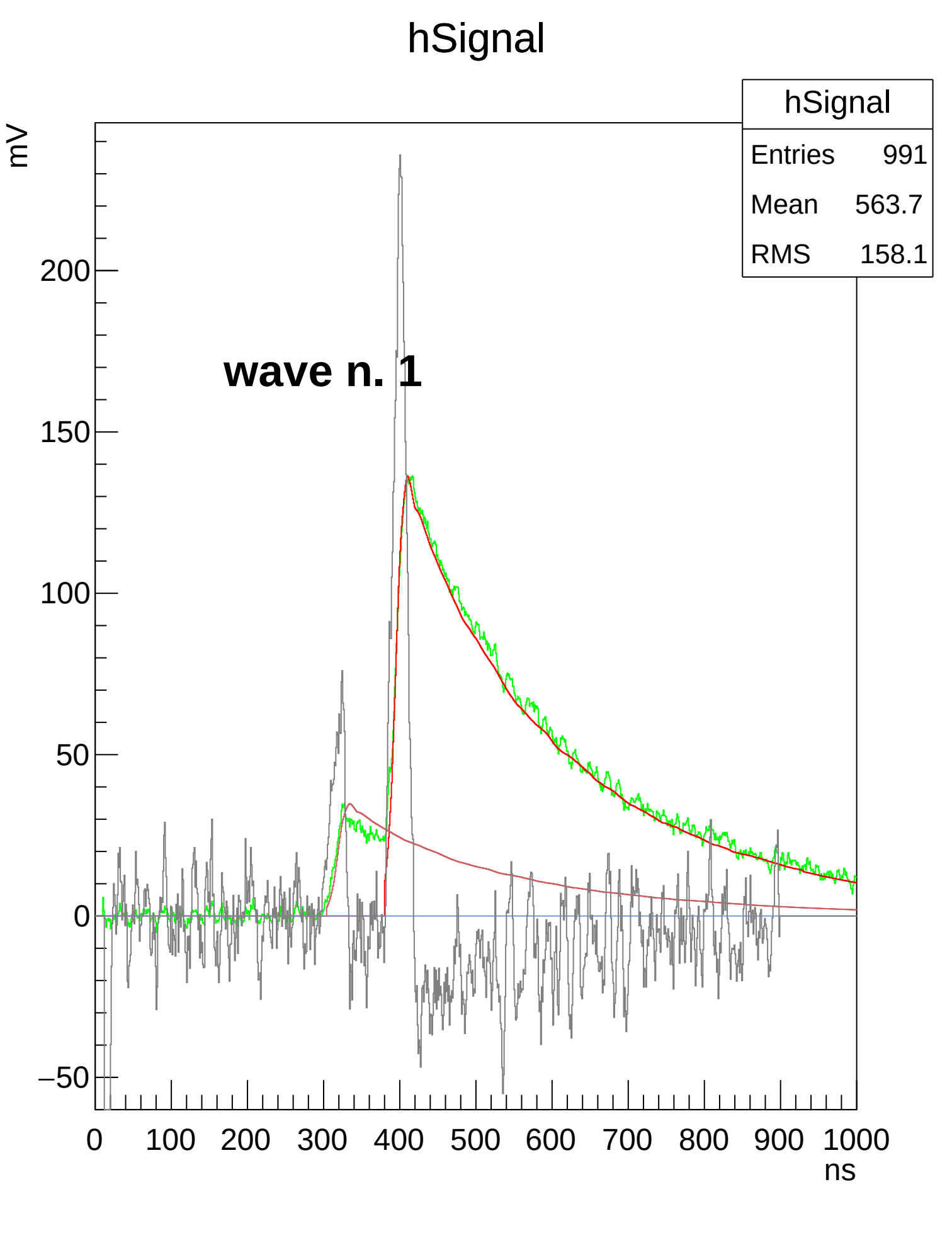
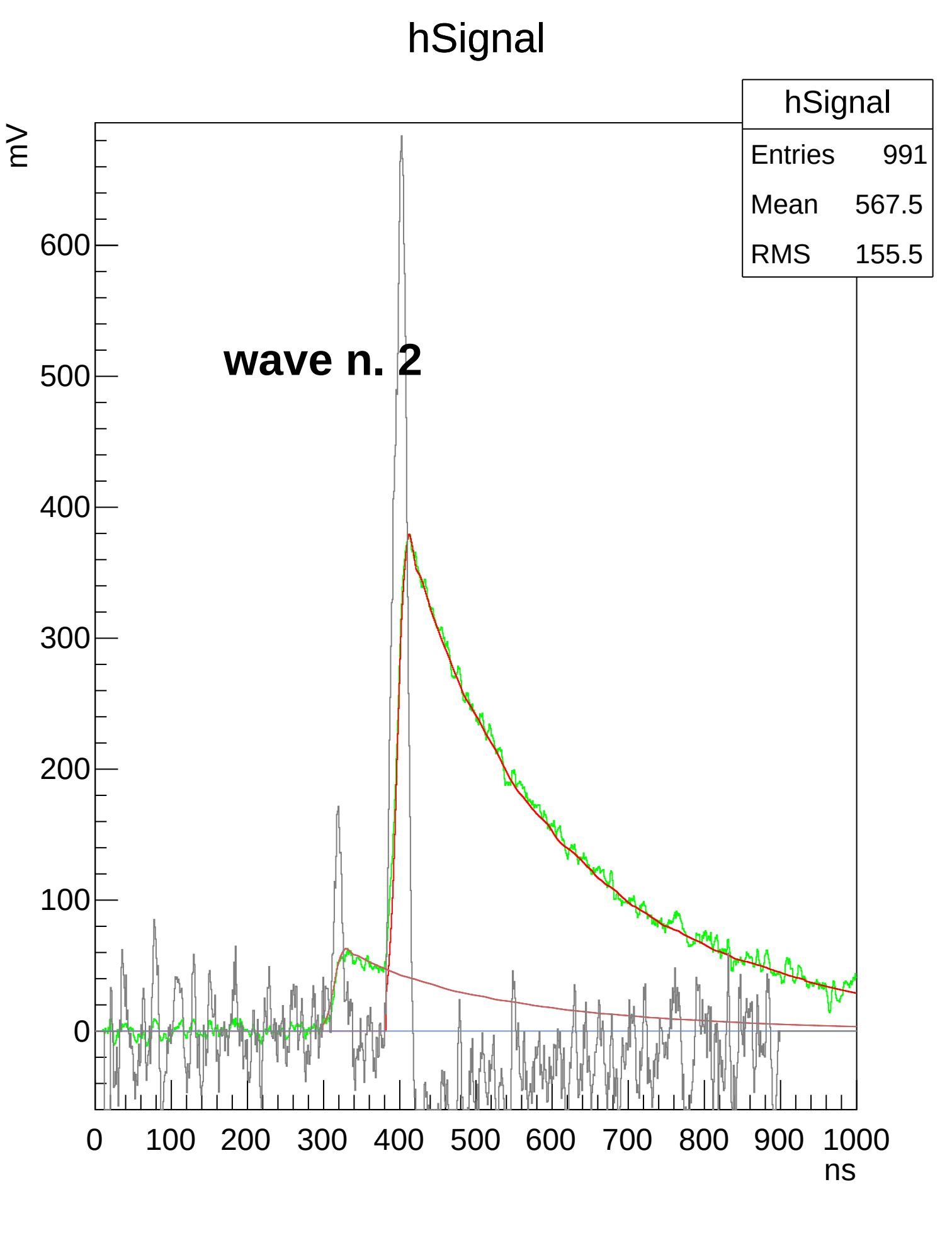
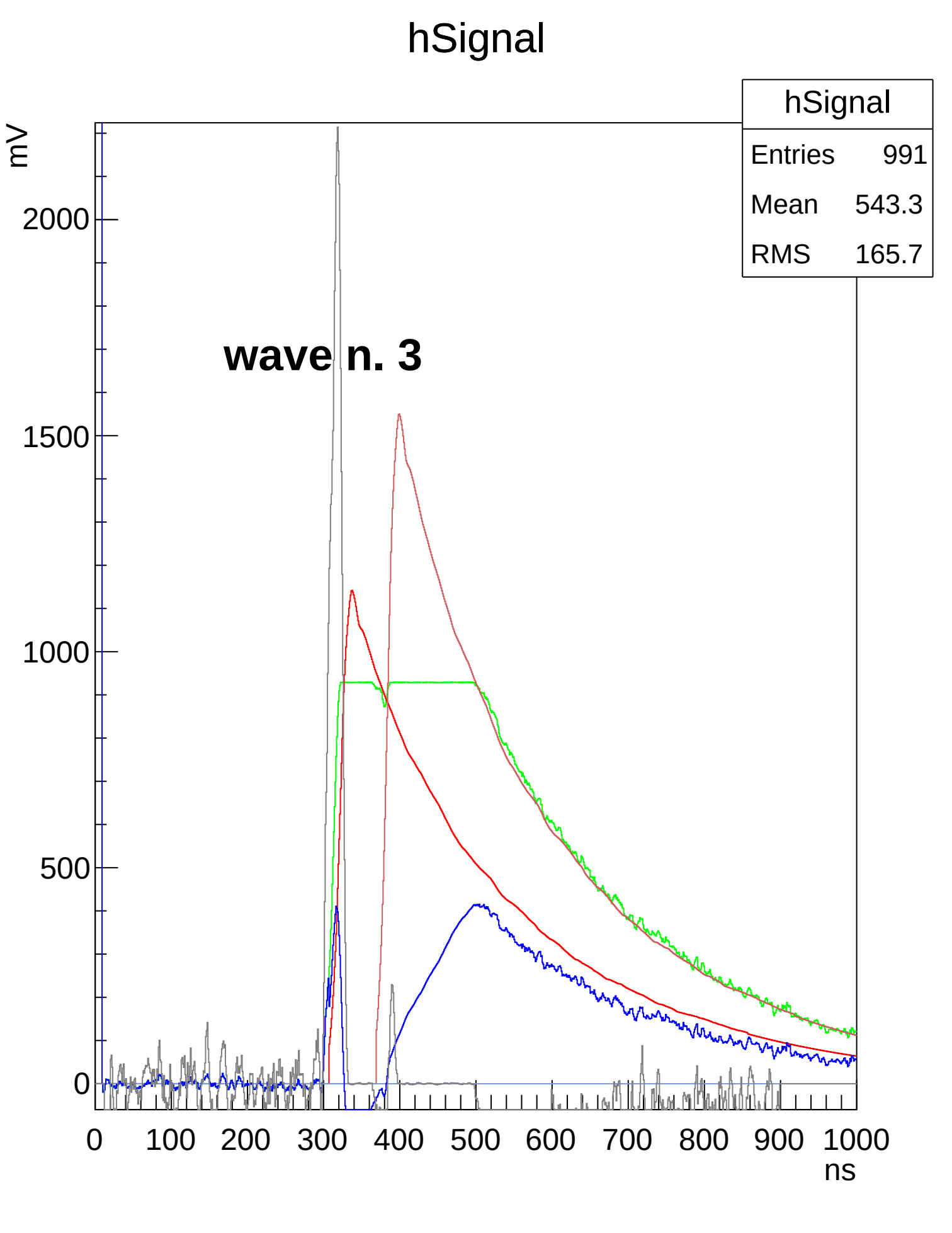
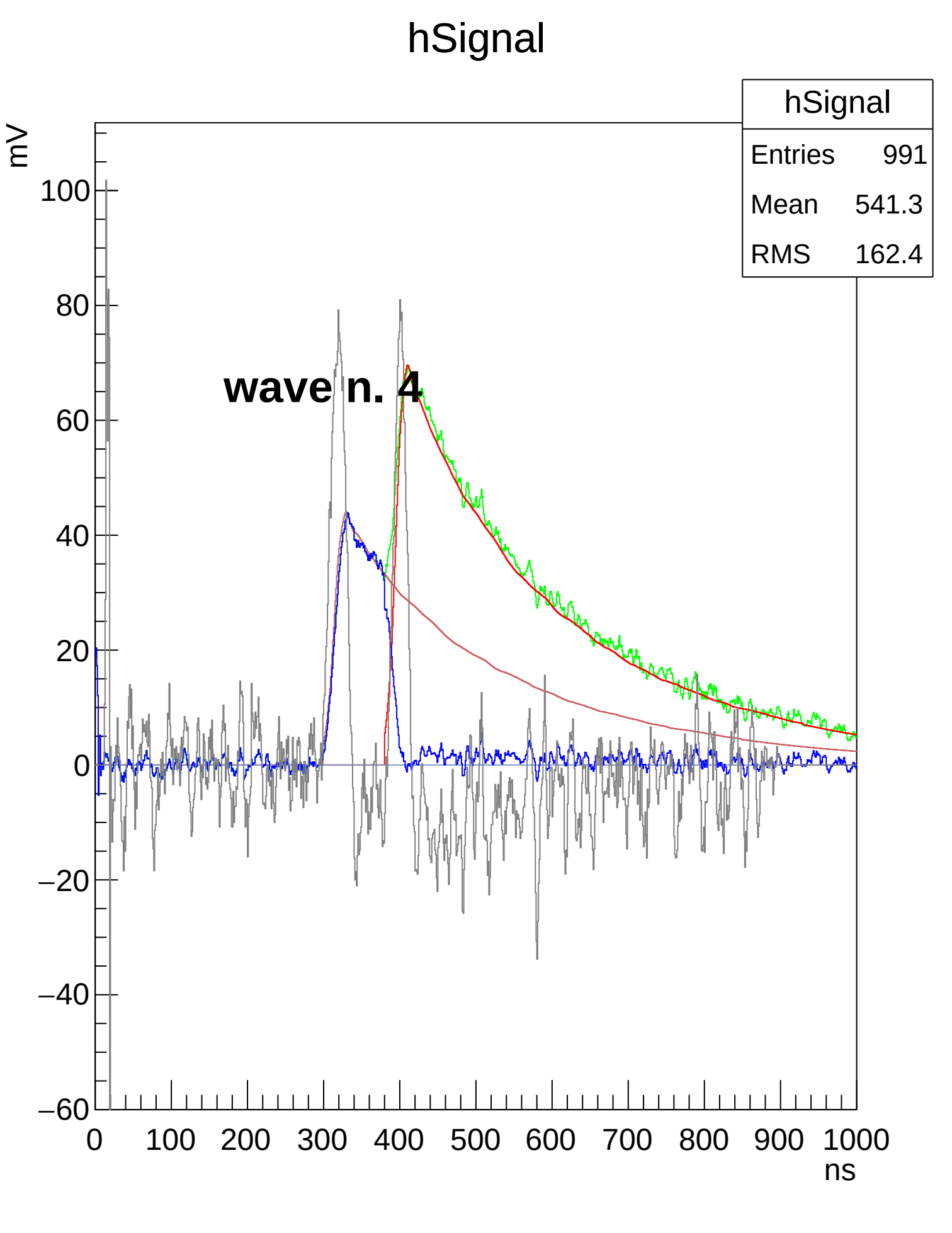
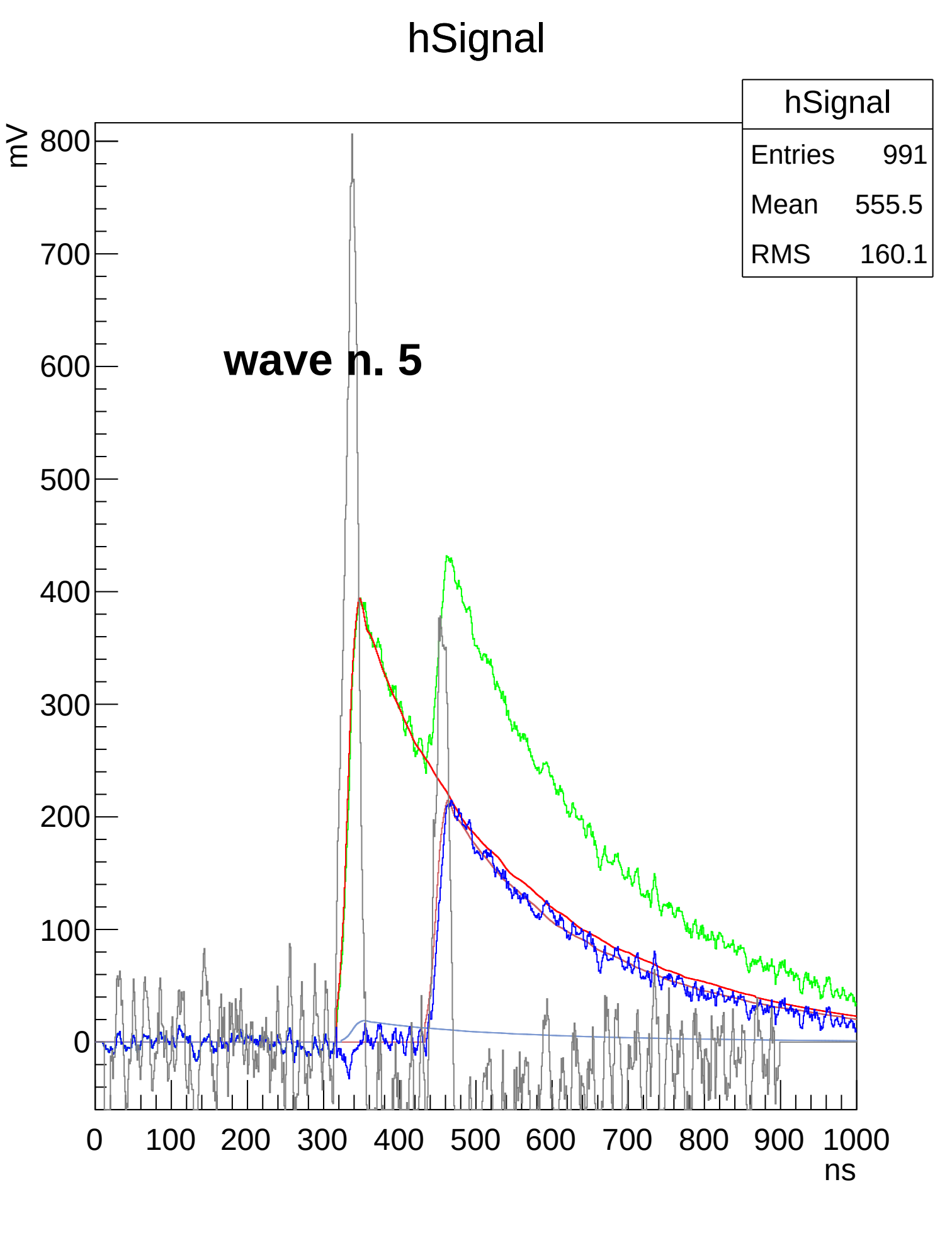
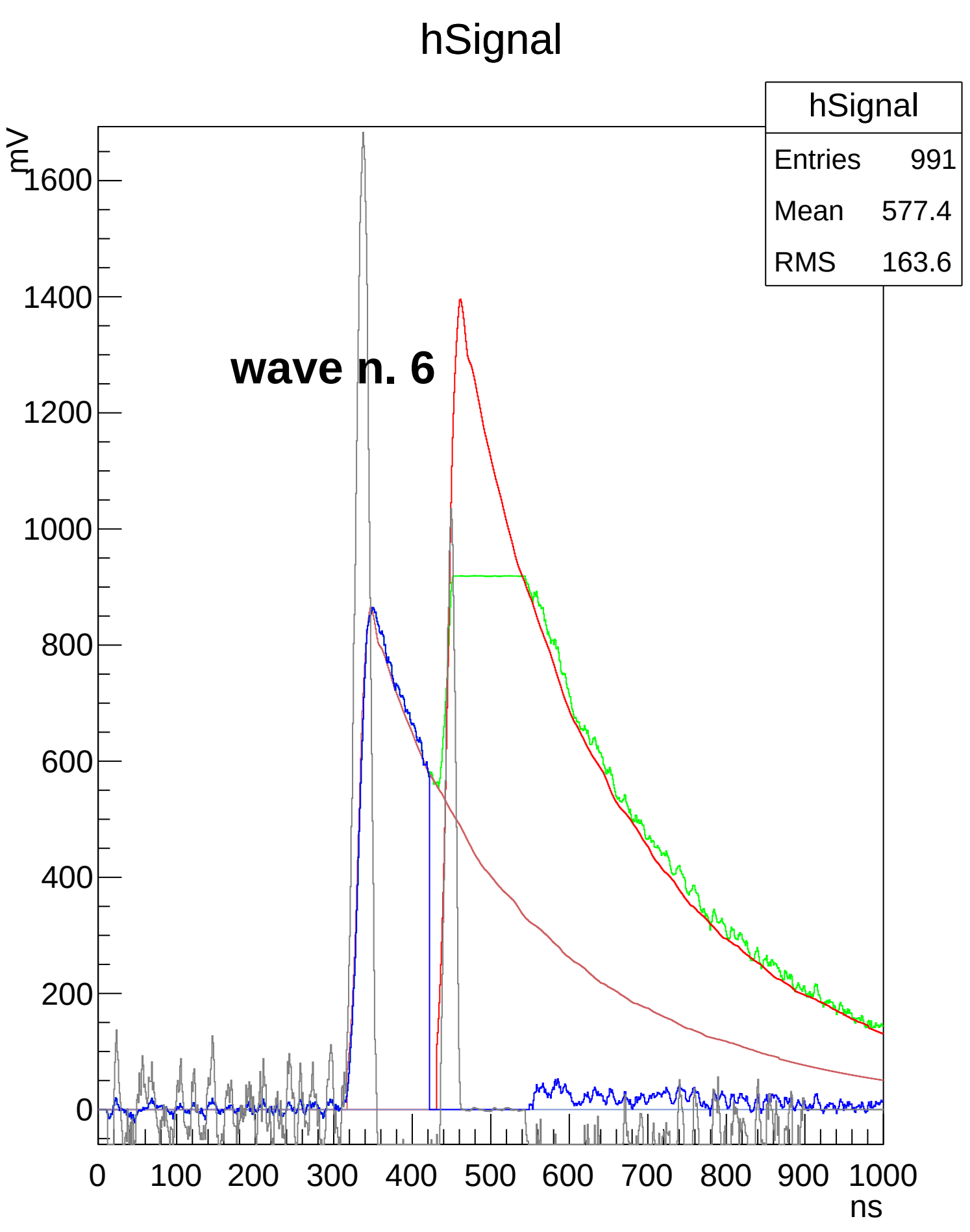

hSignal
hSignal
Entries 991
Mean 563.7
RMS 158.1
wave n. 1
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

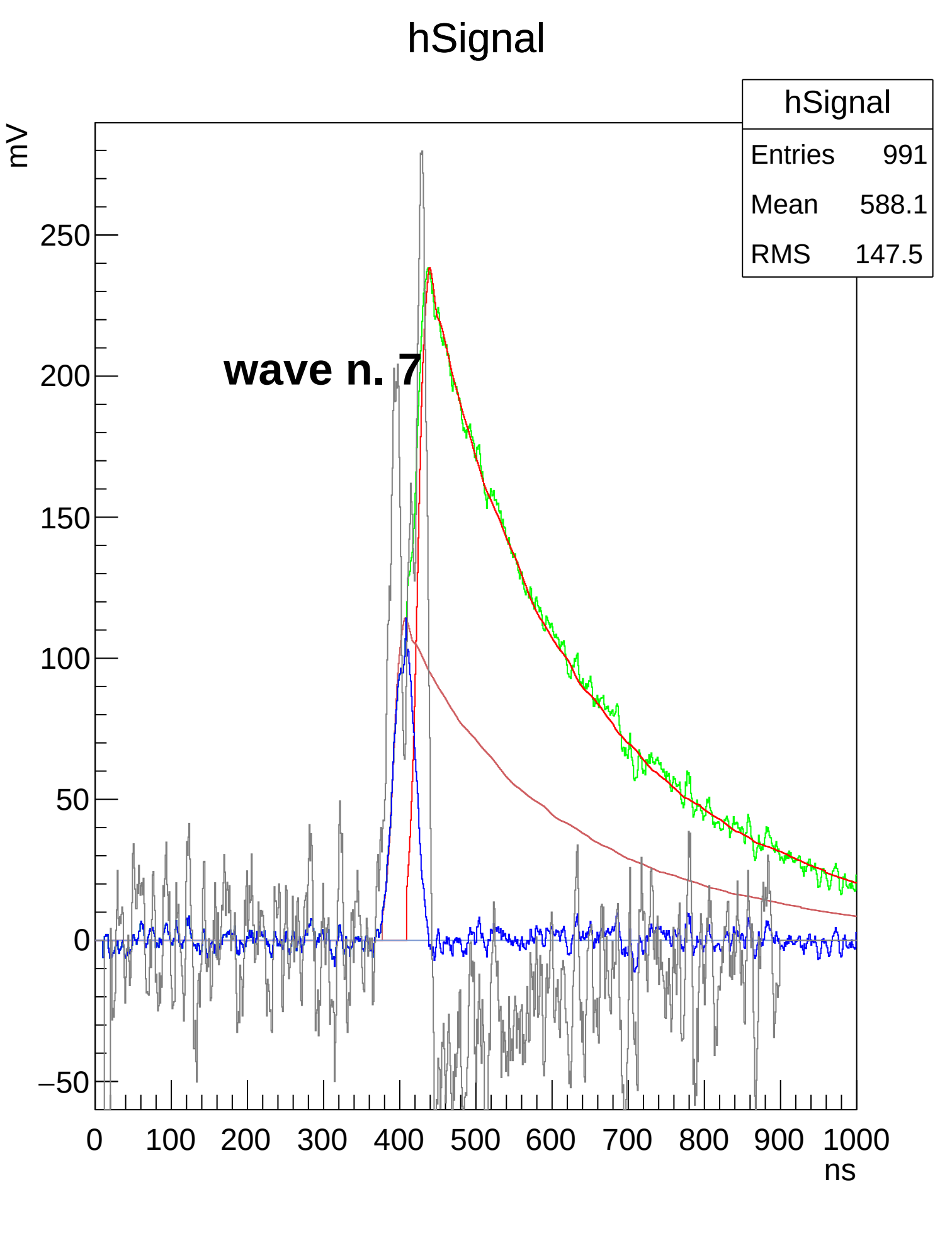

hSignal
hSignal
Entries 991
Mean 567.5
RMS 155.5
wave n. 2
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

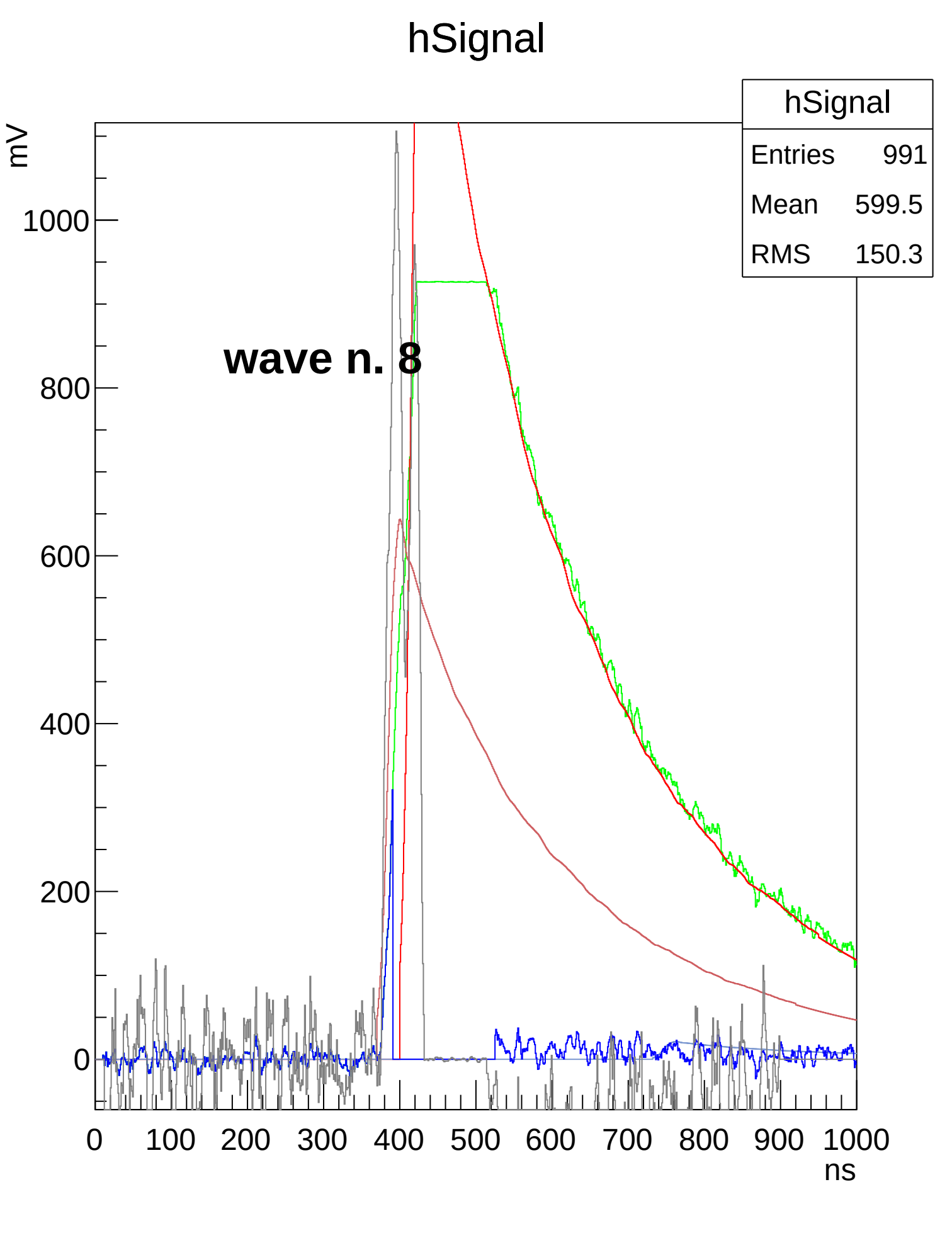

hSignal
hSignal
Entries 991
Mean 543.3
RMS 165.7
wave n. 3
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

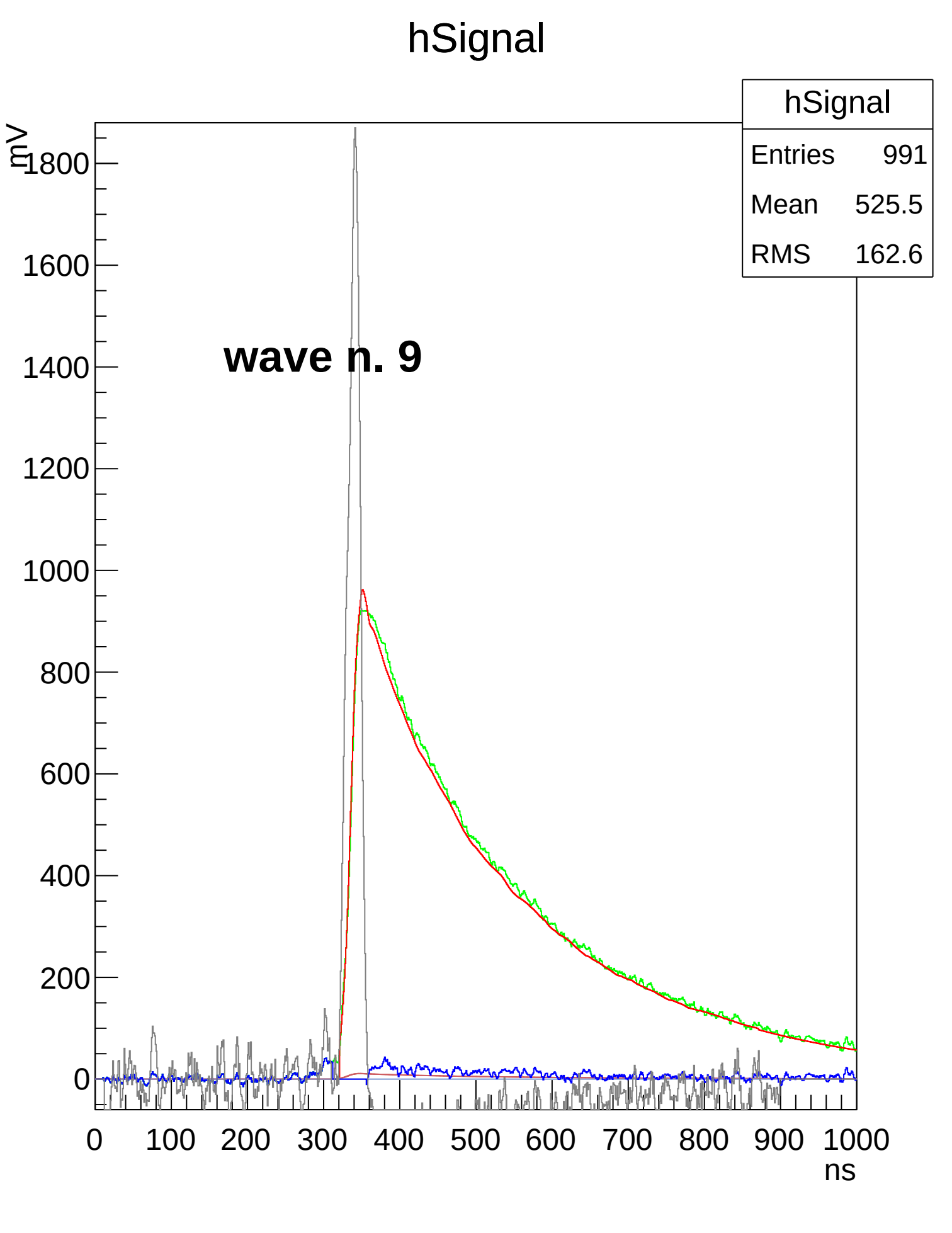

hSignal
hSignal
Entries 991
Mean 541.3
RMS 162.4
wave n. 4
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

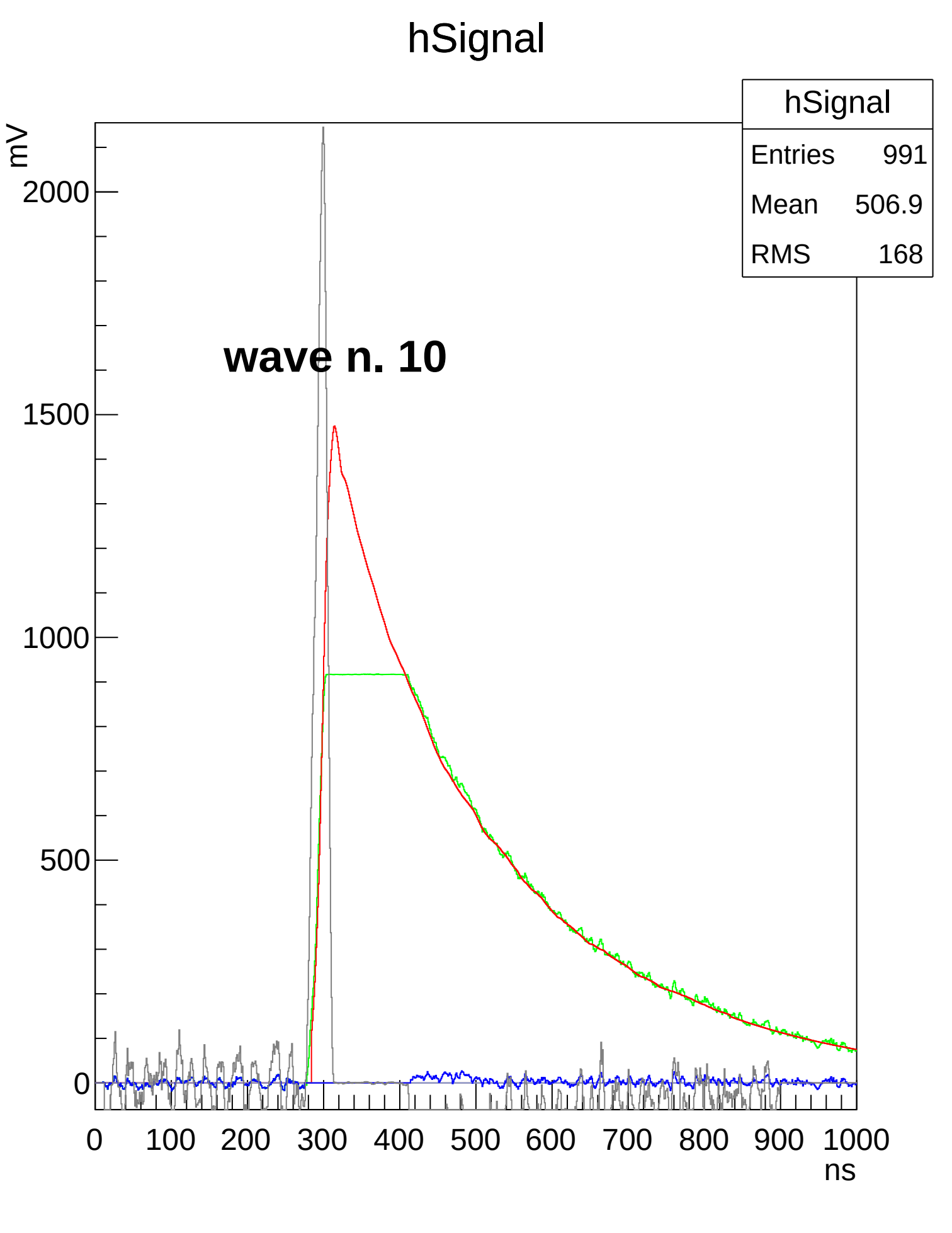

hSignal
hSignal
Entries 991
Mean 555.5
RMS 160.1
wave n. 5
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

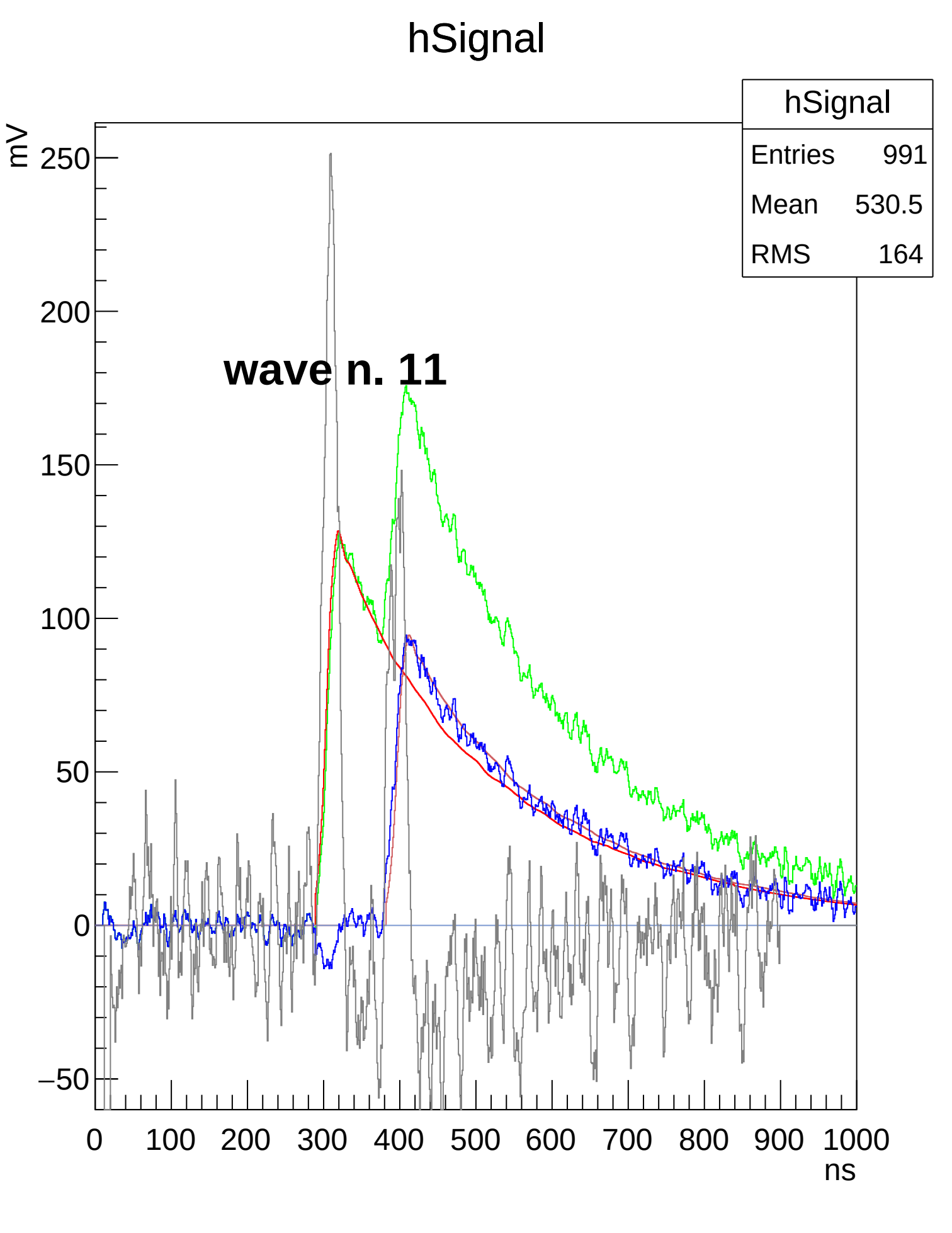

hSignal
hSignal
Entries 991
Mean 577.4
RMS 163.6
wave n. 6
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

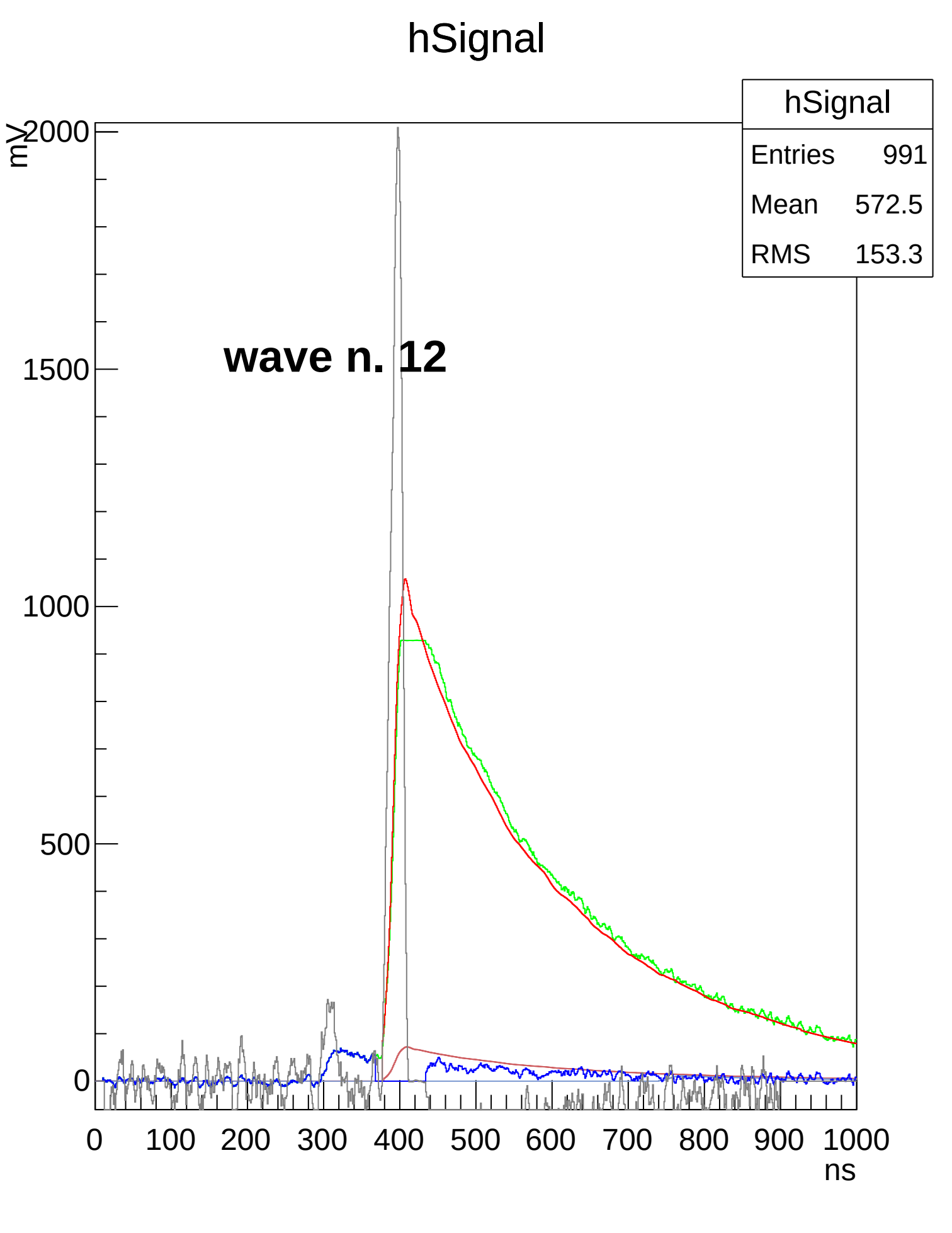

hSignal
hSignal
Entries 991
Mean 588.1
RMS 147.5
wave n. 7
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

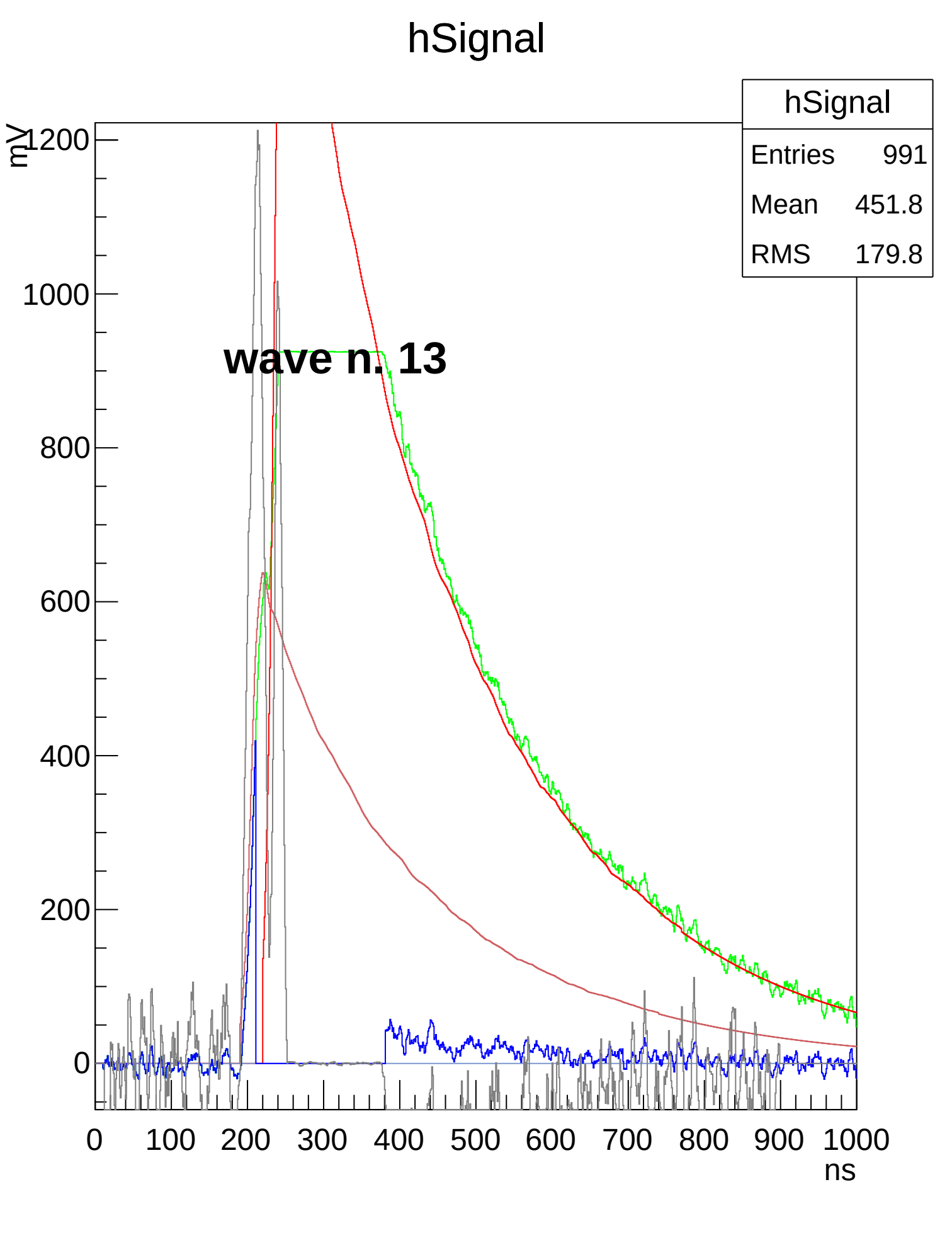

hSignal
hSignal
Entries 991
Mean 599.5
RMS 150.3
wave n. 8
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

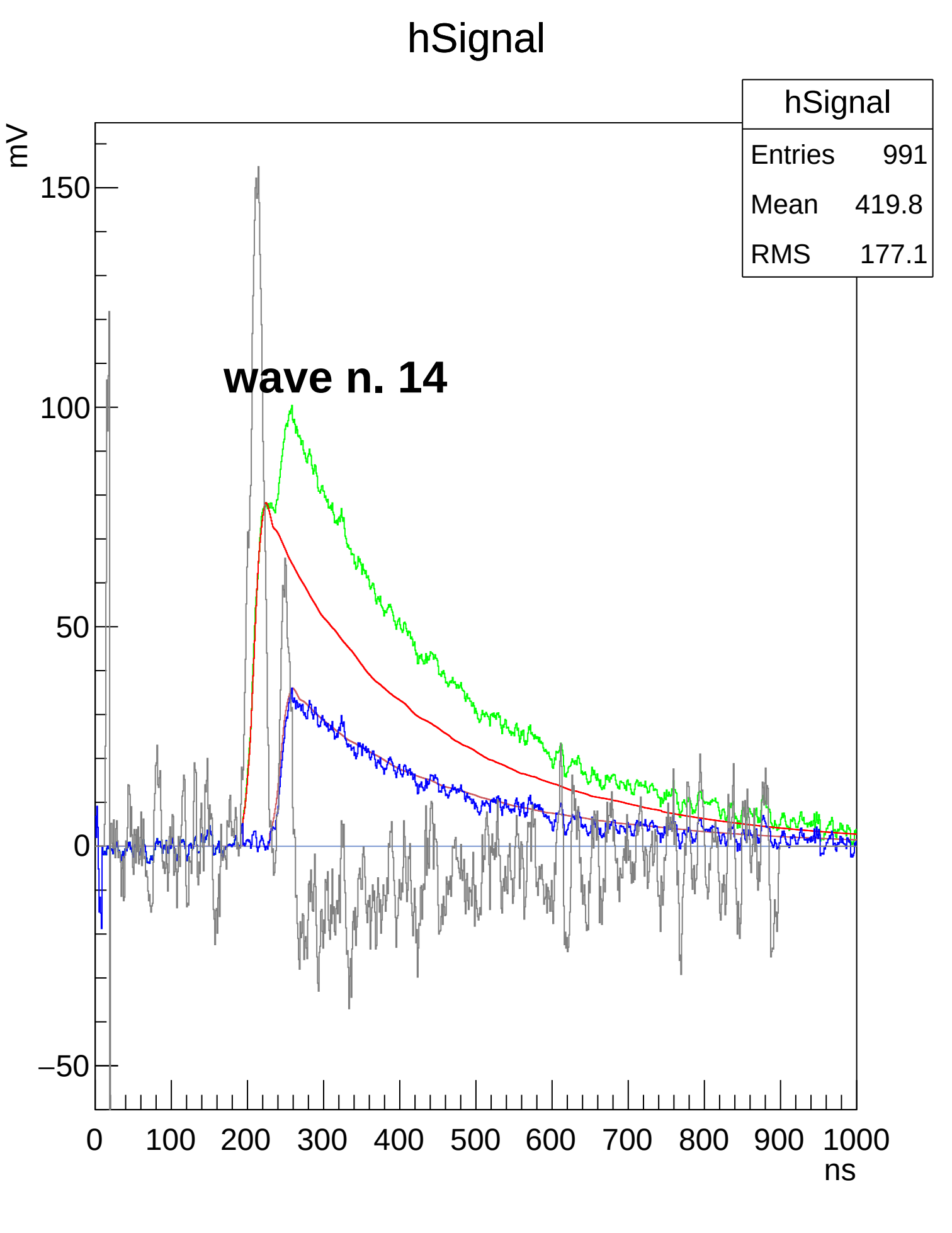

hSignal
hSignal
Entries 991
Mean 525.5
RMS 162.6
wave n. 9
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

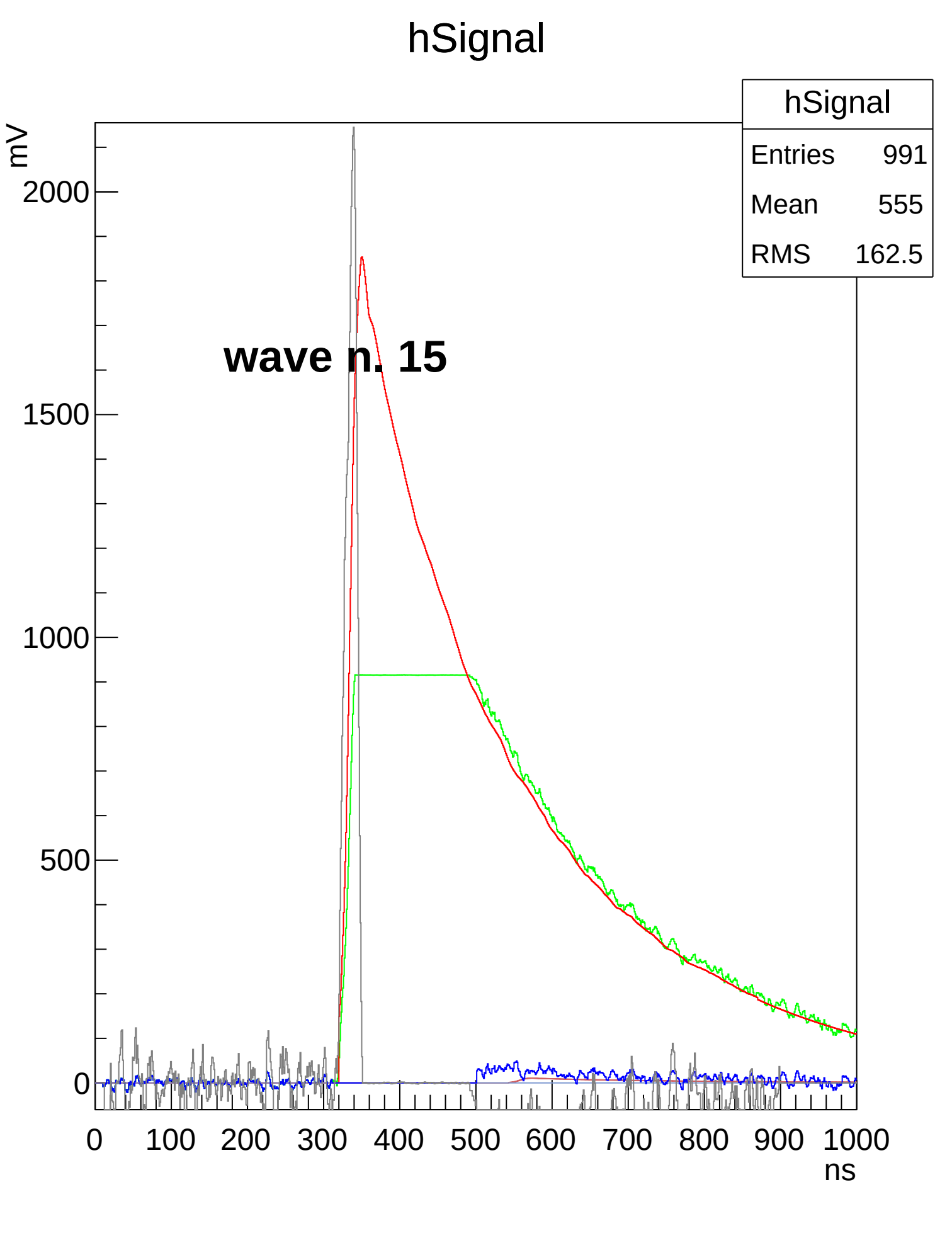

hSignal
hSignal
Entries 991
Mean 506.9
RMS 168
wave n. 10
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

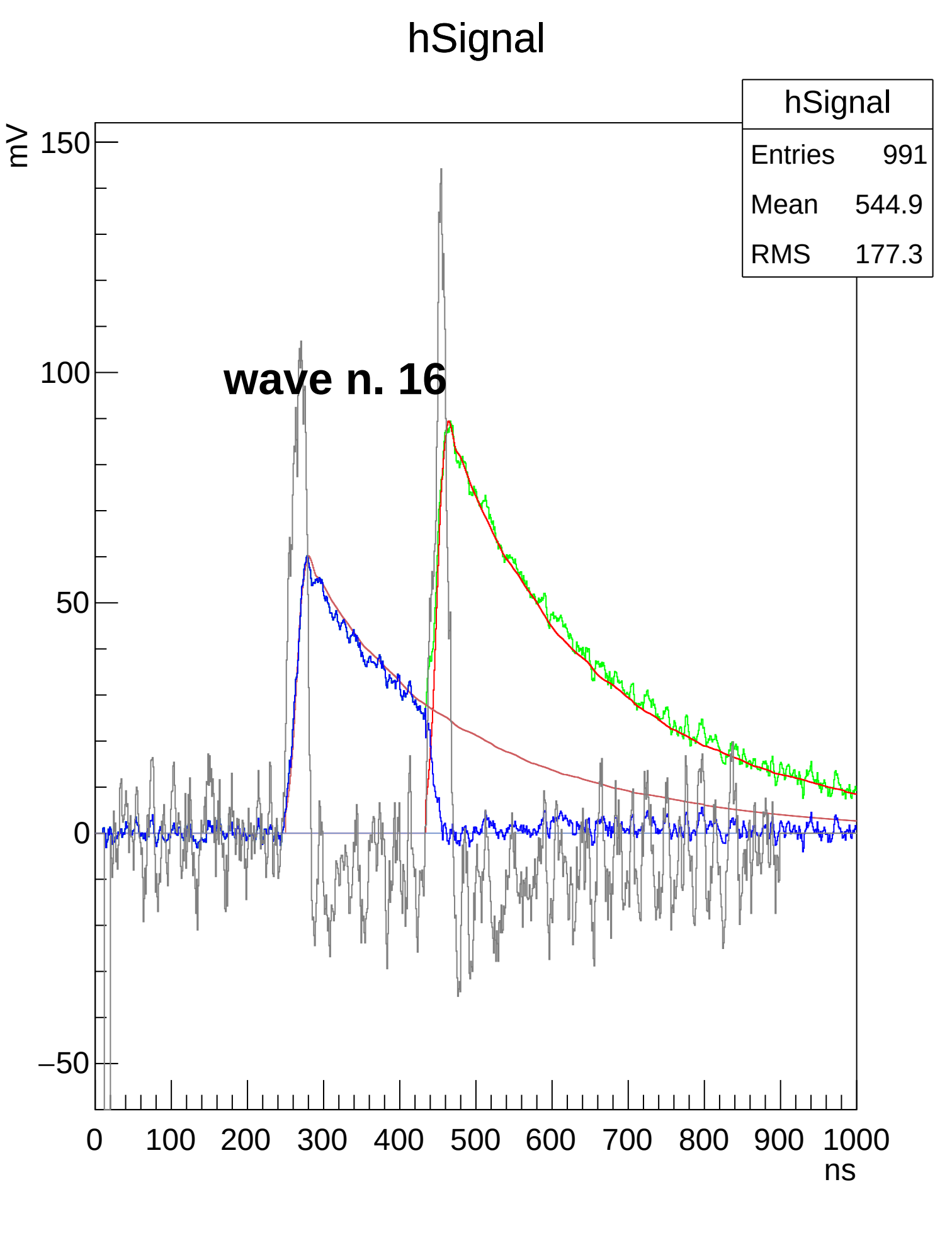

hSignal
hSignal
Entries 991
Mean 530.5
RMS 164
wave n. 11
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

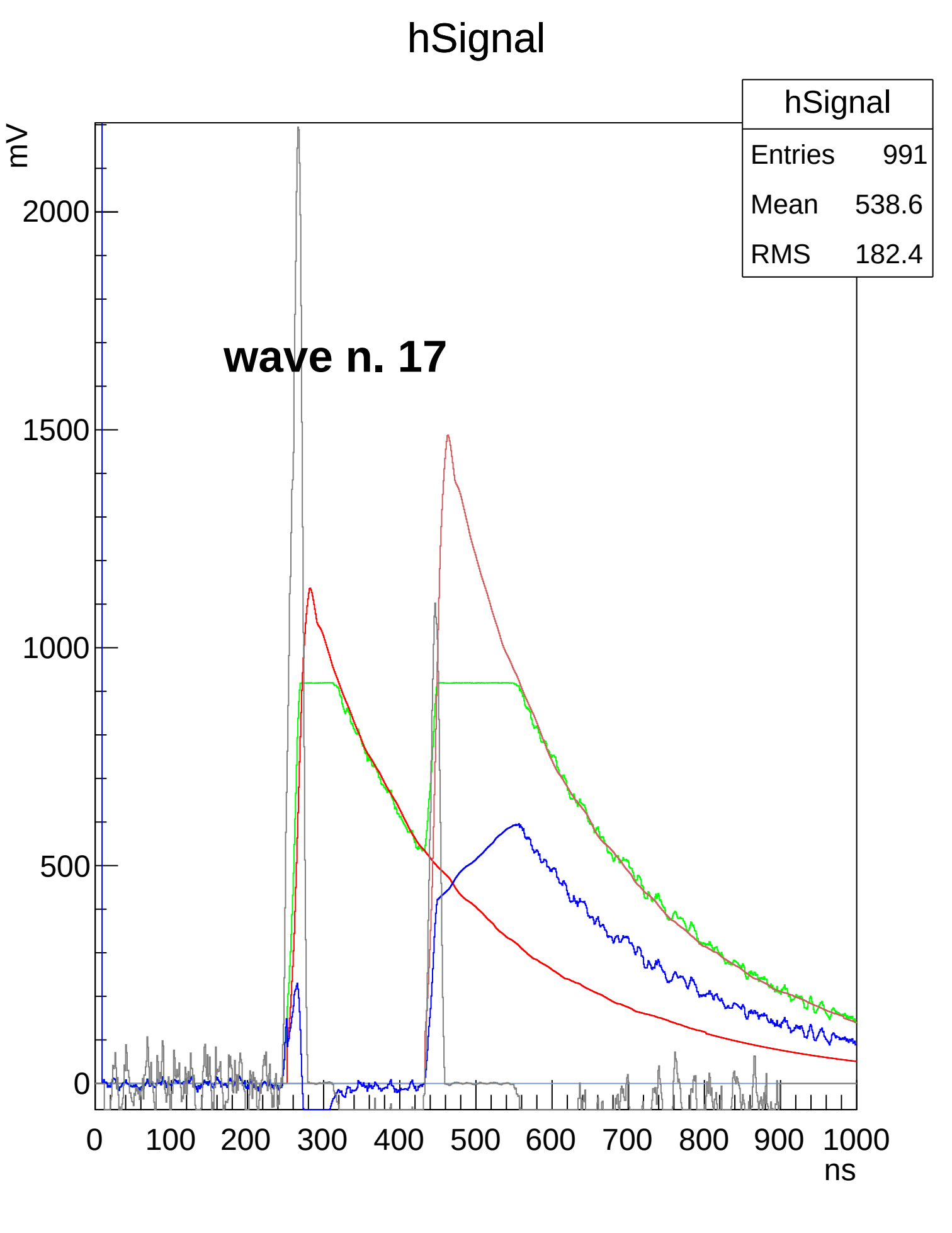

hSignal
hSignal
Entries 991
Mean 572.5
RMS 153.3
wave n. 12
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

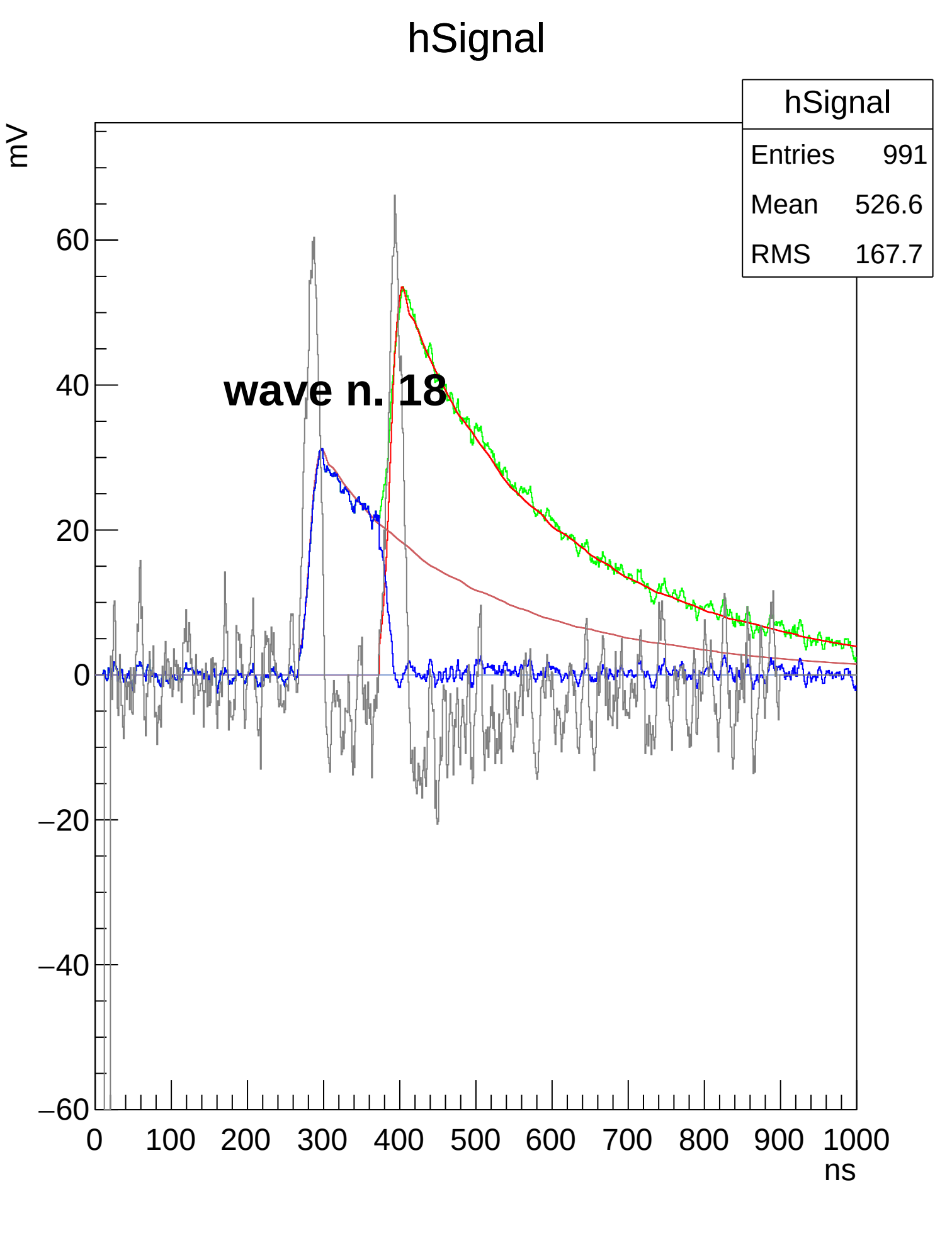

hSignal
hSignal
Entries 991
Mean 451.8
RMS 179.8
wave n. 13
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

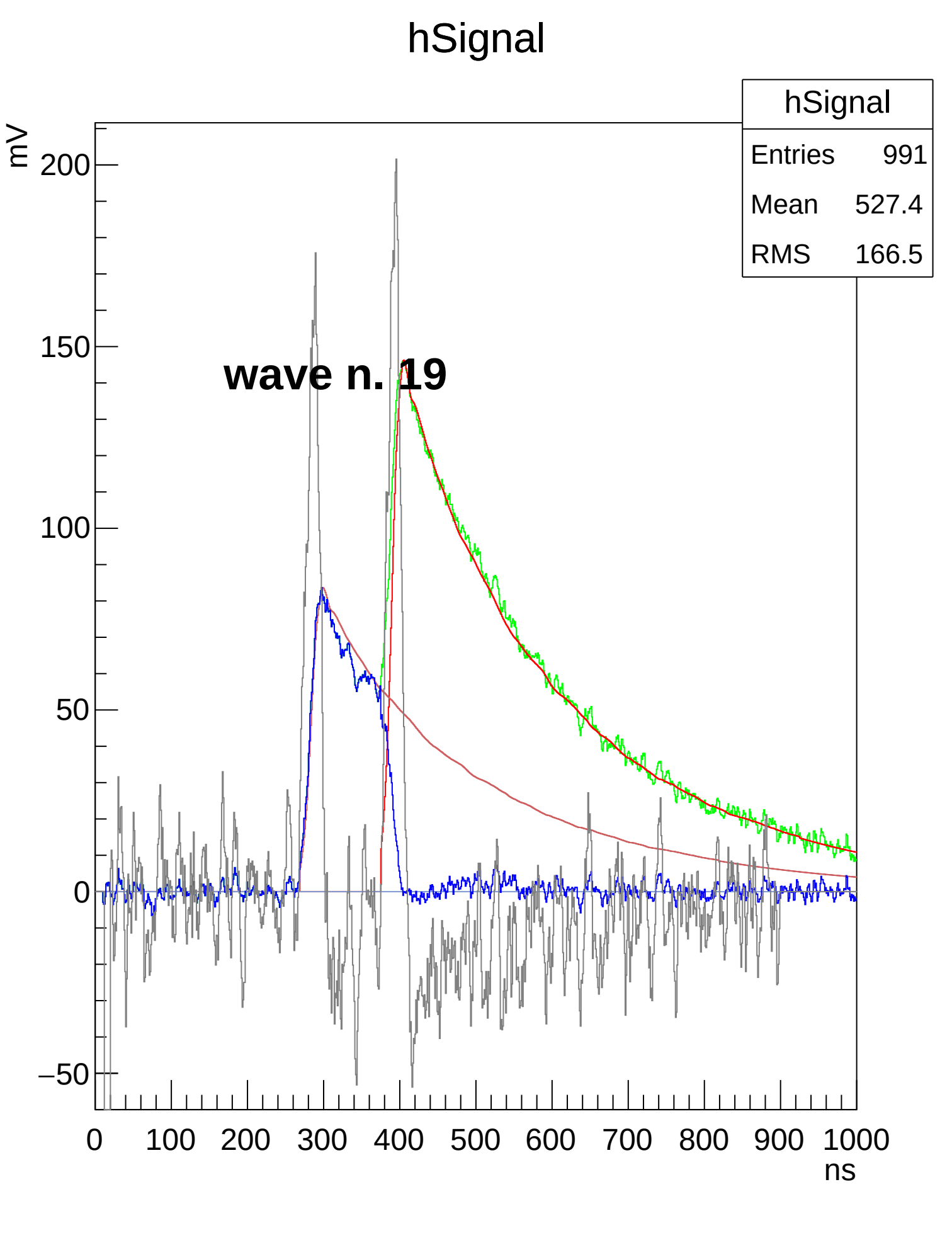

hSignal
hSignal
Entries 991
Mean 419.8
RMS 177.1
wave n. 14
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

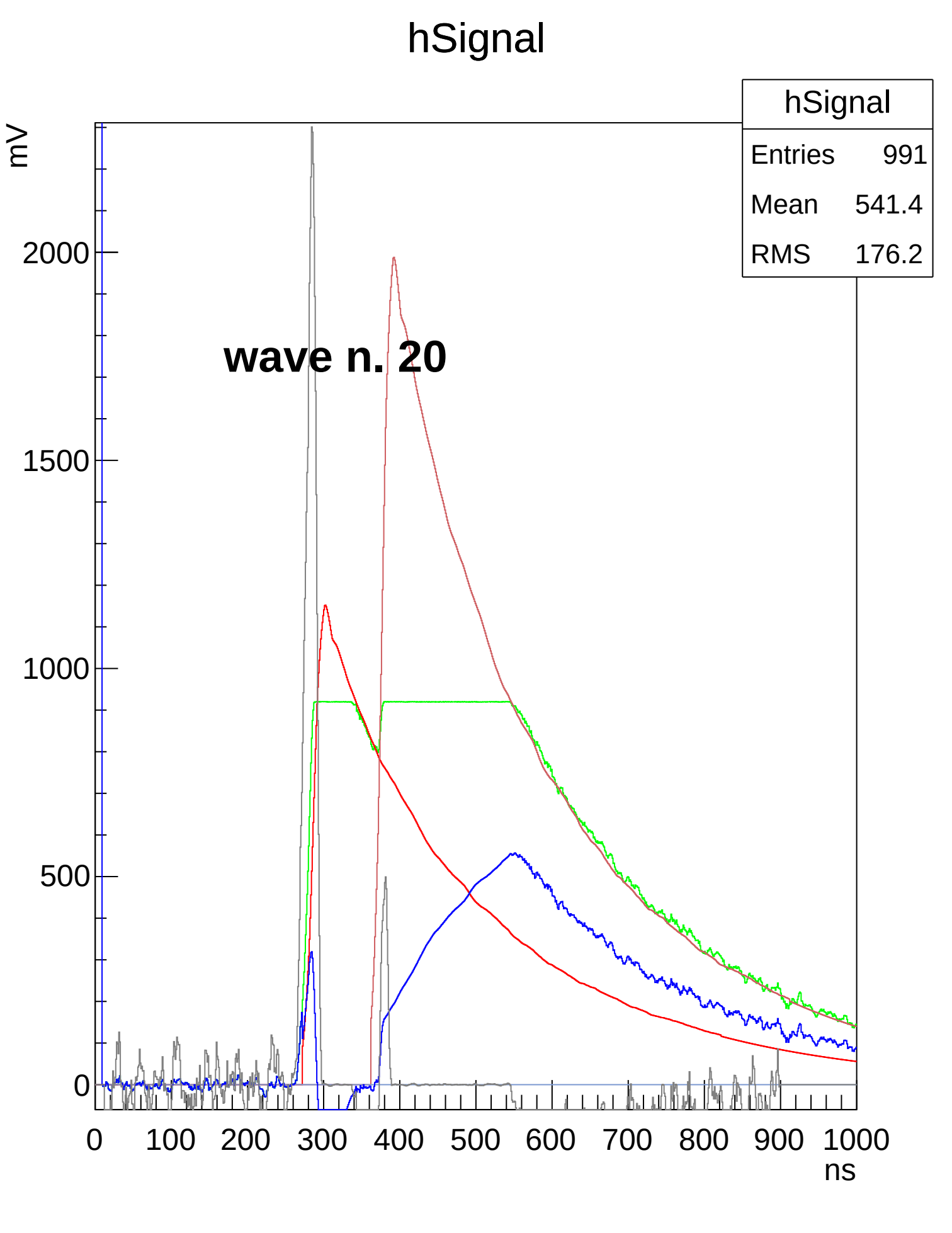

hSignal
hSignal
Entries 991
Mean 555
RMS 162.5
wave n. 15
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

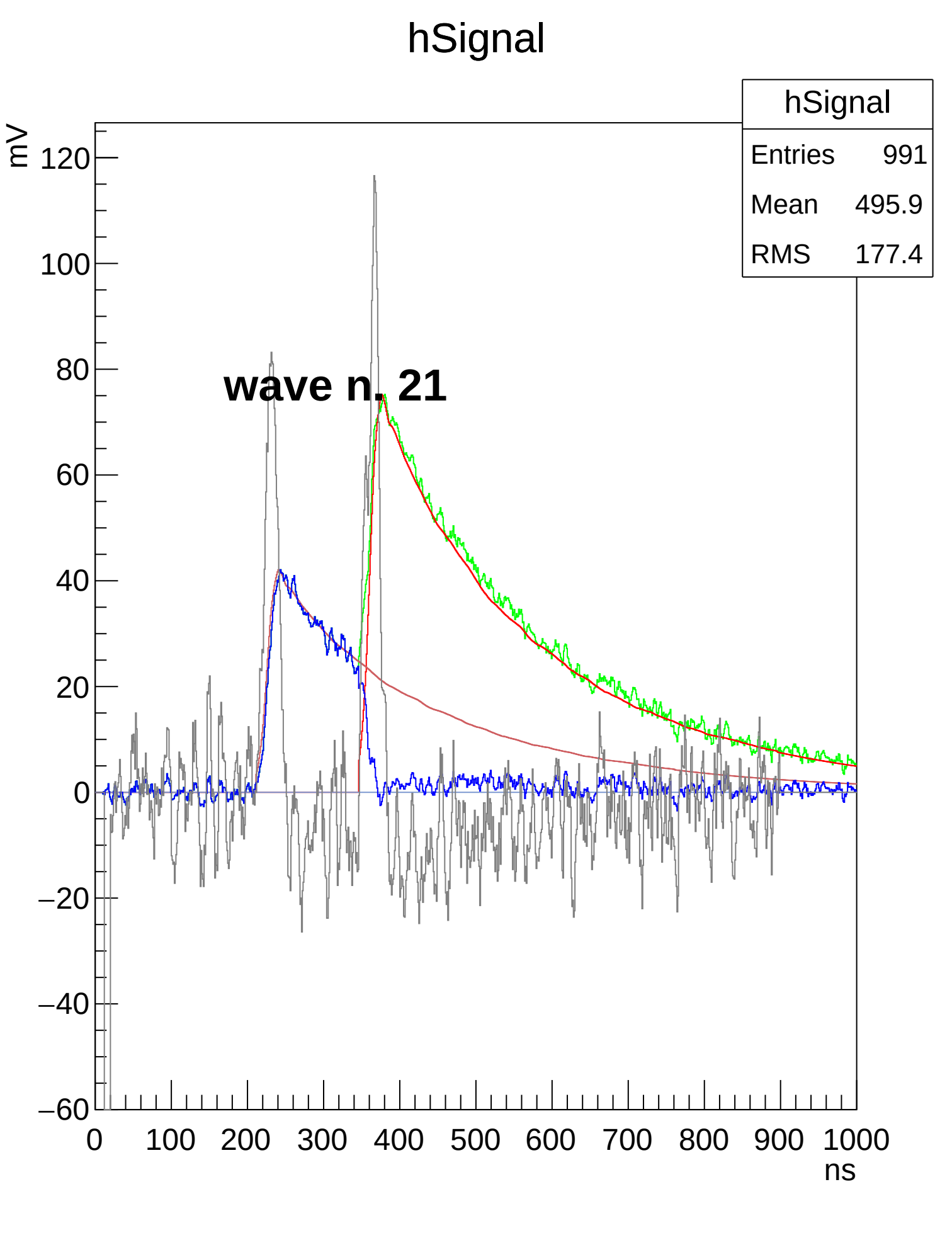

hSignal
hSignal
Entries 991
Mean 544.9
RMS 177.3
wave n. 16
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

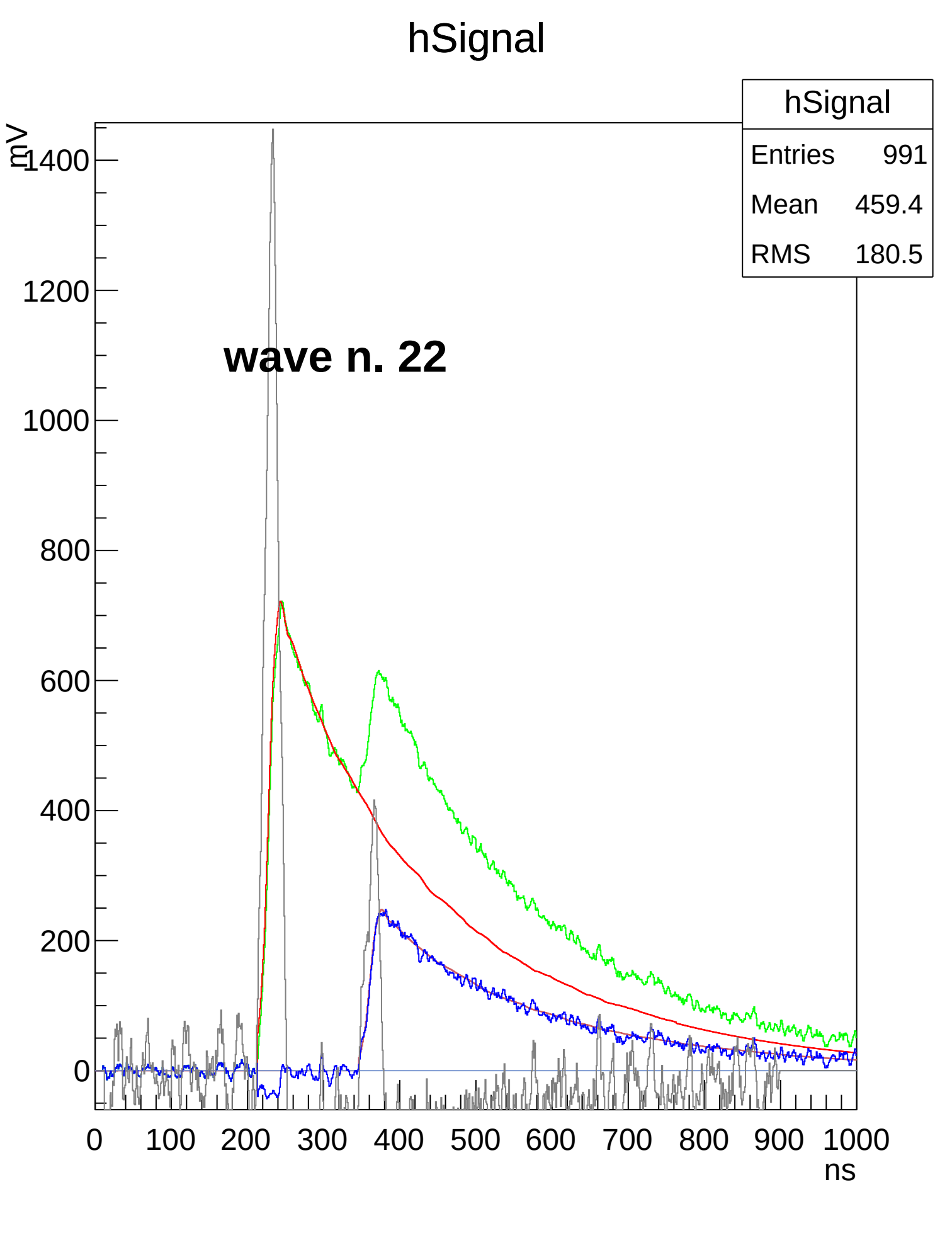

hSignal
hSignal
Entries 991
Mean 538.6
RMS 182.4
wave n. 17
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

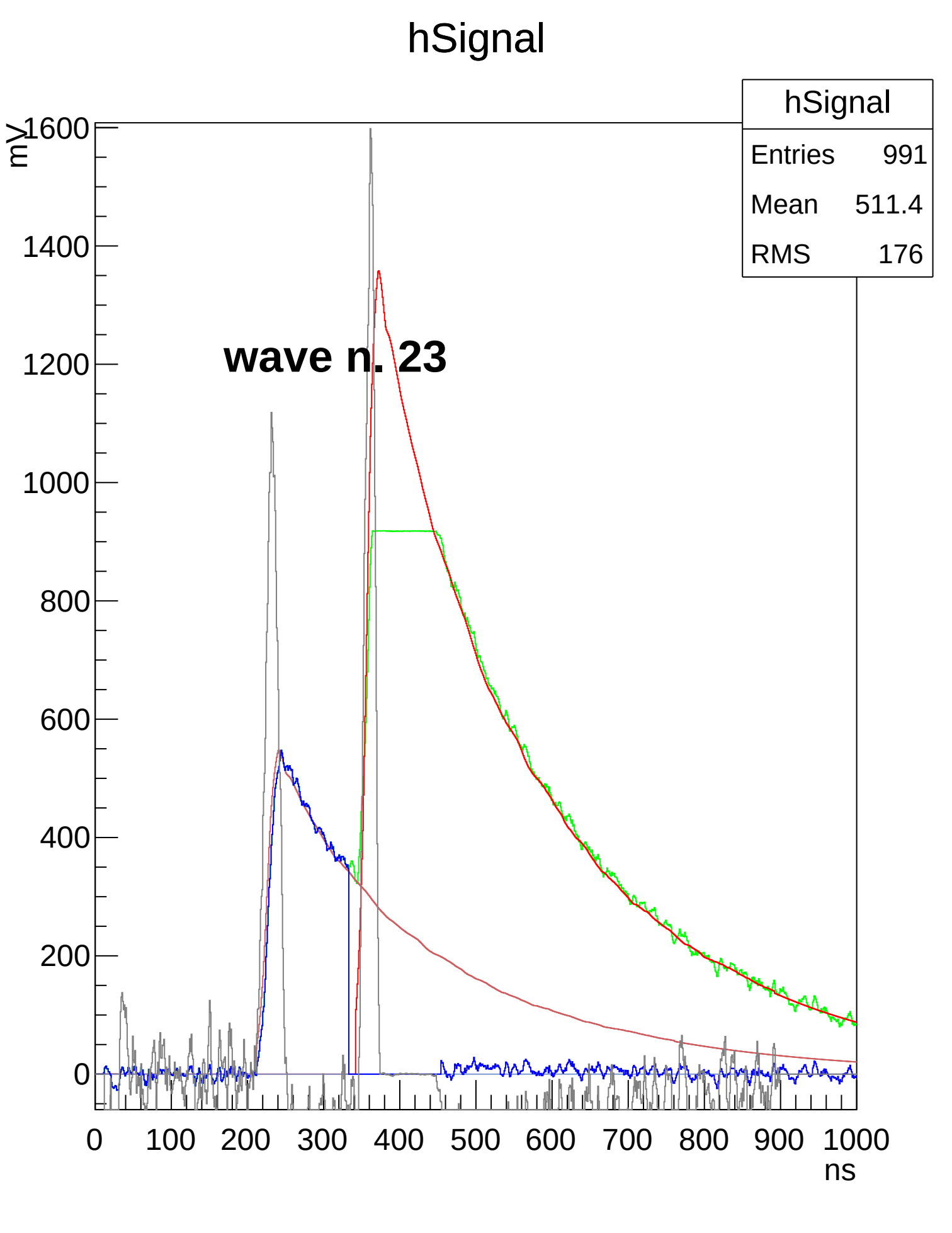

hSignal
hSignal
Entries 991
Mean 526.6
RMS 167.7
wave n. 18
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

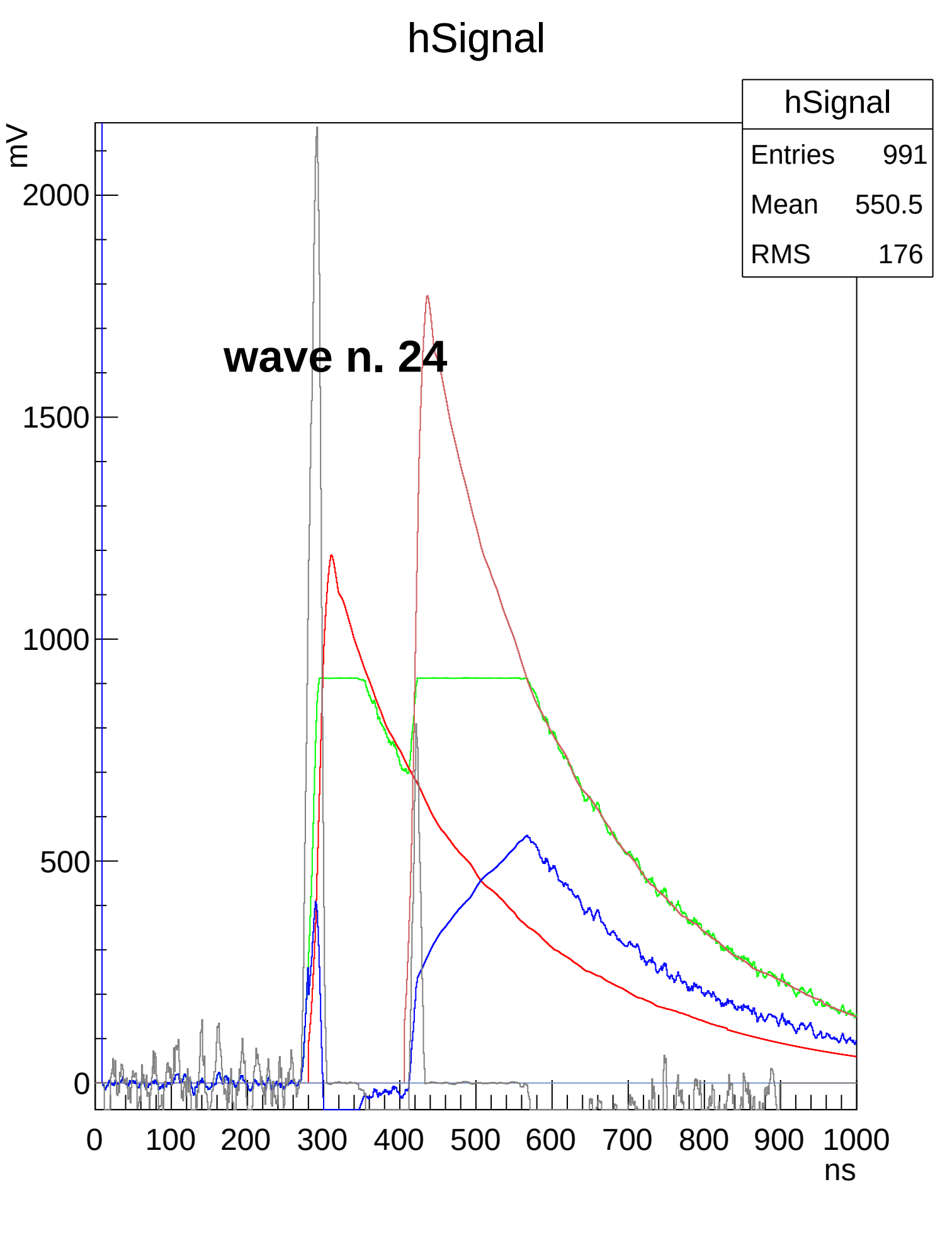

hSignal
hSignal
Entries 991
Mean 527.4
RMS 166.5
wave n. 19
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

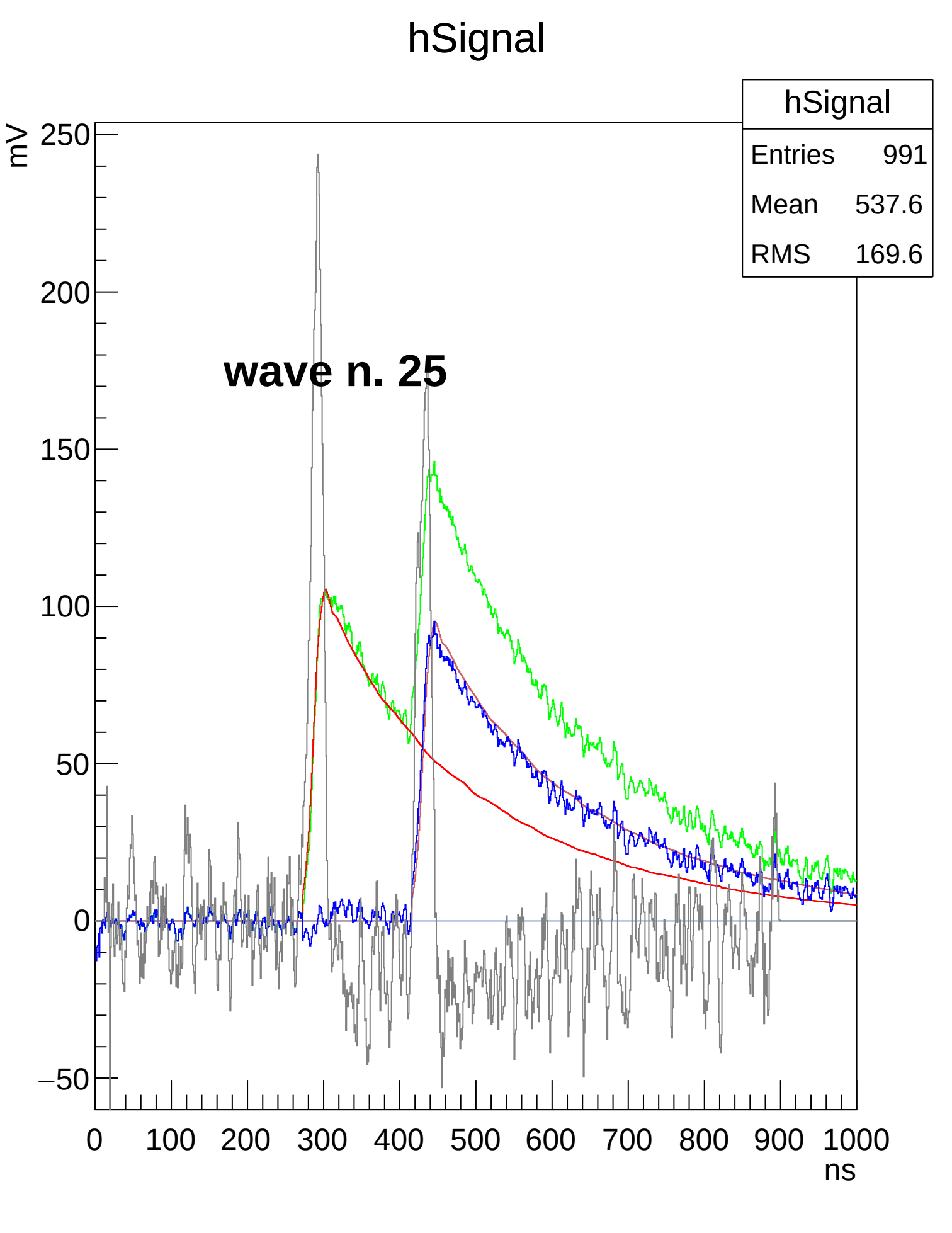

hSignal
hSignal
Entries 991
Mean 541.4
RMS 176.2
wave n. 20
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

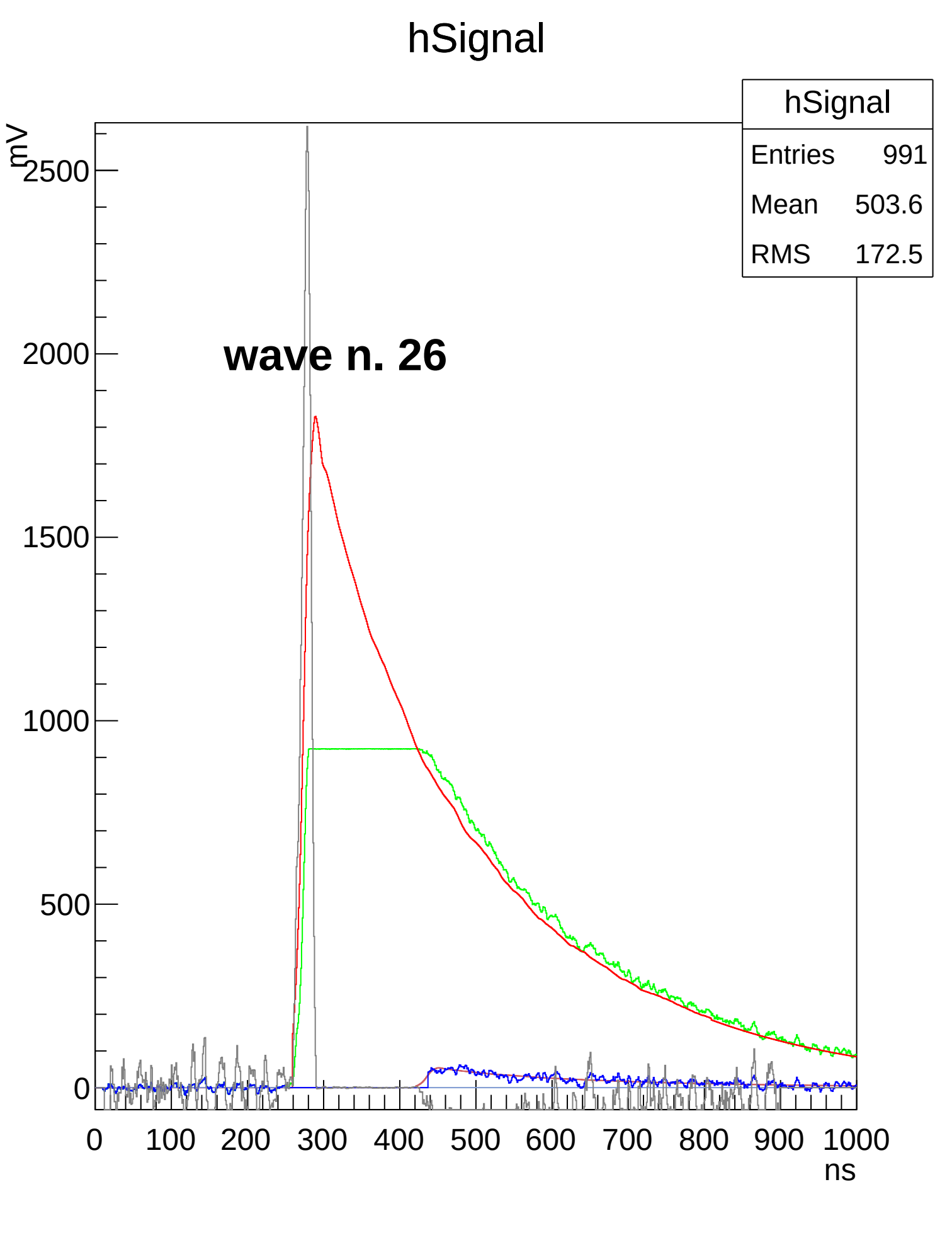

hSignal
hSignal
Entries 991
Mean 495.9
RMS 177.4
wave n. 21
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

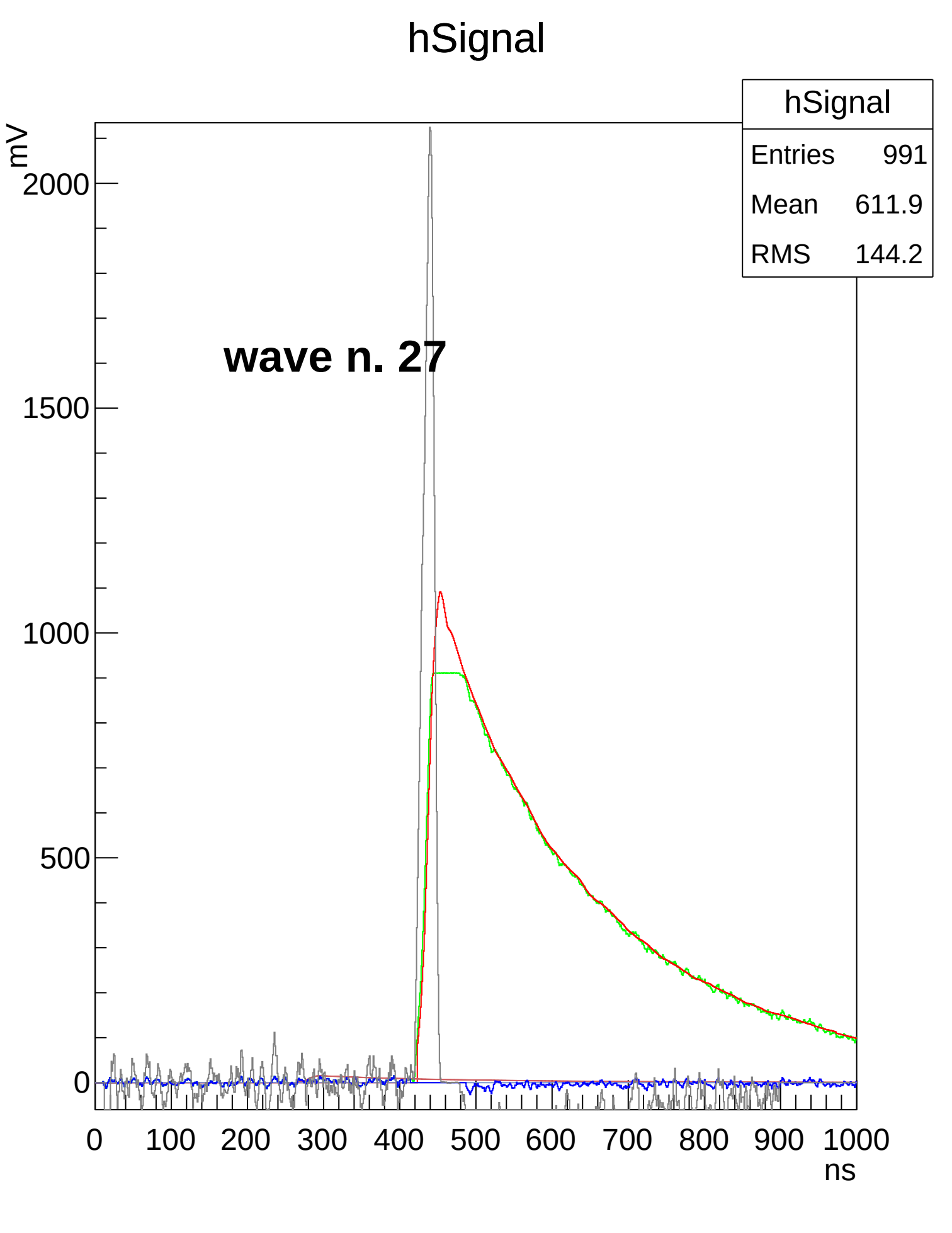

hSignal
hSignal
Entries 991
Mean 459.4
RMS 180.5
wave n. 22
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

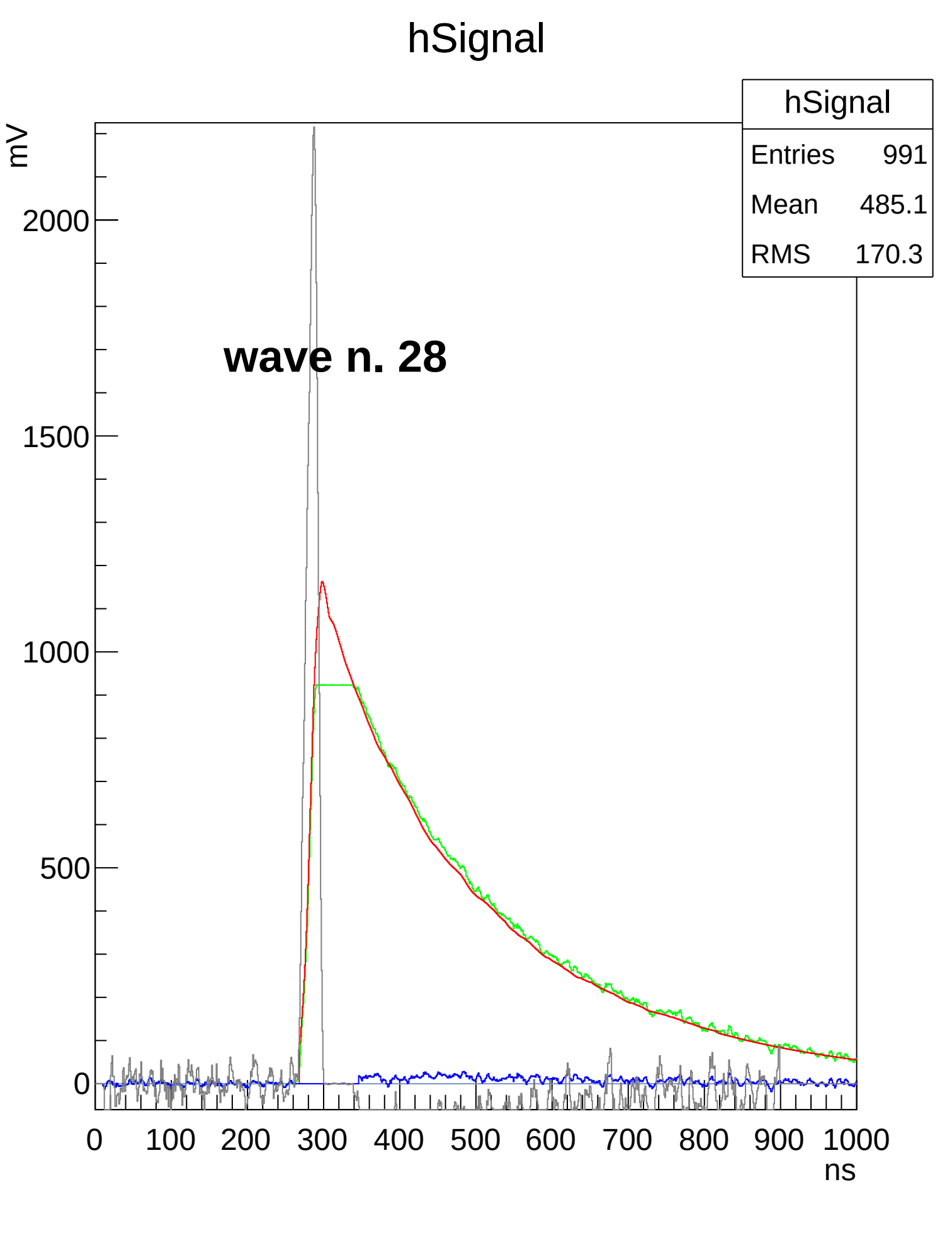

hSignal
hSignal
Entries 991
Mean 511.4
RMS 176
wave n. 23
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

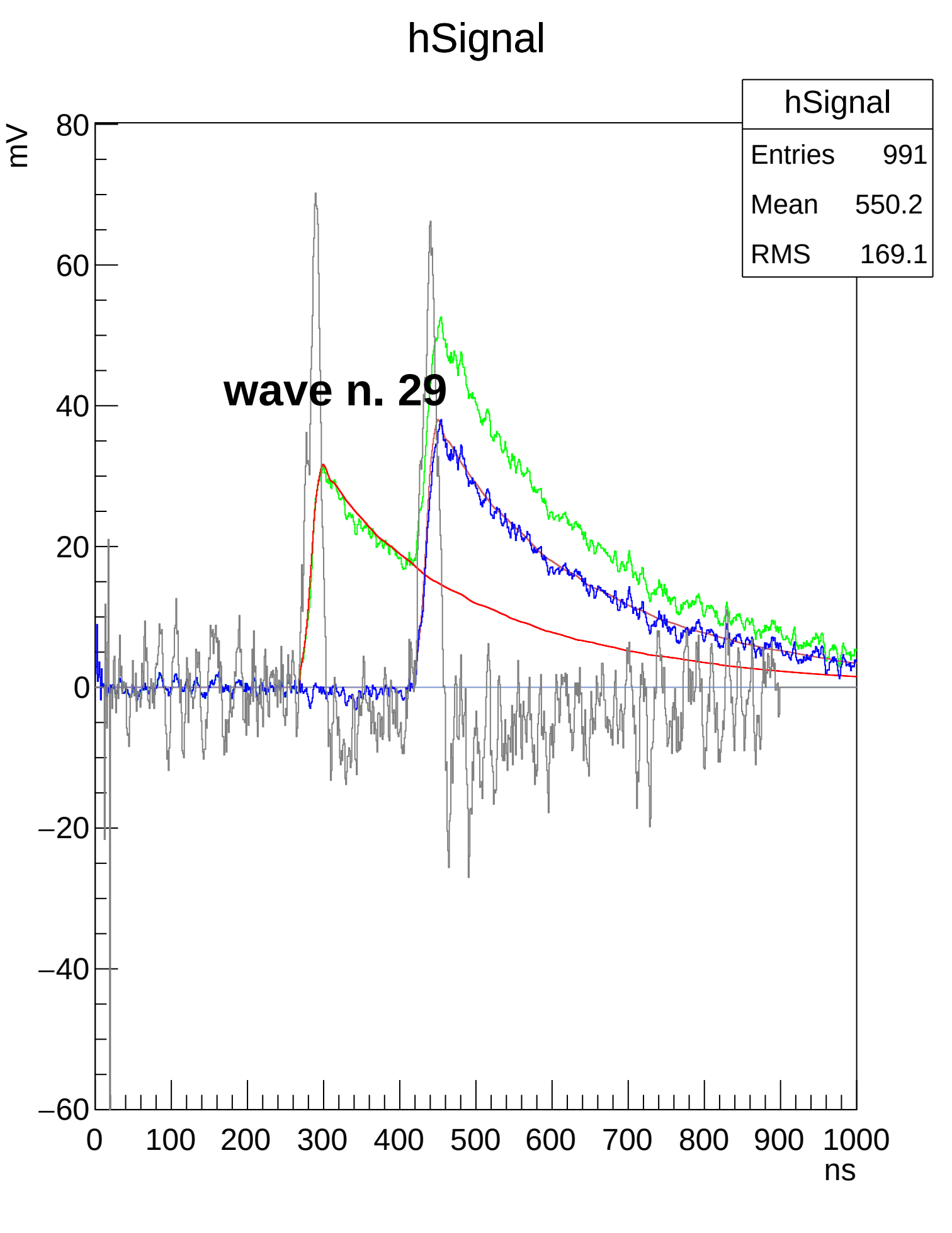

hSignal
hSignal
Entries 991
Mean 550.5
RMS 176
wave n. 24
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

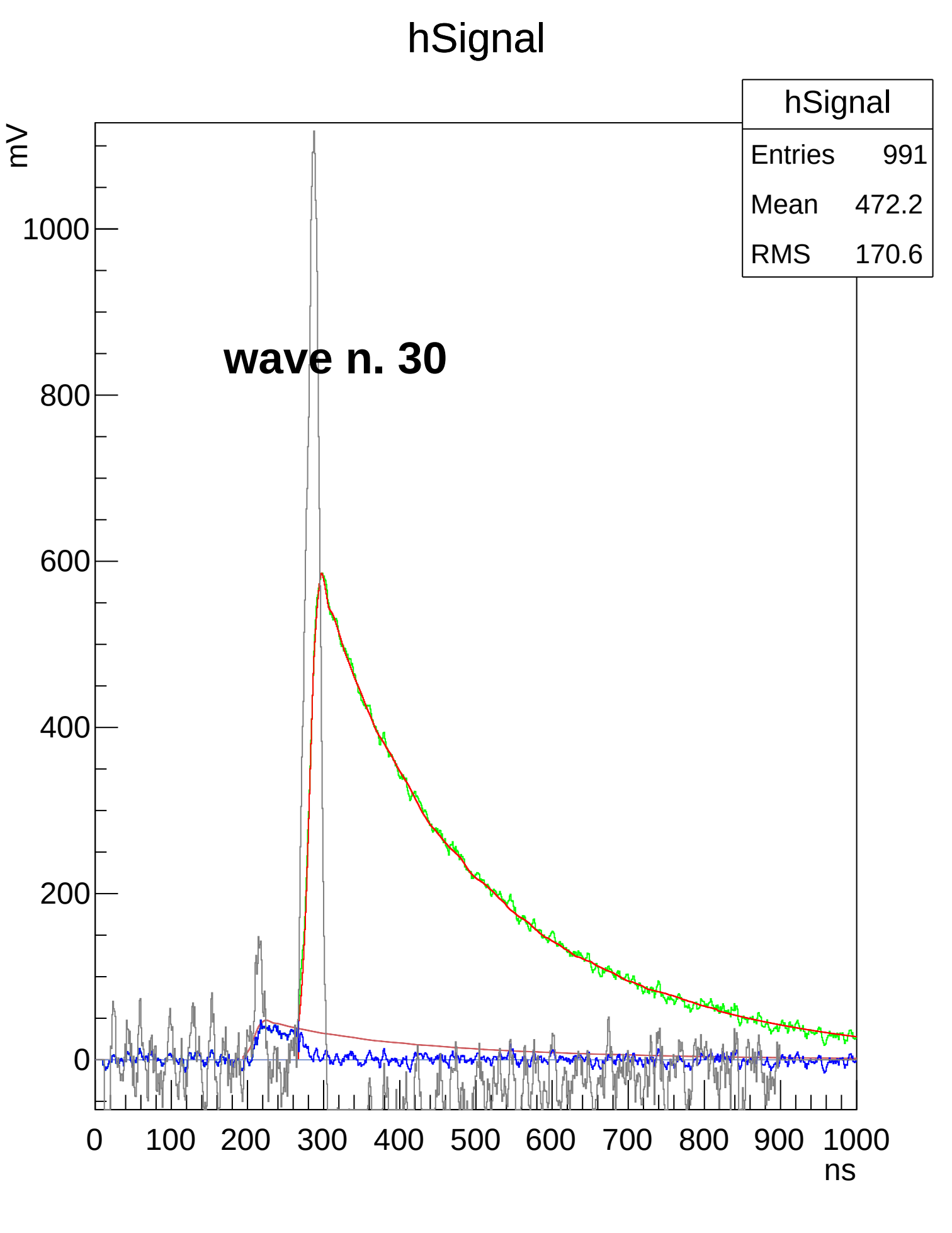

hSignal
hSignal
Entries 991
Mean 537.6
RMS 169.6
wave n. 25
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

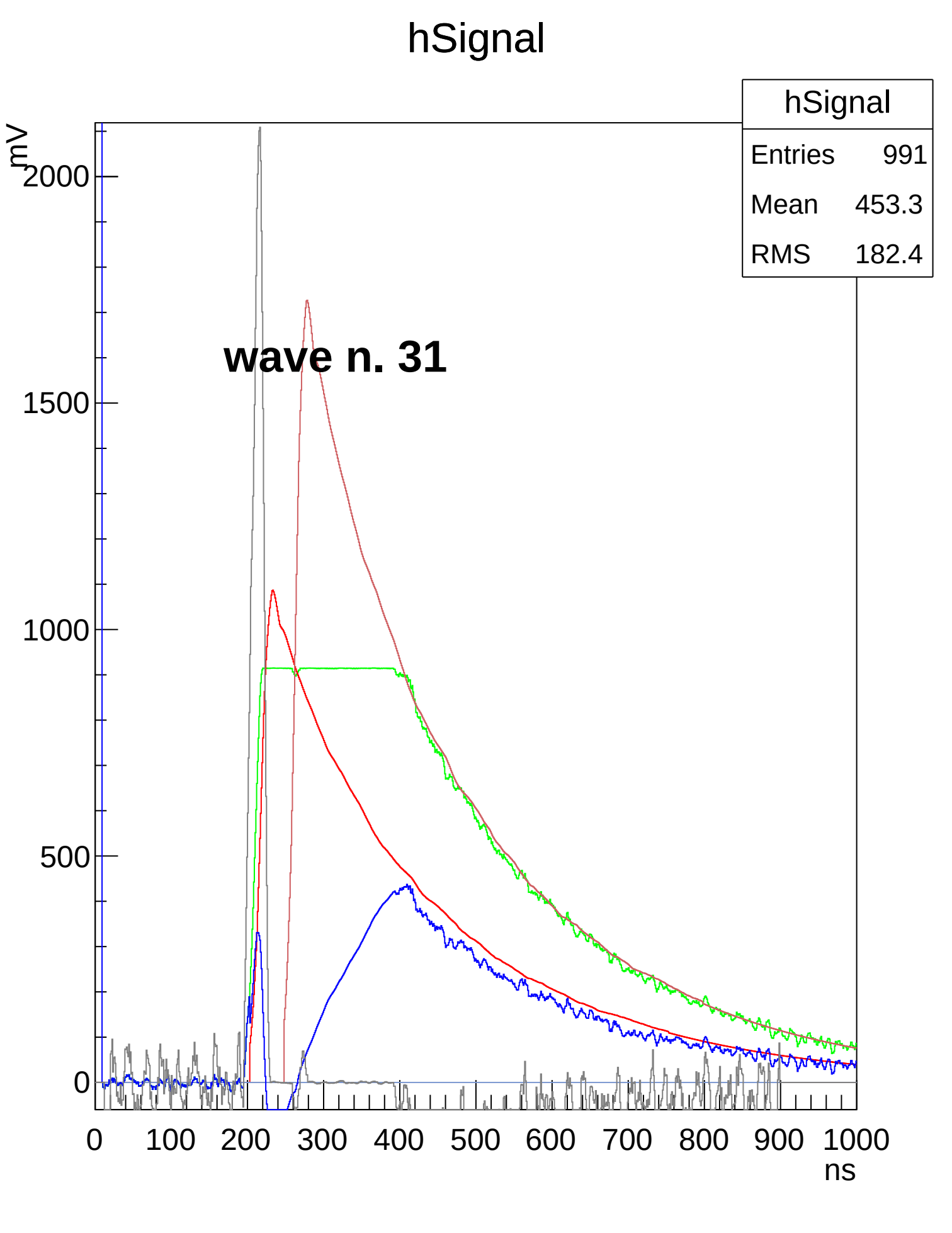

hSignal
hSignal
Entries 991
Mean 503.6
RMS 172.5
wave n. 26
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

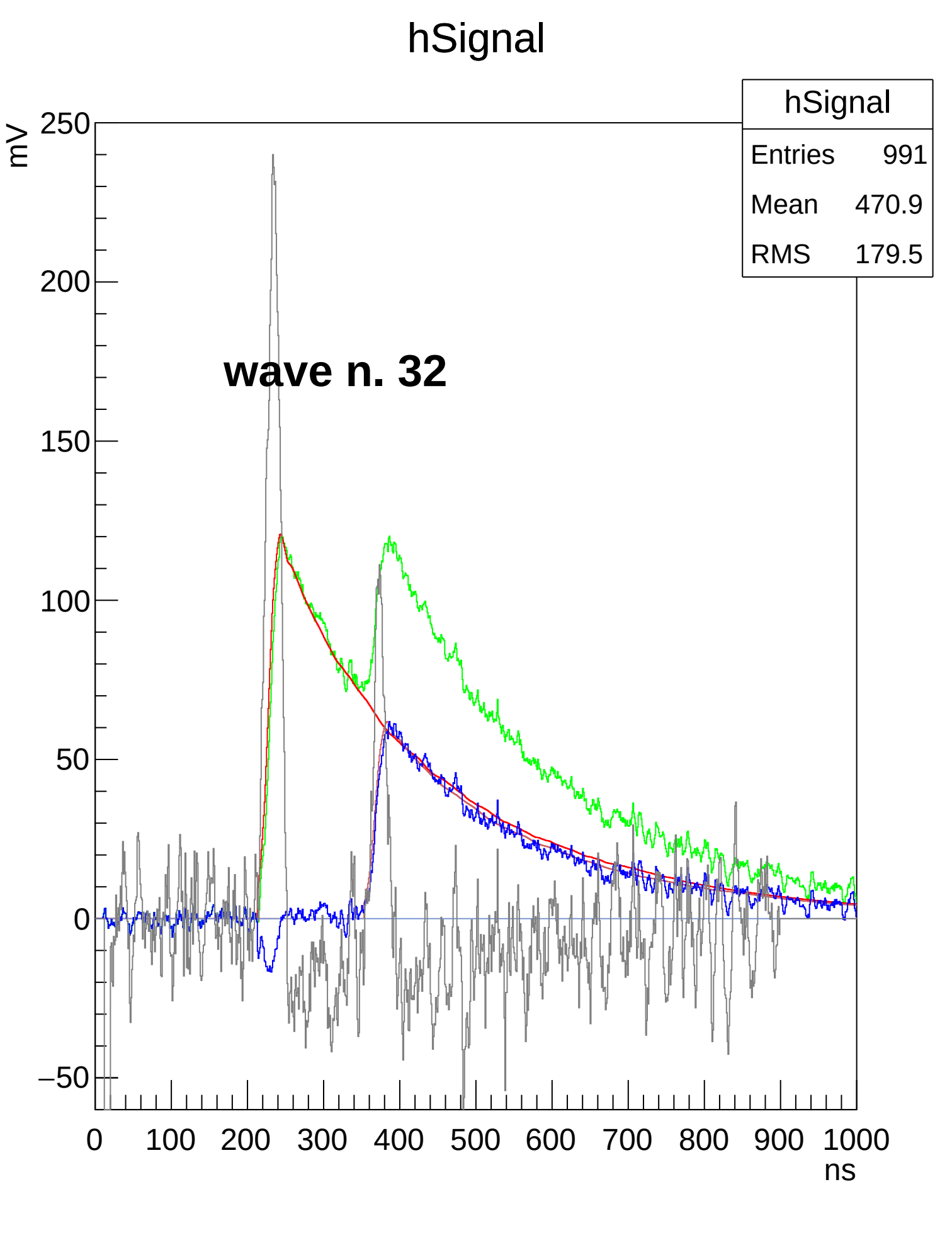

hSignal
hSignal
Entries 991
Mean 611.9
RMS 144.2
wave n. 27
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

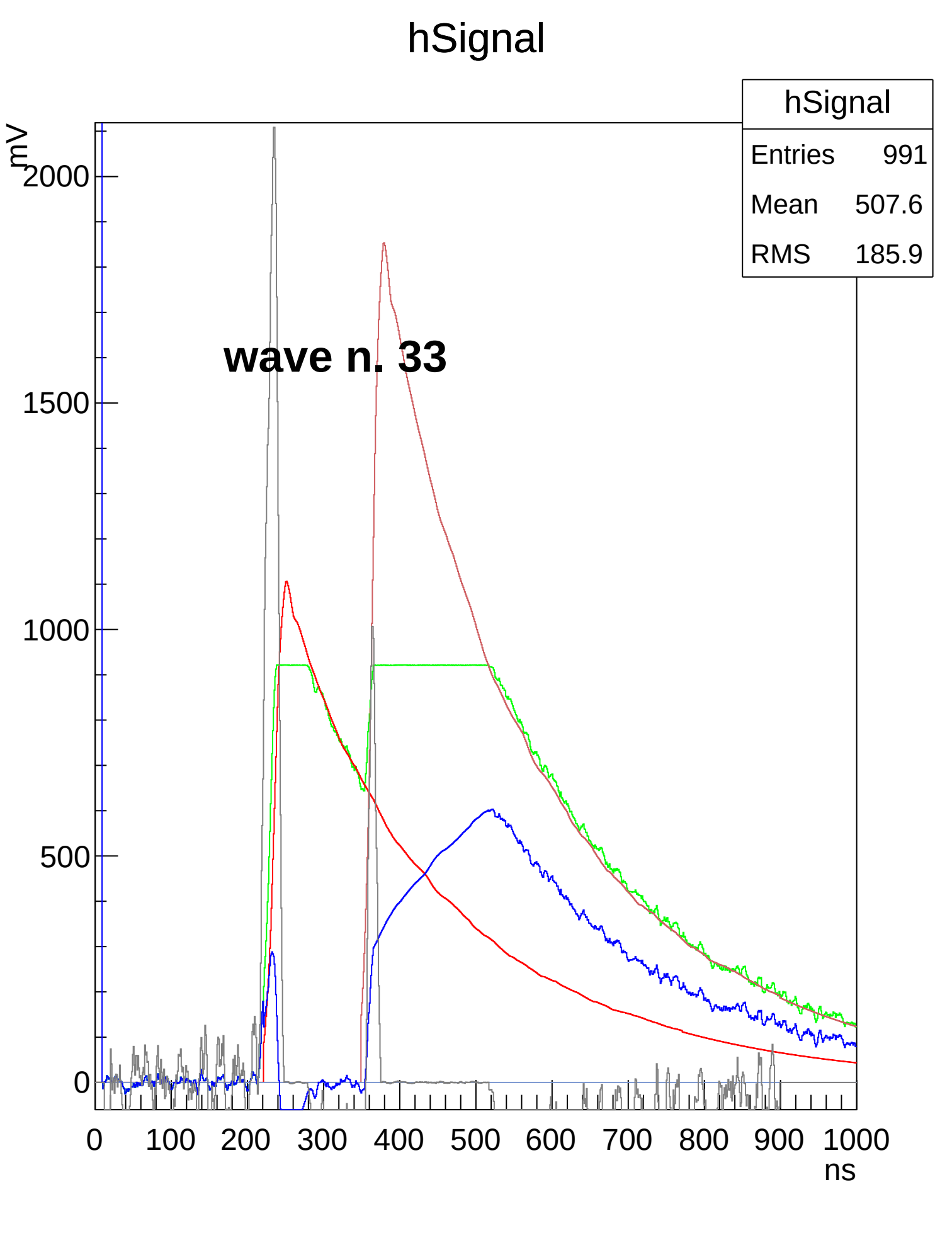

hSignal
hSignal
Entries 991
Mean 485.1
RMS 170.3
wave n. 28
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

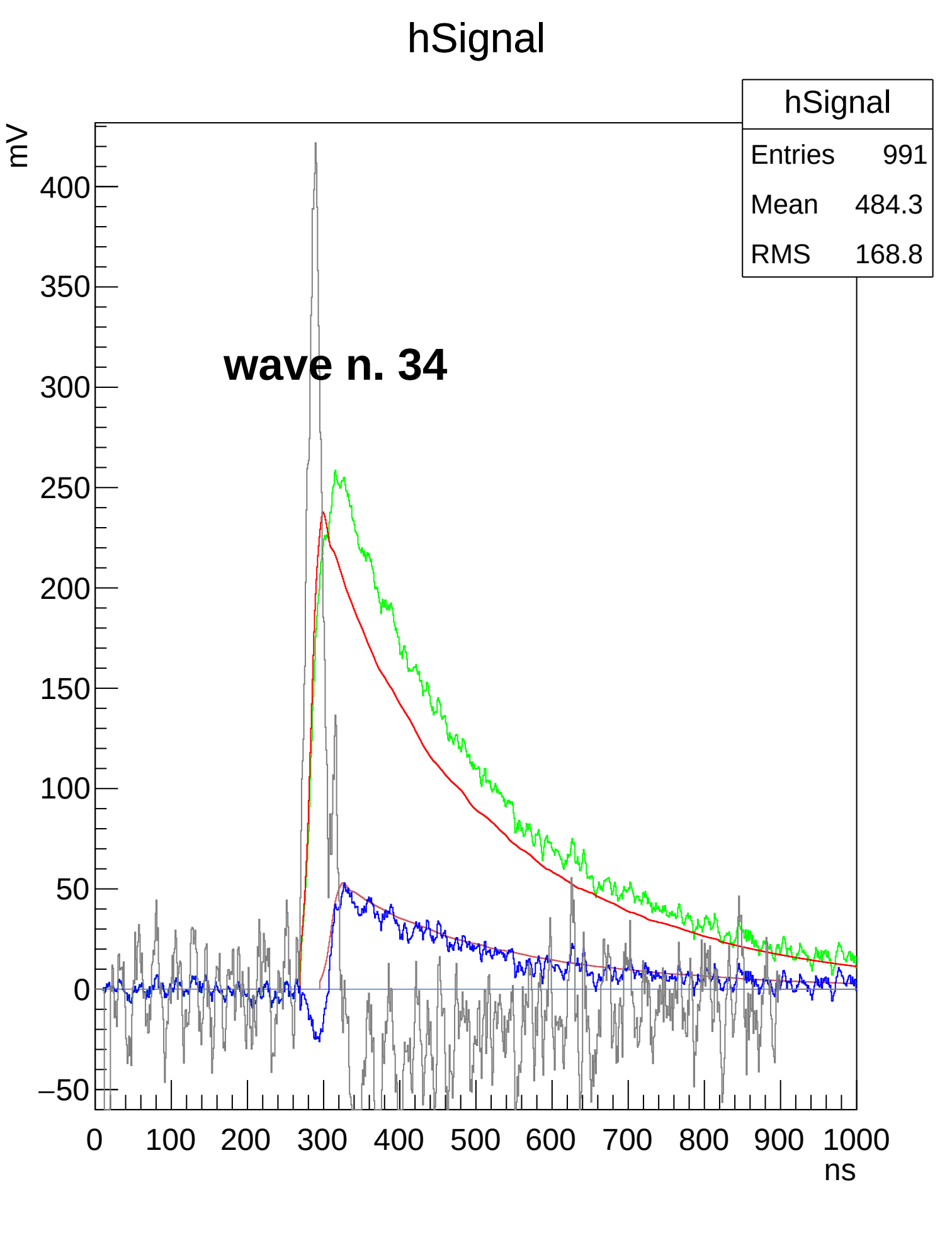

hSignal
hSignal
Entries 991
Mean 550.2
RMS 169.1
wave n. 29
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

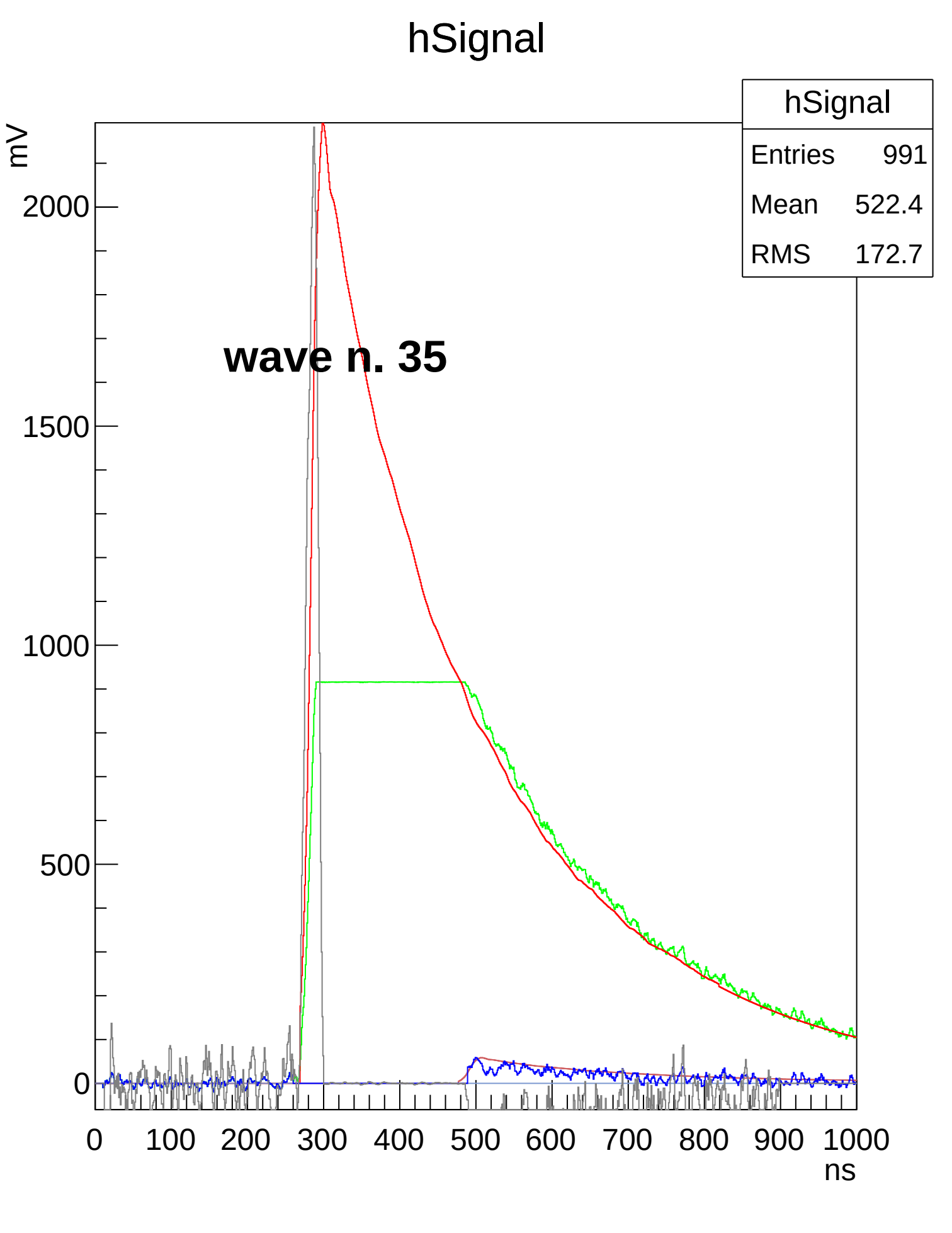

hSignal
hSignal
Entries 991
Mean 472.2
RMS 170.6
wave n. 30
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

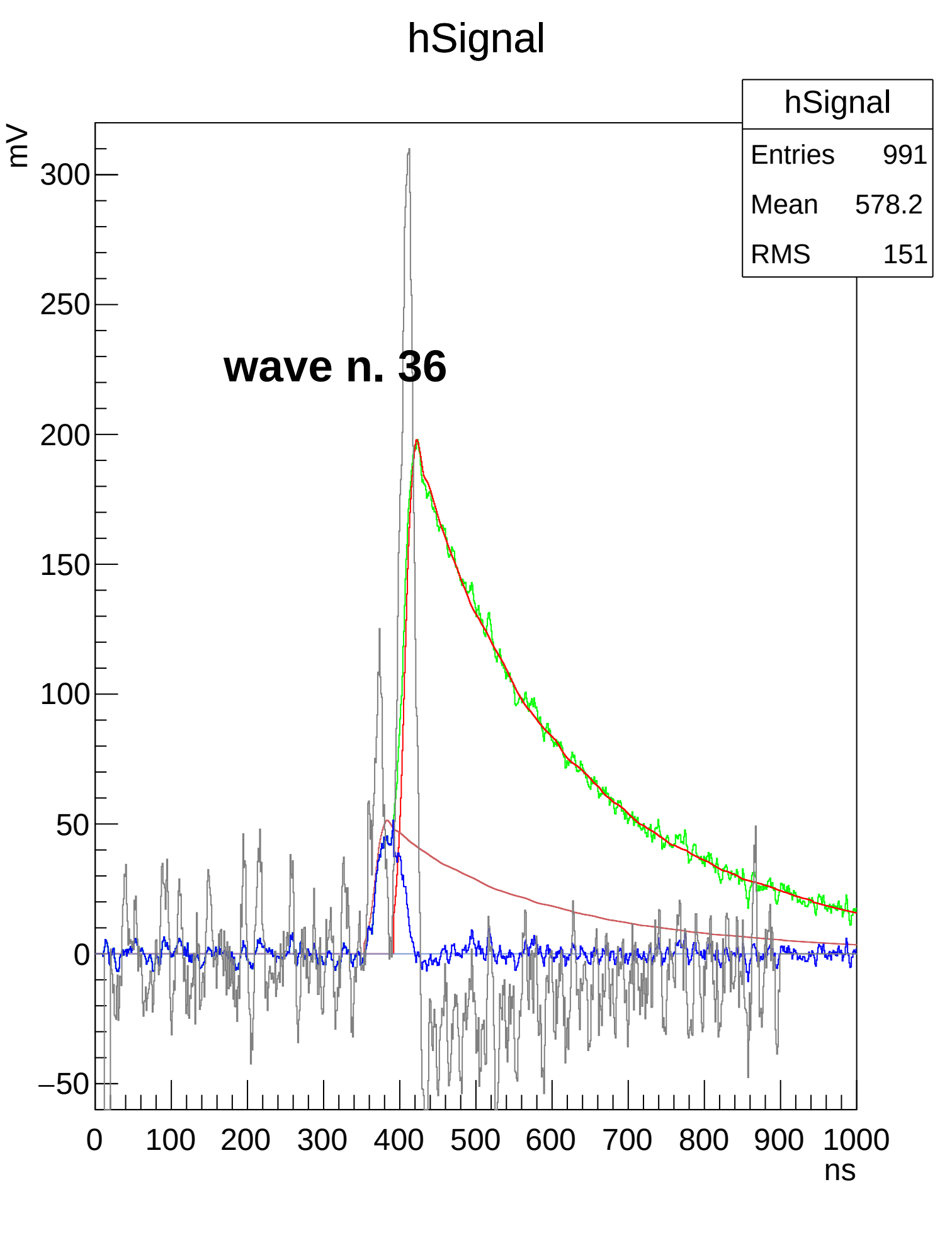

hSignal
hSignal
Entries 991
Mean 453.3
RMS 182.4
wave n. 31
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

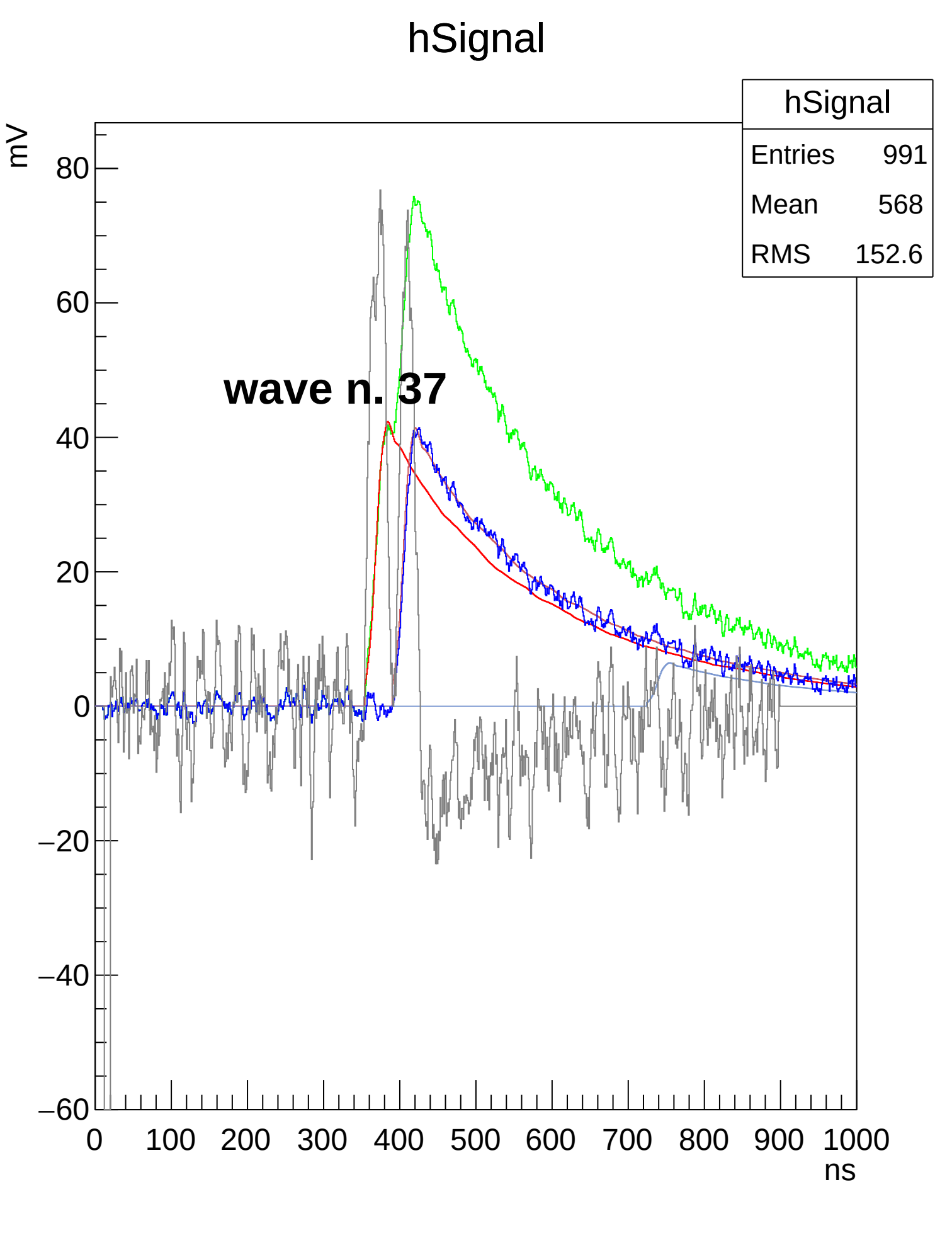

hSignal
hSignal
Entries 991
Mean 470.9
RMS 179.5
wave n. 32
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

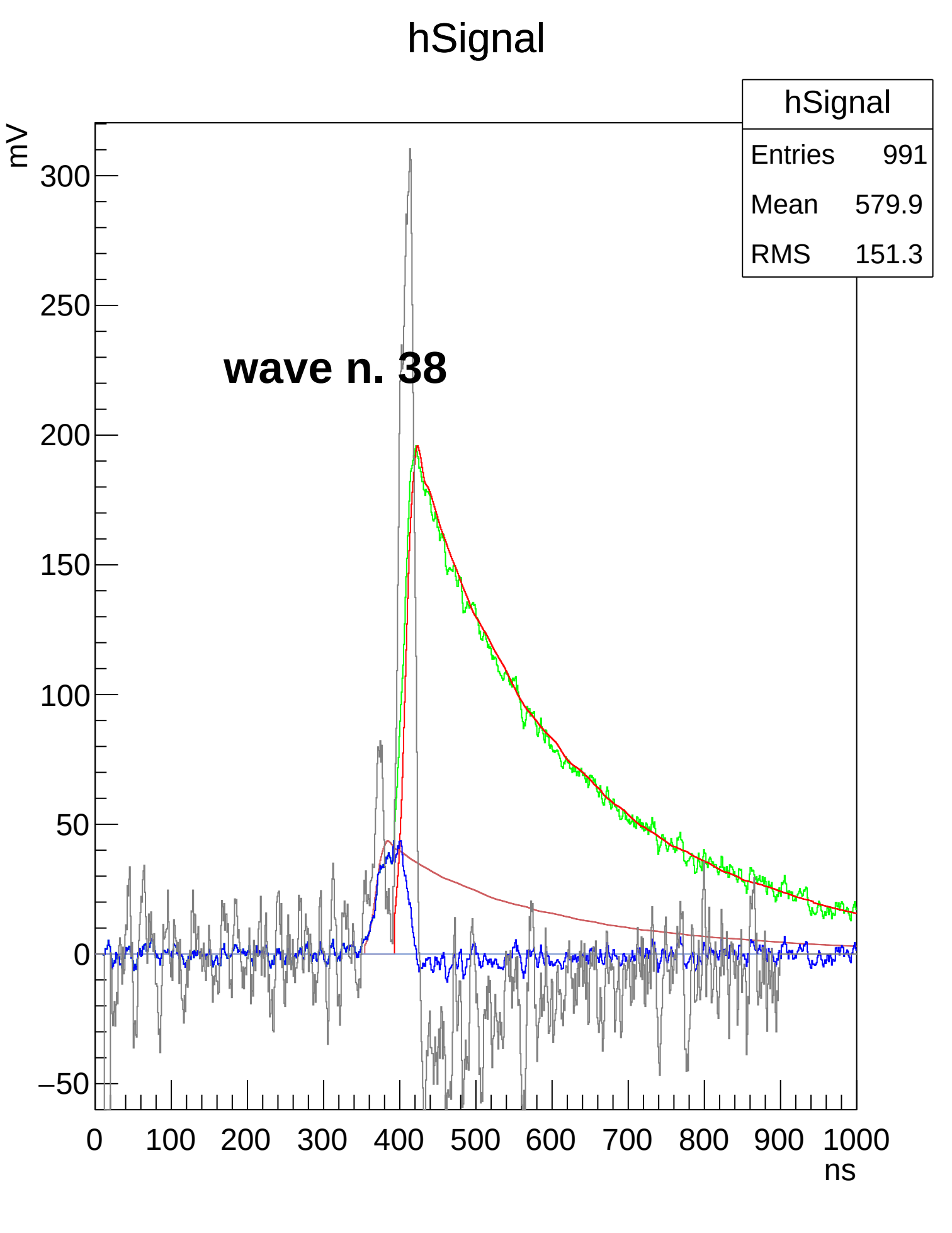

hSignal
hSignal
Entries 991
Mean 507.6
RMS 185.9
wave n. 33
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

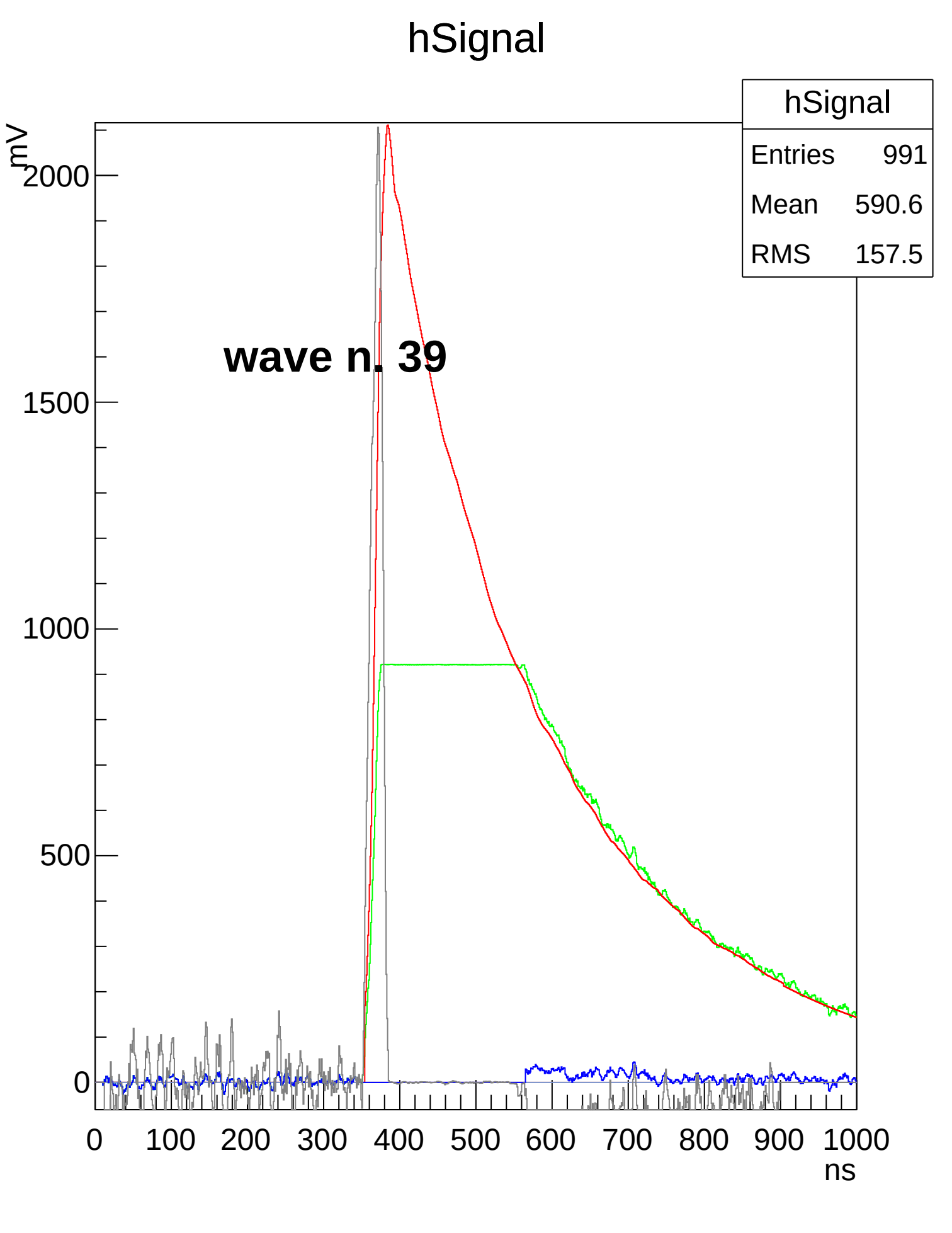

hSignal
hSignal
Entries 991
Mean 484.3
RMS 168.8
wave n. 34
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

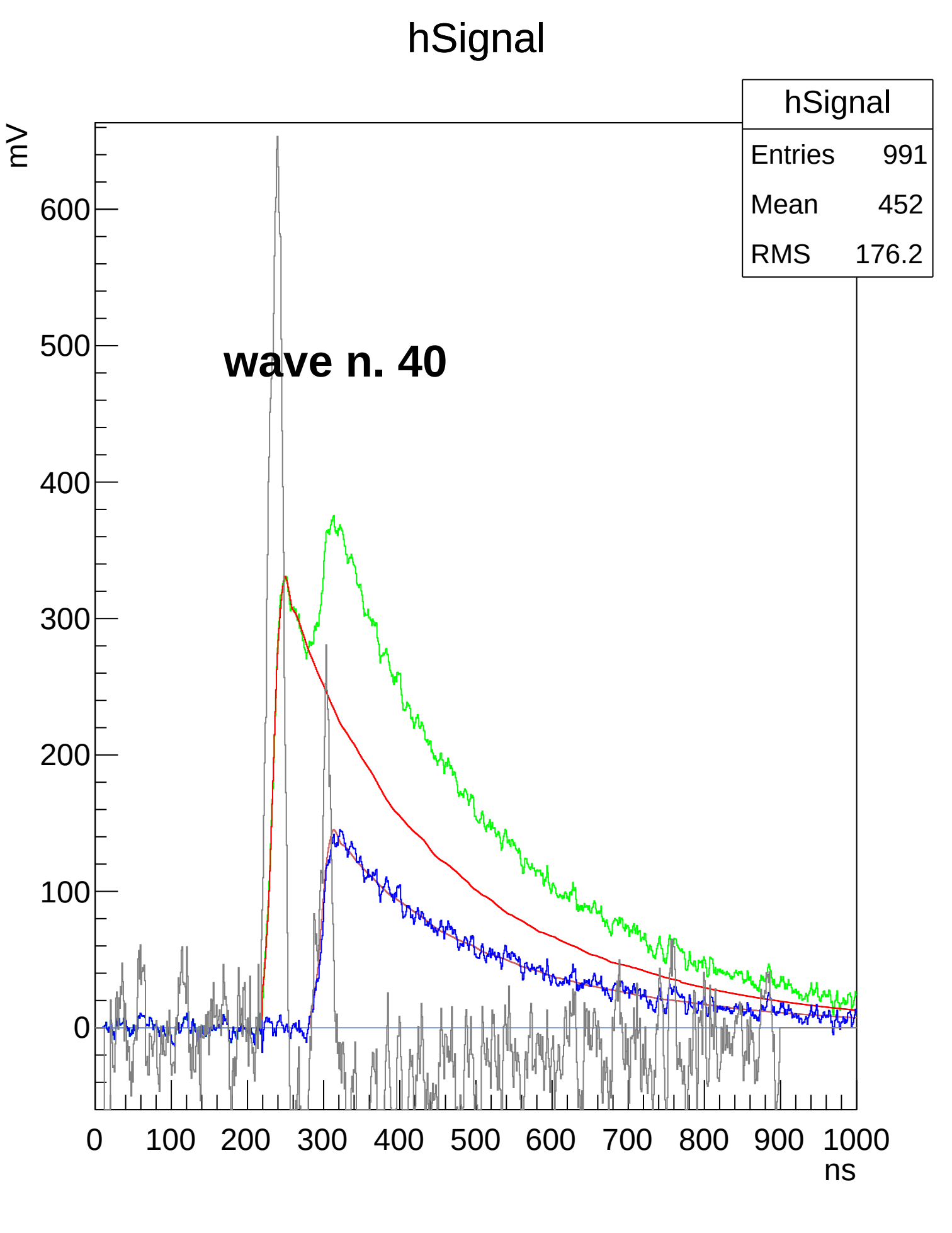

hSignal
hSignal
Entries 991
Mean 522.4
RMS 172.7
wave n. 35
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

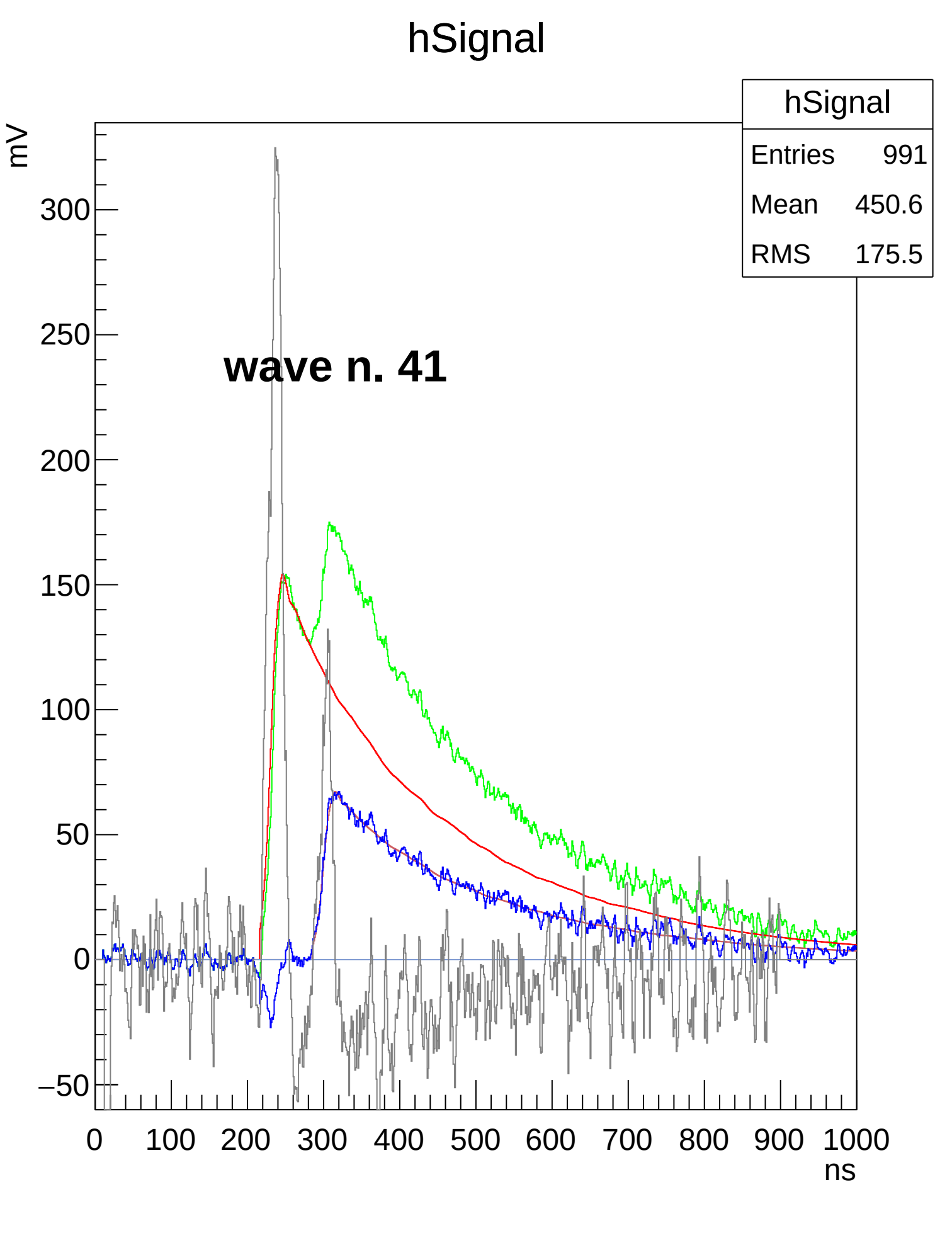

hSignal
hSignal
Entries 991
Mean 578.2
RMS 151
wave n. 36
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

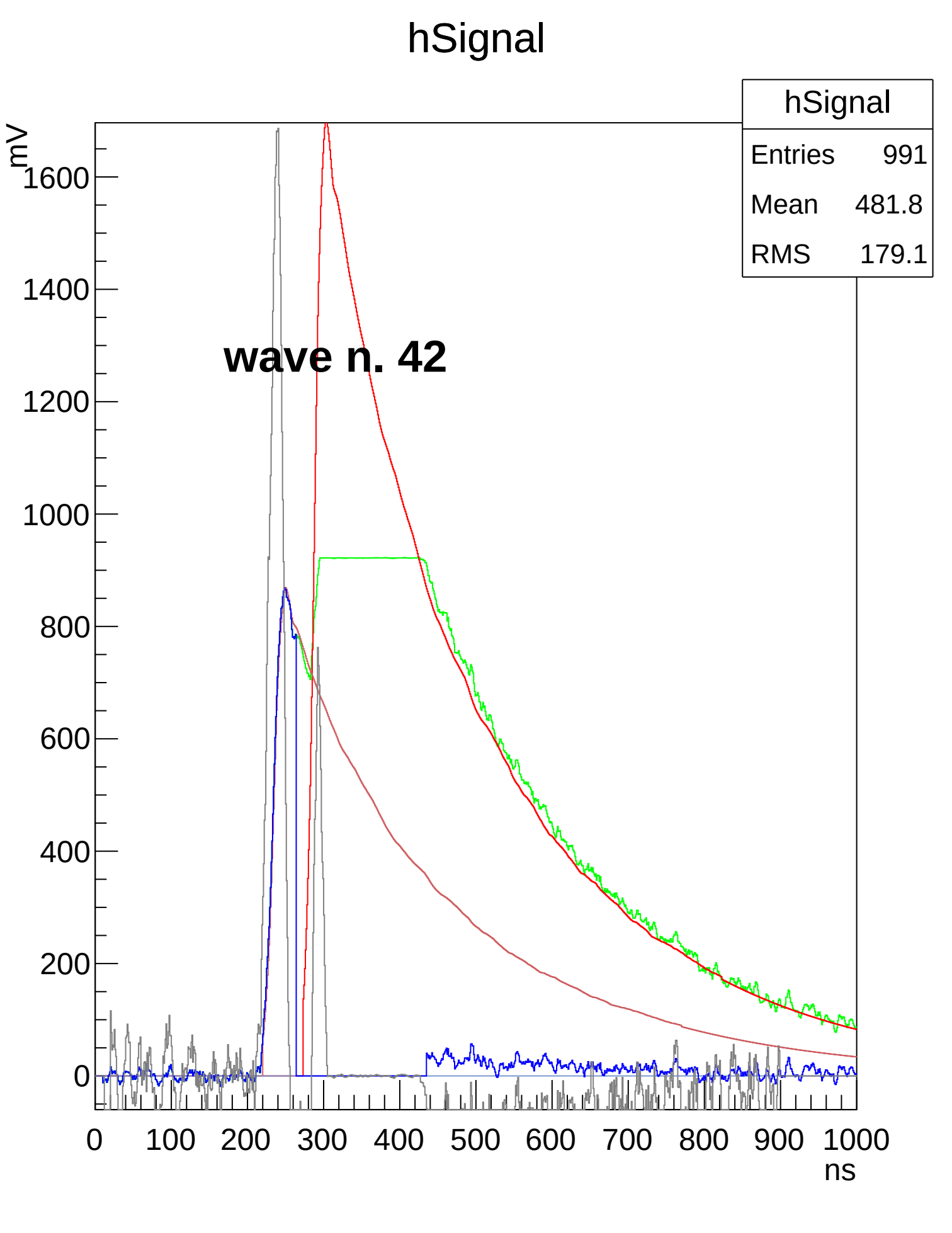

hSignal
hSignal
Entries 991
Mean 568
RMS 152.6
wave n. 37
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

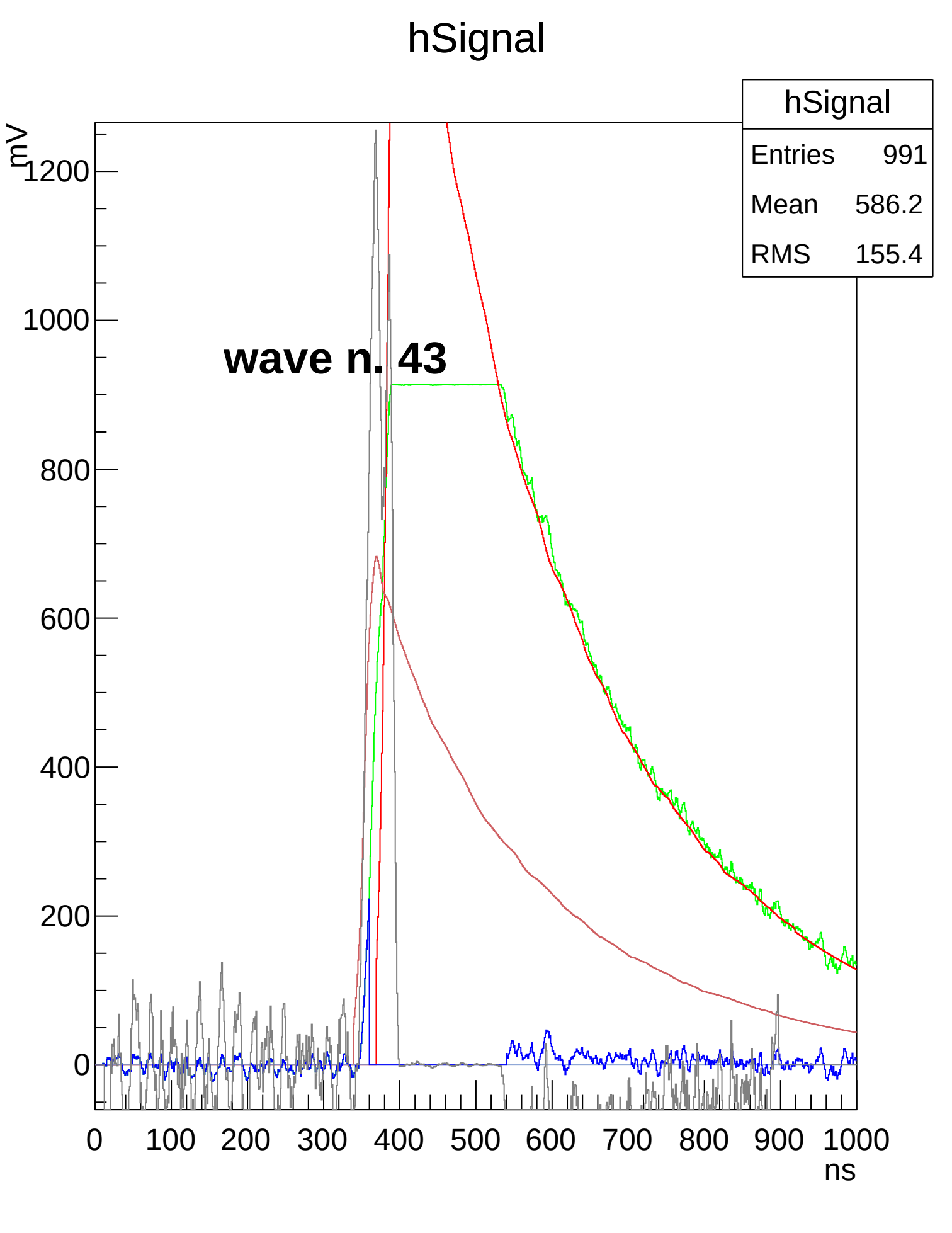

hSignal
hSignal
Entries 991
Mean 579.9
RMS 151.3
wave n. 38
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

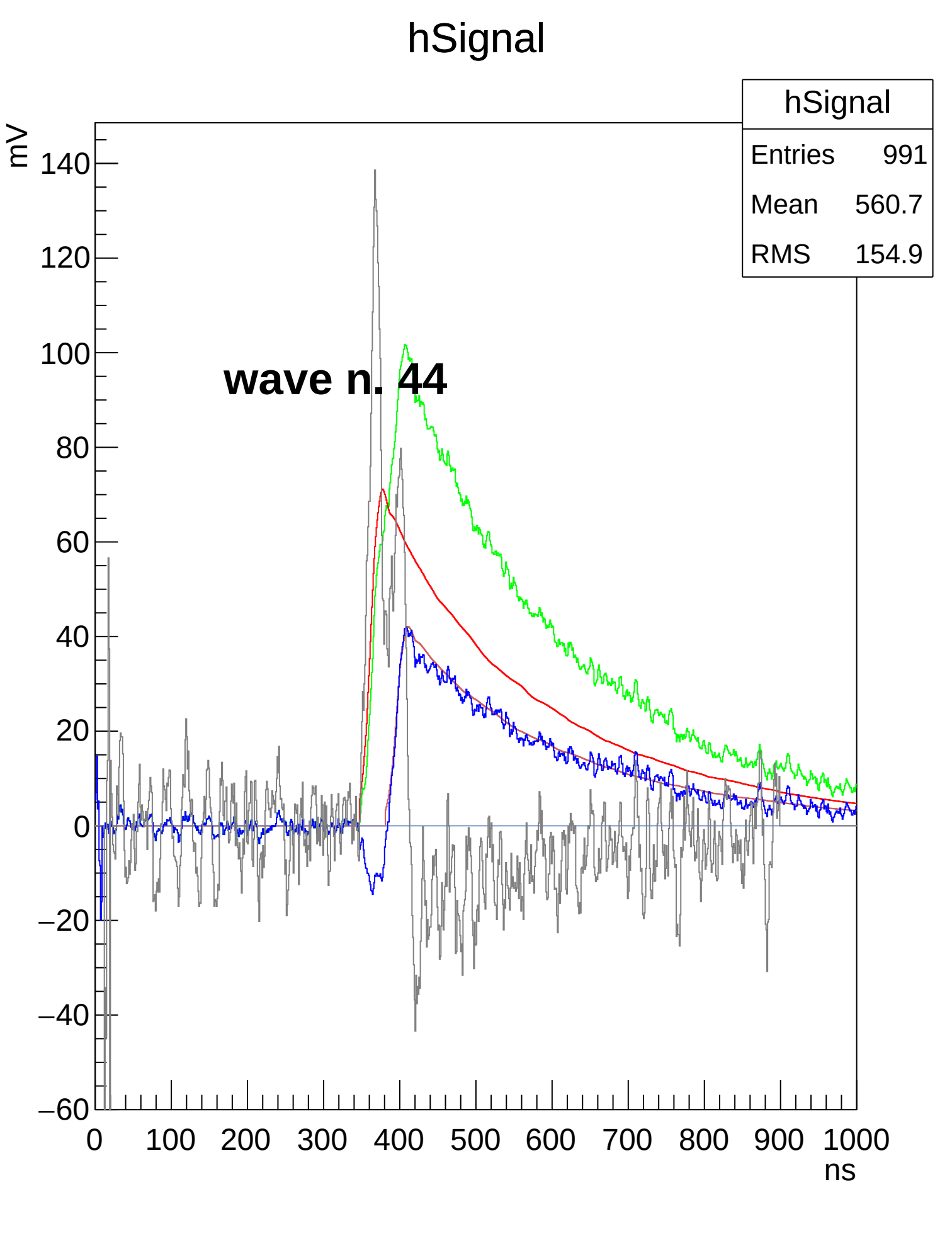

hSignal
hSignal
Entries 991
Mean 590.6
RMS 157.5
wave n. 39
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

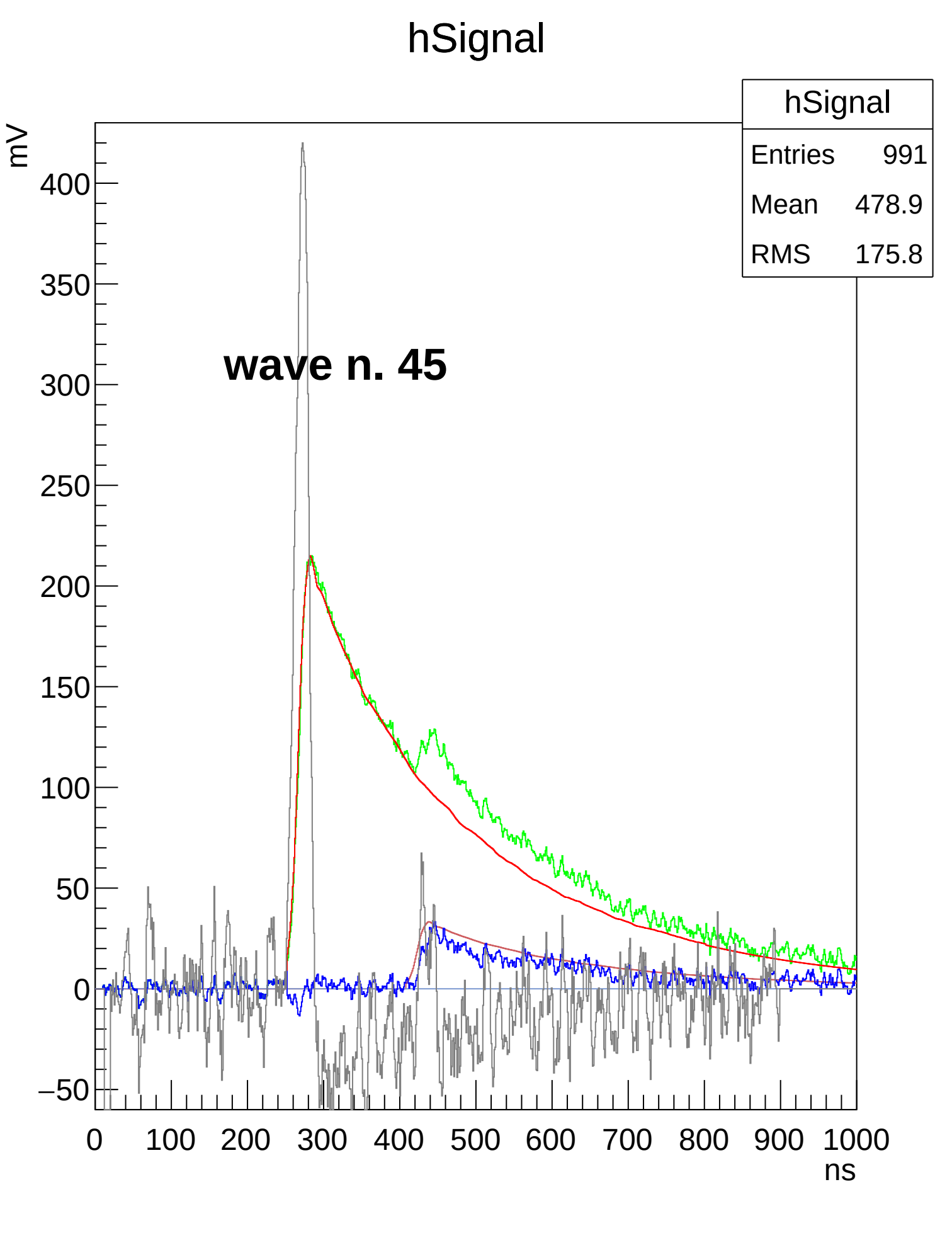

hSignal
hSignal
Entries 991
Mean 452
RMS 176.2
wave n. 40
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

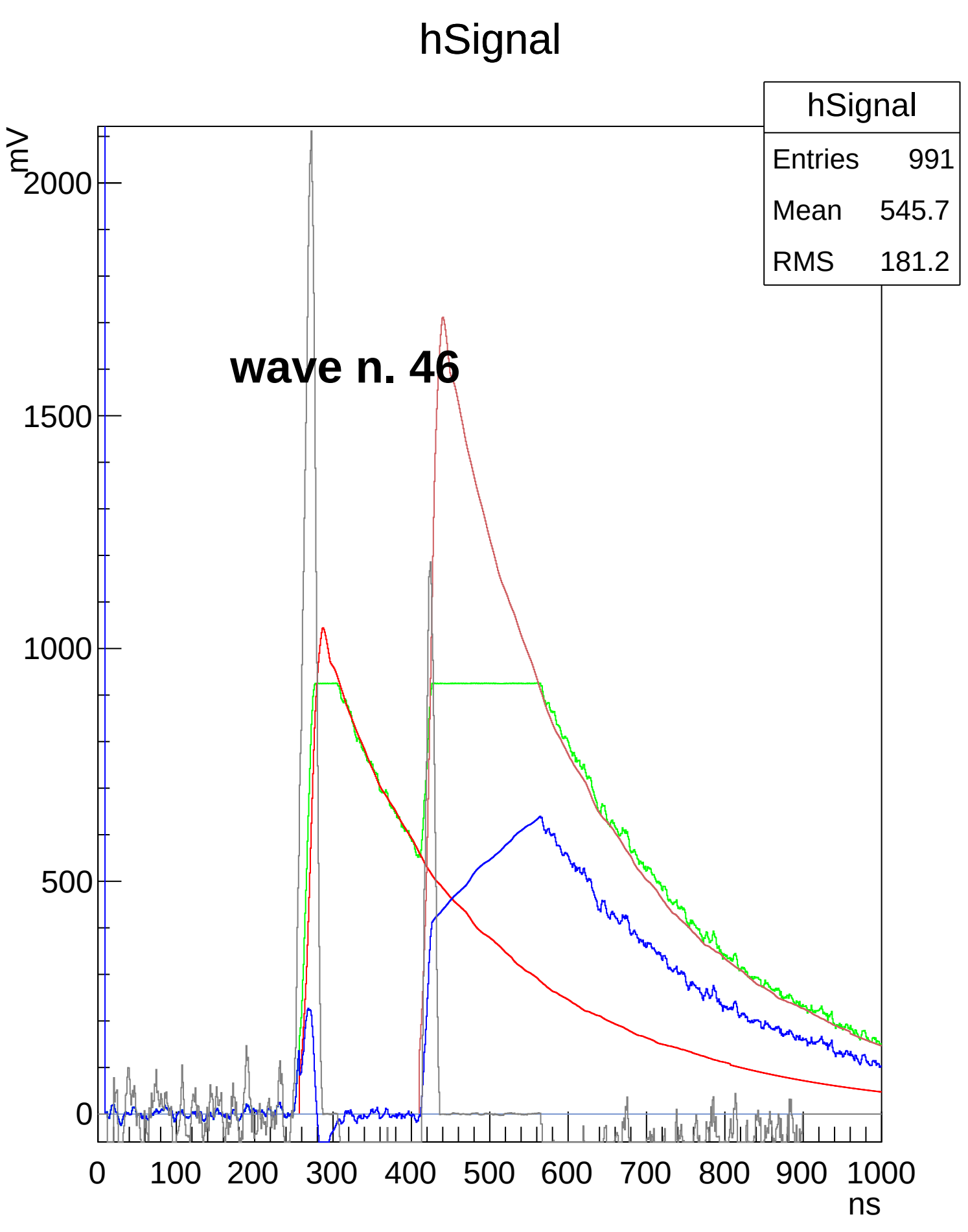

hSignal
hSignal
Entries 991
Mean 450.6
RMS 175.5
wave n. 41
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

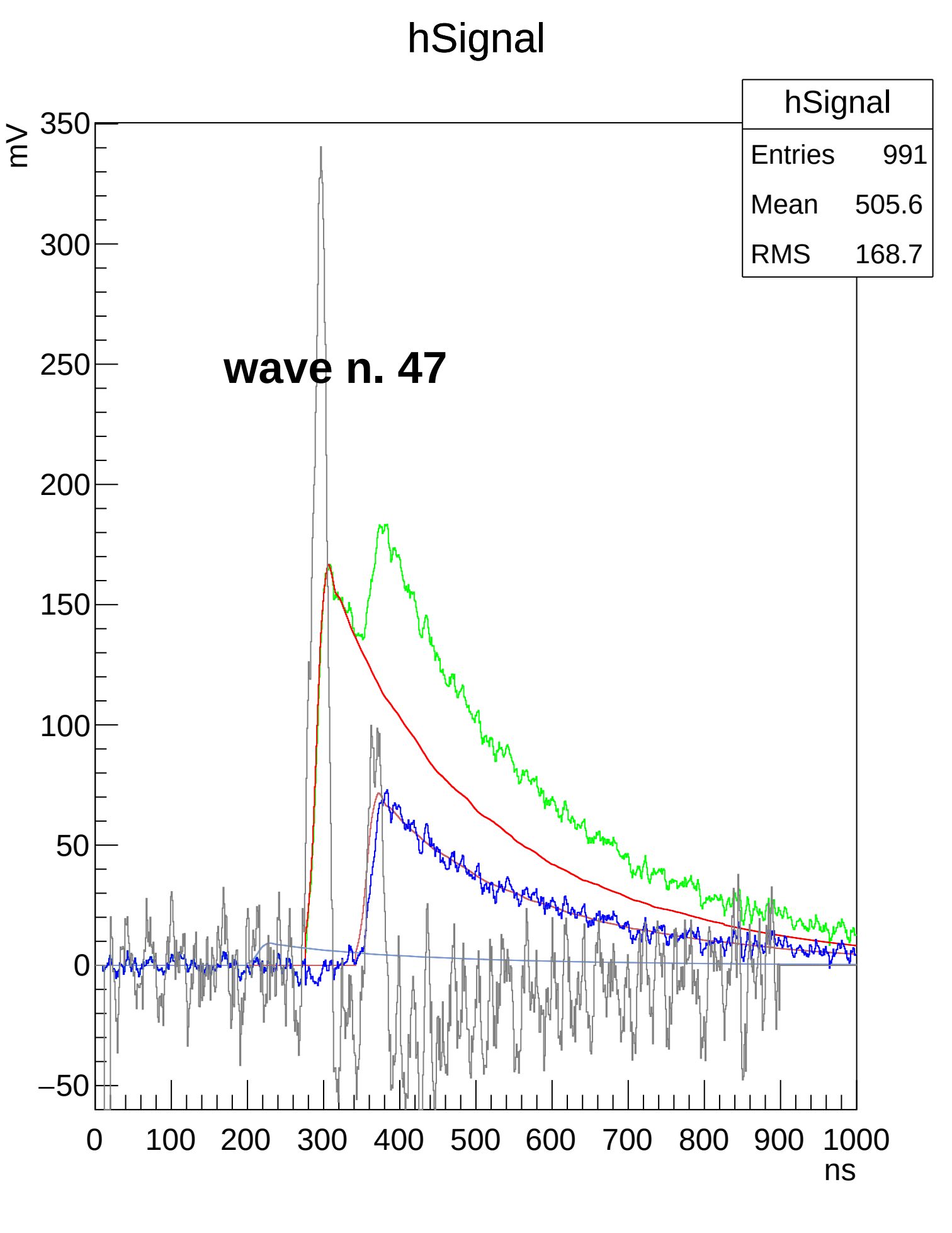

hSignal
hSignal
Entries 991
Mean 481.8
RMS 179.1
wave n. 42
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

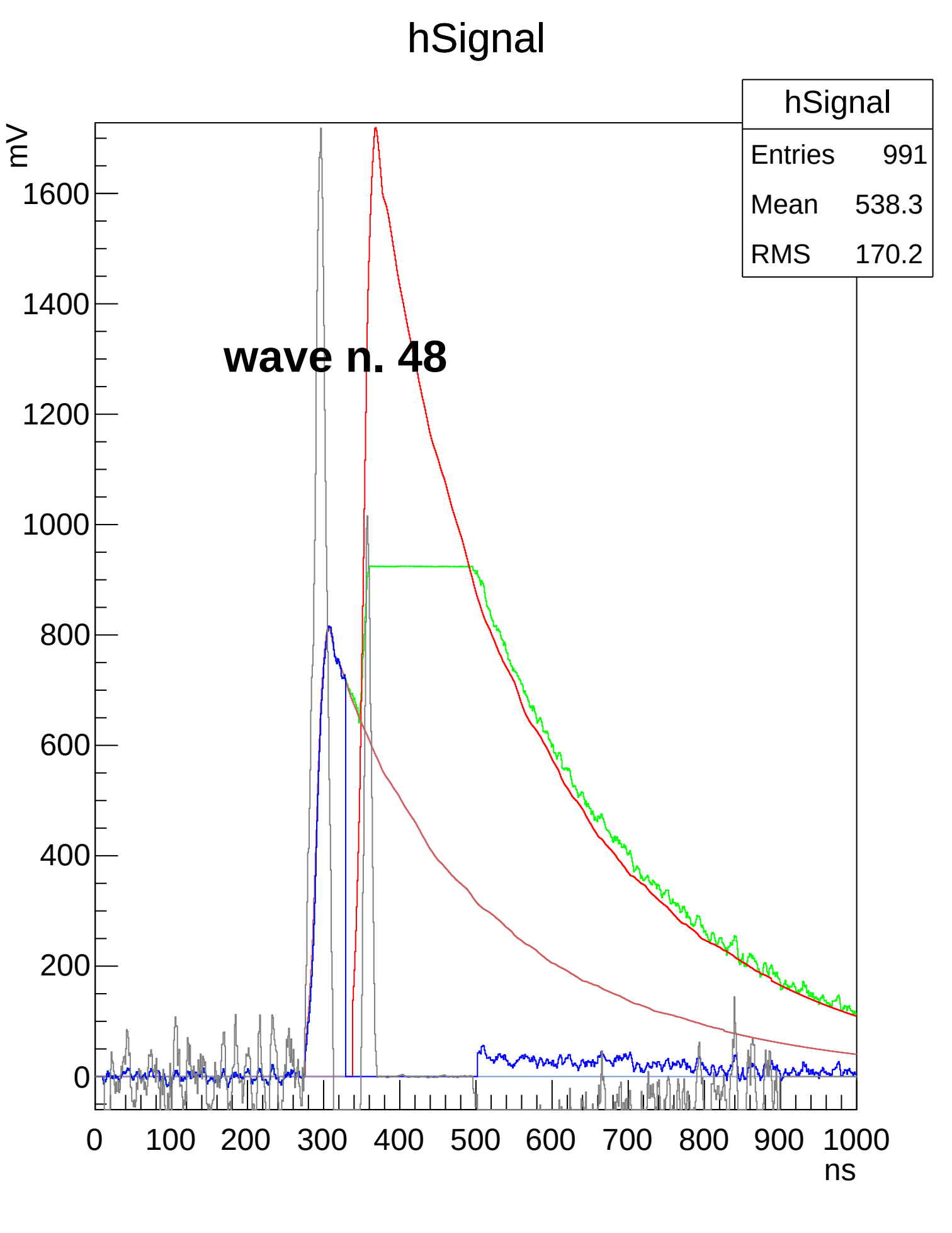

hSignal
hSignal
Entries 991
Mean 586.2
RMS 155.4
wave n. 43
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

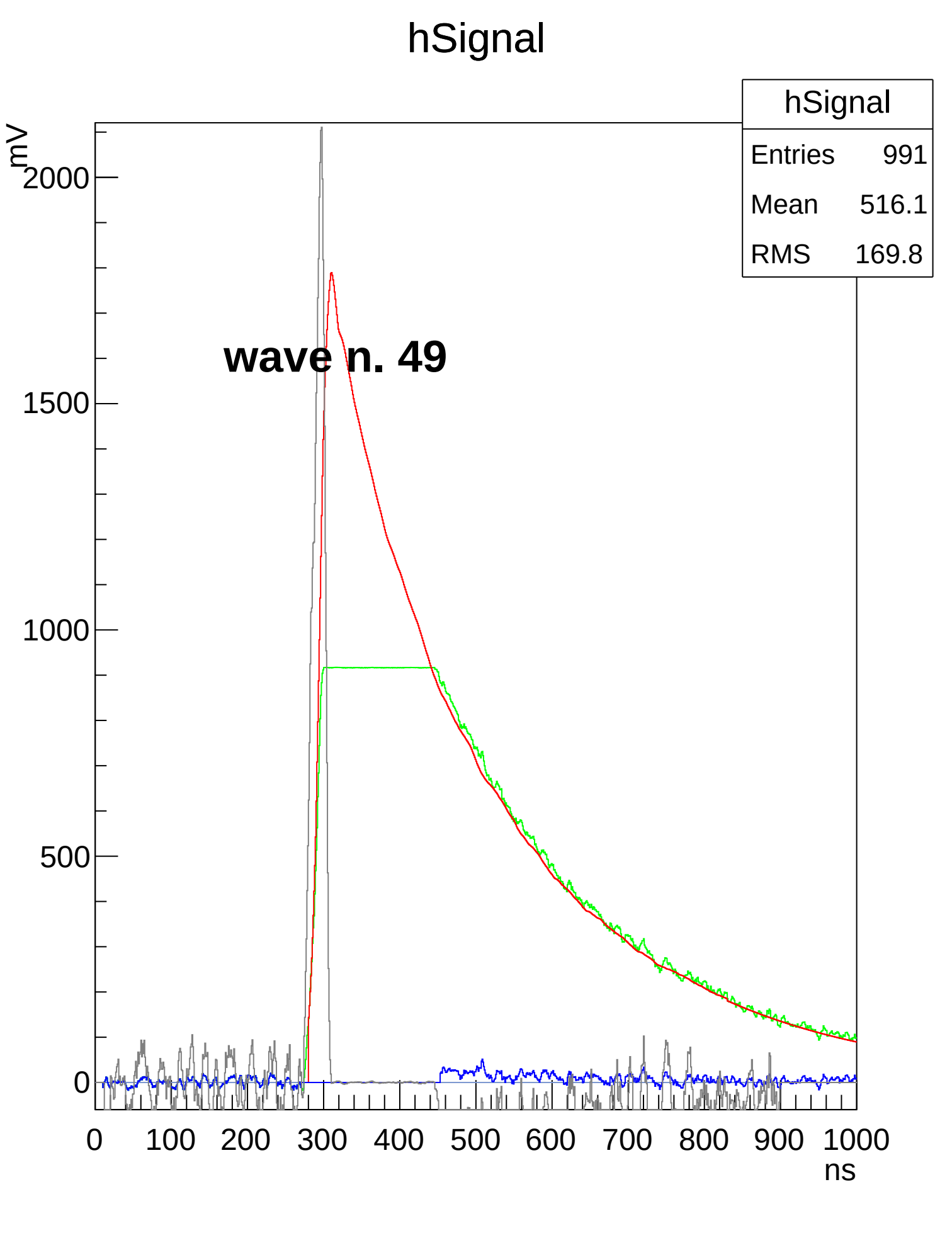

hSignal
hSignal
Entries 991
Mean 560.7
RMS 154.9
wave n. 44
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

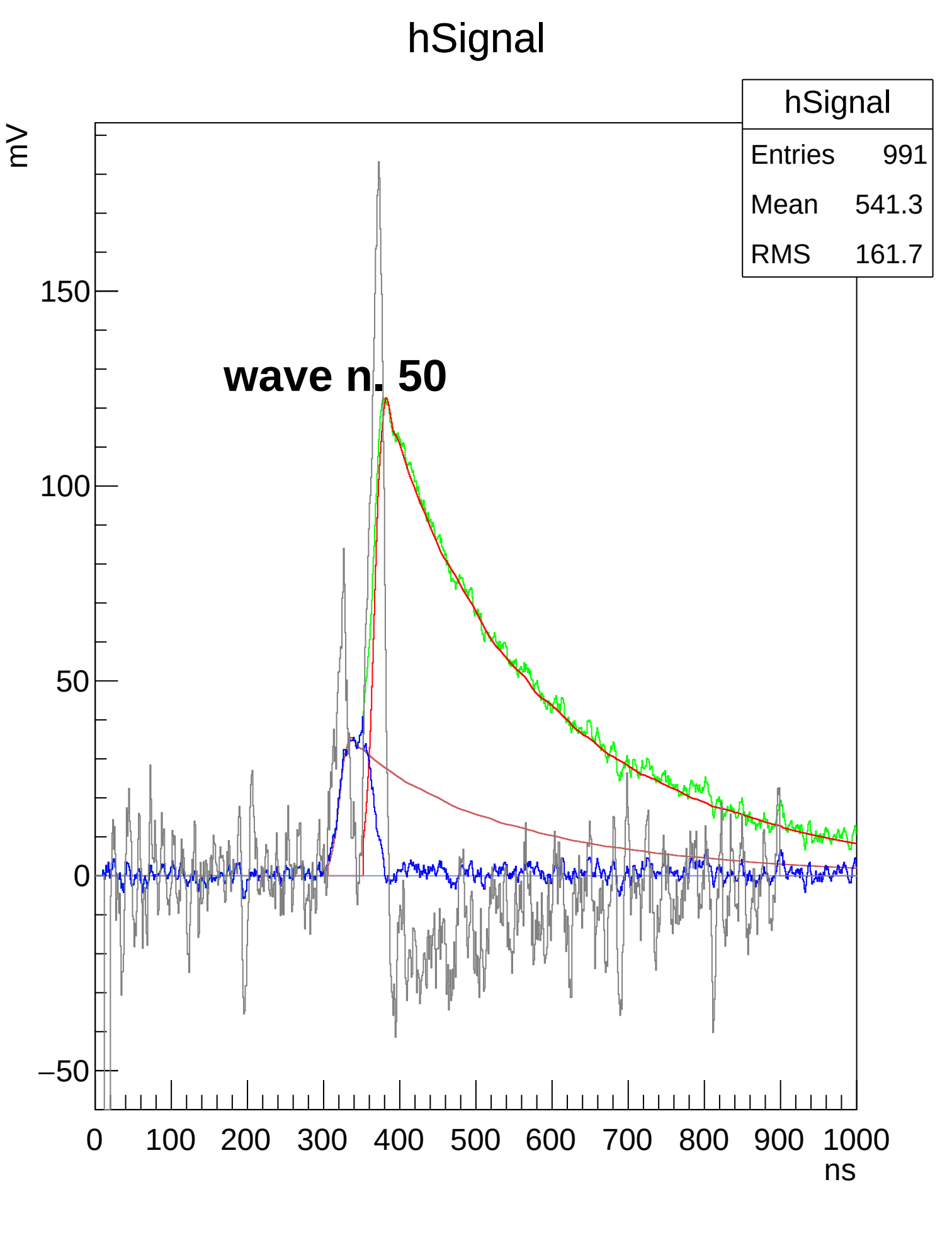

hSignal
hSignal
Entries 991
Mean 478.9
RMS 175.8
wave n. 45
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

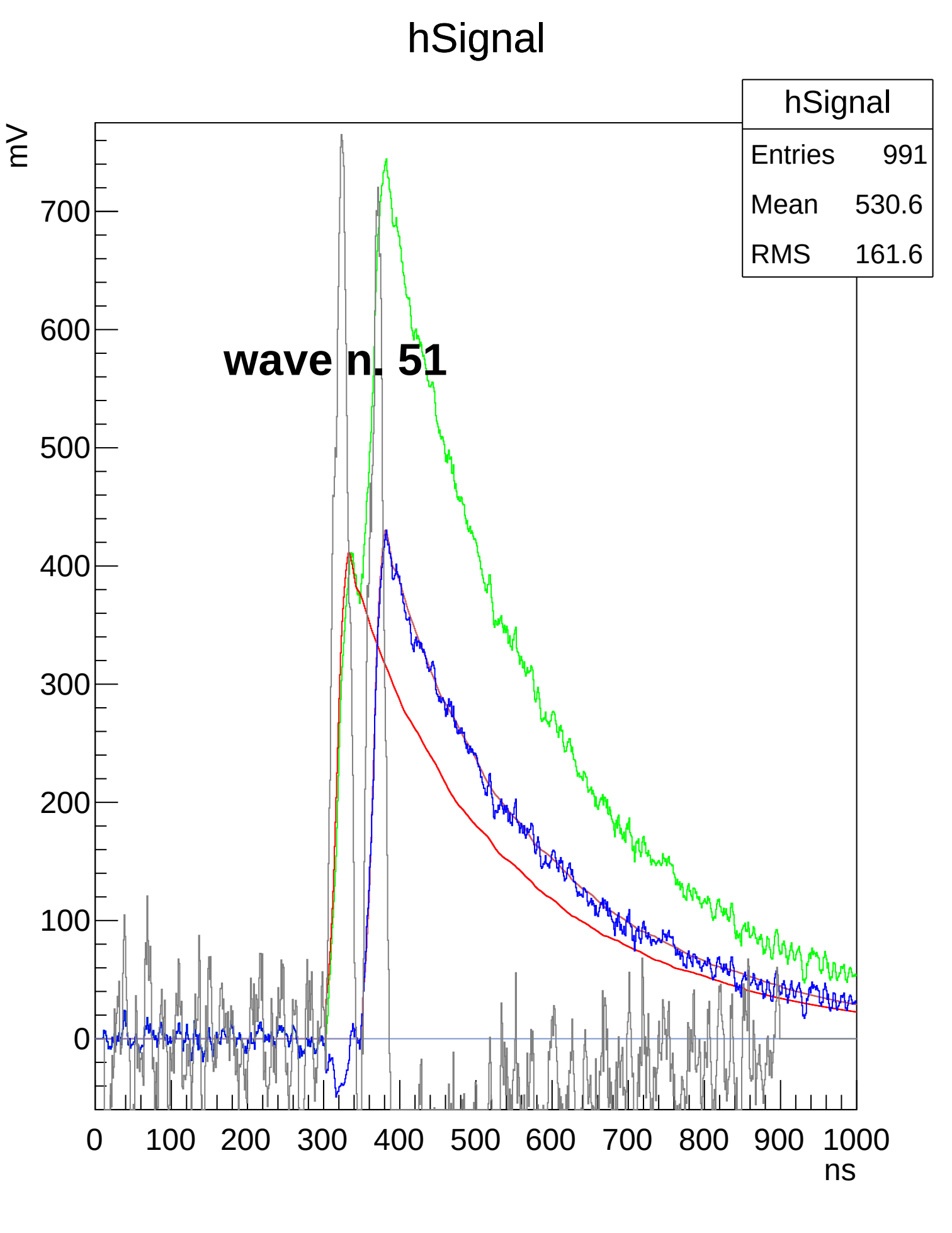

hSignal
hSignal
Entries 991
Mean 545.7
RMS 181.2
wave n. 46
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

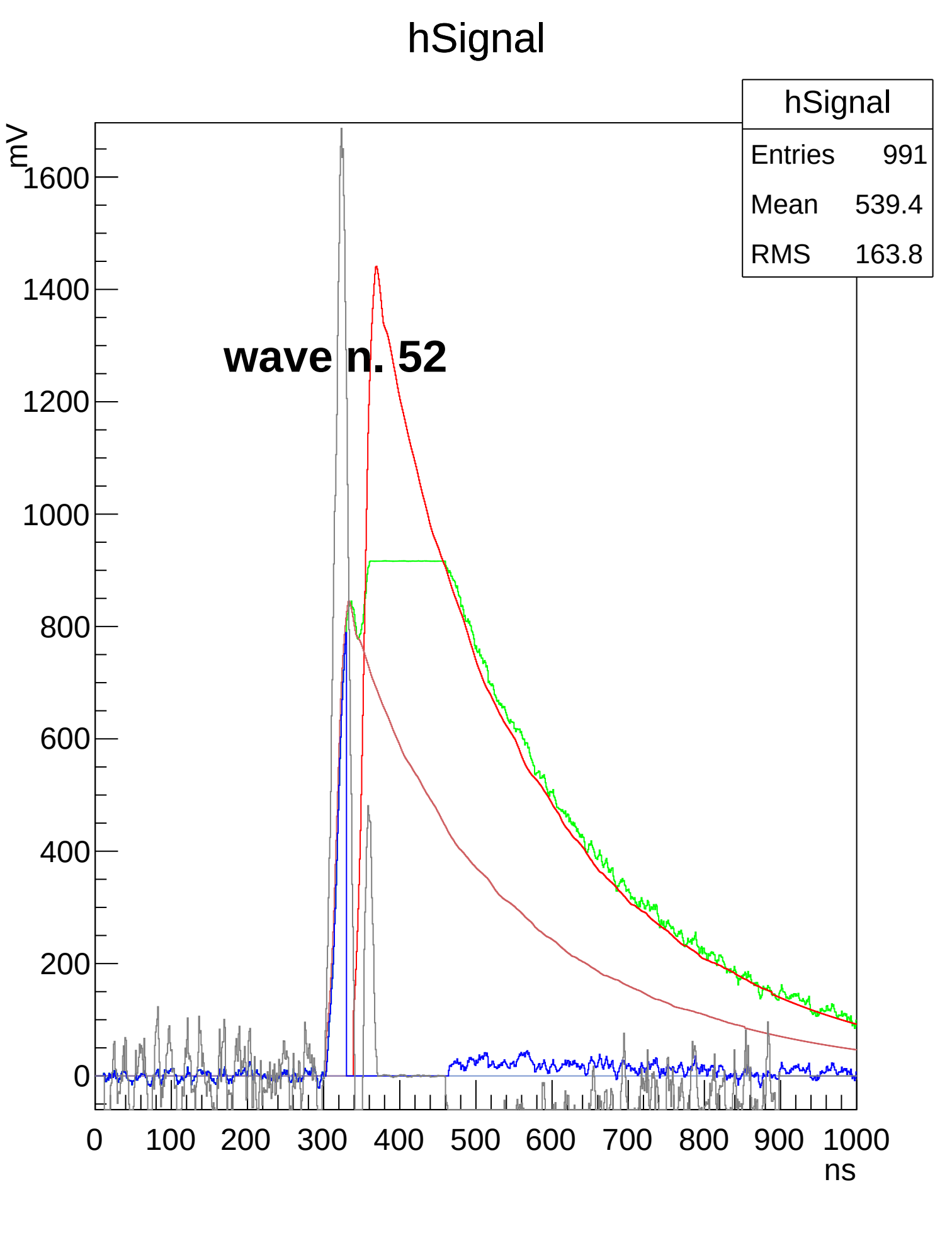

hSignal
hSignal
Entries 991
Mean 505.6
RMS 168.7
wave n. 47
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

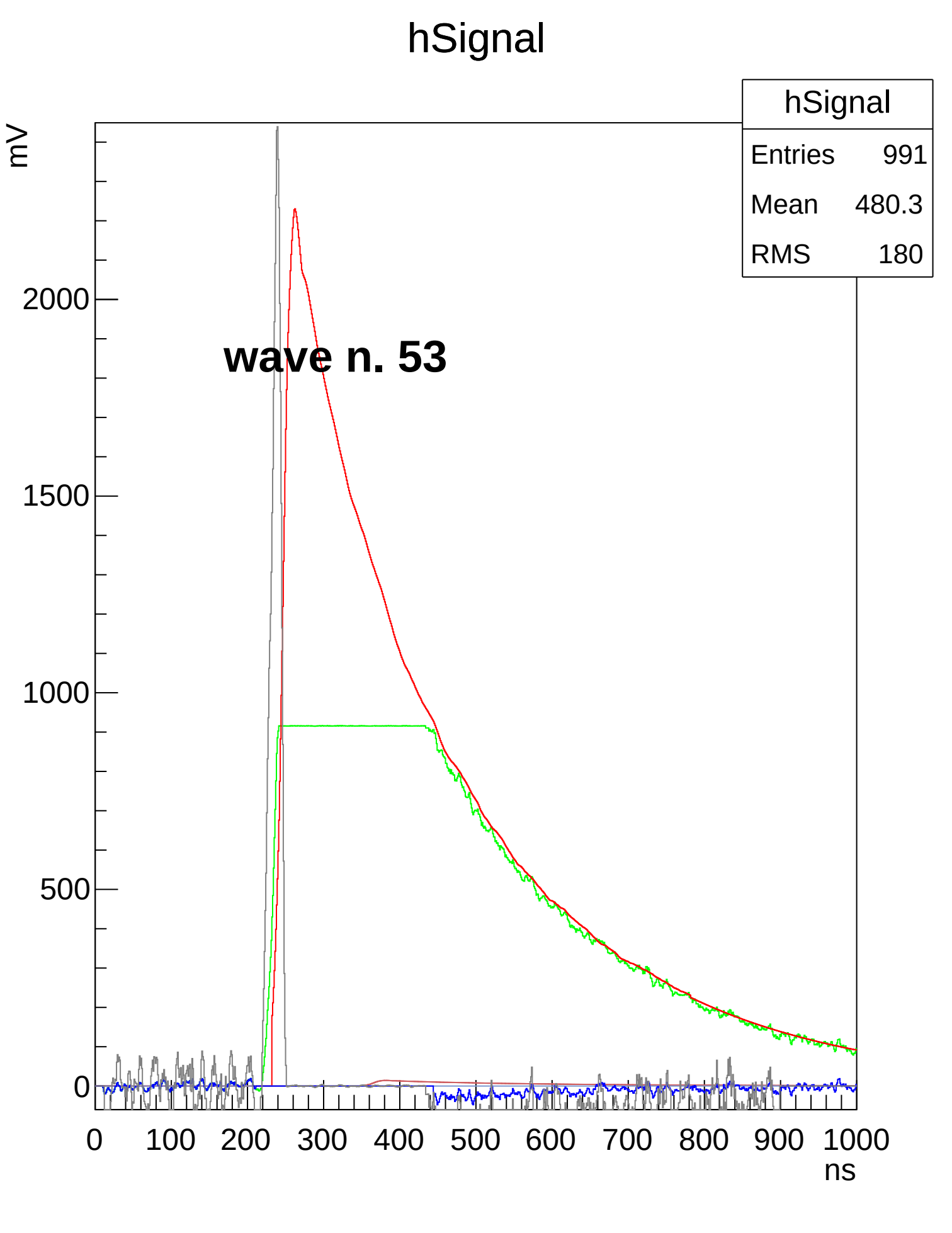

hSignal
hSignal
Entries 991
Mean 538.3
RMS 170.2
wave n. 48
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

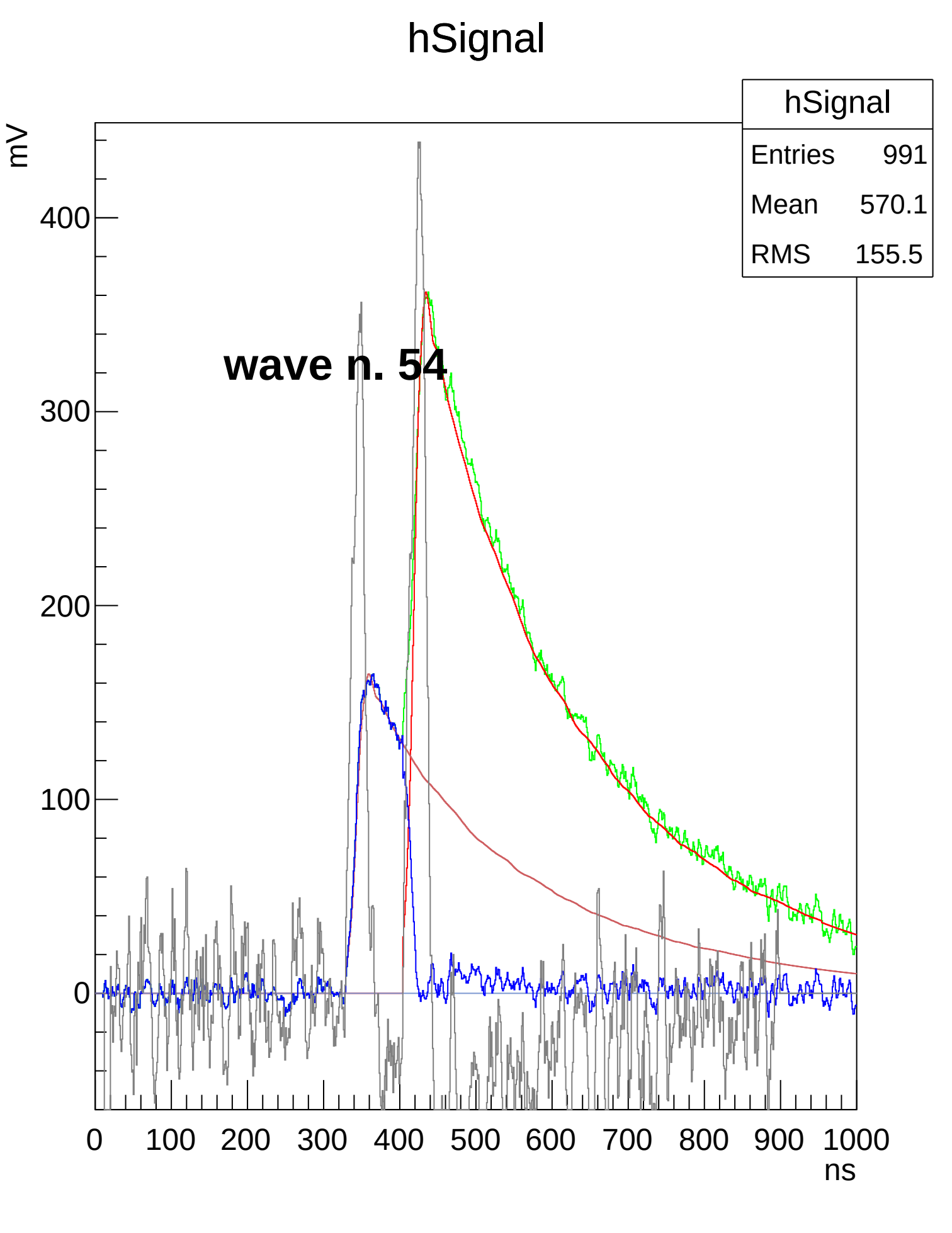

hSignal
hSignal
Entries 991
Mean 516.1
RMS 169.8
wave n. 49
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

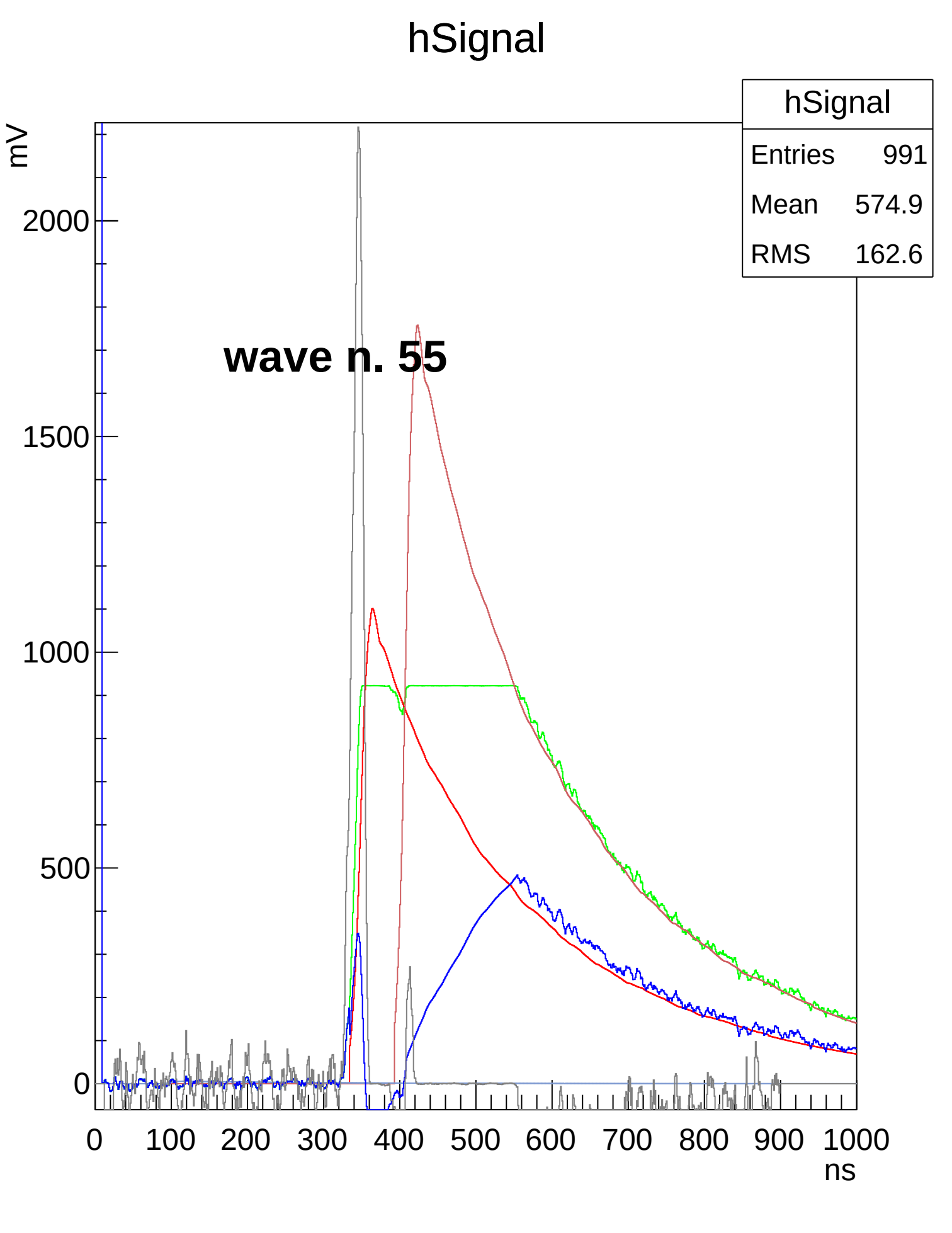

hSignal
hSignal
Entries 991
Mean 541.3
RMS 161.7
wave n. 50
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

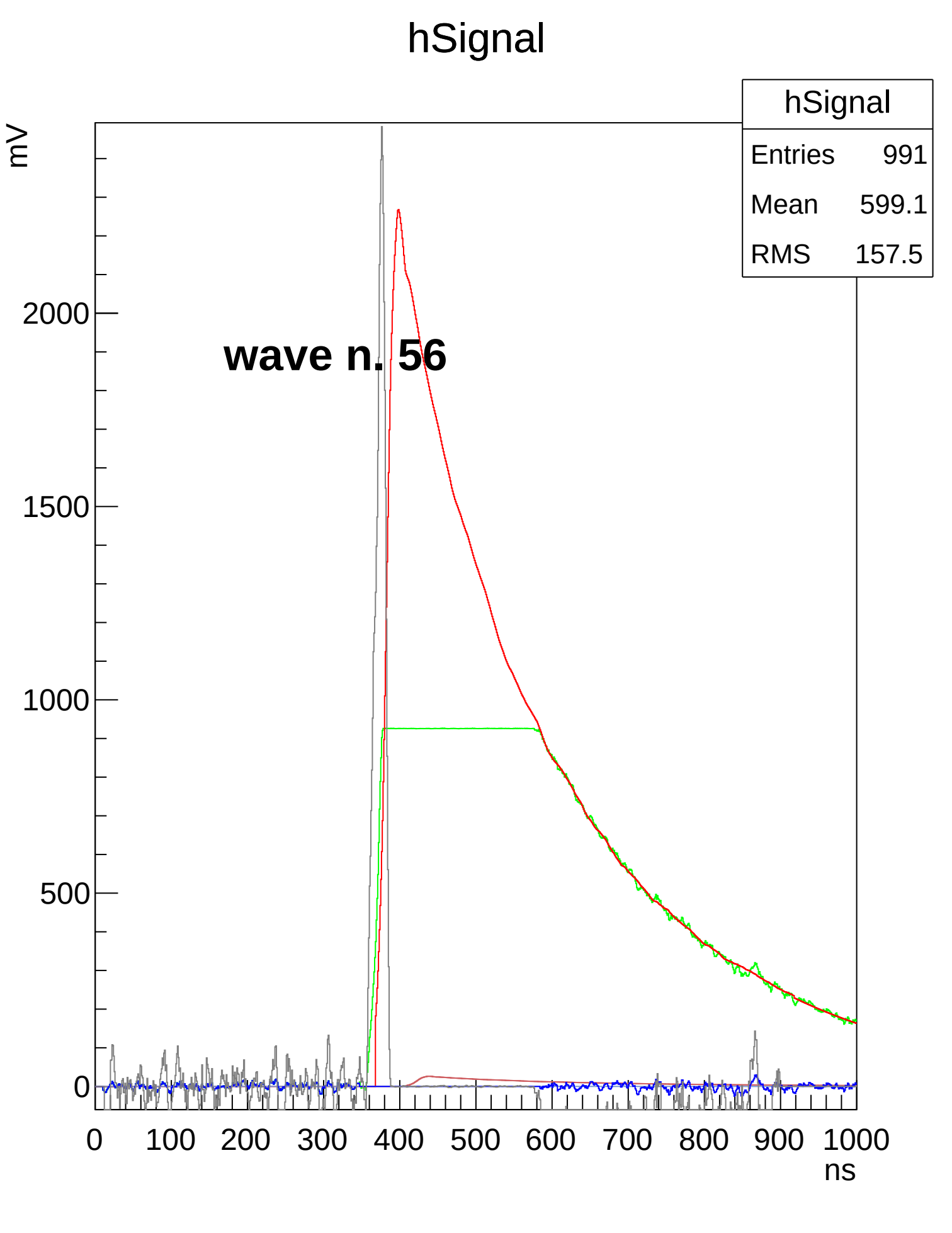

hSignal
hSignal
Entries 991
Mean 530.6
RMS 161.6
wave n. 51
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

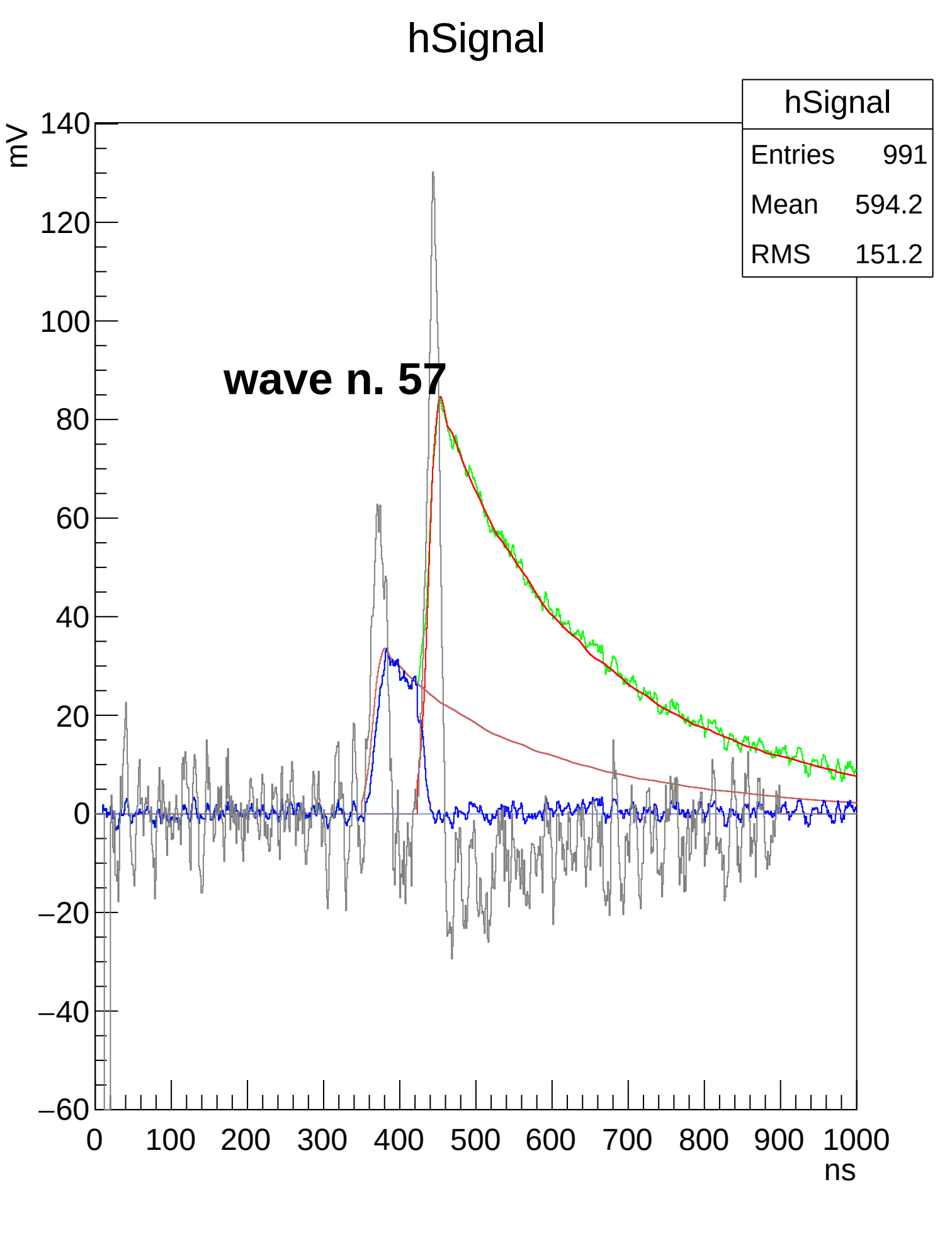

hSignal
hSignal
Entries 991
Mean 539.4
RMS 163.8
wave n. 52
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

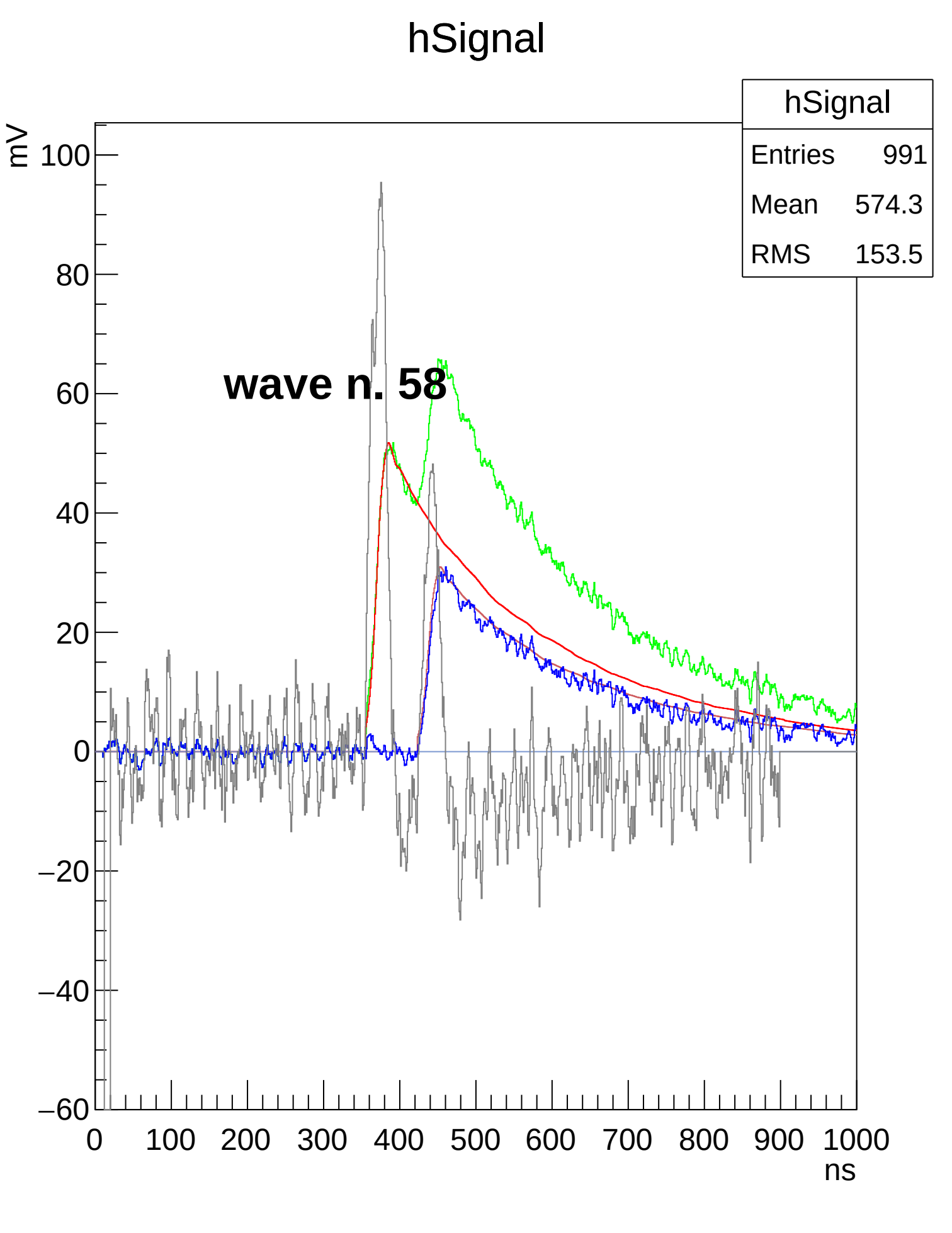

hSignal
hSignal
Entries 991
Mean 480.3
RMS 180
wave n. 53
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

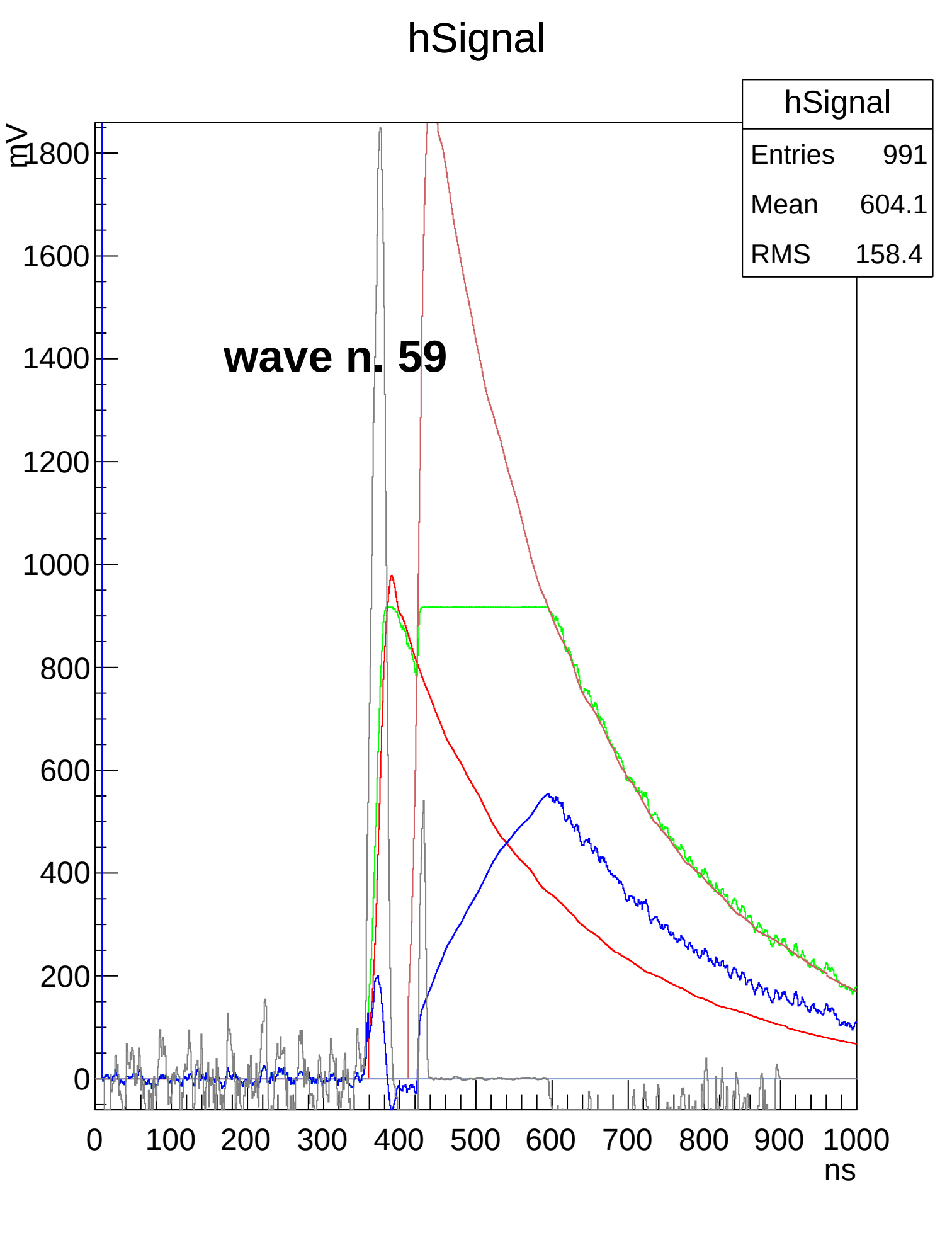

hSignal
hSignal
Entries 991
Mean 570.1
RMS 155.5
wave n. 54
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

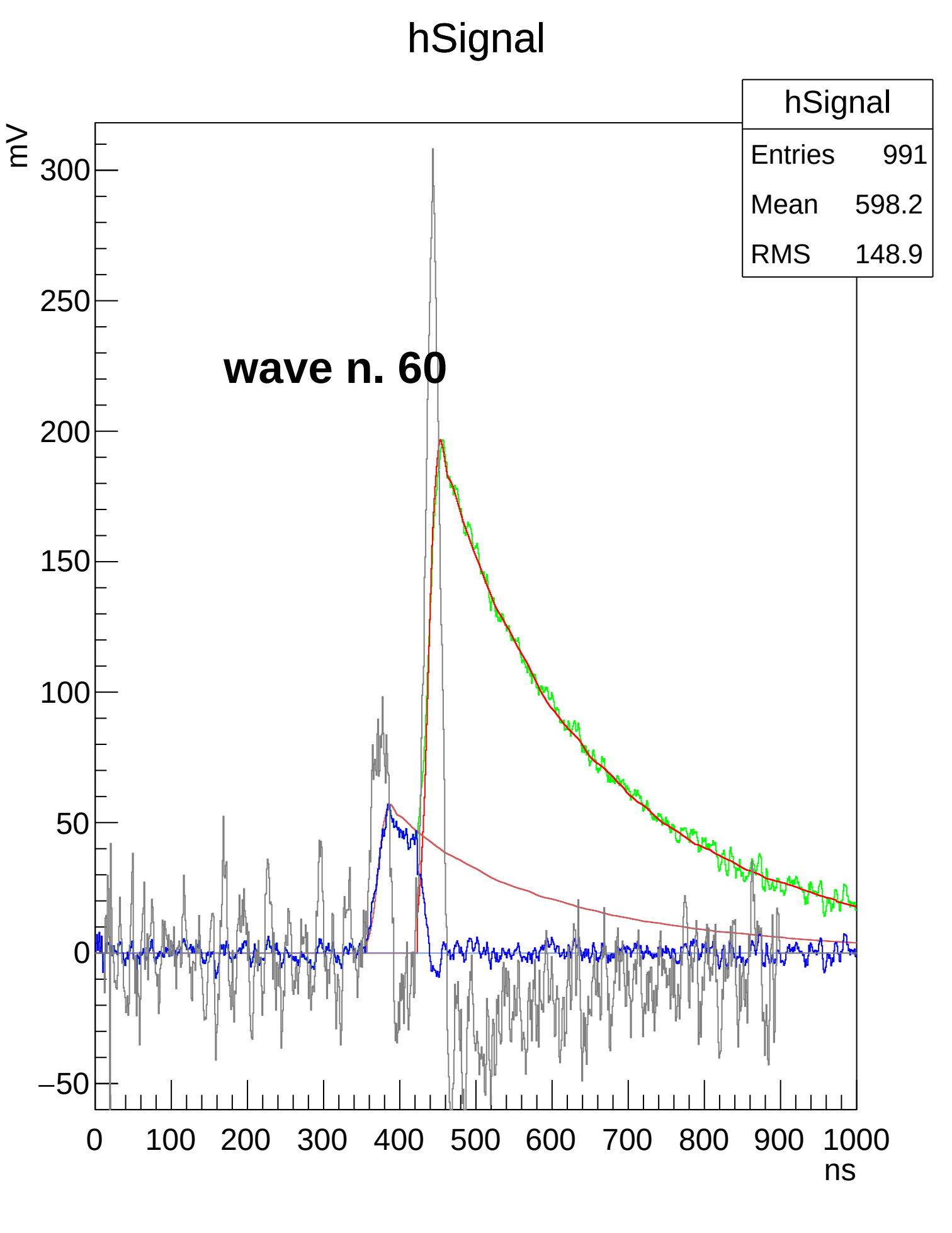

hSignal
hSignal
Entries 991
Mean 574.9
RMS 162.6
wave n. 55
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

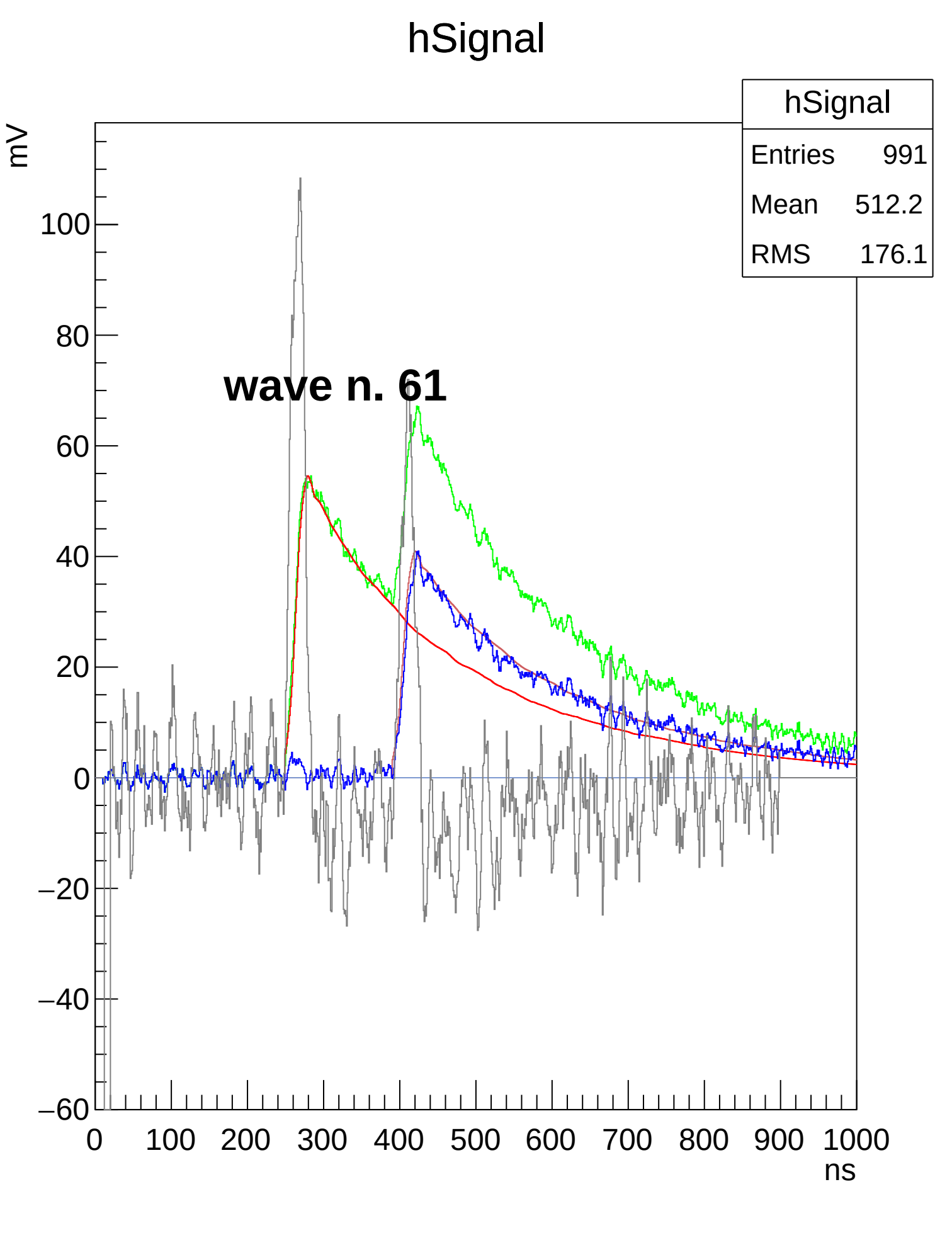

hSignal
hSignal
Entries 991
Mean 599.1
RMS 157.5
wave n. 56
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

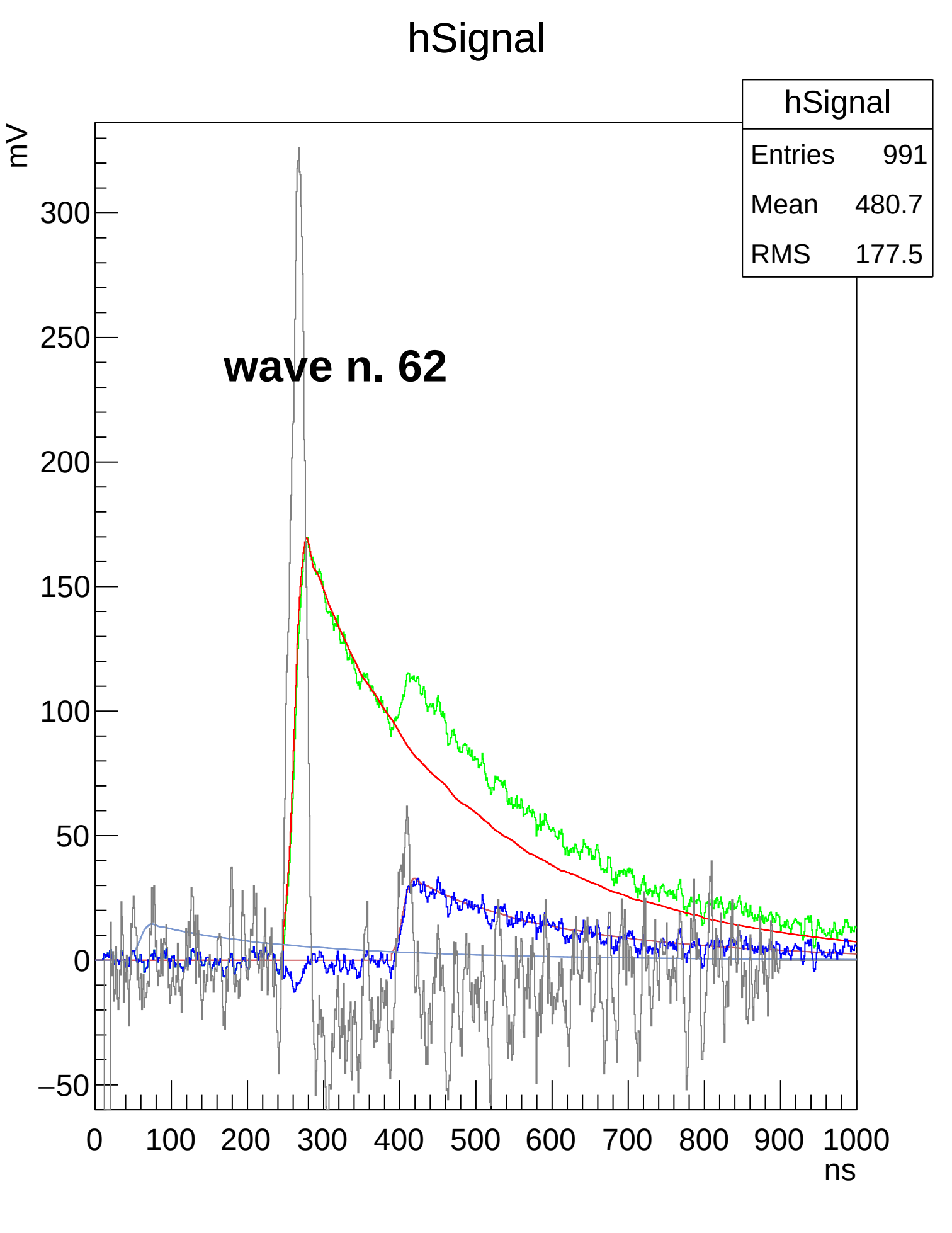

hSignal
hSignal
Entries 991
Mean 594.2
RMS 151.2
wave n. 57
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

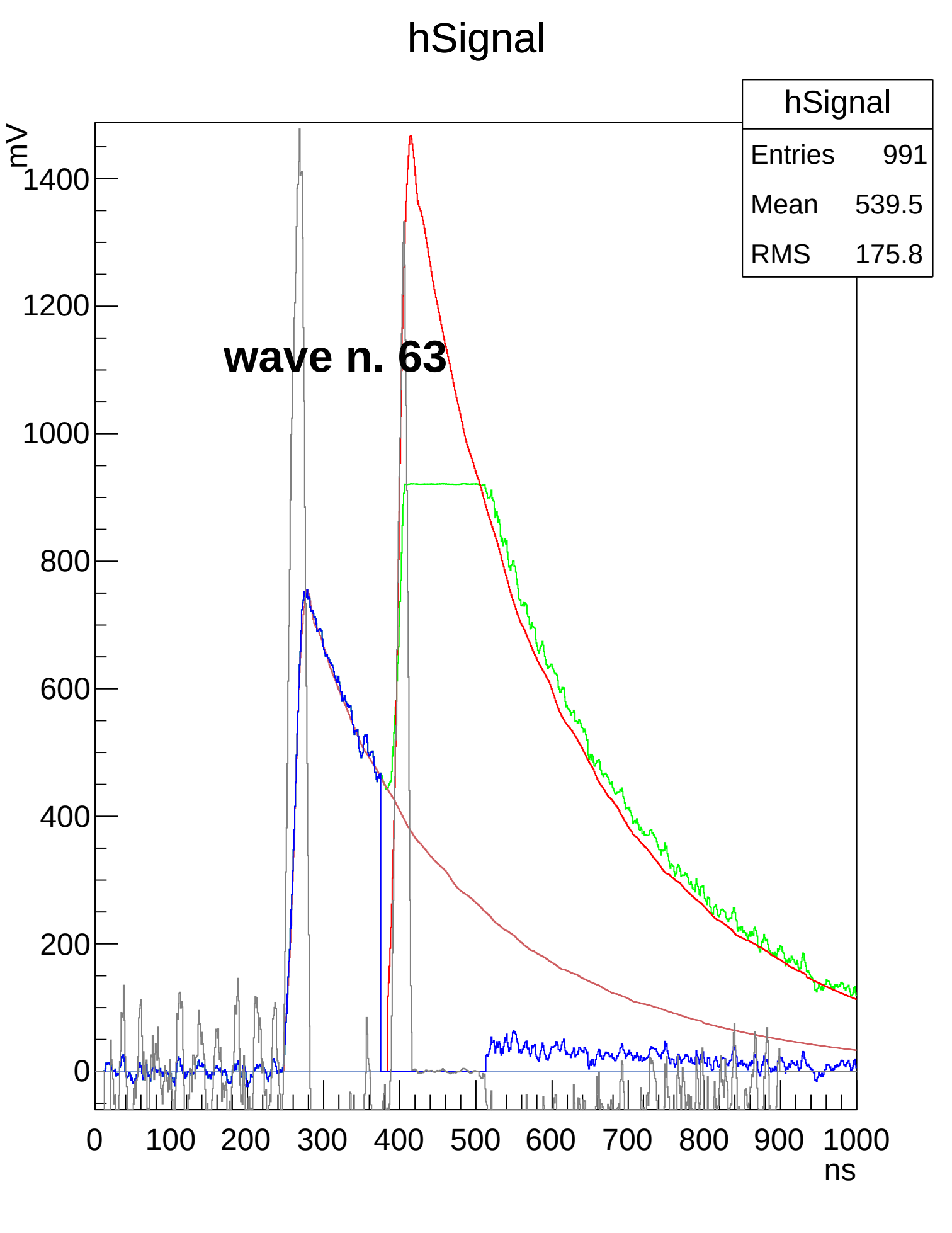

hSignal
hSignal
Entries 991
Mean 574.3
RMS 153.5
wave n. 58
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

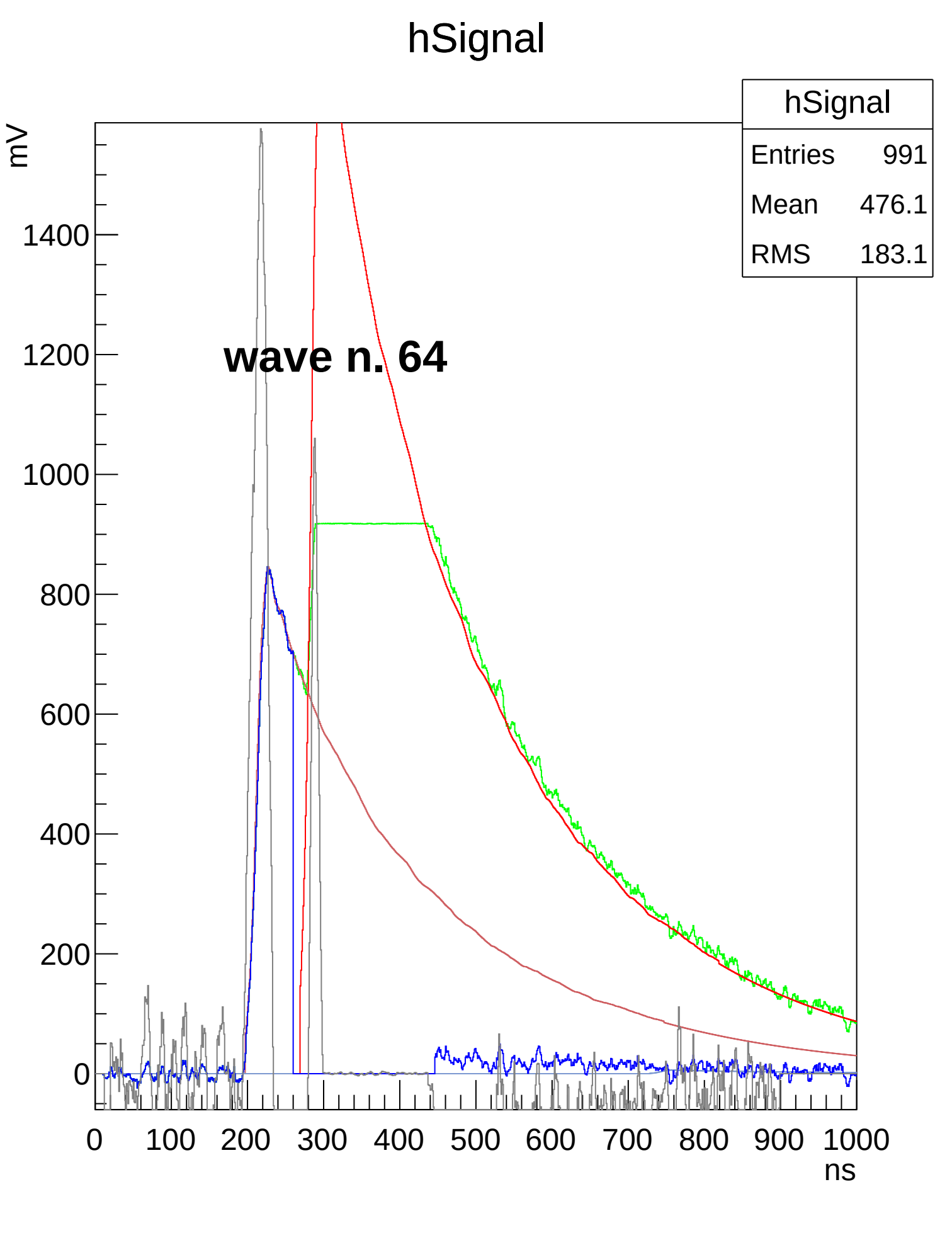

hSignal
hSignal
Entries 991
Mean 604.1
RMS 158.4
wave n. 59
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

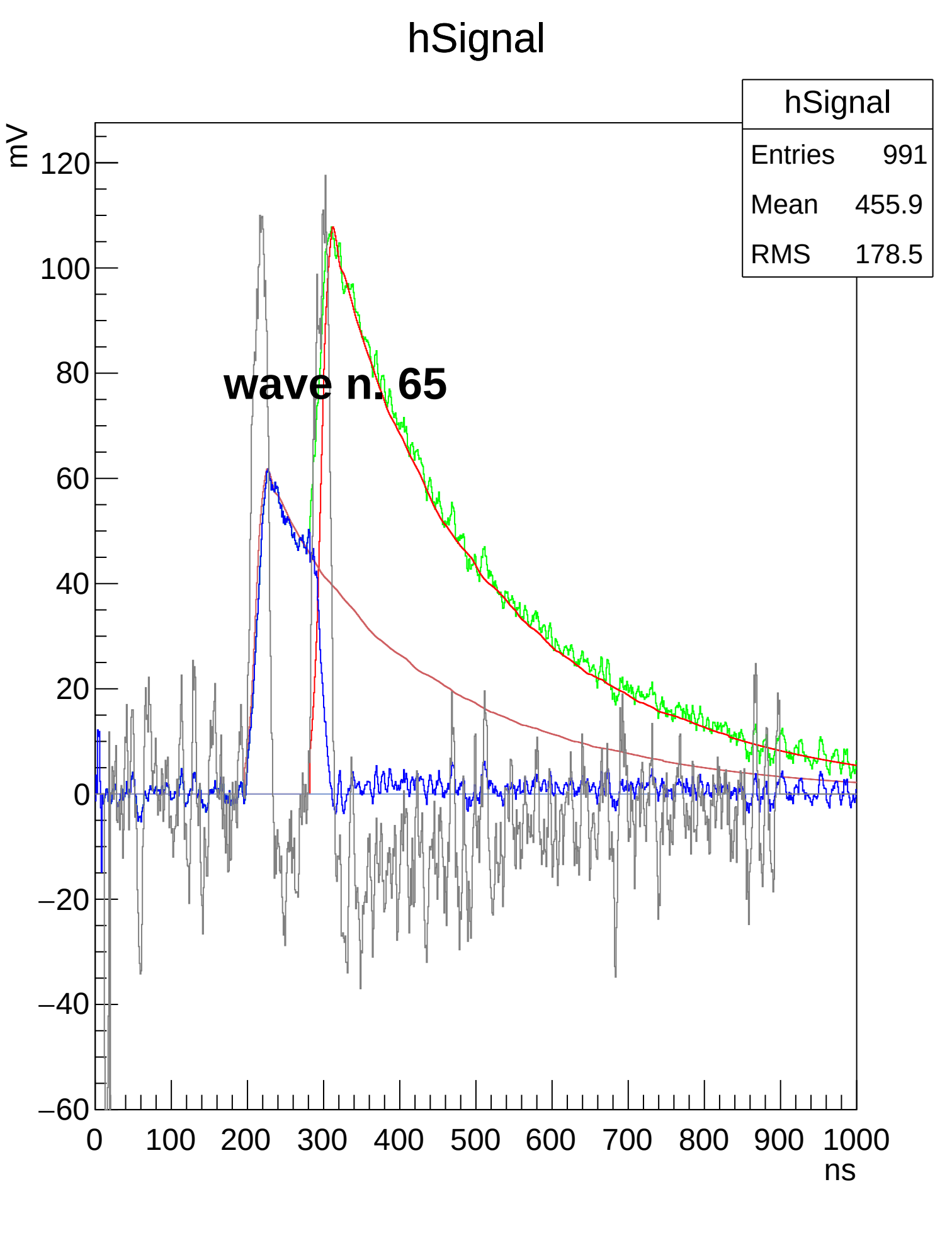

hSignal
hSignal
Entries 991
Mean 598.2
RMS 148.9
wave n. 60
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

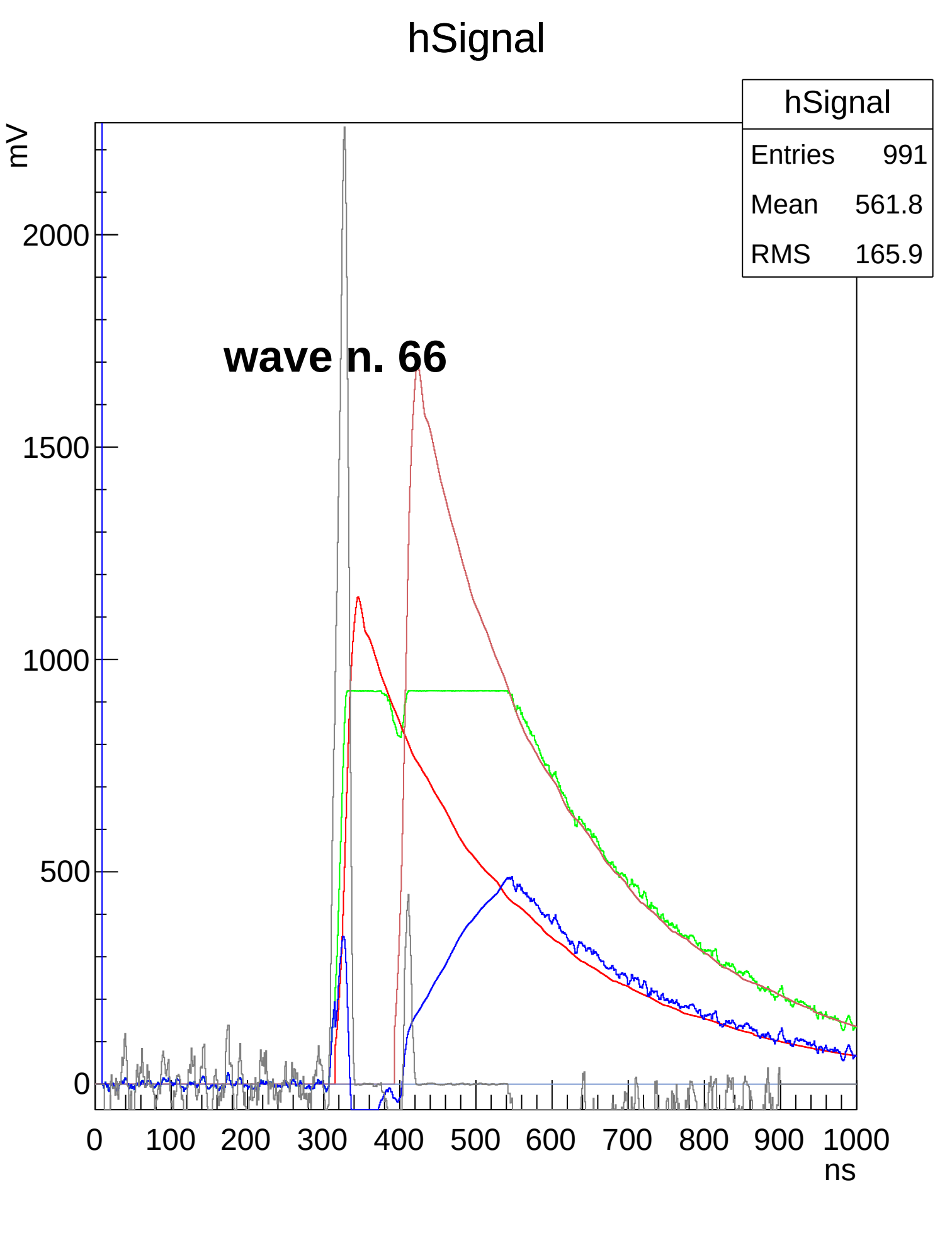

hSignal
hSignal
Entries 991
Mean 512.2
RMS 176.1
wave n. 61
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

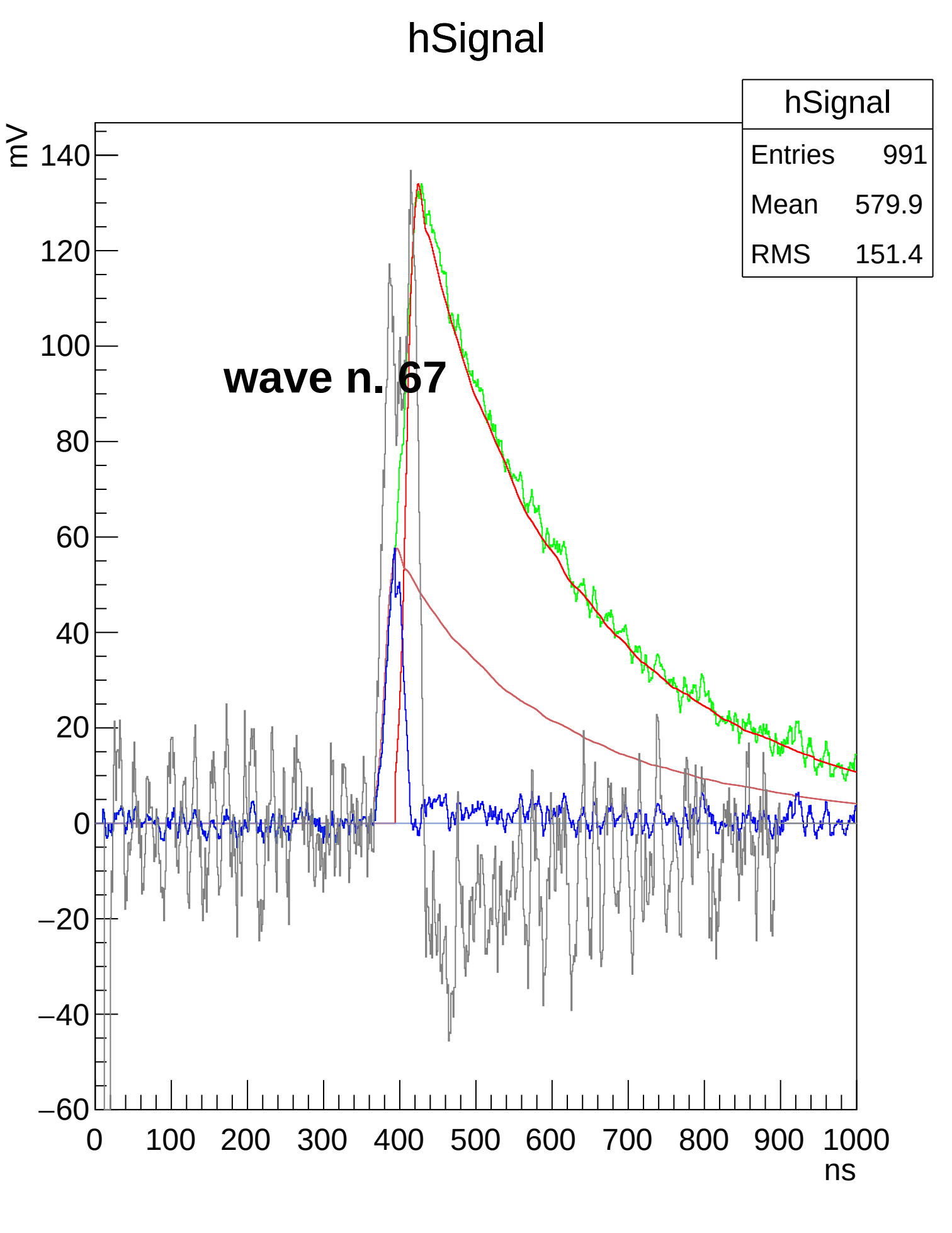

hSignal
hSignal
Entries 991
Mean 480.7
RMS 177.5
wave n. 62
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

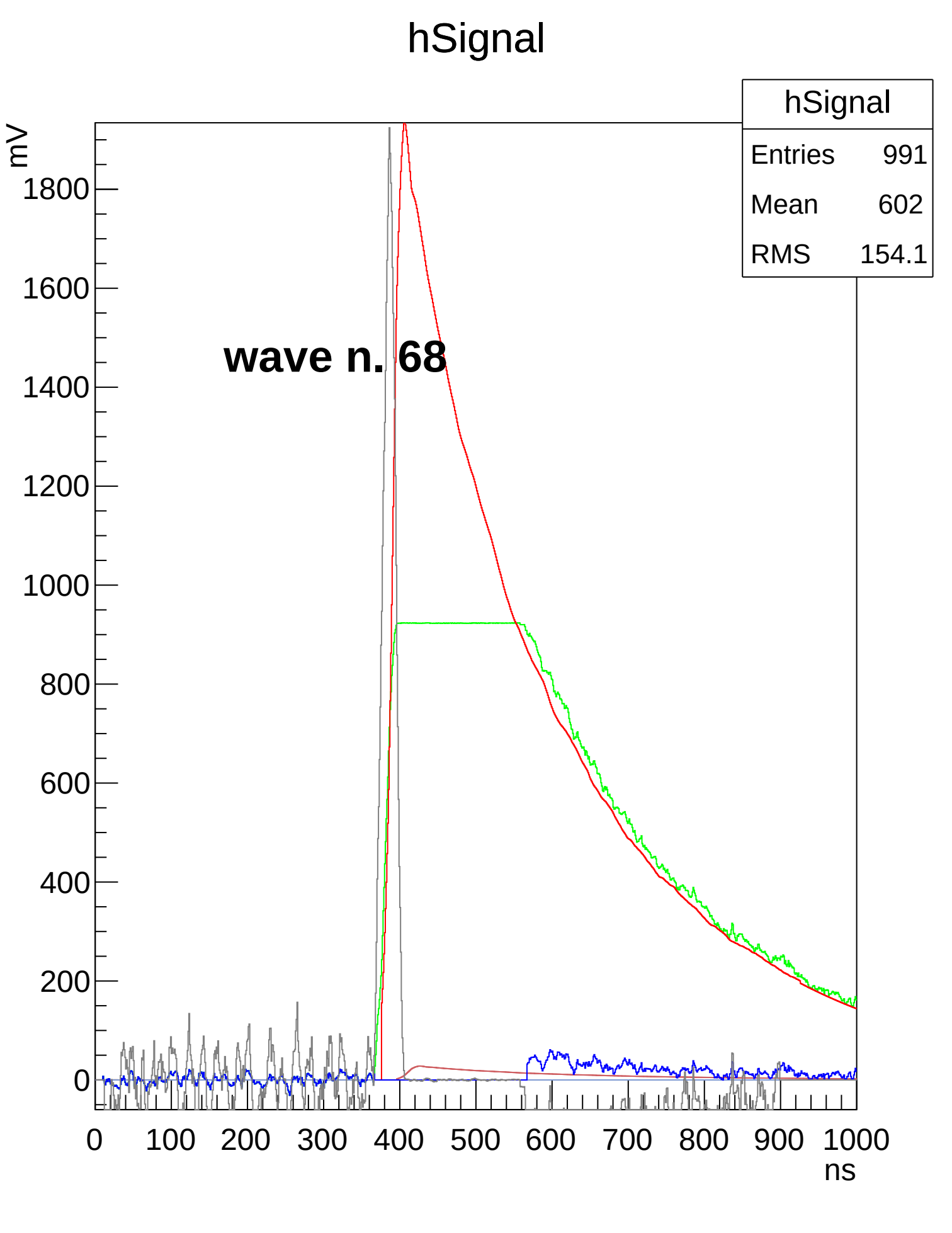

hSignal
hSignal
Entries 991
Mean 539.5
RMS 175.8
wave n. 63
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

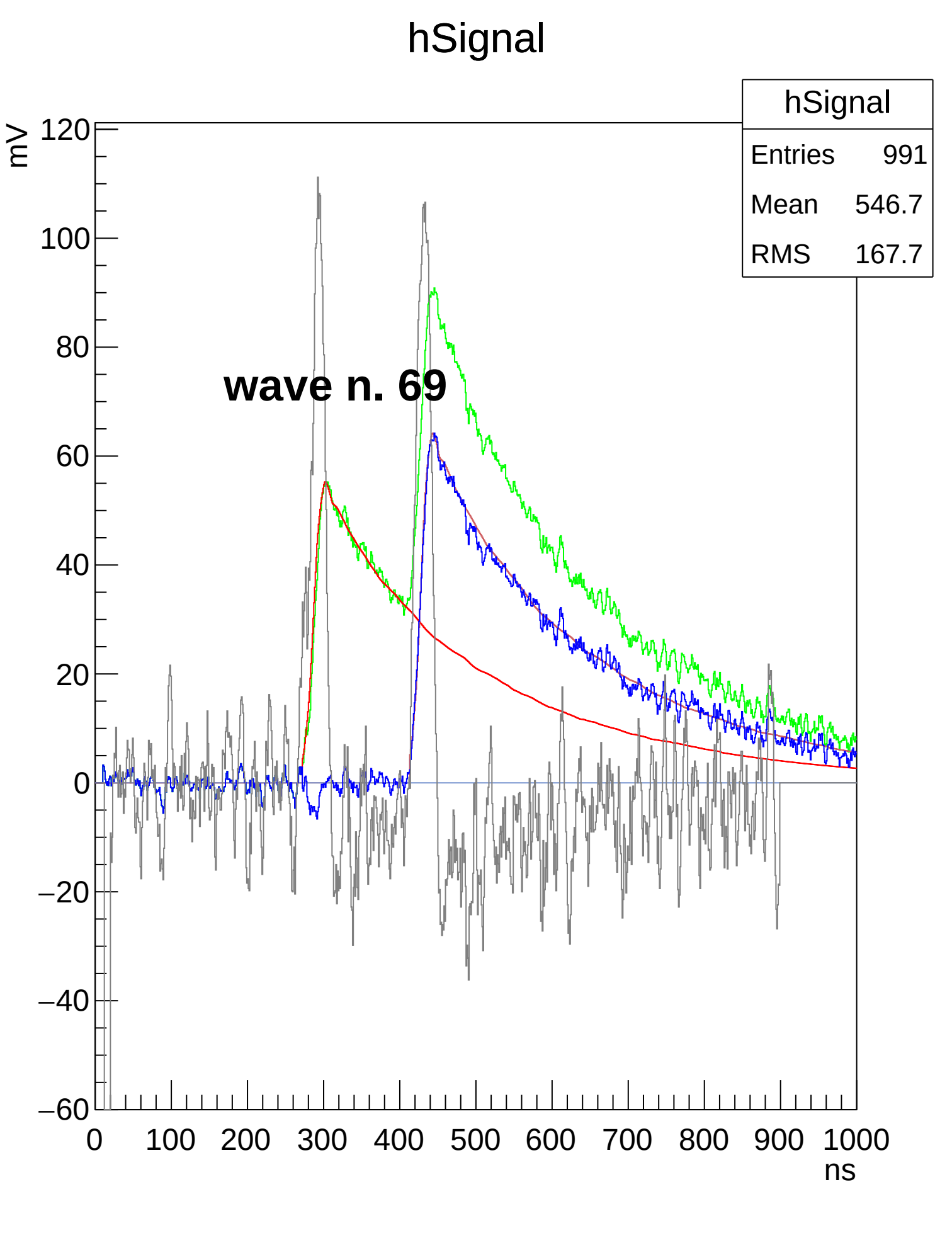

hSignal
hSignal
Entries 991
Mean 476.1
RMS 183.1
wave n. 64
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

