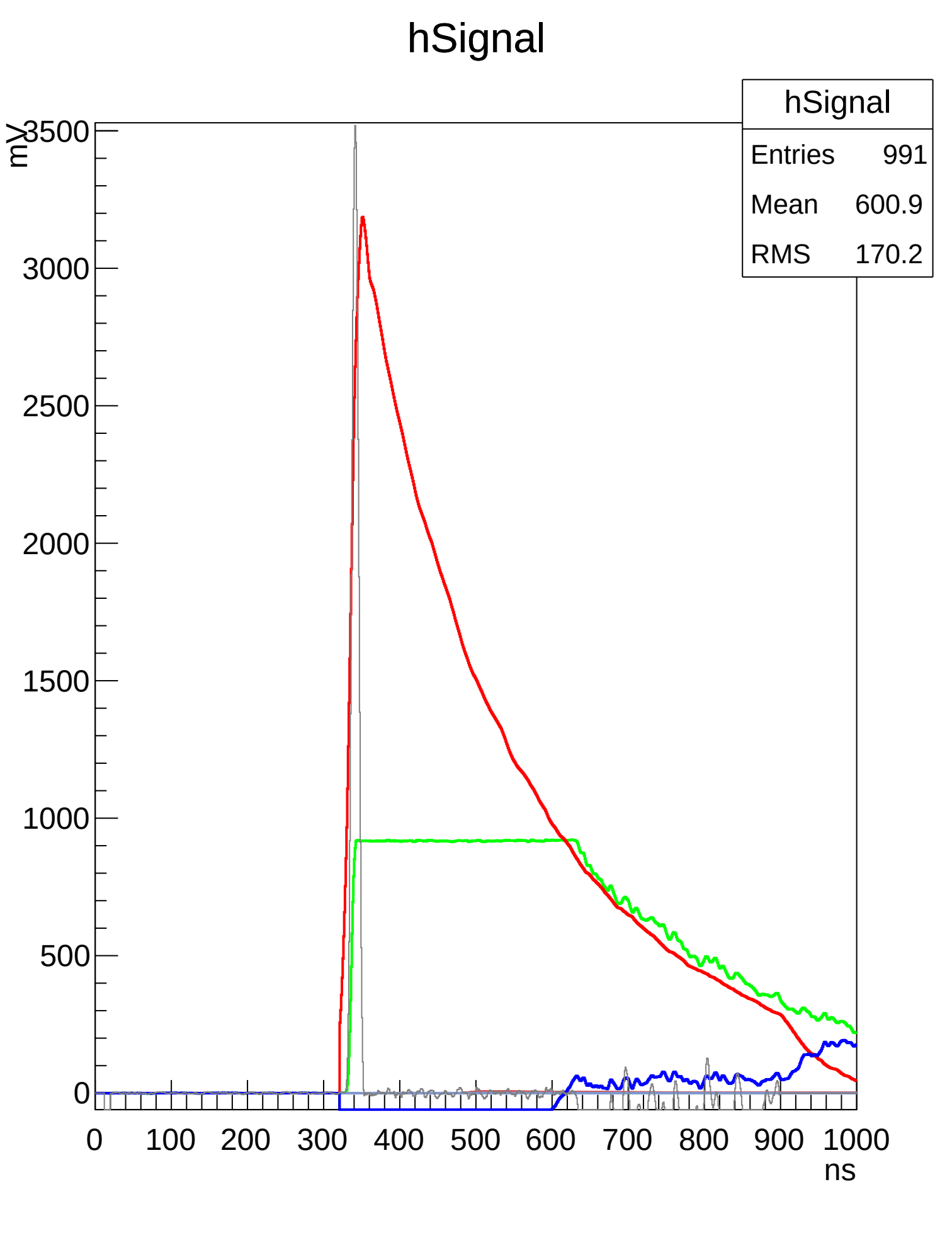

hSignal
hSignal
Entries 991
Mean 609.5
RMS 160.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

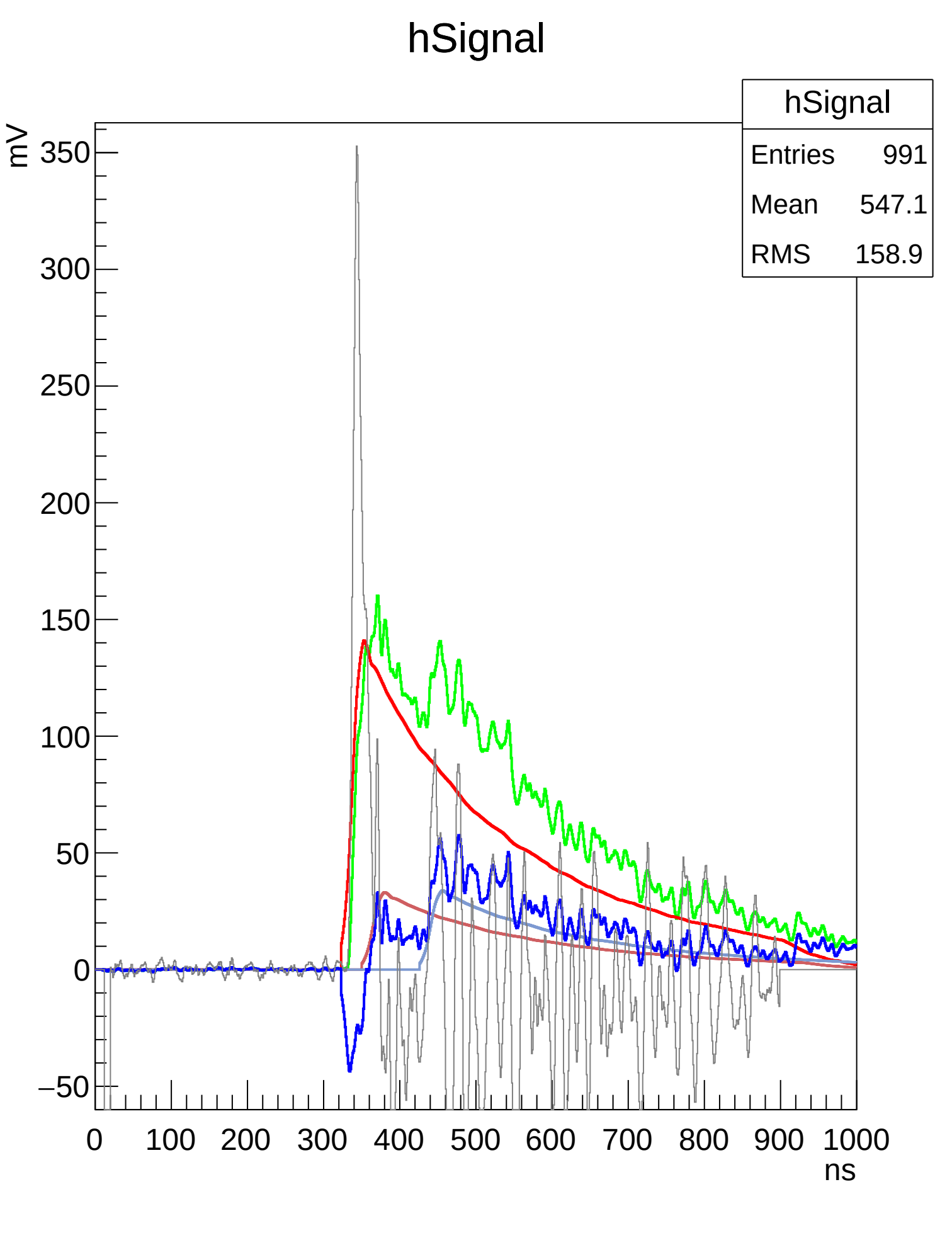

hSignal
hSignal
Entries 991
Mean 560.6
RMS 27.29
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

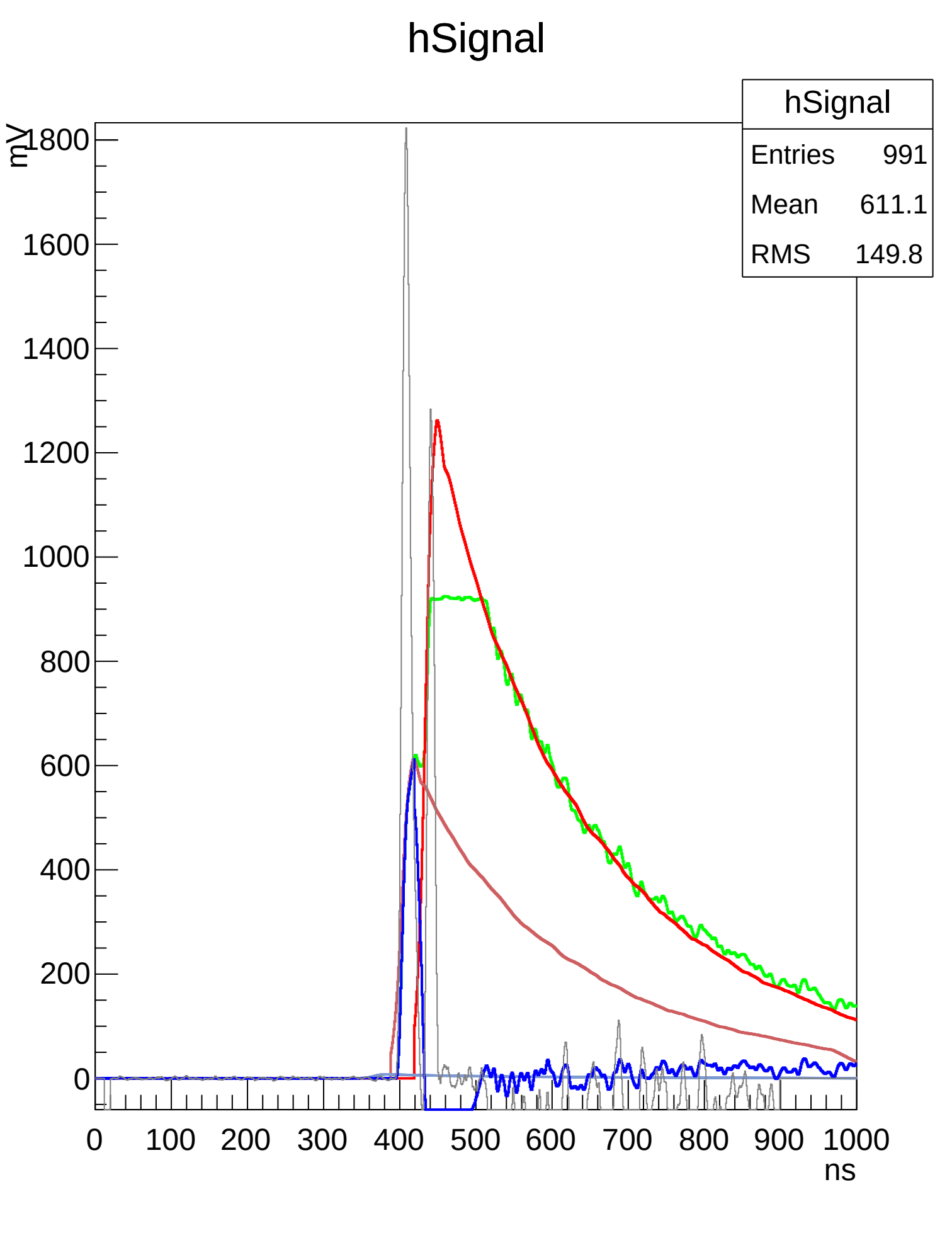

hSignal
hSignal
Entries 991
Mean 609.7
RMS 148.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

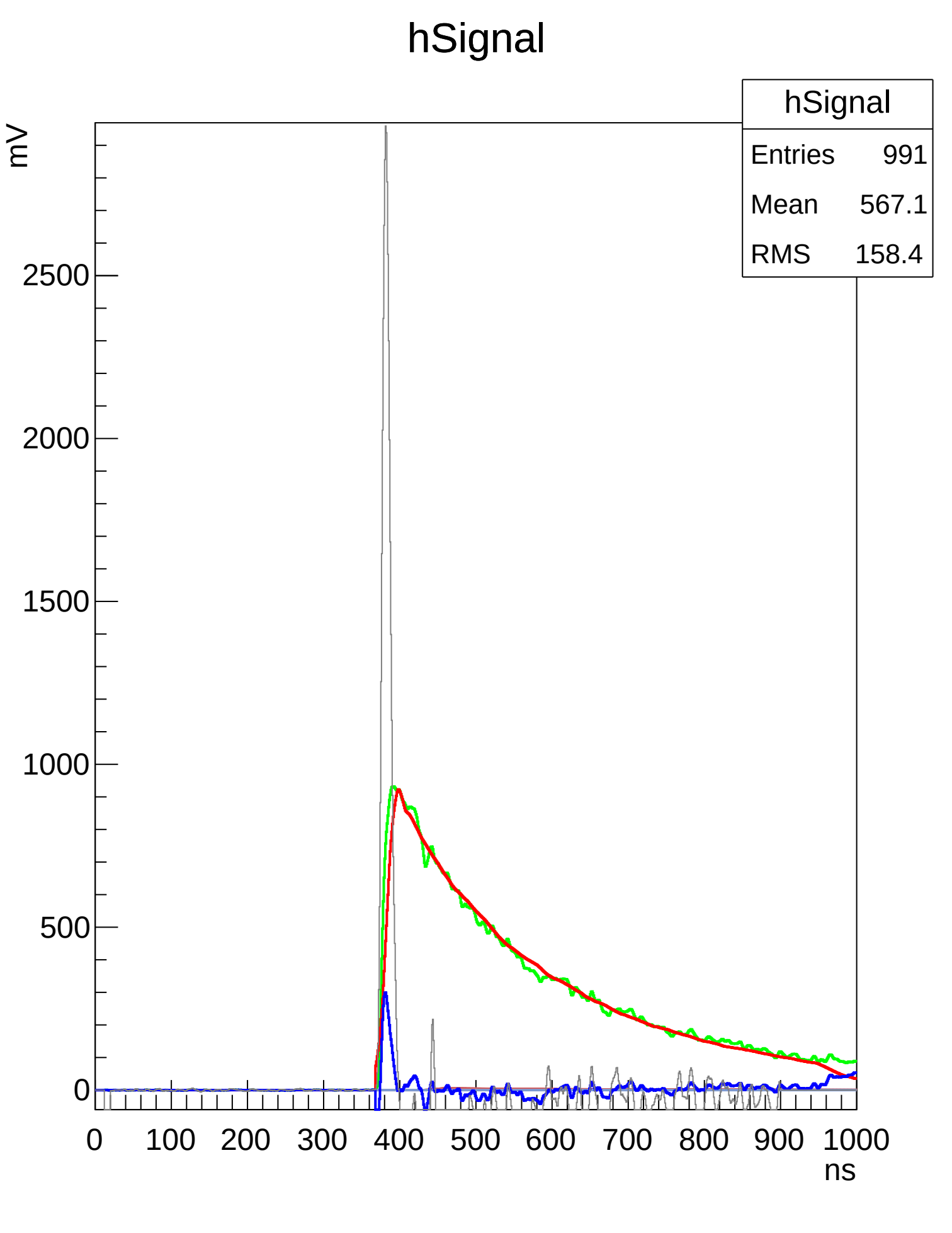

hSignal
hSignal
Entries 991
Mean 644
RMS 116.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

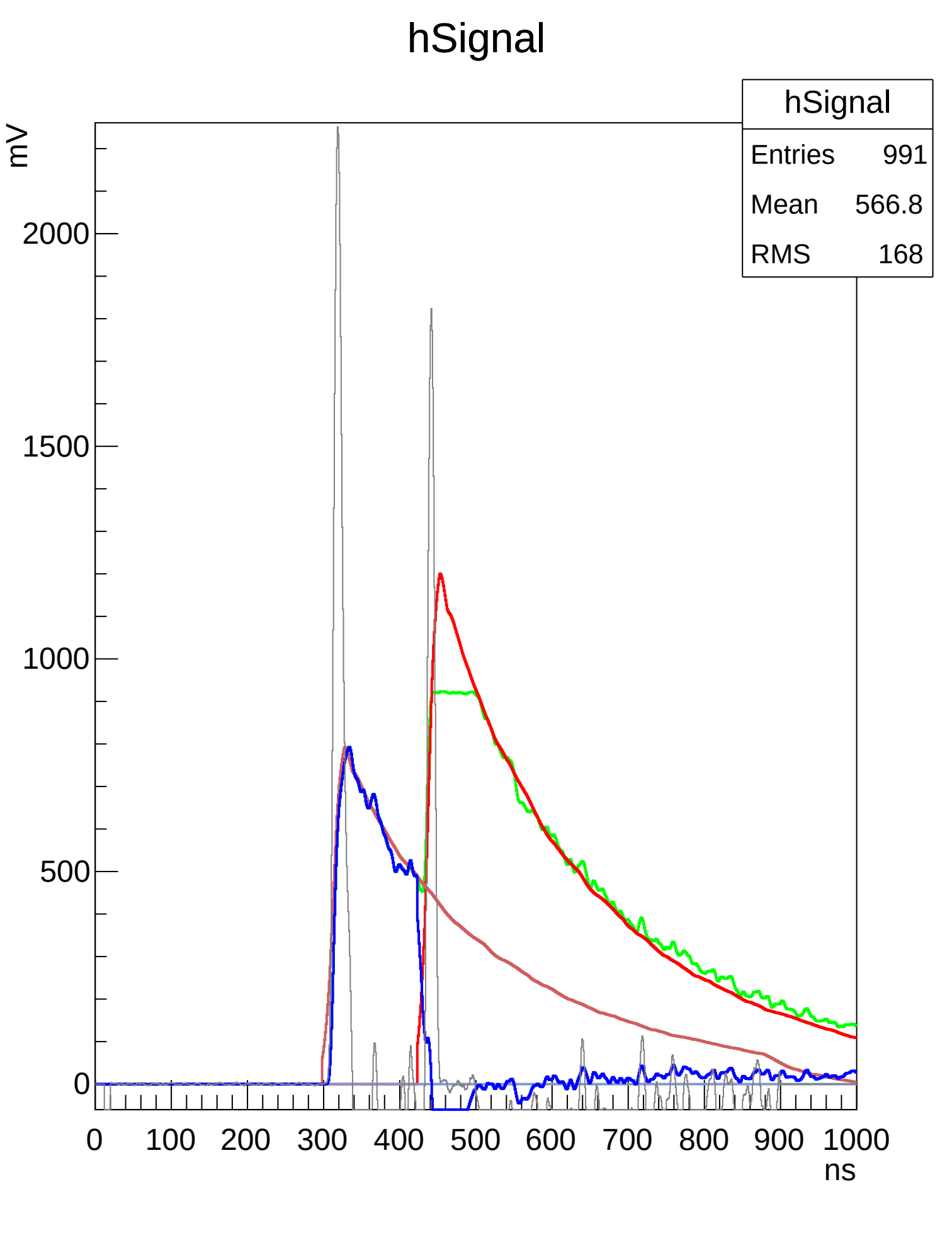

hSignal
hSignal
Entries 991
Mean 559
RMS 163.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

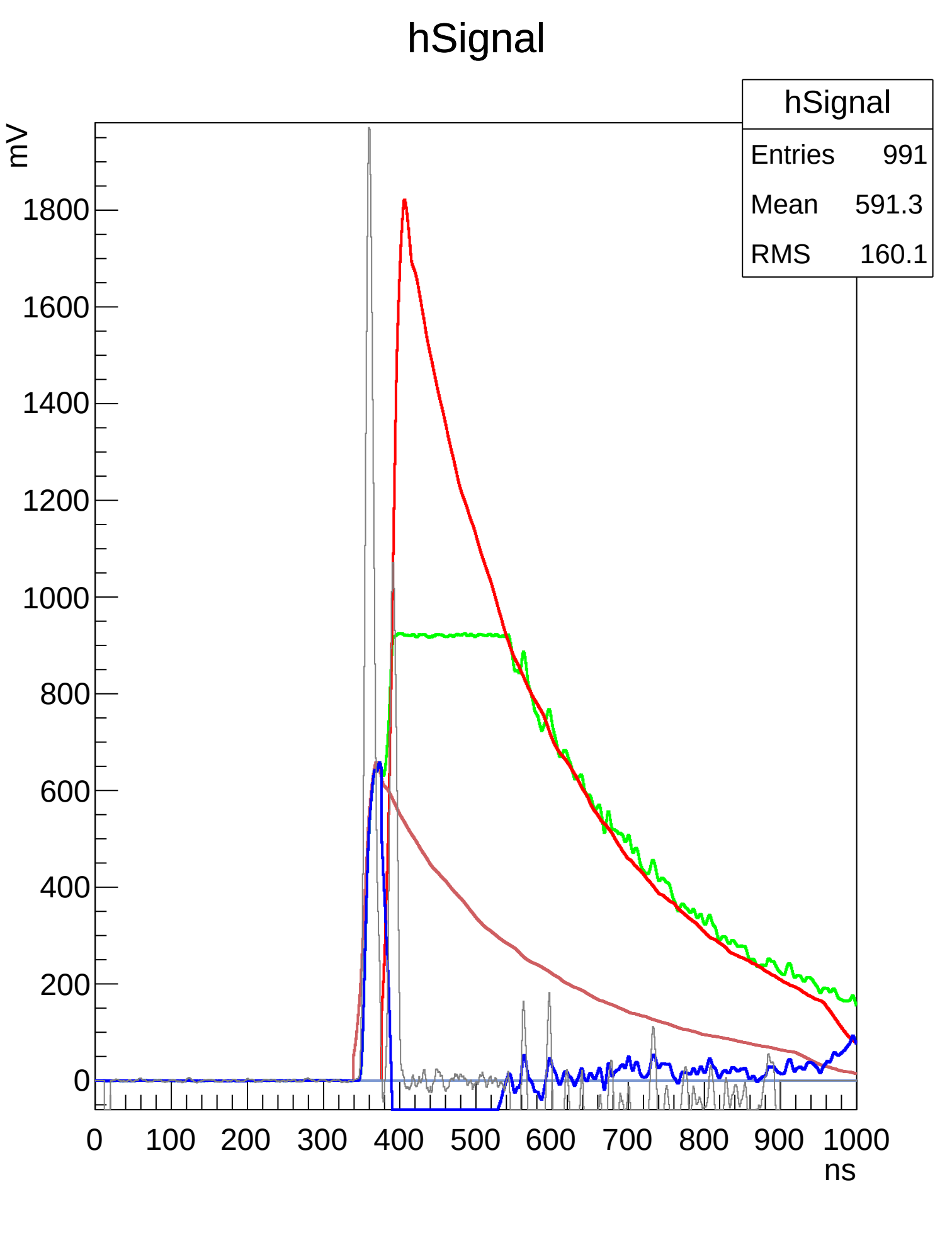

hSignal
hSignal
Entries 991
Mean 600.9
RMS 170.2
mV
3500
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

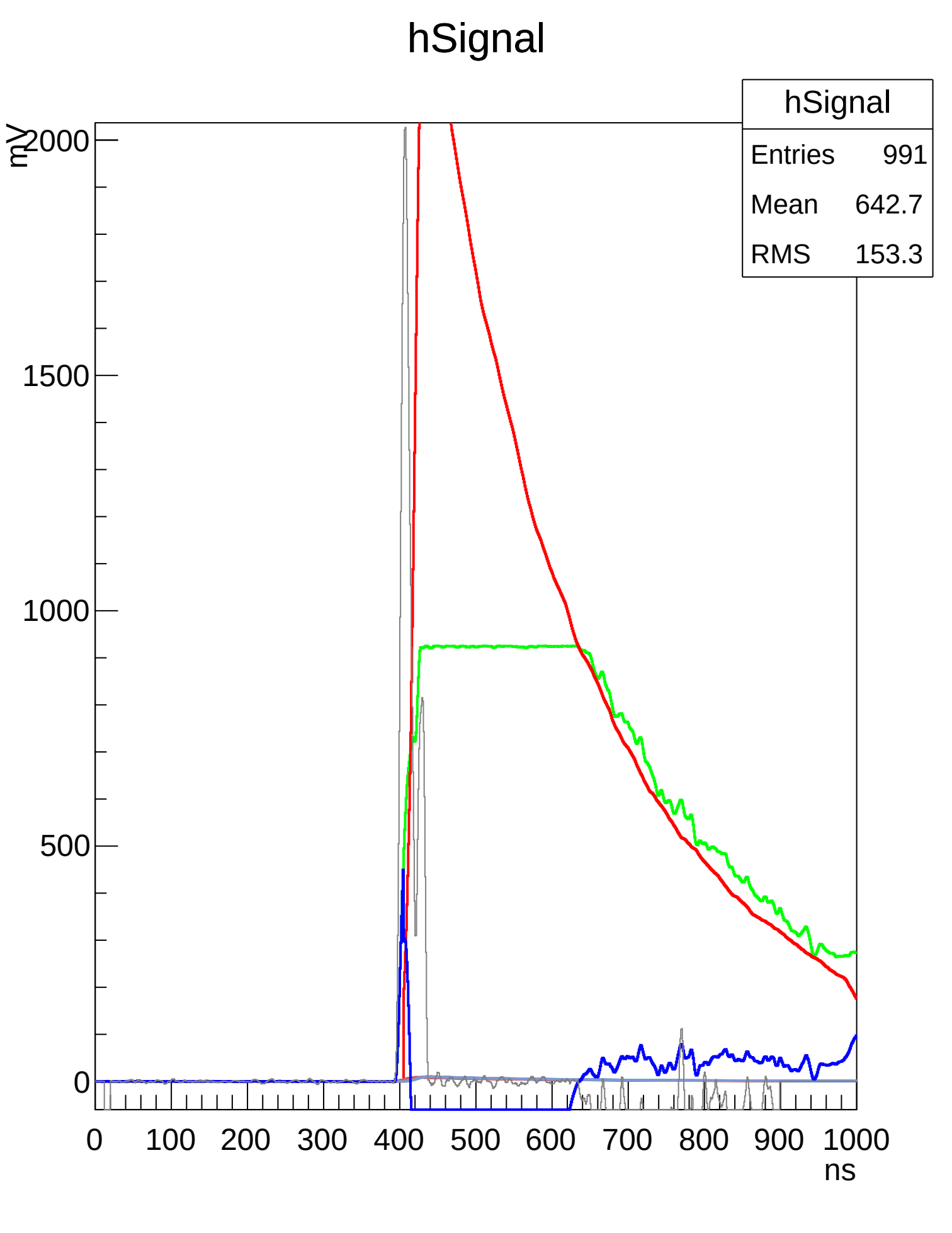

hSignal
hSignal
Entries 991
Mean 547.1
RMS 158.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

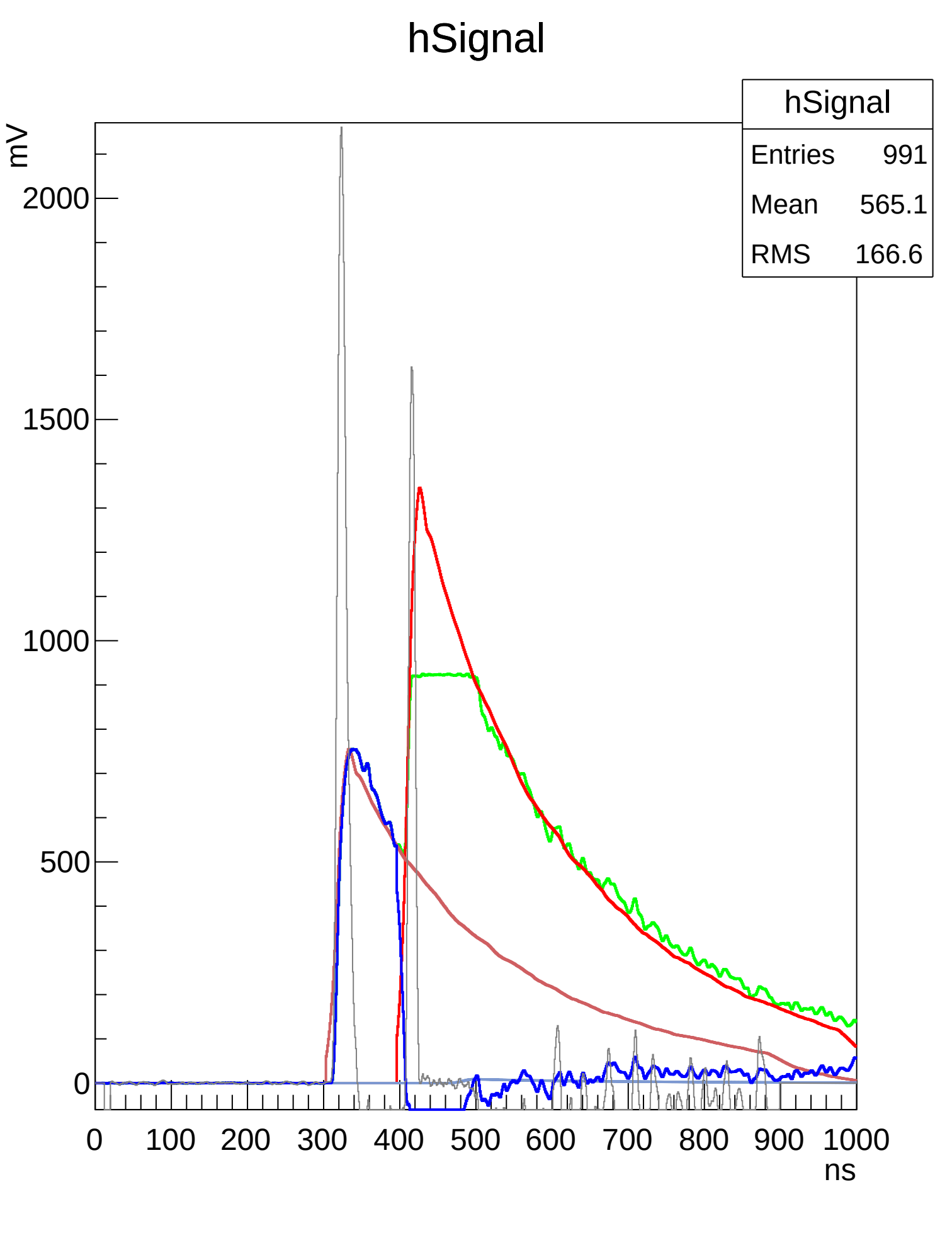

hSignal
hSignal
Entries 991
Mean 611.1
RMS 149.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

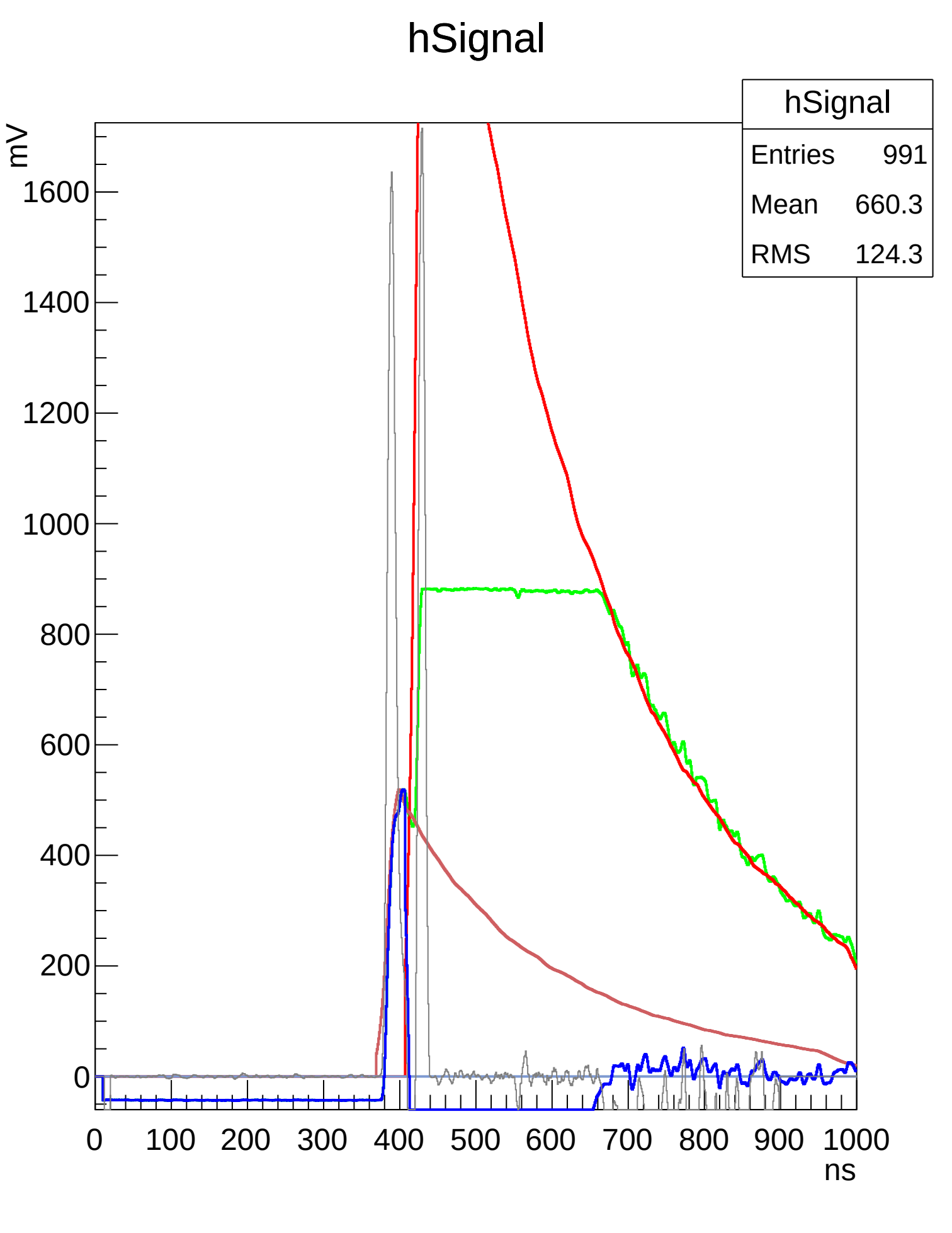

hSignal
hSignal
Entries 991
Mean 567.1
RMS 158.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

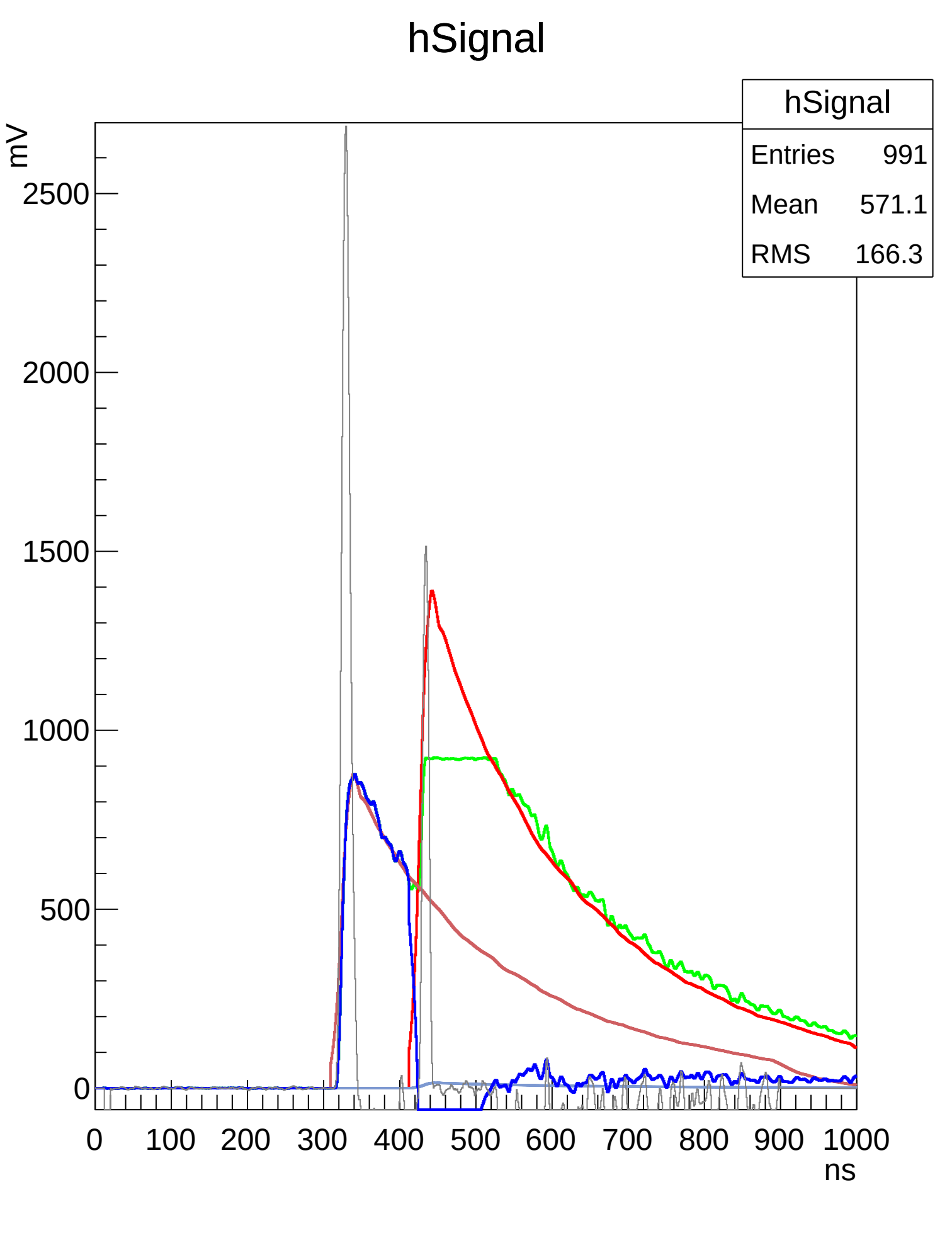

hSignal
hSignal
Entries 991
Mean 566.8
RMS 168
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

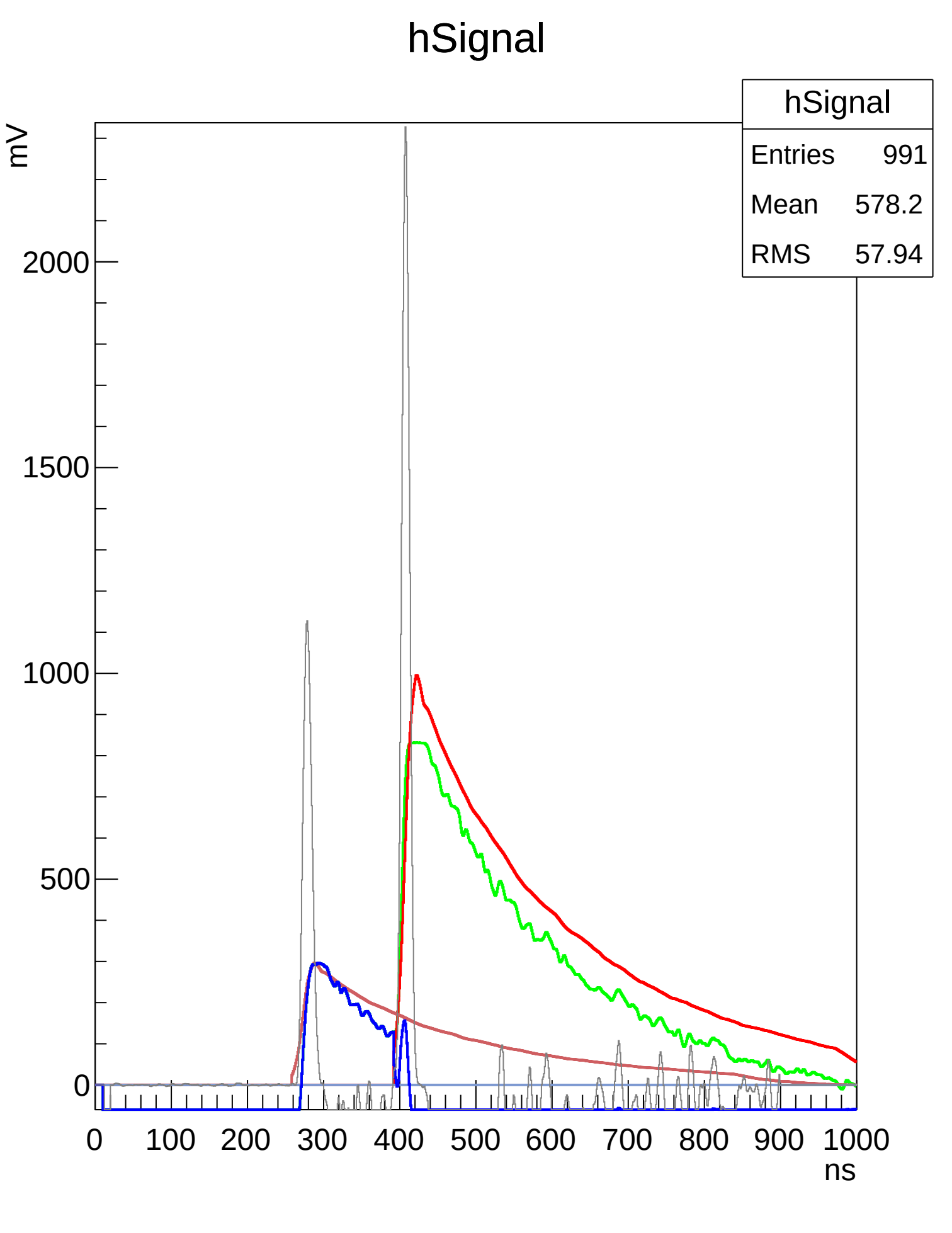

hSignal
hSignal
Entries 991
Mean 591.3
RMS 160.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

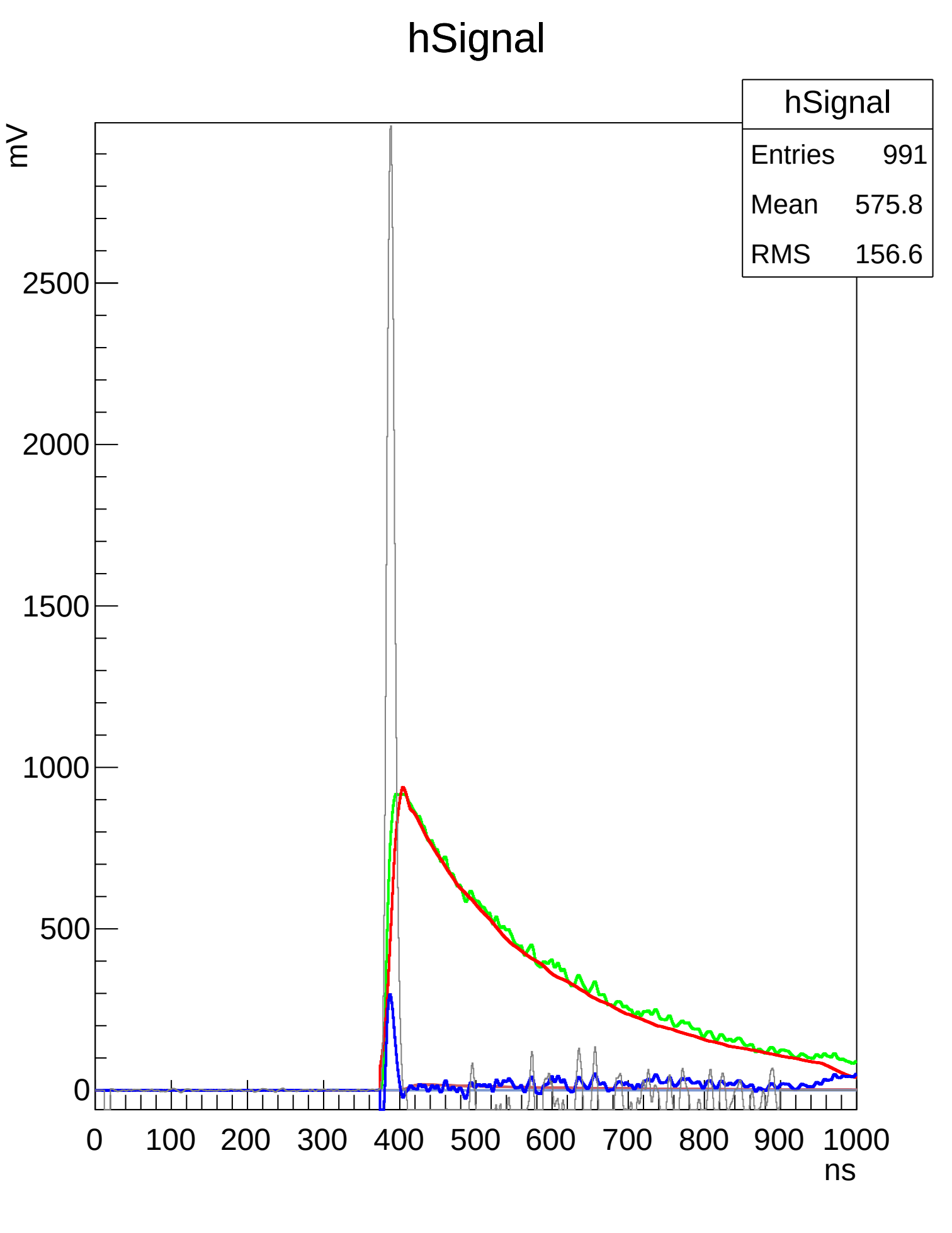

hSignal
hSignal
Entries 991
Mean 642.7
RMS 153.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

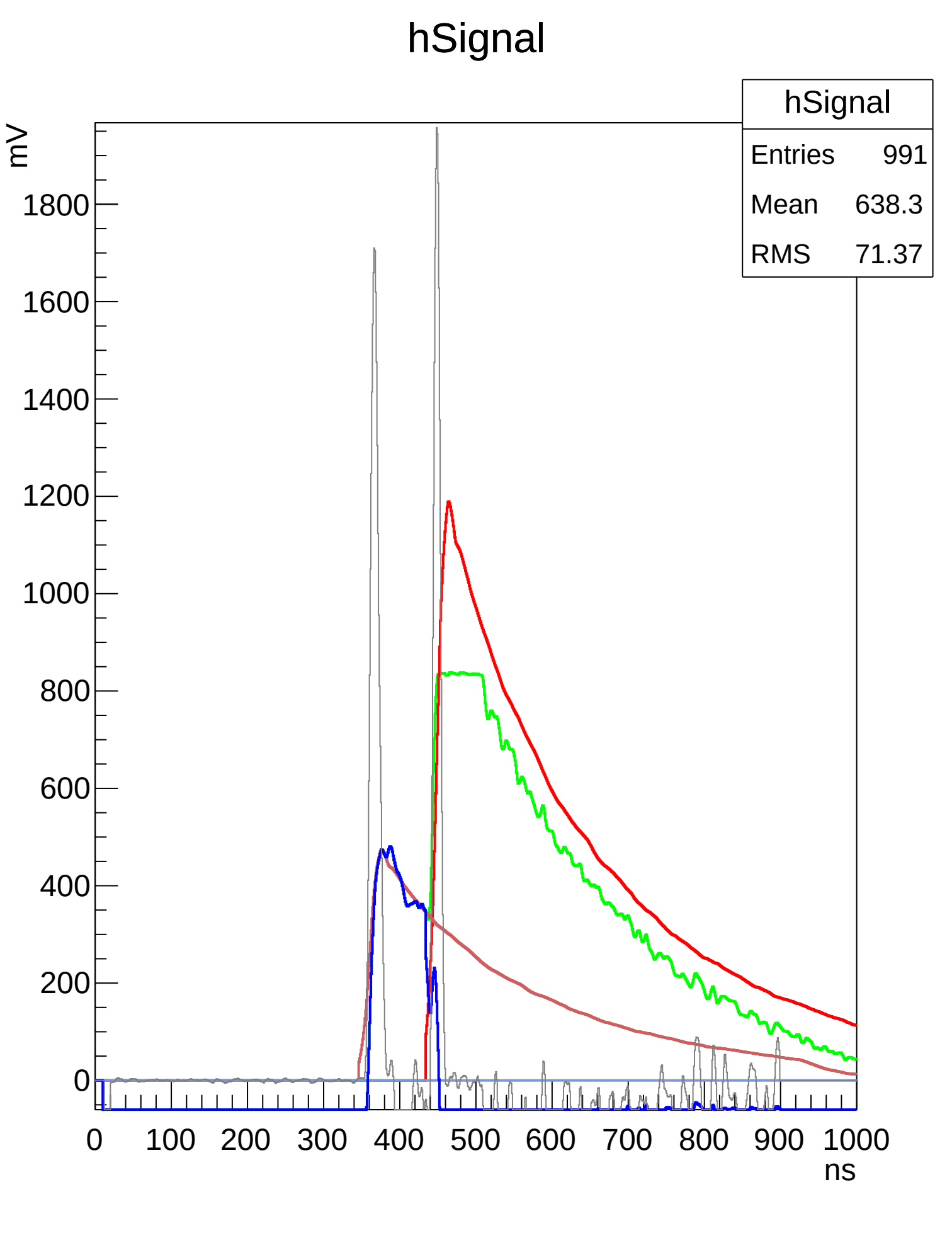

hSignal
hSignal
Entries 991
Mean 565.1
RMS 166.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

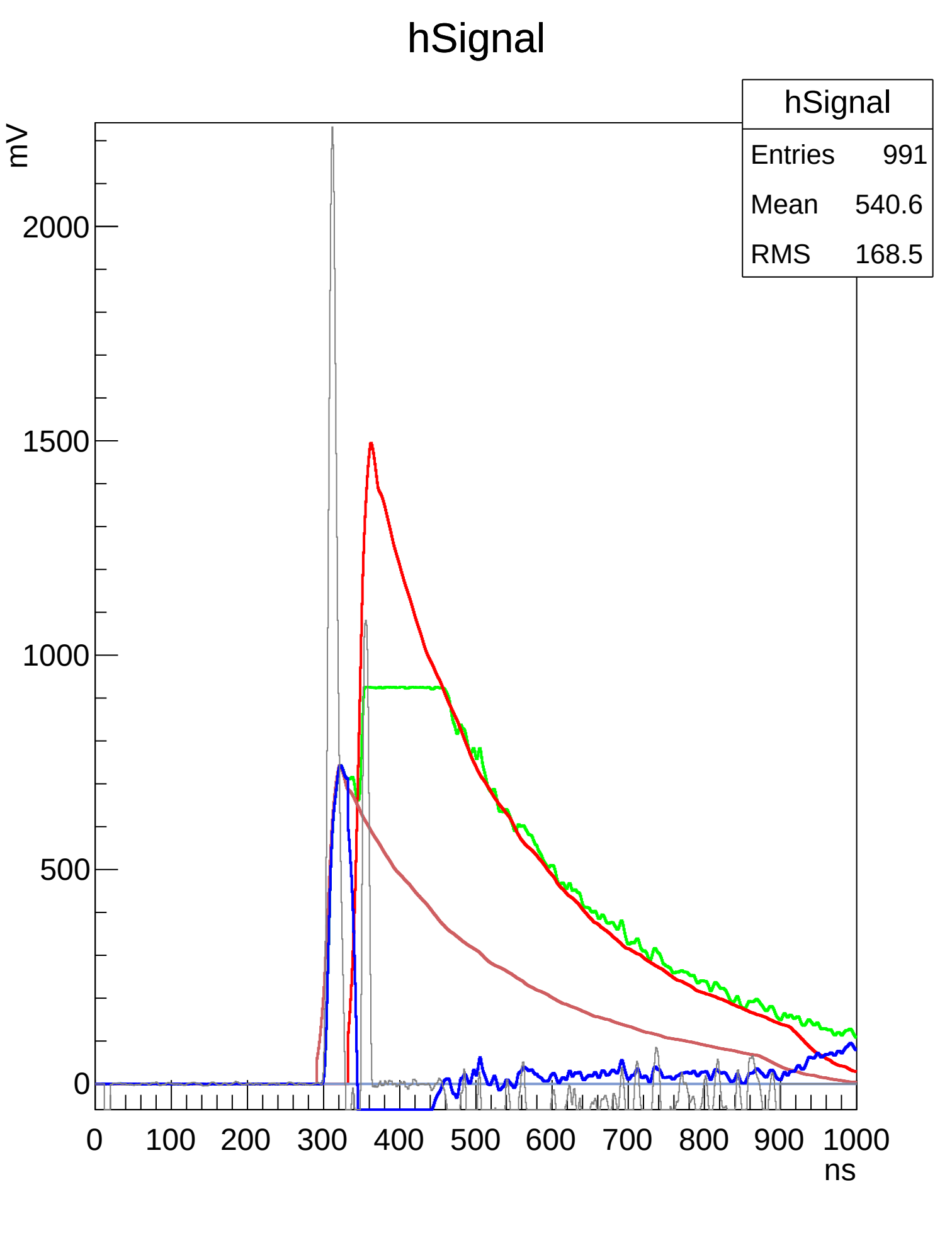

hSignal
hSignal
Entries 991
Mean 660.3
RMS 124.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

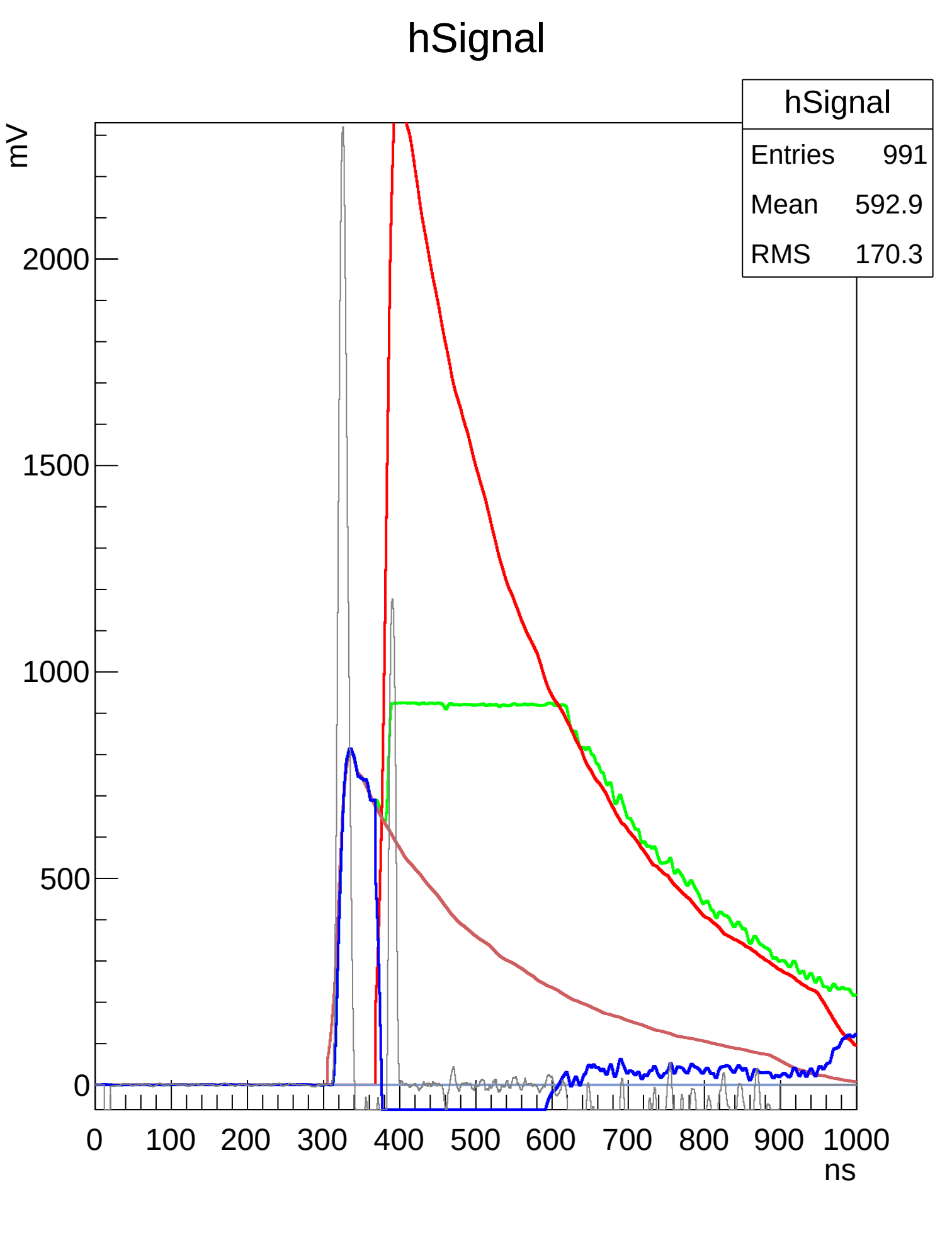

hSignal
hSignal
Entries 991
Mean 571.1
RMS 166.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

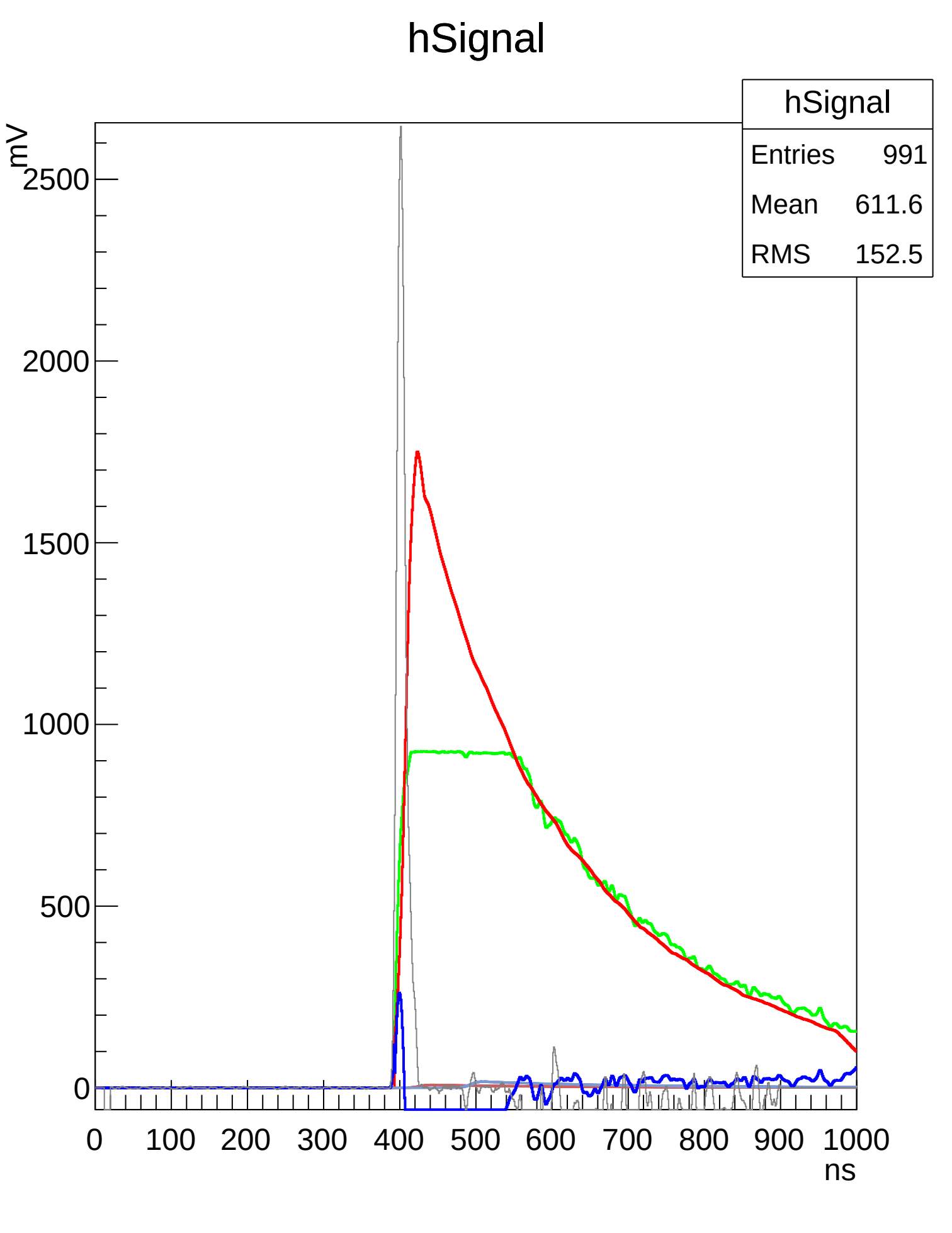

hSignal
hSignal
Entries 991
Mean 578.2
RMS 57.94
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

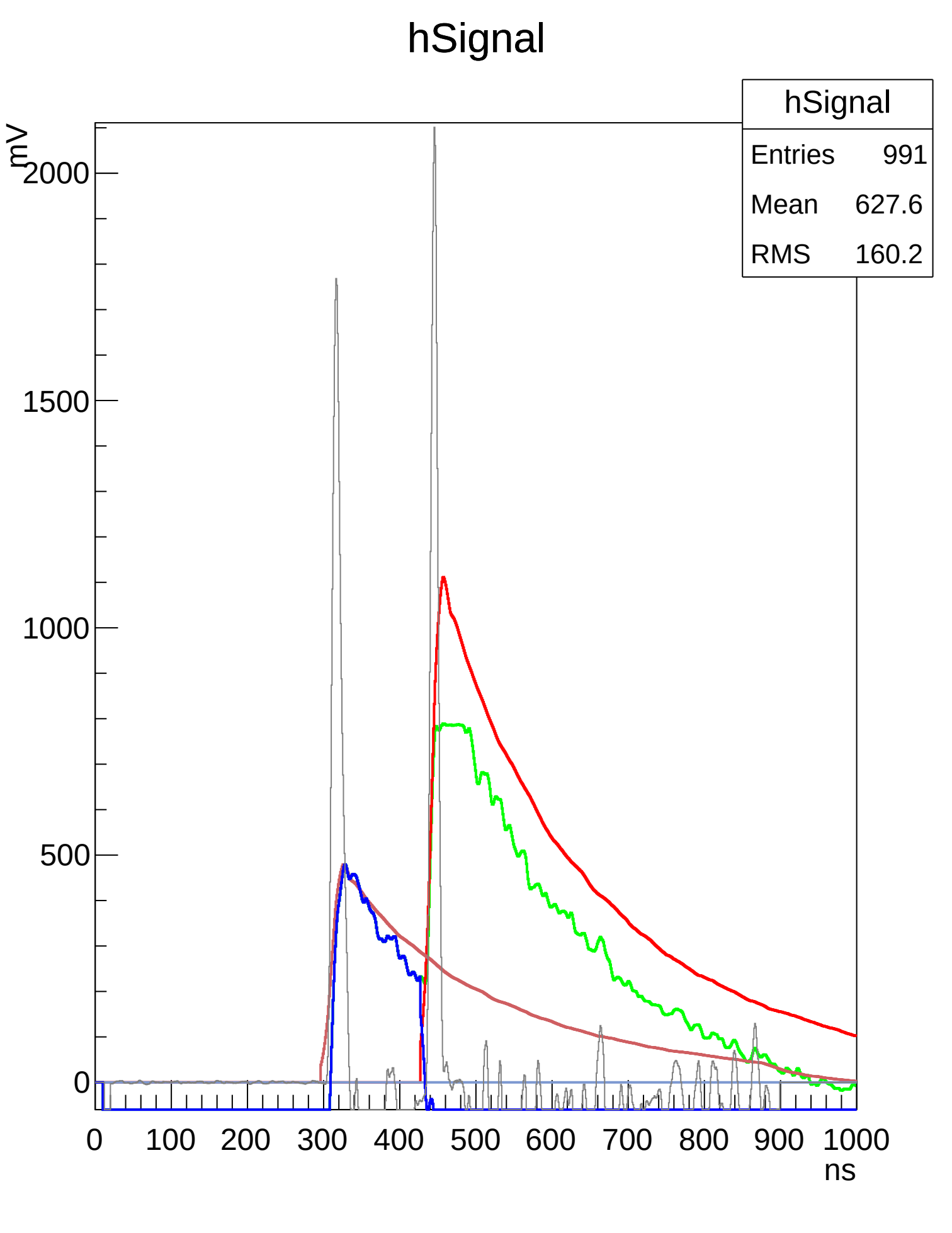

hSignal
hSignal
Entries 991
Mean 575.8
RMS 156.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

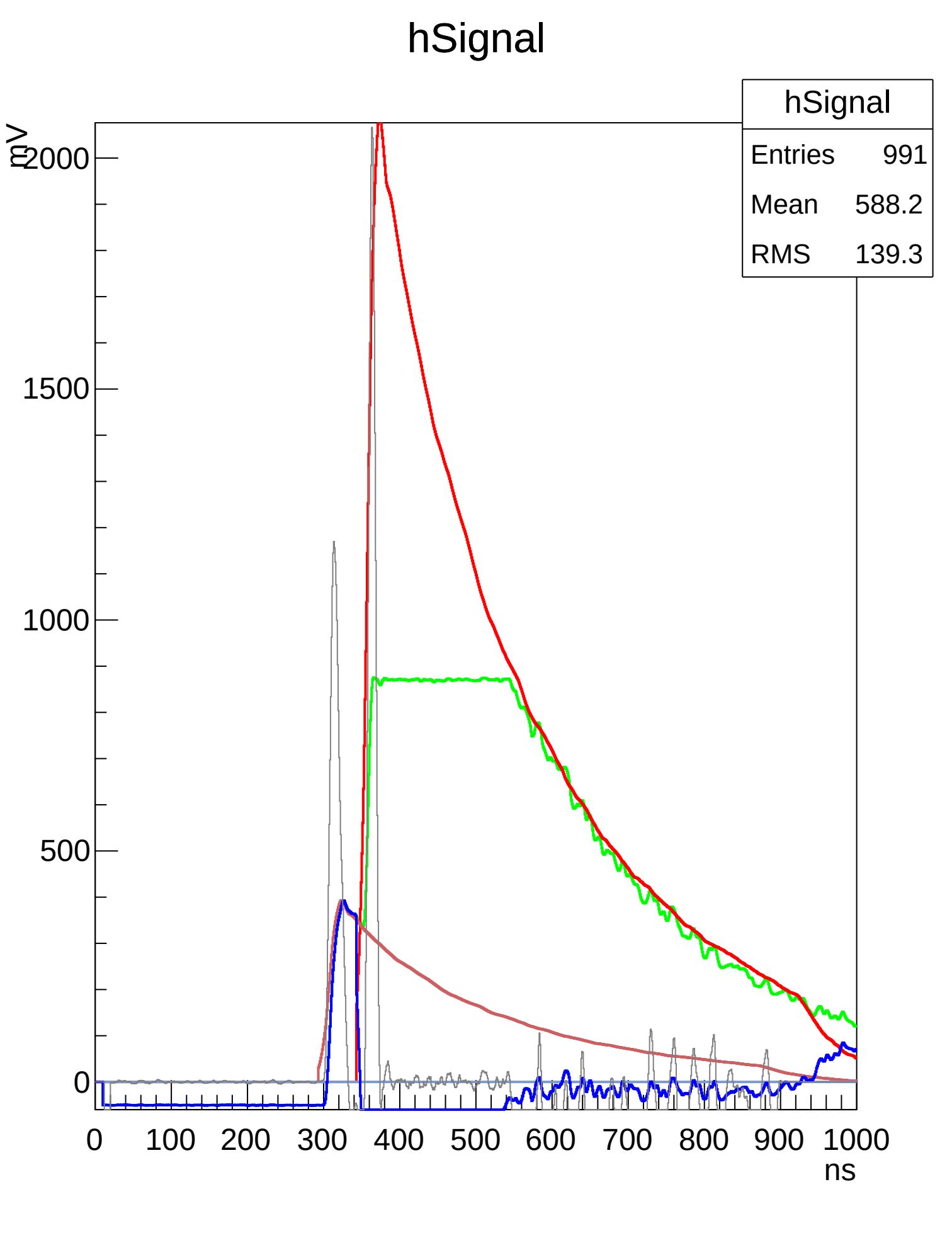

hSignal
hSignal
Entries 991
Mean 638.3
RMS 71.37
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

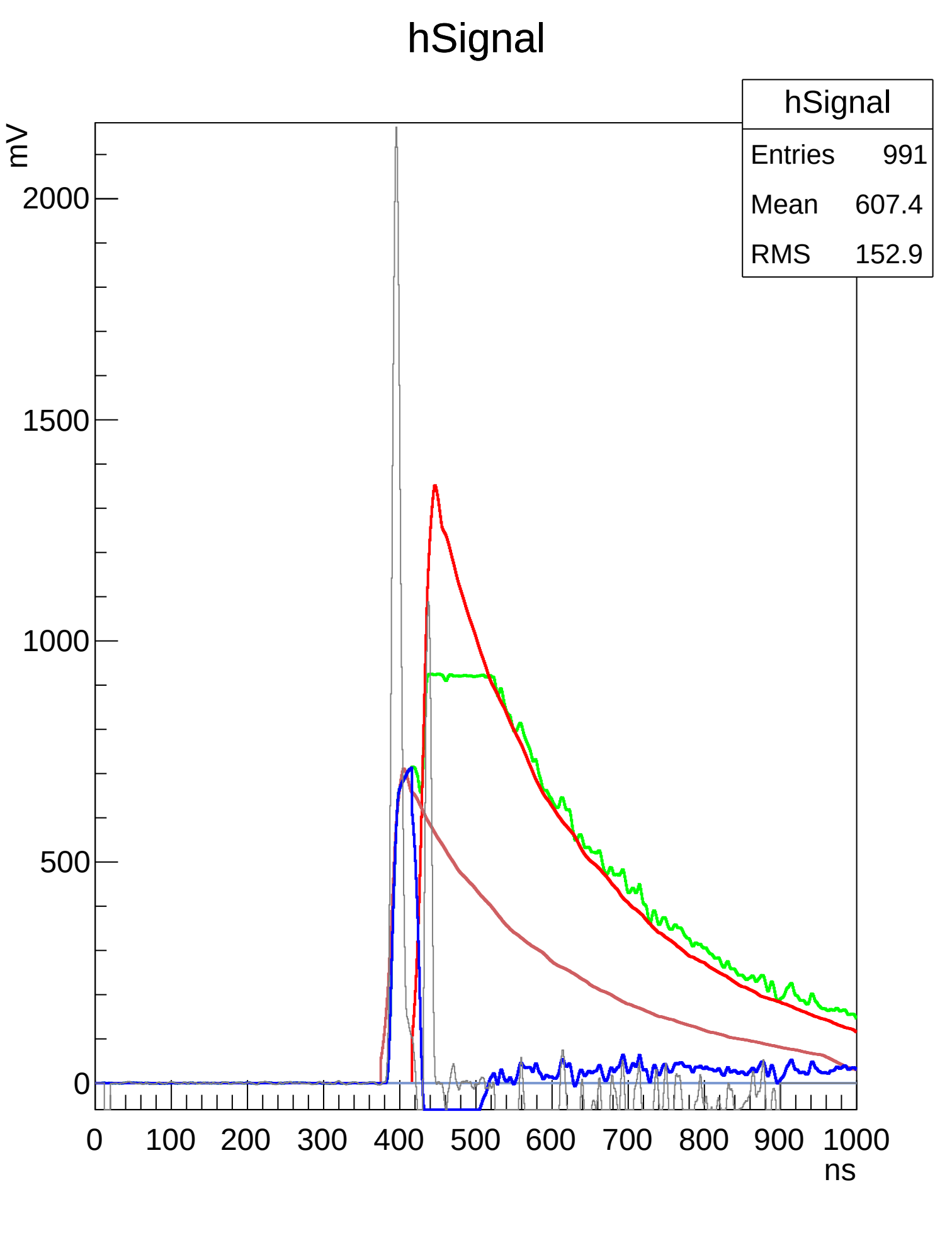

hSignal
hSignal
Entries 991
Mean 540.6
RMS 168.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

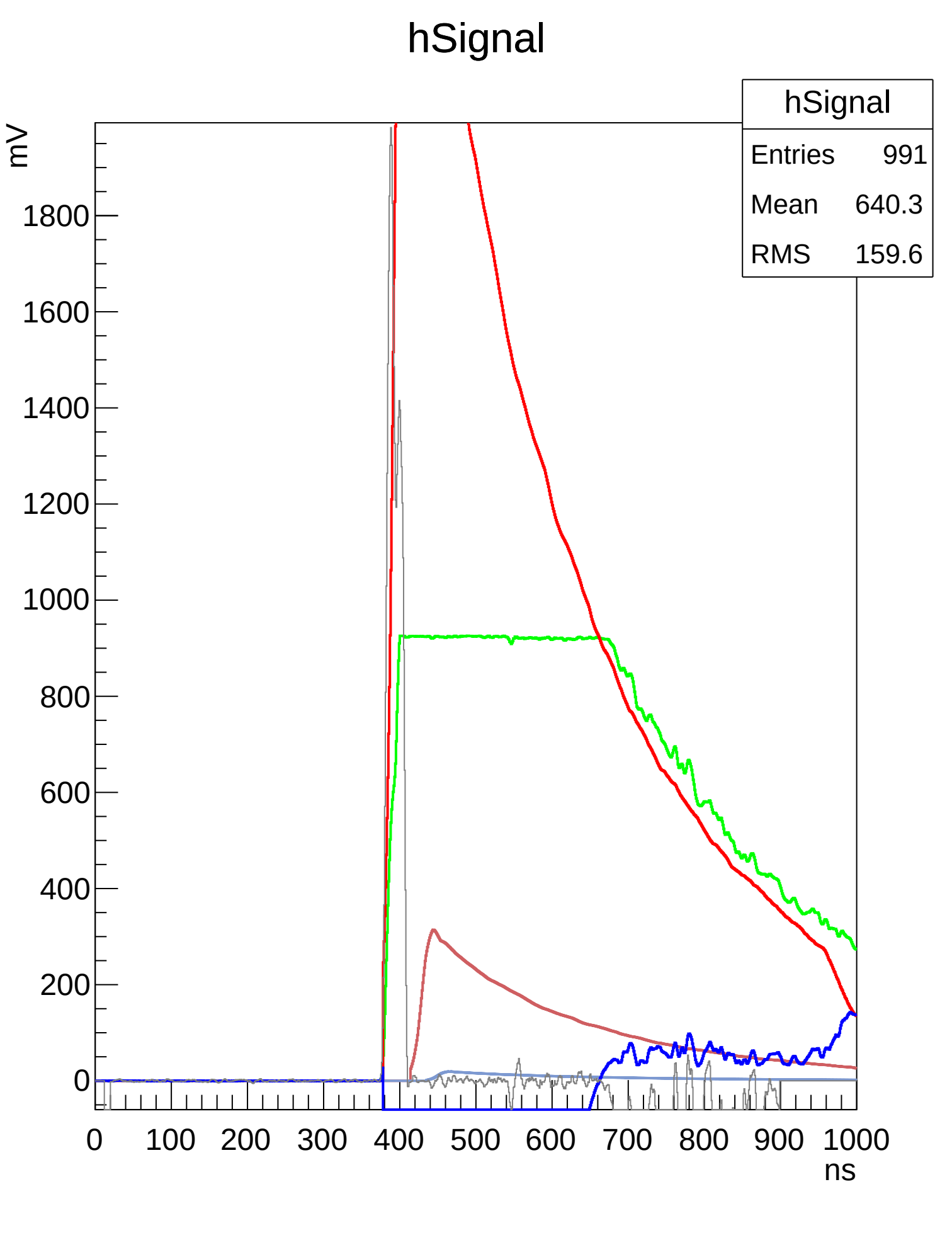

hSignal
hSignal
Entries 991
Mean 592.9
RMS 170.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

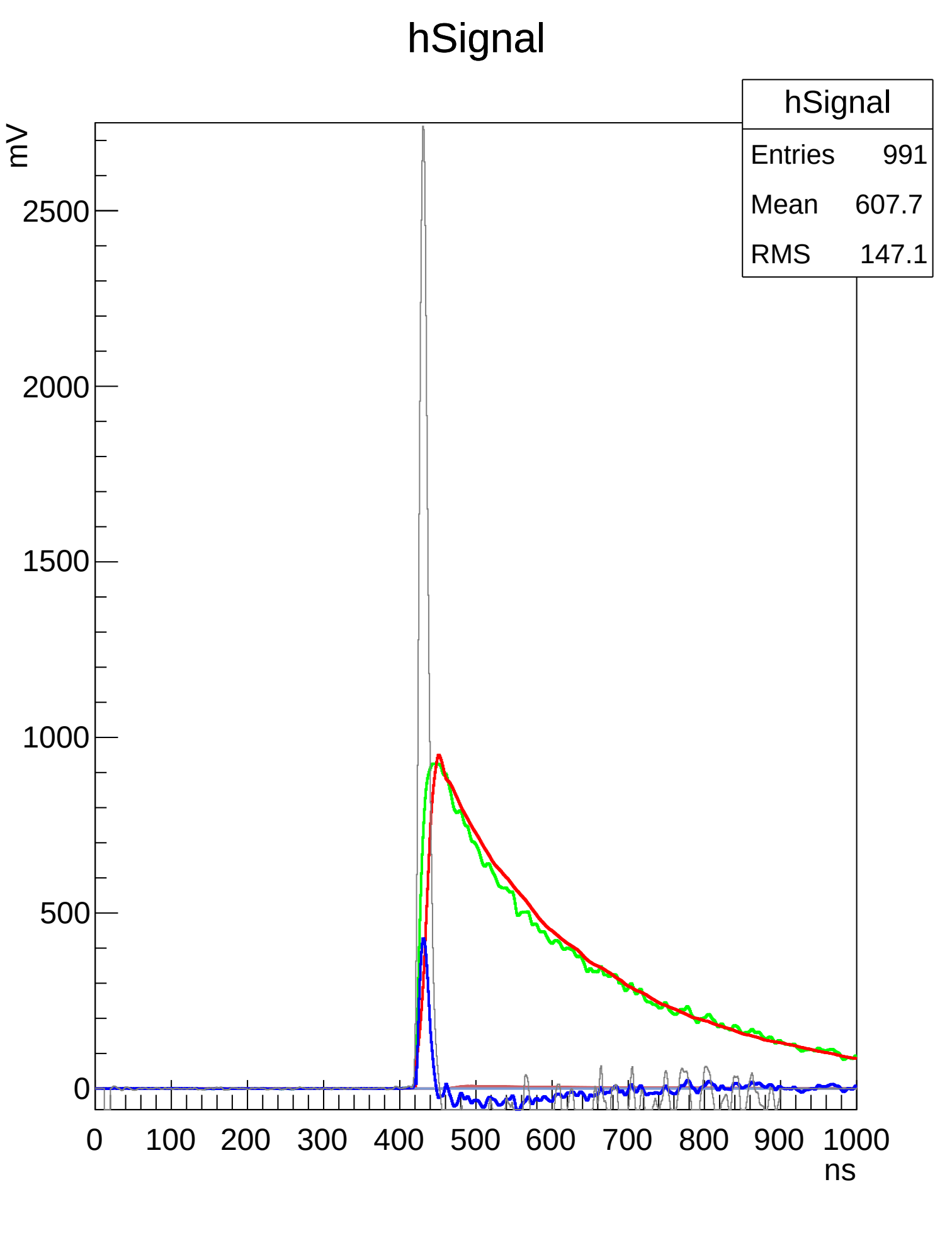

hSignal
hSignal
Entries 991
Mean 611.6
RMS 152.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

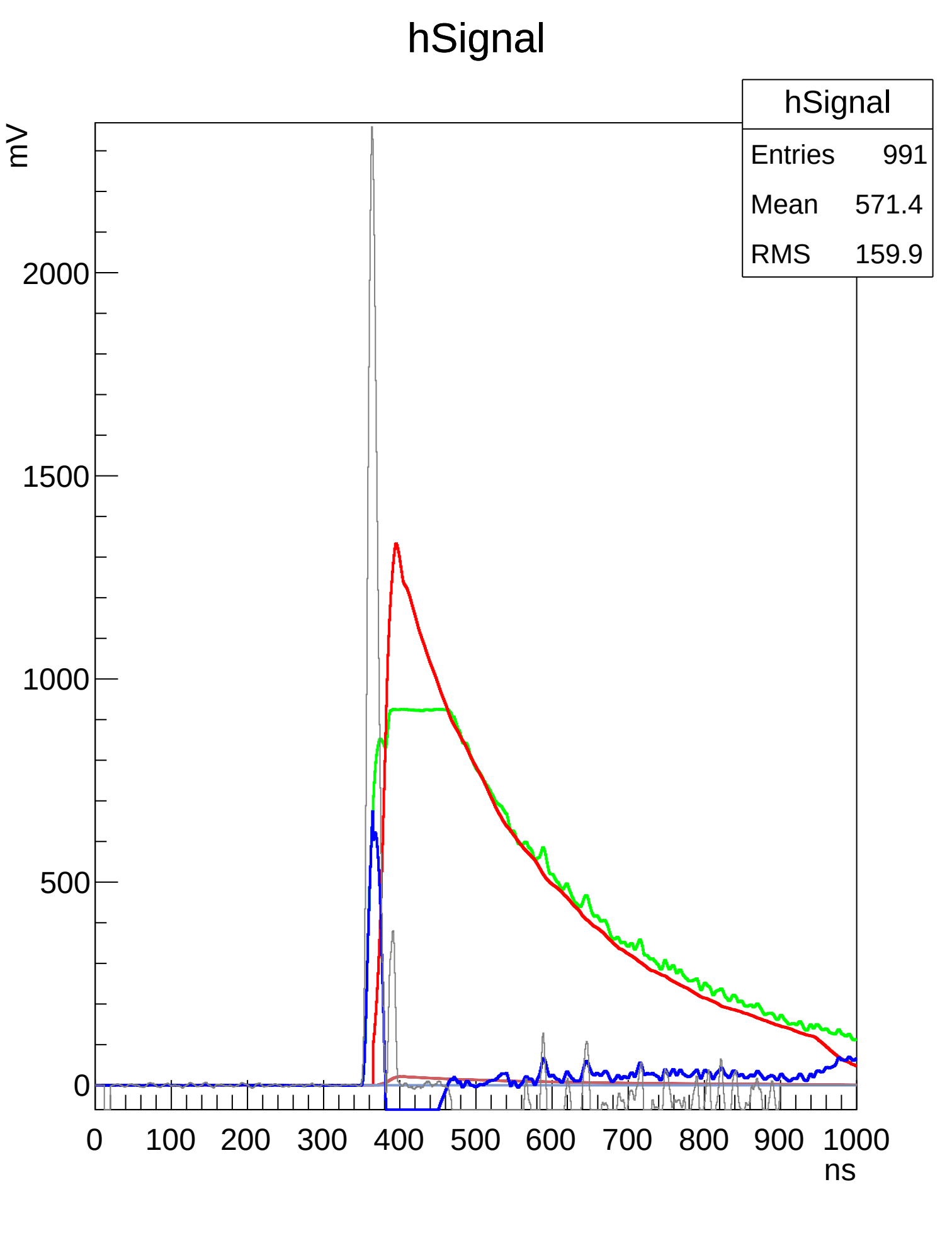

hSignal
hSignal
Entries 991
Mean 627.6
RMS 160.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

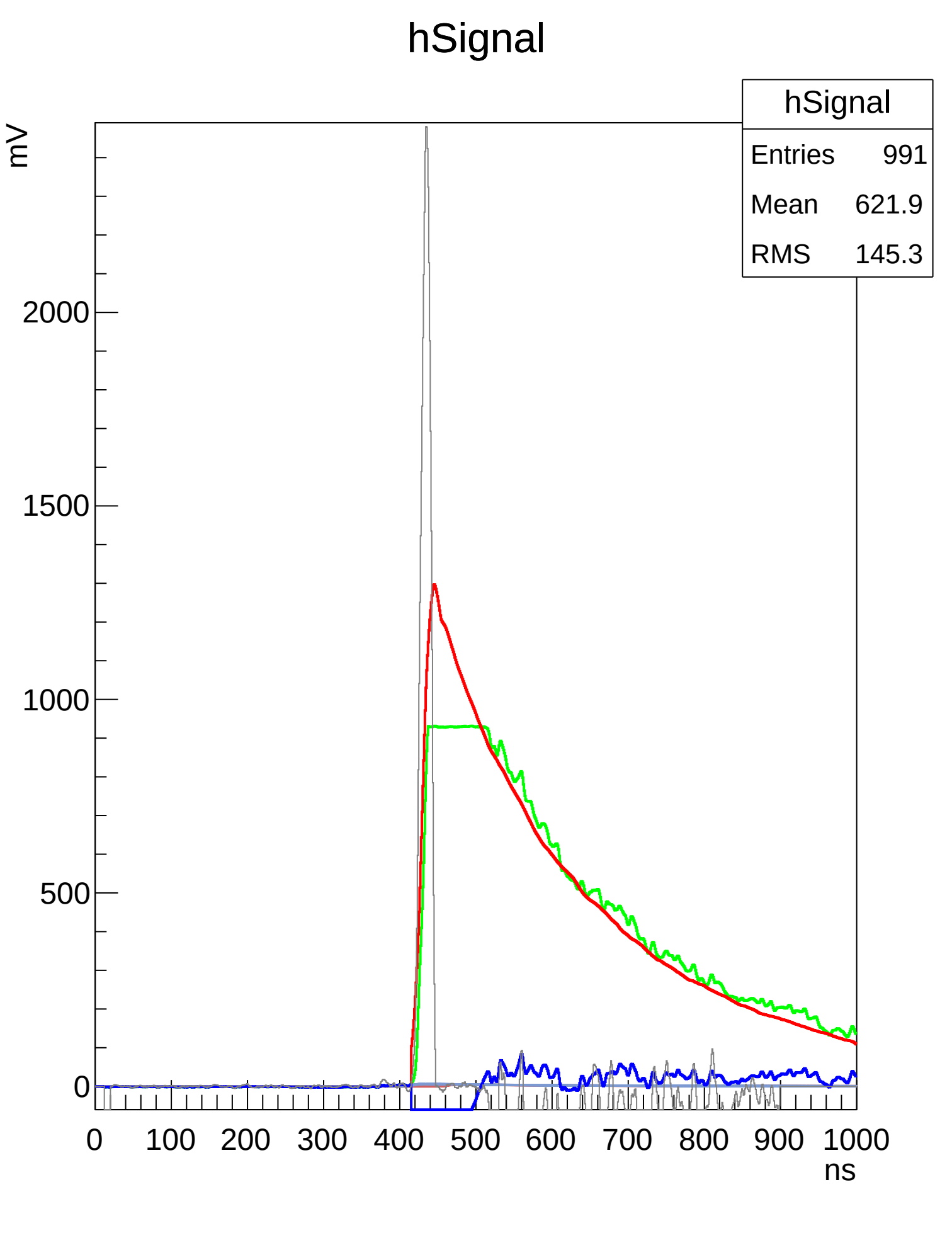

hSignal
hSignal
Entries 991
Mean 588.2
RMS 139.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

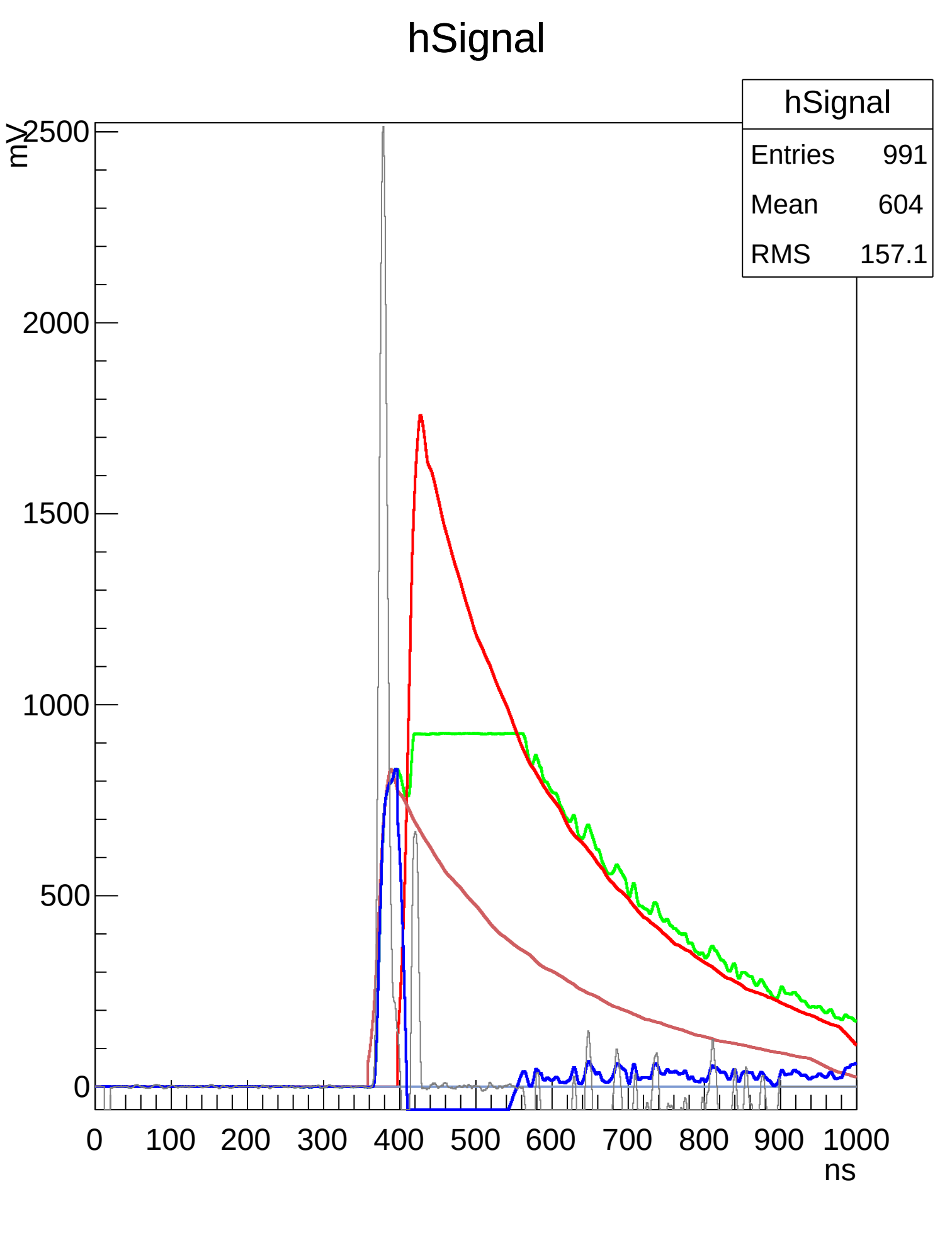

hSignal
hSignal
Entries 991
Mean 607.4
RMS 152.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

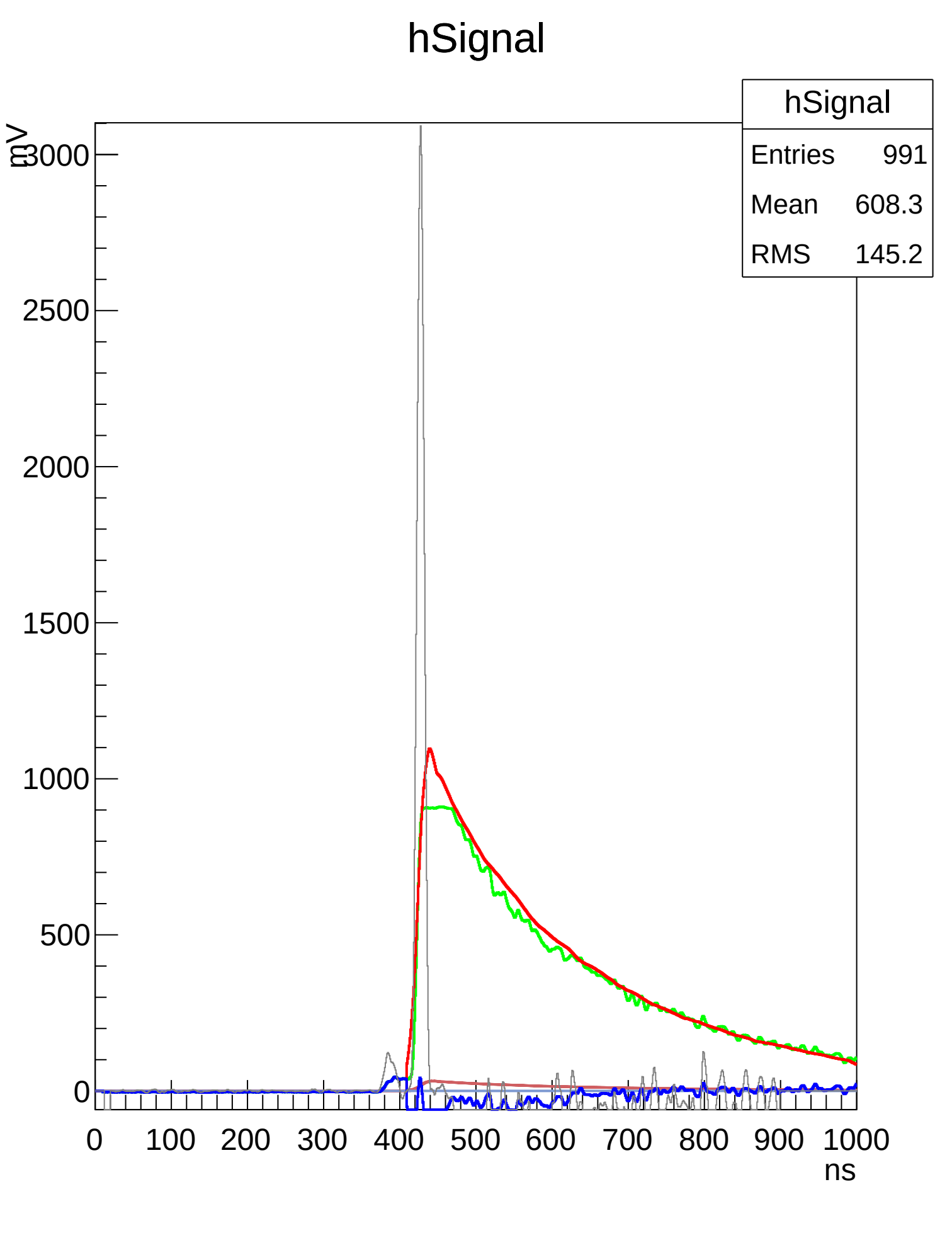

hSignal
hSignal
Entries 991
Mean 640.3
RMS 159.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

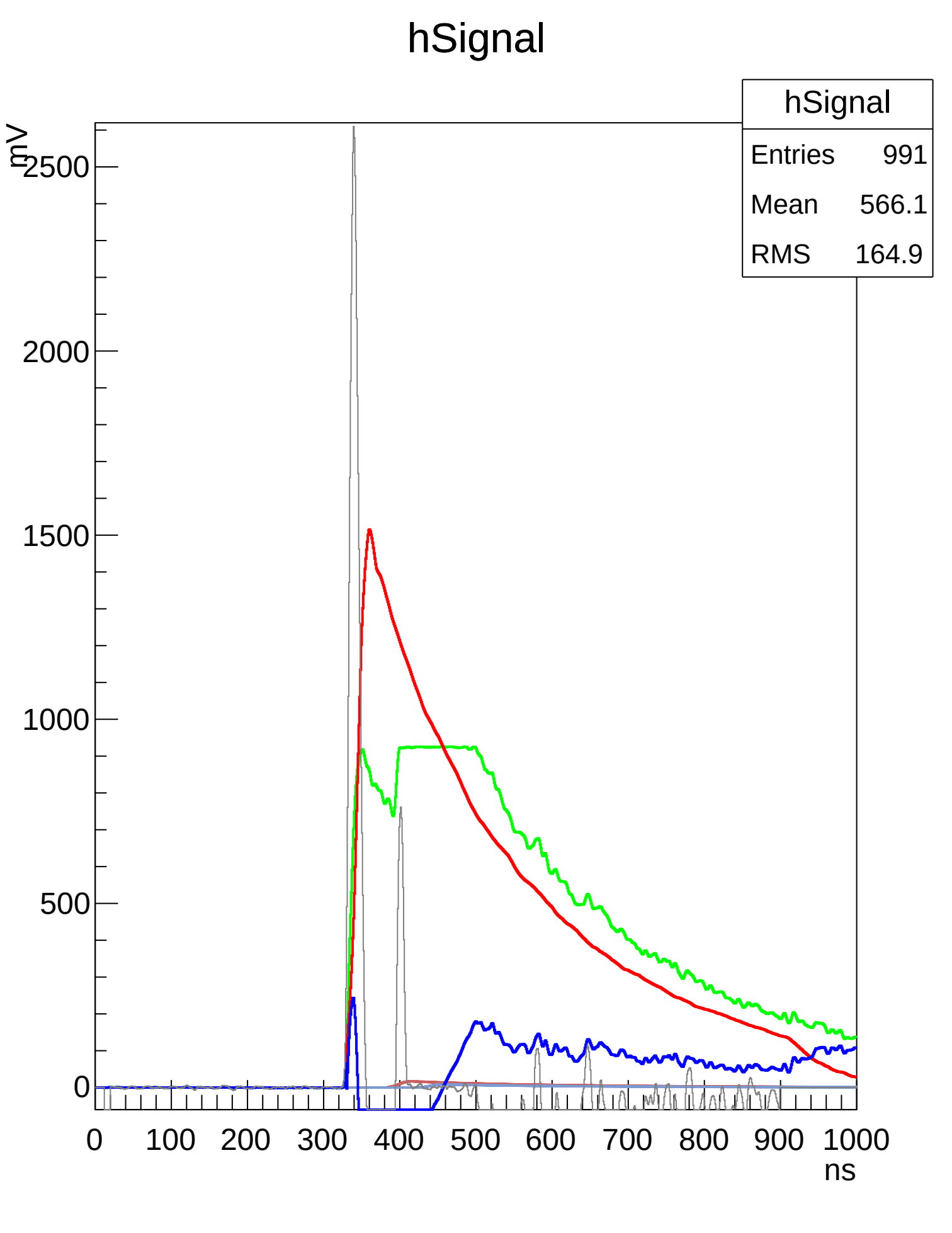

hSignal
hSignal
Entries 991
Mean 607.7
RMS 147.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

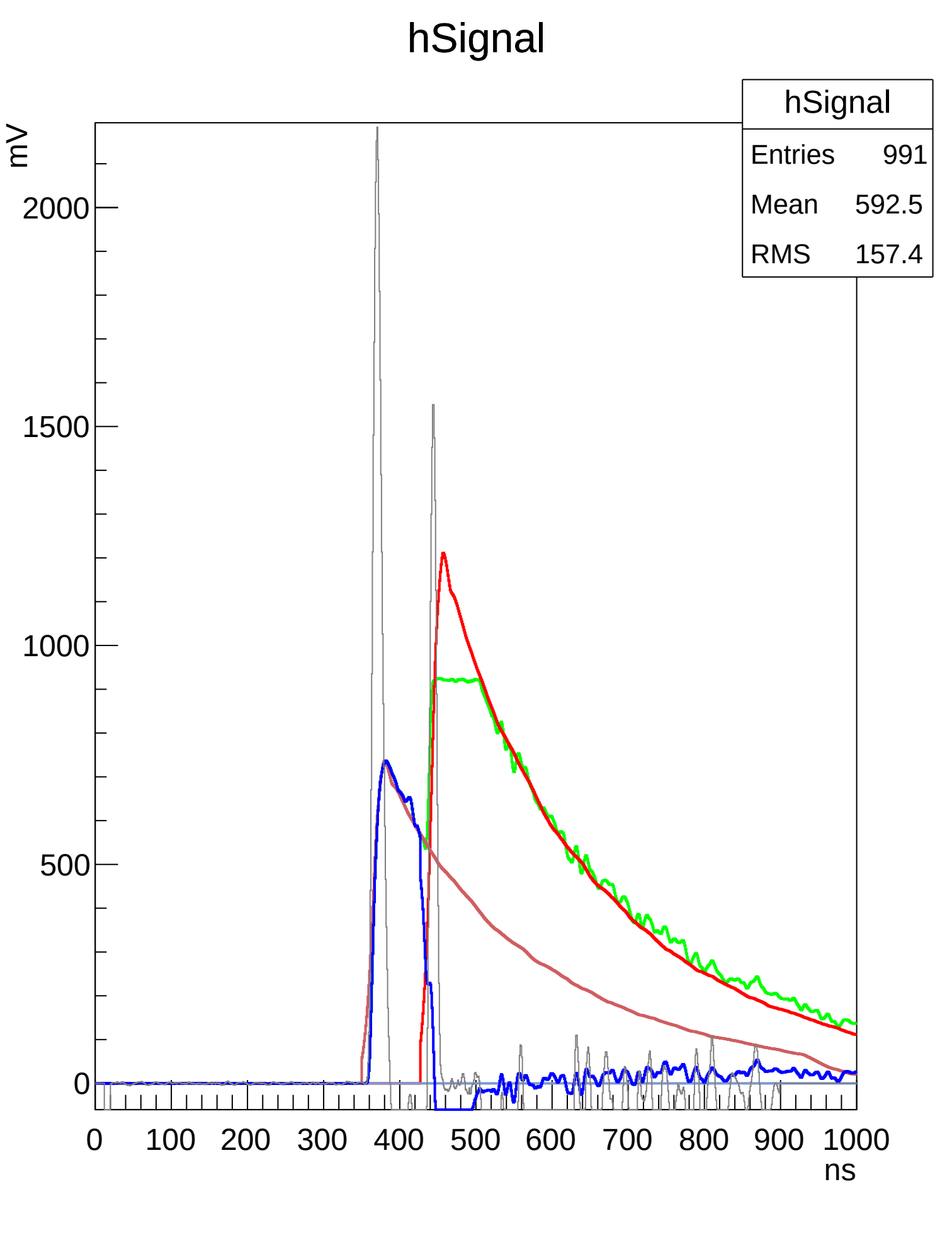

hSignal
hSignal
Entries 991
Mean 571.4
RMS 159.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

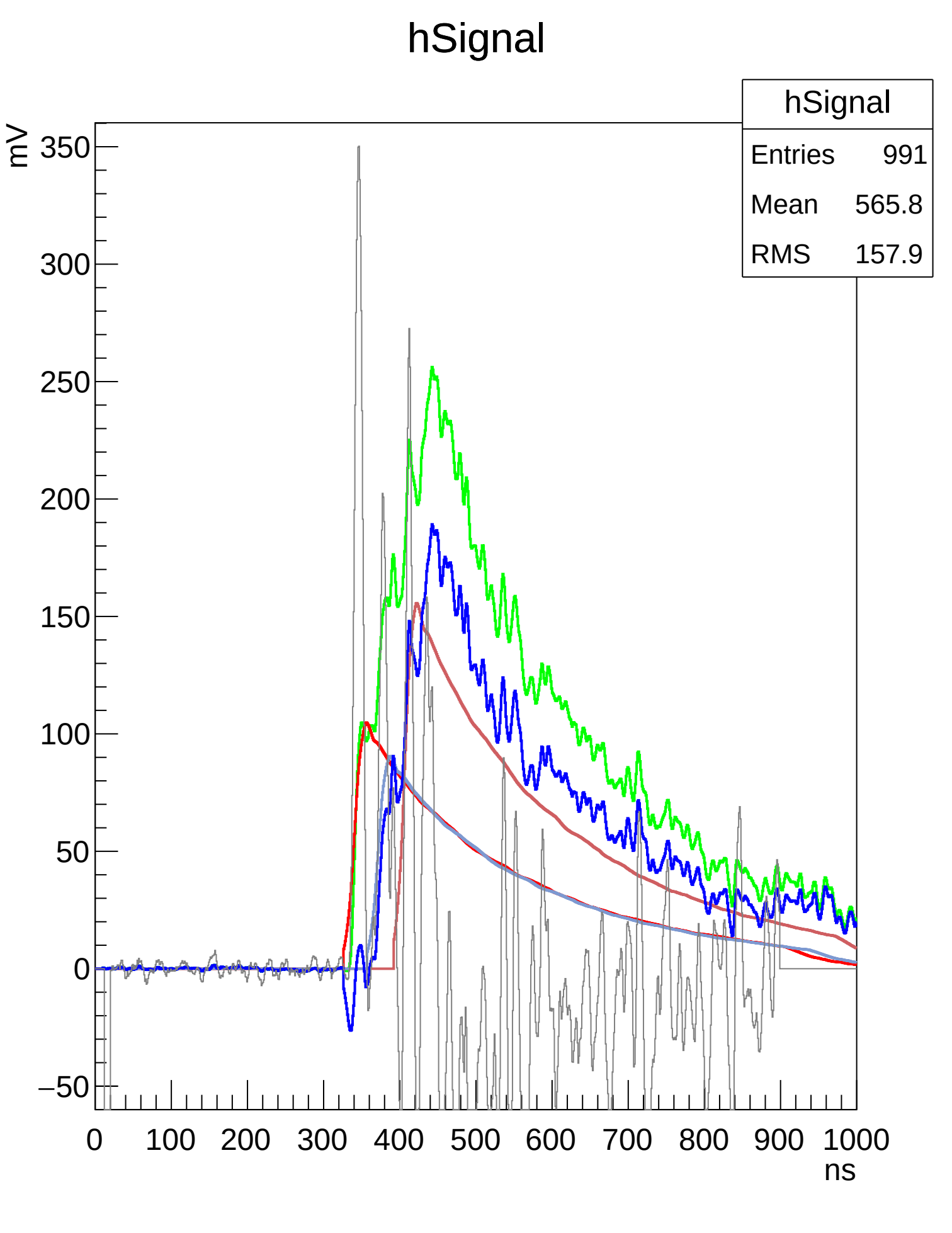

hSignal
hSignal
Entries 991
Mean 621.9
RMS 145.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

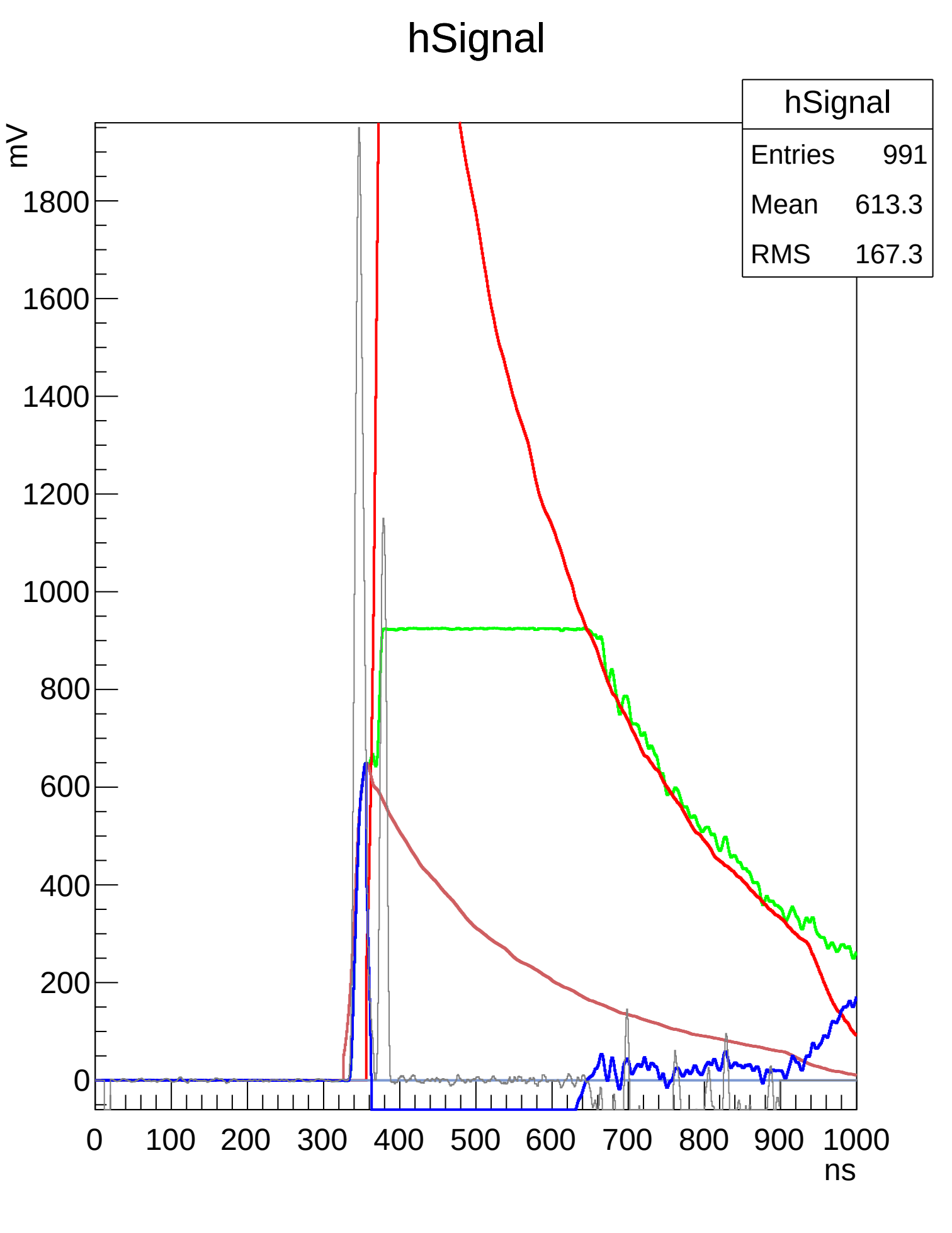

hSignal
hSignal
Entries 991
Mean 604
RMS 157.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

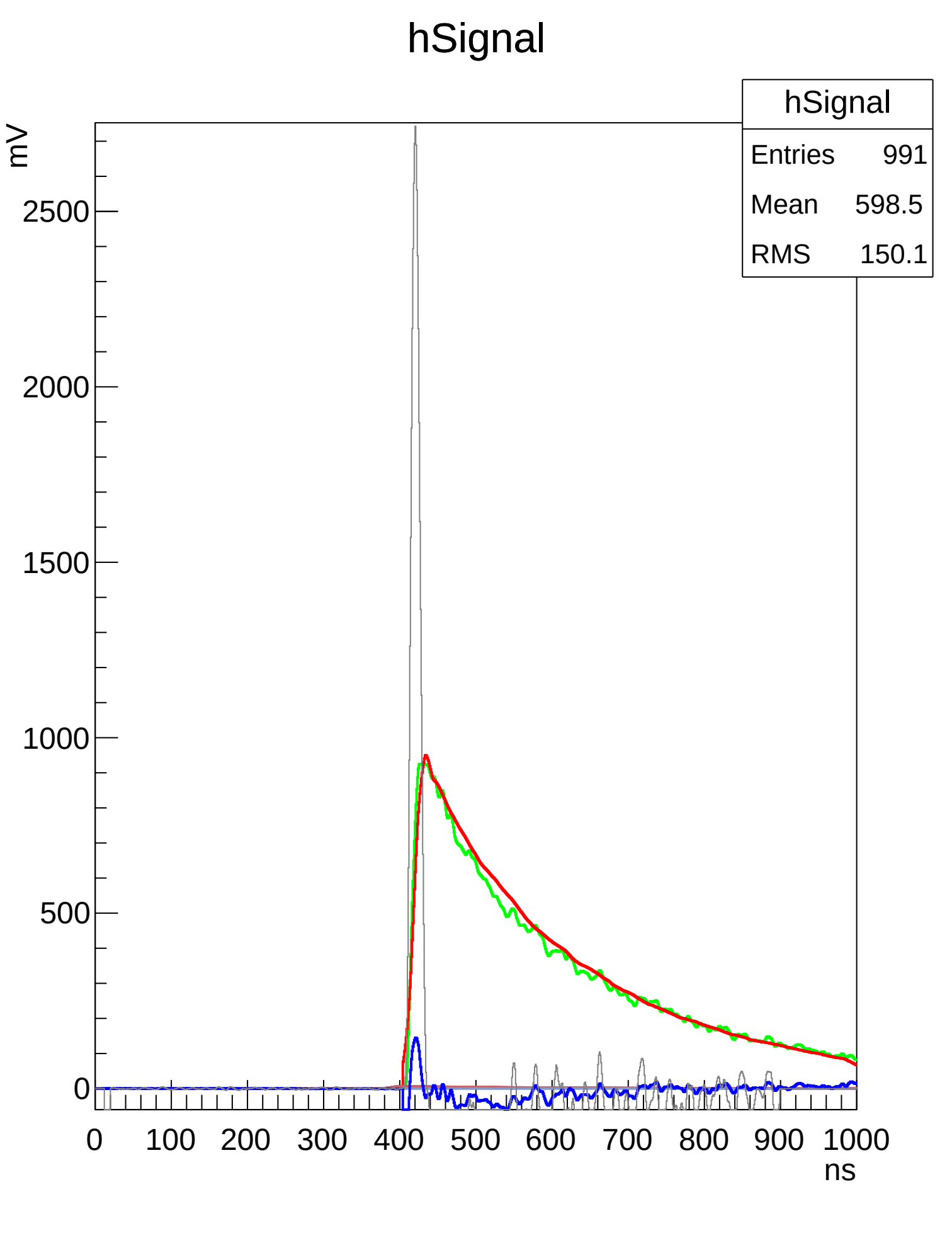

hSignal
hSignal
Entries 991
Mean 608.3
RMS 145.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

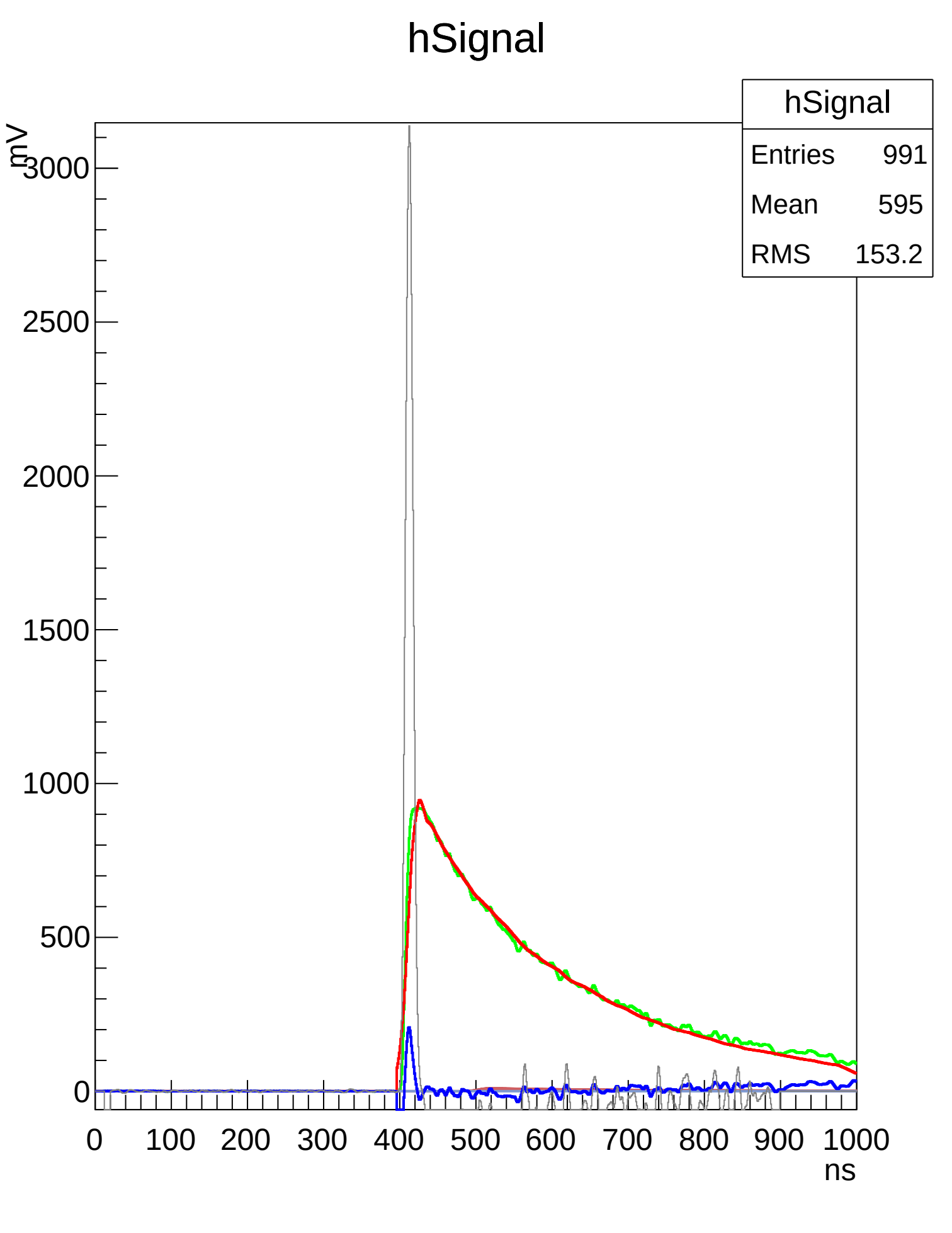

hSignal
hSignal
Entries 991
Mean 566.1
RMS 164.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

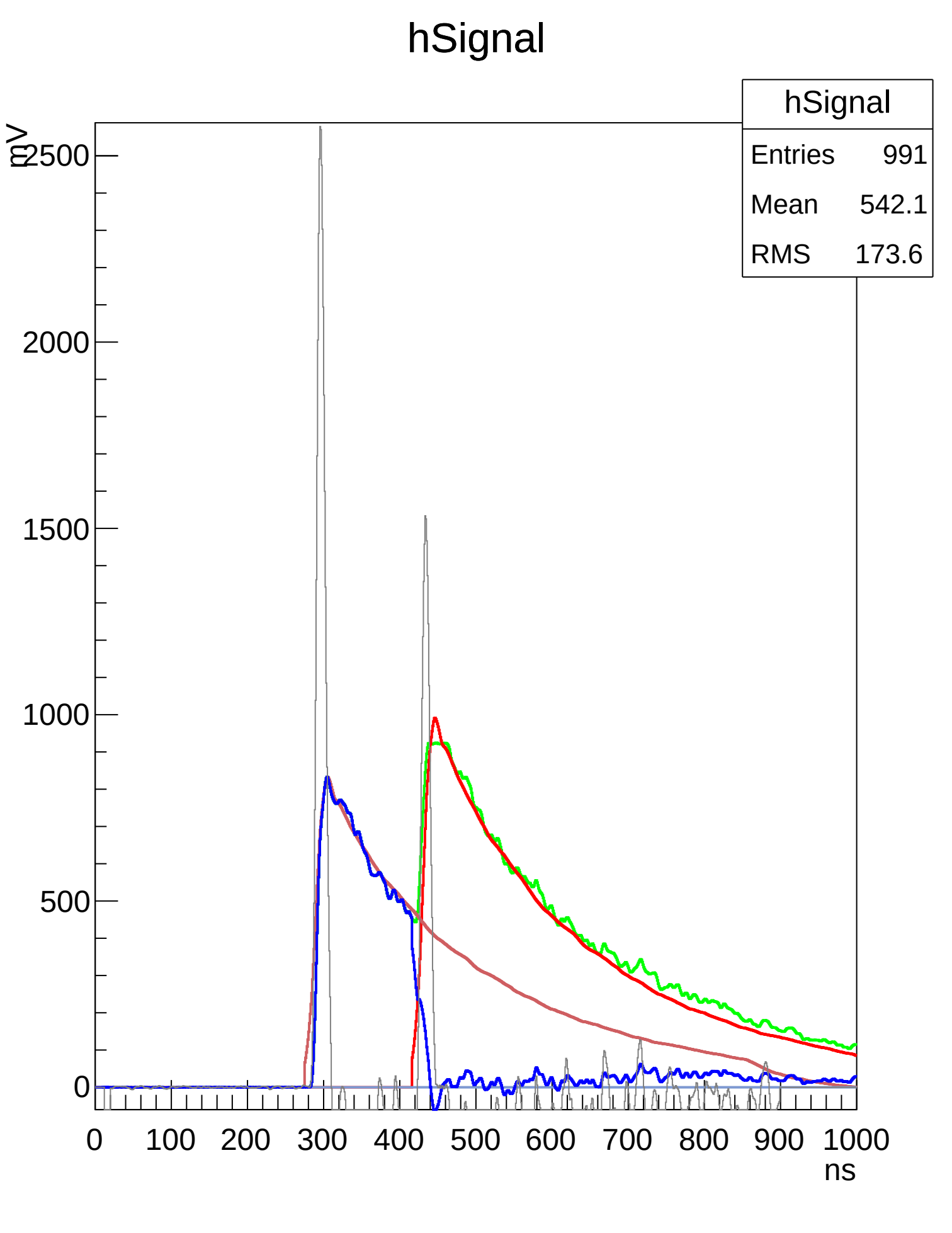

hSignal
hSignal
Entries 991
Mean 592.5
RMS 157.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

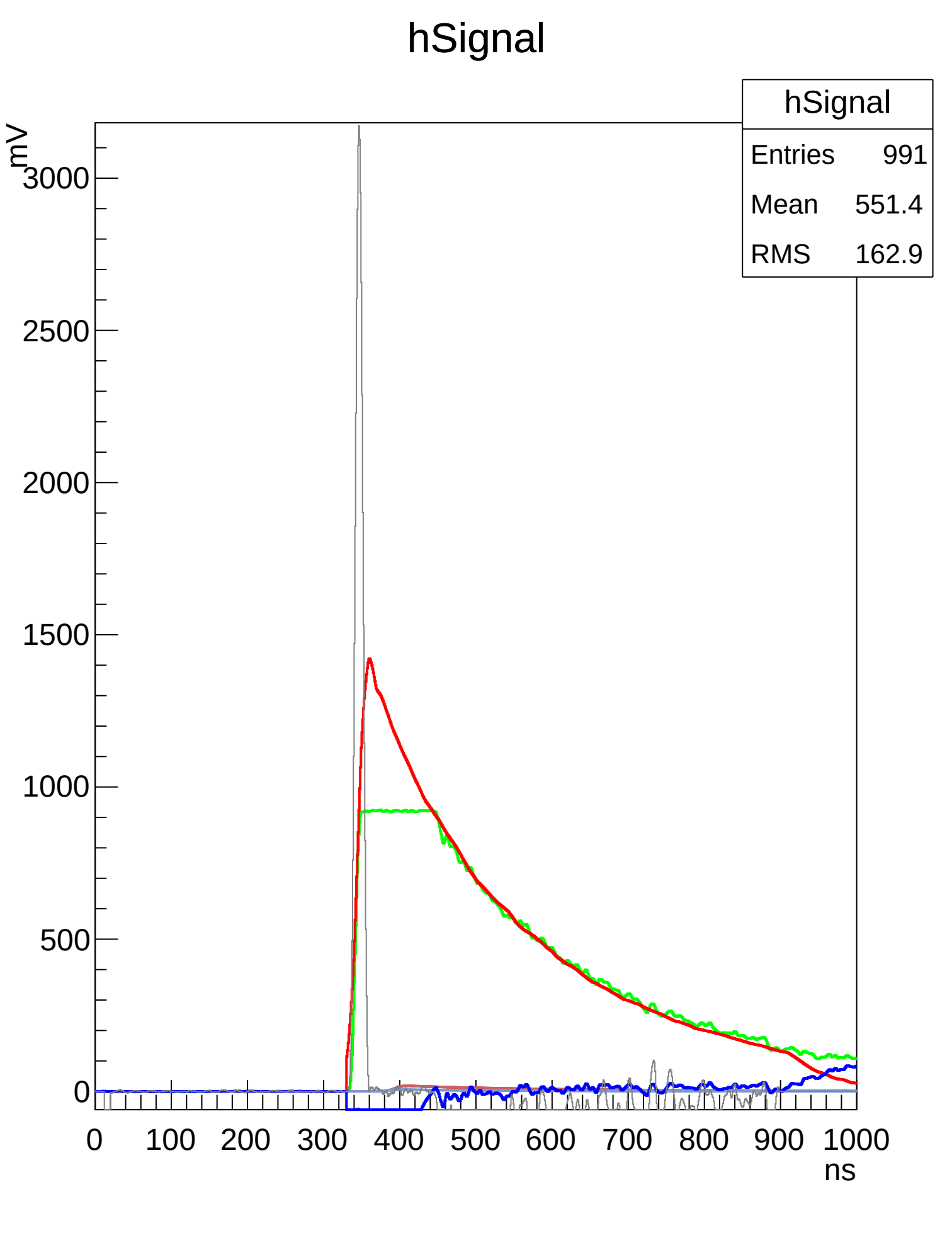

hSignal
hSignal
Entries 991
Mean 565.8
RMS 157.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

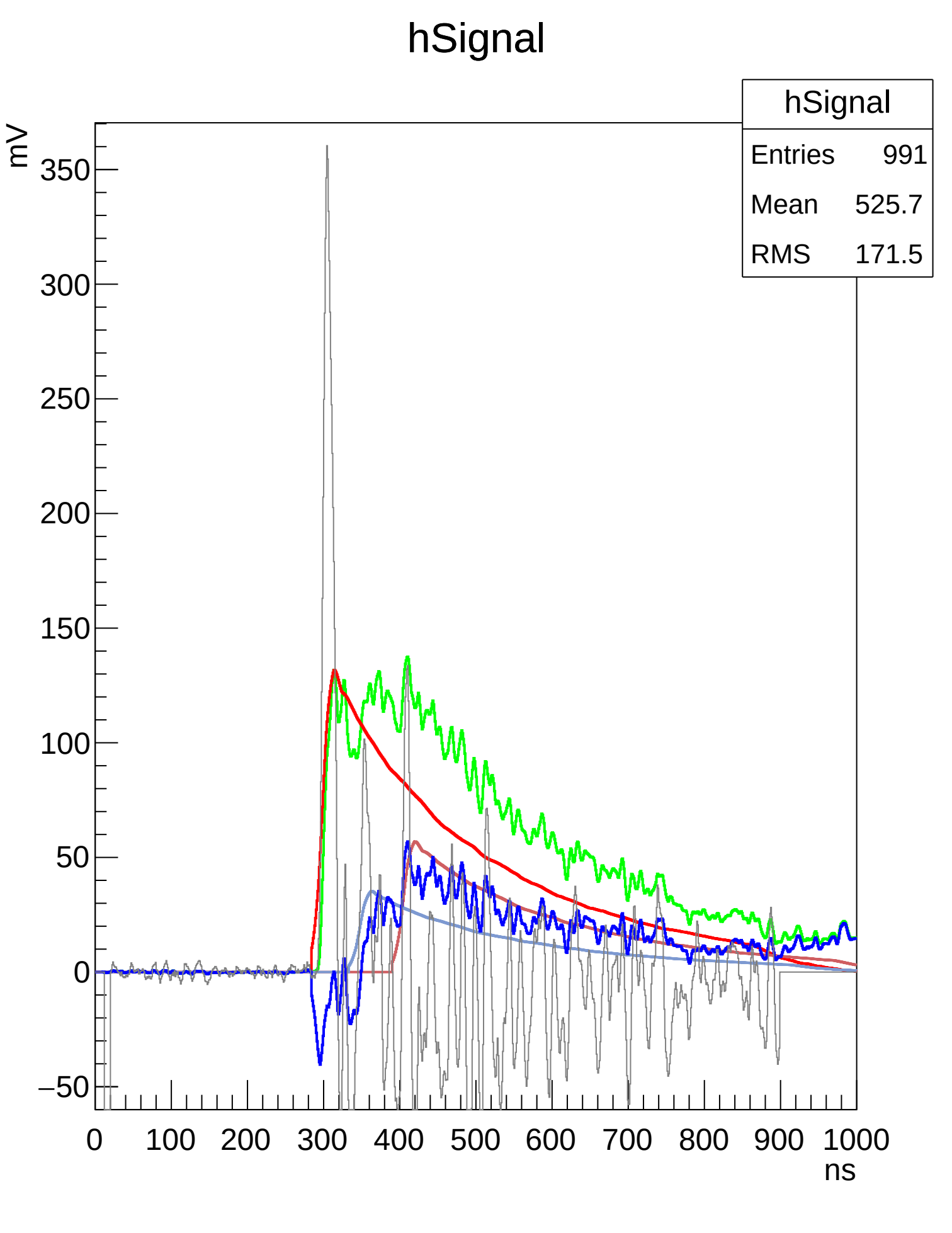

hSignal
hSignal
Entries 991
Mean 613.3
RMS 167.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

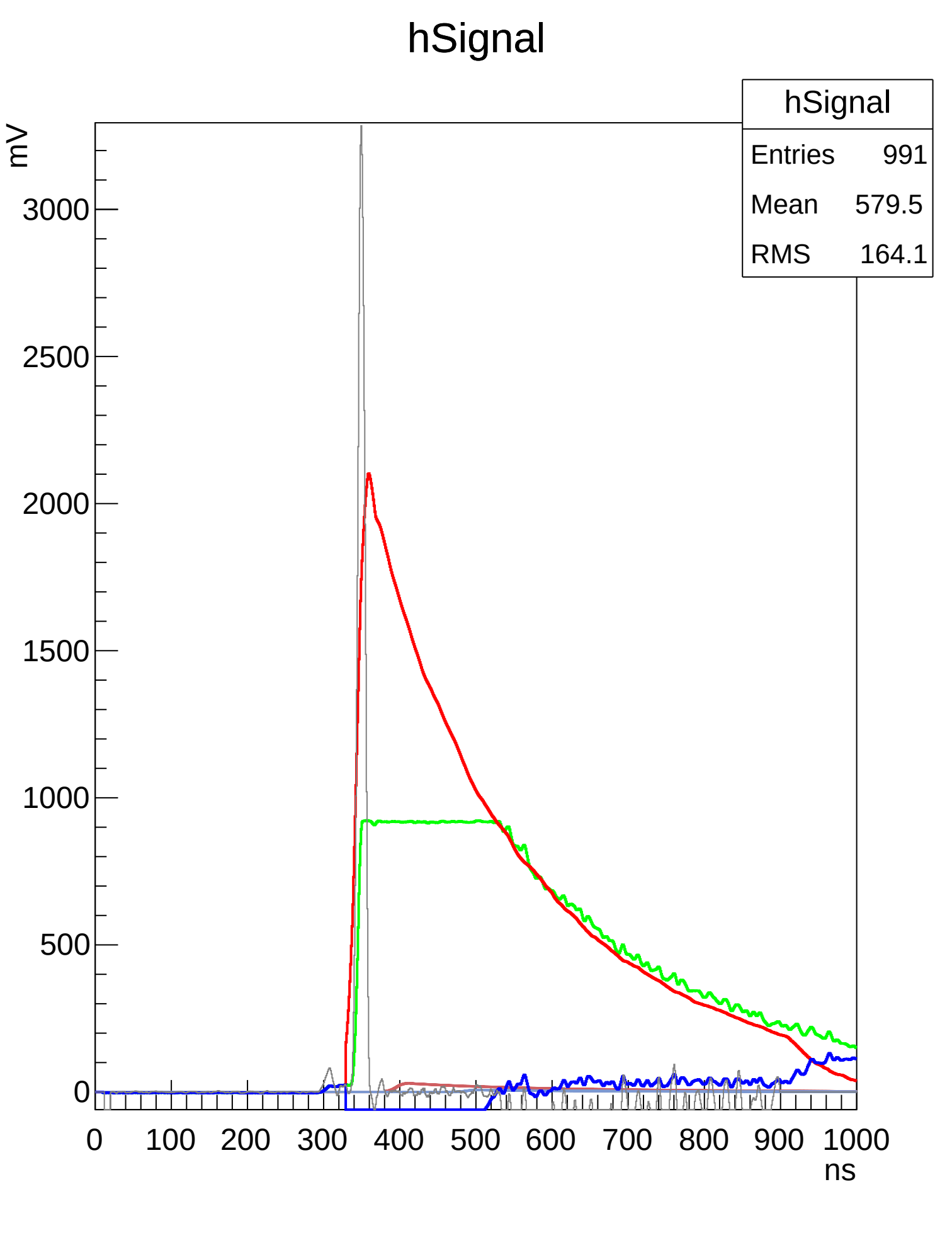

hSignal
hSignal
Entries 991
Mean 598.5
RMS 150.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

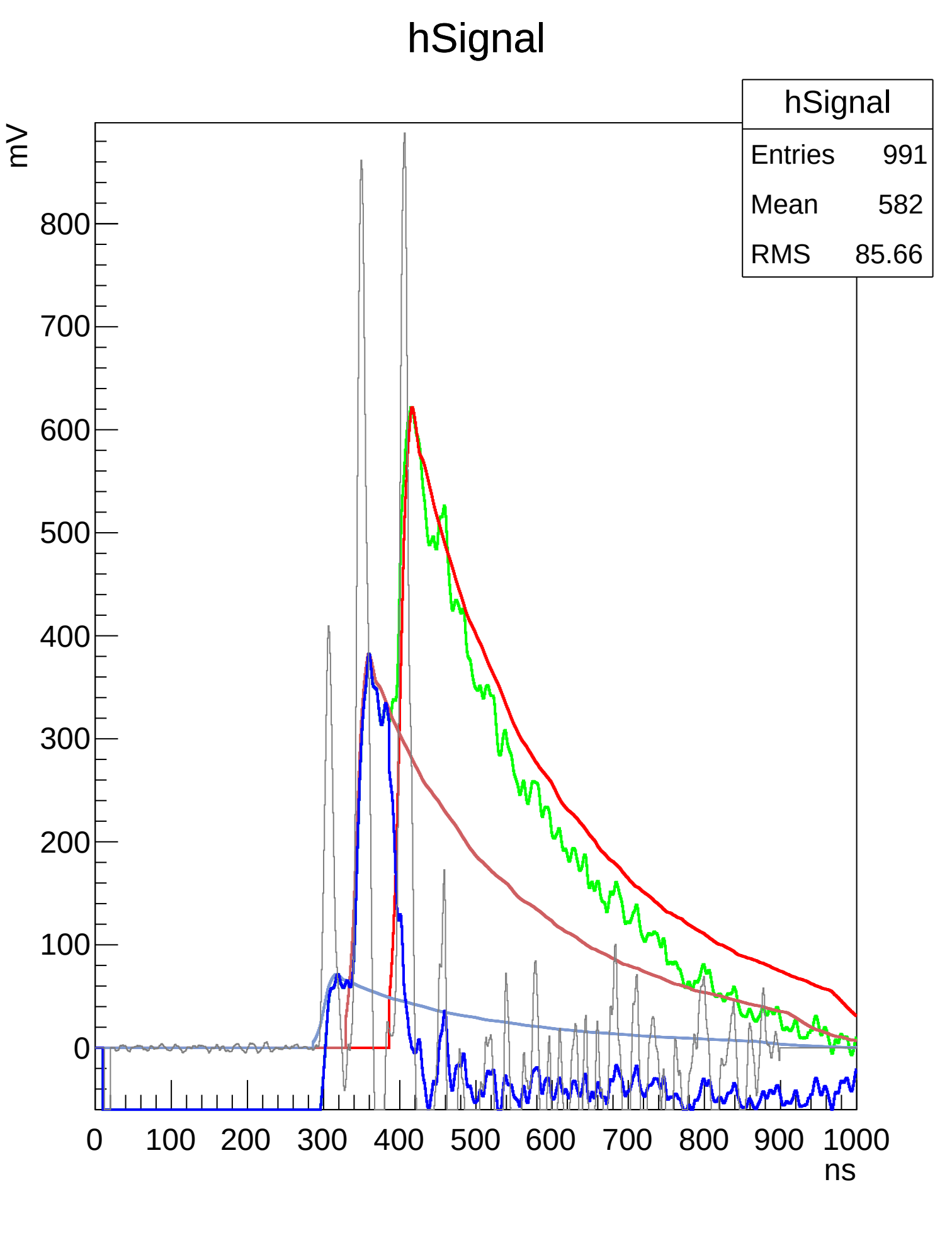

hSignal
hSignal
Entries 991
Mean 595
RMS 153.2
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

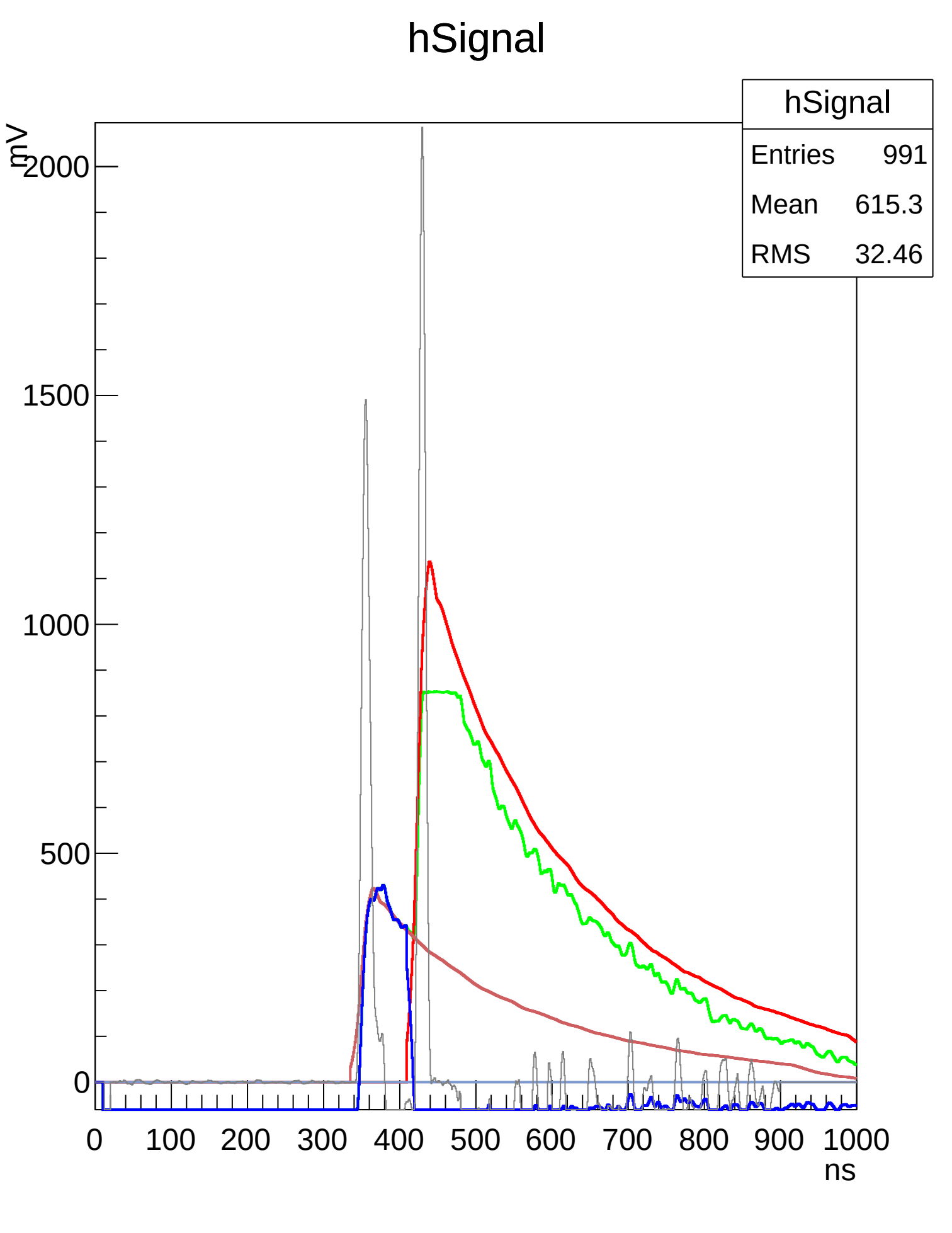

hSignal
hSignal
Entries 991
Mean 542.1
RMS 173.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

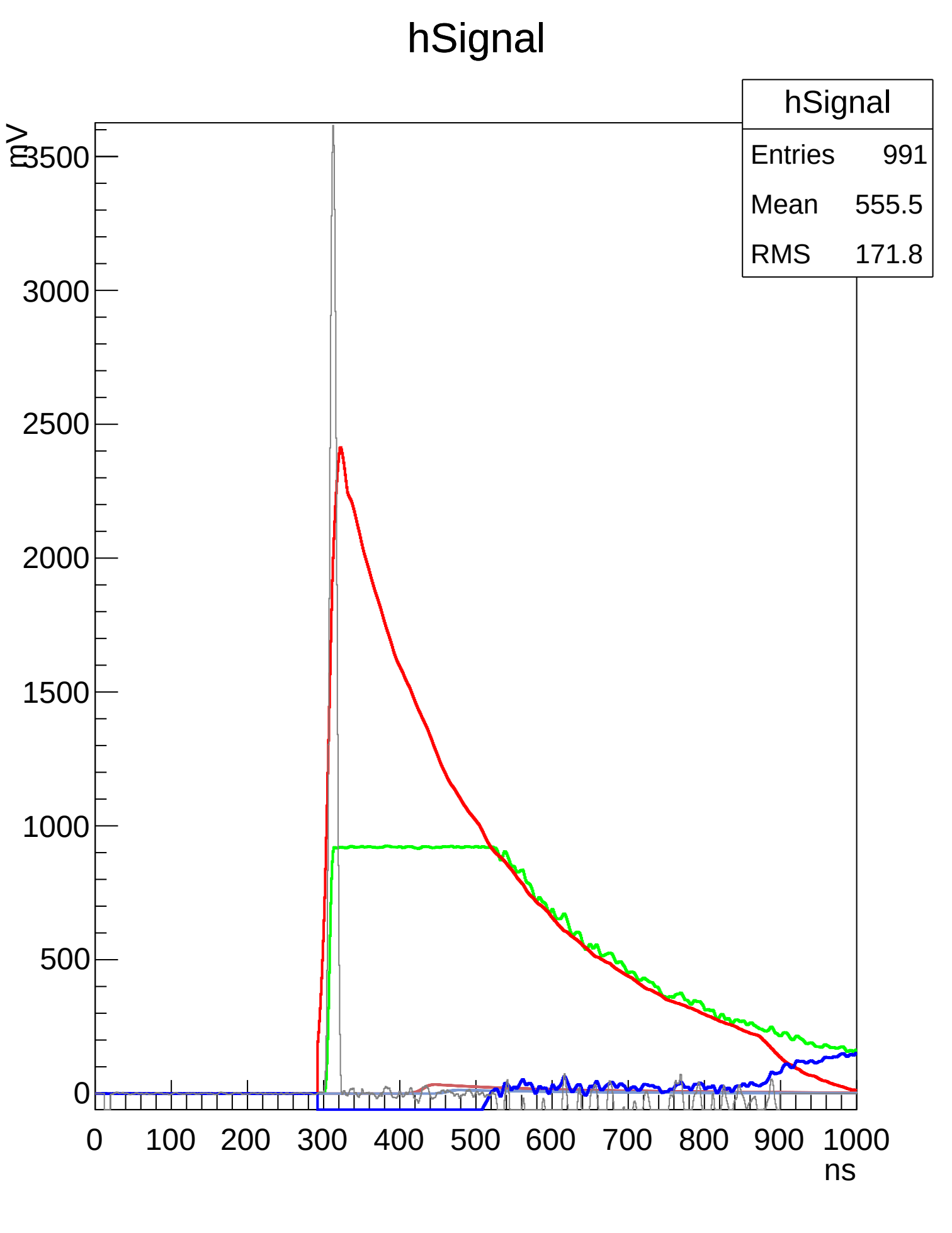

hSignal
hSignal
Entries 991
Mean 551.4
RMS 162.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

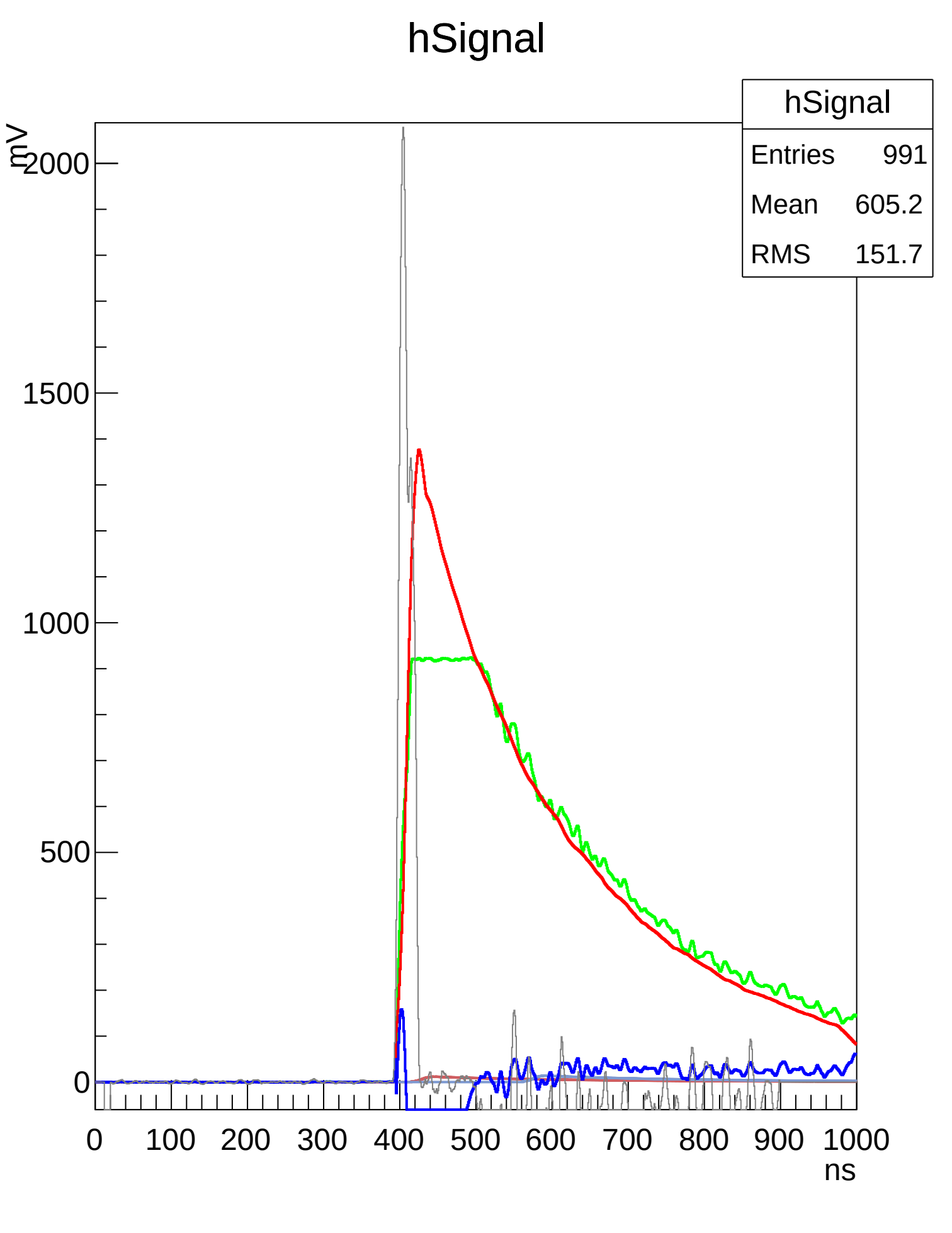

hSignal
hSignal
Entries 991
Mean 525.7
RMS 171.5
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

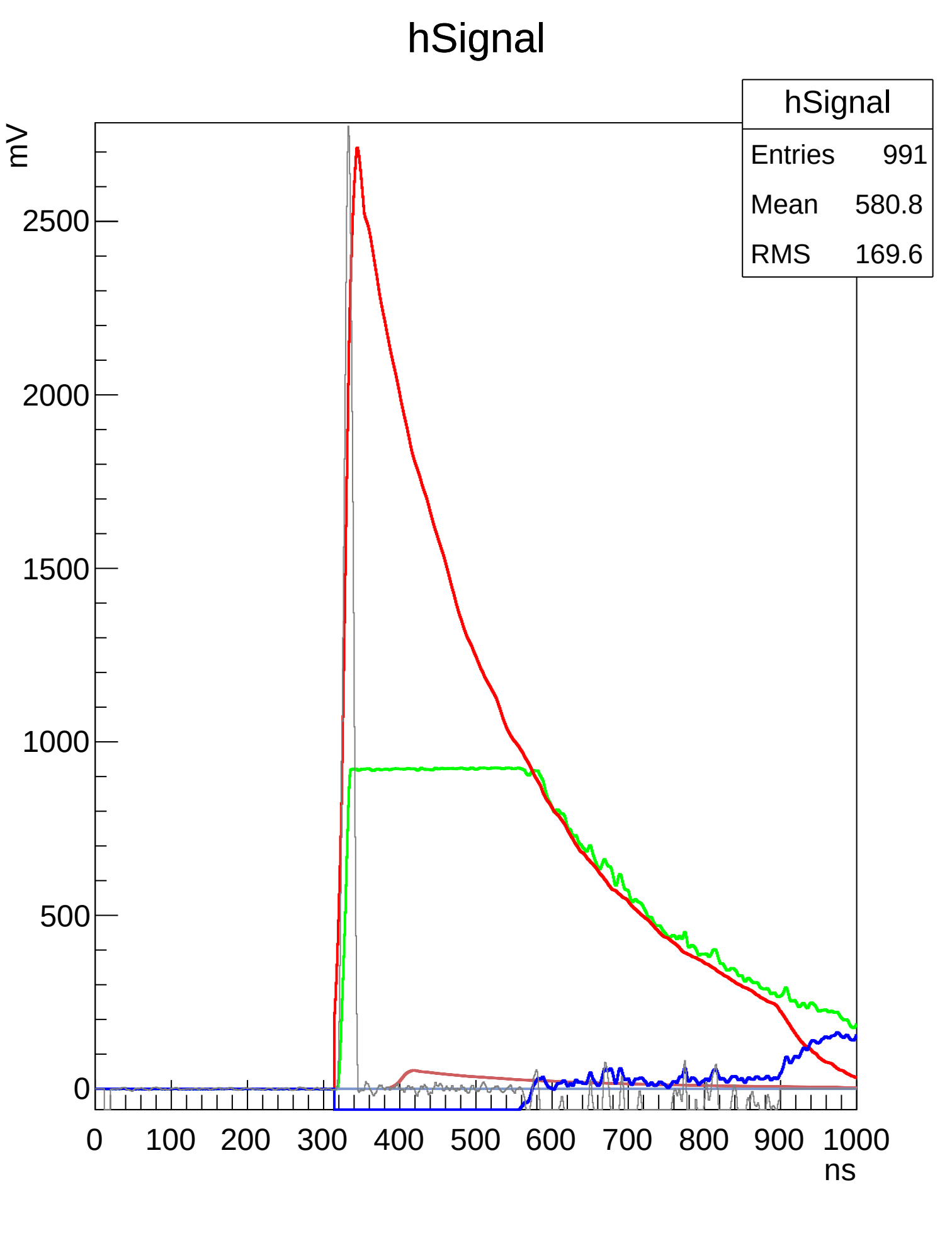

hSignal
hSignal
Entries 991
Mean 579.5
RMS 164.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

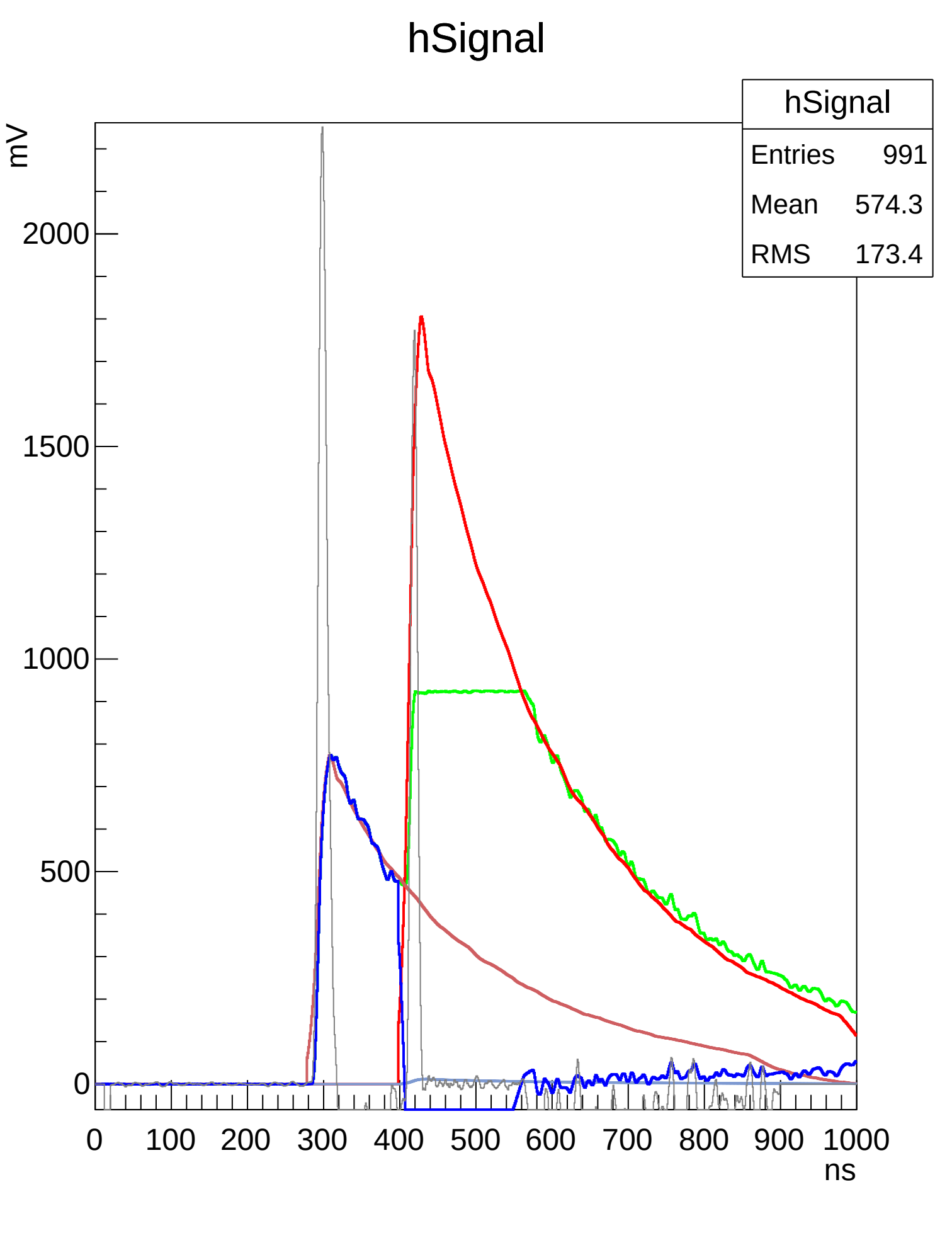

hSignal
hSignal
Entries 991
Mean 582
RMS 85.66
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

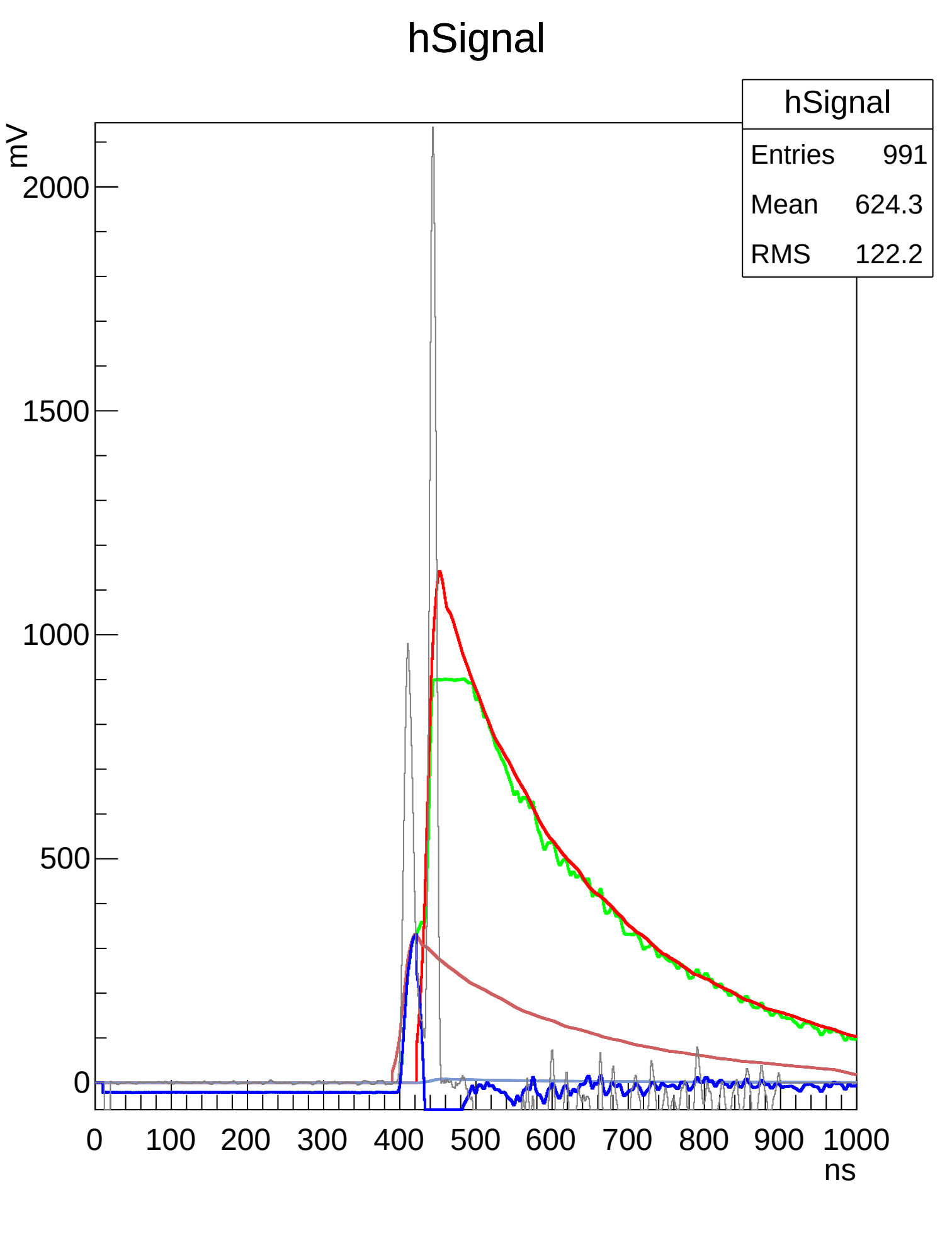

hSignal
hSignal
Entries 991
Mean 615.3
RMS 32.46
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

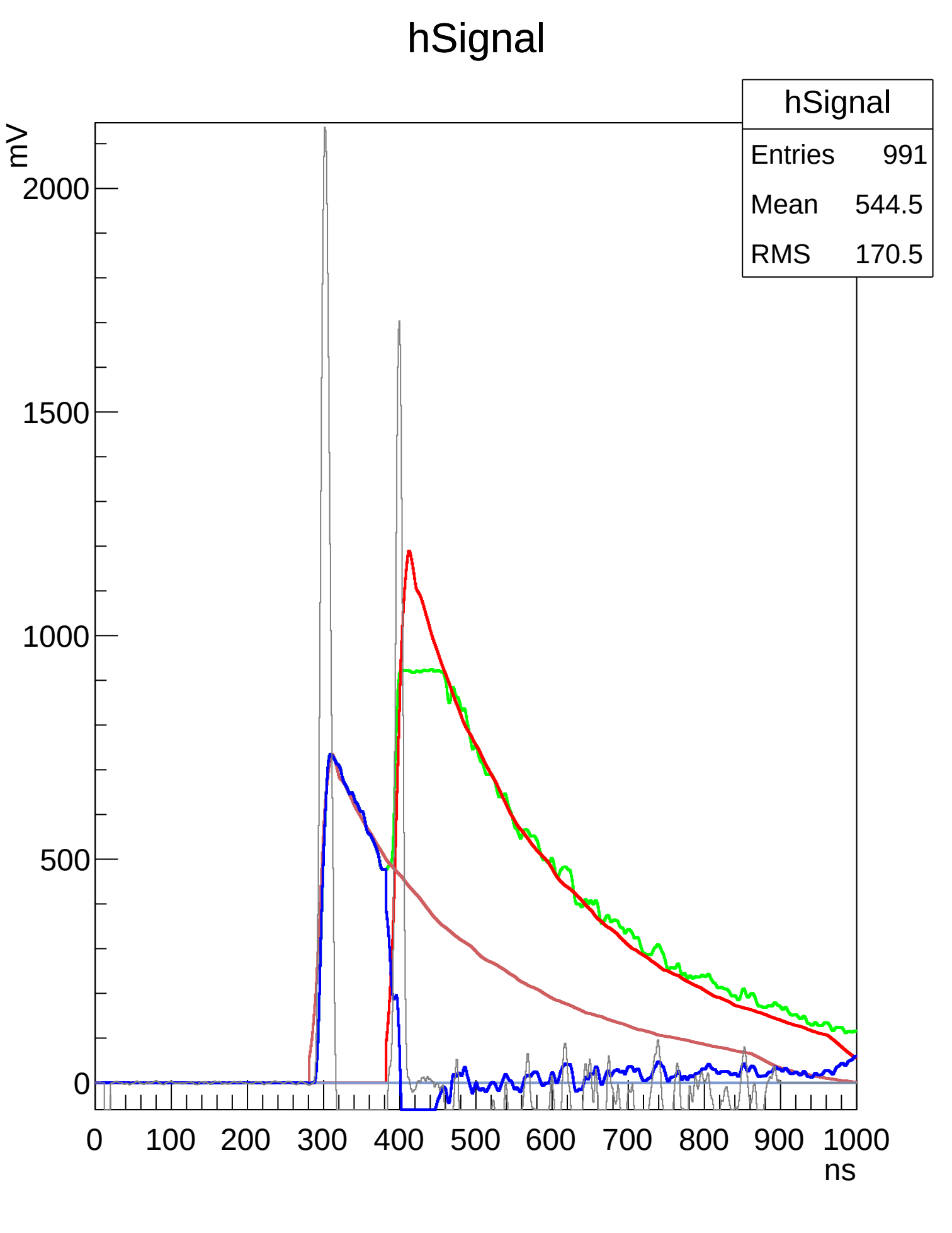

hSignal
hSignal
Entries 991
Mean 555.5
RMS 171.8
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

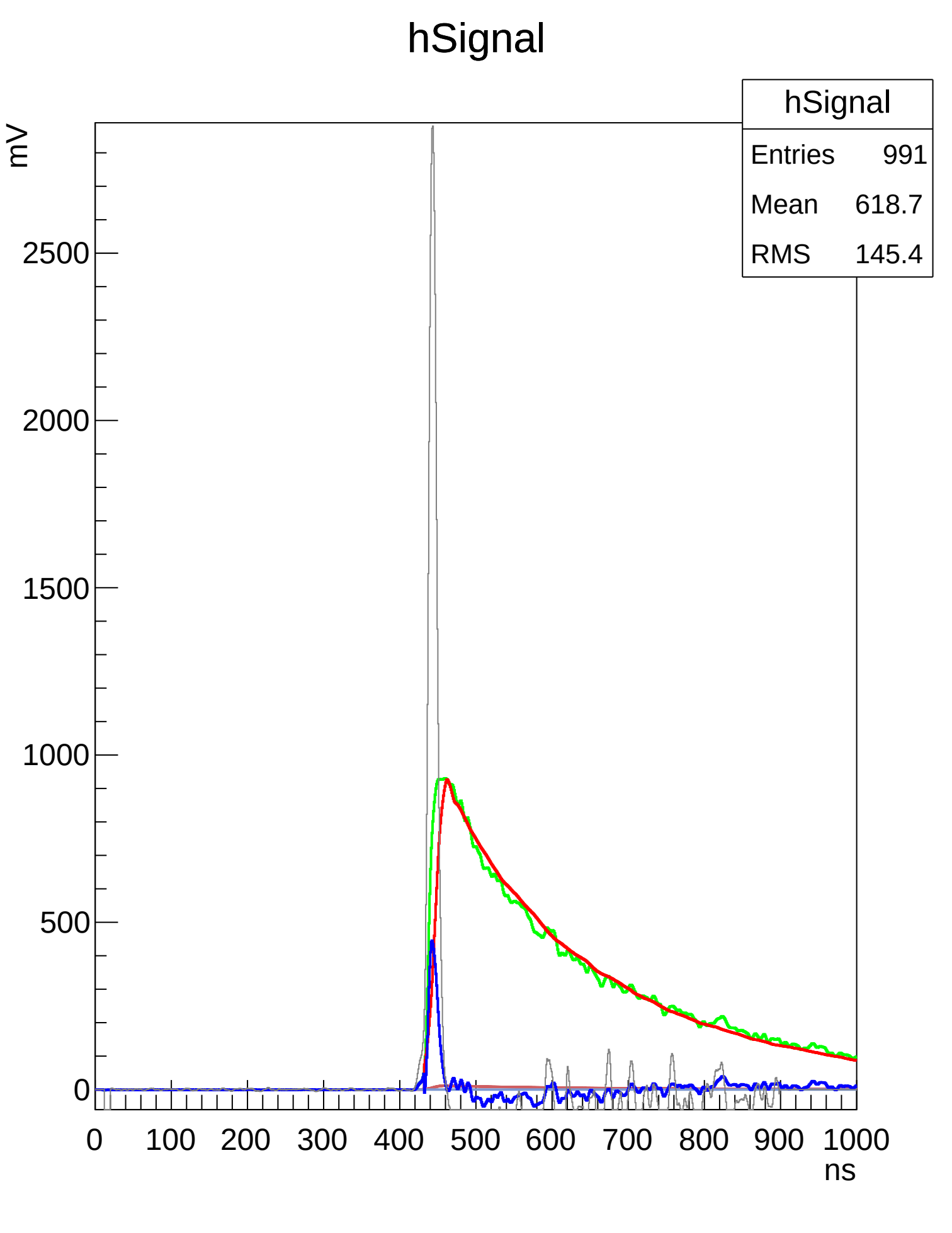

hSignal
hSignal
Entries 991
Mean 605.2
RMS 151.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

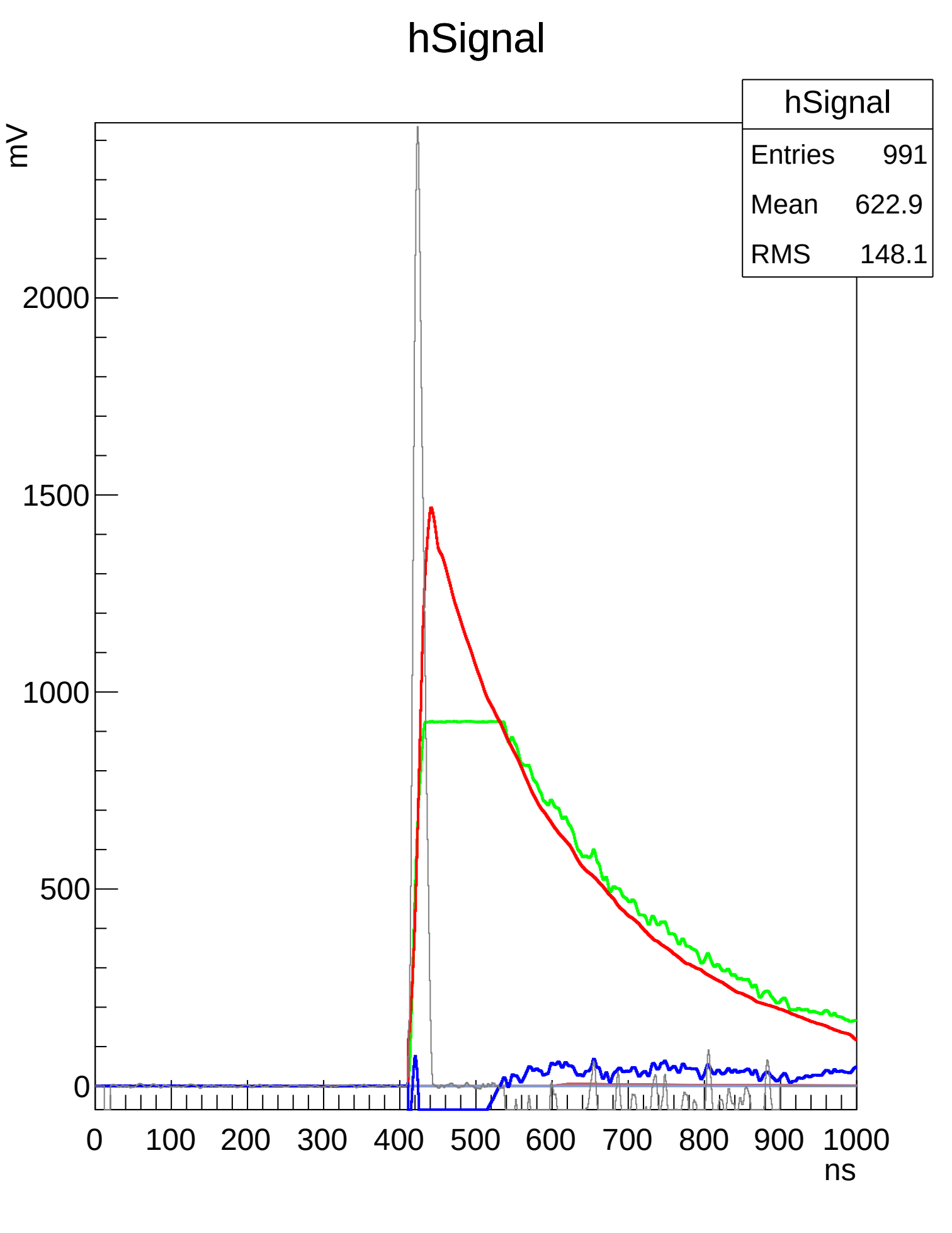

hSignal
hSignal
Entries 991
Mean 580.8
RMS 169.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

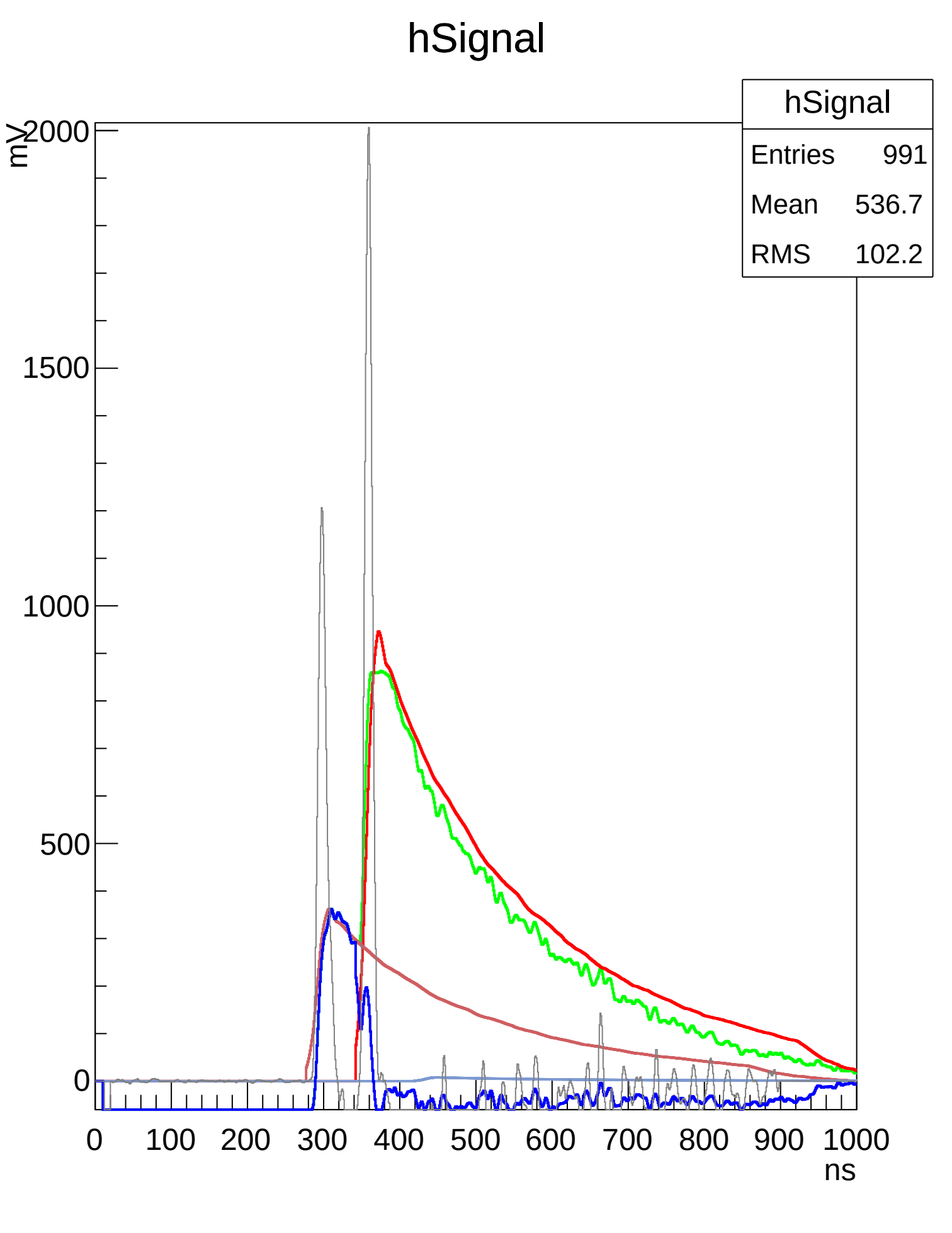

hSignal
hSignal
Entries 991
Mean 574.3
RMS 173.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

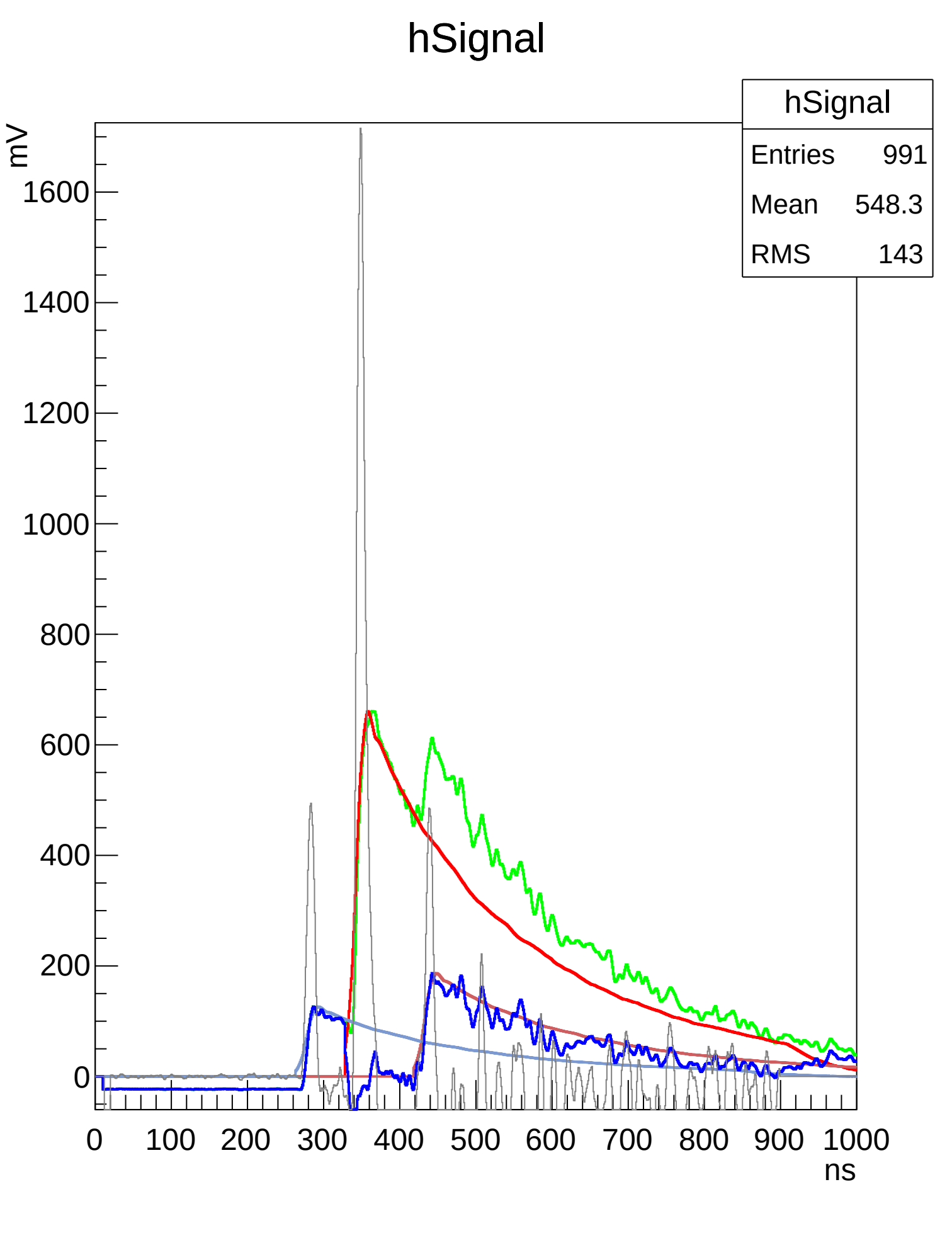

hSignal
hSignal
Entries 991
Mean 624.3
RMS 122.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