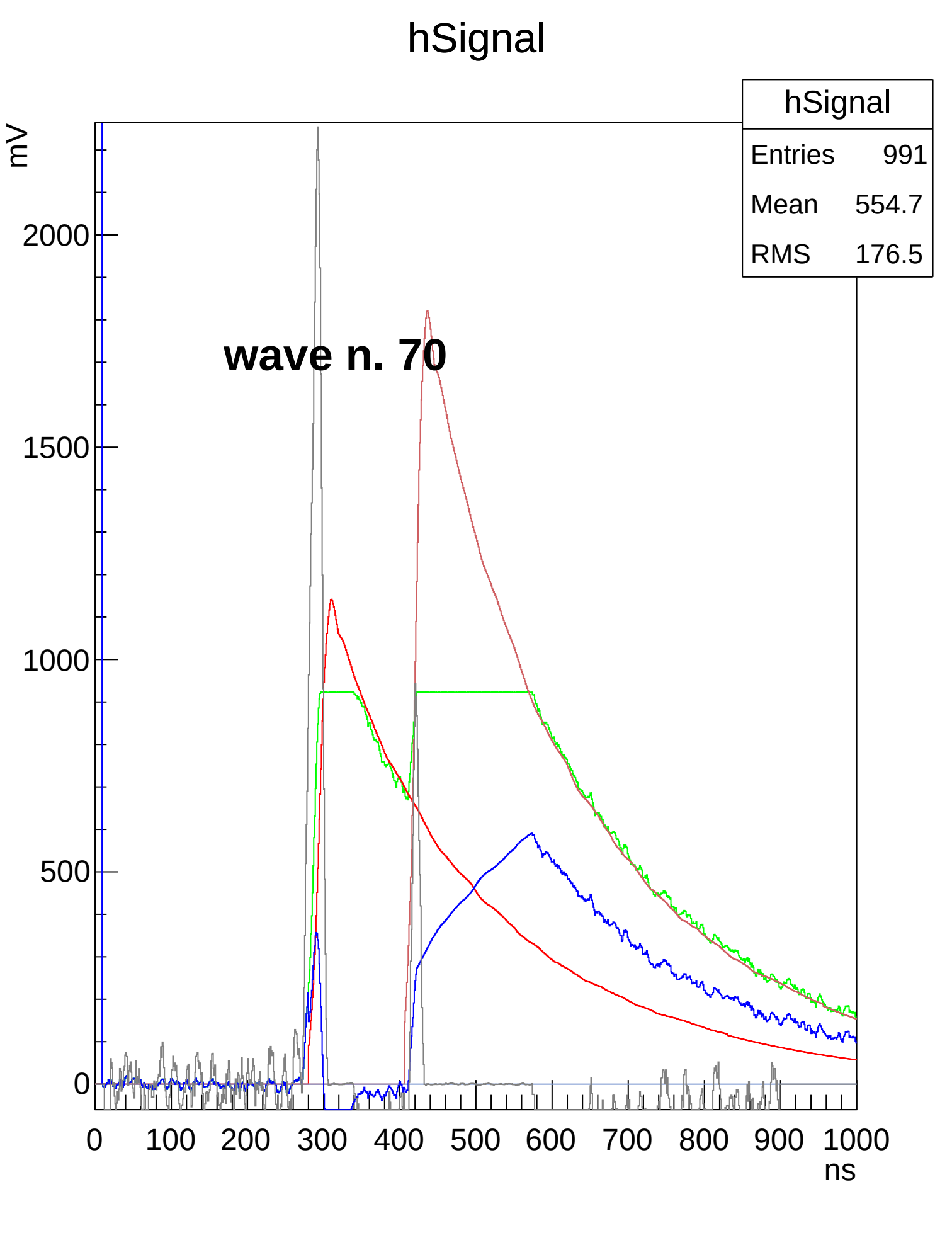

hSignal
hSignal
Entries 991
Mean 455.9
RMS 178.5
wave n. 65
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

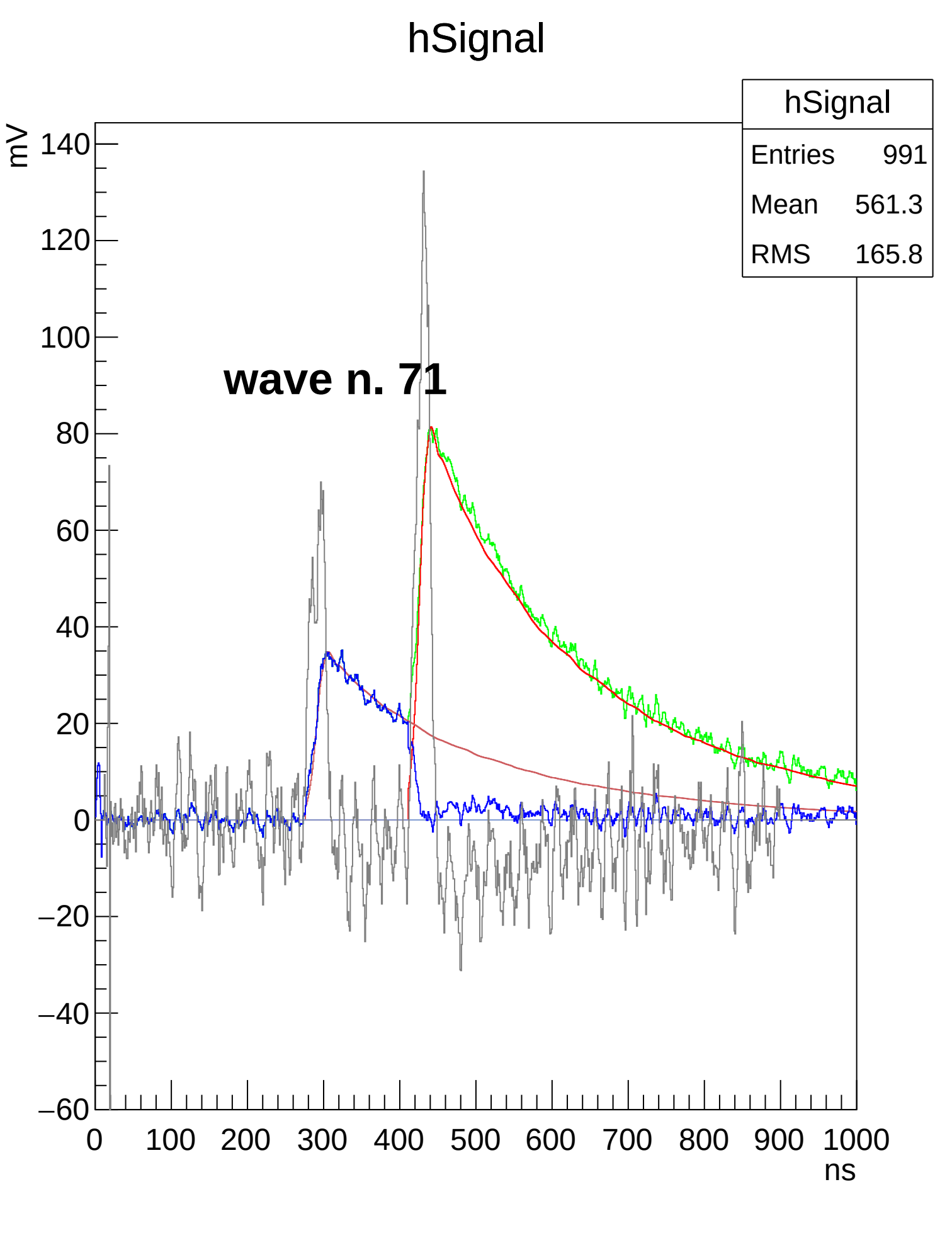

hSignal
hSignal
Entries 991
Mean 561.8
RMS 165.9
wave n. 66
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

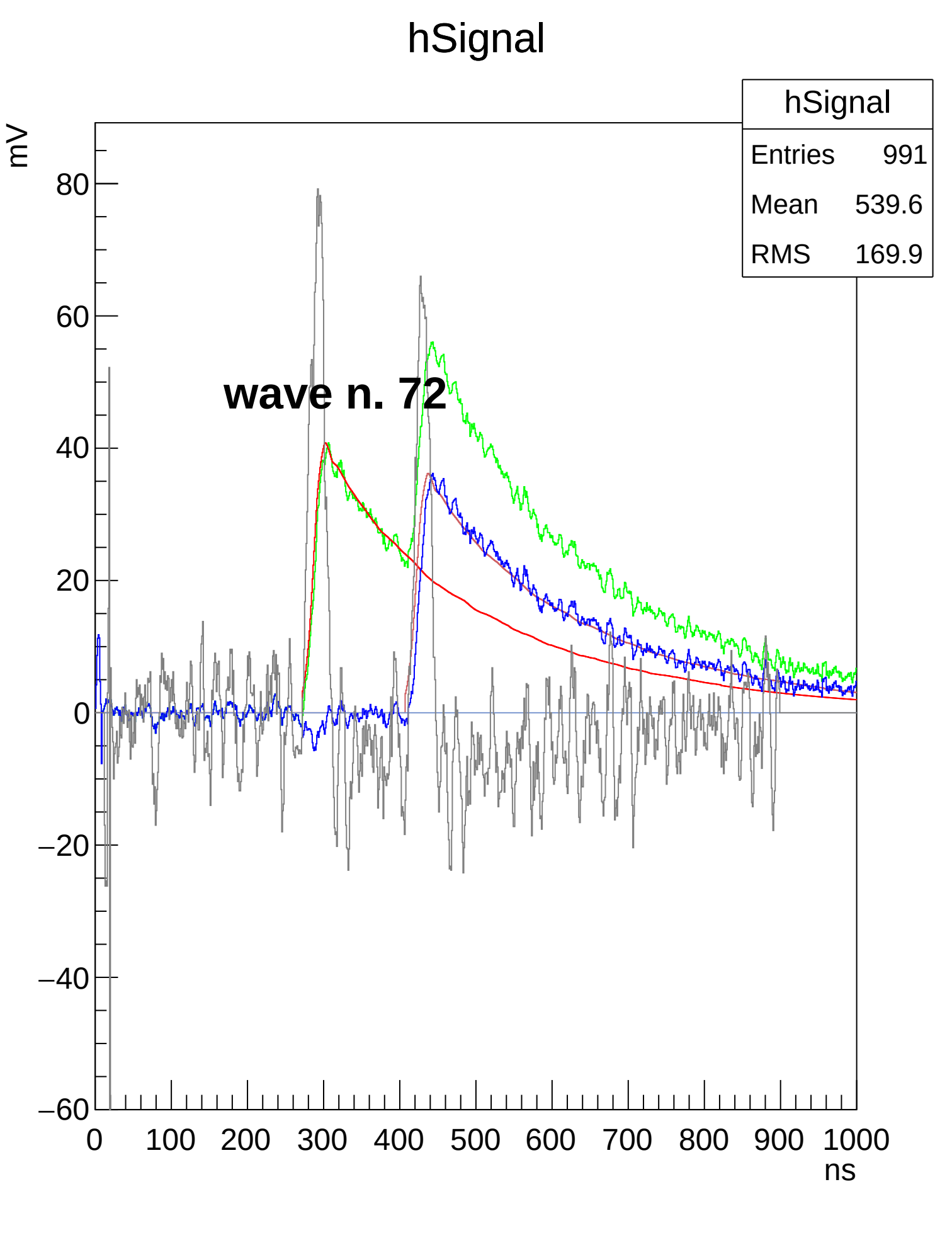

hSignal
hSignal
Entries 991
Mean 579.9
RMS 151.4
wave n. 67
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

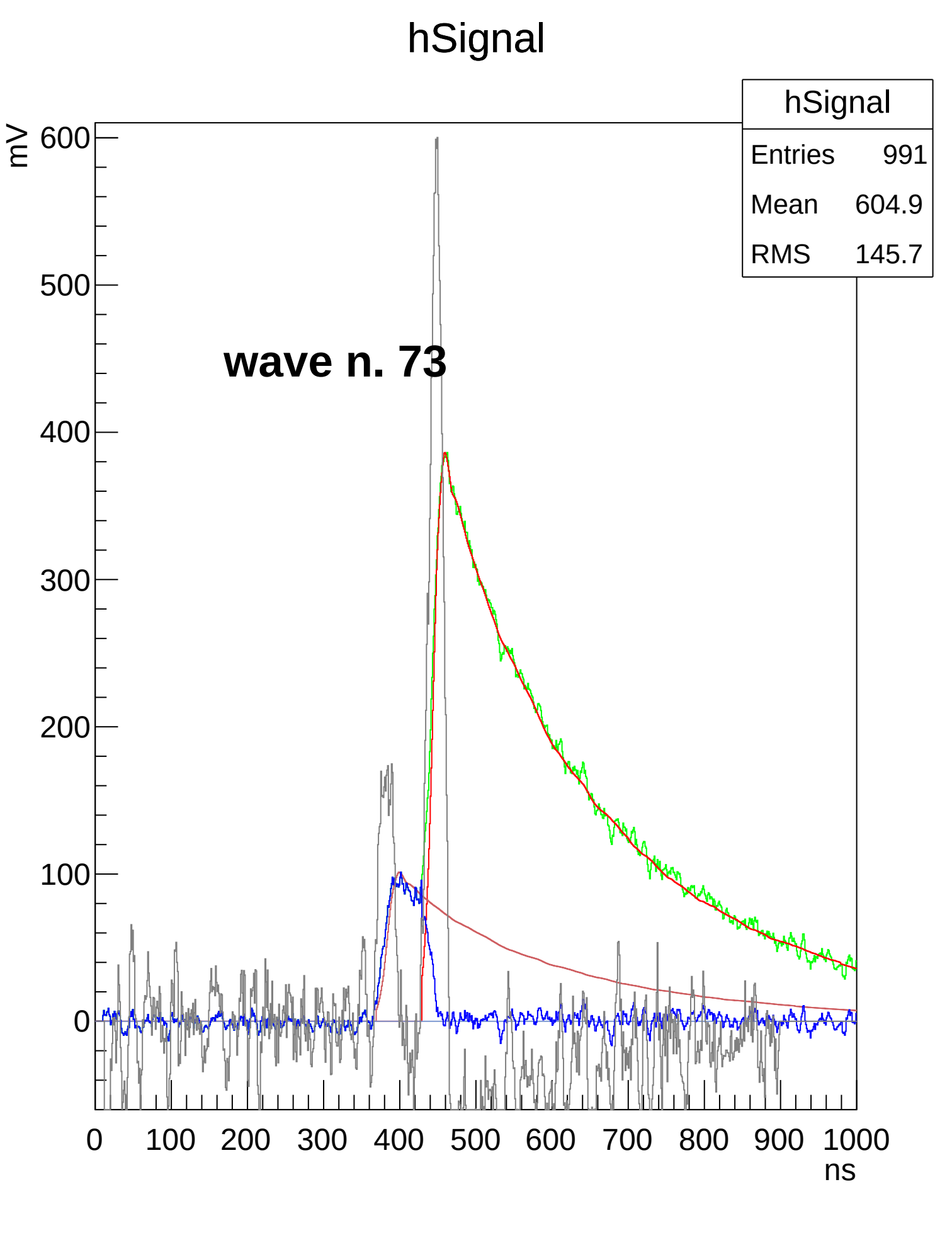

hSignal
hSignal
Entries 991
Mean 602
RMS 154.1
wave n. 68
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

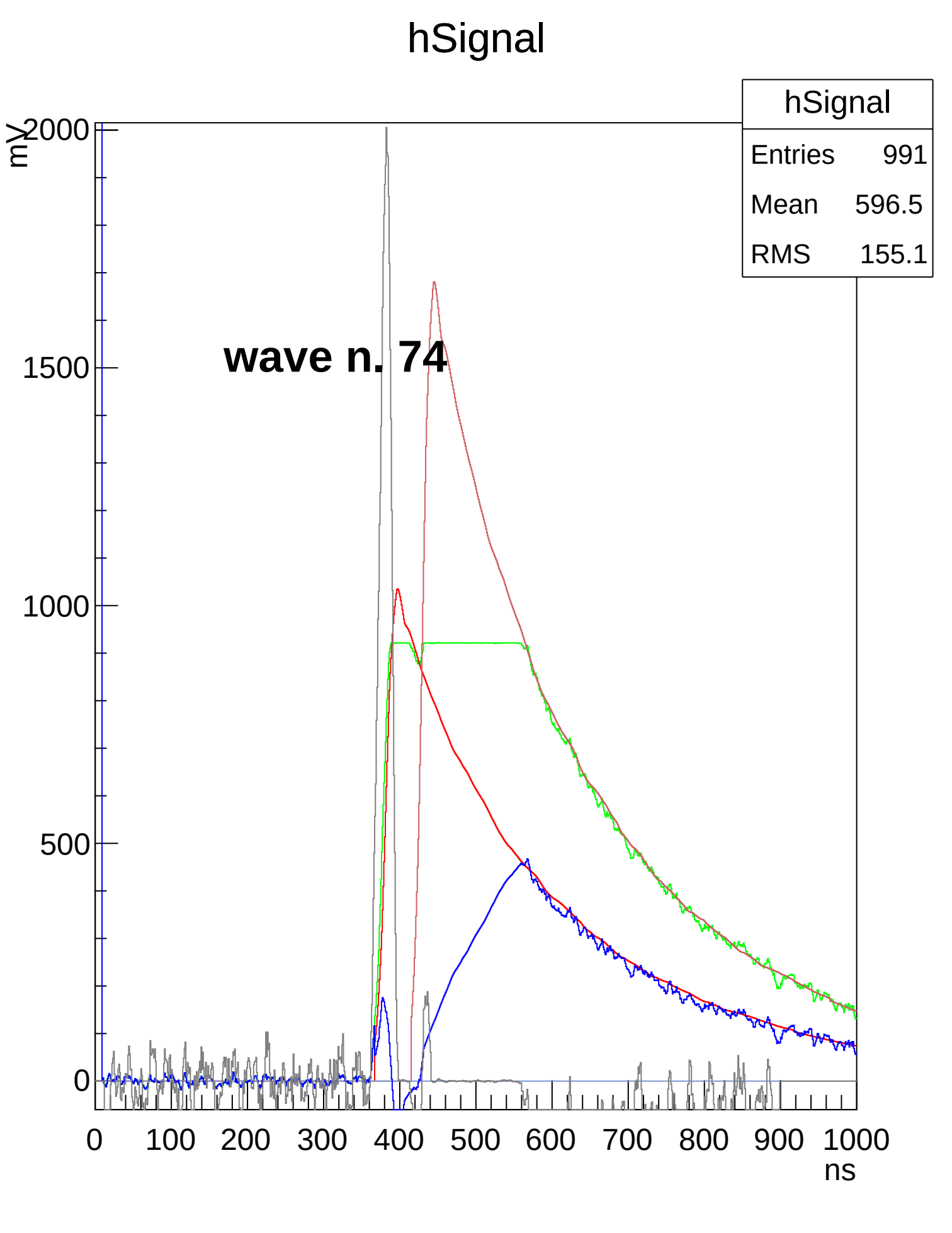

hSignal
hSignal
Entries 991
Mean 546.7
RMS 167.7
wave n. 69
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

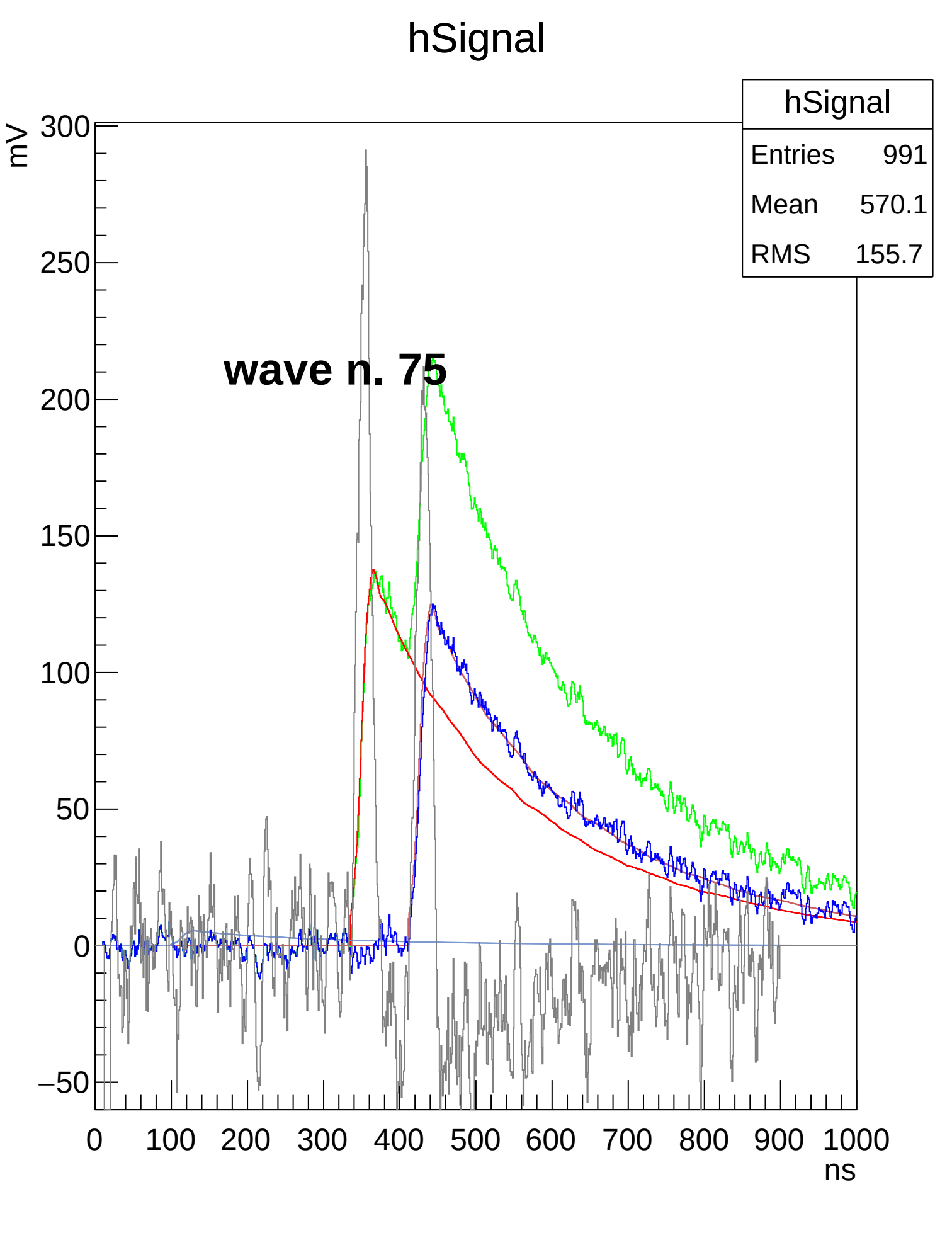

hSignal
hSignal
Entries 991
Mean 554.7
RMS 176.5
wave n. 70
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

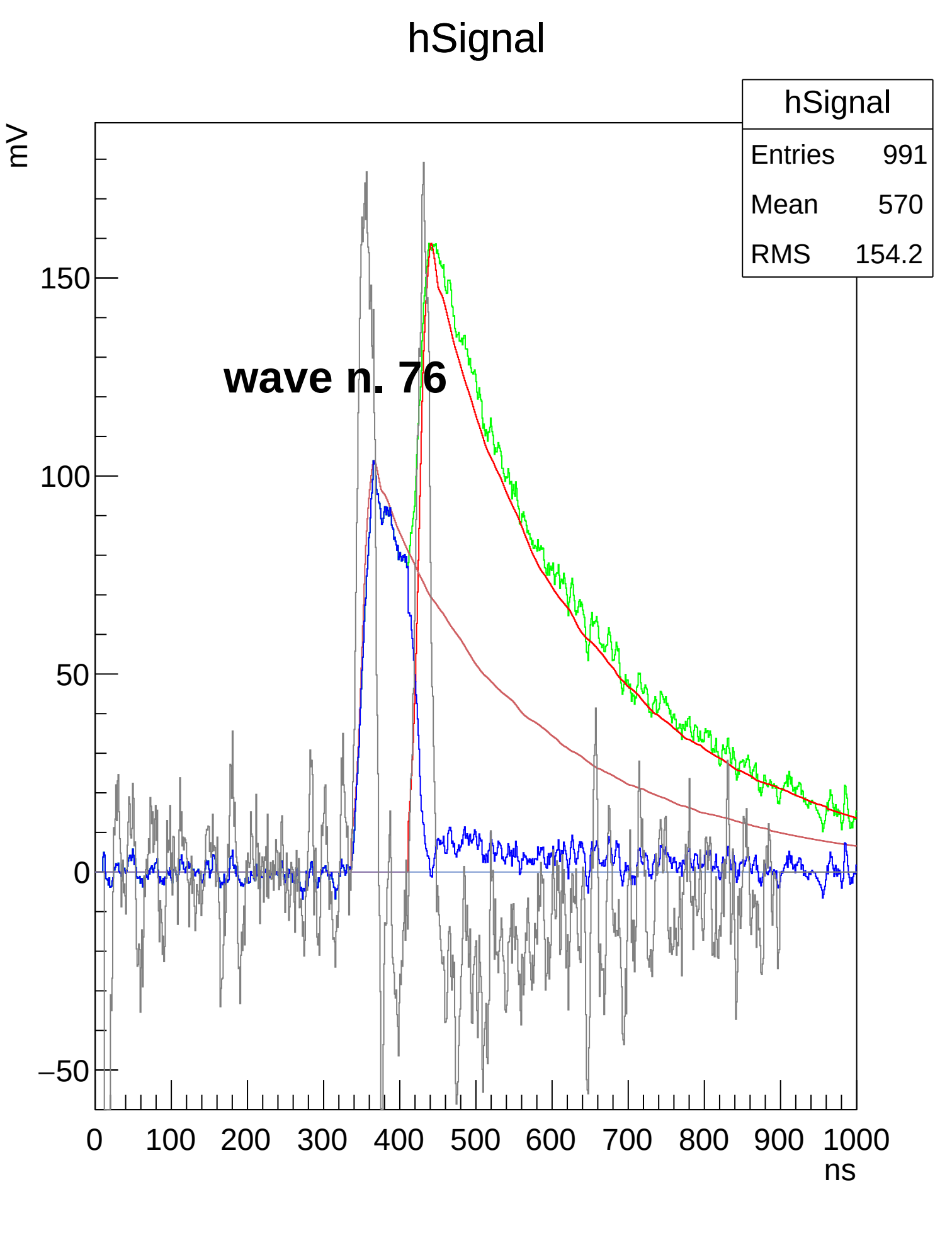

hSignal
hSignal
Entries 991
Mean 561.3
RMS 165.8
wave n. 71
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

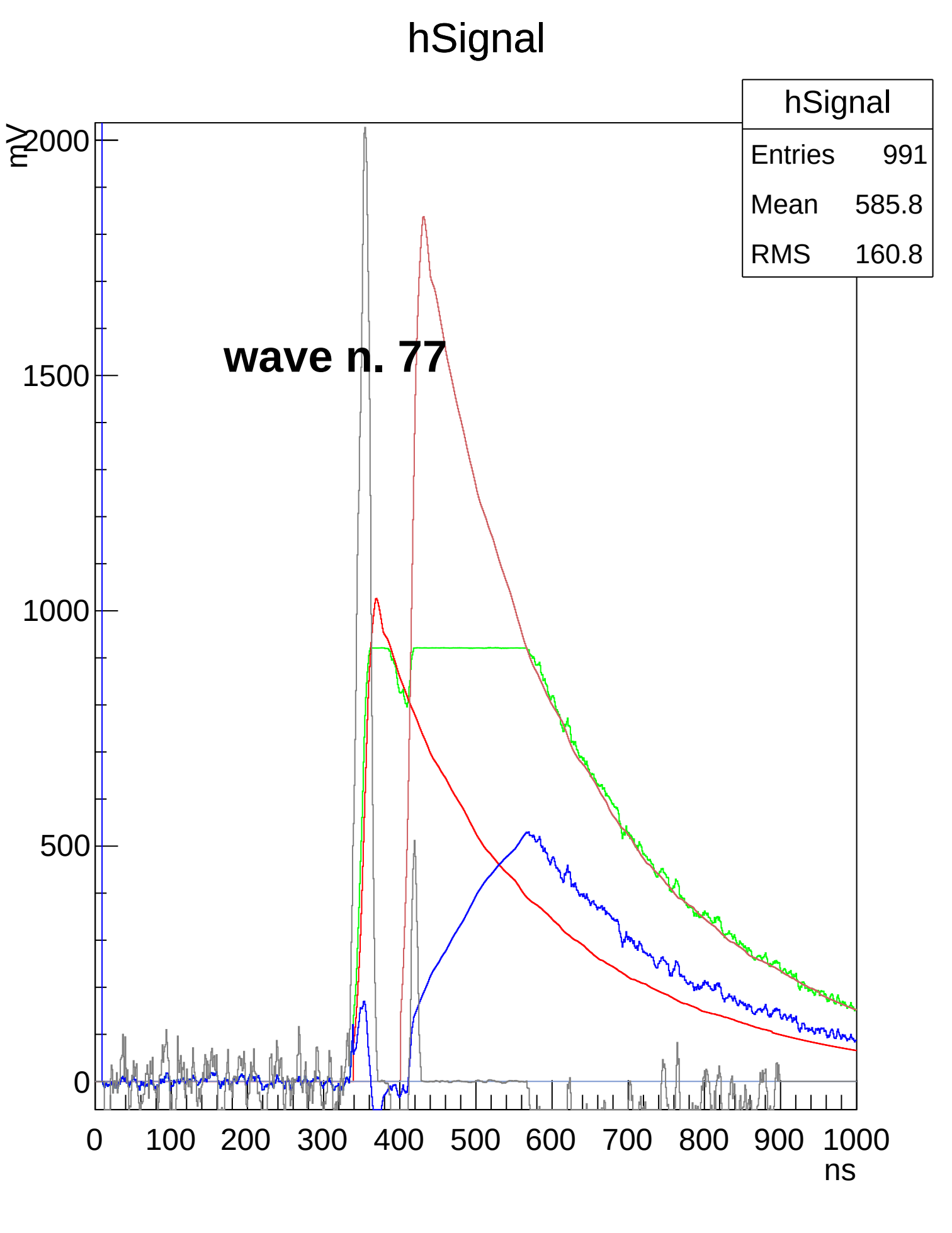

hSignal
hSignal
Entries 991
Mean 539.6
RMS 169.9
wave n. 72
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

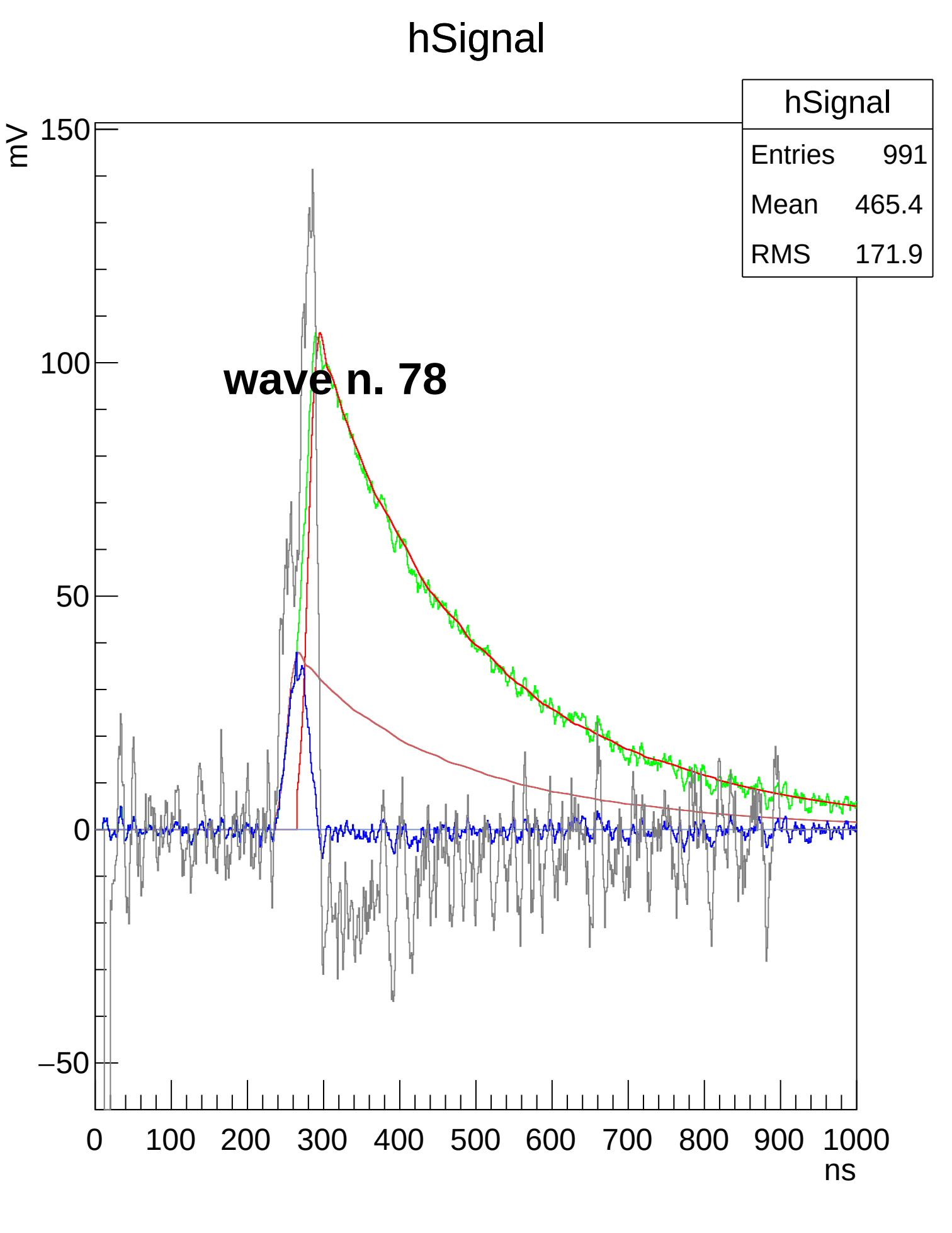

hSignal
hSignal
Entries 991
Mean 604.9
RMS 145.7
wave n. 73
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

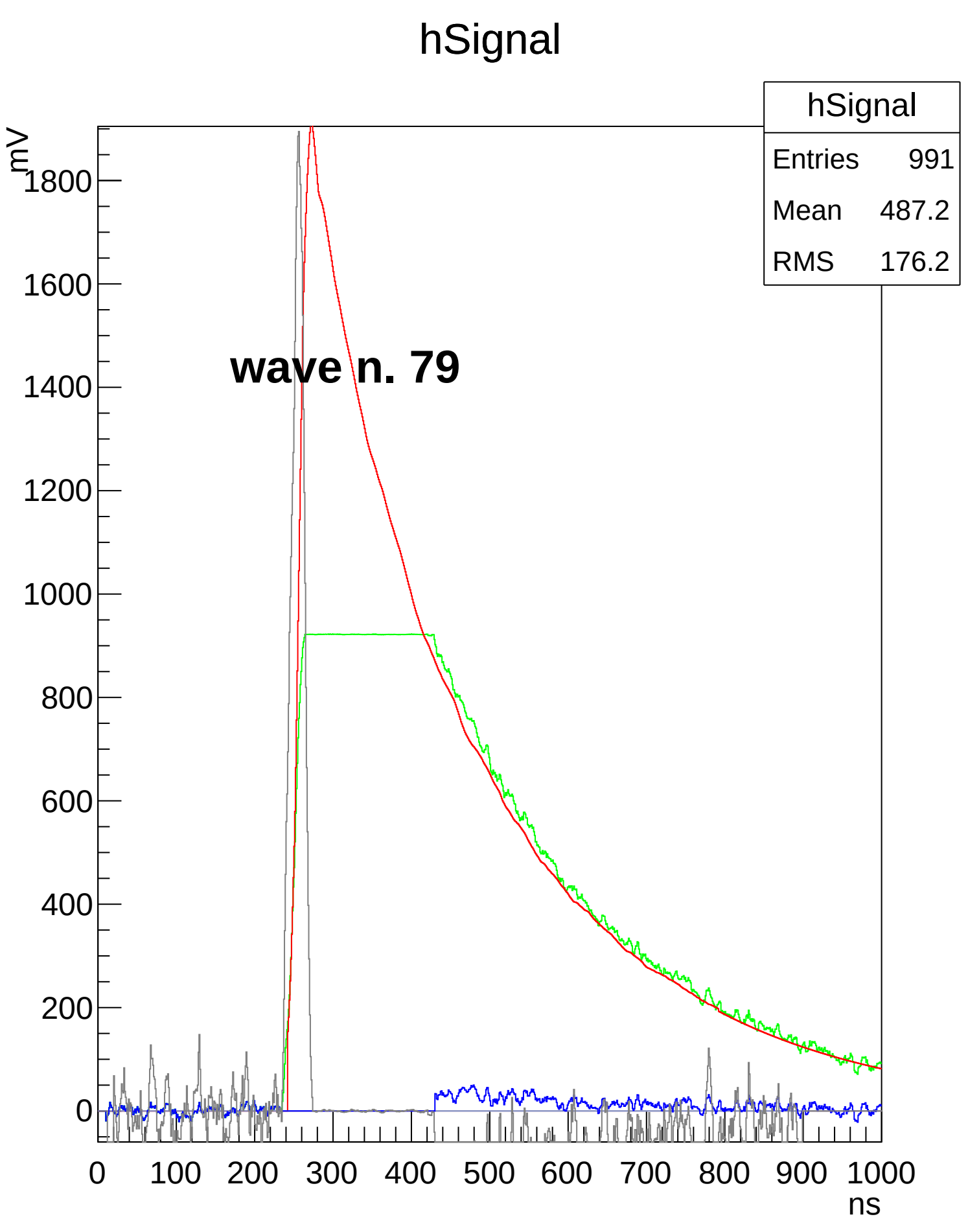

hSignal
hSignal
Entries 991
Mean 596.5
RMS 155.1
wave n. 74
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

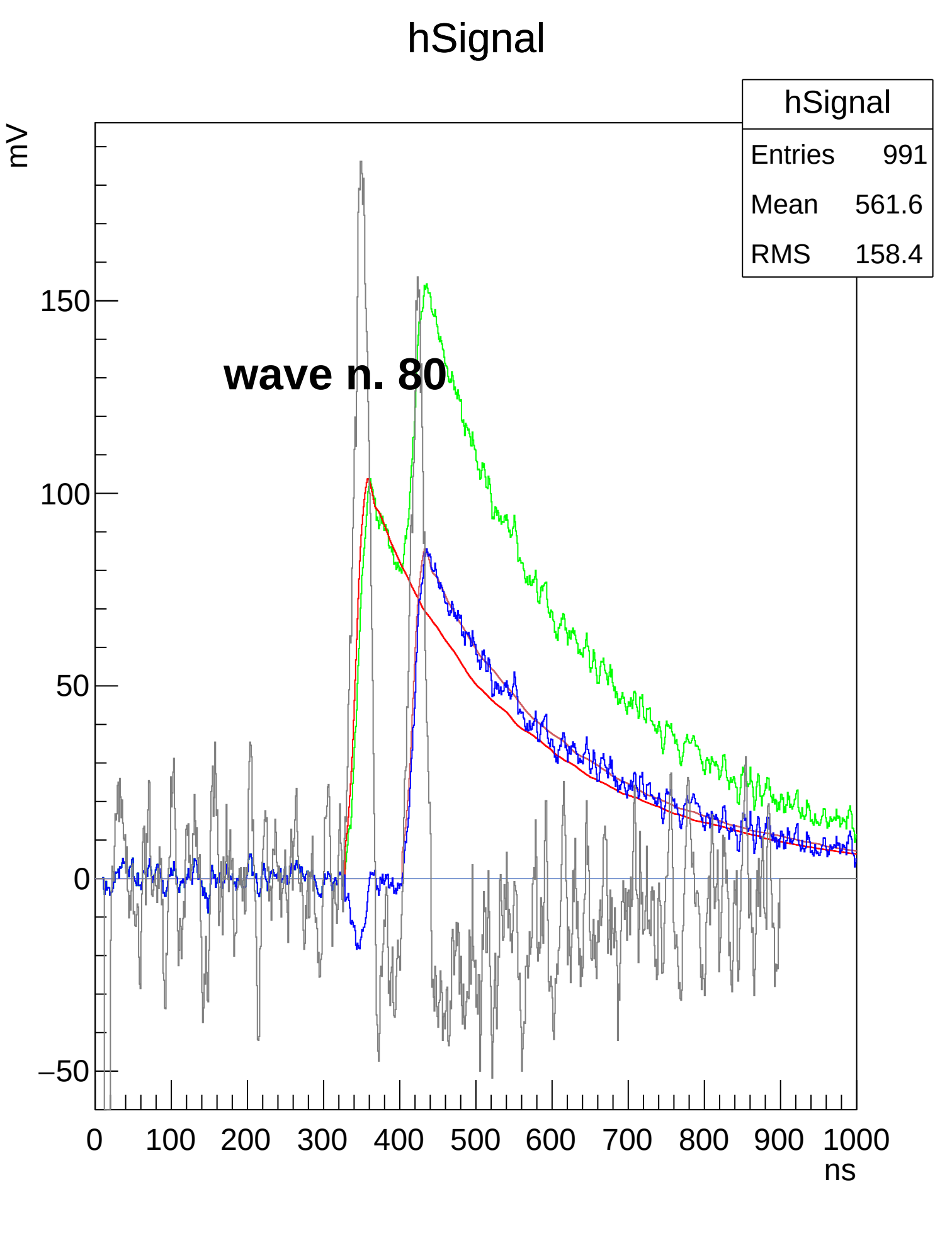

hSignal
hSignal
Entries 991
Mean 570.1
RMS 155.7
wave n. 75
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

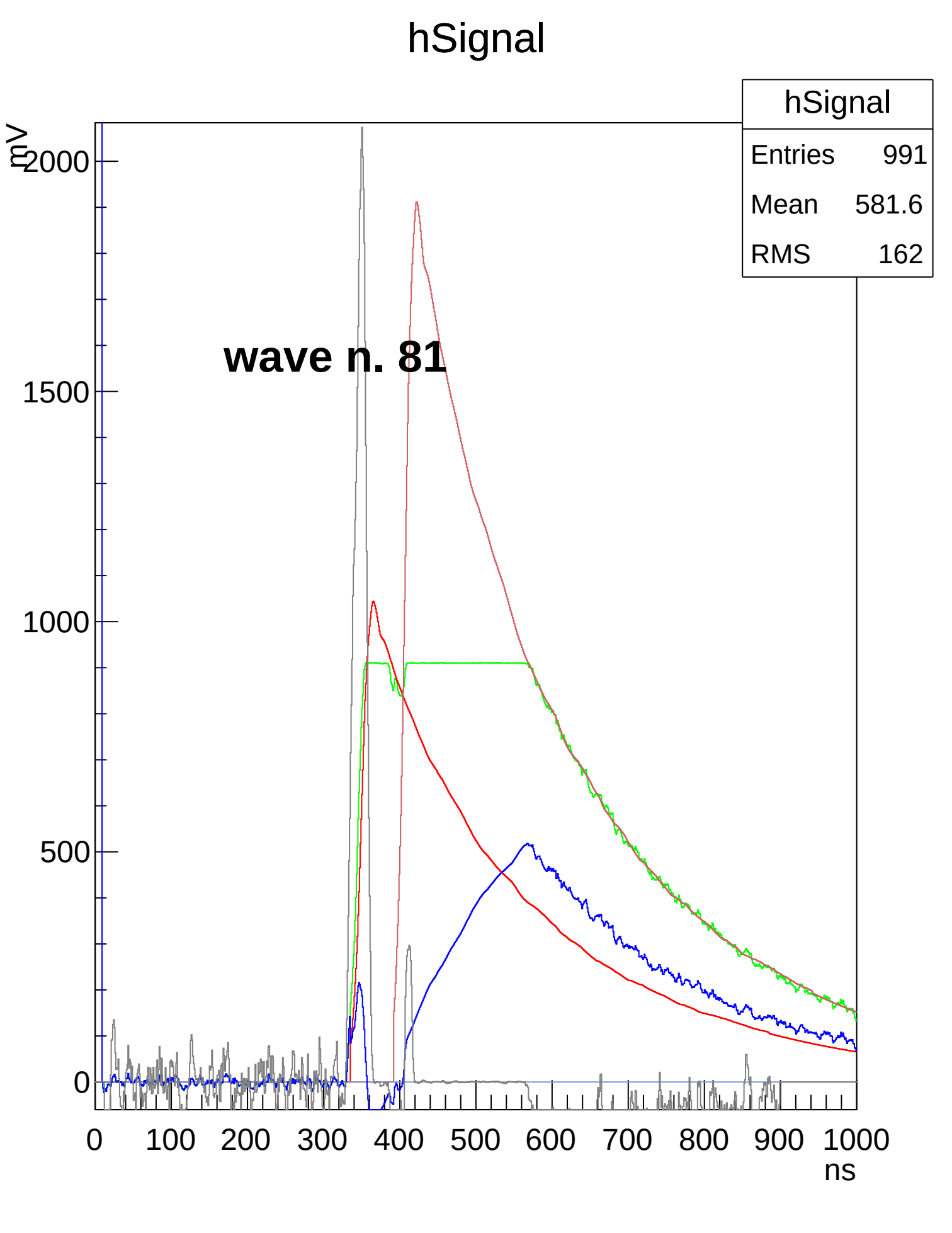

hSignal
hSignal
Entries 991
Mean 570
RMS 154.2
wave n. 76
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

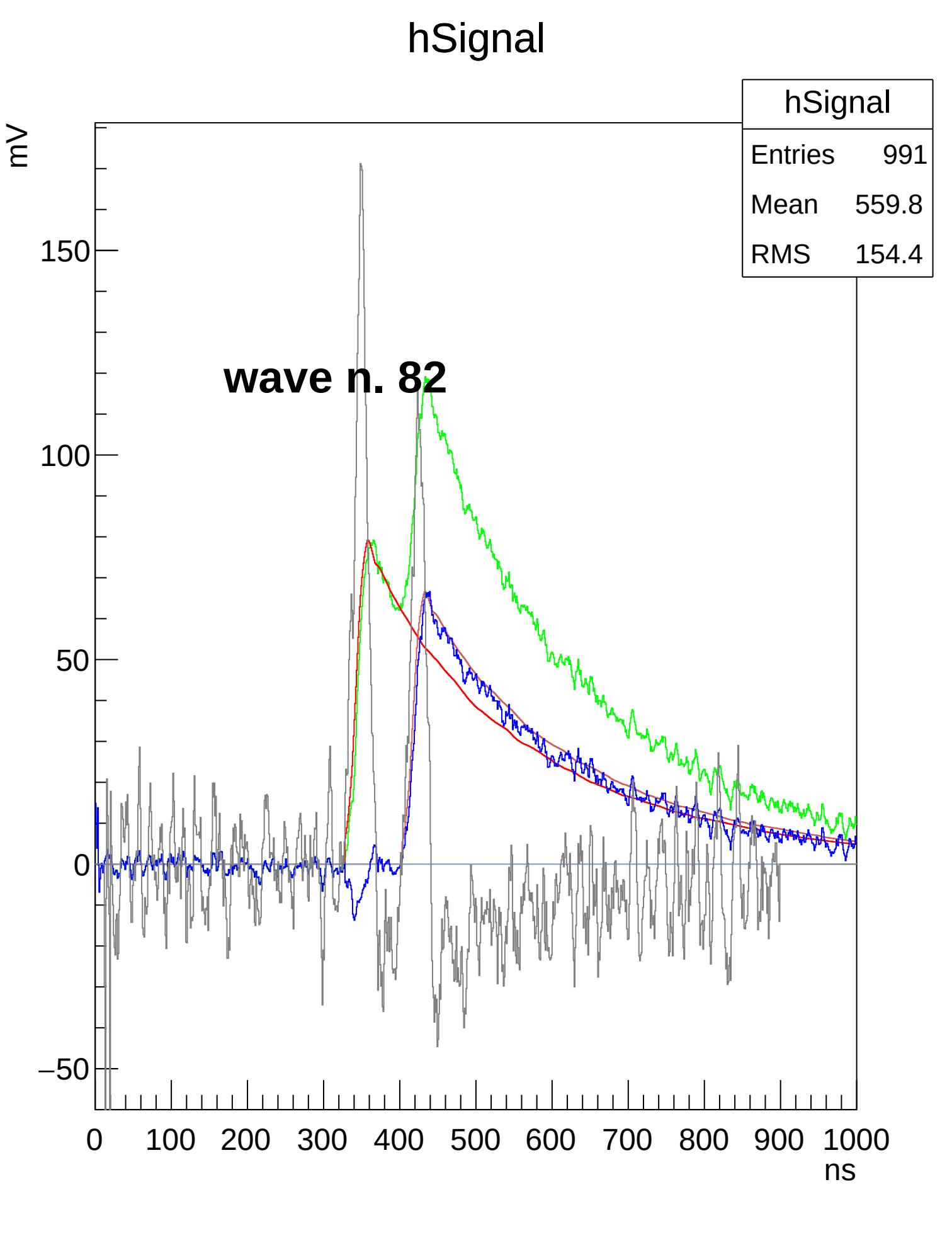

hSignal
hSignal
Entries 991
Mean 585.8
RMS 160.8
wave n. 77
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

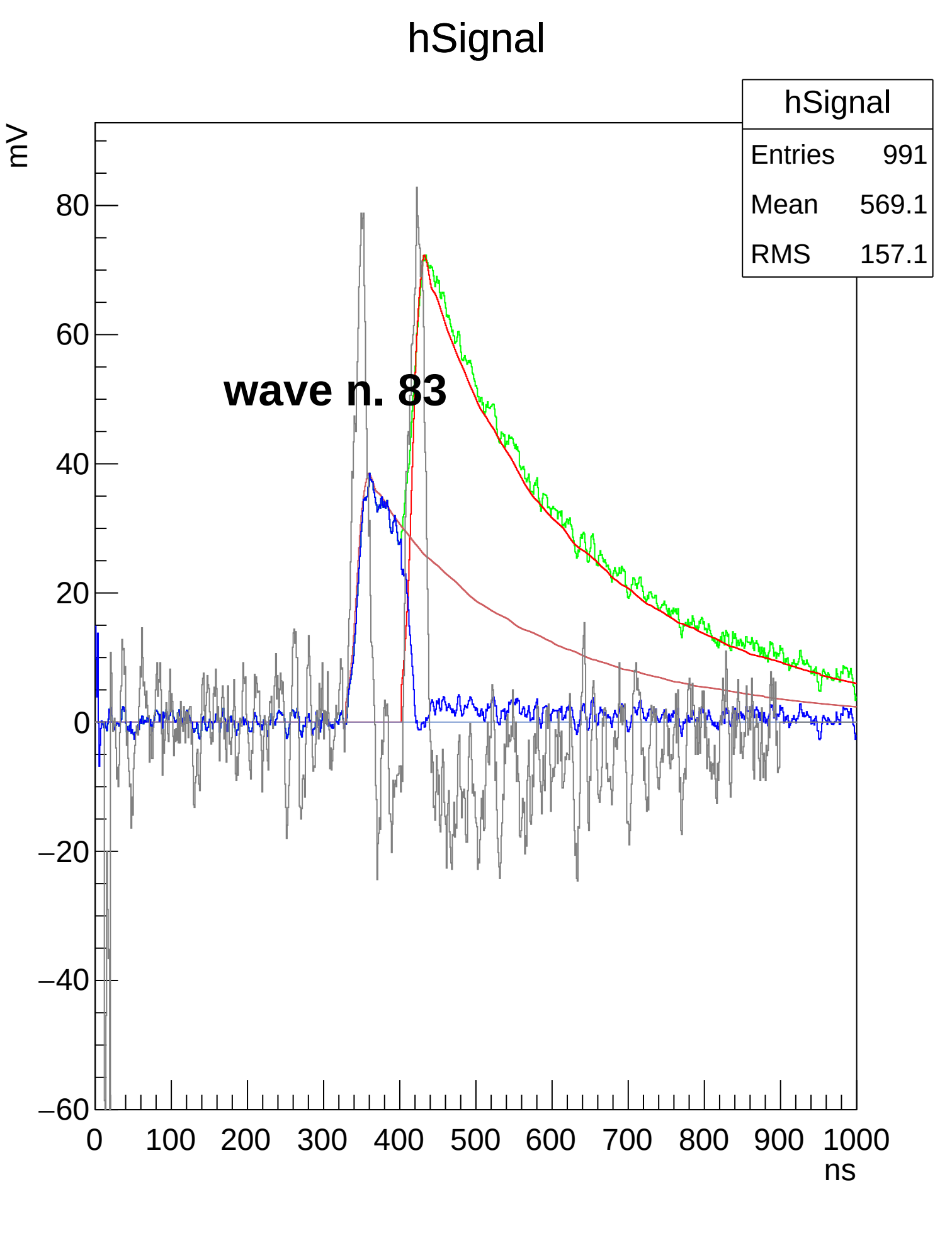

hSignal
hSignal
Entries 991
Mean 465.4
RMS 171.9
wave n. 78
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

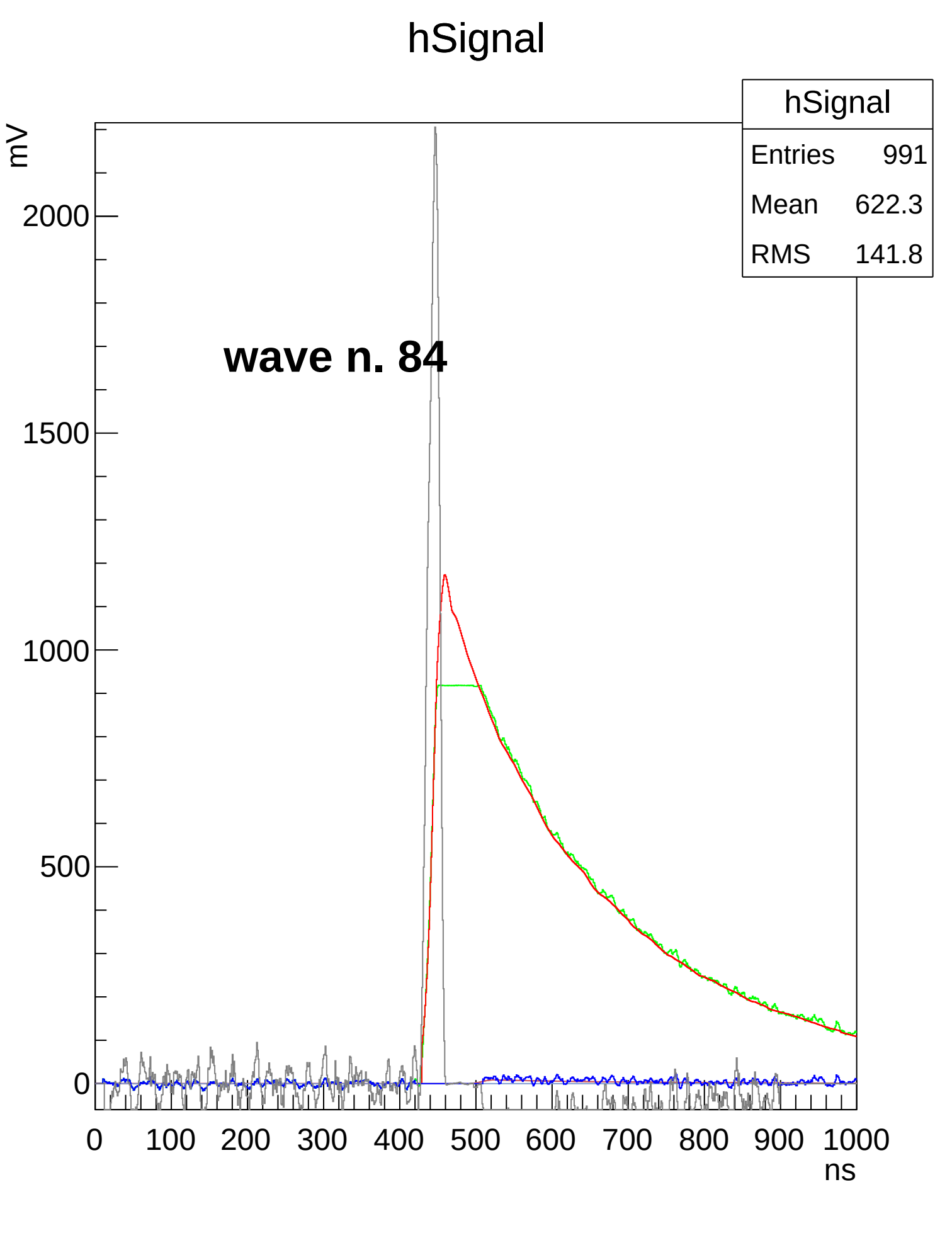

hSignal
hSignal
Entries 991
Mean 487.2
RMS 176.2
wave n. 79
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

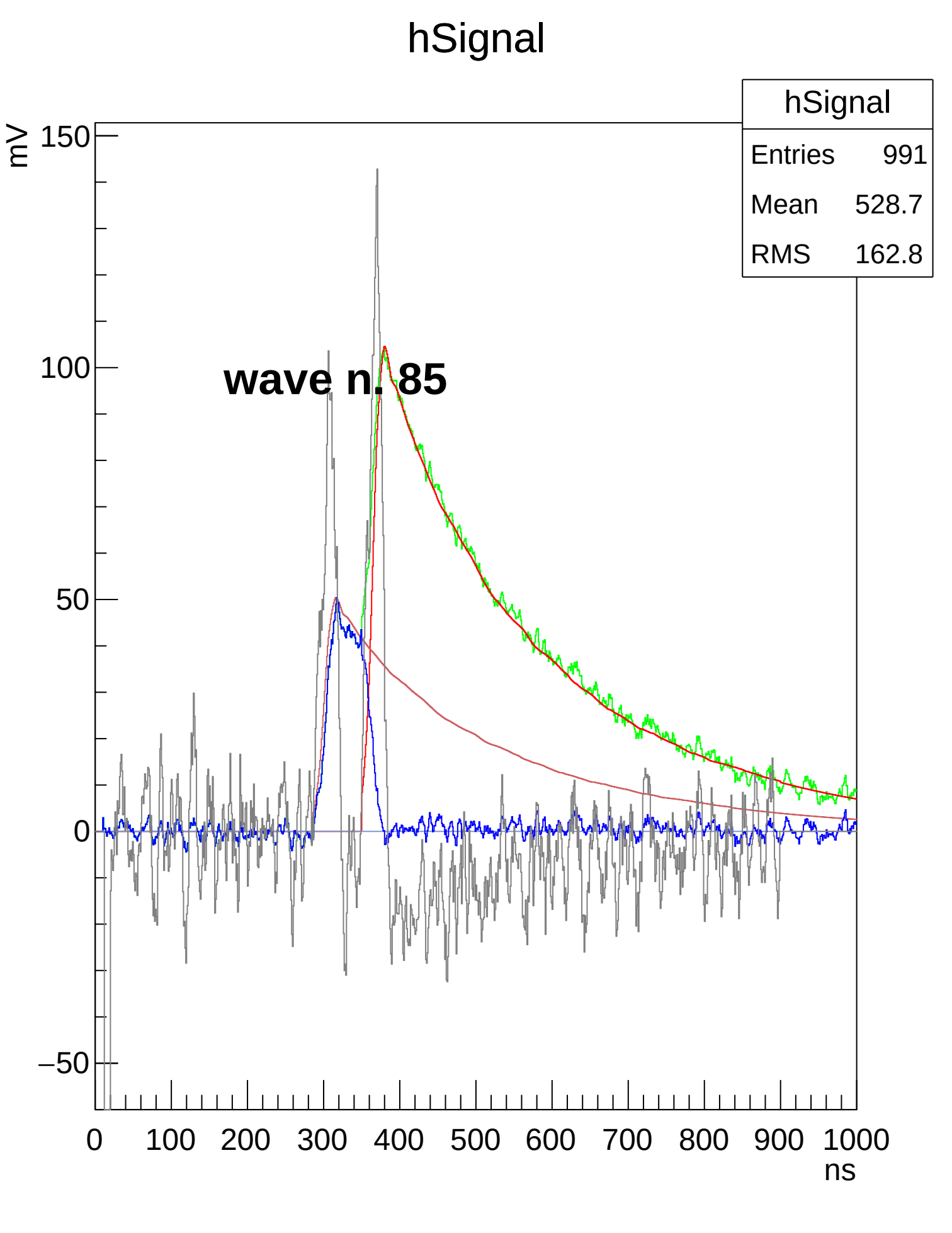

hSignal
hSignal
Entries 991
Mean 561.6
RMS 158.4
wave n. 80
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

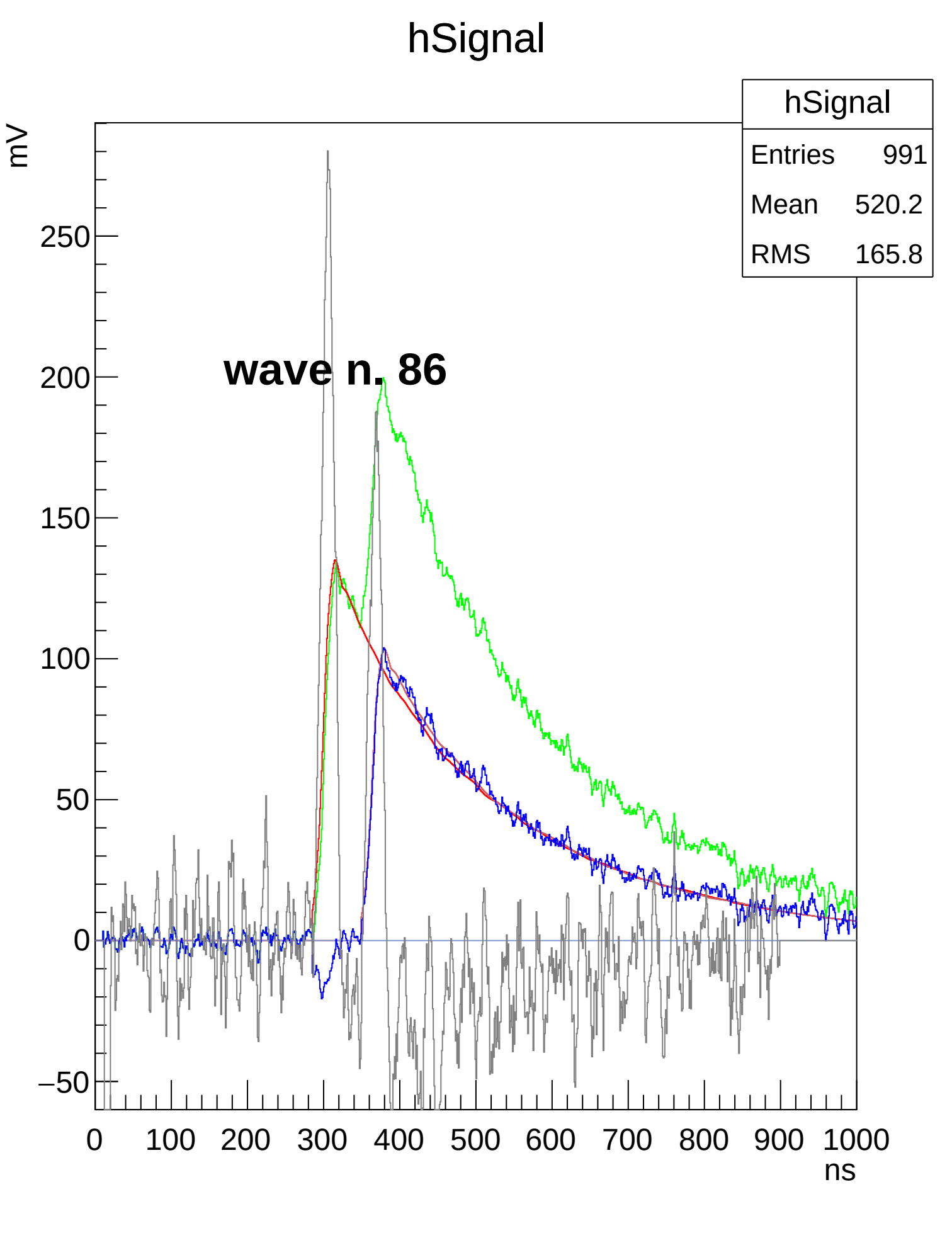

hSignal
hSignal
Entries 991
Mean 581.6
RMS 162
wave n. 81
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

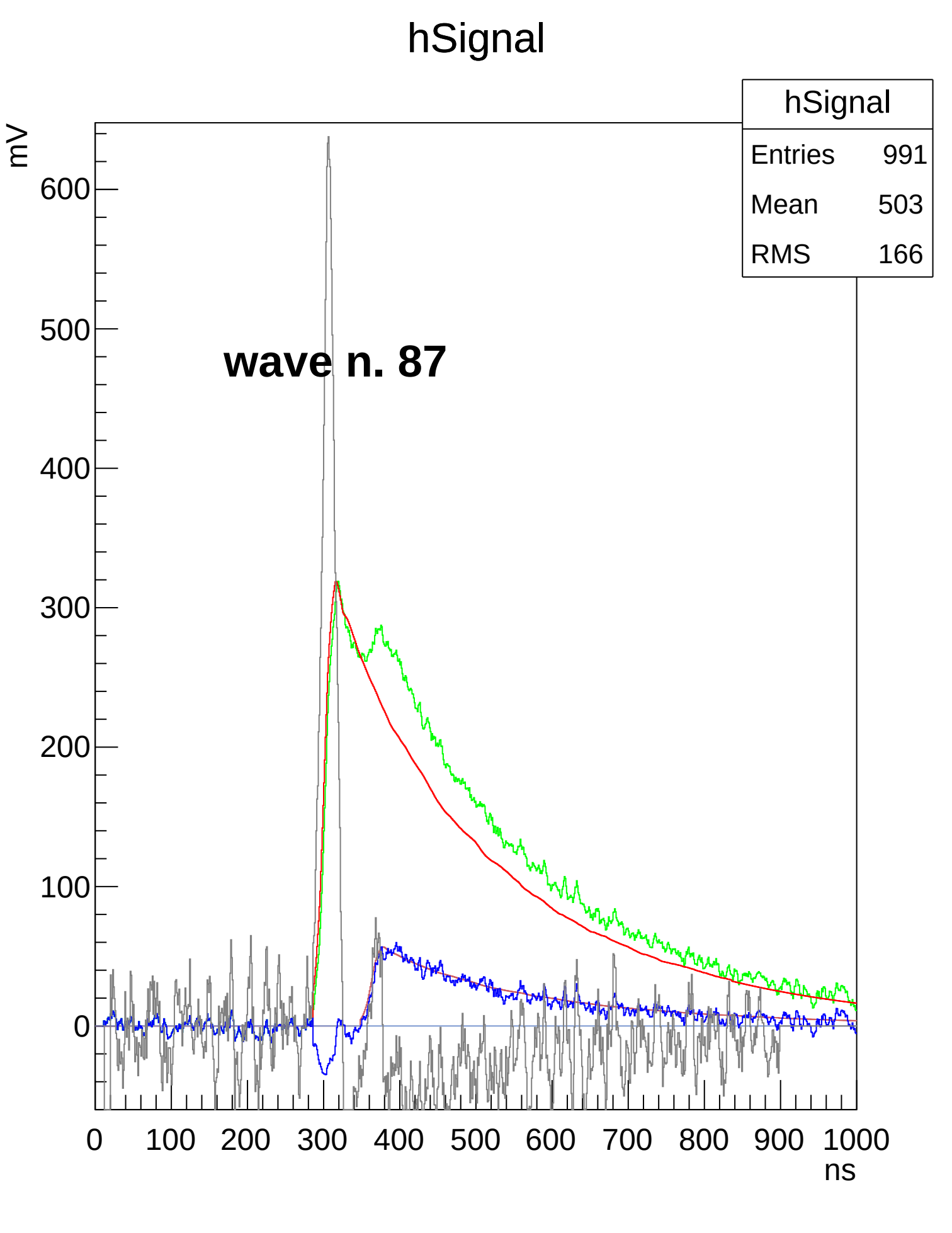

hSignal
hSignal
Entries 991
Mean 559.8
RMS 154.4
wave n. 82
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

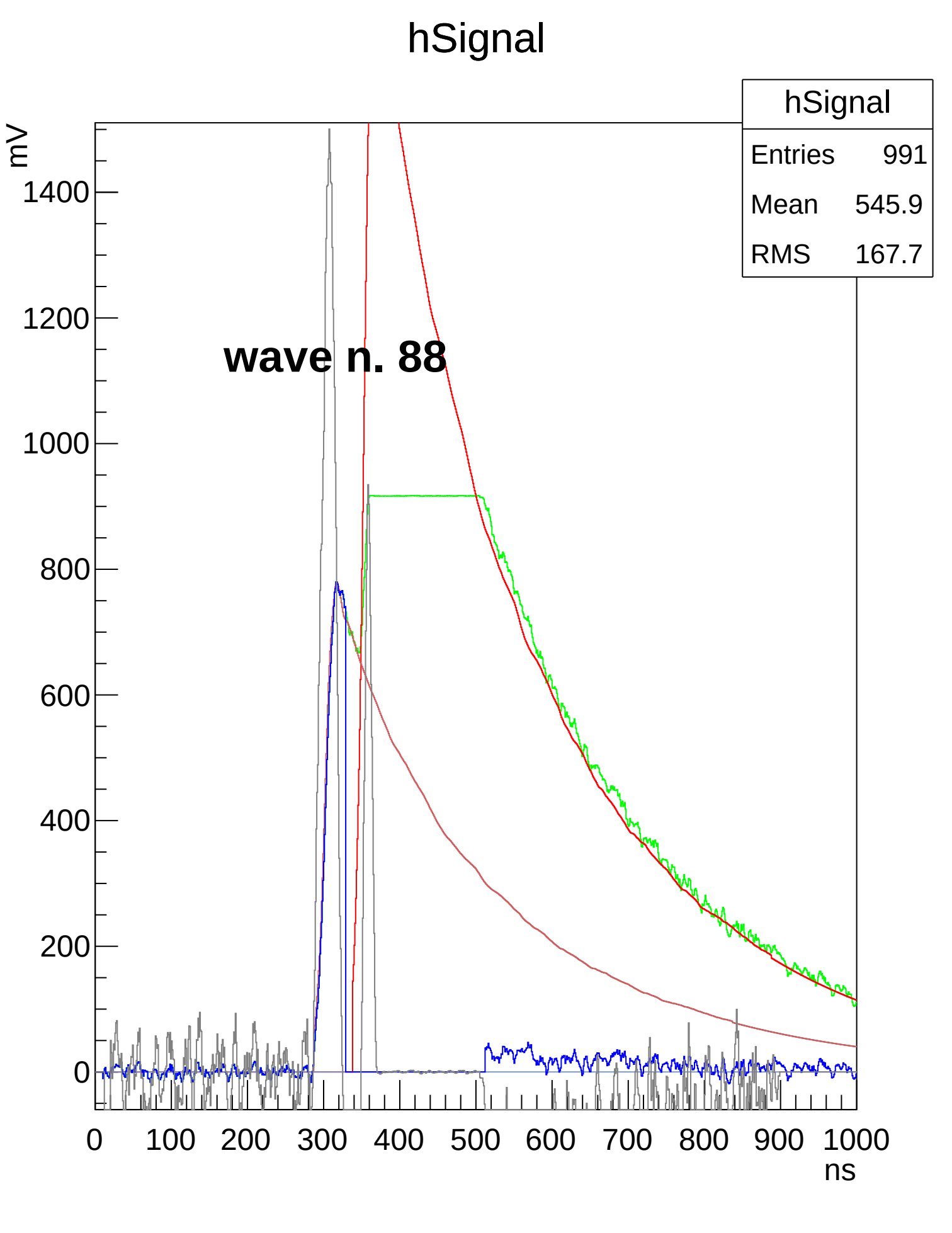

hSignal
hSignal
Entries 991
Mean 569.1
RMS 157.1
wave n. 83
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

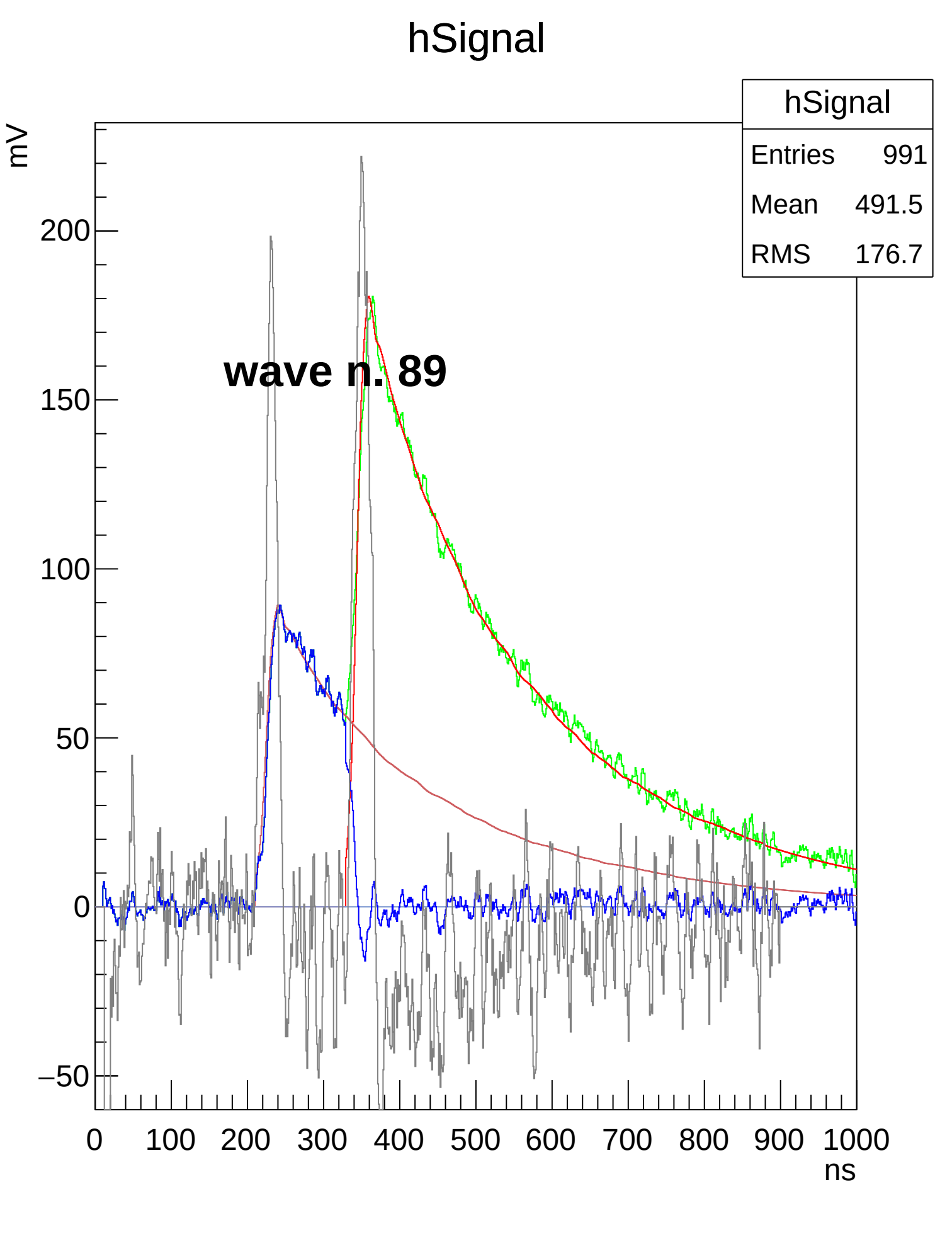

hSignal
hSignal
Entries 991
Mean 622.3
RMS 141.8
wave n. 84
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

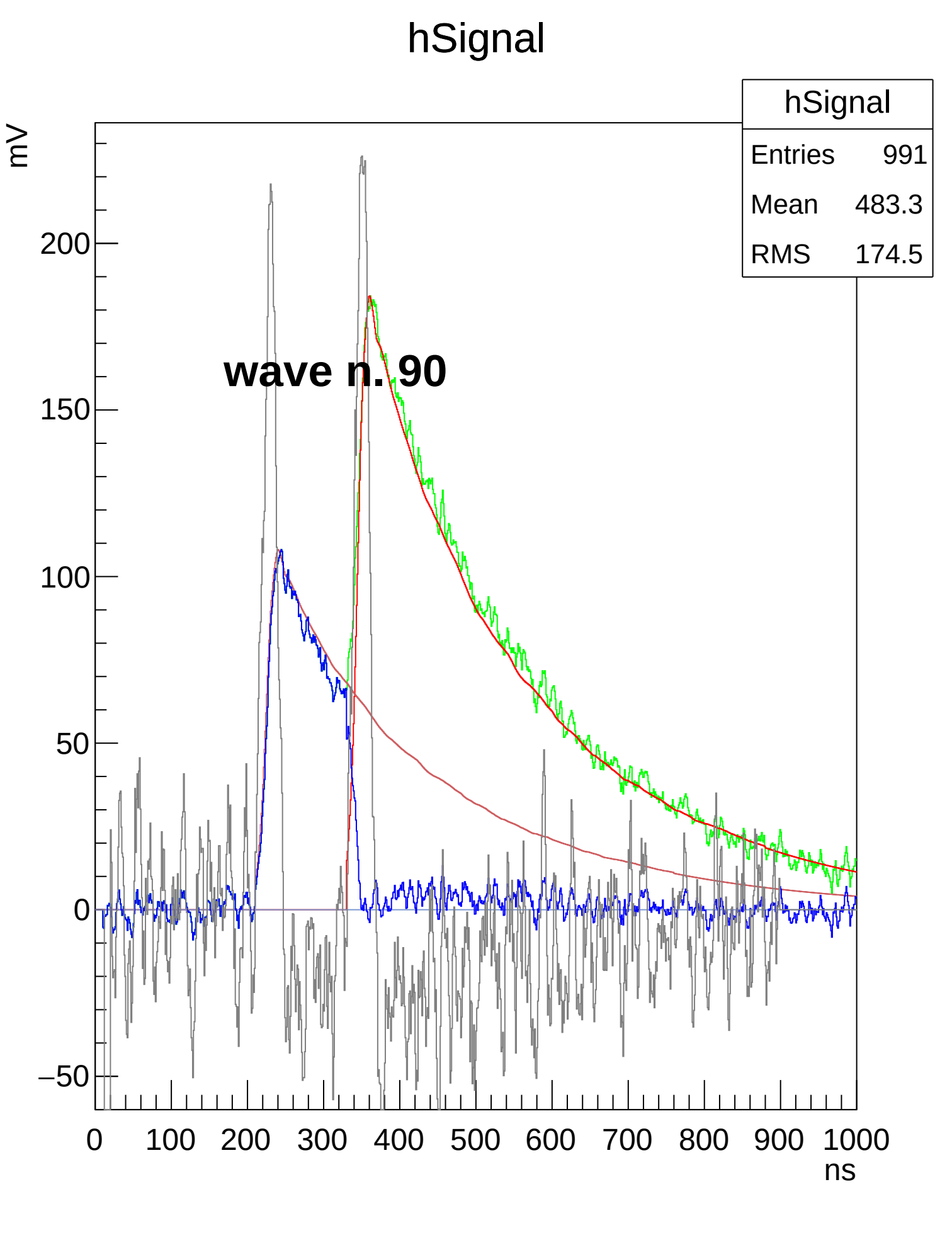

hSignal
hSignal
Entries 991
Mean 528.7
RMS 162.8
wave n. 85
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

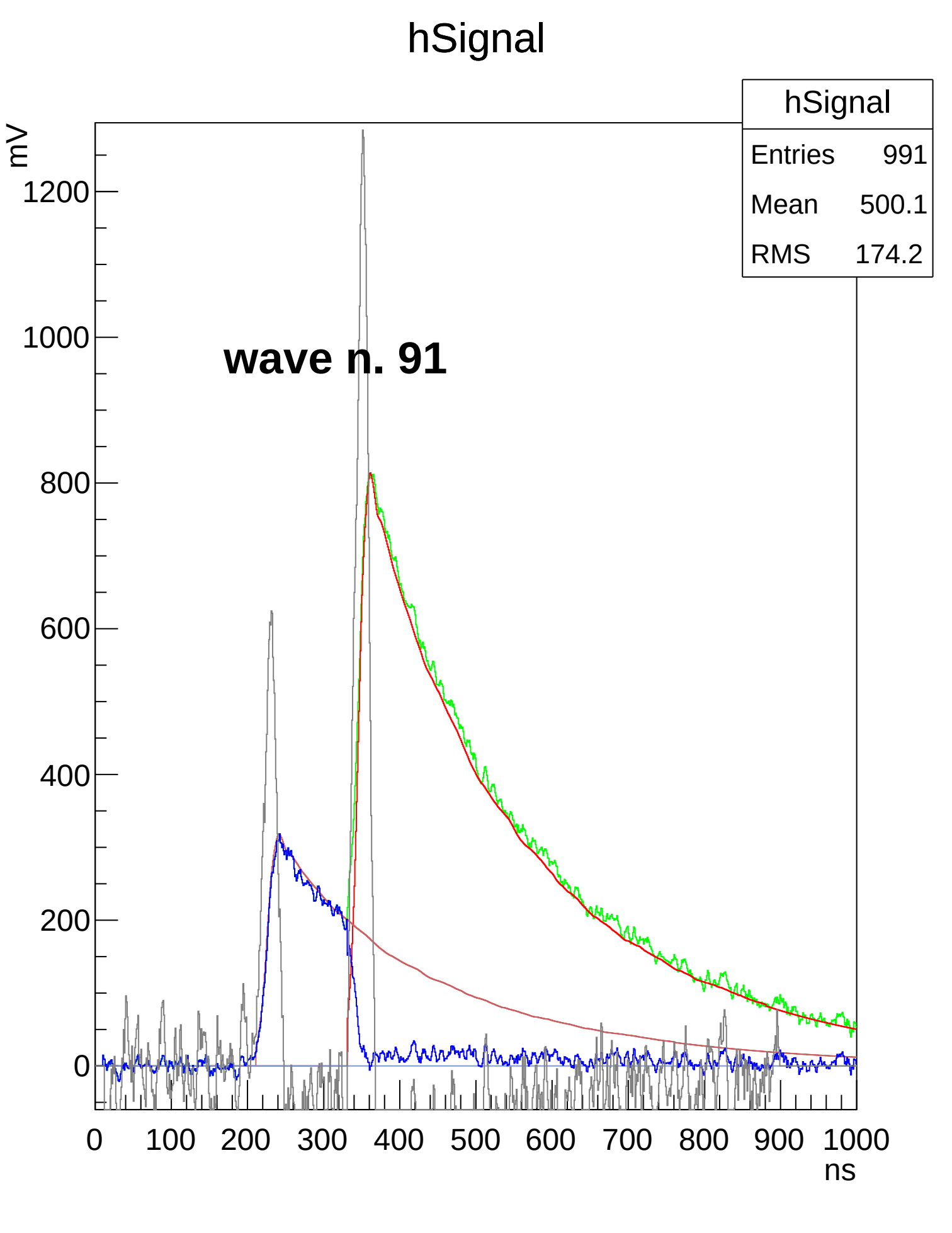

hSignal
hSignal
Entries 991
Mean 520.2
RMS 165.8
wave n. 86
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

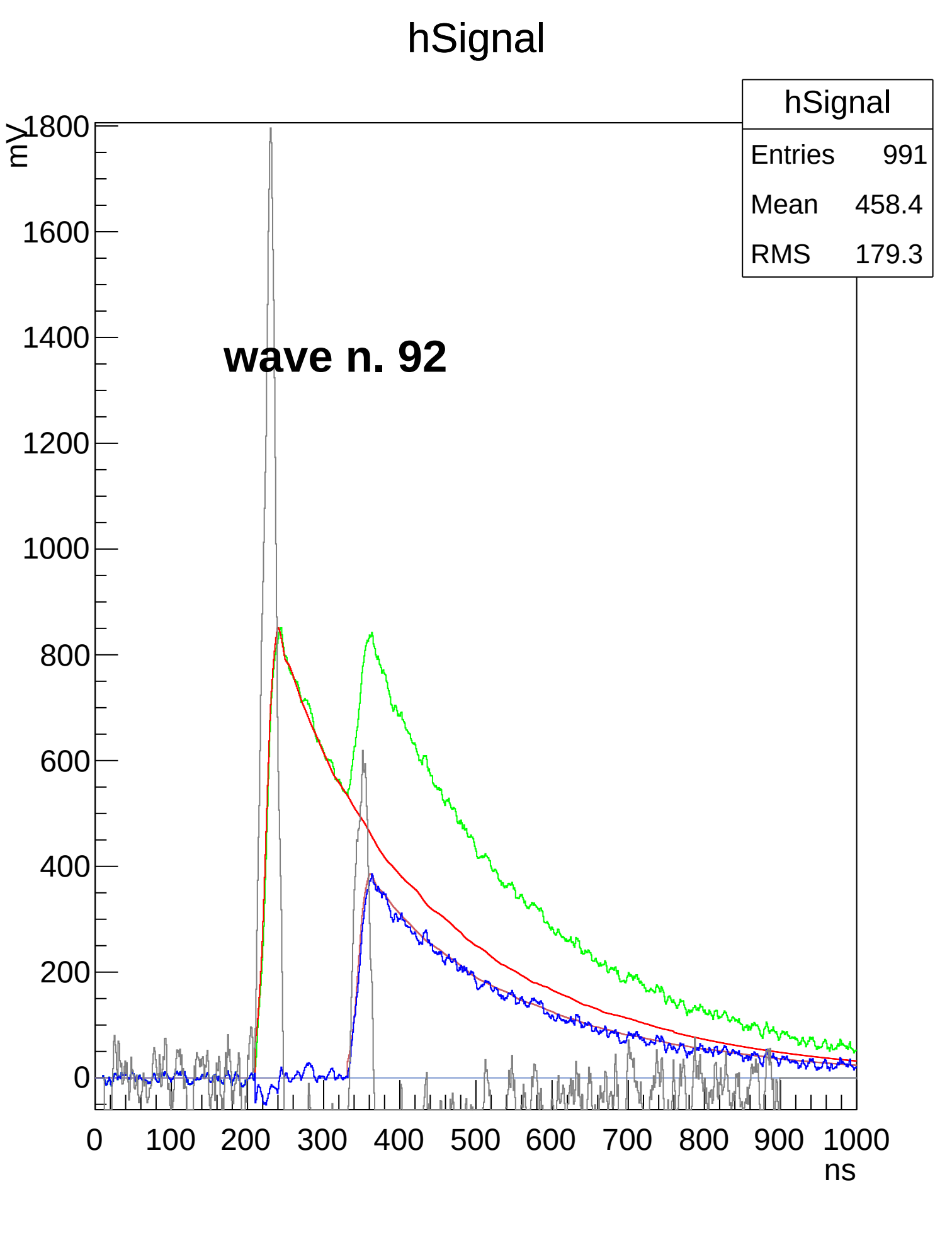

hSignal
hSignal
Entries 991
Mean 503
RMS 166
wave n. 87
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

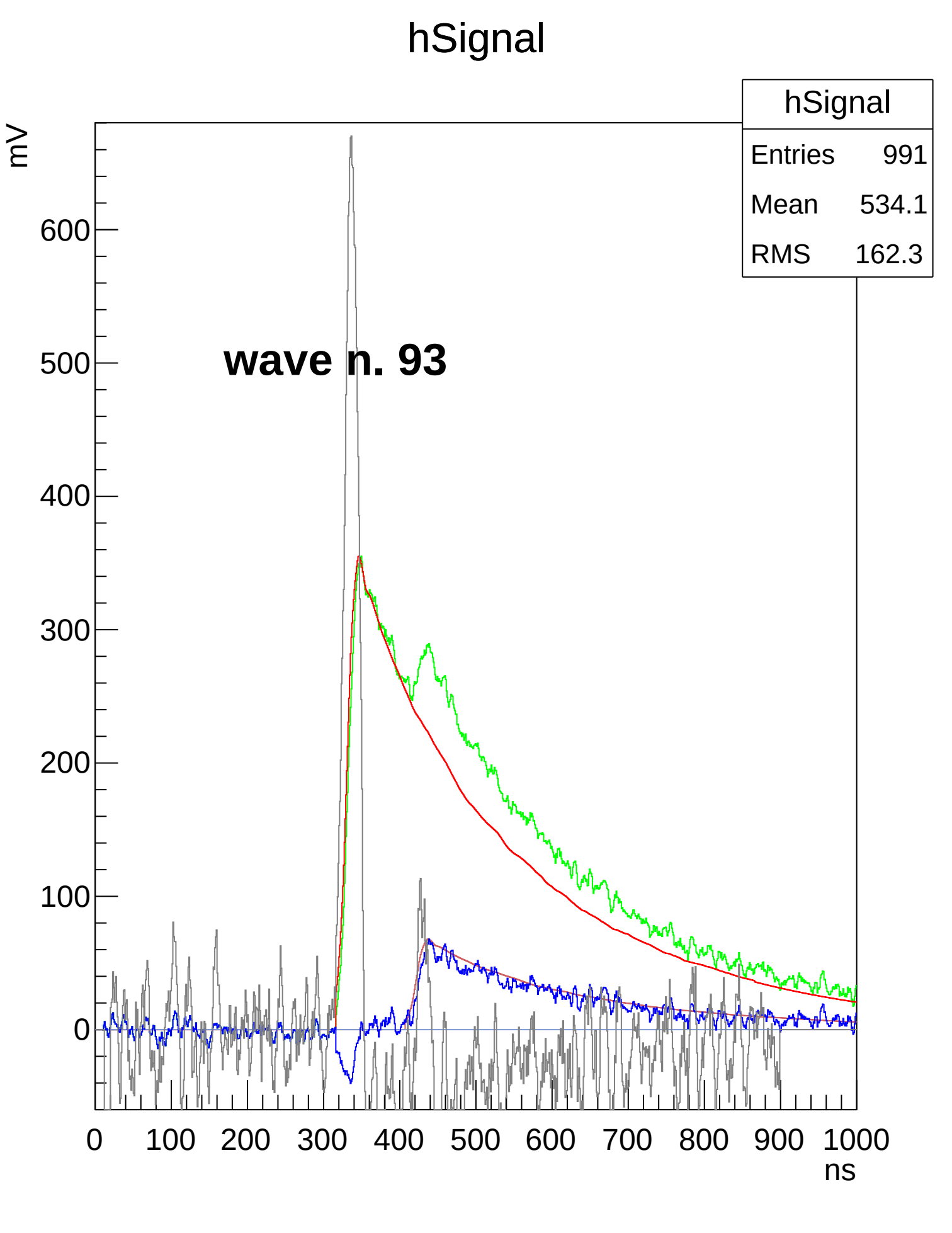

hSignal
hSignal
Entries 991
Mean 545.9
RMS 167.7
wave n. 88
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

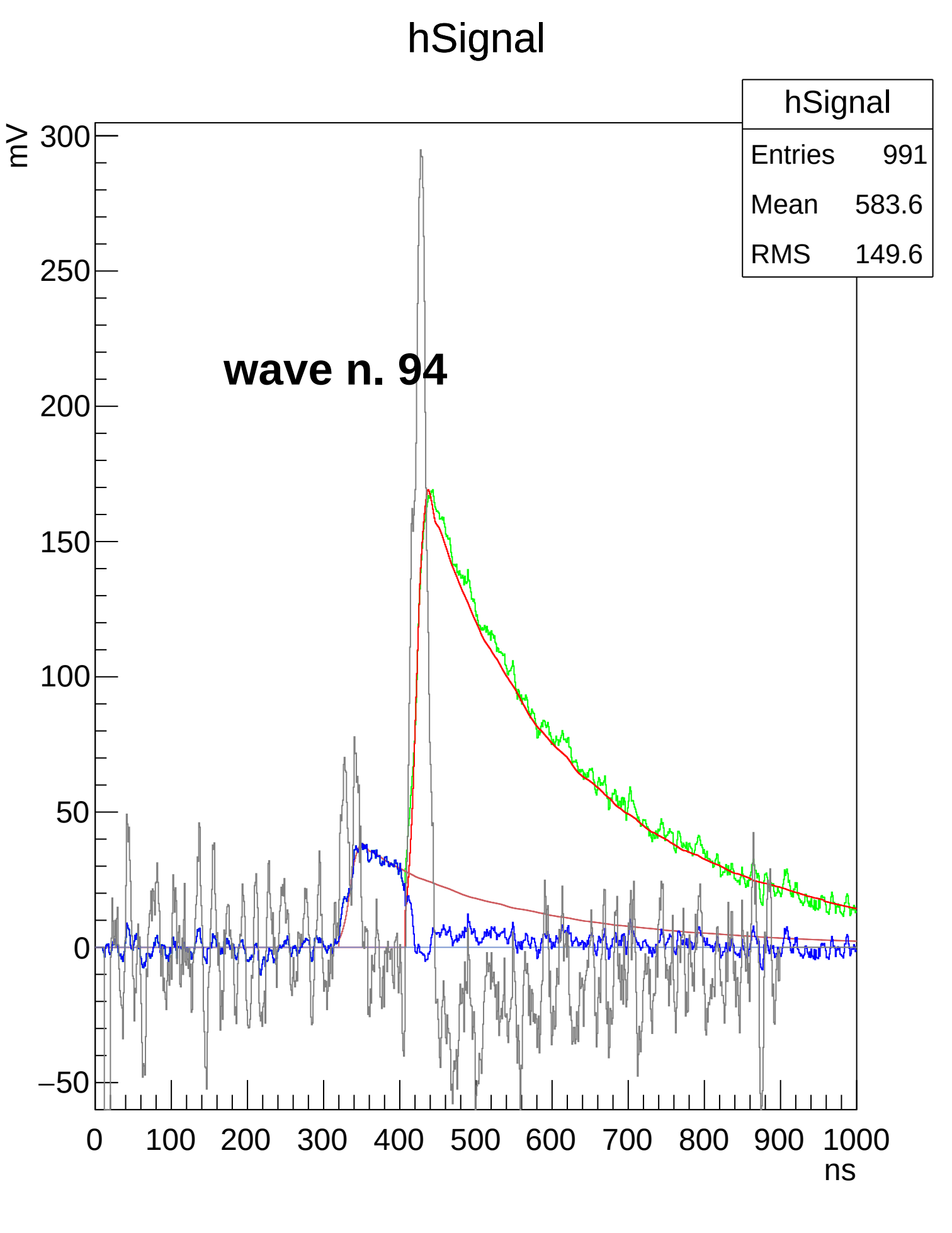

hSignal
hSignal
Entries 991
Mean 491.5
RMS 176.7
wave n. 89
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

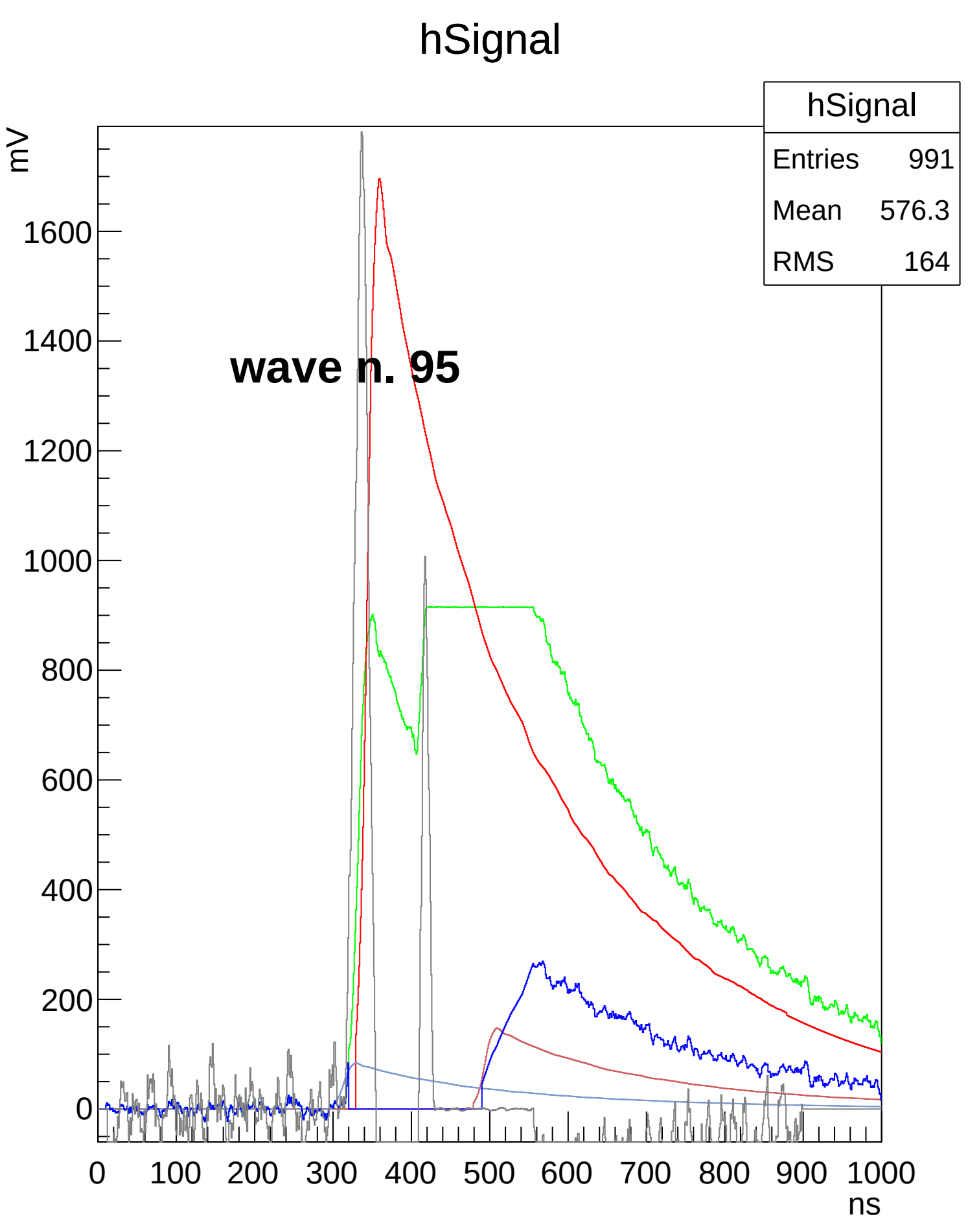

hSignal
hSignal
Entries 991
Mean 483.3
RMS 174.5
wave n. 90
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

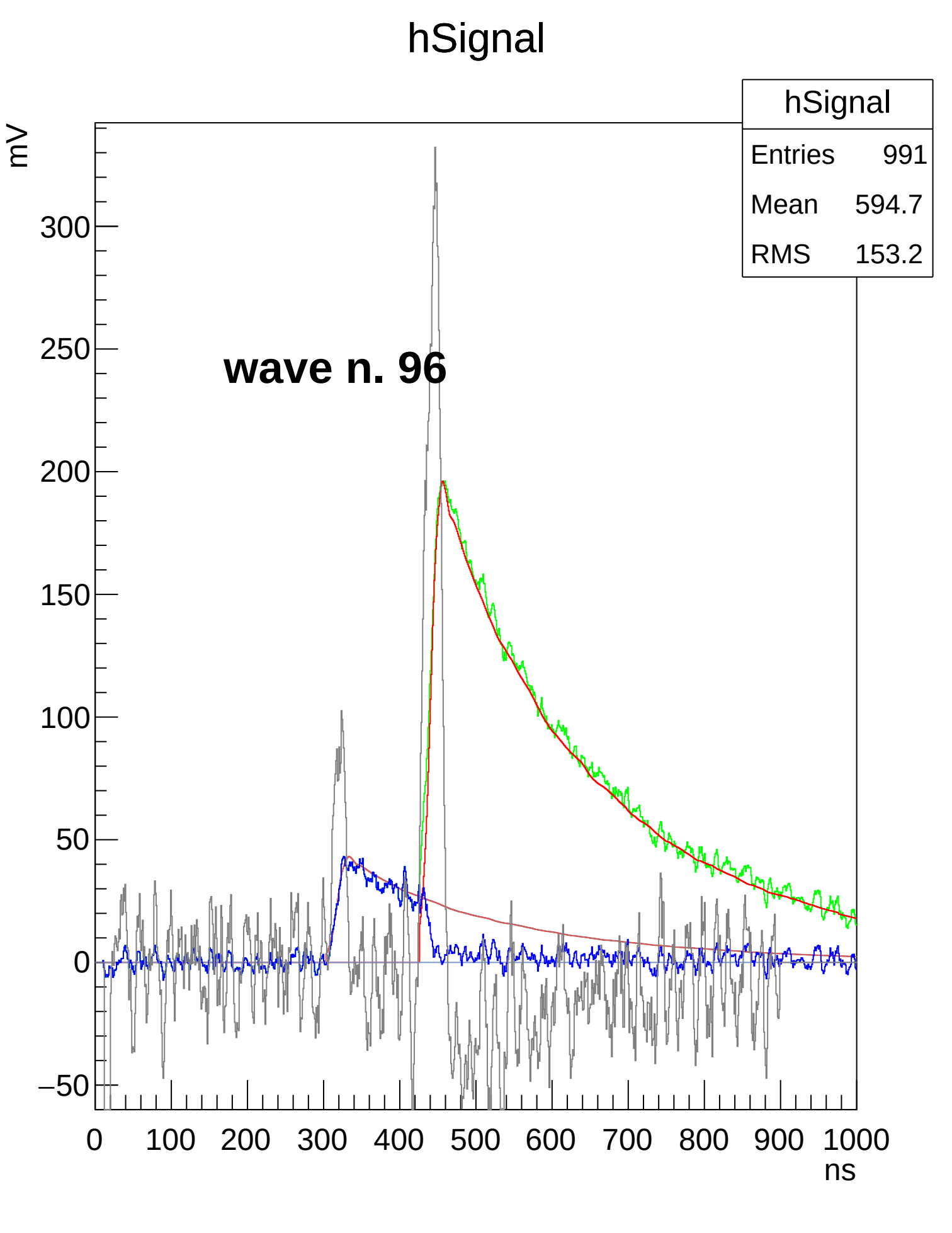

hSignal
hSignal
Entries 991
Mean 500.1
RMS 174.2
wave n. 91
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

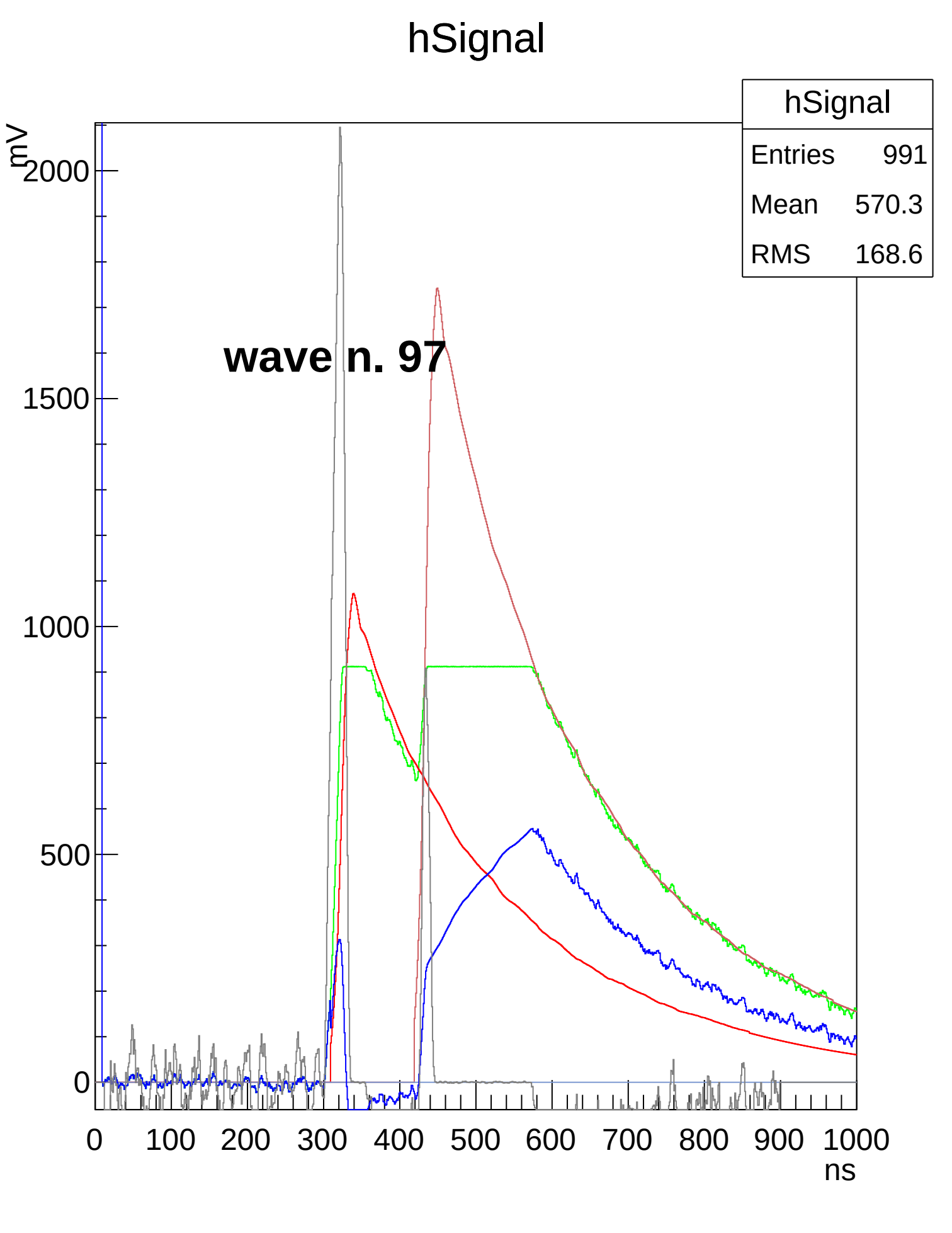

hSignal
hSignal
Entries 991
Mean 458.4
RMS 179.3
wave n. 92
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

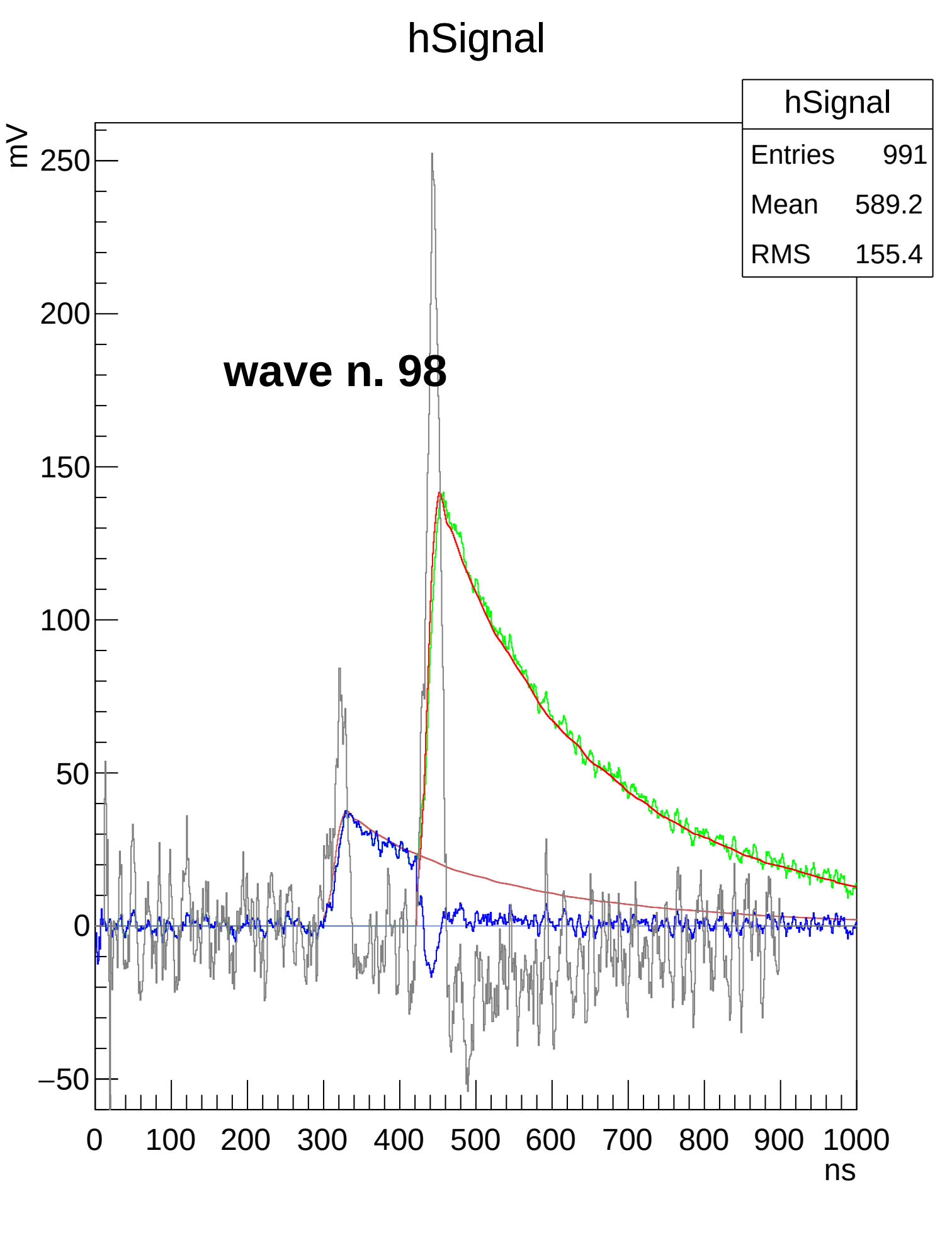

hSignal
hSignal
Entries 991
Mean 534.1
RMS 162.3
wave n. 93
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

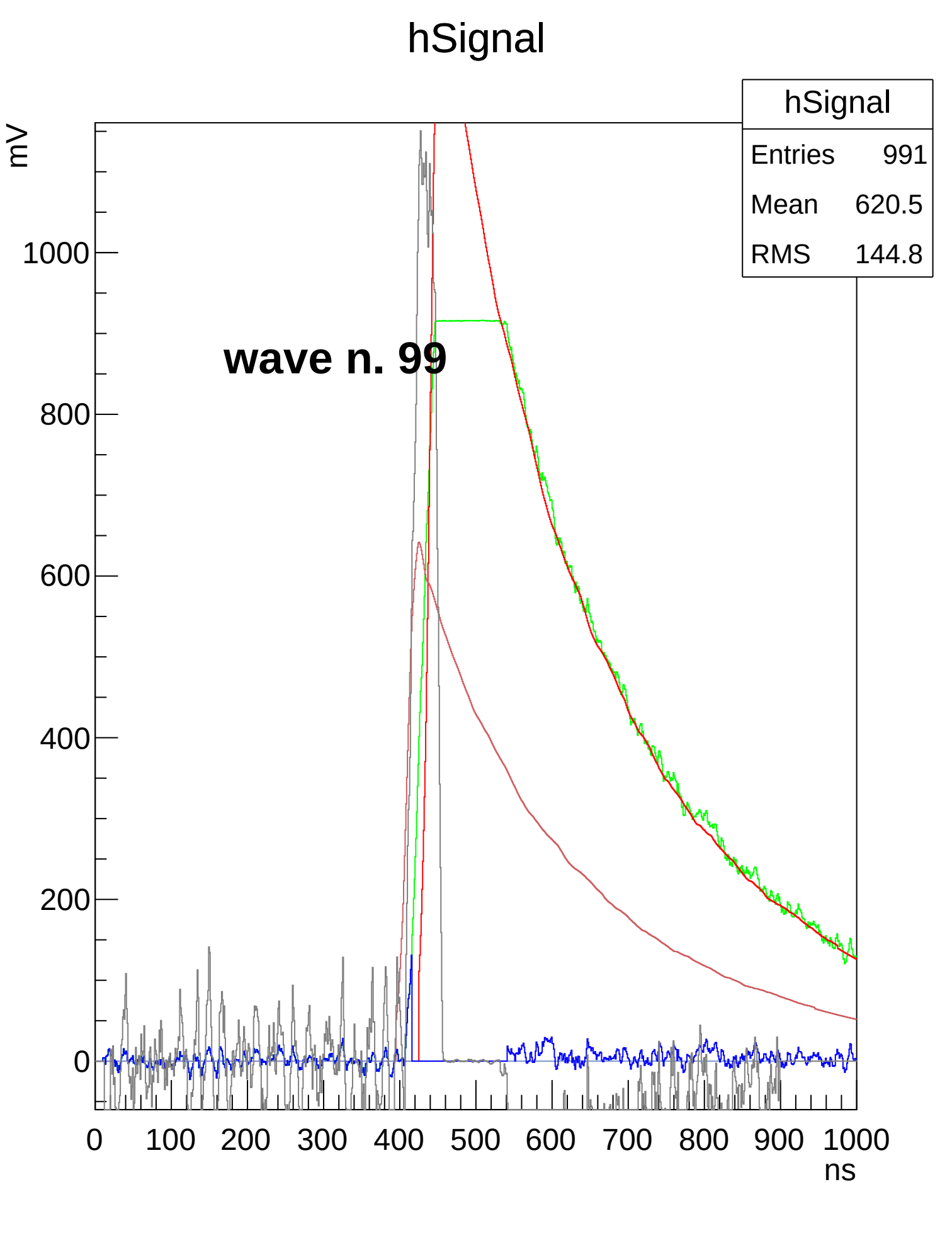

hSignal
hSignal
Entries 991
Mean 583.6
RMS 149.6
wave n. 94
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

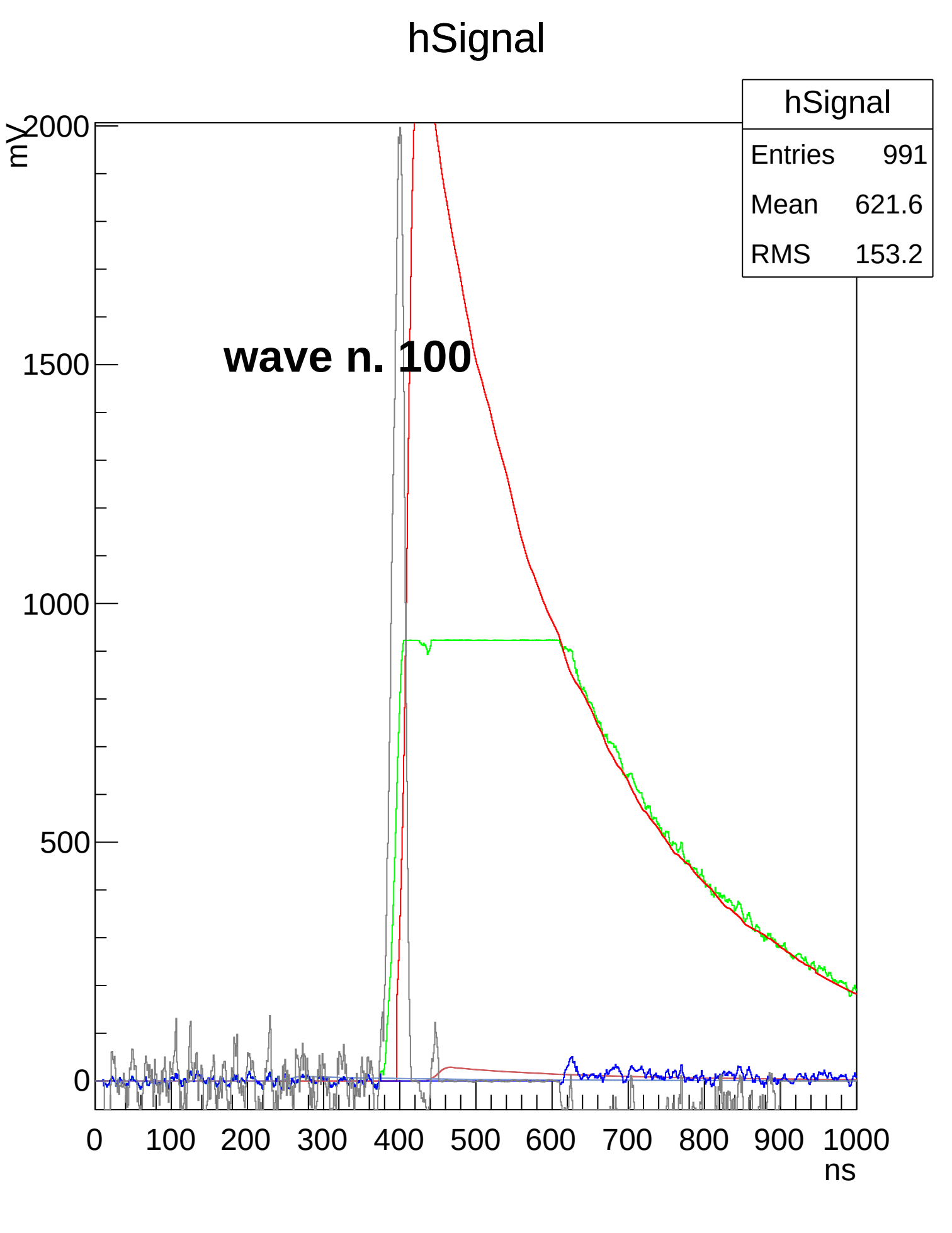

hSignal
hSignal
Entries 991
Mean 576.3
RMS 164
wave n. 95
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

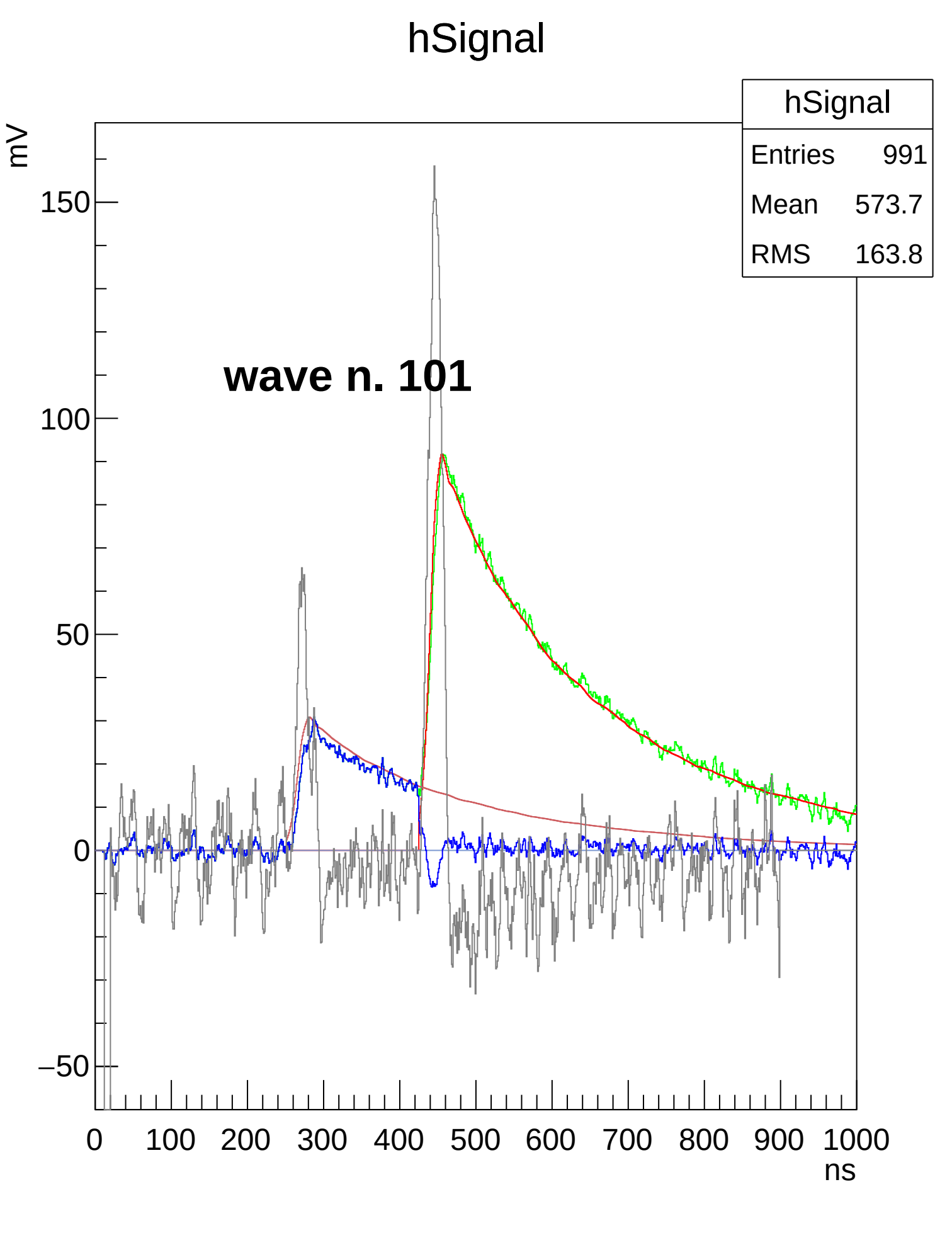

hSignal
hSignal
Entries 991
Mean 594.7
RMS 153.2
wave n. 96
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

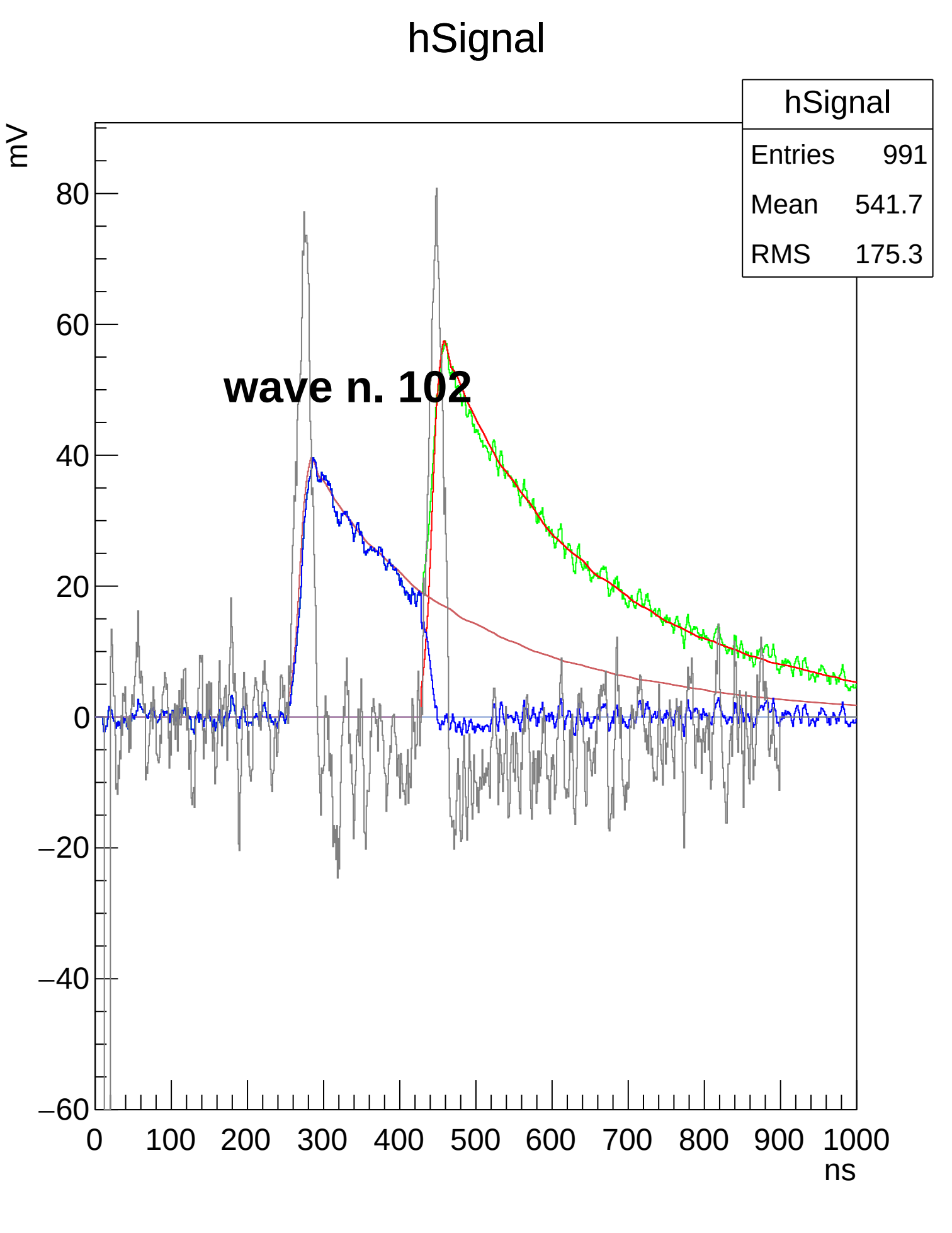

hSignal
hSignal
Entries 991
Mean 570.3
RMS 168.6
wave n. 97
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

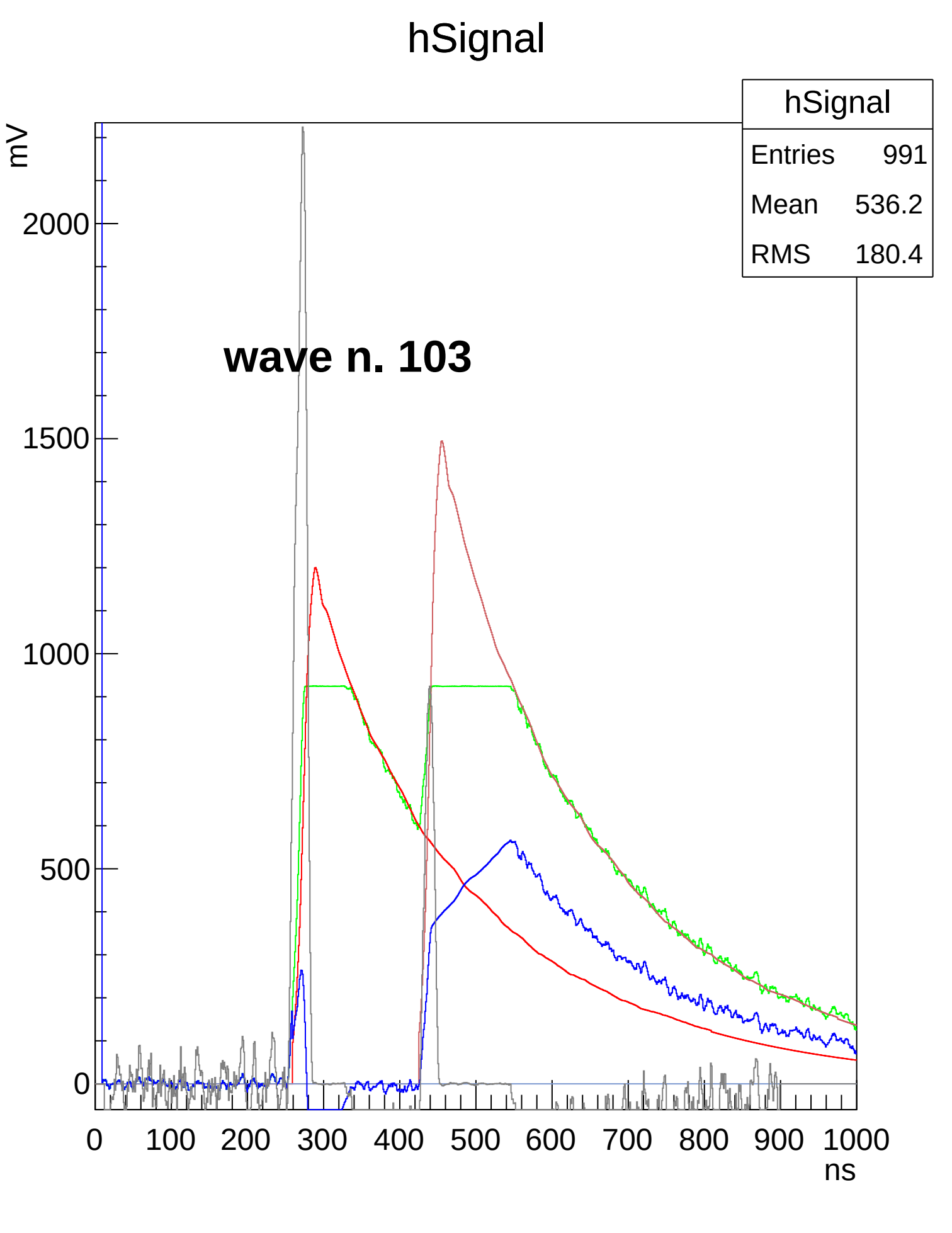

hSignal
hSignal
Entries 991
Mean 589.2
RMS 155.4
wave n. 98
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

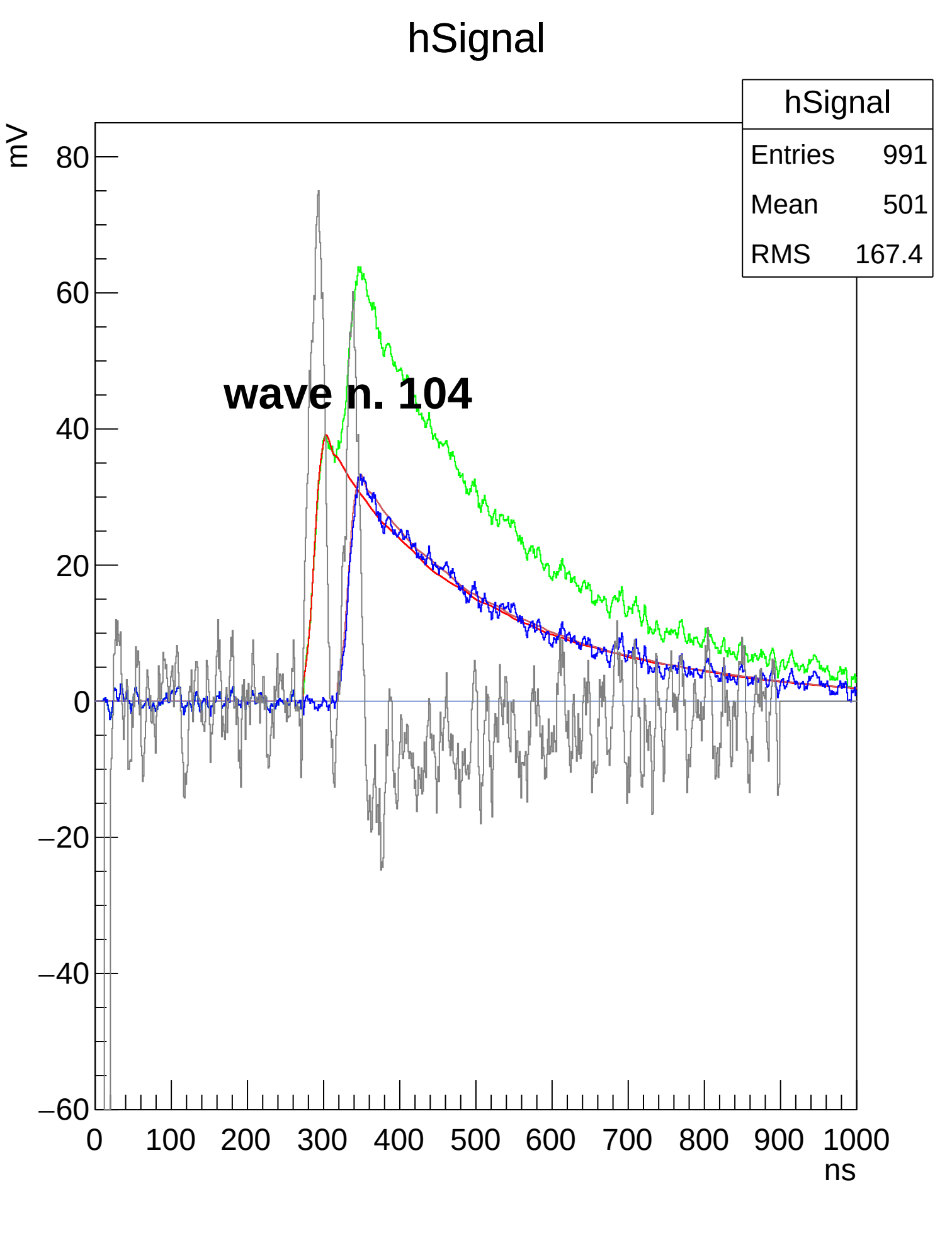

hSignal
hSignal
Entries 991
Mean 620.5
RMS 144.8
wave n. 99
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

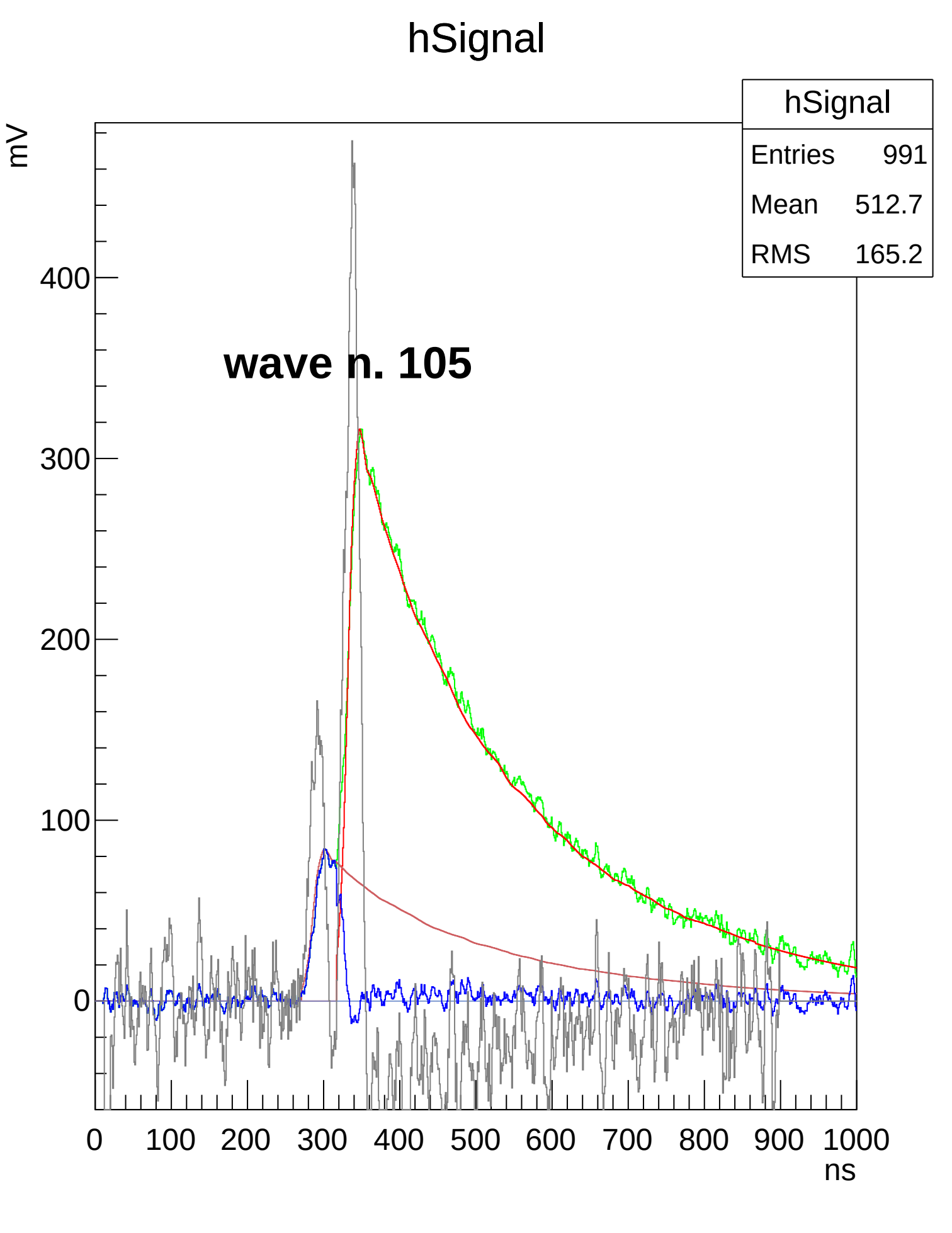

hSignal
hSignal
Entries 991
Mean 621.6
RMS 153.2
wave n. 100
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

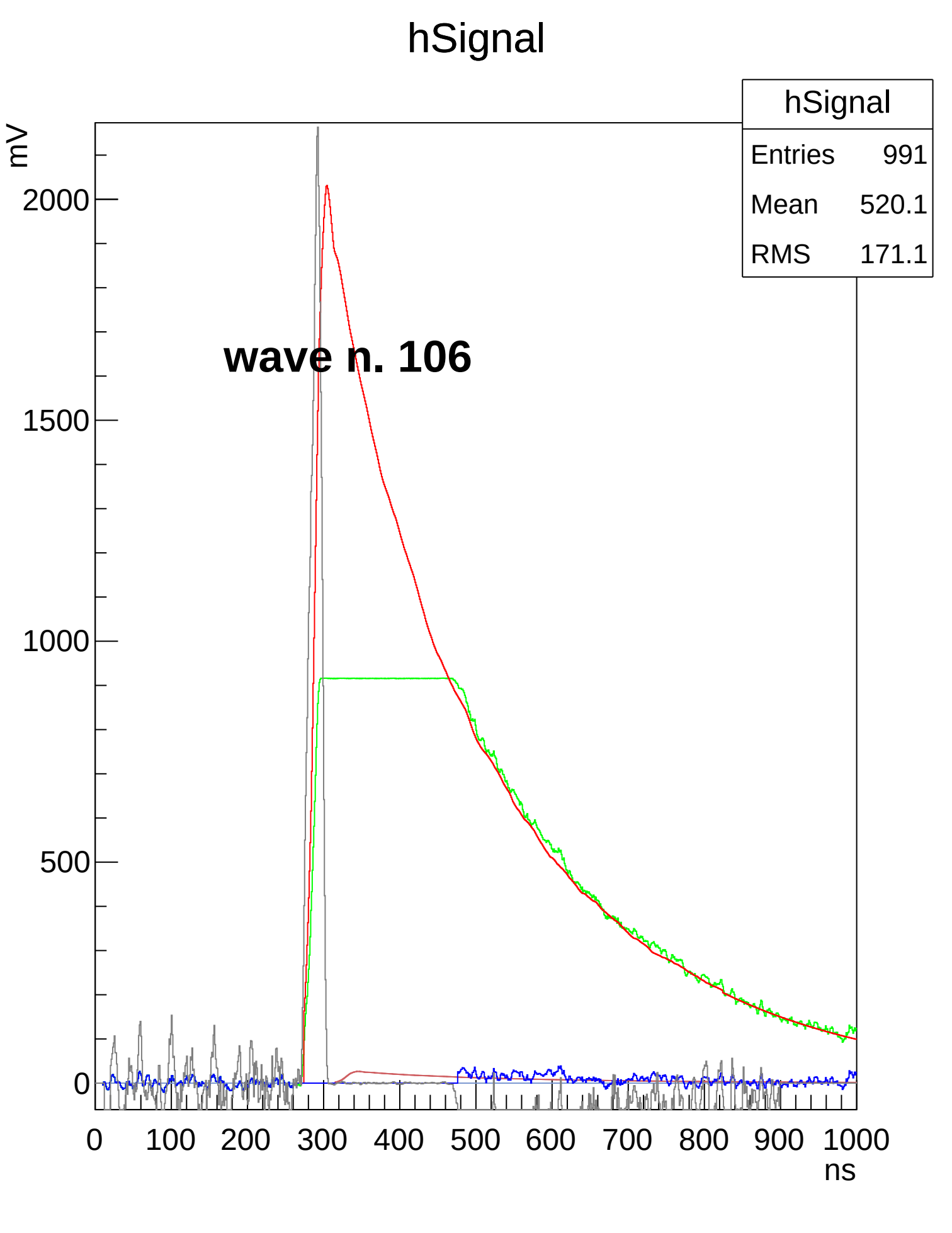

hSignal
hSignal
Entries 991
Mean 573.7
RMS 163.8
wave n. 101
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

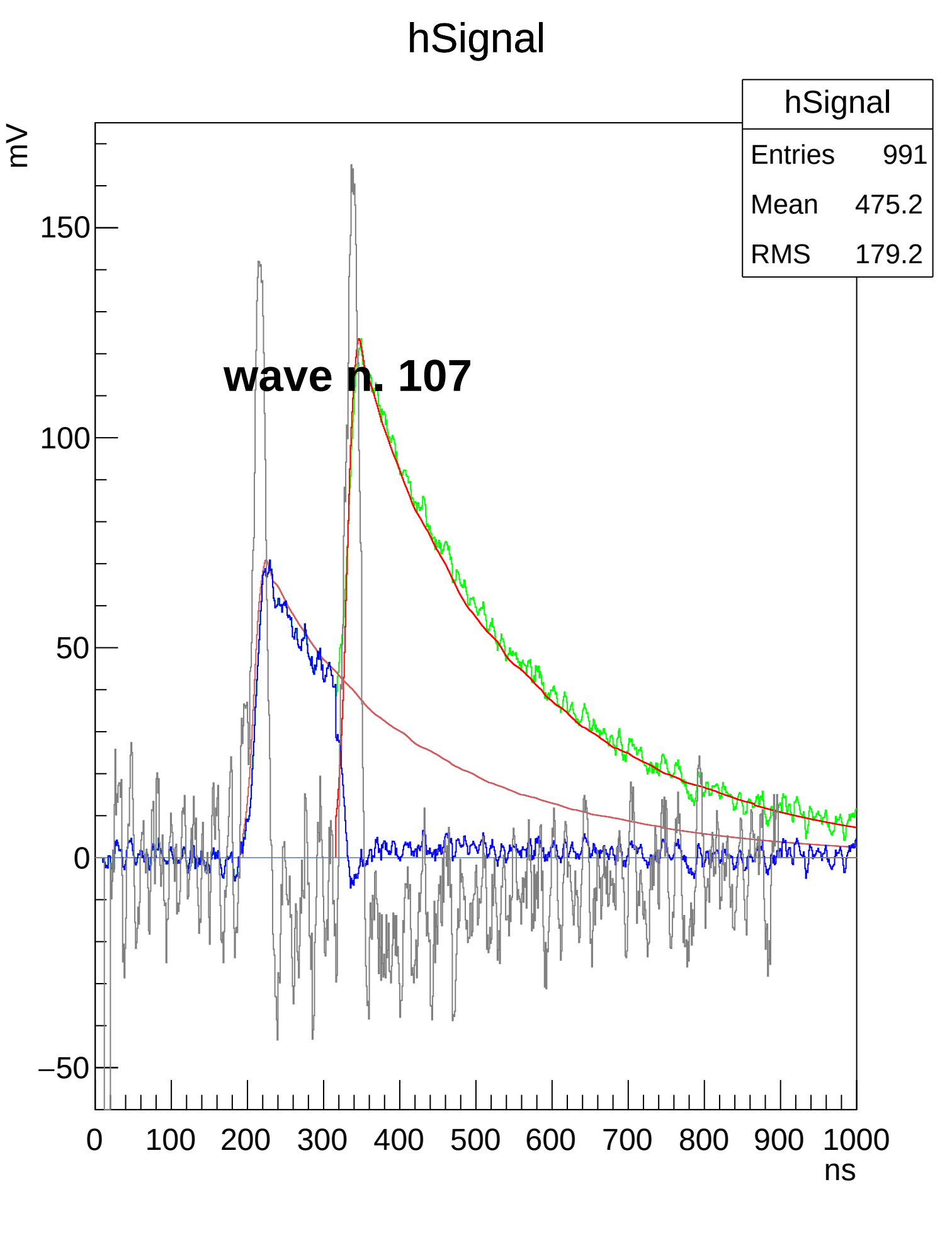

hSignal
hSignal
Entries 991
Mean 541.7
RMS 175.3
wave n. 102
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

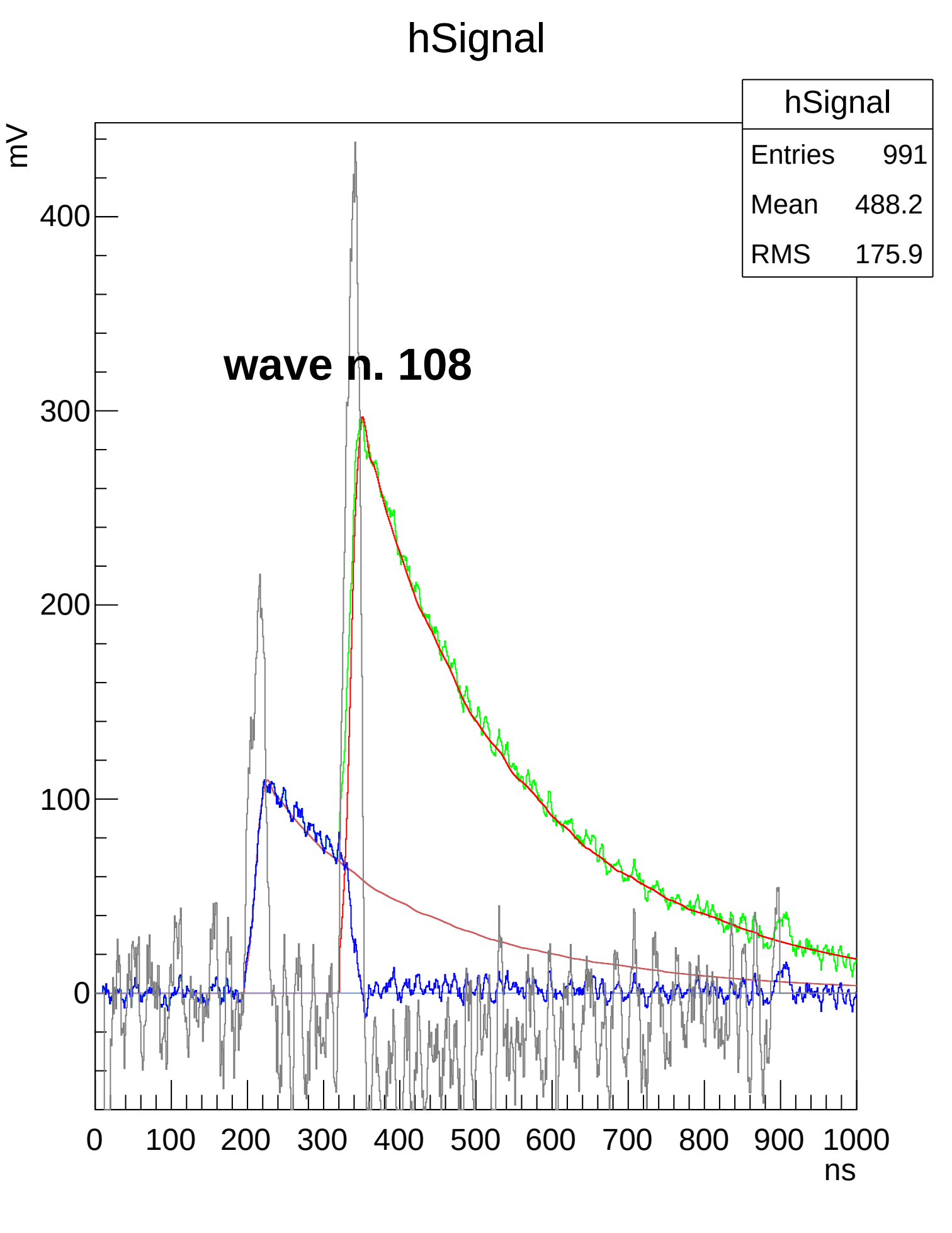

hSignal
hSignal
Entries 991
Mean 536.2
RMS 180.4
wave n. 103
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

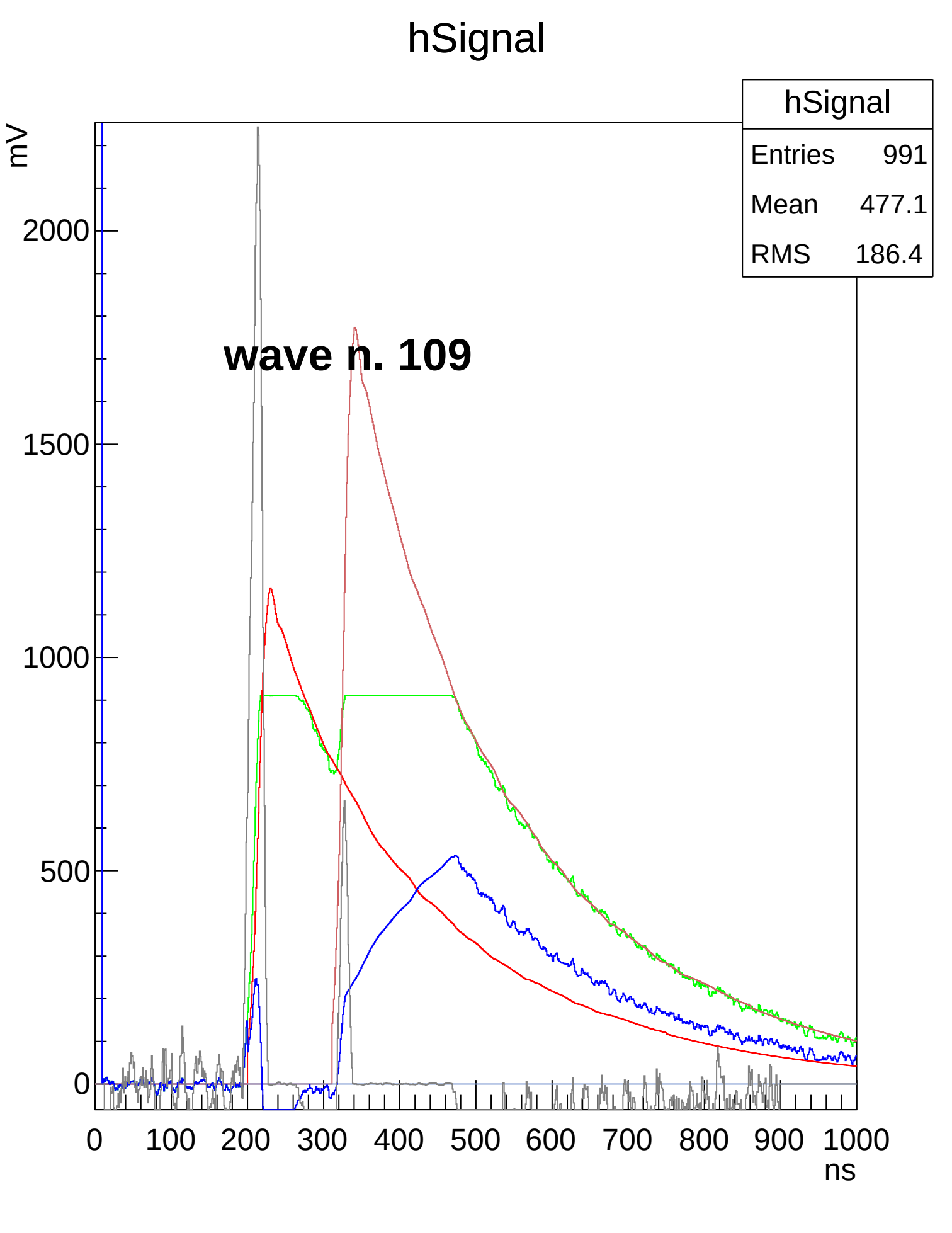

hSignal
hSignal
Entries 991
Mean 501
RMS 167.4
wave n. 104
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

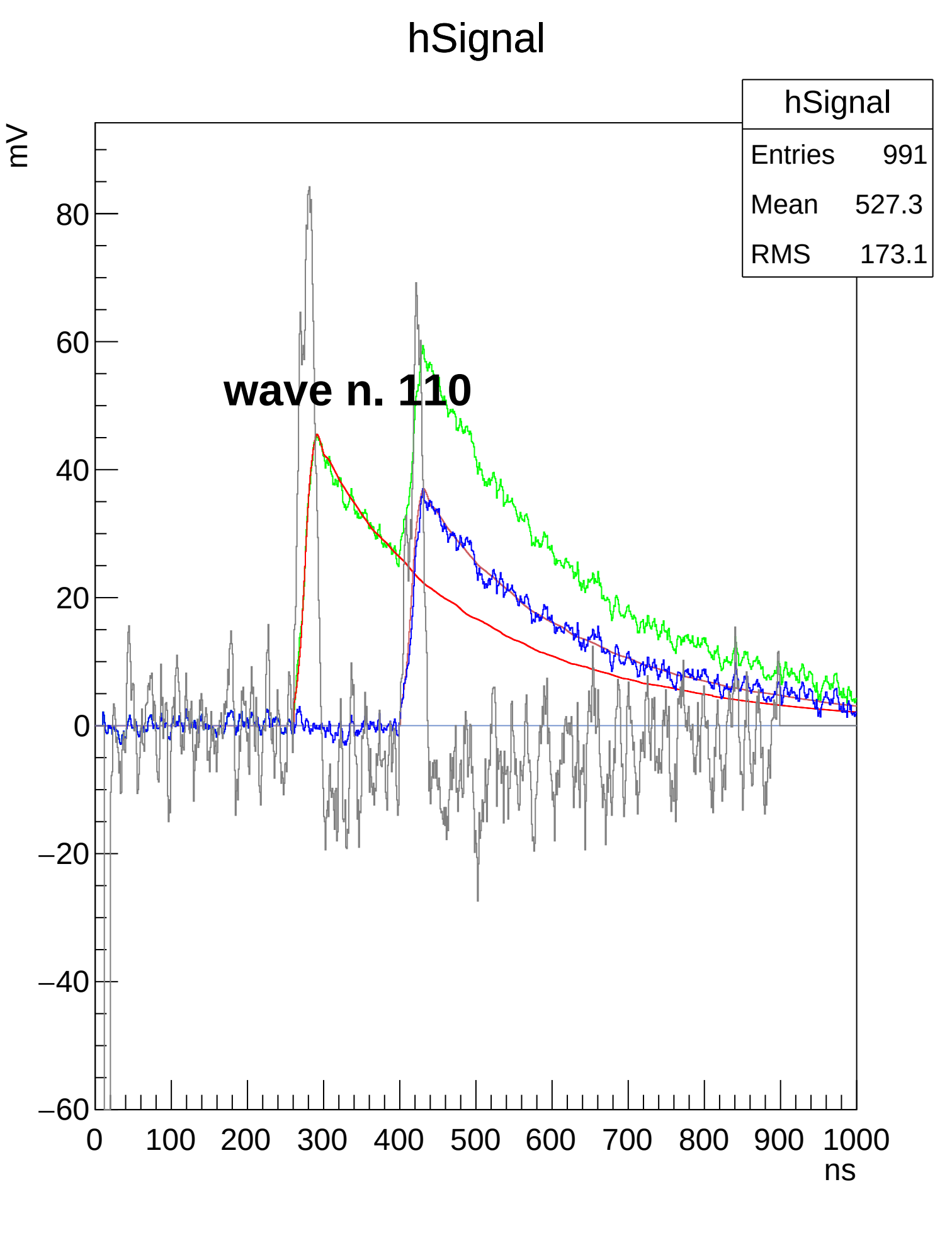

hSignal
hSignal
Entries 991
Mean 512.7
RMS 165.2
wave n. 105
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

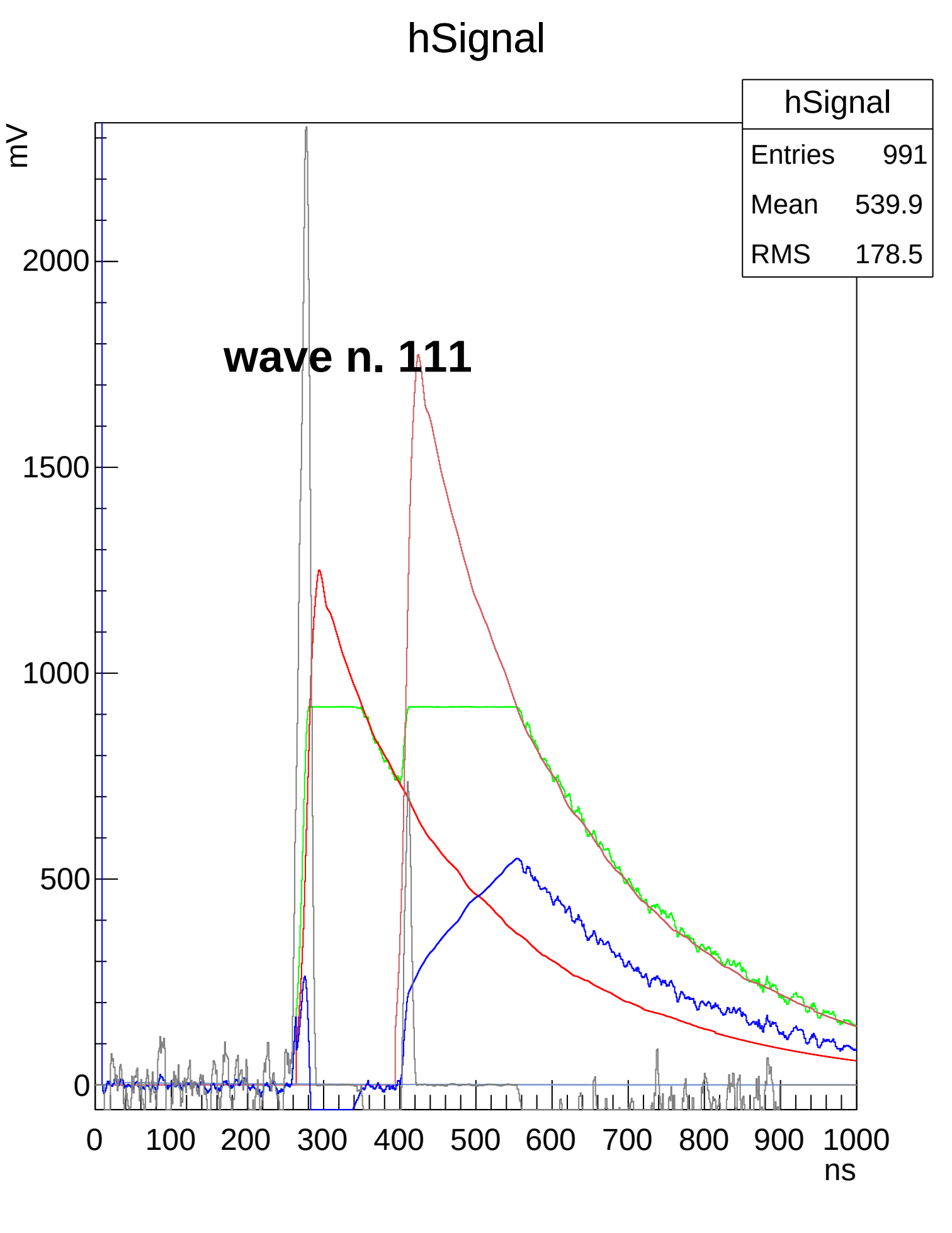

hSignal
hSignal
Entries 991
Mean 520.1
RMS 171.1
wave n. 106
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

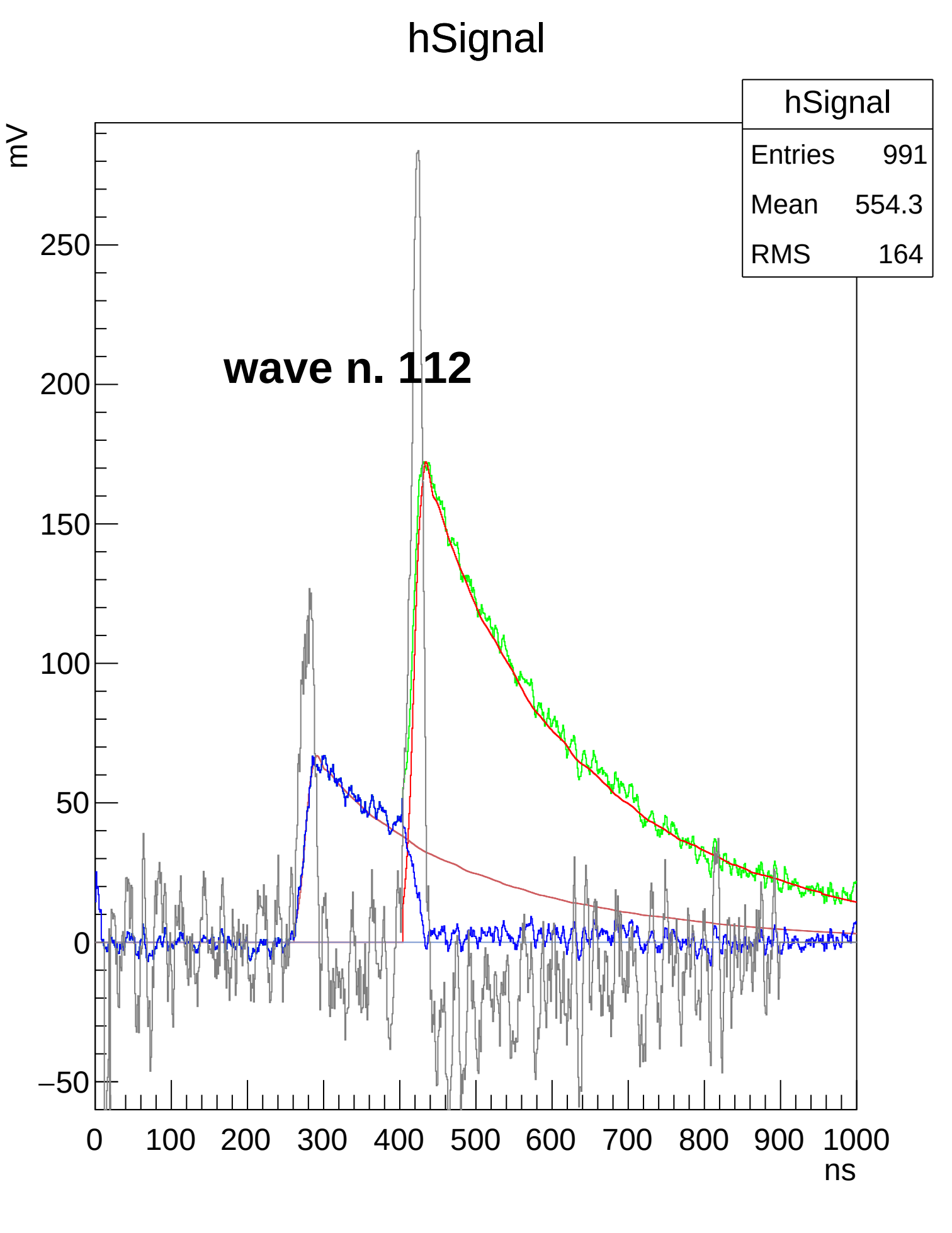

hSignal
hSignal
Entries 991
Mean 475.2
RMS 179.2
wave n. 107
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

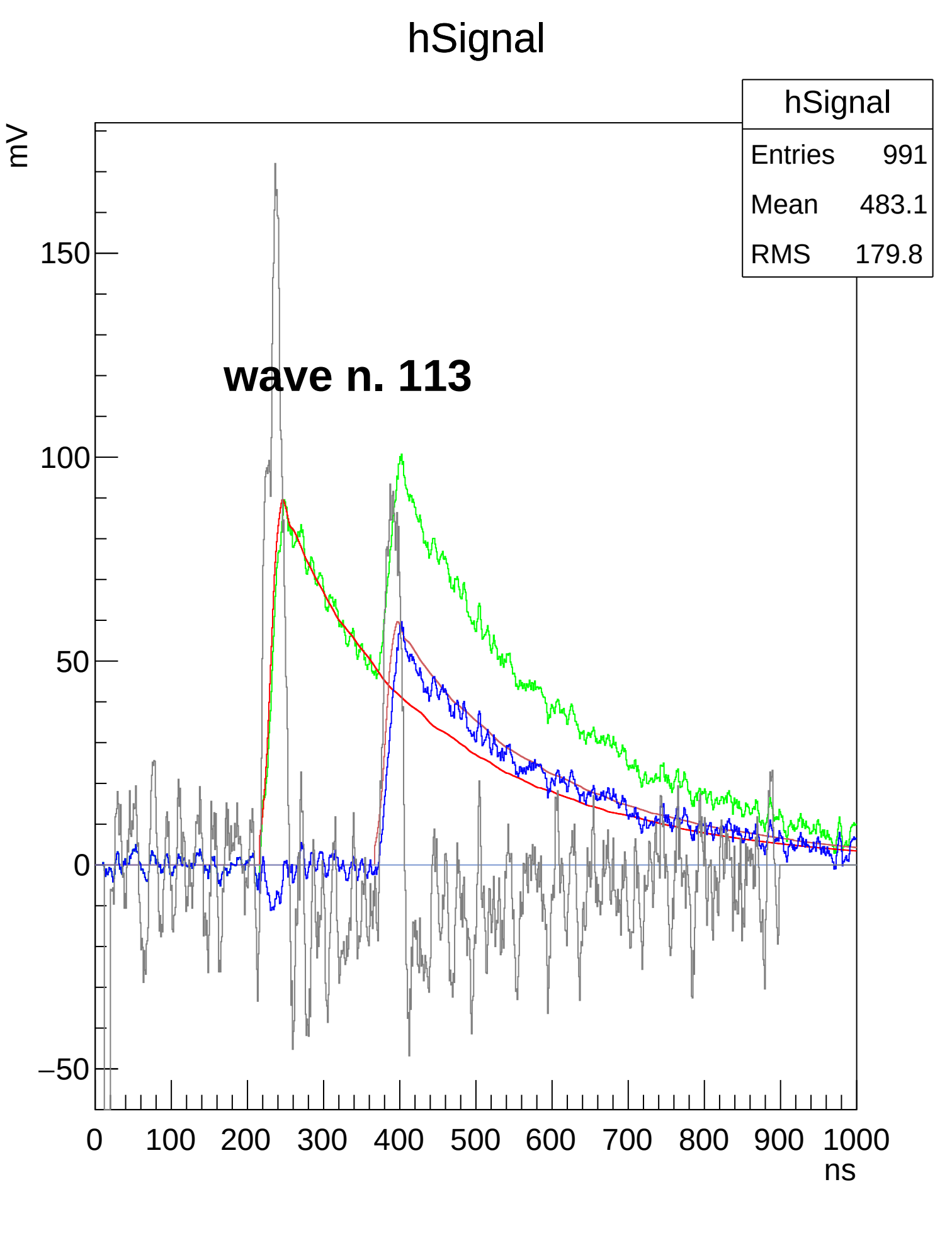

hSignal
hSignal
Entries 991
Mean 488.2
RMS 175.9
wave n. 108
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

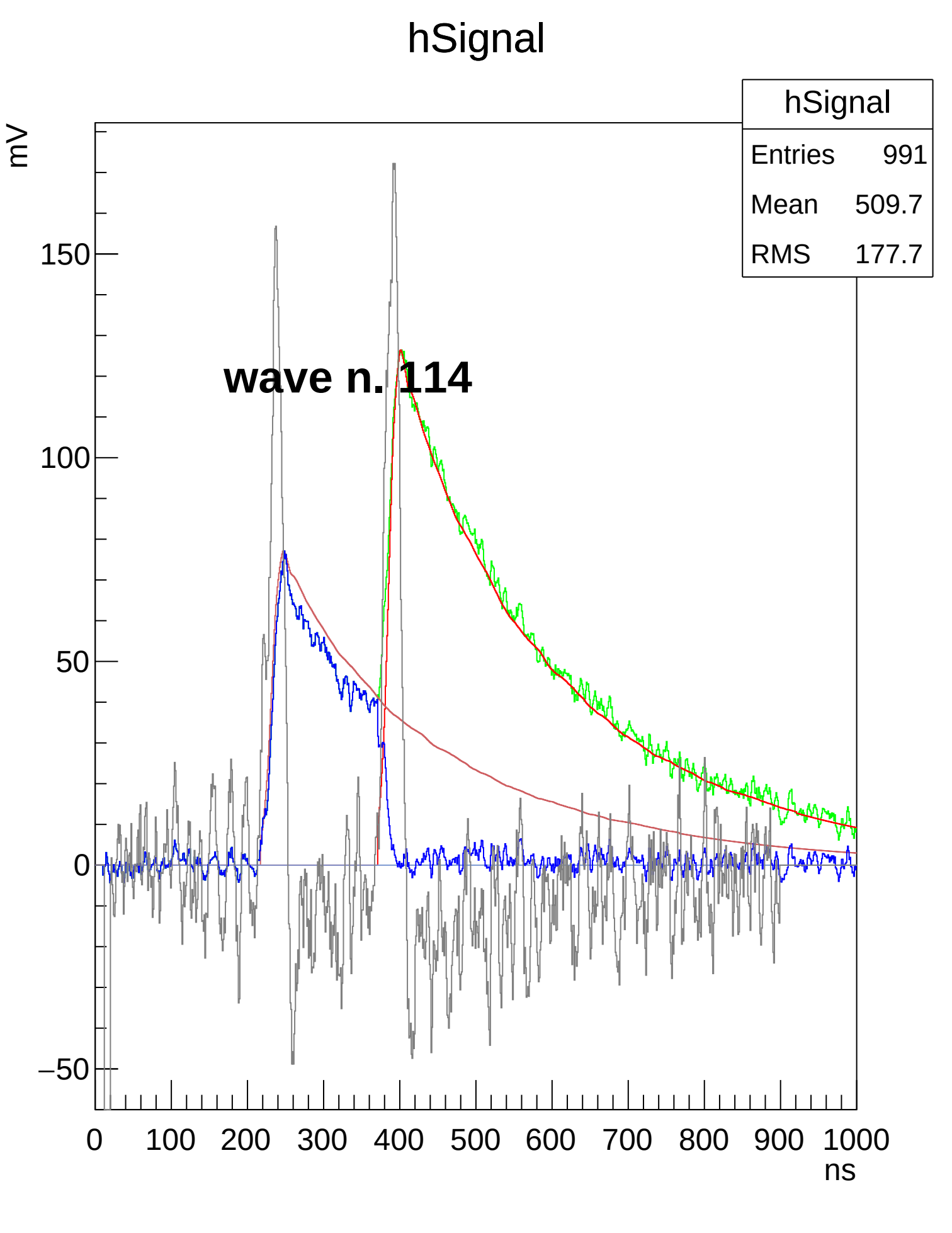

hSignal
hSignal
Entries 991
Mean 477.1
RMS 186.4
wave n. 109
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

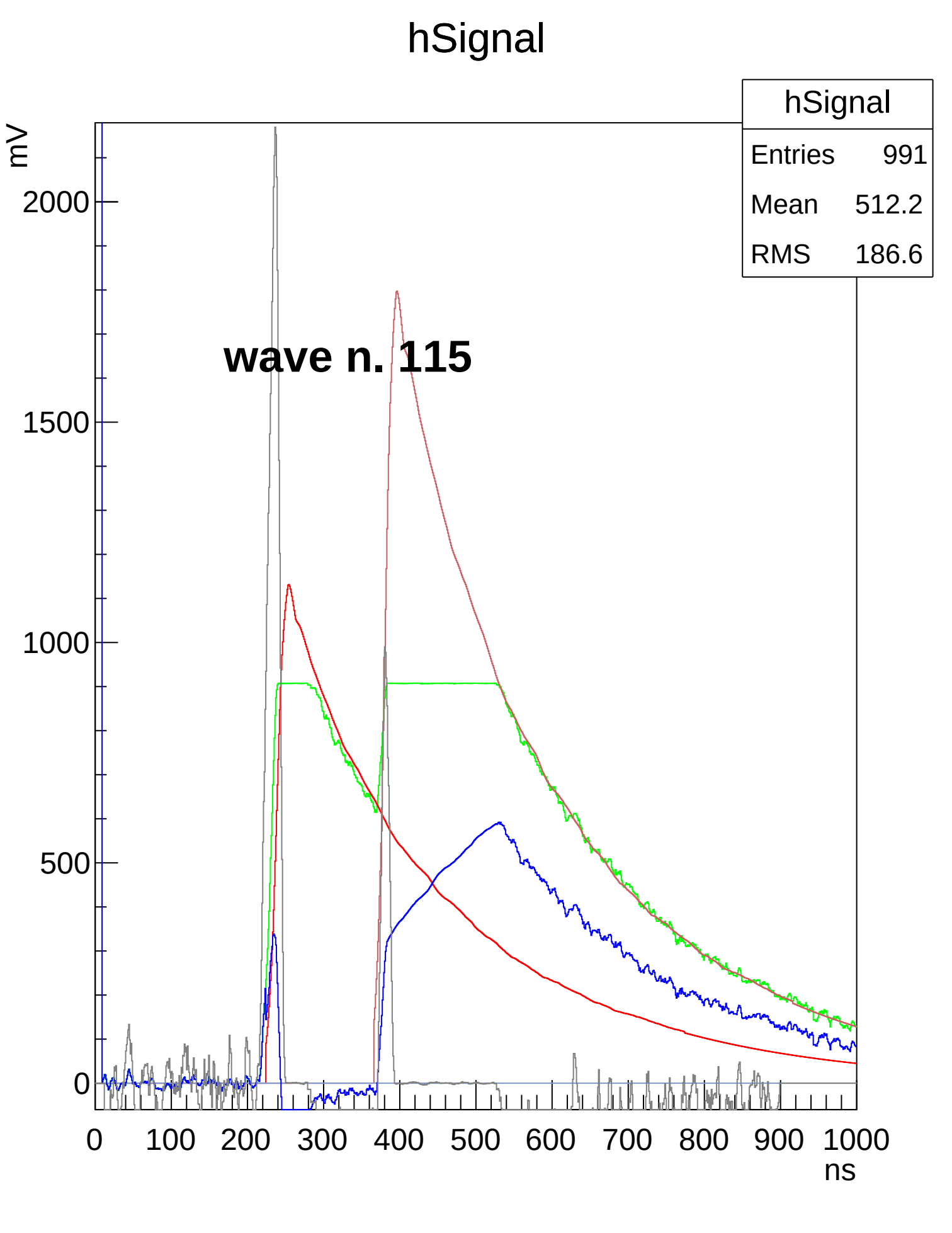

hSignal
hSignal
Entries 991
Mean 527.3
RMS 173.1
wave n. 110
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

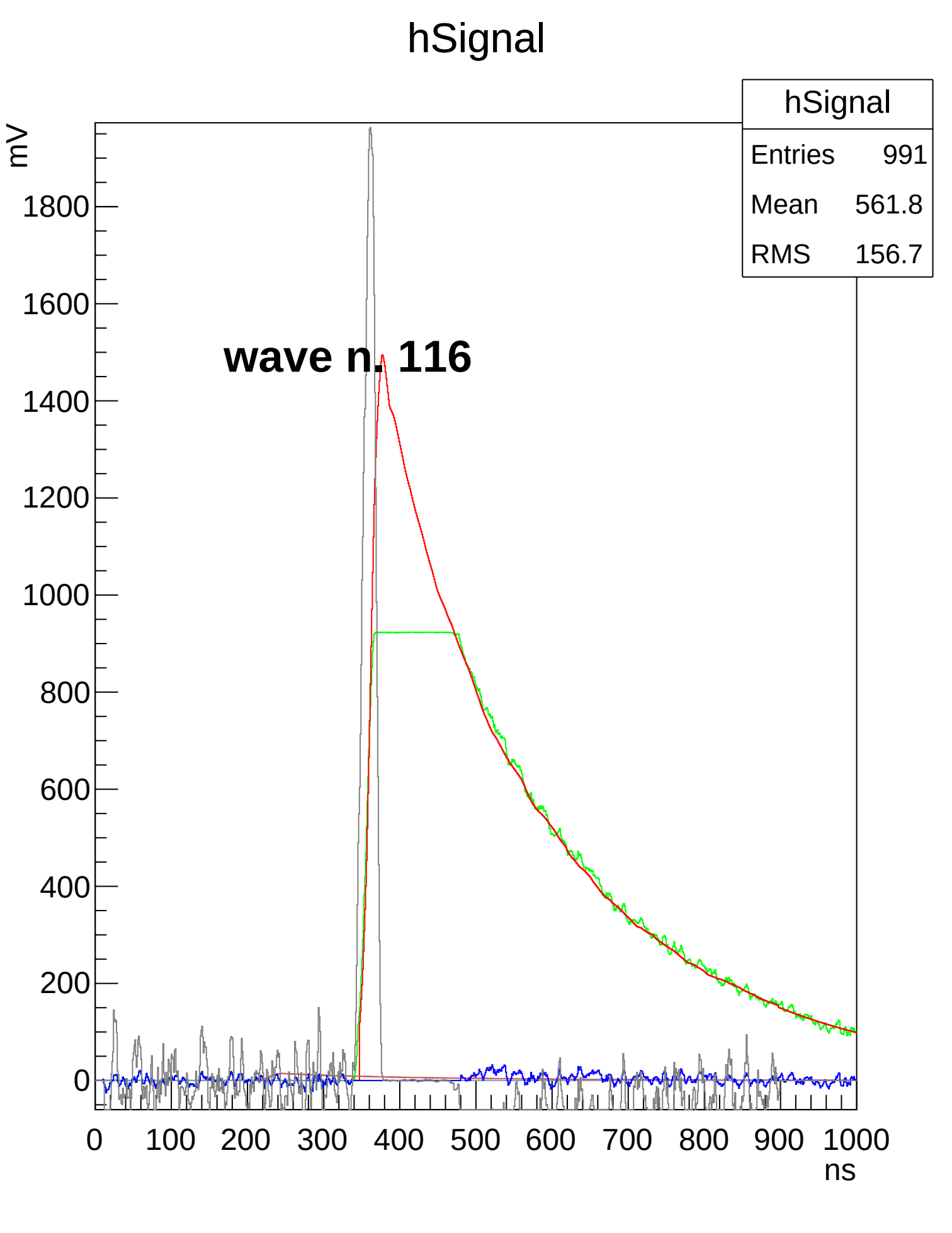

hSignal
hSignal
Entries 991
Mean 539.9
RMS 178.5
wave n. 111
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

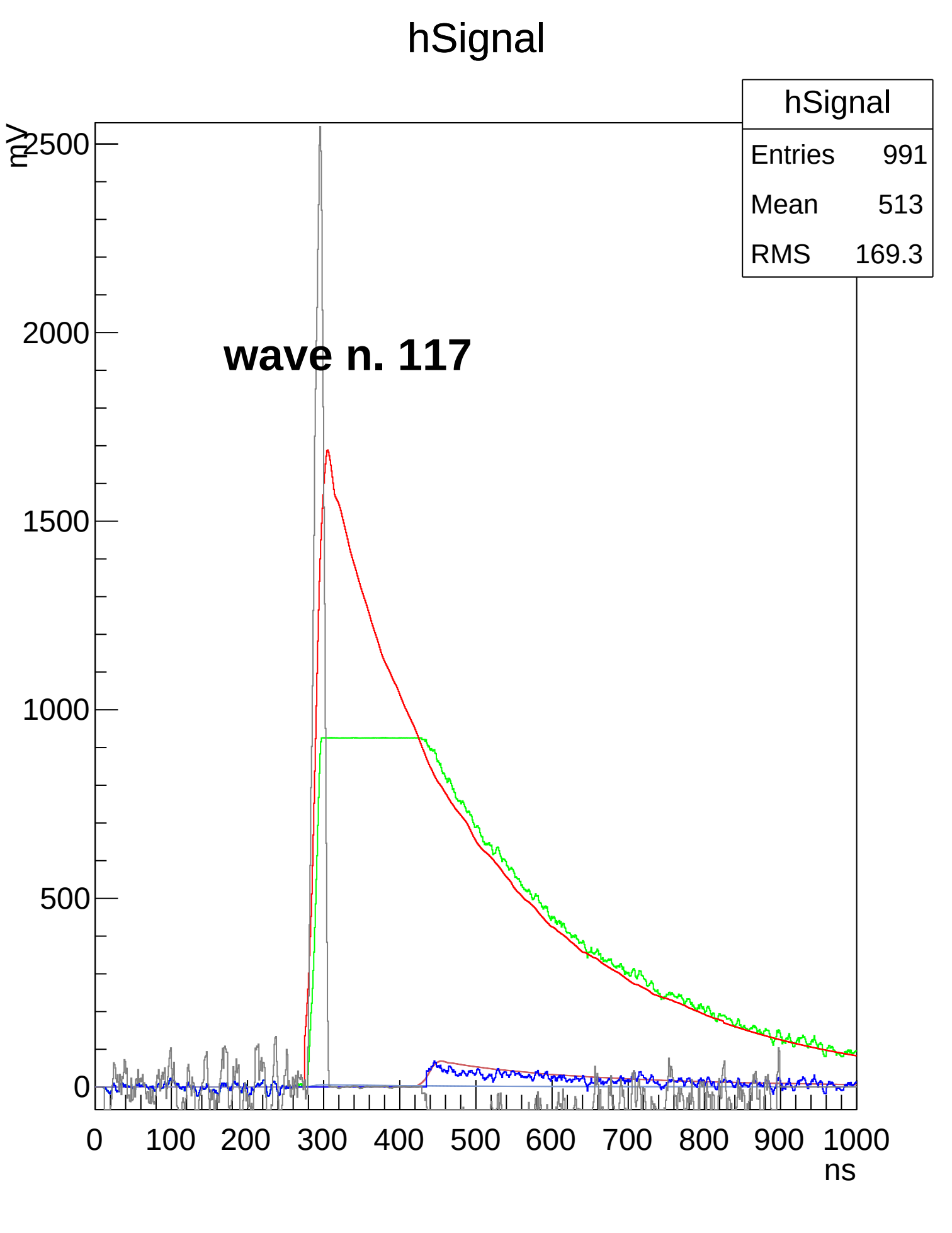

hSignal
hSignal
Entries 991
Mean 554.3
RMS 164
wave n. 112
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

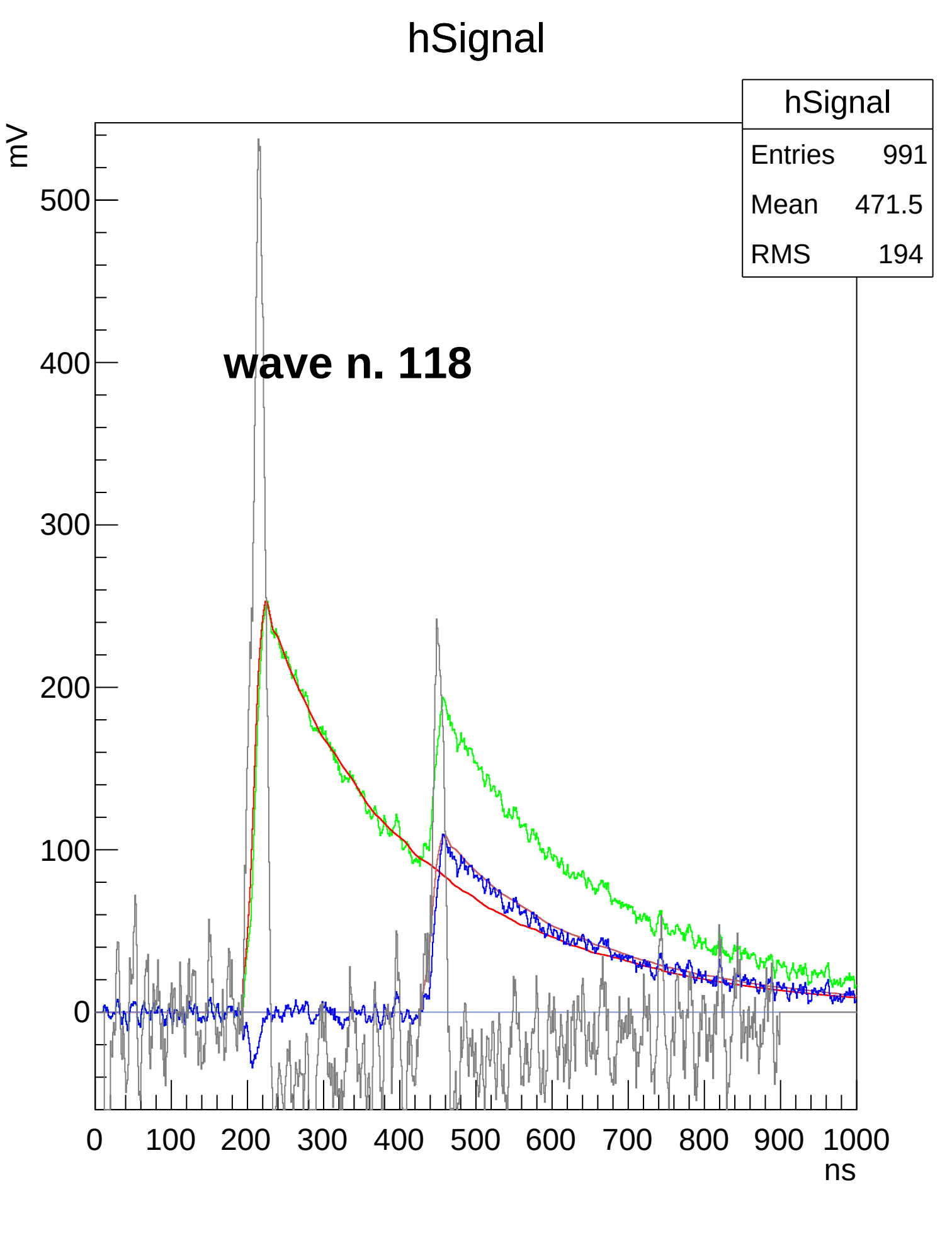

hSignal
hSignal
Entries 991
Mean 483.1
RMS 179.8
wave n. 113
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

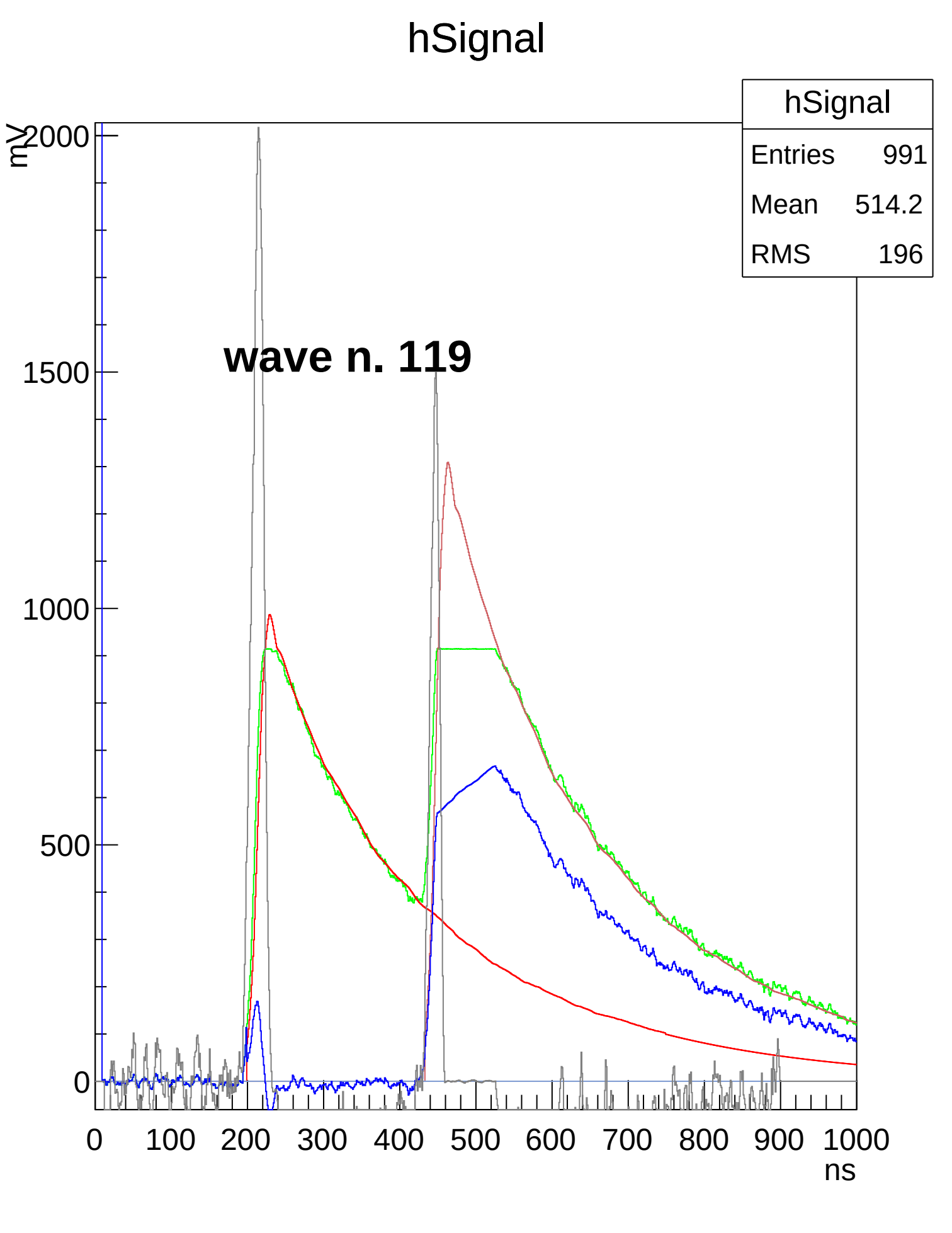

hSignal
hSignal
Entries 991
Mean 509.7
RMS 177.7
wave n. 114
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

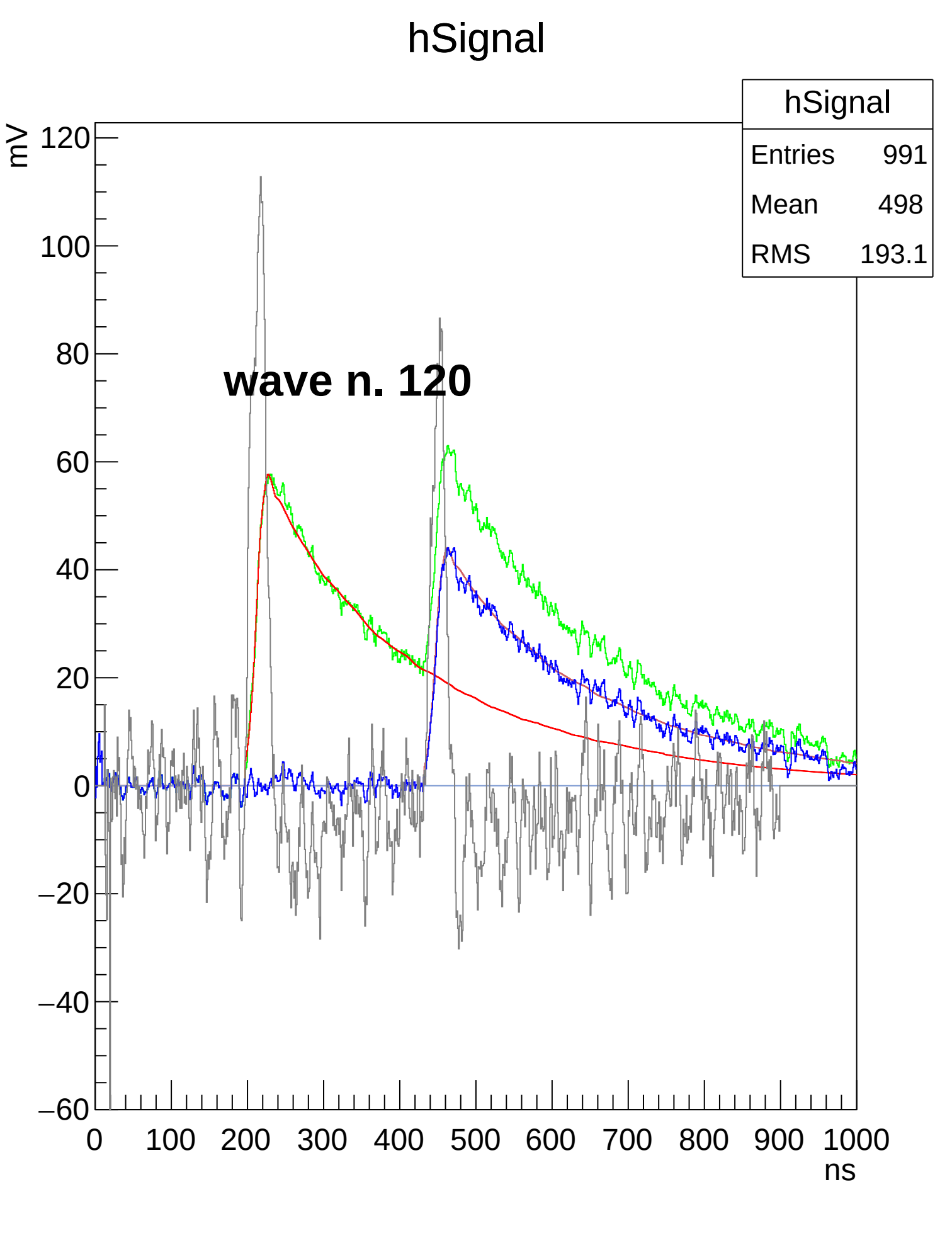

hSignal
hSignal
Entries 991
Mean 512.2
RMS 186.6
wave n. 115
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

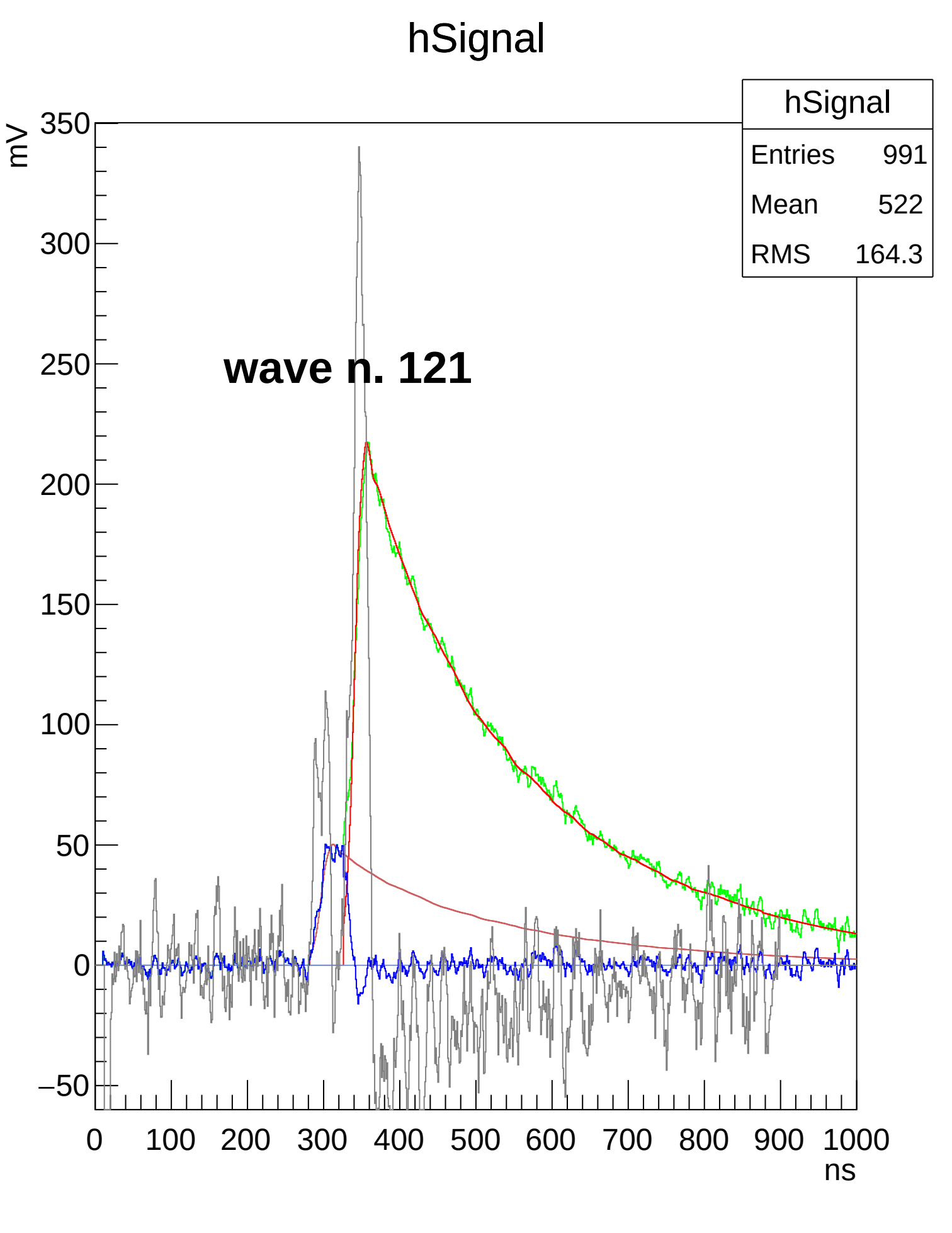

hSignal
hSignal
Entries 991
Mean 561.8
RMS 156.7
wave n. 116
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

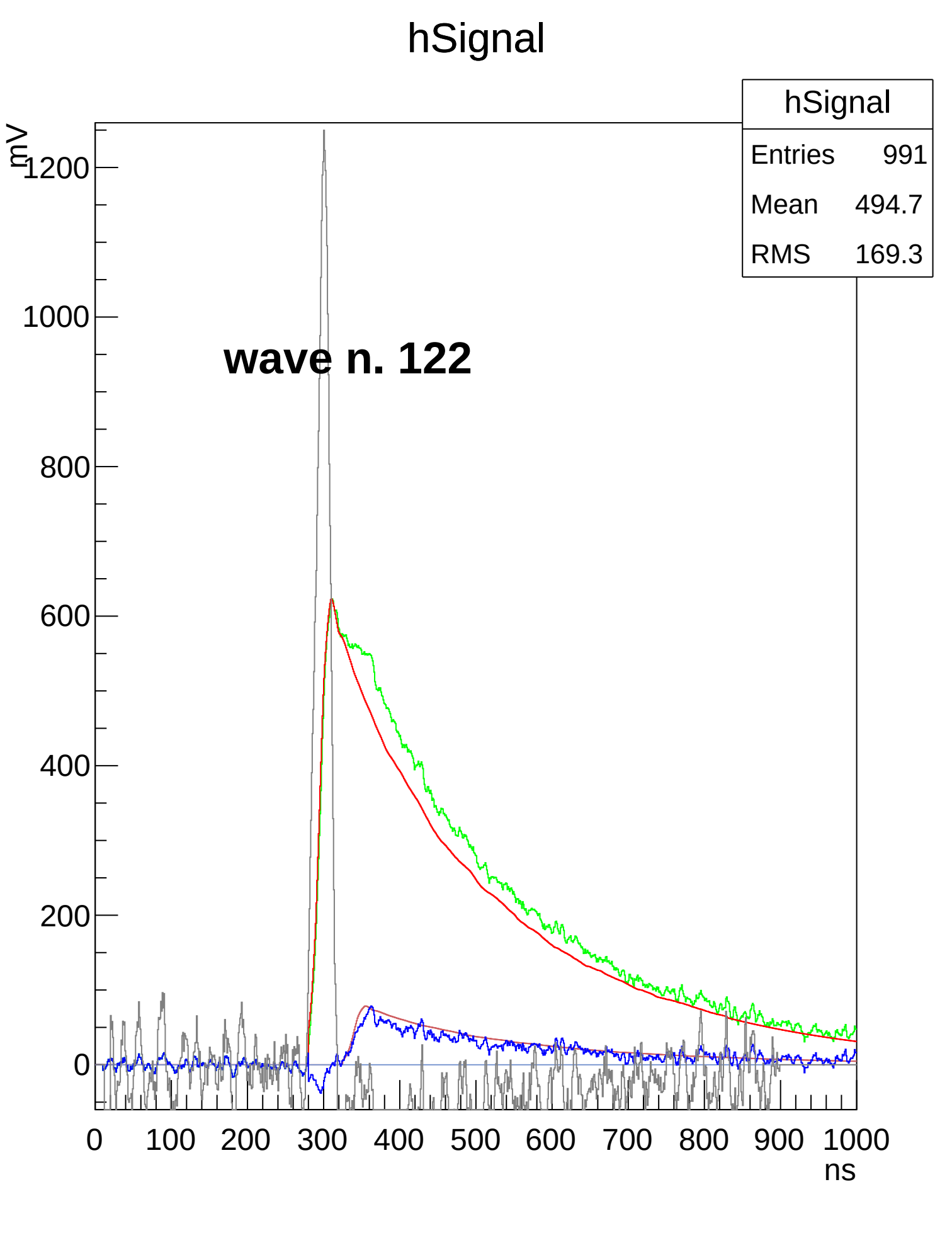

hSignal
hSignal
Entries 991
Mean 513
RMS 169.3
wave n. 117
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

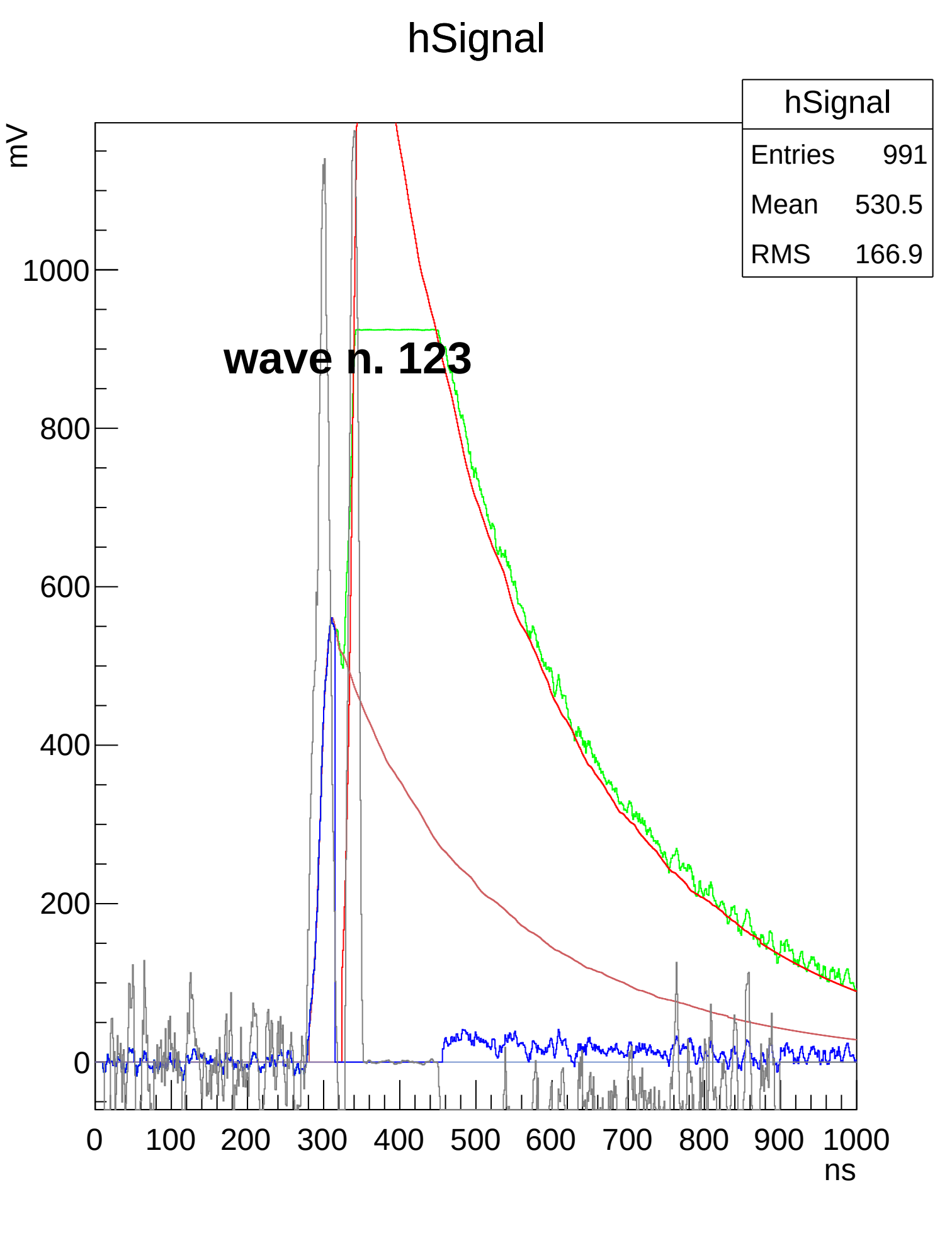

hSignal
hSignal
Entries 991
Mean 471.5
RMS 194
wave n. 118
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

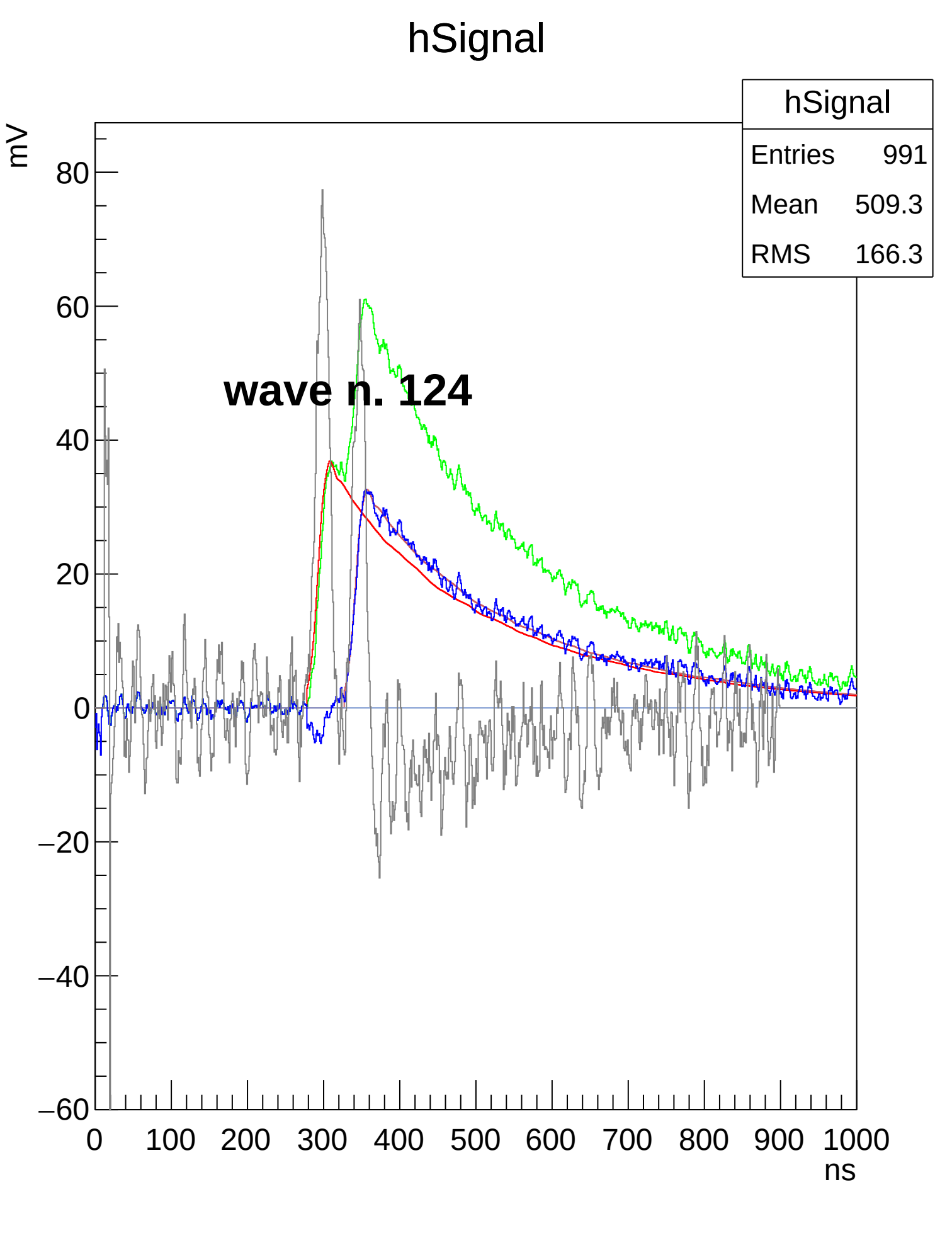

hSignal
hSignal
Entries 991
Mean 514.2
RMS 196
wave n. 119
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

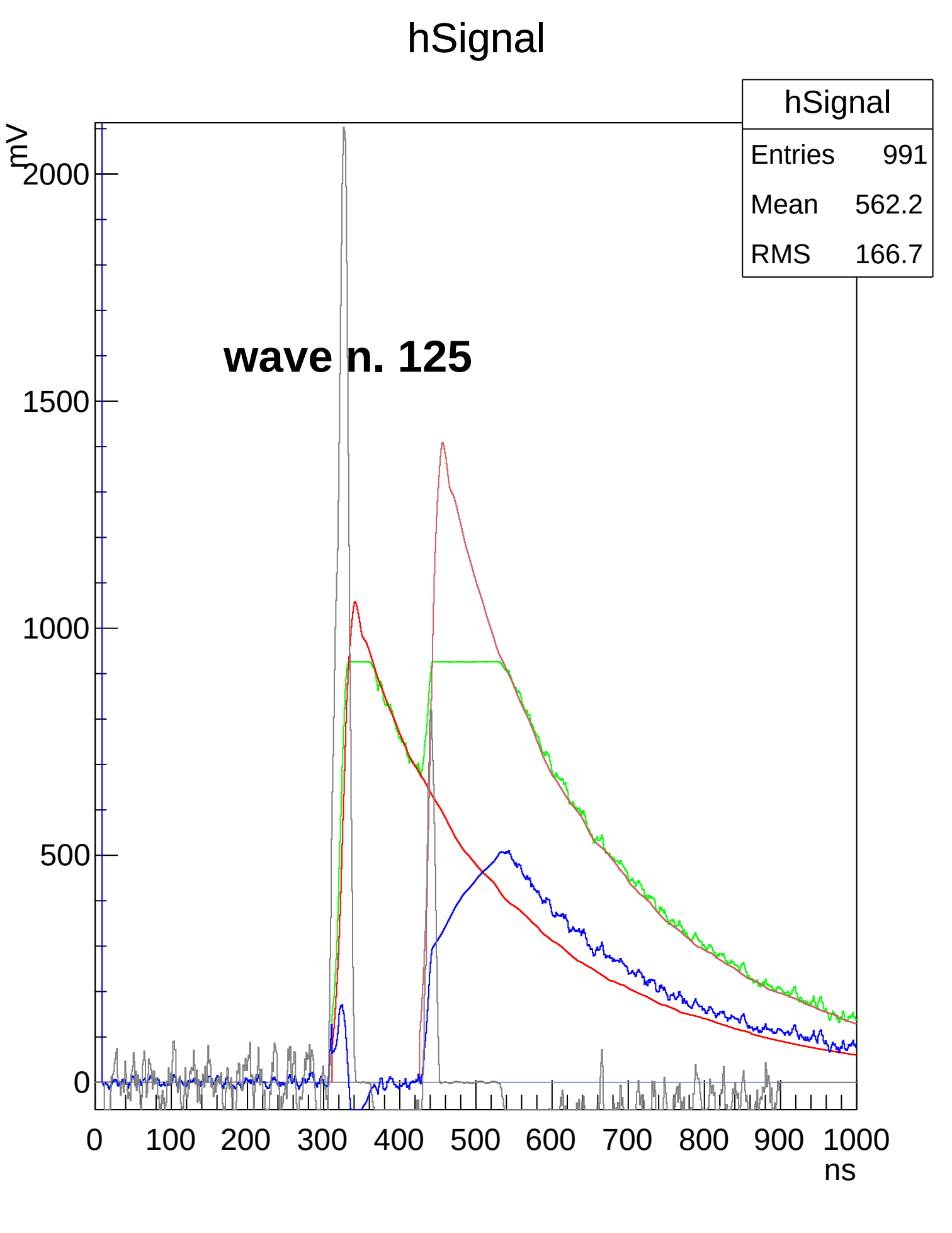

hSignal
hSignal
Entries 991
Mean 498
RMS 193.1
wave n. 120
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

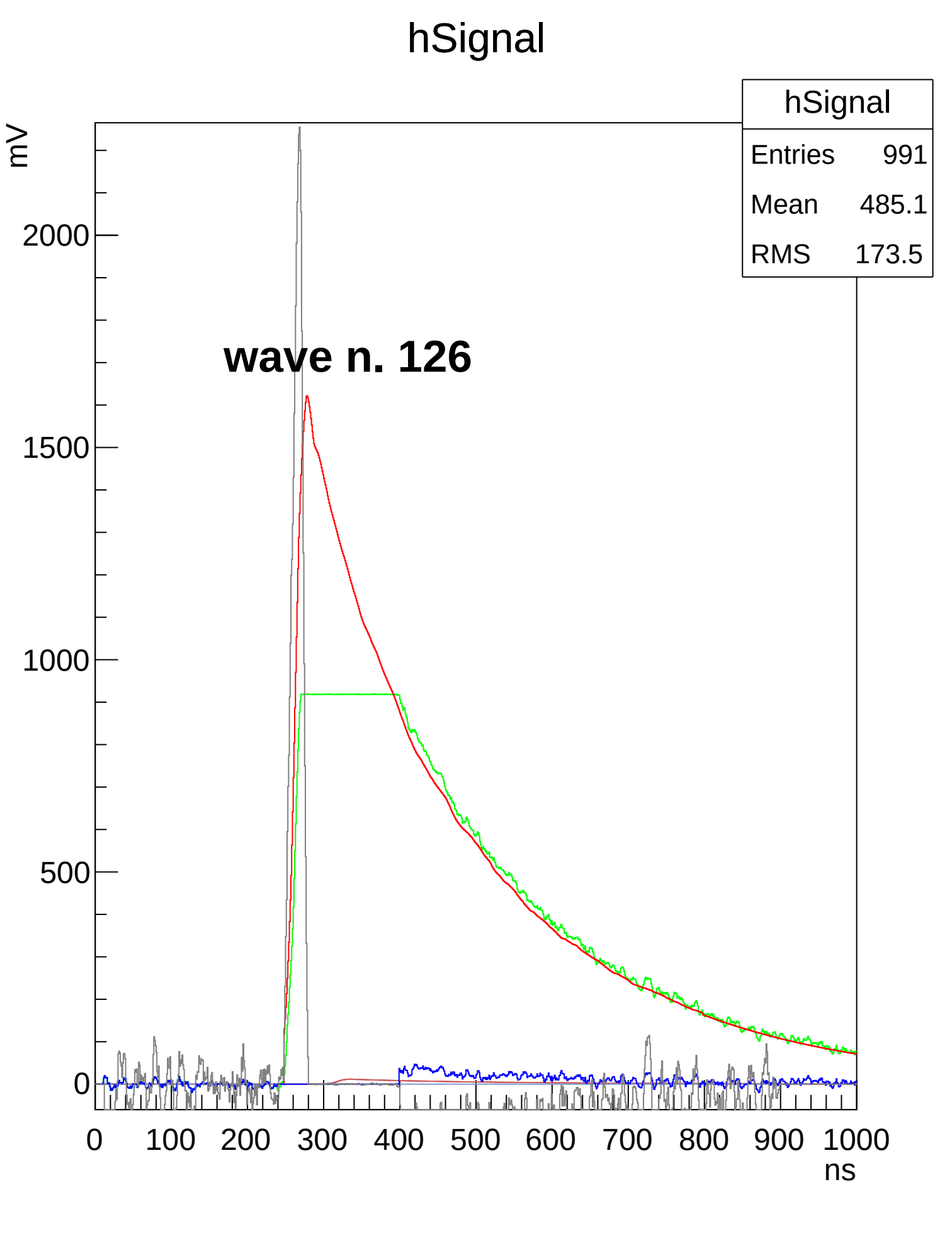

hSignal
hSignal
Entries 991
Mean 522
RMS 164.3
wave n. 121
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

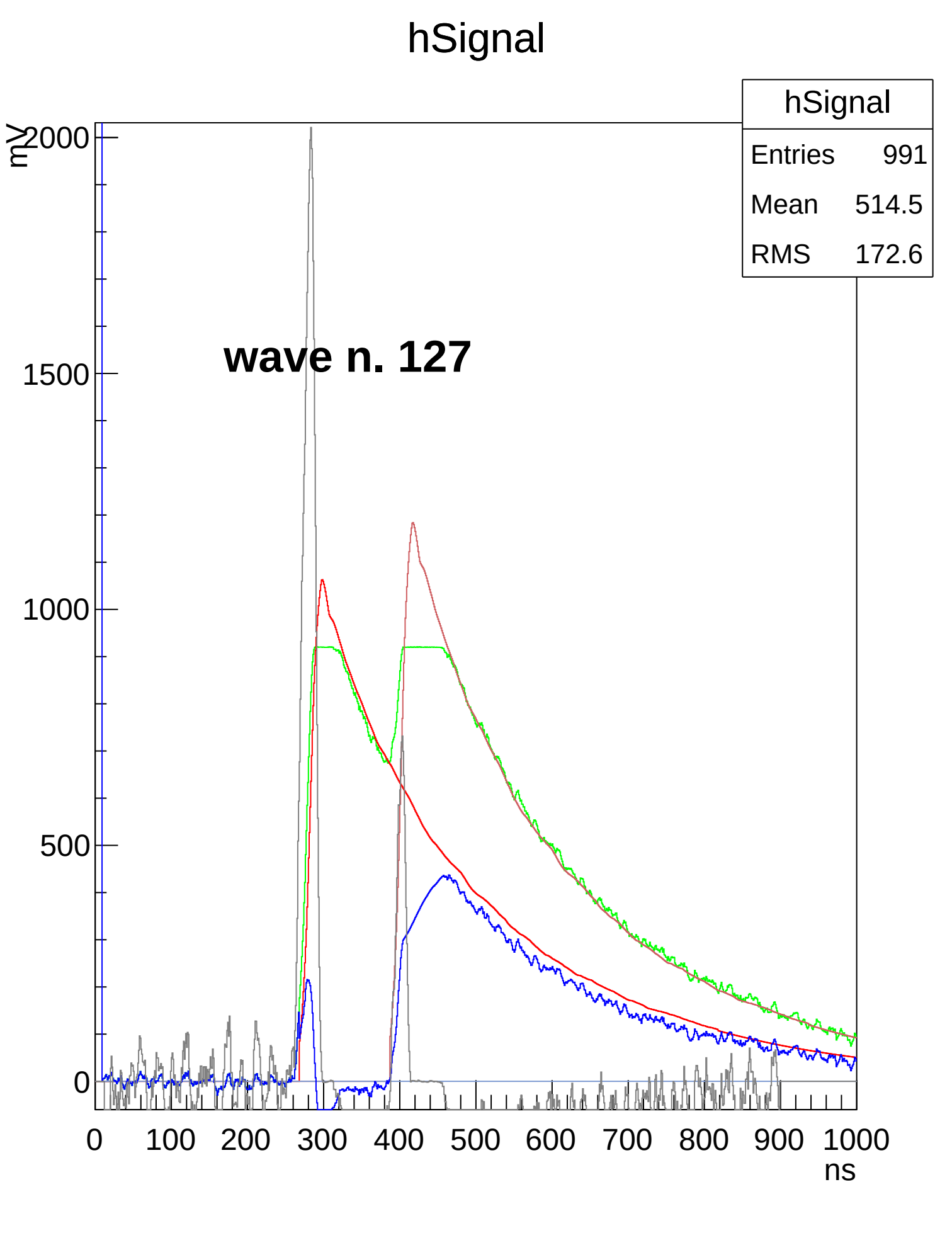

hSignal
hSignal
Entries 991
Mean 494.7
RMS 169.3
wave n. 122
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

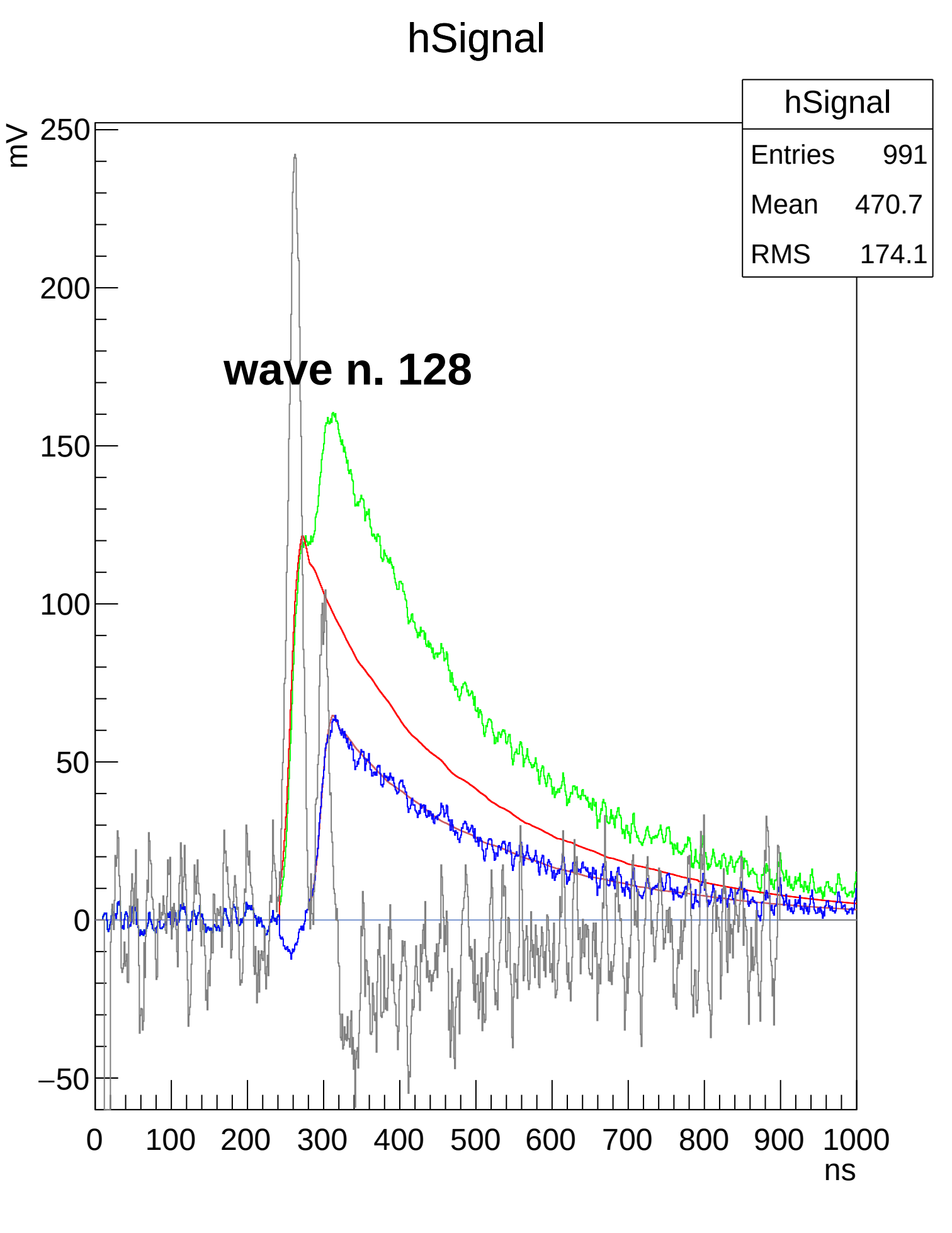

hSignal
hSignal
Entries 991
Mean 530.5
RMS 166.9
wave n. 123
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

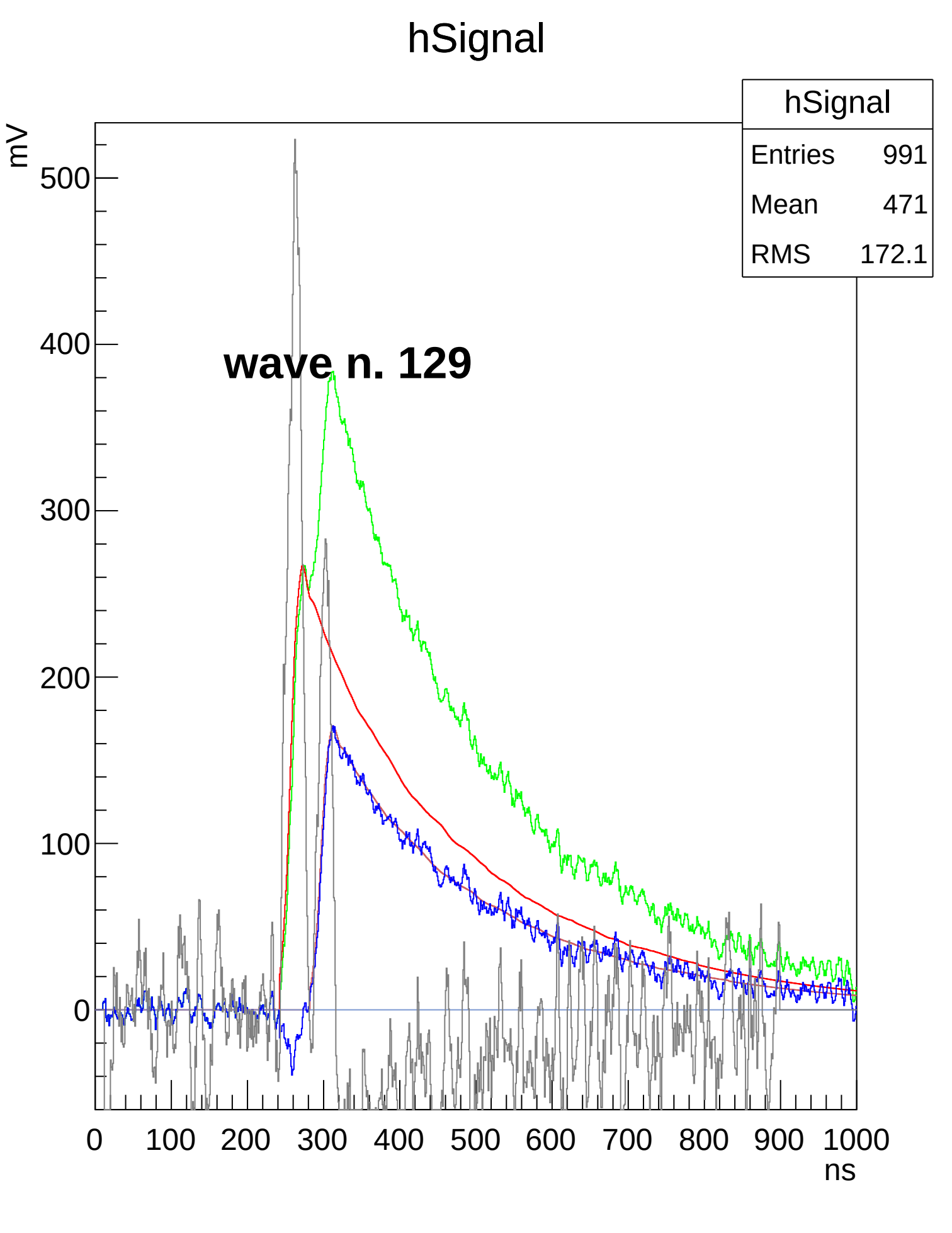

hSignal
hSignal
Entries 991
Mean 509.3
RMS 166.3
wave n. 124
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

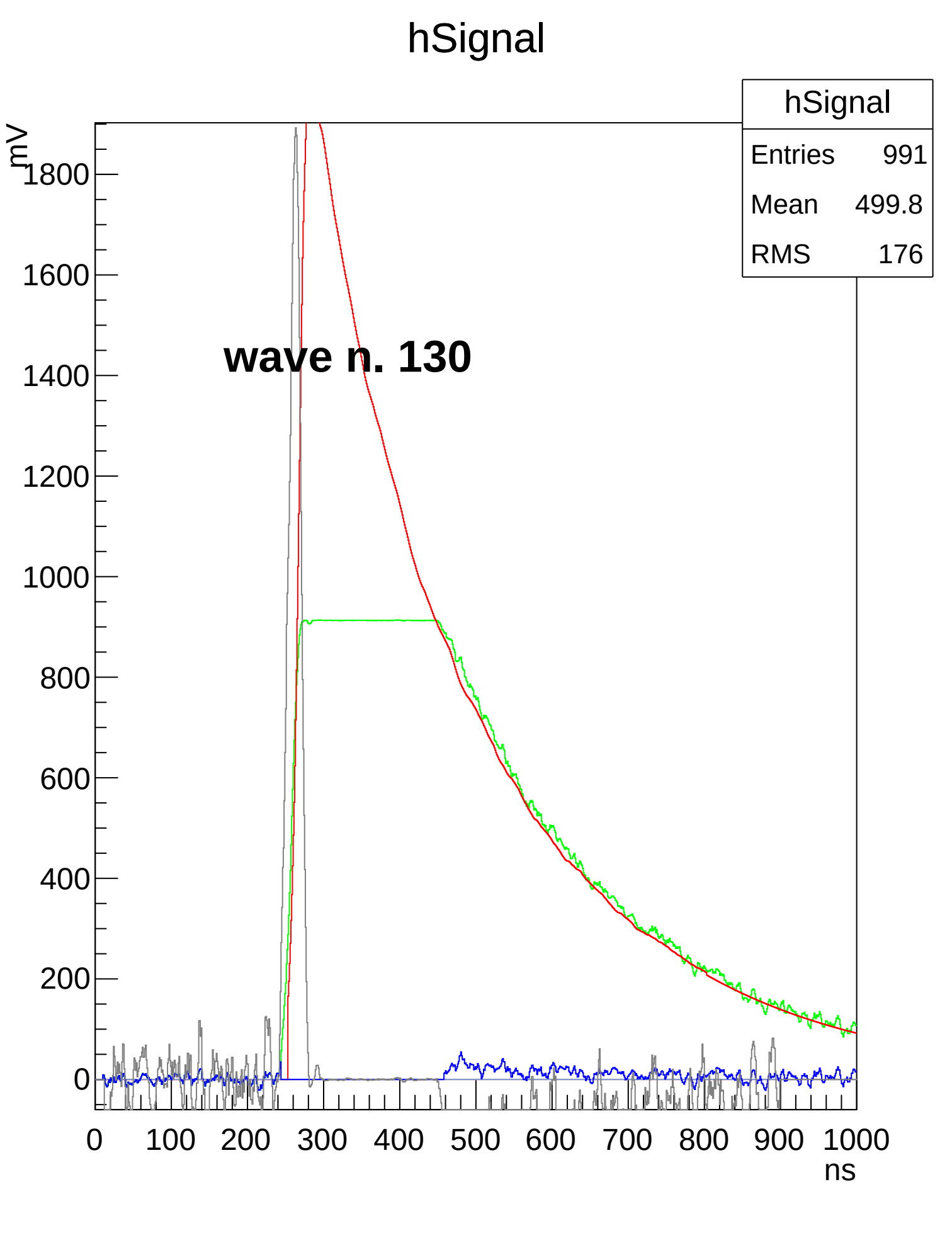

hSignal
hSignal
Entries 991
Mean 562.2
RMS 166.7
wave n. 125
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

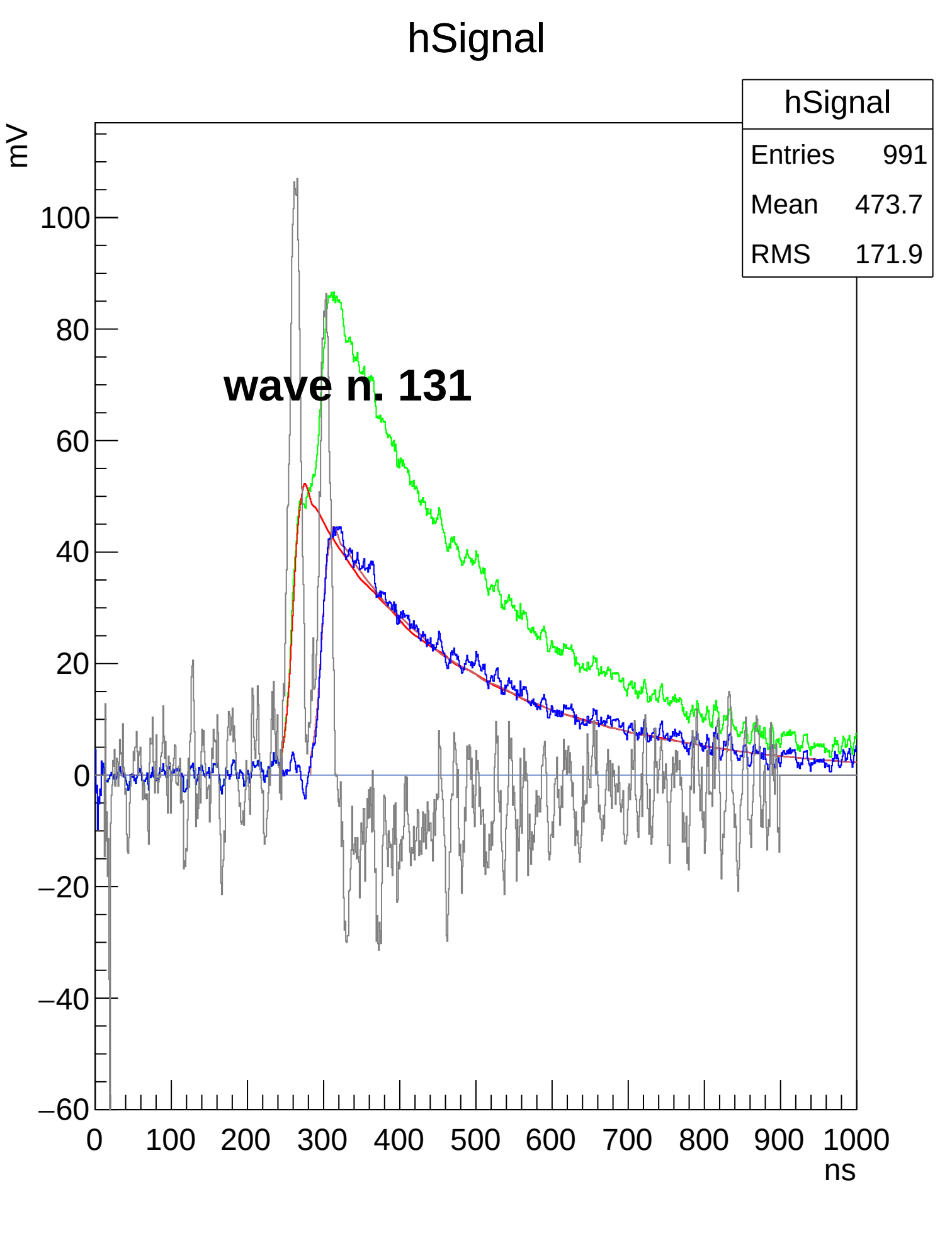

hSignal
hSignal
Entries 991
Mean 485.1
RMS 173.5
wave n. 126
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

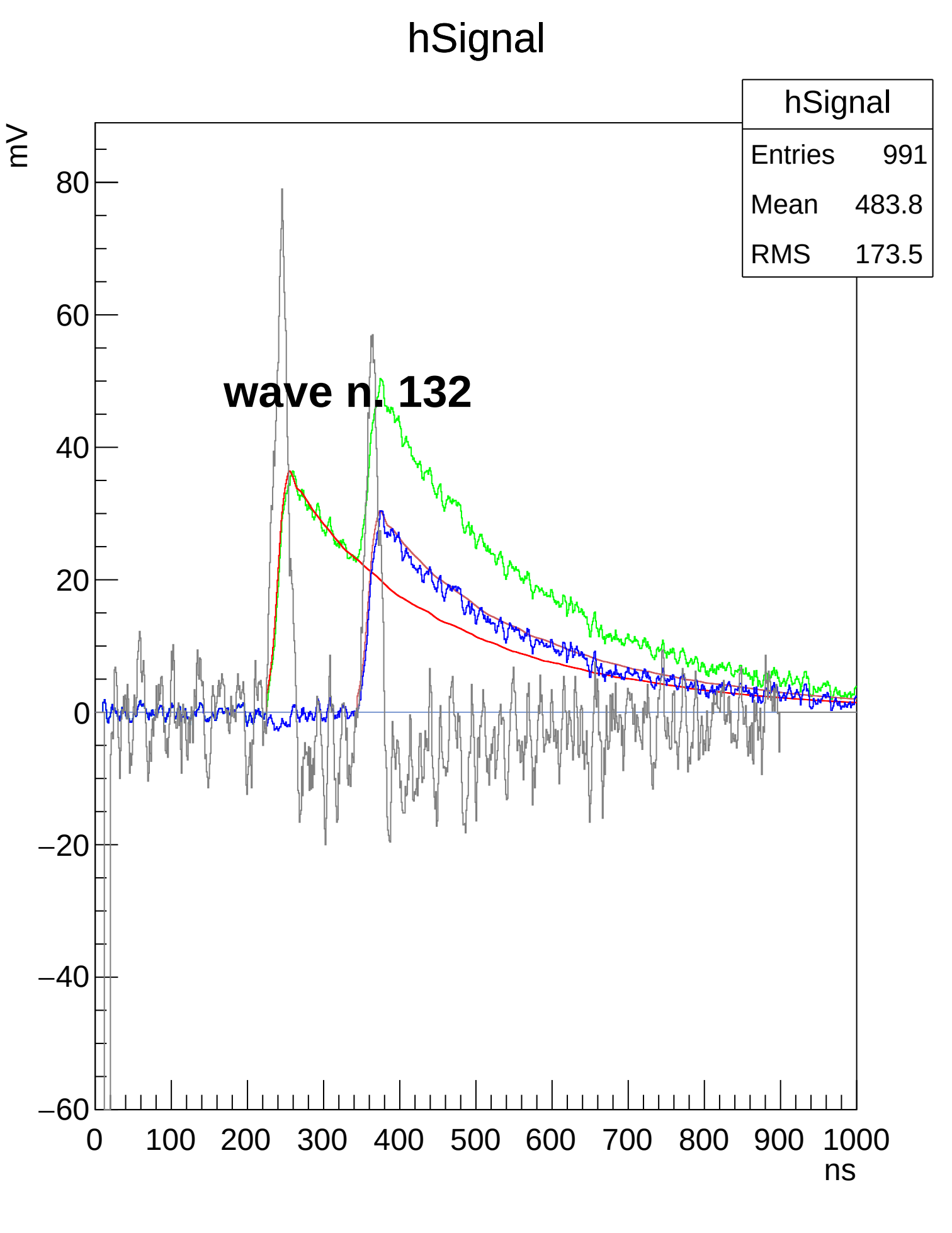

hSignal
hSignal
Entries 991
Mean 514.5
RMS 172.6
wave n. 127
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

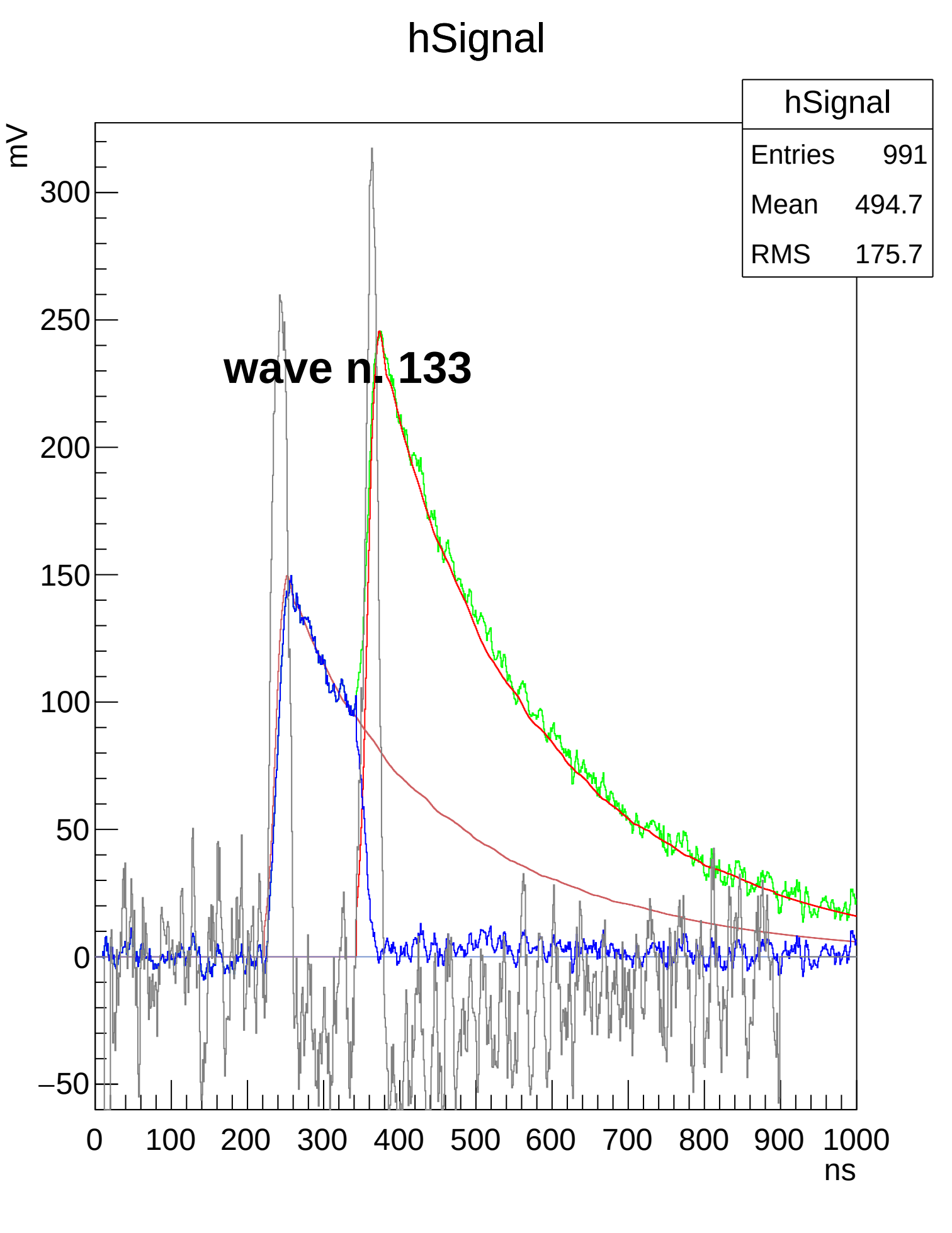

hSignal
hSignal
Entries 991
Mean 470.7
RMS 174.1
wave n. 128
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

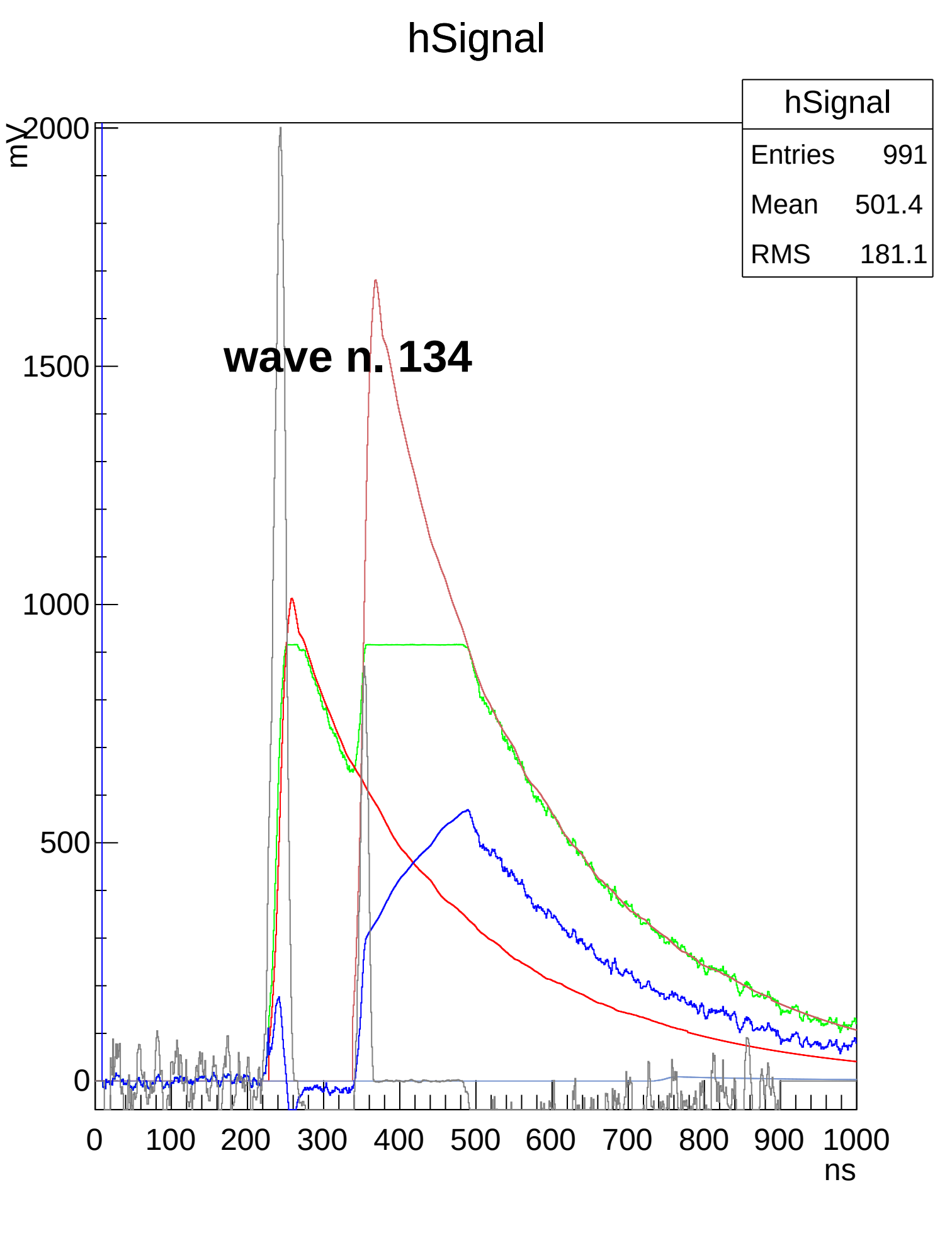

hSignal
hSignal
Entries 991
Mean 471
RMS 172.1
wave n. 129
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

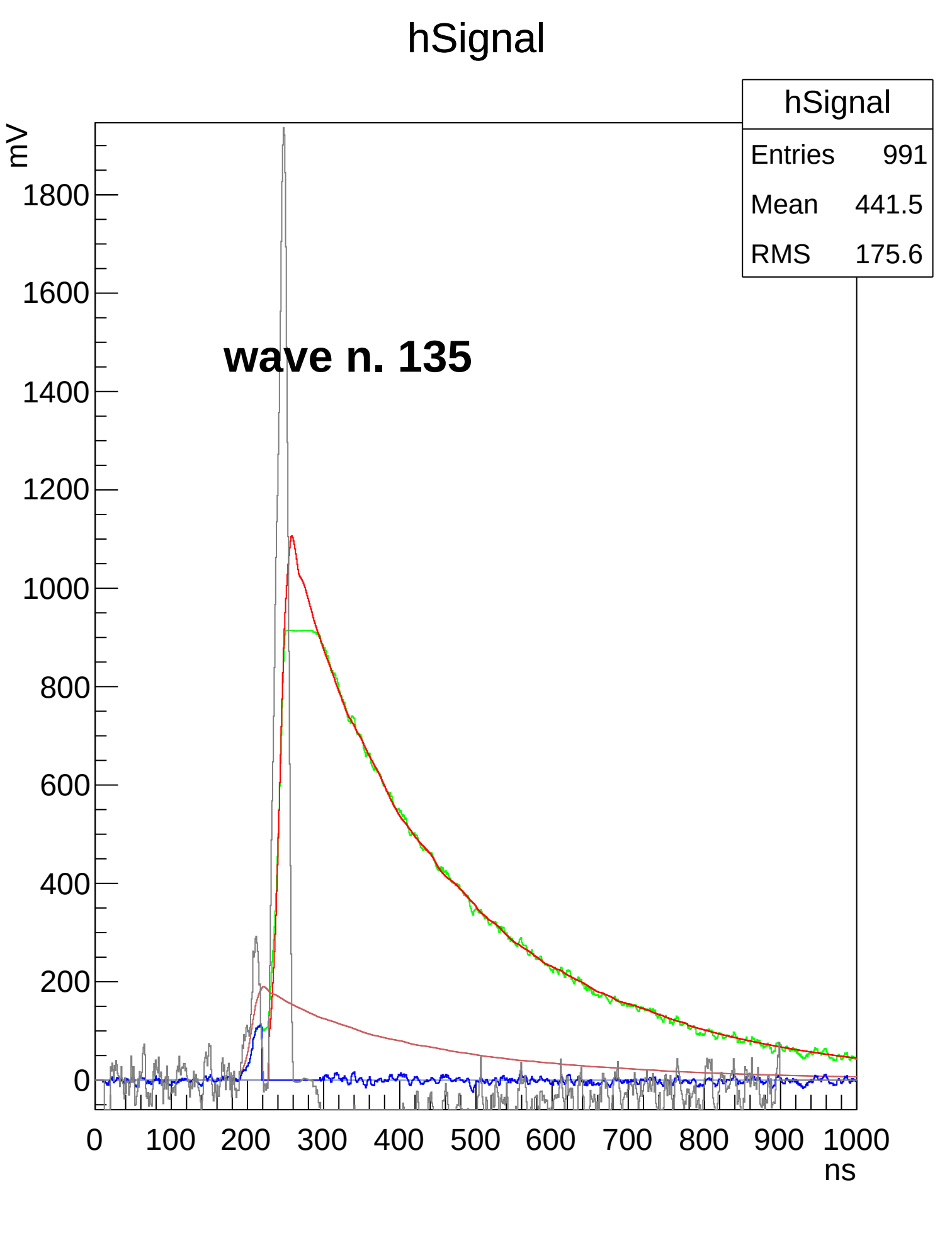

hSignal
hSignal
Entries 991
Mean 499.8
RMS 176
wave n. 130
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

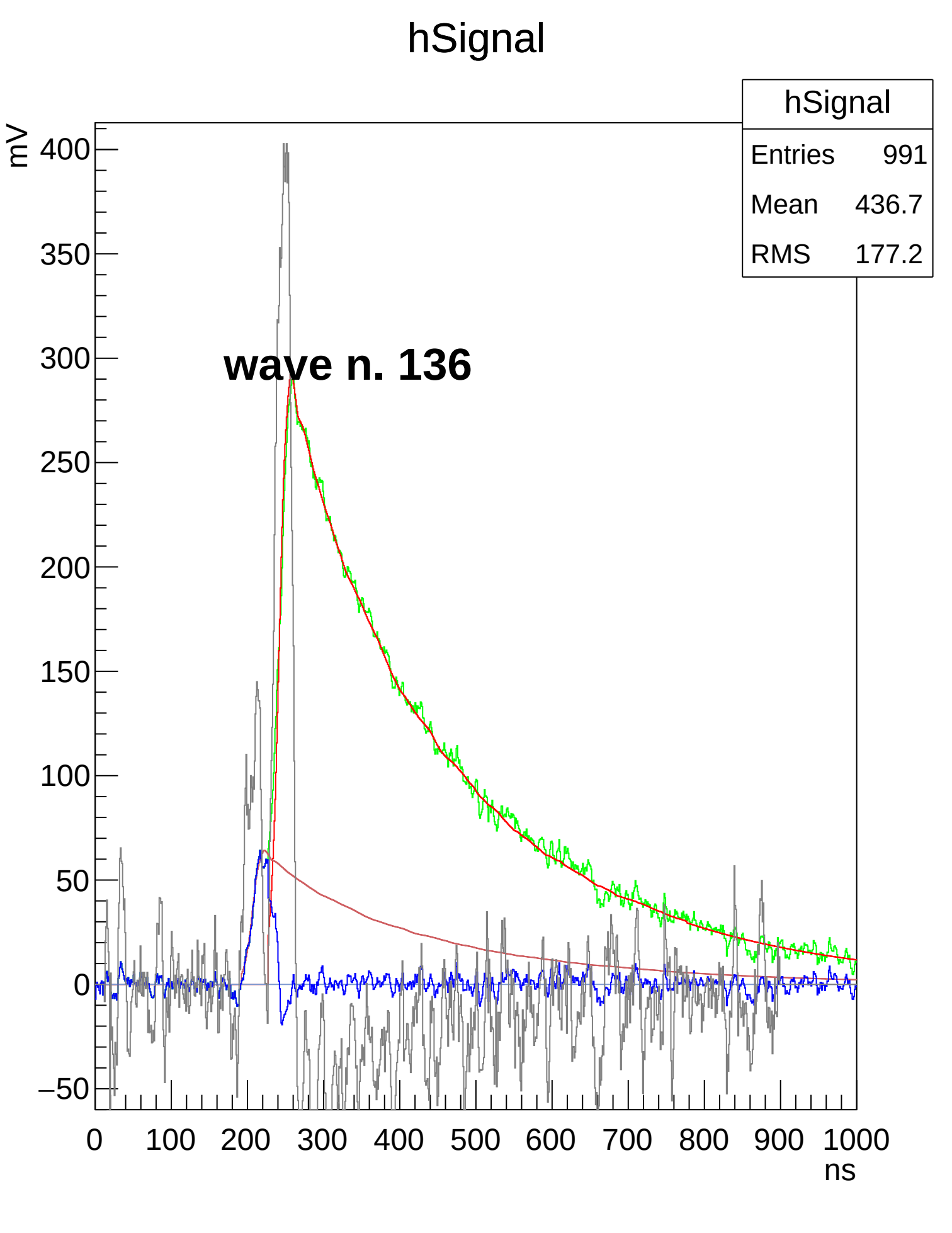

hSignal
hSignal
Entries 991
Mean 473.7
RMS 171.9
wave n. 131
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

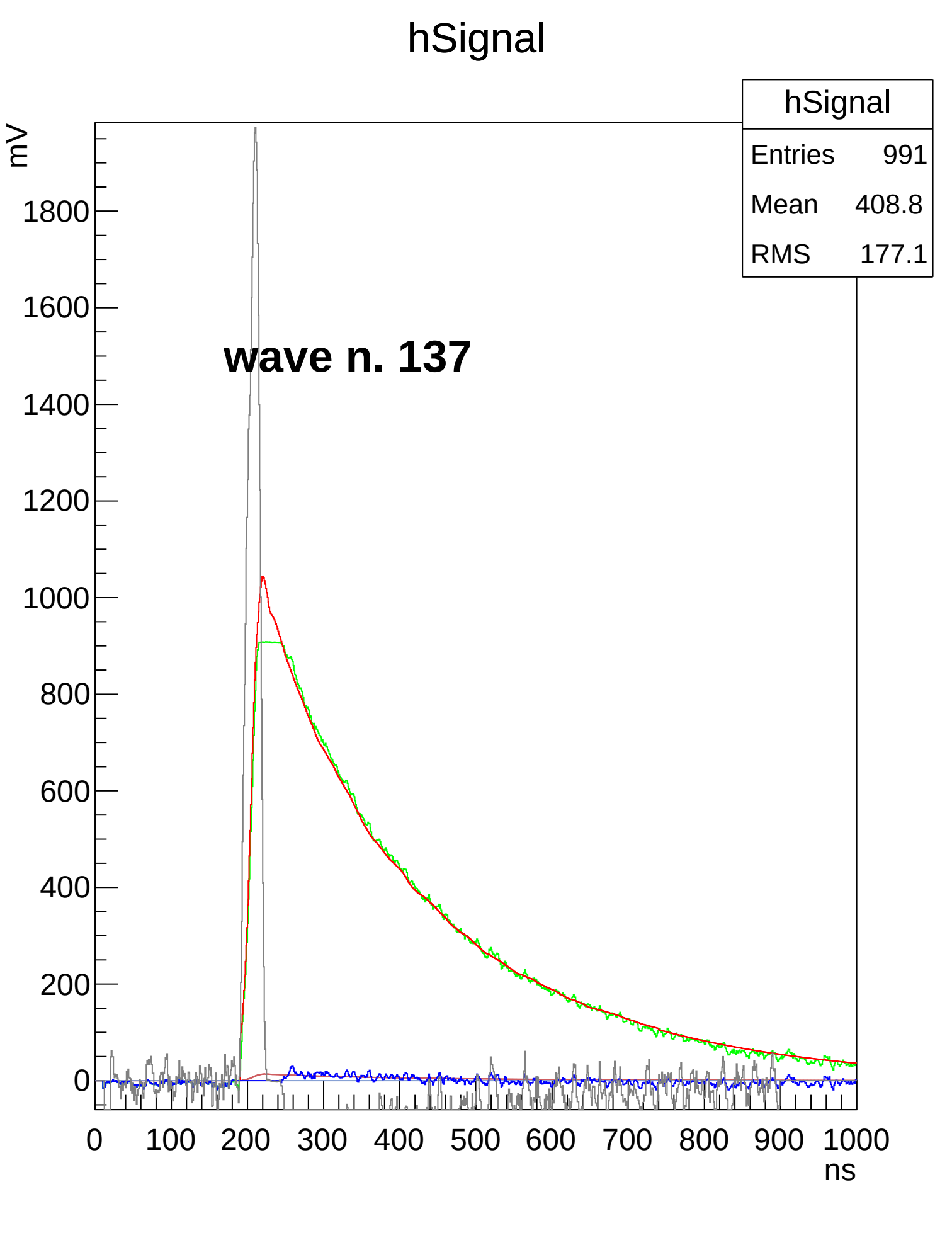

hSignal
hSignal
Entries 991
Mean 483.8
RMS 173.5
wave n. 132
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

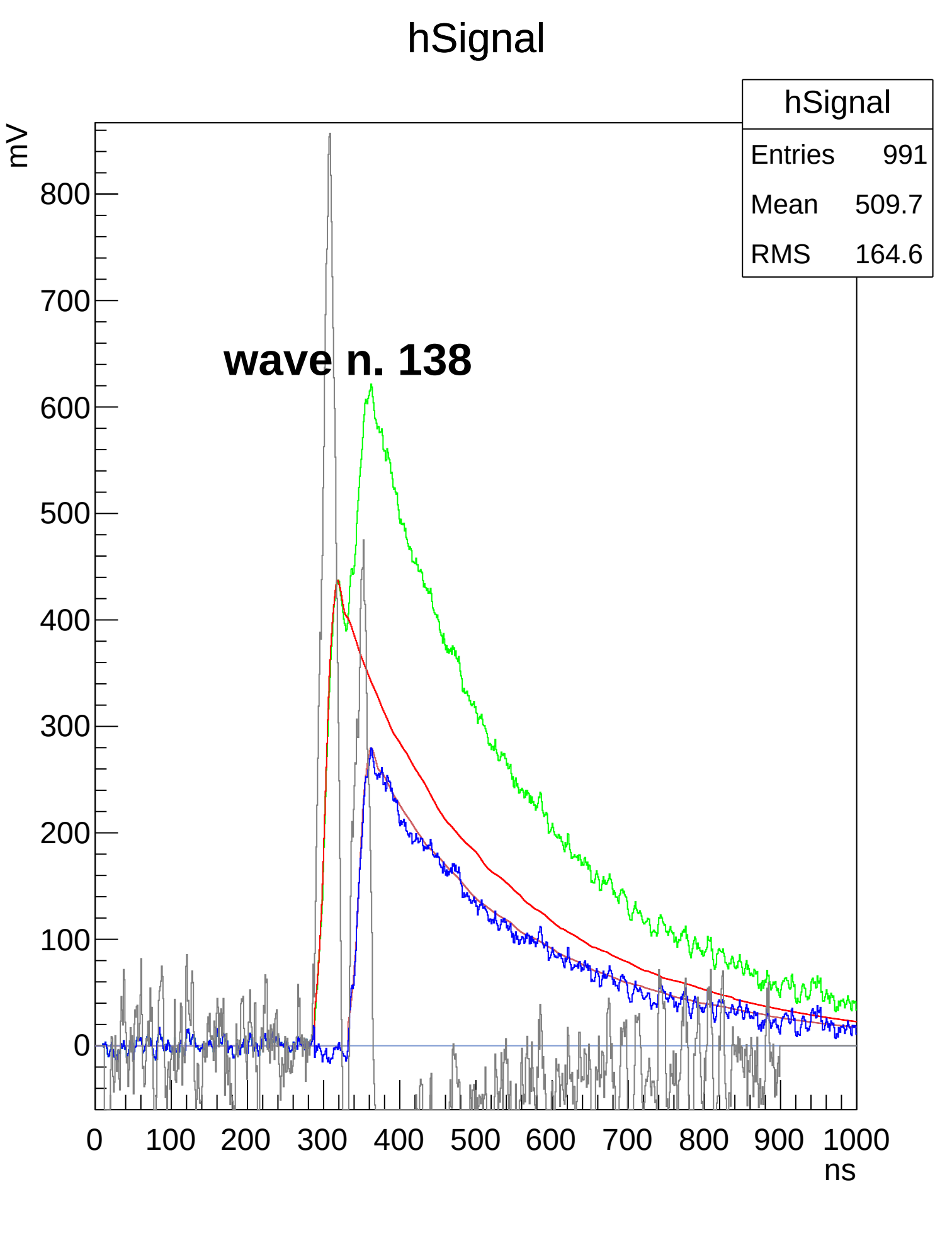

hSignal
hSignal
Entries 991
Mean 494.7
RMS 175.7
wave n. 133
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