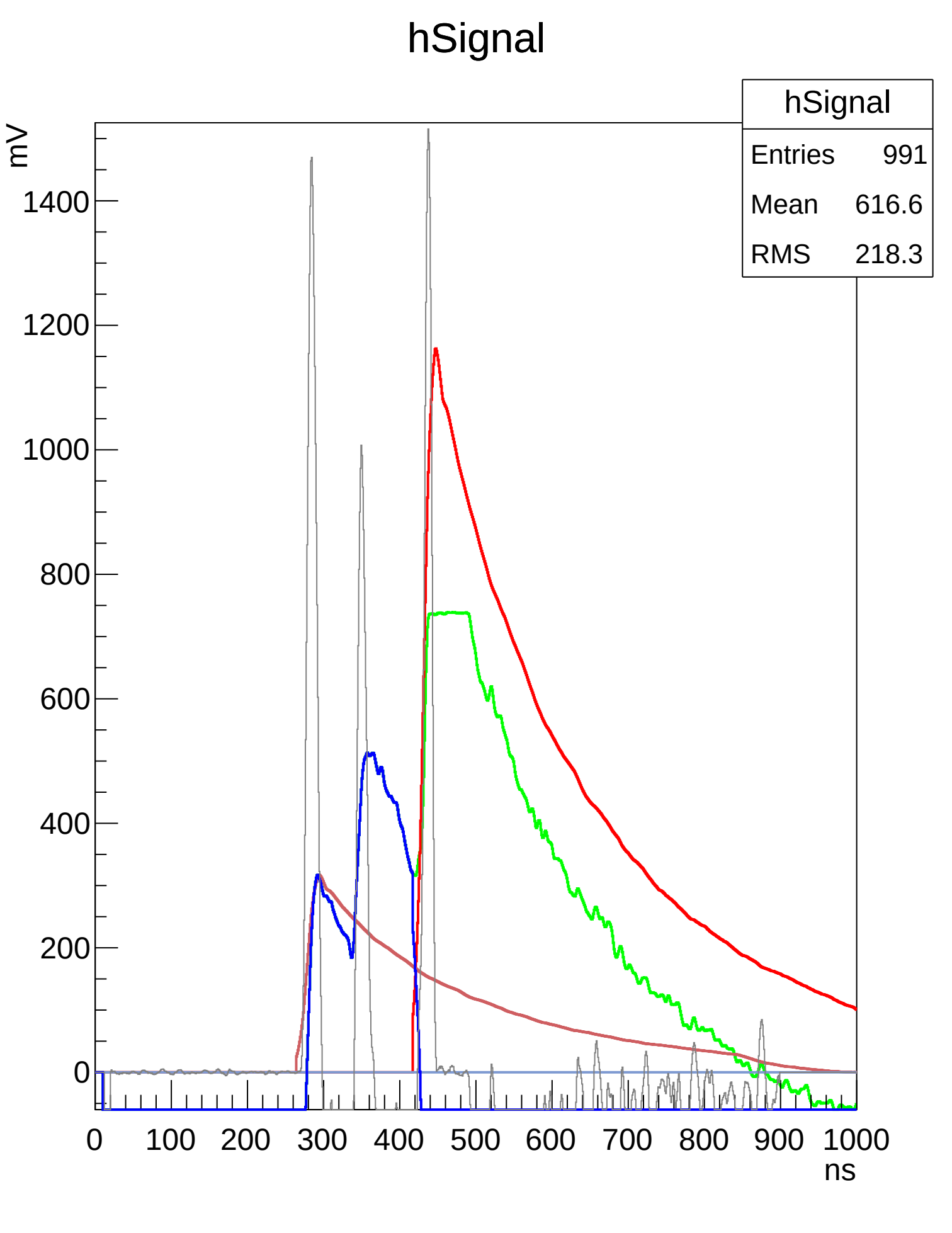

hSignal
hSignal
Entries 991
Mean 544.5
RMS 170.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

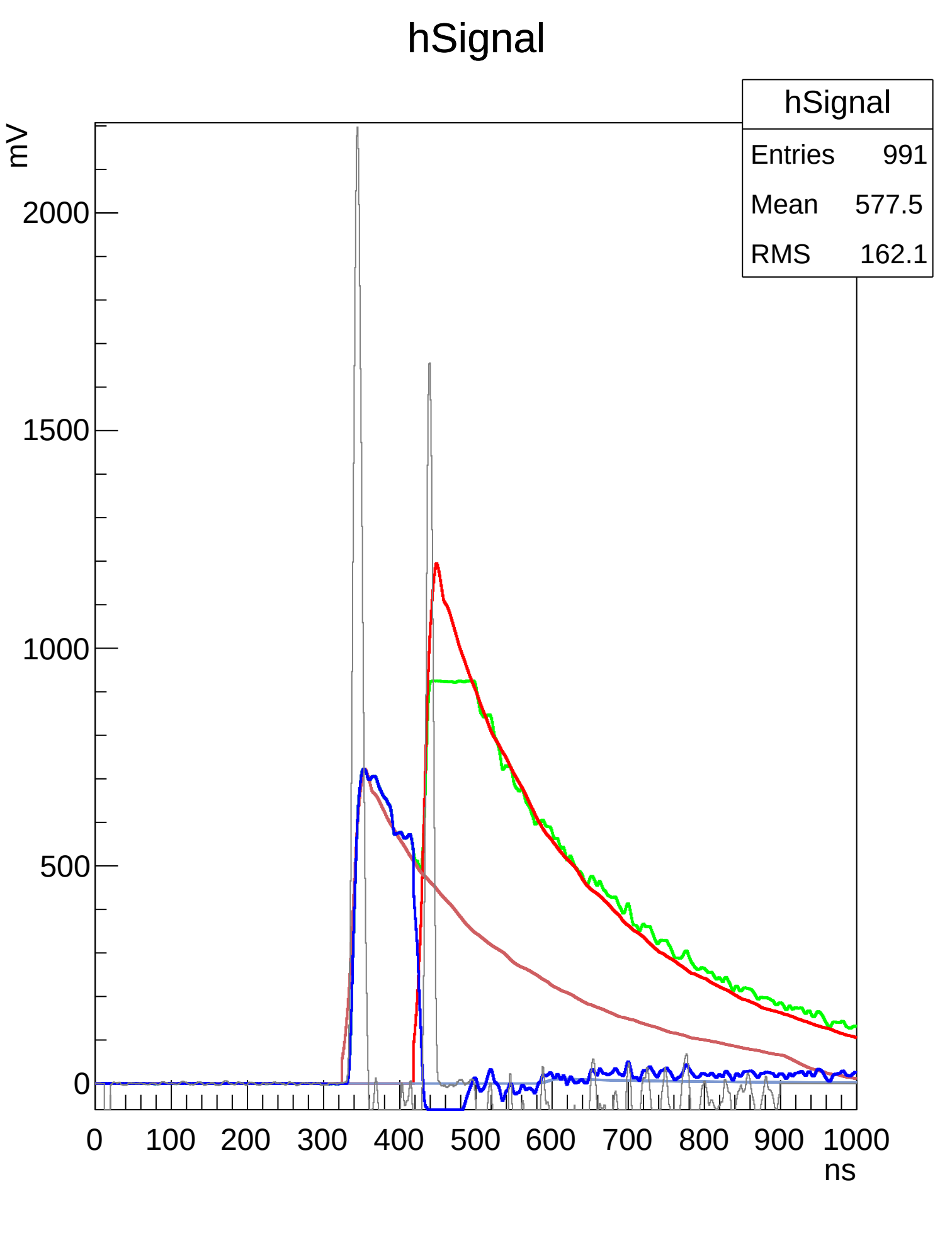

hSignal
hSignal
Entries 991
Mean 618.7
RMS 145.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

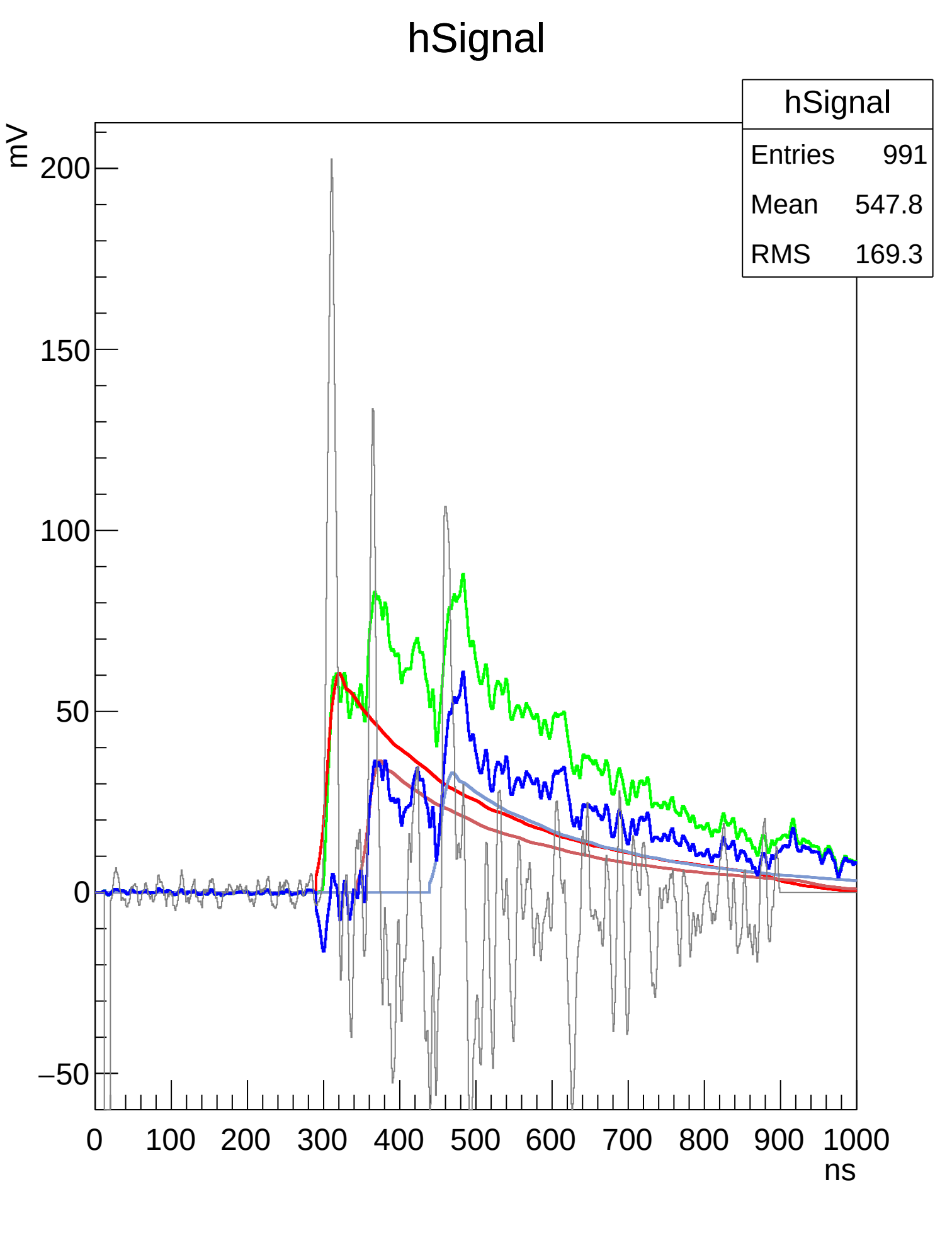

hSignal
hSignal
Entries 991
Mean 622.9
RMS 148.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

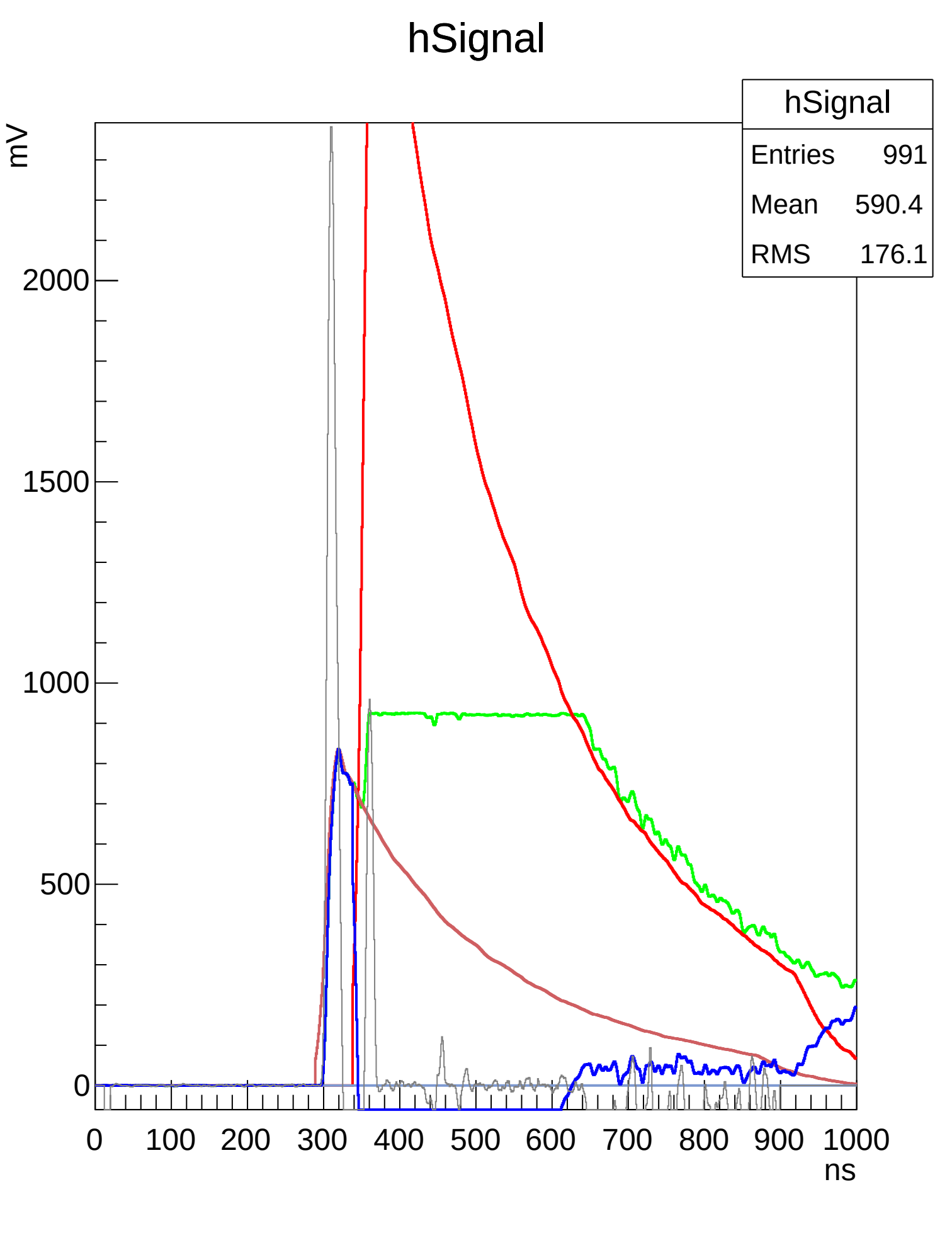

hSignal
hSignal
Entries 991
Mean 536.7
RMS 102.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

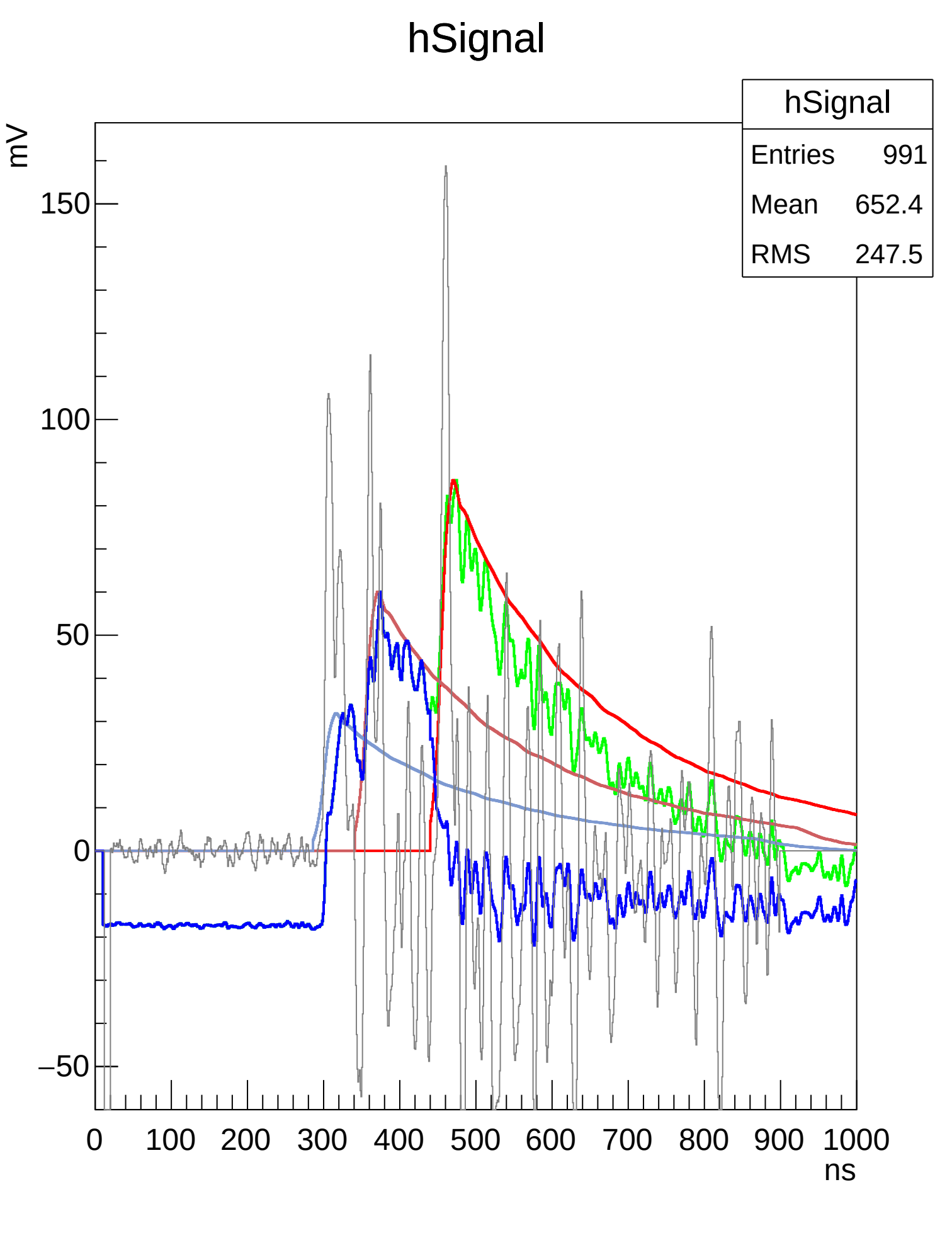

hSignal
hSignal
Entries 991
Mean 548.3
RMS 143
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

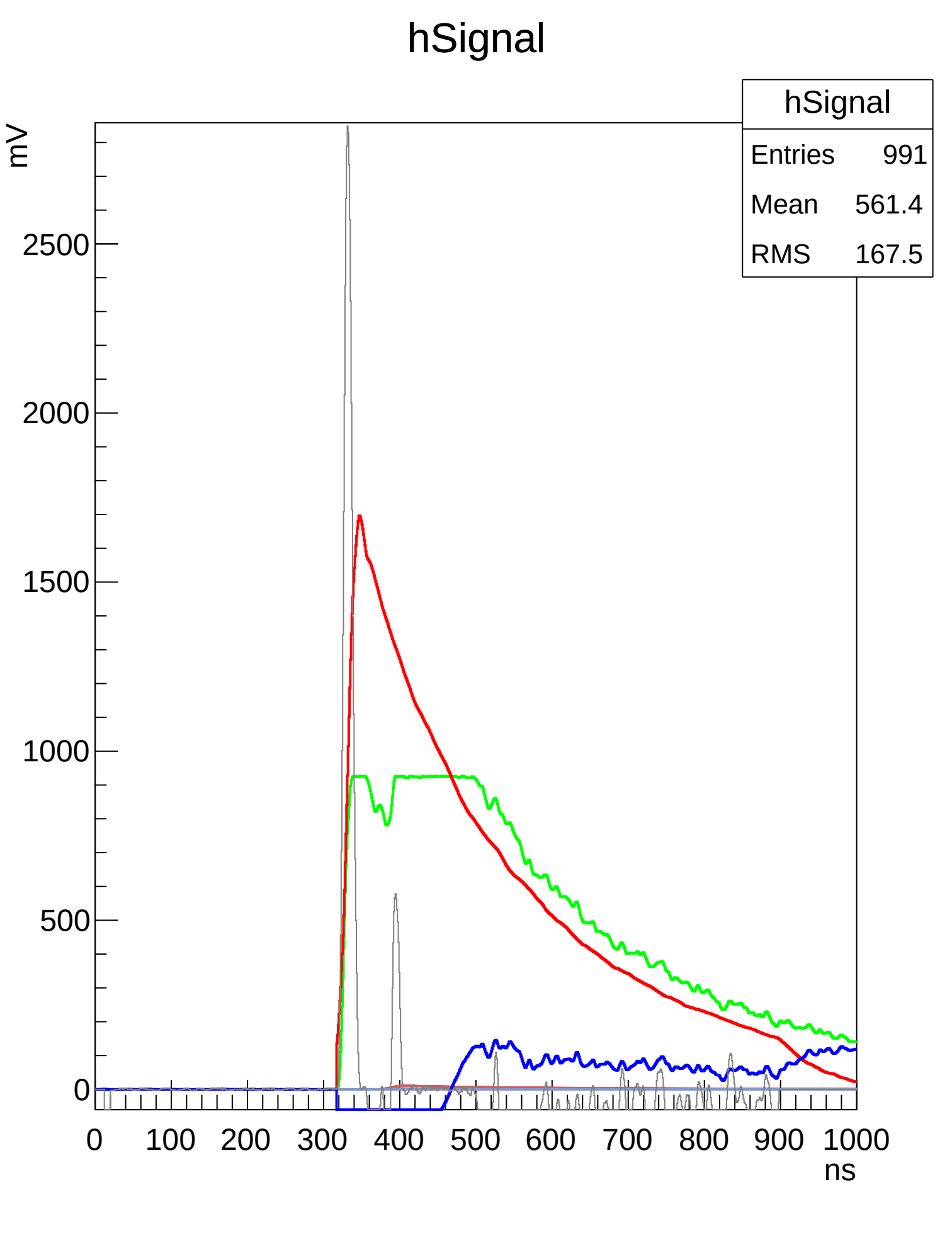

hSignal
hSignal
Entries 991
Mean 616.6
RMS 218.3
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

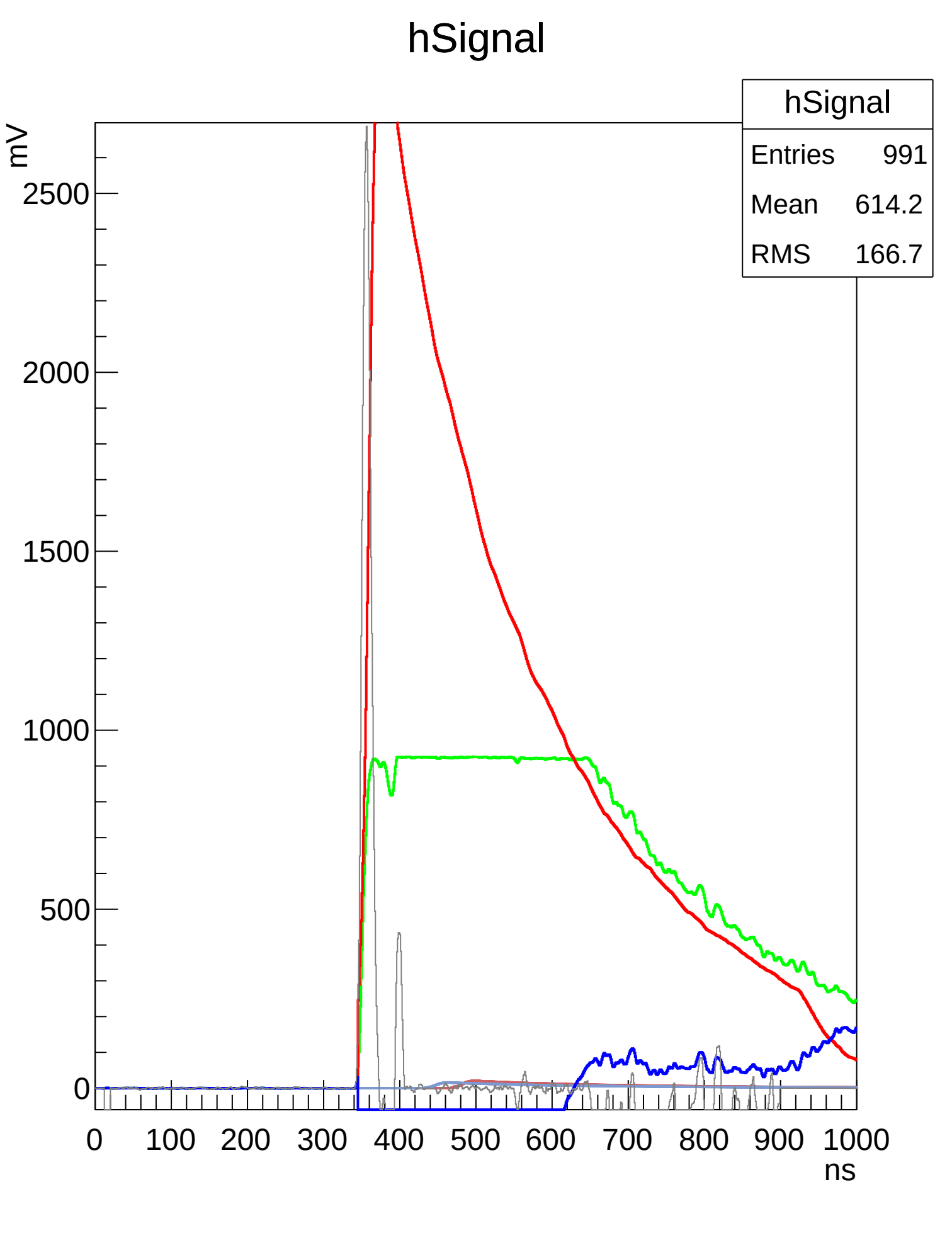

hSignal
hSignal
Entries 991
Mean 577.5
RMS 162.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

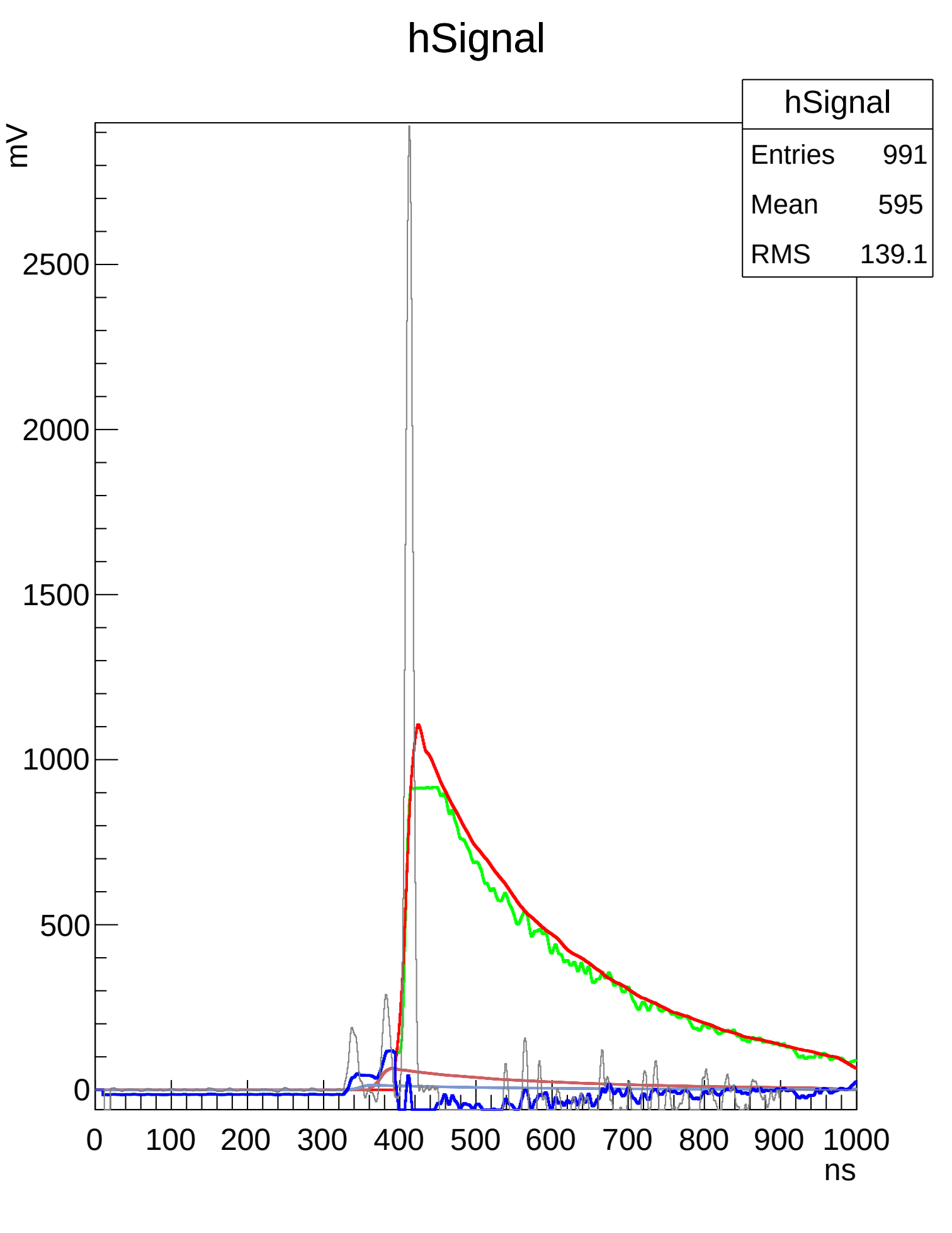

hSignal
hSignal
Entries 991
Mean 547.8
RMS 169.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

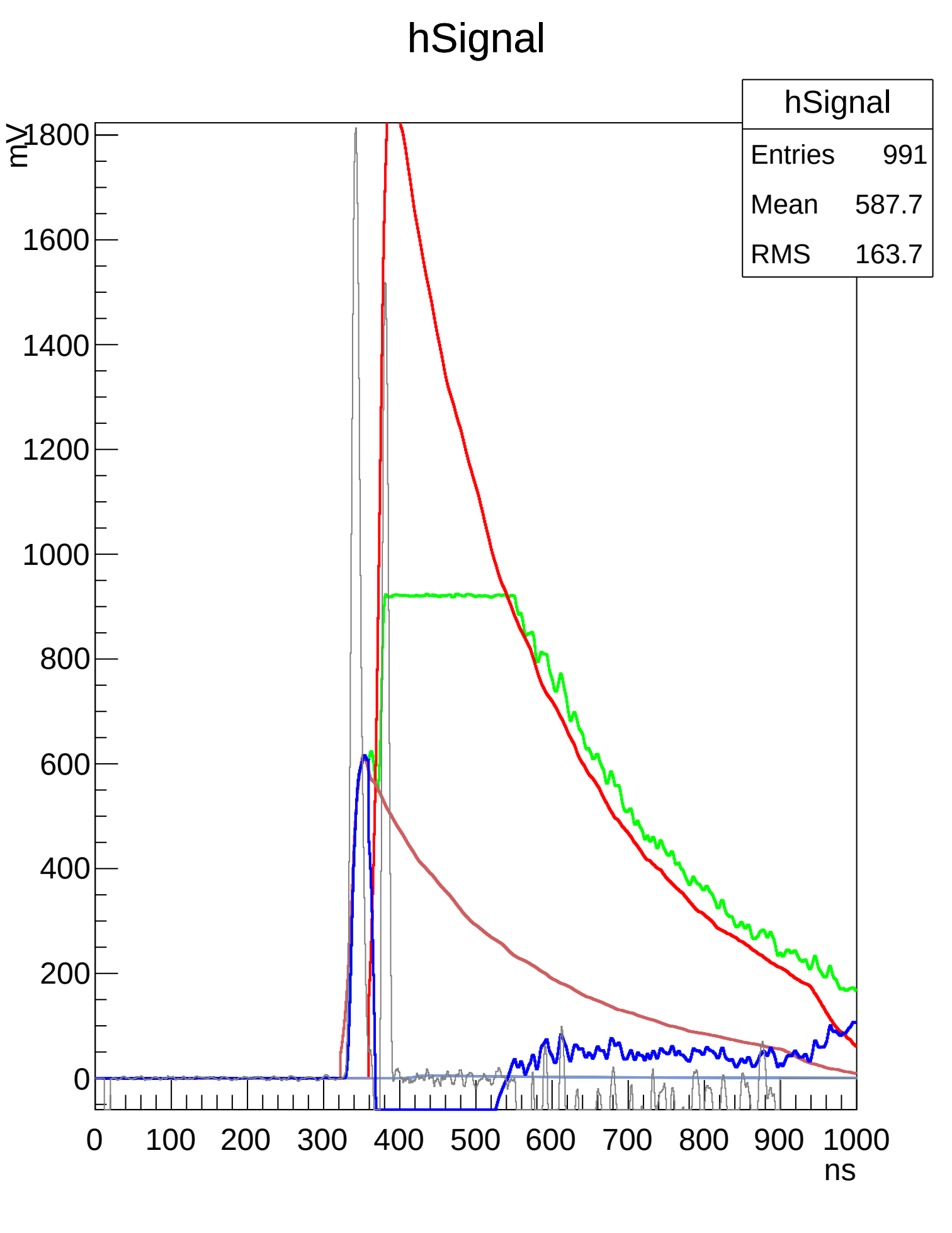

hSignal
hSignal
Entries 991
Mean 590.4
RMS 176.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

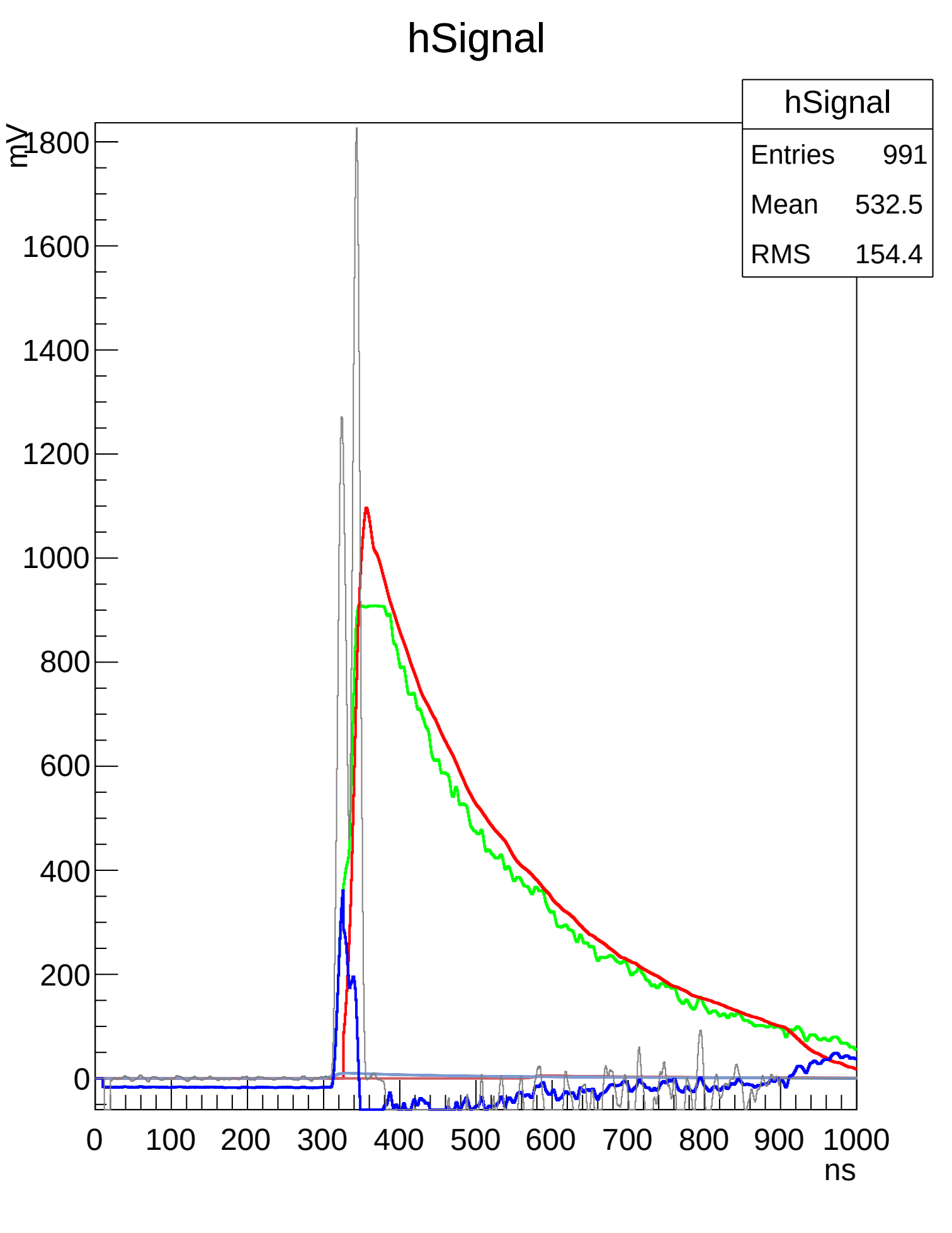

hSignal
hSignal
Entries 991
Mean 652.4
RMS 247.5
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

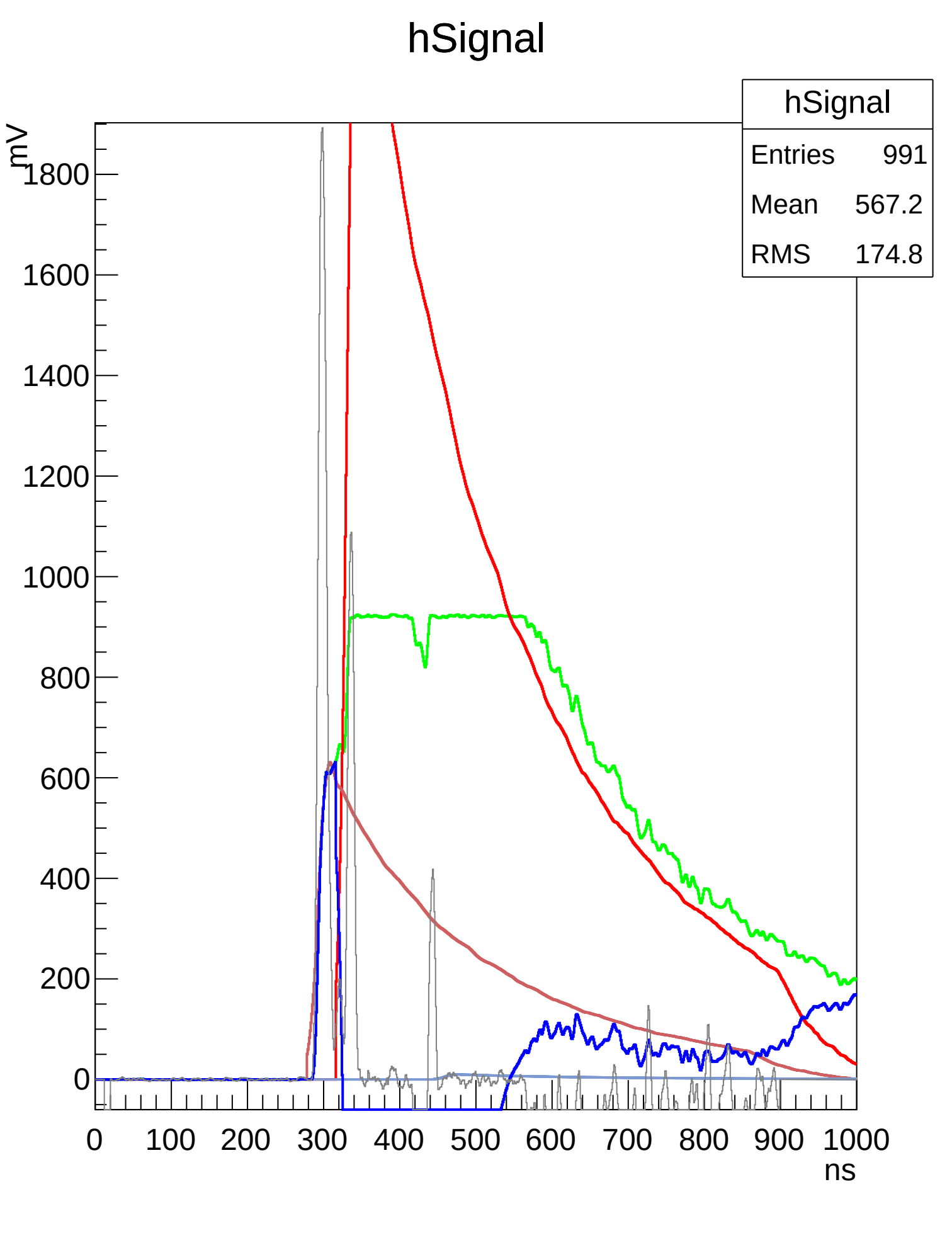

hSignal
hSignal
Entries 991
Mean 561.4
RMS 167.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

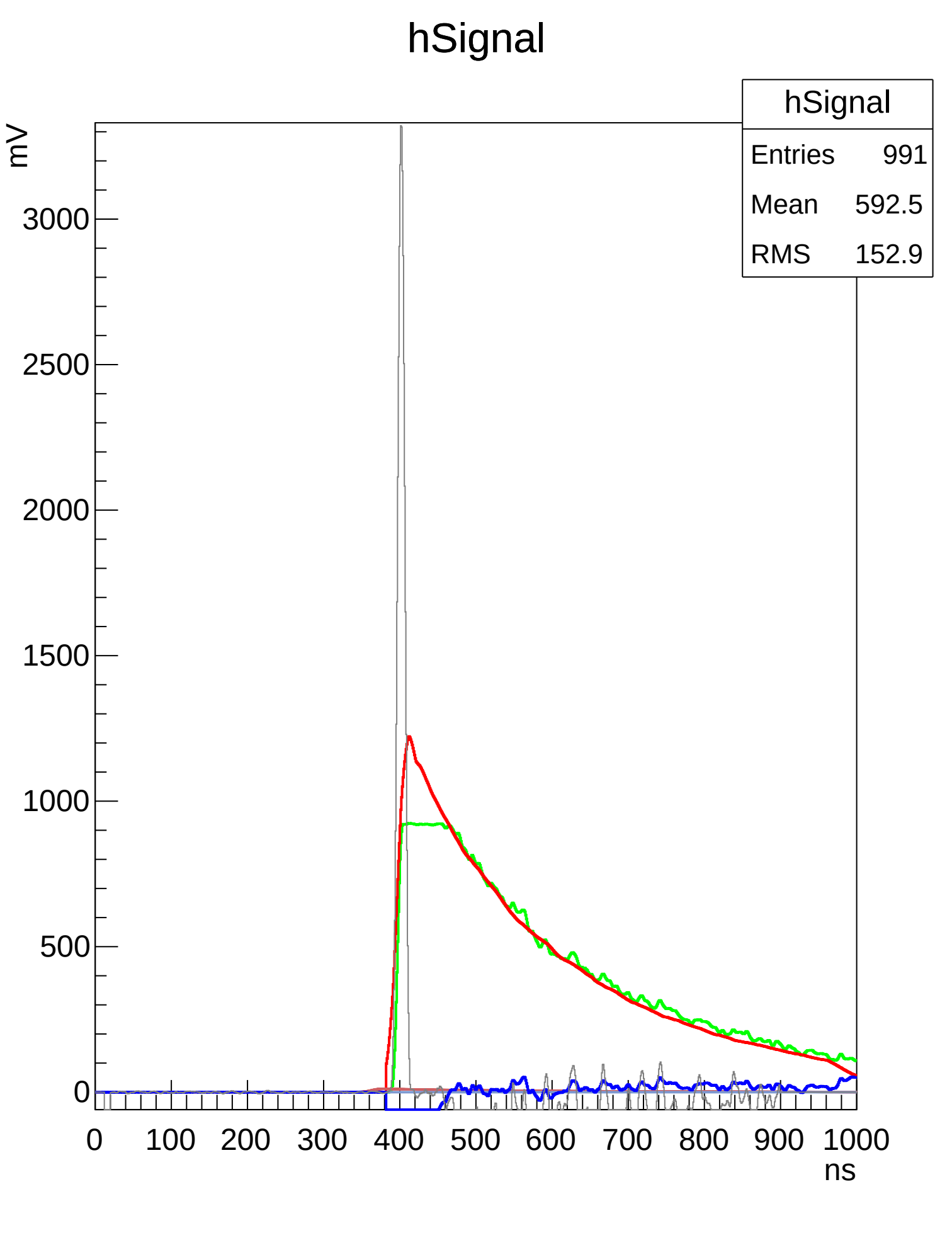

hSignal
hSignal
Entries 991
Mean 614.2
RMS 166.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

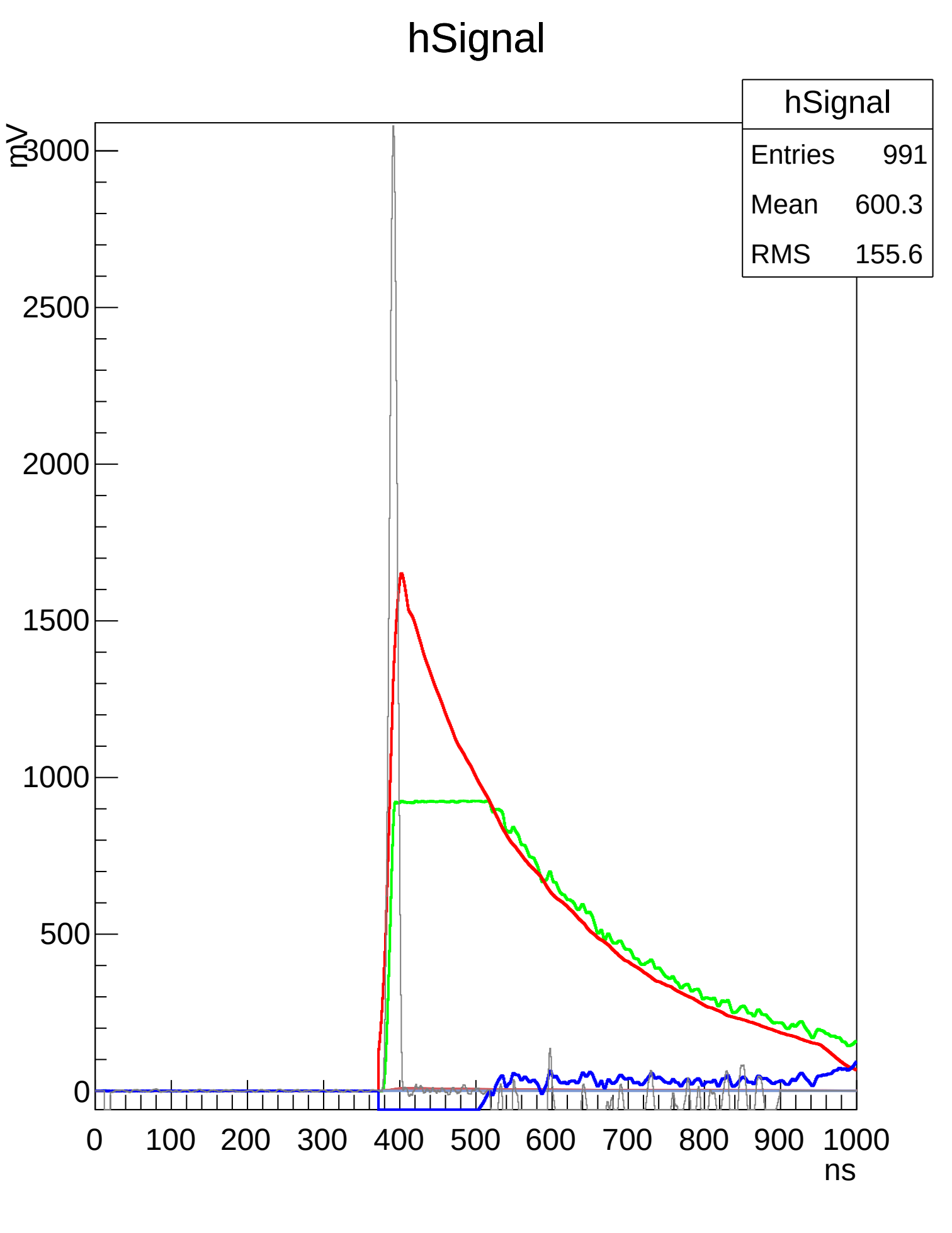

hSignal
hSignal
Entries 991
Mean 595
RMS 139.1
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

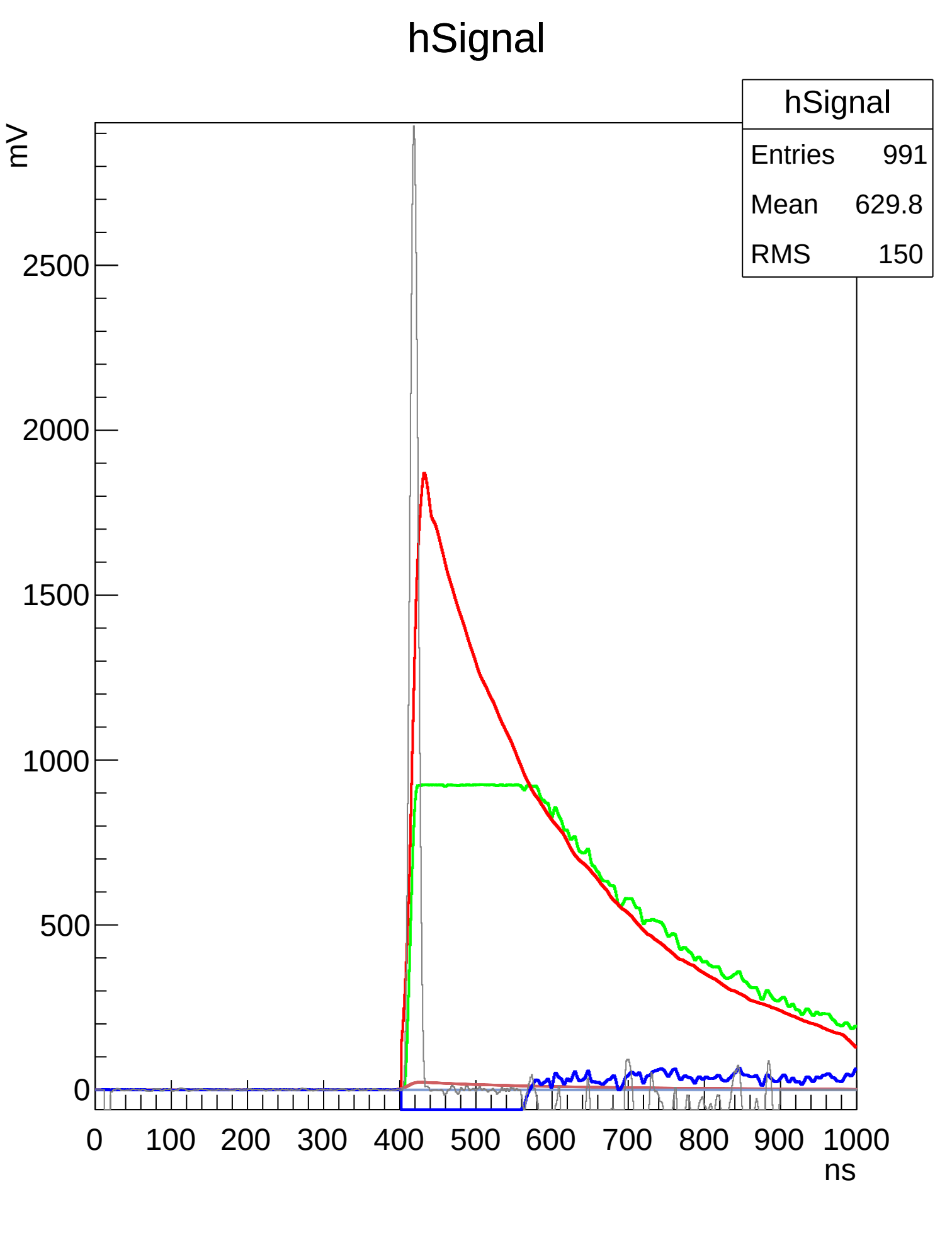

hSignal
hSignal
Entries 991
Mean 587.7
RMS 163.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

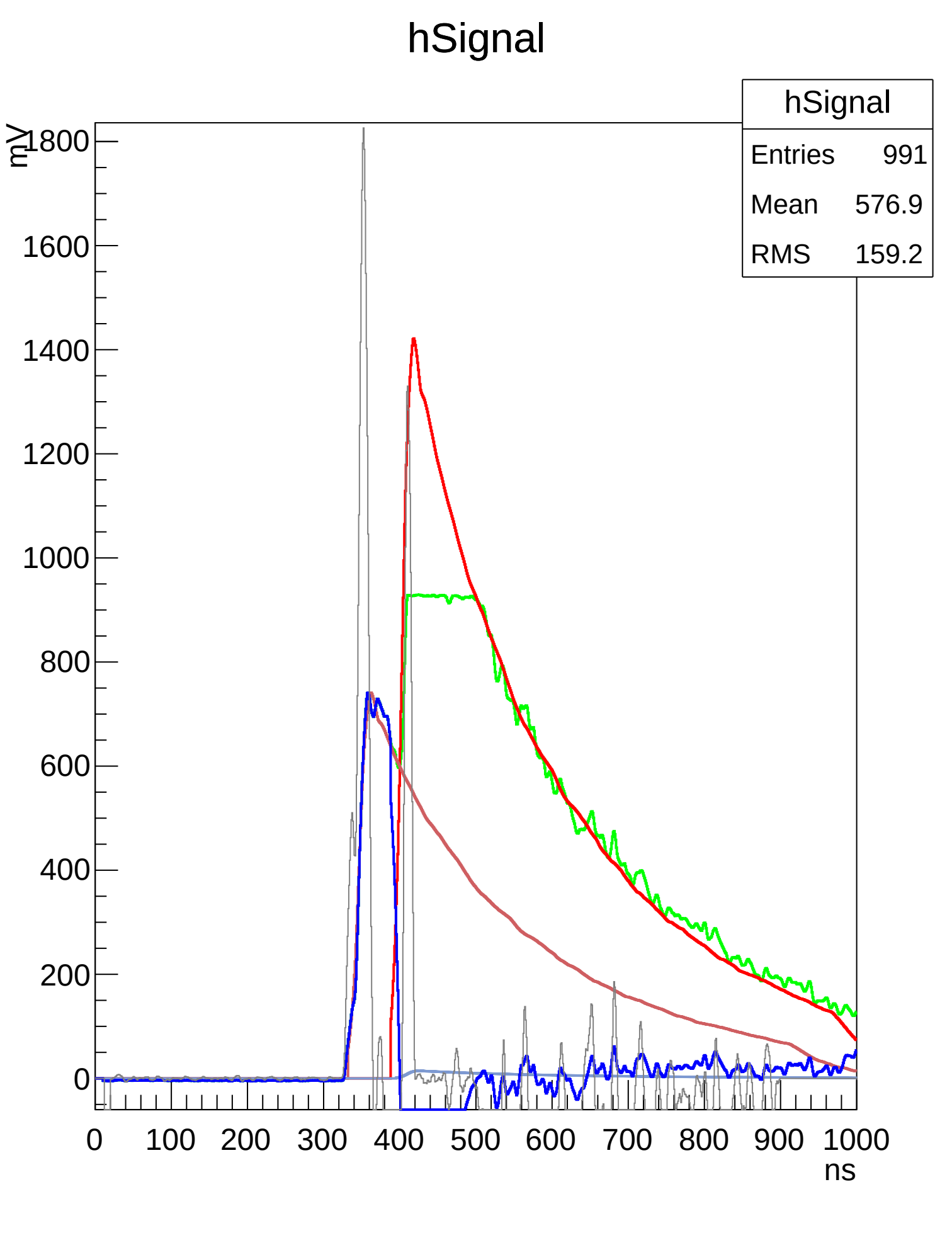

hSignal
hSignal
Entries 991
Mean 532.5
RMS 154.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

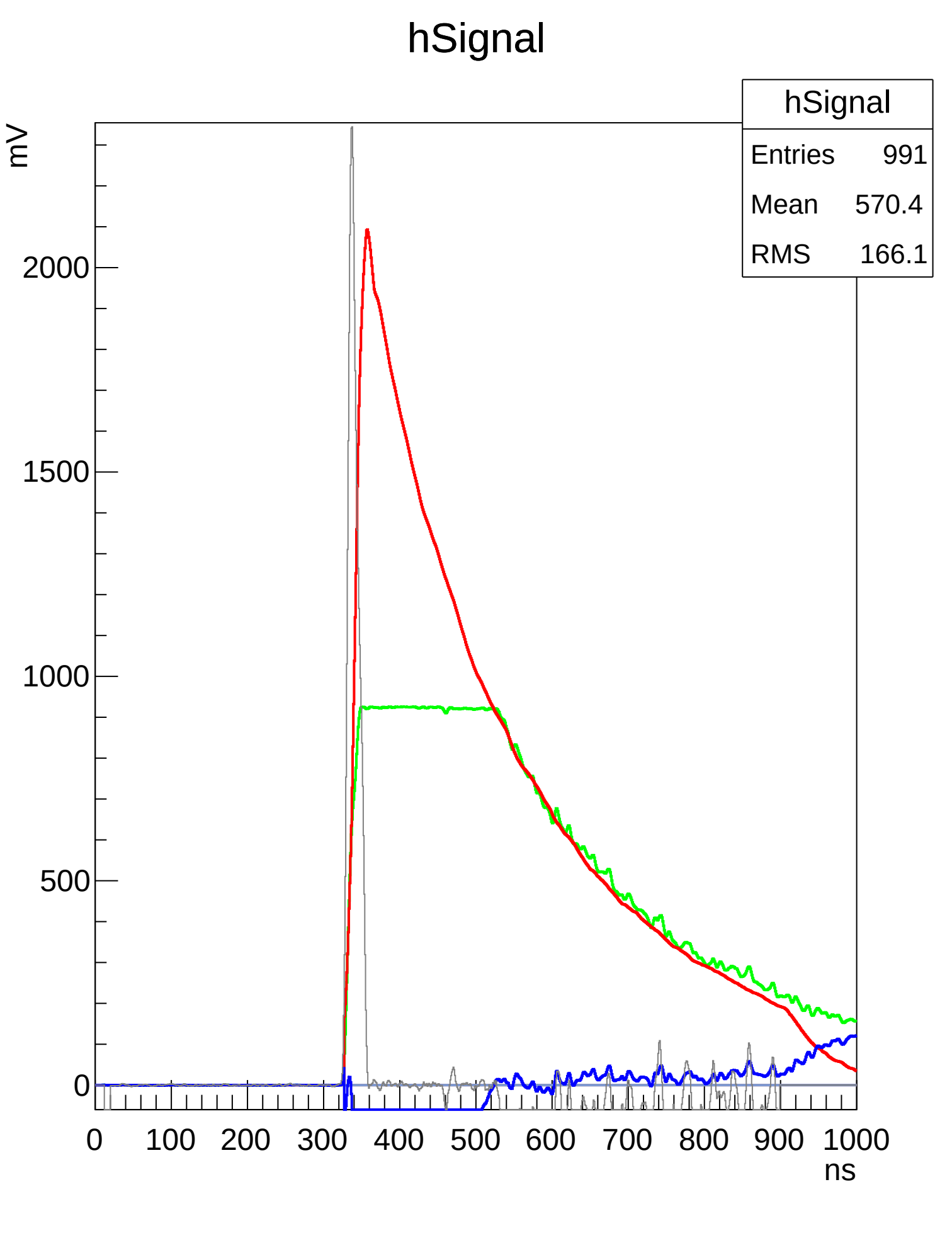

hSignal
hSignal
Entries 991
Mean 567.2
RMS 174.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

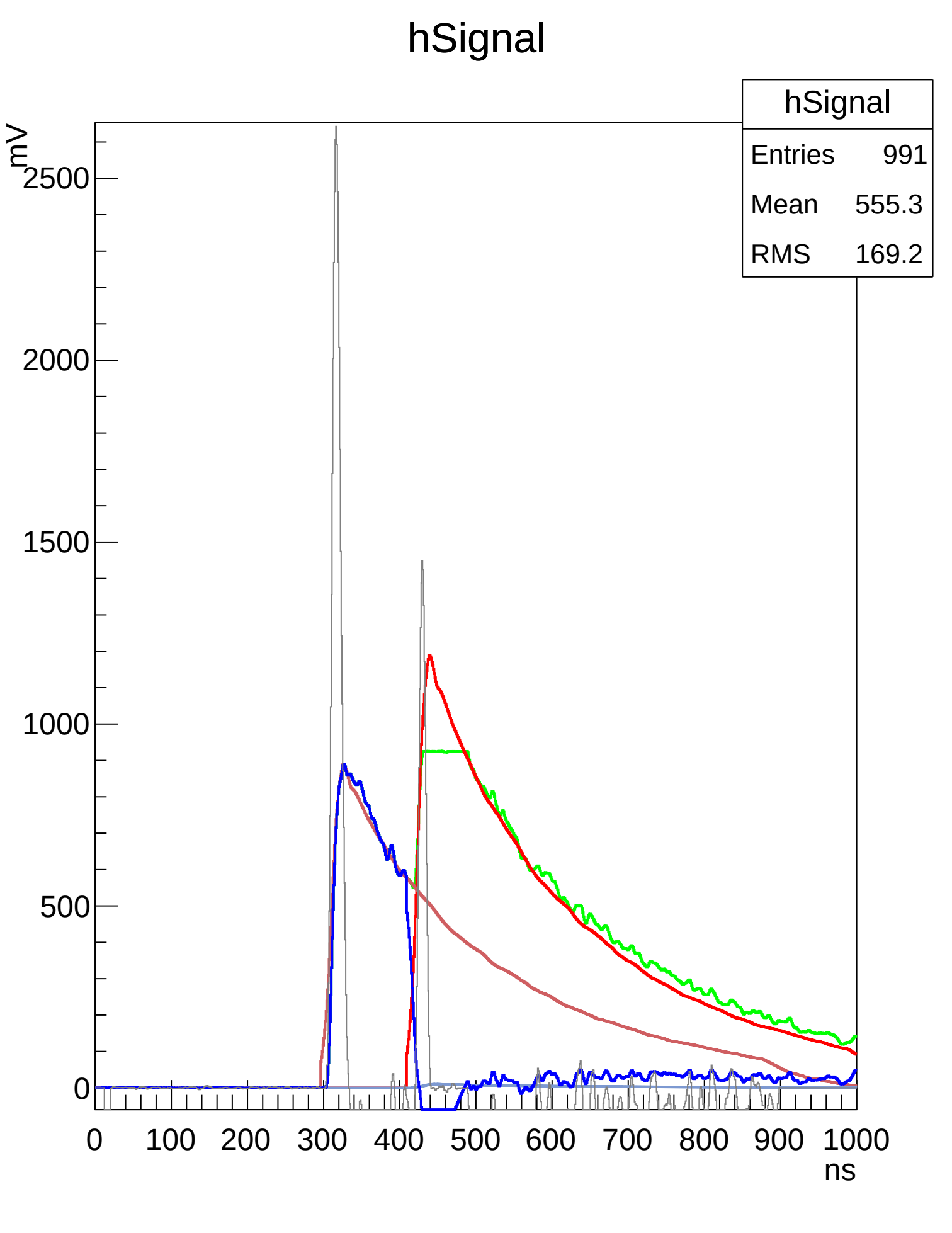

hSignal
hSignal
Entries 991
Mean 592.5
RMS 152.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

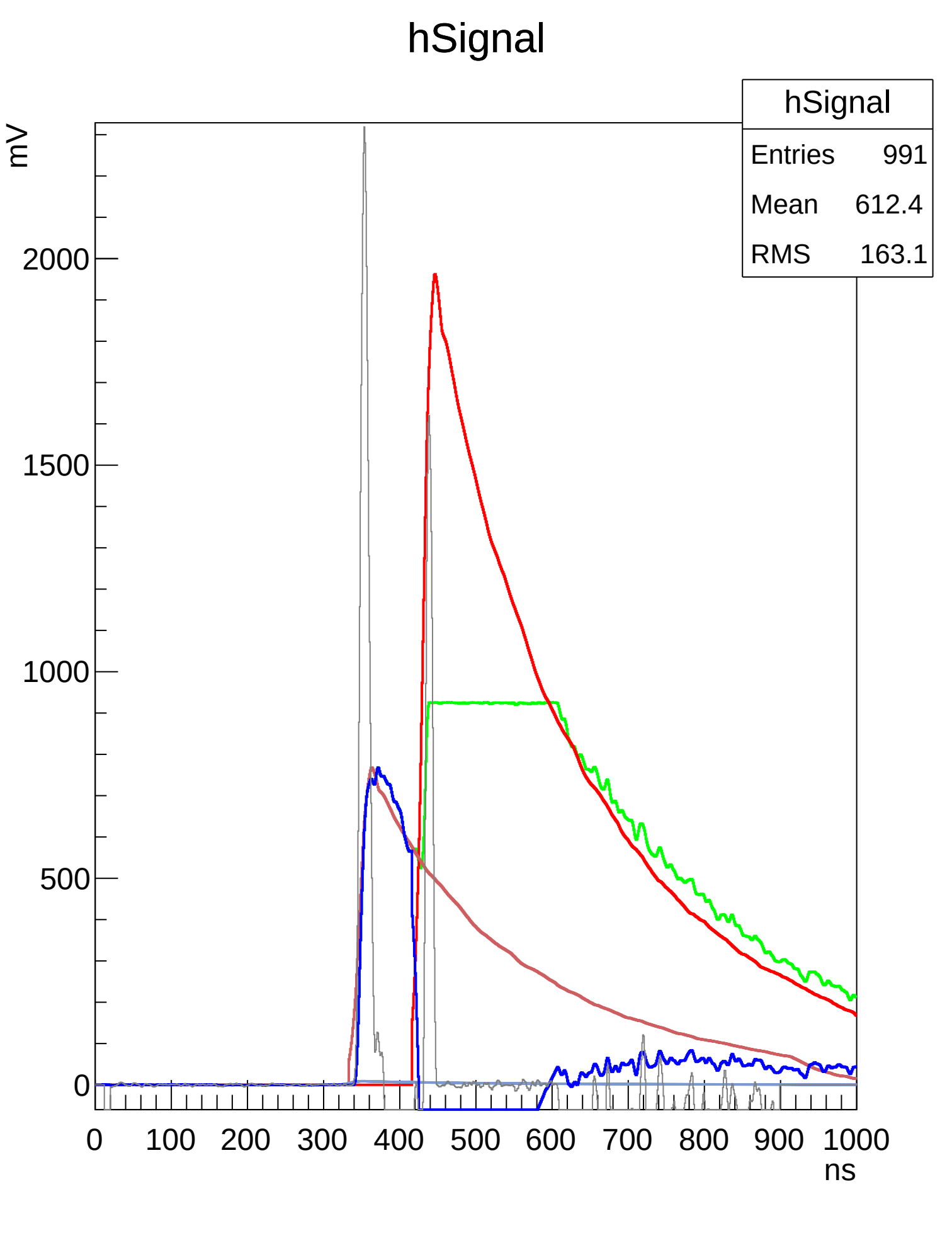

hSignal
hSignal
Entries 991
Mean 600.3
RMS 155.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

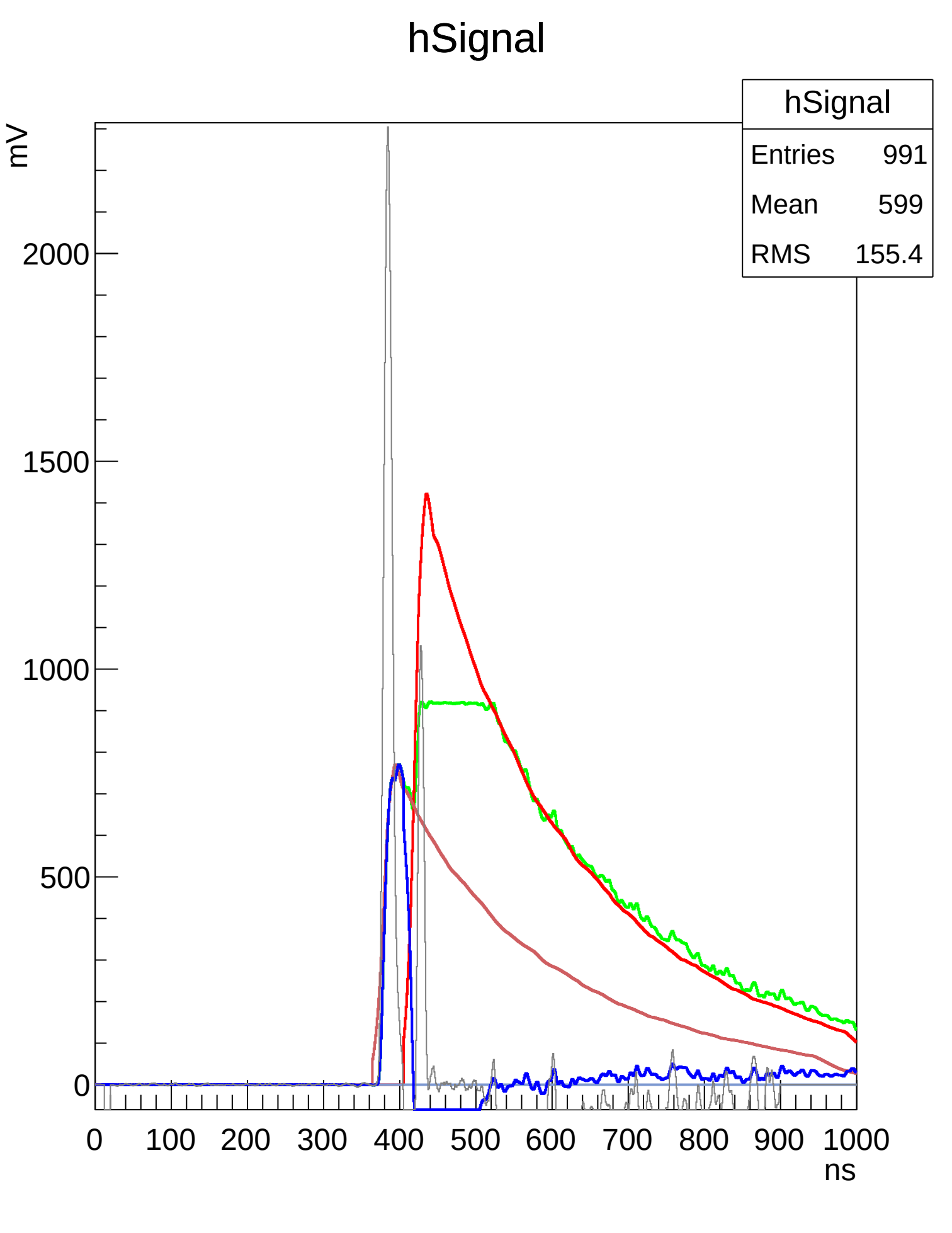

hSignal
hSignal
Entries 991
Mean 629.8
RMS 150
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

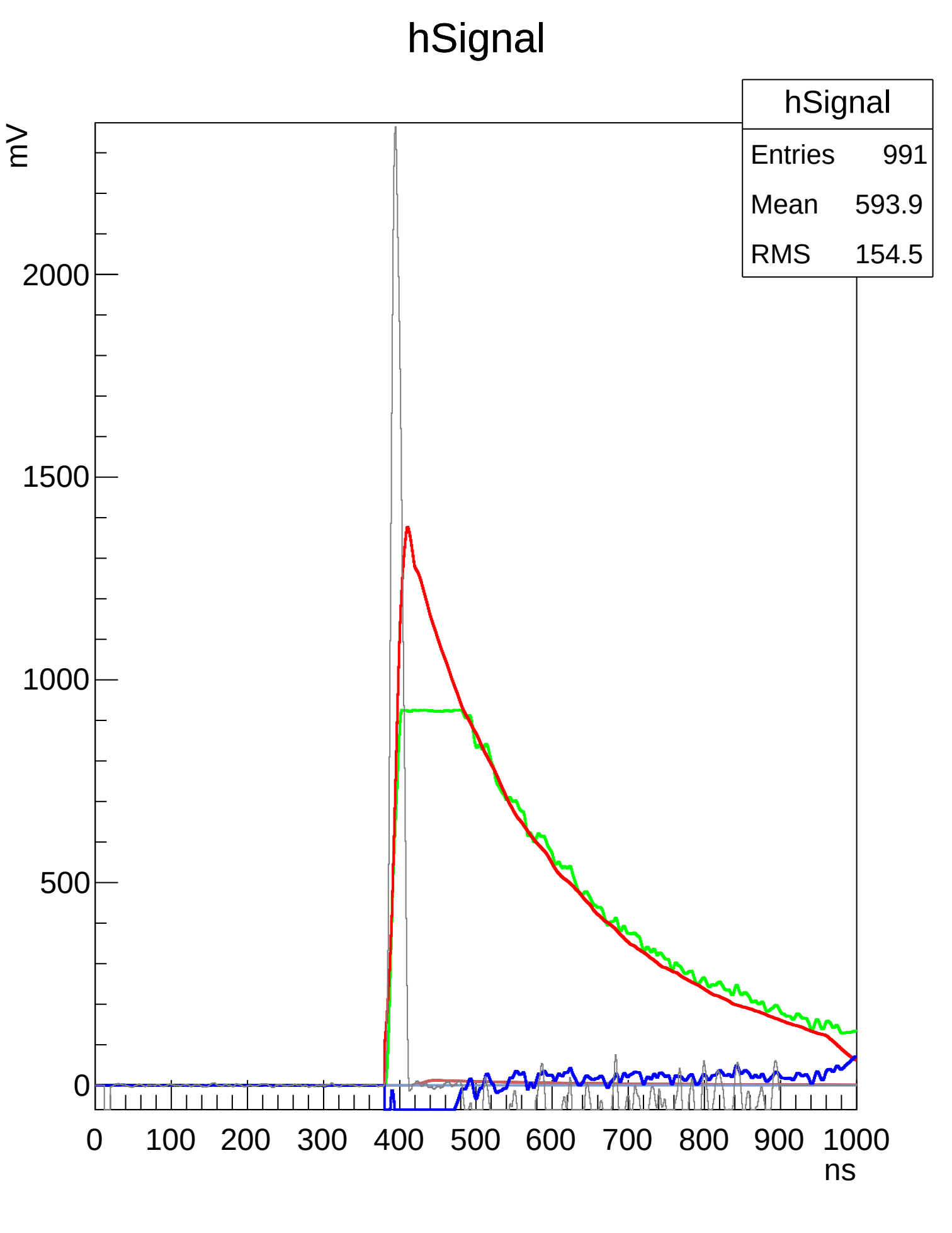

hSignal
hSignal
Entries 991
Mean 576.9
RMS 159.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

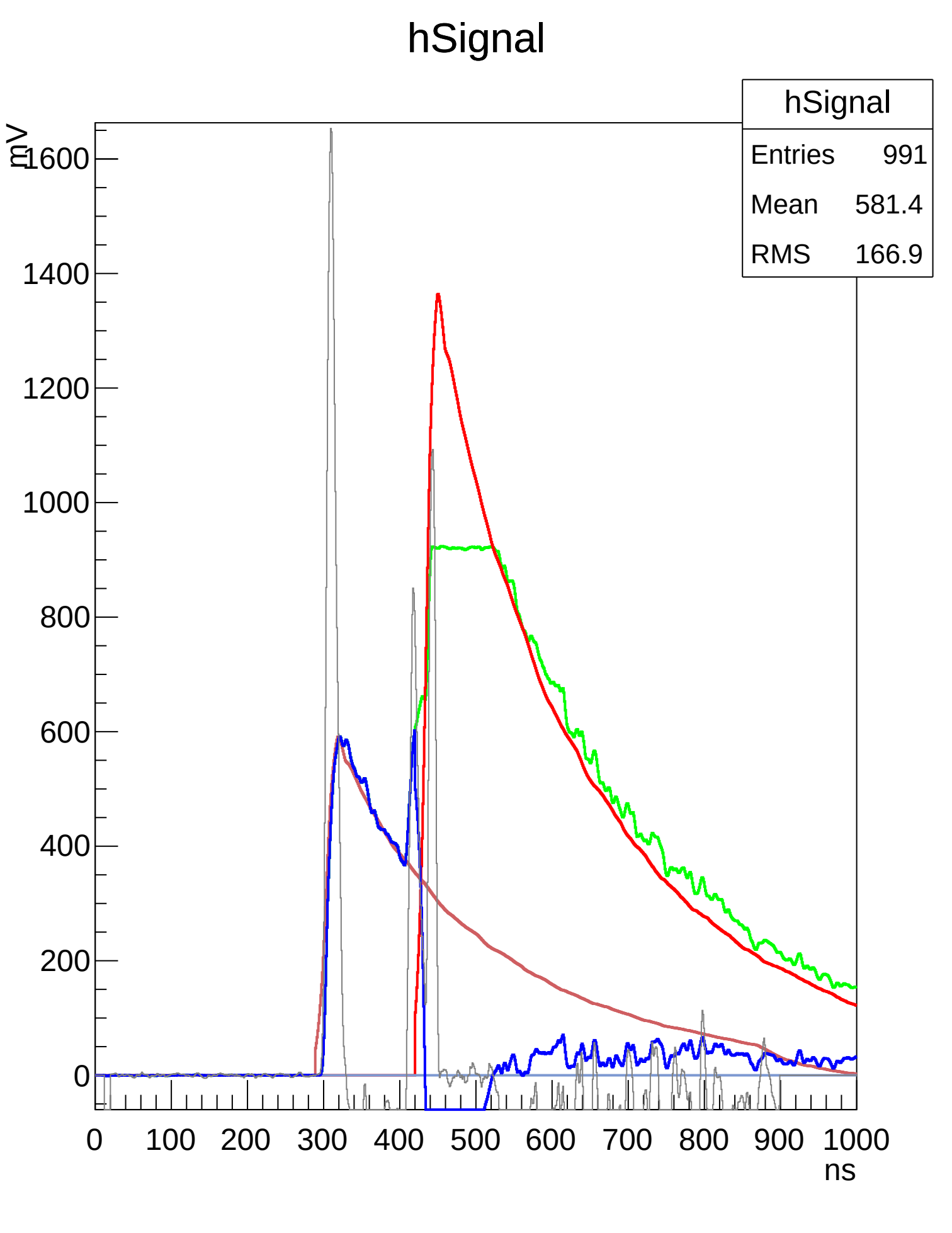

hSignal
hSignal
Entries 991
Mean 570.4
RMS 166.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

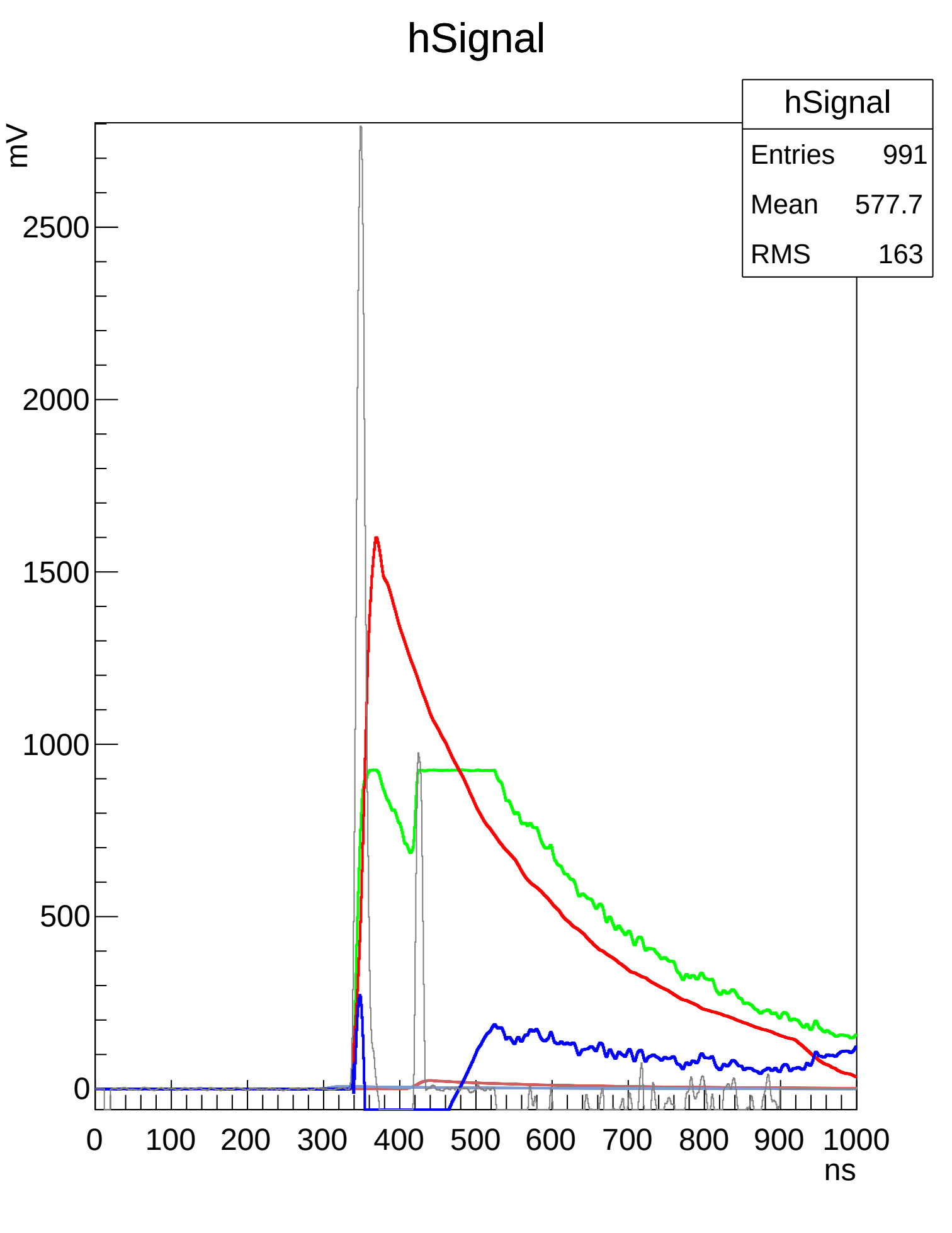

hSignal
hSignal
Entries 991
Mean 555.3
RMS 169.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

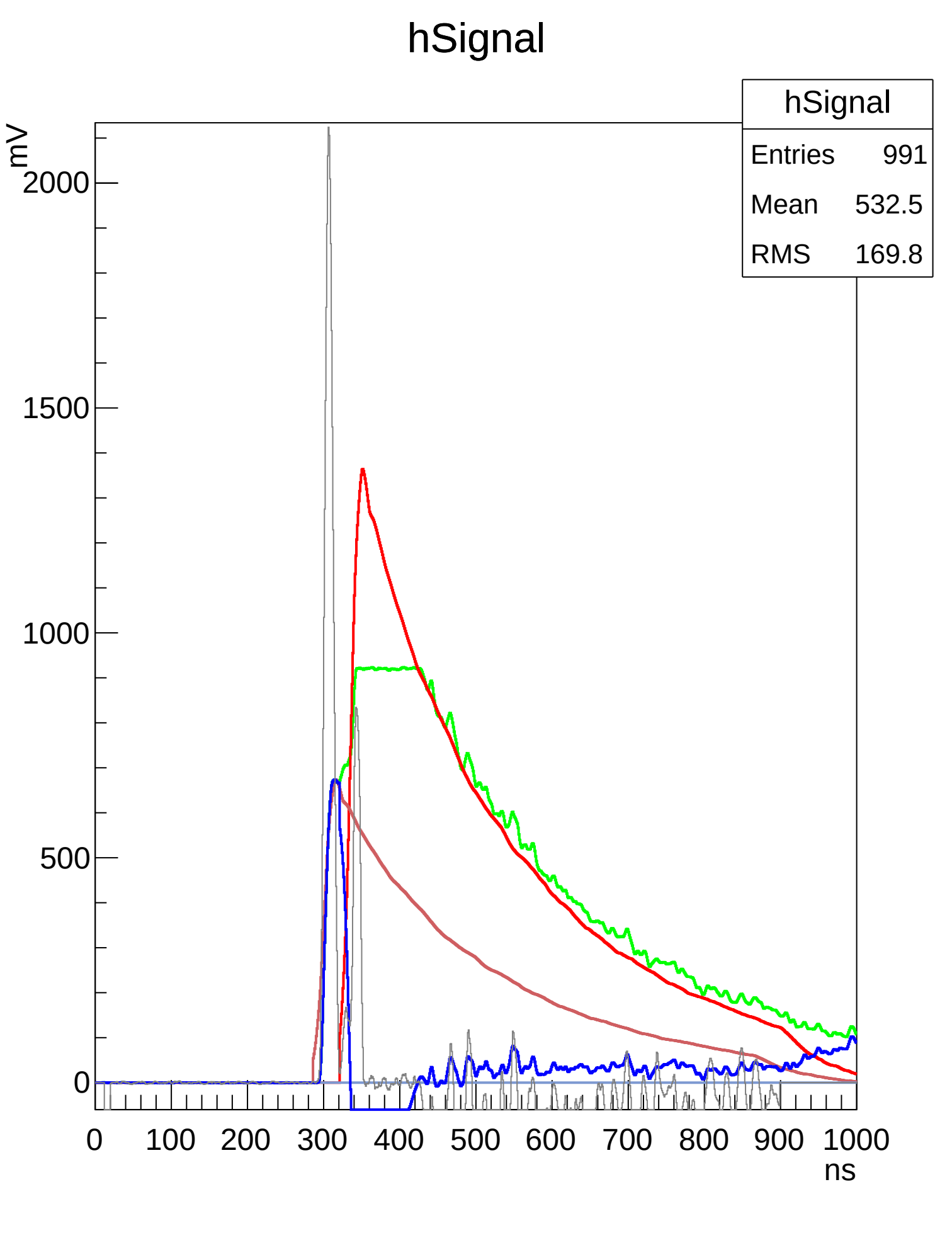

hSignal
hSignal
Entries 991
Mean 612.4
RMS 163.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

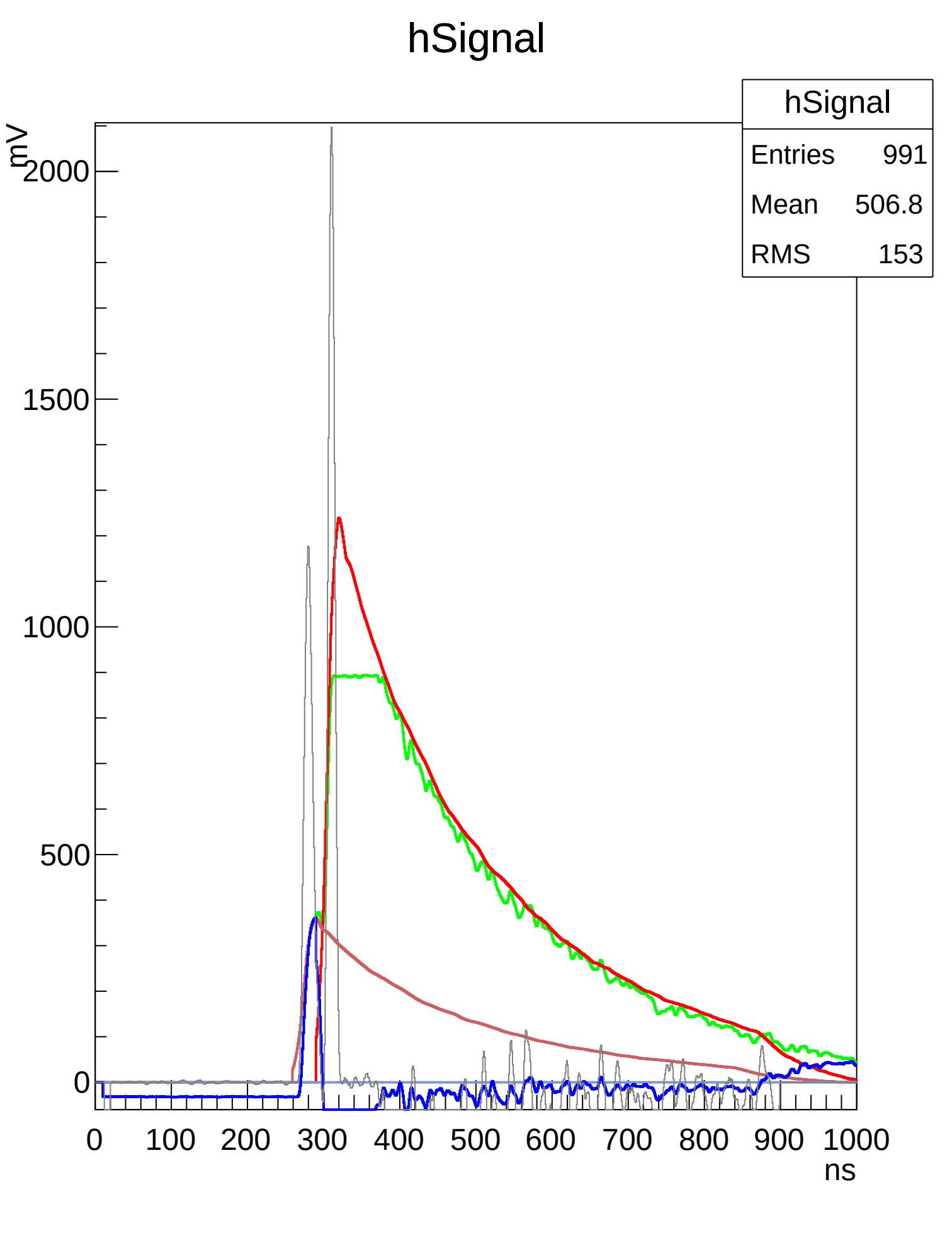

hSignal
hSignal
Entries 991
Mean 599
RMS 155.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

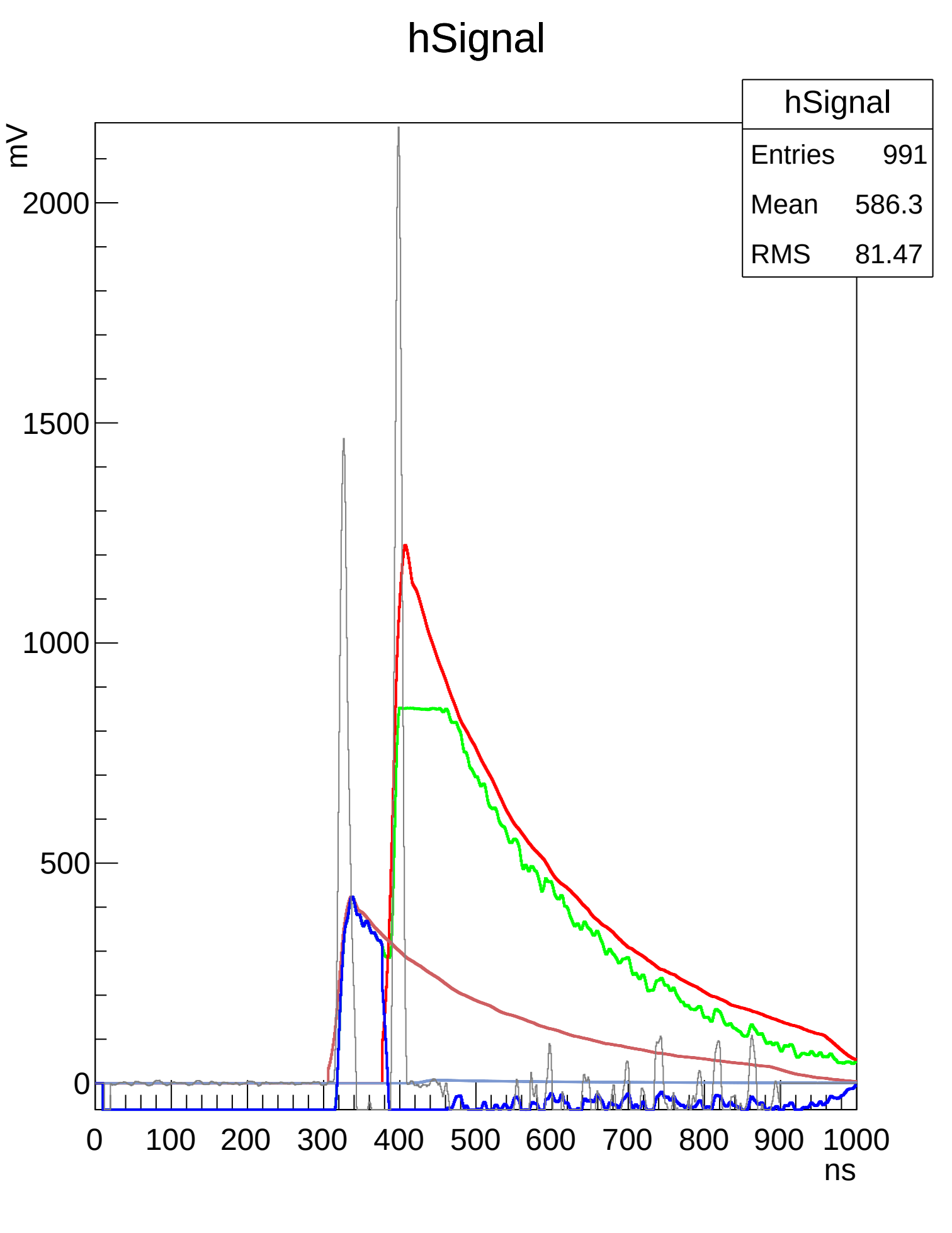

hSignal
hSignal
Entries 991
Mean 593.9
RMS 154.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

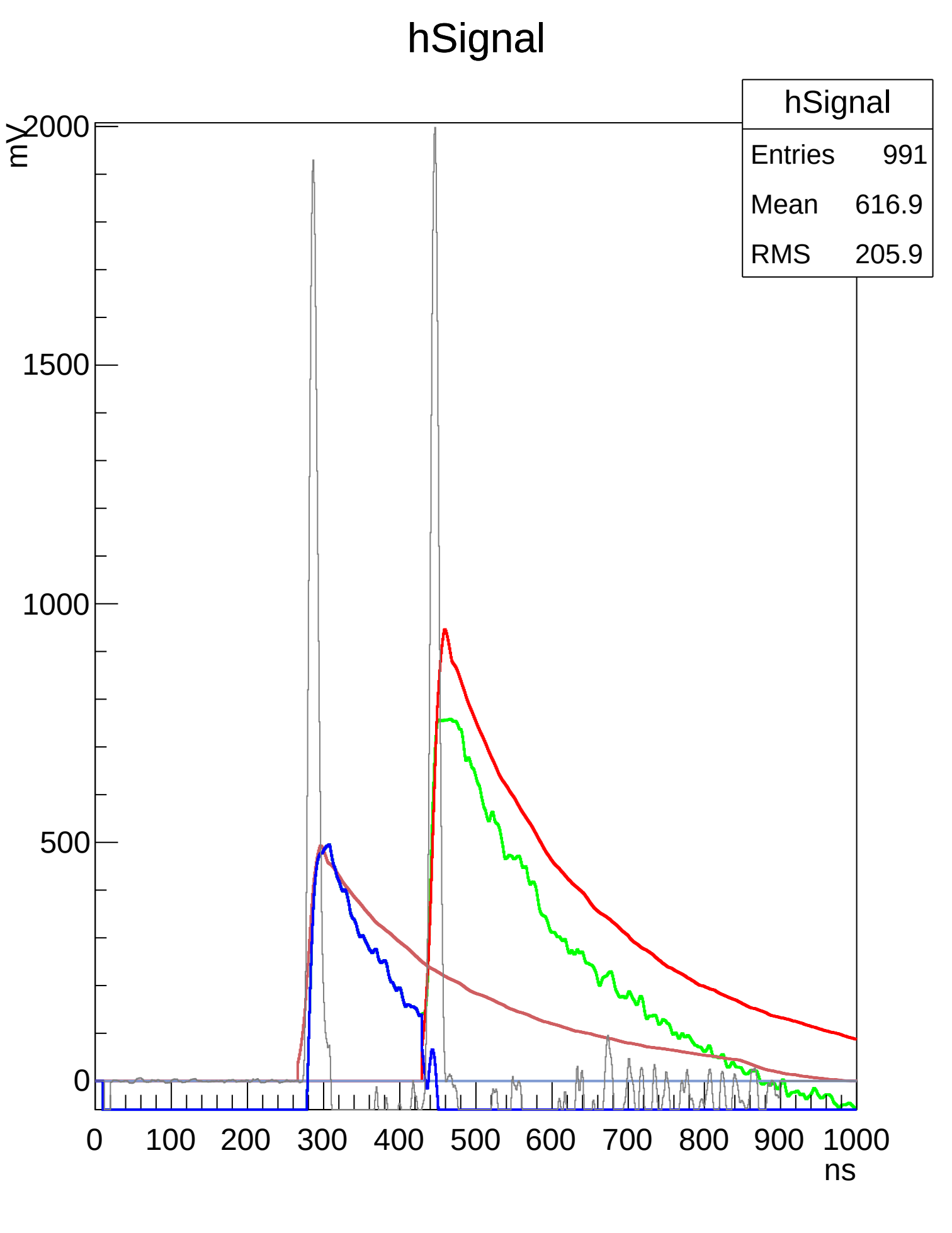

hSignal
hSignal
Entries 991
Mean 581.4
RMS 166.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

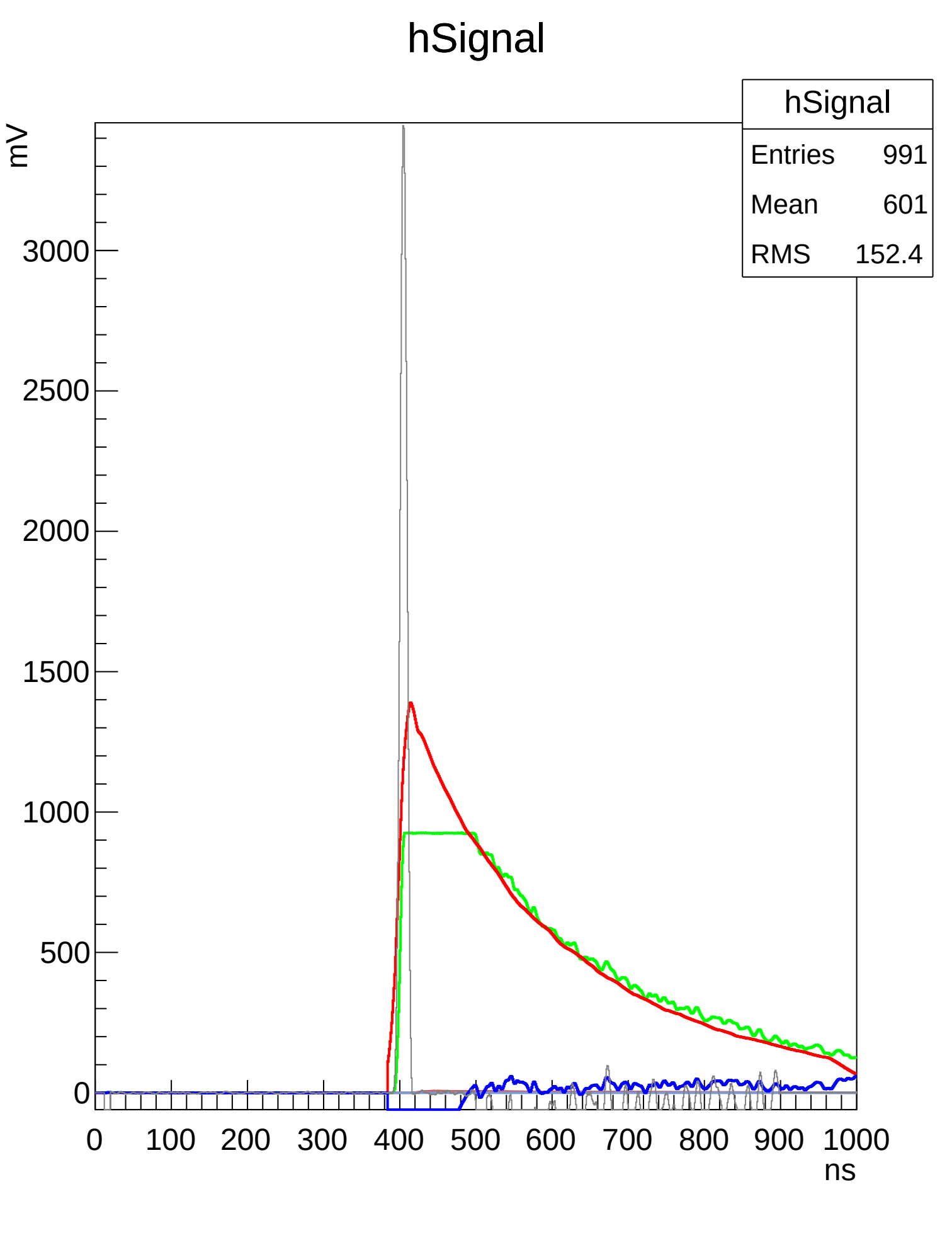

hSignal
hSignal
Entries 991
Mean 577.7
RMS 163
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

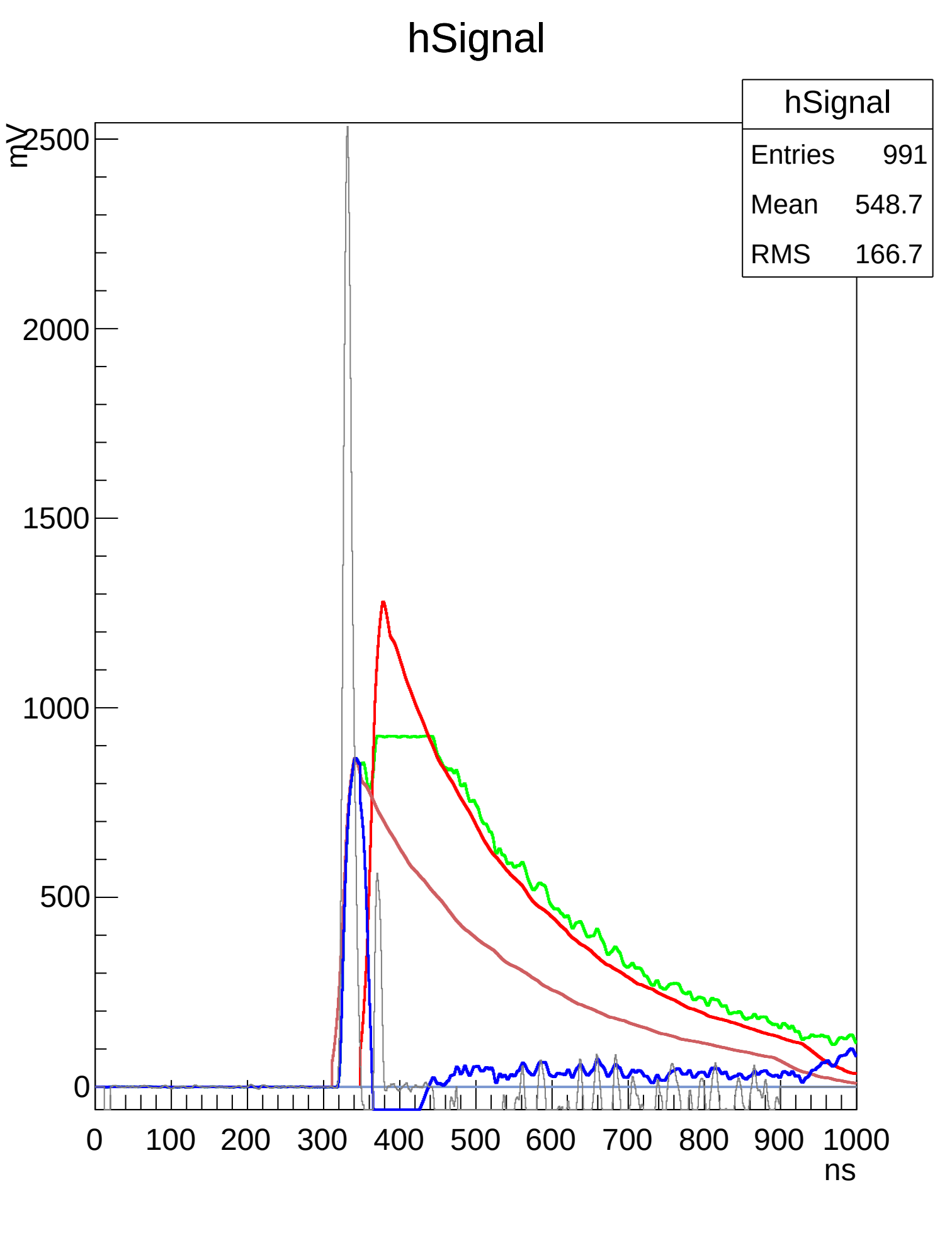

hSignal
hSignal
Entries 991
Mean 532.5
RMS 169.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

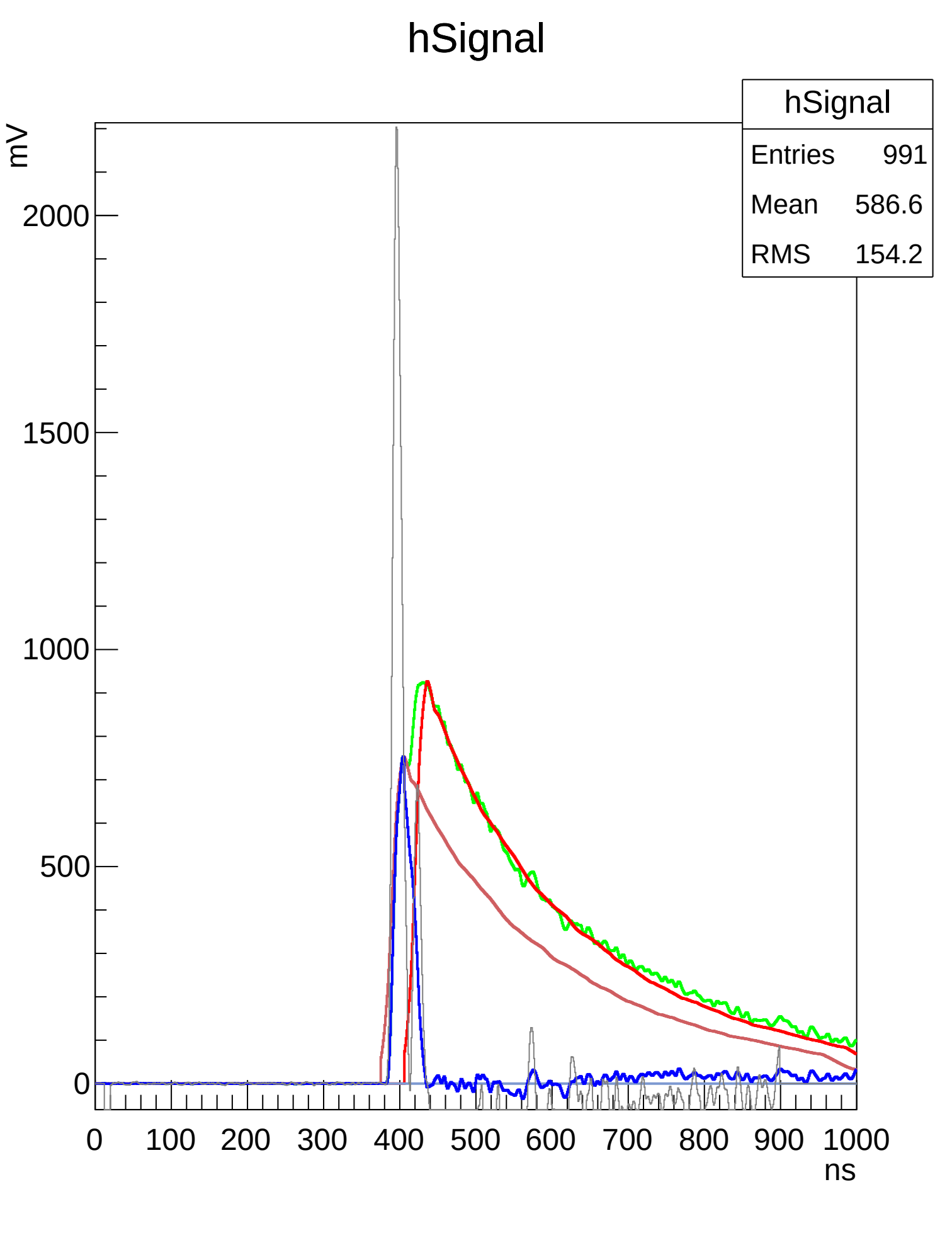

hSignal
hSignal
Entries 991
Mean 506.8
RMS 153
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

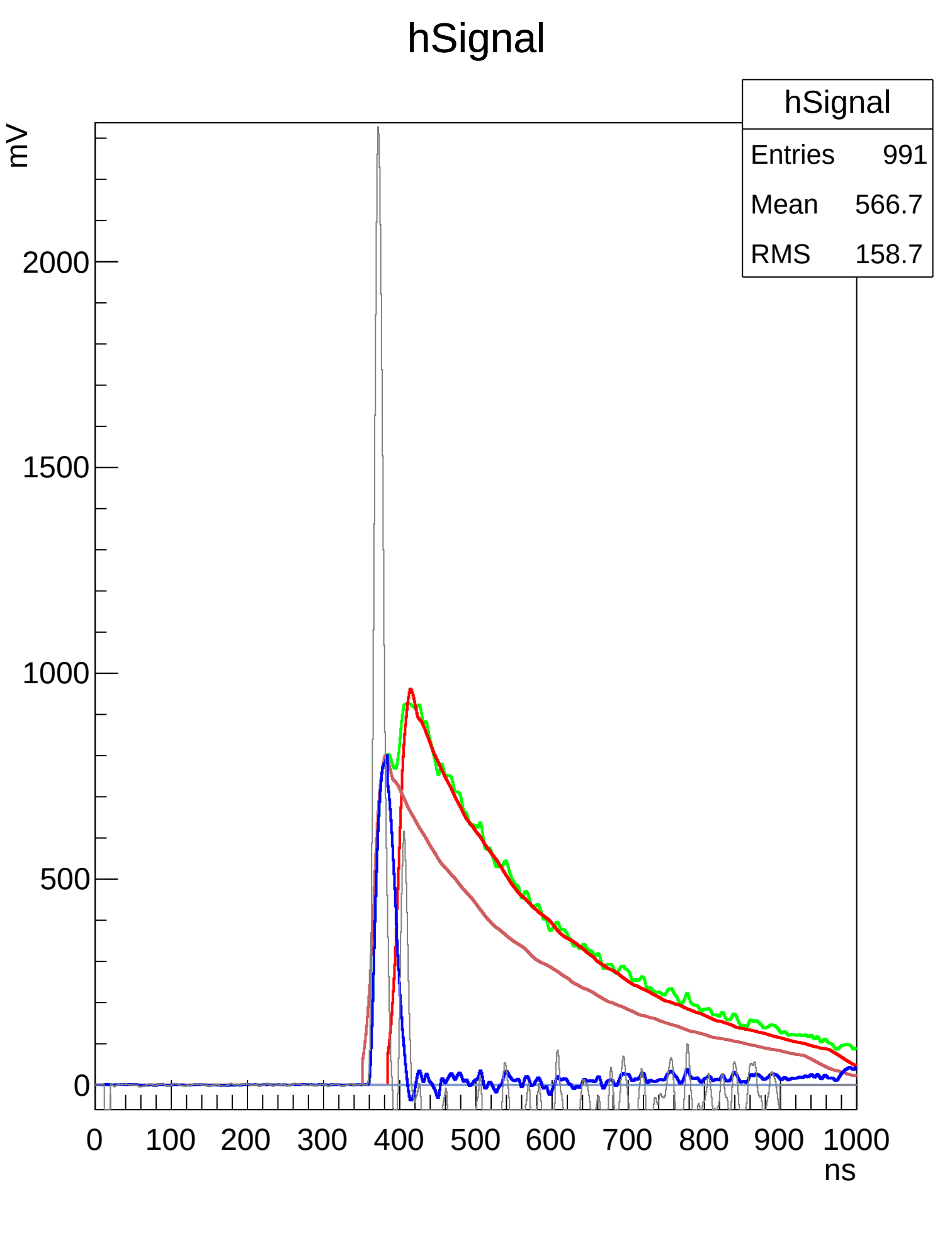

hSignal
hSignal
Entries 991
Mean 586.3
RMS 81.47
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

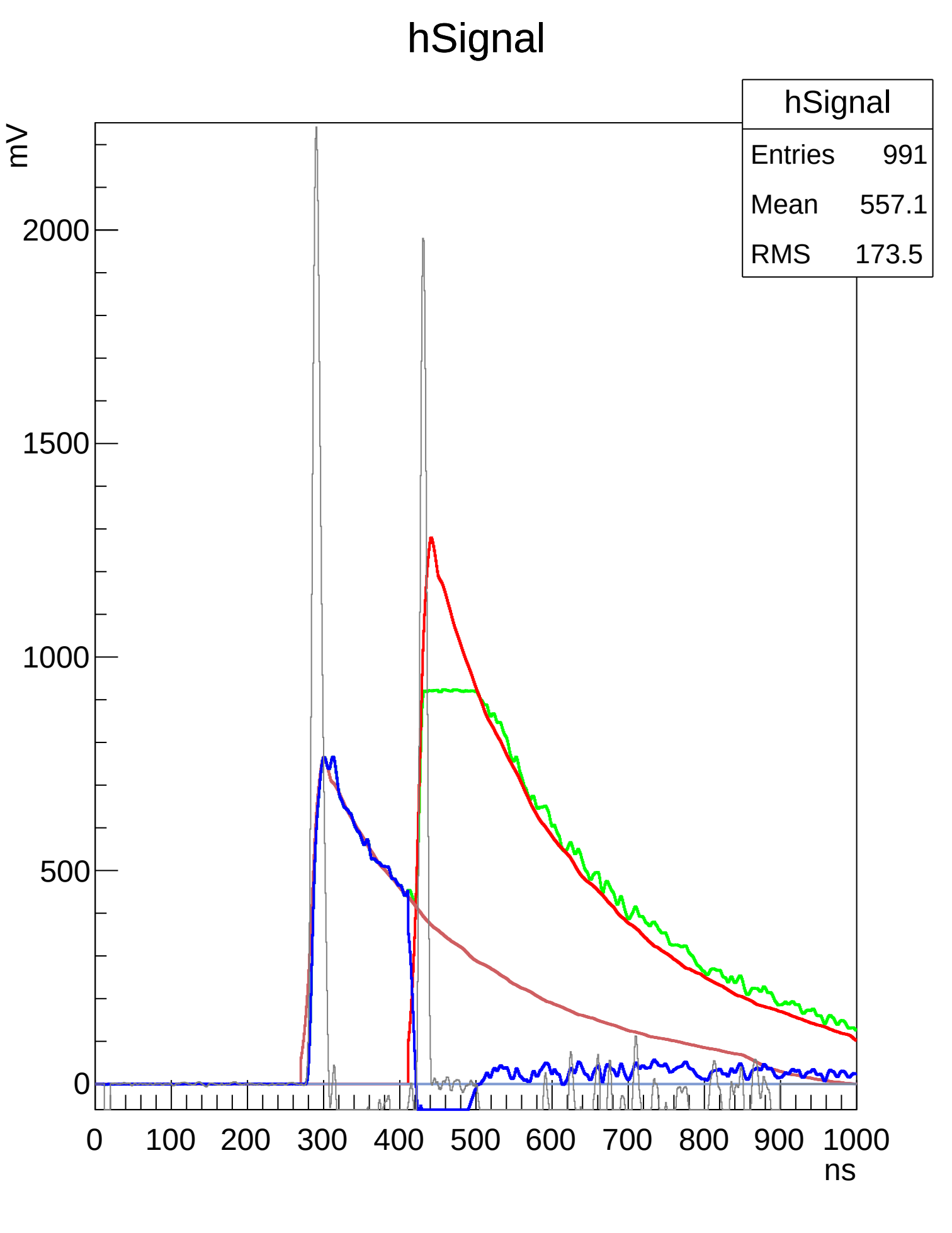

hSignal
hSignal
Entries 991
Mean 616.9
RMS 205.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

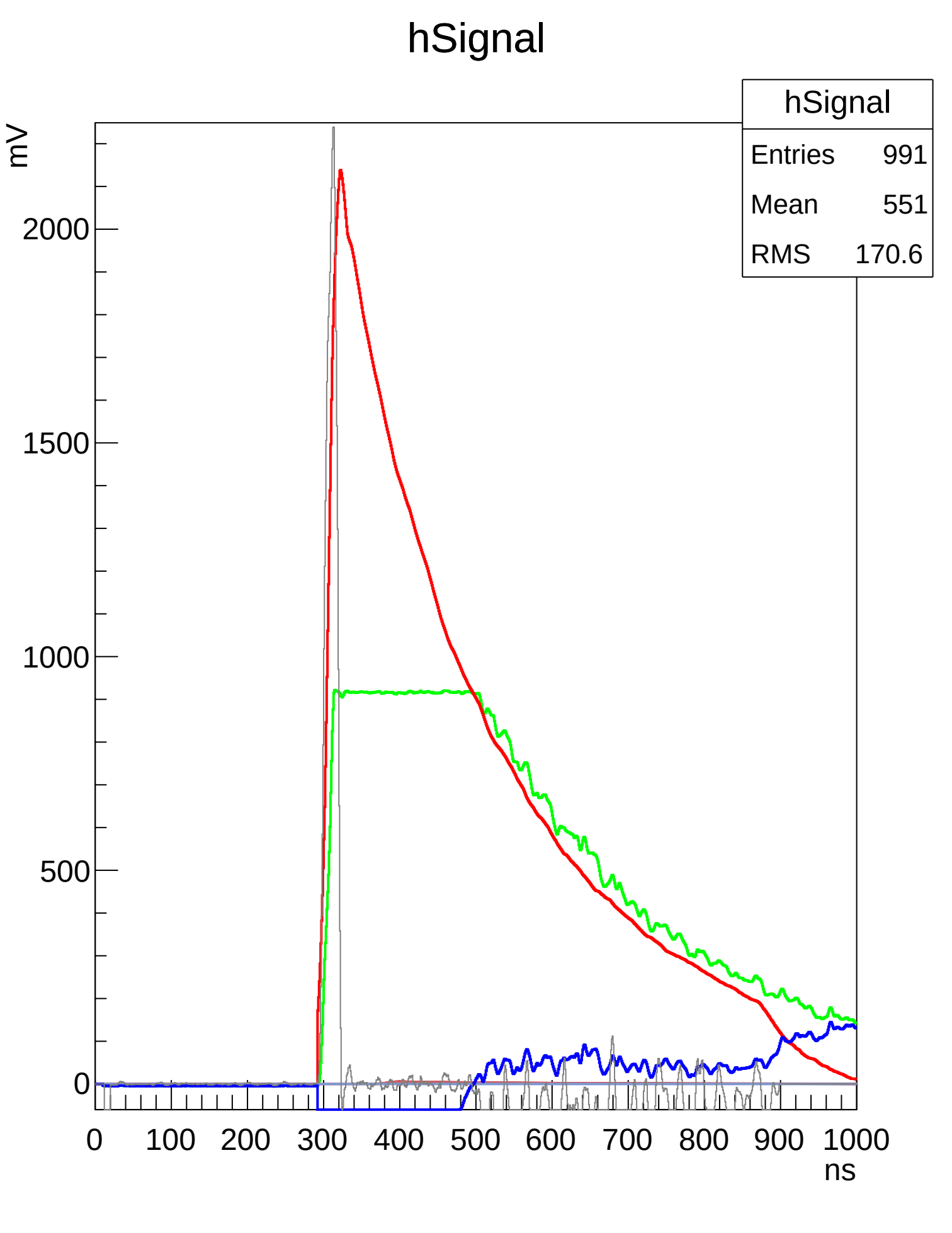

hSignal
hSignal
Entries 991
Mean 601
RMS 152.4
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

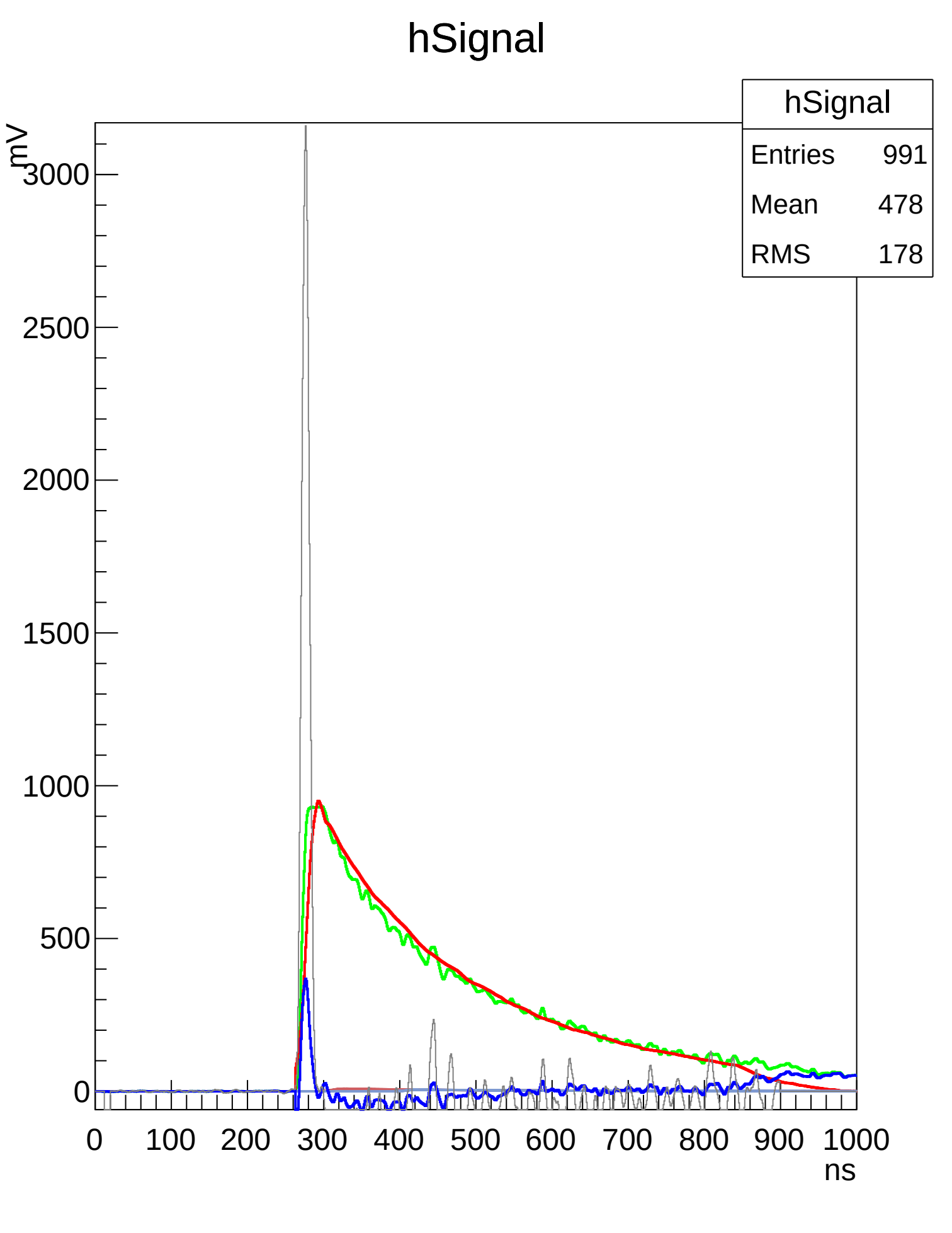

hSignal
hSignal
Entries 991
Mean 548.7
RMS 166.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

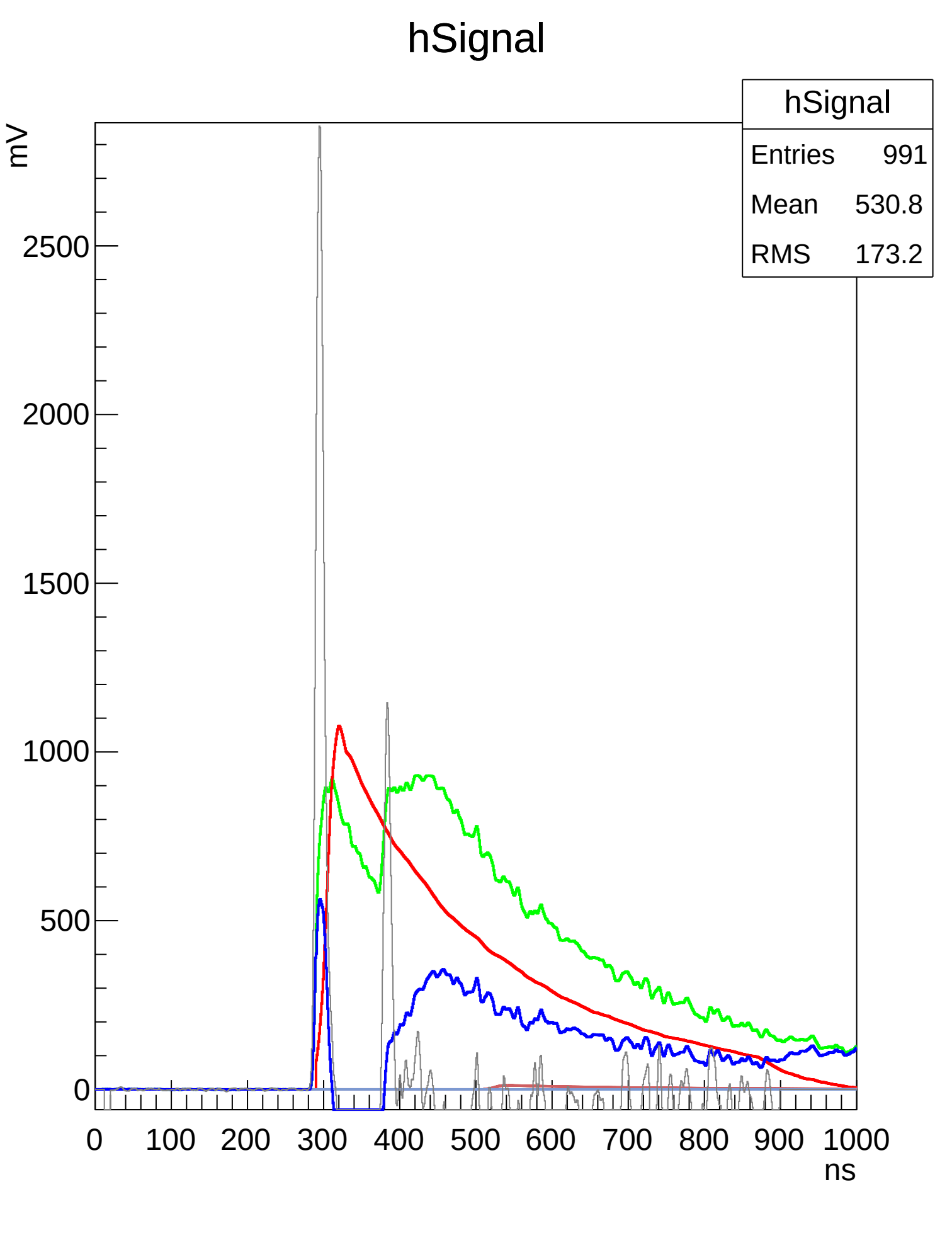

hSignal
hSignal
Entries 991
Mean 586.6
RMS 154.2
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

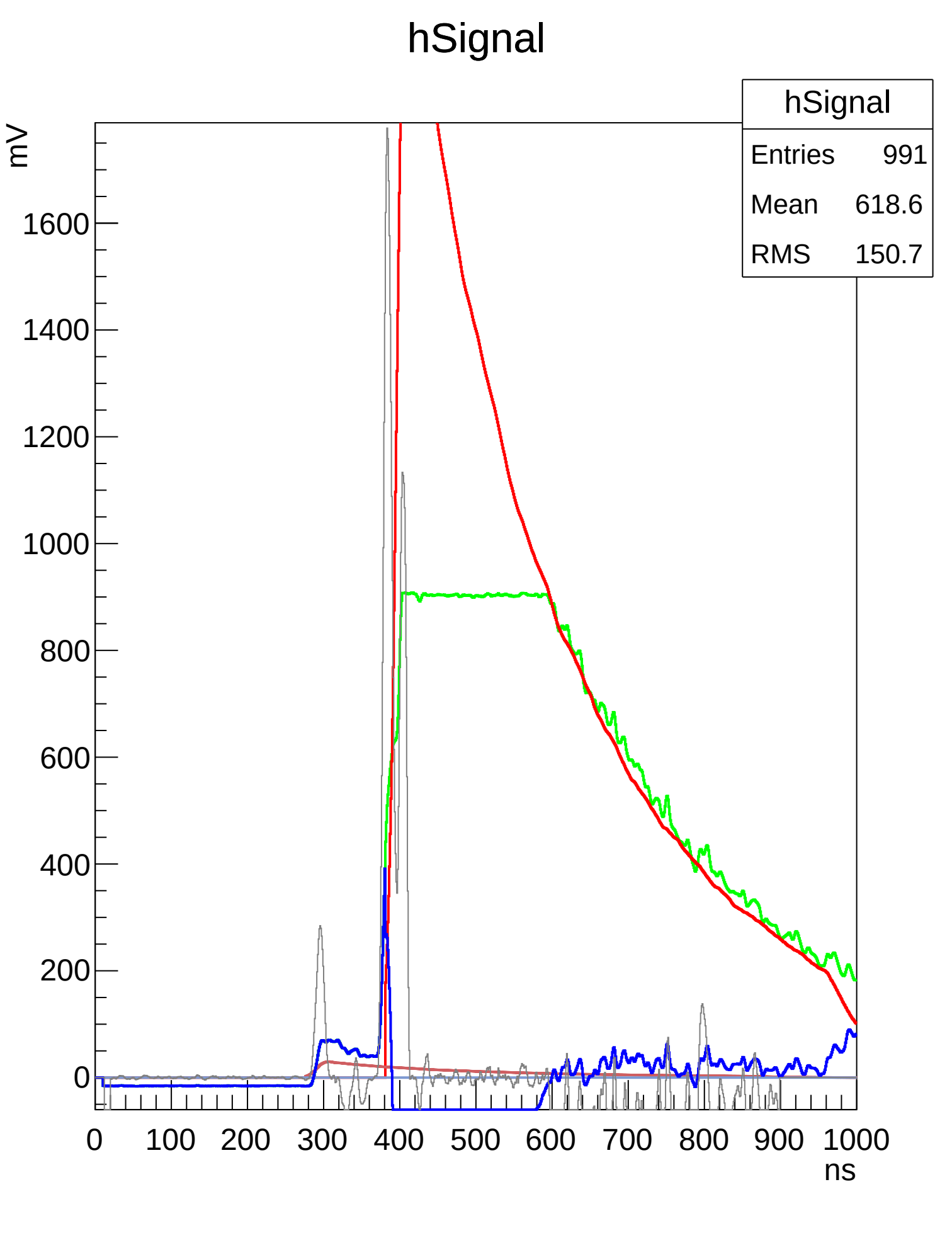

hSignal
hSignal
Entries 991
Mean 566.7
RMS 158.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

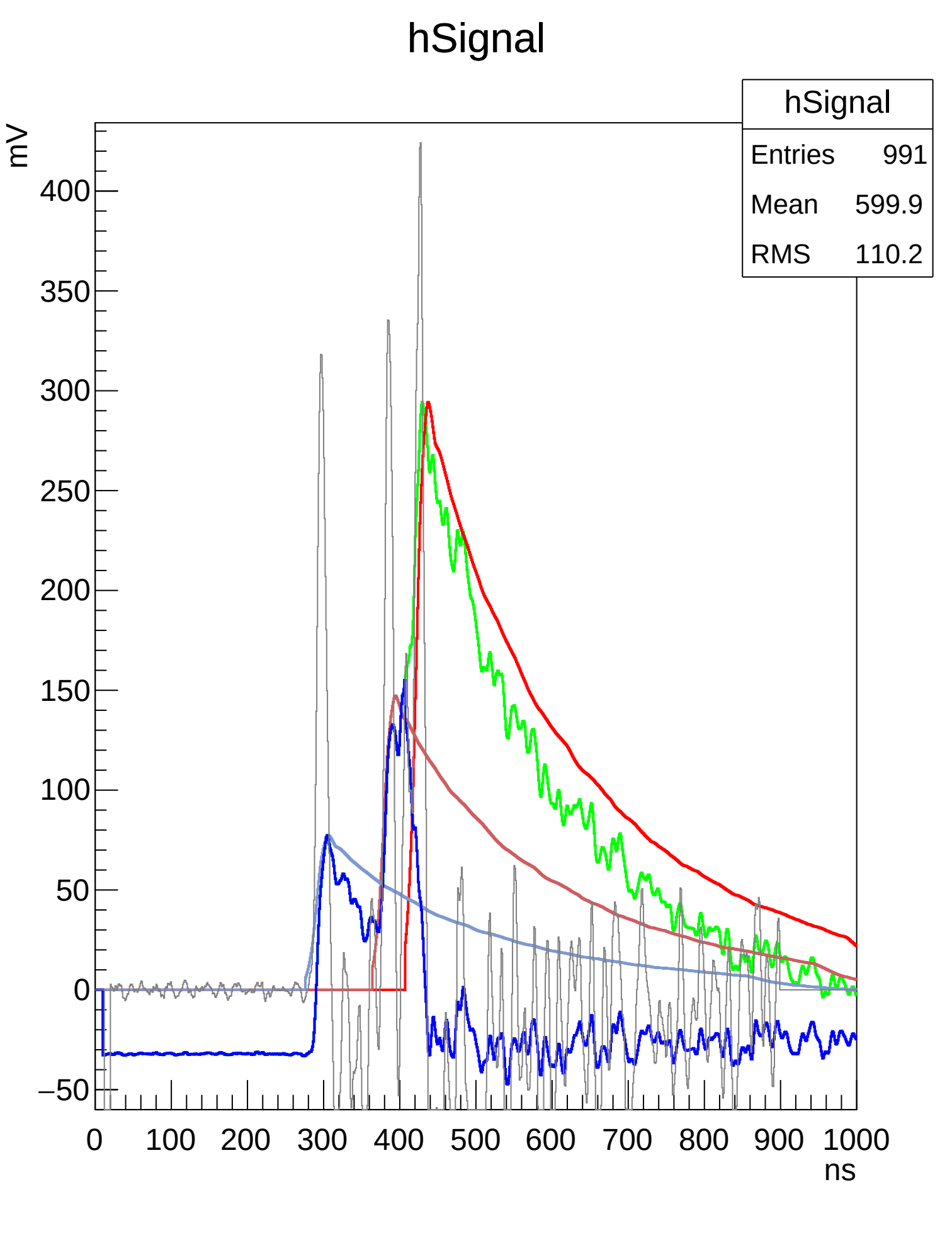

hSignal
hSignal
Entries 991
Mean 557.1
RMS 173.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

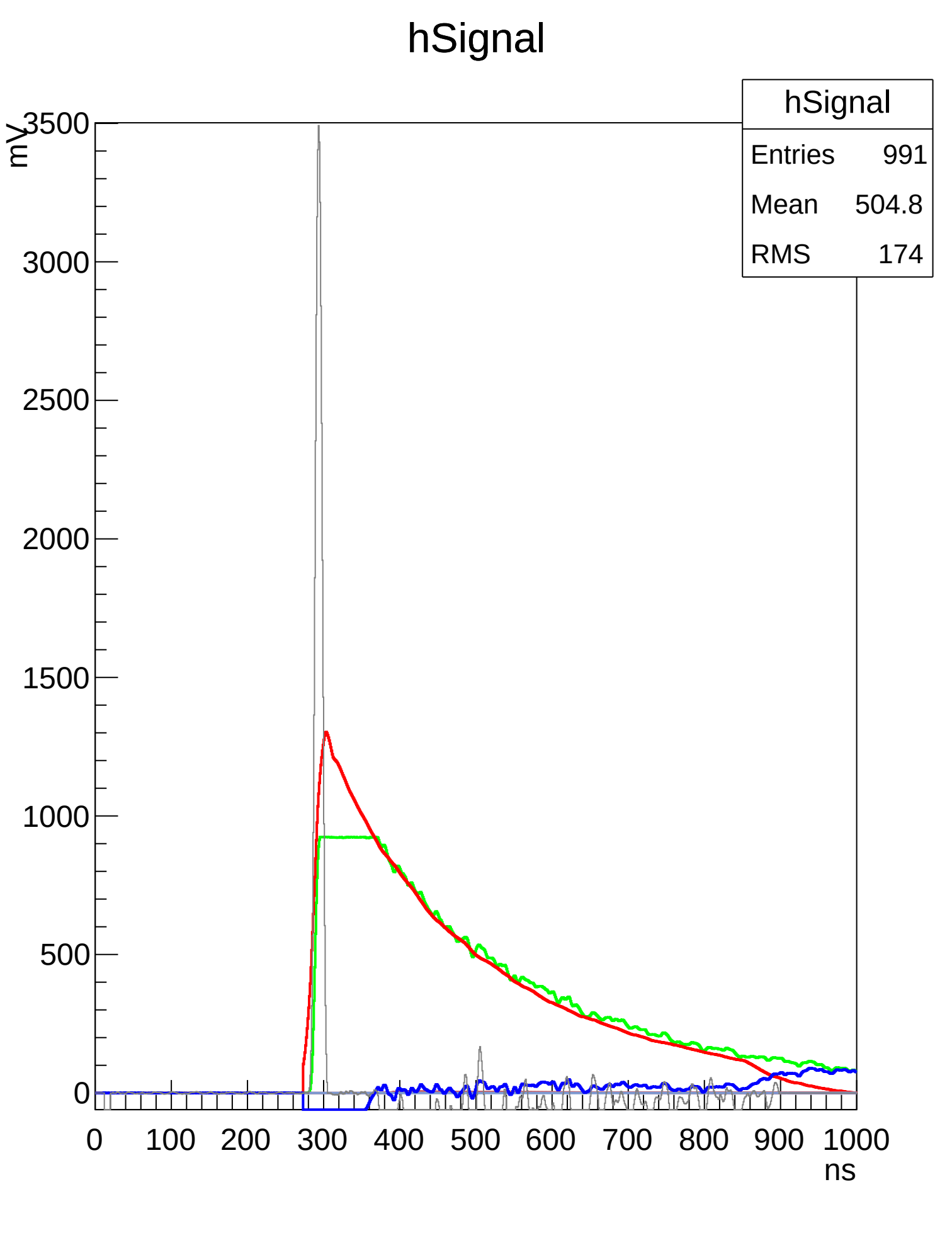

hSignal
hSignal
Entries 991
Mean 551
RMS 170.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

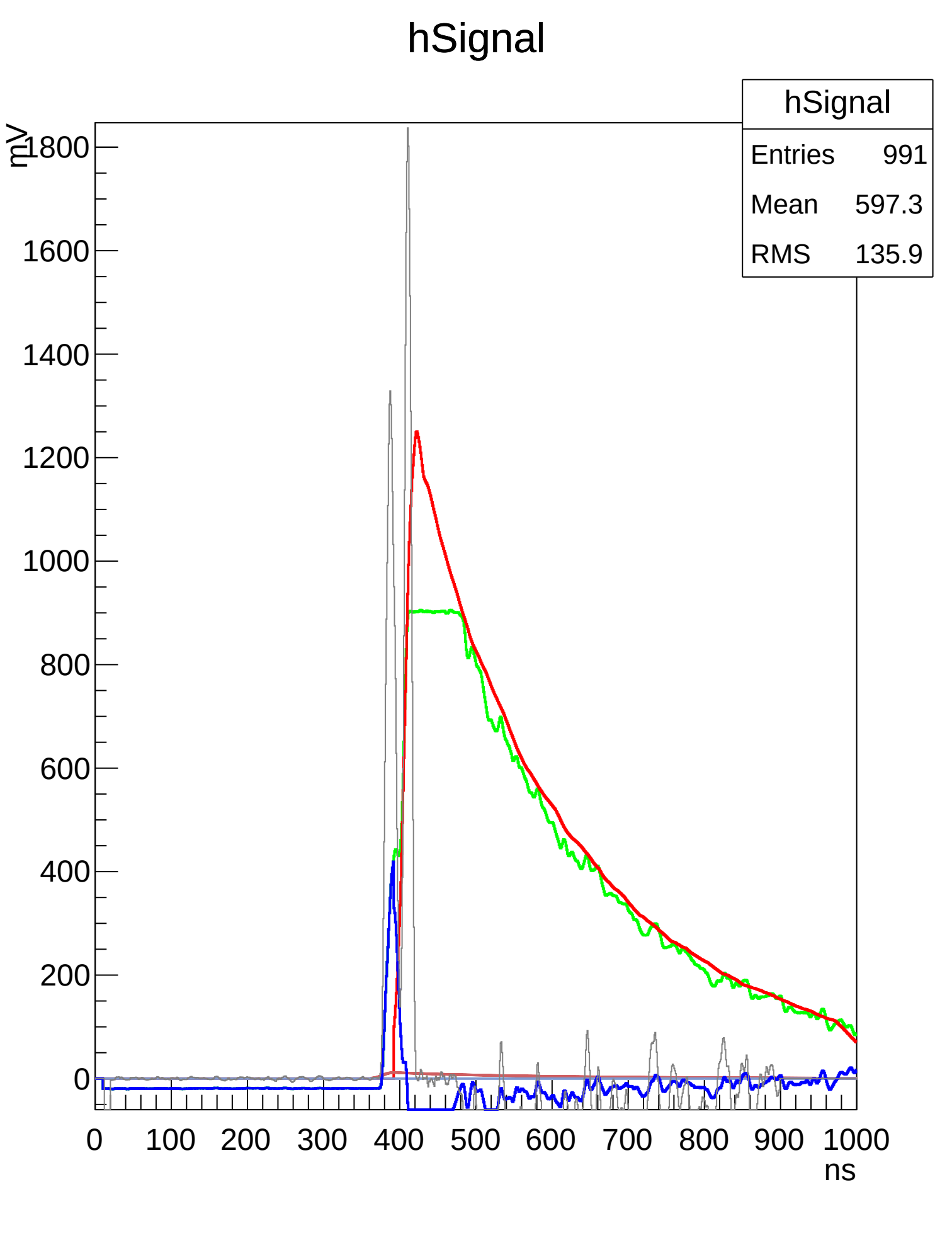

hSignal
hSignal
Entries 991
Mean 478
RMS 178
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

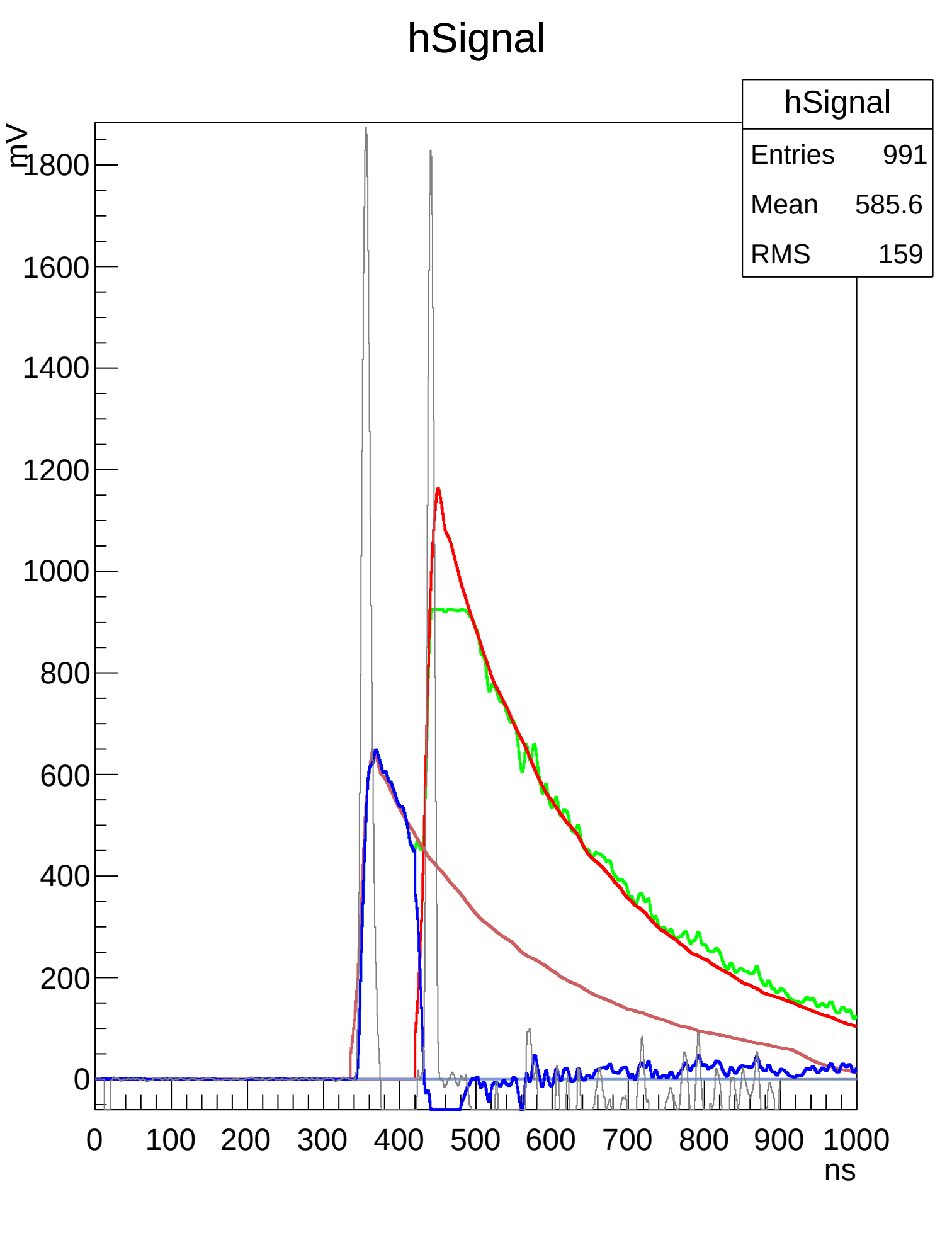

hSignal
hSignal
Entries 991
Mean 530.8
RMS 173.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

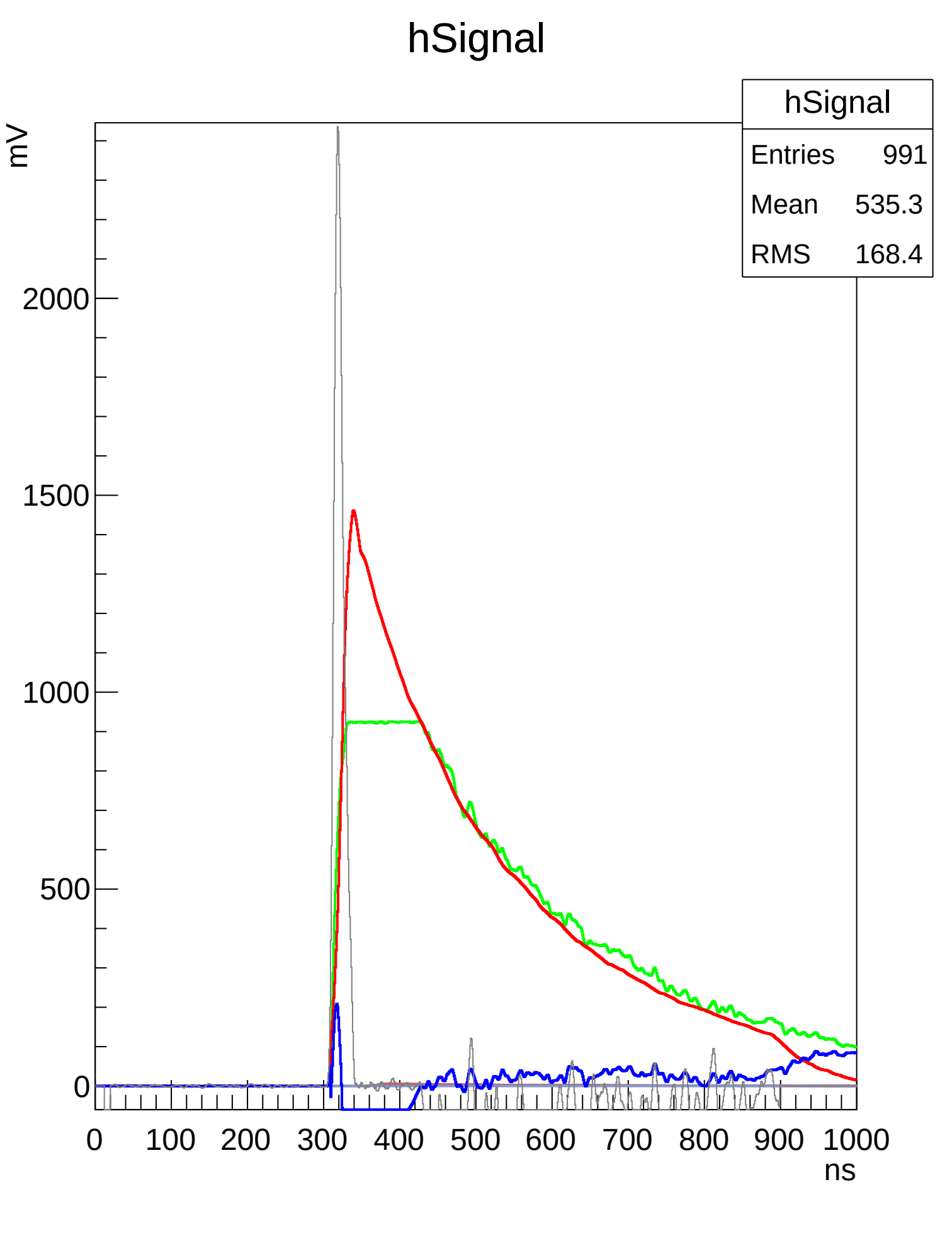

hSignal
hSignal
Entries 991
Mean 618.6
RMS 150.7
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

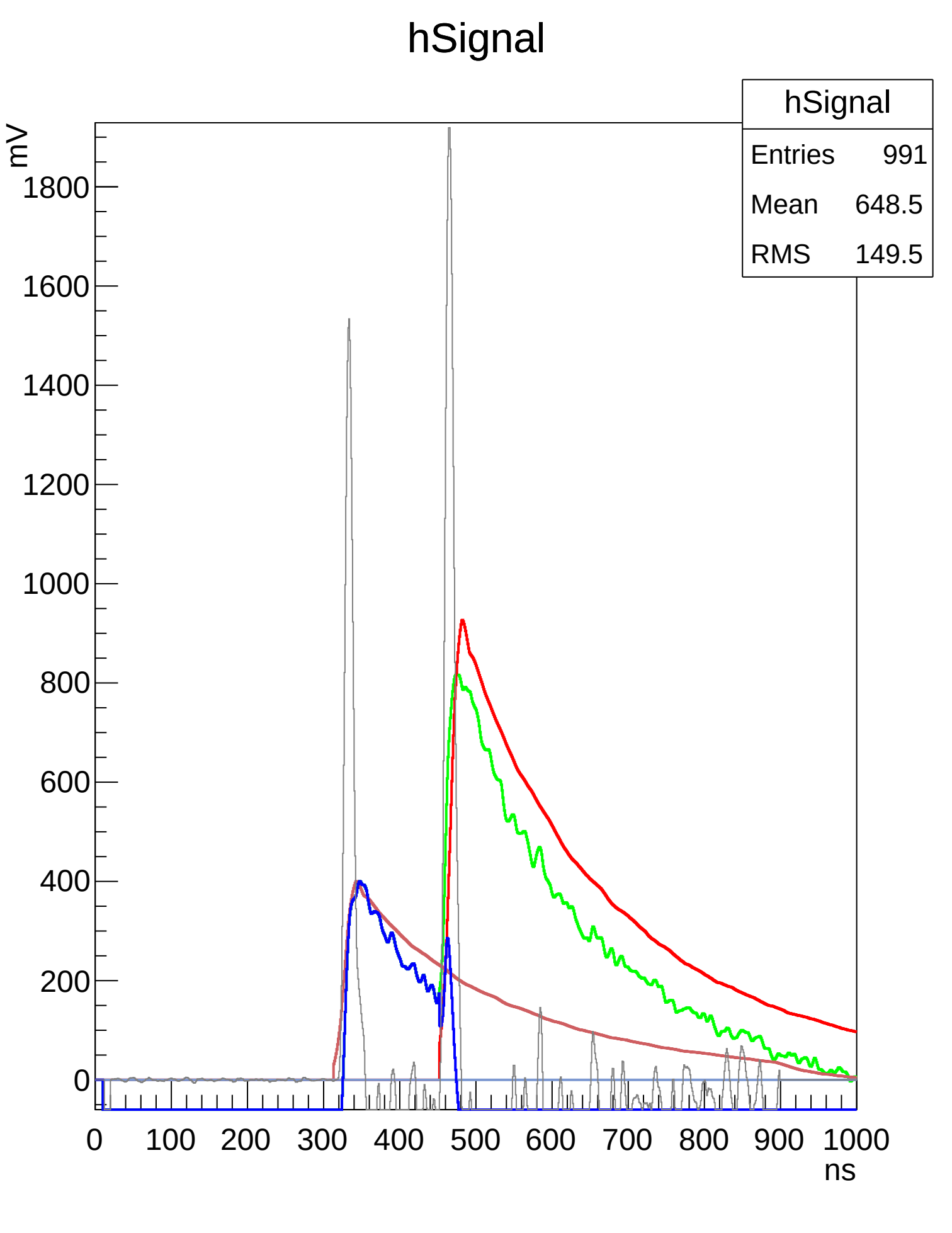

hSignal
hSignal
Entries 991
Mean 599.9
RMS 110.2
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

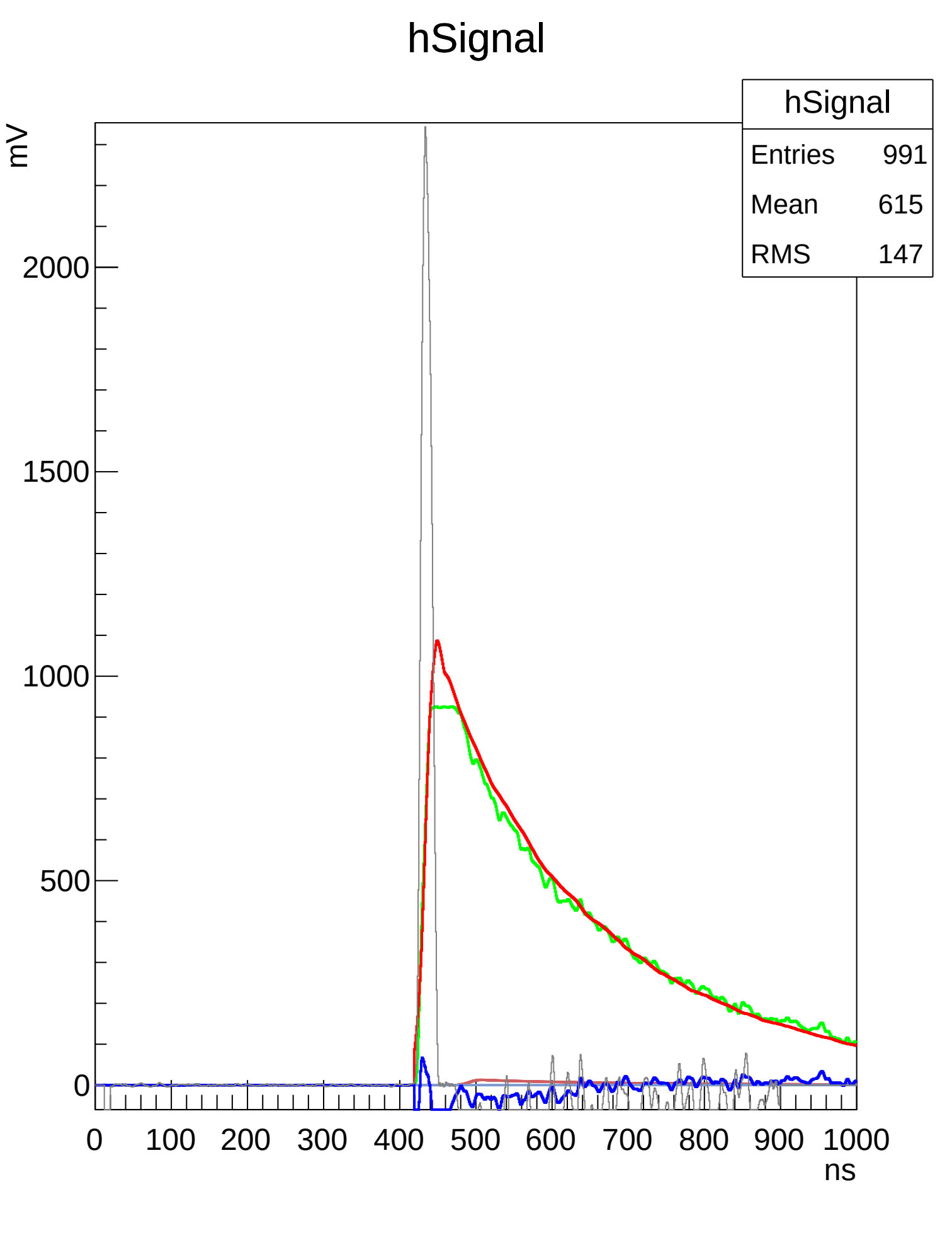

hSignal
hSignal
Entries 991
Mean 504.8
RMS 174
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

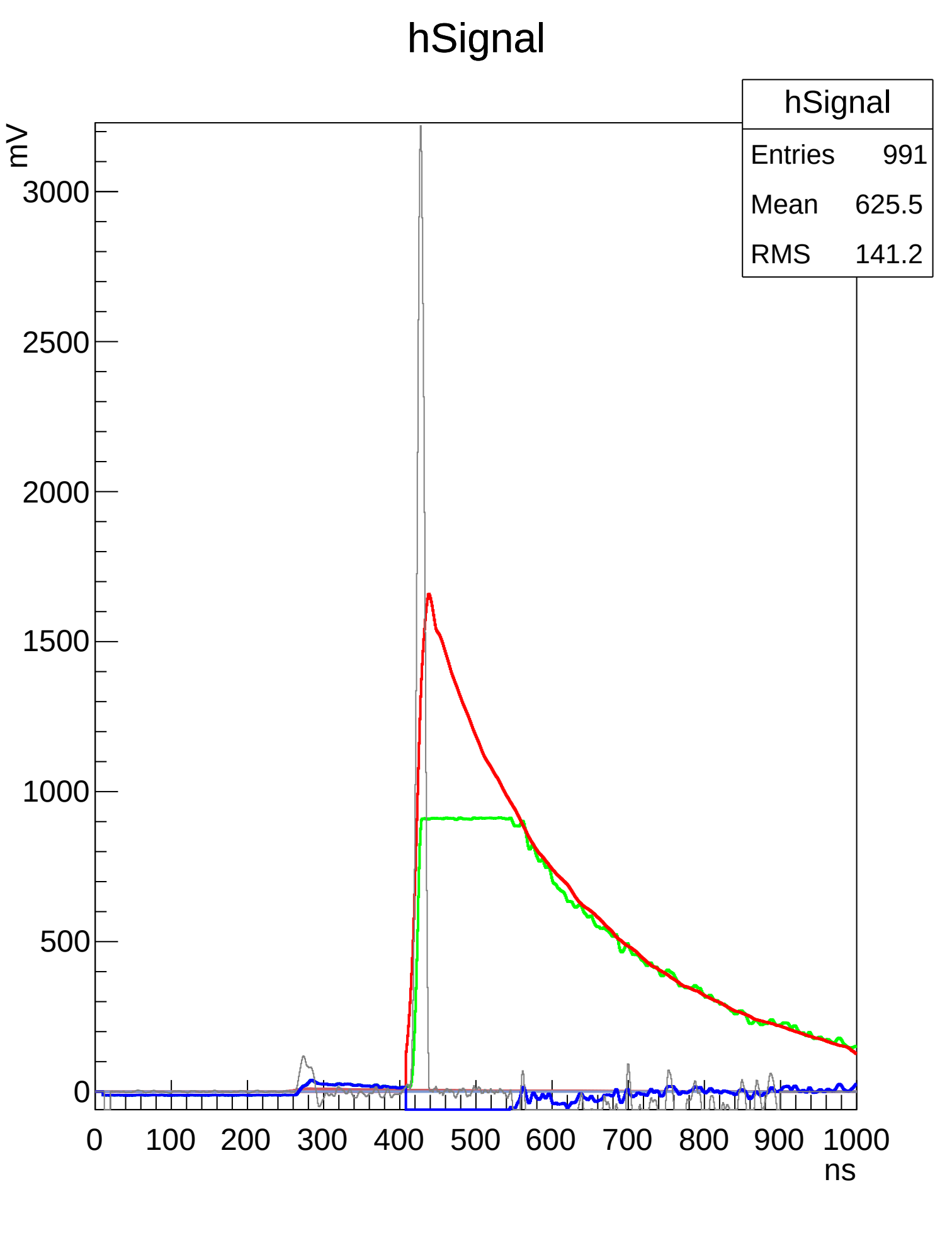

hSignal
hSignal
Entries 991
Mean 597.3
RMS 135.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

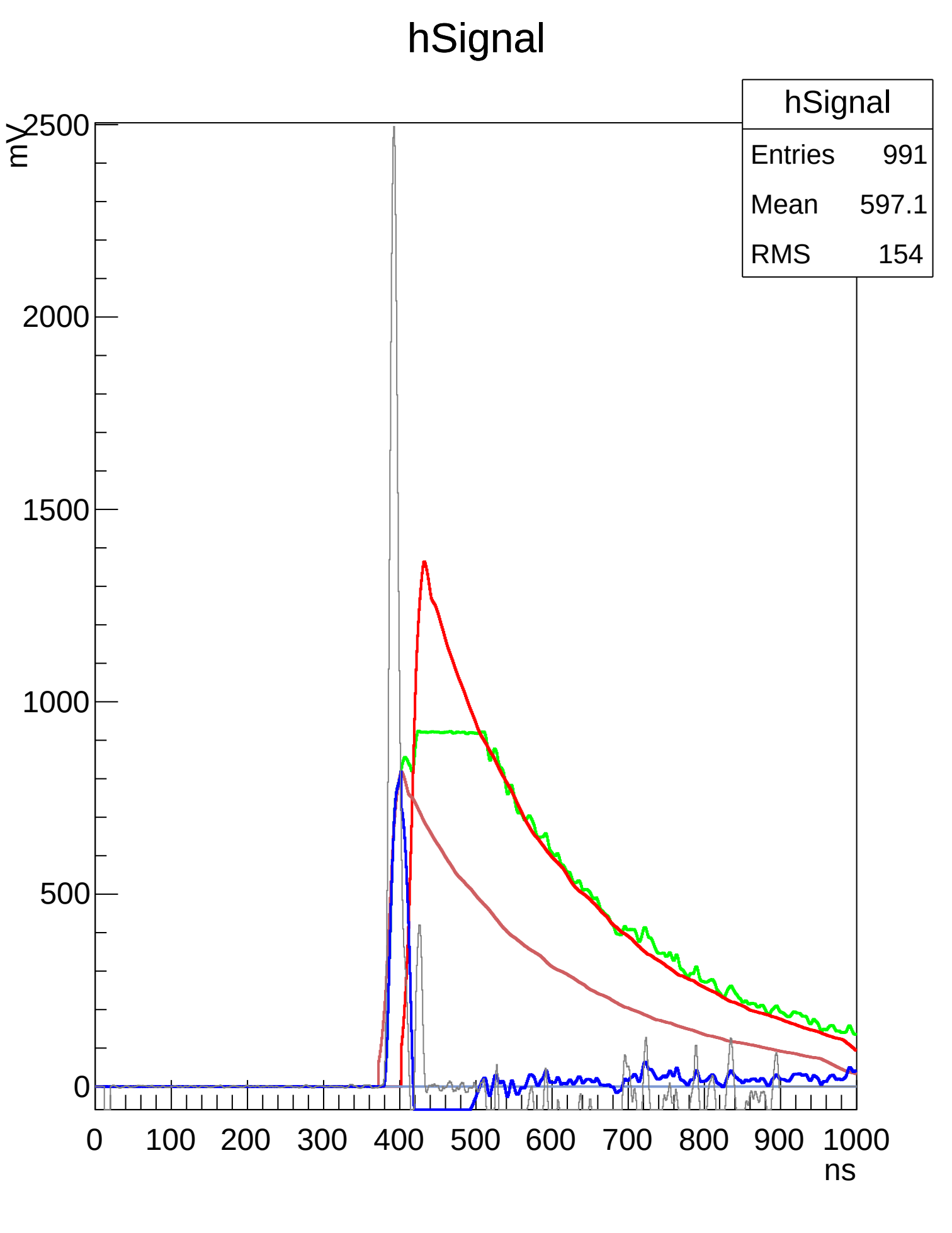

hSignal
hSignal
Entries 991
Mean 585.6
RMS 159
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

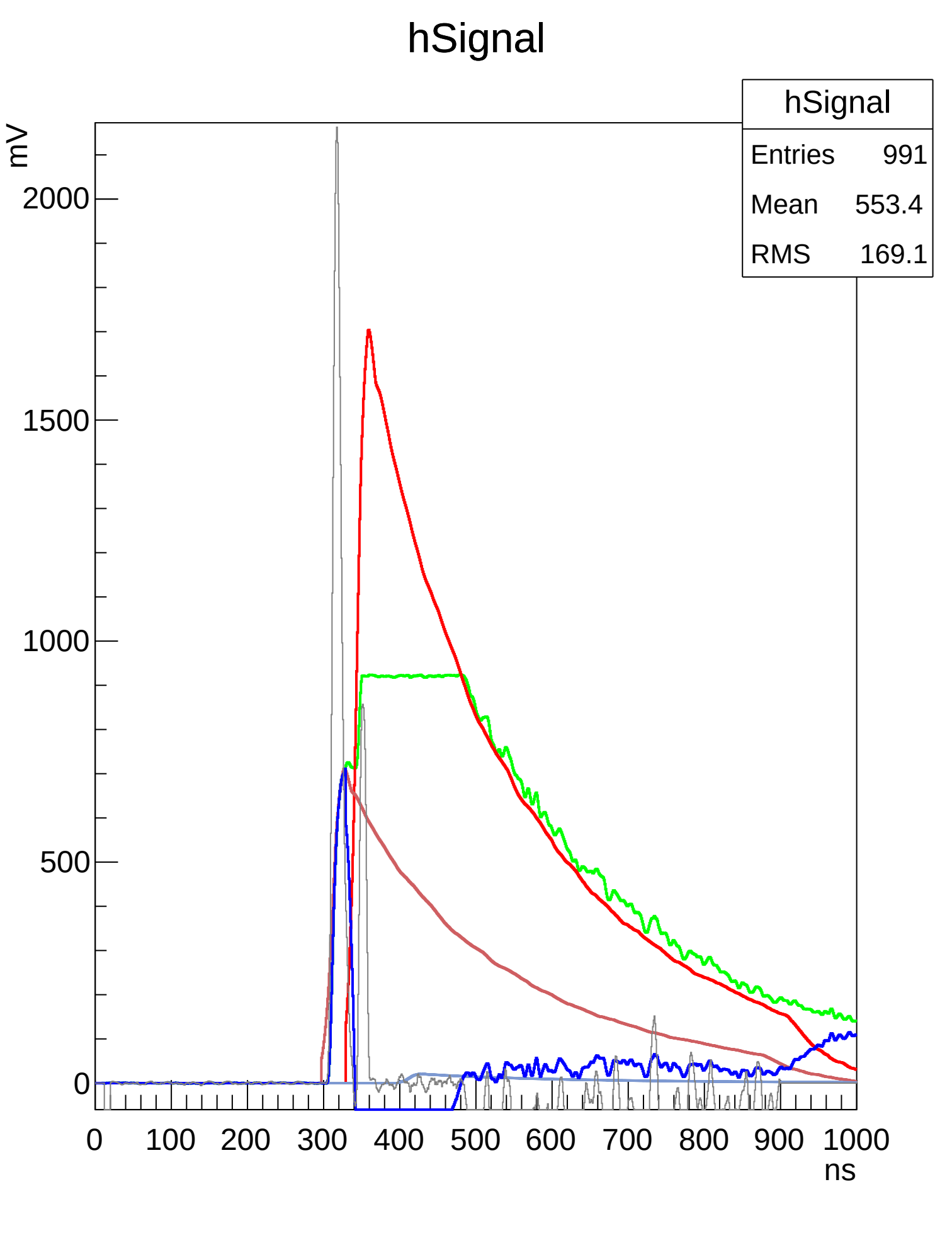

hSignal
hSignal
Entries 991
Mean 535.3
RMS 168.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

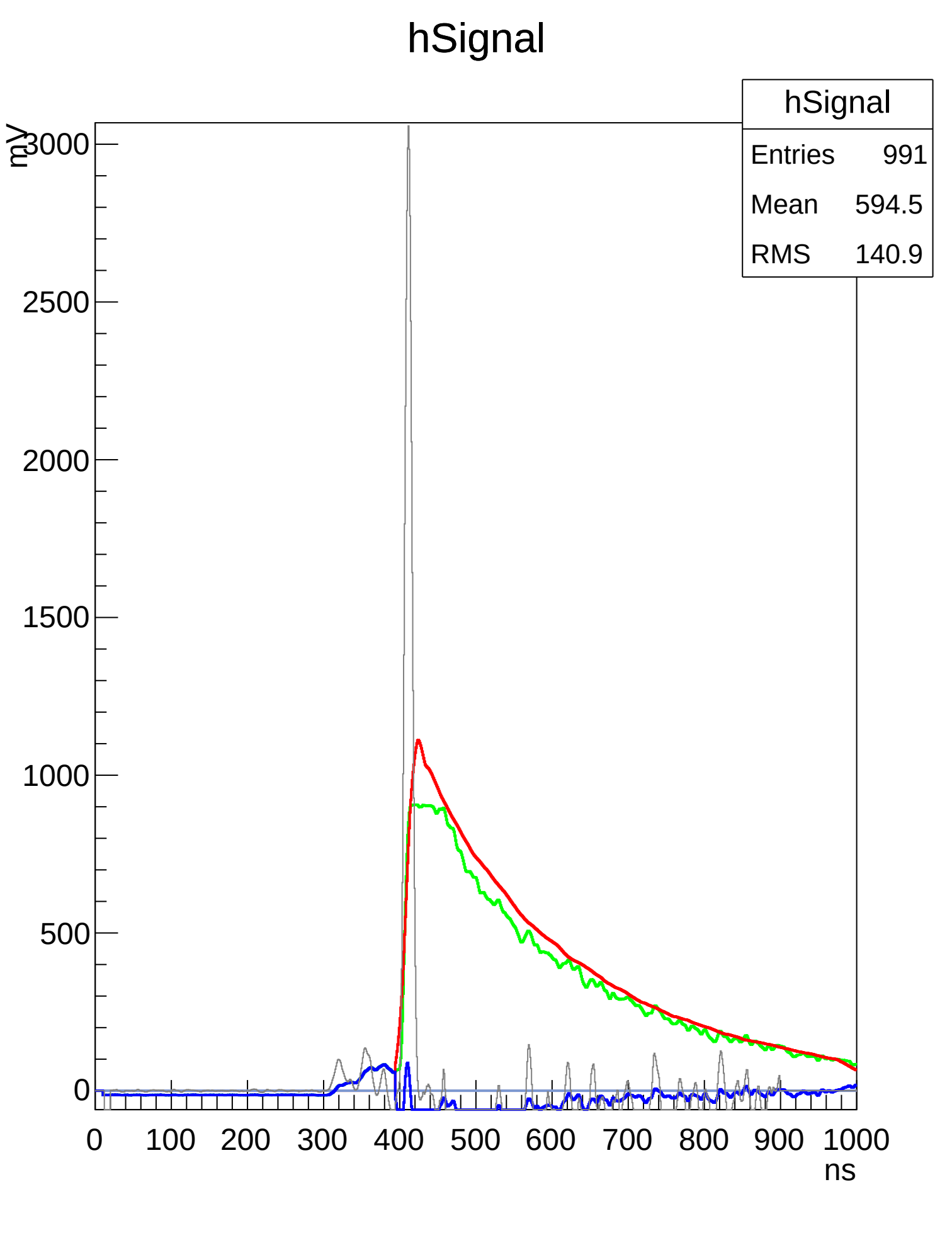

hSignal
hSignal
Entries 991
Mean 648.5
RMS 149.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

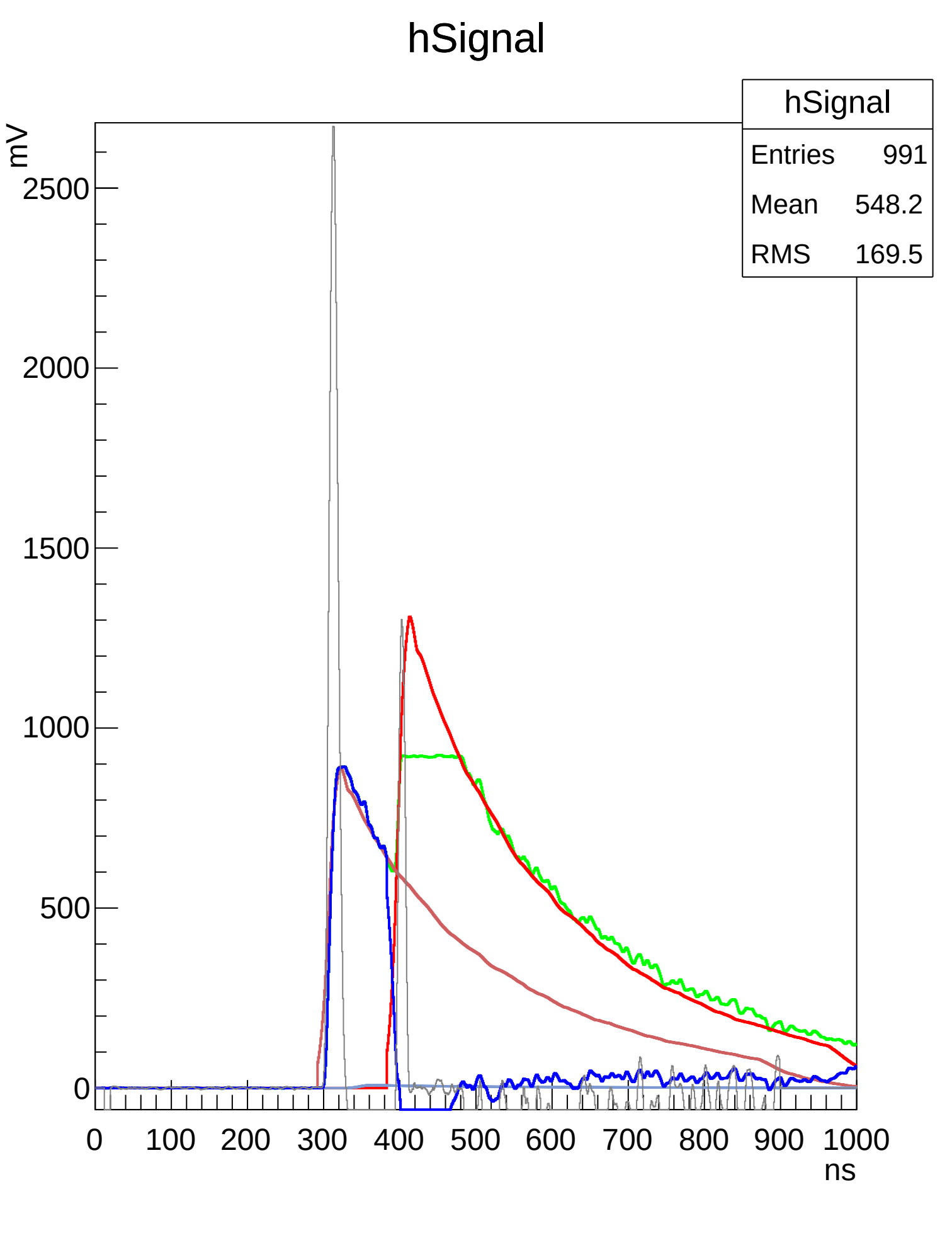

hSignal
hSignal
Entries 991
Mean 615
RMS 147
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

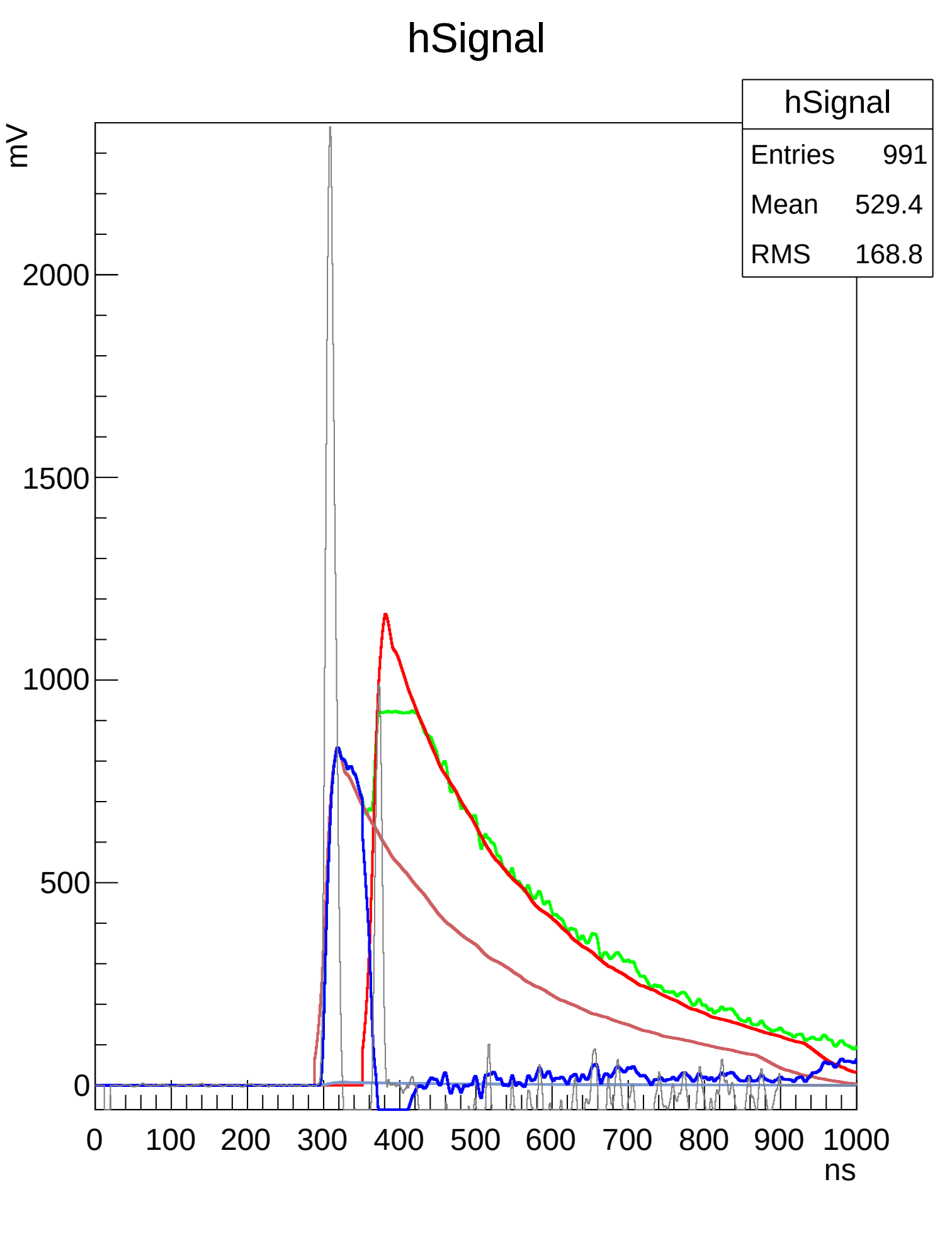

hSignal
hSignal
Entries 991
Mean 625.5
RMS 141.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

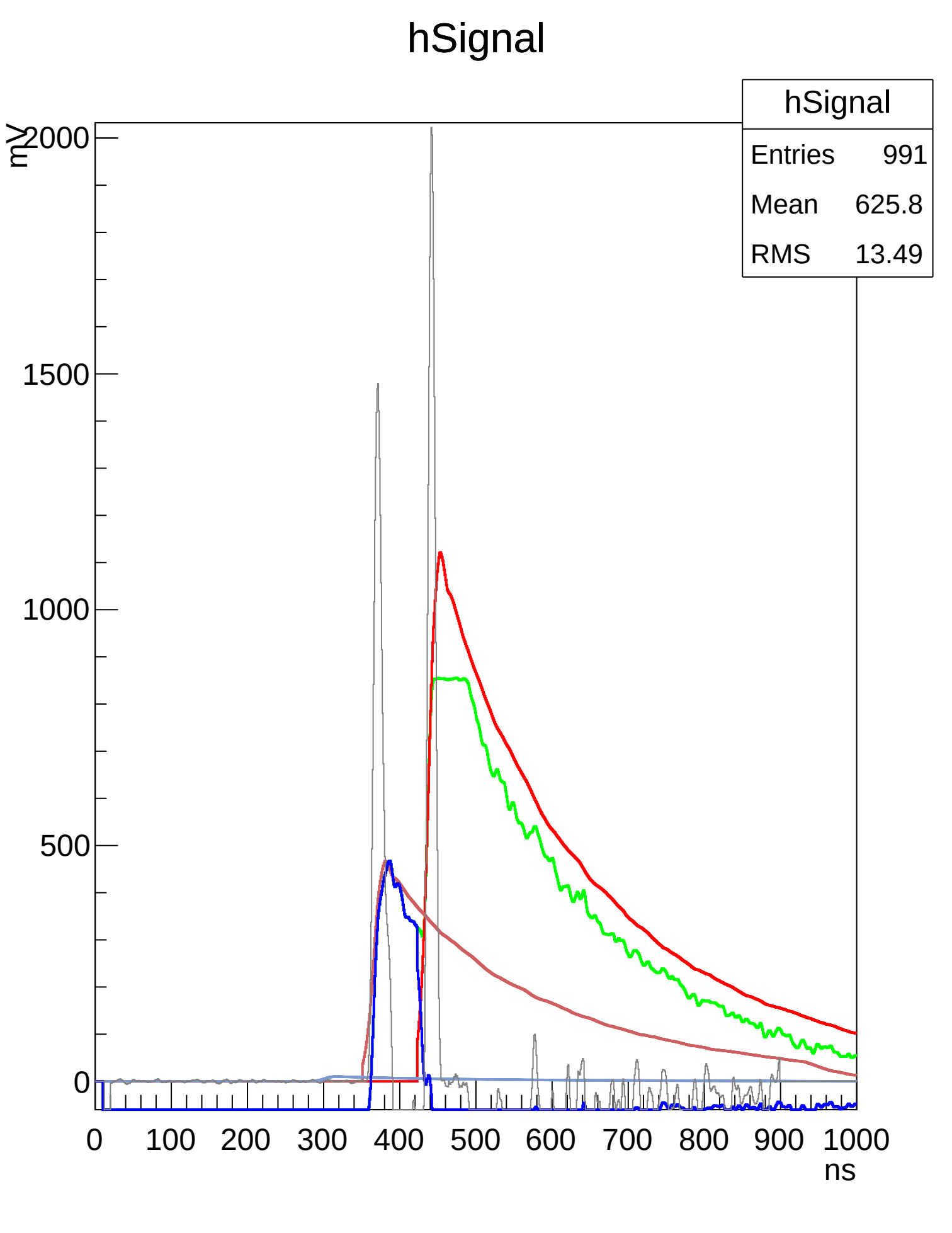

hSignal
hSignal
Entries 991
Mean 597.1
RMS 154
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

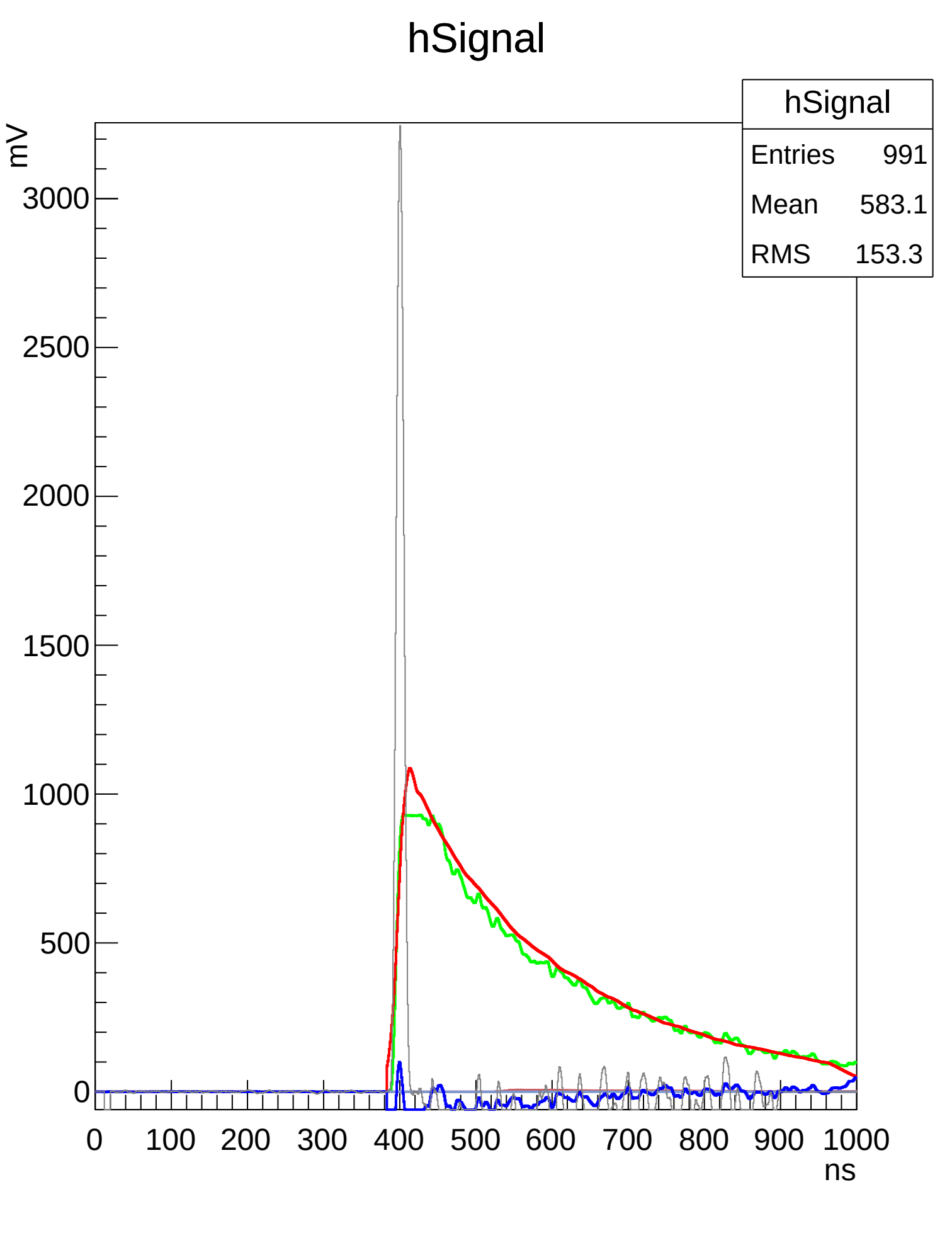

hSignal
hSignal
Entries 991
Mean 553.4
RMS 169.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

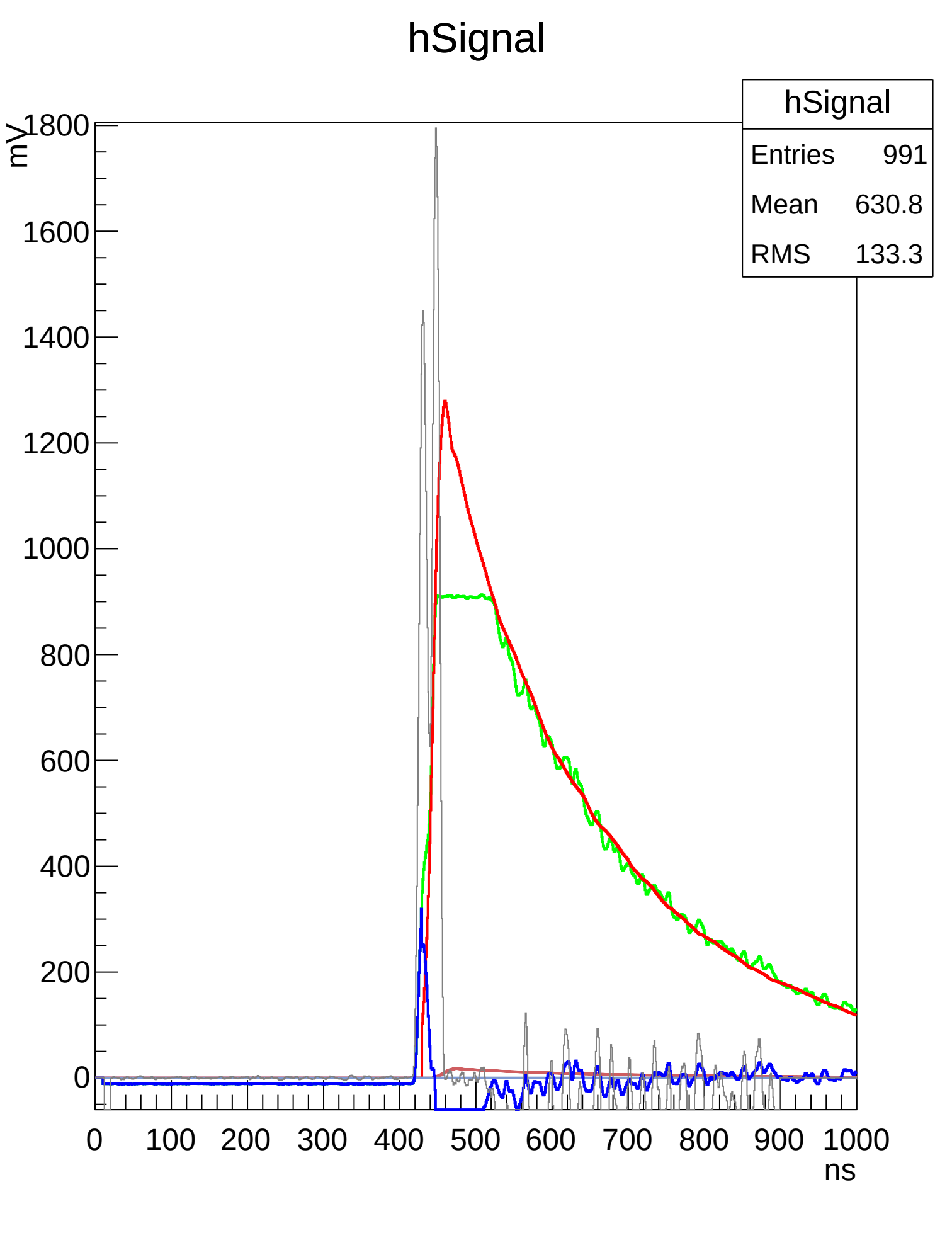

hSignal
hSignal
Entries 991
Mean 594.5
RMS 140.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

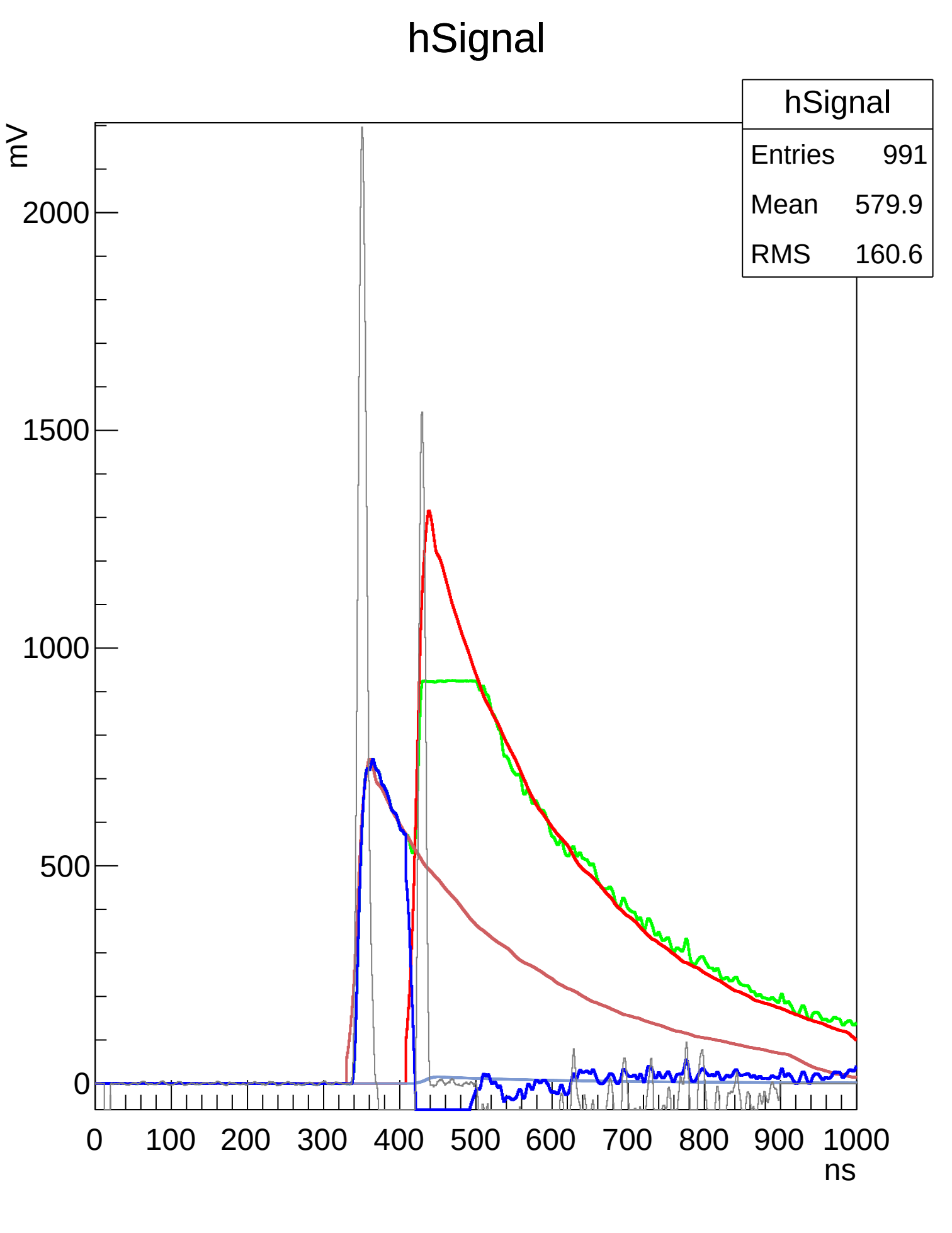

hSignal
hSignal
Entries 991
Mean 548.2
RMS 169.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

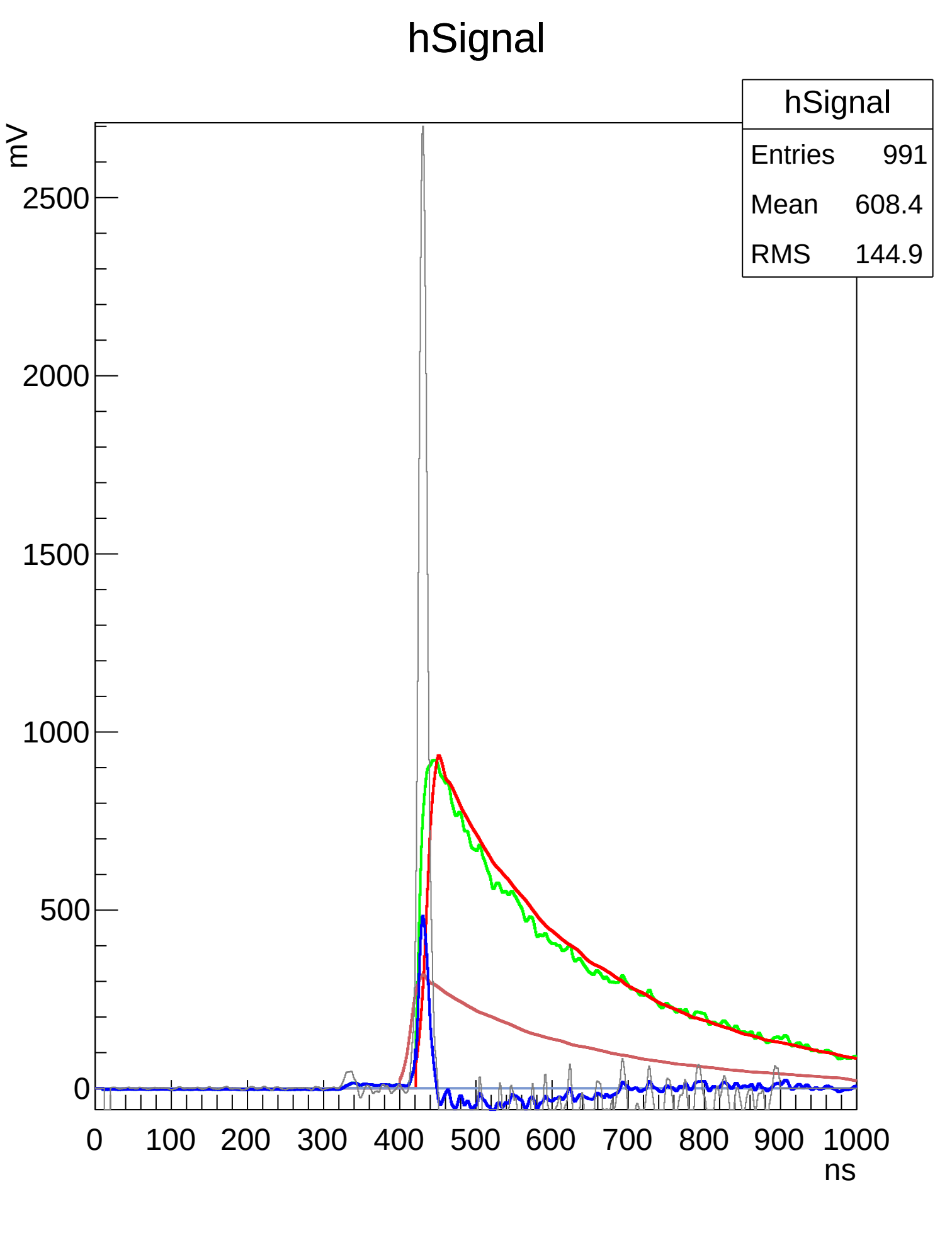

hSignal
hSignal
Entries 991
Mean 529.4
RMS 168.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

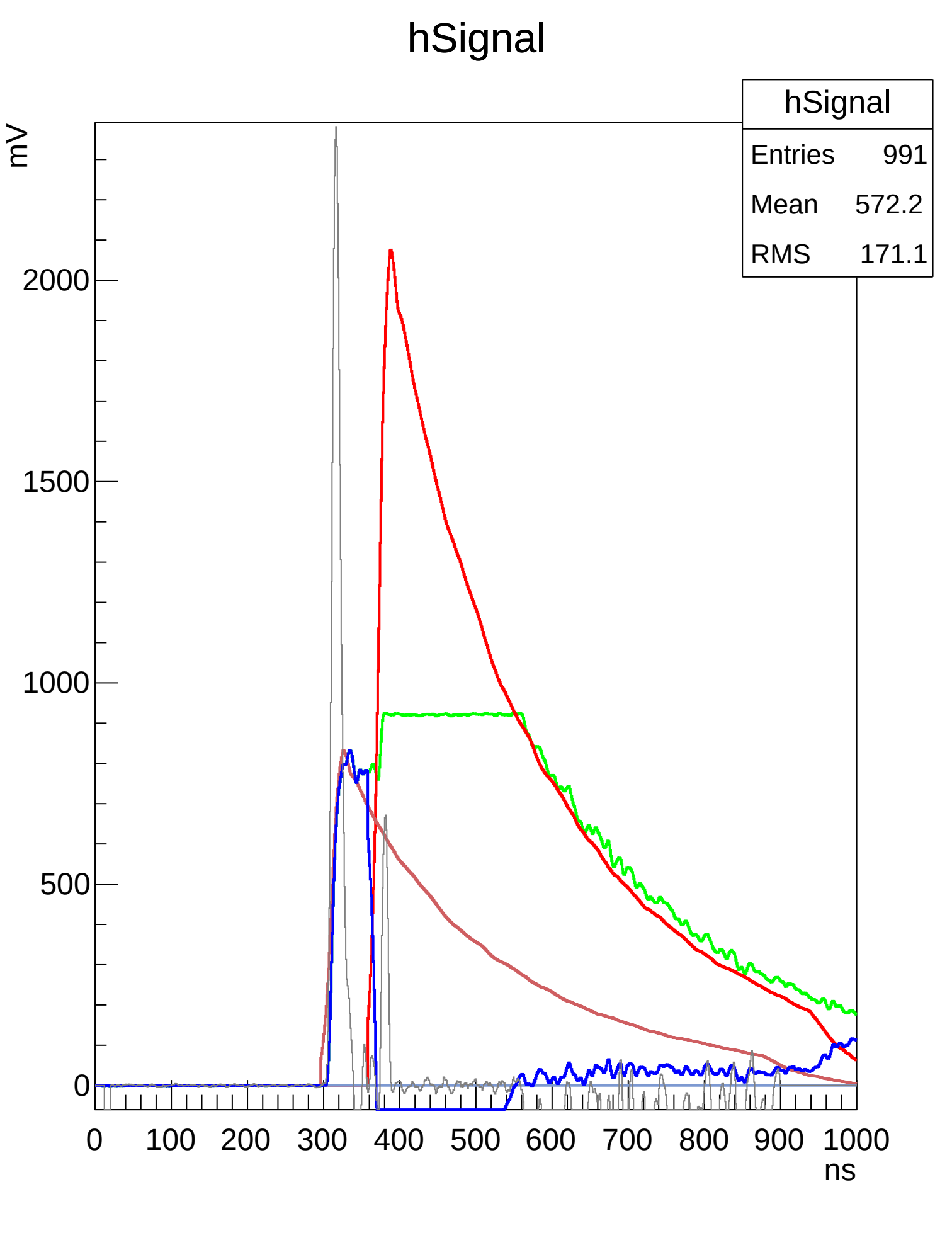

hSignal
hSignal
Entries 991
Mean 625.8
RMS 13.49
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

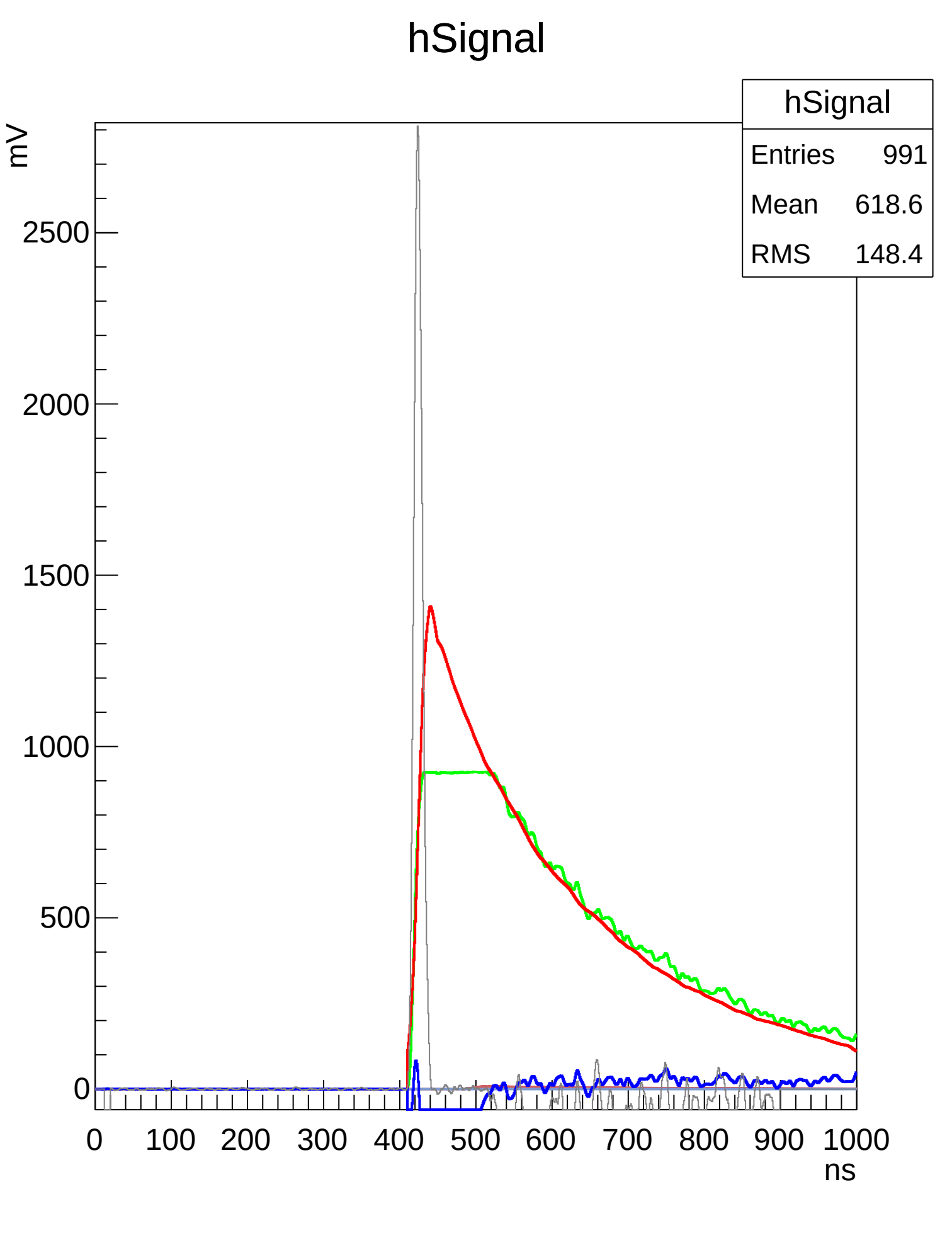

hSignal
hSignal
Entries 991
Mean 583.1
RMS 153.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

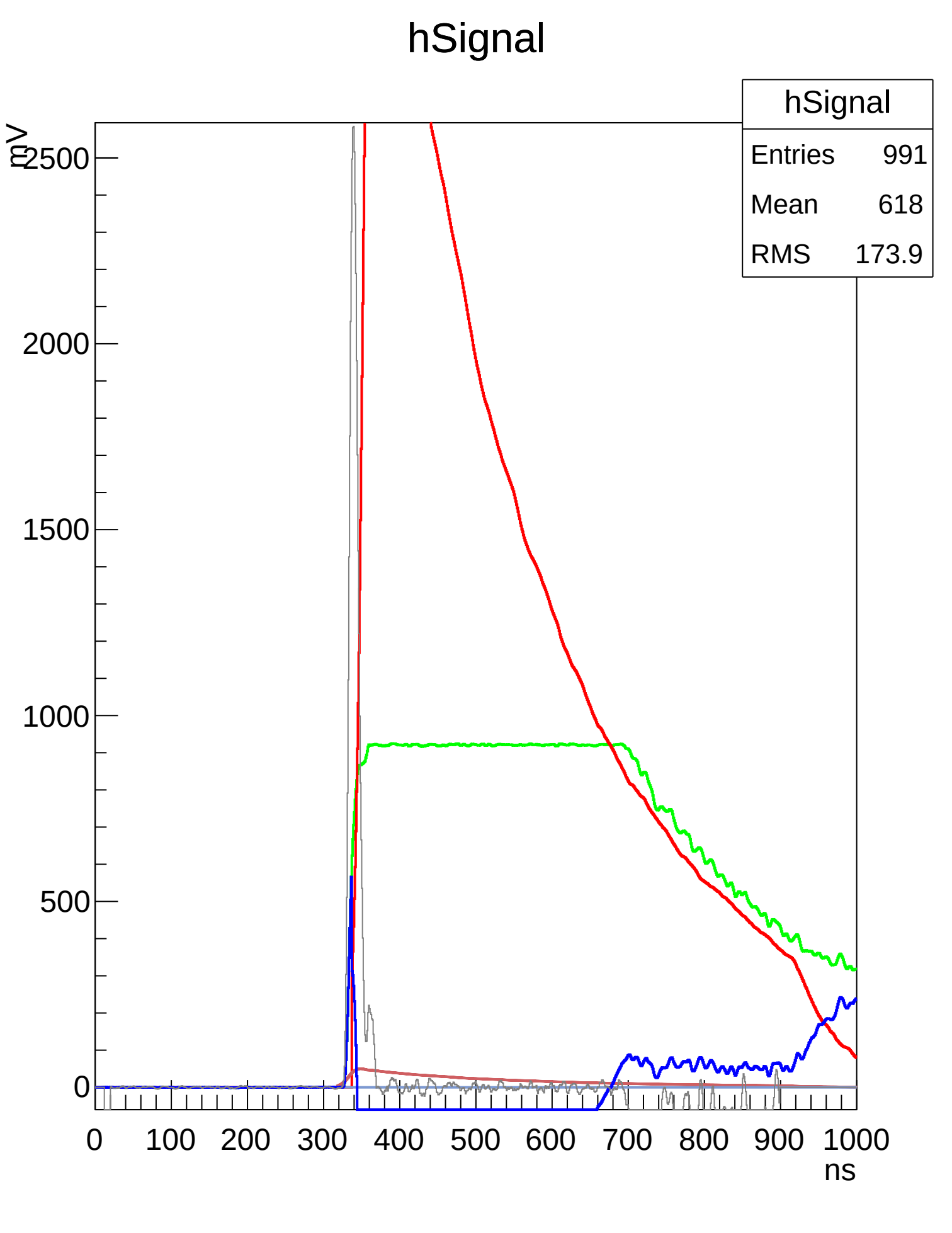

hSignal
hSignal
Entries 991
Mean 630.8
RMS 133.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

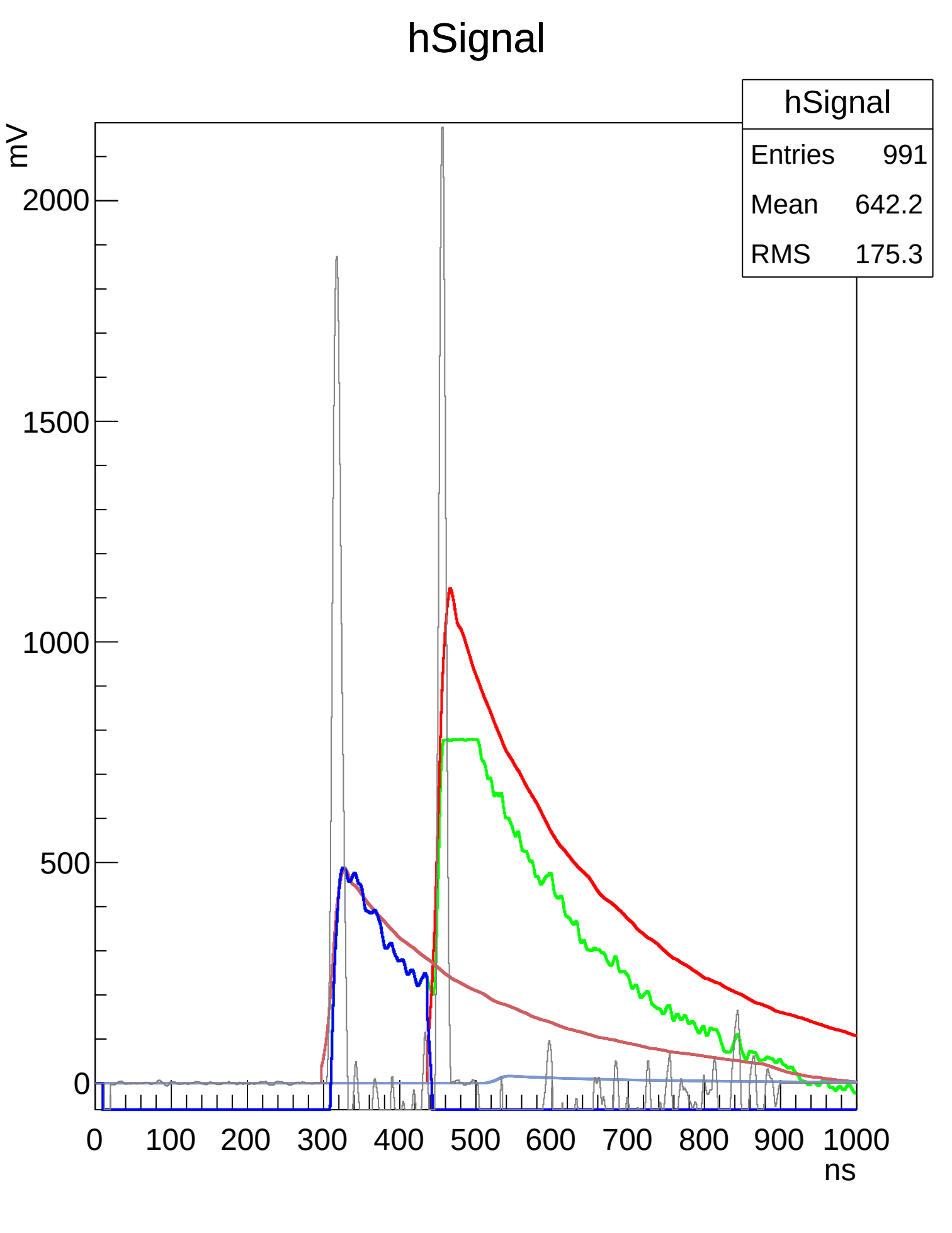

hSignal
hSignal
Entries 991
Mean 579.9
RMS 160.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

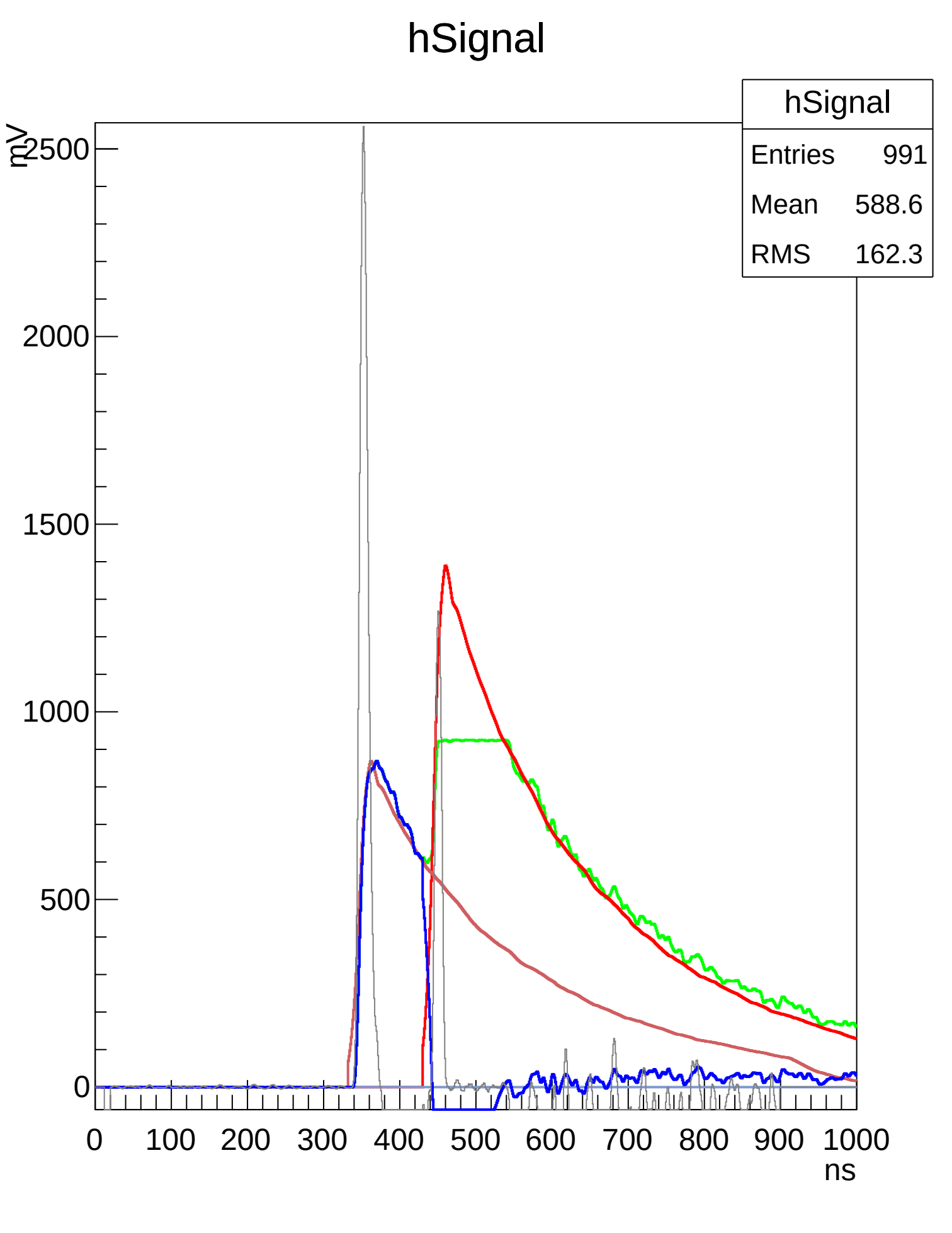

hSignal
hSignal
Entries 991
Mean 608.4
RMS 144.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

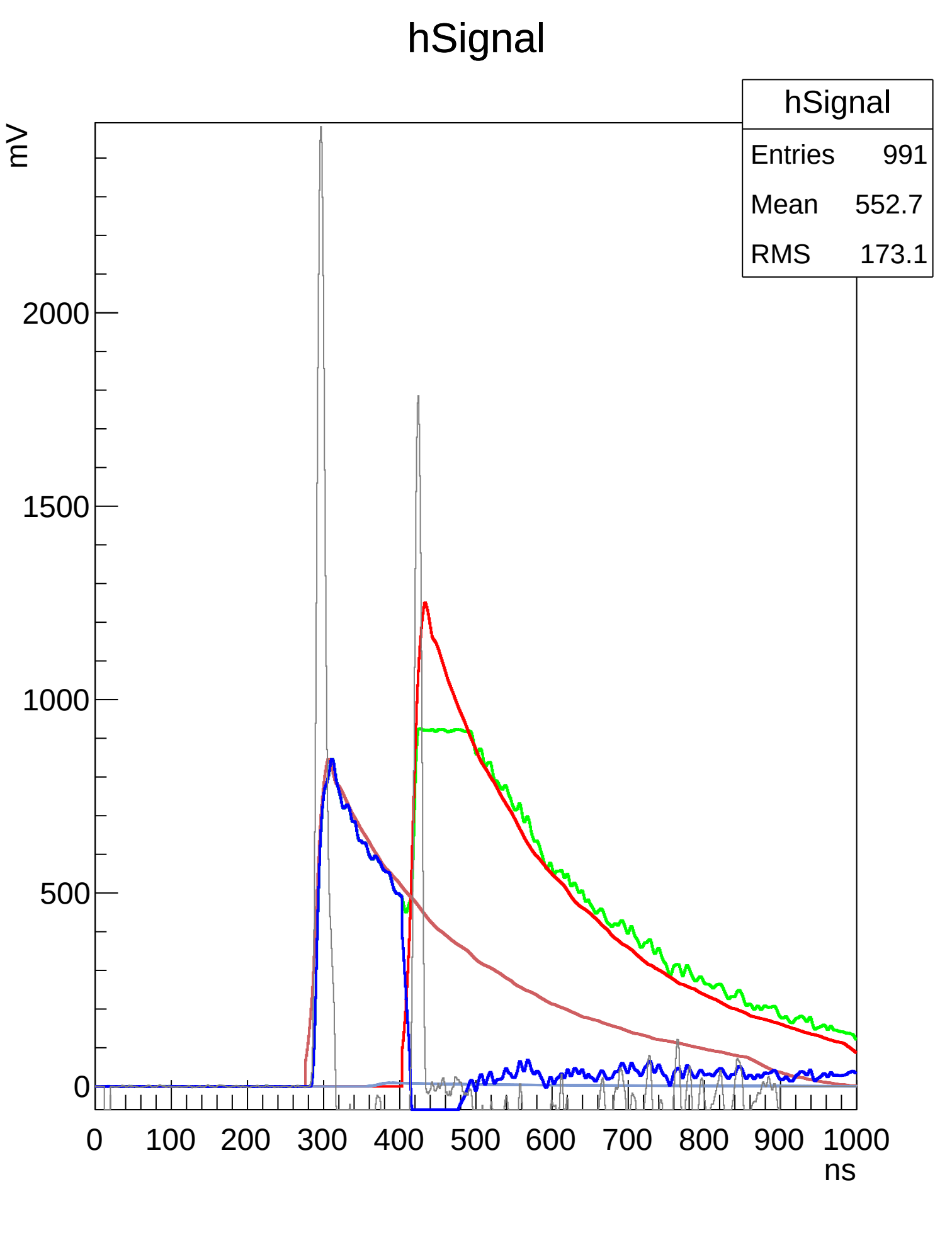

hSignal
hSignal
Entries 991
Mean 572.2
RMS 171.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

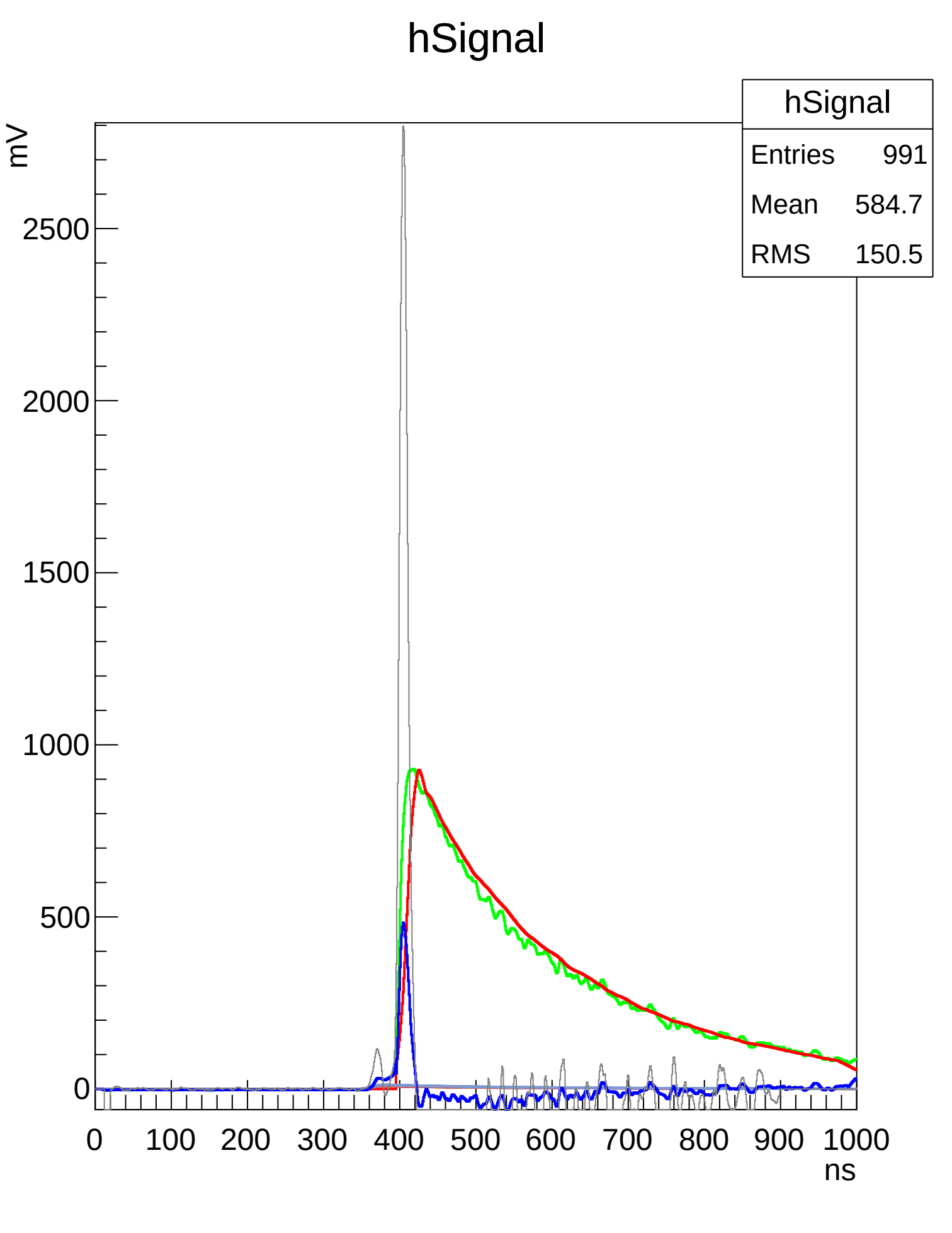

hSignal
hSignal
Entries 991
Mean 618.6
RMS 148.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

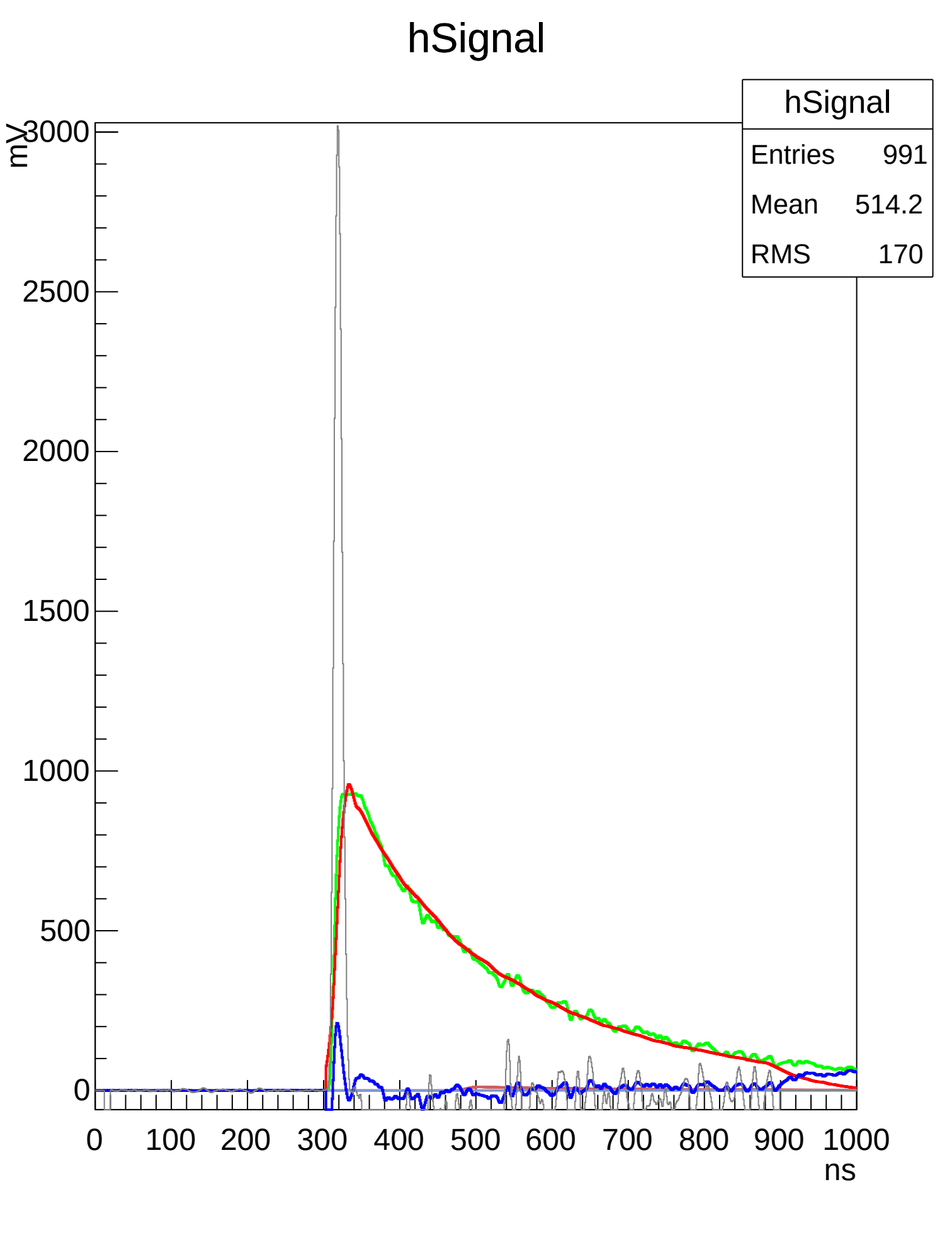

hSignal
hSignal
Entries 991
Mean 618
RMS 173.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

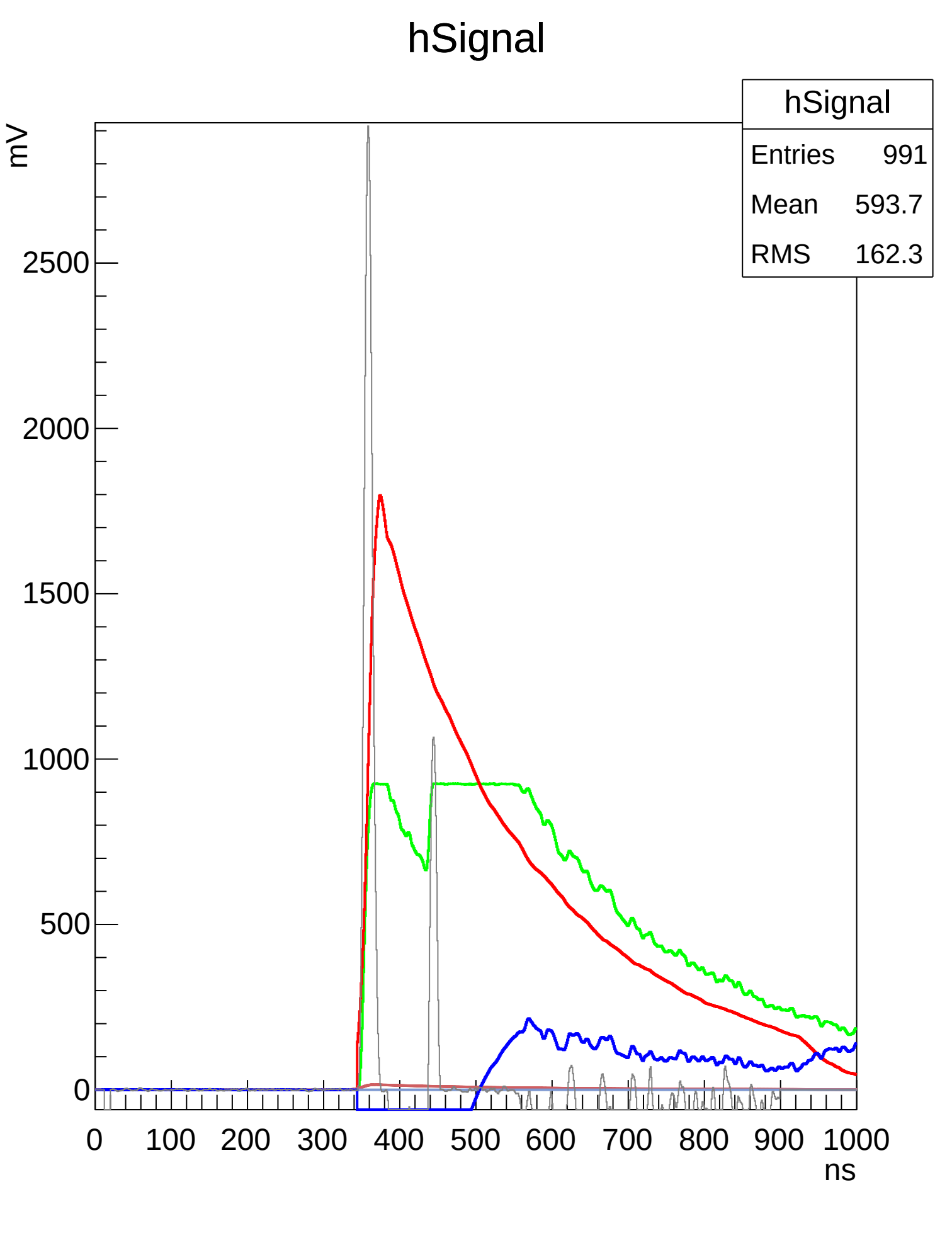

hSignal
hSignal
Entries 991
Mean 642.2
RMS 175.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

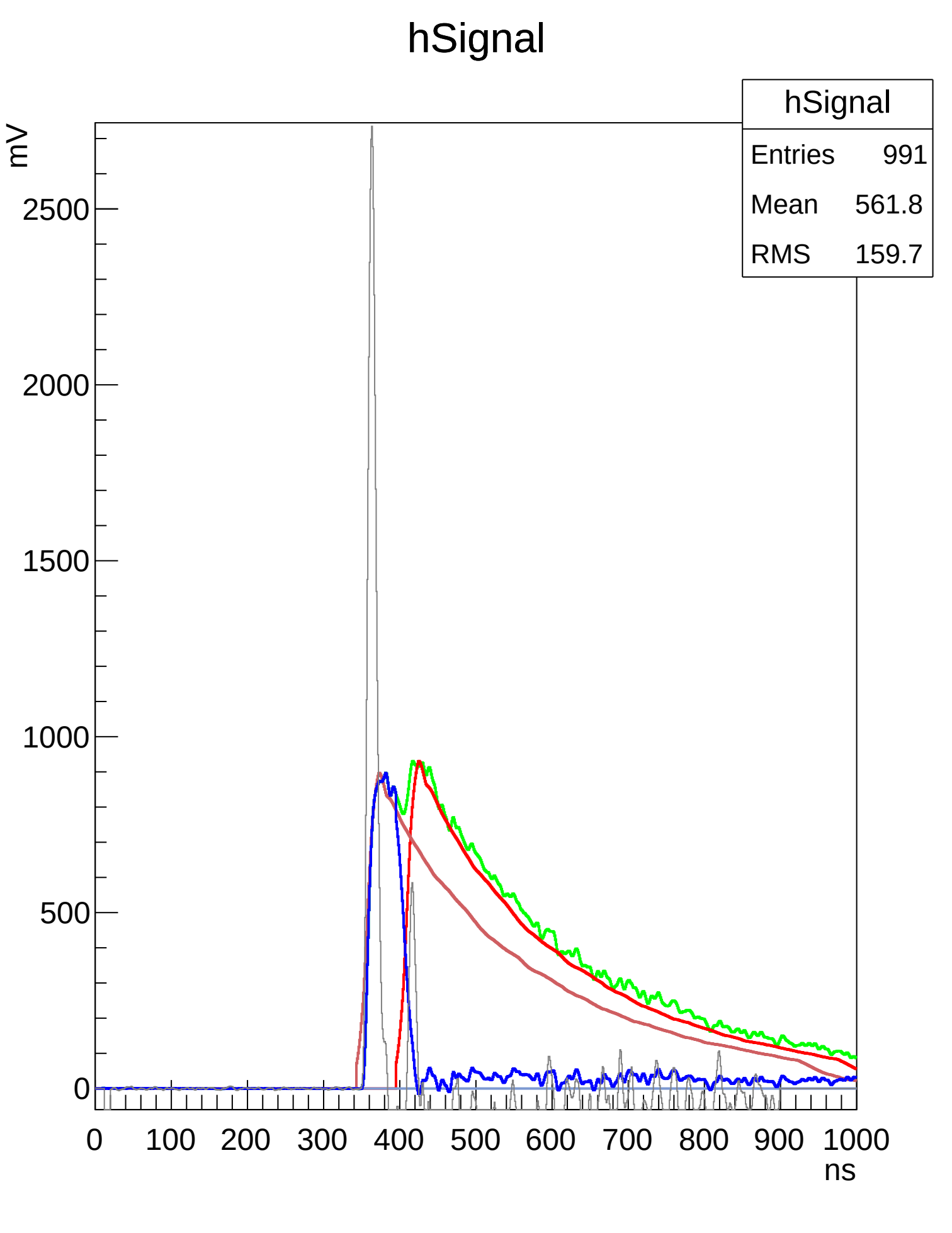

hSignal
hSignal
Entries 991
Mean 588.6
RMS 162.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

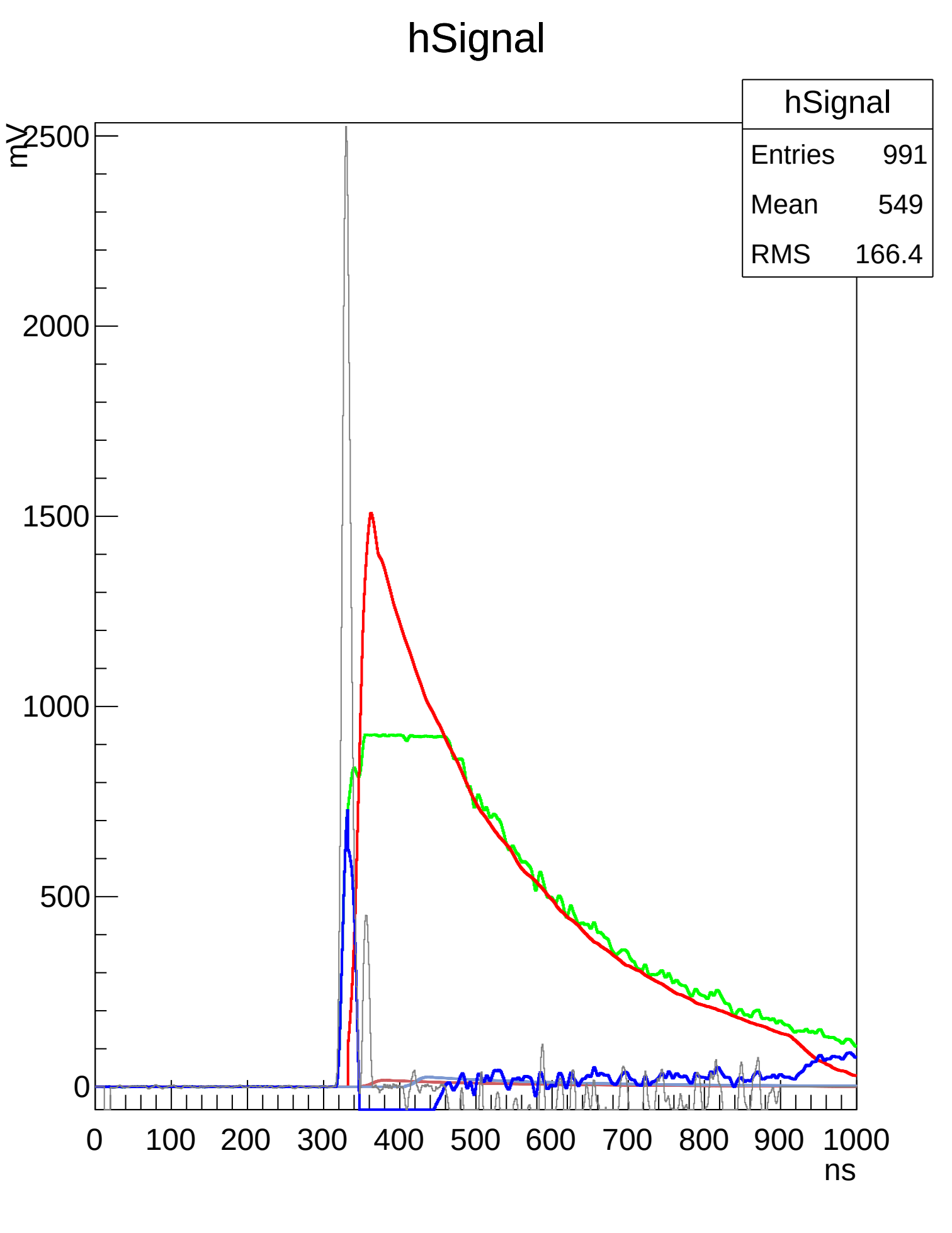

hSignal
hSignal
Entries 991
Mean 552.7
RMS 173.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

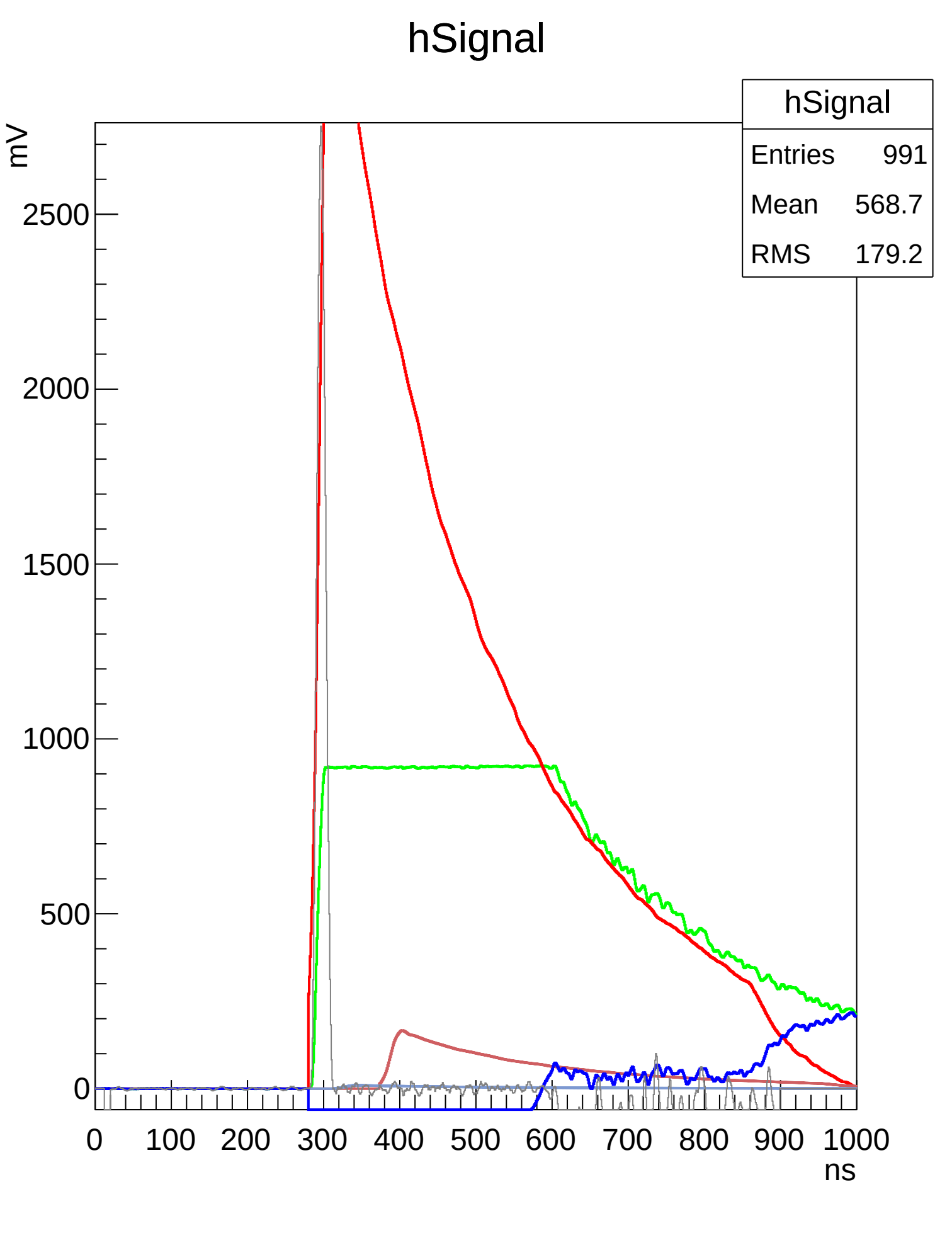

hSignal
hSignal
Entries 991
Mean 584.7
RMS 150.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

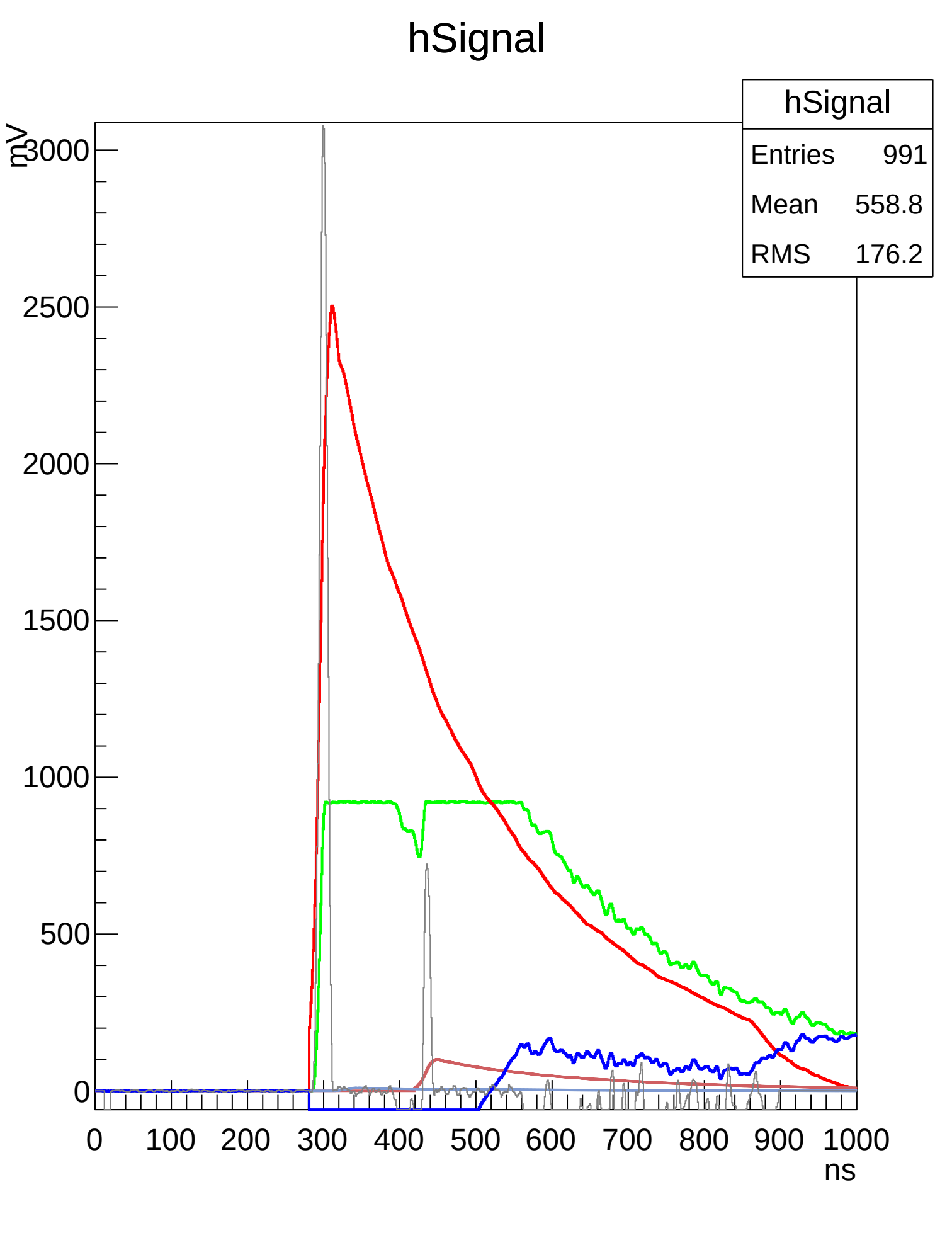

hSignal
hSignal
Entries 991
Mean 514.2
RMS 170
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

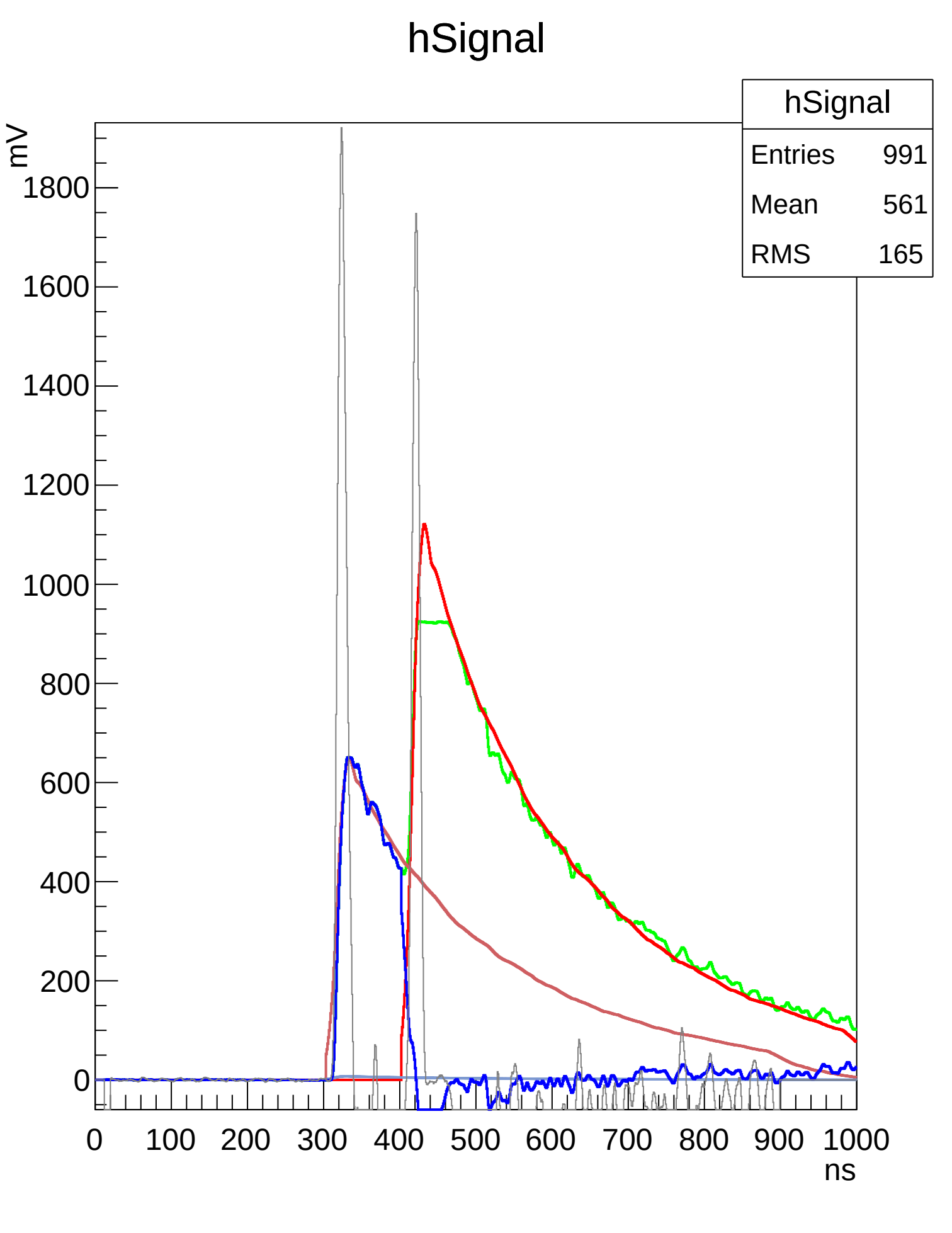

hSignal
hSignal
Entries 991
Mean 593.7
RMS 162.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

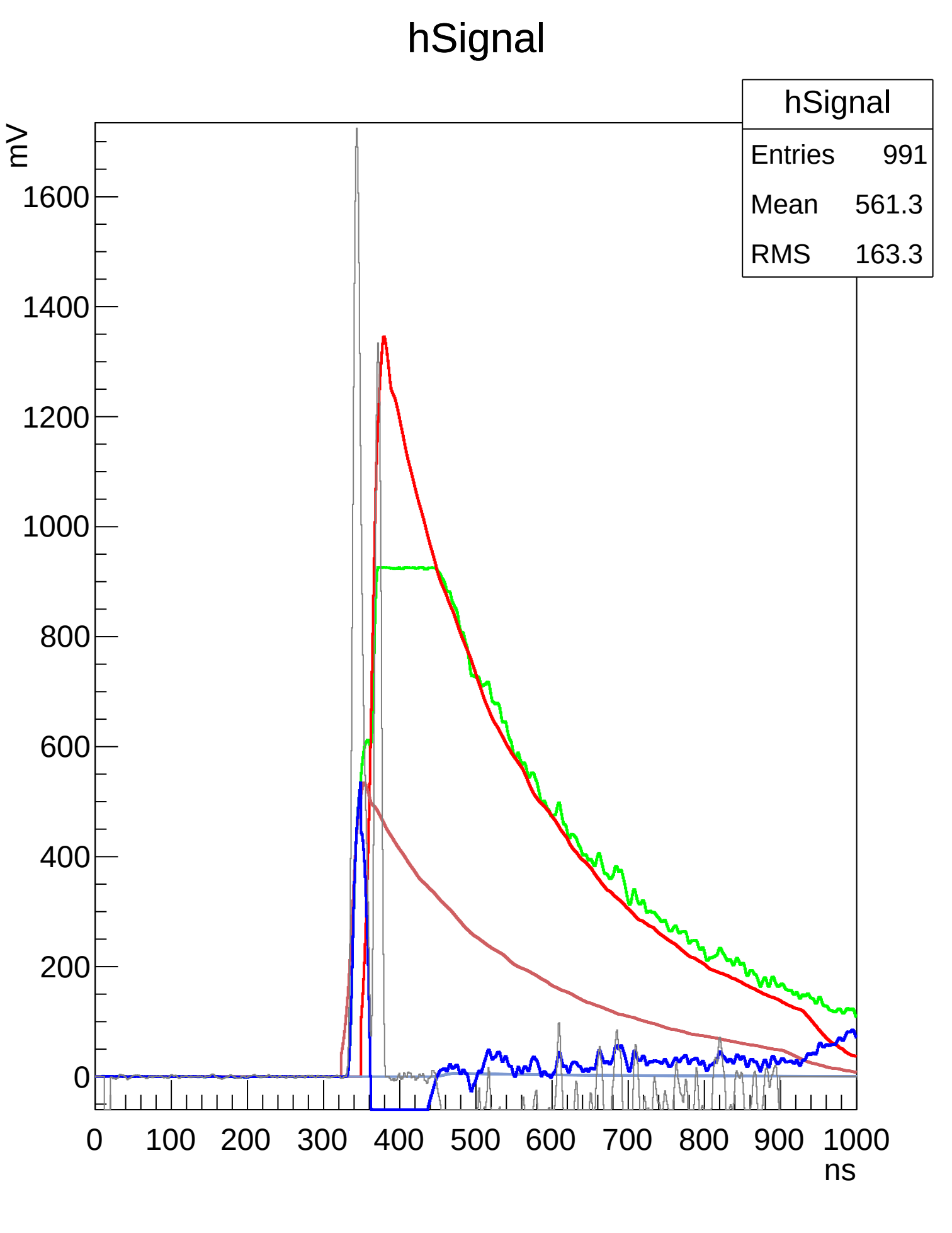

hSignal
hSignal
Entries 991
Mean 561.8
RMS 159.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

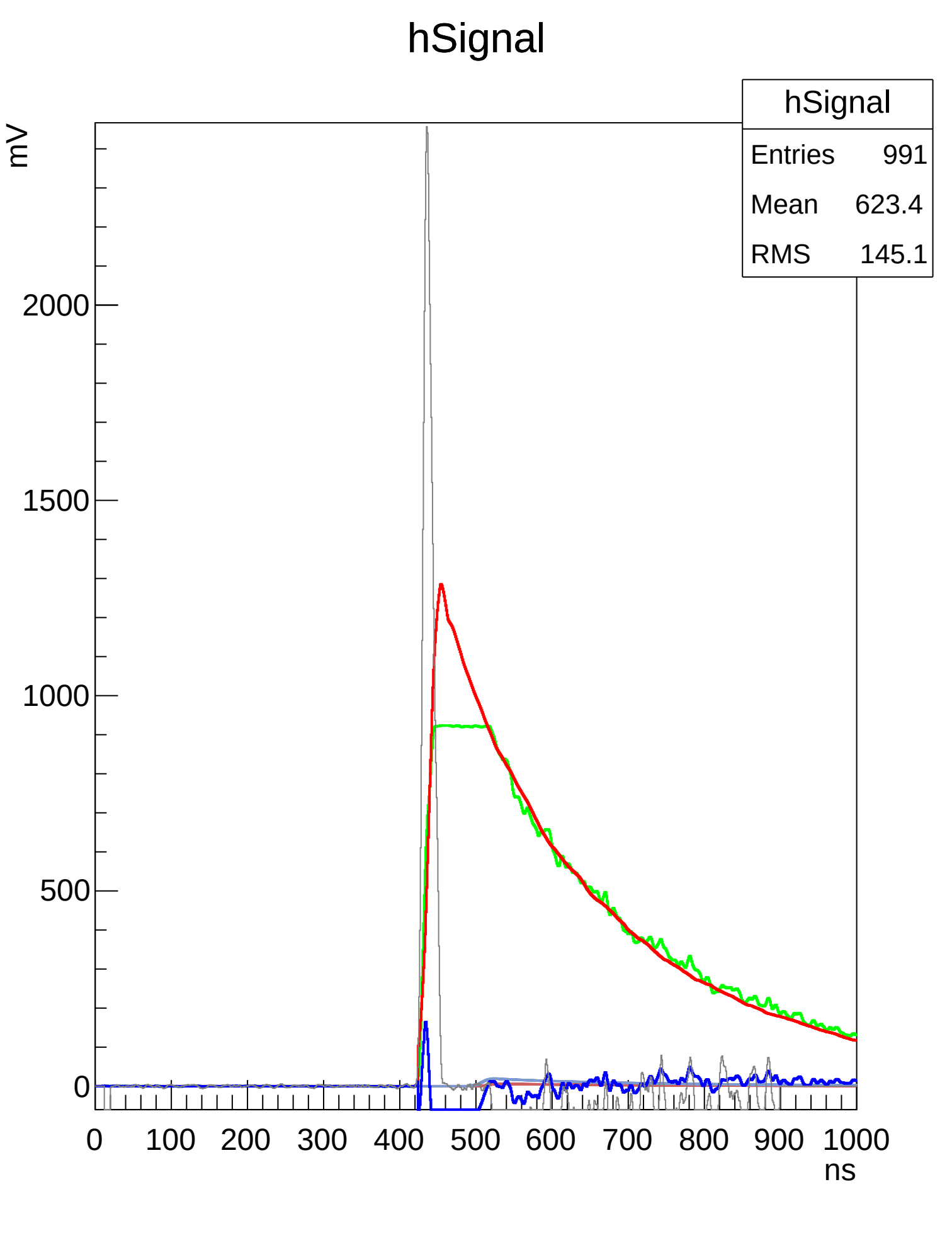

hSignal
hSignal
Entries 991
Mean 549
RMS 166.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

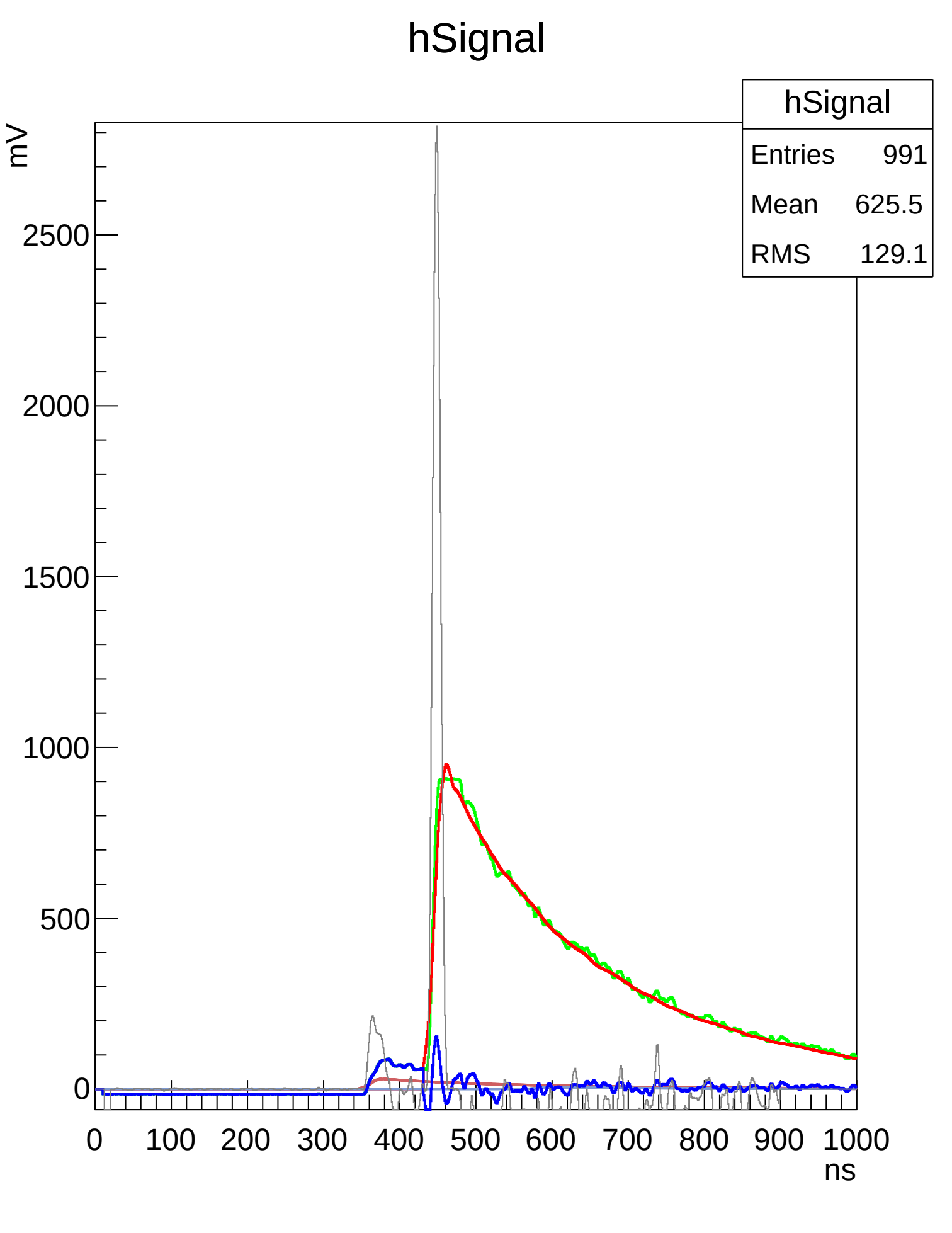

hSignal
hSignal
Entries 991
Mean 568.7
RMS 179.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

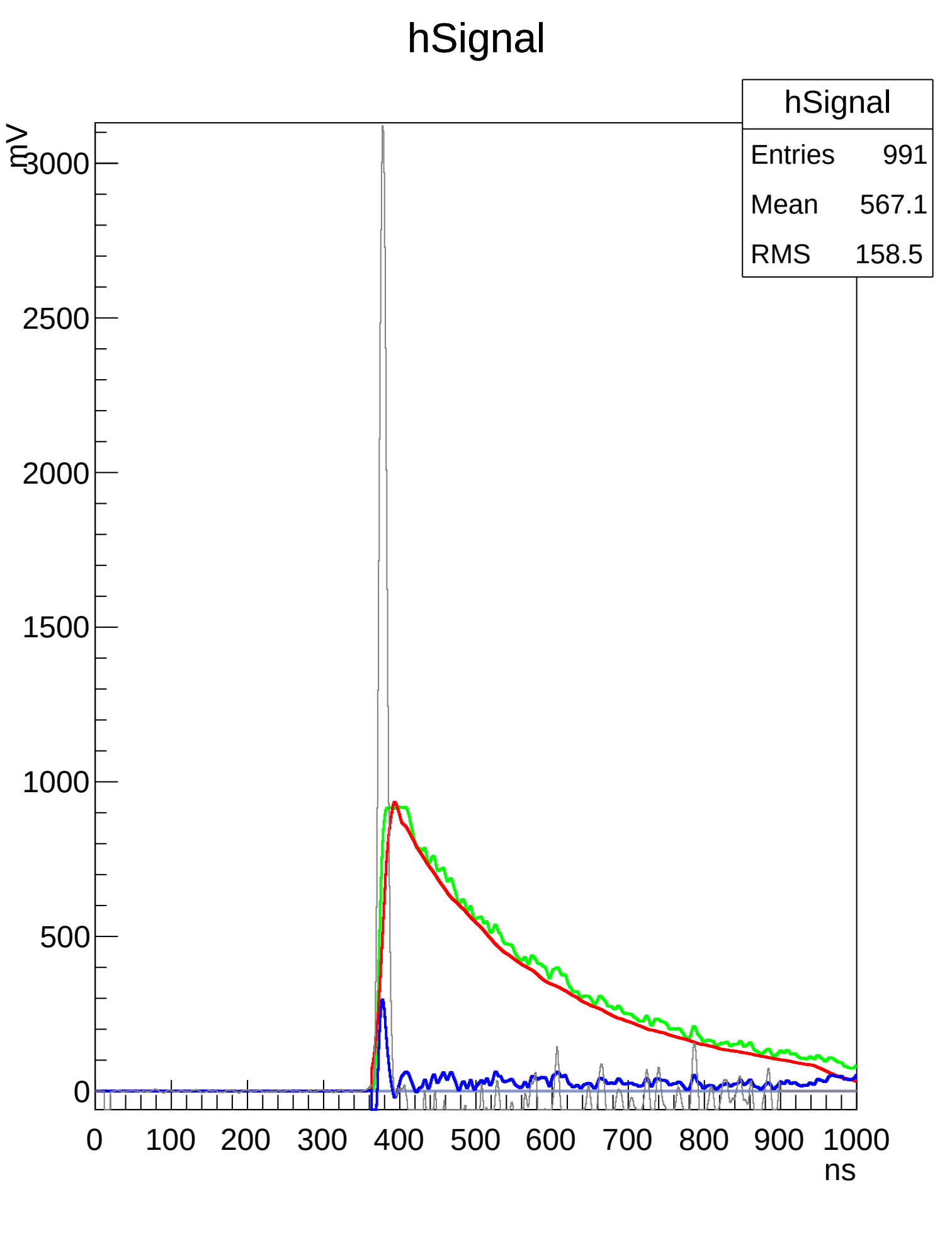

hSignal
hSignal
Entries 991
Mean 558.8
RMS 176.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

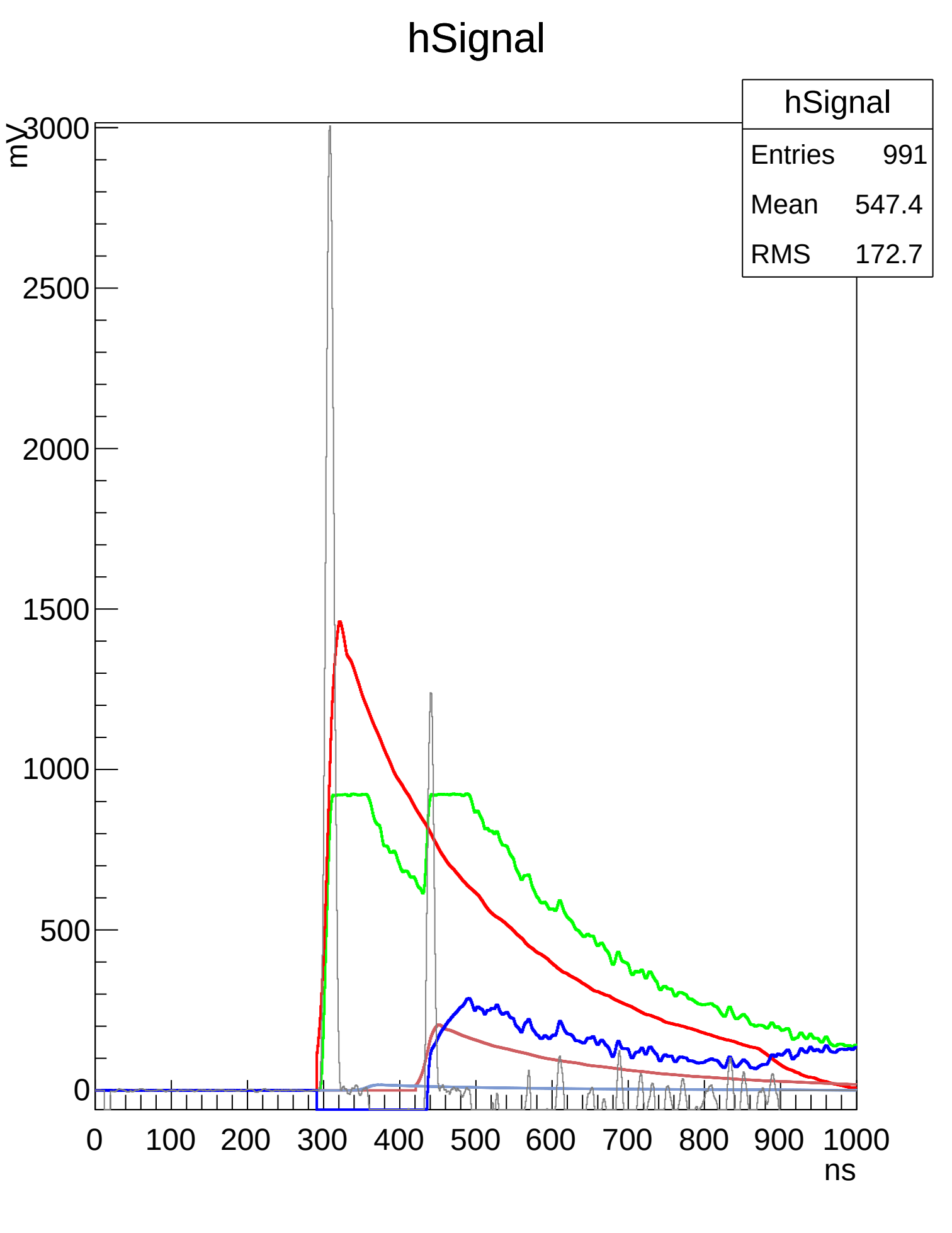

hSignal
hSignal
Entries 991
Mean 561
RMS 165
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

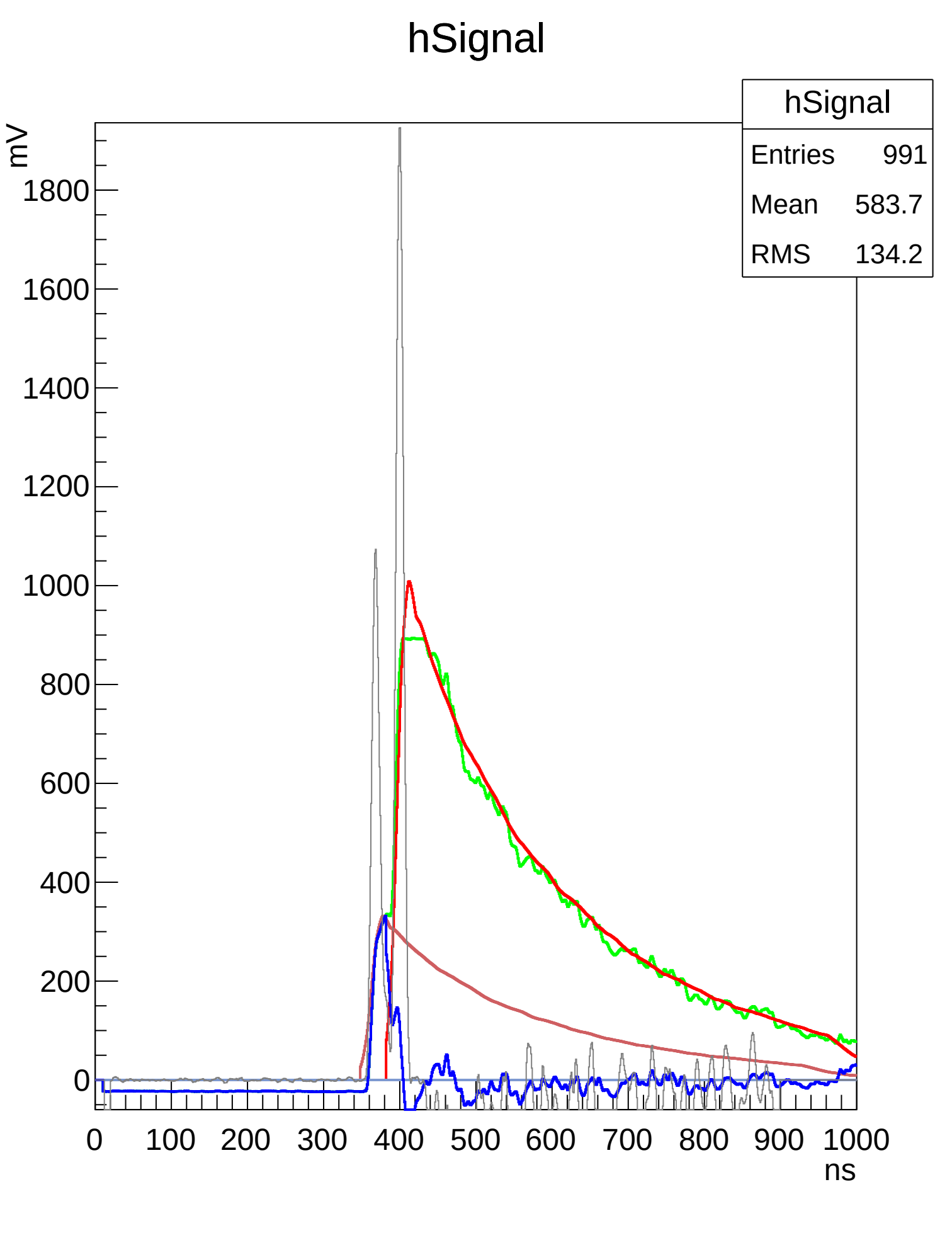

hSignal
hSignal
Entries 991
Mean 561.3
RMS 163.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

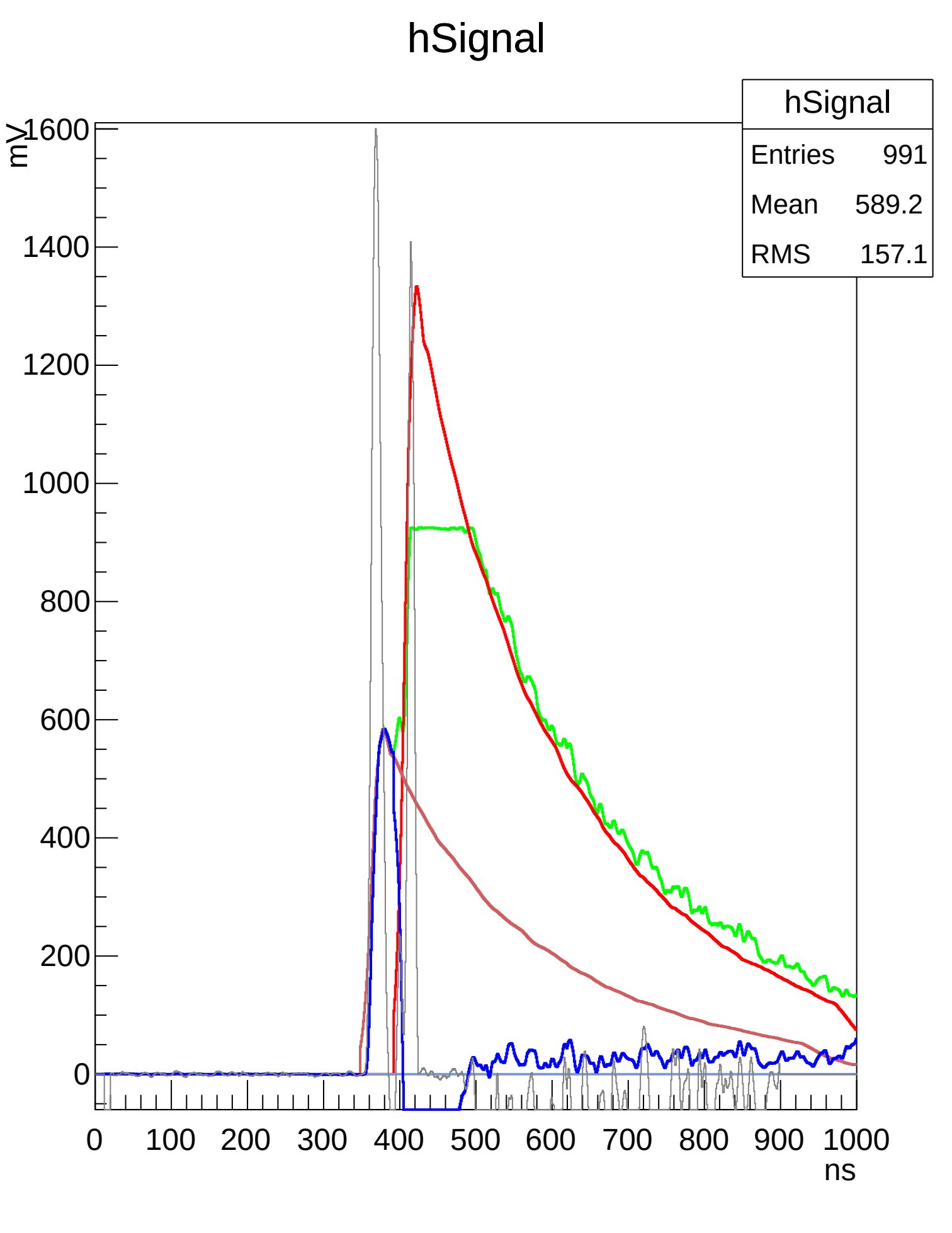

hSignal
hSignal
Entries 991
Mean 623.4
RMS 145.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

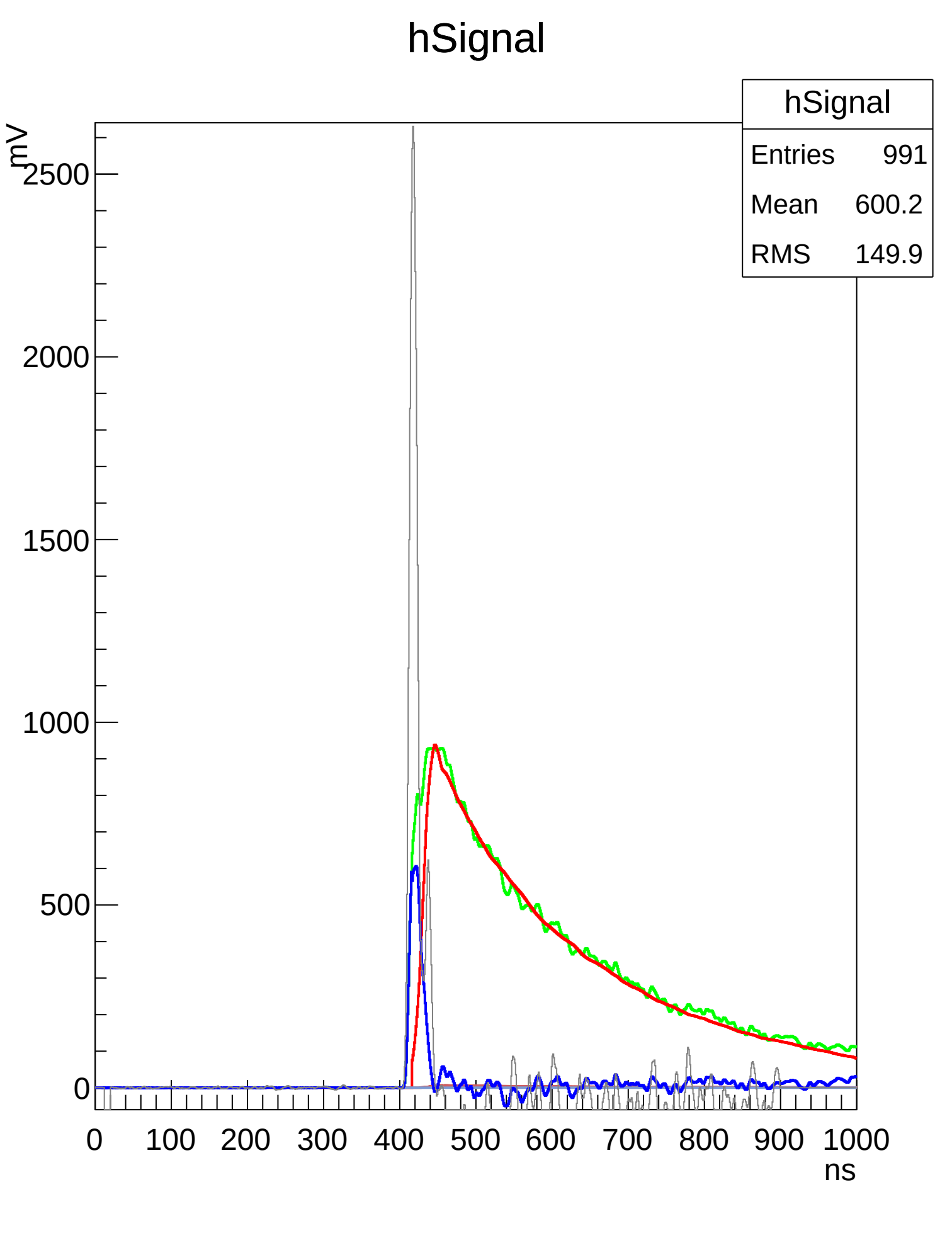

hSignal
hSignal
Entries 991
Mean 625.5
RMS 129.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

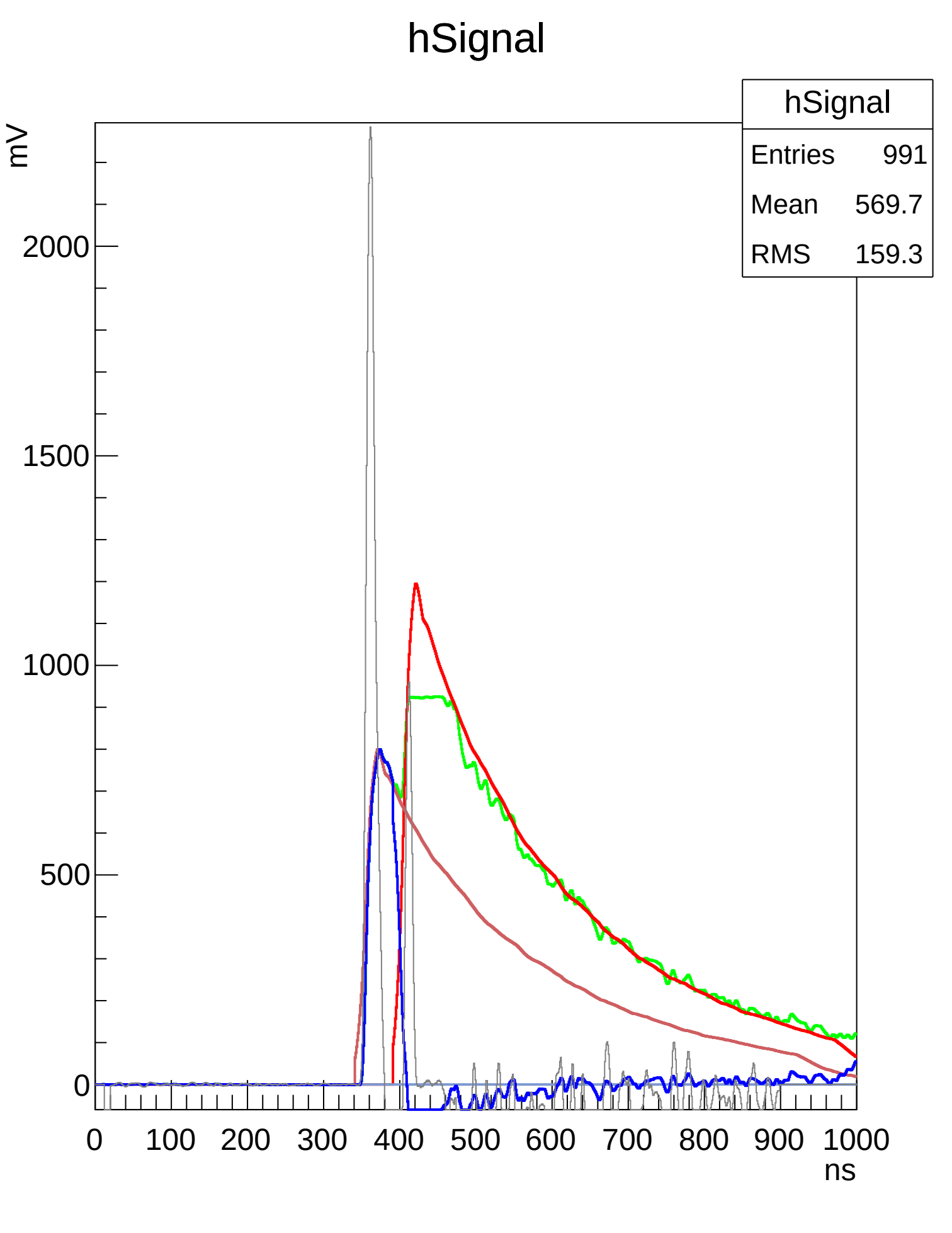

hSignal
hSignal
Entries 991
Mean 567.1
RMS 158.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

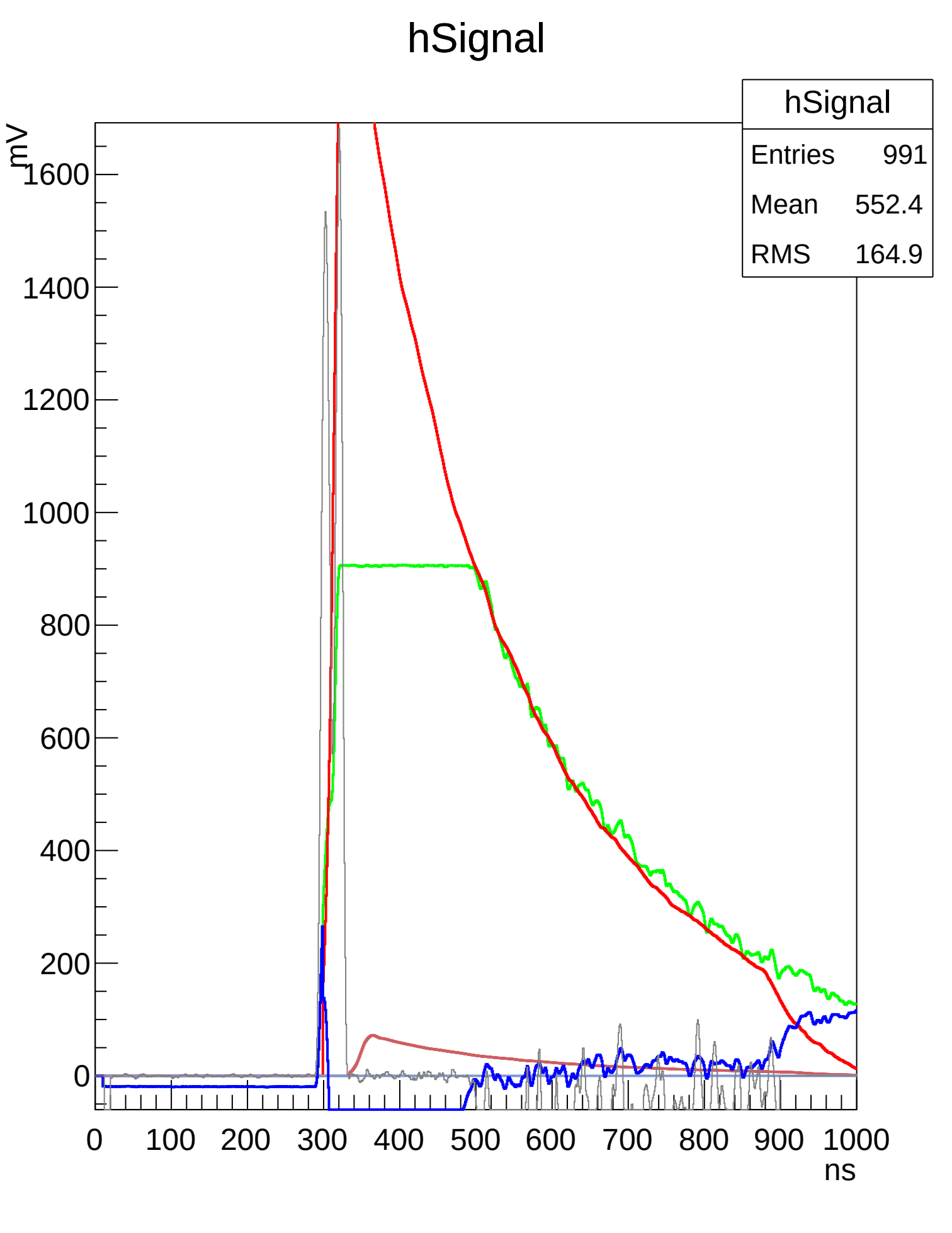

hSignal
hSignal
Entries 991
Mean 547.4
RMS 172.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

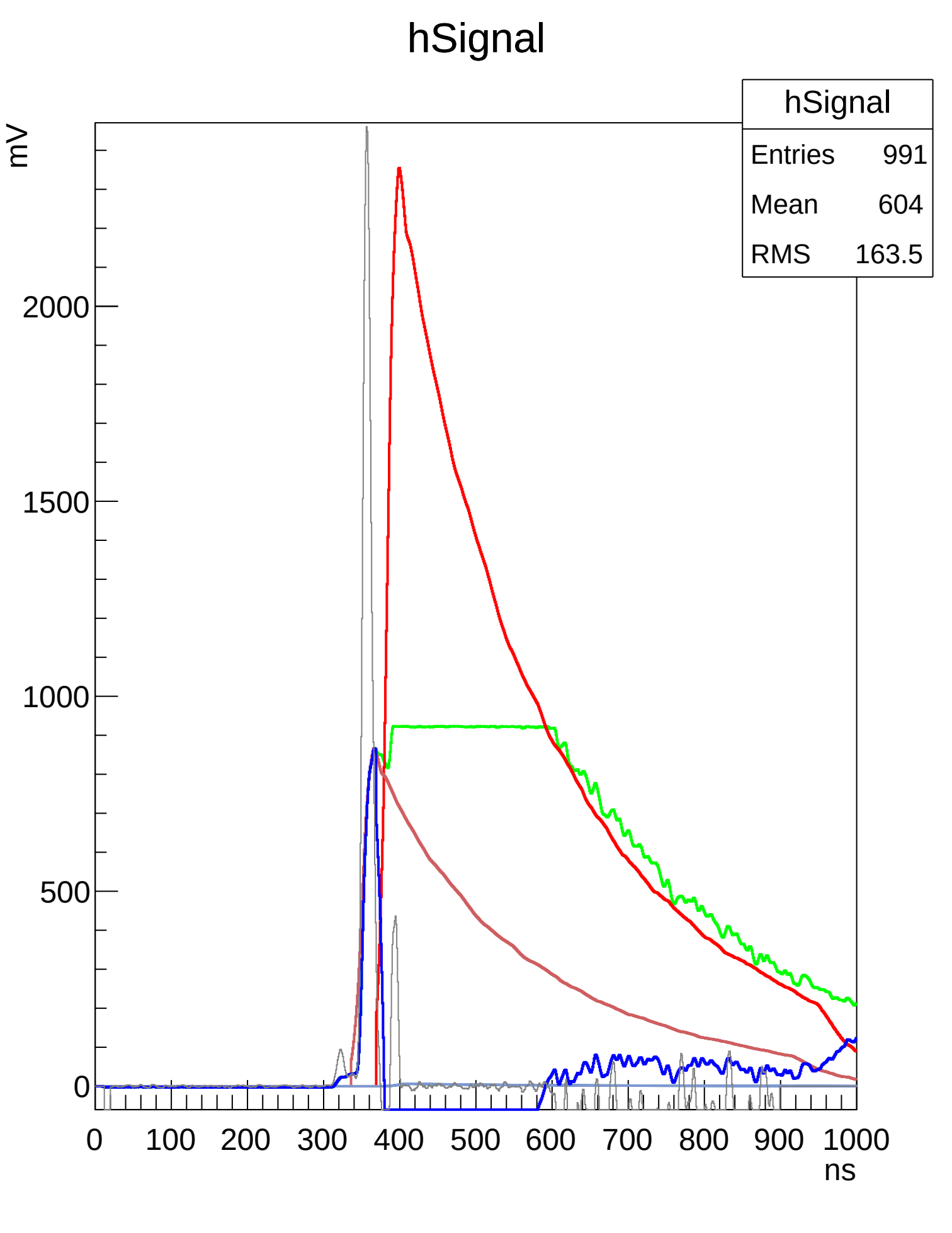

hSignal
hSignal
Entries 991
Mean 583.7
RMS 134.2
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

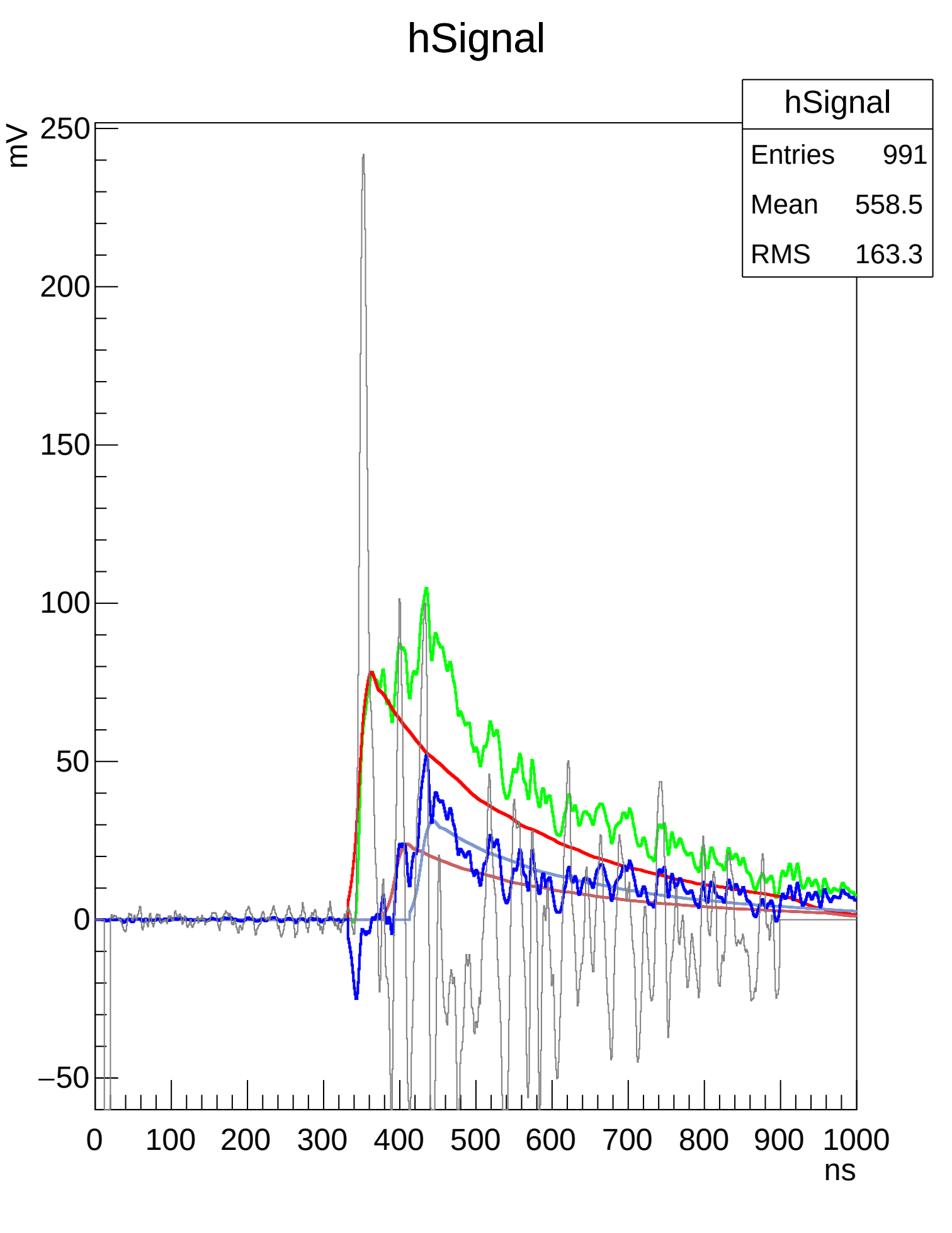

hSignal
hSignal
Entries 991
Mean 589.2
RMS 157.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

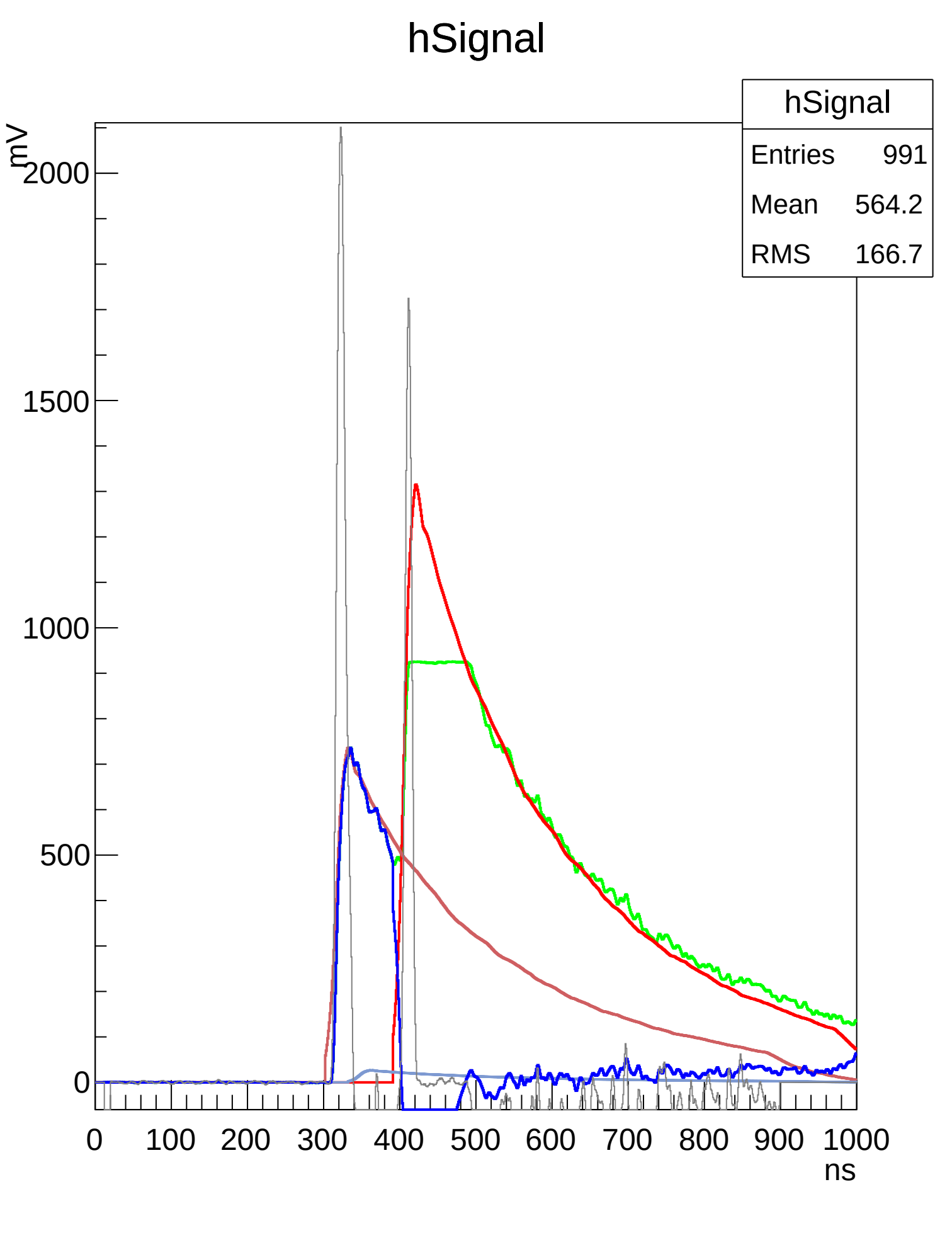

hSignal
hSignal
Entries 991
Mean 600.2
RMS 149.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

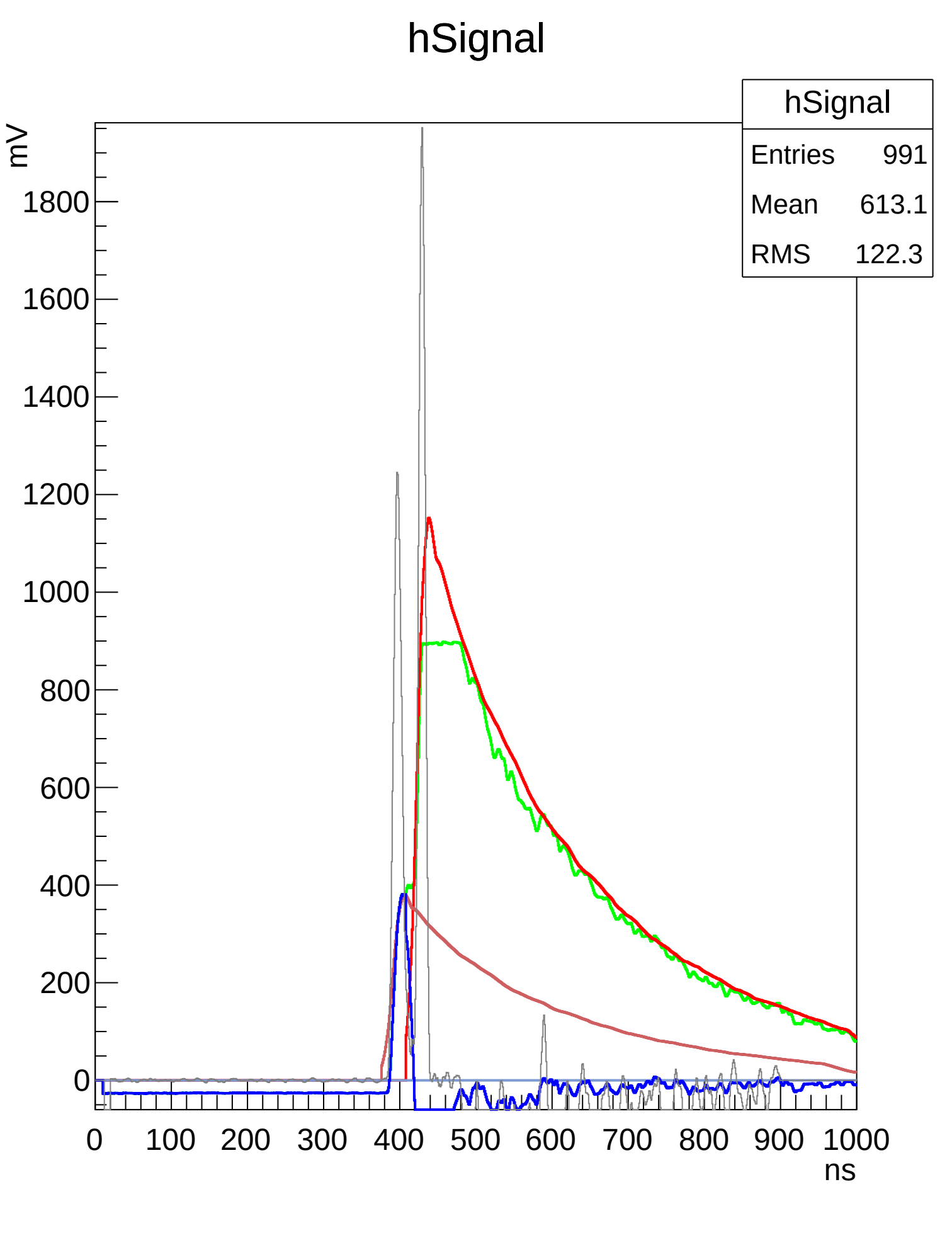

hSignal
hSignal
Entries 991
Mean 569.7
RMS 159.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

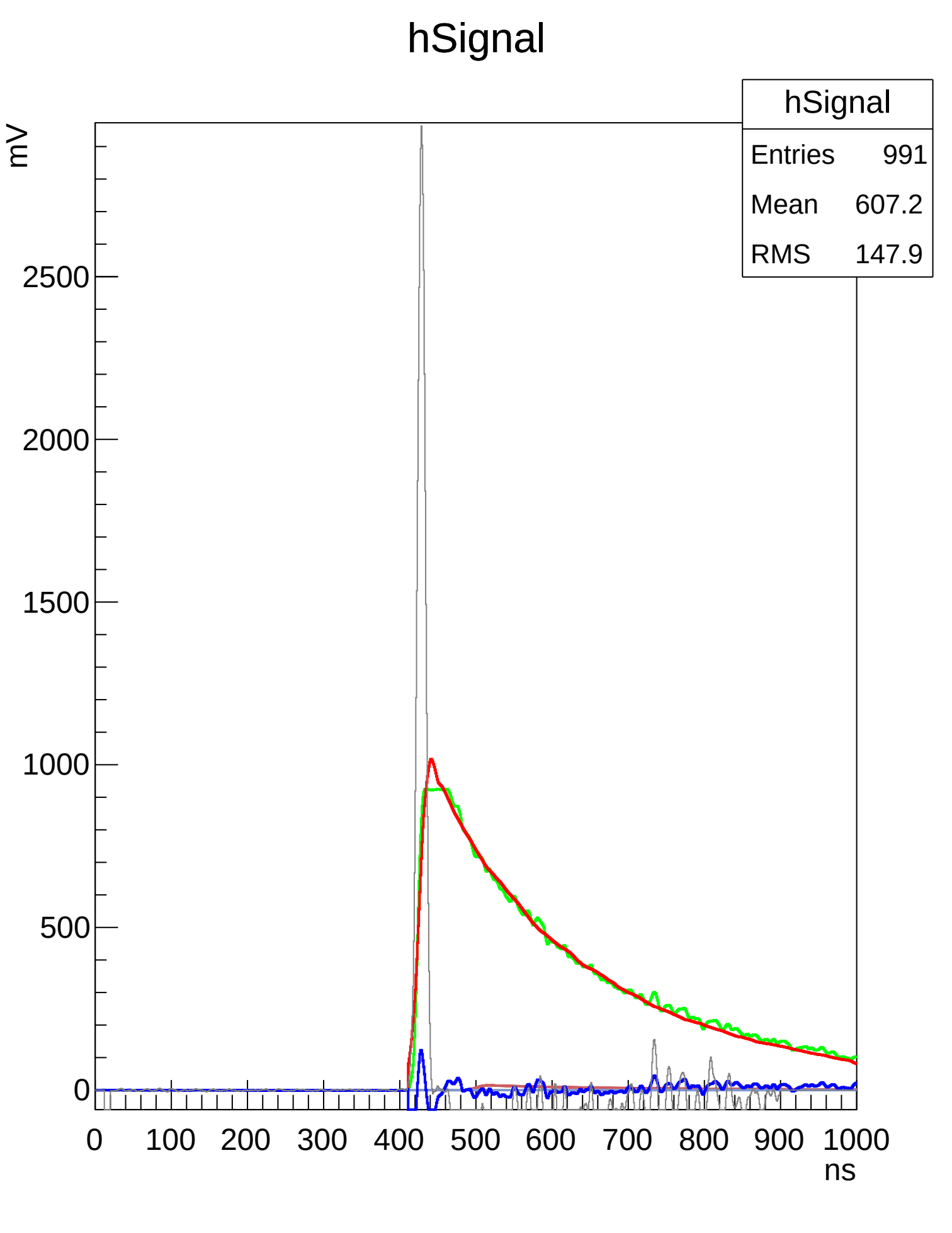

hSignal
hSignal
Entries 991
Mean 552.4
RMS 164.9
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

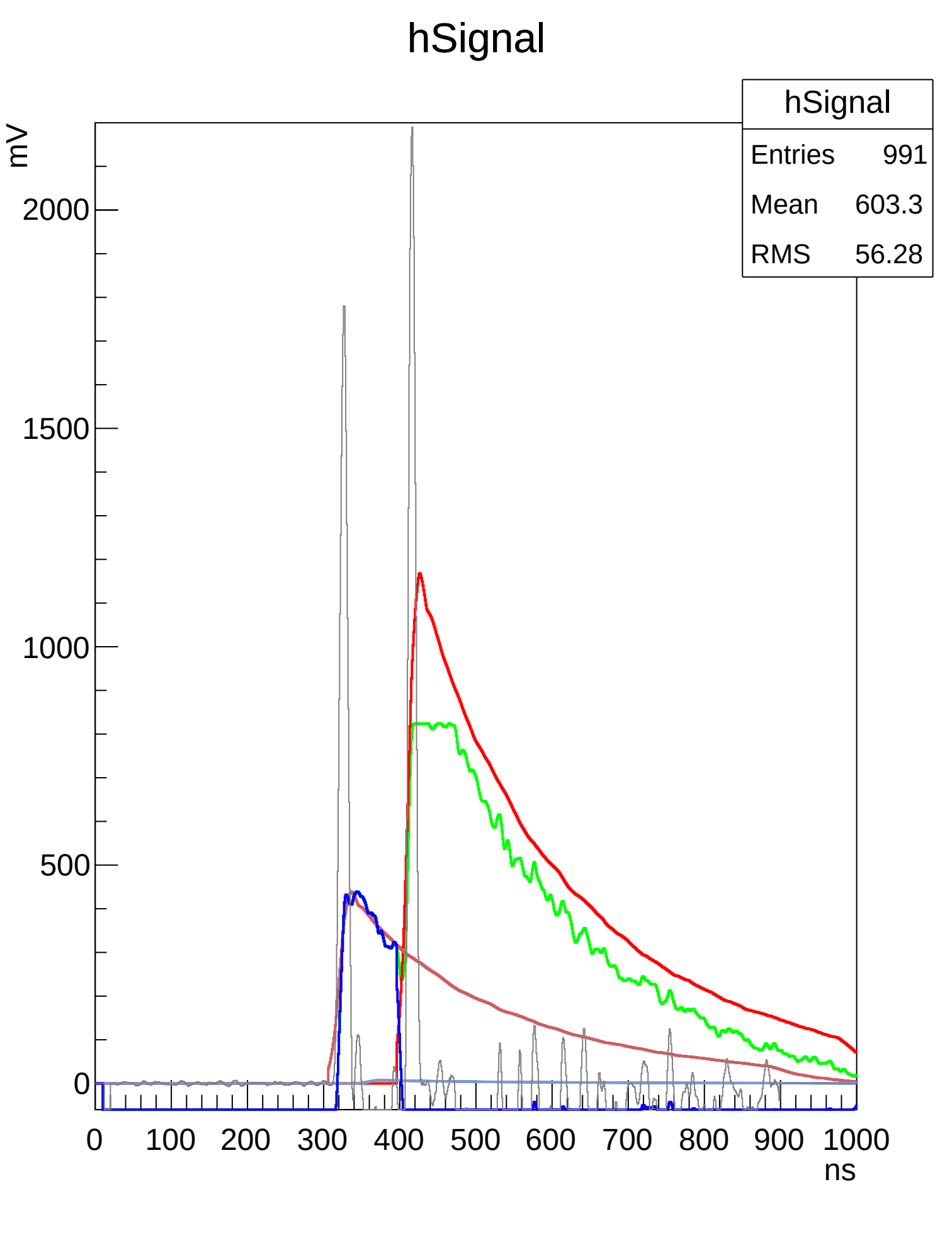

hSignal
hSignal
Entries 991
Mean 604
RMS 163.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

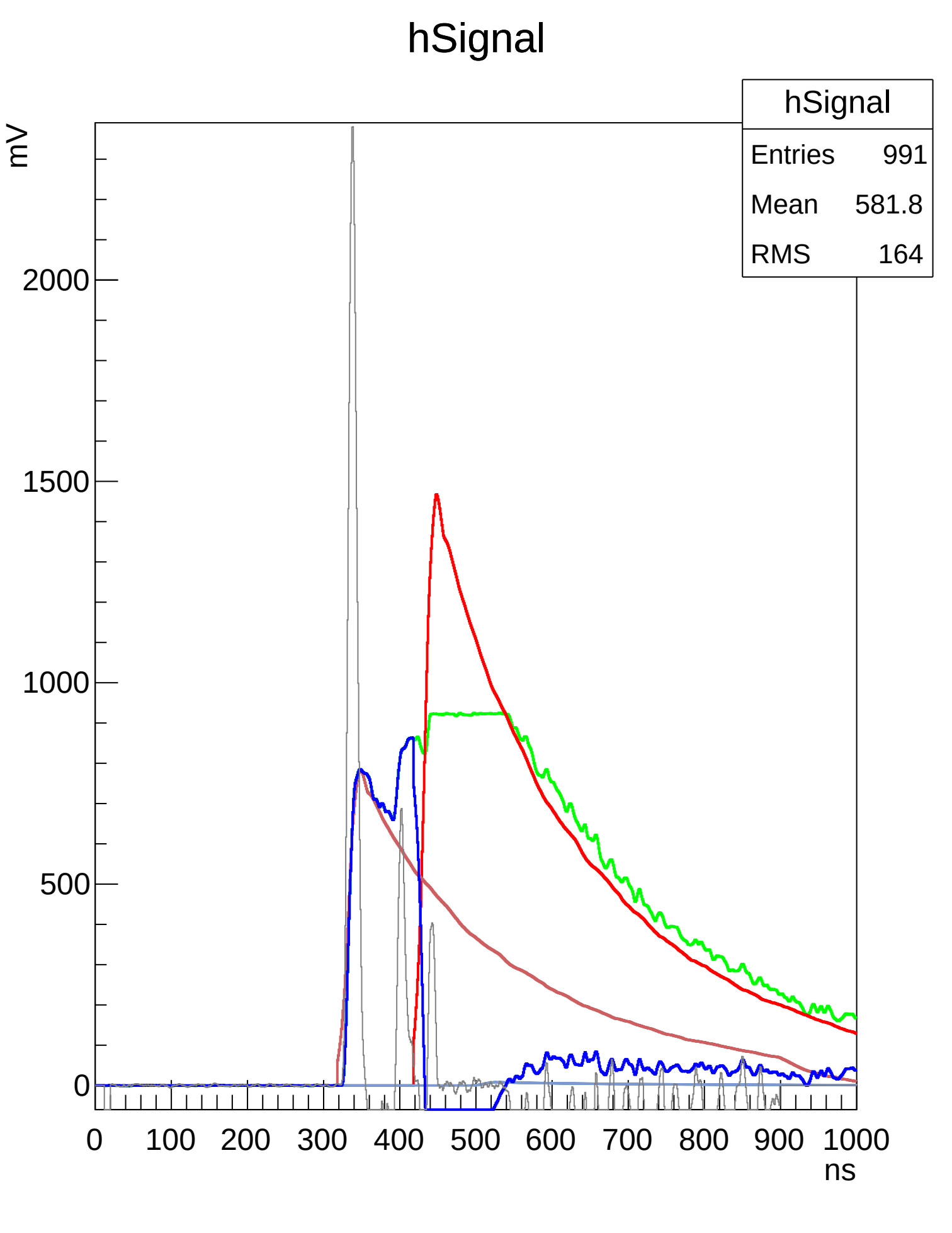

hSignal
hSignal
Entries 991
Mean 558.5
RMS 163.3
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

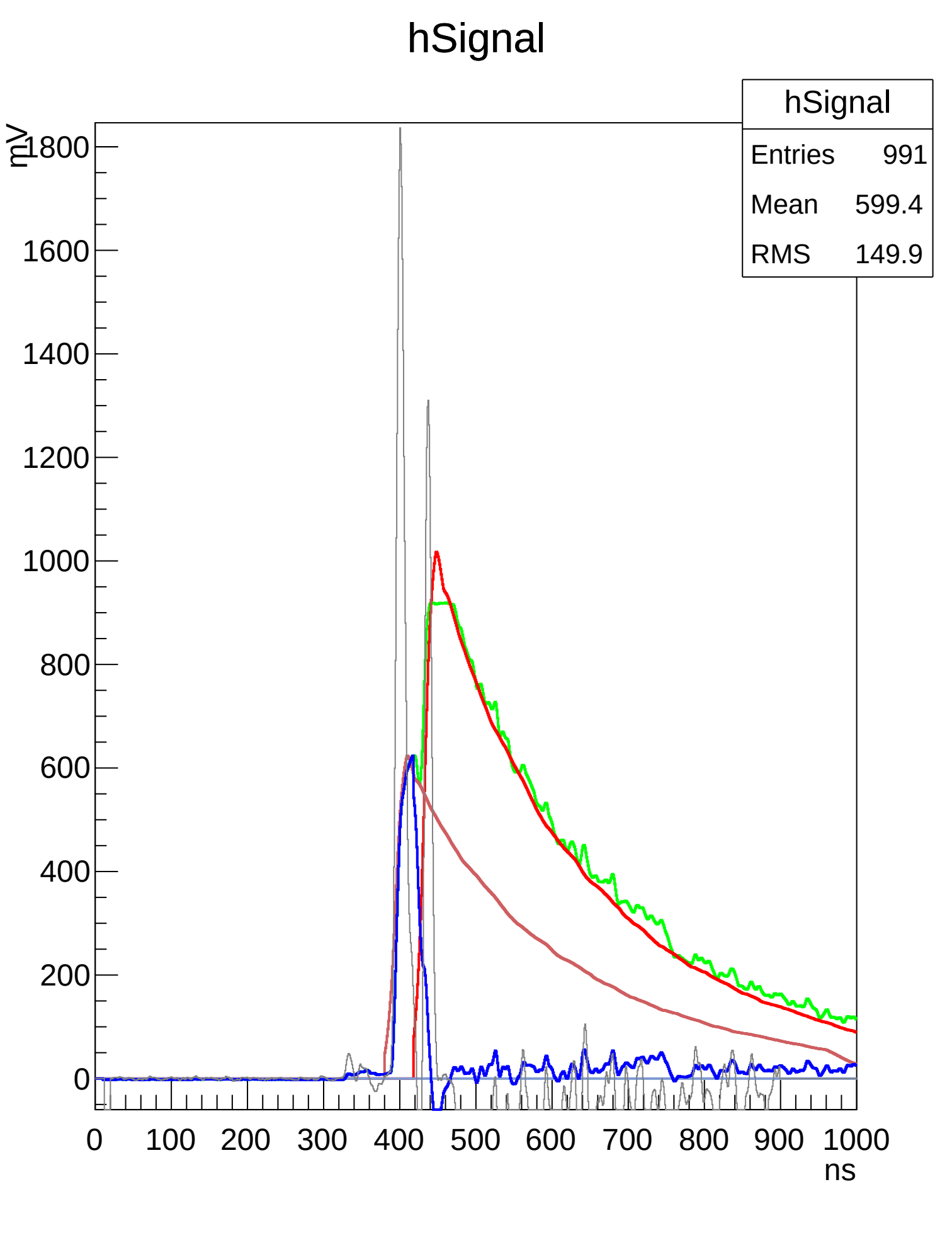

hSignal
hSignal
Entries 991
Mean 564.2
RMS 166.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

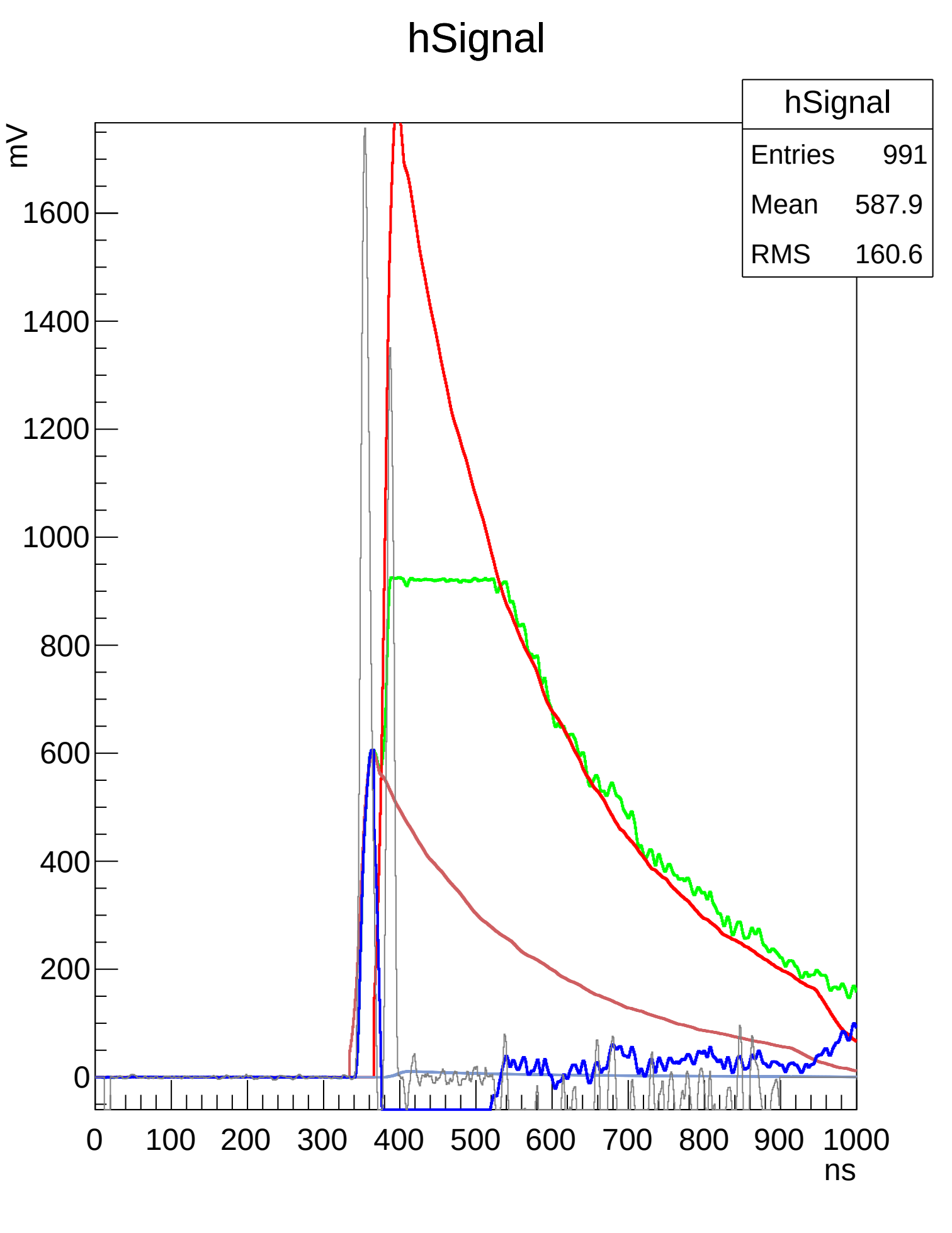

hSignal
hSignal
Entries 991
Mean 613.1
RMS 122.3
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

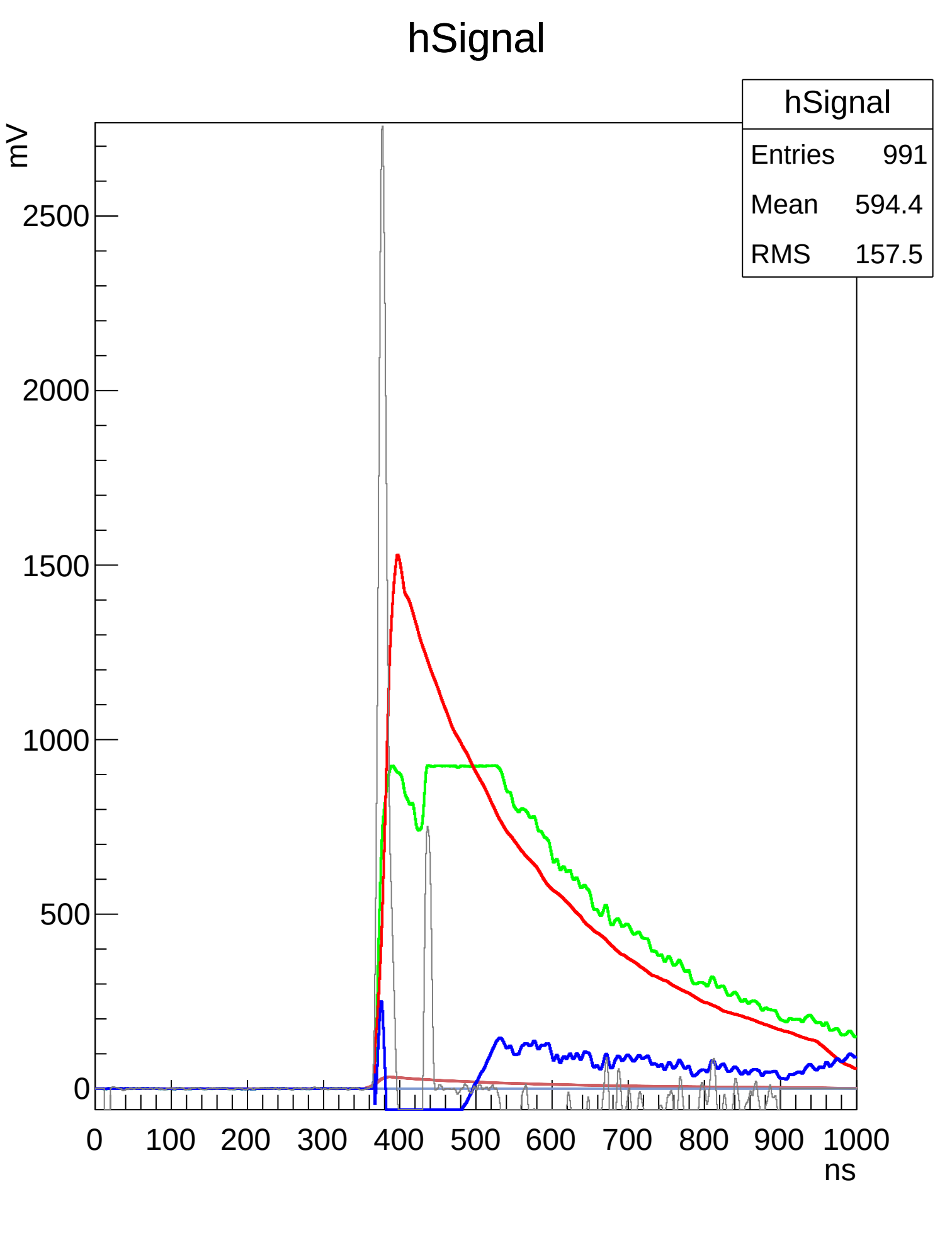

hSignal
hSignal
Entries 991
Mean 607.2
RMS 147.9
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

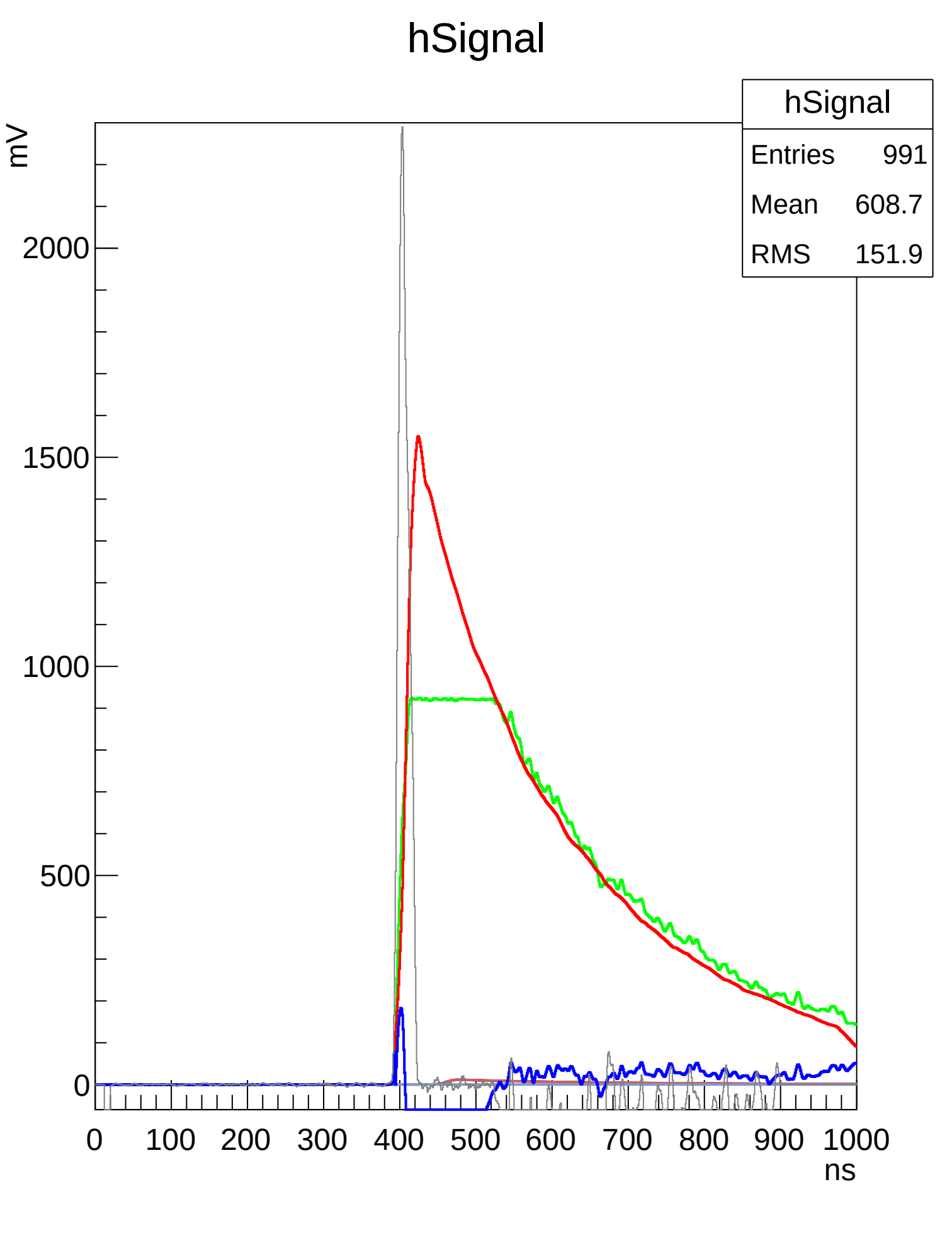

hSignal
hSignal
Entries 991
Mean 603.3
RMS 56.28
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

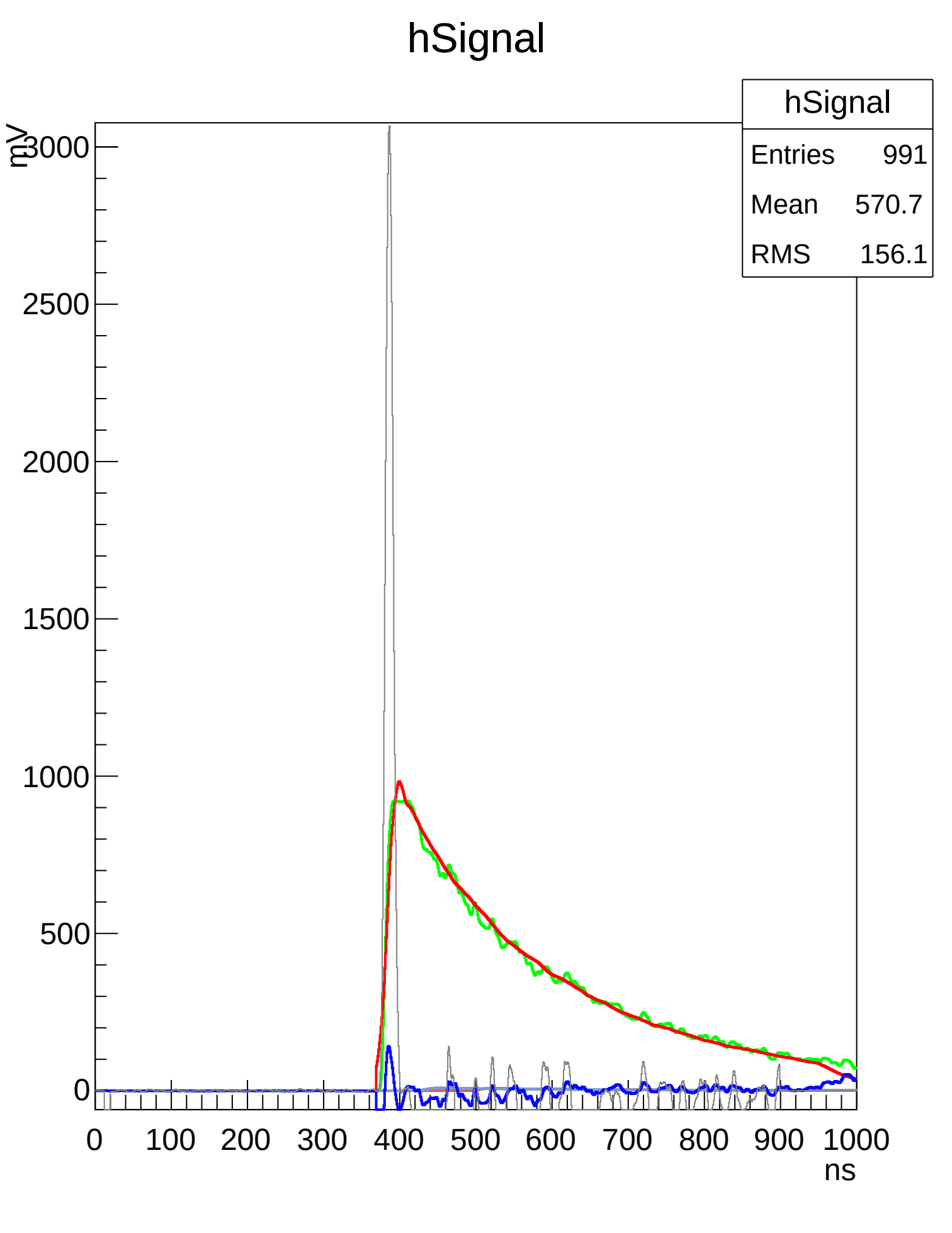

hSignal
hSignal
Entries 991
Mean 581.8
RMS 164
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

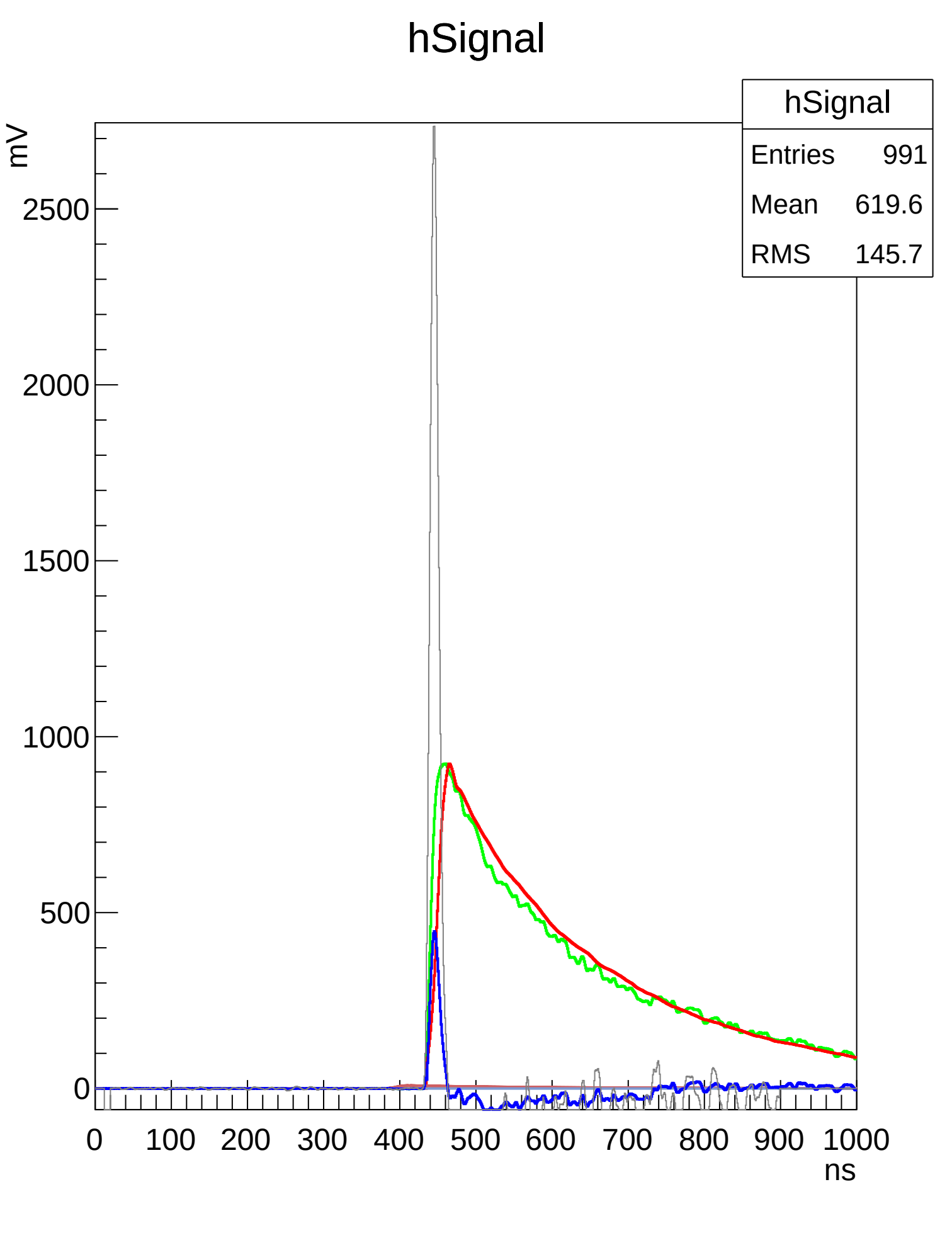

hSignal
hSignal
Entries 991
Mean 599.4
RMS 149.9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

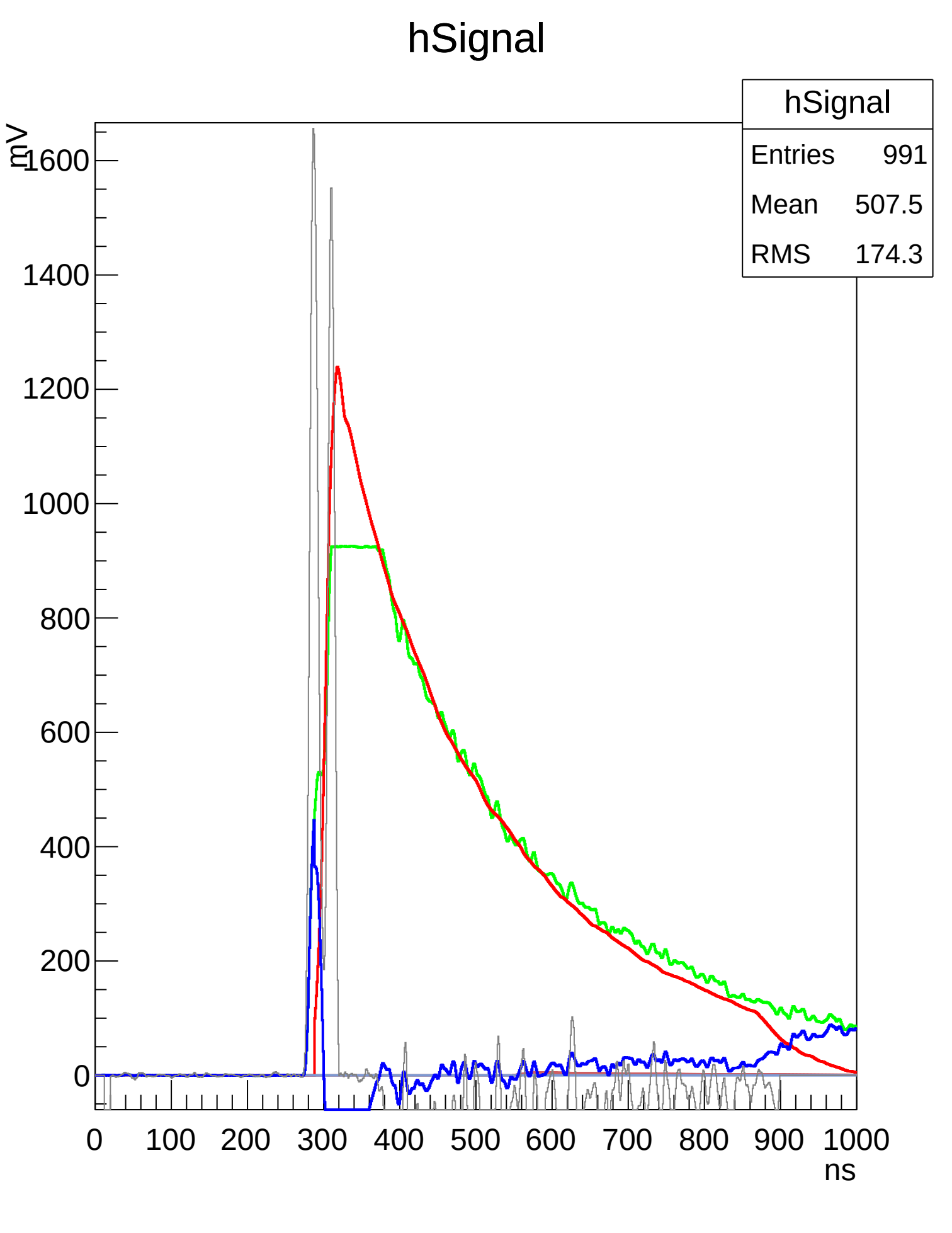

hSignal
hSignal
Entries 991
Mean 587.9
RMS 160.6
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

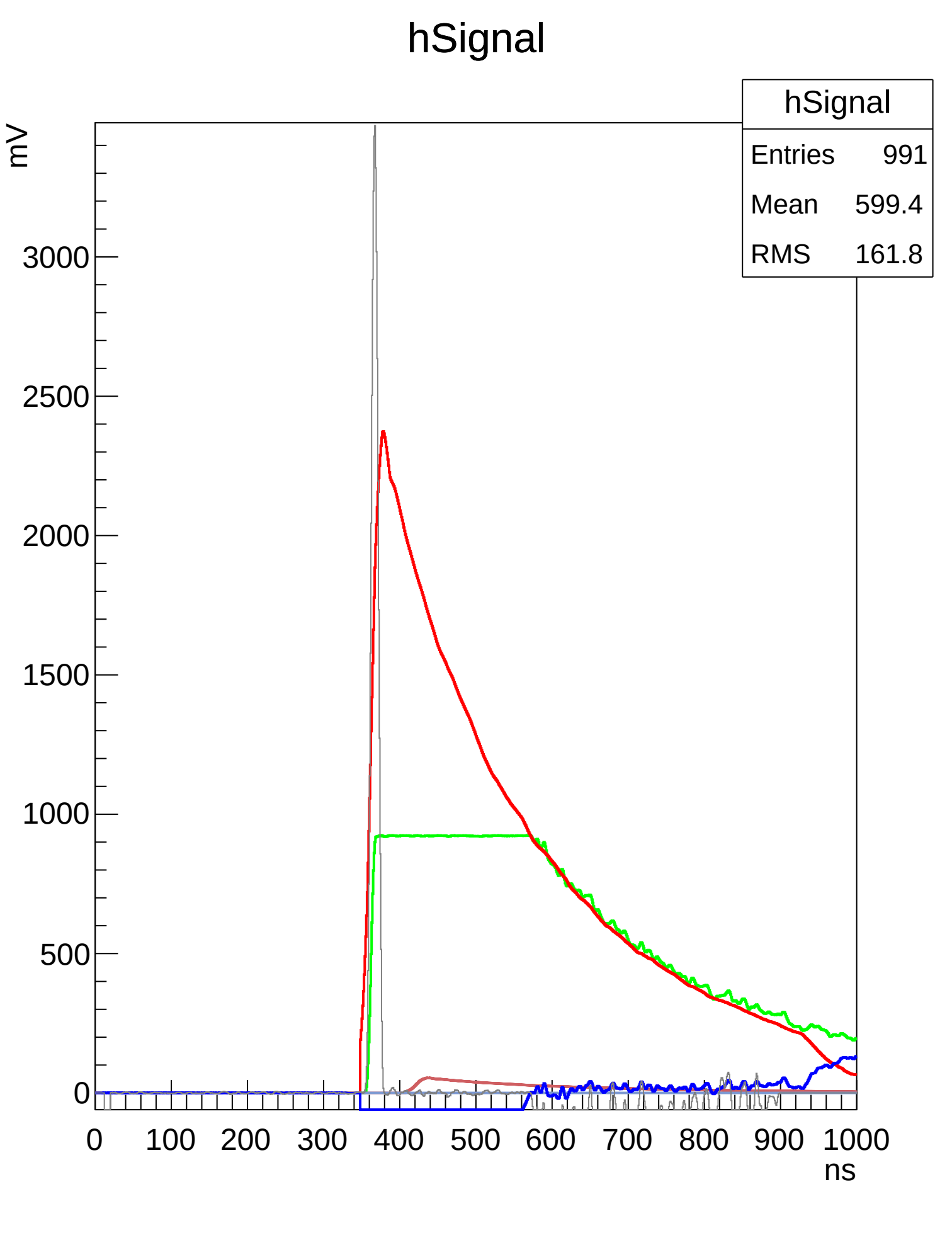

hSignal
hSignal
Entries 991
Mean 594.4
RMS 157.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

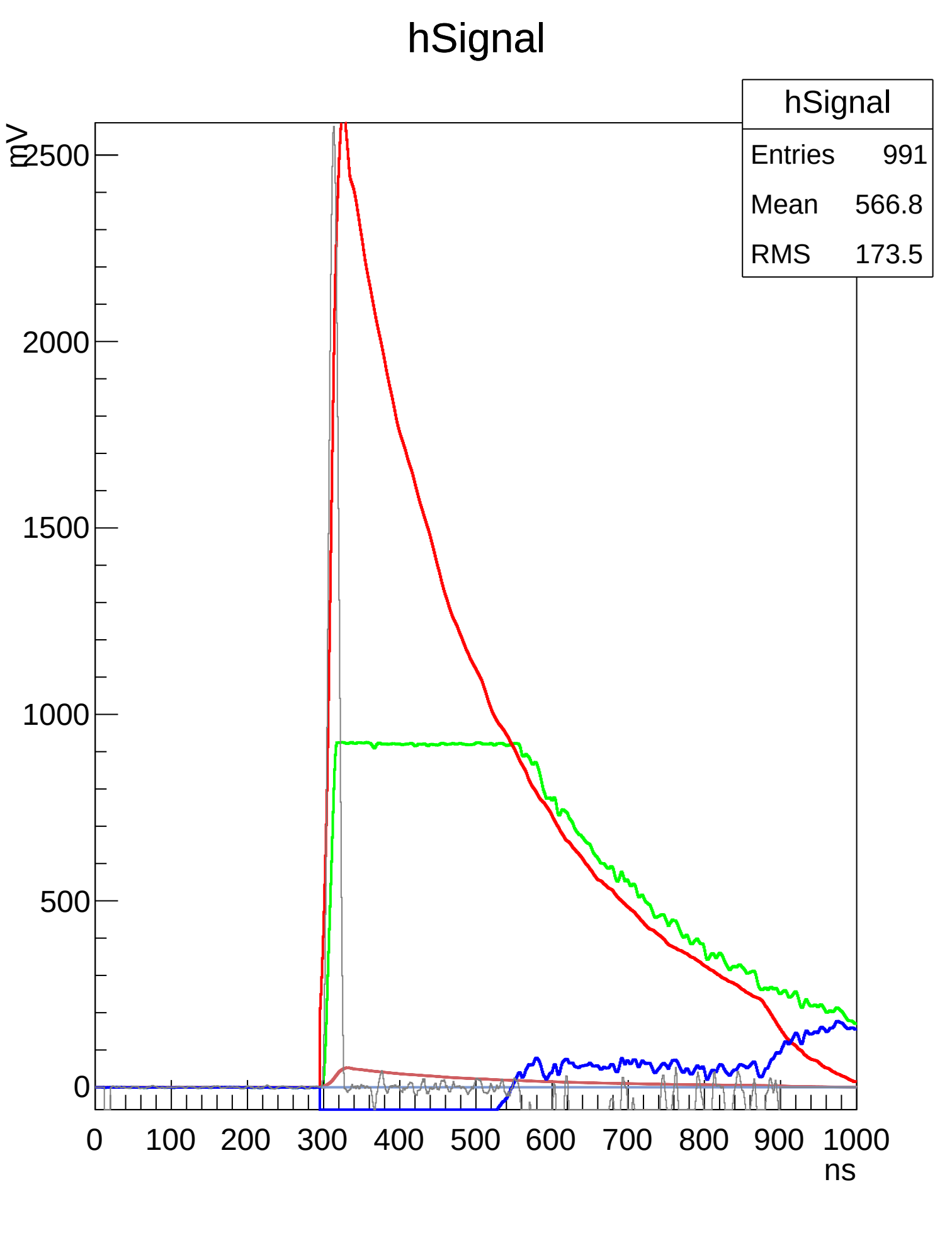

hSignal
hSignal
Entries 991
Mean 608.7
RMS 151.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

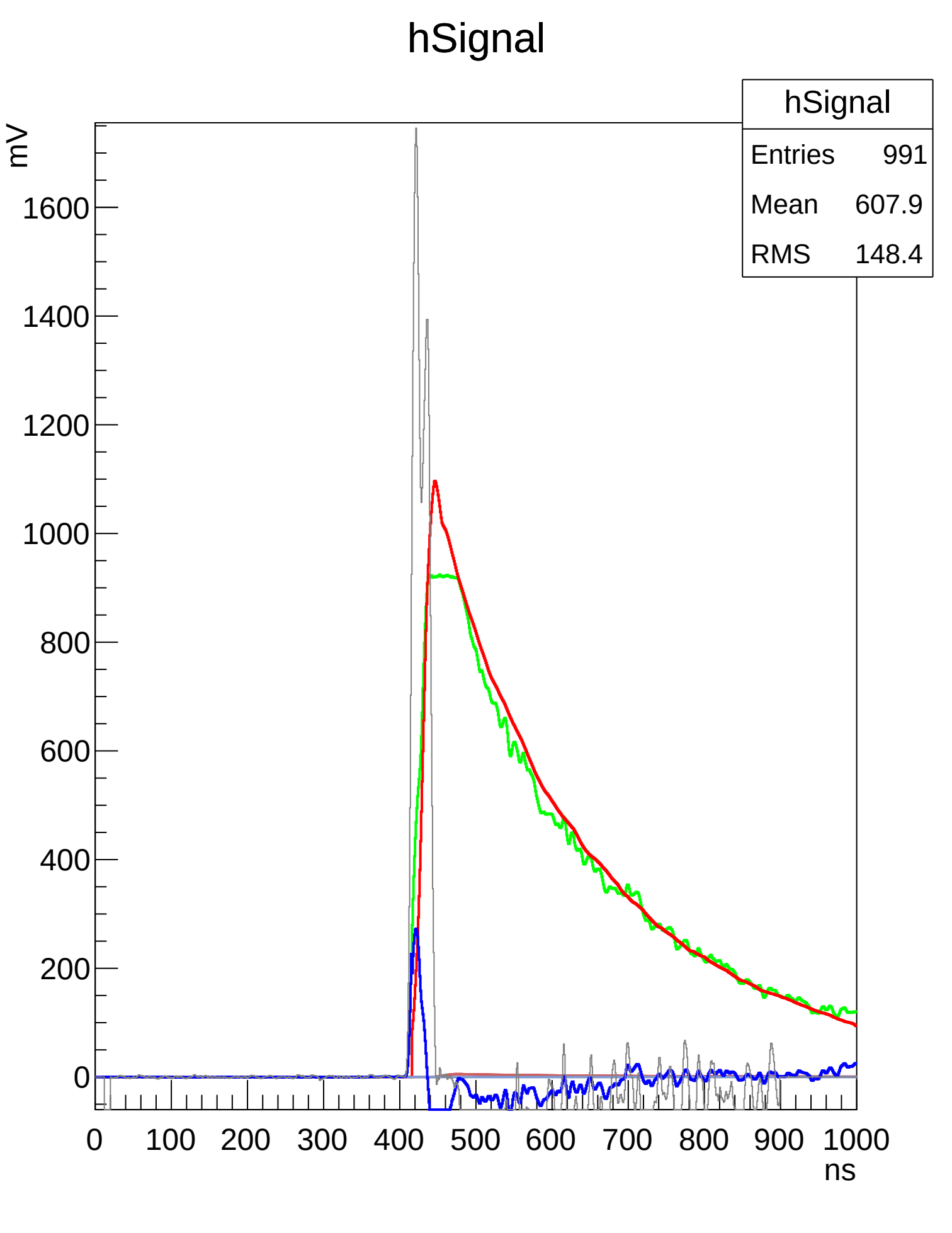

hSignal
hSignal
Entries 991
Mean 570.7
RMS 156.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