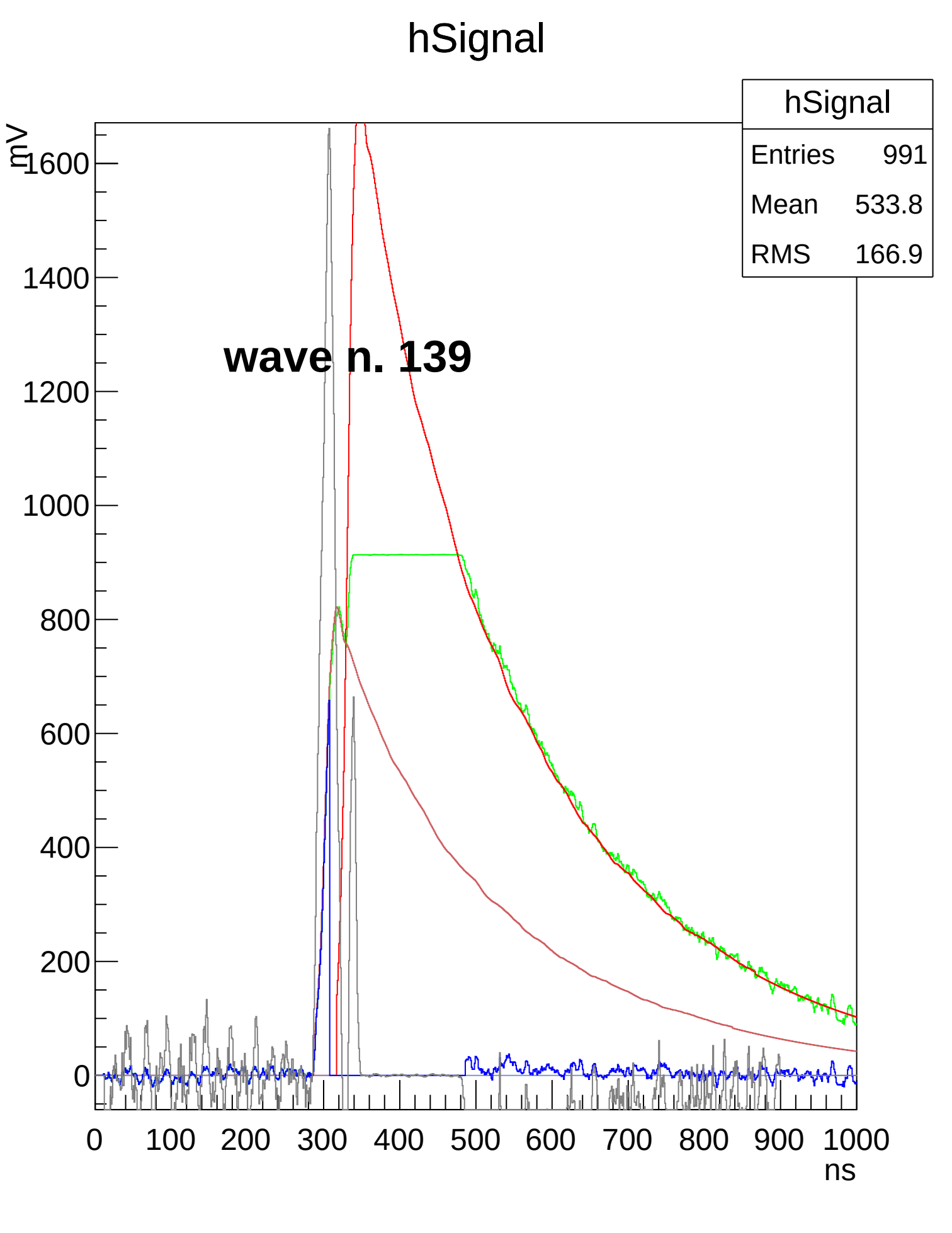

hSignal
hSignal
Entries 991
Mean 501.4
RMS 181.1
wave n. 134
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

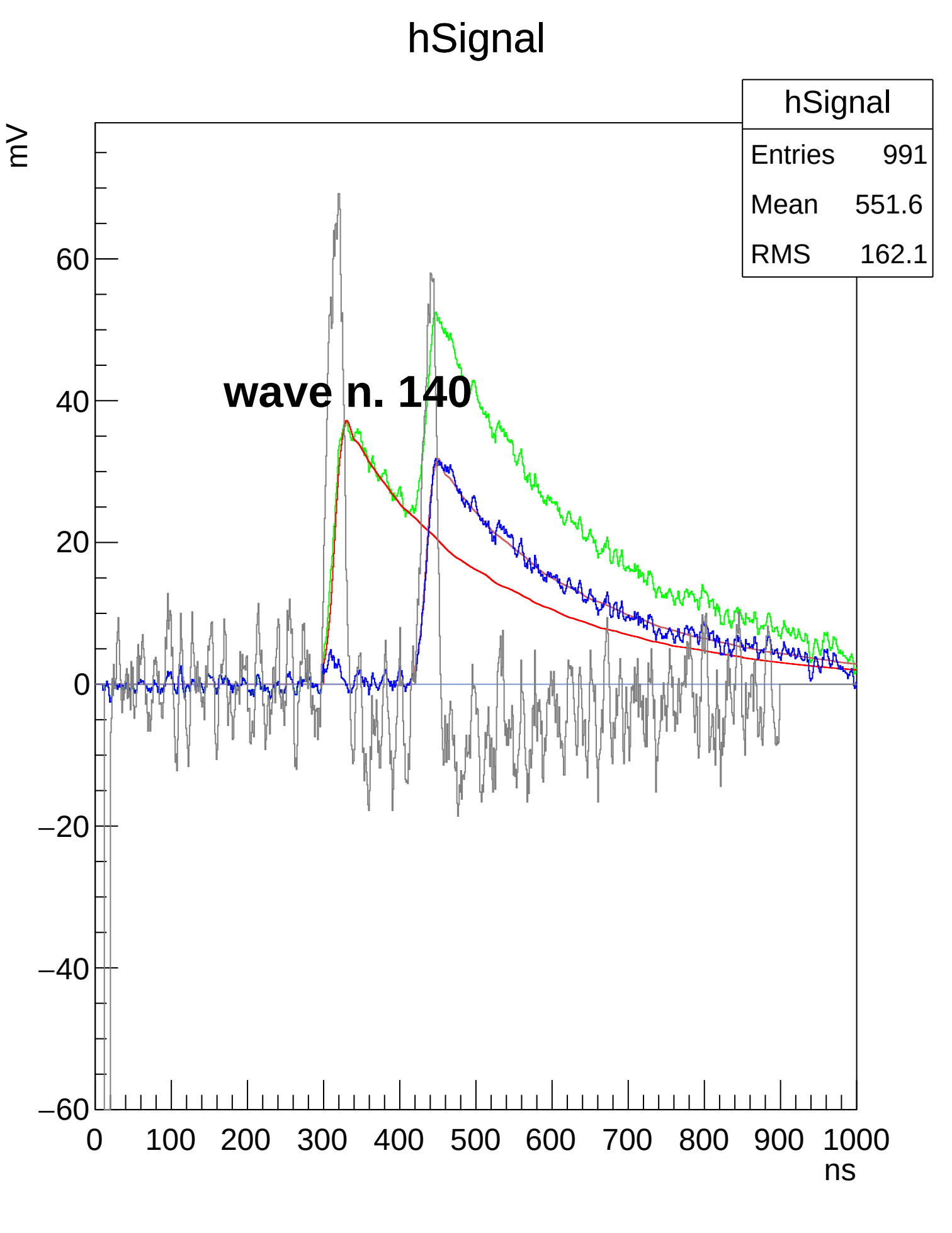

hSignal
hSignal
Entries 991
Mean 441.5
RMS 175.6
wave n. 135
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

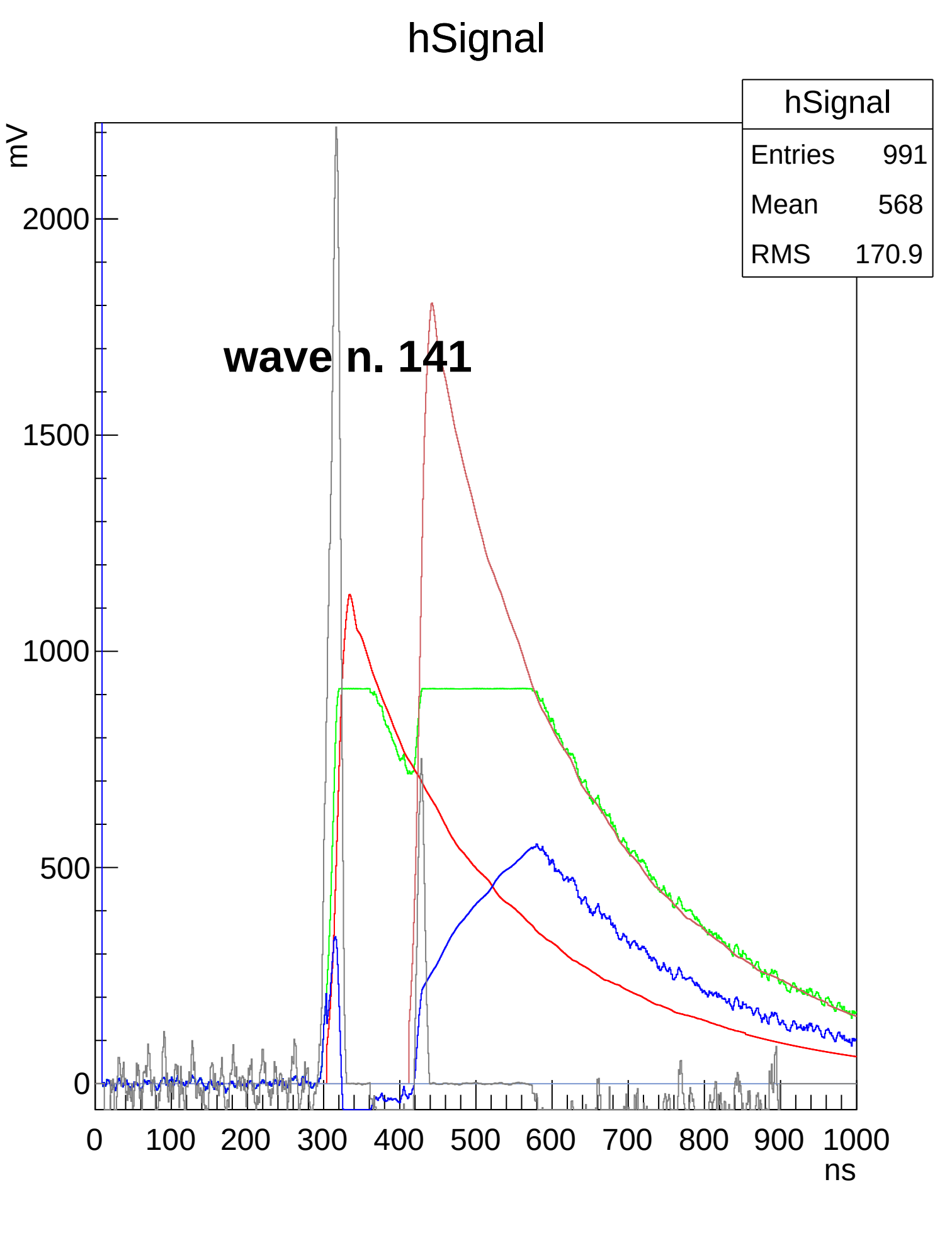

hSignal
hSignal
Entries 991
Mean 436.7
RMS 177.2
wave n. 136
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

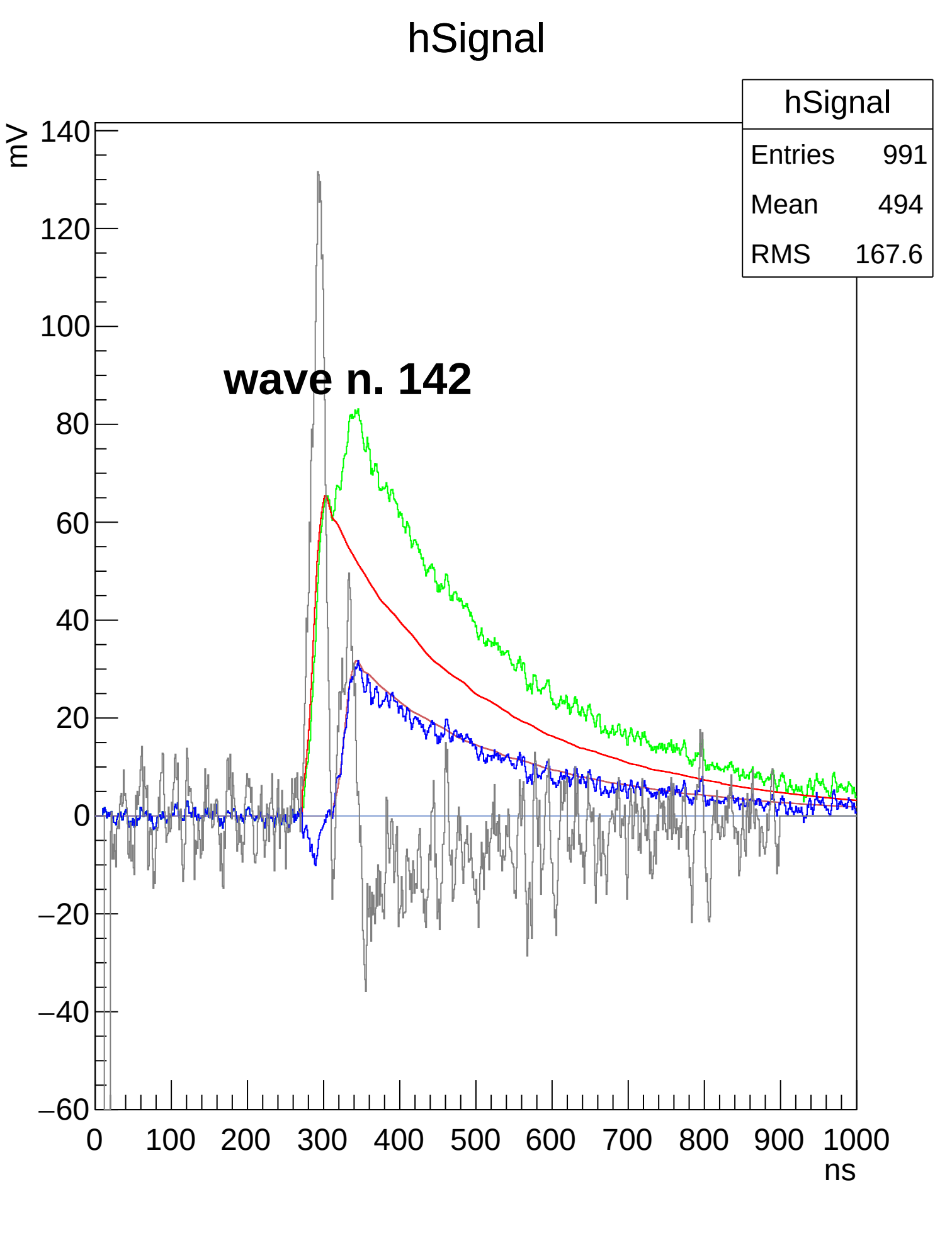

hSignal
hSignal
Entries 991
Mean 408.8
RMS 177.1
wave n. 137
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

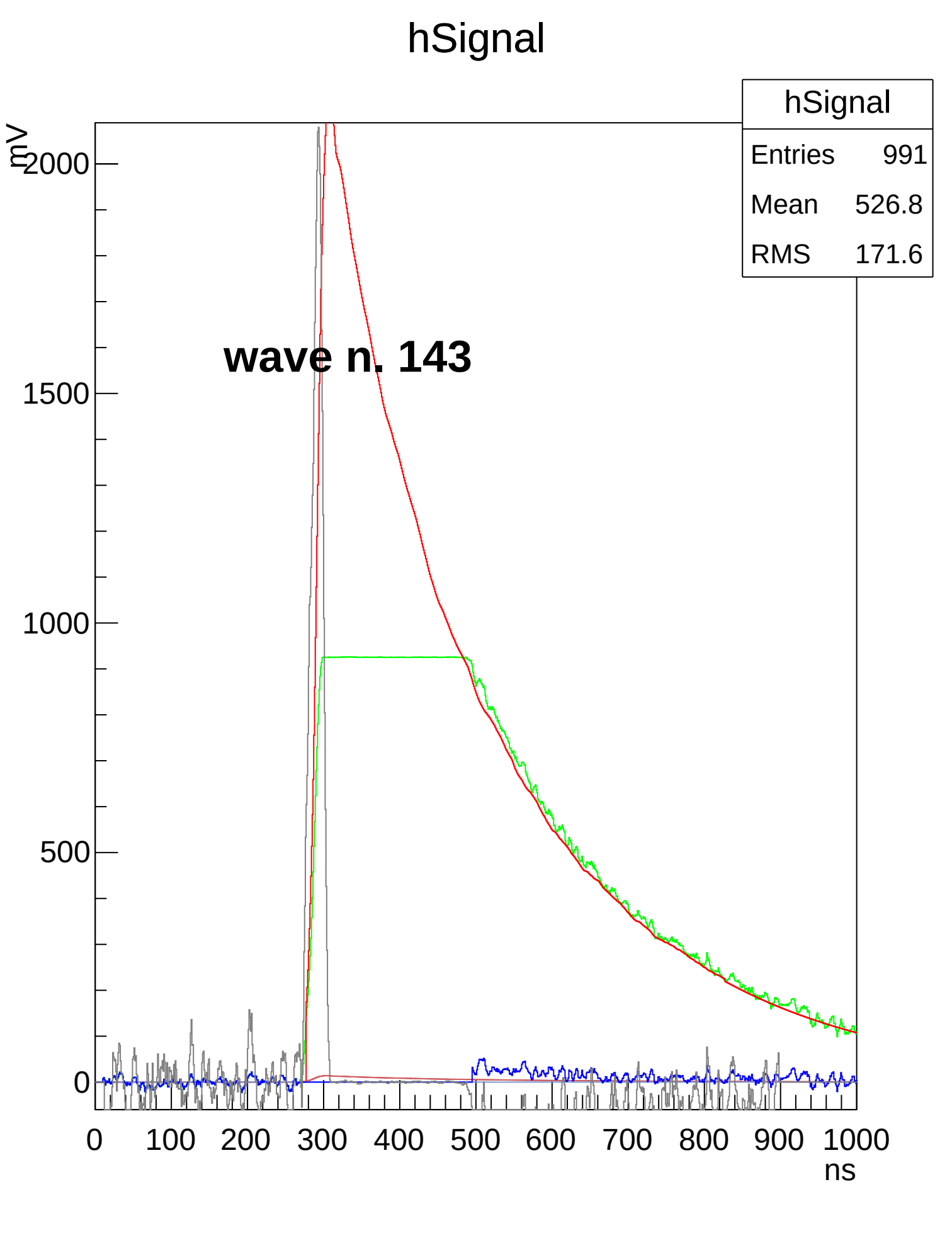

hSignal
hSignal
Entries 991
Mean 509.7
RMS 164.6
wave n. 138
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

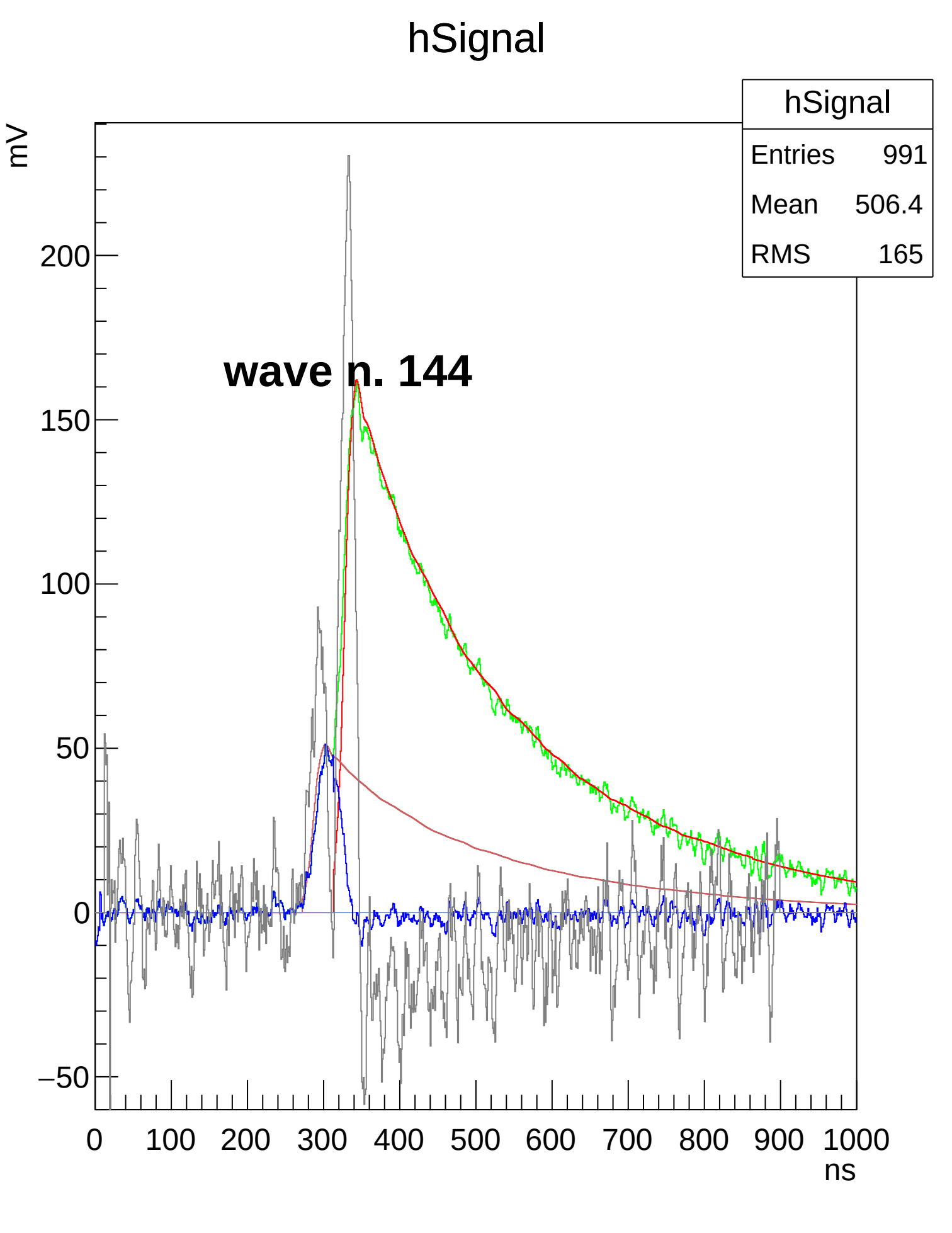

hSignal
hSignal
Entries 991
Mean 533.8
RMS 166.9
wave n. 139
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

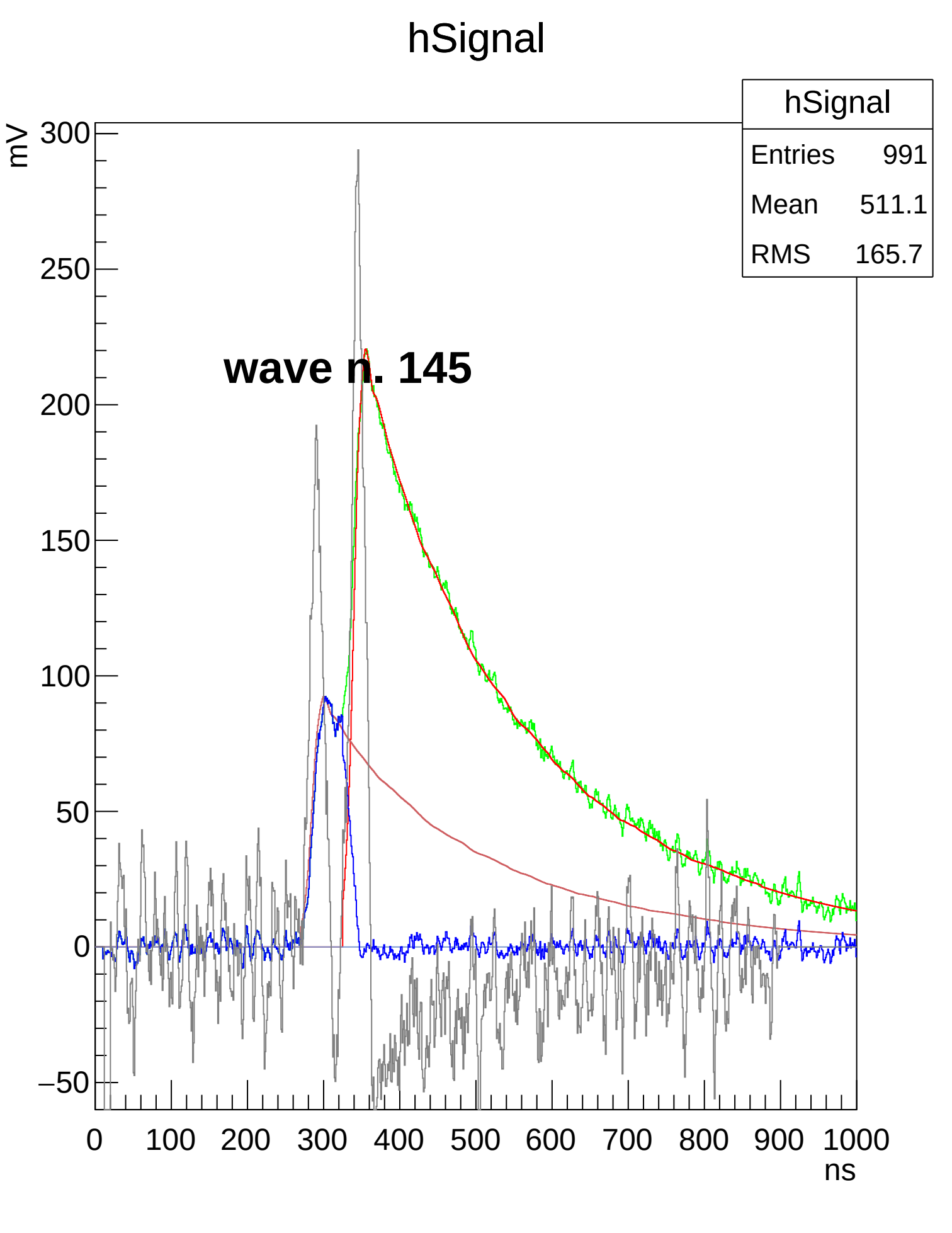

hSignal
hSignal
Entries 991
Mean 551.6
RMS 162.1
wave n. 140
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

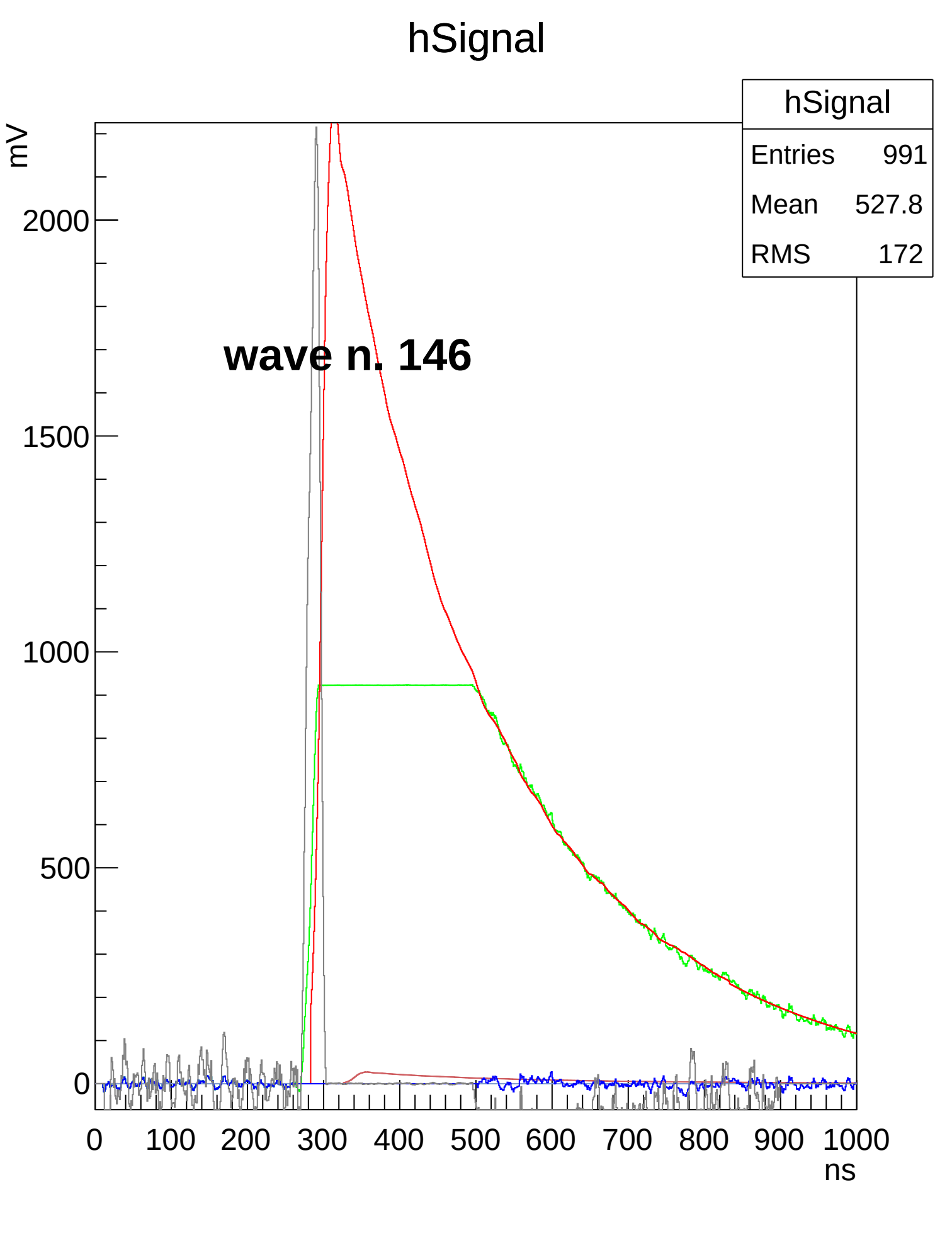

hSignal
hSignal
Entries 991
Mean 568
RMS 170.9
wave n. 141
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

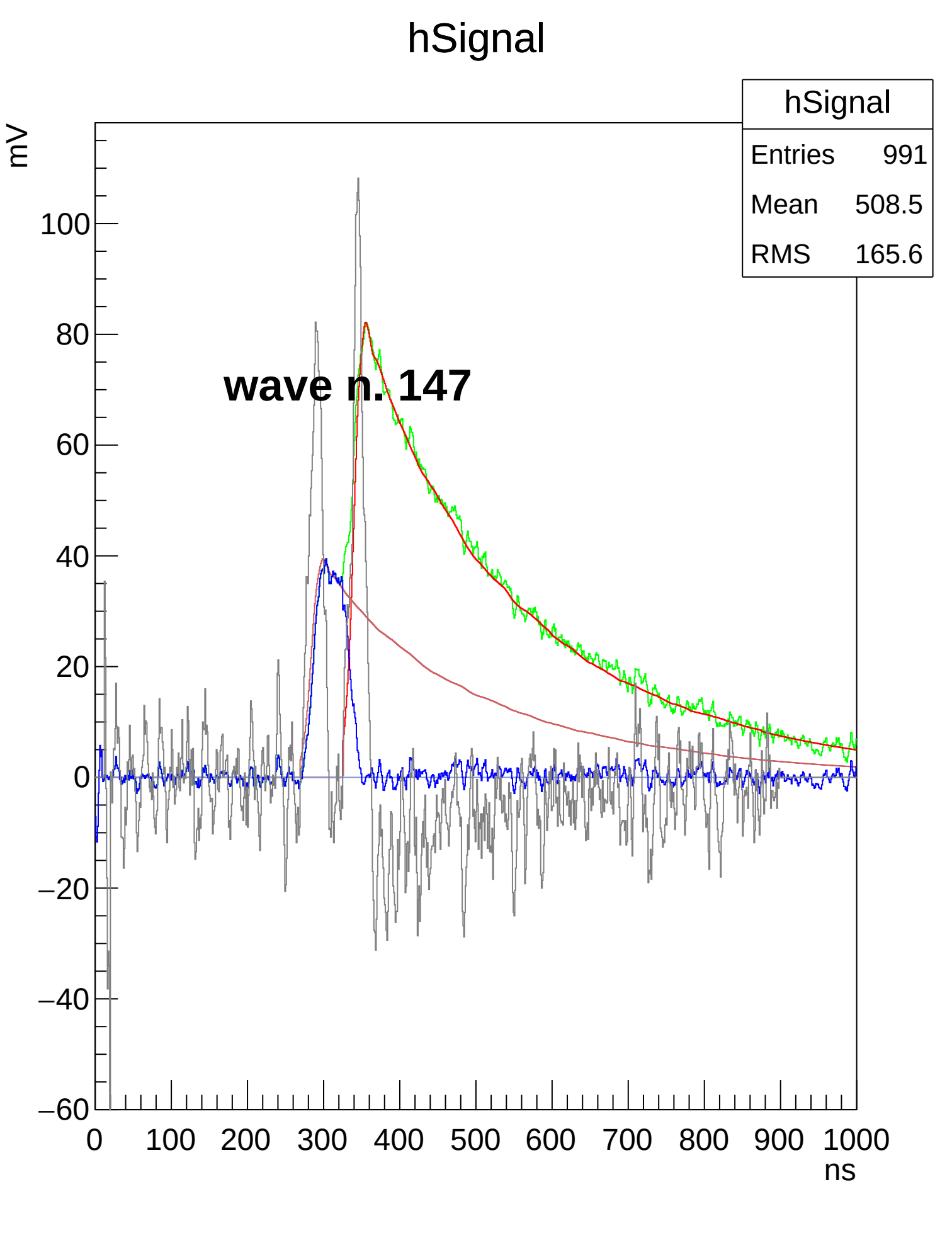

hSignal
hSignal
Entries 991
Mean 494
RMS 167.6
wave n. 142
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

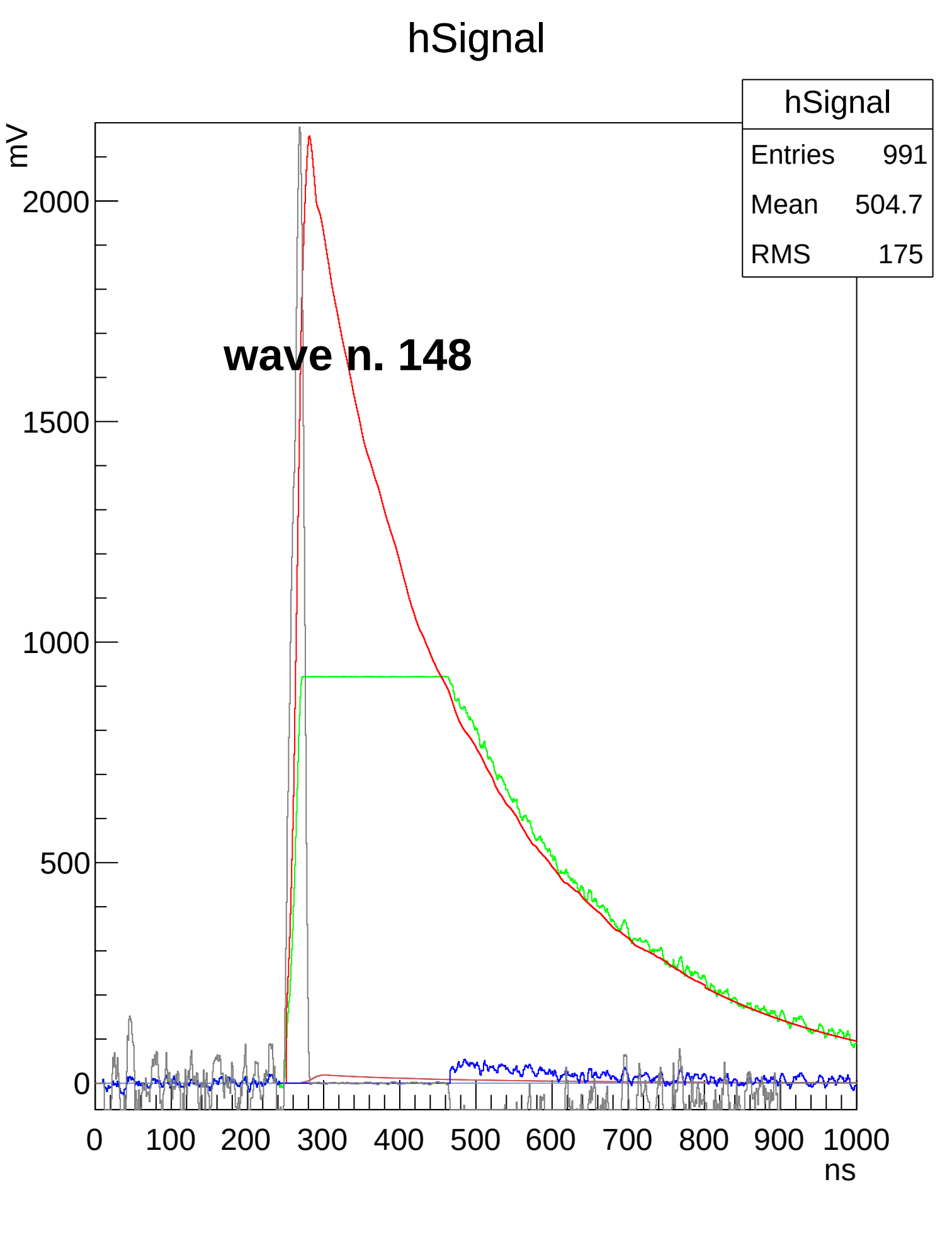

hSignal
hSignal
Entries 991
Mean 526.8
RMS 171.6
wave n. 143
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

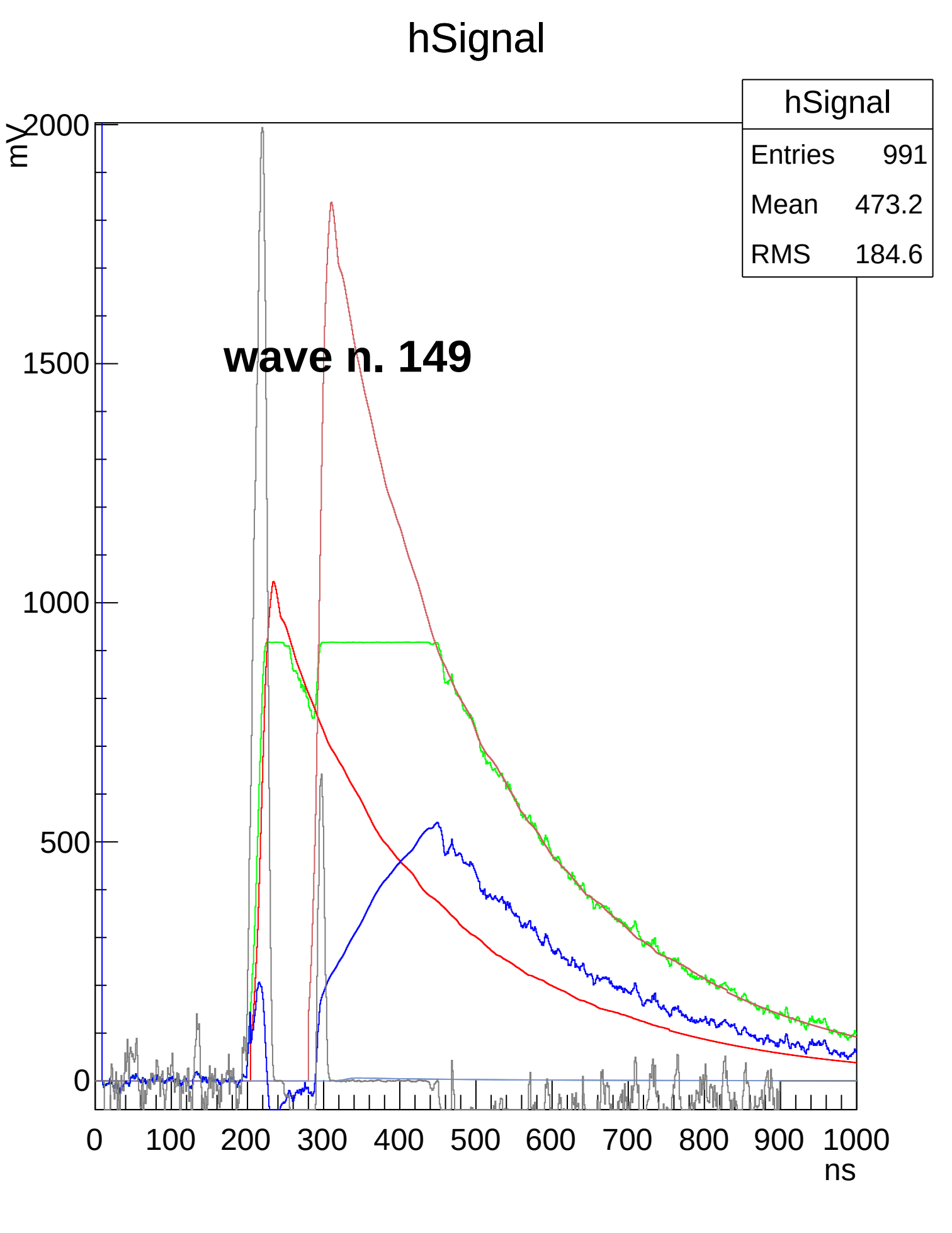

hSignal
hSignal
Entries 991
Mean 506.4
RMS 165
wave n. 144
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

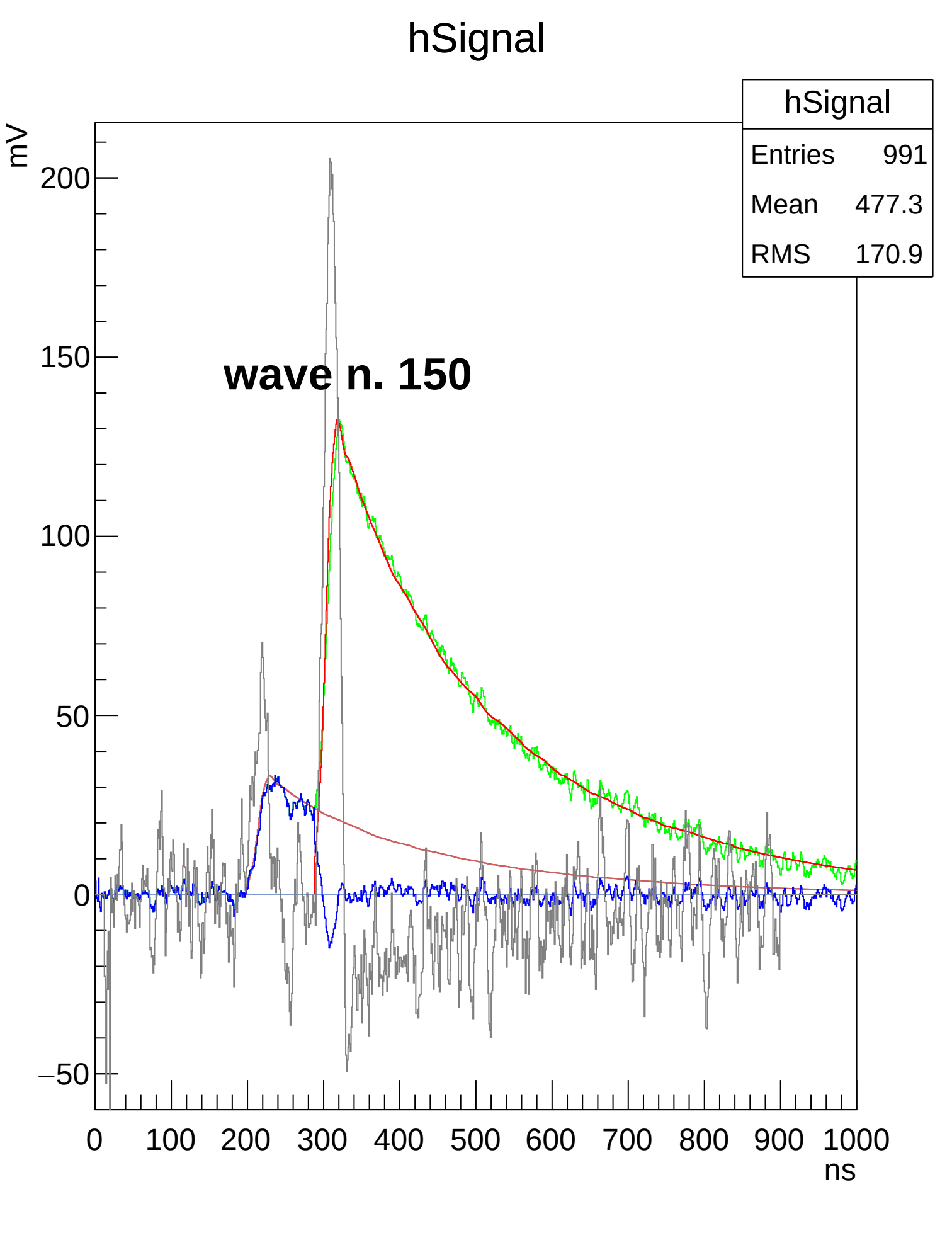

hSignal
hSignal
Entries 991
Mean 511.1
RMS 165.7
wave n. 145
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

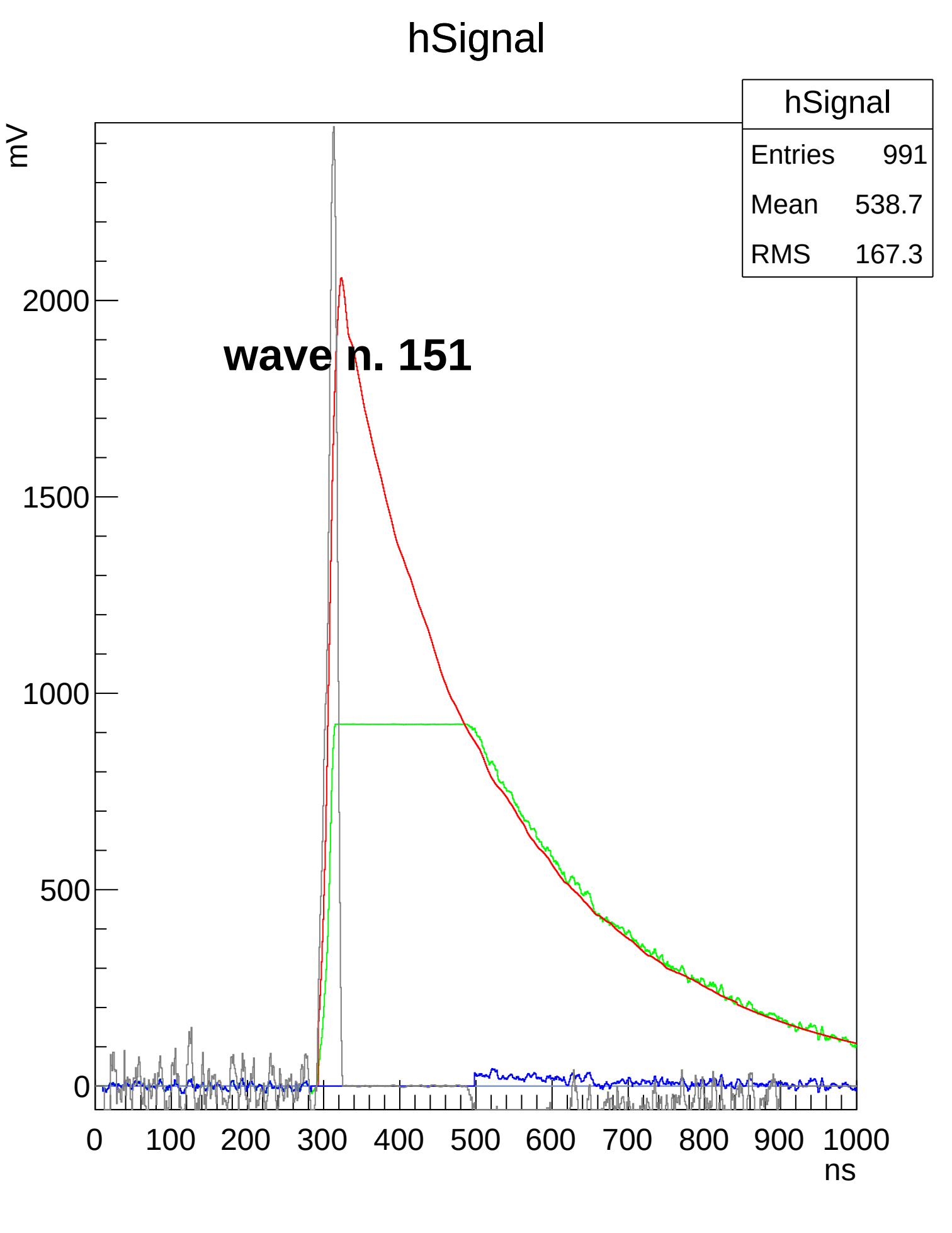

hSignal
hSignal
Entries 991
Mean 527.8
RMS 172
wave n. 146
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

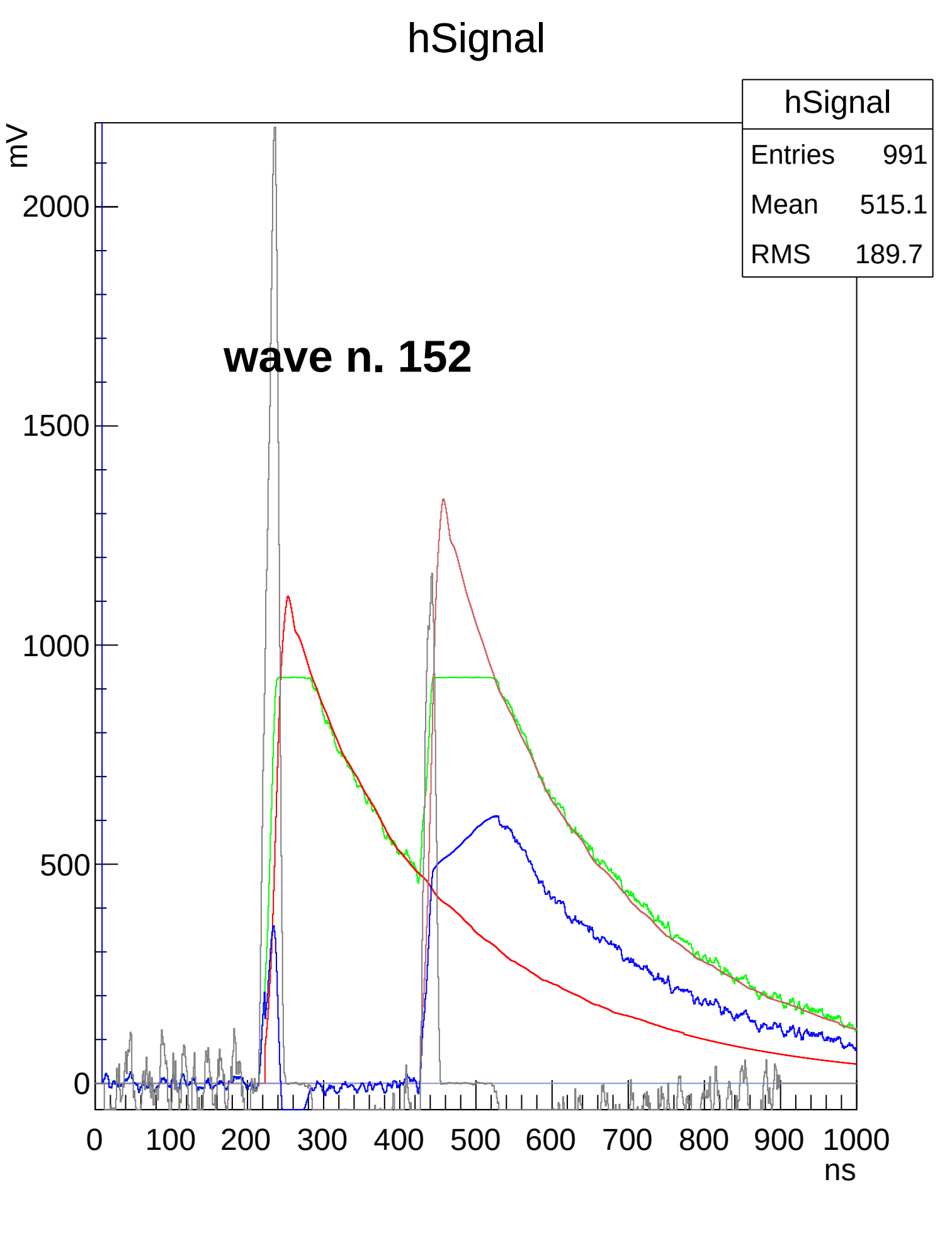

hSignal
hSignal
Entries 991
Mean 508.5
RMS 165.6
wave n. 147
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

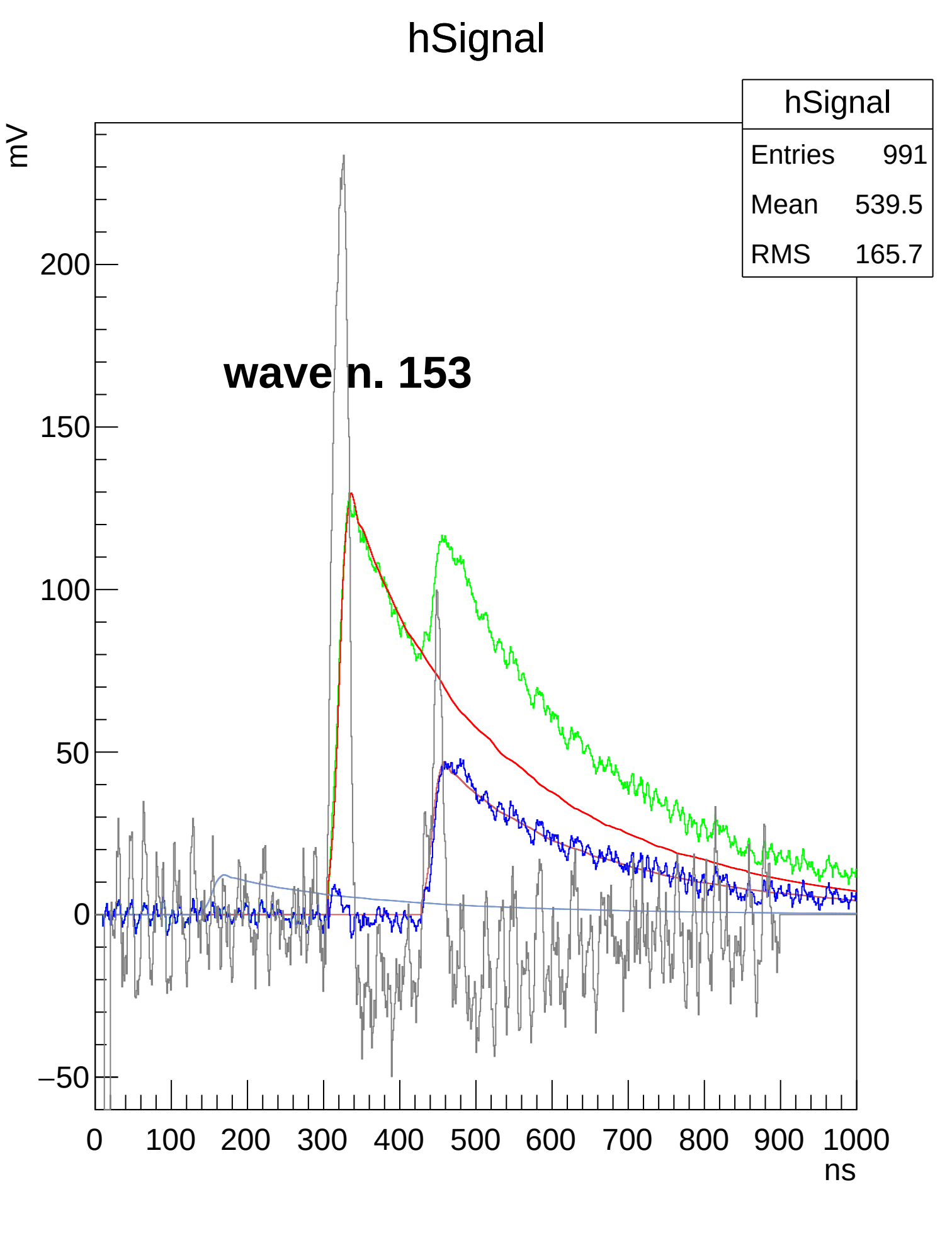

hSignal
hSignal
Entries 991
Mean 504.7
RMS 175
wave n. 148
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

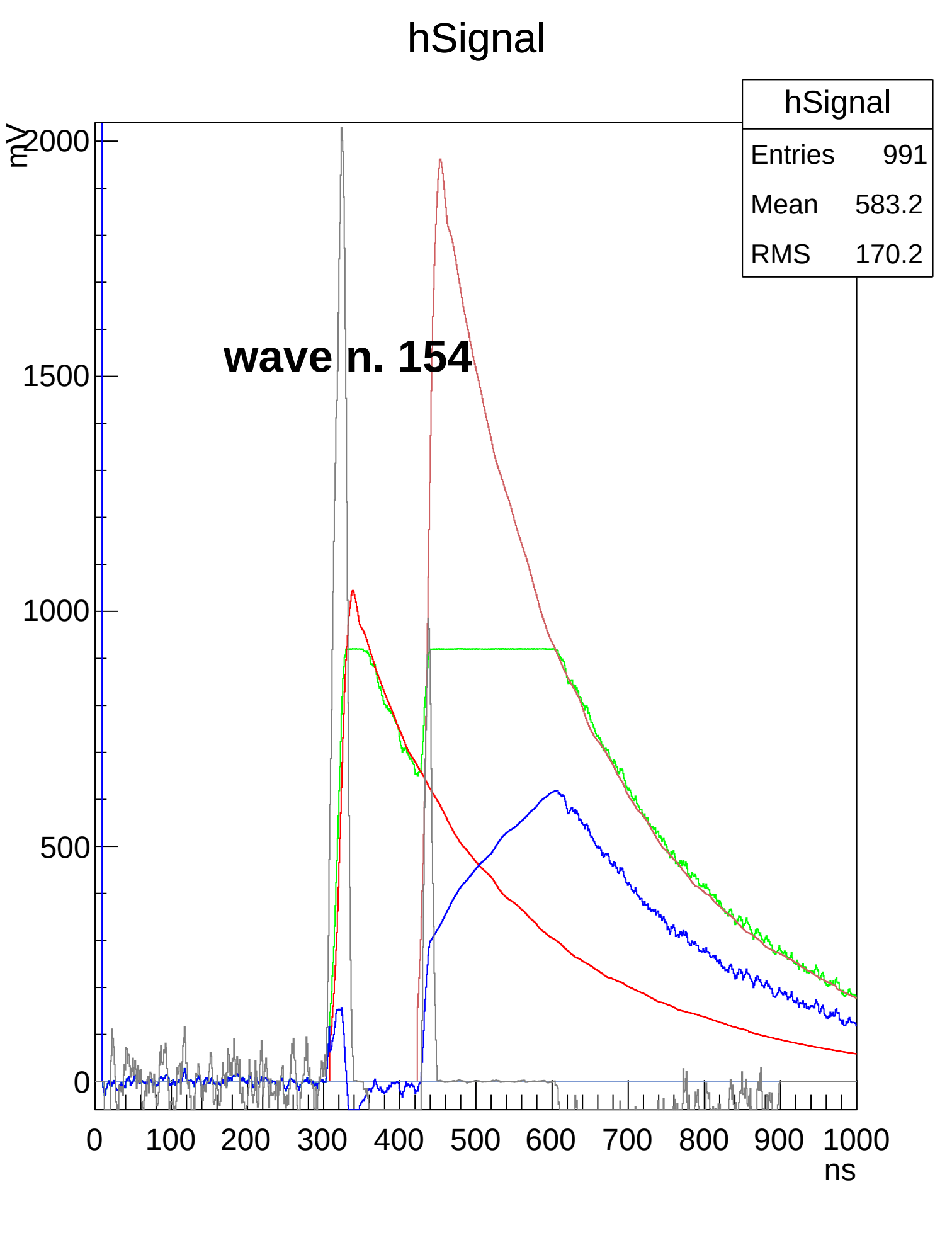

hSignal
hSignal
Entries 991
Mean 473.2
RMS 184.6
wave n. 149
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

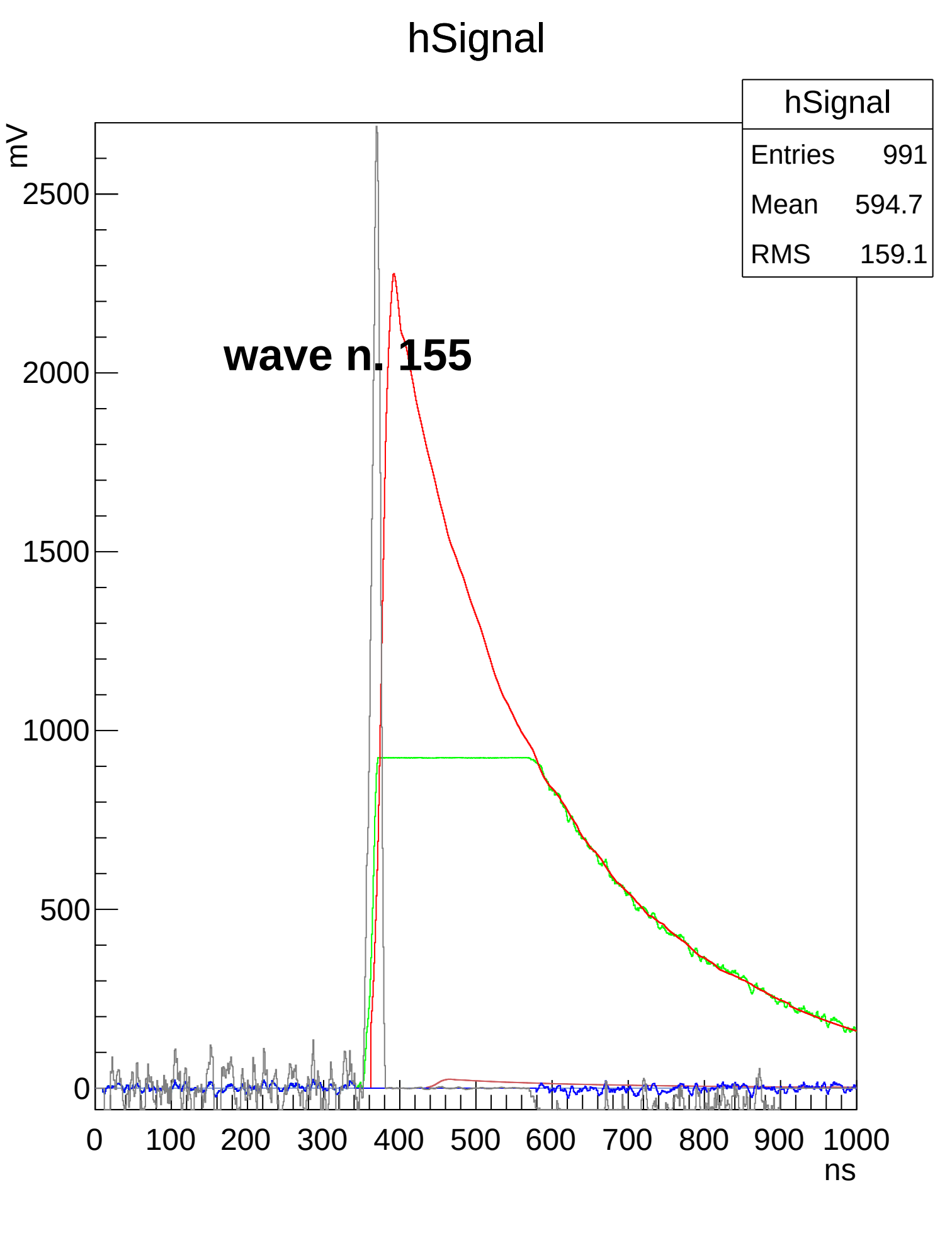

hSignal
hSignal
Entries 991
Mean 477.3
RMS 170.9
wave n. 150
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

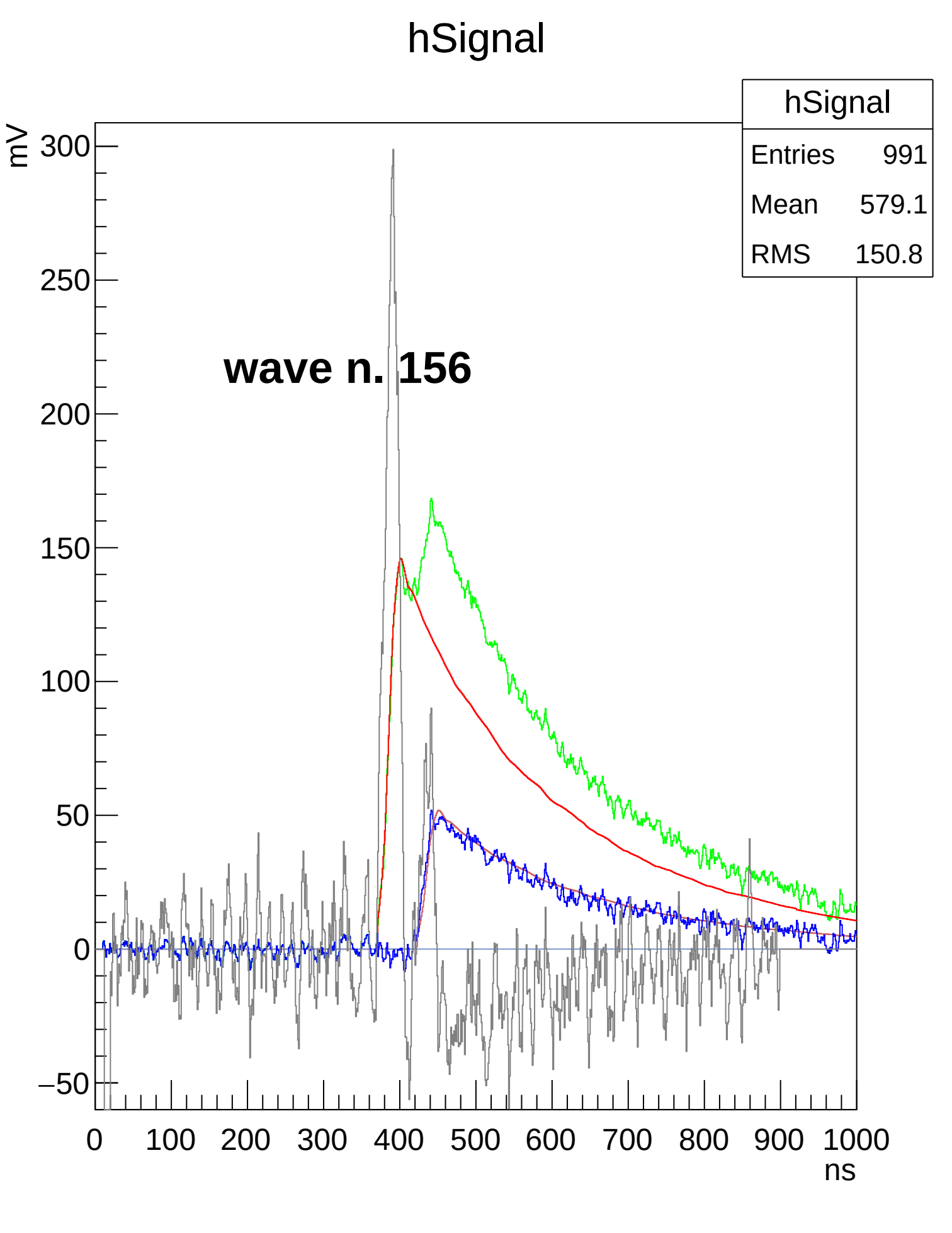

hSignal
hSignal
Entries 991
Mean 538.7
RMS 167.3
wave n. 151
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

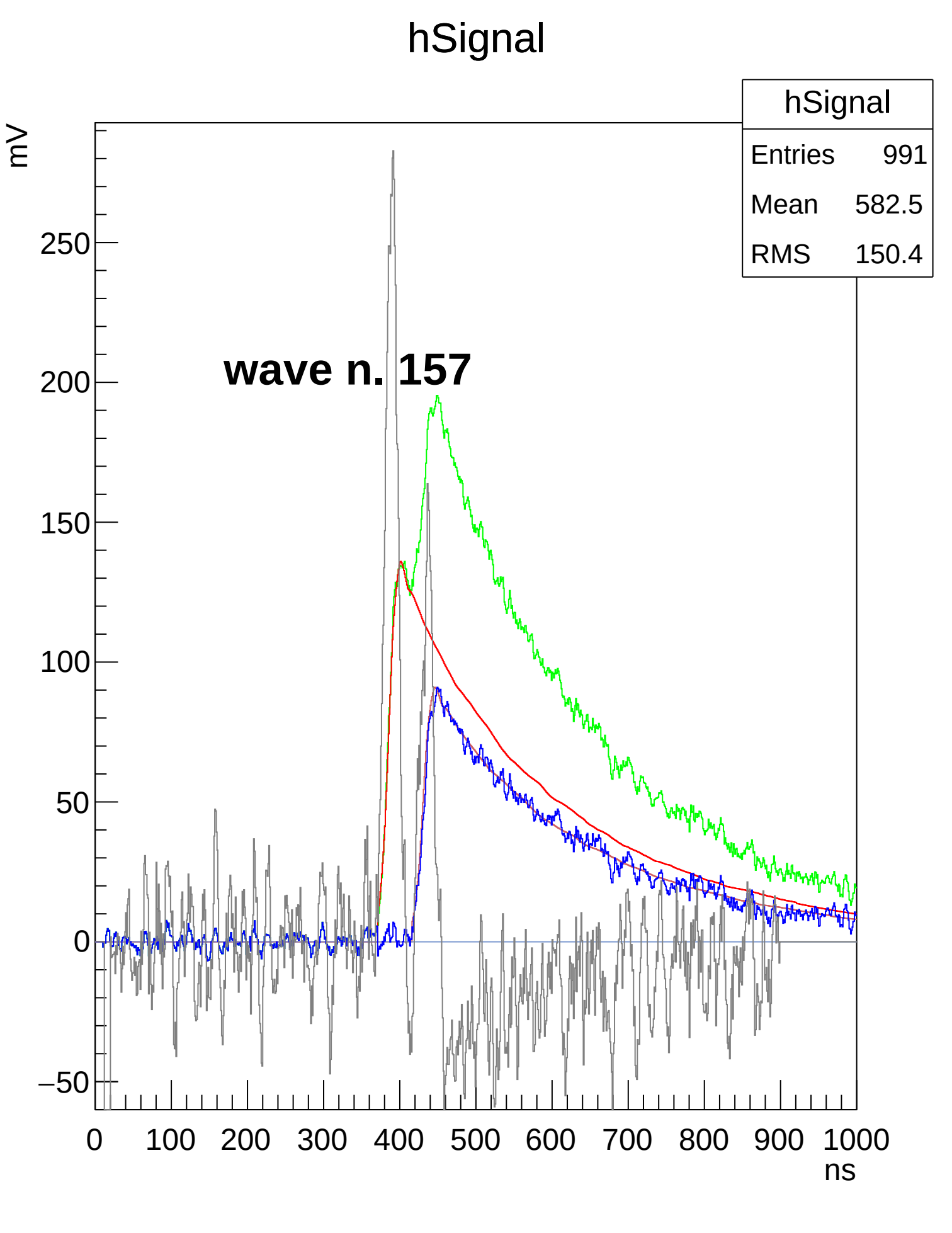

hSignal
hSignal
Entries 991
Mean 515.1
RMS 189.7
wave n. 152
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

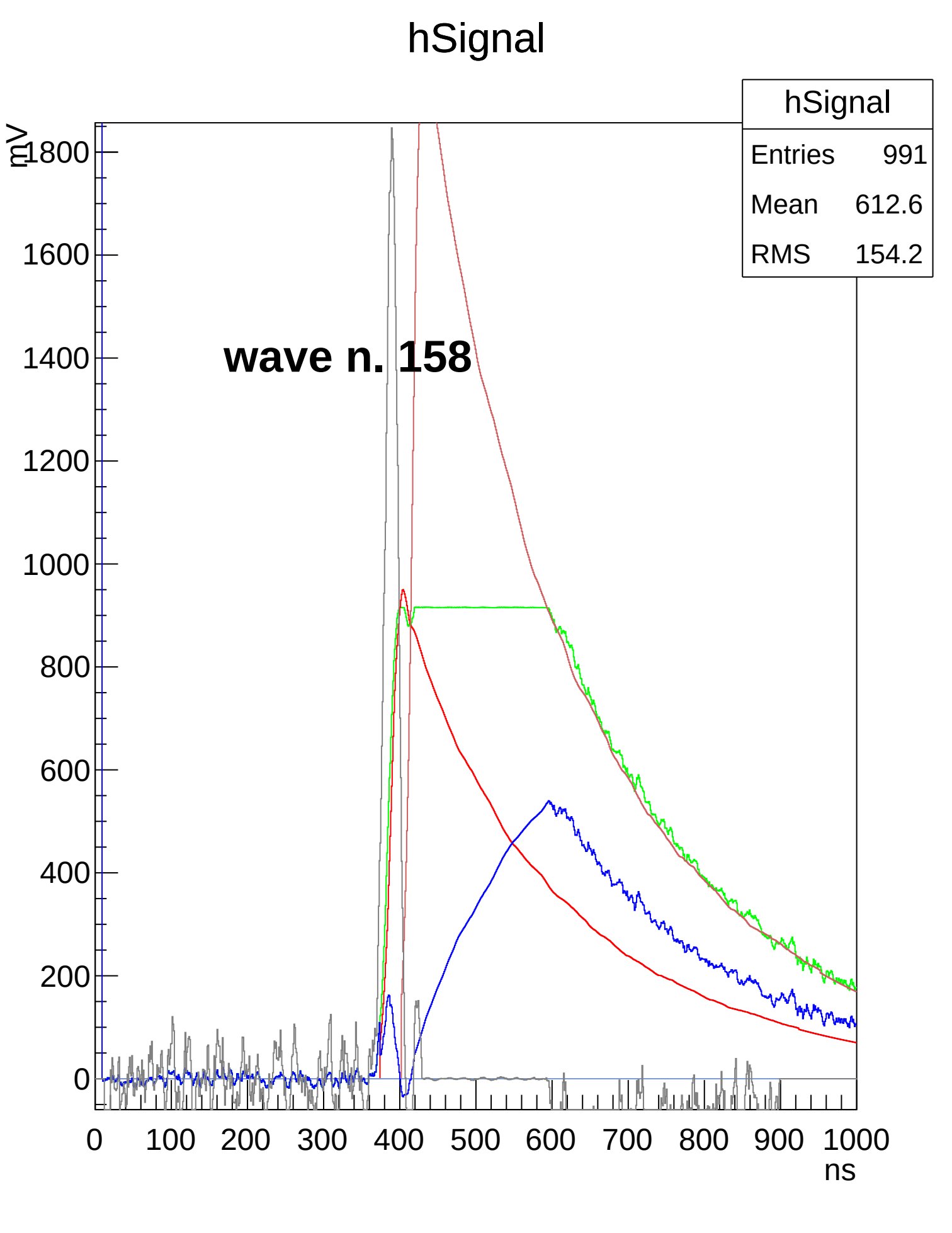

hSignal
hSignal
Entries 991
Mean 539.5
RMS 165.7
wave n. 153
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

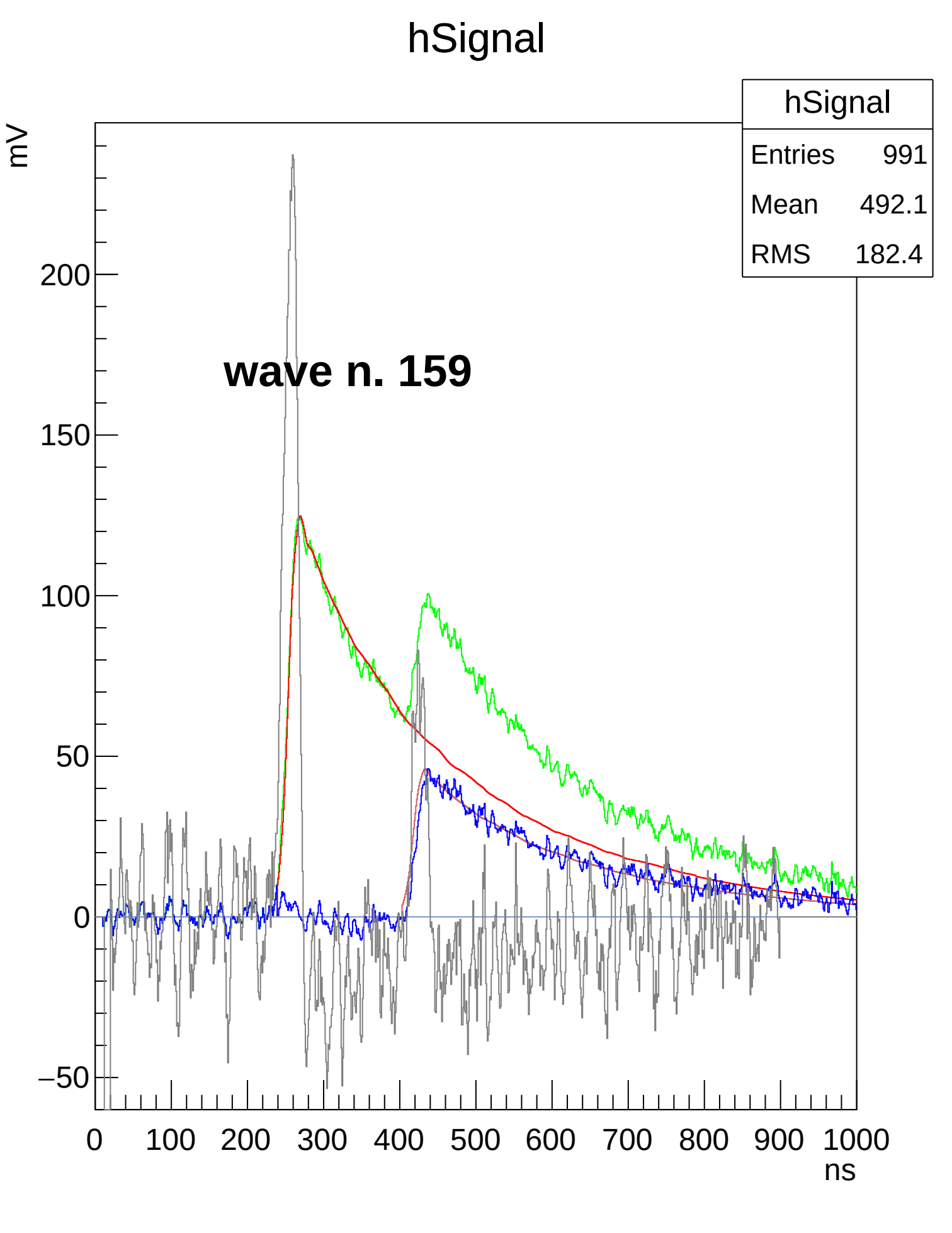

hSignal
hSignal
Entries 991
Mean 583.2
RMS 170.2
wave n. 154
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

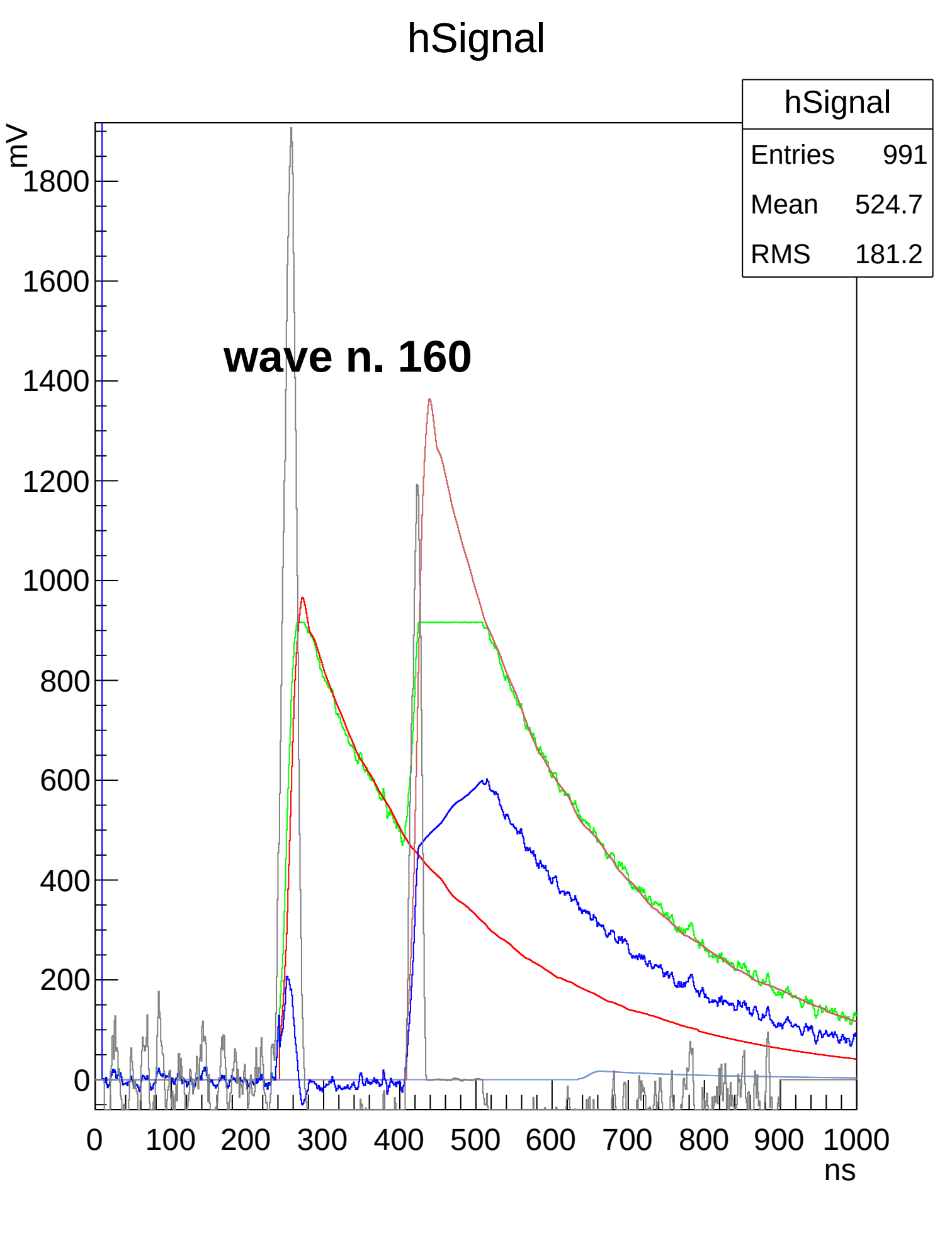

hSignal
hSignal
Entries 991
Mean 594.7
RMS 159.1
wave n. 155
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

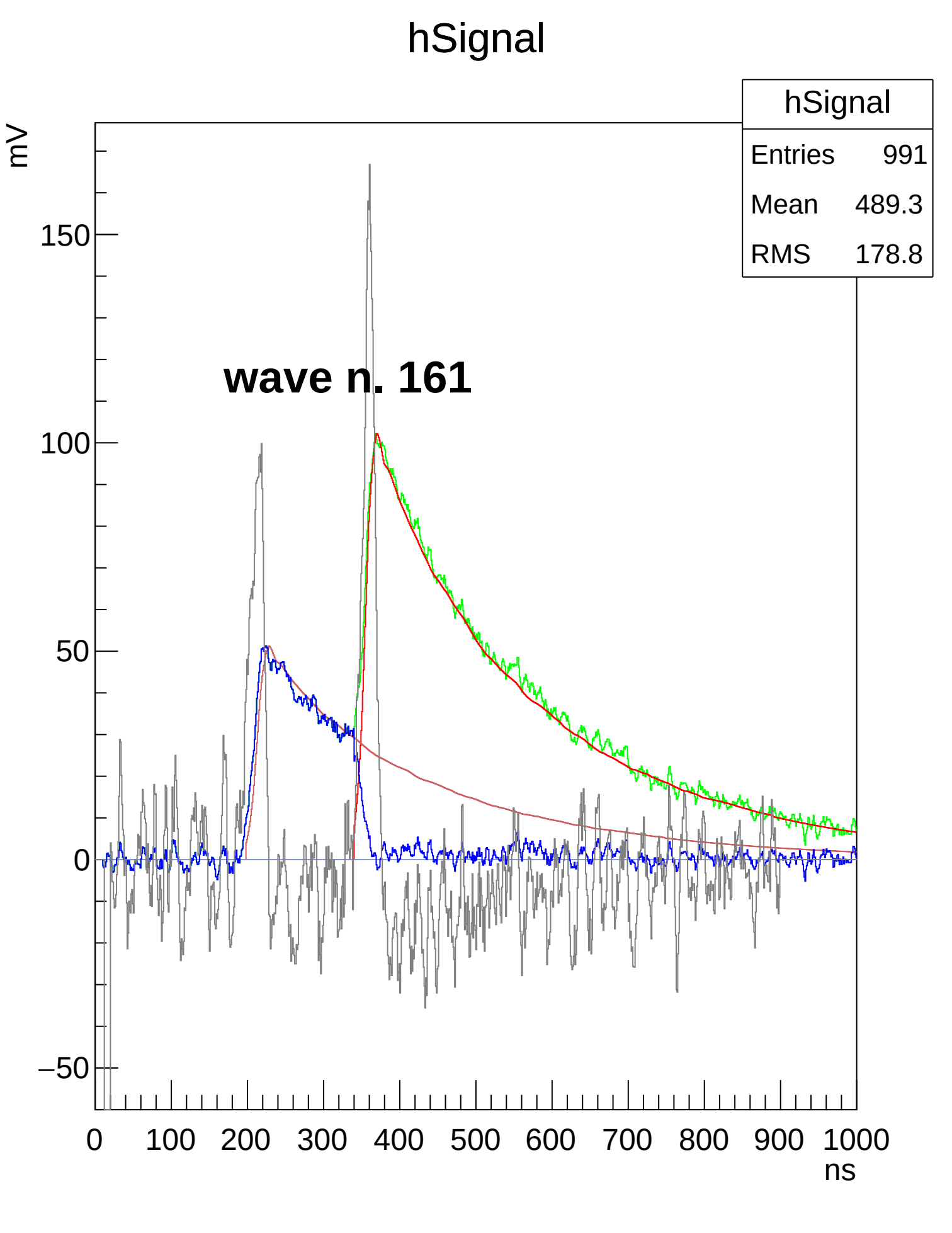

hSignal
hSignal
Entries 991
Mean 579.1
RMS 150.8
wave n. 156
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

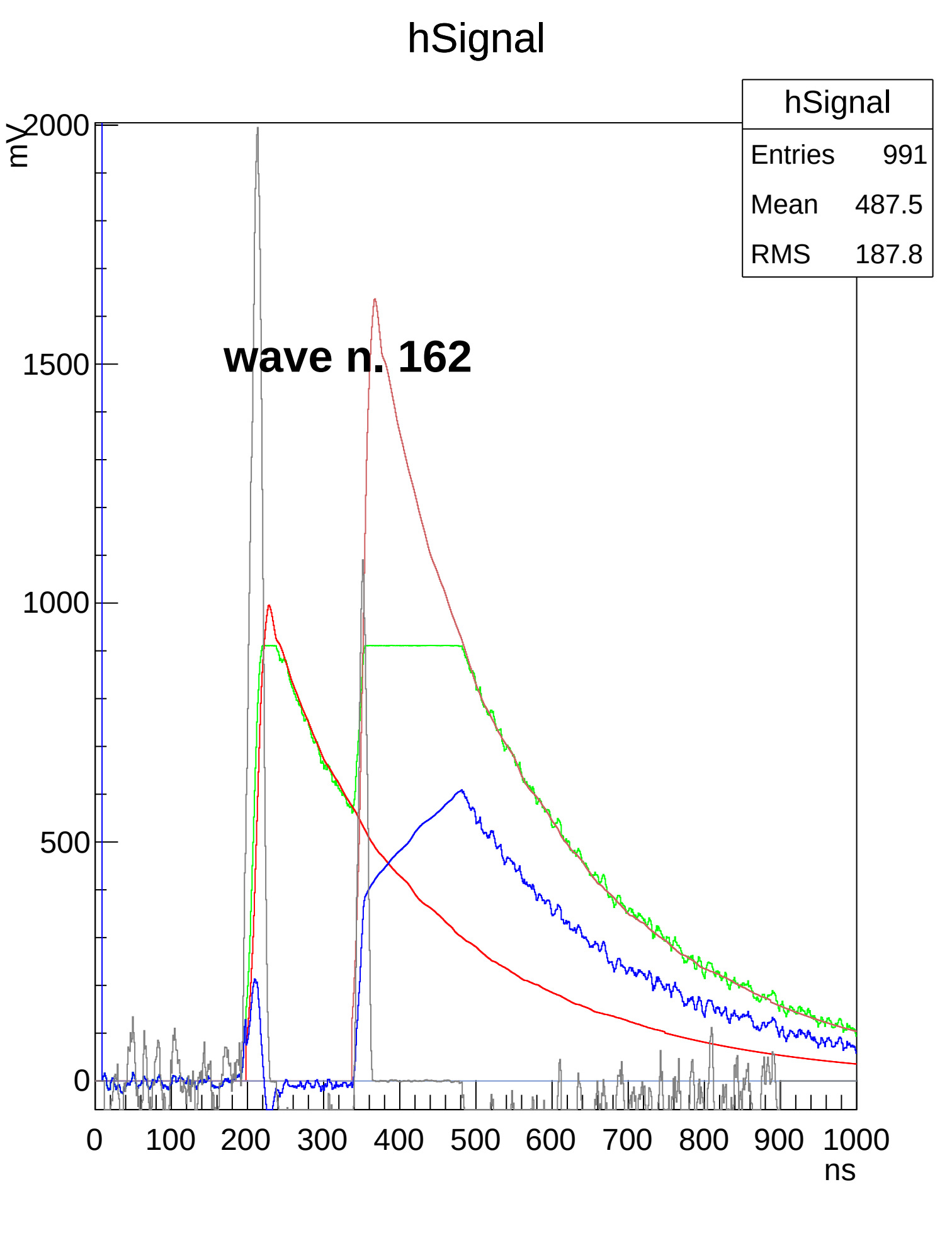

hSignal
hSignal
Entries 991
Mean 582.5
RMS 150.4
wave n. 157
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

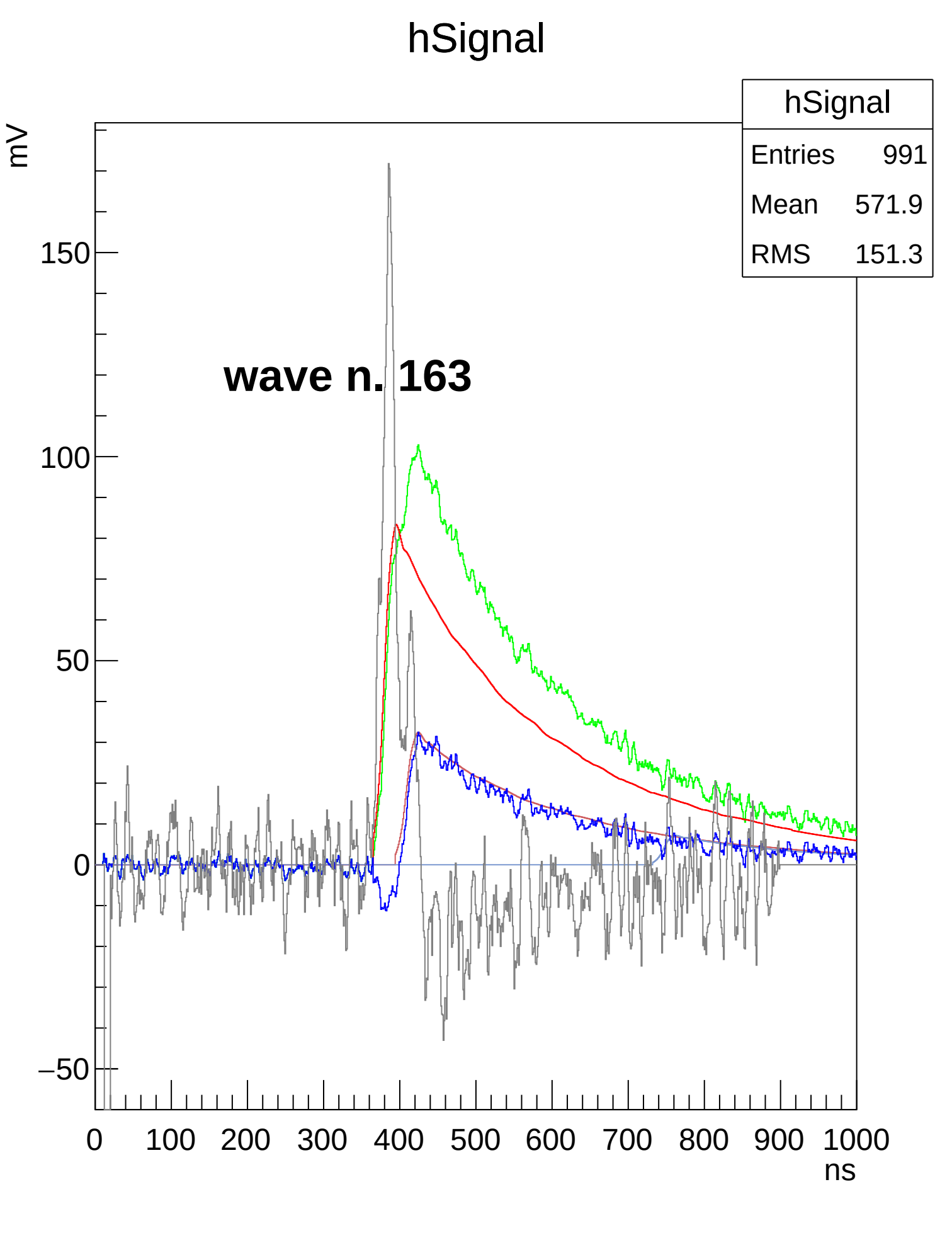

hSignal
hSignal
Entries 991
Mean 612.6
RMS 154.2
wave n. 158
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

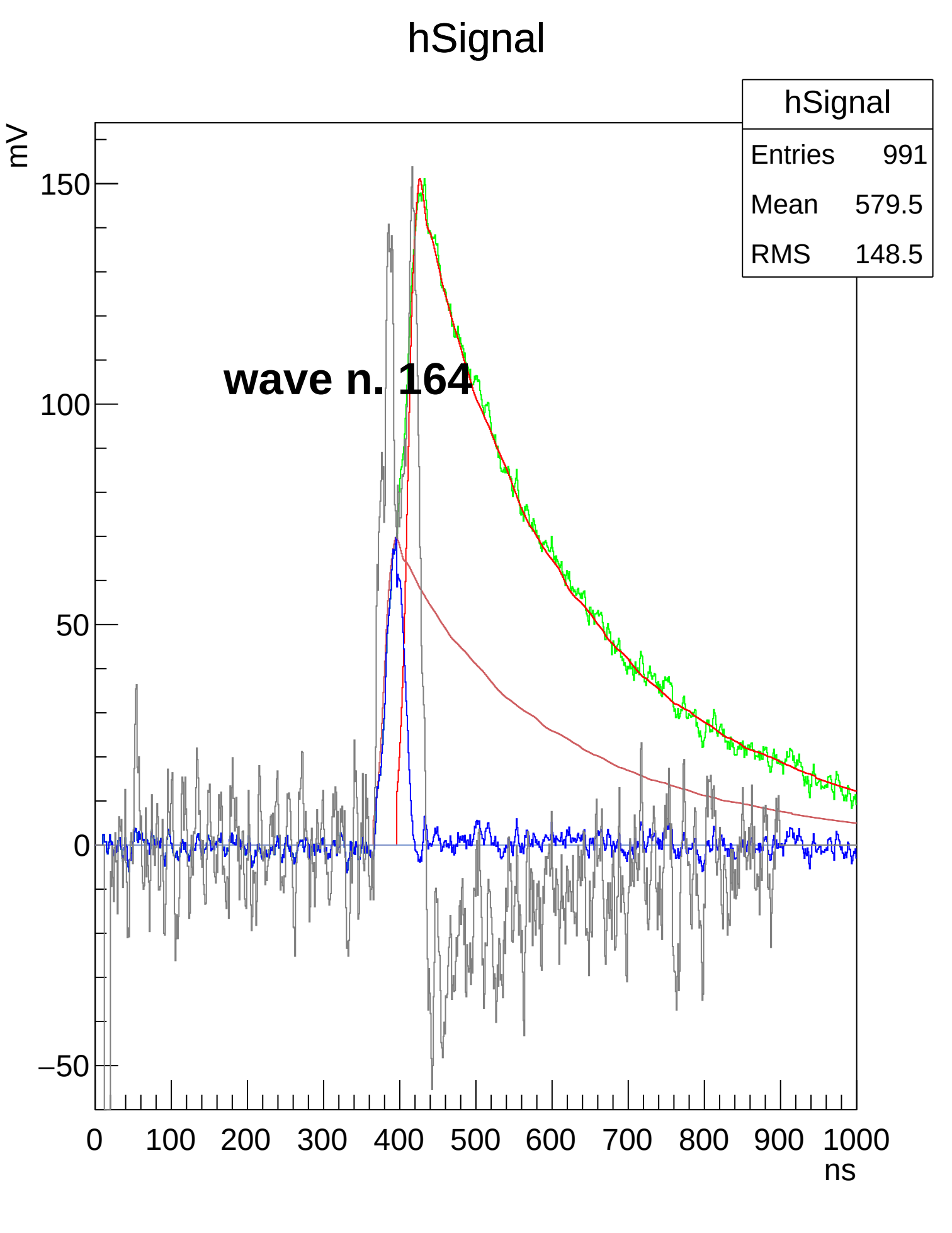

hSignal
hSignal
Entries 991
Mean 492.1
RMS 182.4
wave n. 159
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

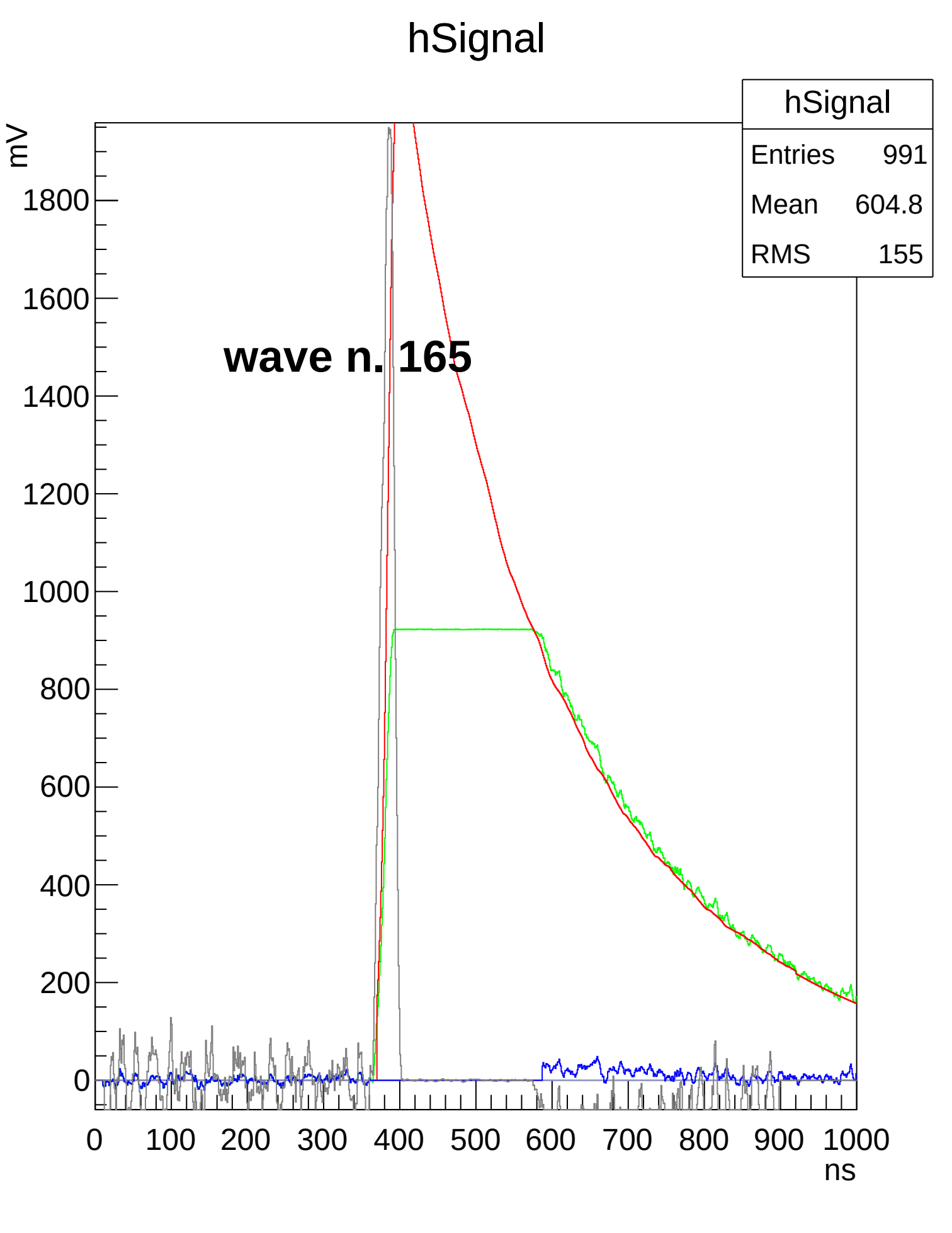

hSignal
hSignal
Entries 991
Mean 524.7
RMS 181.2
wave n. 160
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

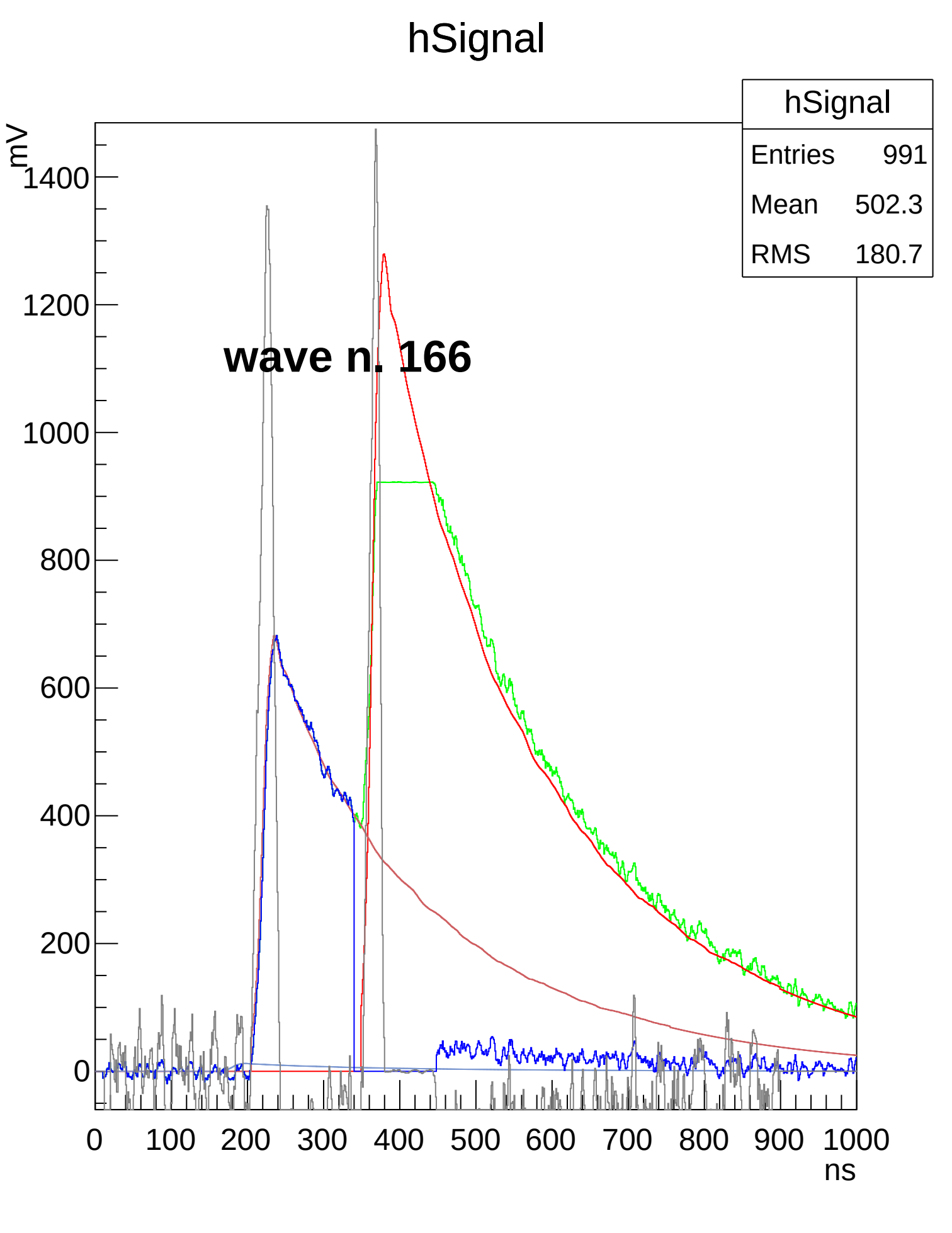

hSignal
hSignal
Entries 991
Mean 489.3
RMS 178.8
wave n. 161
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

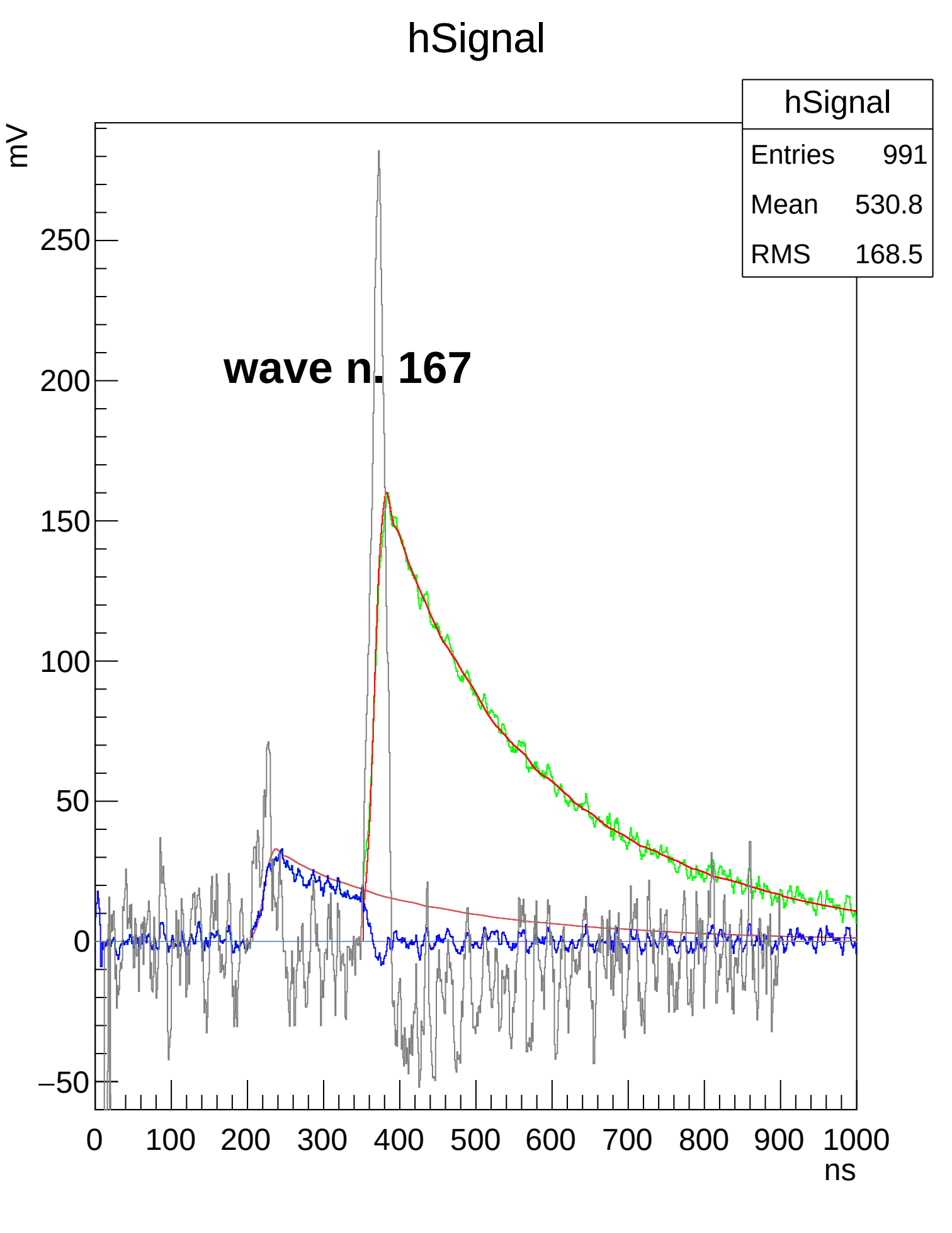

hSignal
hSignal
Entries 991
Mean 487.5
RMS 187.8
wave n. 162
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

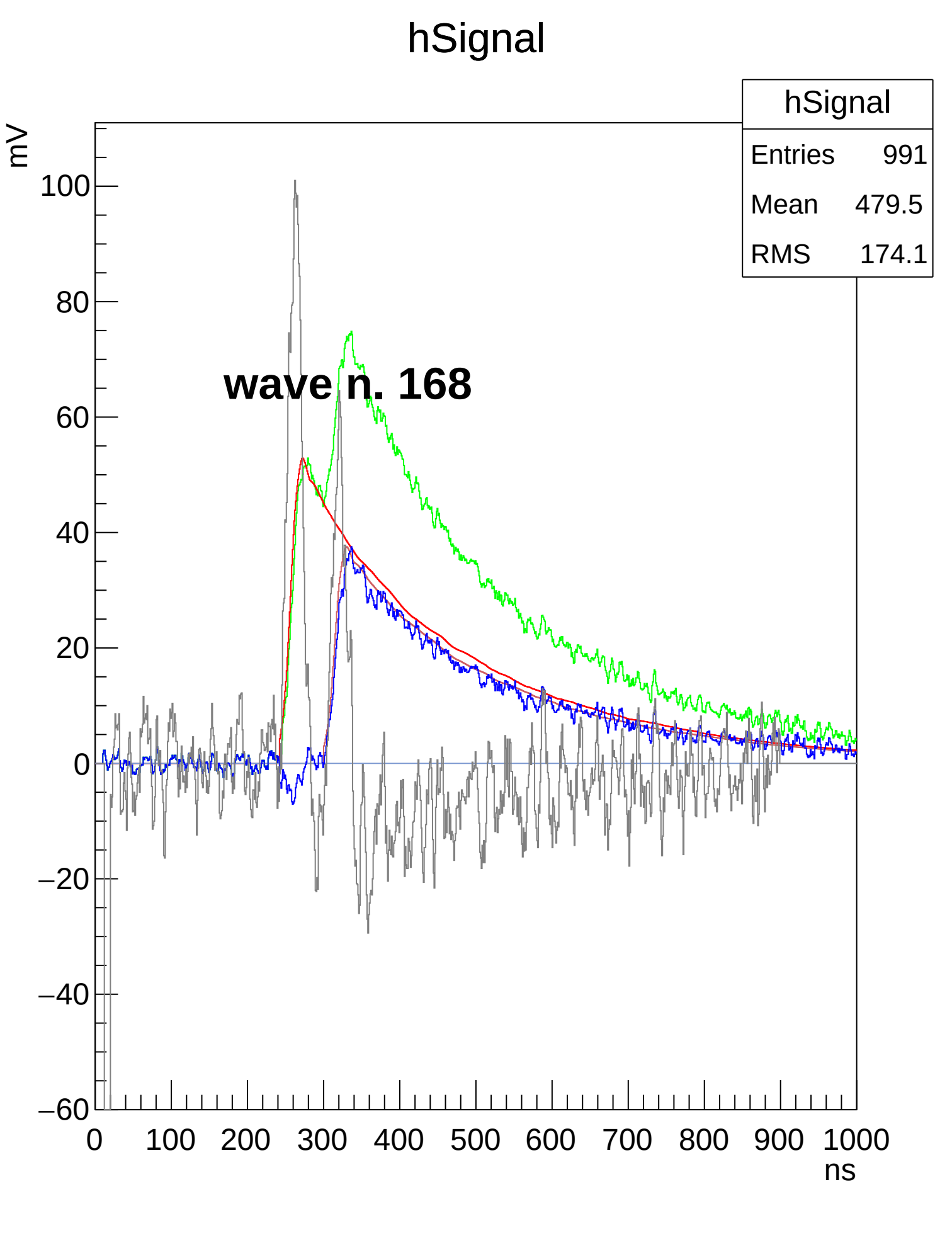

hSignal
hSignal
Entries 991
Mean 571.9
RMS 151.3
wave n. 163
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

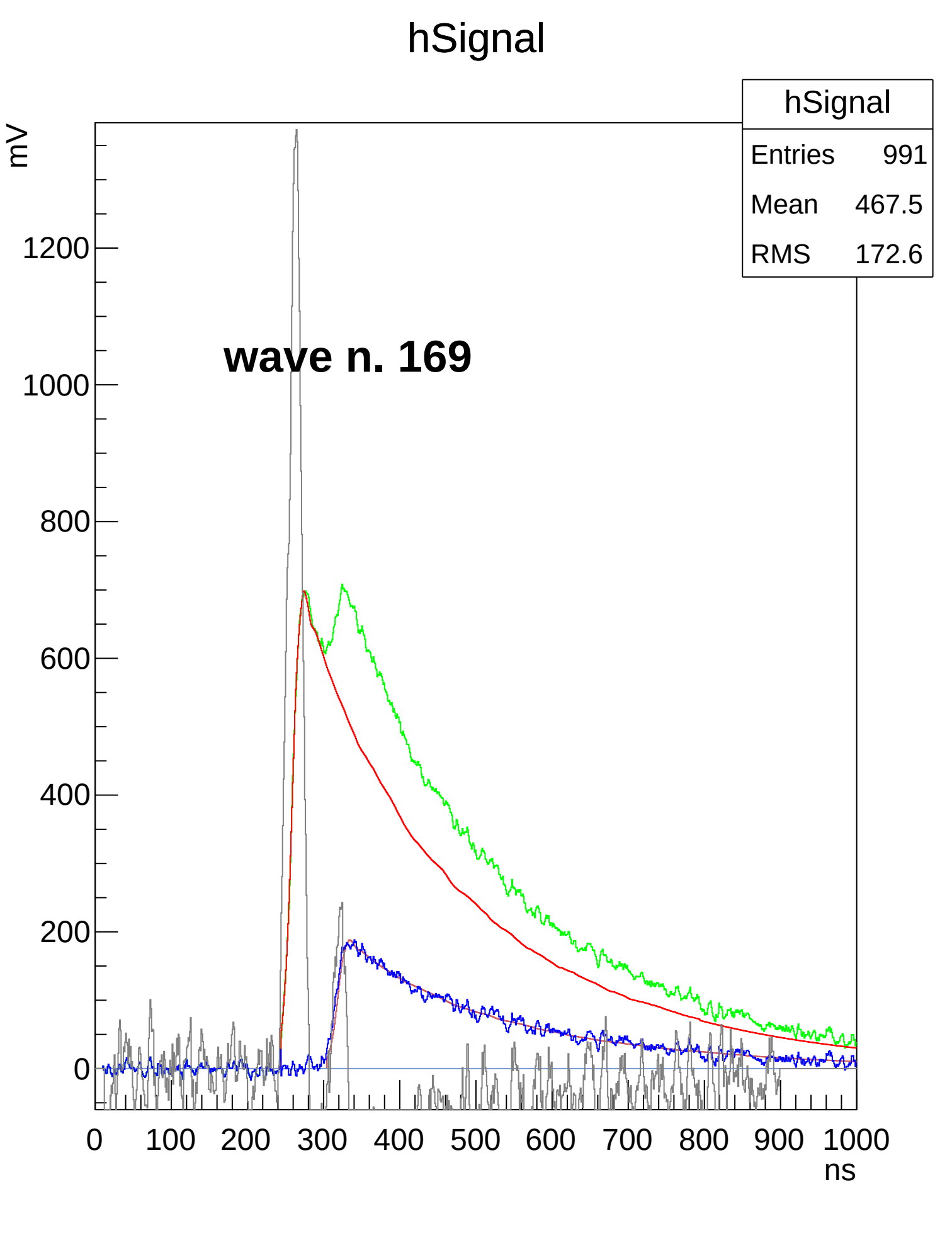

hSignal
hSignal
Entries 991
Mean 579.5
RMS 148.5
wave n. 164
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

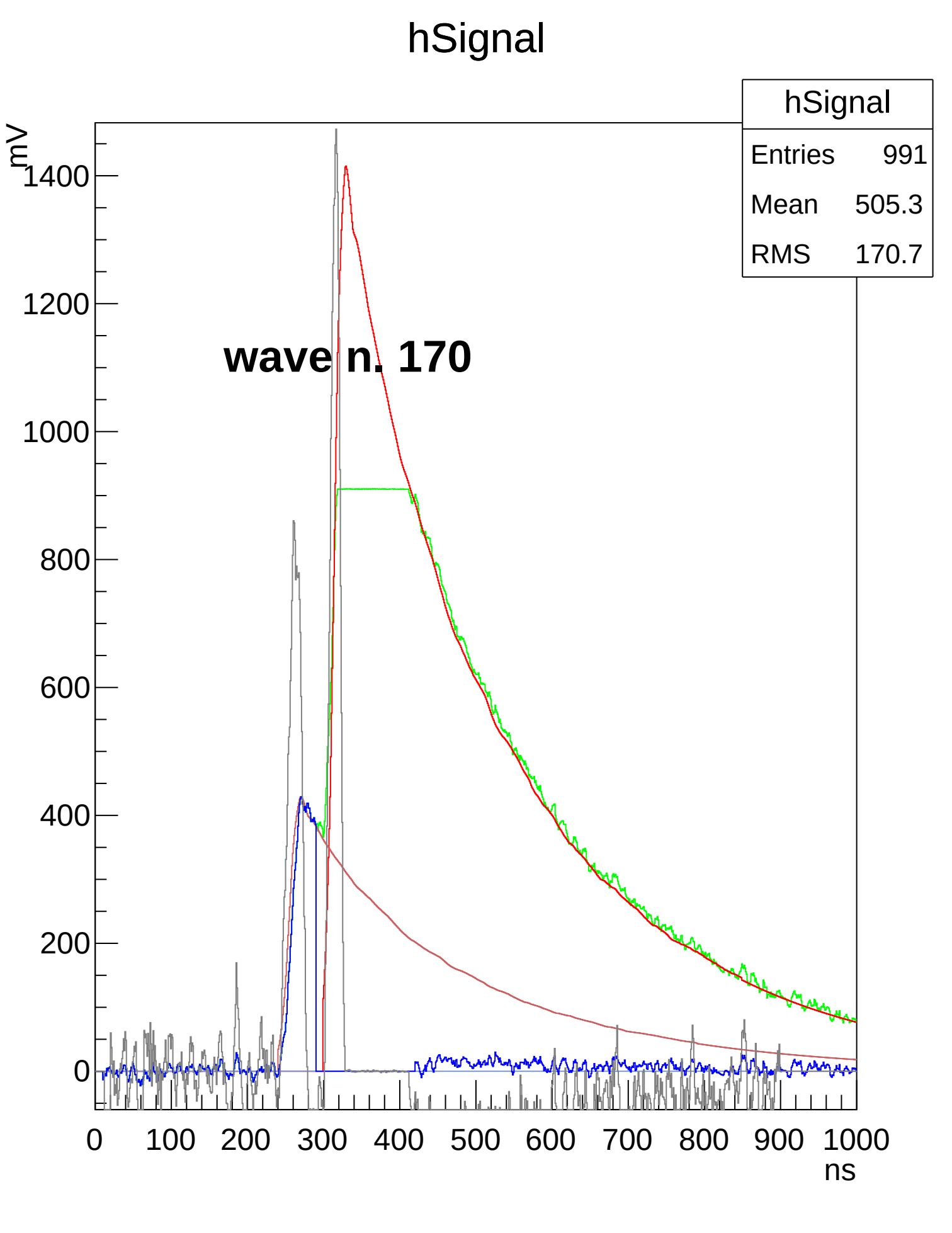

hSignal
hSignal
Entries 991
Mean 604.8
RMS 155
wave n. 165
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

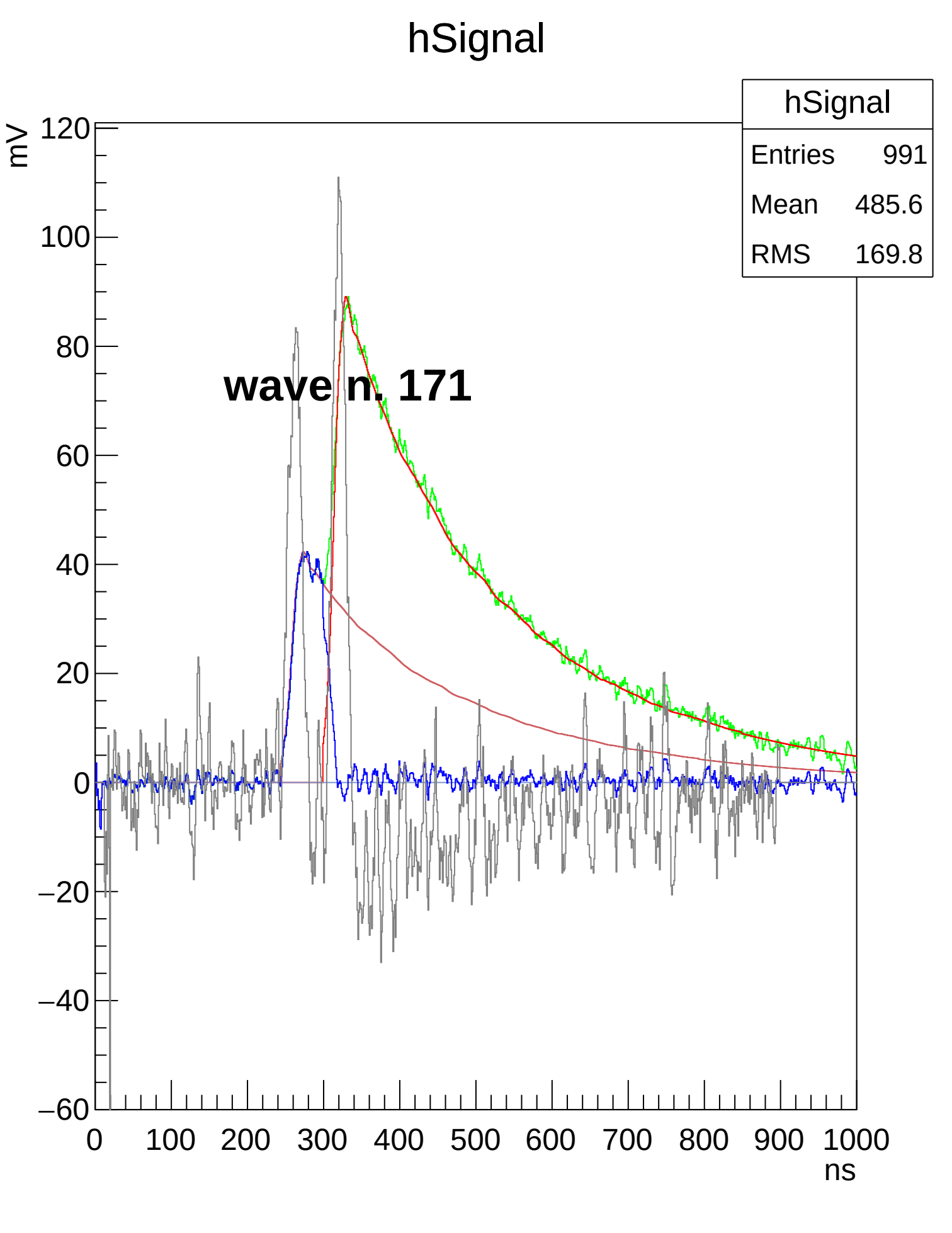

hSignal
hSignal
Entries 991
Mean 502.3
RMS 180.7
wave n. 166
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

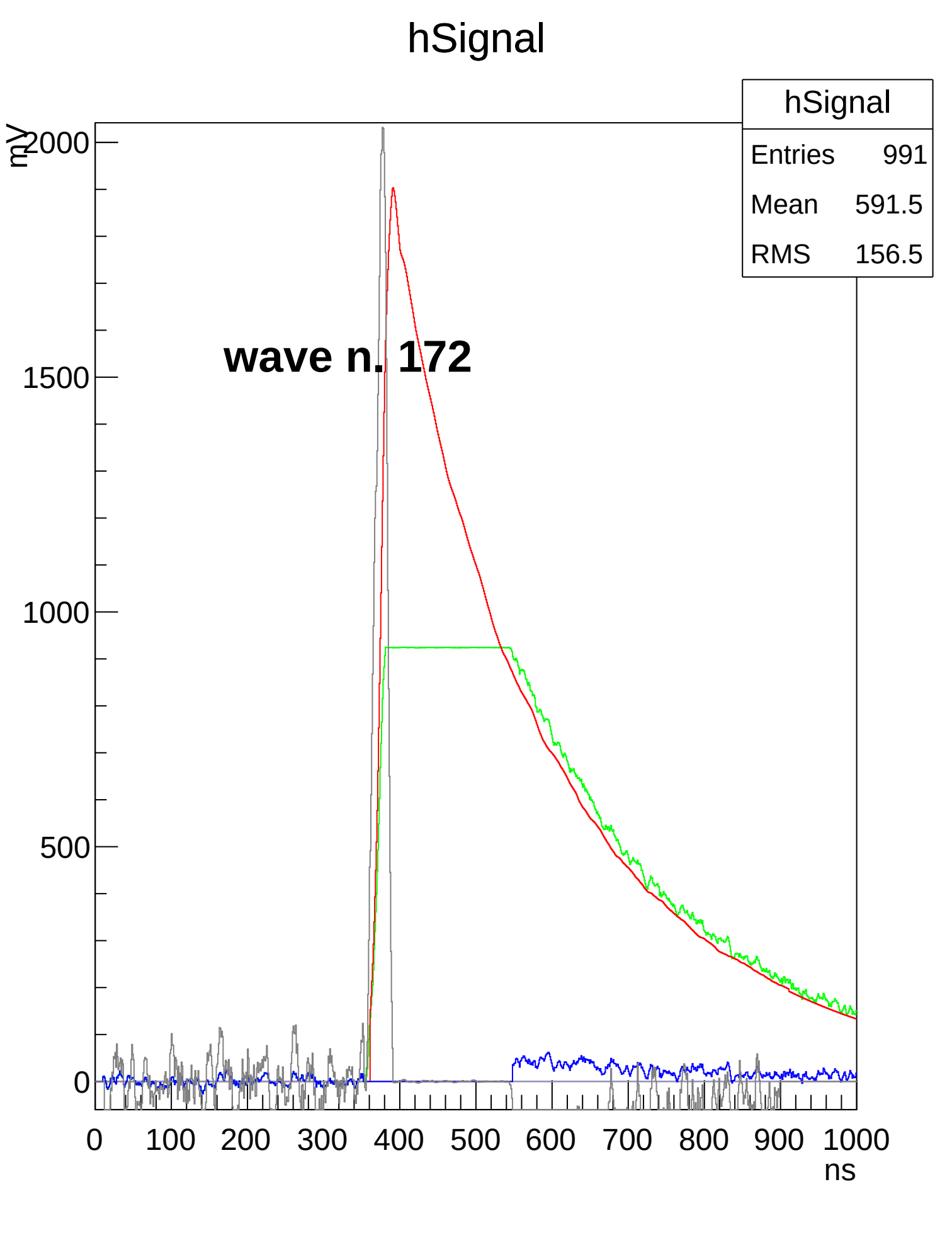

hSignal
hSignal
Entries 991
Mean 530.8
RMS 168.5
wave n. 167
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

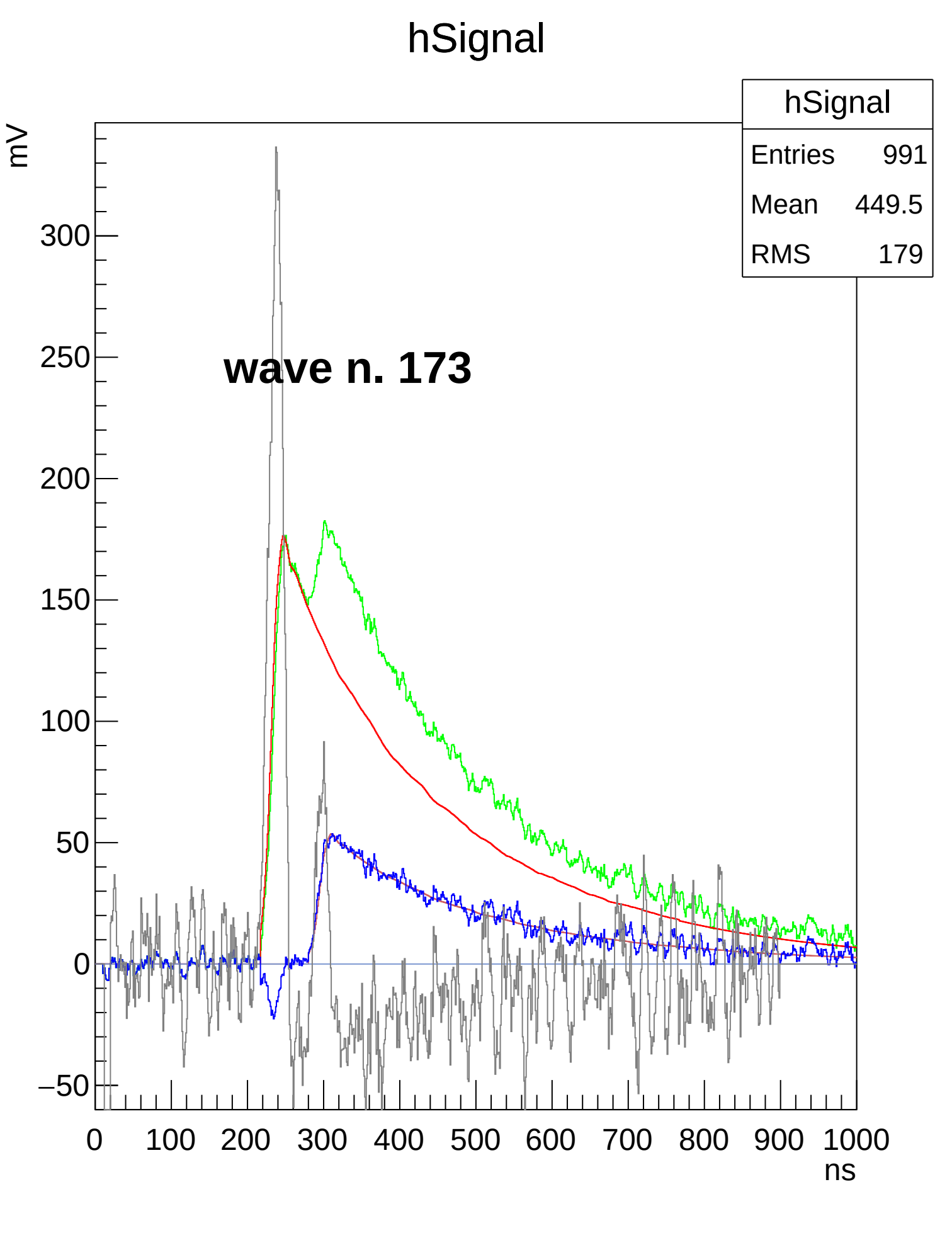

hSignal
hSignal
Entries 991
Mean 479.5
RMS 174.1
wave n. 168
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

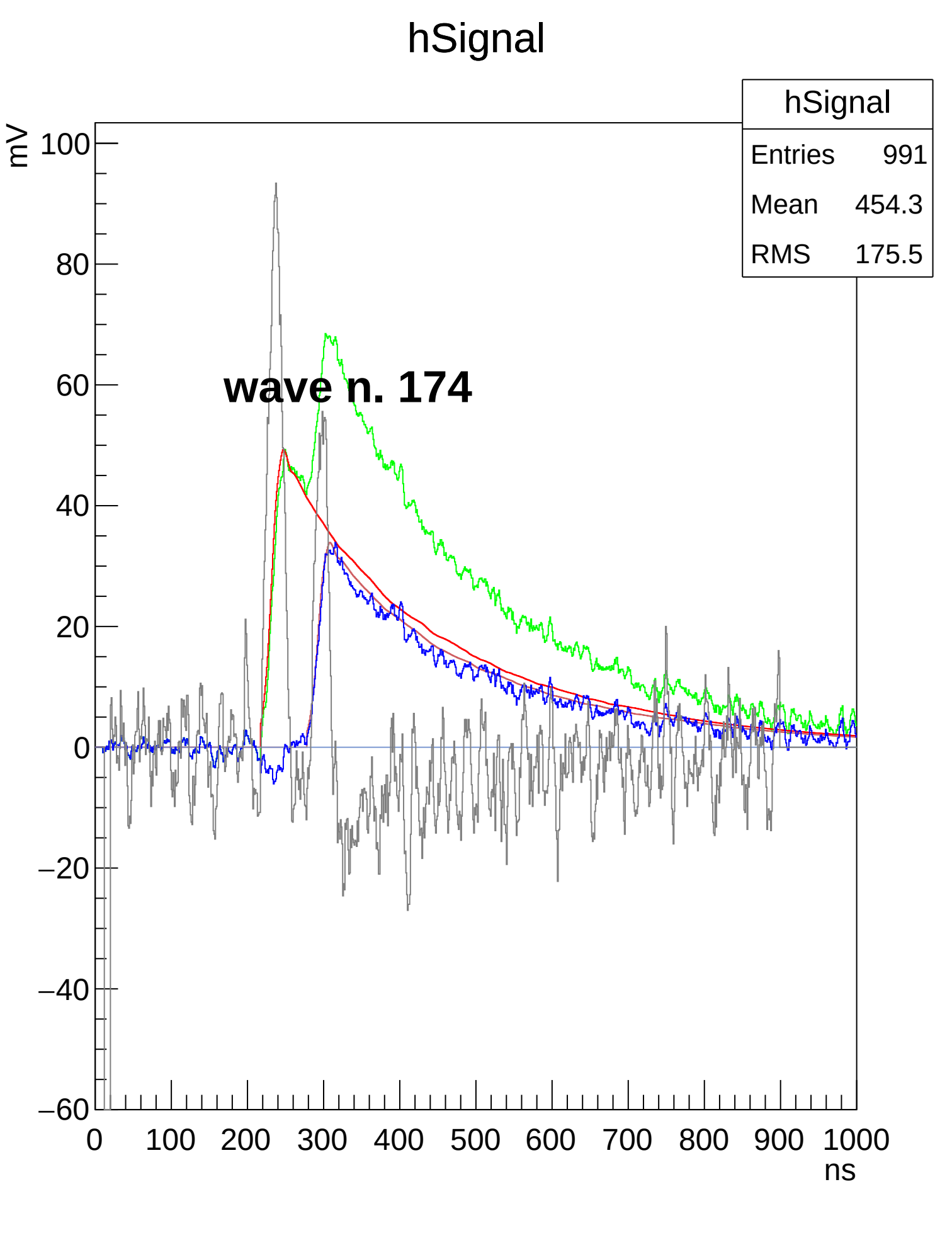

hSignal
hSignal
Entries 991
Mean 467.5
RMS 172.6
wave n. 169
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

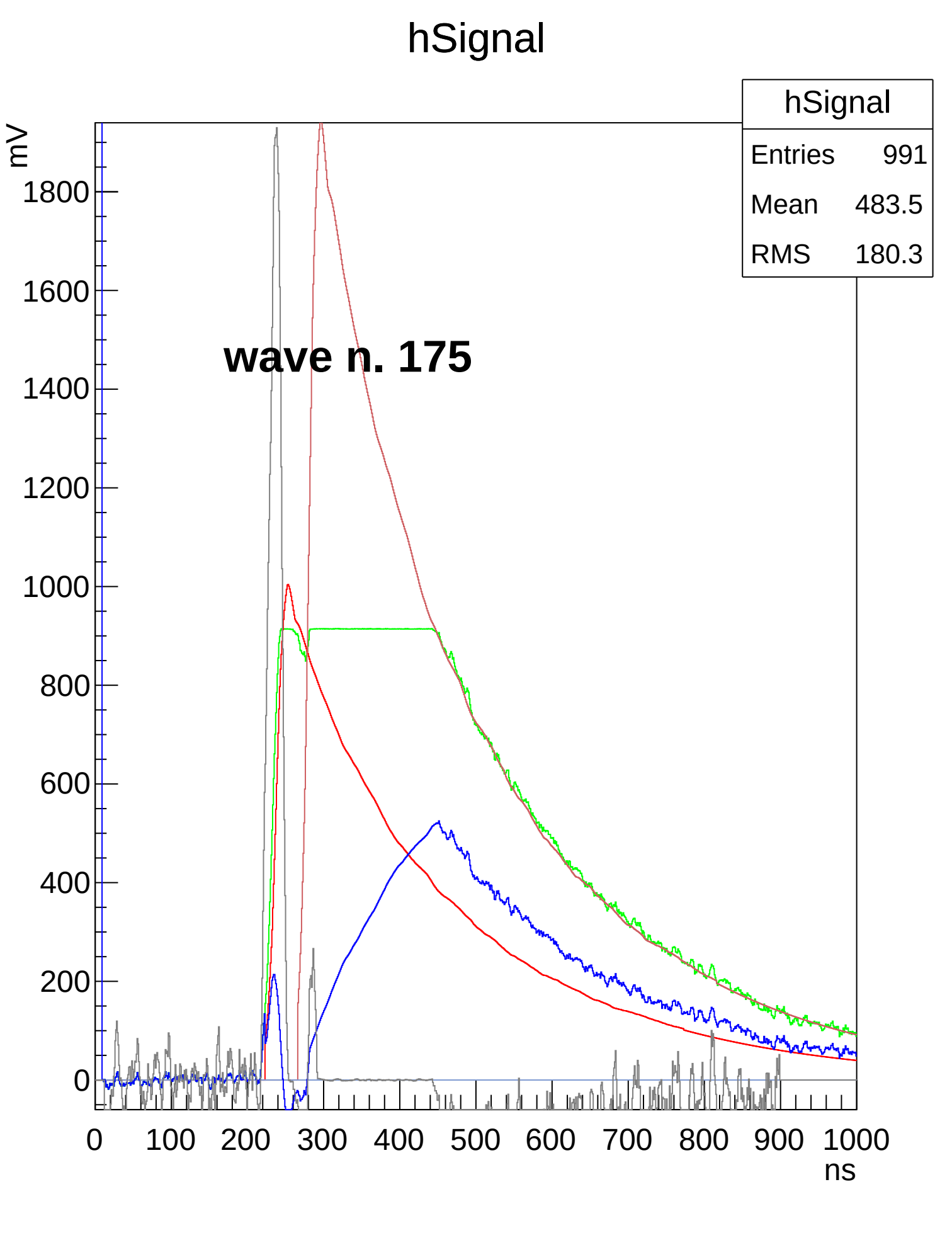

hSignal
hSignal
Entries 991
Mean 505.3
RMS 170.7
wave n. 170
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

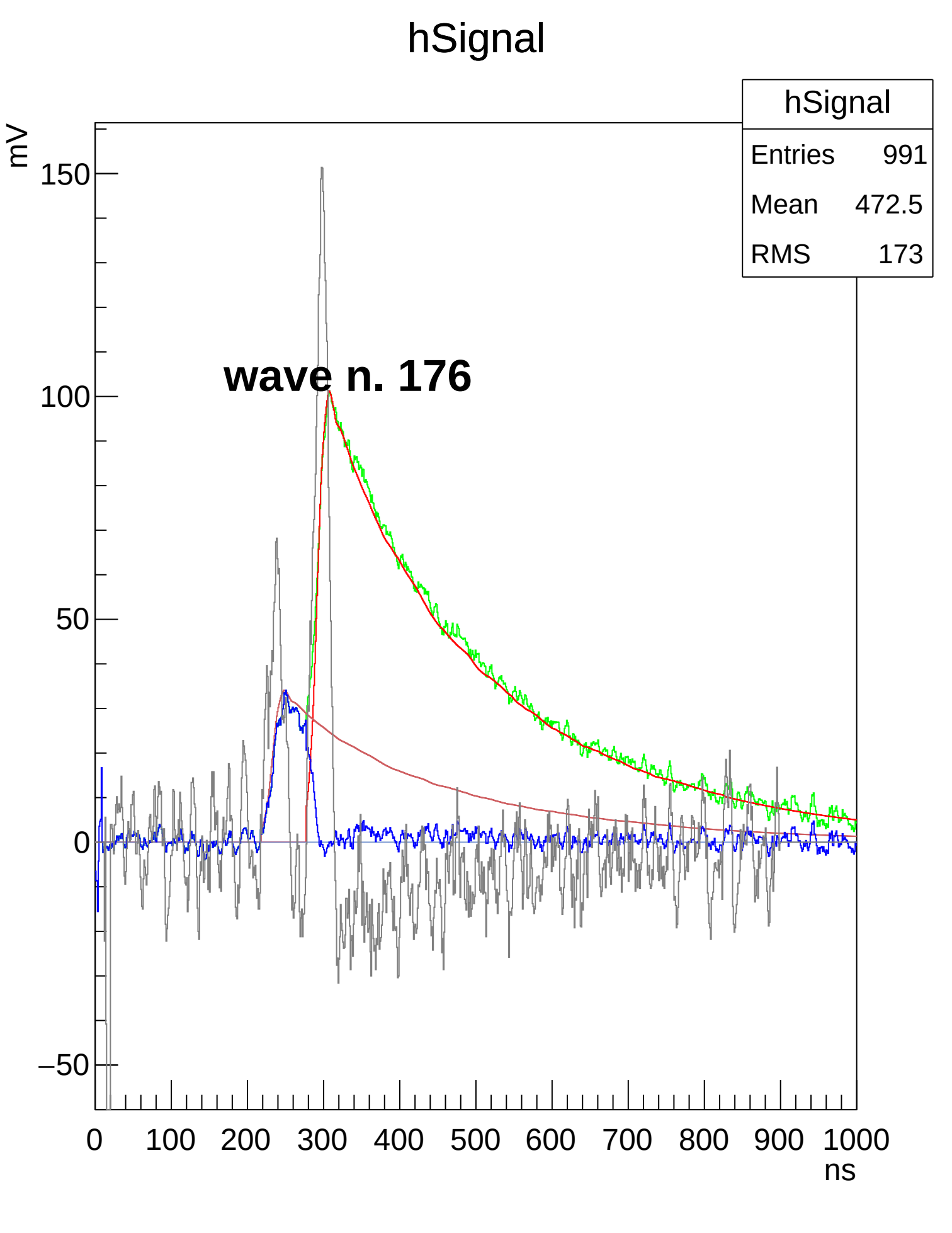

hSignal
hSignal
Entries 991
Mean 485.6
RMS 169.8
wave n. 171
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

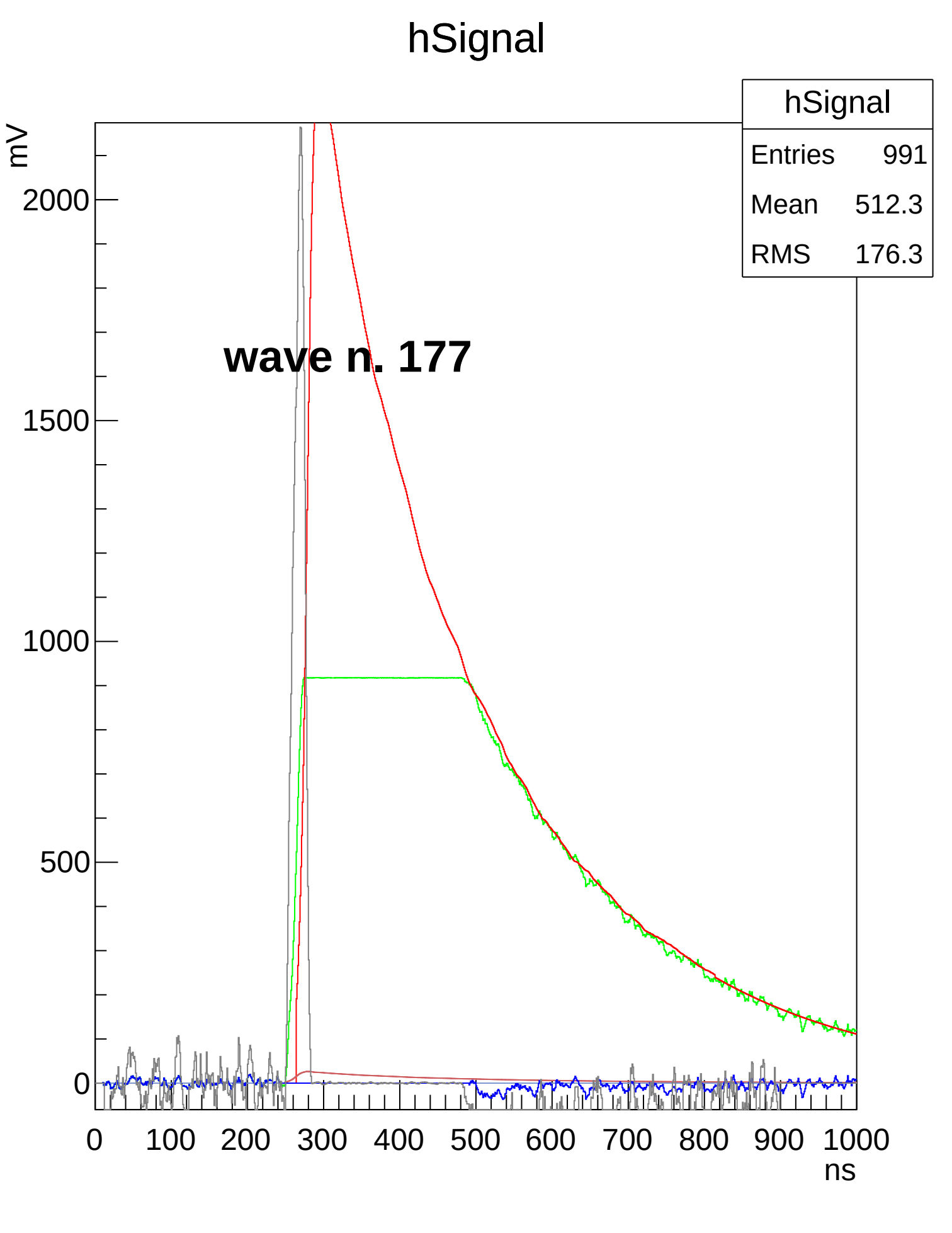

hSignal
hSignal
Entries 991
Mean 591.5
RMS 156.5
wave n. 172
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

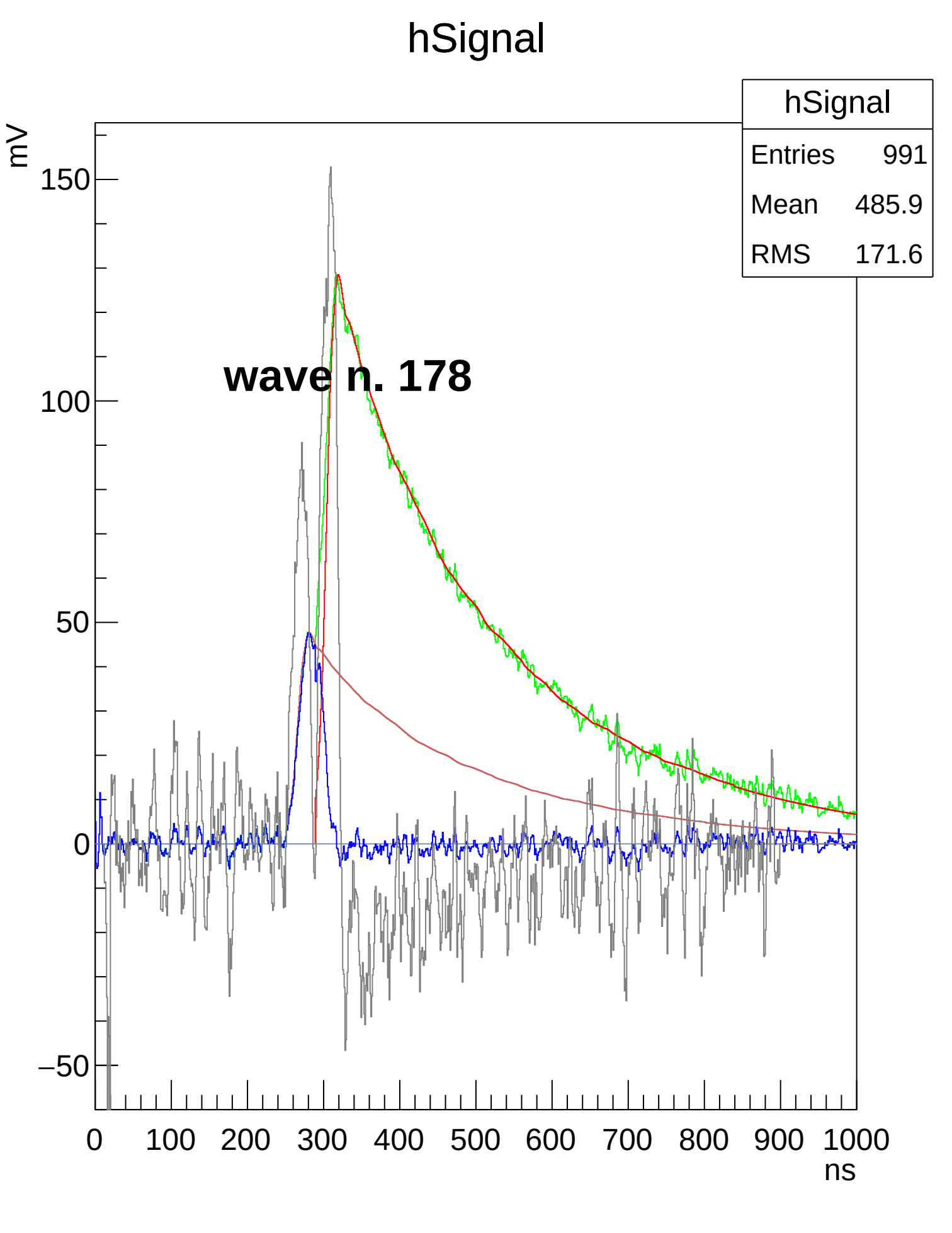

hSignal
hSignal
Entries 991
Mean 449.5
RMS 179
wave n. 173
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

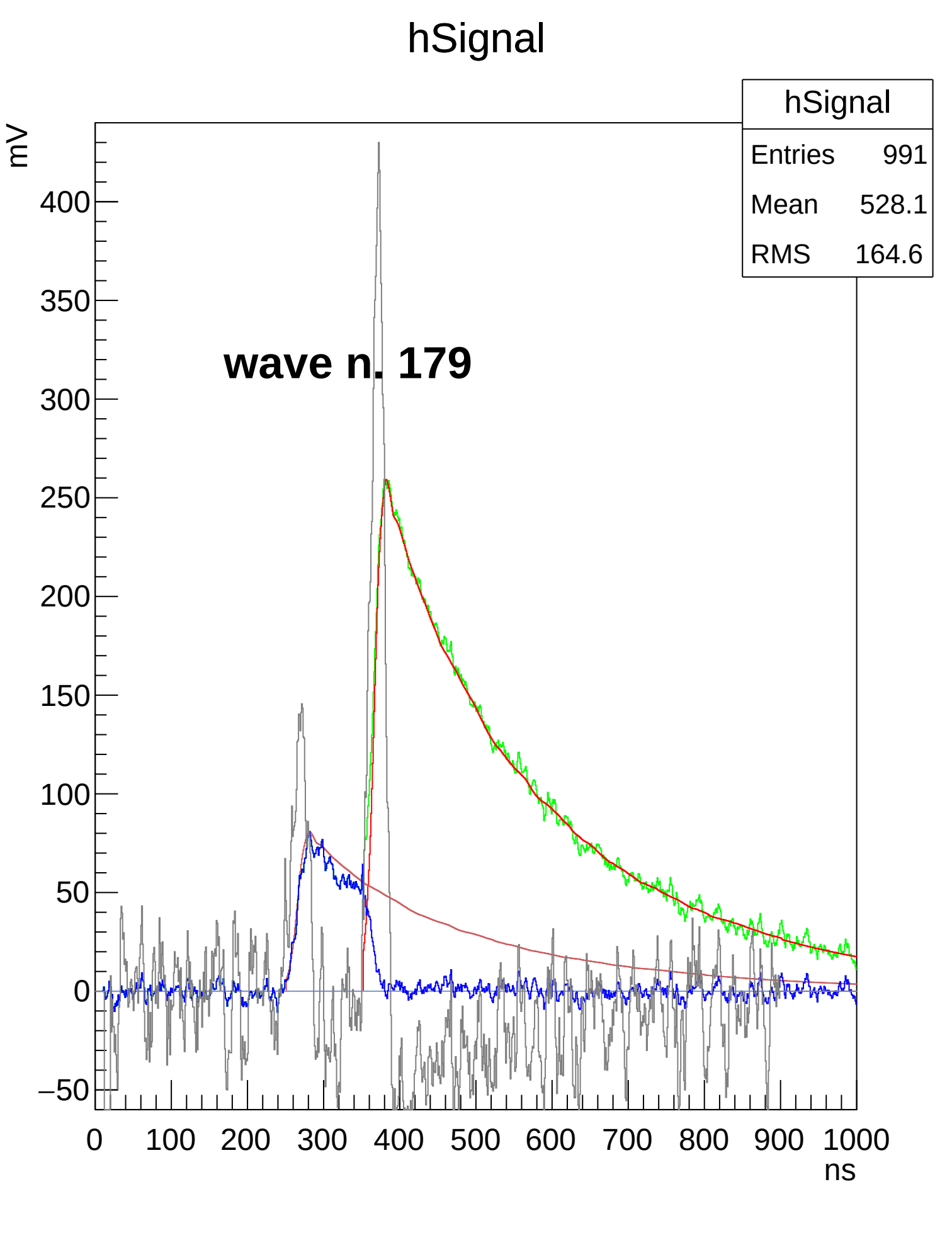

hSignal
hSignal
Entries 991
Mean 454.3
RMS 175.5
wave n. 174
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

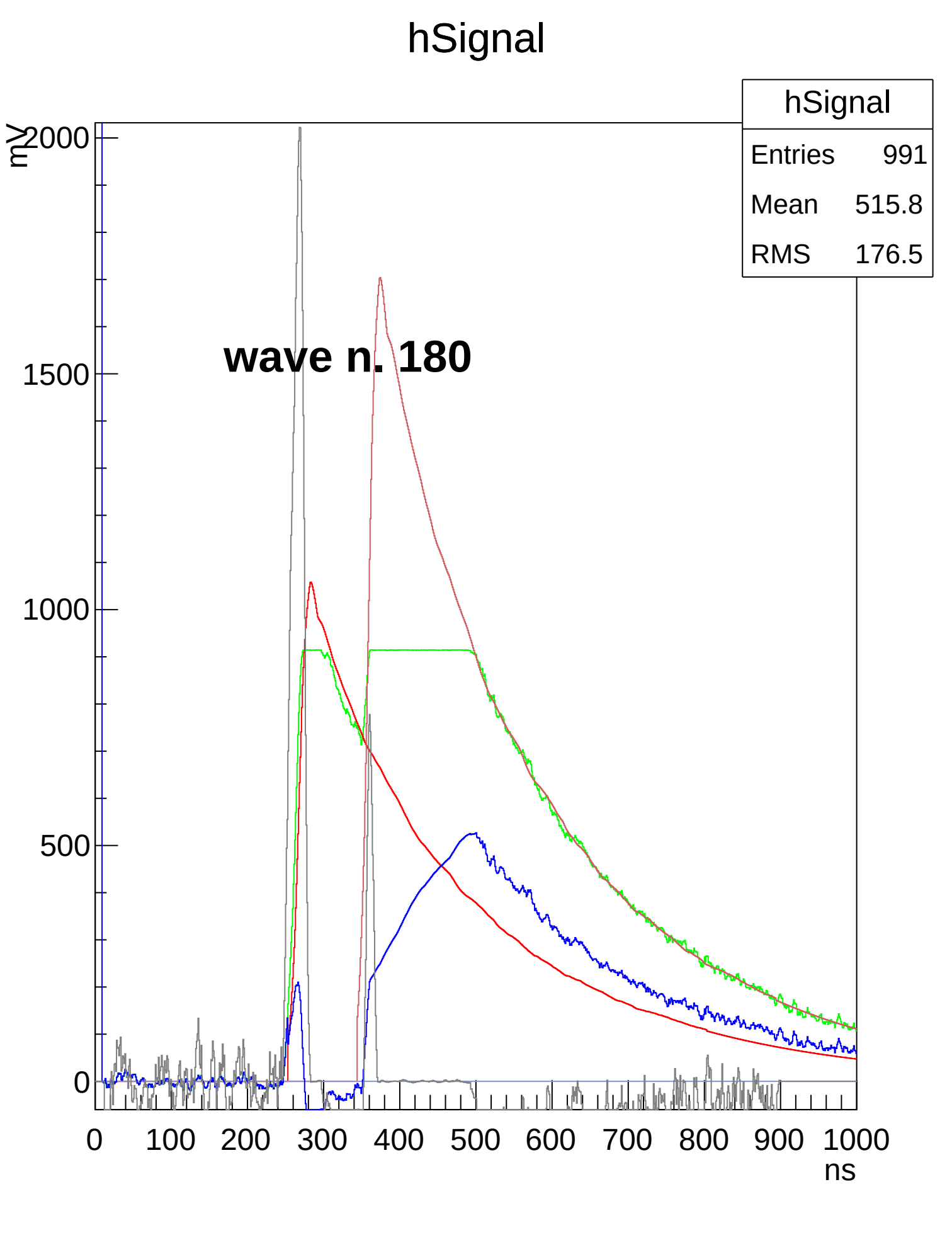

hSignal
hSignal
Entries 991
Mean 483.5
RMS 180.3
wave n. 175
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

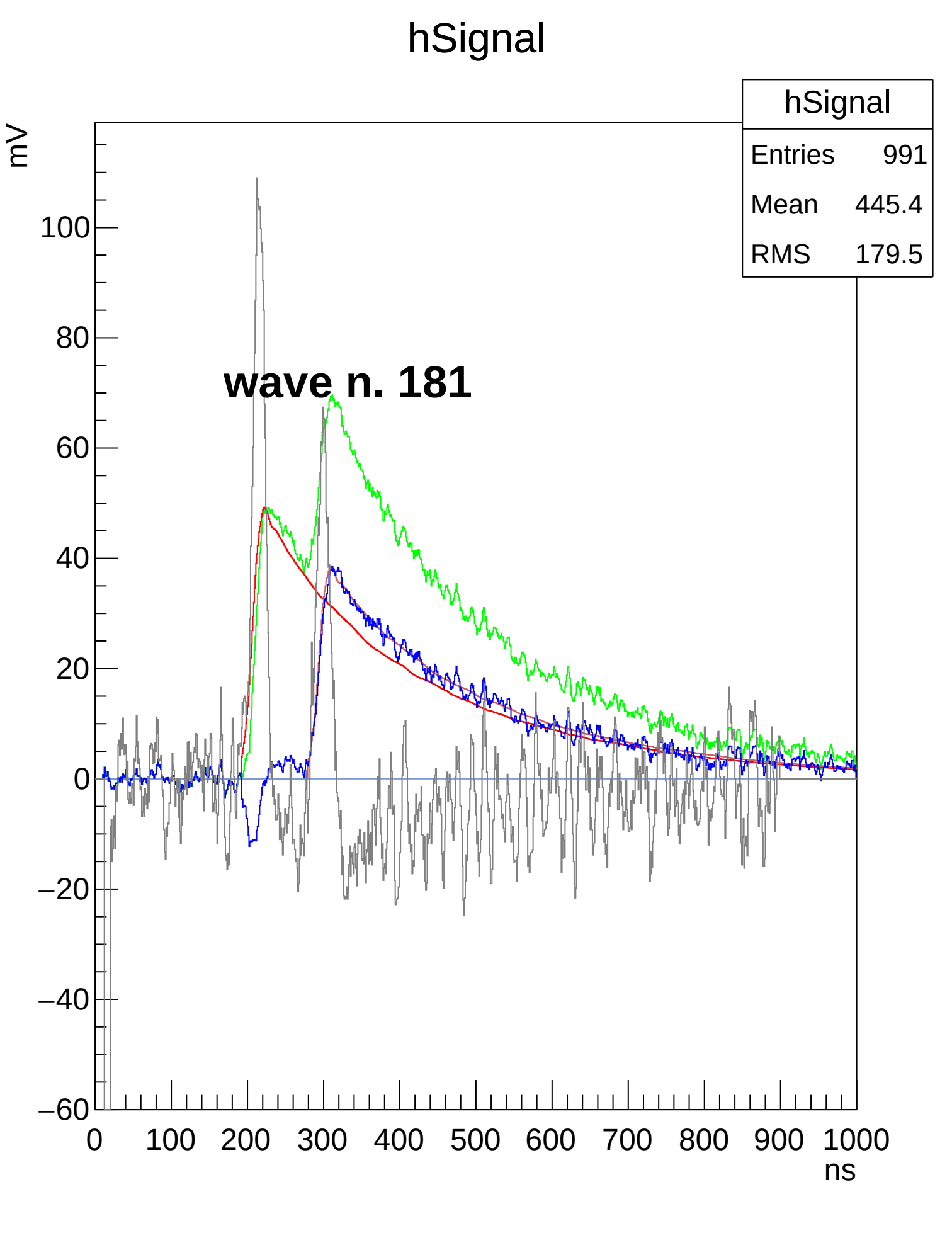

hSignal
hSignal
Entries 991
Mean 472.5
RMS 173
wave n. 176
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

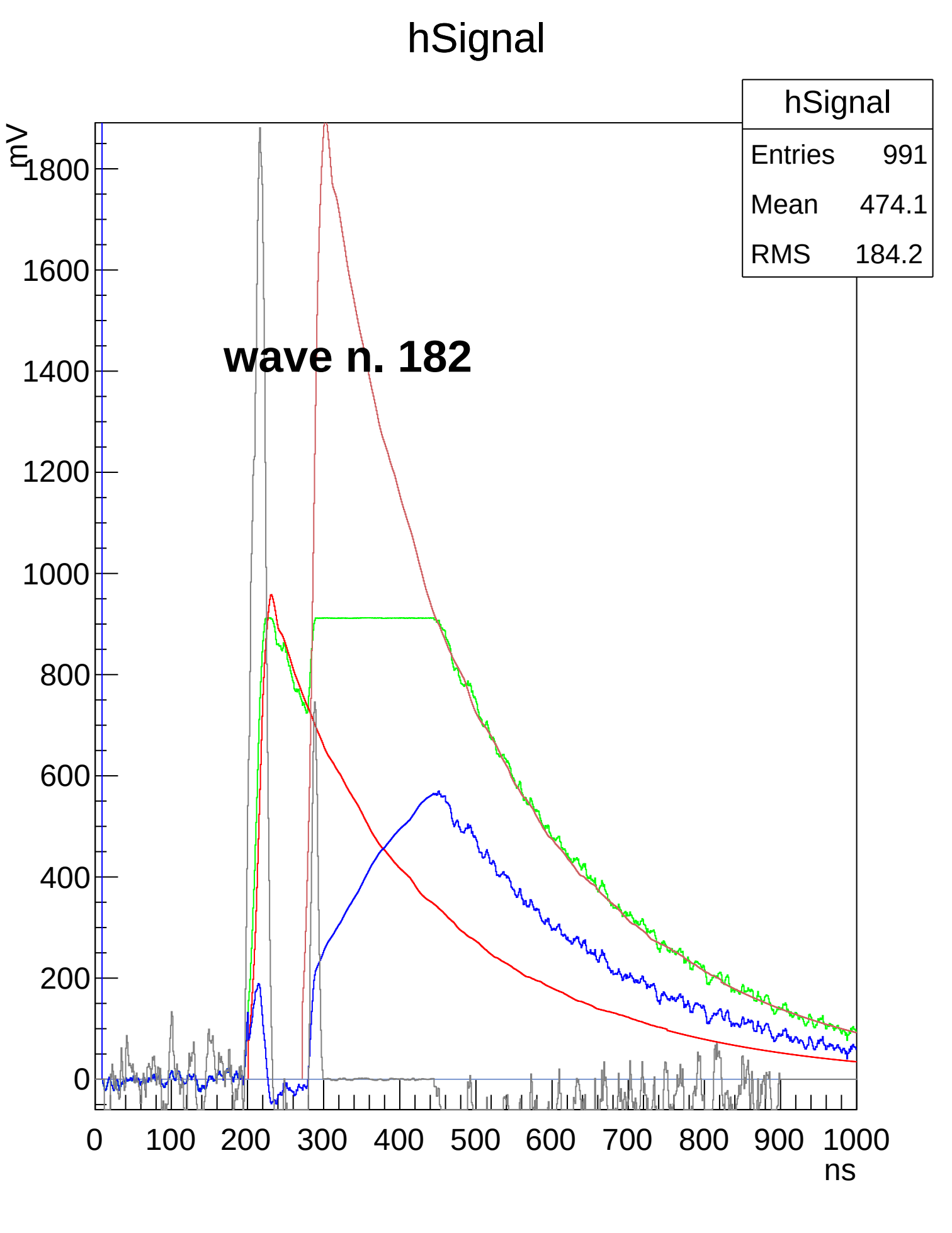

hSignal
hSignal
Entries 991
Mean 512.3
RMS 176.3
wave n. 177
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

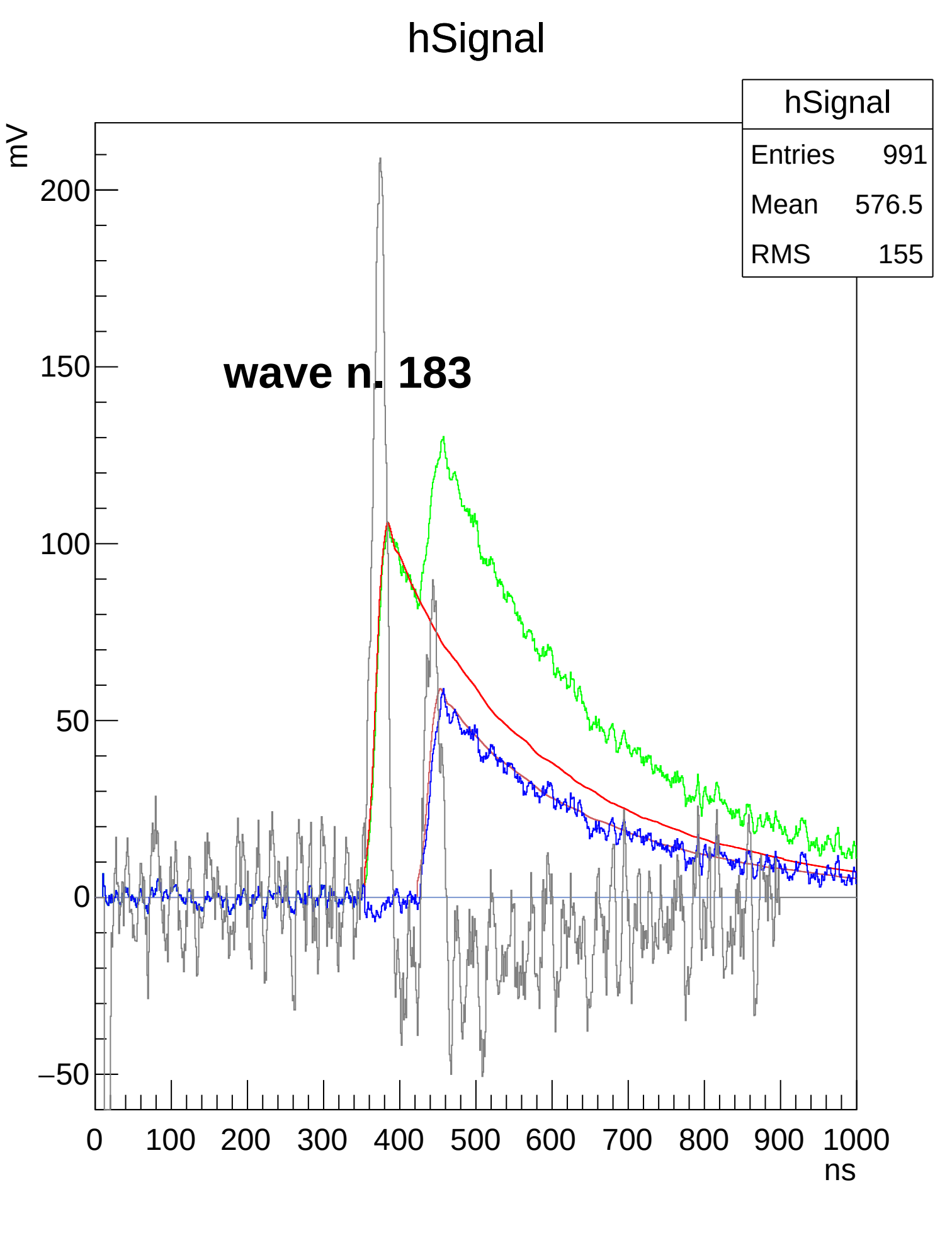

hSignal
hSignal
Entries 991
Mean 485.9
RMS 171.6
wave n. 178
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

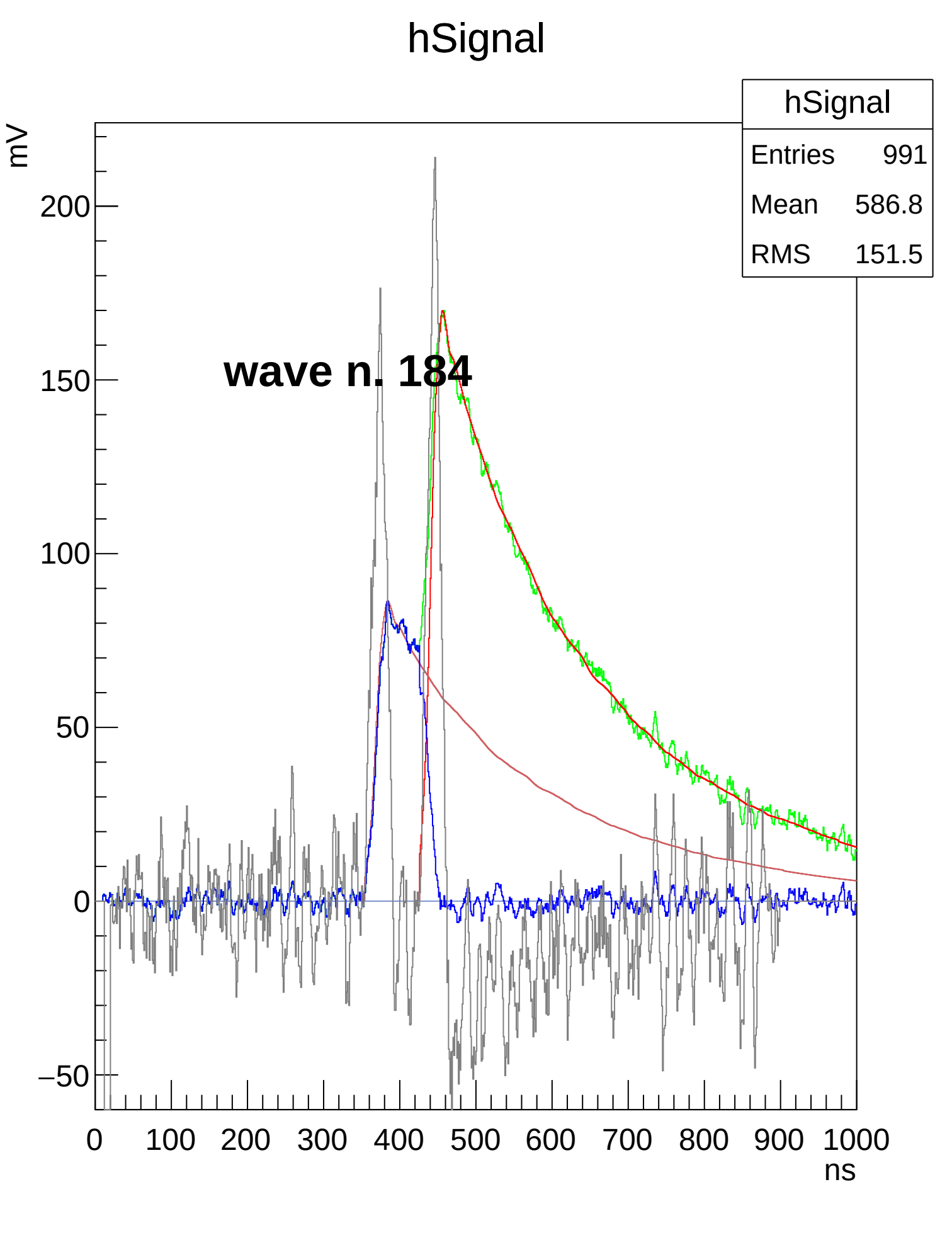

hSignal
hSignal
Entries 991
Mean 528.1
RMS 164.6
wave n. 179
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

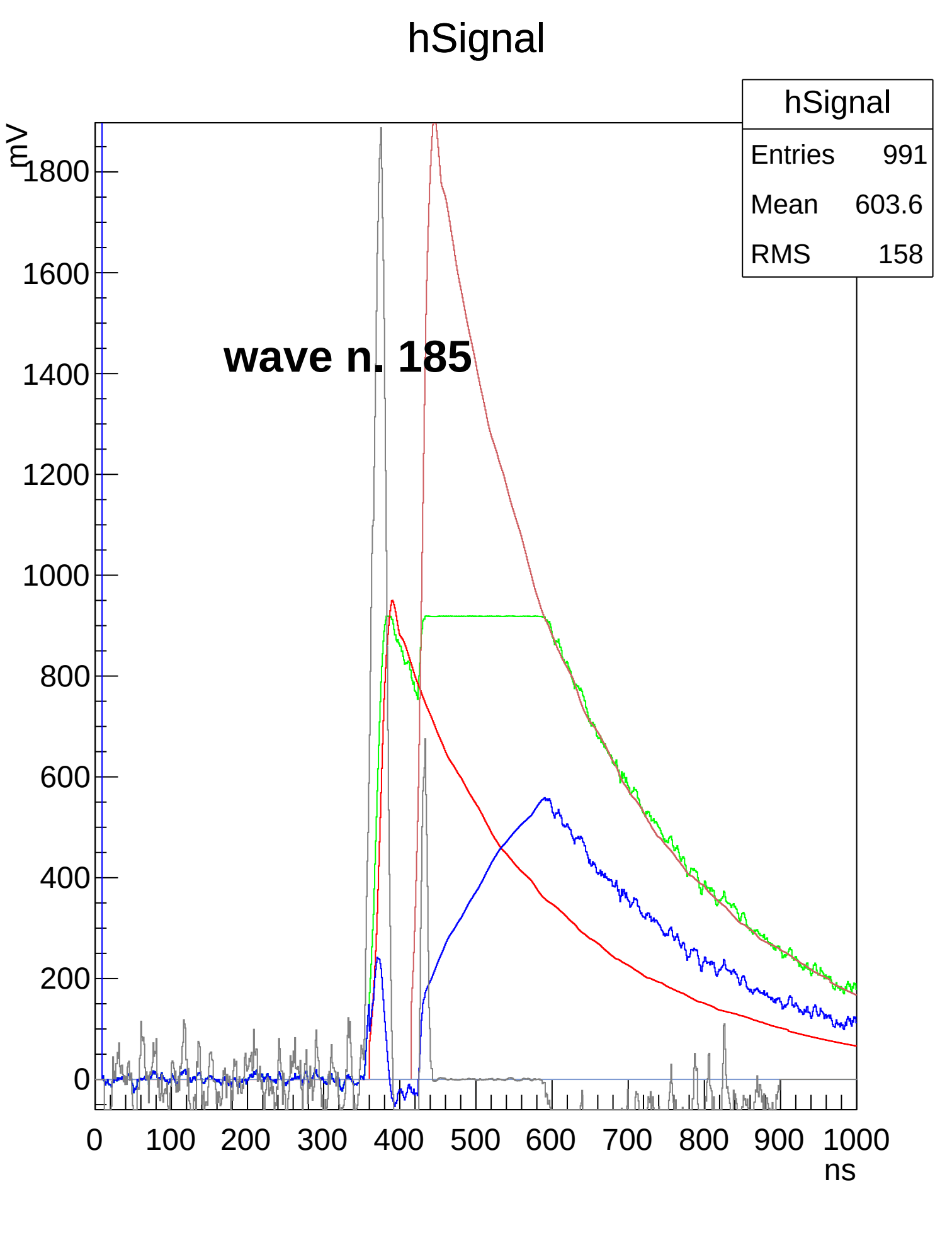

hSignal
hSignal
Entries 991
Mean 515.8
RMS 176.5
wave n. 180
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

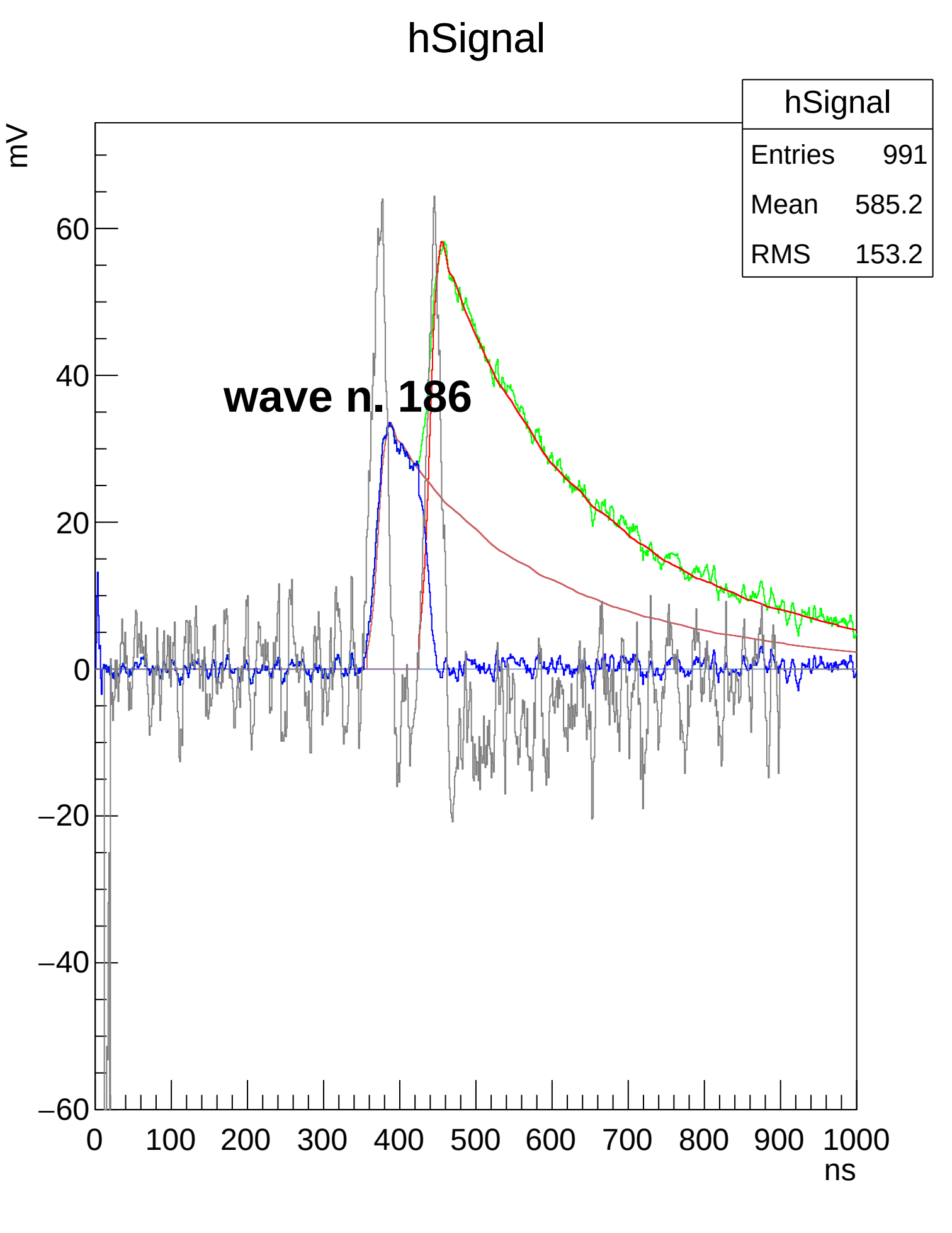

hSignal
hSignal
Entries 991
Mean 445.4
RMS 179.5
wave n. 181
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

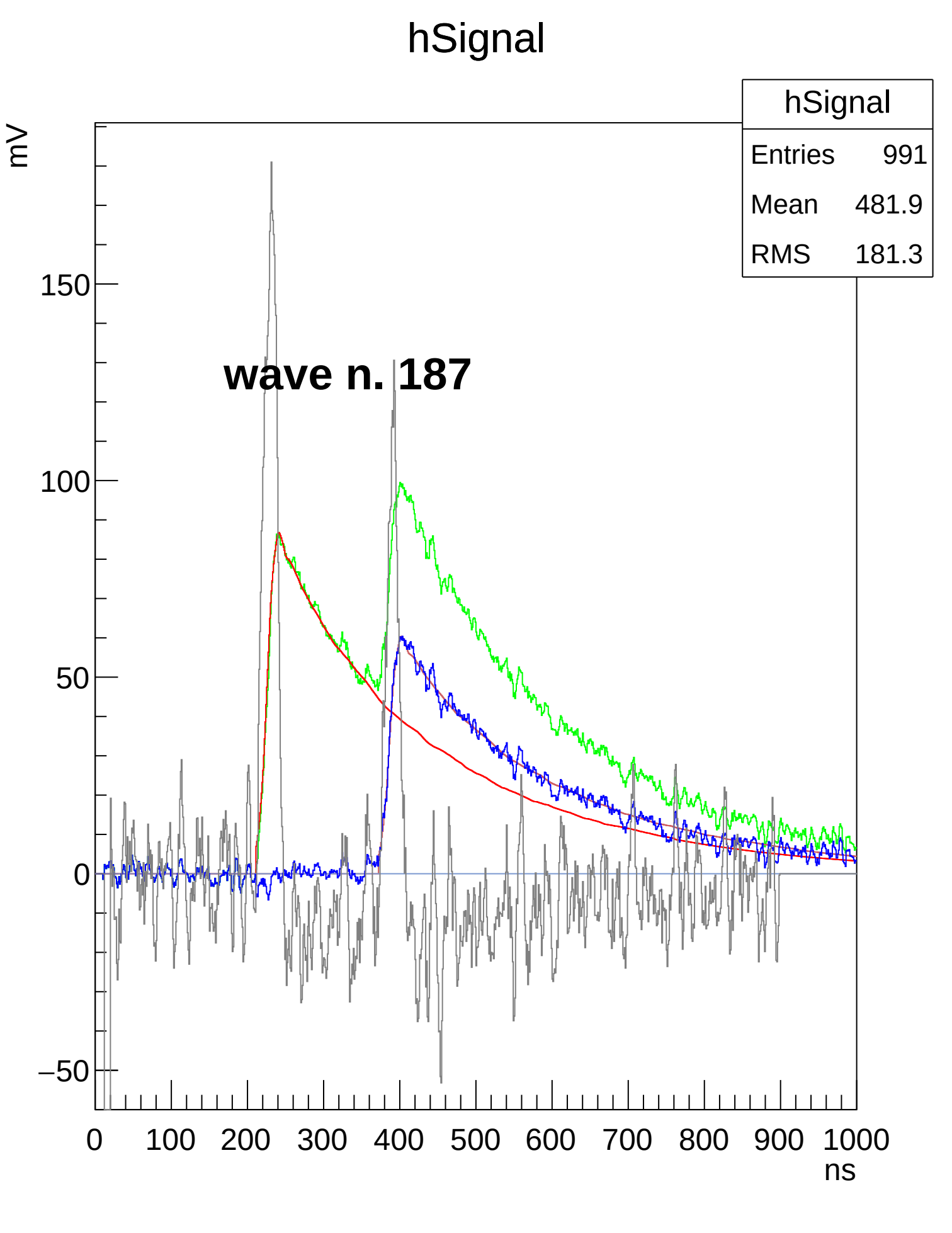

hSignal
hSignal
Entries 991
Mean 474.1
RMS 184.2
wave n. 182
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

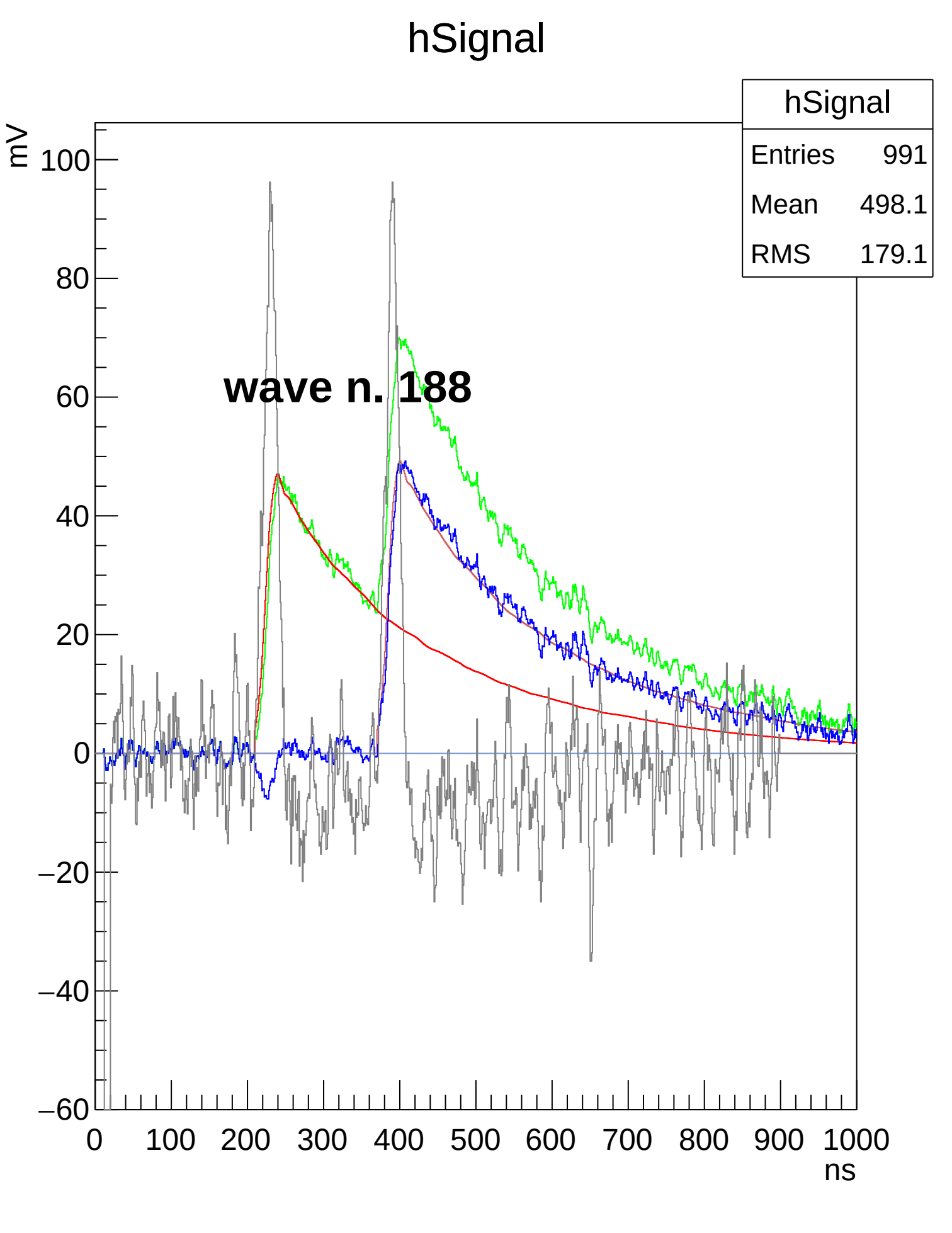

hSignal
hSignal
Entries 991
Mean 576.5
RMS 155
wave n. 183
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

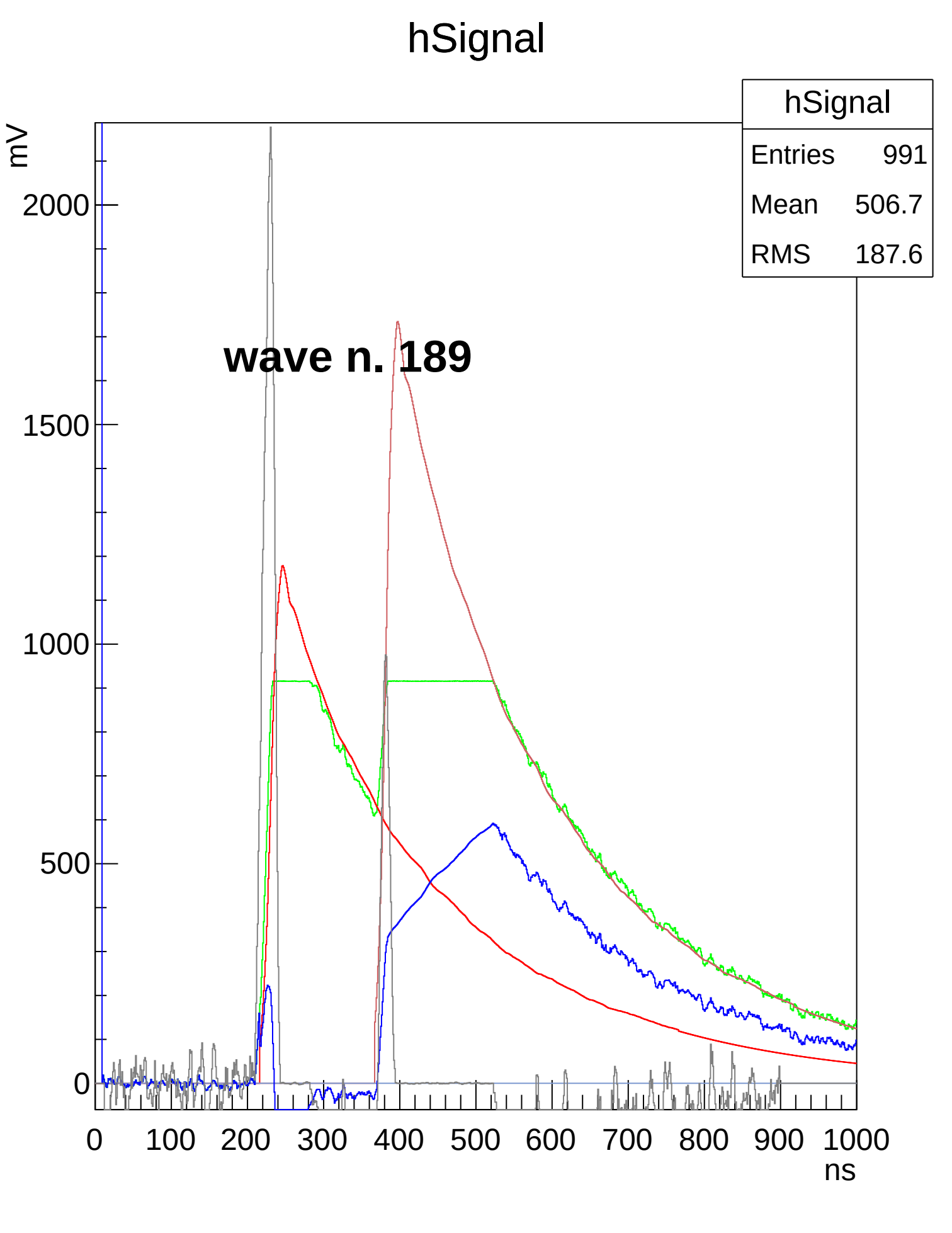

hSignal
hSignal
Entries 991
Mean 586.8
RMS 151.5
wave n. 184
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

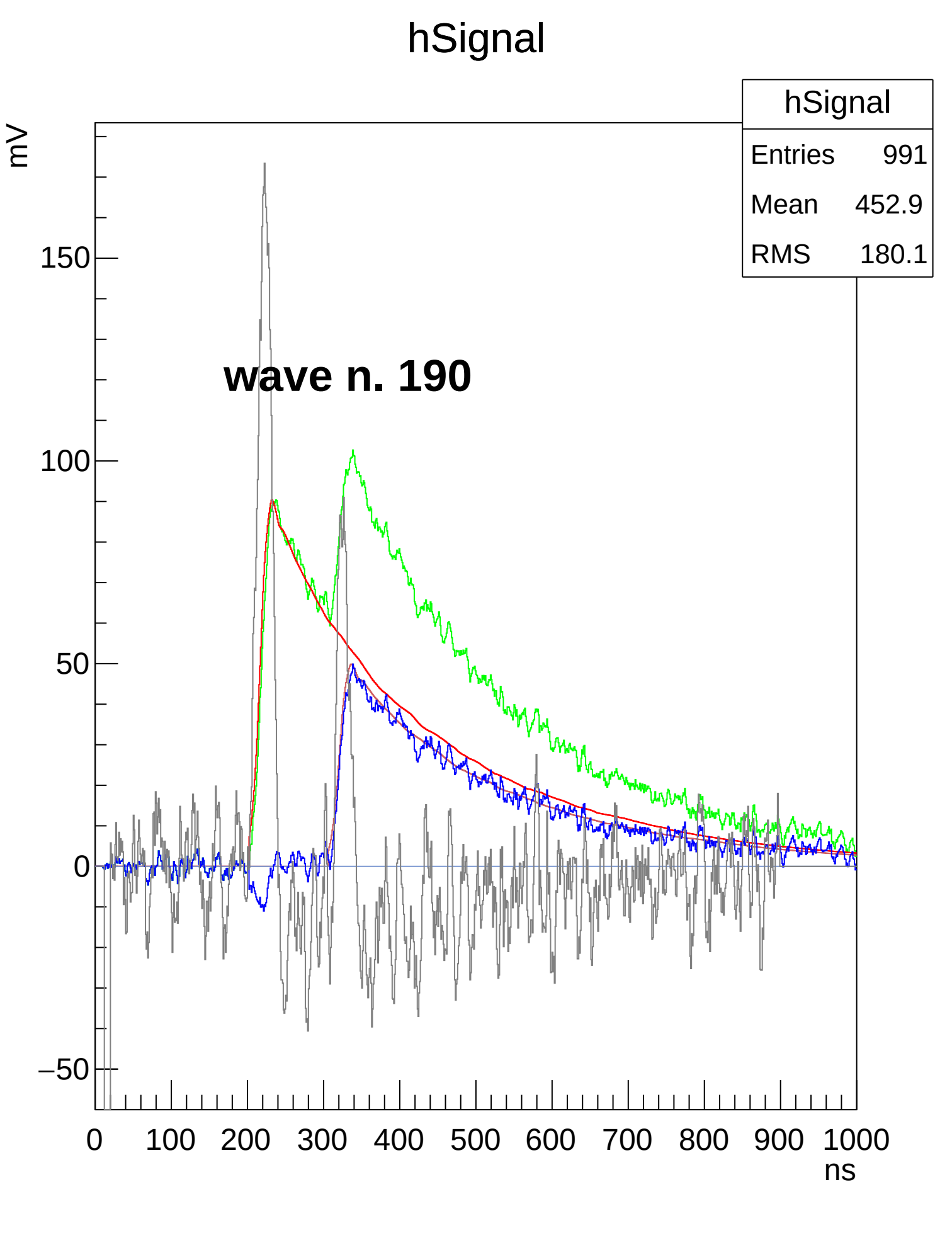

hSignal
hSignal
Entries 991
Mean 603.6
RMS 158
wave n. 185
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

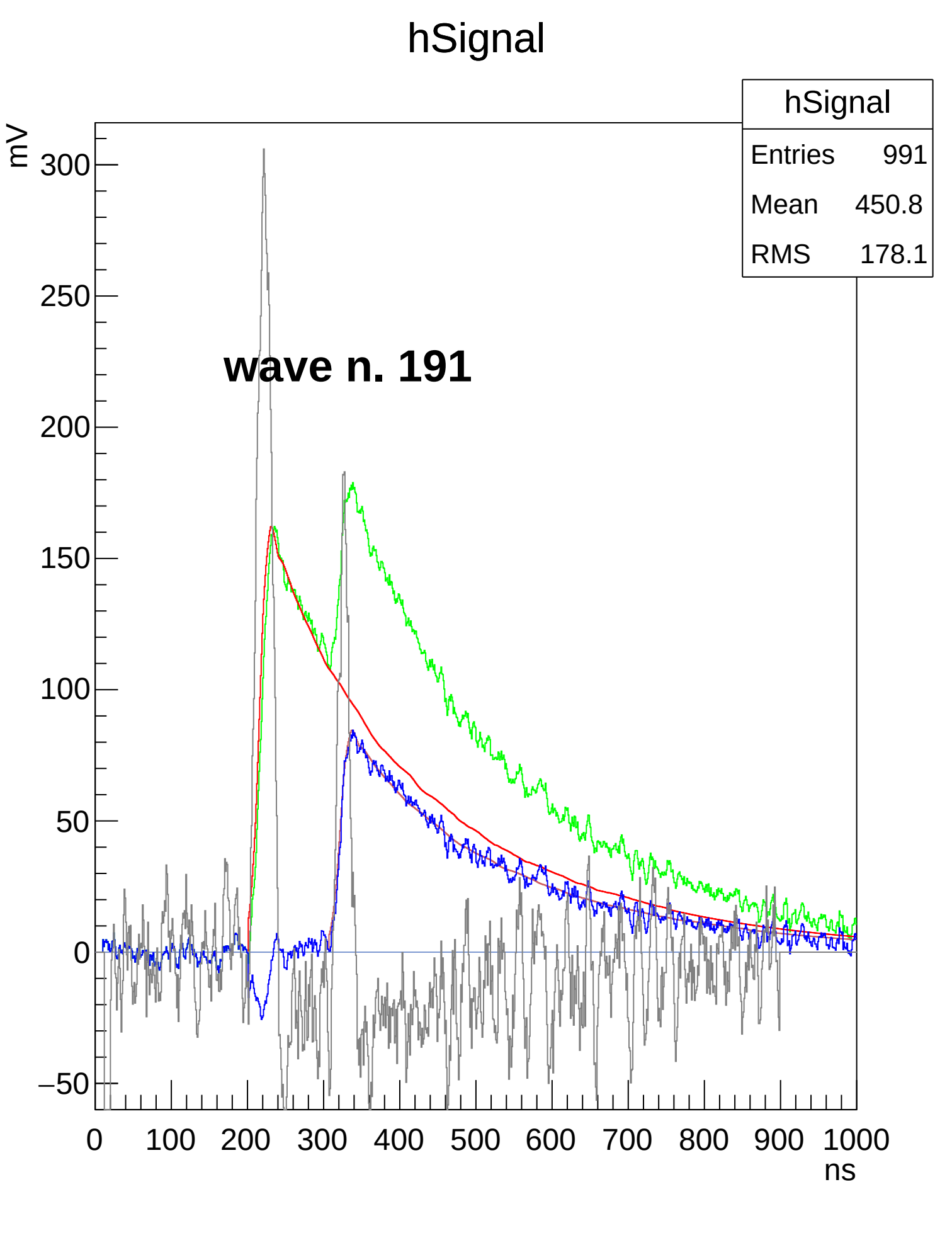

hSignal
hSignal
Entries 991
Mean 585.2
RMS 153.2
wave n. 186
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

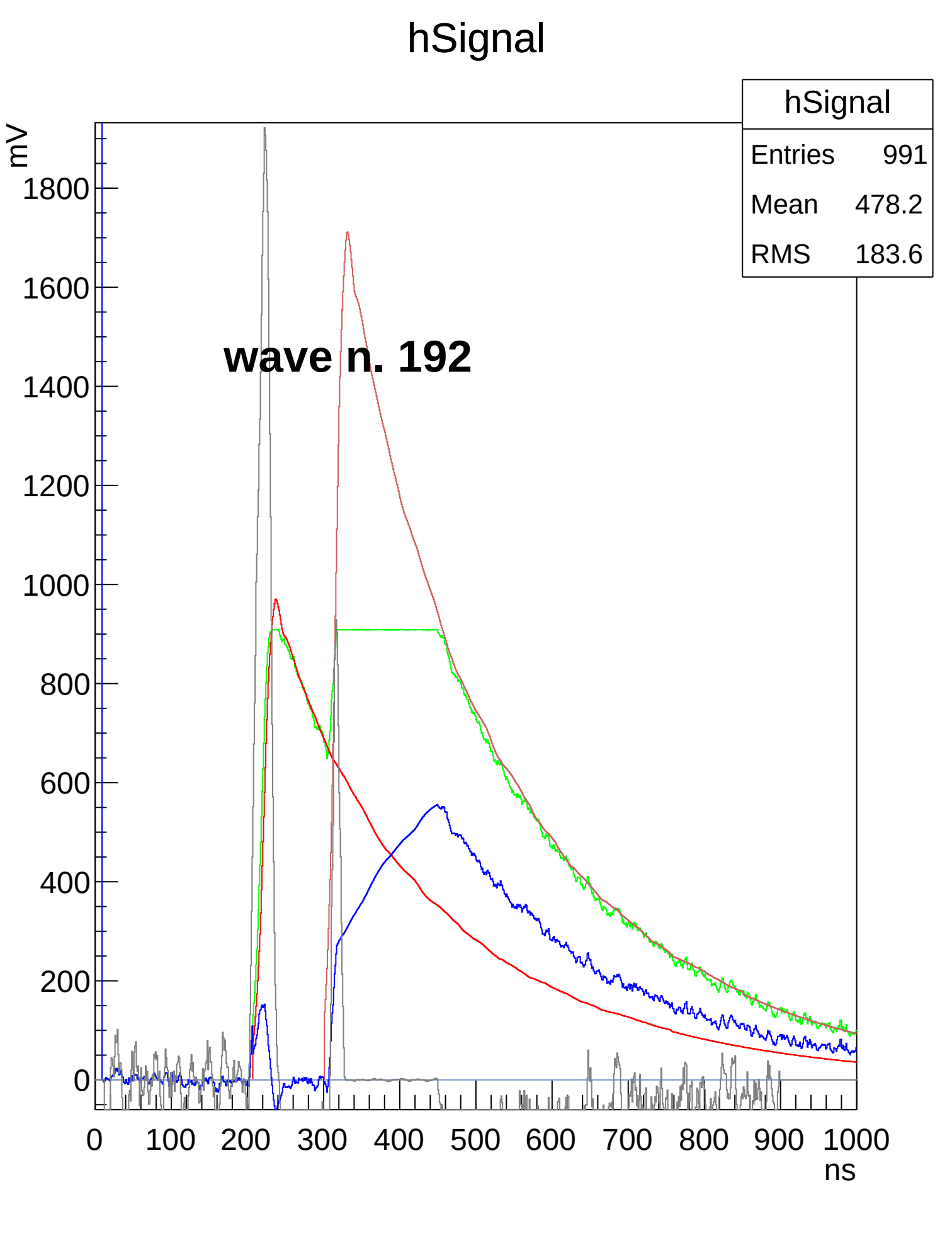

hSignal
hSignal
Entries 991
Mean 481.9
RMS 181.3
wave n. 187
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

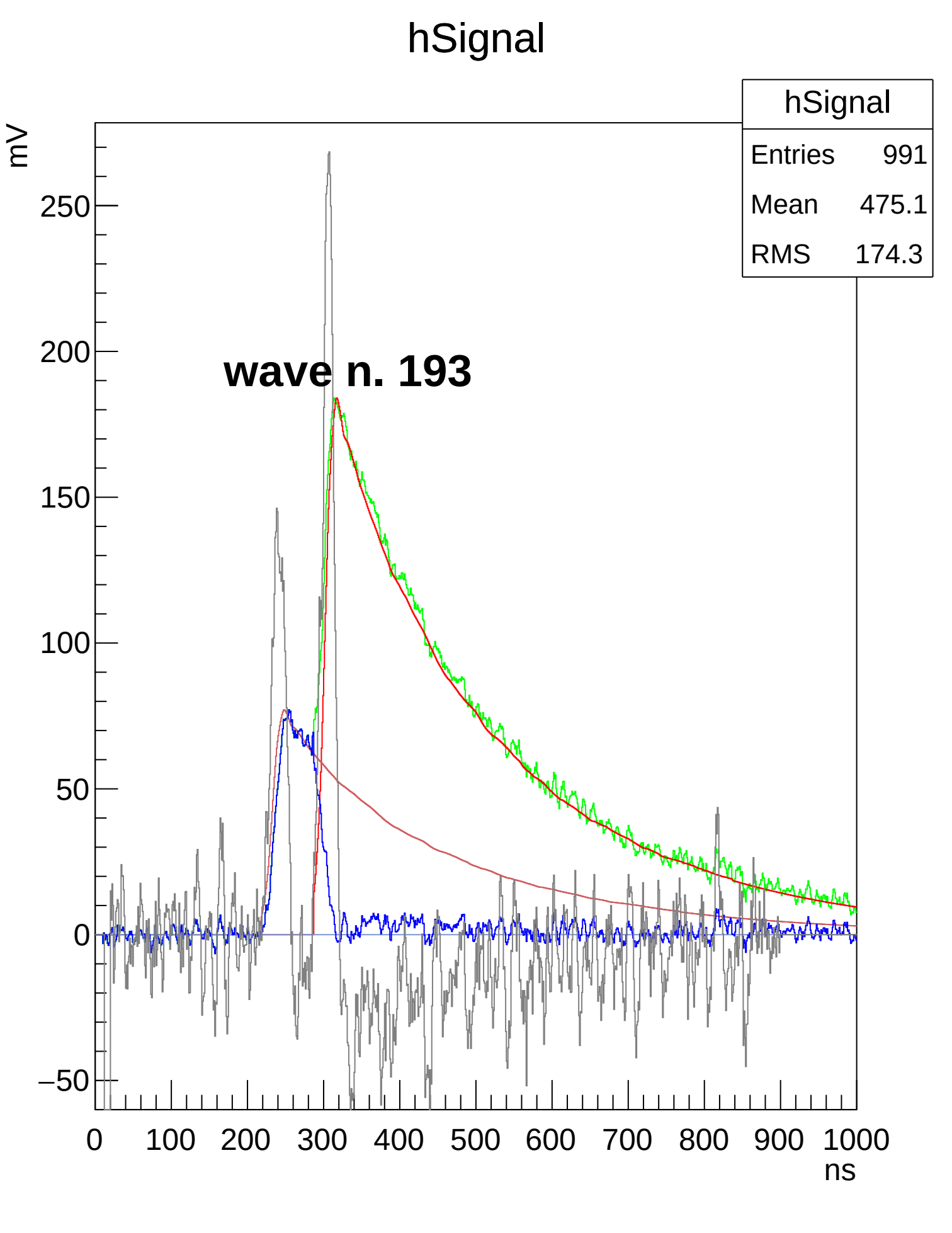

hSignal
hSignal
Entries 991
Mean 498.1
RMS 179.1
wave n. 188
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

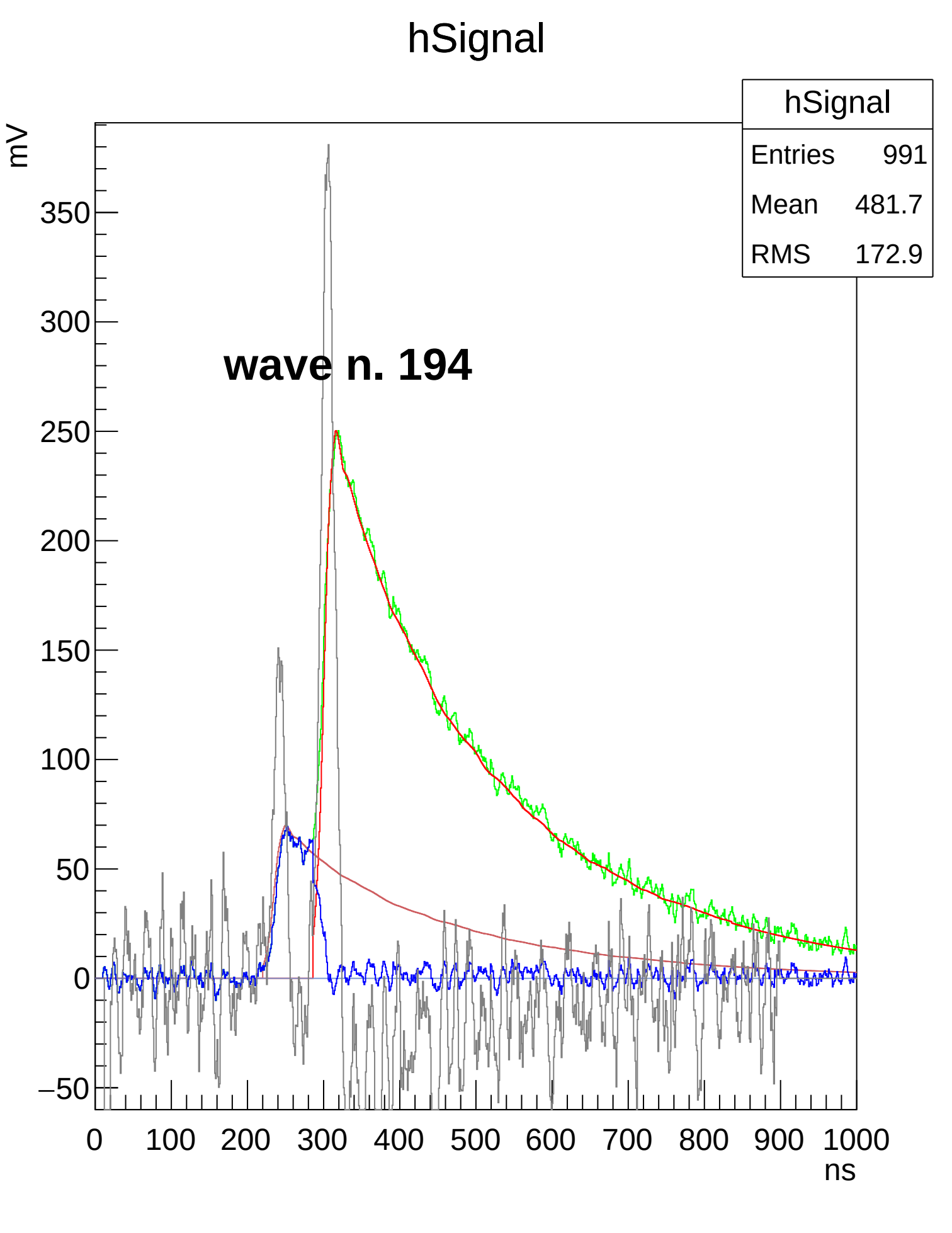

hSignal
hSignal
Entries 991
Mean 506.7
RMS 187.6
wave n. 189
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

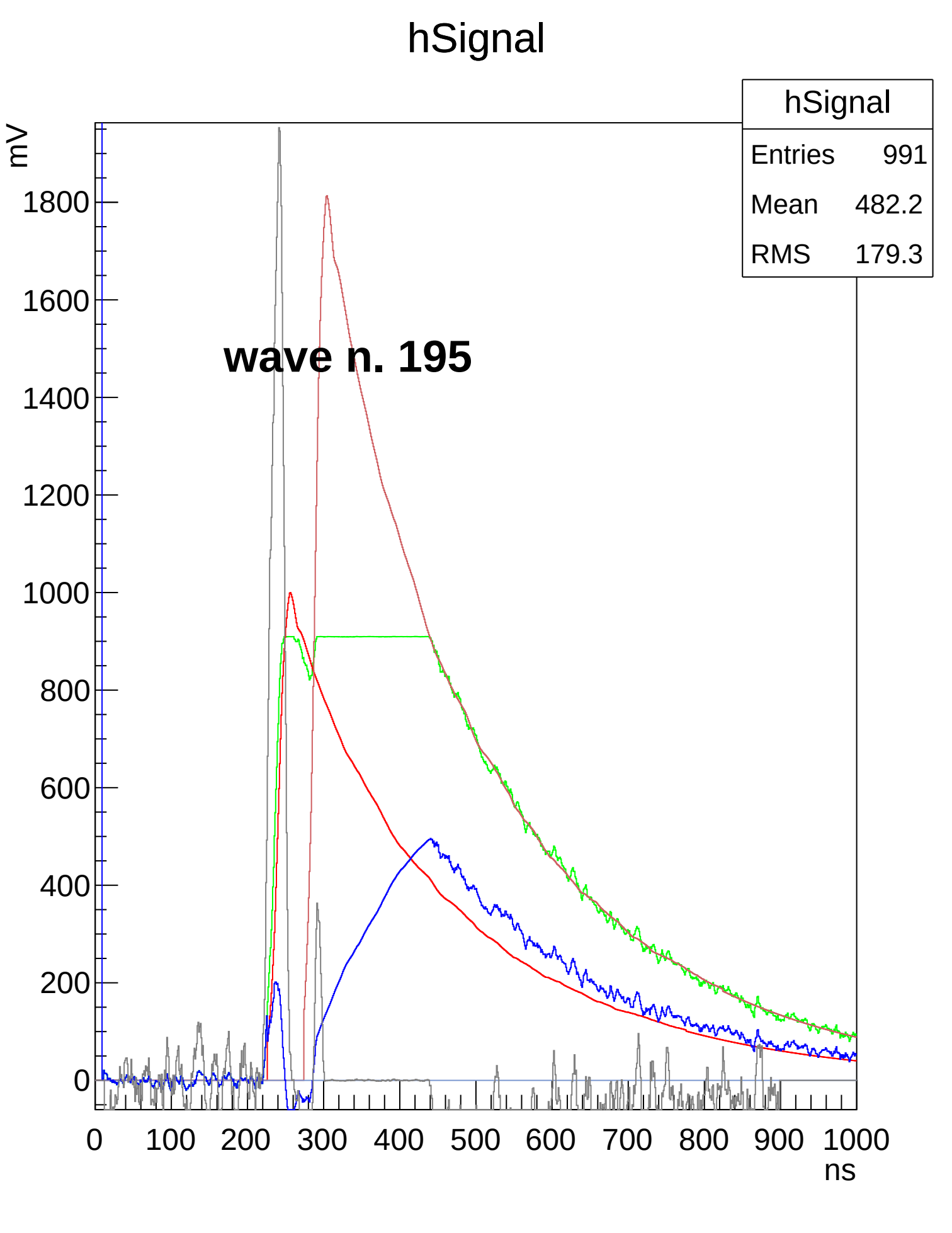

hSignal
hSignal
Entries 991
Mean 452.9
RMS 180.1
wave n. 190
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

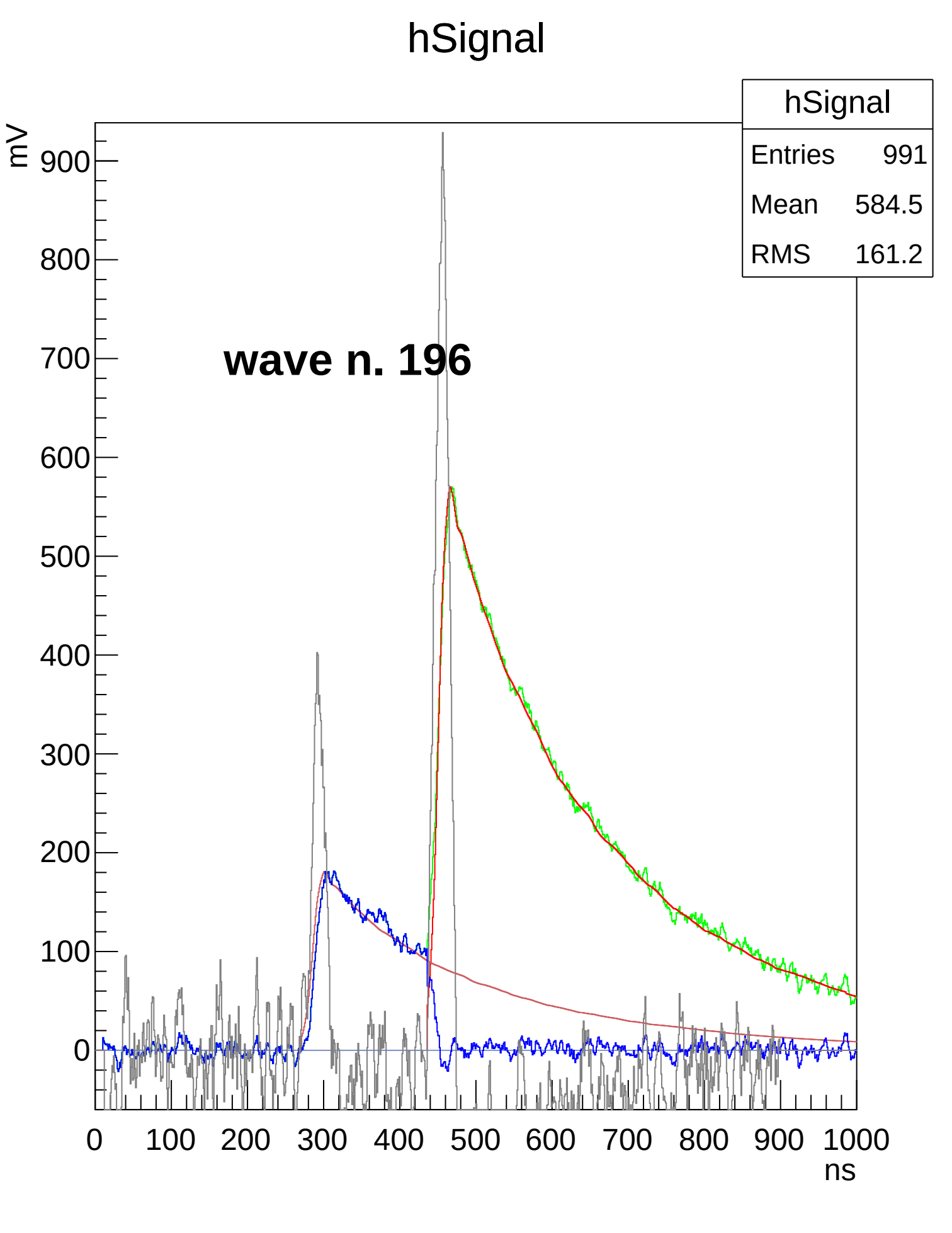

hSignal
hSignal
Entries 991
Mean 450.8
RMS 178.1
wave n. 191
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

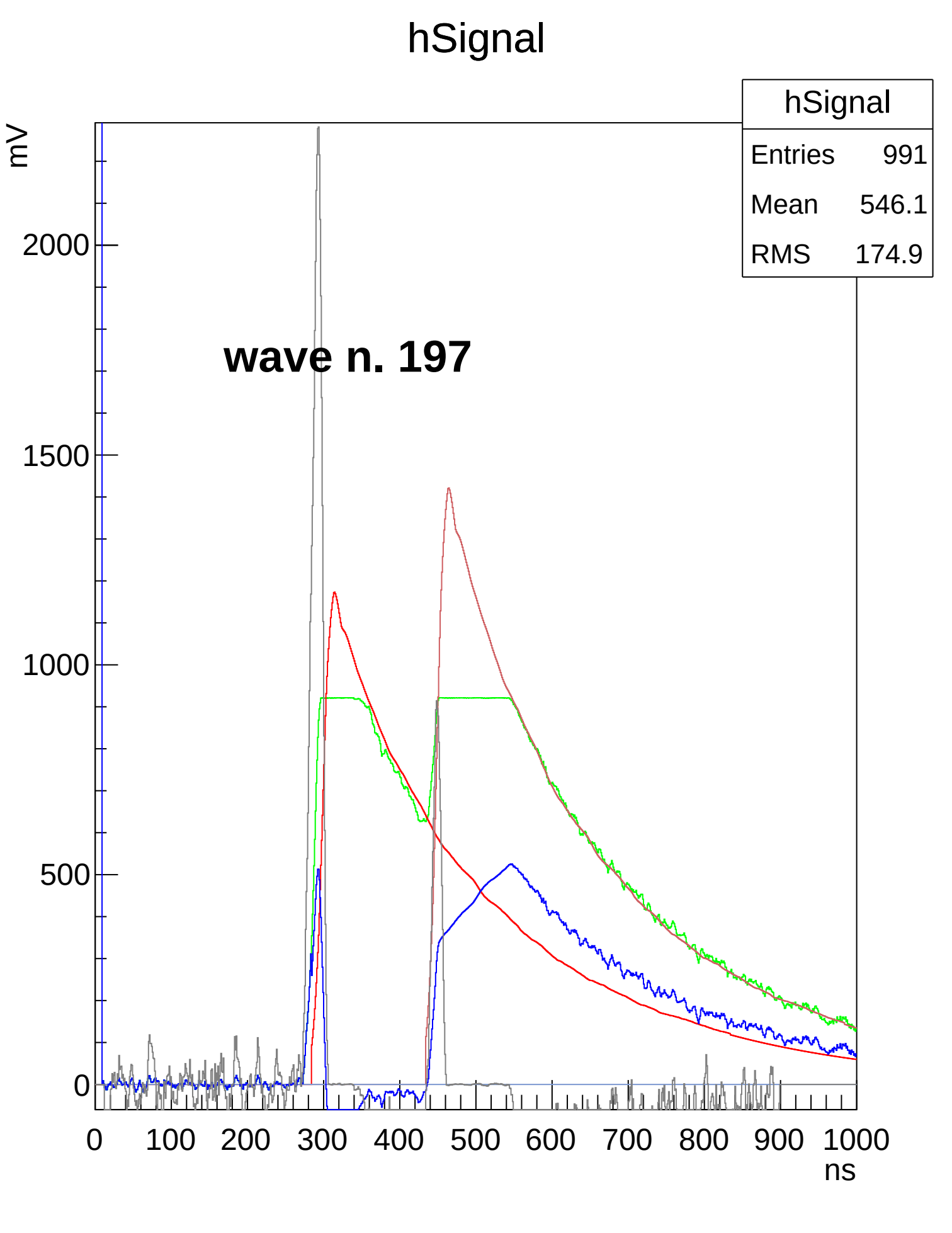

hSignal
hSignal
Entries 991
Mean 478.2
RMS 183.6
wave n. 192
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

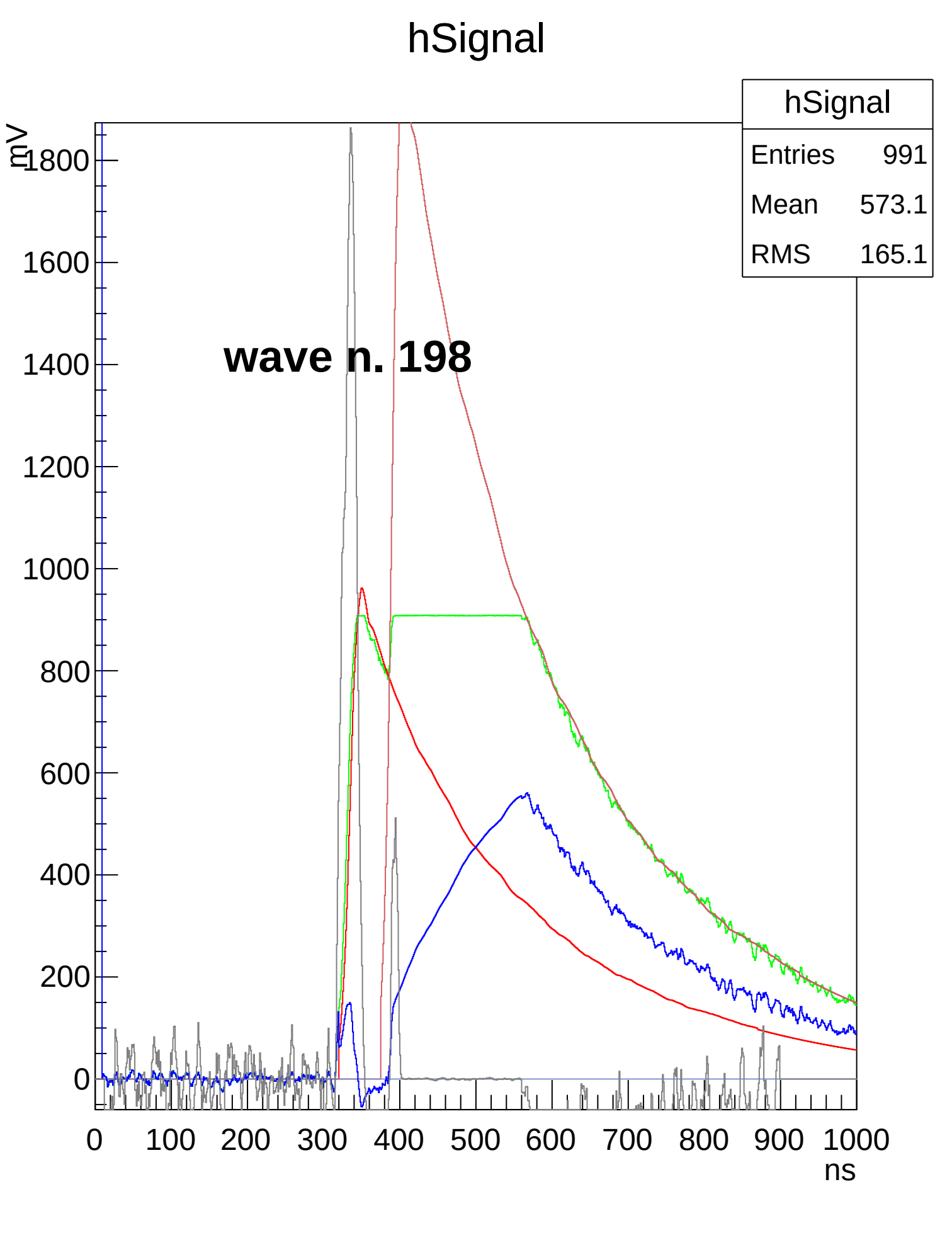

hSignal
hSignal
Entries 991
Mean 475.1
RMS 174.3
wave n. 193
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

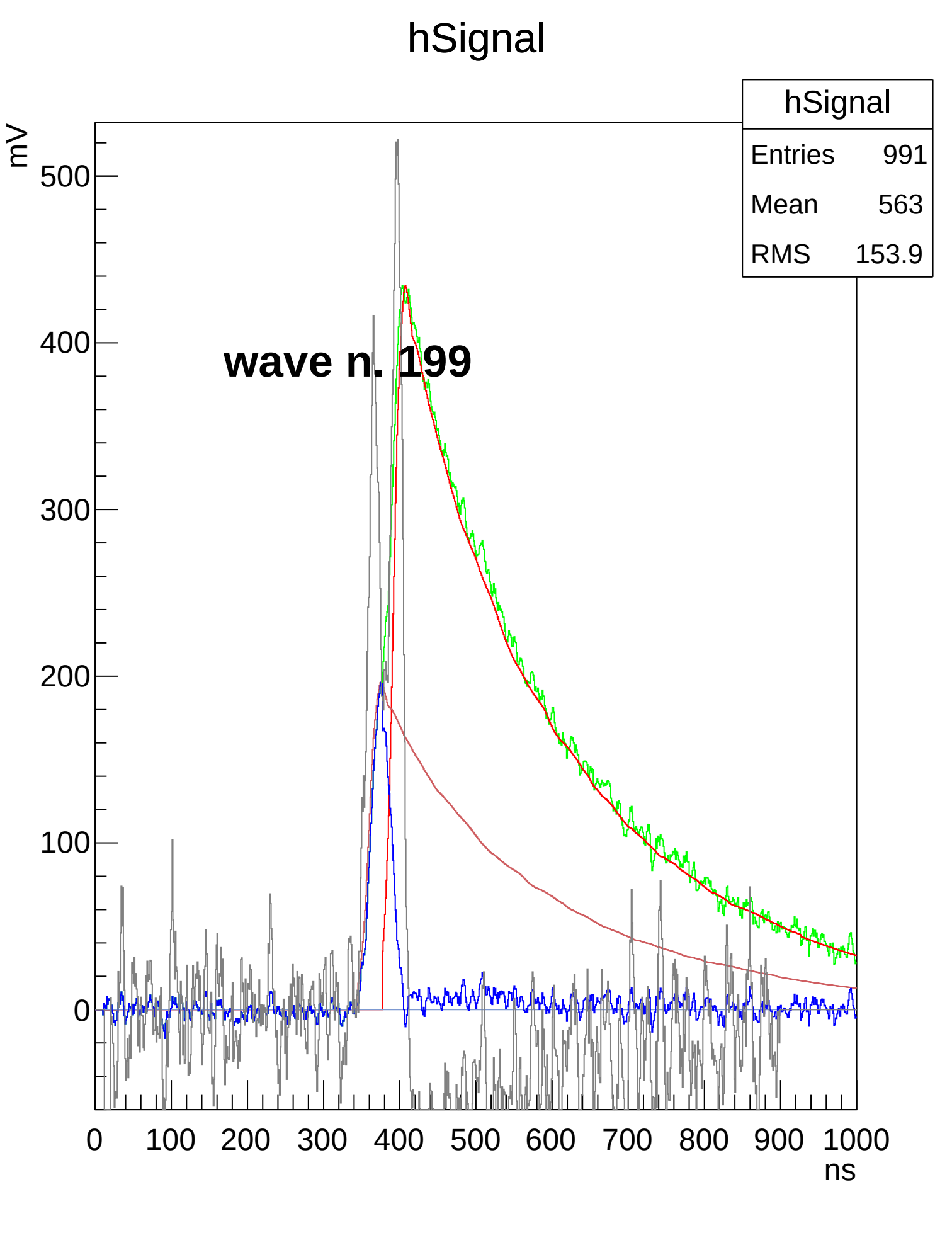

hSignal
hSignal
Entries 991
Mean 481.7
RMS 172.9
wave n. 194
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

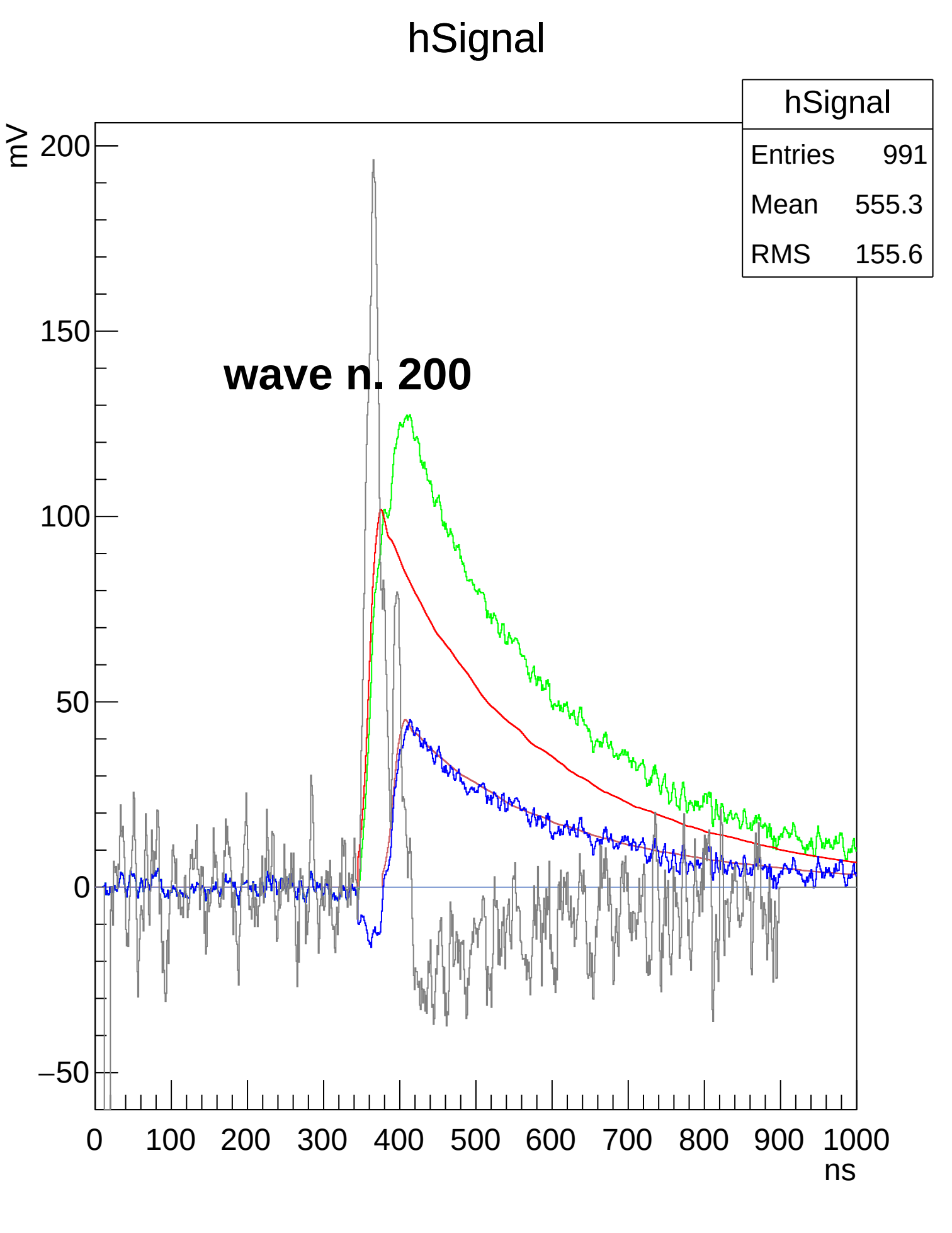

hSignal
hSignal
Entries 991
Mean 482.2
RMS 179.3
wave n. 195
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

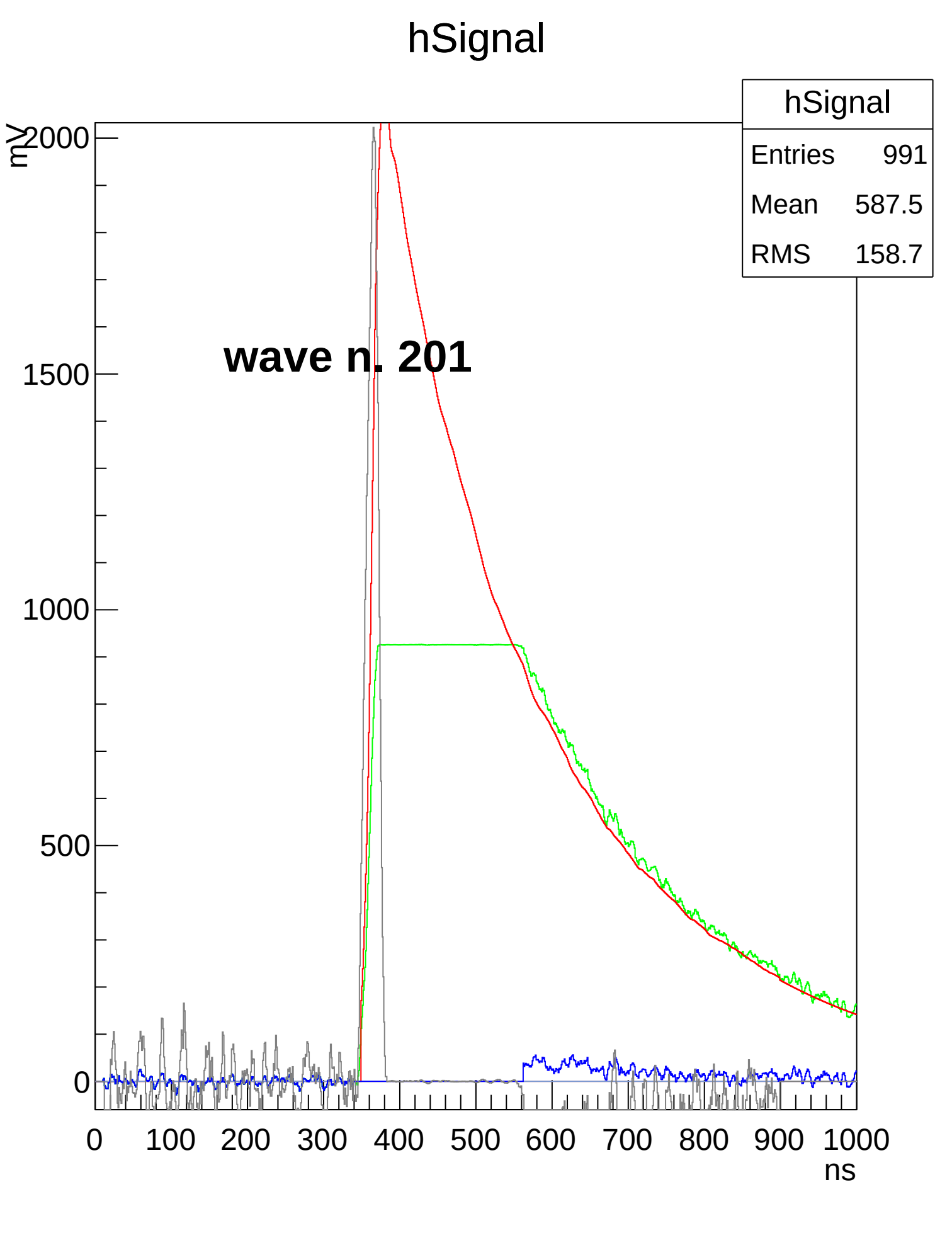

hSignal
hSignal
Entries 991
Mean 584.5
RMS 161.2
wave n. 196
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

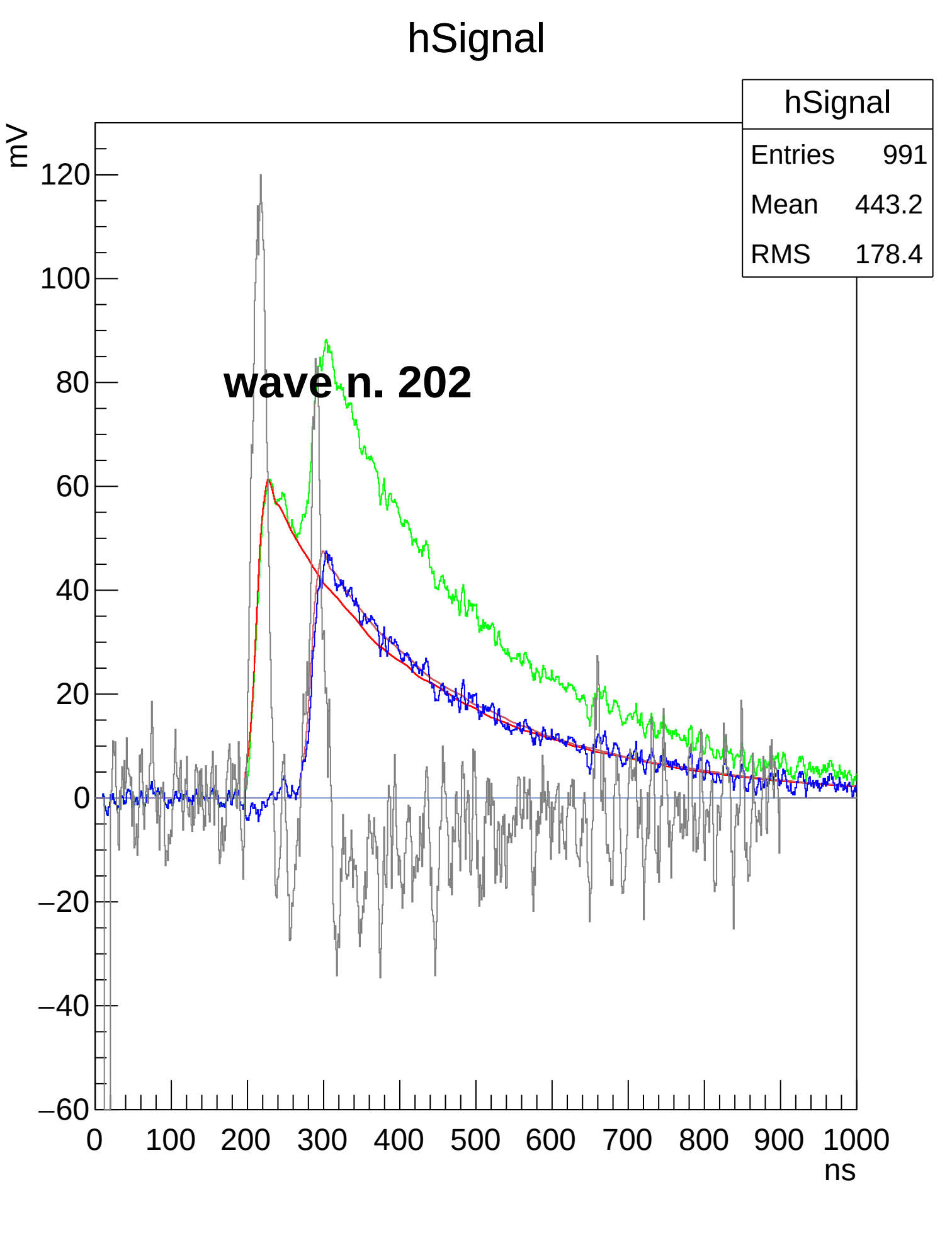

hSignal
hSignal
Entries 991
Mean 546.1
RMS 174.9
wave n. 197
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

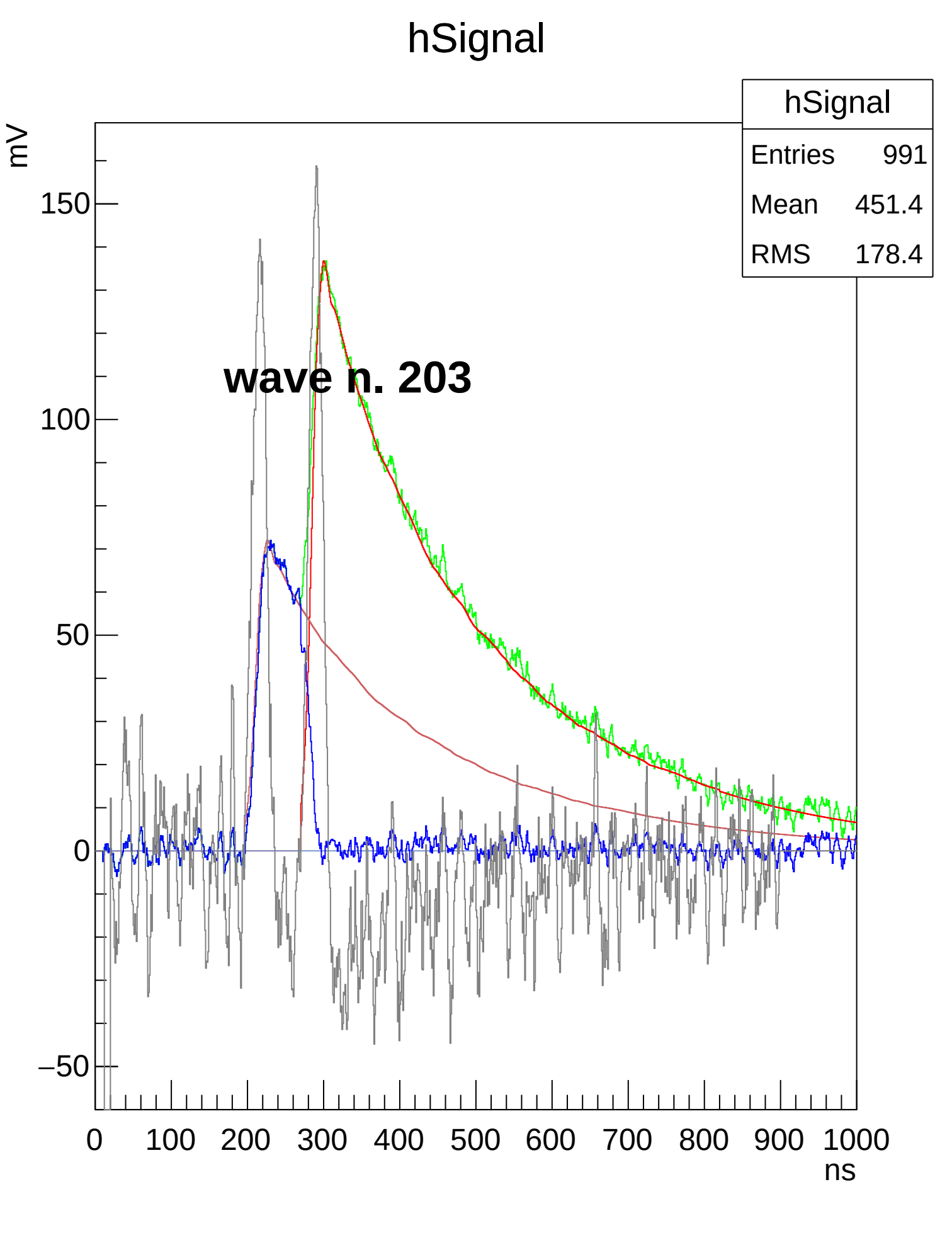

hSignal
hSignal
Entries 991
Mean 573.1
RMS 165.1
wave n. 198
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

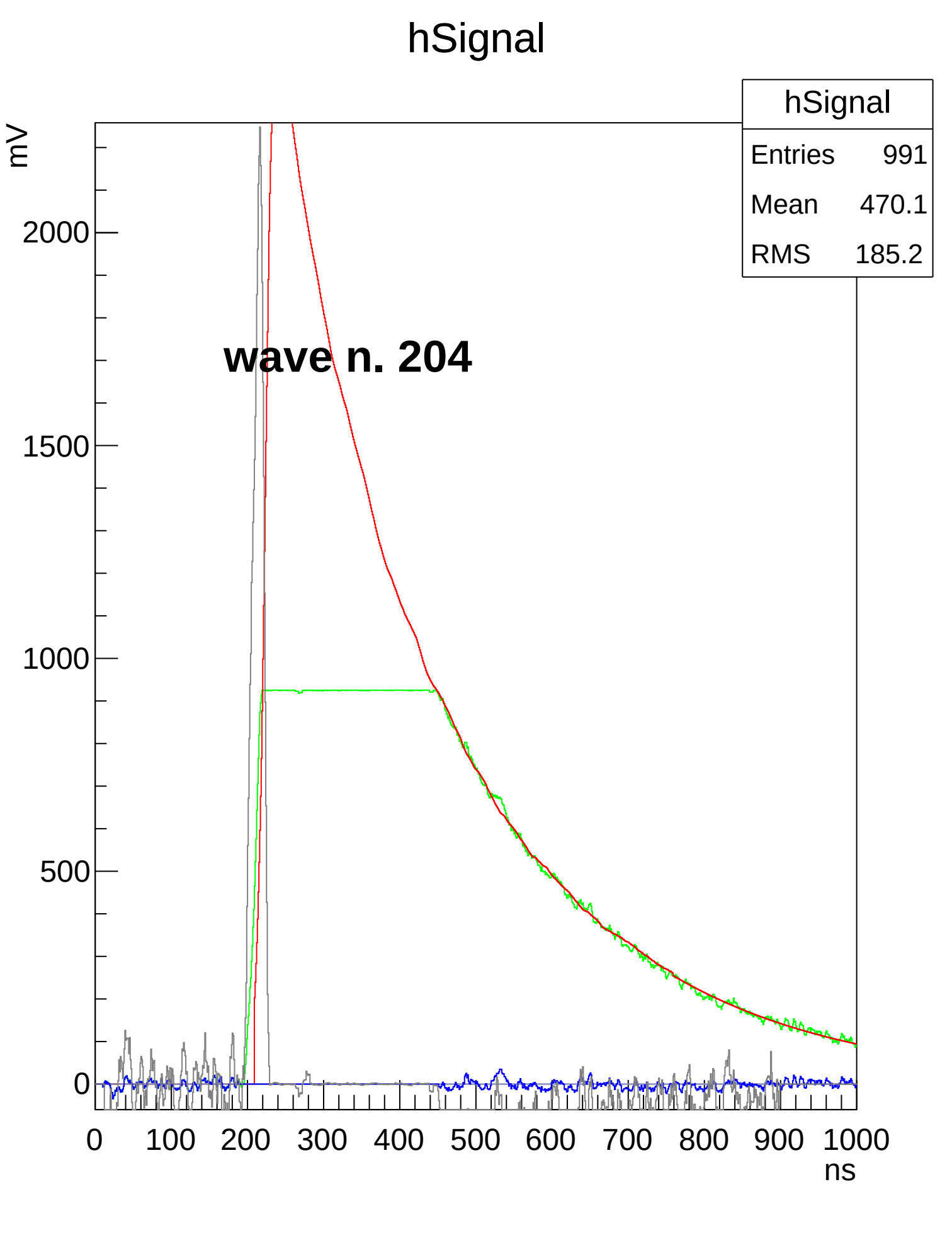

hSignal
hSignal
Entries 991
Mean 563
RMS 153.9
wave n. 199
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

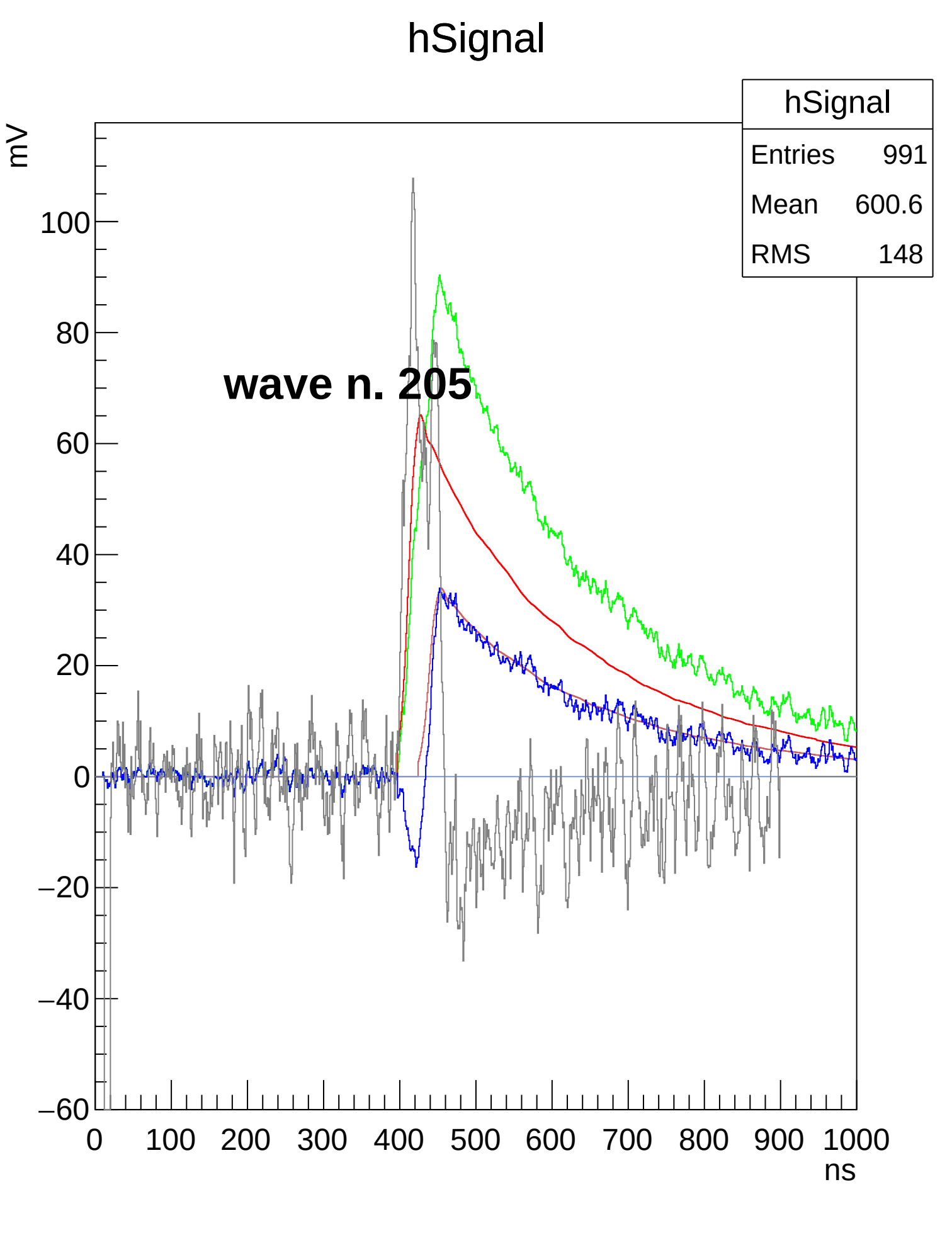

hSignal
hSignal
Entries 991
Mean 555.3
RMS 155.6
wave n. 200
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

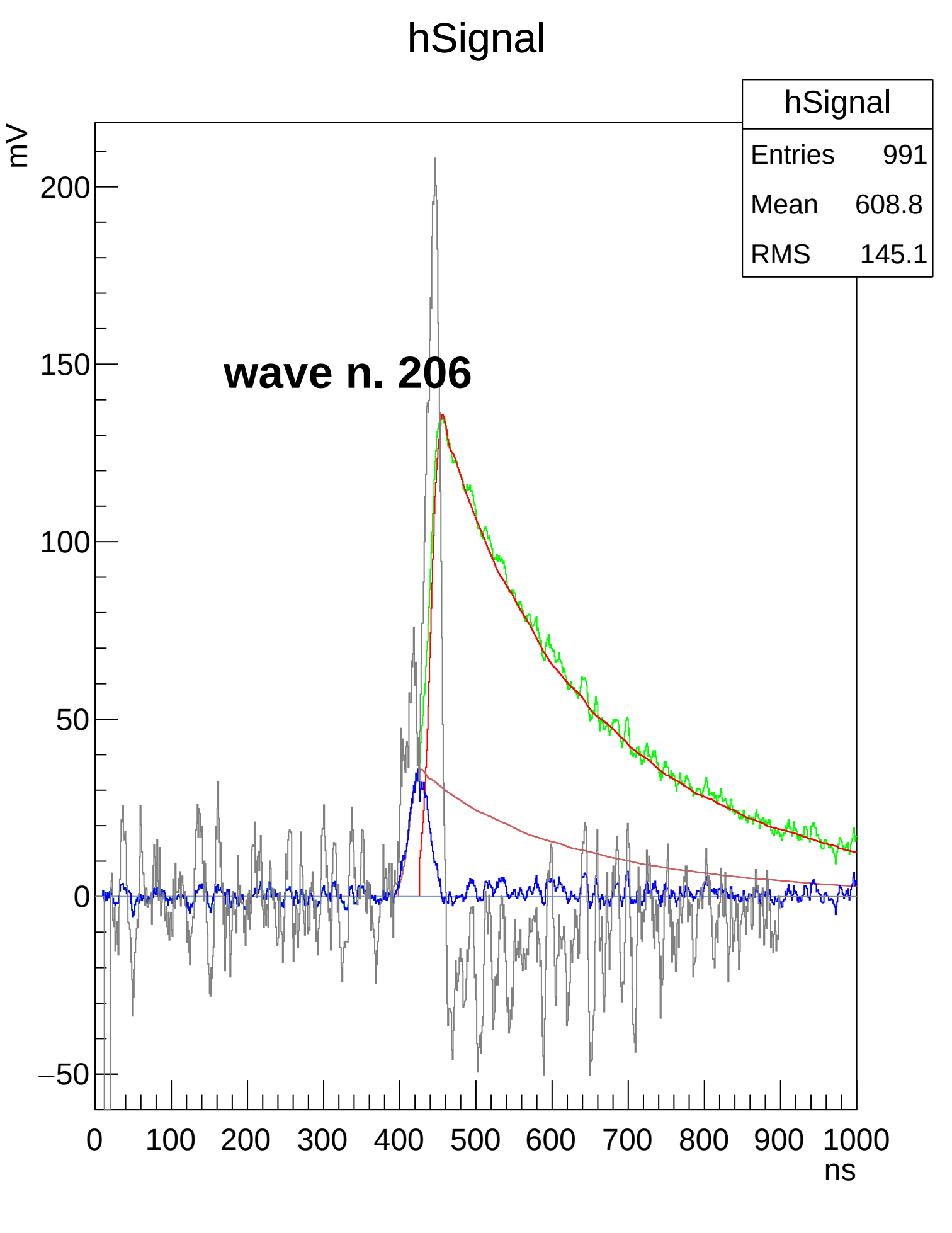

hSignal
hSignal
Entries 991
Mean 587.5
RMS 158.7
wave n. 201
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

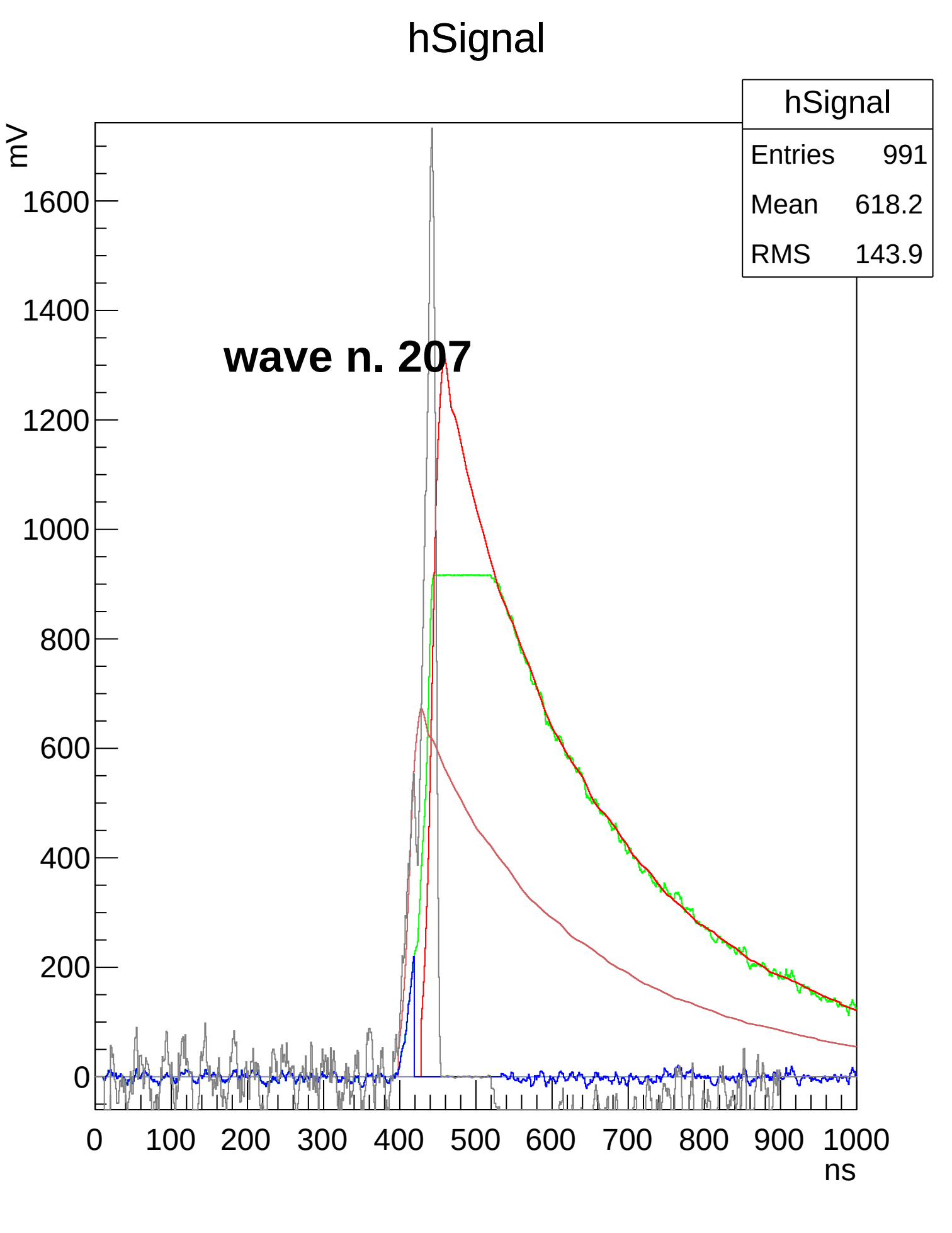

hSignal
hSignal
Entries 991
Mean 443.2
RMS 178.4
wave n. 202
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

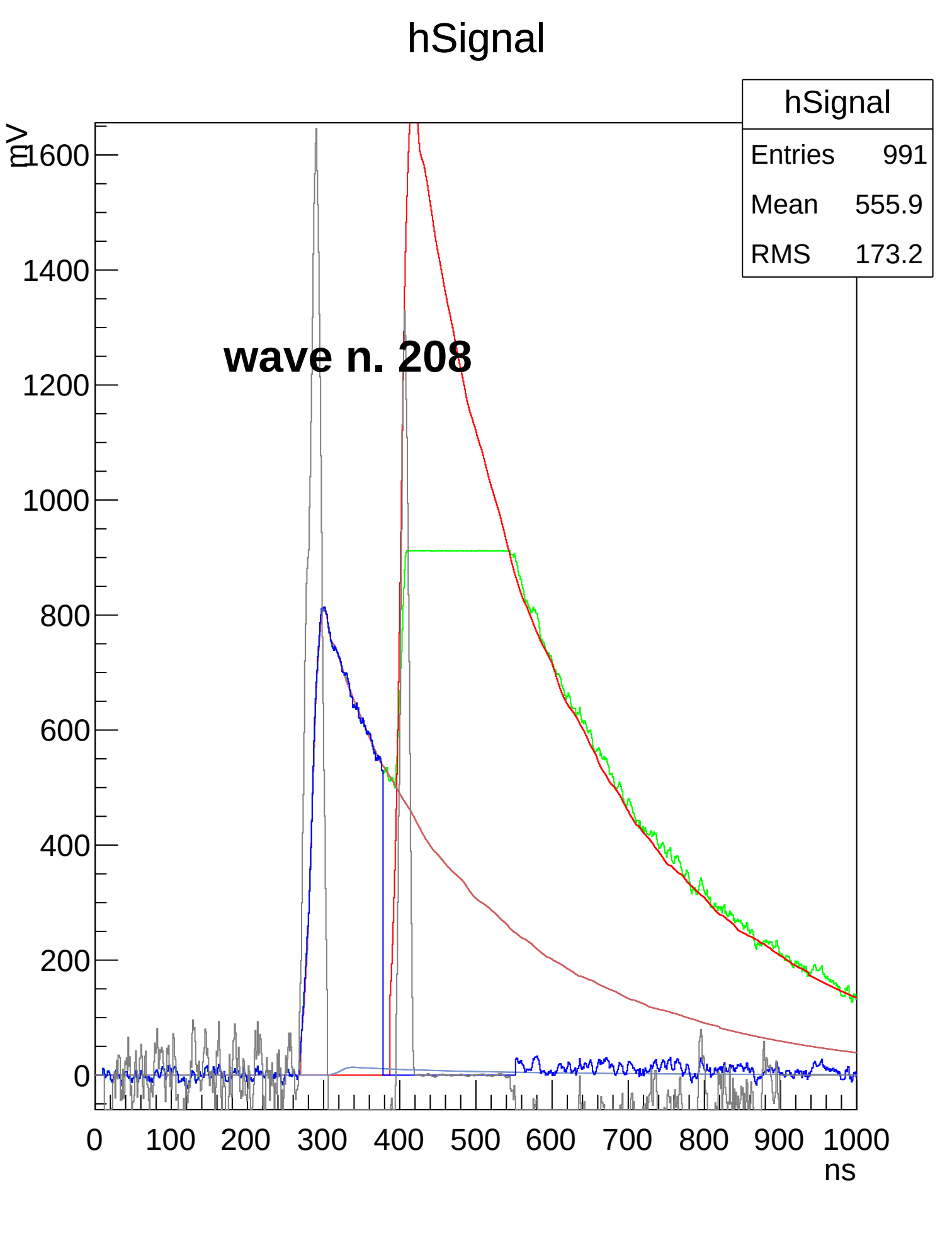

hSignal
hSignal
Entries 991
Mean 451.4
RMS 178.4
wave n. 203
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

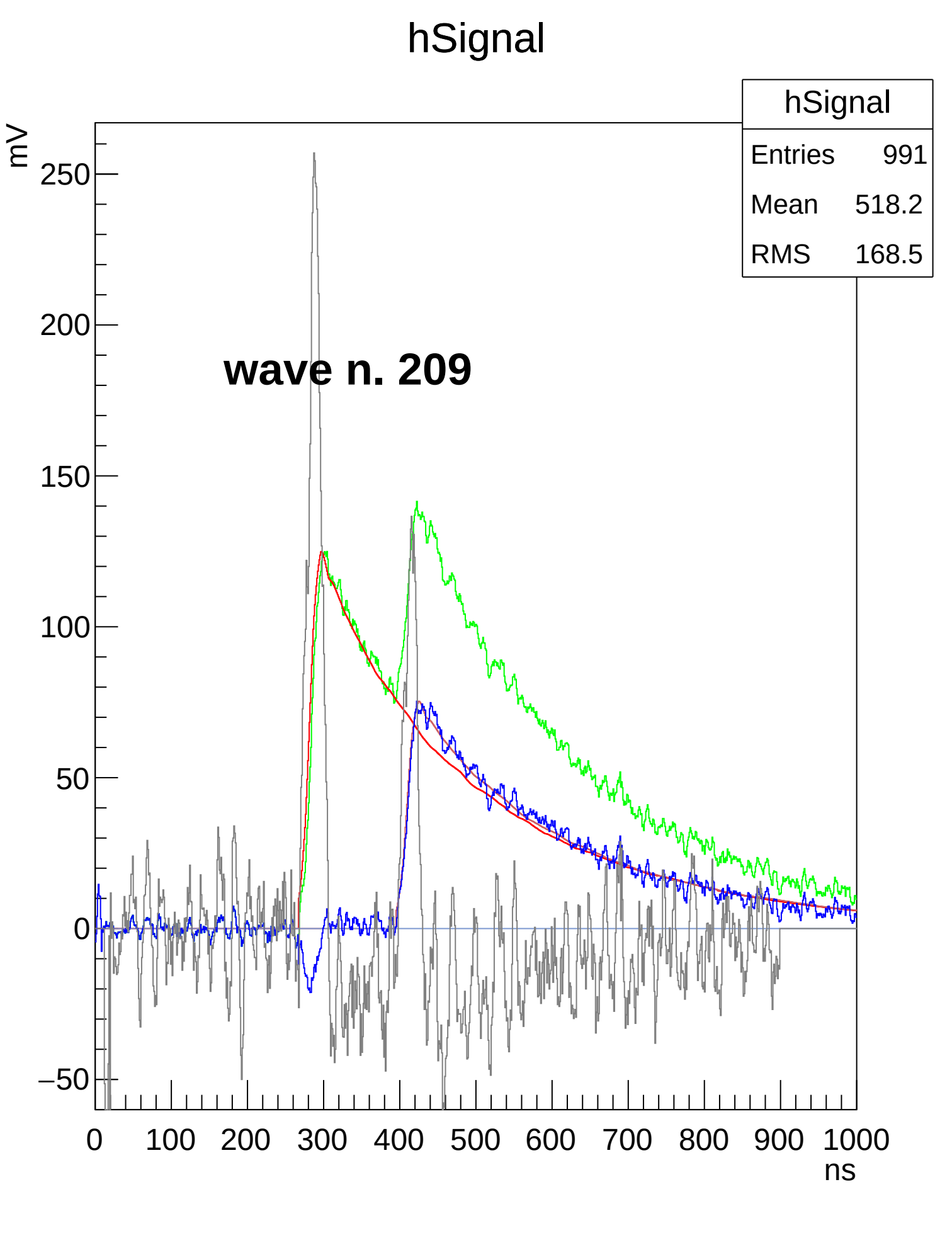

hSignal
hSignal
Entries 991
Mean 470.1
RMS 185.2
wave n. 204
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

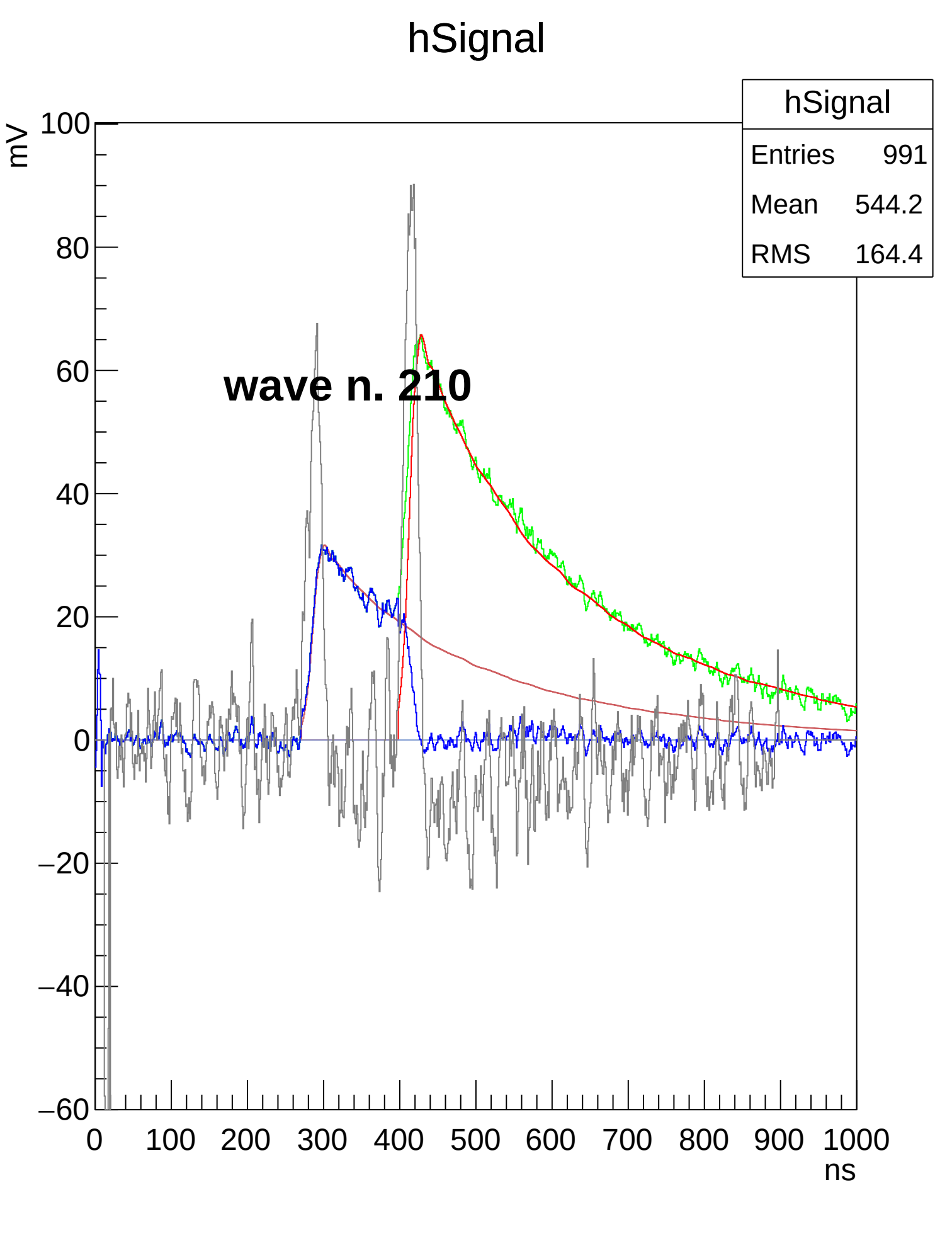

hSignal
hSignal
Entries 991
Mean 600.6
RMS 148
wave n. 205
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

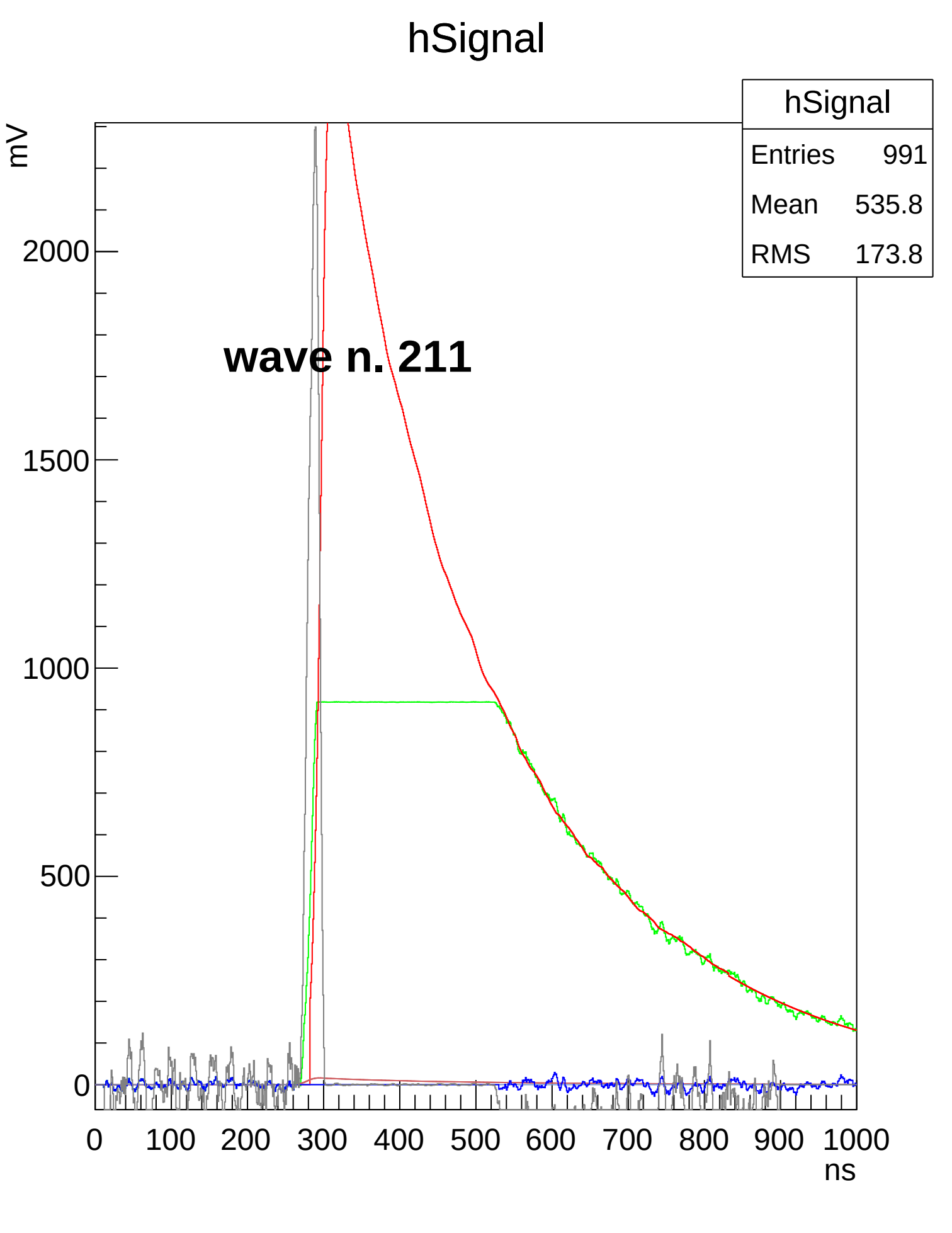

hSignal
hSignal
Entries 991
Mean 608.8
RMS 145.1
wave n. 206
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

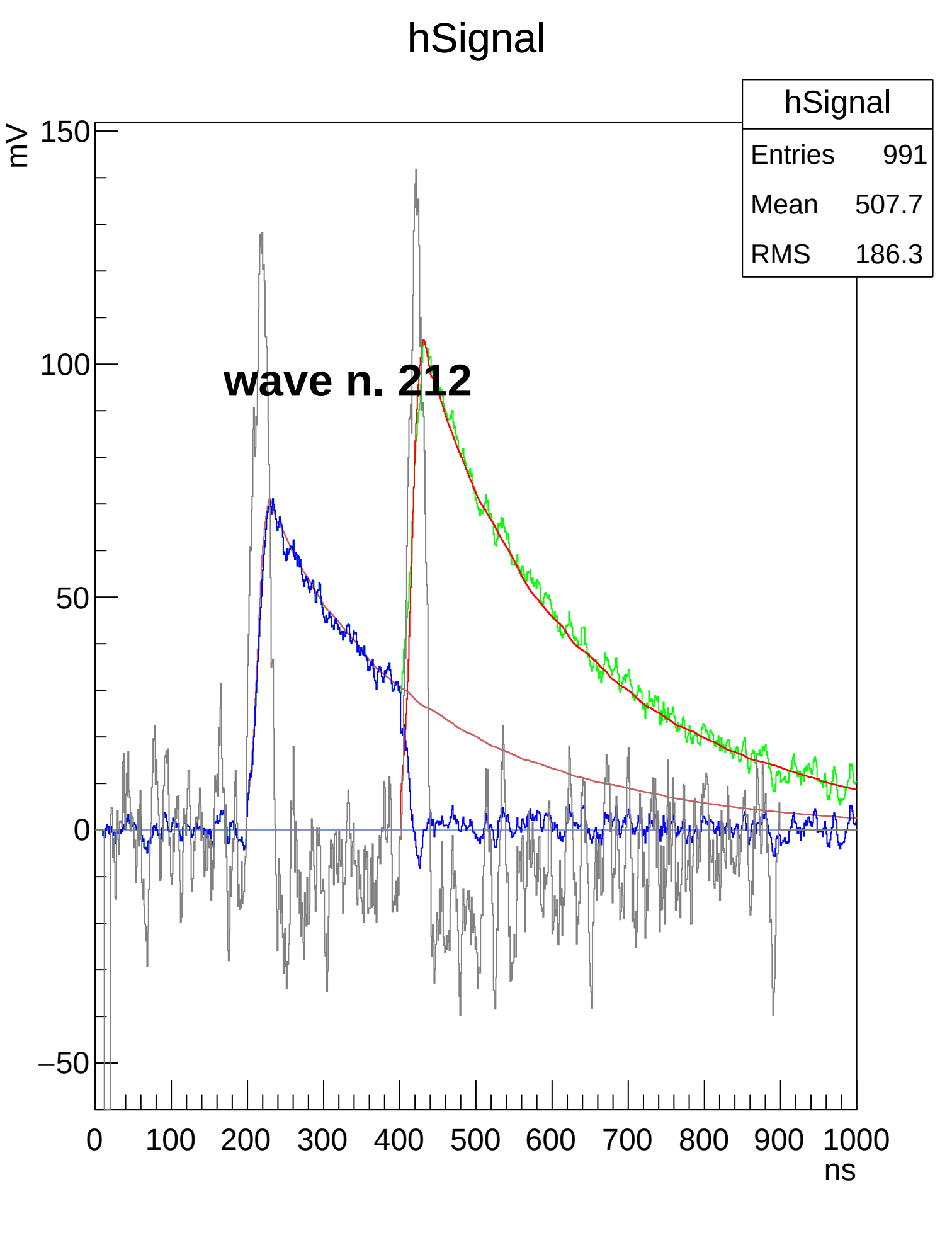

hSignal
hSignal
Entries 991
Mean 618.2
RMS 143.9
wave n. 207
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

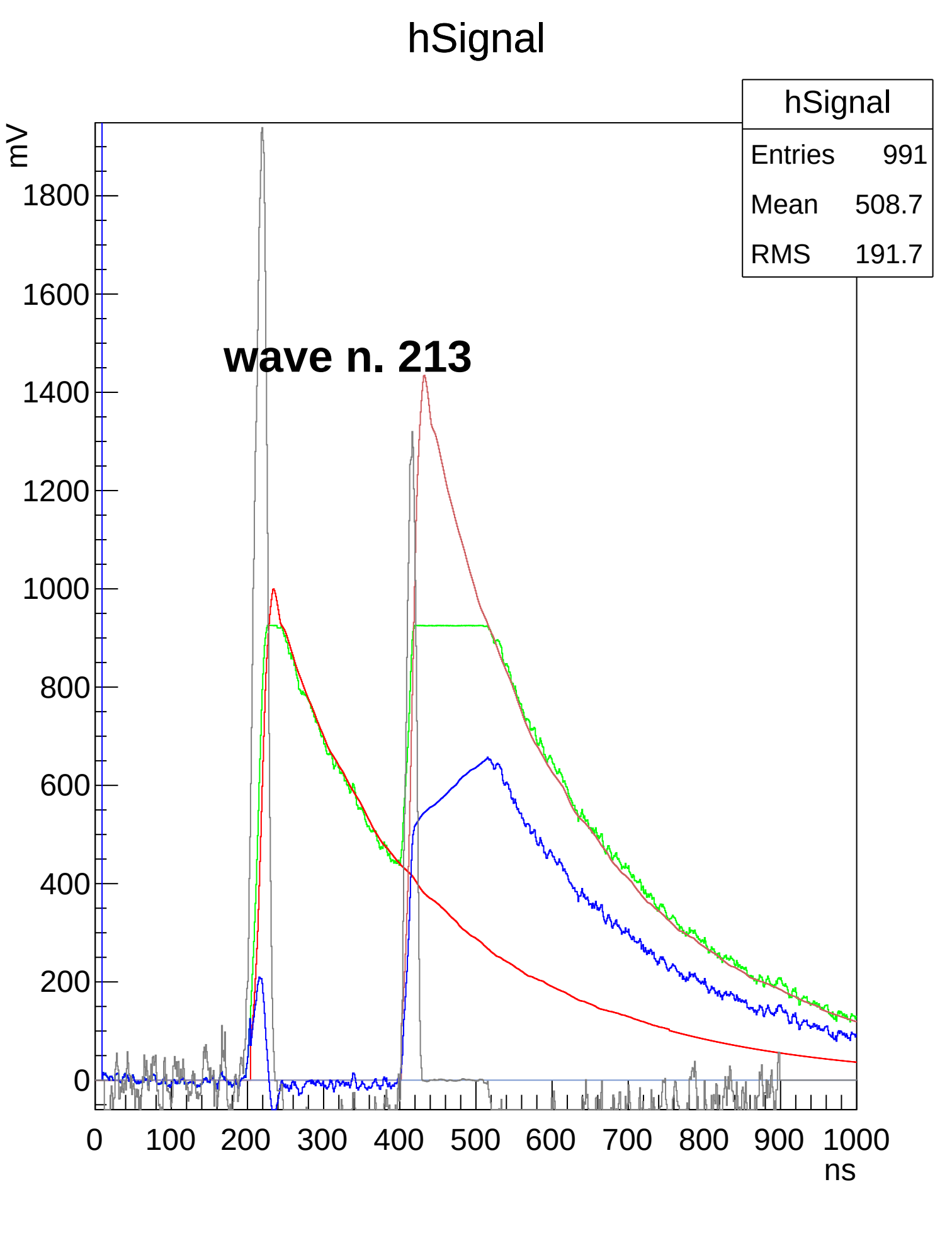

hSignal
hSignal
Entries 991
Mean 555.9
RMS 173.2
wave n. 208
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

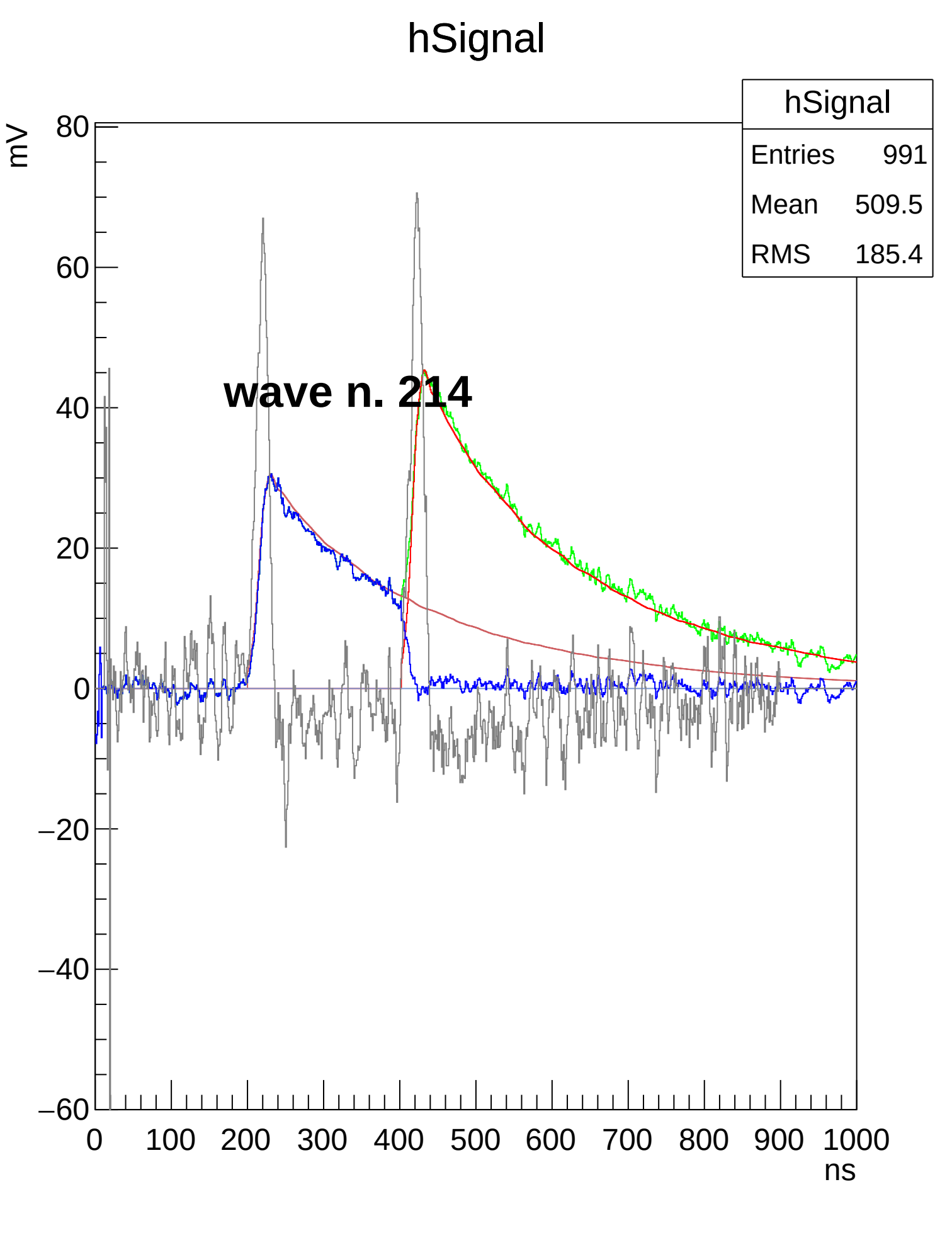

hSignal
hSignal
Entries 991
Mean 518.2
RMS 168.5
wave n. 209
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

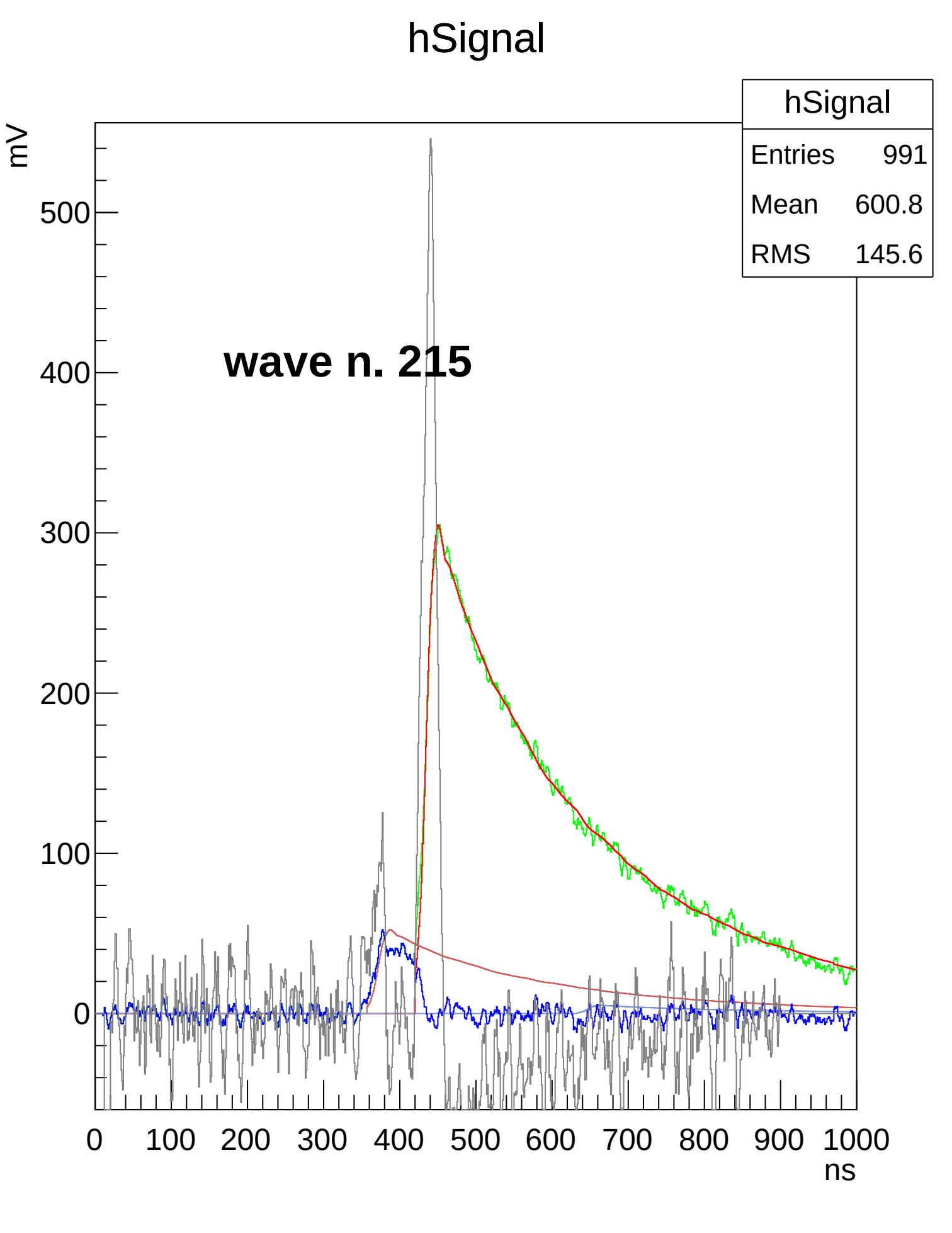

hSignal
hSignal
Entries 991
Mean 544.2
RMS 164.4
wave n. 210
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

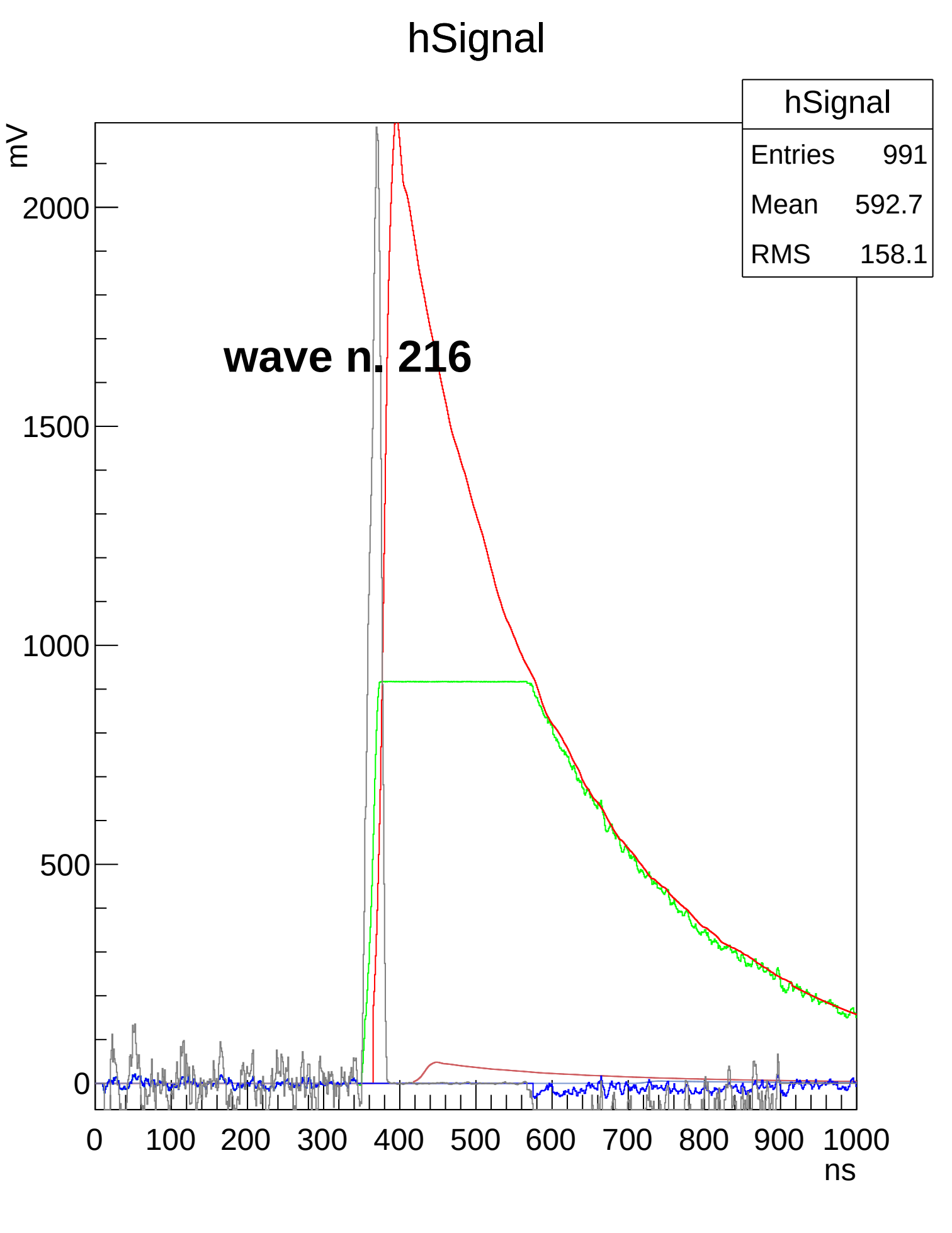

hSignal
hSignal
Entries 991
Mean 535.8
RMS 173.8
wave n. 211
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

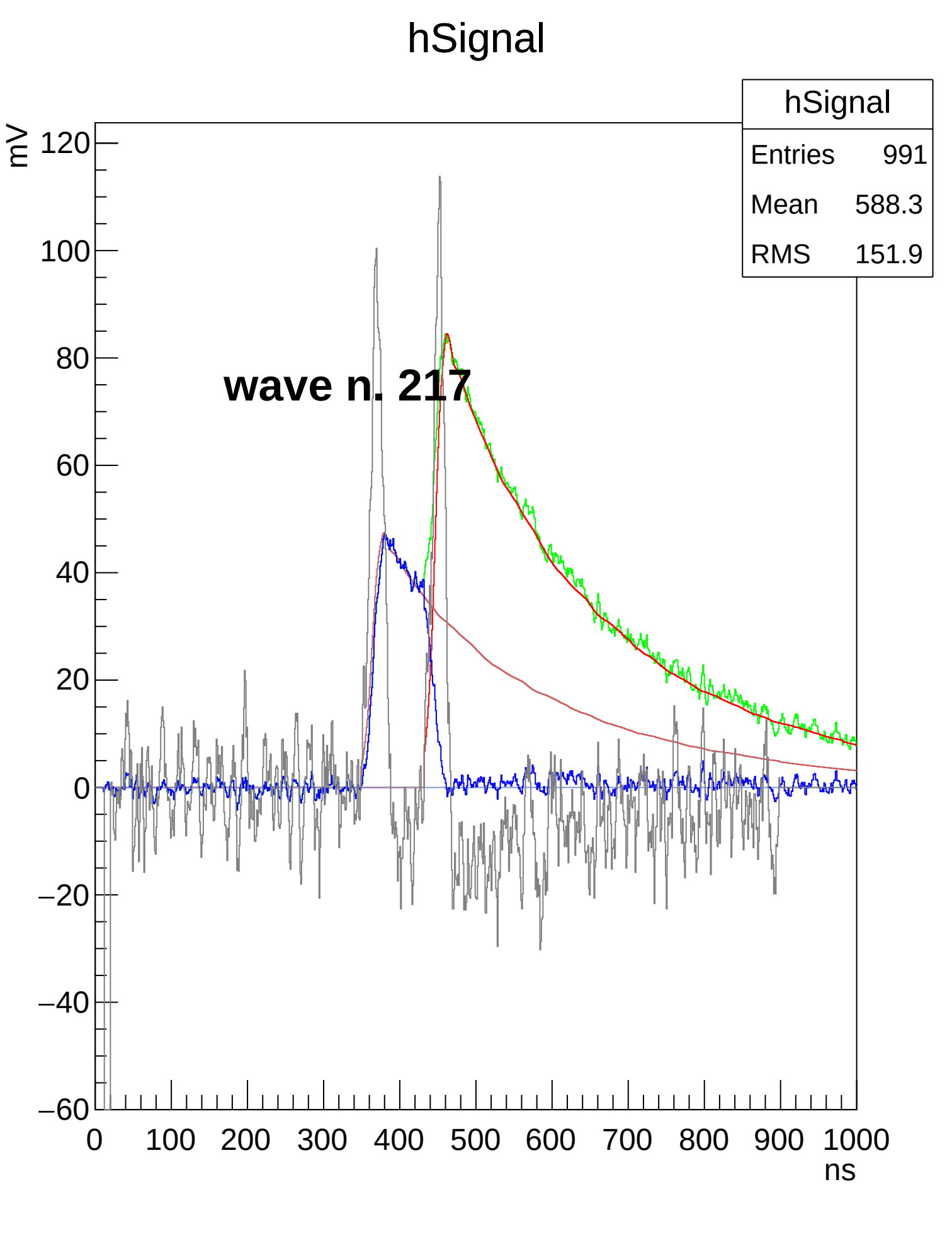

hSignal
hSignal
Entries 991
Mean 507.7
RMS 186.3
wave n. 212
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

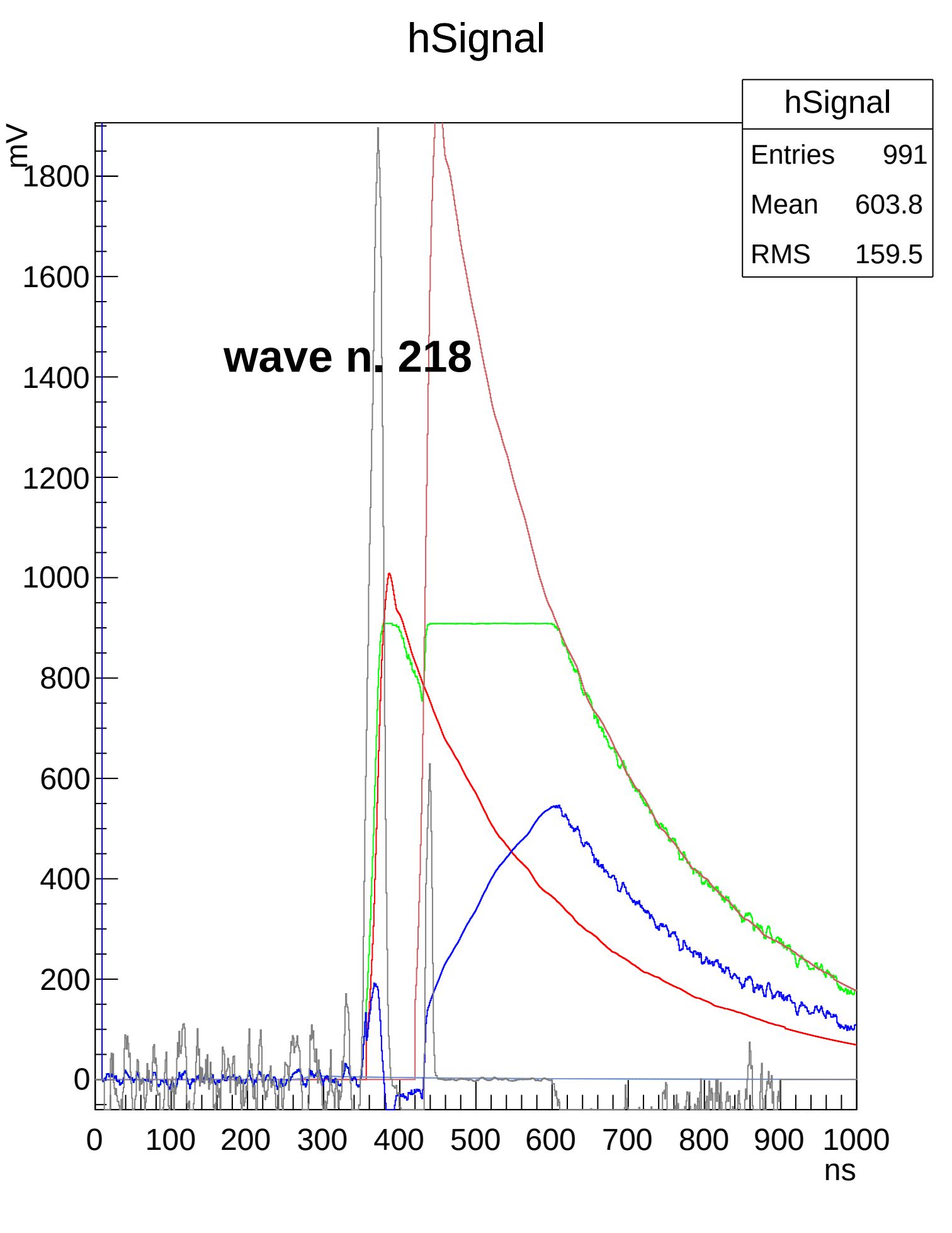

hSignal
hSignal
Entries 991
Mean 508.7
RMS 191.7
wave n. 213
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

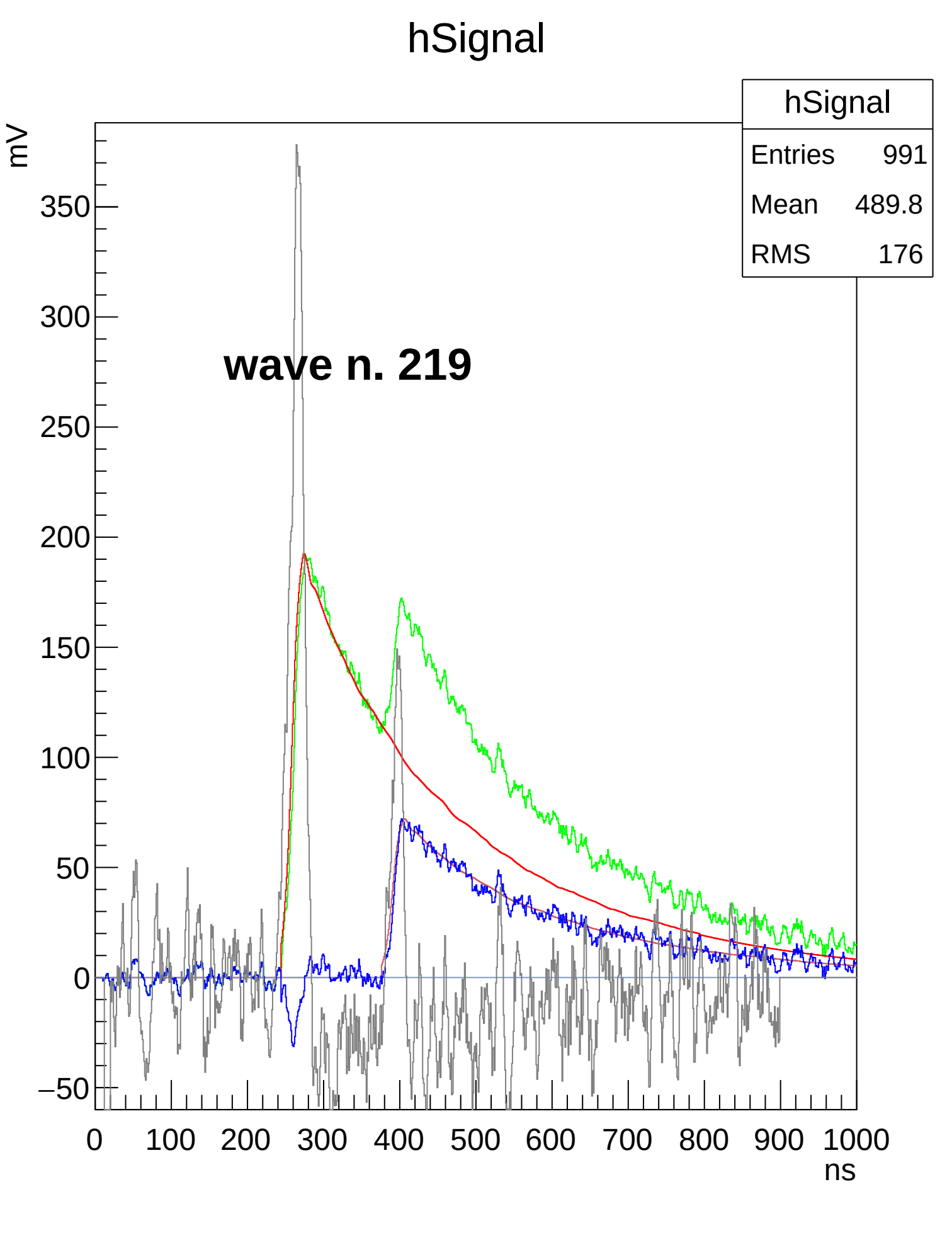

hSignal
hSignal
Entries 991
Mean 509.5
RMS 185.4
wave n. 214
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

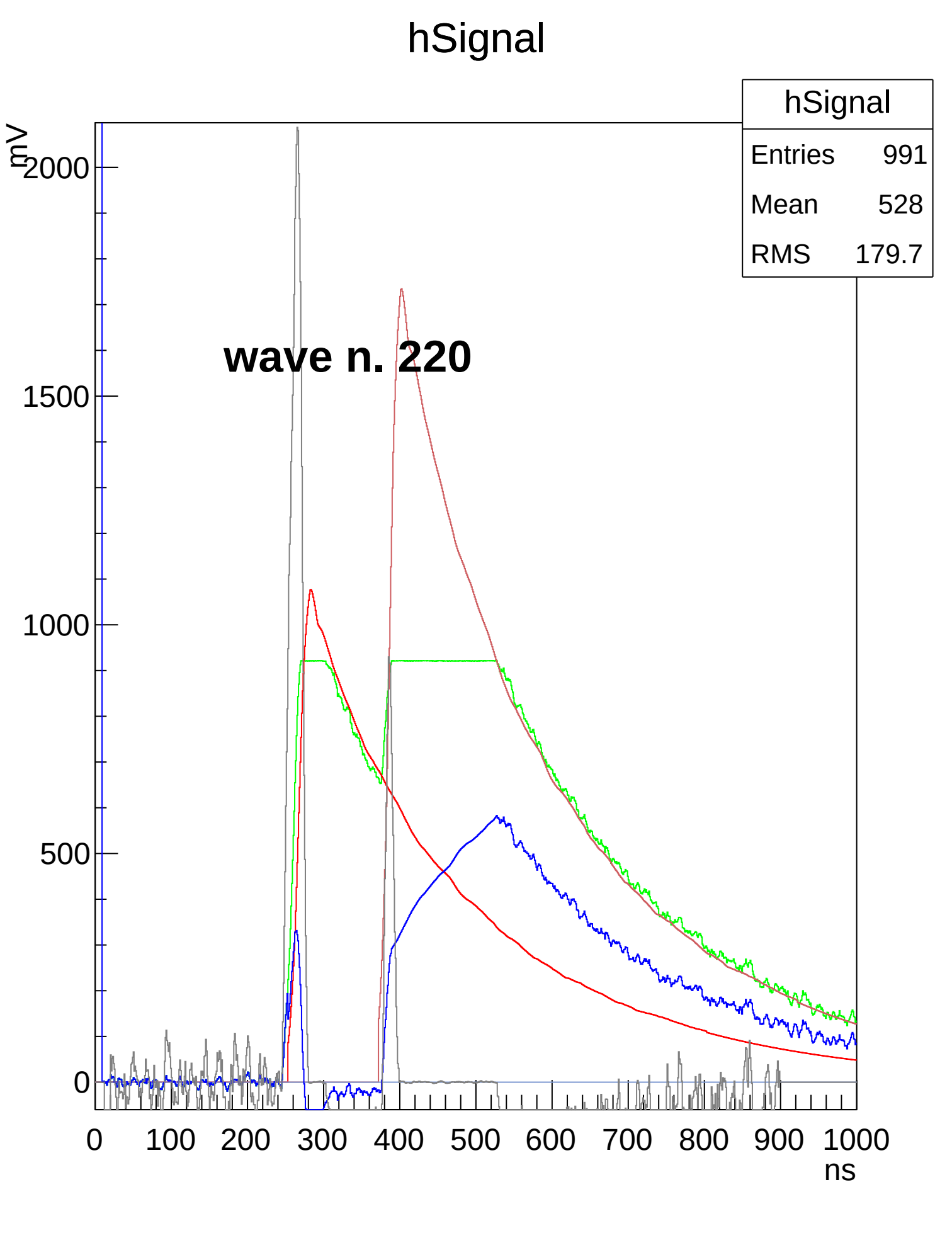

hSignal
hSignal
Entries 991
Mean 600.8
RMS 145.6
wave n. 215
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

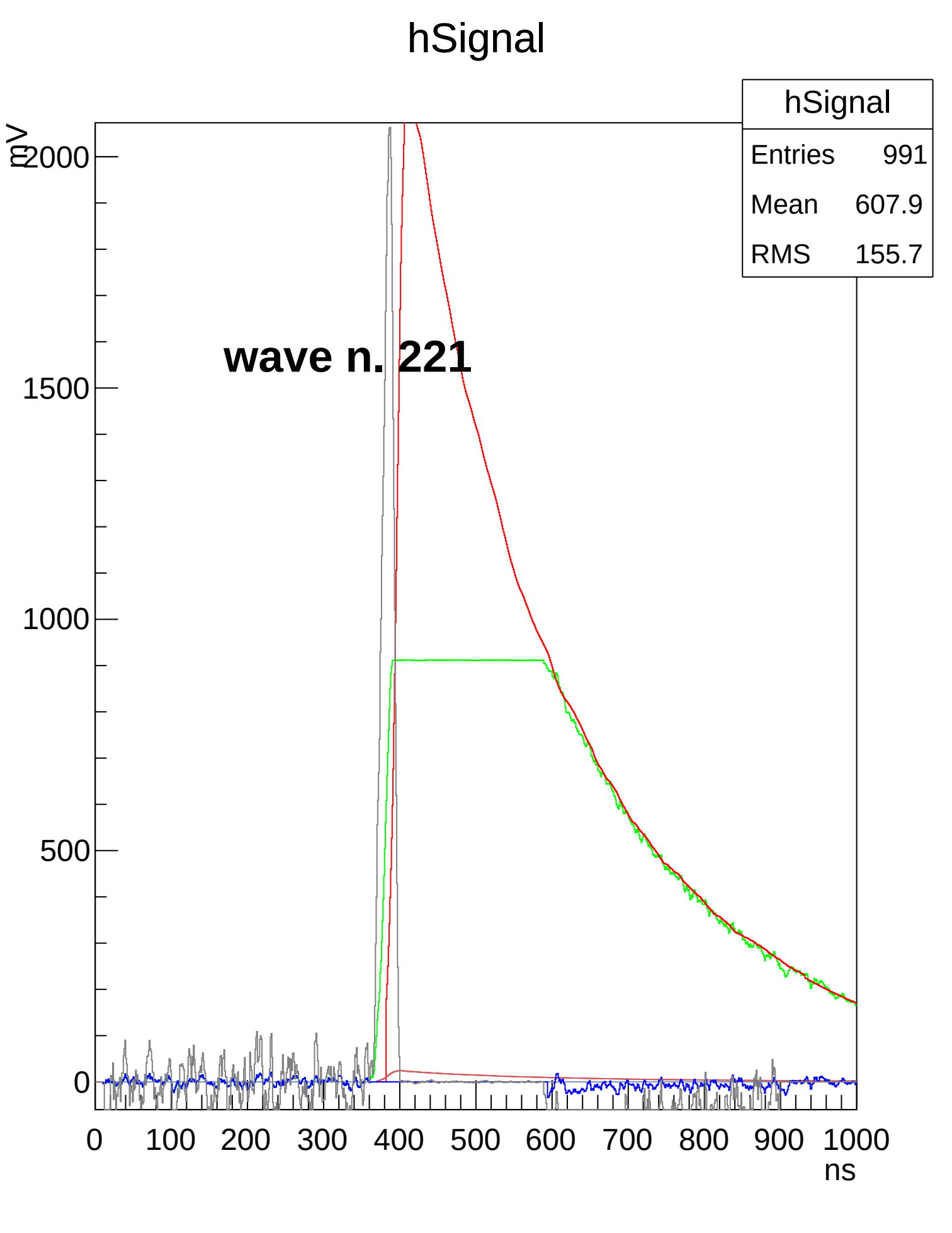

hSignal
hSignal
Entries 991
Mean 592.7
RMS 158.1
wave n. 216
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

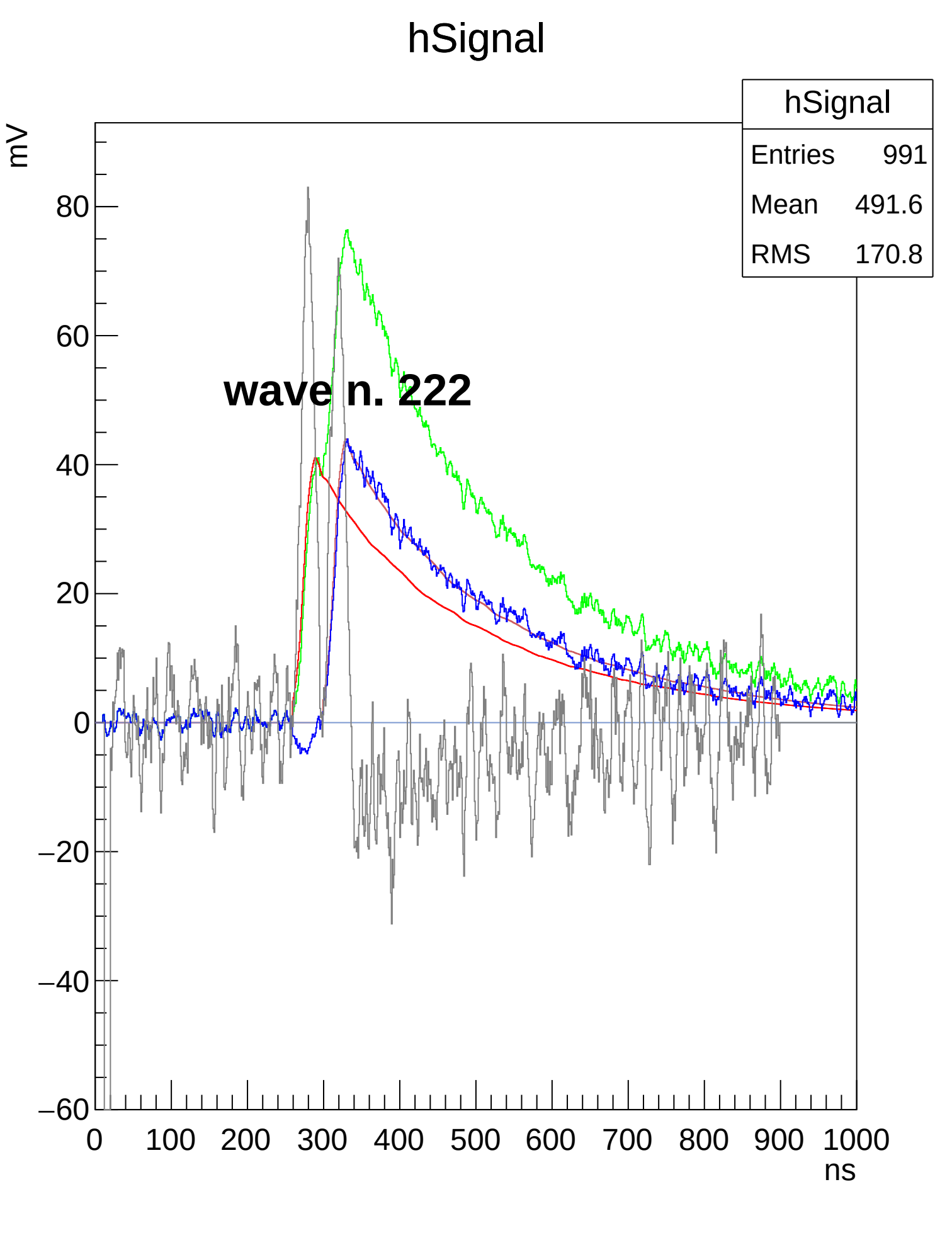

hSignal
hSignal
Entries 991
Mean 588.3
RMS 151.9
wave n. 217
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

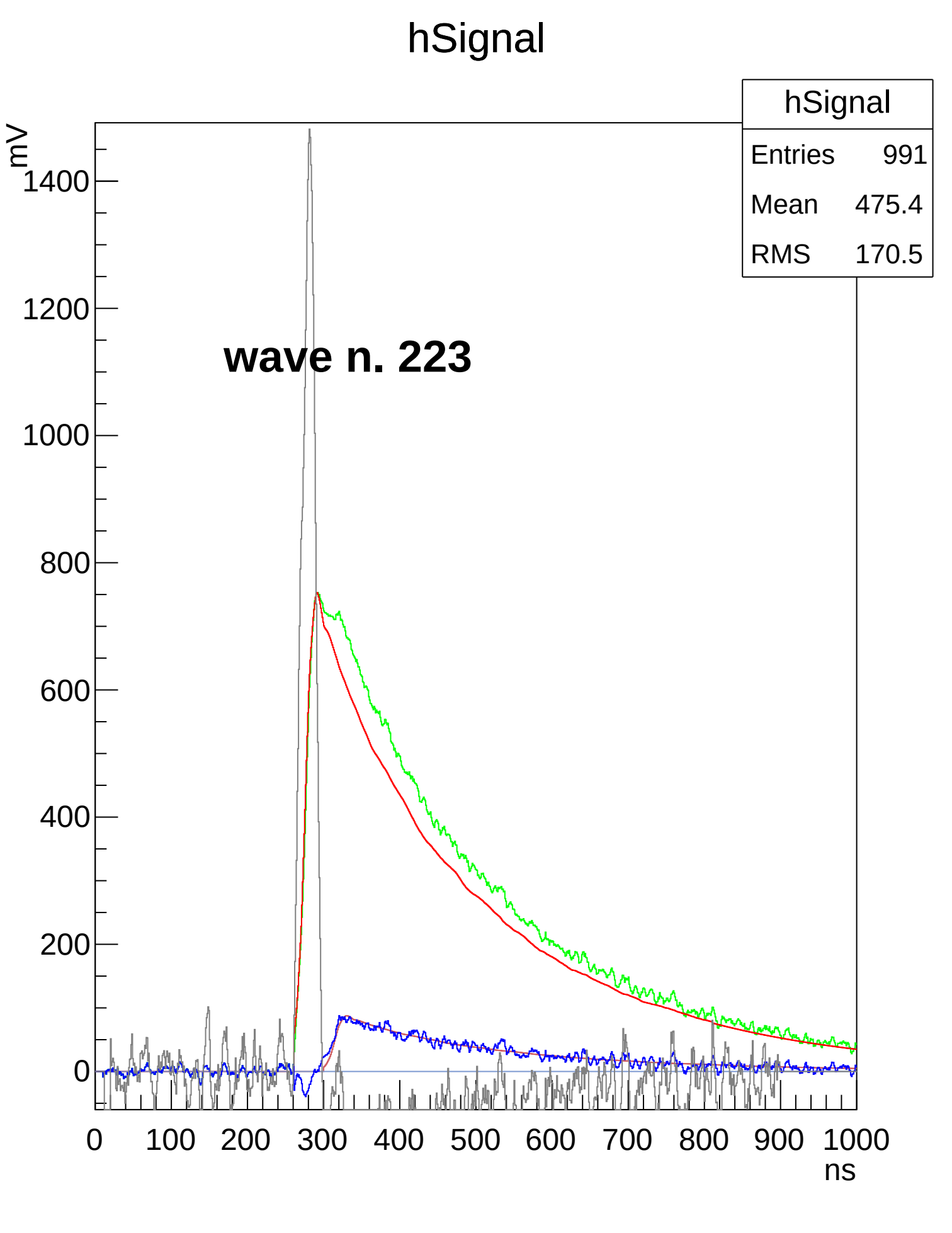

hSignal
hSignal
Entries 991
Mean 603.8
RMS 159.5
wave n. 218
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

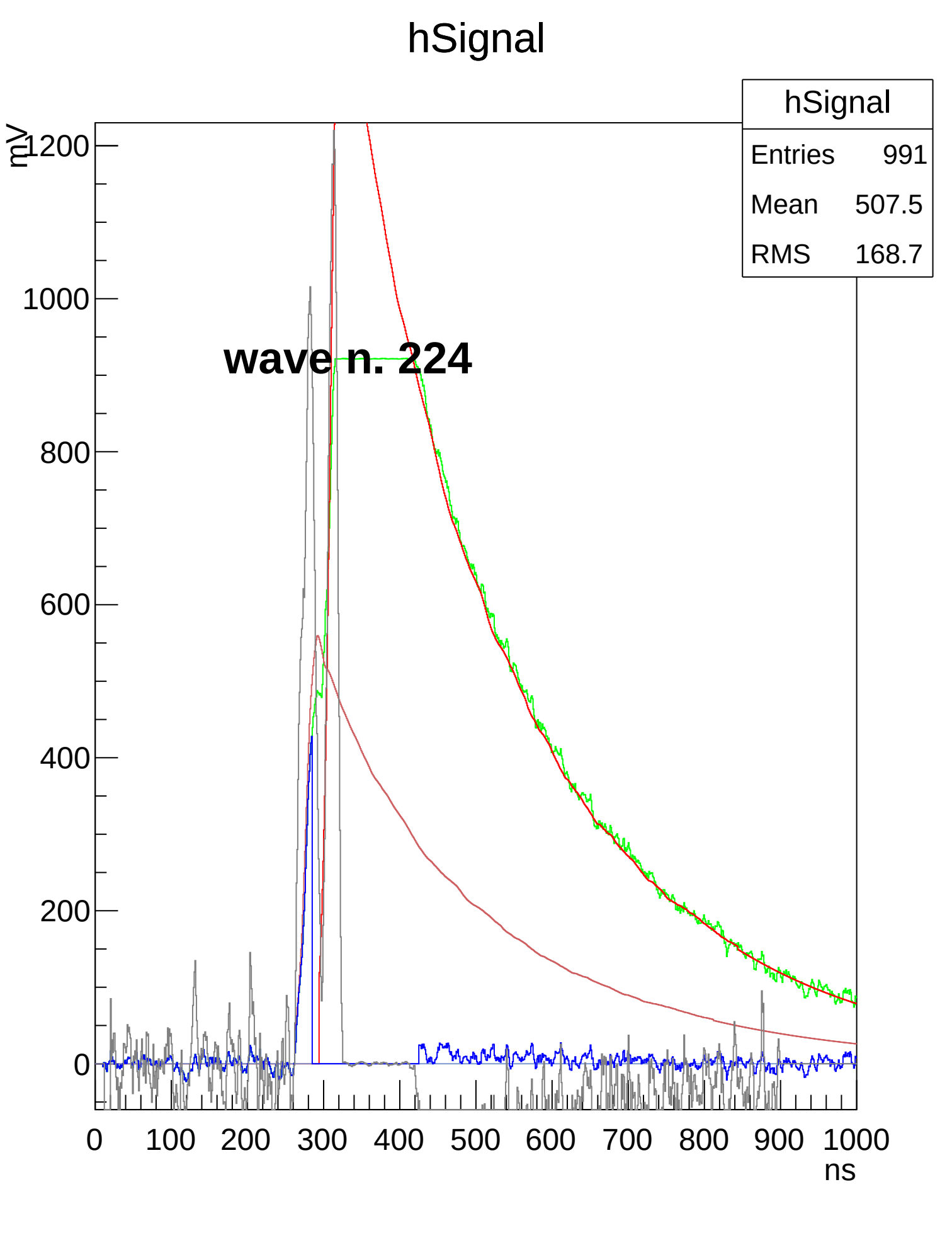

hSignal
hSignal
Entries 991
Mean 489.8
RMS 176
wave n. 219
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

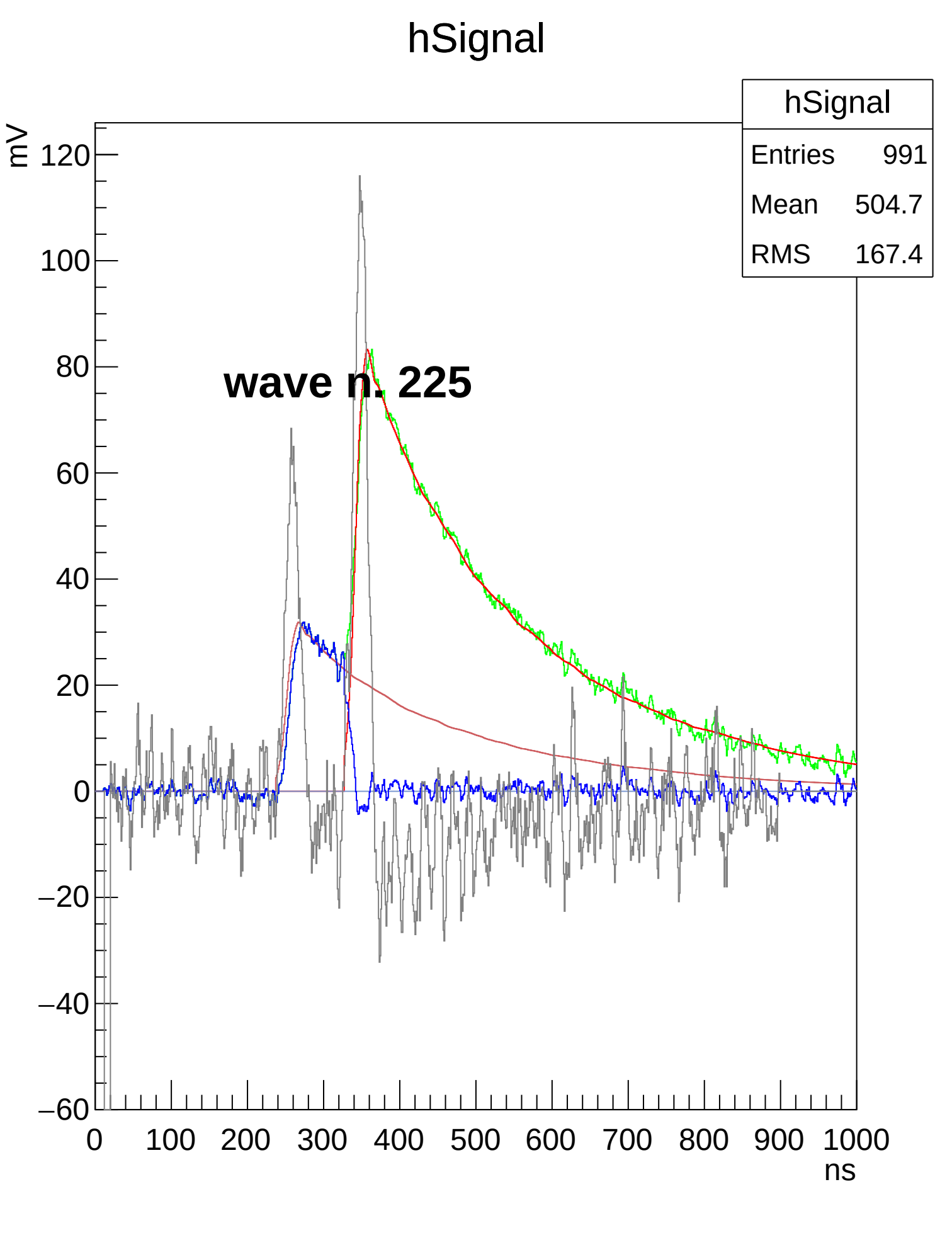

hSignal
hSignal
Entries 991
Mean 528
RMS 179.7
wave n. 220
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

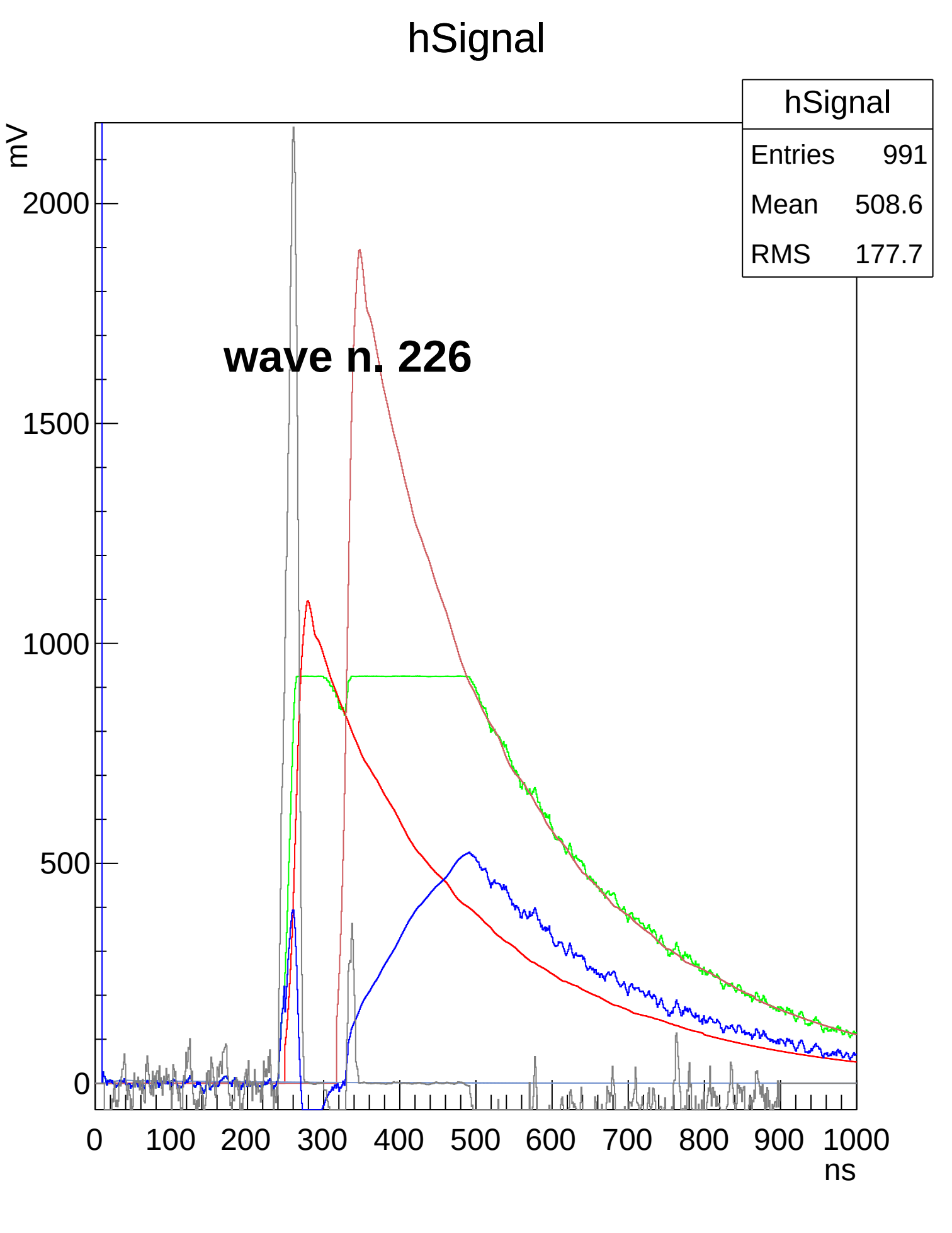

hSignal
hSignal
Entries 991
Mean 607.9
RMS 155.7
wave n. 221
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

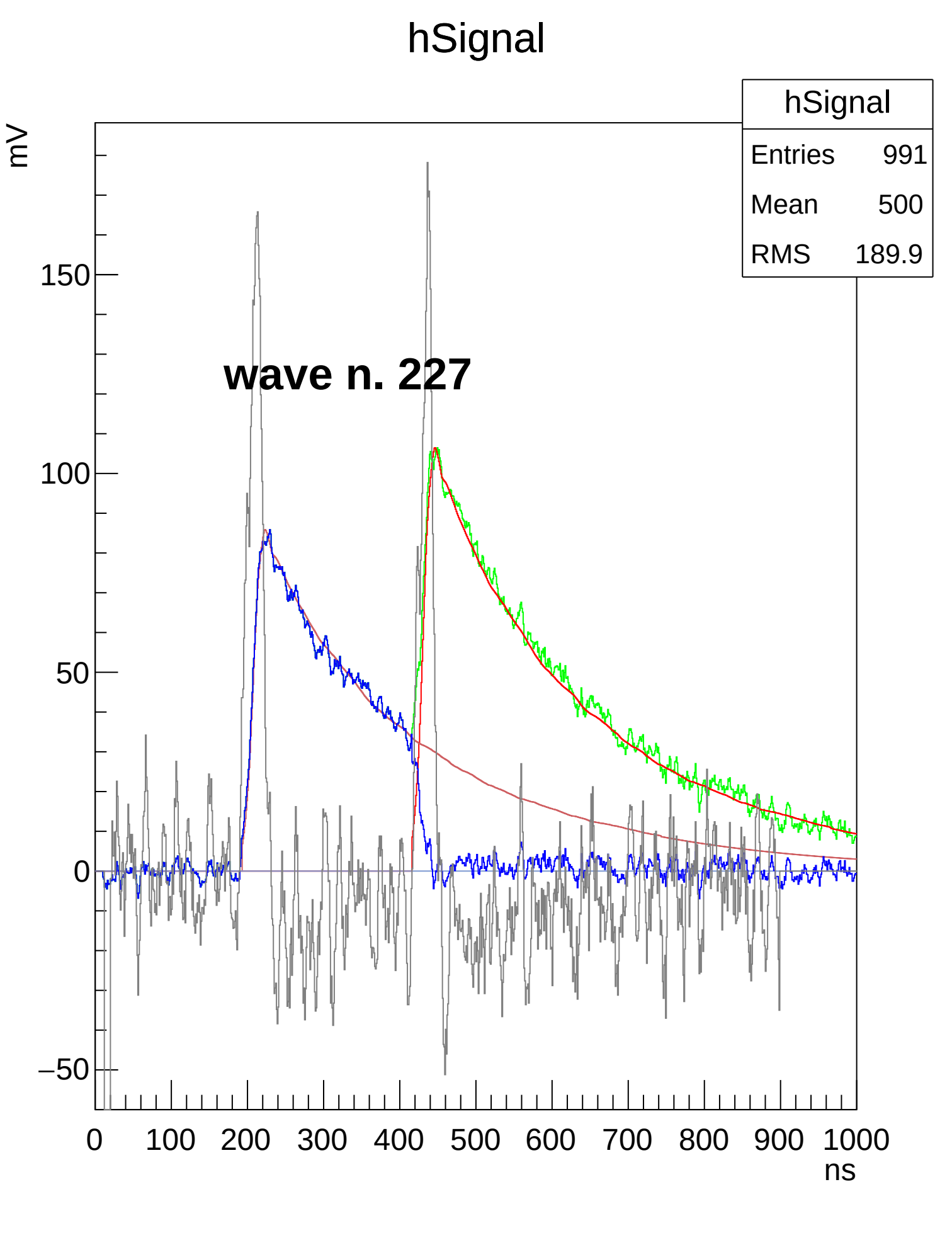

hSignal
hSignal
Entries 991
Mean 491.6
RMS 170.8
wave n. 222
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

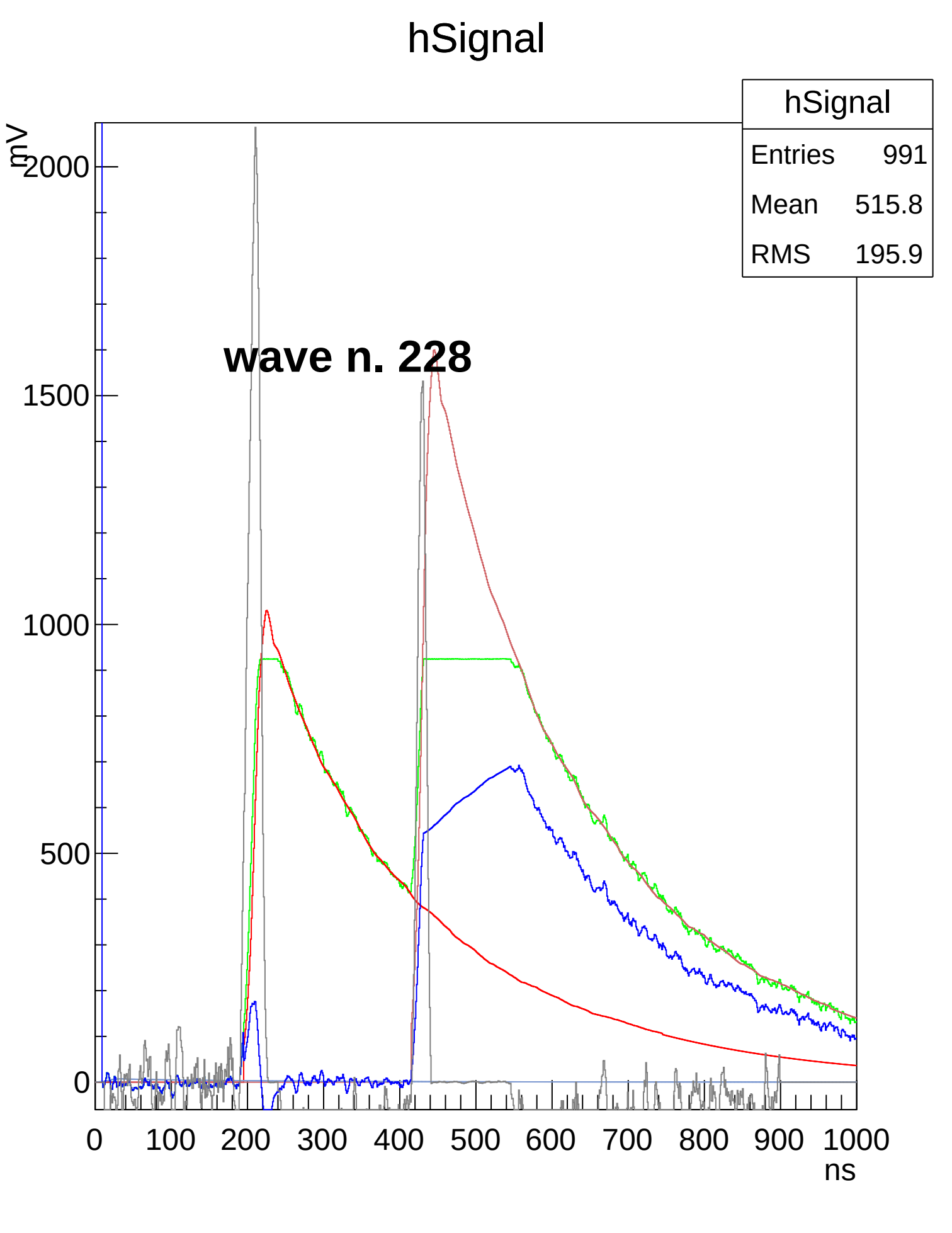

hSignal
hSignal
Entries 991
Mean 475.4
RMS 170.5
wave n. 223
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

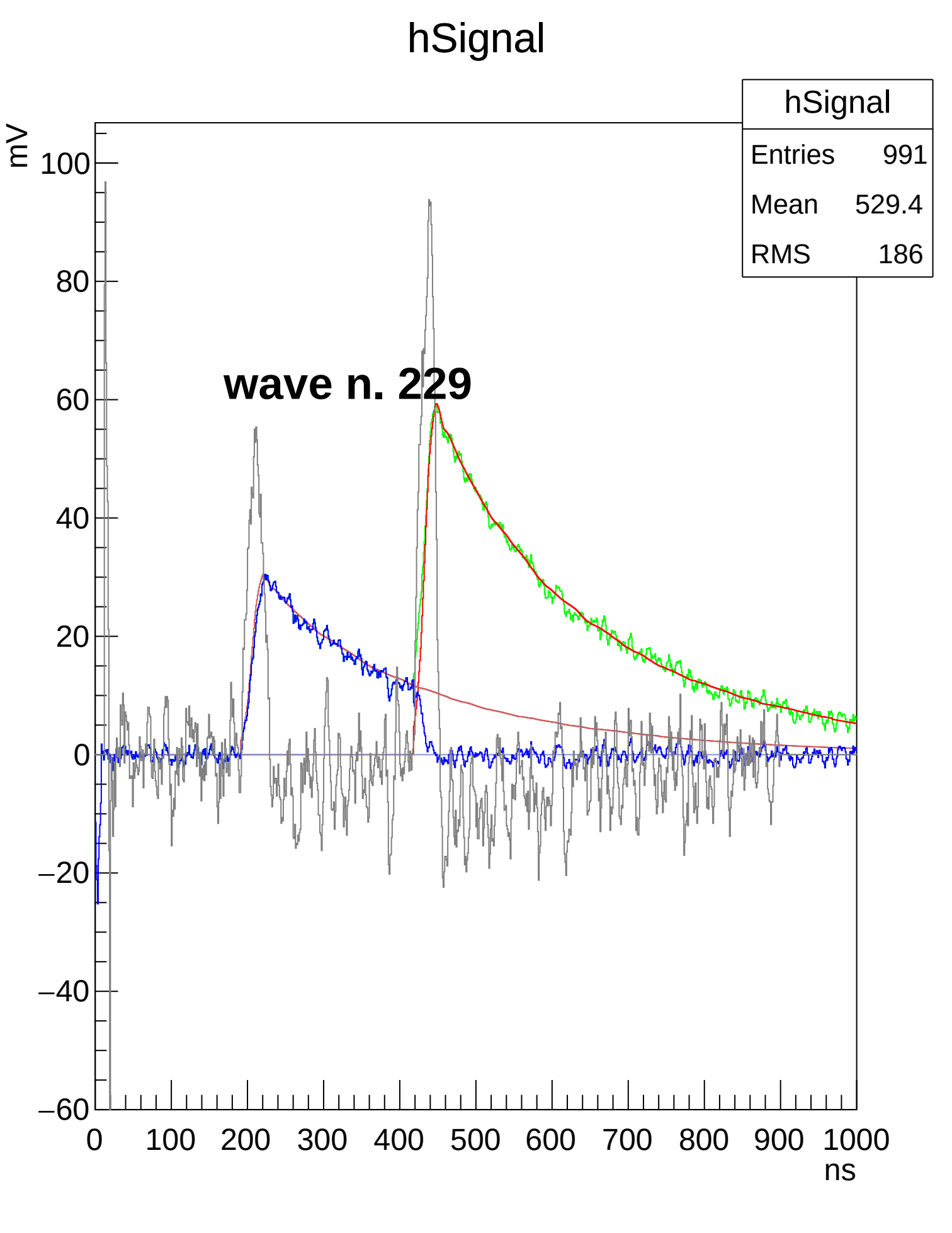

hSignal
hSignal
Entries 991
Mean 507.5
RMS 168.7
wave n. 224
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

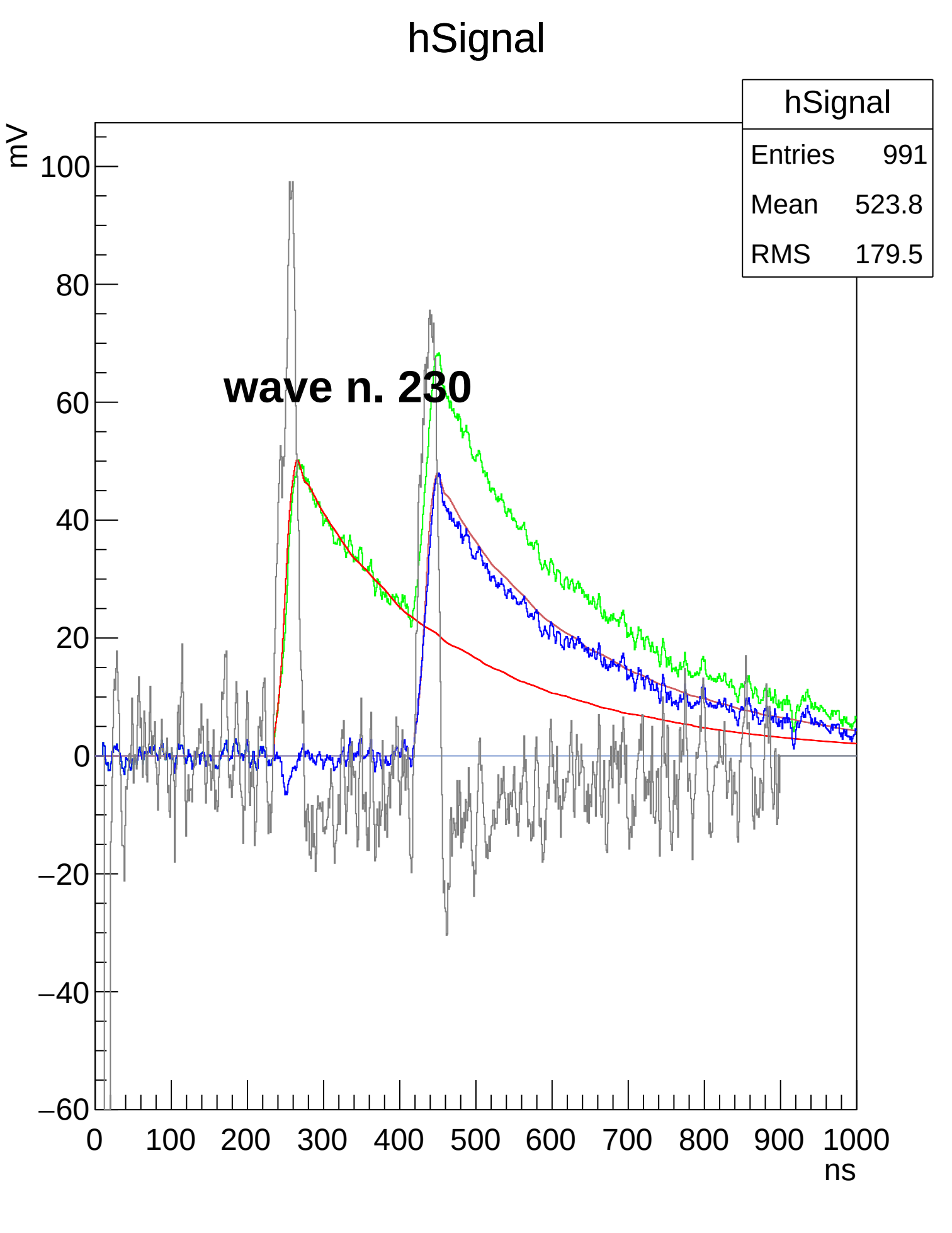

hSignal
hSignal
Entries 991
Mean 504.7
RMS 167.4
wave n. 225
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

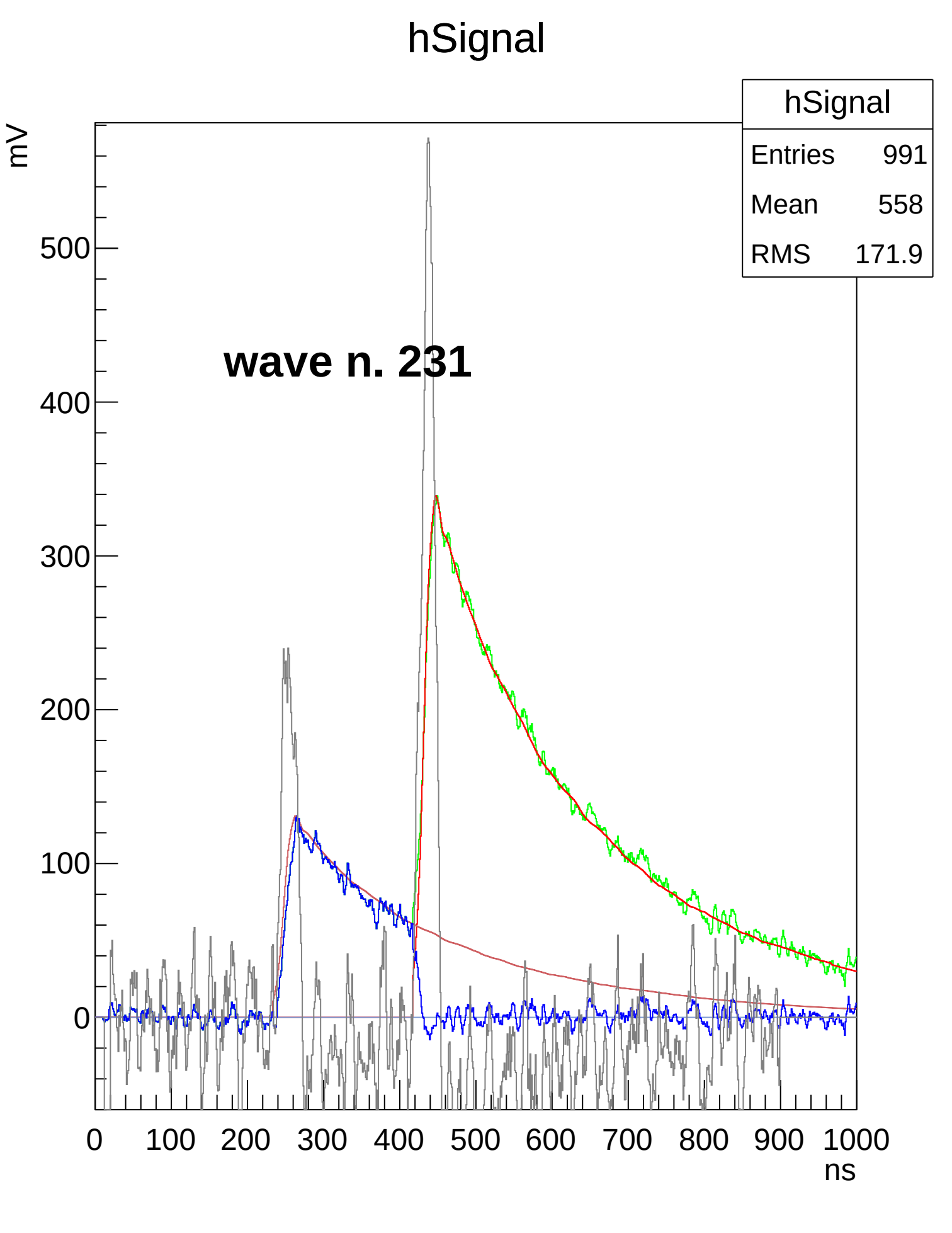

hSignal
hSignal
Entries 991
Mean 508.6
RMS 177.7
wave n. 226
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

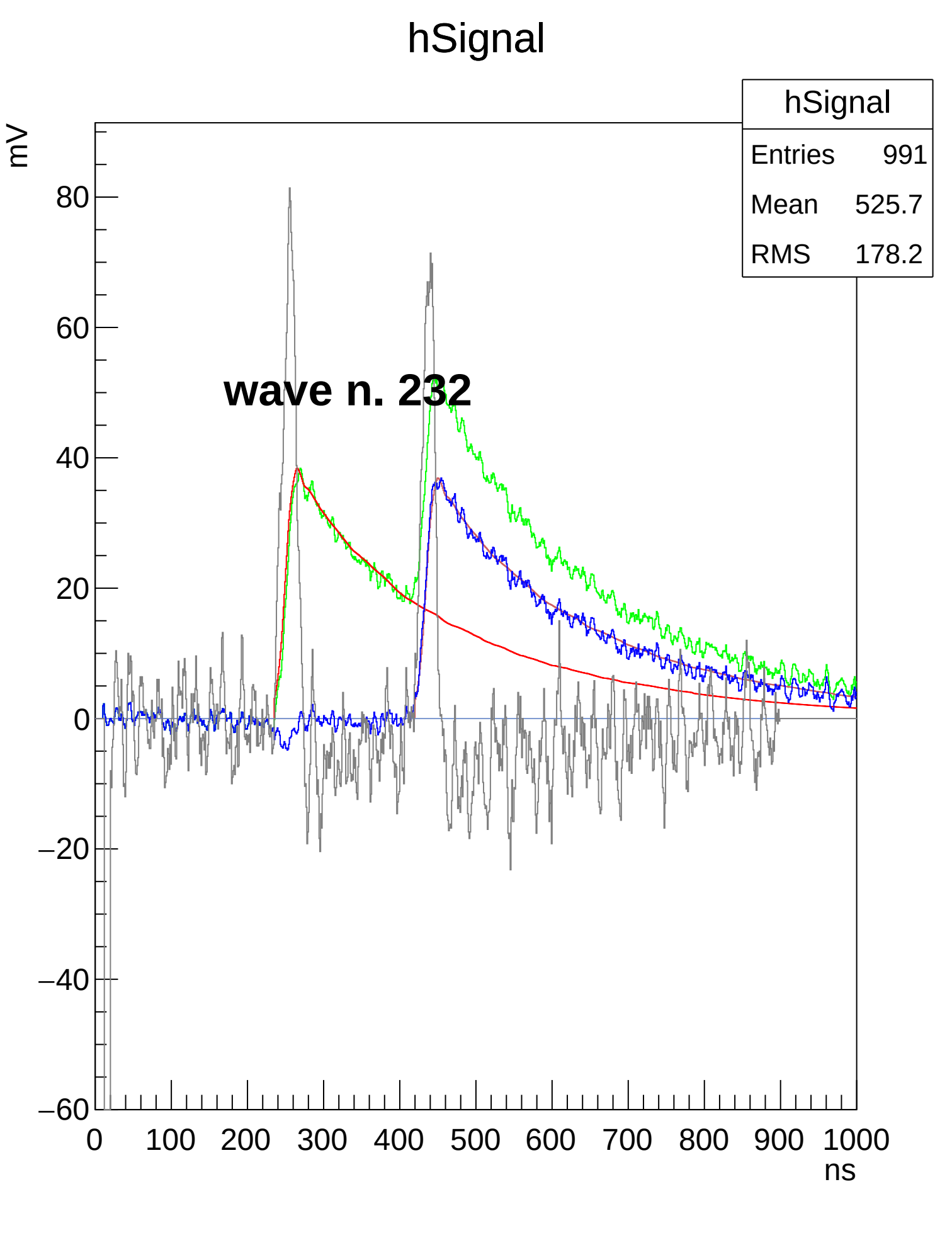

hSignal
hSignal
Entries 991
Mean 500
RMS 189.9
wave n. 227
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

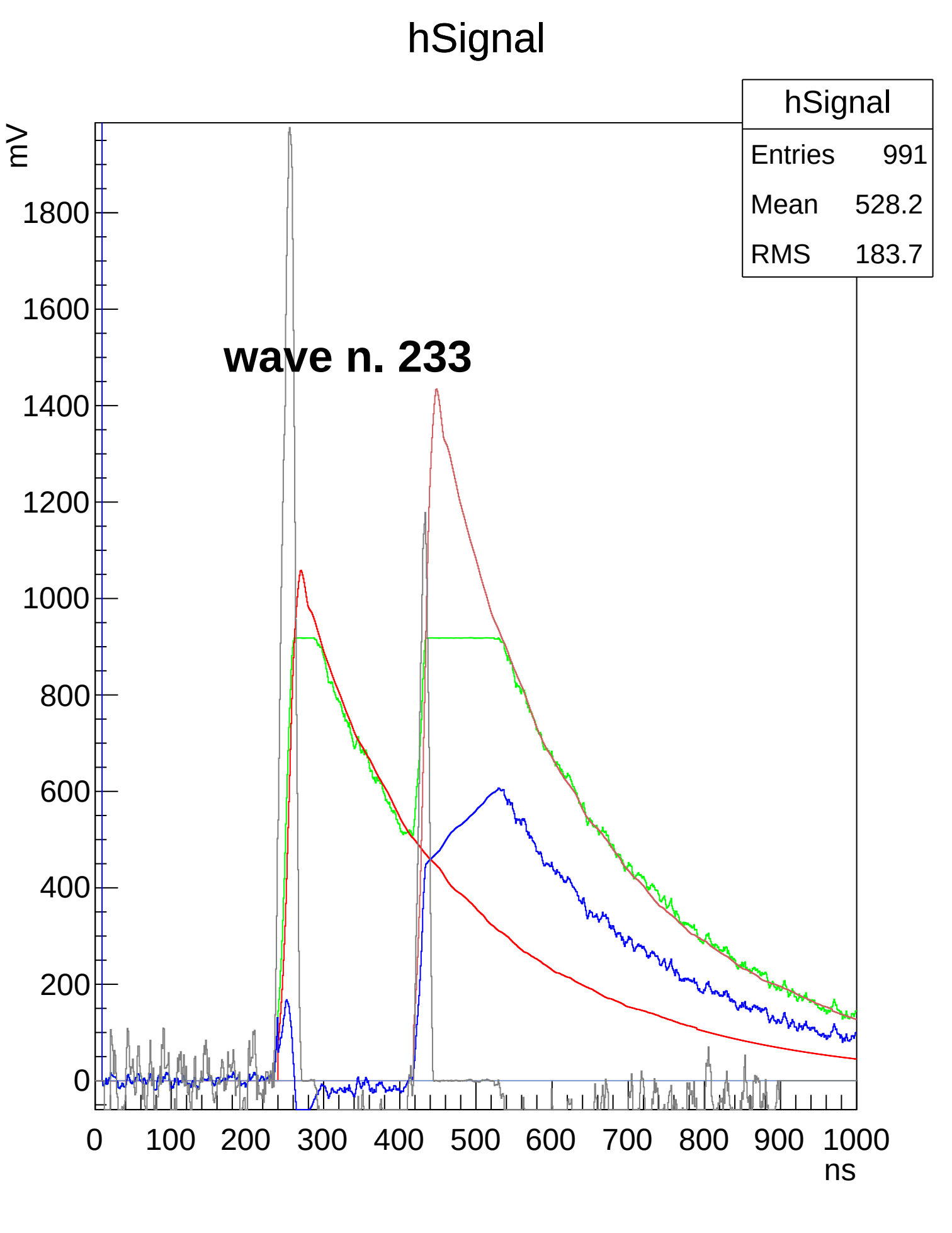

hSignal
hSignal
Entries 991
Mean 515.8
RMS 195.9
wave n. 228
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

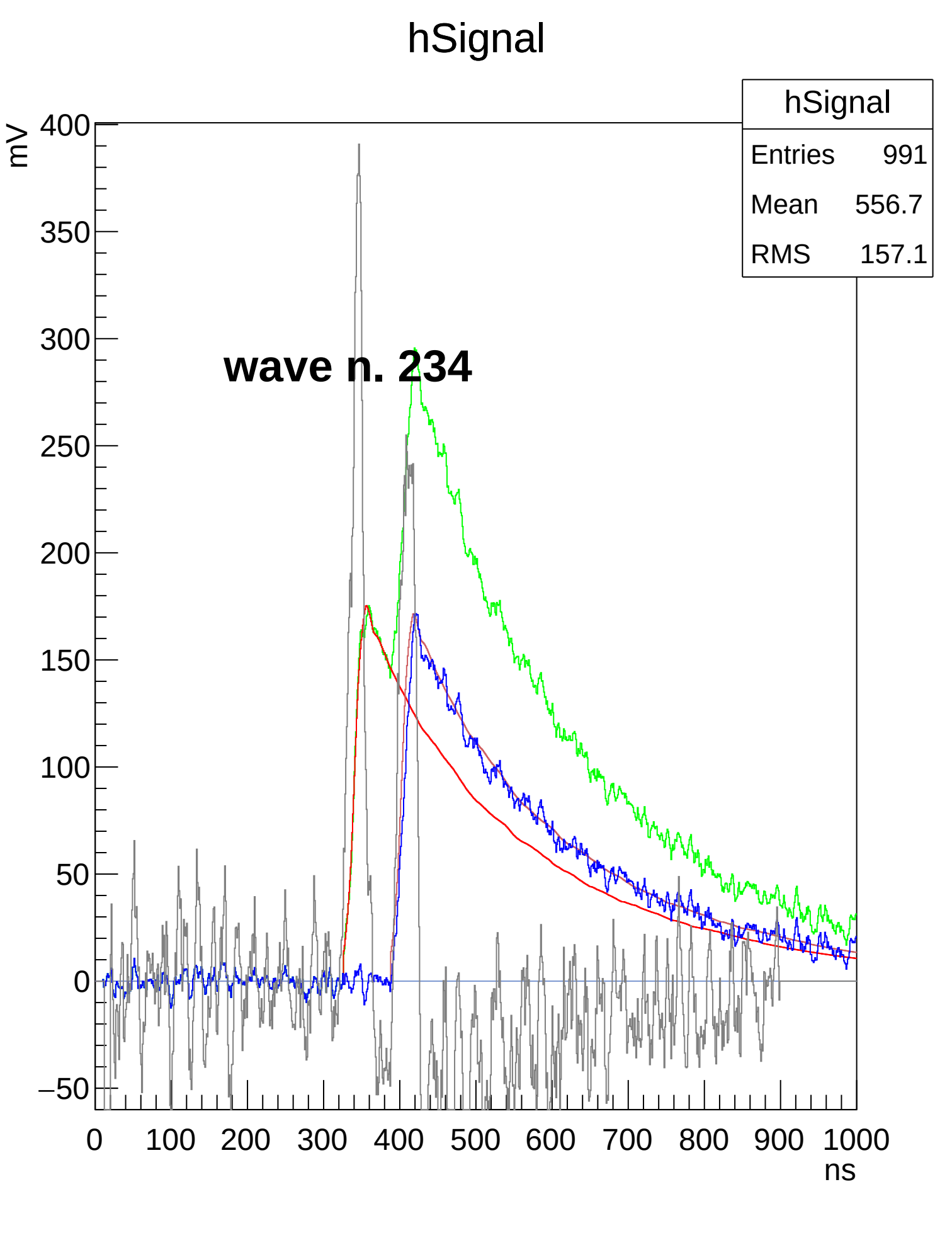

hSignal
hSignal
Entries 991
Mean 529.4
RMS 186
wave n. 229
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

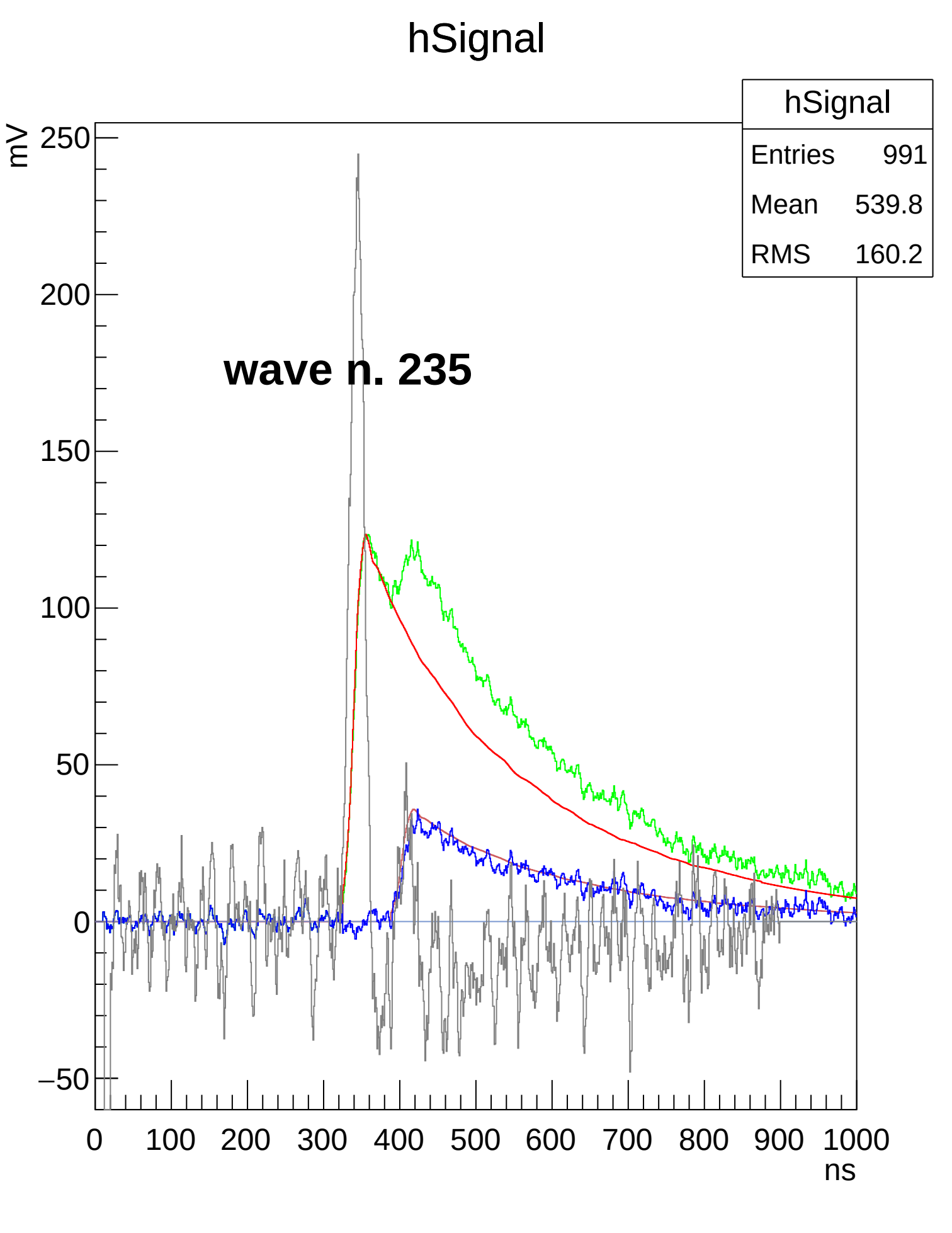

hSignal
hSignal
Entries 991
Mean 523.8
RMS 179.5
wave n. 230
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

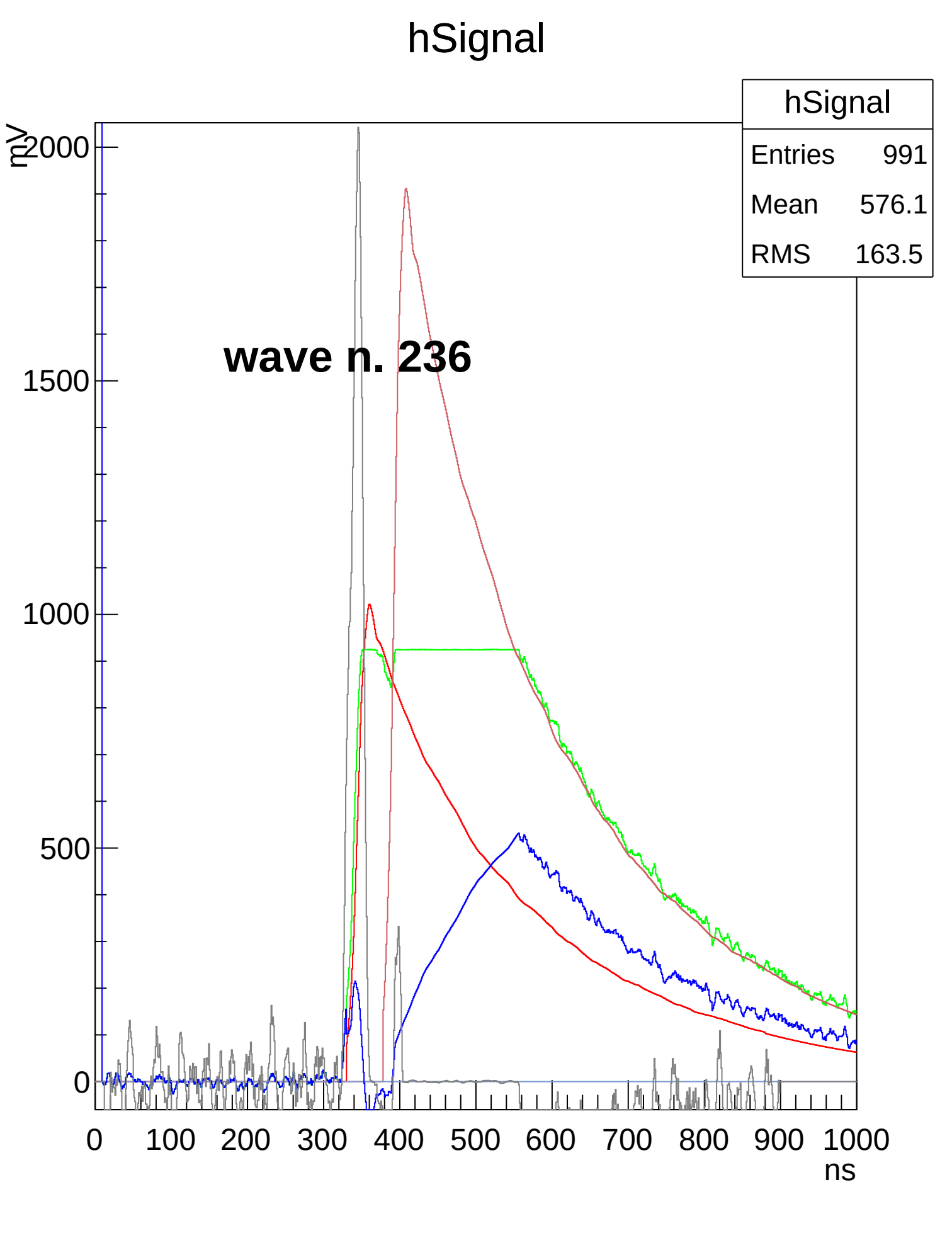

hSignal
hSignal
Entries 991
Mean 558
RMS 171.9
wave n. 231
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

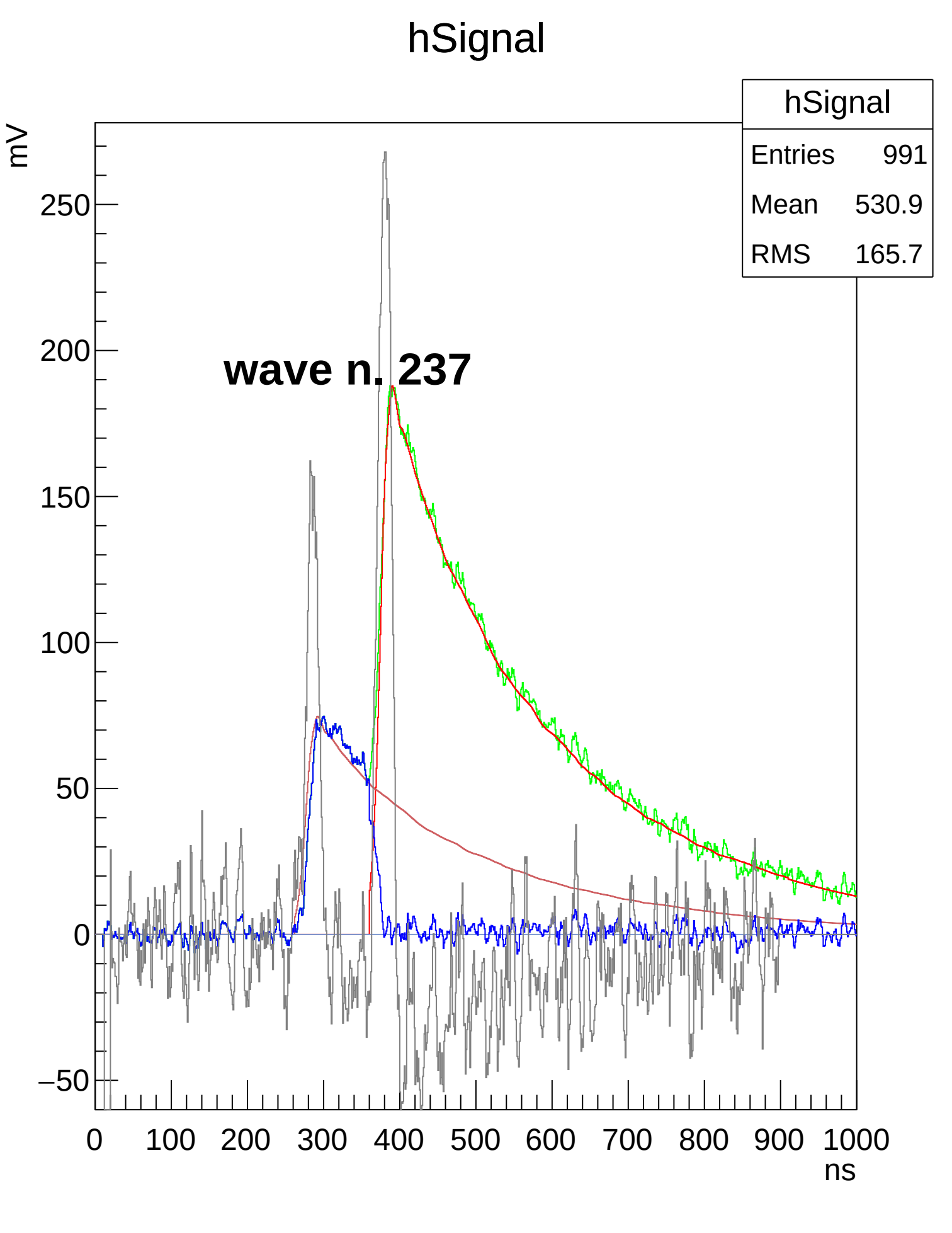

hSignal
hSignal
Entries 991
Mean 525.7
RMS 178.2
wave n. 232
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

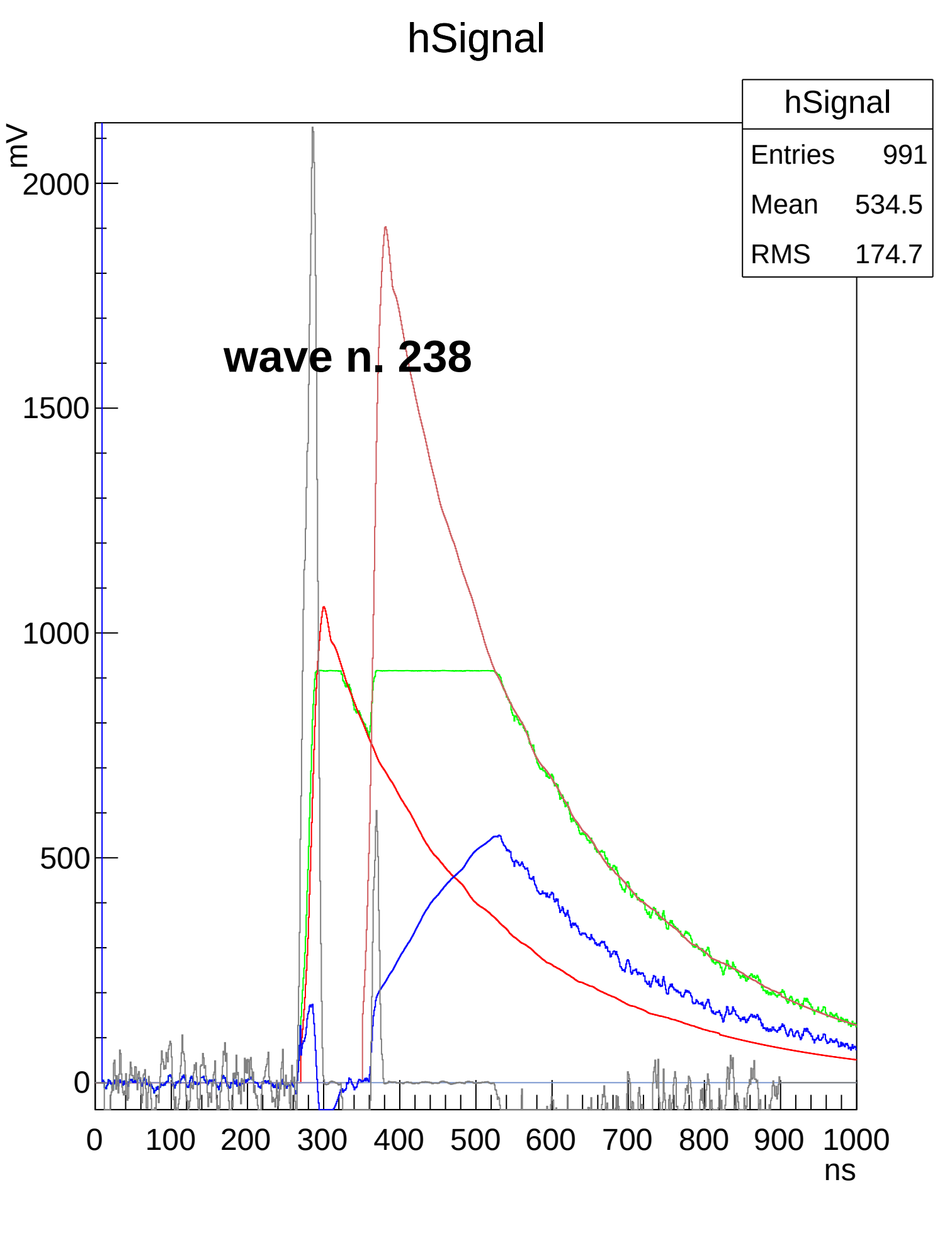

hSignal
hSignal
Entries 991
Mean 528.2
RMS 183.7
wave n. 233
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

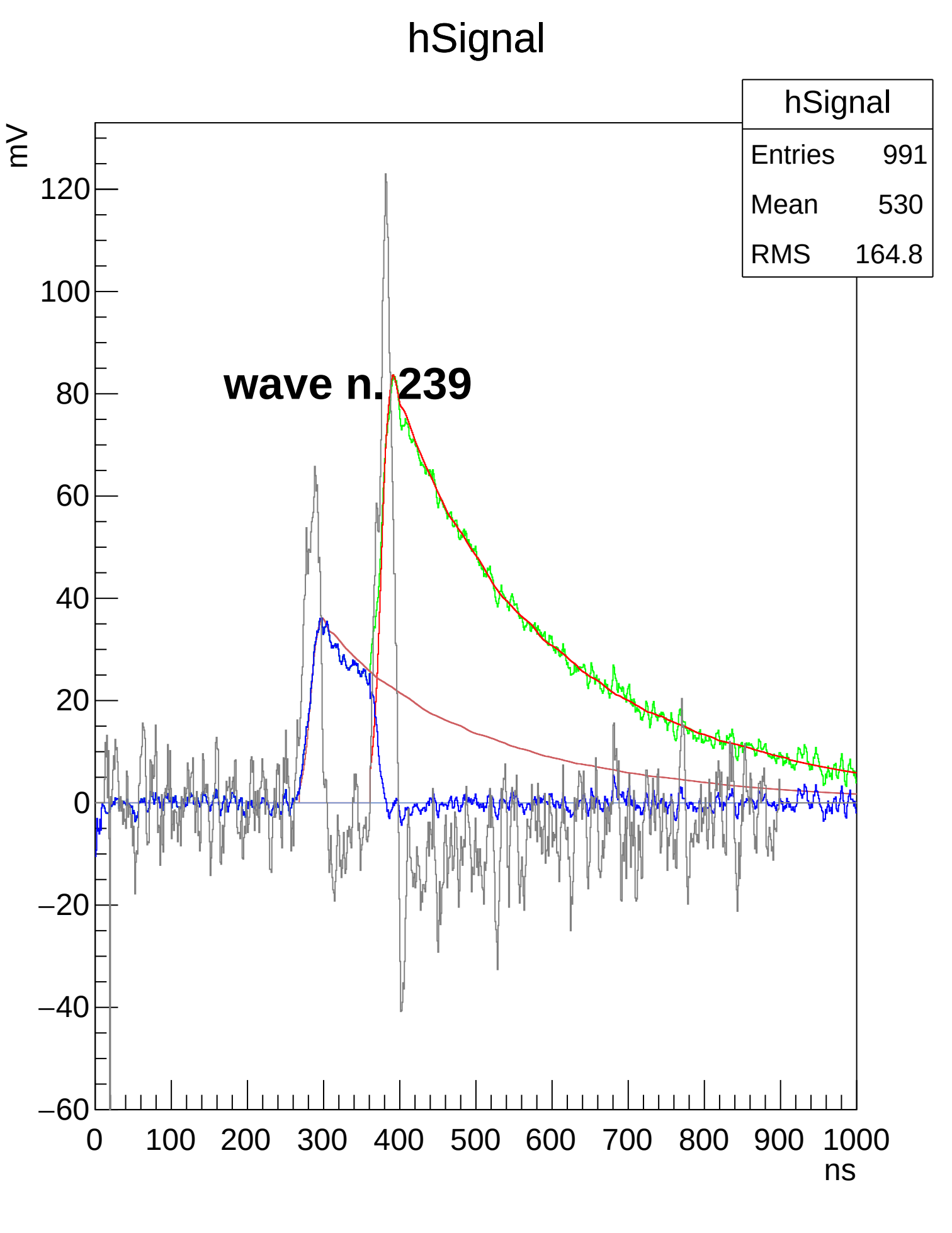

hSignal
hSignal
Entries 991
Mean 556.7
RMS 157.1
wave n. 234
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

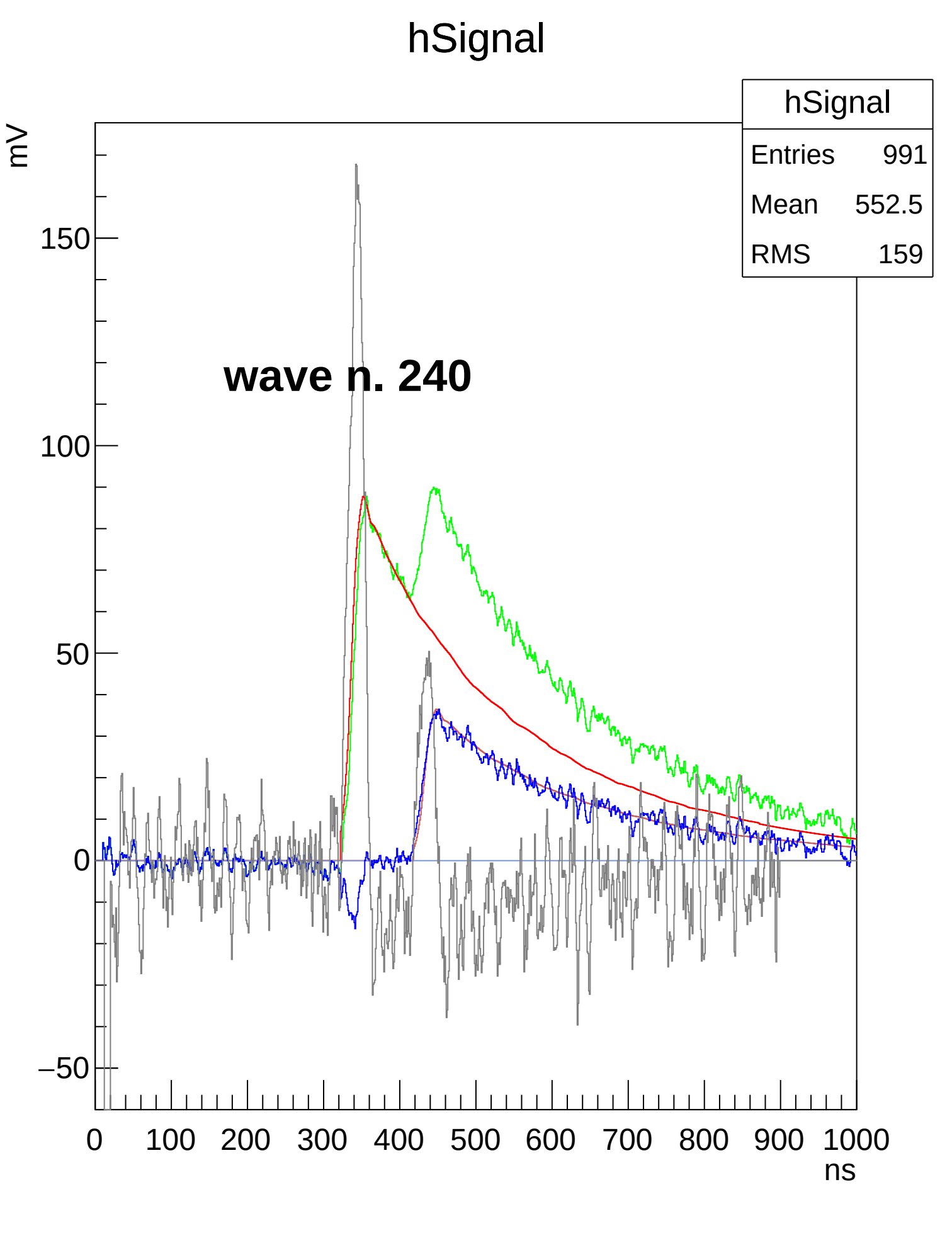

hSignal
hSignal
Entries 991
Mean 539.8
RMS 160.2
wave n. 235
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

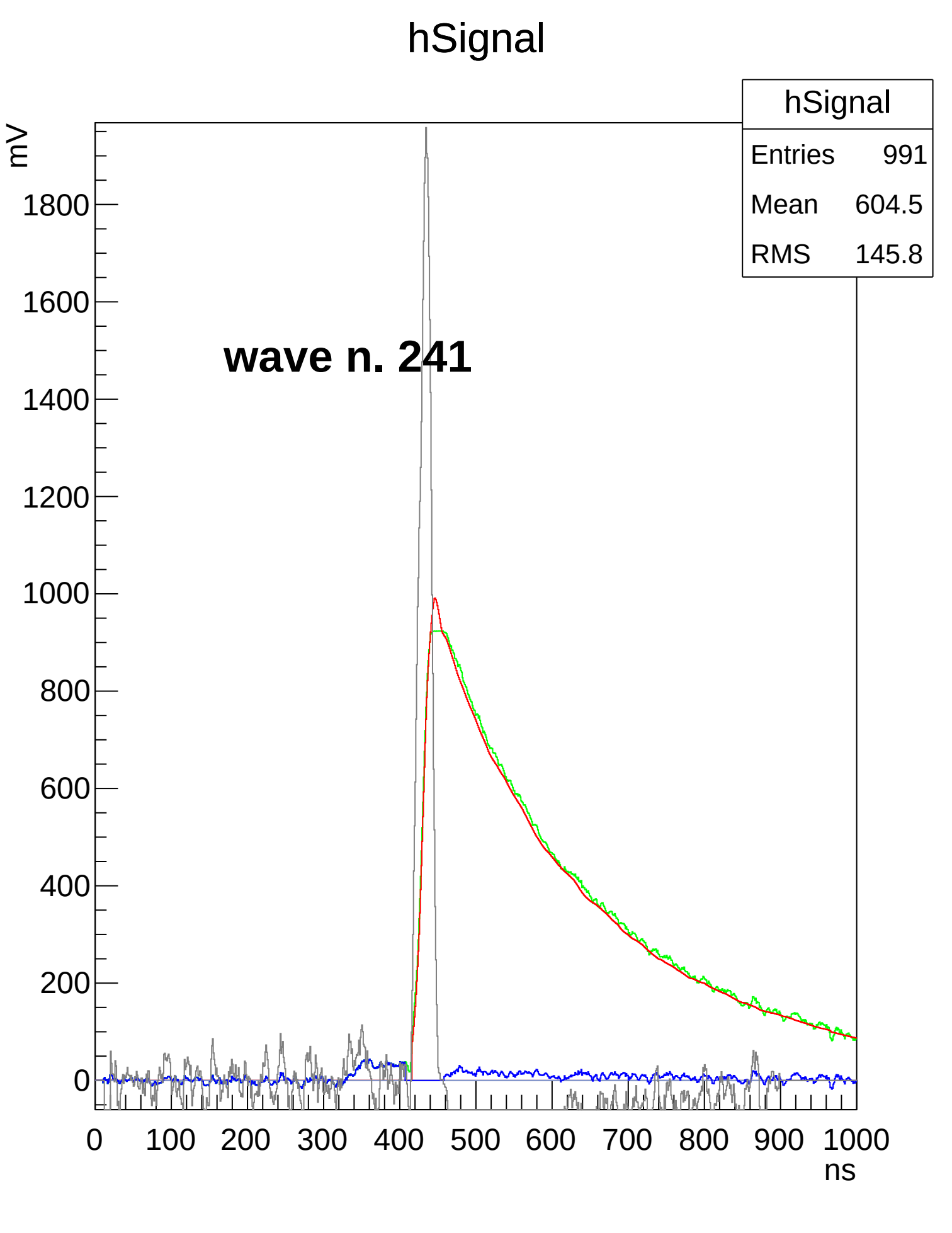

hSignal
hSignal
Entries 991
Mean 576.1
RMS 163.5
wave n. 236
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

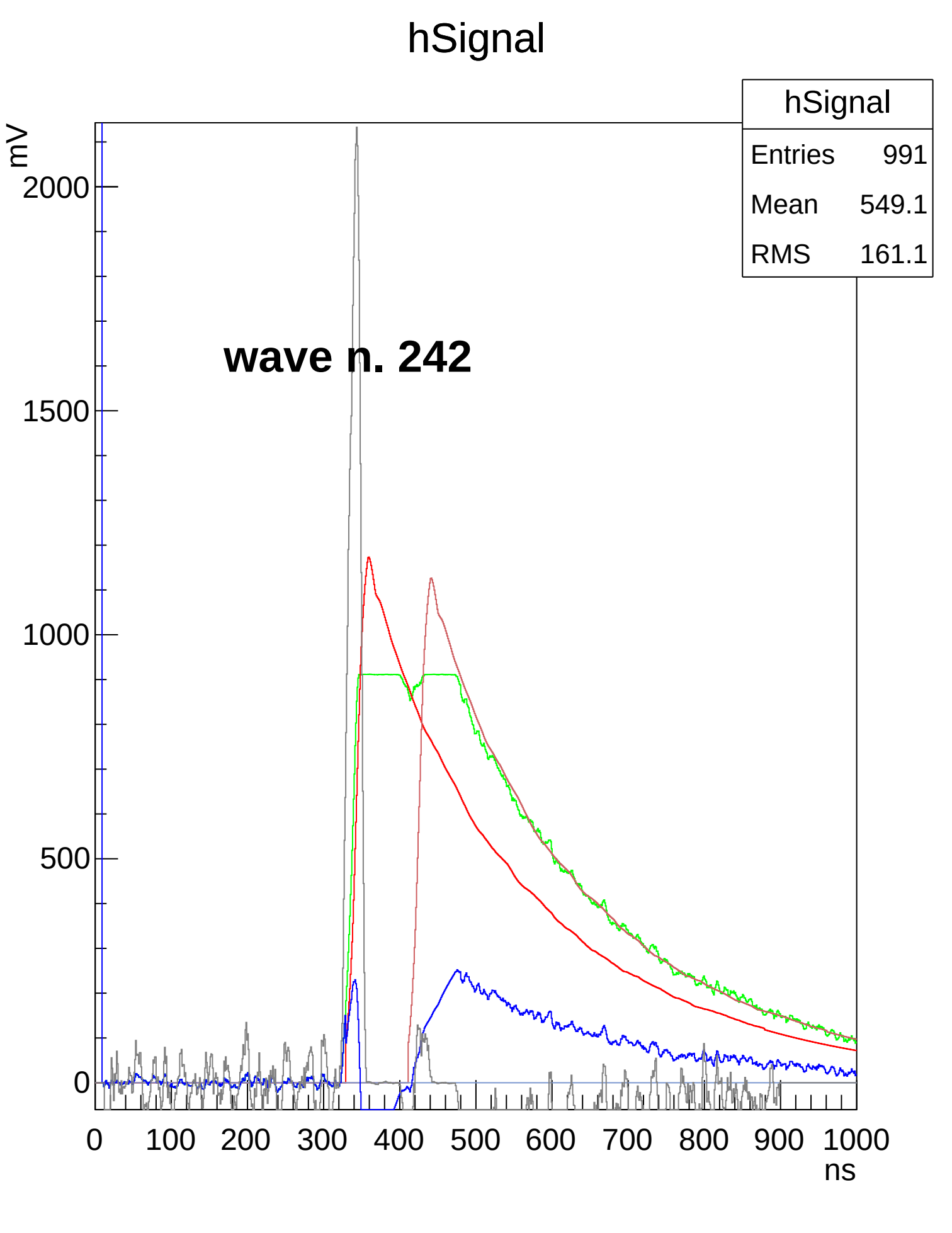

hSignal
hSignal
Entries 991
Mean 530.9
RMS 165.7
wave n. 237
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

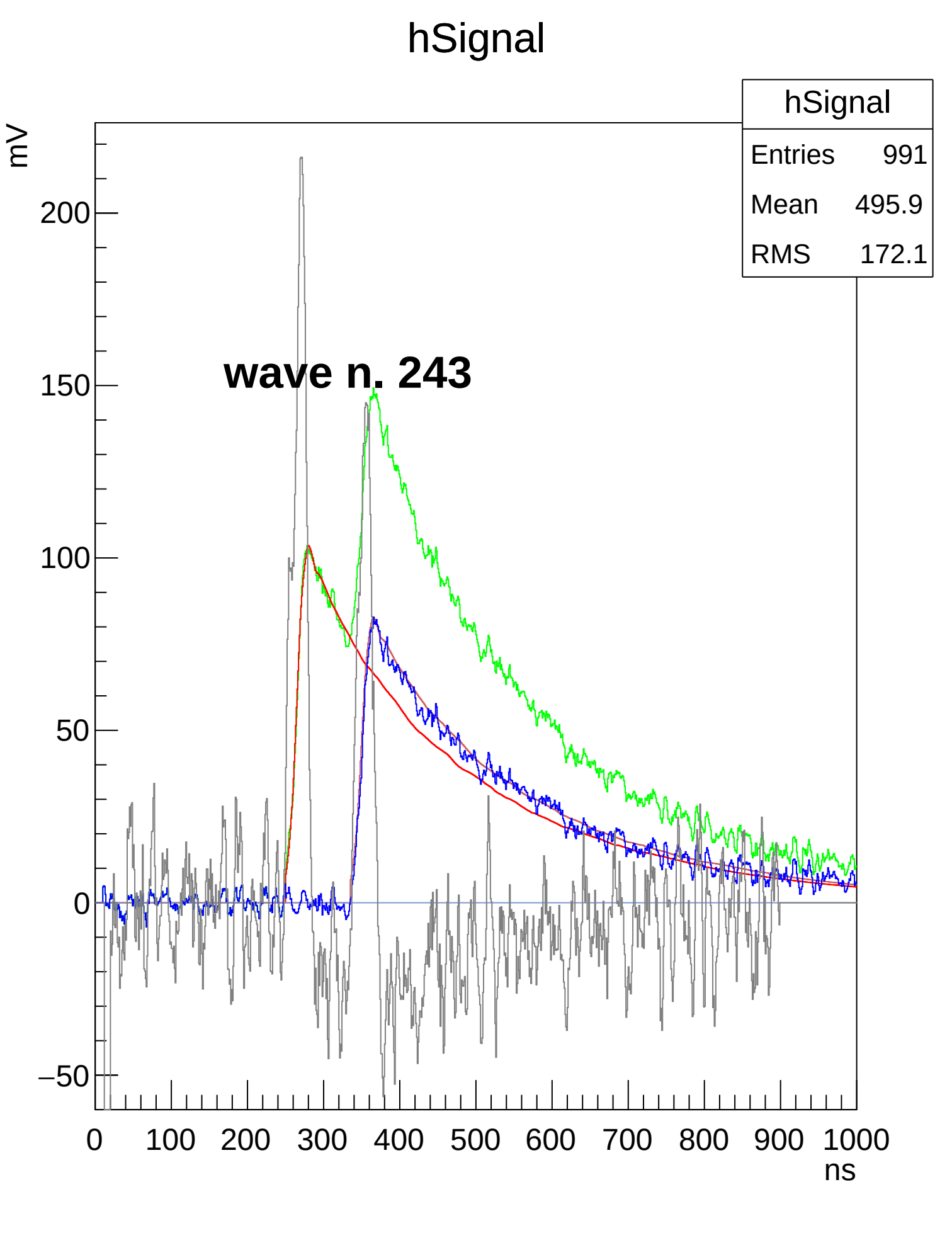

hSignal
hSignal
Entries 991
Mean 534.5
RMS 174.7
wave n. 238
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

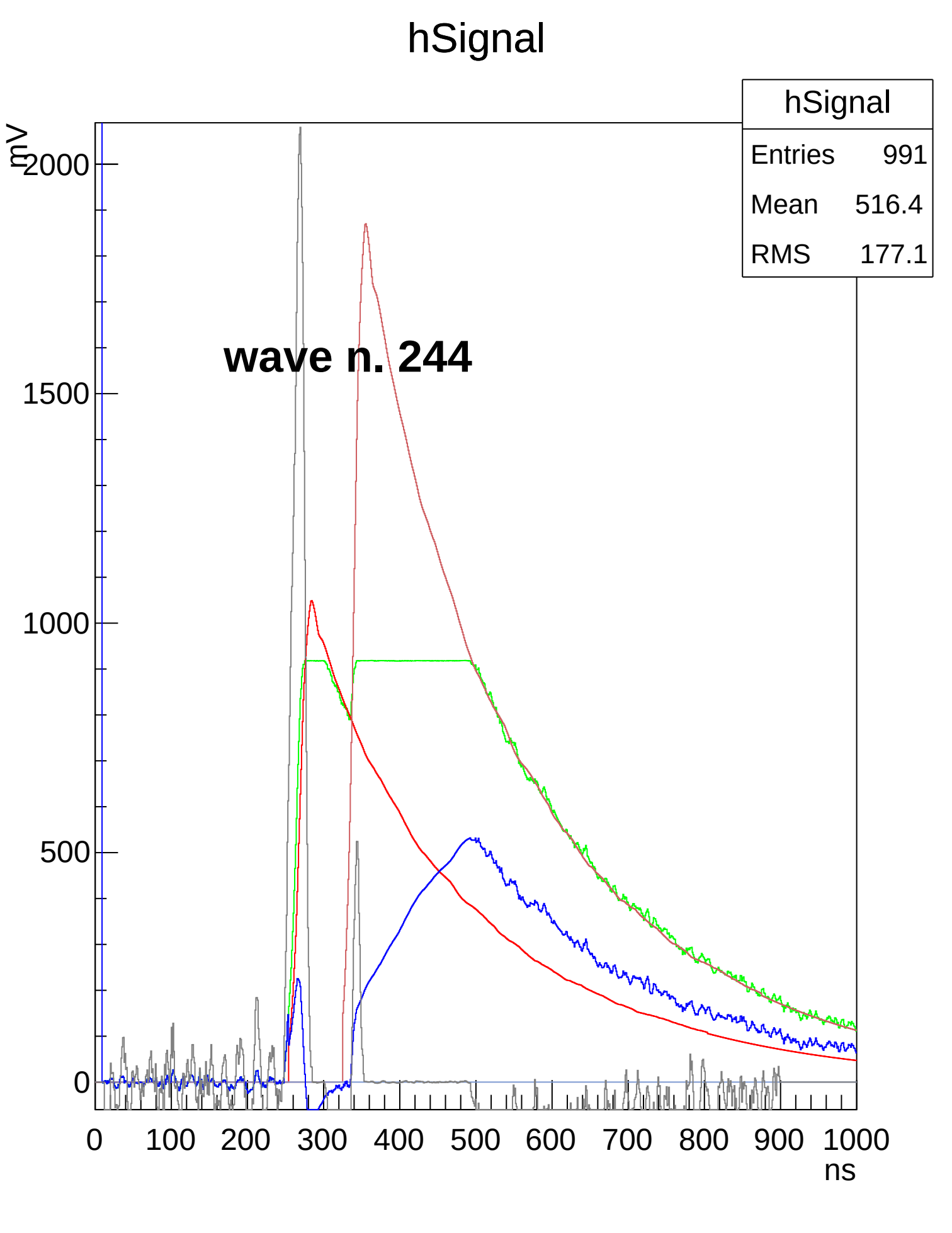

hSignal
hSignal
Entries 991
Mean 530
RMS 164.8
wave n. 239
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

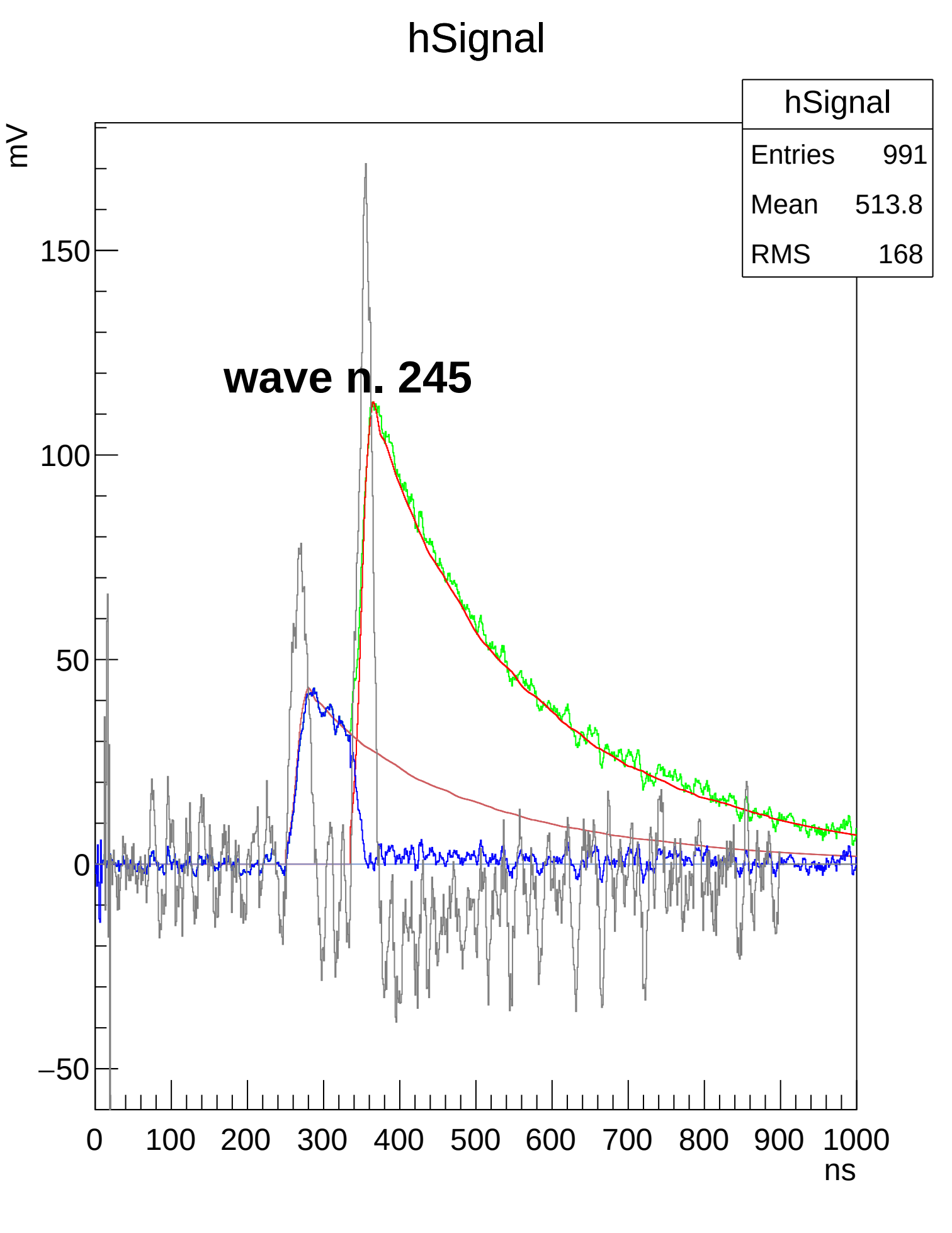

hSignal
hSignal
Entries 991
Mean 552.5
RMS 159
wave n. 240
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

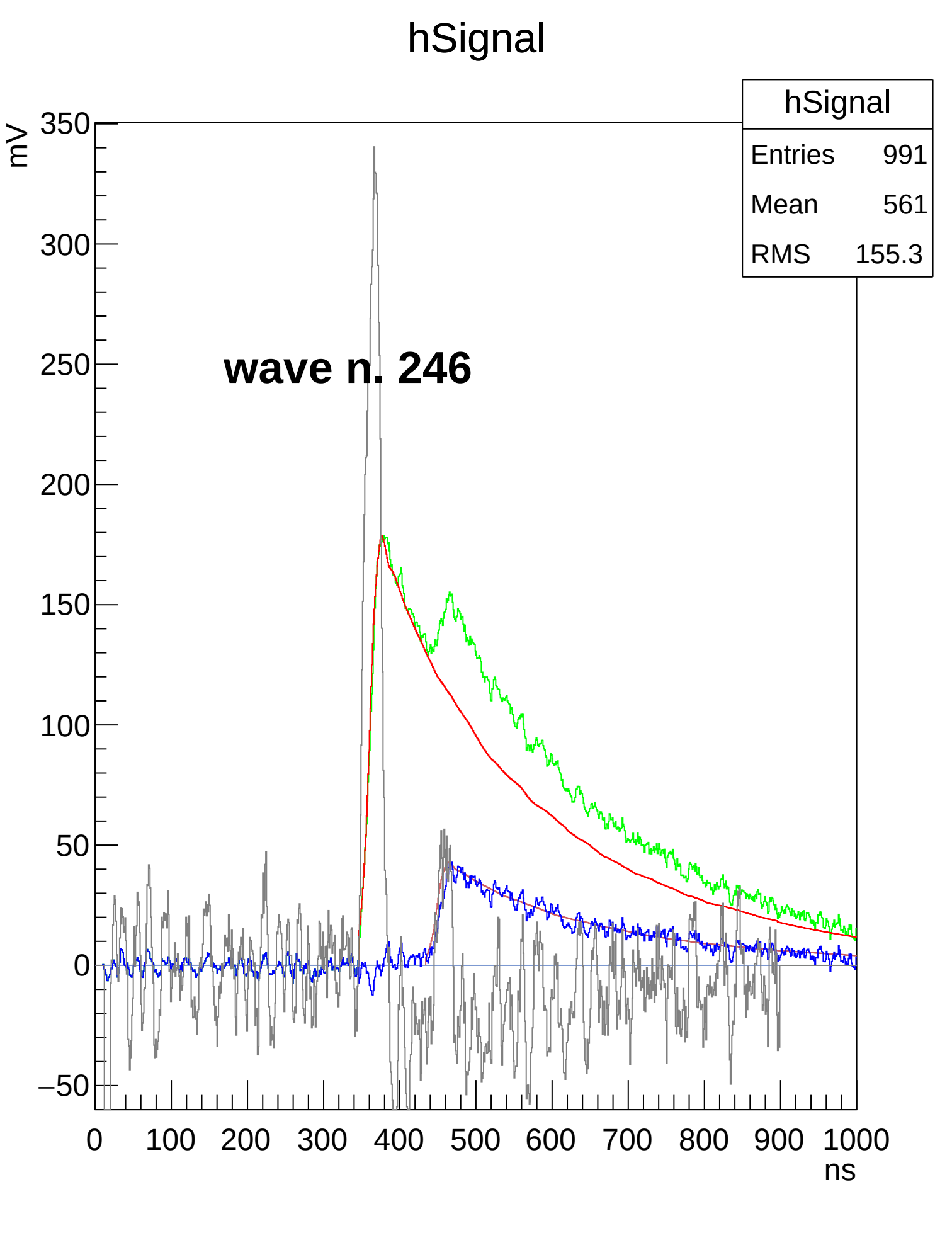

hSignal
hSignal
Entries 991
Mean 604.5
RMS 145.8
wave n. 241
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

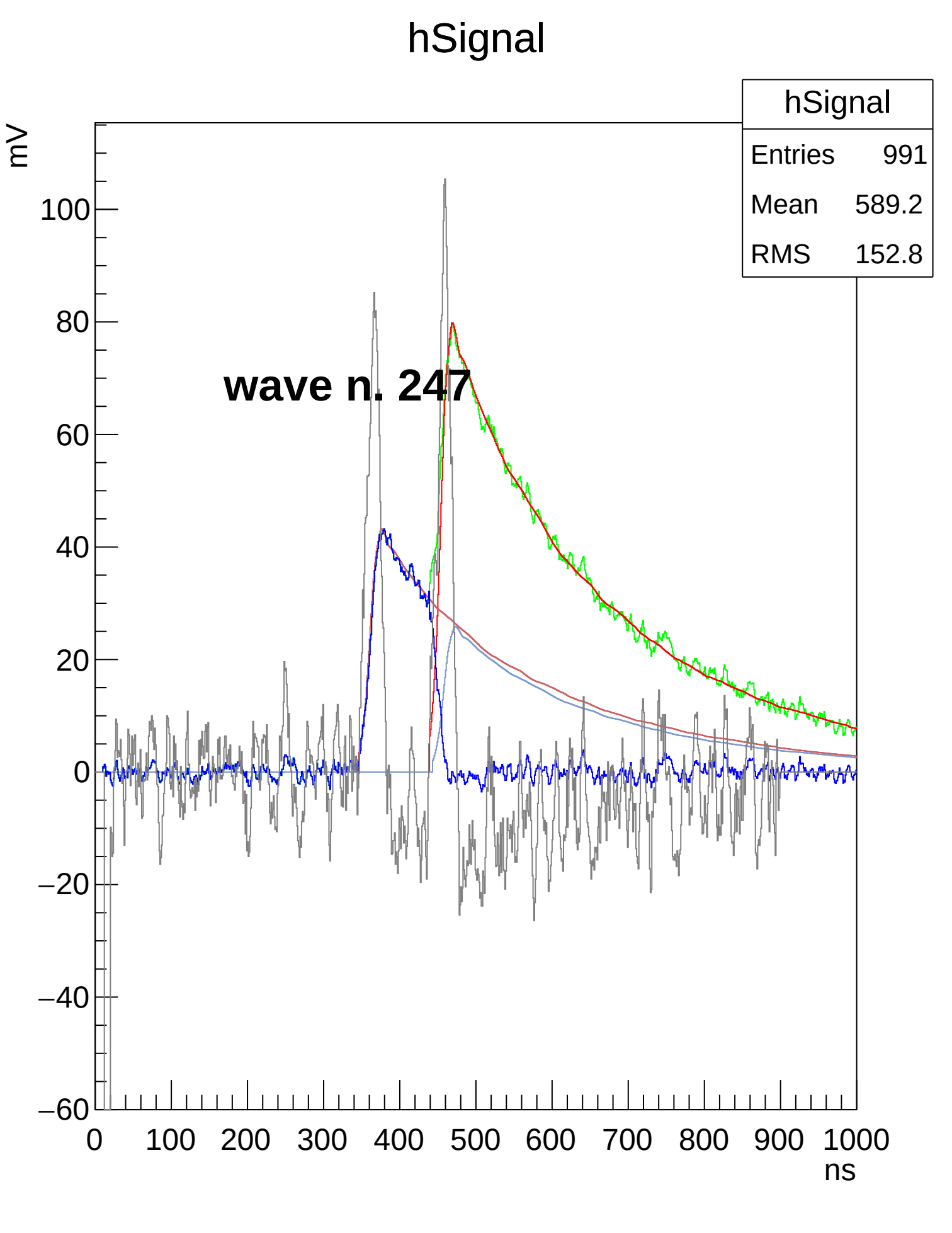

hSignal
hSignal
Entries 991
Mean 549.1
RMS 161.1
wave n. 242
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

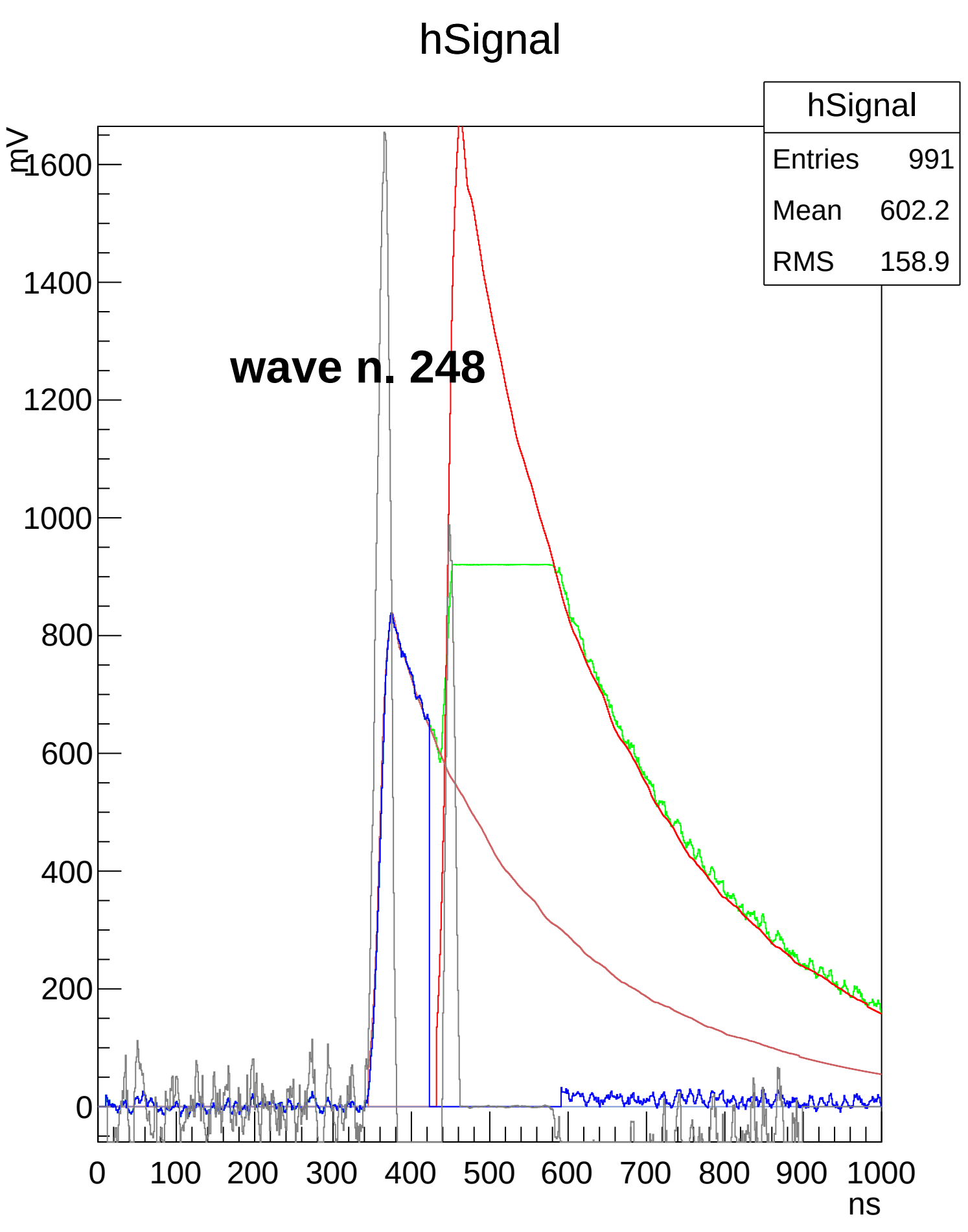

hSignal
hSignal
Entries 991
Mean 495.9
RMS 172.1
wave n. 243
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

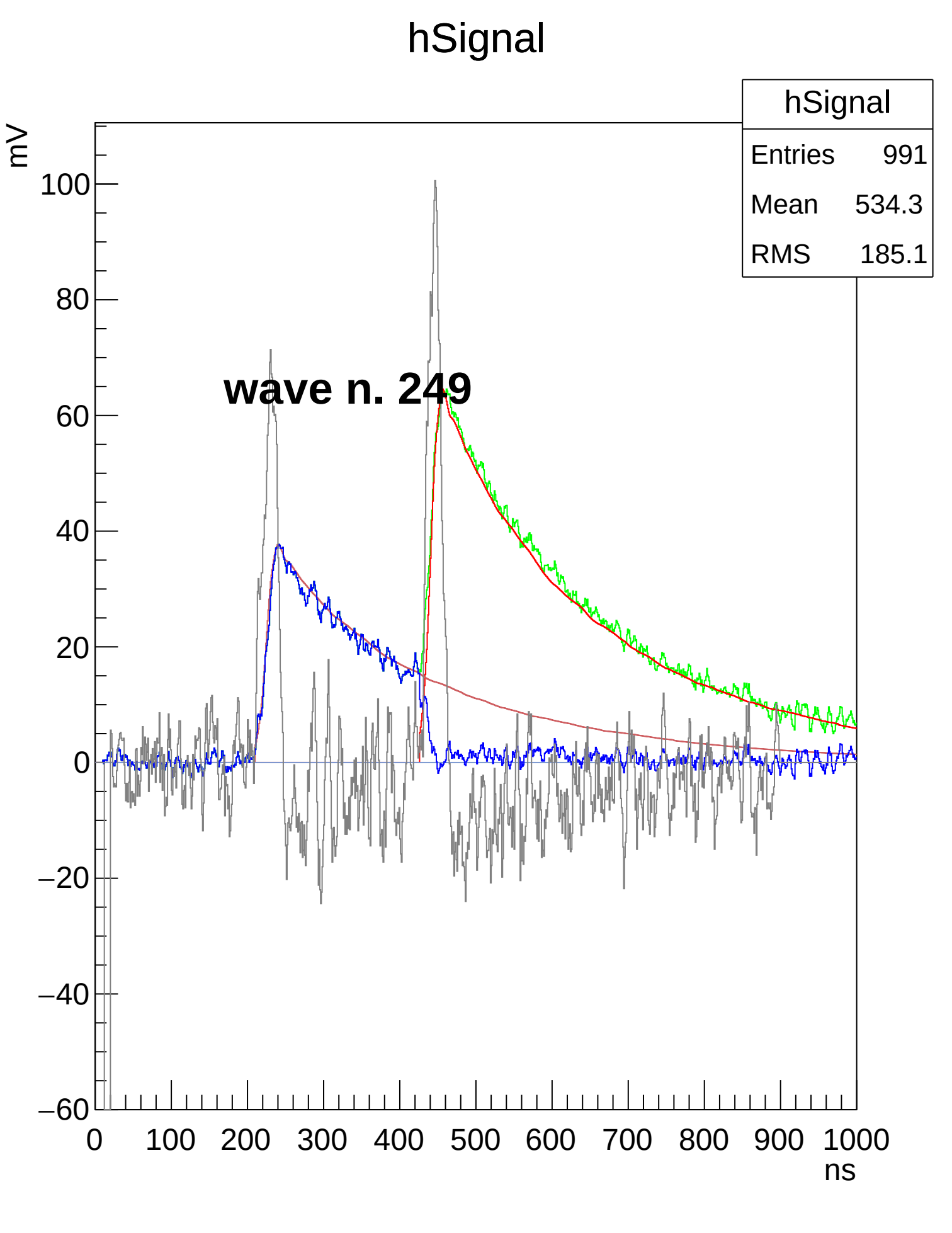

hSignal
hSignal
Entries 991
Mean 516.4
RMS 177.1
wave n. 244
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

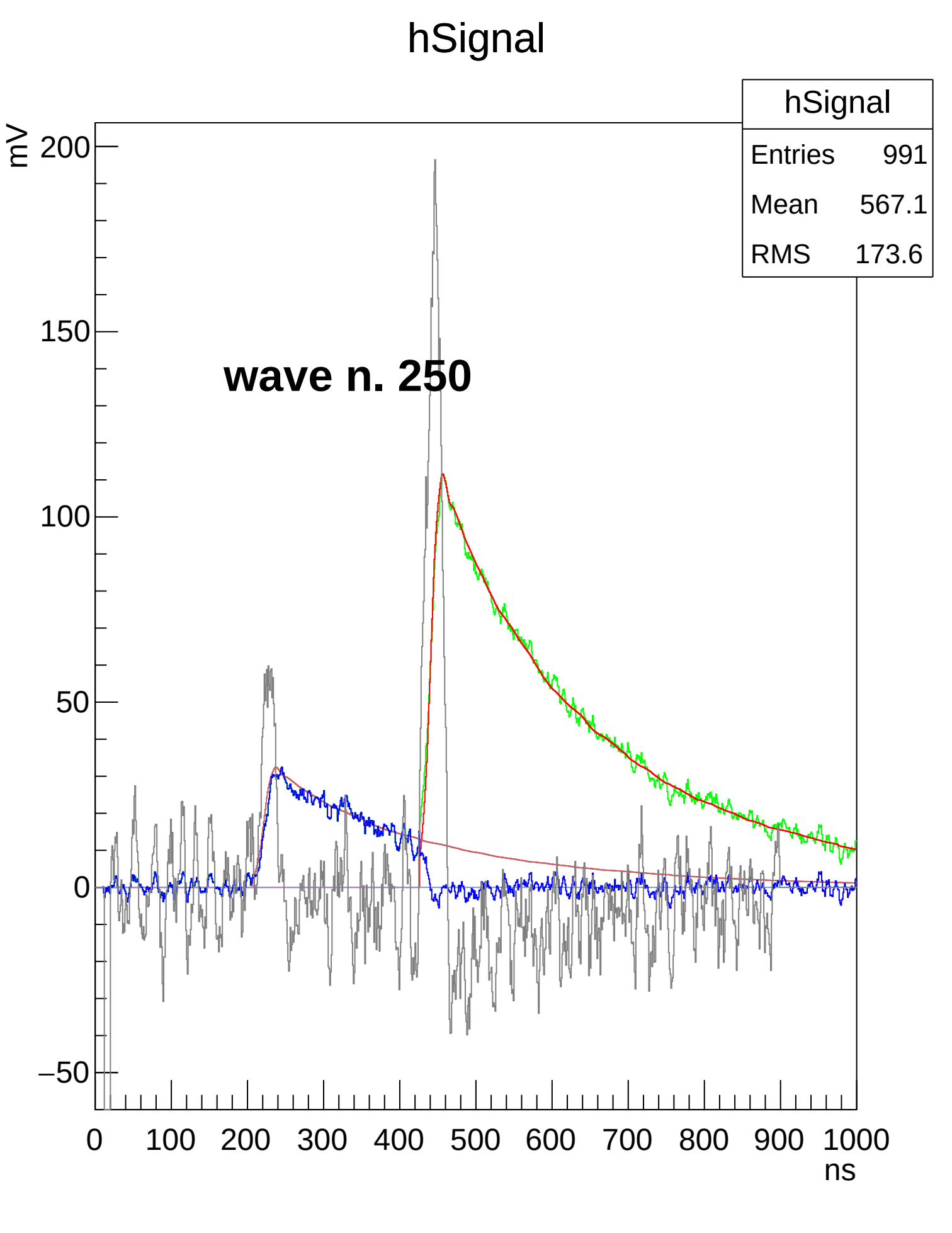

hSignal
hSignal
Entries 991
Mean 513.8
RMS 168
wave n. 245
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

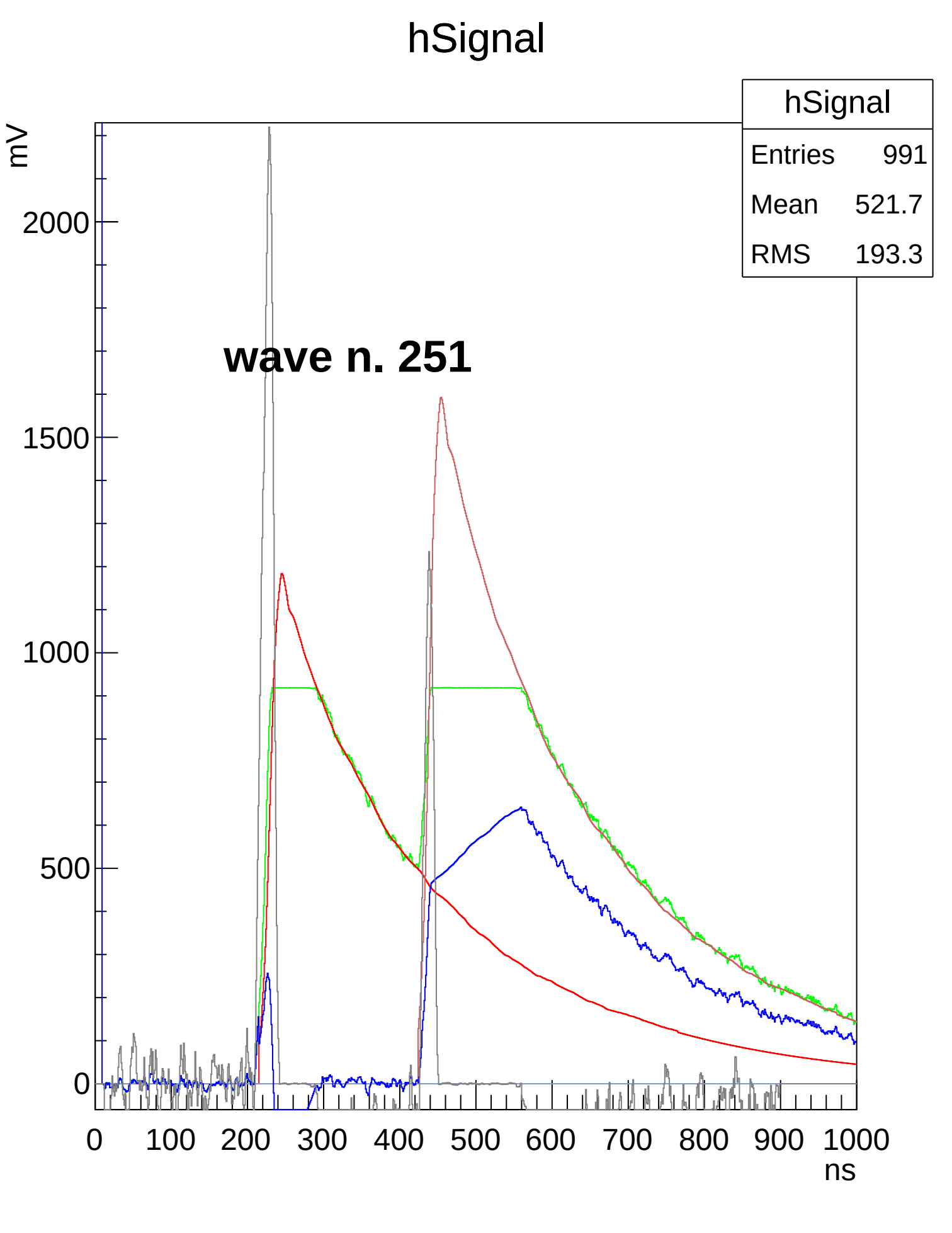

hSignal
hSignal
Entries 991
Mean 561
RMS 155.3
wave n. 246
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

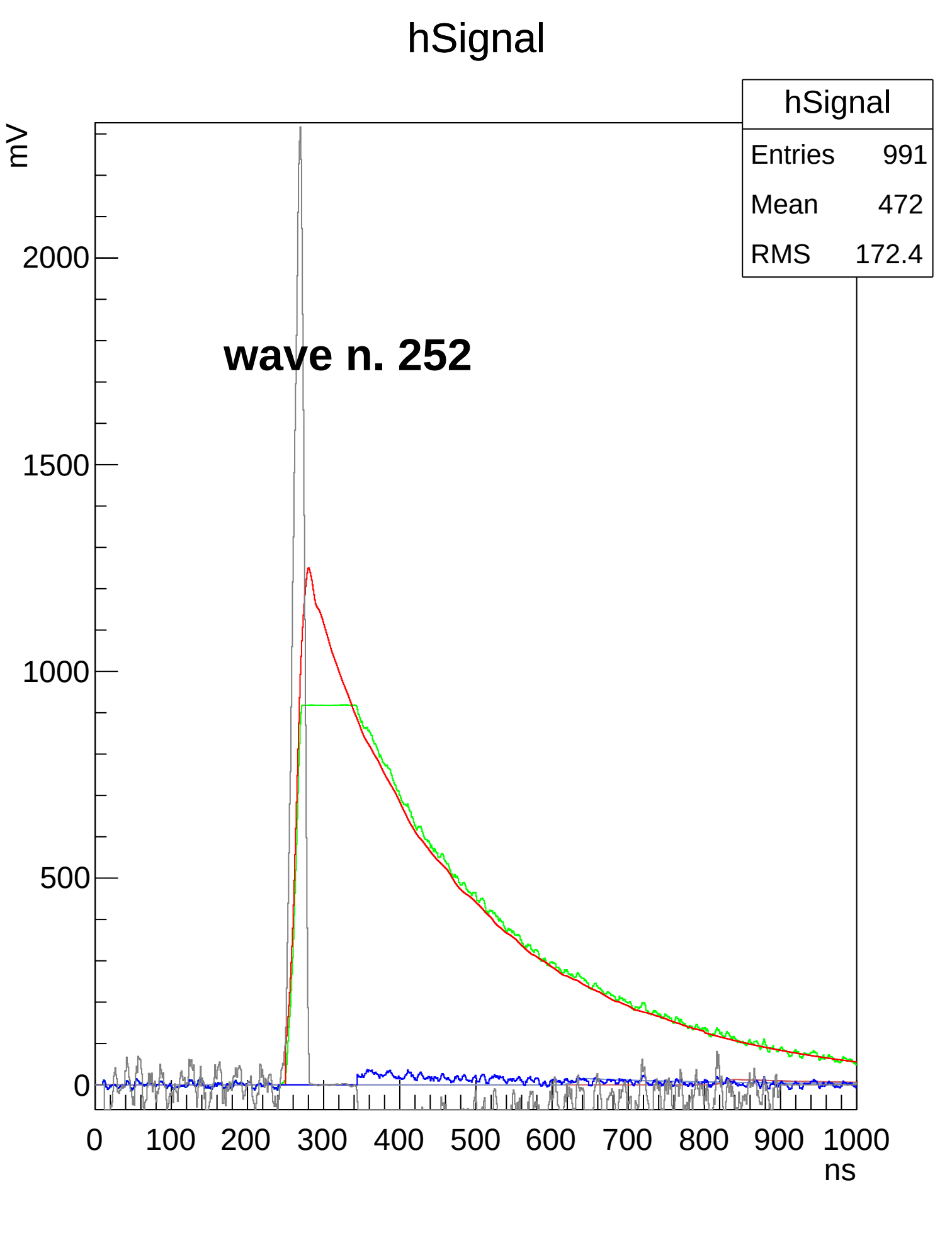

hSignal
hSignal
Entries 991
Mean 589.2
RMS 152.8
wave n. 247
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

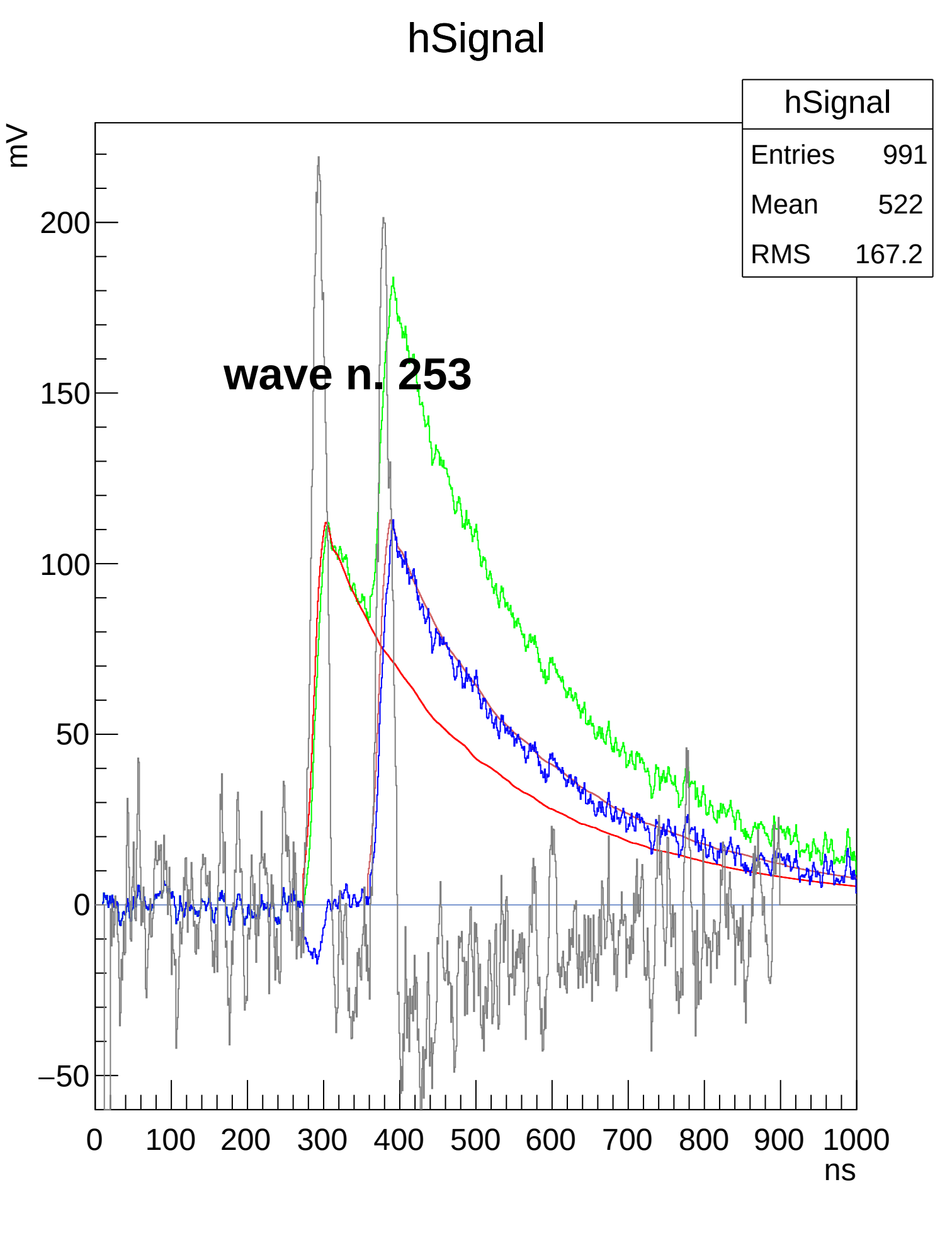

hSignal
hSignal
Entries 991
Mean 602.2
RMS 158.9
wave n. 248
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

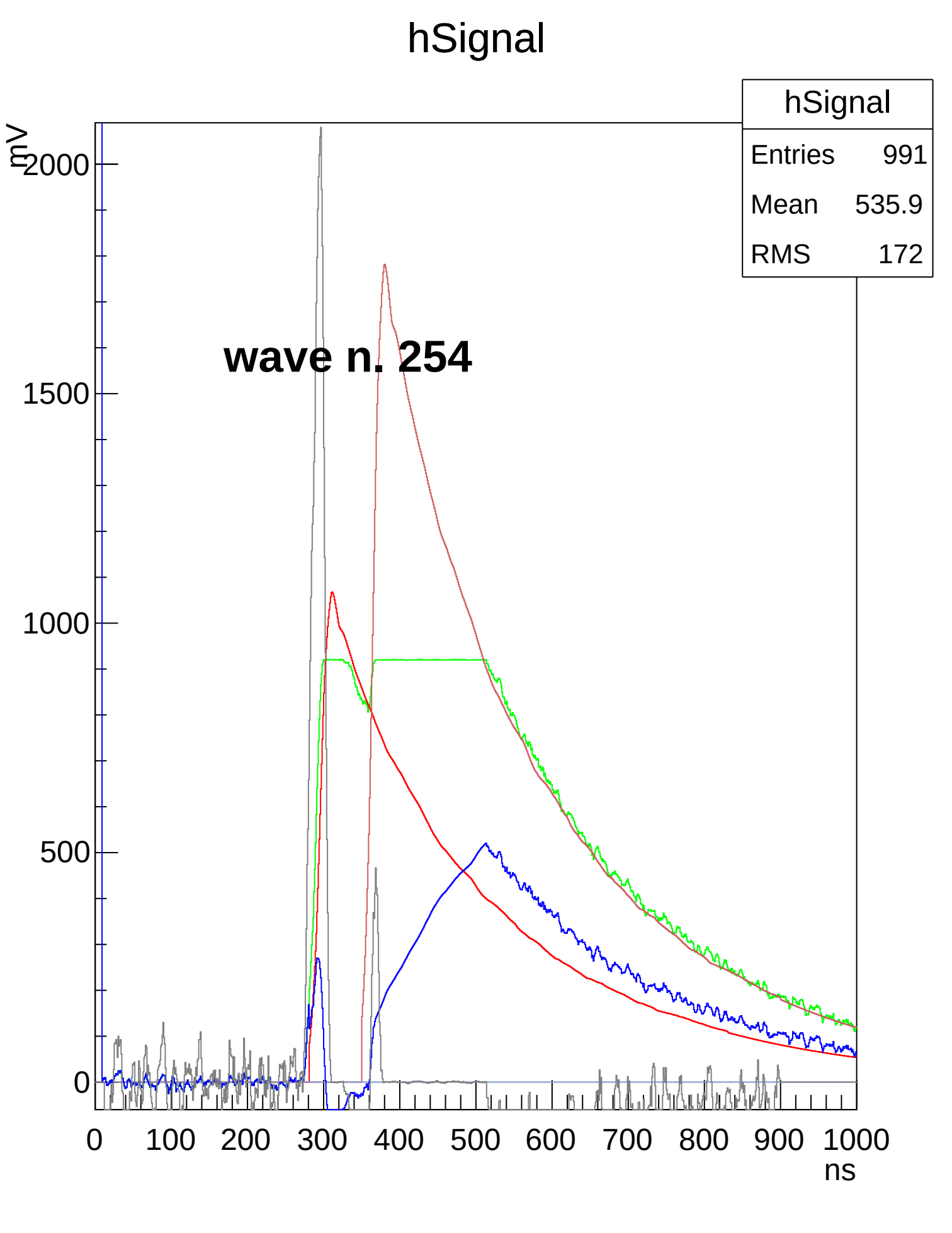

hSignal
hSignal
Entries 991
Mean 534.3
RMS 185.1
wave n. 249
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

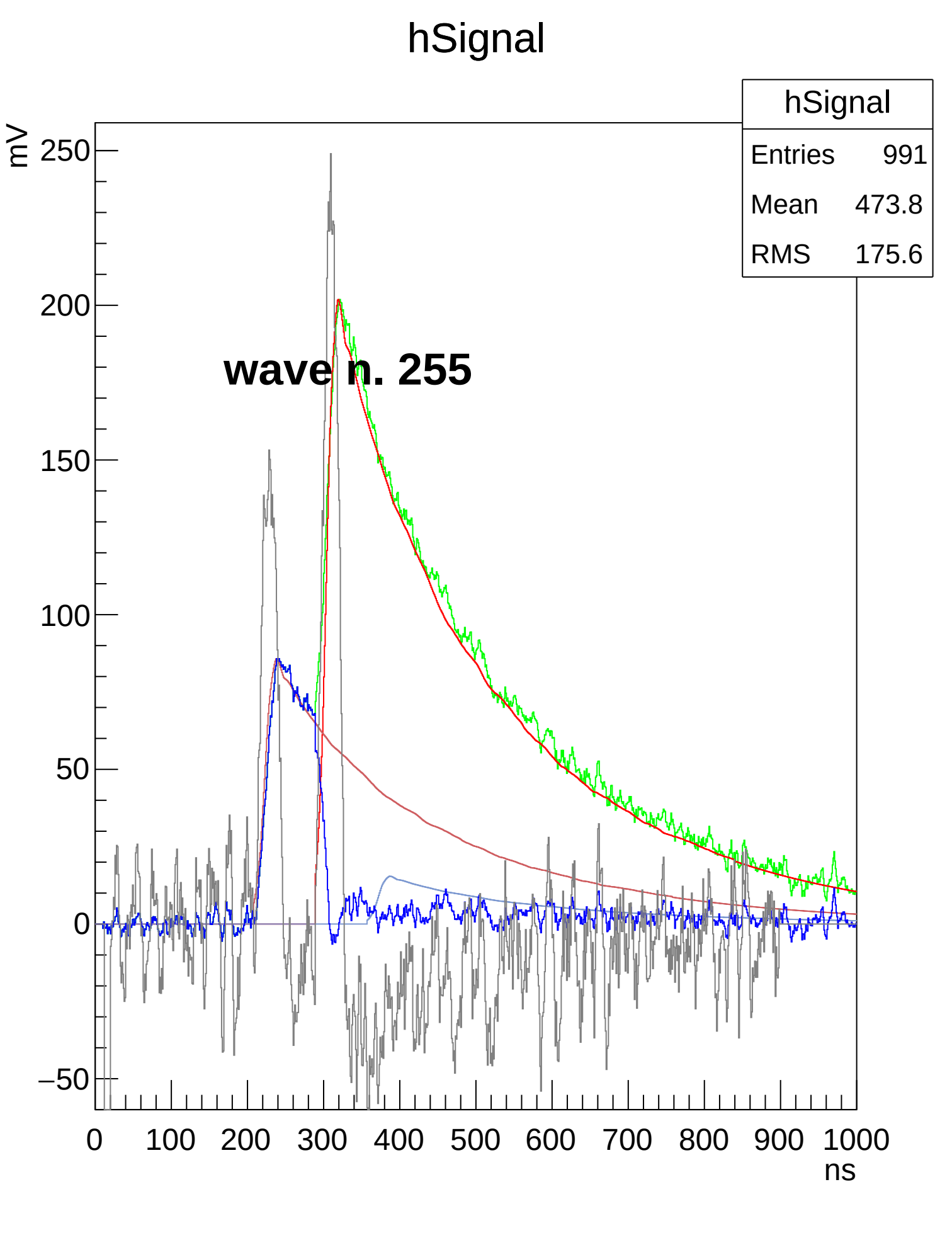

hSignal
hSignal
Entries 991
Mean 567.1
RMS 173.6
wave n. 250
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

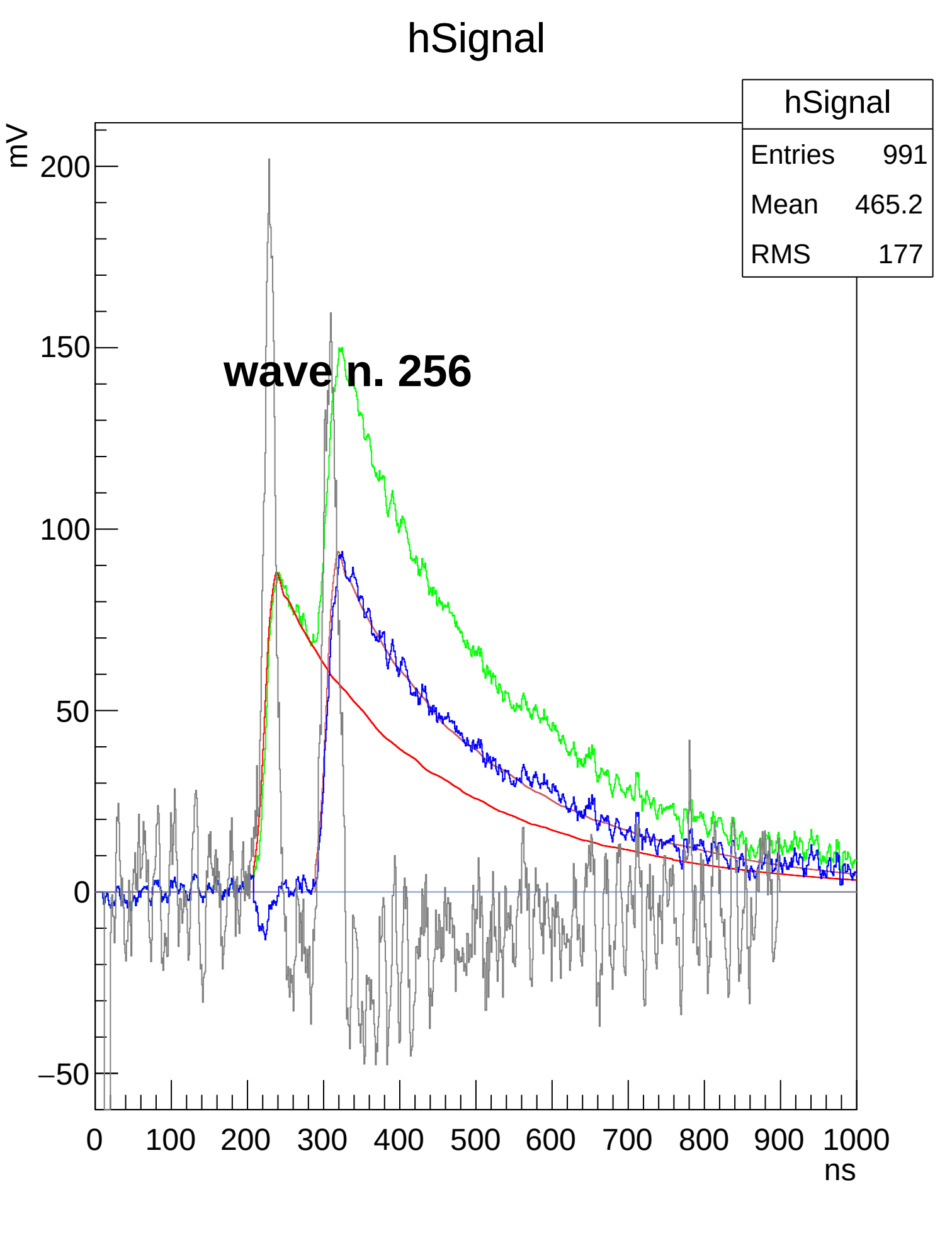

hSignal
hSignal
Entries 991
Mean 521.7
RMS 193.3
wave n. 251
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

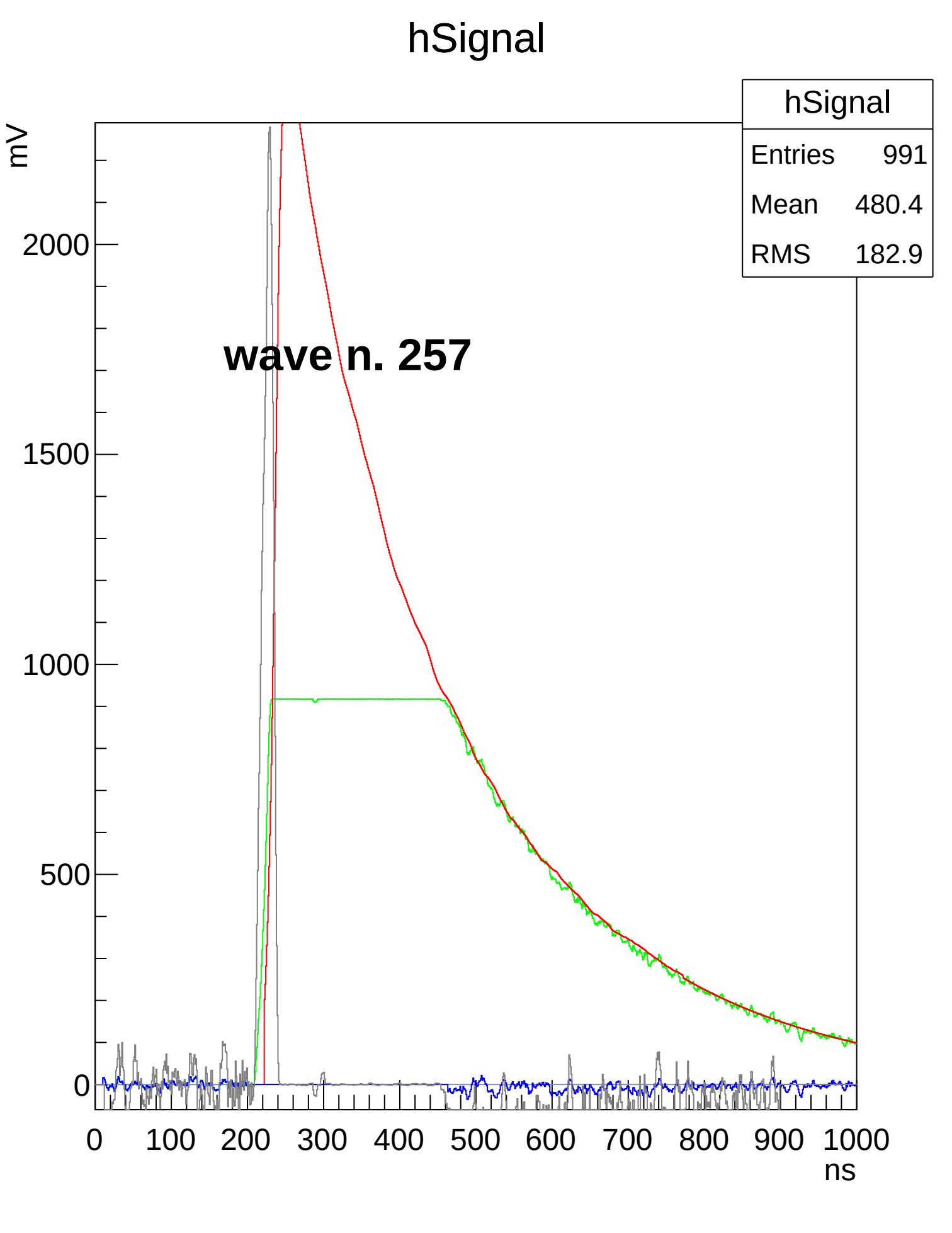

hSignal
hSignal
Entries 991
Mean 472
RMS 172.4
wave n. 252
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

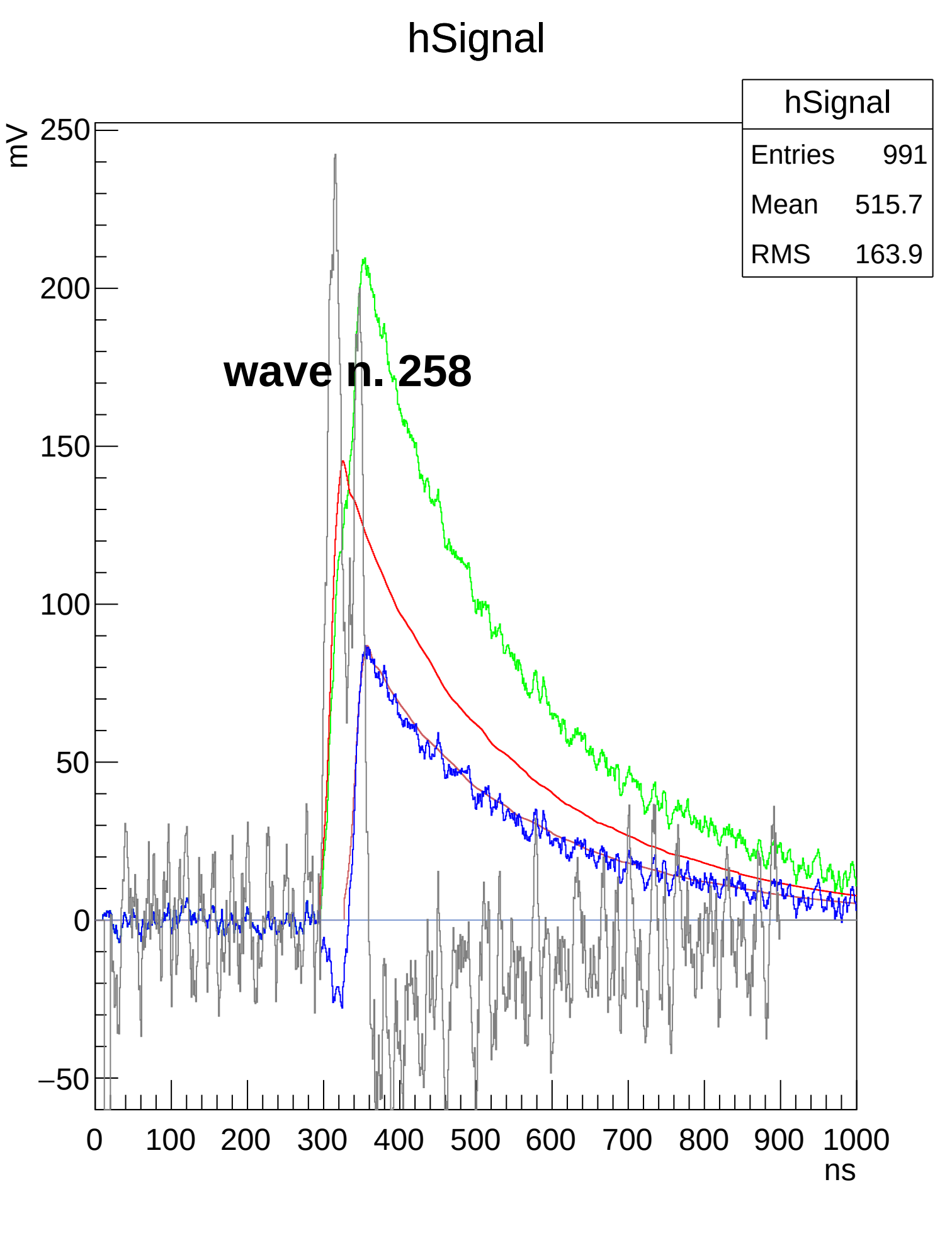

hSignal
hSignal
Entries 991
Mean 522
RMS 167.2
wave n. 253
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

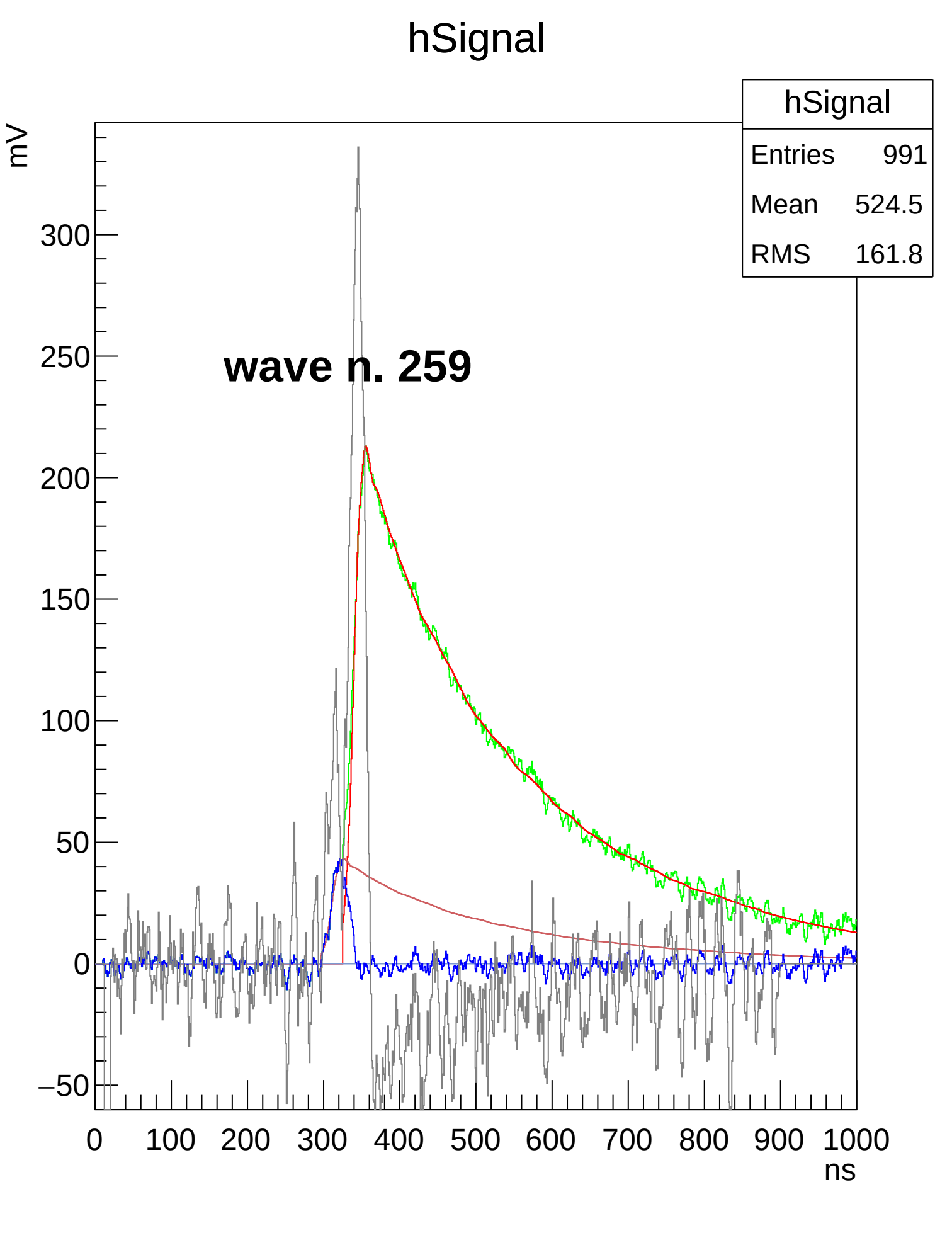

hSignal
hSignal
Entries 991
Mean 535.9
RMS 172
wave n. 254
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

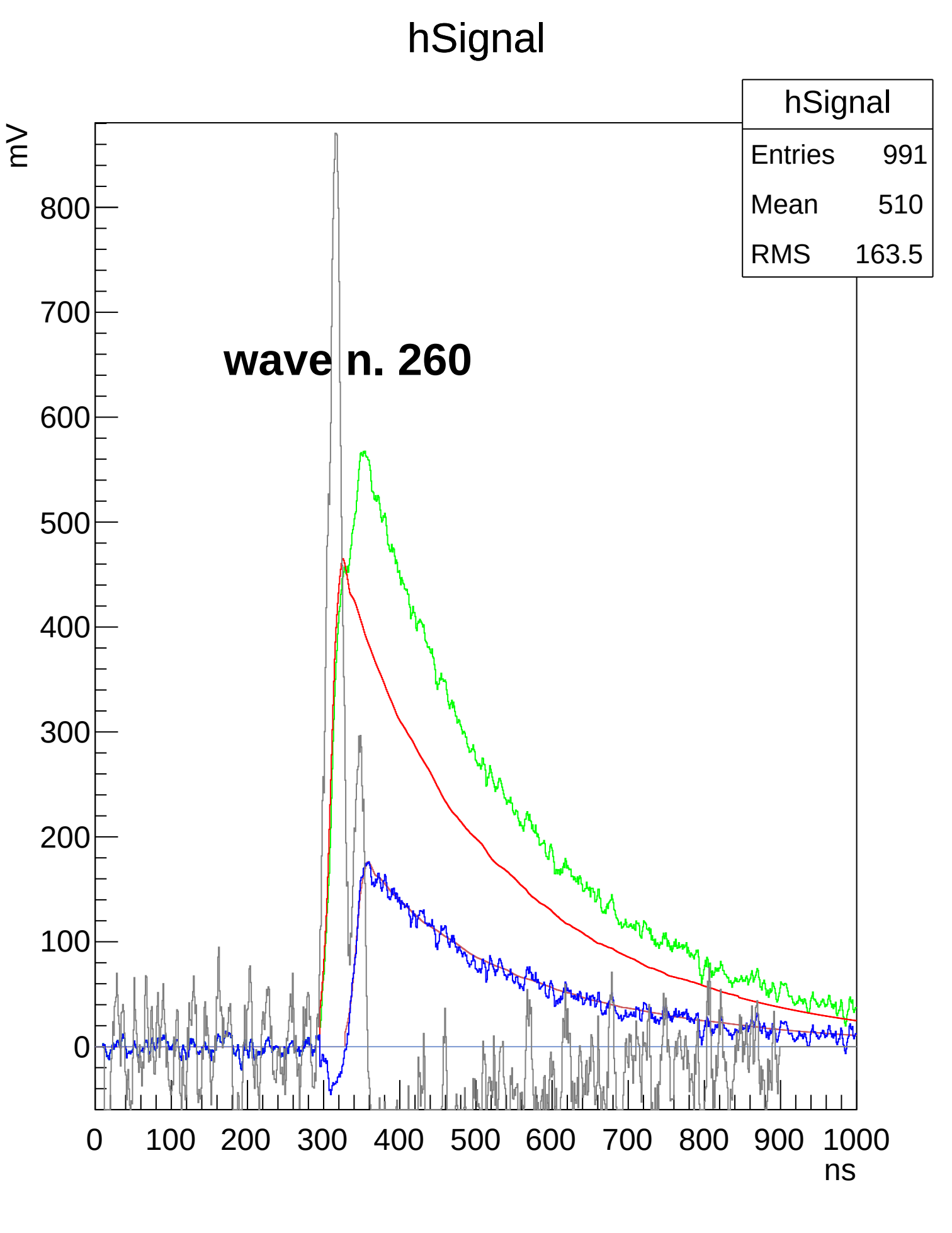

hSignal
hSignal
Entries 991
Mean 473.8
RMS 175.6
wave n. 255
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

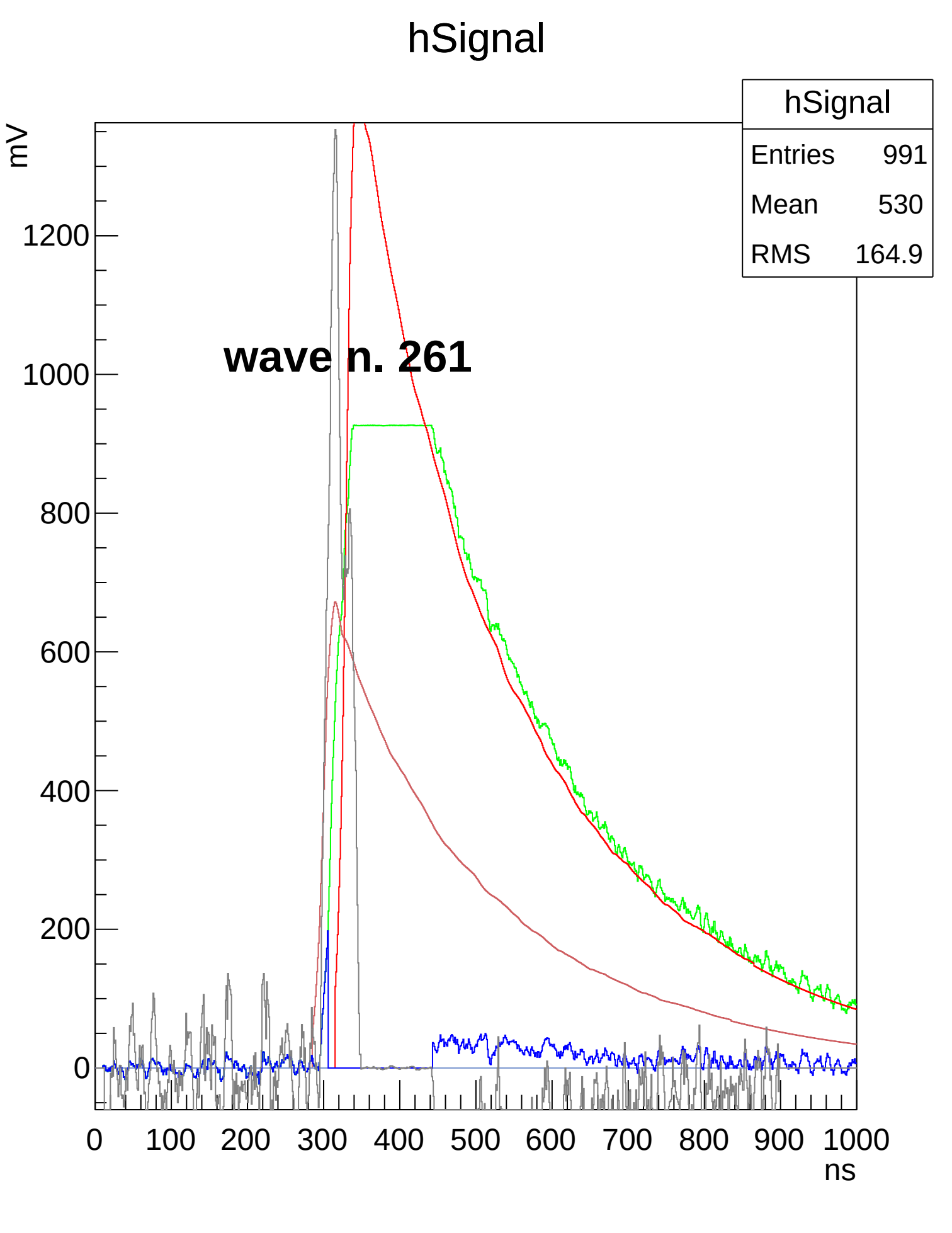

hSignal
hSignal
Entries 991
Mean 465.2
RMS 177
wave n. 256
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

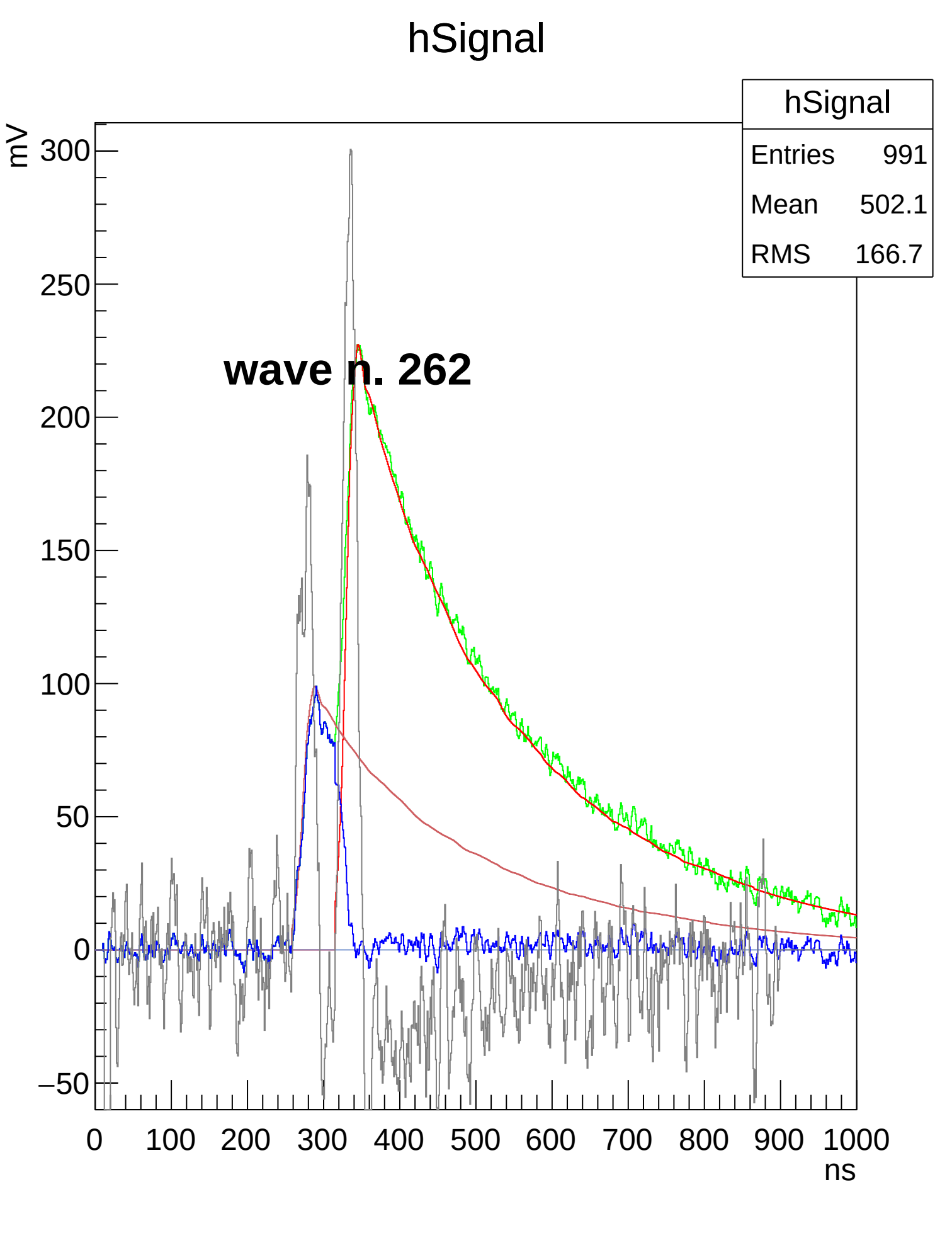

hSignal
hSignal
Entries 991
Mean 480.4
RMS 182.9
wave n. 257
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

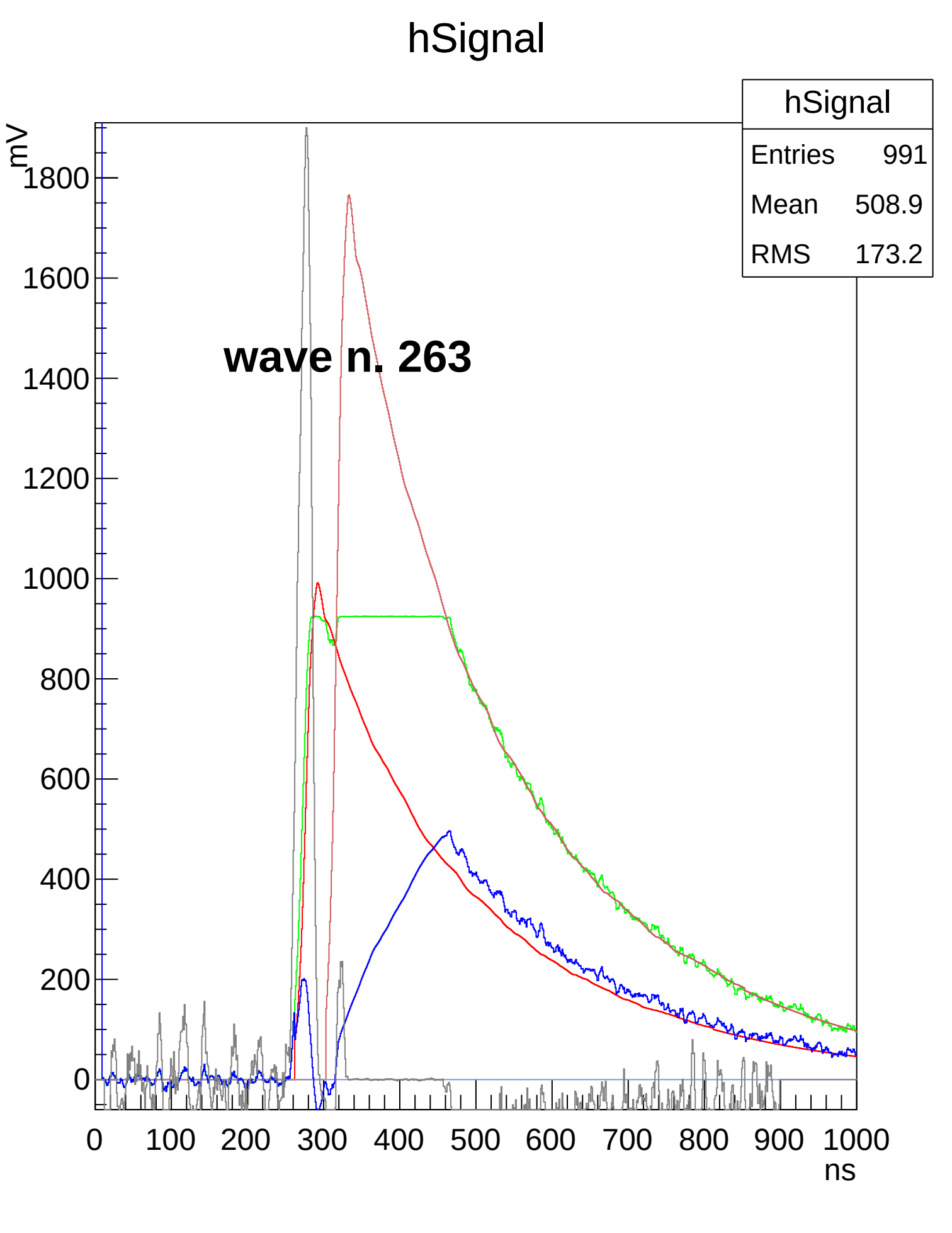

hSignal
hSignal
Entries 991
Mean 515.7
RMS 163.9
wave n. 258
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

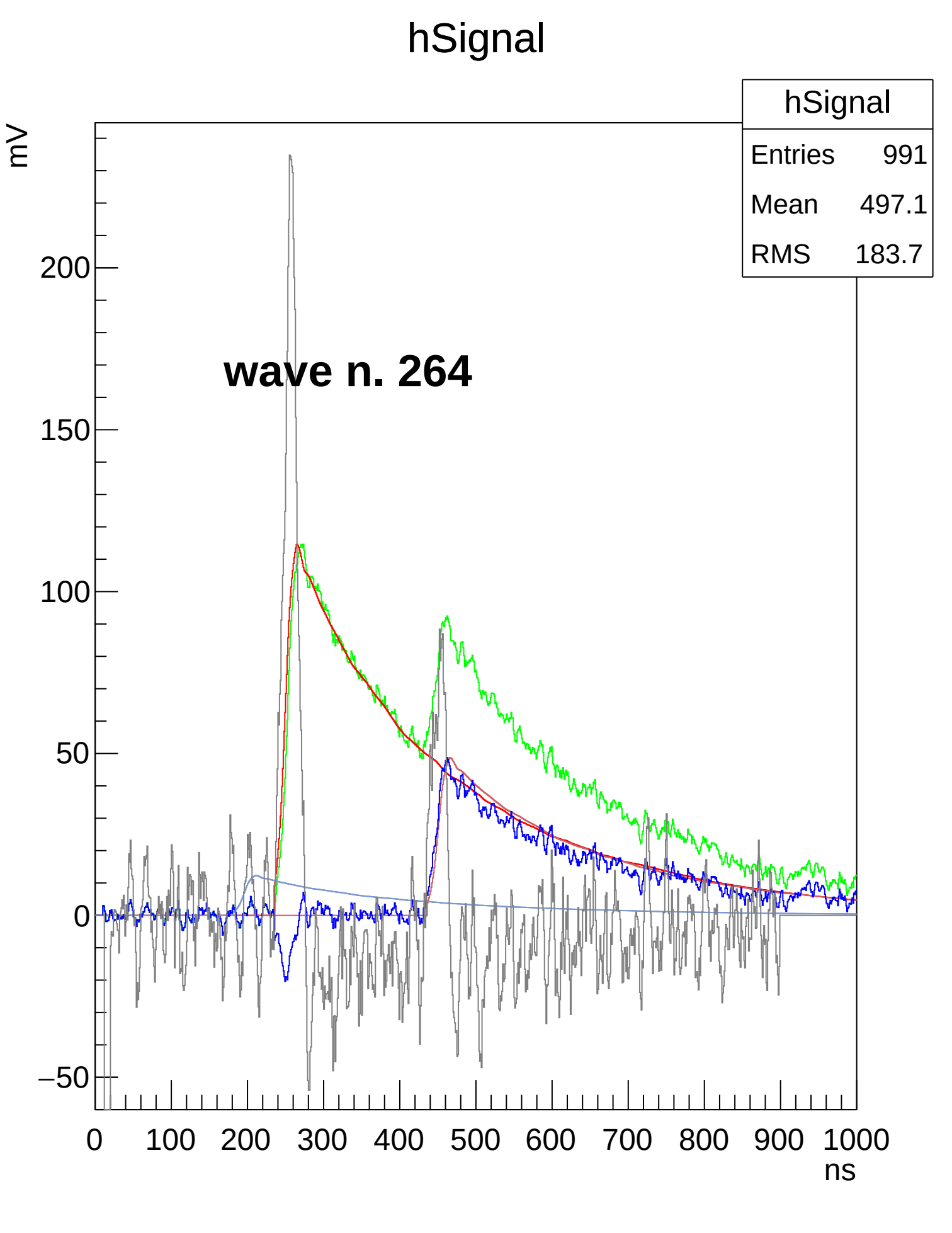

hSignal
hSignal
Entries 991
Mean 524.5
RMS 161.8
wave n. 259
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

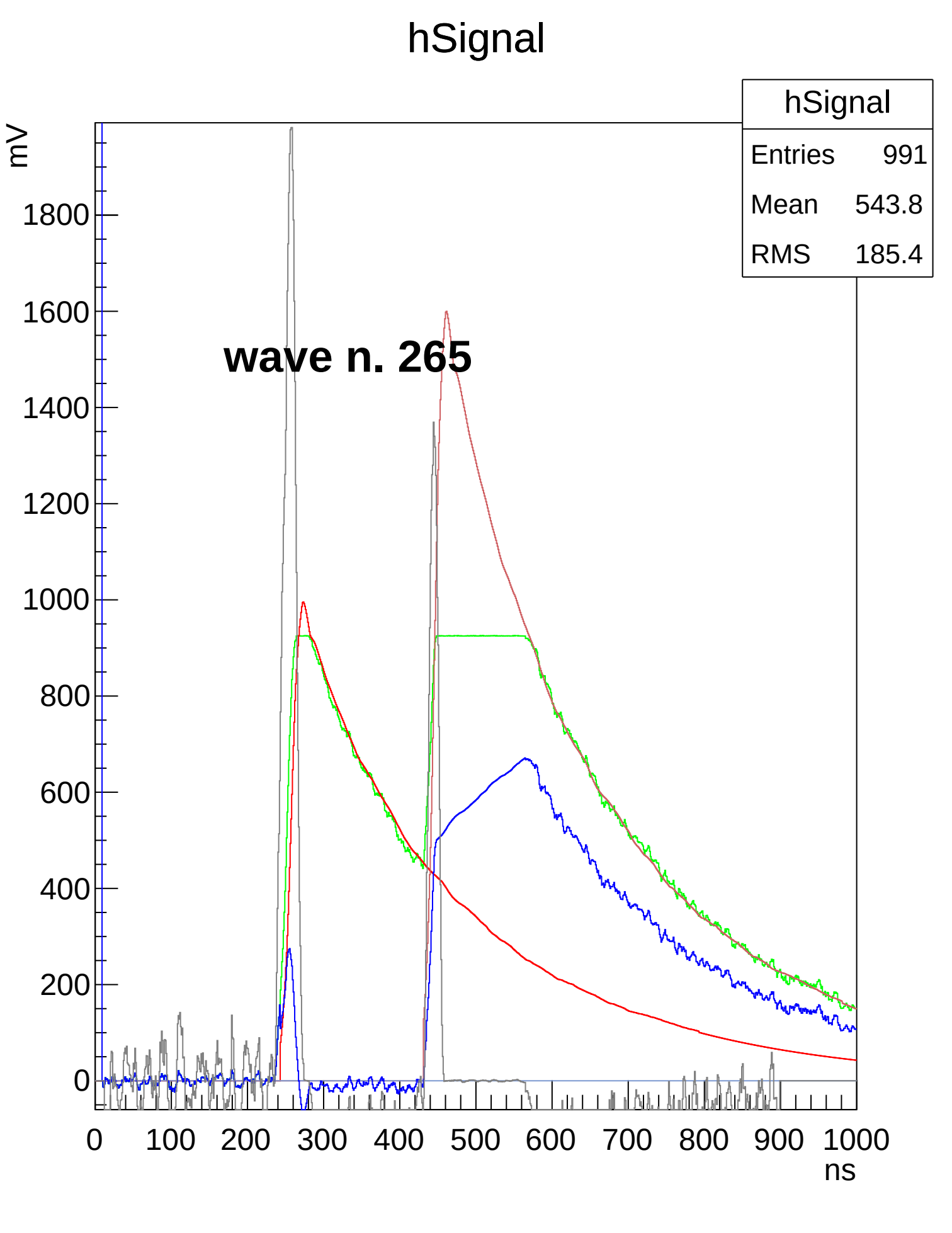

hSignal
hSignal
Entries 991
Mean 510
RMS 163.5
wave n. 260
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

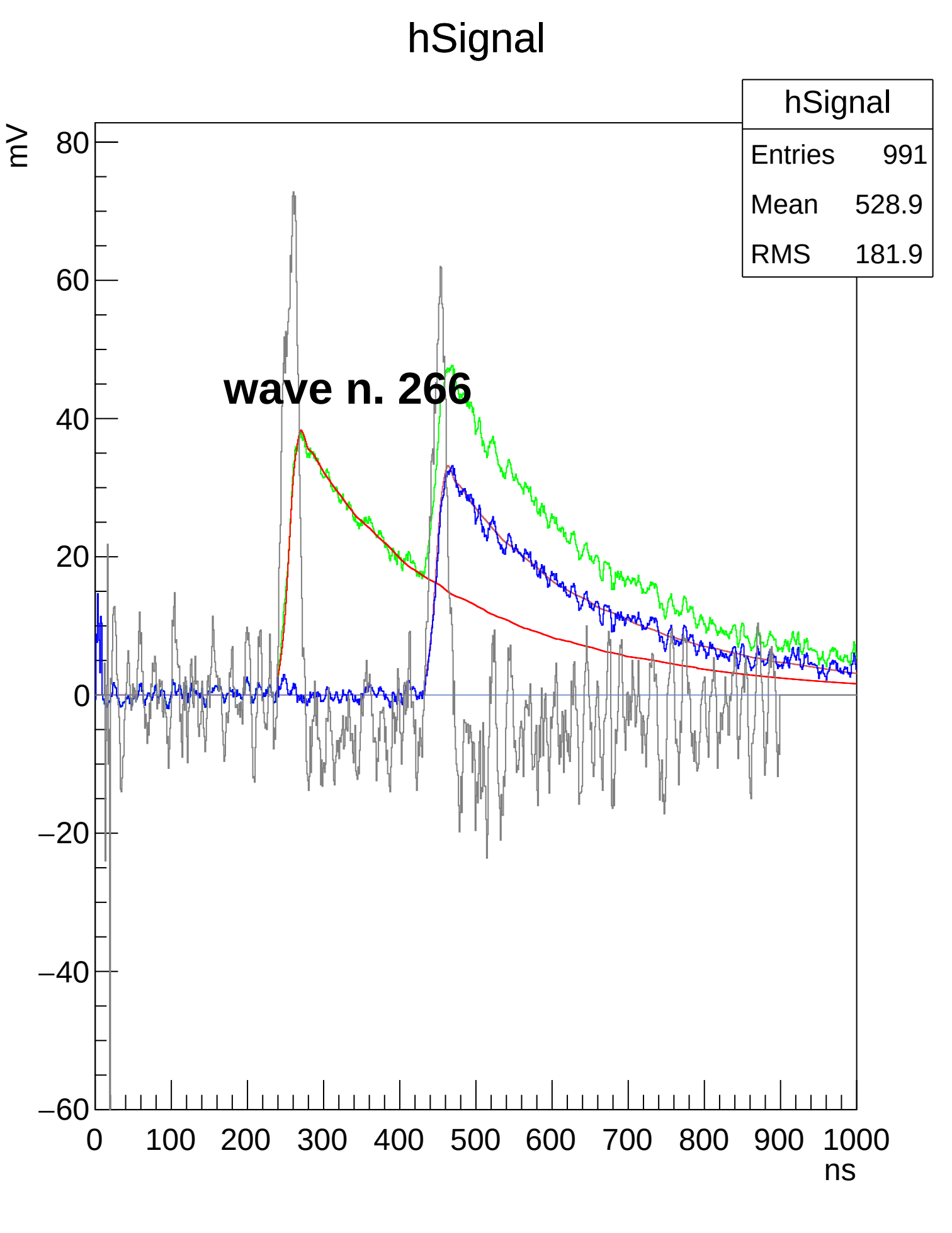

hSignal
hSignal
Entries 991
Mean 530
RMS 164.9
wave n. 261
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

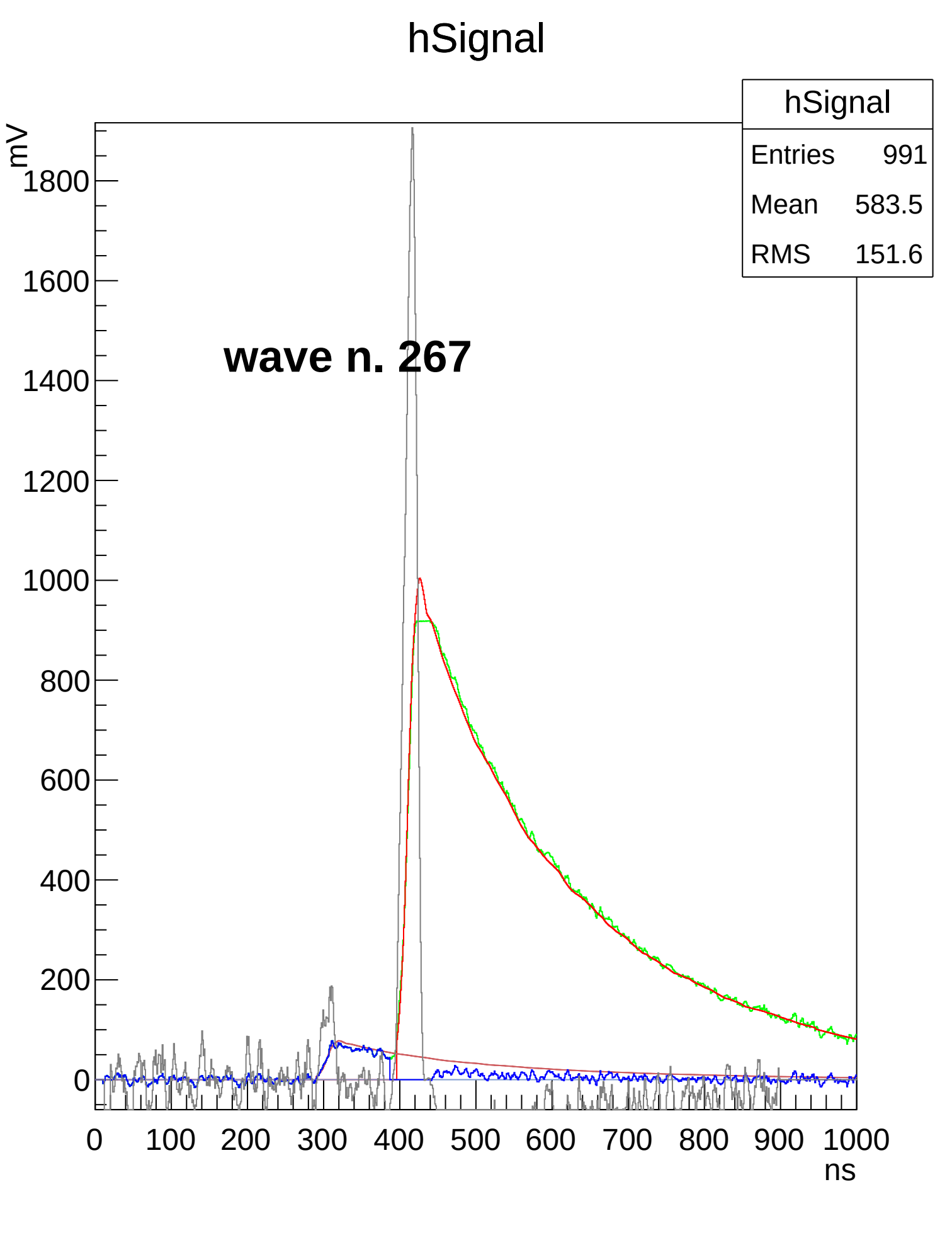

hSignal
hSignal
Entries 991
Mean 502.1
RMS 166.7
wave n. 262
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

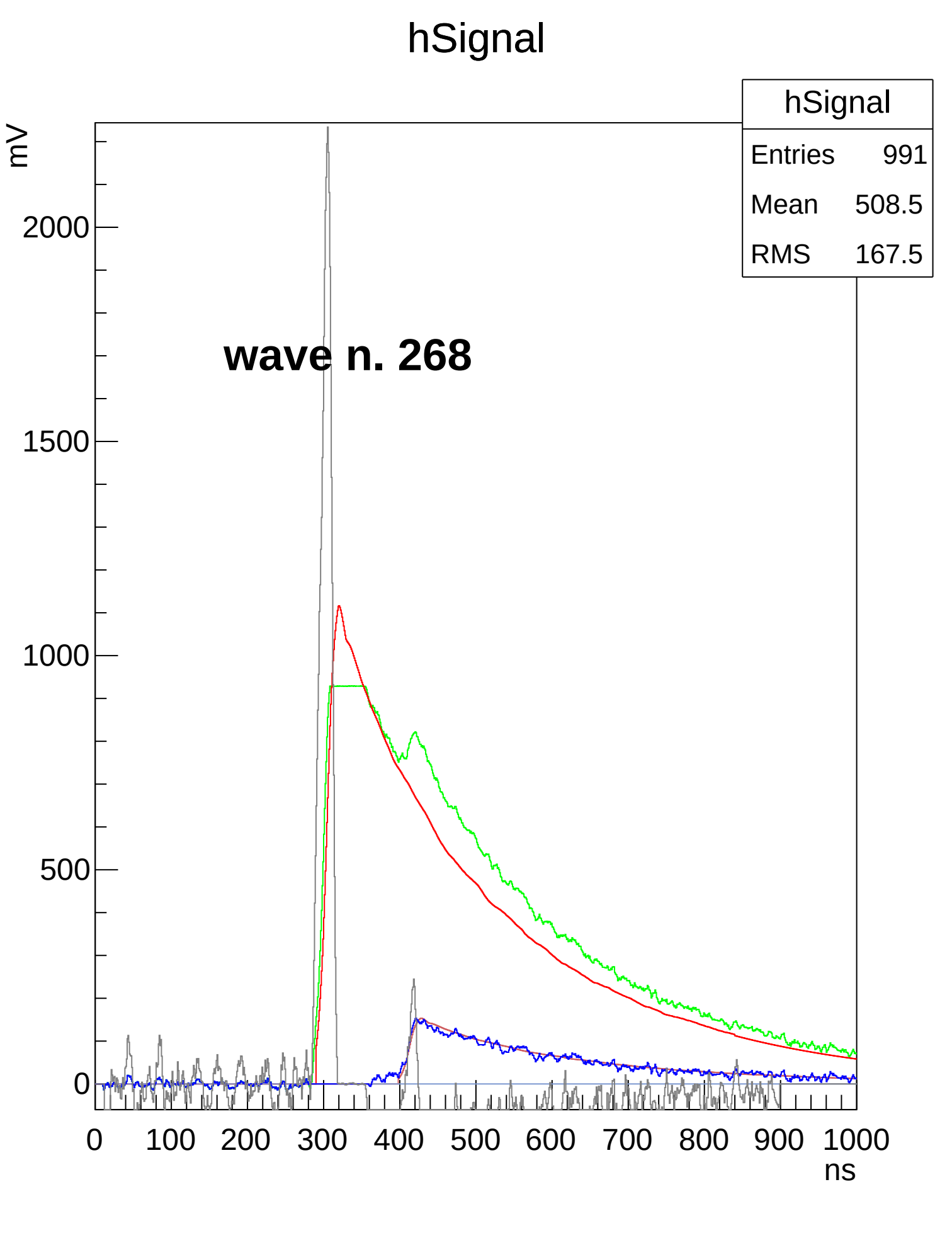

hSignal
hSignal
Entries 991
Mean 508.9
RMS 173.2
wave n. 263
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

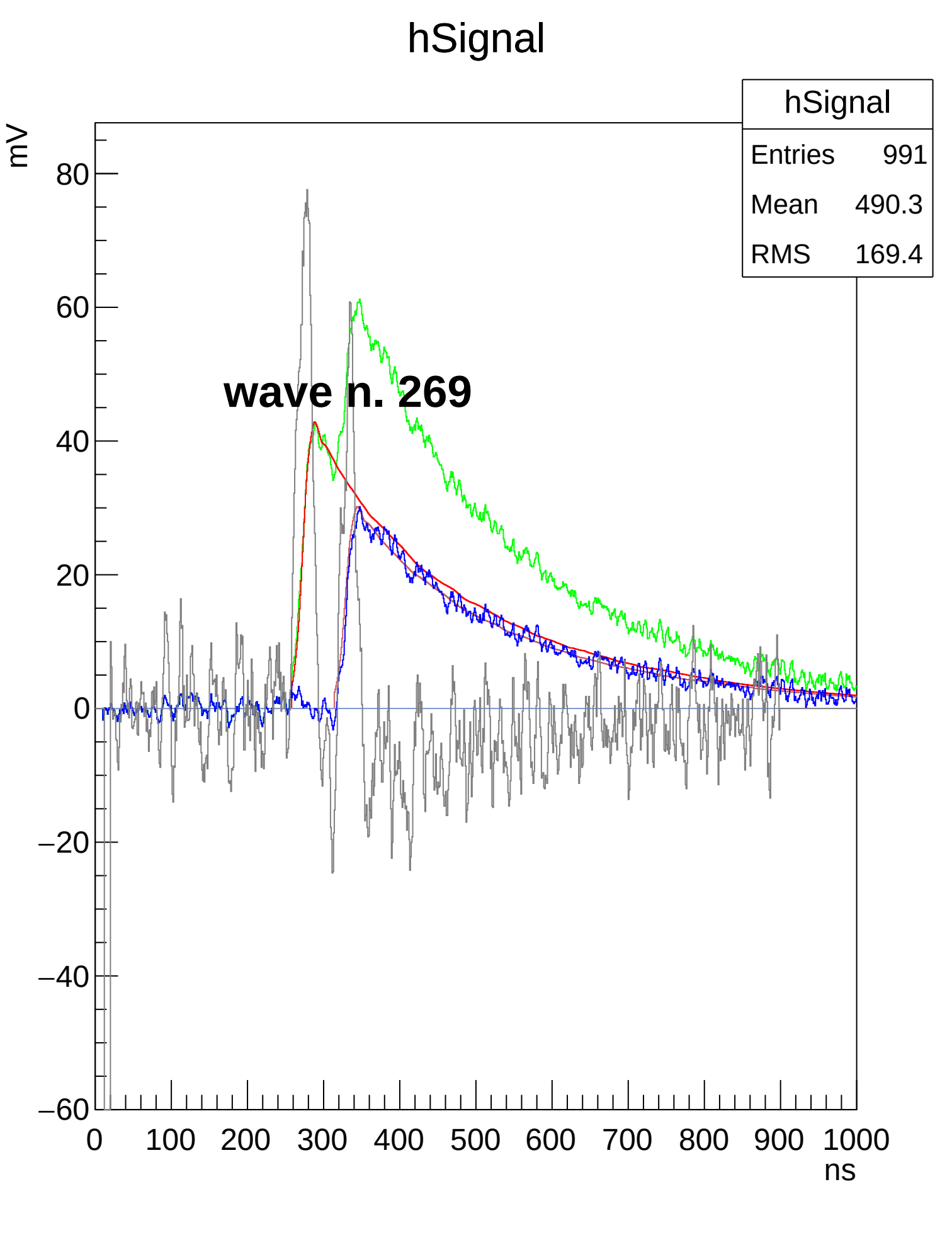

hSignal
hSignal
Entries 991
Mean 497.1
RMS 183.7
wave n. 264
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

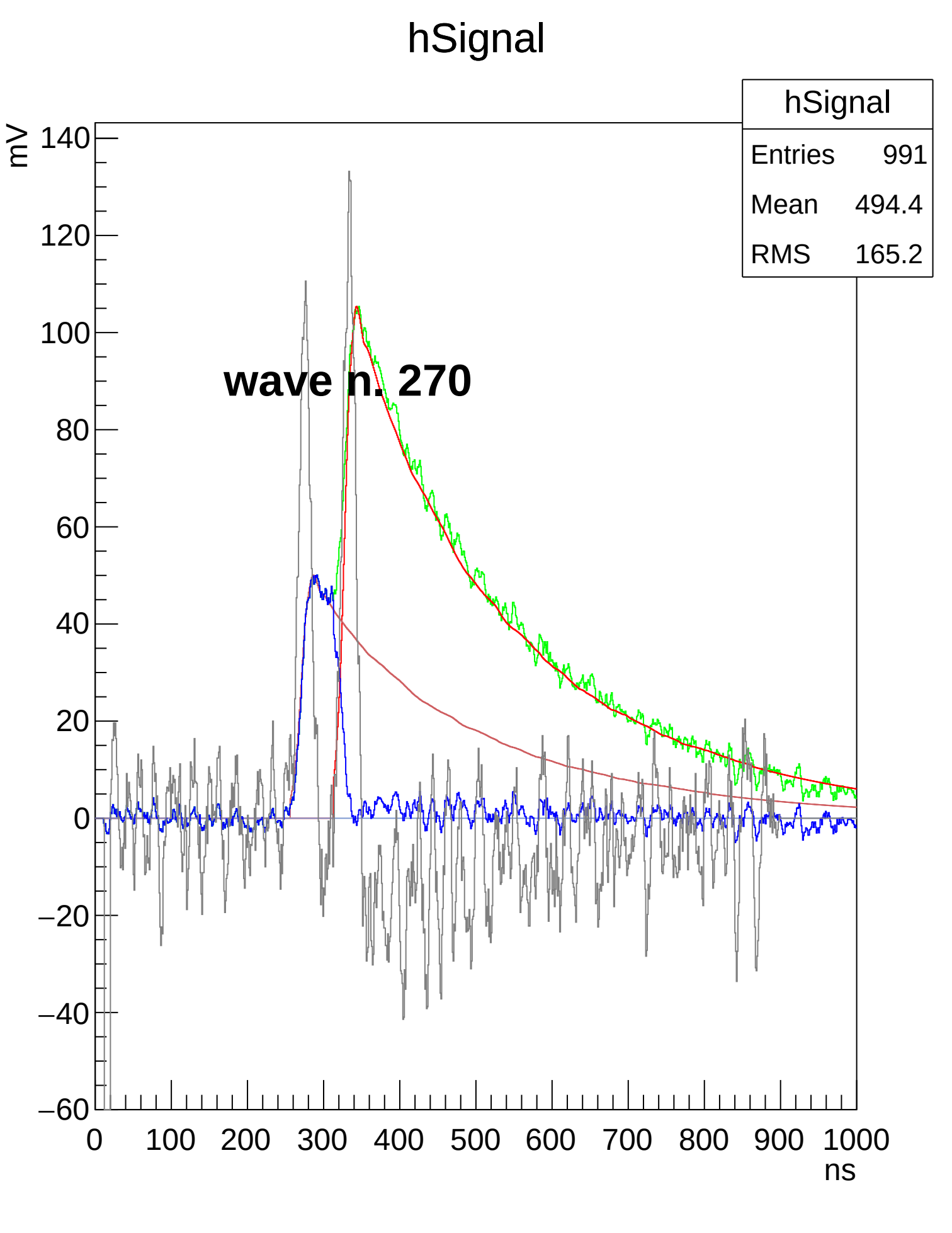

hSignal
hSignal
Entries 991
Mean 543.8
RMS 185.4
wave n. 265
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

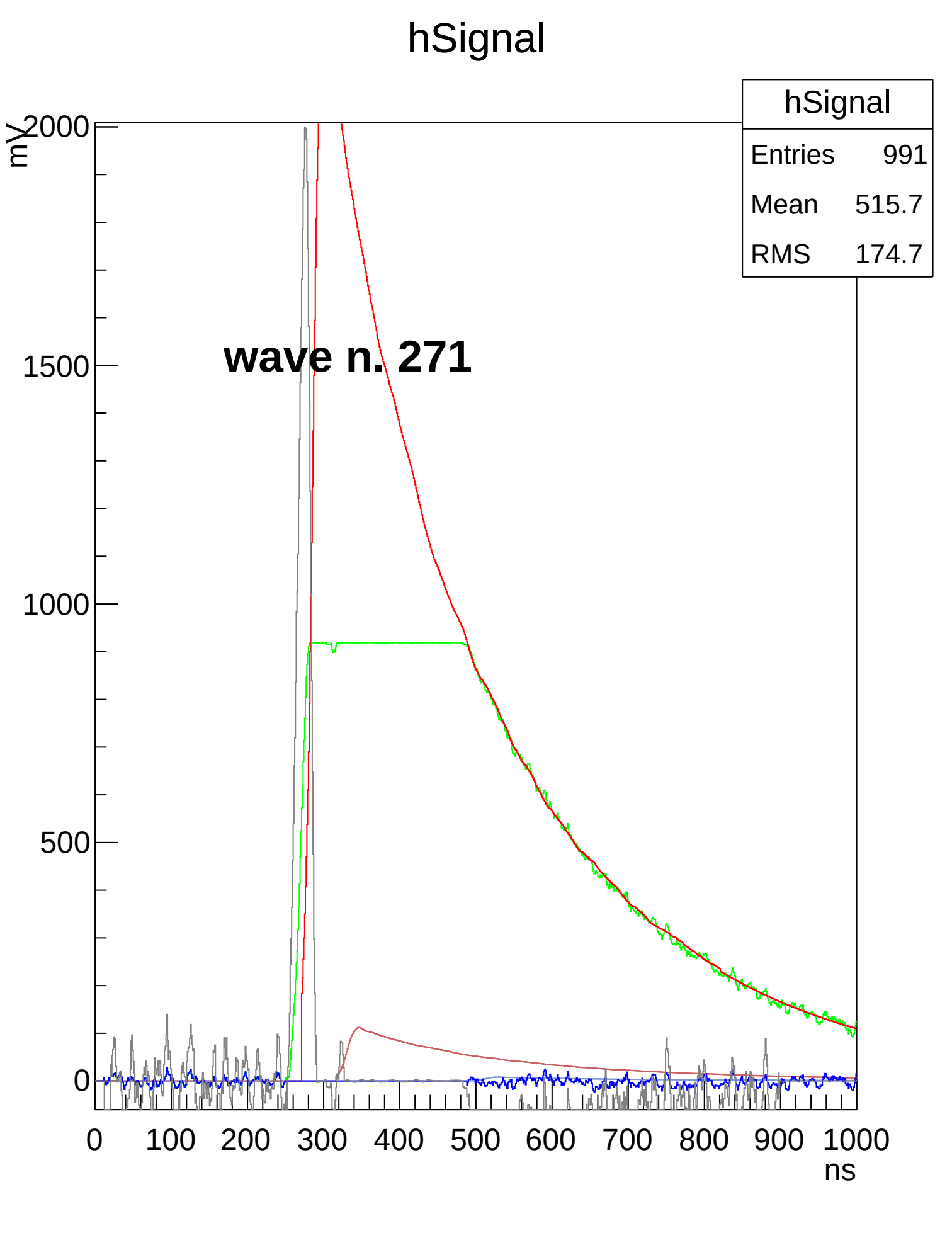

hSignal
hSignal
Entries 991
Mean 528.9
RMS 181.9
wave n. 266
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

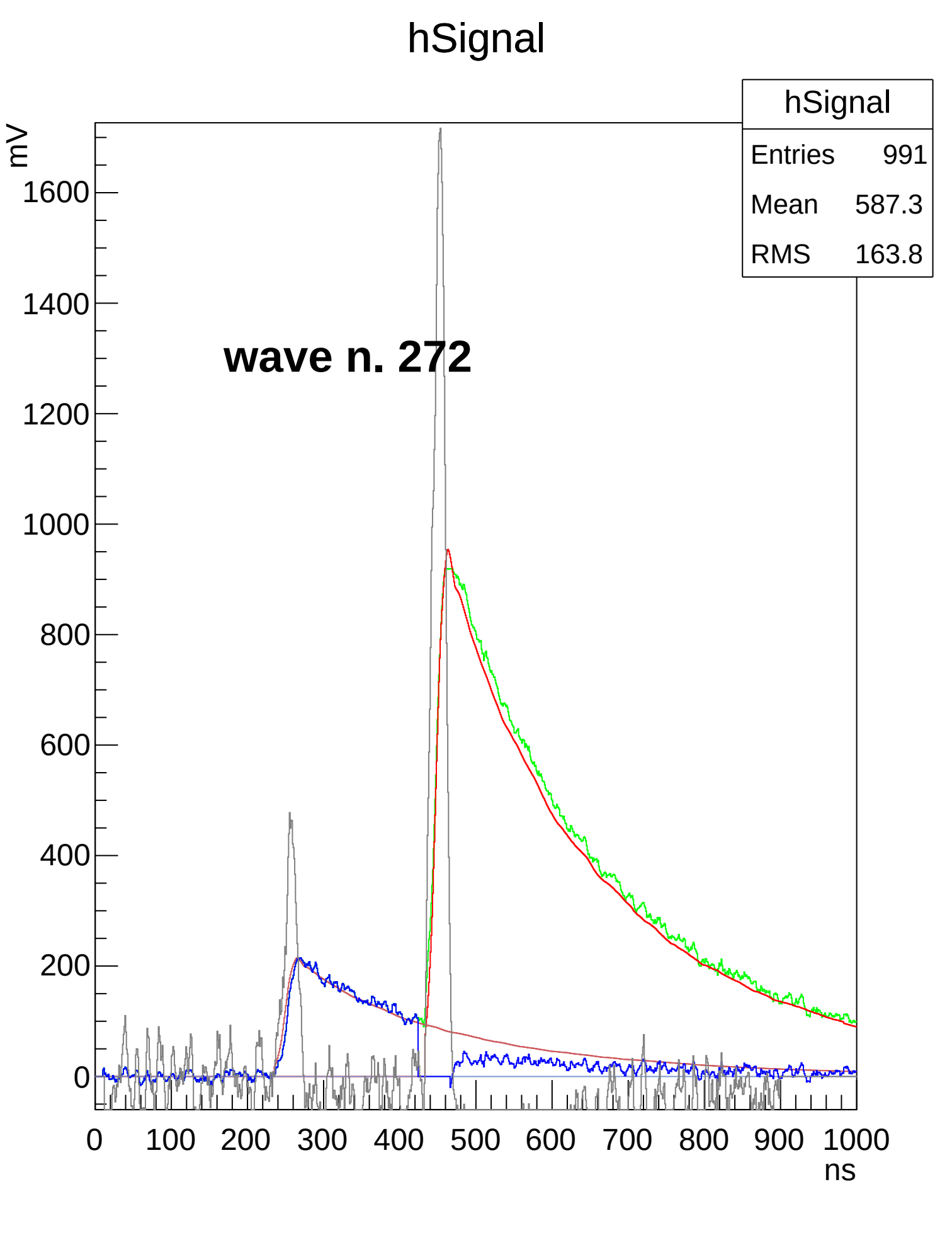

hSignal
hSignal
Entries 991
Mean 583.5
RMS 151.6
wave n. 267
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

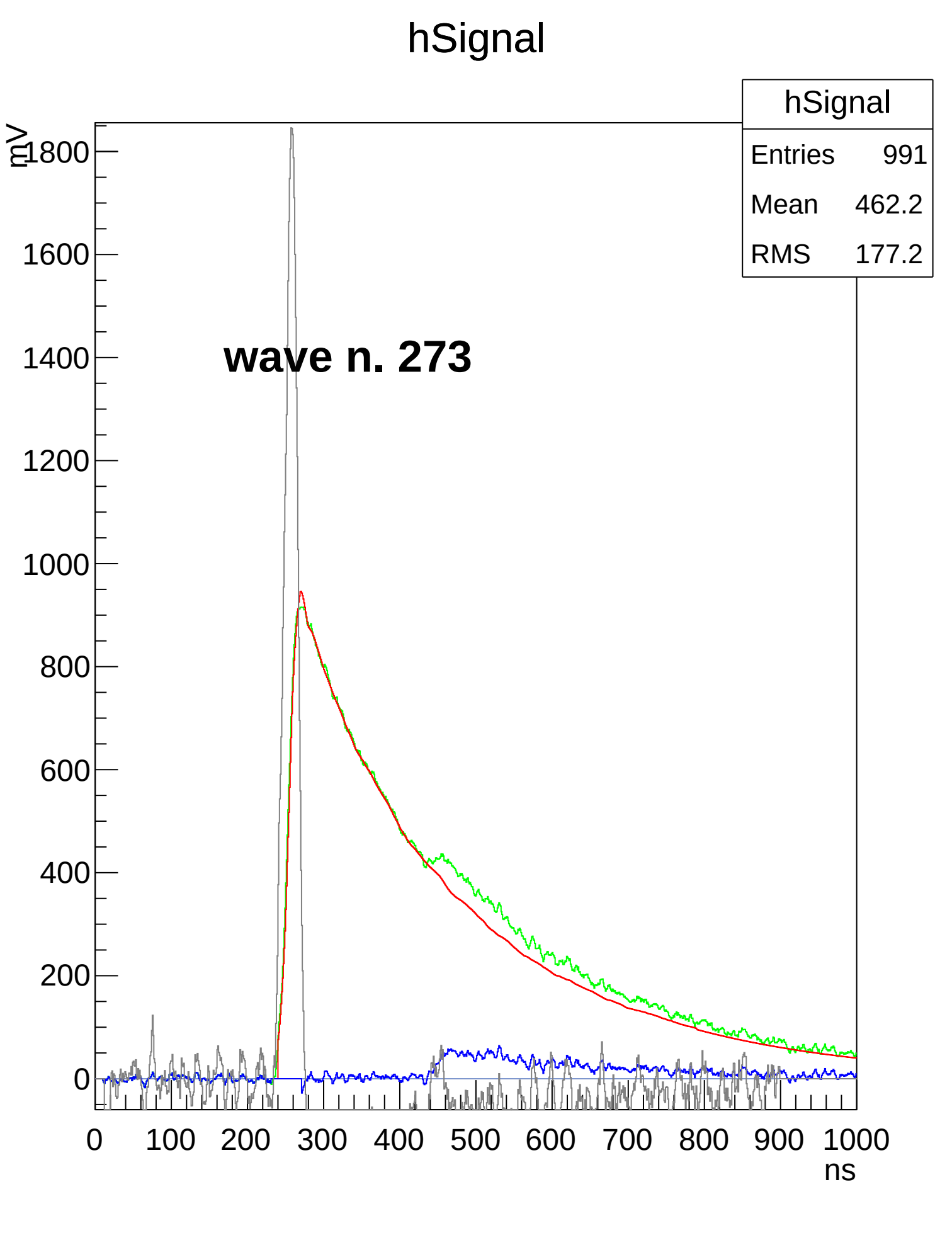

hSignal
hSignal
Entries 991
Mean 508.5
RMS 167.5
wave n. 268
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

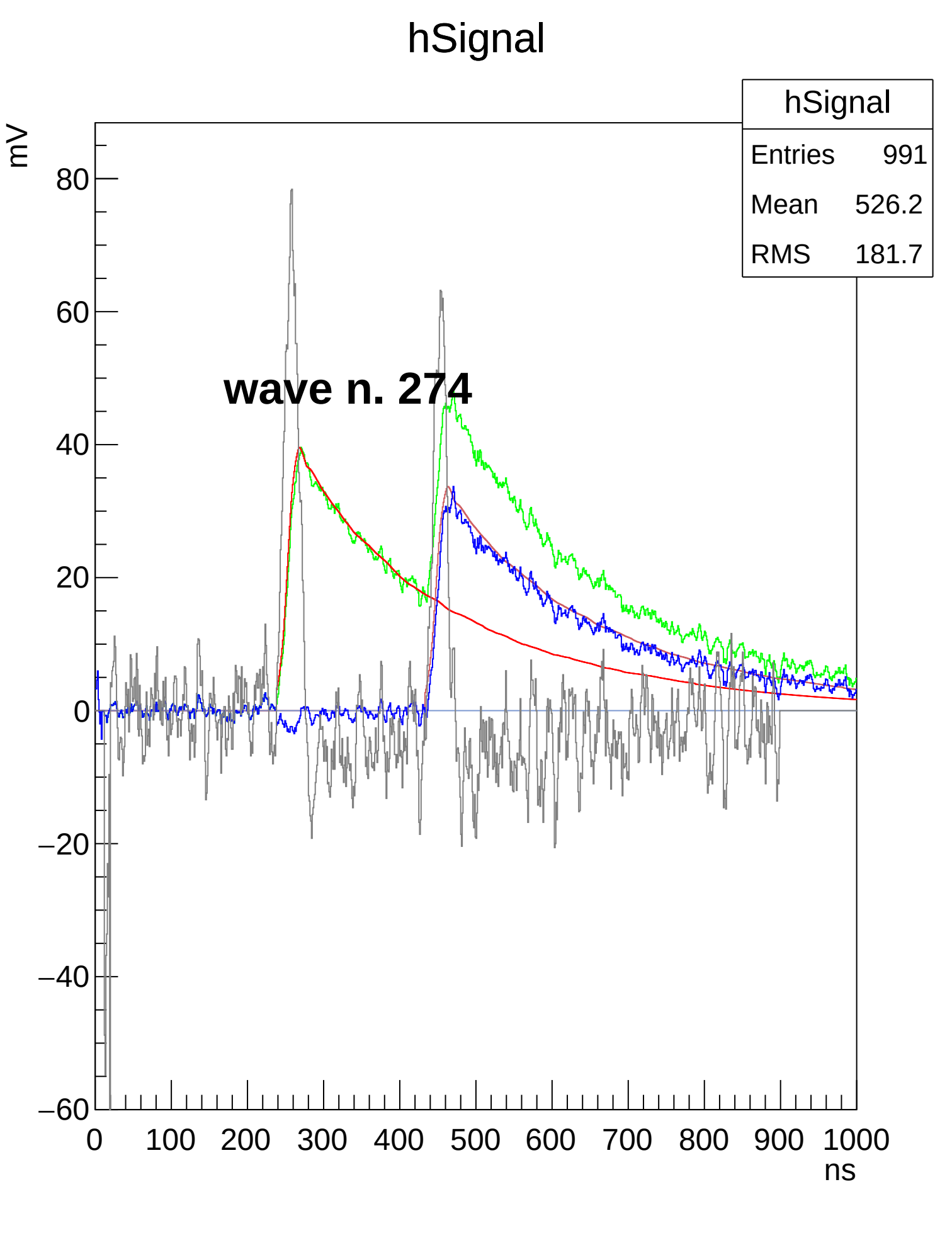

hSignal
hSignal
Entries 991
Mean 490.3
RMS 169.4
wave n. 269
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

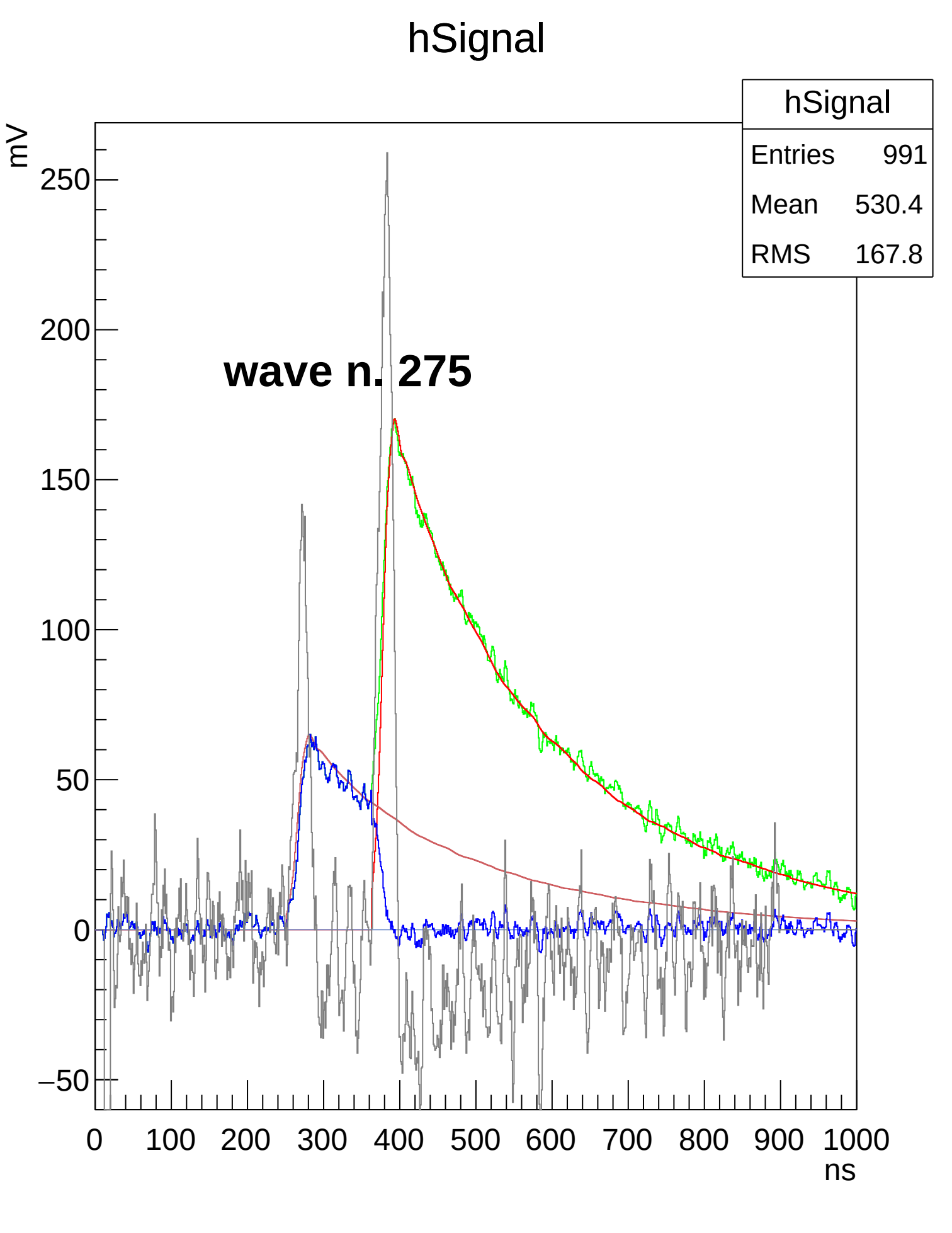

hSignal
hSignal
Entries 991
Mean 494.4
RMS 165.2
wave n. 270
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

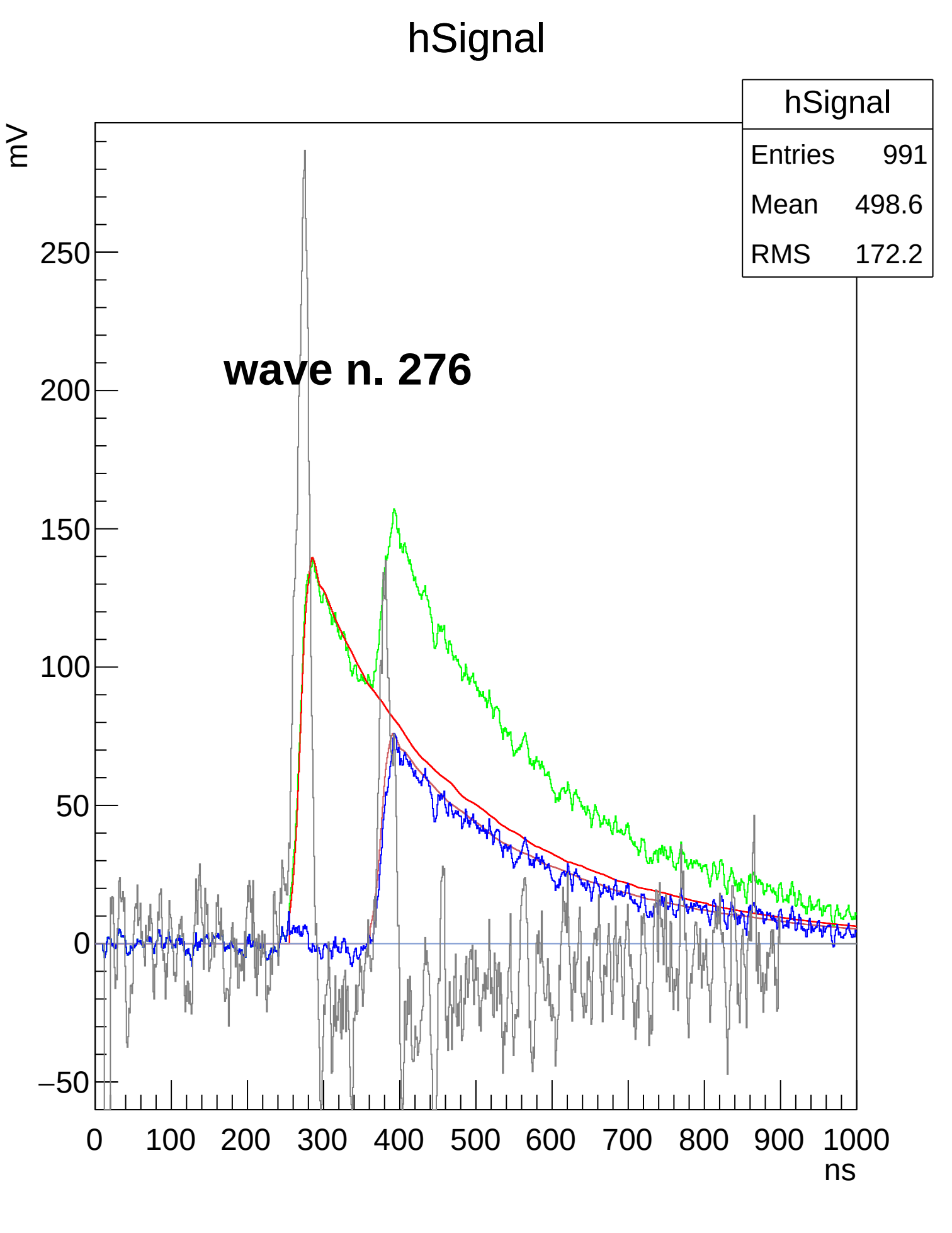

hSignal
hSignal
Entries 991
Mean 515.7
RMS 174.7
wave n. 271
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