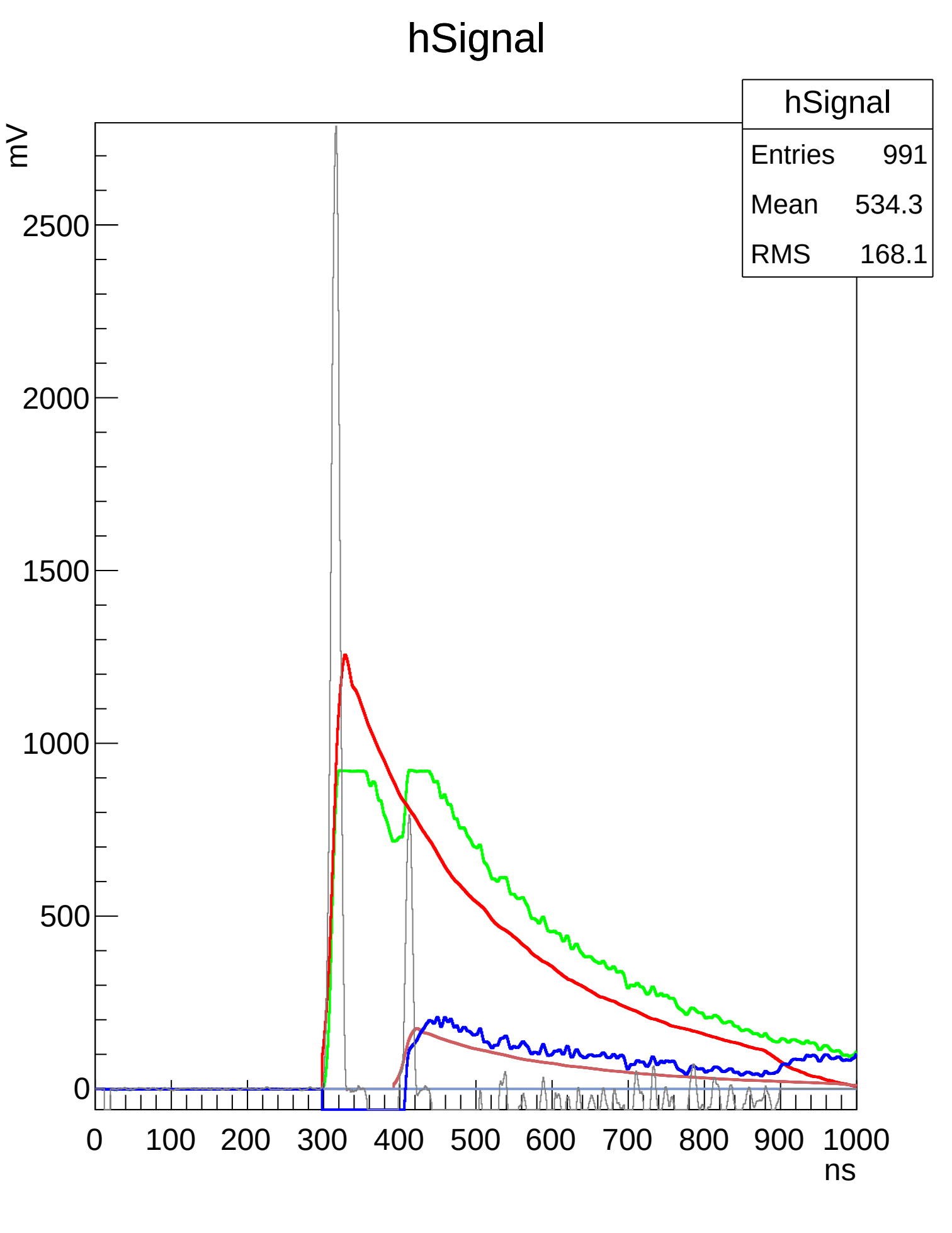

hSignal
hSignal
Entries 991
Mean 619.6
RMS 145.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

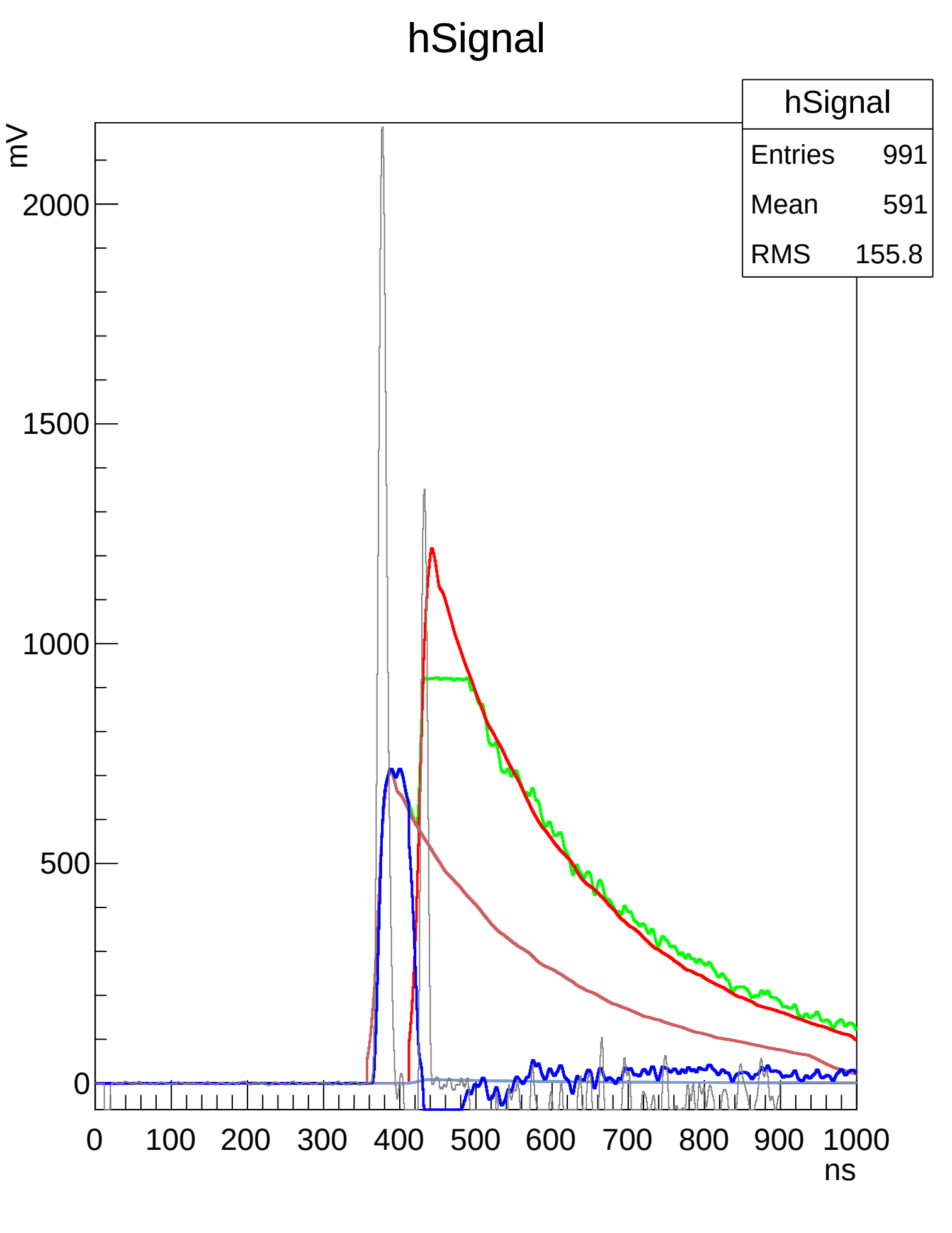

hSignal
hSignal
Entries 991
Mean 507.5
RMS 174.3
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

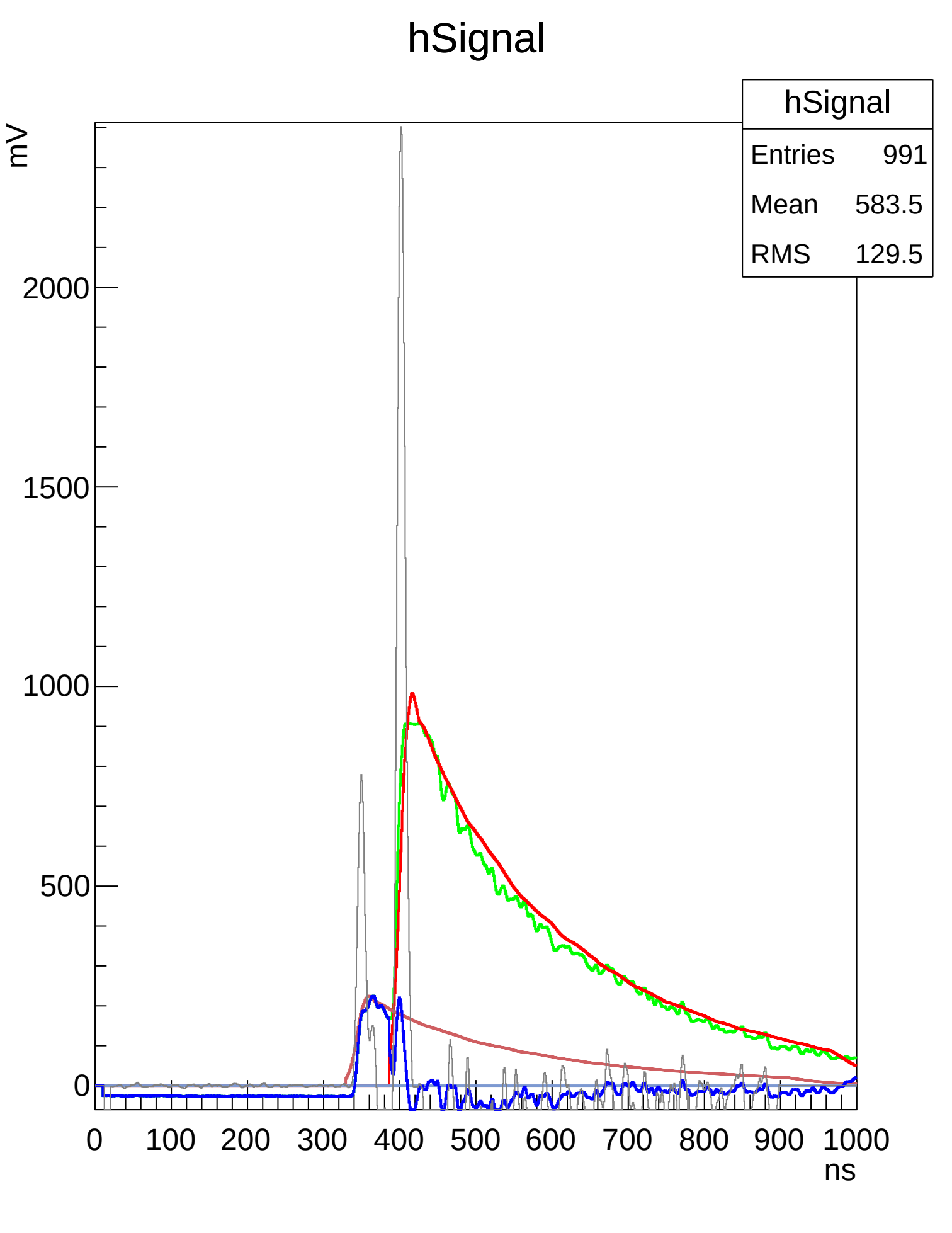

hSignal
hSignal
Entries 991
Mean 599.4
RMS 161.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

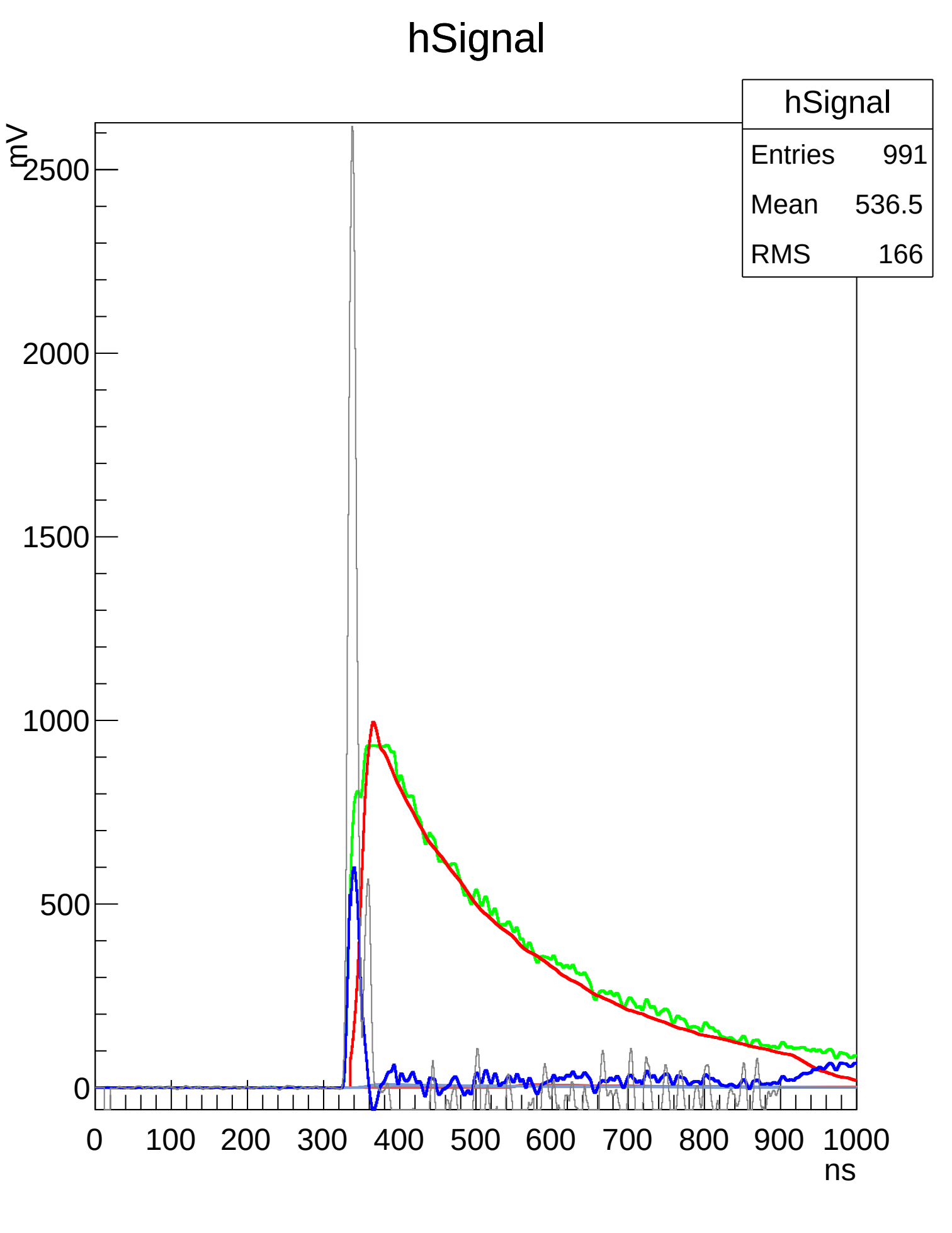

hSignal
hSignal
Entries 991
Mean 566.8
RMS 173.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

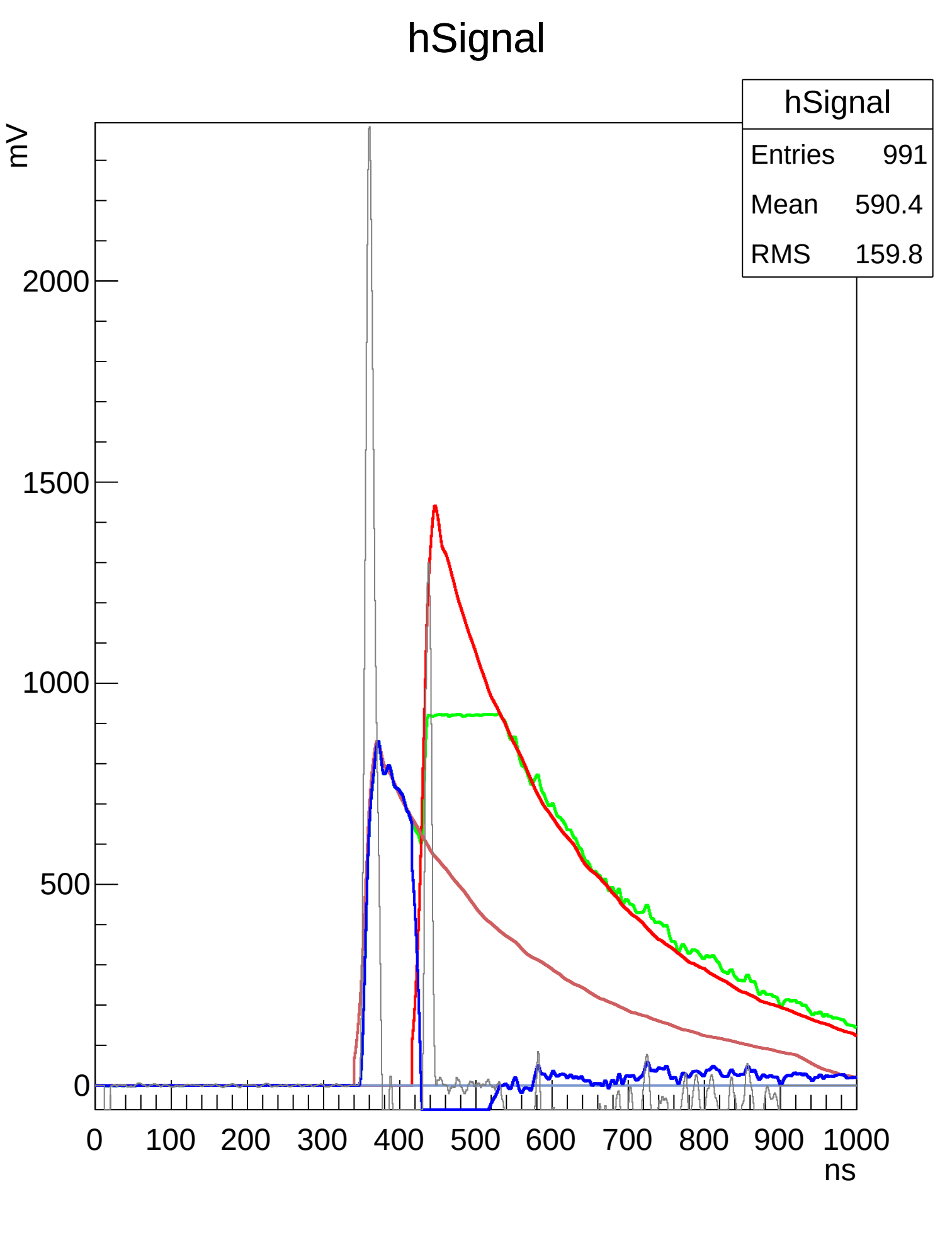

hSignal
hSignal
Entries 991
Mean 607.9
RMS 148.4
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

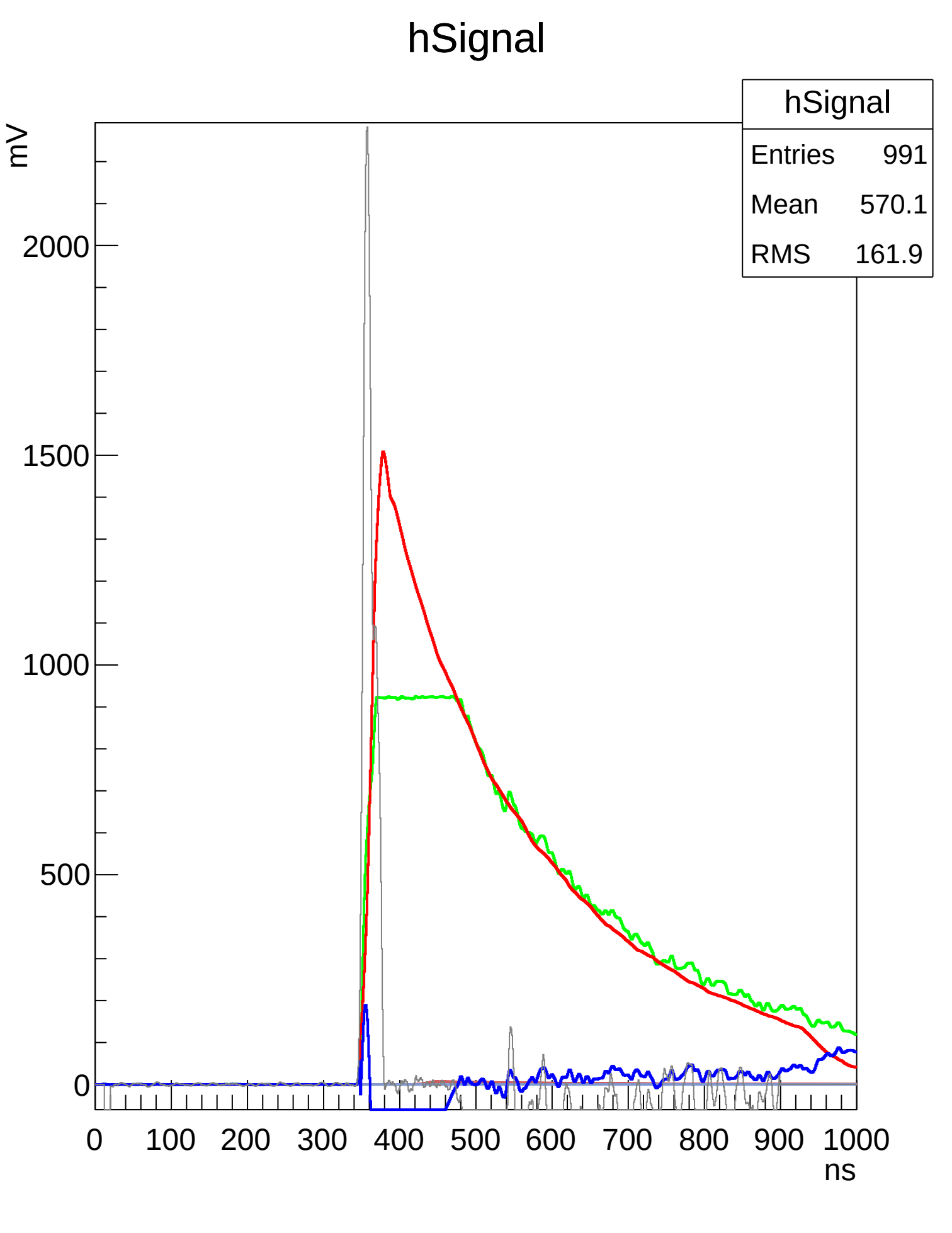

hSignal
hSignal
Entries 991
Mean 534.3
RMS 168.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

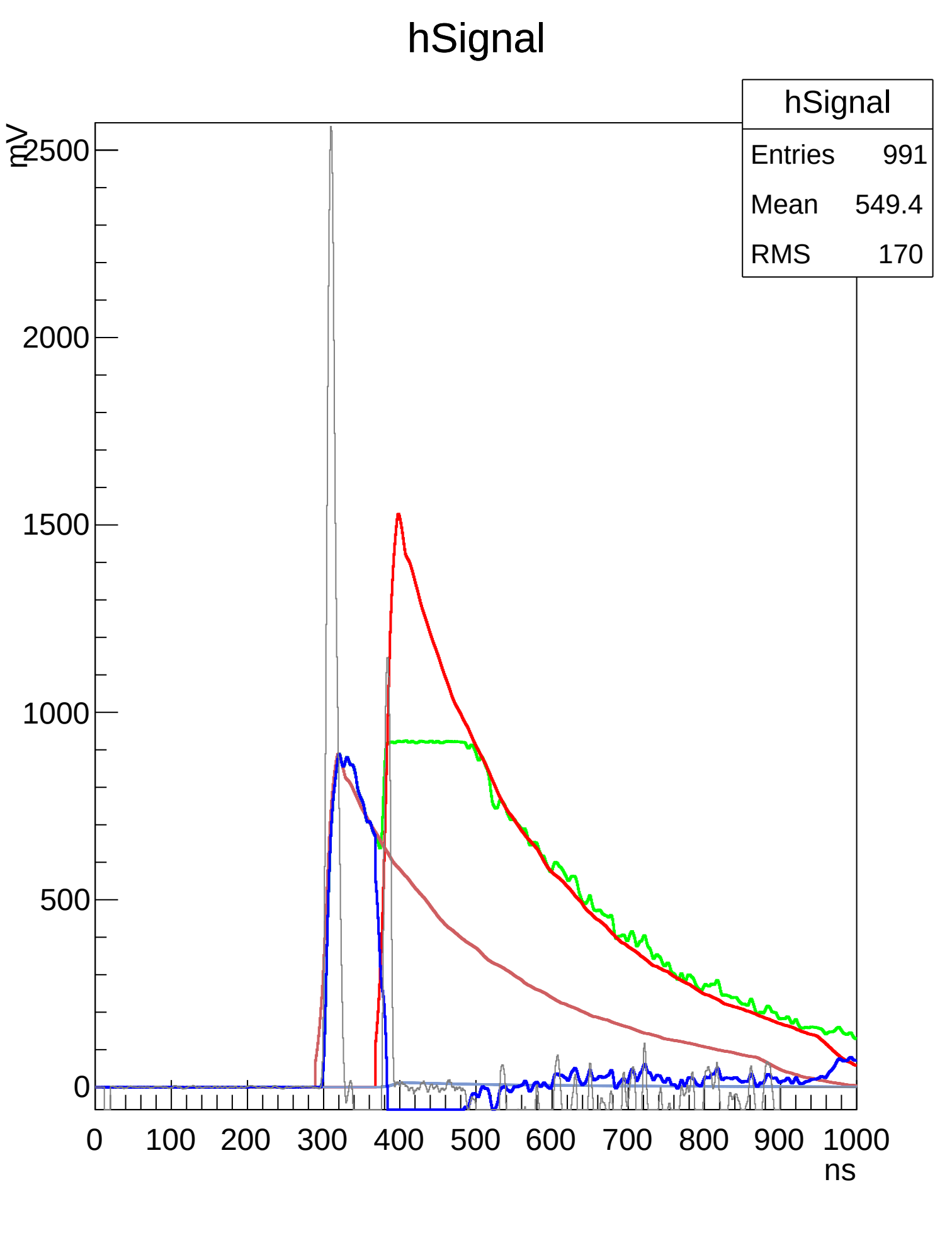

hSignal
hSignal
Entries 991
Mean 591
RMS 155.8
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

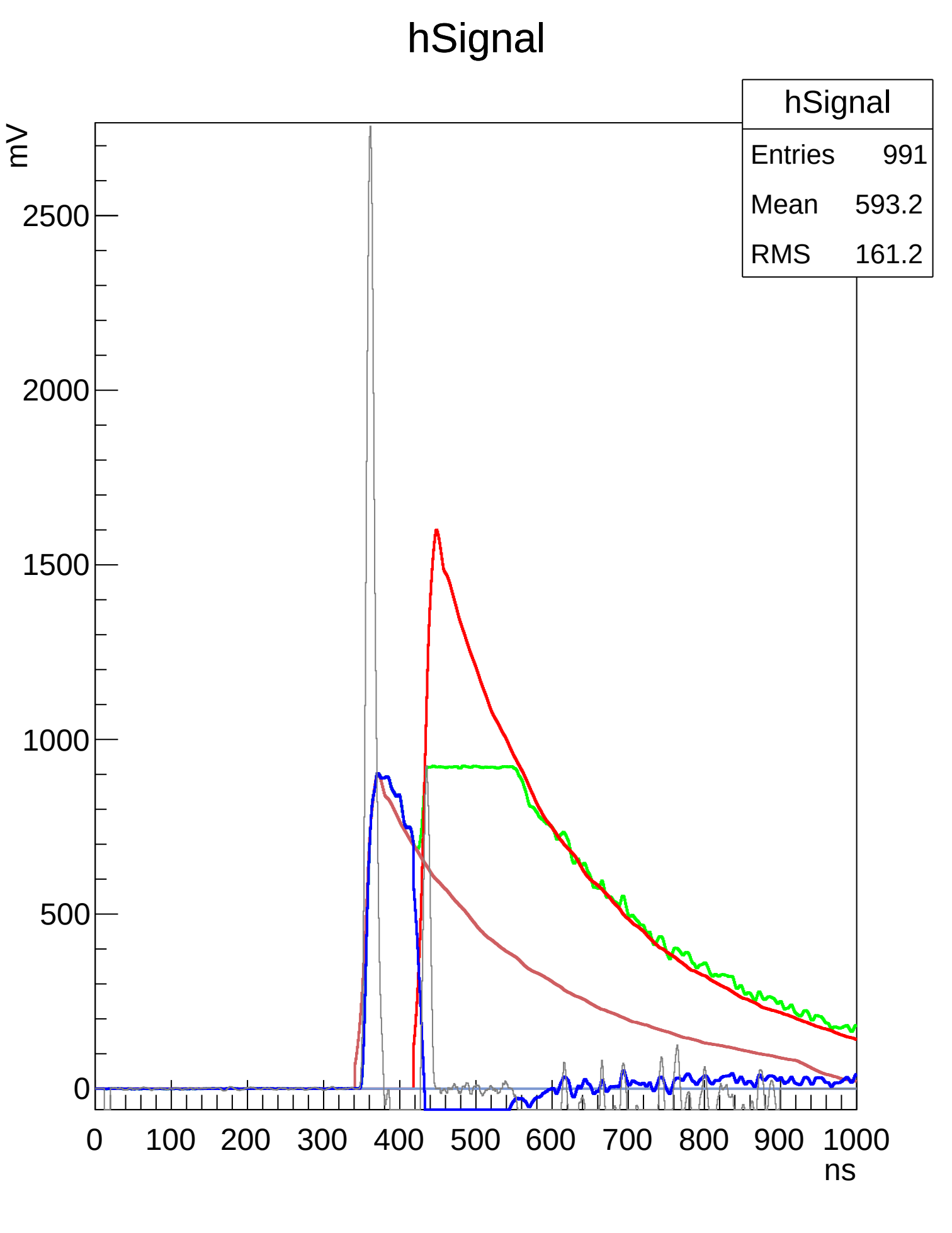

hSignal
hSignal
Entries 991
Mean 583.5
RMS 129.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

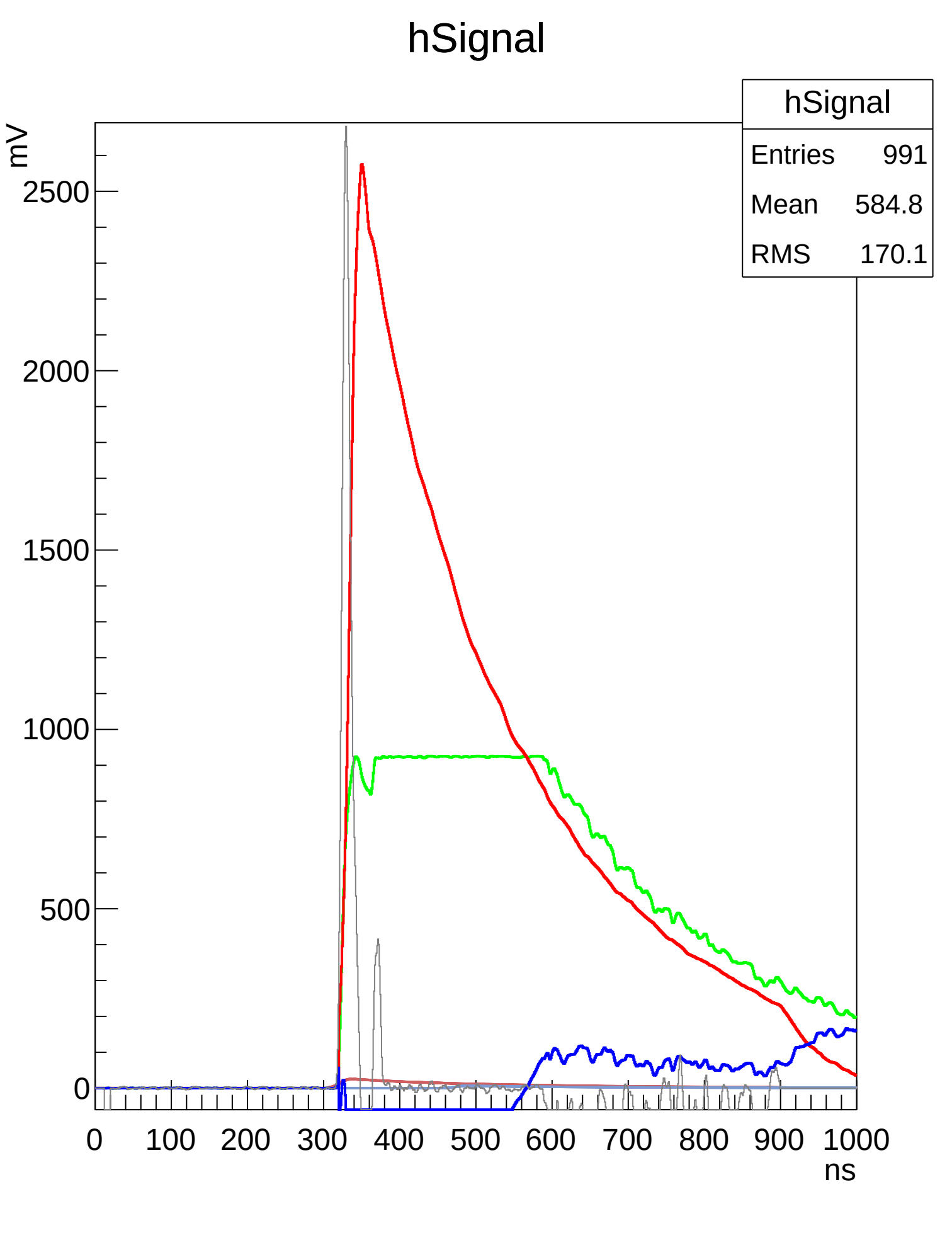

hSignal
hSignal
Entries 991
Mean 536.5
RMS 166
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

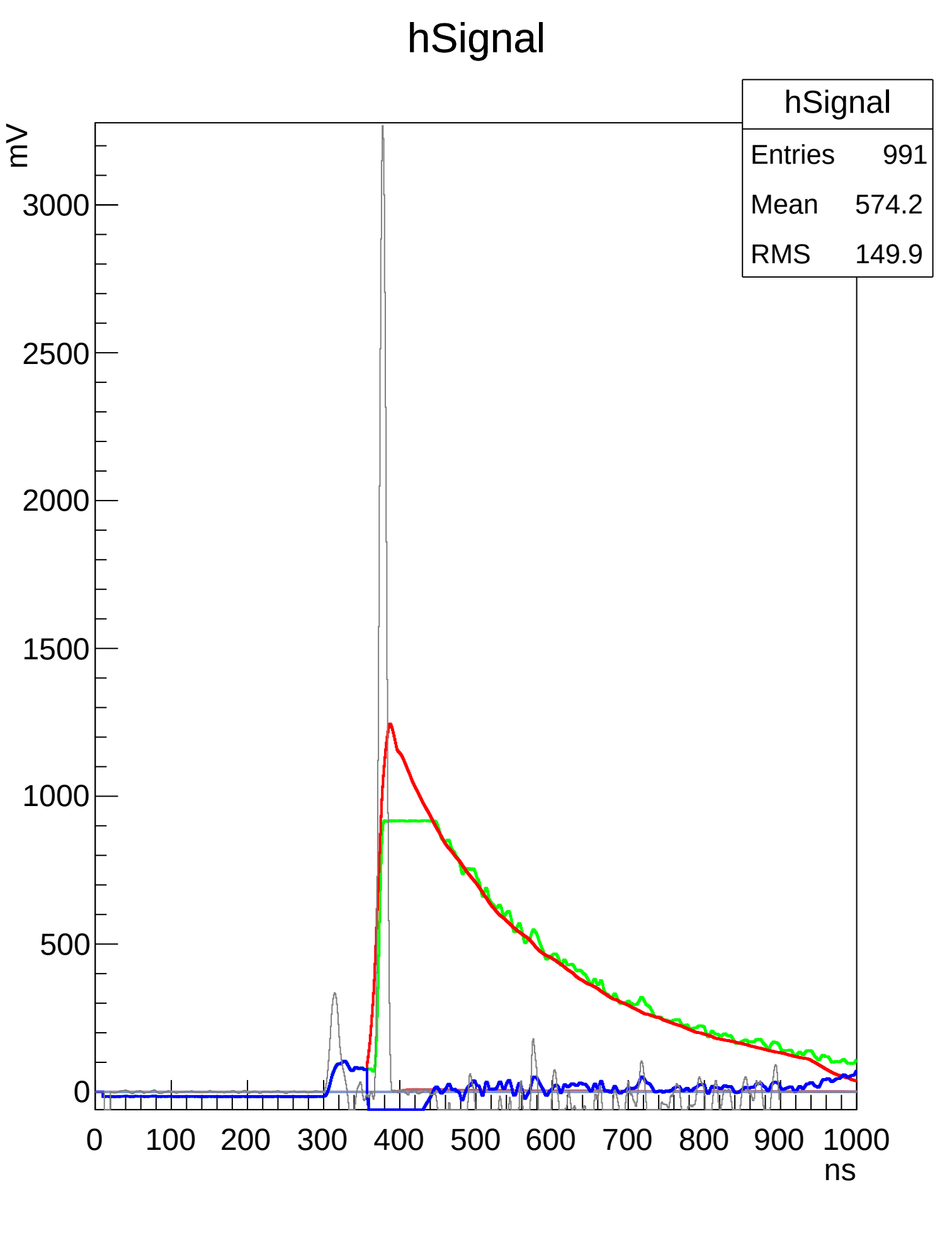

hSignal
hSignal
Entries 991
Mean 590.4
RMS 159.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

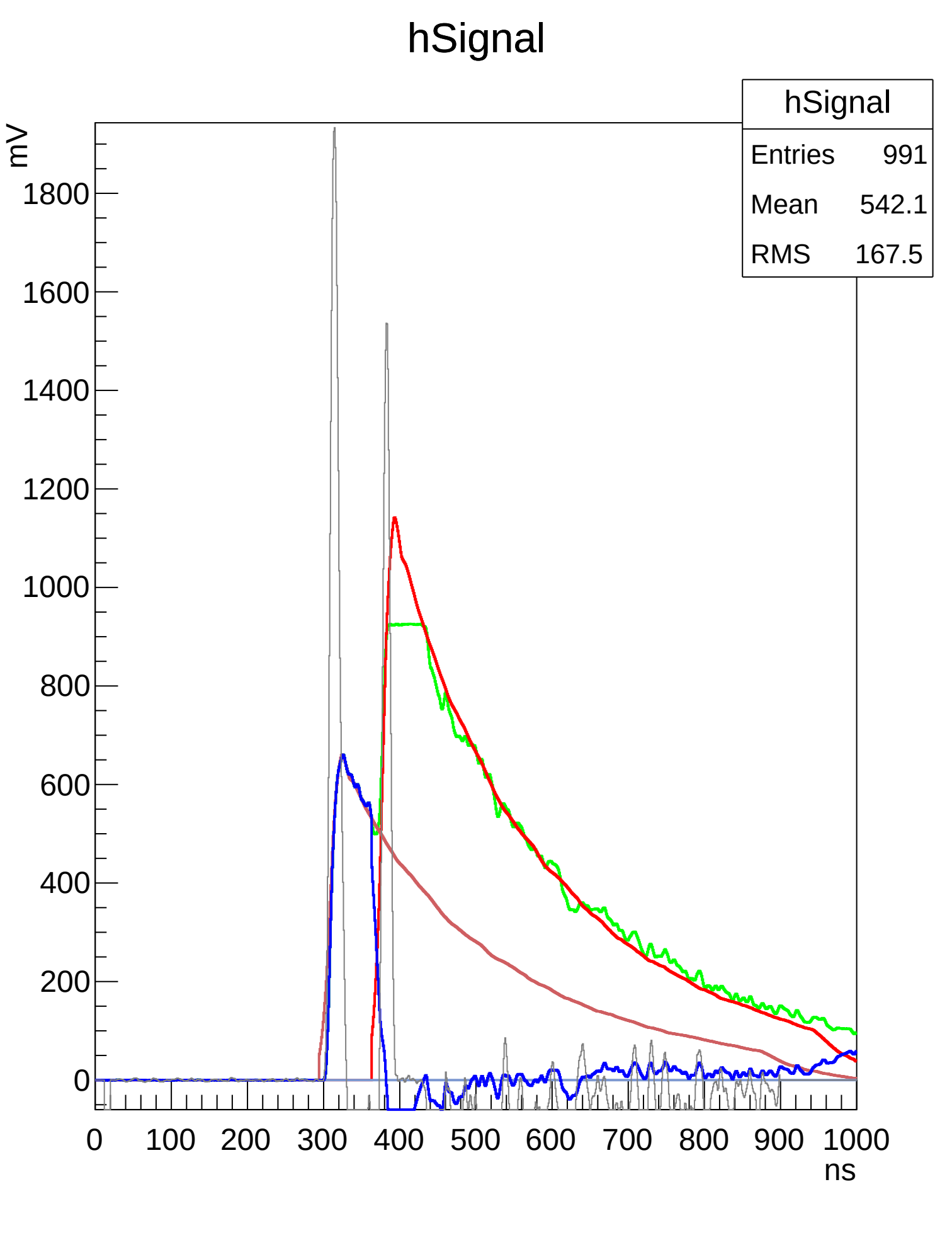

hSignal
hSignal
Entries 991
Mean 570.1
RMS 161.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

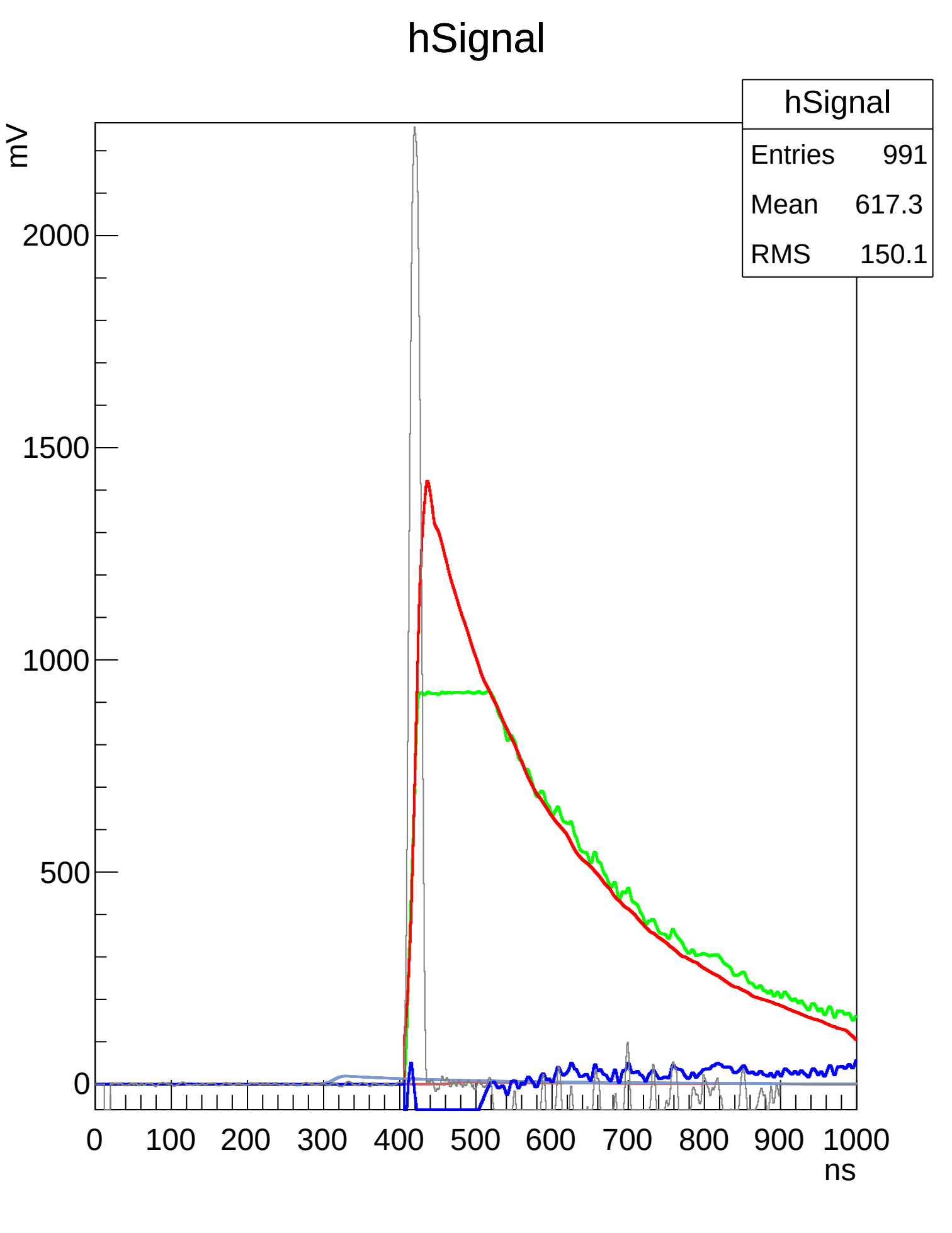

hSignal
hSignal
Entries 991
Mean 549.4
RMS 170
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

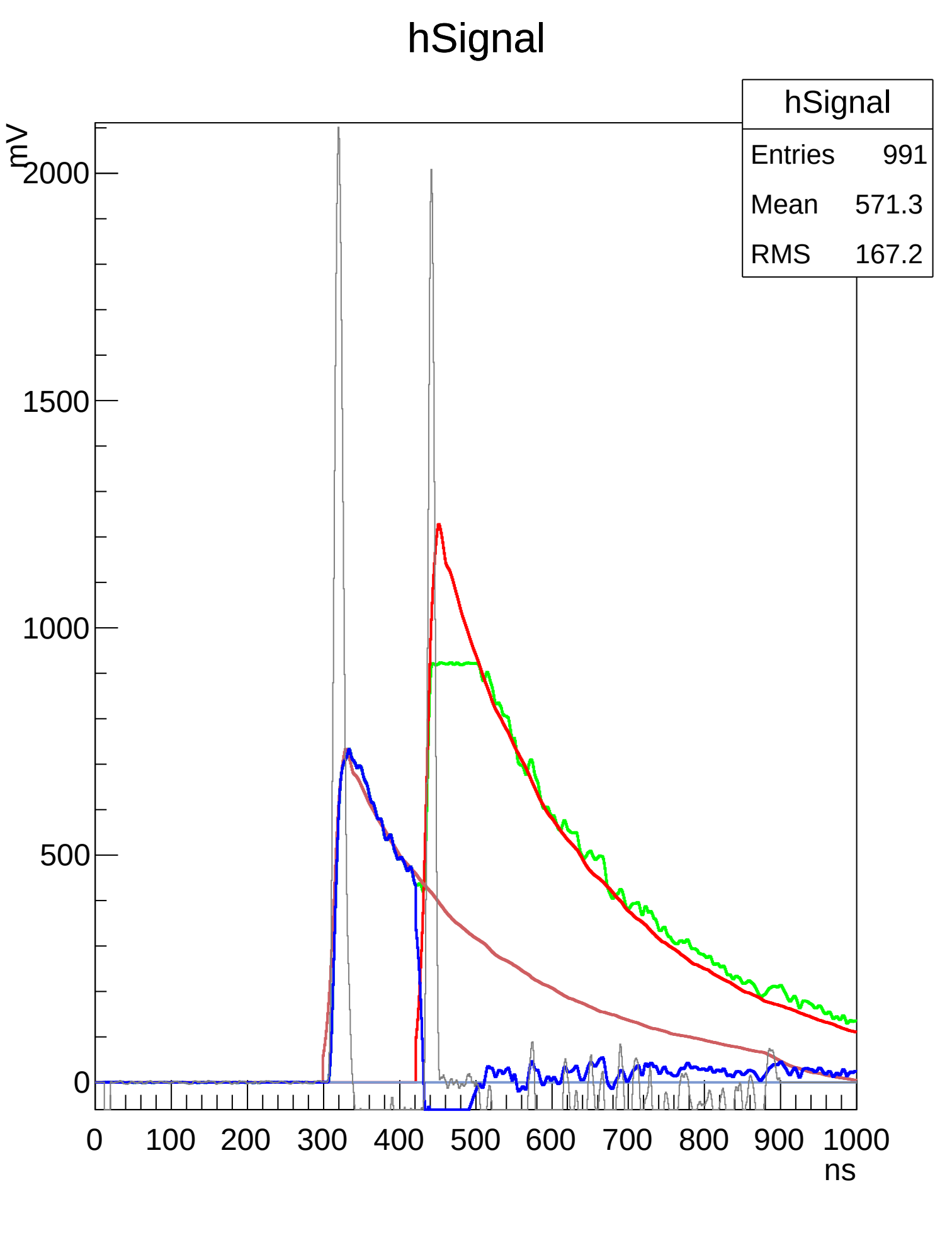

hSignal
hSignal
Entries 991
Mean 593.2
RMS 161.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

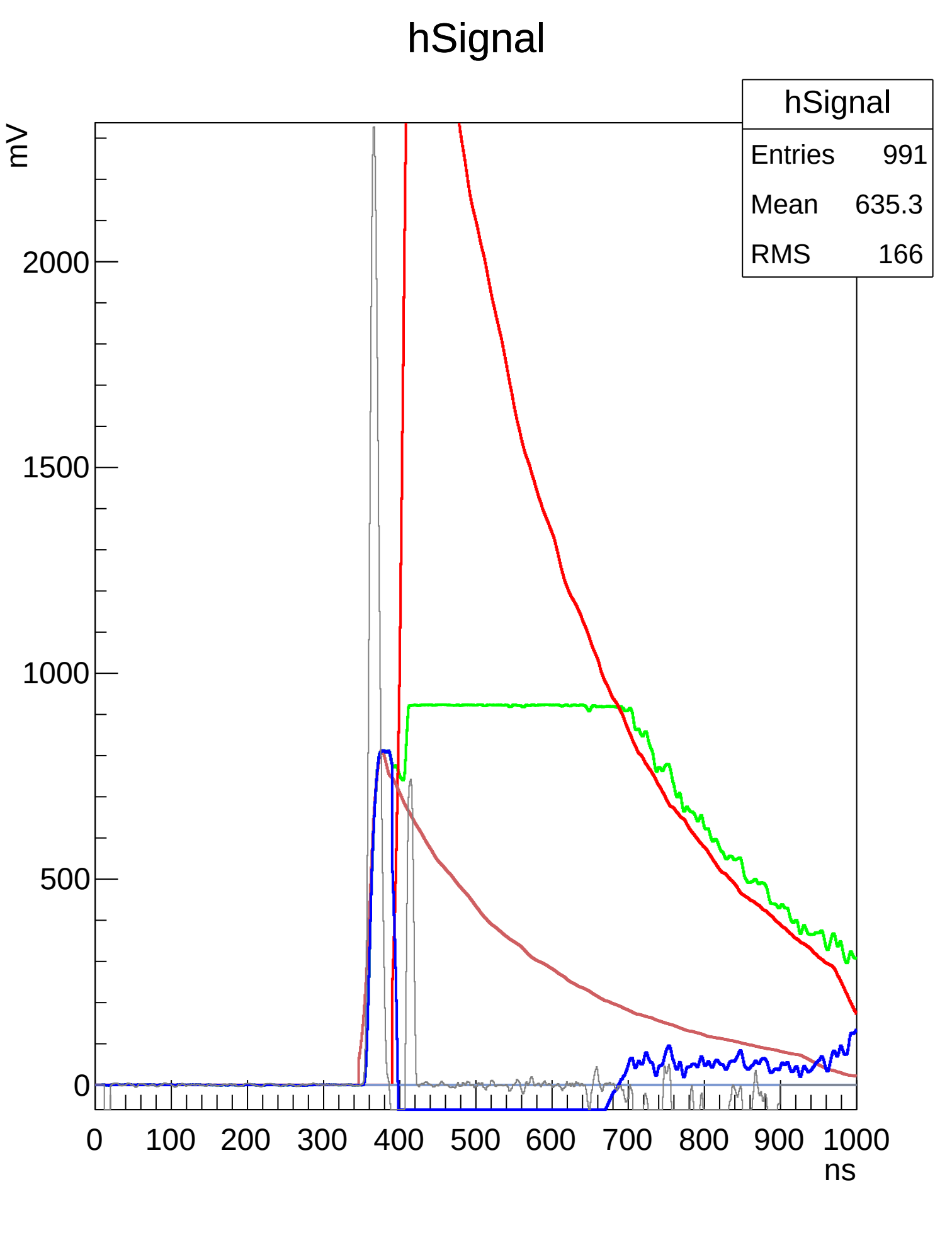

hSignal
hSignal
Entries 991
Mean 584.8
RMS 170.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

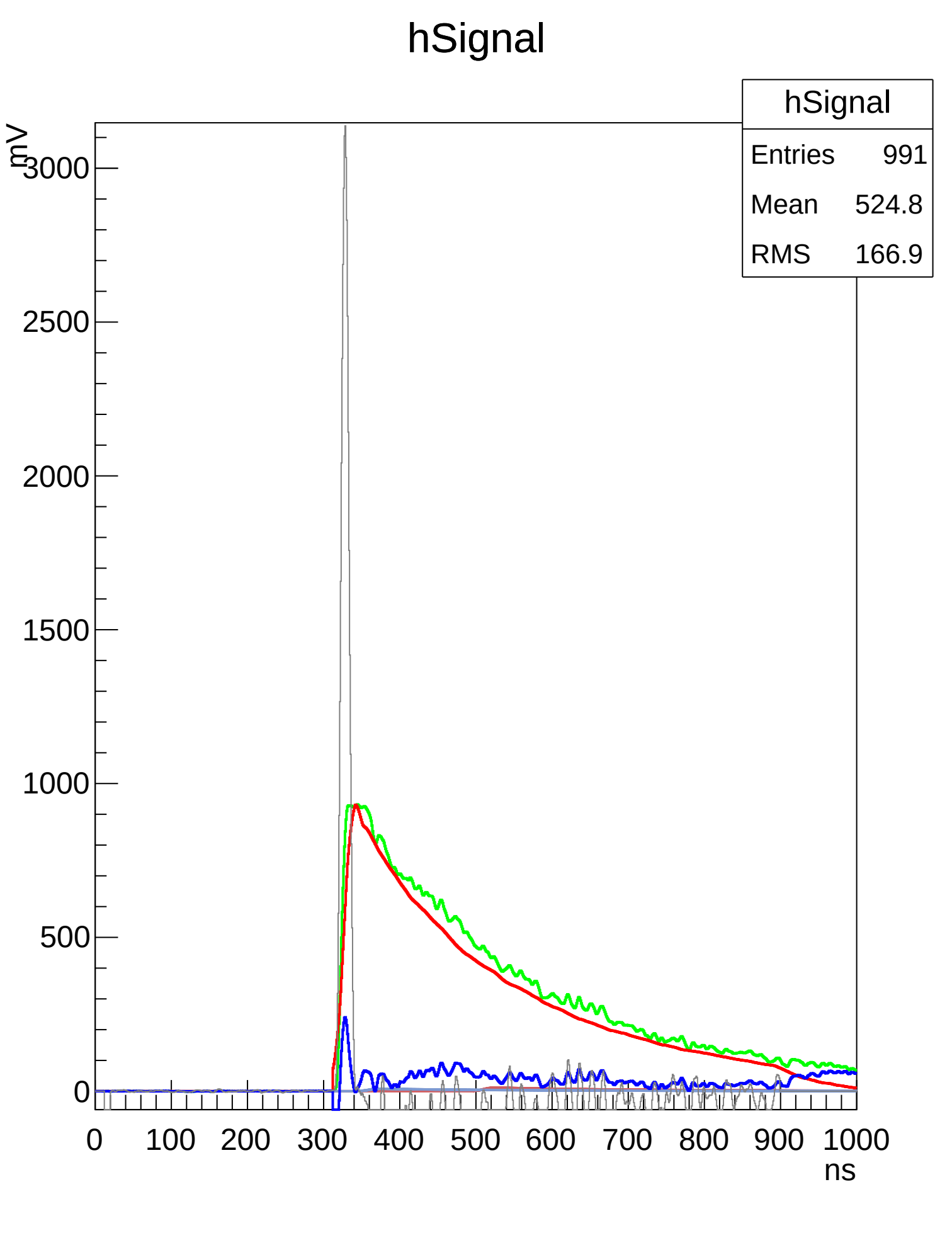

hSignal
hSignal
Entries 991
Mean 574.2
RMS 149.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

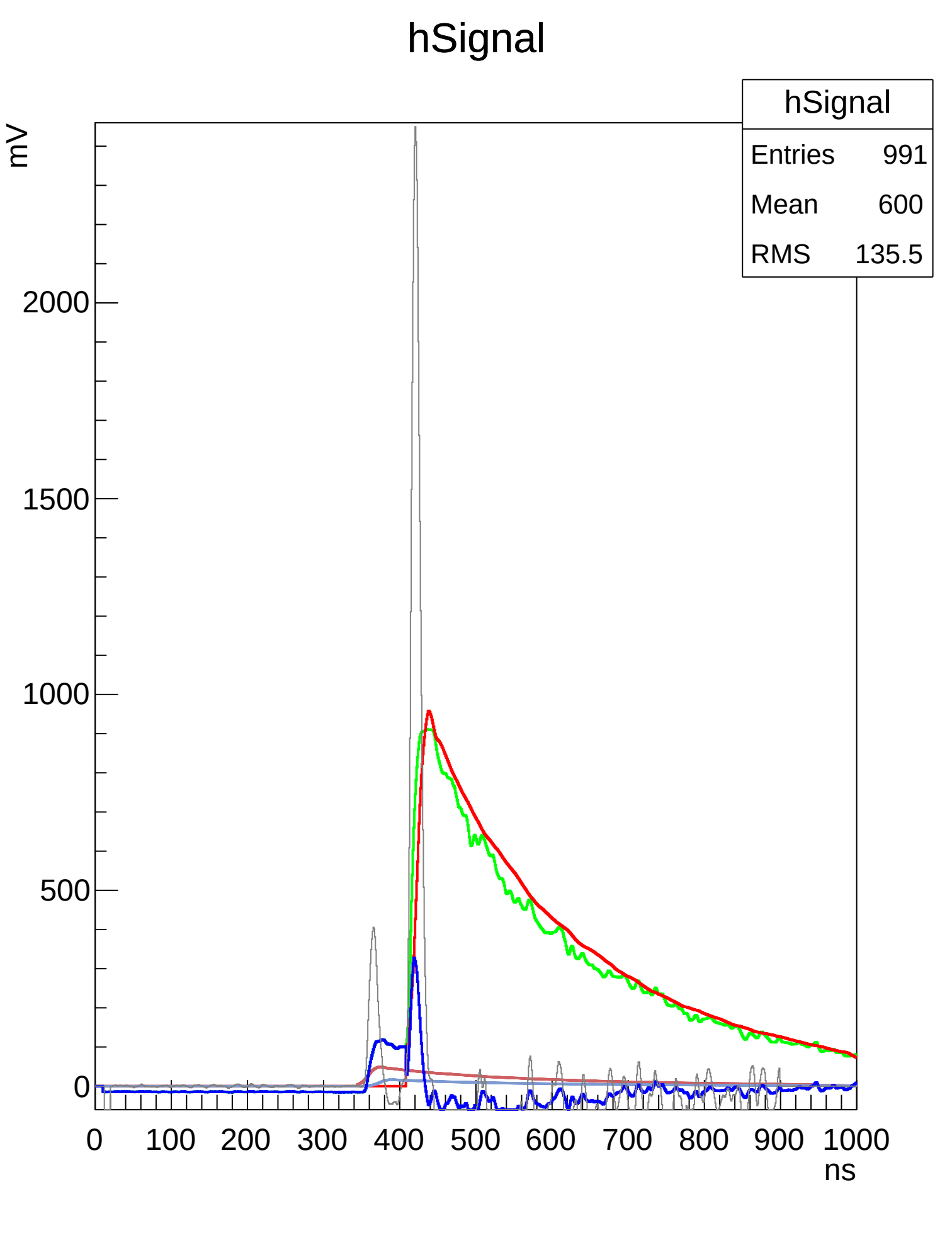

hSignal
hSignal
Entries 991
Mean 542.1
RMS 167.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

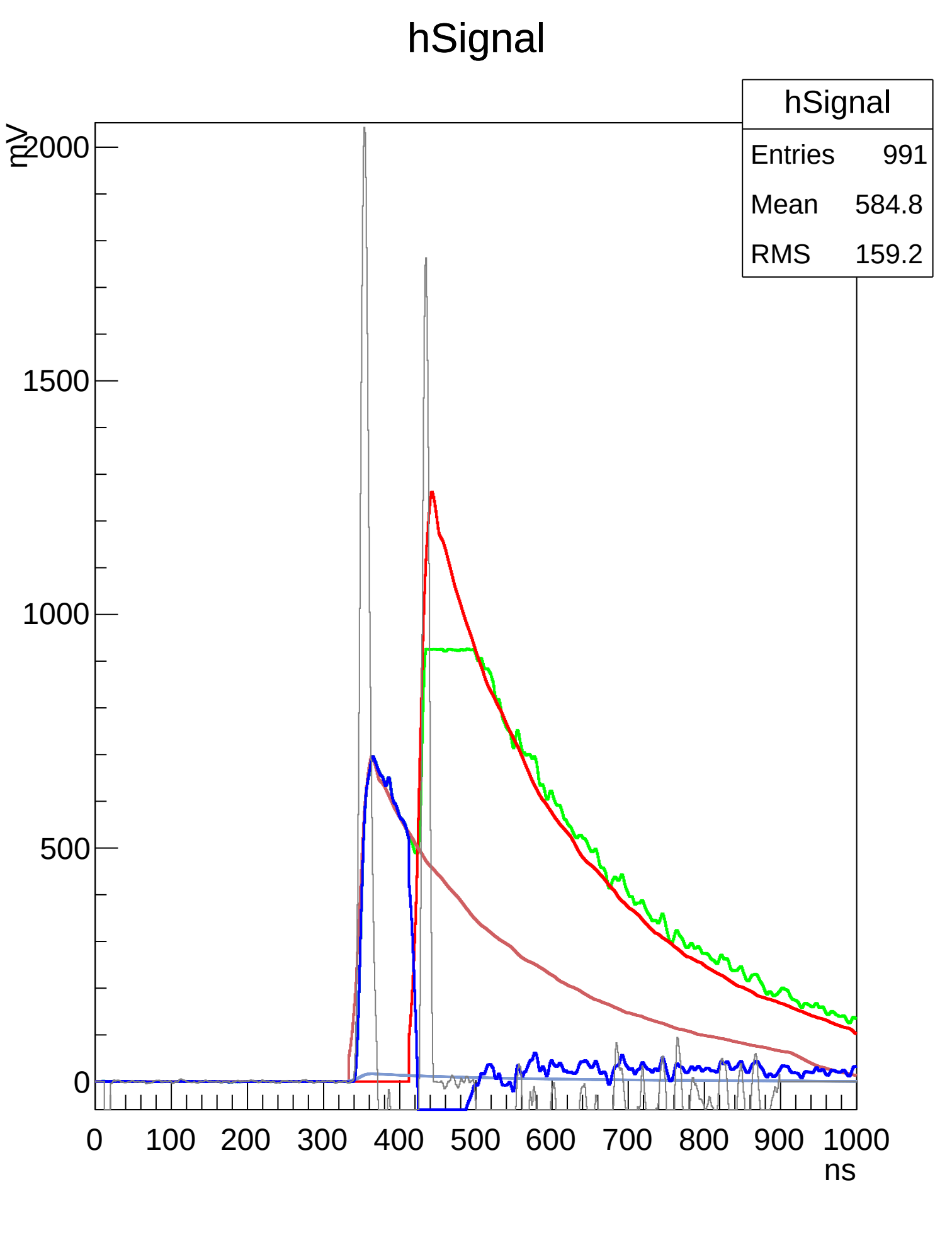

hSignal
hSignal
Entries 991
Mean 617.3
RMS 150.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

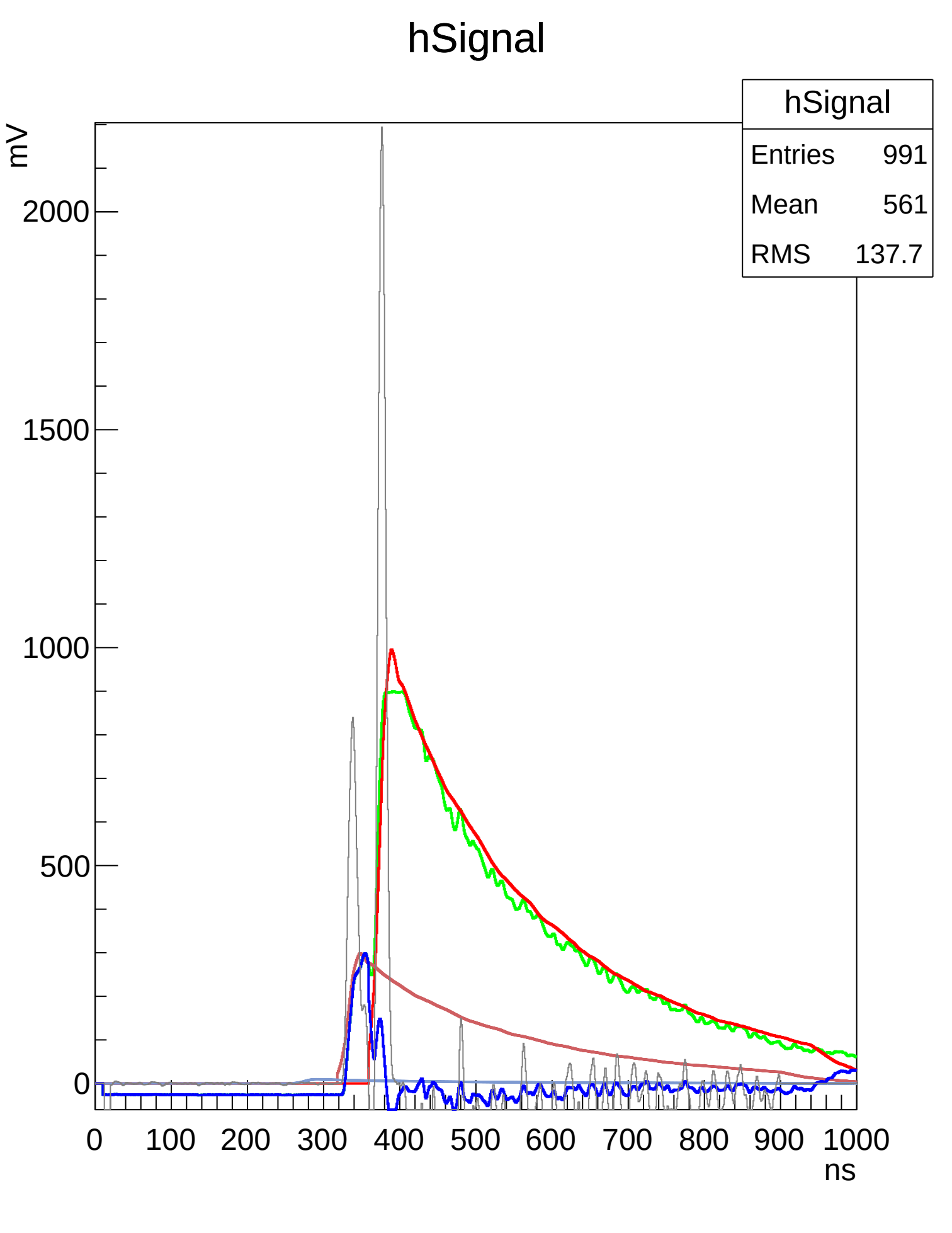

hSignal
hSignal
Entries 991
Mean 571.3
RMS 167.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

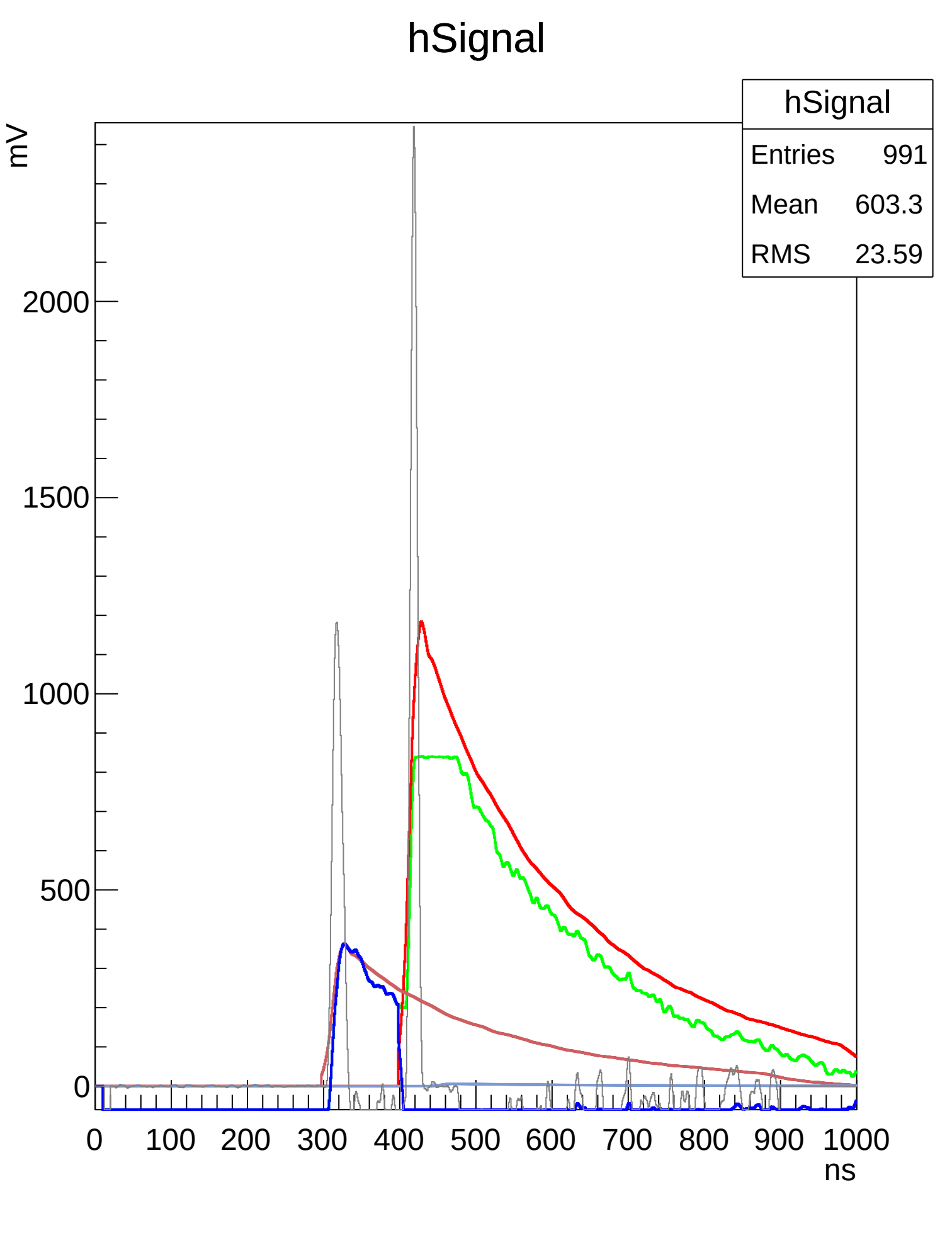

hSignal
hSignal
Entries 991
Mean 635.3
RMS 166
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

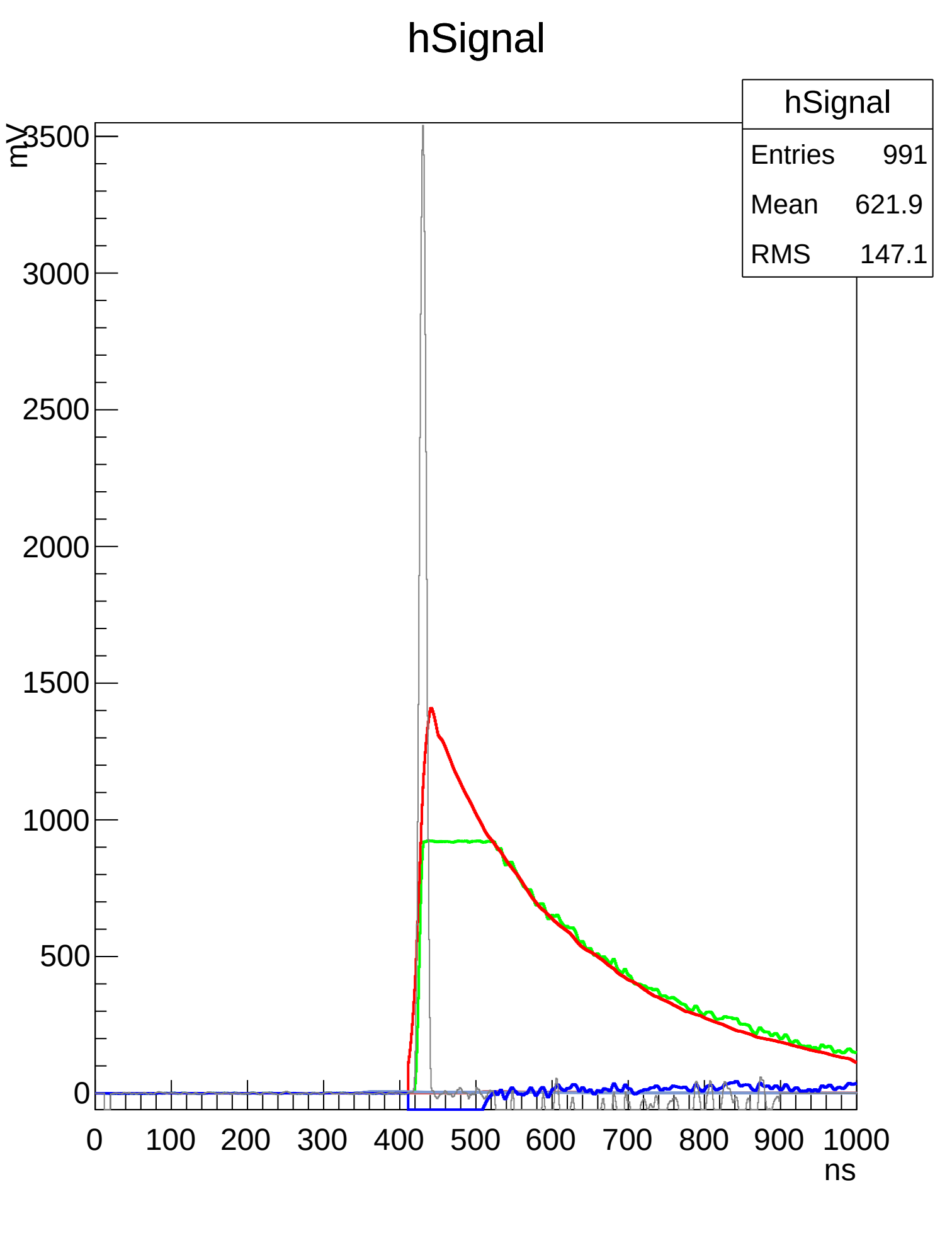

hSignal
hSignal
Entries 991
Mean 524.8
RMS 166.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

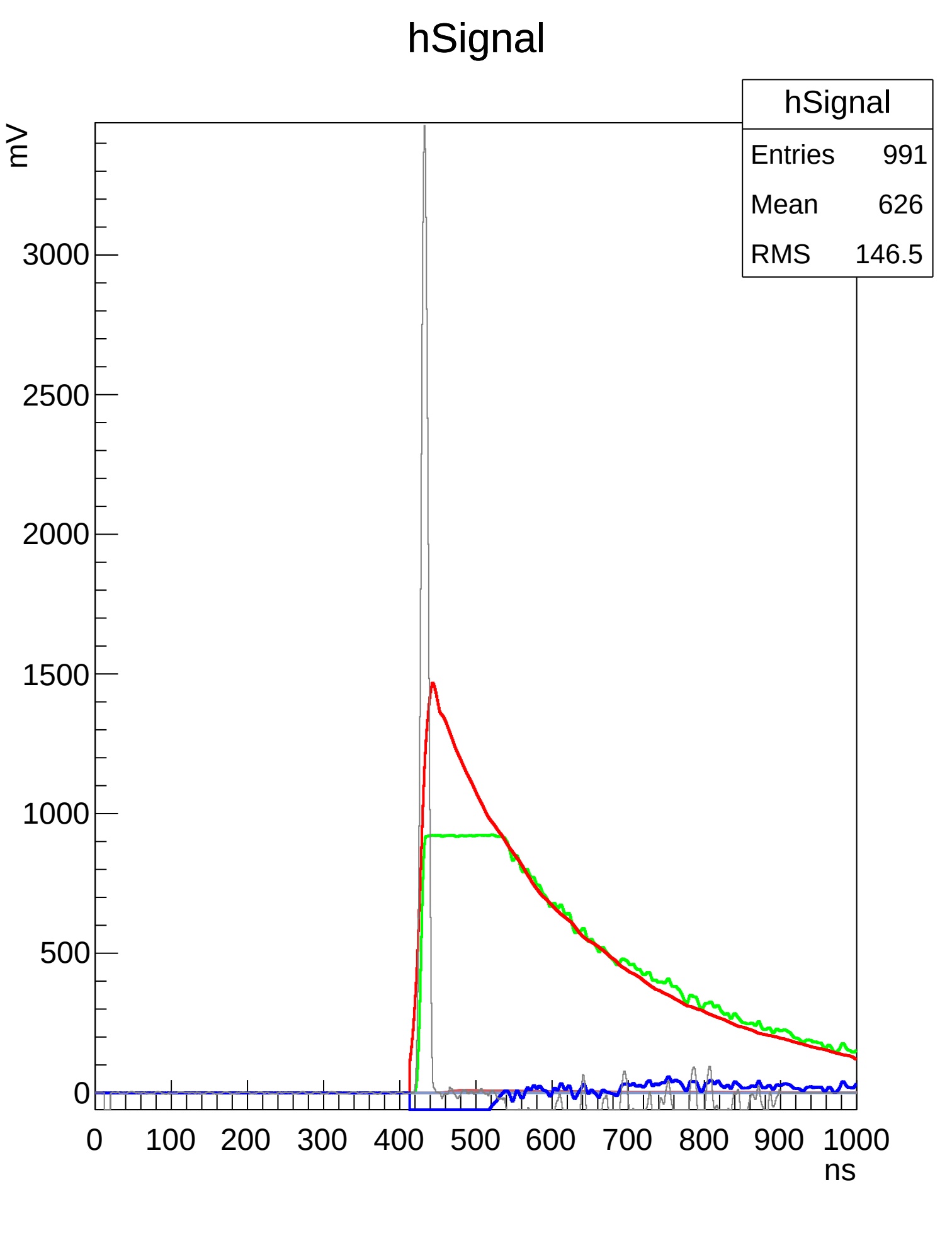

hSignal
hSignal
Entries 991
Mean 600
RMS 135.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

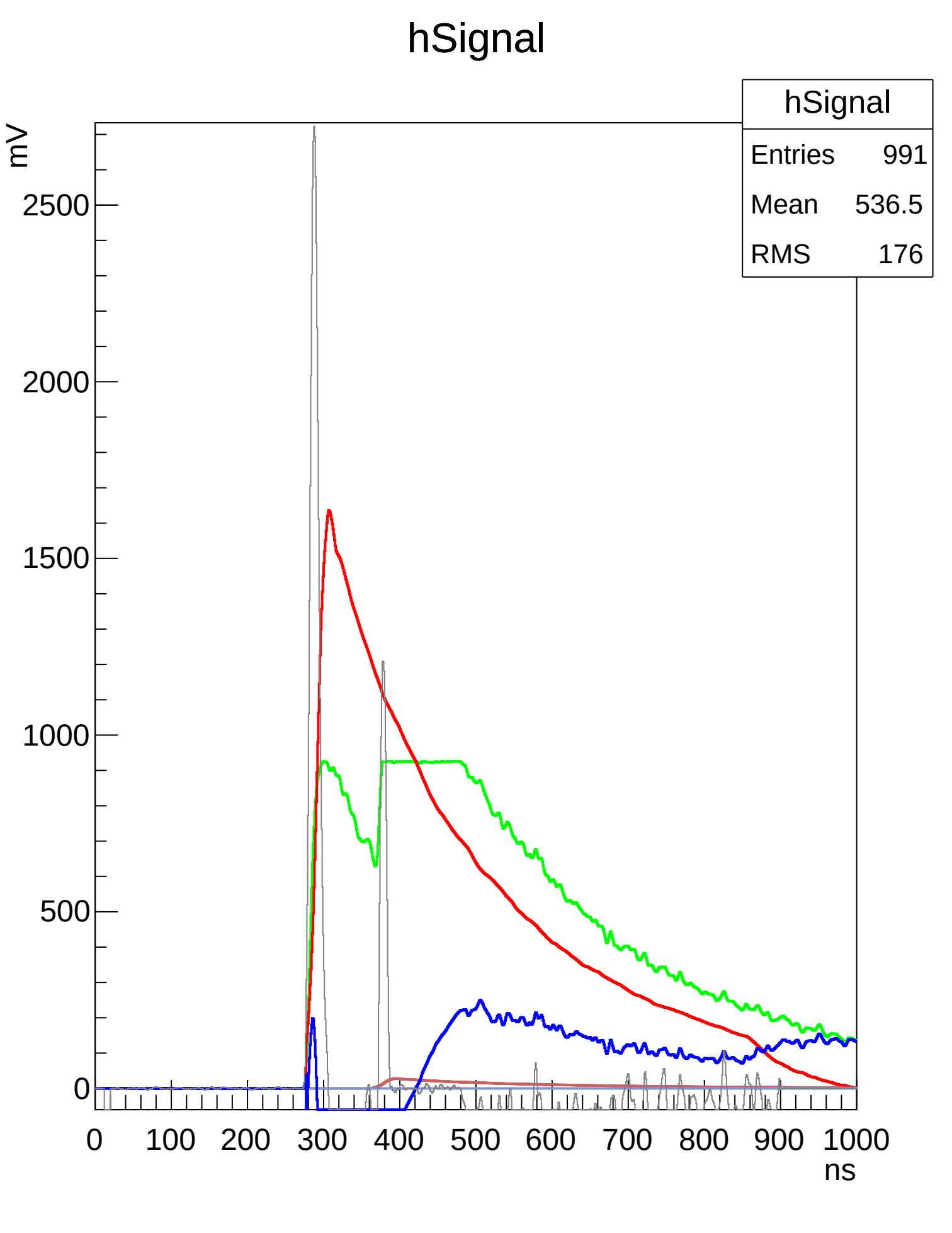

hSignal
hSignal
Entries 991
Mean 584.8
RMS 159.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

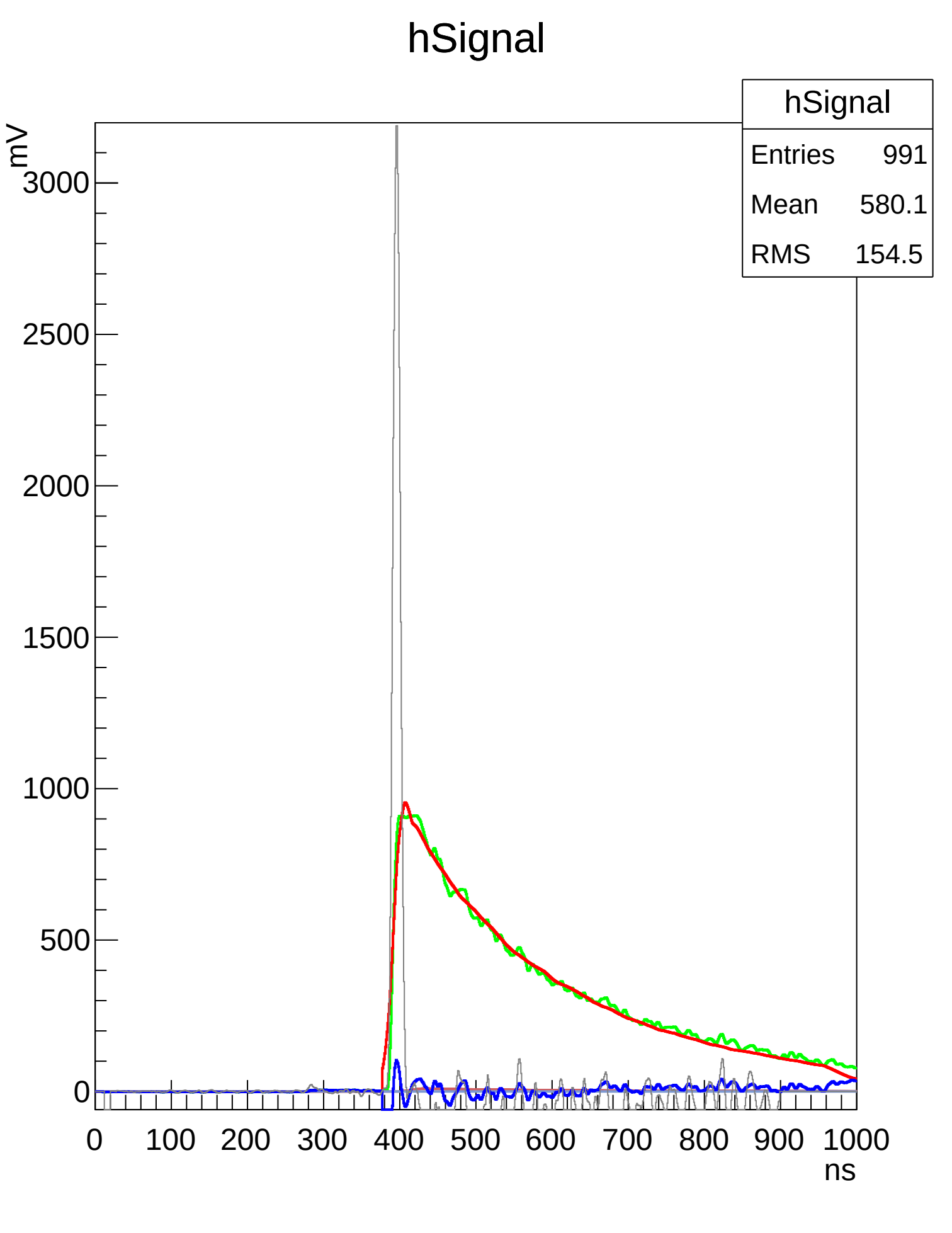

hSignal
hSignal
Entries 991
Mean 561
RMS 137.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

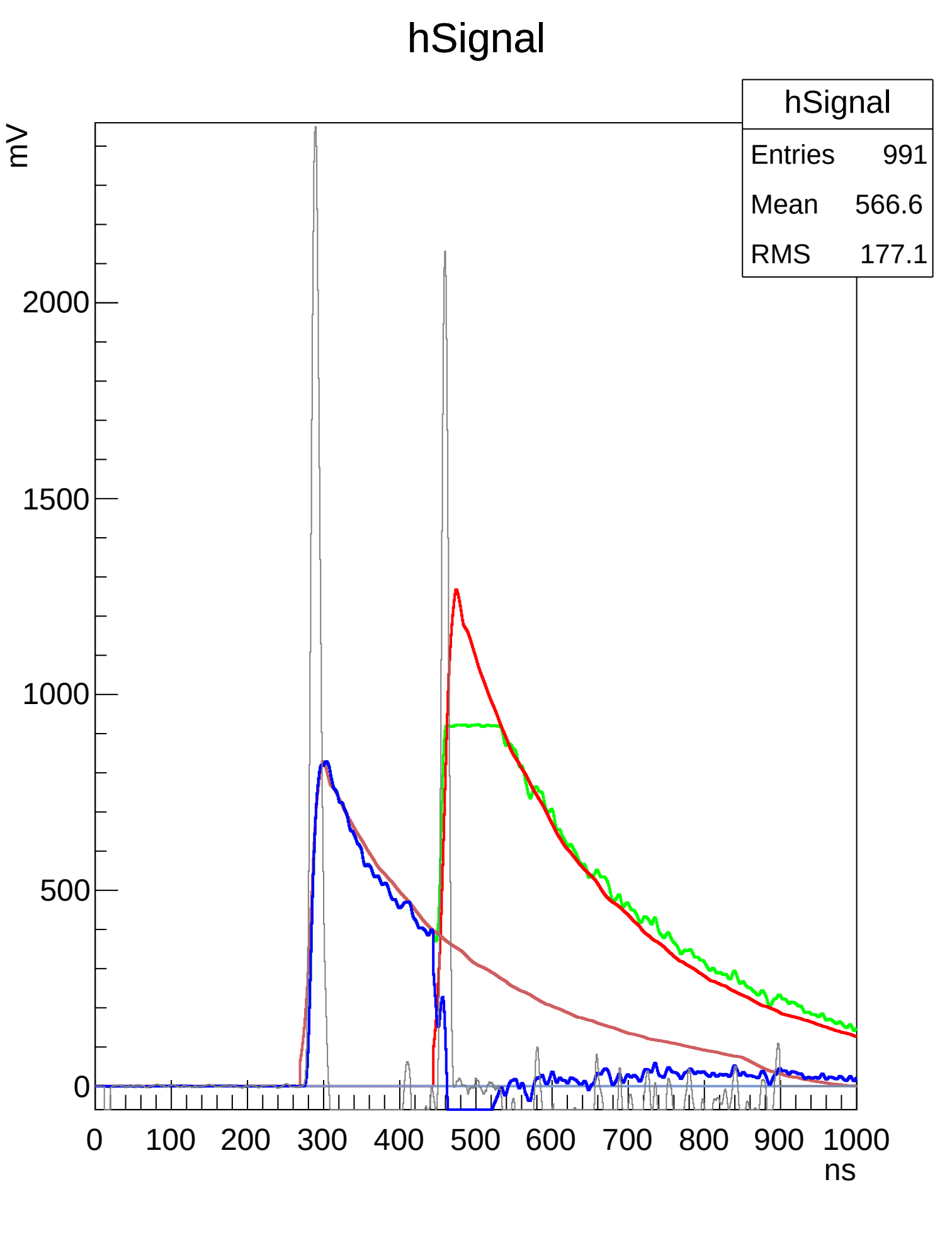

hSignal
hSignal
Entries 991
Mean 603.3
RMS 23.59
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

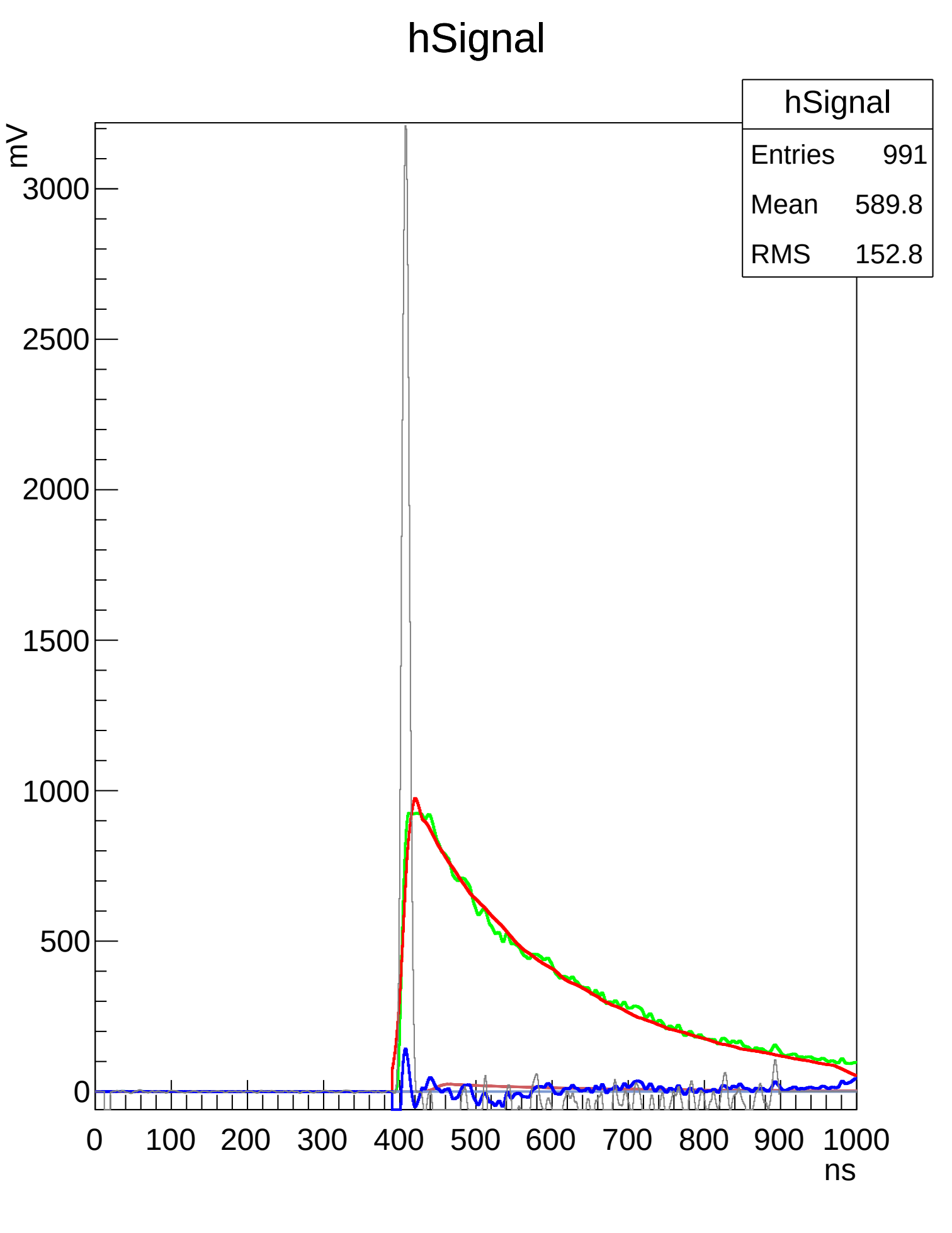

hSignal
hSignal
Entries 991
Mean 621.9
RMS 147.1
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

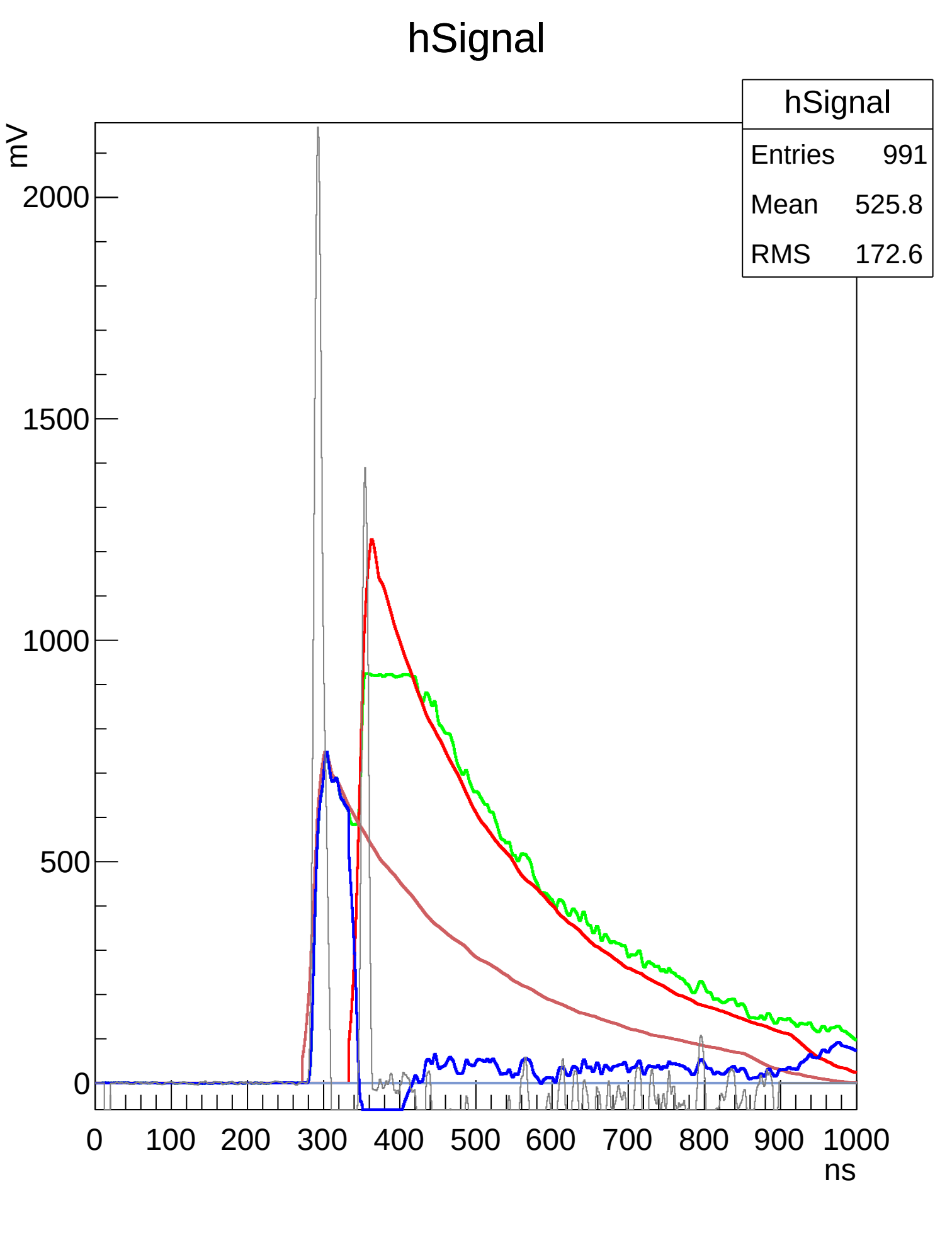

hSignal
hSignal
Entries 991
Mean 626
RMS 146.5
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

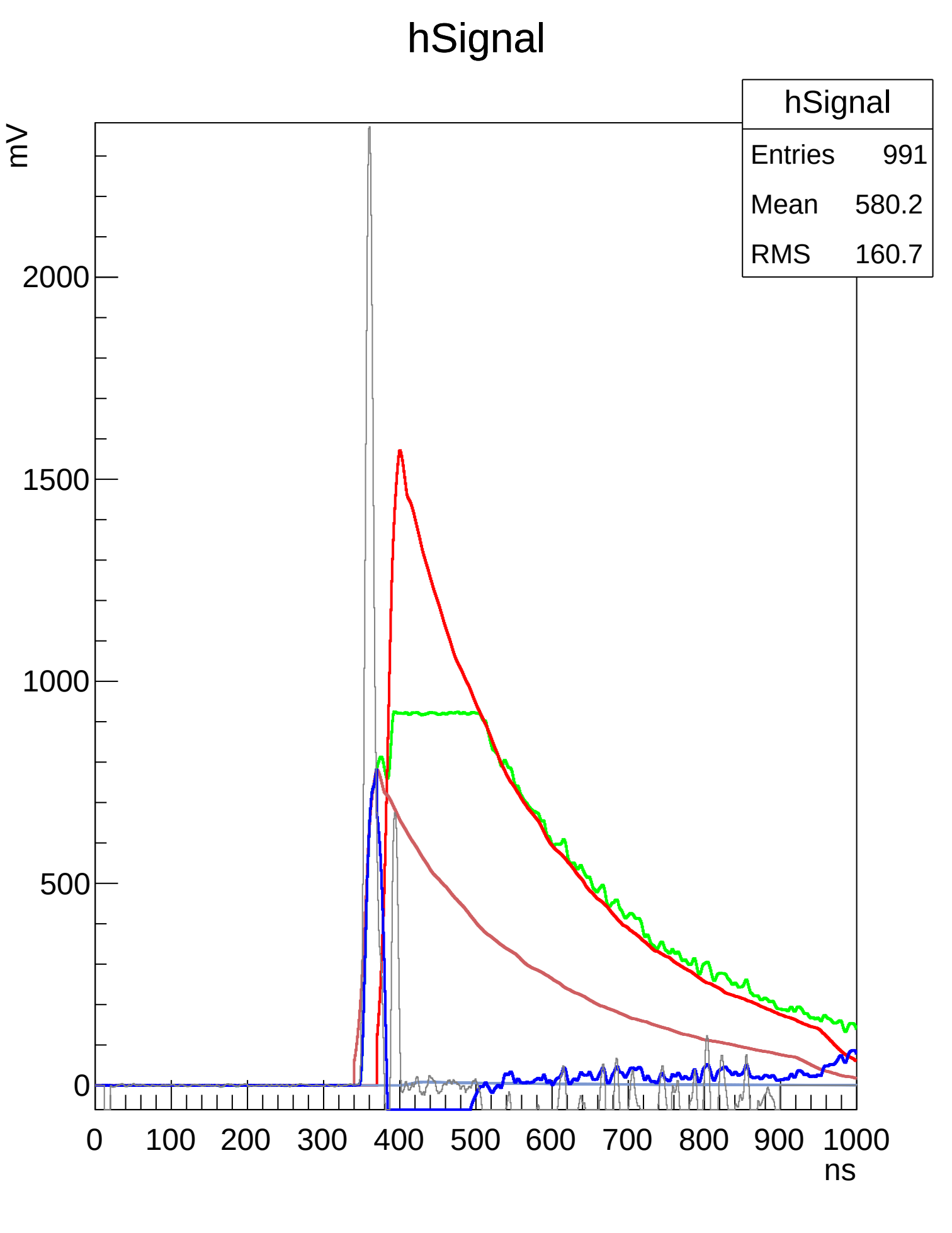

hSignal
hSignal
Entries 991
Mean 536.5
RMS 176
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

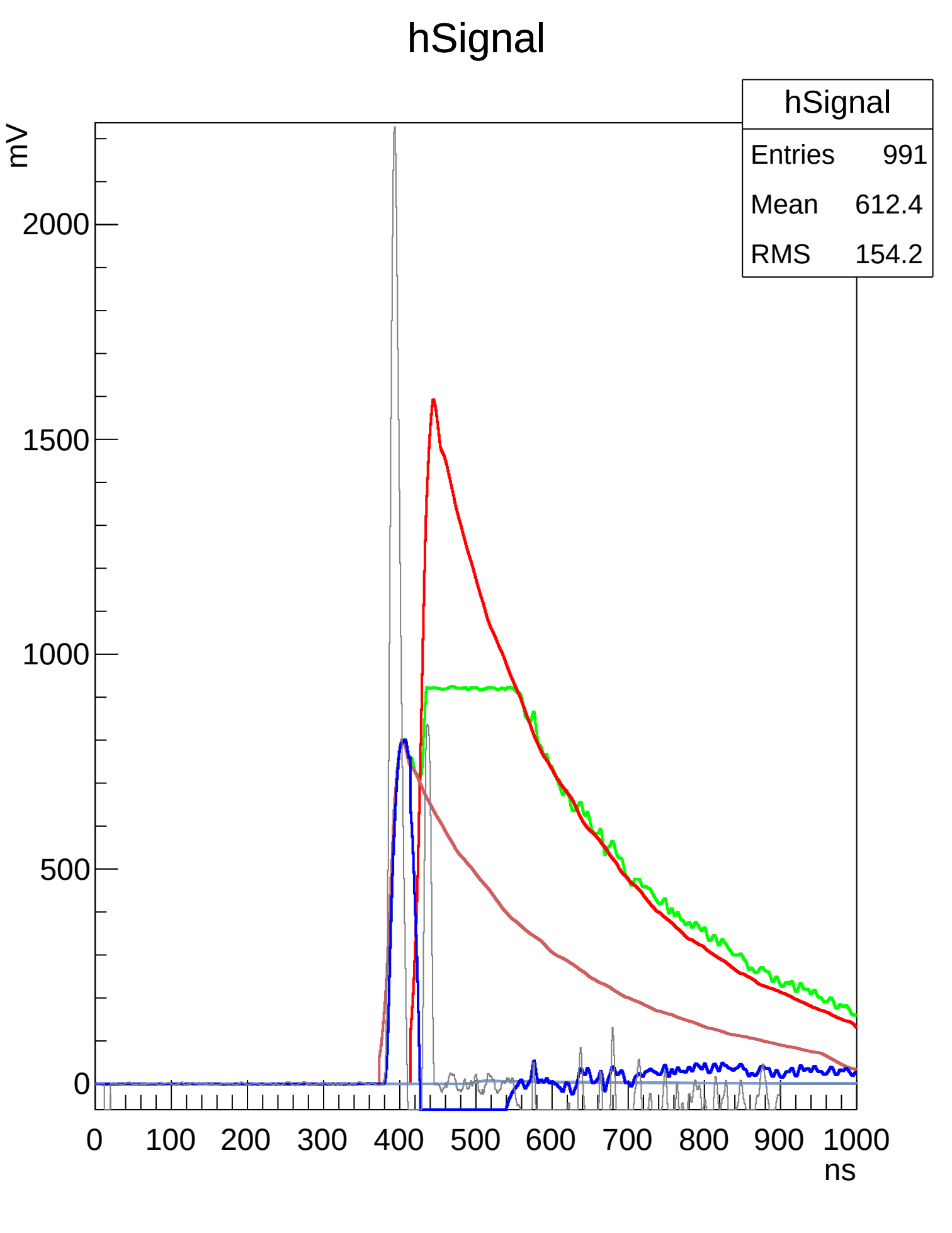

hSignal
hSignal
Entries 991
Mean 580.1
RMS 154.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

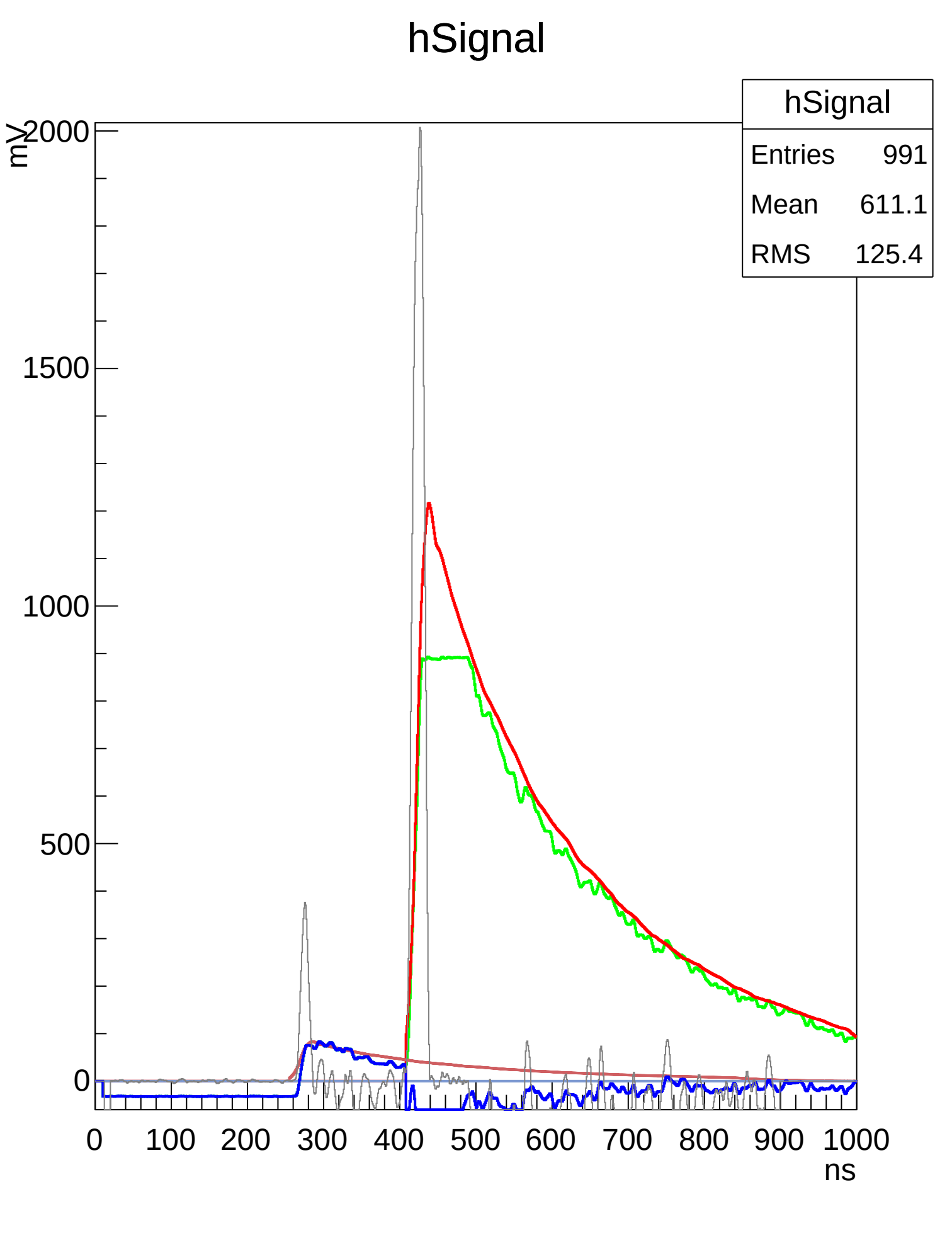

hSignal
hSignal
Entries 991
Mean 566.6
RMS 177.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

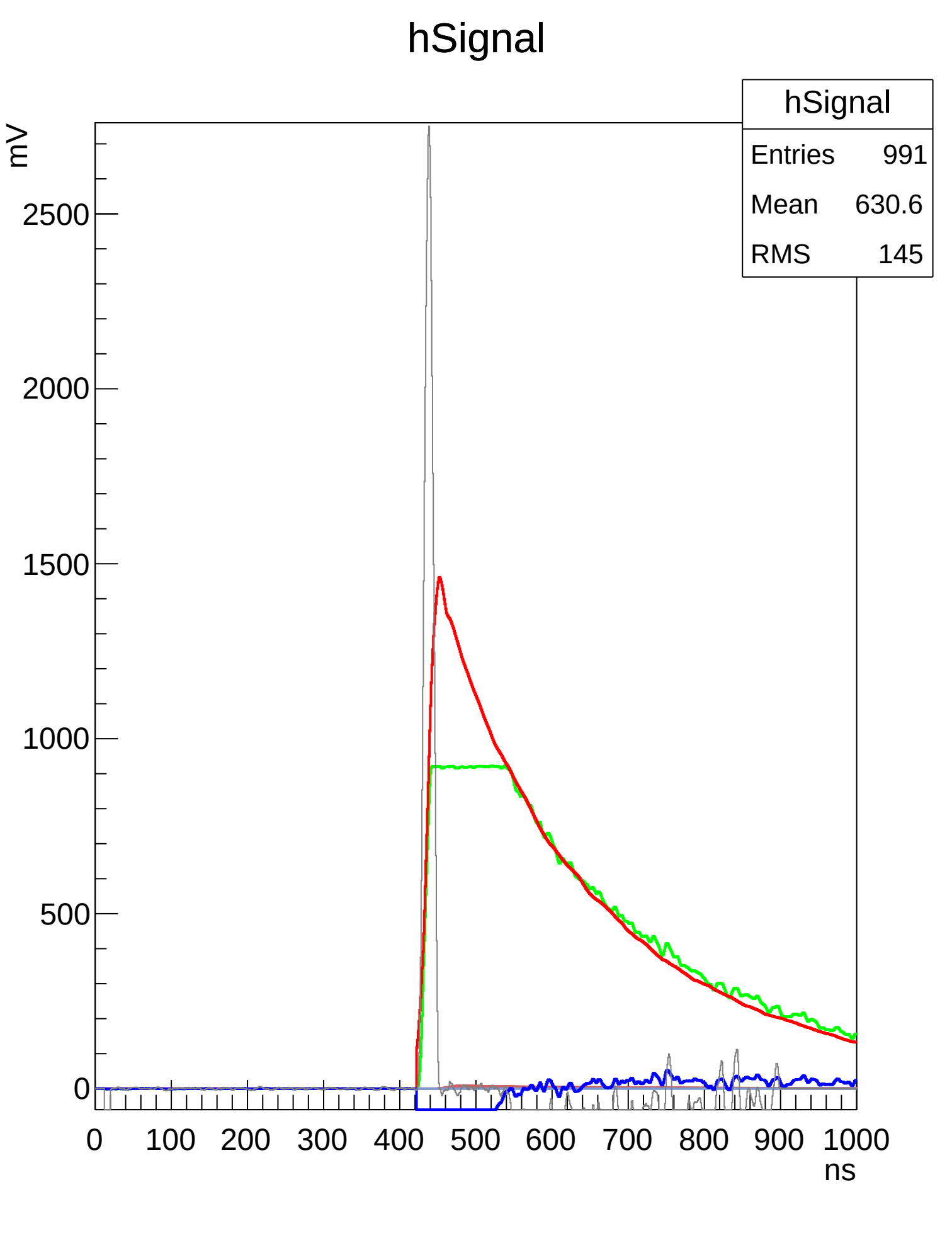

hSignal
hSignal
Entries 991
Mean 589.8
RMS 152.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

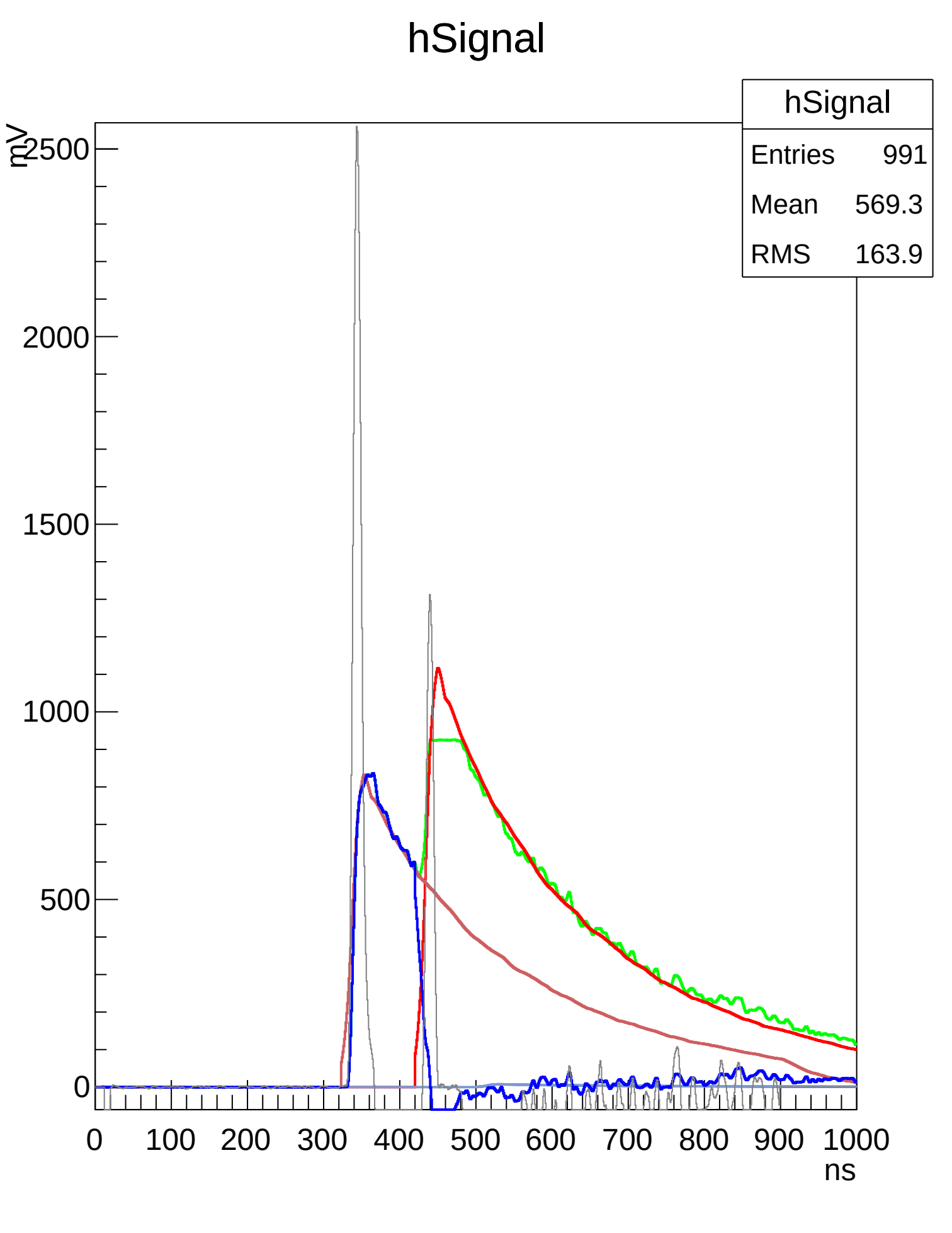

hSignal
hSignal
Entries 991
Mean 525.8
RMS 172.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

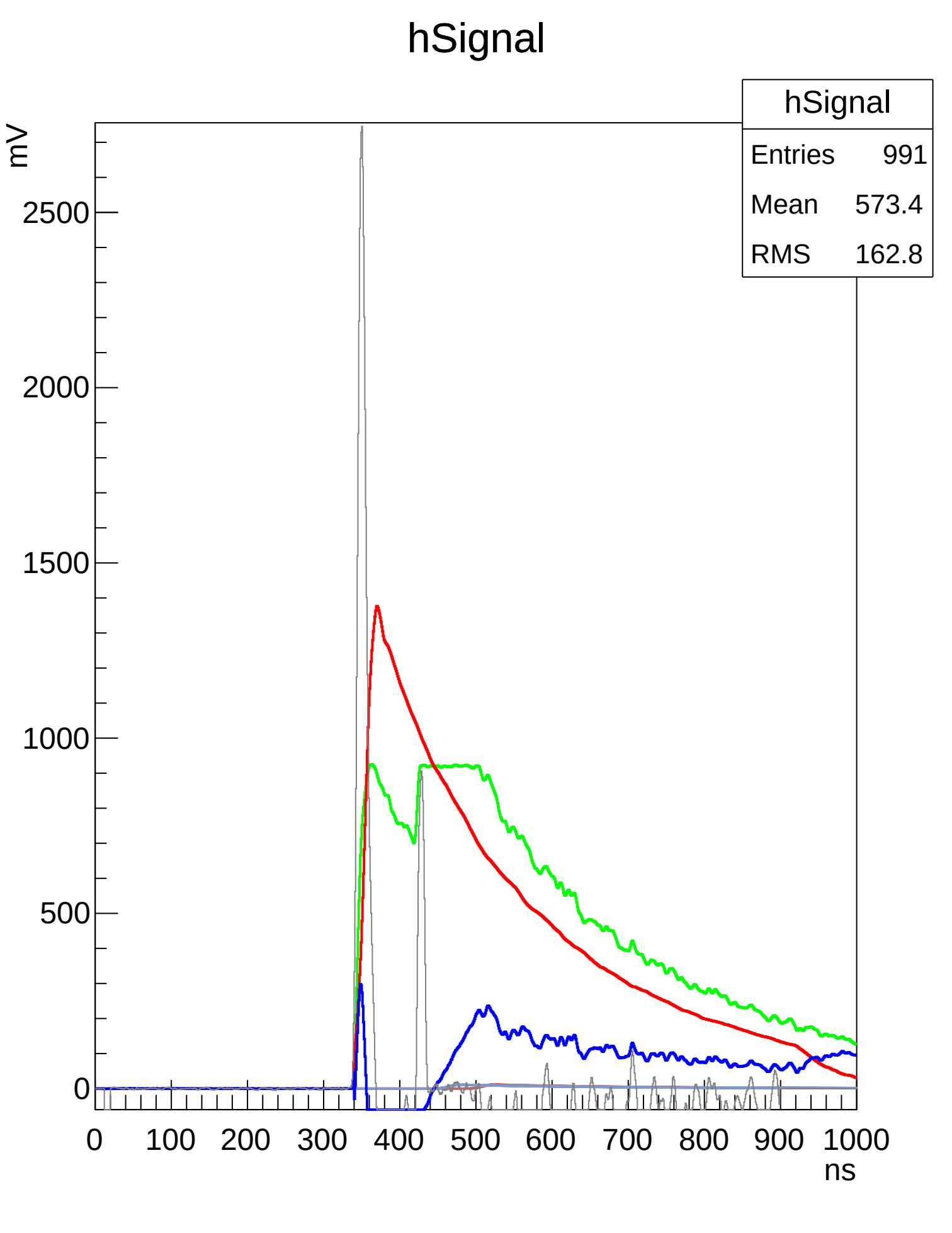

hSignal
hSignal
Entries 991
Mean 580.2
RMS 160.7
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

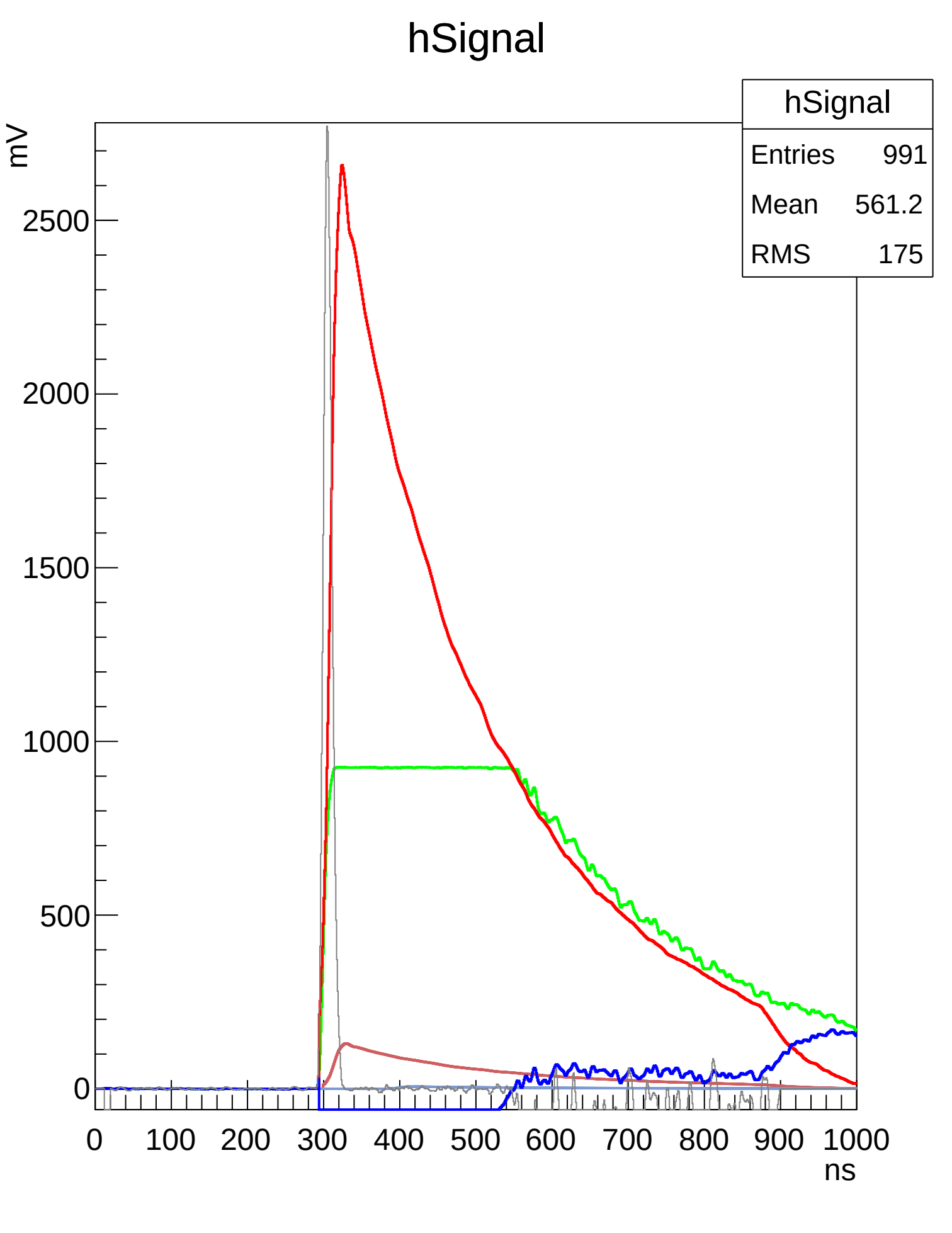

hSignal
hSignal
Entries 991
Mean 612.4
RMS 154.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

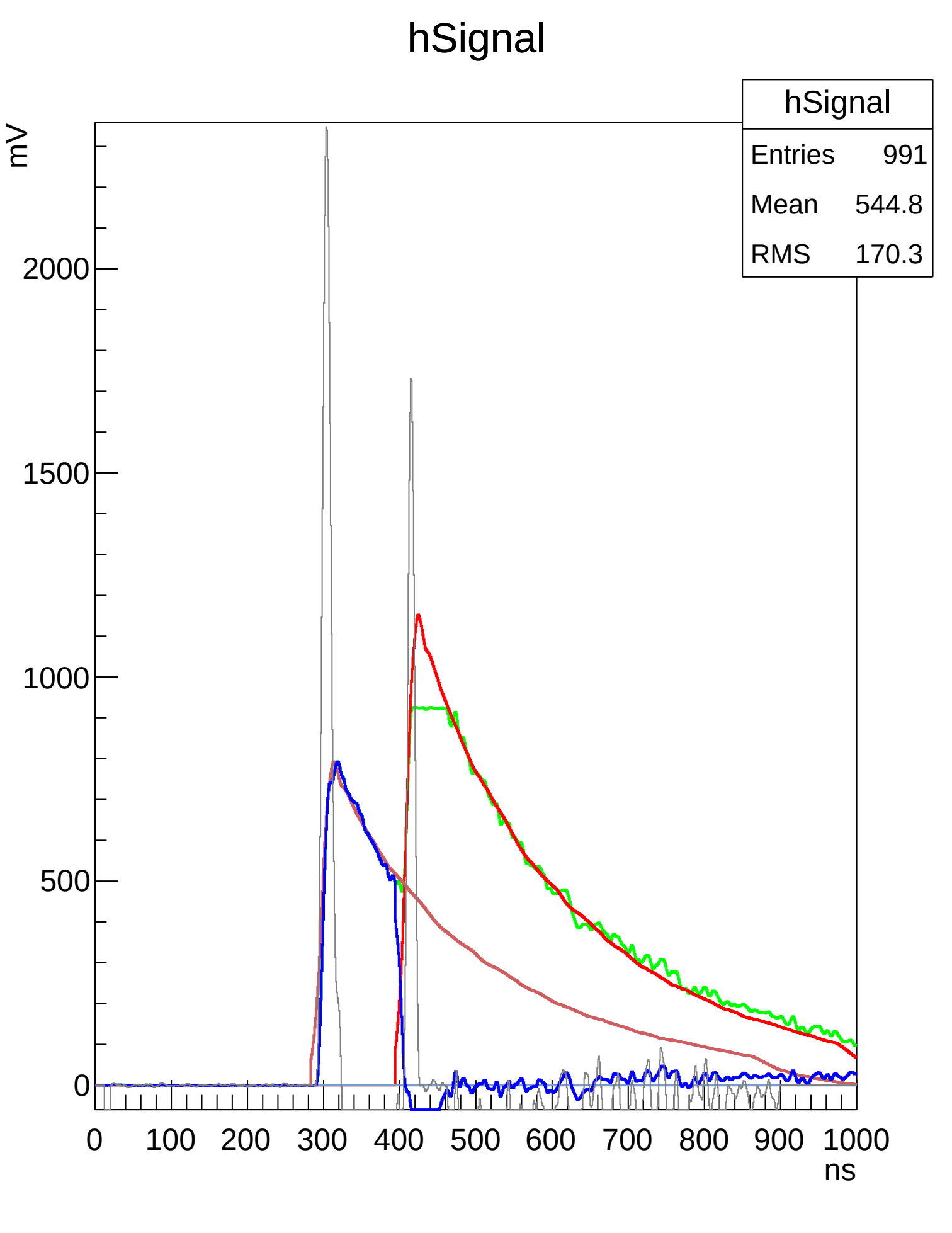

hSignal
hSignal
Entries 991
Mean 611.1
RMS 125.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

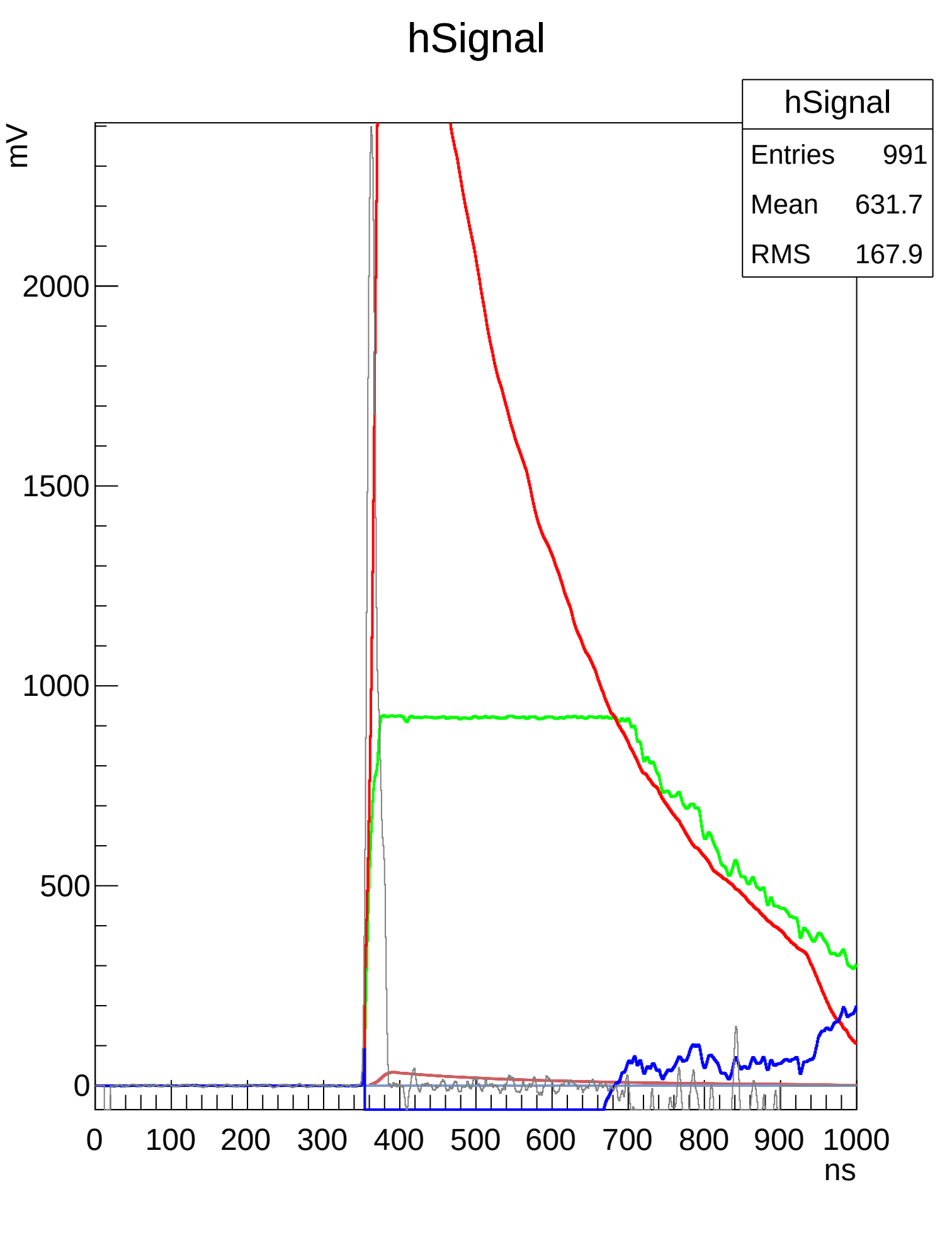

hSignal
hSignal
Entries 991
Mean 630.6
RMS 145
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

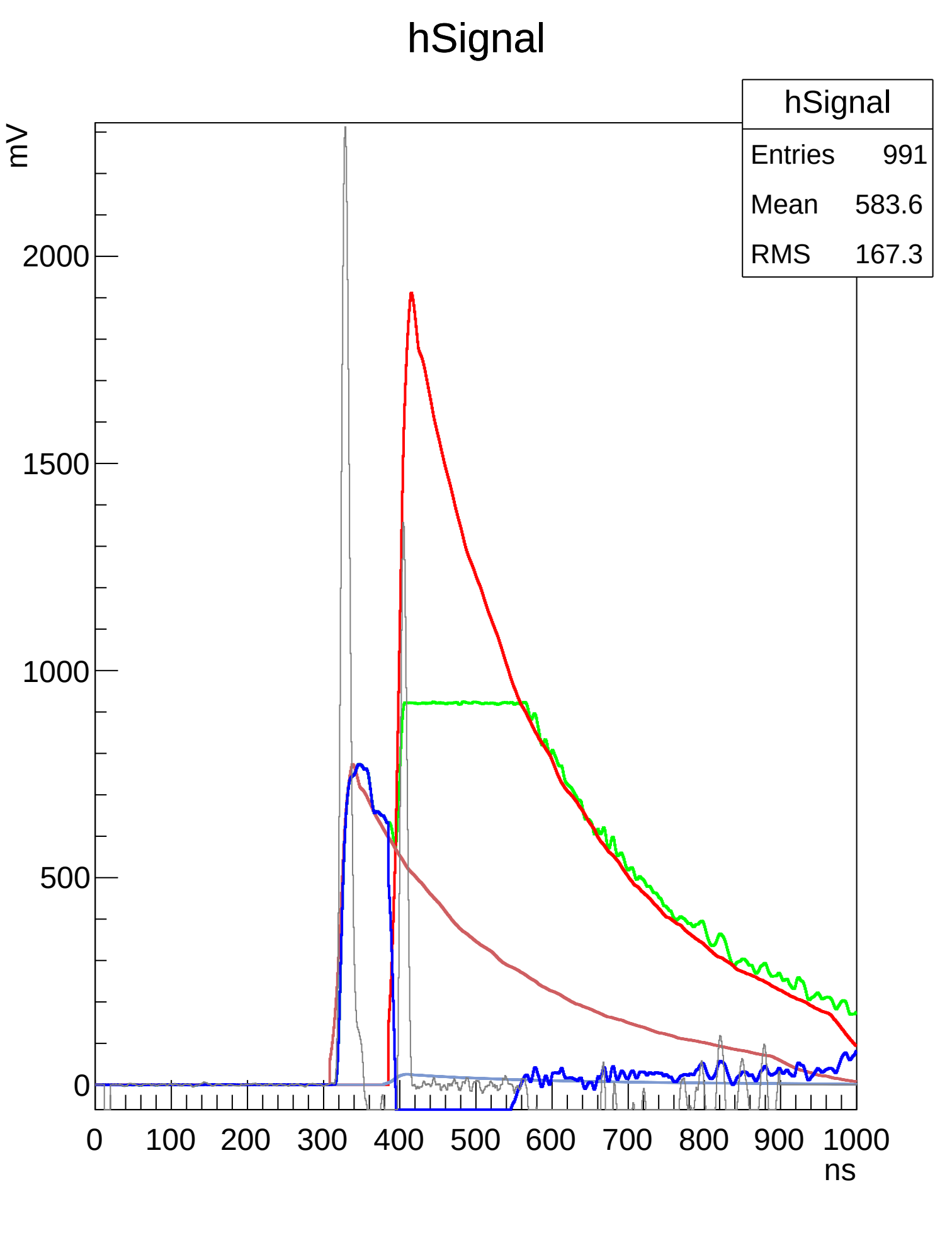

hSignal
hSignal
Entries 991
Mean 569.3
RMS 163.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

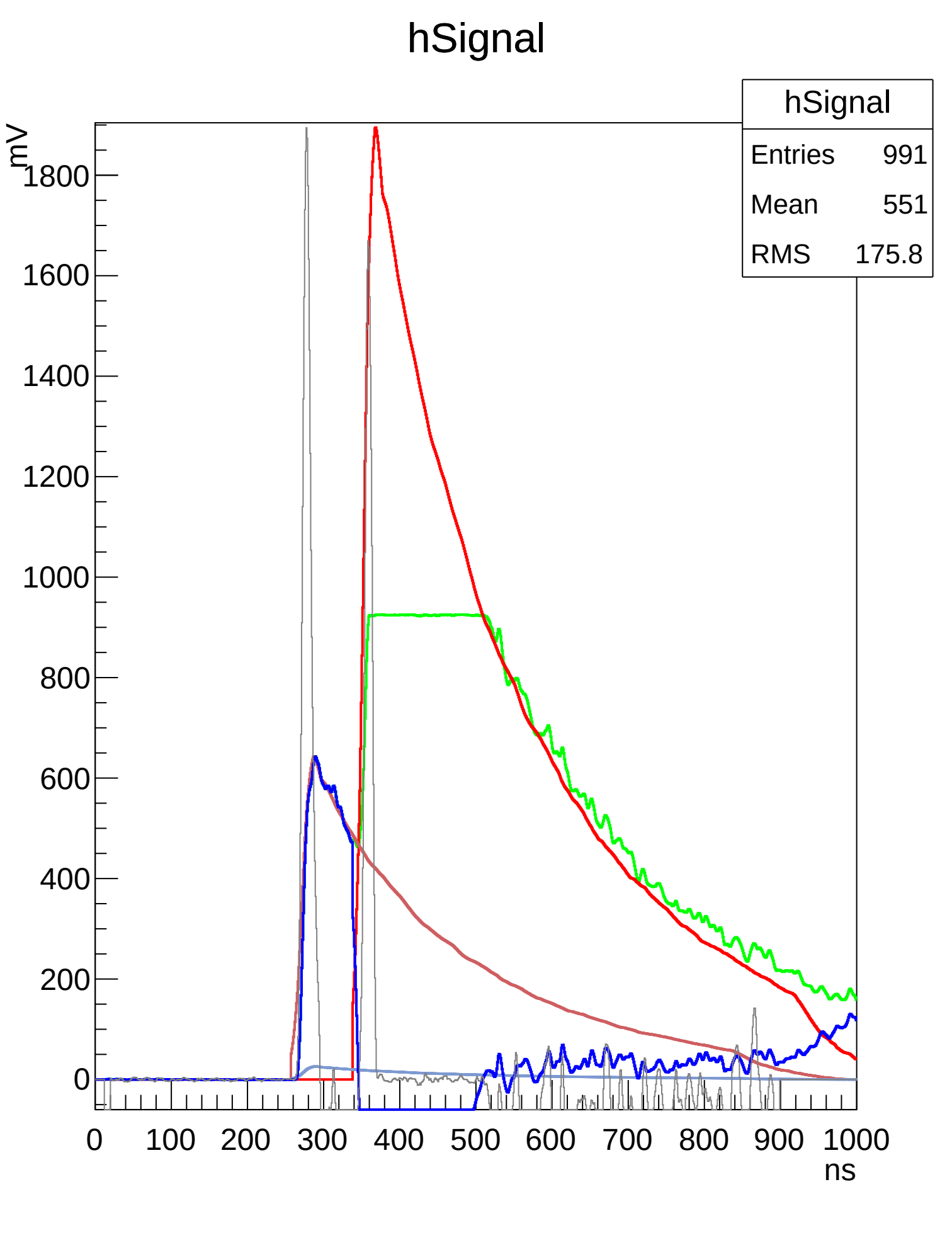

hSignal
hSignal
Entries 991
Mean 573.4
RMS 162.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

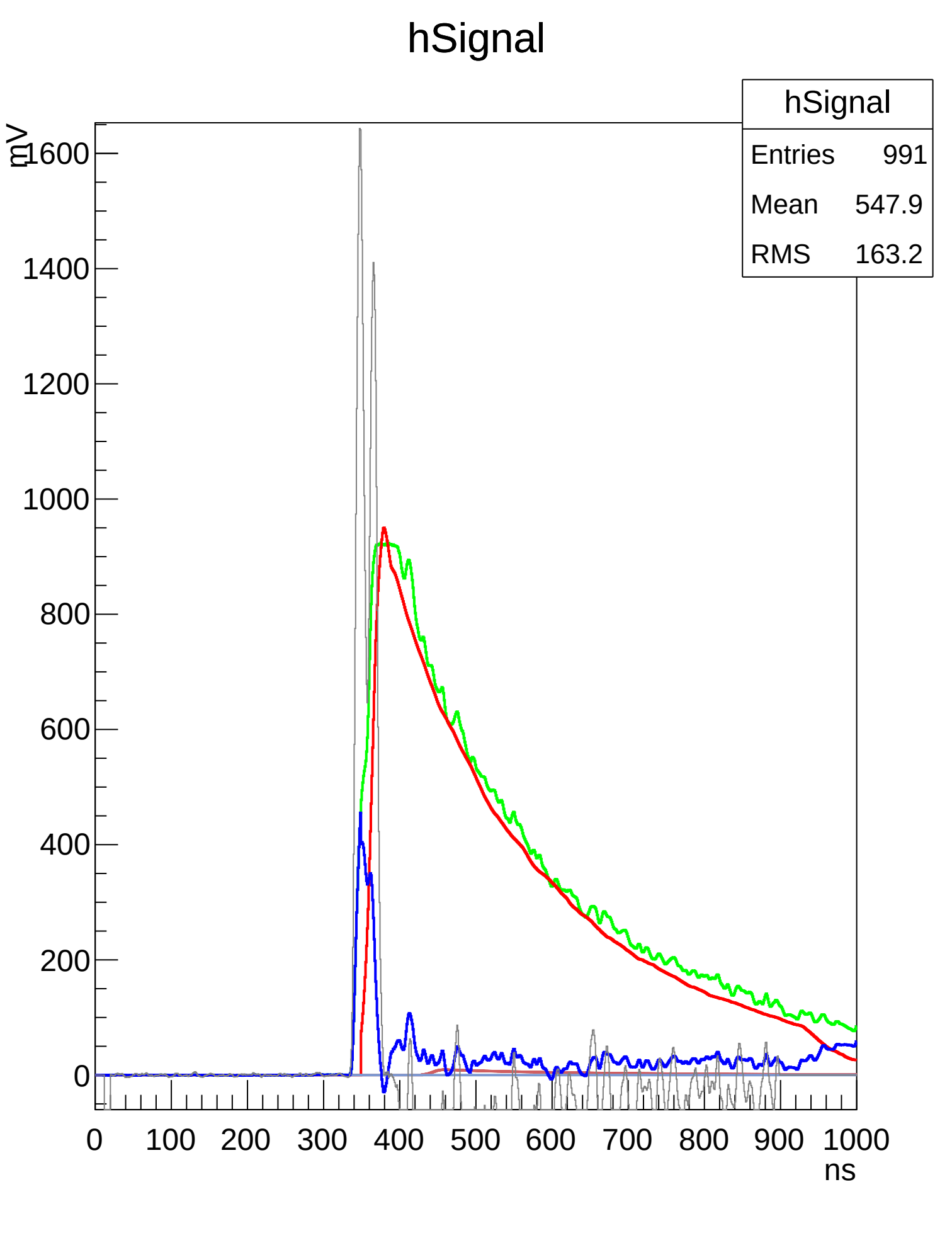

hSignal
hSignal
Entries 991
Mean 561.2
RMS 175
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

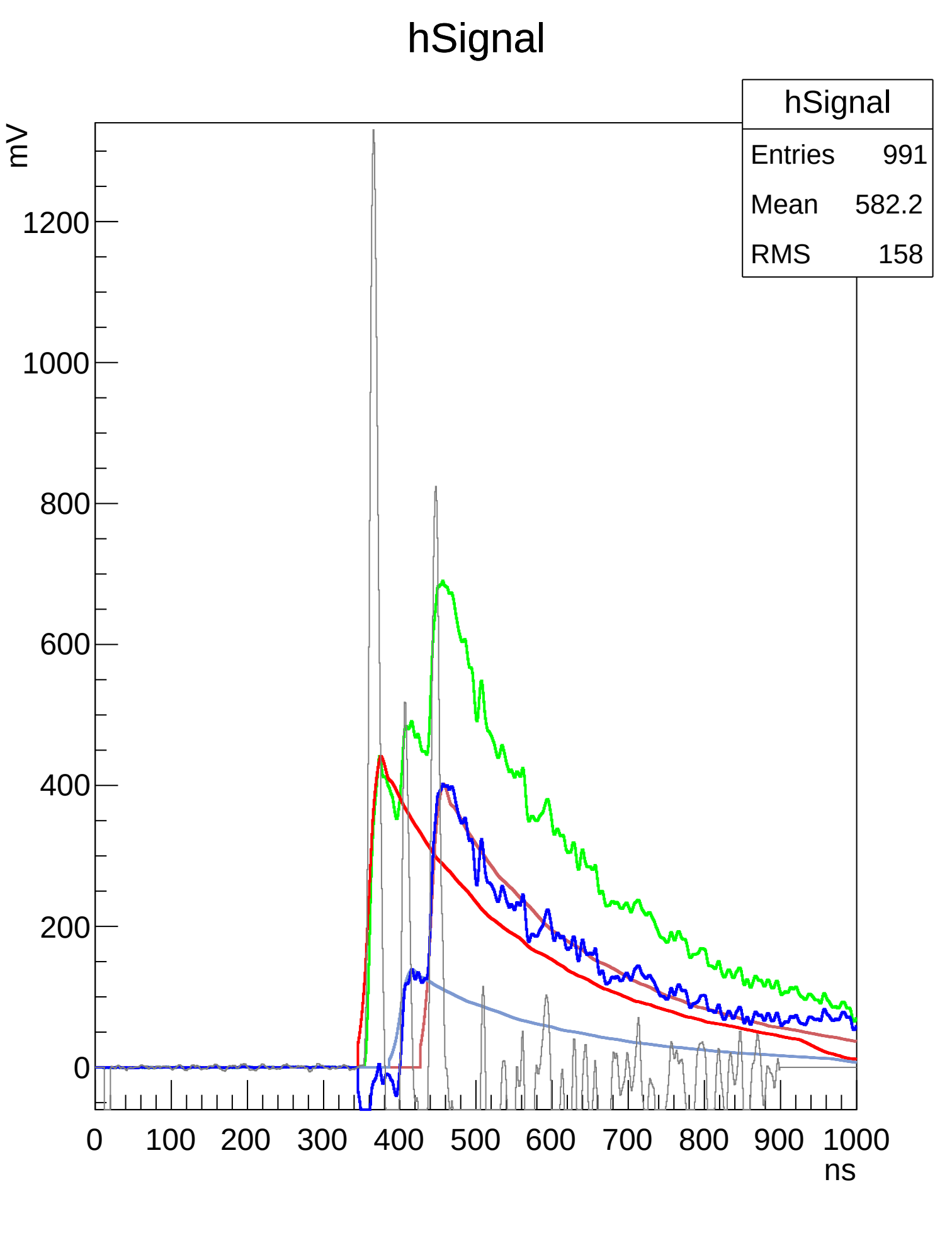

hSignal
hSignal
Entries 991
Mean 544.8
RMS 170.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

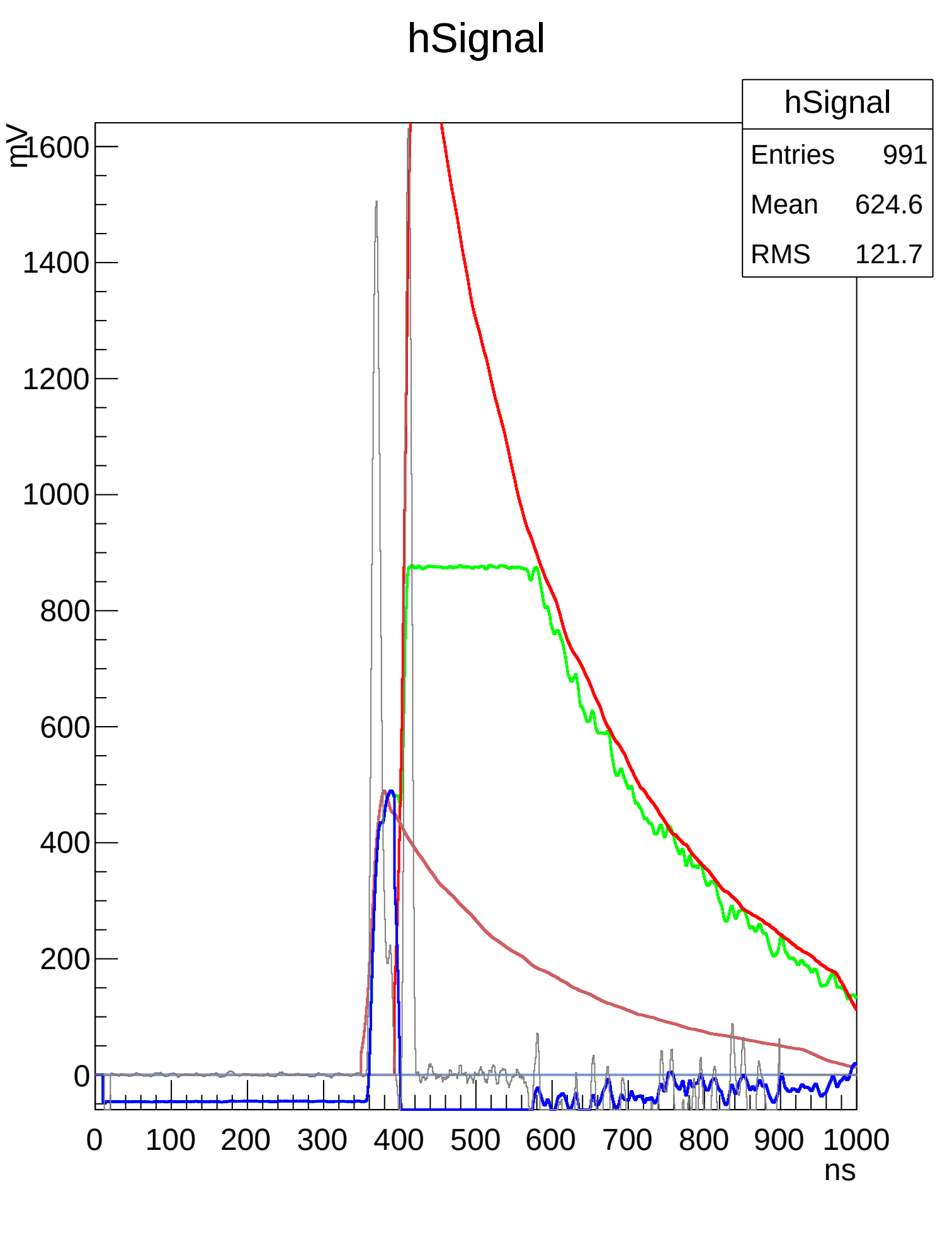

hSignal
hSignal
Entries 991
Mean 631.7
RMS 167.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

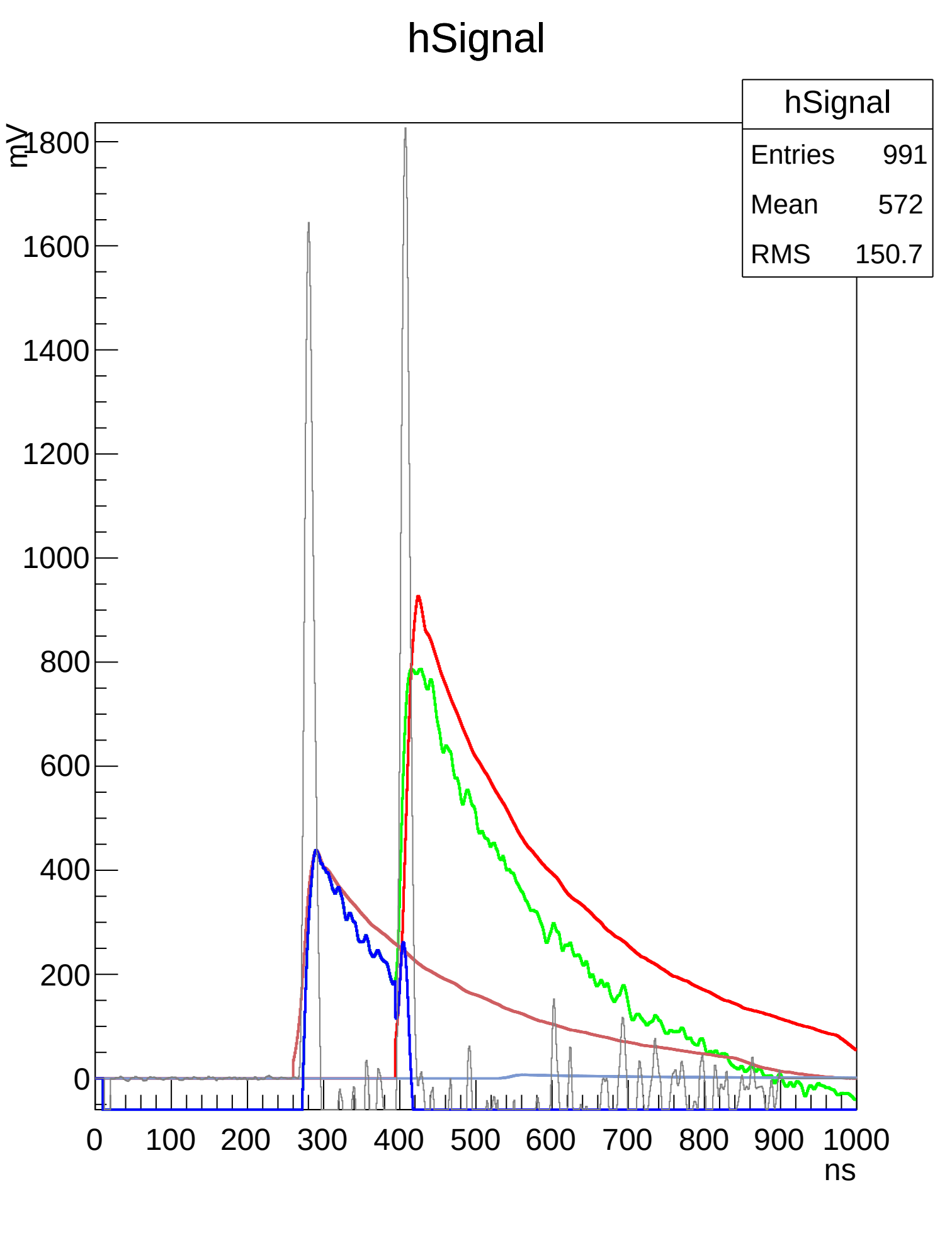

hSignal
hSignal
Entries 991
Mean 583.6
RMS 167.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

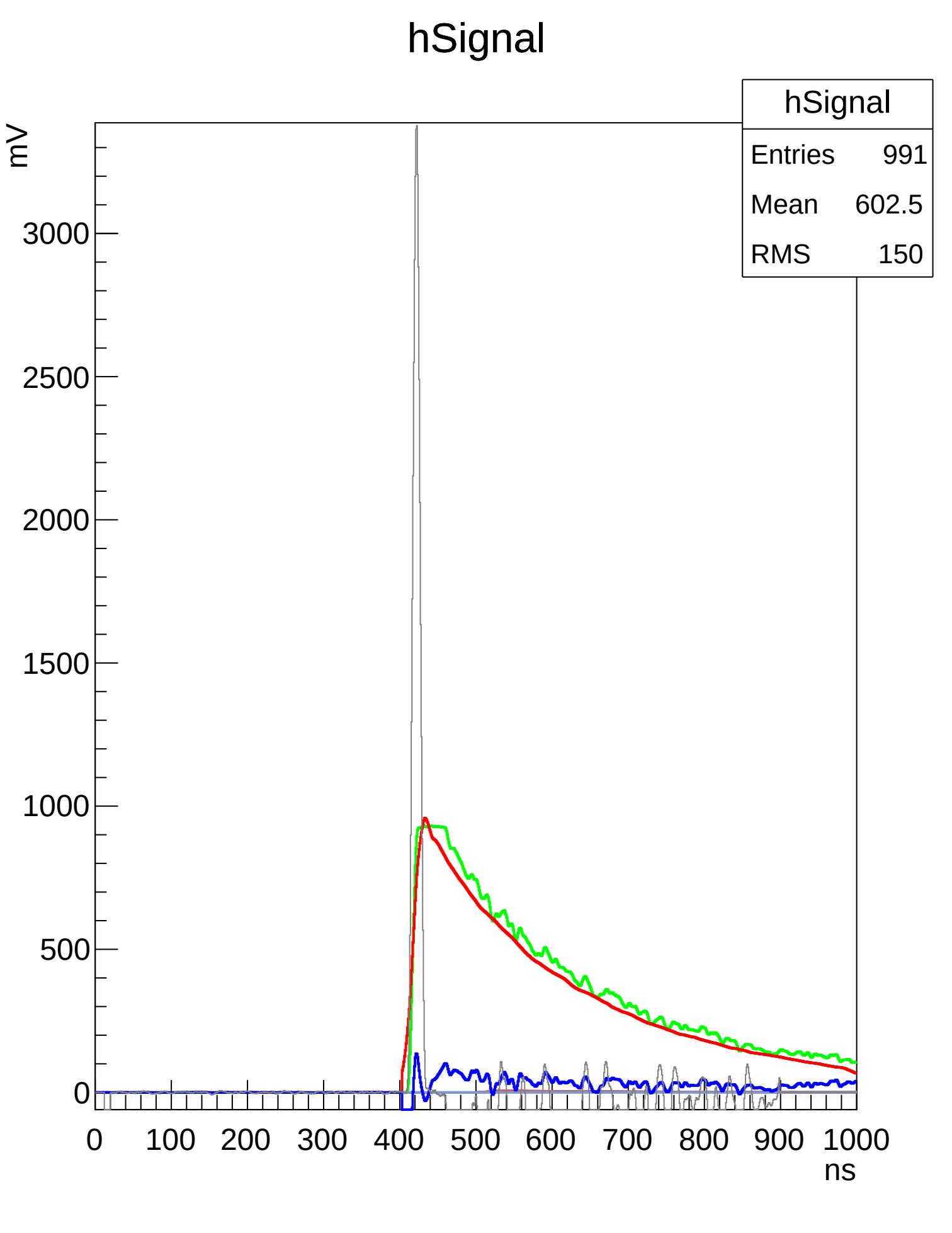

hSignal
hSignal
Entries 991
Mean 551
RMS 175.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

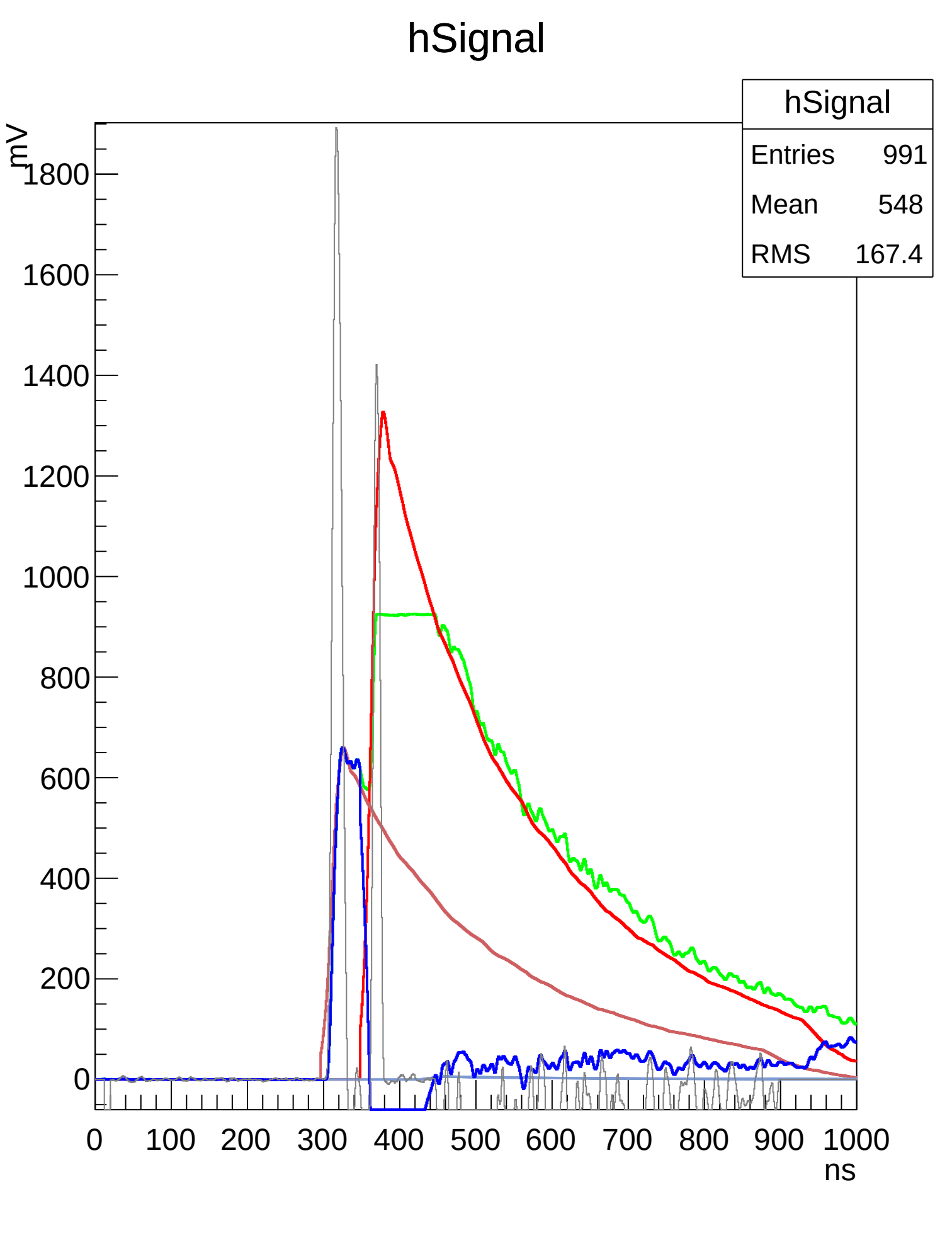

hSignal
hSignal
Entries 991
Mean 547.9
RMS 163.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

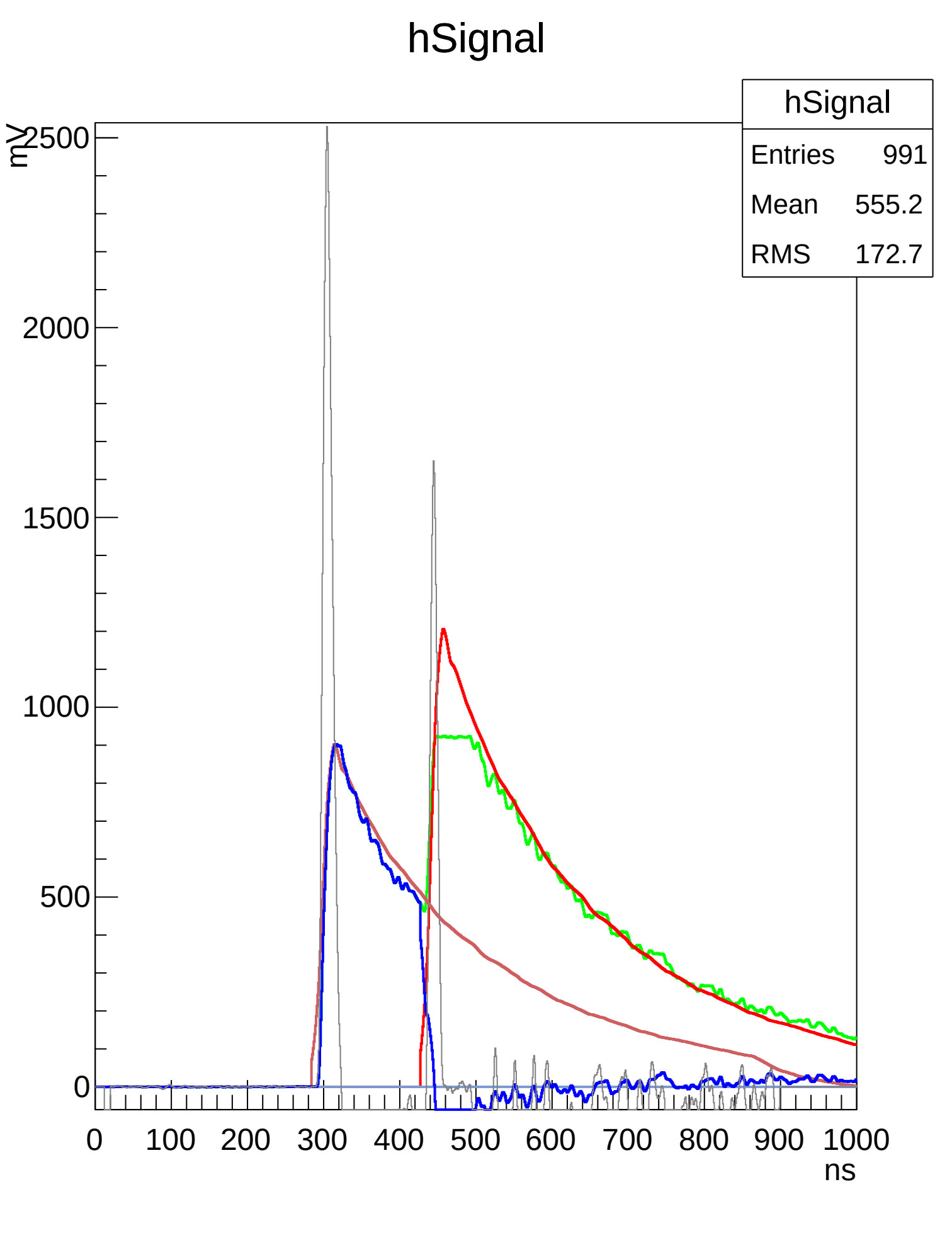

hSignal
hSignal
Entries 991
Mean 582.2
RMS 158
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

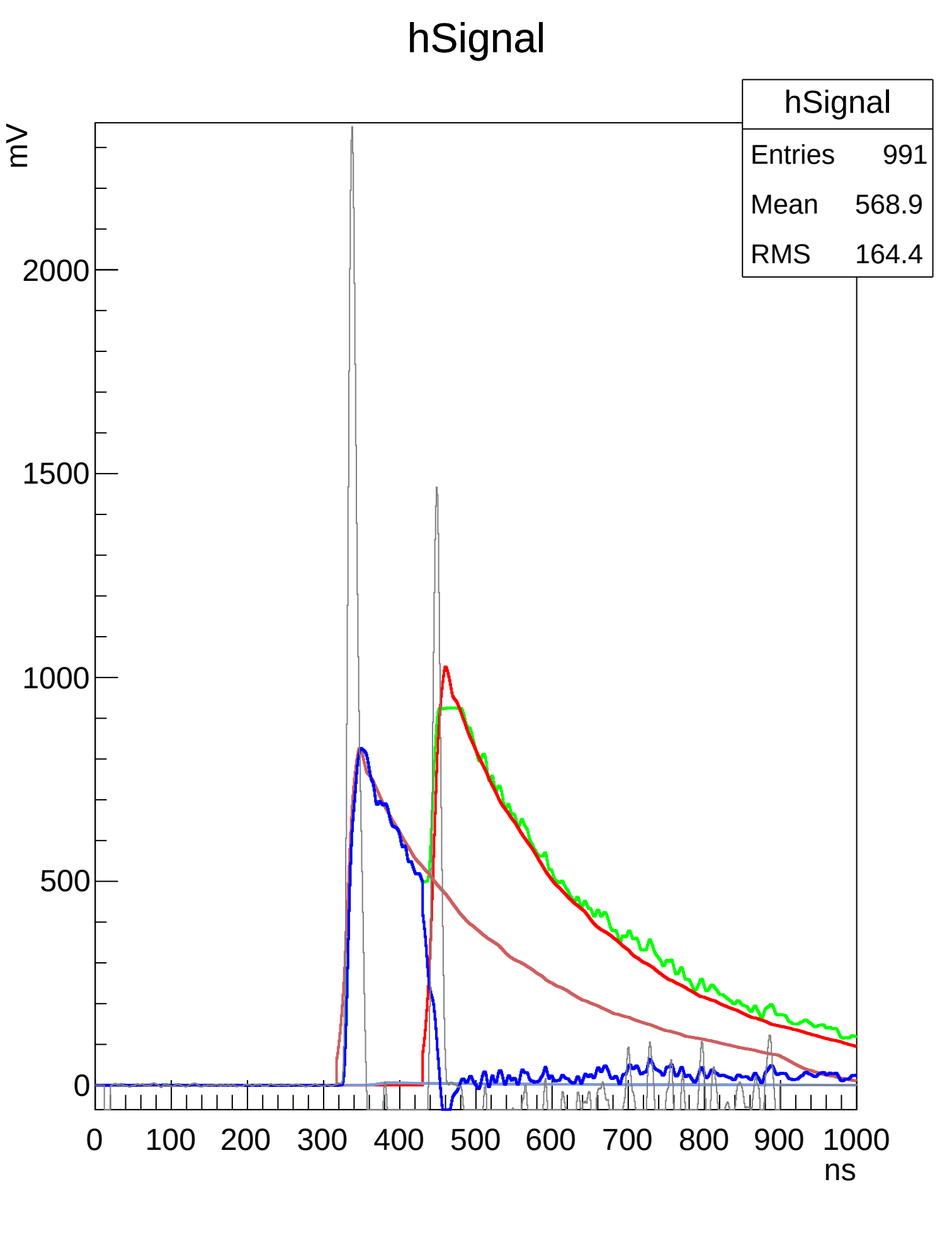

hSignal
hSignal
Entries 991
Mean 624.6
RMS 121.7
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

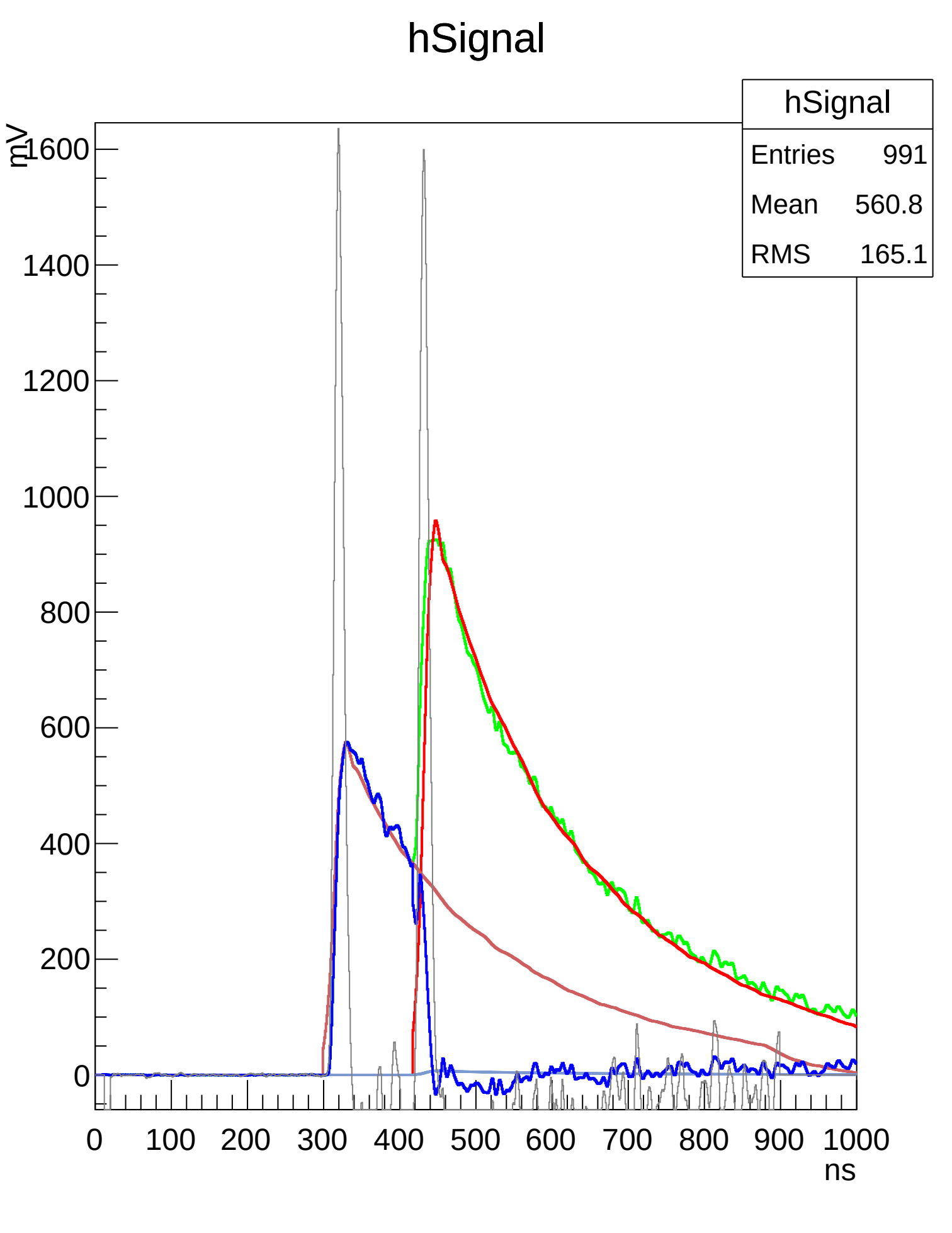

hSignal
hSignal
Entries 991
Mean 572
RMS 150.7
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

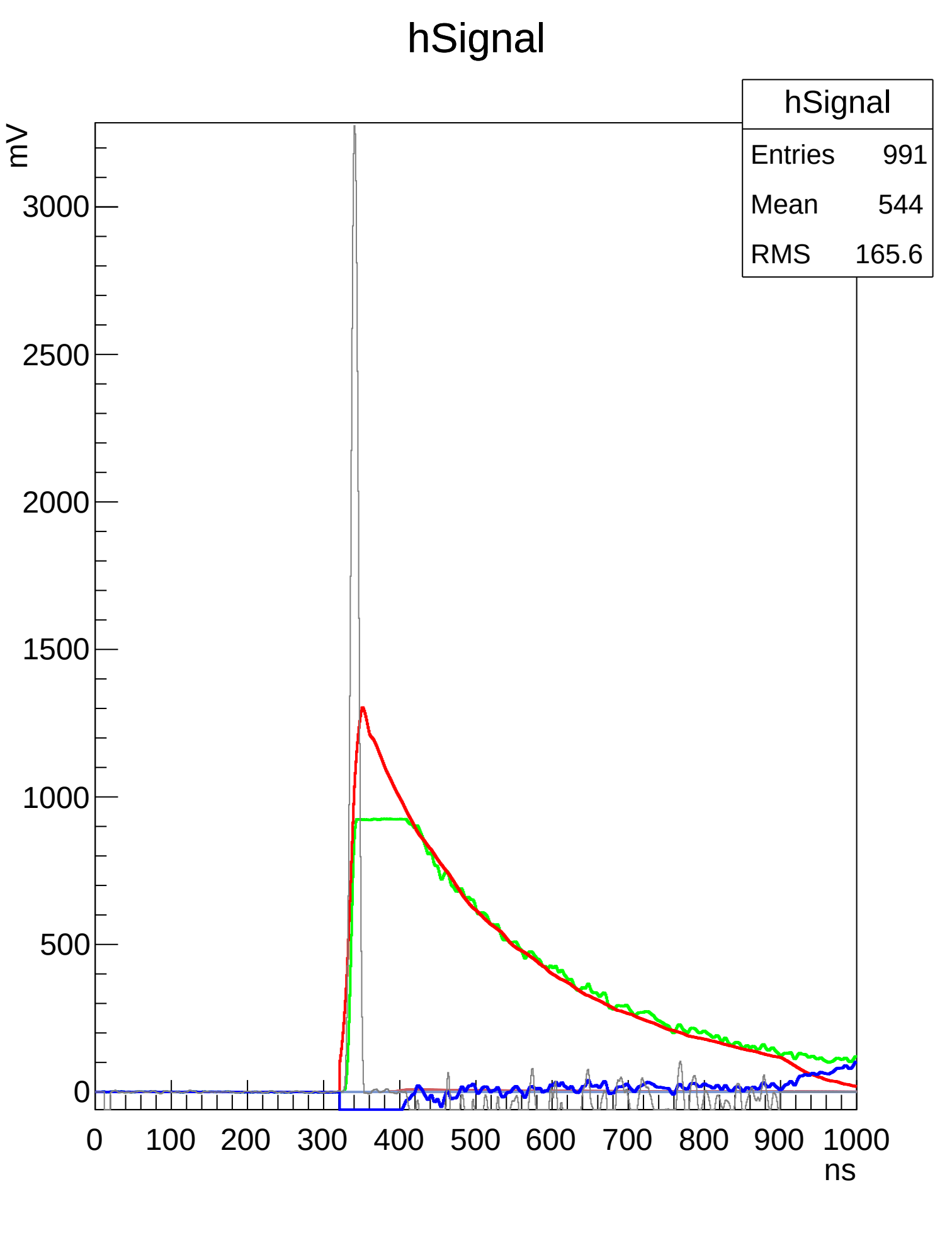

hSignal
hSignal
Entries 991
Mean 602.5
RMS 150
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