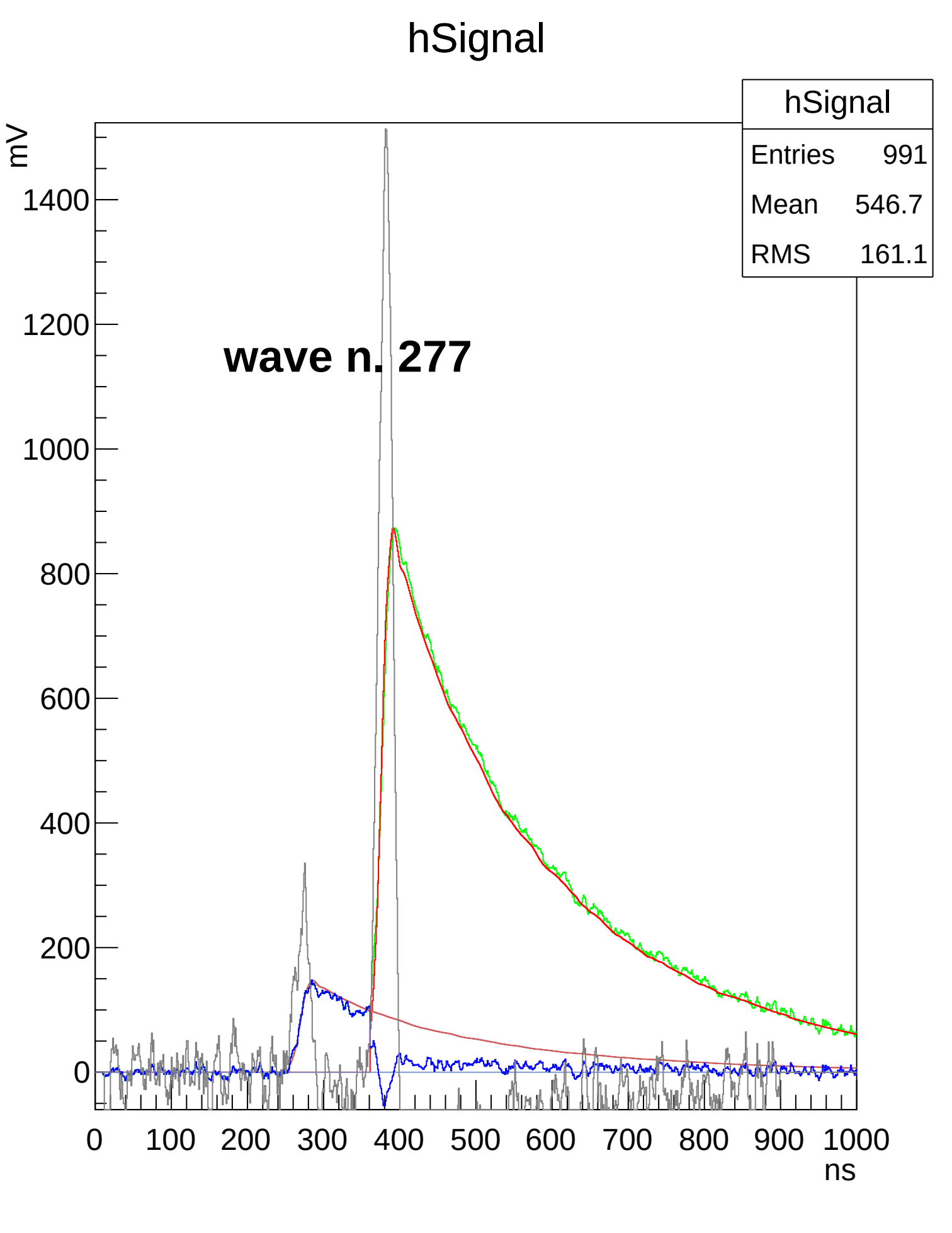

hSignal
hSignal
Entries 991
Mean 587.3
RMS 163.8
wave n. 272
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

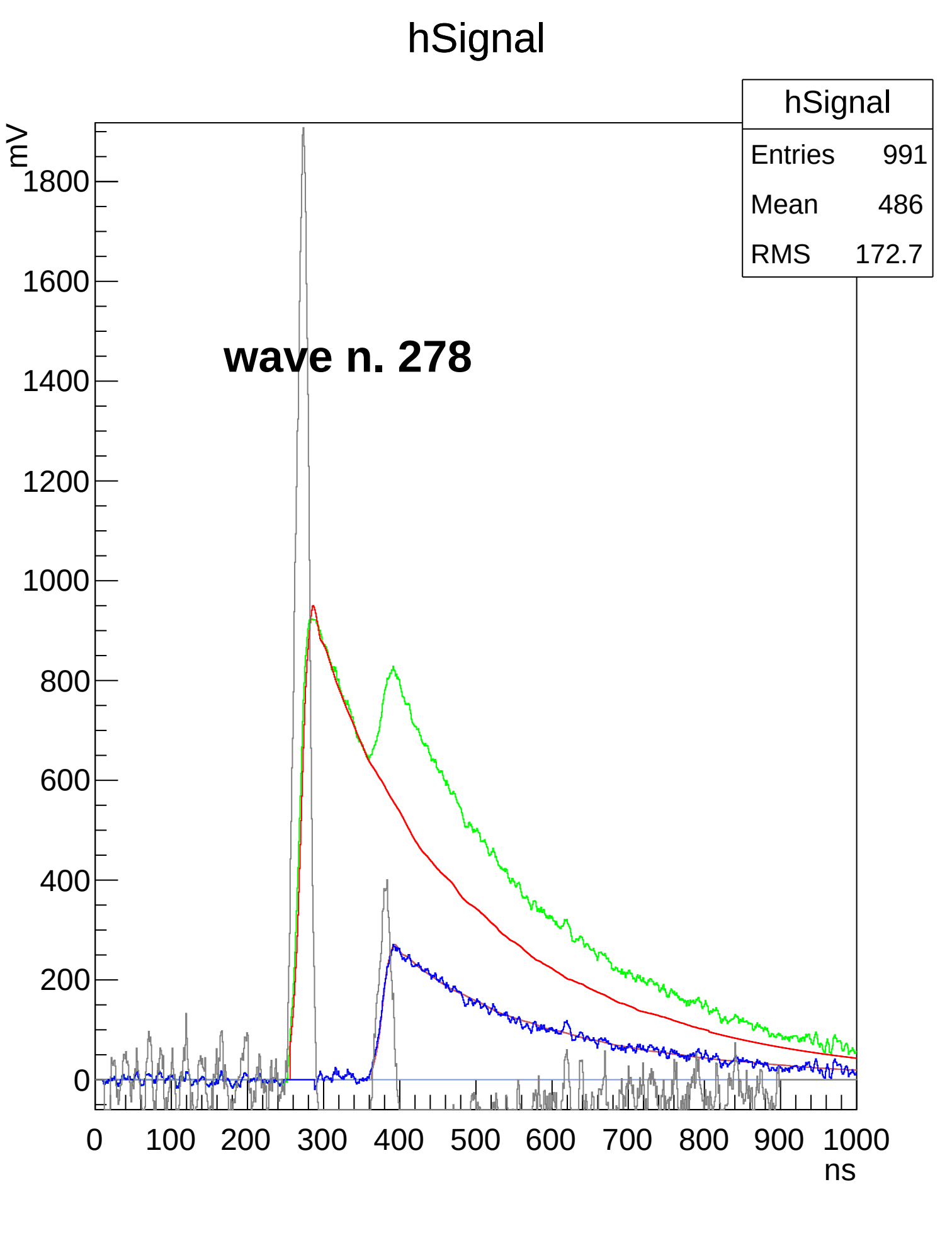

hSignal
hSignal
Entries 991
Mean 462.2
RMS 177.2
wave n. 273
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

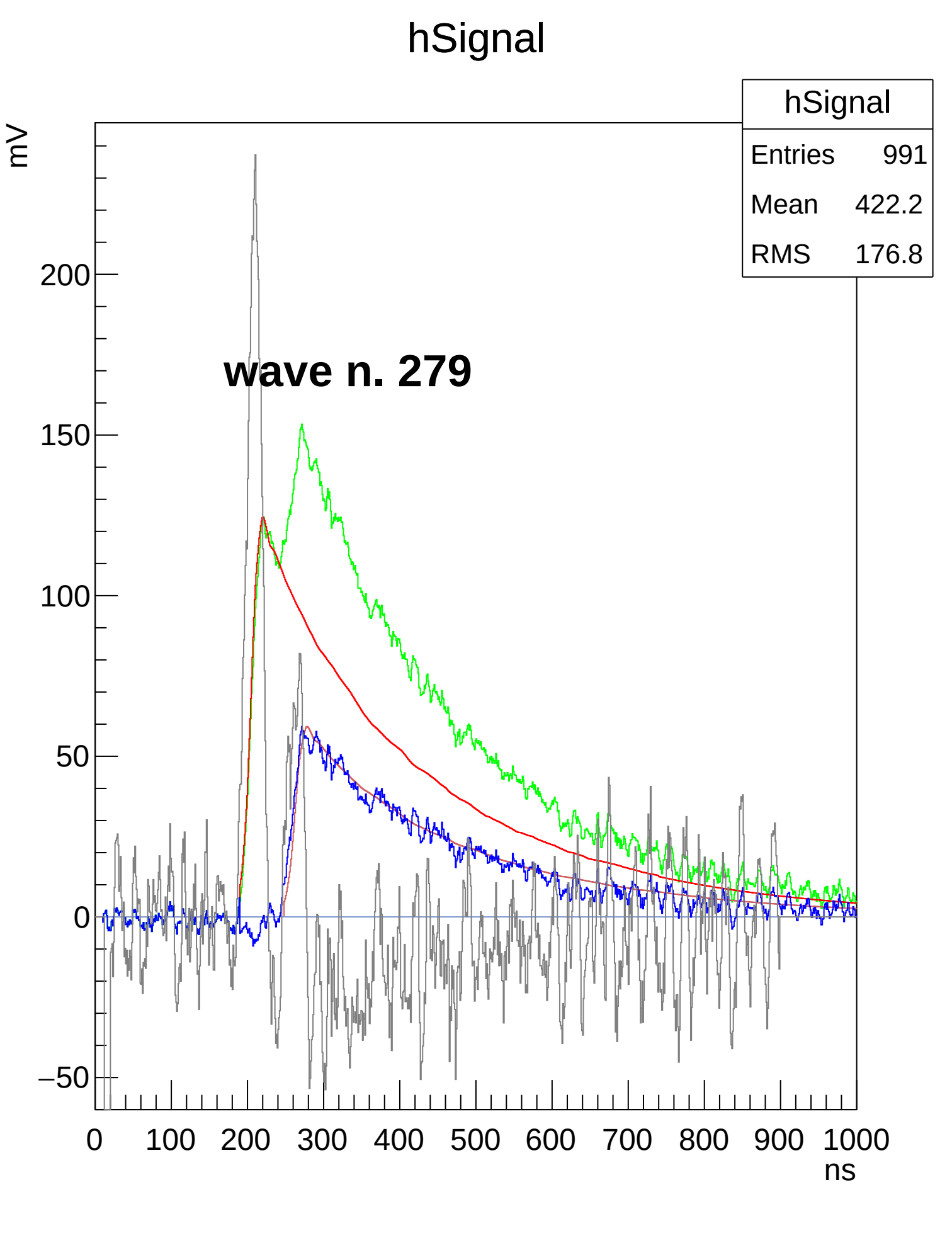

hSignal
hSignal
Entries 991
Mean 526.2
RMS 181.7
wave n. 274
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

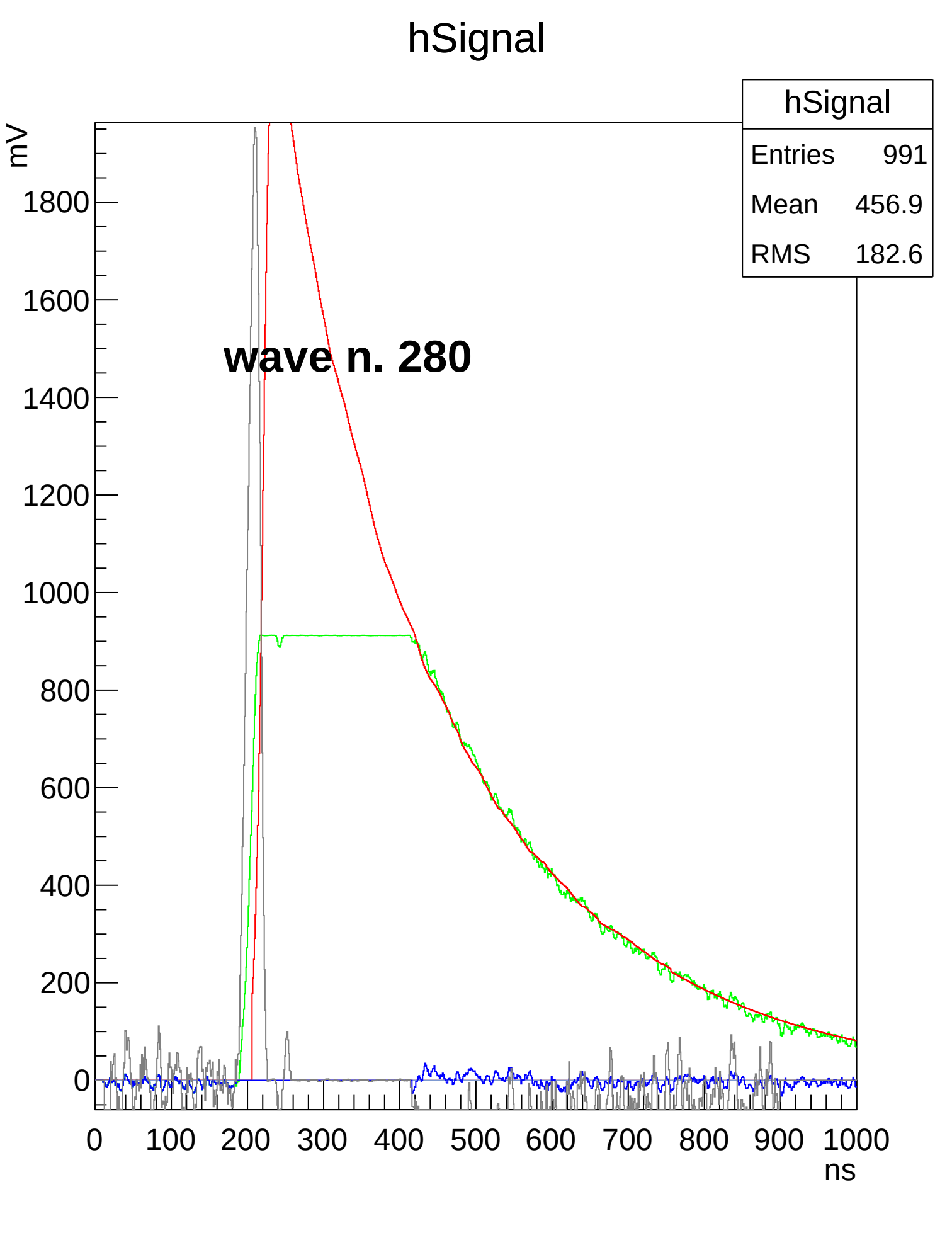

hSignal
hSignal
Entries 991
Mean 530.4
RMS 167.8
wave n. 275
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

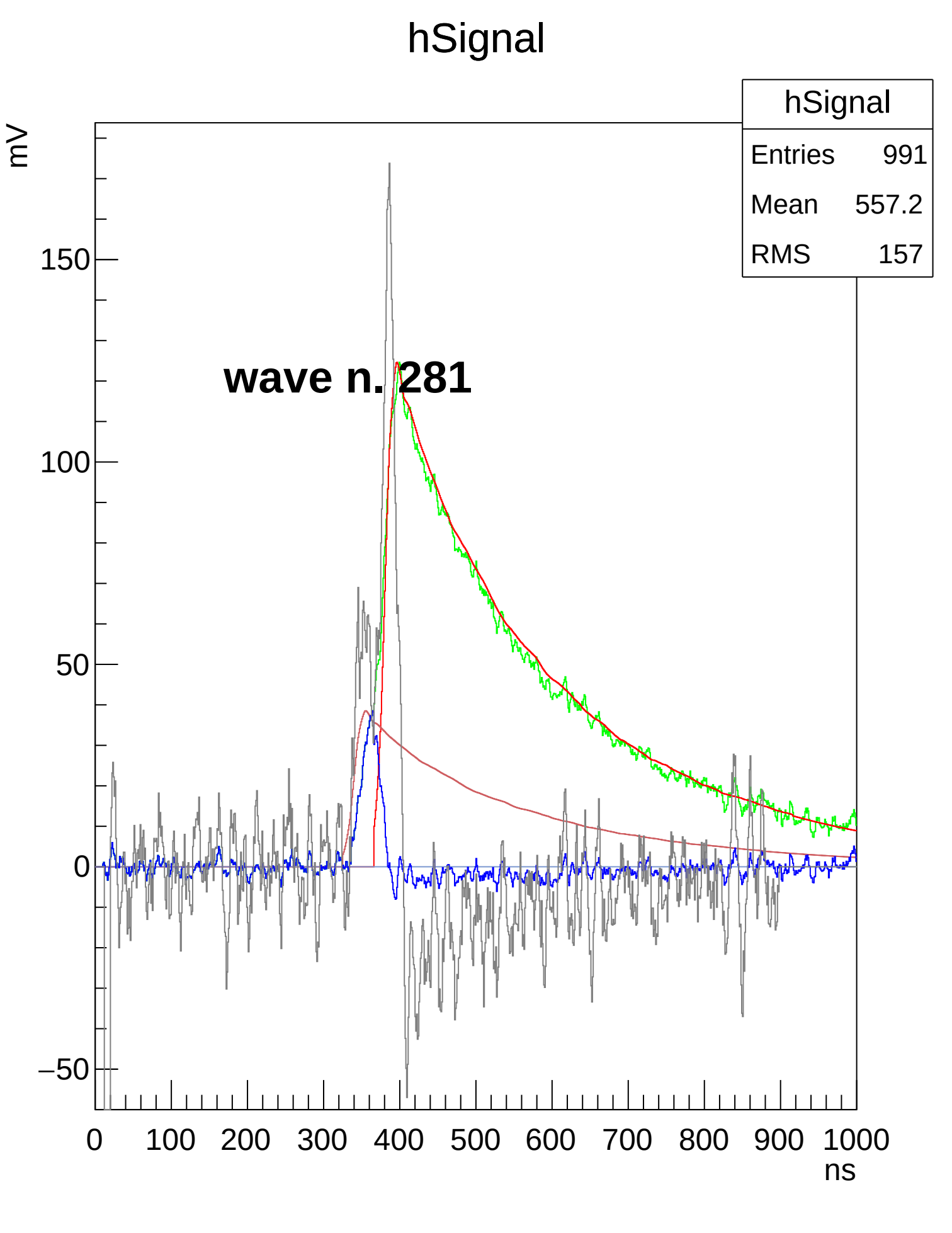

hSignal
hSignal
Entries 991
Mean 498.6
RMS 172.2
wave n. 276
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

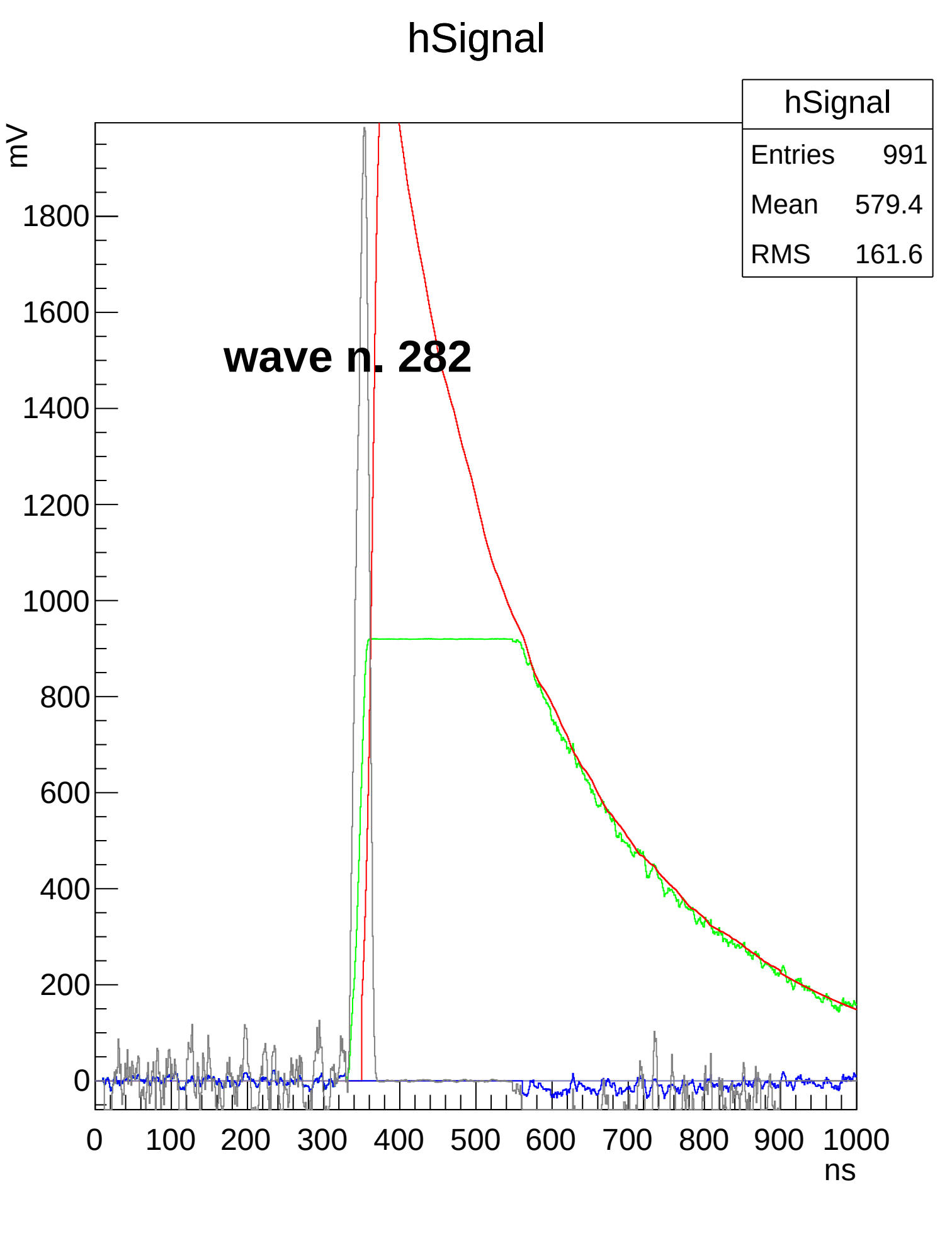

hSignal
hSignal
Entries 991
Mean 546.7
RMS 161.1
wave n. 277
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

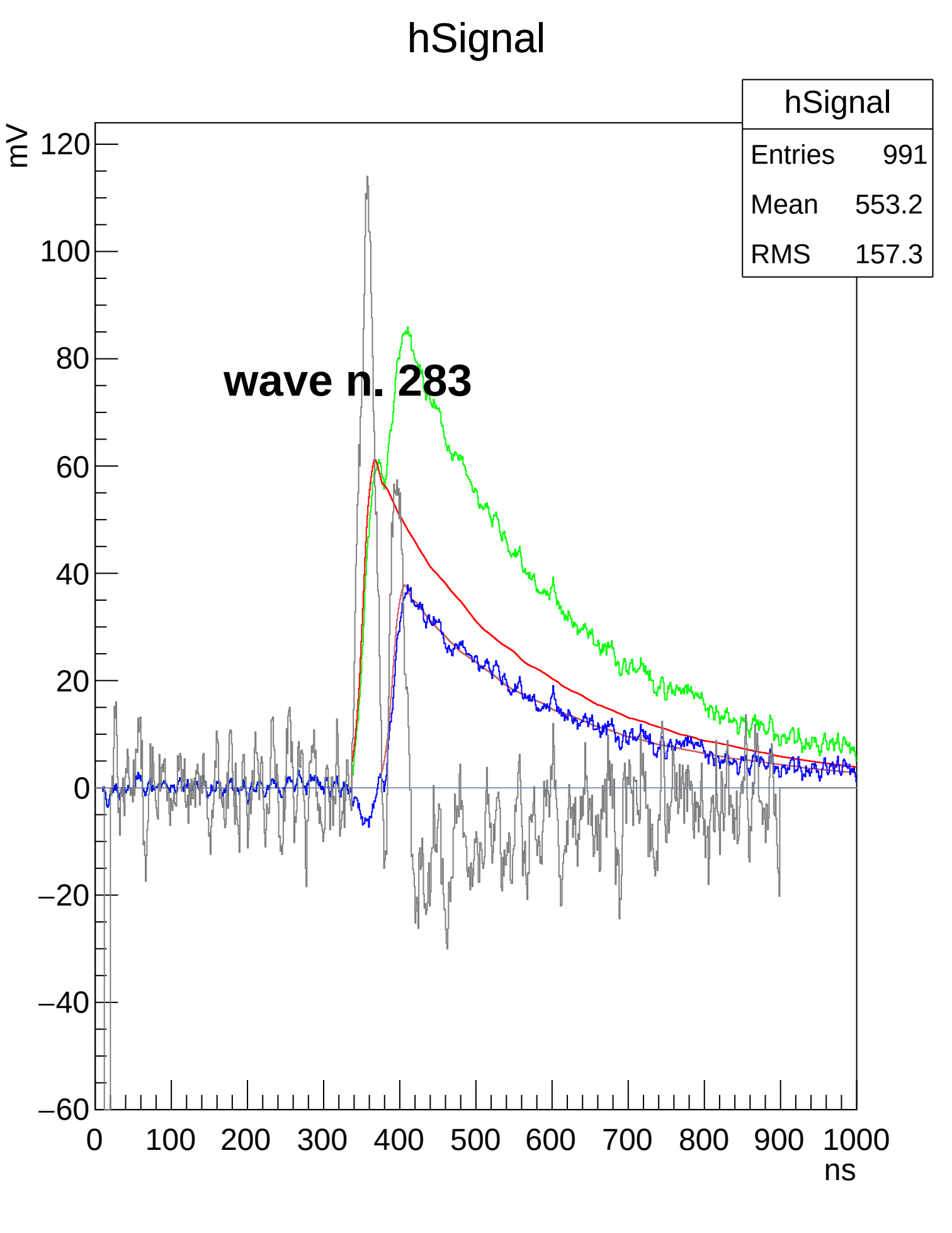

hSignal
hSignal
Entries 991
Mean 486
RMS 172.7
wave n. 278
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

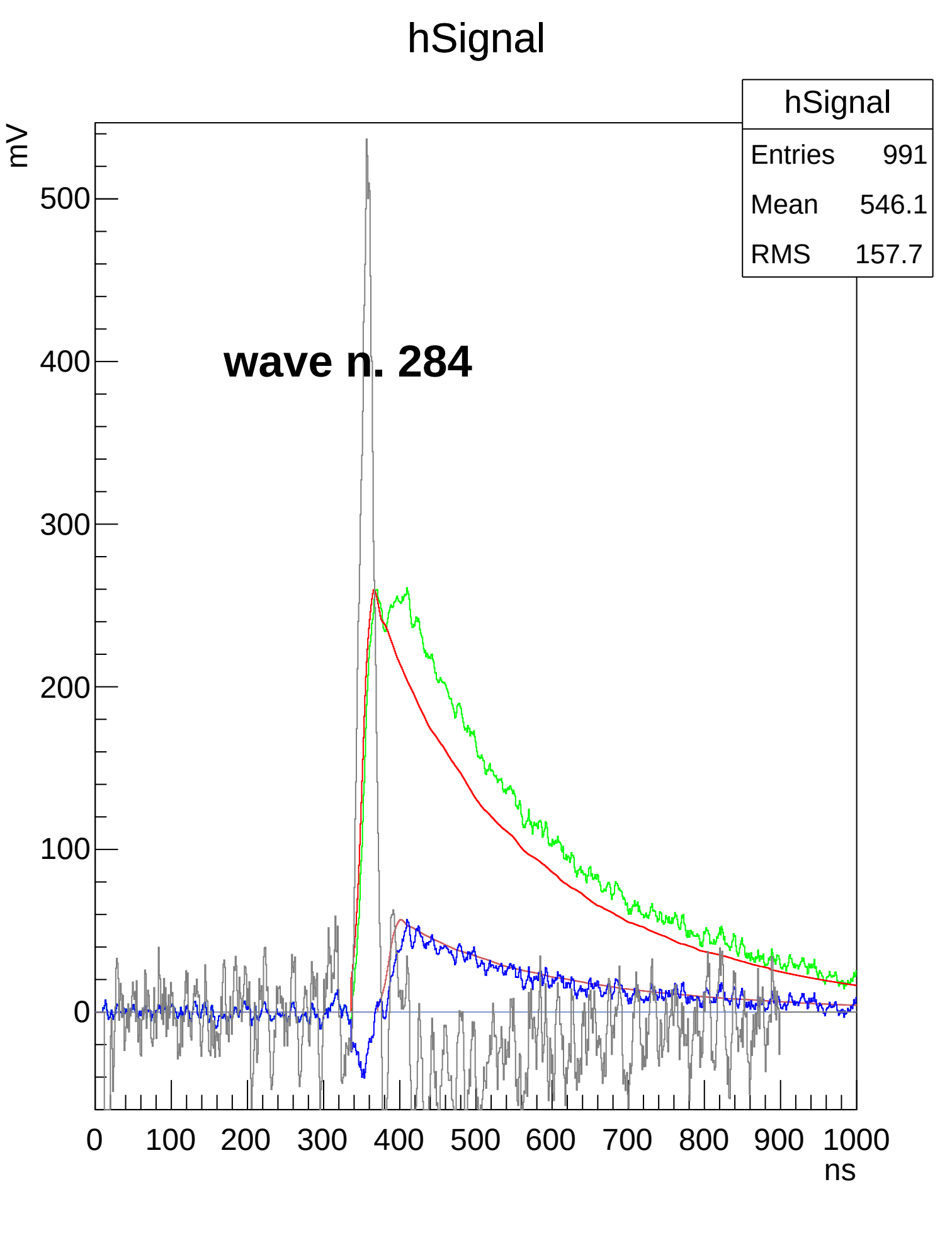

hSignal
hSignal
Entries 991
Mean 422.2
RMS 176.8
wave n. 279
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

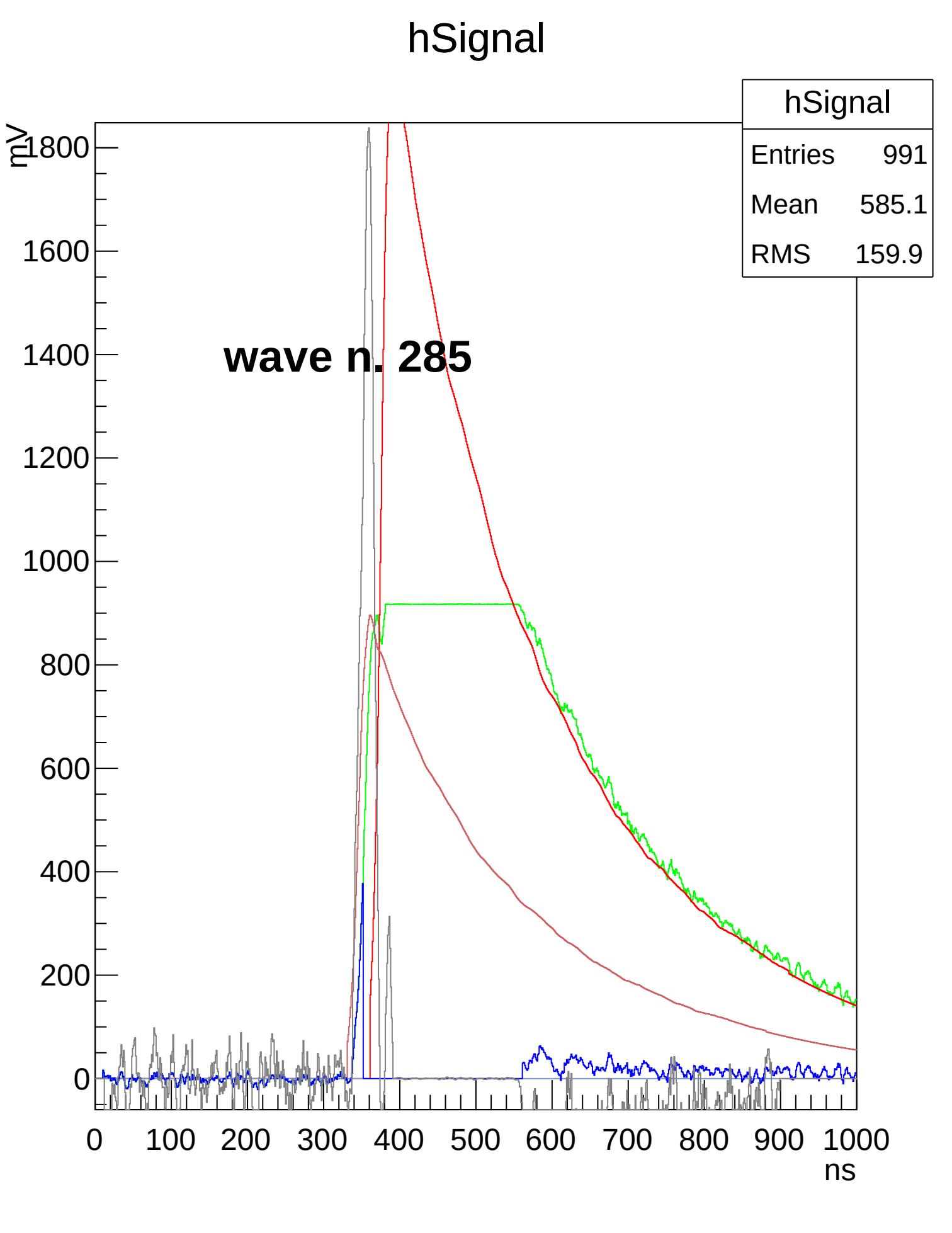

hSignal
hSignal
Entries 991
Mean 456.9
RMS 182.6
wave n. 280
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

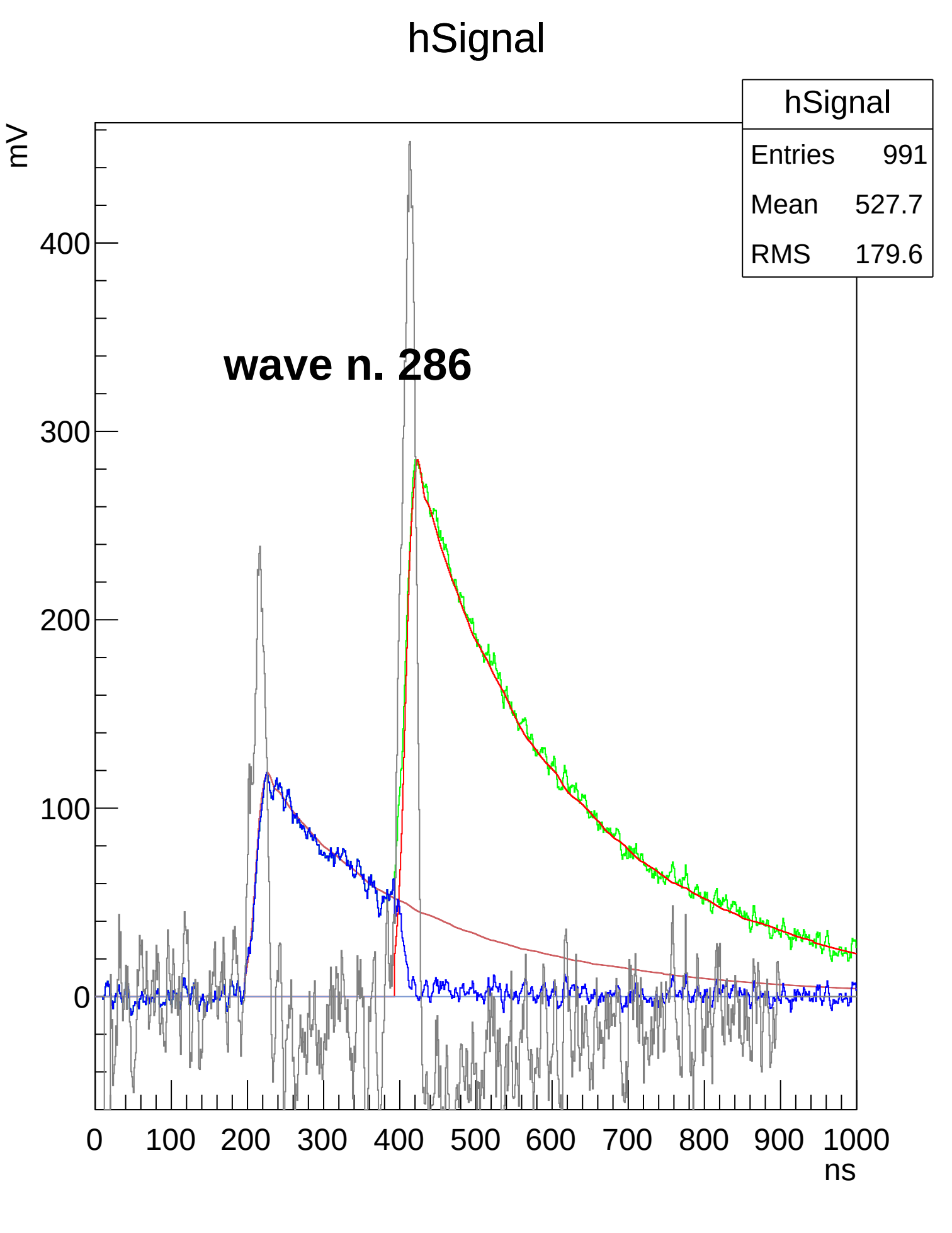

hSignal
hSignal
Entries 991
Mean 557.2
RMS 157
wave n. 281
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

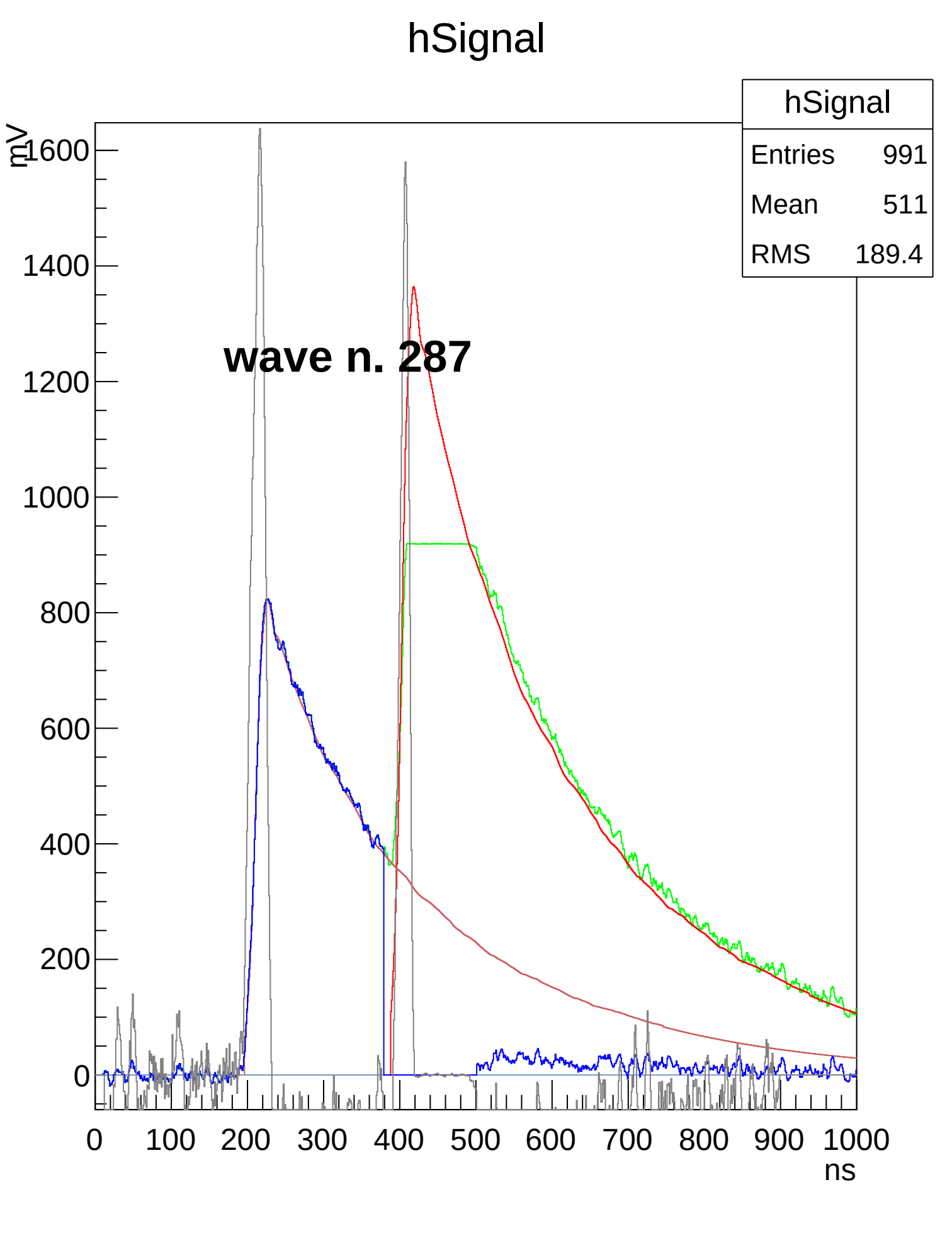

hSignal
hSignal
Entries 991
Mean 579.4
RMS 161.6
wave n. 282
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

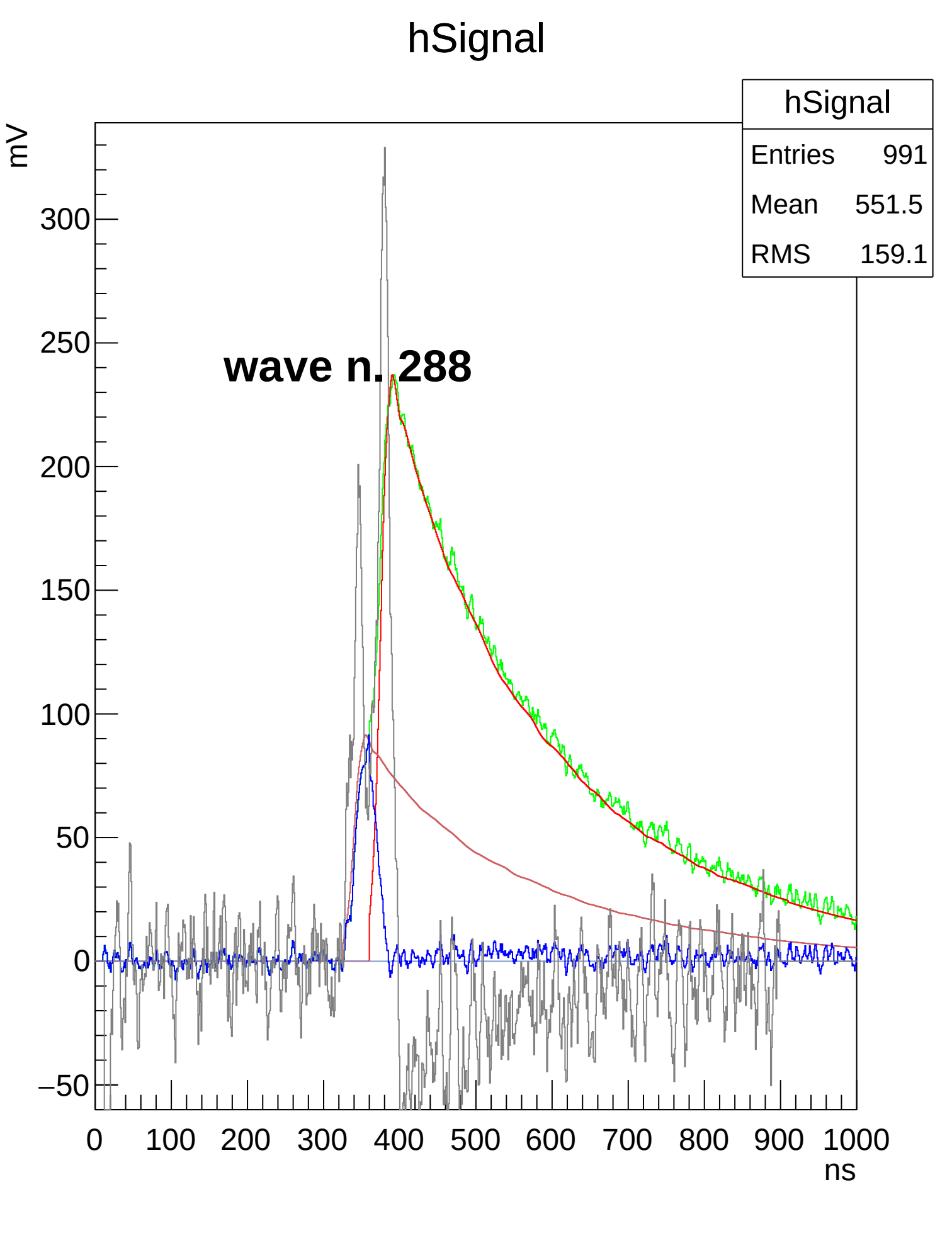

hSignal
hSignal
Entries 991
Mean 553.2
RMS 157.3
wave n. 283
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

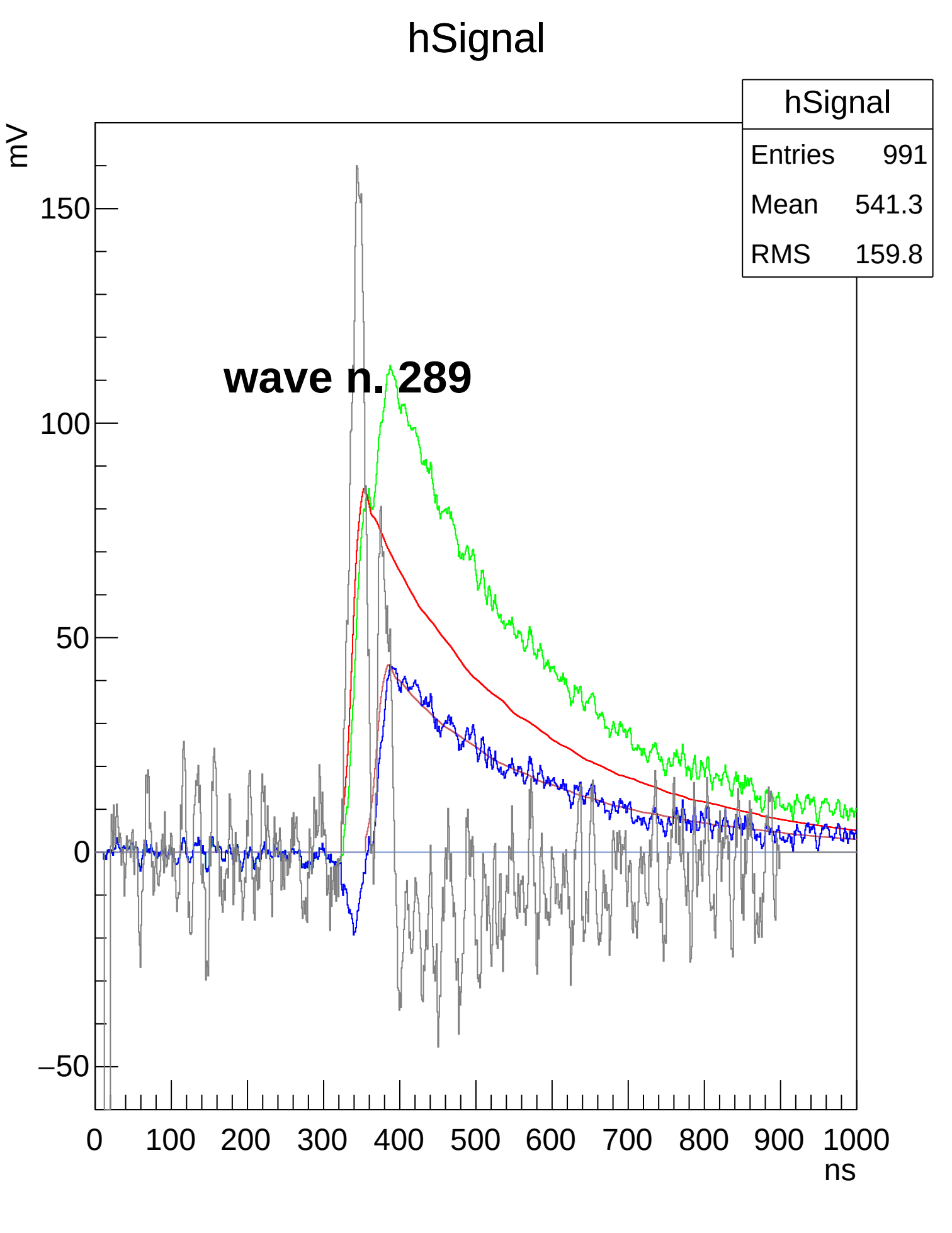

hSignal
hSignal
Entries 991
Mean 546.1
RMS 157.7
wave n. 284
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

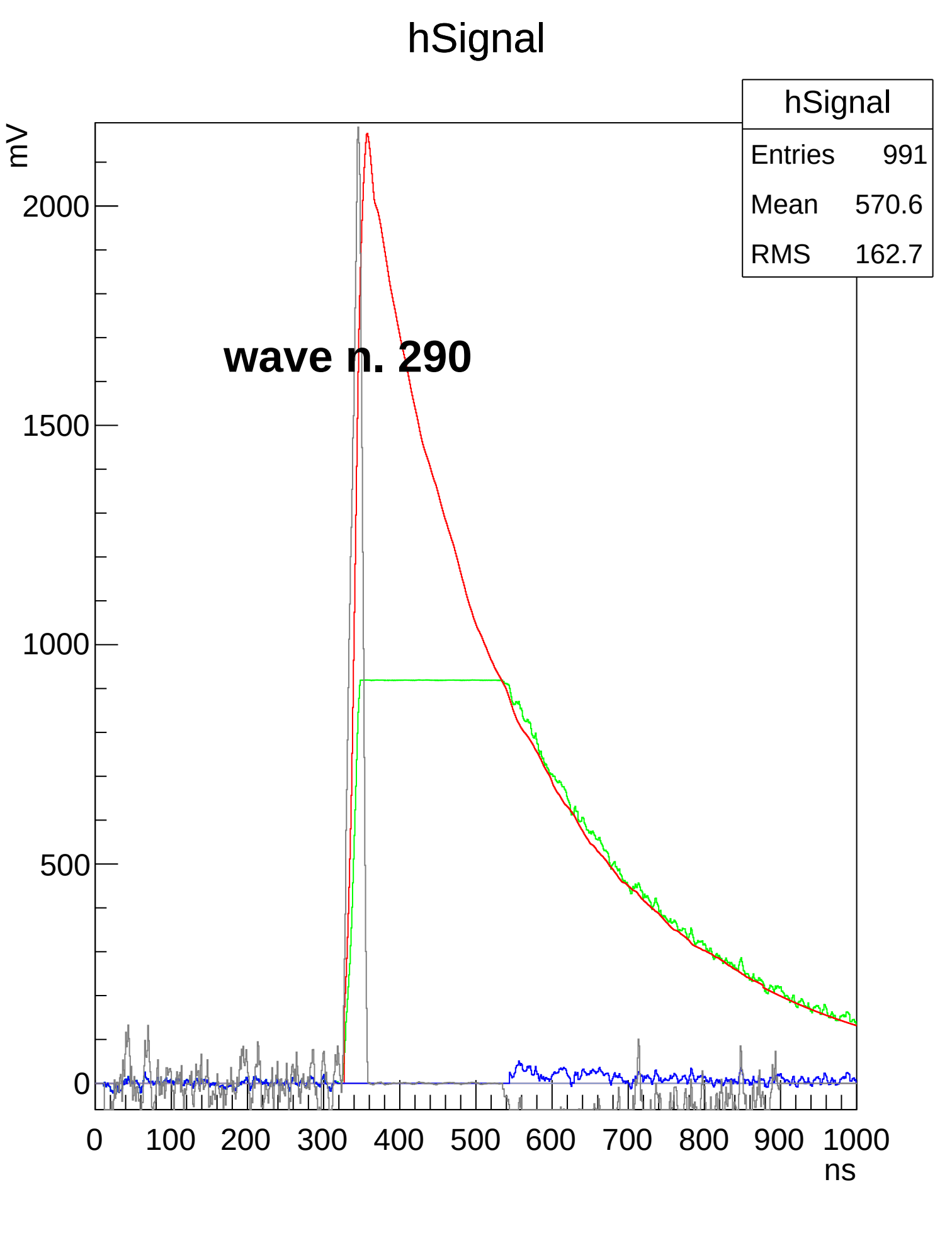

hSignal
hSignal
Entries 991
Mean 585.1
RMS 159.9
wave n. 285
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

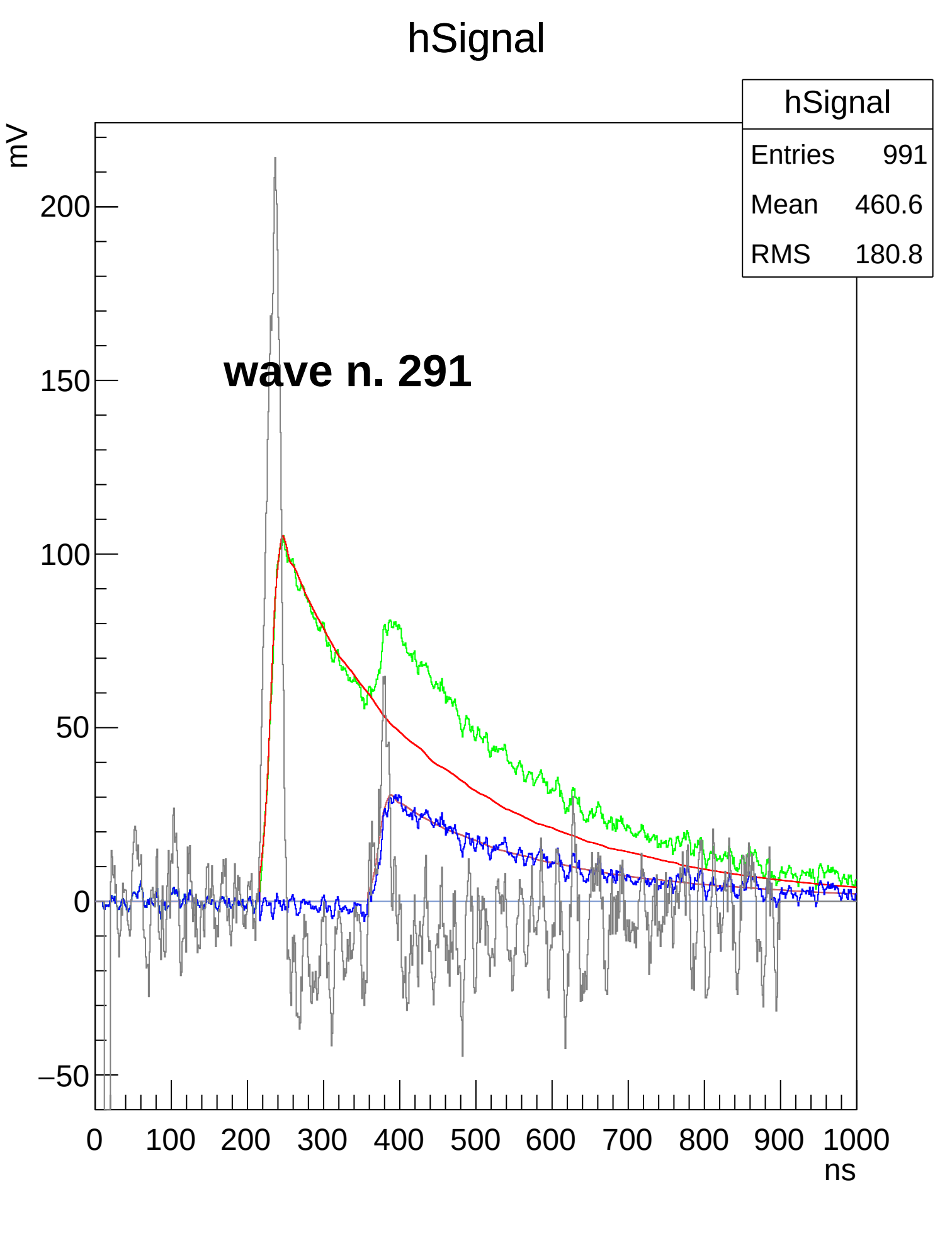

hSignal
hSignal
Entries 991
Mean 527.7
RMS 179.6
wave n. 286
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

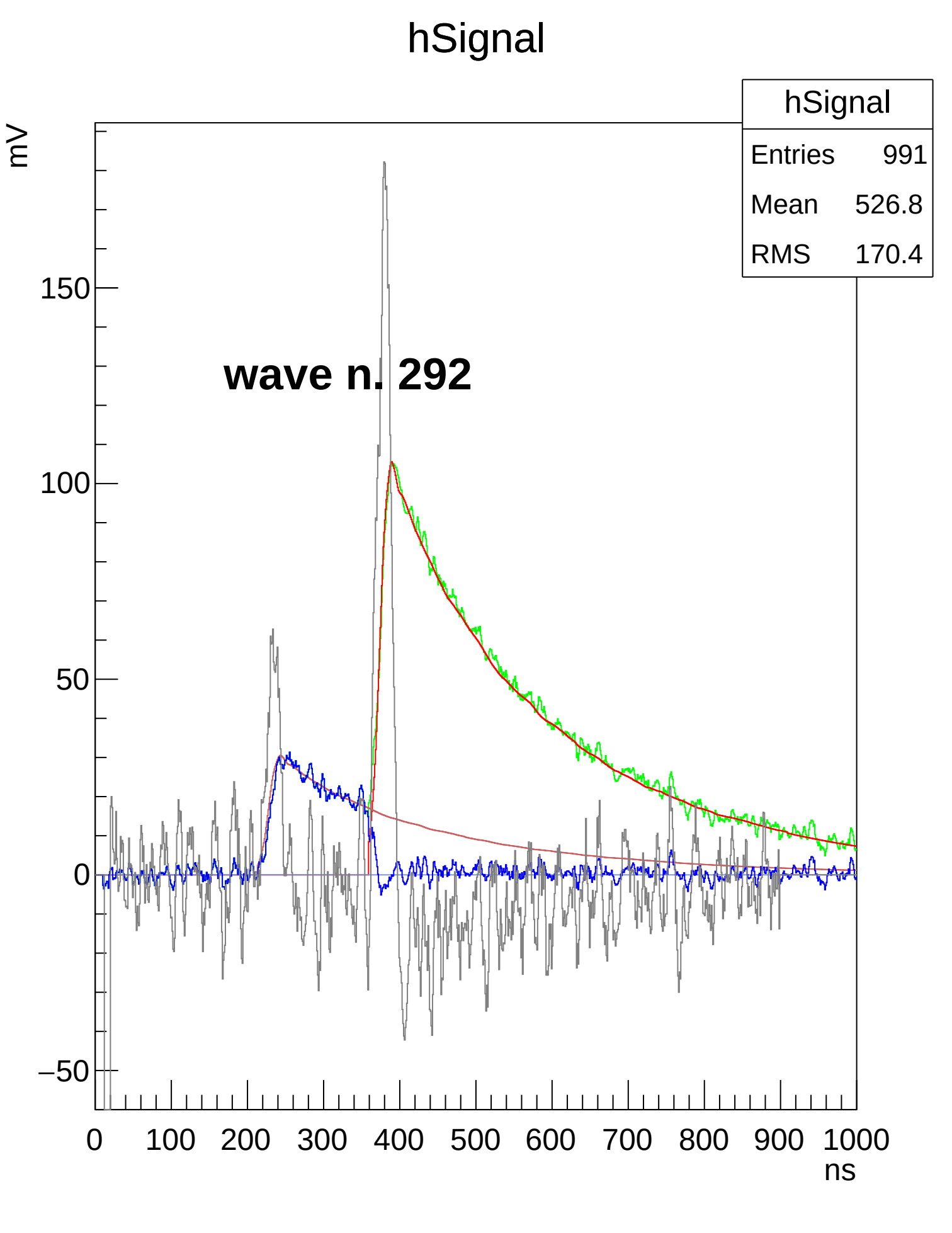

hSignal
hSignal
Entries 991
Mean 511
RMS 189.4
wave n. 287
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

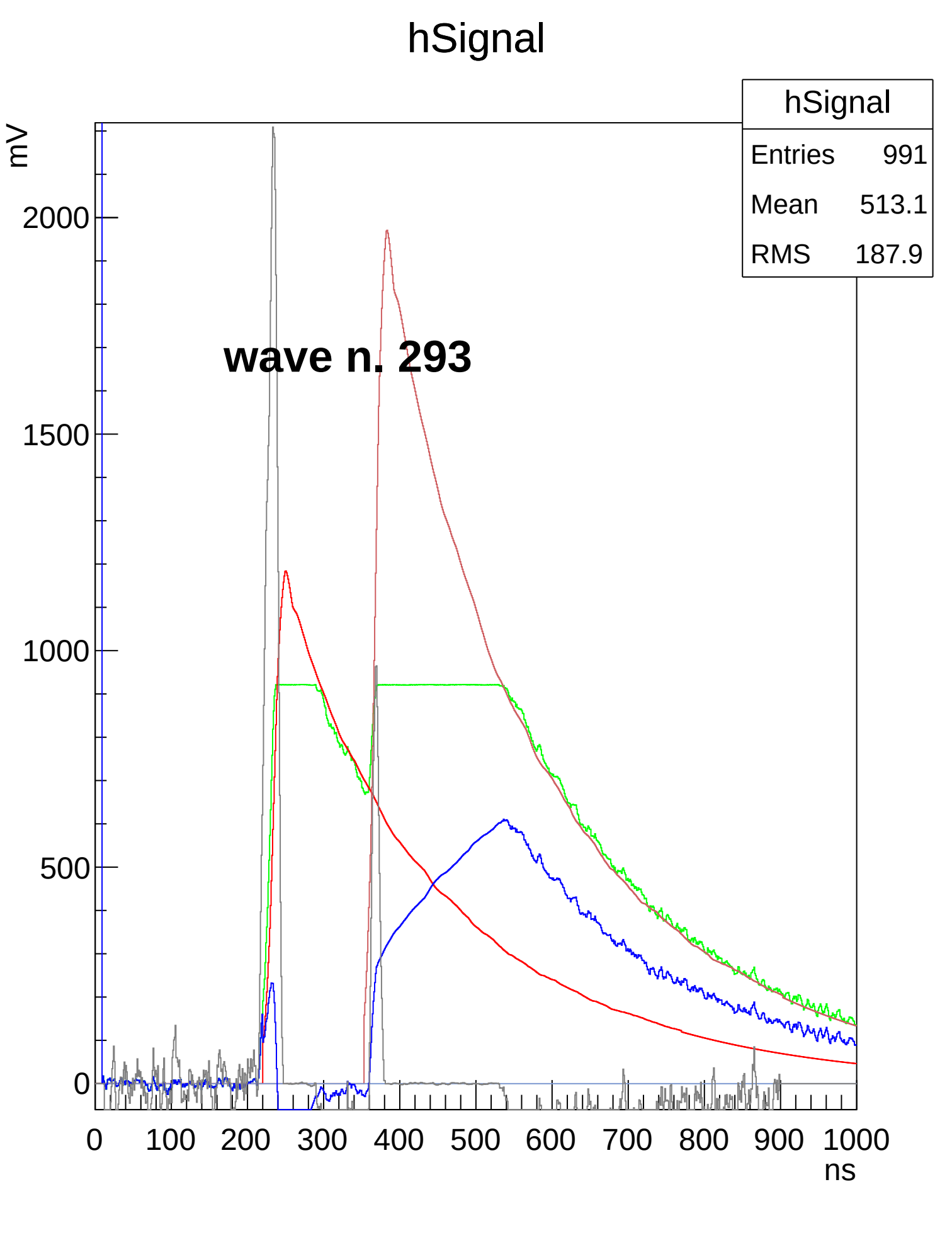

hSignal
hSignal
Entries 991
Mean 551.5
RMS 159.1
wave n. 288
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

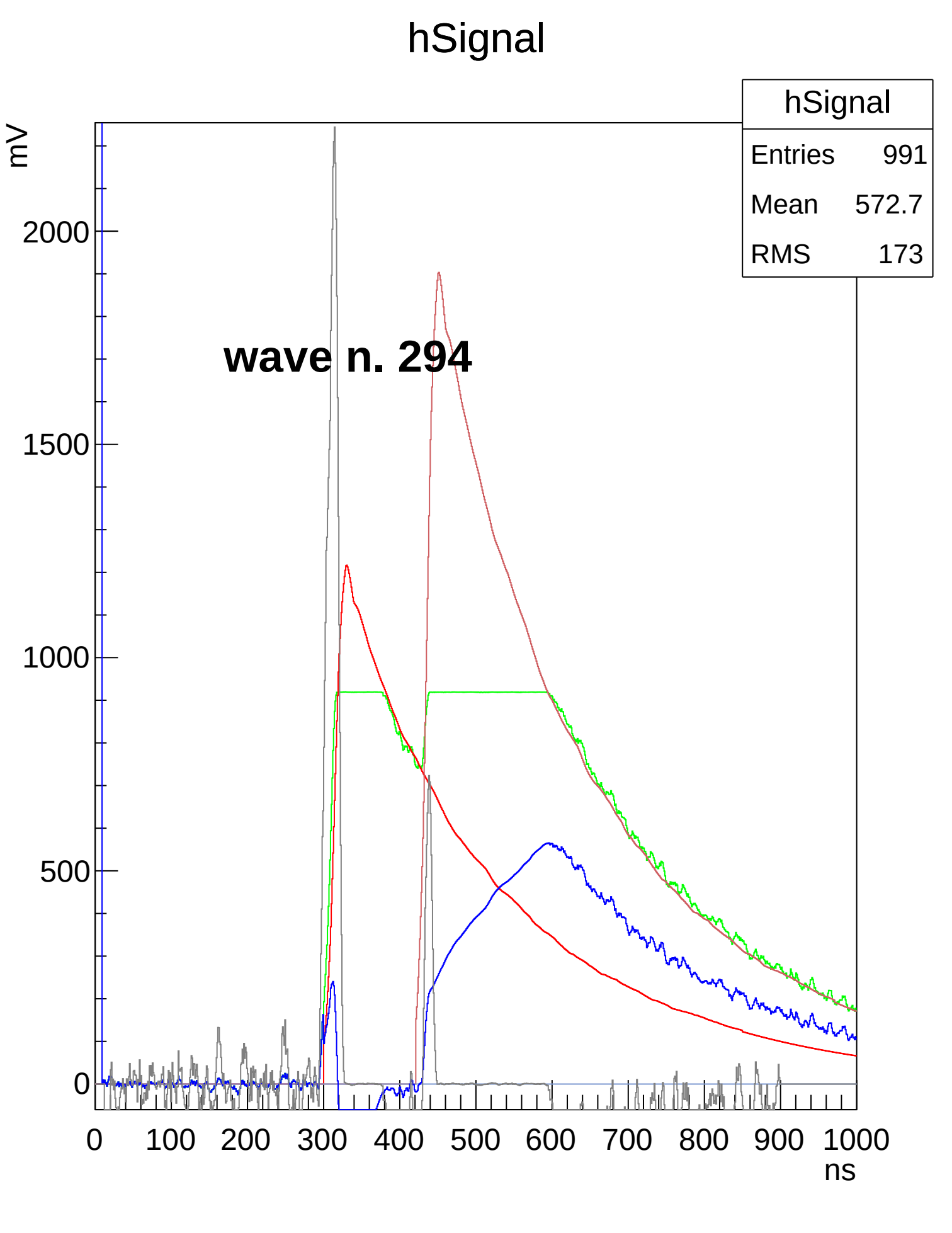

hSignal
hSignal
Entries 991
Mean 541.3
RMS 159.8
wave n. 289
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

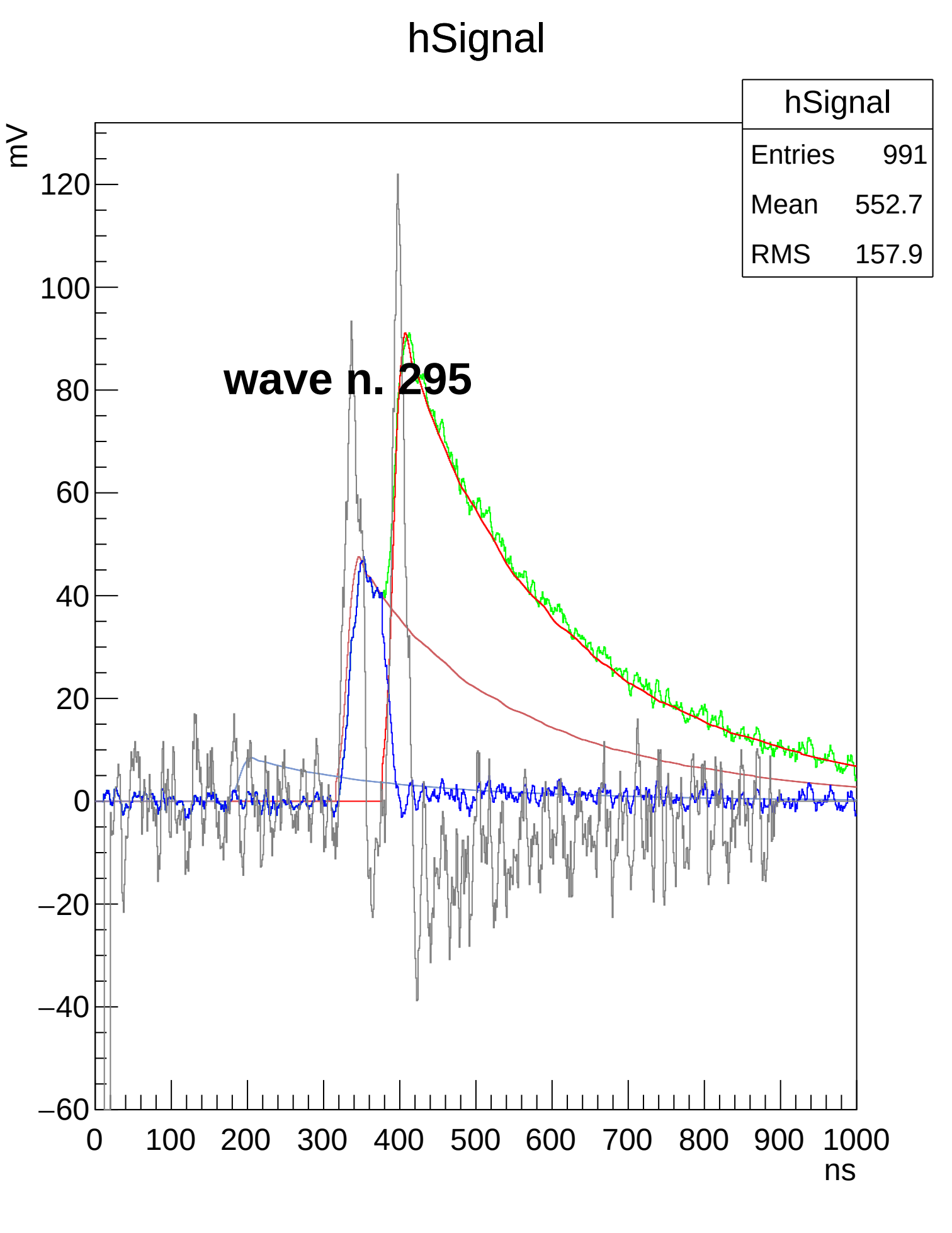

hSignal
hSignal
Entries 991
Mean 570.6
RMS 162.7
wave n. 290
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

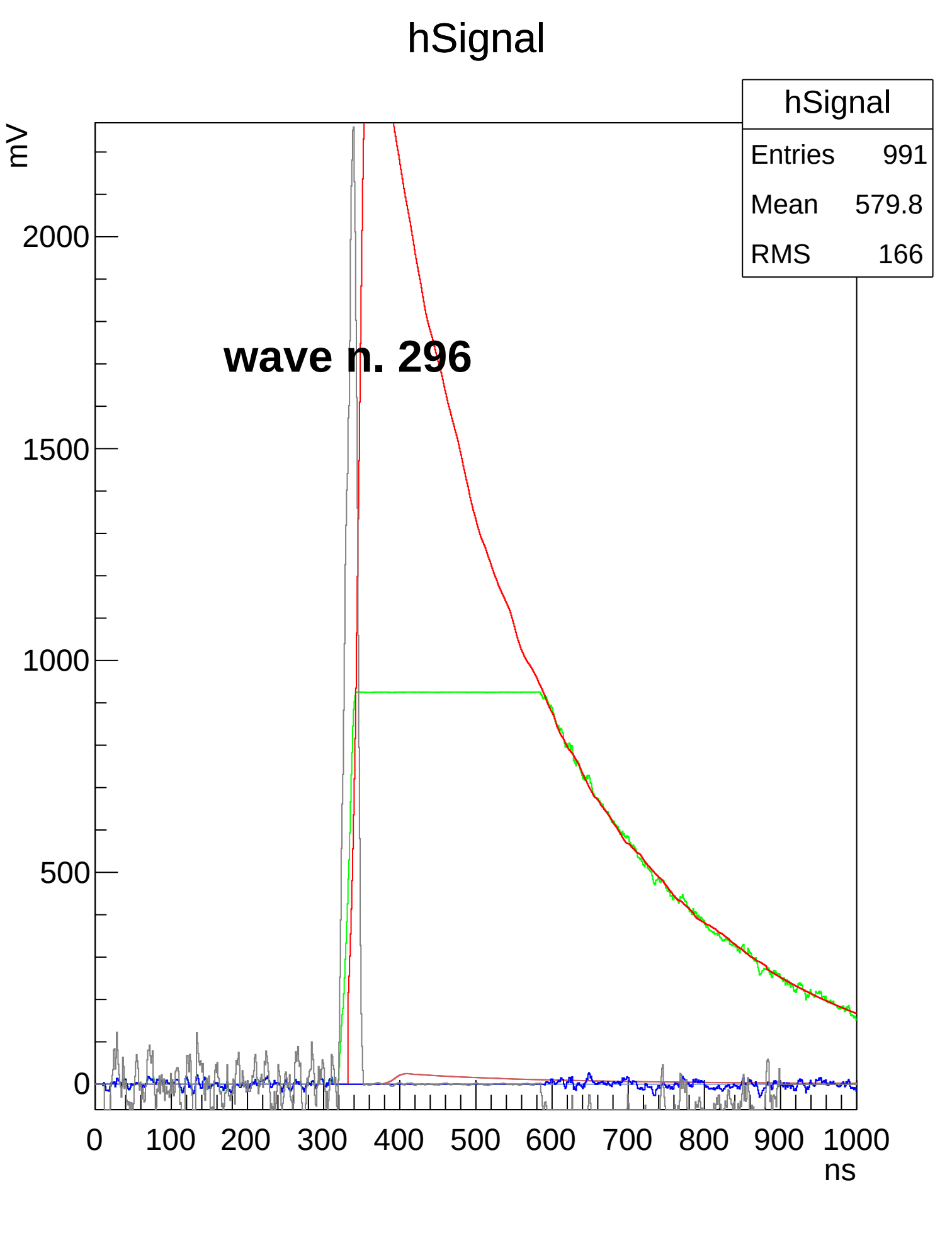

hSignal
hSignal
Entries 991
Mean 460.6
RMS 180.8
wave n. 291
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

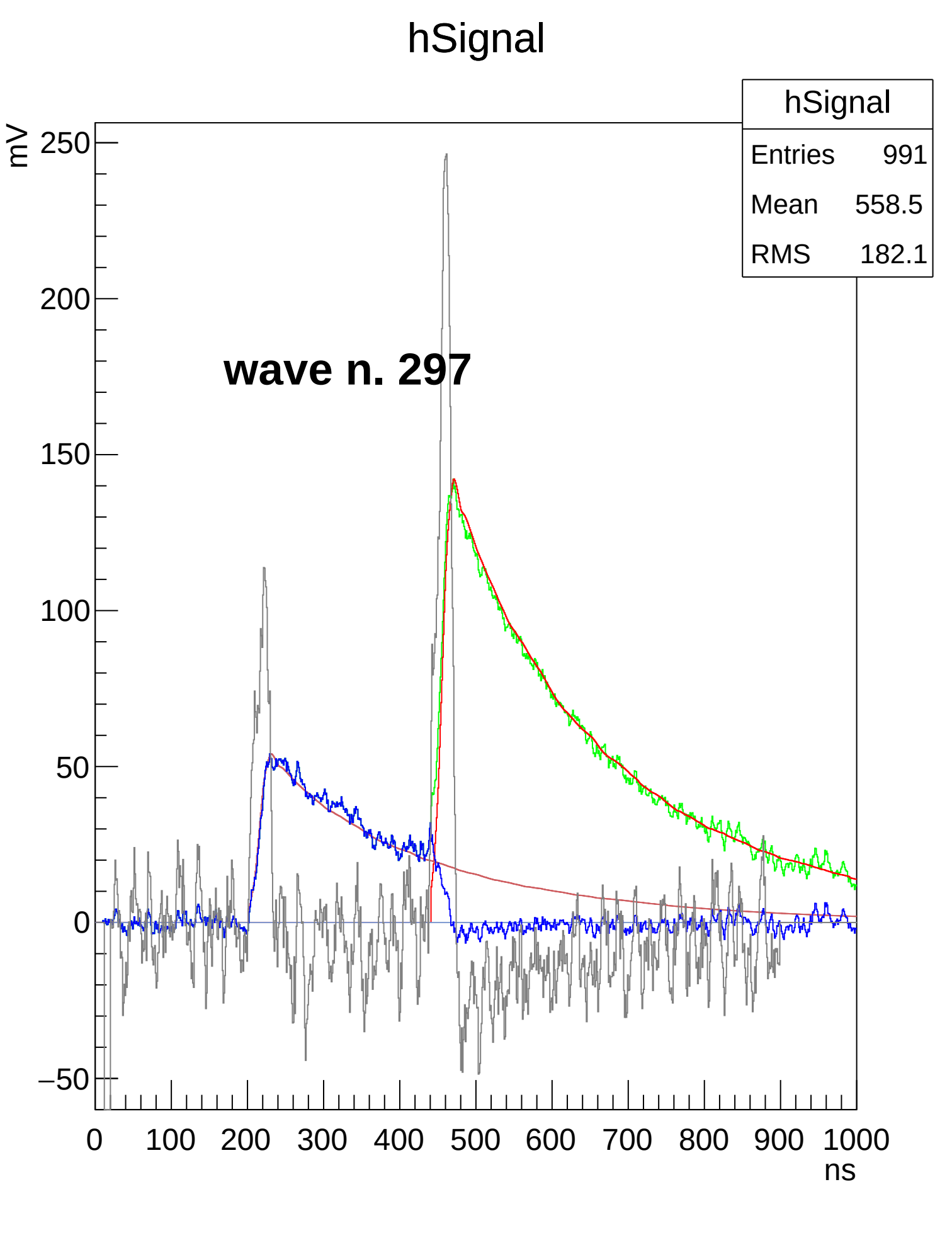

hSignal
hSignal
Entries 991
Mean 526.8
RMS 170.4
wave n. 292
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

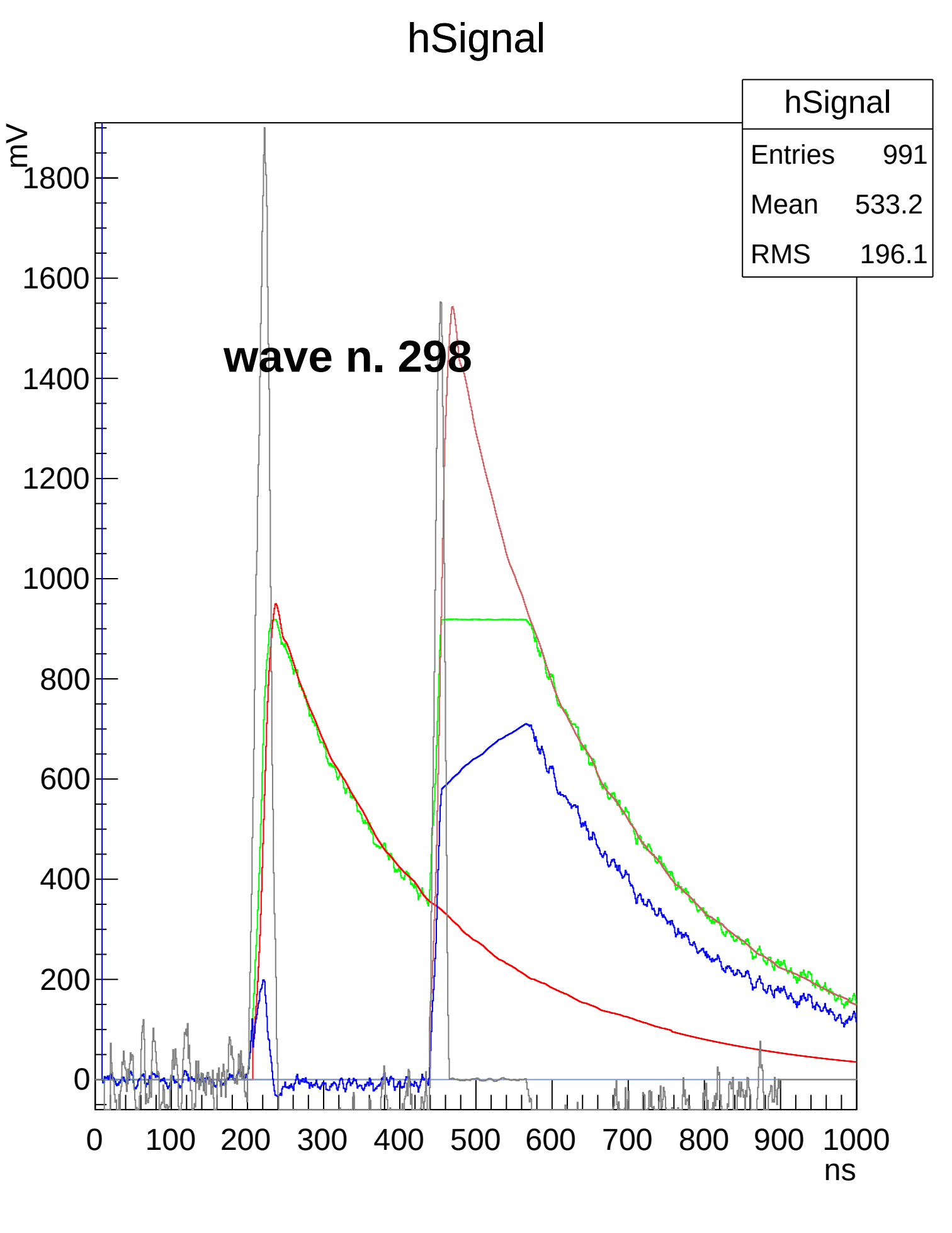

hSignal
hSignal
Entries 991
Mean 513.1
RMS 187.9
wave n. 293
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

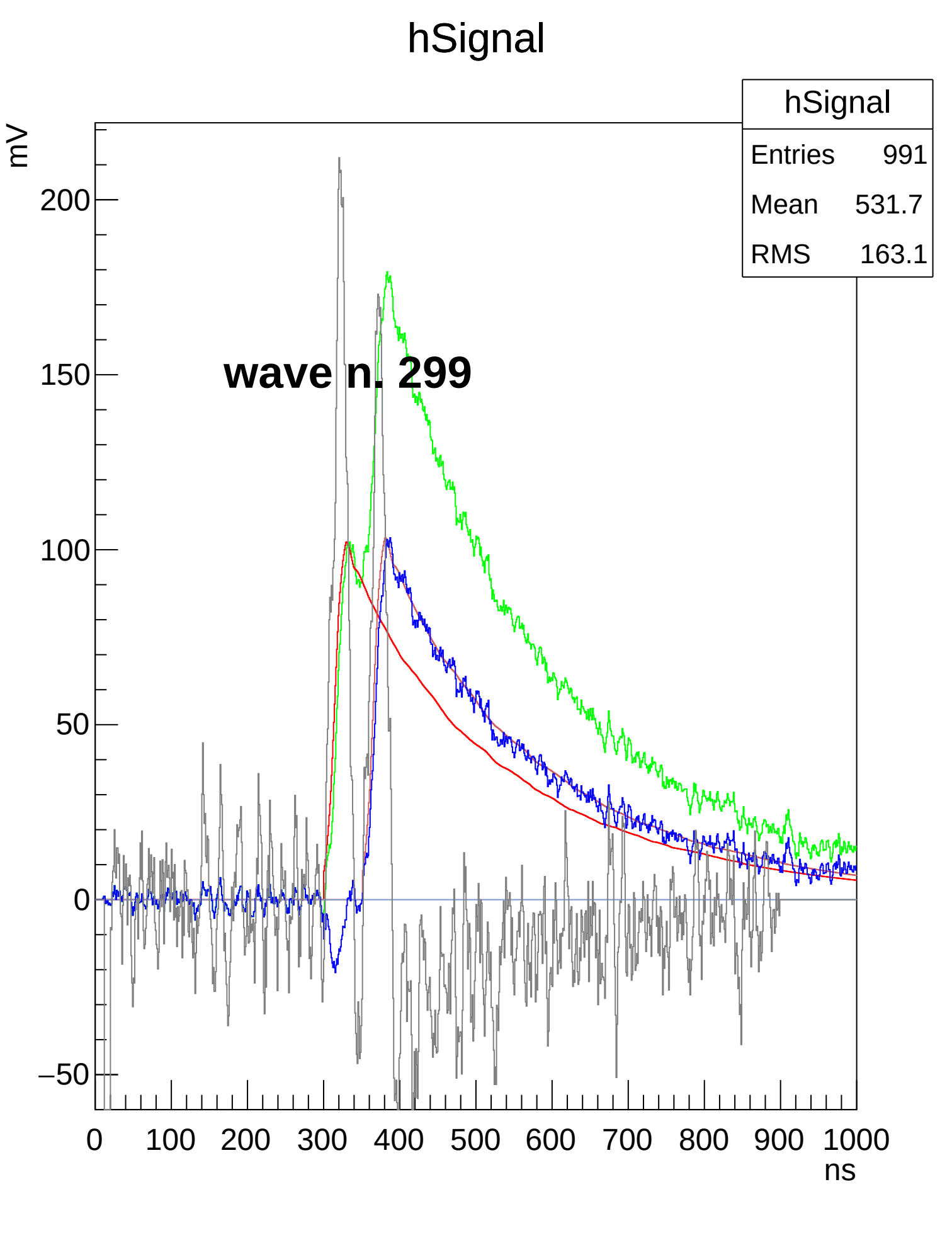

hSignal
hSignal
Entries 991
Mean 572.7
RMS 173
wave n. 294
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

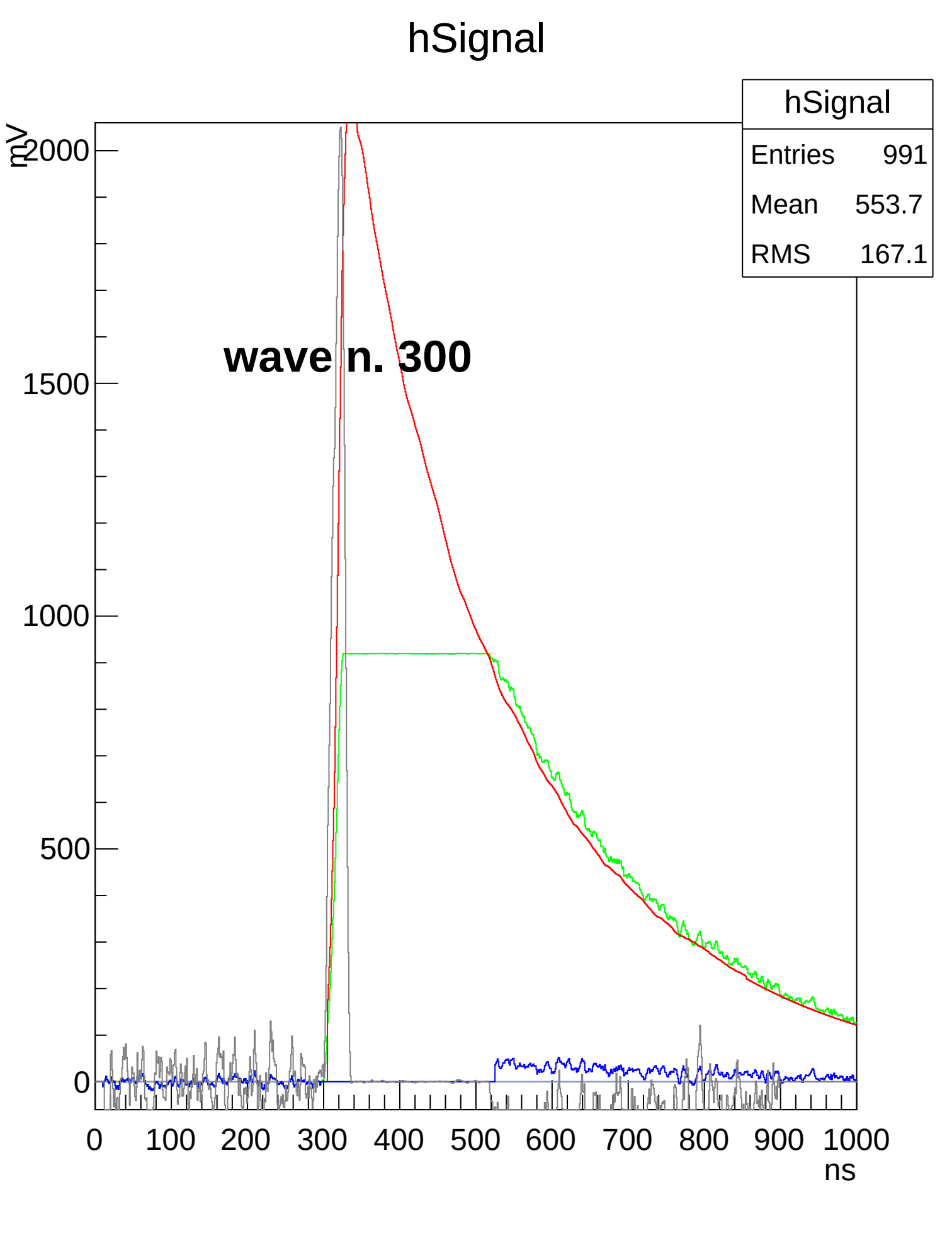

hSignal
hSignal
Entries 991
Mean 552.7
RMS 157.9
wave n. 295
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

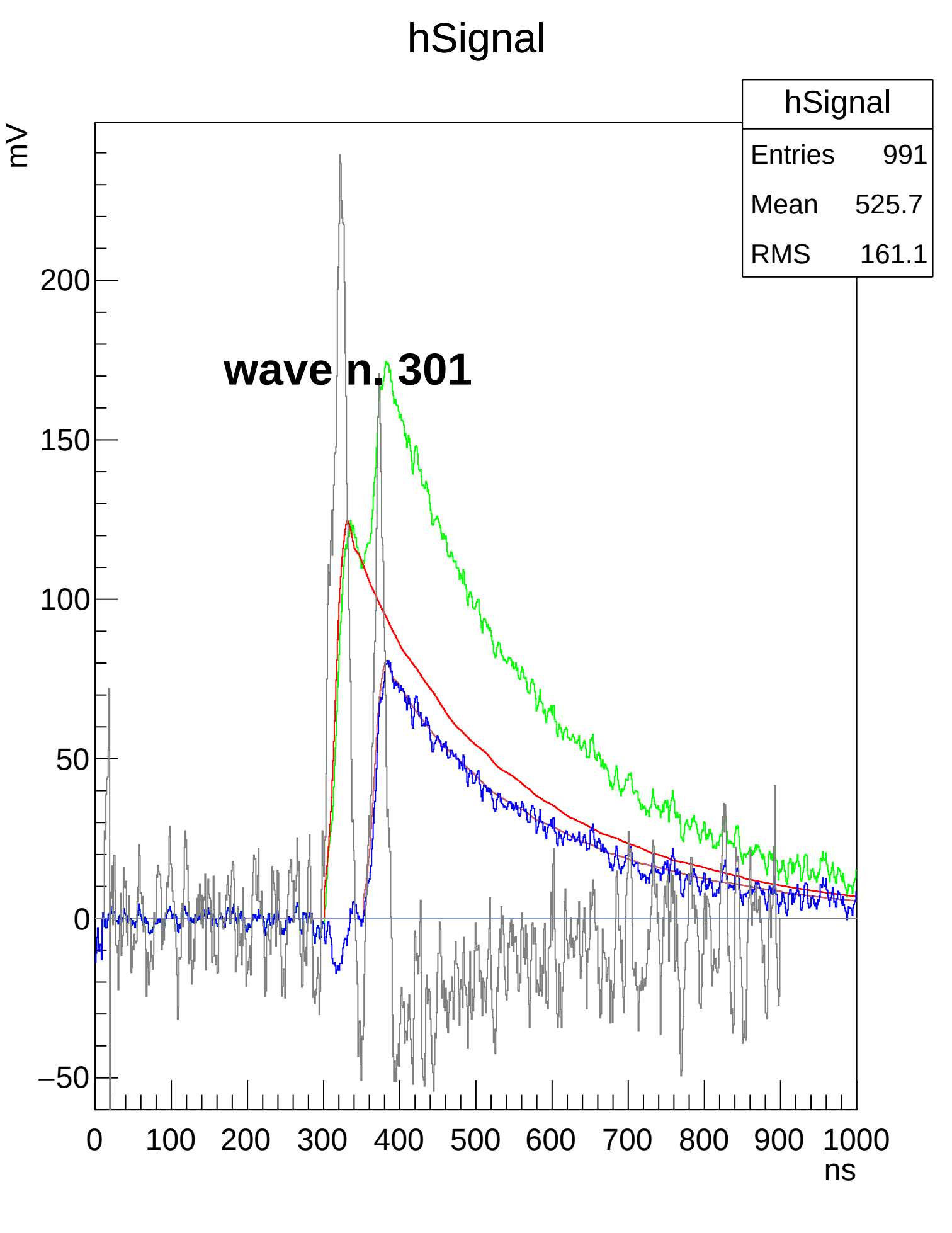

hSignal
hSignal
Entries 991
Mean 579.8
RMS 166
wave n. 296
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

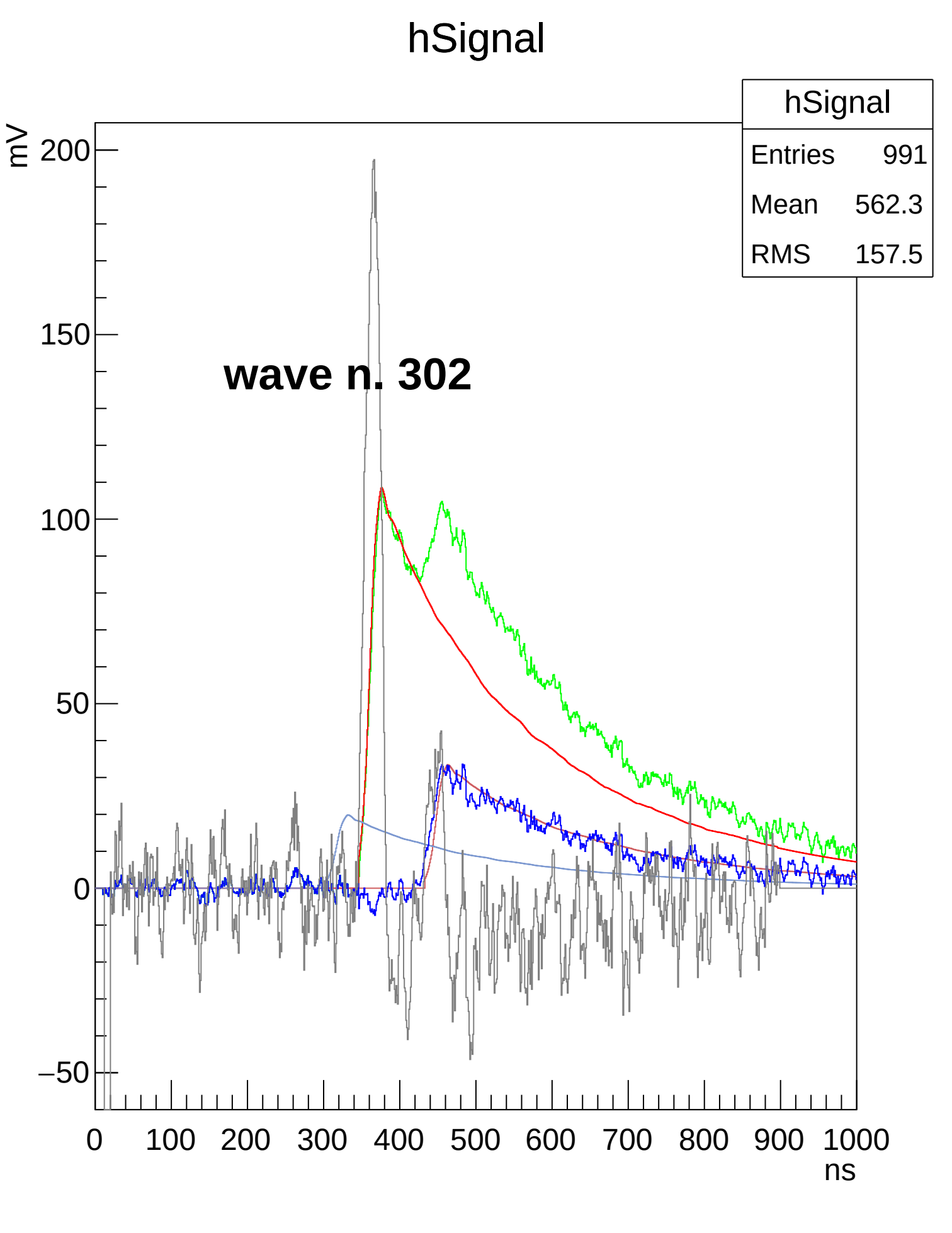

hSignal
hSignal
Entries 991
Mean 558.5
RMS 182.1
wave n. 297
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

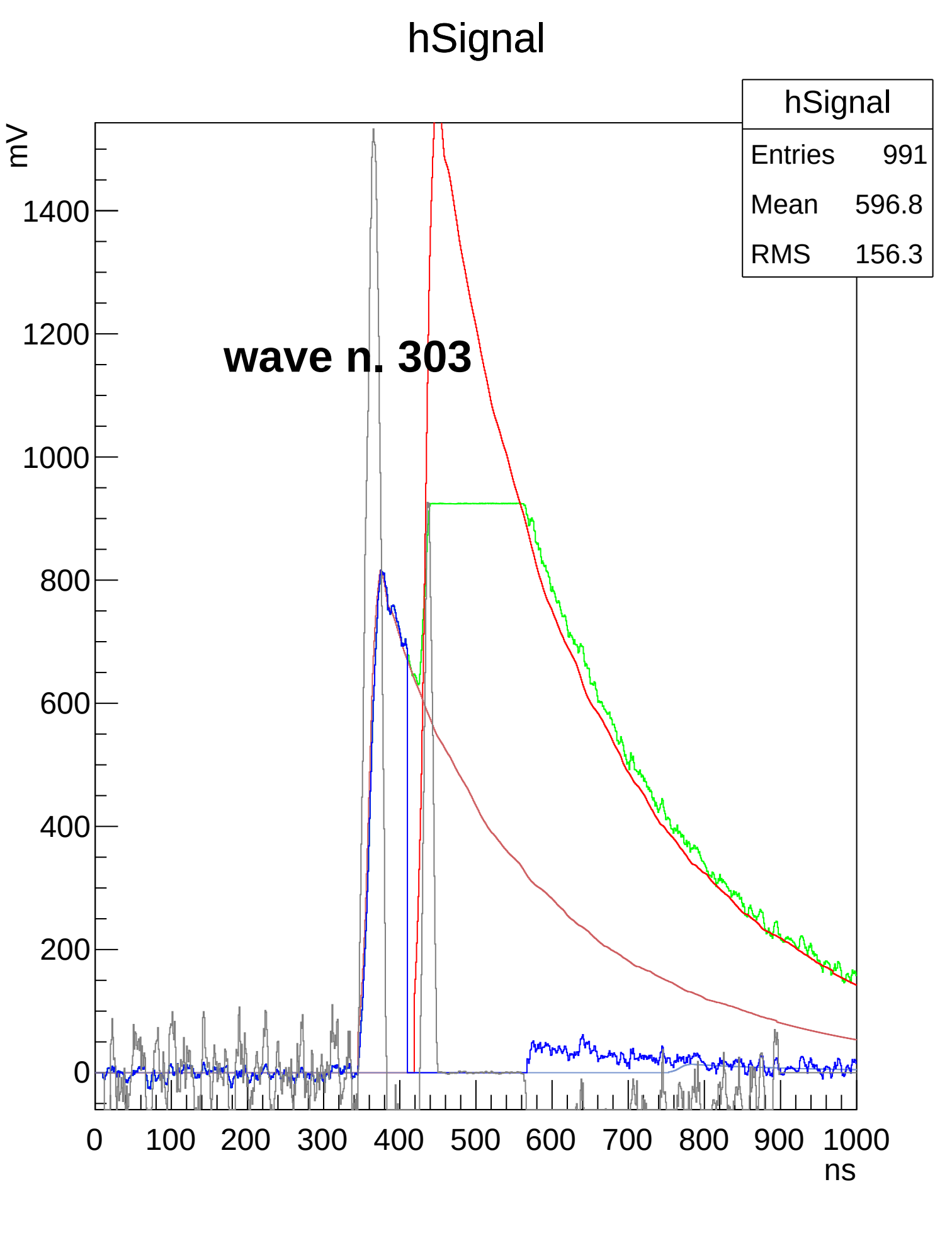

hSignal
hSignal
Entries 991
Mean 533.2
RMS 196.1
wave n. 298
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

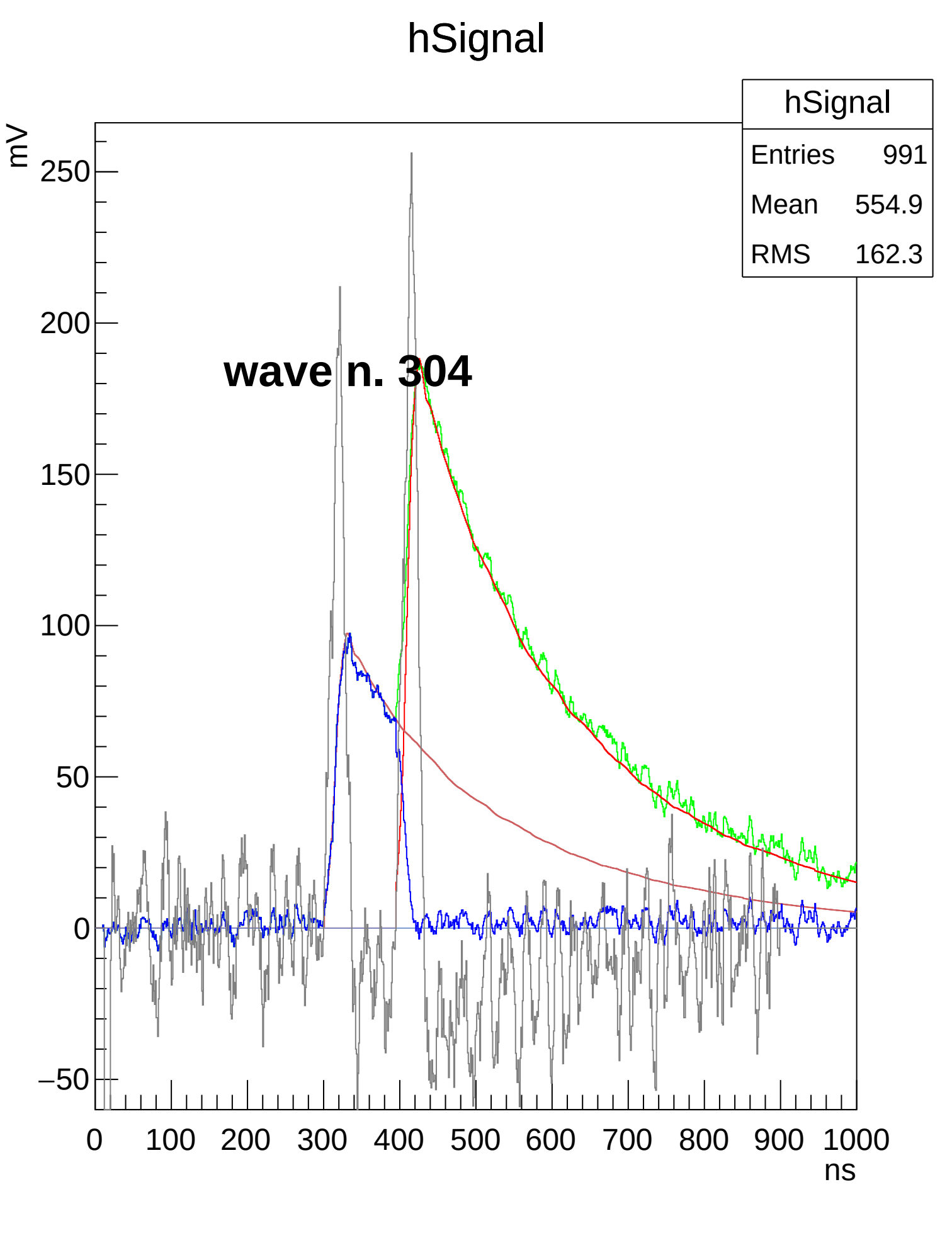

hSignal
hSignal
Entries 991
Mean 531.7
RMS 163.1
wave n. 299
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

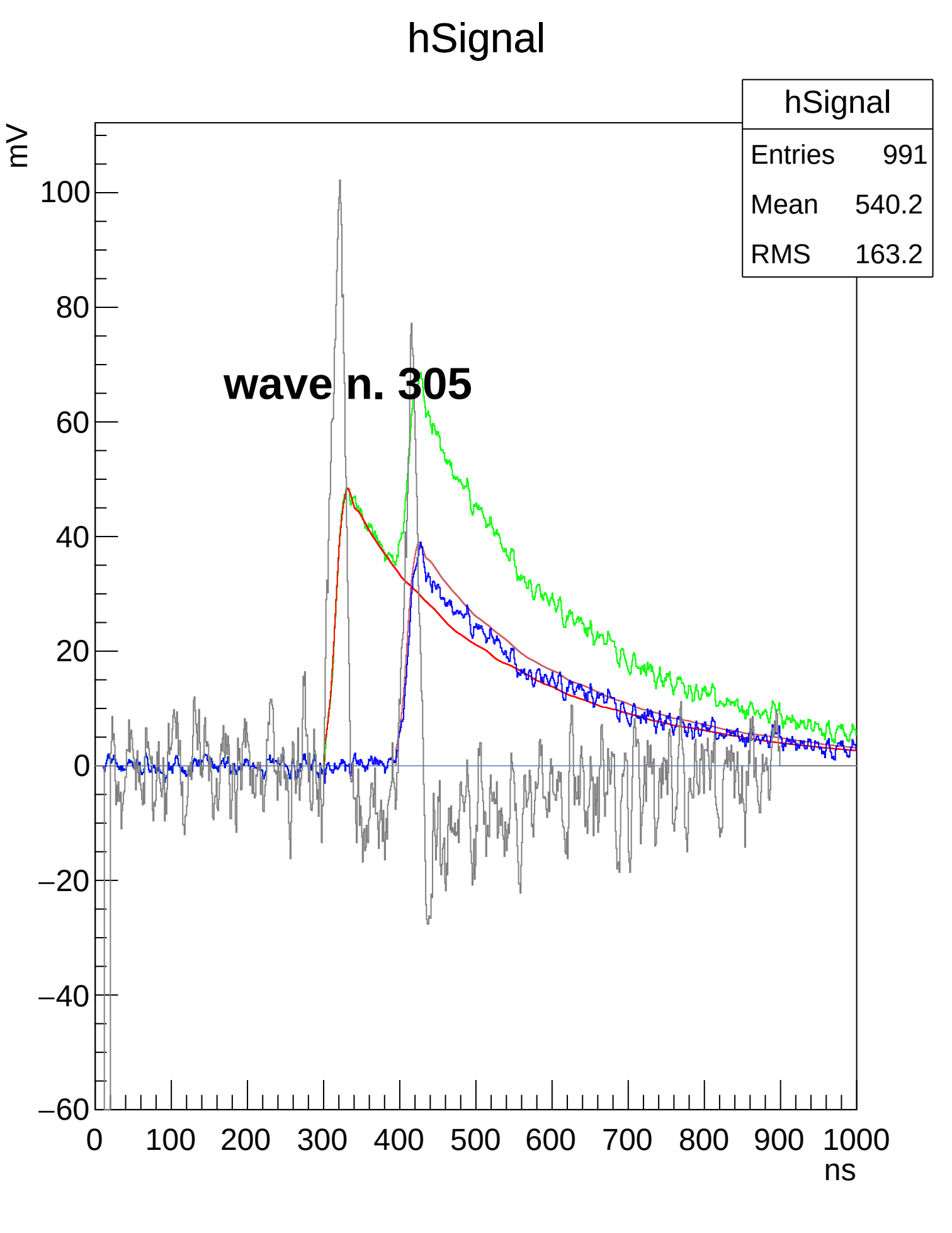

hSignal
hSignal
Entries 991
Mean 553.7
RMS 167.1
wave n. 300
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

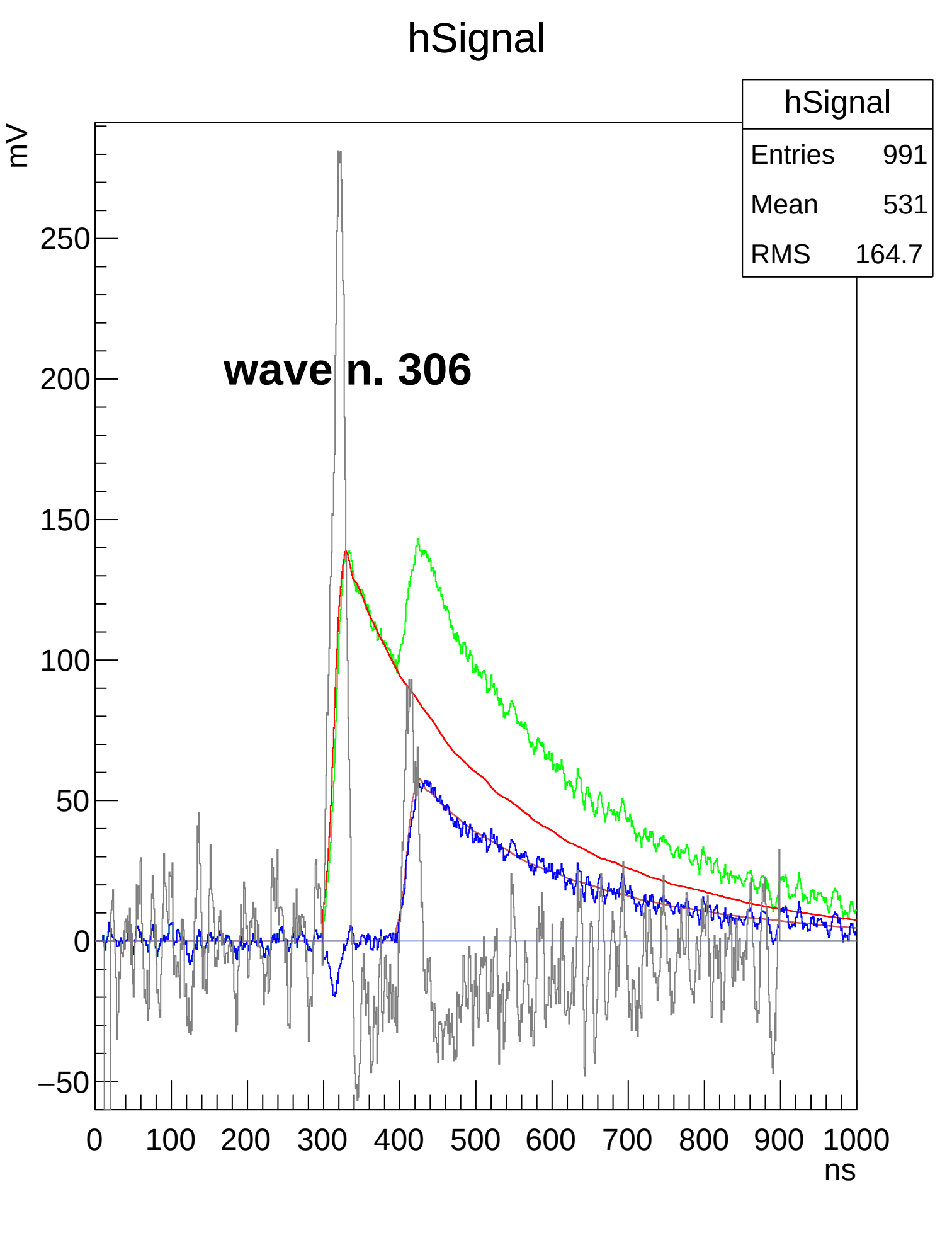

hSignal
hSignal
Entries 991
Mean 525.7
RMS 161.1
wave n. 301
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

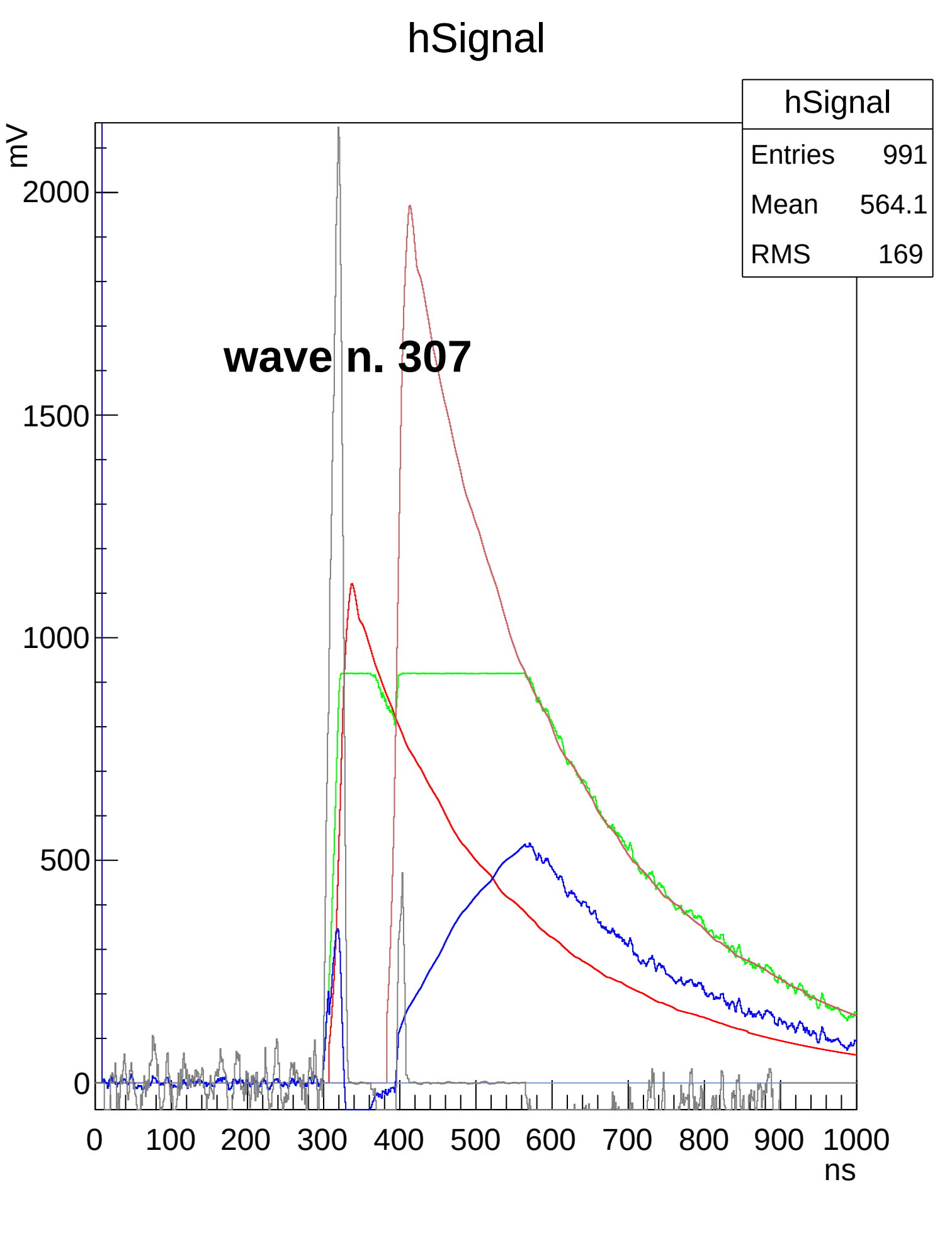

hSignal
hSignal
Entries 991
Mean 562.3
RMS 157.5
wave n. 302
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

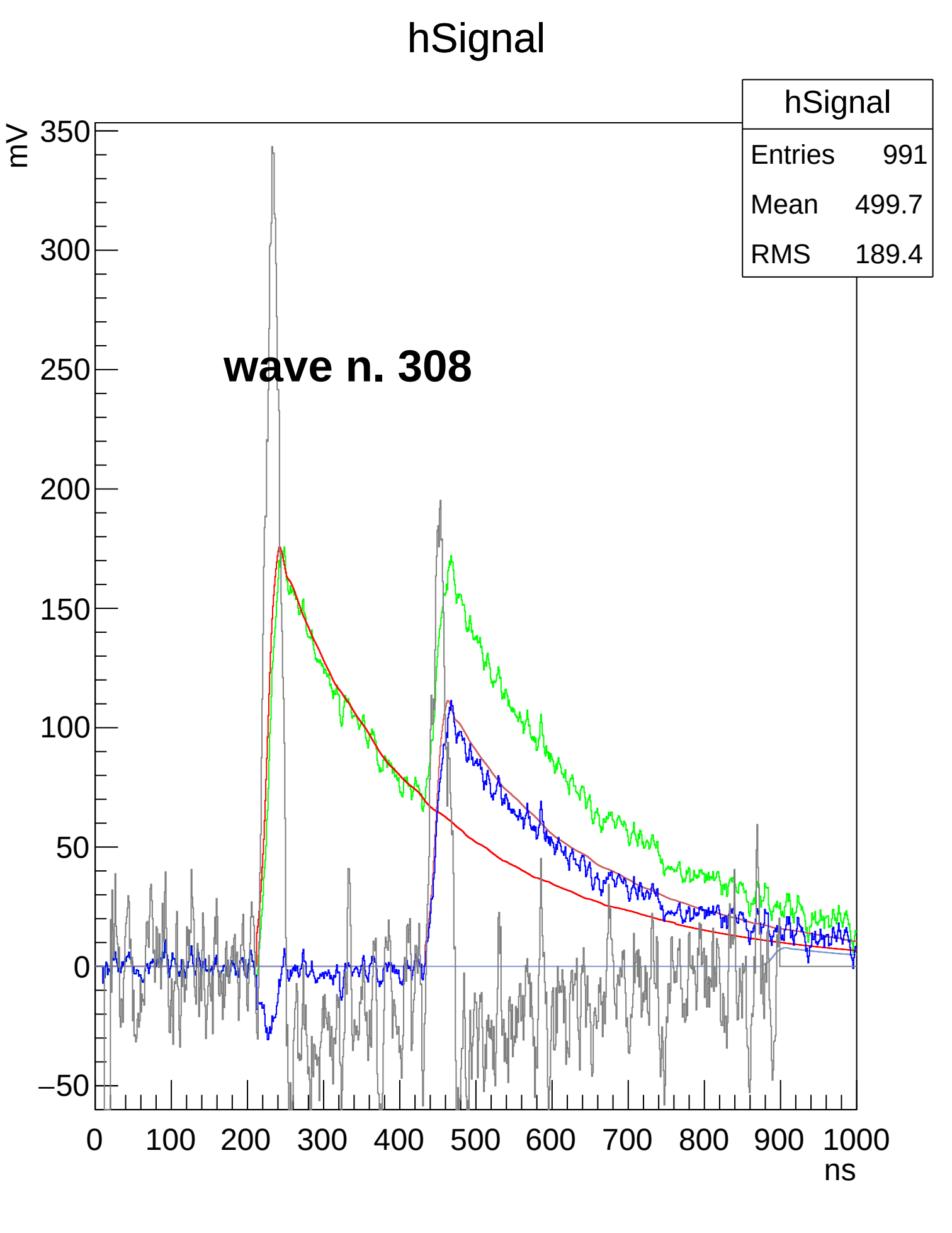

hSignal
hSignal
Entries 991
Mean 596.8
RMS 156.3
wave n. 303
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

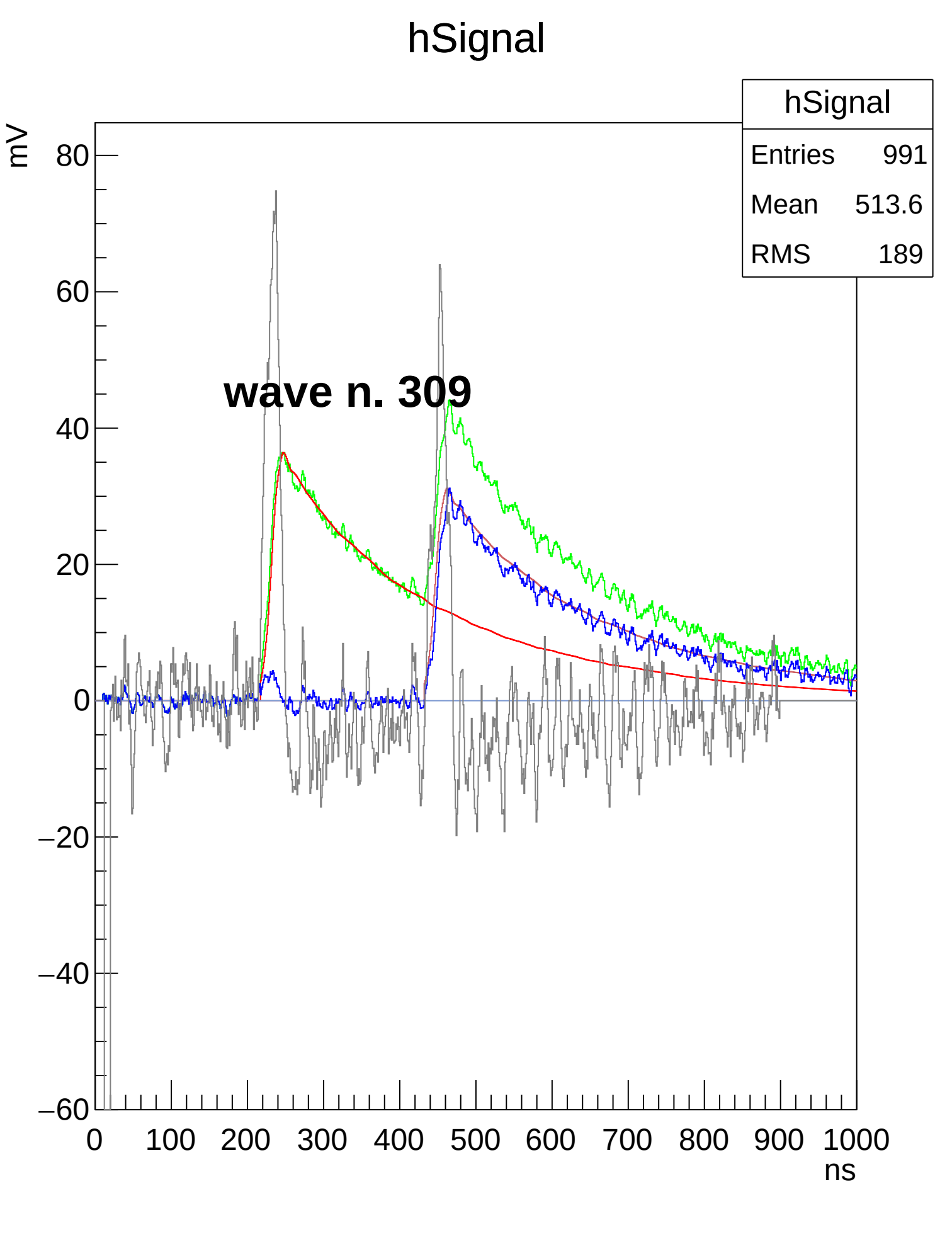

hSignal
hSignal
Entries 991
Mean 554.9
RMS 162.3
wave n. 304
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

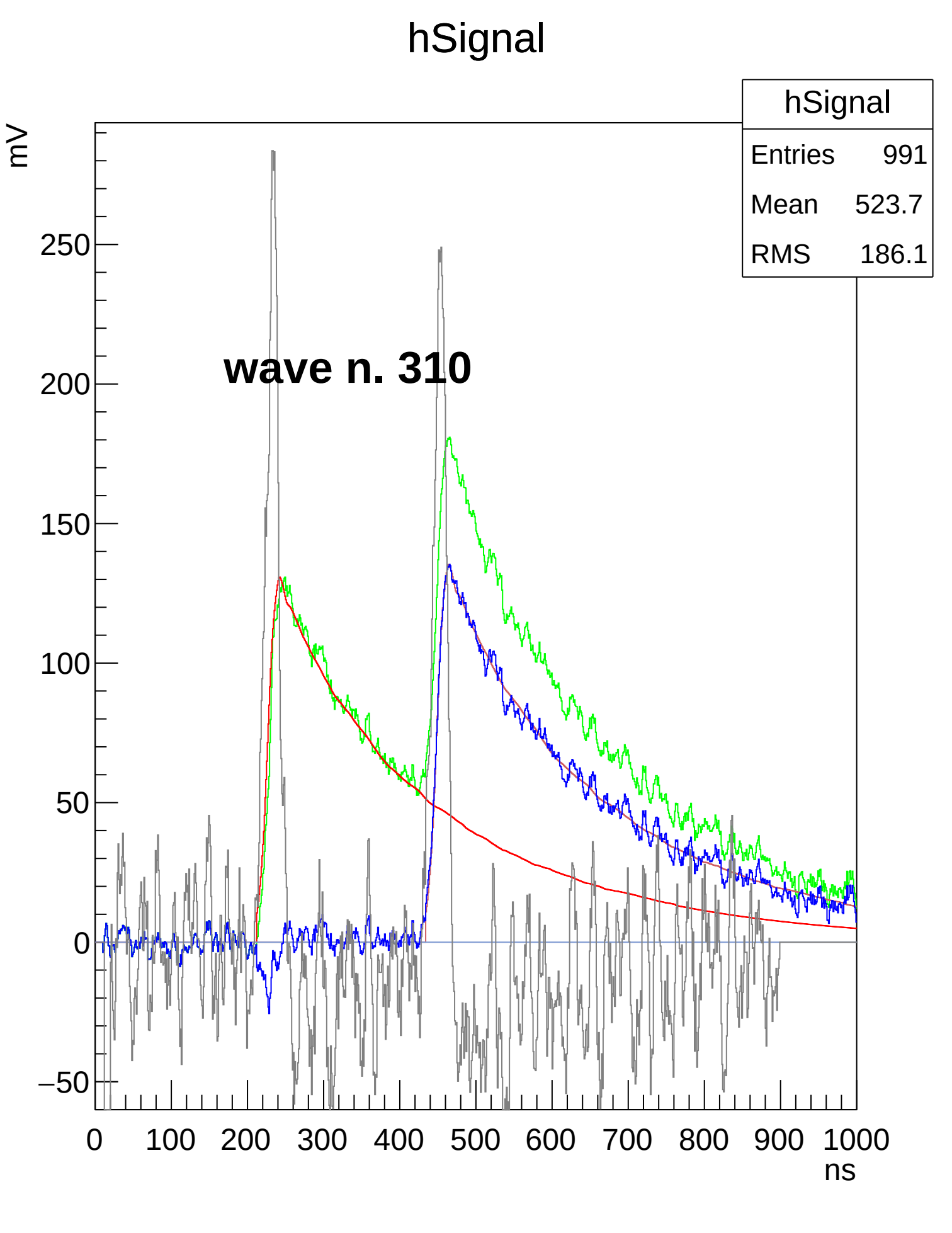

hSignal
hSignal
Entries 991
Mean 540.2
RMS 163.2
wave n. 305
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

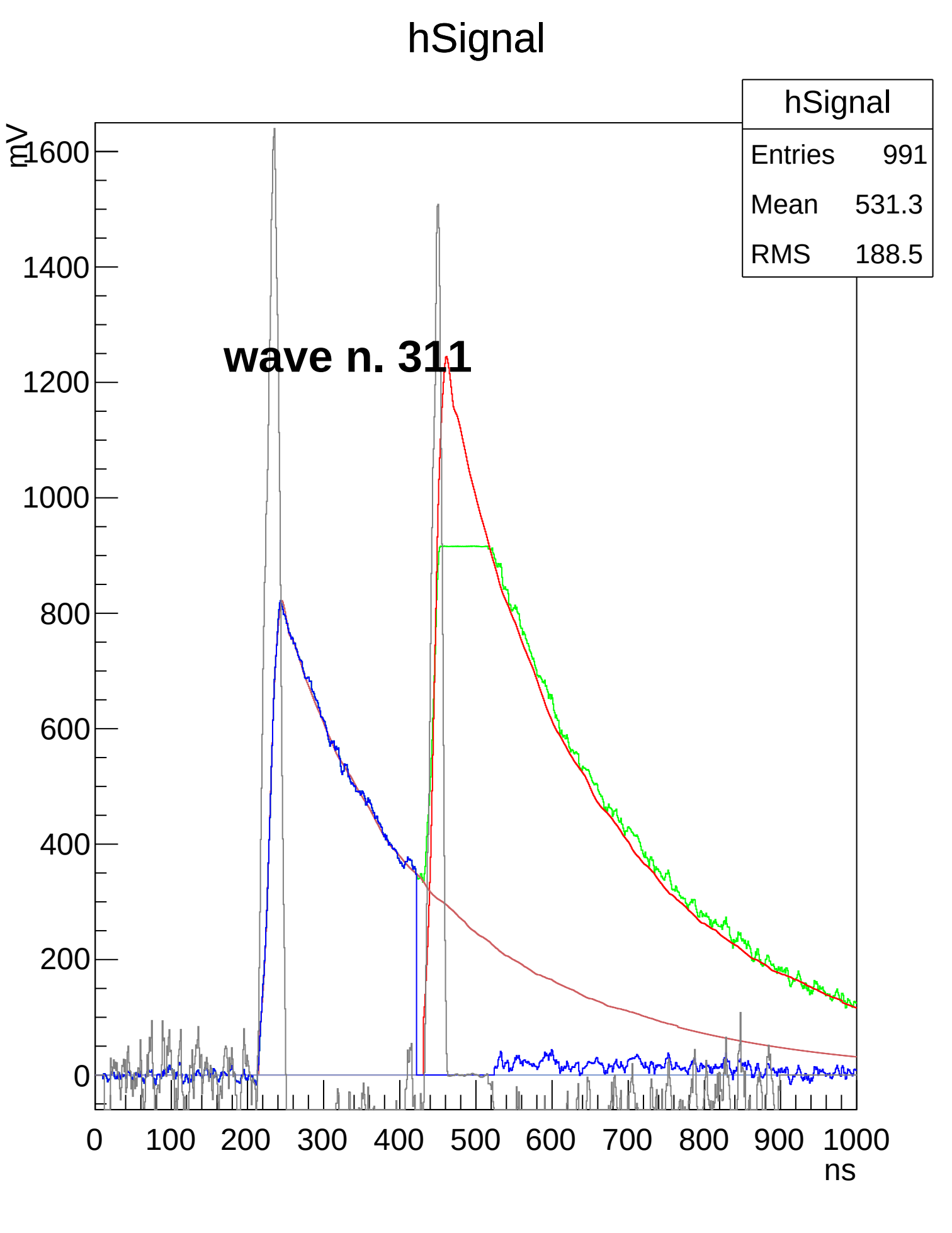

hSignal
hSignal
Entries 991
Mean 531
RMS 164.7
wave n. 306
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

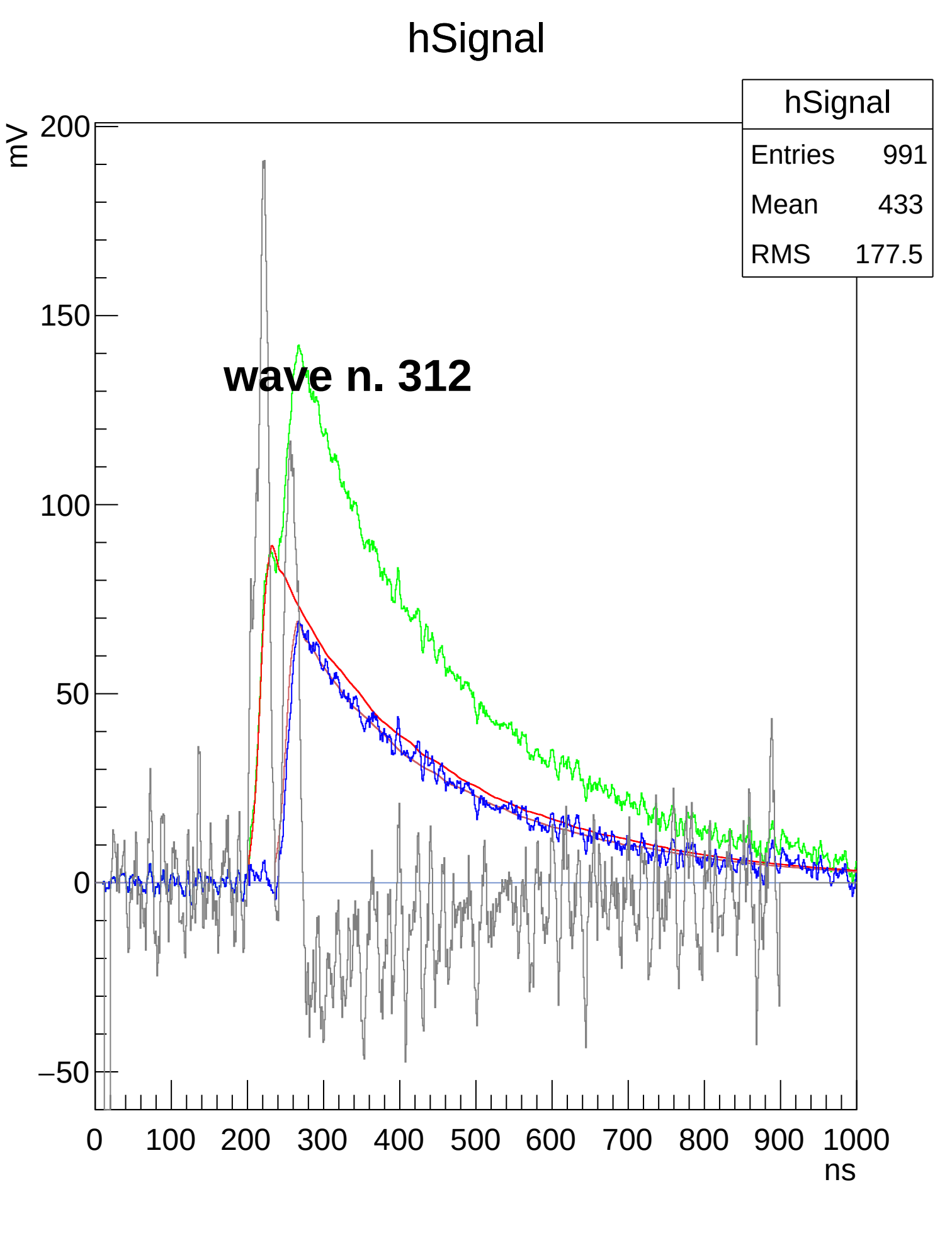

hSignal
hSignal
Entries 991
Mean 564.1
RMS 169
wave n. 307
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

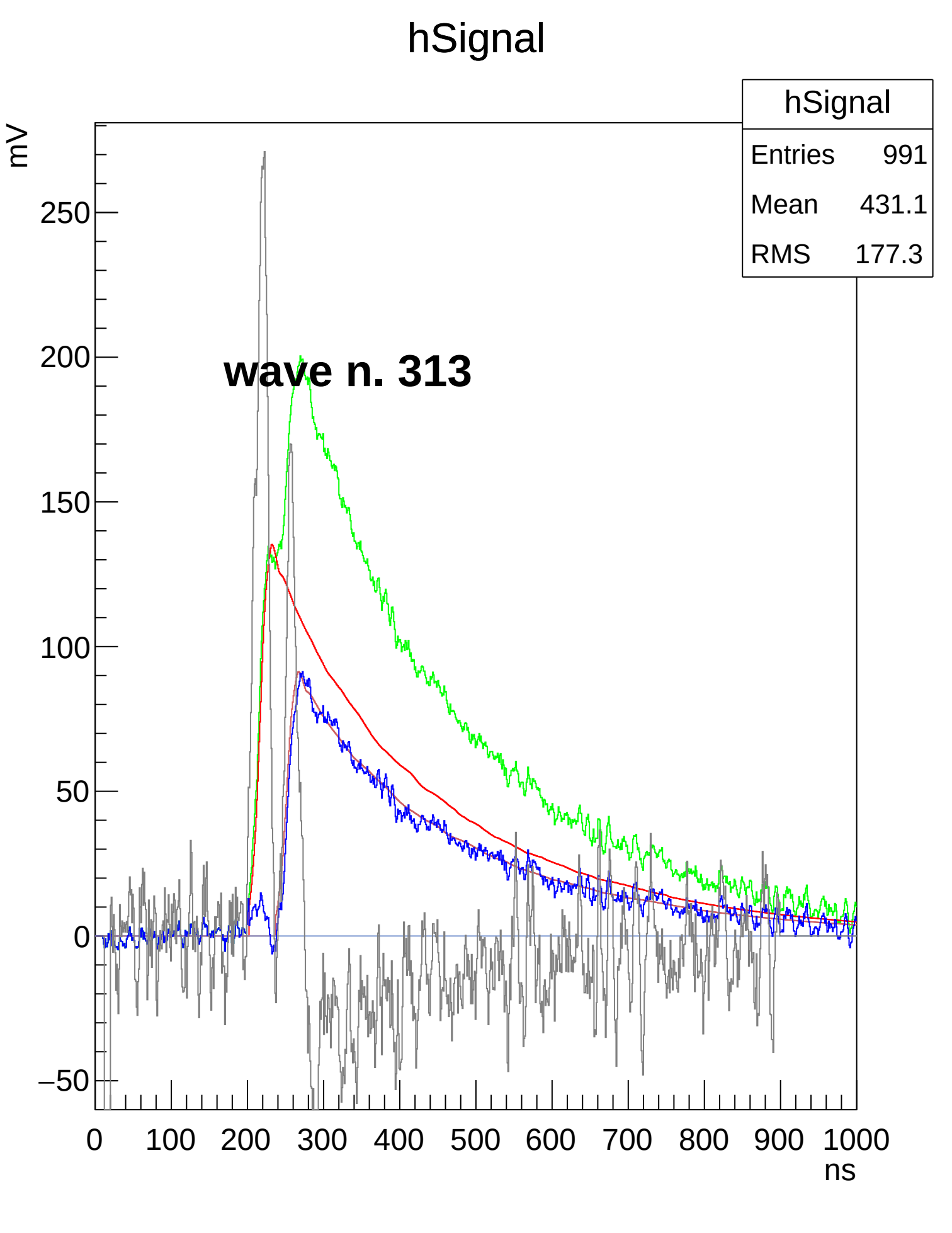

hSignal
hSignal
Entries 991
Mean 499.7
RMS 189.4
wave n. 308
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

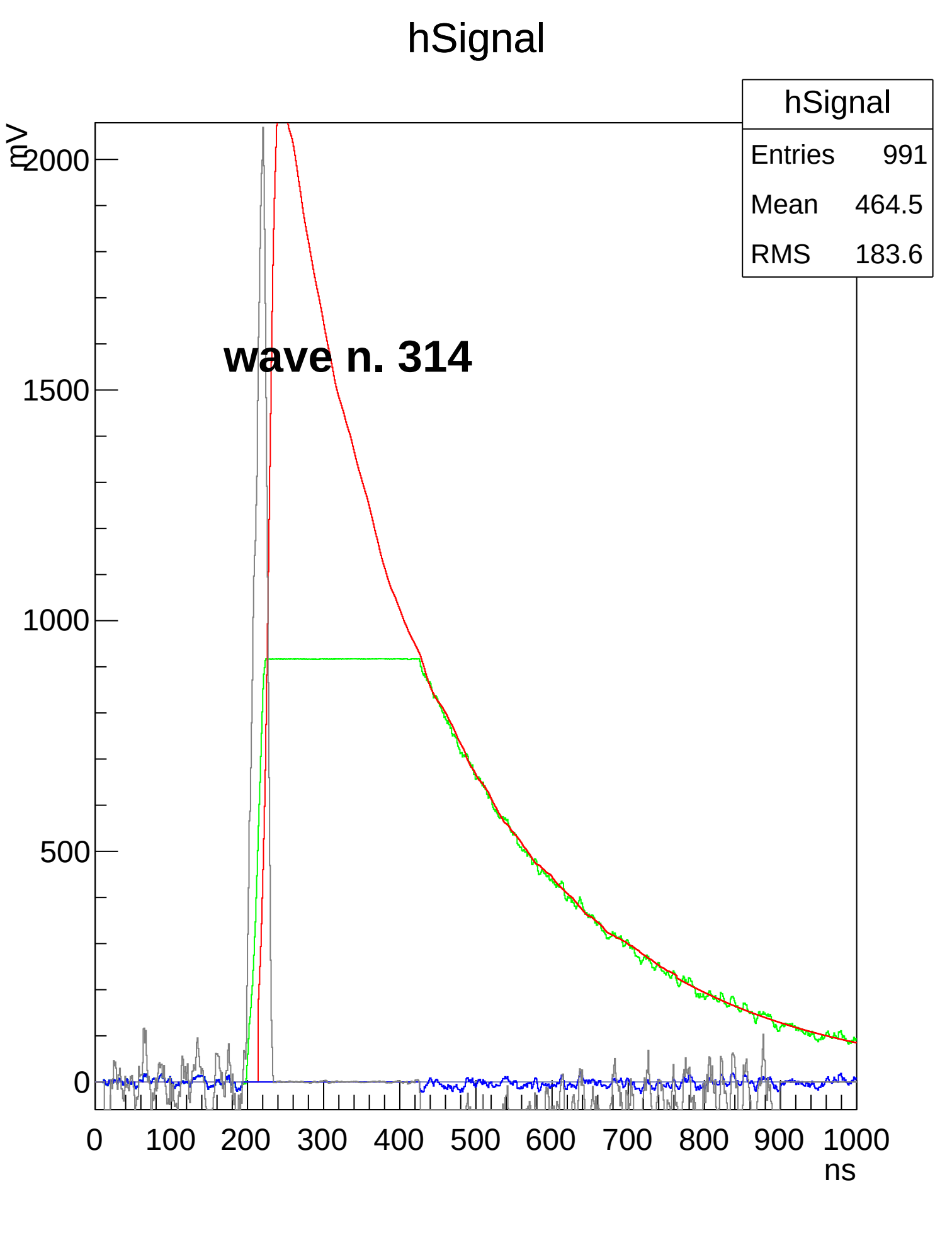

hSignal
hSignal
Entries 991
Mean 513.6
RMS 189
wave n. 309
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

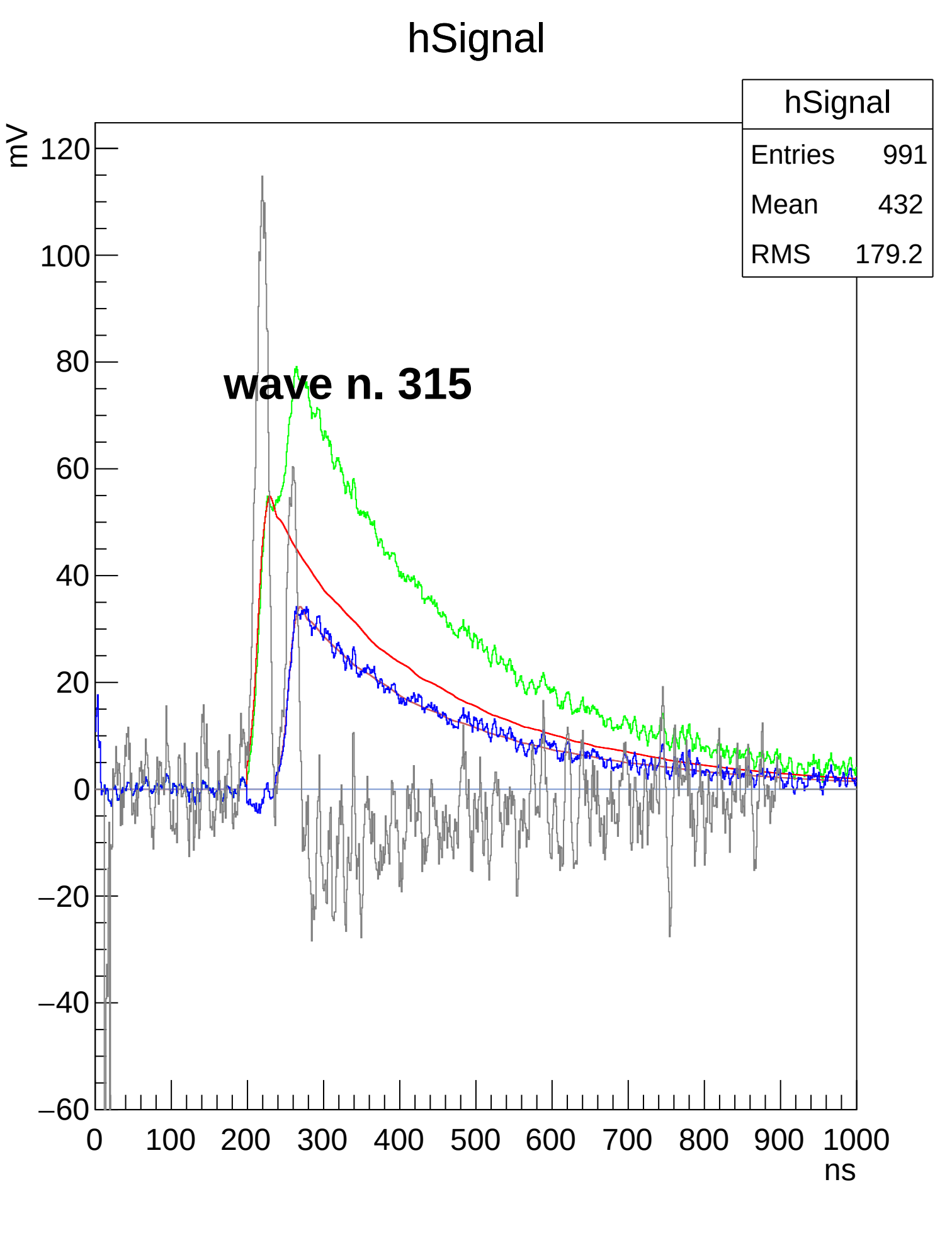

hSignal
hSignal
Entries 991
Mean 523.7
RMS 186.1
wave n. 310
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

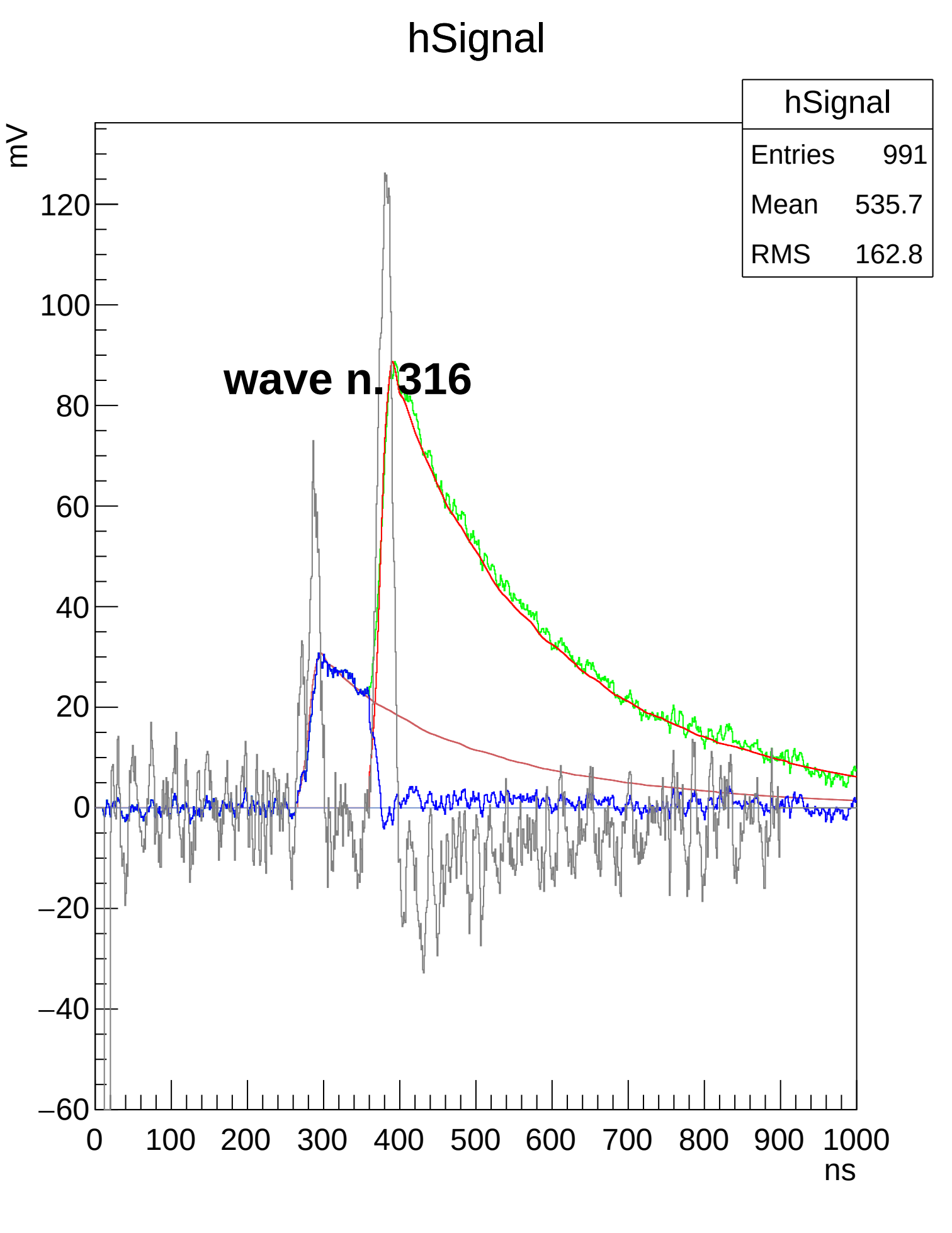

hSignal
hSignal
Entries 991
Mean 531.3
RMS 188.5
wave n. 311
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

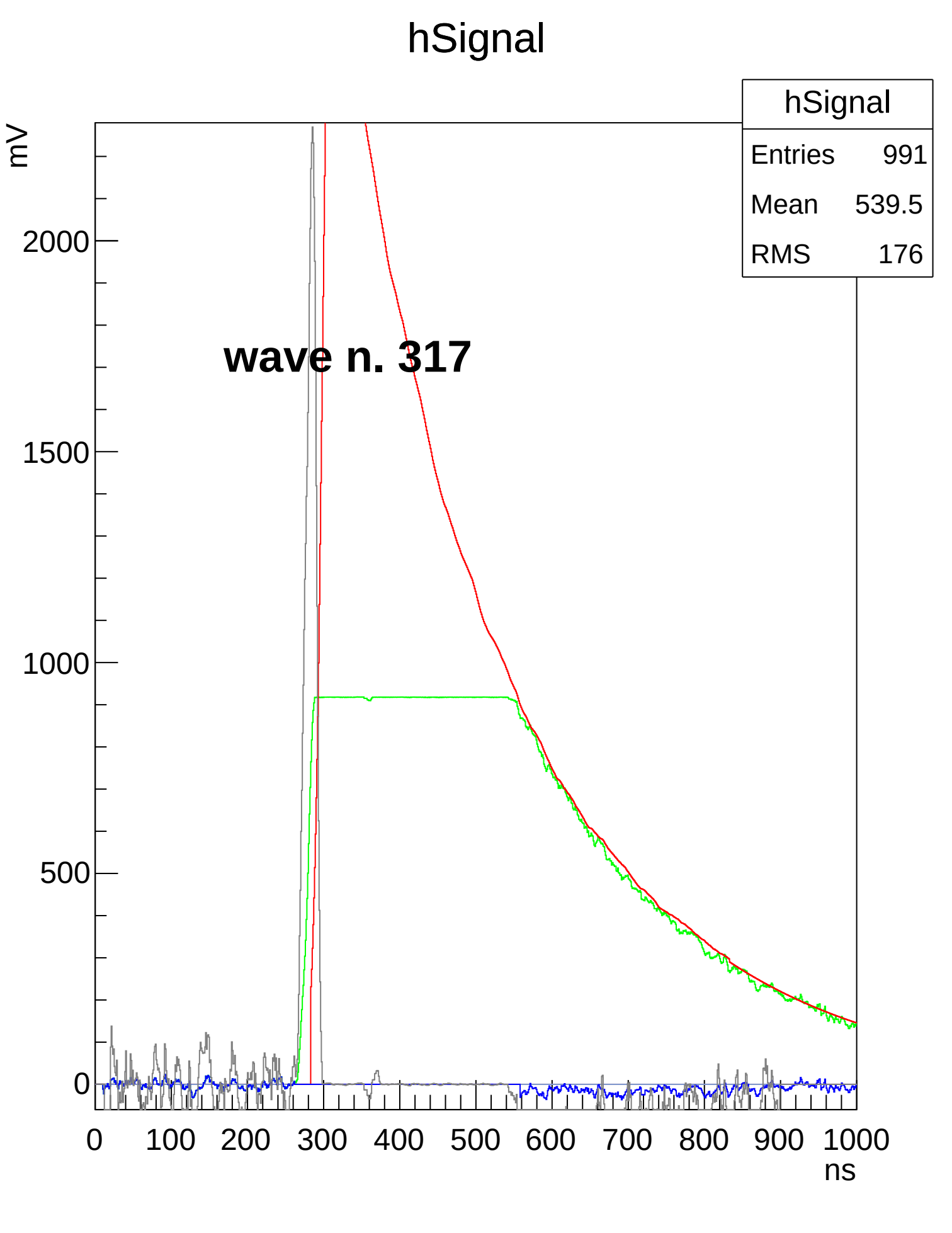

hSignal
hSignal
Entries 991
Mean 433
RMS 177.5
wave n. 312
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

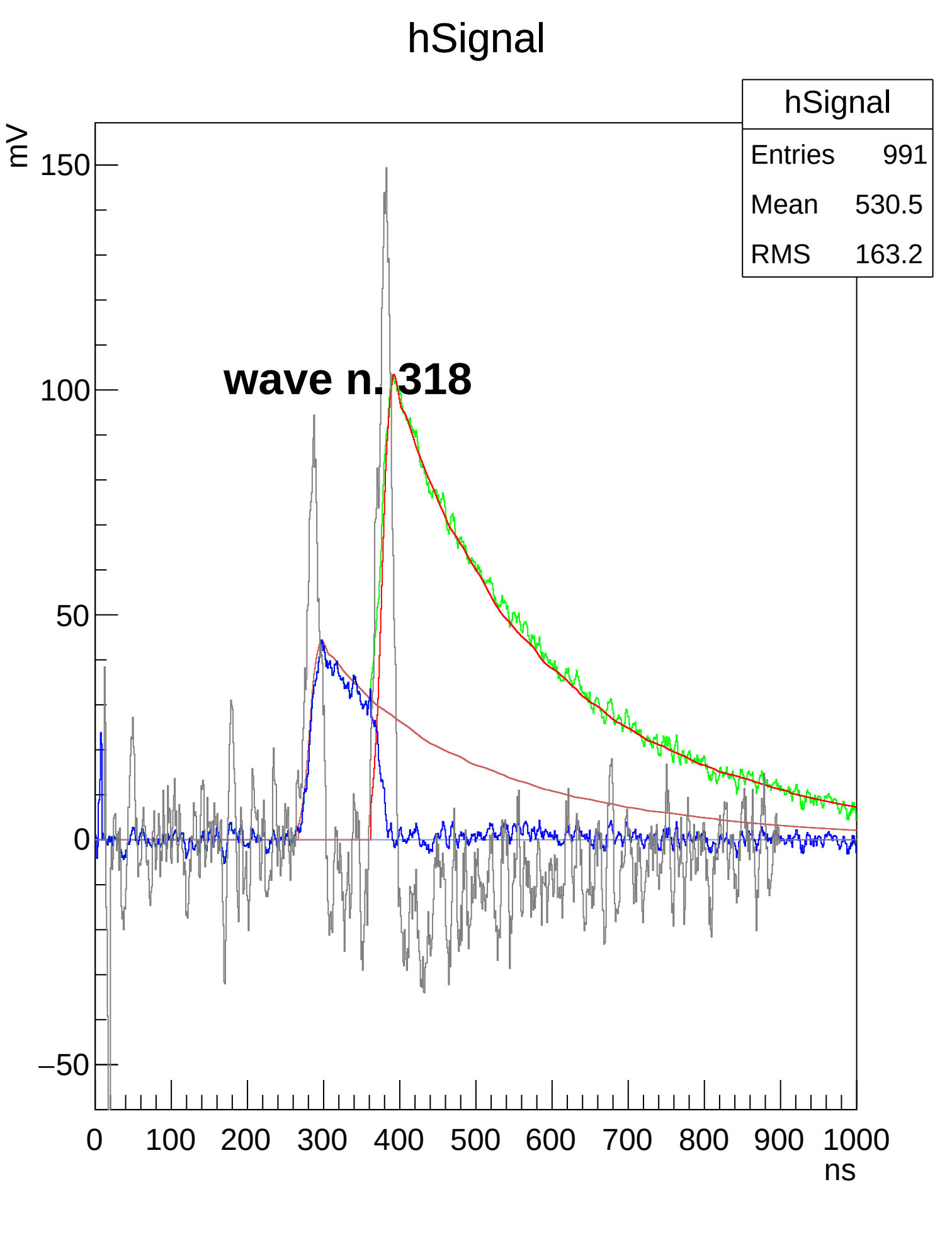

hSignal
hSignal
Entries 991
Mean 431.1
RMS 177.3
wave n. 313
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

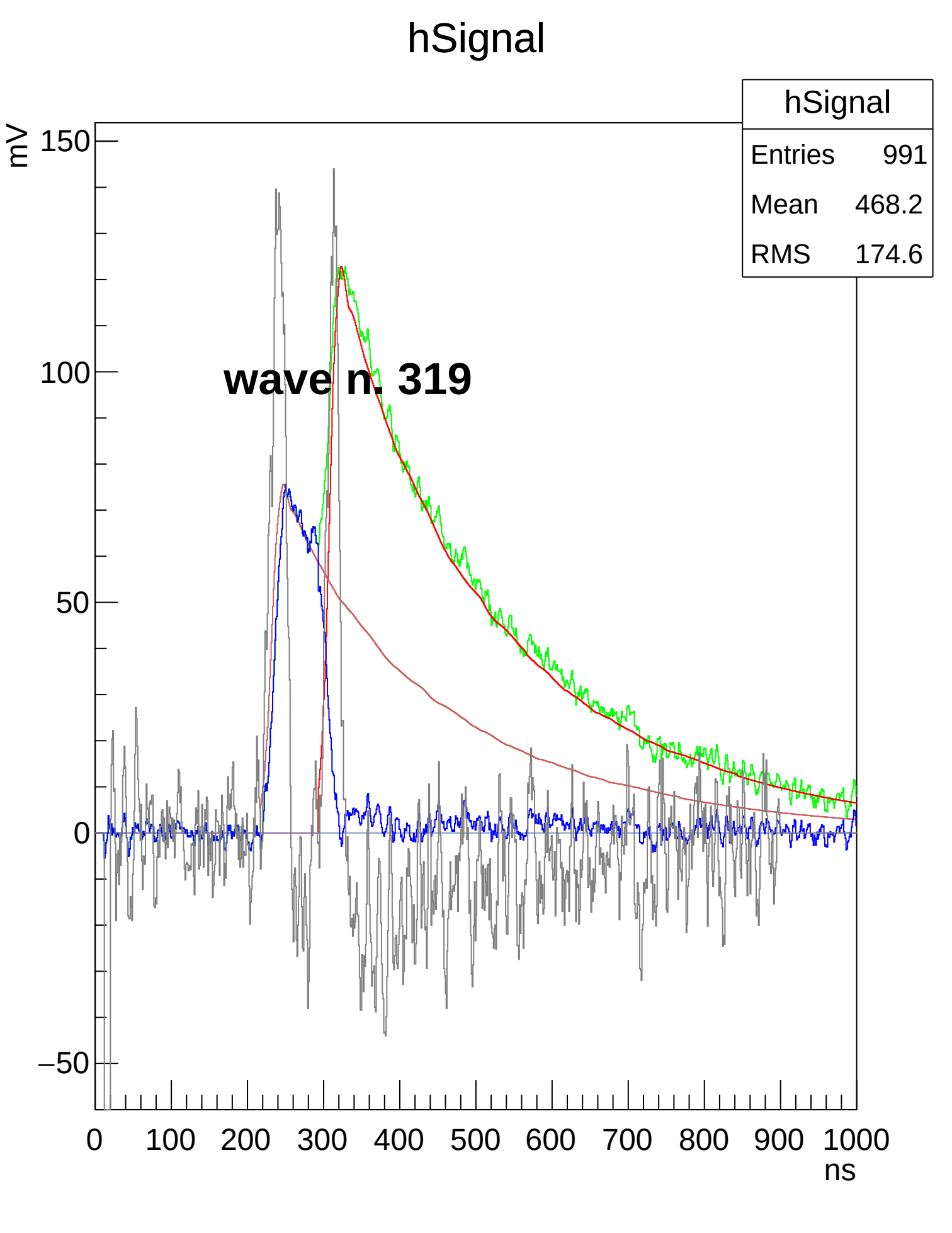

hSignal
hSignal
Entries 991
Mean 464.5
RMS 183.6
wave n. 314
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

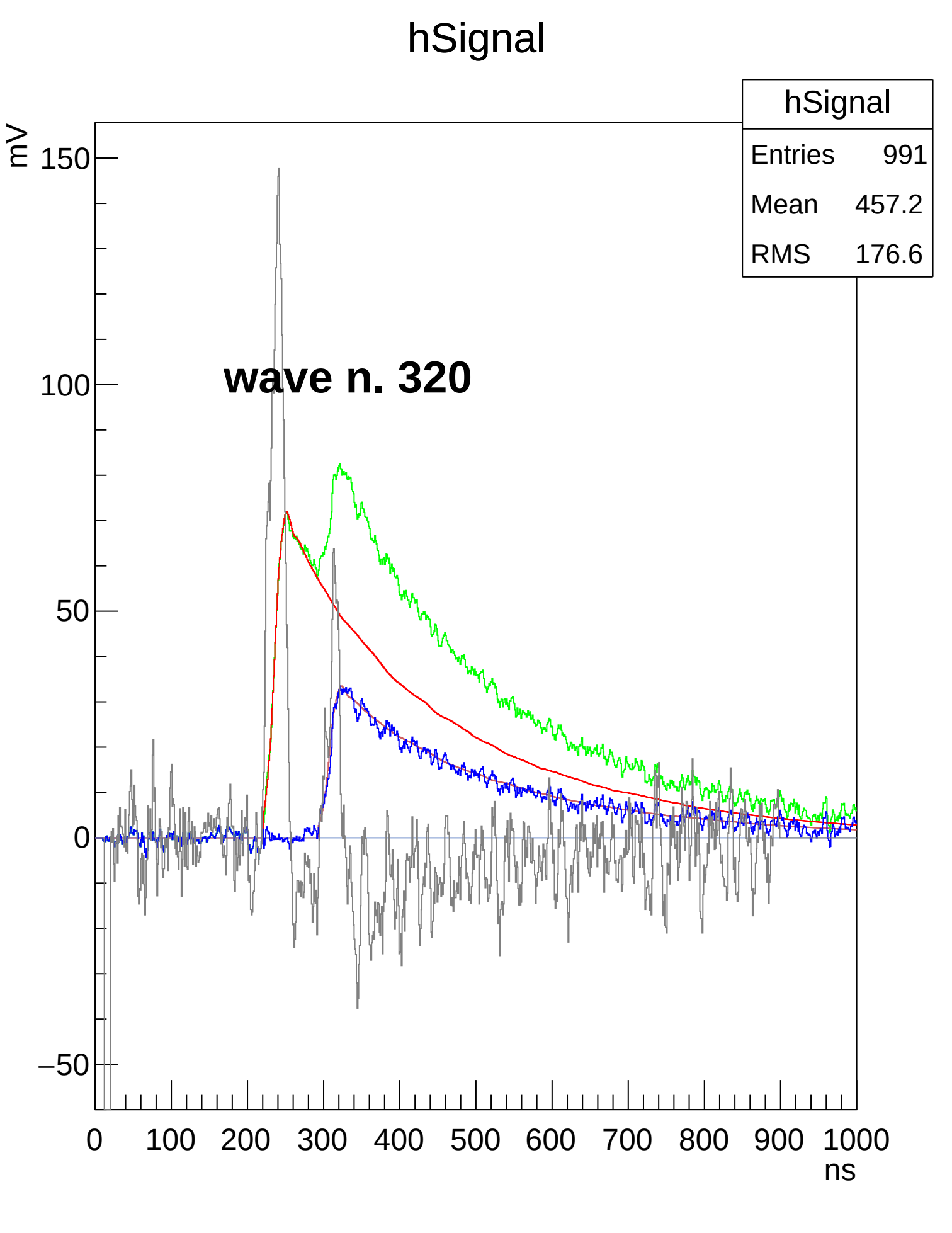

hSignal
hSignal
Entries 991
Mean 432
RMS 179.2
wave n. 315
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

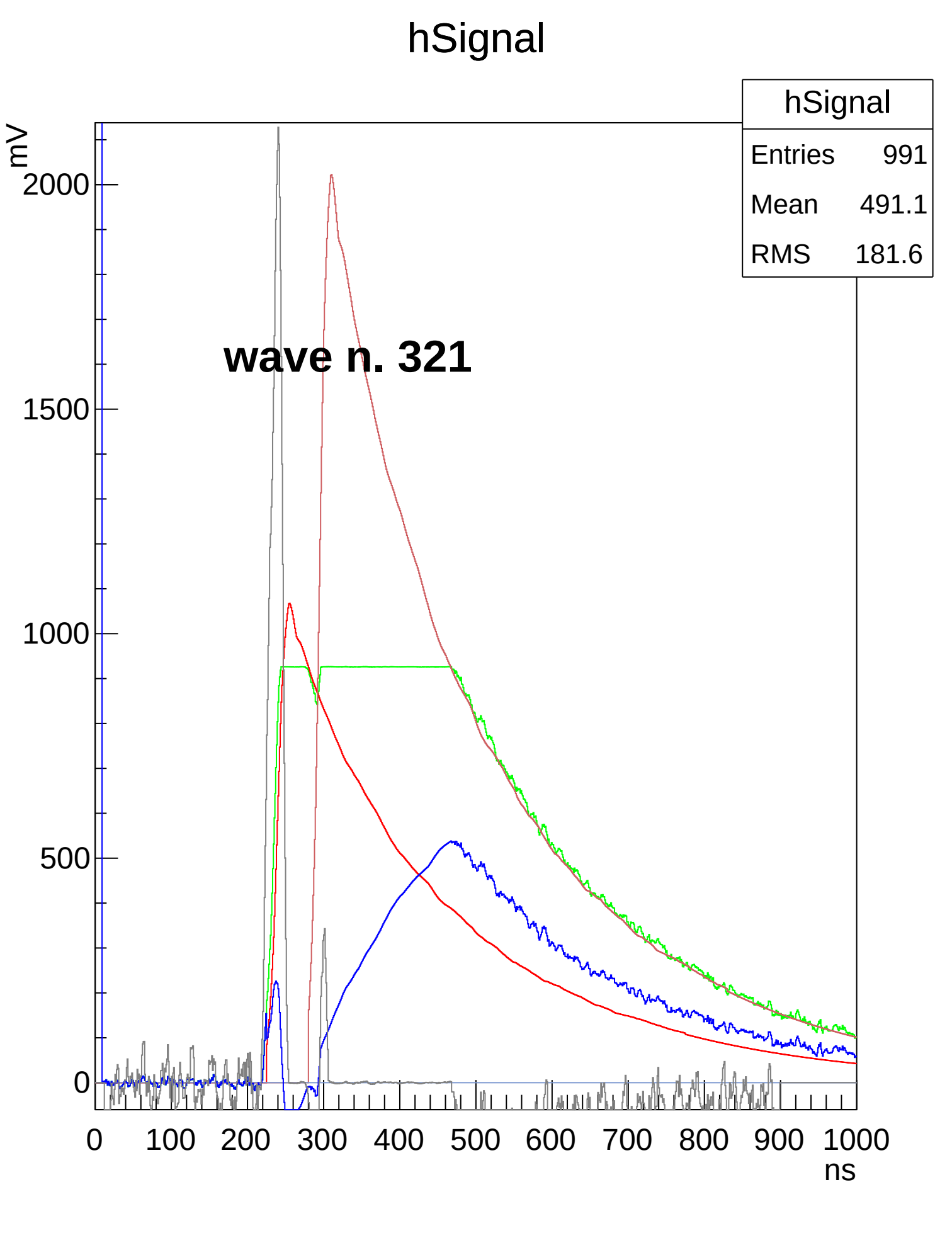

hSignal
hSignal
Entries 991
Mean 535.7
RMS 162.8
wave n. 316
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

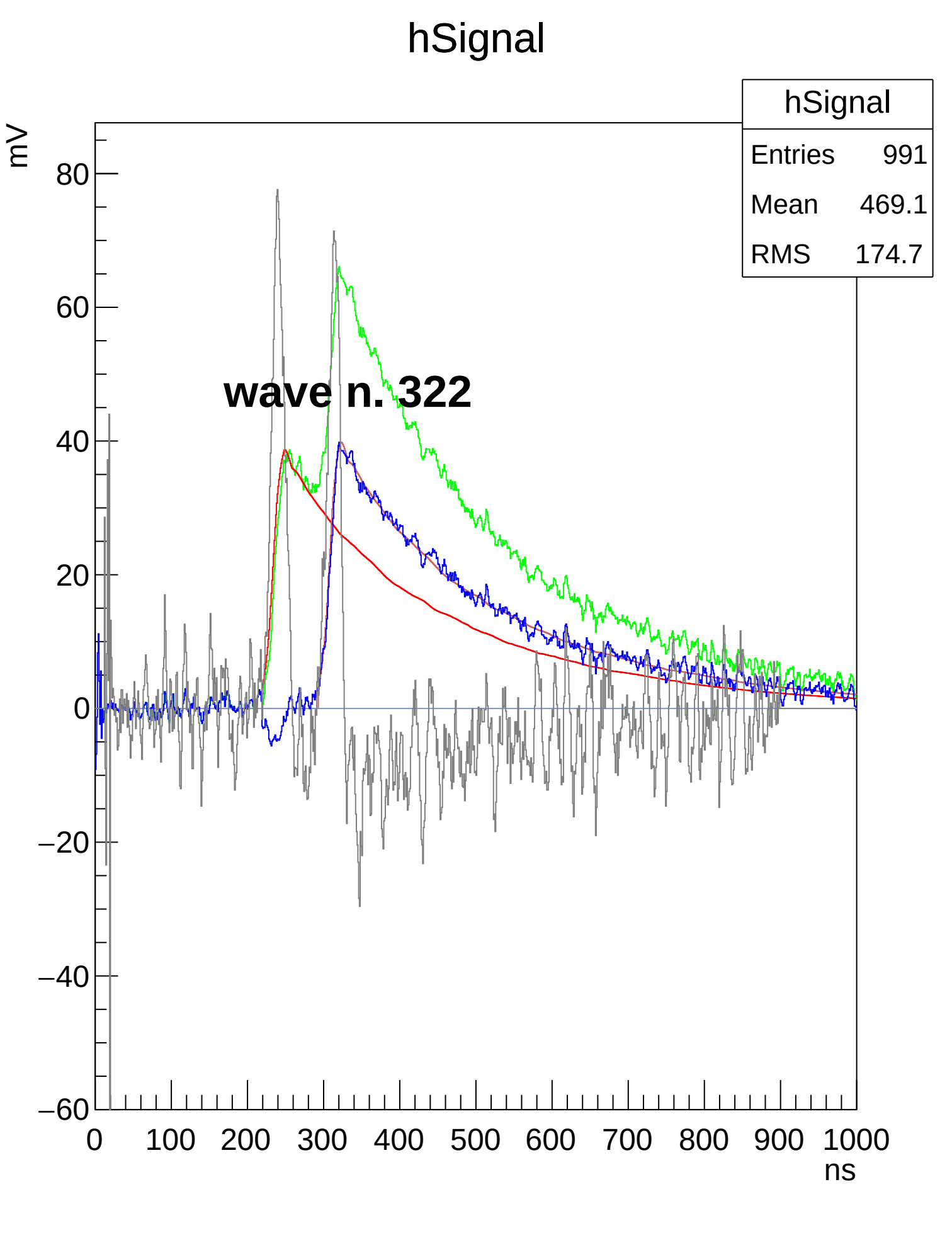

hSignal
hSignal
Entries 991
Mean 539.5
RMS 176
wave n. 317
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

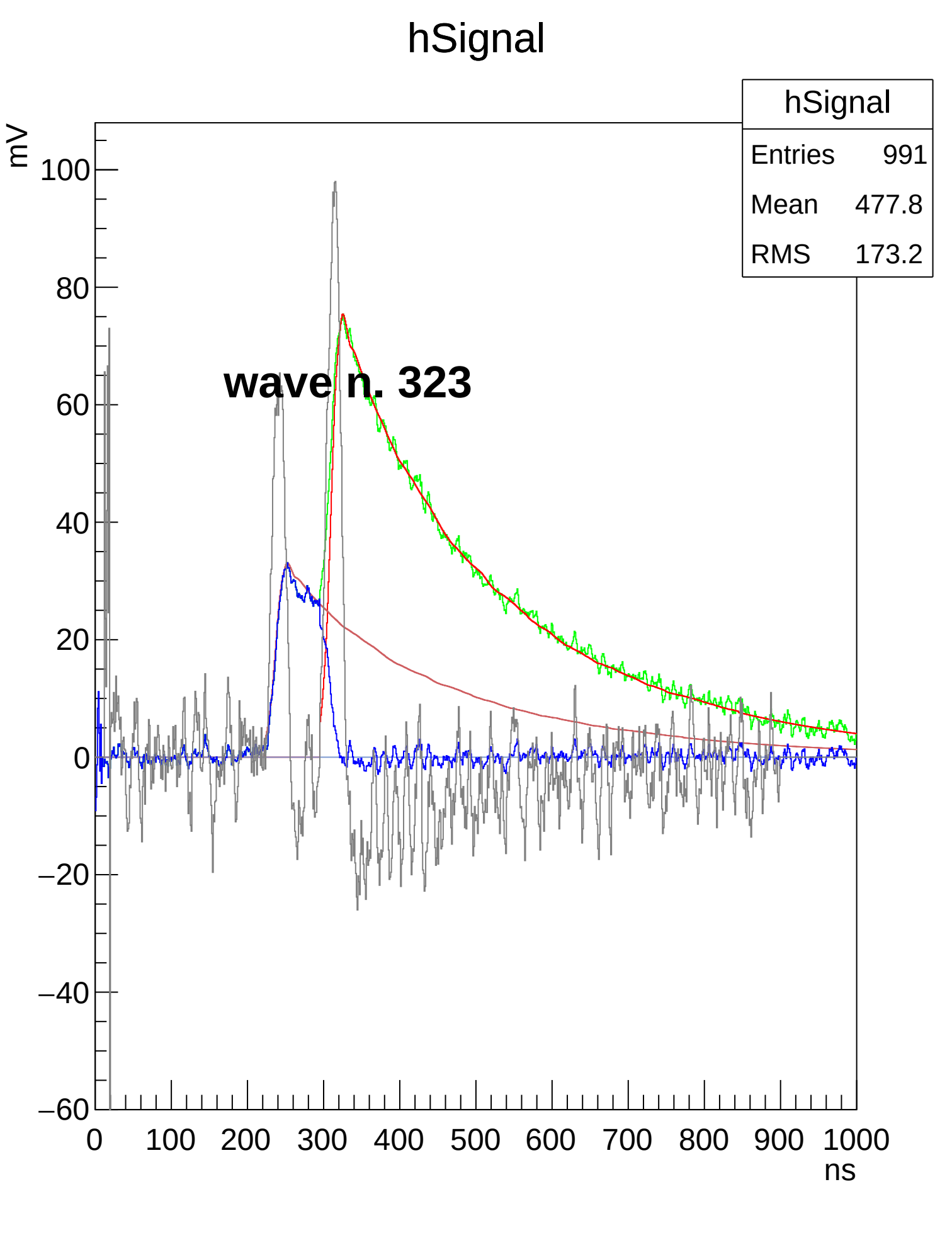

hSignal
hSignal
Entries 991
Mean 530.5
RMS 163.2
wave n. 318
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

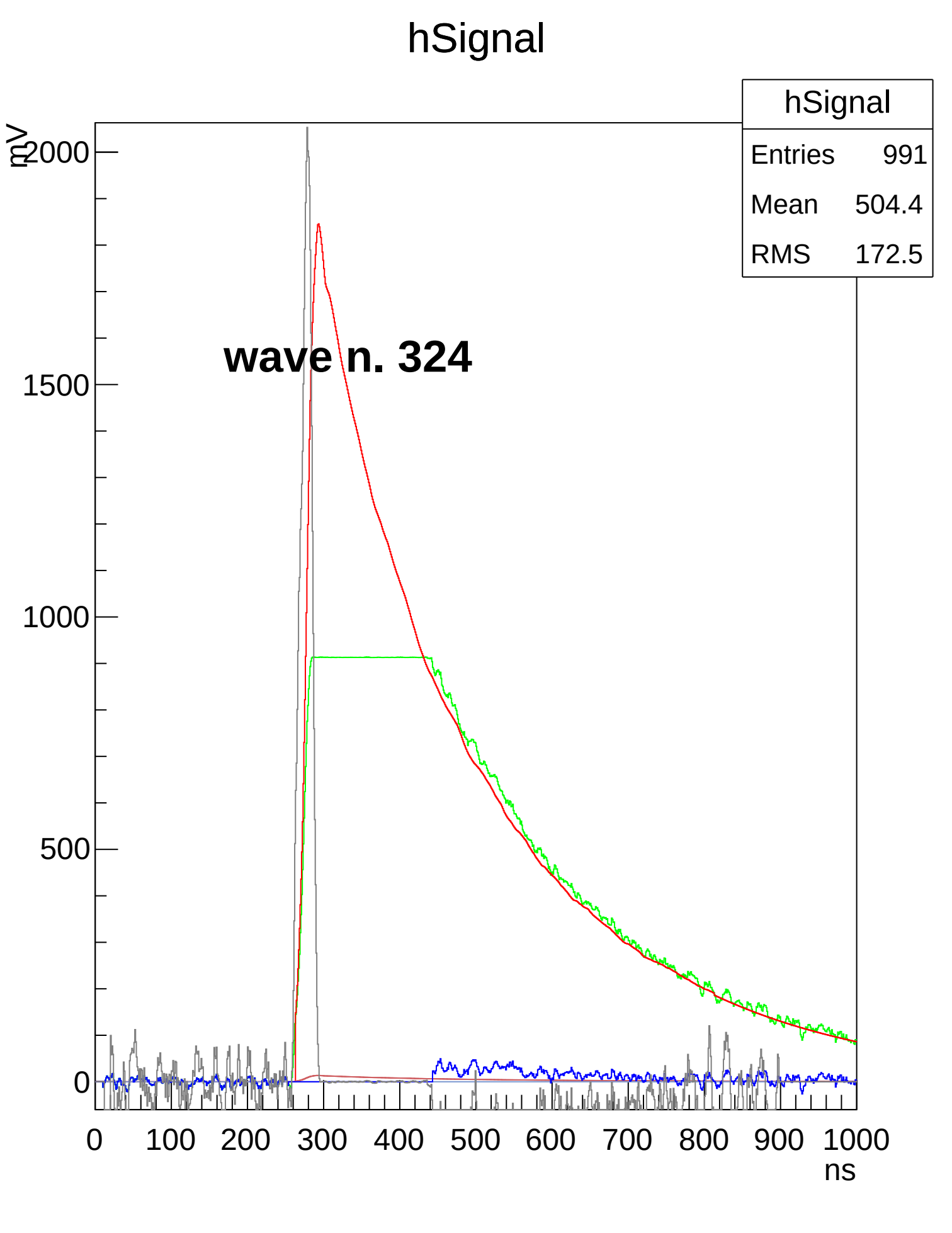

hSignal
hSignal
Entries 991
Mean 468.2
RMS 174.6
wave n. 319
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

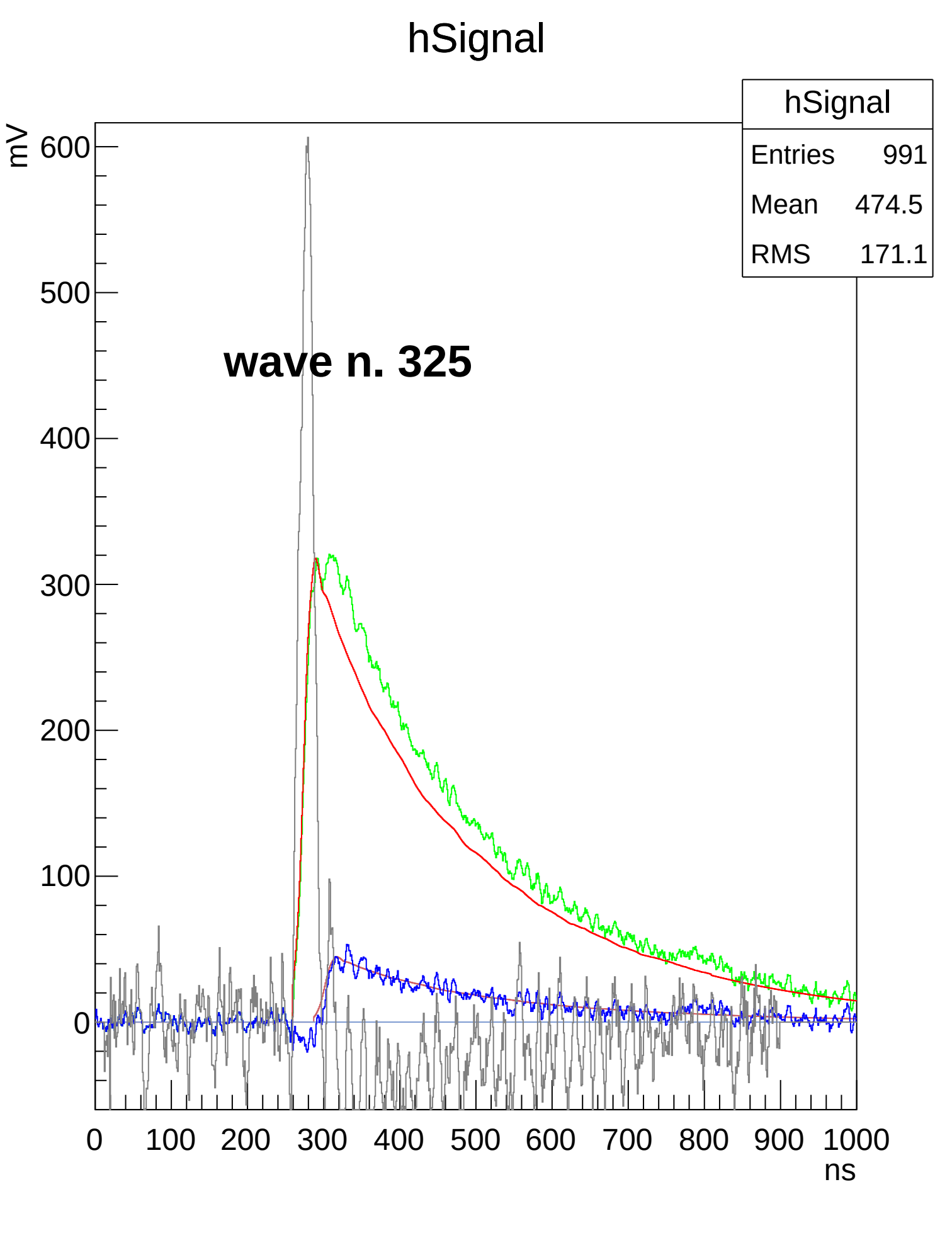

hSignal
hSignal
Entries 991
Mean 457.2
RMS 176.6
wave n. 320
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

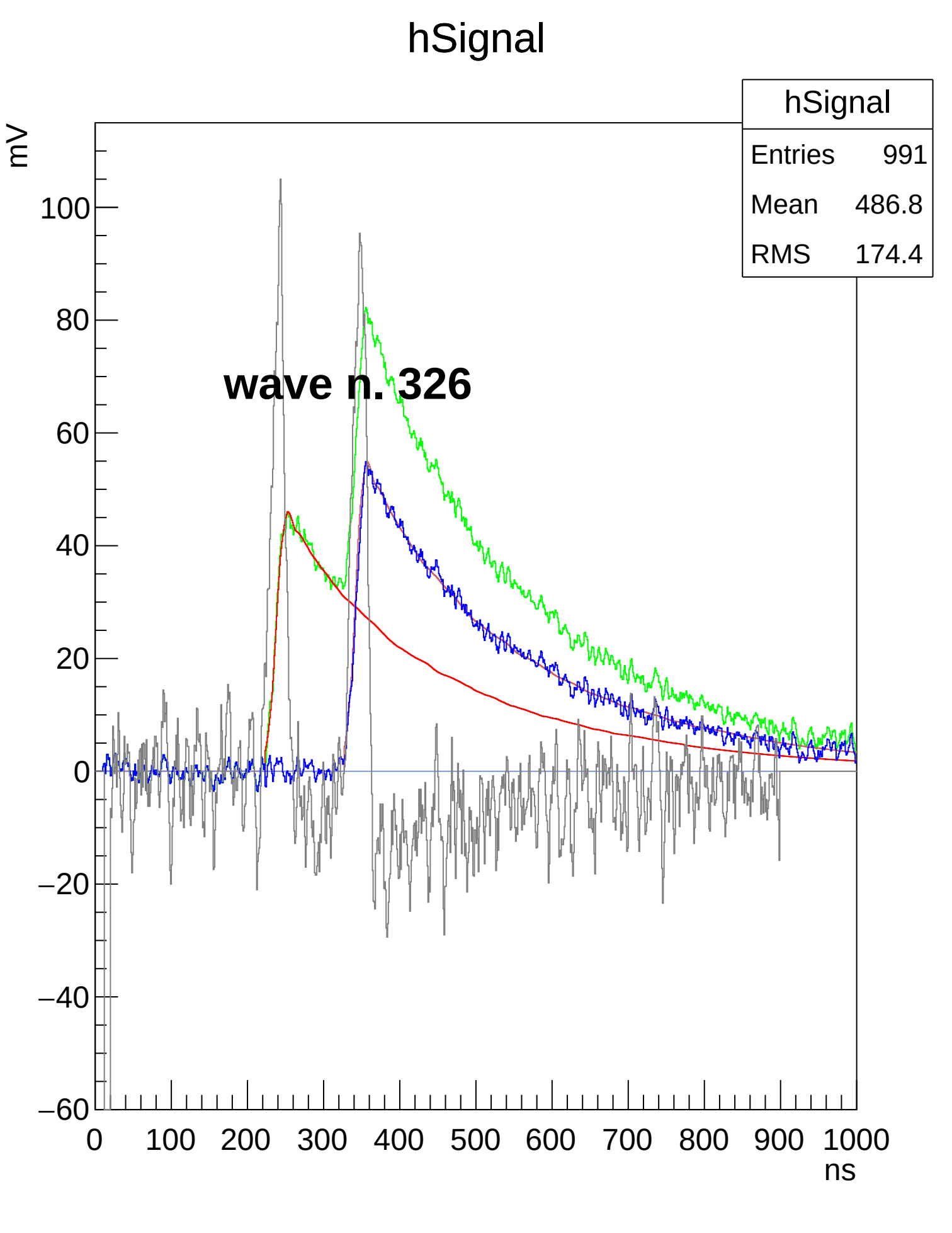

hSignal
hSignal
Entries 991
Mean 491.1
RMS 181.6
wave n. 321
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

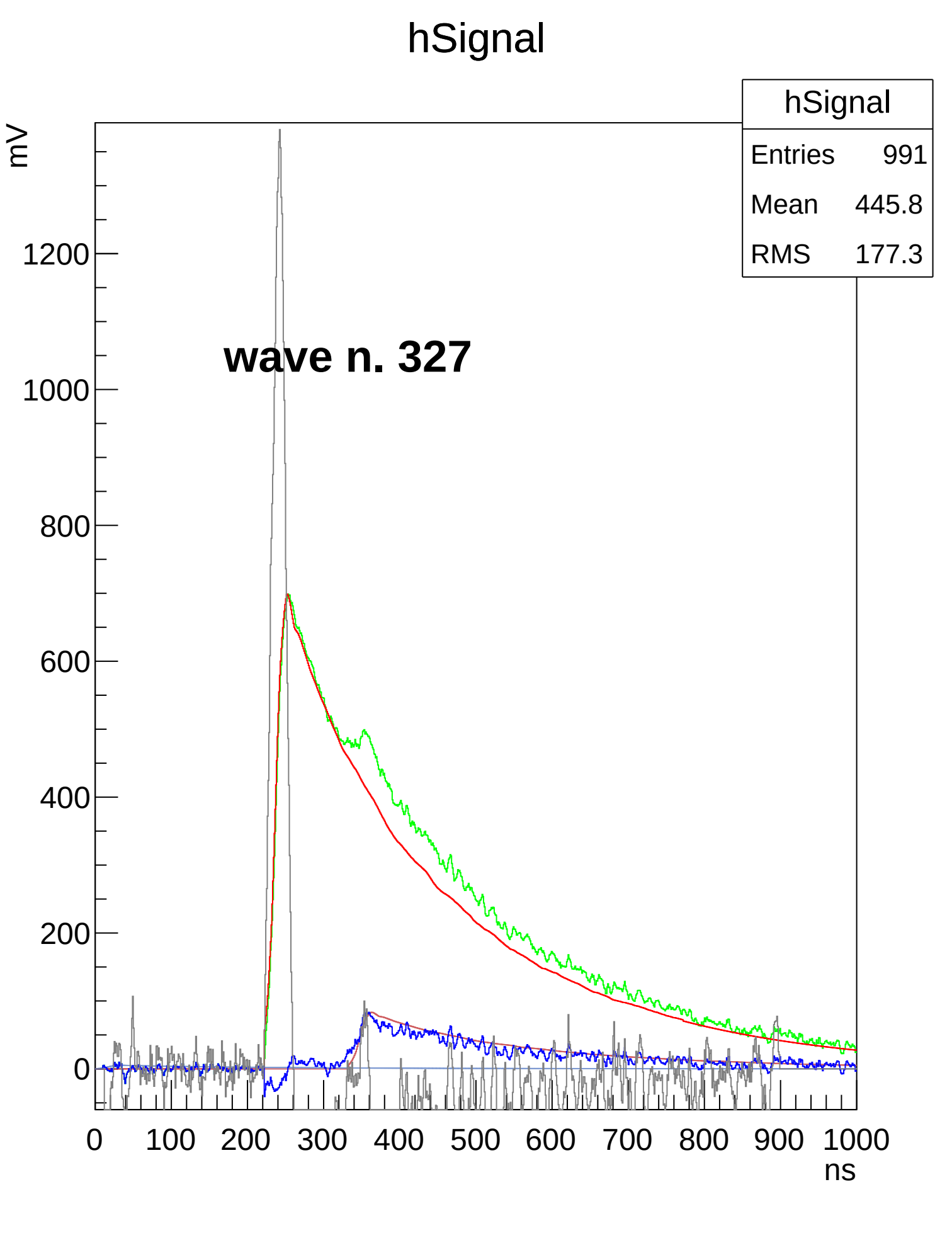

hSignal
hSignal
Entries 991
Mean 469.1
RMS 174.7
wave n. 322
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

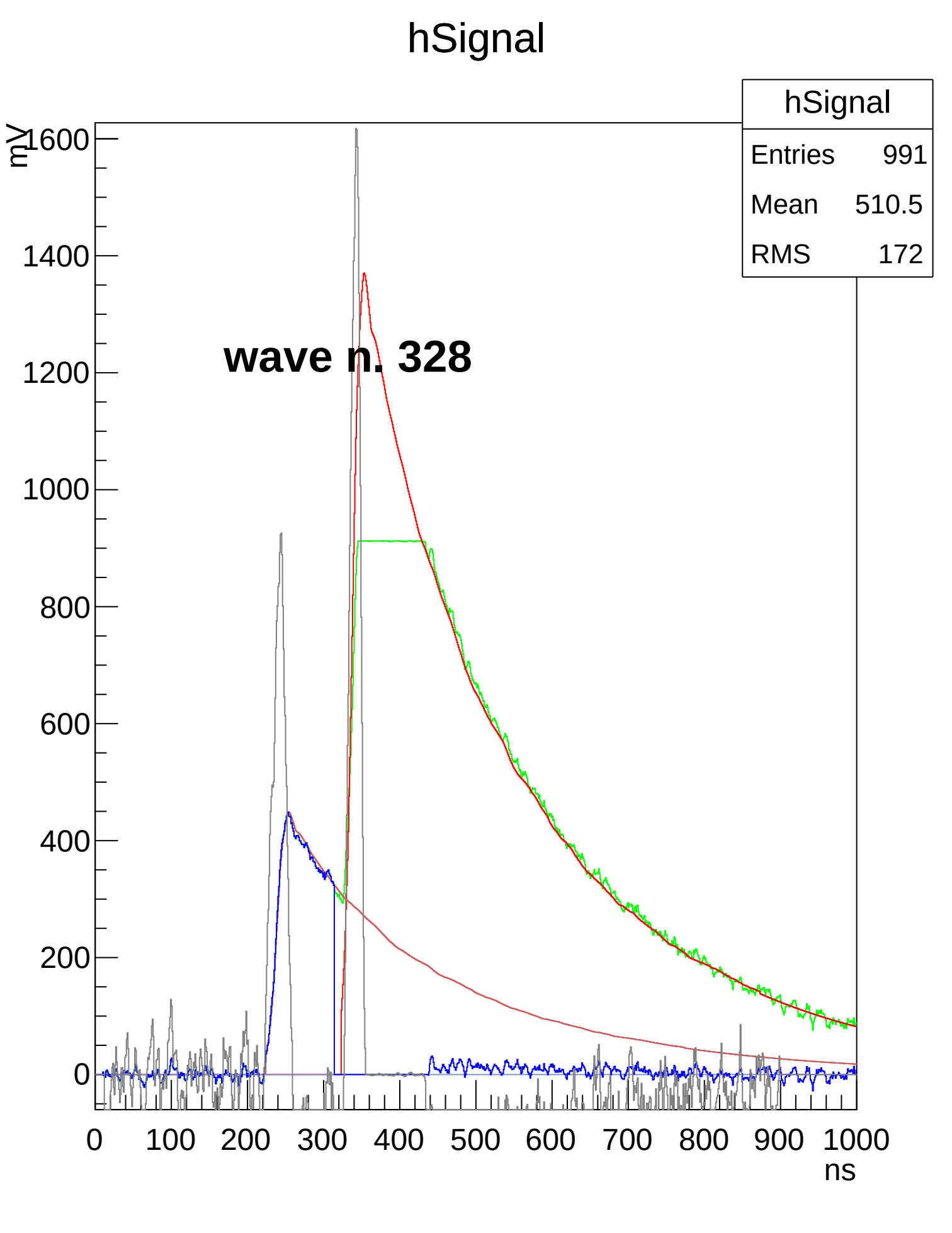

hSignal
hSignal
Entries 991
Mean 477.8
RMS 173.2
wave n. 323
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

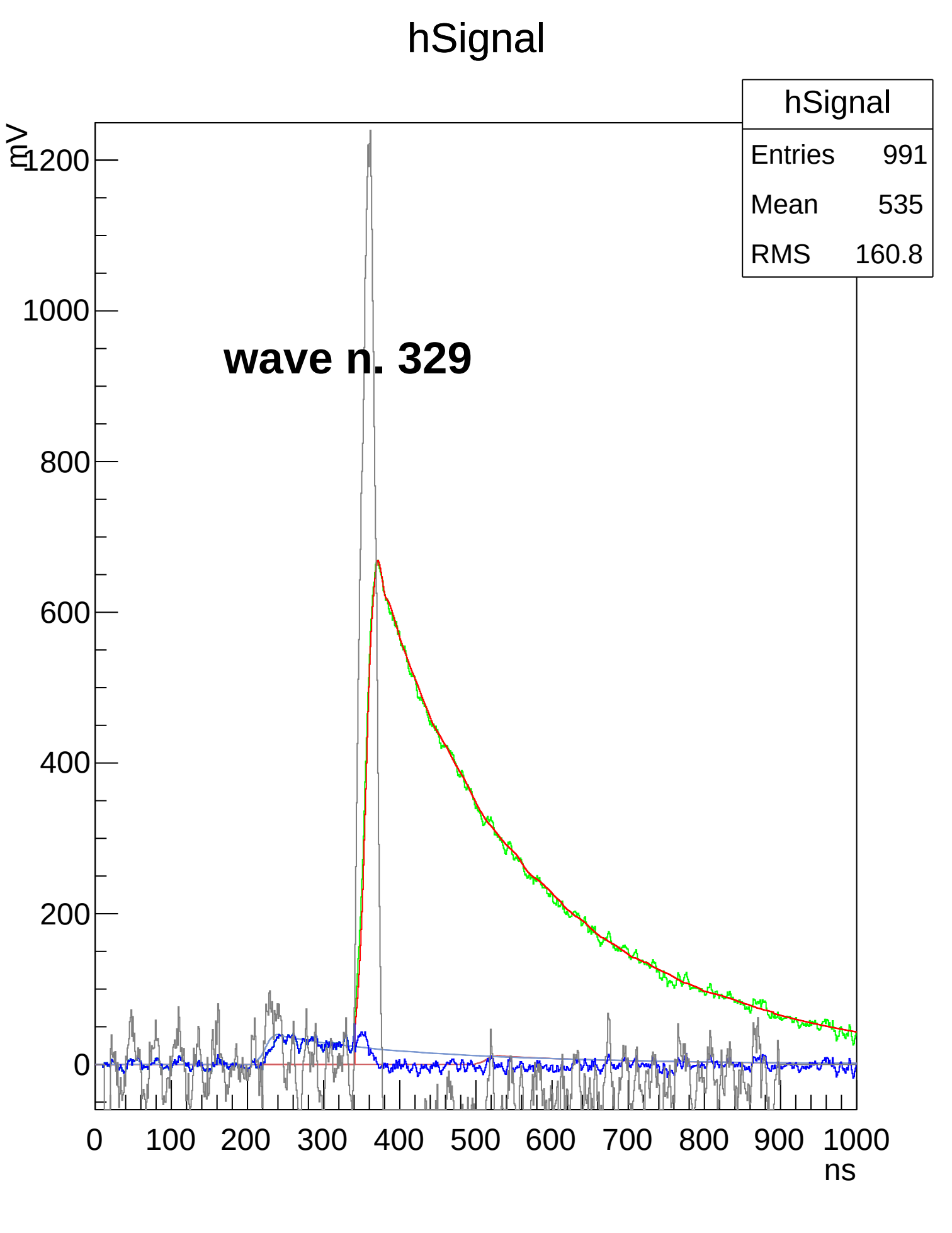

hSignal
hSignal
Entries 991
Mean 504.4
RMS 172.5
wave n. 324
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

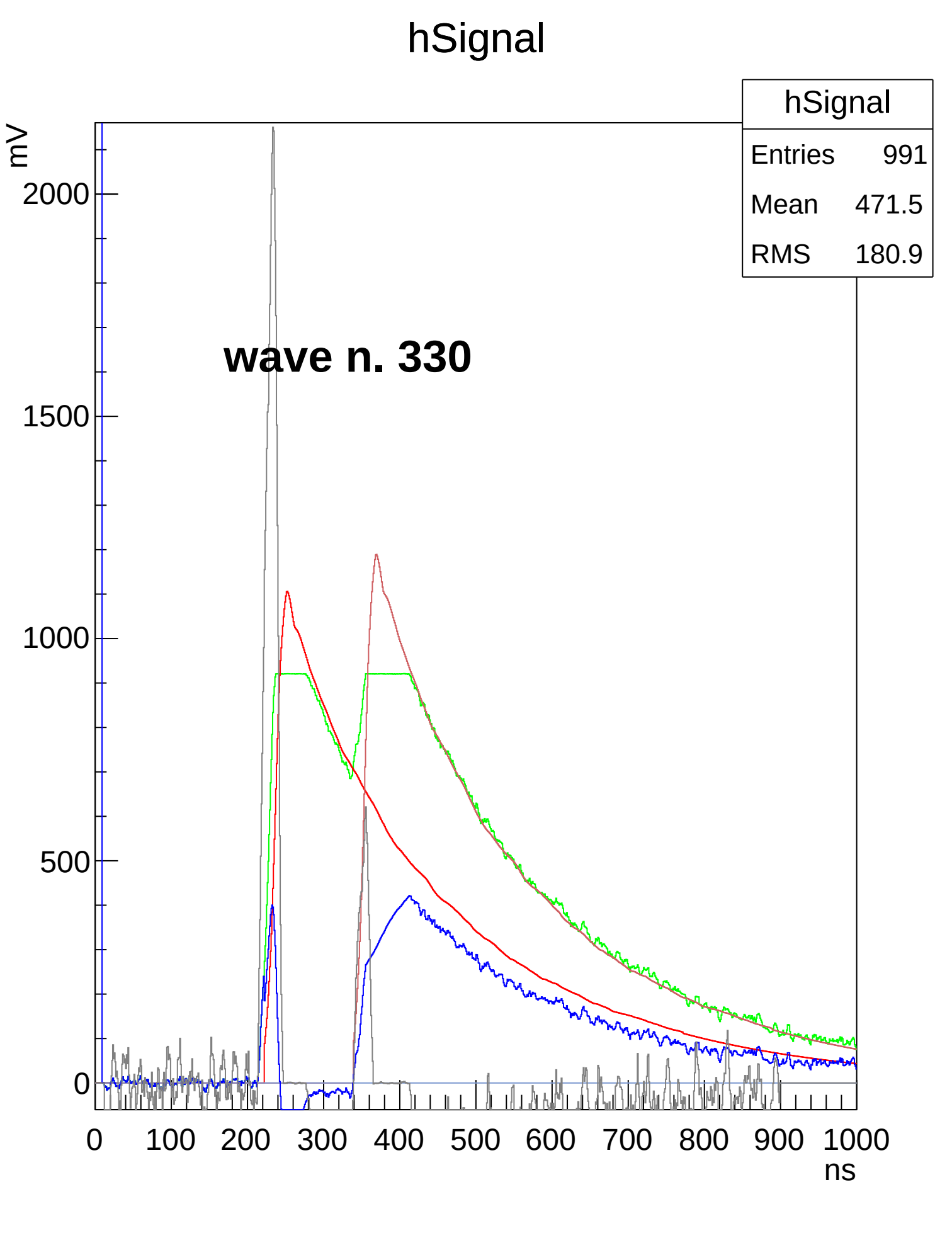

hSignal
hSignal
Entries 991
Mean 474.5
RMS 171.1
wave n. 325
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

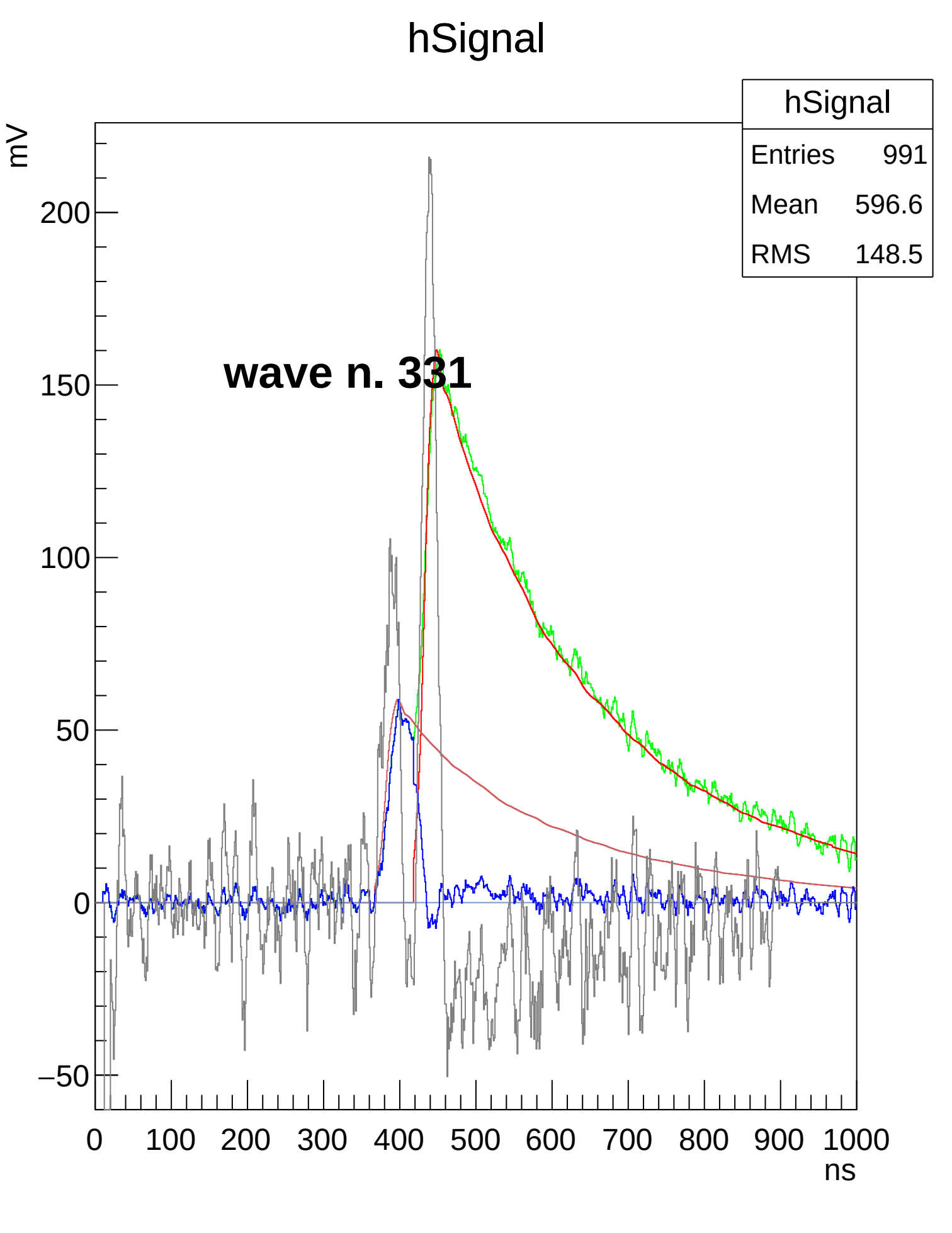

hSignal
hSignal
Entries 991
Mean 486.8
RMS 174.4
wave n. 326
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

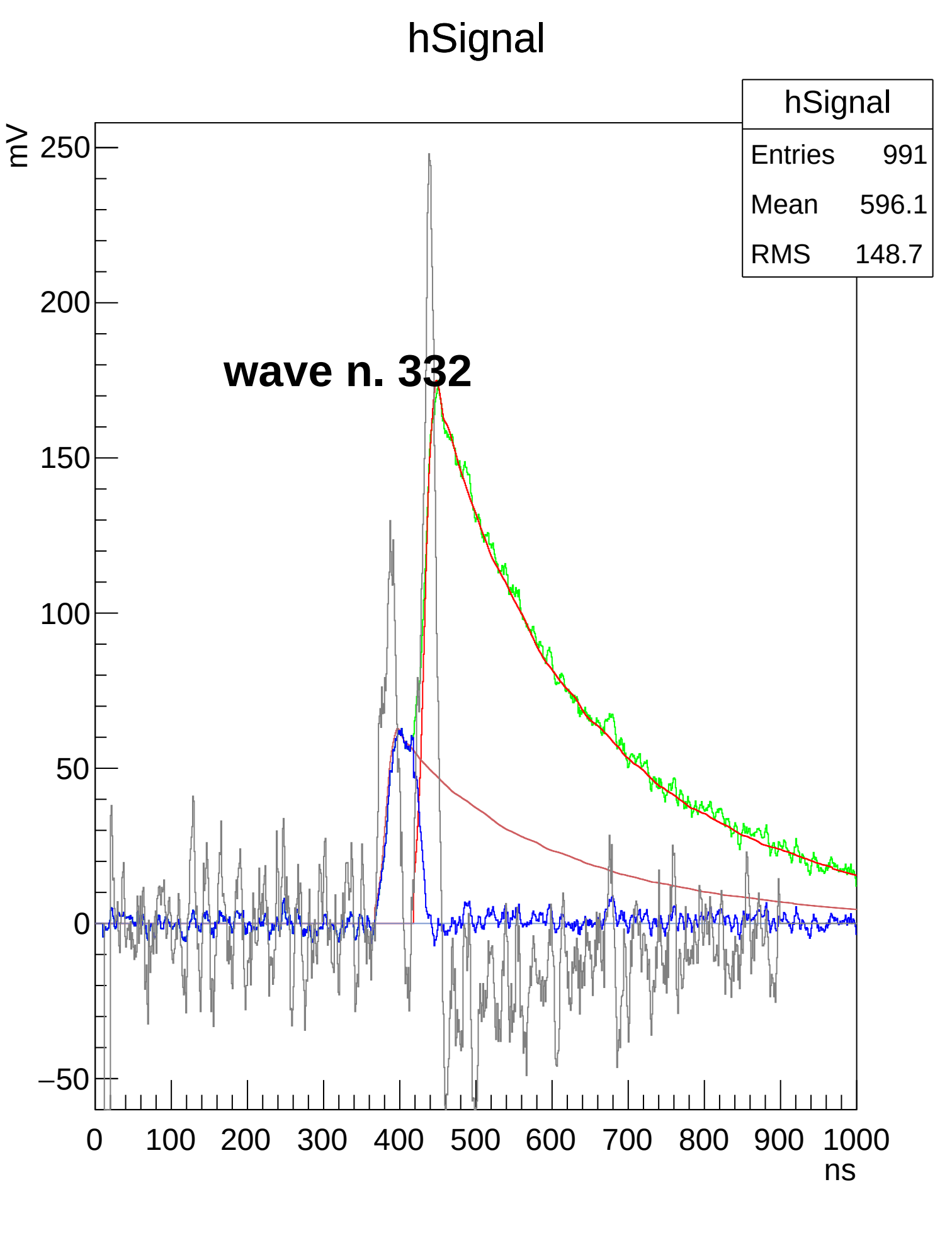

hSignal
hSignal
Entries 991
Mean 445.8
RMS 177.3
wave n. 327
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

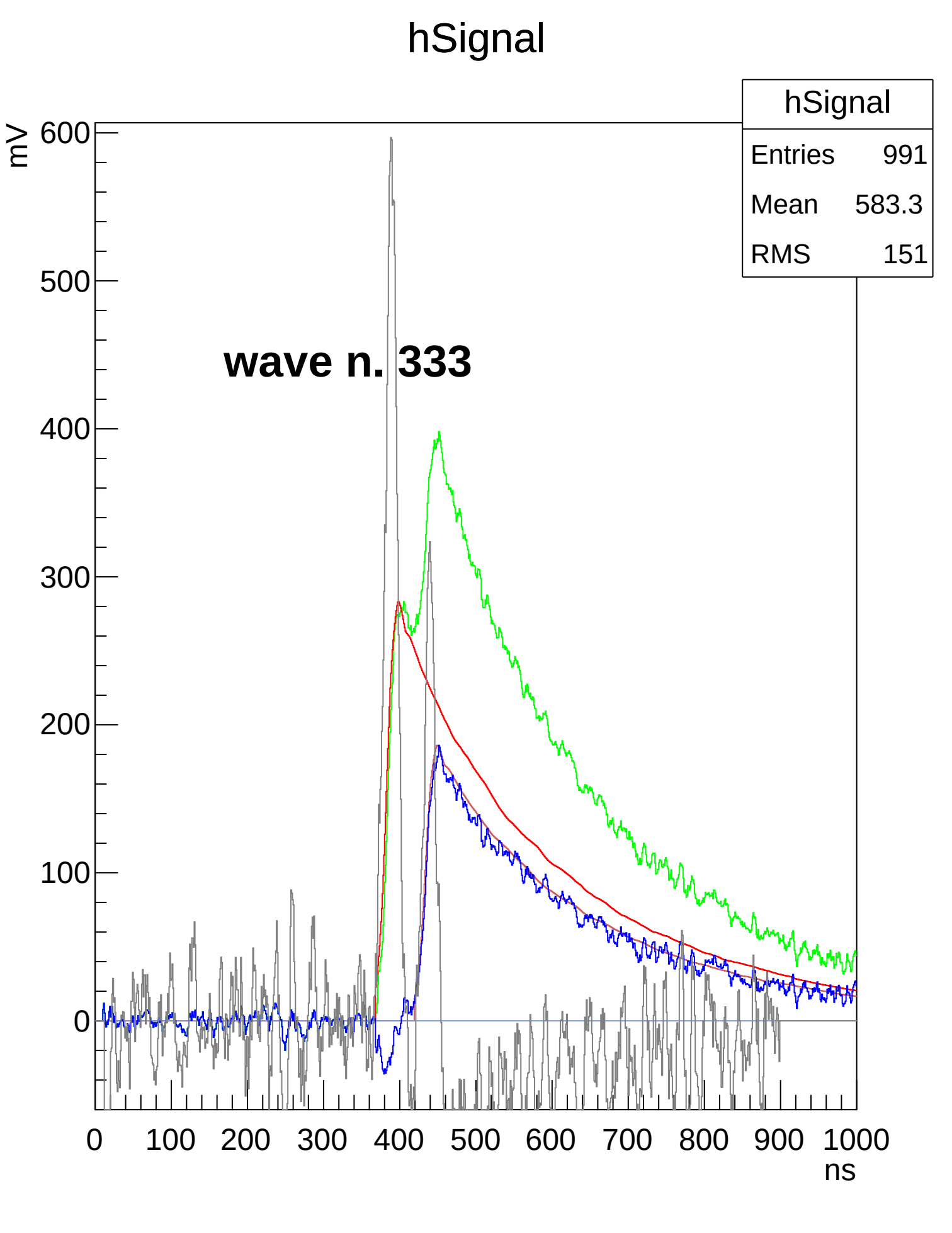

hSignal
hSignal
Entries 991
Mean 510.5
RMS 172
wave n. 328
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

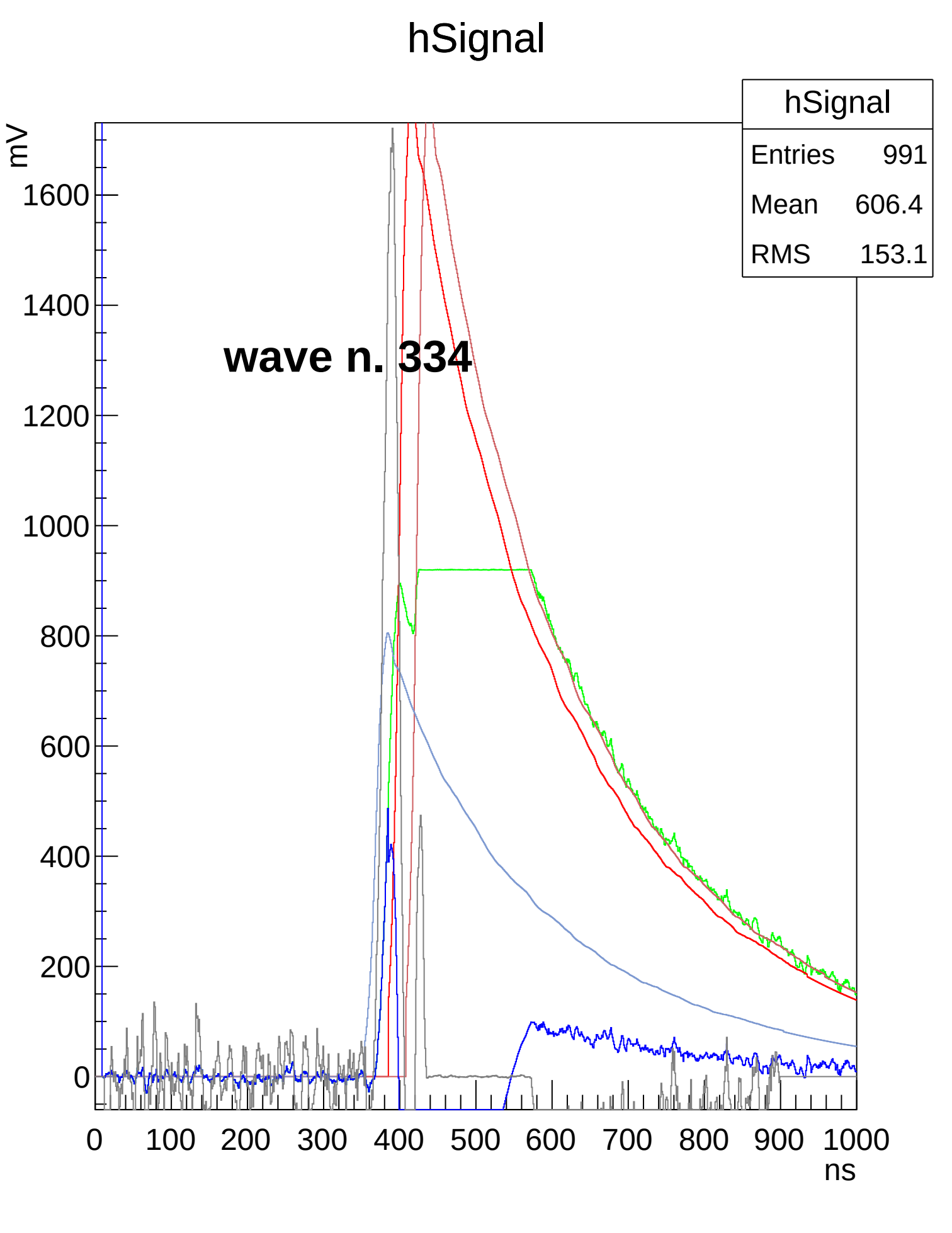

hSignal
hSignal
Entries 991
Mean 535
RMS 160.8
wave n. 329
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

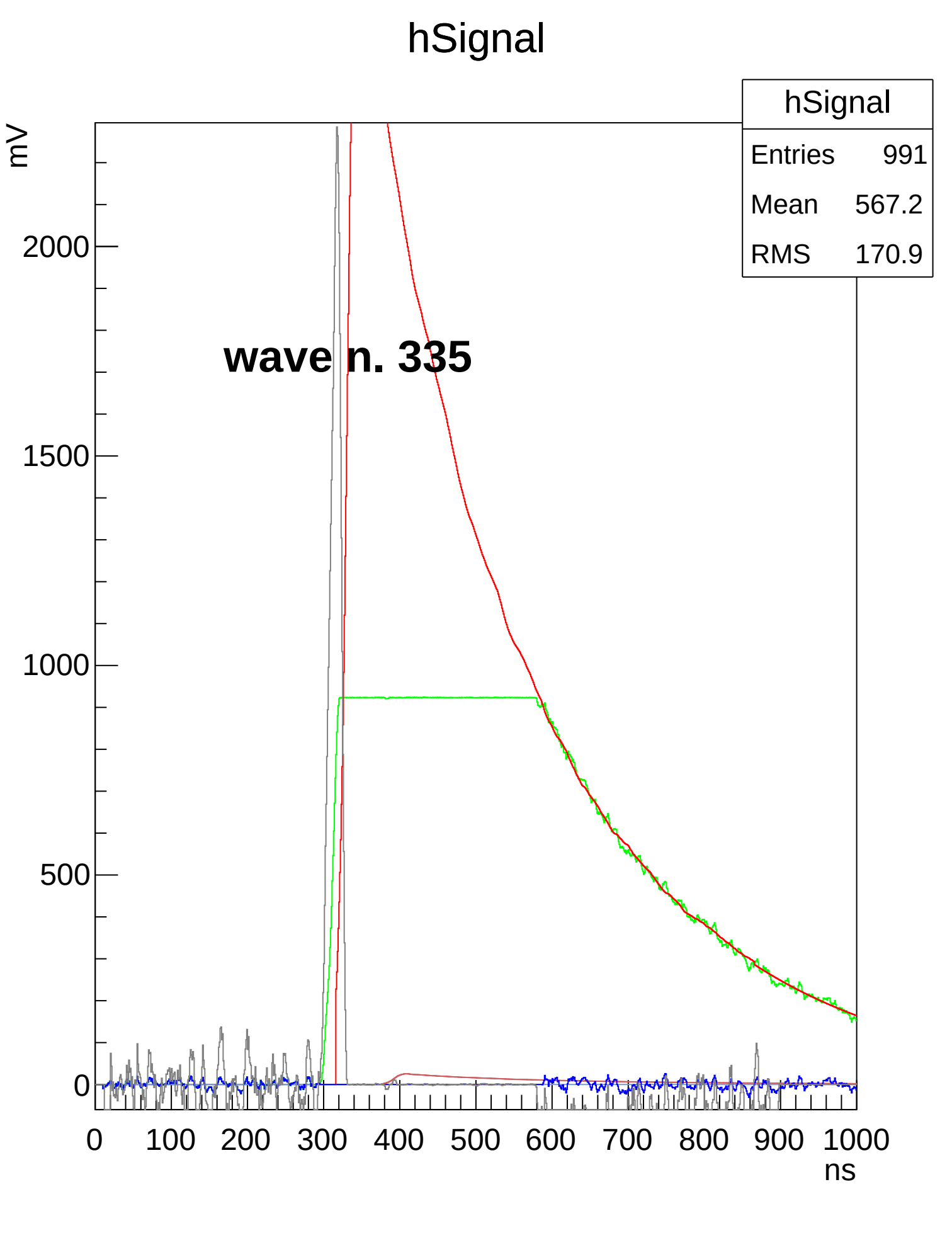

hSignal
hSignal
Entries 991
Mean 471.5
RMS 180.9
wave n. 330
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

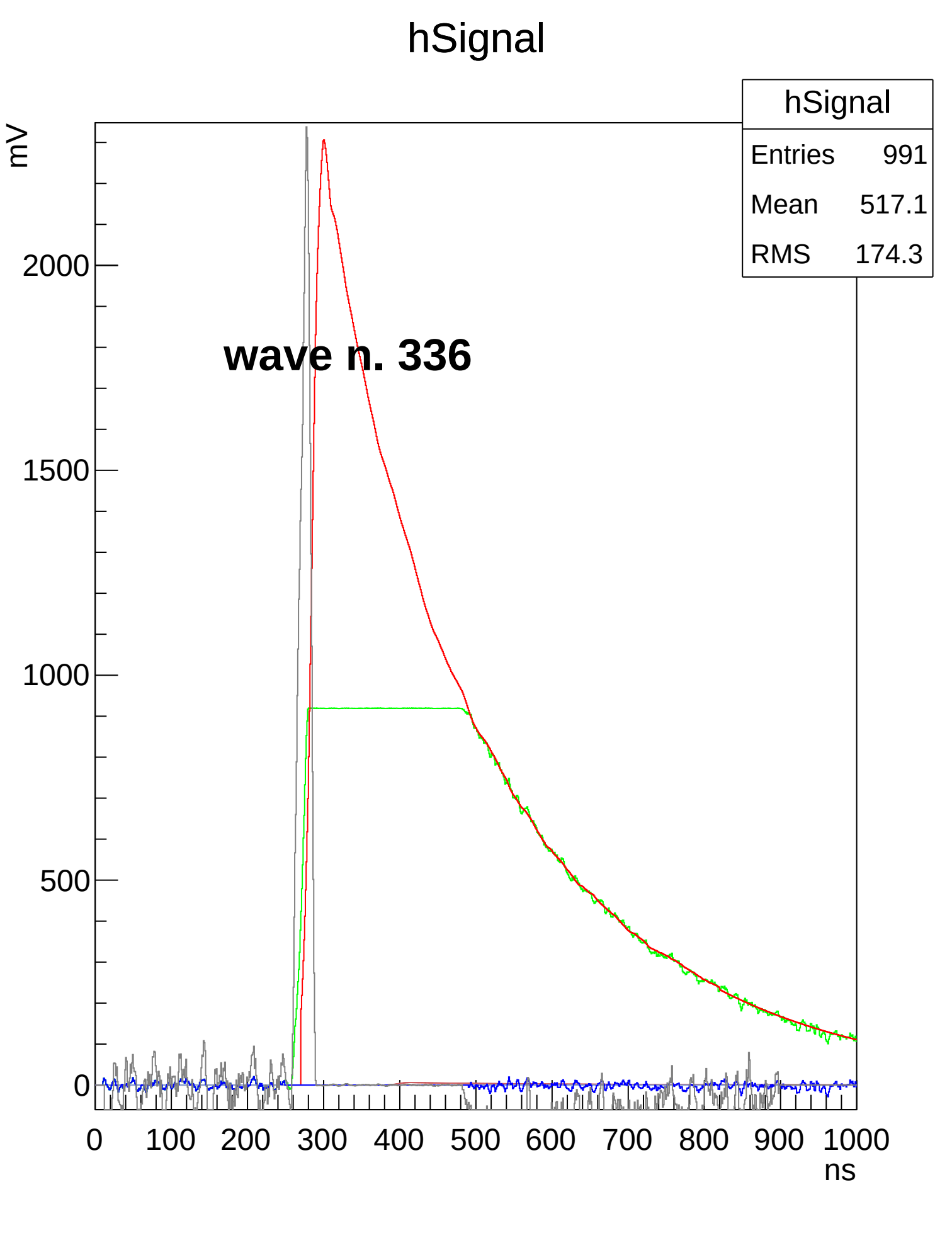

hSignal
hSignal
Entries 991
Mean 596.6
RMS 148.5
wave n. 331
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

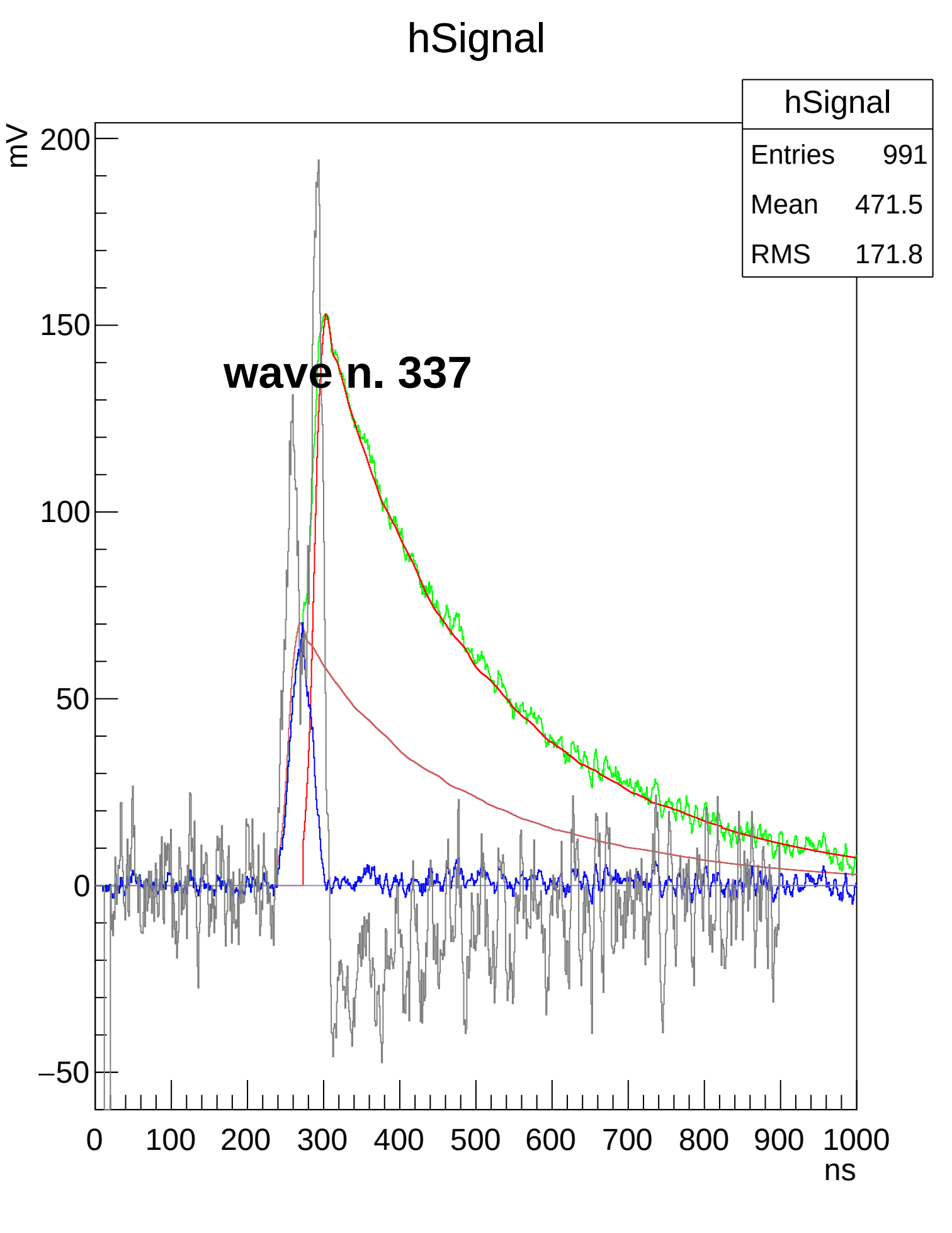

hSignal
hSignal
Entries 991
Mean 596.1
RMS 148.7
wave n. 332
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

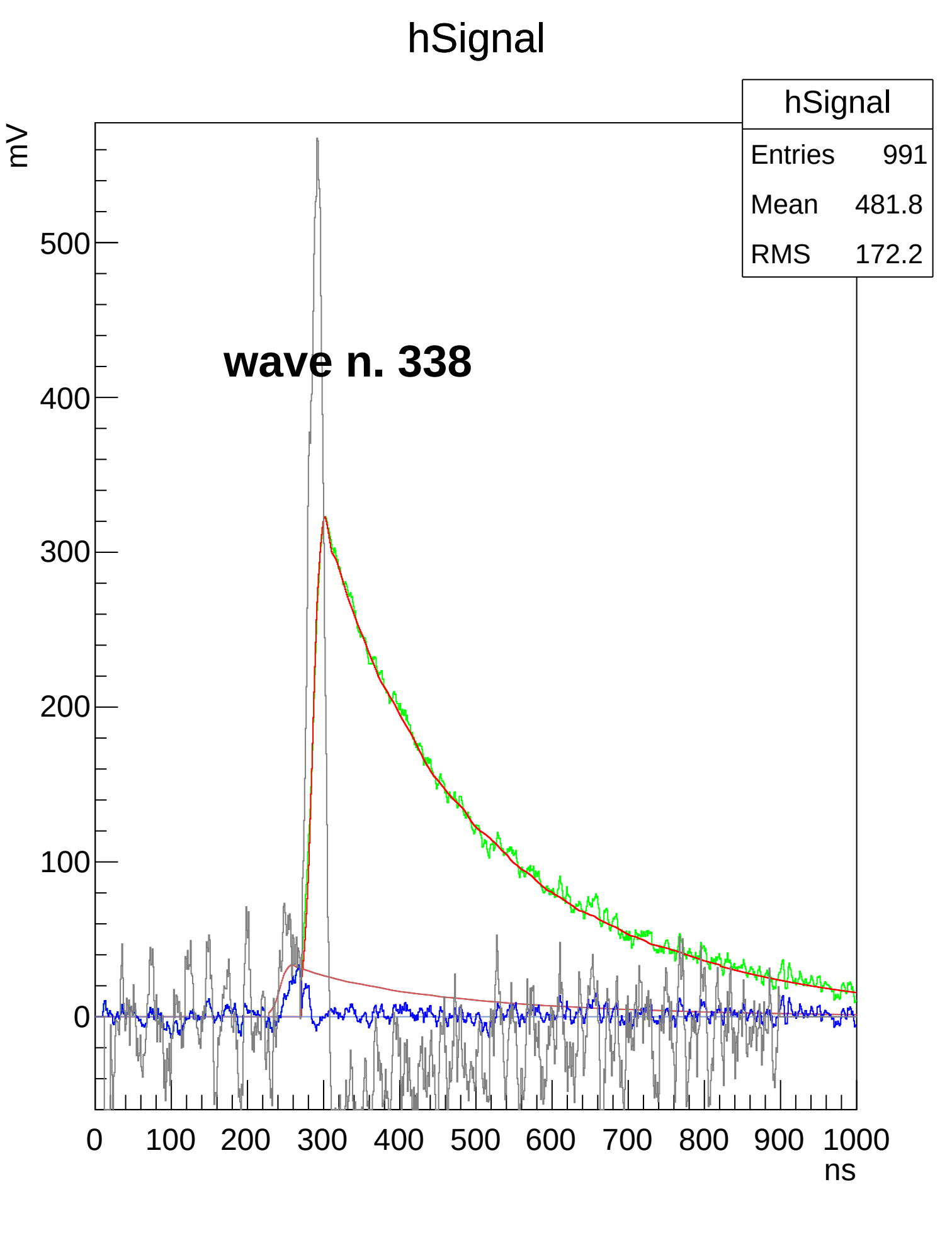

hSignal
hSignal
Entries 991
Mean 583.3
RMS 151
wave n. 333
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

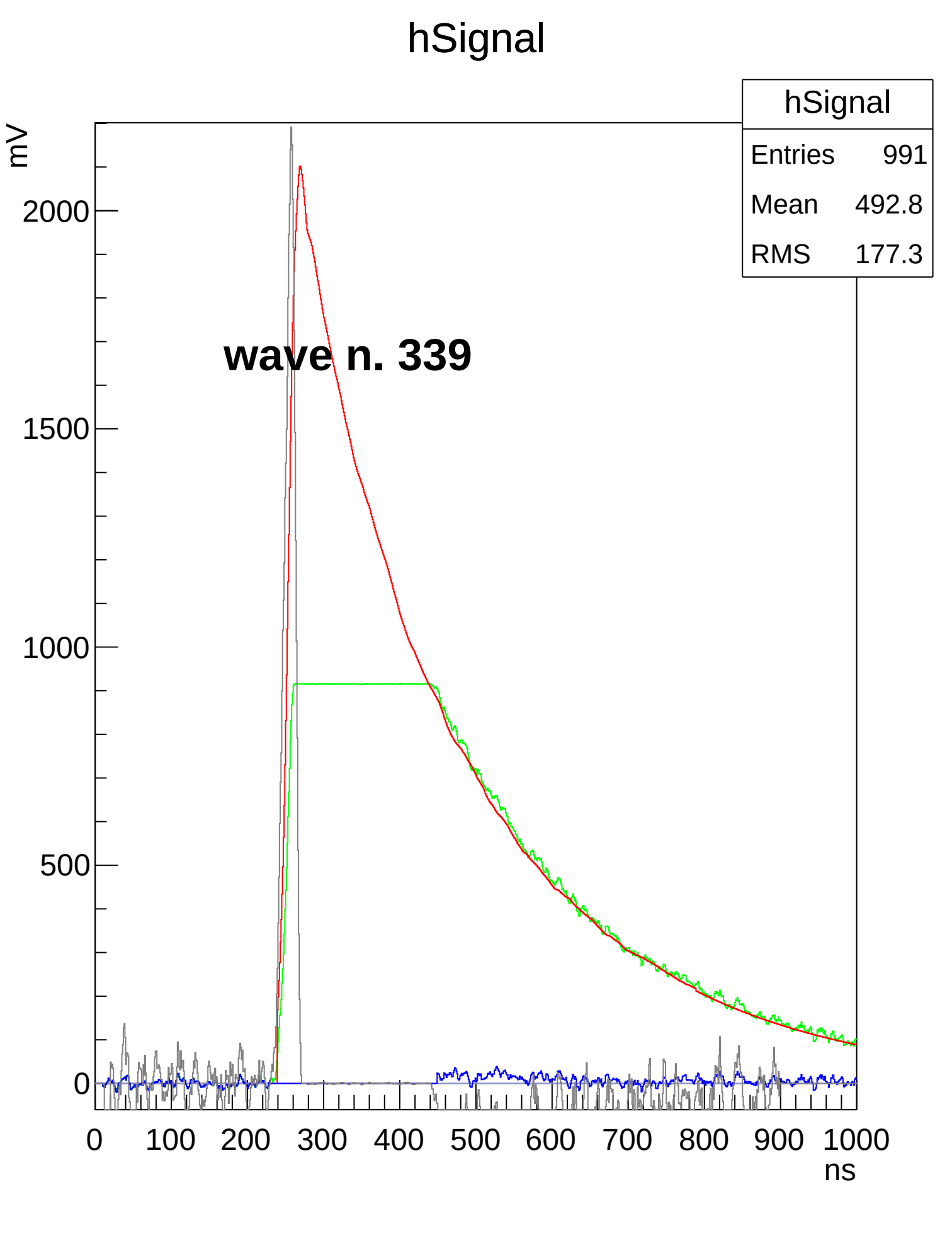

hSignal
hSignal
Entries 991
Mean 606.4
RMS 153.1
wave n. 334
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

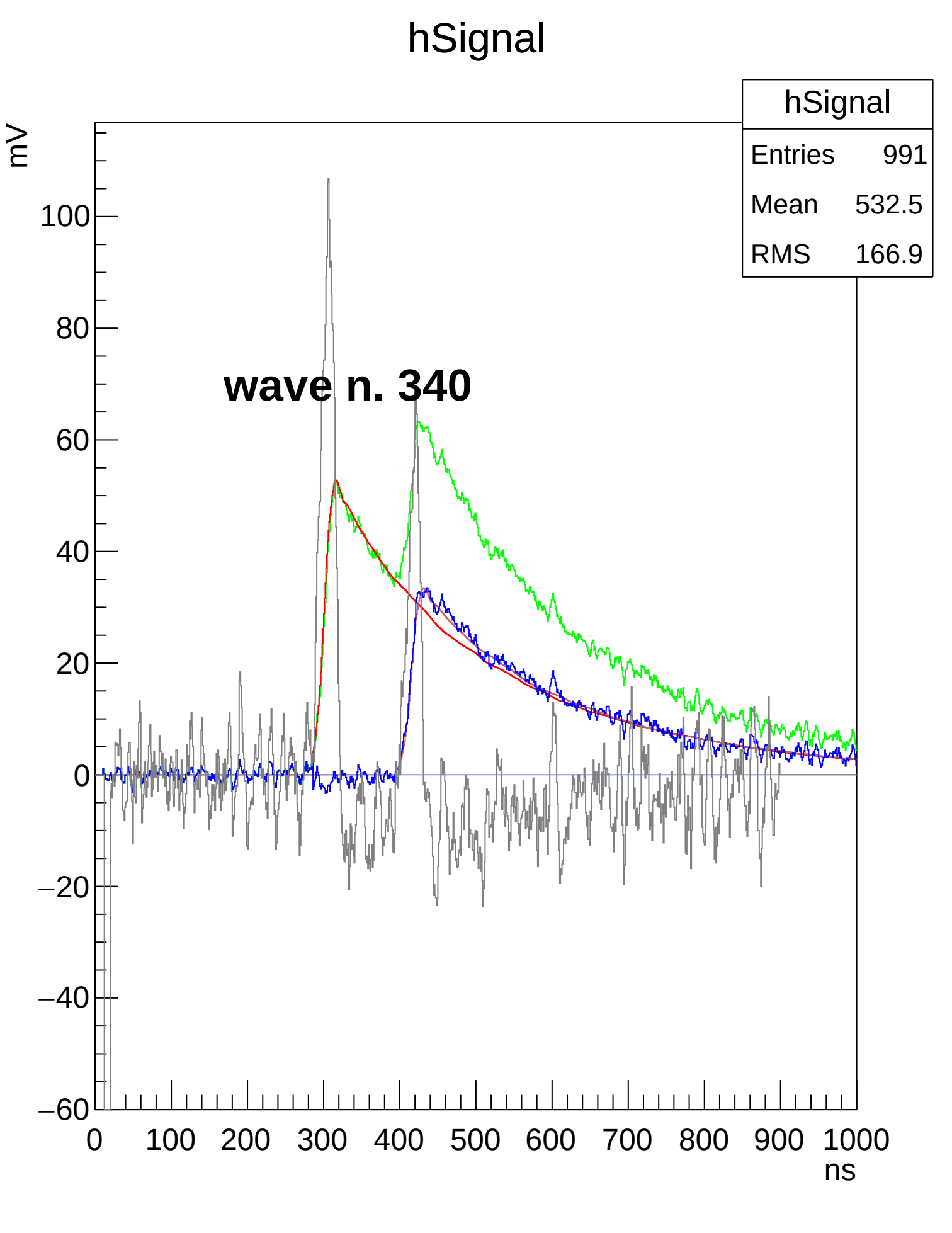

hSignal
hSignal
Entries 991
Mean 567.2
RMS 170.9
wave n. 335
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

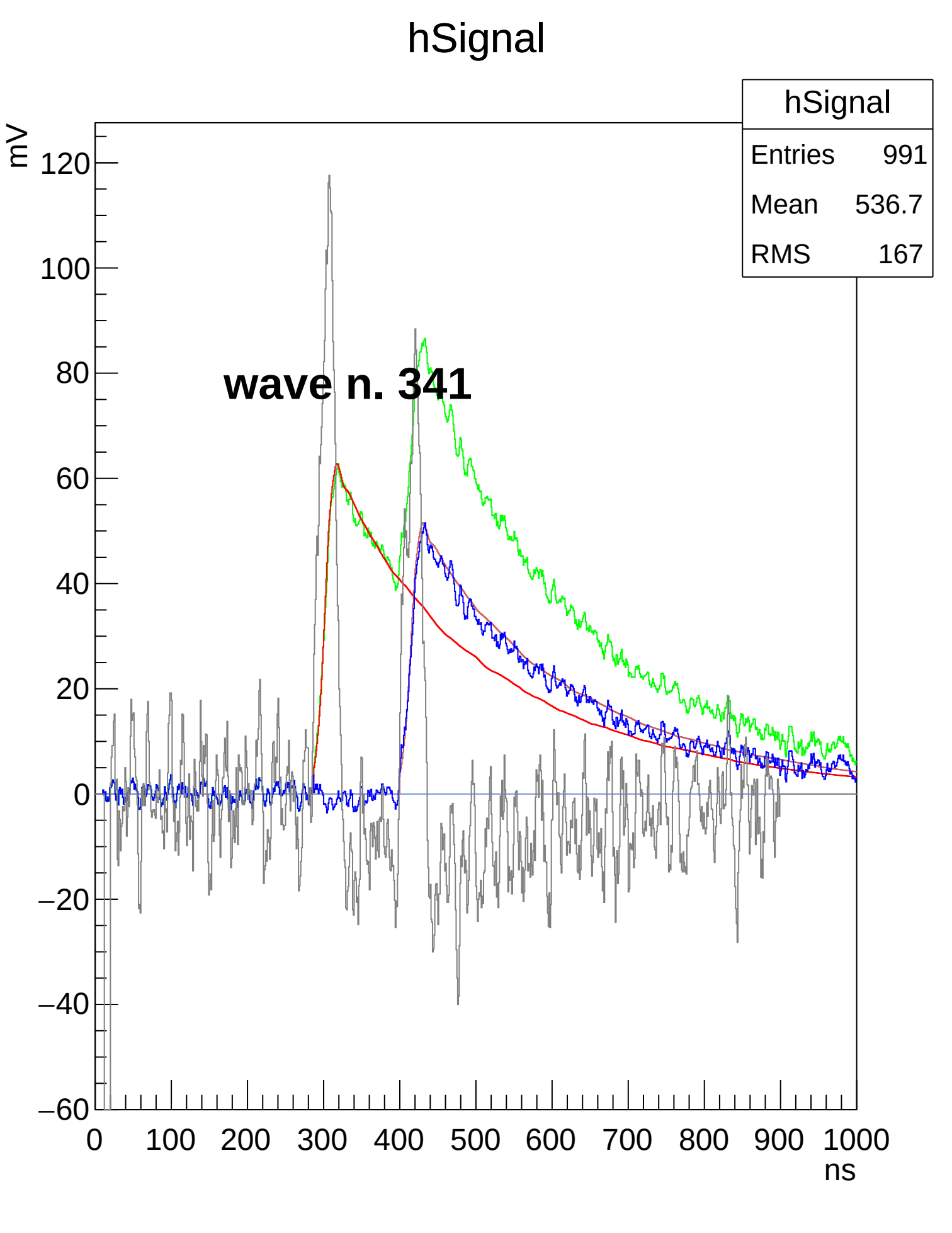

hSignal
hSignal
Entries 991
Mean 517.1
RMS 174.3
wave n. 336
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

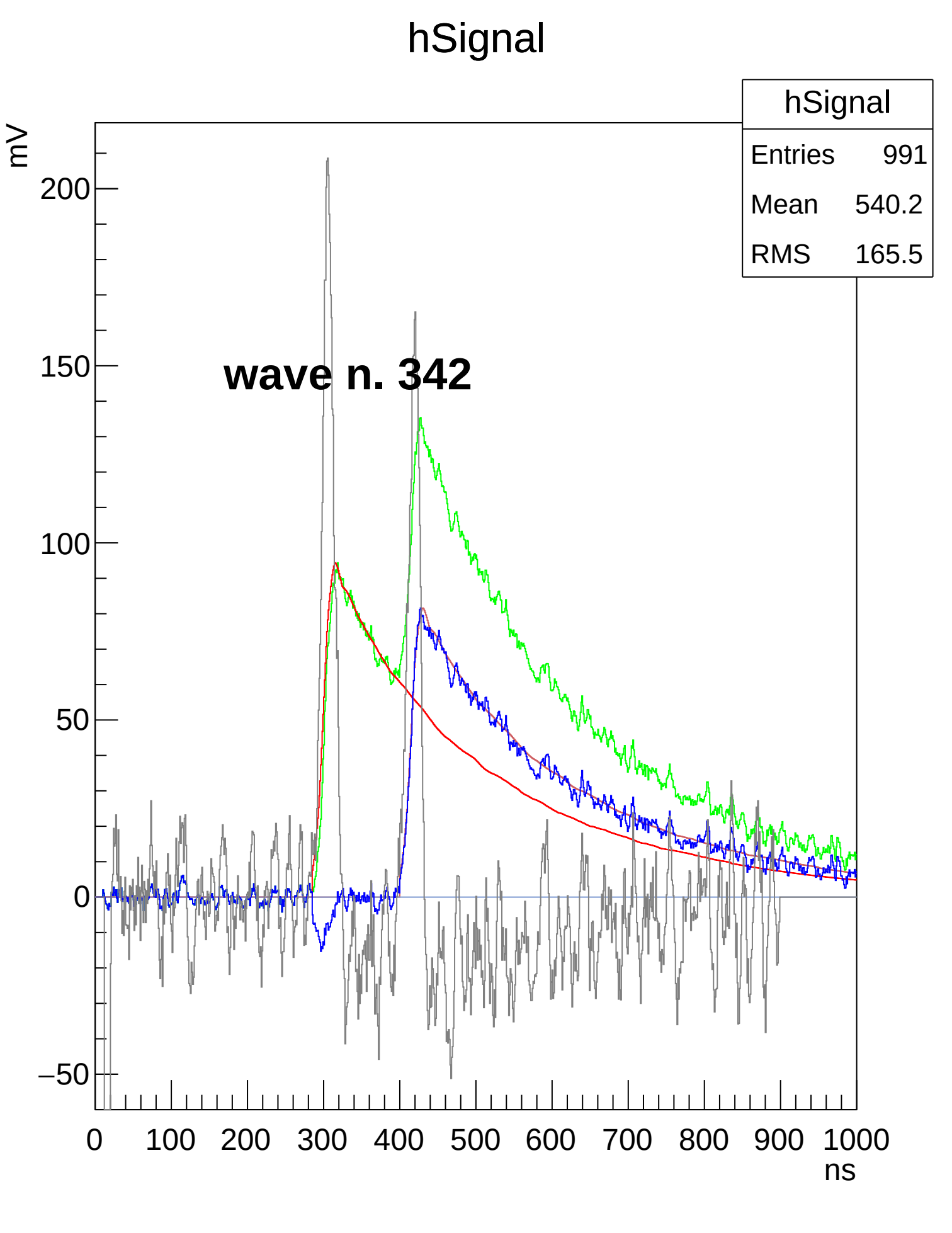

hSignal
hSignal
Entries 991
Mean 471.5
RMS 171.8
wave n. 337
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

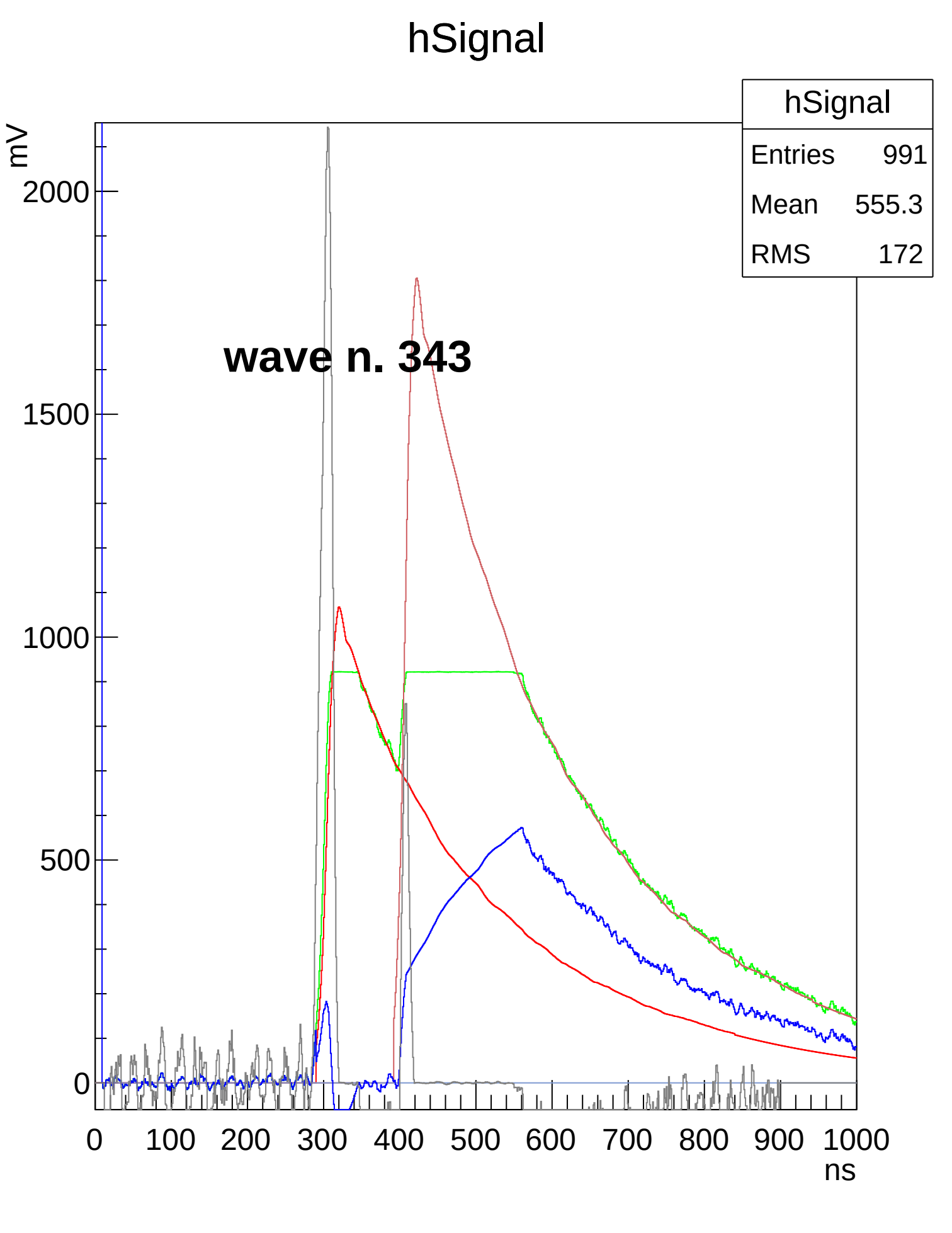

hSignal
hSignal
Entries 991
Mean 481.8
RMS 172.2
wave n. 338
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

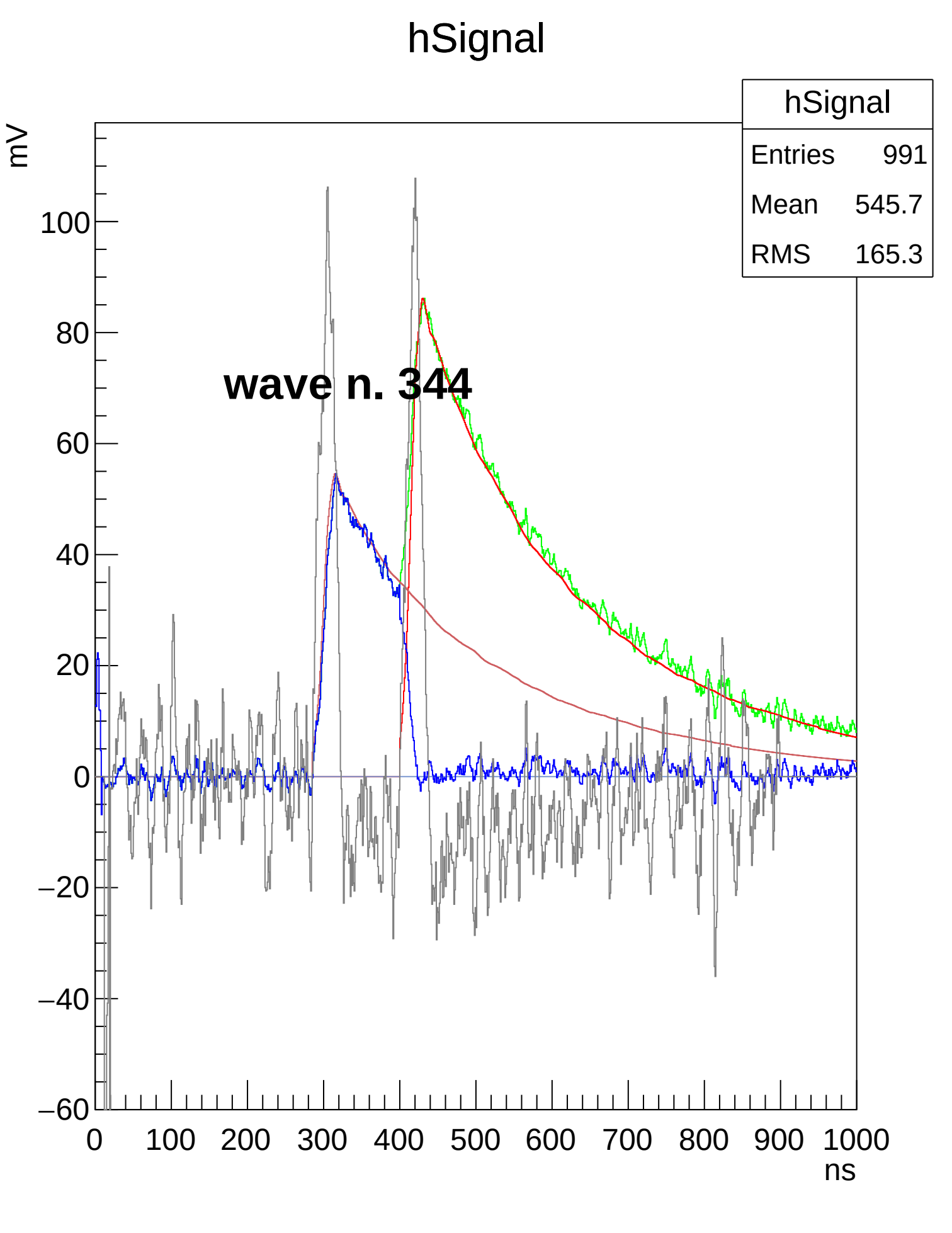

hSignal
hSignal
Entries 991
Mean 492.8
RMS 177.3
wave n. 339
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

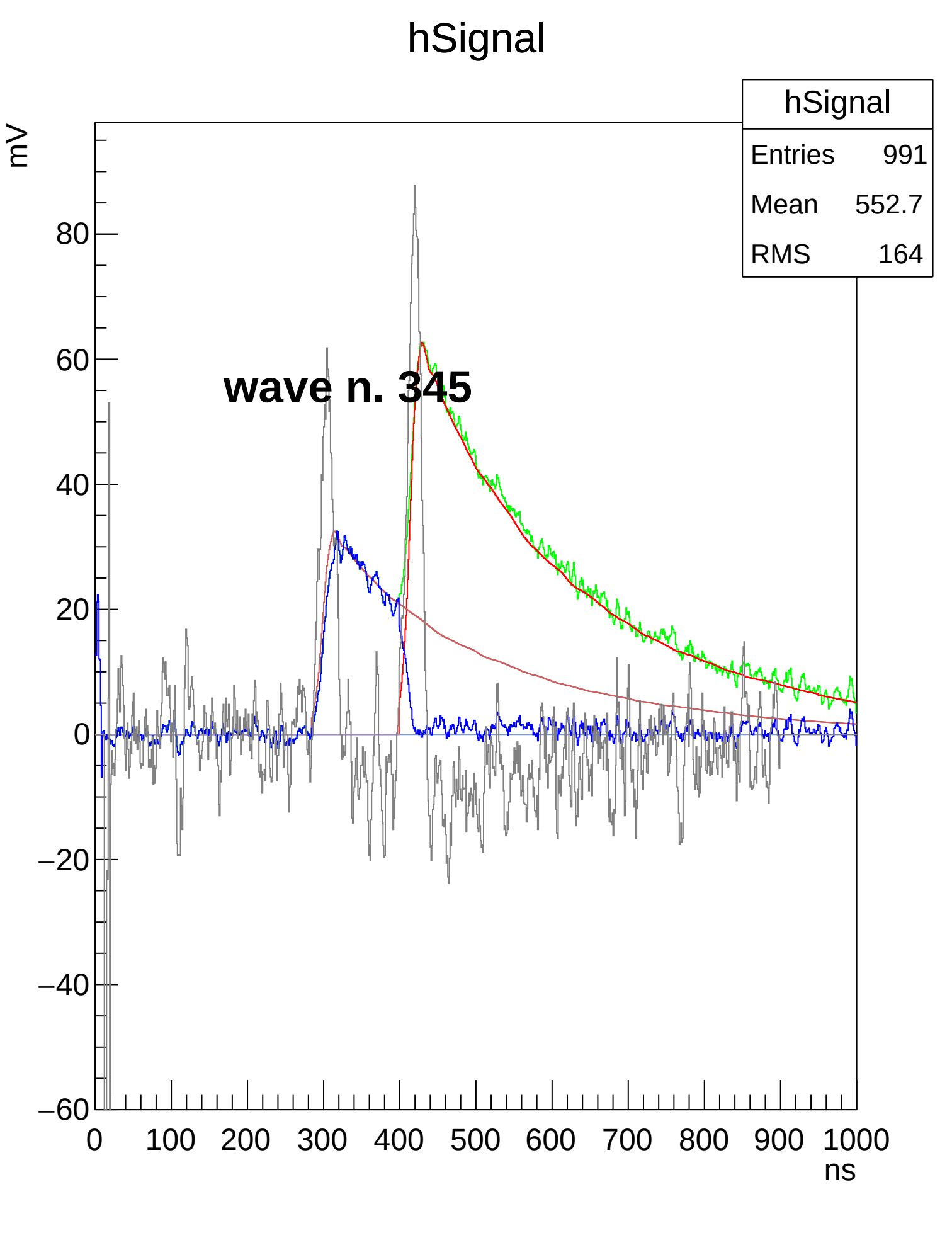

hSignal
hSignal
Entries 991
Mean 532.5
RMS 166.9
wave n. 340
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

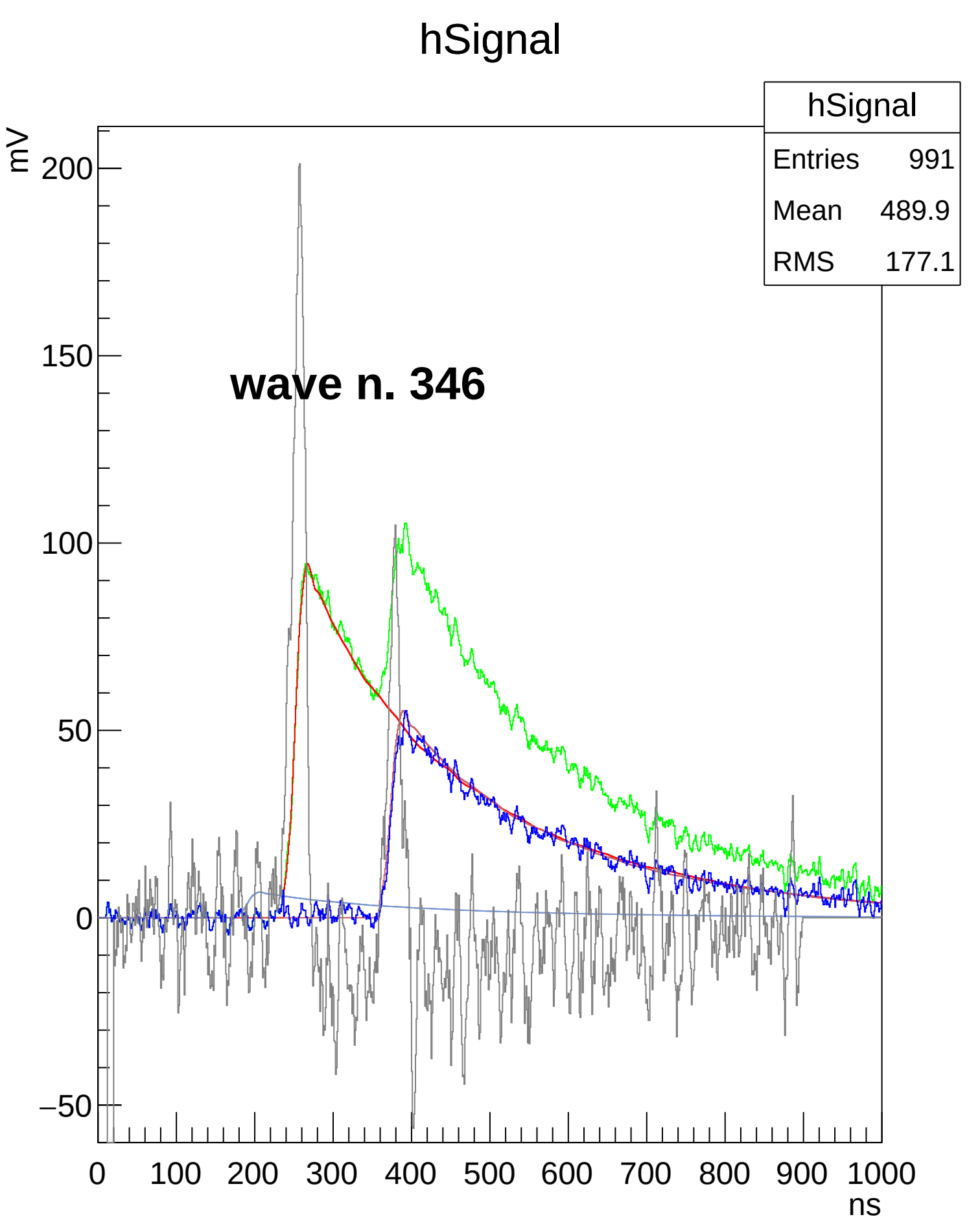

hSignal
hSignal
Entries 991
Mean 536.7
RMS 167
wave n. 341
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

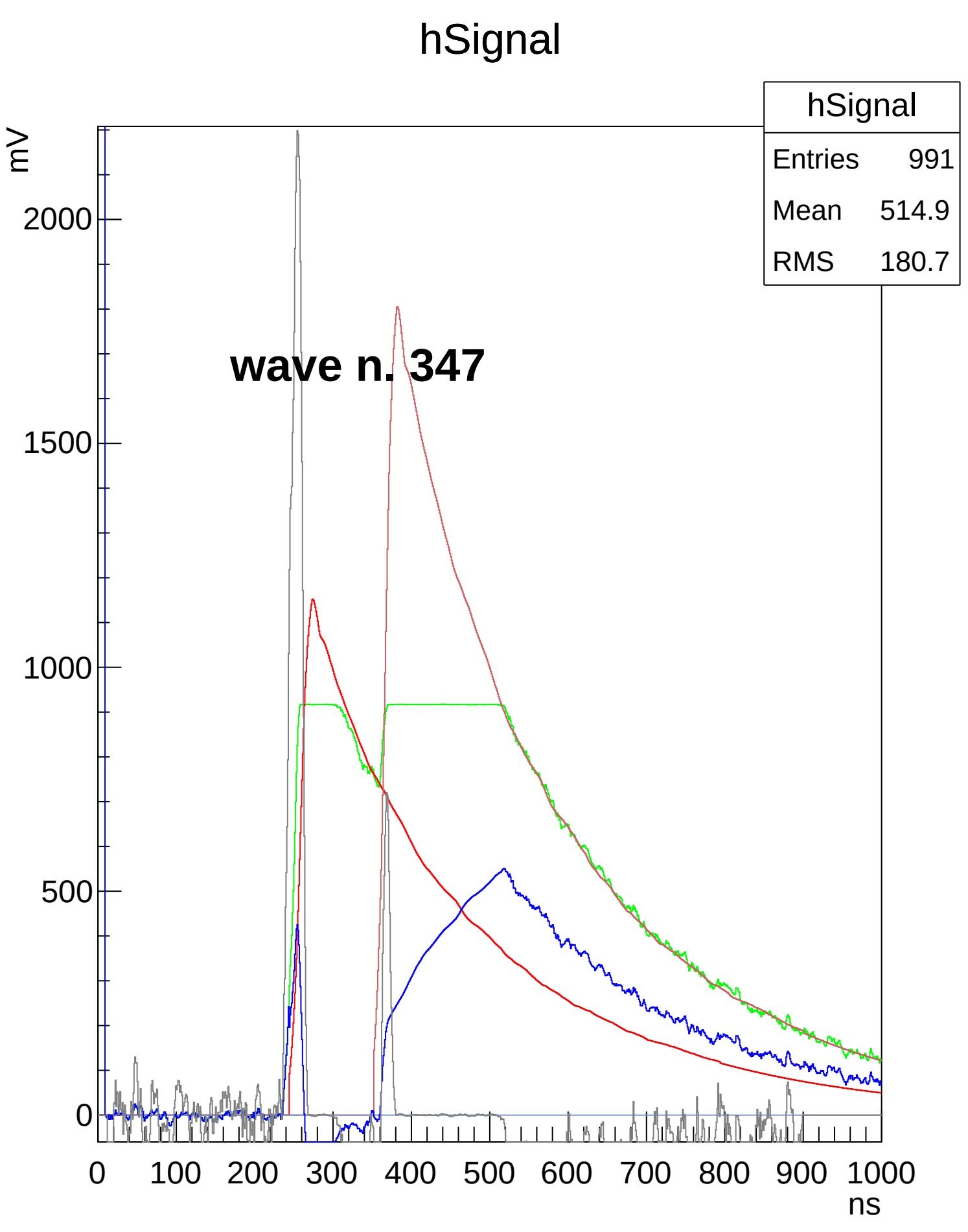

hSignal
hSignal
Entries 991
Mean 540.2
RMS 165.5
wave n. 342
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

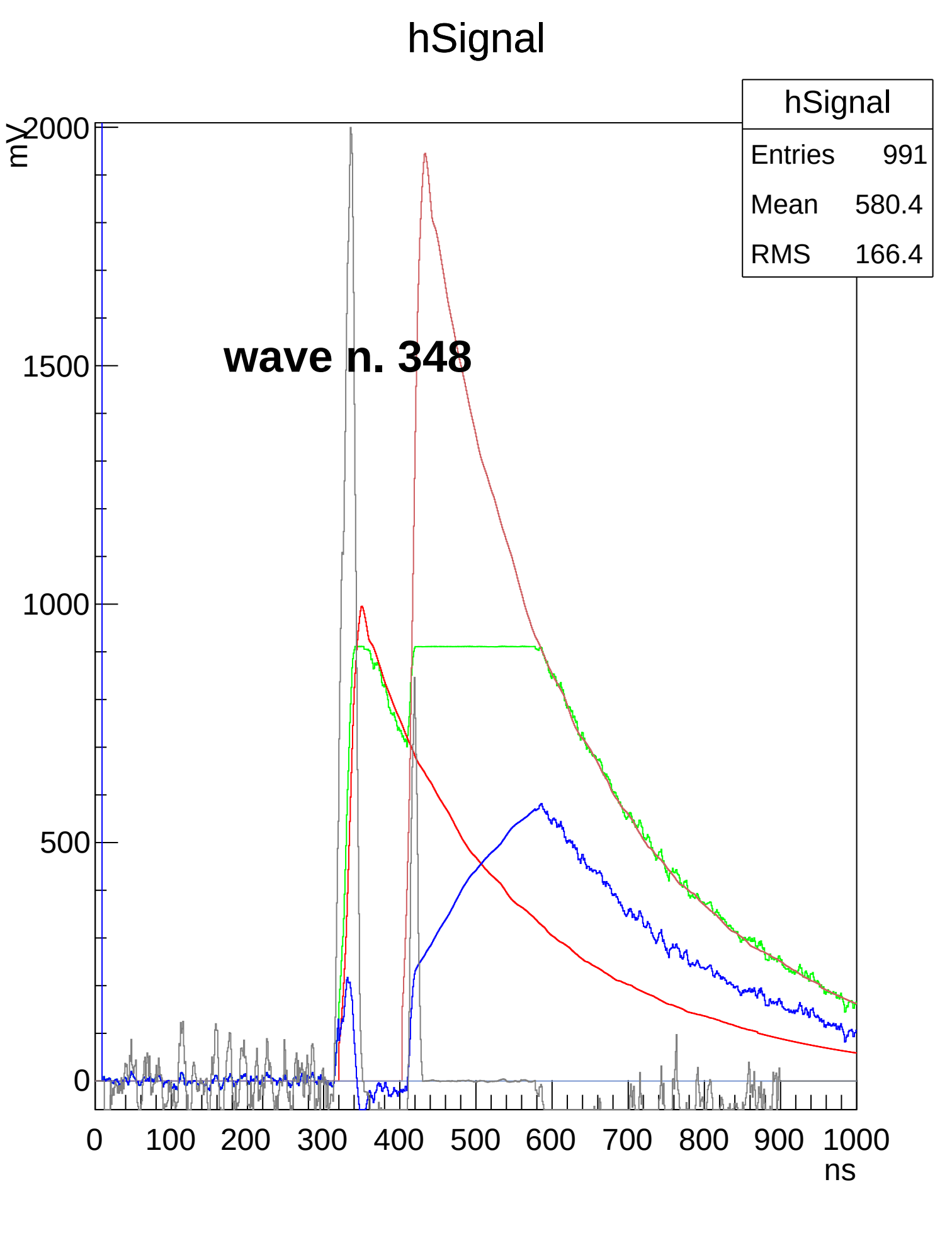

hSignal
hSignal
Entries 991
Mean 555.3
RMS 172
wave n. 343
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

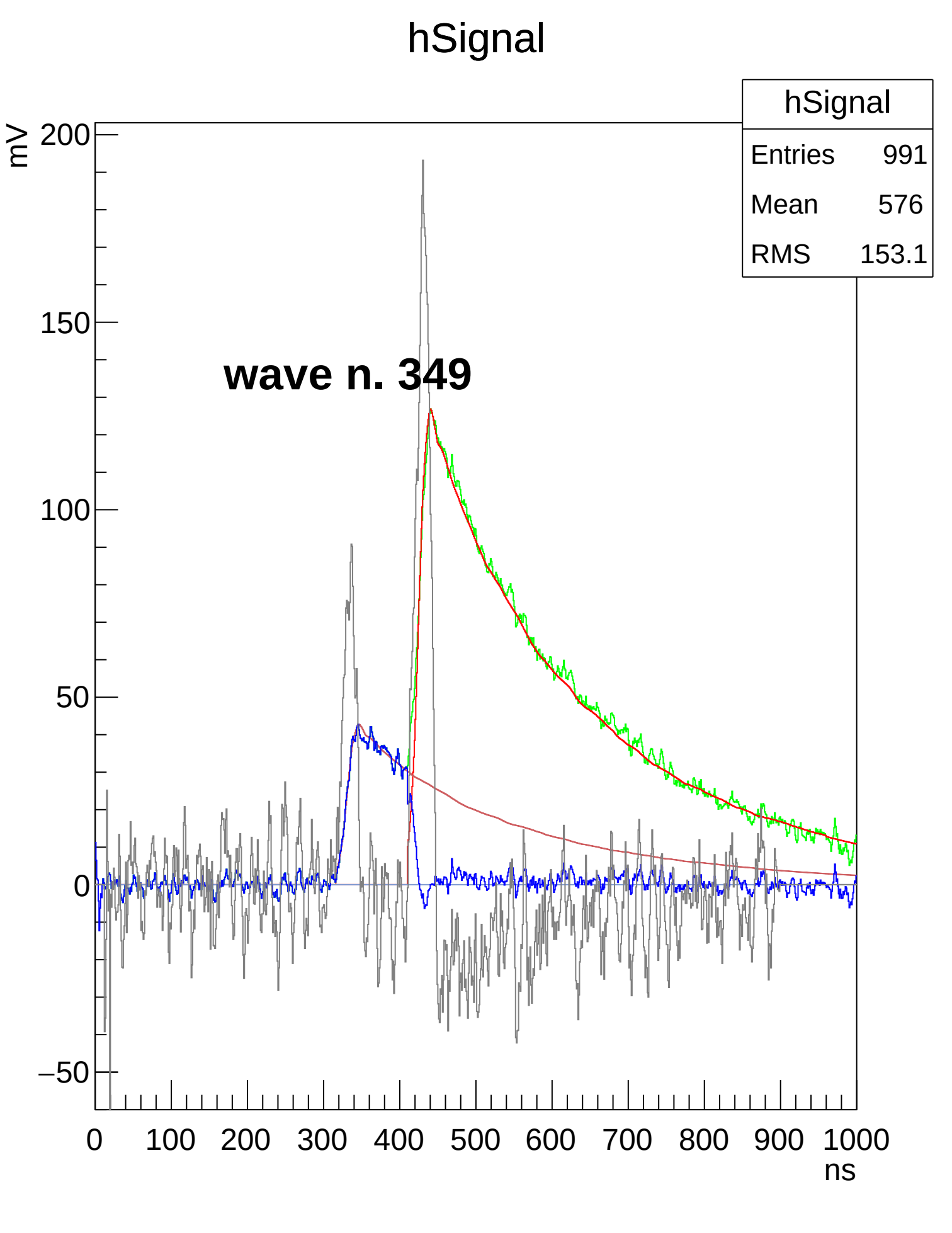

hSignal
hSignal
Entries 991
Mean 545.7
RMS 165.3
wave n. 344
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

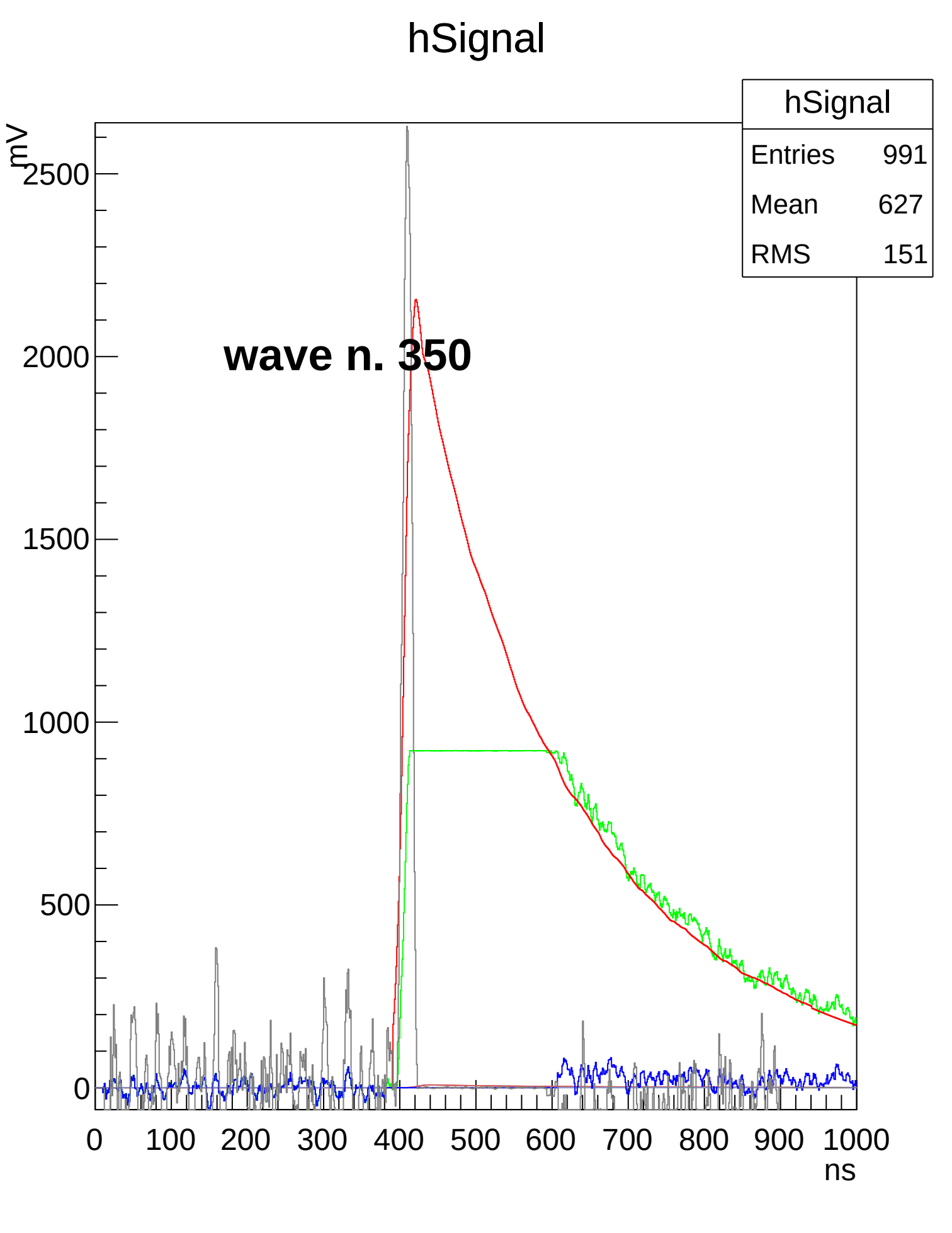

hSignal
hSignal
Entries 991
Mean 552.7
RMS 164
wave n. 345
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

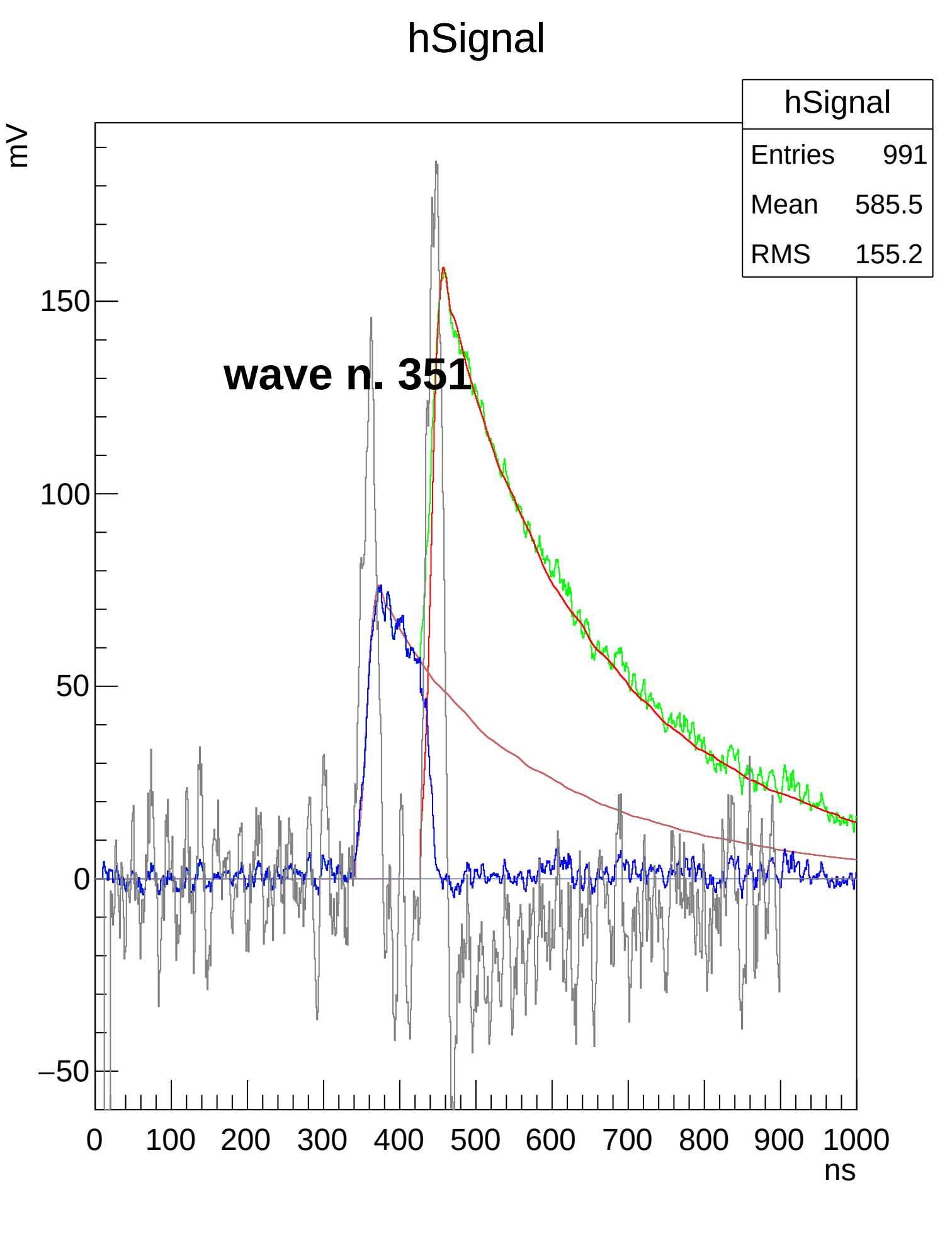

hSignal
hSignal
Entries 991
Mean 489.9
RMS 177.1
wave n. 346
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

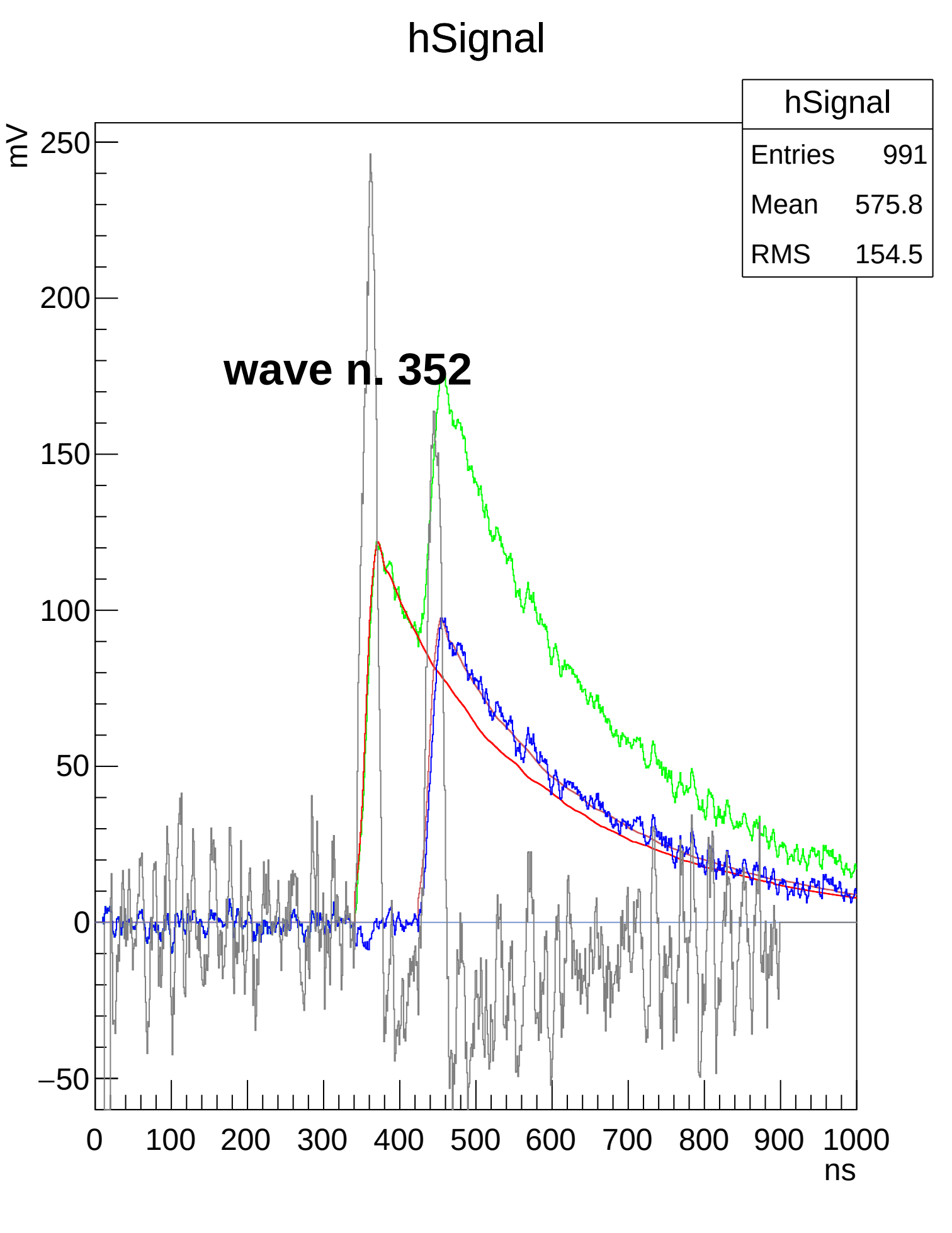

hSignal
hSignal
Entries 991
Mean 514.9
RMS 180.7
wave n. 347
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

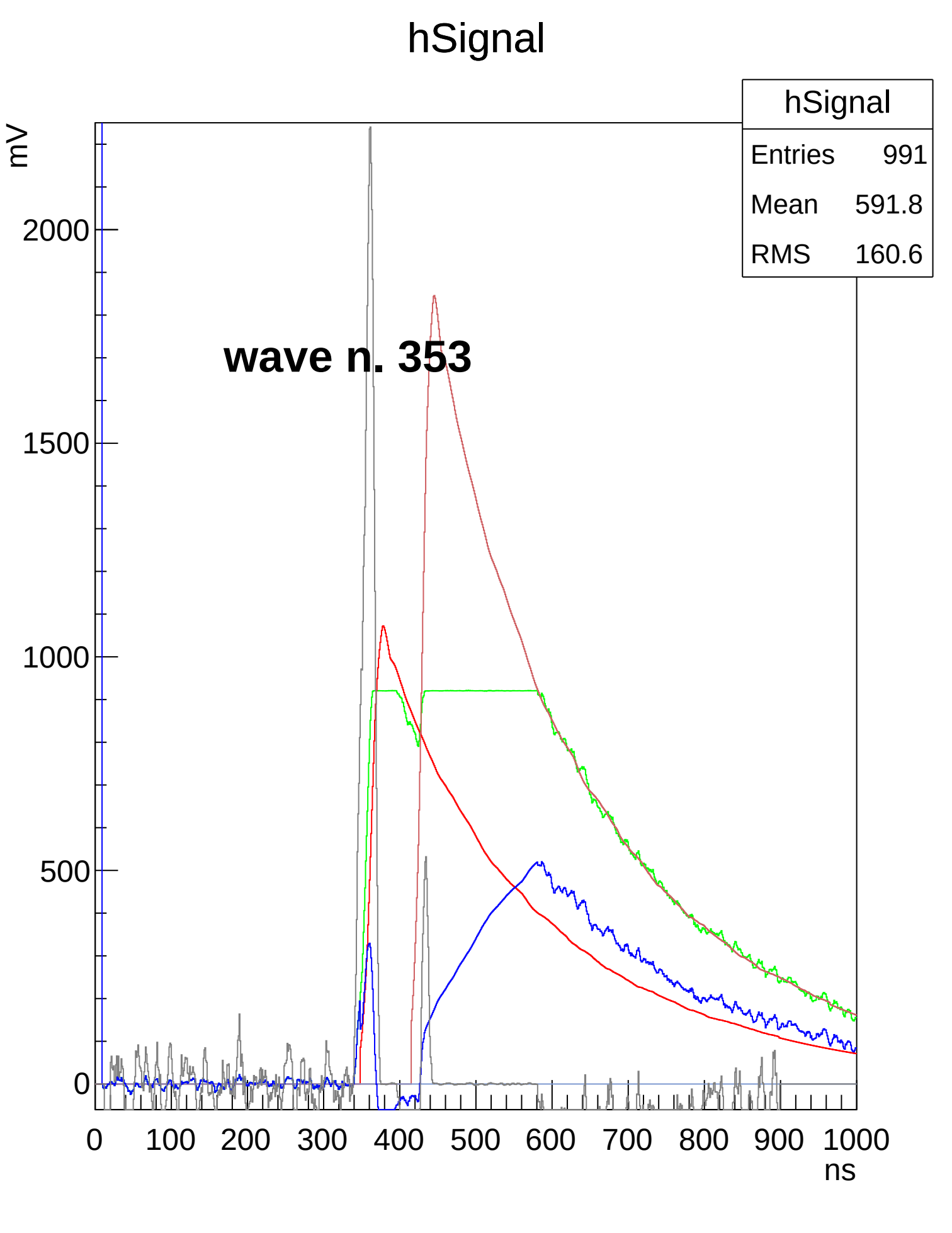

hSignal
hSignal
Entries 991
Mean 580.4
RMS 166.4
wave n. 348
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

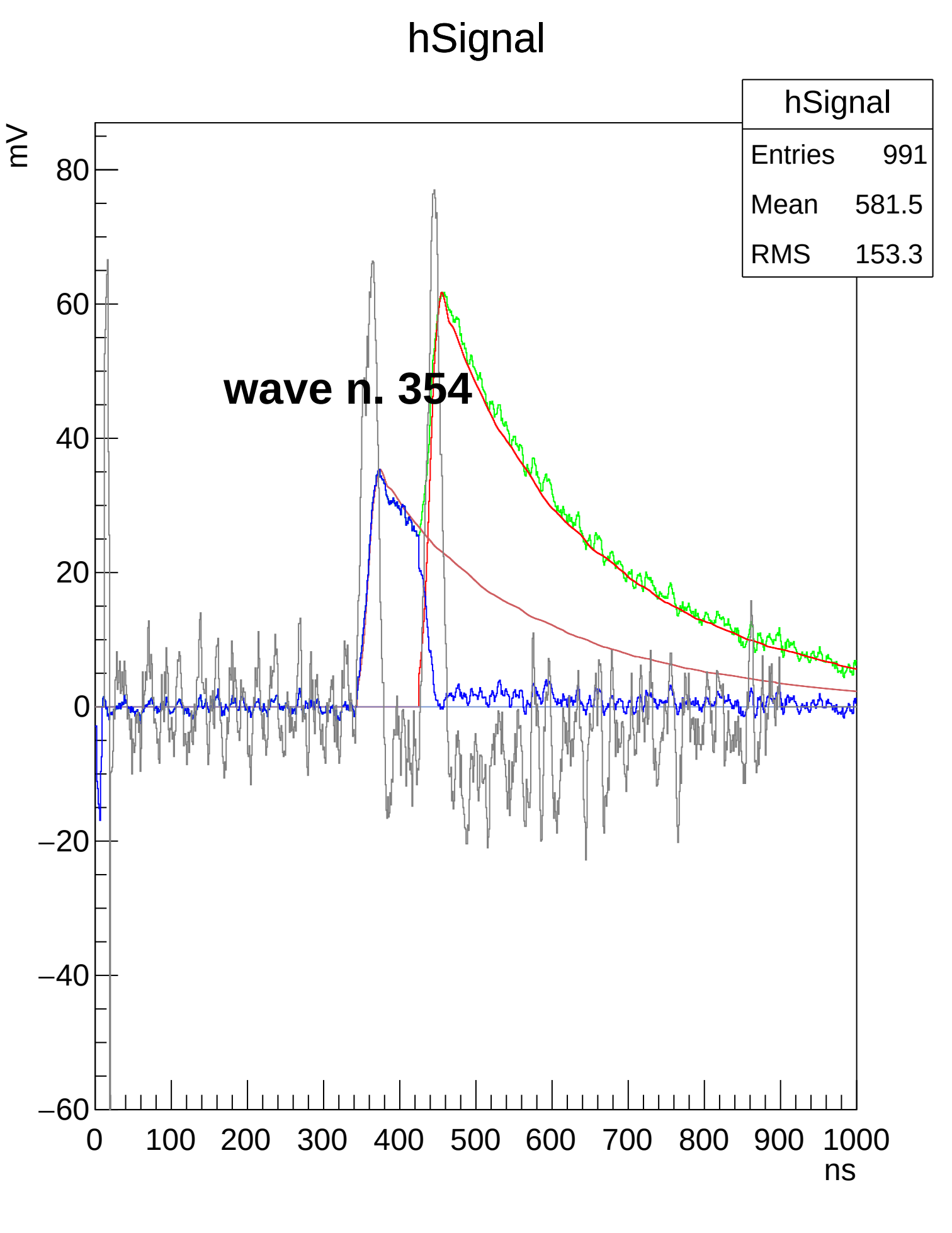

hSignal
hSignal
Entries 991
Mean 576
RMS 153.1
wave n. 349
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

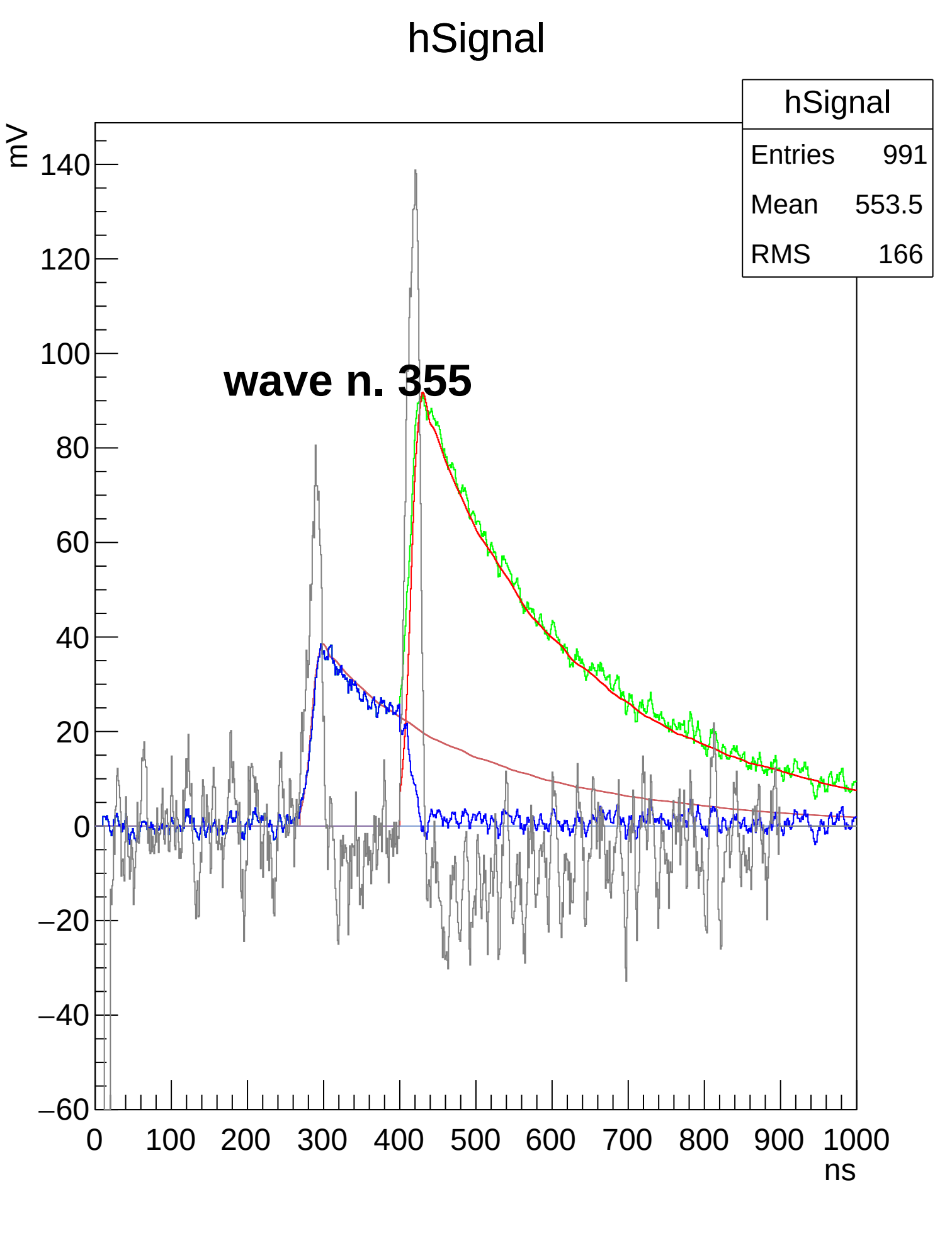

hSignal
hSignal
Entries 991
Mean 627
RMS 151
wave n. 350
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

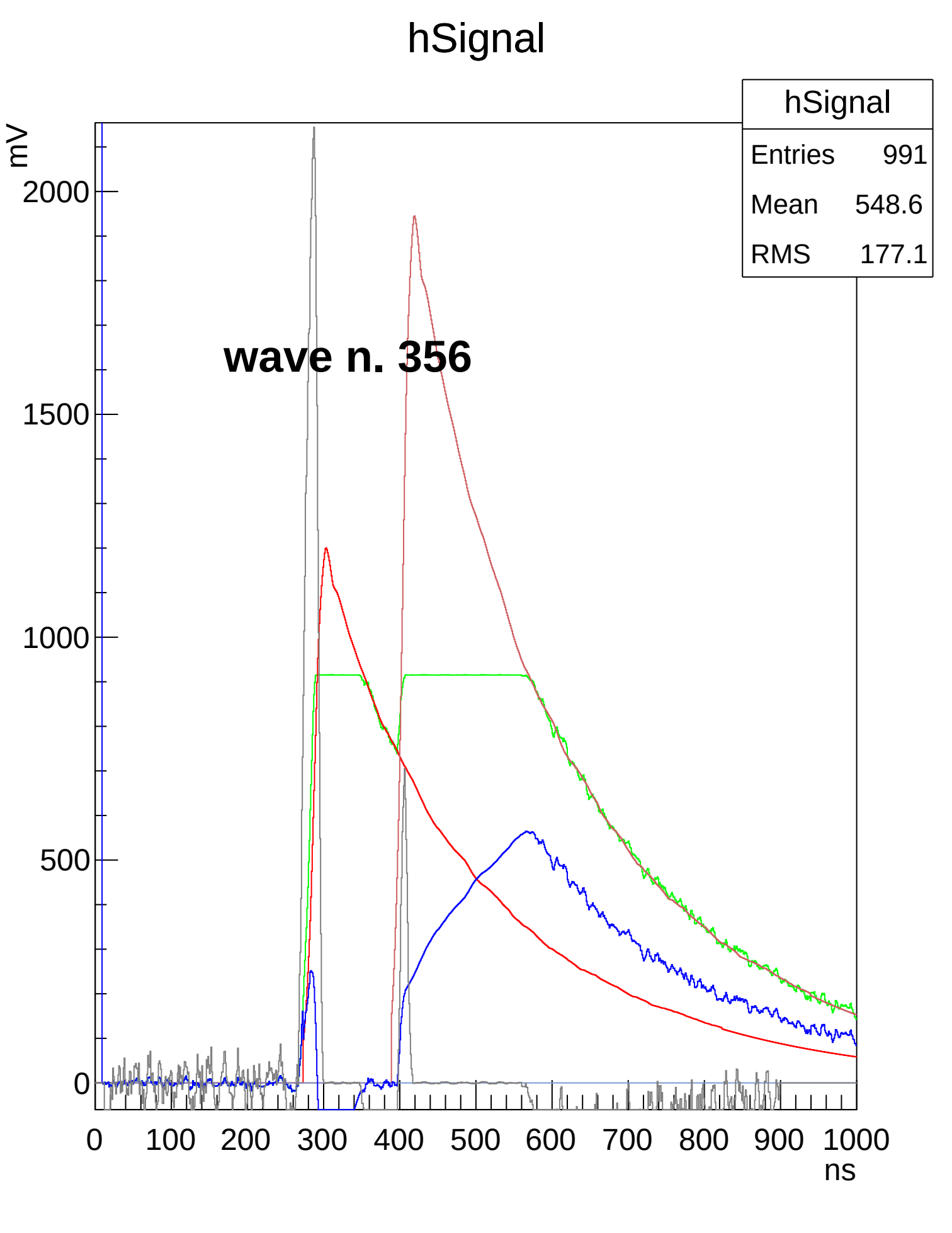

hSignal
hSignal
Entries 991
Mean 585.5
RMS 155.2
wave n. 351
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

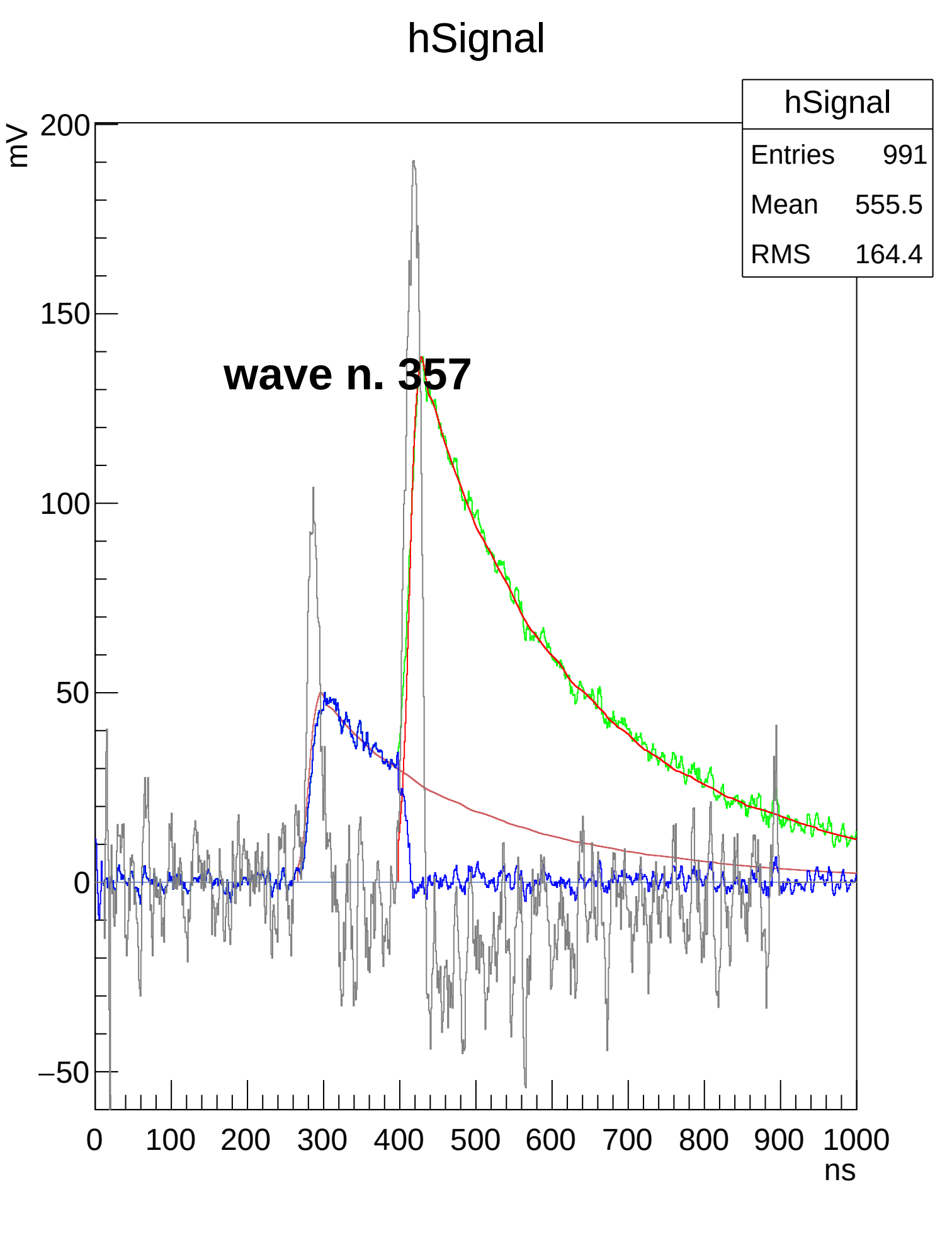

hSignal
hSignal
Entries 991
Mean 575.8
RMS 154.5
wave n. 352
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

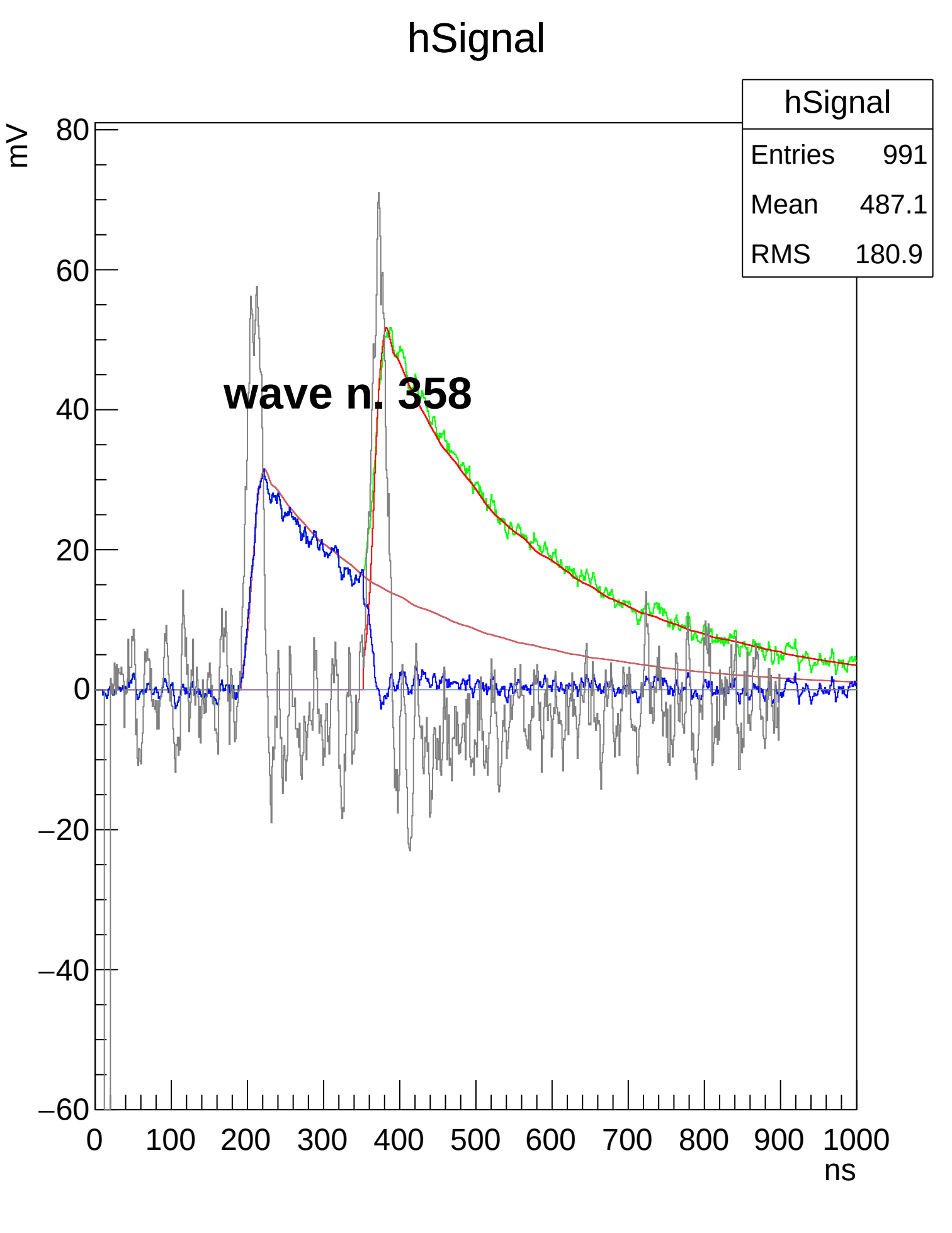

hSignal
hSignal
Entries 991
Mean 591.8
RMS 160.6
wave n. 353
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

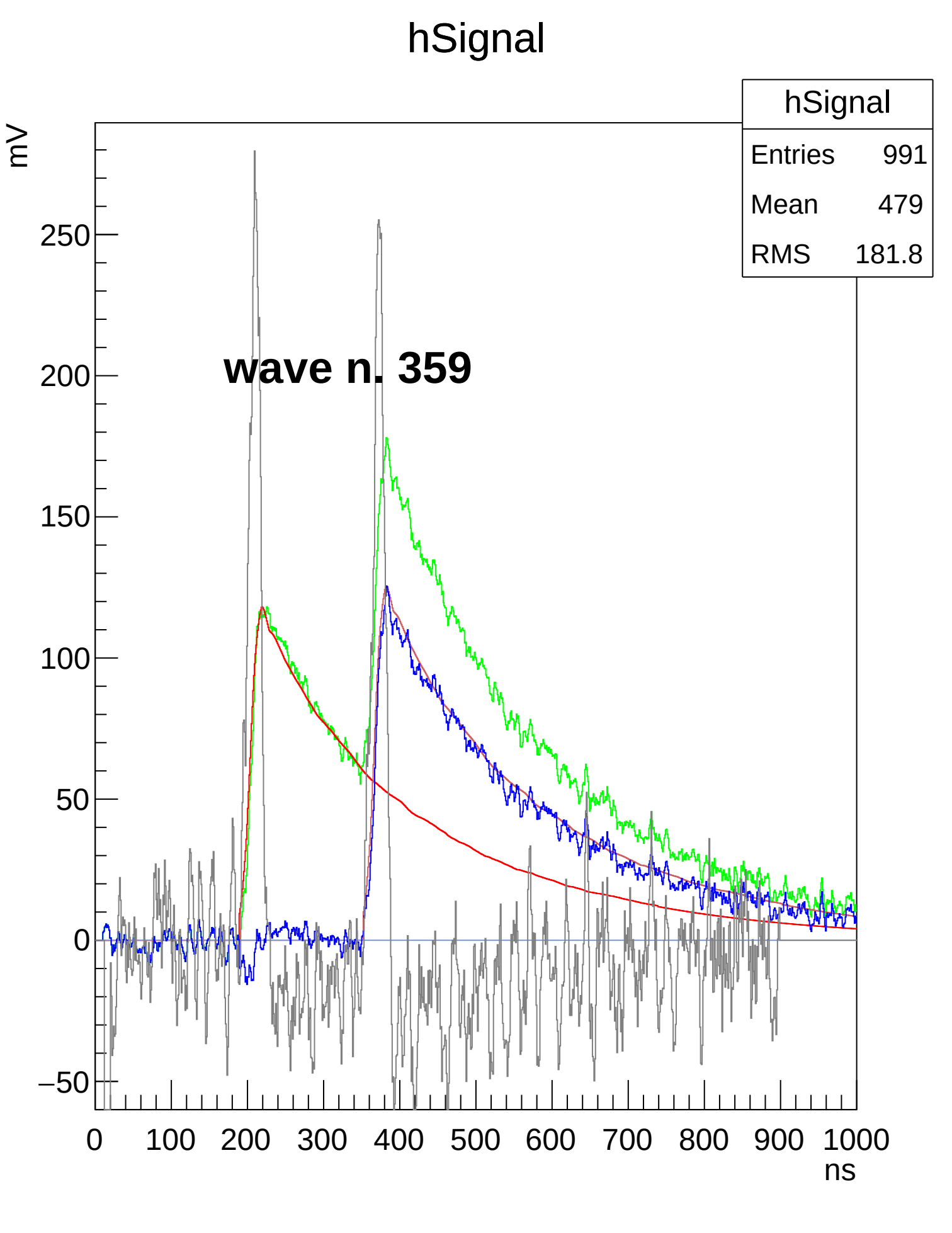

hSignal
hSignal
Entries 991
Mean 581.5
RMS 153.3
wave n. 354
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

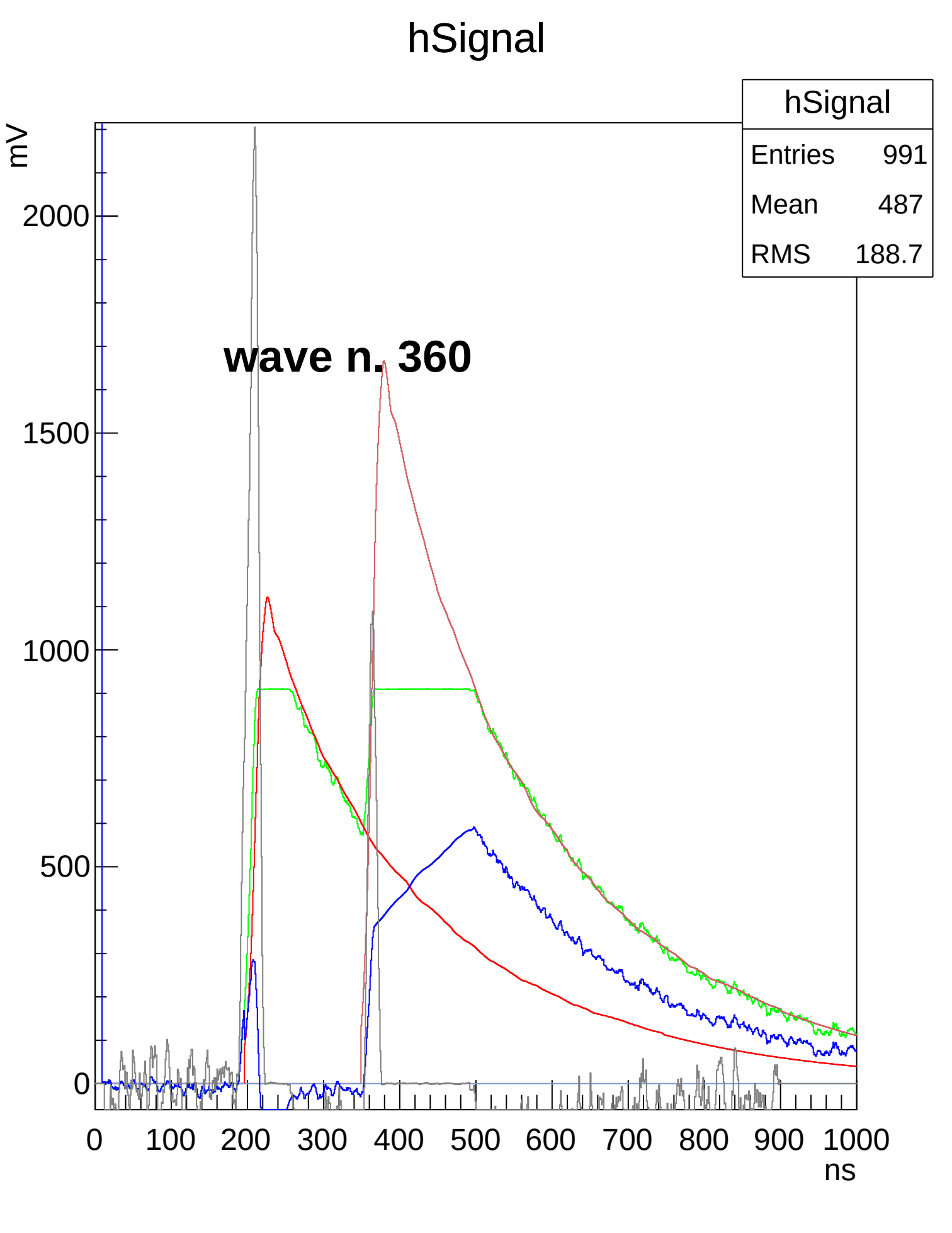

hSignal
hSignal
Entries 991
Mean 553.5
RMS 166
wave n. 355
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

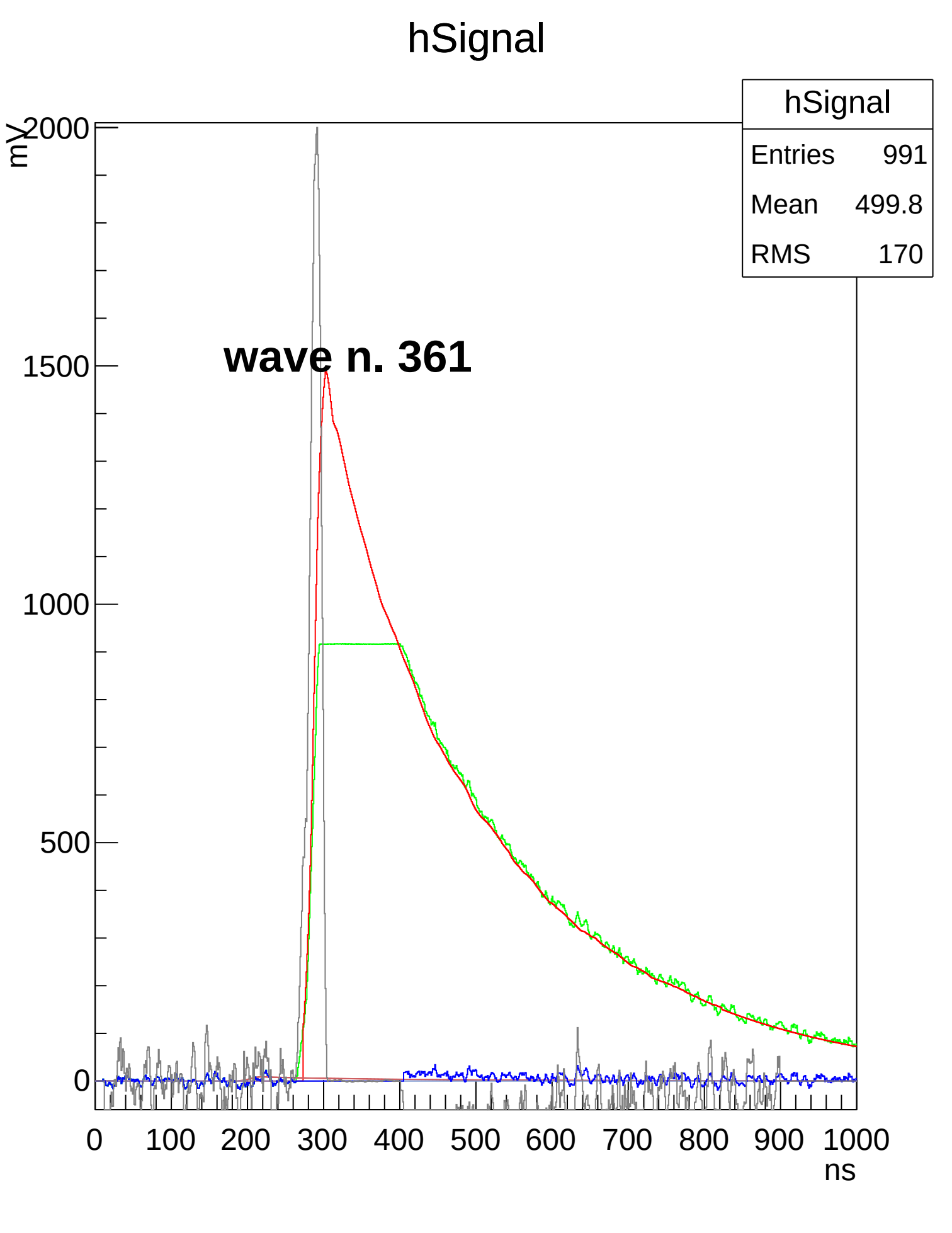

hSignal
hSignal
Entries 991
Mean 548.6
RMS 177.1
wave n. 356
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

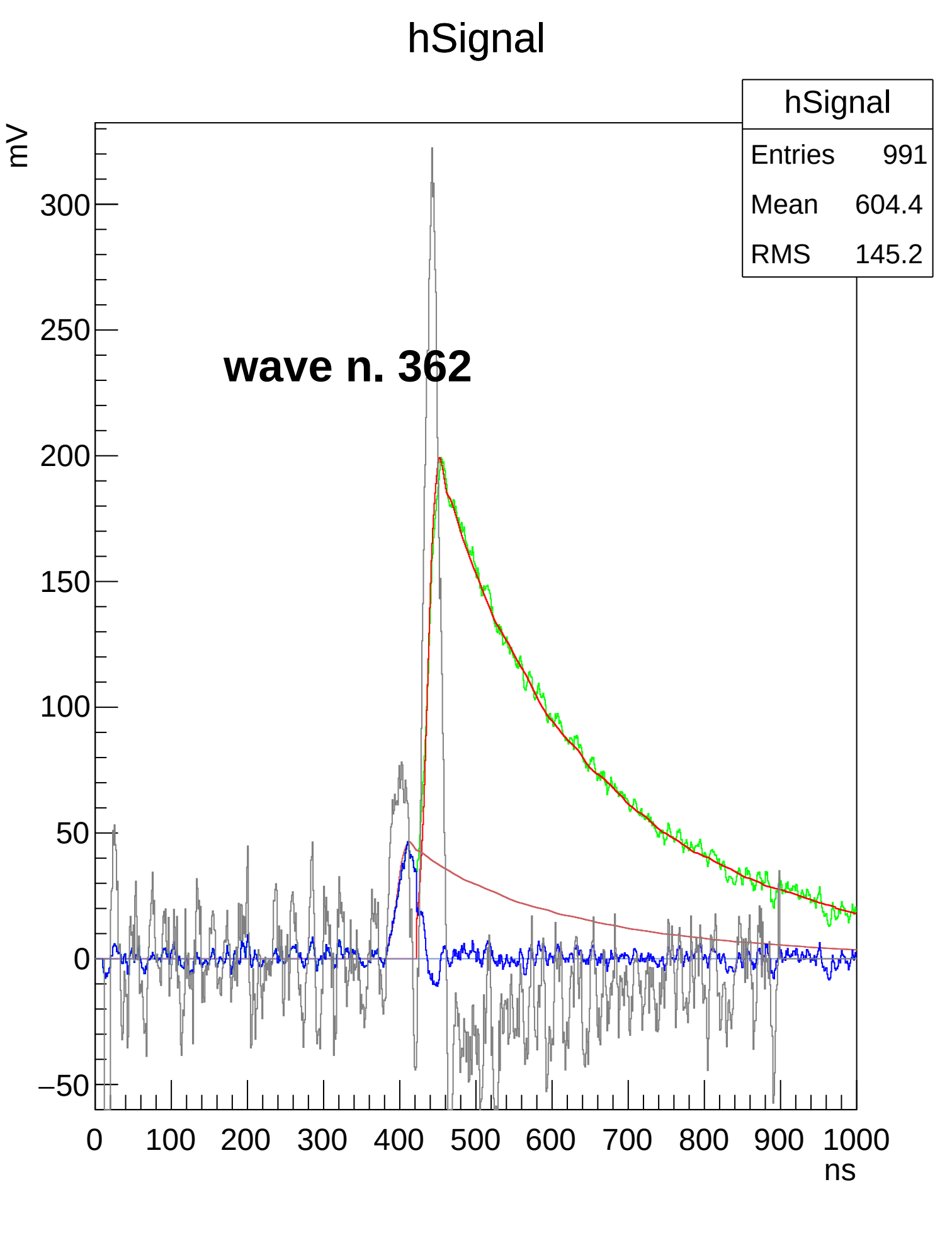

hSignal
hSignal
Entries 991
Mean 555.5
RMS 164.4
wave n. 357
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

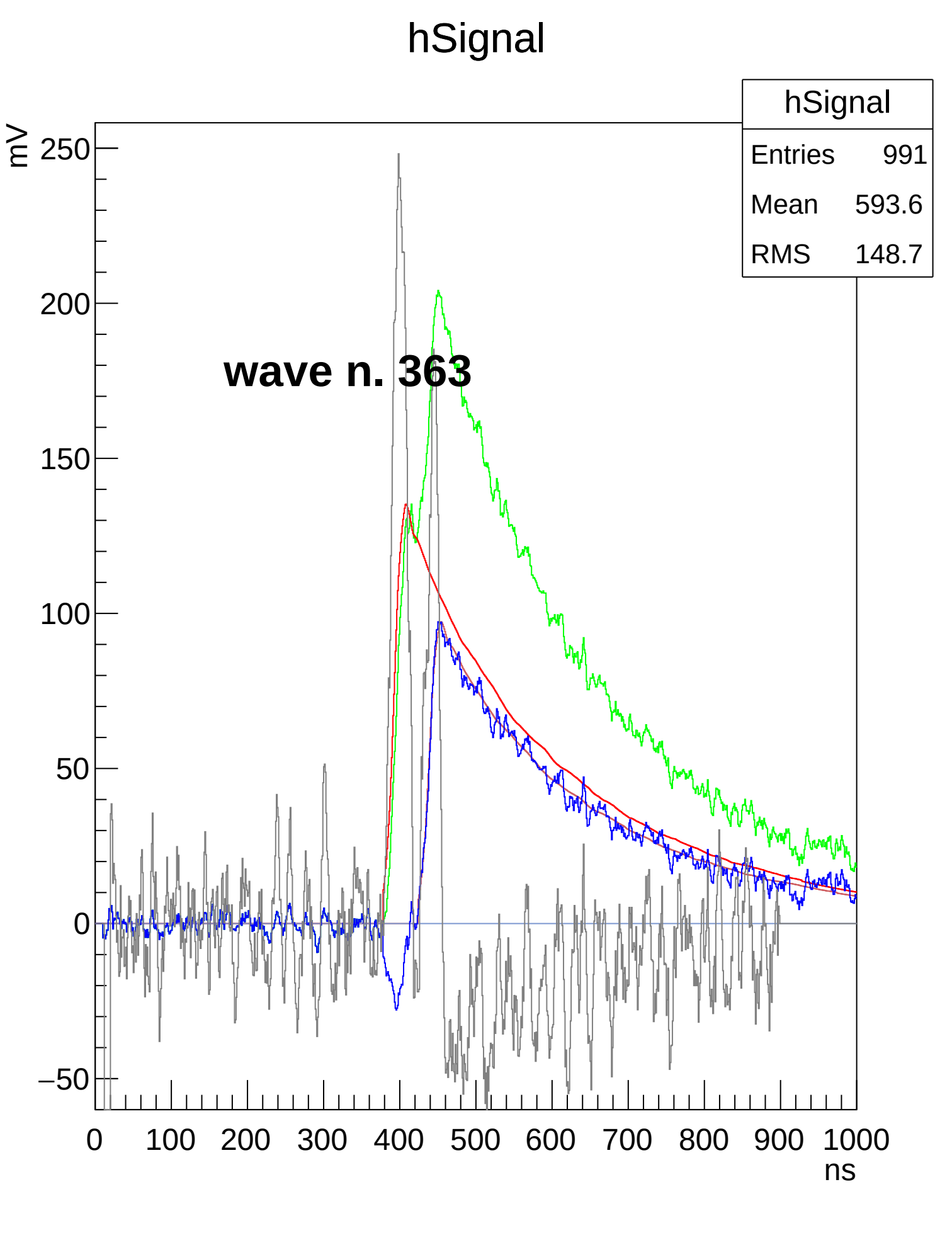

hSignal
hSignal
Entries 991
Mean 487.1
RMS 180.9
wave n. 358
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

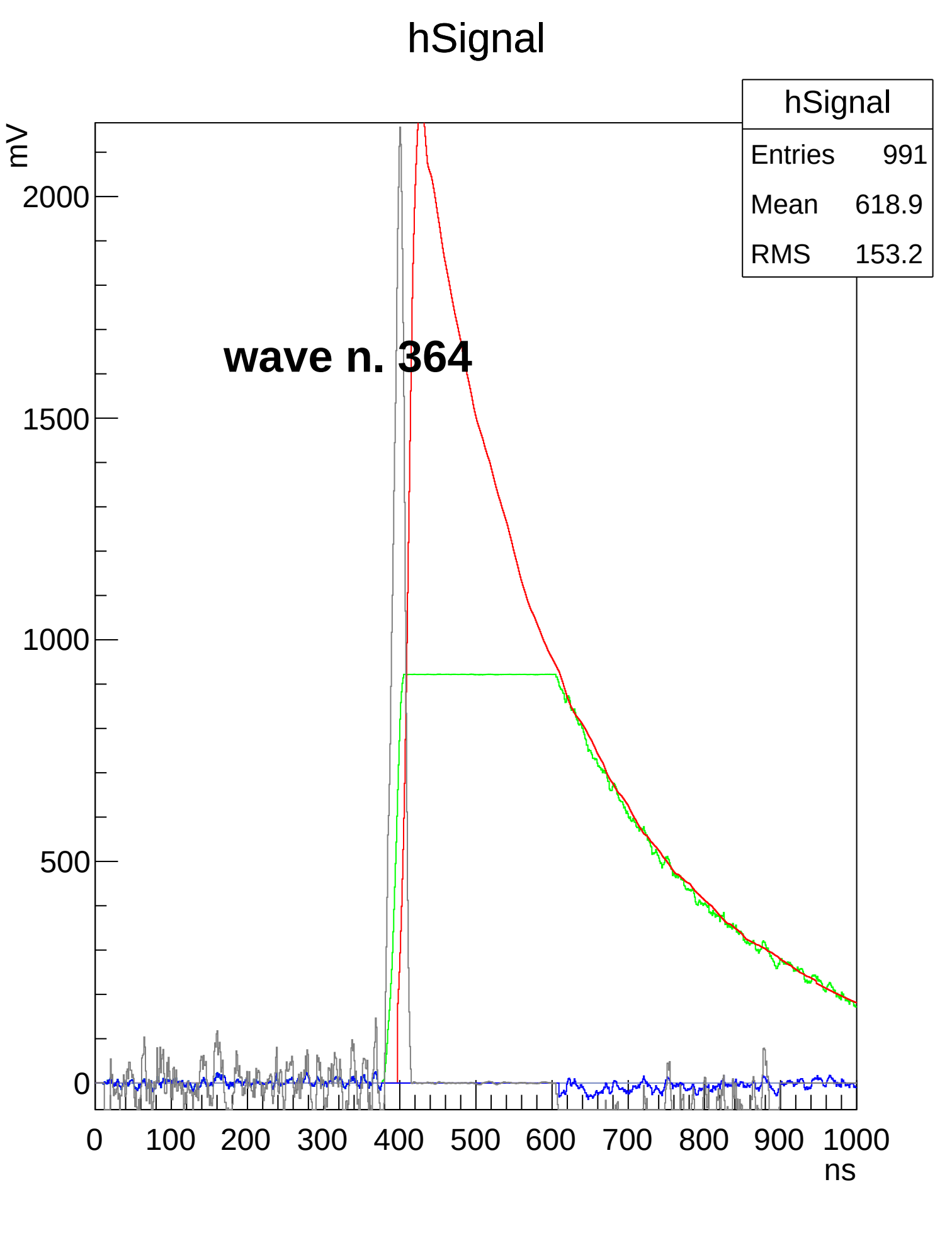

hSignal
hSignal
Entries 991
Mean 479
RMS 181.8
wave n. 359
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

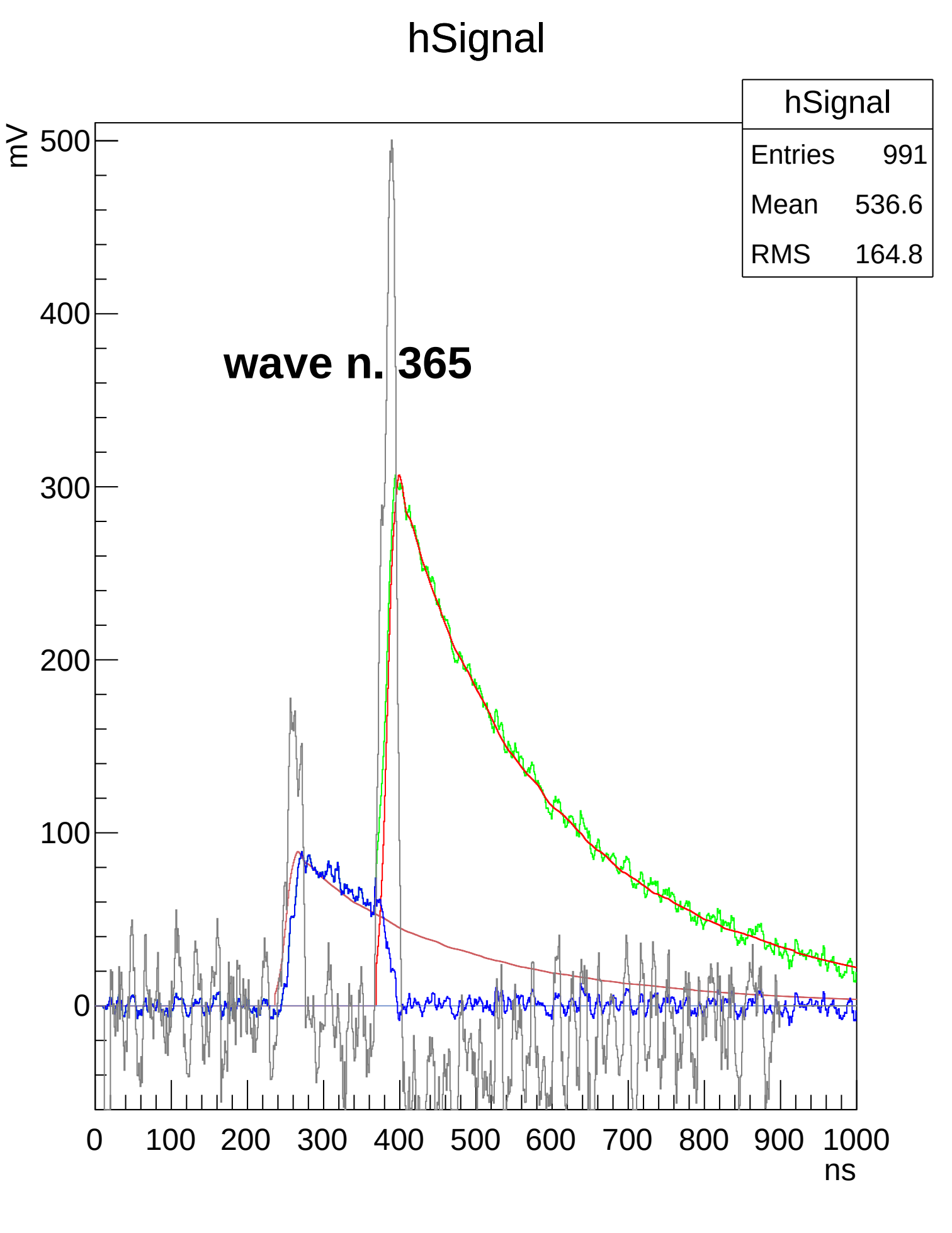

hSignal
hSignal
Entries 991
Mean 487
RMS 188.7
wave n. 360
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

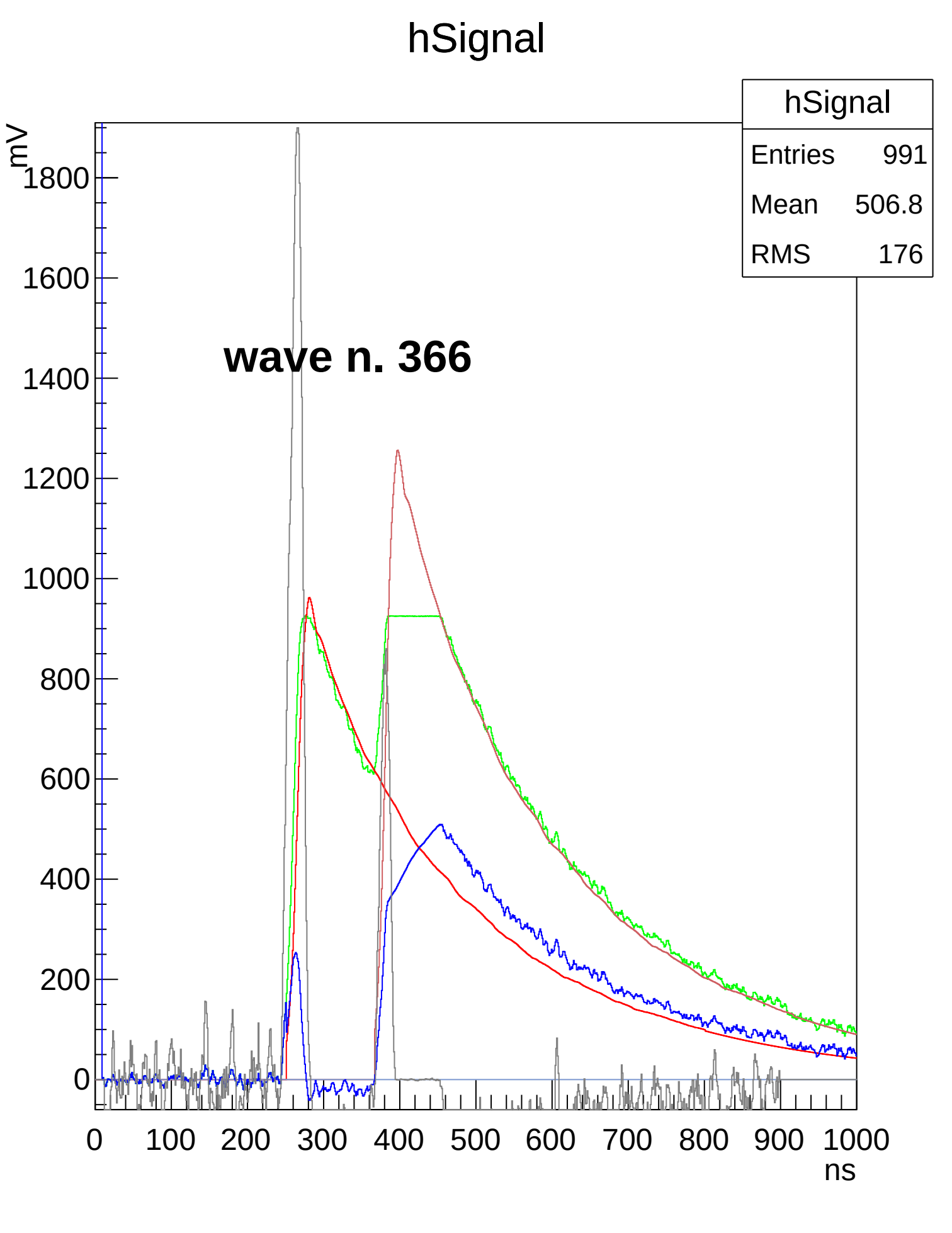

hSignal
hSignal
Entries 991
Mean 499.8
RMS 170
wave n. 361
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

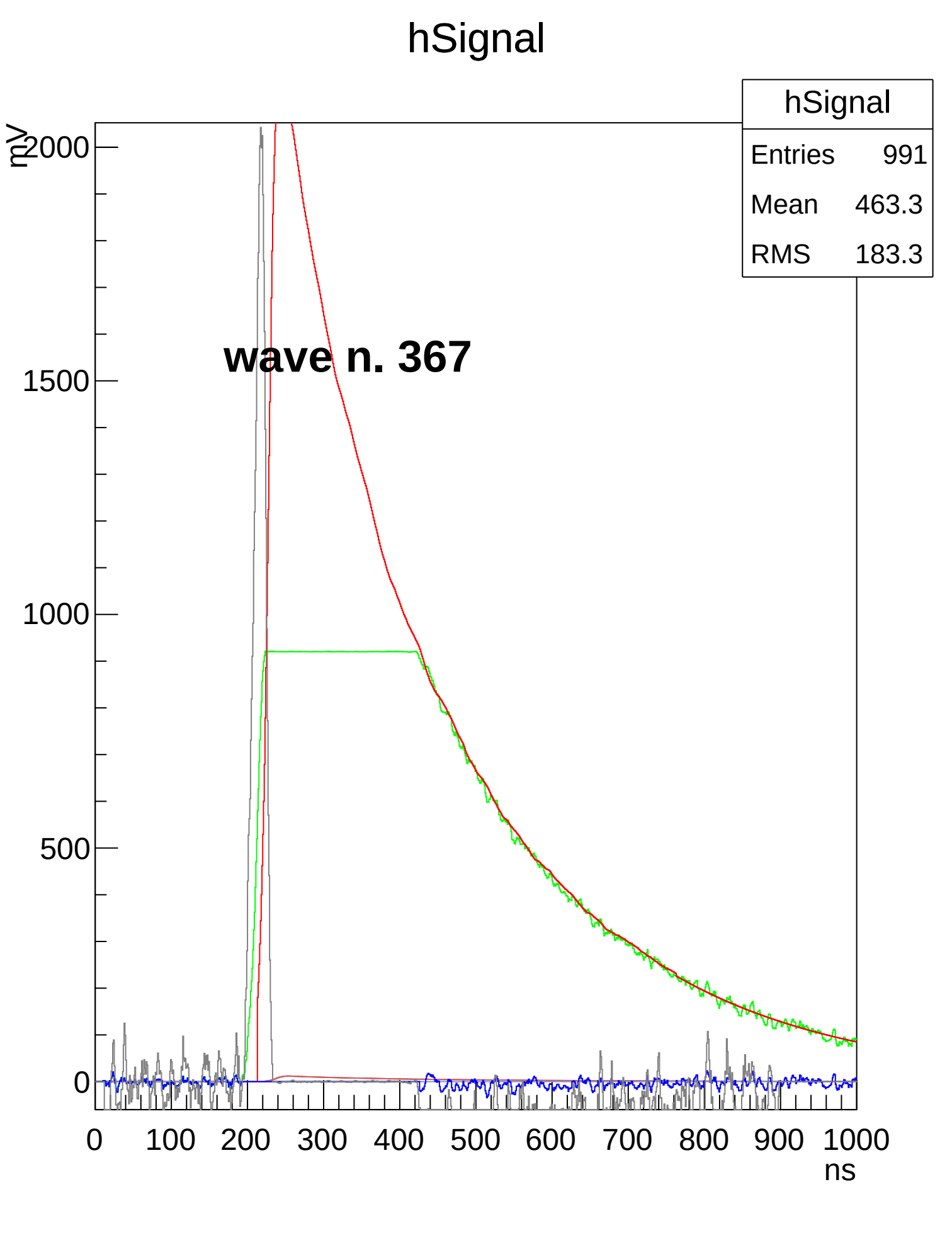

hSignal
hSignal
Entries 991
Mean 604.4
RMS 145.2
wave n. 362
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

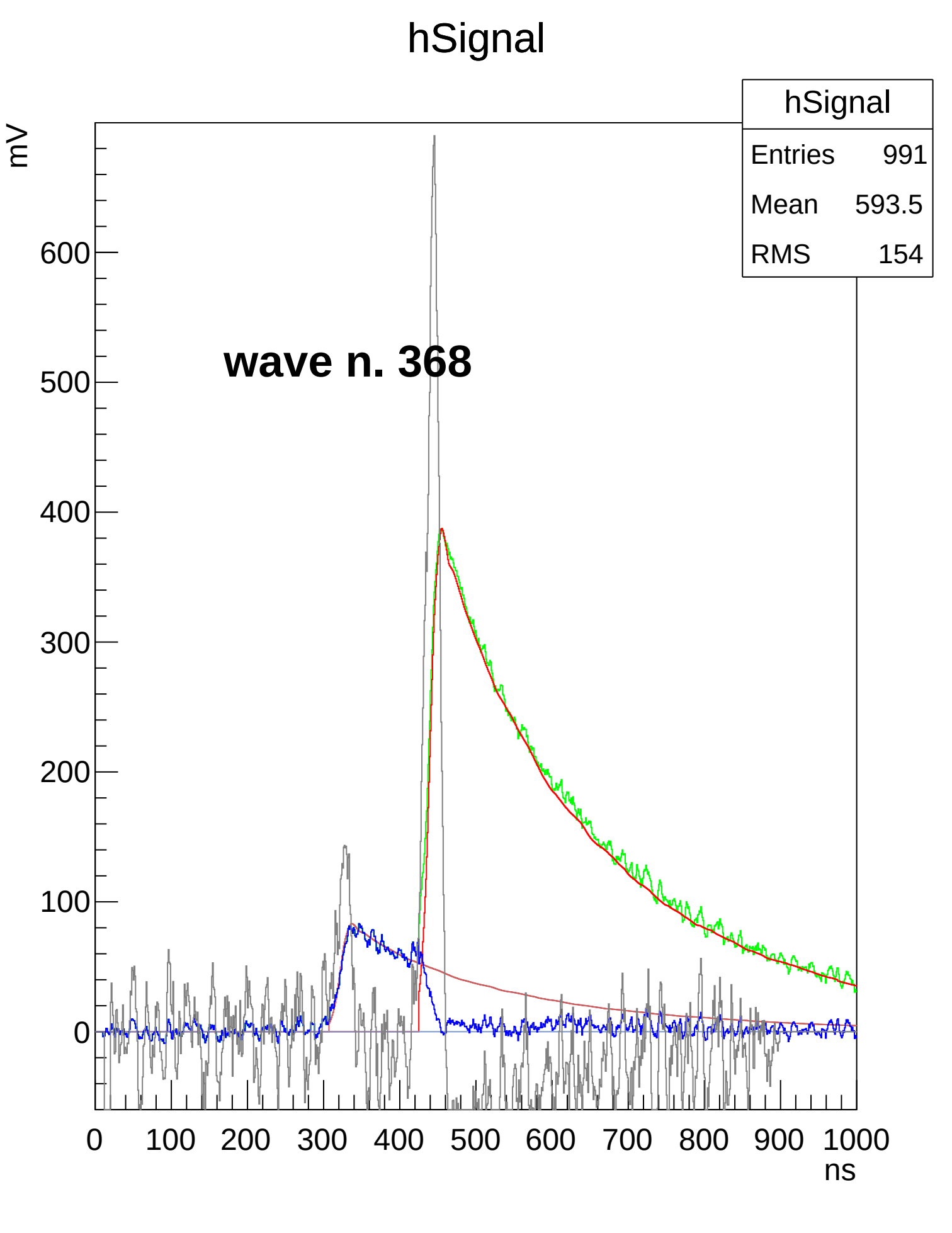

hSignal
hSignal
Entries 991
Mean 593.6
RMS 148.7
wave n. 363
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

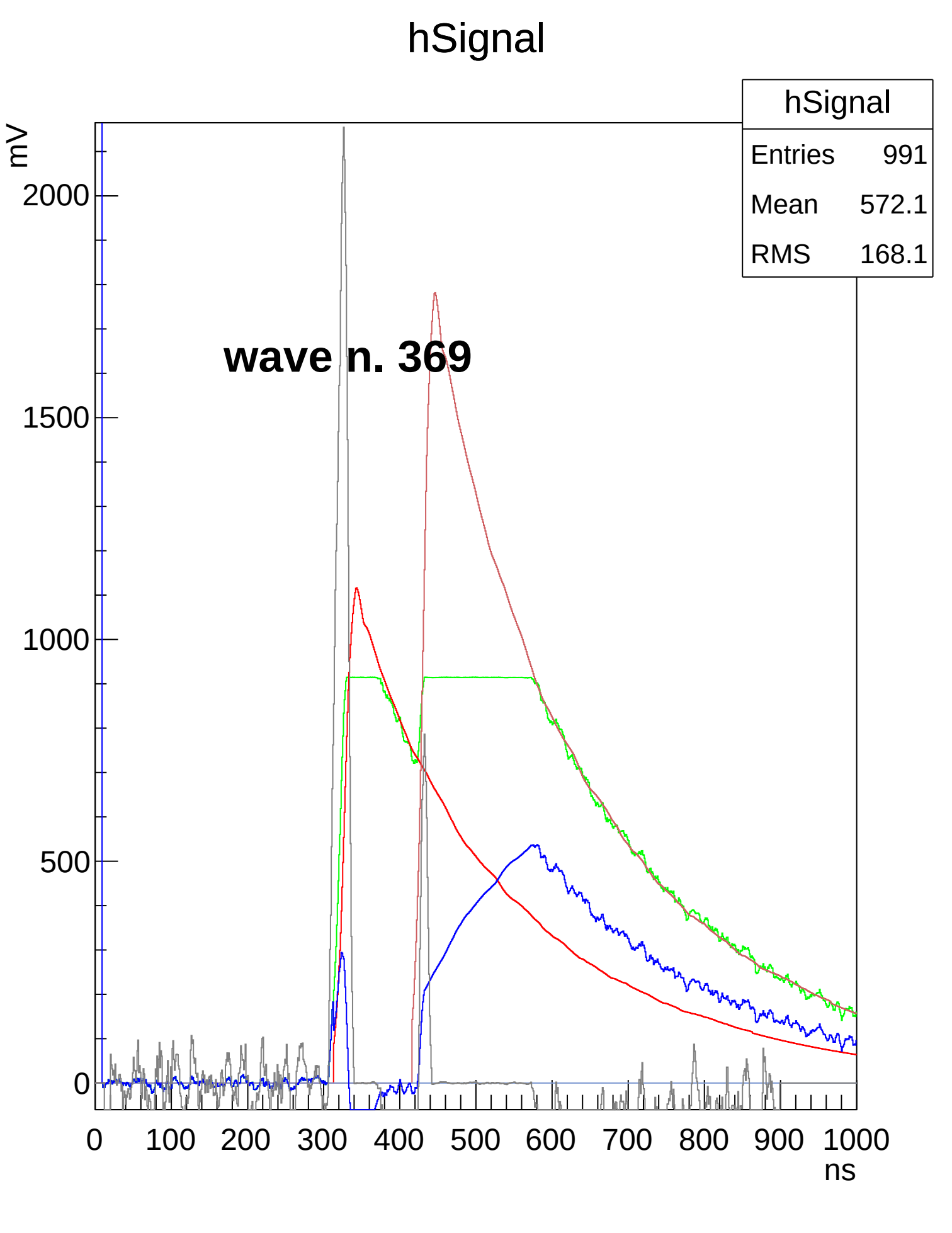

hSignal
hSignal
Entries 991
Mean 618.9
RMS 153.2
wave n. 364
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

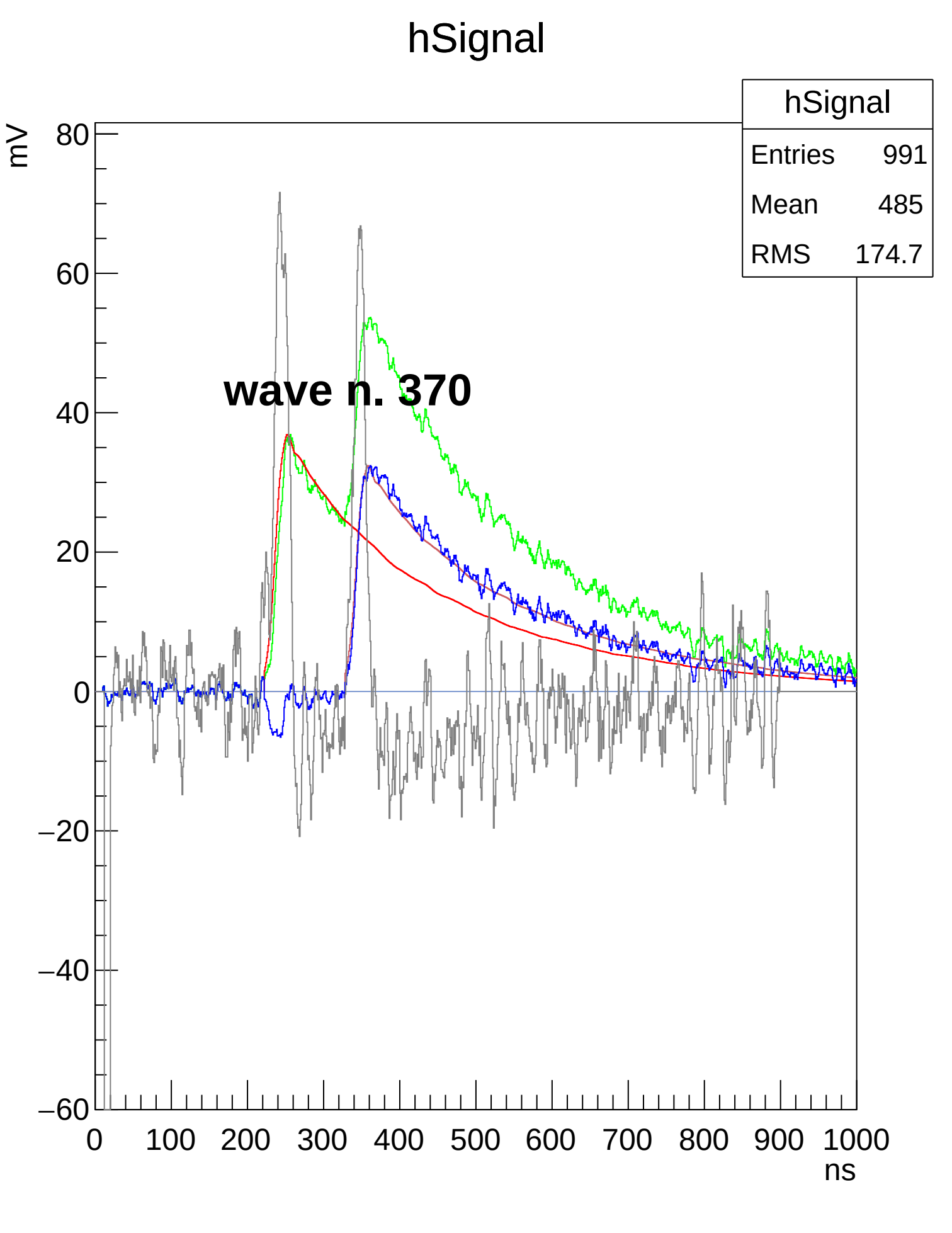

hSignal
hSignal
Entries 991
Mean 536.6
RMS 164.8
wave n. 365
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

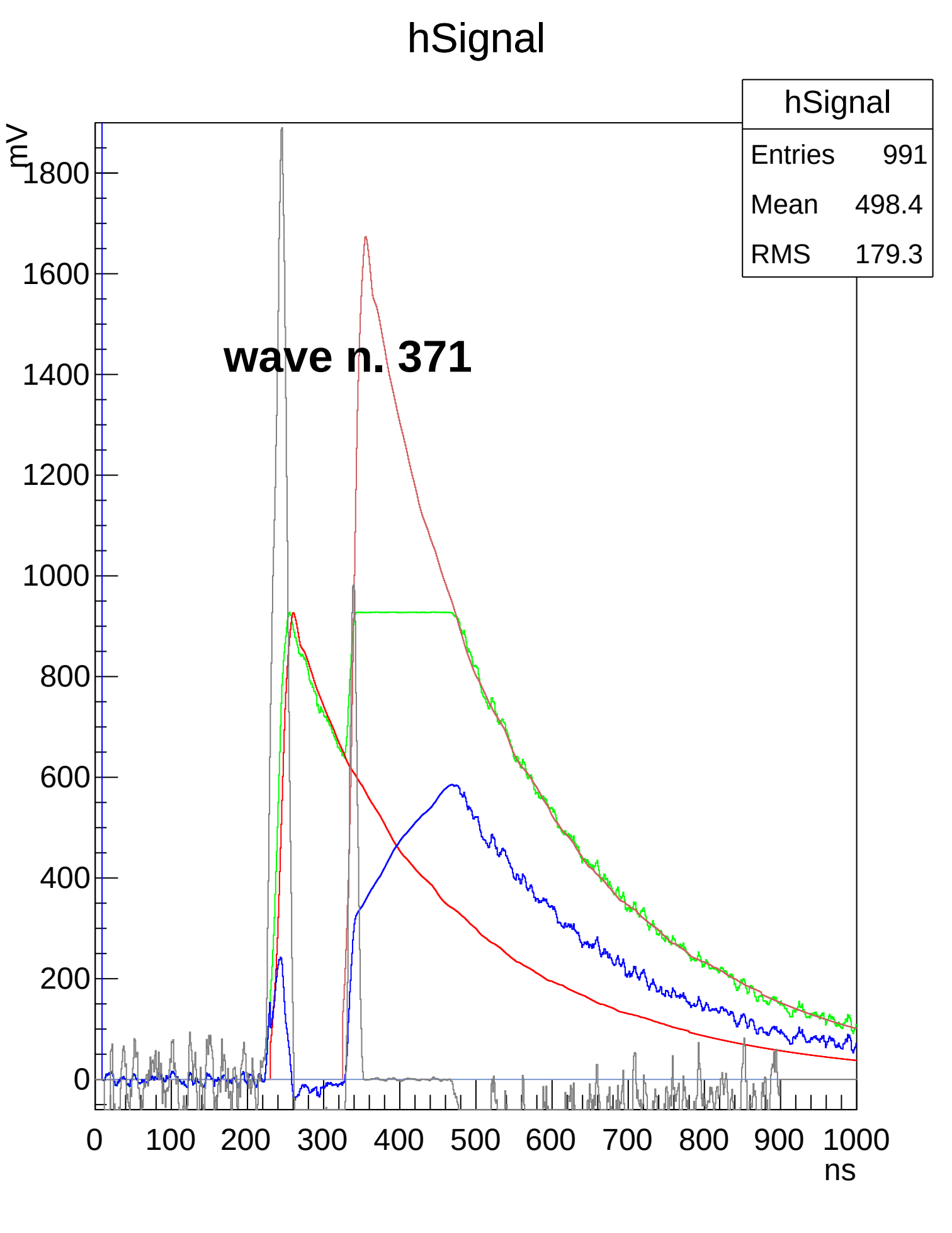

hSignal
hSignal
Entries 991
Mean 506.8
RMS 176
wave n. 366
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

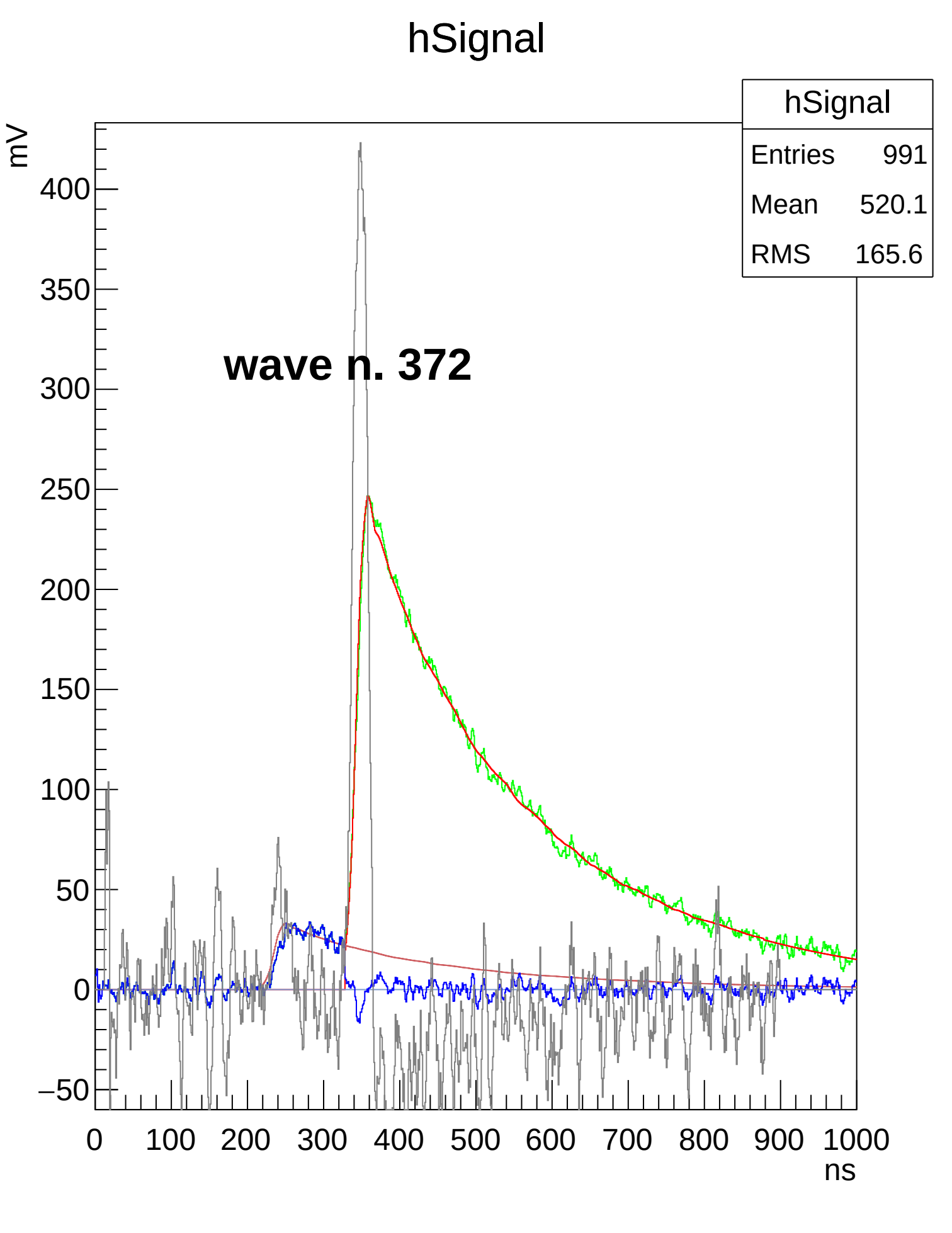

hSignal
hSignal
Entries 991
Mean 463.3
RMS 183.3
wave n. 367
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

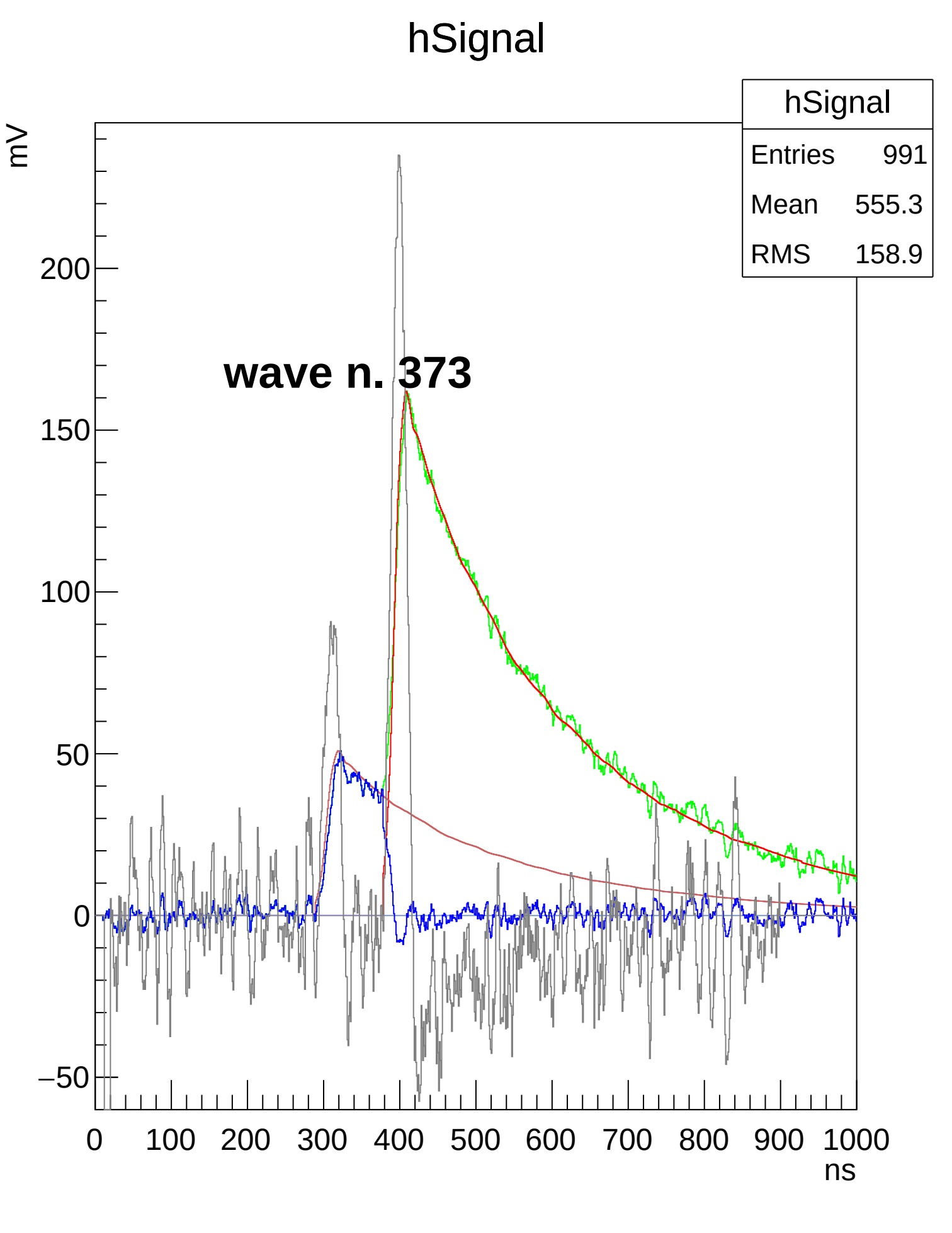

hSignal
hSignal
Entries 991
Mean 593.5
RMS 154
wave n. 368
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

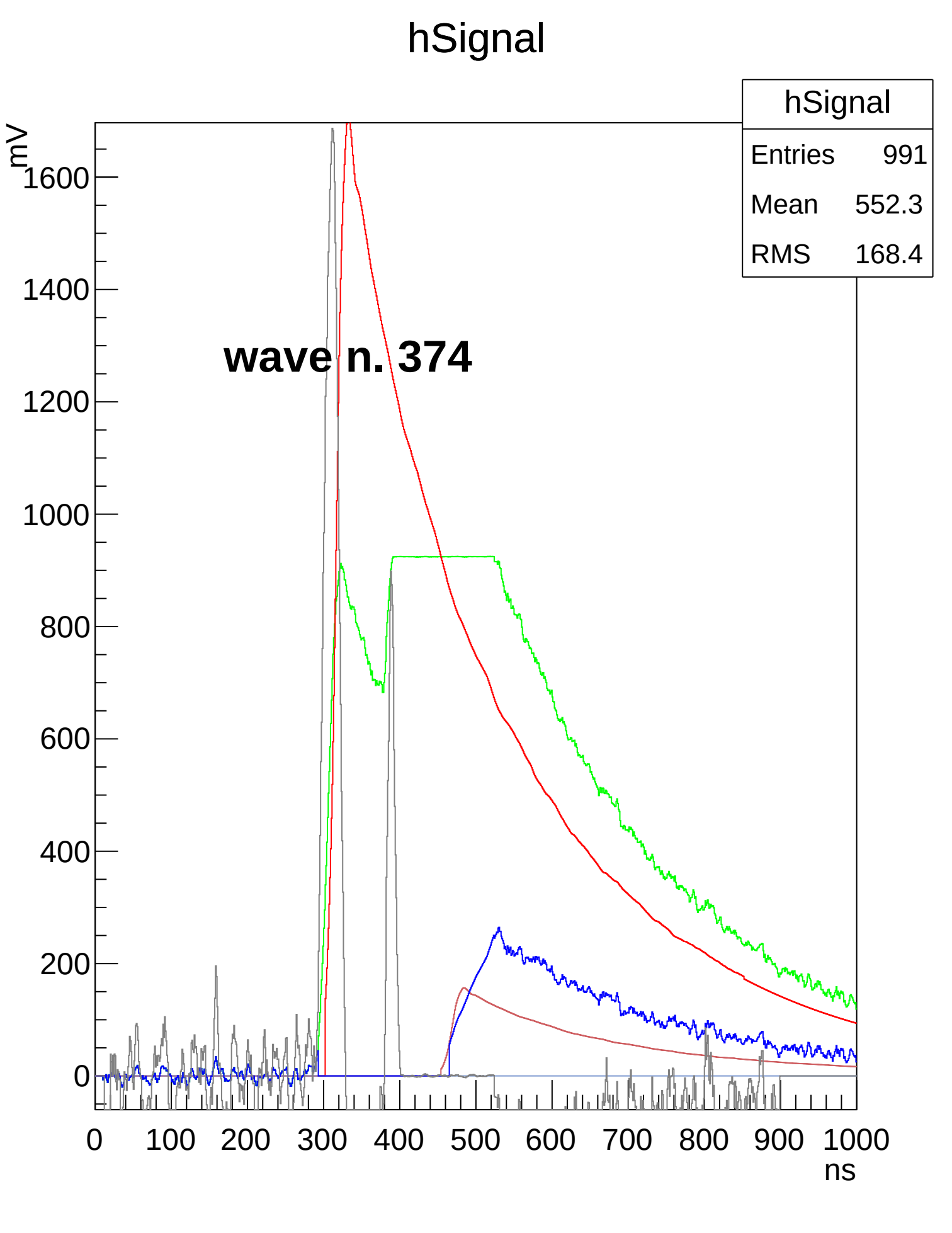

hSignal
hSignal
Entries 991
Mean 572.1
RMS 168.1
wave n. 369
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

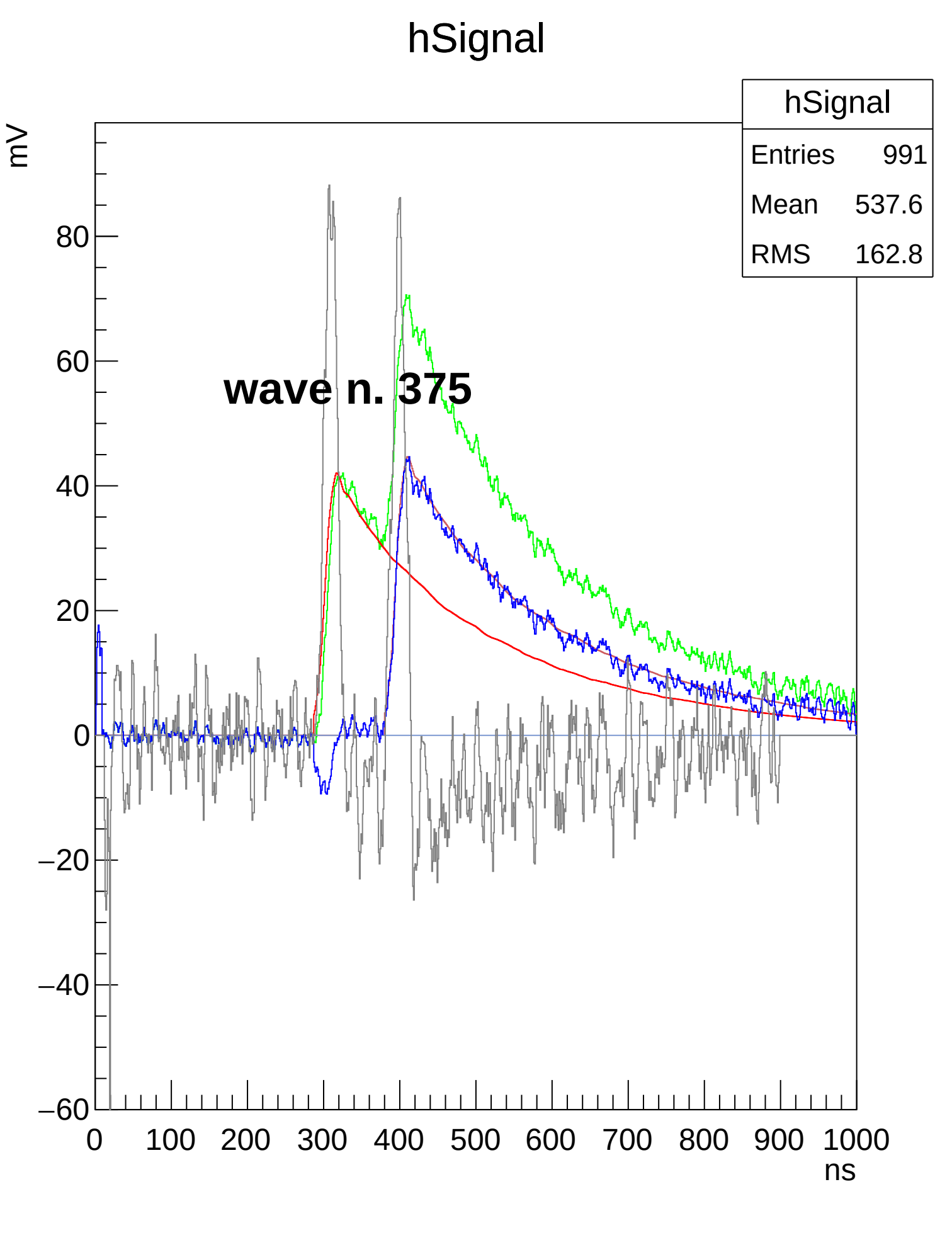

hSignal
hSignal
Entries 991
Mean 485
RMS 174.7
wave n. 370
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

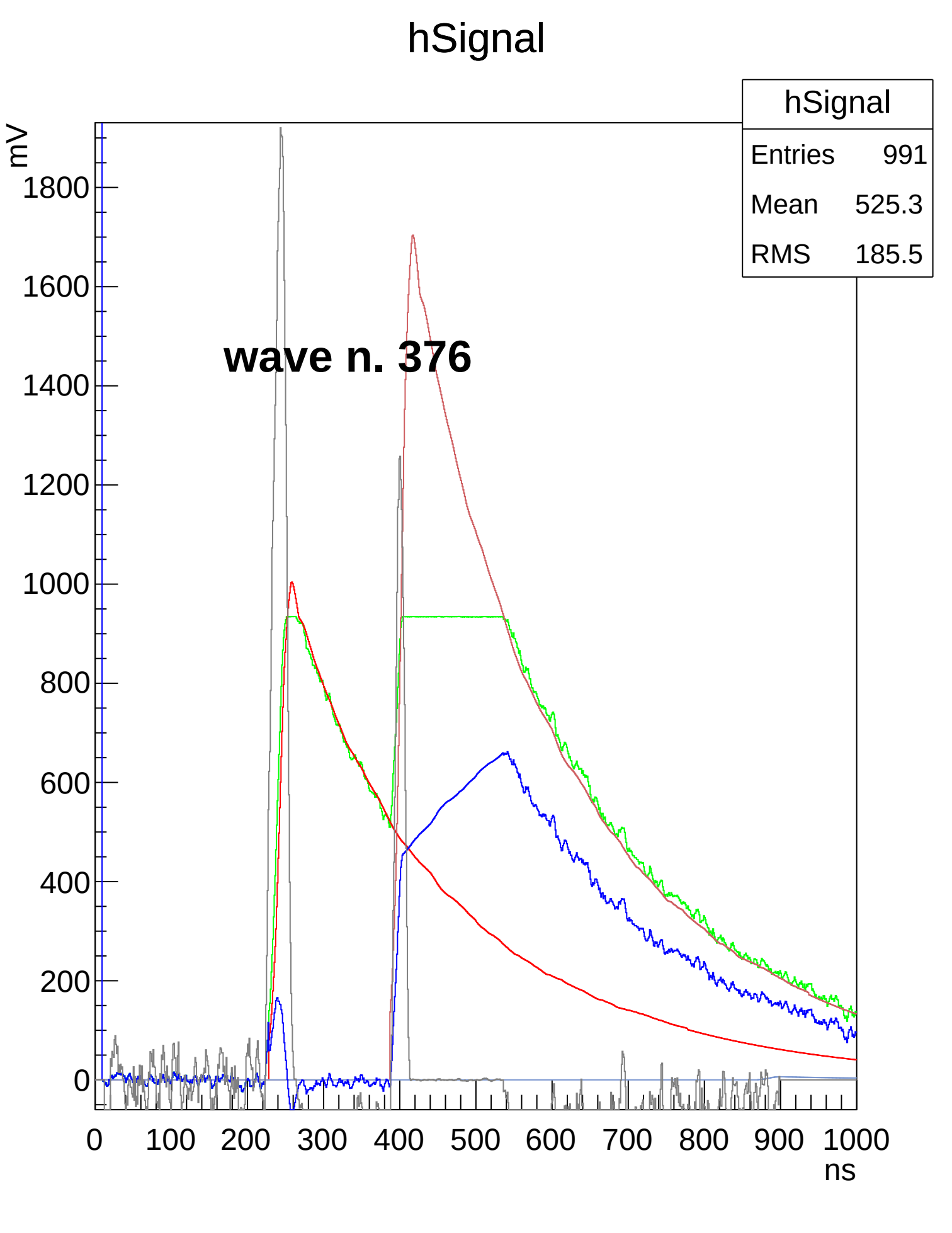

hSignal
hSignal
Entries 991
Mean 498.4
RMS 179.3
wave n. 371
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

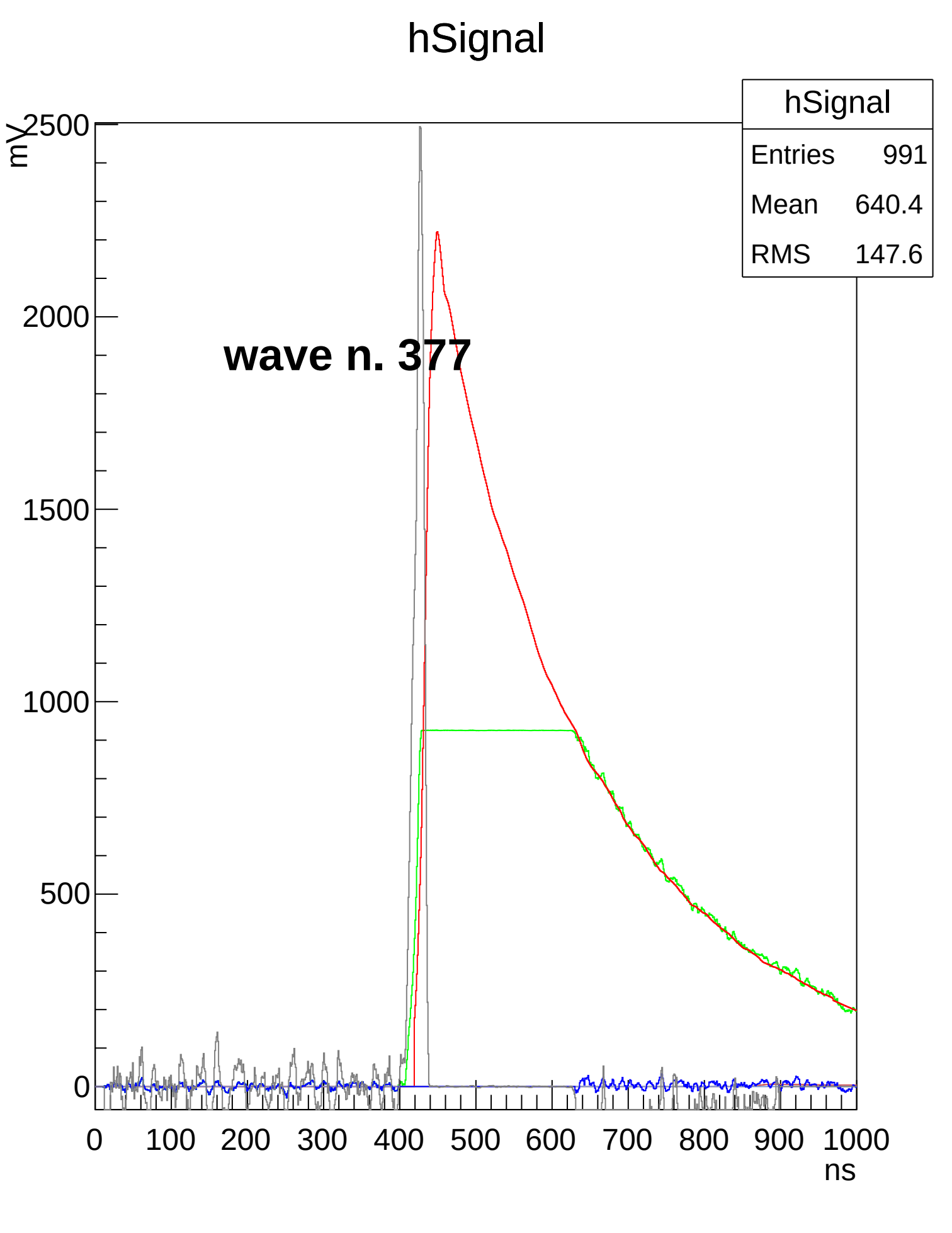

hSignal
hSignal
Entries 991
Mean 520.1
RMS 165.6
wave n. 372
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

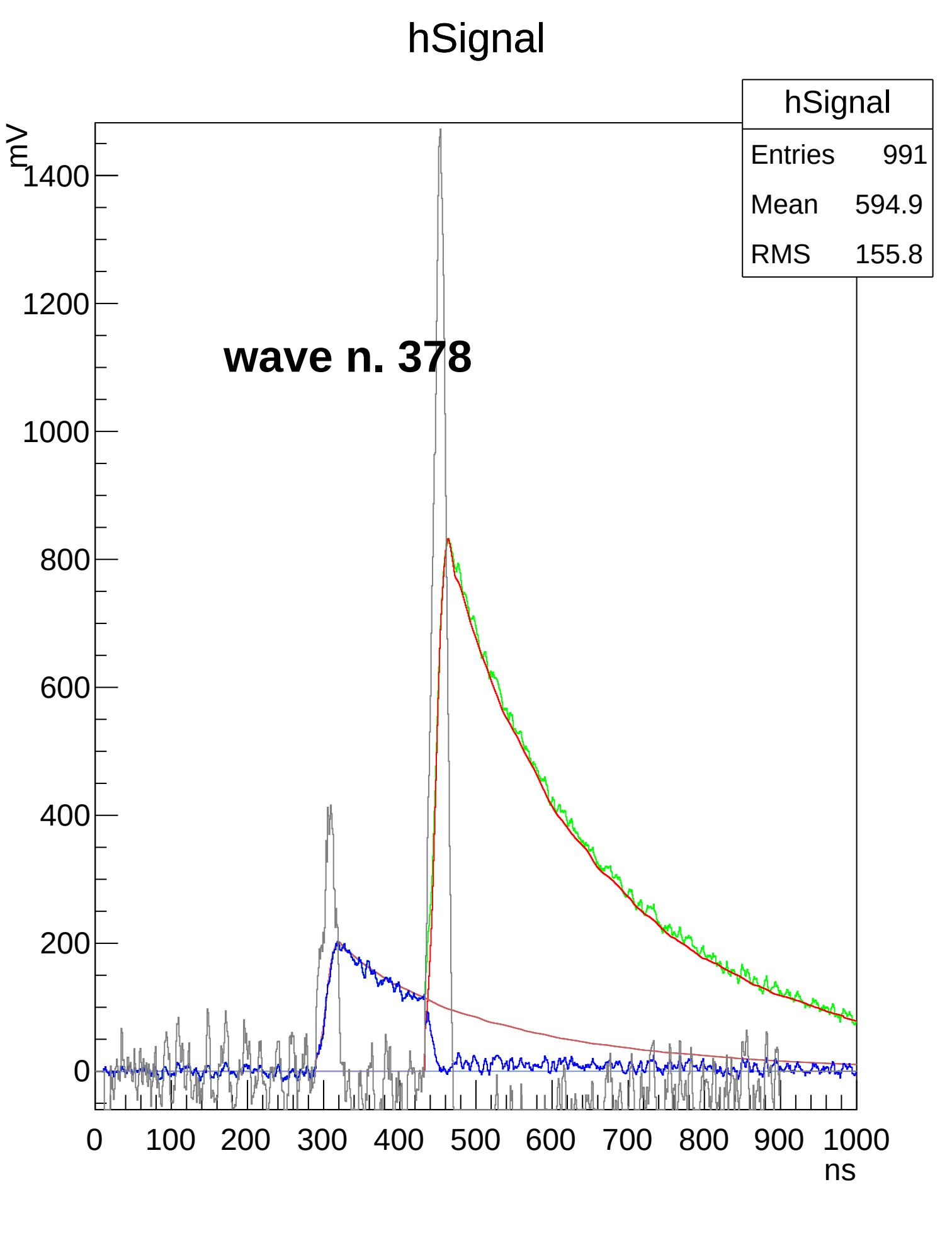

hSignal
hSignal
Entries 991
Mean 555.3
RMS 158.9
wave n. 373
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

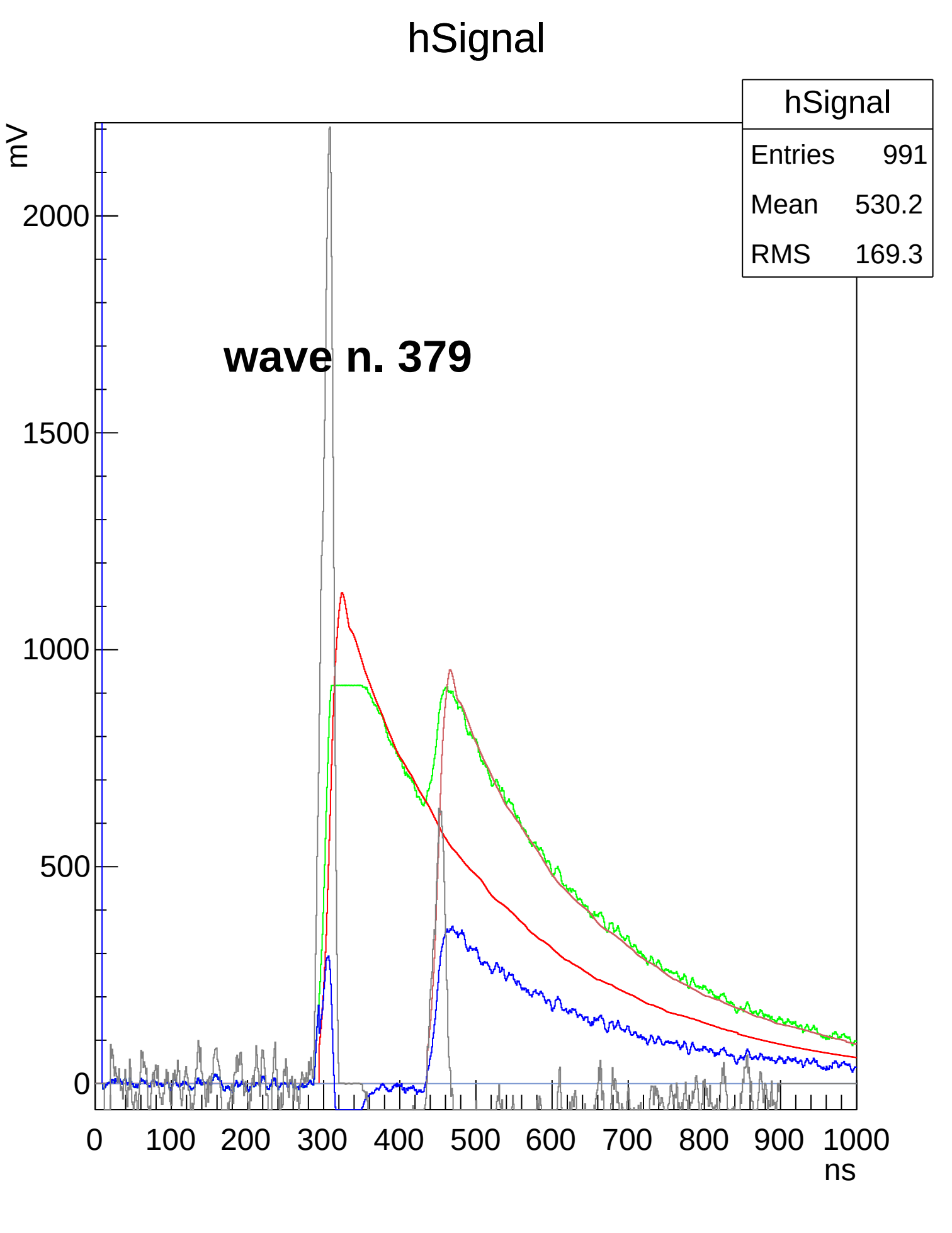

hSignal
hSignal
Entries 991
Mean 552.3
RMS 168.4
wave n. 374
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

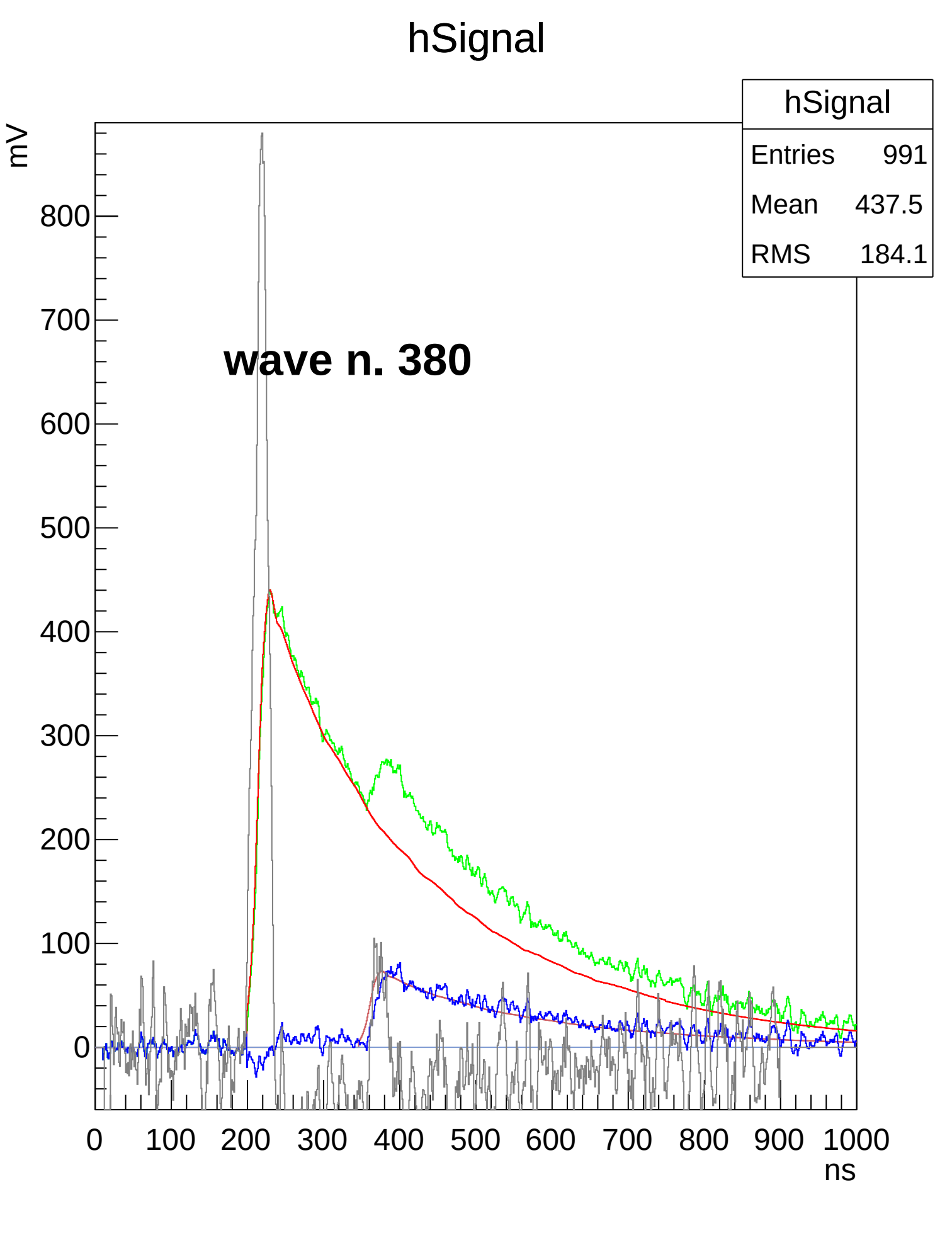

hSignal
hSignal
Entries 991
Mean 537.6
RMS 162.8
wave n. 375
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

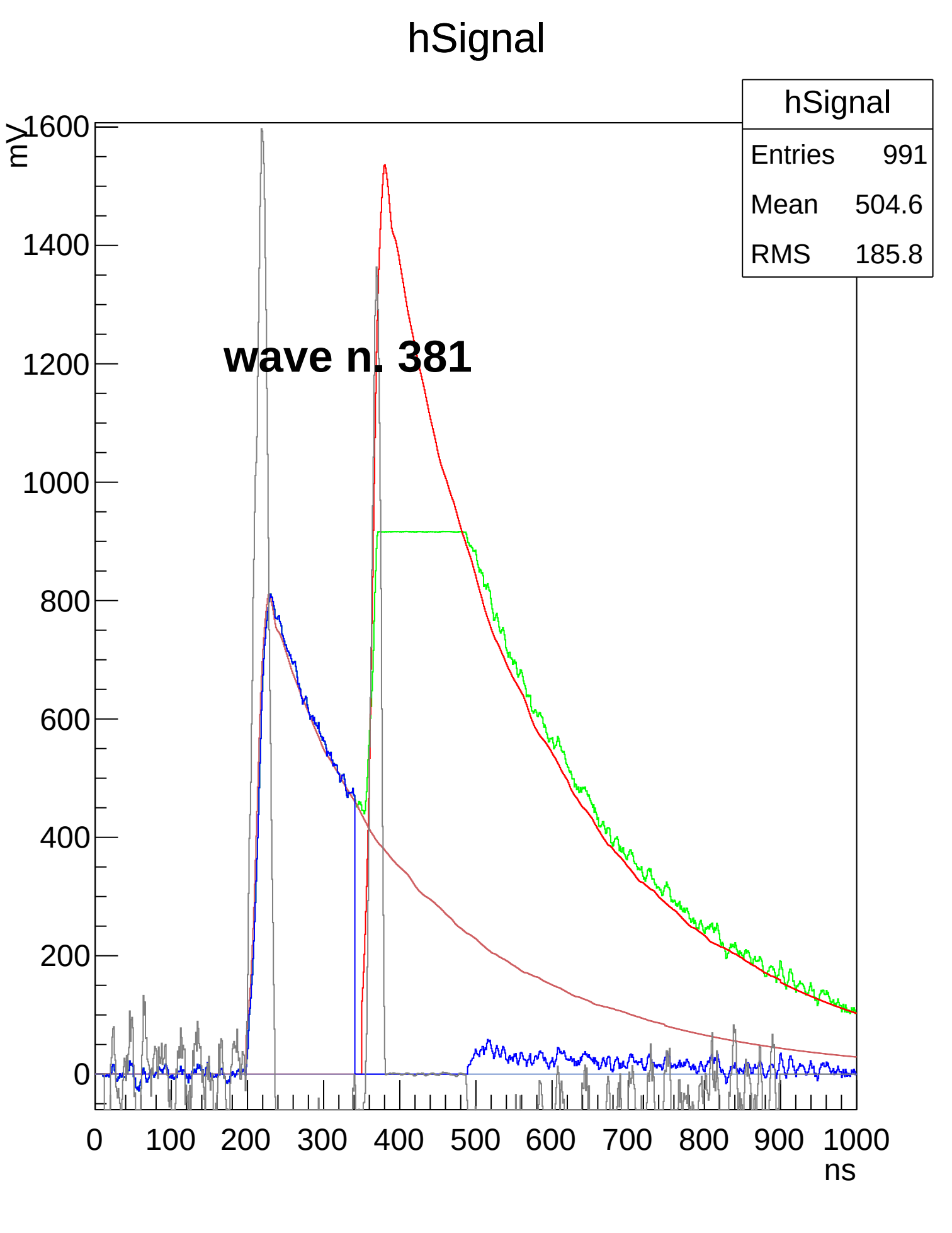

hSignal
hSignal
Entries 991
Mean 525.3
RMS 185.5
wave n. 376
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

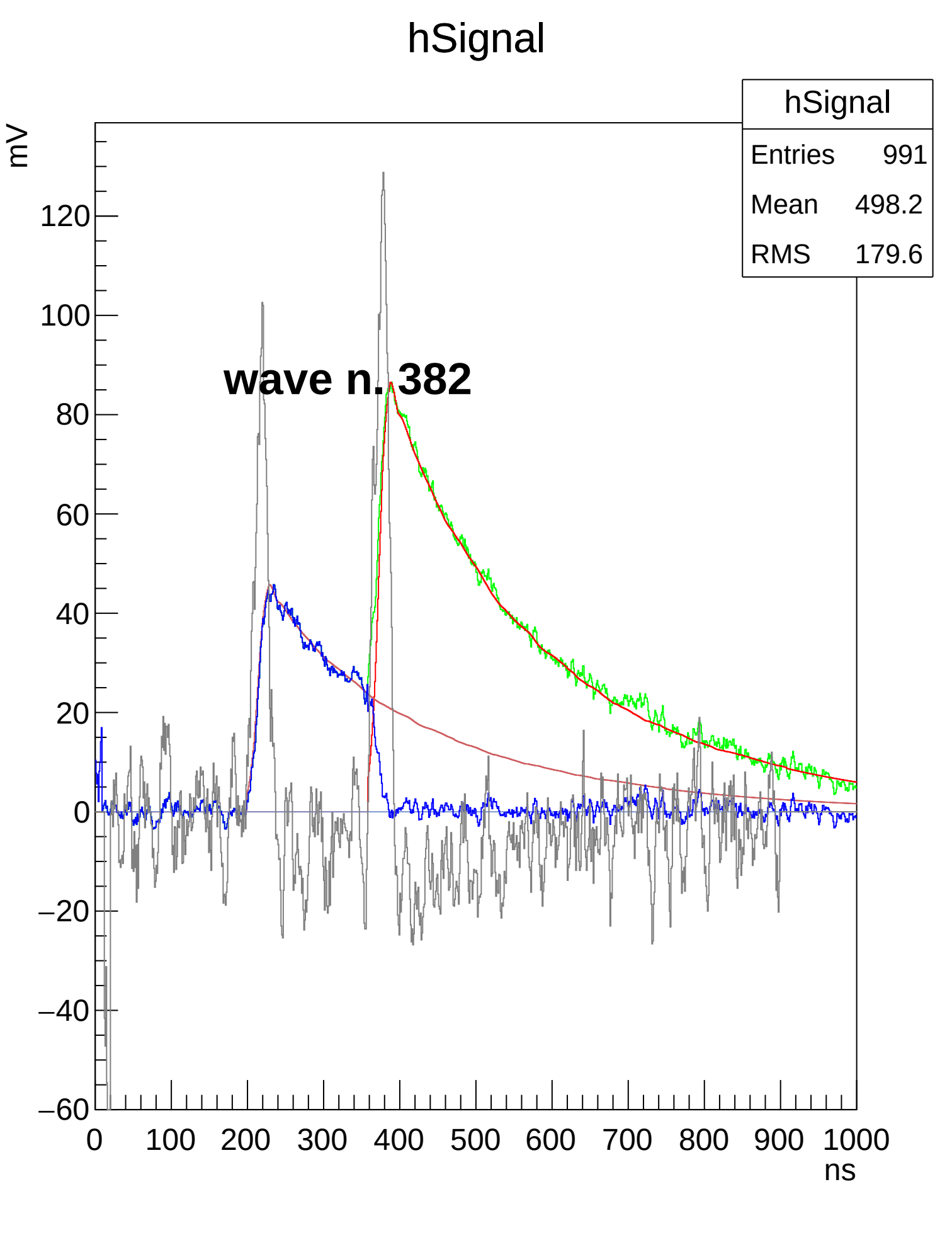

hSignal
hSignal
Entries 991
Mean 640.4
RMS 147.6
wave n. 377
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

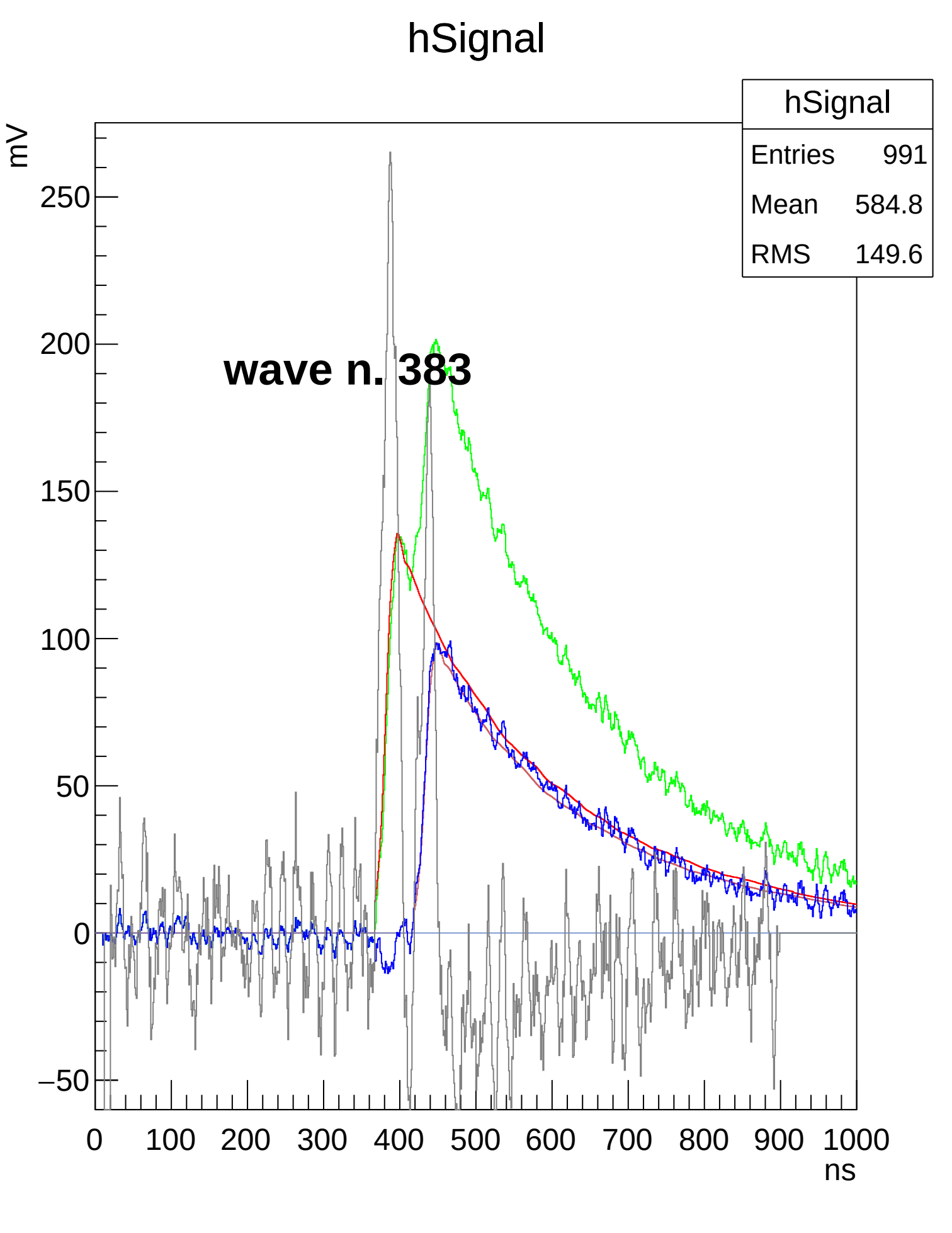

hSignal
hSignal
Entries 991
Mean 594.9
RMS 155.8
wave n. 378
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

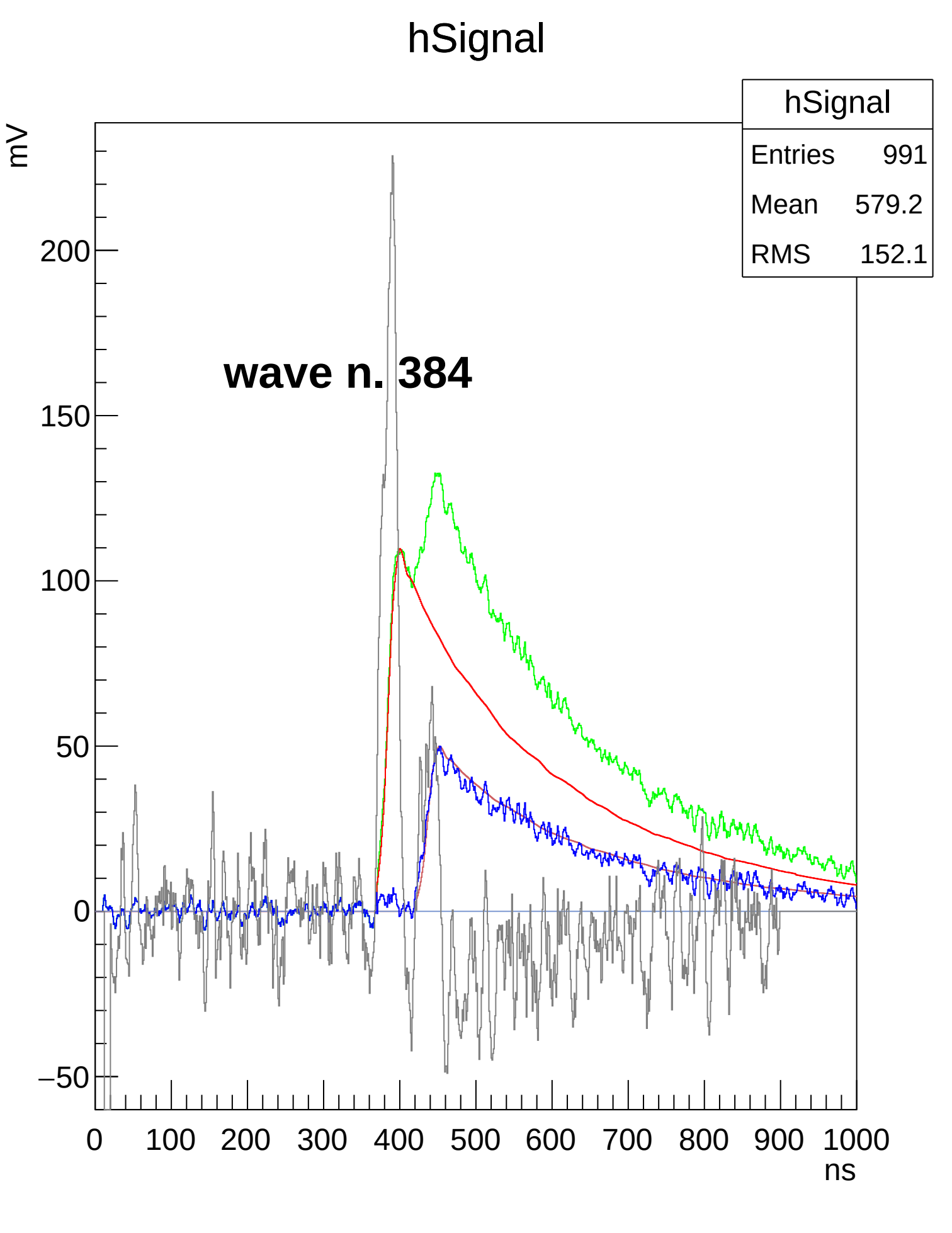

hSignal
hSignal
Entries 991
Mean 530.2
RMS 169.3
wave n. 379
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

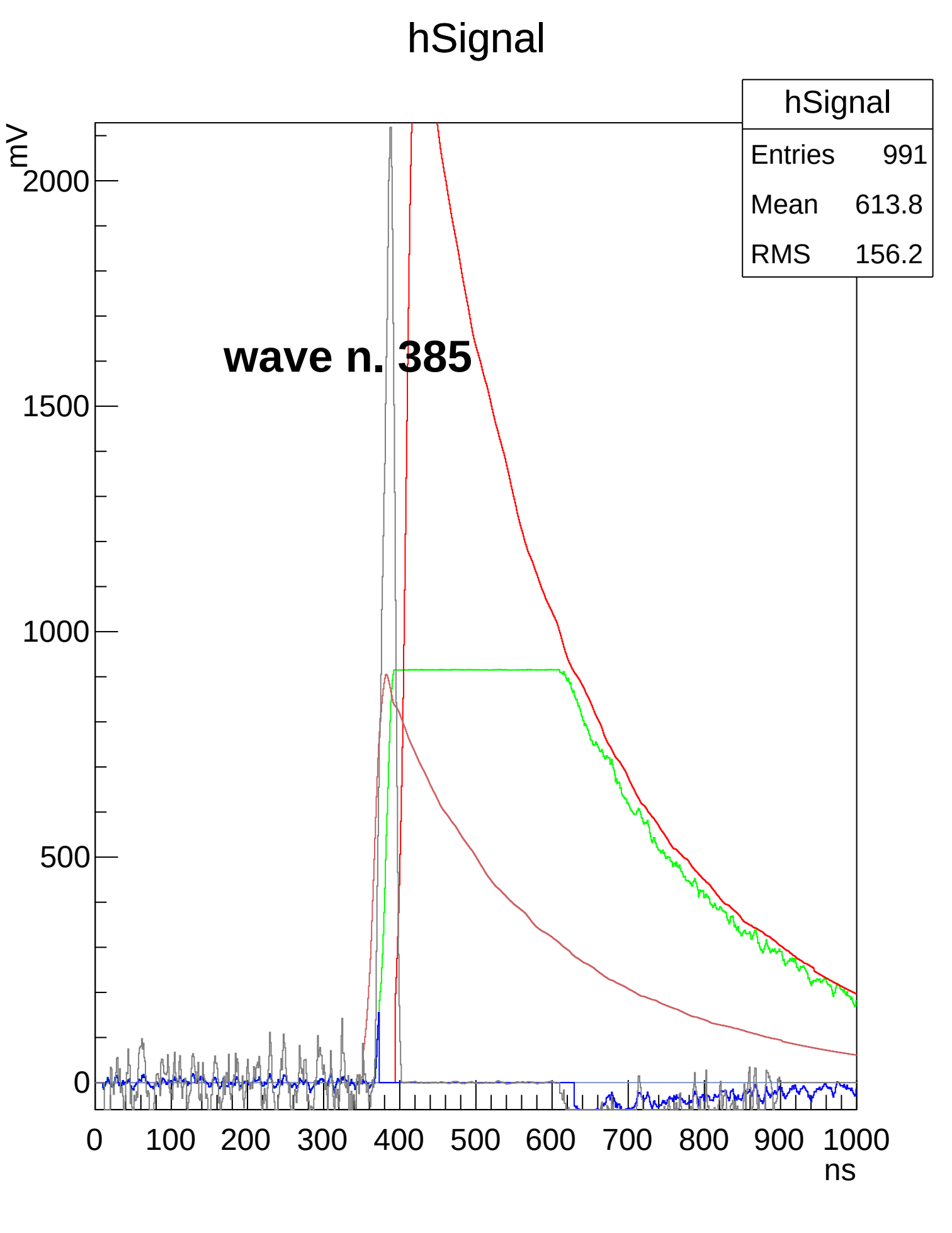

hSignal
hSignal
Entries 991
Mean 437.5
RMS 184.1
wave n. 380
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

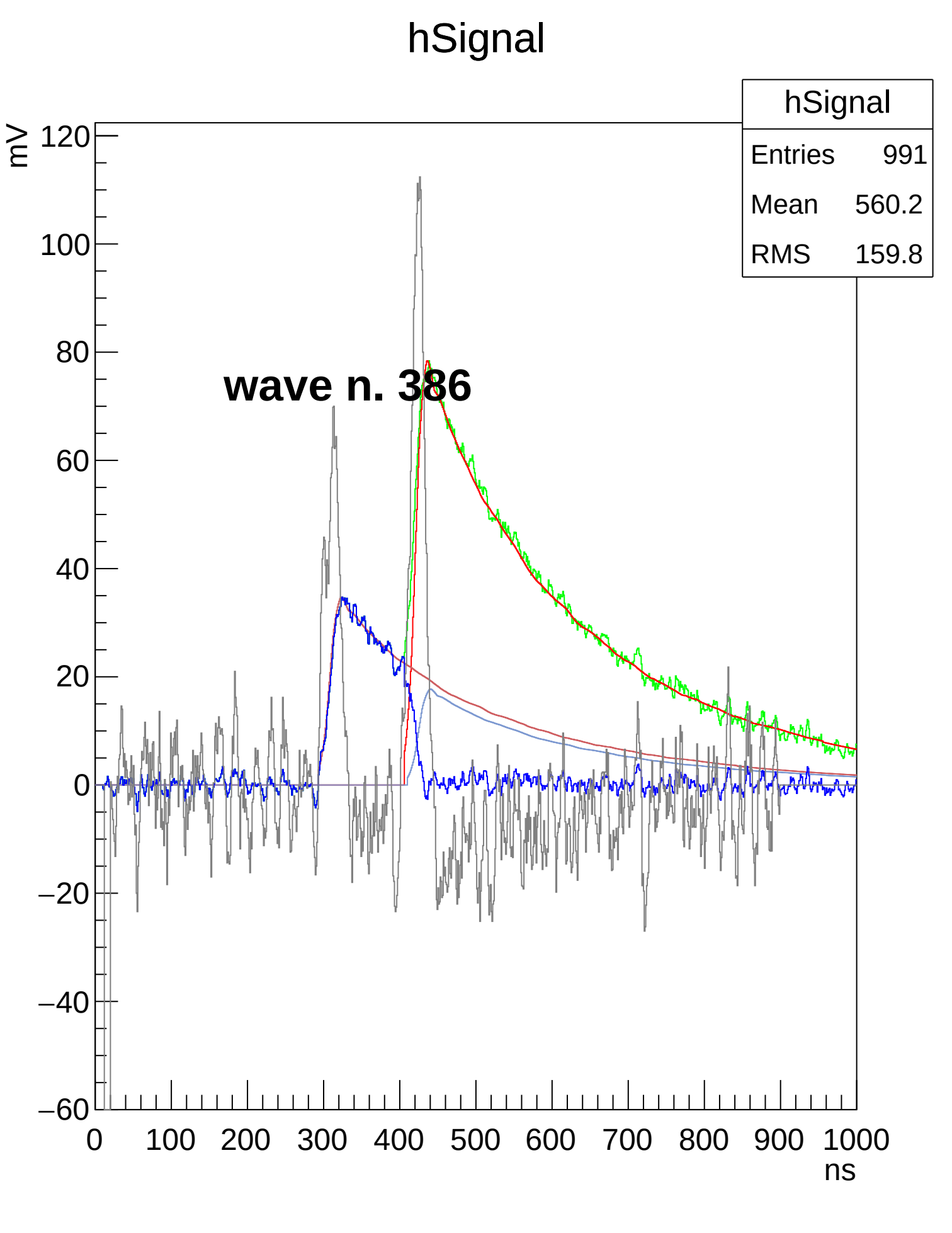

hSignal
hSignal
Entries 991
Mean 504.6
RMS 185.8
wave n. 381
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

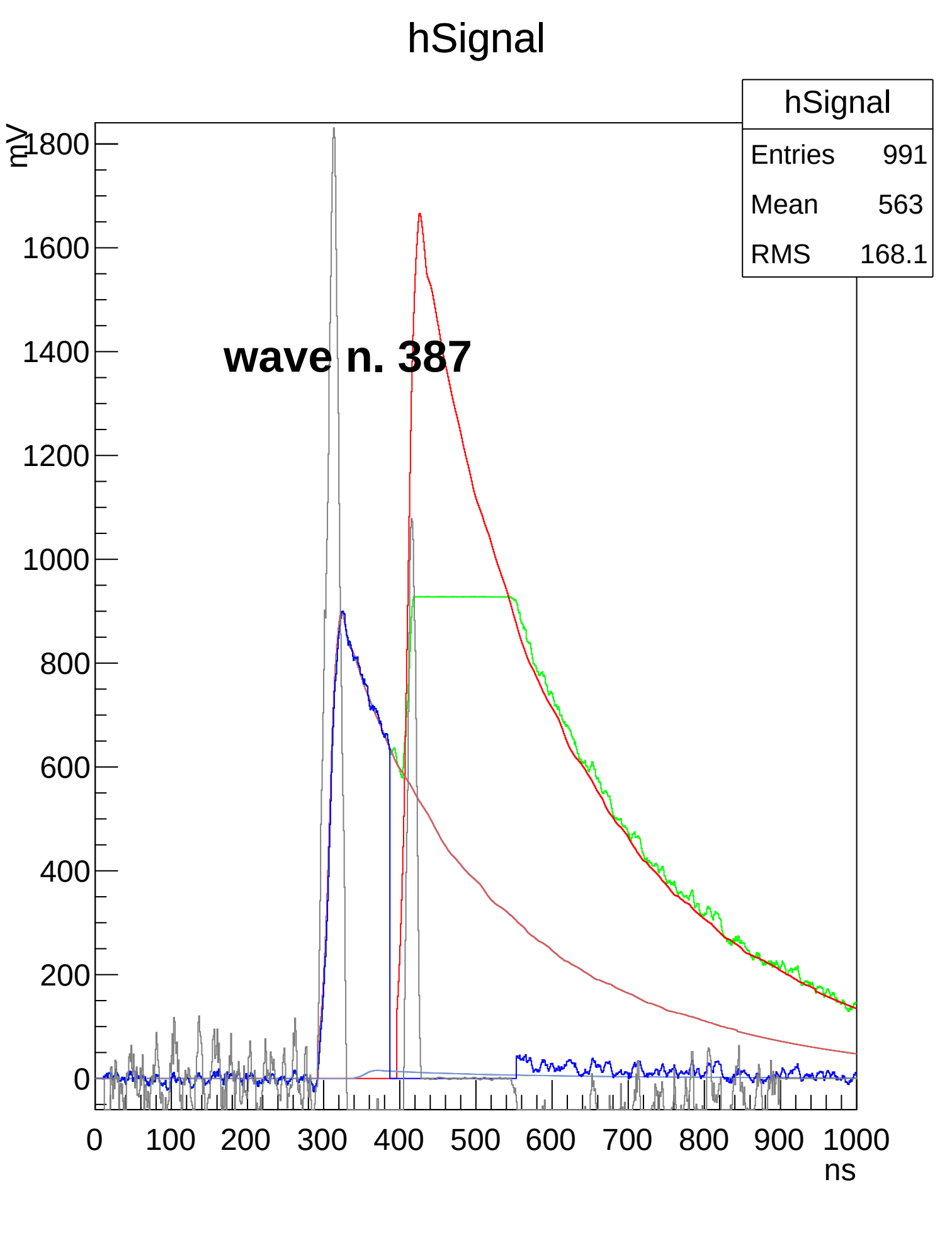

hSignal
hSignal
Entries 991
Mean 498.2
RMS 179.6
wave n. 382
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

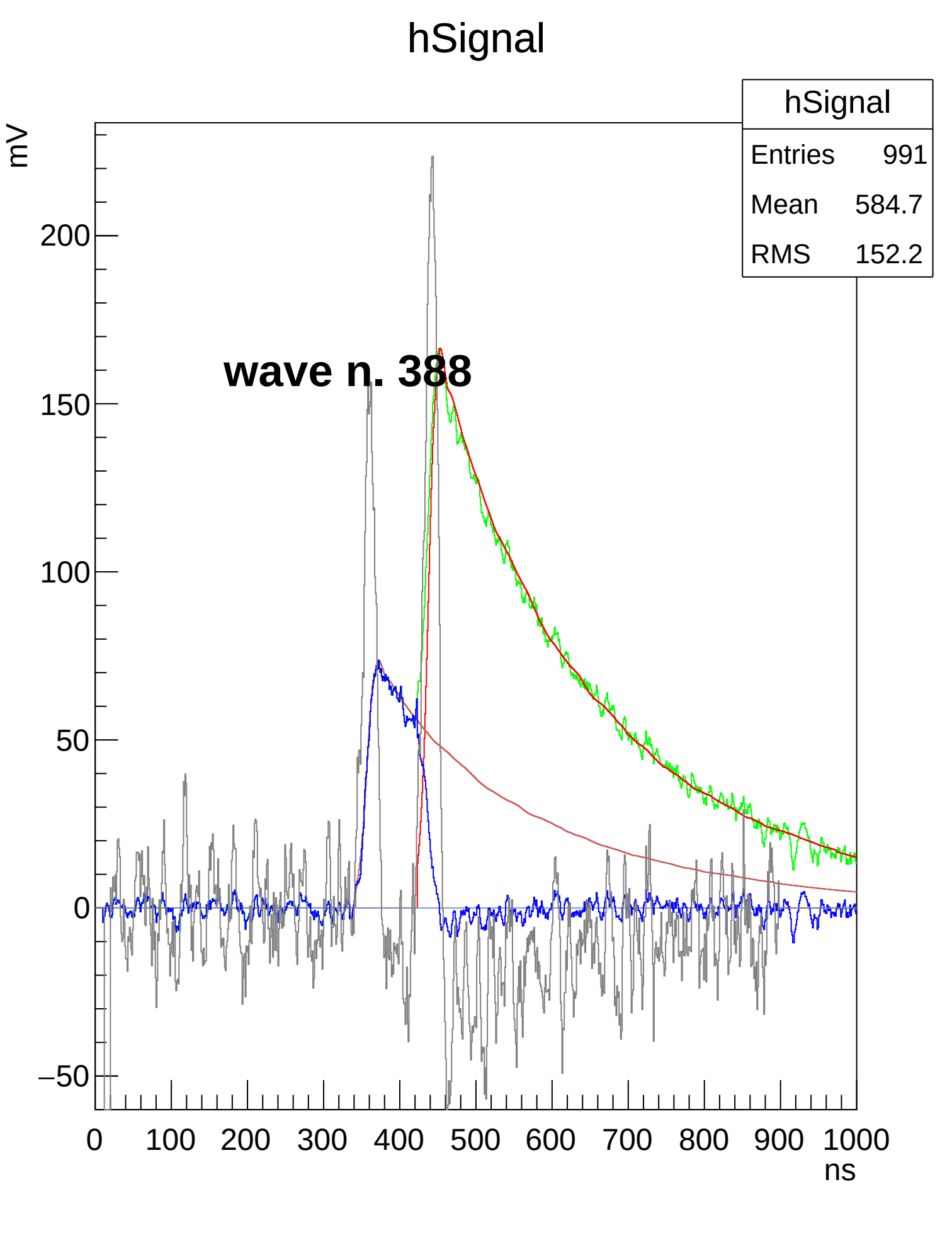

hSignal
hSignal
Entries 991
Mean 584.8
RMS 149.6
wave n. 383
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

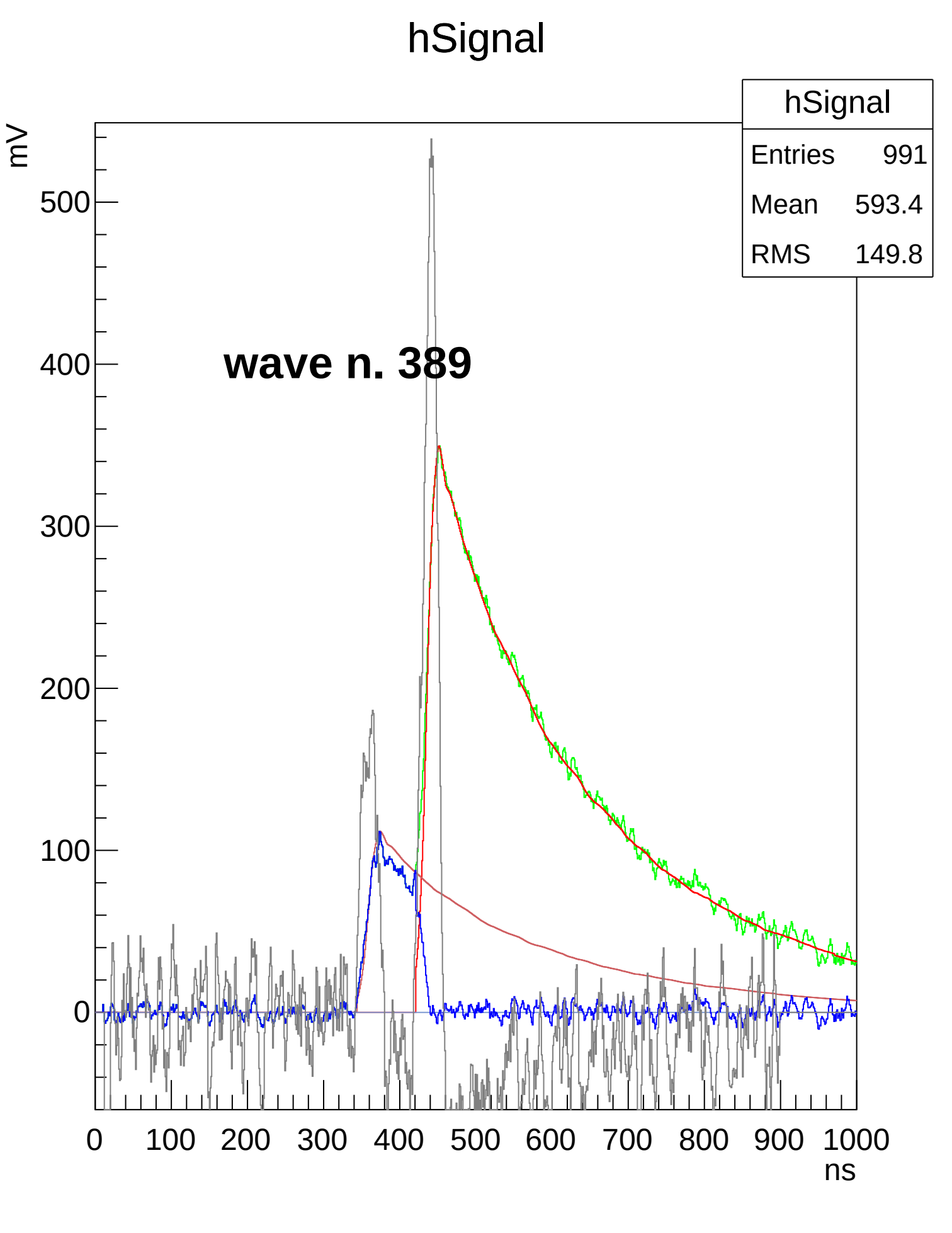

hSignal
hSignal
Entries 991
Mean 579.2
RMS 152.1
wave n. 384
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

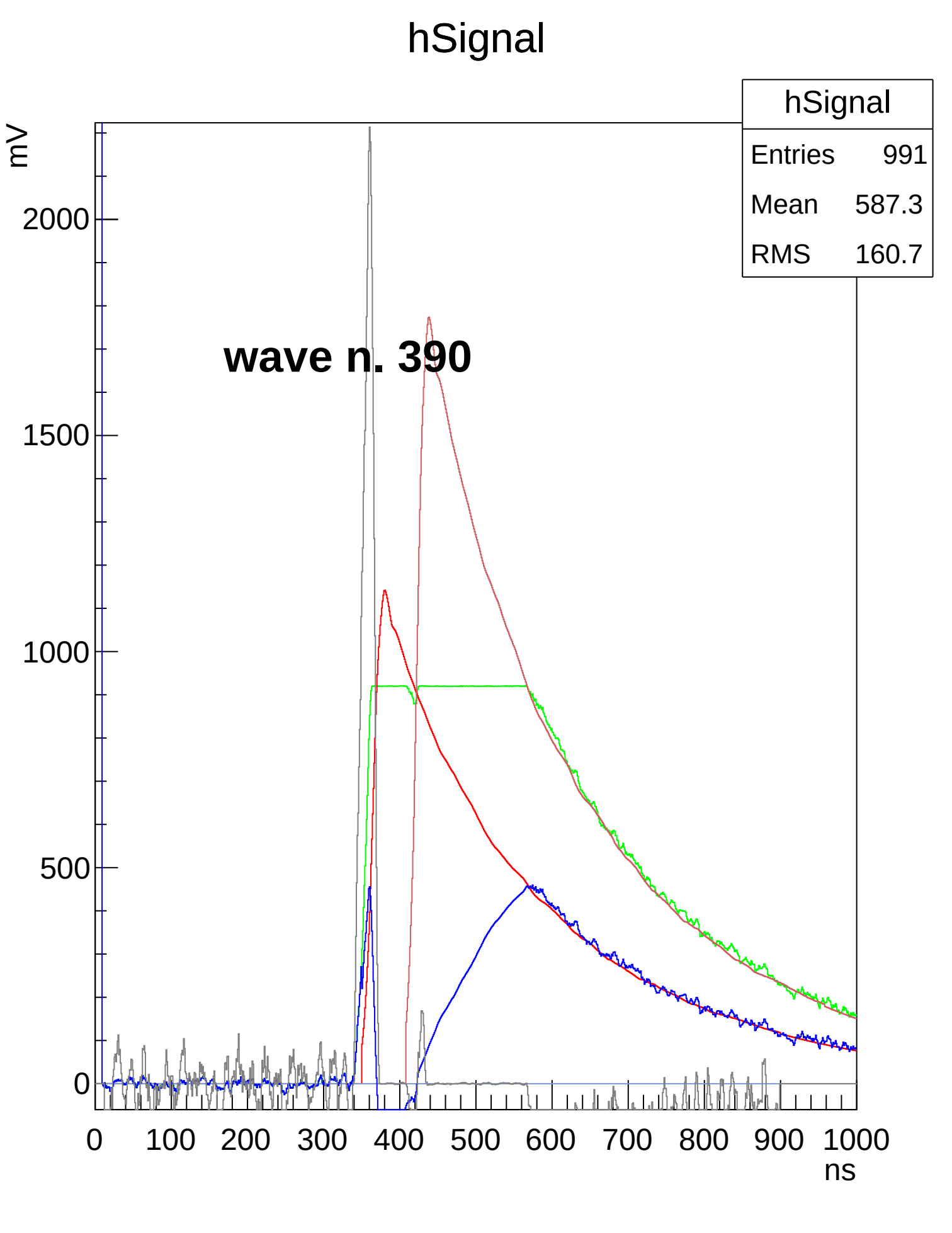

hSignal
hSignal
Entries 991
Mean 613.8
RMS 156.2
wave n. 385
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

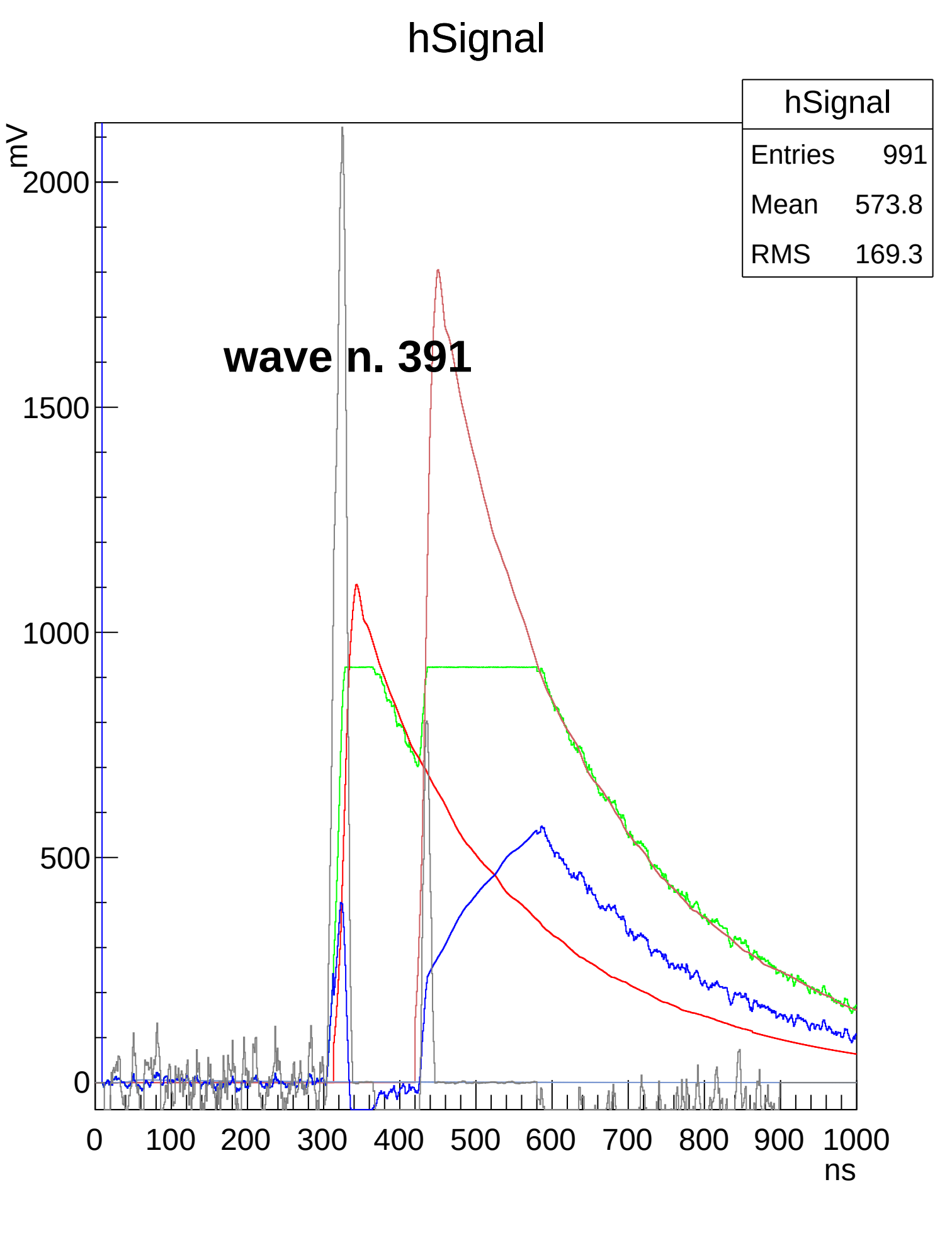

hSignal
hSignal
Entries 991
Mean 560.2
RMS 159.8
wave n. 386
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

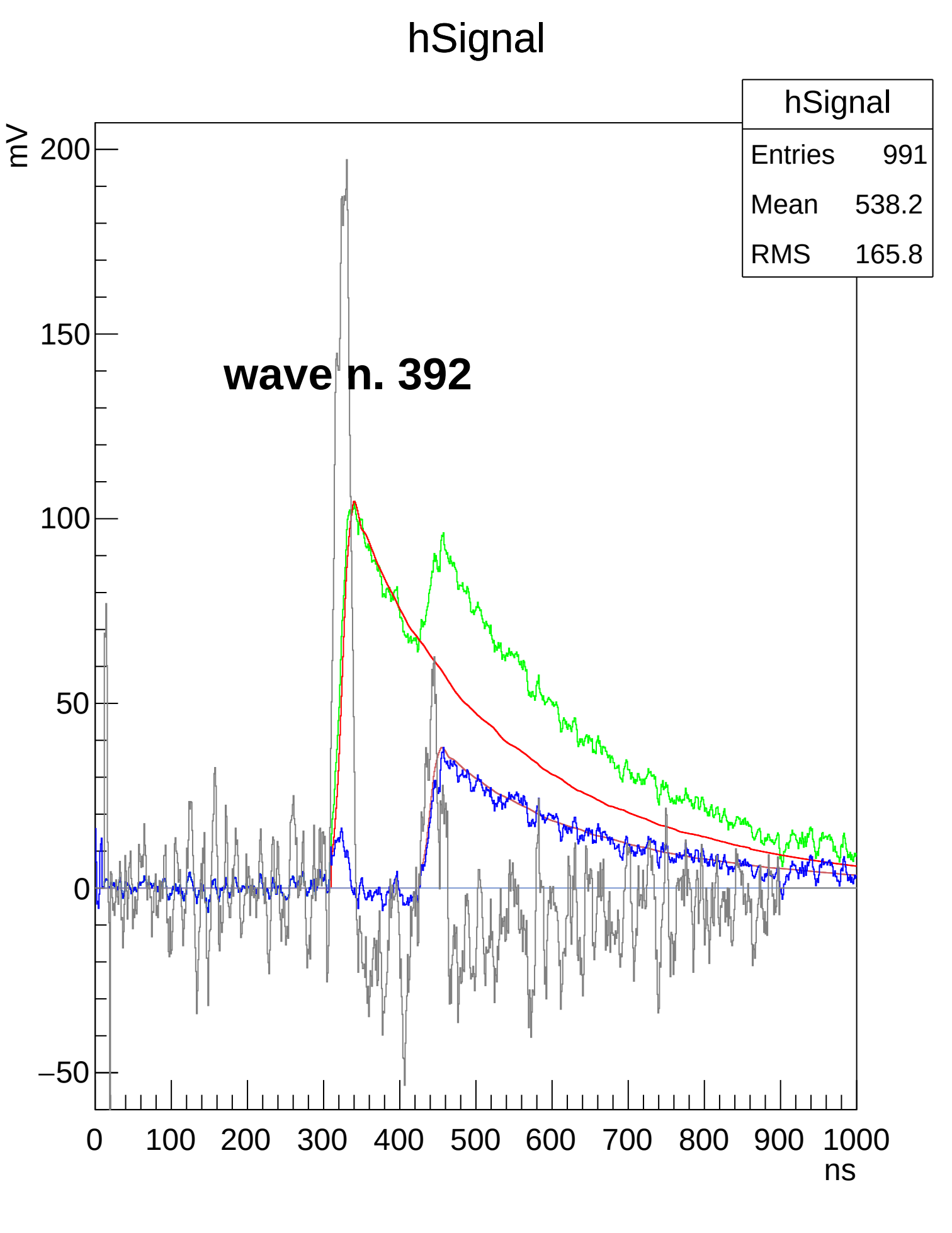

hSignal
hSignal
Entries 991
Mean 563
RMS 168.1
wave n. 387
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

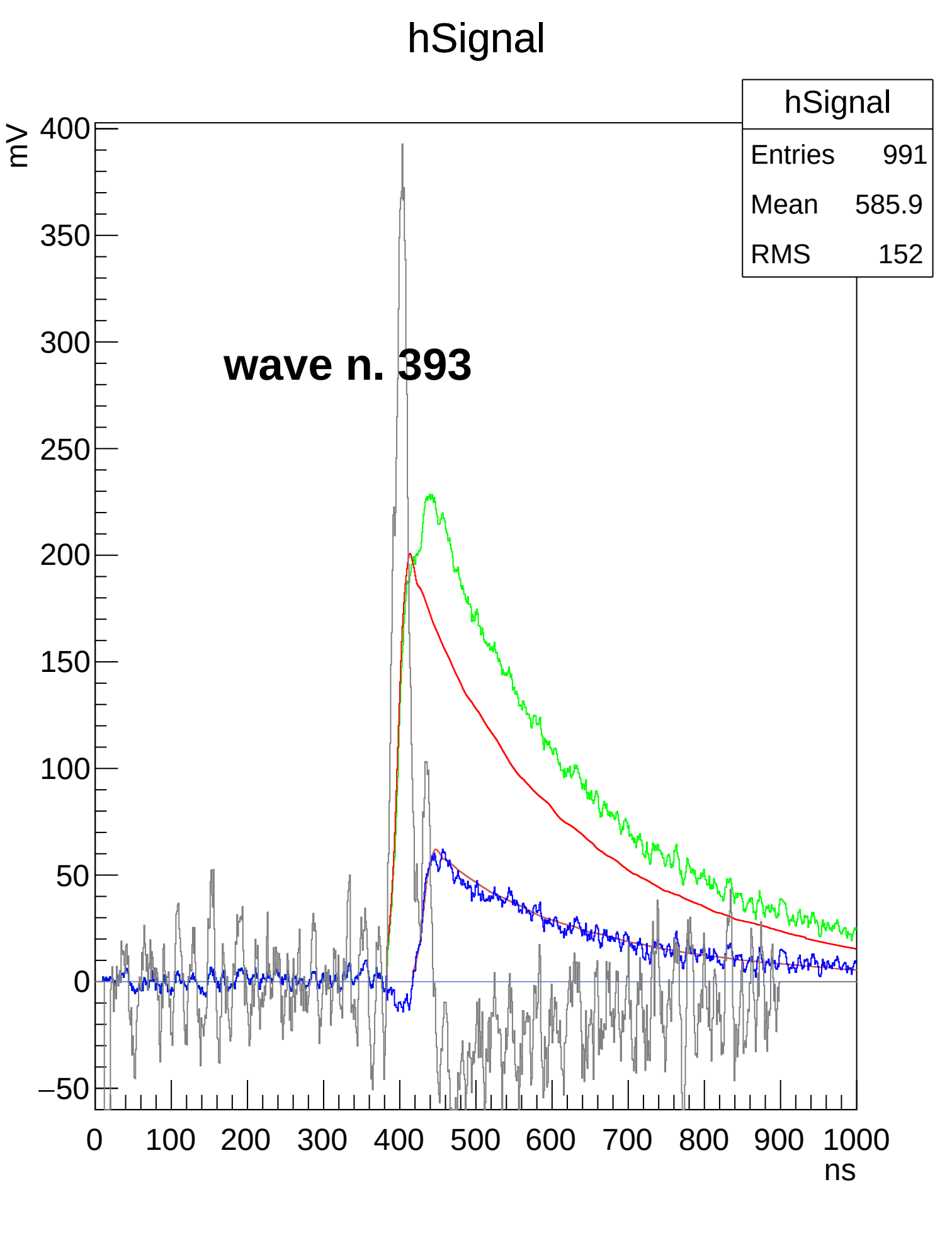

hSignal
hSignal
Entries 991
Mean 584.7
RMS 152.2
wave n. 388
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

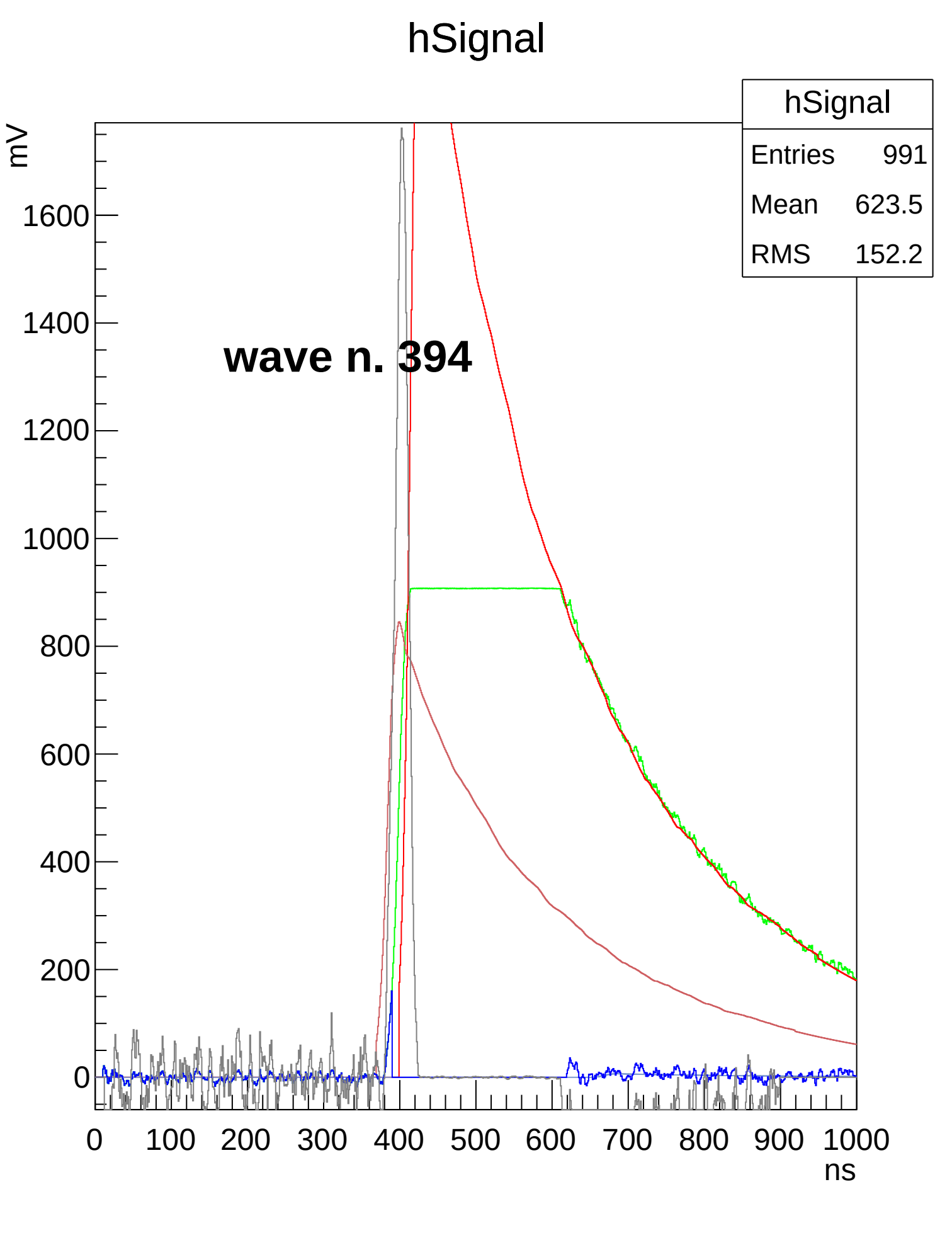

hSignal
hSignal
Entries 991
Mean 593.4
RMS 149.8
wave n. 389
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

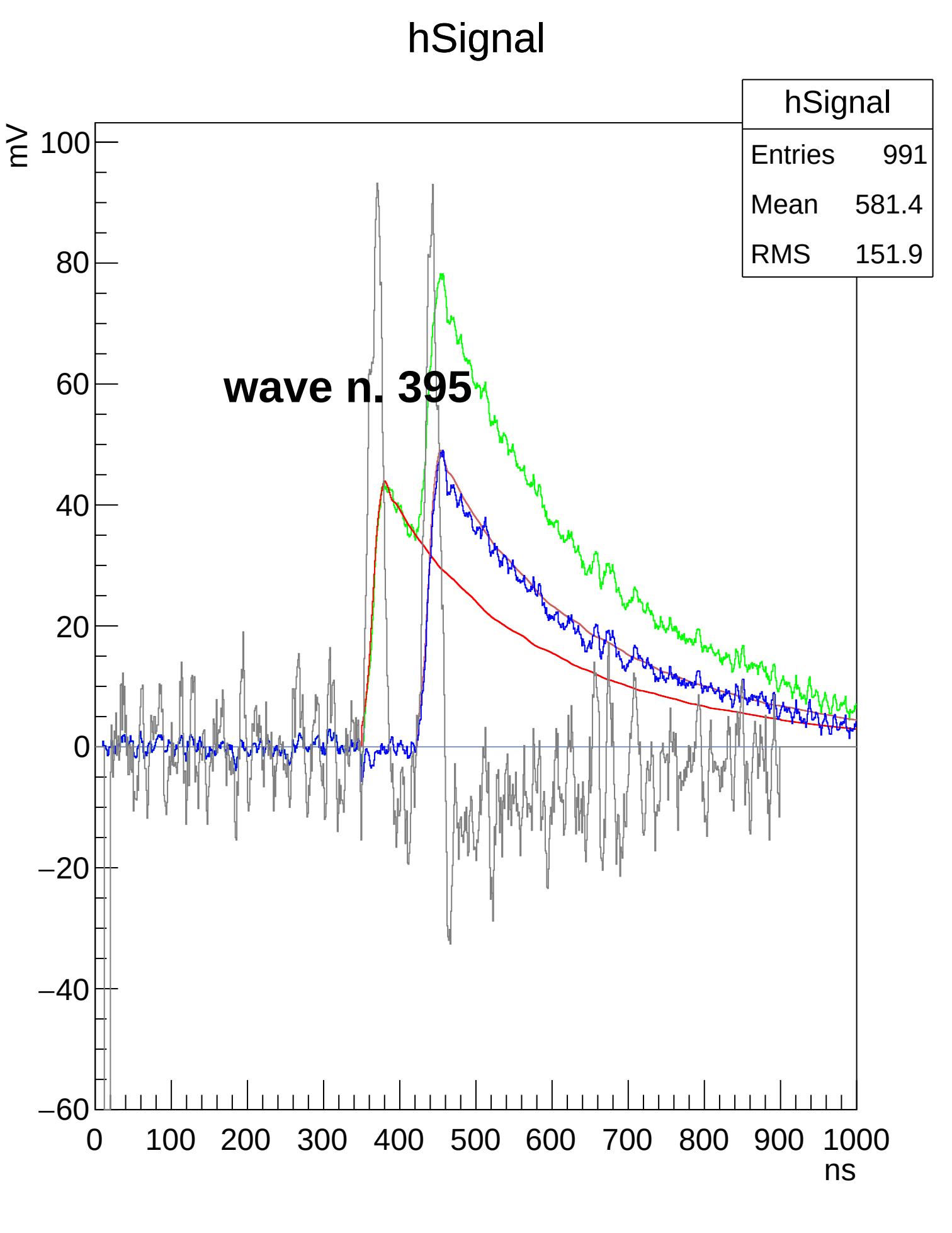

hSignal
hSignal
Entries 991
Mean 587.3
RMS 160.7
wave n. 390
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

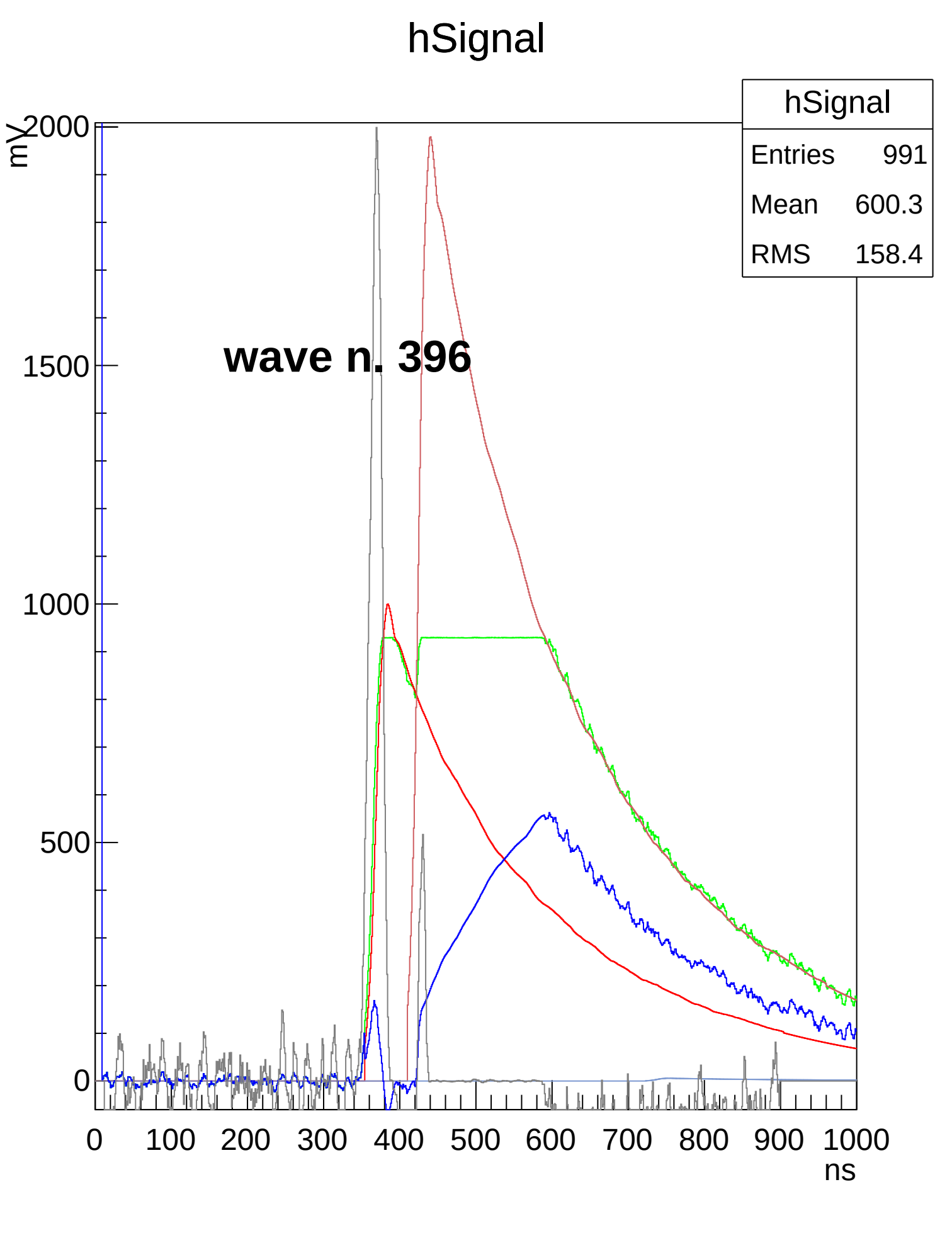

hSignal
hSignal
Entries 991
Mean 573.8
RMS 169.3
wave n. 391
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

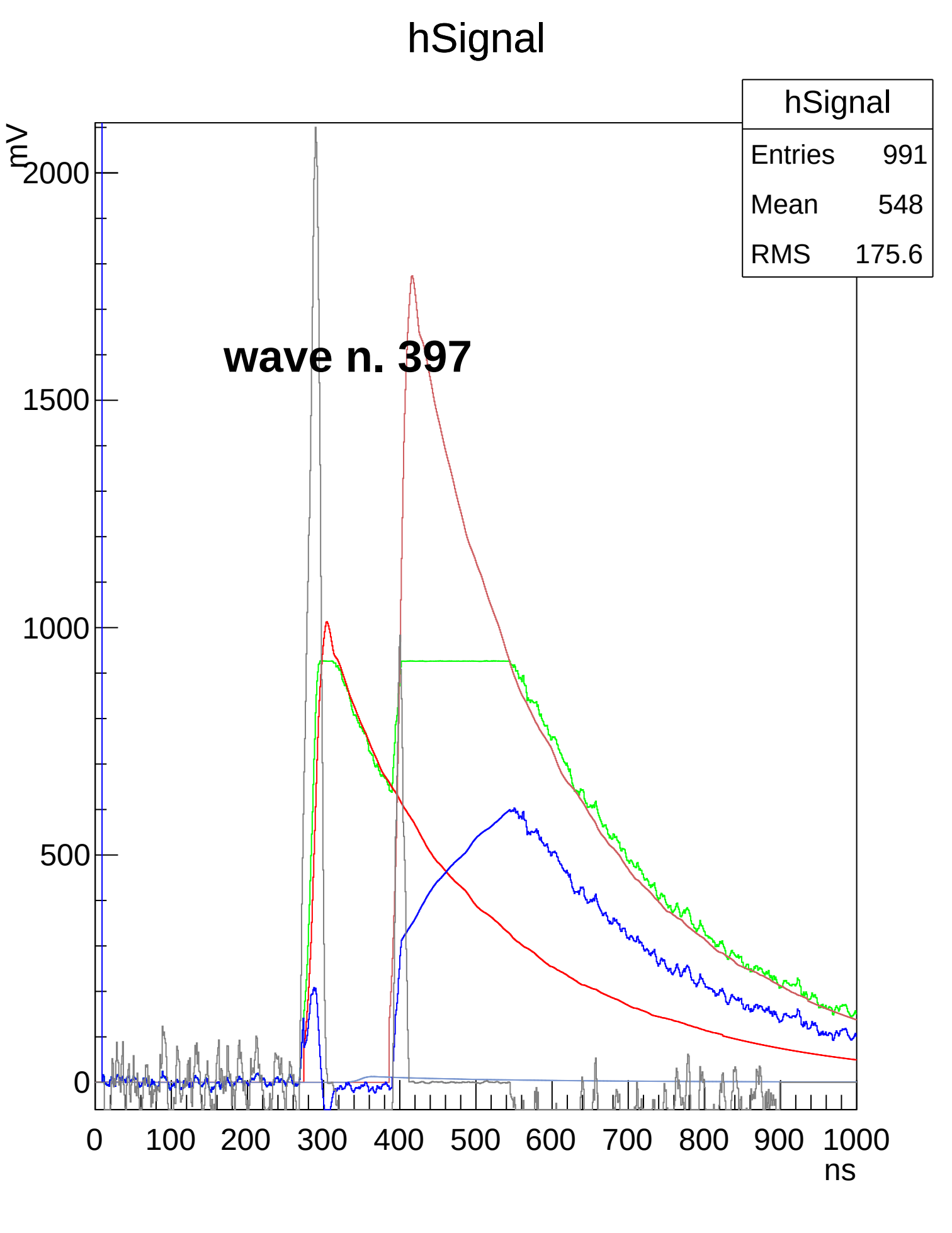

hSignal
hSignal
Entries 991
Mean 538.2
RMS 165.8
wave n. 392
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

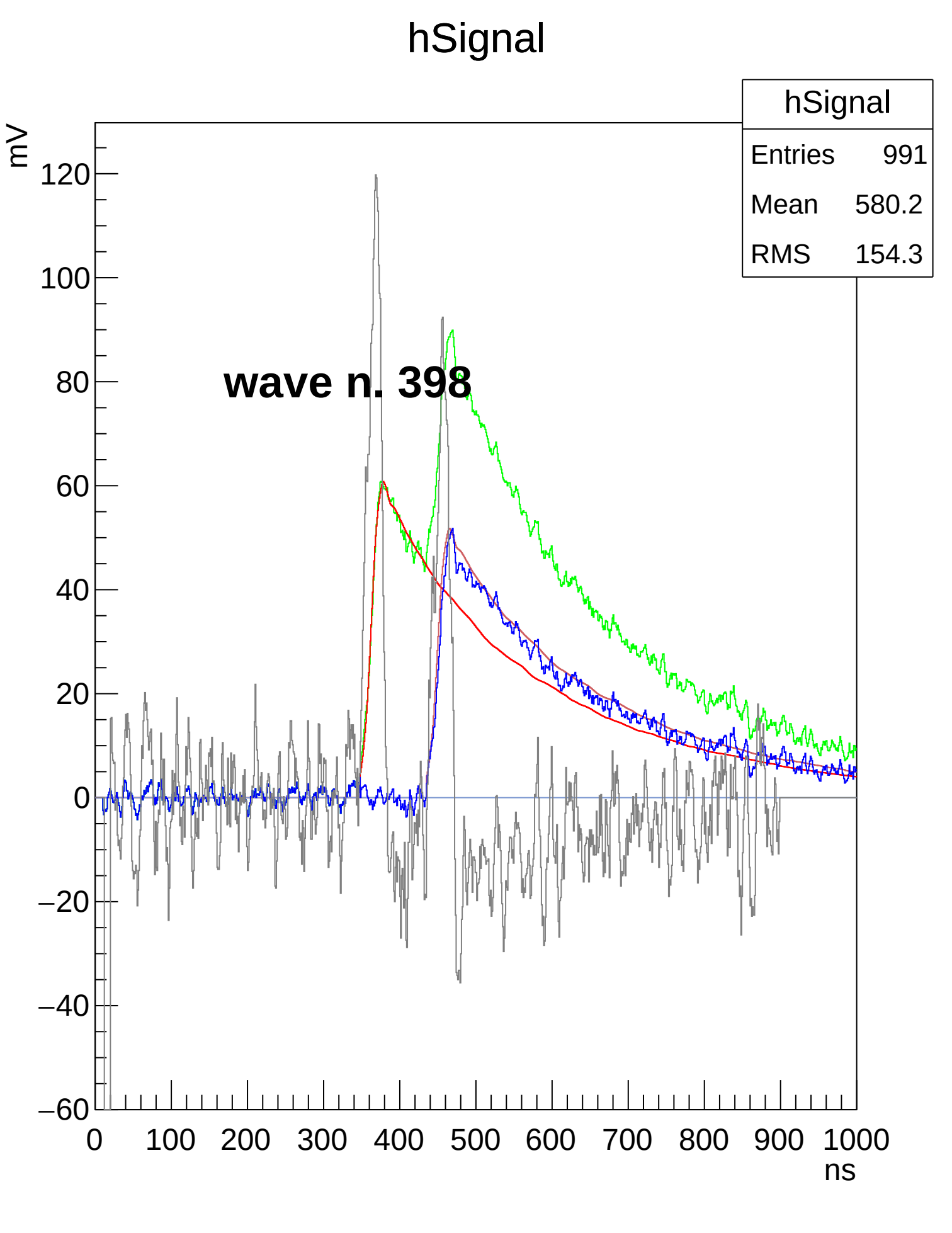

hSignal
hSignal
Entries 991
Mean 585.9
RMS 152
wave n. 393
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

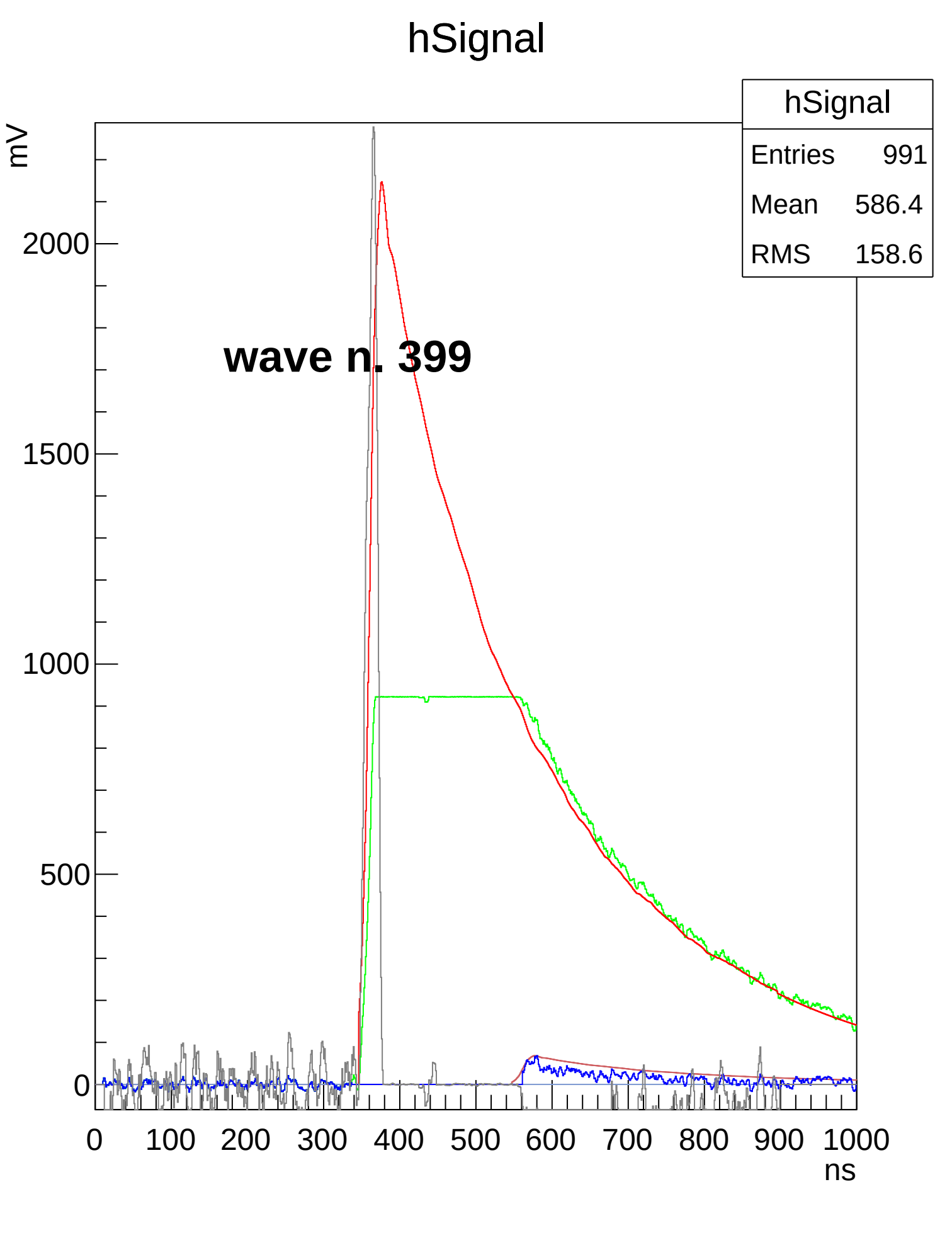

hSignal
hSignal
Entries 991
Mean 623.5
RMS 152.2
wave n. 394
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

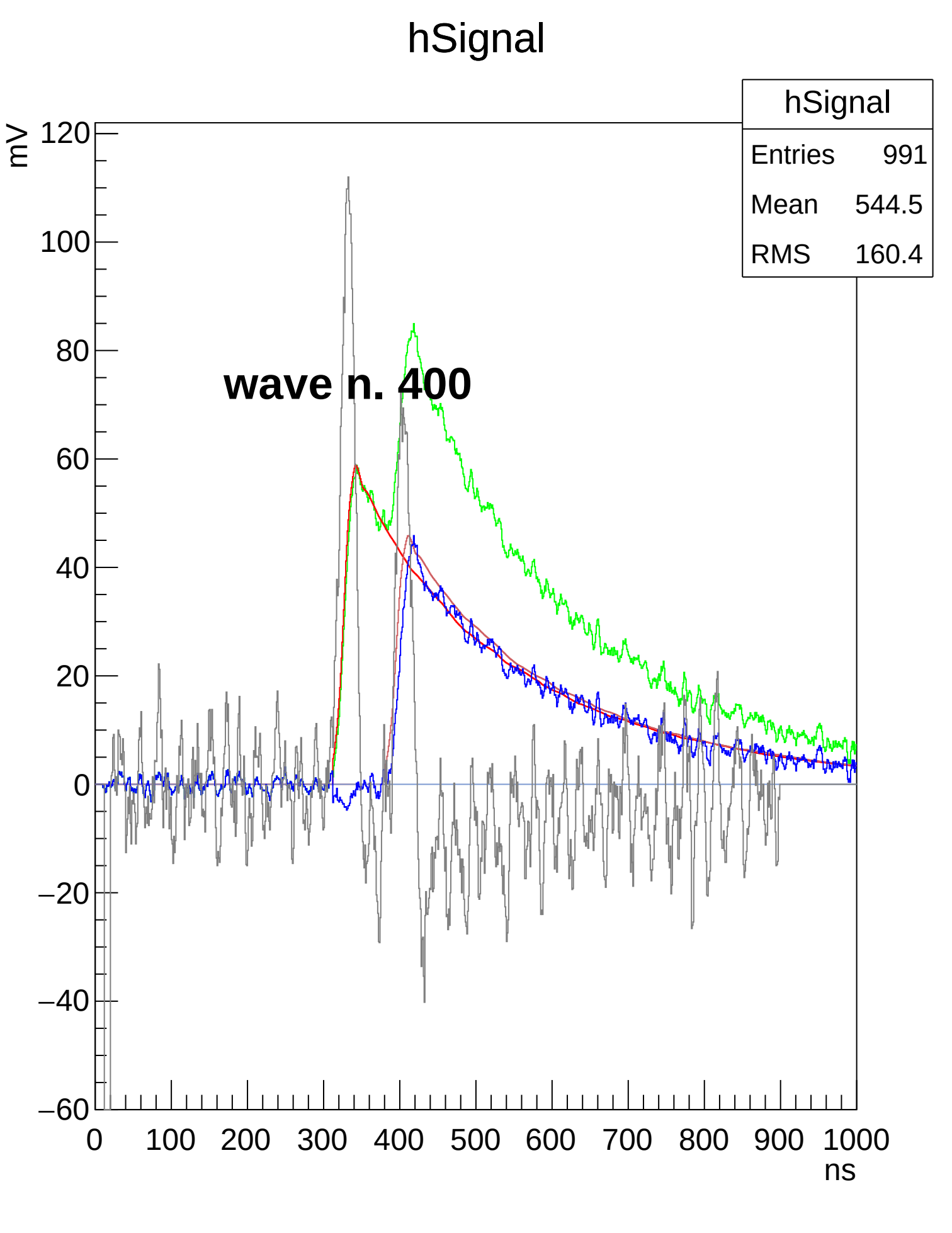

hSignal
hSignal
Entries 991
Mean 581.4
RMS 151.9
wave n. 395
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

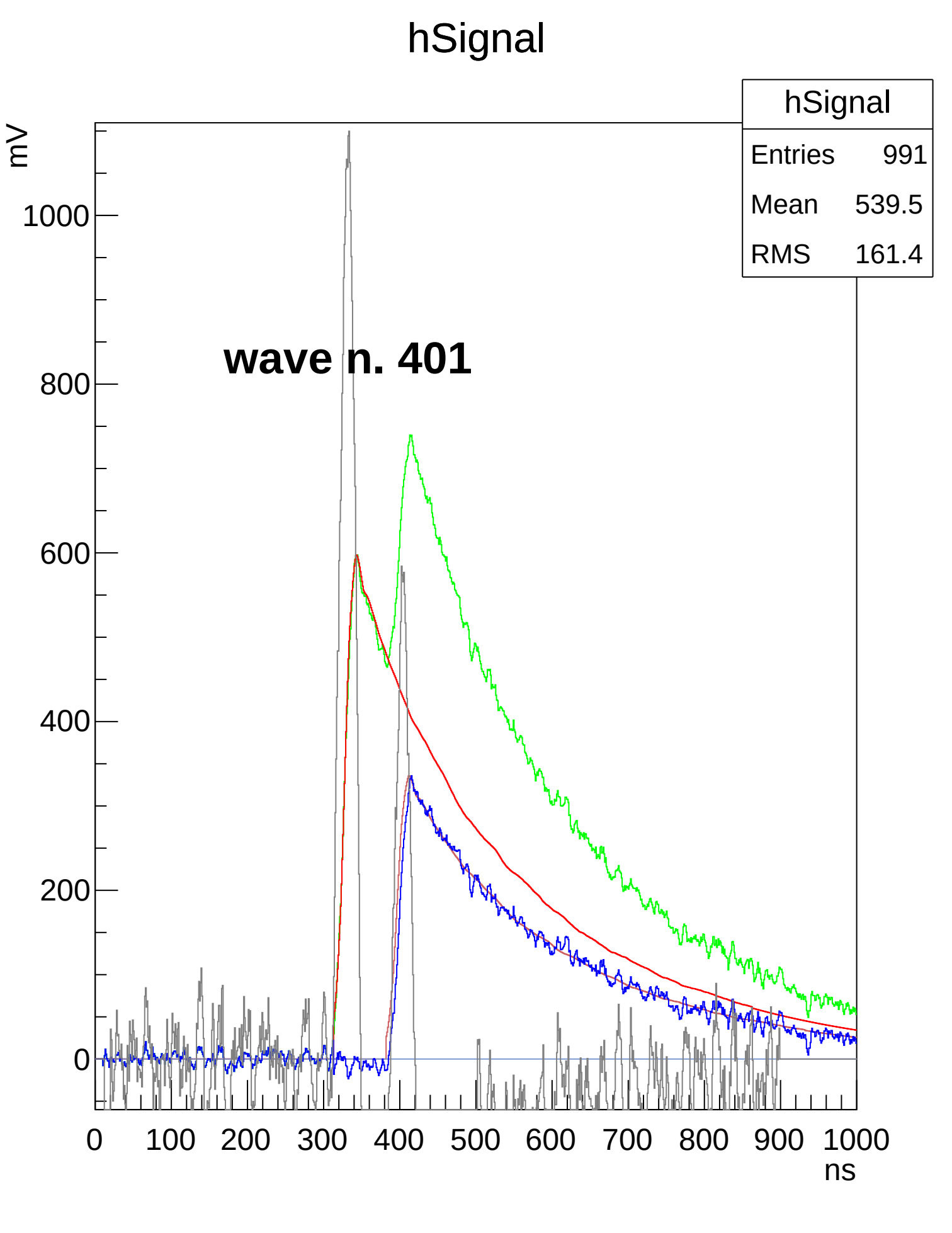

hSignal
hSignal
Entries 991
Mean 600.3
RMS 158.4
wave n. 396
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

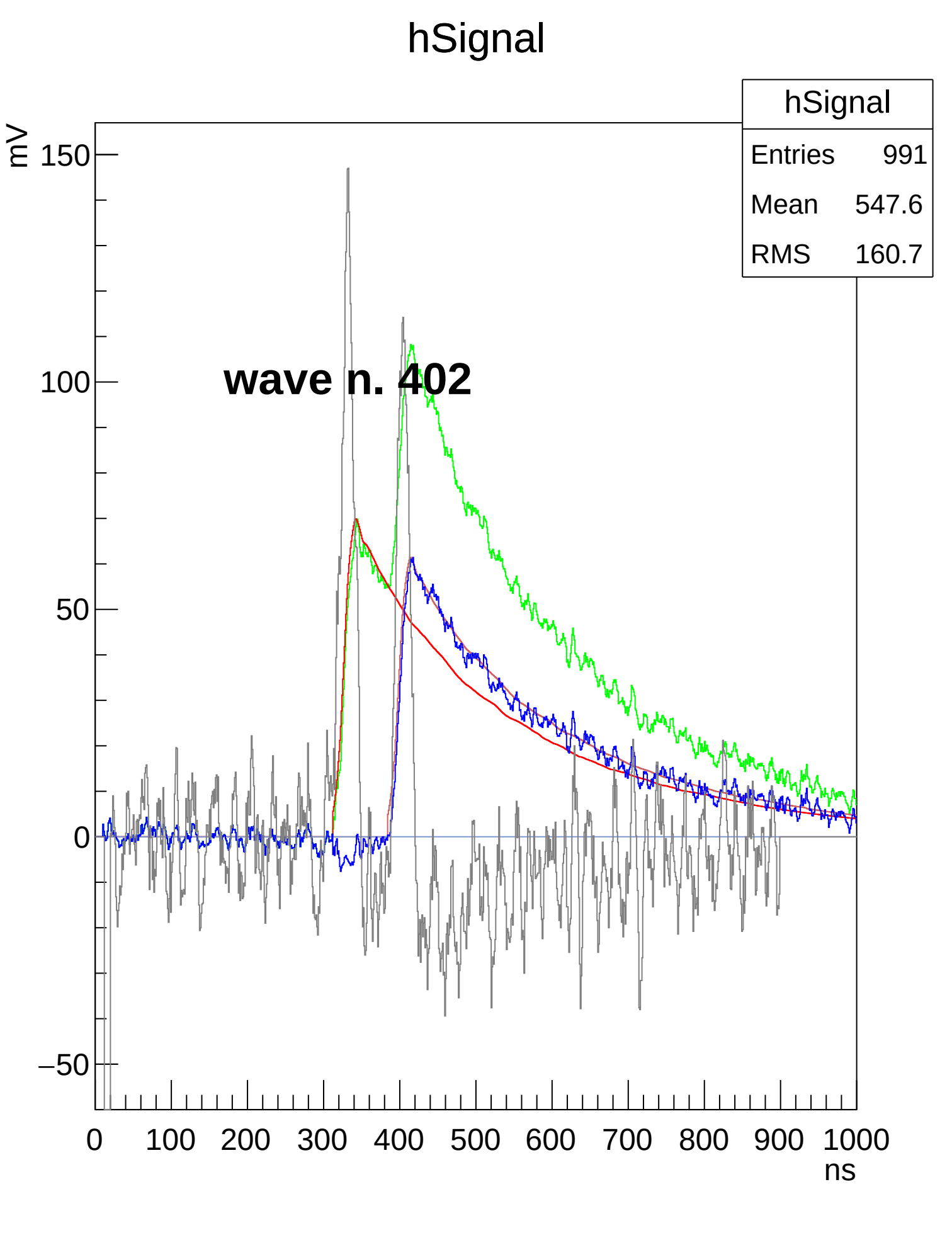

hSignal
hSignal
Entries 991
Mean 548
RMS 175.6
wave n. 397
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

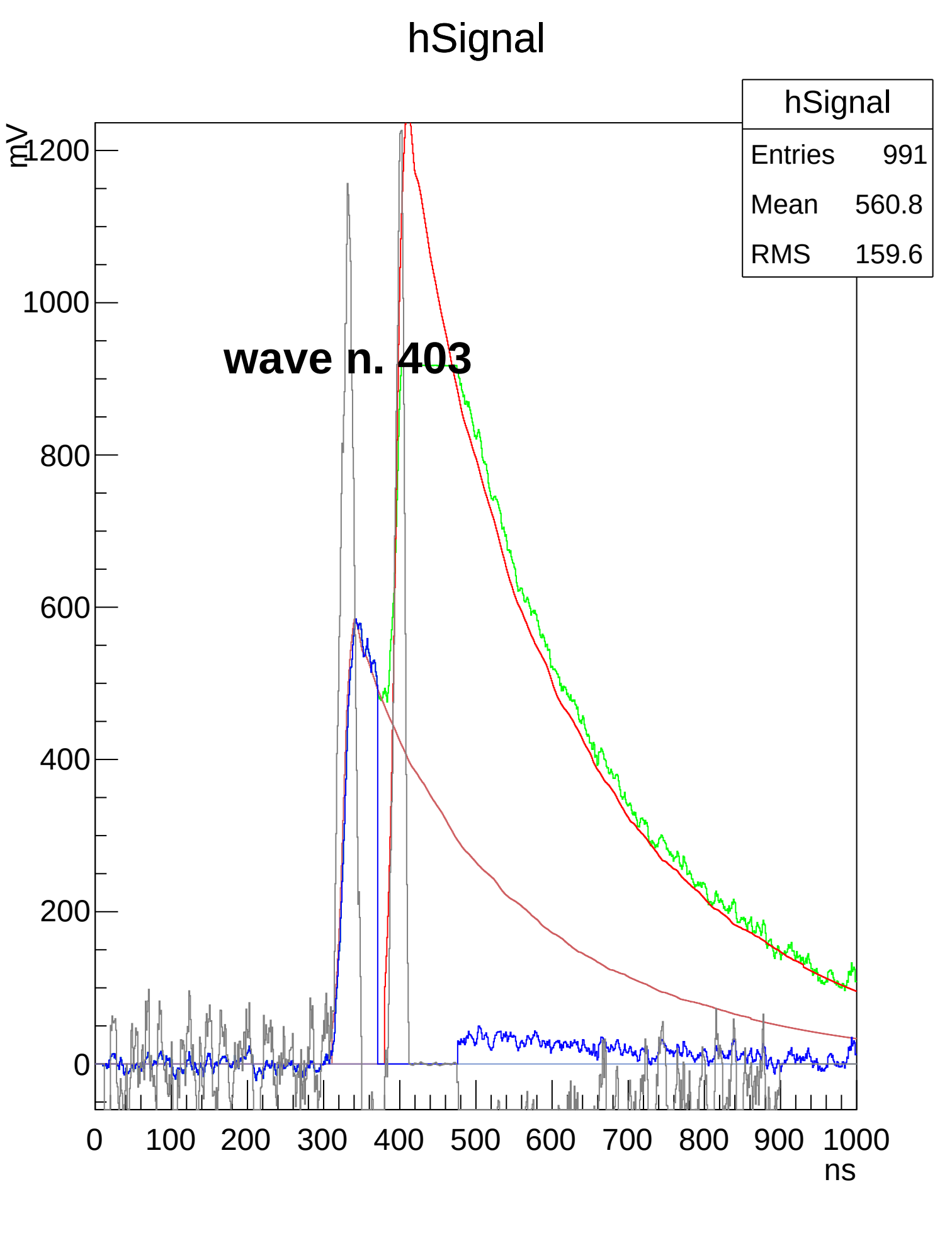

hSignal
hSignal
Entries 991
Mean 580.2
RMS 154.3
wave n. 398
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

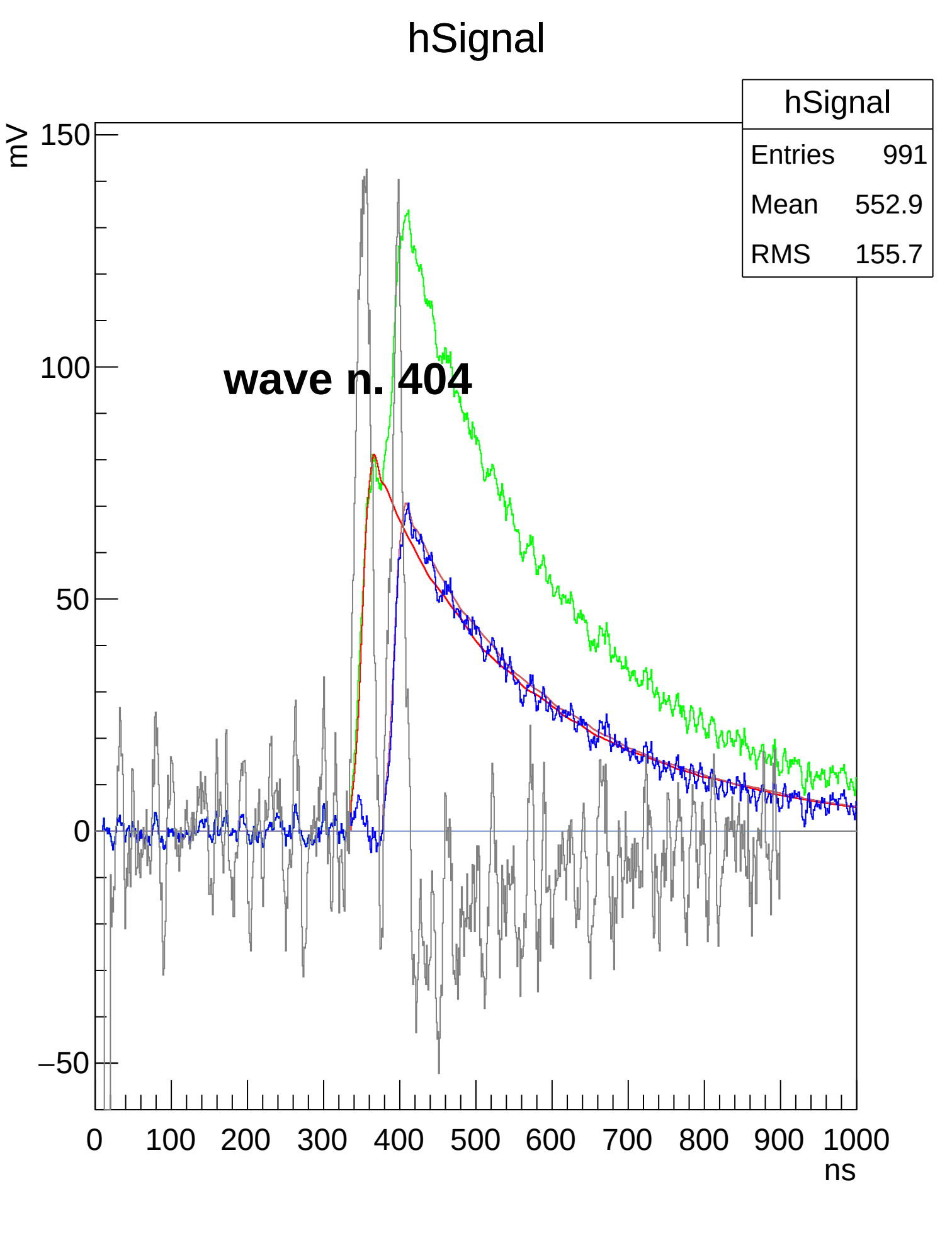

hSignal
hSignal
Entries 991
Mean 586.4
RMS 158.6
wave n. 399
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

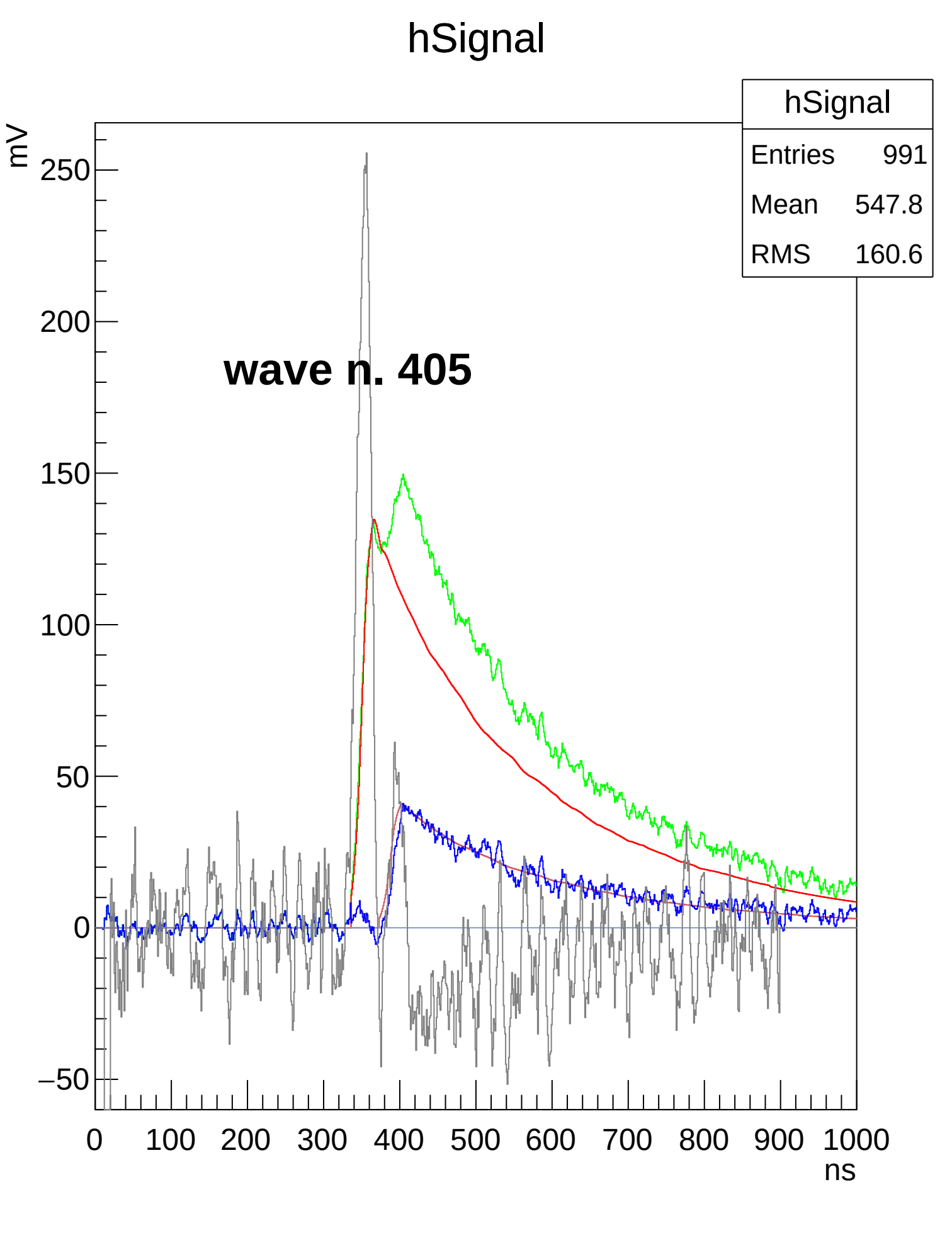

hSignal
hSignal
Entries 991
Mean 544.5
RMS 160.4
wave n. 400
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

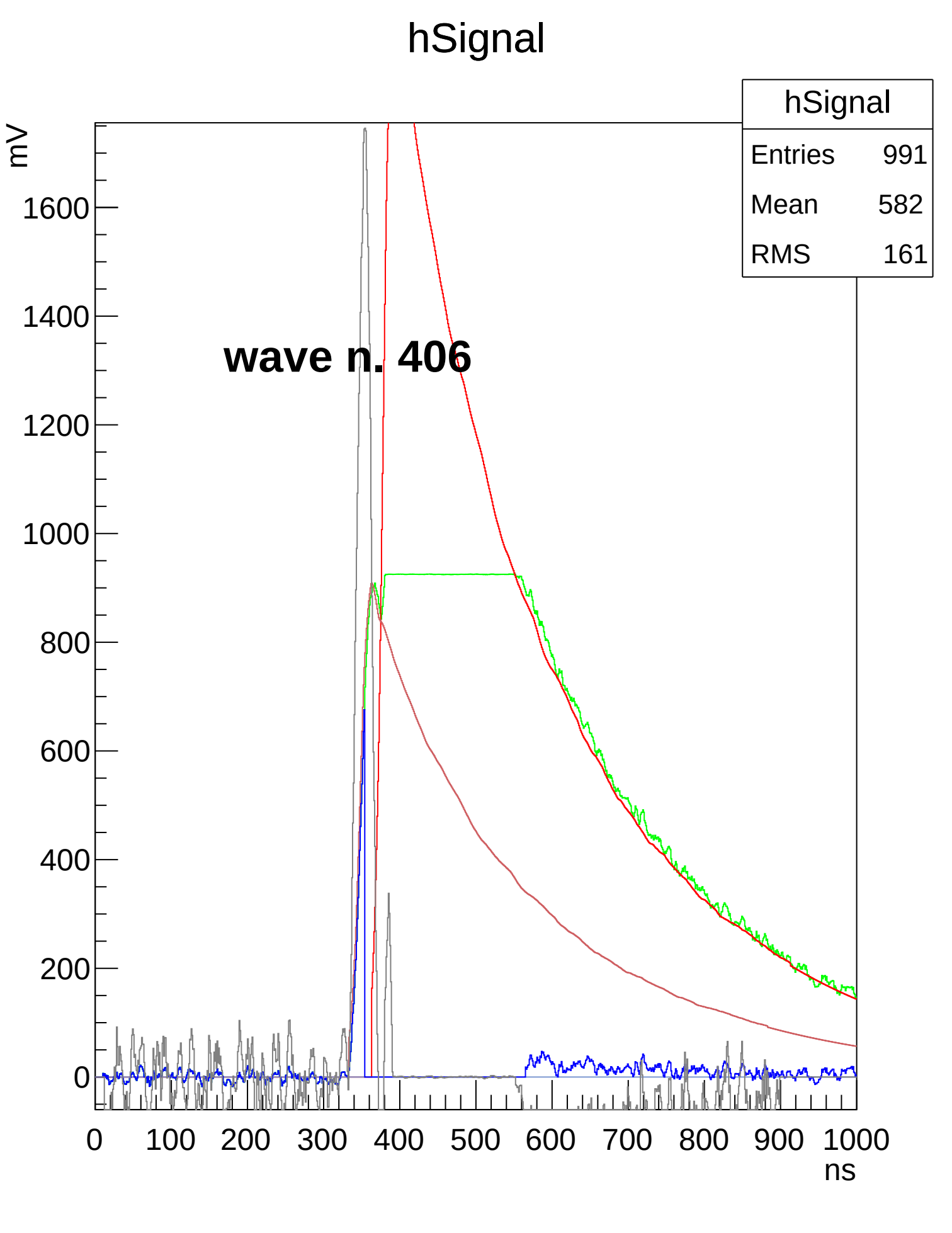

hSignal
hSignal
Entries 991
Mean 539.5
RMS 161.4
wave n. 401
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

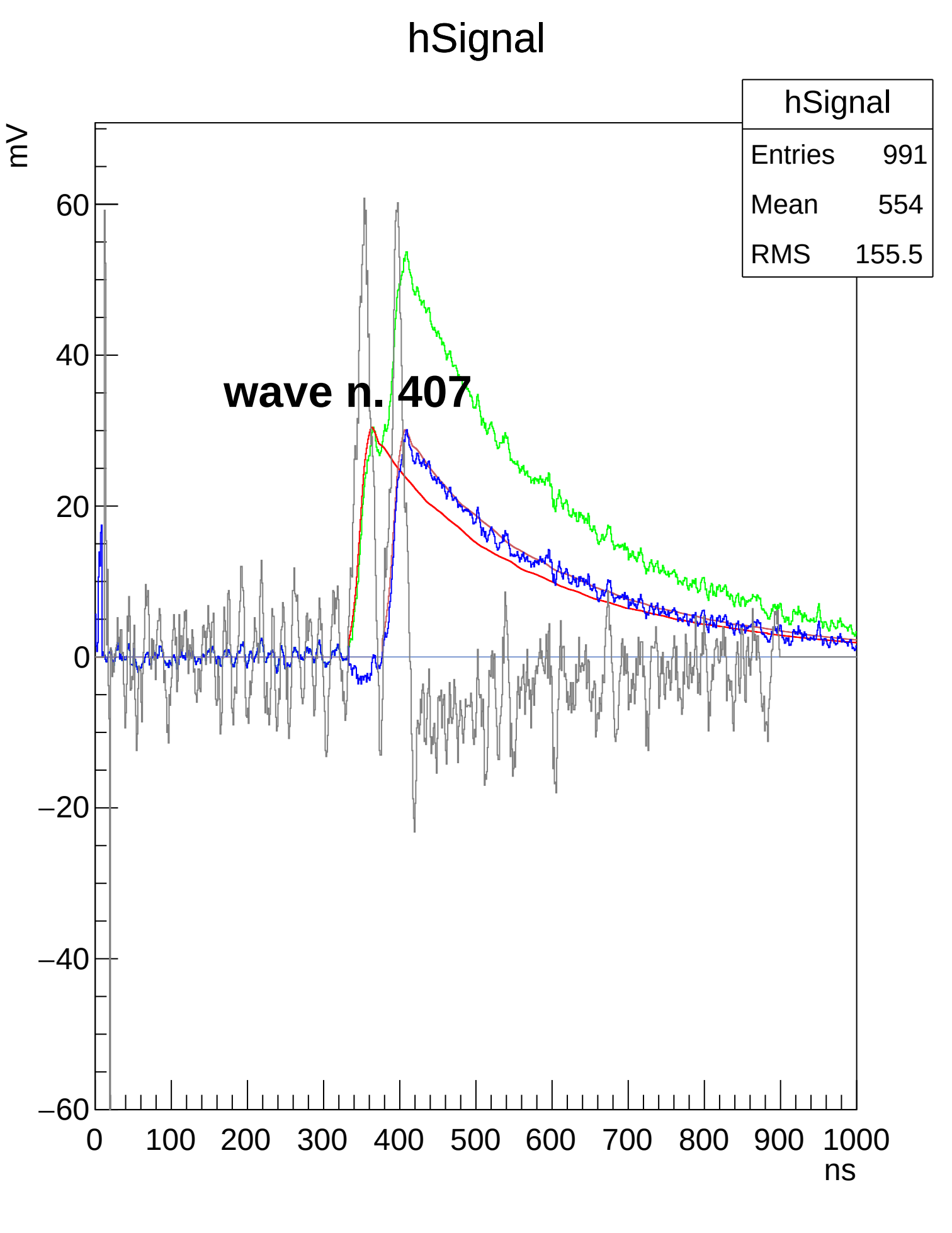

hSignal
hSignal
Entries 991
Mean 547.6
RMS 160.7
wave n. 402
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

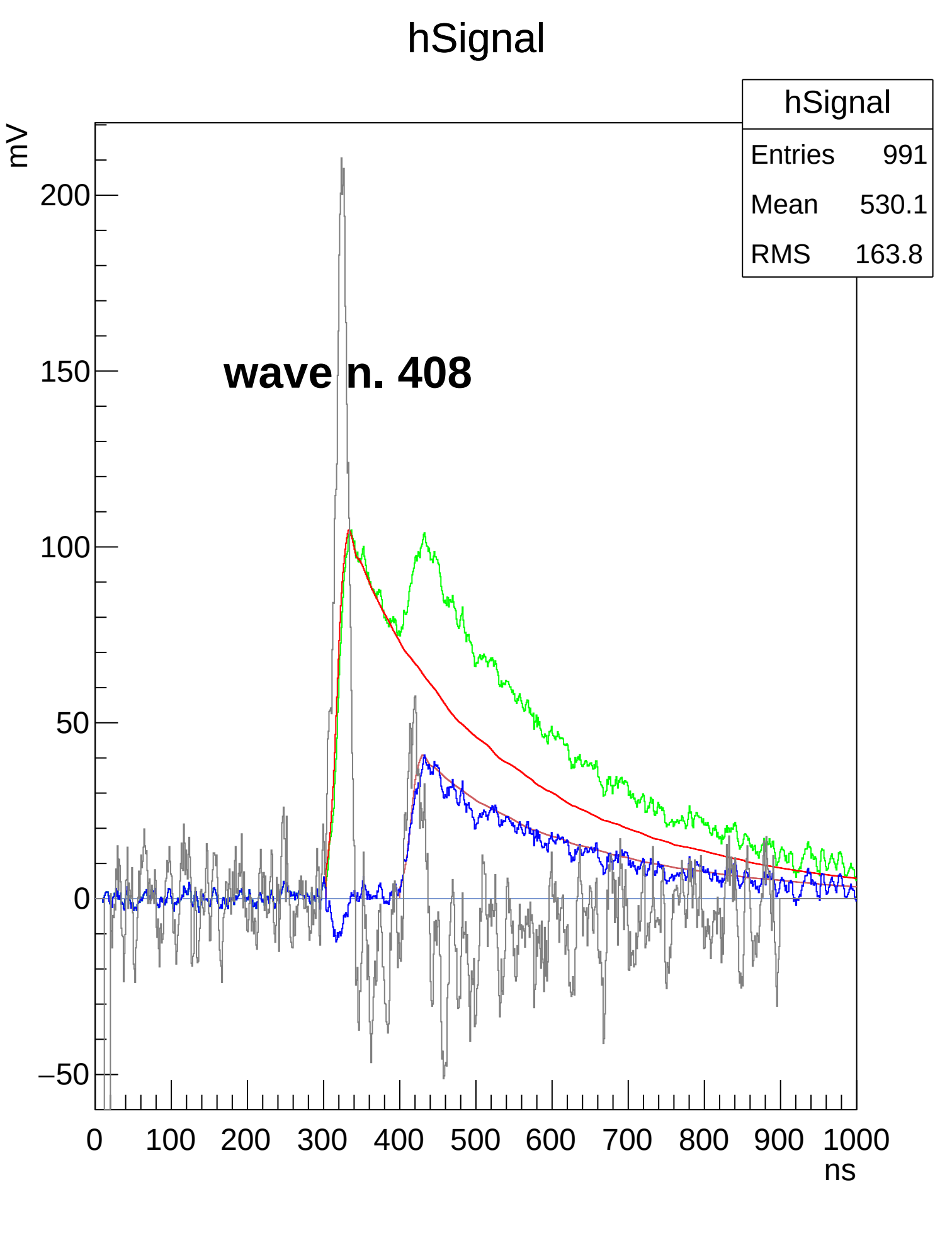

hSignal
hSignal
Entries 991
Mean 560.8
RMS 159.6
wave n. 403
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

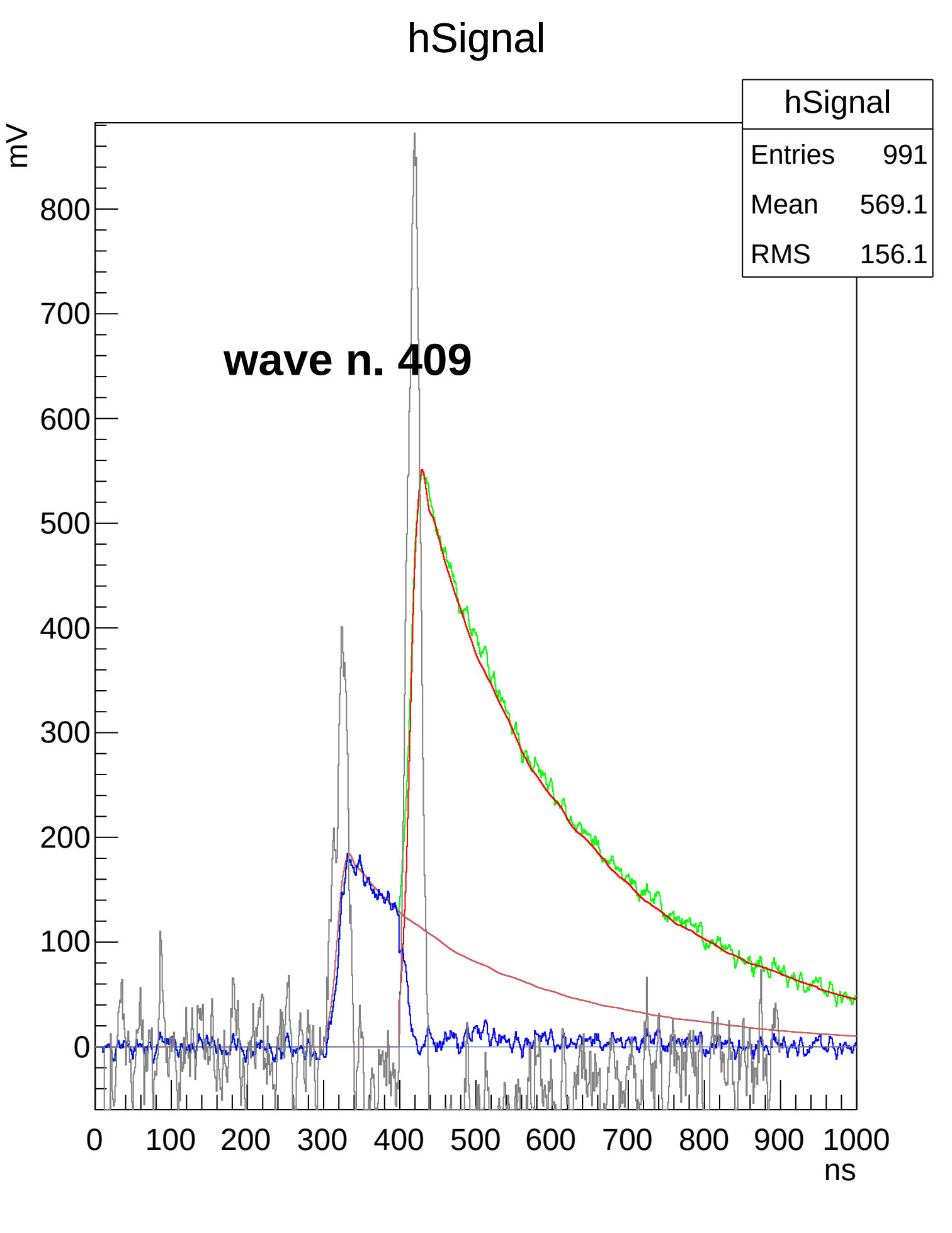

hSignal
hSignal
Entries 991
Mean 552.9
RMS 155.7
wave n. 404
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

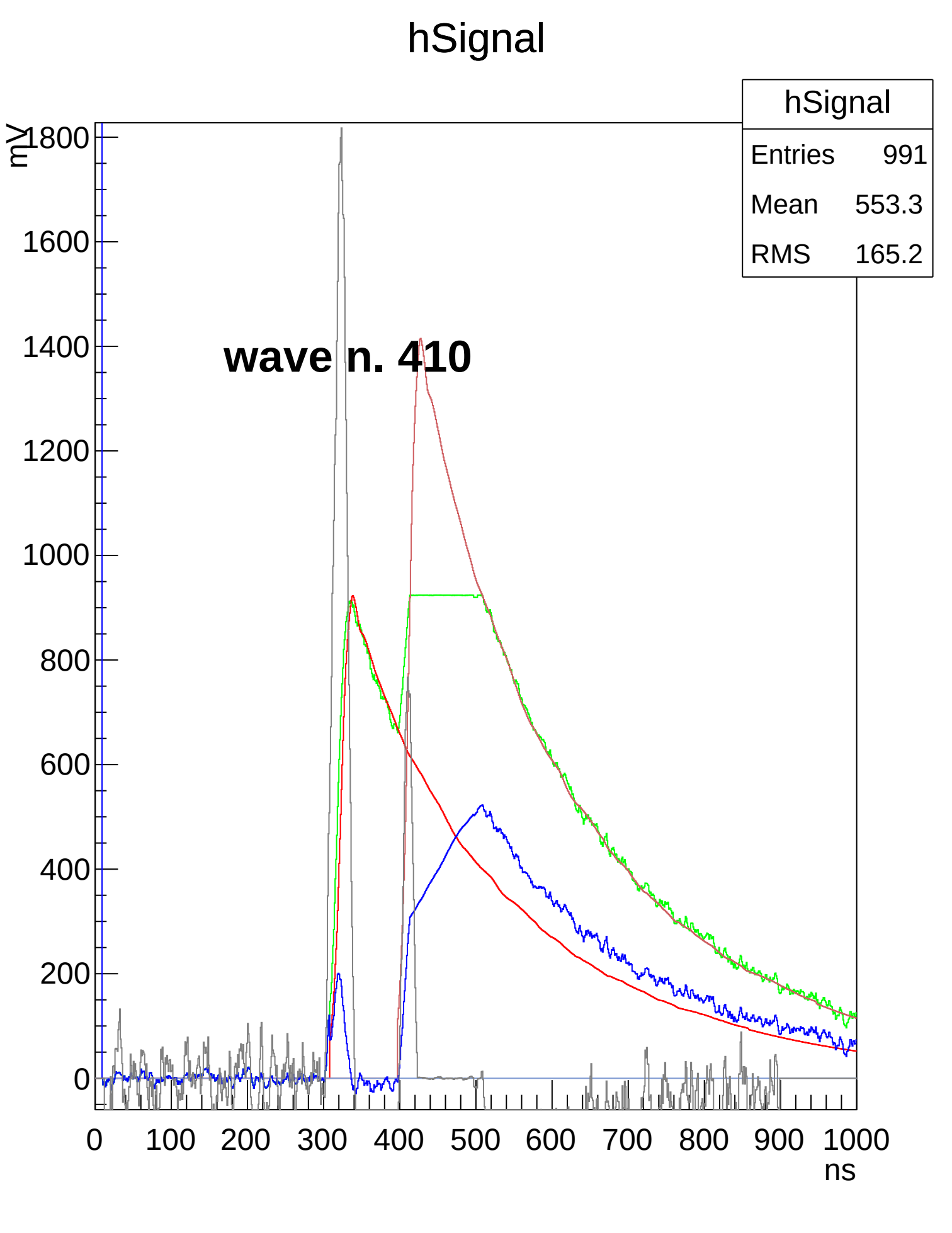

hSignal
hSignal
Entries 991
Mean 547.8
RMS 160.6
wave n. 405
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

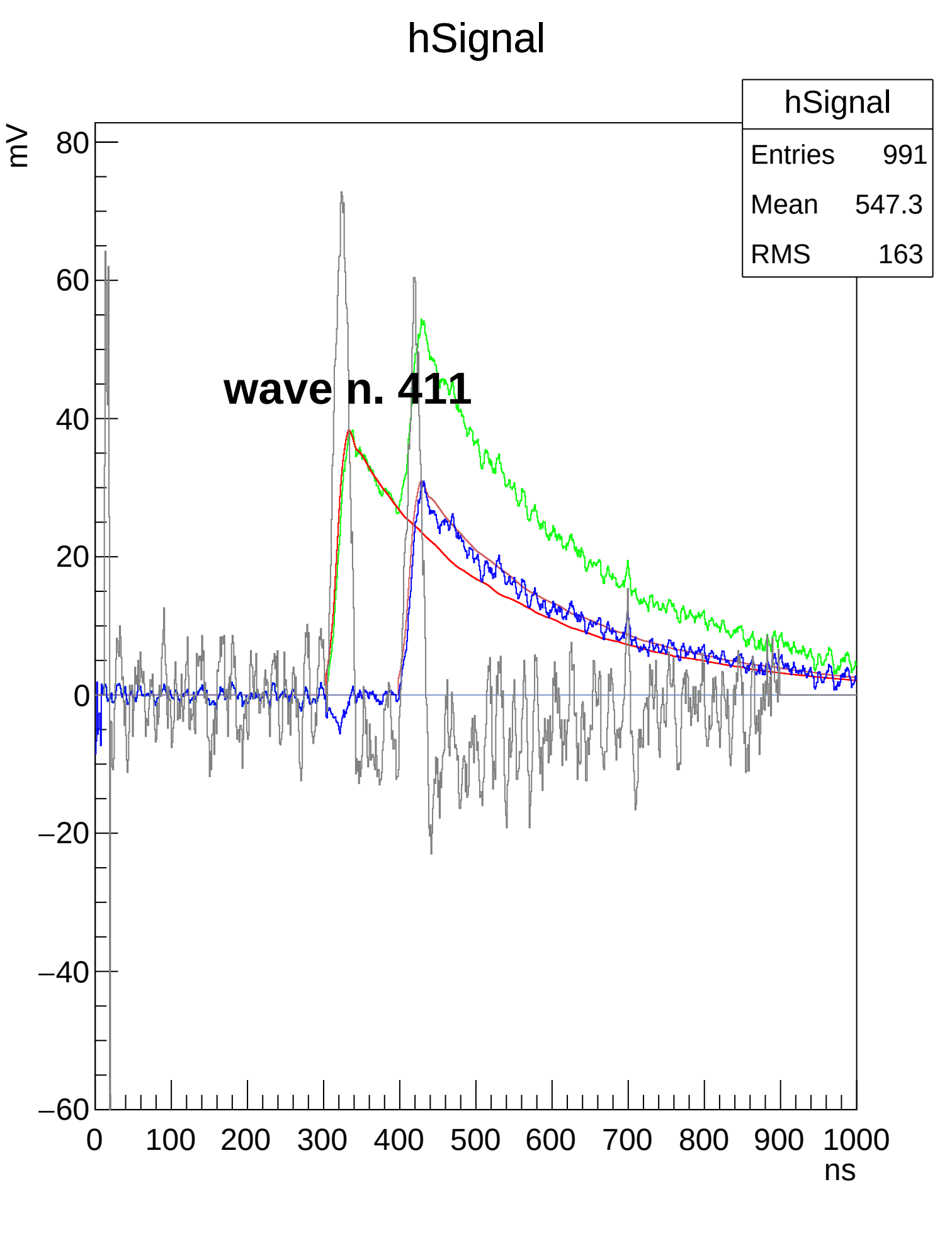

hSignal
hSignal
Entries 991
Mean 582
RMS 161
wave n. 406
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

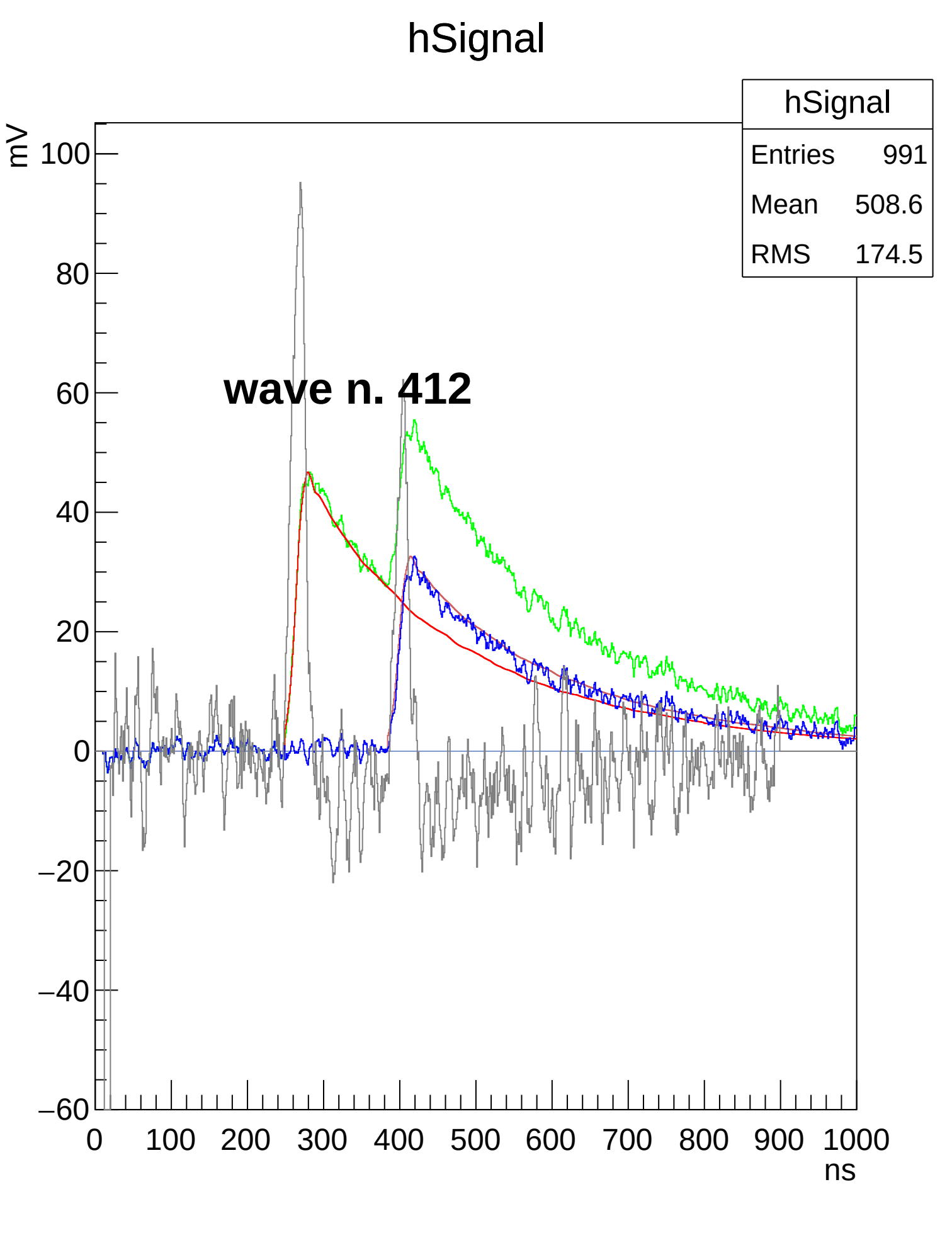

hSignal
hSignal
Entries 991
Mean 554
RMS 155.5
wave n. 407
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

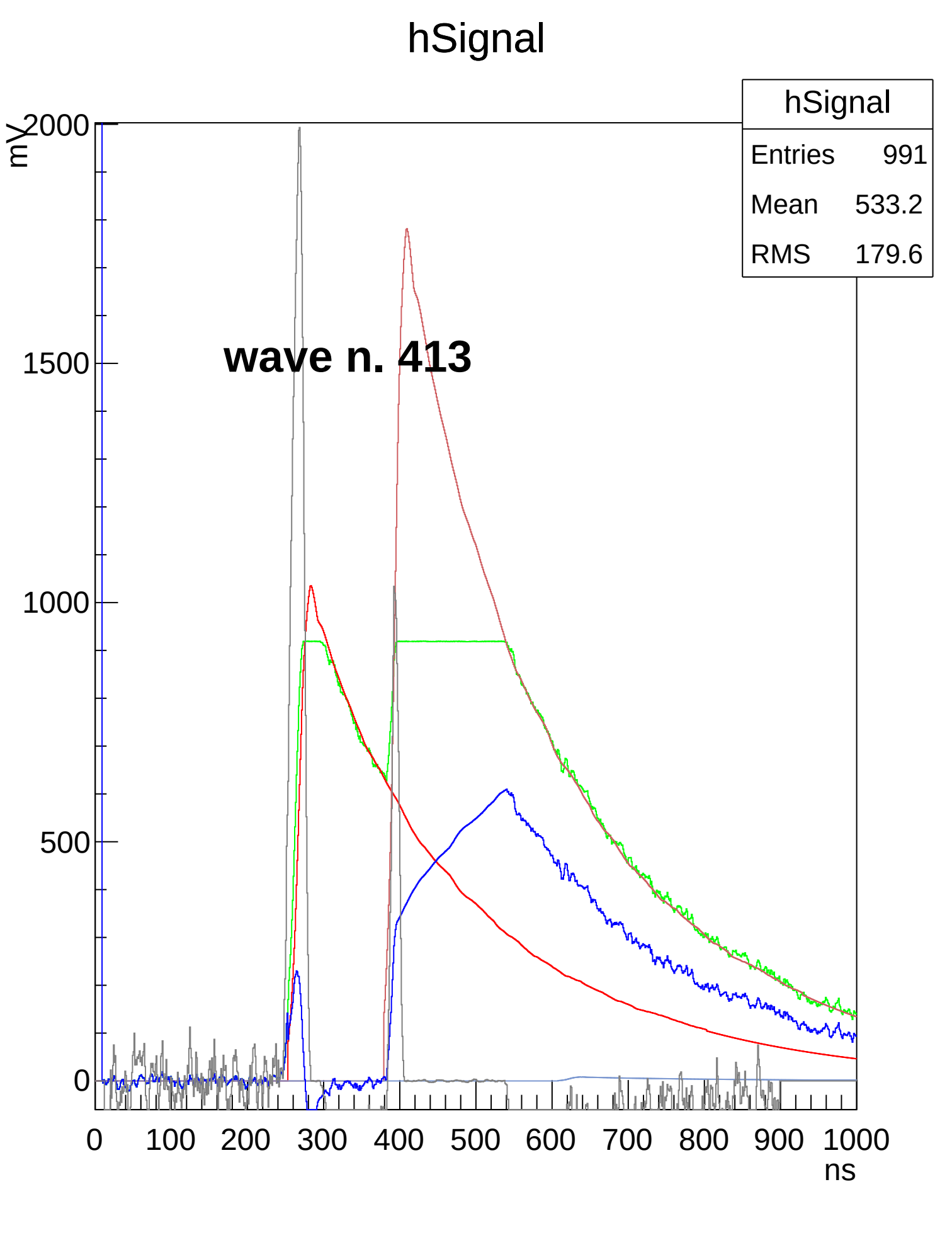

hSignal
hSignal
Entries 991
Mean 530.1
RMS 163.8
wave n. 408
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

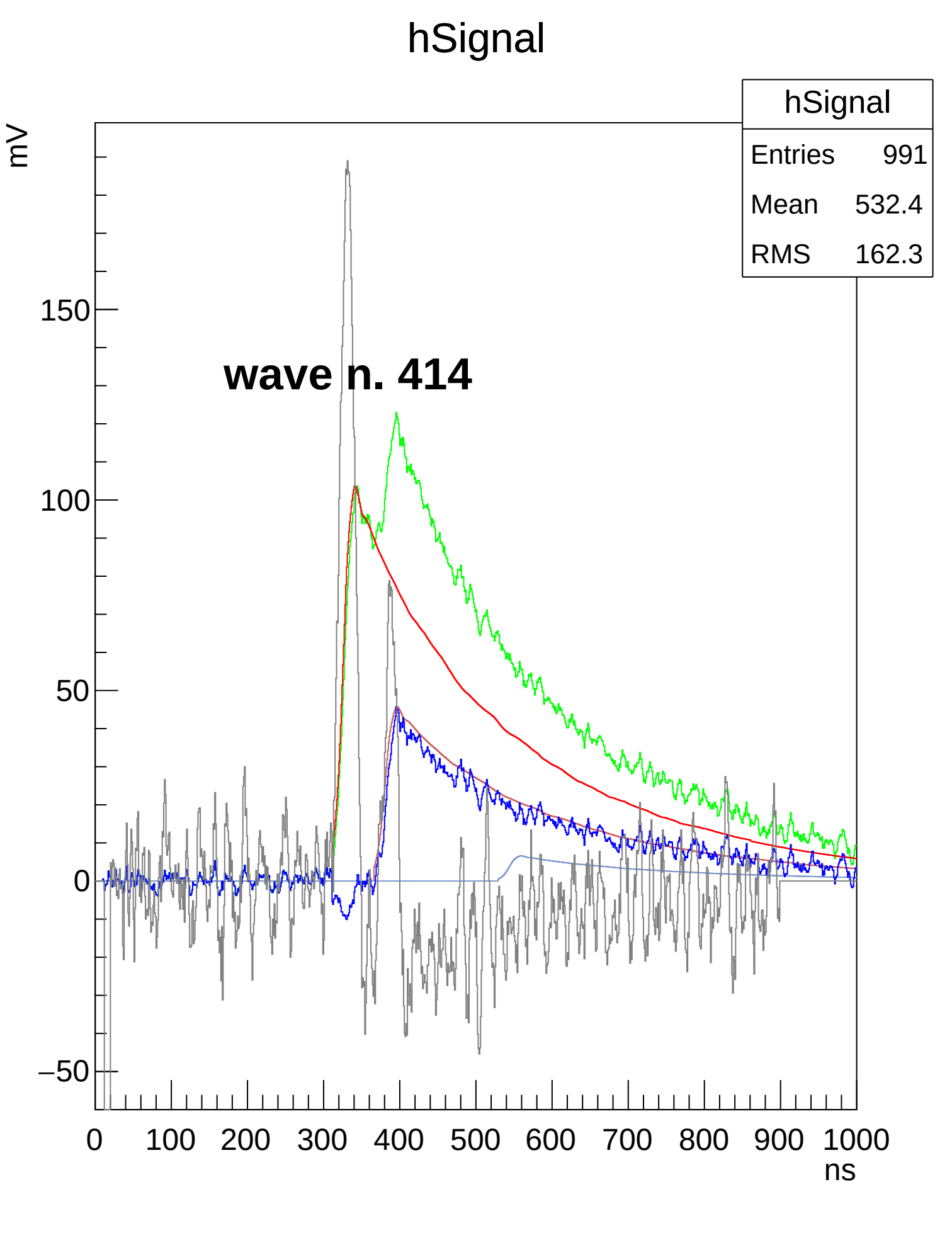

hSignal
hSignal
Entries 991
Mean 569.1
RMS 156.1
wave n. 409
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