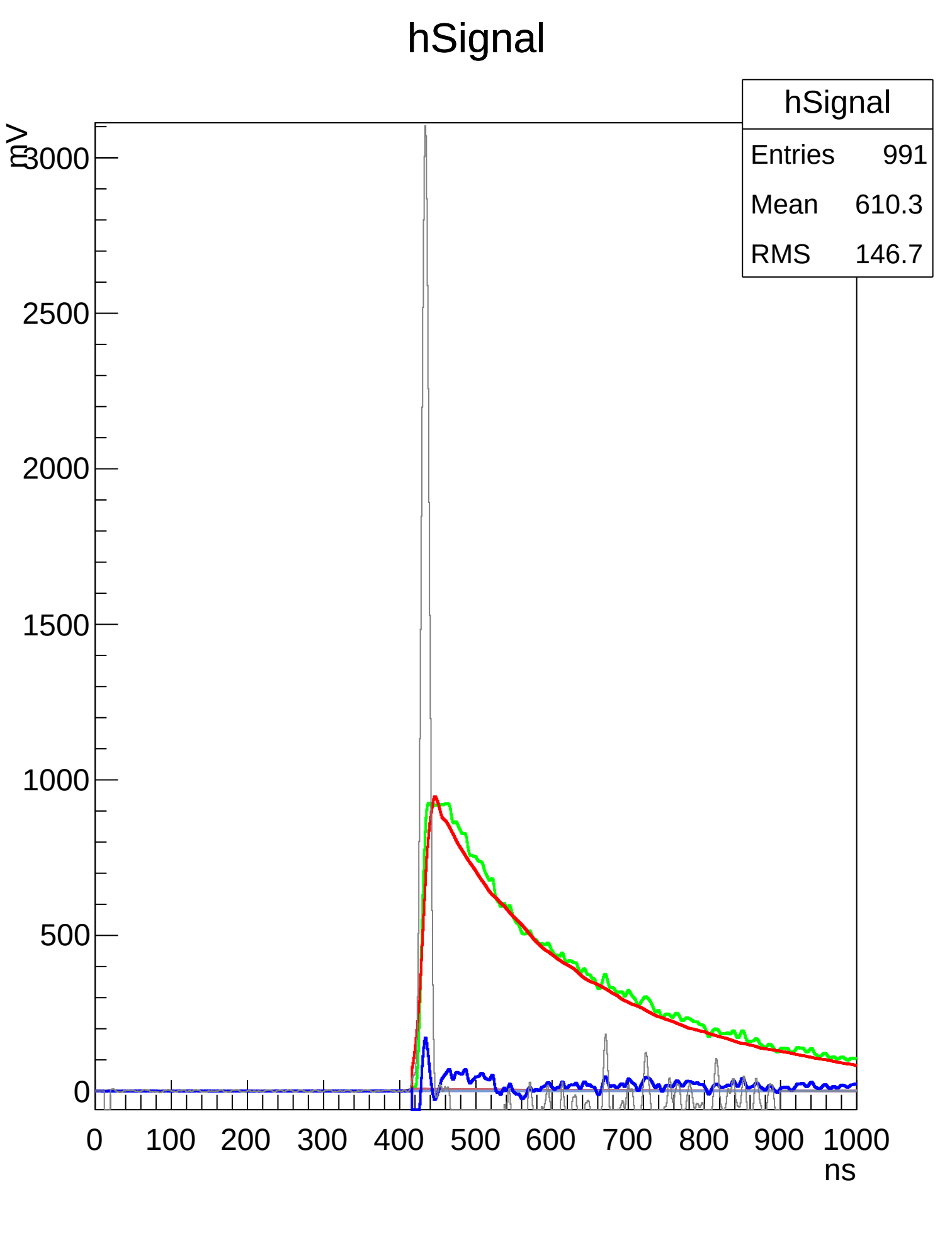

hSignal
hSignal
Entries 991
Mean 548
RMS 167.4
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

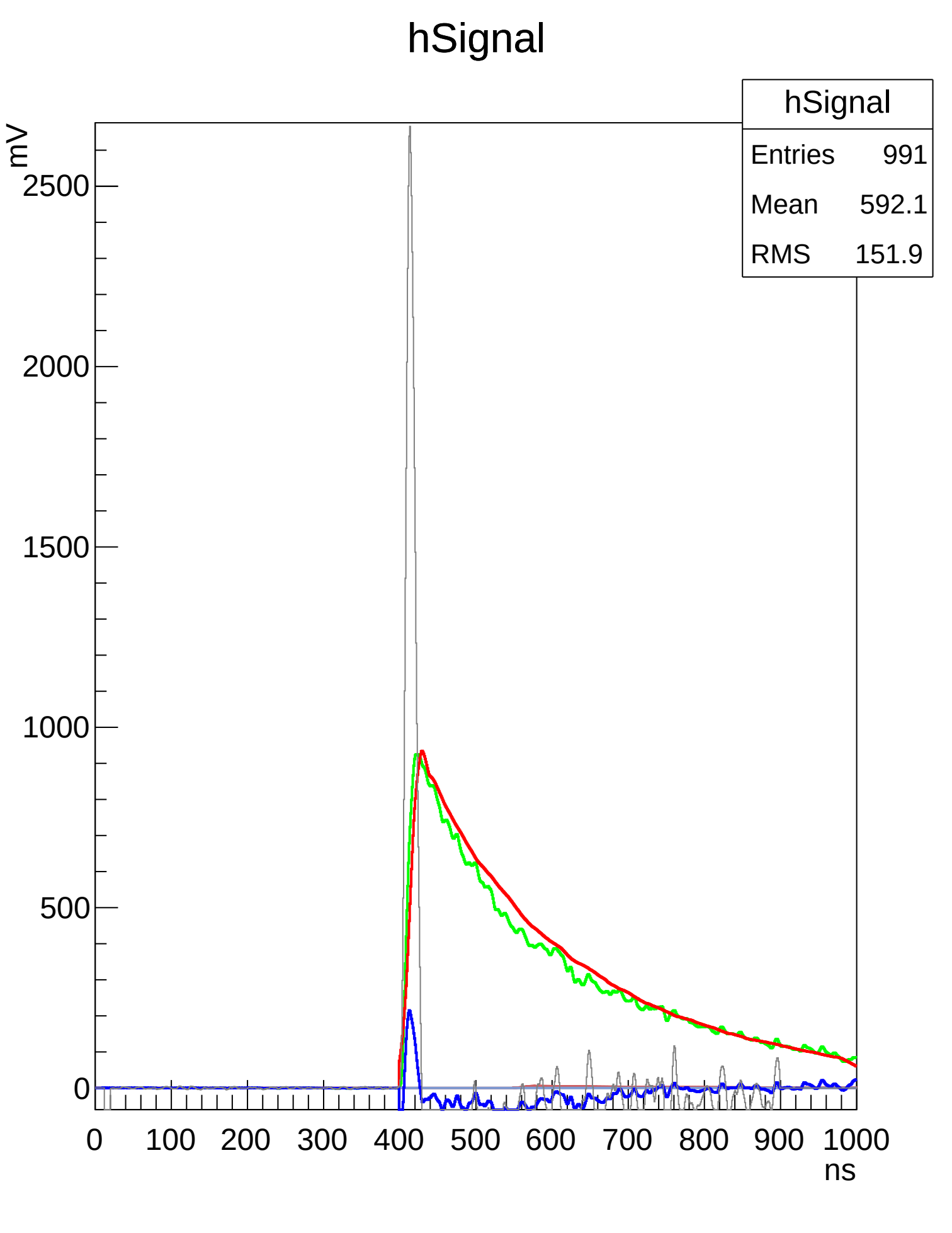

hSignal
hSignal
Entries 991
Mean 555.2
RMS 172.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

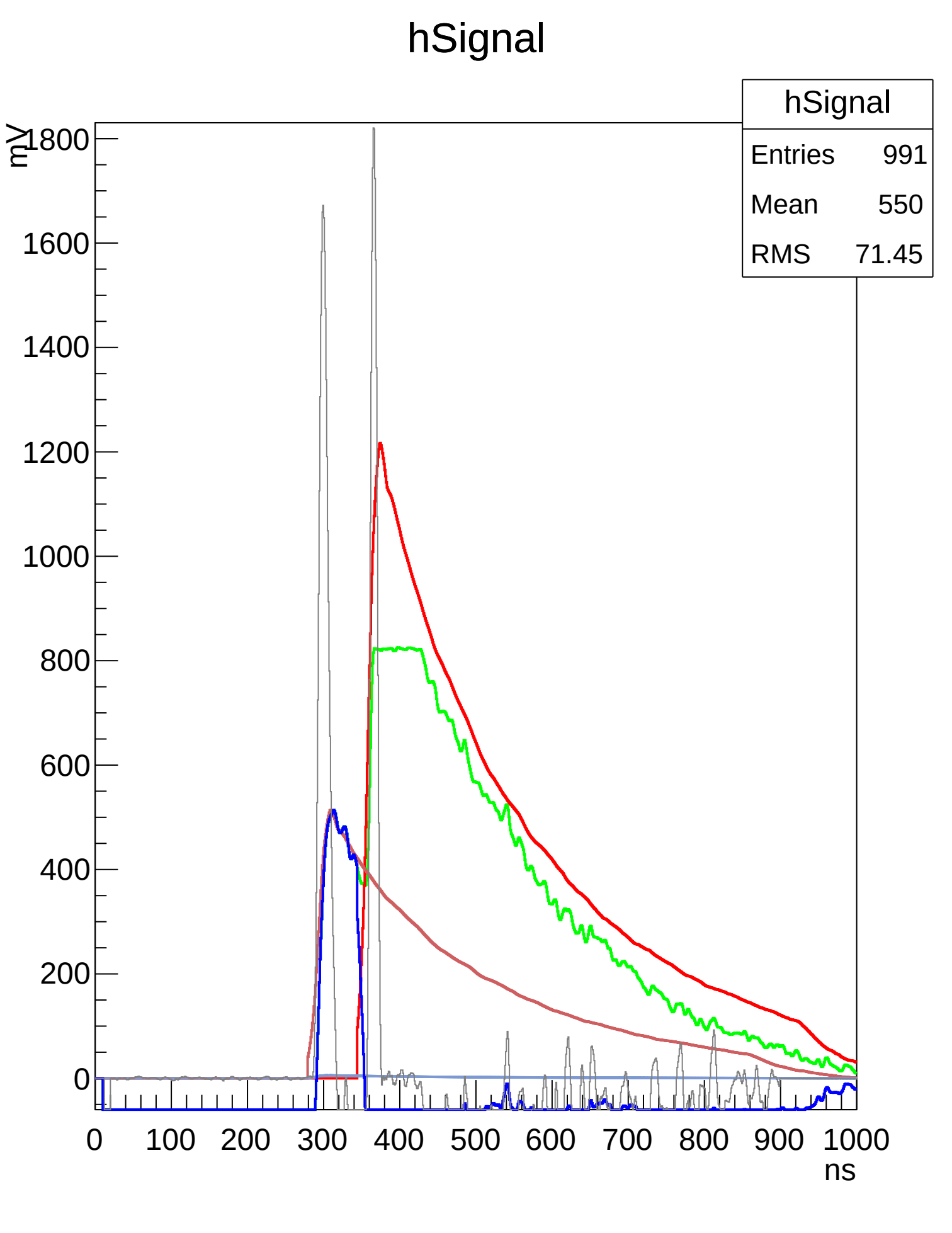

hSignal
hSignal
Entries 991
Mean 568.9
RMS 164.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

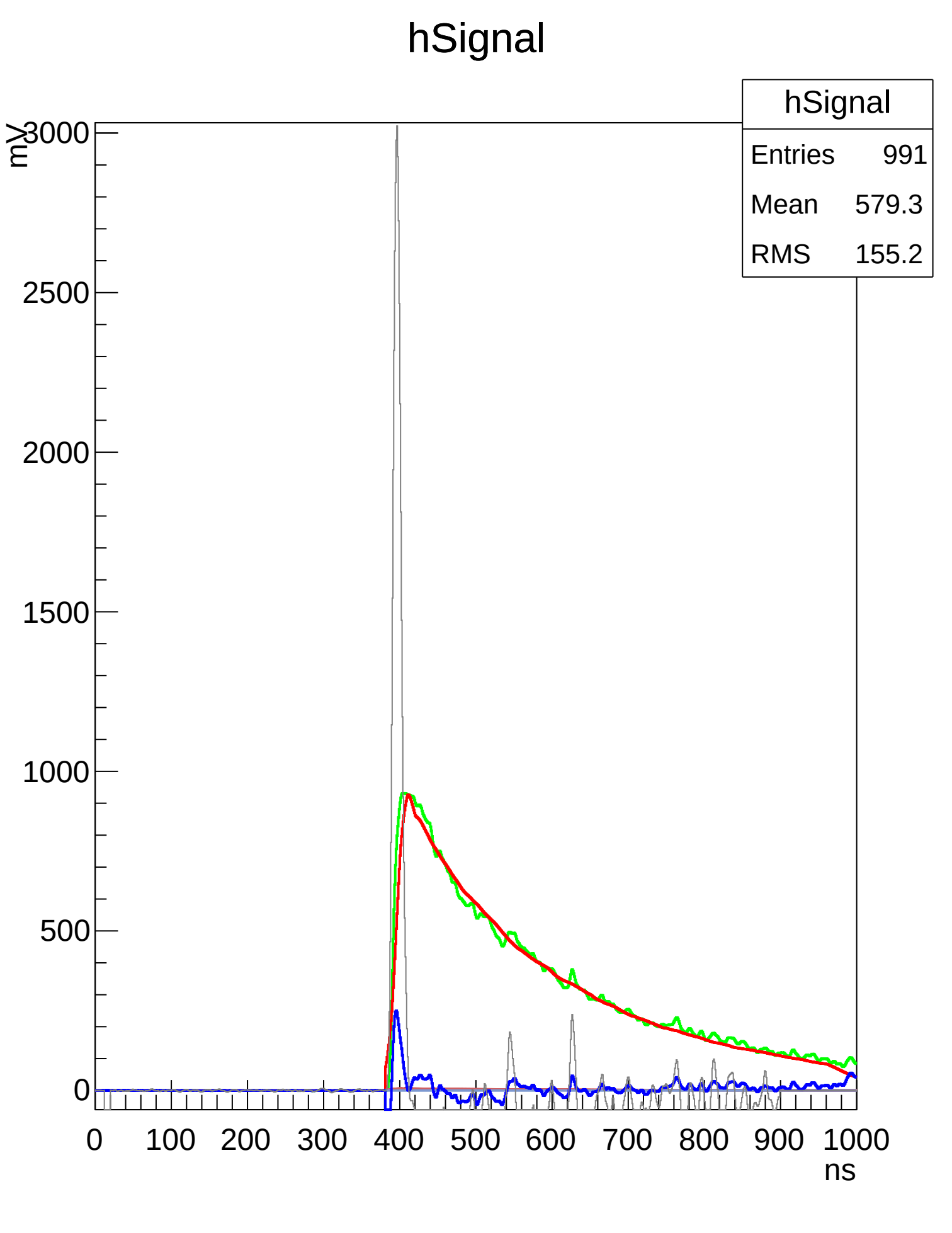

hSignal
hSignal
Entries 991
Mean 560.8
RMS 165.1
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

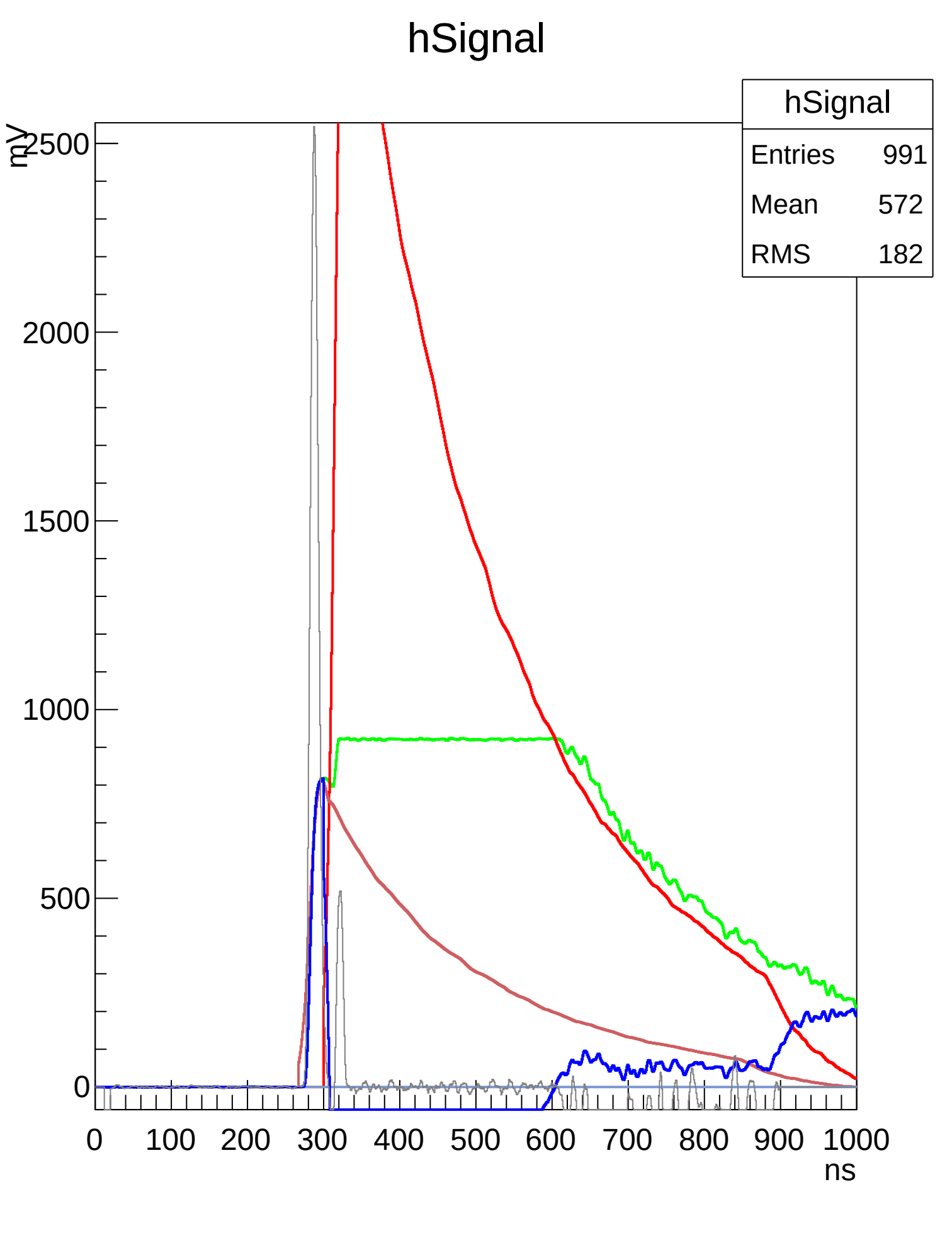

hSignal
hSignal
Entries 991
Mean 544
RMS 165.6
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

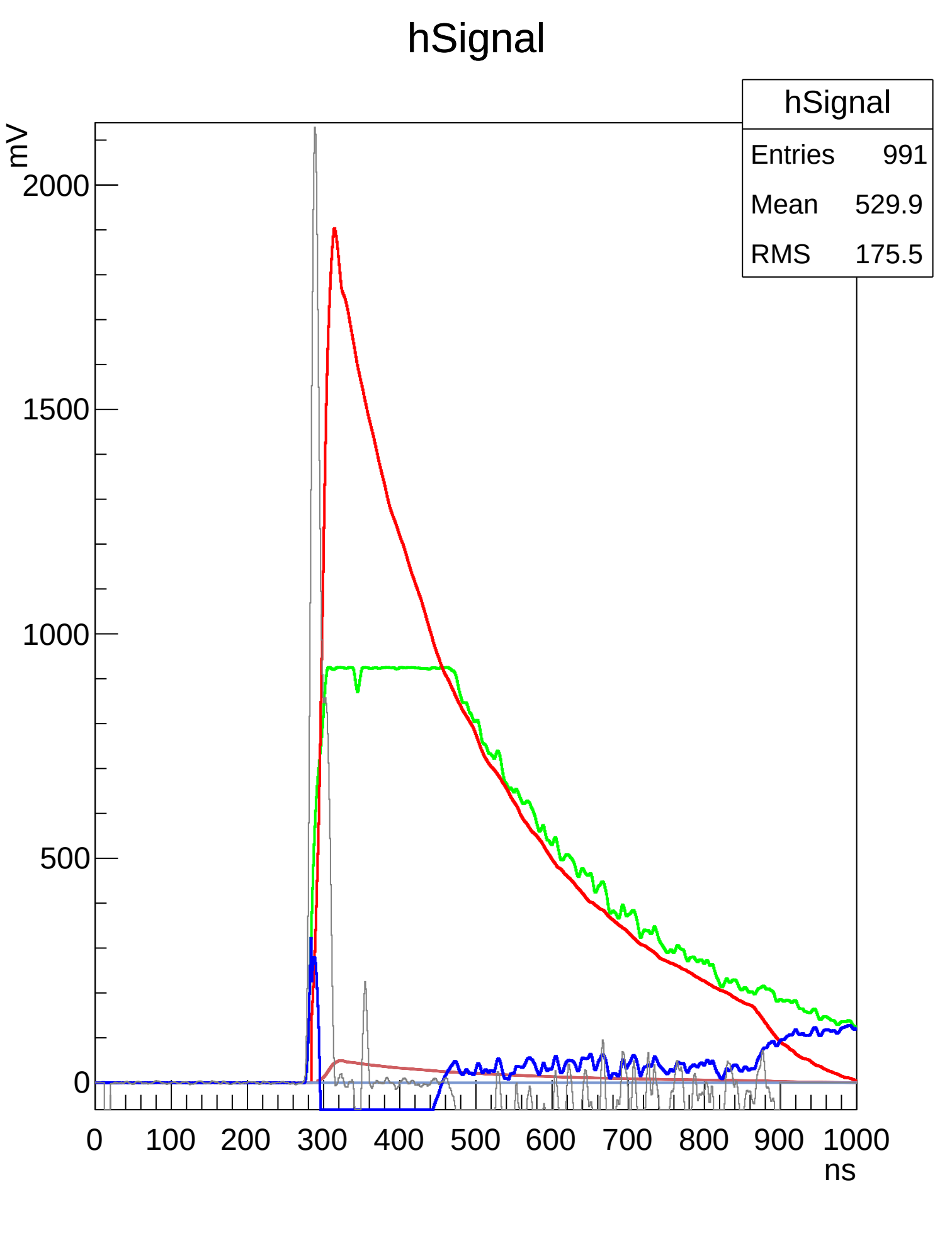

hSignal
hSignal
Entries 991
Mean 610.3
RMS 146.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

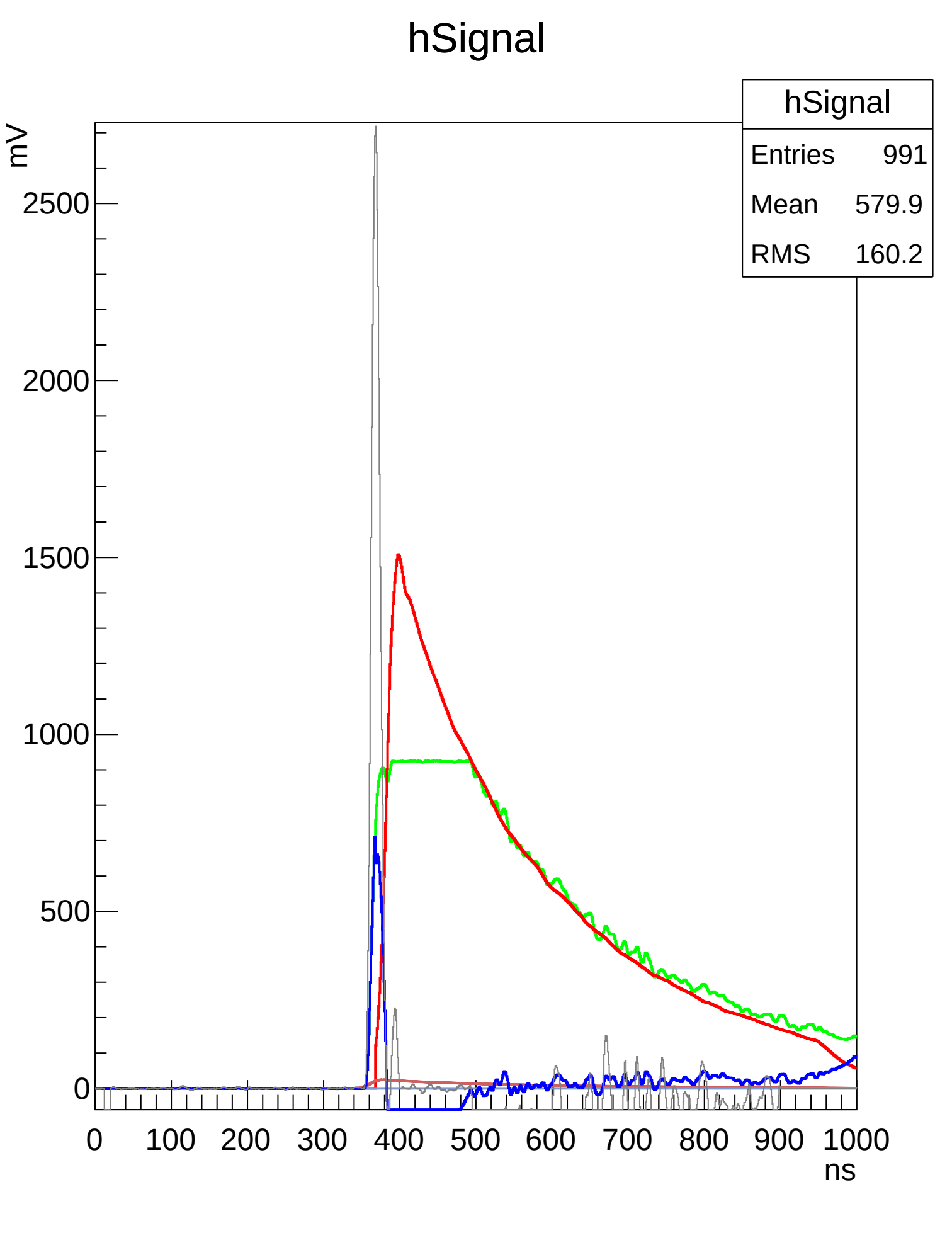

hSignal
hSignal
Entries 991
Mean 592.1
RMS 151.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

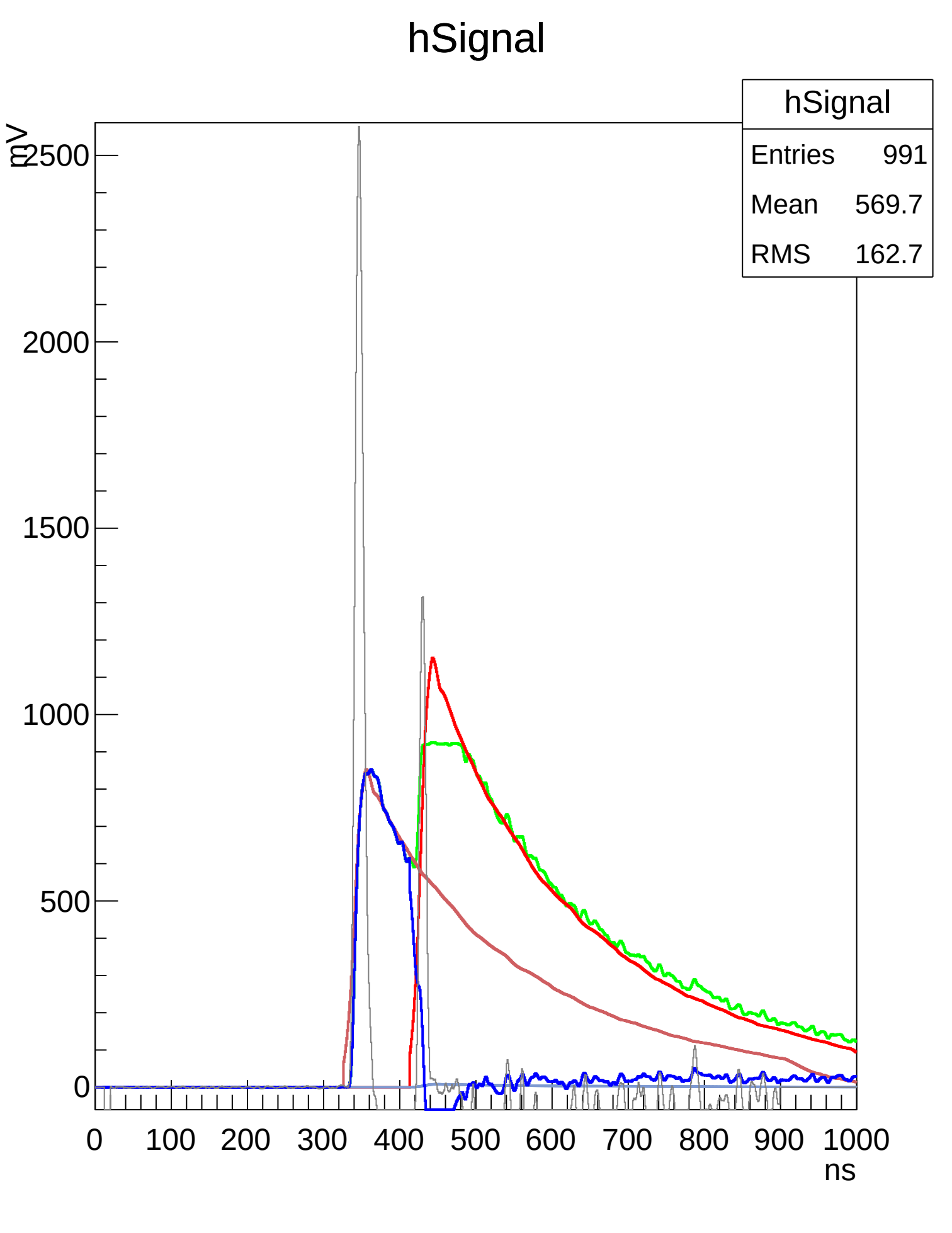

hSignal
hSignal
Entries 991
Mean 550
RMS 71.45
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

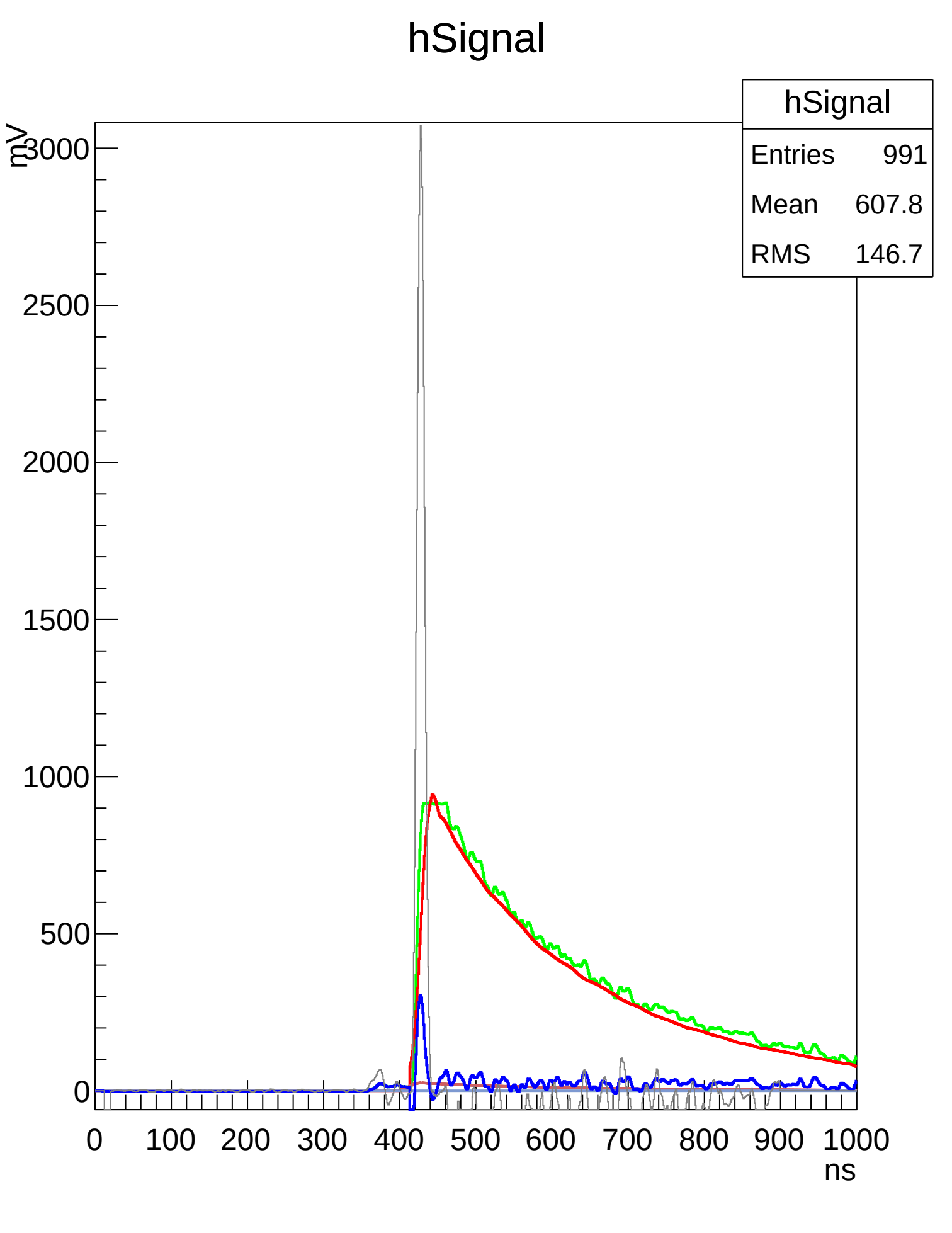

hSignal
hSignal
Entries 991
Mean 579.3
RMS 155.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

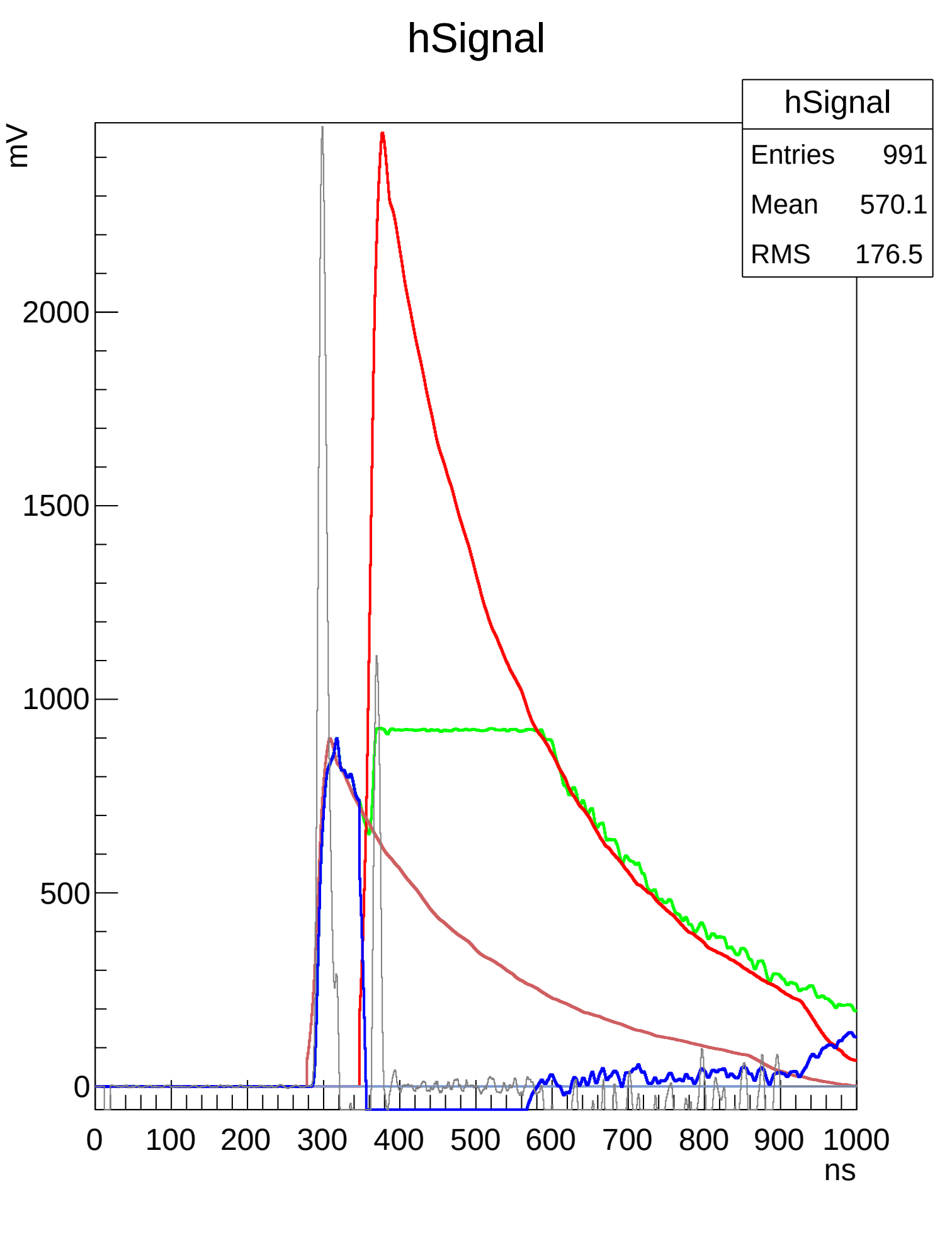

hSignal
hSignal
Entries 991
Mean 572
RMS 182
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

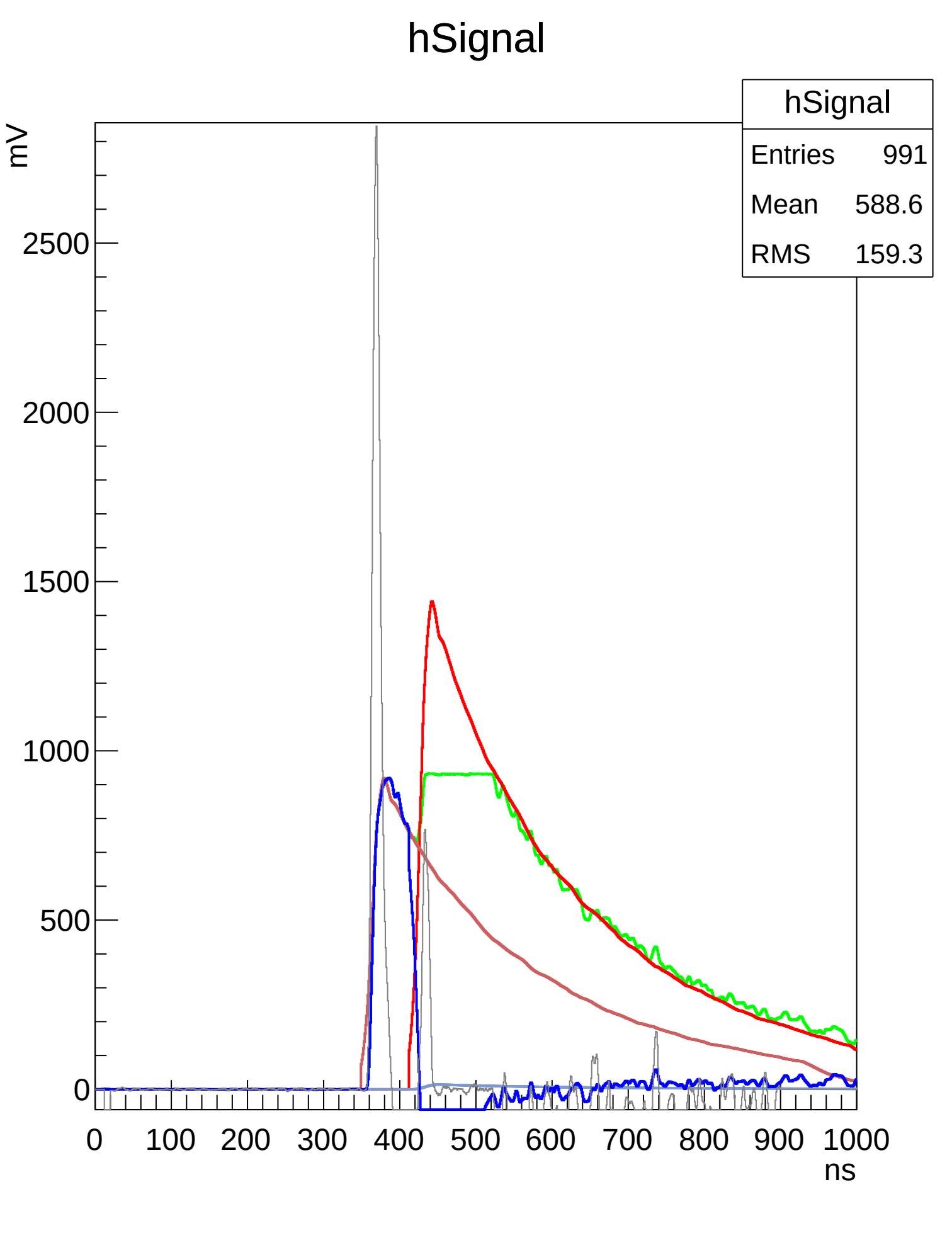

hSignal
hSignal
Entries 991
Mean 529.9
RMS 175.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

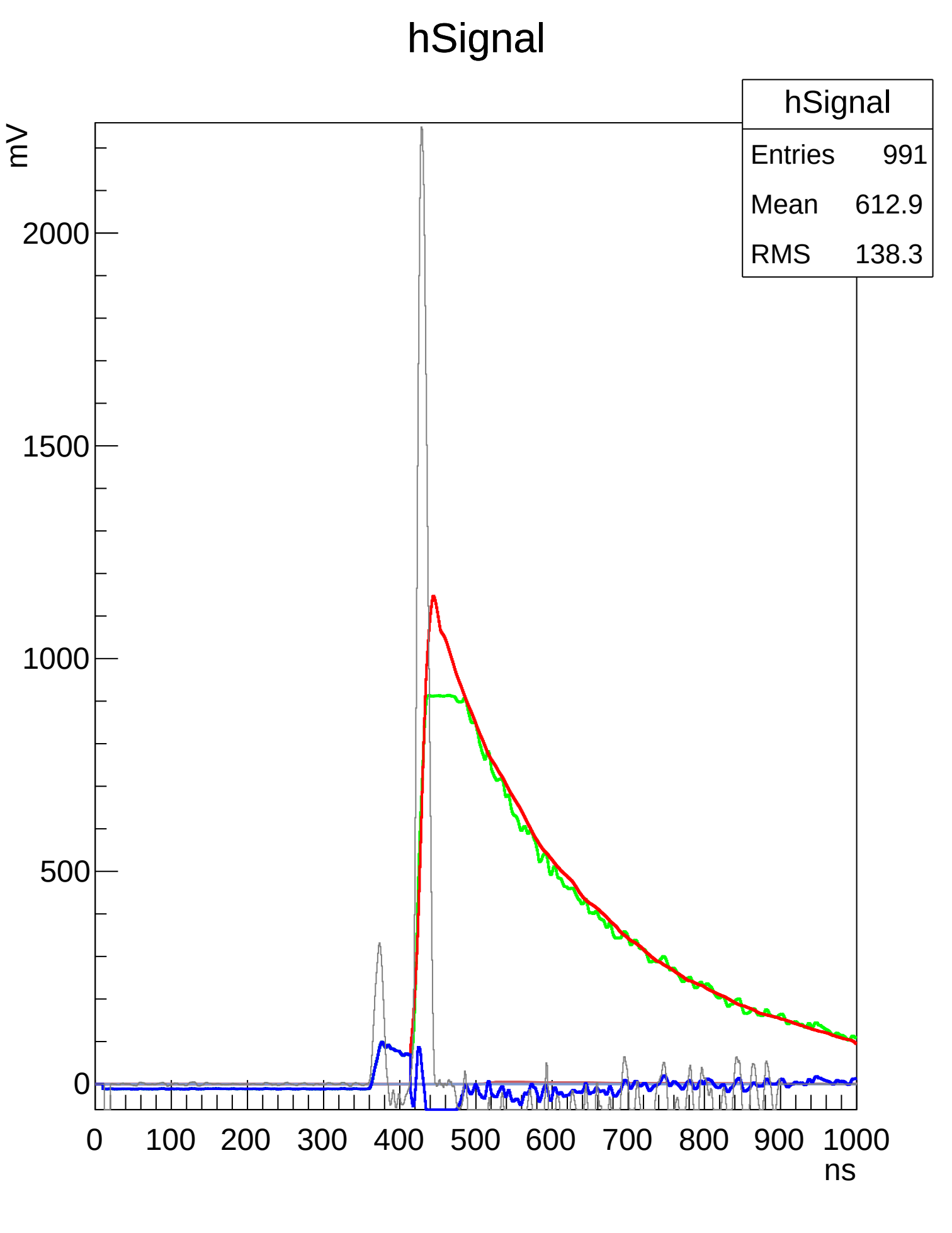

hSignal
hSignal
Entries 991
Mean 579.9
RMS 160.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

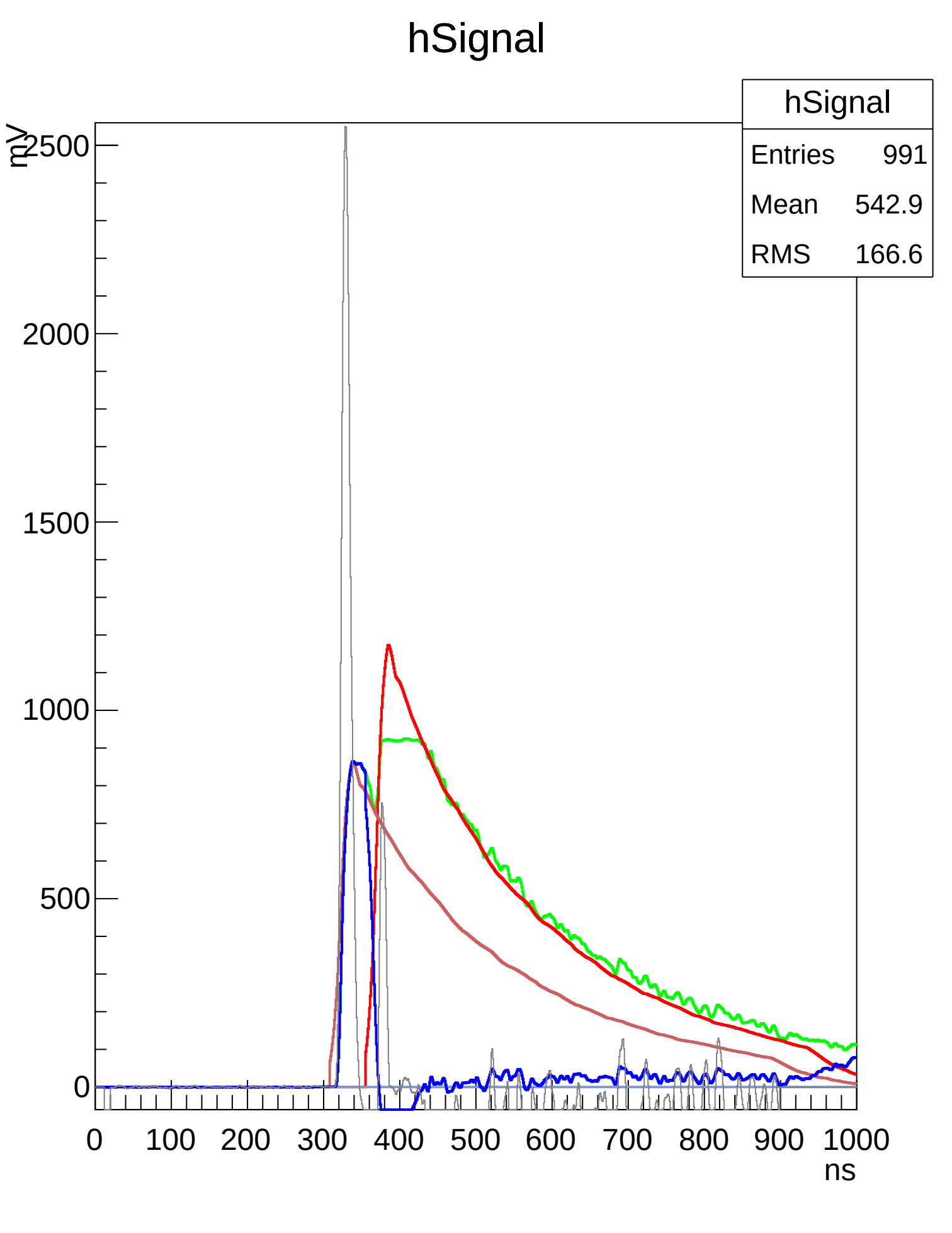

hSignal
hSignal
Entries 991
Mean 569.7
RMS 162.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

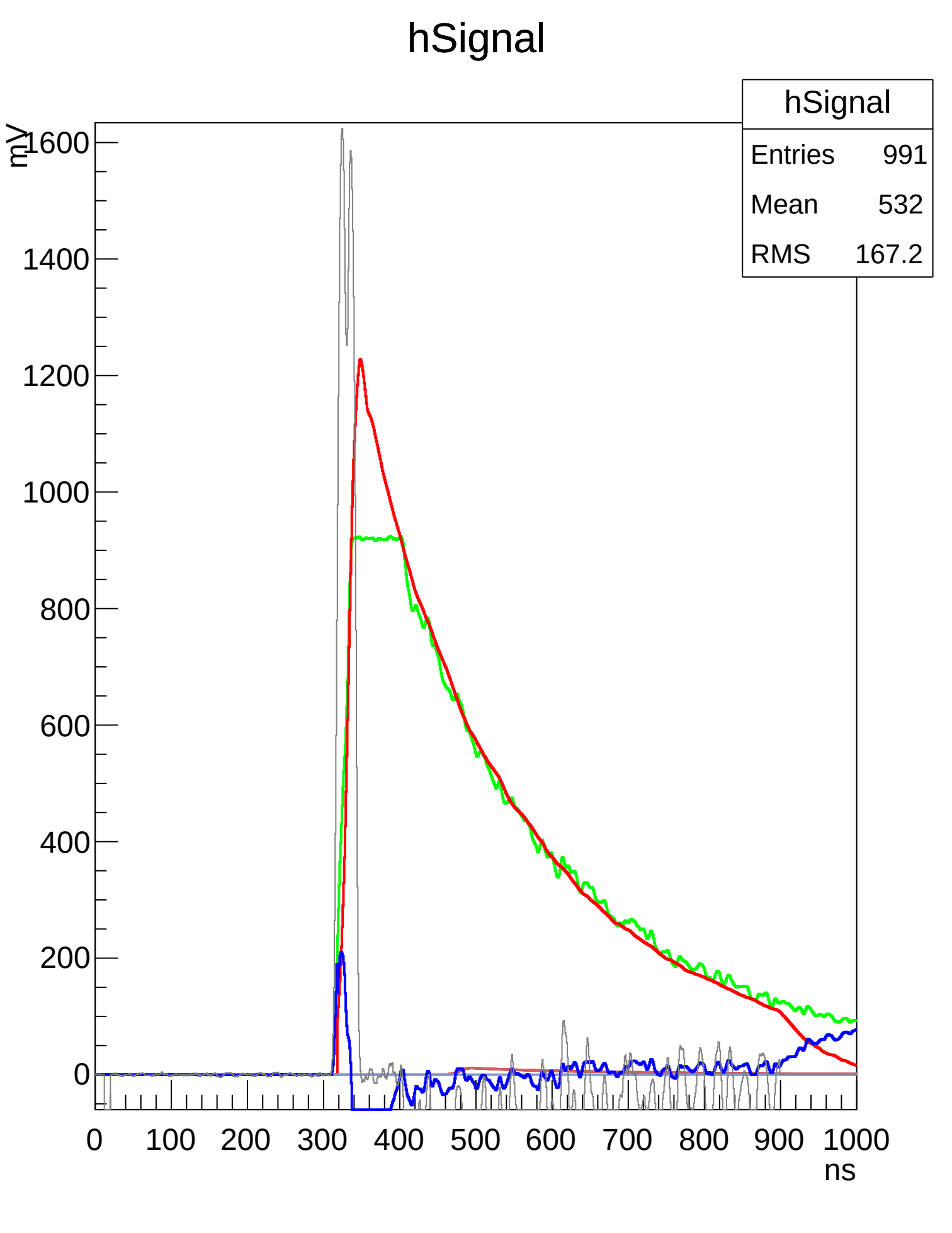

hSignal
hSignal
Entries 991
Mean 607.8
RMS 146.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

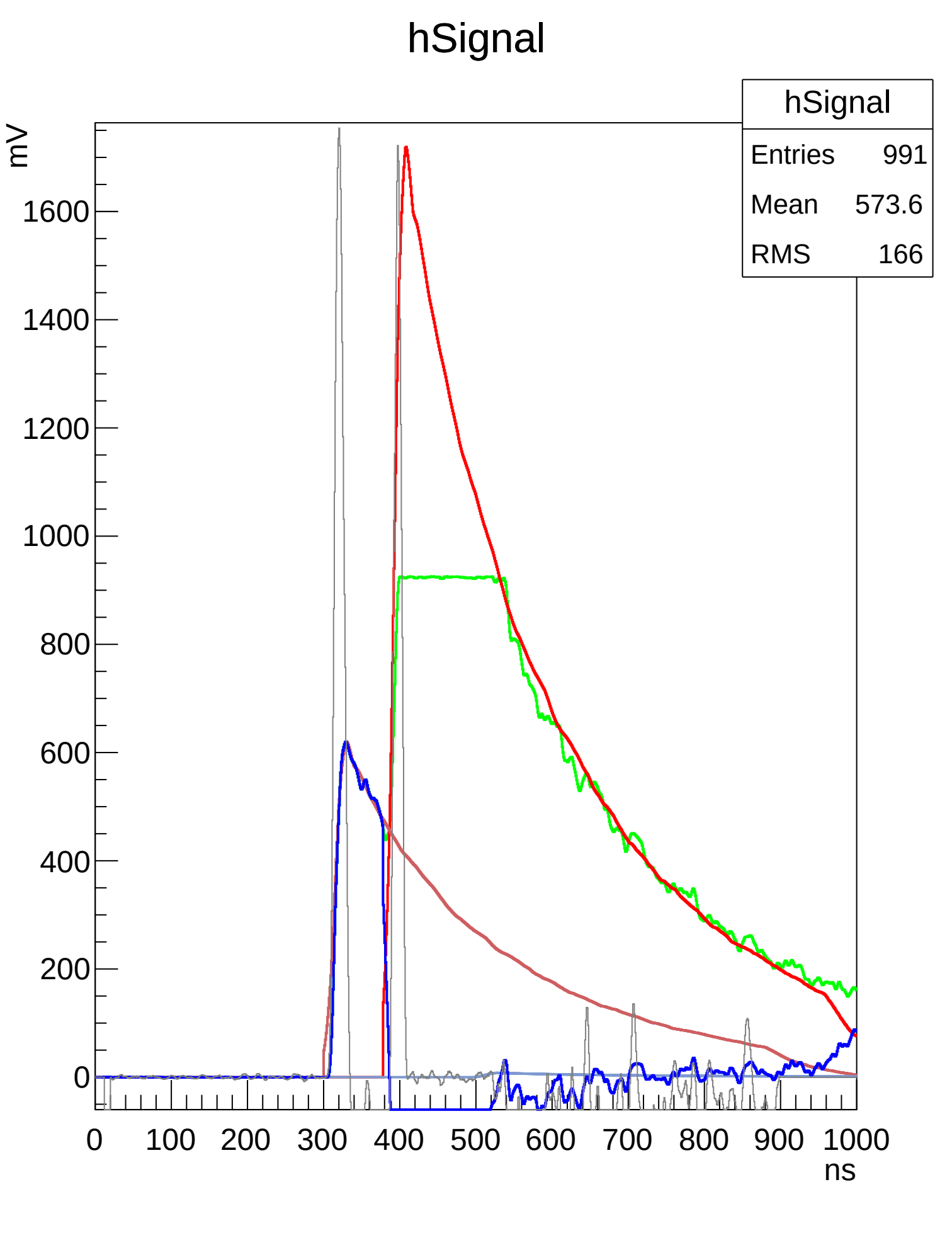

hSignal
hSignal
Entries 991
Mean 570.1
RMS 176.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

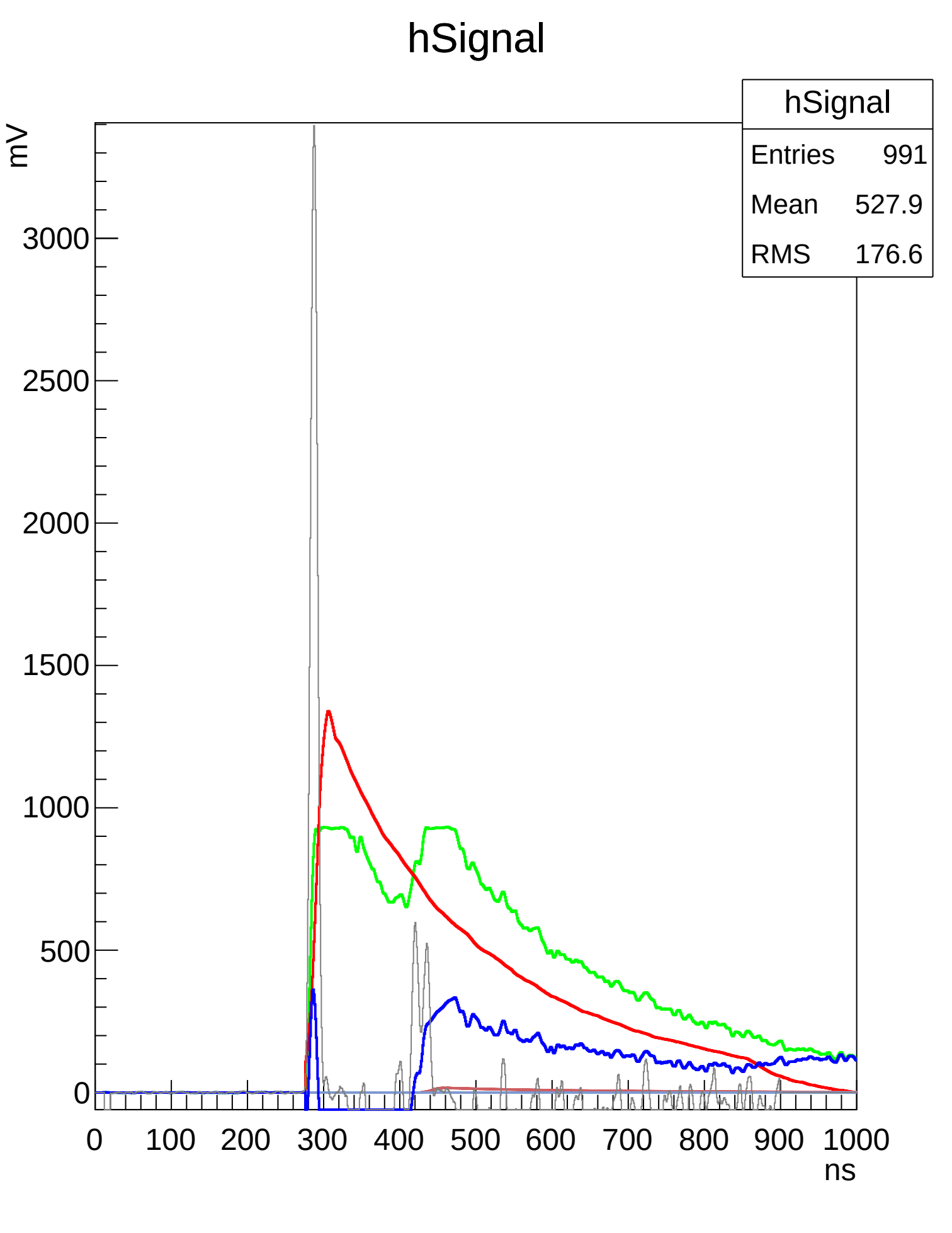

hSignal
hSignal
Entries 991
Mean 588.6
RMS 159.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

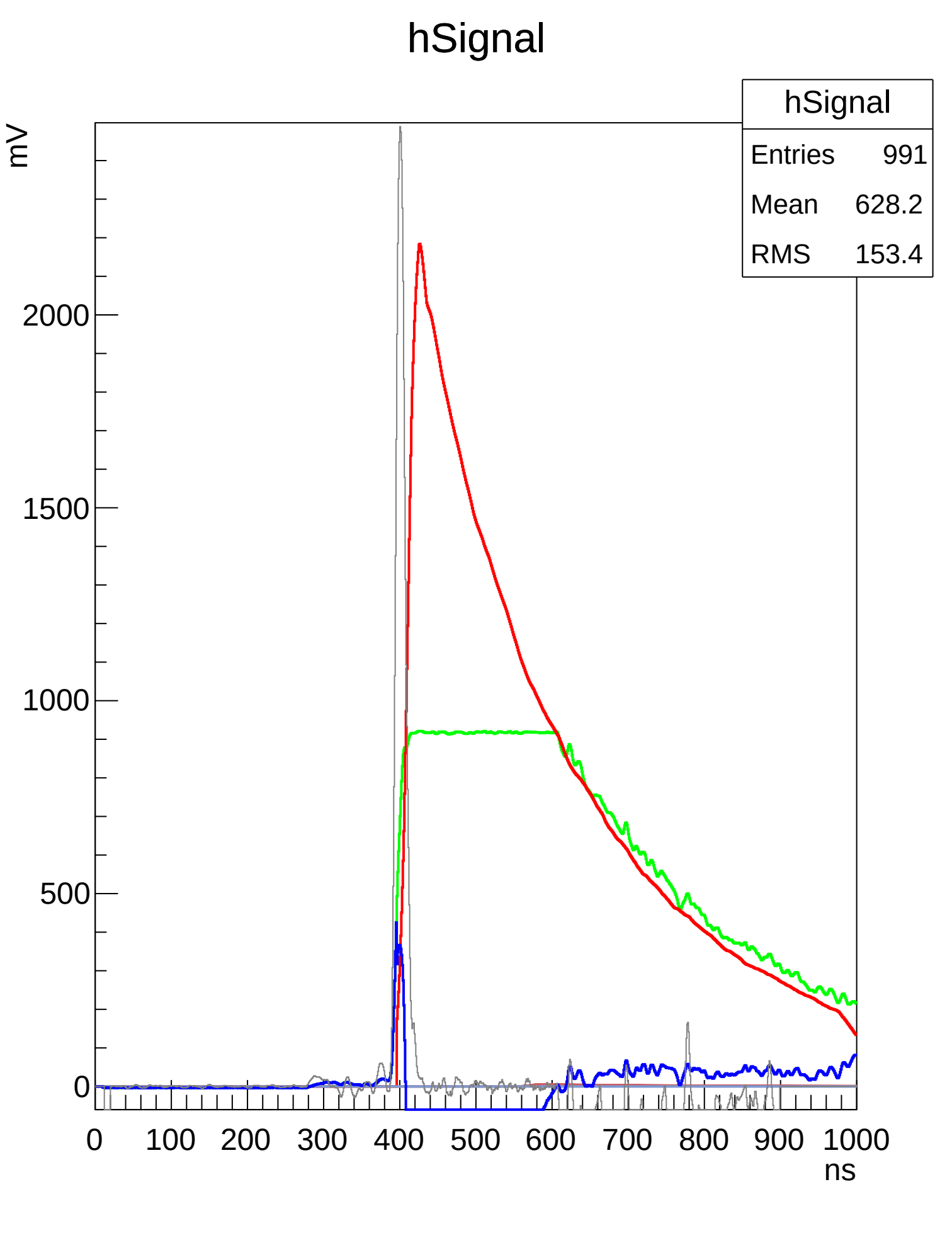

hSignal
hSignal
Entries 991
Mean 612.9
RMS 138.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

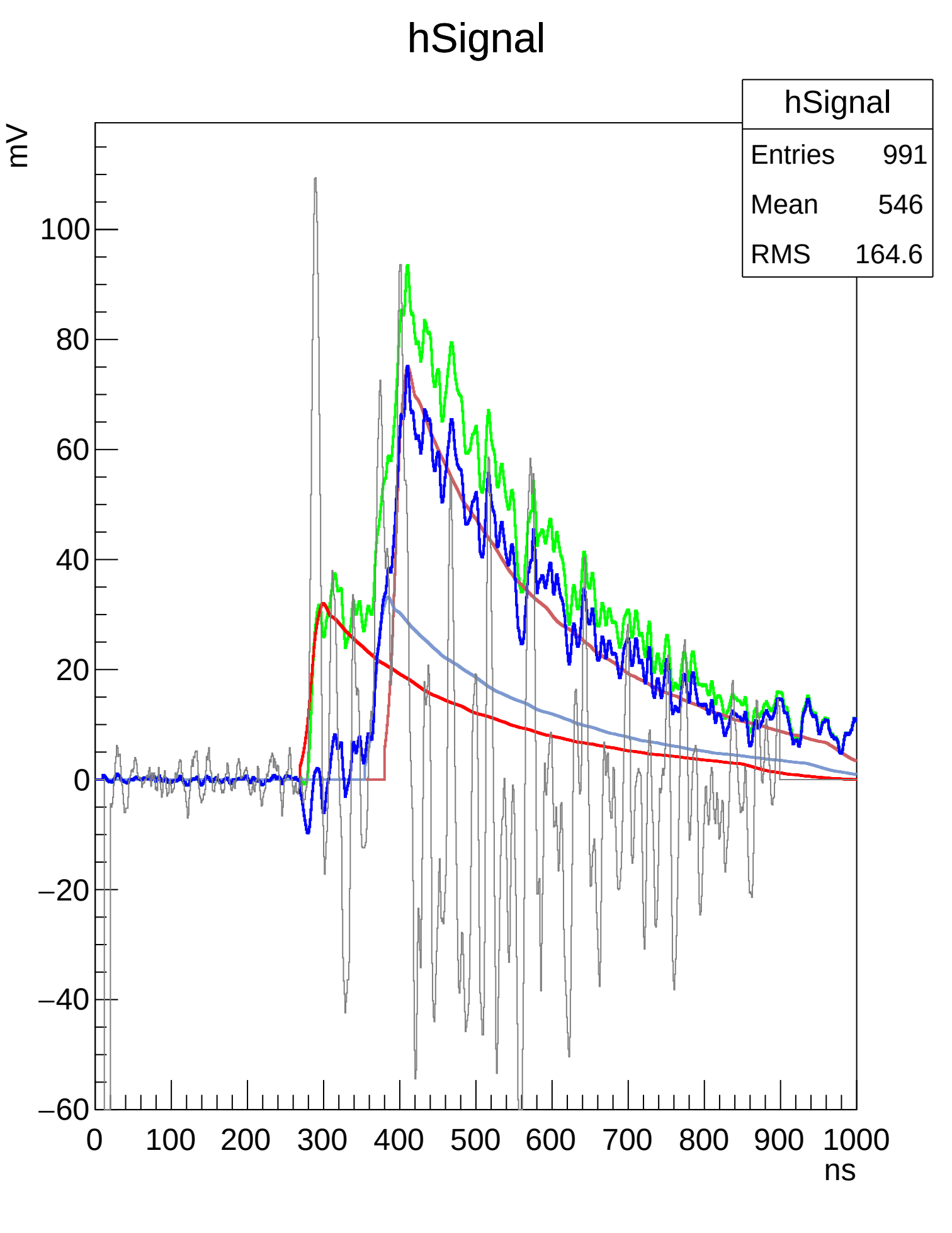

hSignal
hSignal
Entries 991
Mean 542.9
RMS 166.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

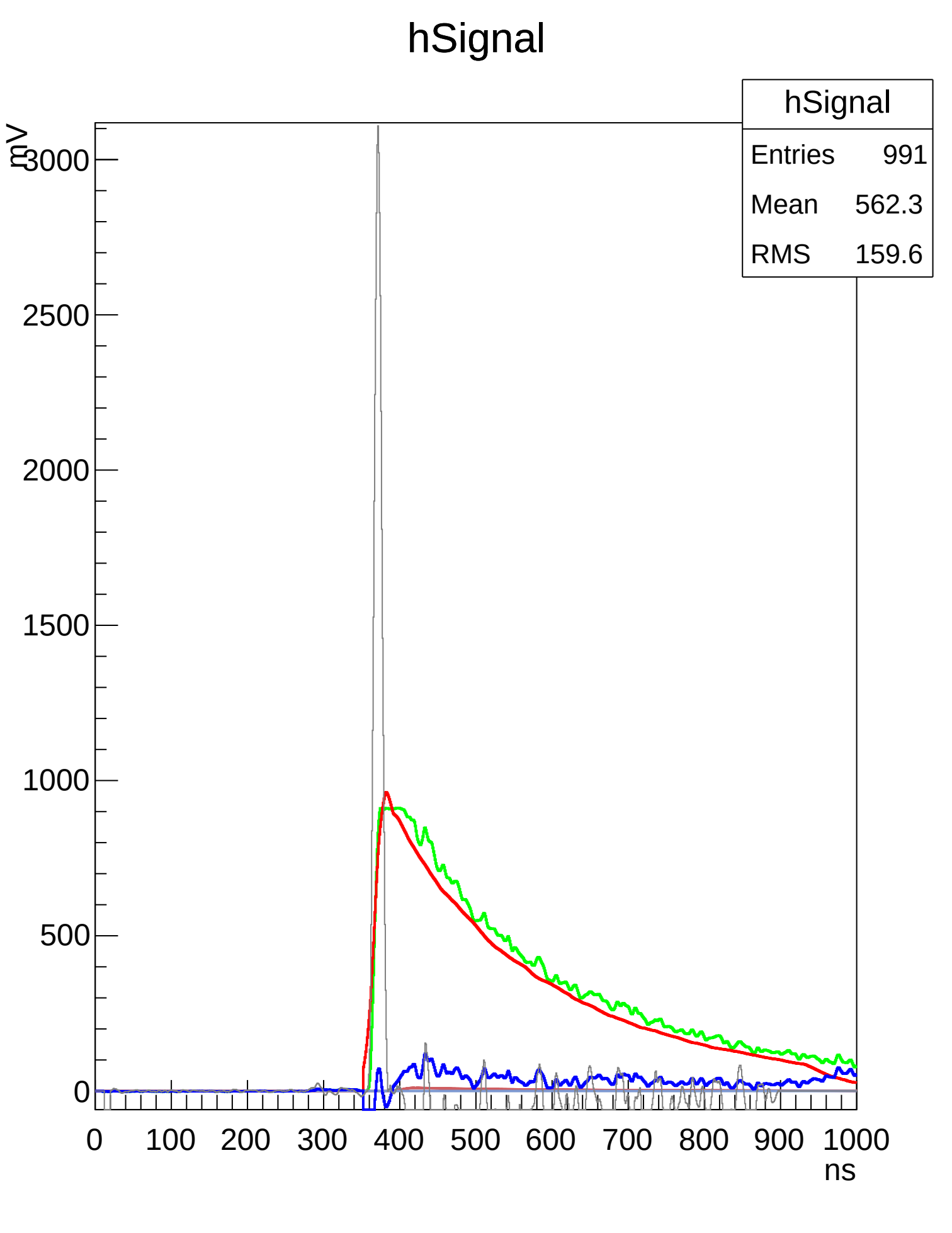

hSignal
hSignal
Entries 991
Mean 532
RMS 167.2
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

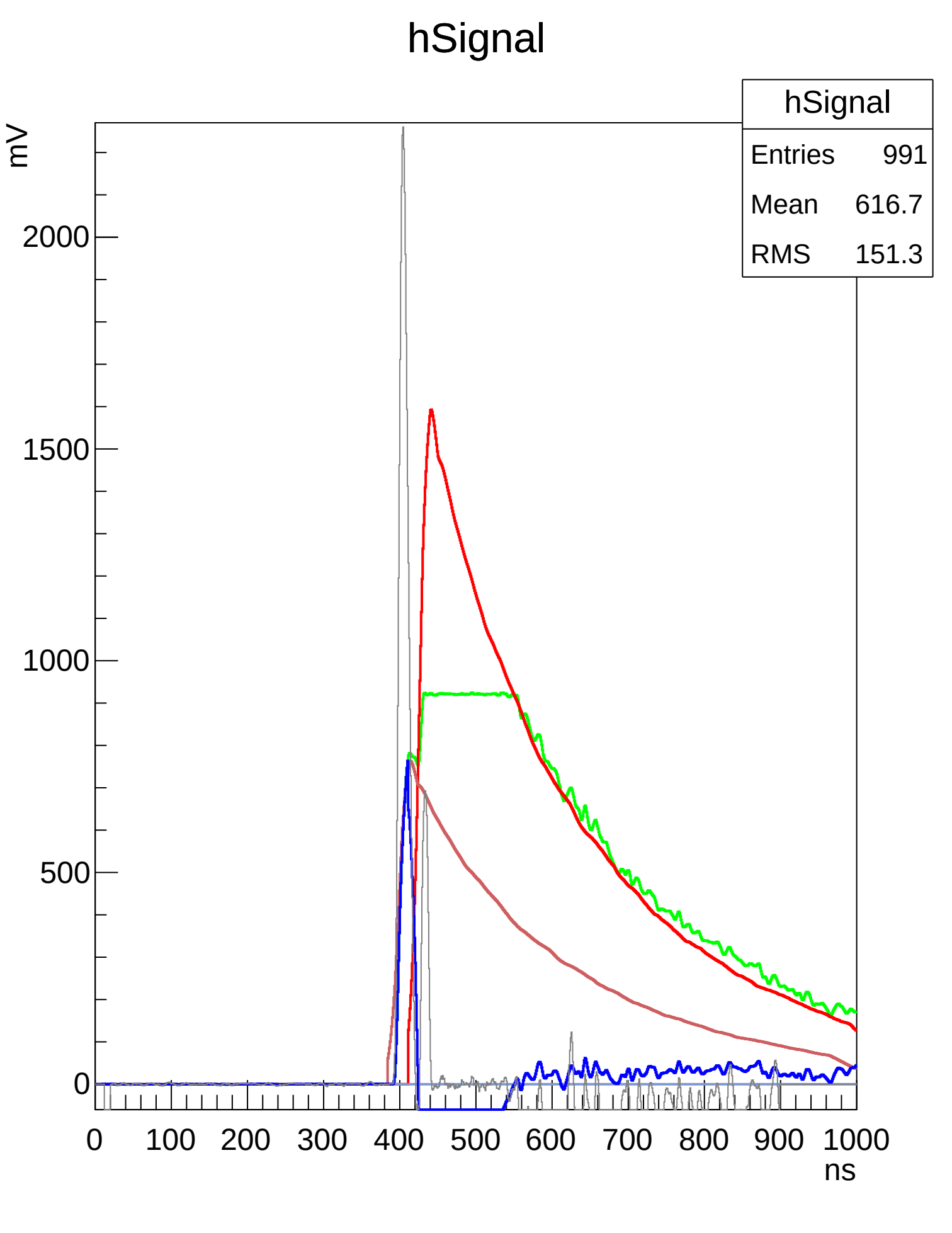

hSignal
hSignal
Entries 991
Mean 573.6
RMS 166
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

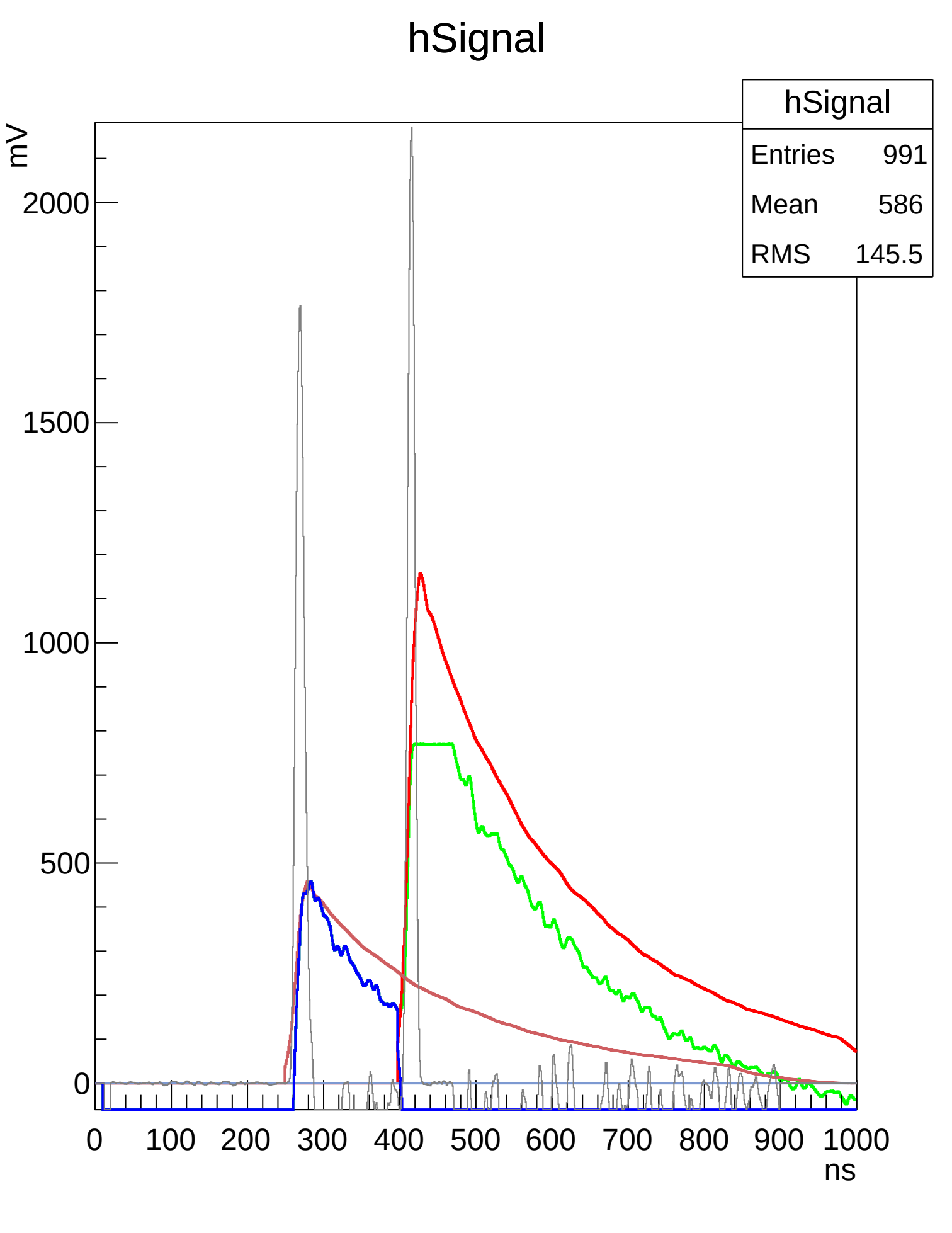

hSignal
hSignal
Entries 991
Mean 527.9
RMS 176.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

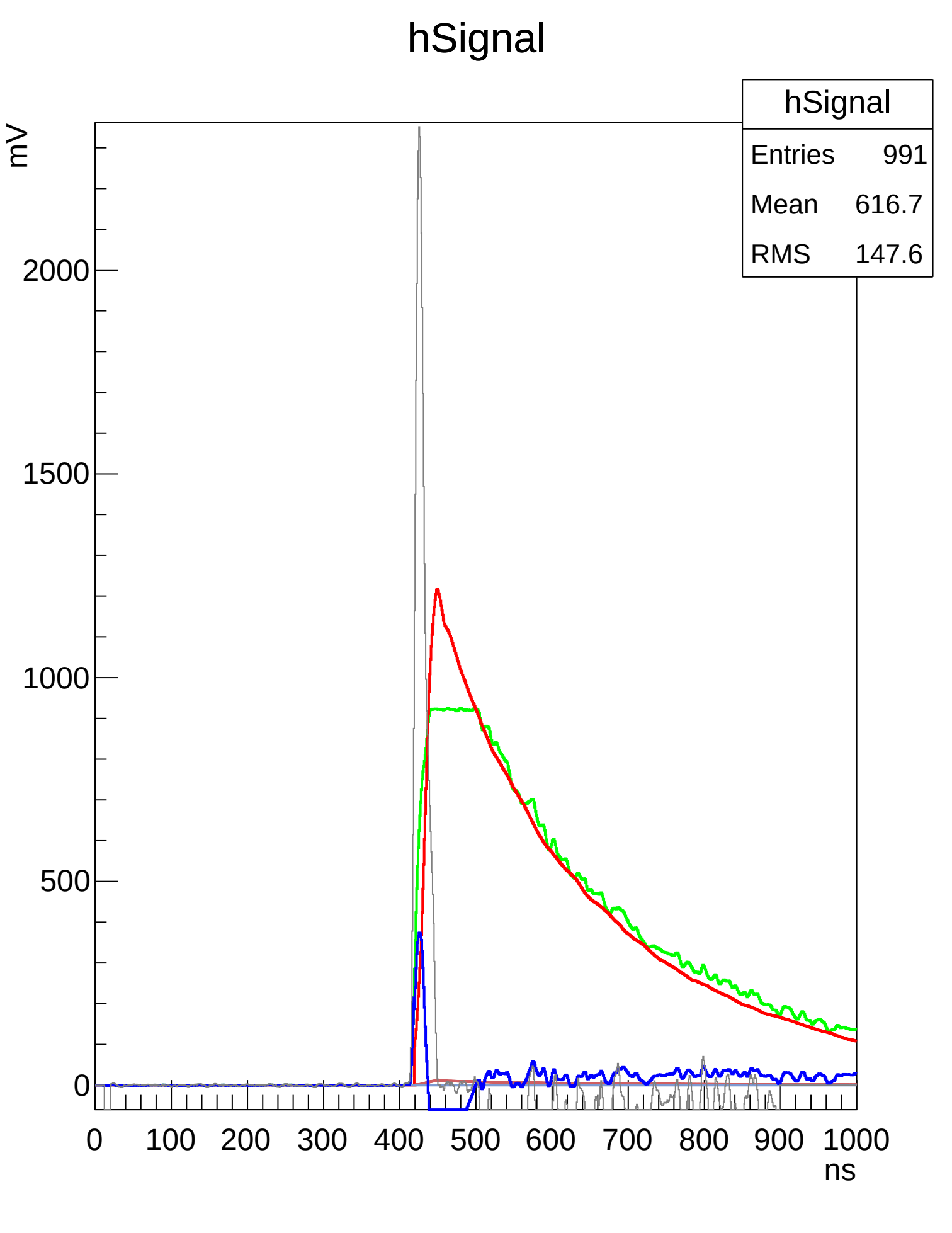

hSignal
hSignal
Entries 991
Mean 628.2
RMS 153.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

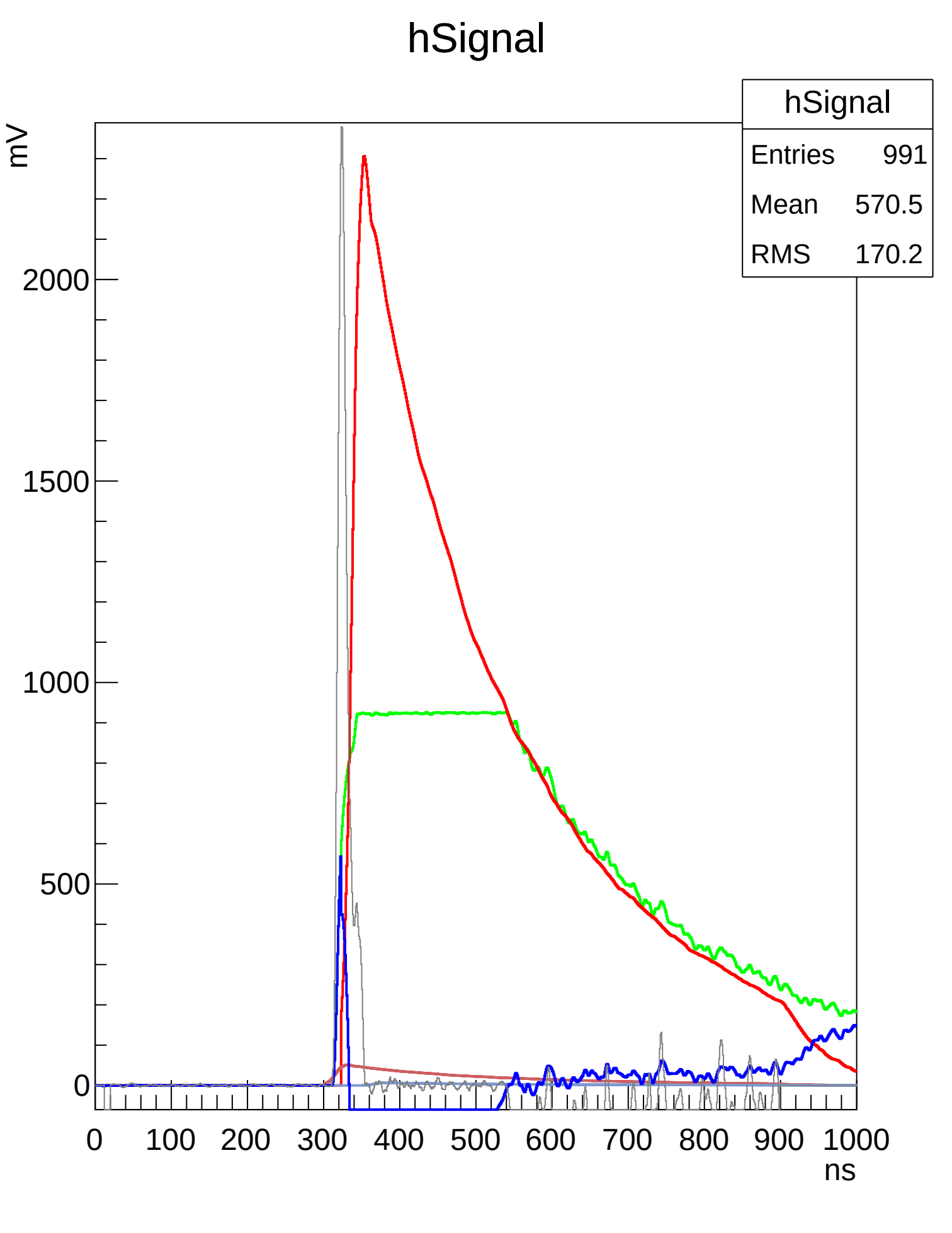

hSignal
hSignal
Entries 991
Mean 546
RMS 164.6
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

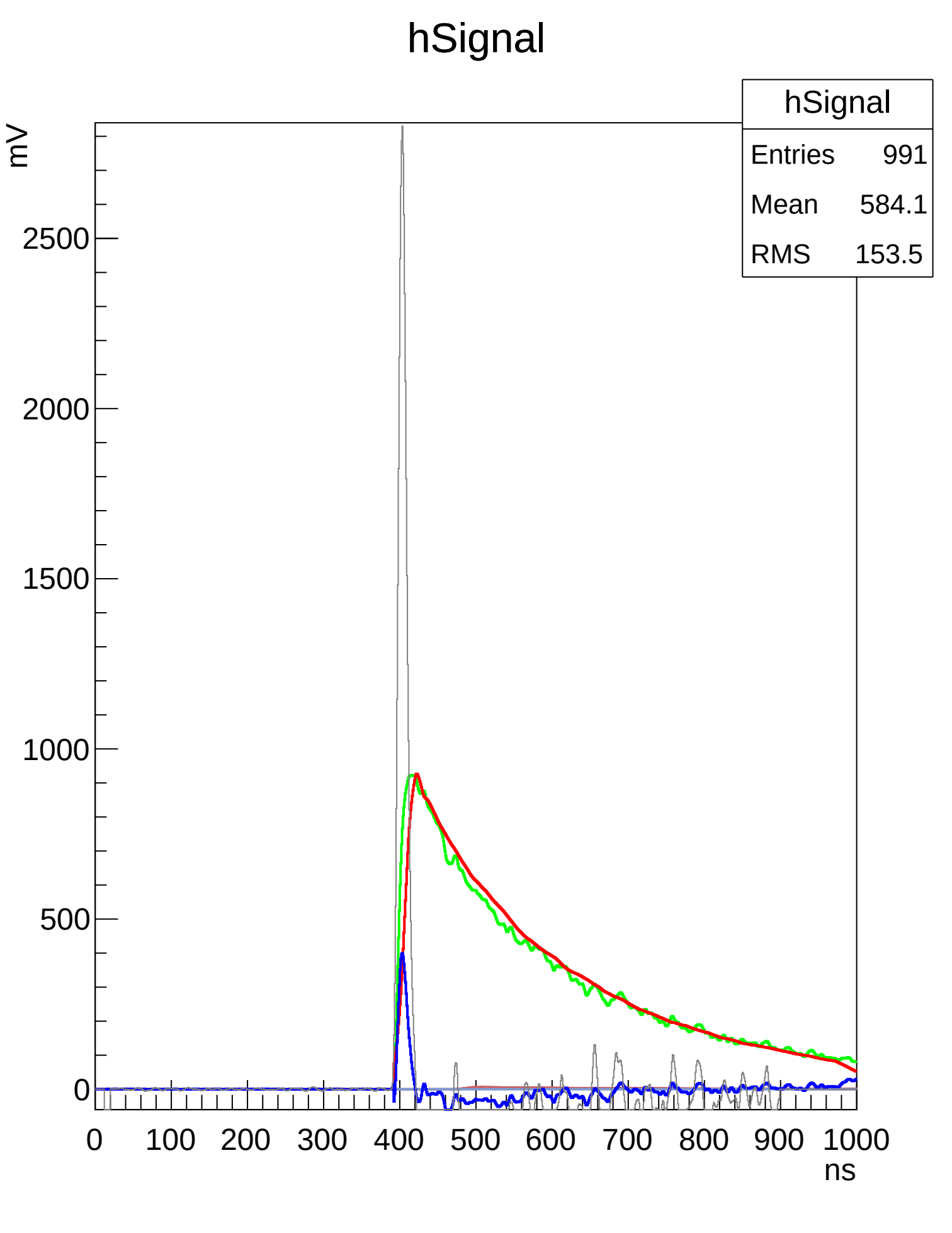

hSignal
hSignal
Entries 991
Mean 562.3
RMS 159.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

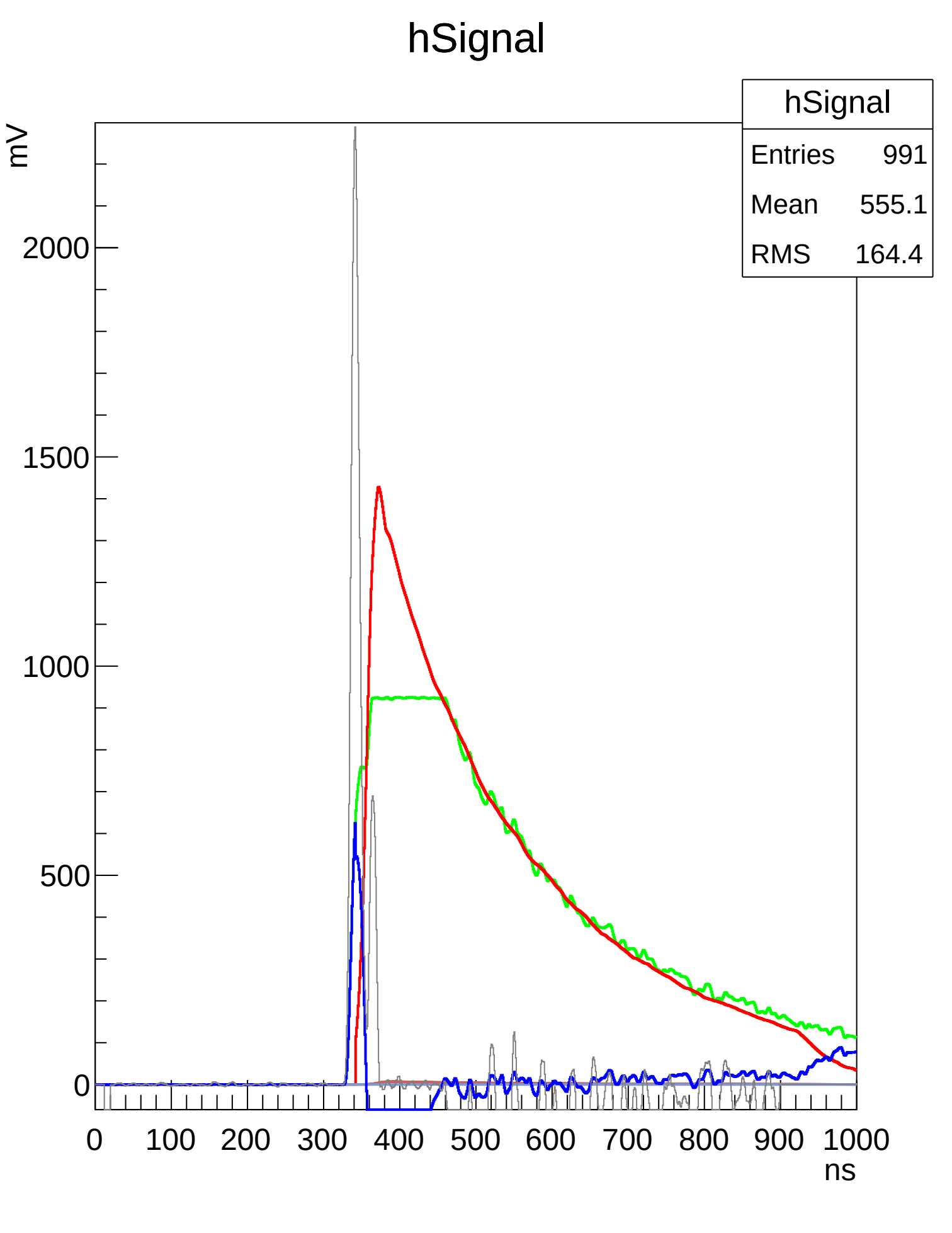

hSignal
hSignal
Entries 991
Mean 616.7
RMS 151.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

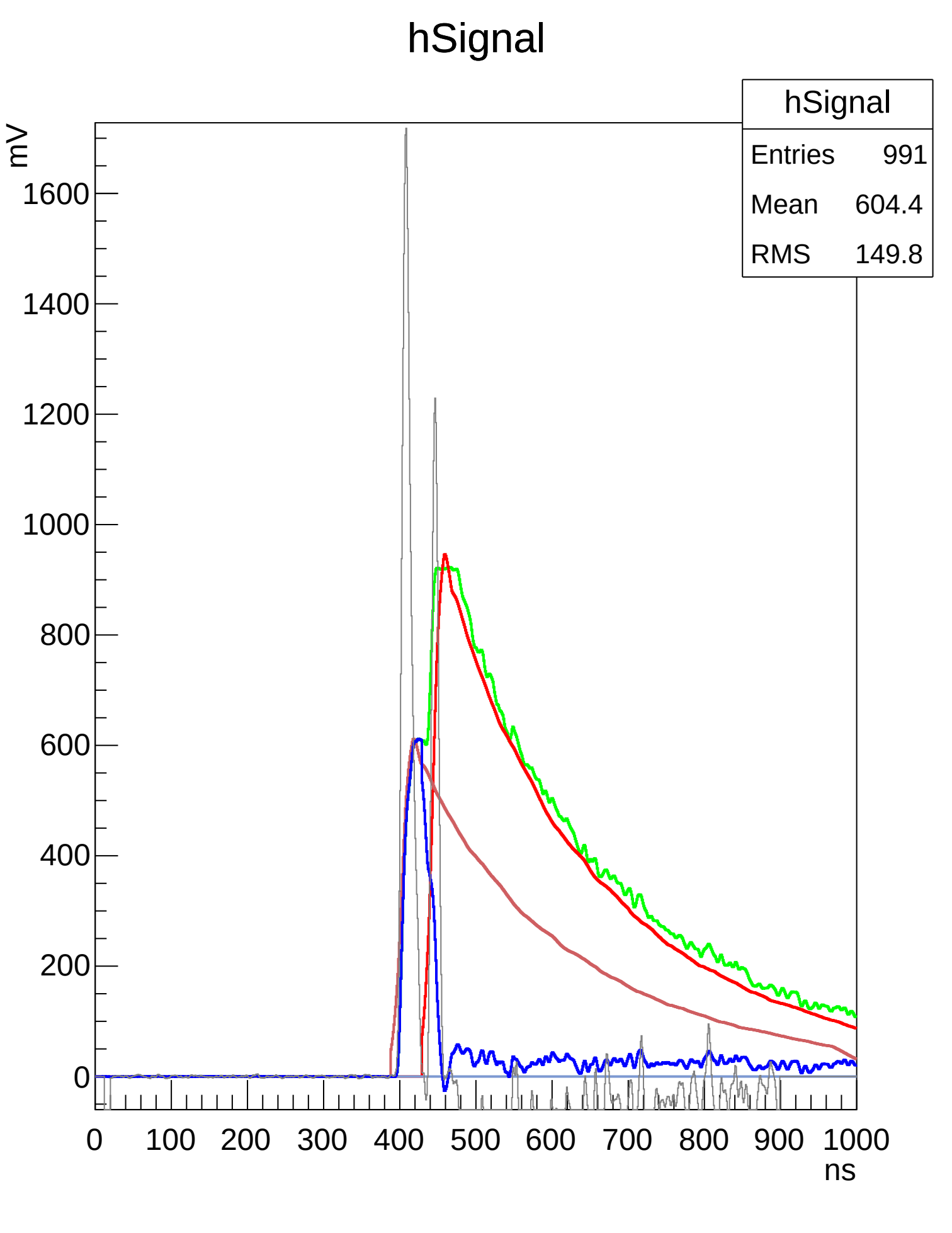

hSignal
hSignal
Entries 991
Mean 586
RMS 145.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

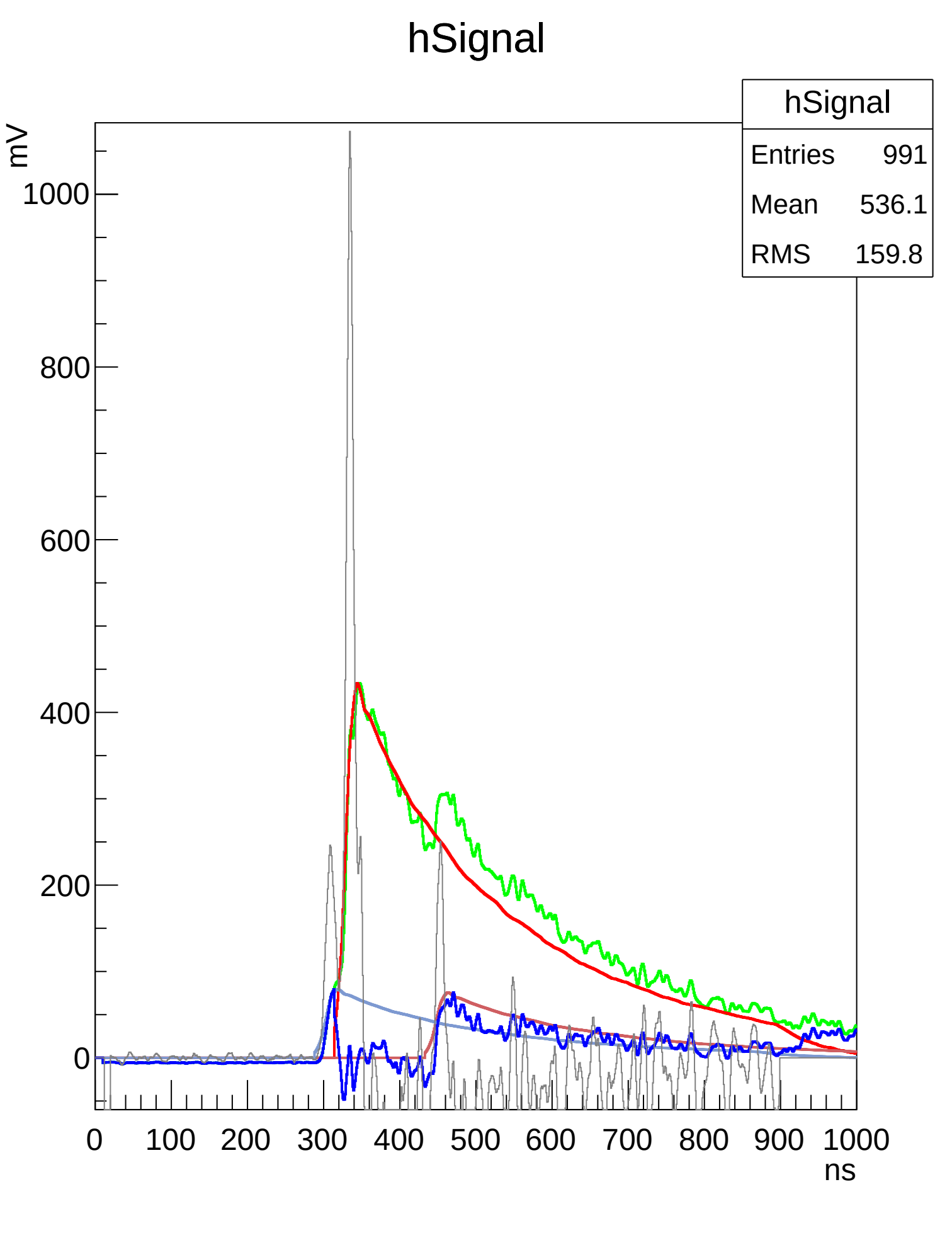

hSignal
hSignal
Entries 991
Mean 616.7
RMS 147.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

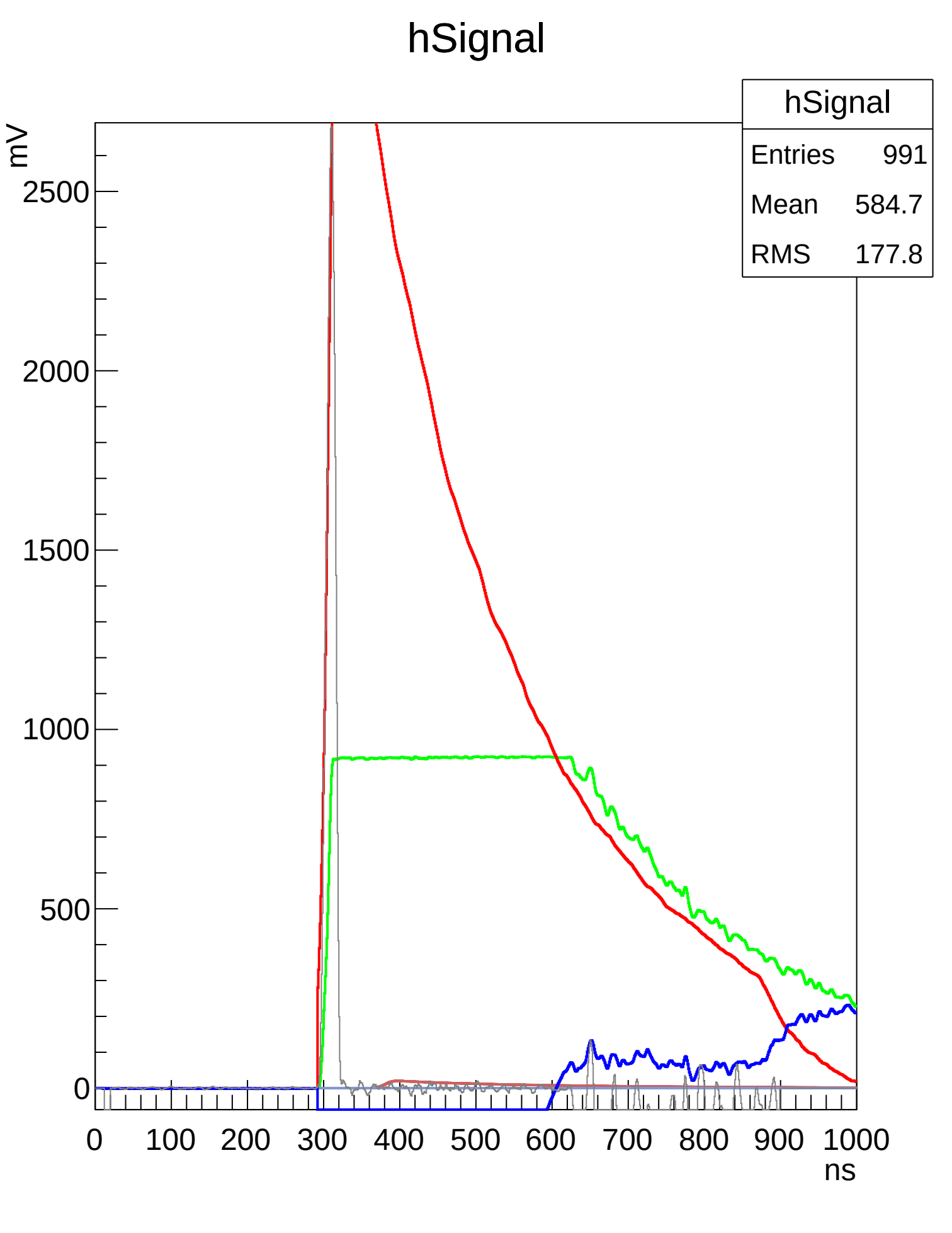

hSignal
hSignal
Entries 991
Mean 570.5
RMS 170.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

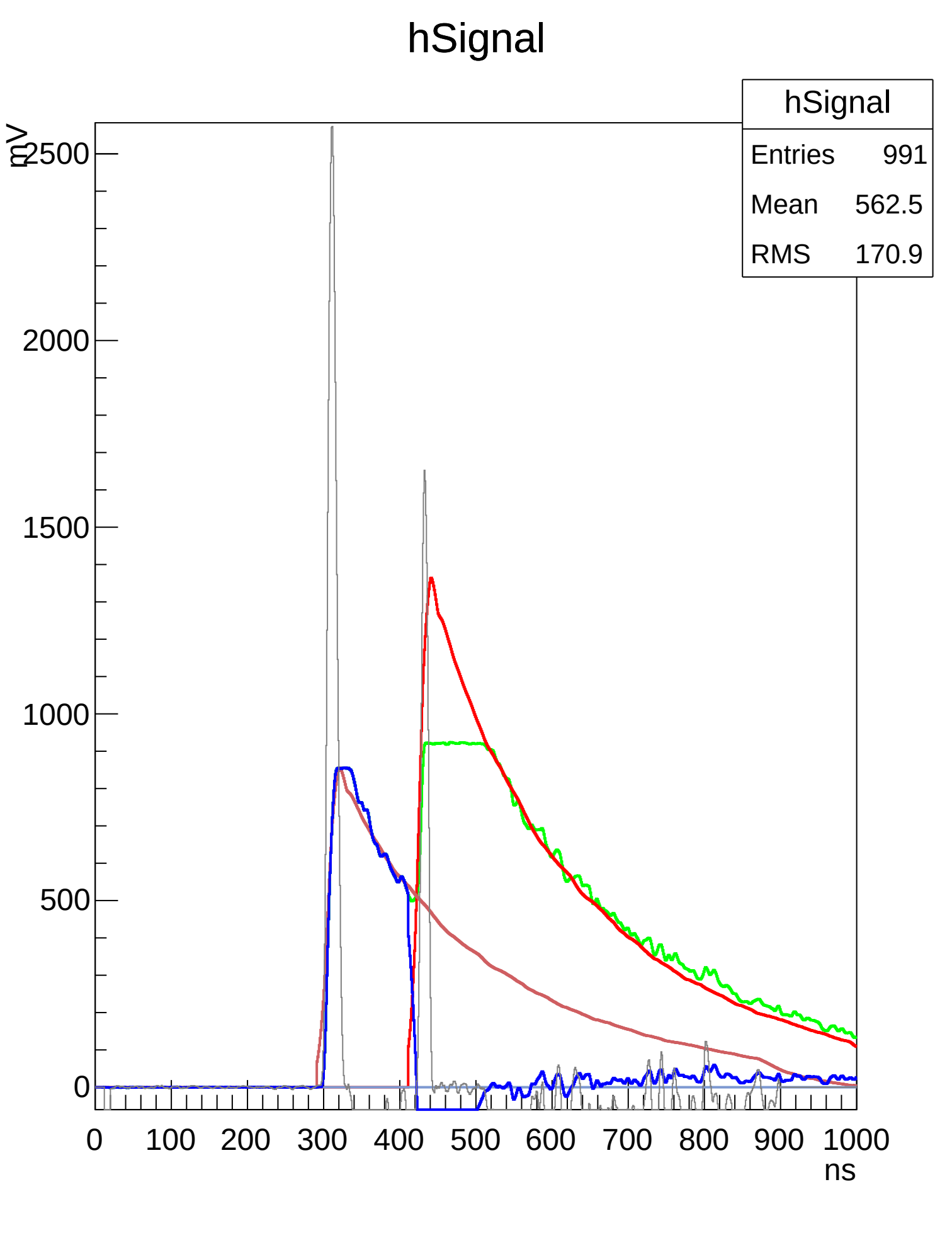

hSignal
hSignal
Entries 991
Mean 584.1
RMS 153.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

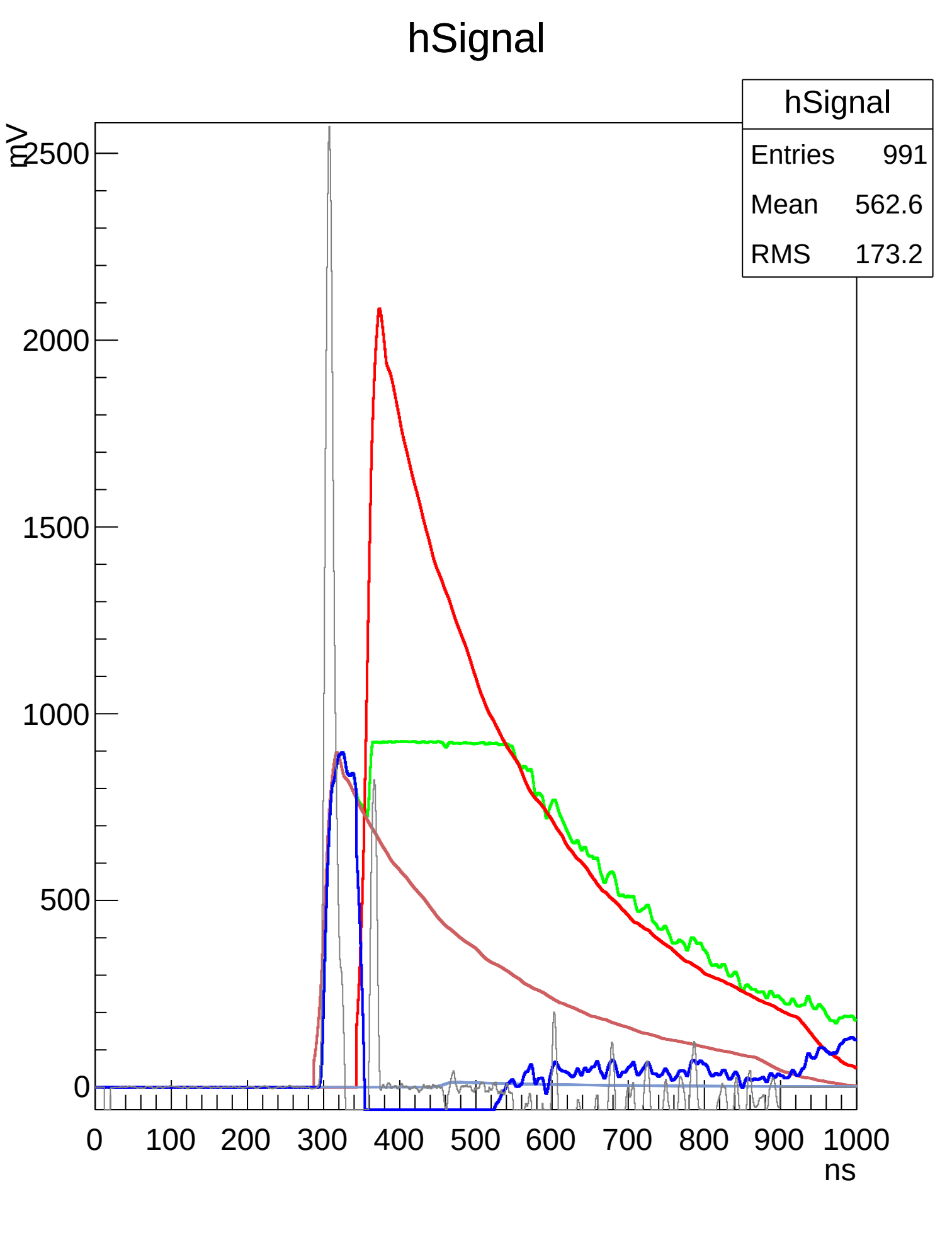

hSignal
hSignal
Entries 991
Mean 555.1
RMS 164.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

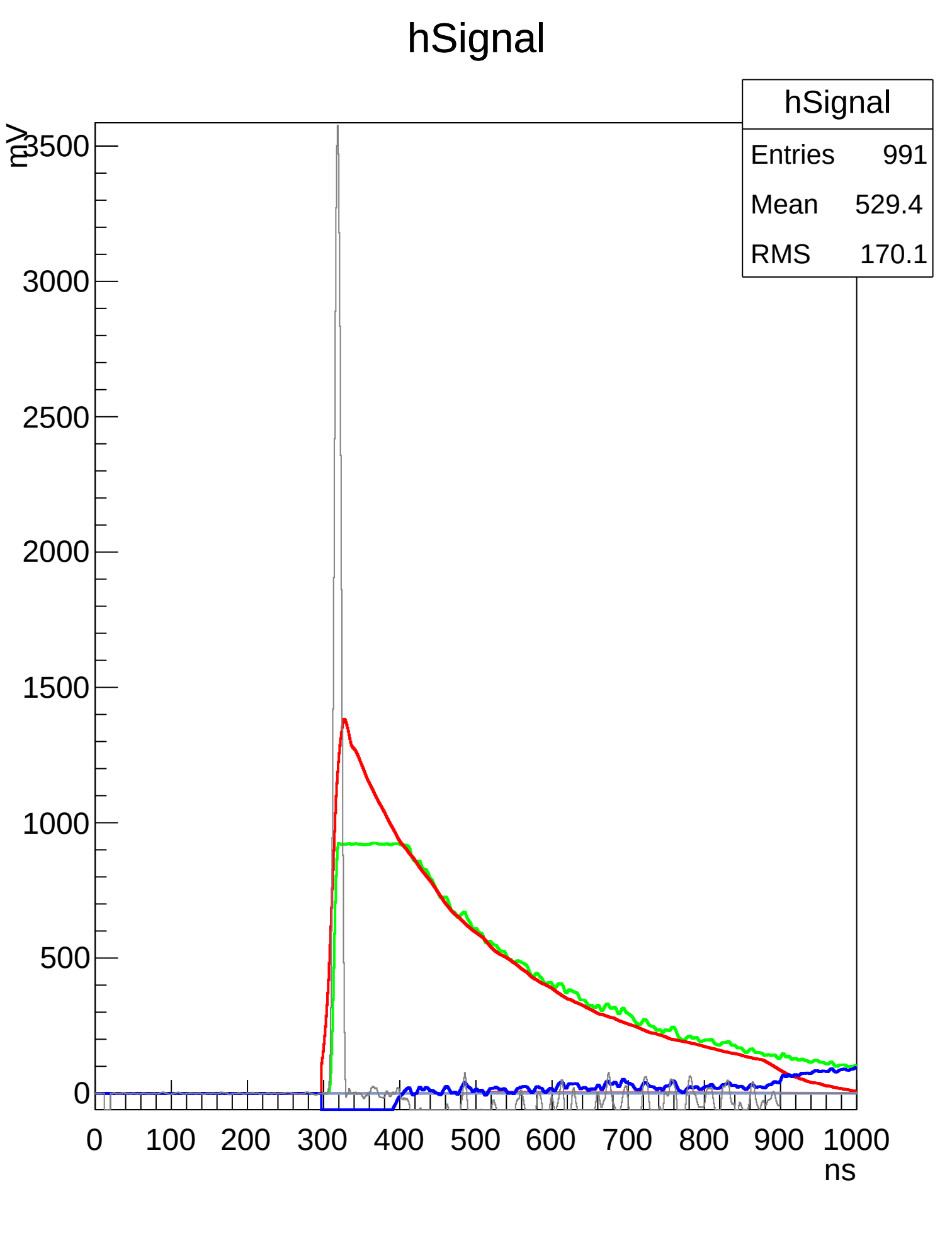

hSignal
hSignal
Entries 991
Mean 604.4
RMS 149.8
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

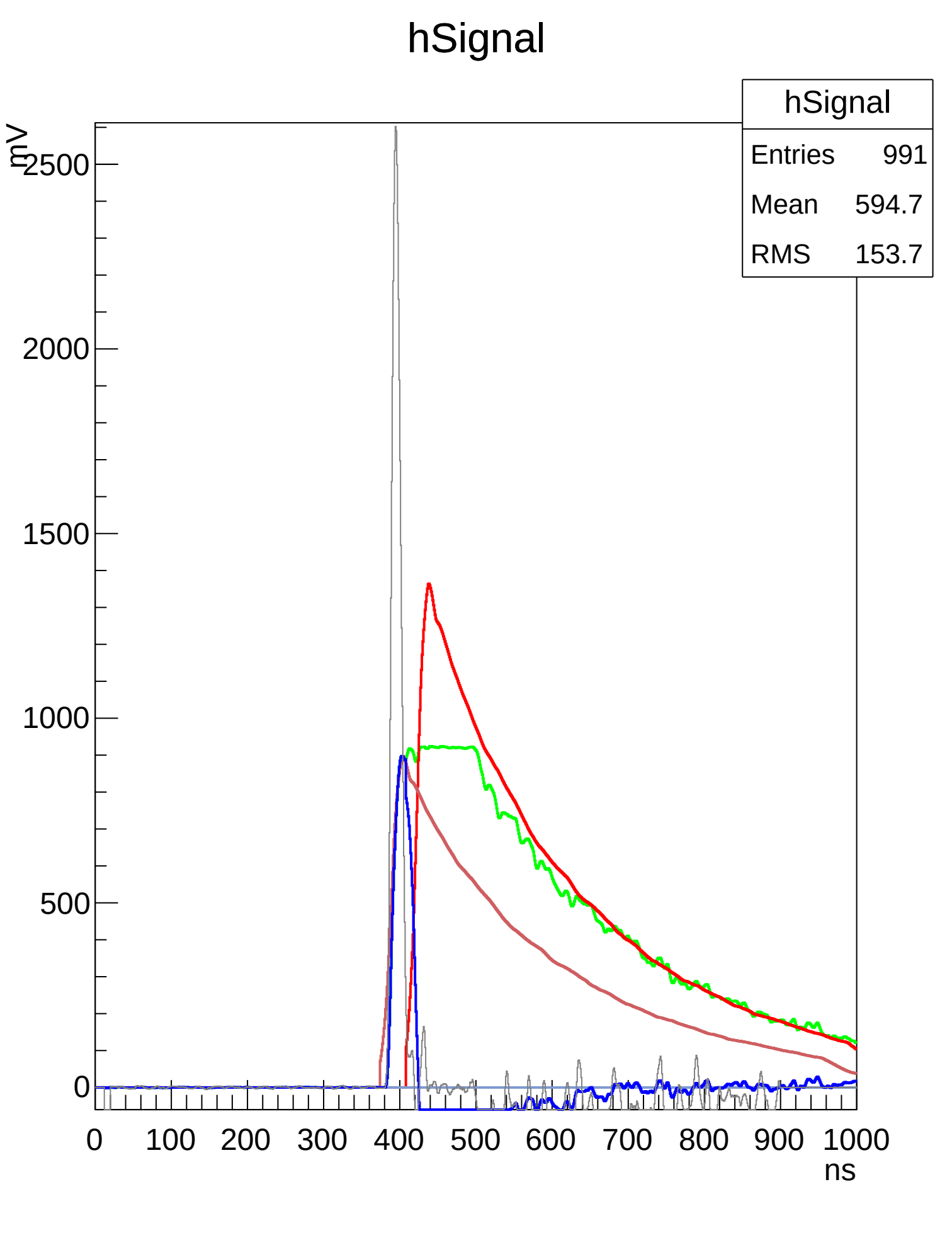

hSignal
hSignal
Entries 991
Mean 536.1
RMS 159.8
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

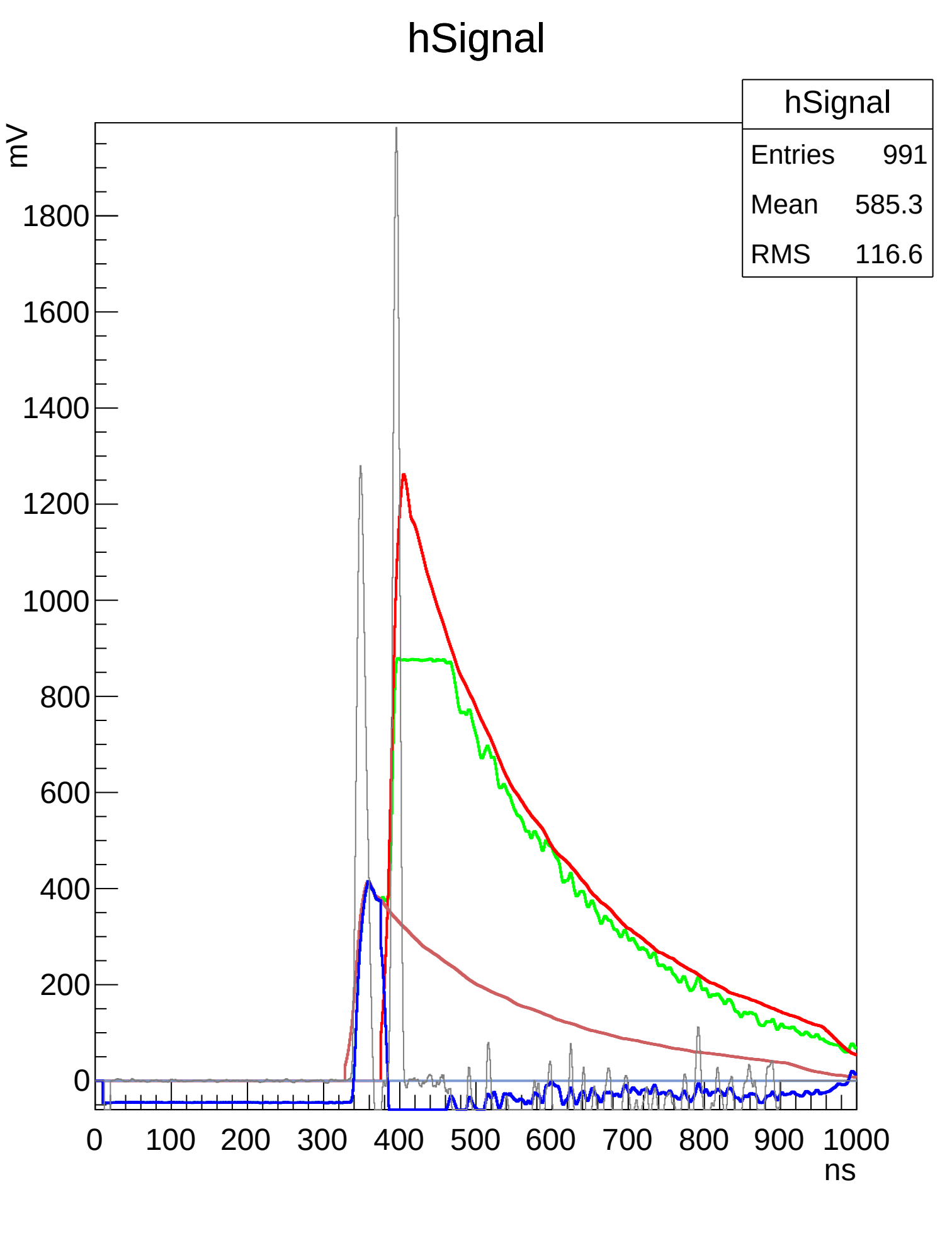

hSignal
hSignal
Entries 991
Mean 584.7
RMS 177.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

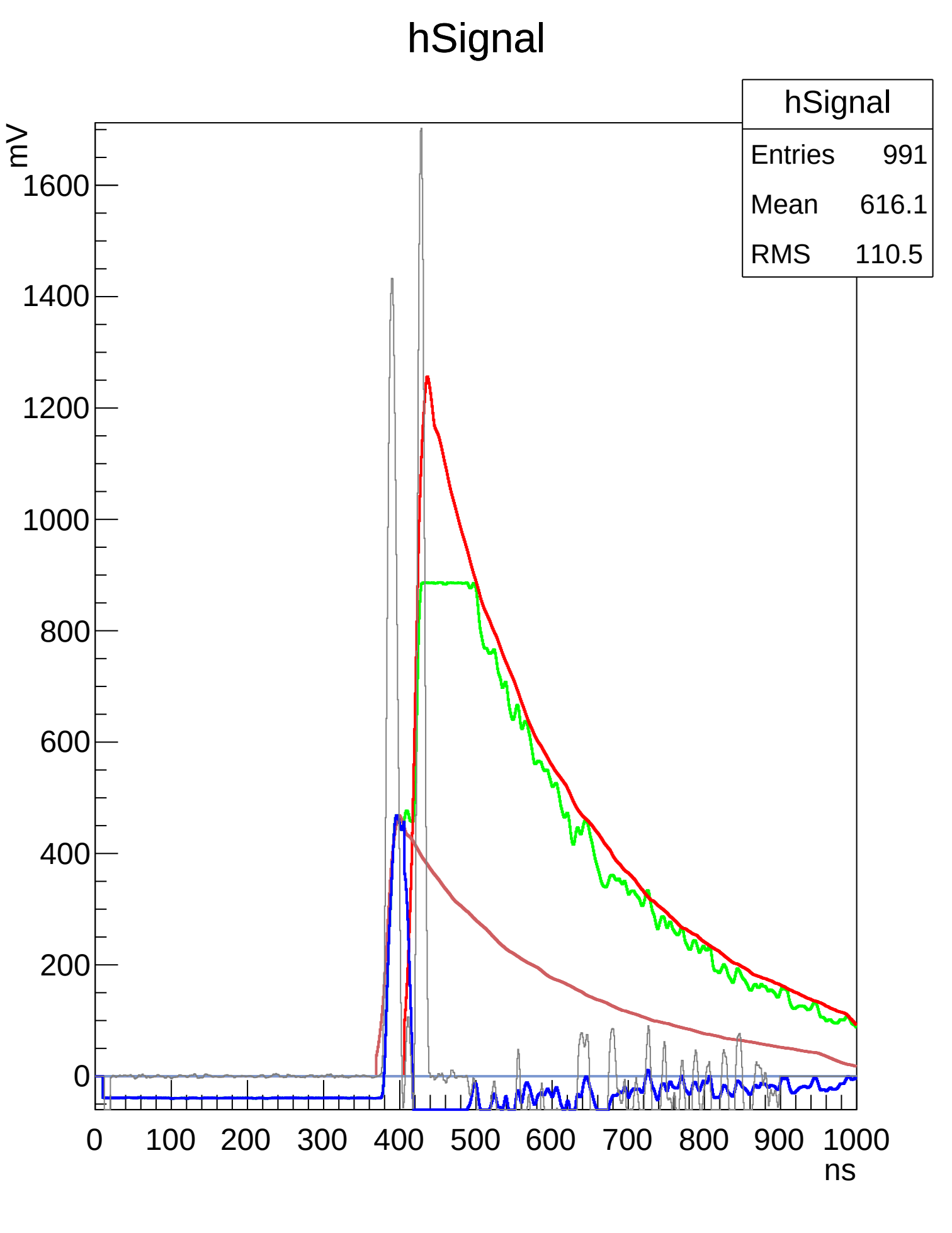

hSignal
hSignal
Entries 991
Mean 562.5
RMS 170.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

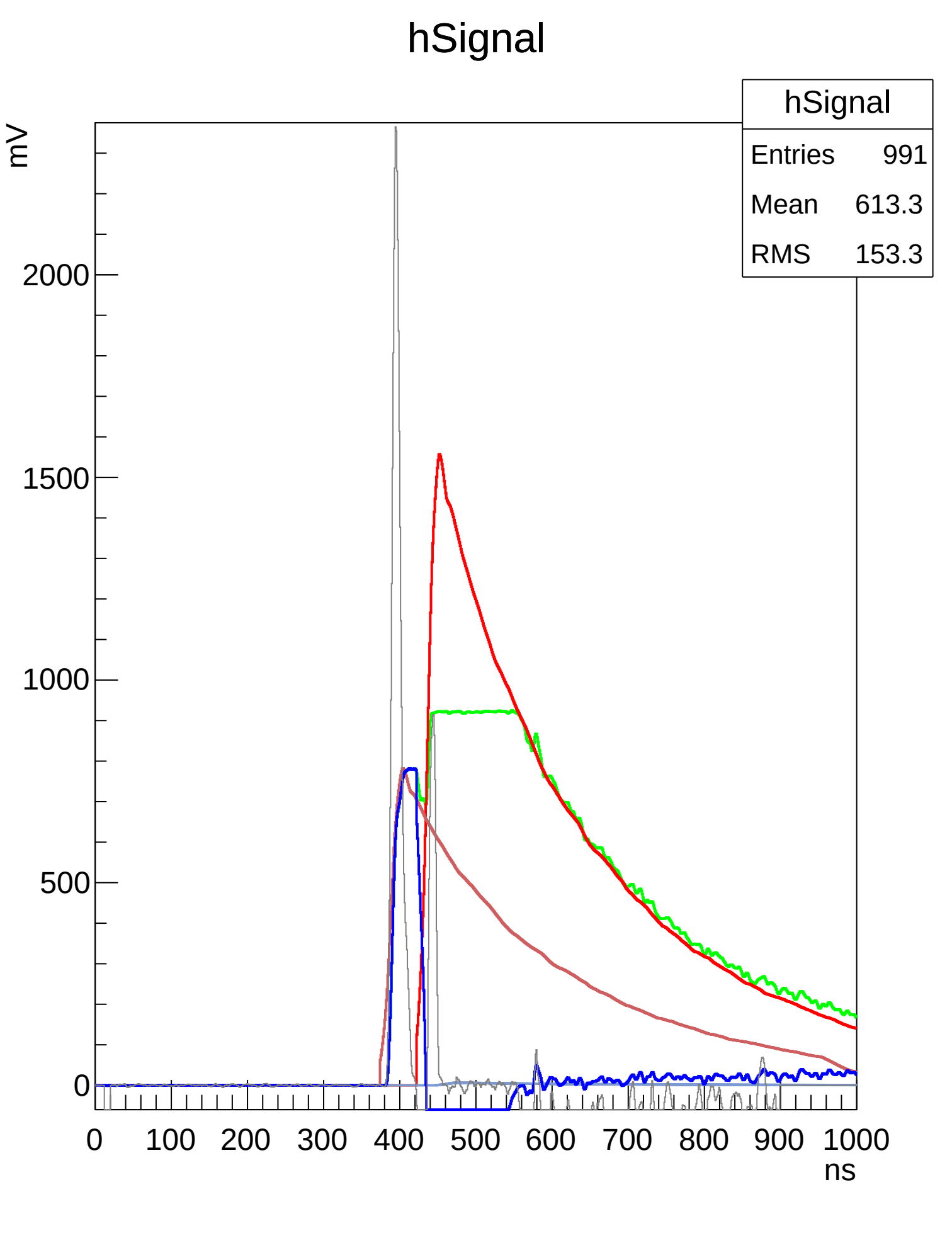

hSignal
hSignal
Entries 991
Mean 562.6
RMS 173.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

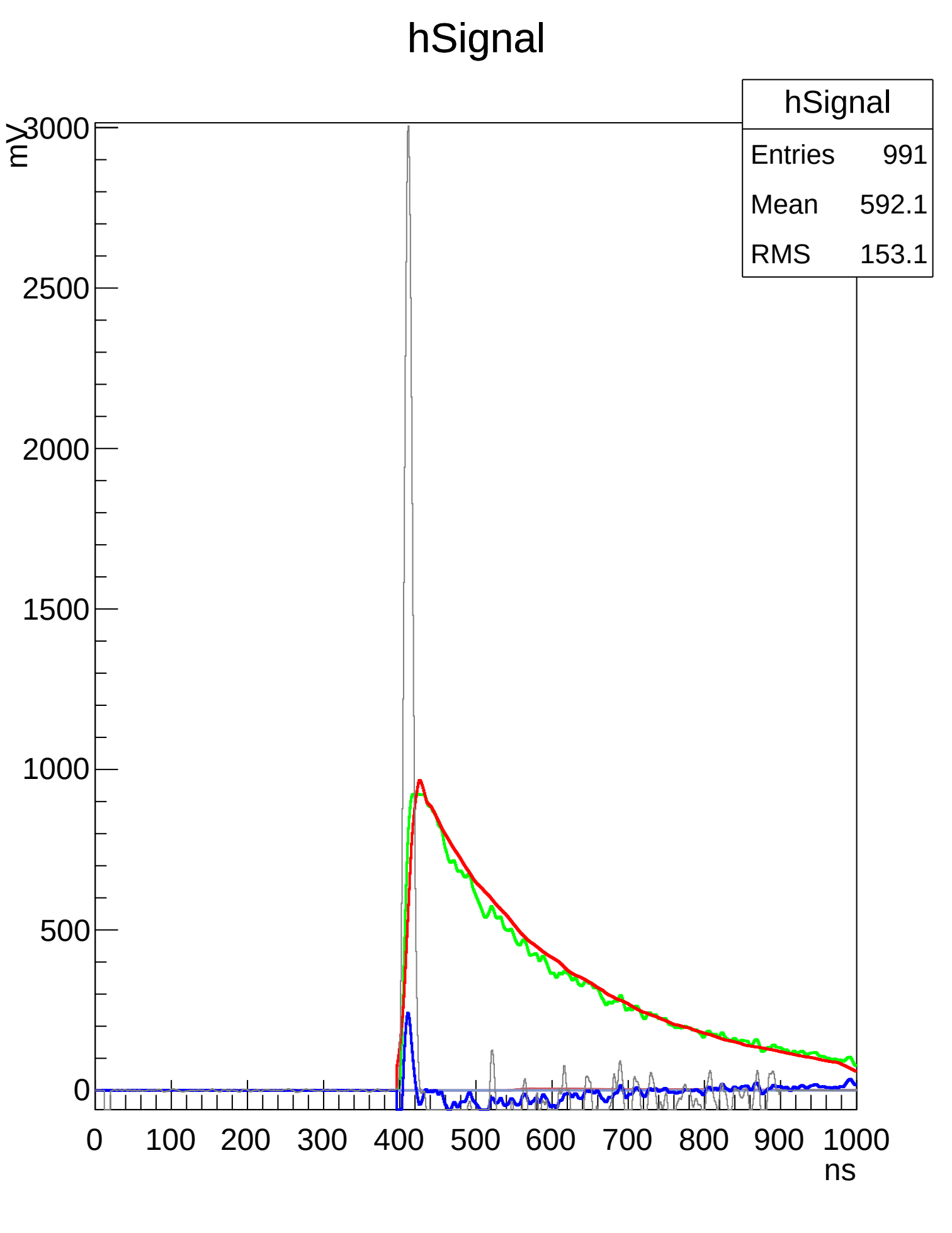

hSignal
hSignal
Entries 991
Mean 529.4
RMS 170.1
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

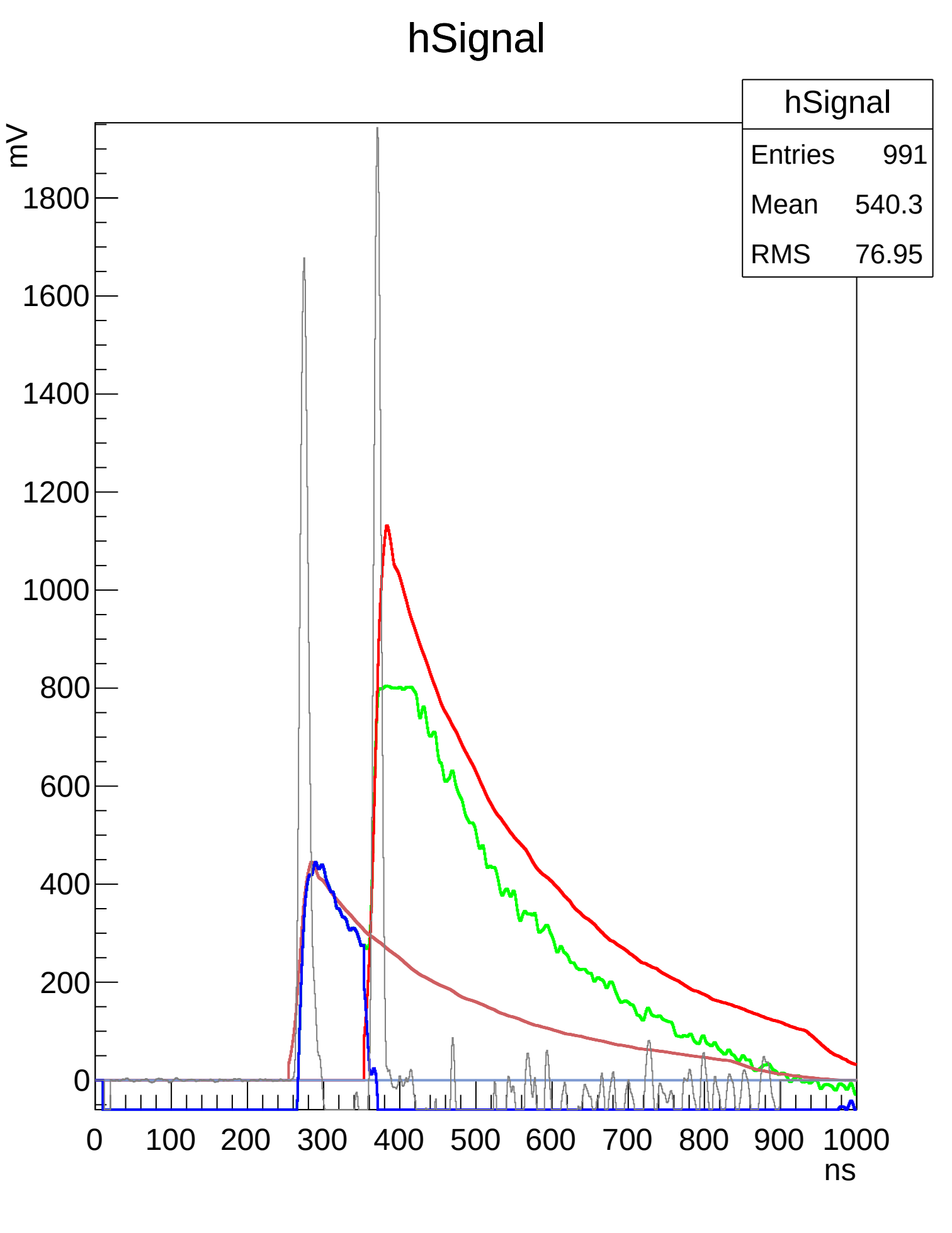

hSignal
hSignal
Entries 991
Mean 594.7
RMS 153.7
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

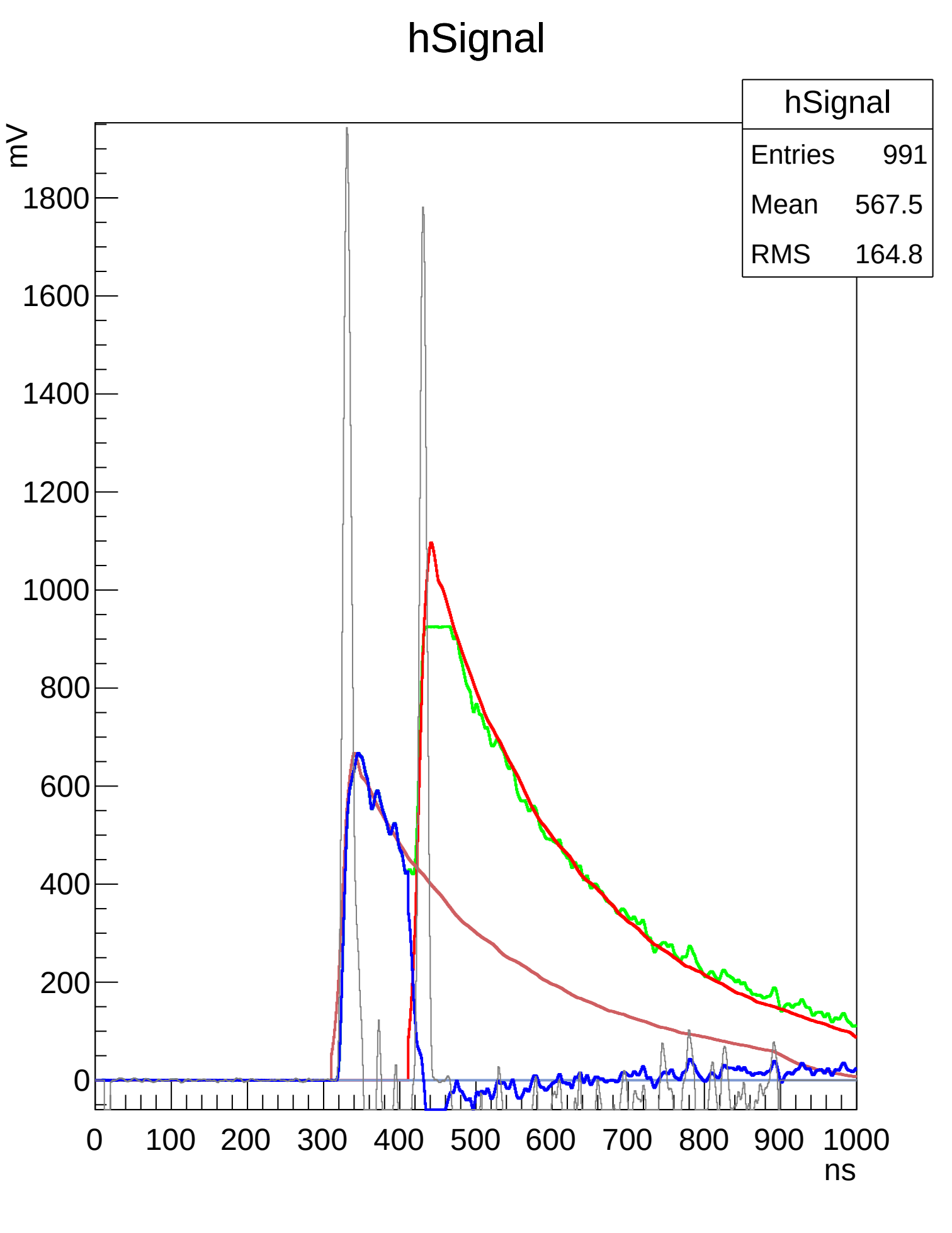

hSignal
hSignal
Entries 991
Mean 585.3
RMS 116.6
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

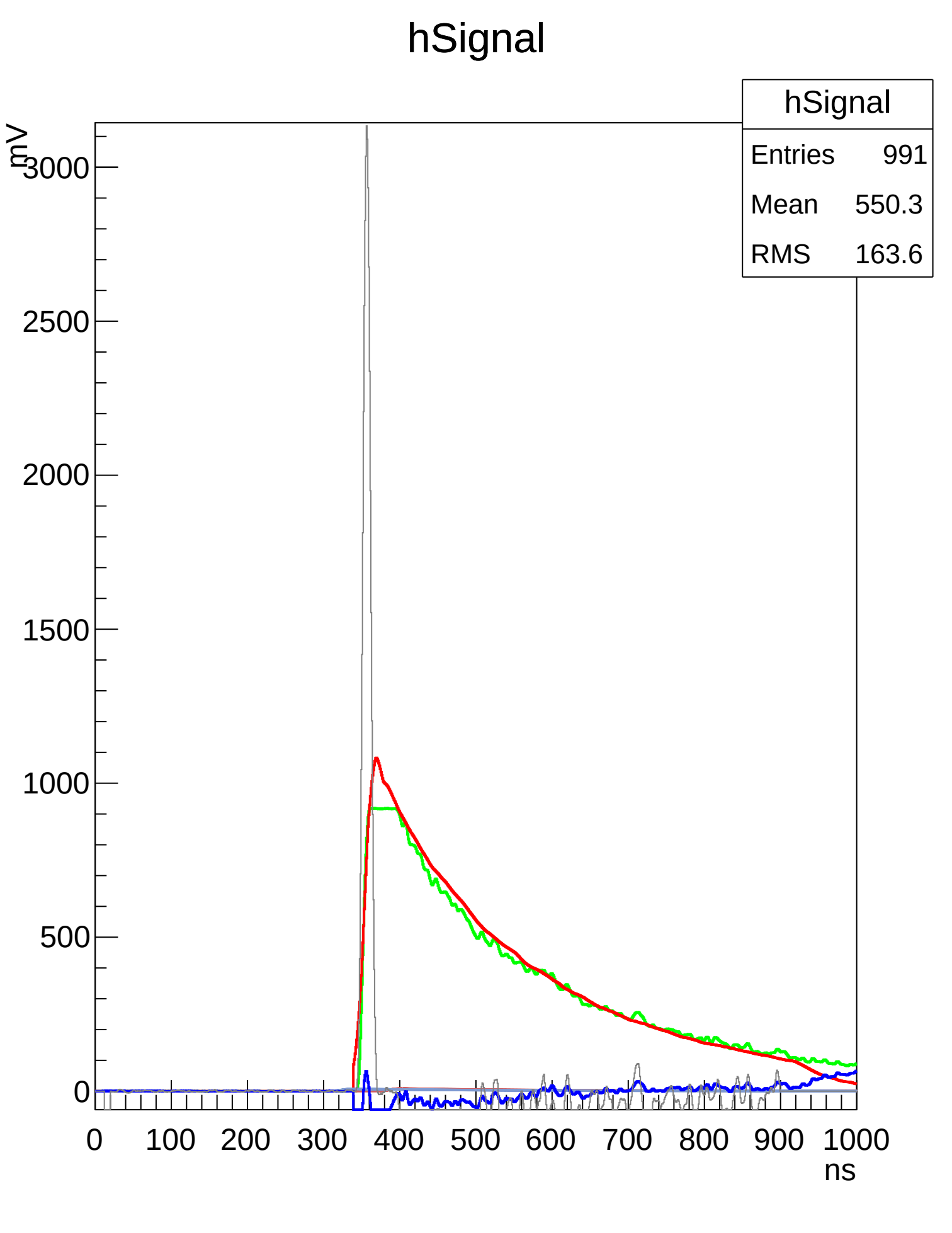

hSignal
hSignal
Entries 991
Mean 616.1
RMS 110.5
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

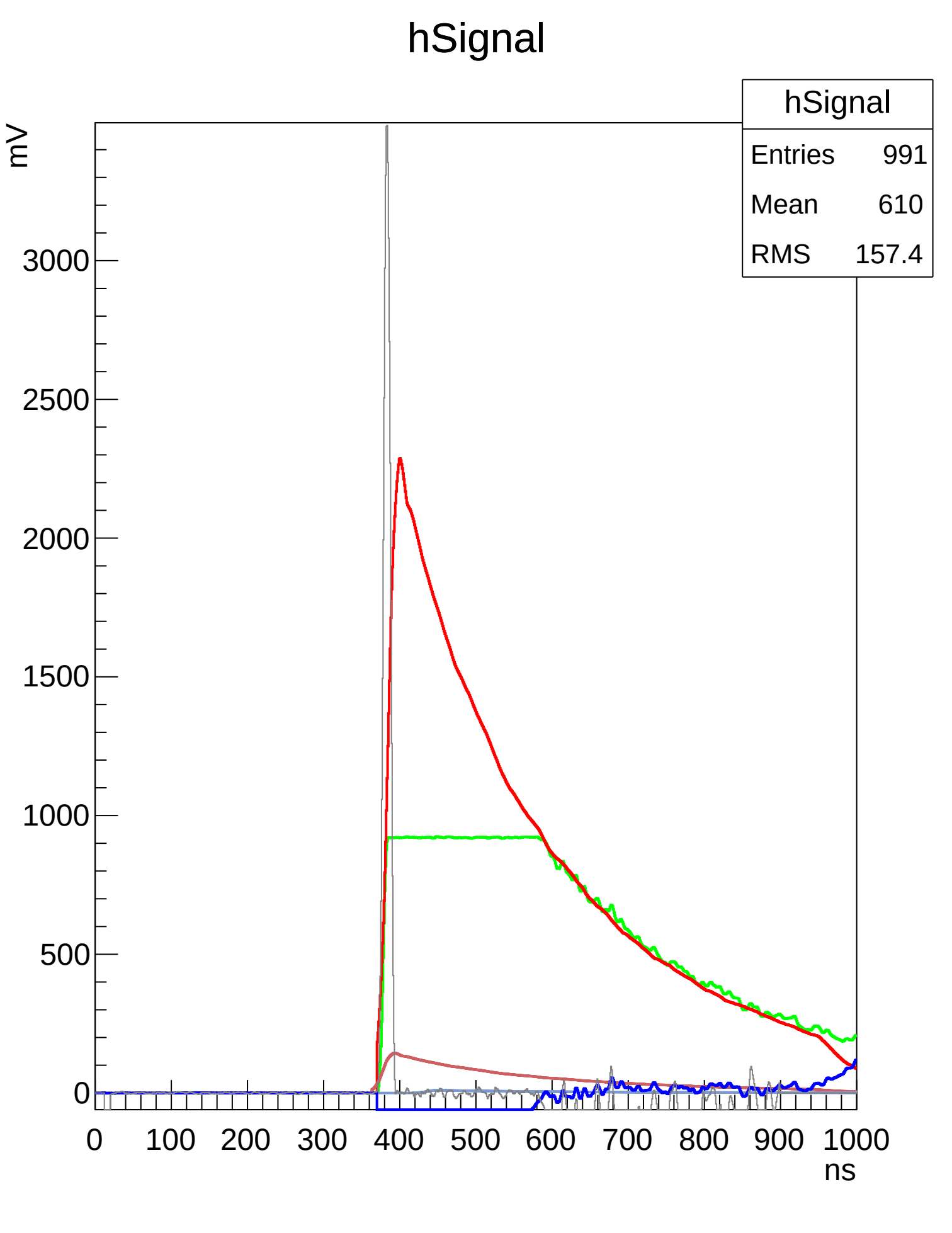

hSignal
hSignal
Entries 991
Mean 613.3
RMS 153.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

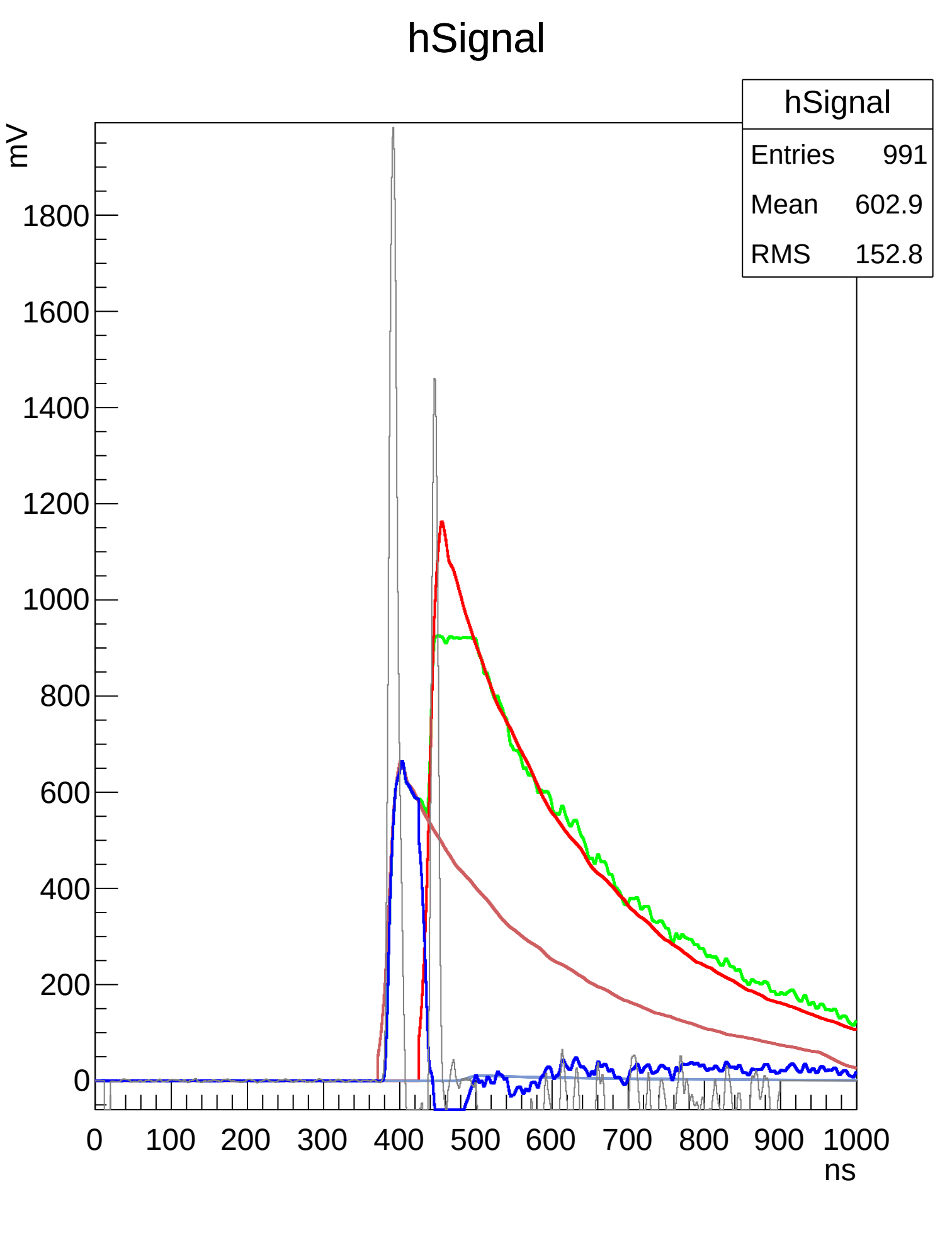

hSignal
hSignal
Entries 991
Mean 592.1
RMS 153.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

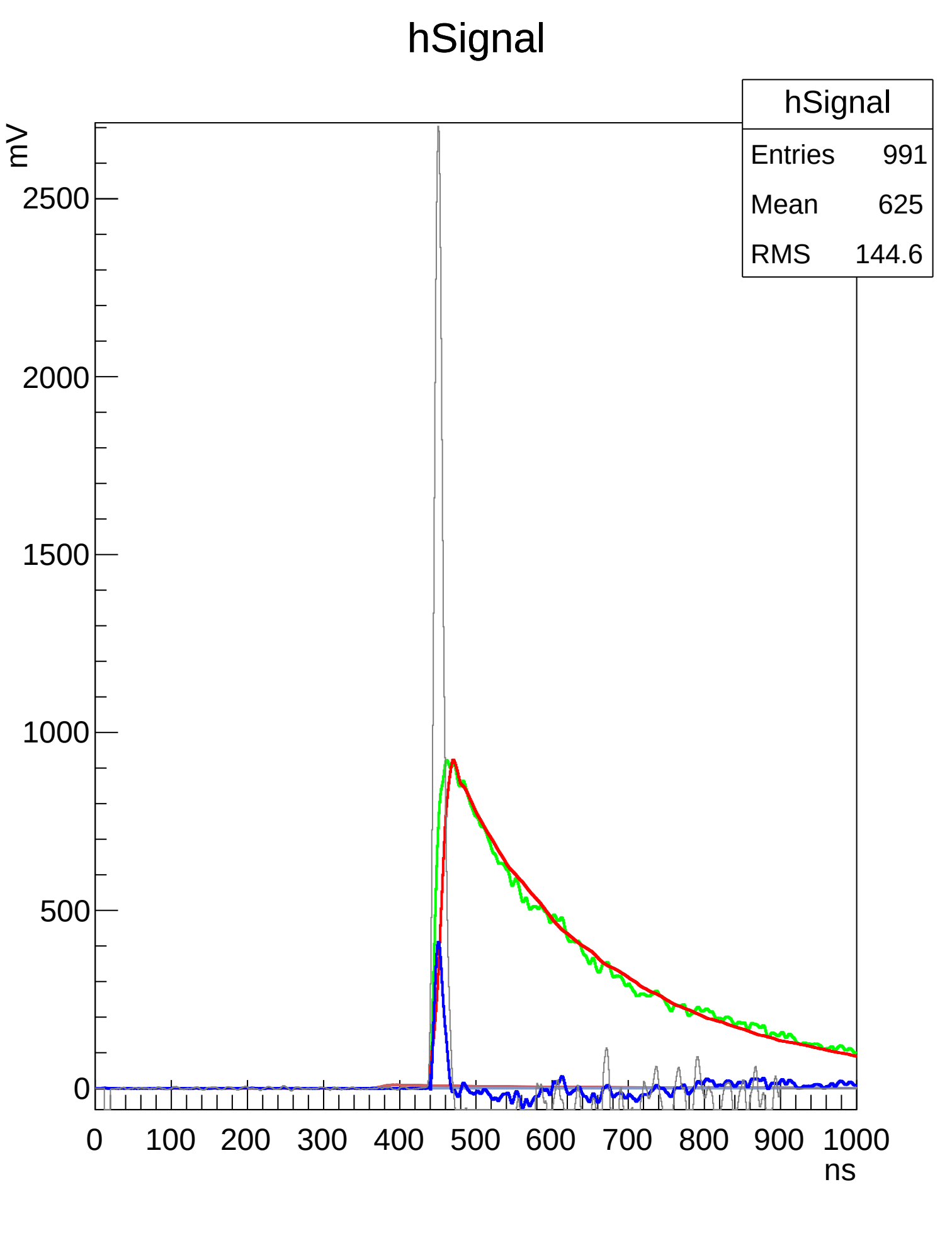

hSignal
hSignal
Entries 991
Mean 540.3
RMS 76.95
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

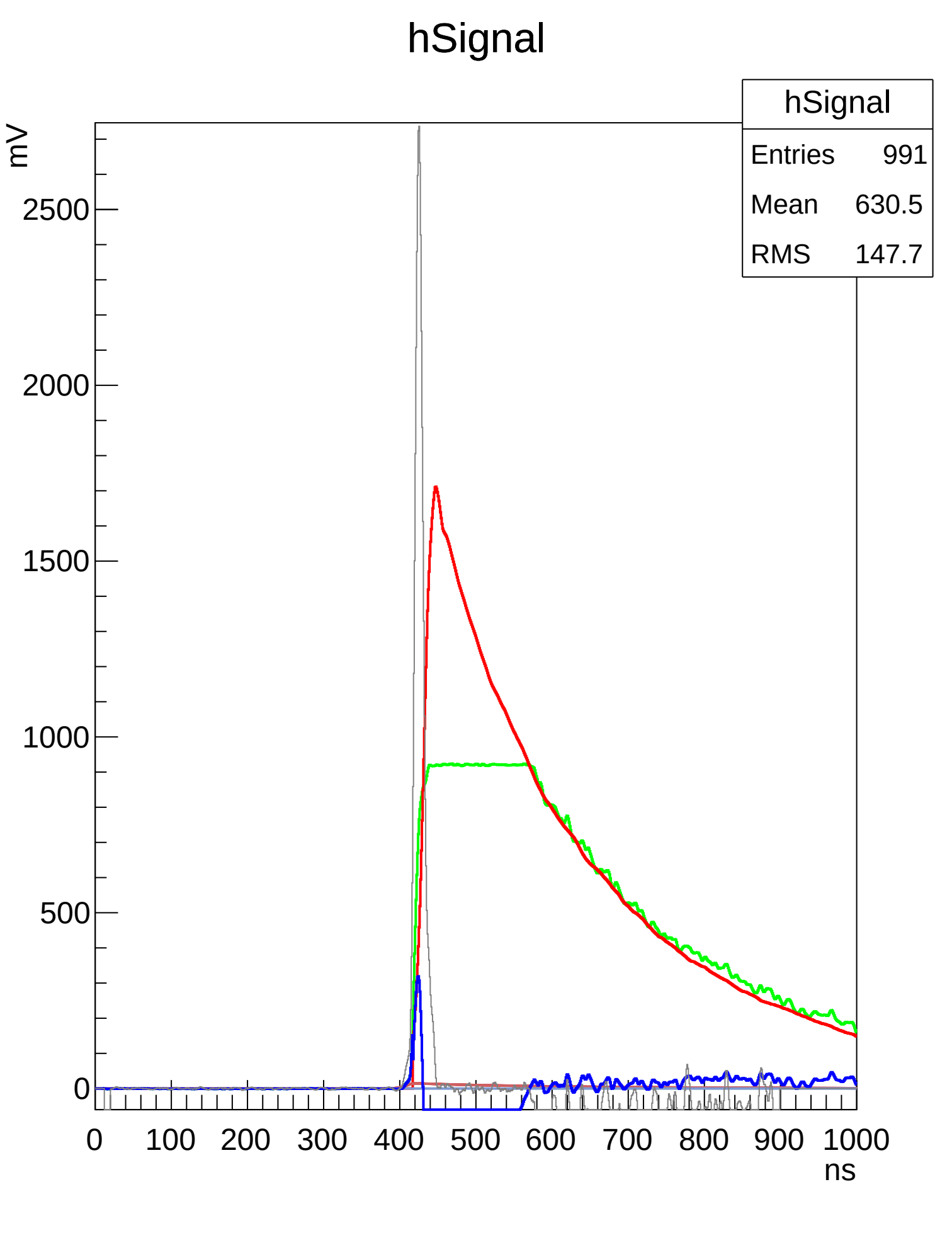

hSignal
hSignal
Entries 991
Mean 567.5
RMS 164.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

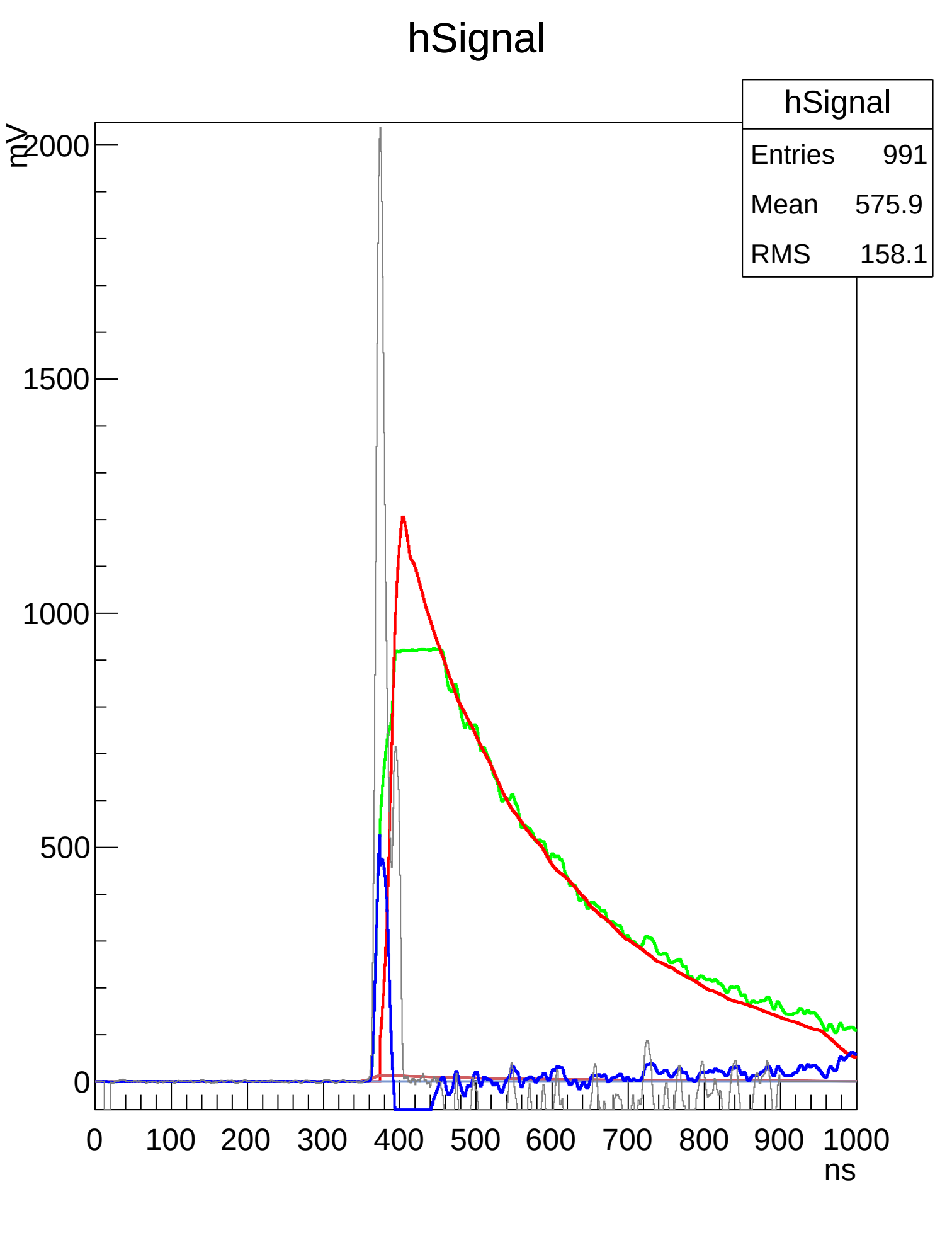

hSignal
hSignal
Entries 991
Mean 550.3
RMS 163.6
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

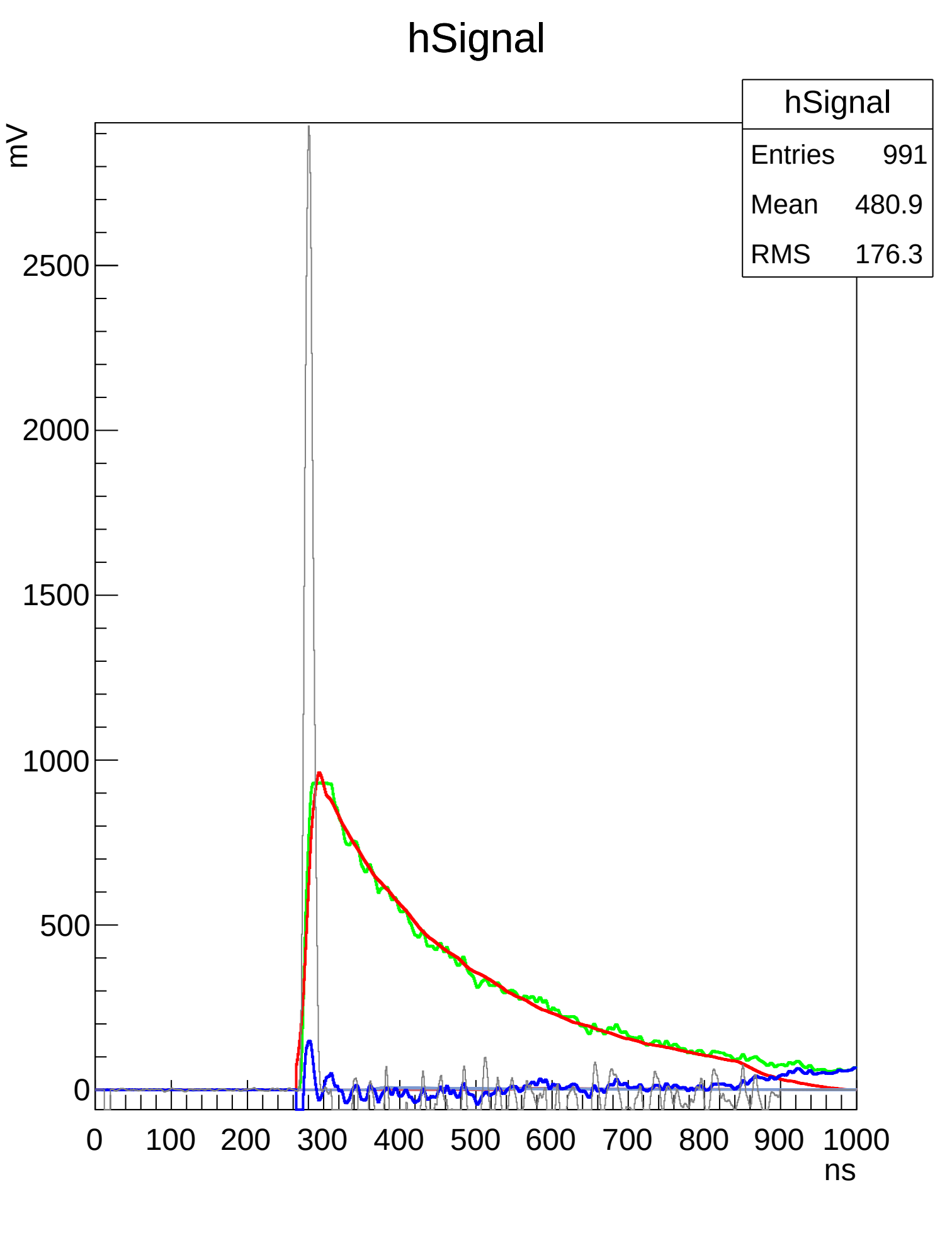

hSignal
hSignal
Entries 991
Mean 610
RMS 157.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

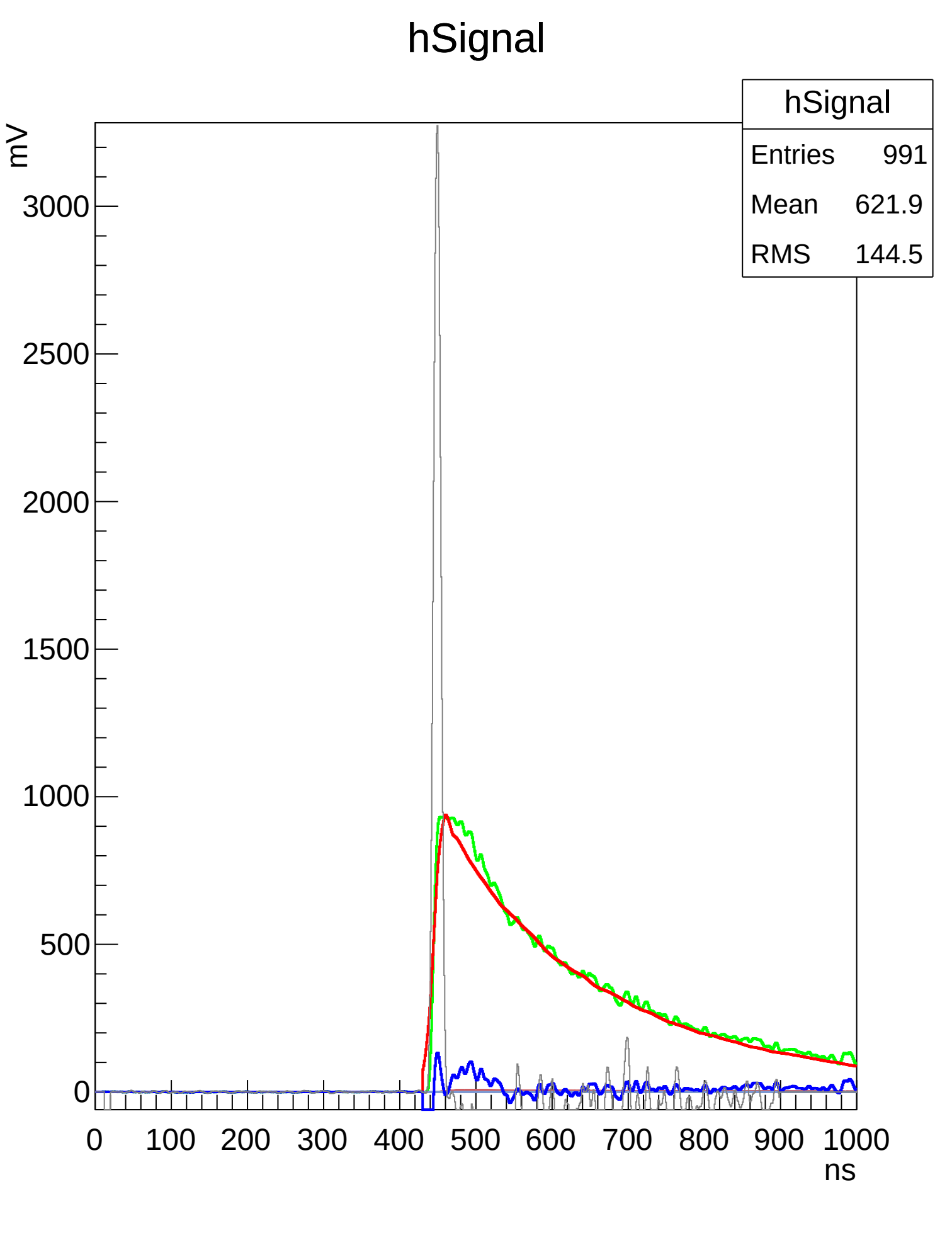

hSignal
hSignal
Entries 991
Mean 602.9
RMS 152.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

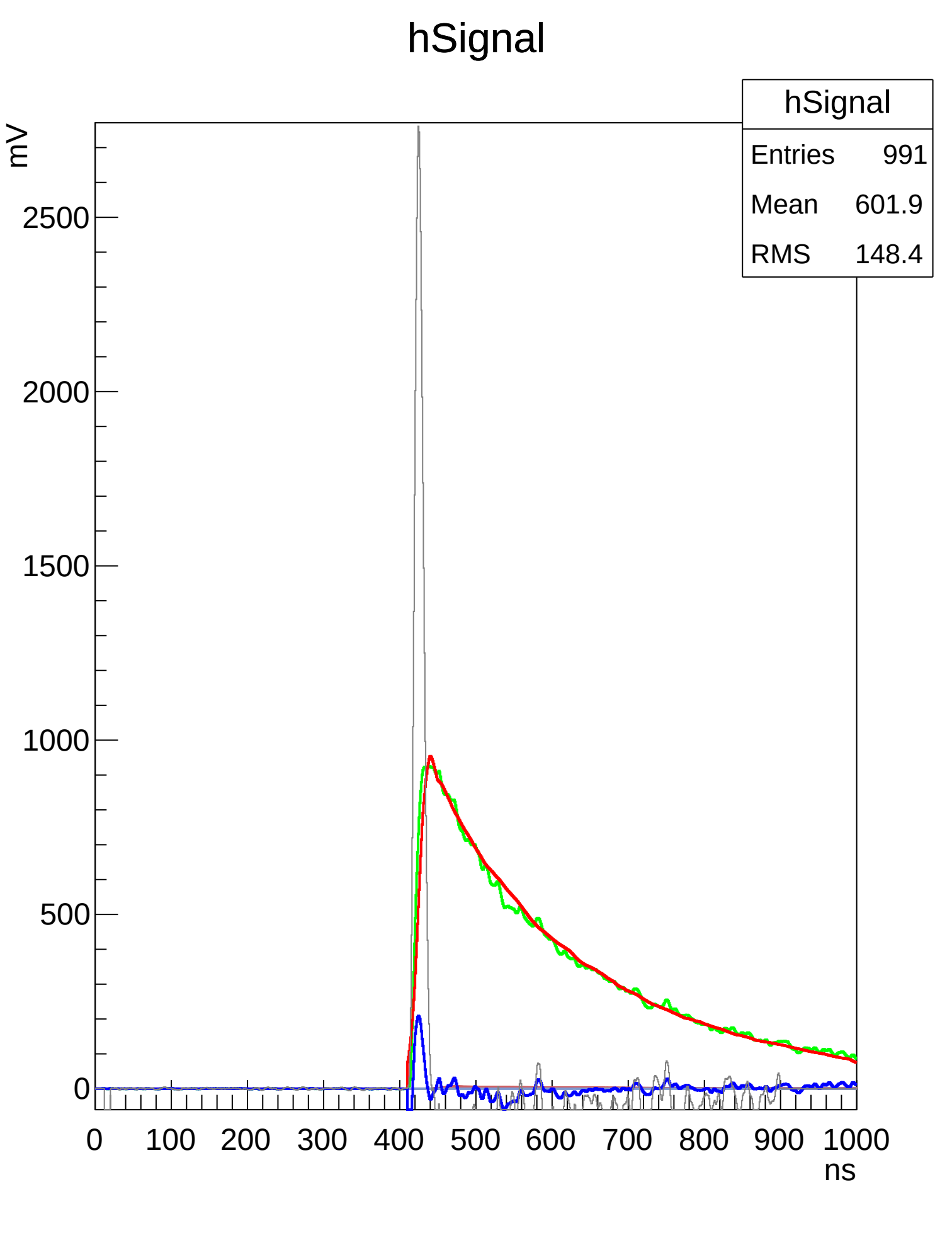

hSignal
hSignal
Entries 991
Mean 625
RMS 144.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