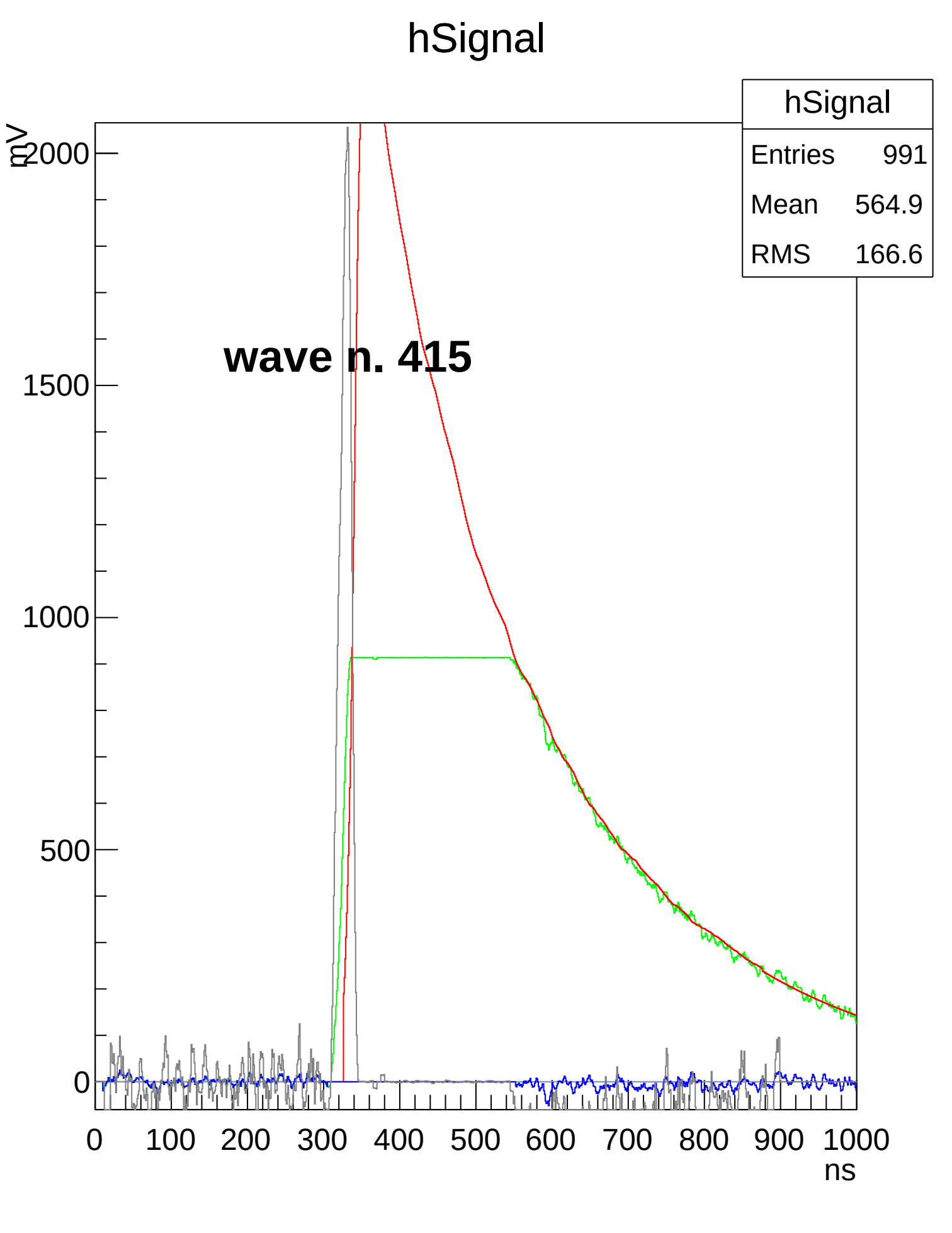

hSignal
hSignal
Entries 991
Mean 553.3
RMS 165.2
wave n. 410
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

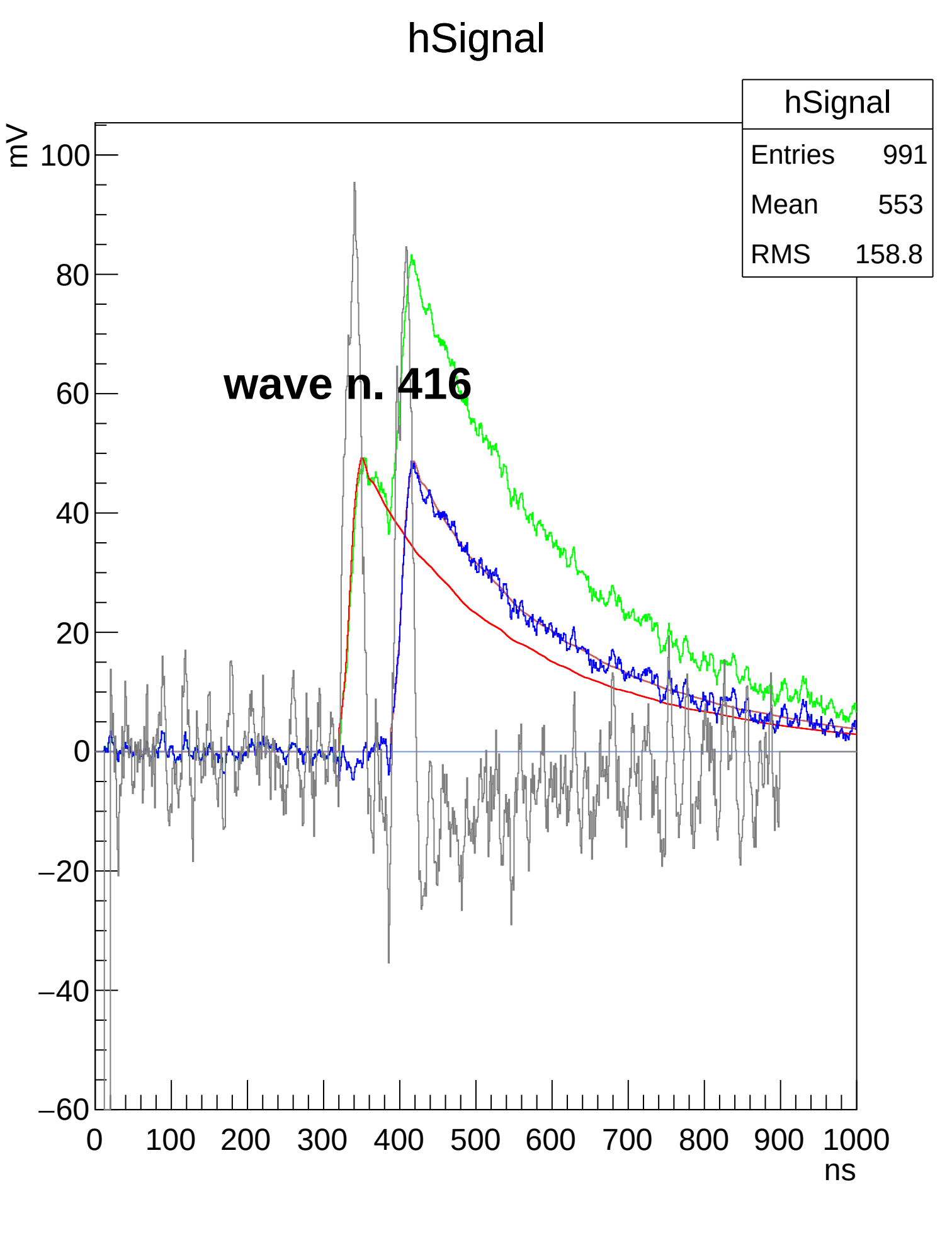

hSignal
hSignal
Entries 991
Mean 547.3
RMS 163
wave n. 411
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

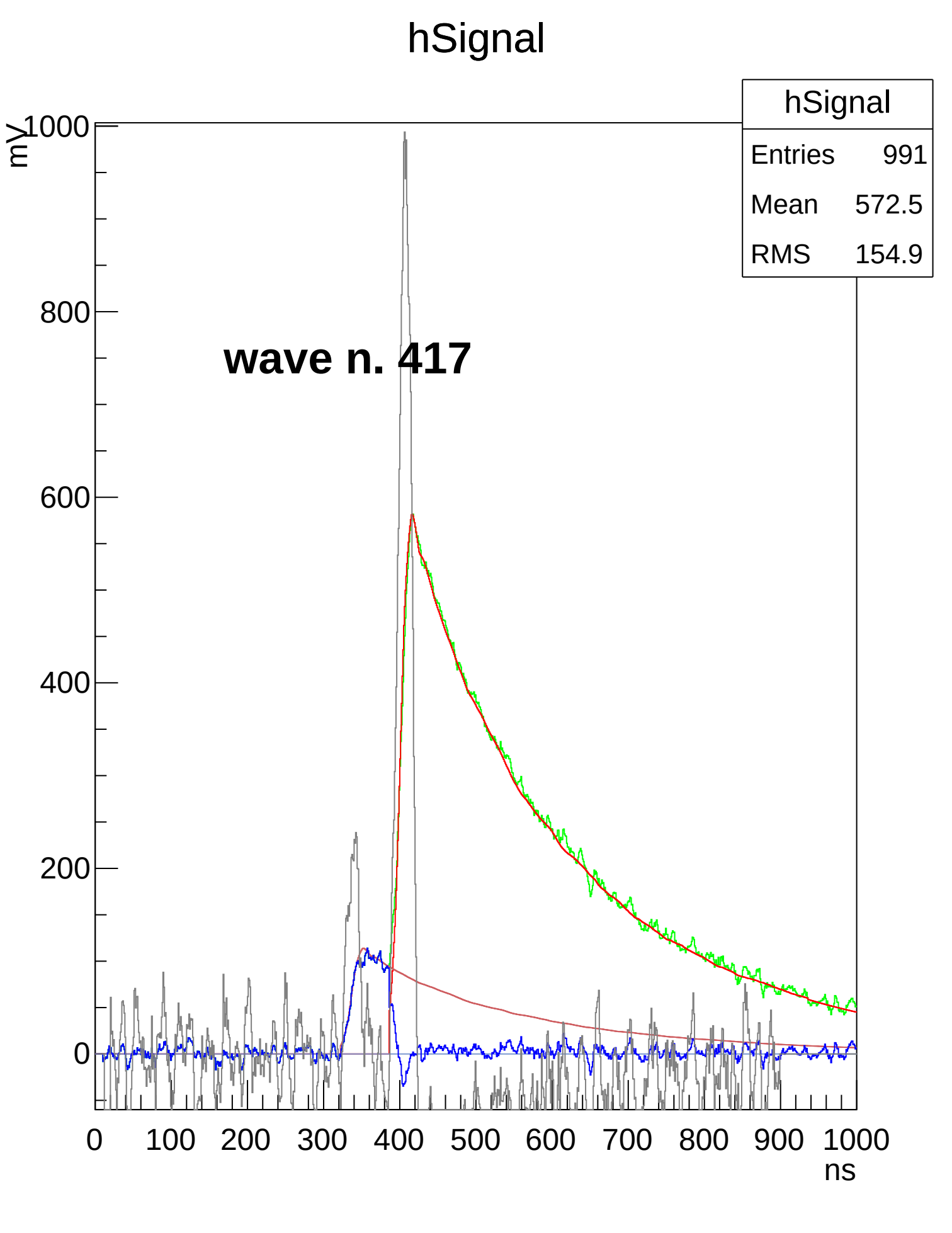

hSignal
hSignal
Entries 991
Mean 508.6
RMS 174.5
wave n. 412
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

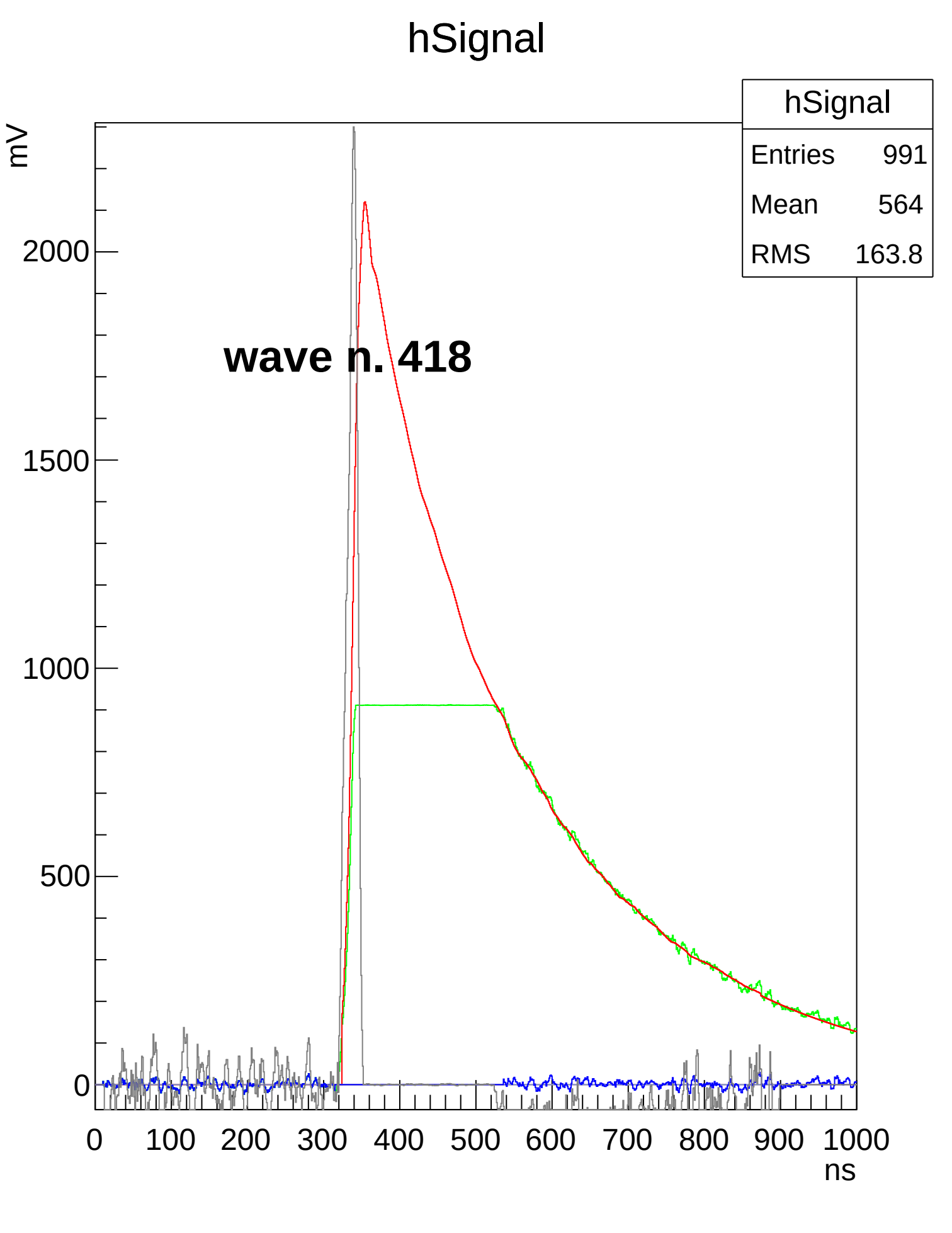

hSignal
hSignal
Entries 991
Mean 533.2
RMS 179.6
wave n. 413
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

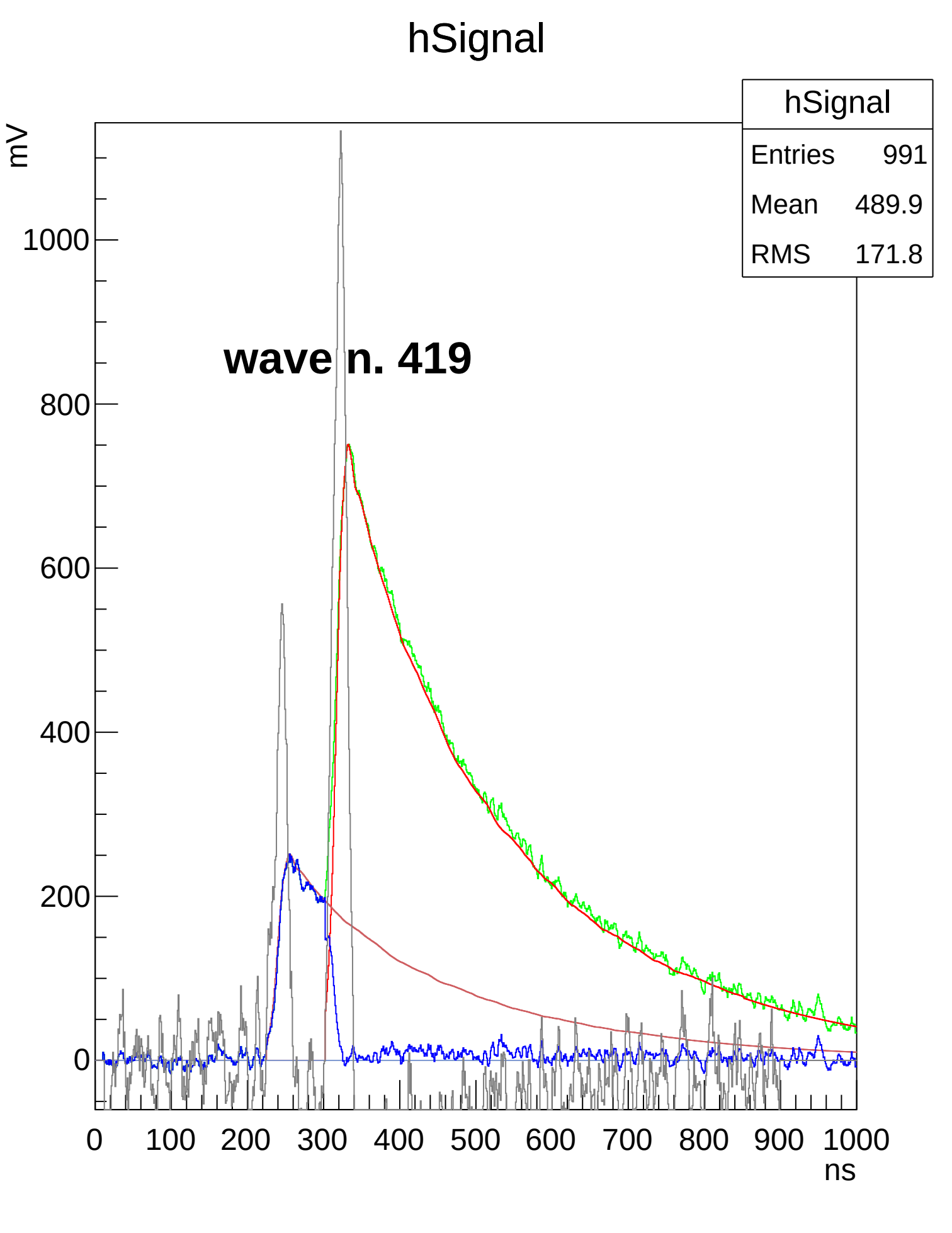

hSignal
hSignal
Entries 991
Mean 532.4
RMS 162.3
wave n. 414
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

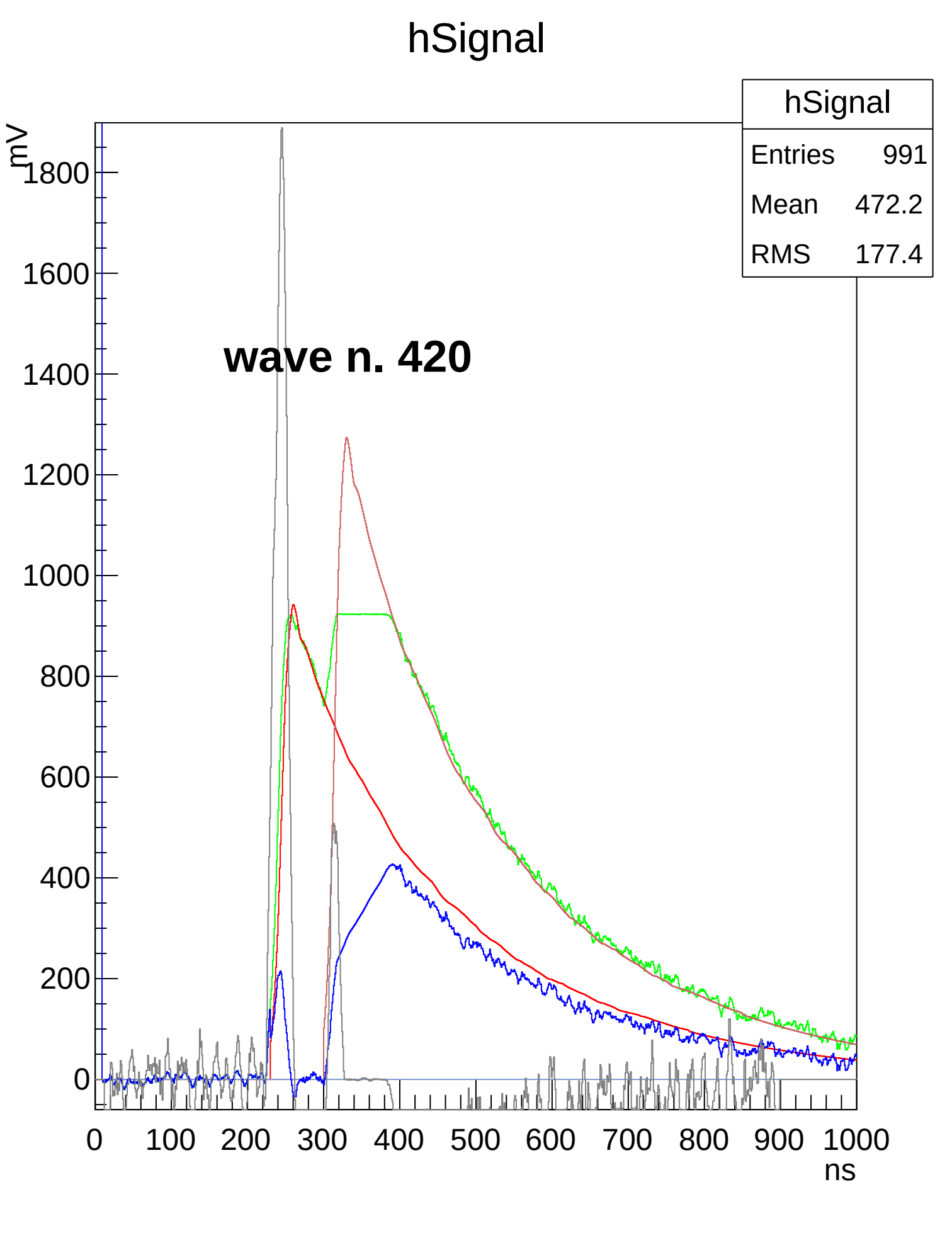

hSignal
hSignal
Entries 991
Mean 564.9
RMS 166.6
wave n. 415
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

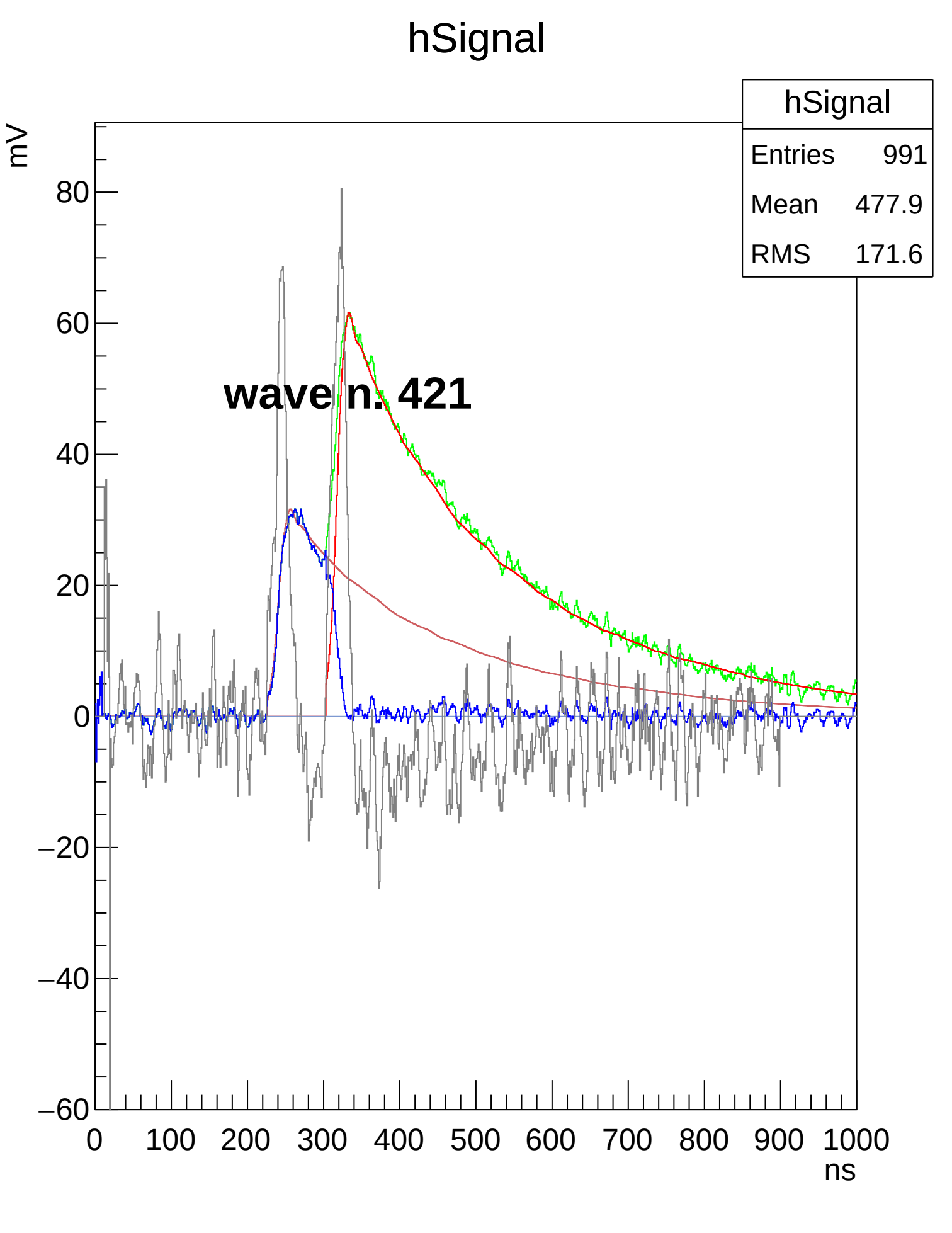

hSignal
hSignal
Entries 991
Mean 553
RMS 158.8
wave n. 416
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

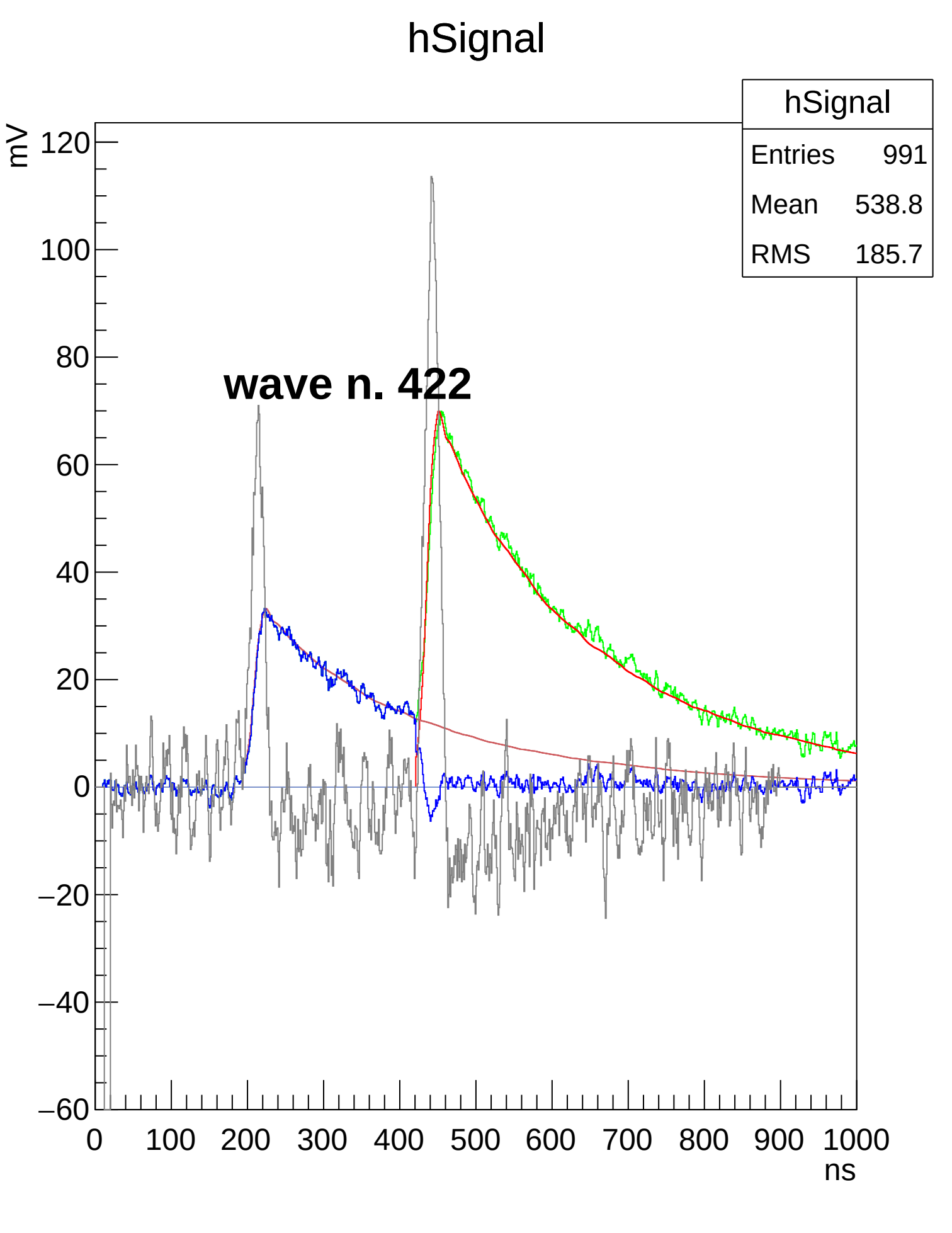

hSignal
hSignal
Entries 991
Mean 572.5
RMS 154.9
wave n. 417
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

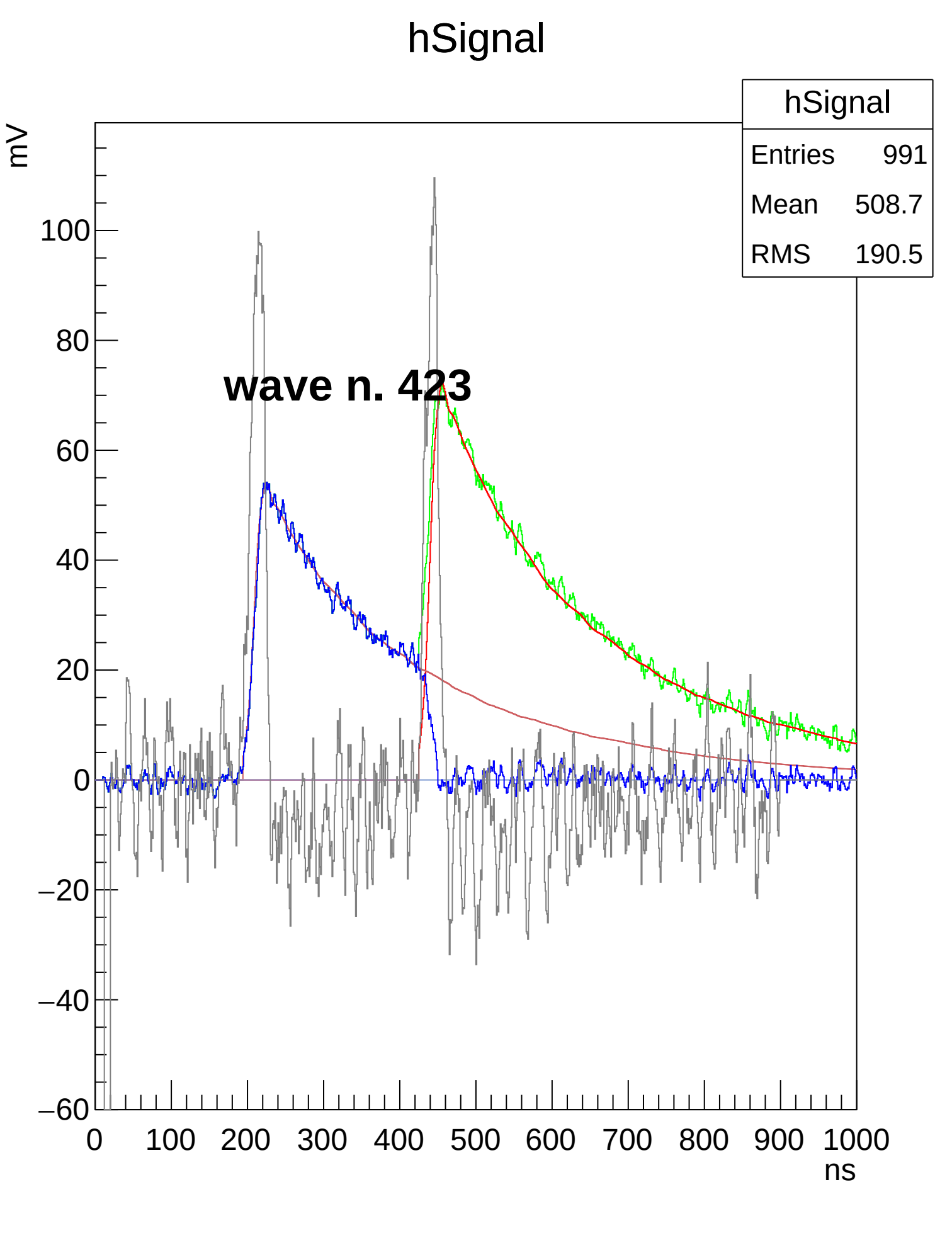

hSignal
hSignal
Entries 991
Mean 564
RMS 163.8
wave n. 418
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

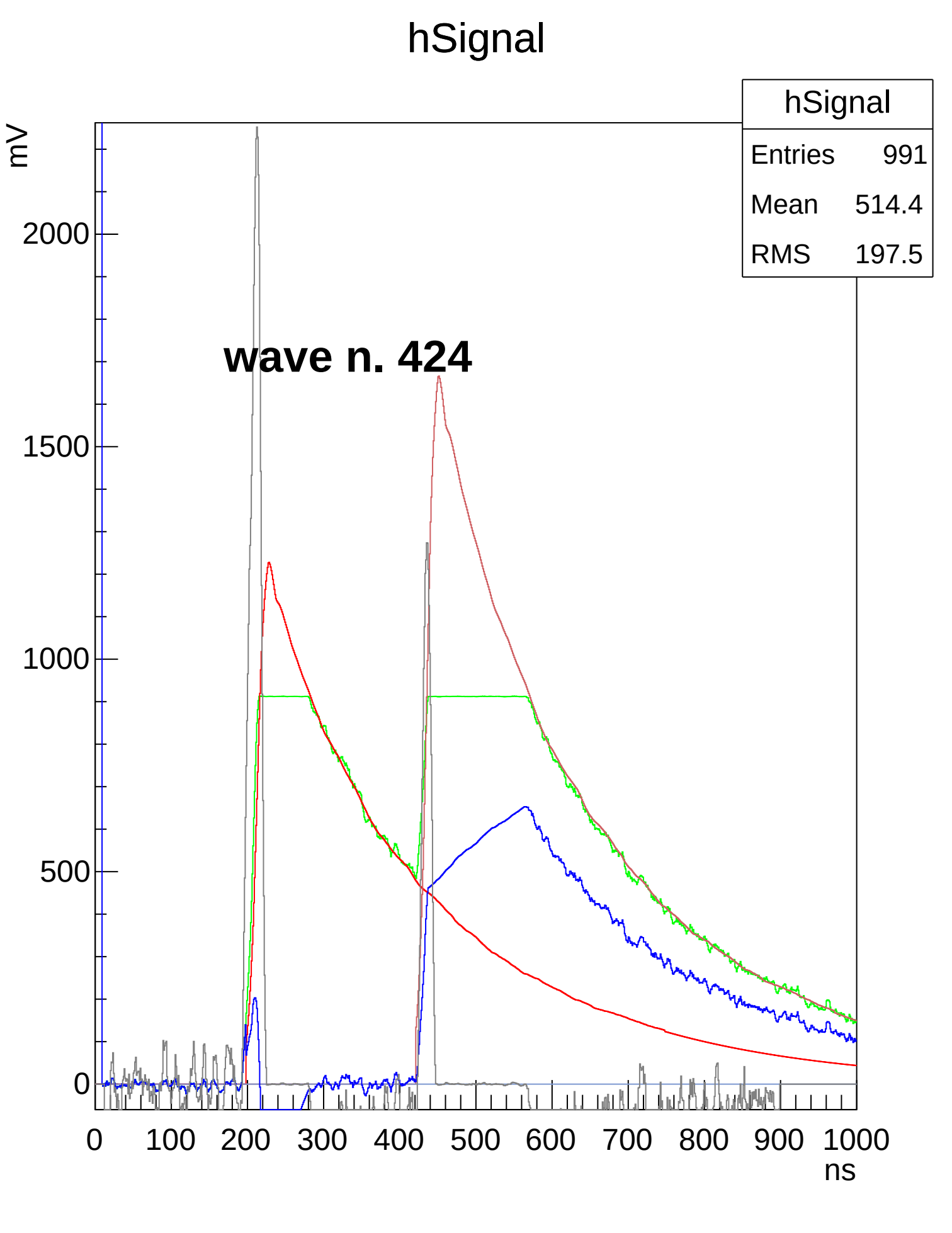

hSignal
hSignal
Entries 991
Mean 489.9
RMS 171.8
wave n. 419
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

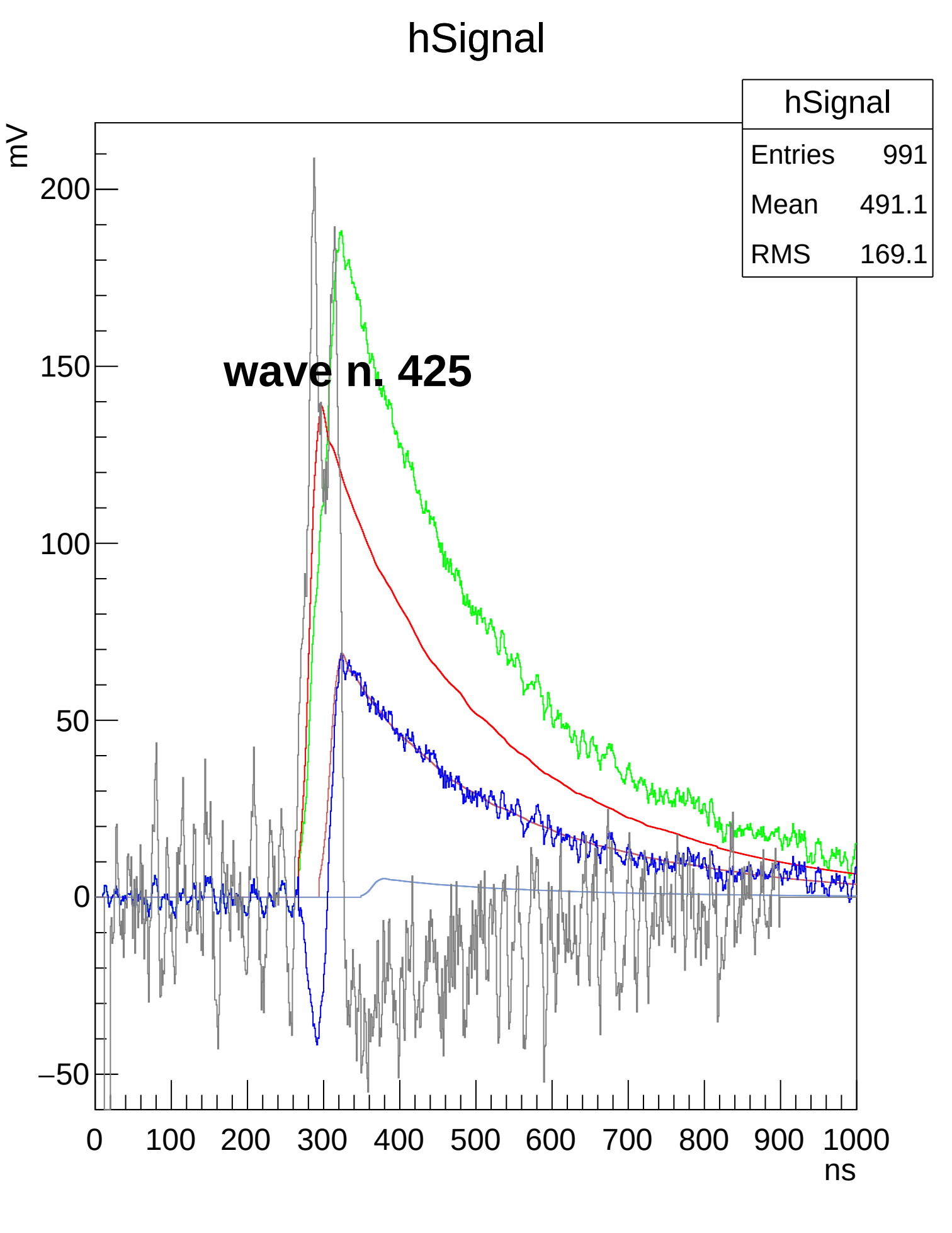

hSignal
hSignal
Entries 991
Mean 472.2
RMS 177.4
wave n. 420
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

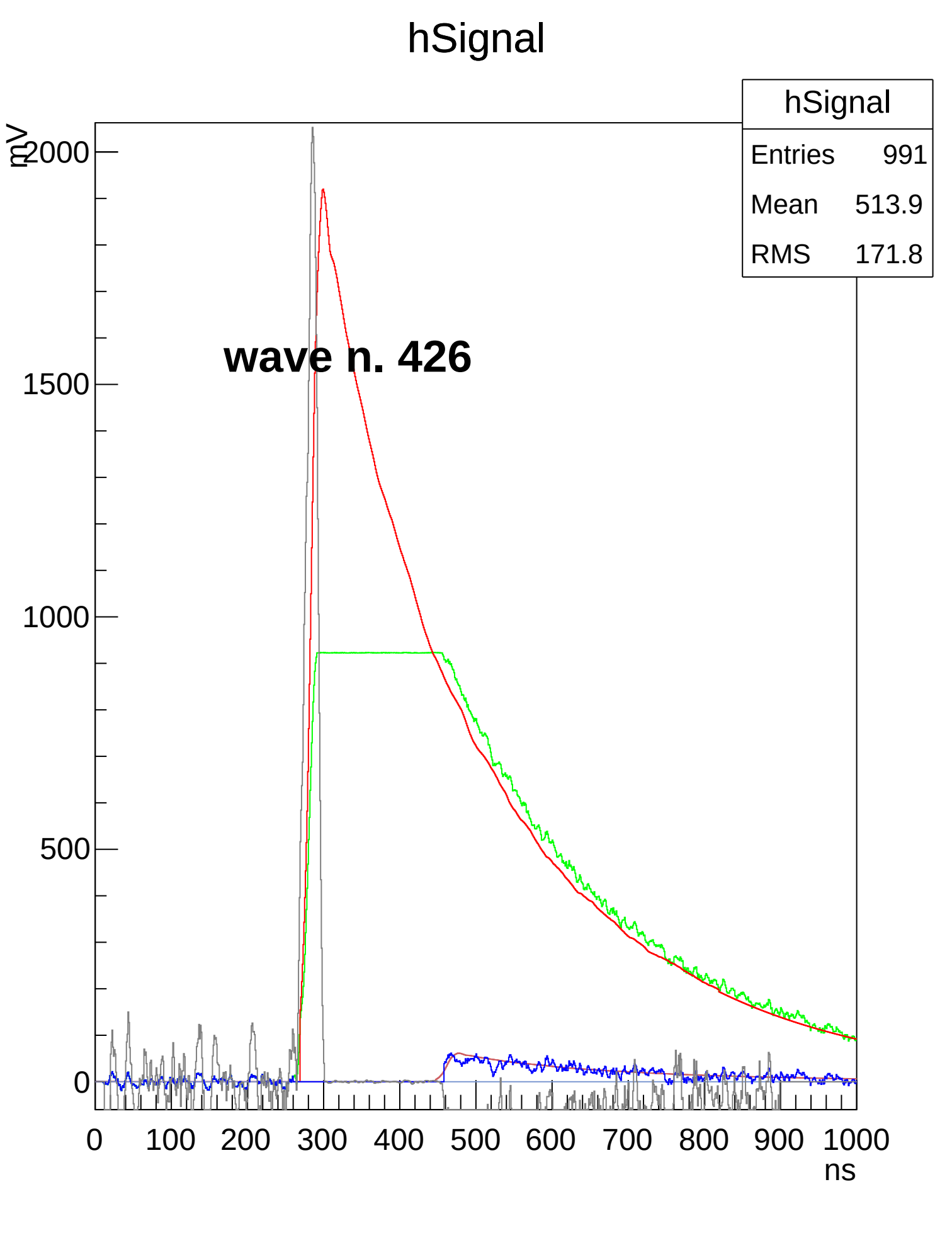

hSignal
hSignal
Entries 991
Mean 477.9
RMS 171.6
wave n. 421
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

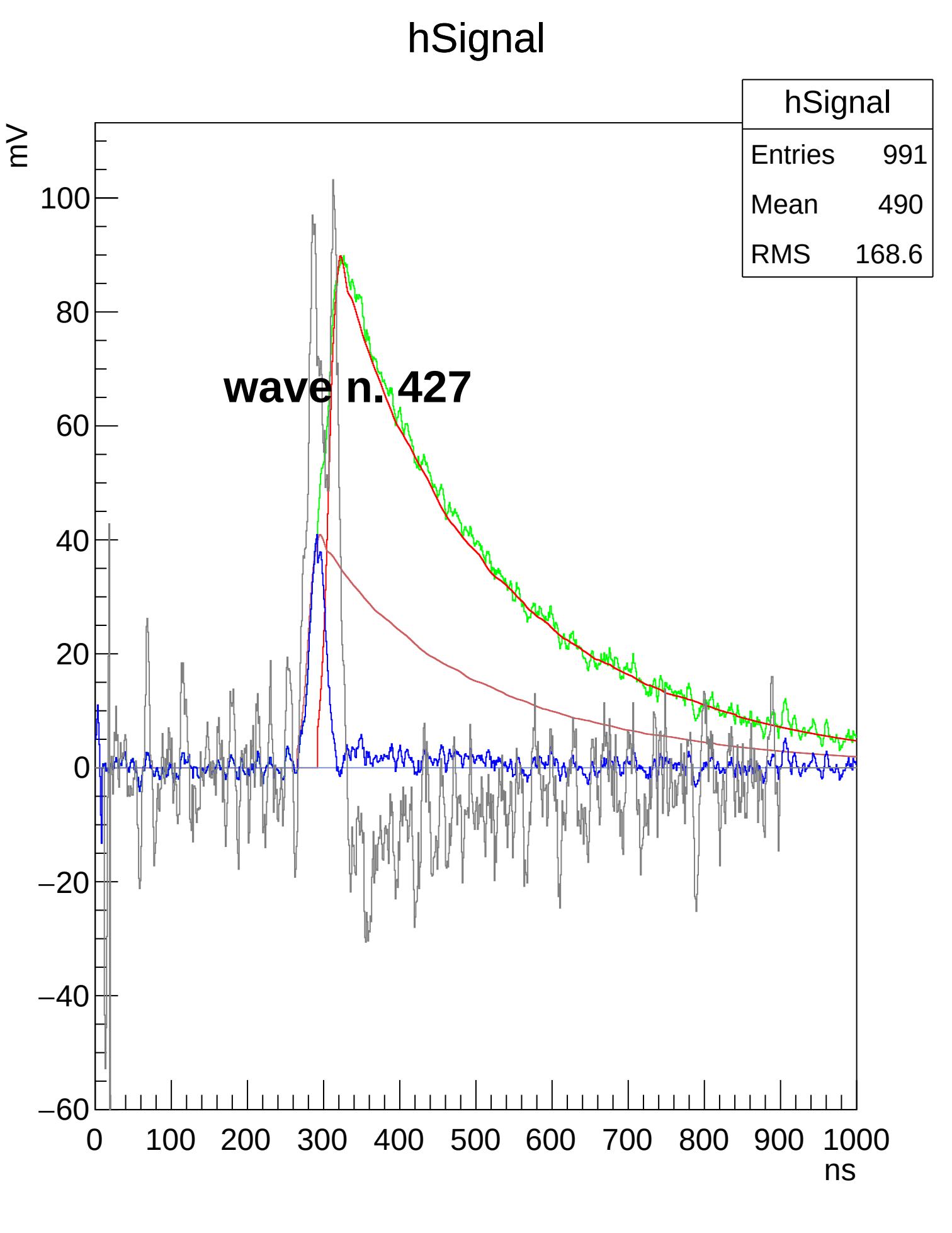

hSignal
hSignal
Entries 991
Mean 538.8
RMS 185.7
wave n. 422
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

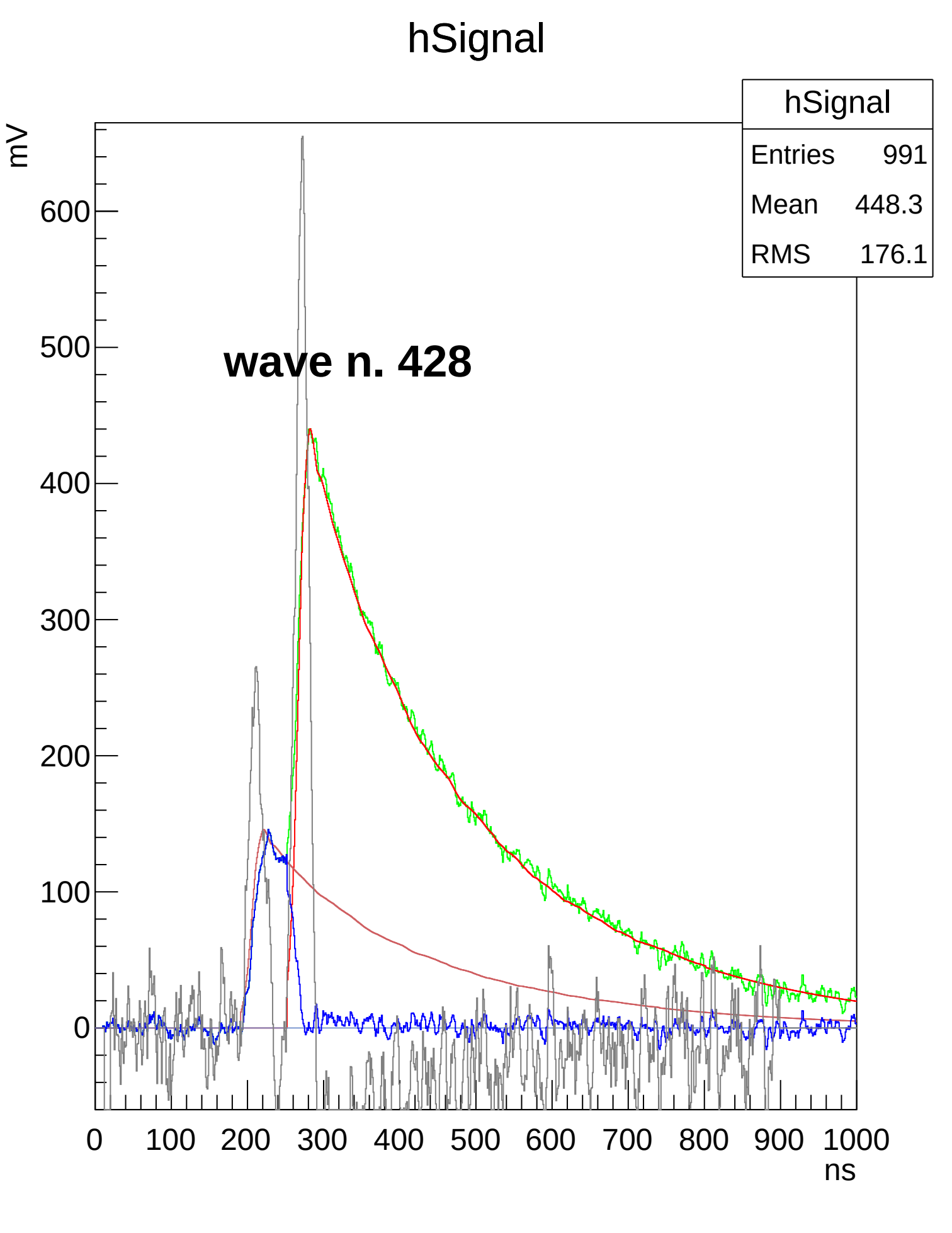

hSignal
hSignal
Entries 991
Mean 508.7
RMS 190.5
wave n. 423
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

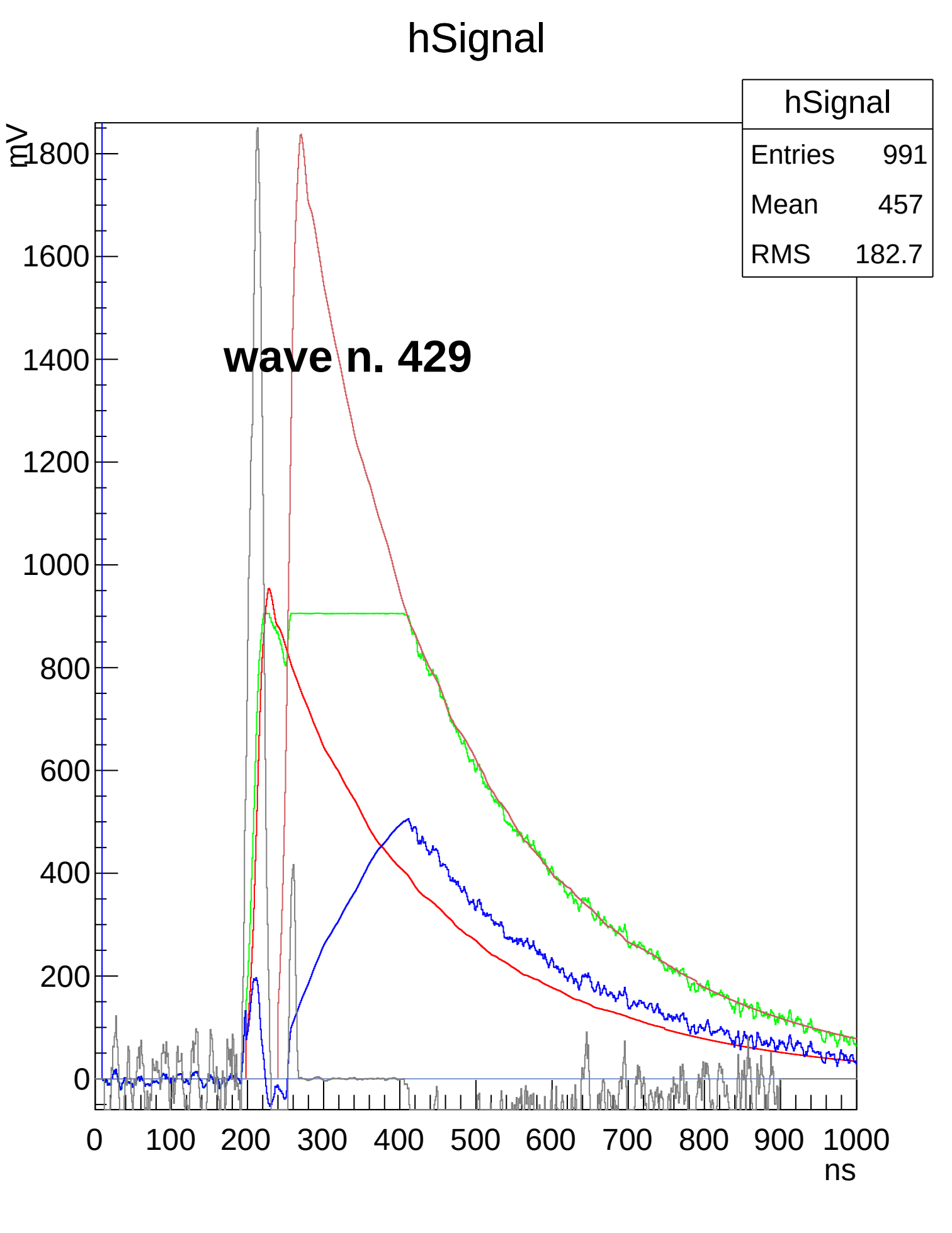

hSignal
hSignal
Entries 991
Mean 514.4
RMS 197.5
wave n. 424
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

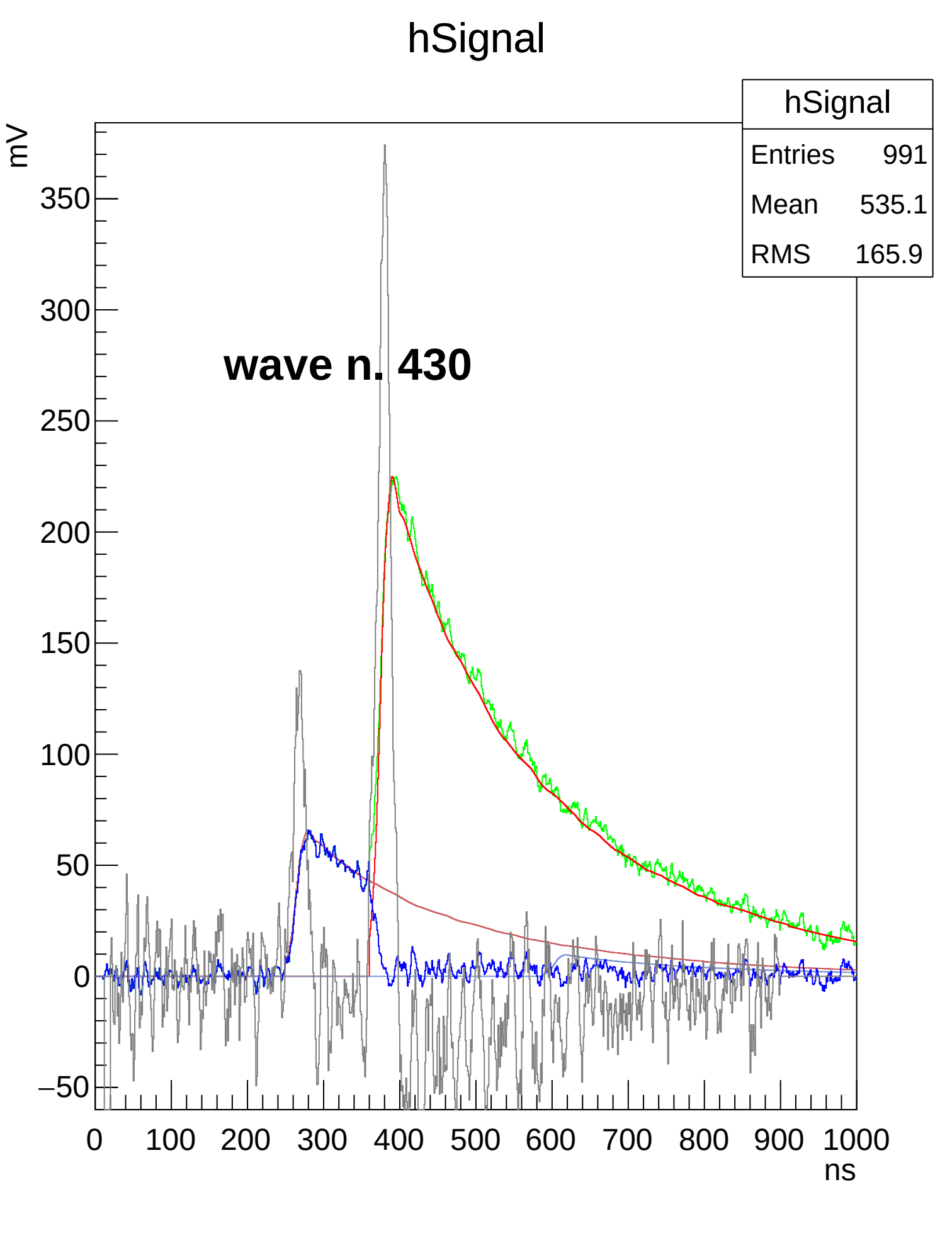

hSignal
hSignal
Entries 991
Mean 491.1
RMS 169.1
wave n. 425
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

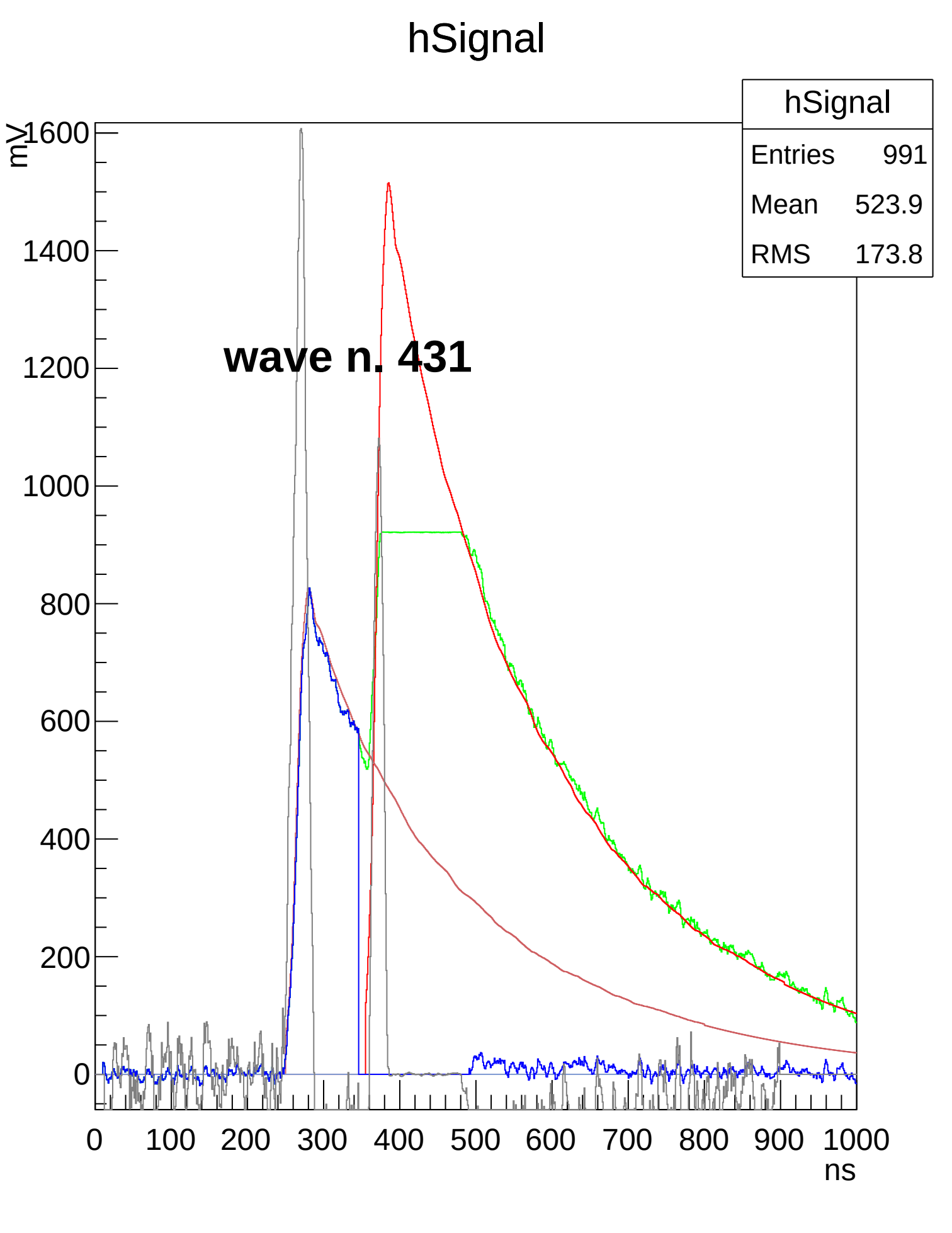

hSignal
hSignal
Entries 991
Mean 513.9
RMS 171.8
wave n. 426
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

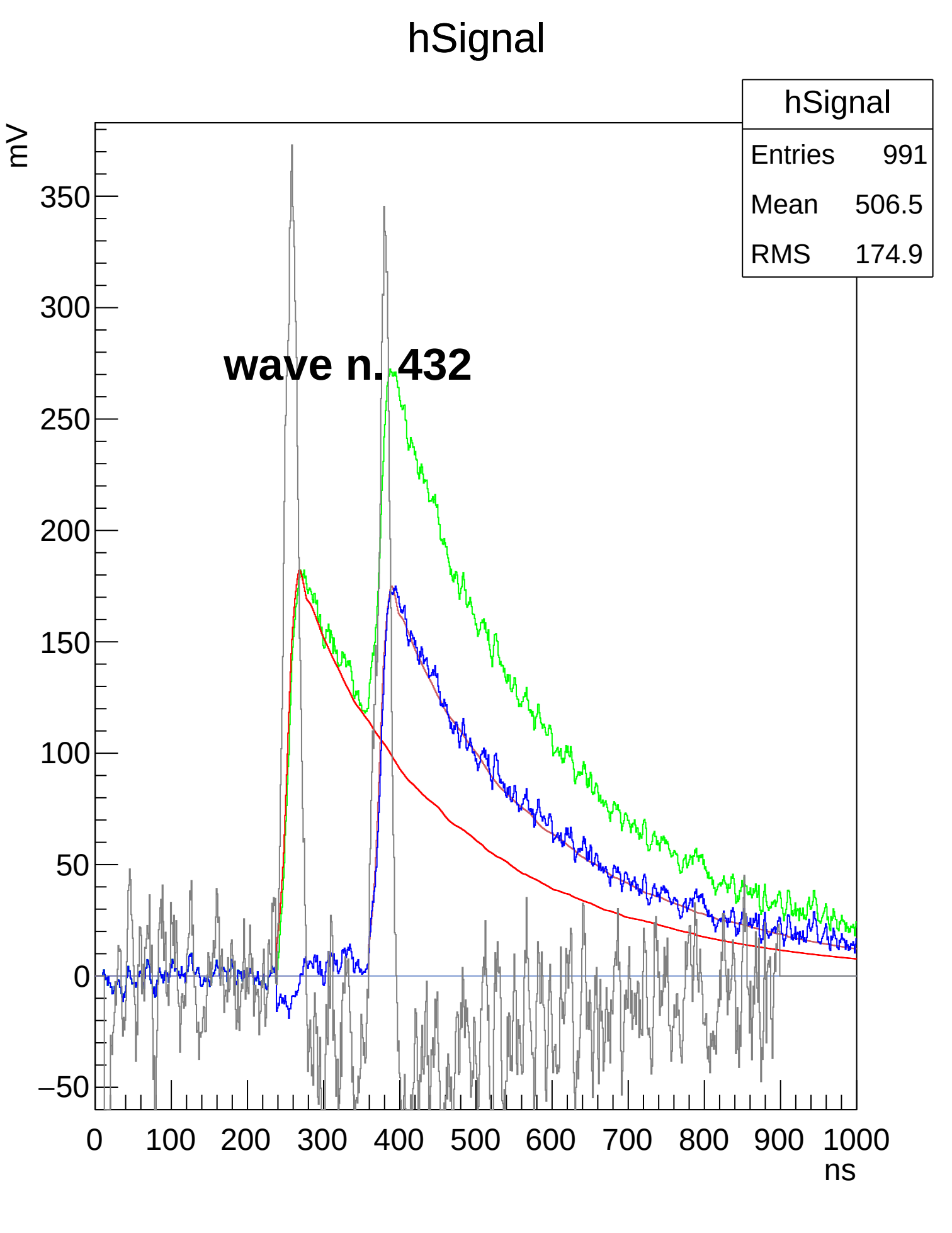

hSignal
hSignal
Entries 991
Mean 490
RMS 168.6
wave n. 427
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

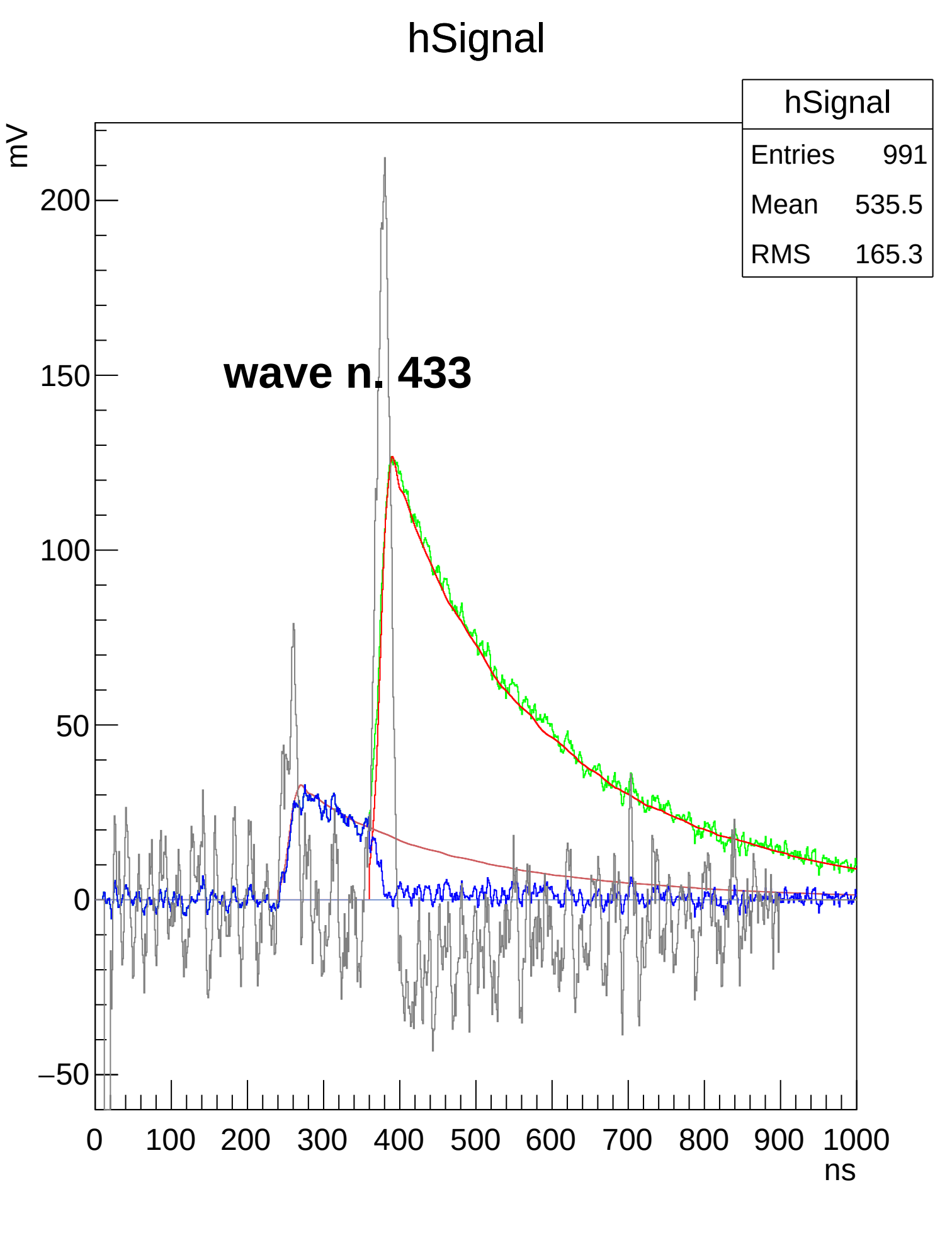

hSignal
hSignal
Entries 991
Mean 448.3
RMS 176.1
wave n. 428
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

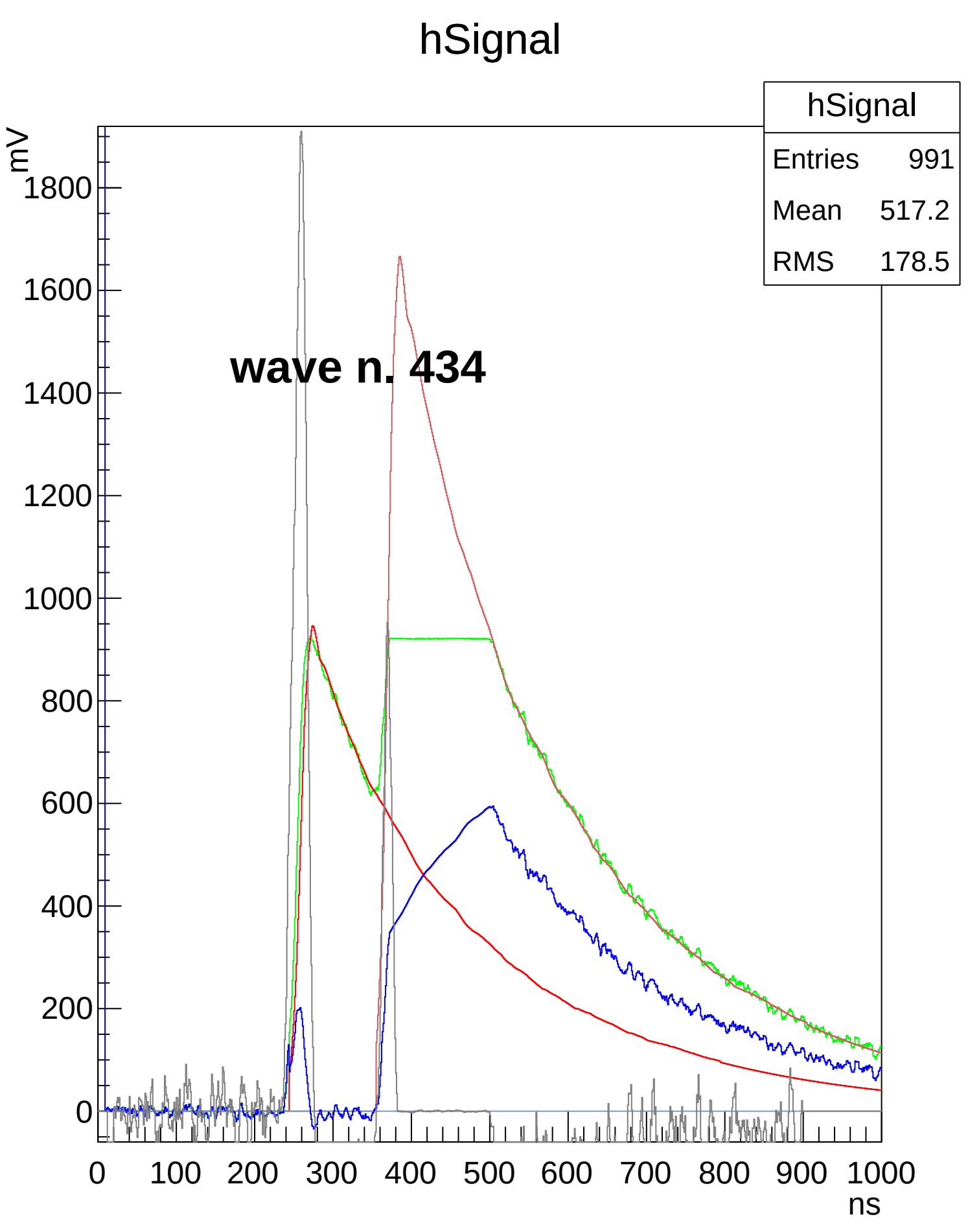

hSignal
hSignal
Entries 991
Mean 457
RMS 182.7
wave n. 429
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

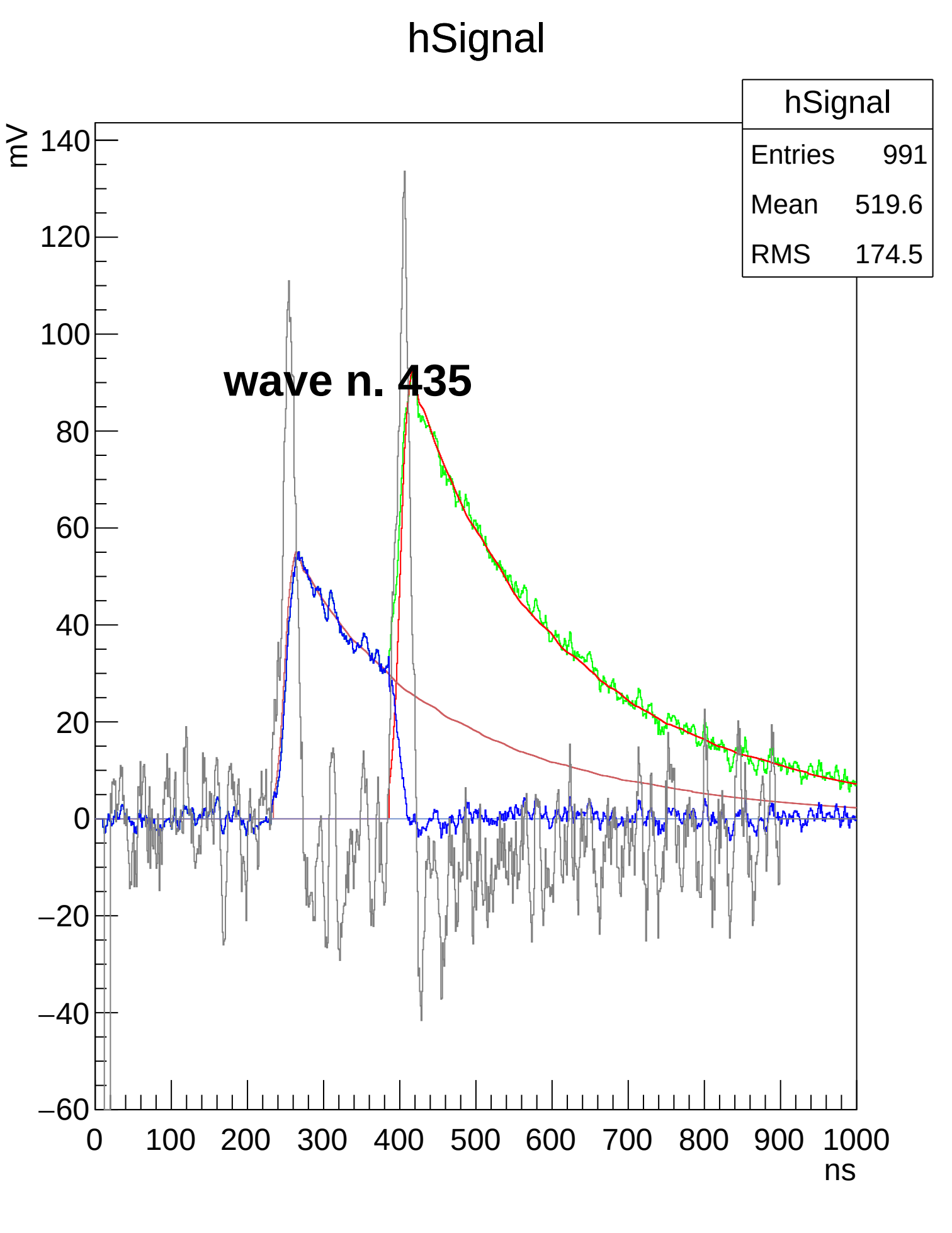

hSignal
hSignal
Entries 991
Mean 535.1
RMS 165.9
wave n. 430
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

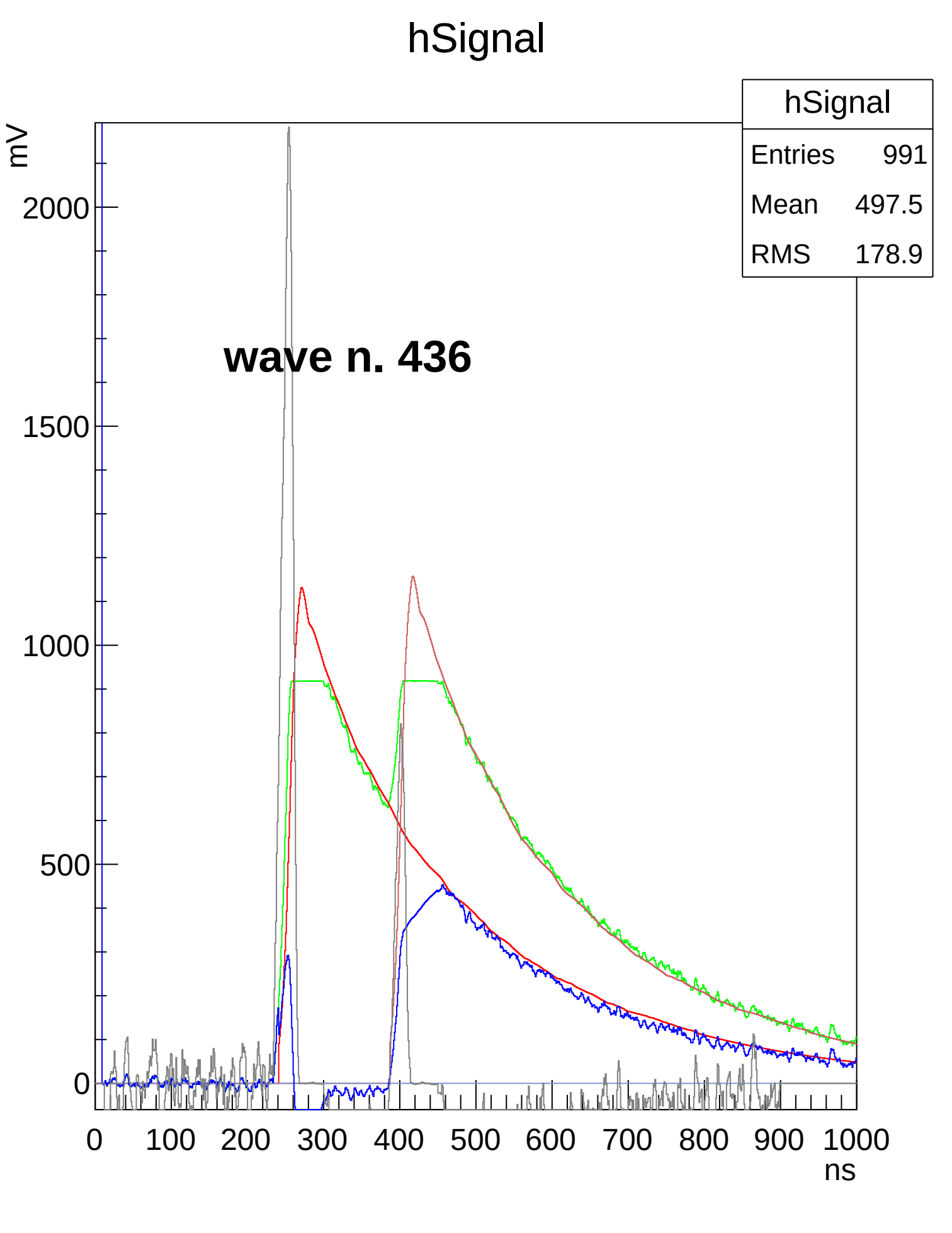

hSignal
hSignal
Entries 991
Mean 523.9
RMS 173.8
wave n. 431
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

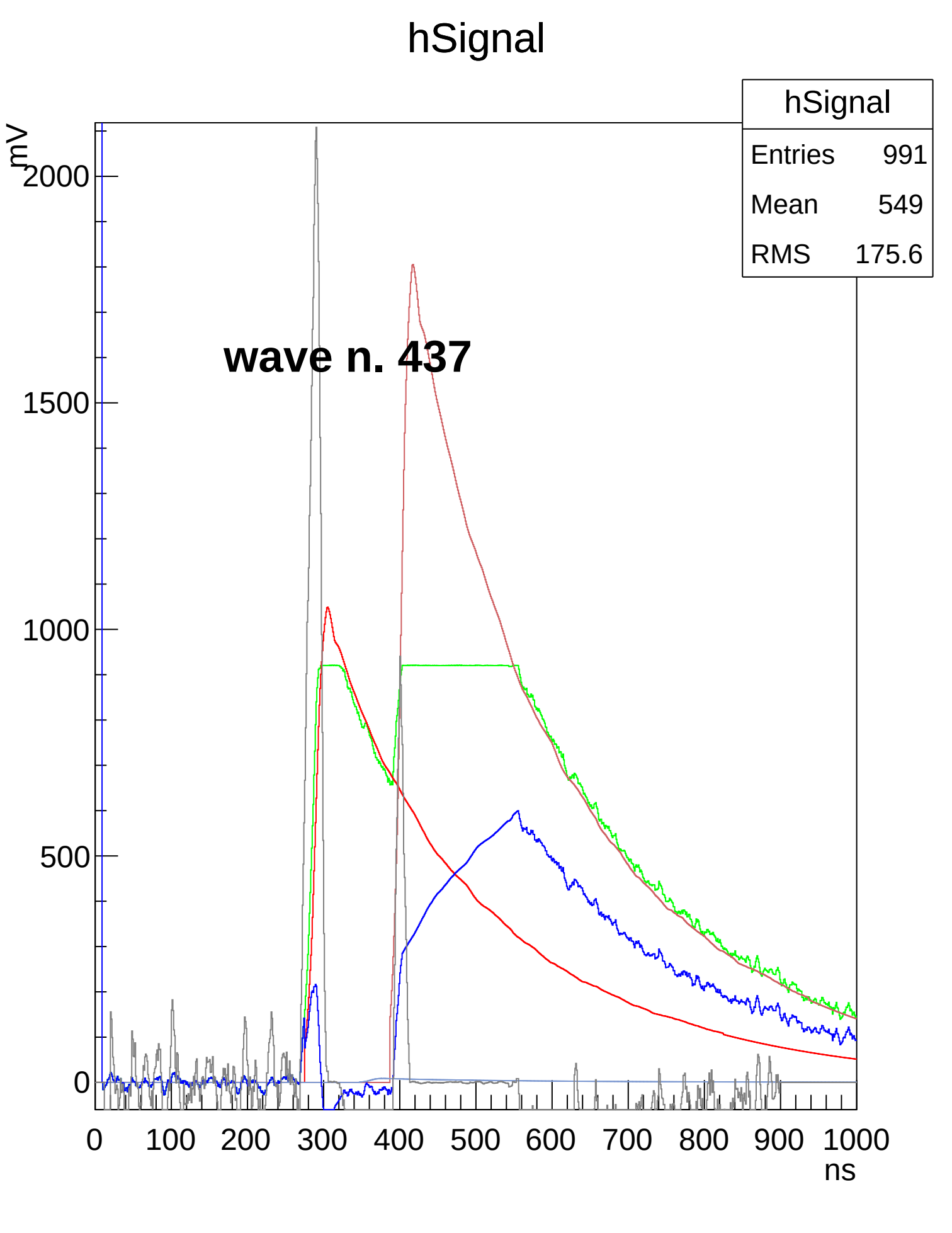

hSignal
hSignal
Entries 991
Mean 506.5
RMS 174.9
wave n. 432
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

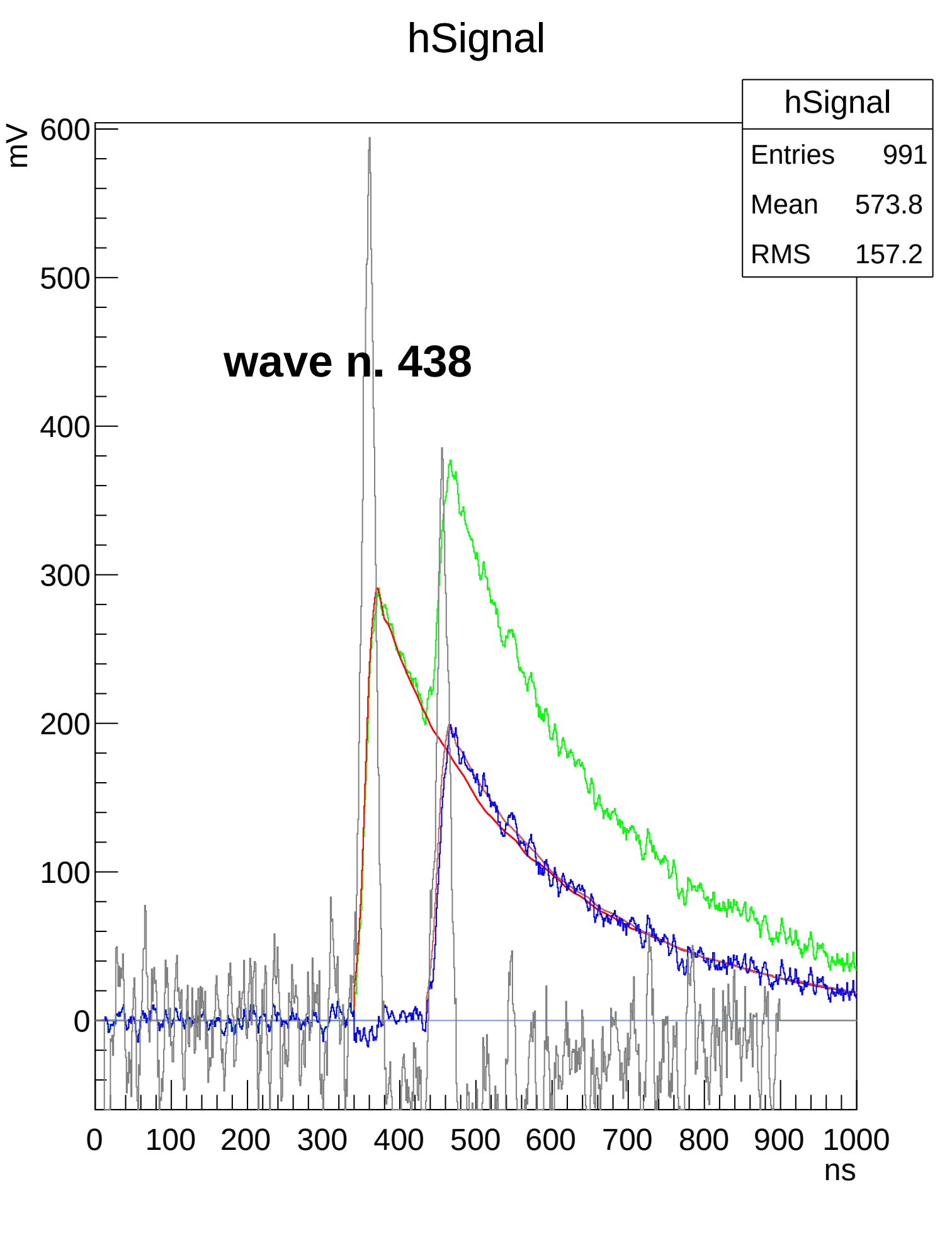

hSignal
hSignal
Entries 991
Mean 535.5
RMS 165.3
wave n. 433
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

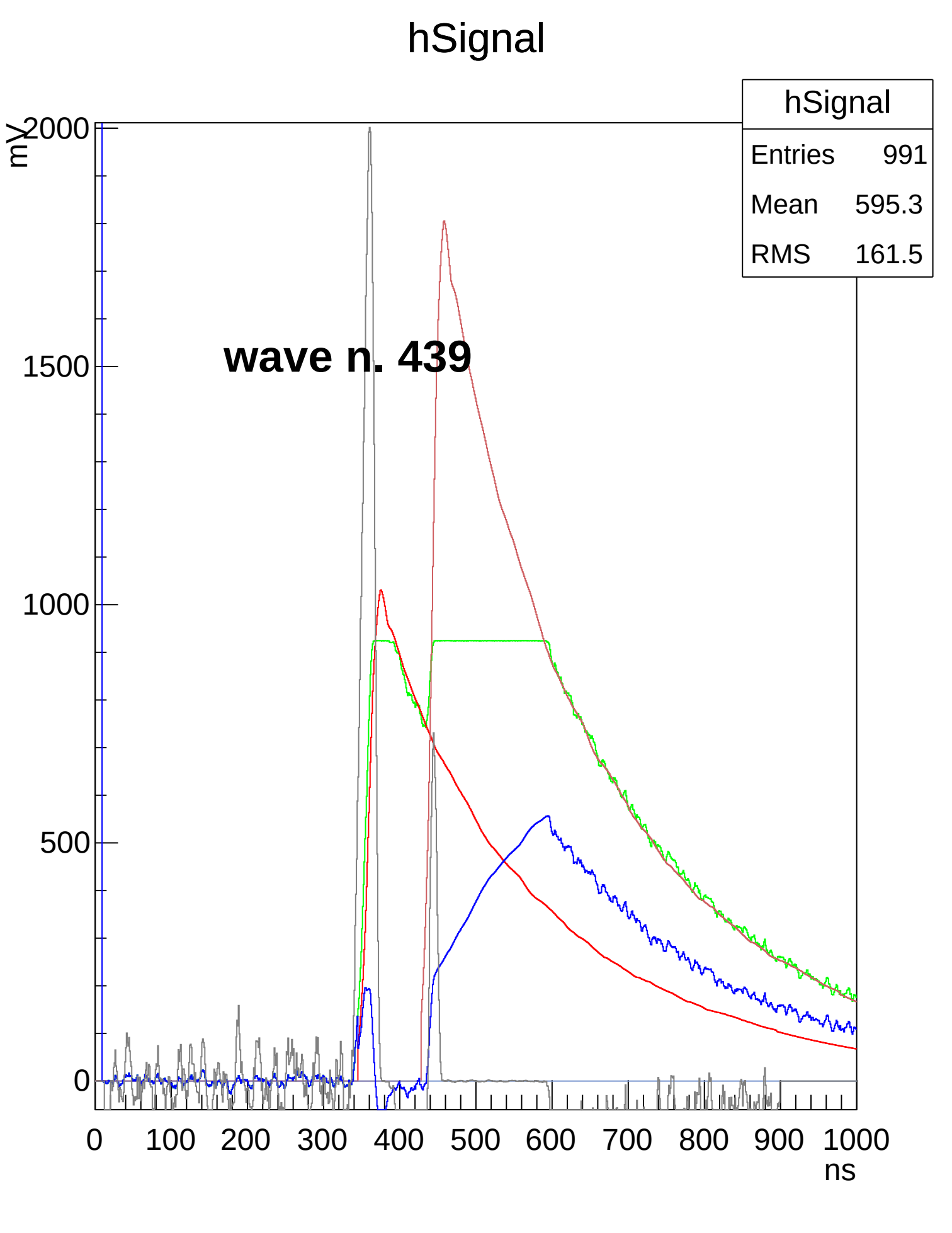

hSignal
hSignal
Entries 991
Mean 517.2
RMS 178.5
wave n. 434
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

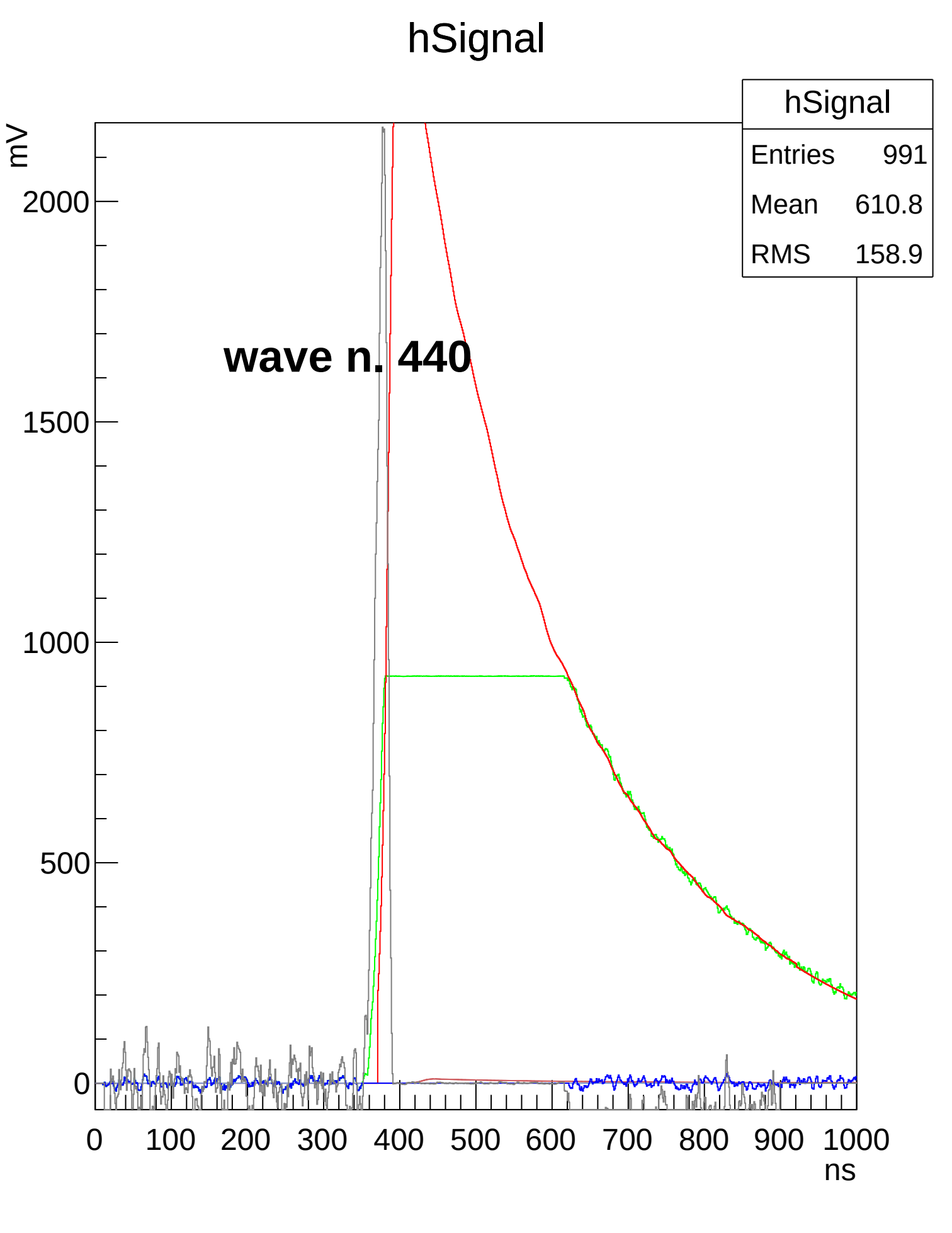

hSignal
hSignal
Entries 991
Mean 519.6
RMS 174.5
wave n. 435
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

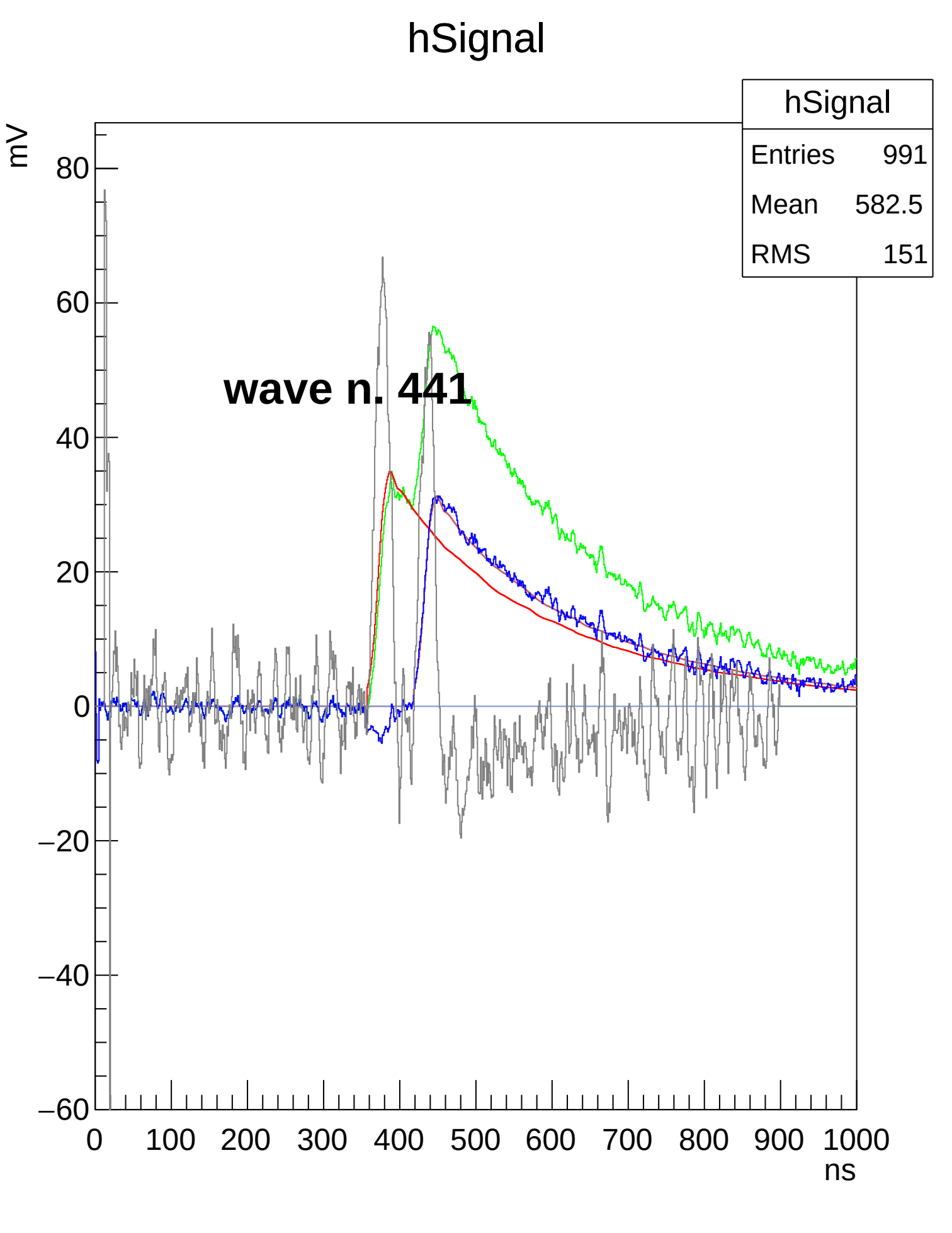

hSignal
hSignal
Entries 991
Mean 497.5
RMS 178.9
wave n. 436
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

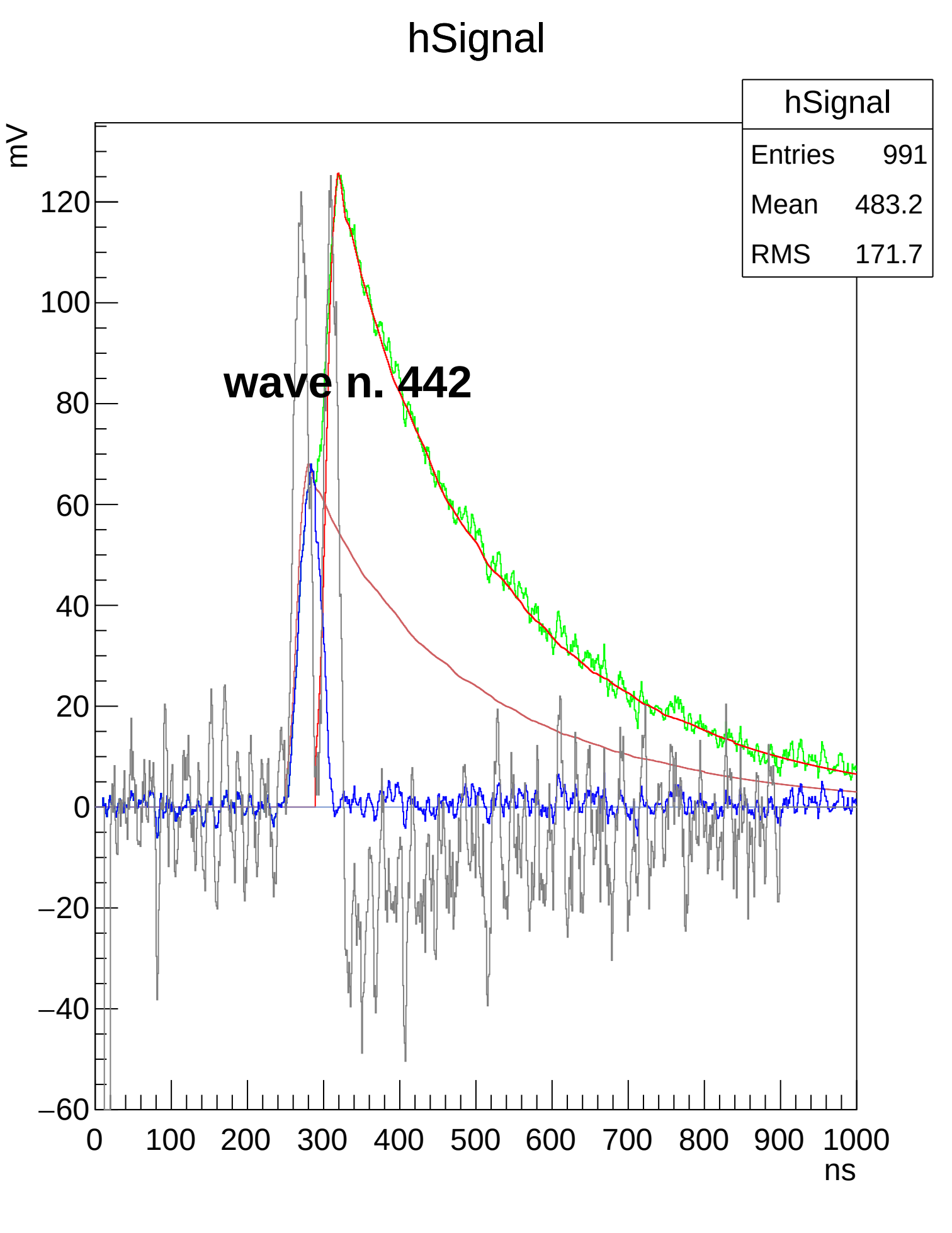

hSignal
hSignal
Entries 991
Mean 549
RMS 175.6
wave n. 437
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

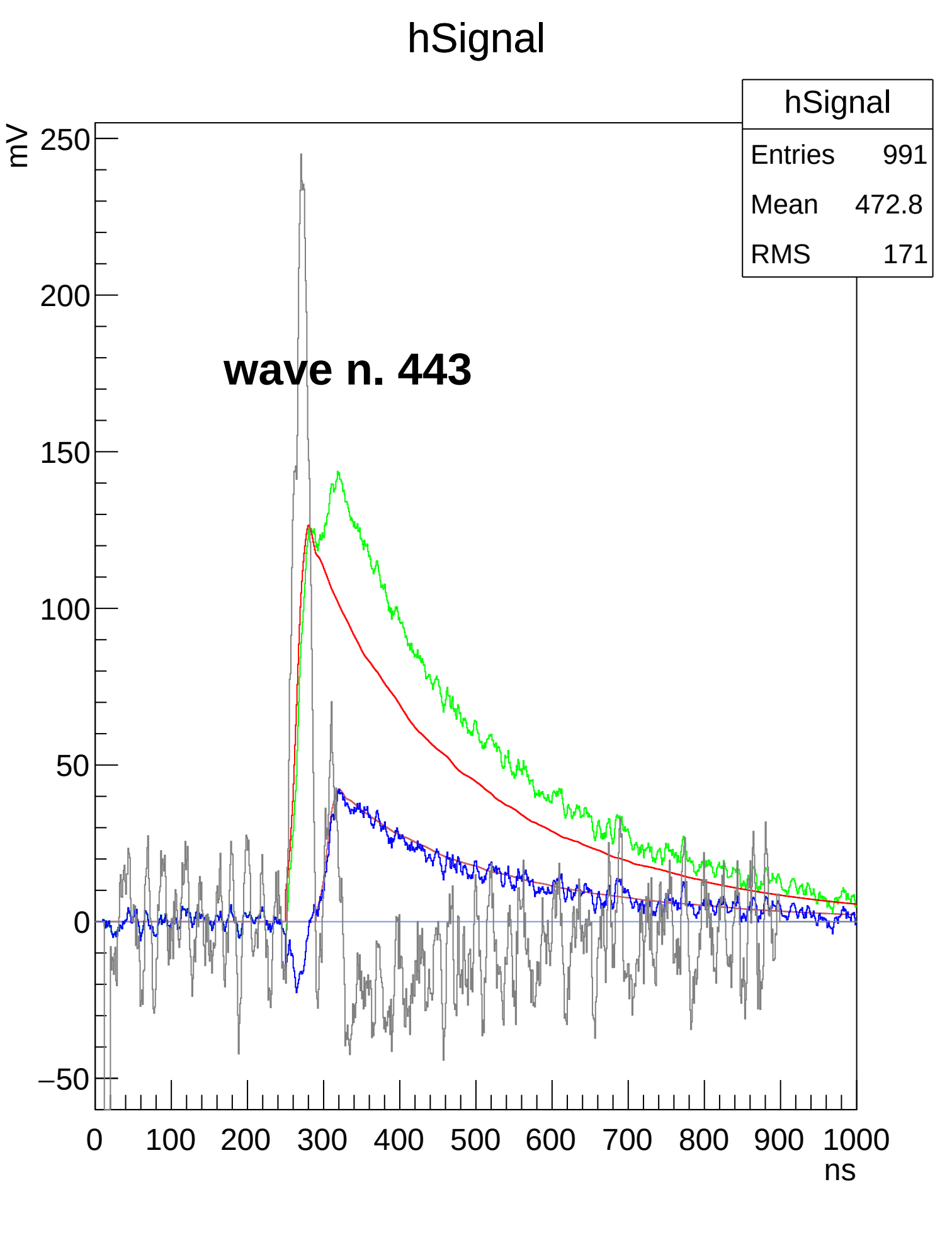

hSignal
hSignal
Entries 991
Mean 573.8
RMS 157.2
wave n. 438
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

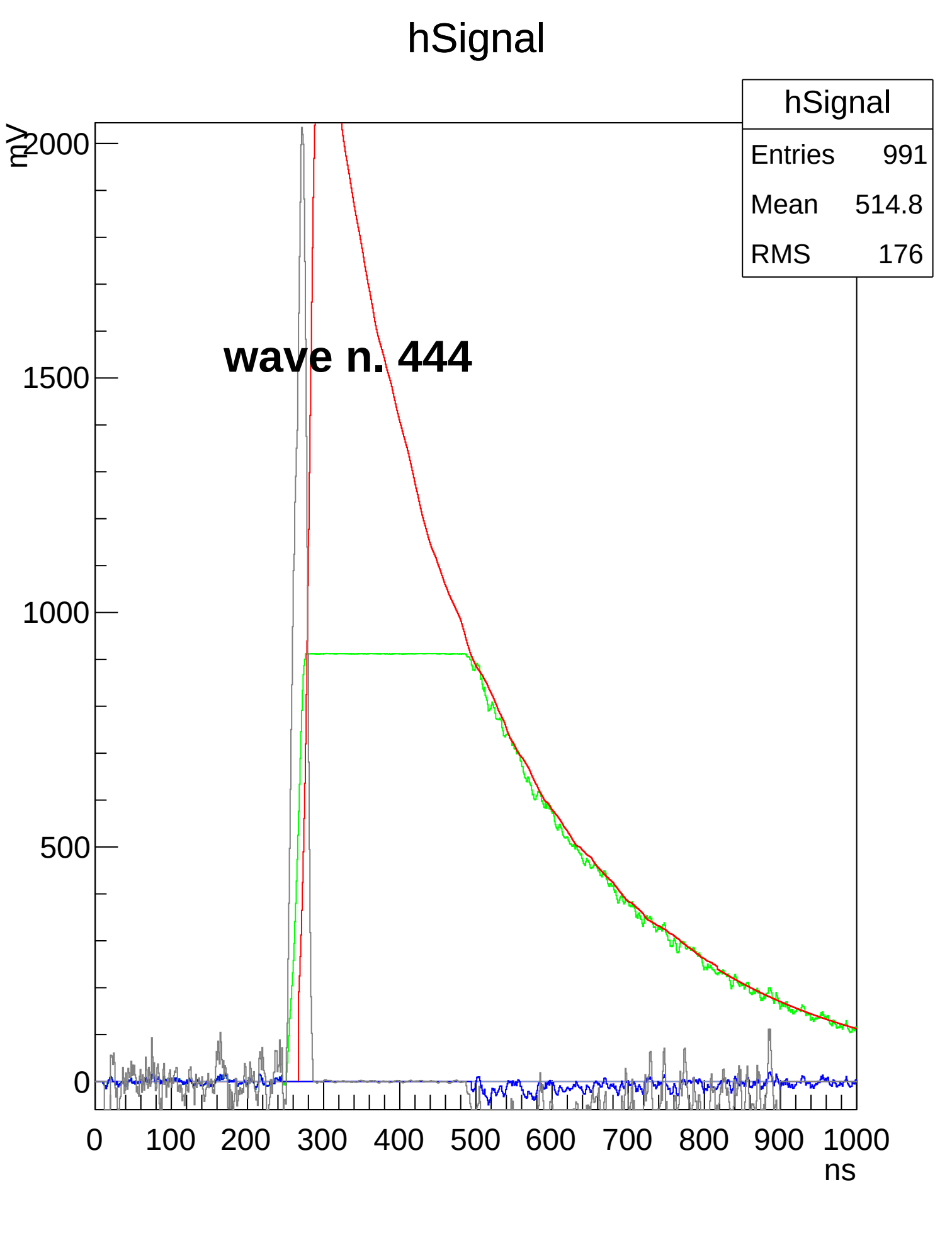

hSignal
hSignal
Entries 991
Mean 595.3
RMS 161.5
wave n. 439
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

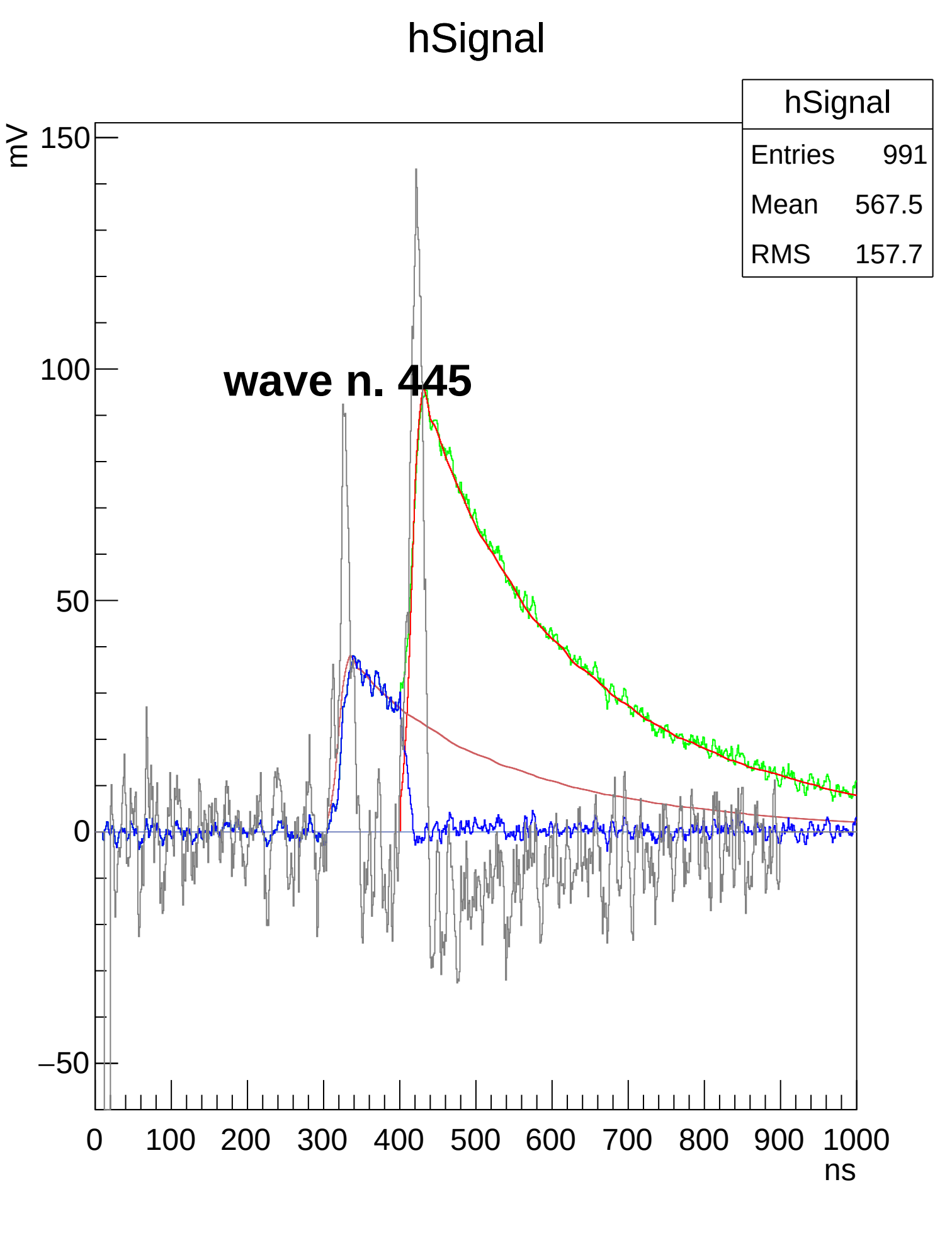

hSignal
hSignal
Entries 991
Mean 610.8
RMS 158.9
wave n. 440
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

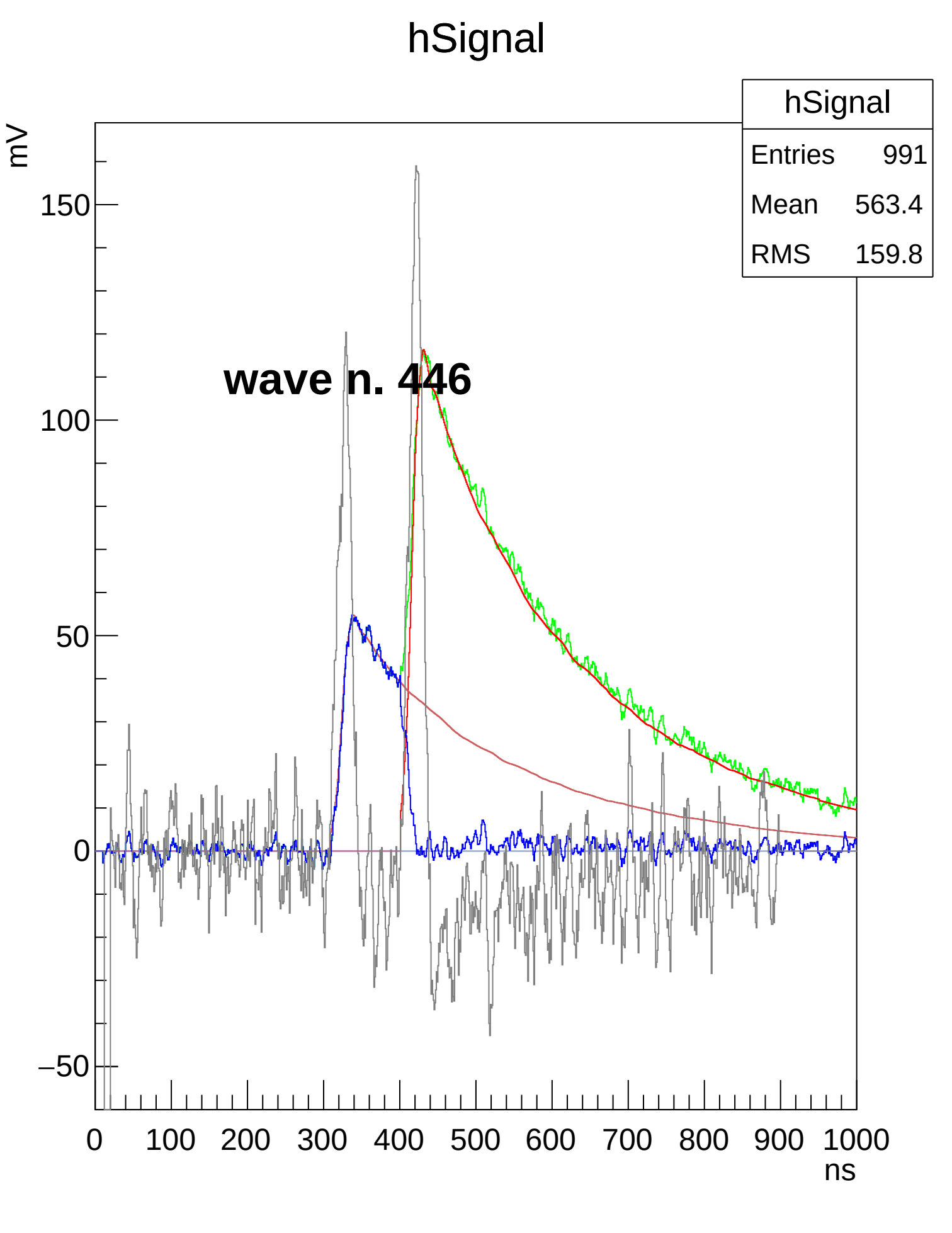

hSignal
hSignal
Entries 991
Mean 582.5
RMS 151
wave n. 441
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

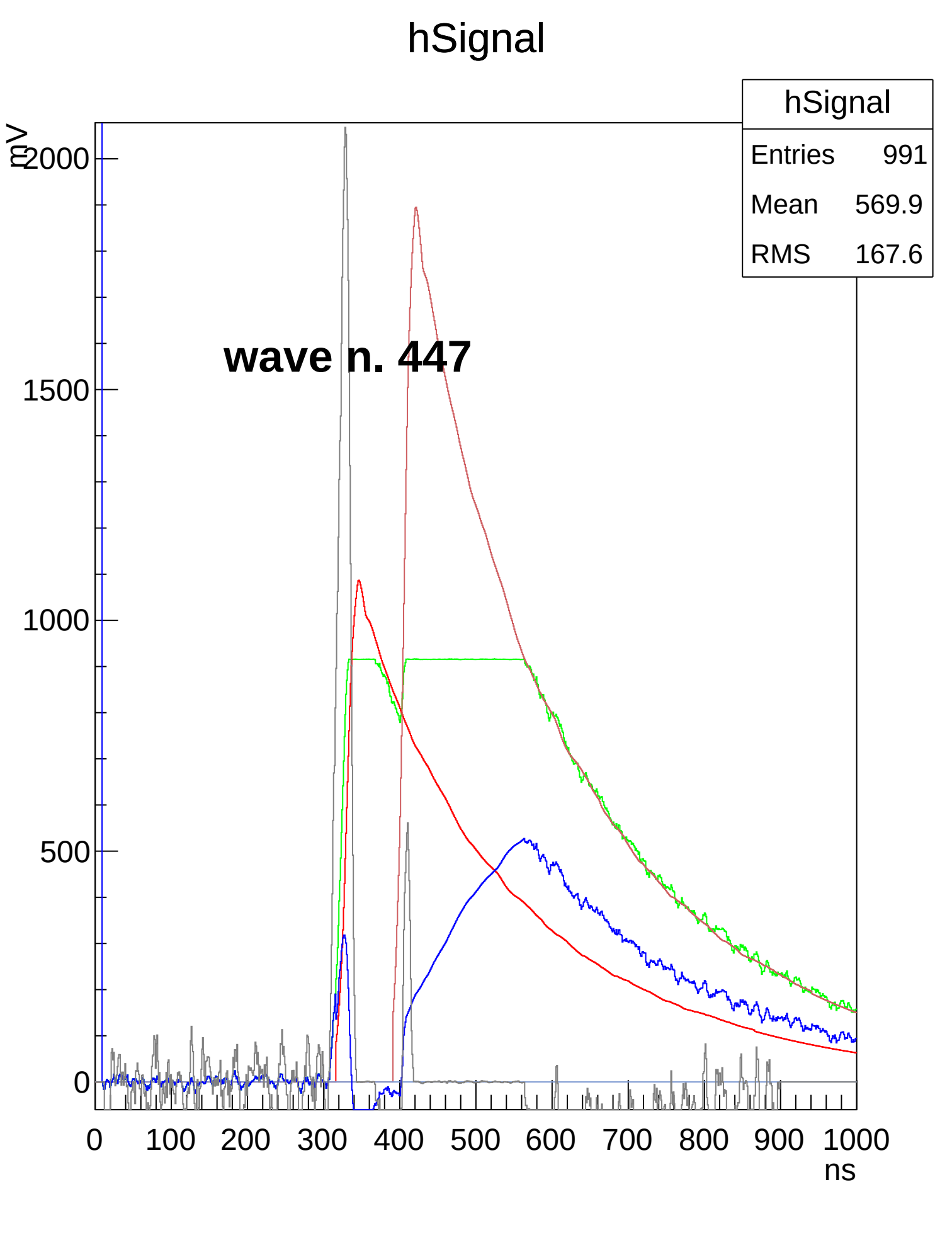

hSignal
hSignal
Entries 991
Mean 483.2
RMS 171.7
wave n. 442
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

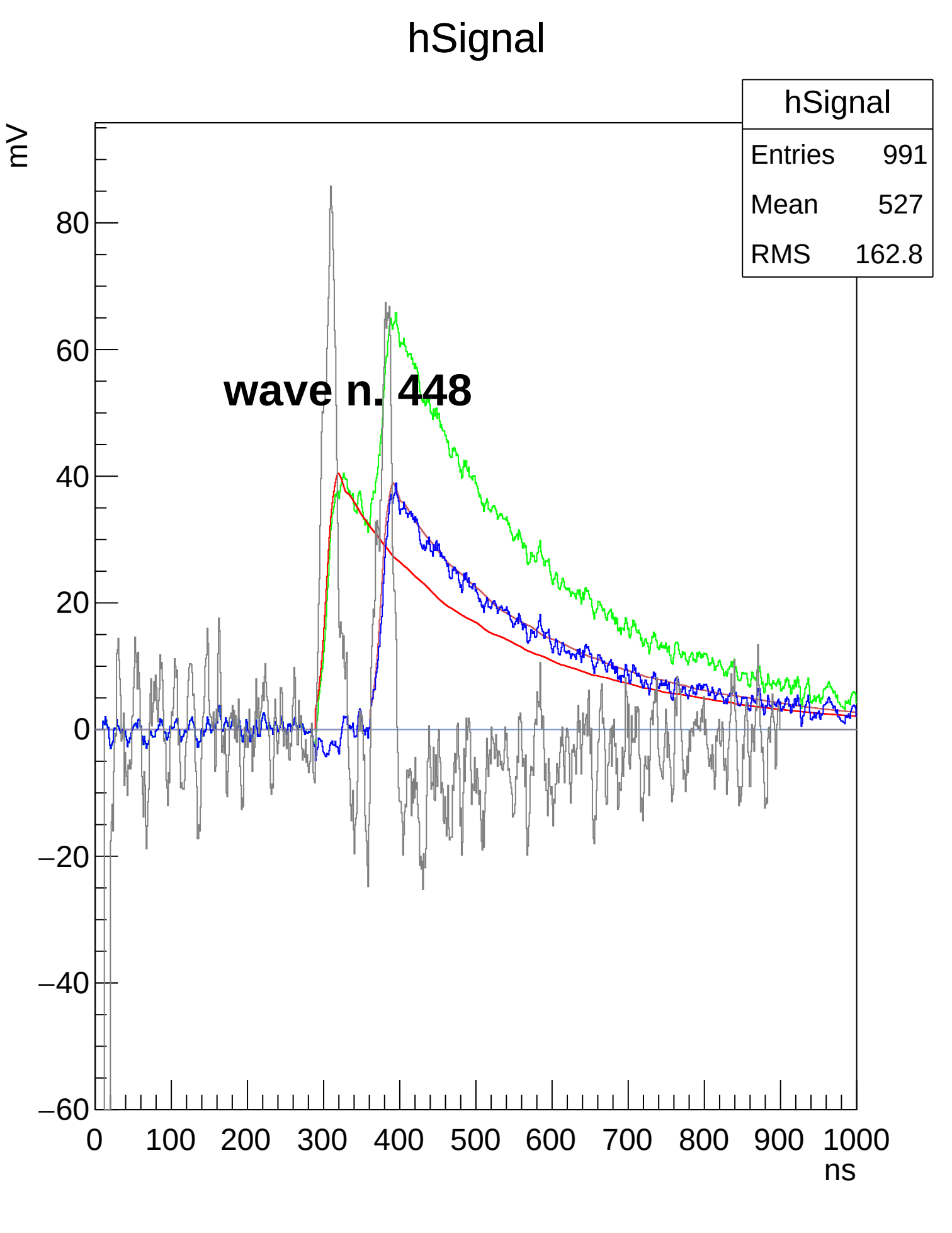

hSignal
hSignal
Entries 991
Mean 472.8
RMS 171
wave n. 443
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

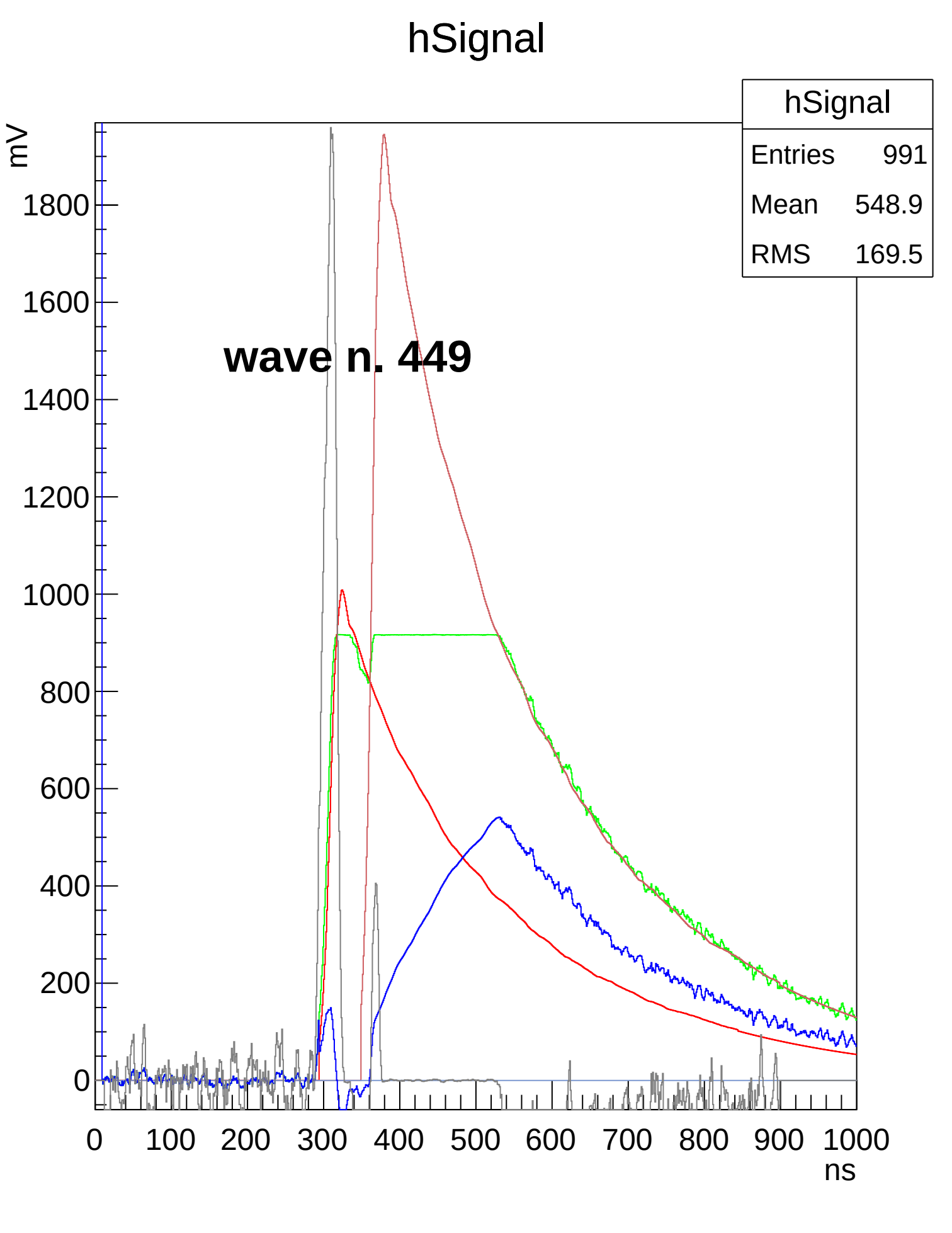

hSignal
hSignal
Entries 991
Mean 514.8
RMS 176
wave n. 444
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

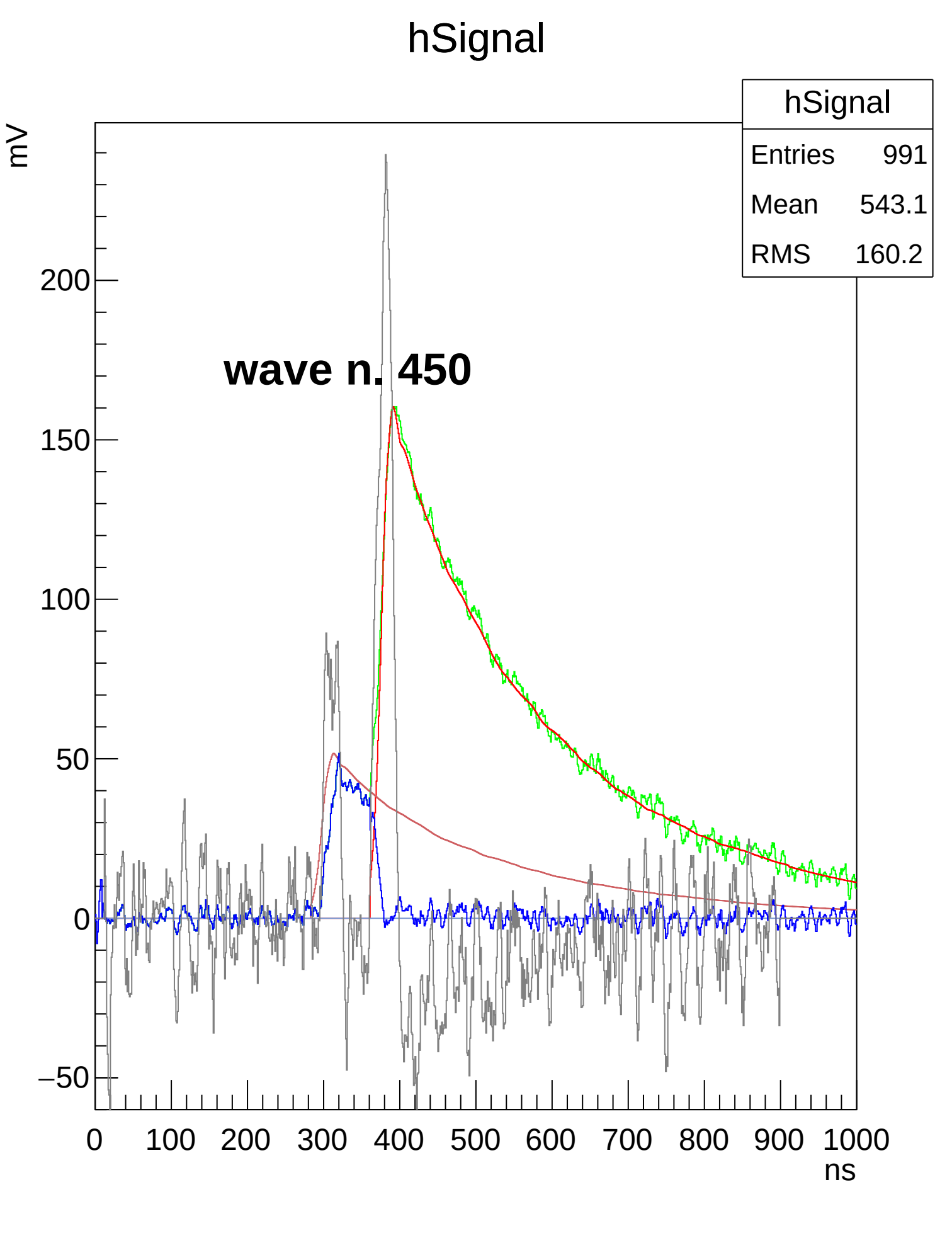

hSignal
hSignal
Entries 991
Mean 567.5
RMS 157.7
wave n. 445
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

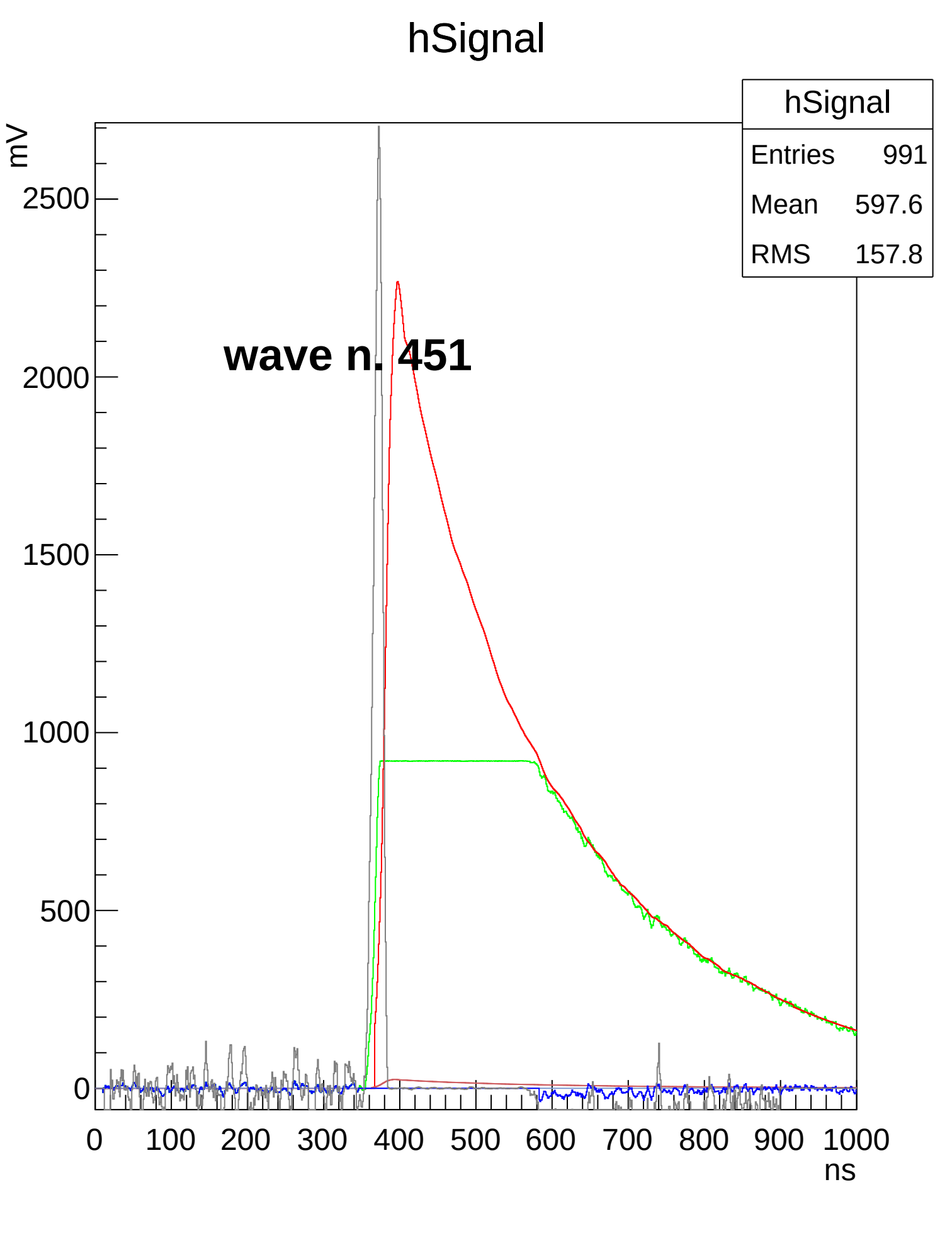

hSignal
hSignal
Entries 991
Mean 563.4
RMS 159.8
wave n. 446
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

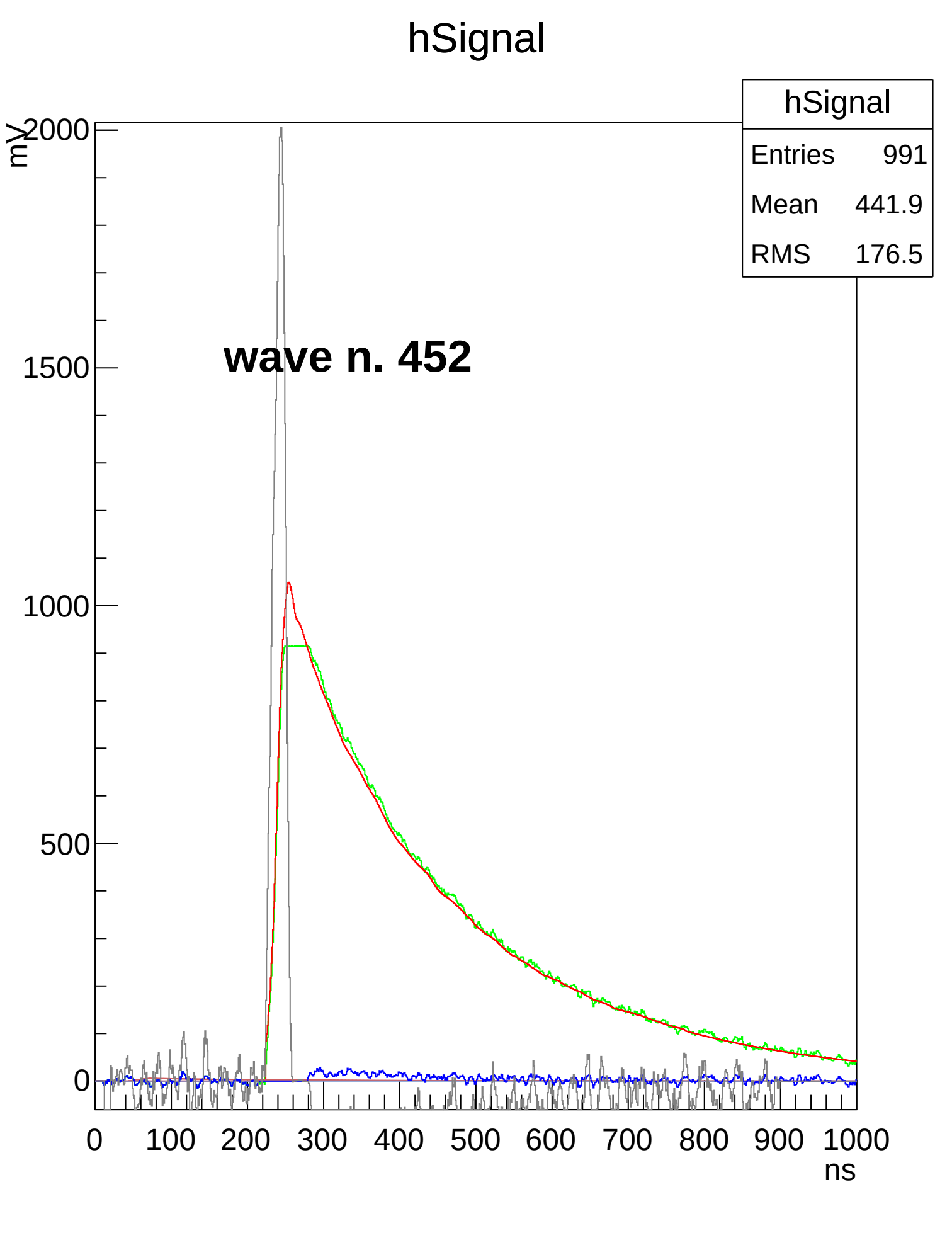

hSignal
hSignal
Entries 991
Mean 569.9
RMS 167.6
wave n. 447
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

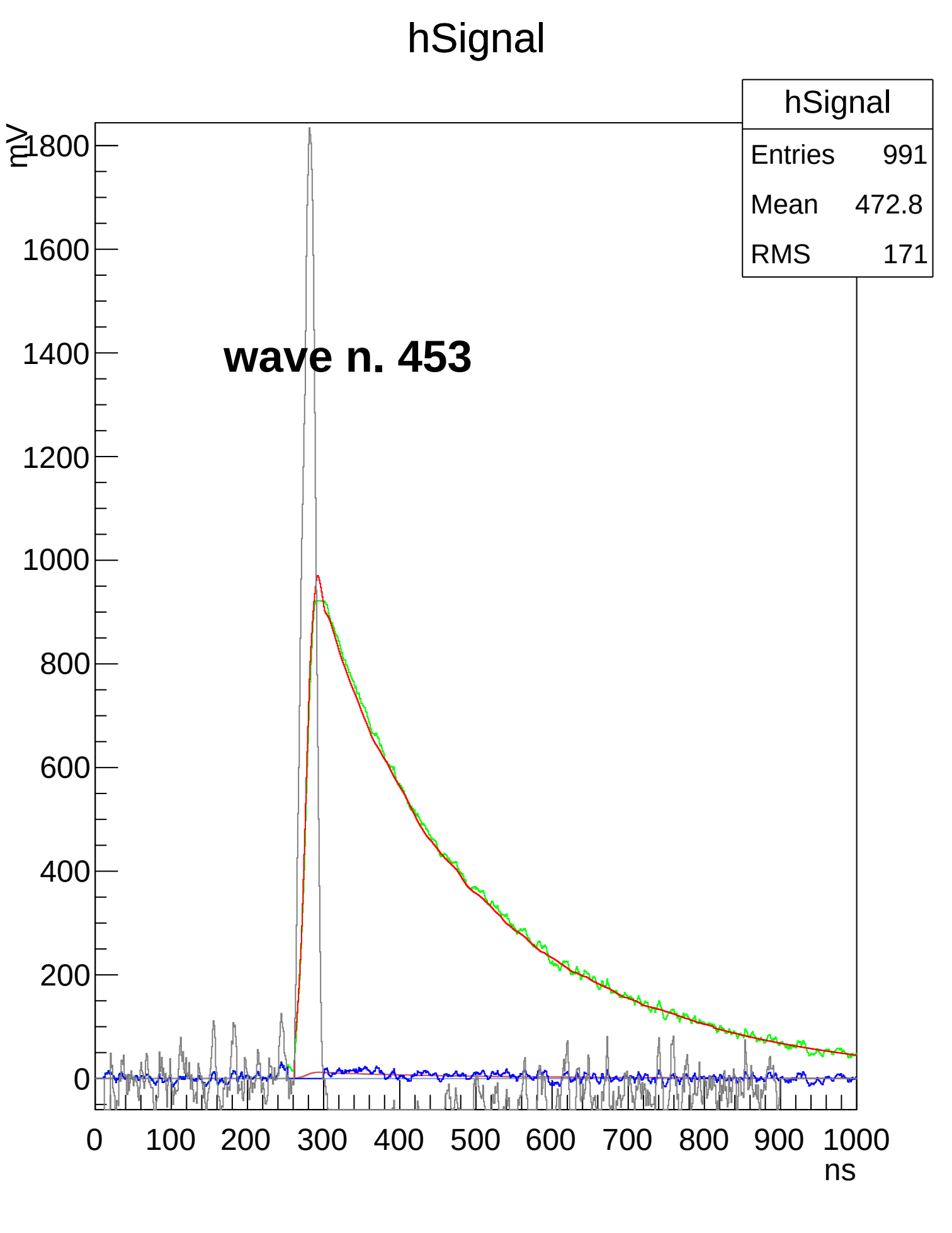

hSignal
hSignal
Entries 991
Mean 527
RMS 162.8
wave n. 448
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

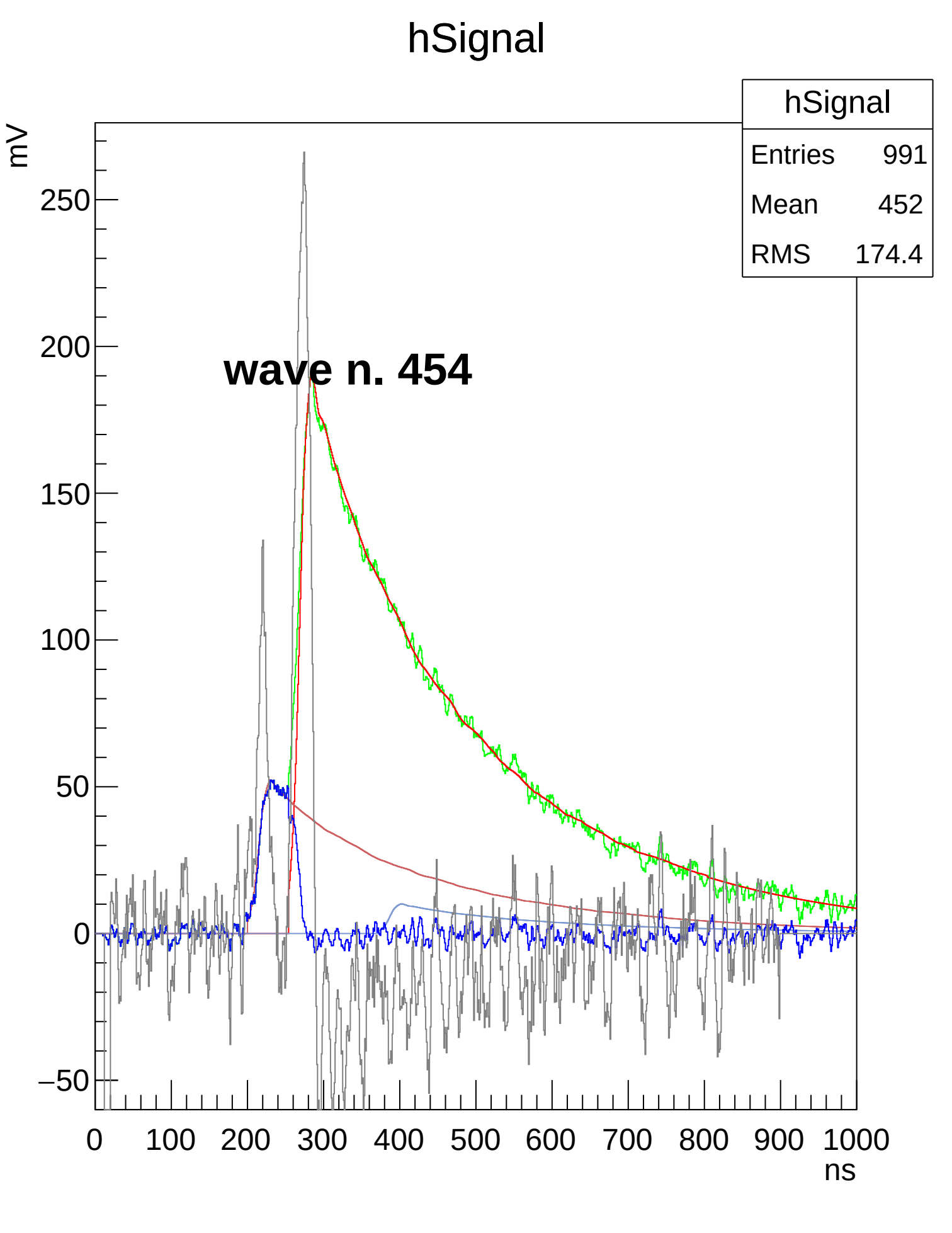

hSignal
hSignal
Entries 991
Mean 548.9
RMS 169.5
wave n. 449
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

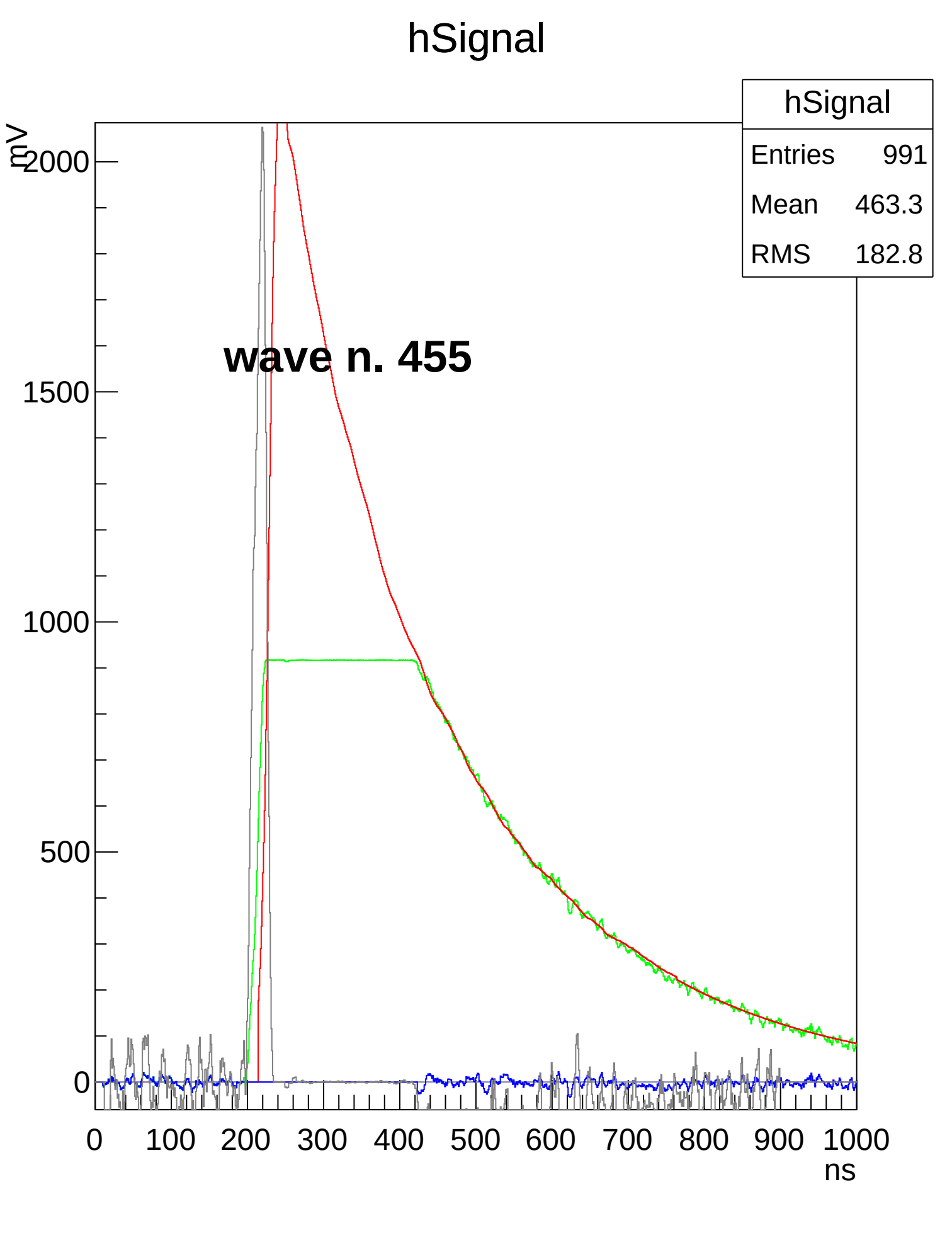

hSignal
hSignal
Entries 991
Mean 543.1
RMS 160.2
wave n. 450
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

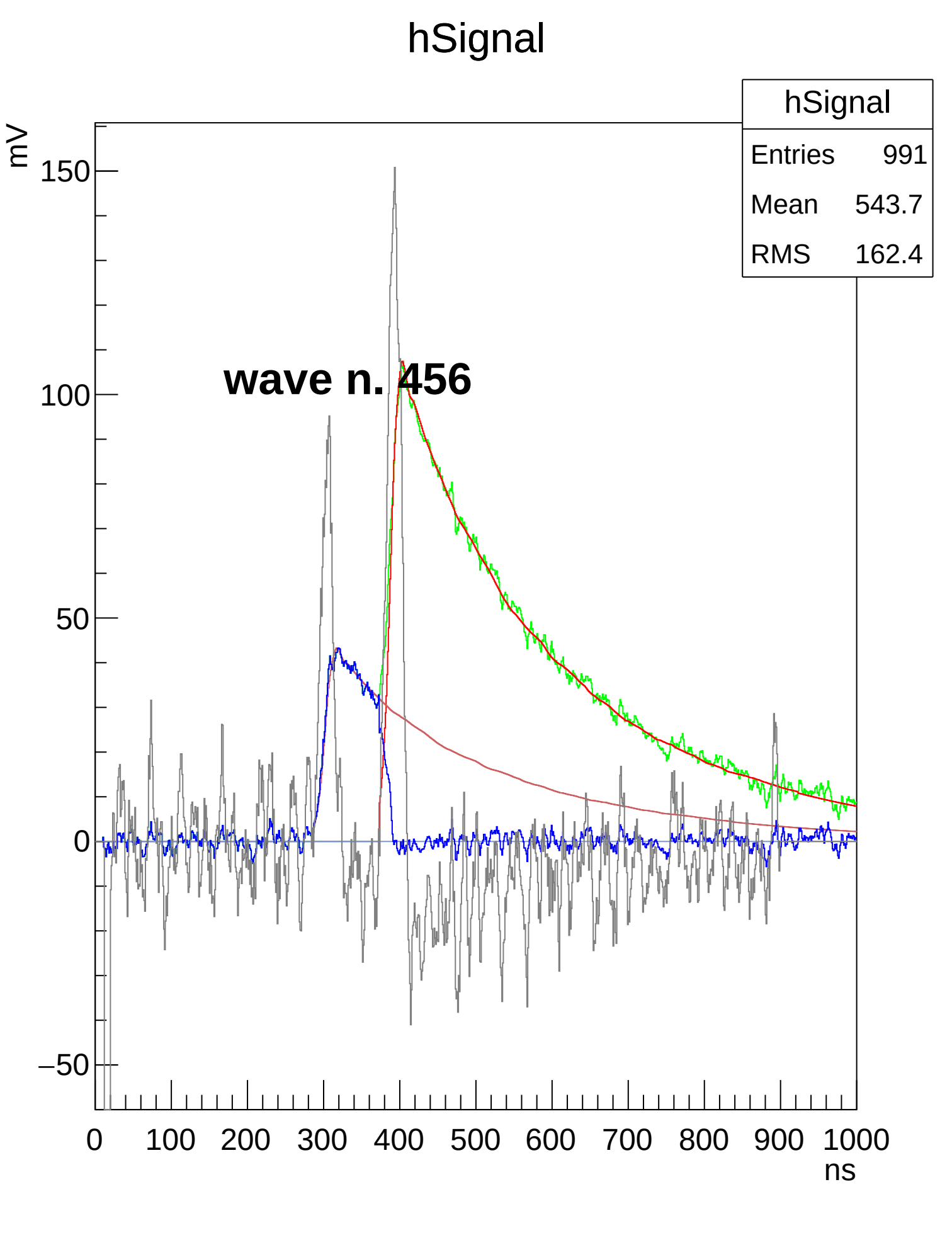

hSignal
hSignal
Entries 991
Mean 597.6
RMS 157.8
wave n. 451
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

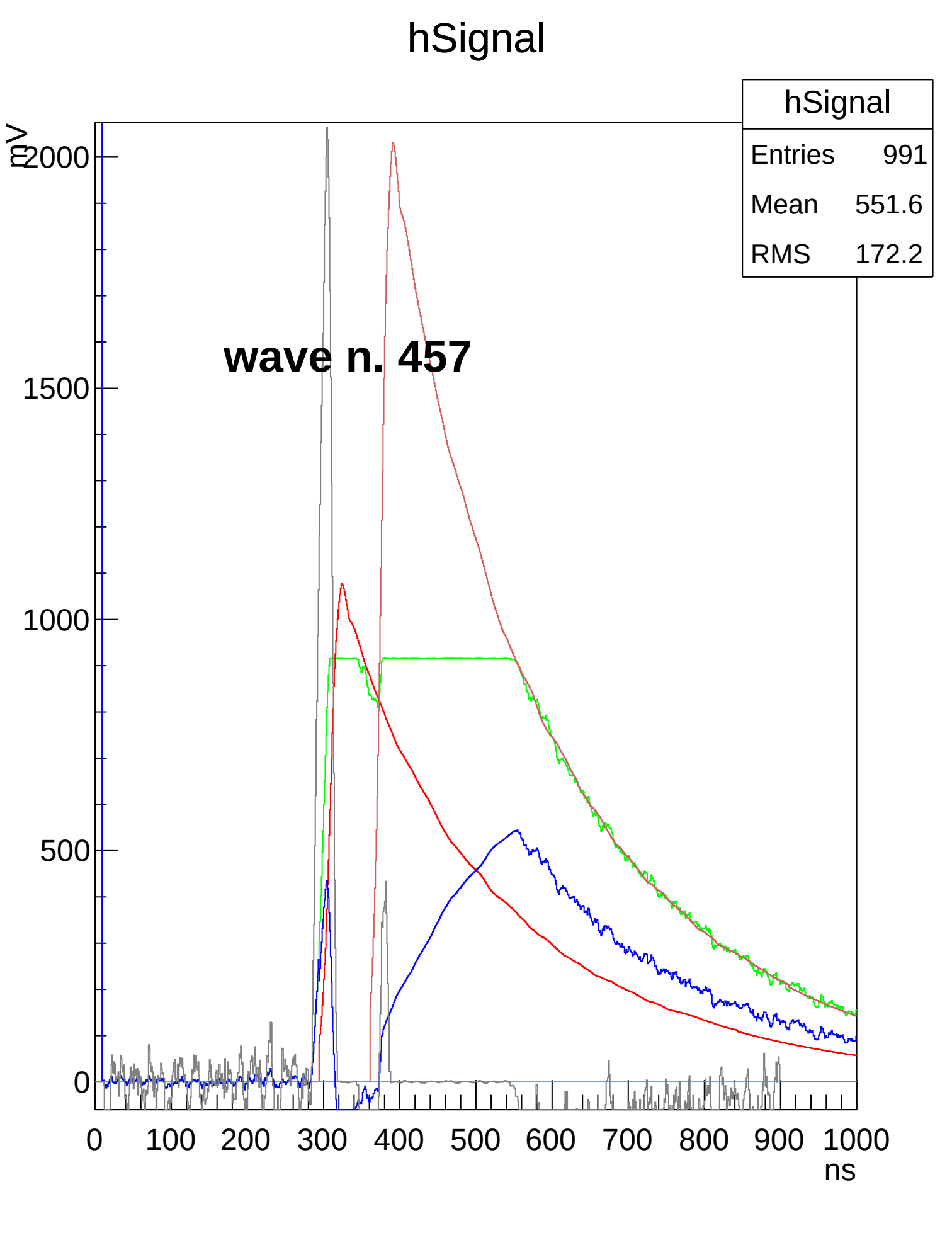

hSignal
hSignal
Entries 991
Mean 441.9
RMS 176.5
wave n. 452
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

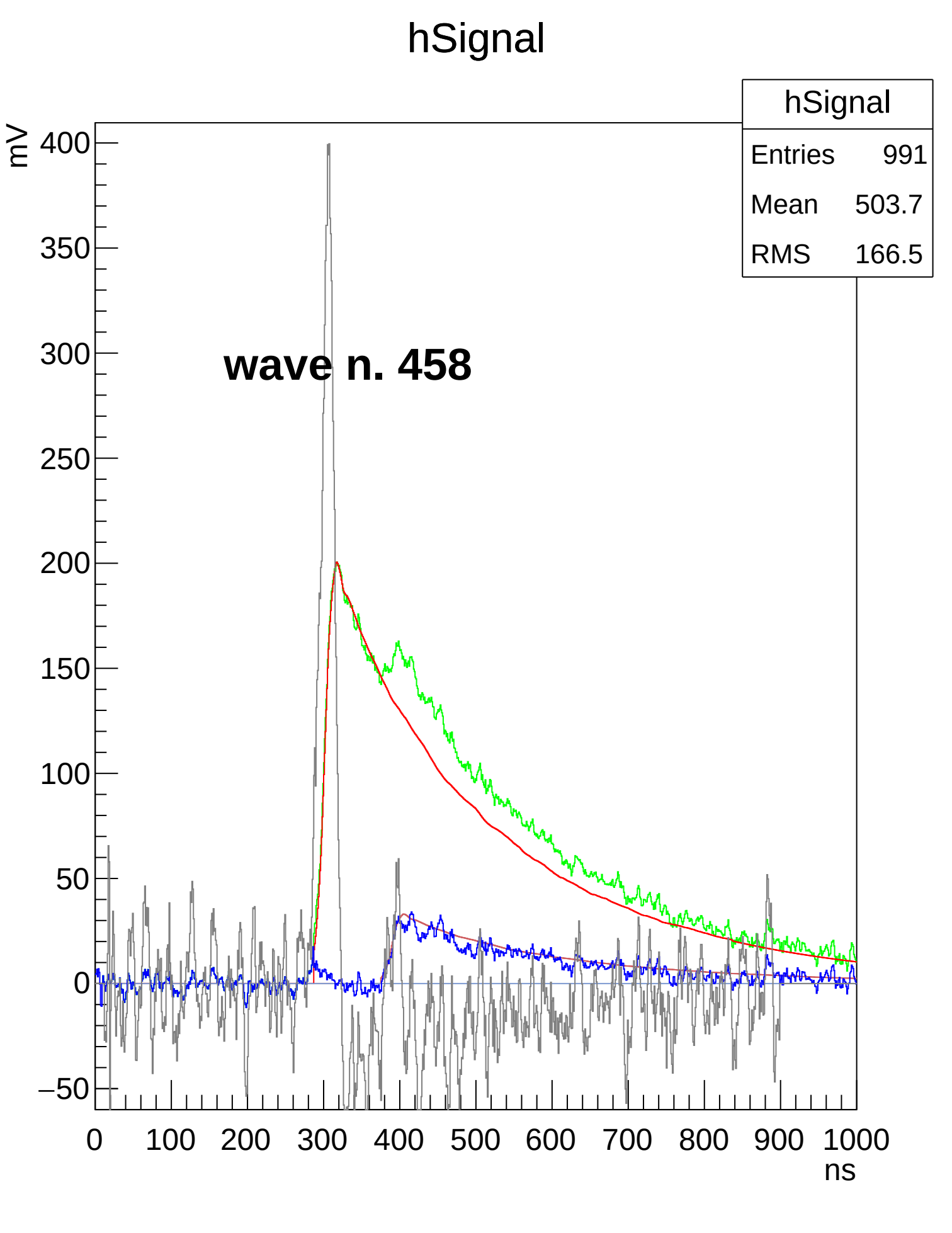

hSignal
hSignal
Entries 991
Mean 472.8
RMS 171
wave n. 453
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

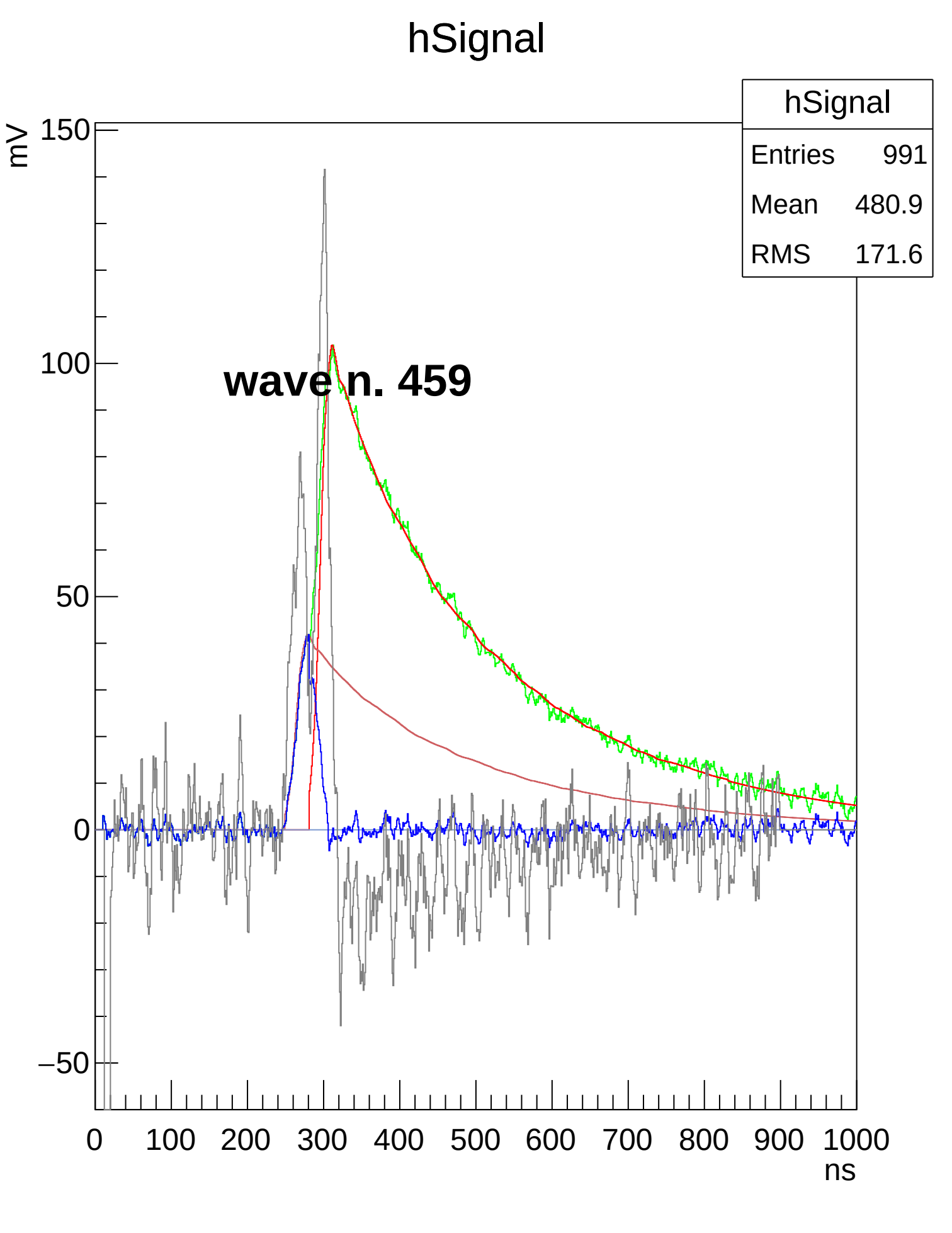

hSignal
hSignal
Entries 991
Mean 452
RMS 174.4
wave n. 454
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

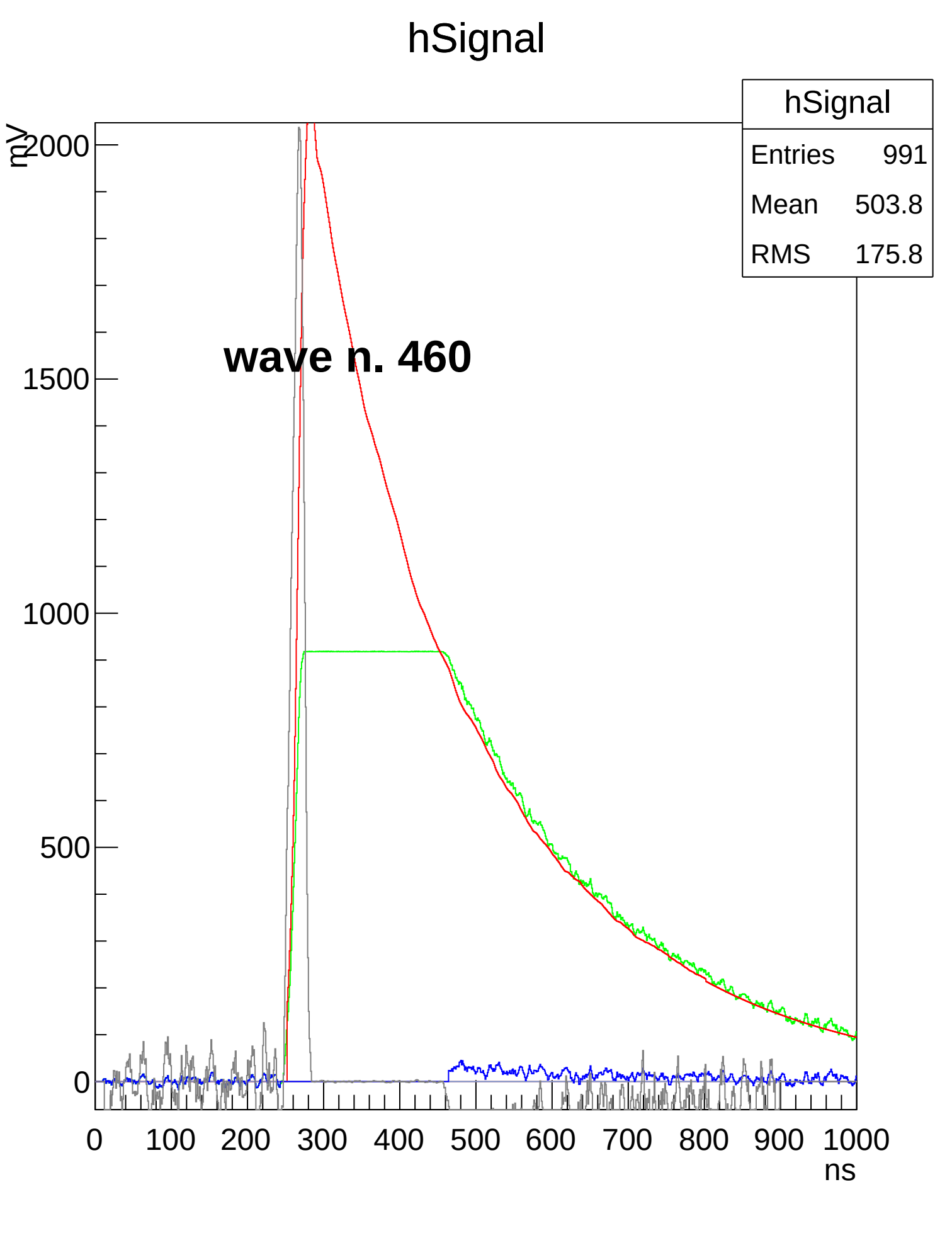

hSignal
hSignal
Entries 991
Mean 463.3
RMS 182.8
wave n. 455
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

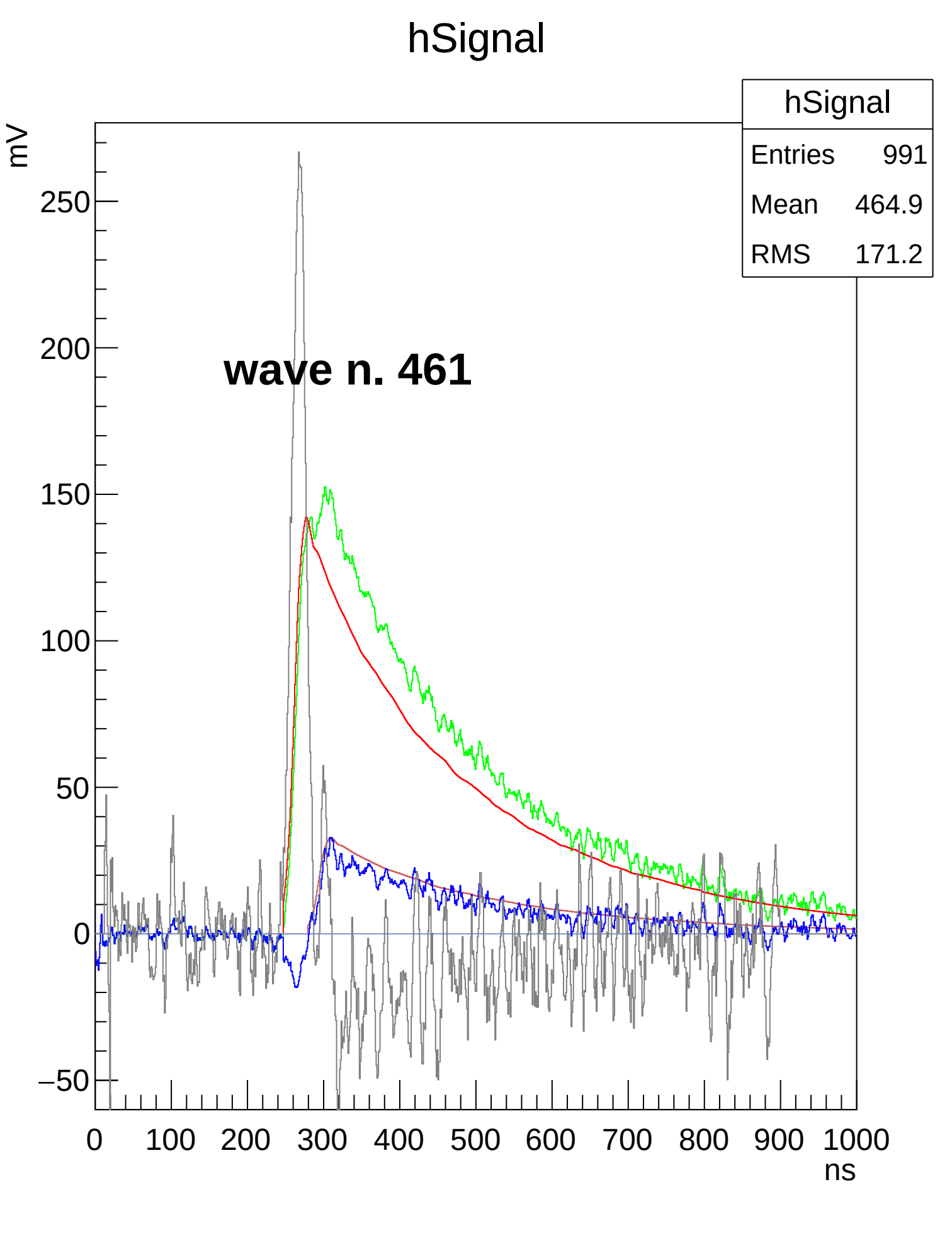

hSignal
hSignal
Entries 991
Mean 543.7
RMS 162.4
wave n. 456
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

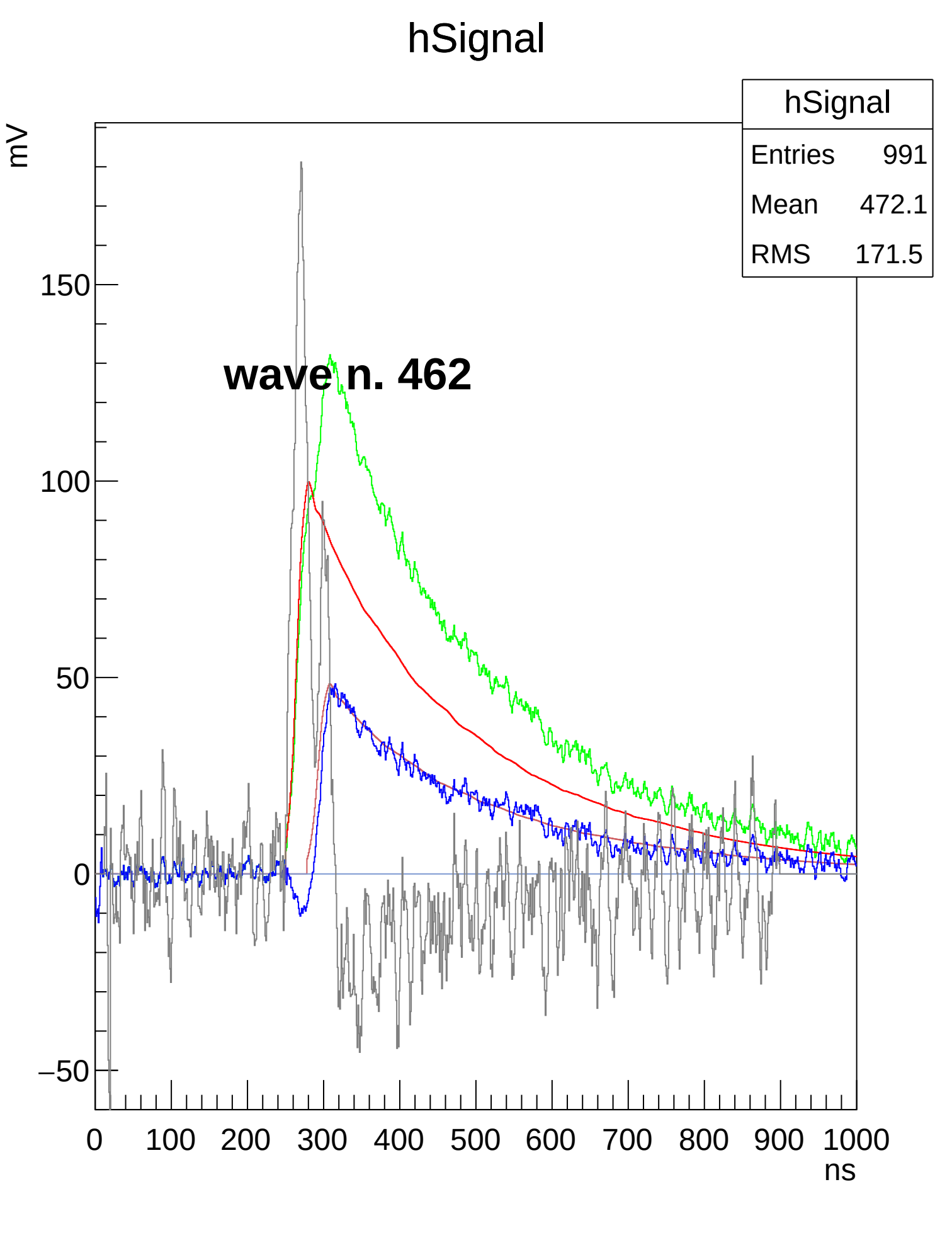

hSignal
hSignal
Entries 991
Mean 551.6
RMS 172.2
wave n. 457
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

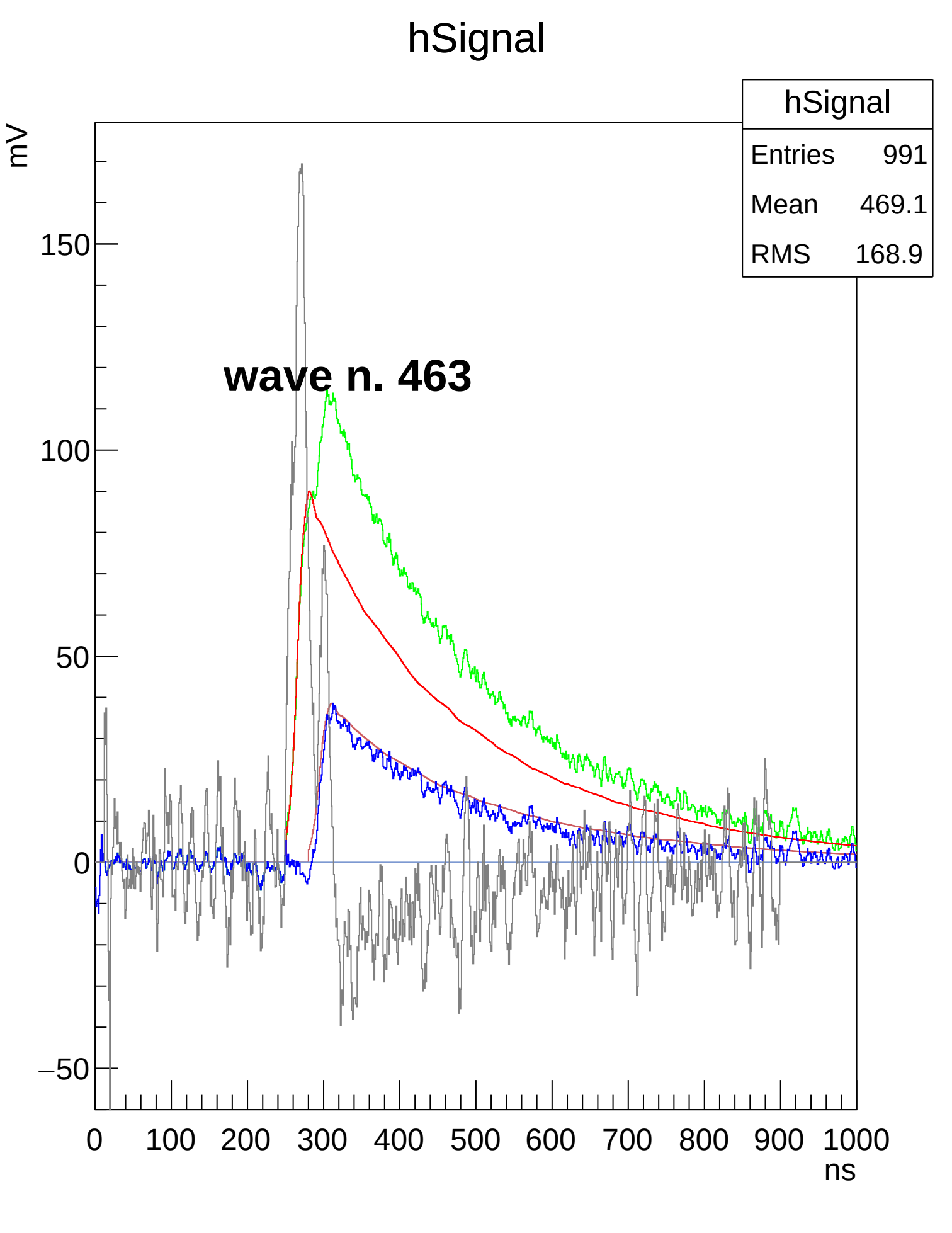

hSignal
hSignal
Entries 991
Mean 503.7
RMS 166.5
wave n. 458
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

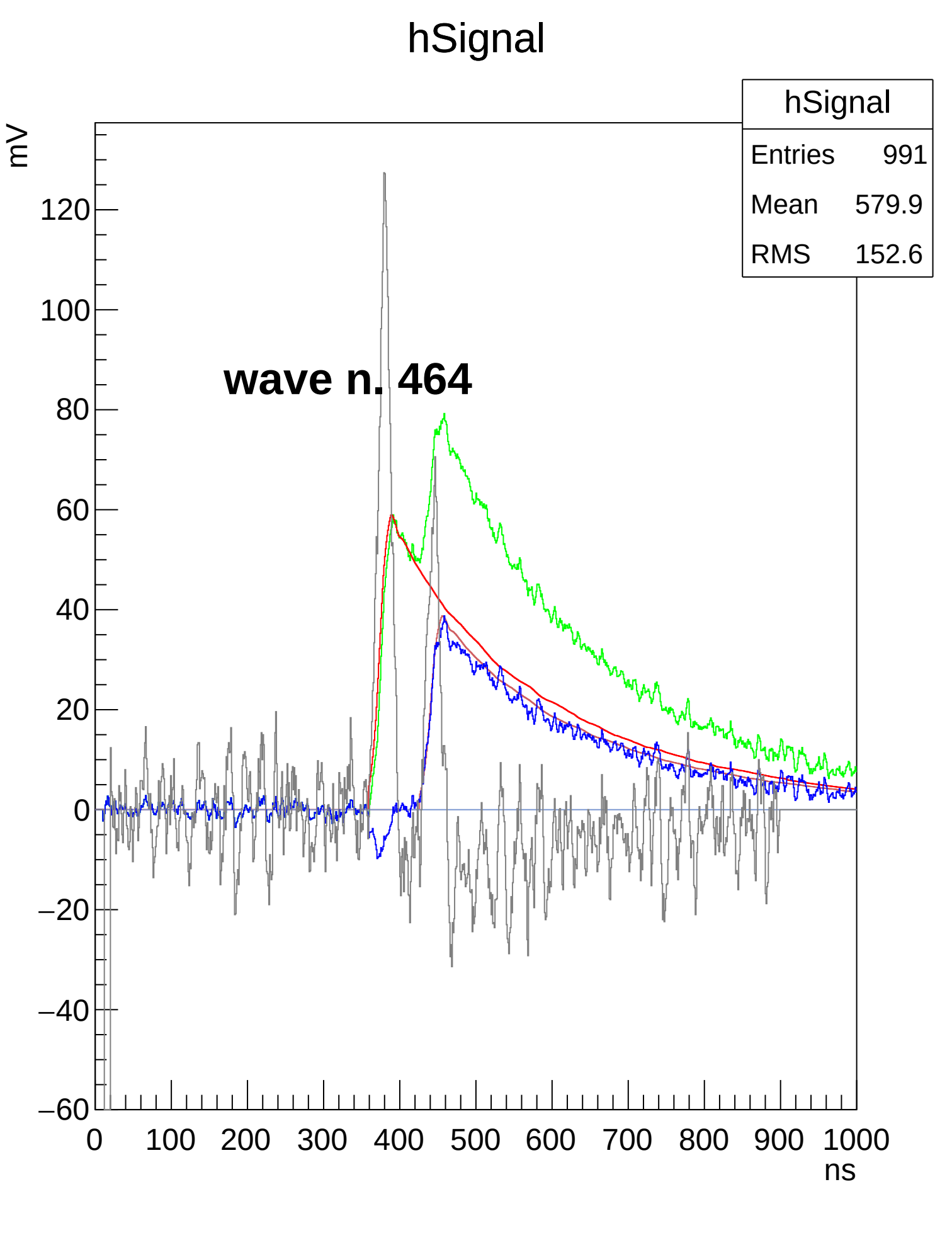

hSignal
hSignal
Entries 991
Mean 480.9
RMS 171.6
wave n. 459
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

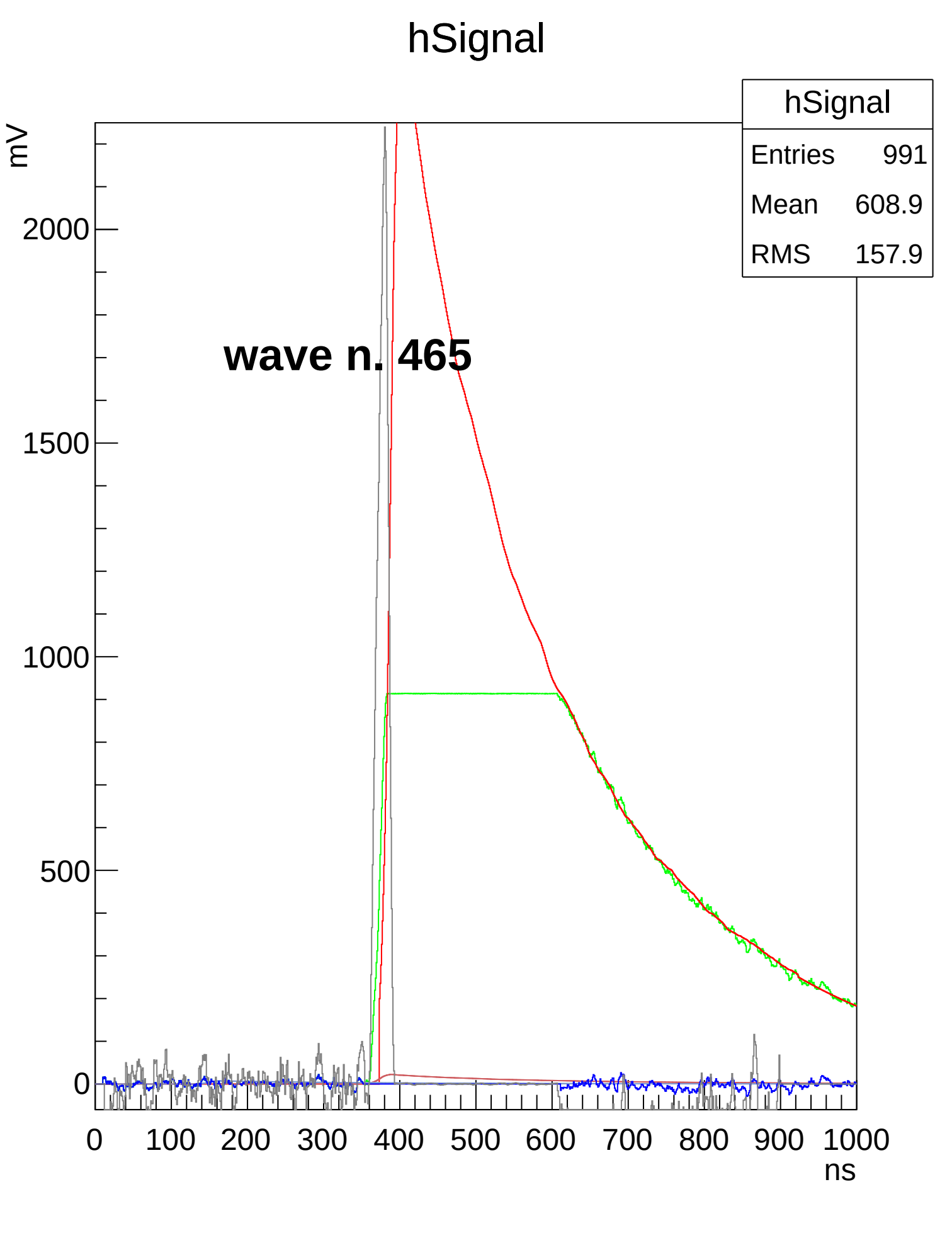

hSignal
hSignal
Entries 991
Mean 503.8
RMS 175.8
wave n. 460
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

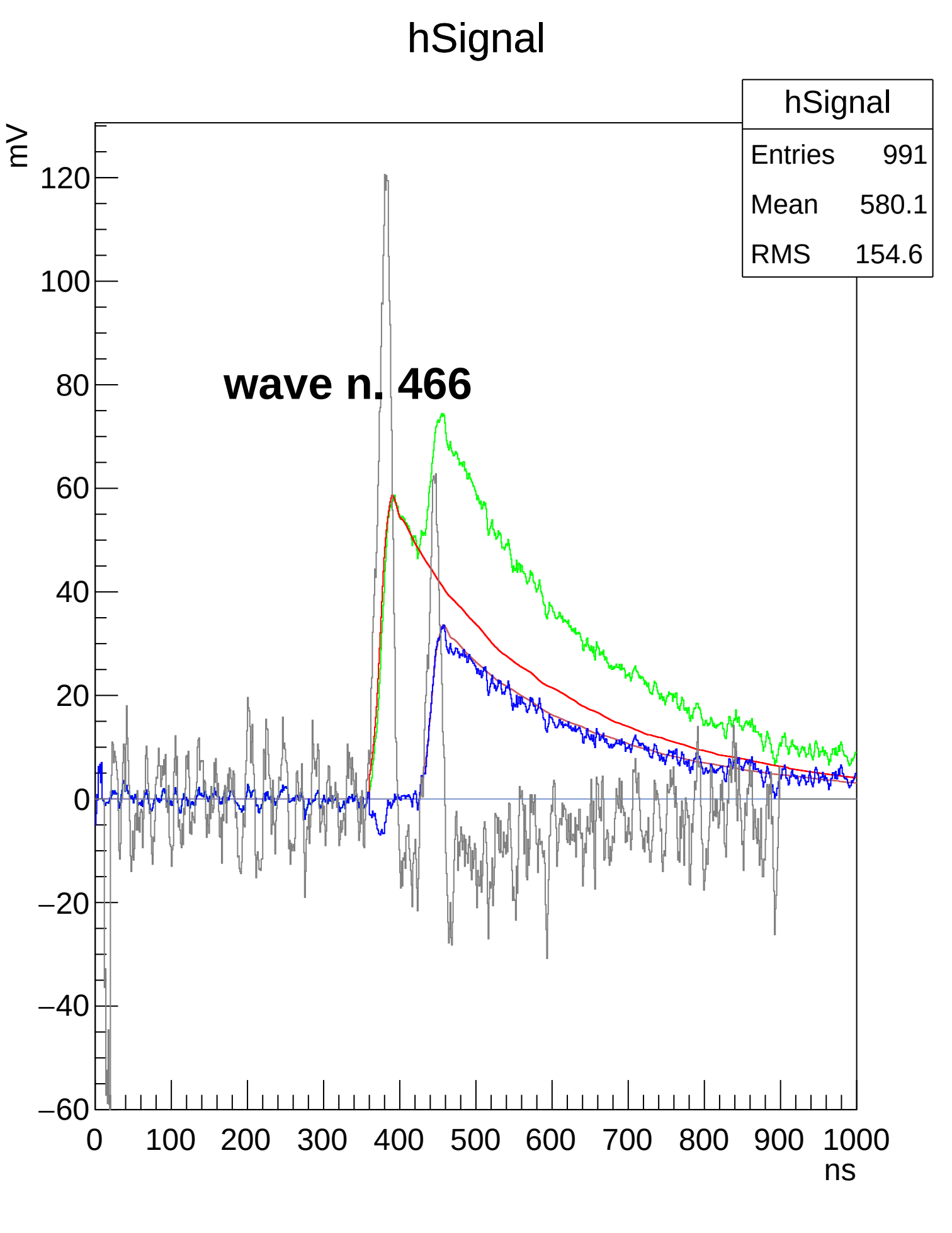

hSignal
hSignal
Entries 991
Mean 464.9
RMS 171.2
wave n. 461
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

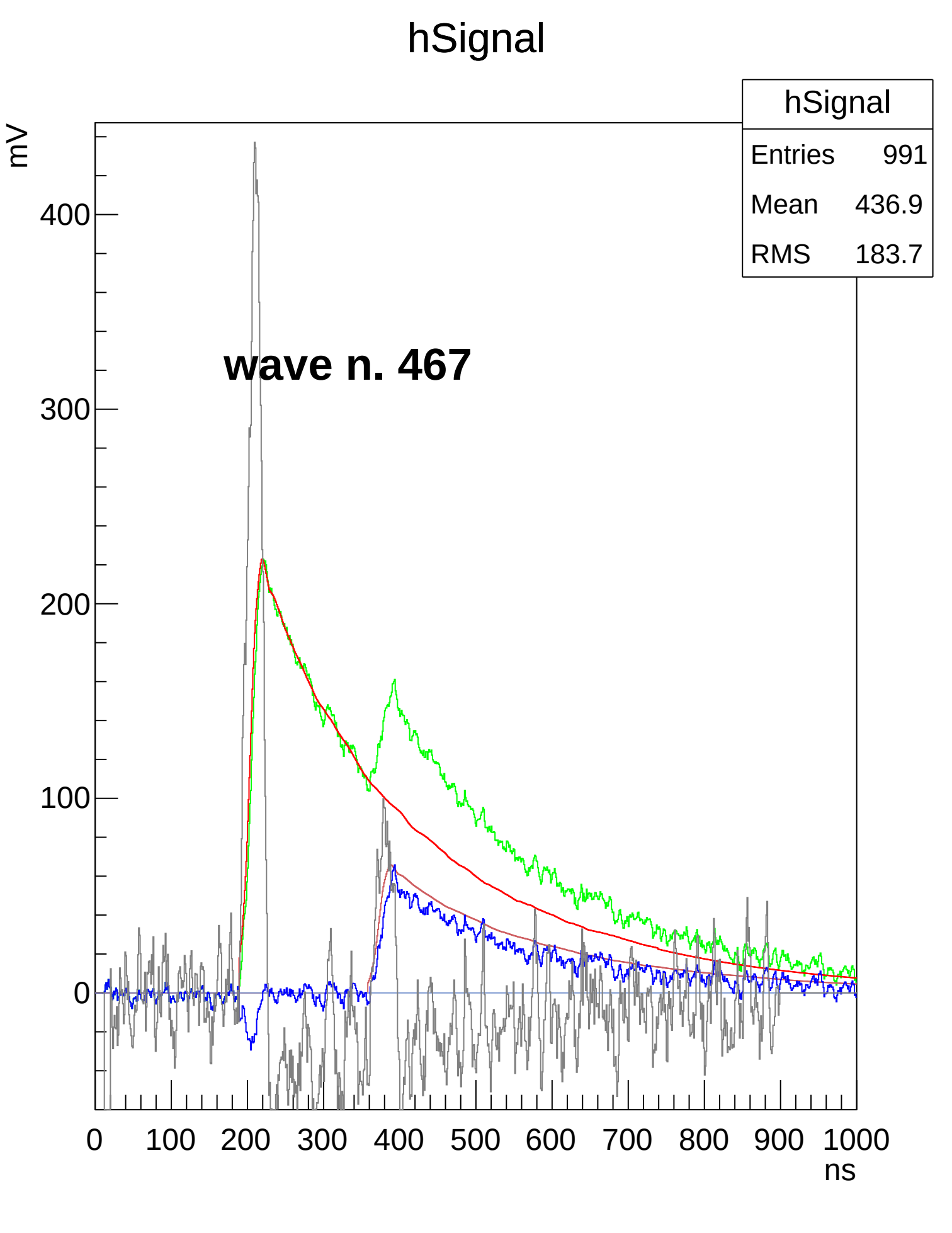

hSignal
hSignal
Entries 991
Mean 472.1
RMS 171.5
wave n. 462
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

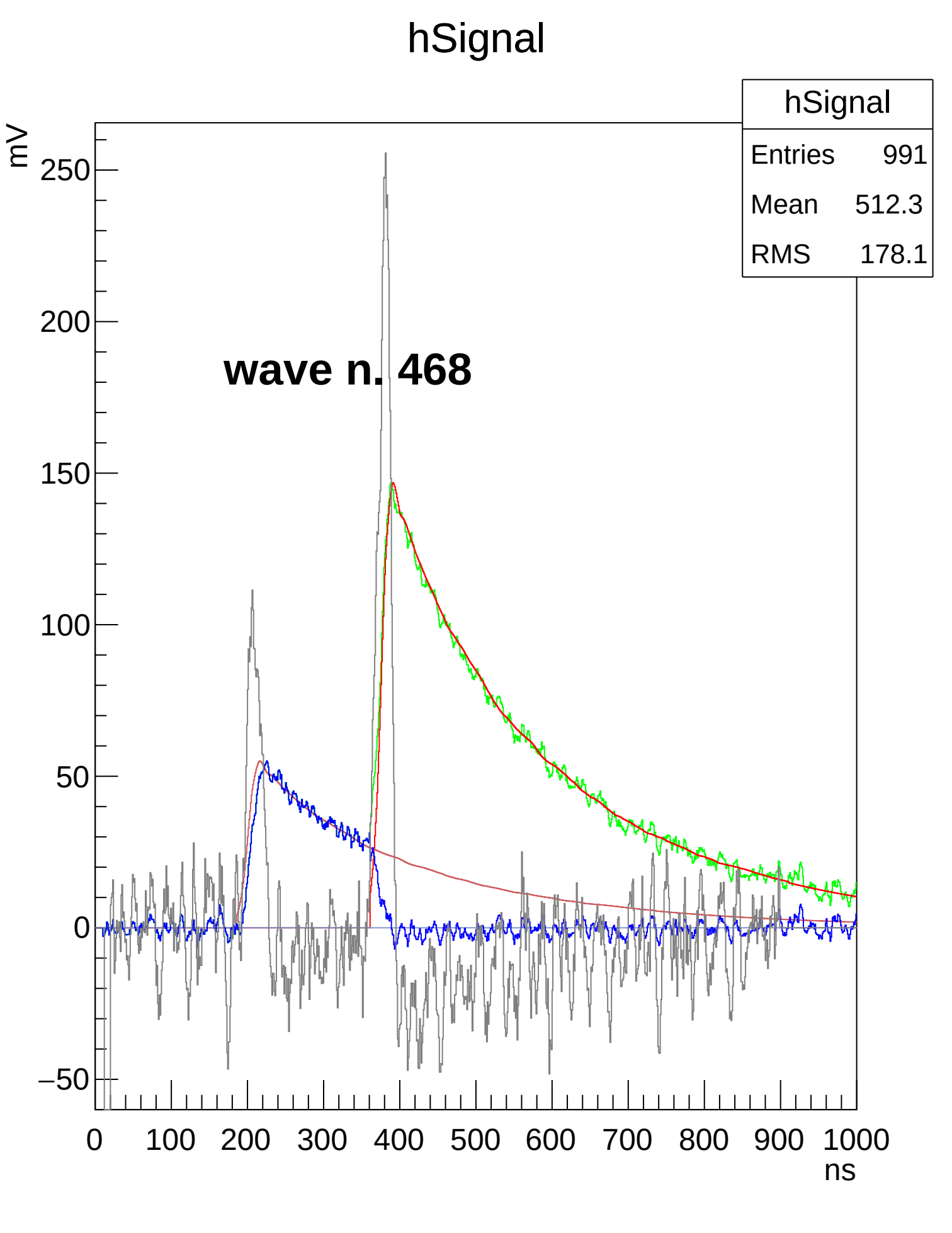

hSignal
hSignal
Entries 991
Mean 469.1
RMS 168.9
wave n. 463
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

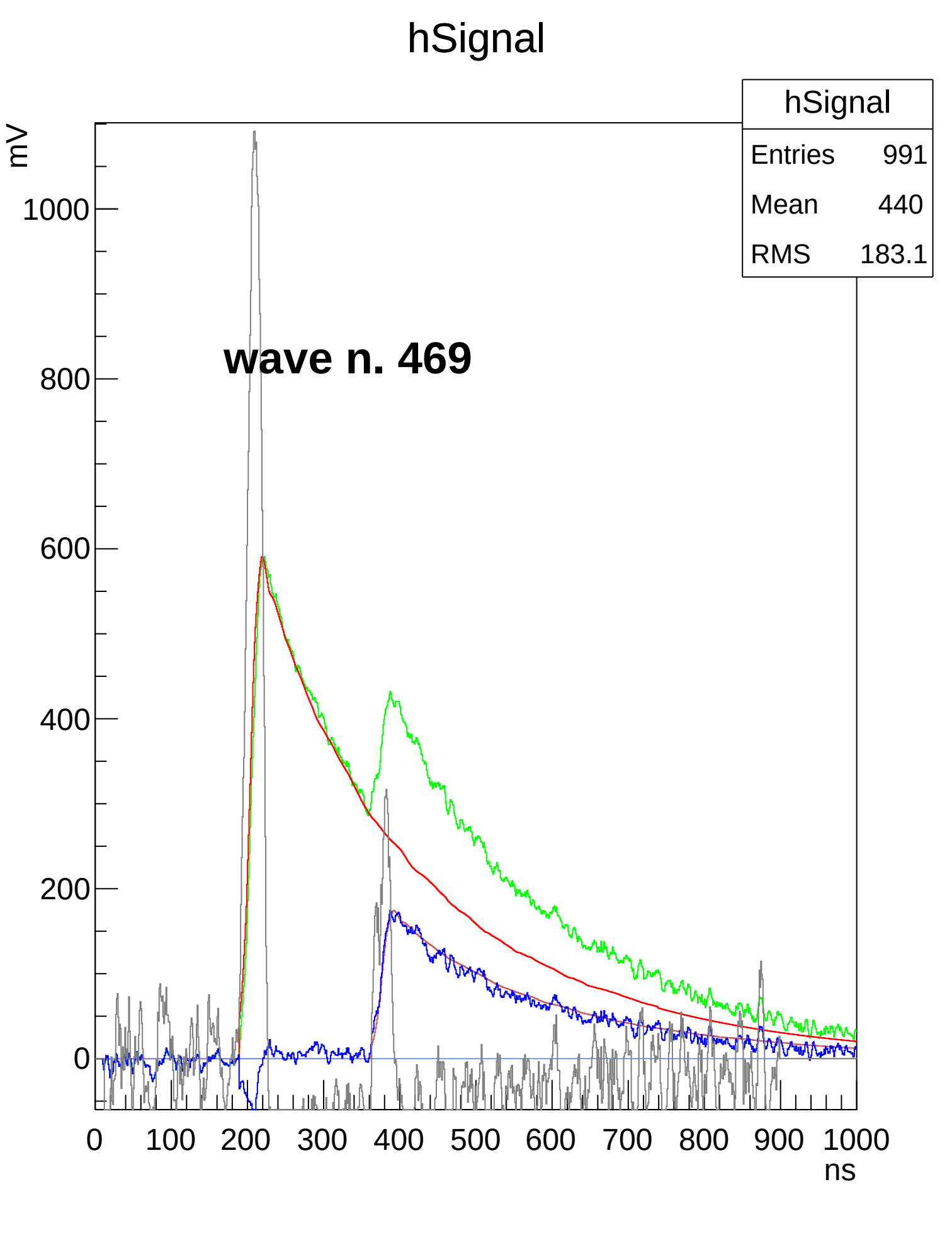

hSignal
hSignal
Entries 991
Mean 579.9
RMS 152.6
wave n. 464
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

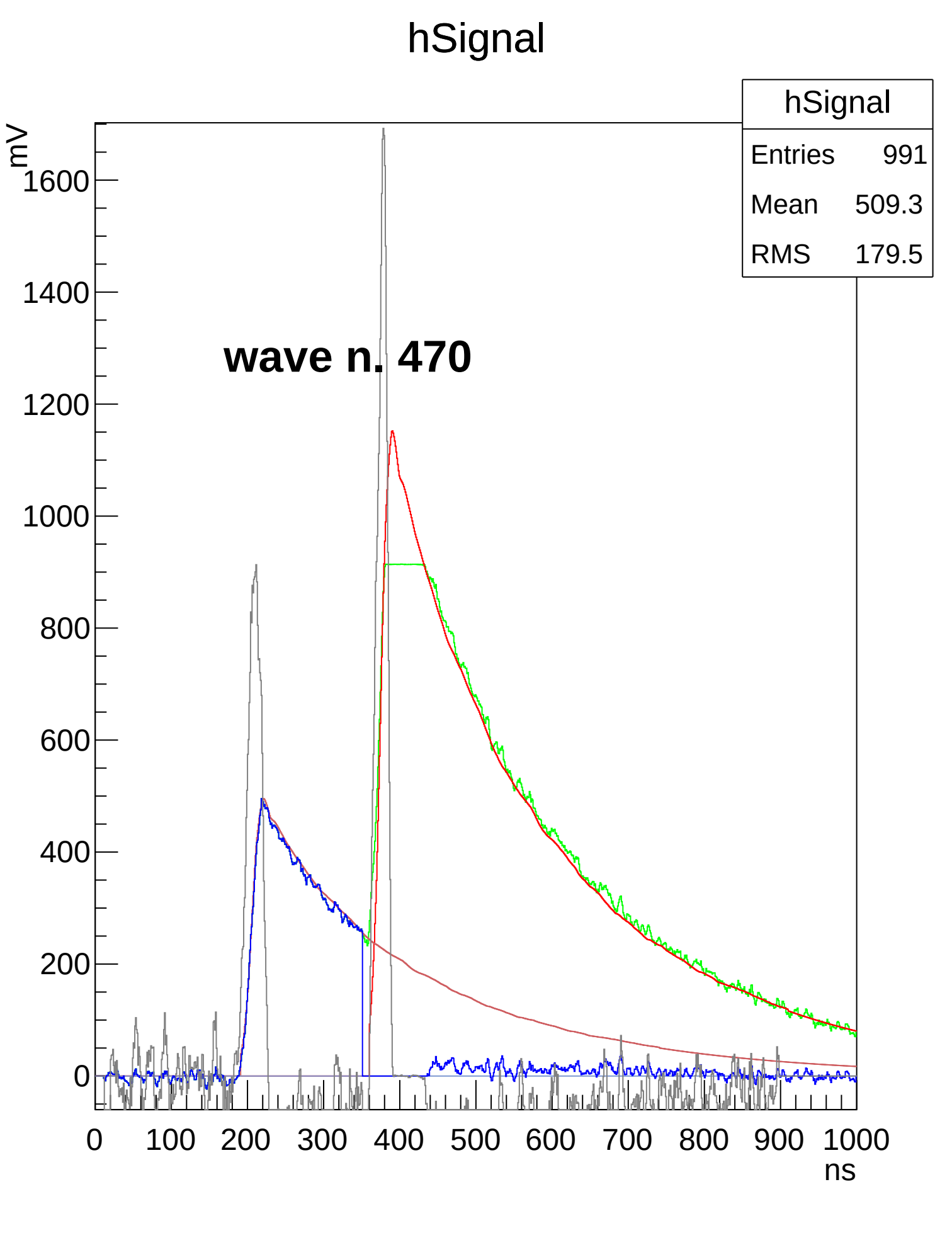

hSignal
hSignal
Entries 991
Mean 608.9
RMS 157.9
wave n. 465
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

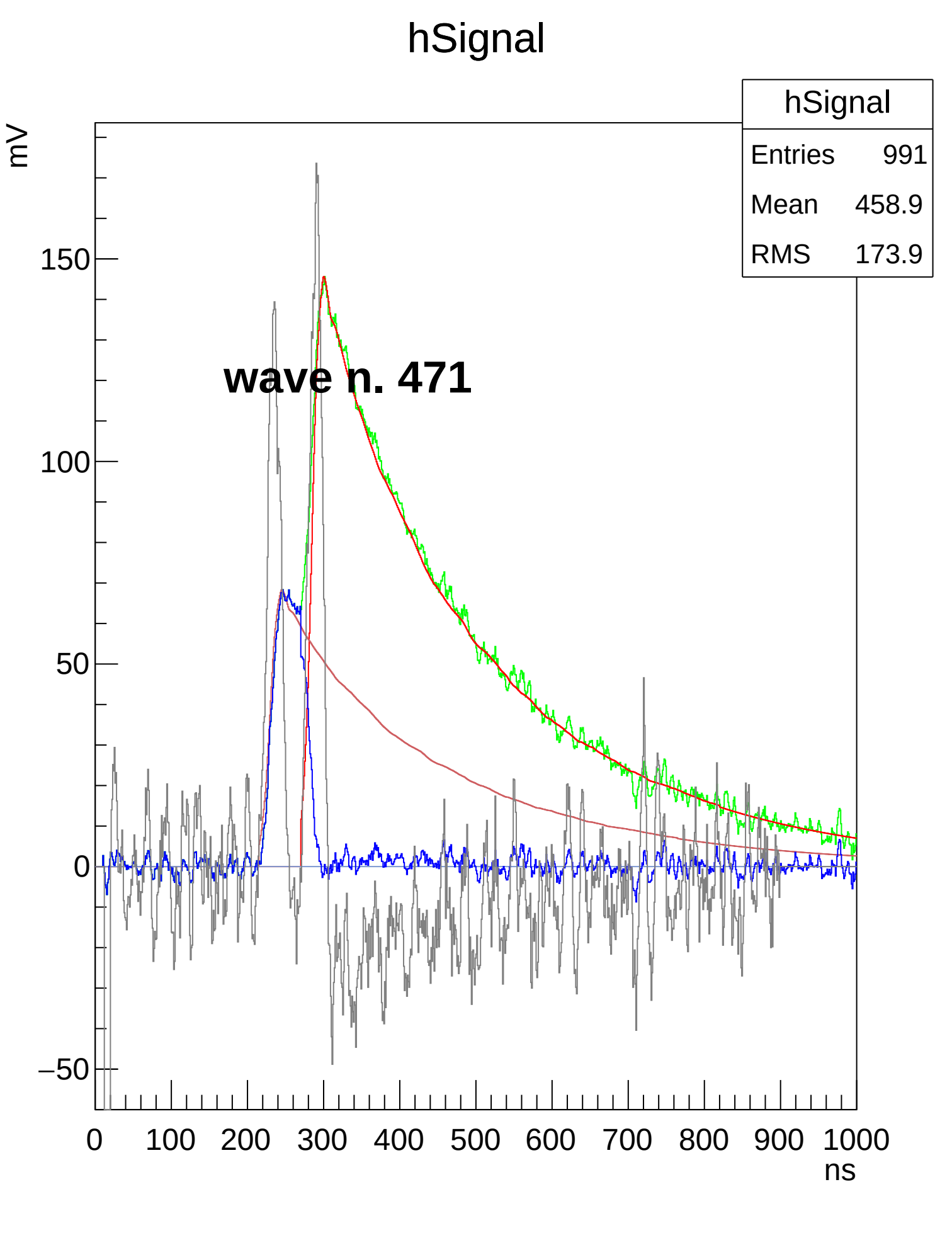

hSignal
hSignal
Entries 991
Mean 580.1
RMS 154.6
wave n. 466
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

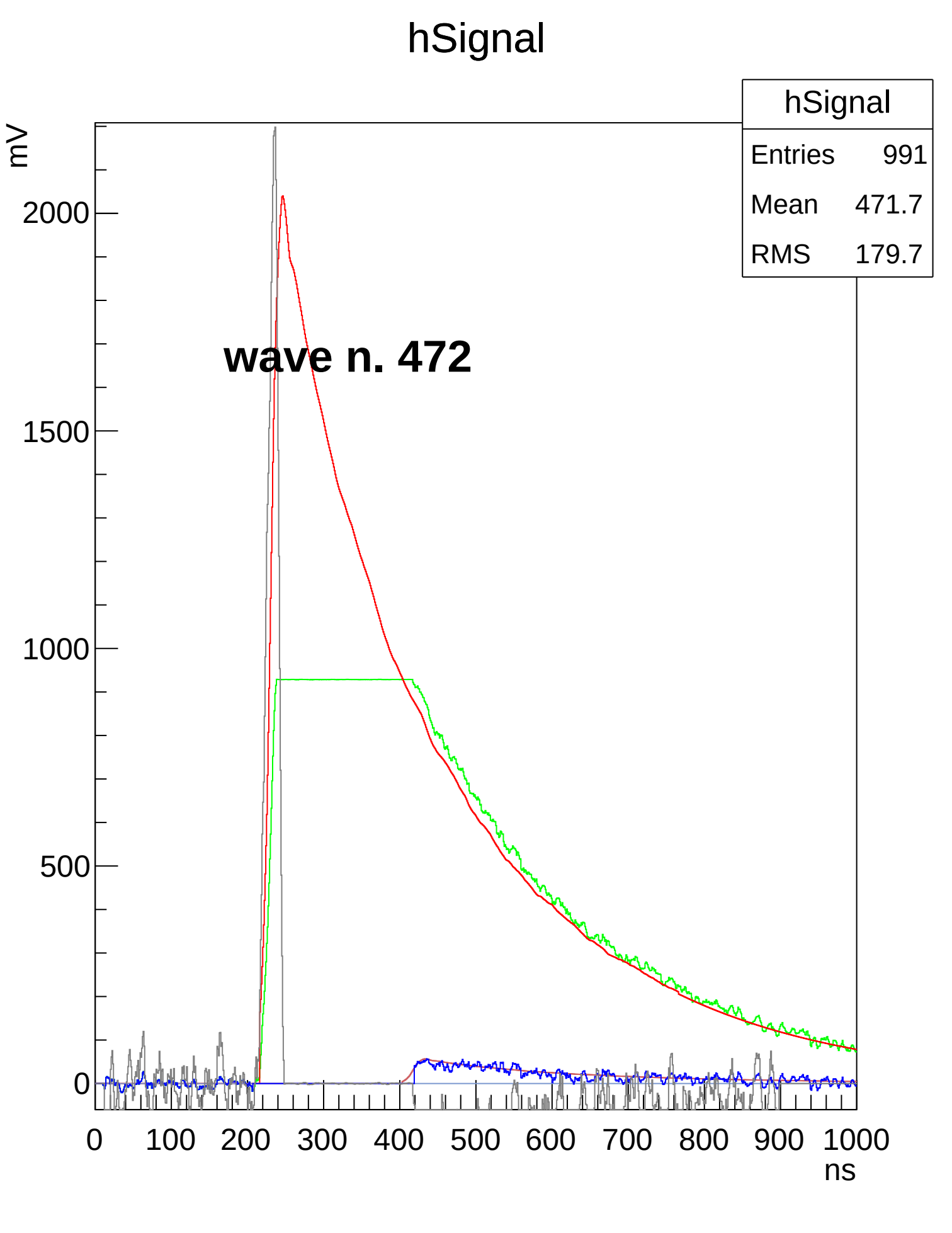

hSignal
hSignal
Entries 991
Mean 436.9
RMS 183.7
wave n. 467
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

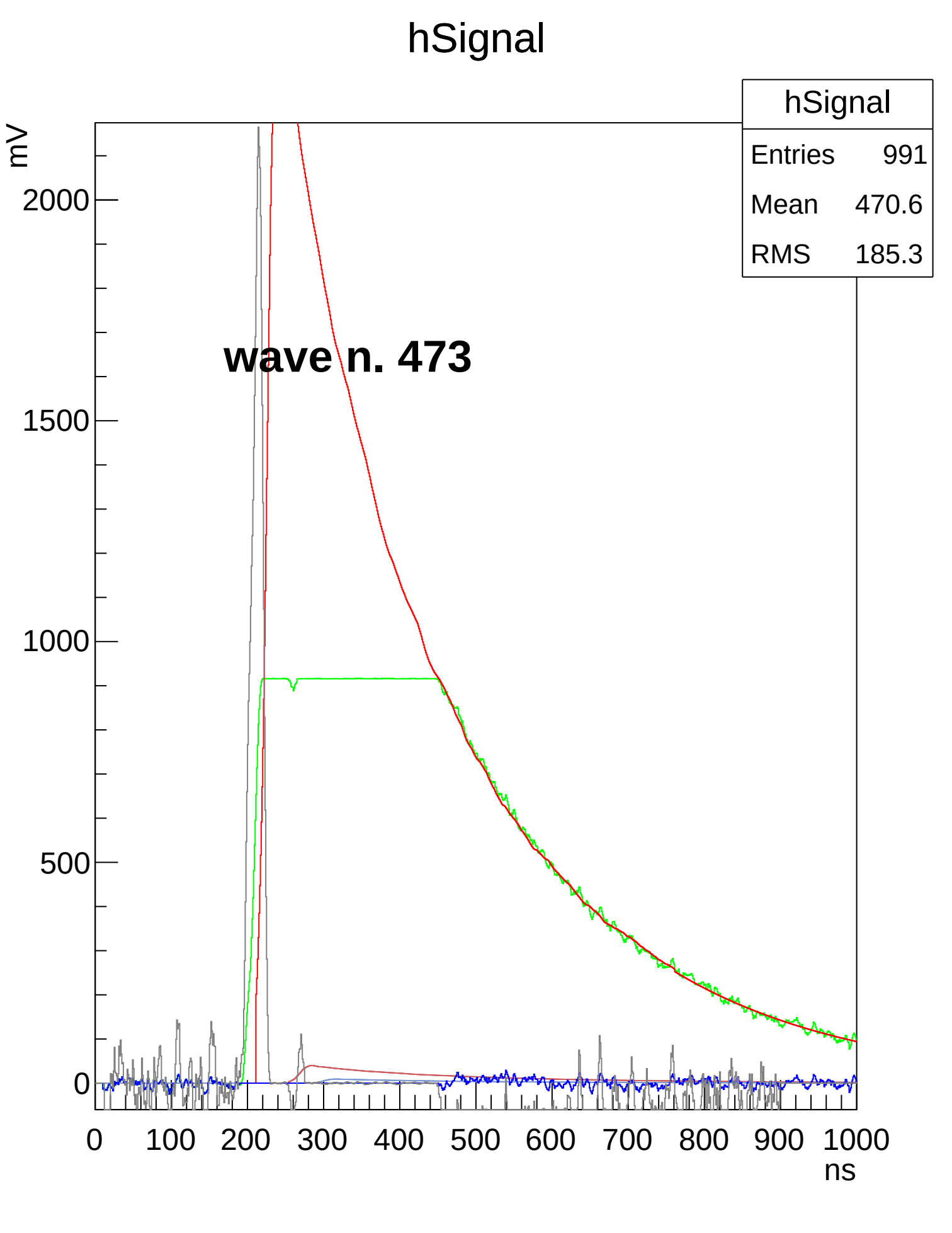

hSignal
hSignal
Entries 991
Mean 512.3
RMS 178.1
wave n. 468
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

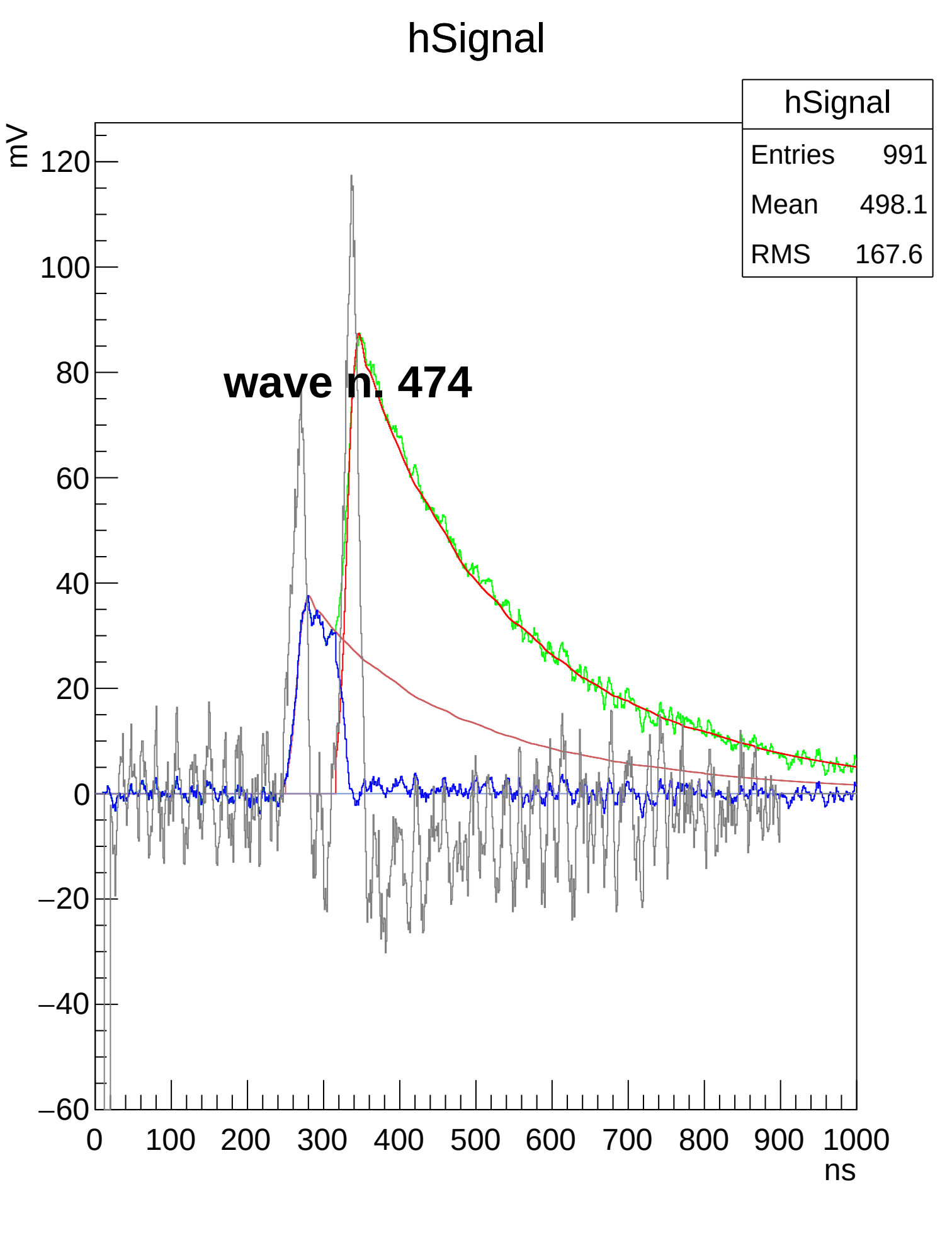

hSignal
hSignal
Entries 991
Mean 440
RMS 183.1
wave n. 469
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

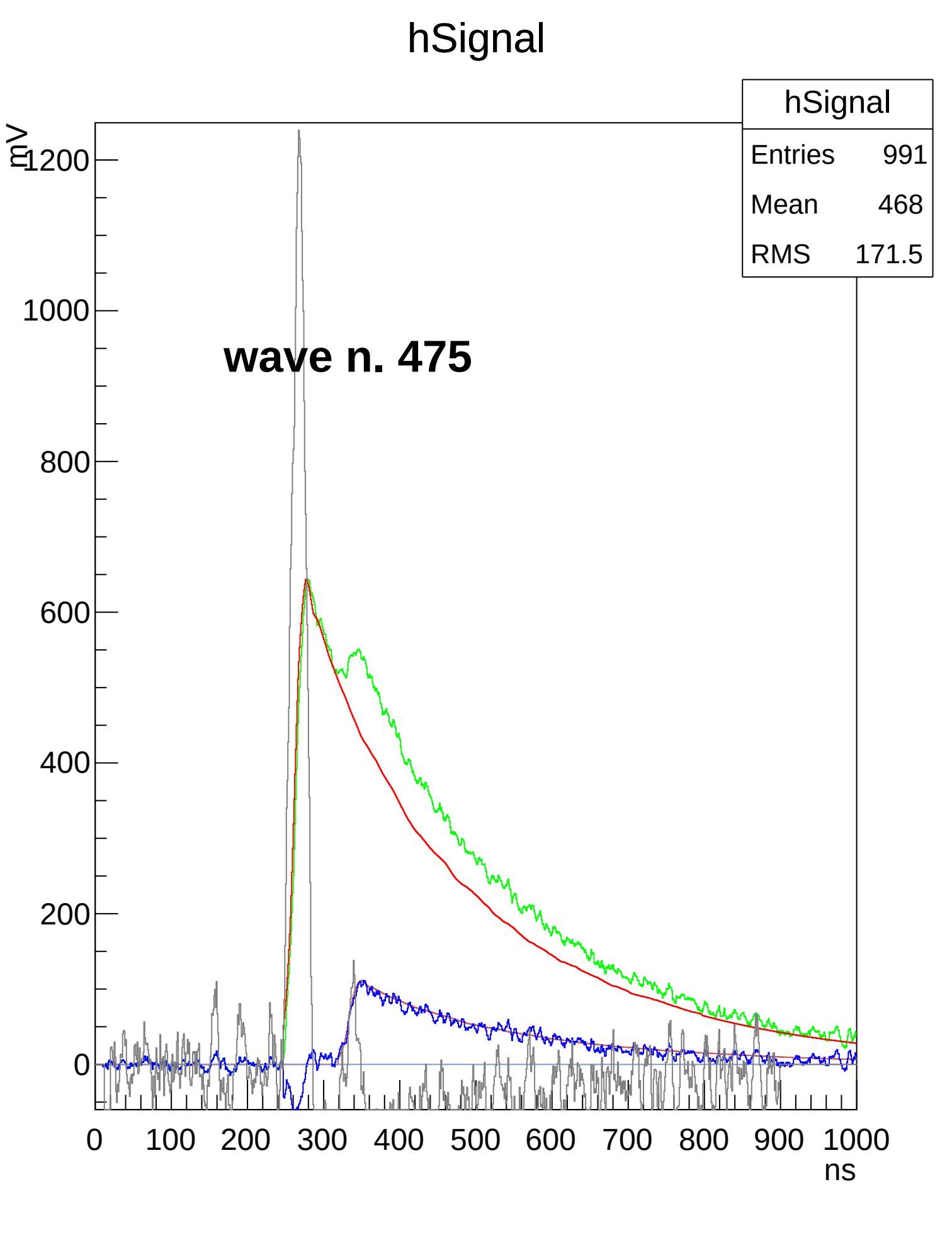

hSignal
hSignal
Entries 991
Mean 509.3
RMS 179.5
wave n. 470
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

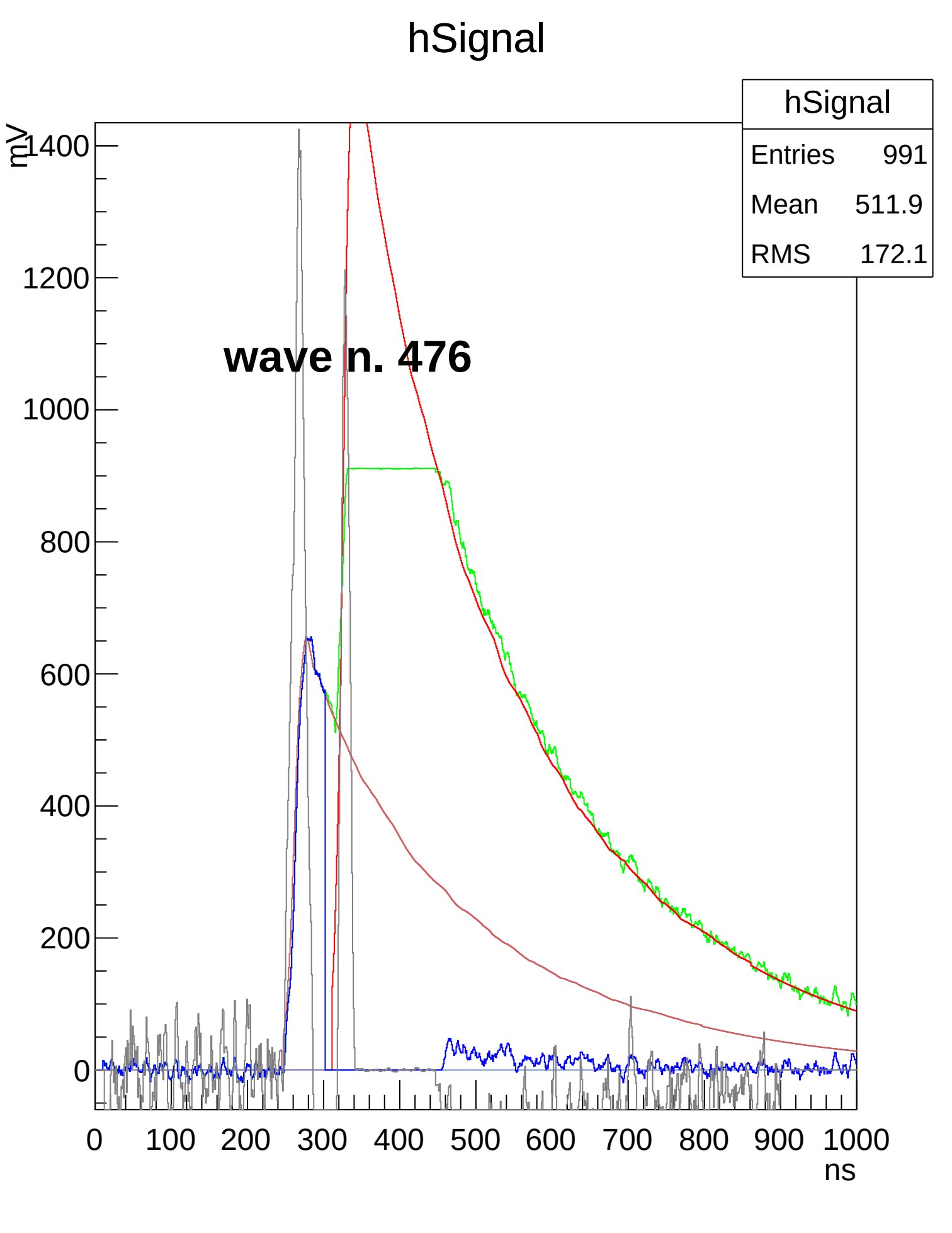

hSignal
hSignal
Entries 991
Mean 458.9
RMS 173.9
wave n. 471
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

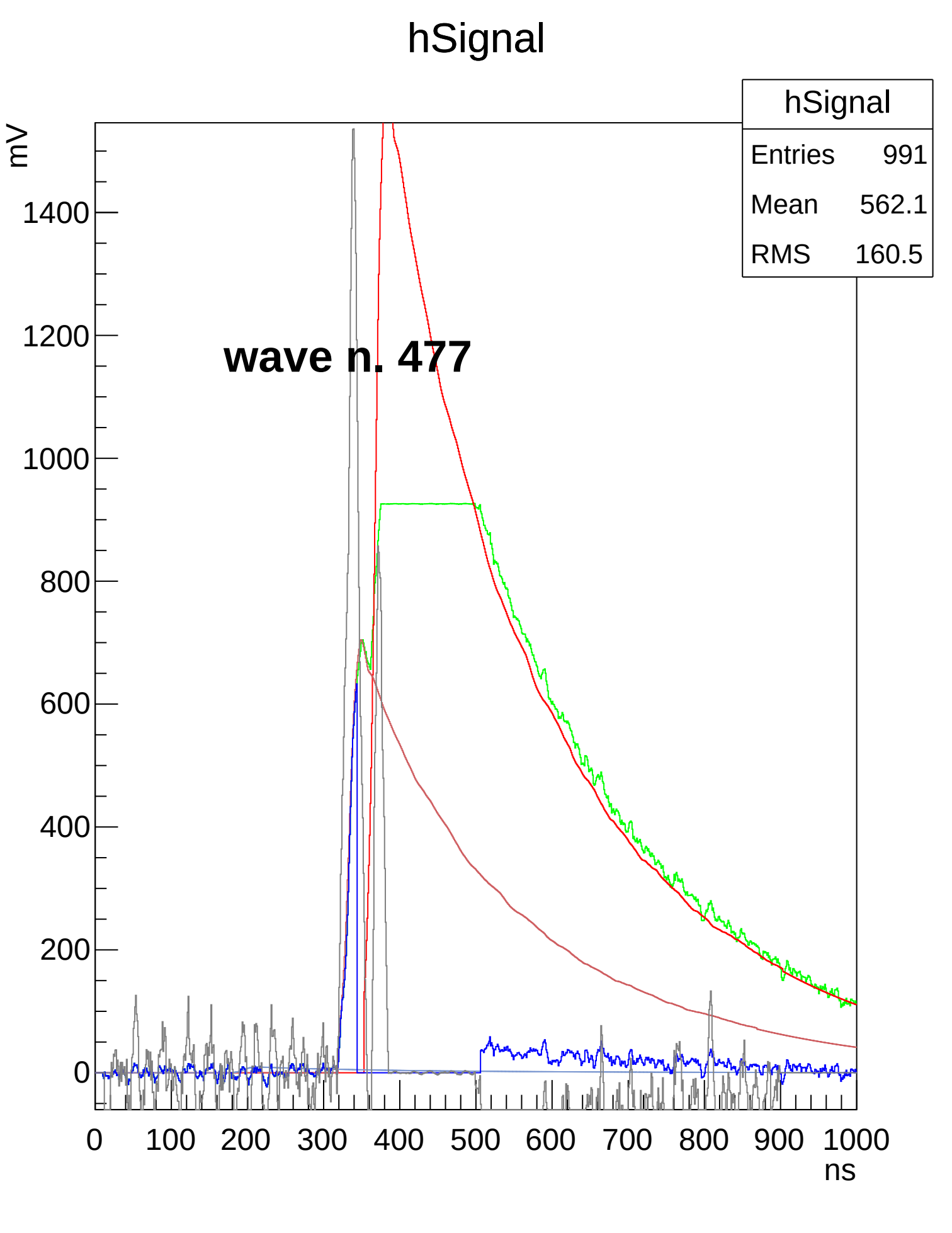

hSignal
hSignal
Entries 991
Mean 471.7
RMS 179.7
wave n. 472
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

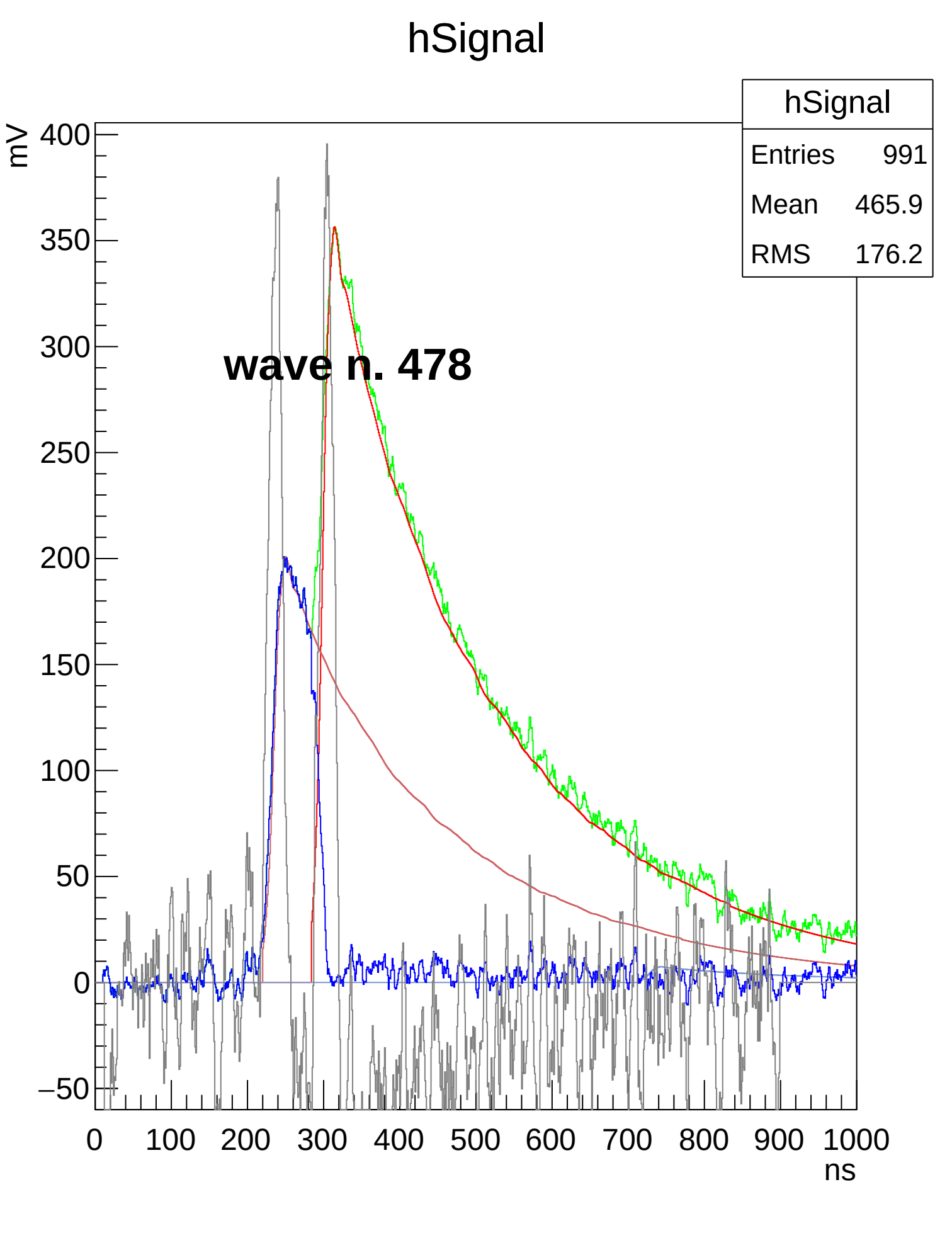

hSignal
hSignal
Entries 991
Mean 470.6
RMS 185.3
wave n. 473
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

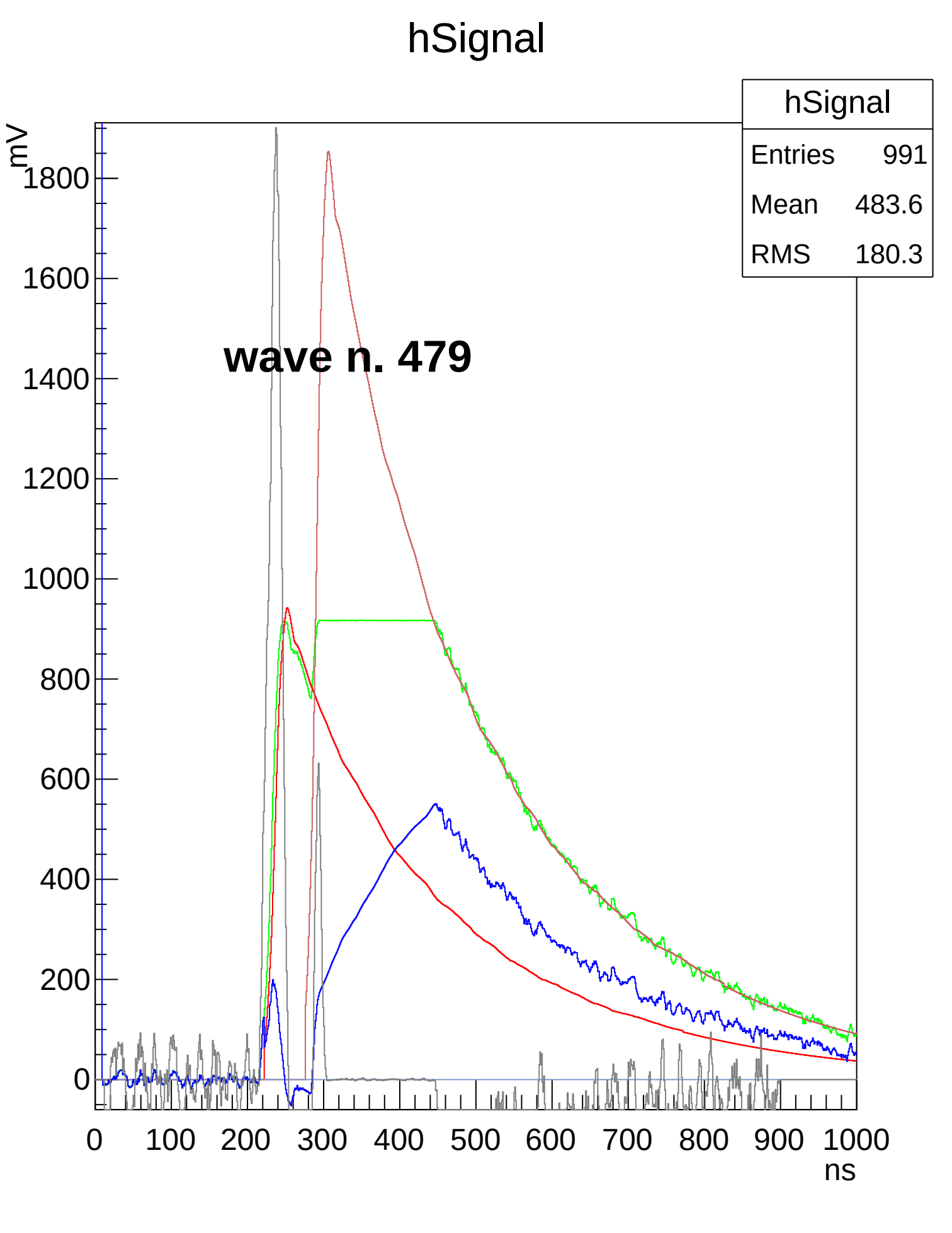

hSignal
hSignal
Entries 991
Mean 498.1
RMS 167.6
wave n. 474
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

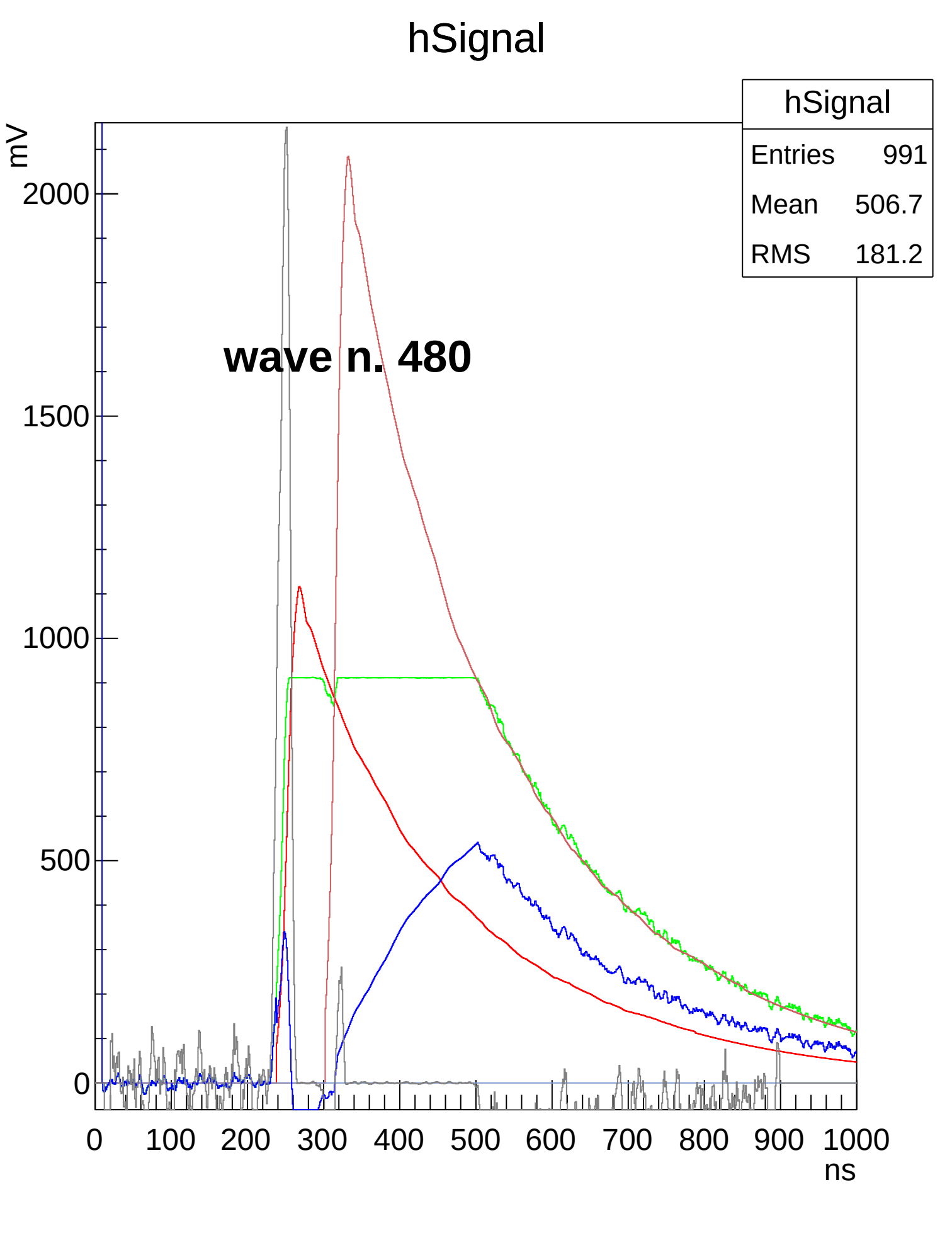

hSignal
hSignal
Entries 991
Mean 468
RMS 171.5
wave n. 475
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

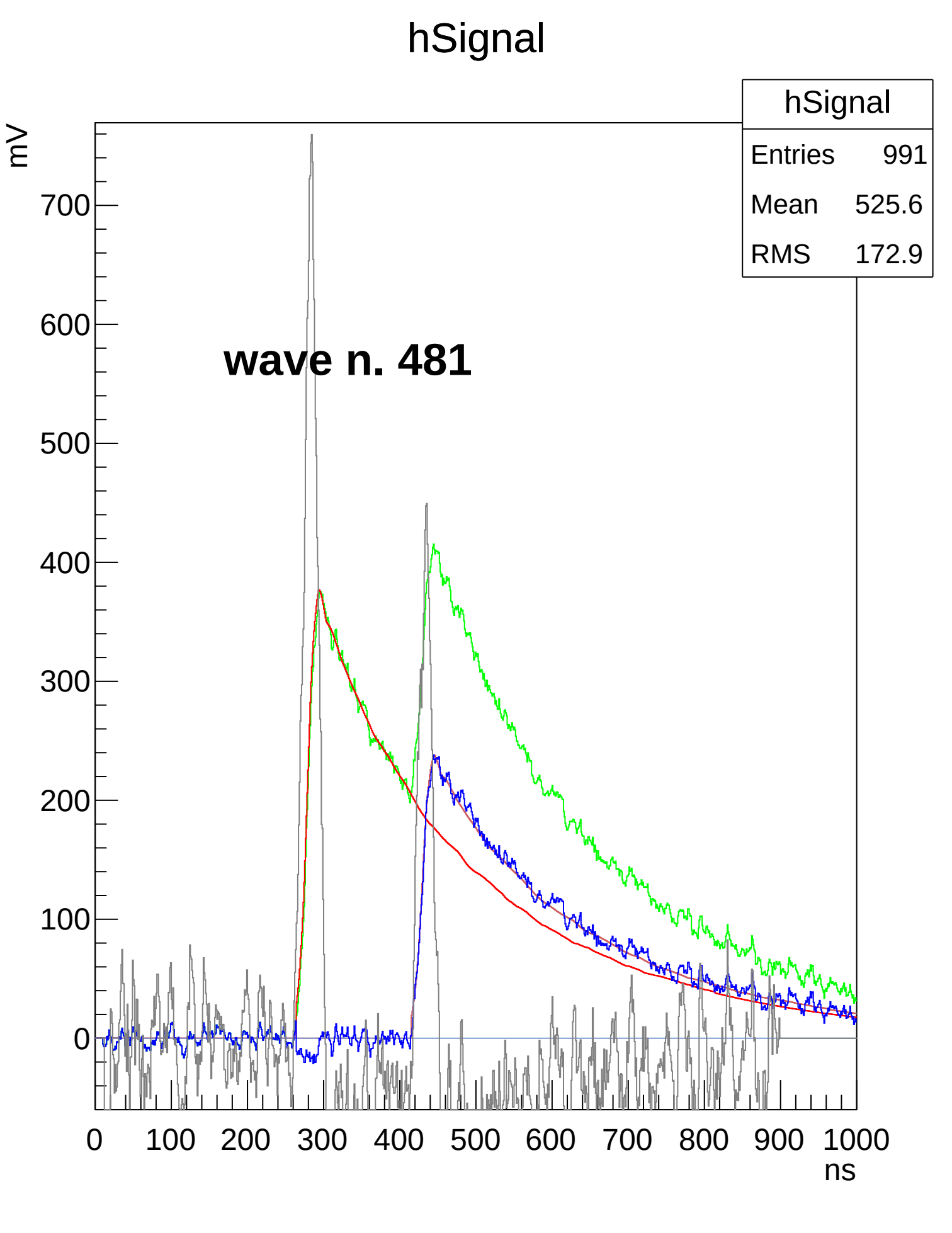

hSignal
hSignal
Entries 991
Mean 511.9
RMS 172.1
wave n. 476
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

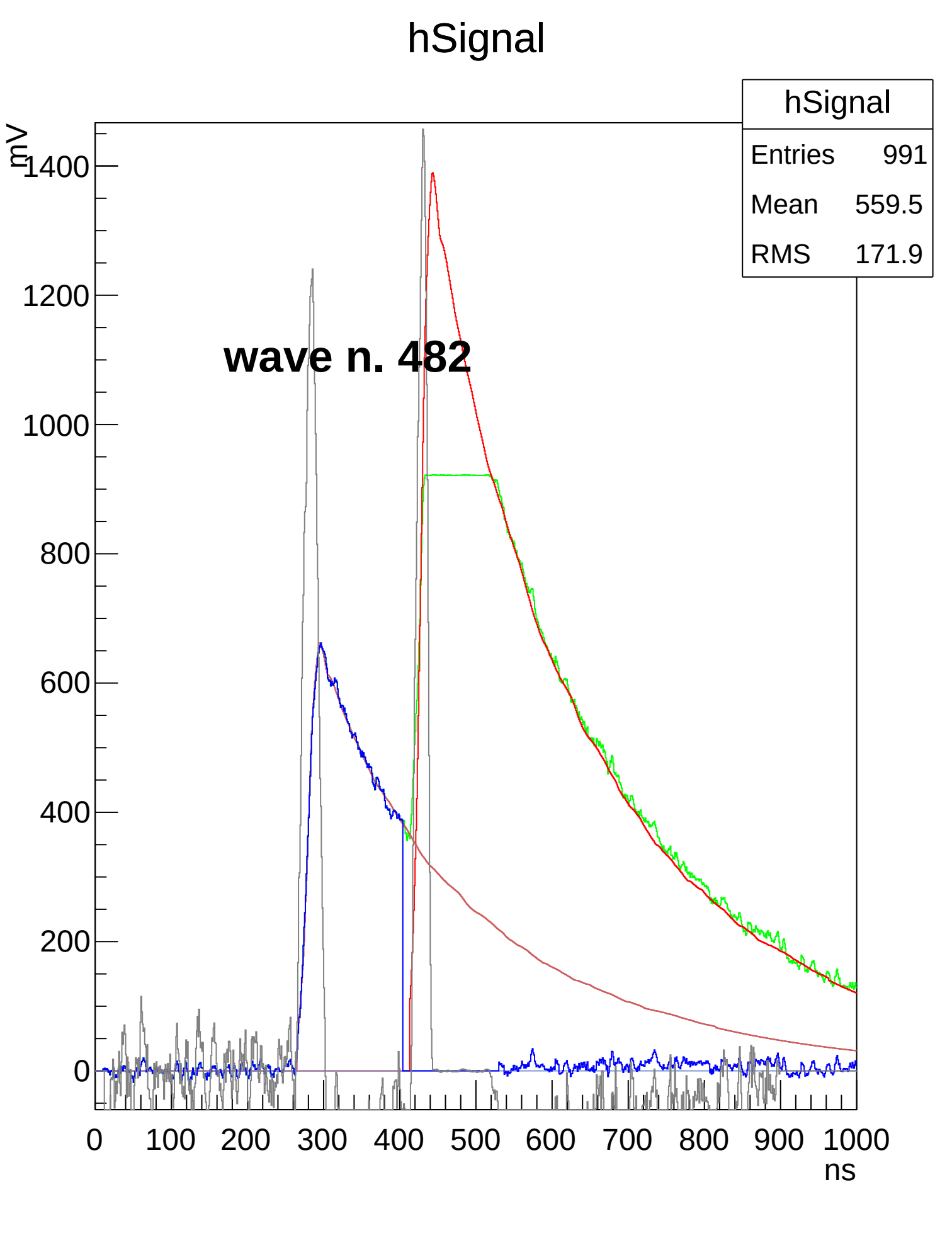

hSignal
hSignal
Entries 991
Mean 562.1
RMS 160.5
wave n. 477
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

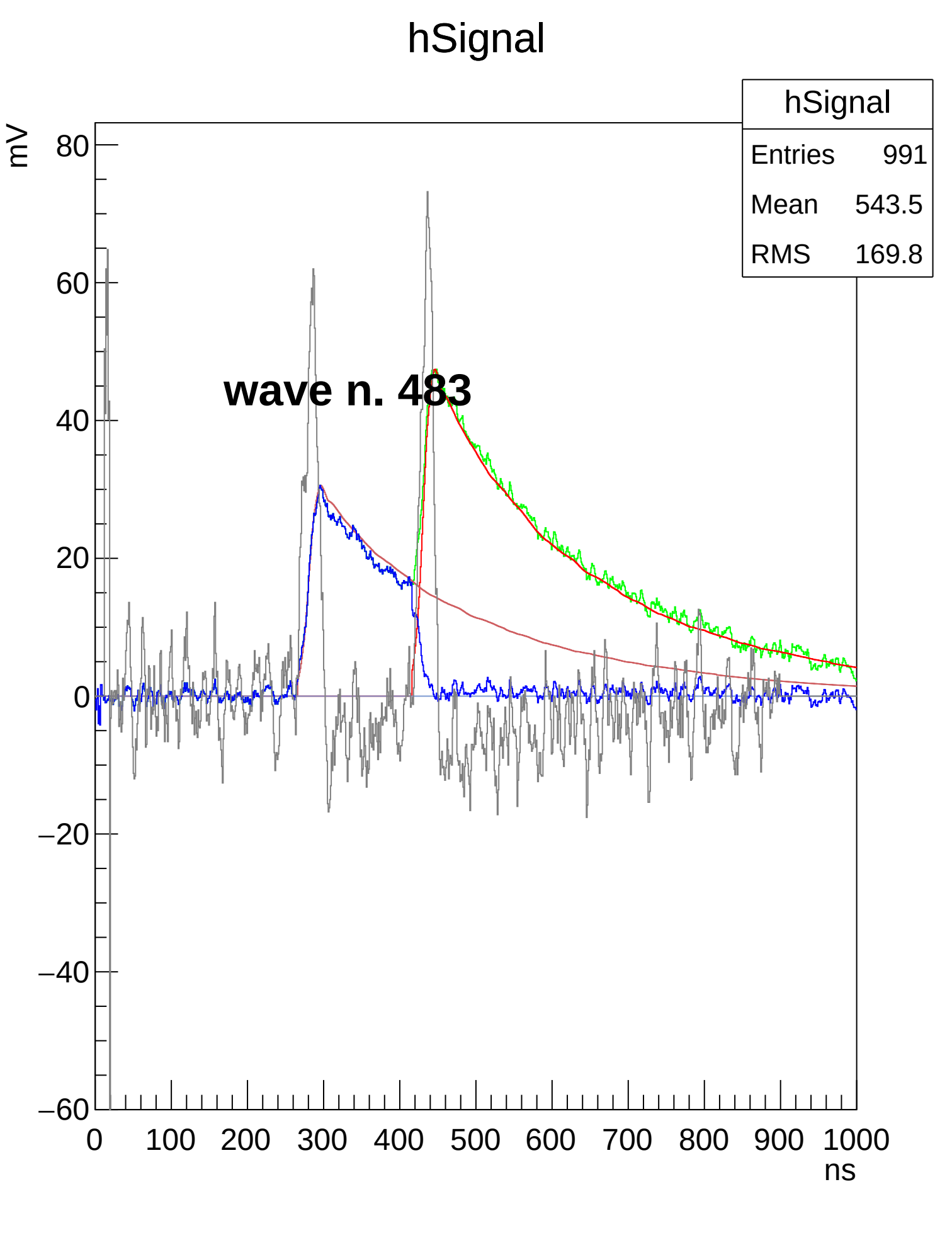

hSignal
hSignal
Entries 991
Mean 465.9
RMS 176.2
wave n. 478
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

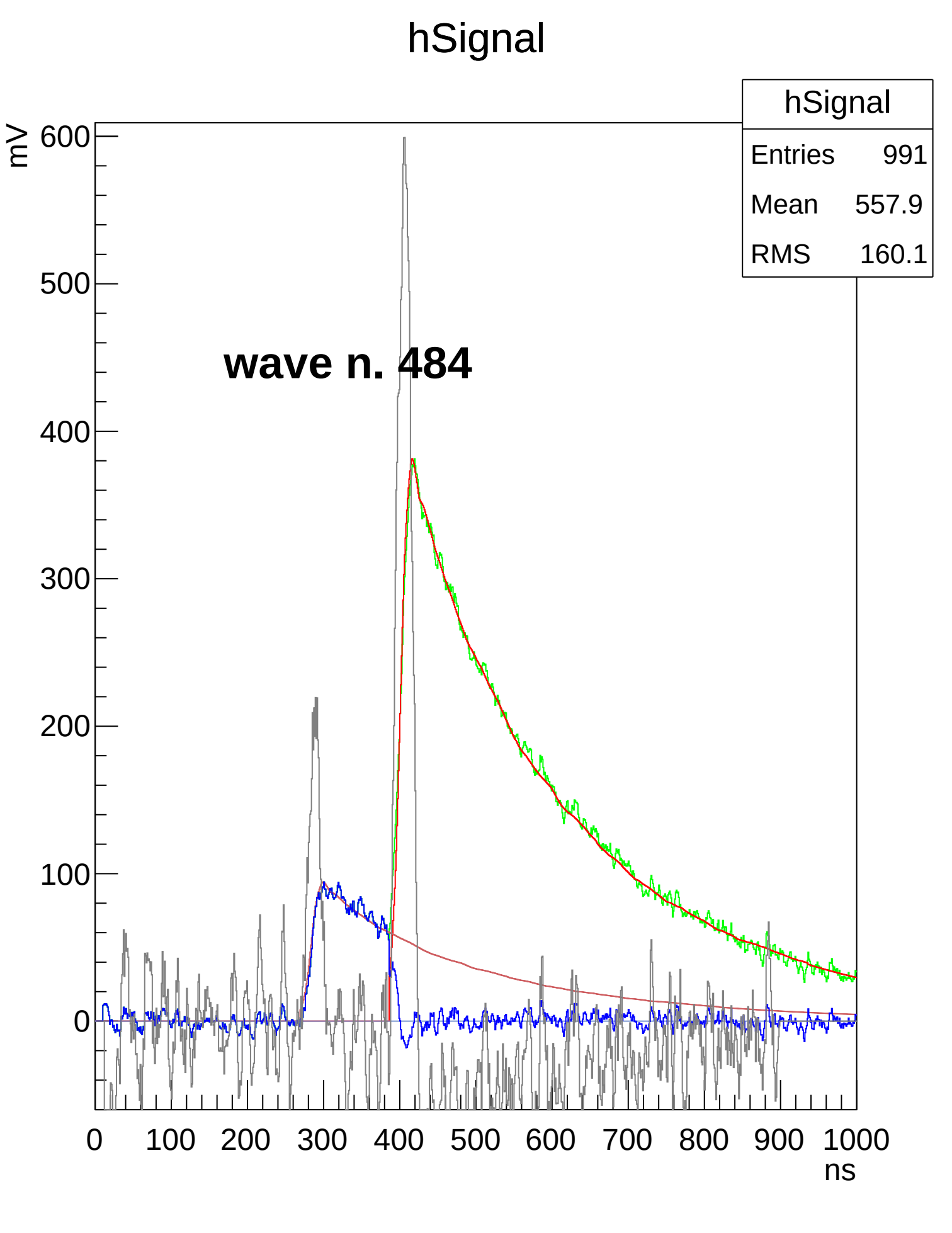

hSignal
hSignal
Entries 991
Mean 483.6
RMS 180.3
wave n. 479
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

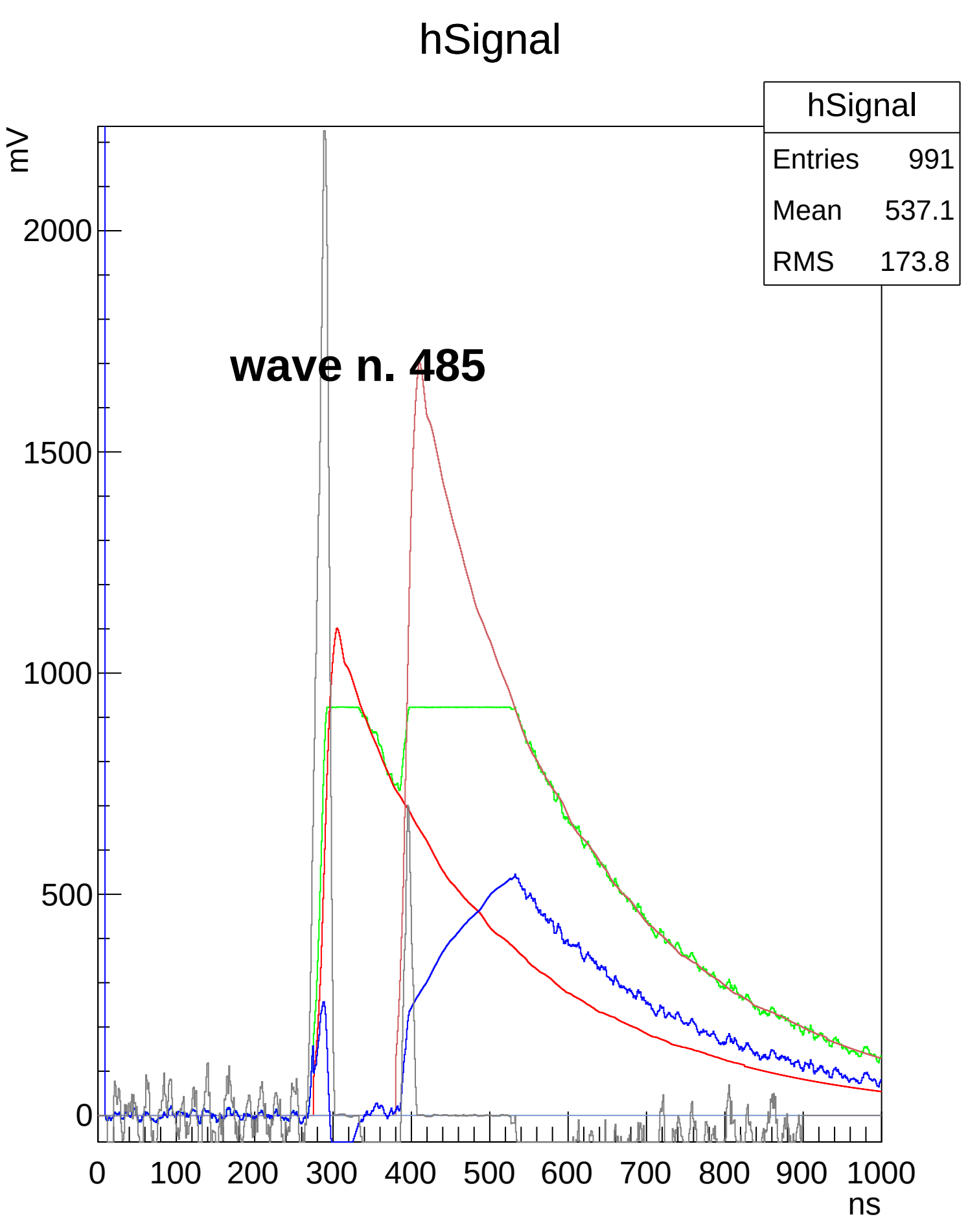

hSignal
hSignal
Entries 991
Mean 506.7
RMS 181.2
wave n. 480
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

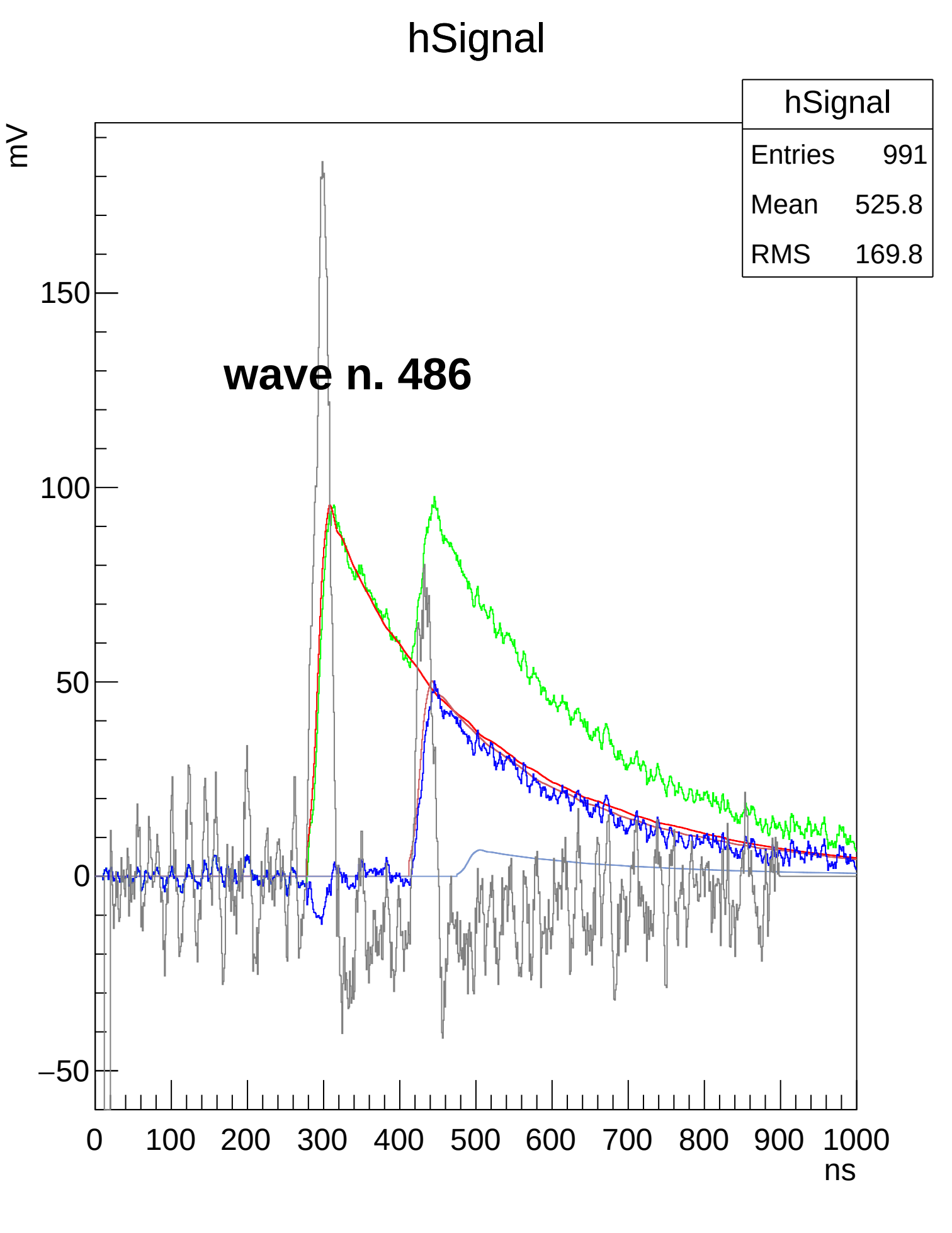

hSignal
hSignal
Entries 991
Mean 525.6
RMS 172.9
wave n. 481
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

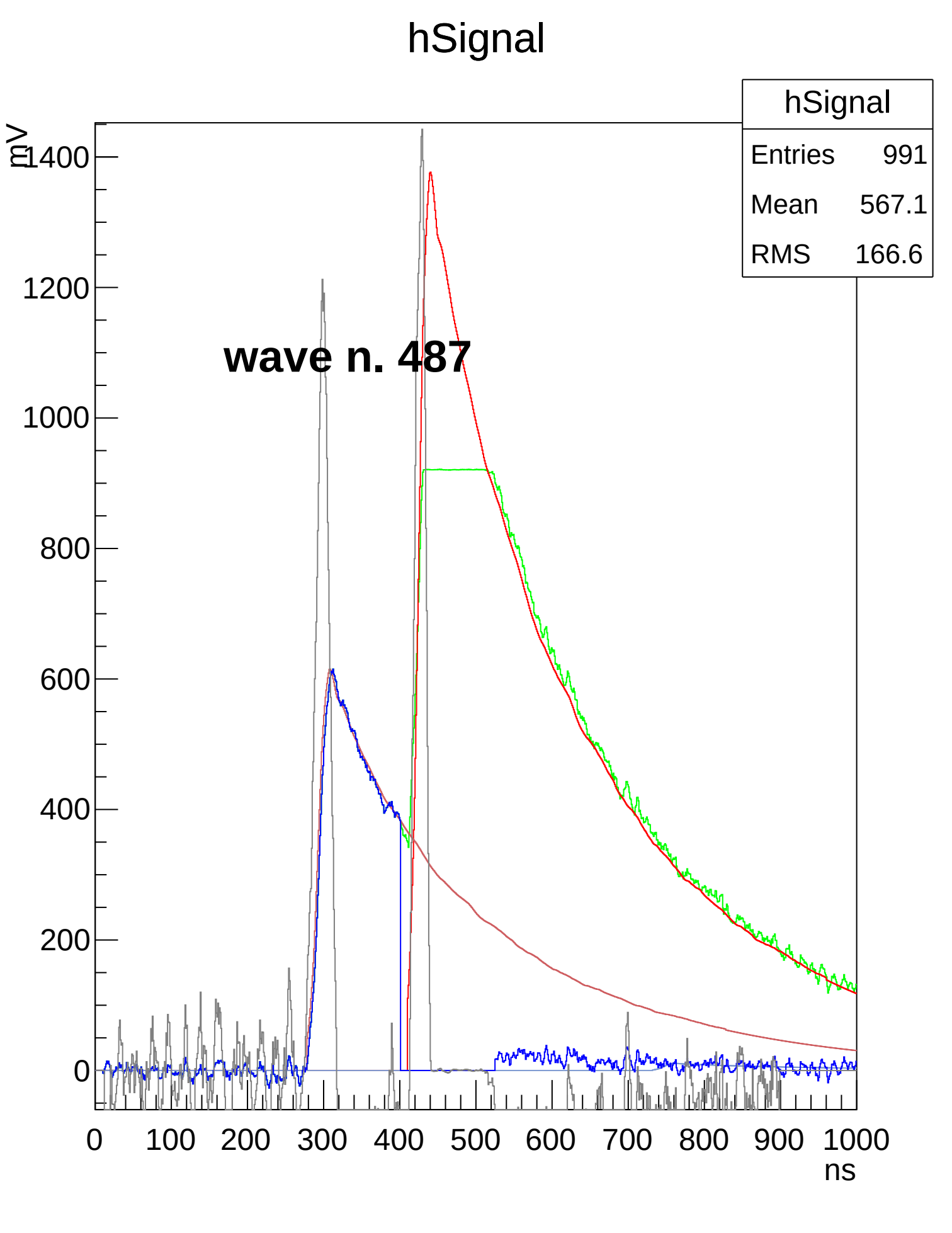

hSignal
hSignal
Entries 991
Mean 559.5
RMS 171.9
wave n. 482
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

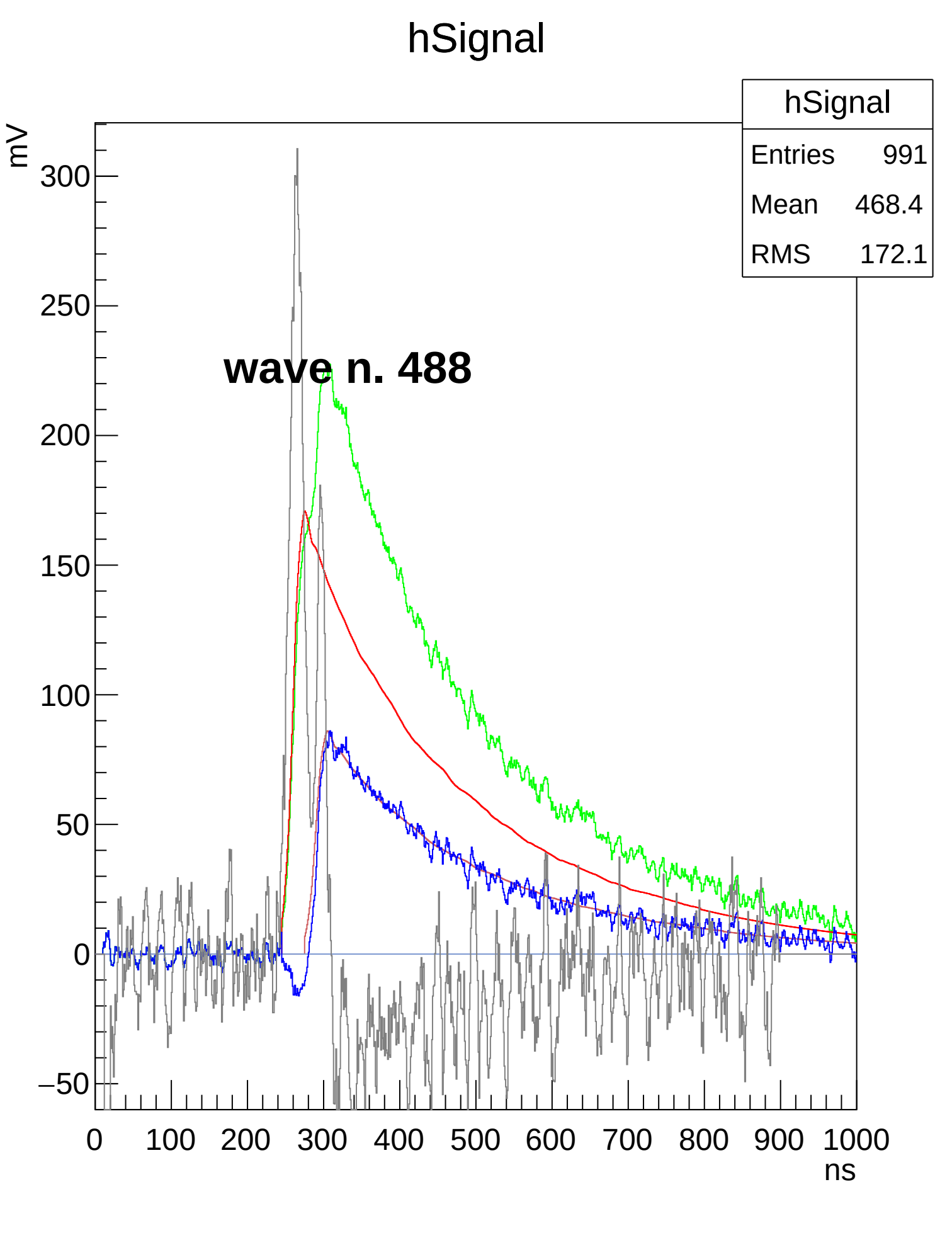

hSignal
hSignal
Entries 991
Mean 543.5
RMS 169.8
wave n. 483
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

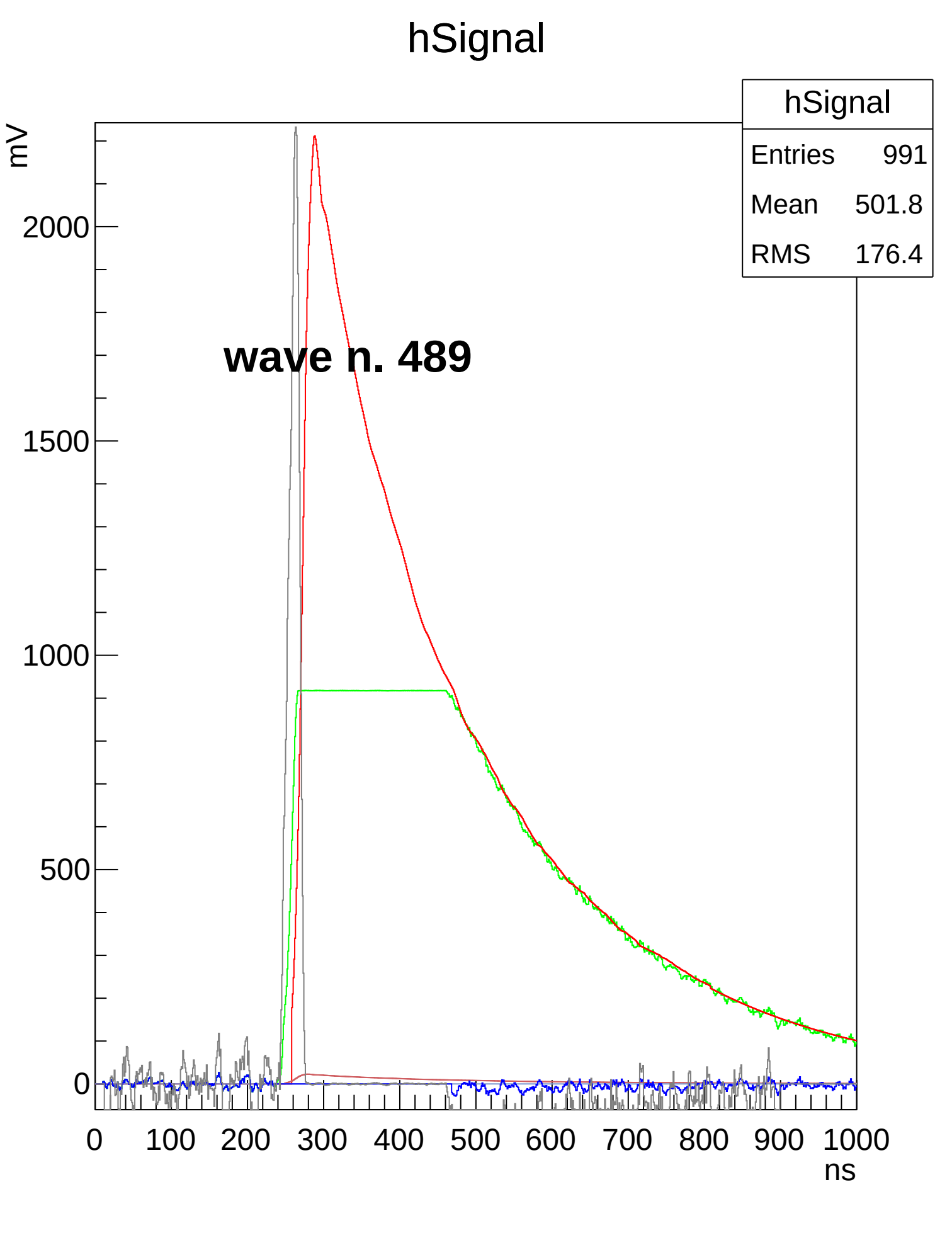

hSignal
hSignal
Entries 991
Mean 557.9
RMS 160.1
wave n. 484
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

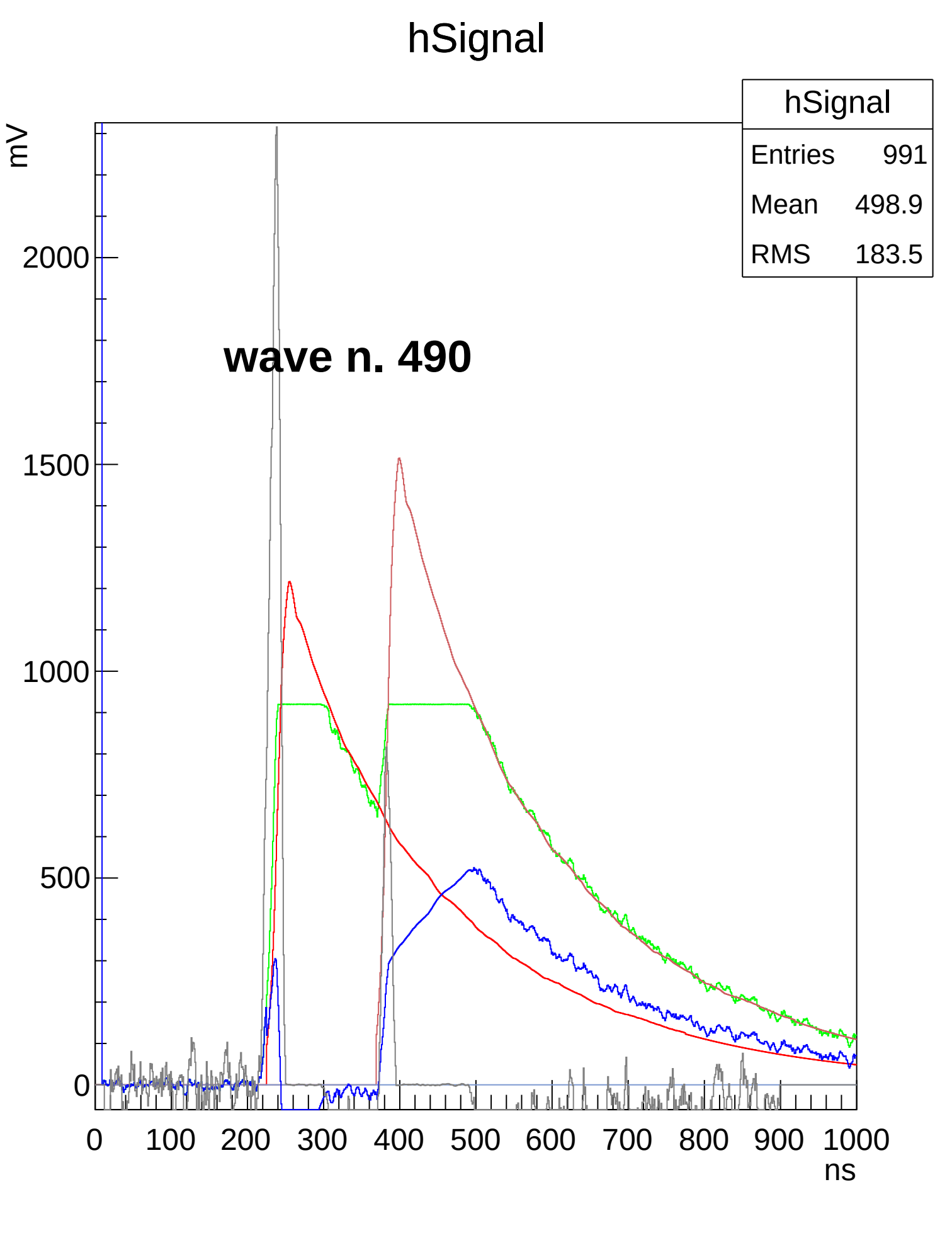

hSignal
hSignal
Entries 991
Mean 537.1
RMS 173.8
wave n. 485
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

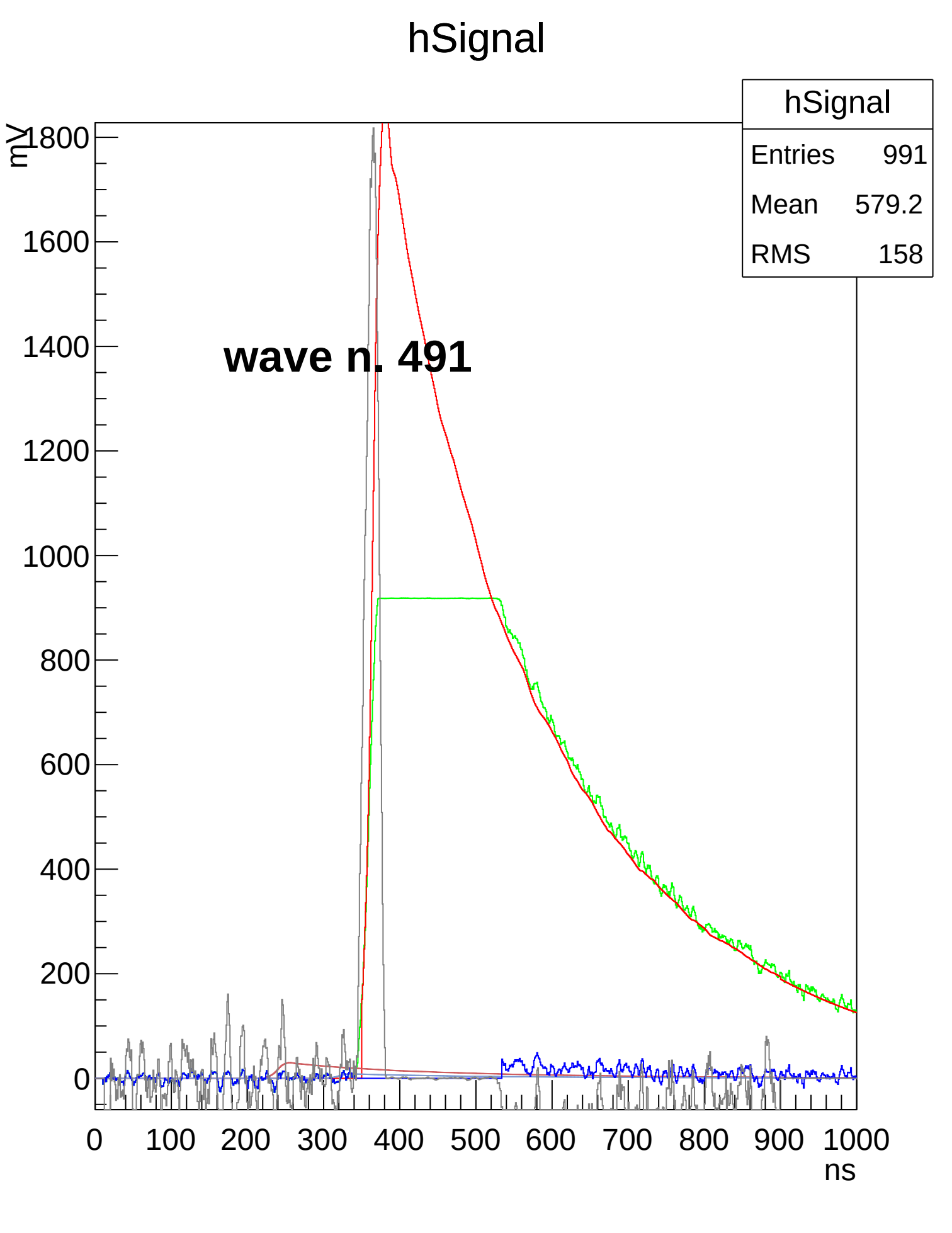

hSignal
hSignal
Entries 991
Mean 525.8
RMS 169.8
wave n. 486
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

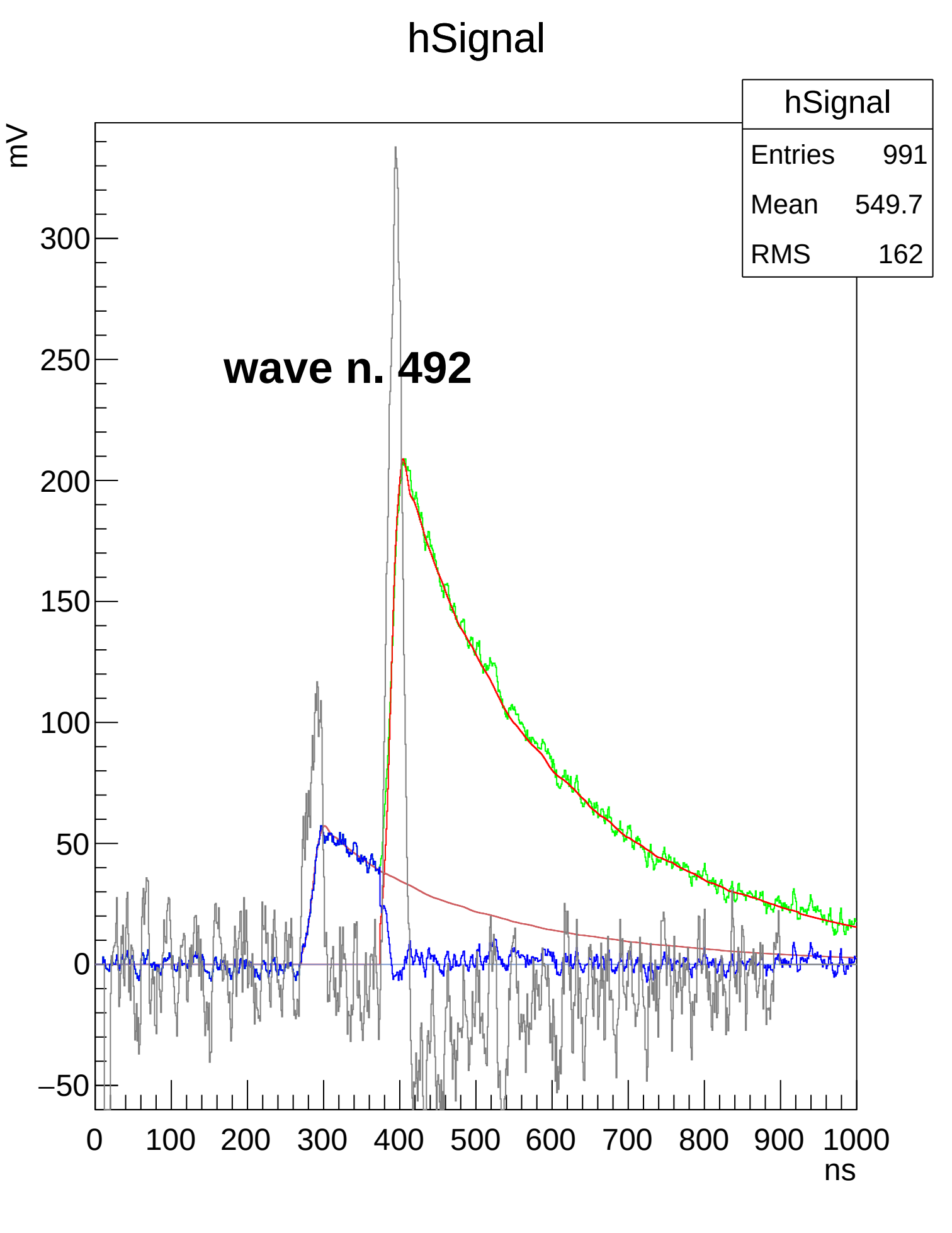

hSignal
hSignal
Entries 991
Mean 567.1
RMS 166.6
wave n. 487
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

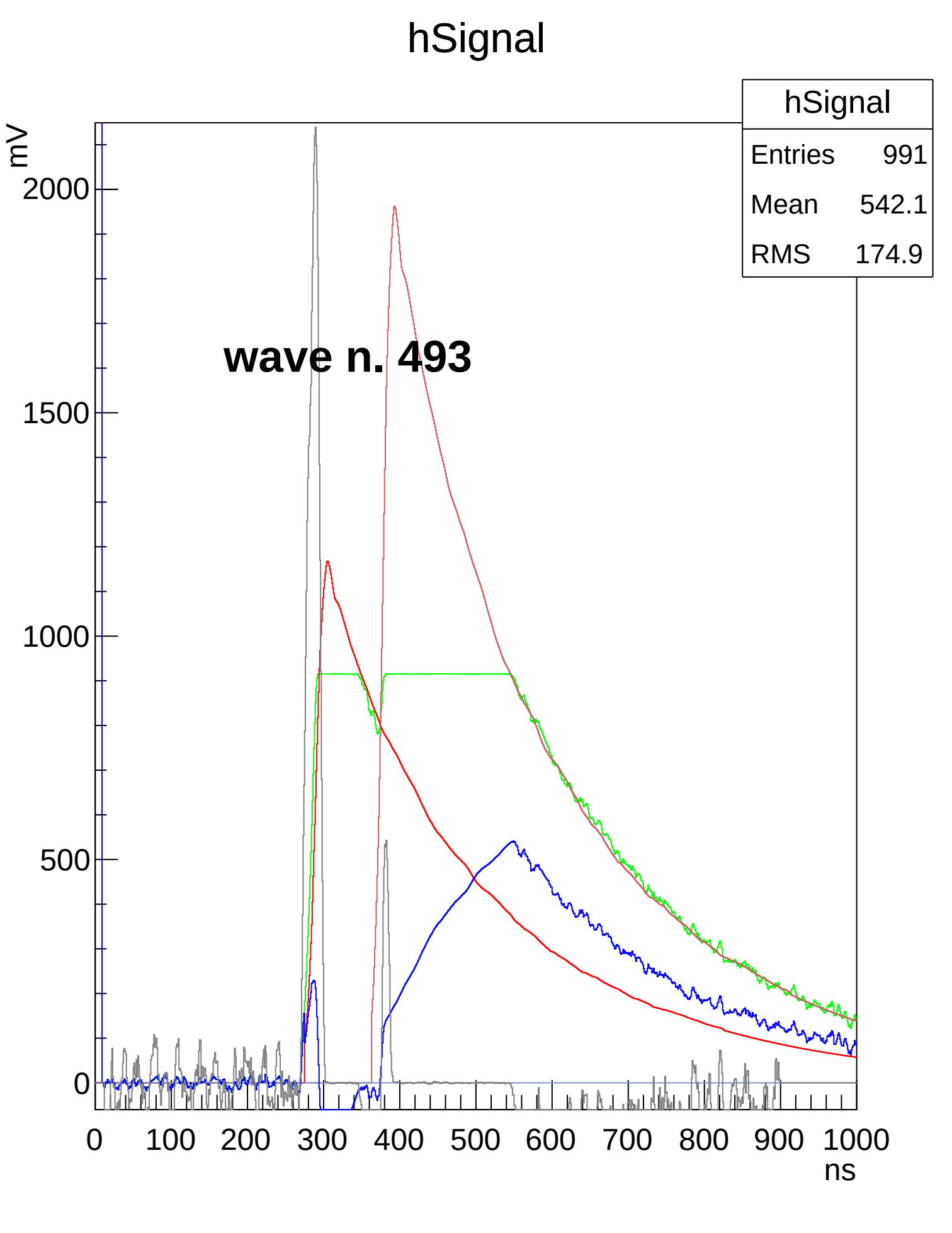

hSignal
hSignal
Entries 991
Mean 468.4
RMS 172.1
wave n. 488
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

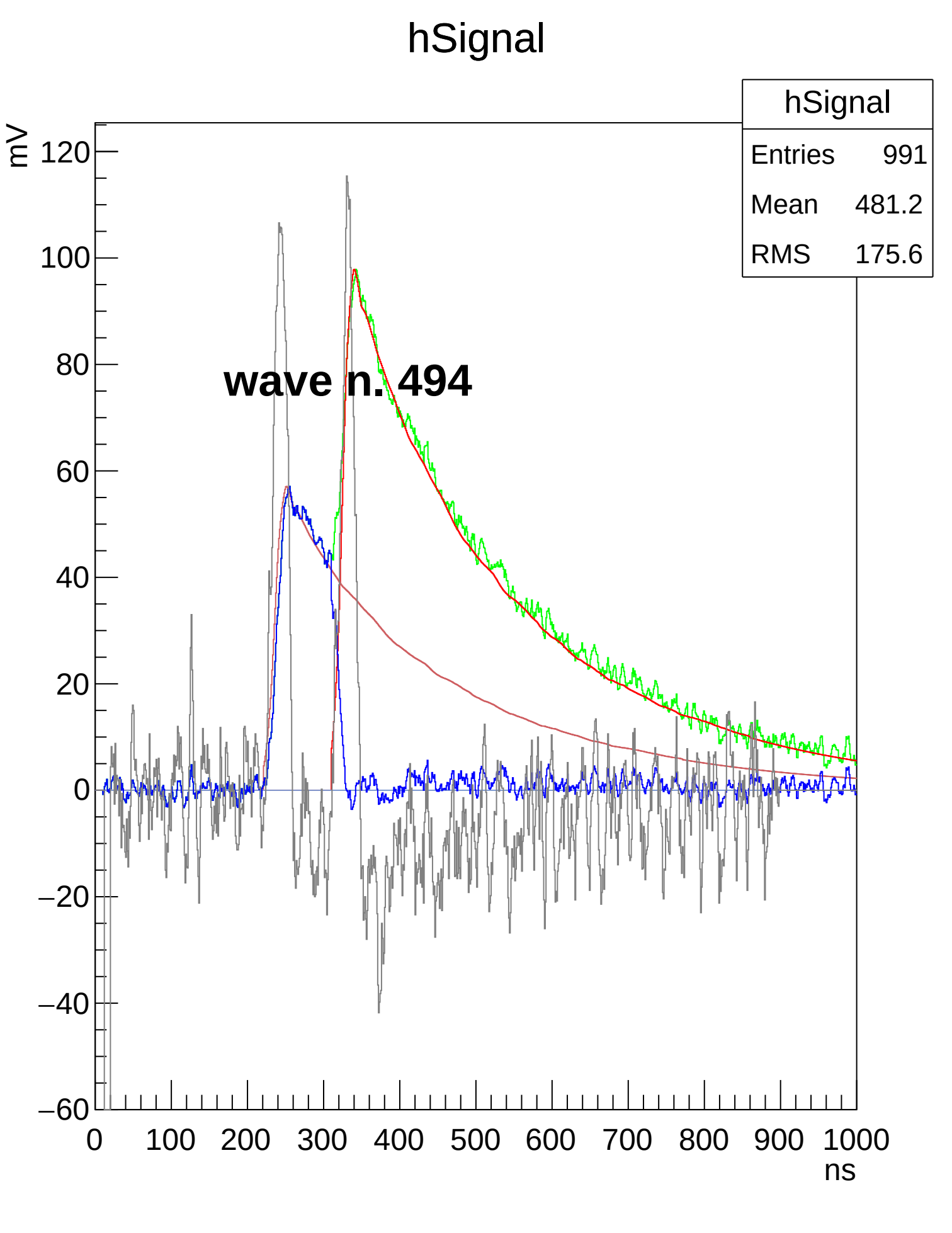

hSignal
hSignal
Entries 991
Mean 501.8
RMS 176.4
wave n. 489
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

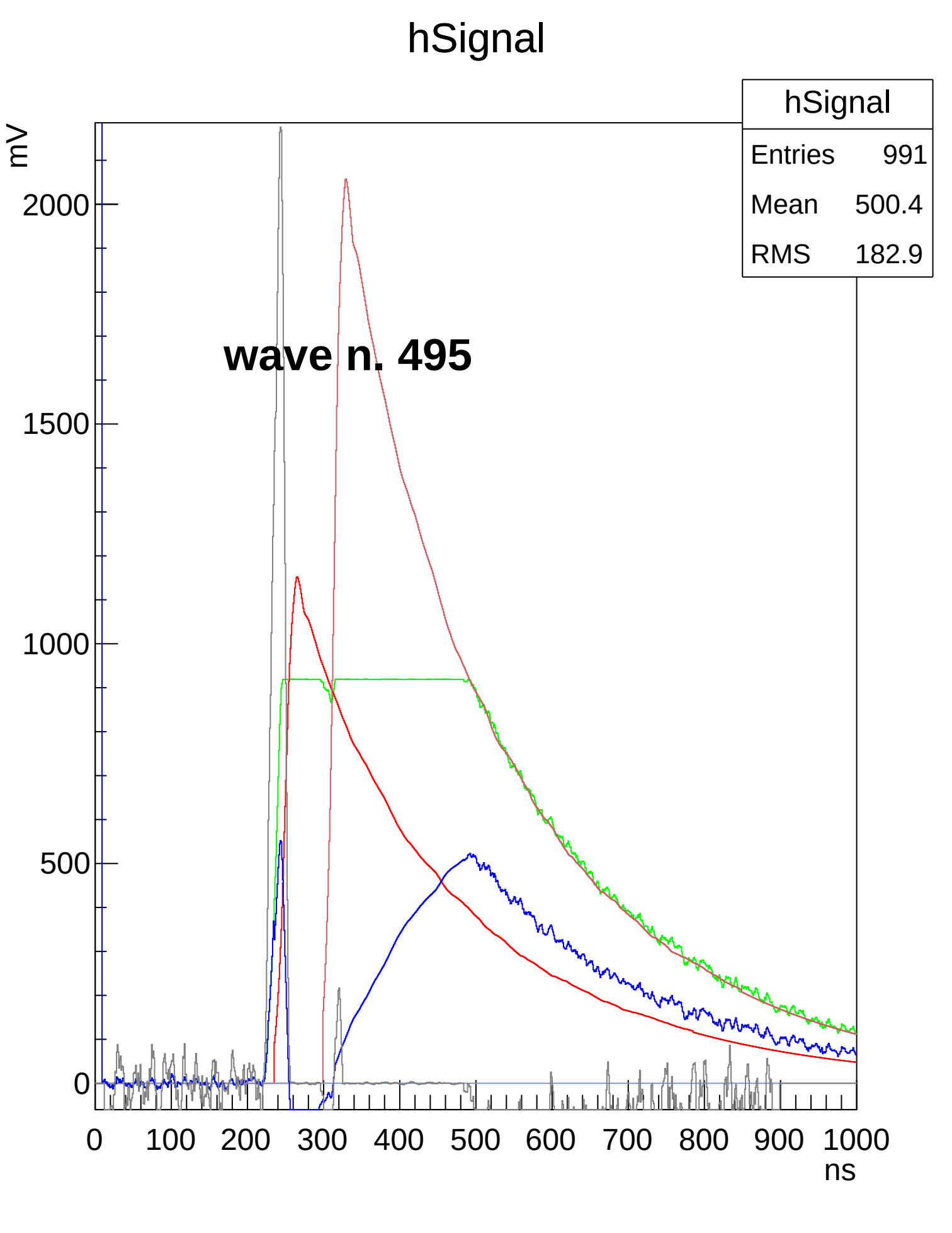

hSignal
hSignal
Entries 991
Mean 498.9
RMS 183.5
wave n. 490
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

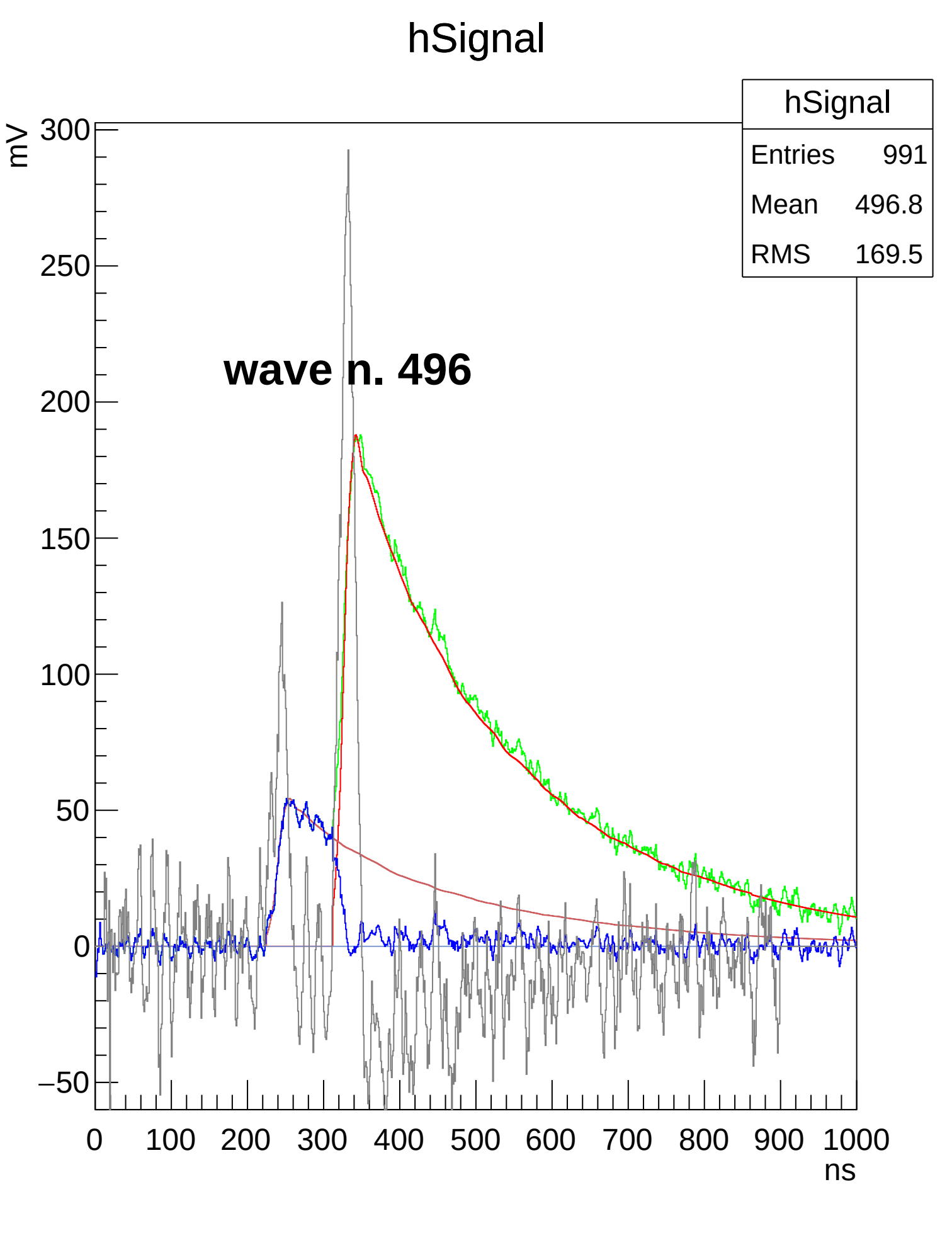

hSignal
hSignal
Entries 991
Mean 579.2
RMS 158
wave n. 491
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

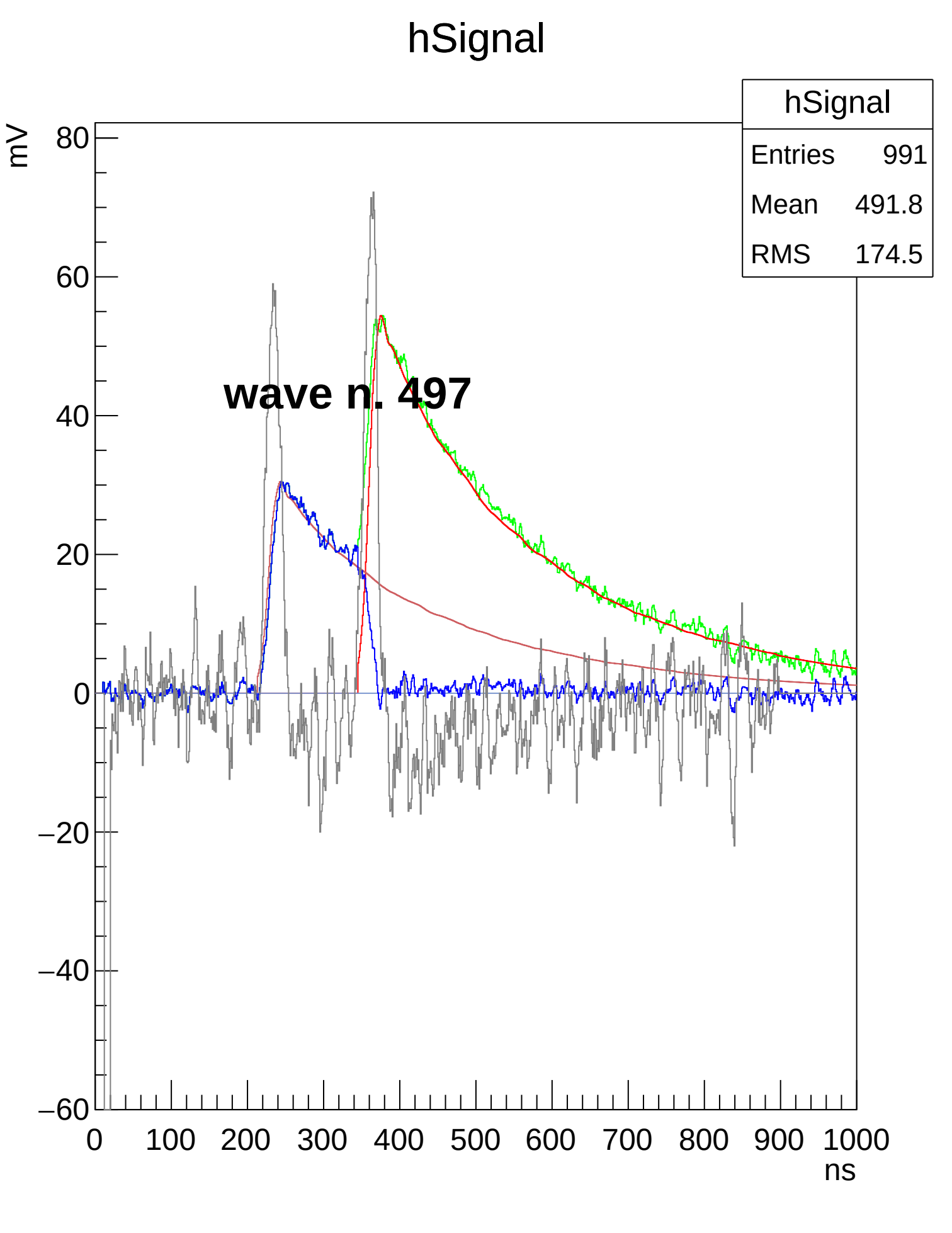

hSignal
hSignal
Entries 991
Mean 549.7
RMS 162
wave n. 492
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

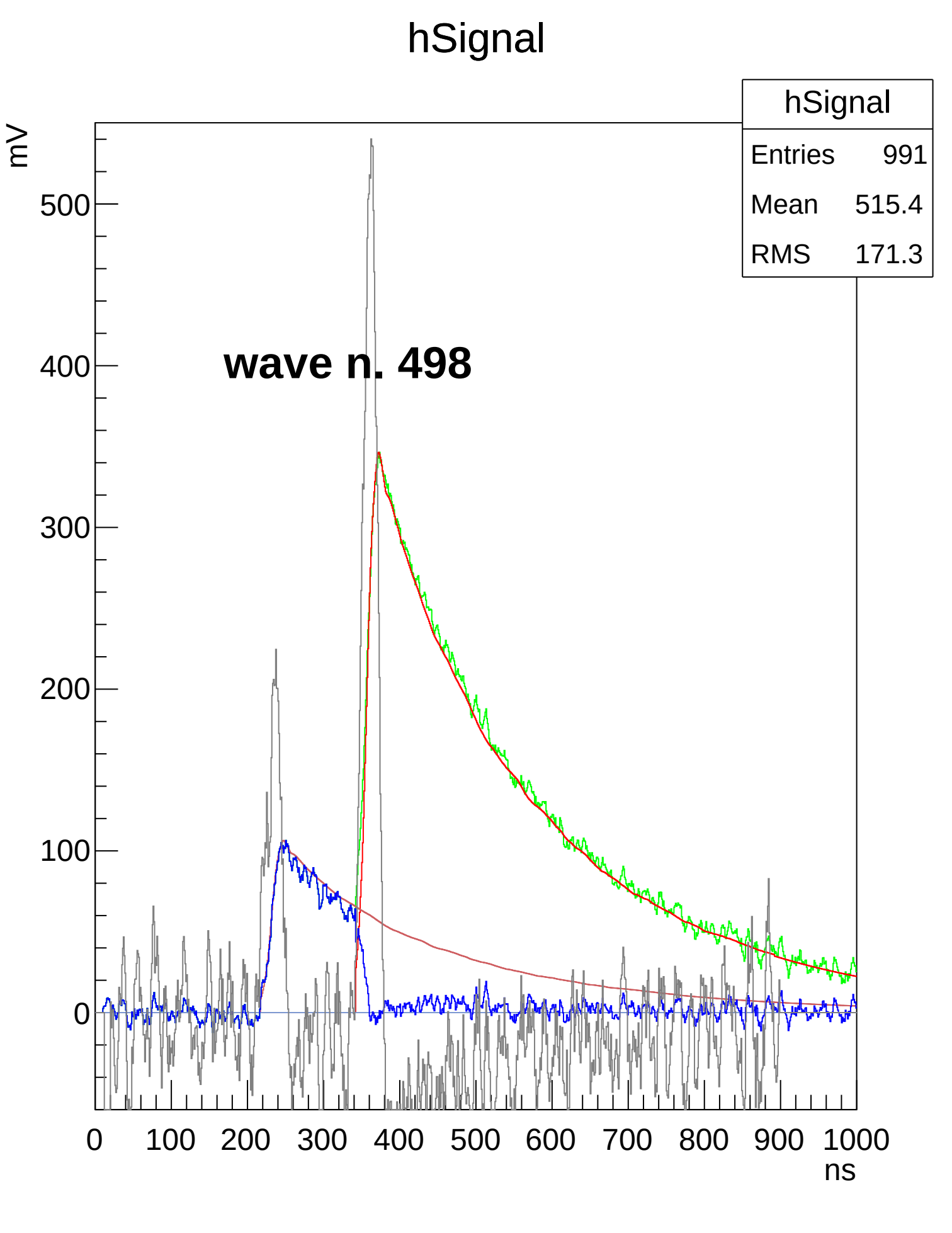

hSignal
hSignal
Entries 991
Mean 542.1
RMS 174.9
wave n. 493
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

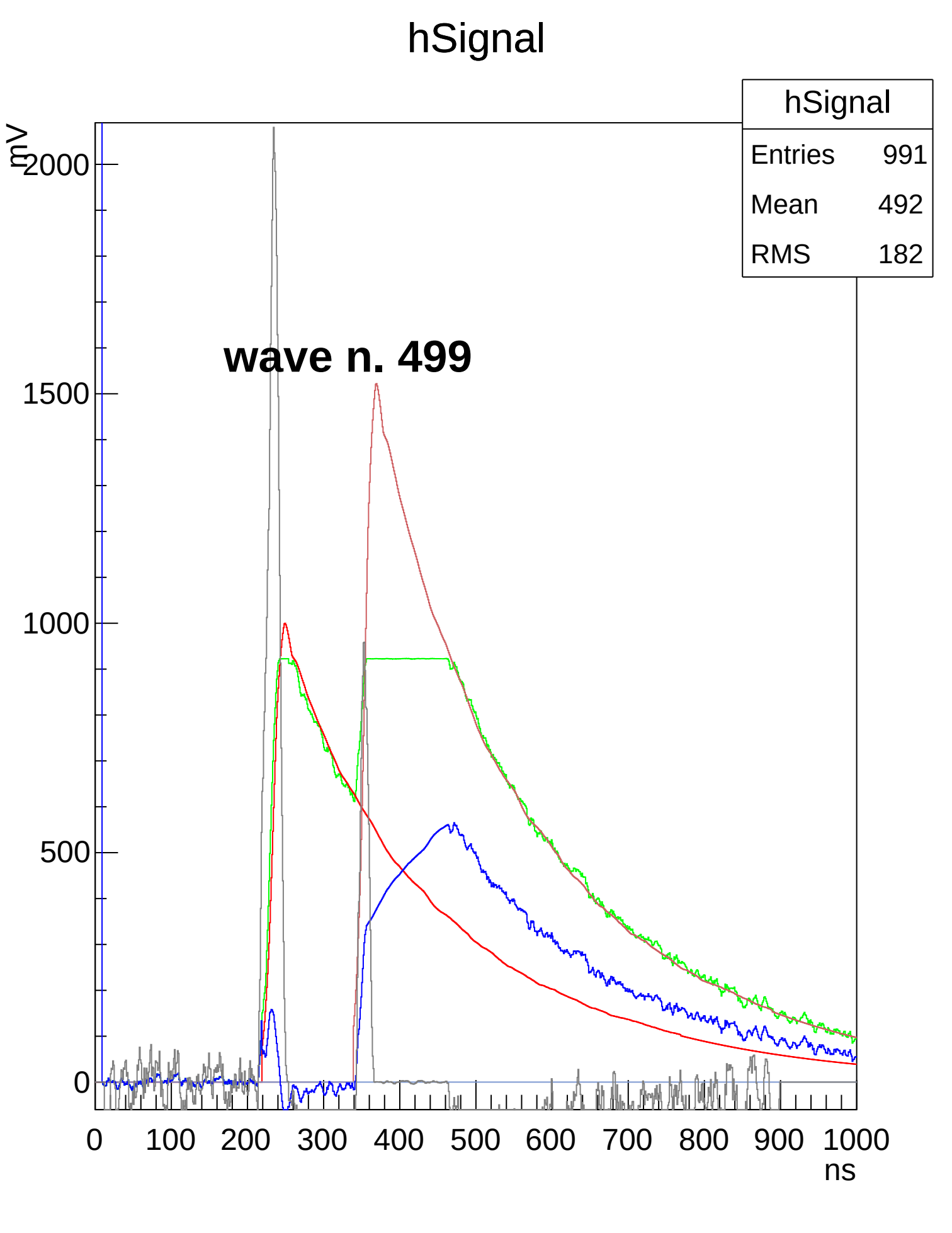

hSignal
hSignal
Entries 991
Mean 481.2
RMS 175.6
wave n. 494
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

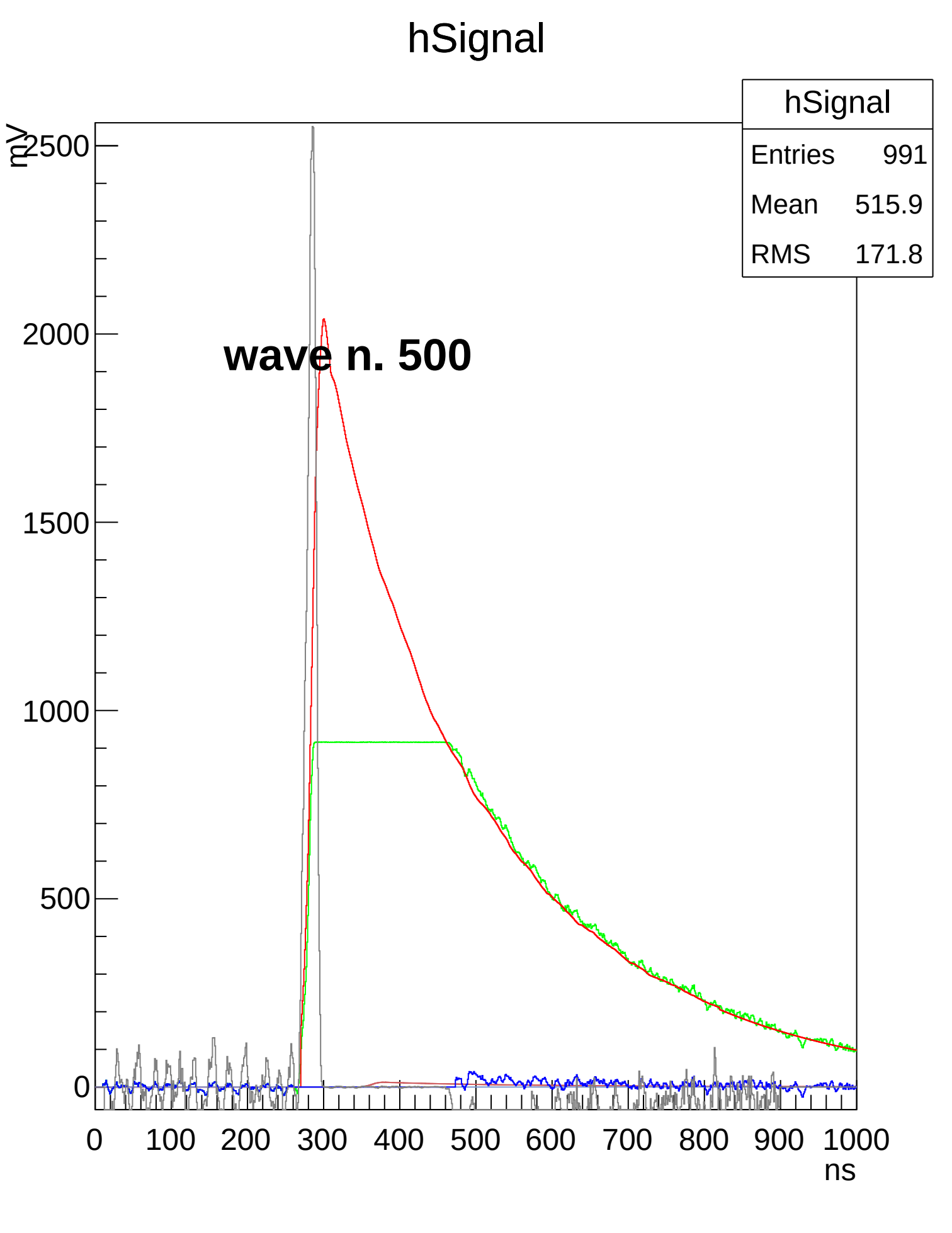

hSignal
hSignal
Entries 991
Mean 500.4
RMS 182.9
wave n. 495
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

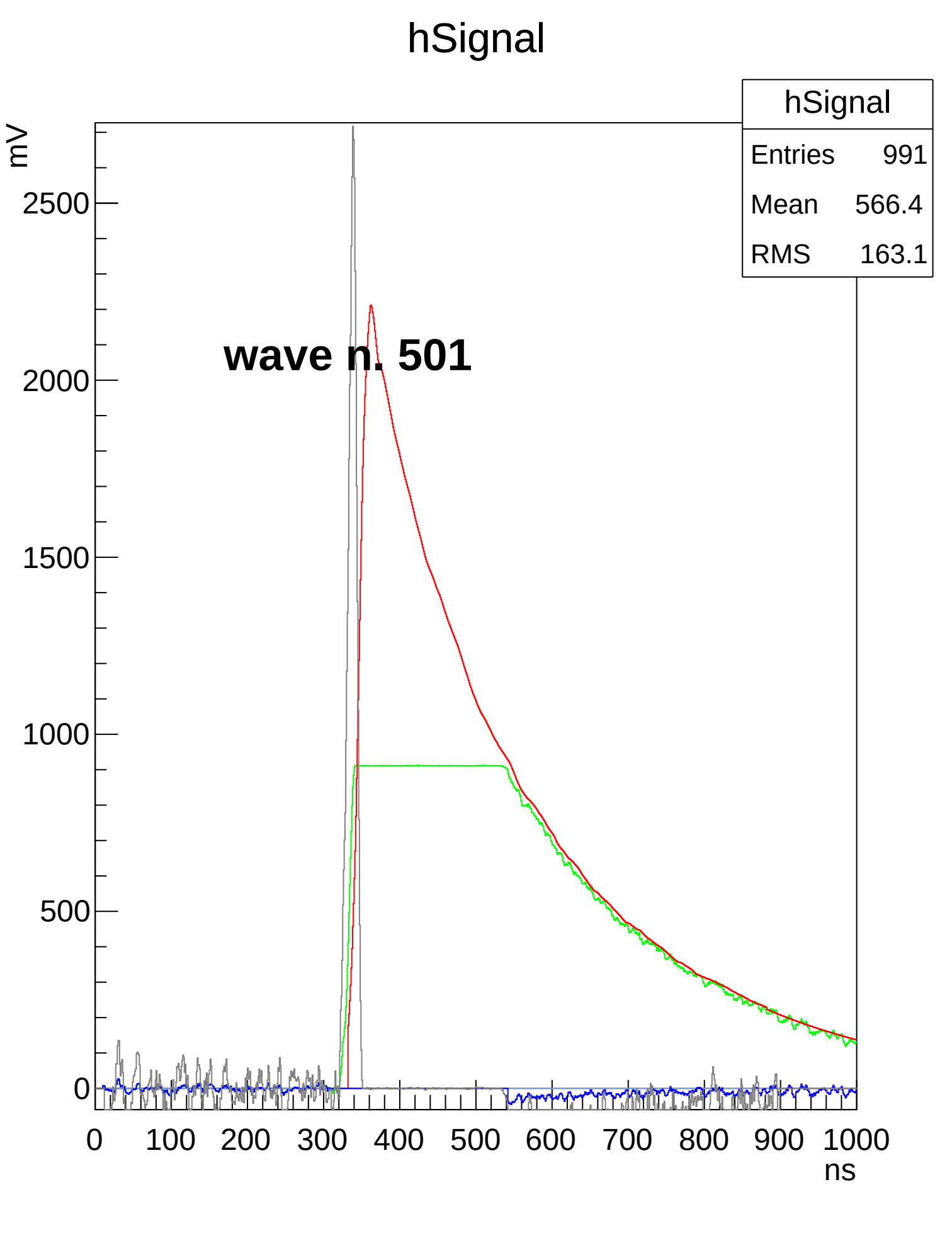

hSignal
hSignal
Entries 991
Mean 496.8
RMS 169.5
wave n. 496
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

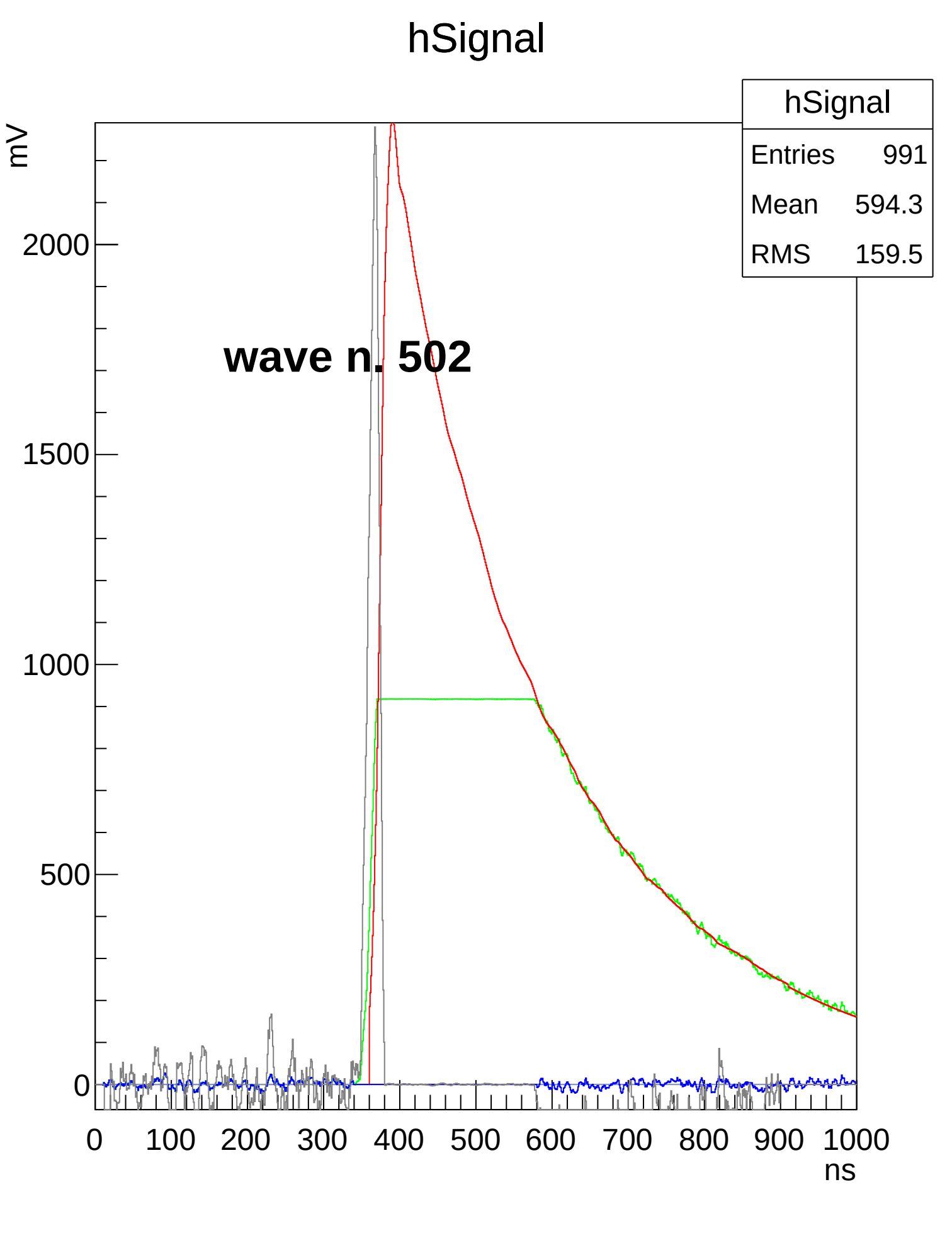

hSignal
hSignal
Entries 991
Mean 491.8
RMS 174.5
wave n. 497
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

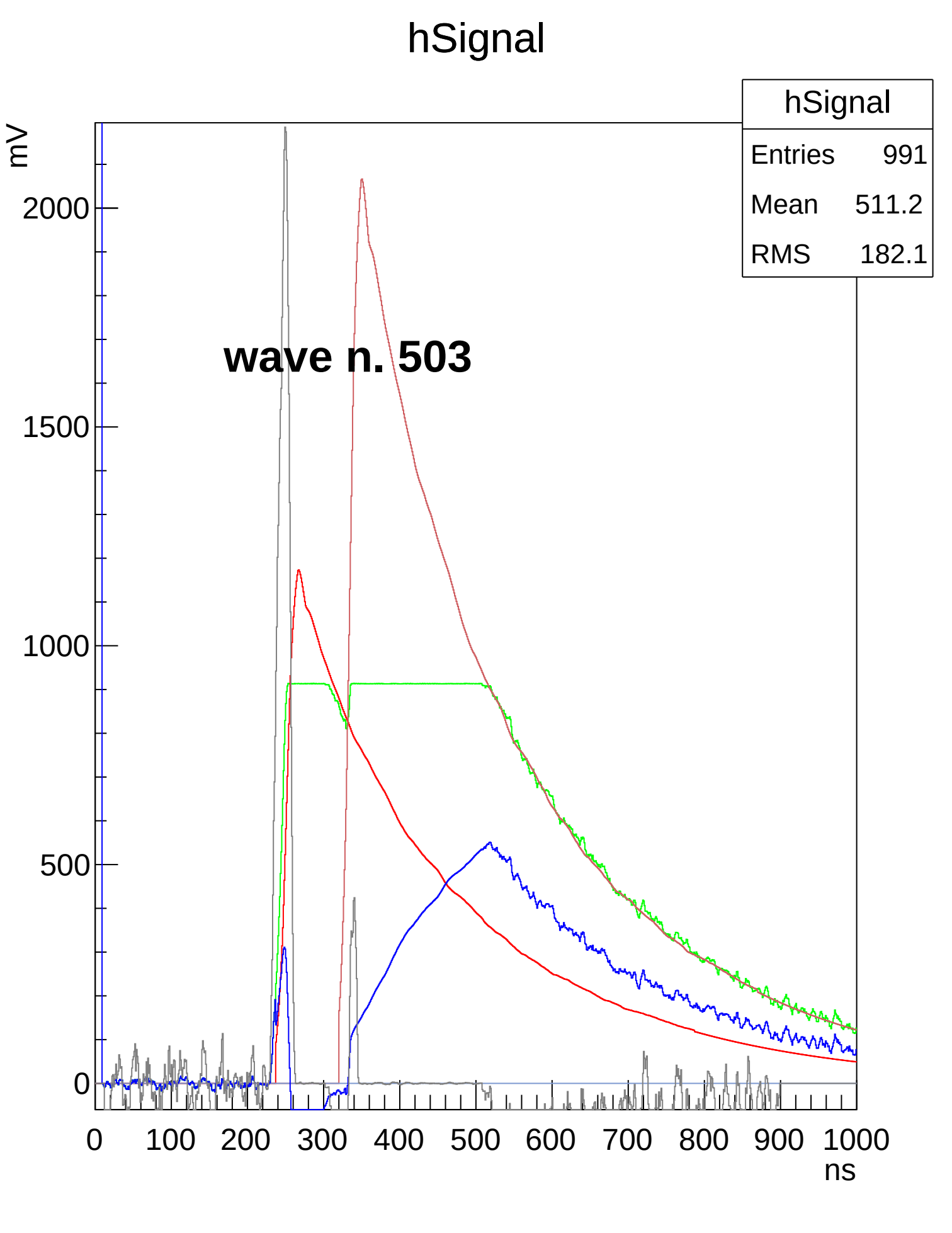

hSignal
hSignal
Entries 991
Mean 515.4
RMS 171.3
wave n. 498
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

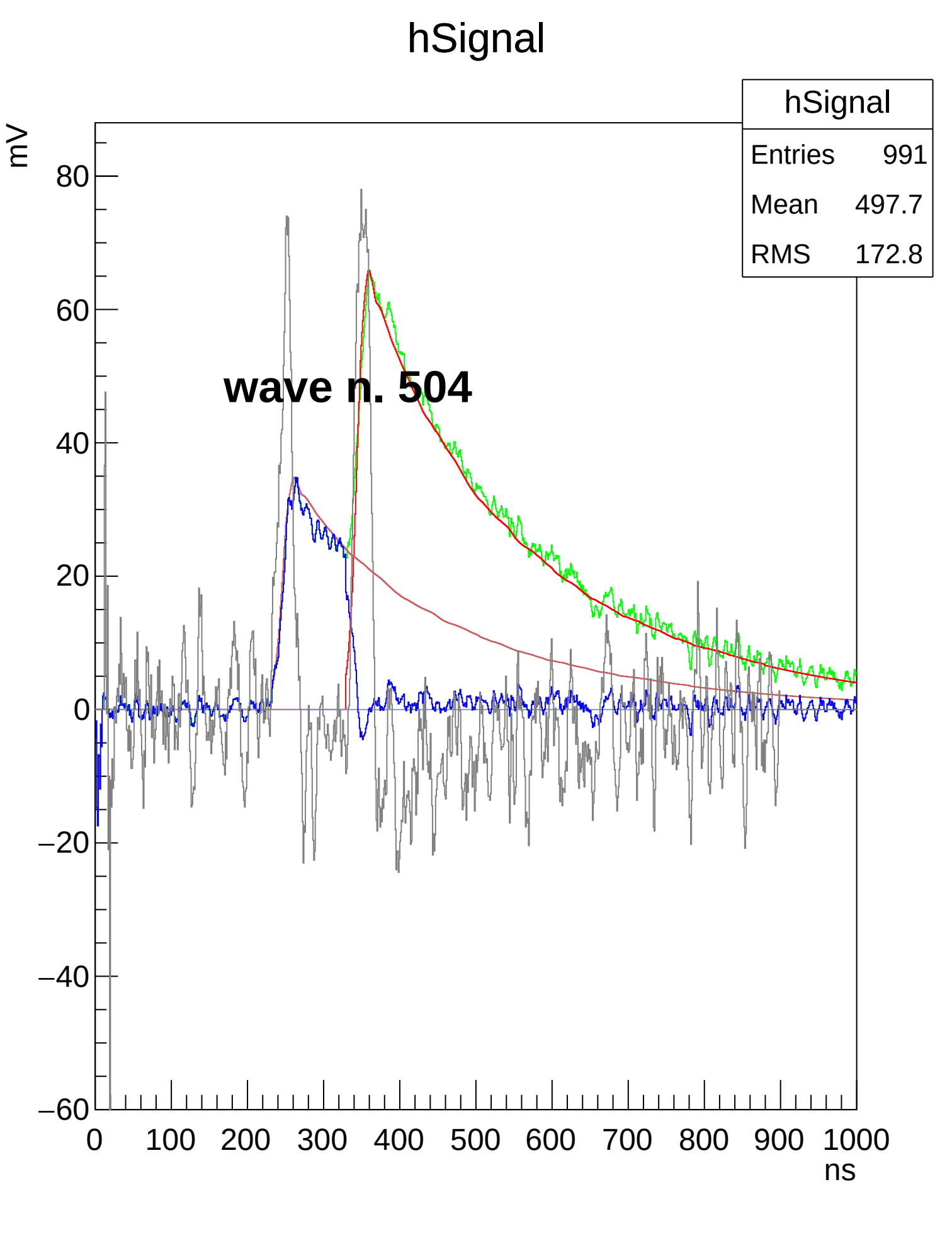

hSignal
hSignal
Entries 991
Mean 492
RMS 182
wave n. 499
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

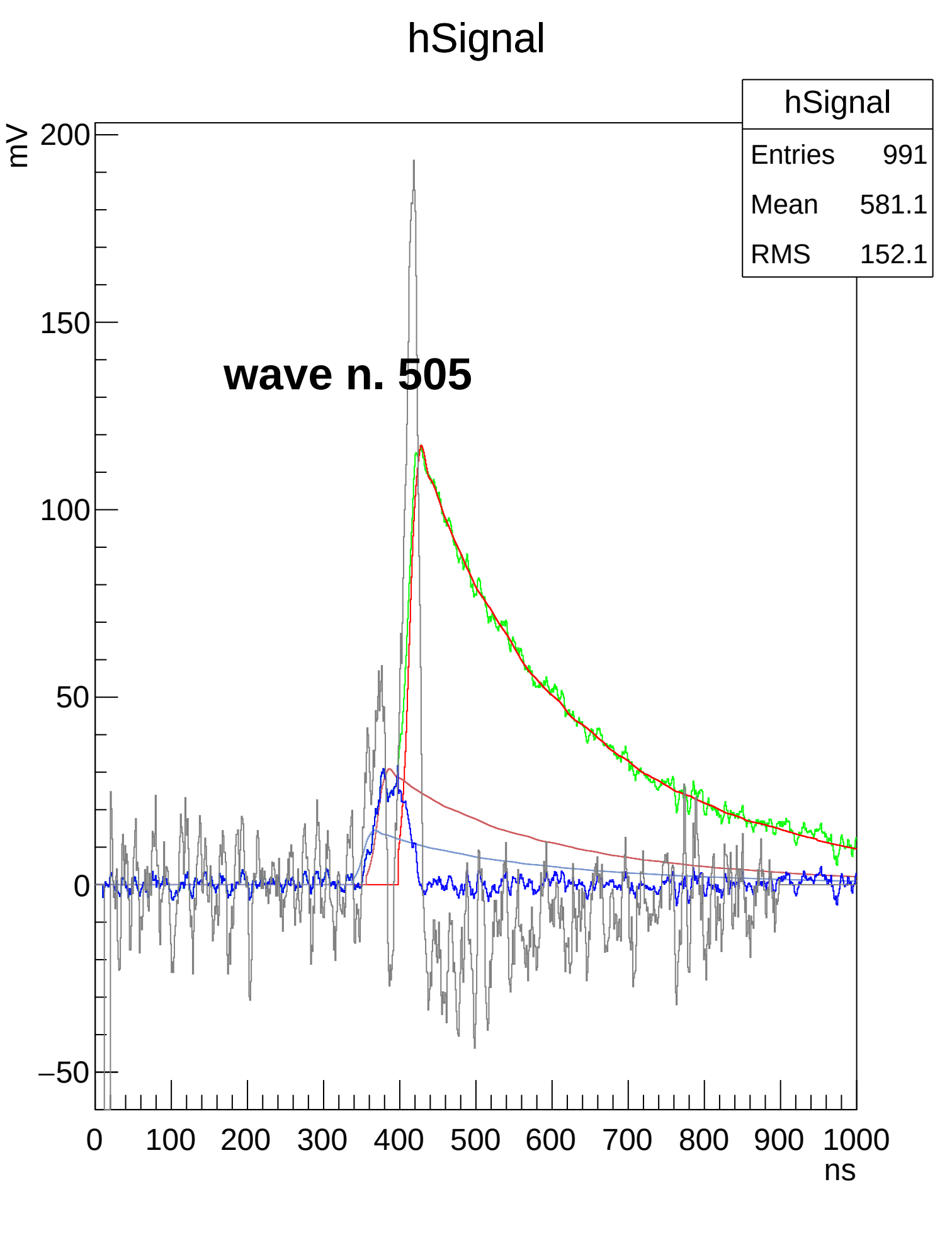

hSignal
hSignal
Entries 991
Mean 515.9
RMS 171.8
wave n. 500
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

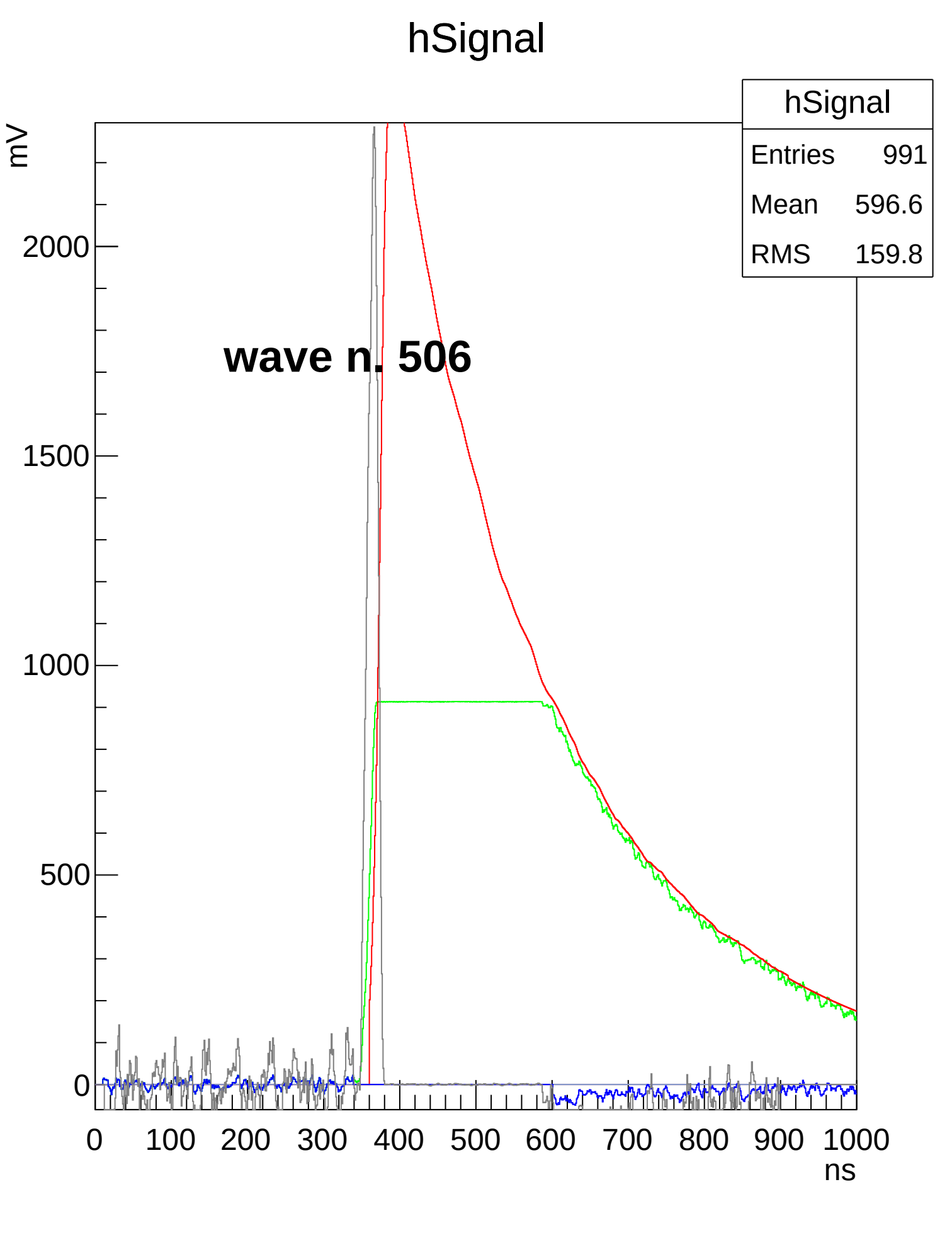

hSignal
hSignal
Entries 991
Mean 566.4
RMS 163.1
wave n. 501
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

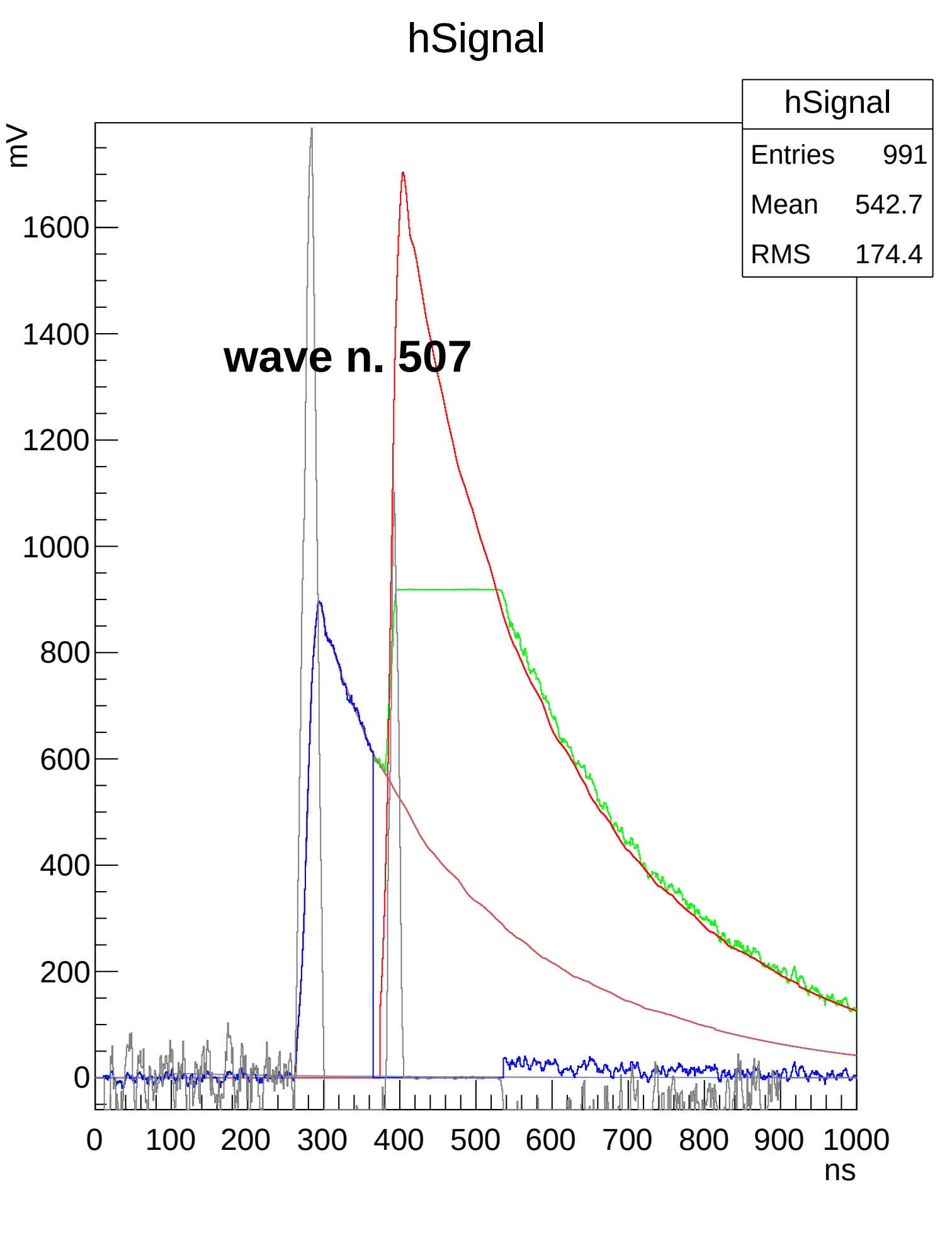

hSignal
hSignal
Entries 991
Mean 594.3
RMS 159.5
wave n. 502
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

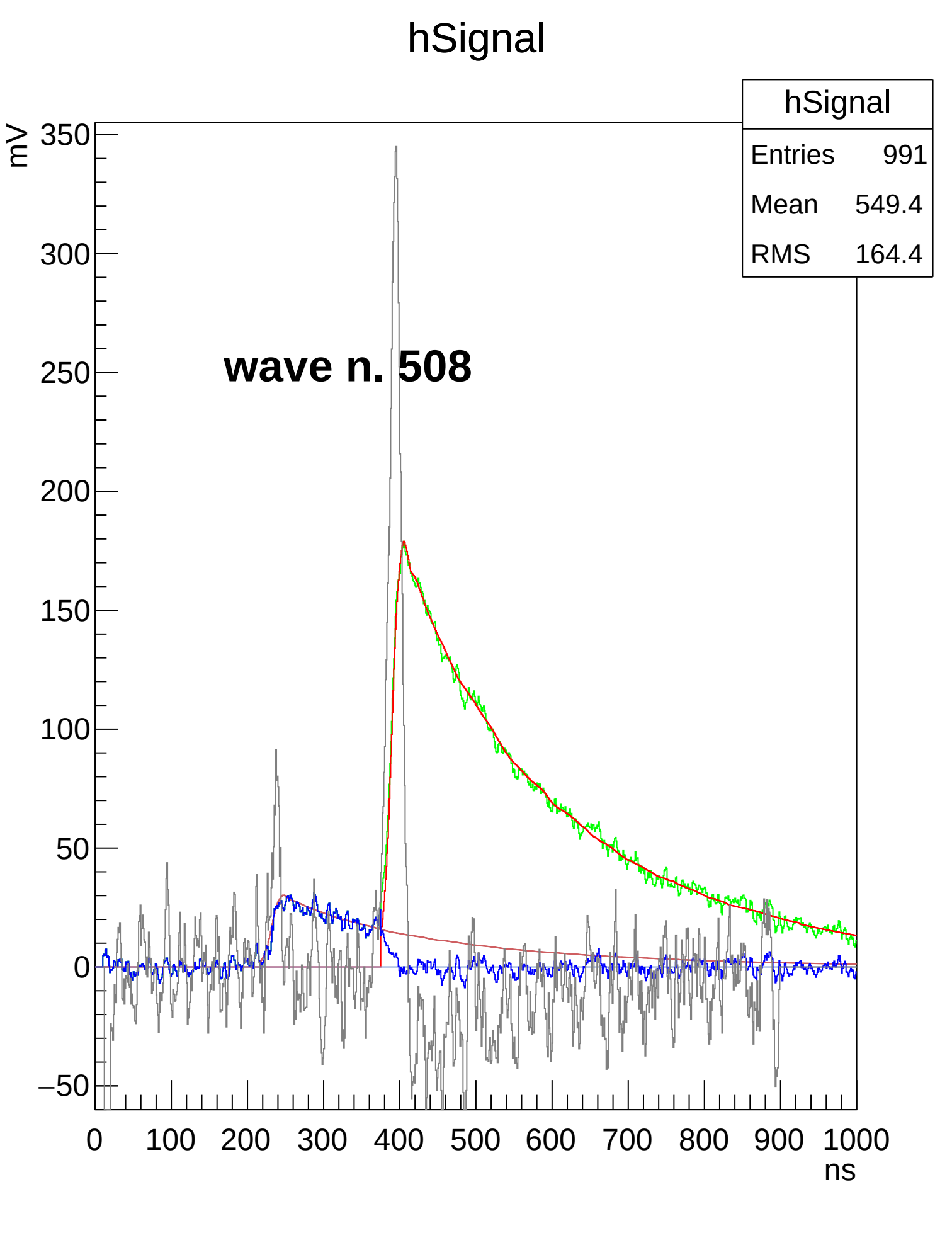

hSignal
hSignal
Entries 991
Mean 511.2
RMS 182.1
wave n. 503
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

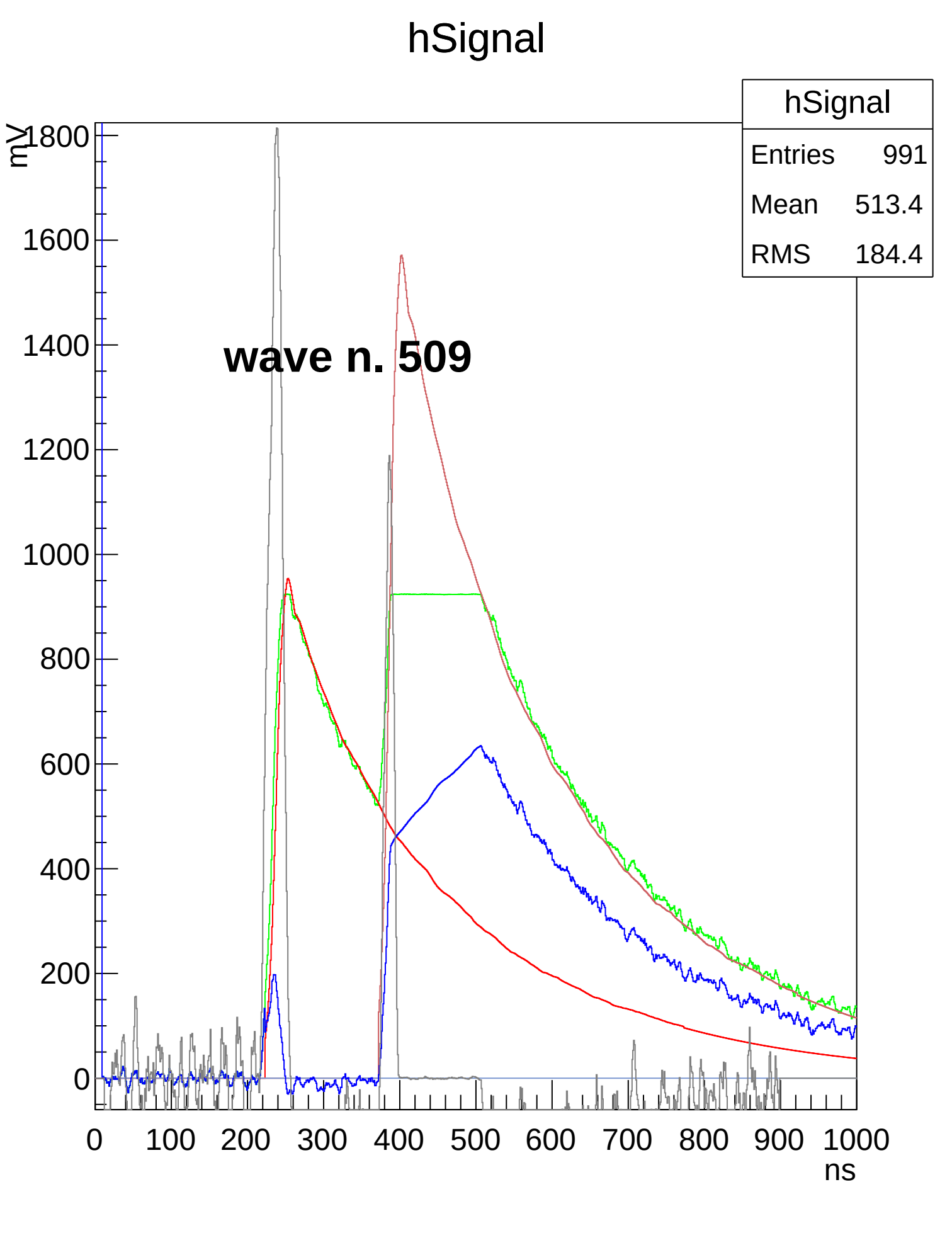

hSignal
hSignal
Entries 991
Mean 497.7
RMS 172.8
wave n. 504
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

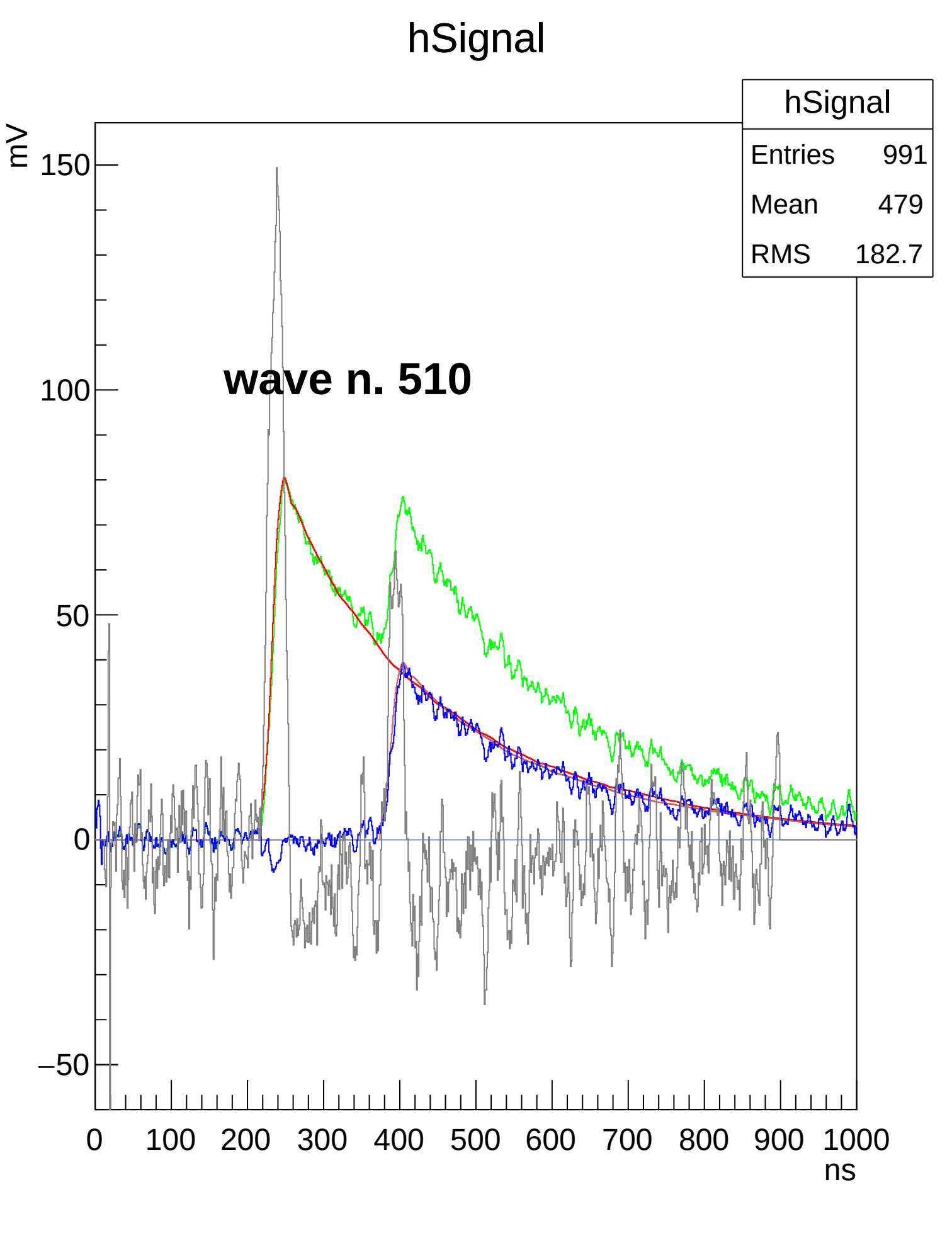

hSignal
hSignal
Entries 991
Mean 581.1
RMS 152.1
wave n. 505
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

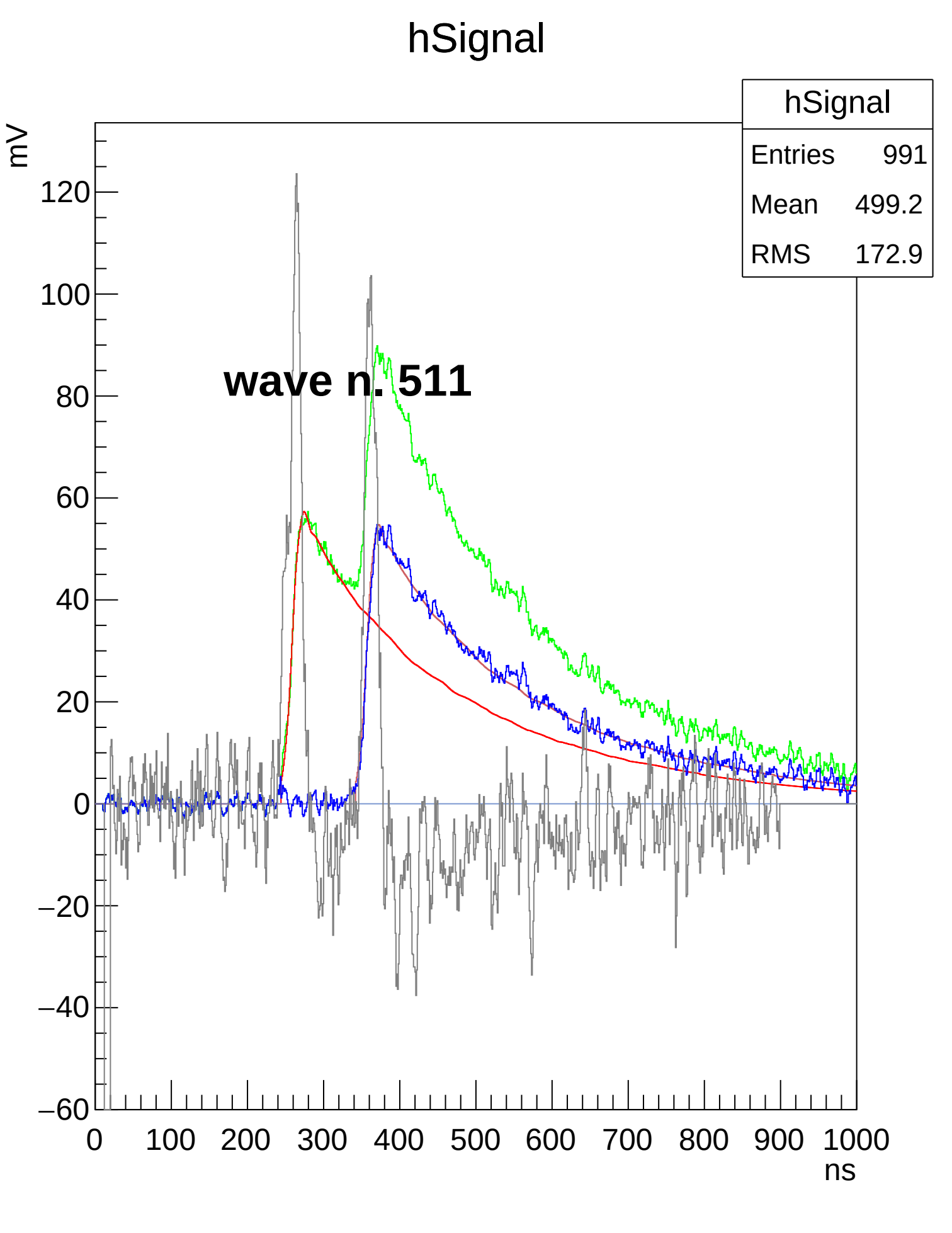

hSignal
hSignal
Entries 991
Mean 596.6
RMS 159.8
wave n. 506
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

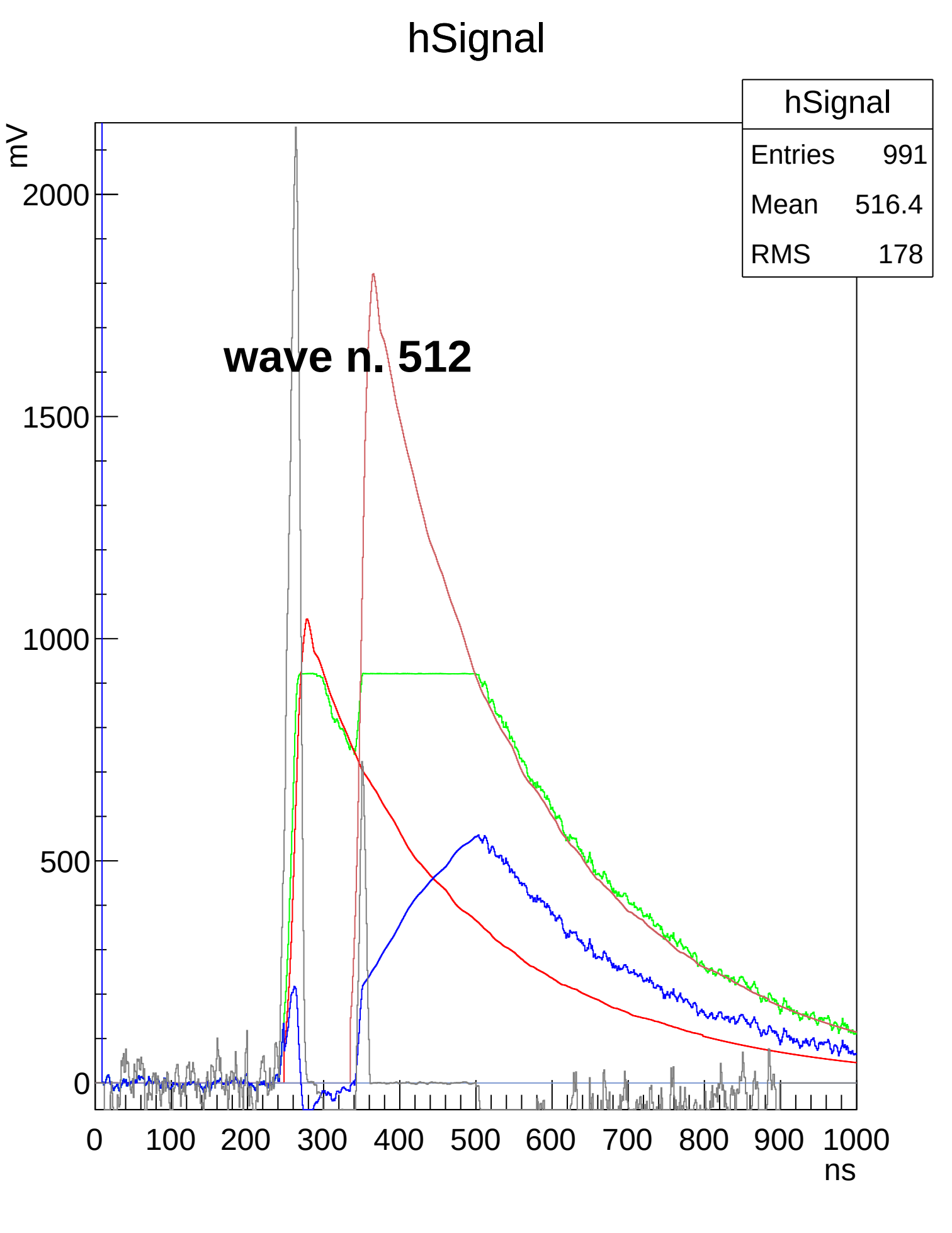

hSignal
hSignal
Entries 991
Mean 542.7
RMS 174.4
wave n. 507
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

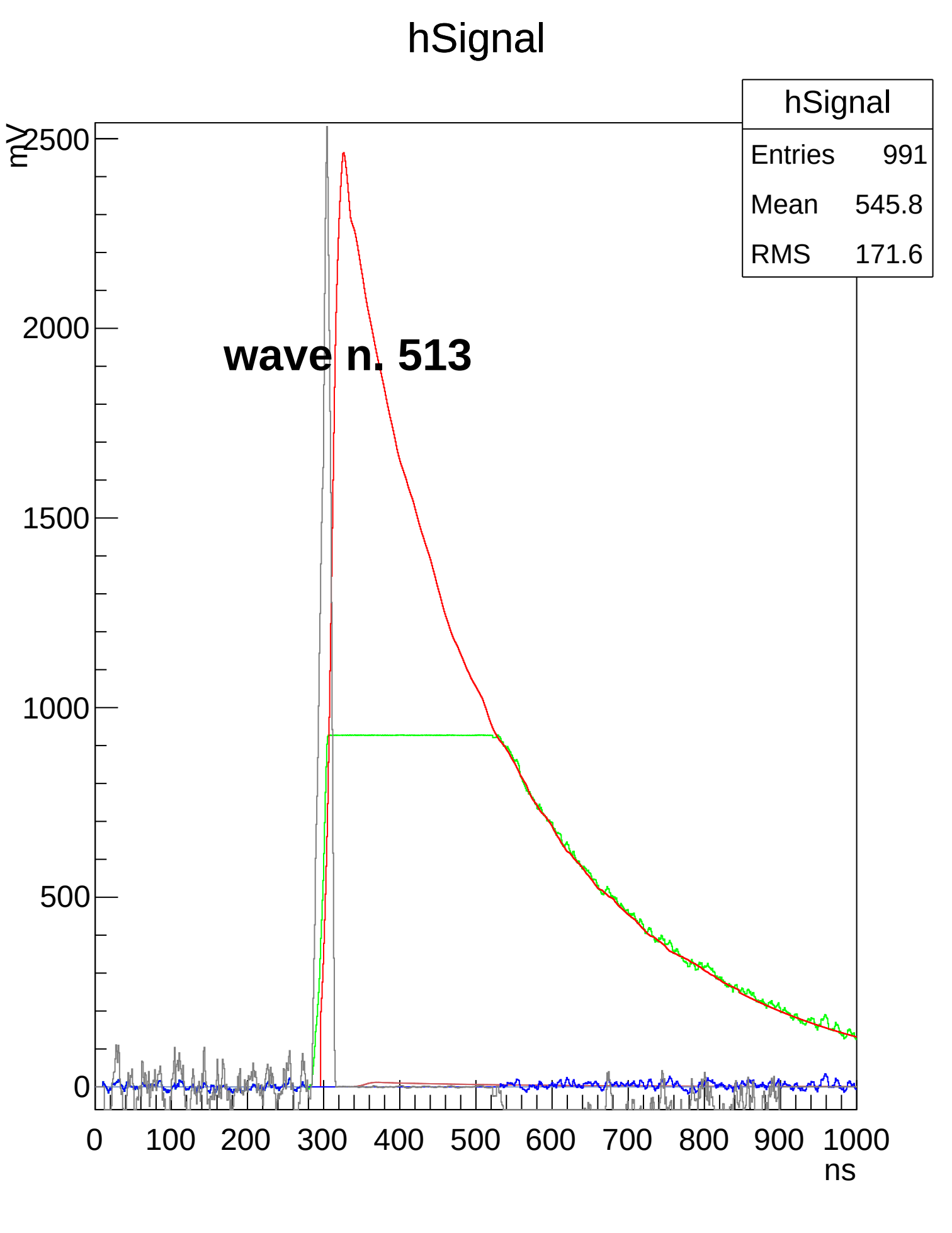

hSignal
hSignal
Entries 991
Mean 549.4
RMS 164.4
wave n. 508
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

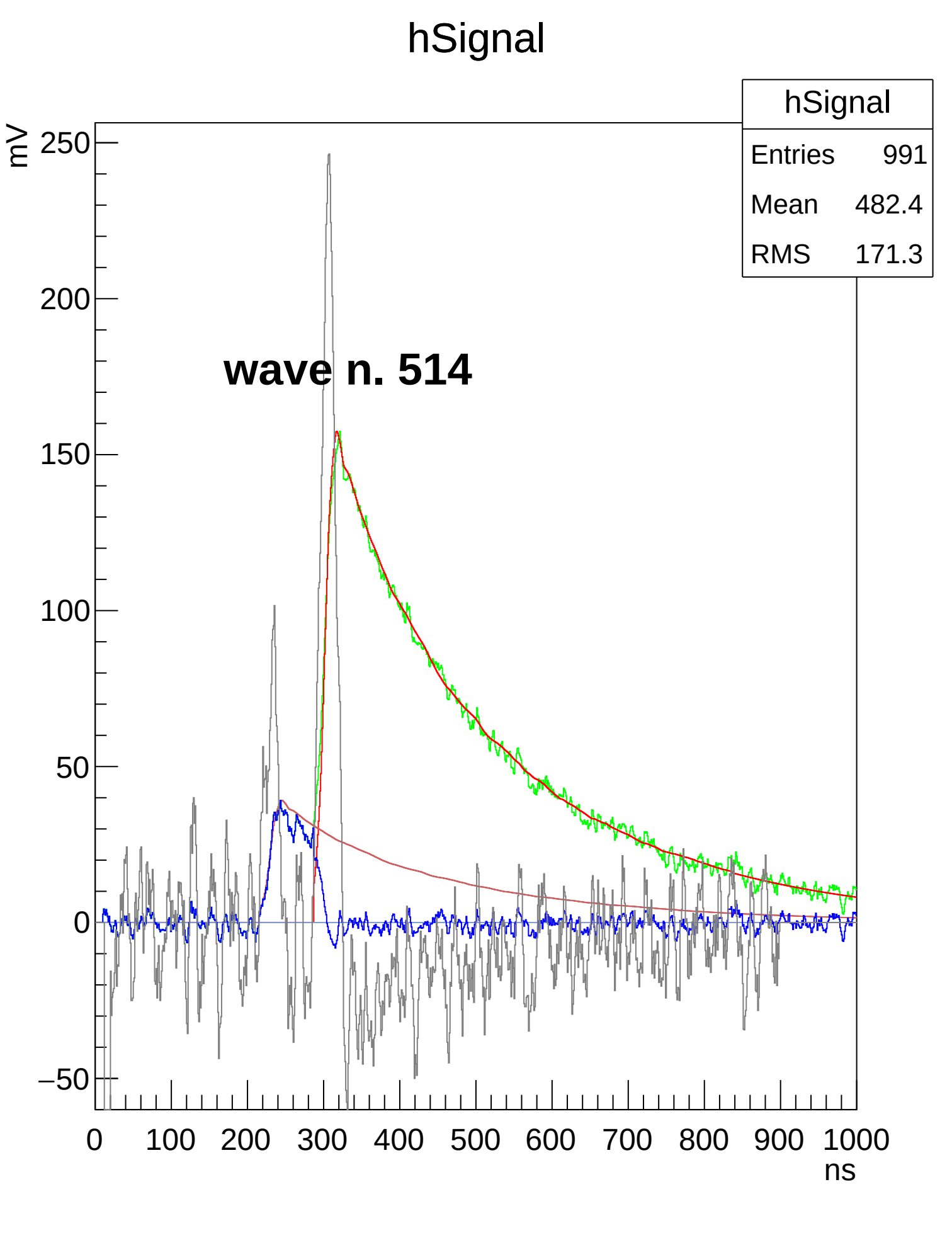

hSignal
hSignal
Entries 991
Mean 513.4
RMS 184.4
wave n. 509
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

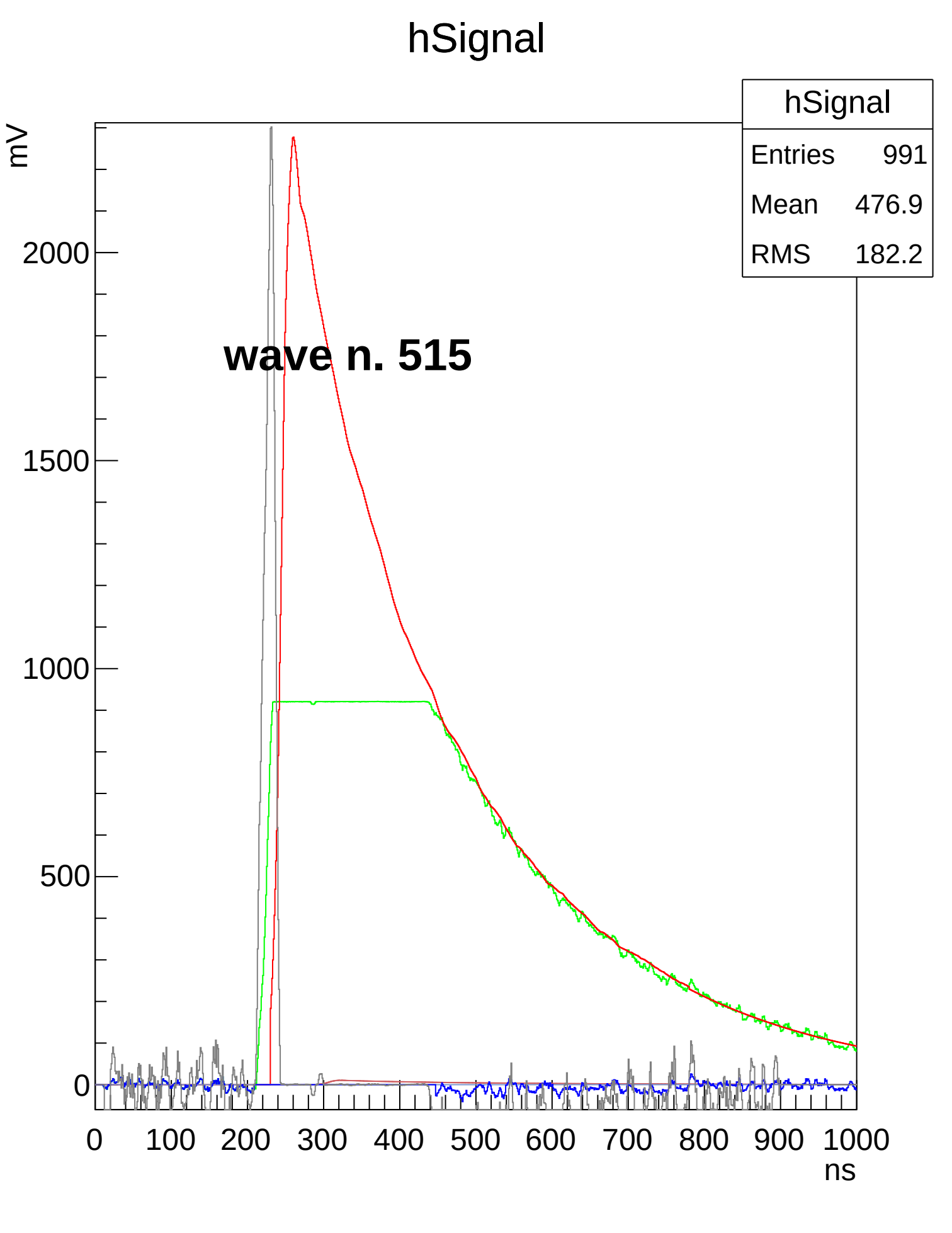

hSignal
hSignal
Entries 991
Mean 479
RMS 182.7
wave n. 510
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

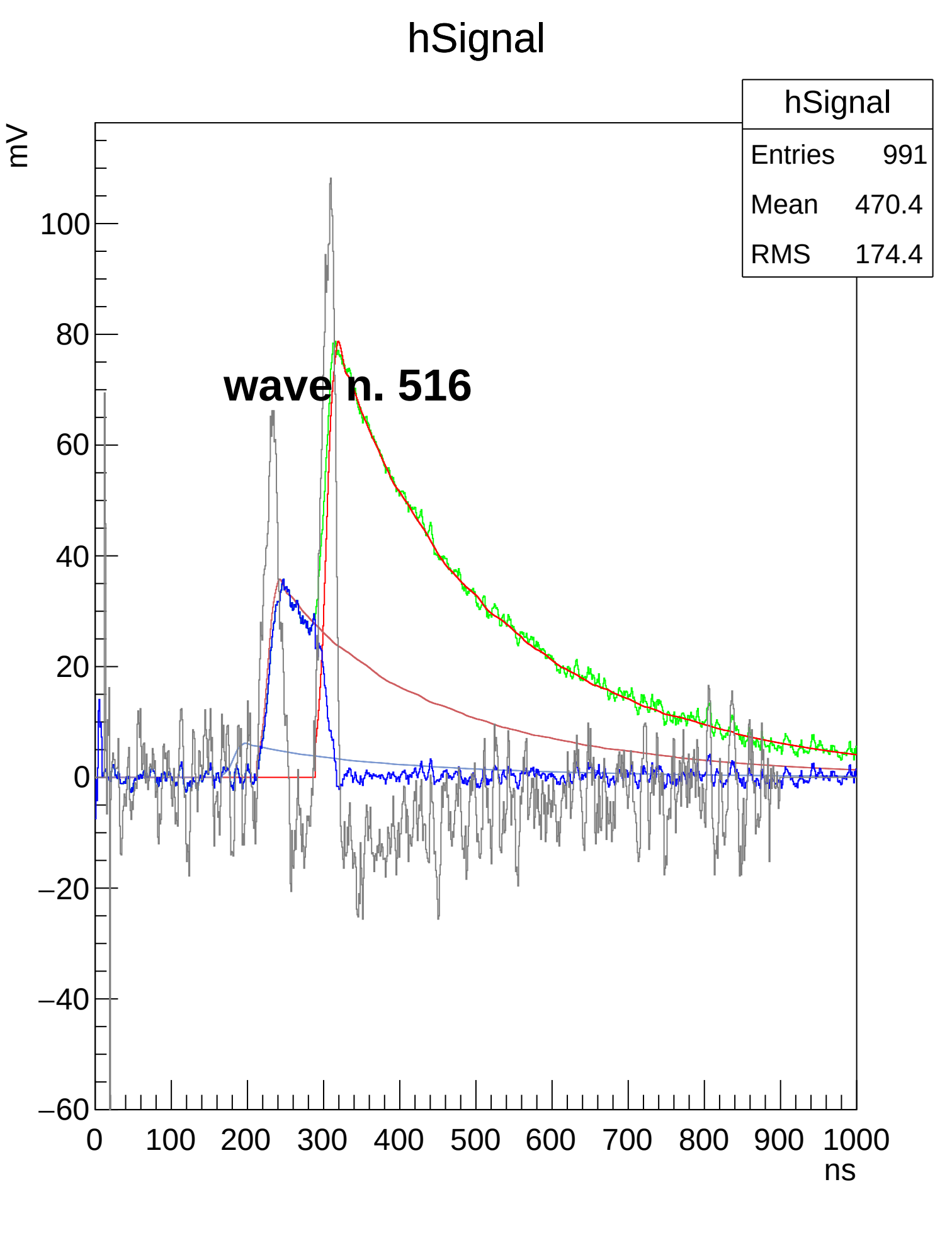

hSignal
hSignal
Entries 991
Mean 499.2
RMS 172.9
wave n. 511
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

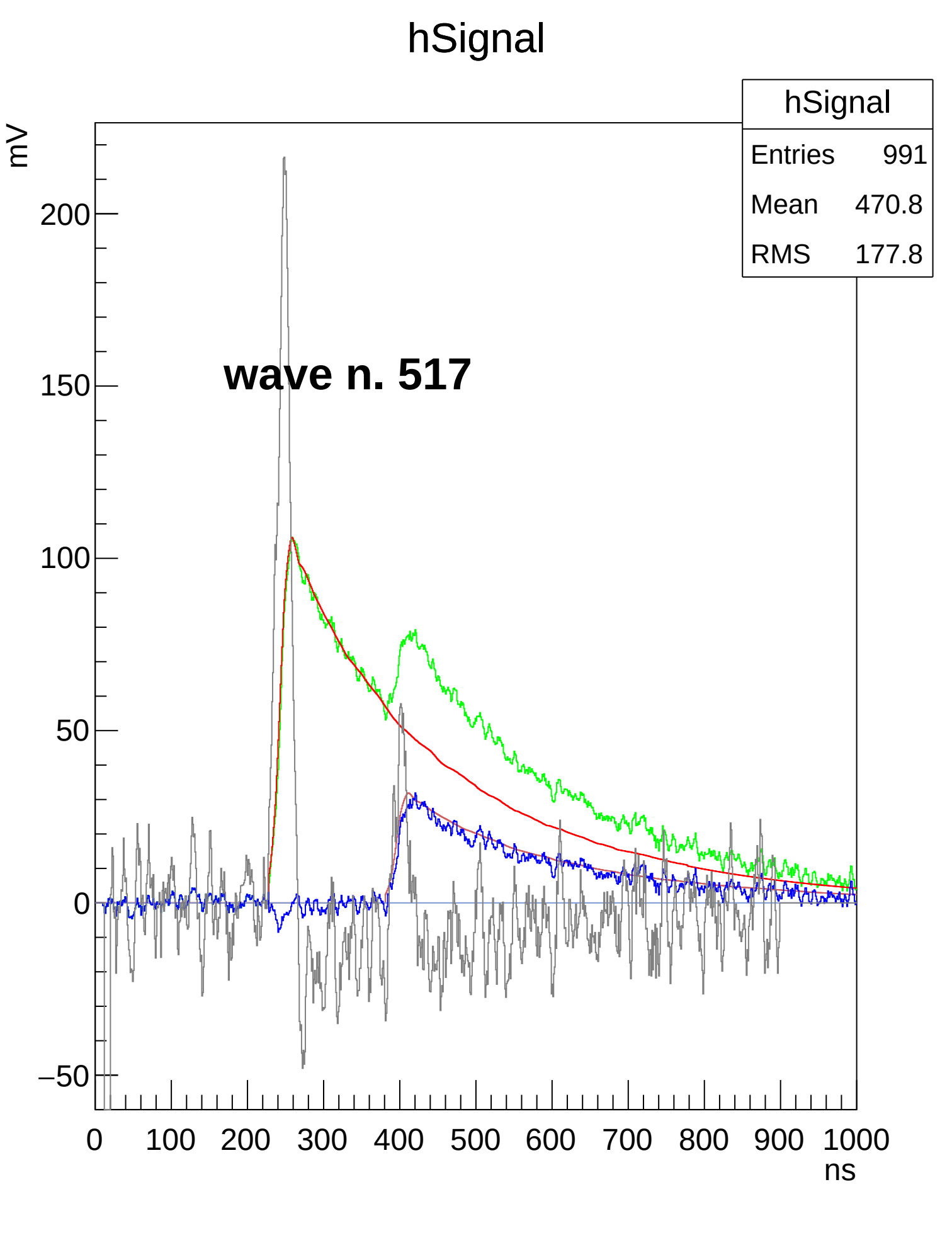

hSignal
hSignal
Entries 991
Mean 516.4
RMS 178
wave n. 512
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

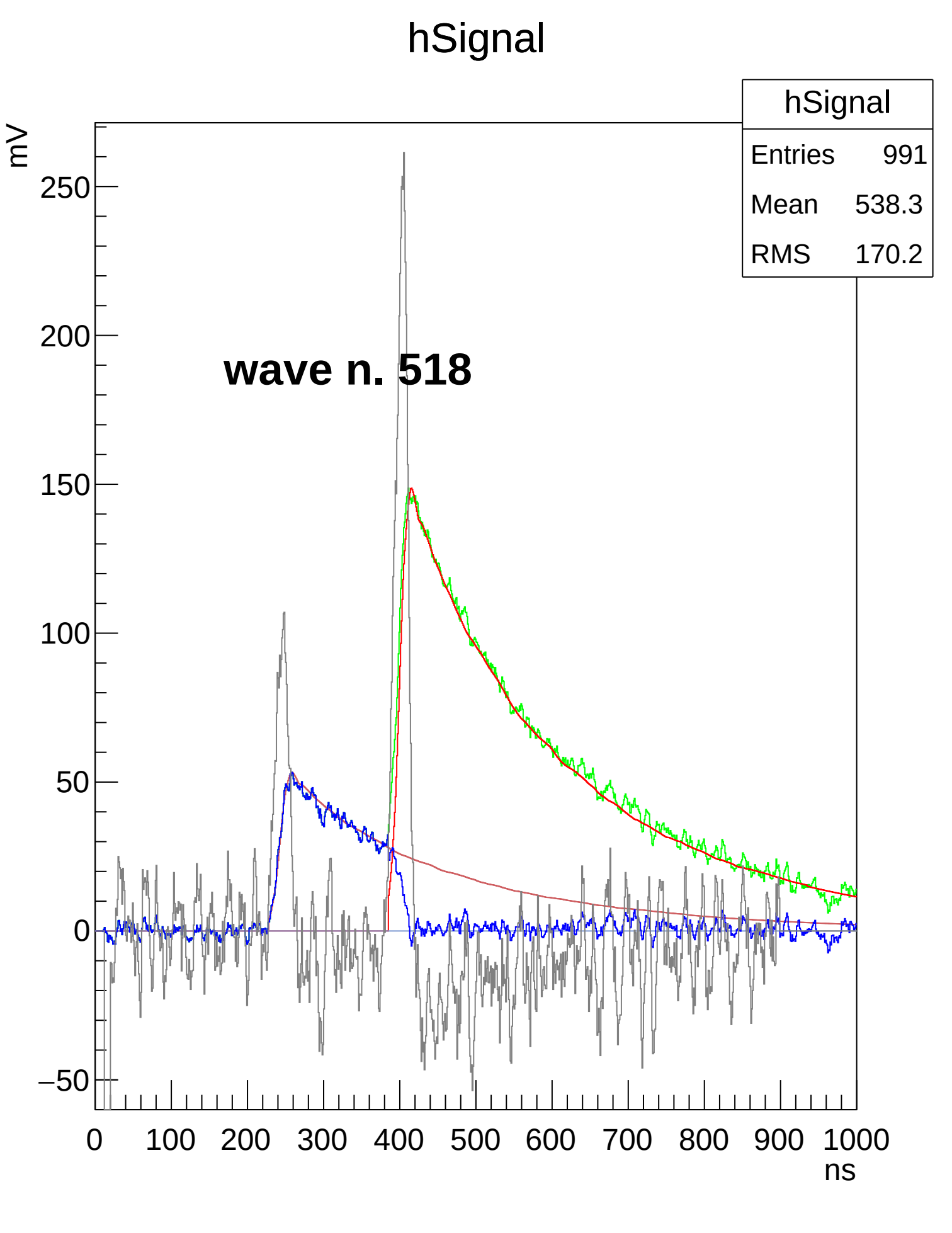

hSignal
hSignal
Entries 991
Mean 545.8
RMS 171.6
wave n. 513
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

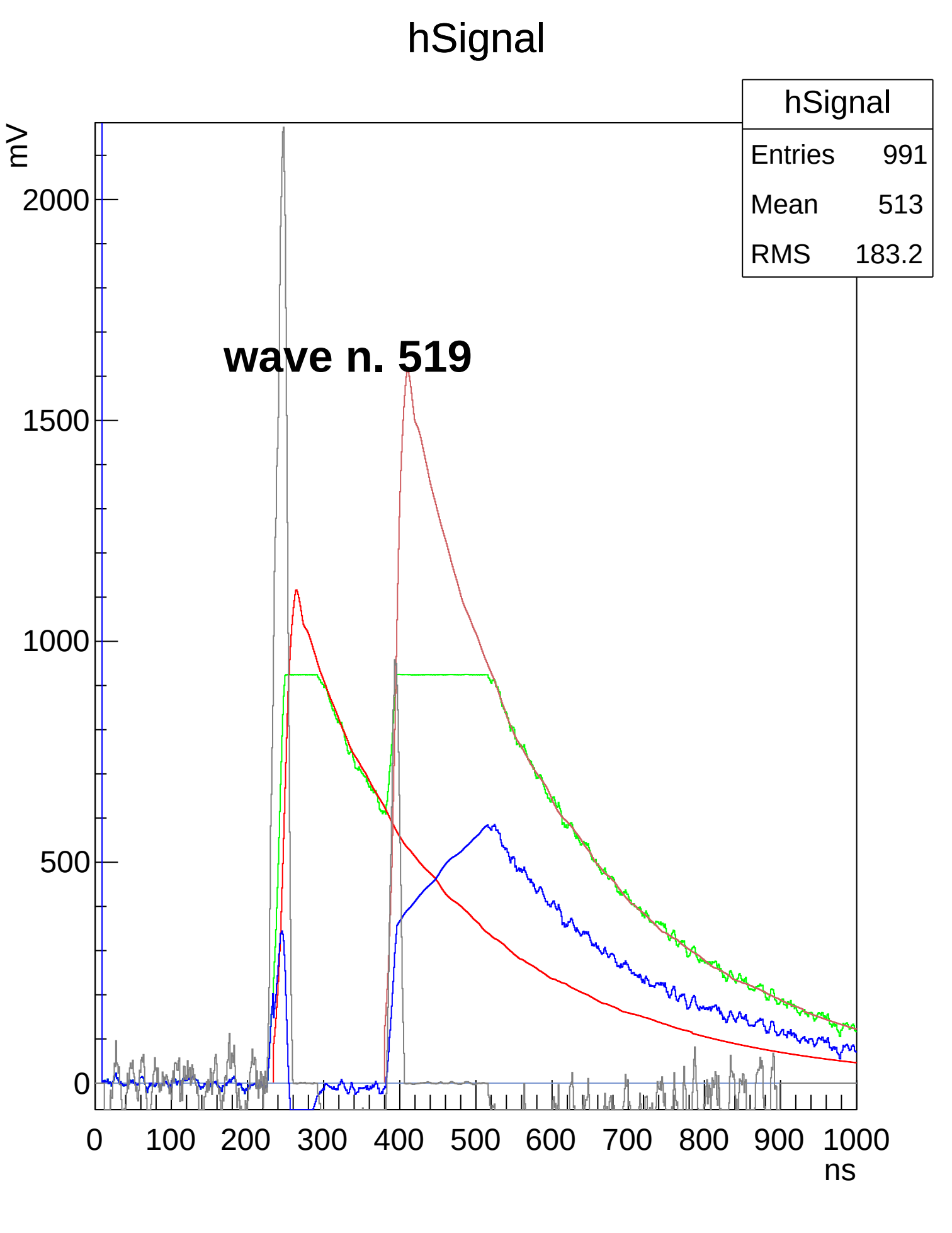

hSignal
hSignal
Entries 991
Mean 482.4
RMS 171.3
wave n. 514
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

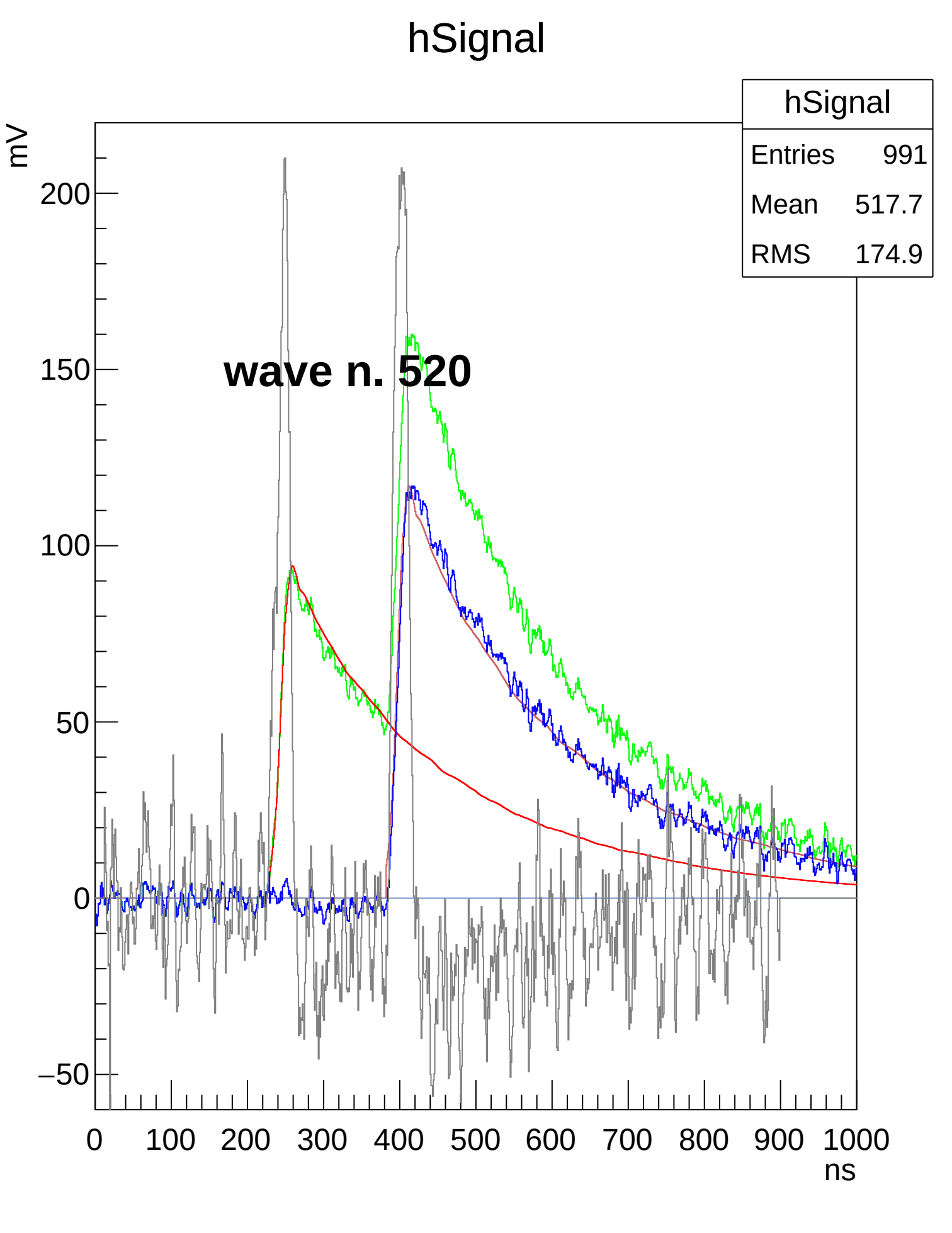

hSignal
hSignal
Entries 991
Mean 476.9
RMS 182.2
wave n. 515
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

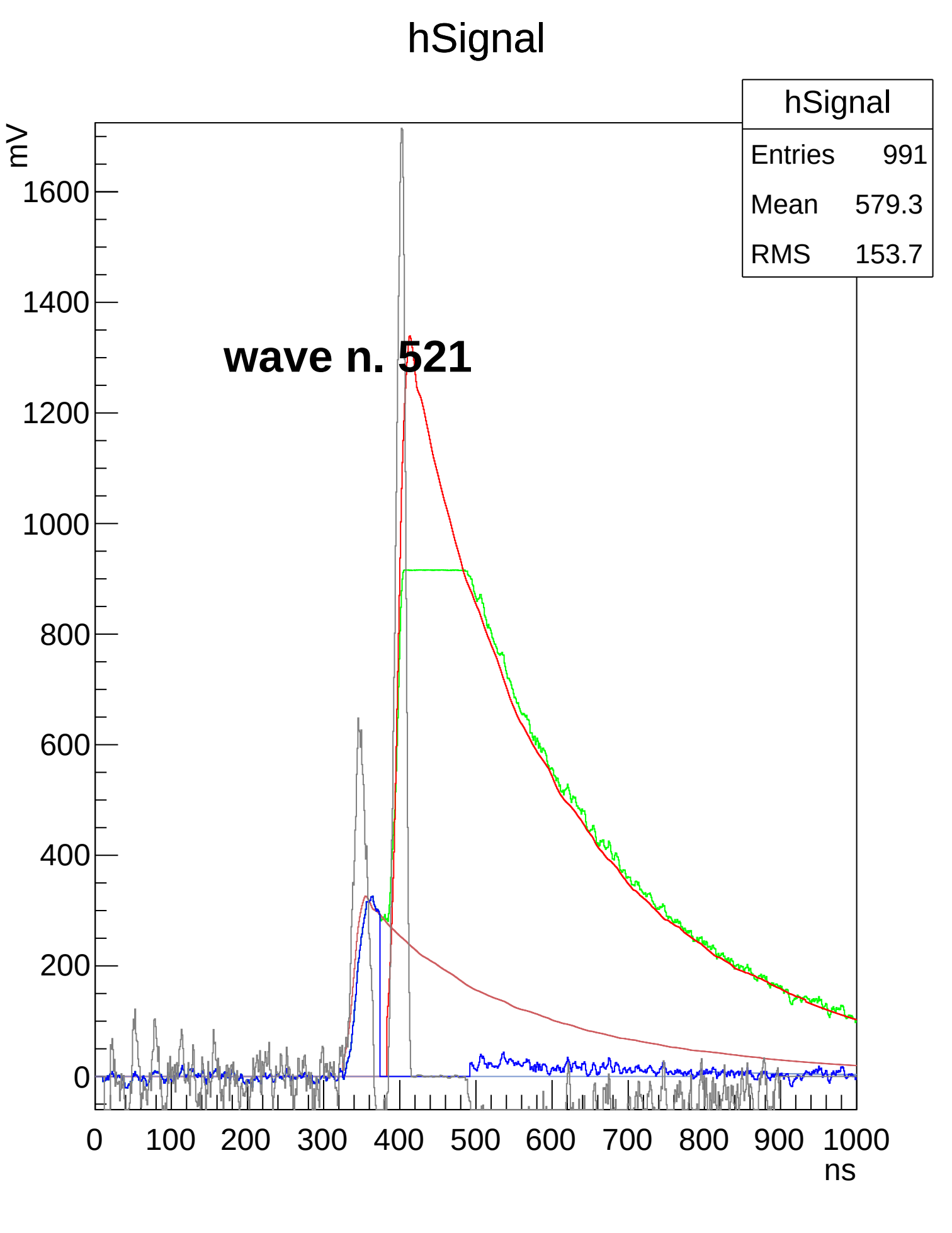

hSignal
hSignal
Entries 991
Mean 470.4
RMS 174.4
wave n. 516
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

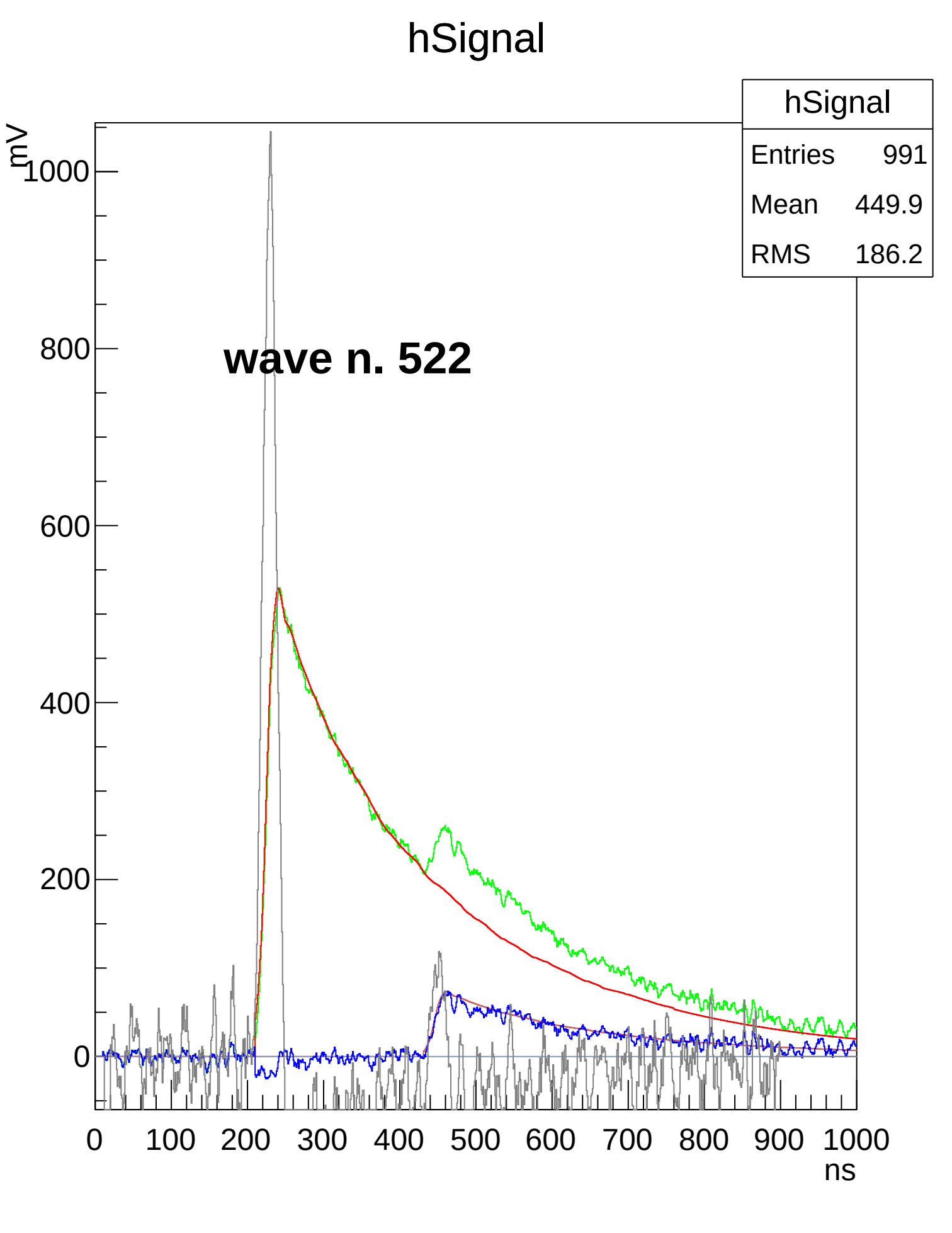

hSignal
hSignal
Entries 991
Mean 470.8
RMS 177.8
wave n. 517
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

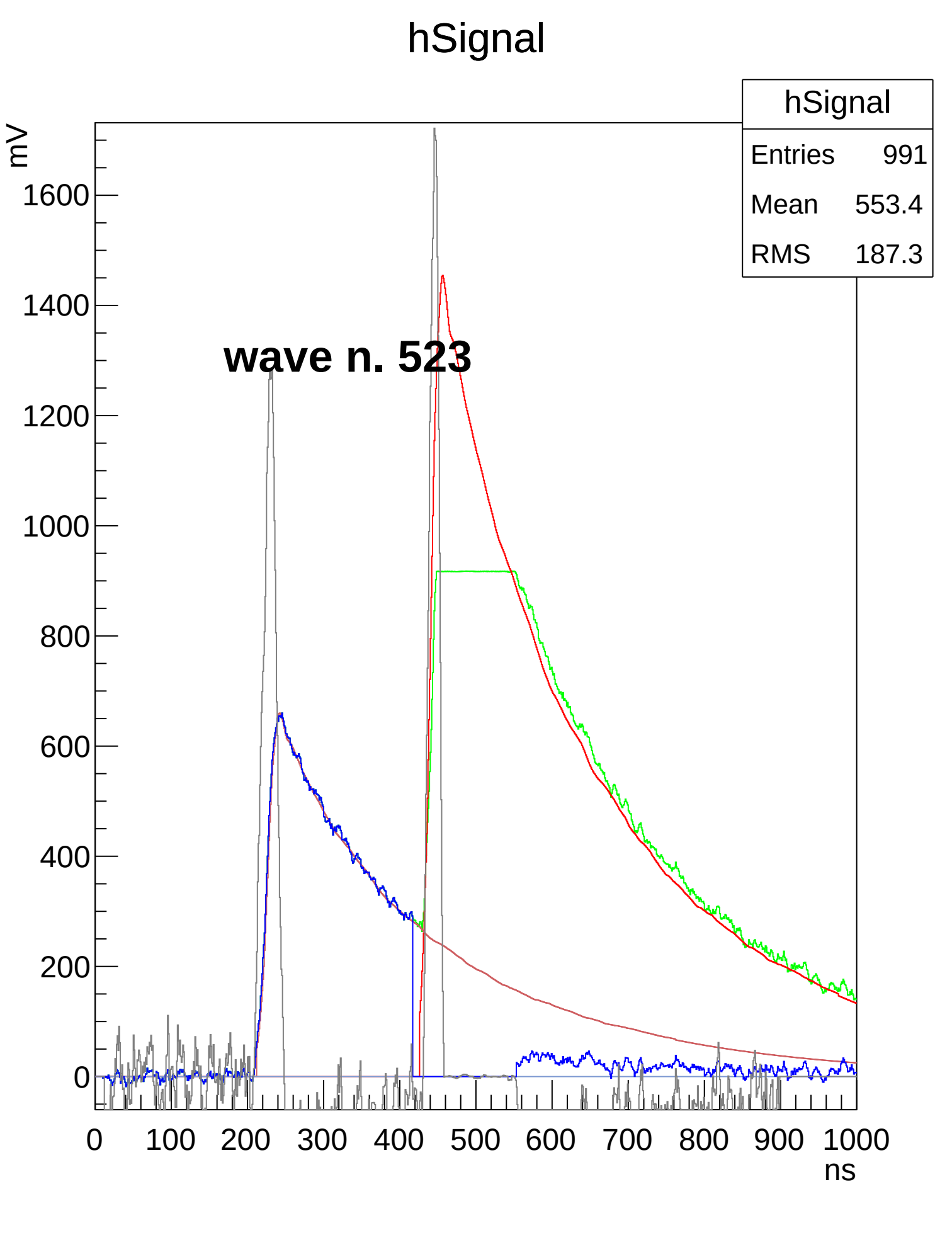

hSignal
hSignal
Entries 991
Mean 538.3
RMS 170.2
wave n. 518
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

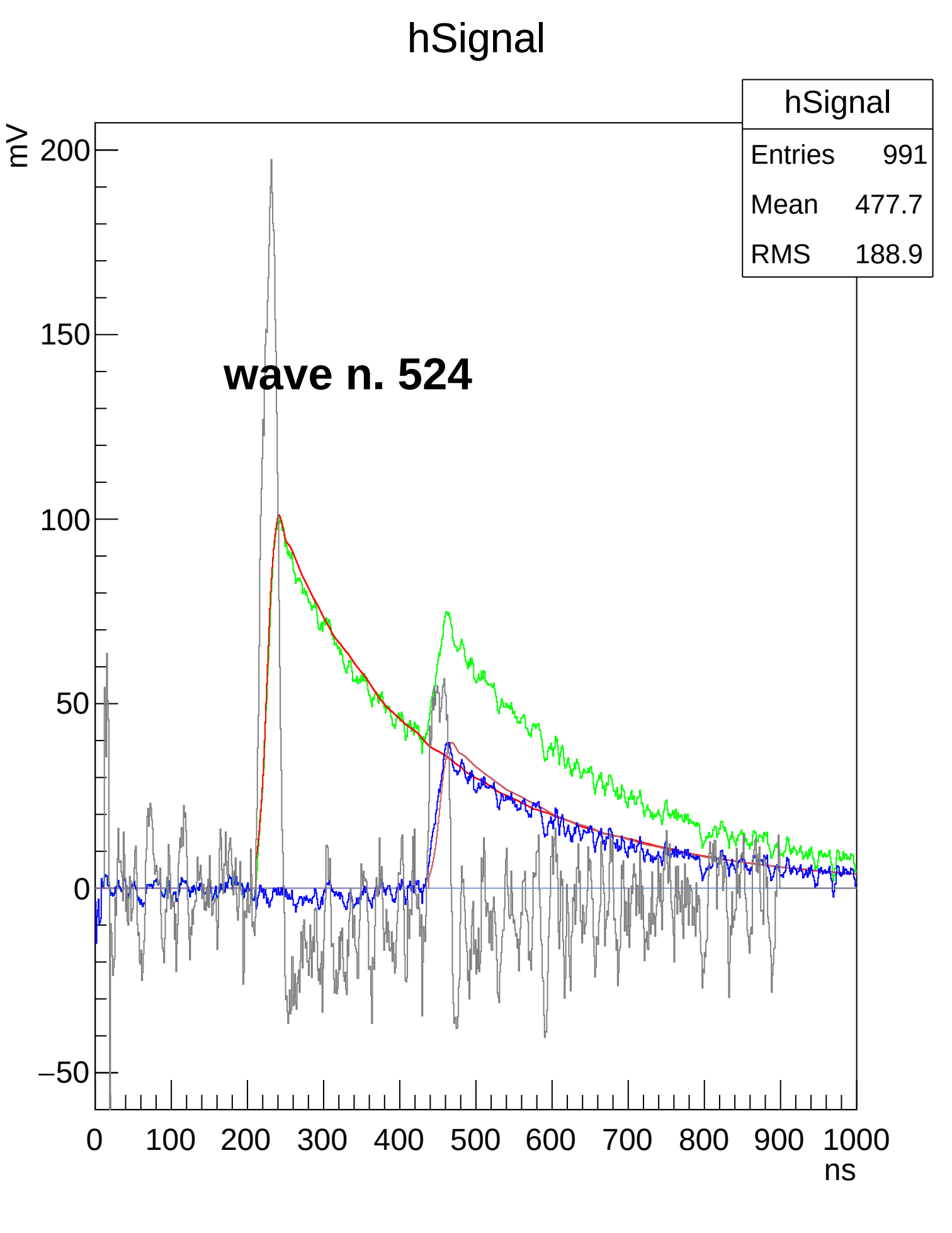

hSignal
hSignal
Entries 991
Mean 513
RMS 183.2
wave n. 519
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

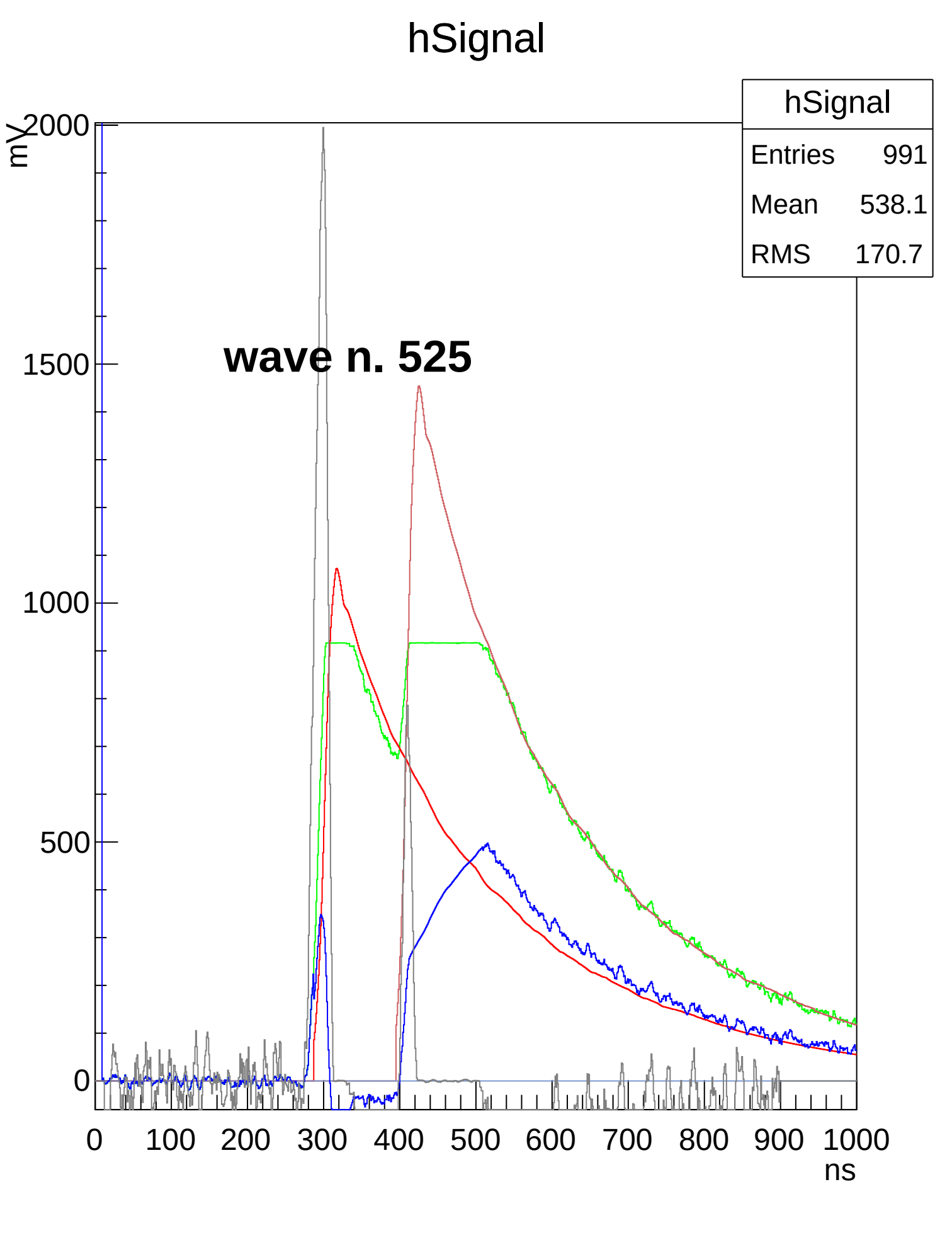

hSignal
hSignal
Entries 991
Mean 517.7
RMS 174.9
wave n. 520
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

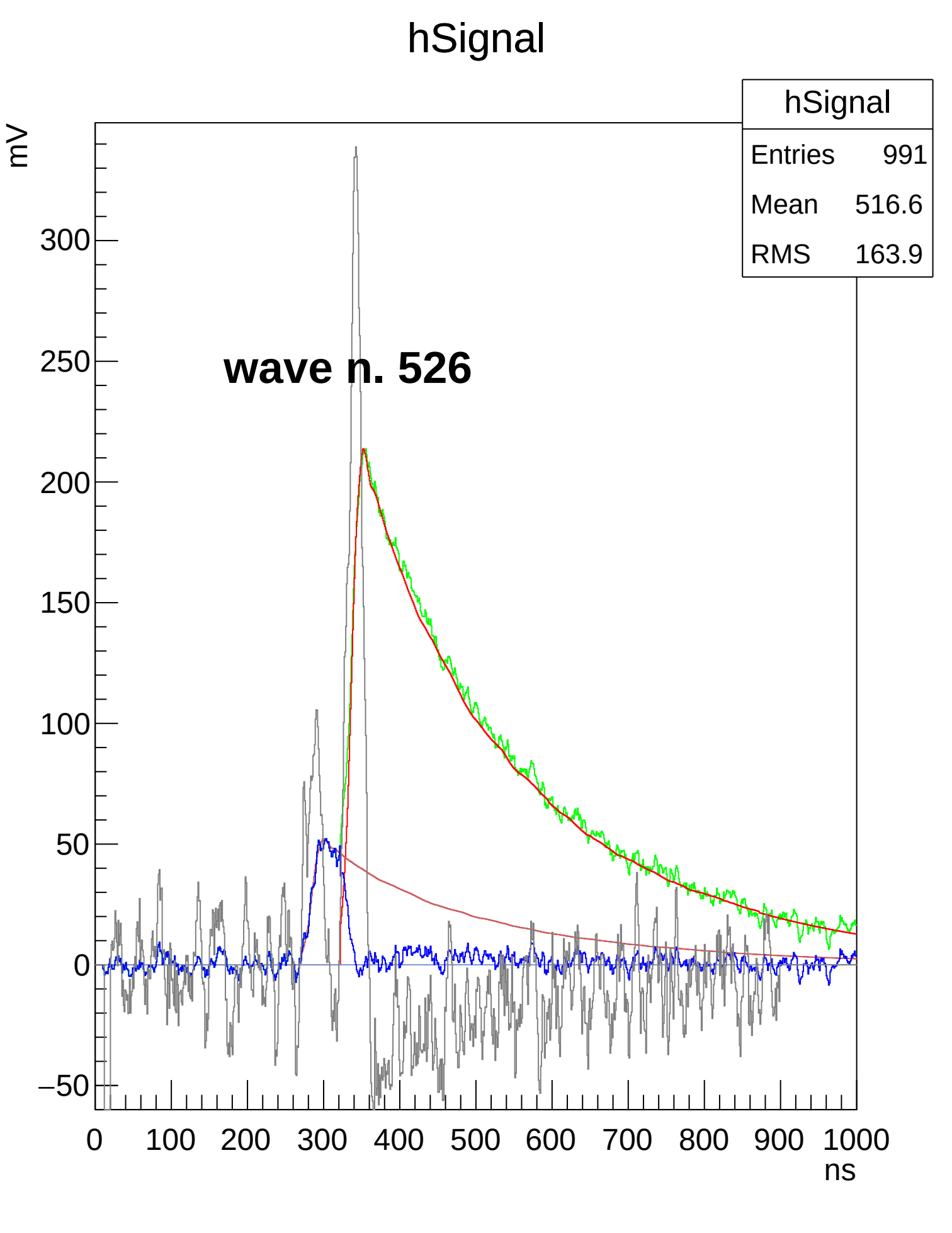

hSignal
hSignal
Entries 991
Mean 579.3
RMS 153.7
wave n. 521
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

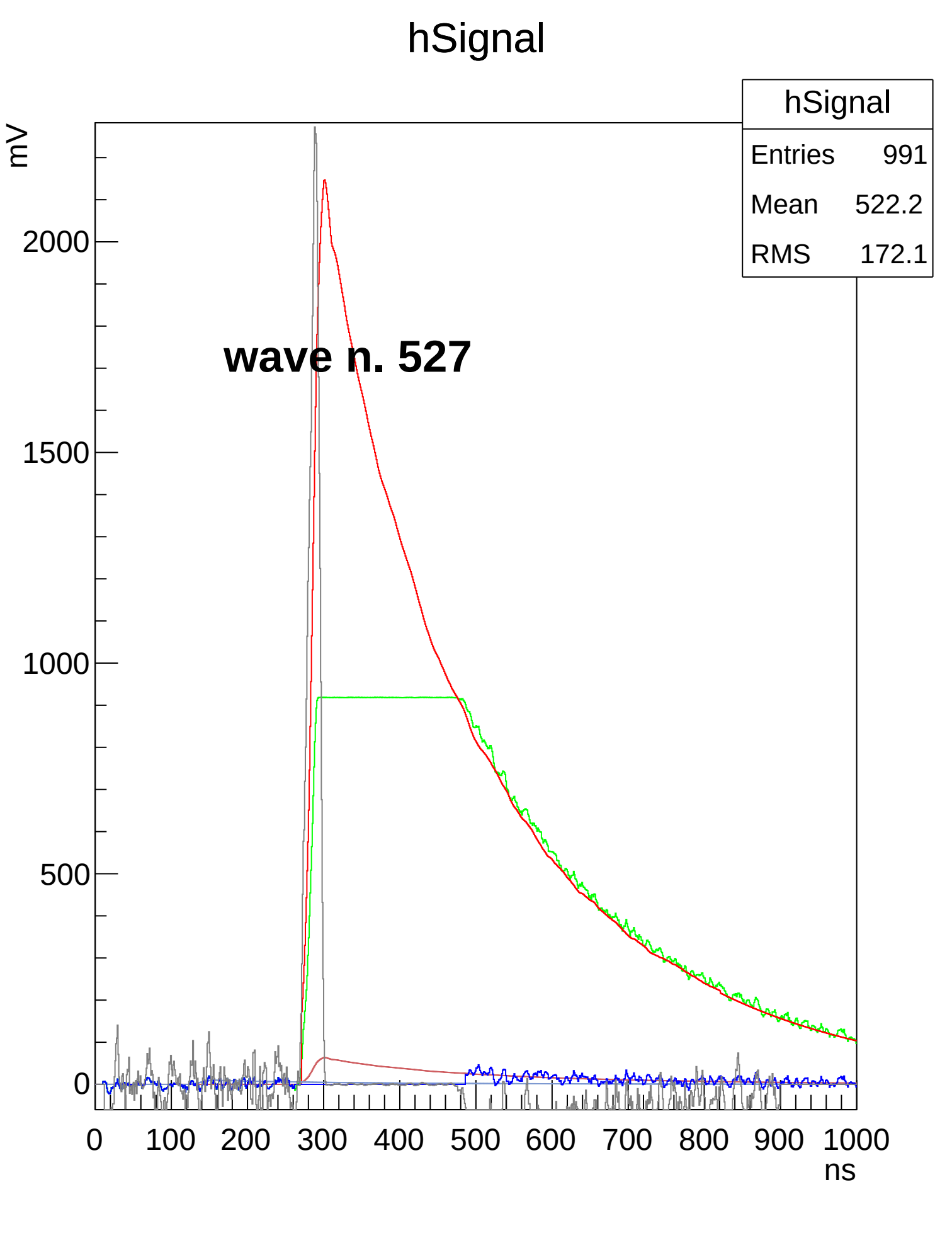

hSignal
hSignal
Entries 991
Mean 449.9
RMS 186.2
wave n. 522
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

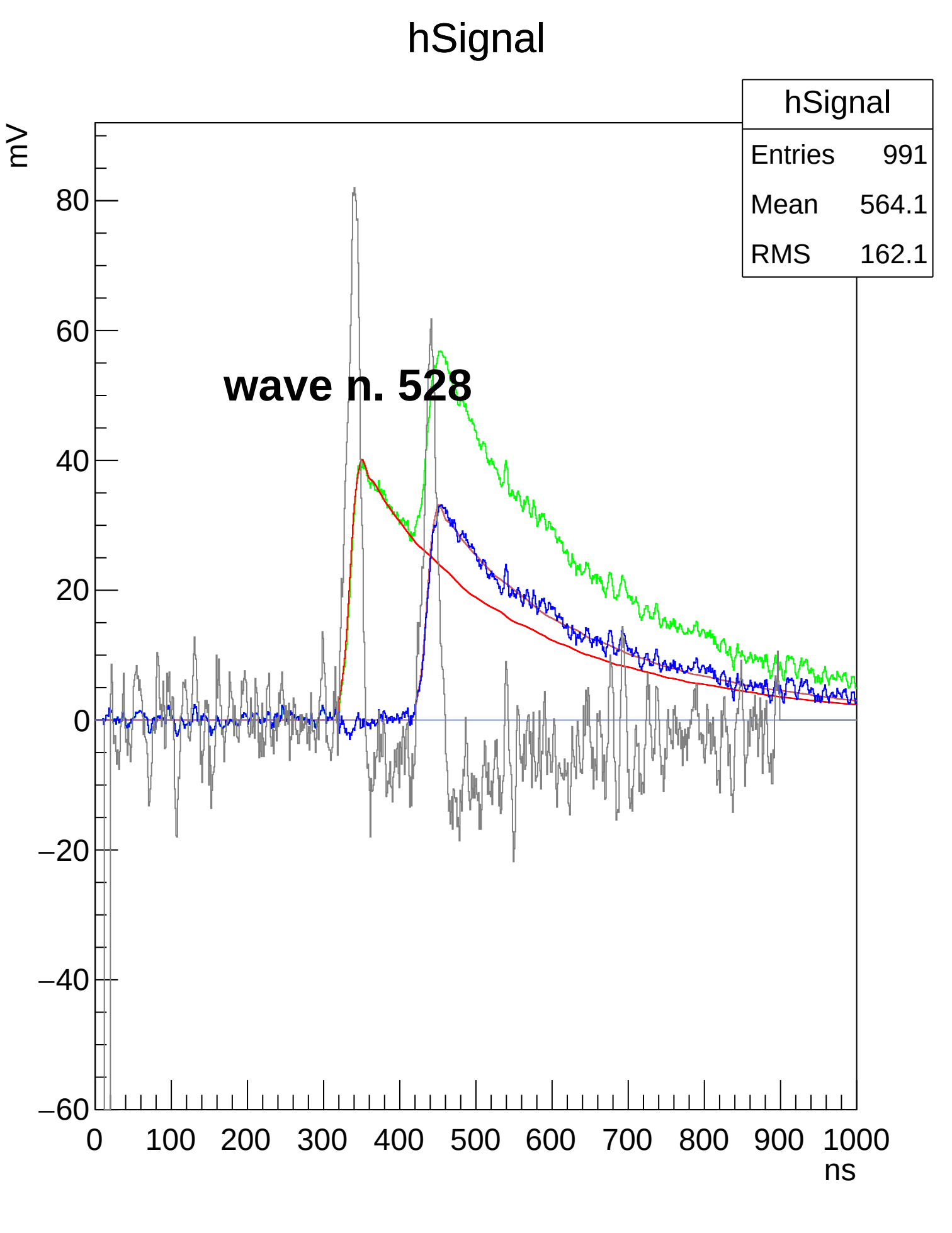

hSignal
hSignal
Entries 991
Mean 553.4
RMS 187.3
wave n. 523
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

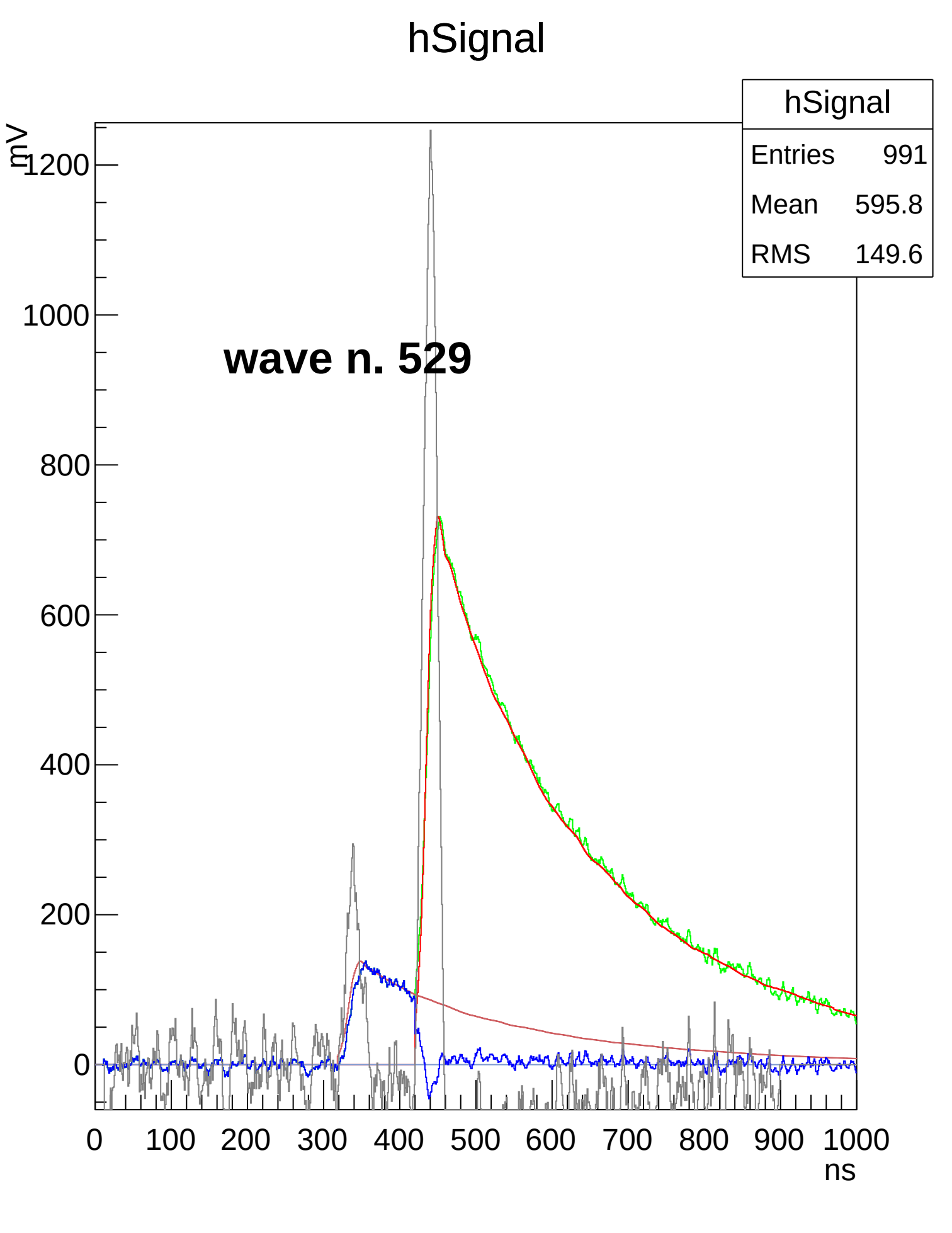

hSignal
hSignal
Entries 991
Mean 477.7
RMS 188.9
wave n. 524
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

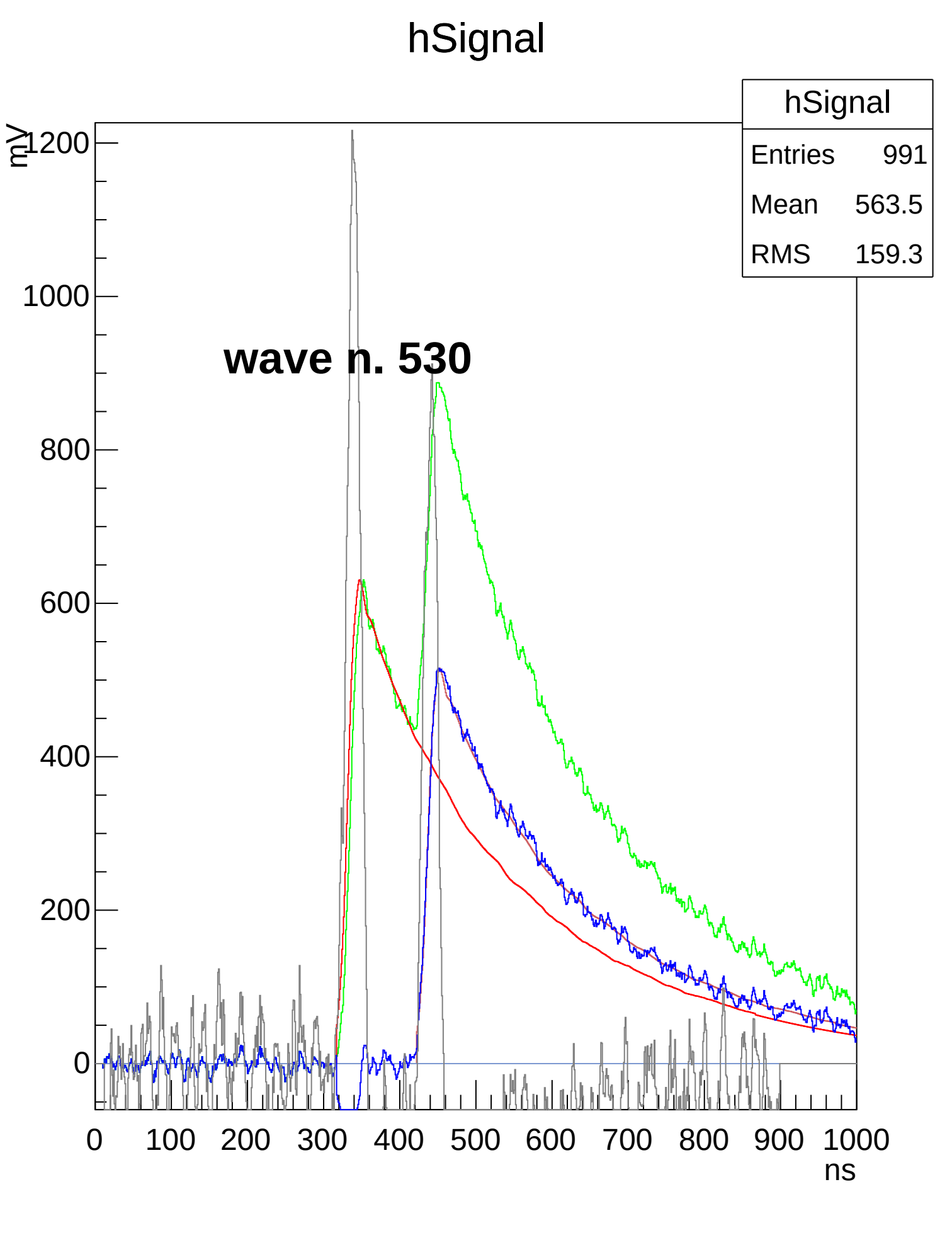

hSignal
hSignal
Entries 991
Mean 538.1
RMS 170.7
wave n. 525
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

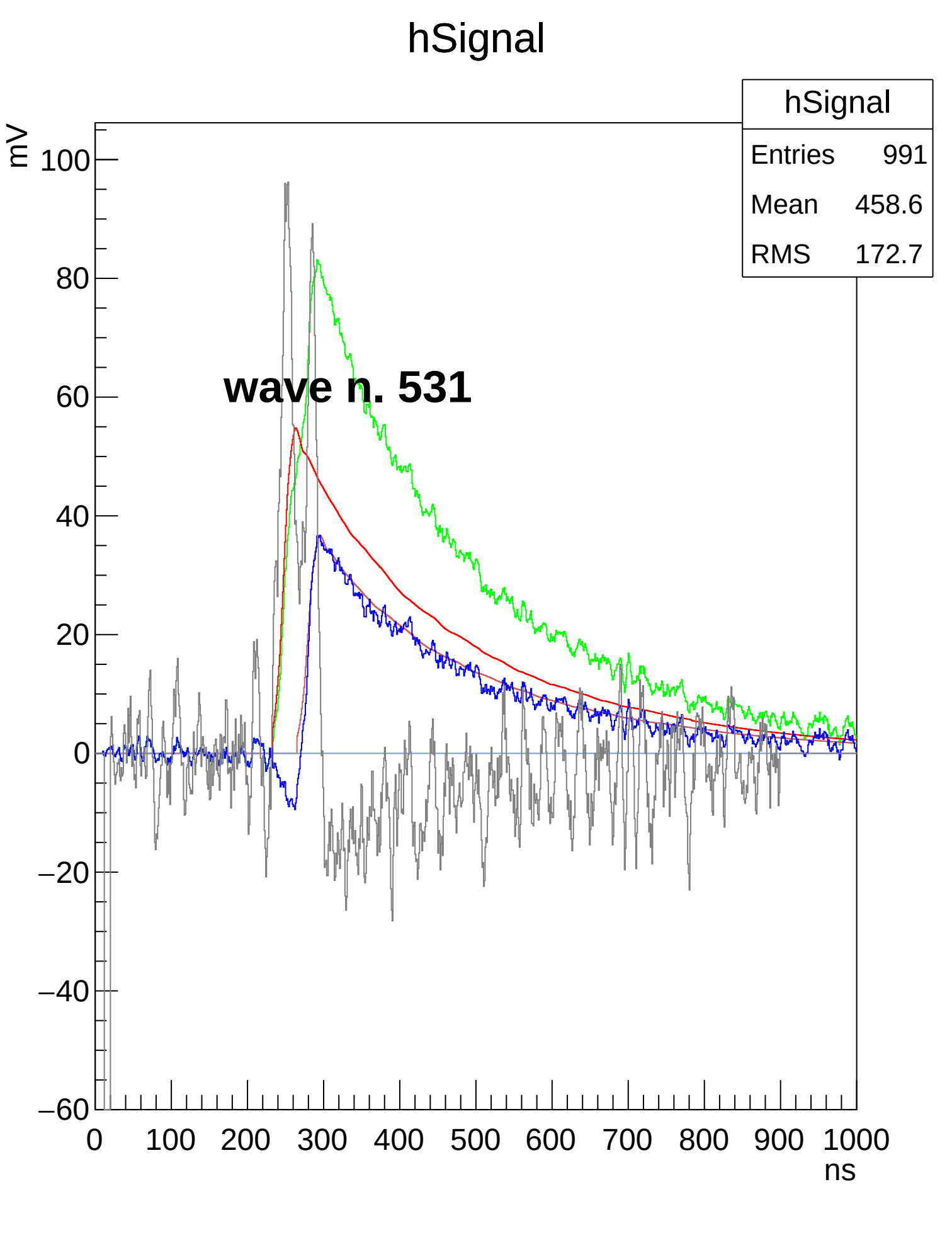

hSignal
hSignal
Entries 991
Mean 516.6
RMS 163.9
wave n. 526
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

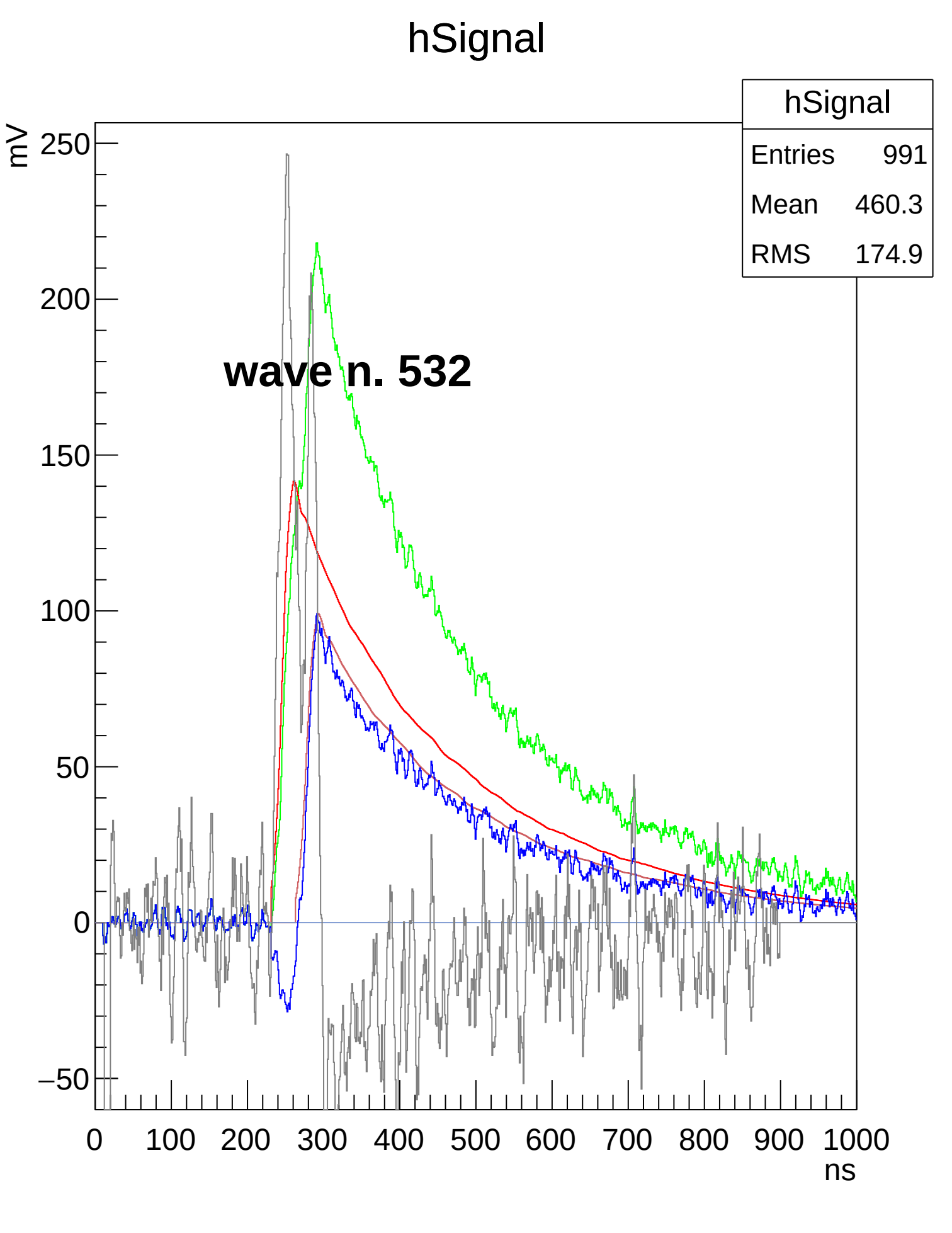

hSignal
hSignal
Entries 991
Mean 522.2
RMS 172.1
wave n. 527
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

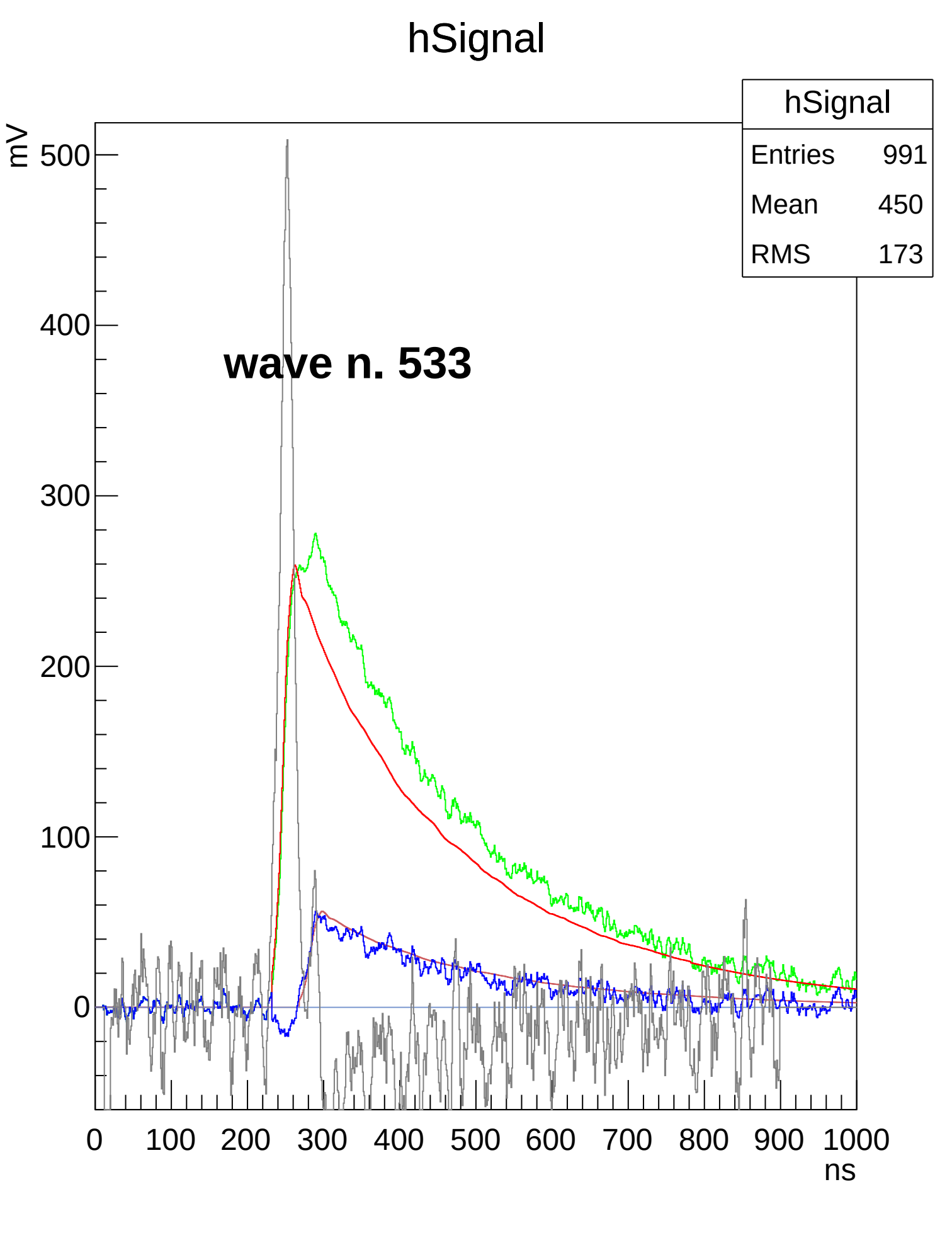

hSignal
hSignal
Entries 991
Mean 564.1
RMS 162.1
wave n. 528
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

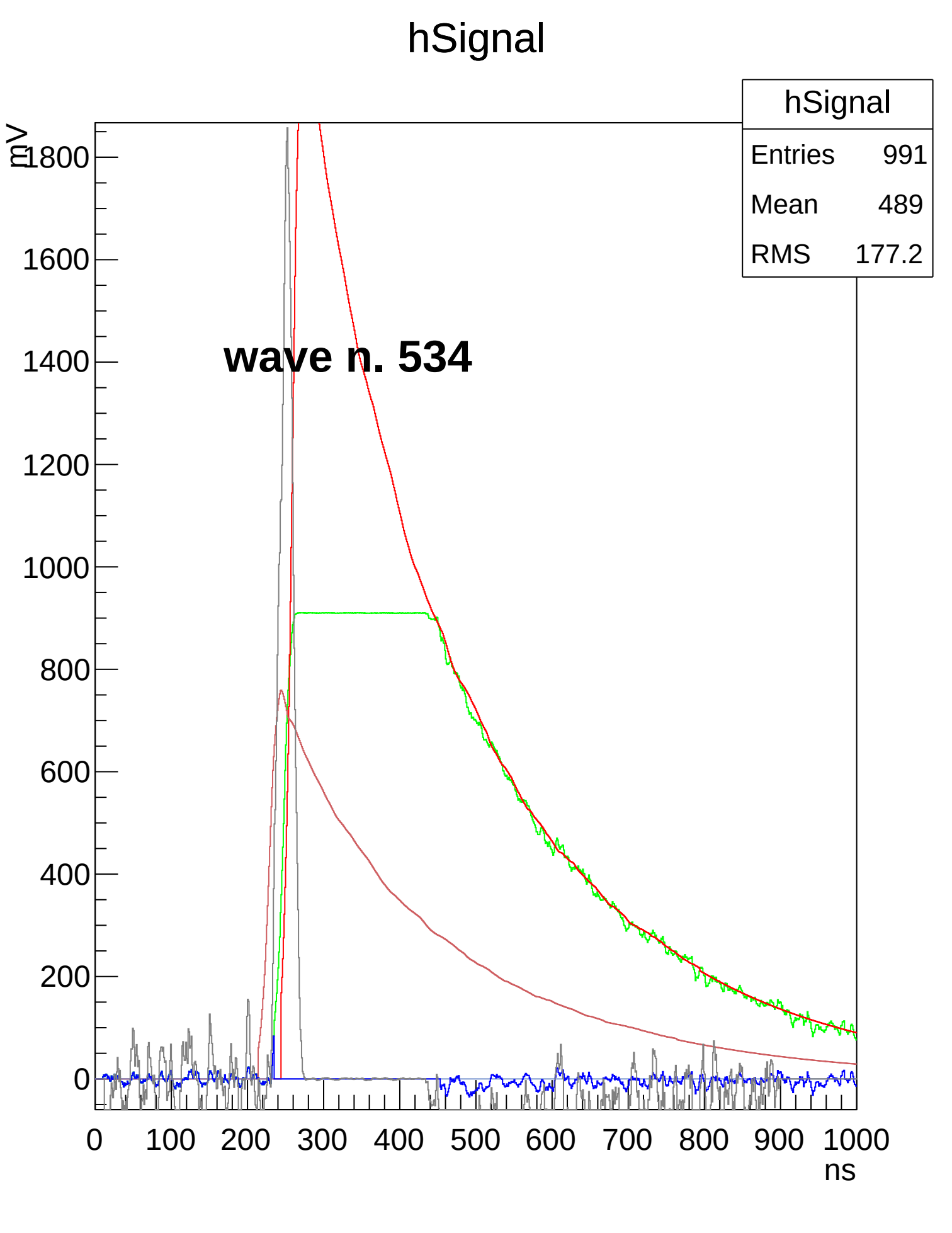

hSignal
hSignal
Entries 991
Mean 595.8
RMS 149.6
wave n. 529
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

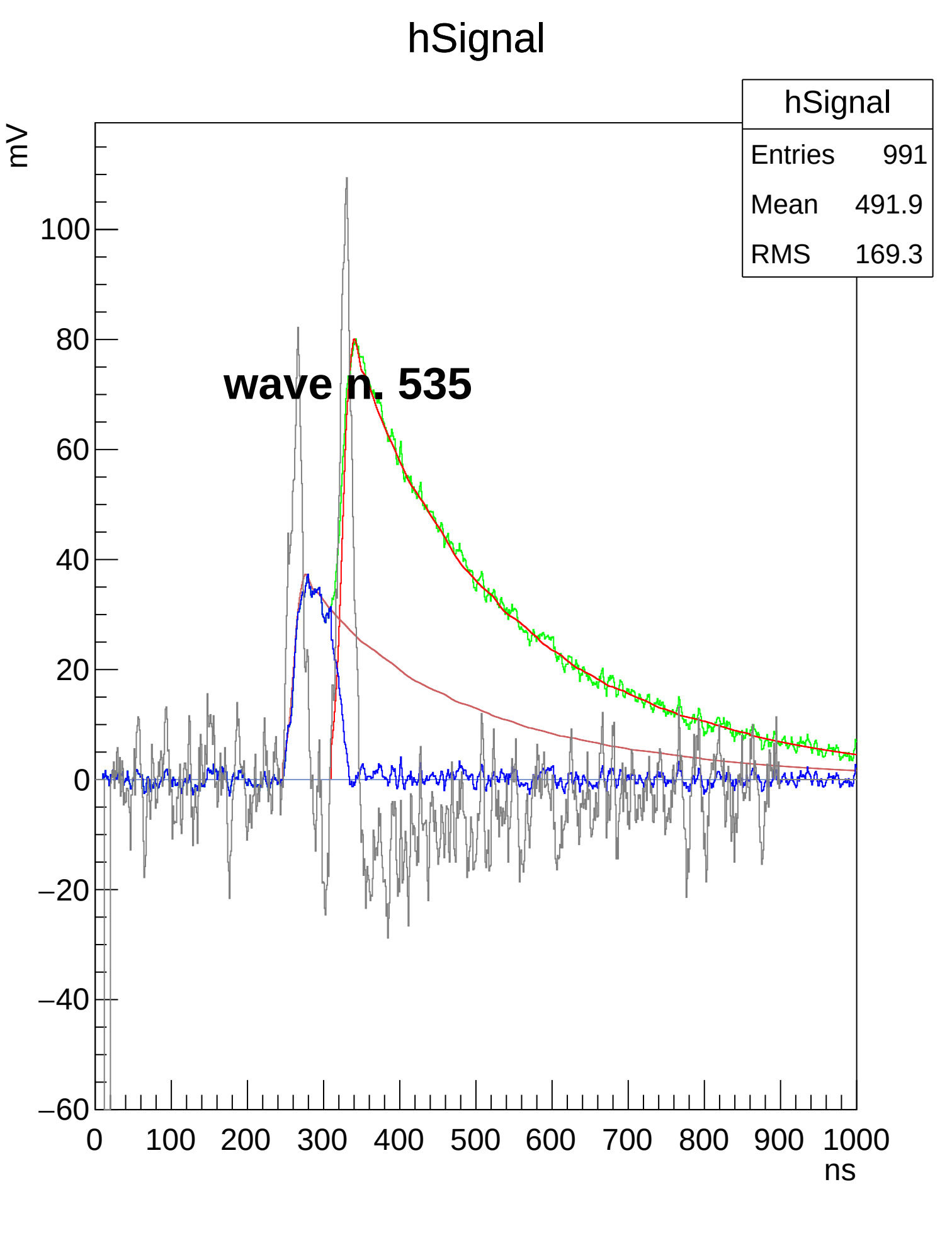

hSignal
hSignal
Entries 991
Mean 563.5
RMS 159.3
wave n. 530
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

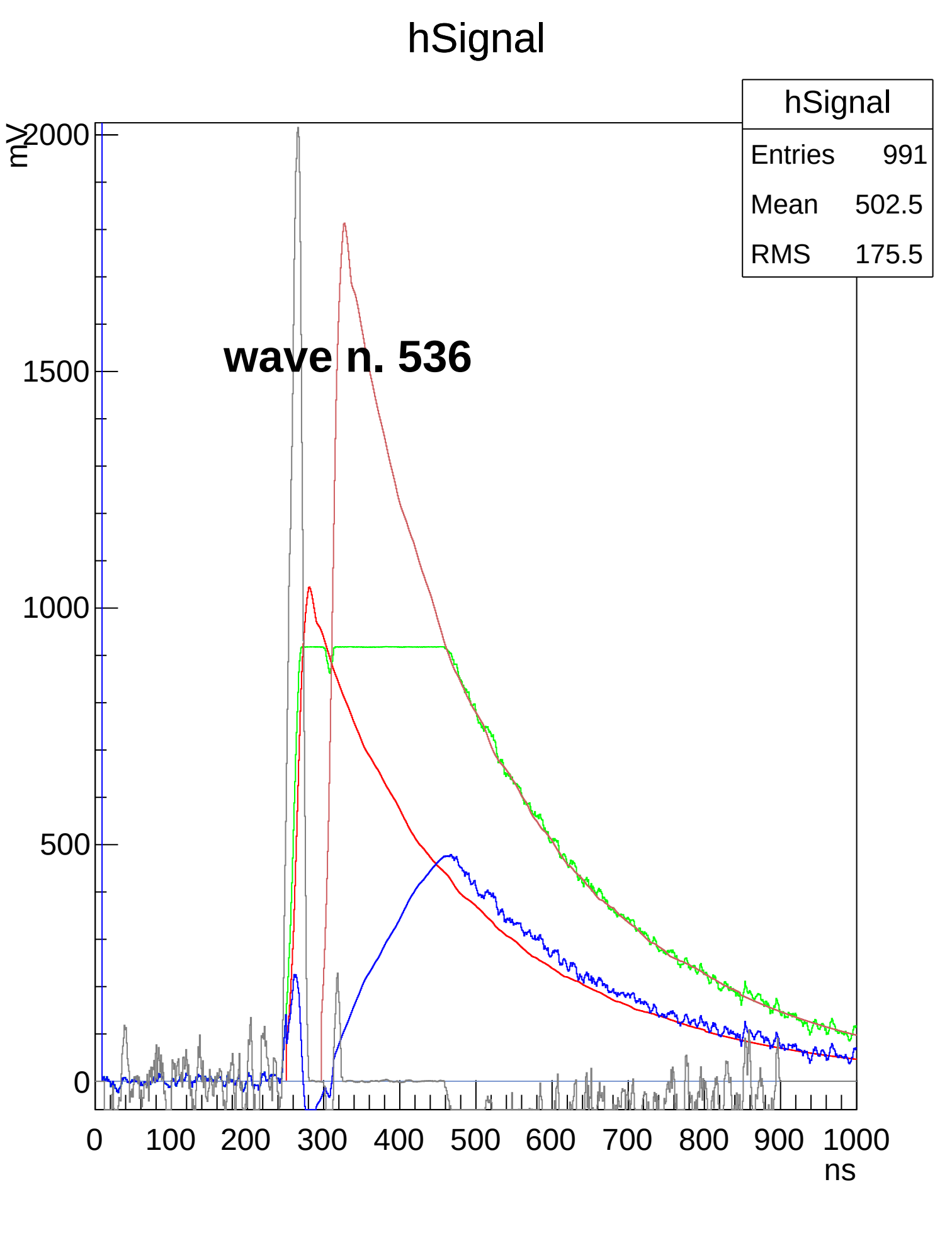

hSignal
hSignal
Entries 991
Mean 458.6
RMS 172.7
wave n. 531
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

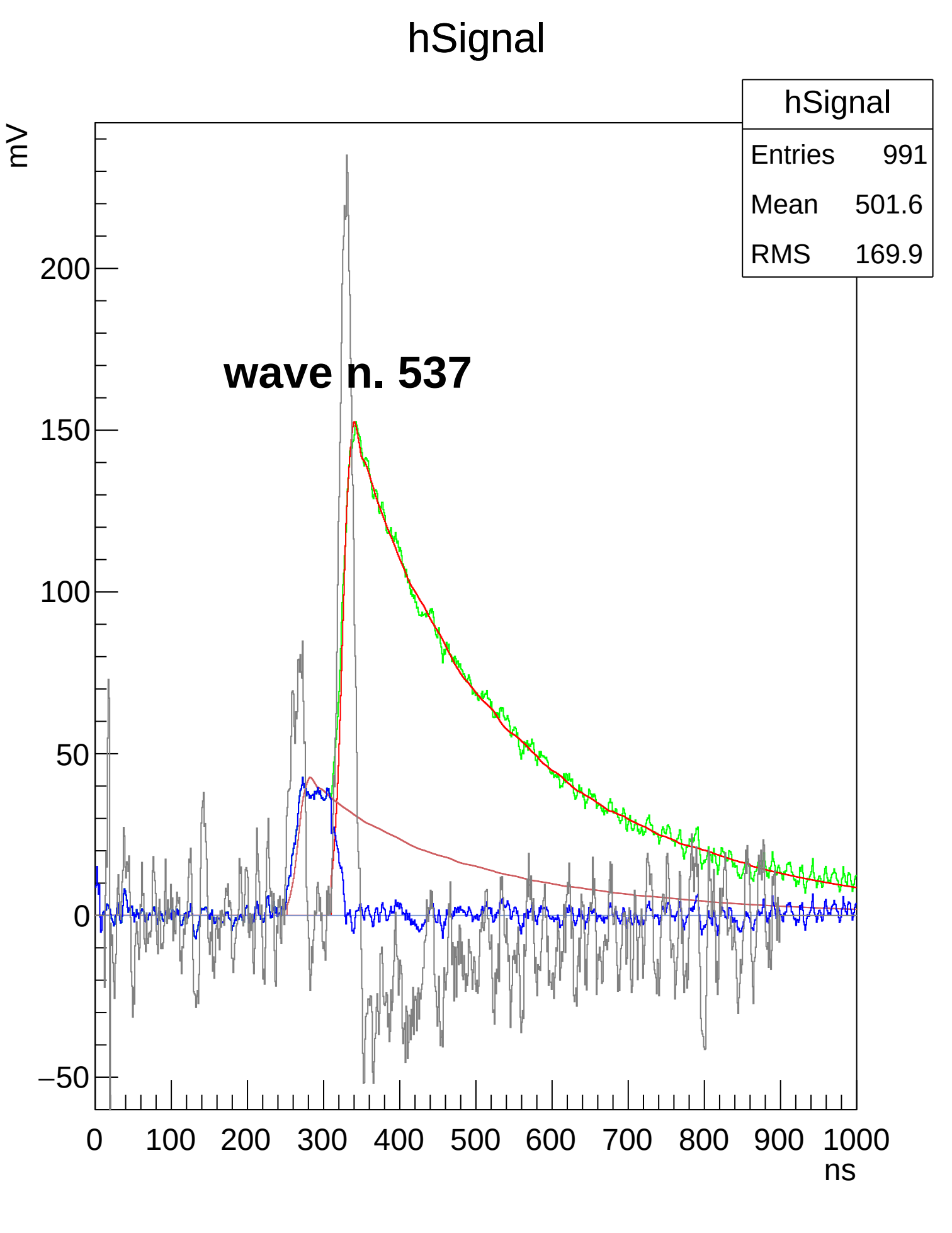

hSignal
hSignal
Entries 991
Mean 460.3
RMS 174.9
wave n. 532
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

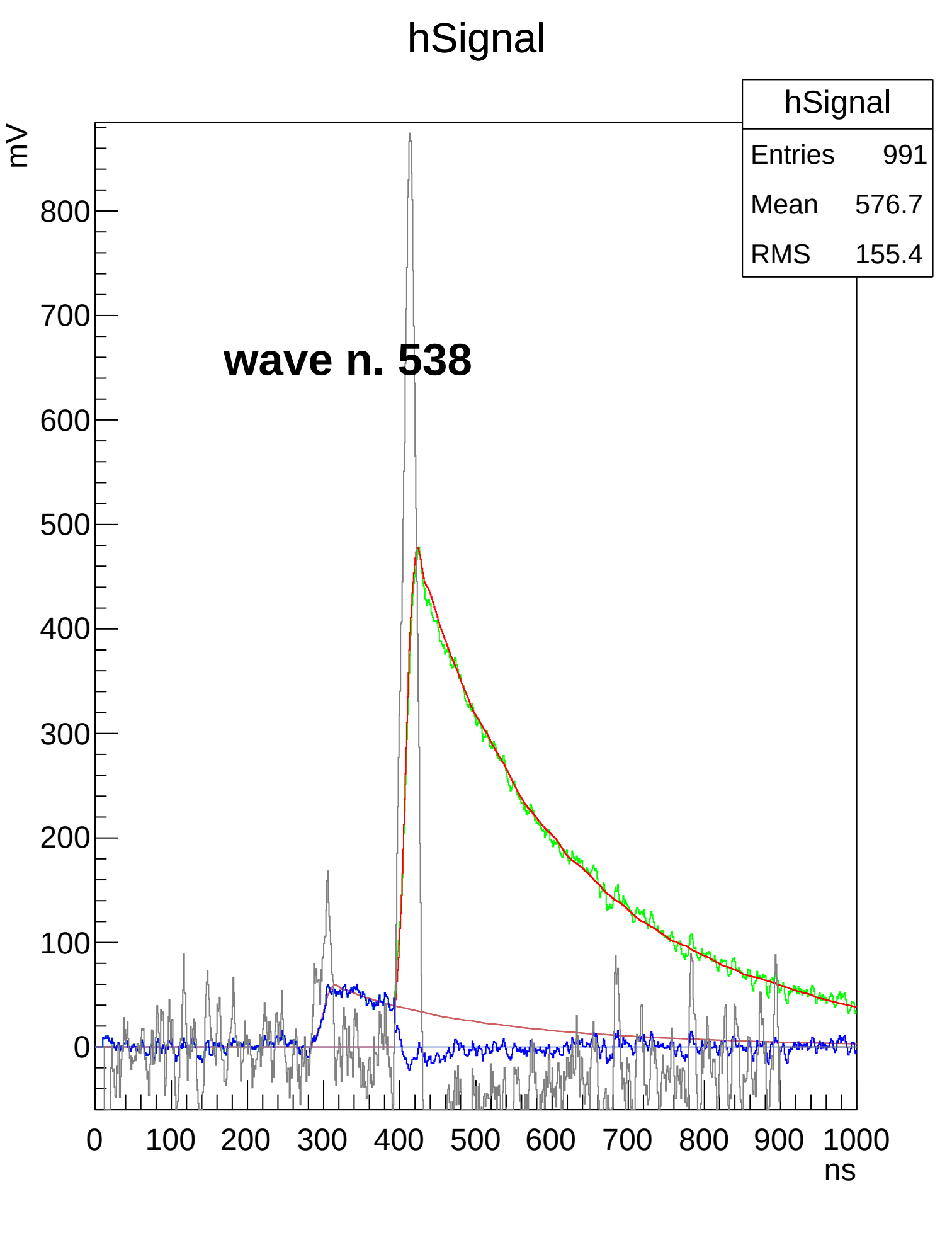

hSignal
hSignal
Entries 991
Mean 450
RMS 173
wave n. 533
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

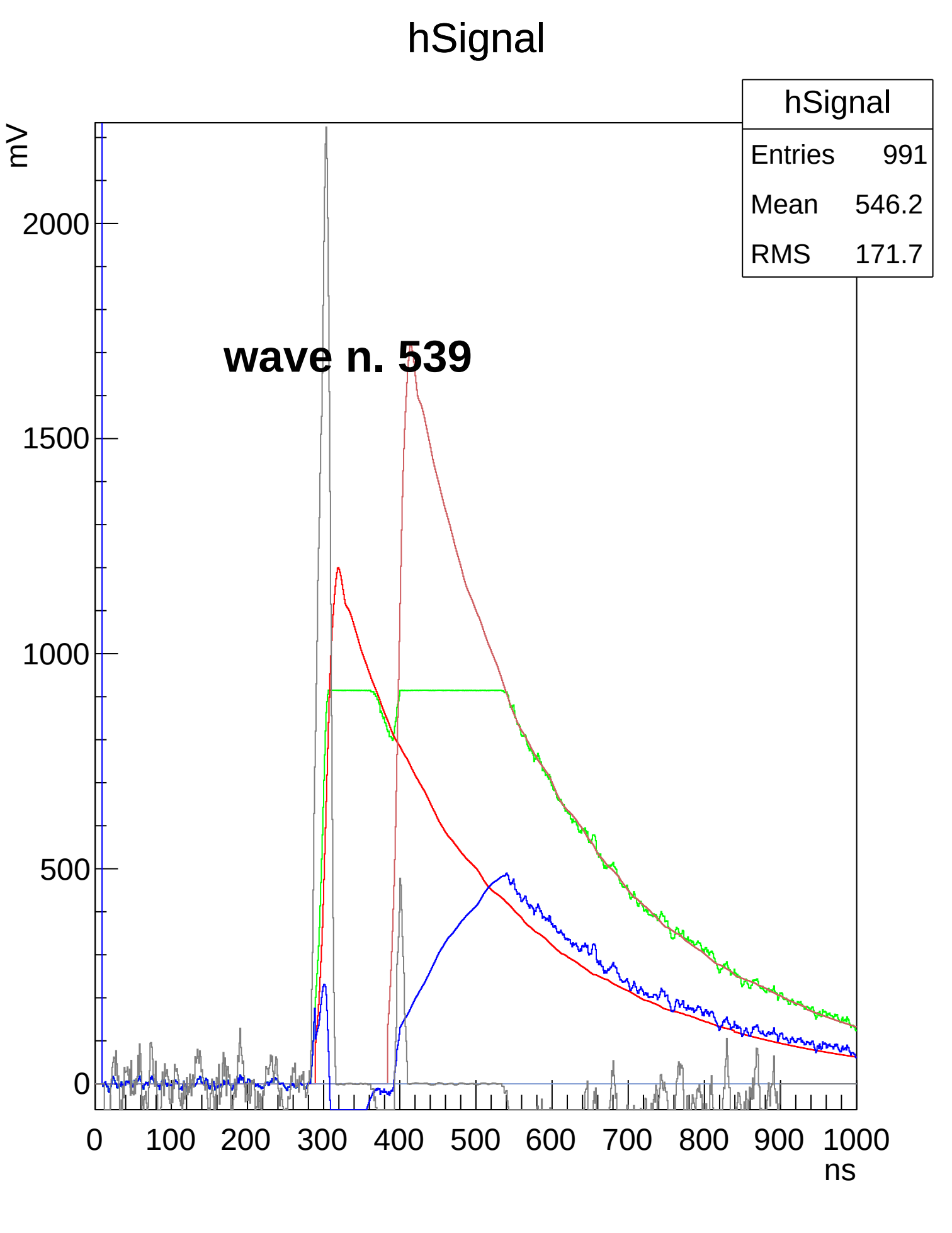

hSignal
hSignal
Entries 991
Mean 489
RMS 177.2
wave n. 534
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

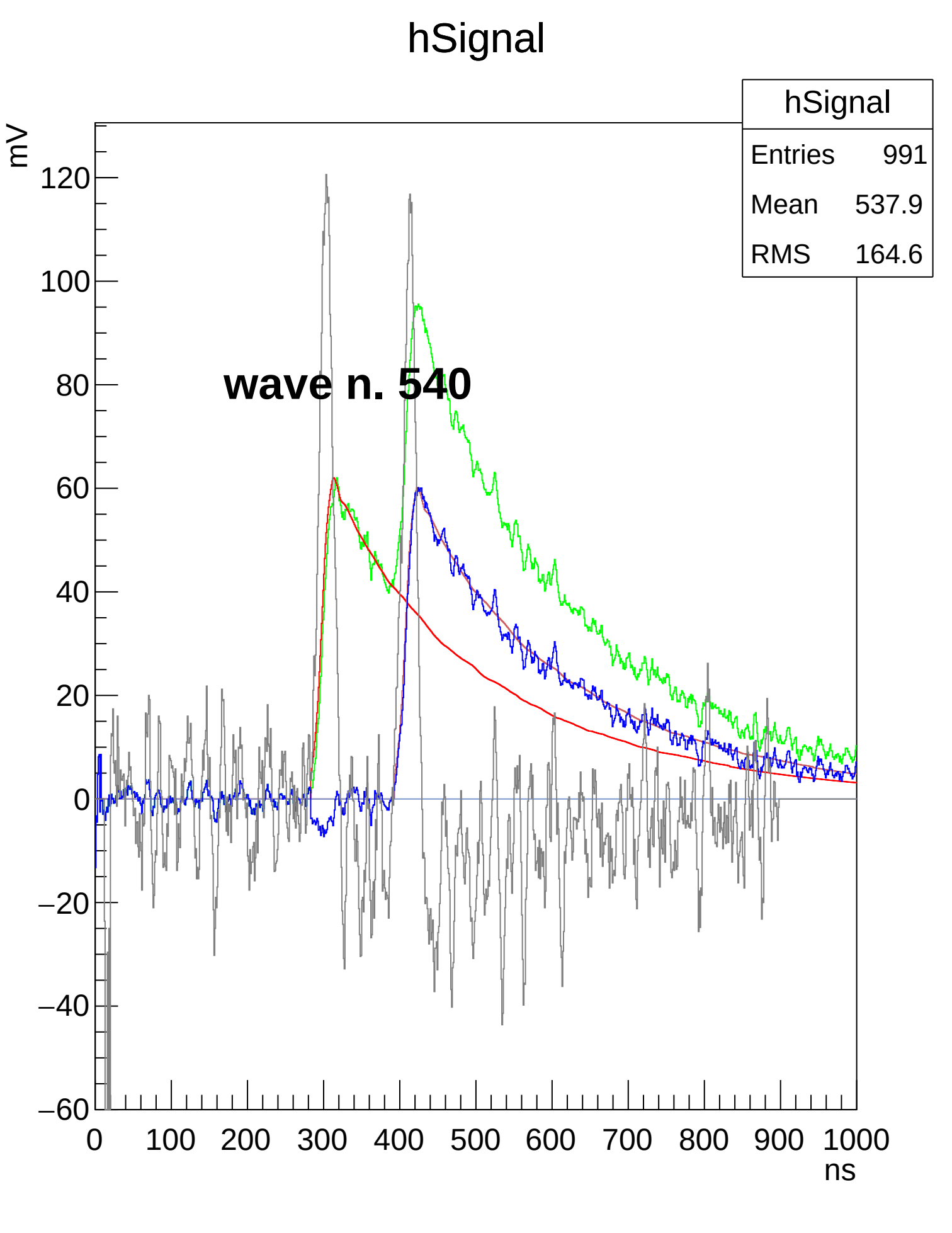

hSignal
hSignal
Entries 991
Mean 491.9
RMS 169.3
wave n. 535
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

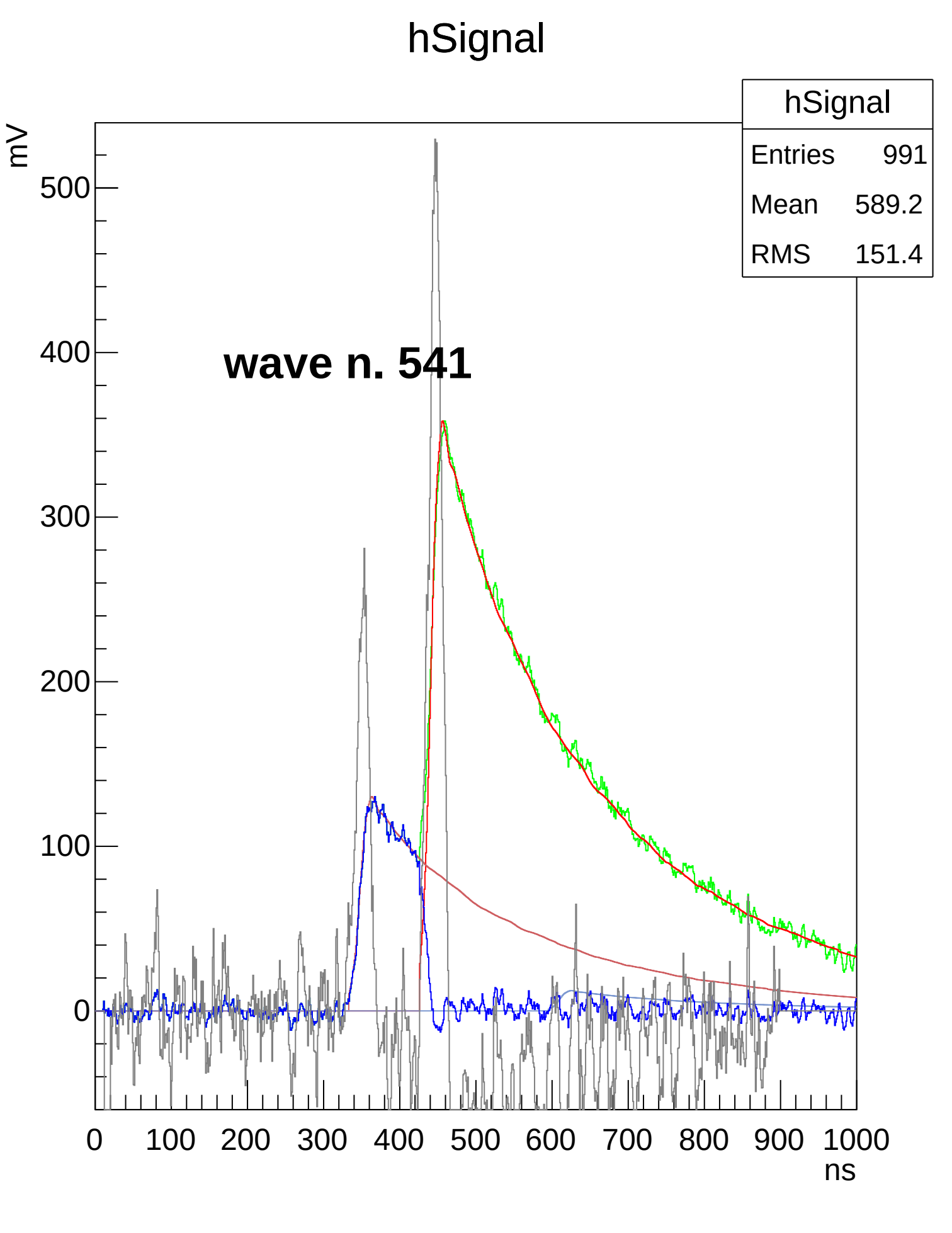

hSignal
hSignal
Entries 991
Mean 502.5
RMS 175.5
wave n. 536
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

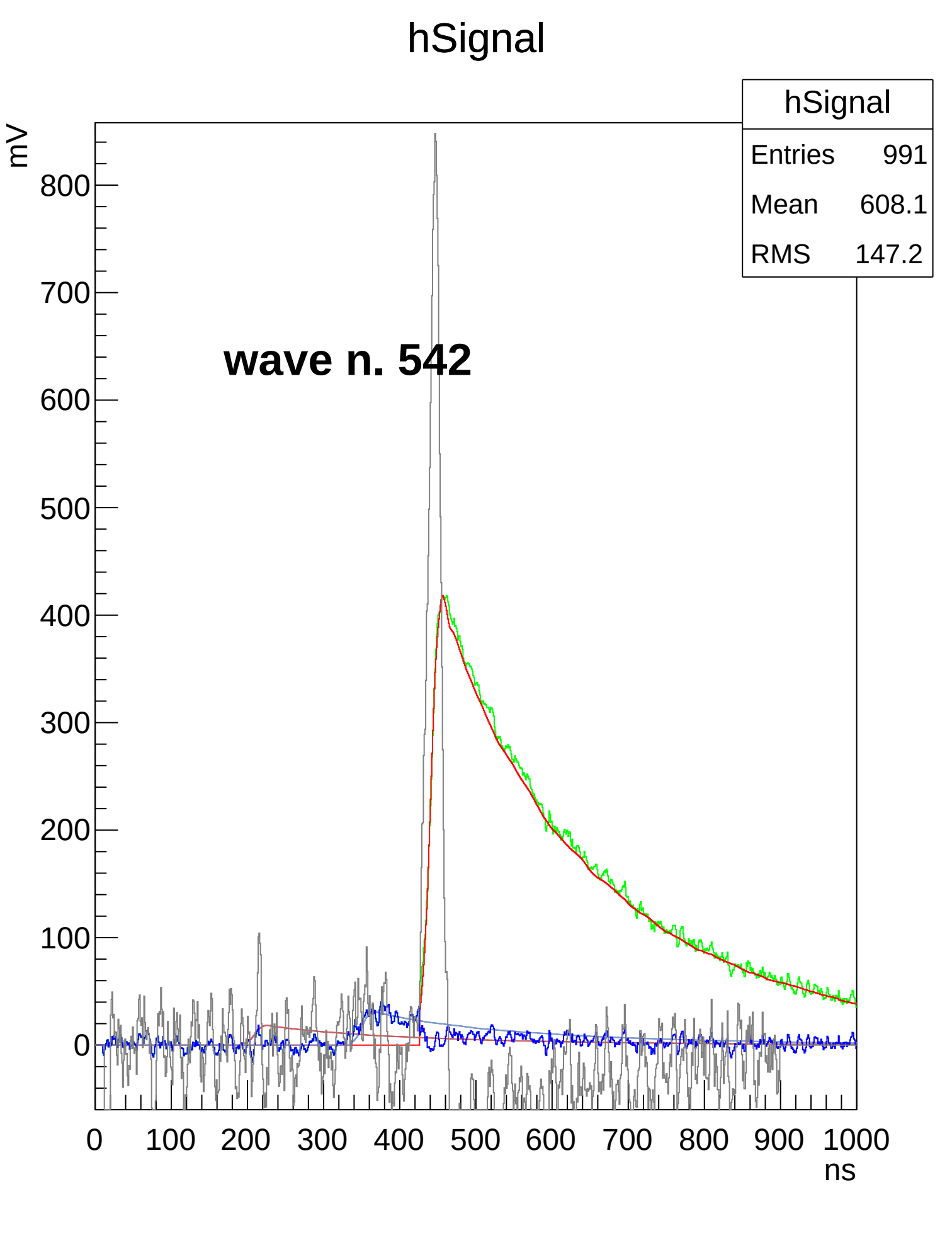

hSignal
hSignal
Entries 991
Mean 501.6
RMS 169.9
wave n. 537
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

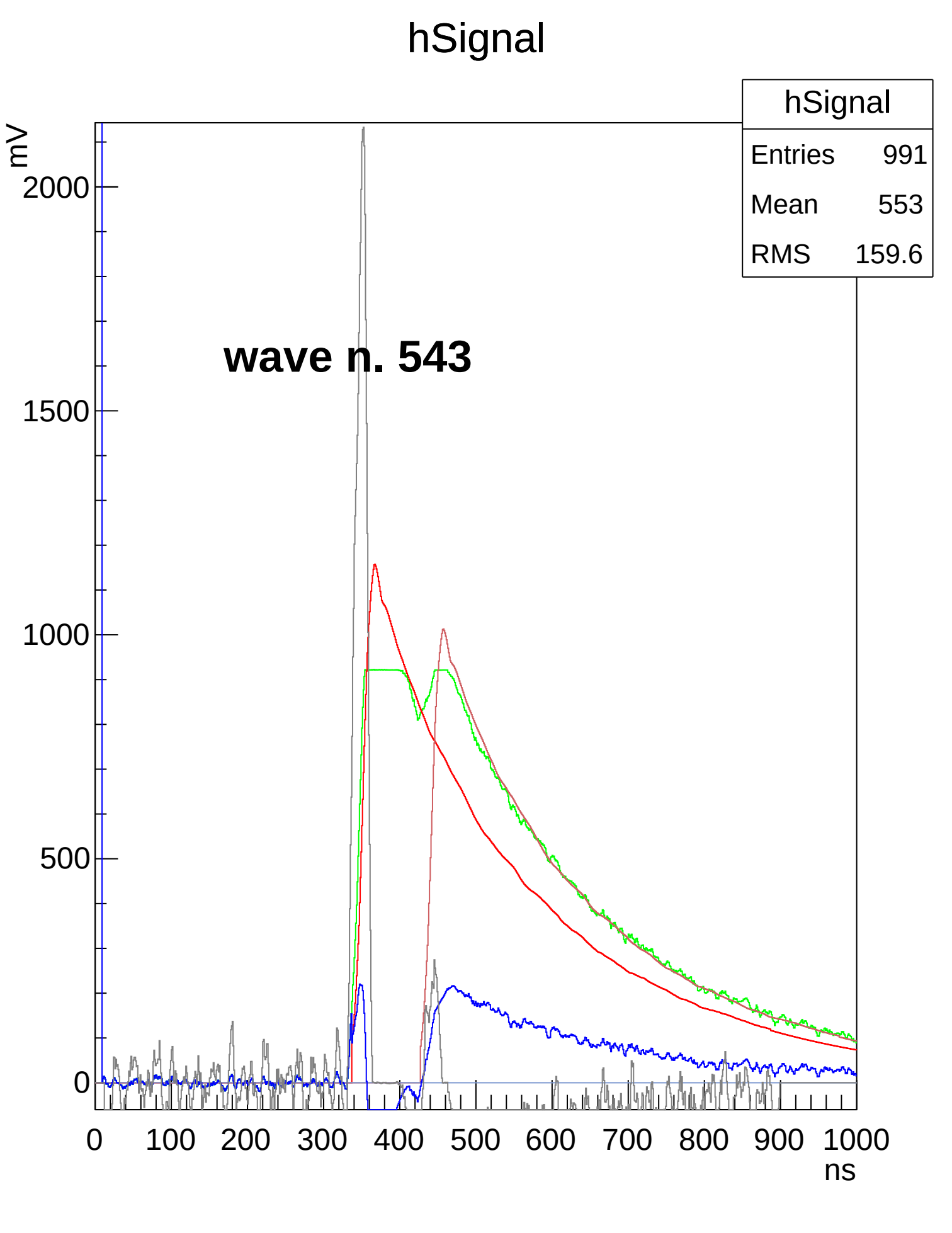

hSignal
hSignal
Entries 991
Mean 576.7
RMS 155.4
wave n. 538
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

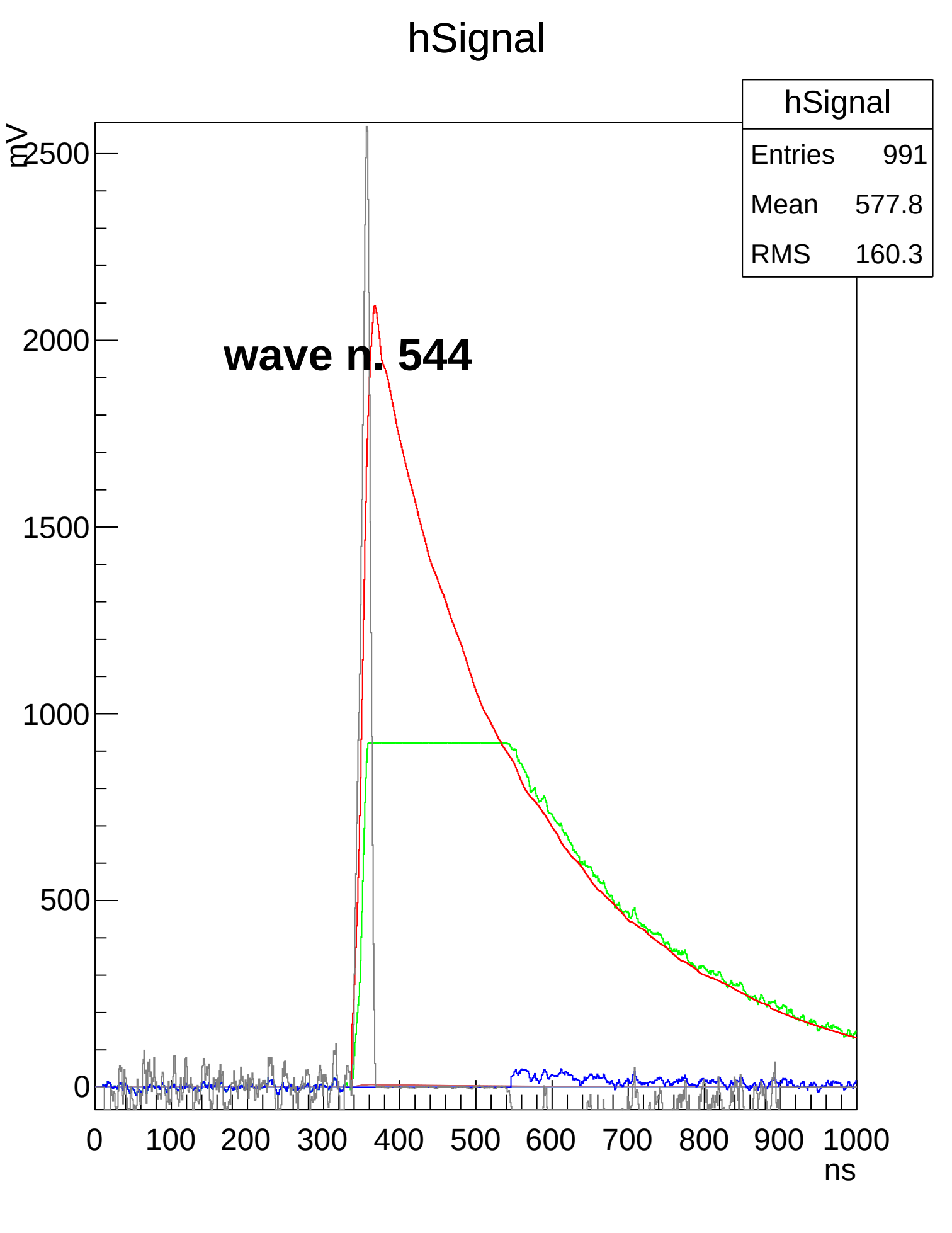

hSignal
hSignal
Entries 991
Mean 546.2
RMS 171.7
wave n. 539
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

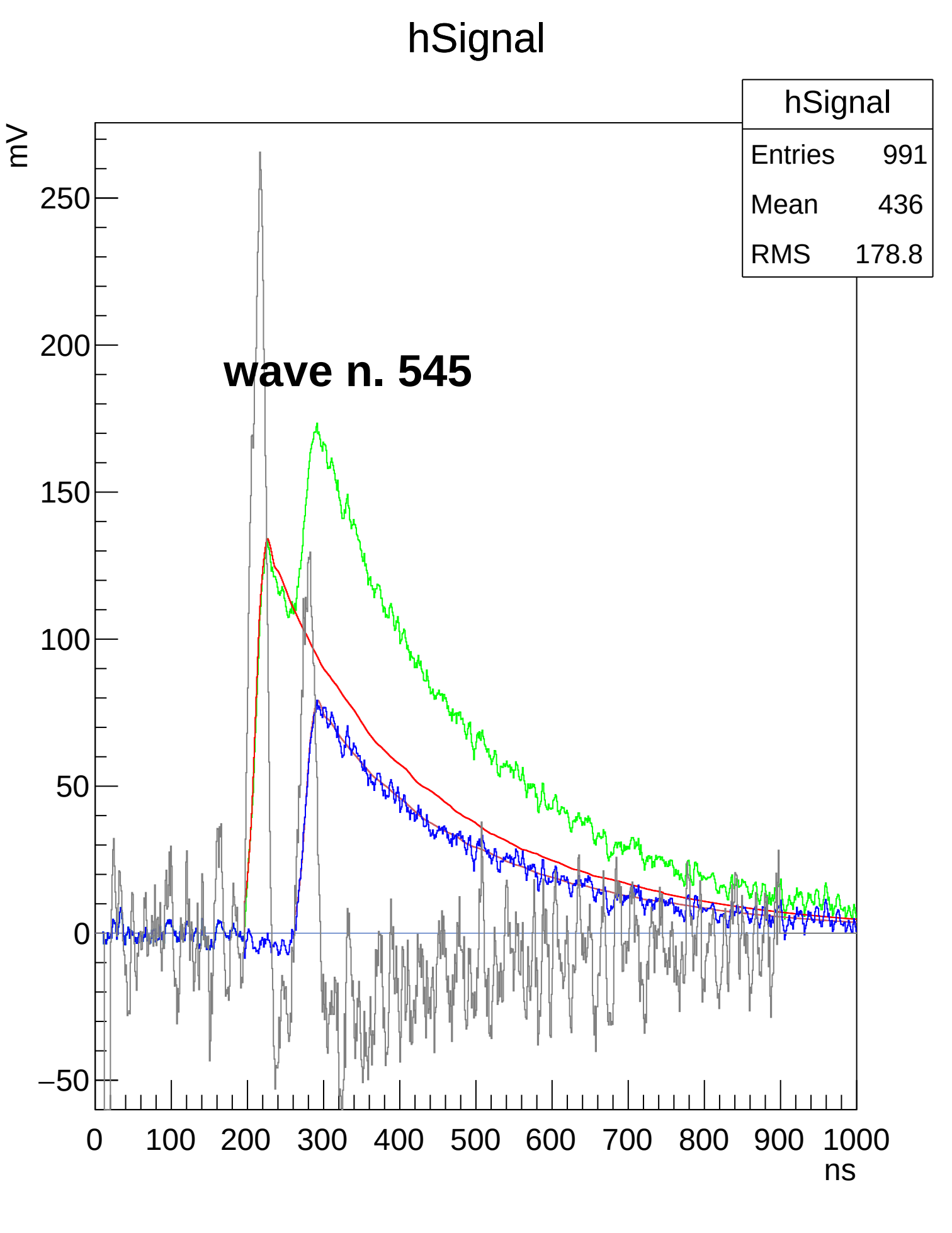

hSignal
hSignal
Entries 991
Mean 537.9
RMS 164.6
wave n. 540
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

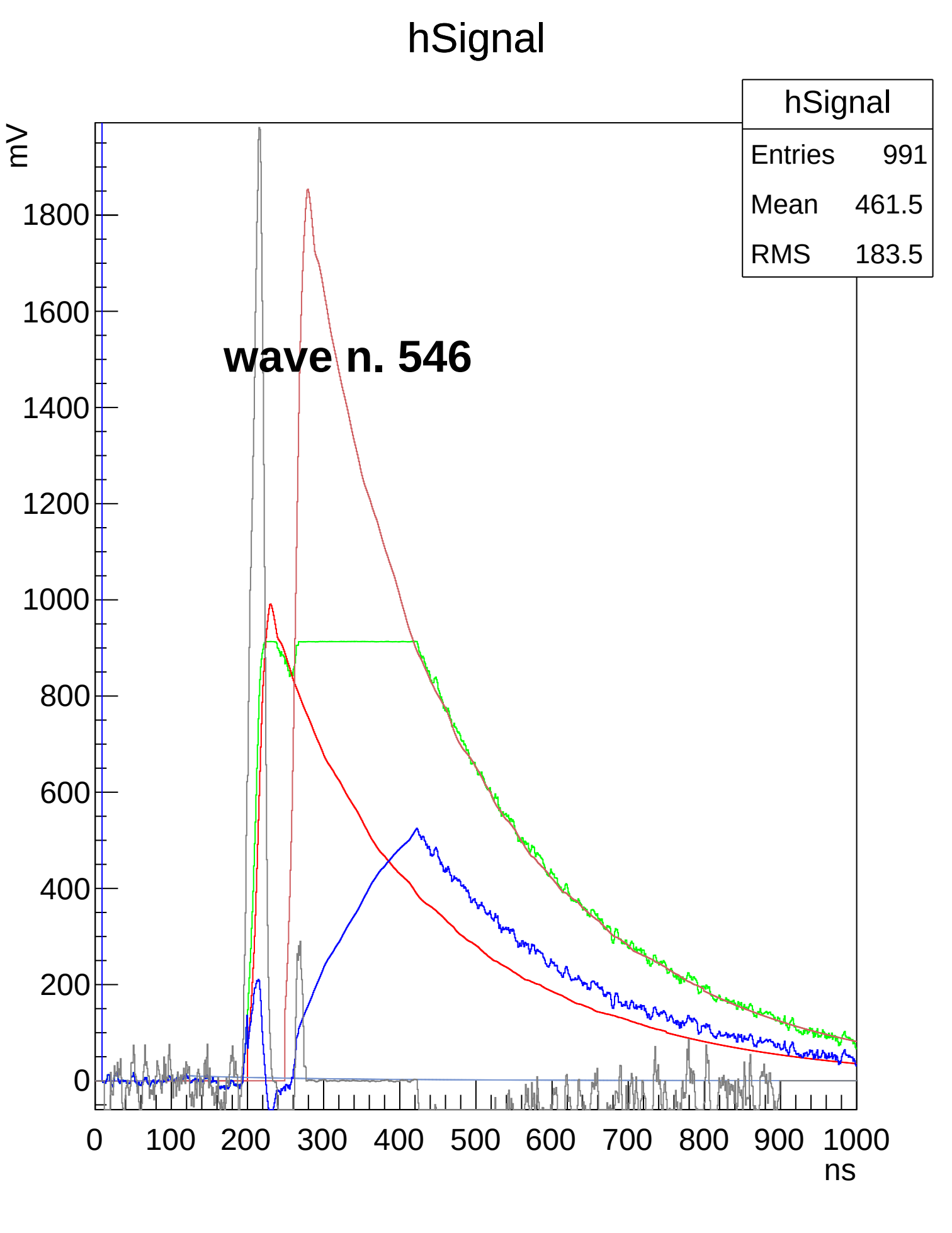

hSignal
hSignal
Entries 991
Mean 589.2
RMS 151.4
wave n. 541
mV
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

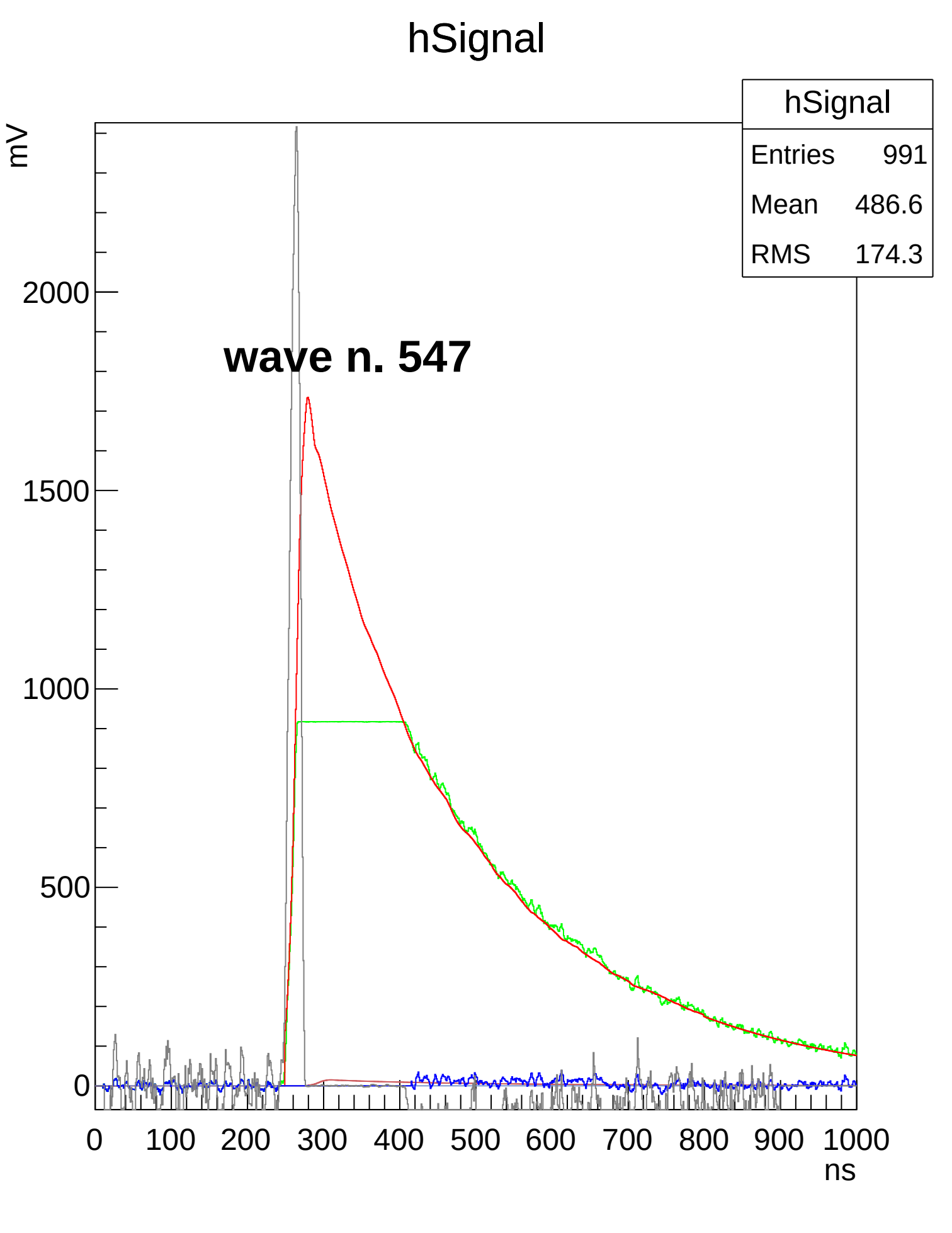

hSignal
hSignal
Entries 991
Mean 608.1
RMS 147.2
wave n. 542
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

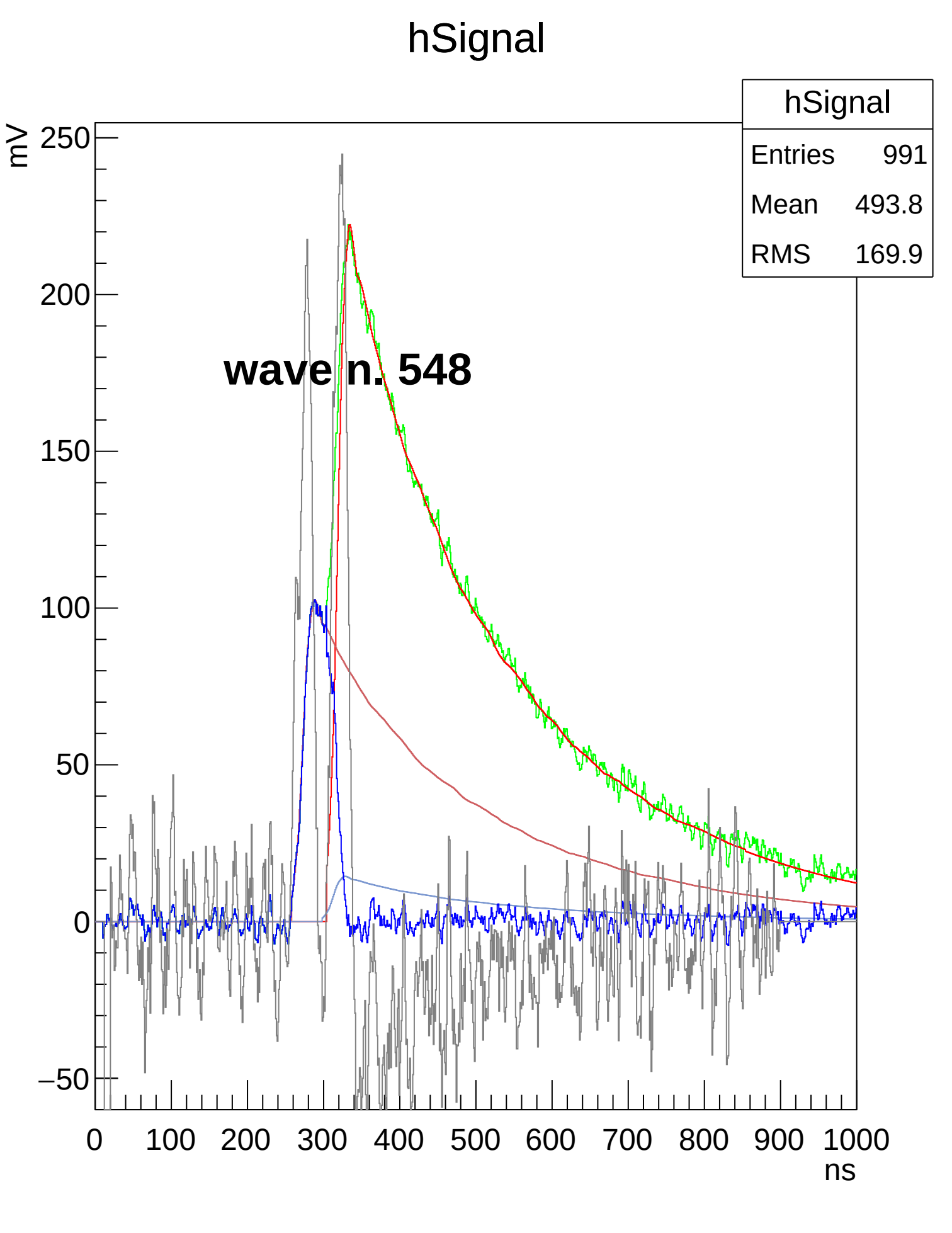

hSignal
hSignal
Entries 991
Mean 553
RMS 159.6
wave n. 543
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

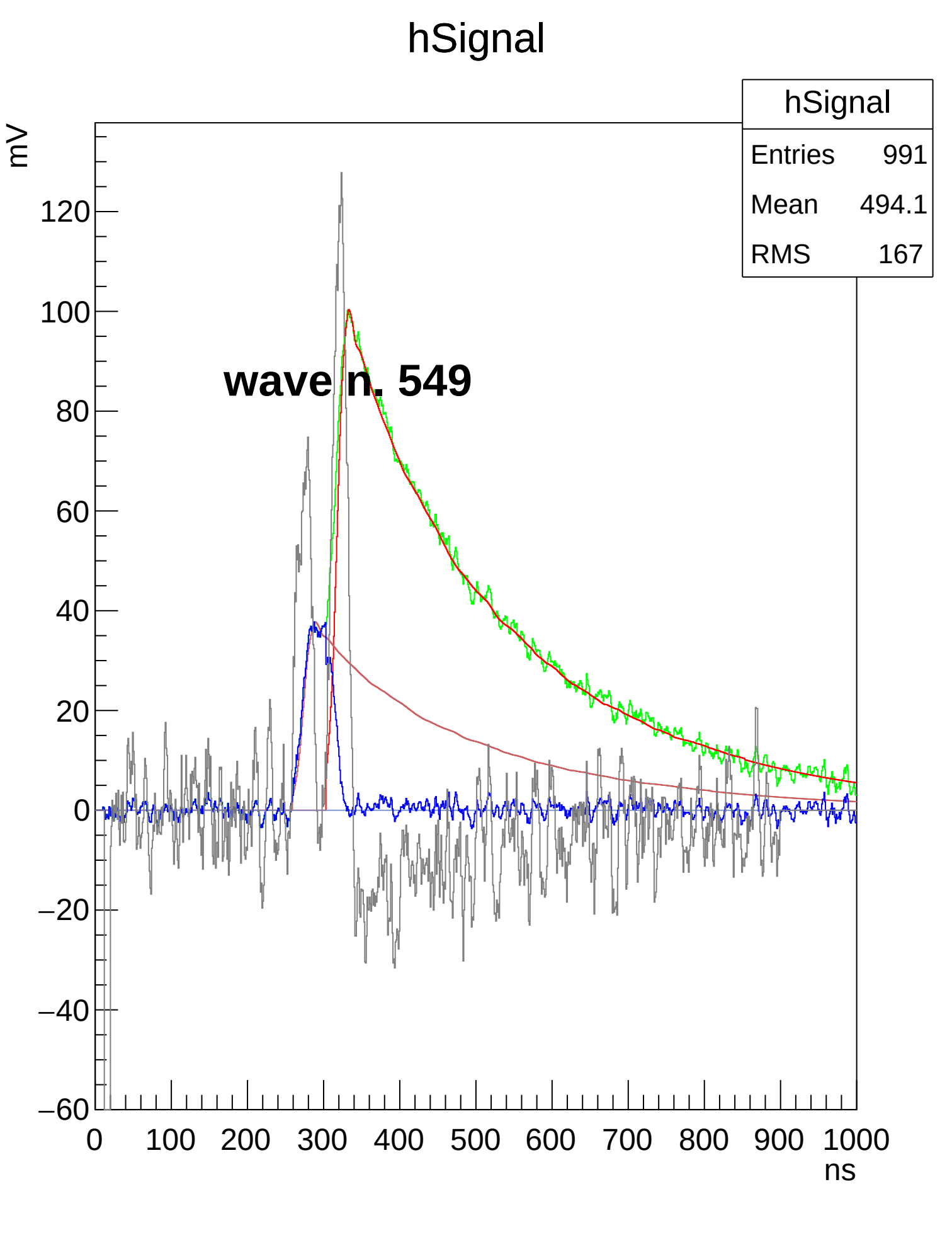

hSignal
hSignal
Entries 991
Mean 577.8
RMS 160.3
wave n. 544
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

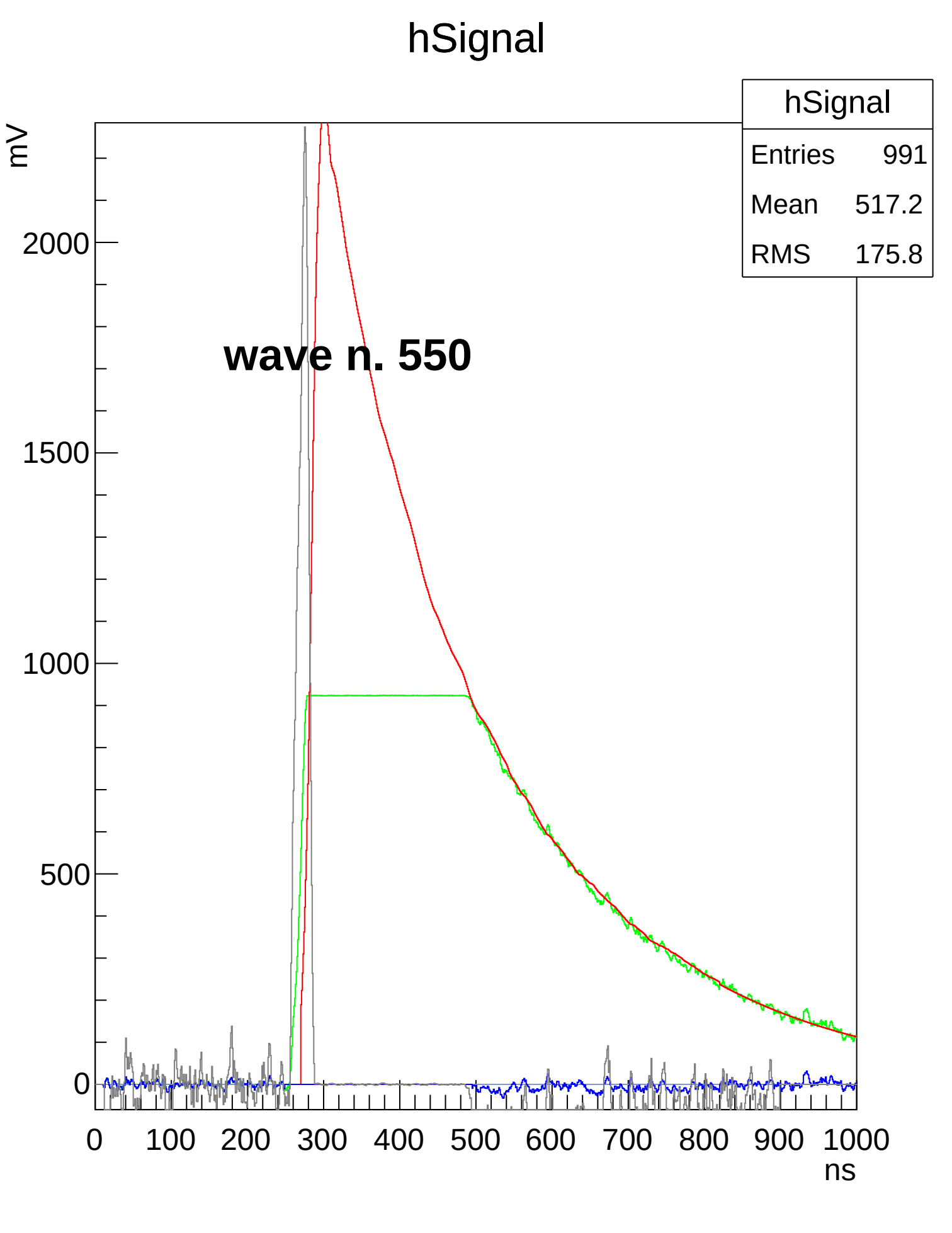

hSignal
hSignal
Entries 991
Mean 436
RMS 178.8
wave n. 545
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

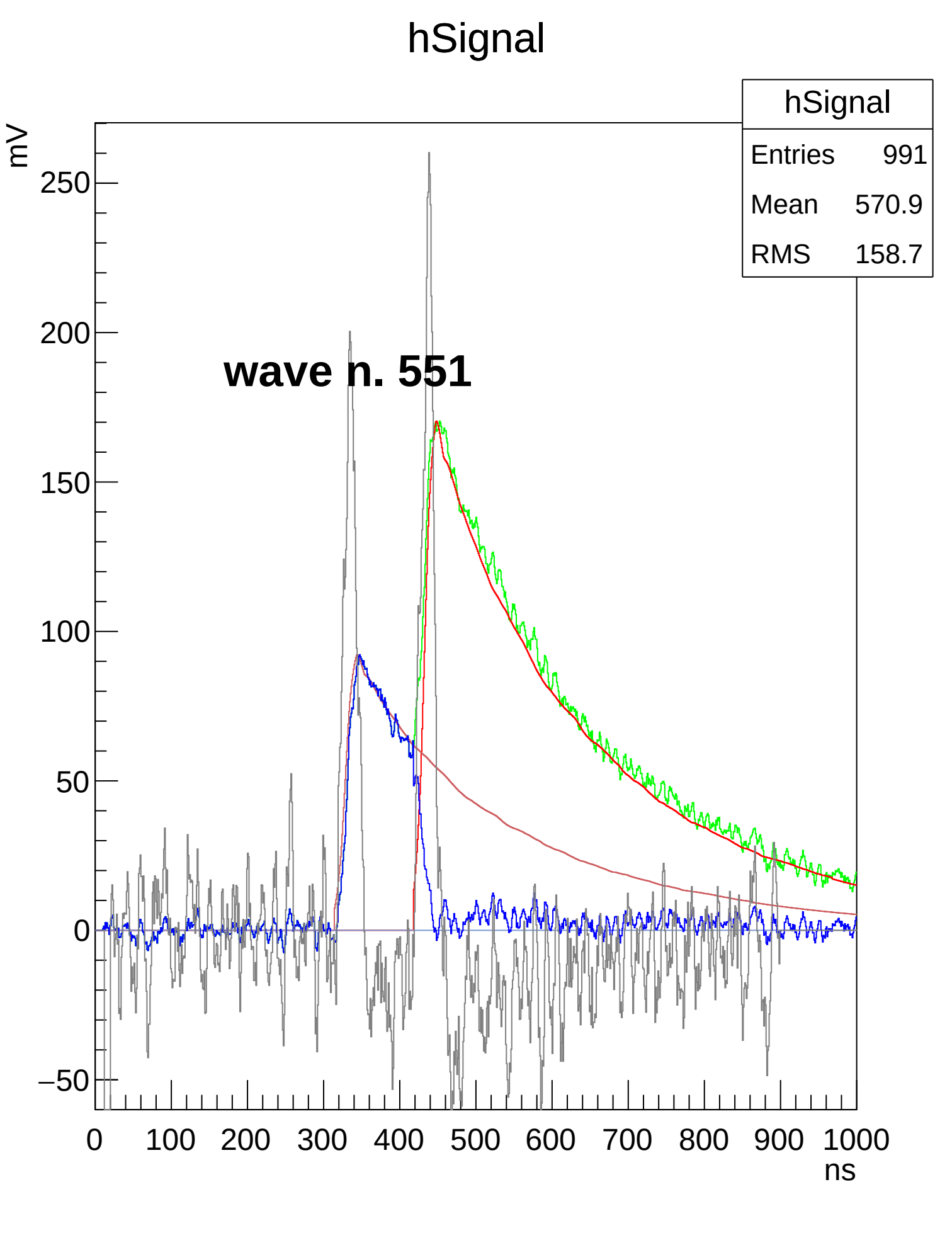

hSignal
hSignal
Entries 991
Mean 461.5
RMS 183.5
wave n. 546
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

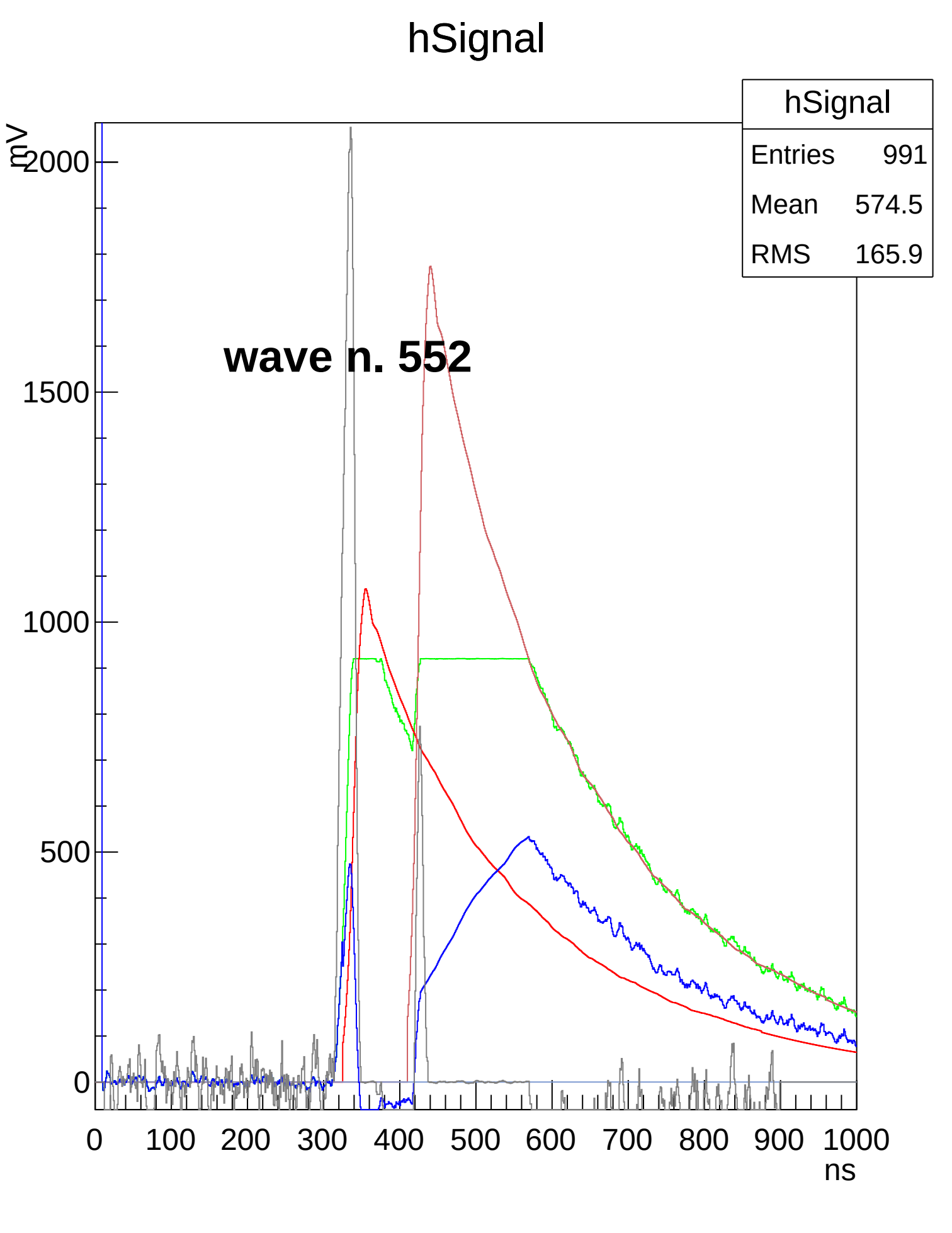

hSignal
hSignal
Entries 991
Mean 486.6
RMS 174.3
wave n. 547
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