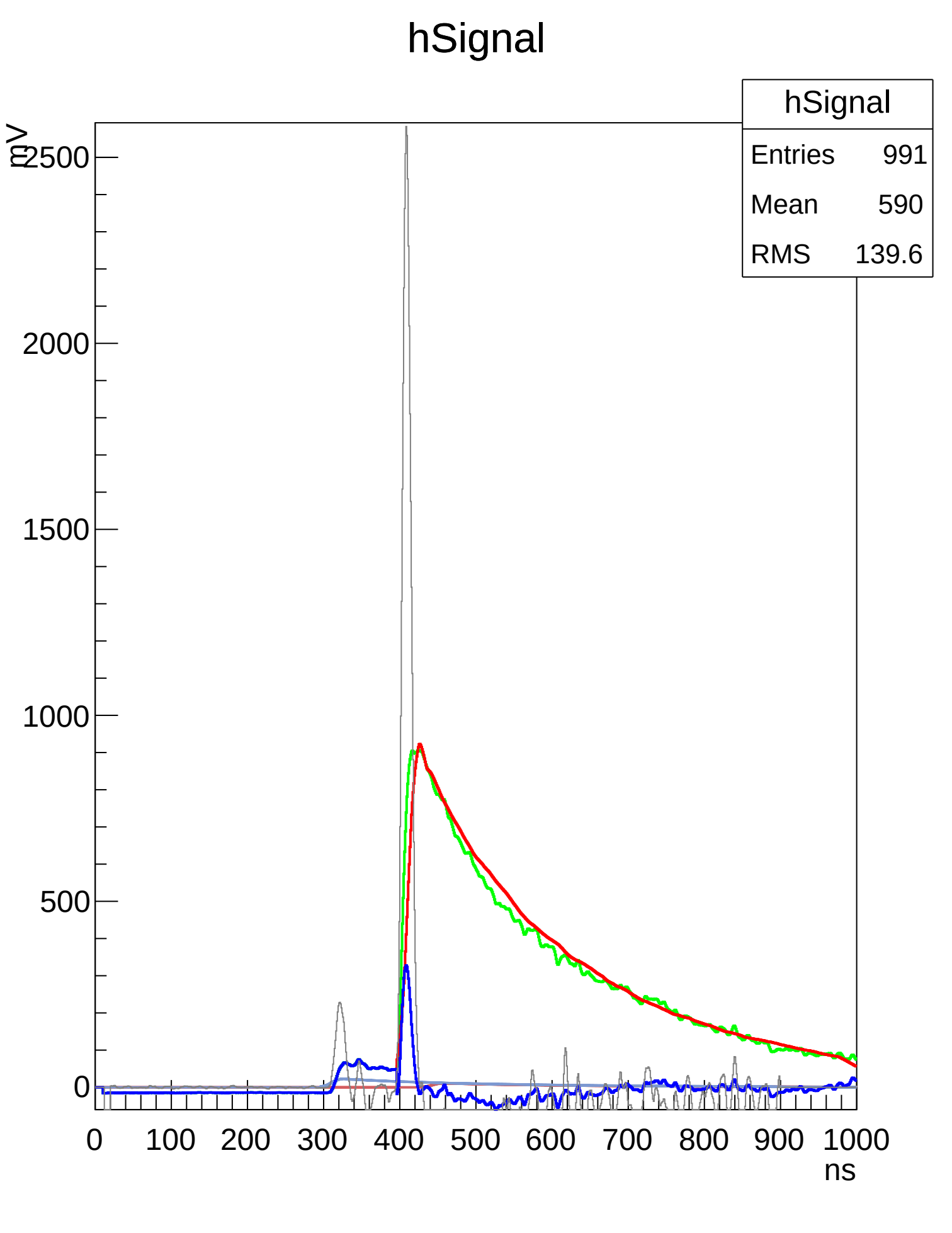

hSignal
hSignal
Entries 991
Mean 630.5
RMS 147.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

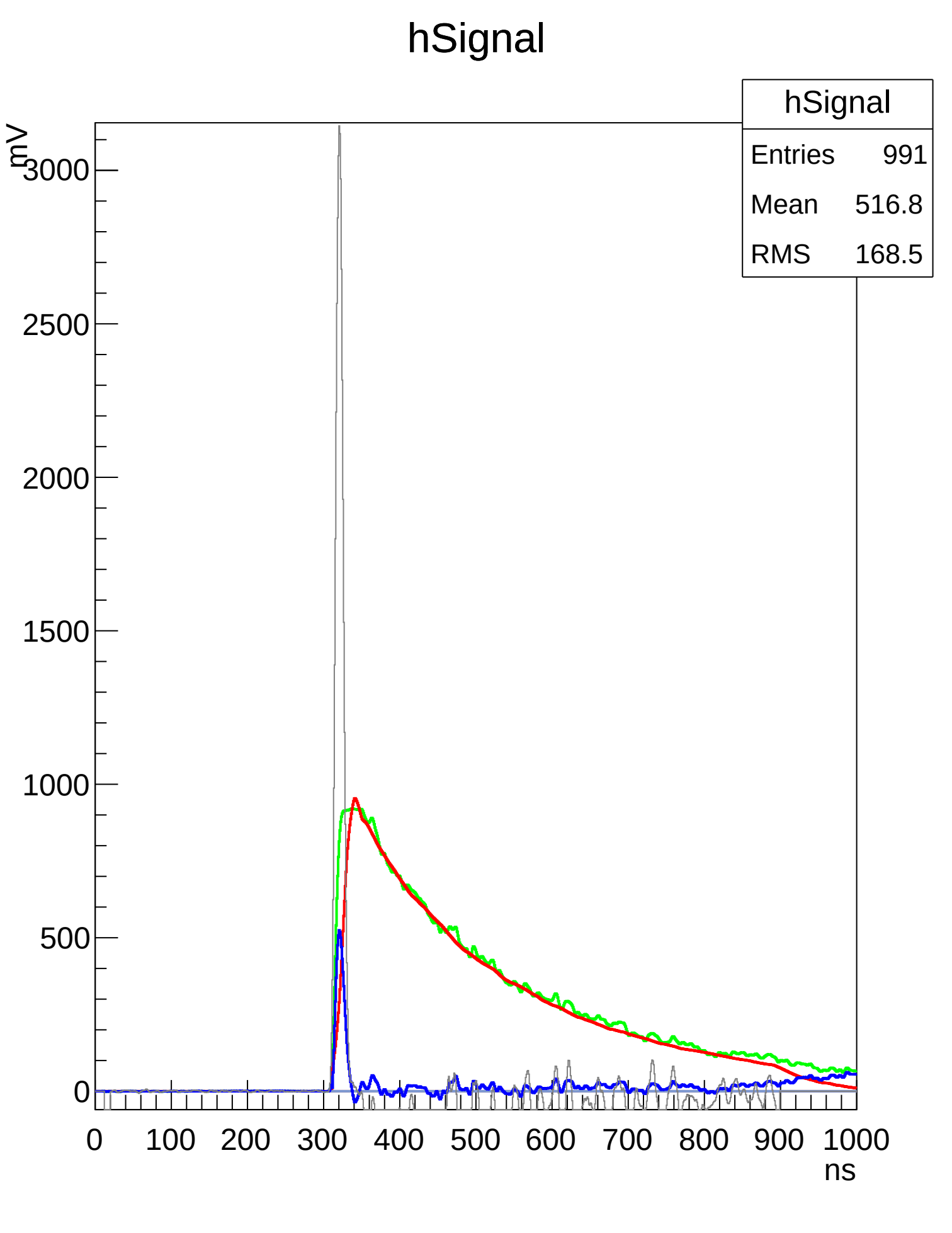

hSignal
hSignal
Entries 991
Mean 575.9
RMS 158.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

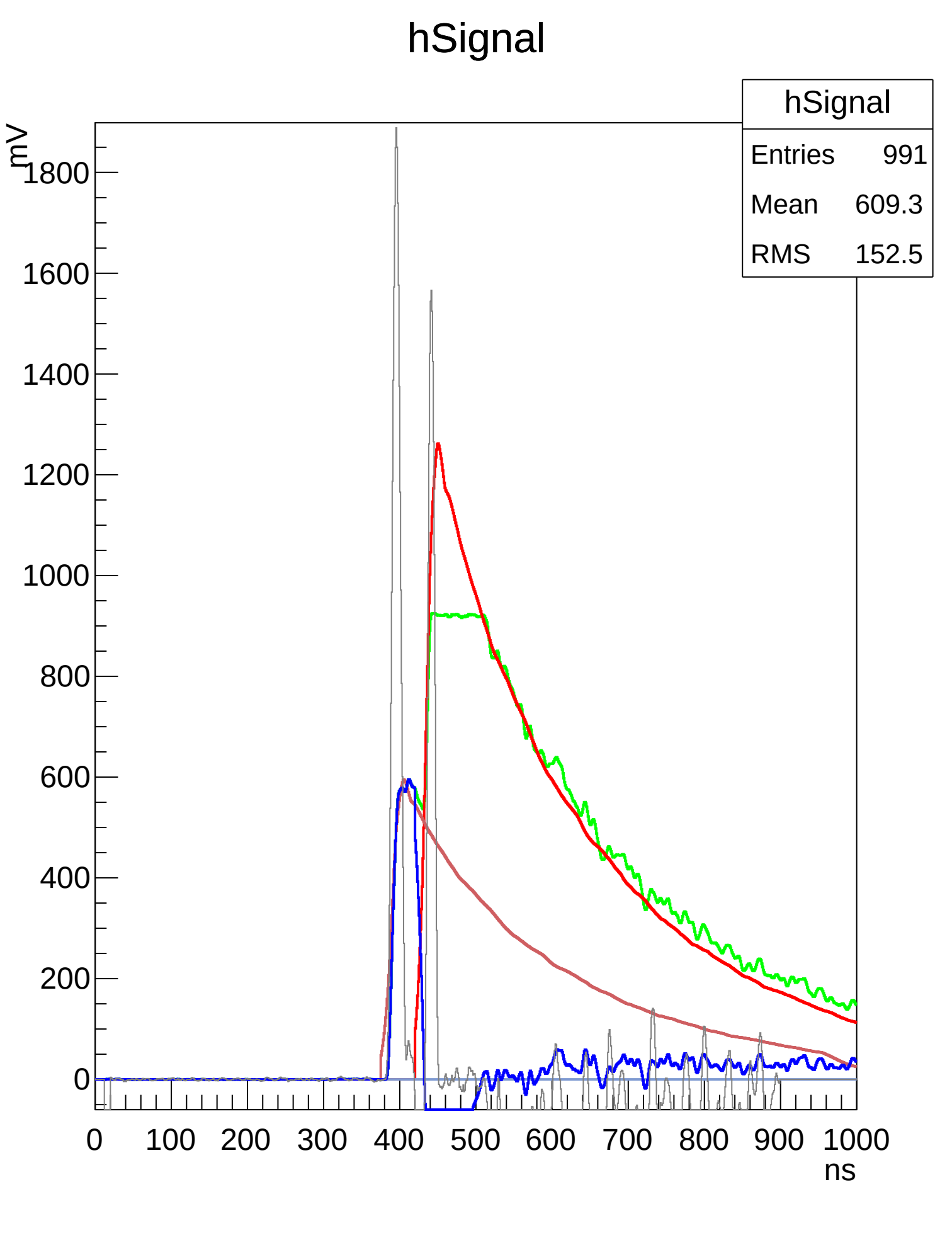

hSignal
hSignal
Entries 991
Mean 480.9
RMS 176.3
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

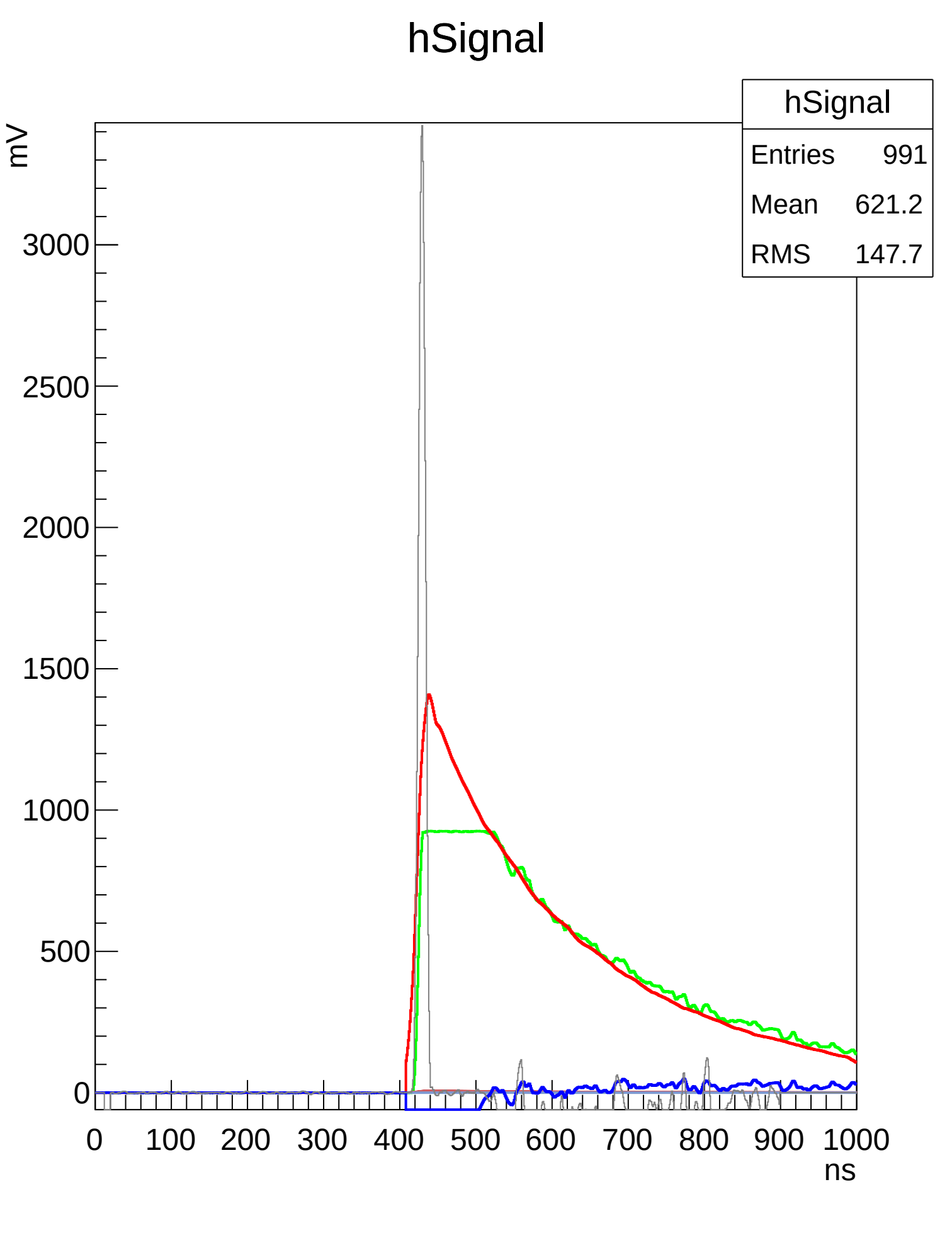

hSignal
hSignal
Entries 991
Mean 621.9
RMS 144.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

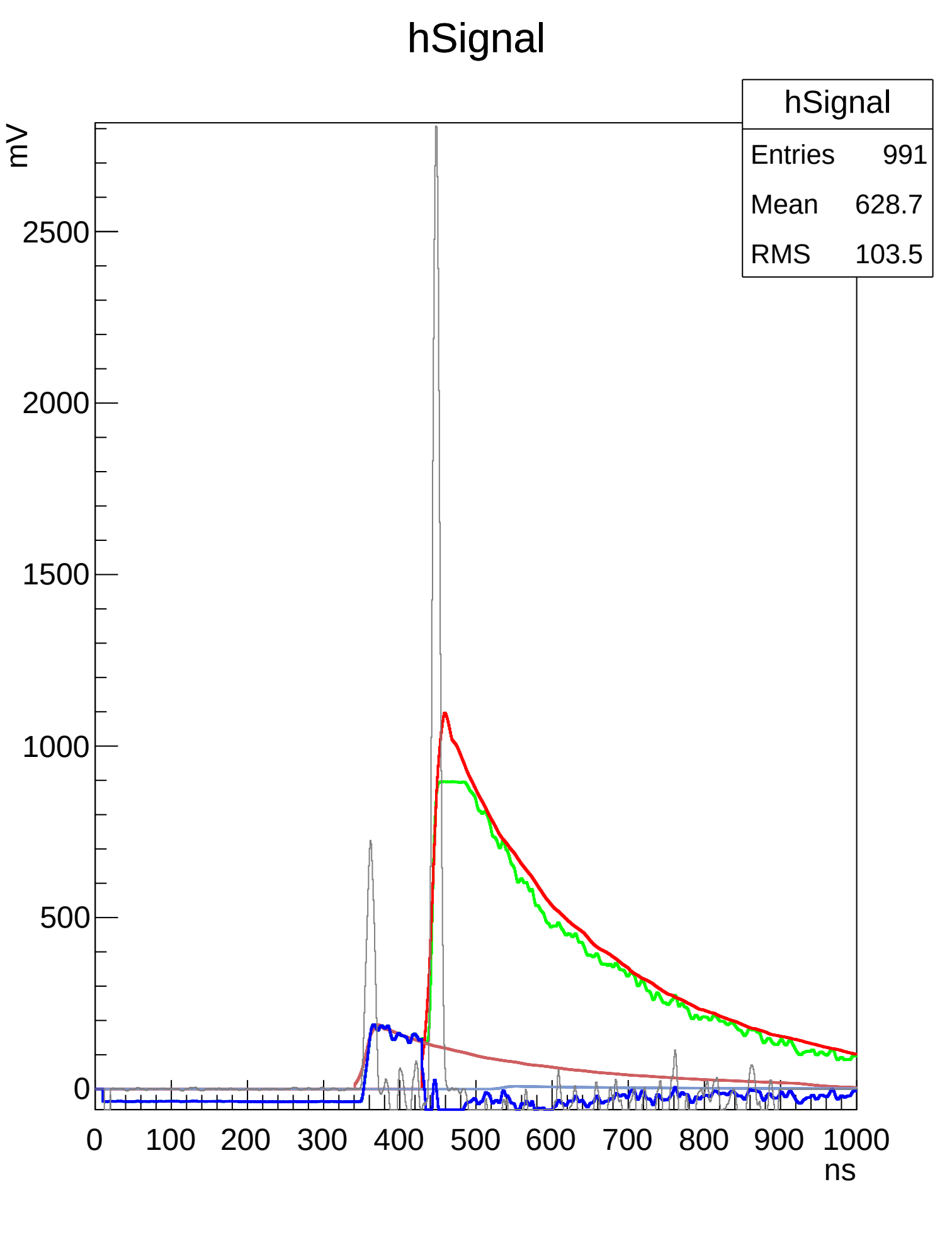

hSignal
hSignal
Entries 991
Mean 601.9
RMS 148.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

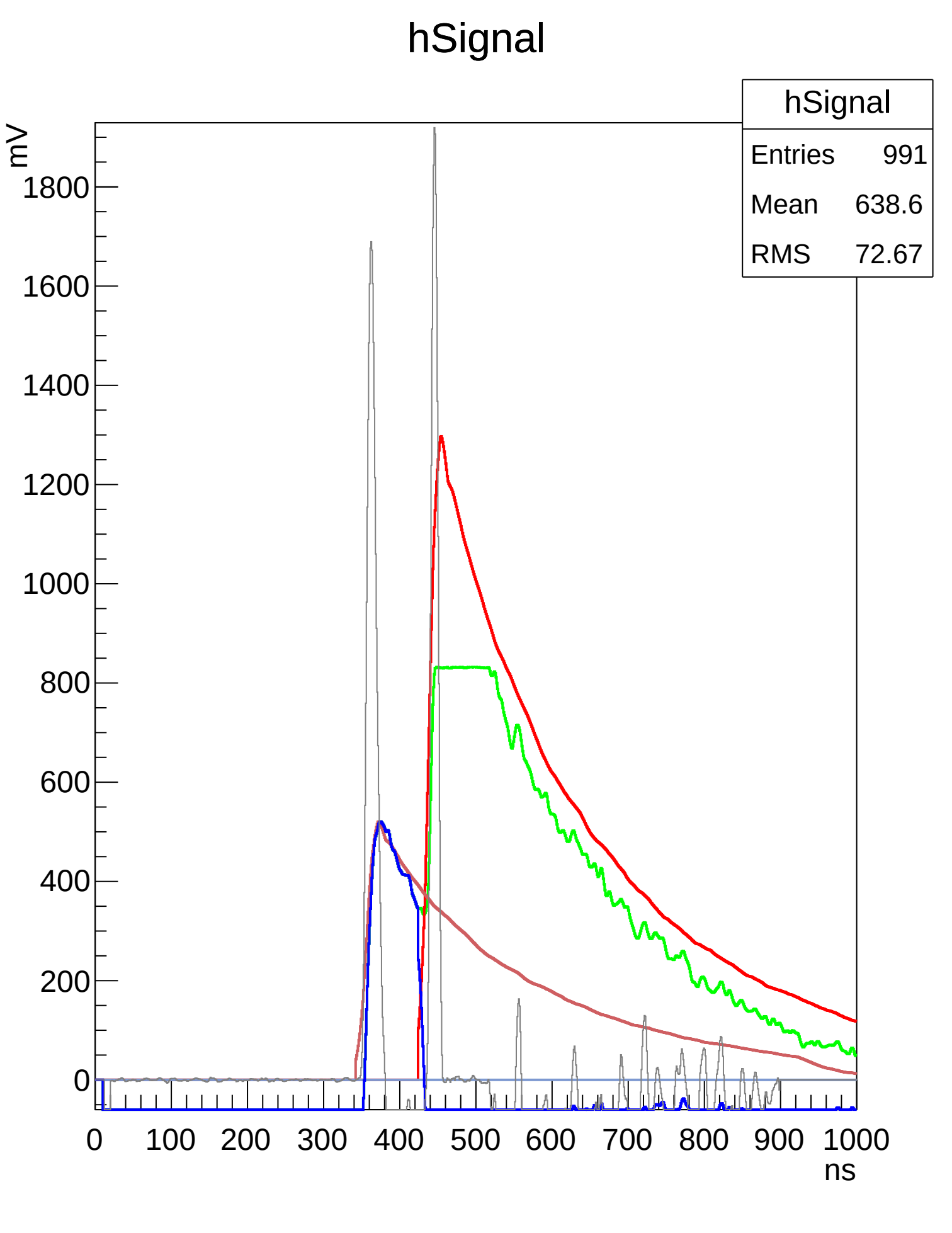

hSignal
hSignal
Entries 991
Mean 590
RMS 139.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

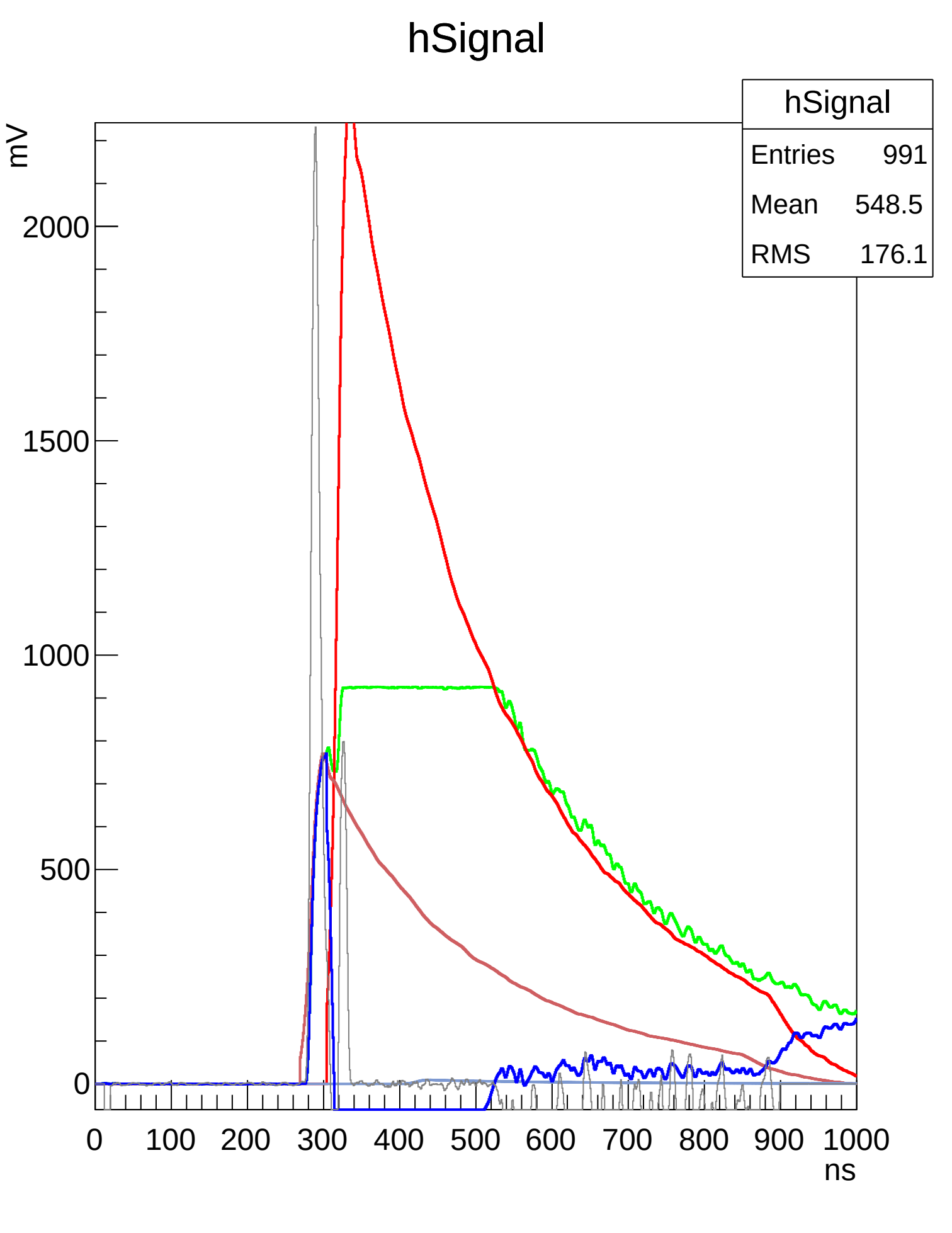

hSignal
hSignal
Entries 991
Mean 516.8
RMS 168.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

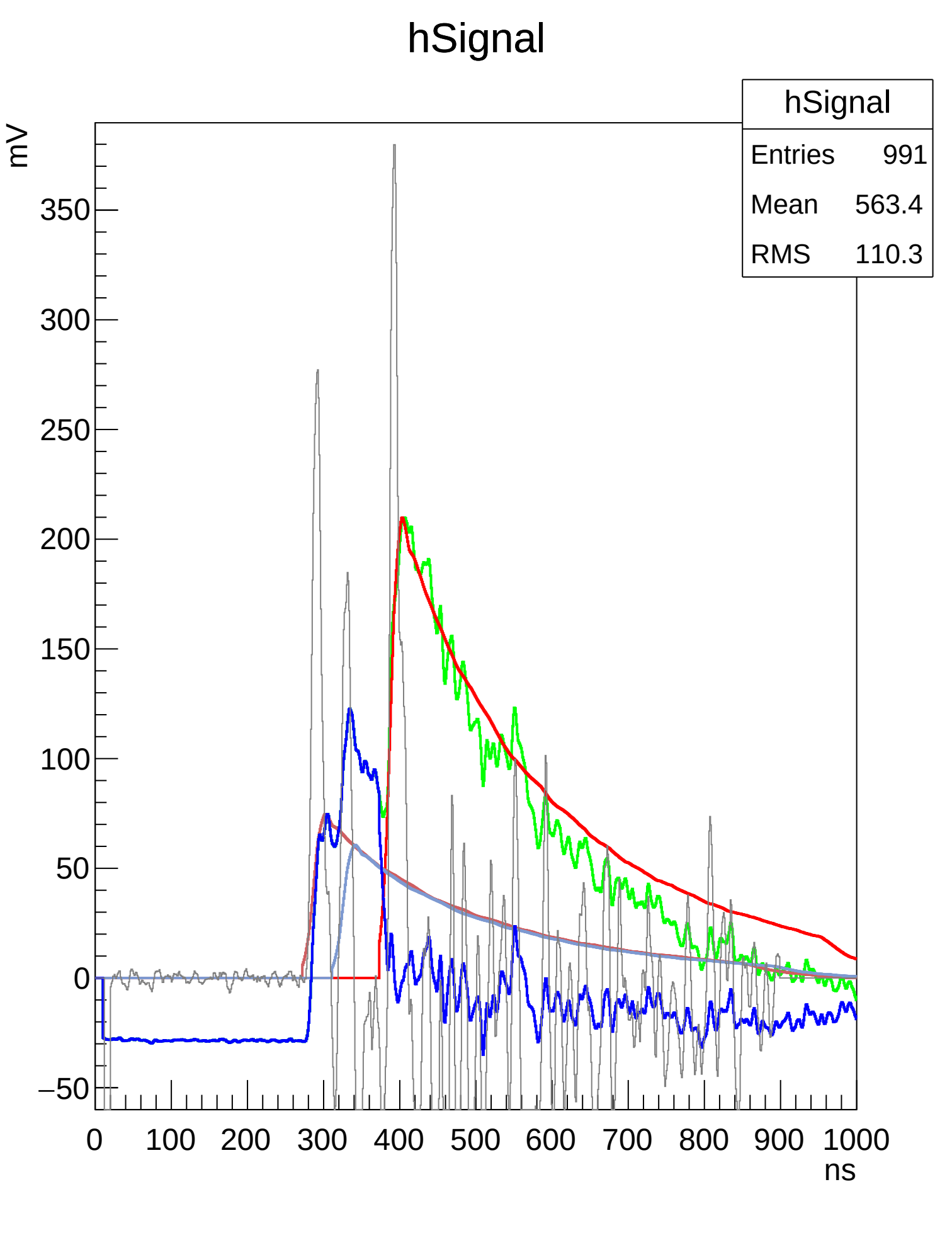

hSignal
hSignal
Entries 991
Mean 609.3
RMS 152.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

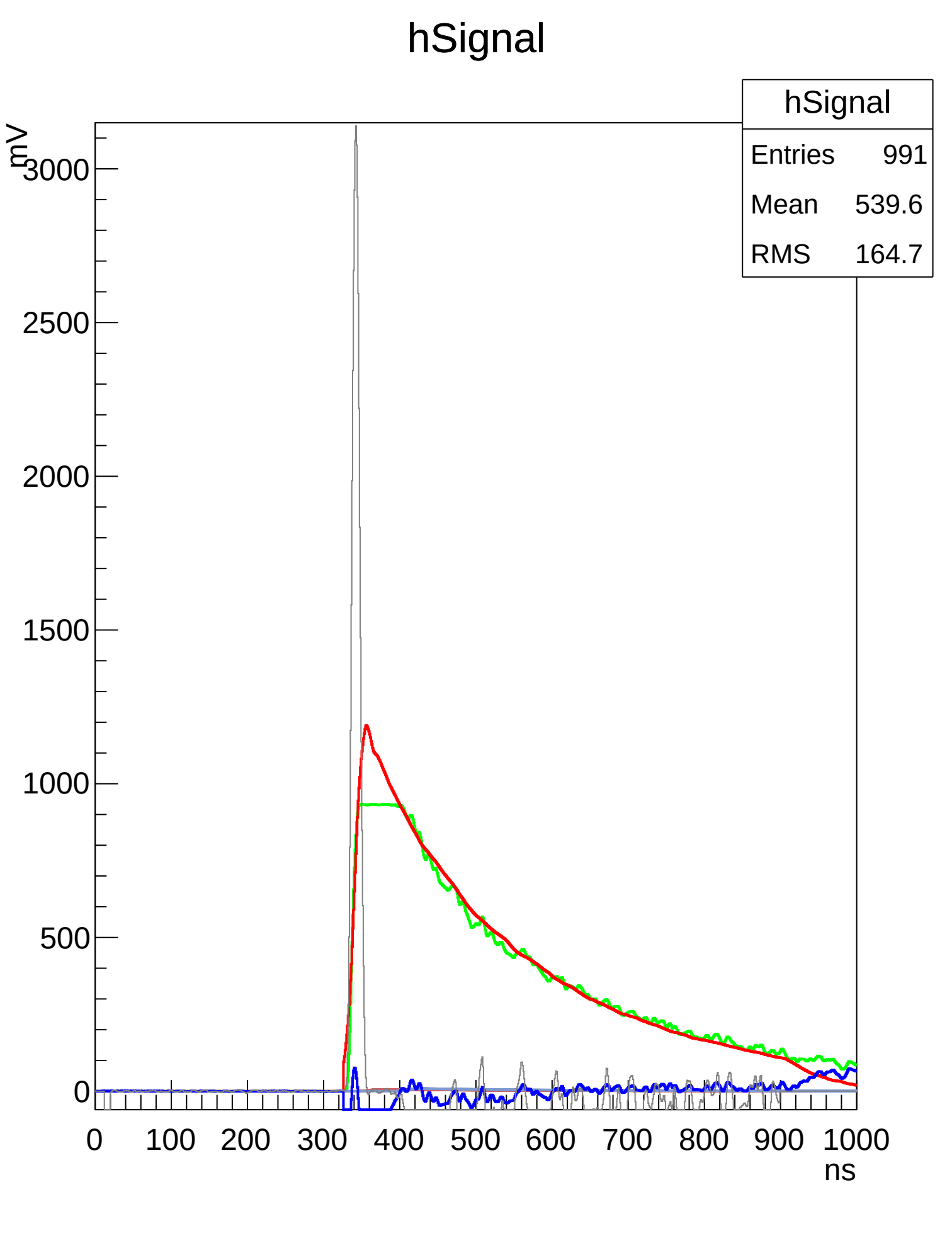

hSignal
hSignal
Entries 991
Mean 621.2
RMS 147.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

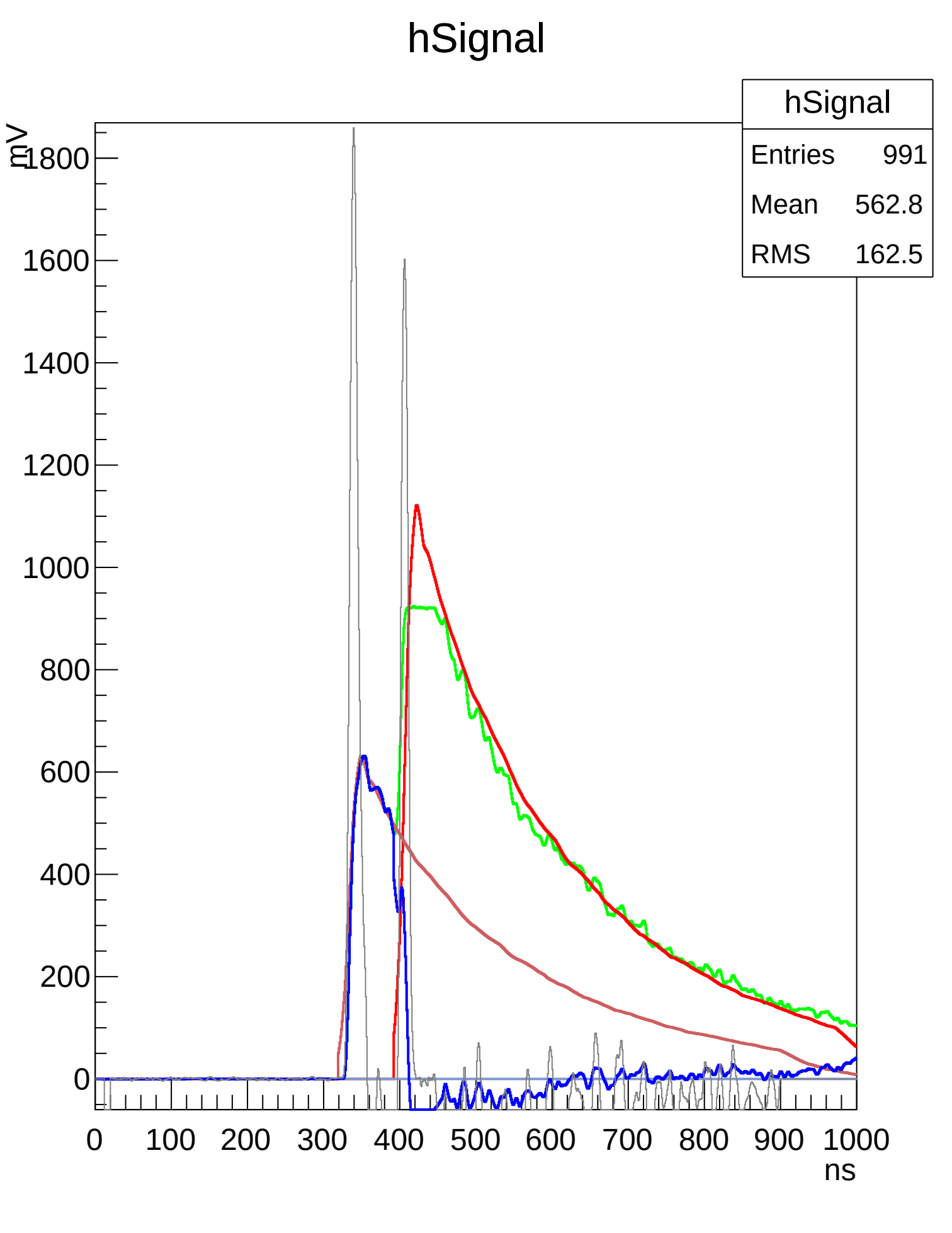

hSignal
hSignal
Entries 991
Mean 628.7
RMS 103.5
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

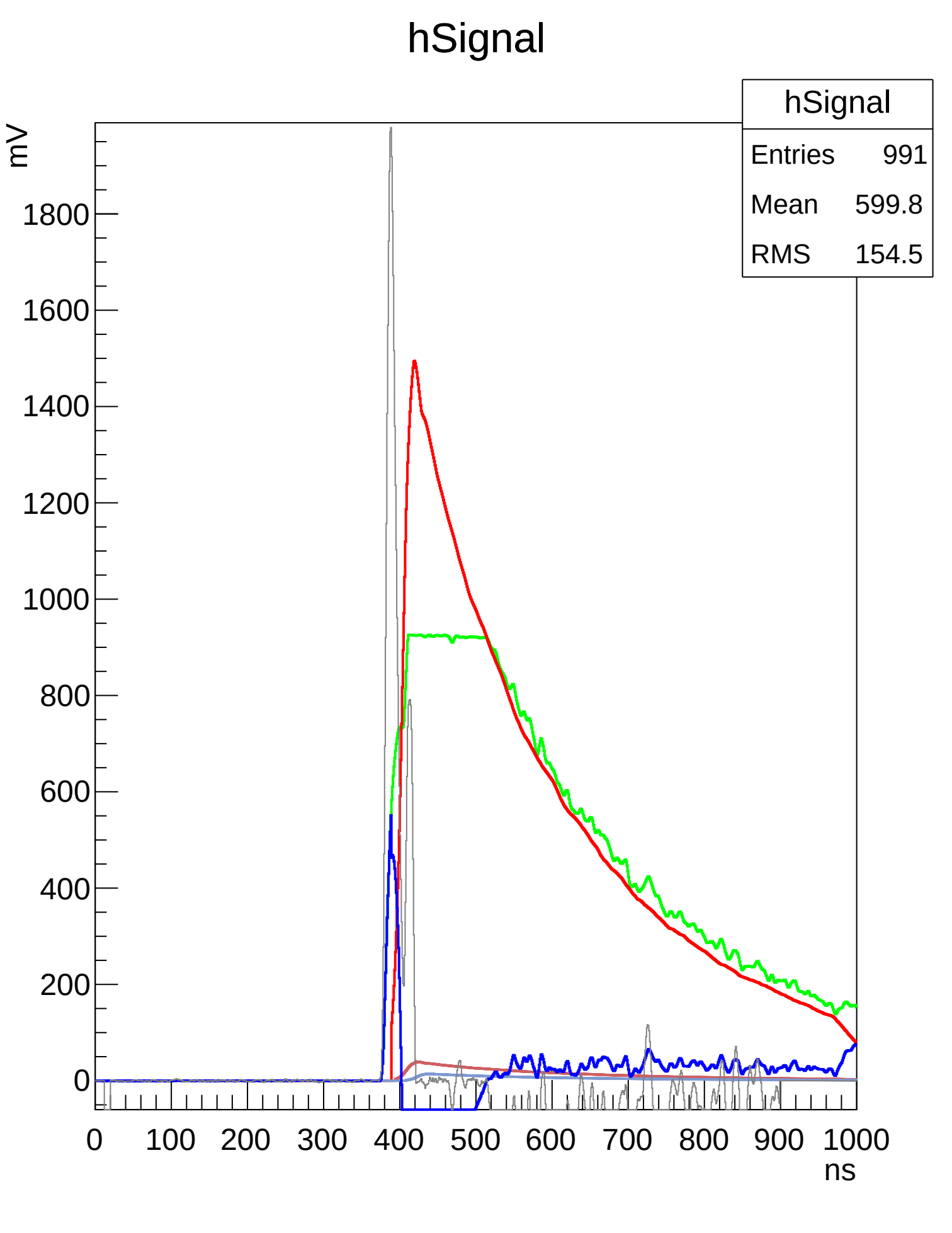

hSignal
hSignal
Entries 991
Mean 638.6
RMS 72.67
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

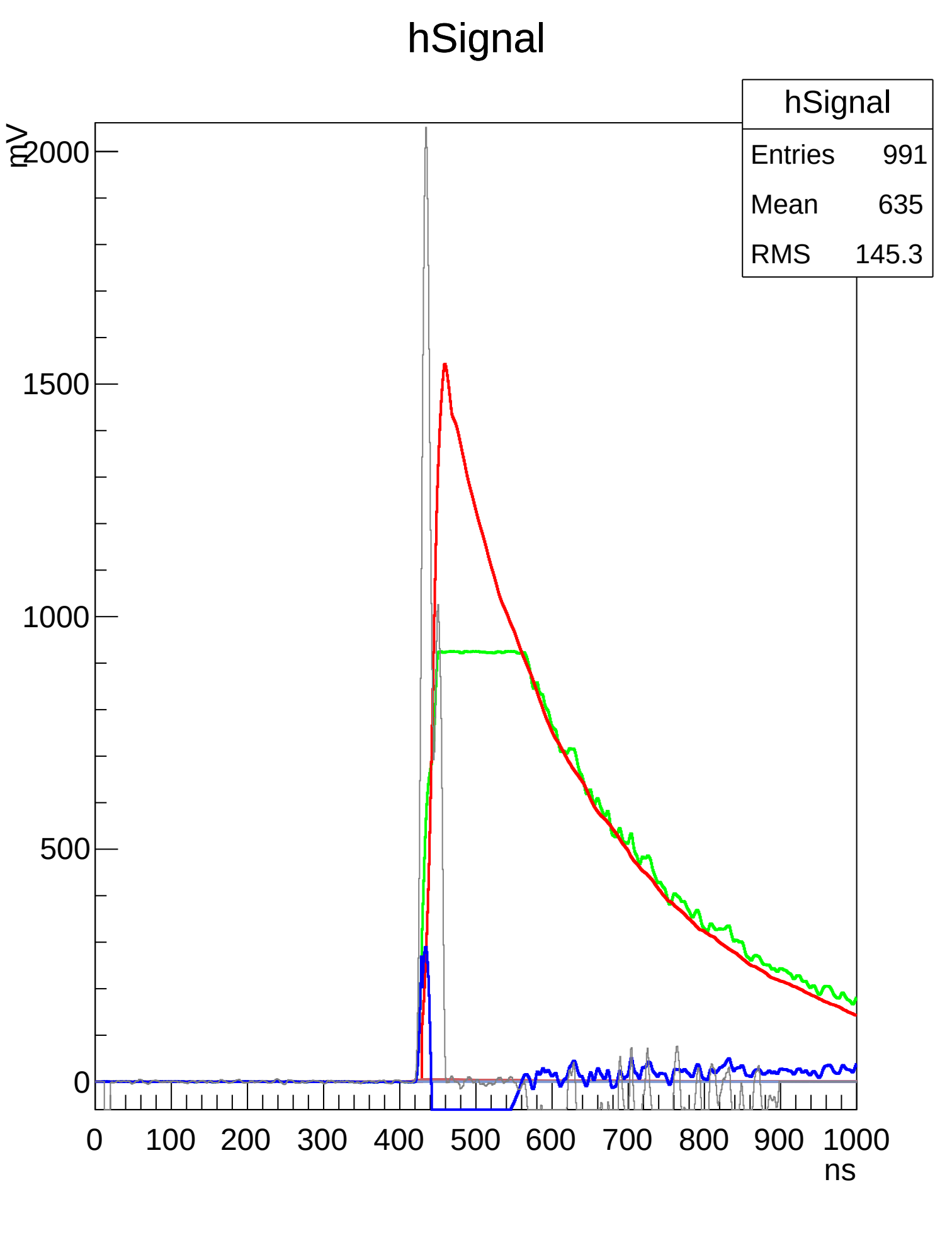

hSignal
hSignal
Entries 991
Mean 548.5
RMS 176.1
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

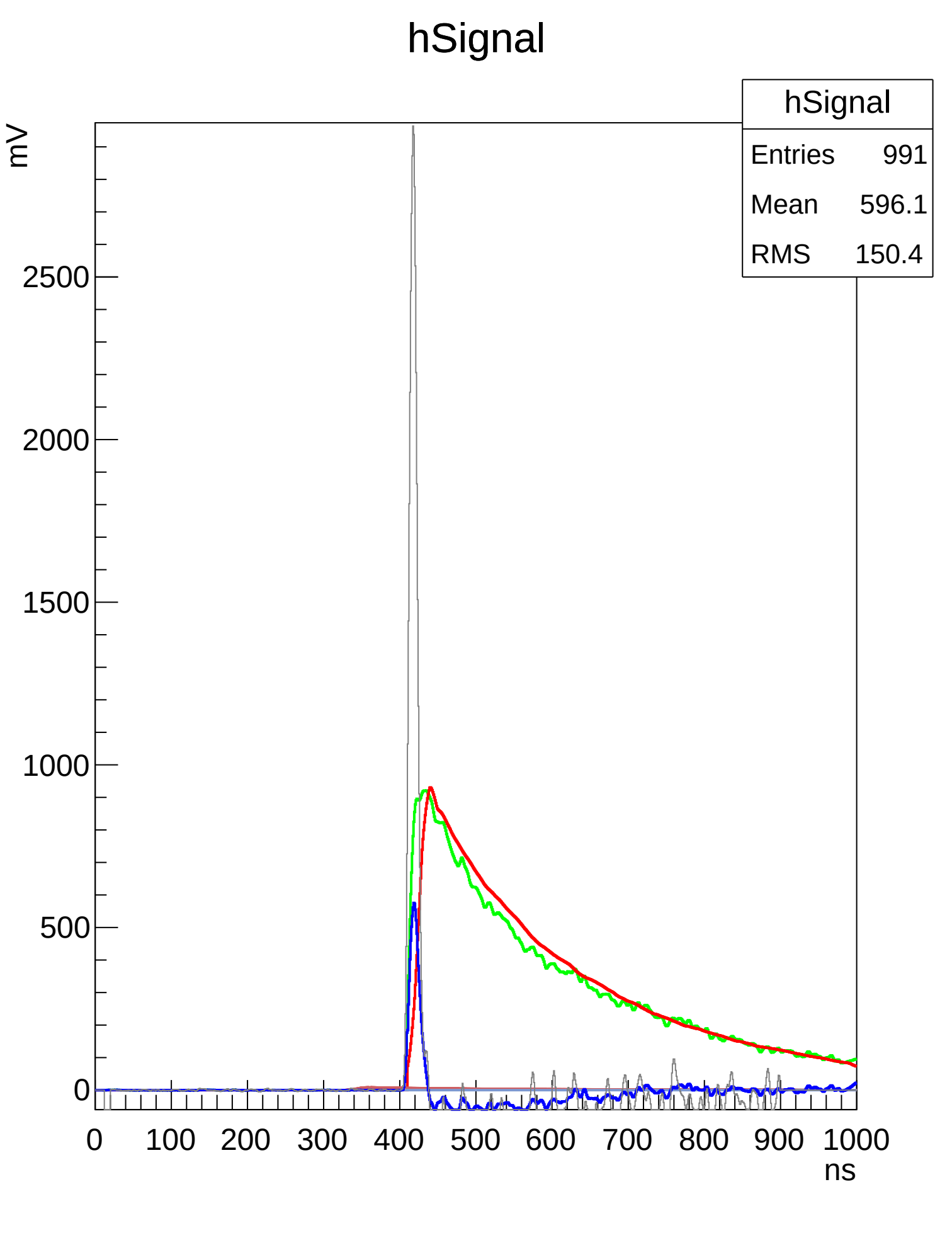

hSignal
hSignal
Entries 991
Mean 563.4
RMS 110.3
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

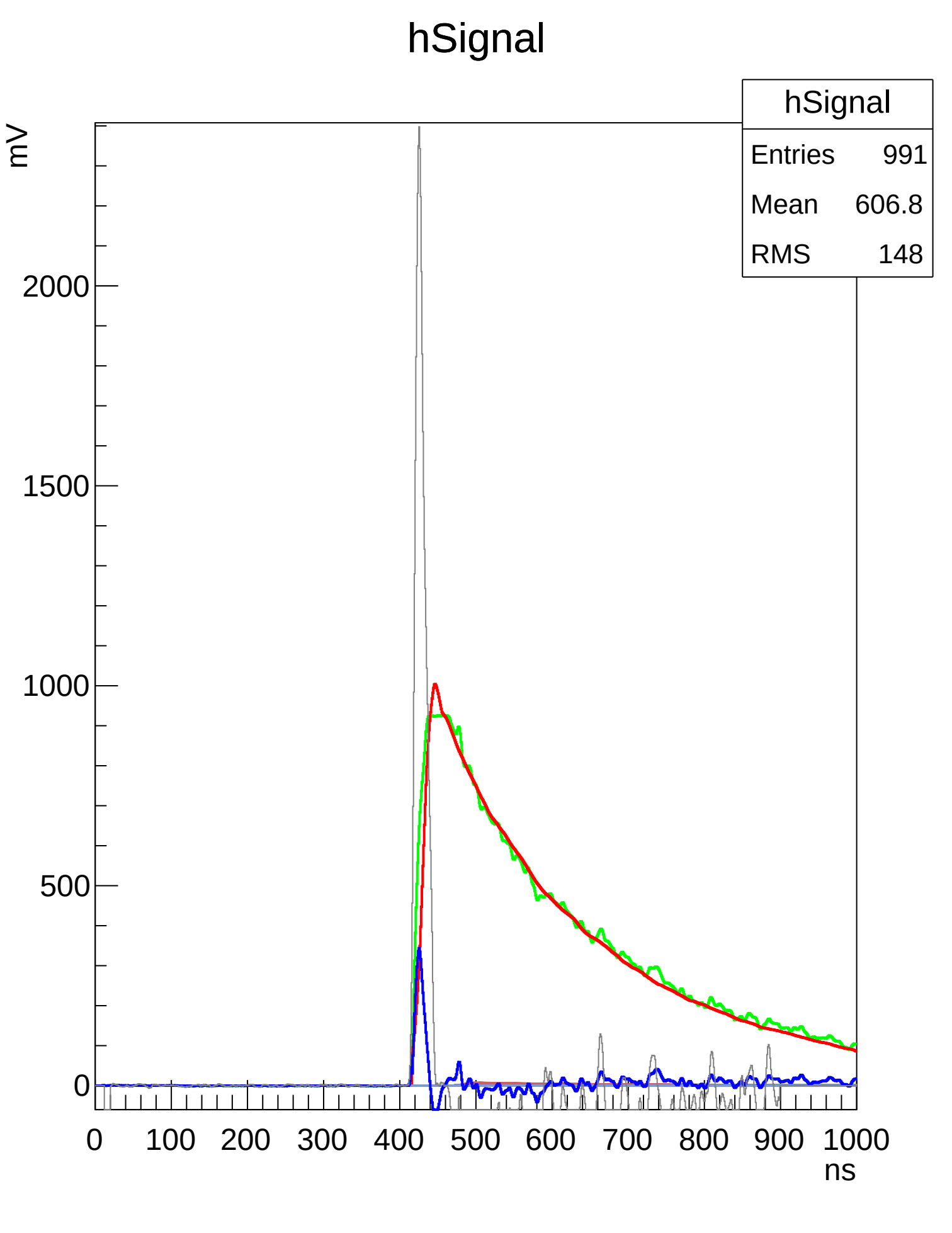

hSignal
hSignal
Entries 991
Mean 539.6
RMS 164.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

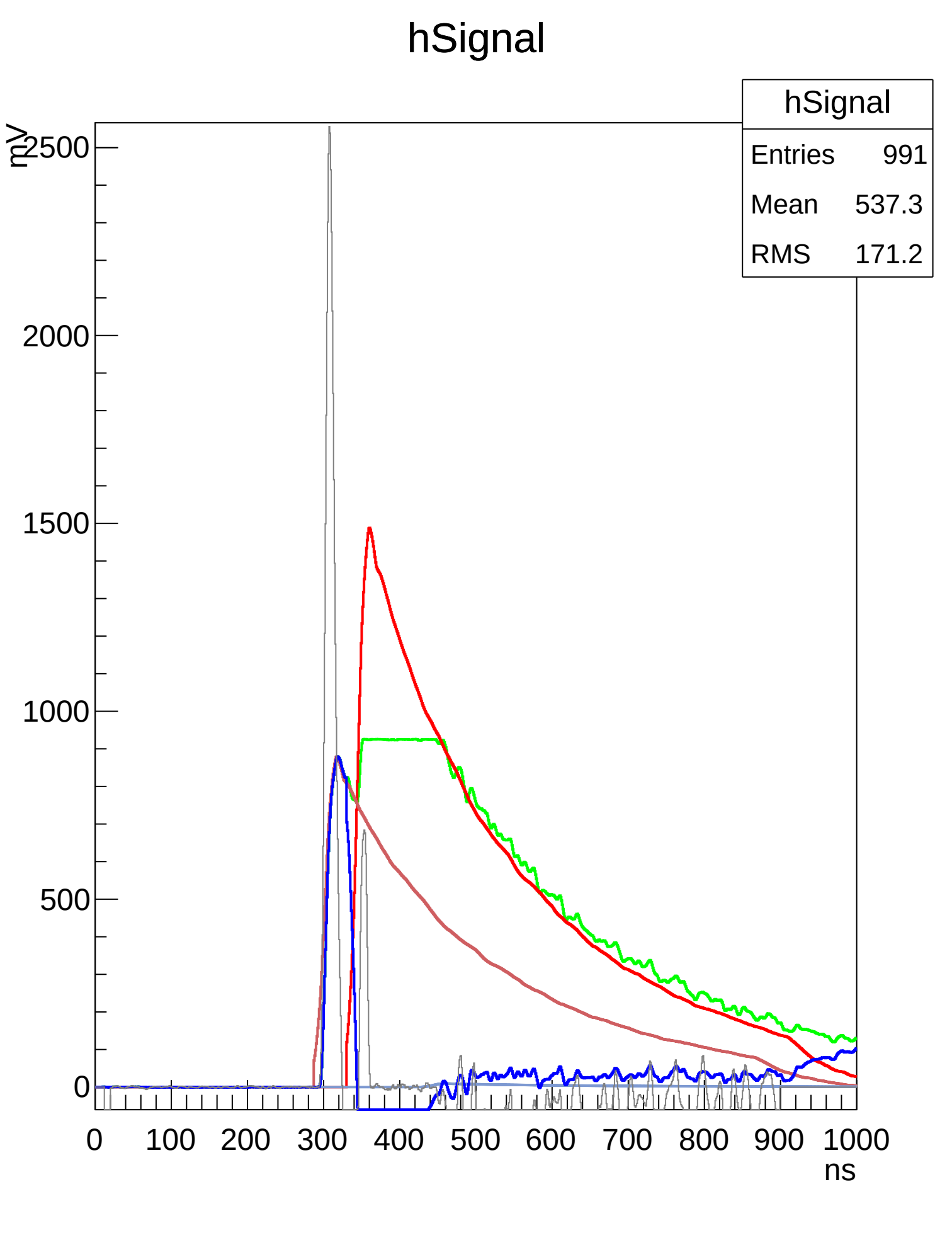

hSignal
hSignal
Entries 991
Mean 562.8
RMS 162.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

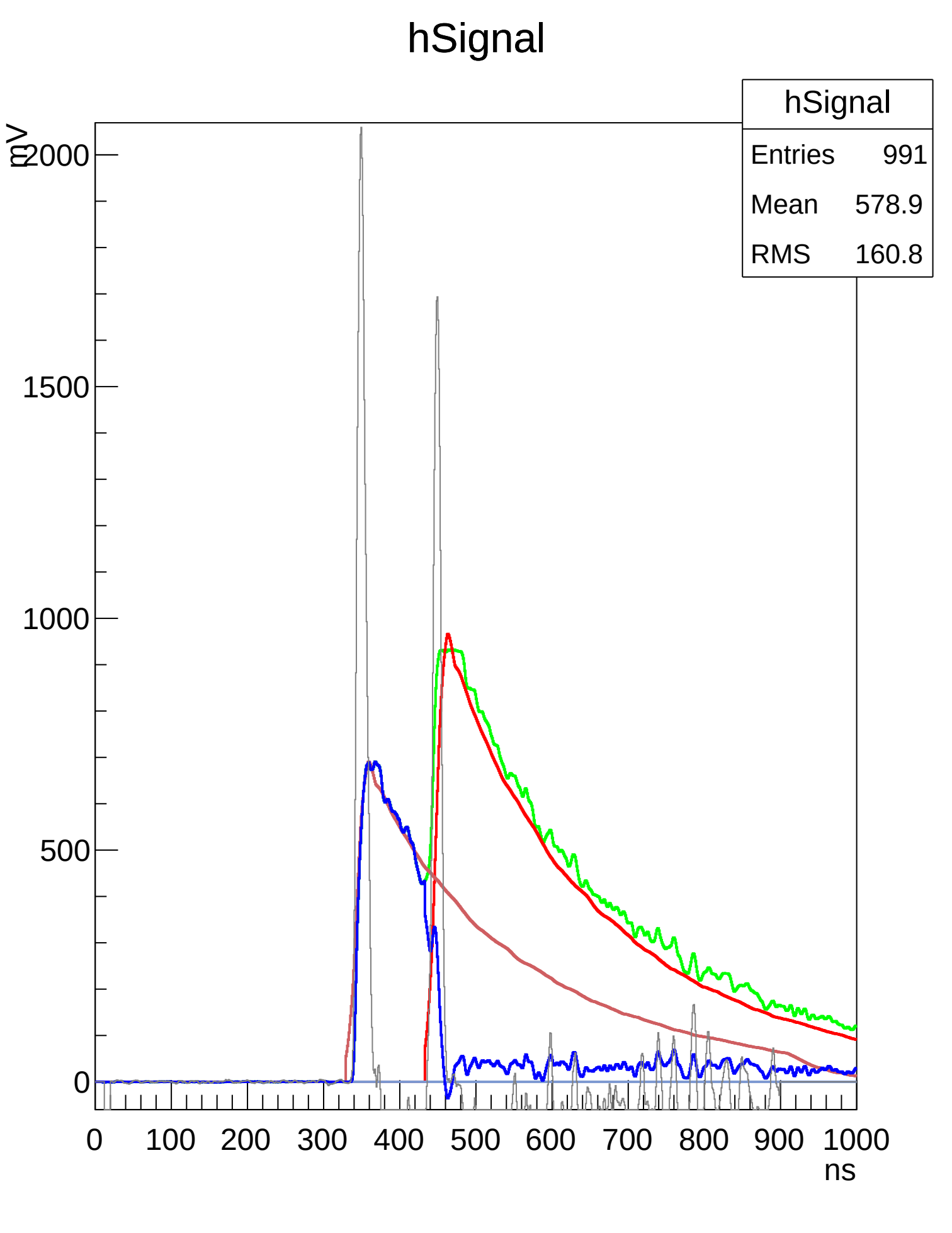

hSignal
hSignal
Entries 991
Mean 599.8
RMS 154.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

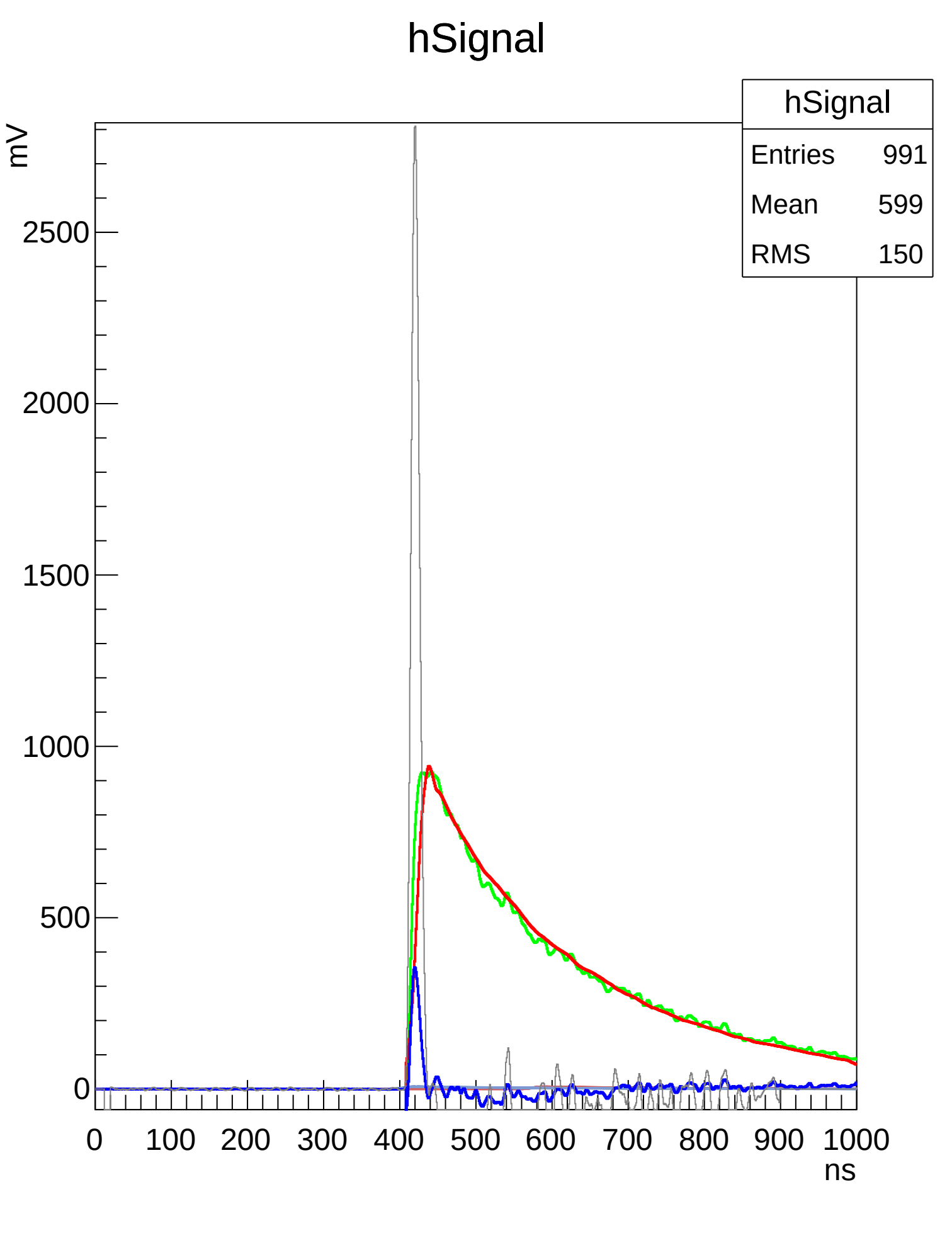

hSignal
hSignal
Entries 991
Mean 635
RMS 145.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

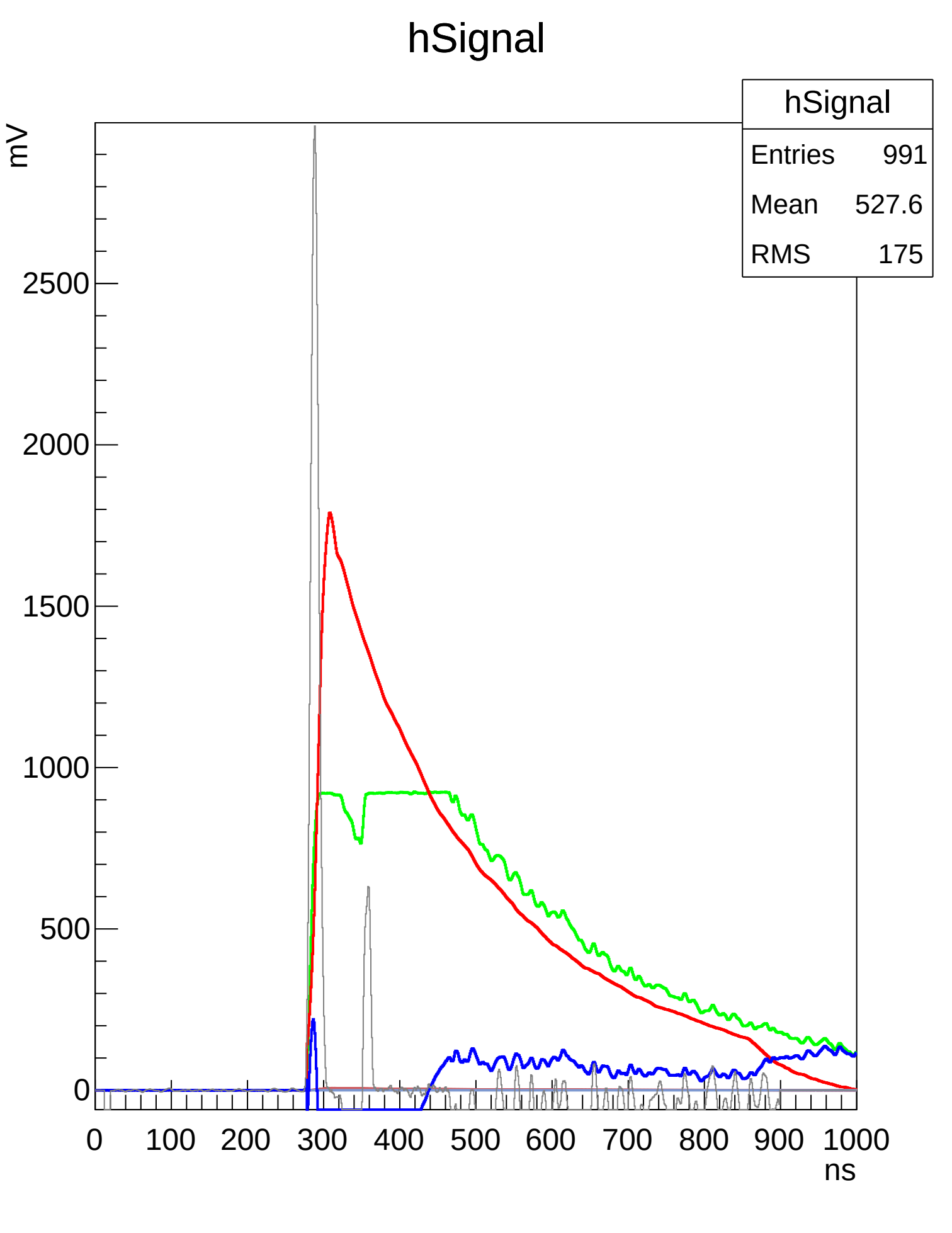

hSignal
hSignal
Entries 991
Mean 596.1
RMS 150.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

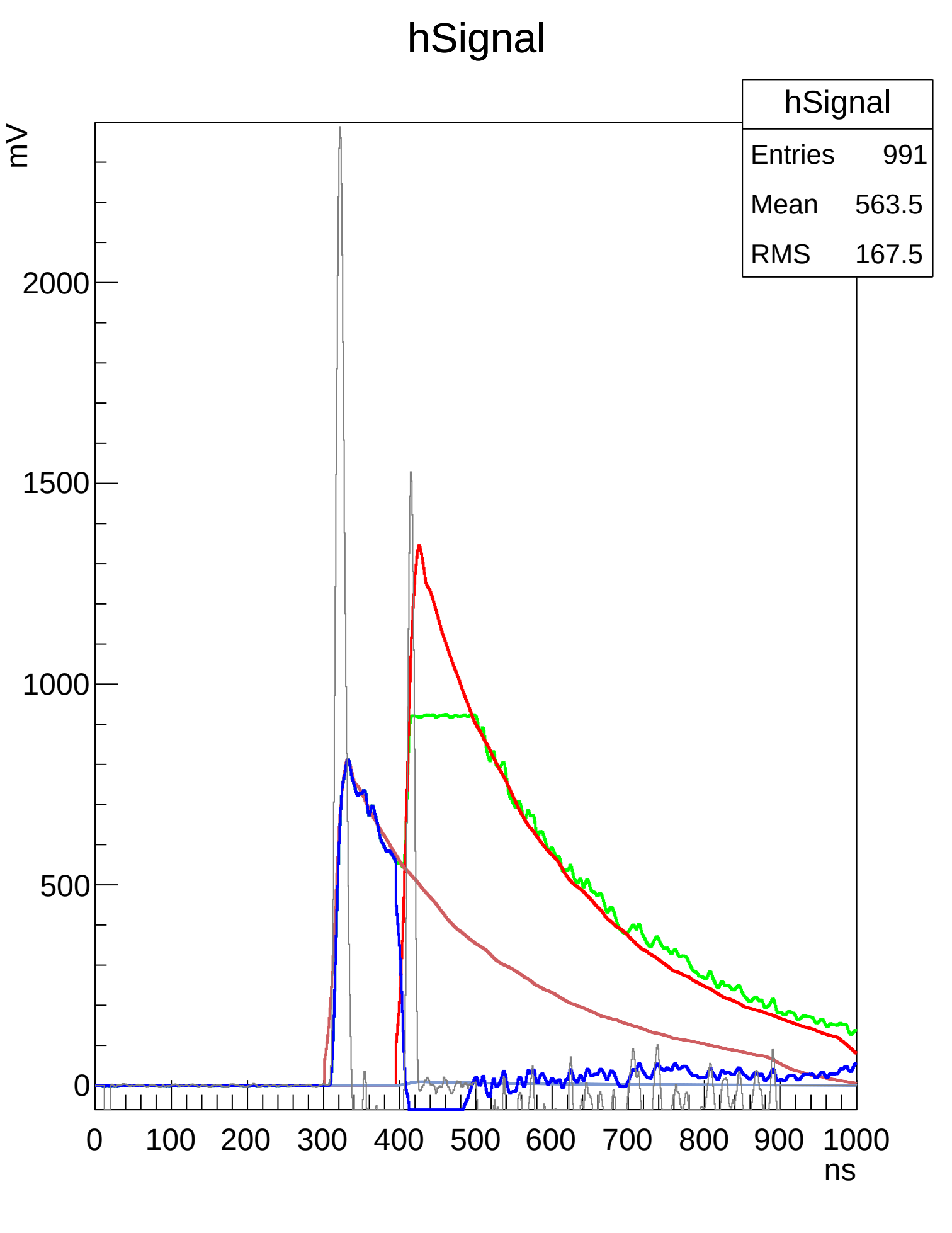

hSignal
hSignal
Entries 991
Mean 606.8
RMS 148
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

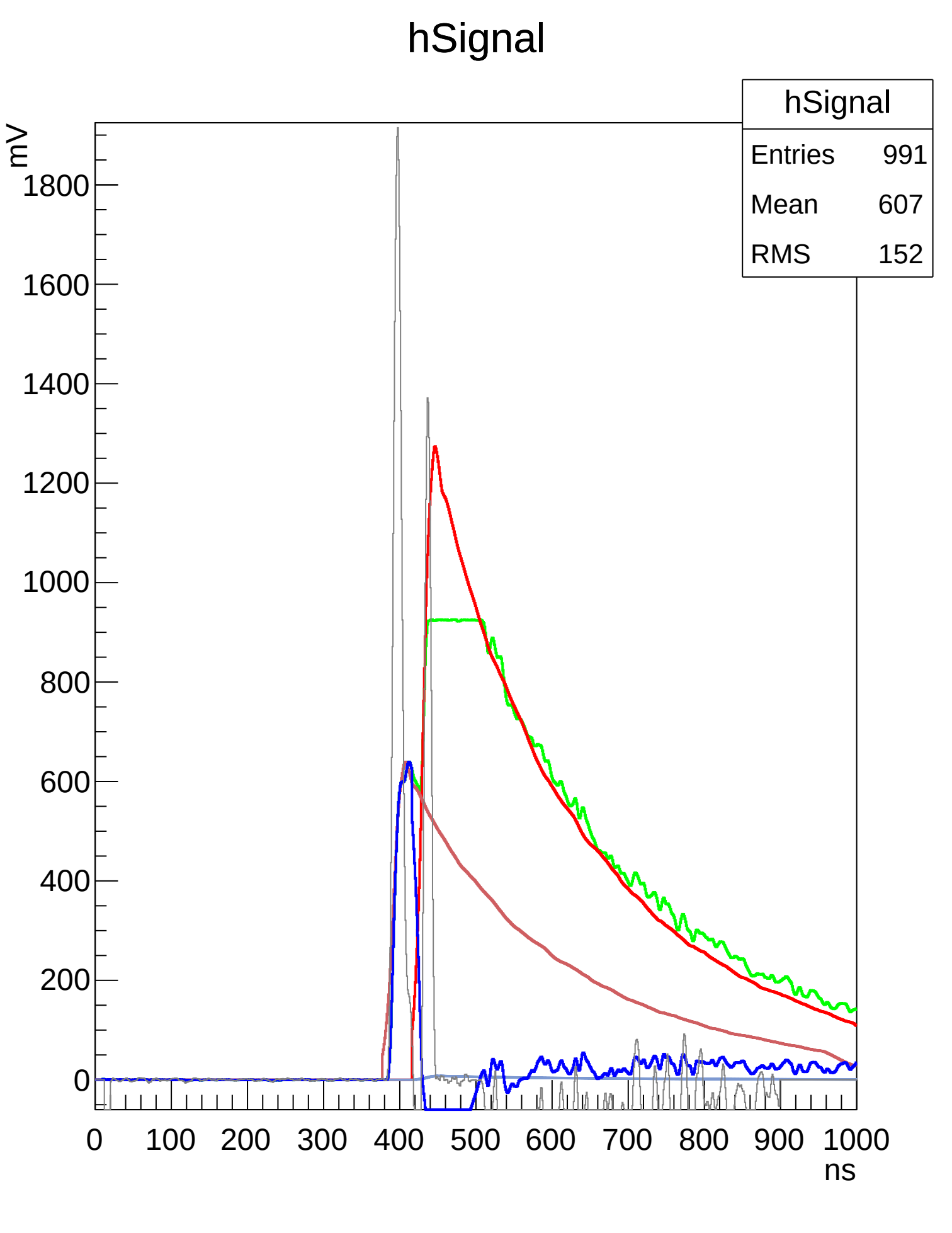

hSignal
hSignal
Entries 991
Mean 537.3
RMS 171.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

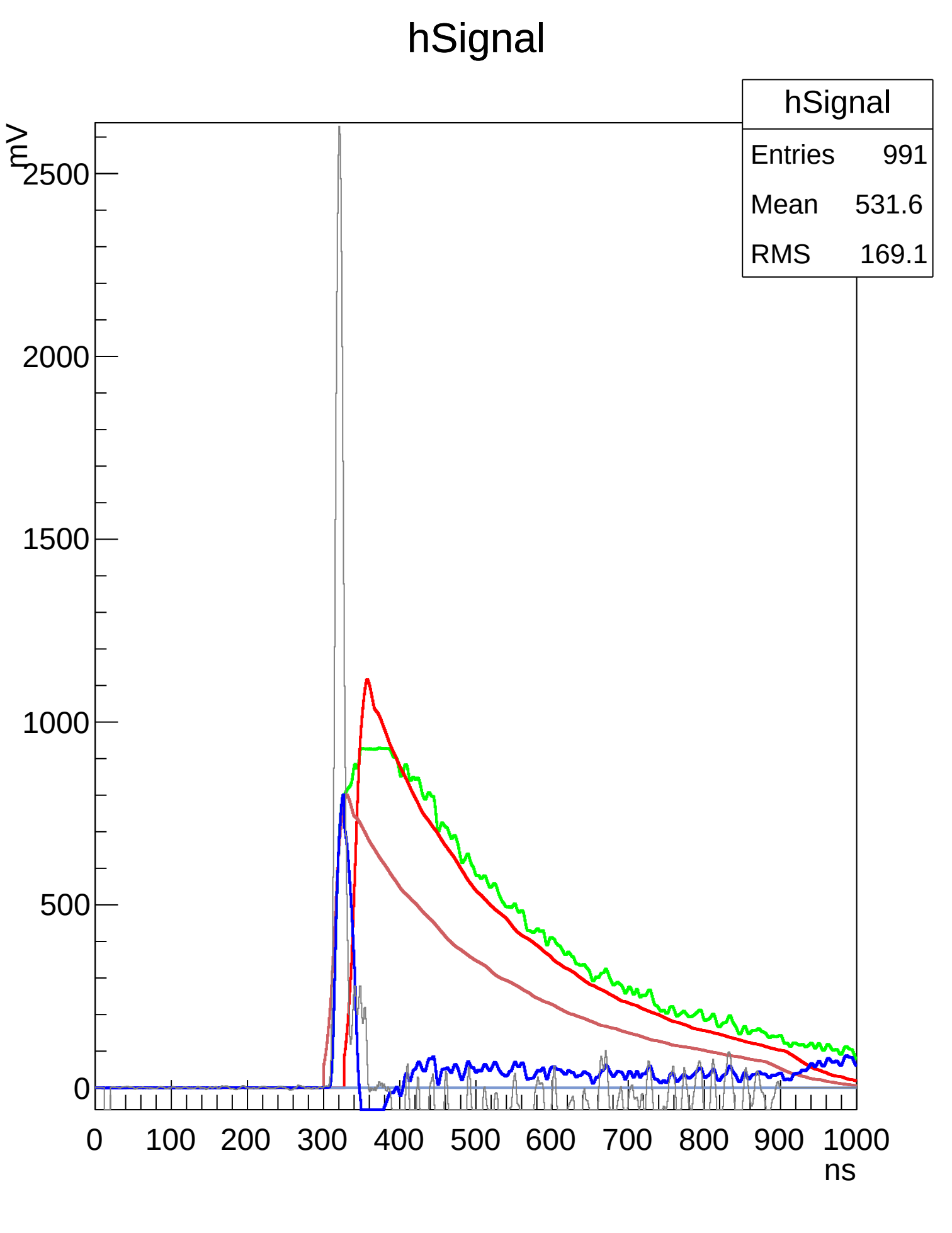

hSignal
hSignal
Entries 991
Mean 578.9
RMS 160.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

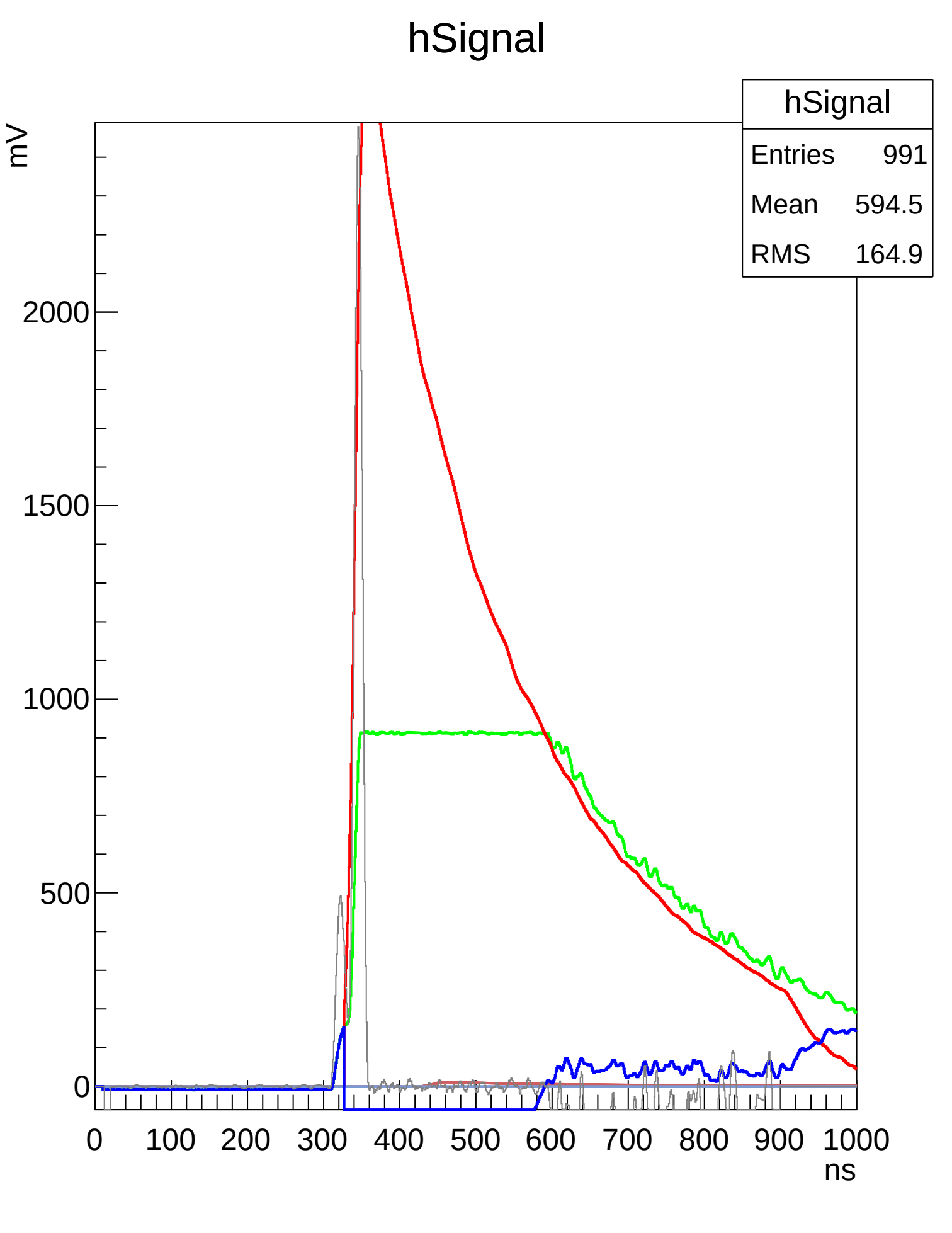

hSignal
hSignal
Entries 991
Mean 599
RMS 150
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

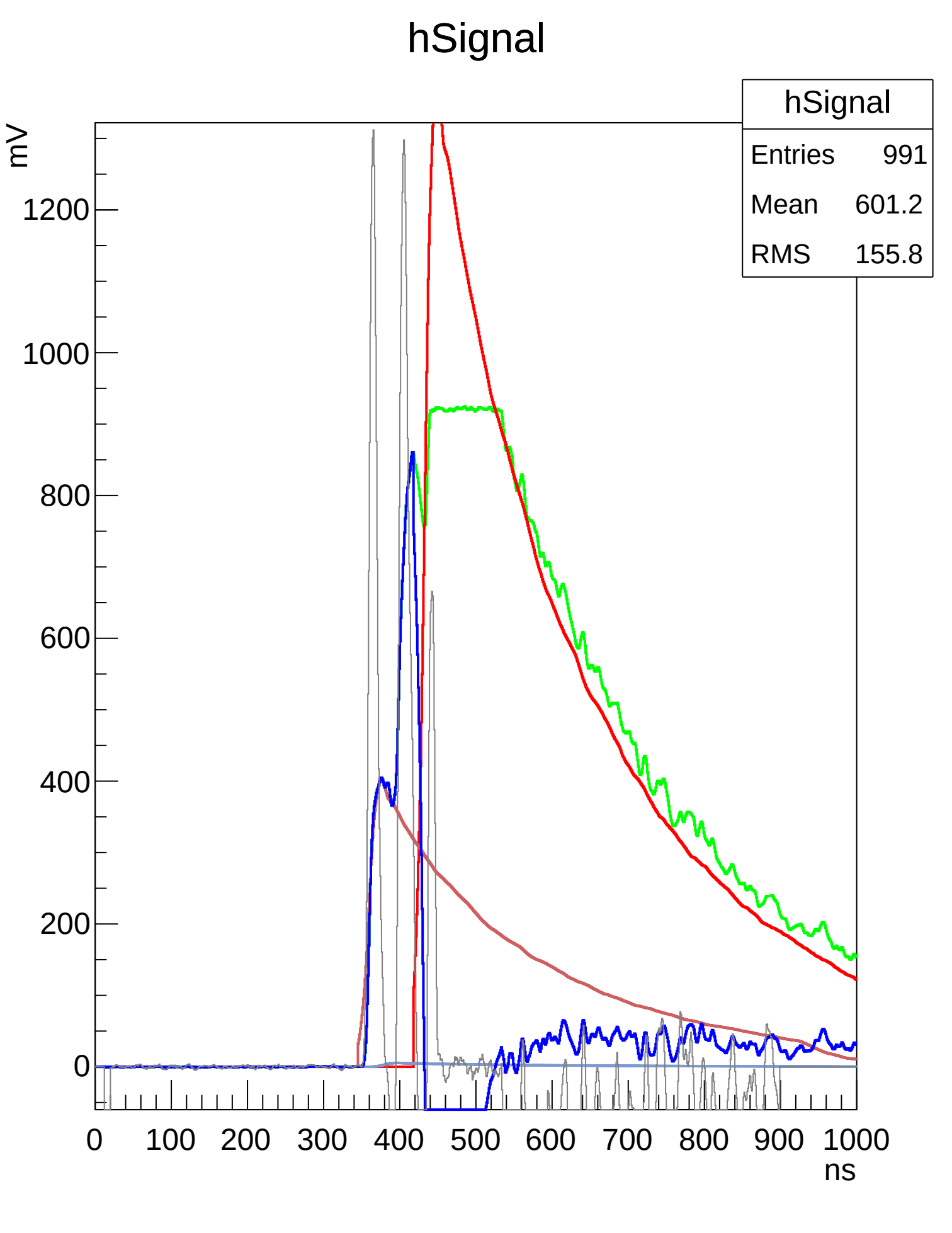

hSignal
hSignal
Entries 991
Mean 527.6
RMS 175
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

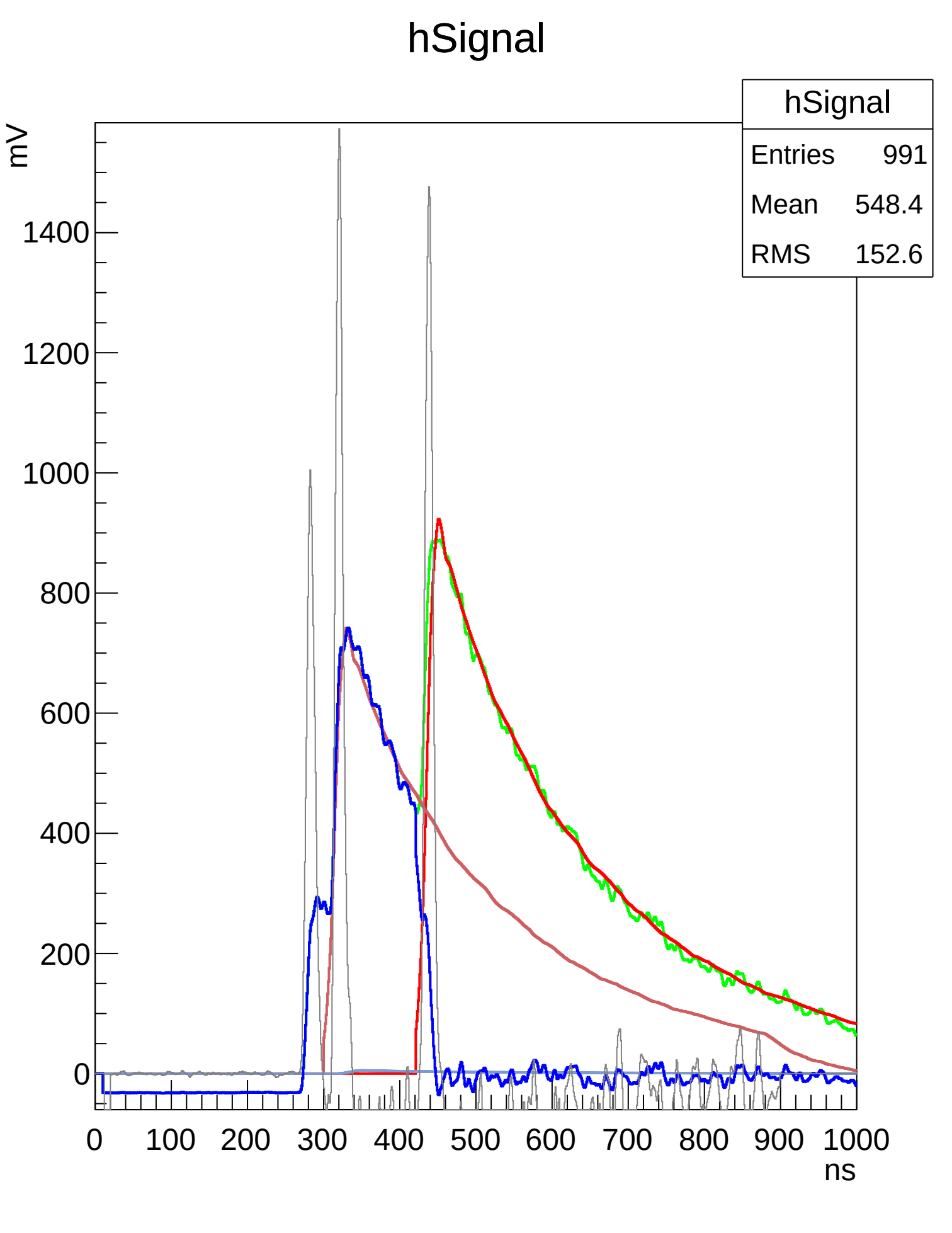

hSignal
hSignal
Entries 991
Mean 563.5
RMS 167.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

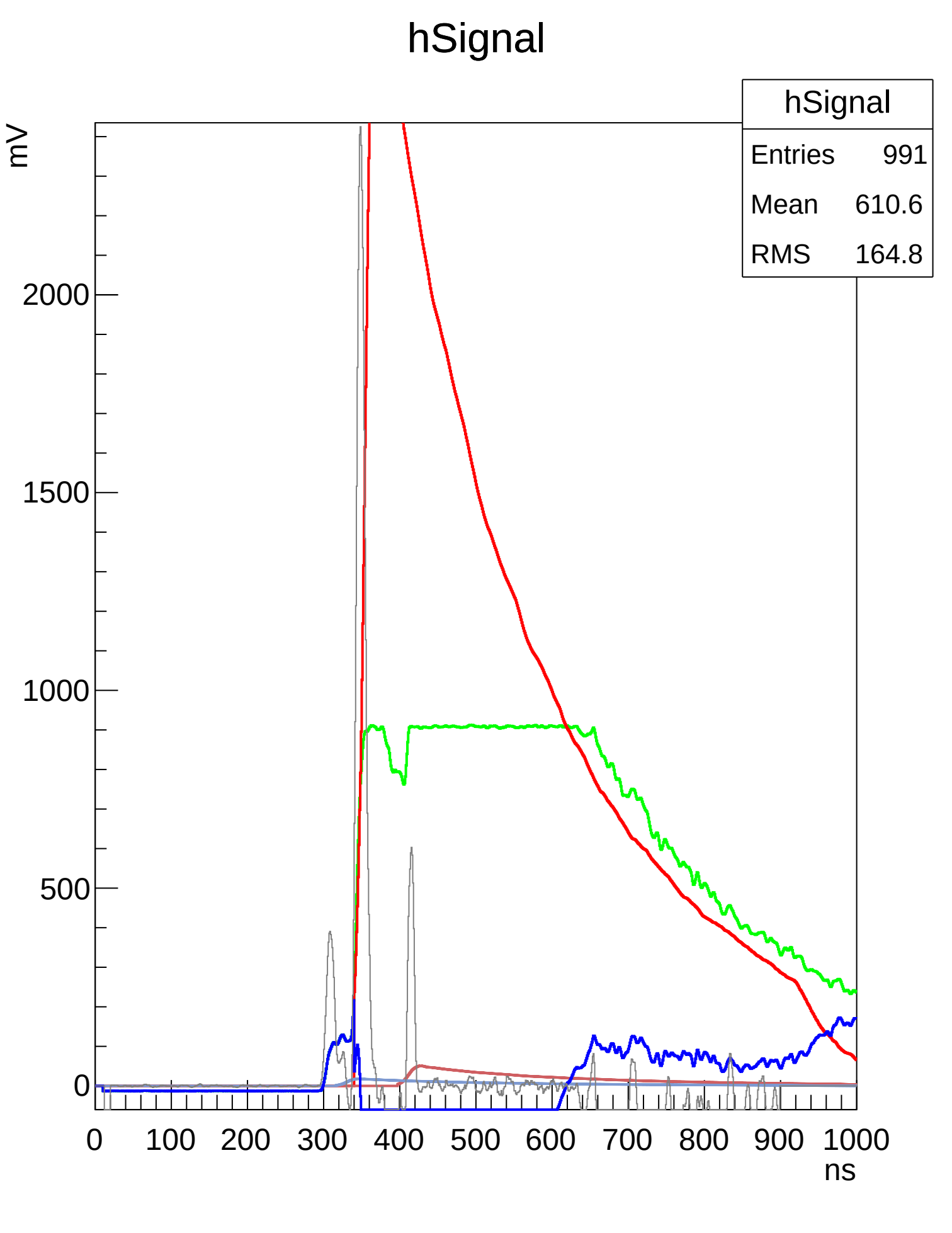

hSignal
hSignal
Entries 991
Mean 607
RMS 152
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

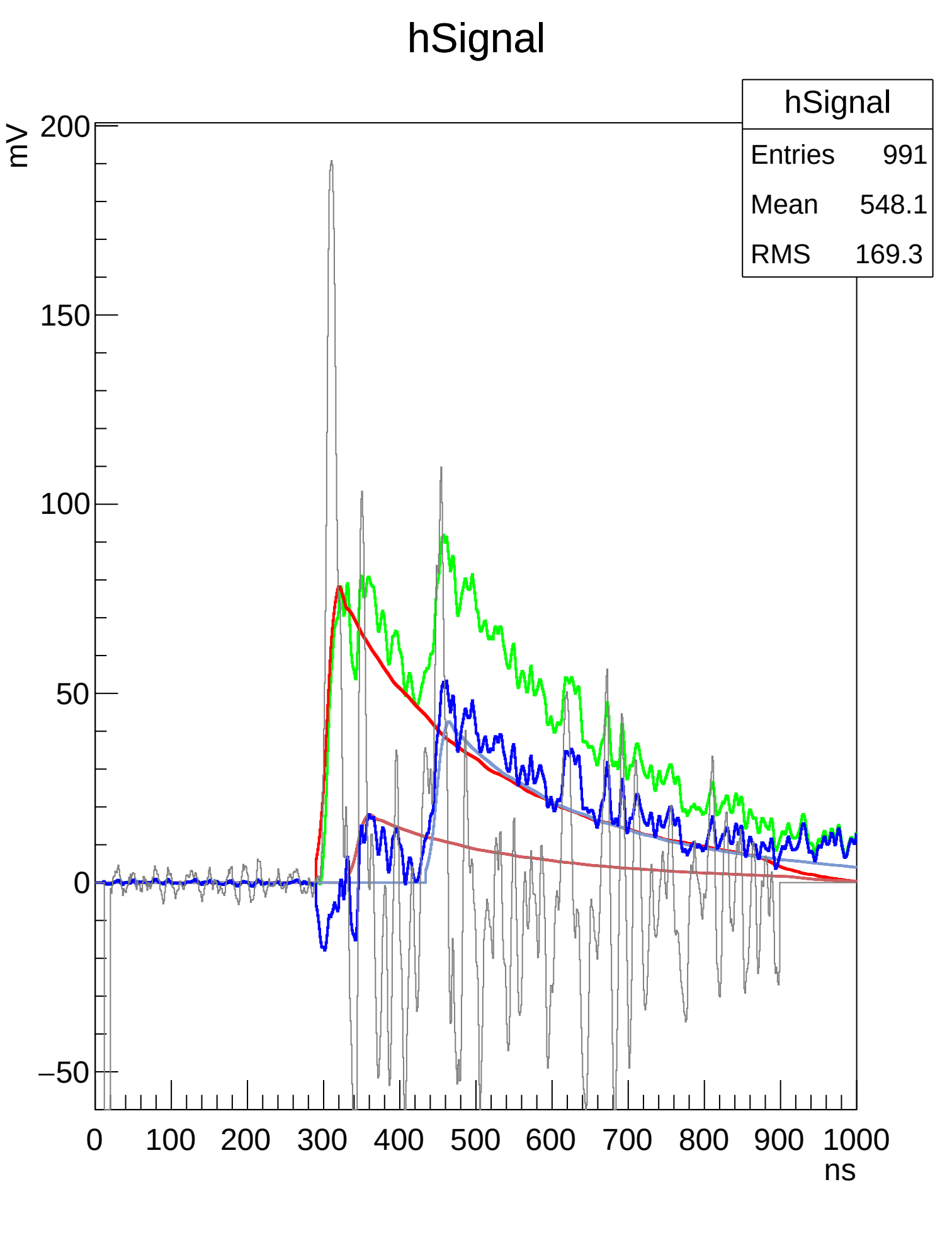

hSignal
hSignal
Entries 991
Mean 531.6
RMS 169.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

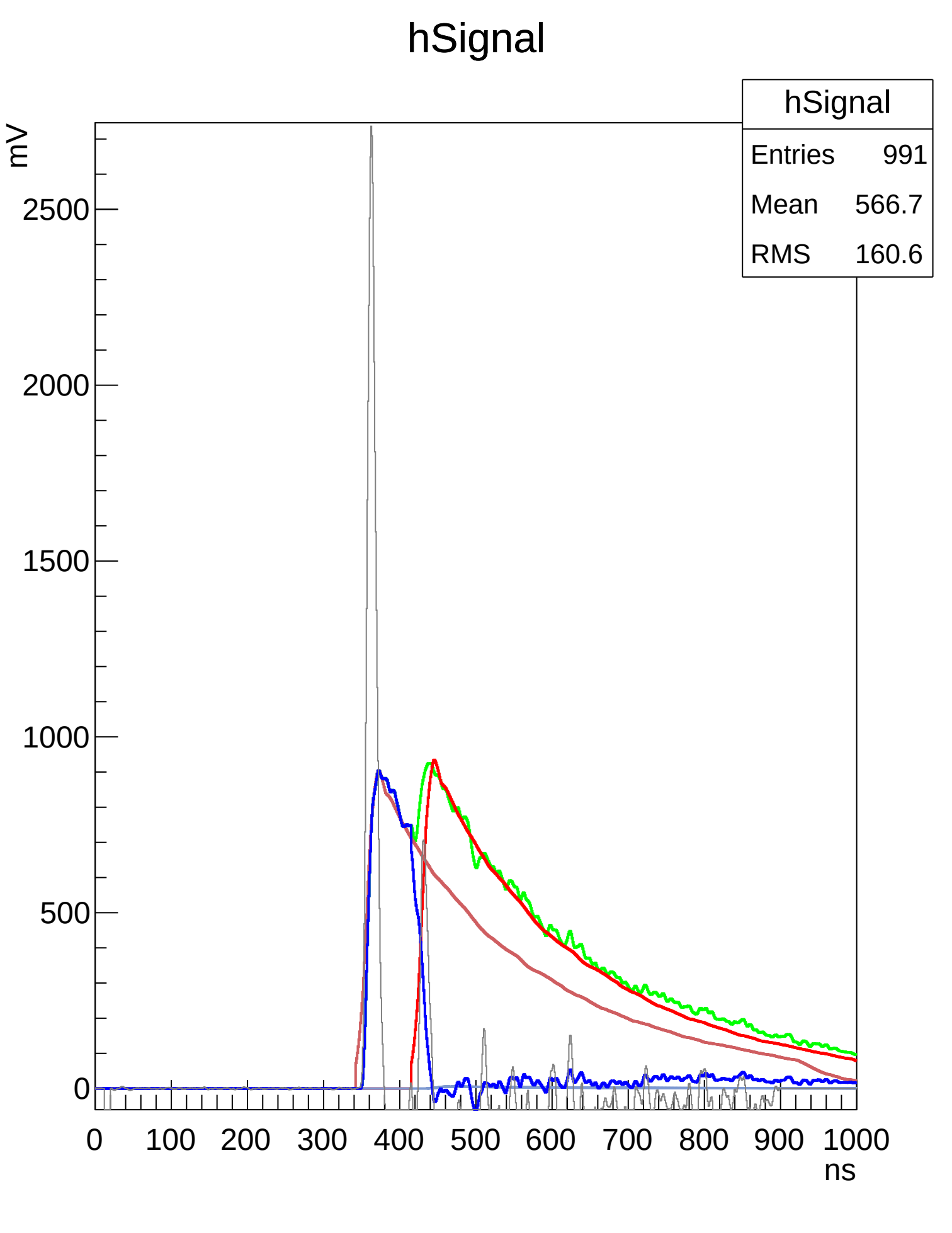

hSignal
hSignal
Entries 991
Mean 594.5
RMS 164.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

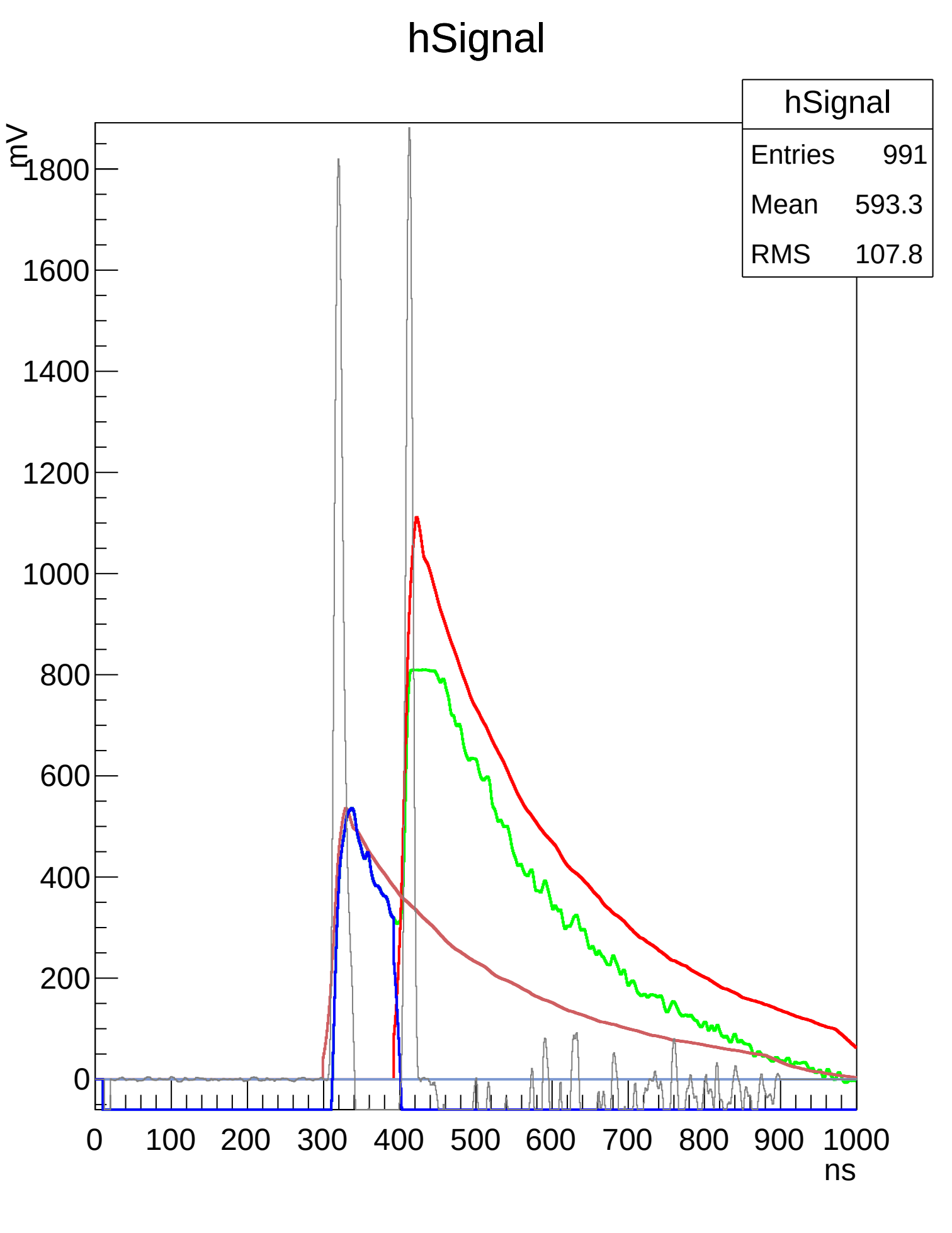

hSignal
hSignal
Entries 991
Mean 601.2
RMS 155.8
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

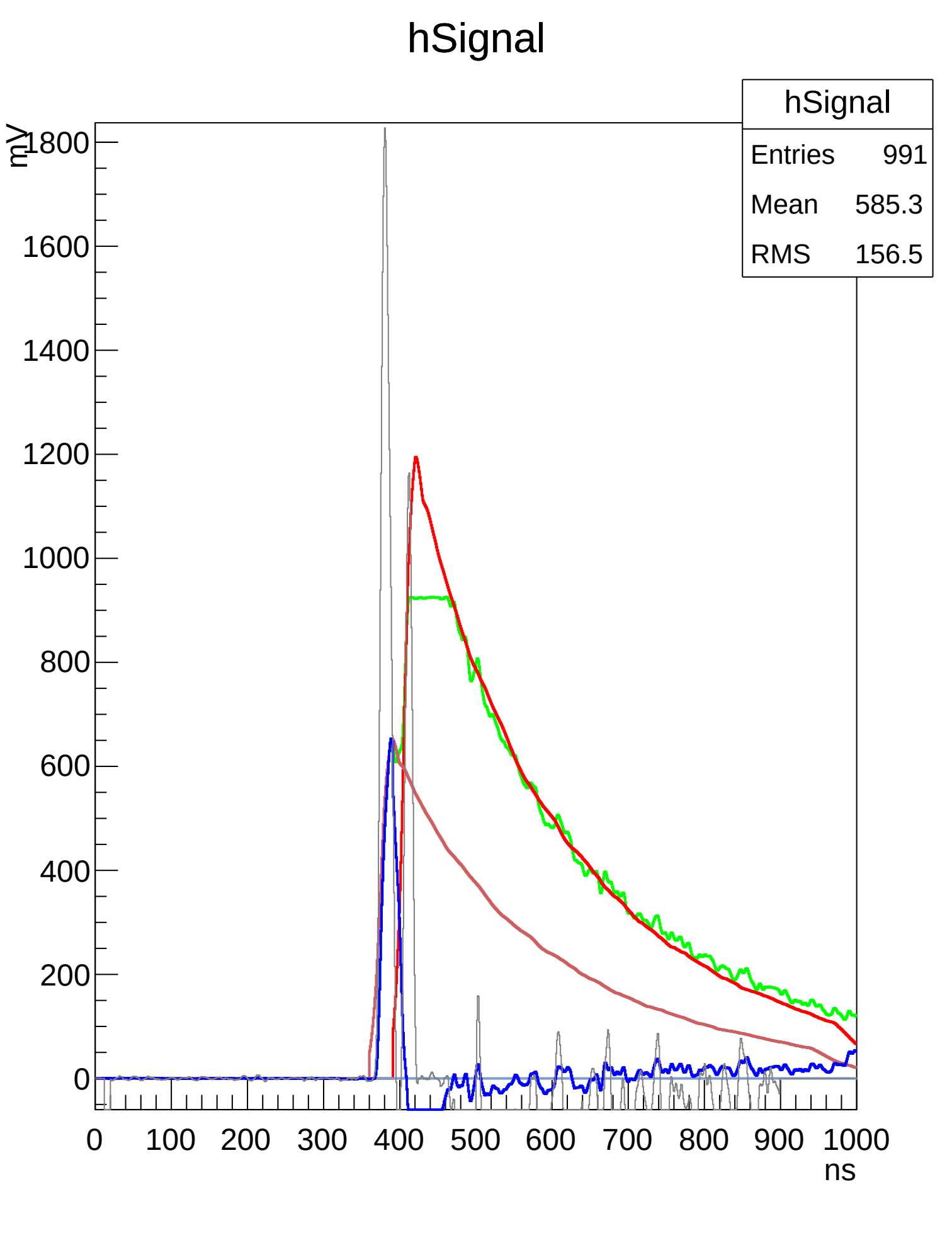

hSignal
hSignal
Entries 991
Mean 548.4
RMS 152.6
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

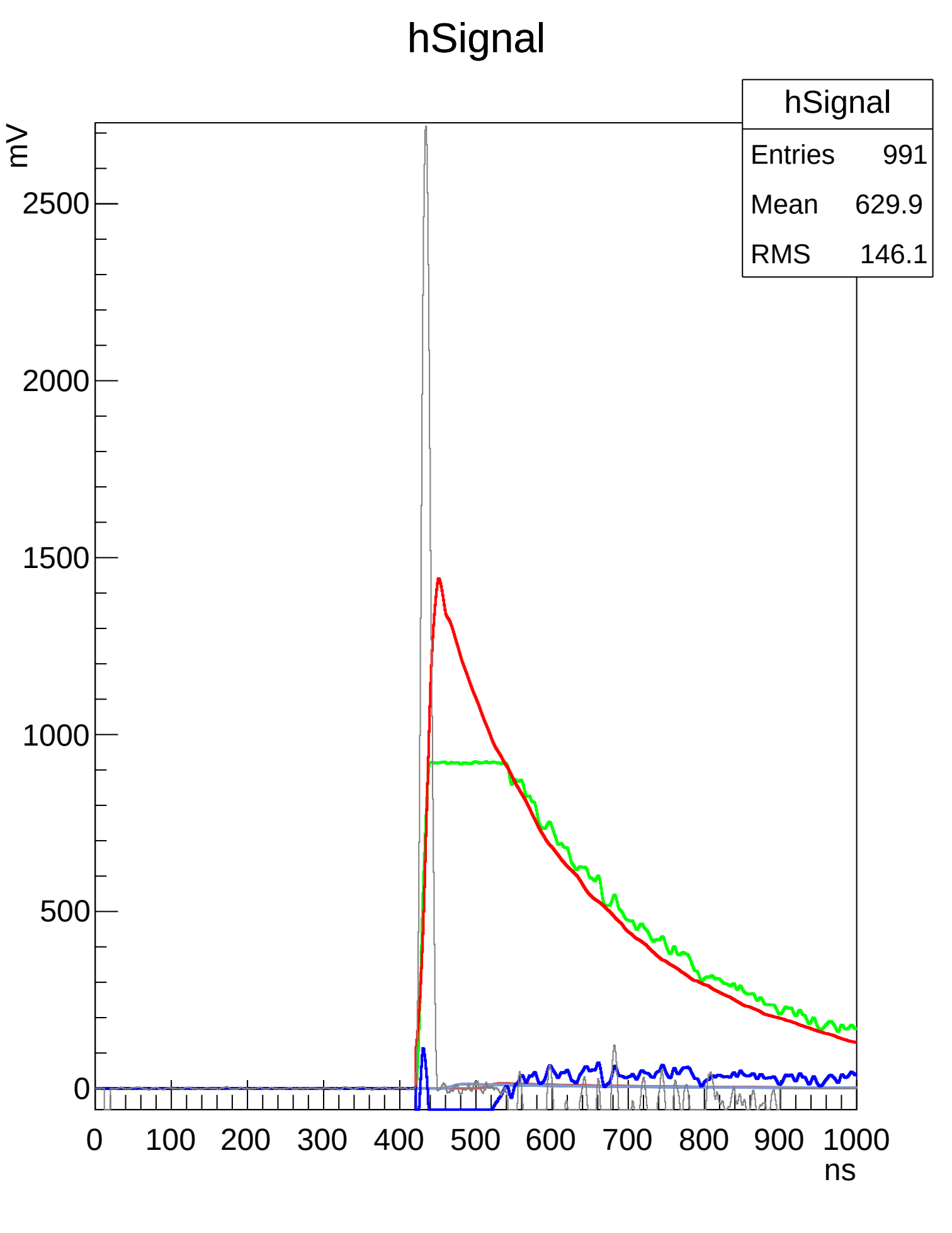

hSignal
hSignal
Entries 991
Mean 610.6
RMS 164.8
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

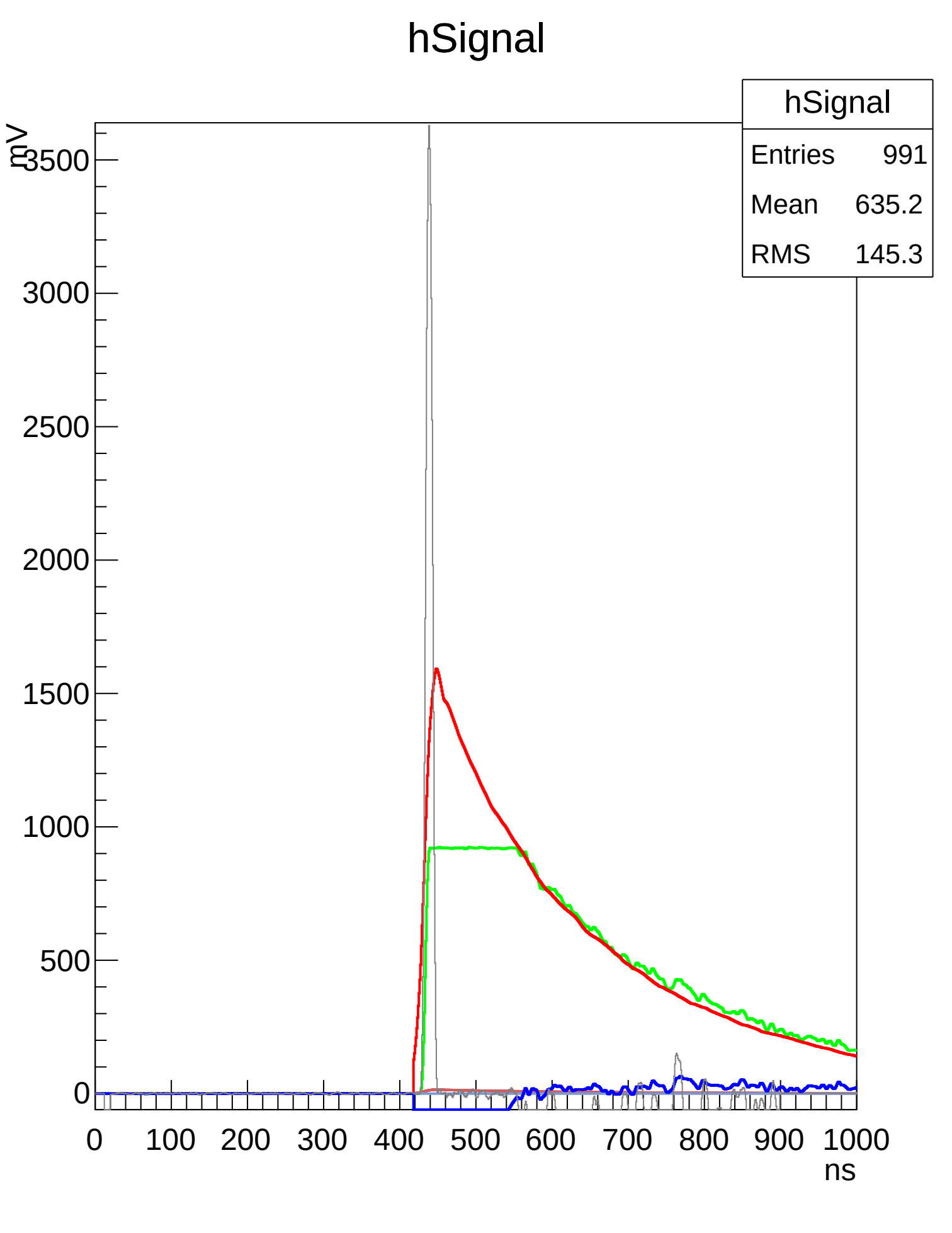

hSignal
hSignal
Entries 991
Mean 548.1
RMS 169.3
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

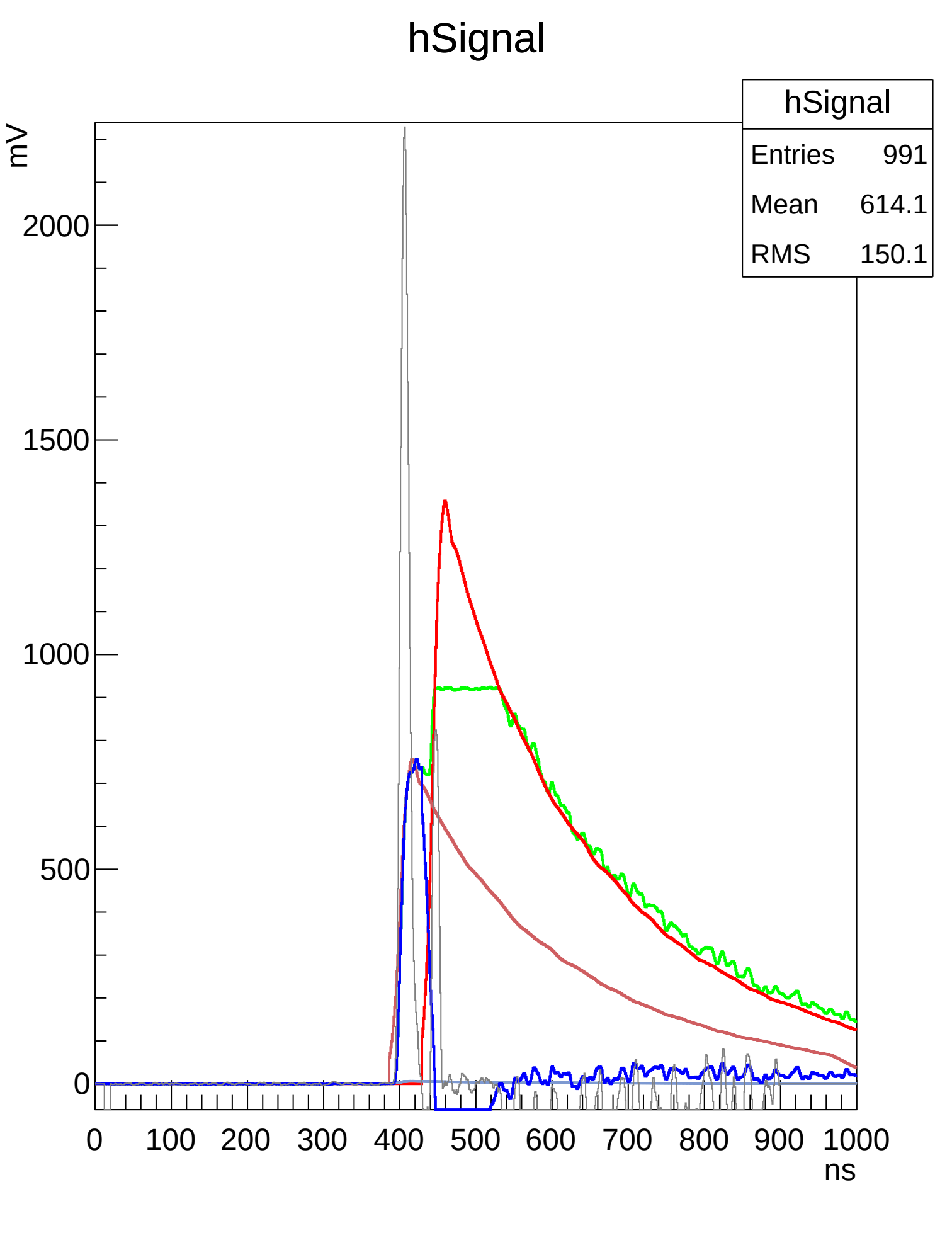

hSignal
hSignal
Entries 991
Mean 566.7
RMS 160.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

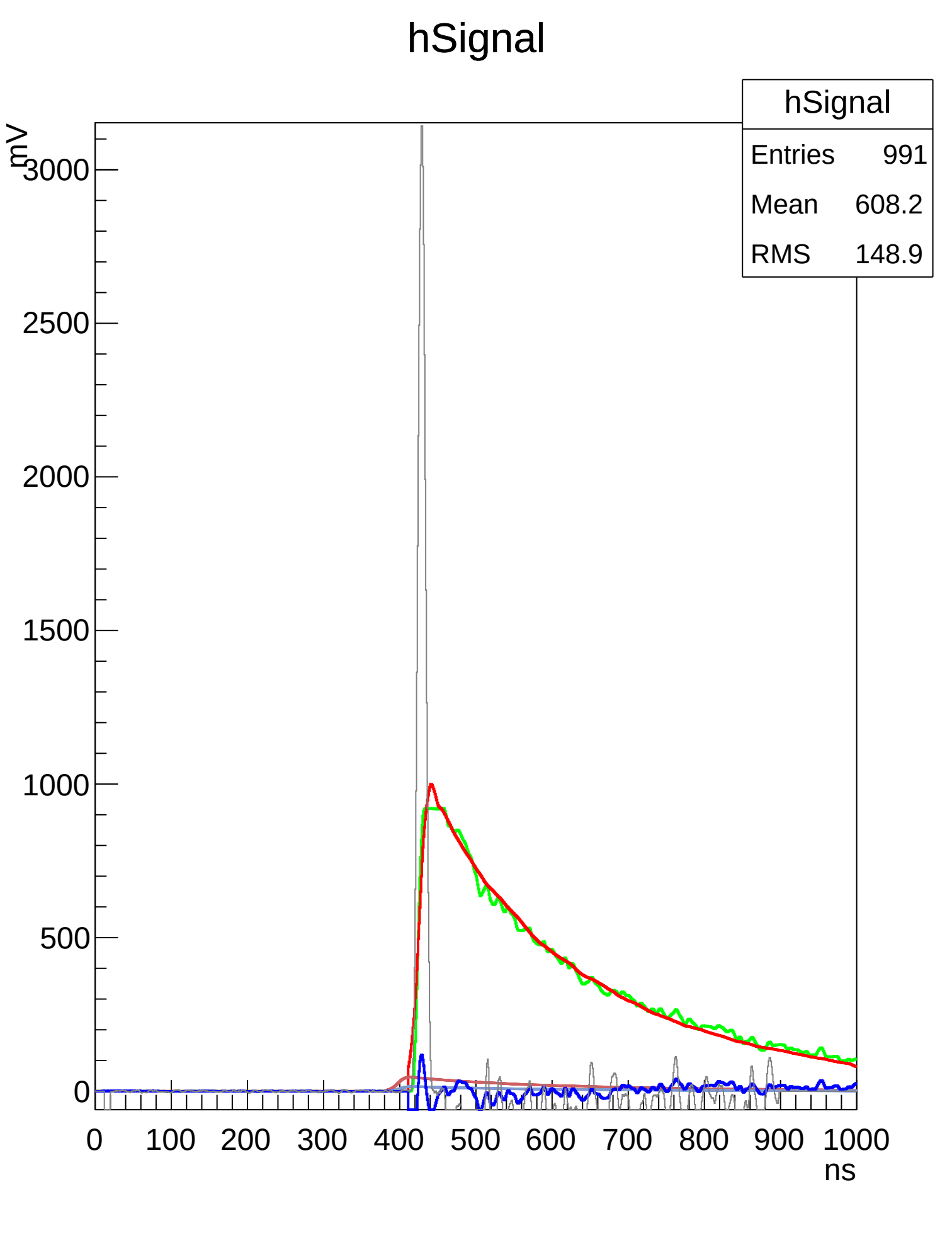

hSignal
hSignal
Entries 991
Mean 593.3
RMS 107.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

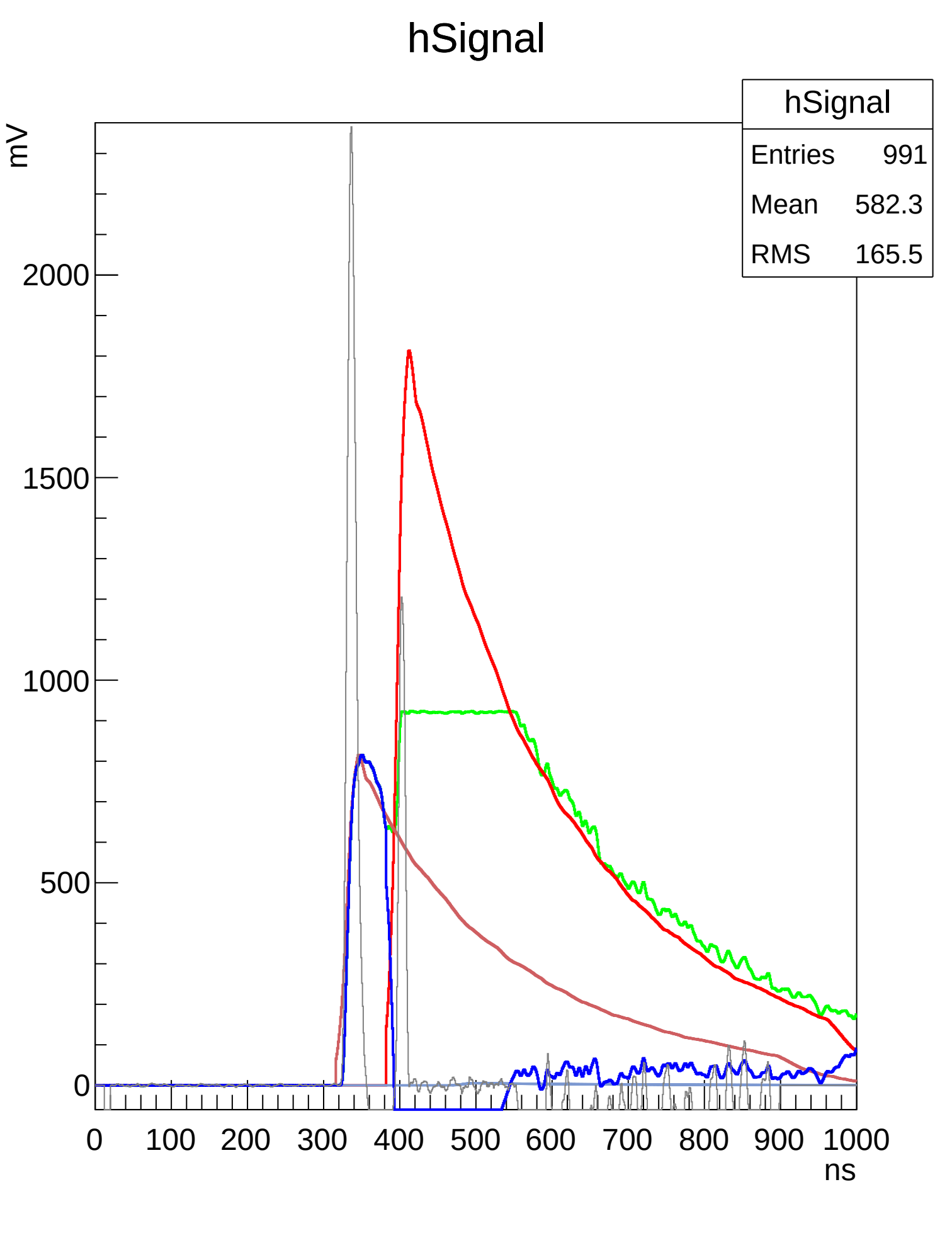

hSignal
hSignal
Entries 991
Mean 585.3
RMS 156.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

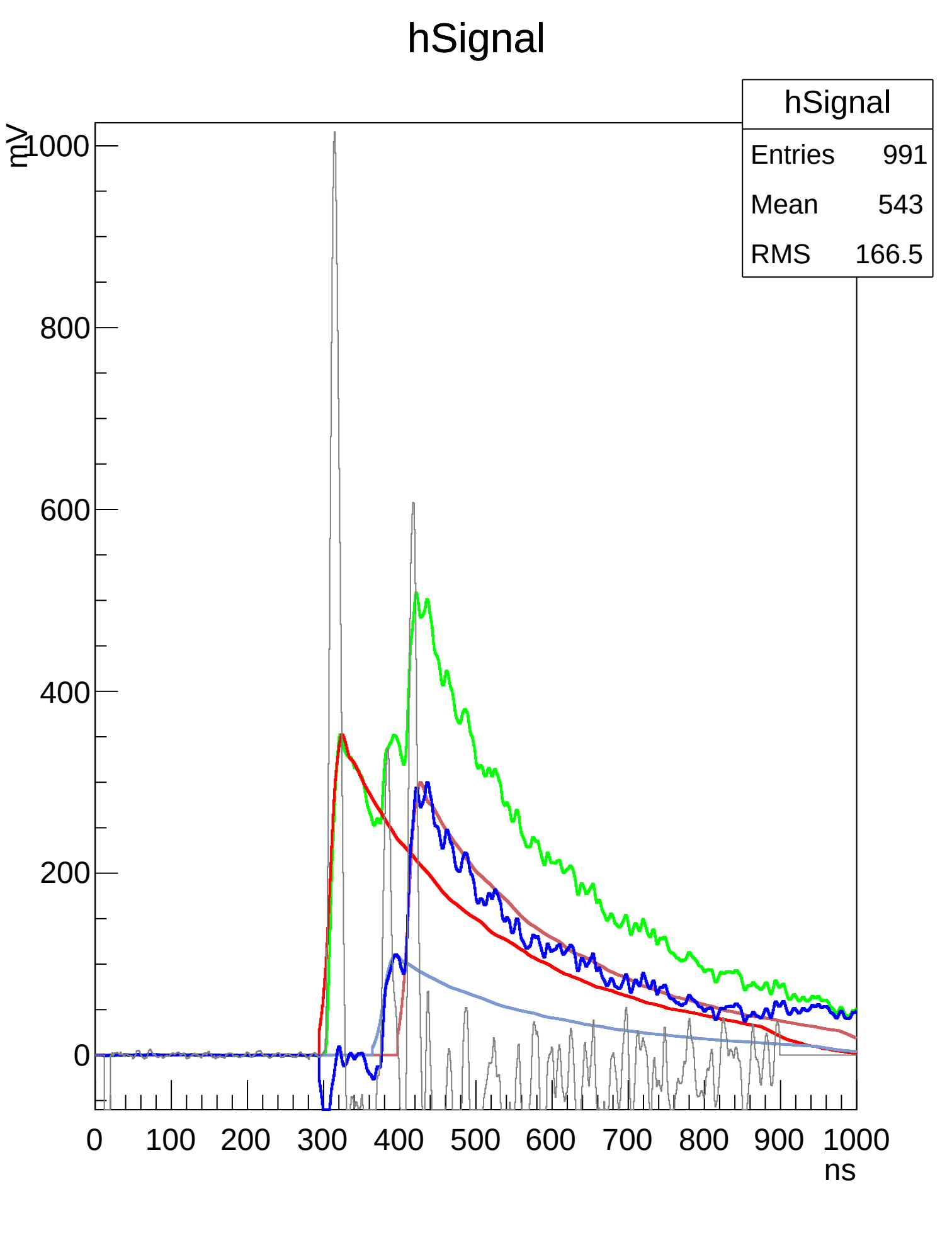

hSignal
hSignal
Entries 991
Mean 629.9
RMS 146.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

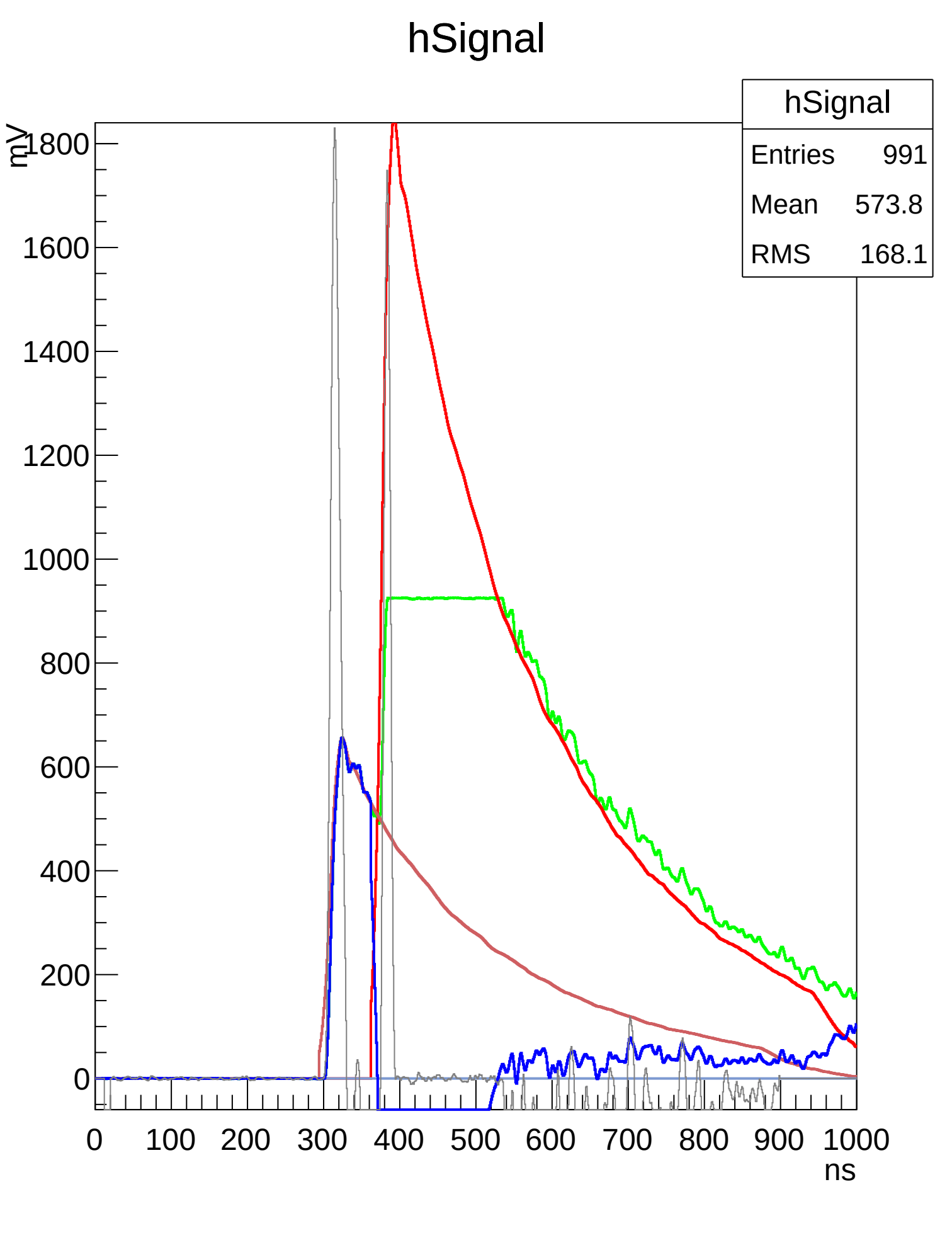

hSignal
hSignal
Entries 991
Mean 635.2
RMS 145.3
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

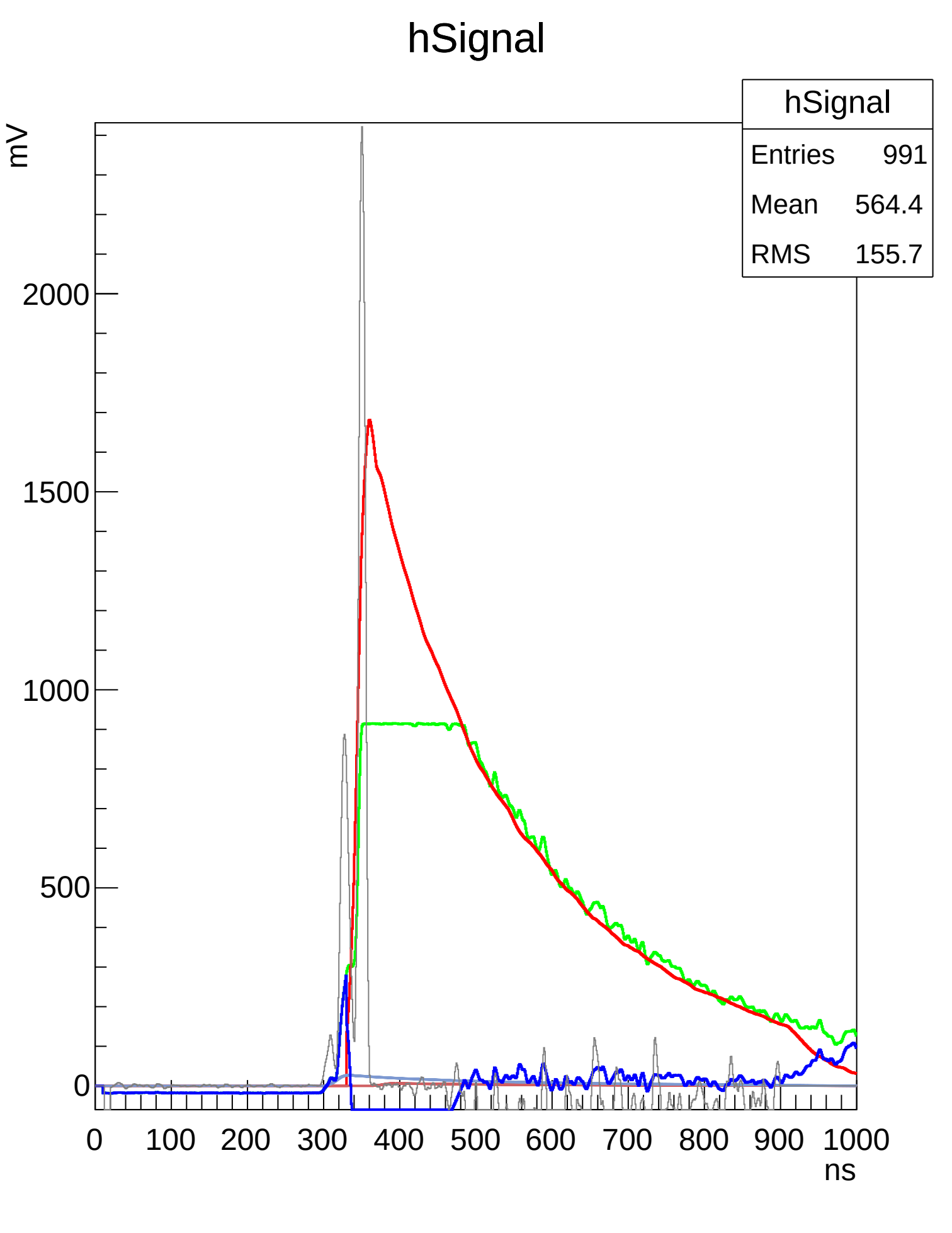

hSignal
hSignal
Entries 991
Mean 614.1
RMS 150.1
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

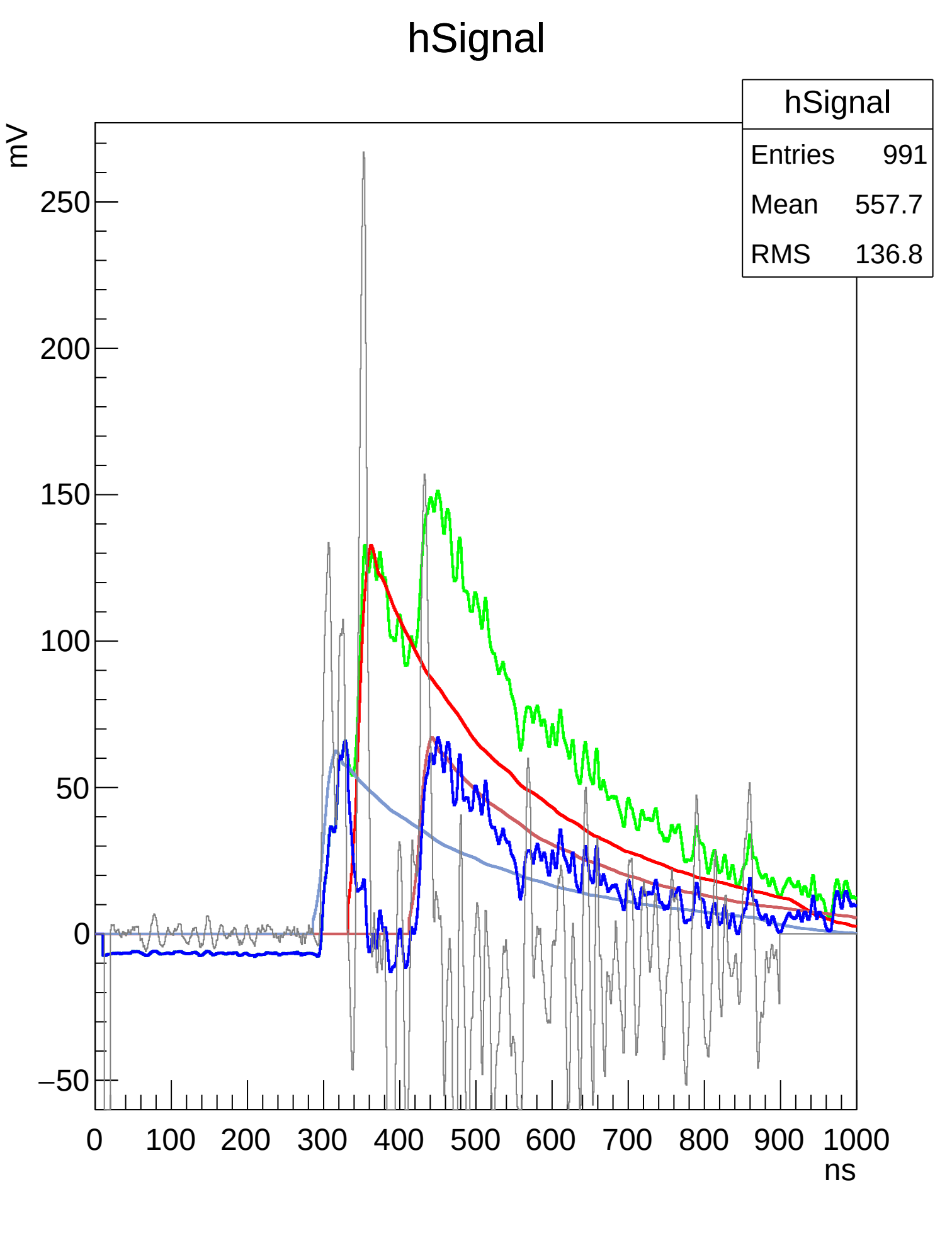

hSignal
hSignal
Entries 991
Mean 608.2
RMS 148.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

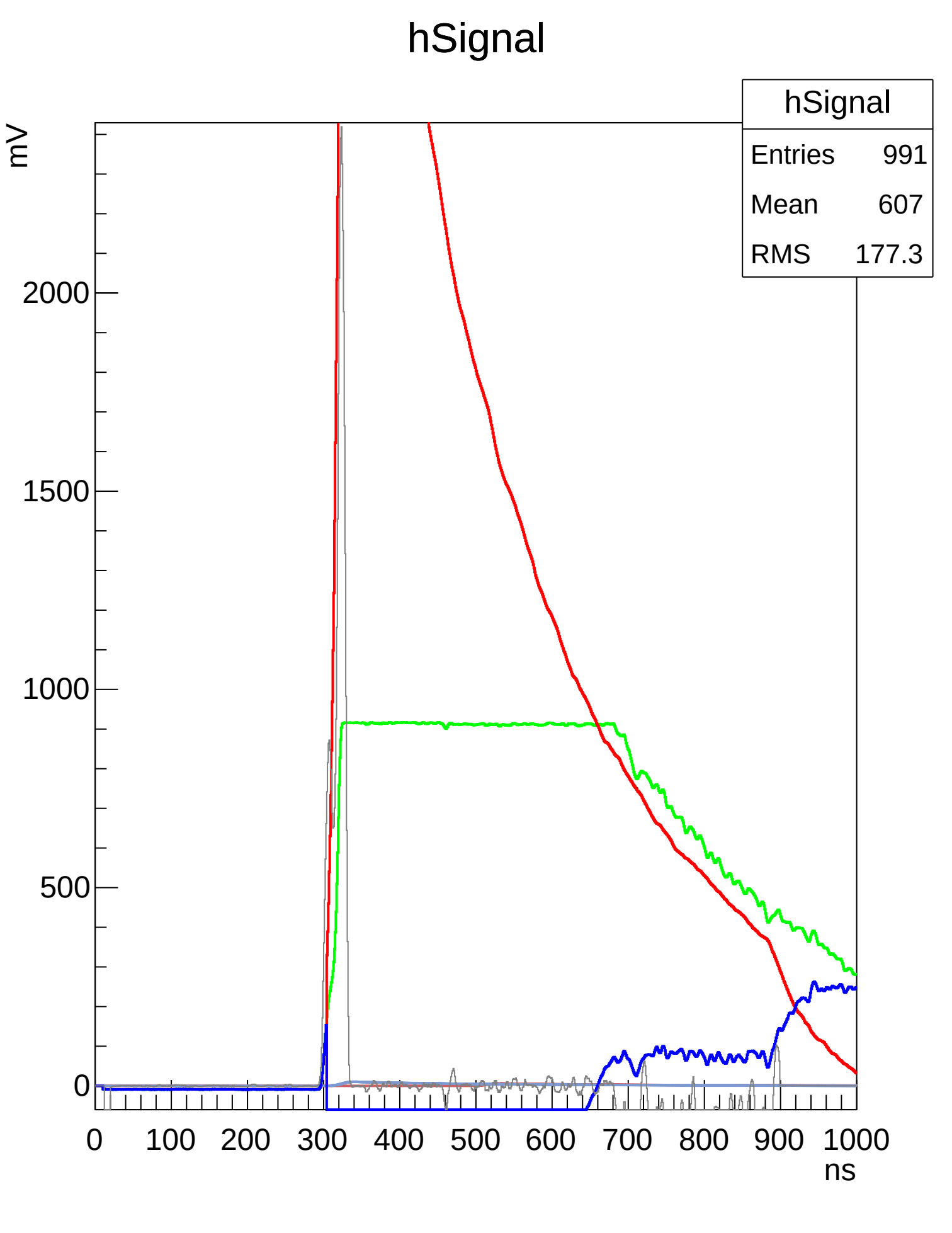

hSignal
hSignal
Entries 991
Mean 582.3
RMS 165.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

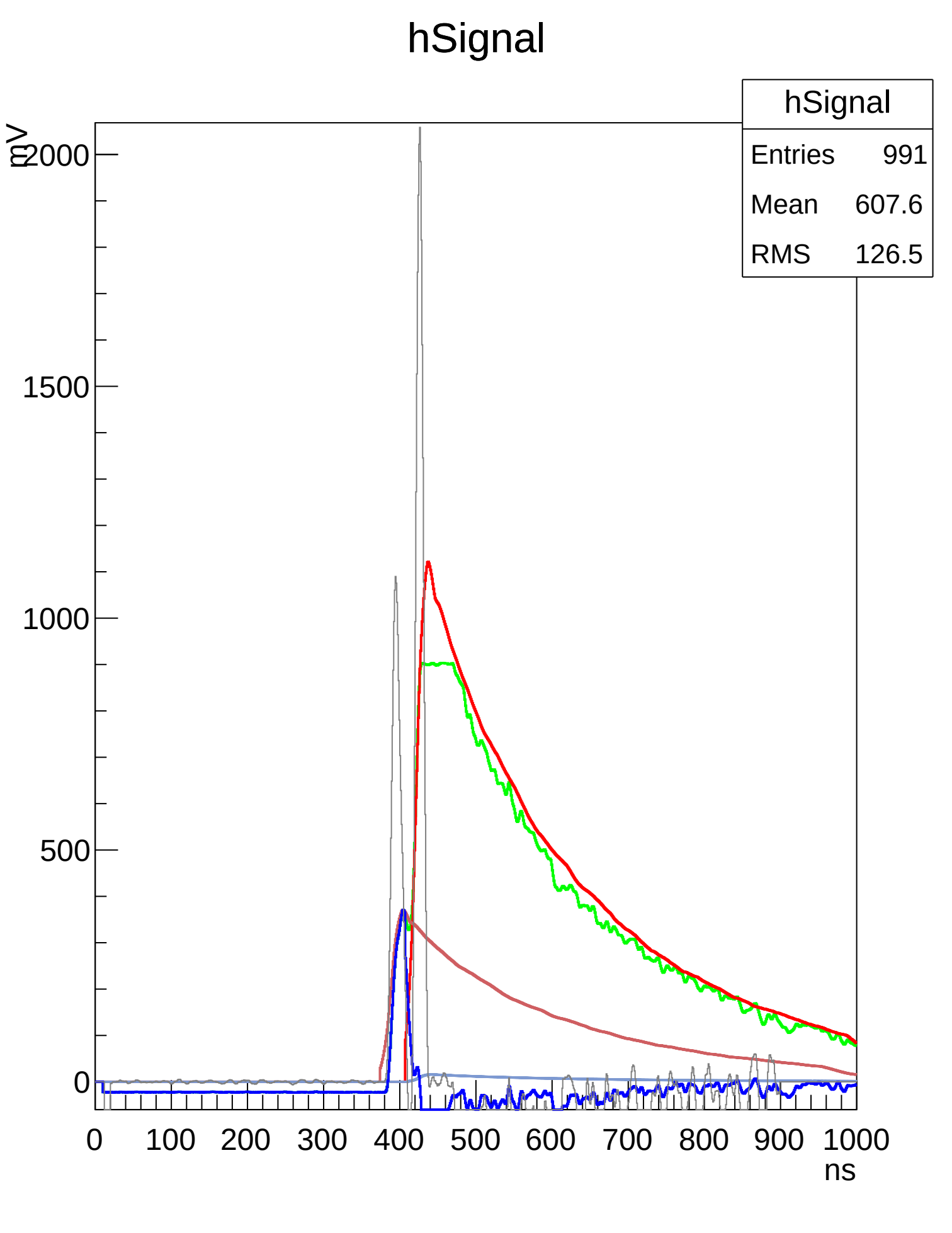

hSignal
hSignal
Entries 991
Mean 543
RMS 166.5
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

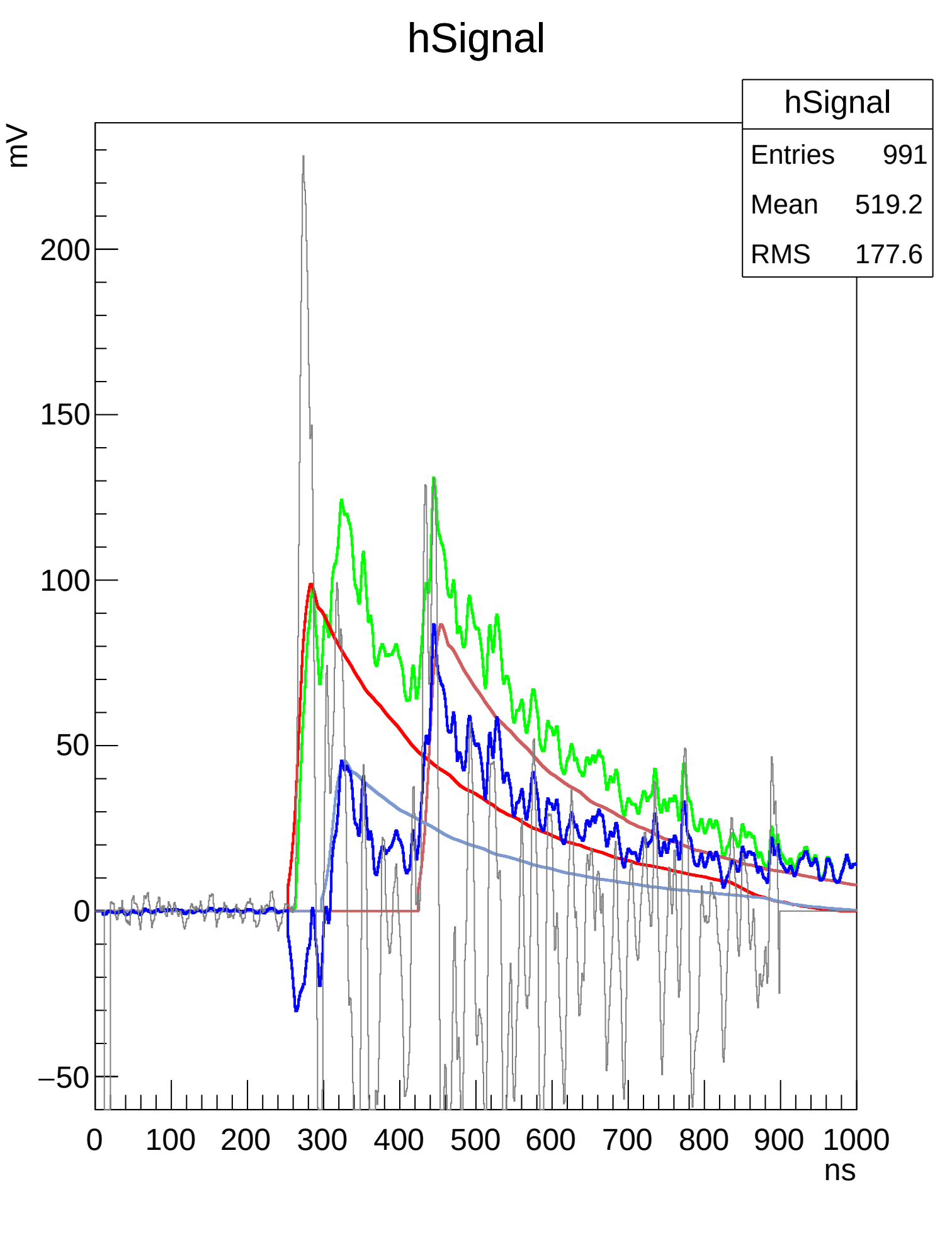

hSignal
hSignal
Entries 991
Mean 573.8
RMS 168.1
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

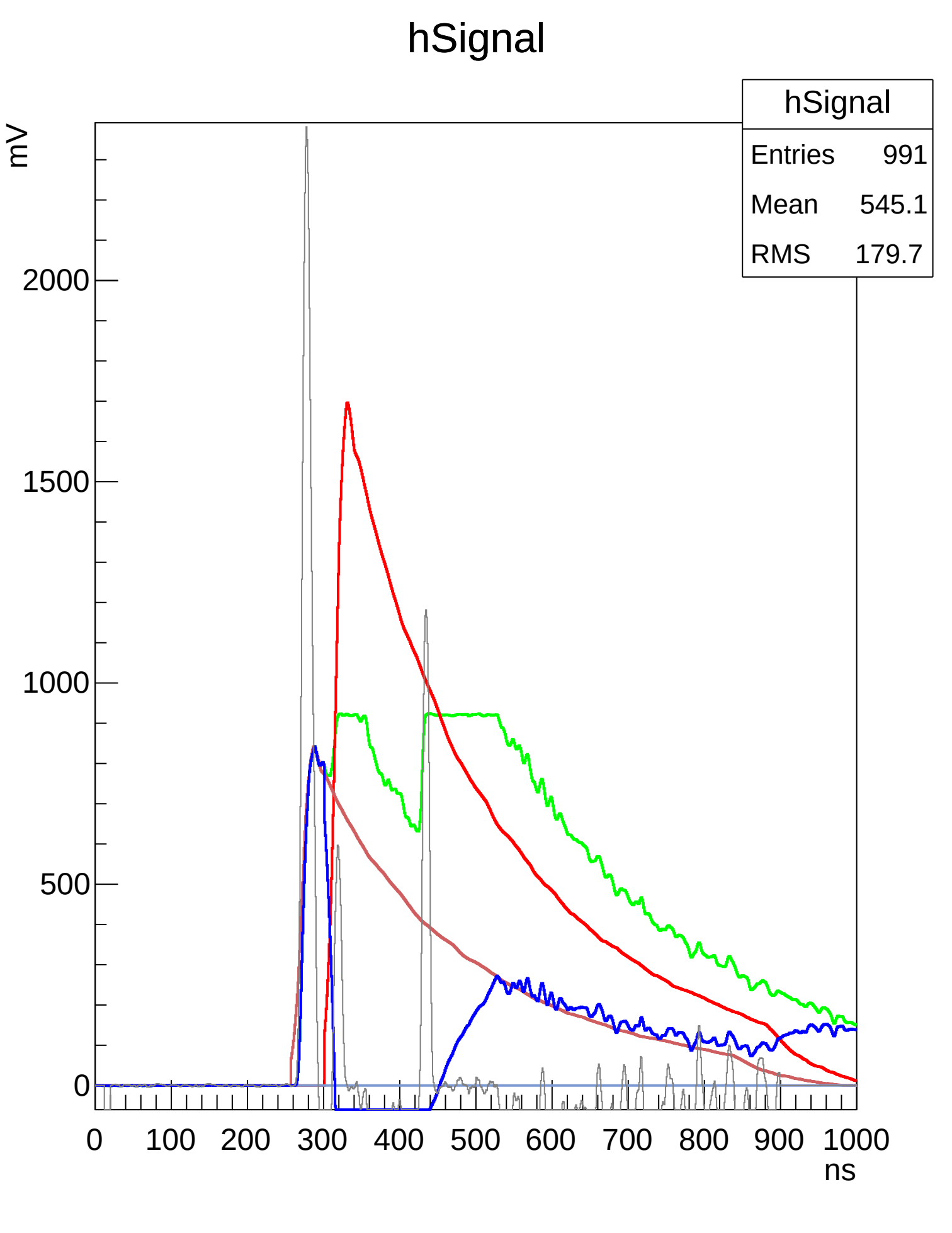

hSignal
hSignal
Entries 991
Mean 564.4
RMS 155.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

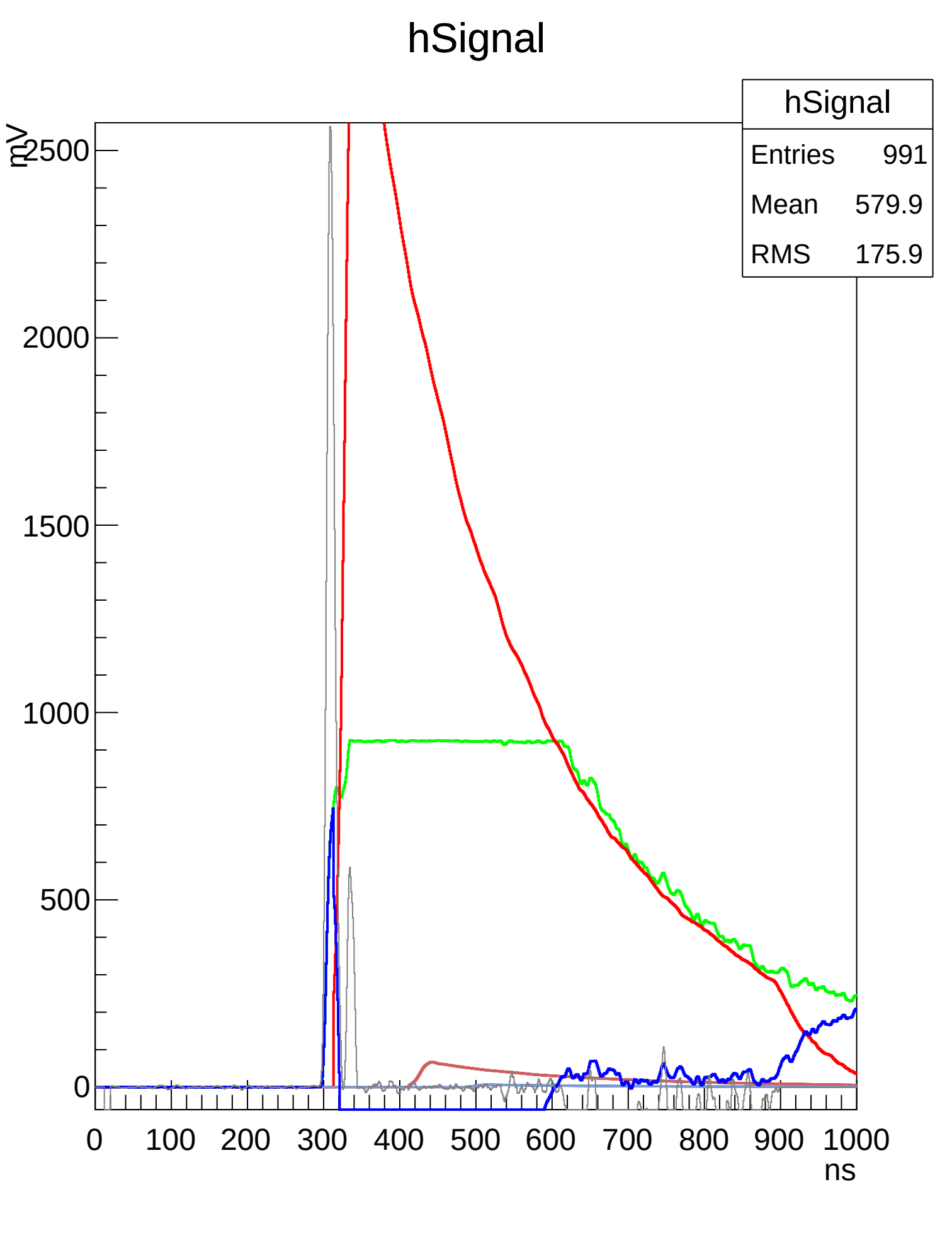

hSignal
hSignal
Entries 991
Mean 557.7
RMS 136.8
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

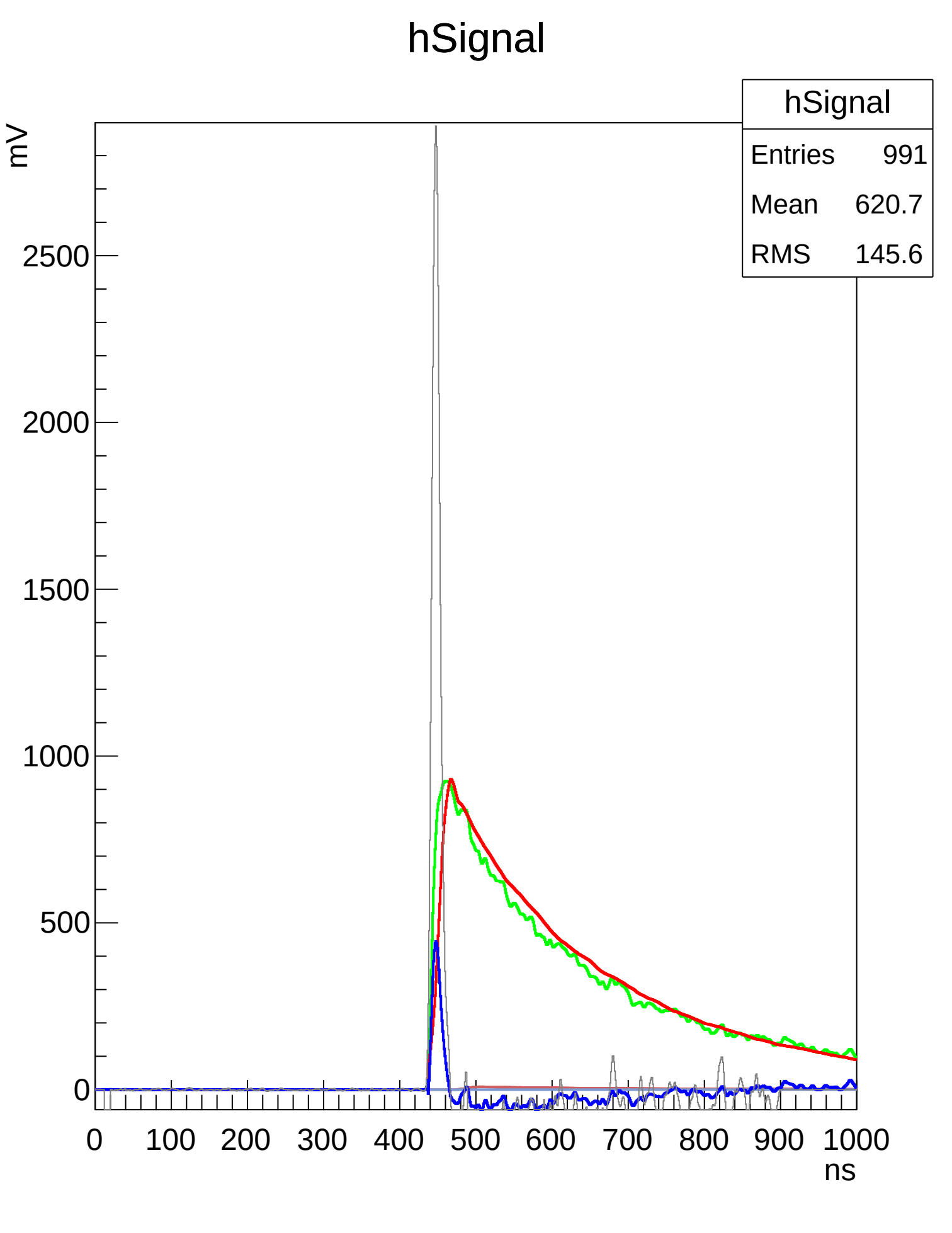

hSignal
hSignal
Entries 991
Mean 607
RMS 177.3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

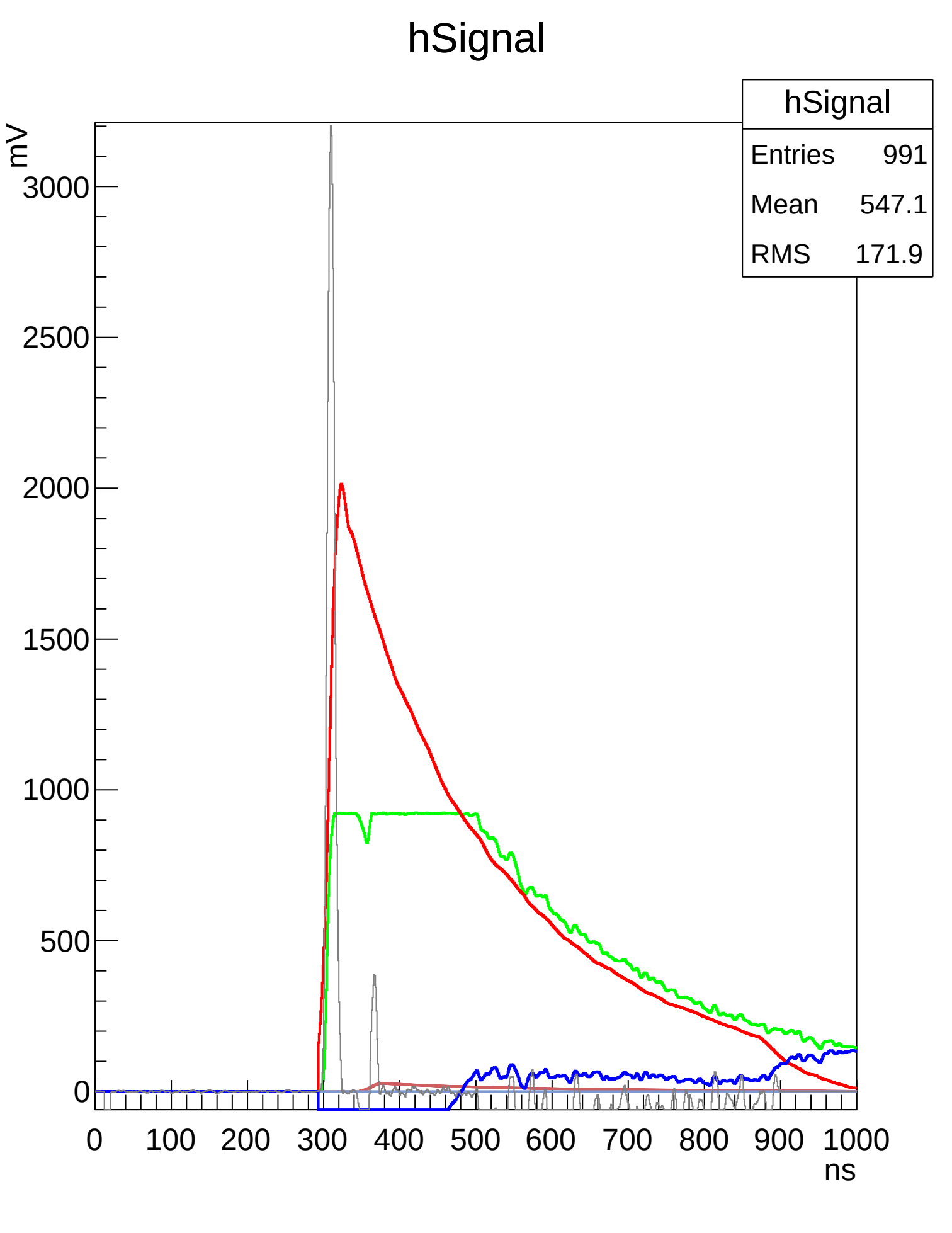

hSignal
hSignal
Entries 991
Mean 607.6
RMS 126.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

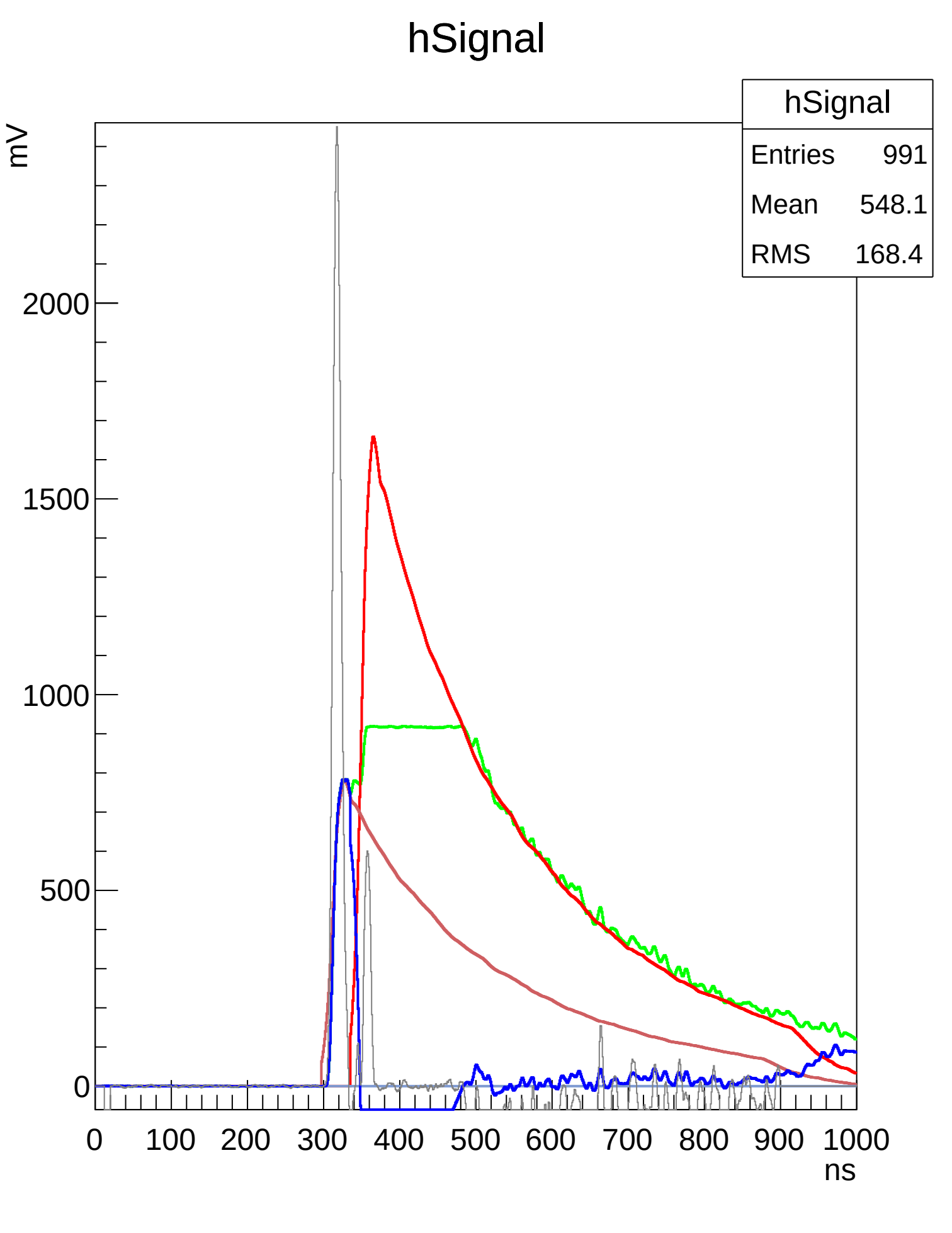

hSignal
hSignal
Entries 991
Mean 519.2
RMS 177.6
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

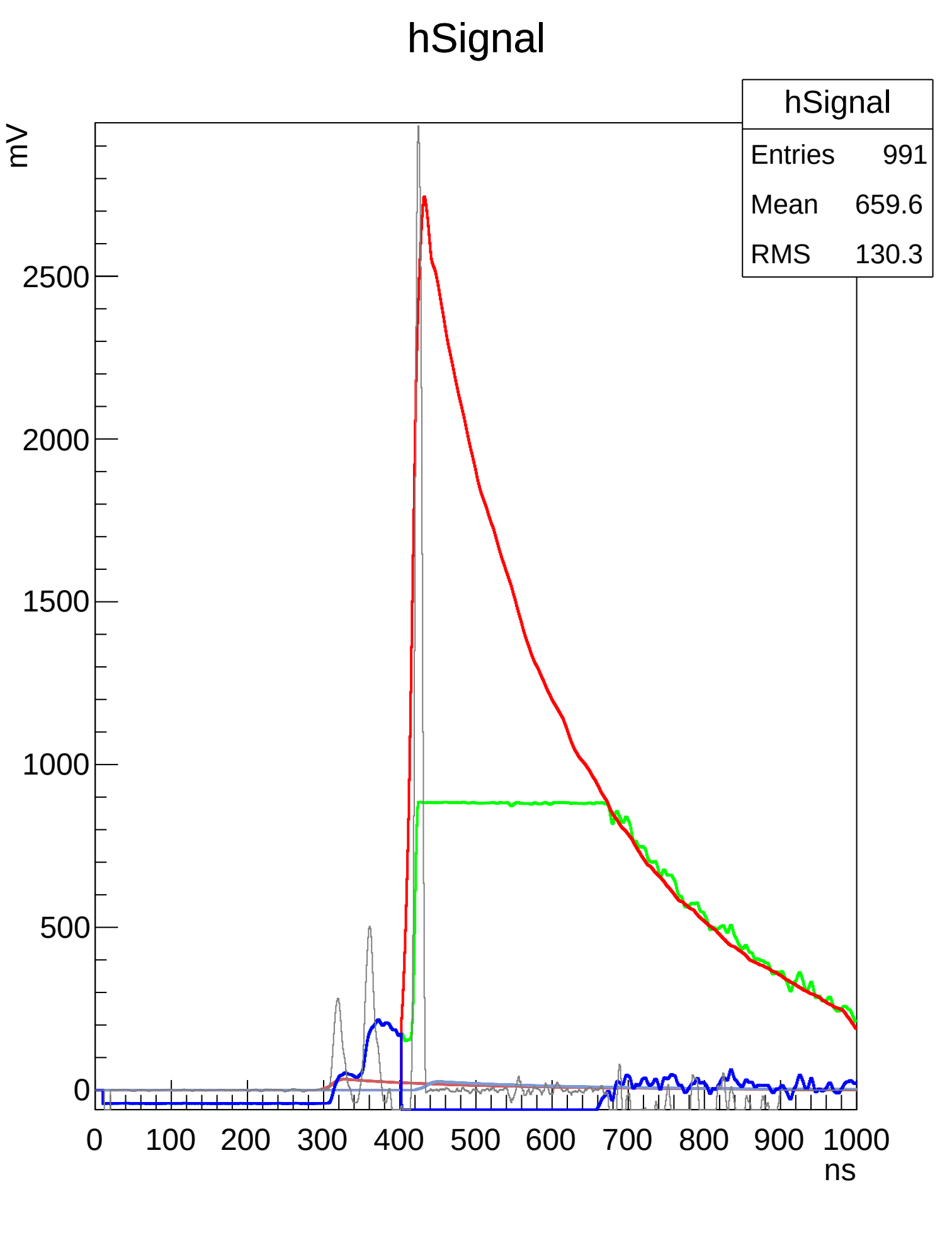

hSignal
hSignal
Entries 991
Mean 545.1
RMS 179.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

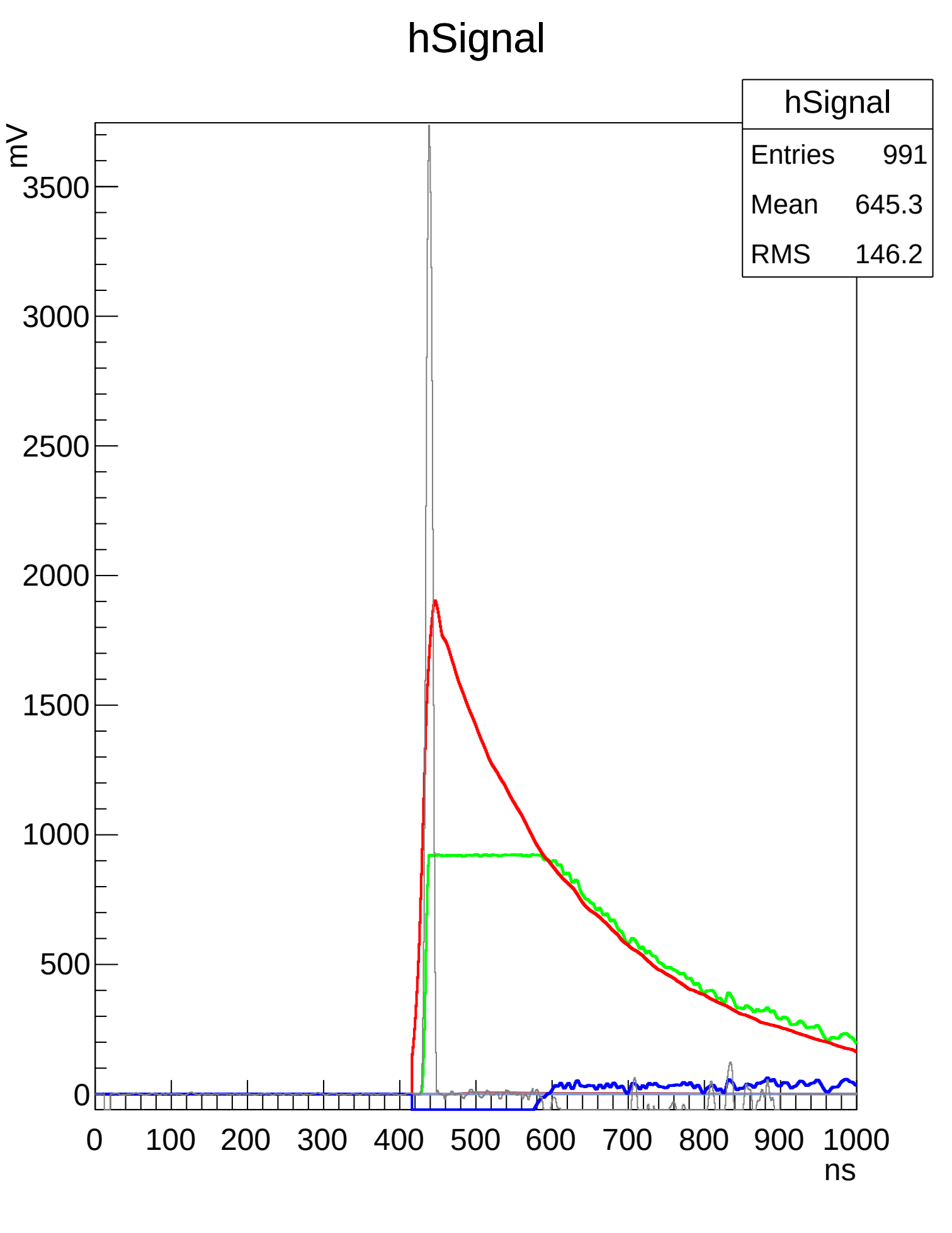

hSignal
hSignal
Entries 991
Mean 579.9
RMS 175.9
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

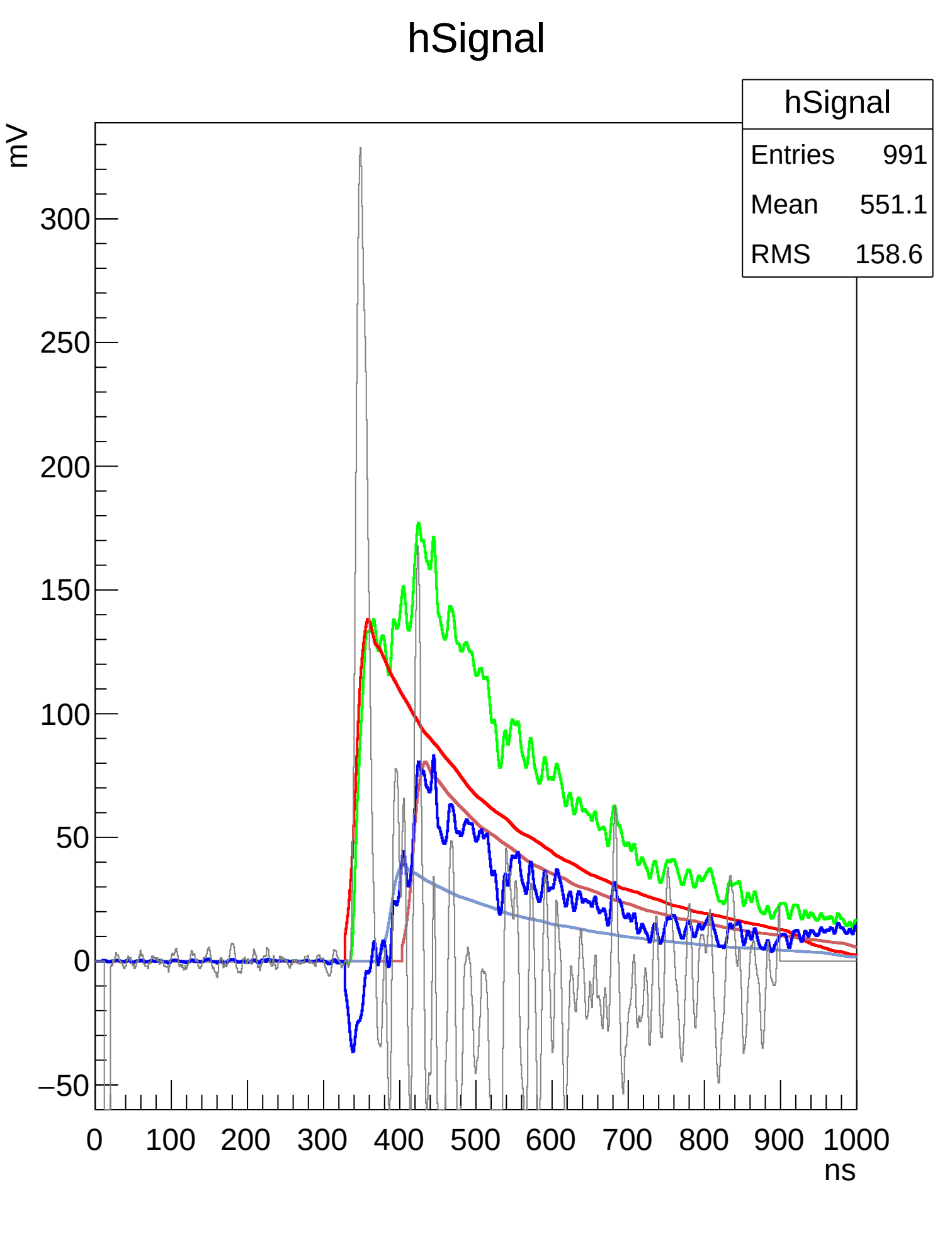

hSignal
hSignal
Entries 991
Mean 620.7
RMS 145.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

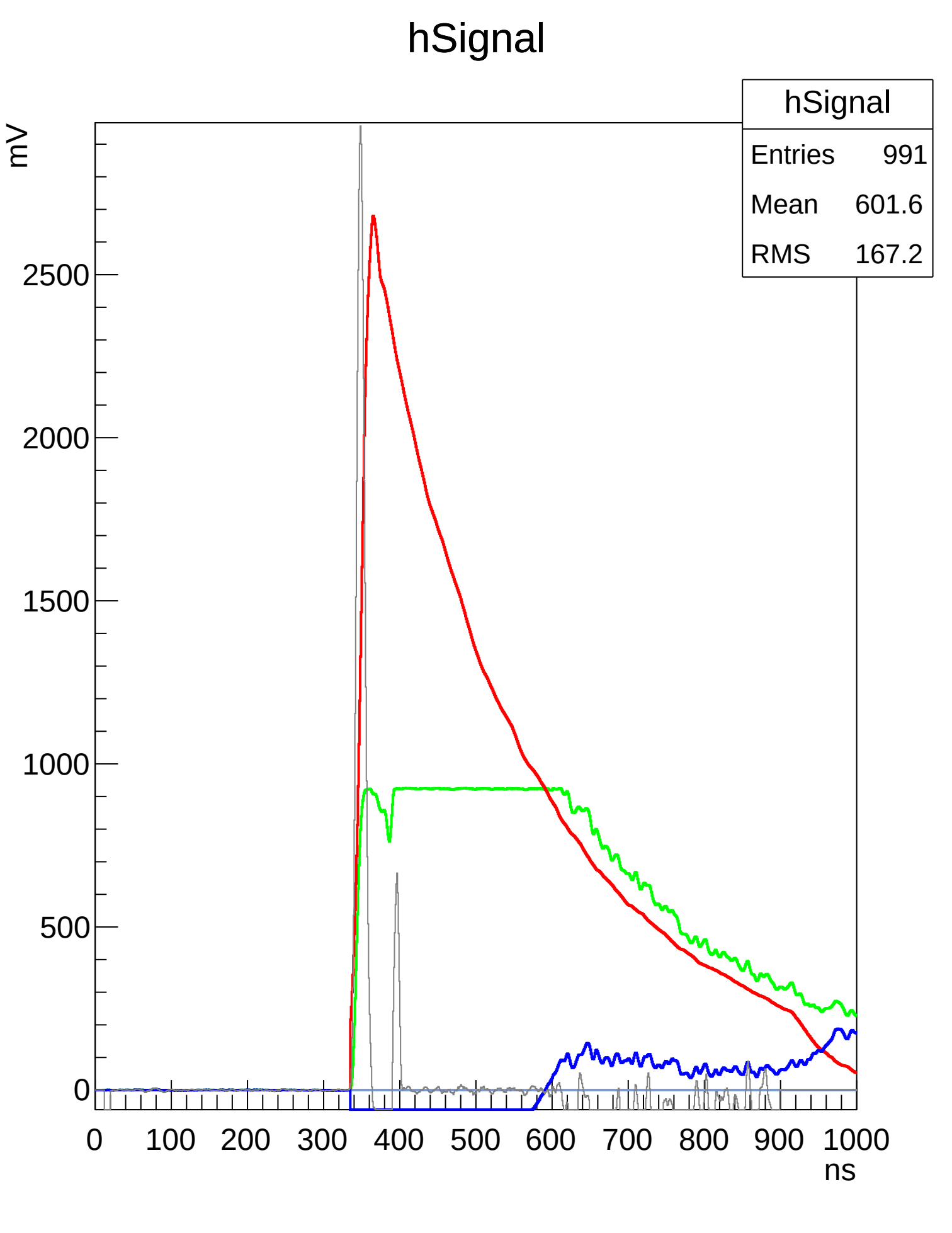

hSignal
hSignal
Entries 991
Mean 547.1
RMS 171.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

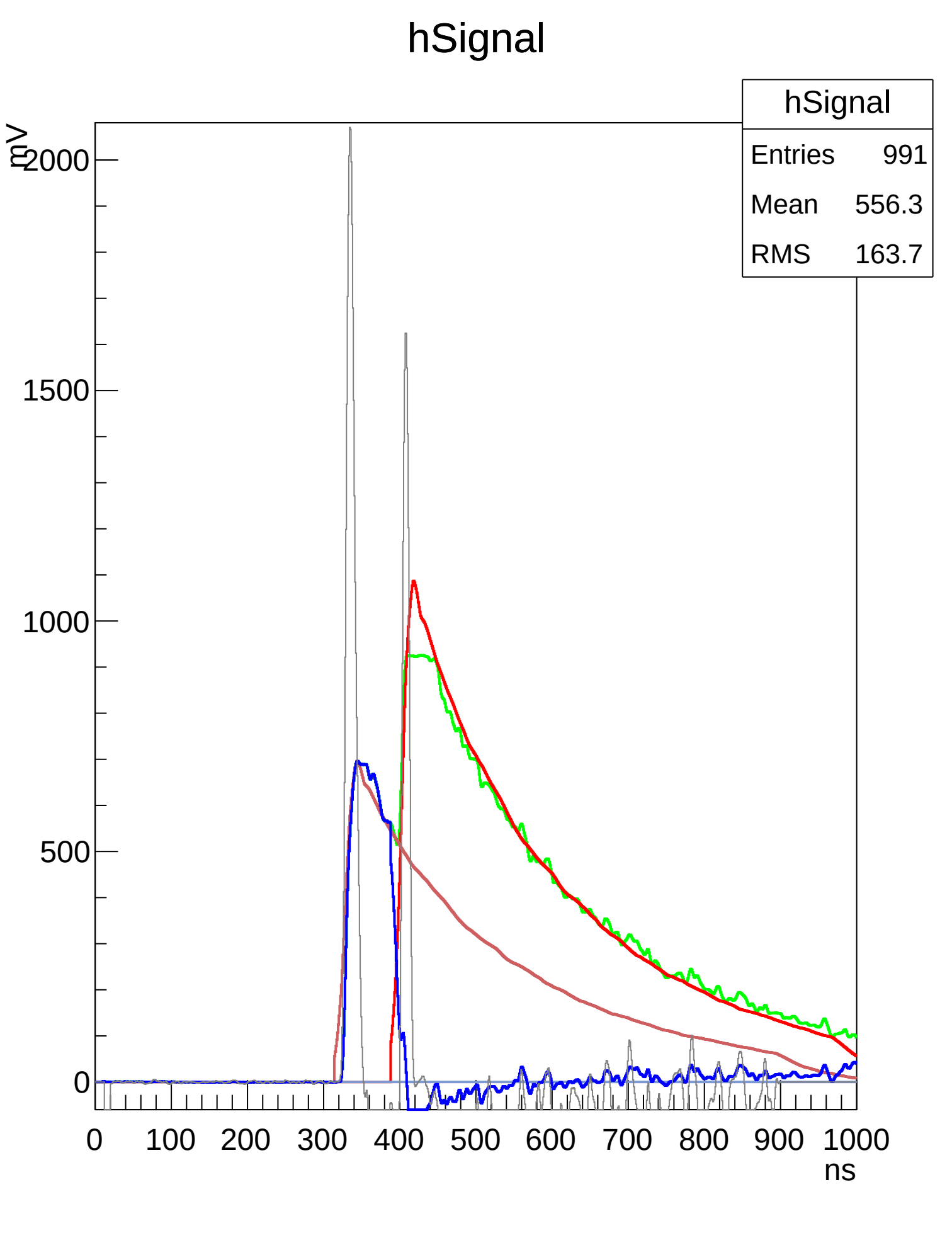

hSignal
hSignal
Entries 991
Mean 548.1
RMS 168.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

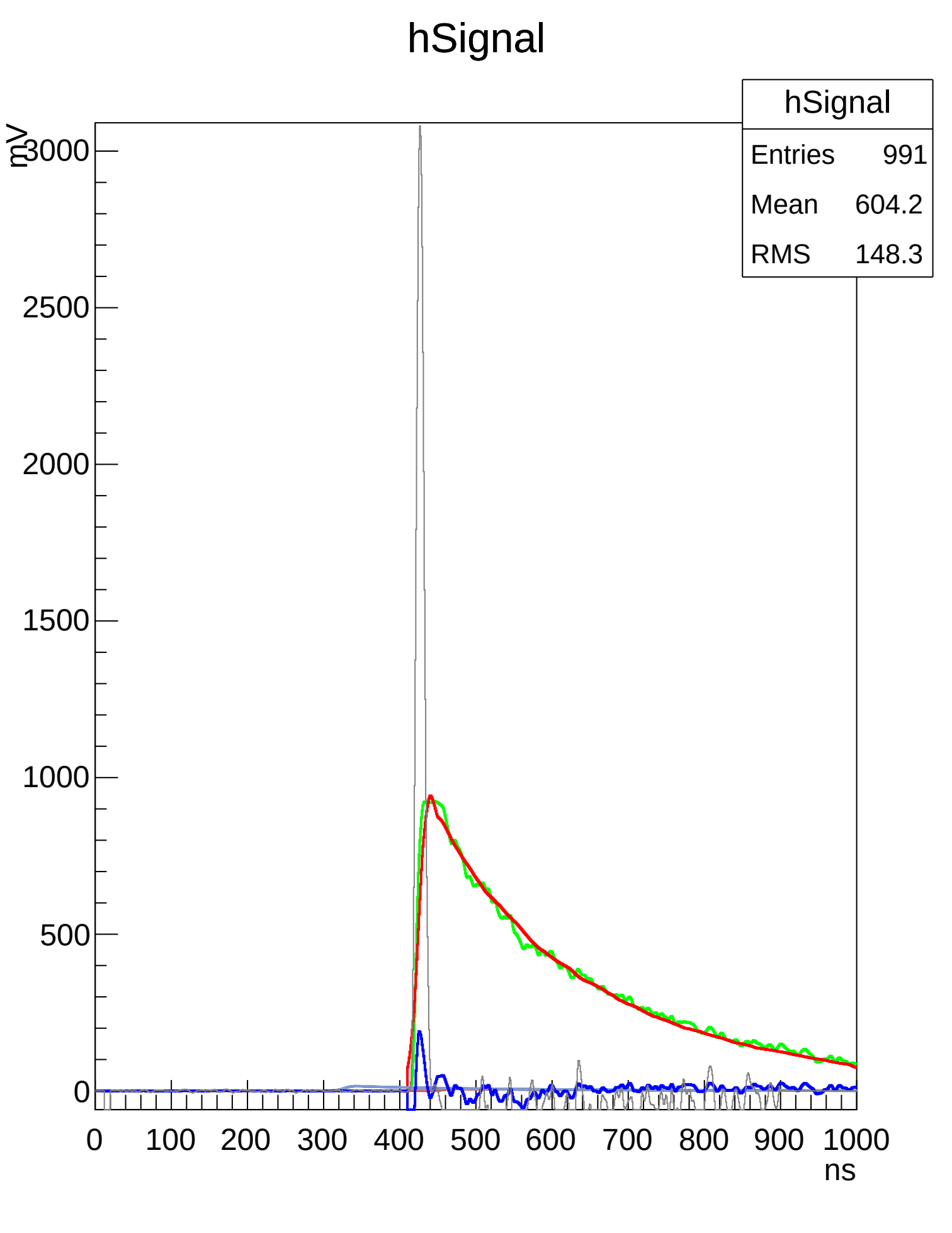

hSignal
hSignal
Entries 991
Mean 659.6
RMS 130.3
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

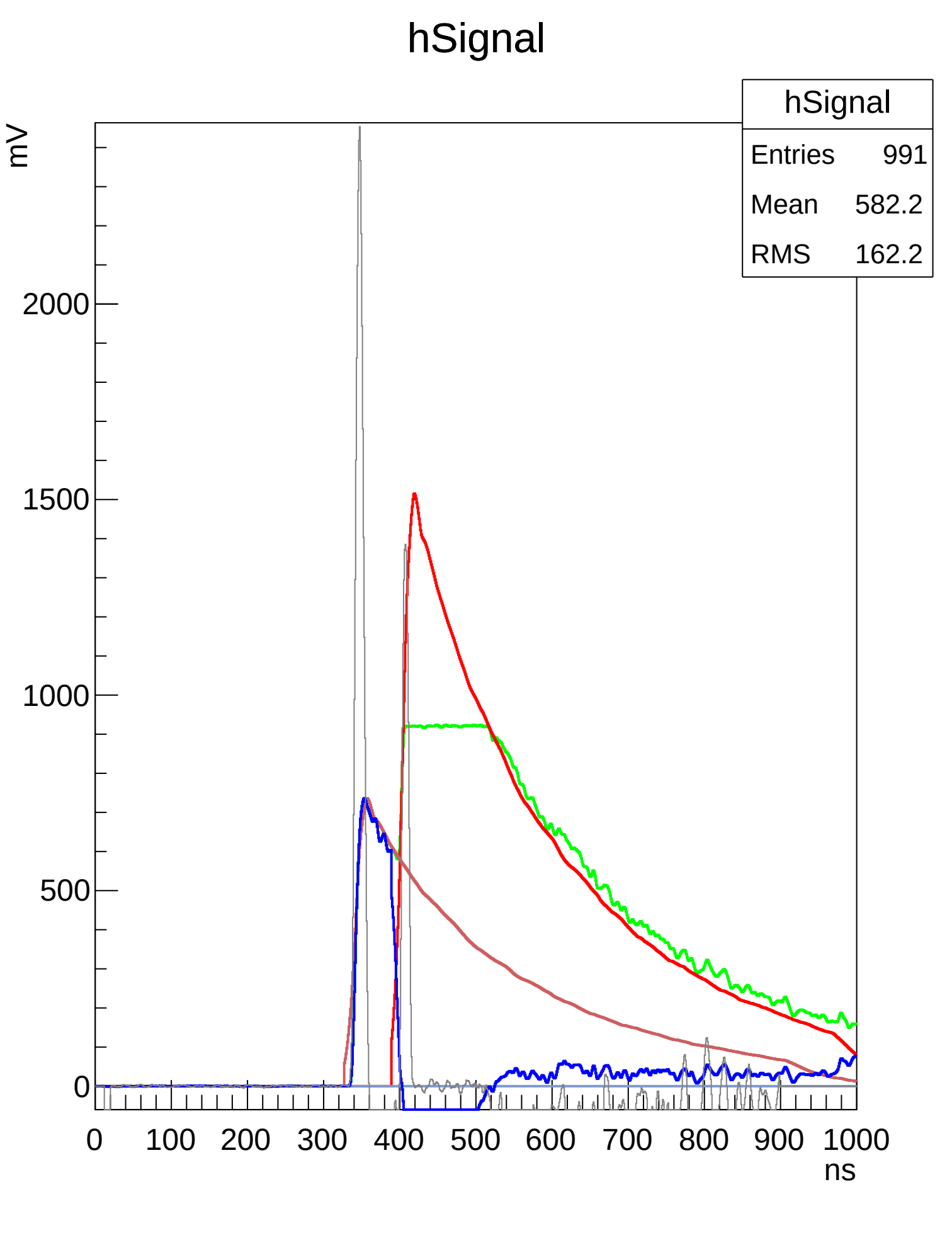

hSignal
hSignal
Entries 991
Mean 645.3
RMS 146.2
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

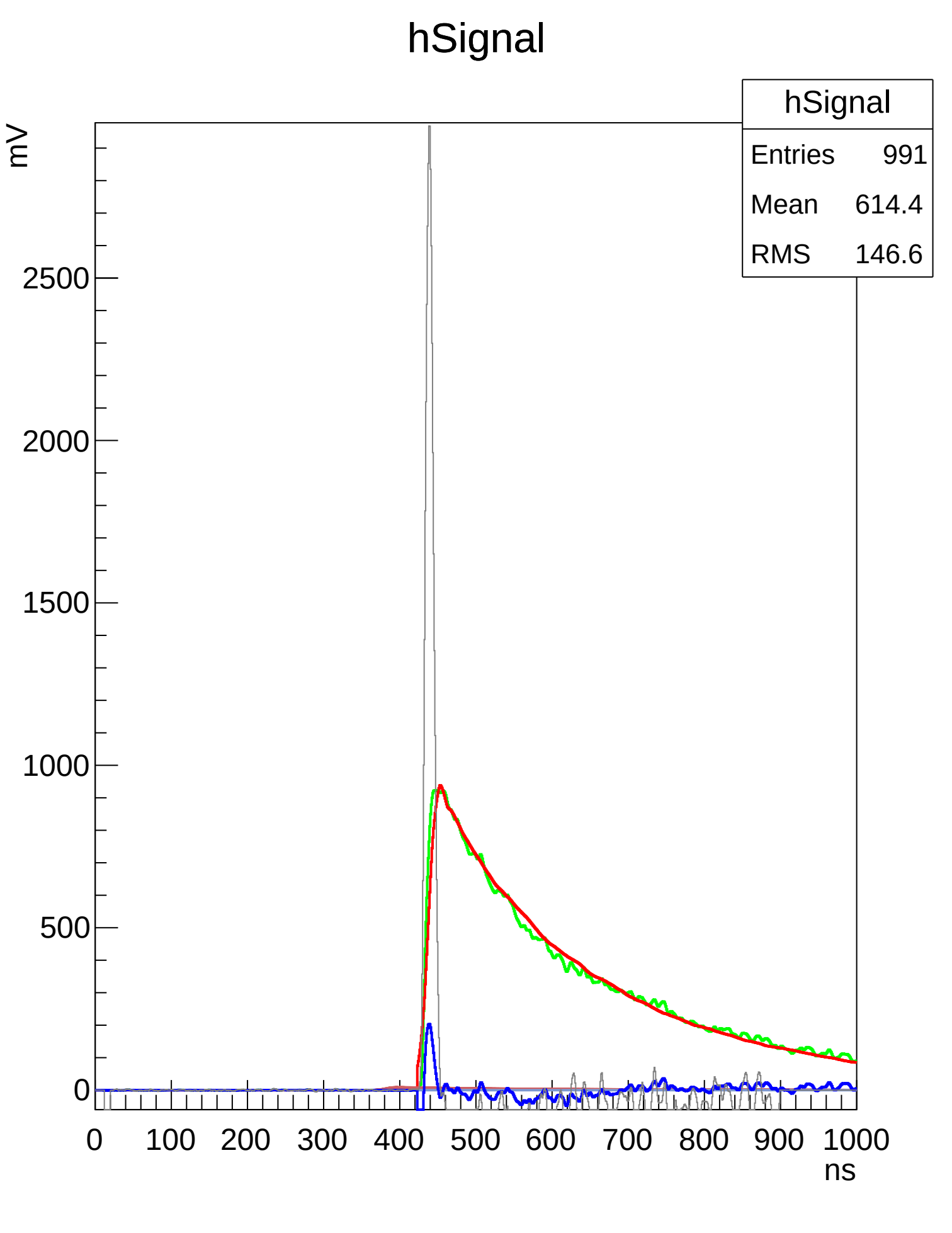

hSignal
hSignal
Entries 991
Mean 551.1
RMS 158.6
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

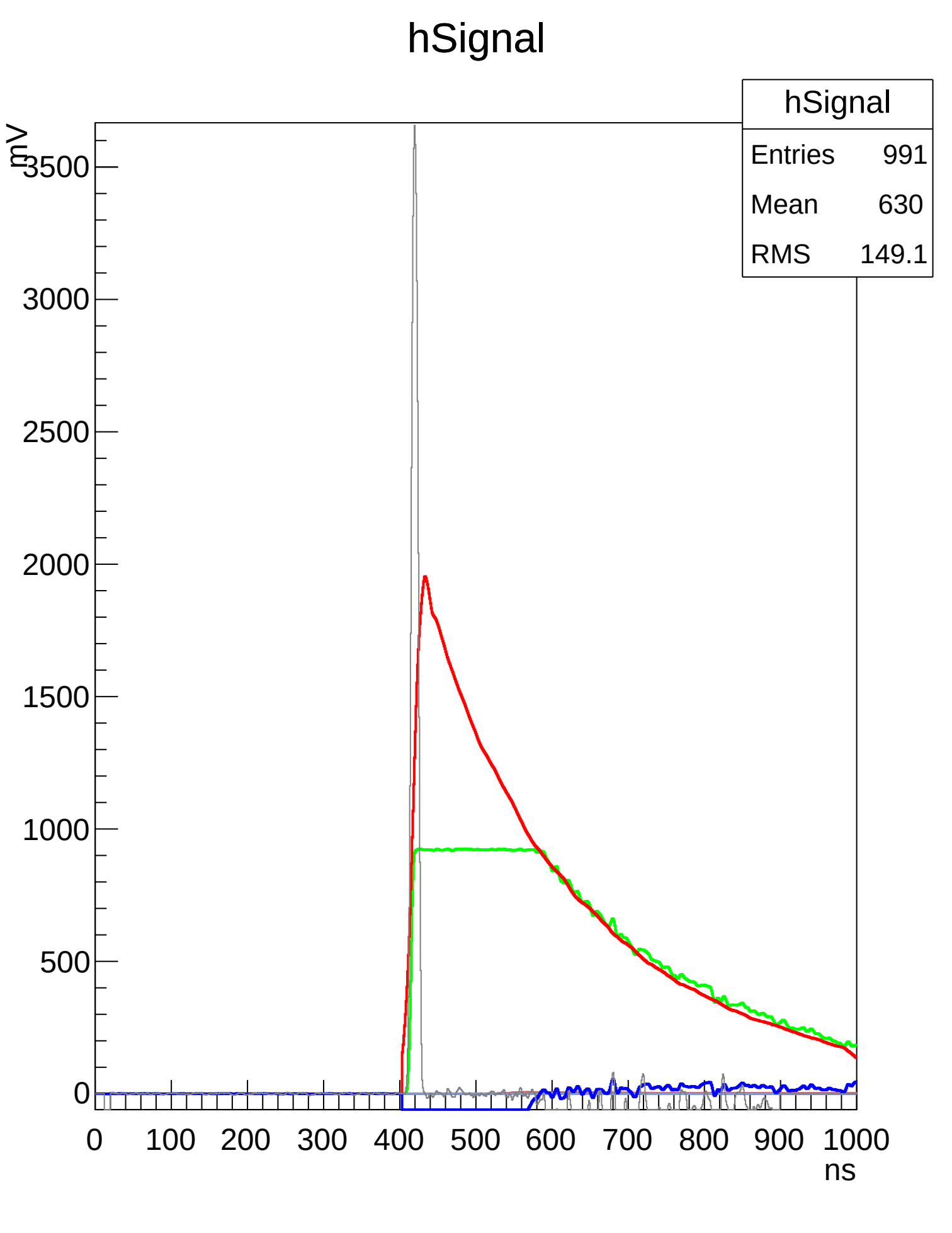

hSignal
hSignal
Entries 991
Mean 601.6
RMS 167.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

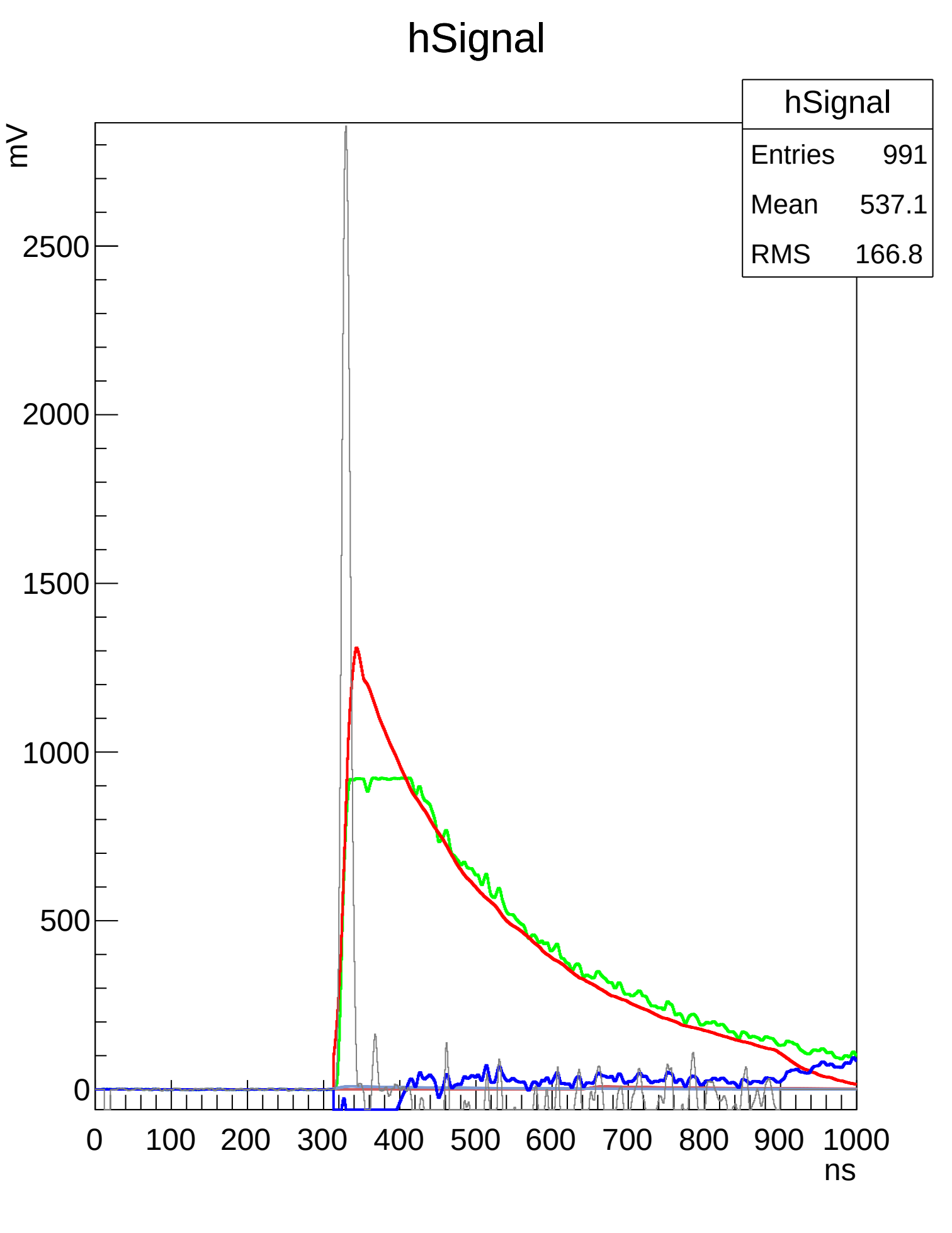

hSignal
hSignal
Entries 991
Mean 556.3
RMS 163.7
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

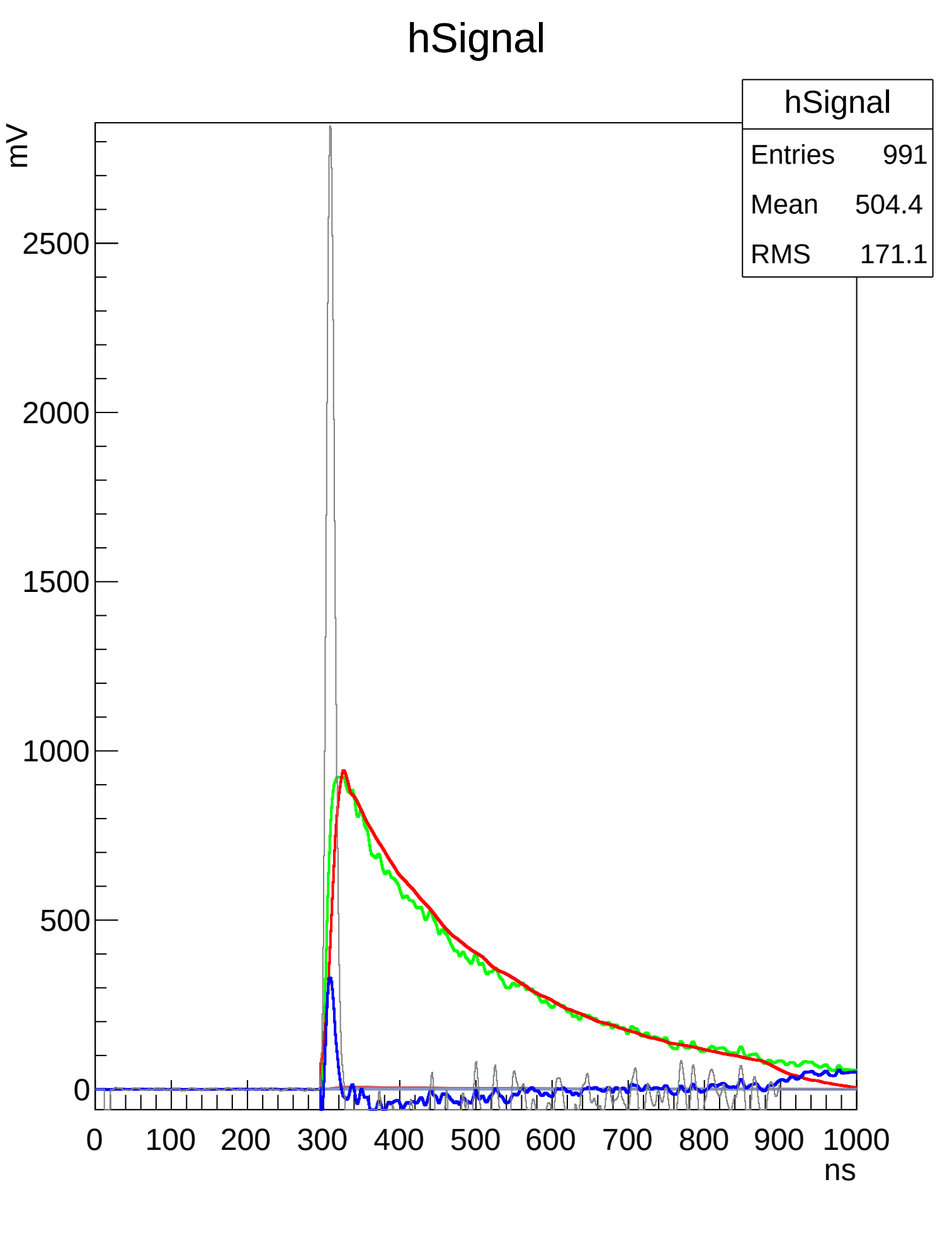

hSignal
hSignal
Entries 991
Mean 604.2
RMS 148.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

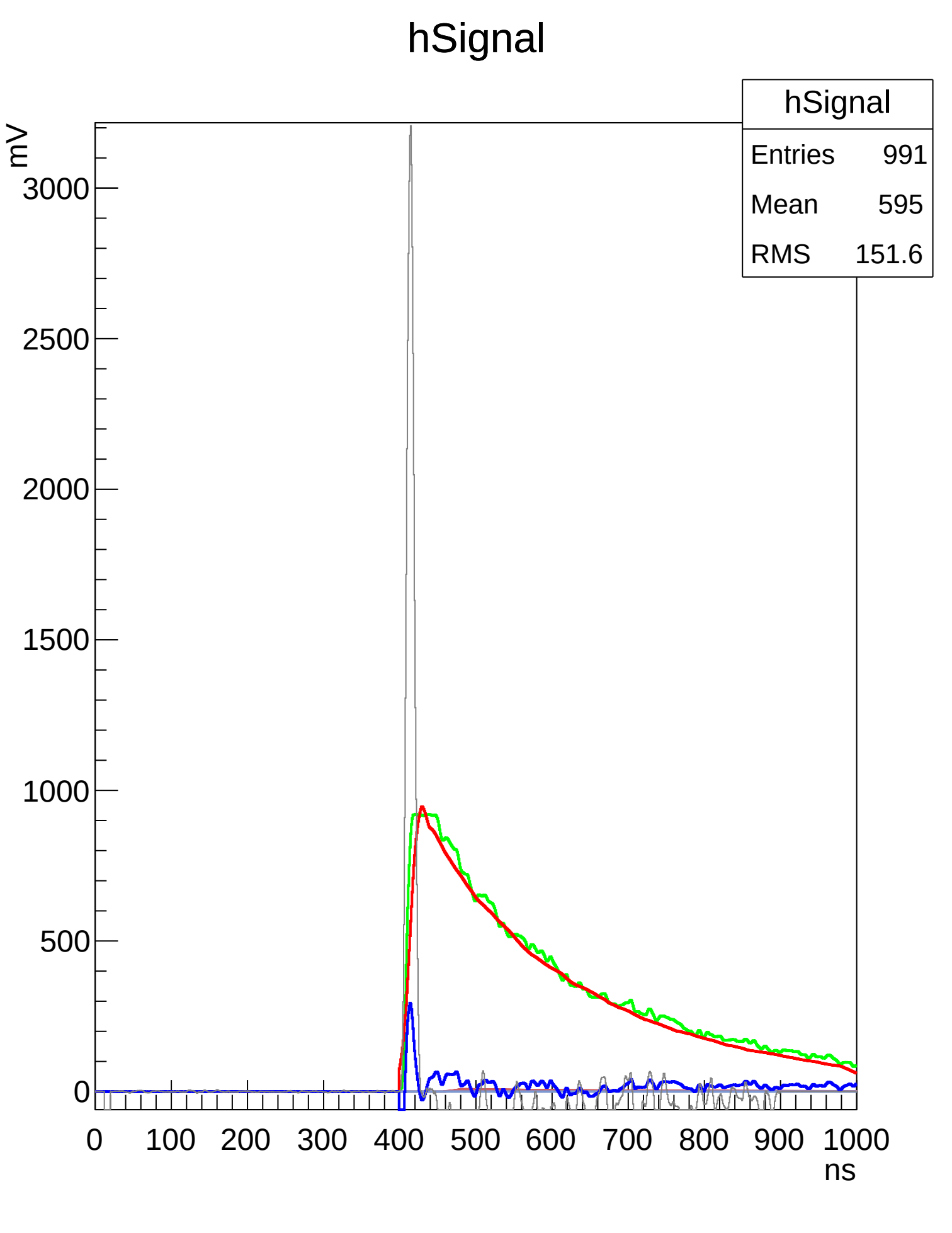

hSignal
hSignal
Entries 991
Mean 582.2
RMS 162.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

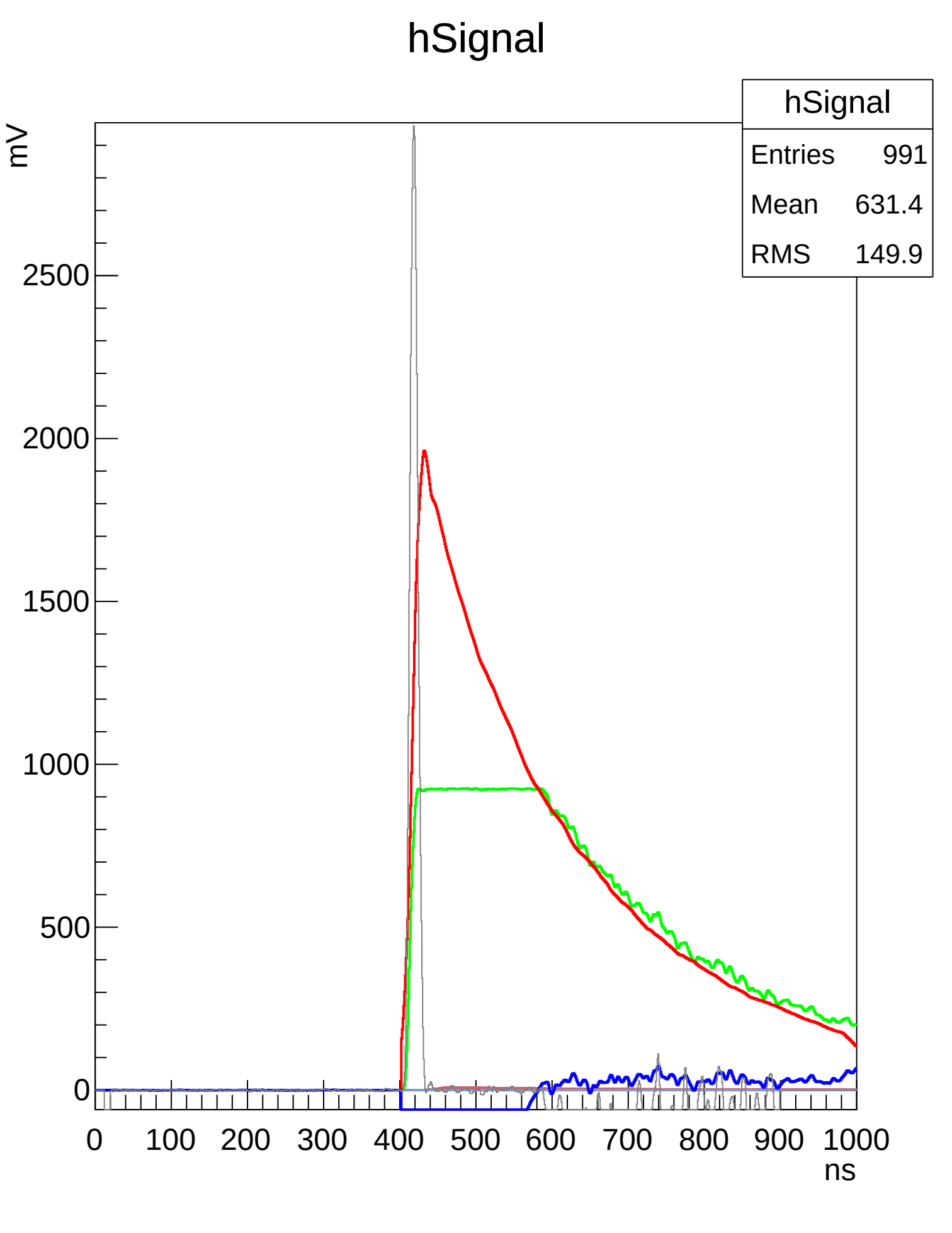

hSignal
hSignal
Entries 991
Mean 614.4
RMS 146.6
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

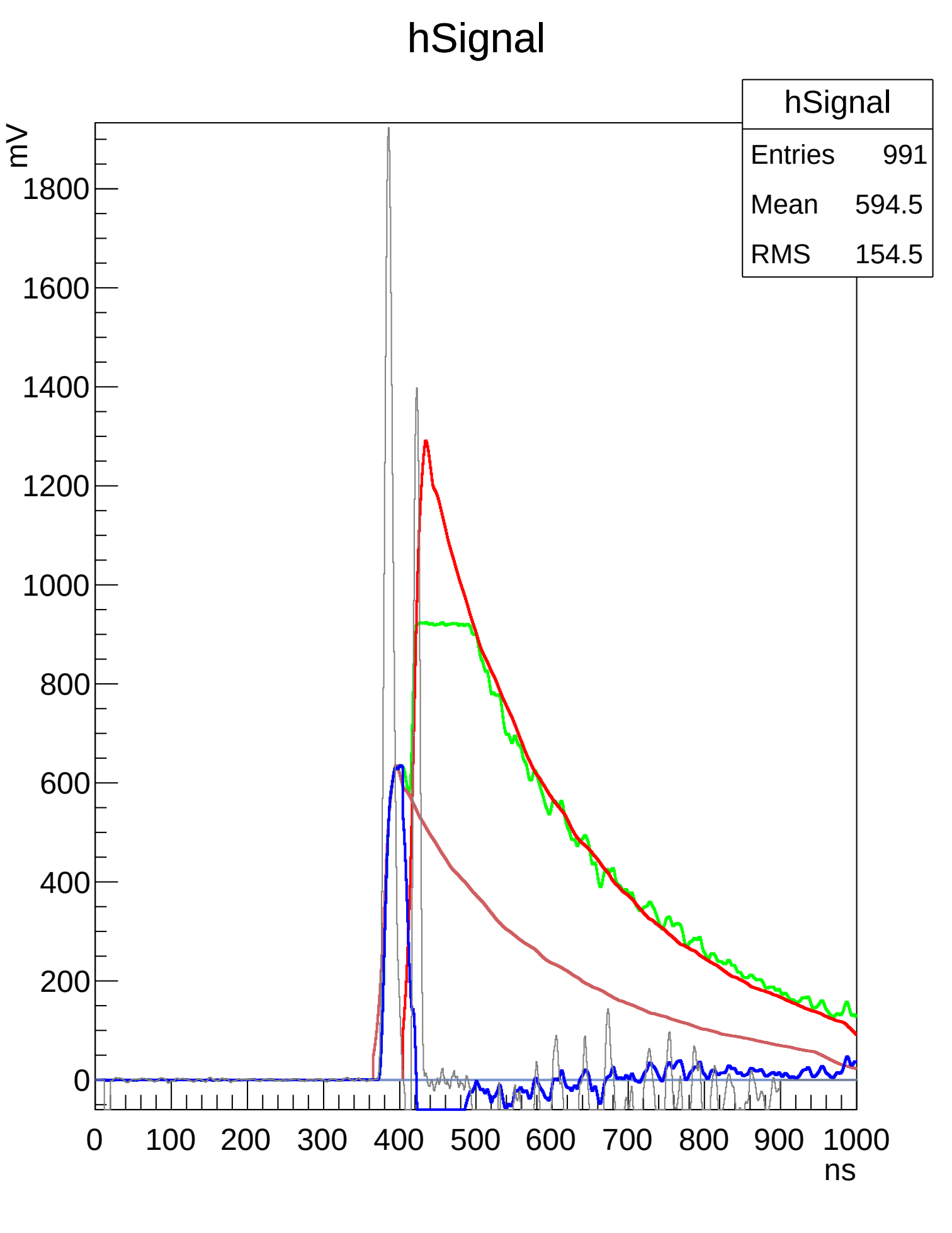

hSignal
hSignal
Entries 991
Mean 630
RMS 149.1
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

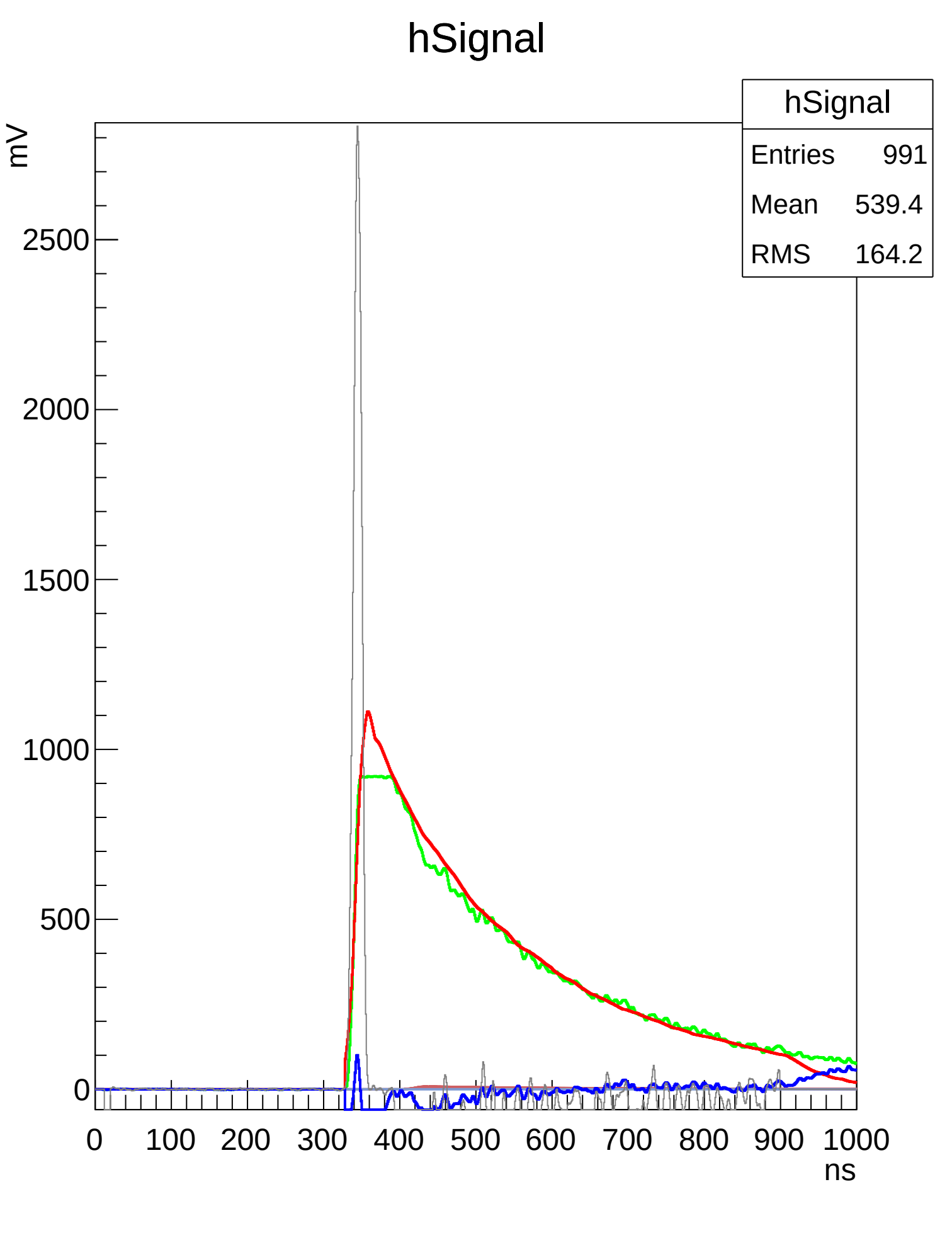

hSignal
hSignal
Entries 991
Mean 537.1
RMS 166.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

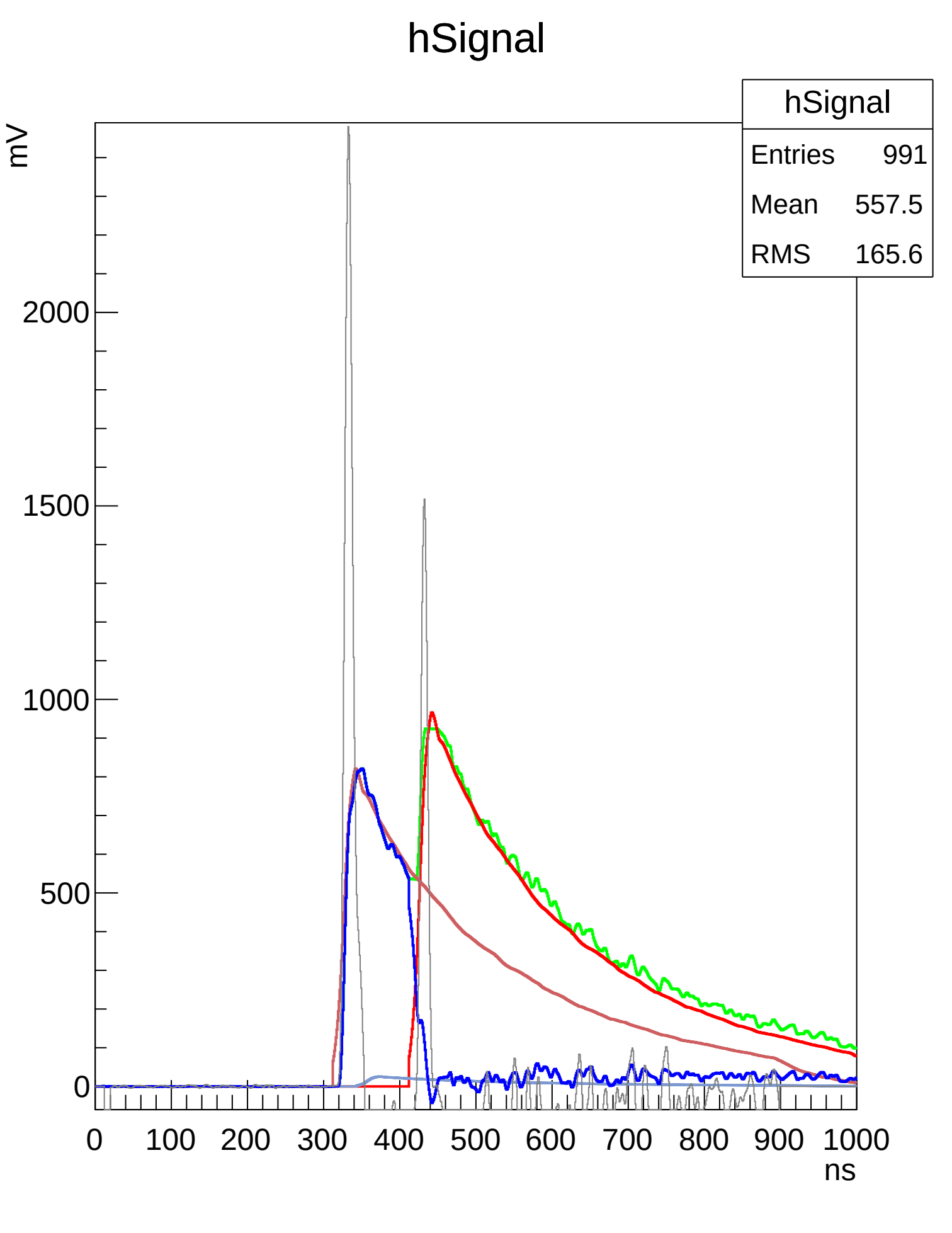

hSignal
hSignal
Entries 991
Mean 504.4
RMS 171.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

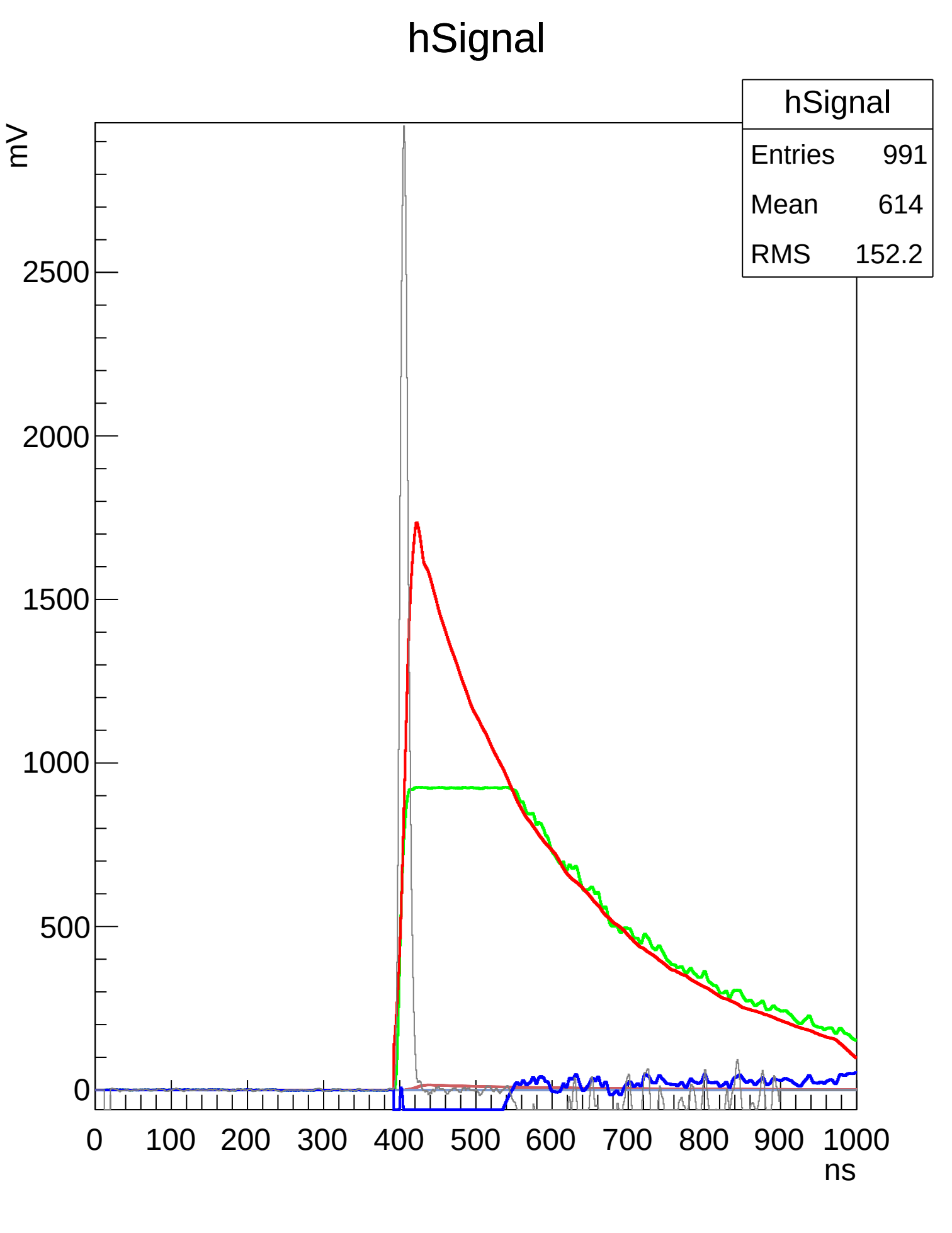

hSignal
hSignal
Entries 991
Mean 595
RMS 151.6
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

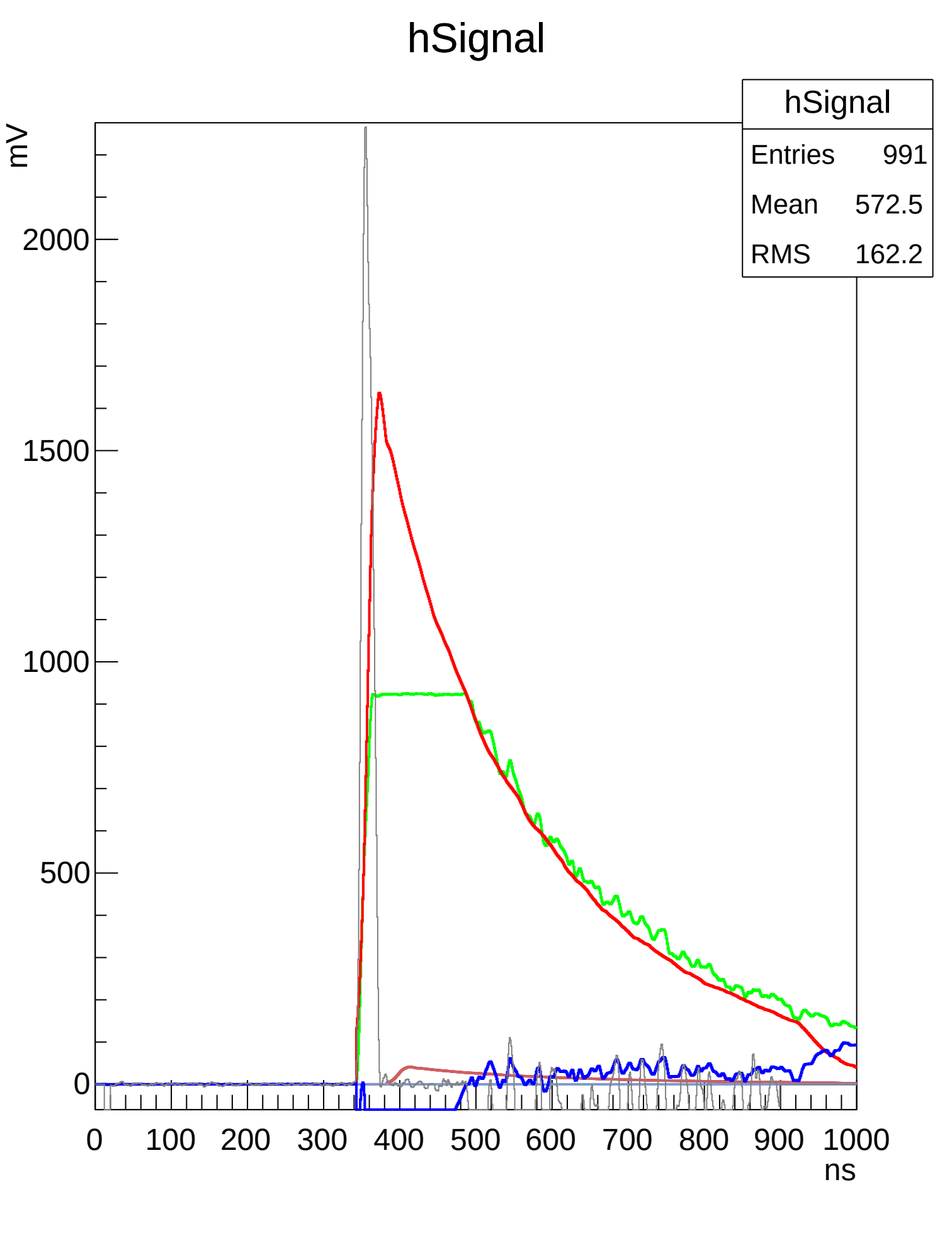

hSignal
hSignal
Entries 991
Mean 631.4
RMS 149.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

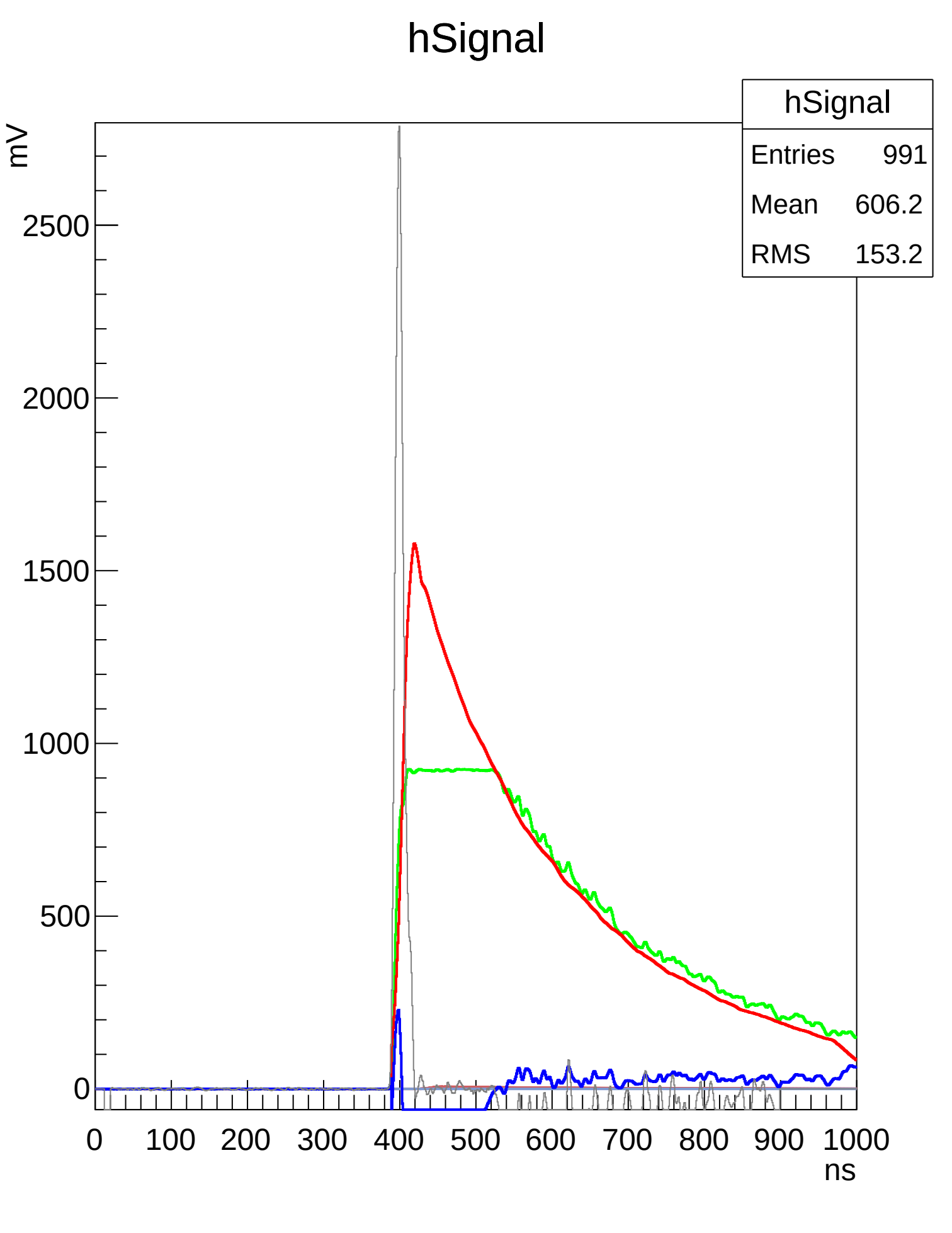

hSignal
hSignal
Entries 991
Mean 594.5
RMS 154.5
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

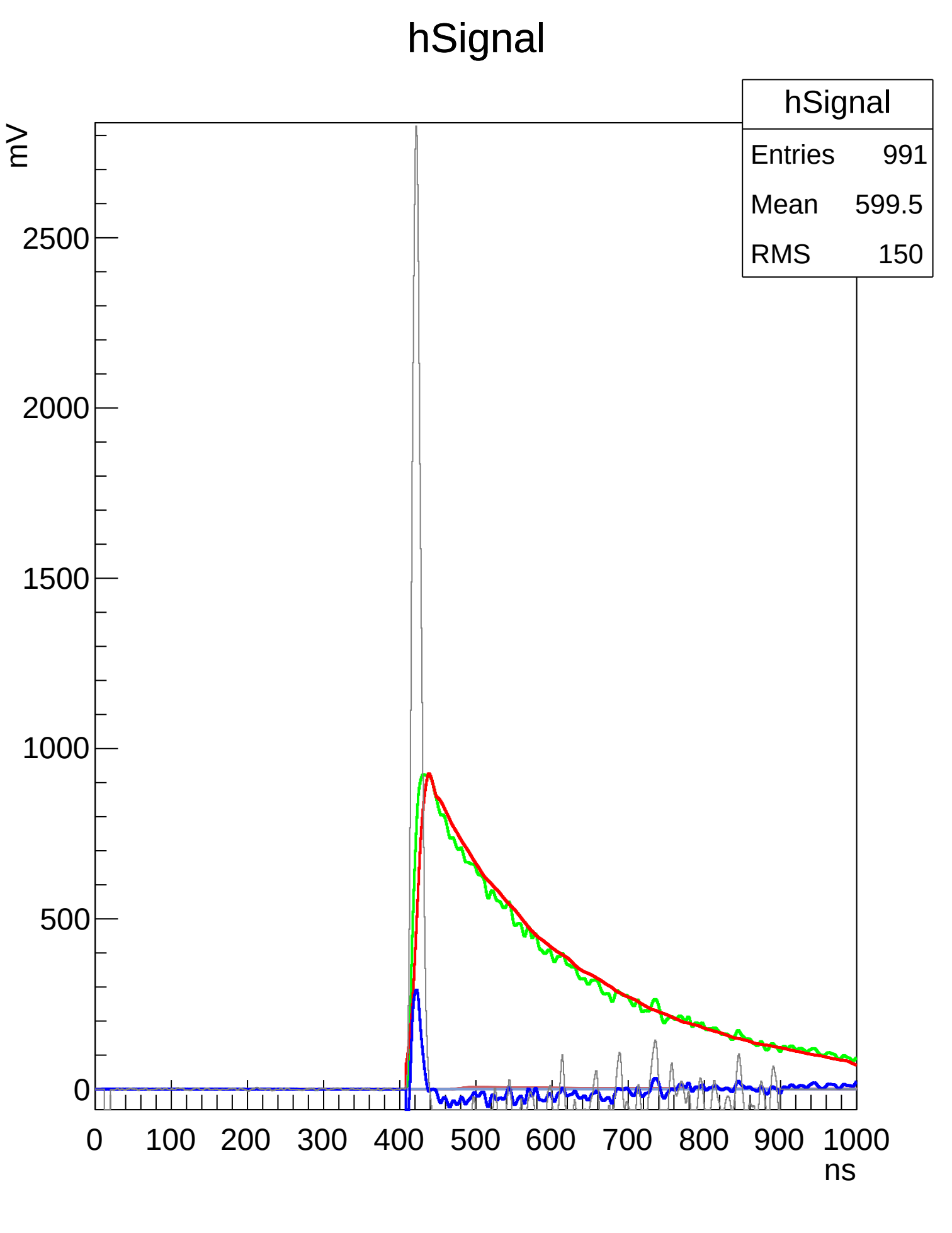

hSignal
hSignal
Entries 991
Mean 539.4
RMS 164.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

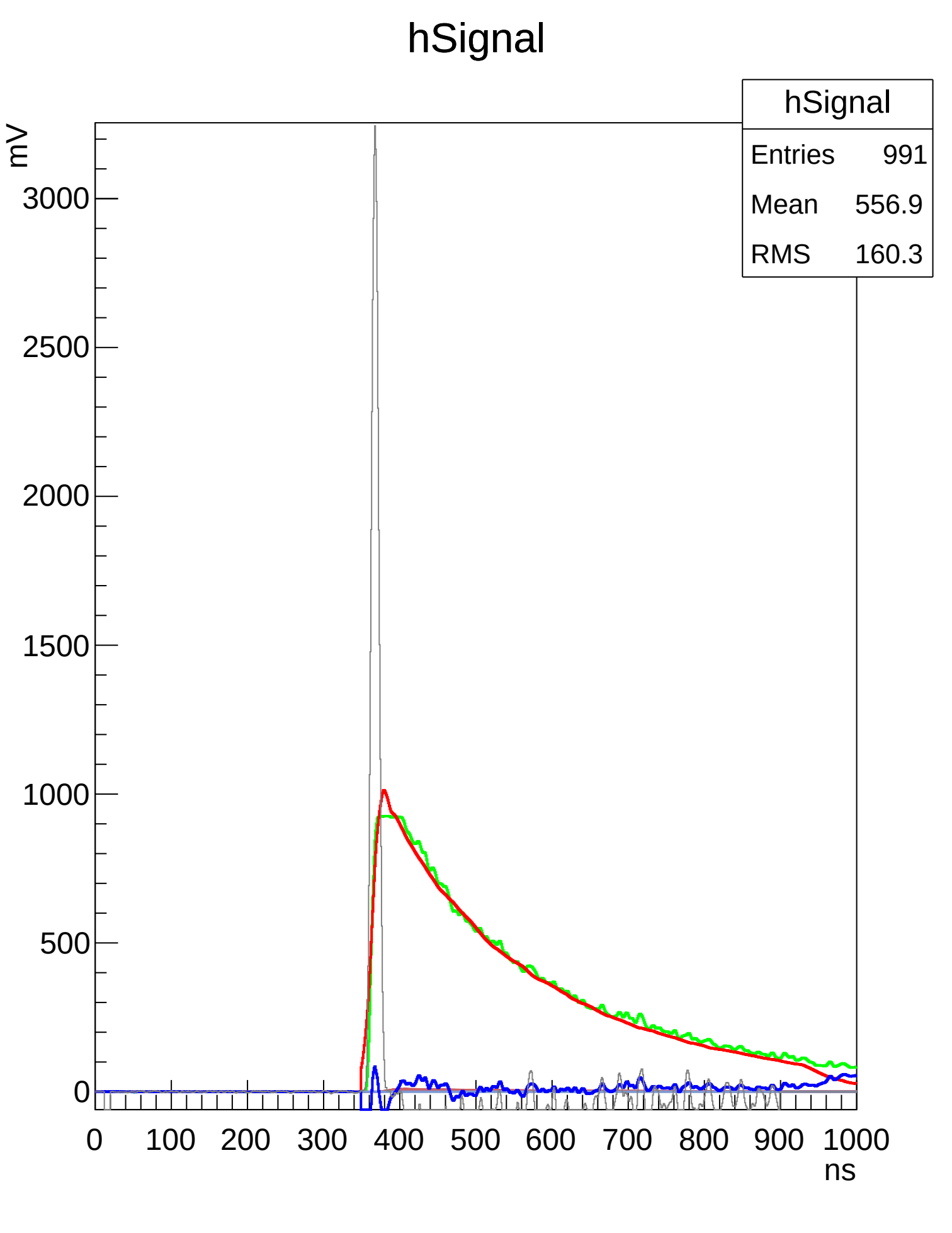

hSignal
hSignal
Entries 991
Mean 557.5
RMS 165.6
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

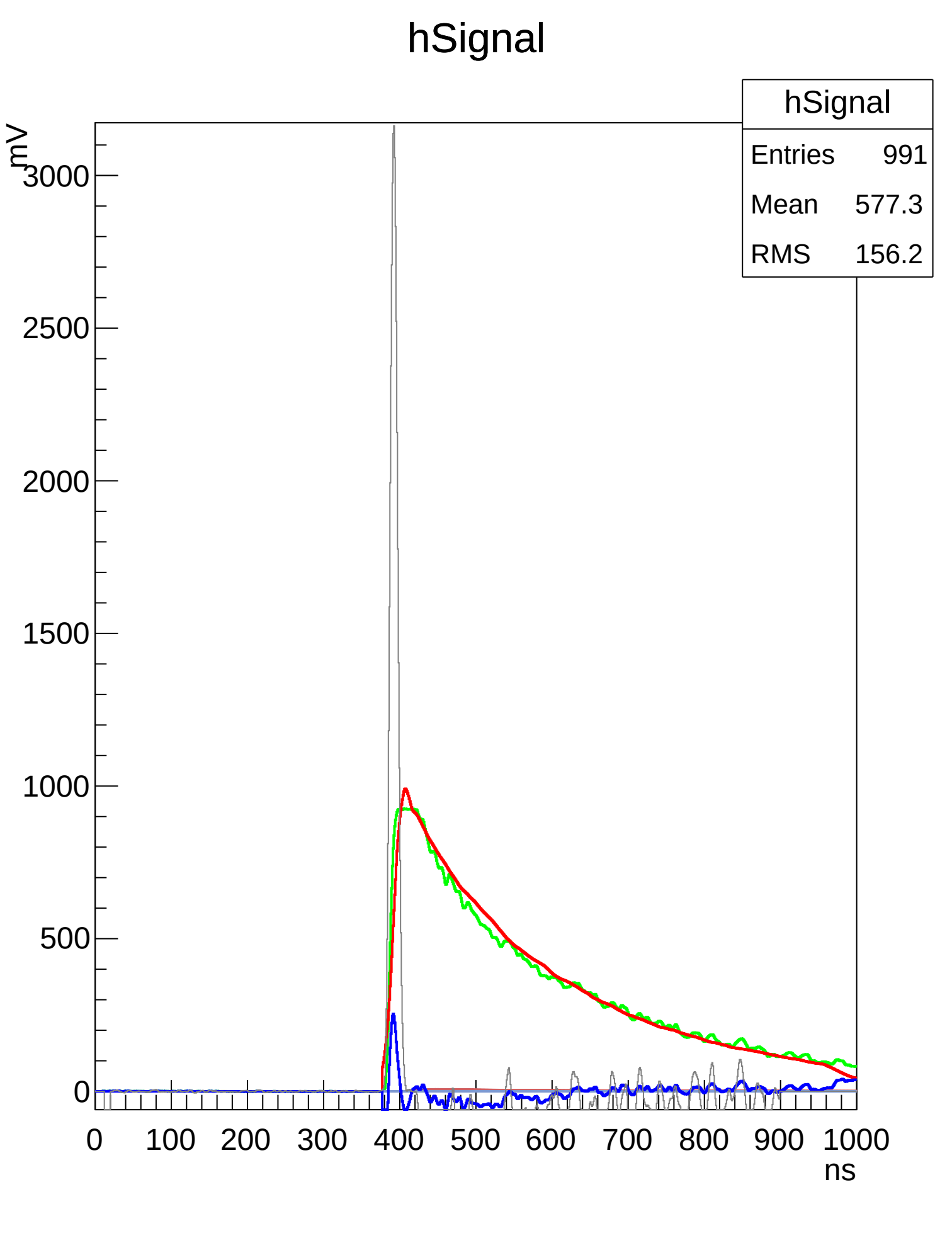

hSignal
hSignal
Entries 991
Mean 614
RMS 152.2
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

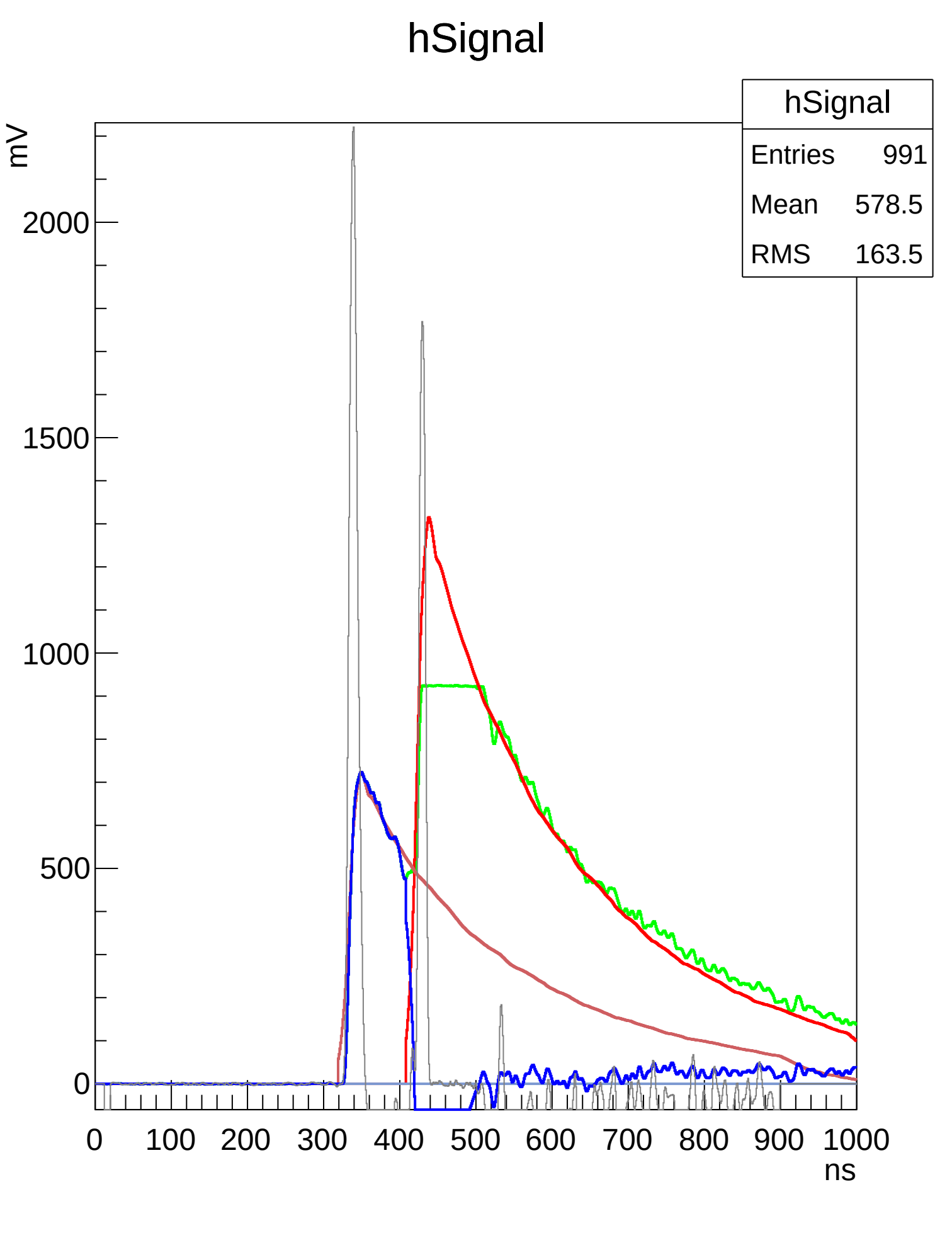

hSignal
hSignal
Entries 991
Mean 572.5
RMS 162.2
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

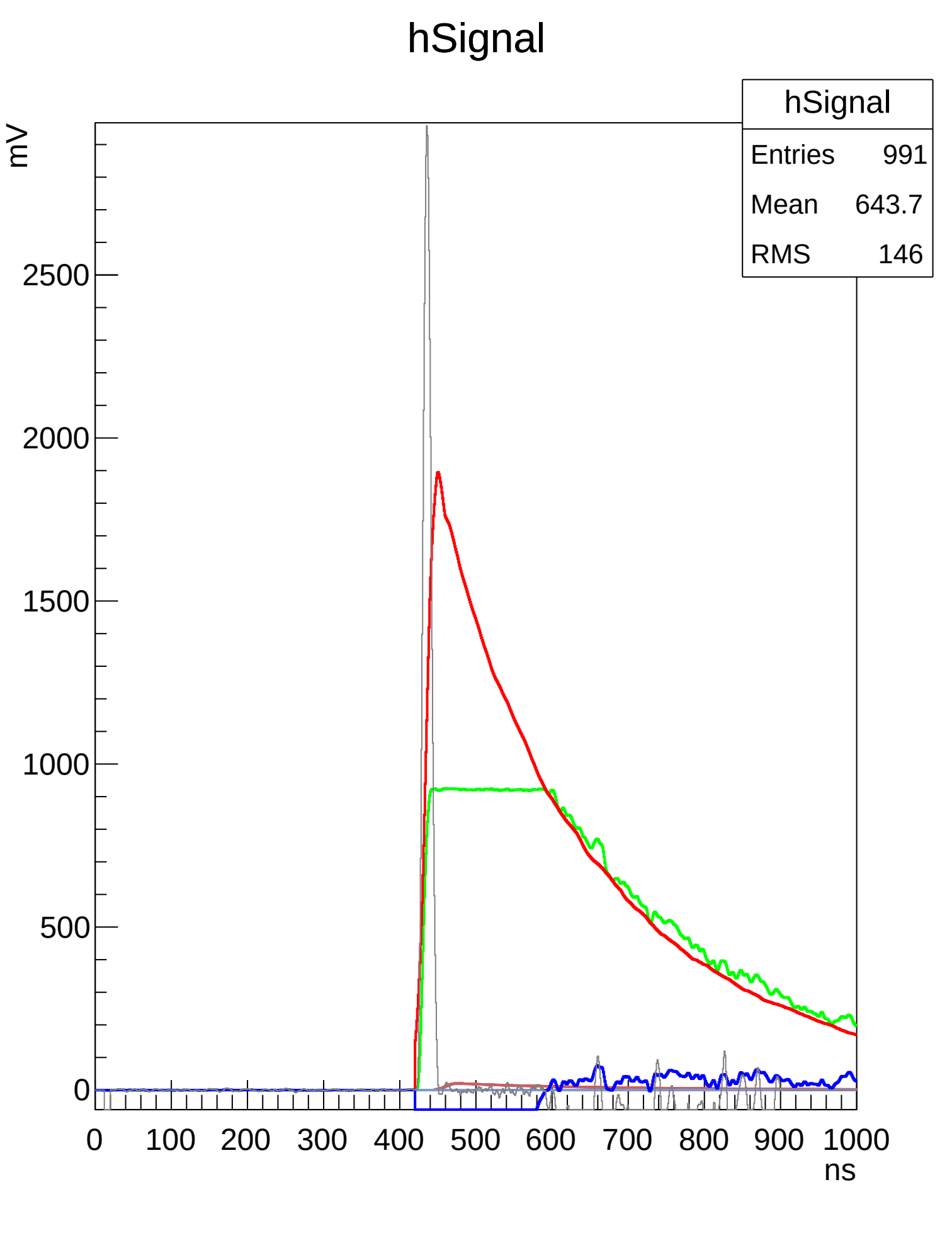

hSignal
hSignal
Entries 991
Mean 606.2
RMS 153.2
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

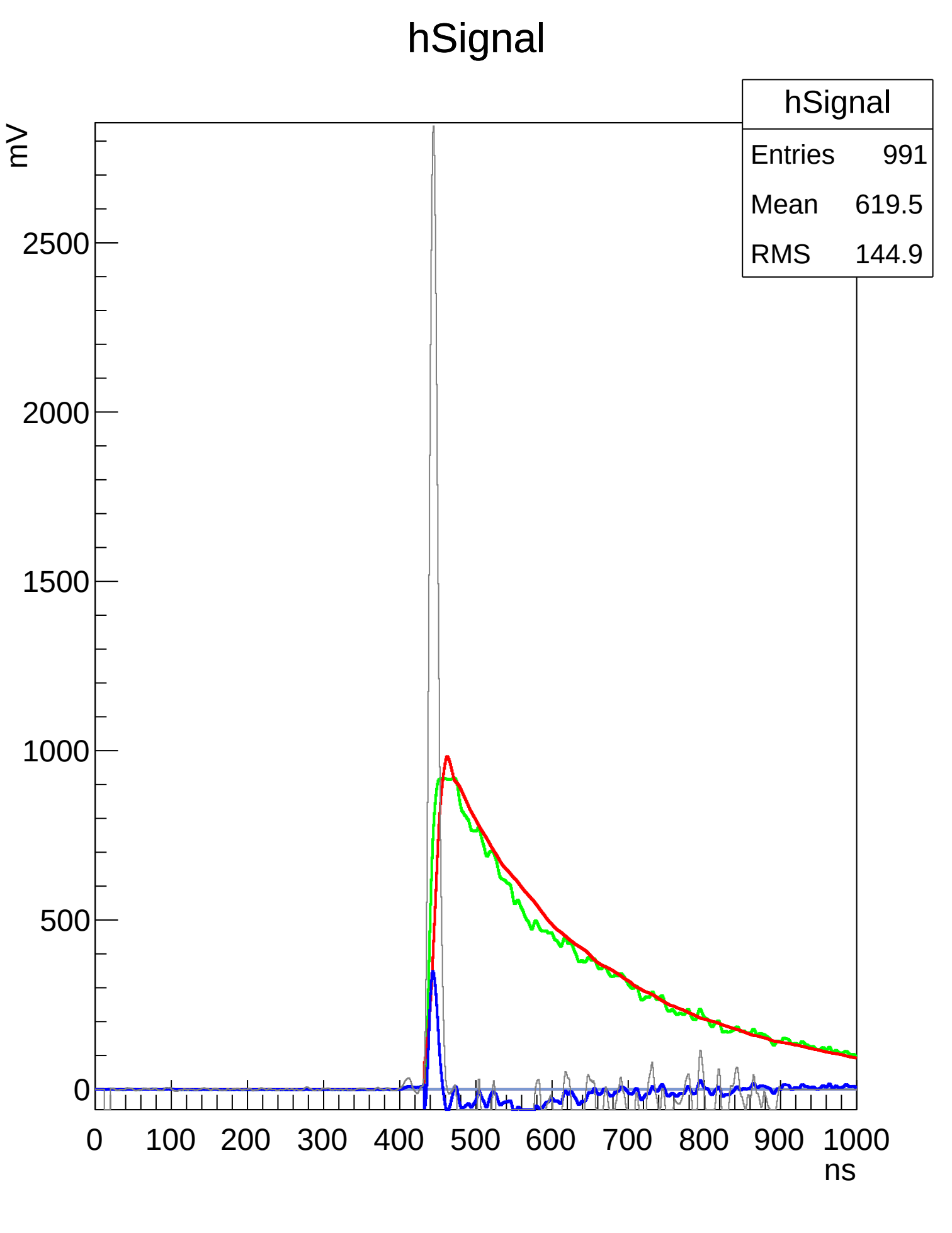

hSignal
hSignal
Entries 991
Mean 599.5
RMS 150
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

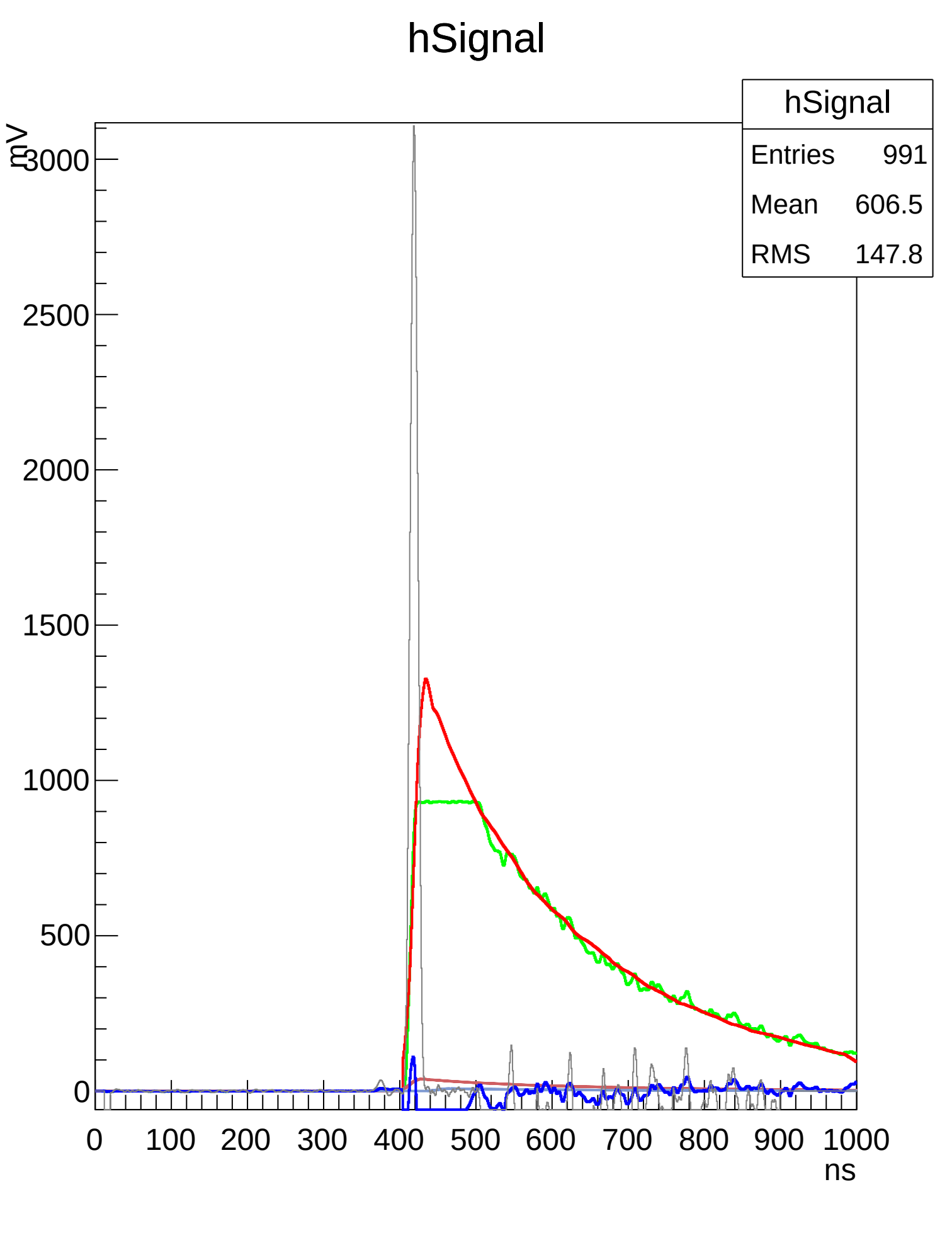

hSignal
hSignal
Entries 991
Mean 556.9
RMS 160.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

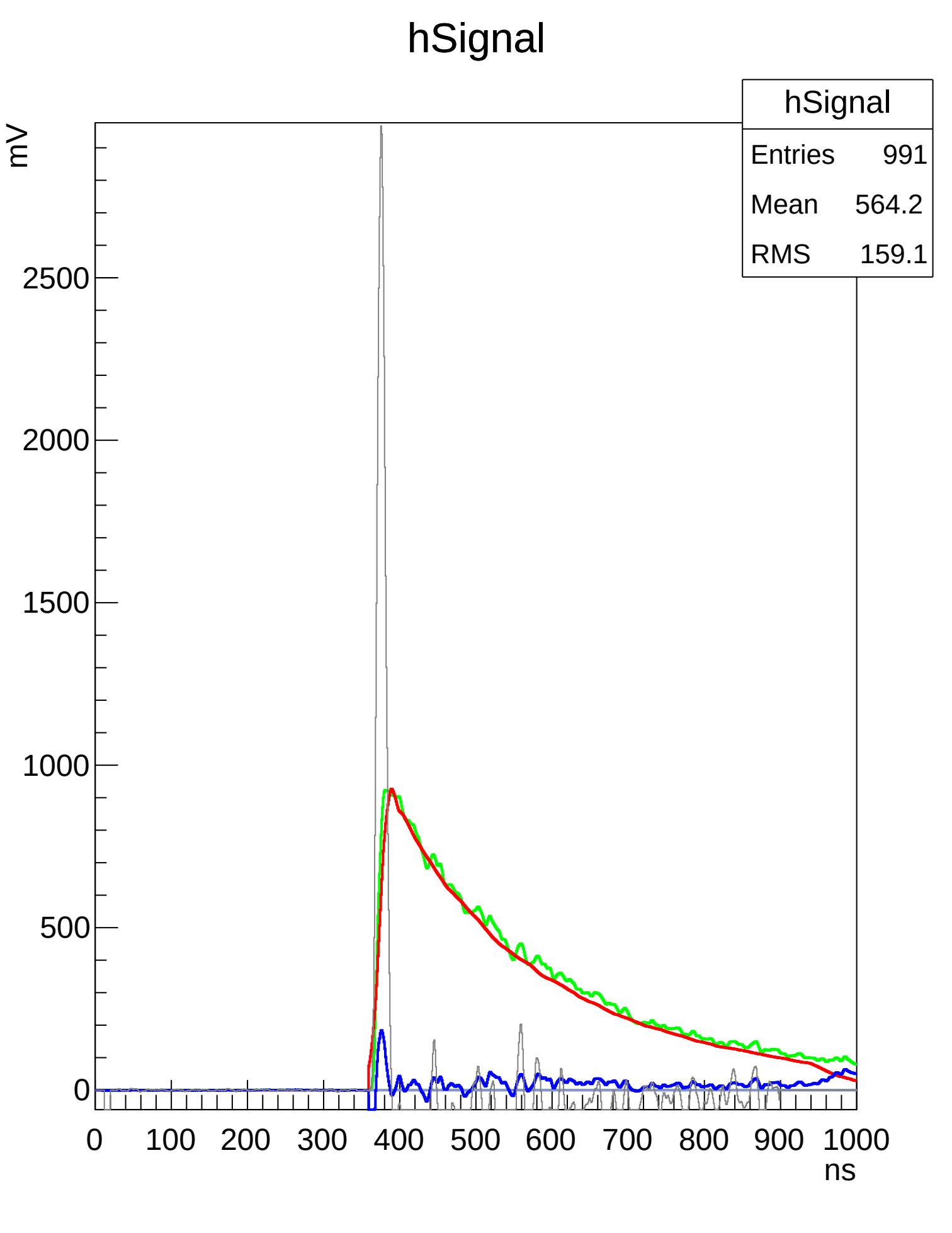

hSignal
hSignal
Entries 991
Mean 577.3
RMS 156.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

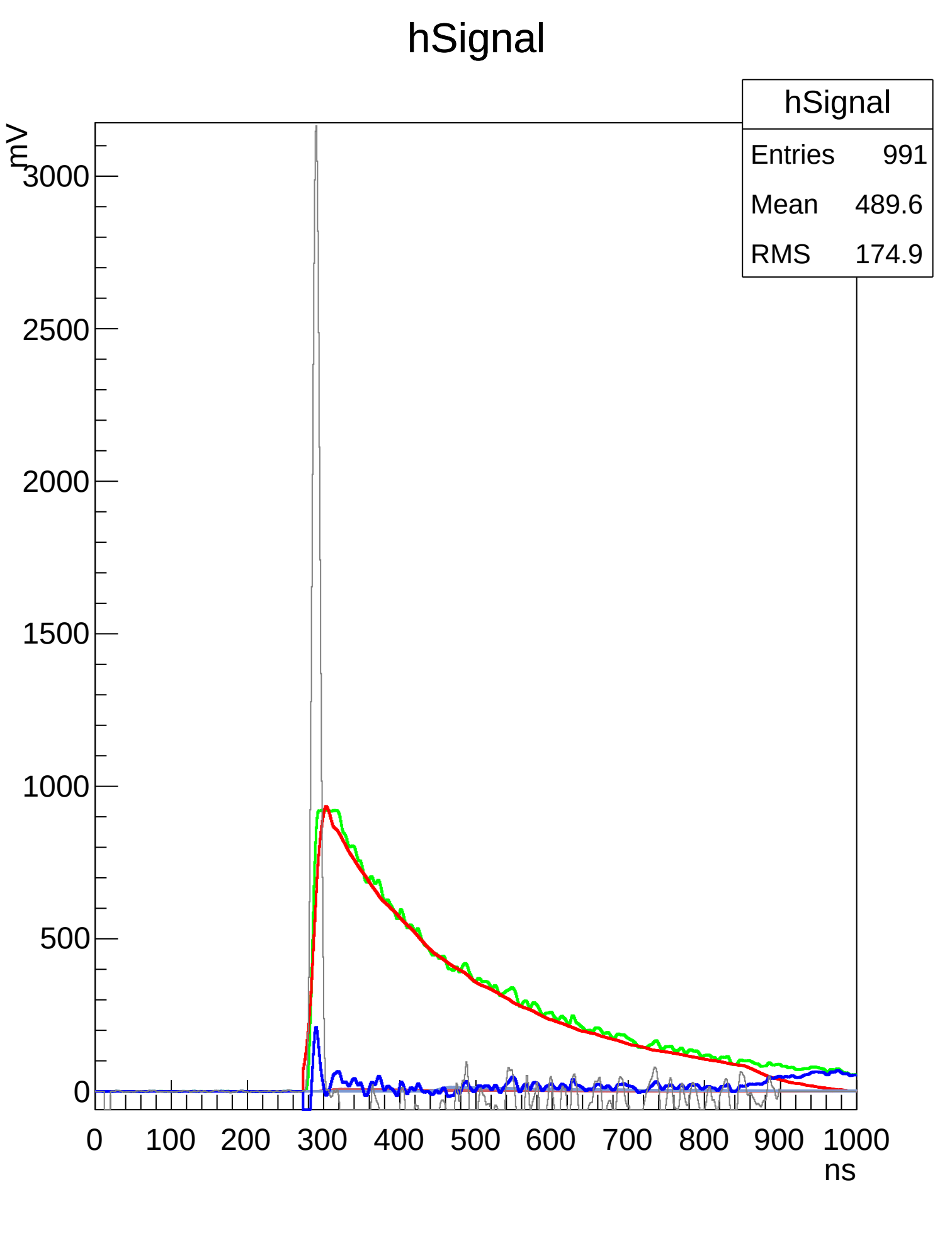

hSignal
hSignal
Entries 991
Mean 578.5
RMS 163.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

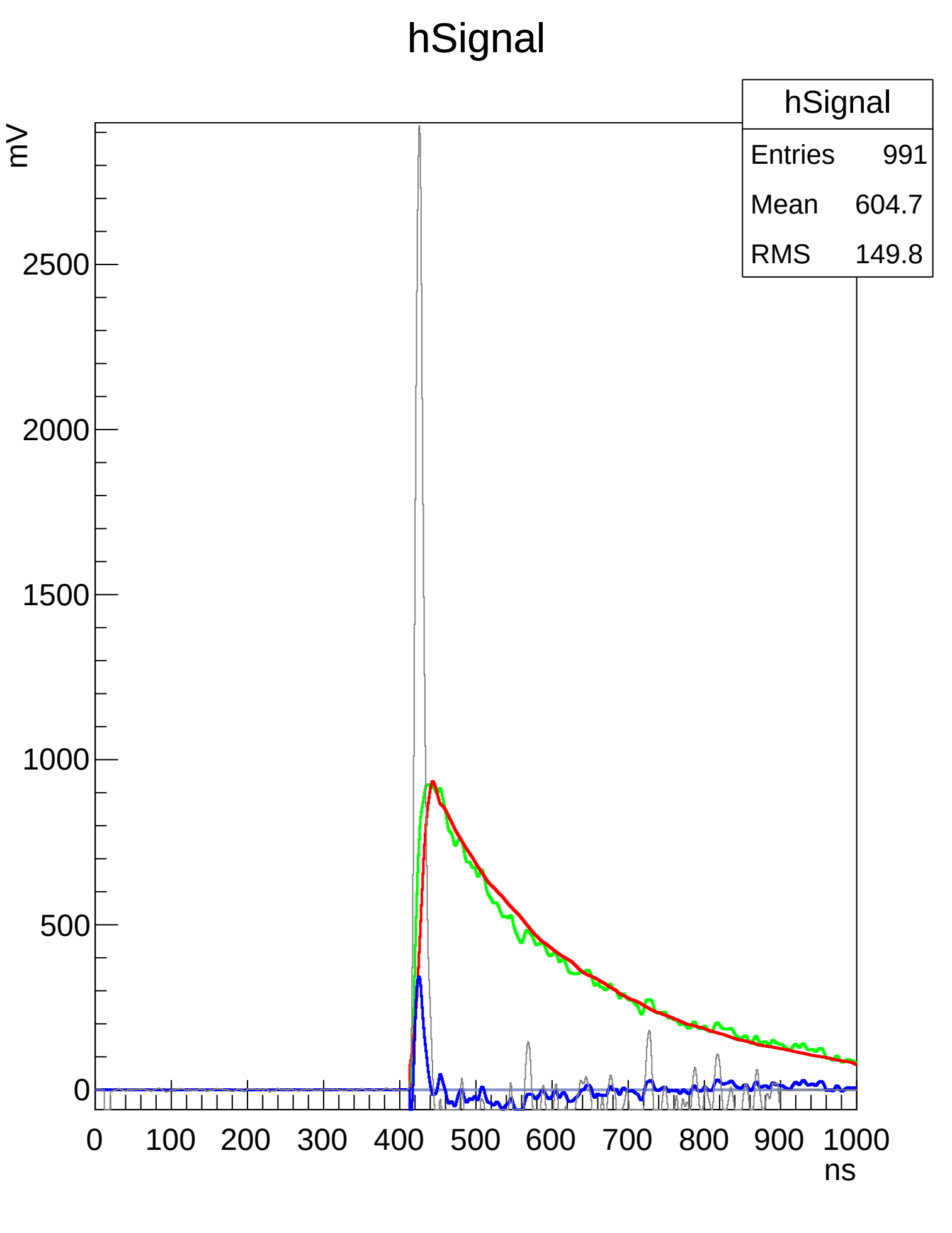

hSignal
hSignal
Entries 991
Mean 643.7
RMS 146
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

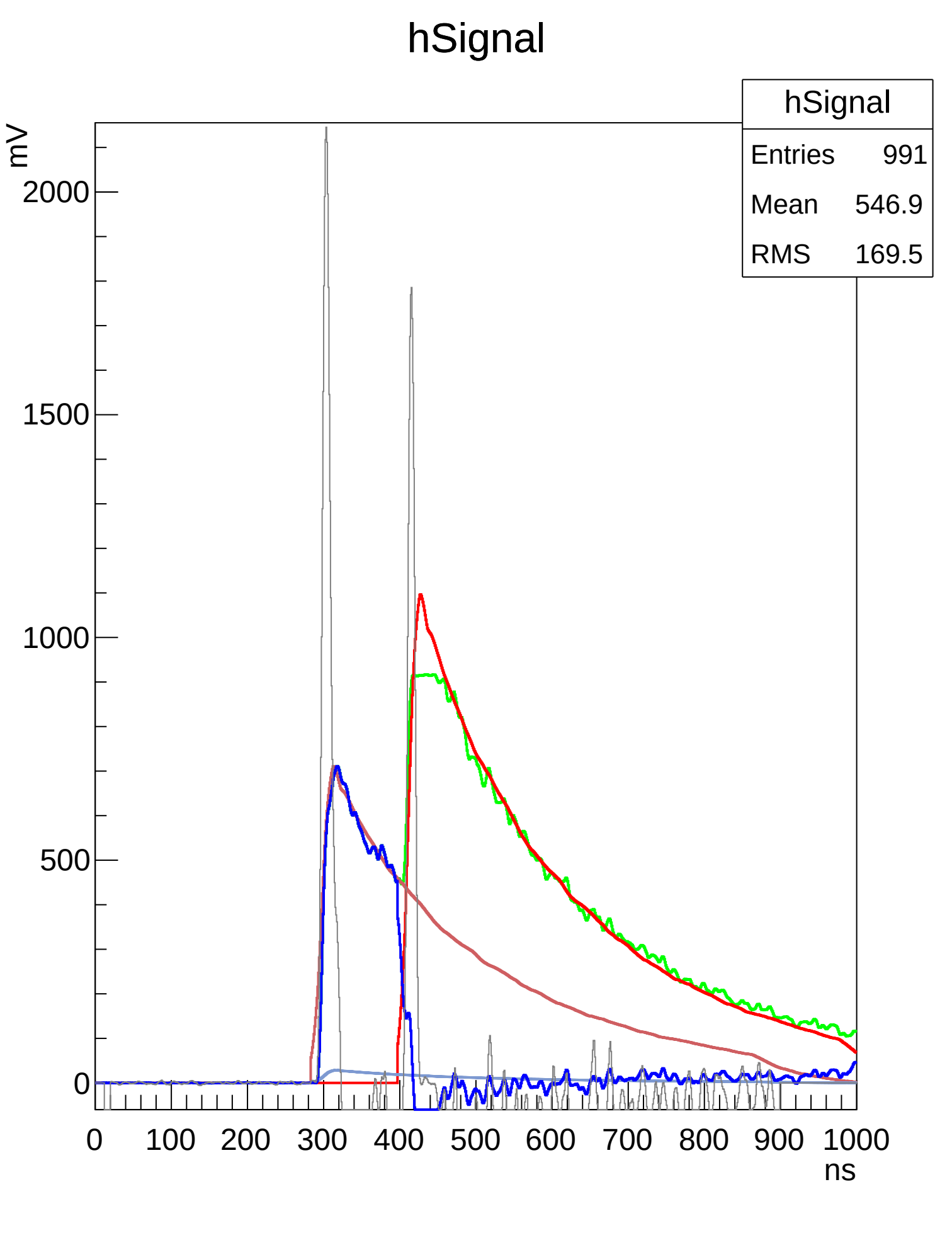

hSignal
hSignal
Entries 991
Mean 619.5
RMS 144.9
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

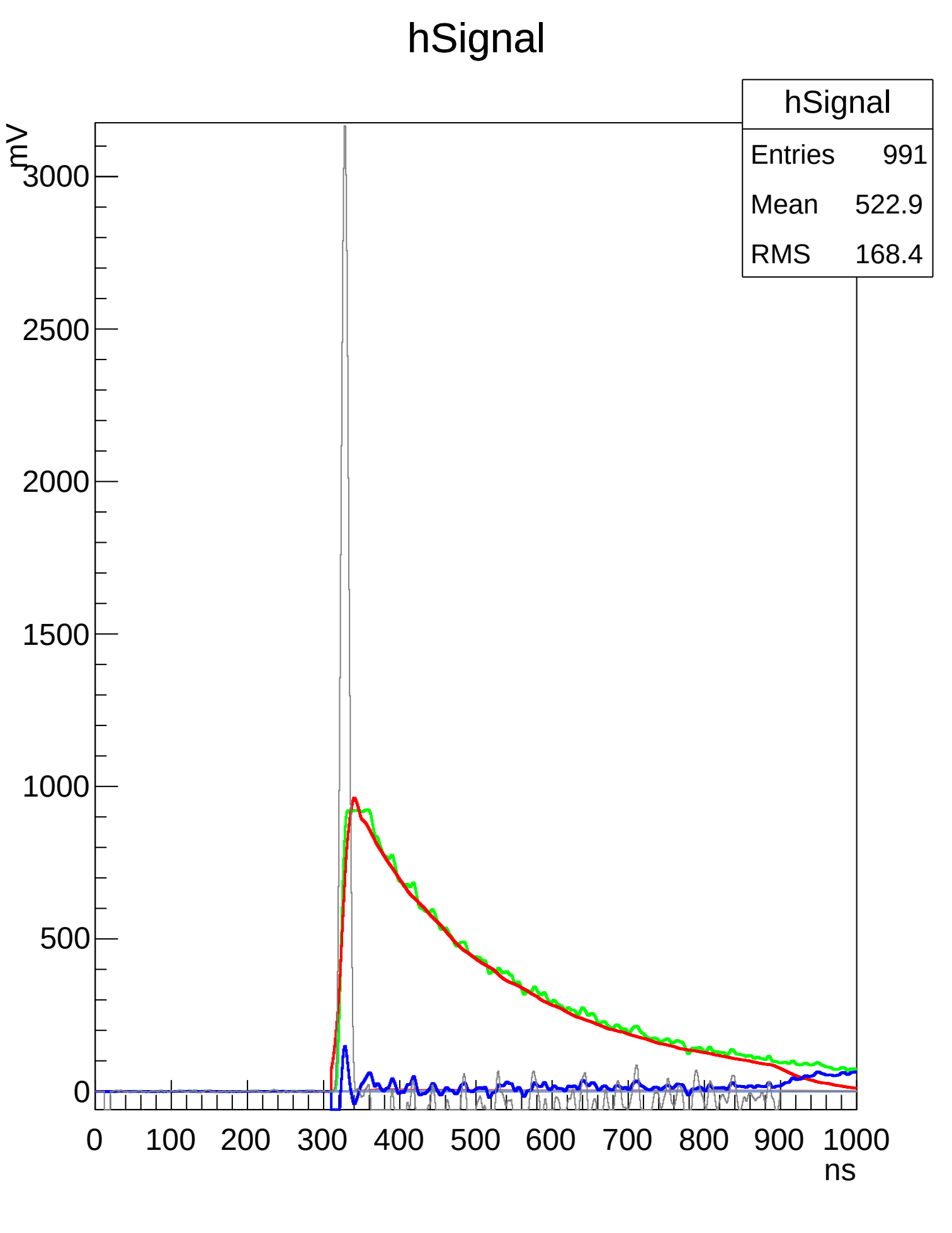

hSignal
hSignal
Entries 991
Mean 606.5
RMS 147.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

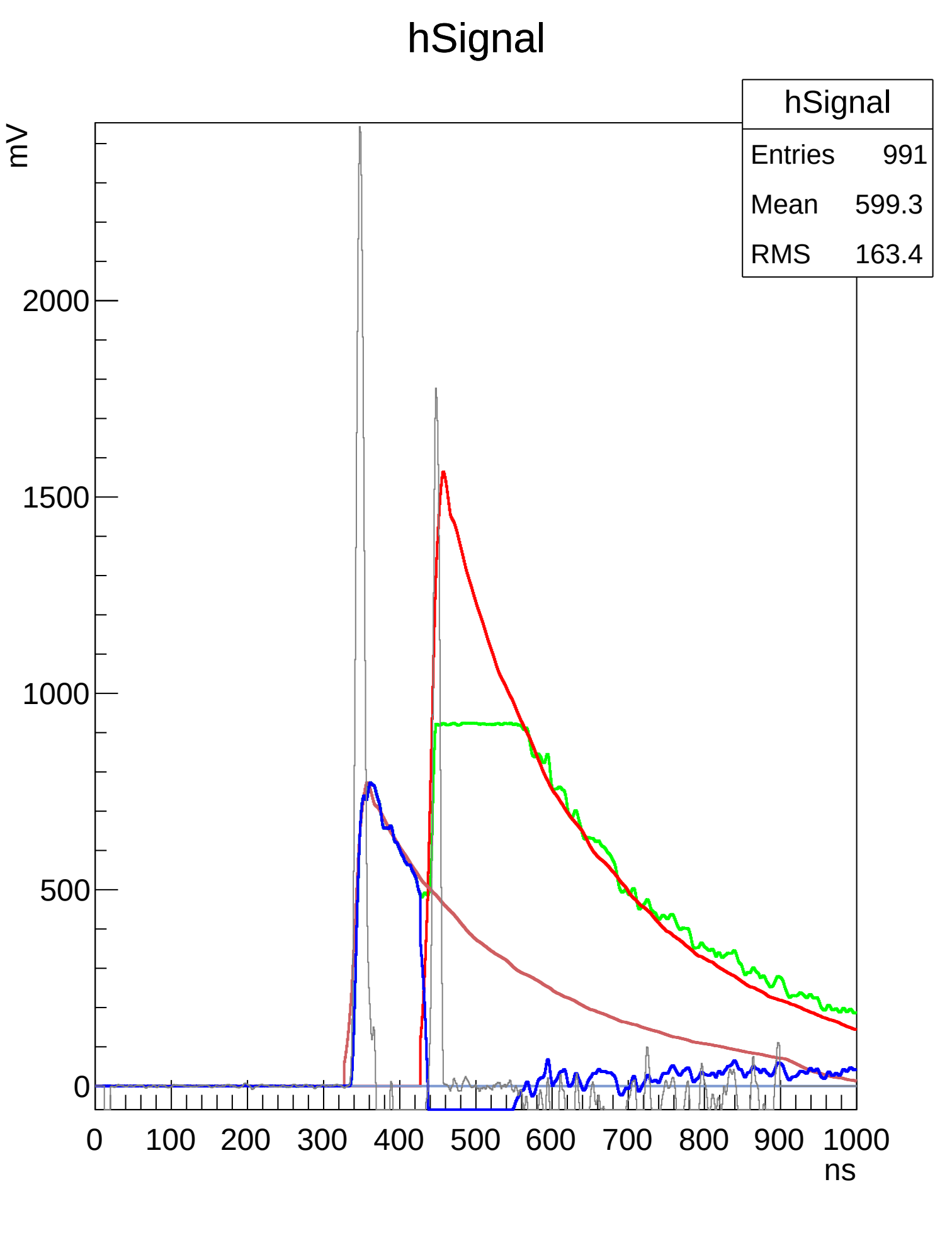

hSignal
hSignal
Entries 991
Mean 564.2
RMS 159.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

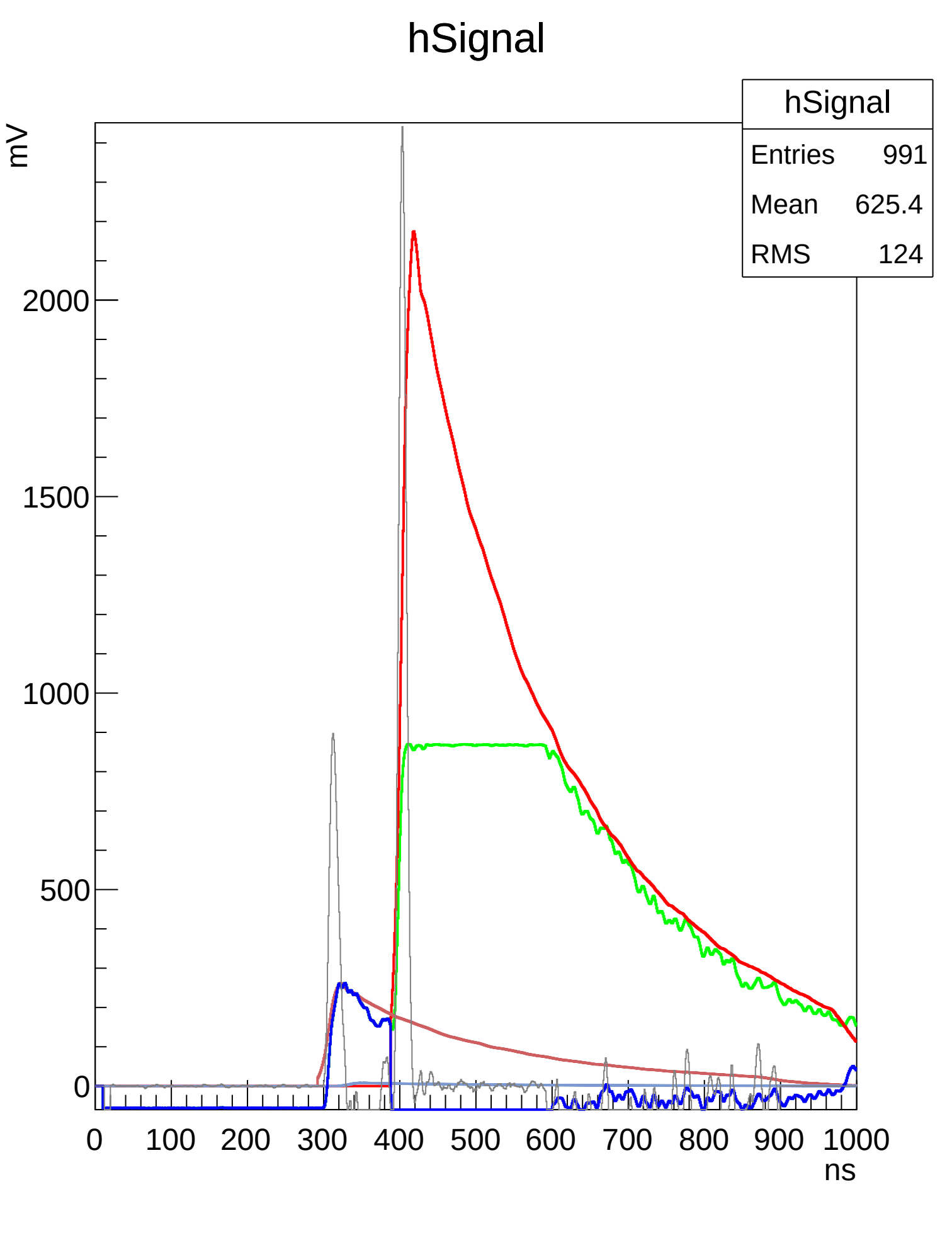

hSignal
hSignal
Entries 991
Mean 489.6
RMS 174.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

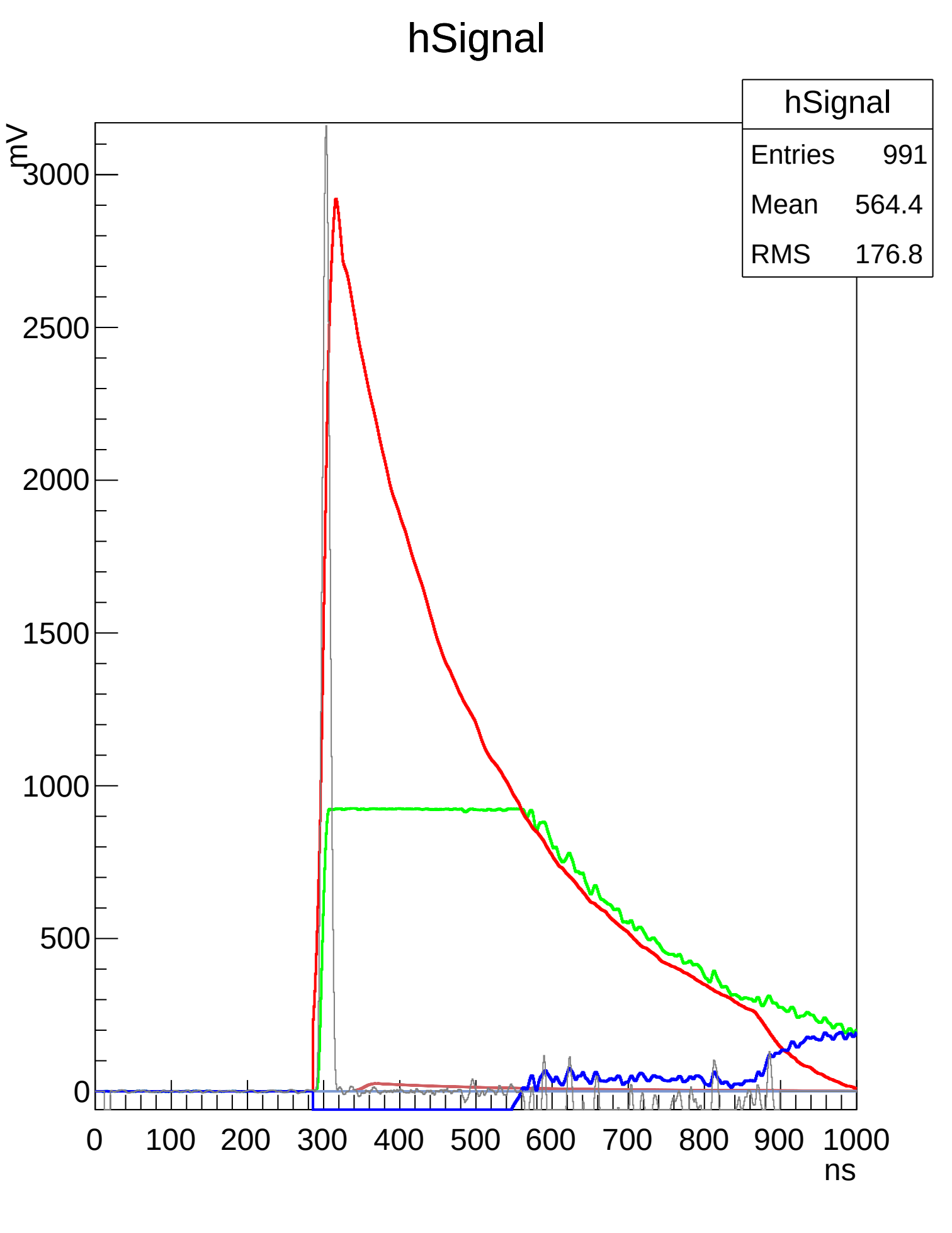

hSignal
hSignal
Entries 991
Mean 604.7
RMS 149.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

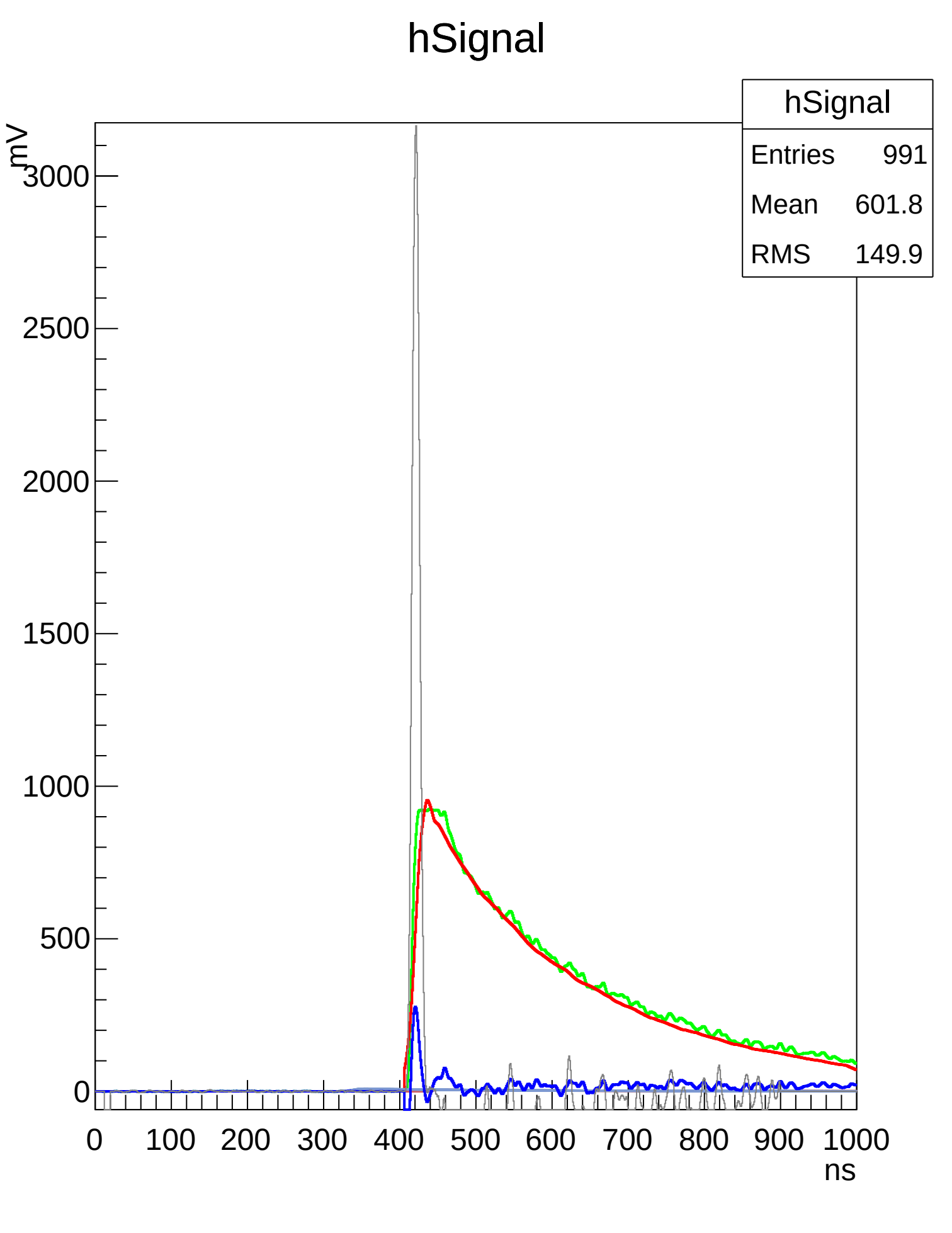

hSignal
hSignal
Entries 991
Mean 546.9
RMS 169.5
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

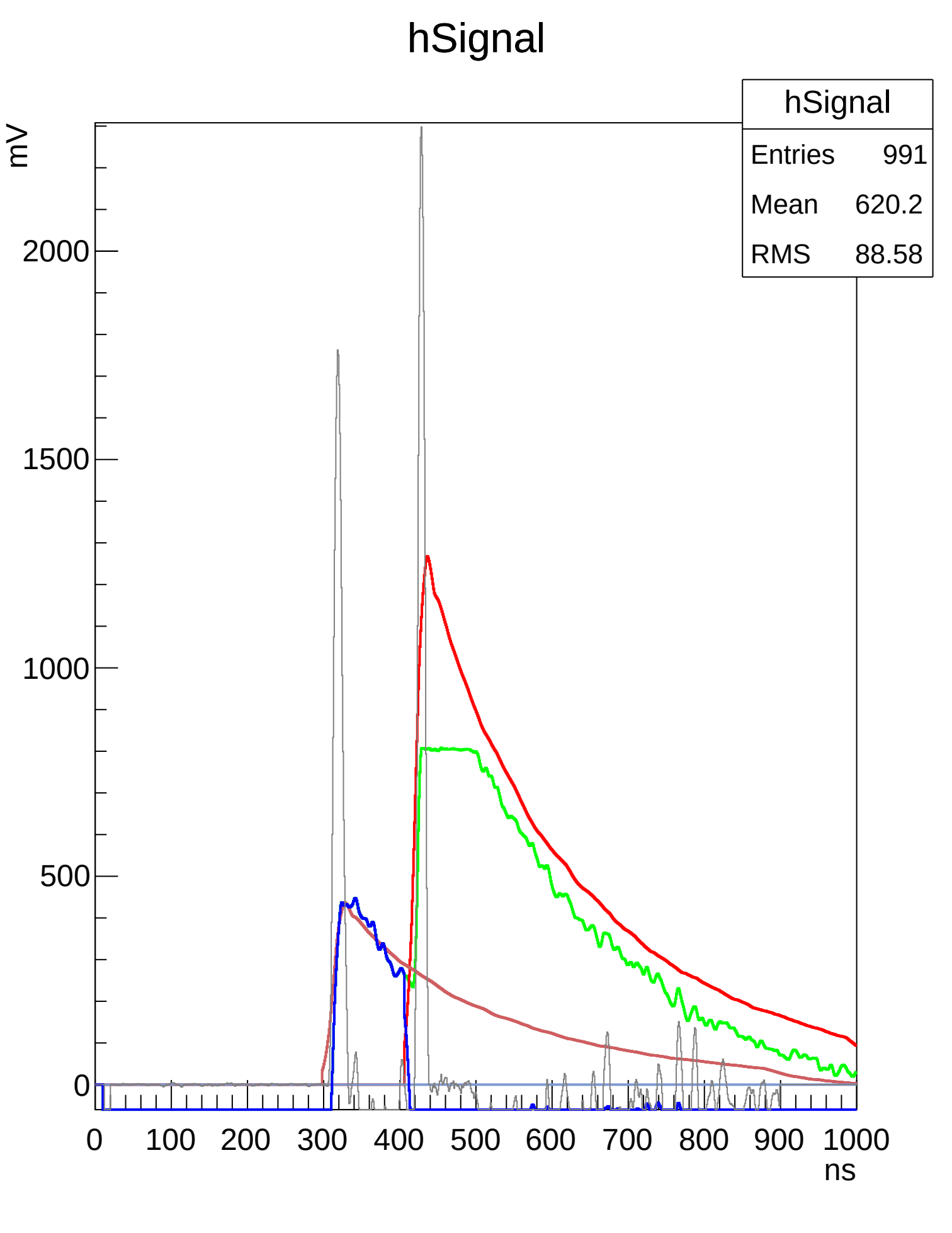

hSignal
hSignal
Entries 991
Mean 522.9
RMS 168.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

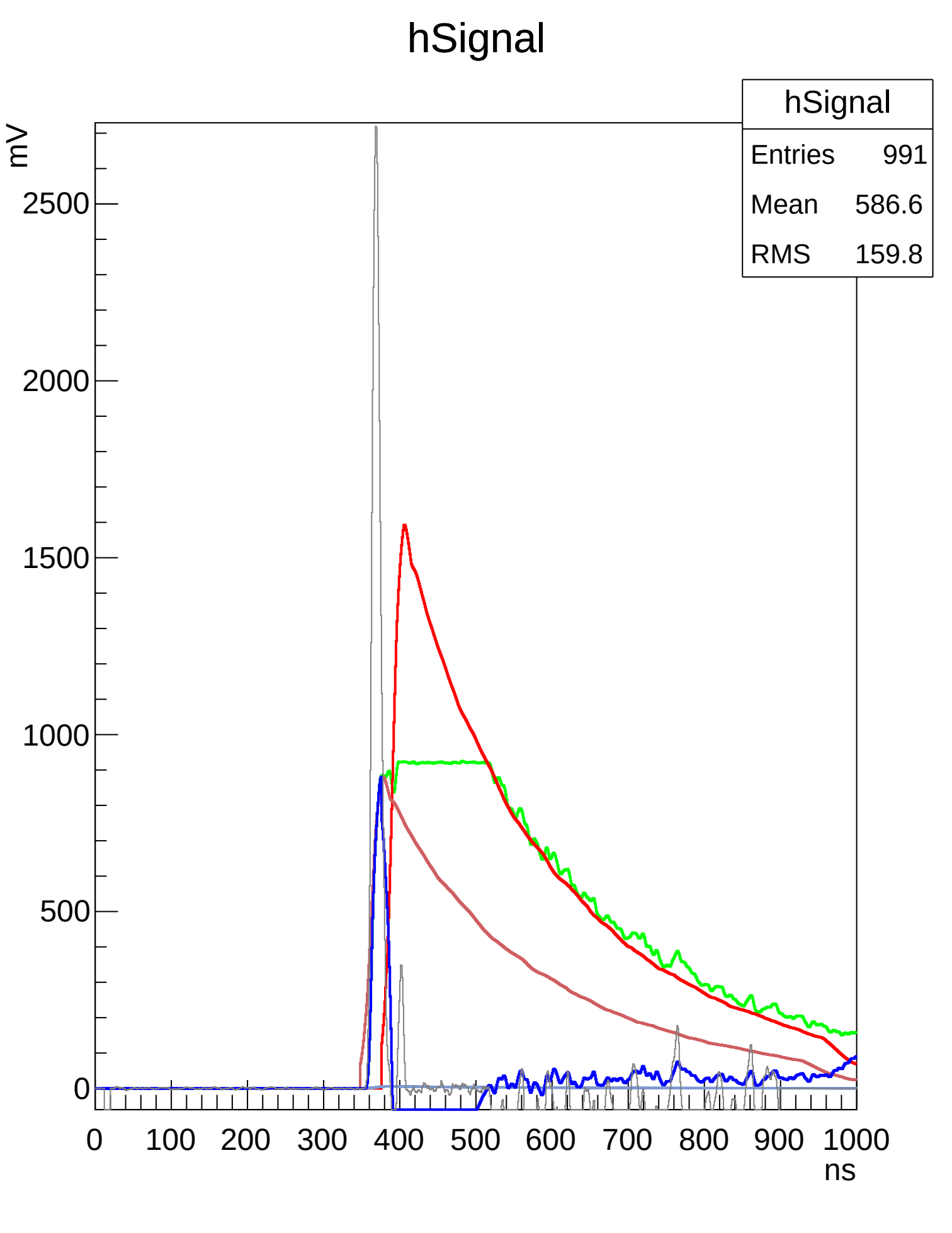

hSignal
hSignal
Entries 991
Mean 599.3
RMS 163.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

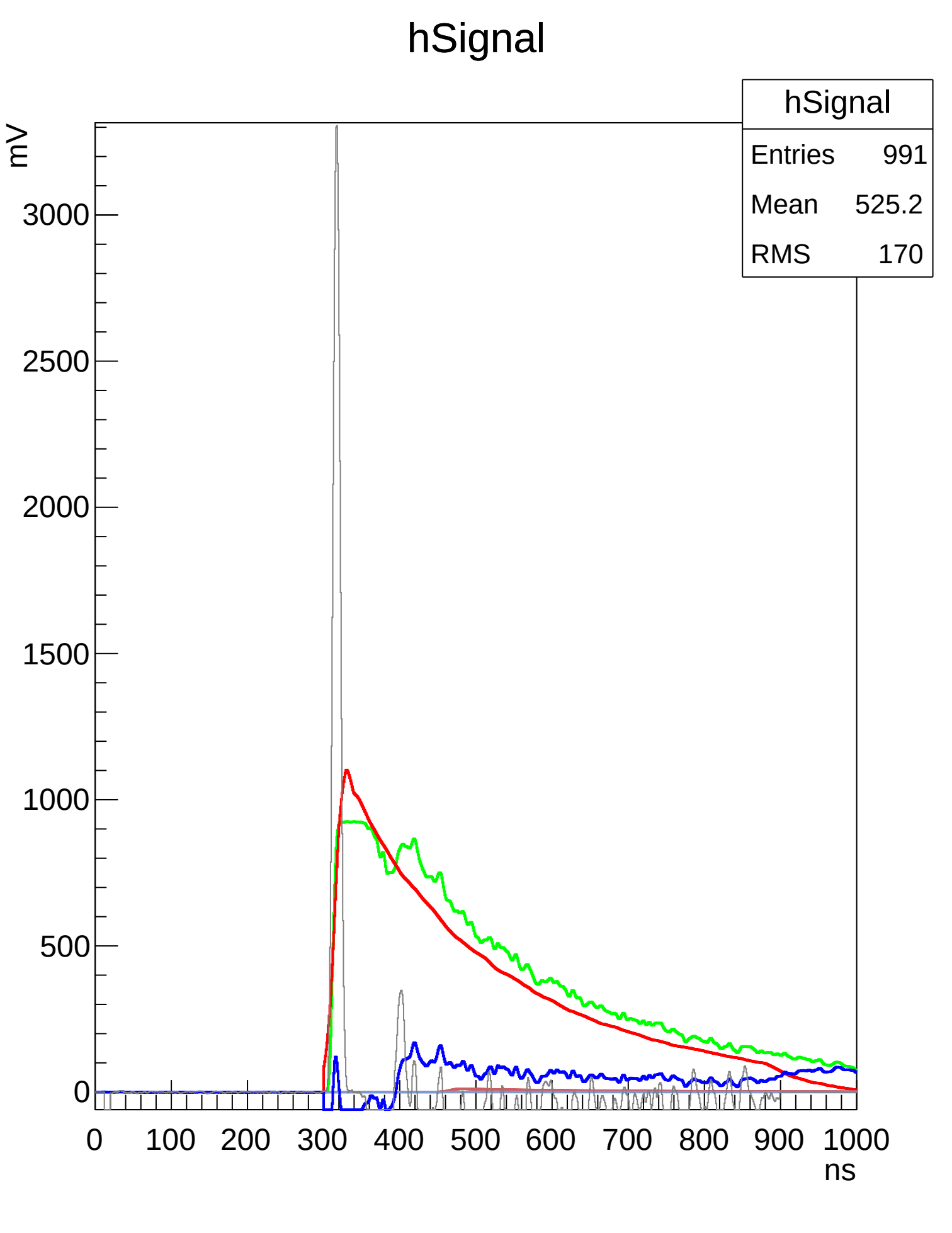

hSignal
hSignal
Entries 991
Mean 625.4
RMS 124
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

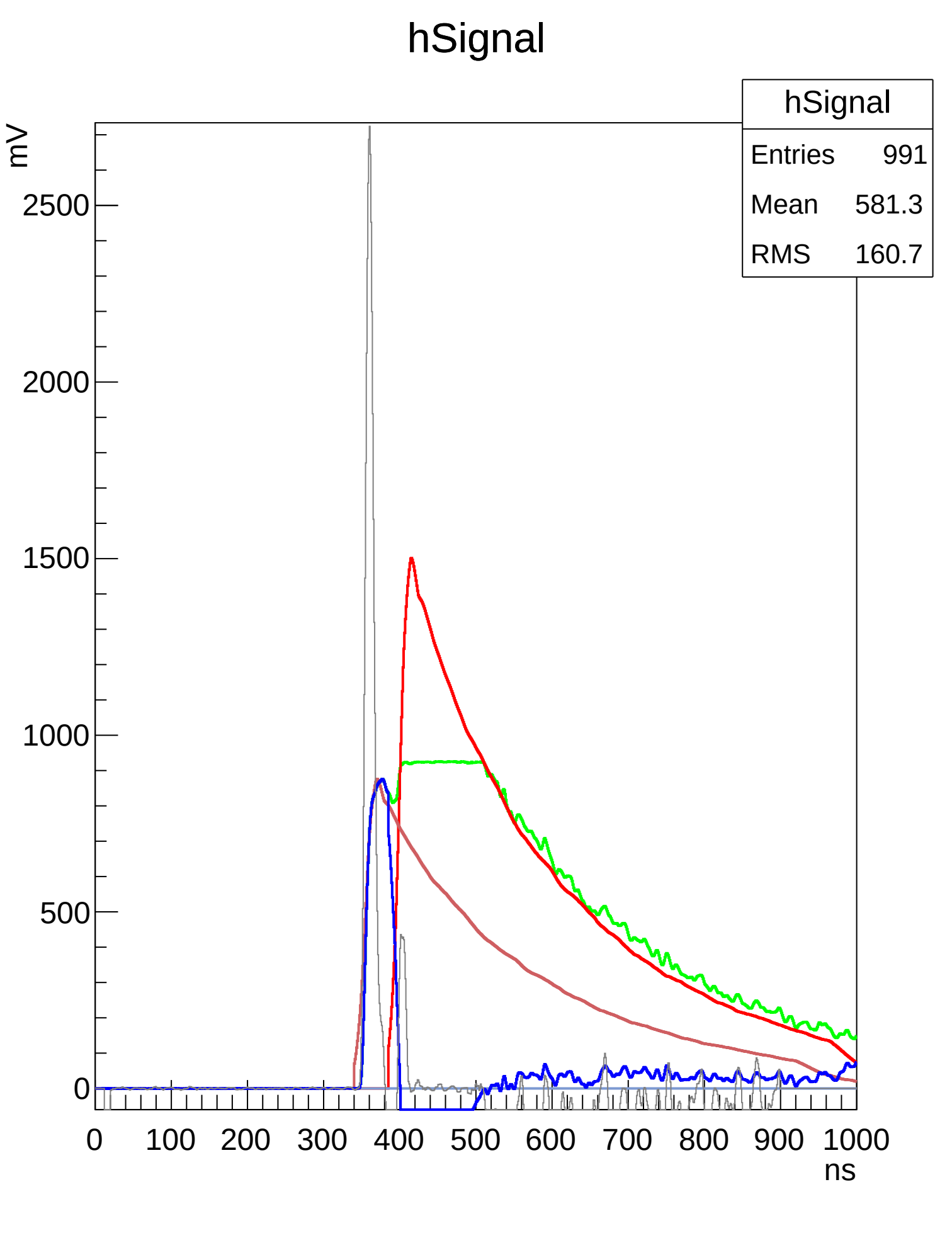

hSignal
hSignal
Entries 991
Mean 564.4
RMS 176.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

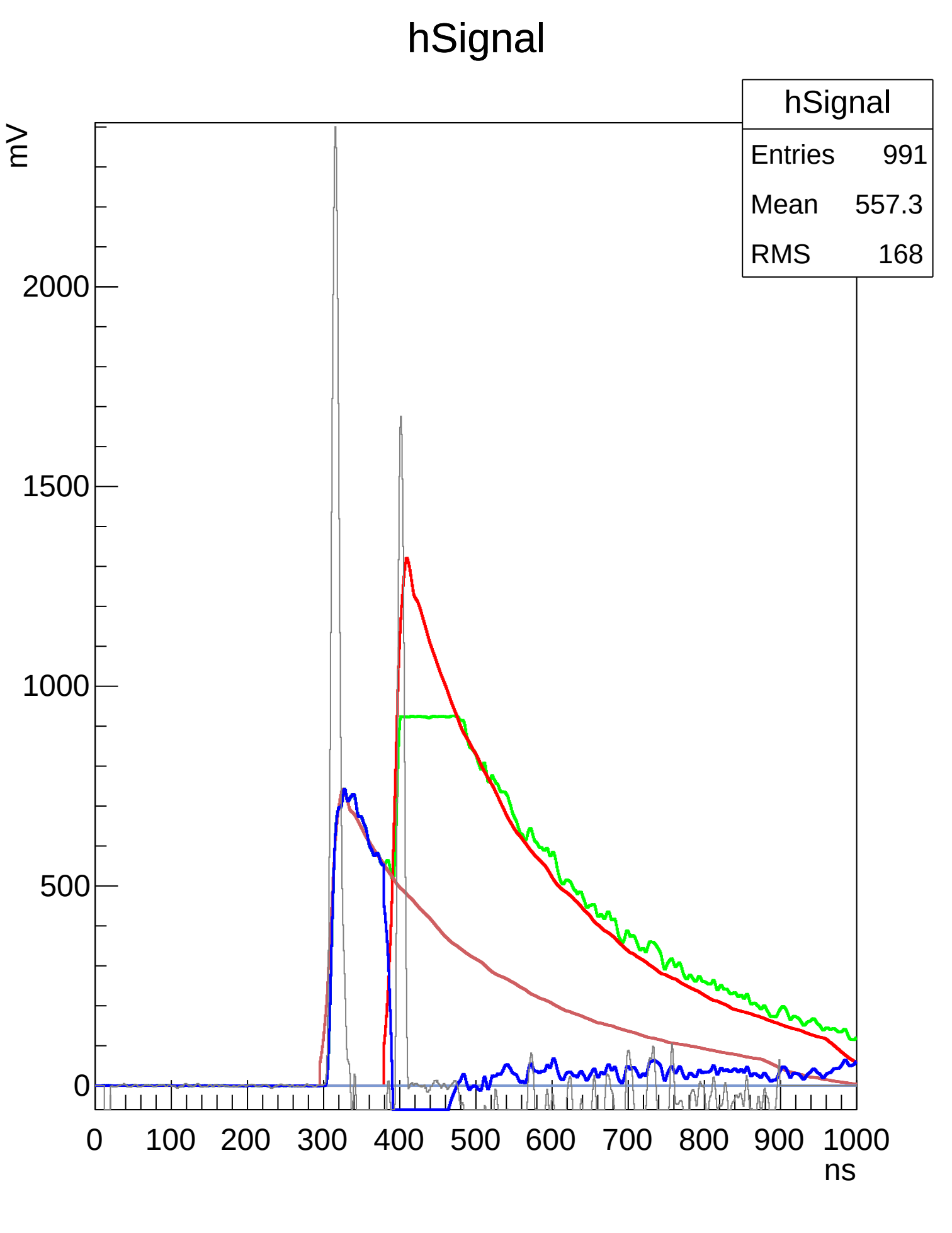

hSignal
hSignal
Entries 991
Mean 601.8
RMS 149.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

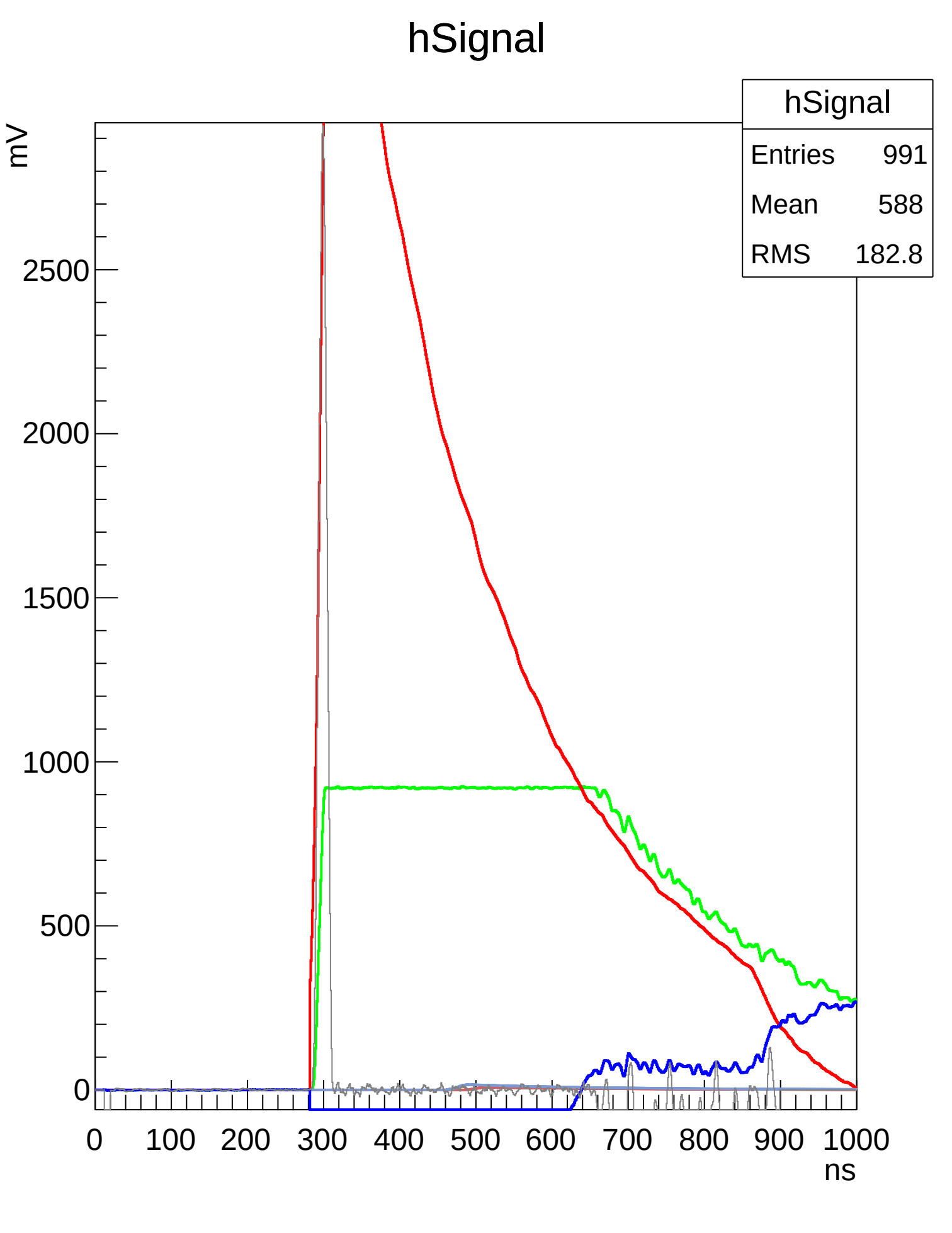

hSignal
hSignal
Entries 991
Mean 620.2
RMS 88.58
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

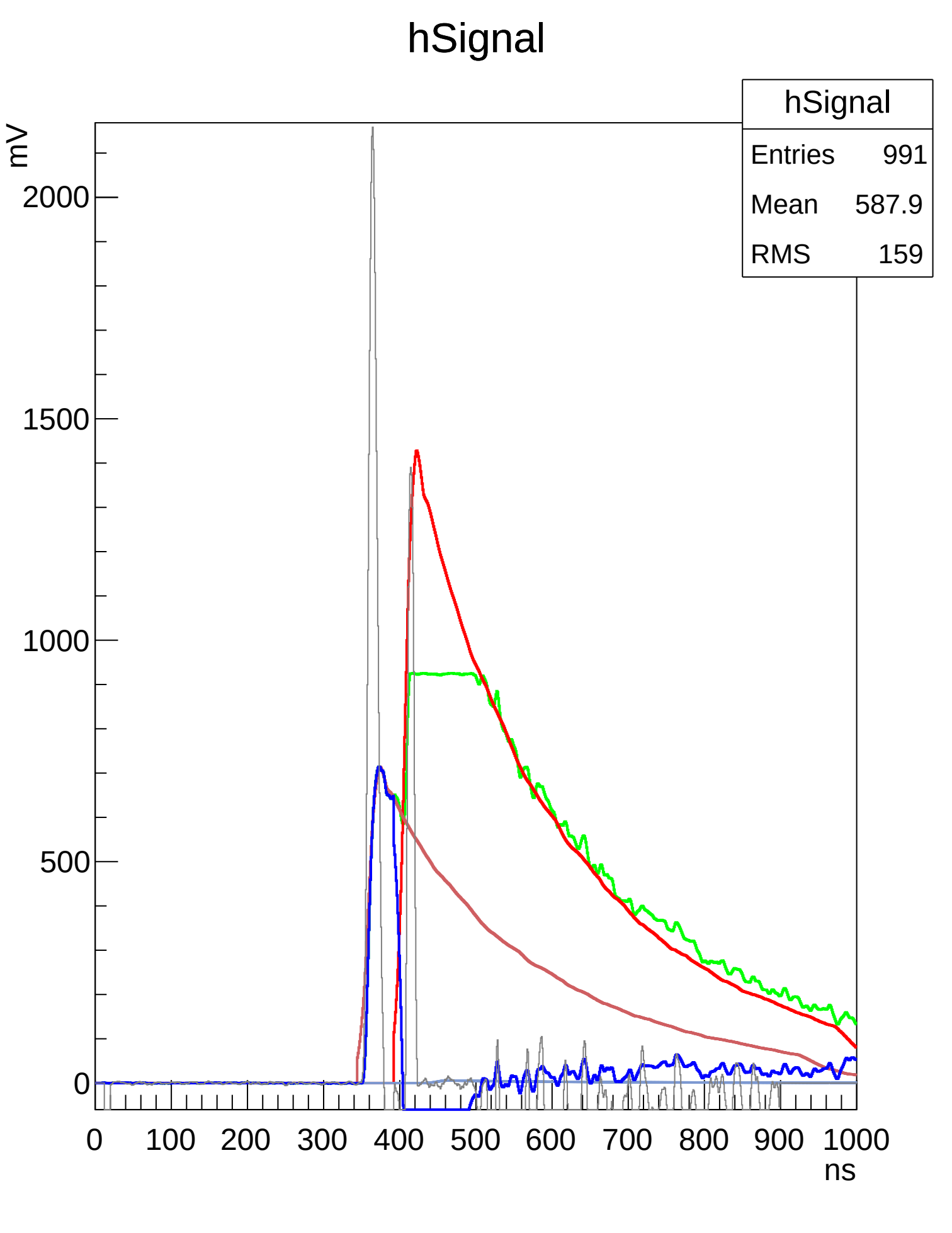

hSignal
hSignal
Entries 991
Mean 586.6
RMS 159.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

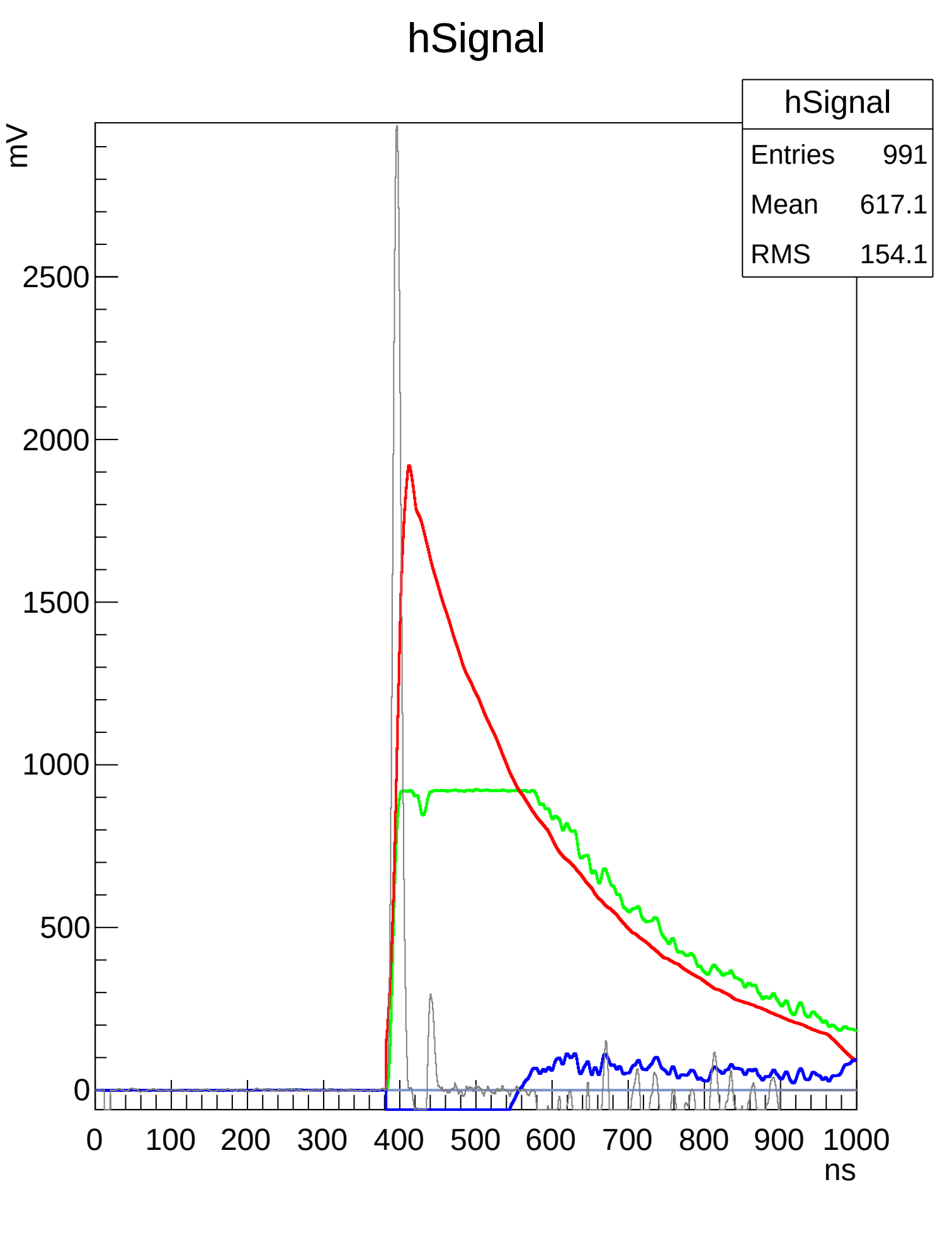

hSignal
hSignal
Entries 991
Mean 525.2
RMS 170
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

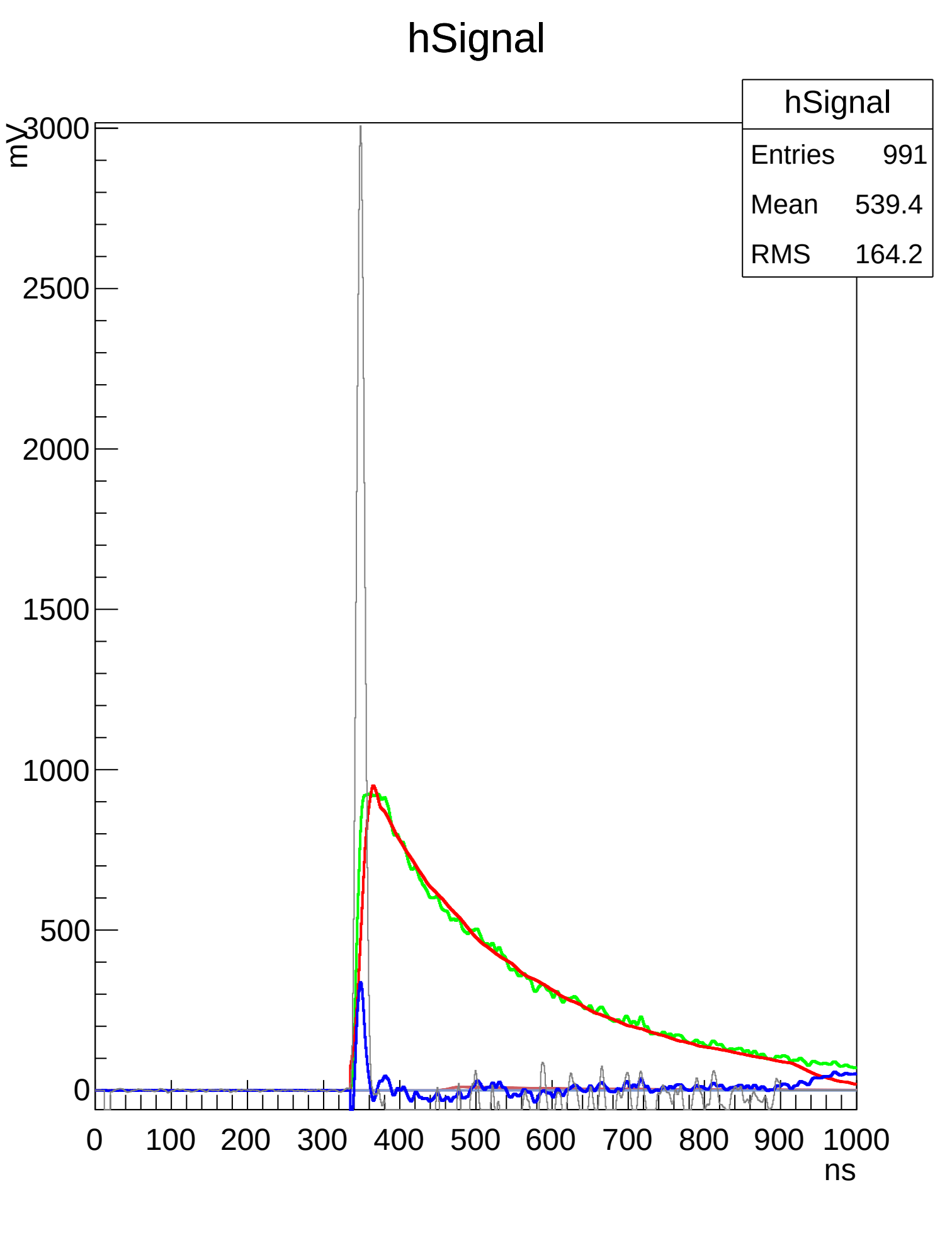

hSignal
hSignal
Entries 991
Mean 581.3
RMS 160.7
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

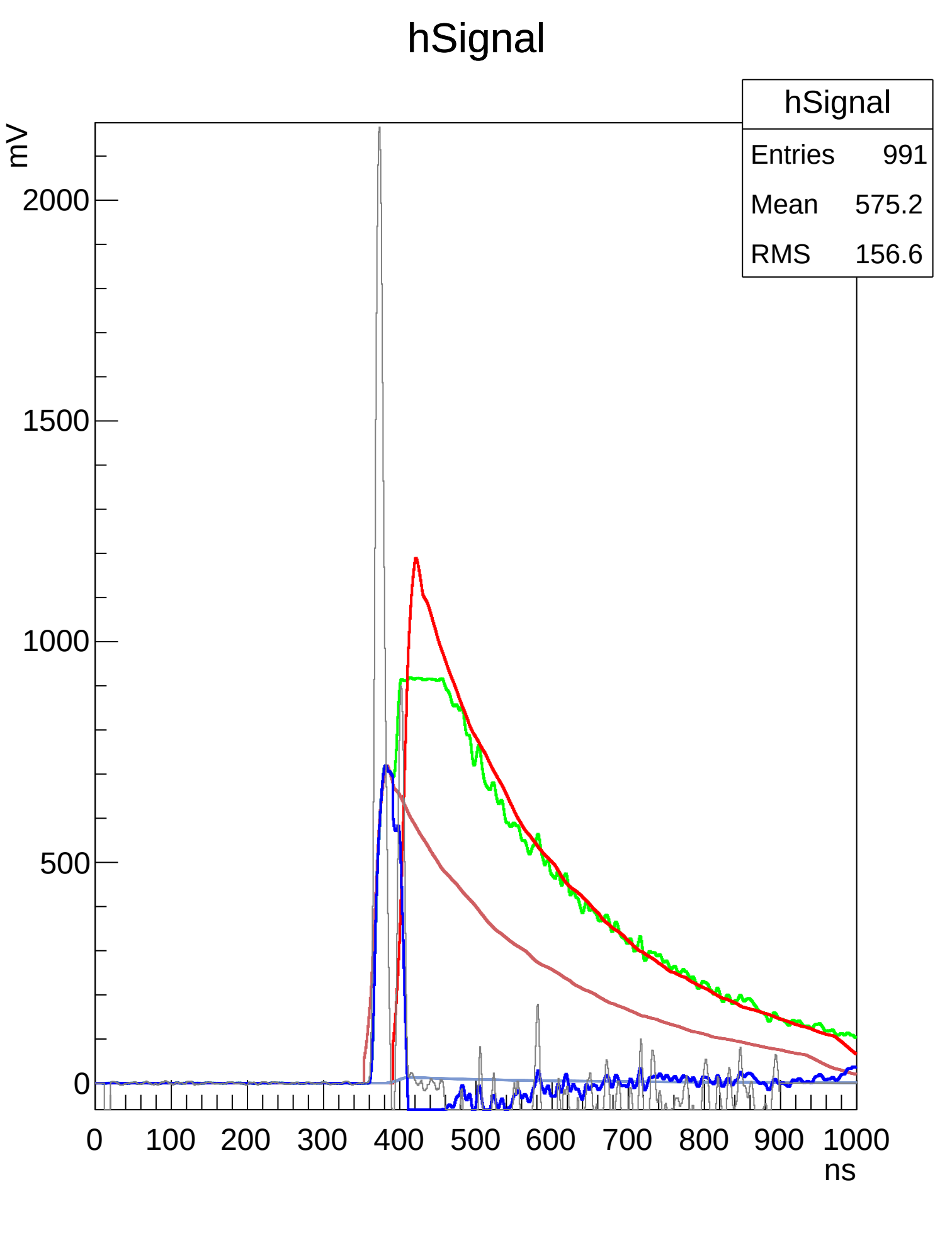

hSignal
hSignal
Entries 991
Mean 557.3
RMS 168
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

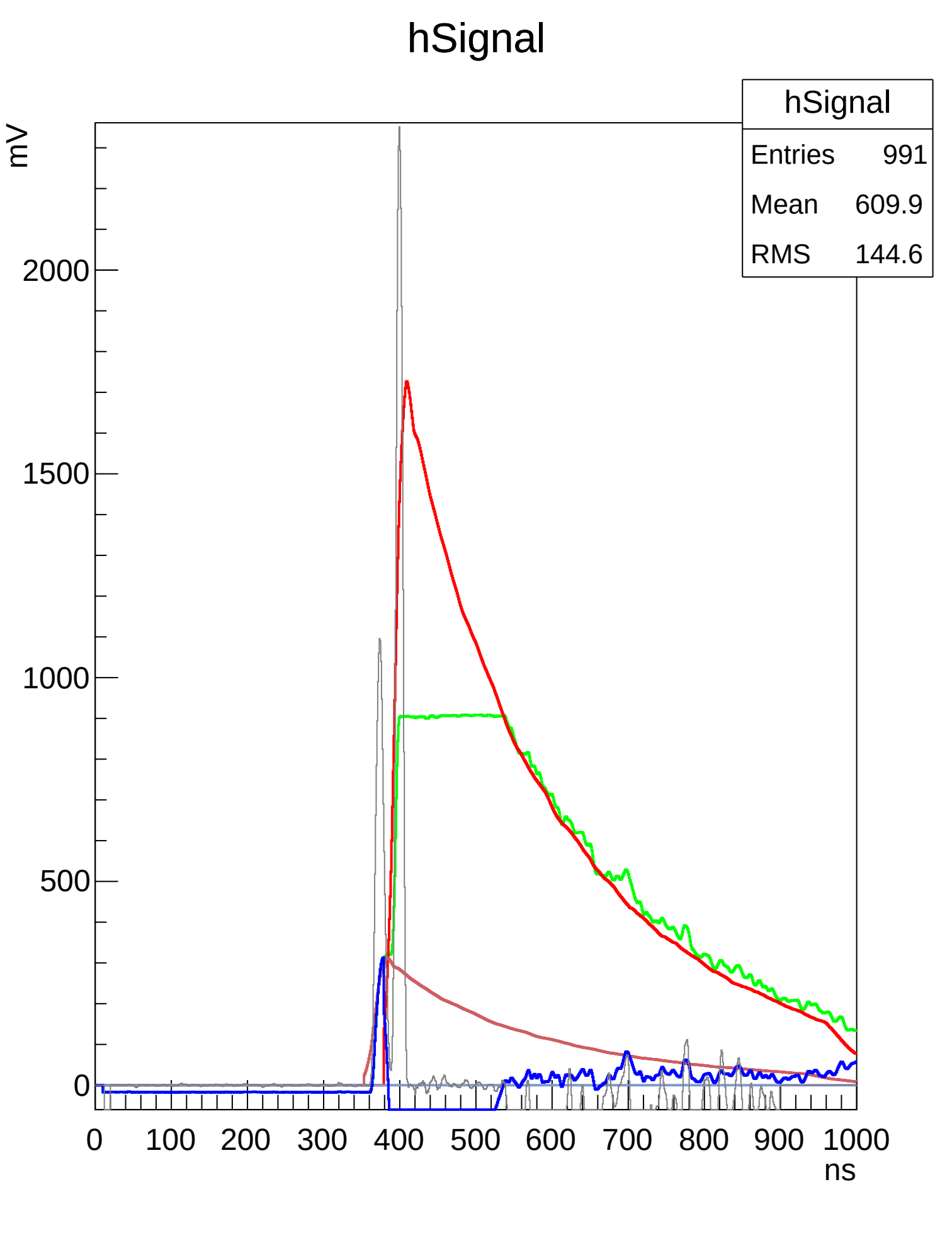

hSignal
hSignal
Entries 991
Mean 588
RMS 182.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

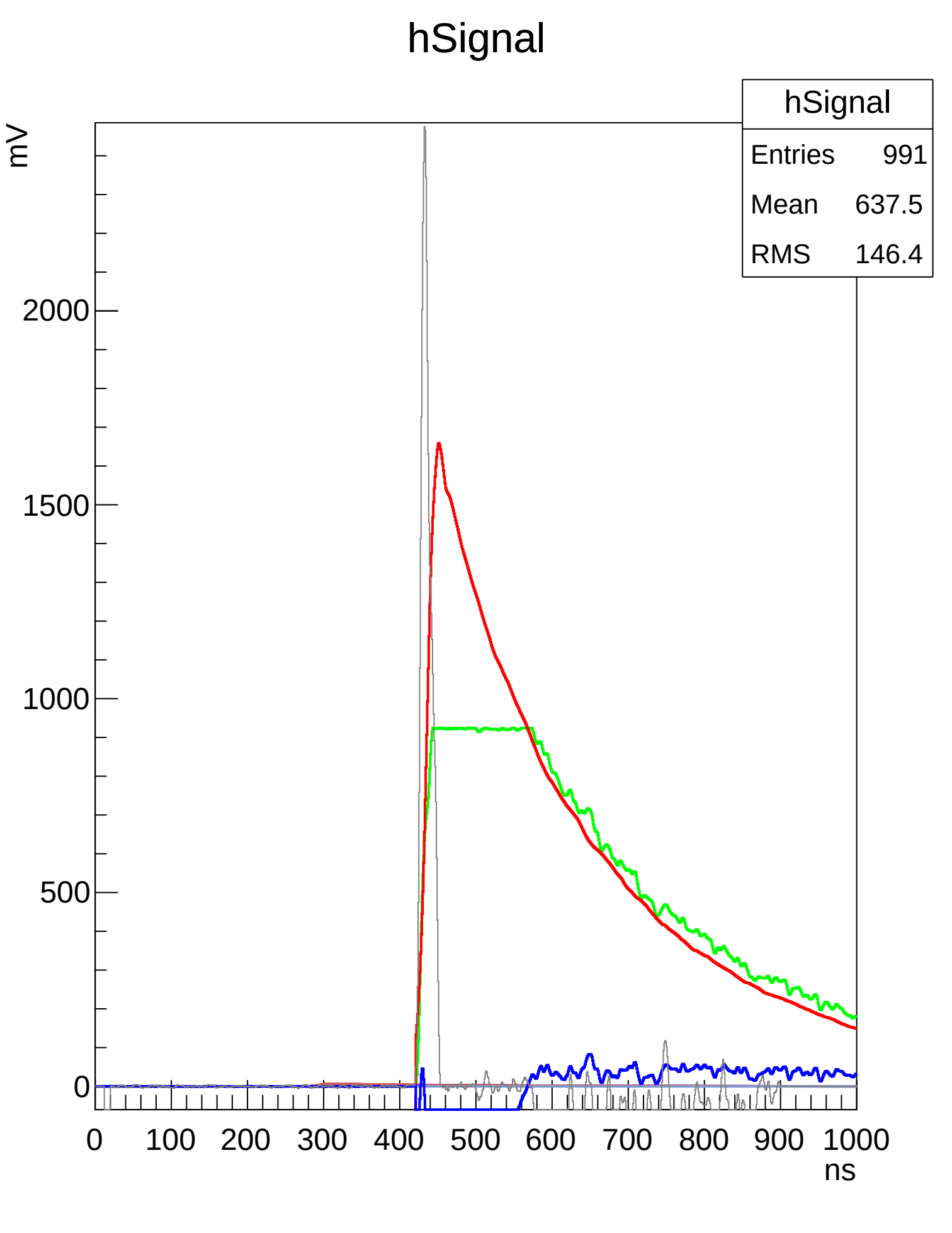

hSignal
hSignal
Entries 991
Mean 587.9
RMS 159
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

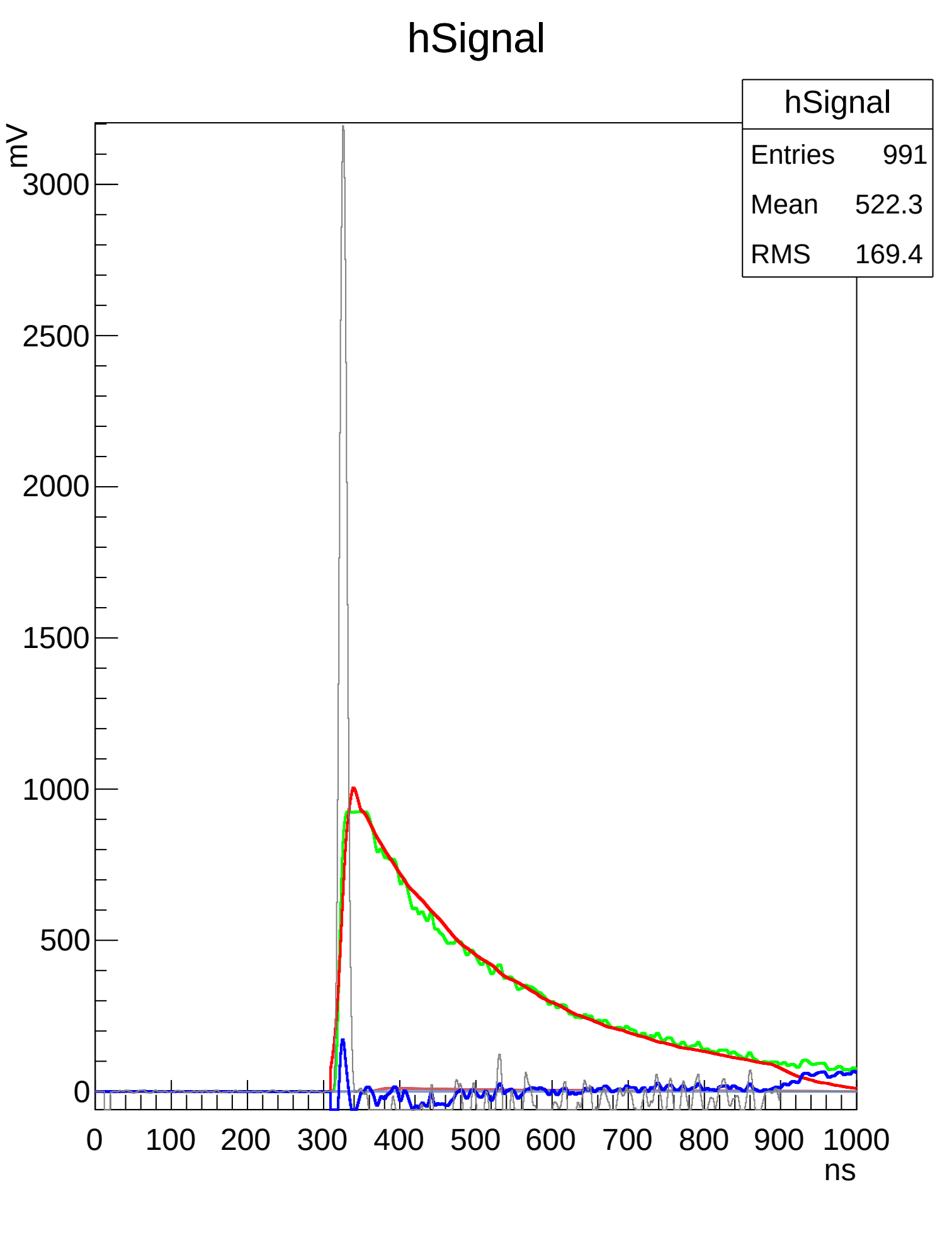

hSignal
hSignal
Entries 991
Mean 617.1
RMS 154.1
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

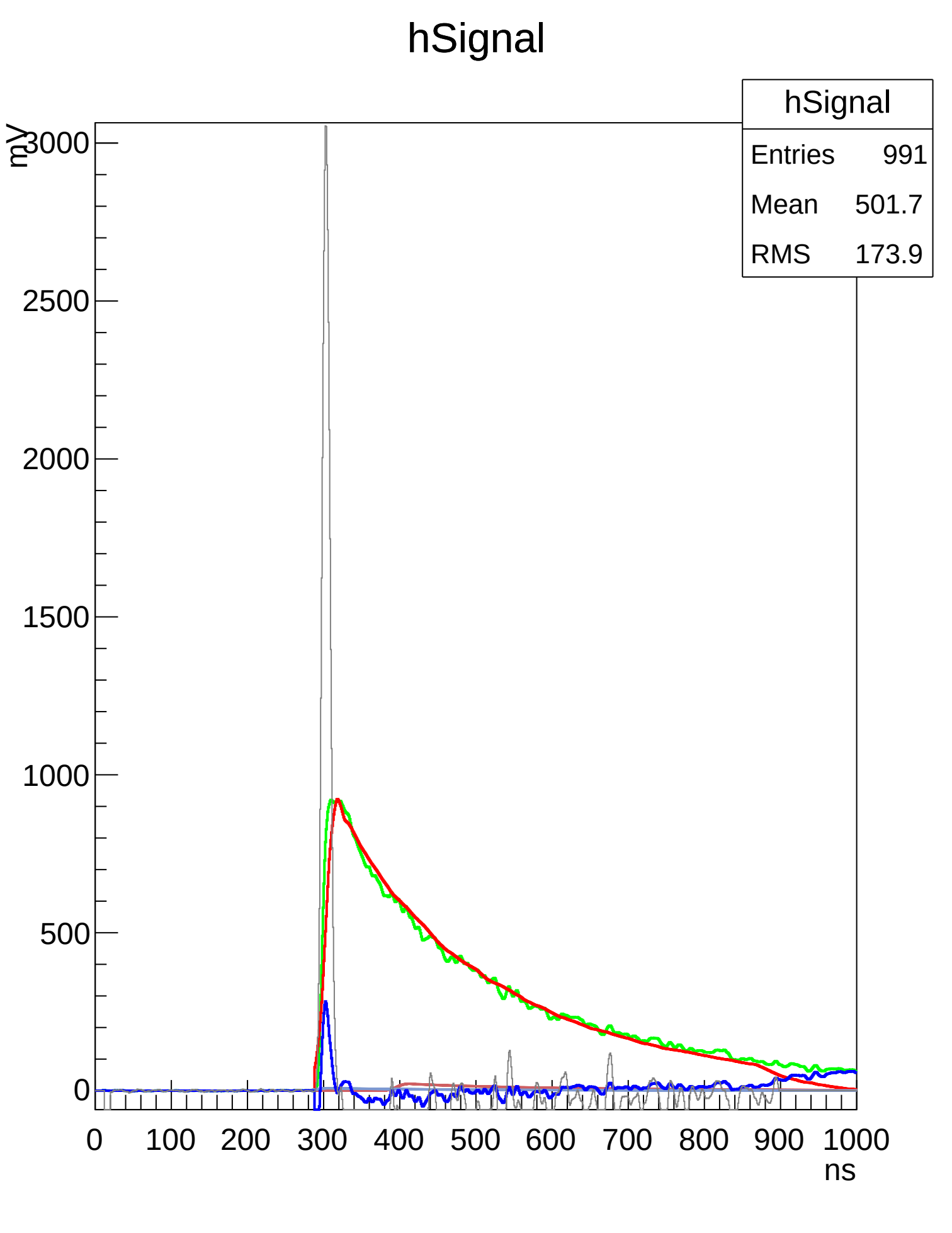

hSignal
hSignal
Entries 991
Mean 539.4
RMS 164.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

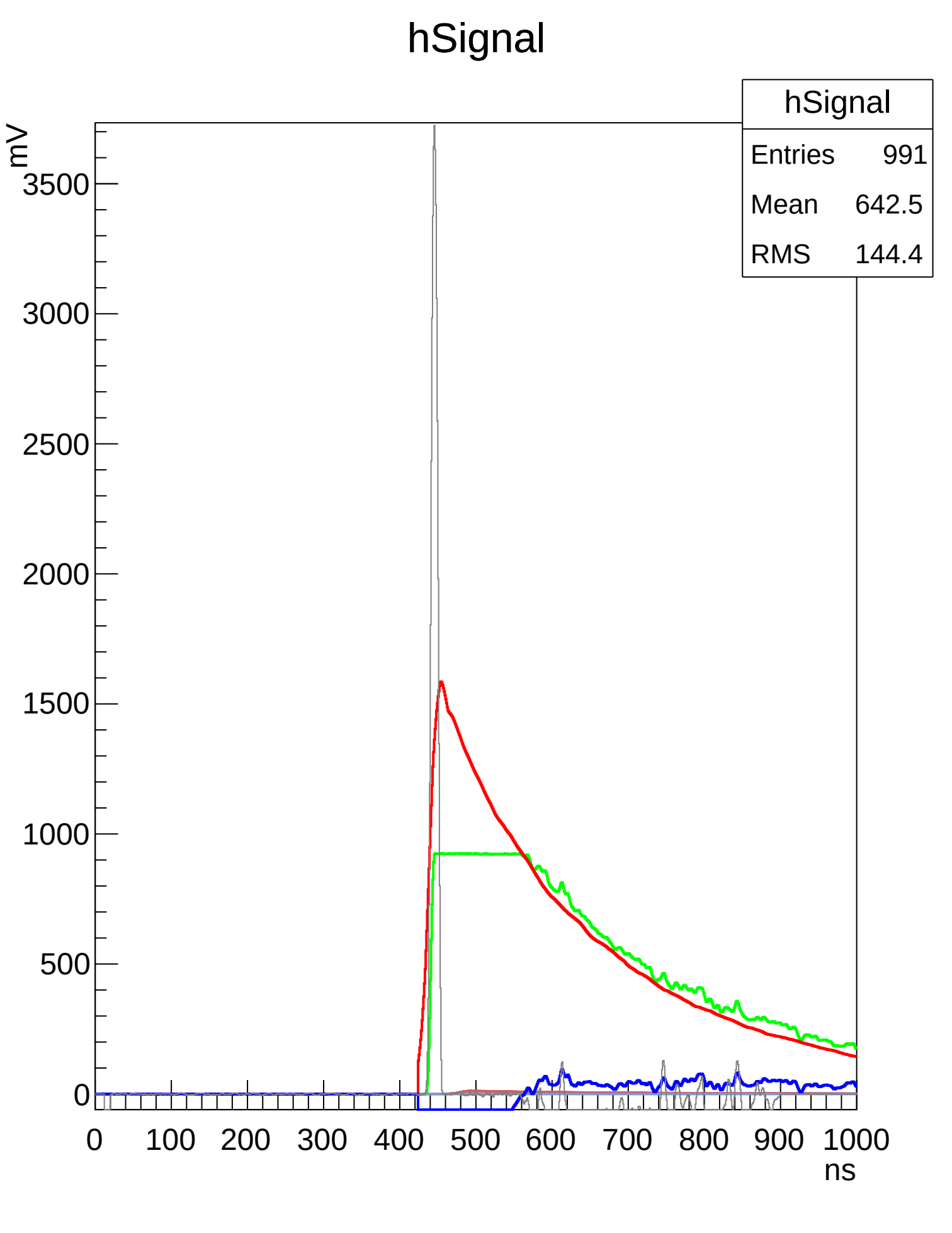

hSignal
hSignal
Entries 991
Mean 575.2
RMS 156.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

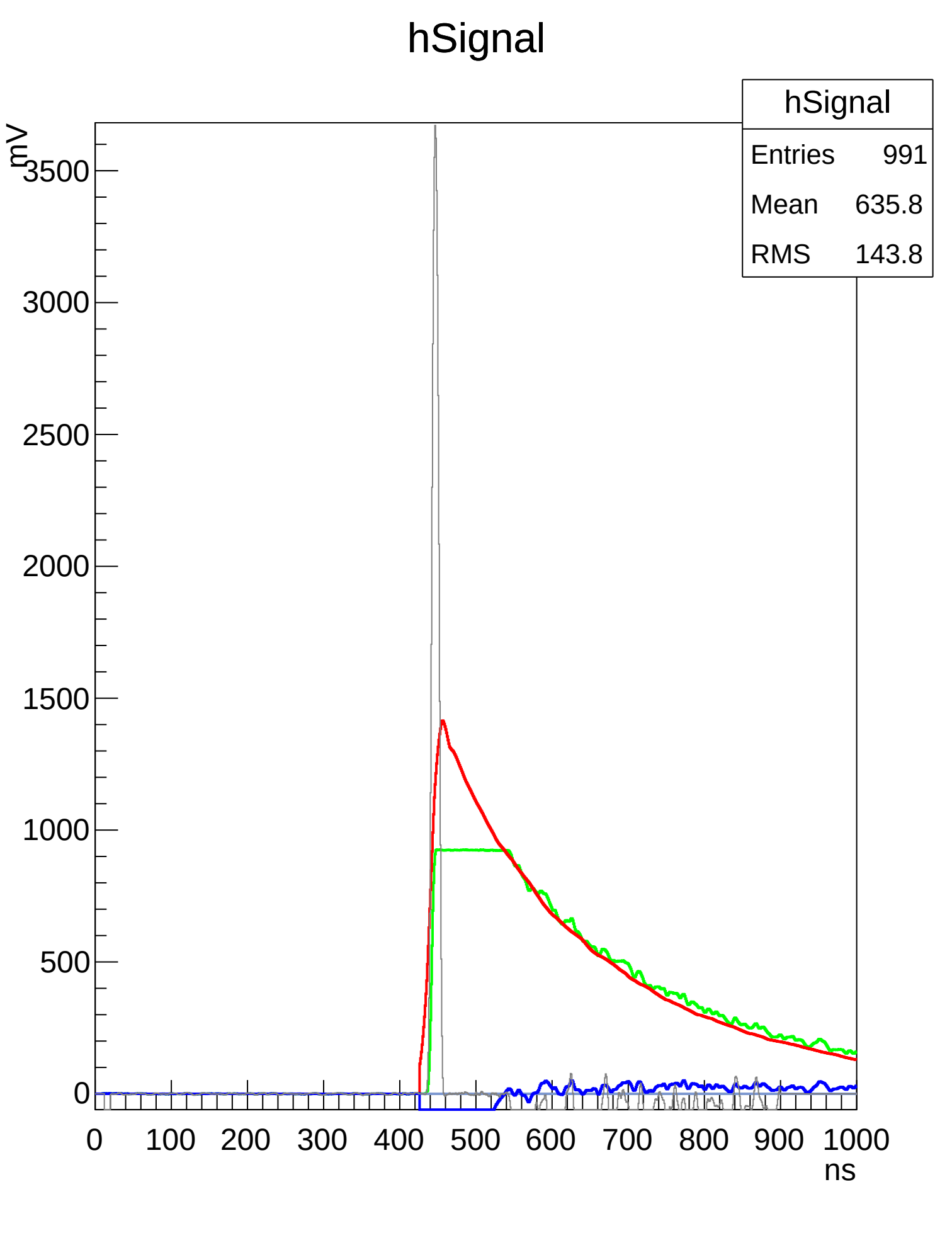

hSignal
hSignal
Entries 991
Mean 609.9
RMS 144.6
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

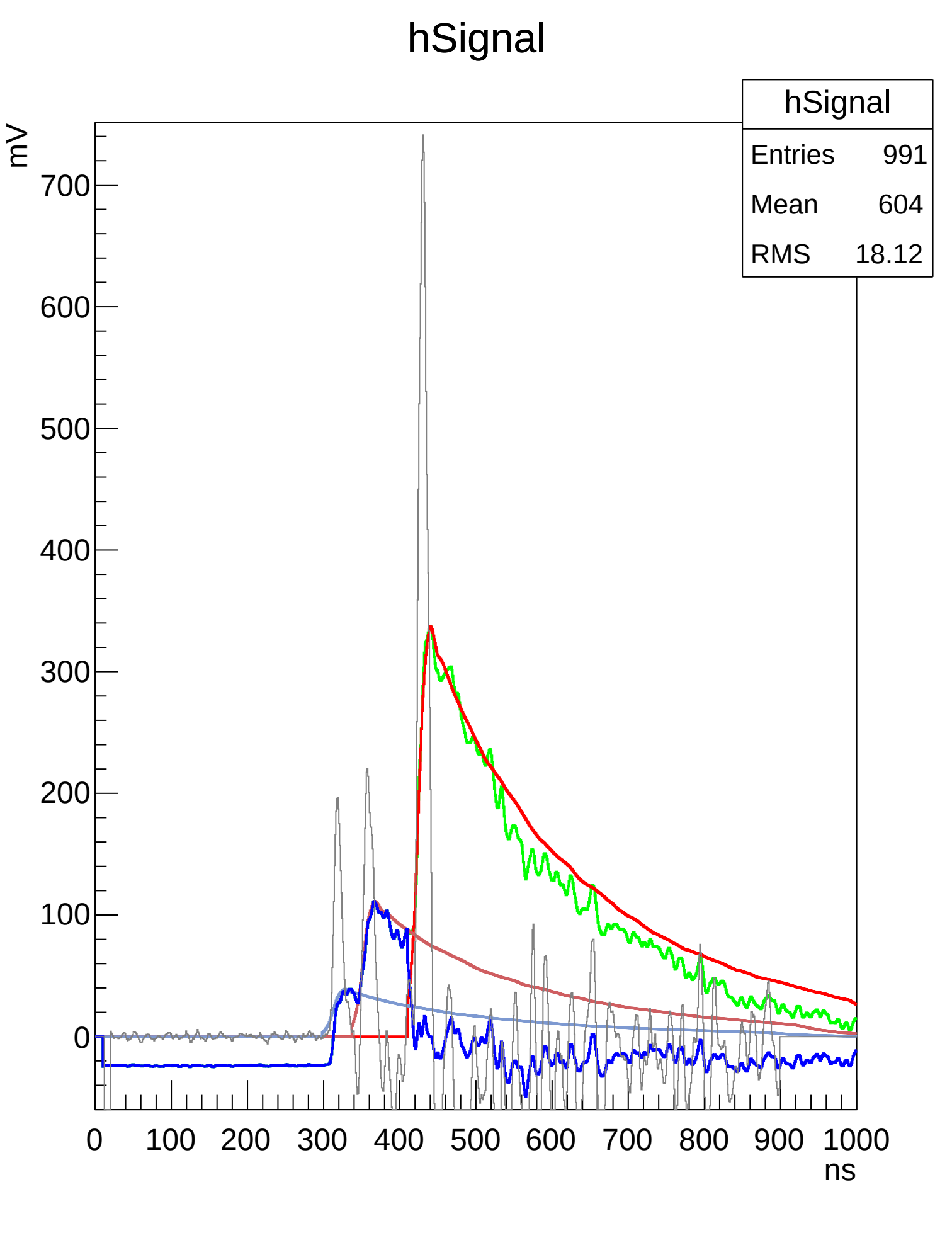

hSignal
hSignal
Entries 991
Mean 637.5
RMS 146.4
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

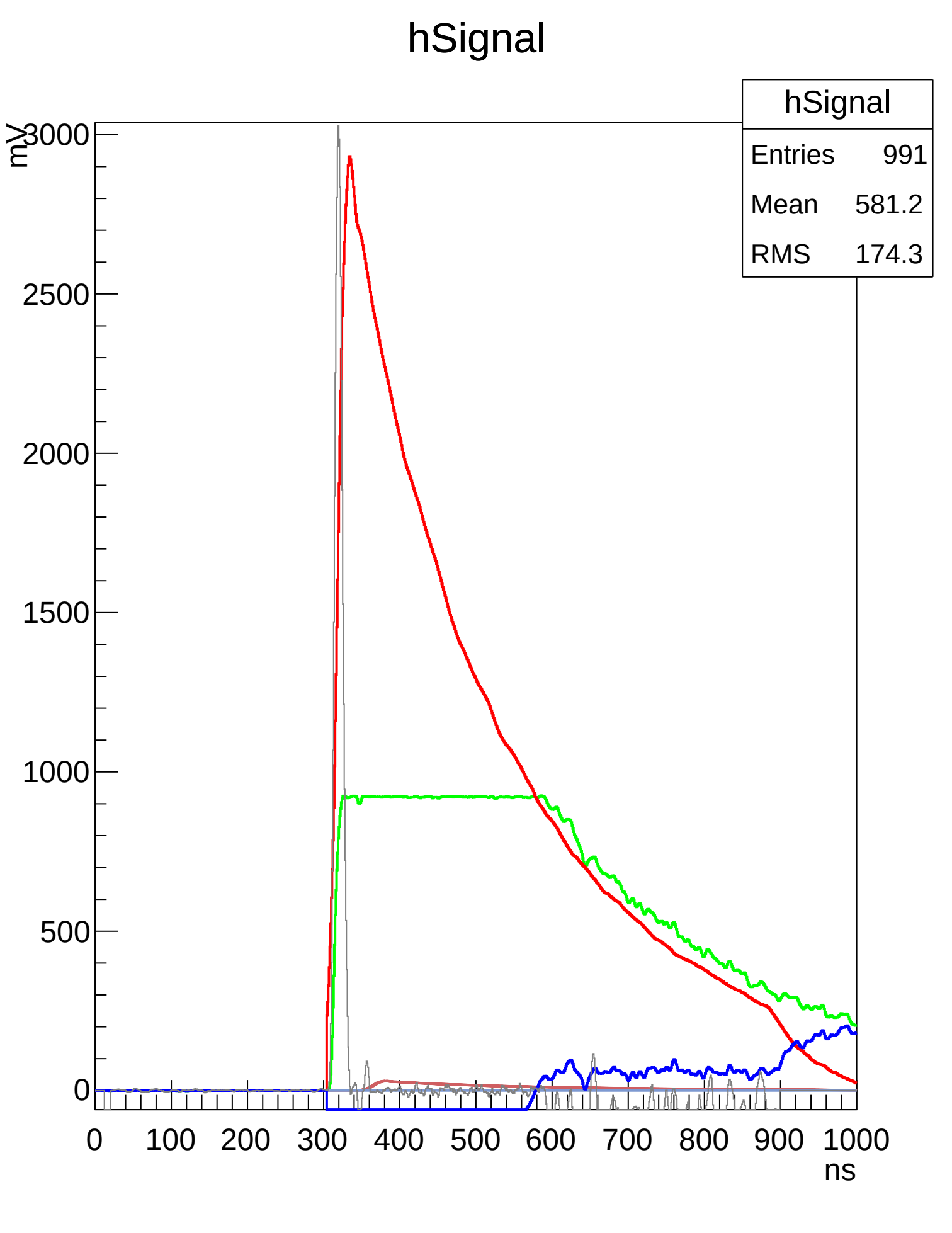

hSignal
hSignal
Entries 991
Mean 522.3
RMS 169.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

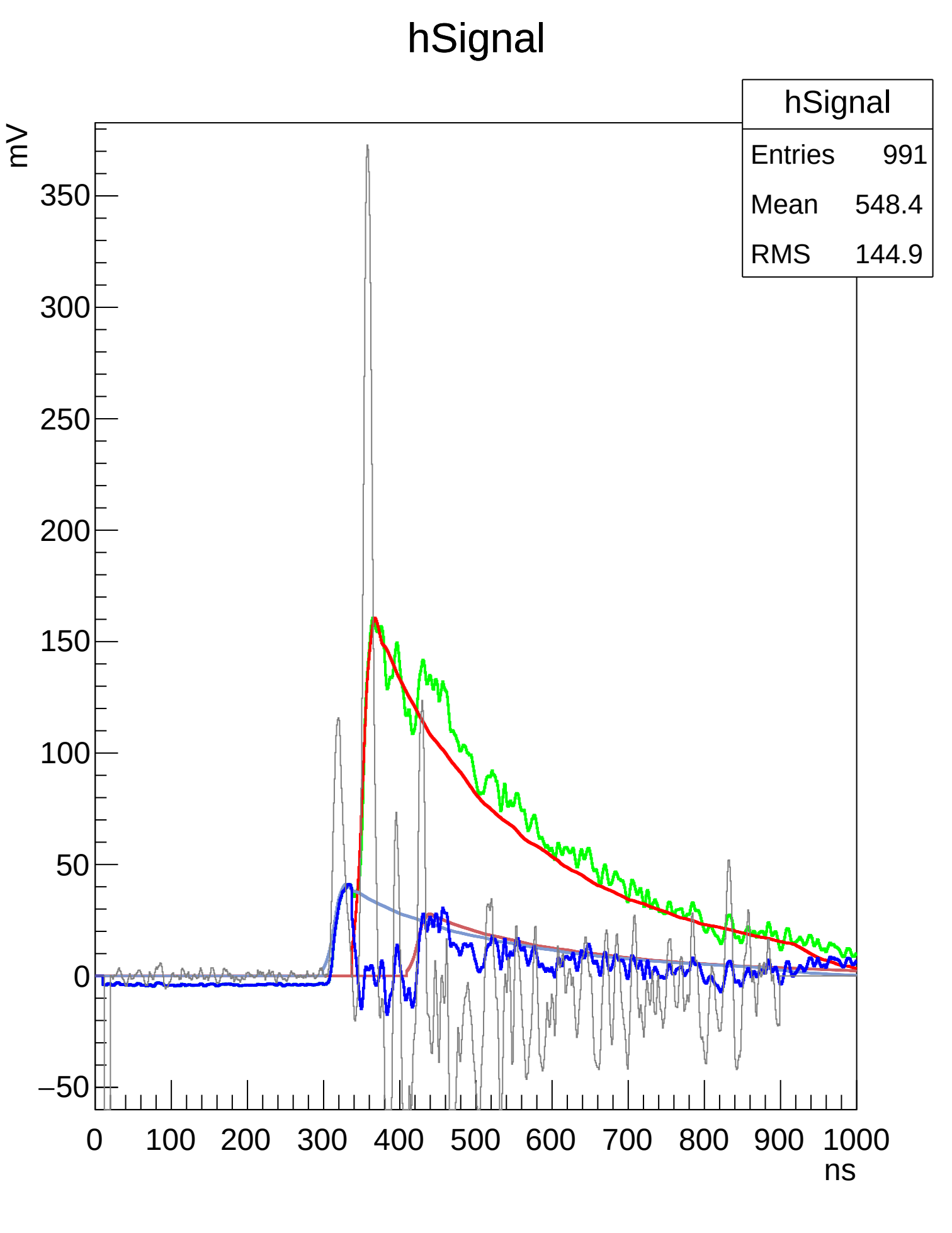

hSignal
hSignal
Entries 991
Mean 501.7
RMS 173.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

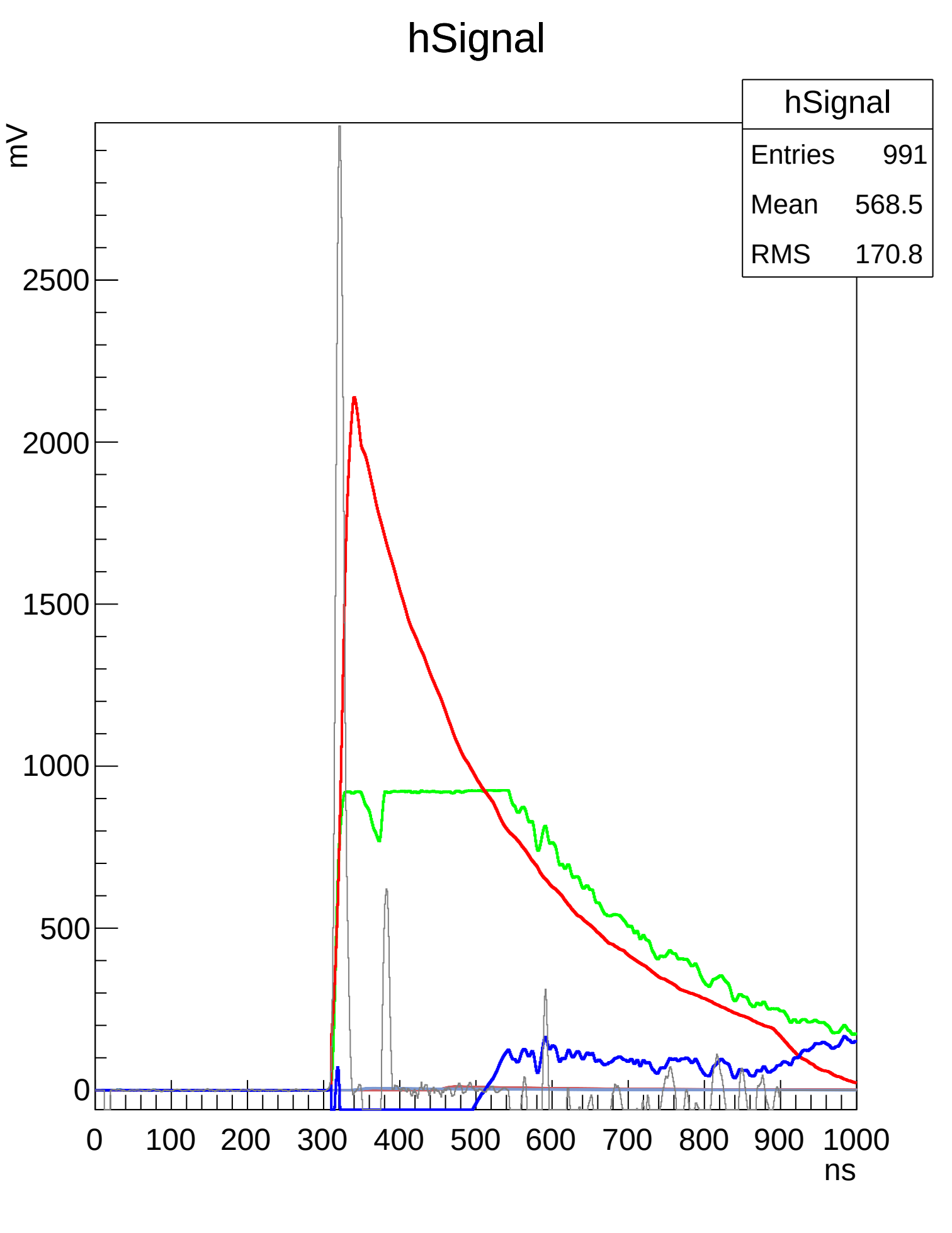

hSignal
hSignal
Entries 991
Mean 642.5
RMS 144.4
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

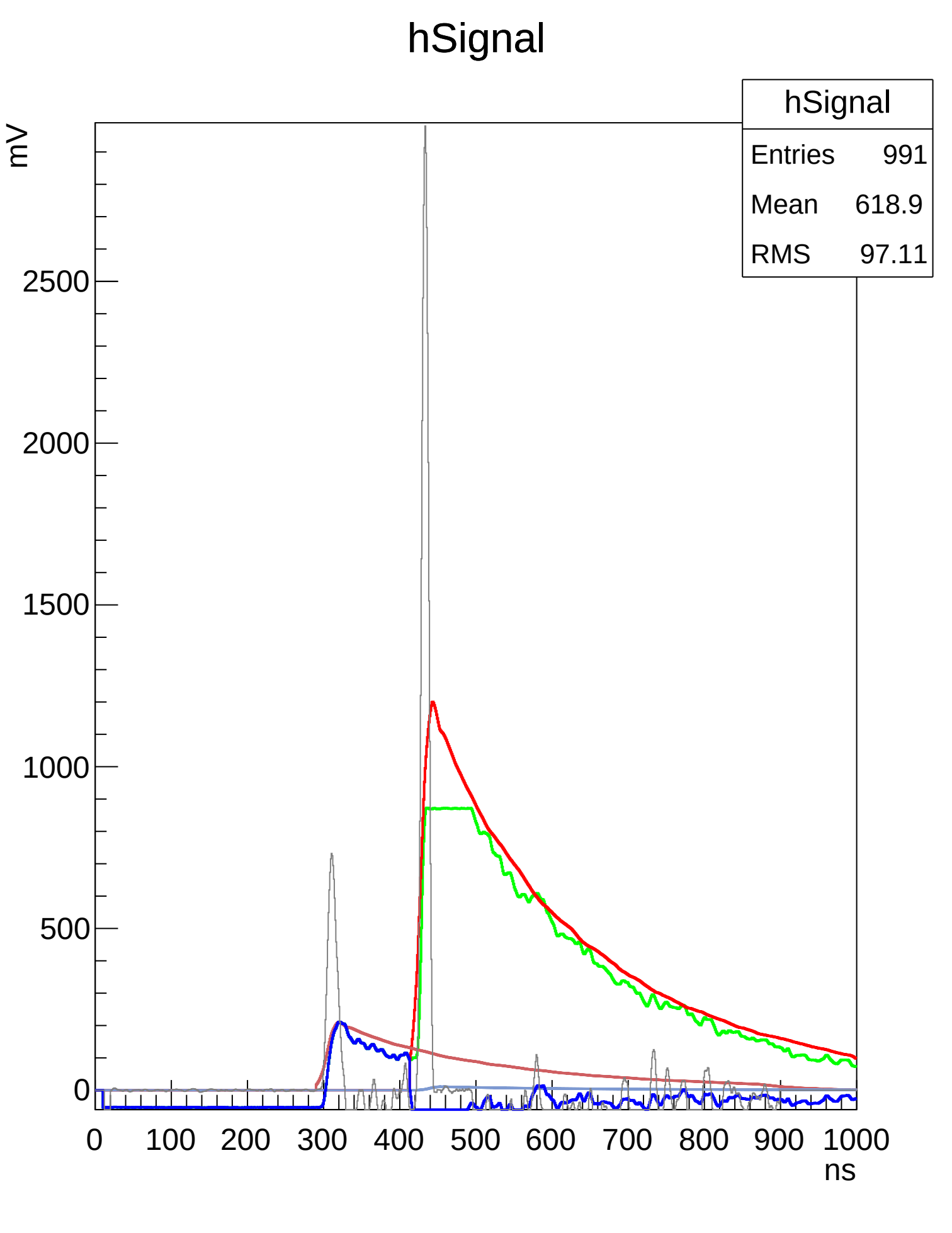

hSignal
hSignal
Entries 991
Mean 635.8
RMS 143.8
mV
3500
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

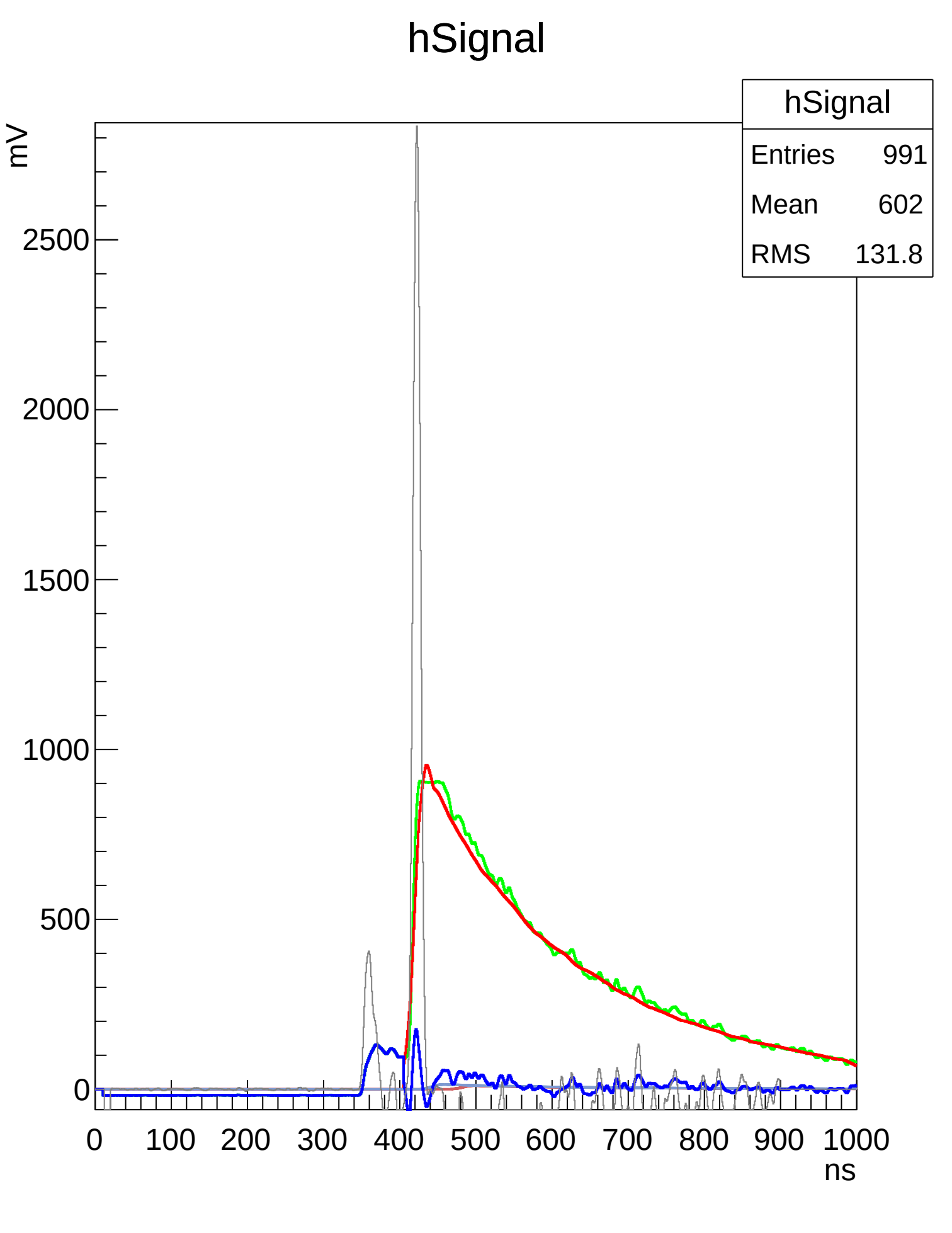

hSignal
hSignal
Entries 991
Mean 604
RMS 18.12
mV
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

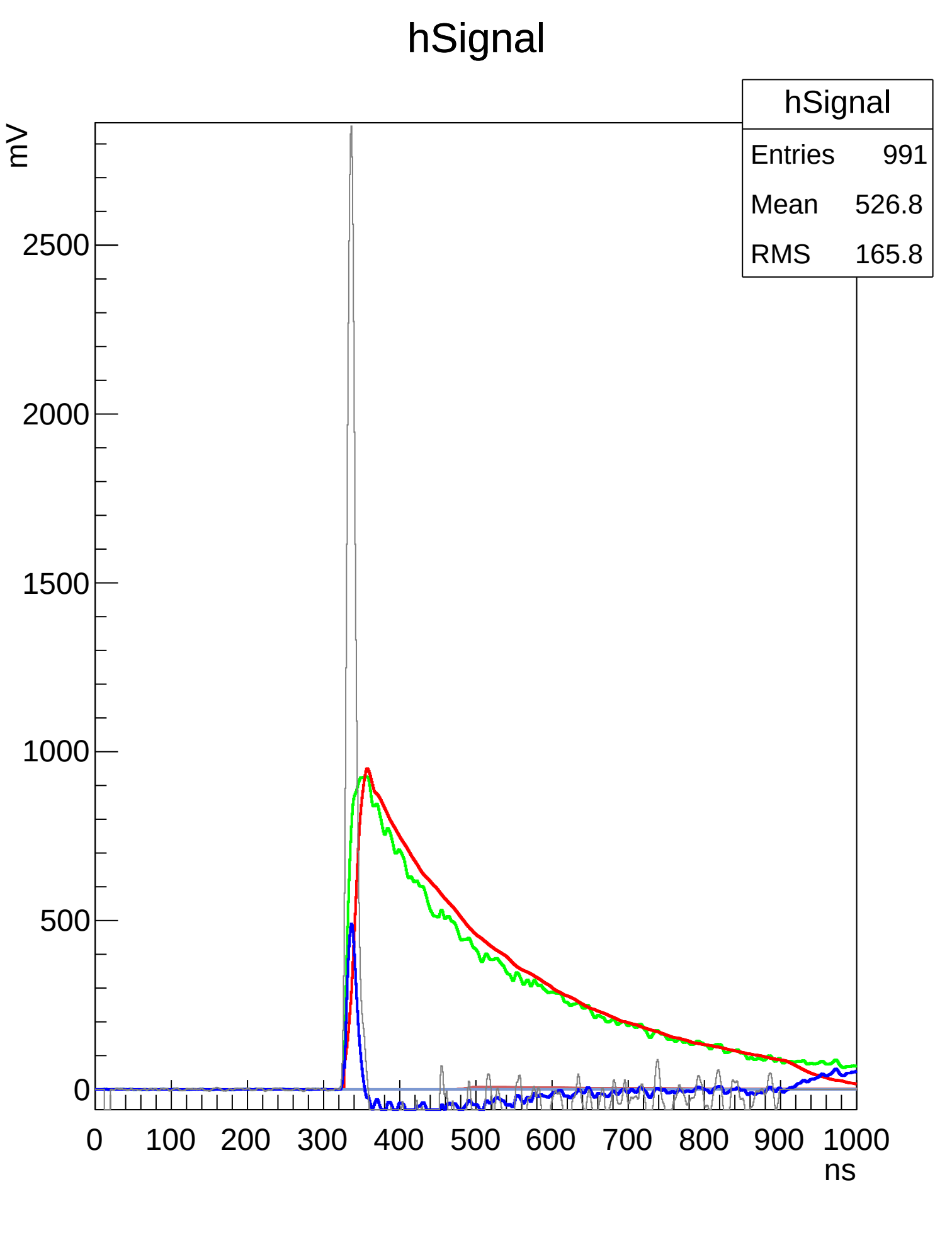

hSignal
hSignal
Entries 991
Mean 581.2
RMS 174.3
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

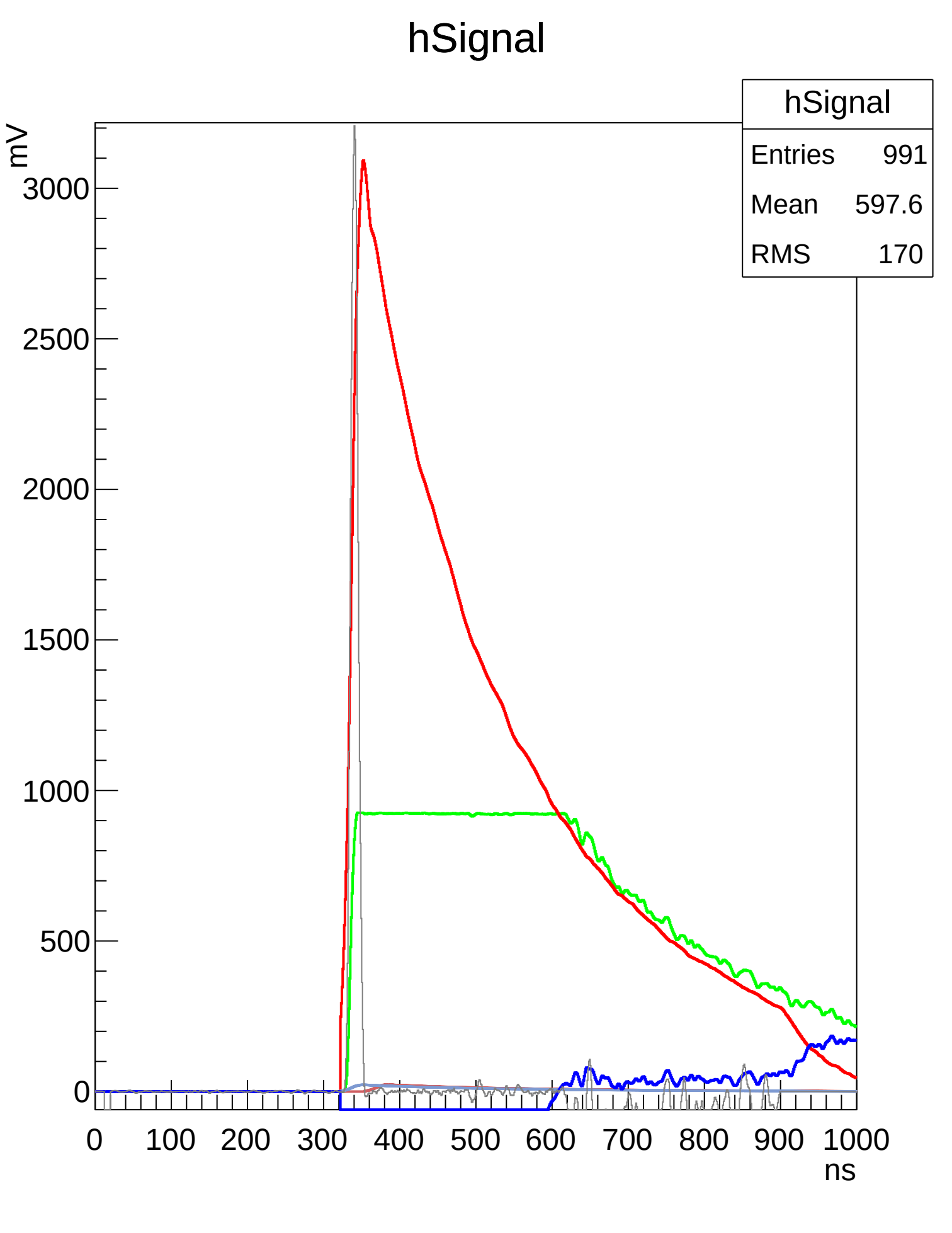

hSignal
hSignal
Entries 991
Mean 548.4
RMS 144.9
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

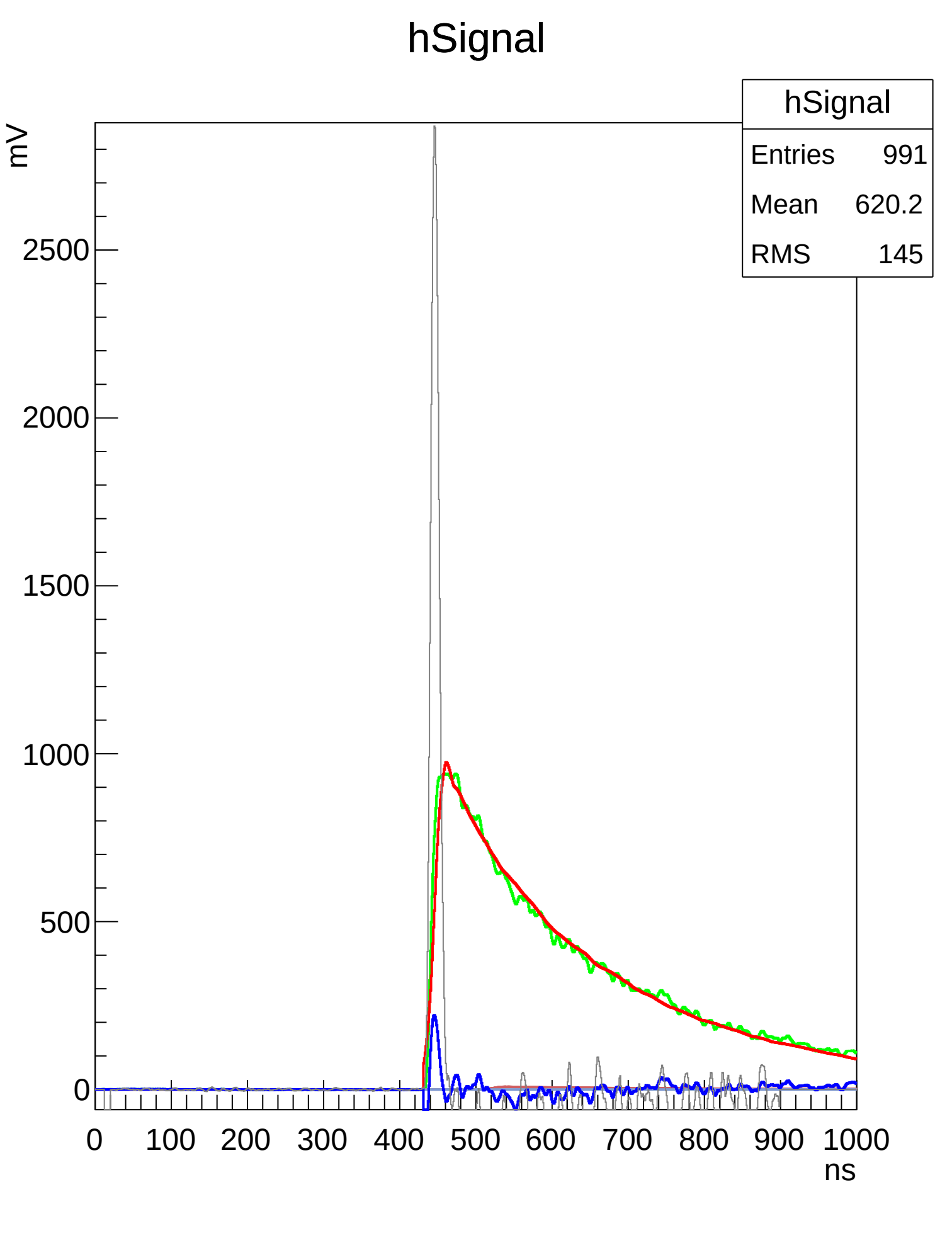

hSignal
hSignal
Entries 991
Mean 568.5
RMS 170.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

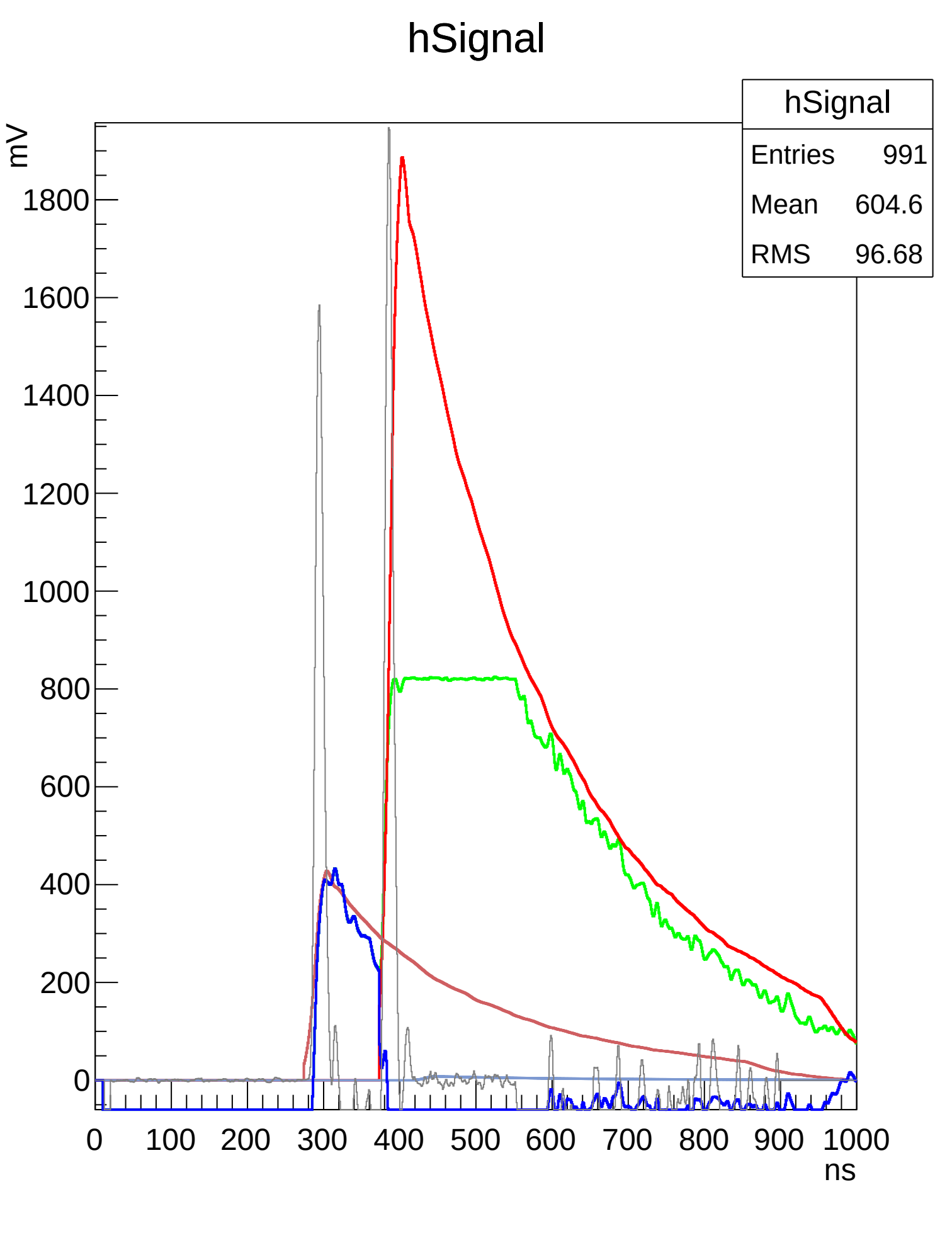

hSignal
hSignal
Entries 991
Mean 618.9
RMS 97.11
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

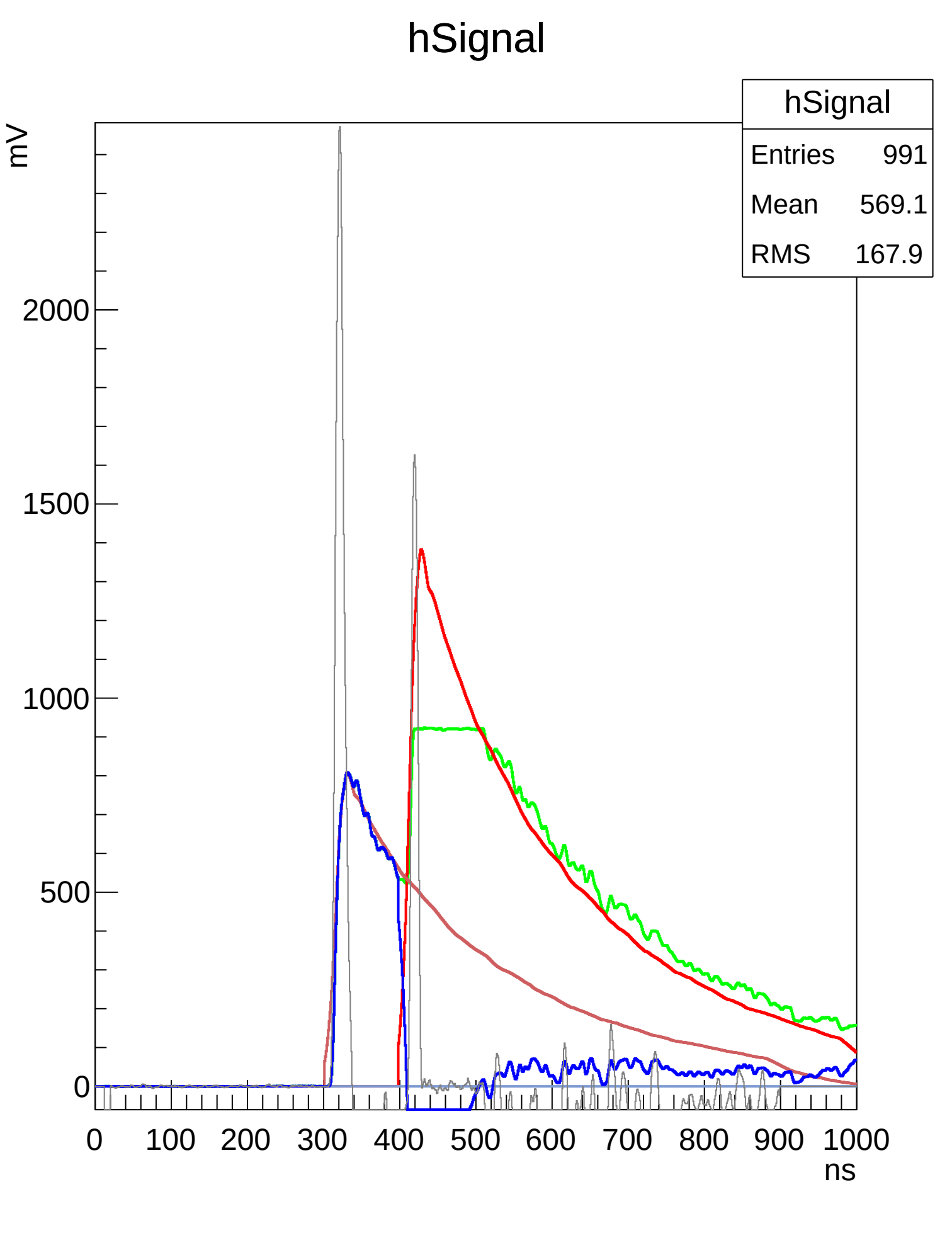

hSignal
hSignal
Entries 991
Mean 602
RMS 131.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

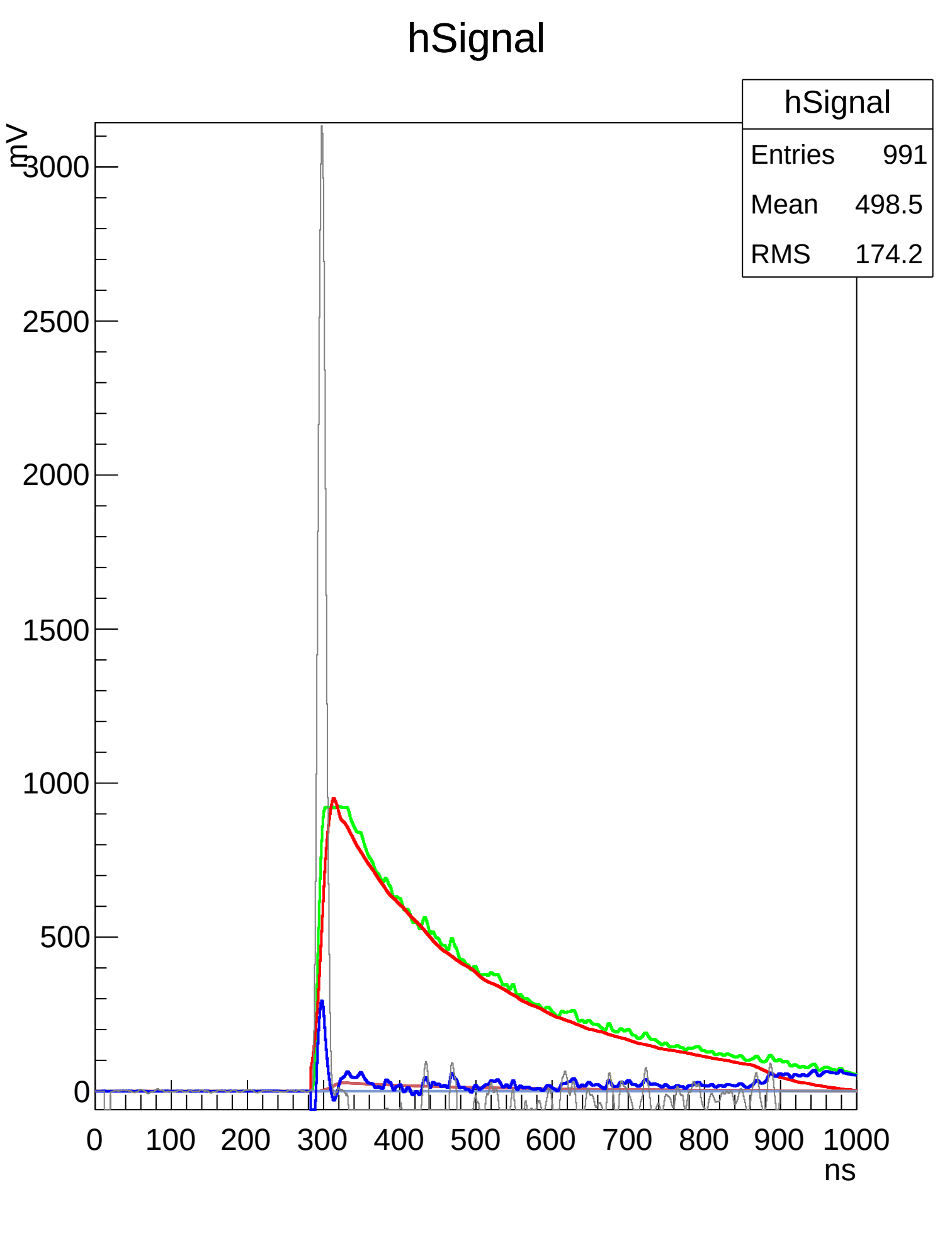

hSignal
hSignal
Entries 991
Mean 526.8
RMS 165.8
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

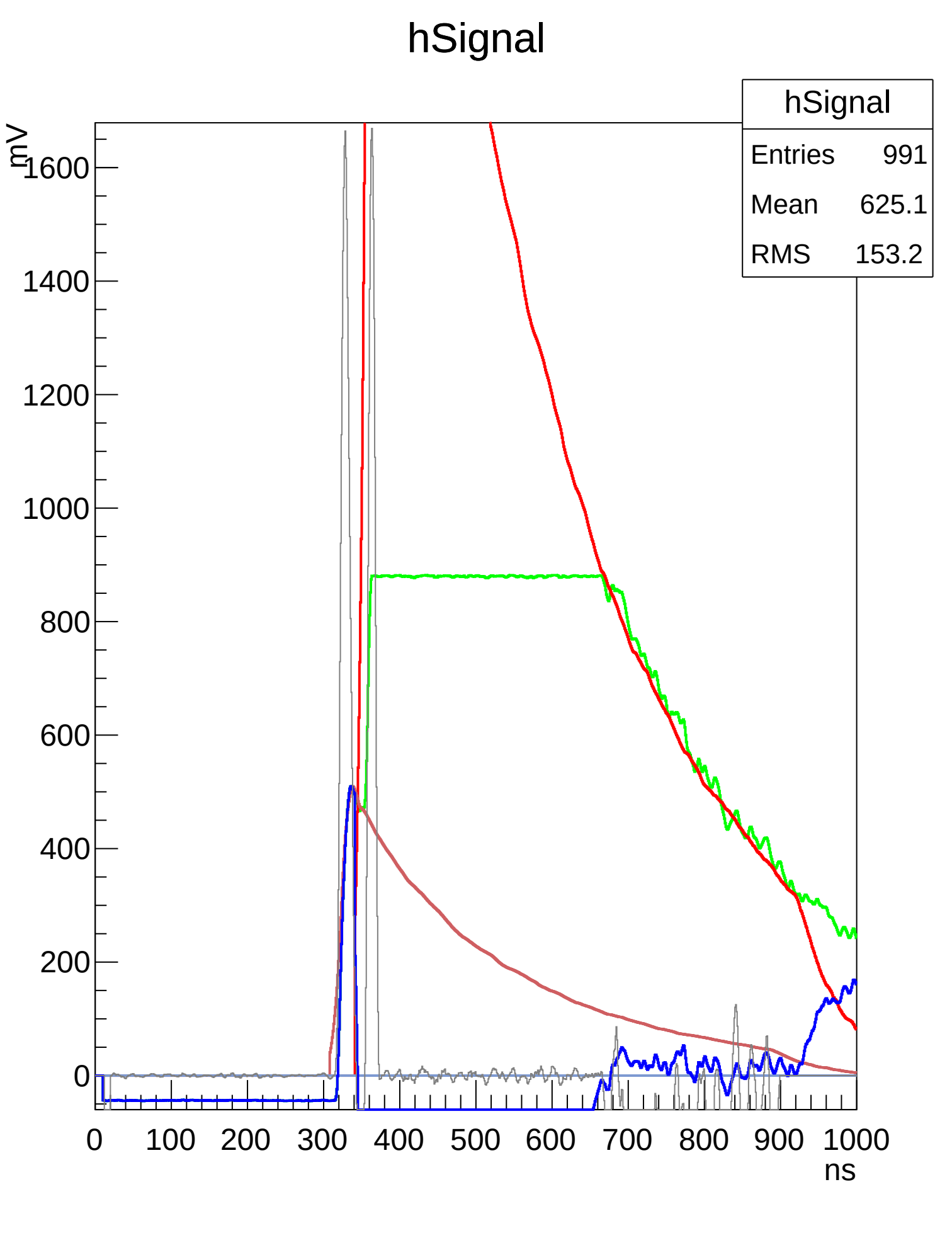

hSignal
hSignal
Entries 991
Mean 597.6
RMS 170
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

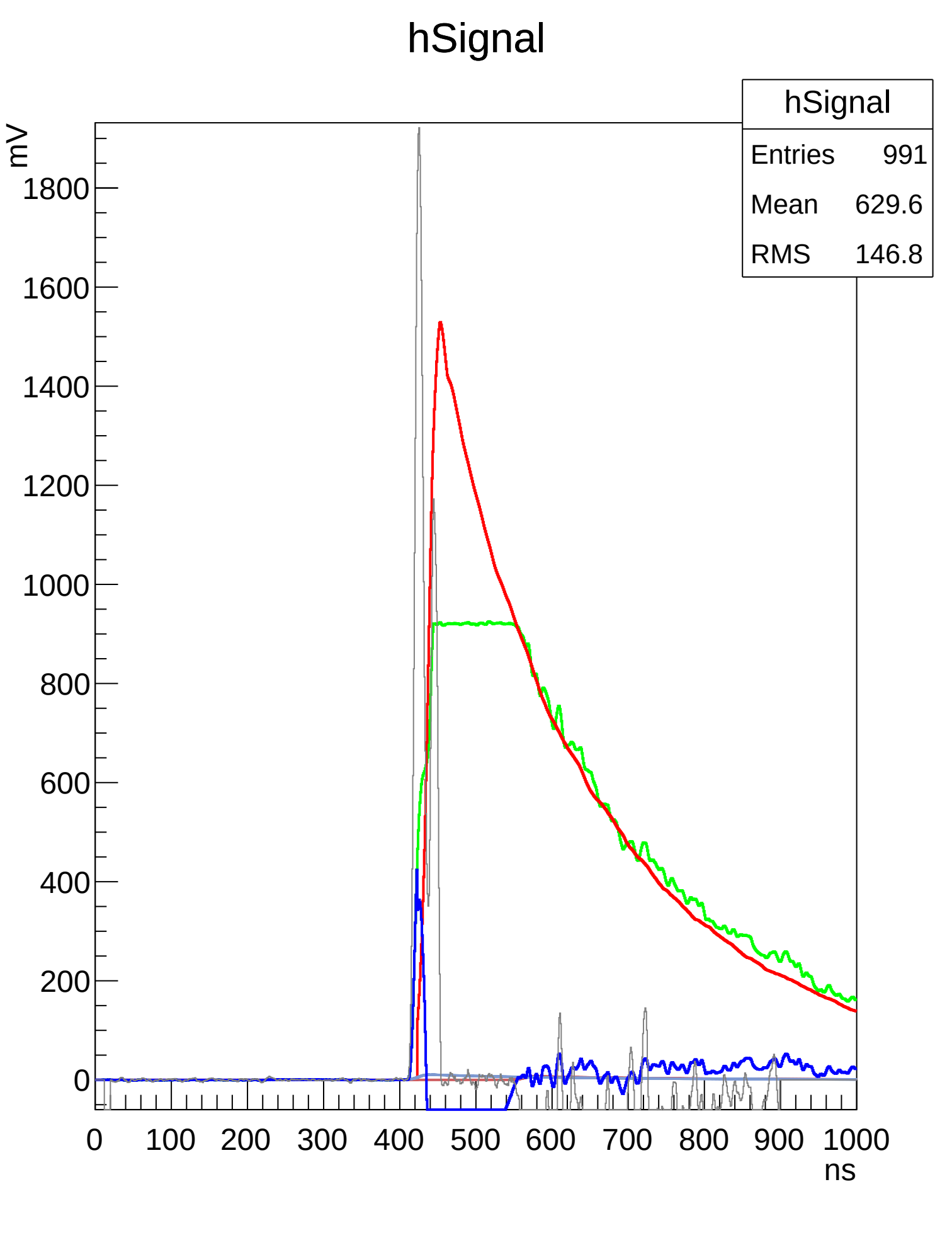

hSignal
hSignal
Entries 991
Mean 620.2
RMS 145
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

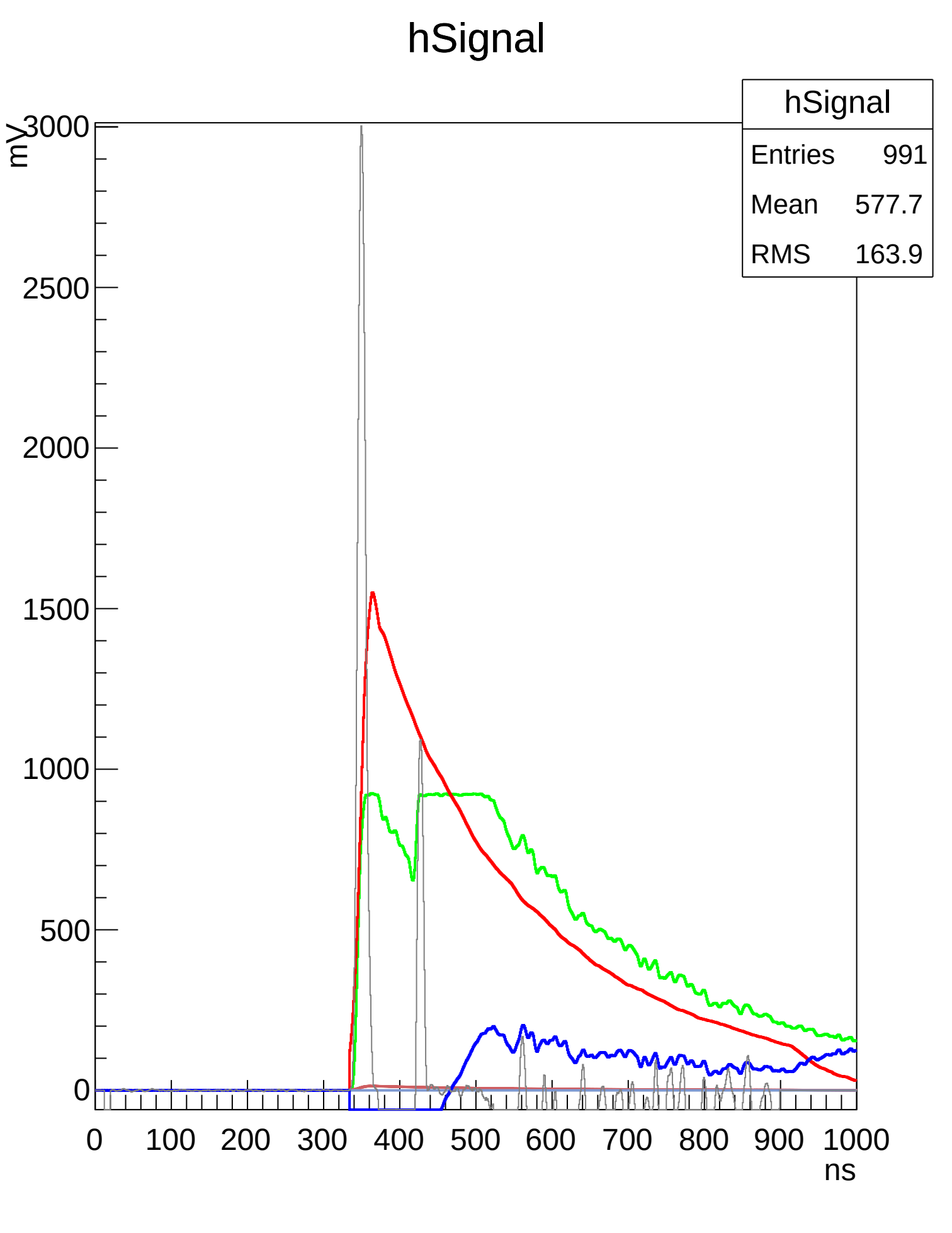

hSignal
hSignal
Entries 991
Mean 604.6
RMS 96.68
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

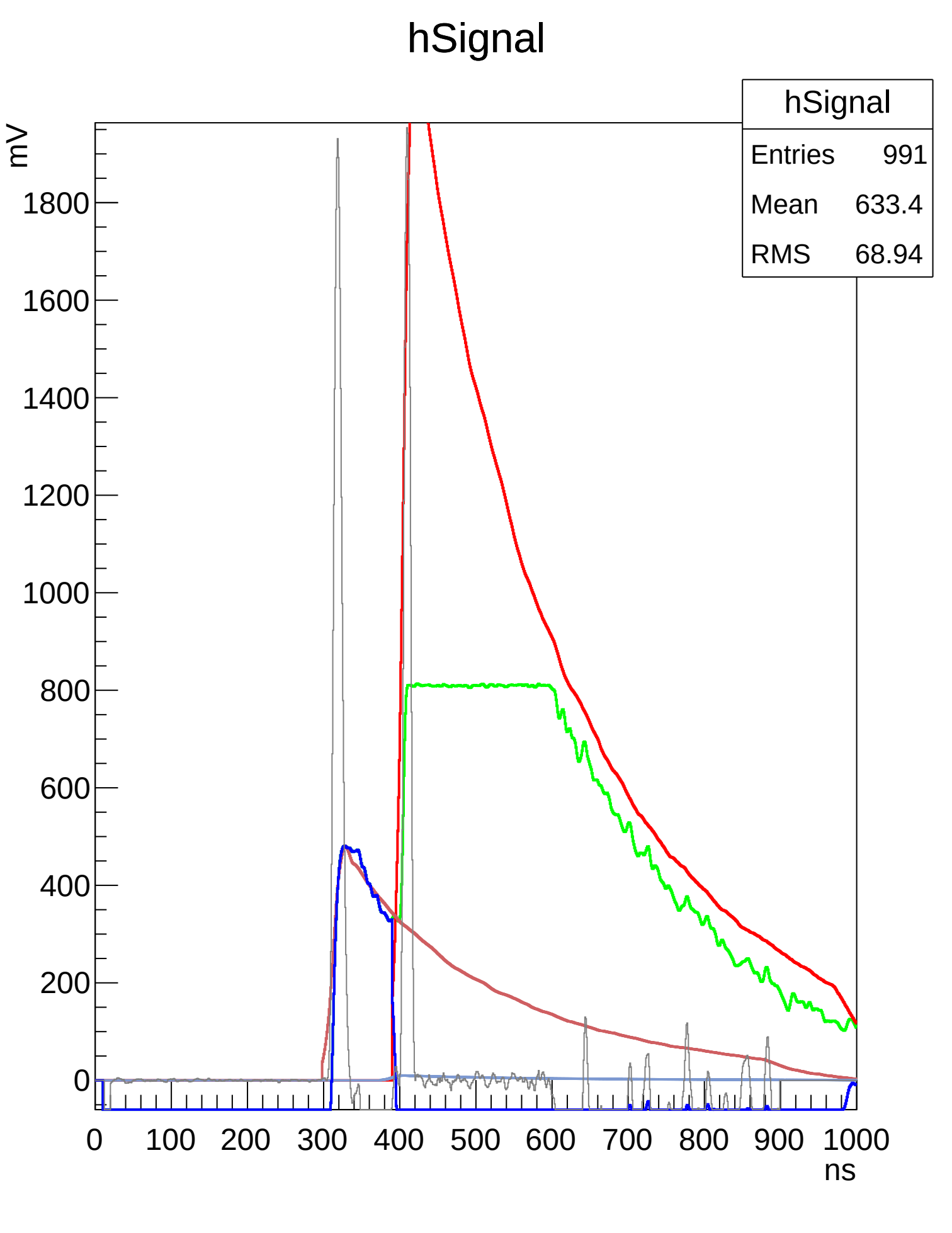

hSignal
hSignal
Entries 991
Mean 569.1
RMS 167.9
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

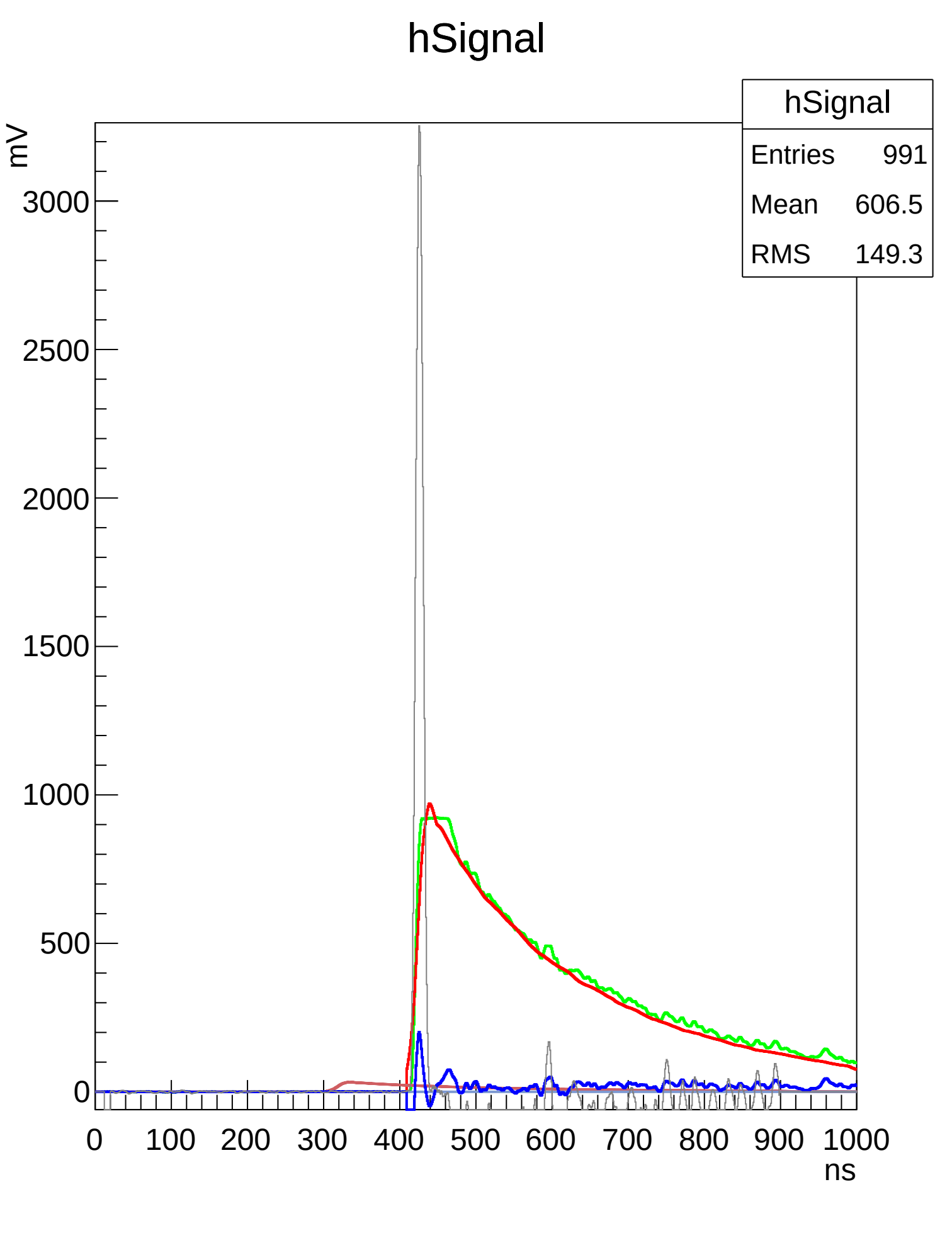

hSignal
hSignal
Entries 991
Mean 498.5
RMS 174.2
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

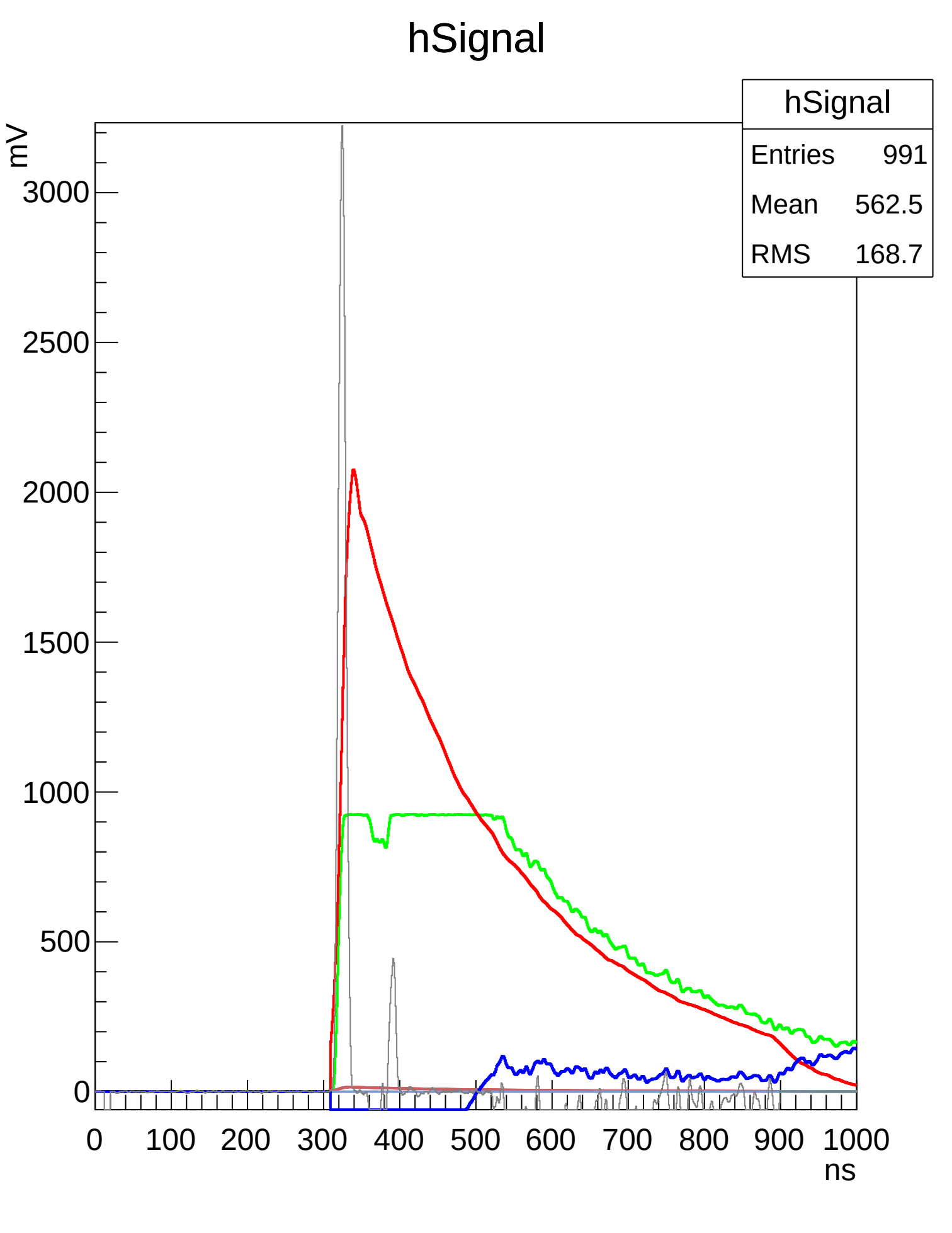

hSignal
hSignal
Entries 991
Mean 625.1
RMS 153.2
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

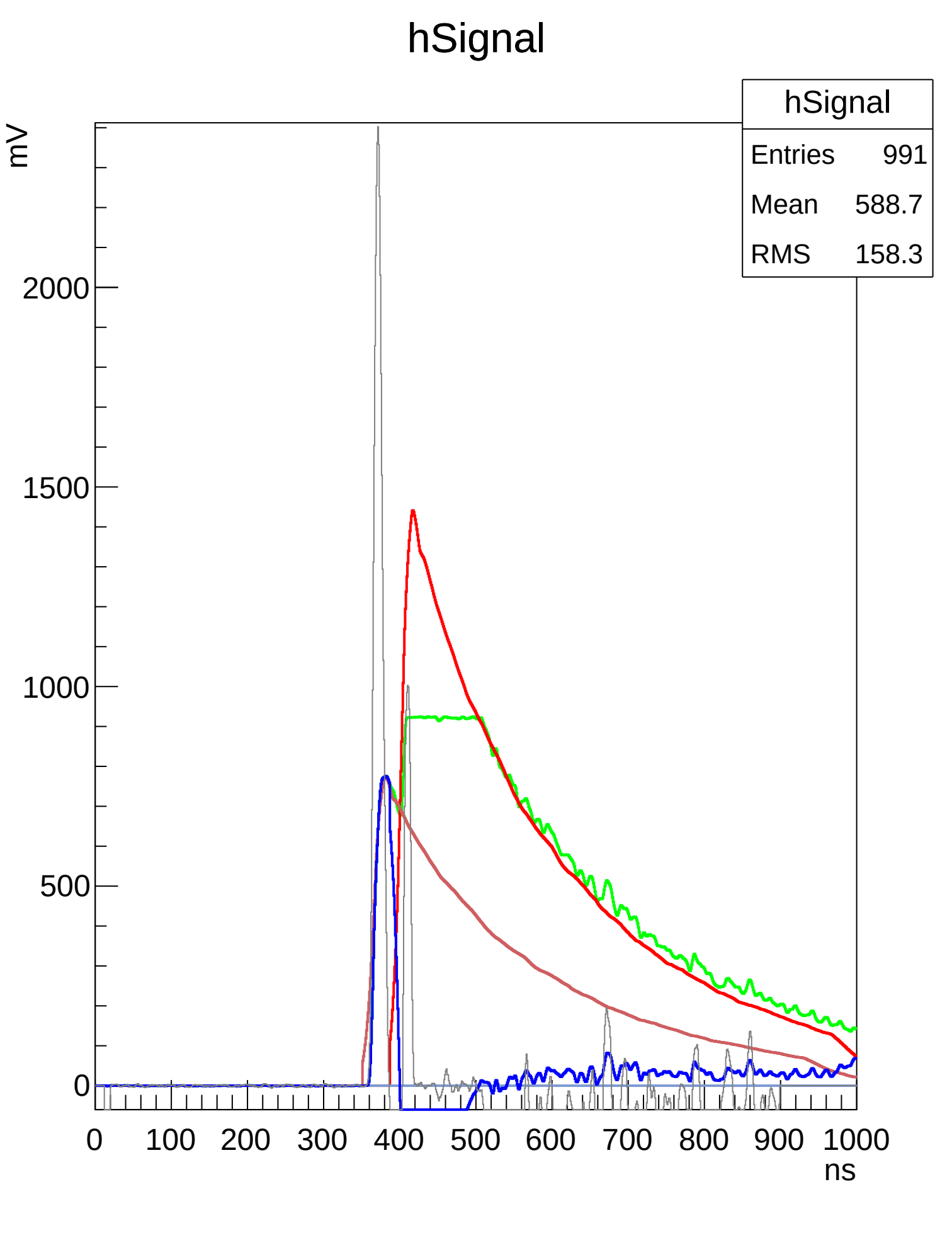

hSignal
hSignal
Entries 991
Mean 629.6
RMS 146.8
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

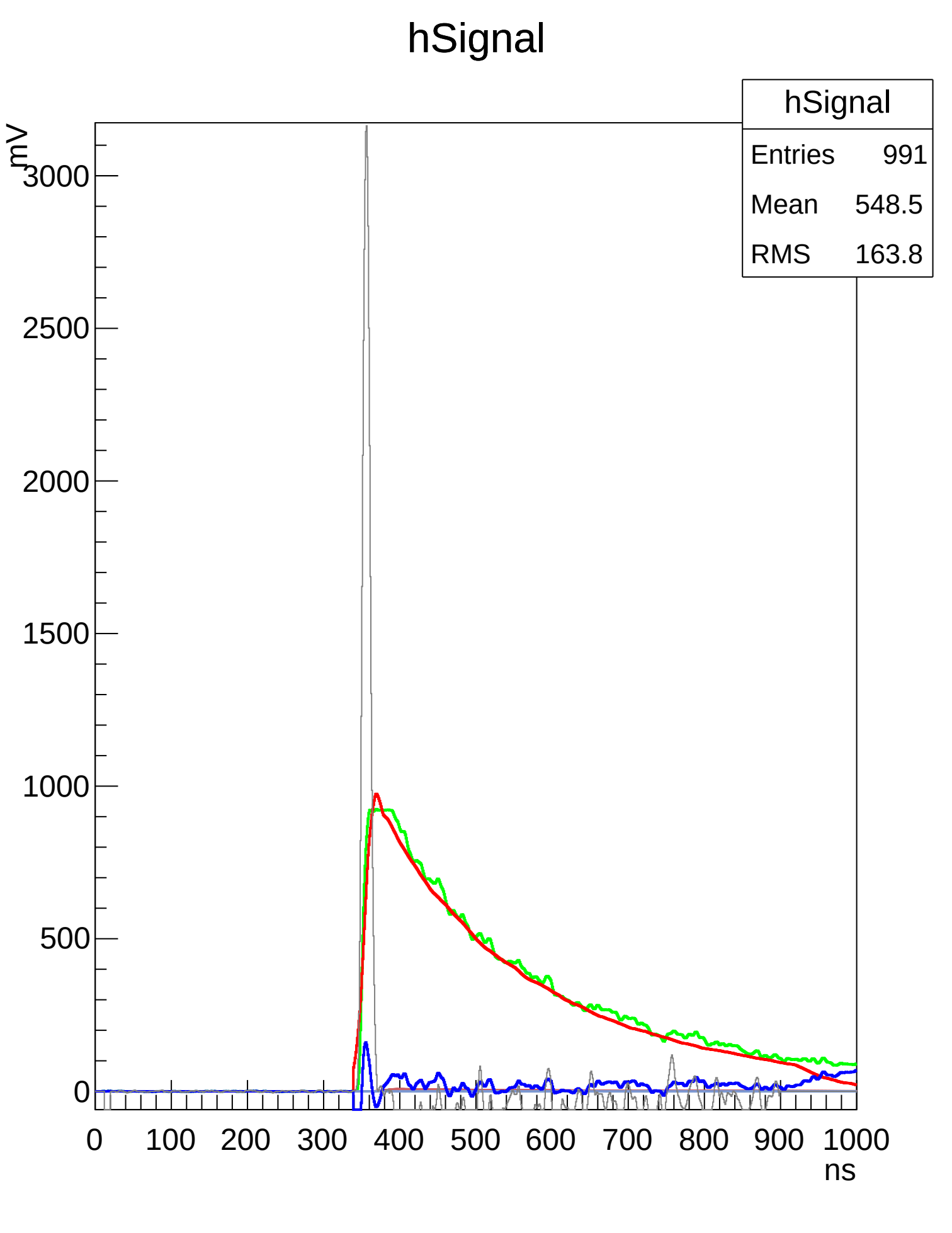

hSignal
hSignal
Entries 991
Mean 577.7
RMS 163.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

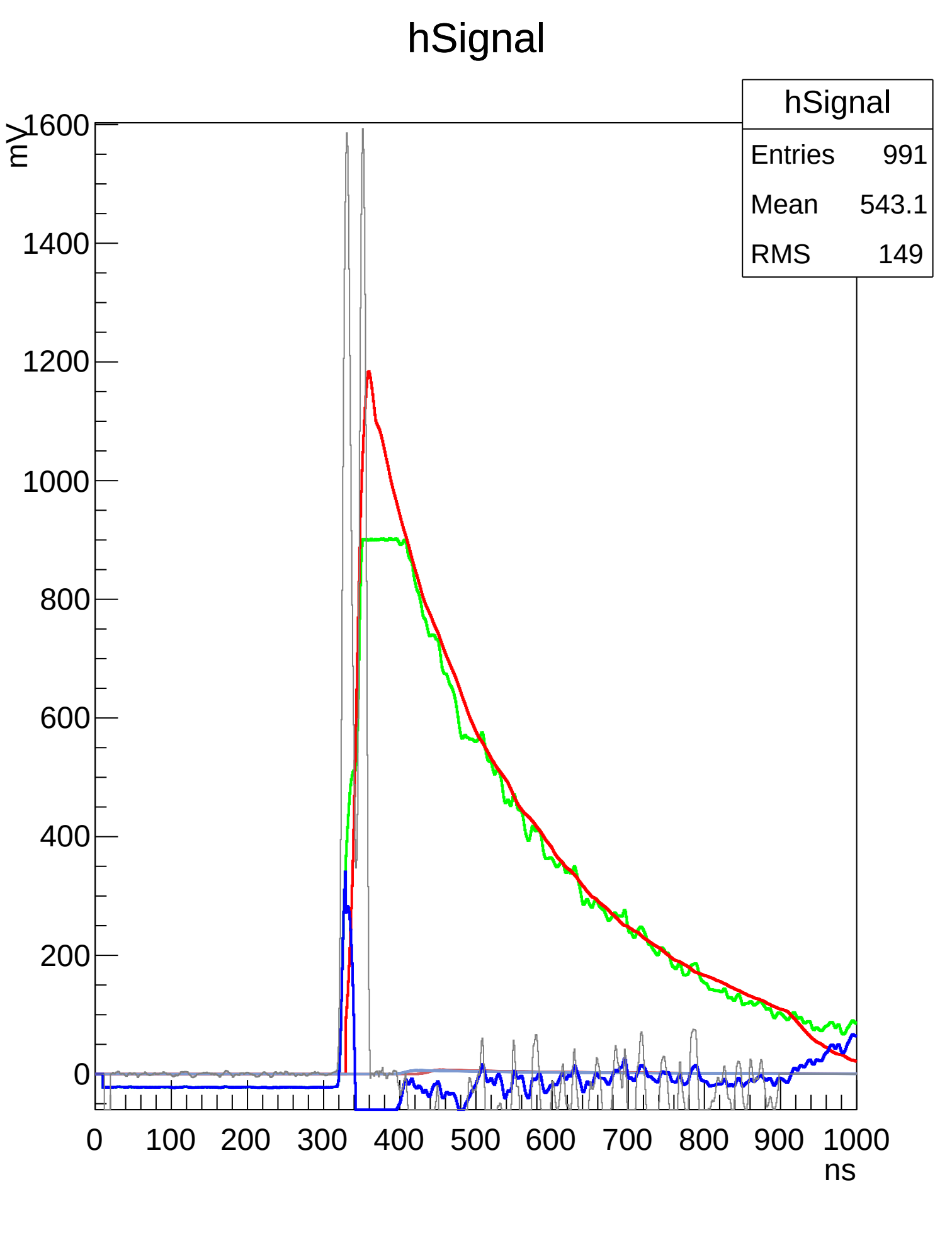

hSignal
hSignal
Entries 991
Mean 633.4
RMS 68.94
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

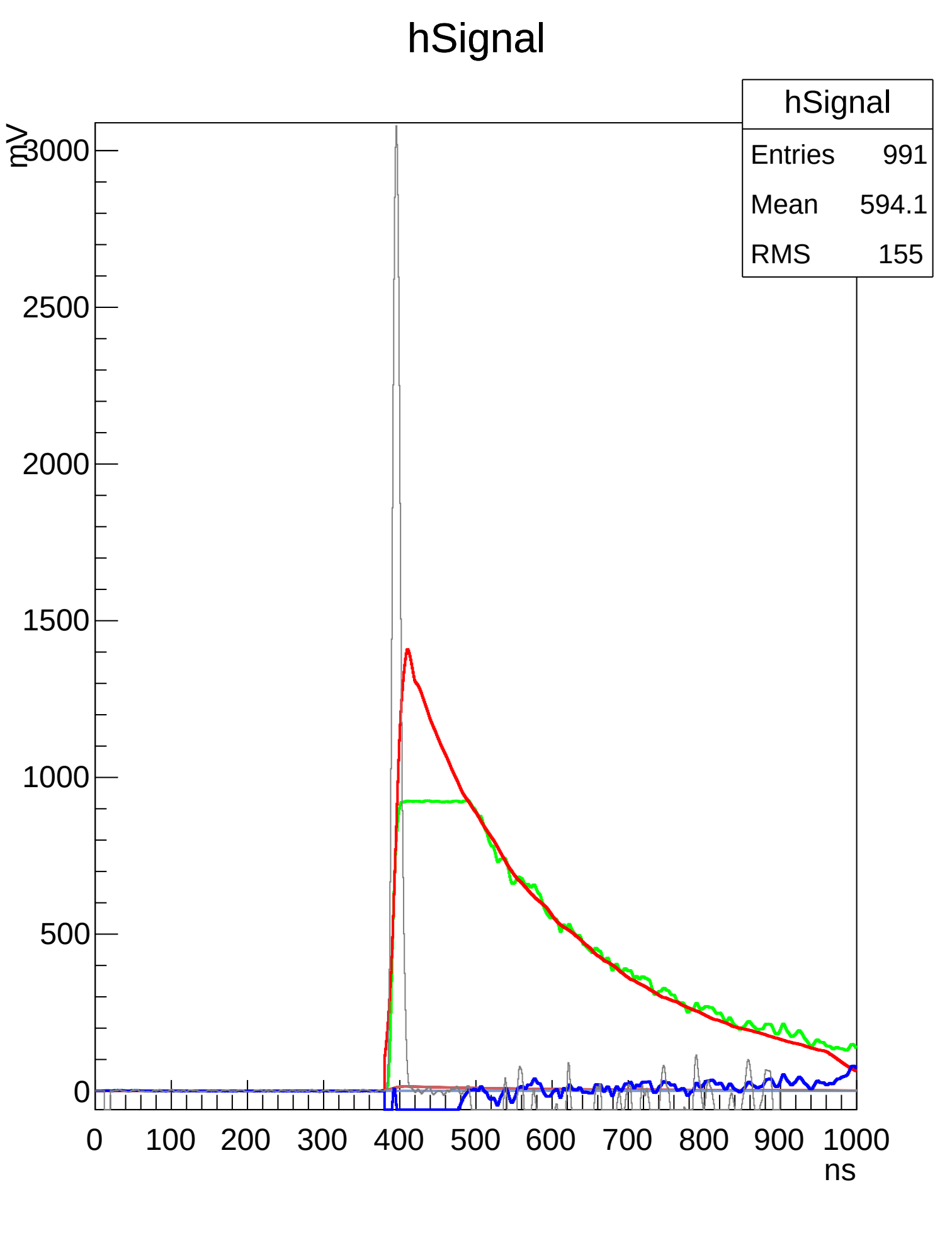

hSignal
hSignal
Entries 991
Mean 606.5
RMS 149.3
mV
3000
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

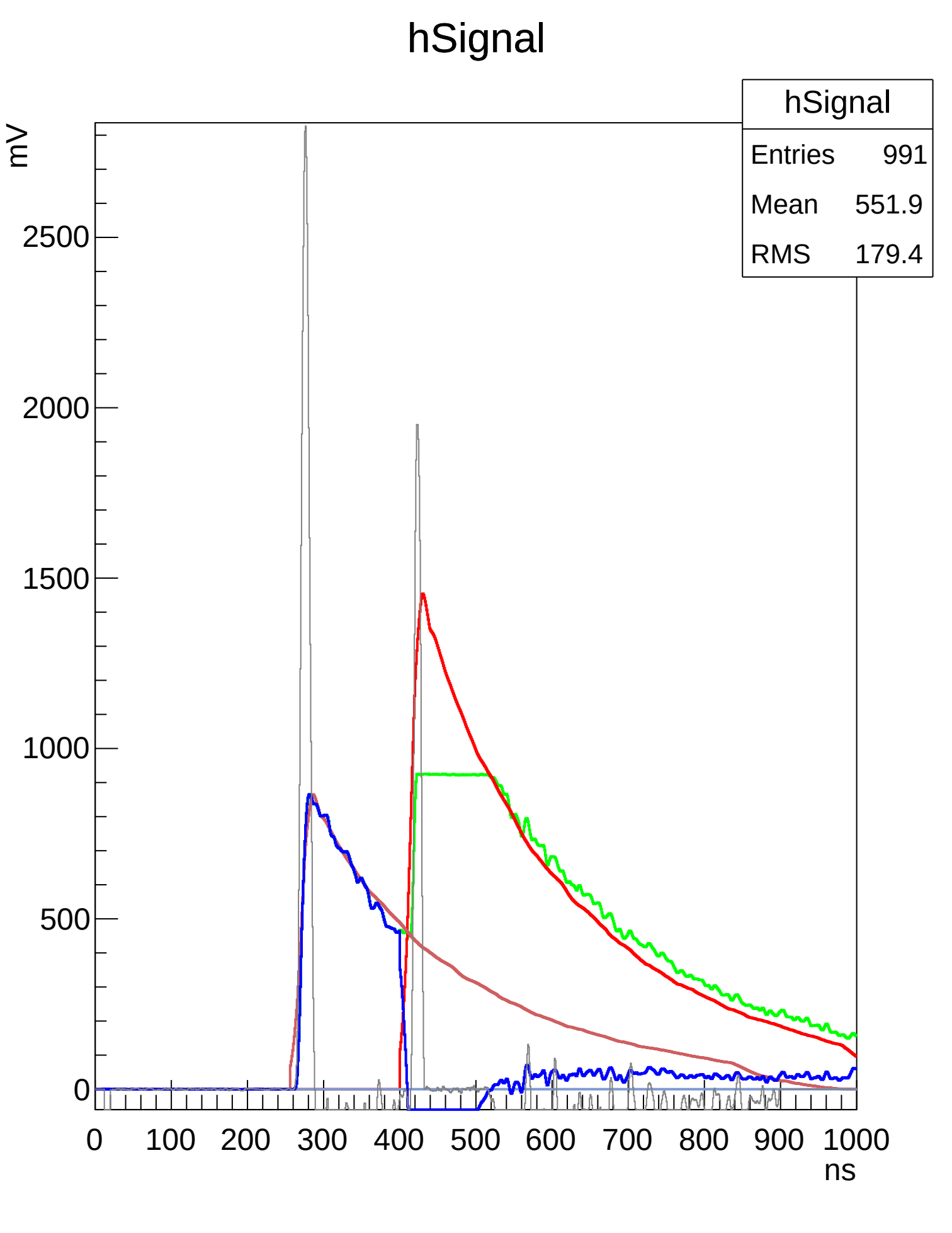

hSignal
hSignal
Entries 991
Mean 562.5
RMS 168.7
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

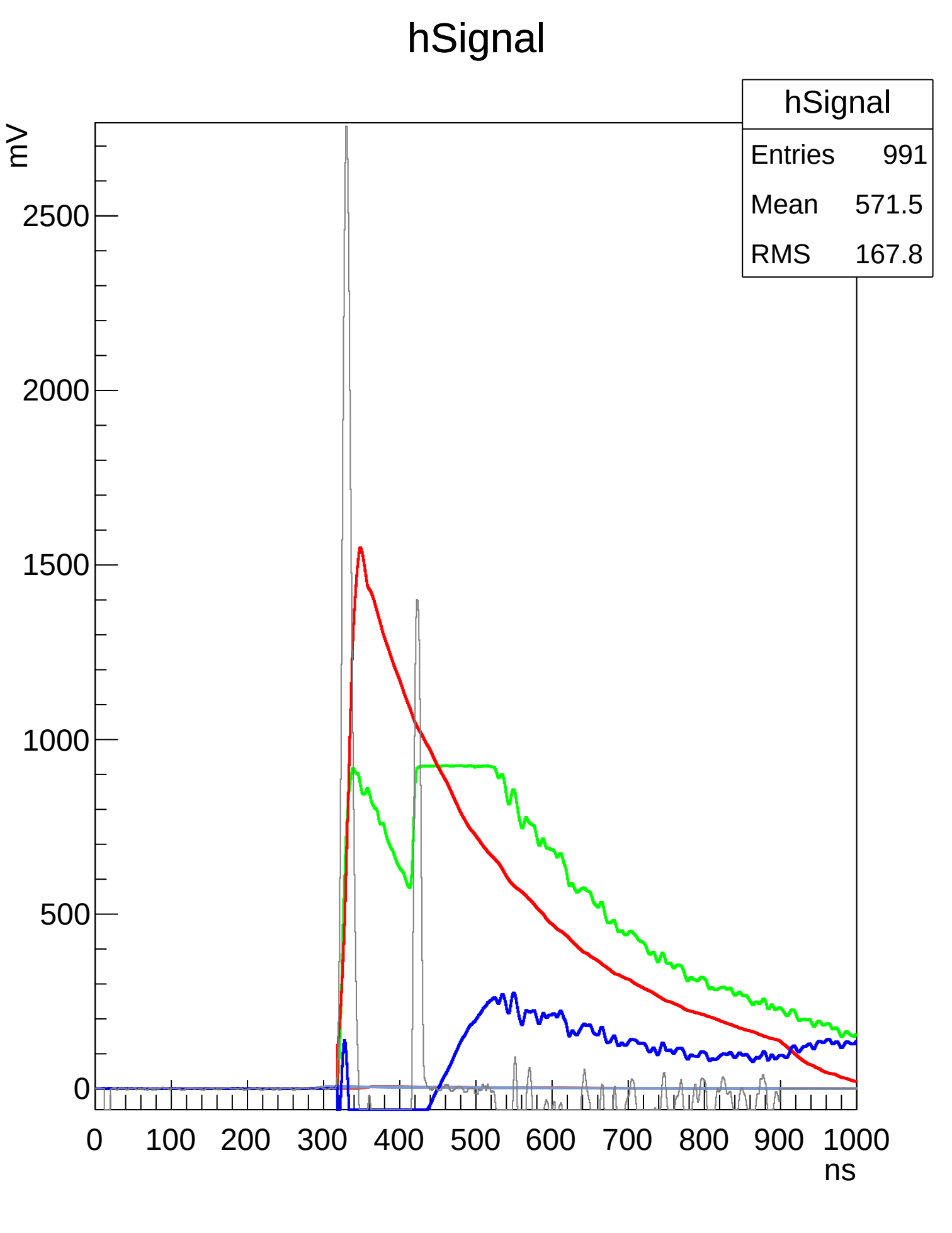

hSignal
hSignal
Entries 991
Mean 588.7
RMS 158.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

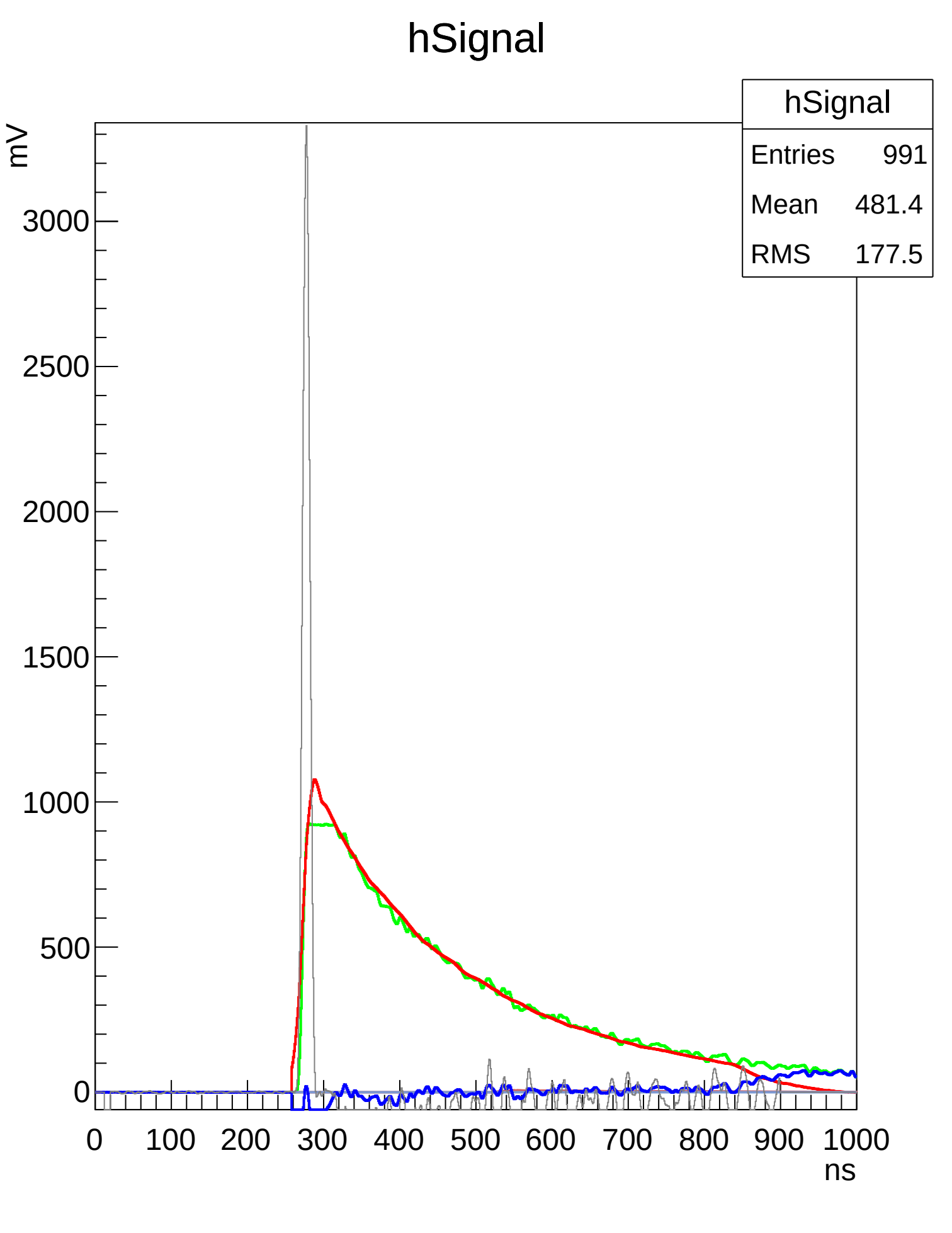

hSignal
hSignal
Entries 991
Mean 548.5
RMS 163.8
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

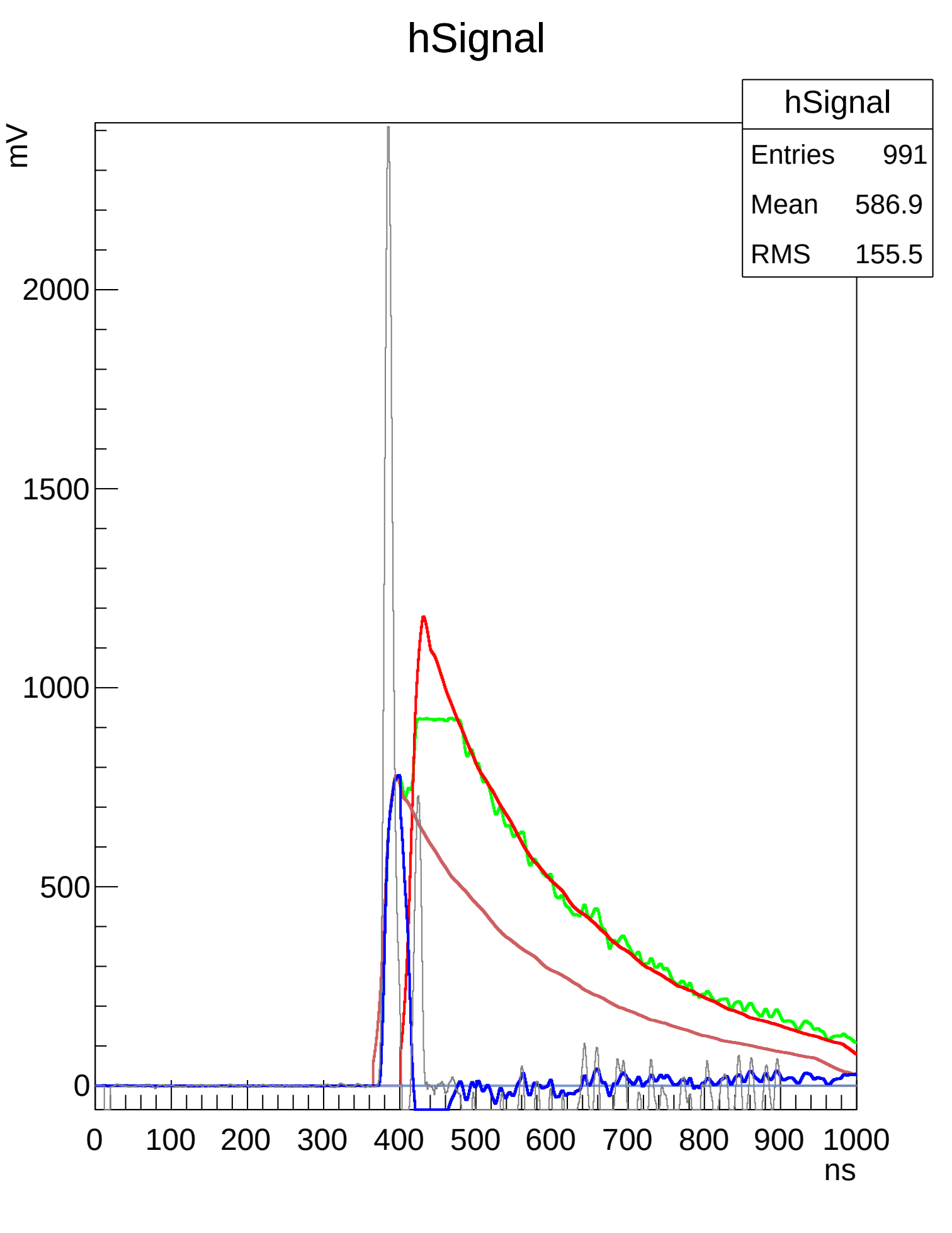

hSignal
hSignal
Entries 991
Mean 543.1
RMS 149
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

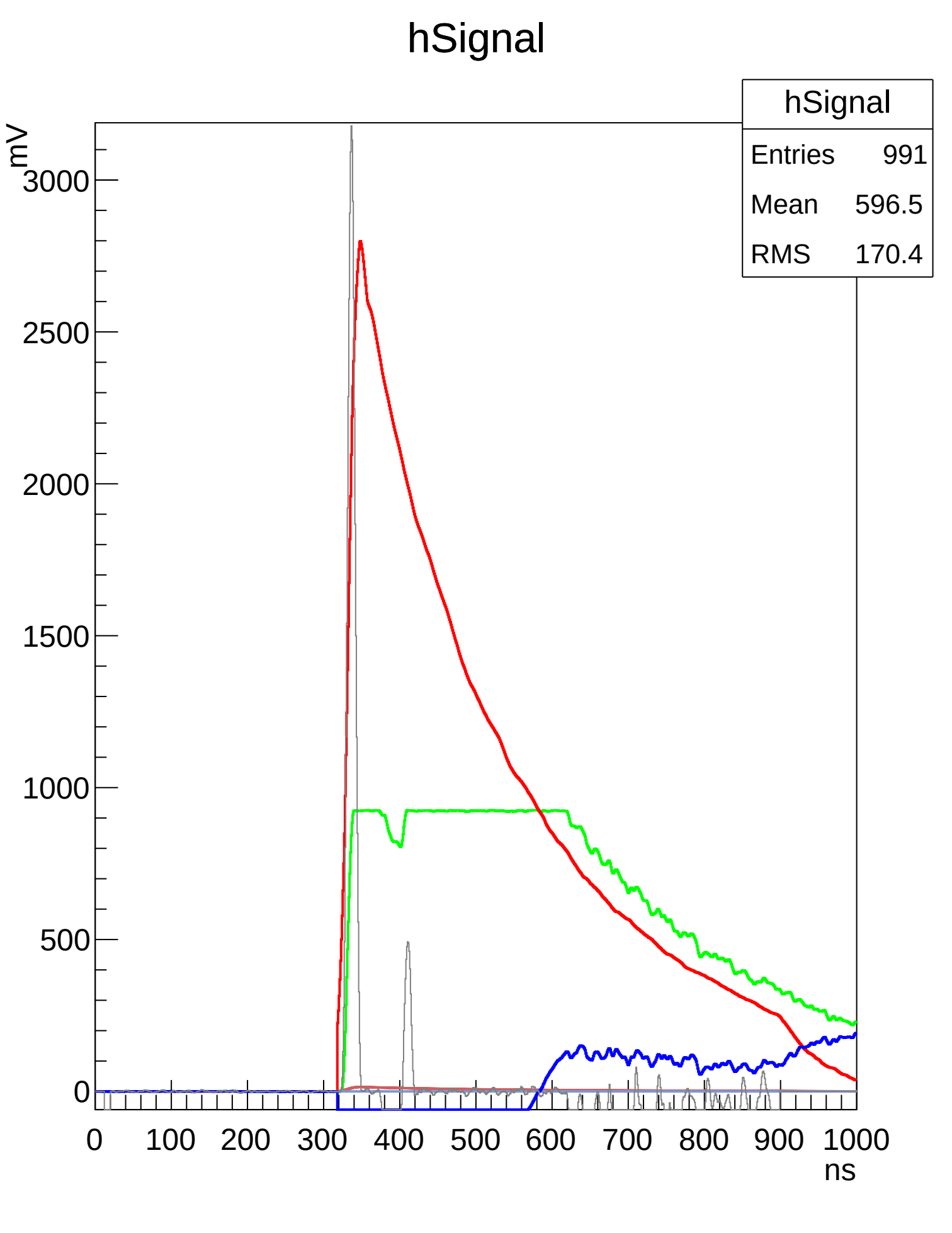

hSignal
hSignal
Entries 991
Mean 594.1
RMS 155
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

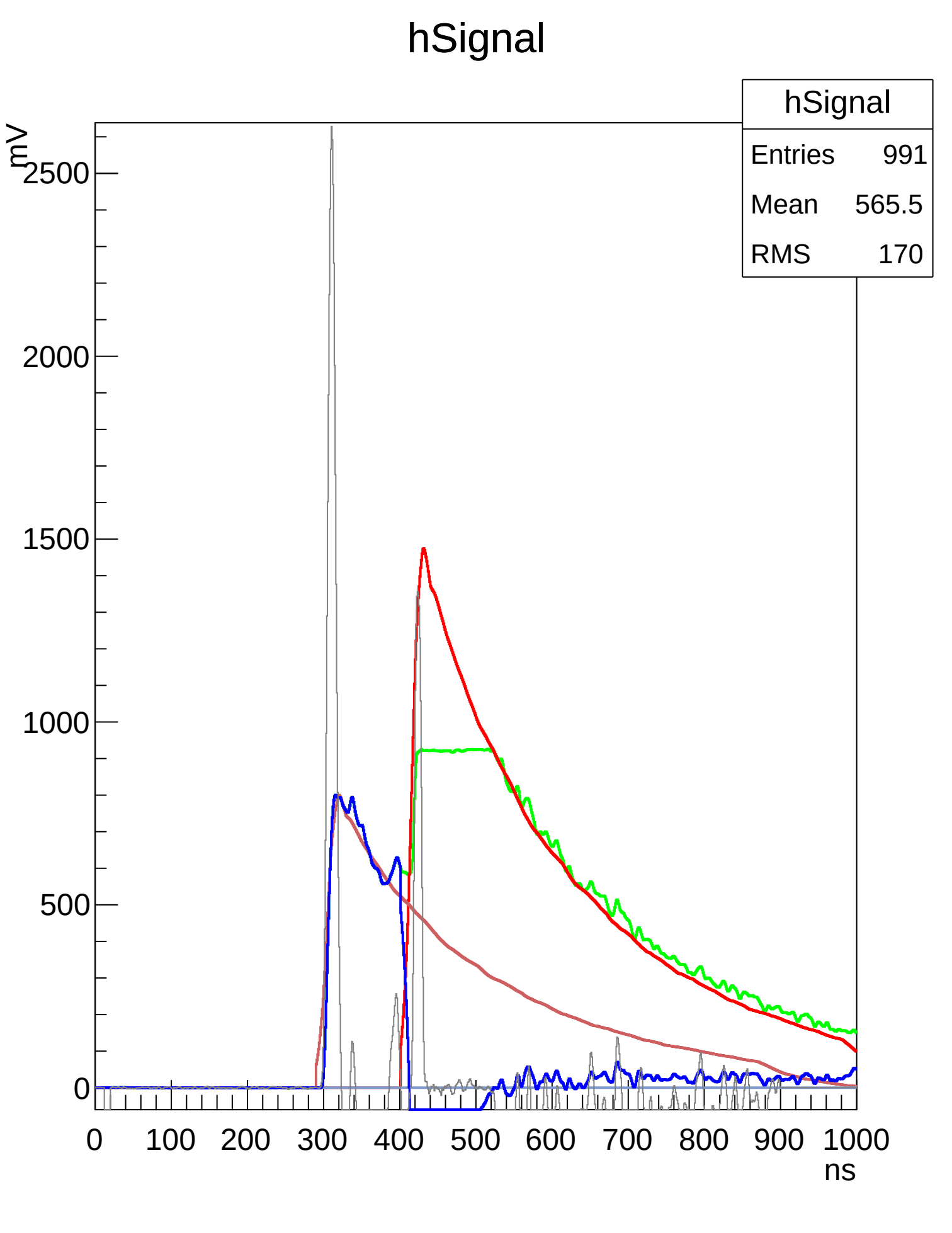

hSignal
hSignal
Entries 991
Mean 551.9
RMS 179.4
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

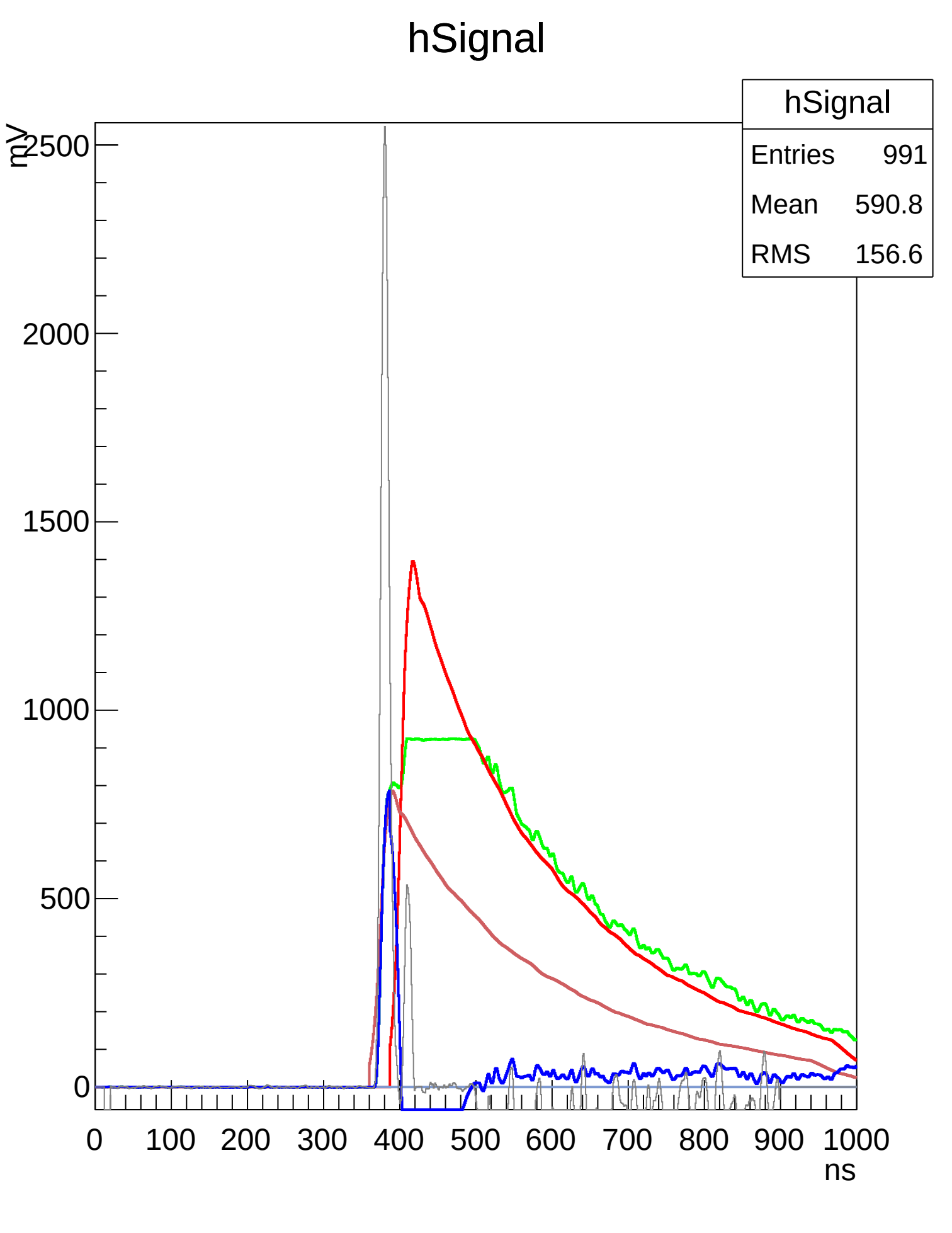

hSignal
hSignal
Entries 991
Mean 571.5
RMS 167.8
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

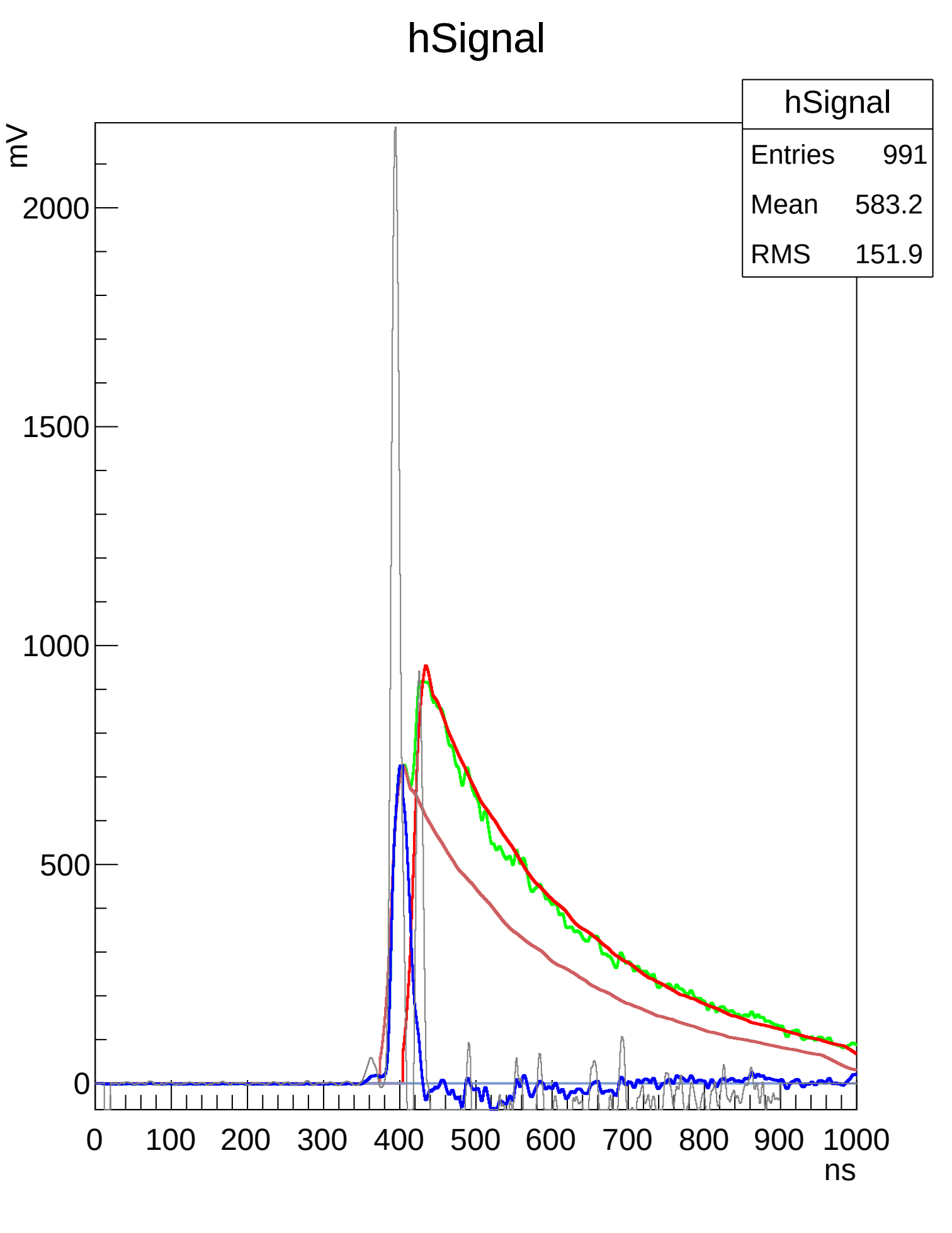

hSignal
hSignal
Entries 991
Mean 481.4
RMS 177.5
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

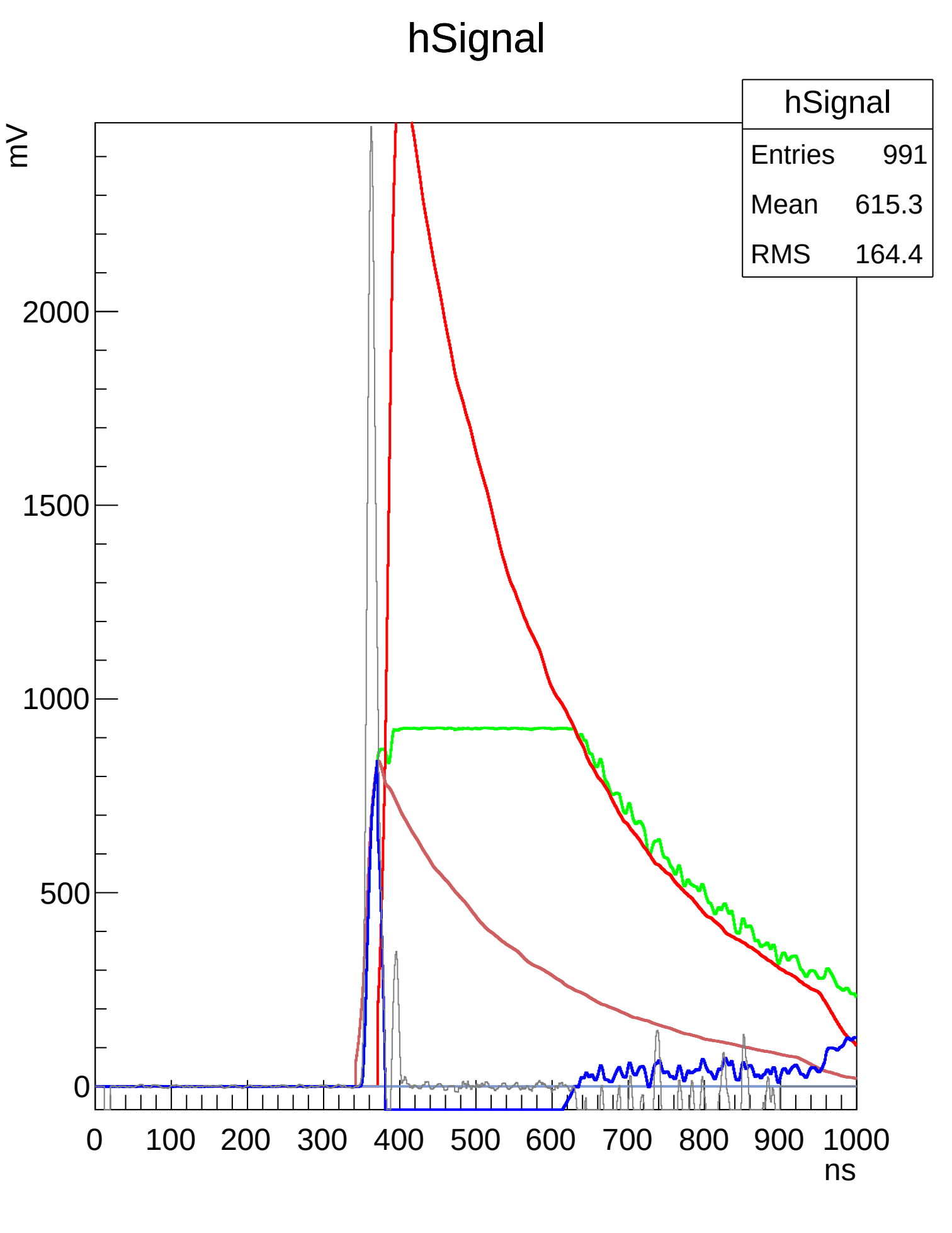

hSignal
hSignal
Entries 991
Mean 586.9
RMS 155.5
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

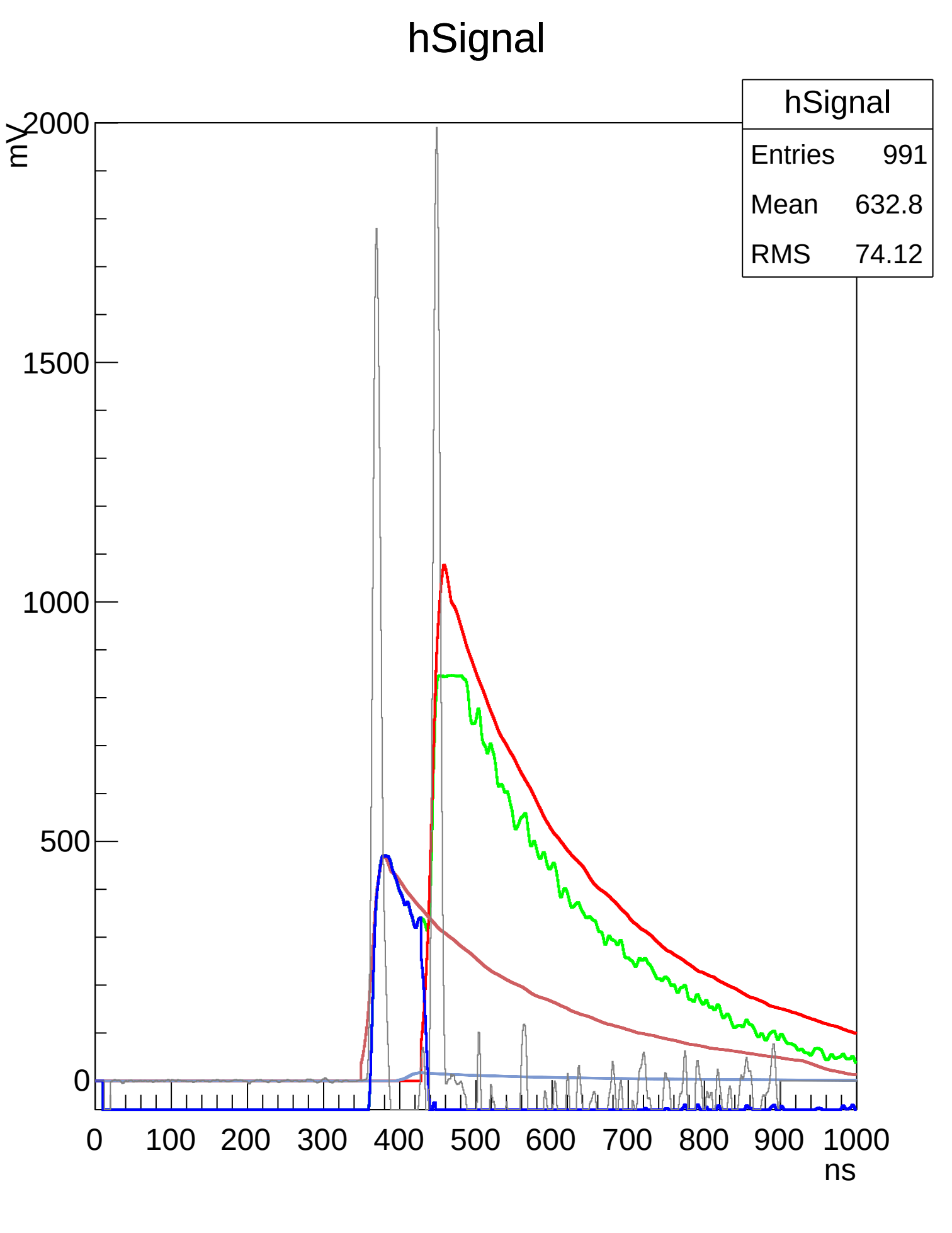

hSignal
hSignal
Entries 991
Mean 596.5
RMS 170.4
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

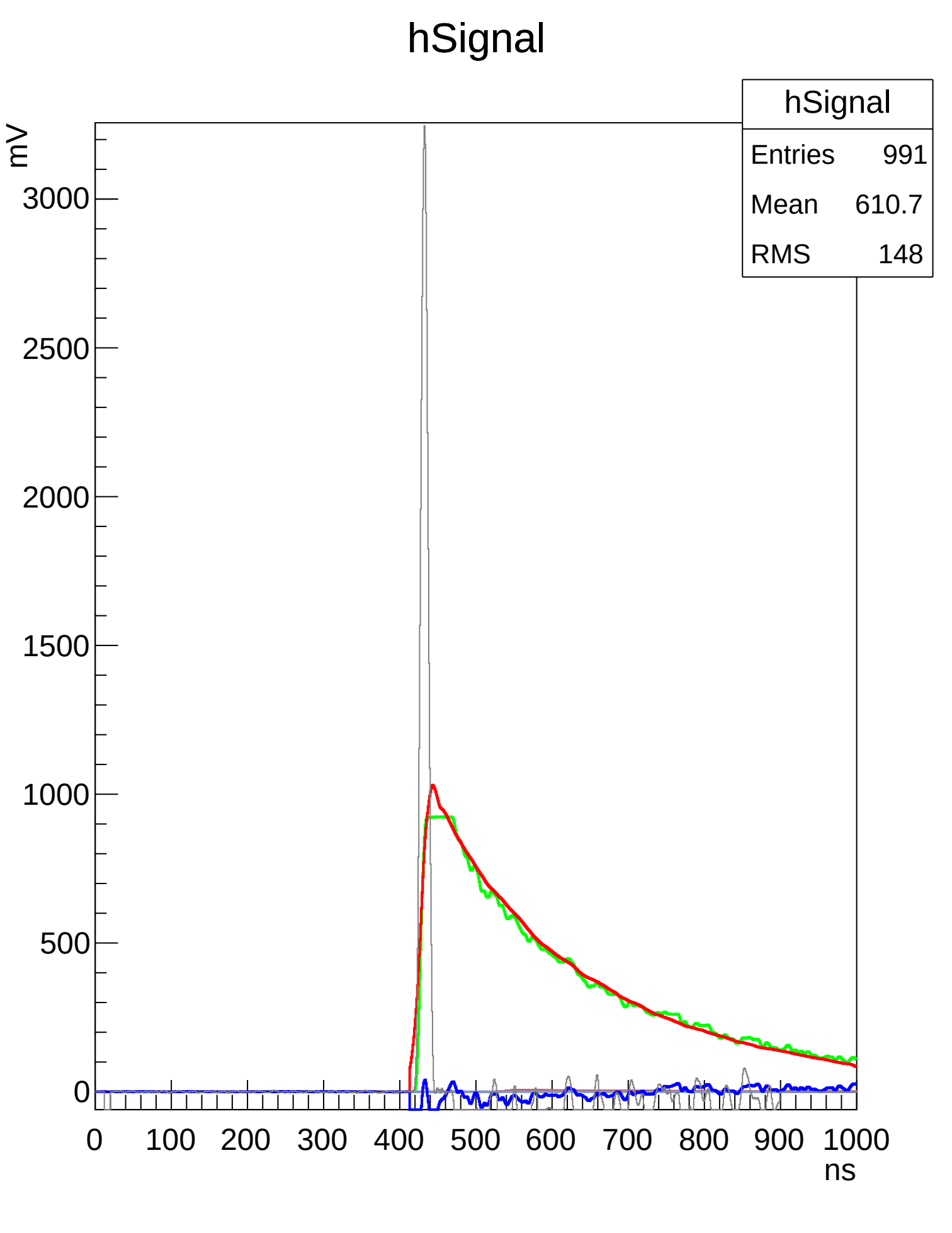

hSignal
hSignal
Entries 991
Mean 565.5
RMS 170
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

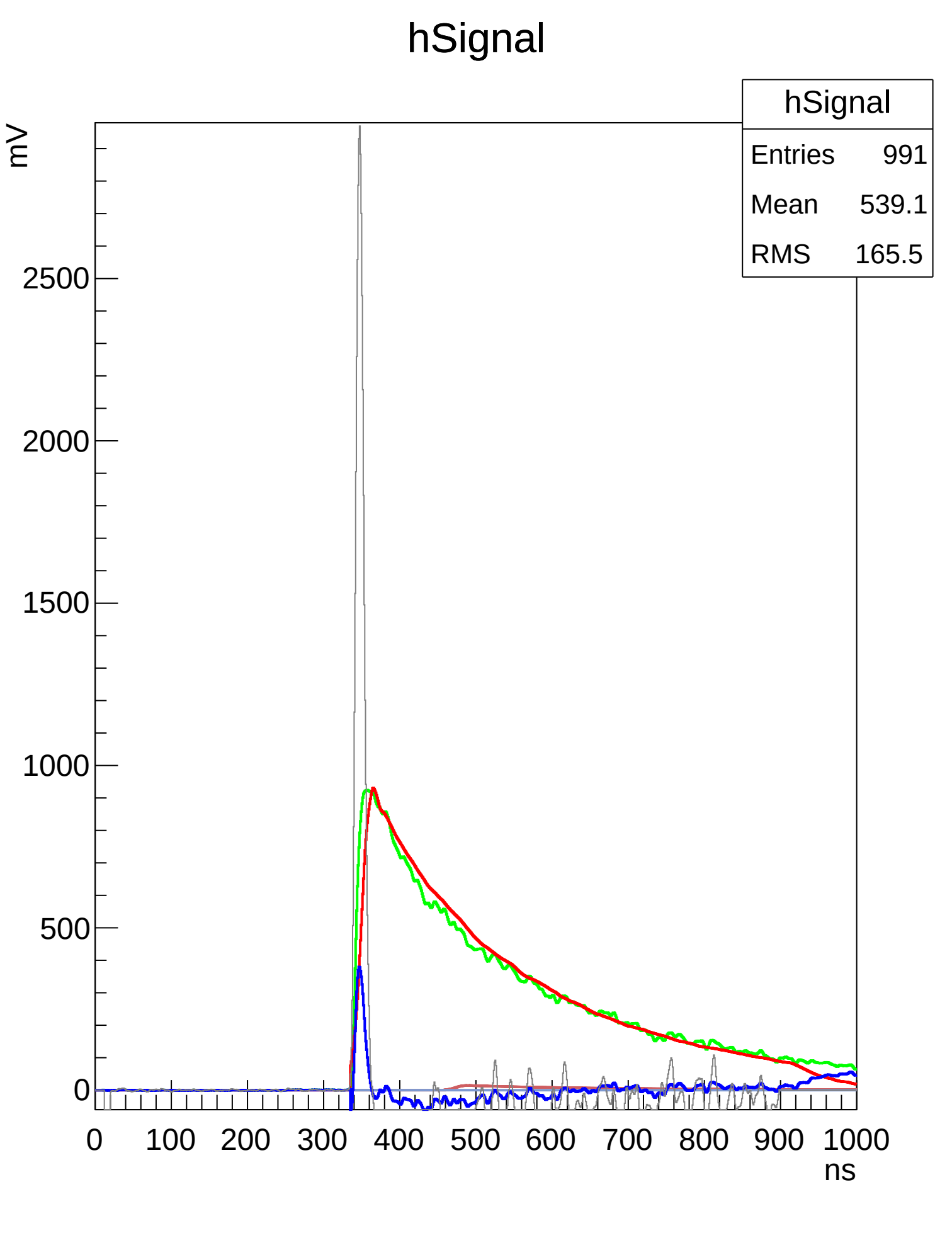

hSignal
hSignal
Entries 991
Mean 590.8
RMS 156.6
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

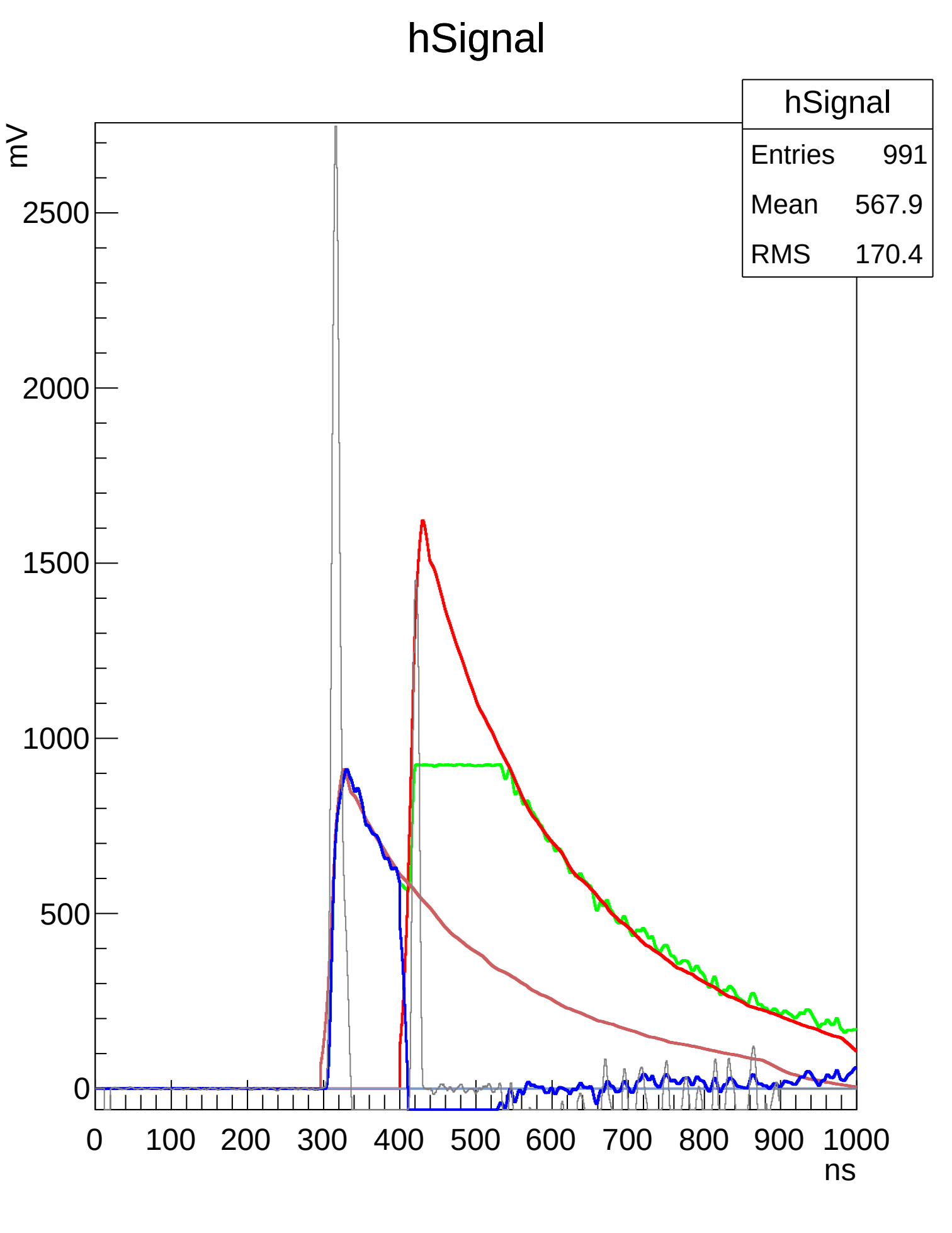

hSignal
hSignal
Entries 991
Mean 583.2
RMS 151.9
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

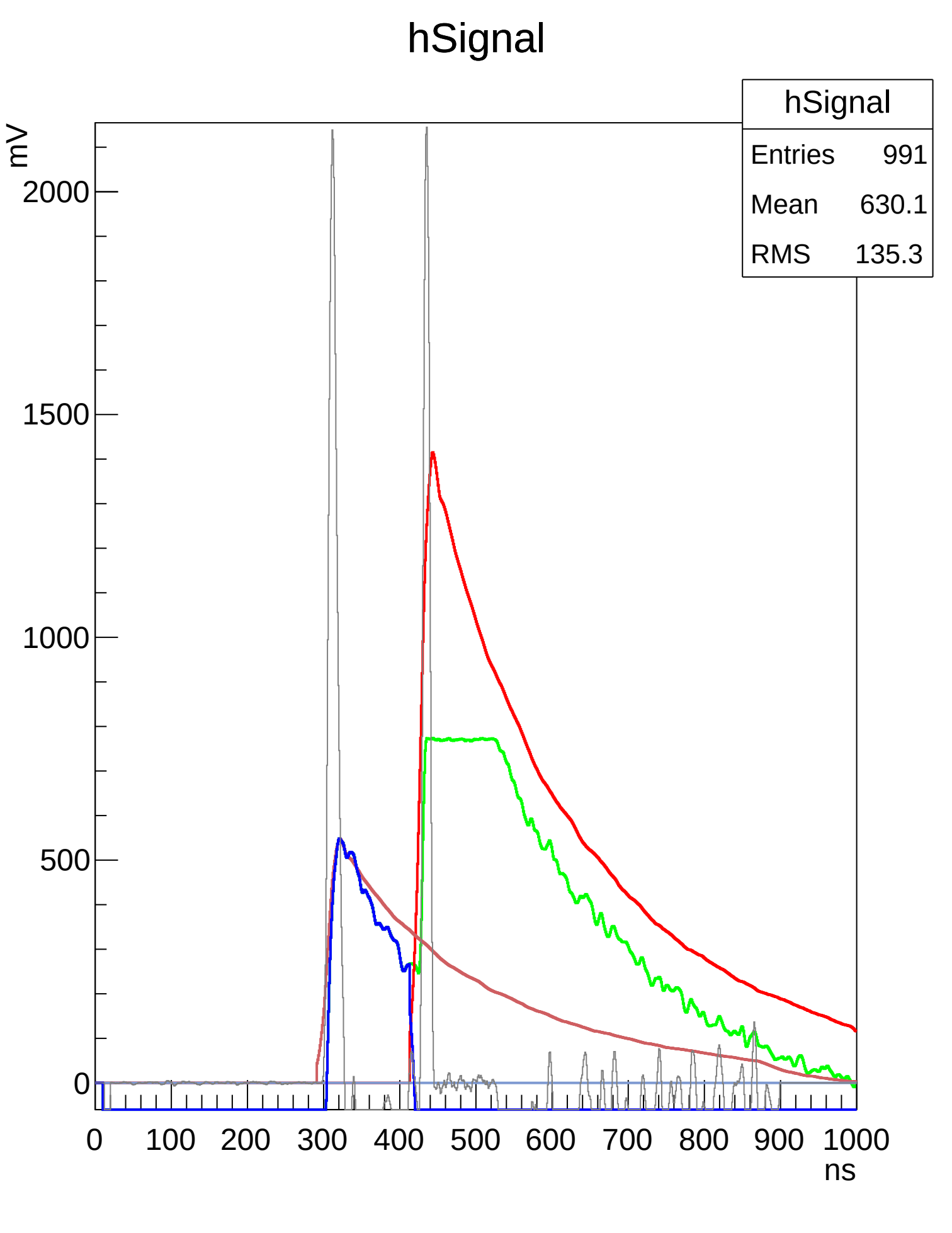

hSignal
hSignal
Entries 991
Mean 615.3
RMS 164.4
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

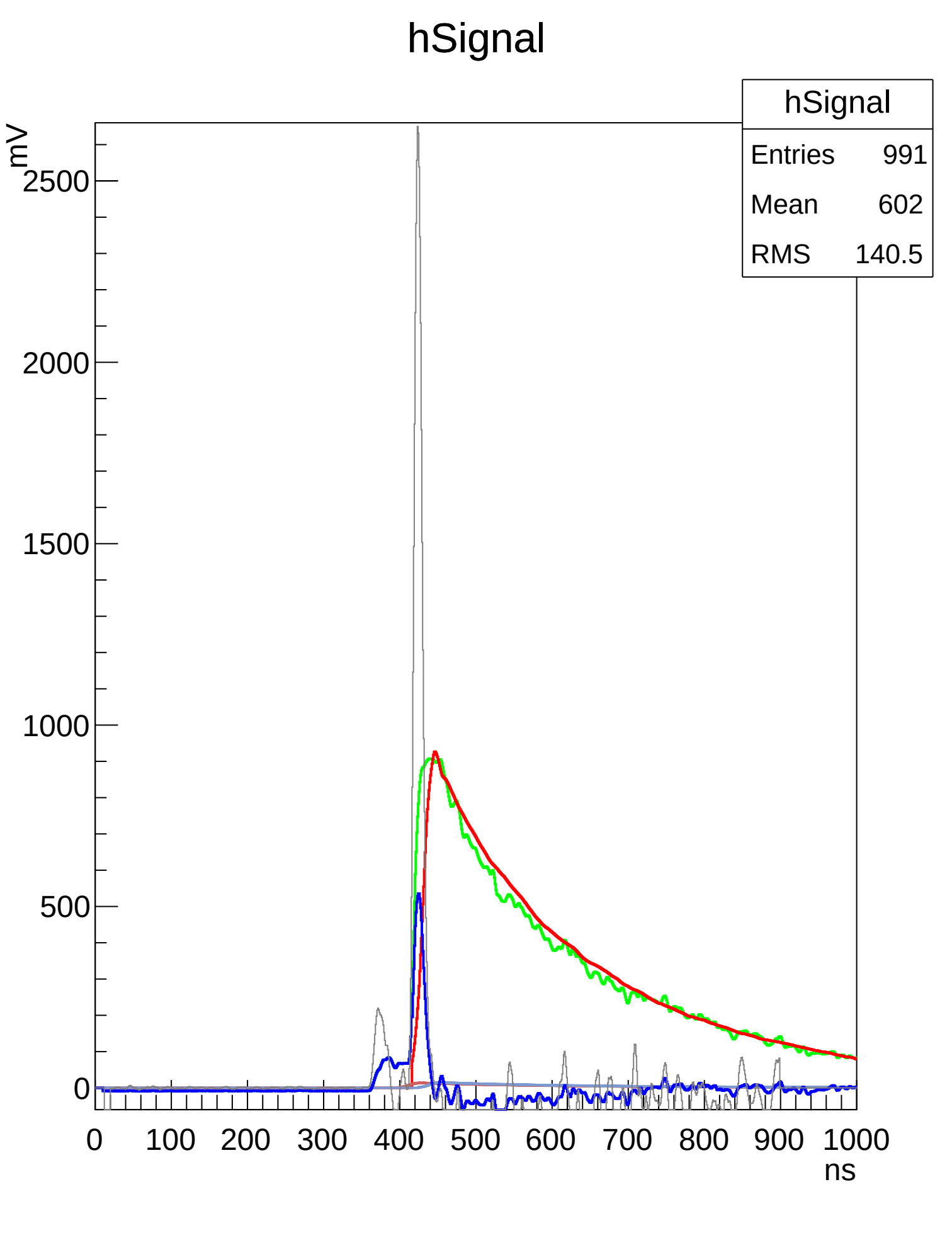

hSignal
hSignal
Entries 991
Mean 632.8
RMS 74.12
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

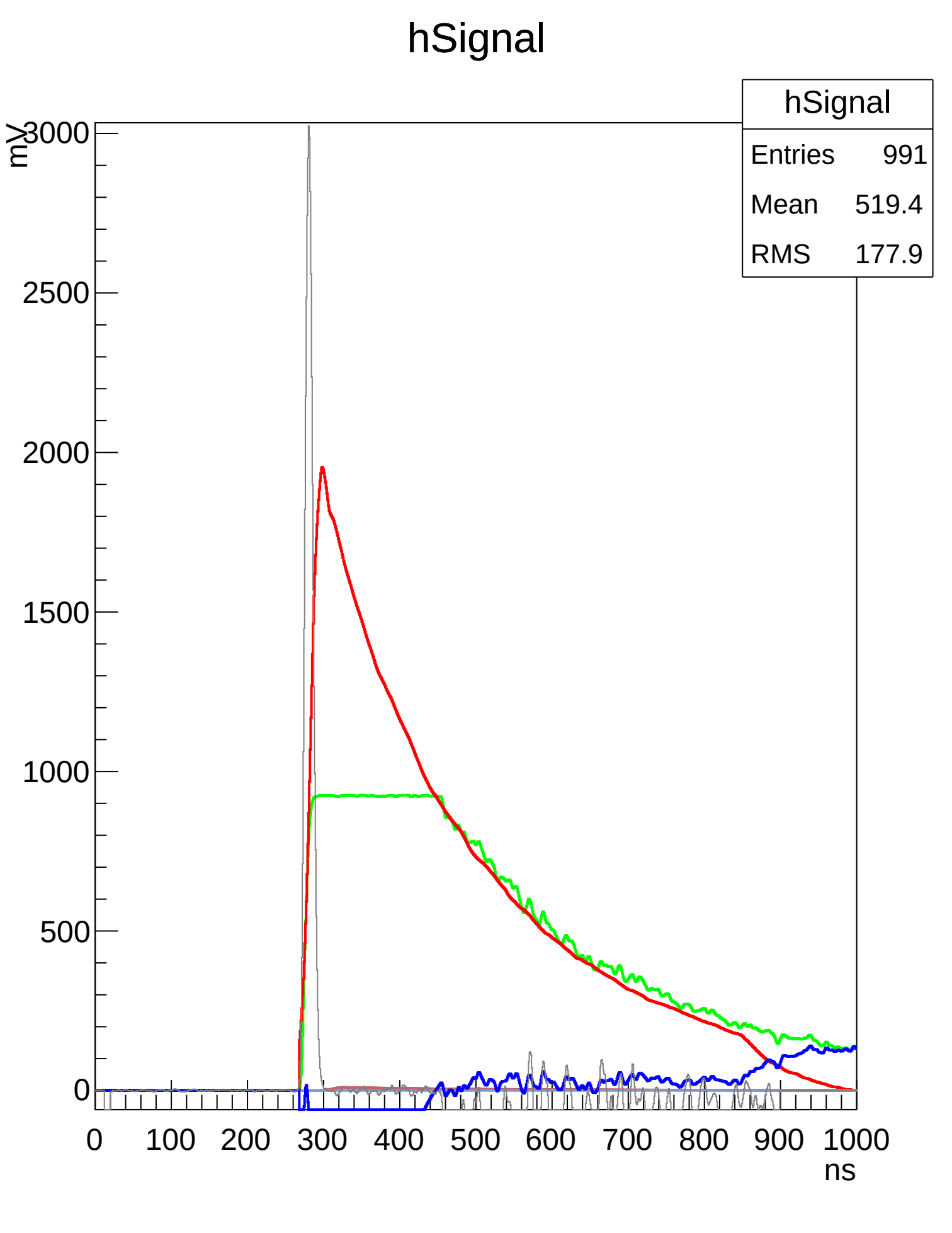

hSignal
hSignal
Entries 991
Mean 610.7
RMS 148
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

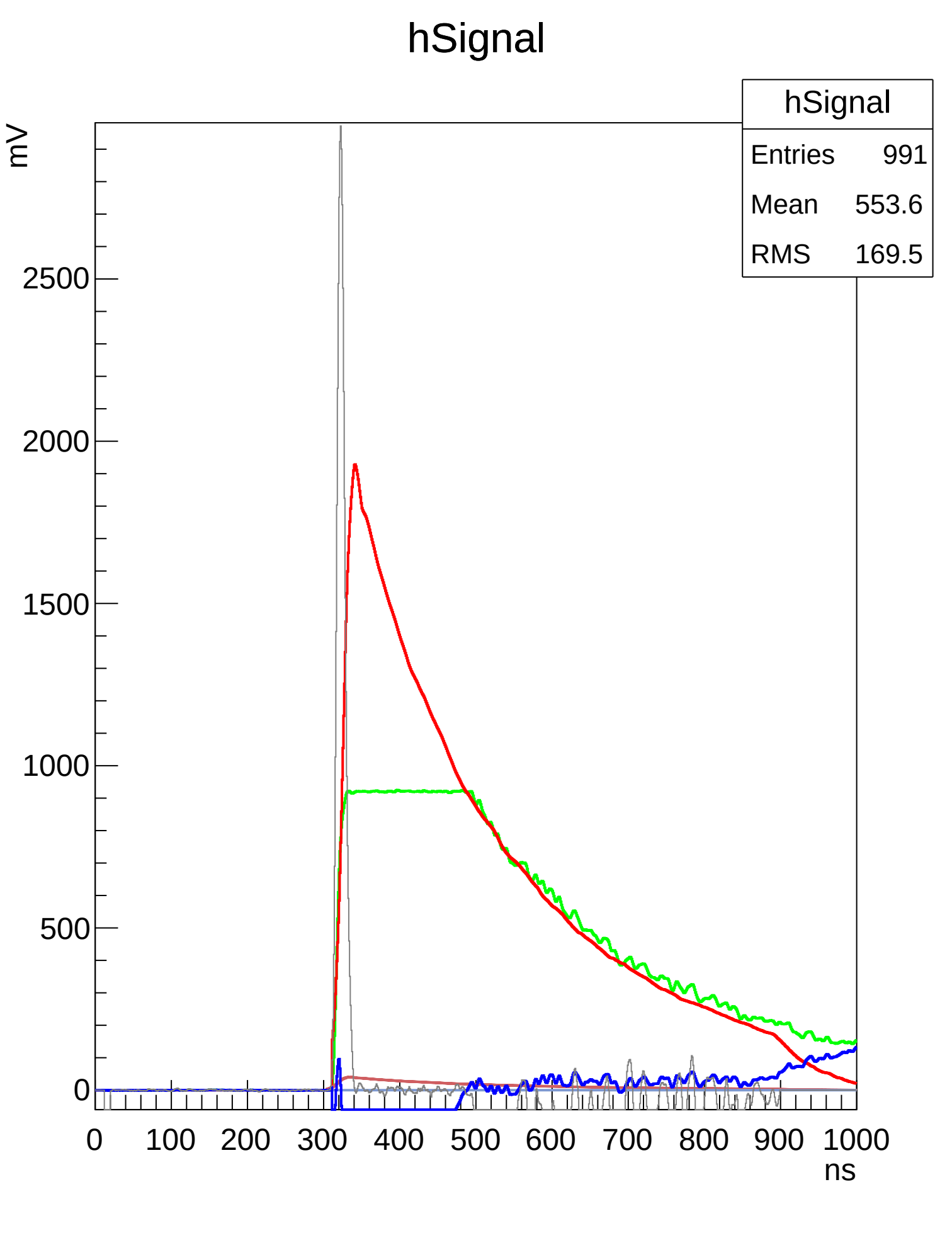

hSignal
hSignal
Entries 991
Mean 539.1
RMS 165.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

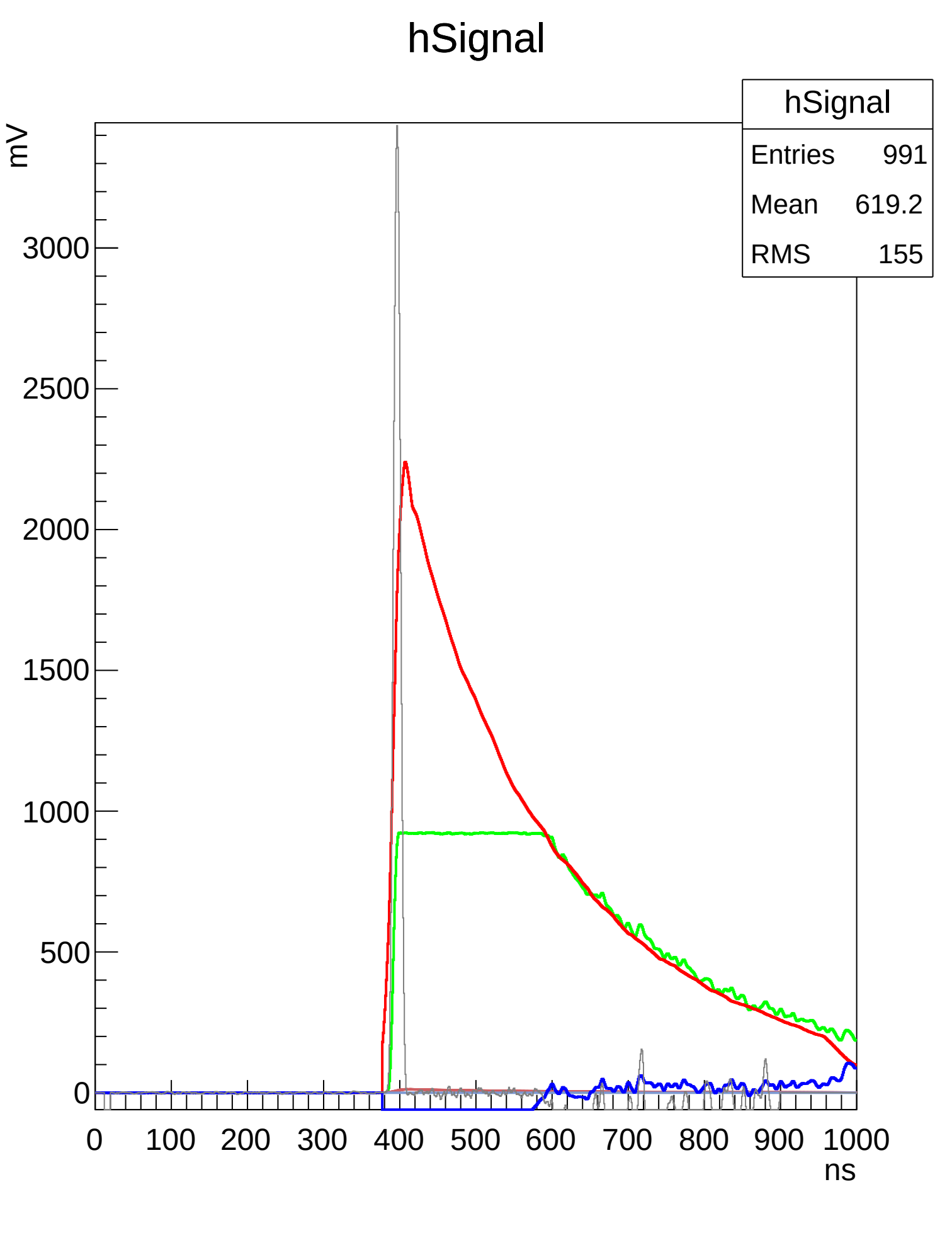

hSignal
hSignal
Entries 991
Mean 567.9
RMS 170.4
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

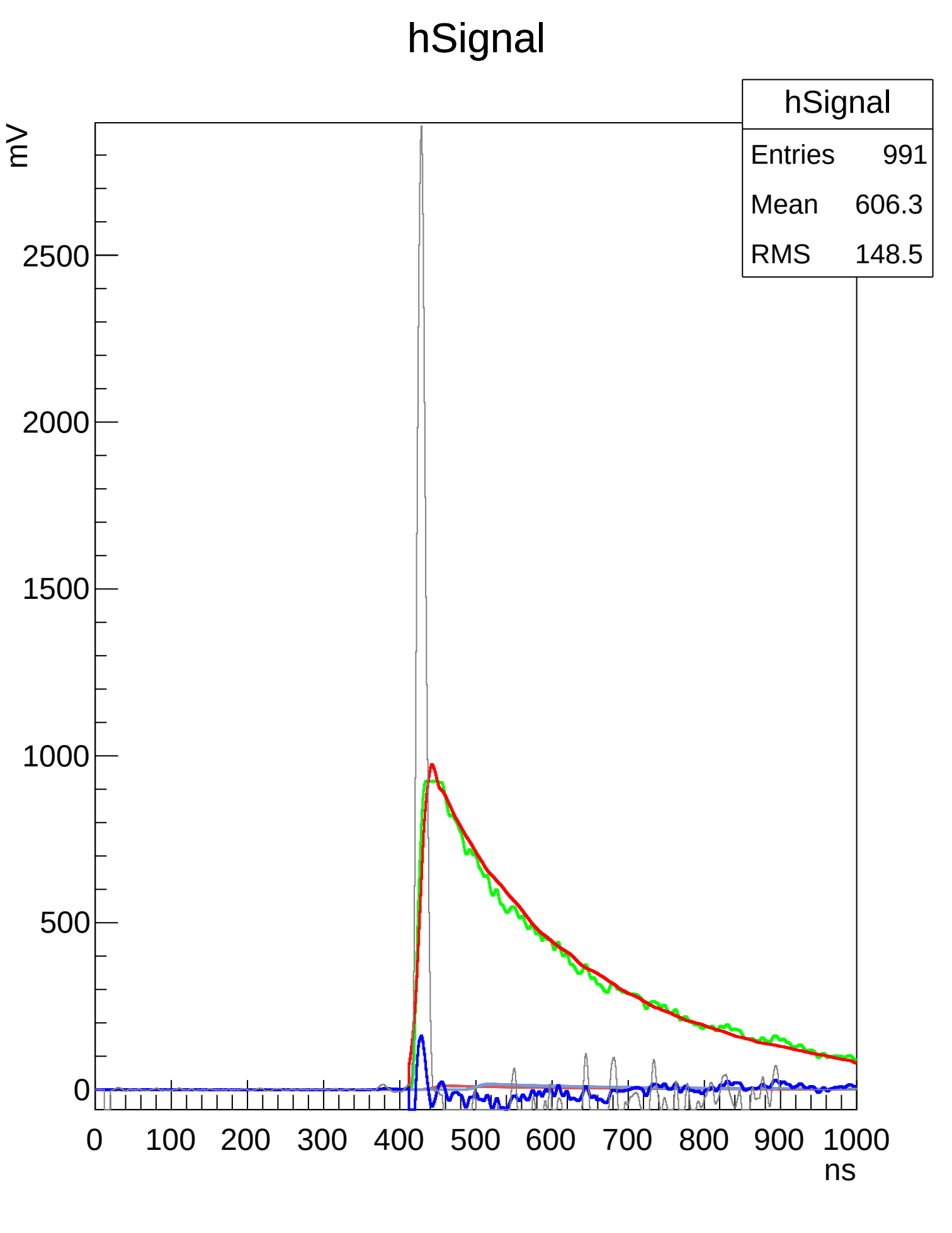

hSignal
hSignal
Entries 991
Mean 630.1
RMS 135.3
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

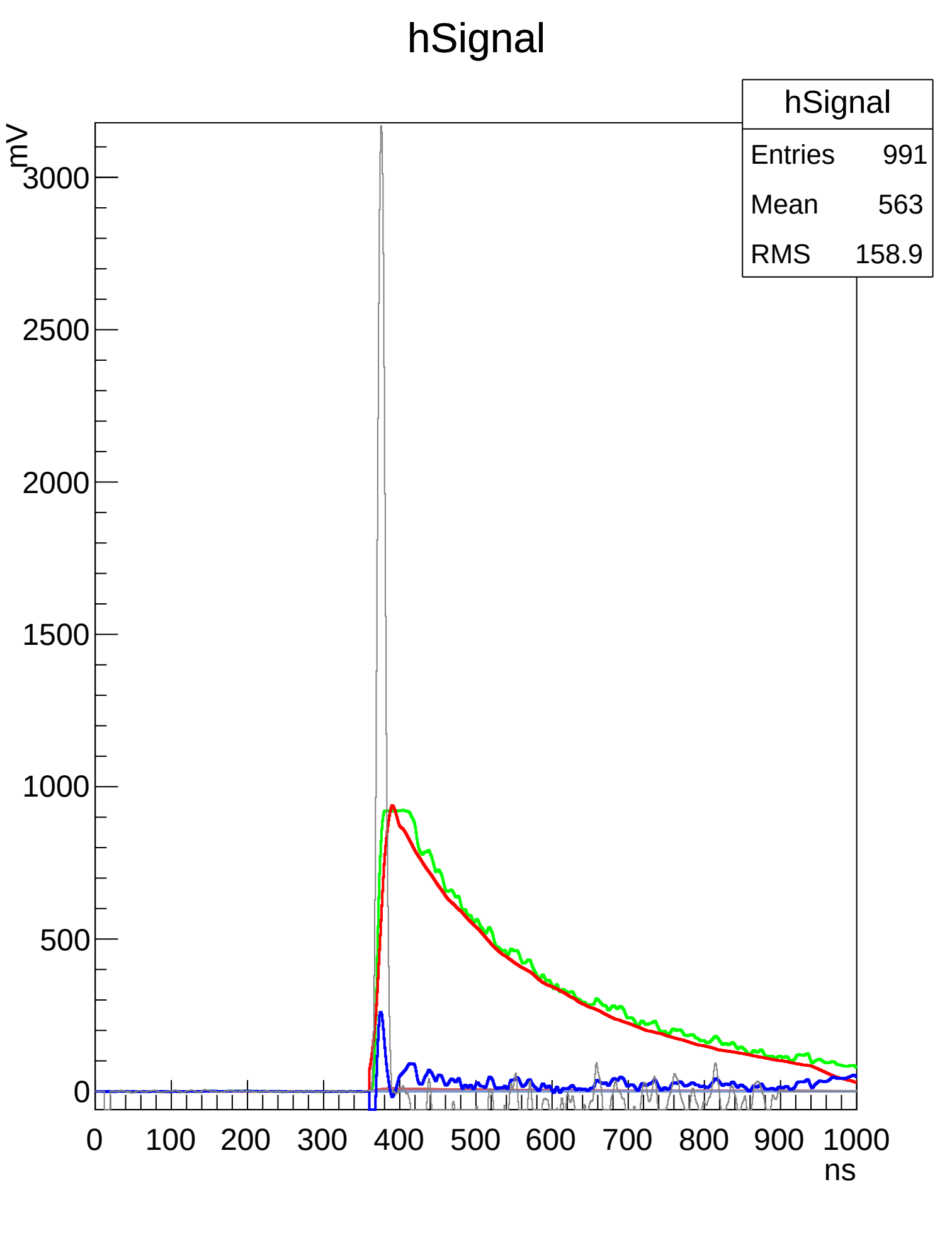

hSignal
hSignal
Entries 991
Mean 602
RMS 140.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

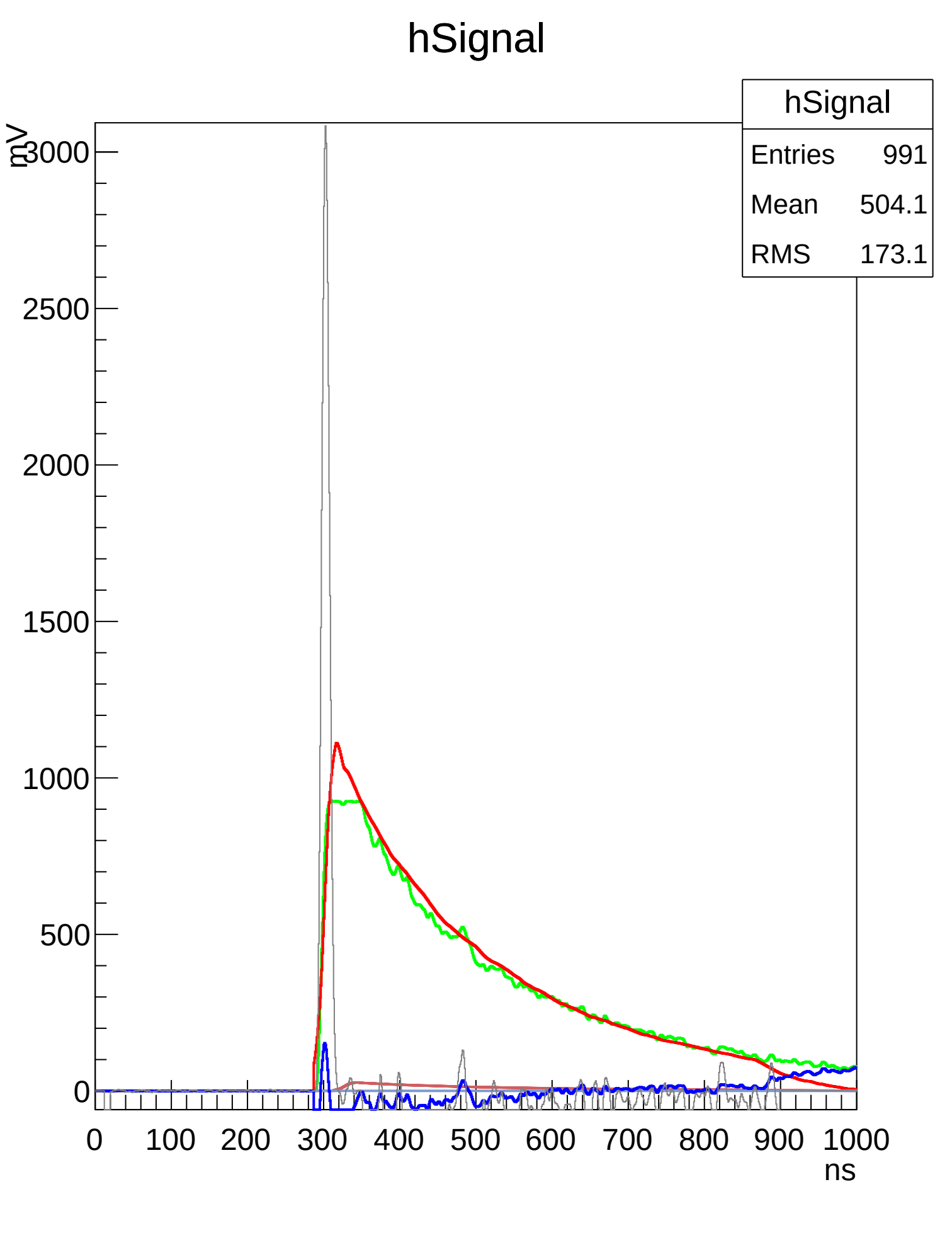

hSignal
hSignal
Entries 991
Mean 519.4
RMS 177.9
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

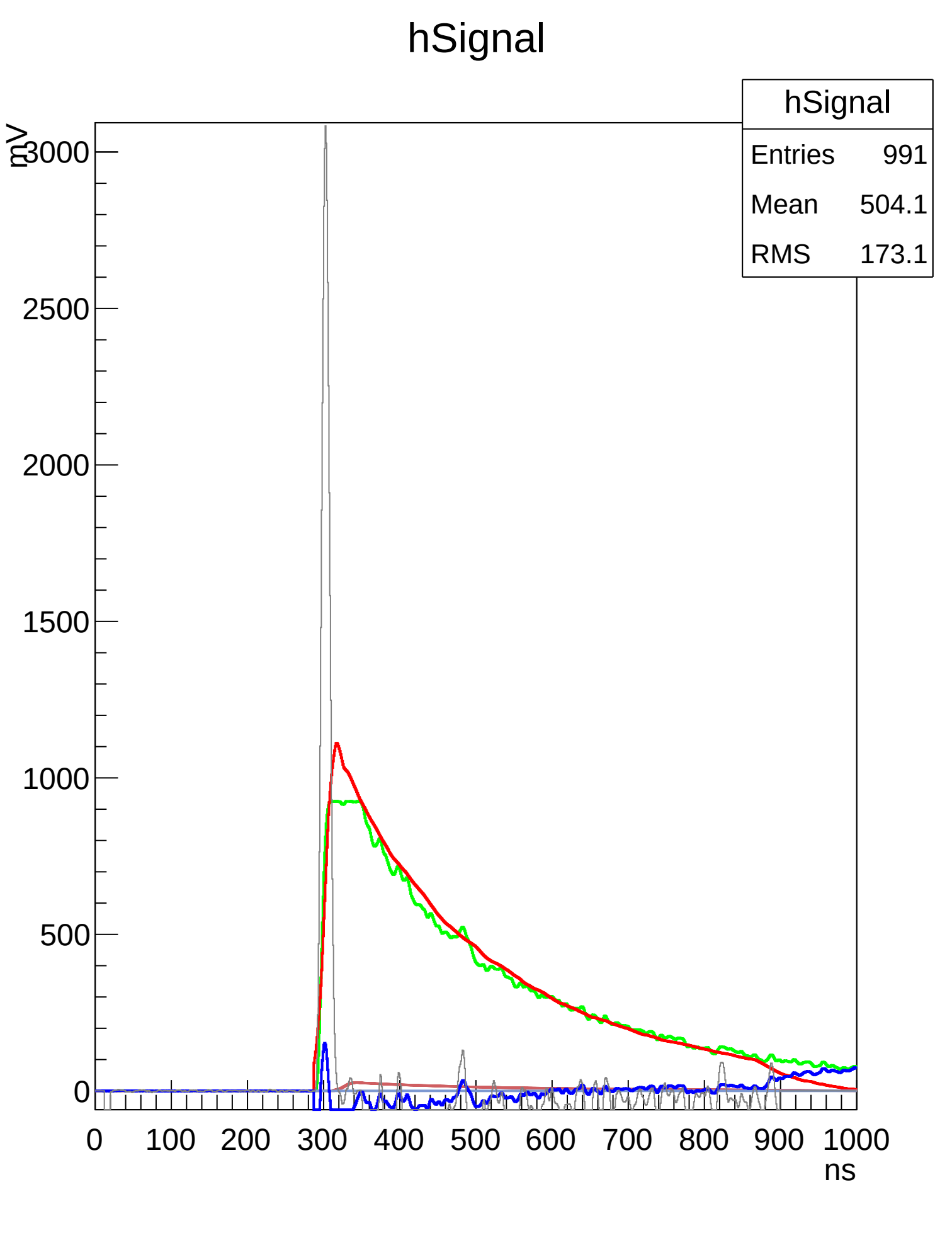

hSignal
hSignal
Entries 991
Mean 553.6
RMS 169.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 619.2
RMS 155
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 606.3
RMS 148.5
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 563
RMS 158.9
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 504.1
RMS 173.1
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 504.1
RMS 173.1
mV
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns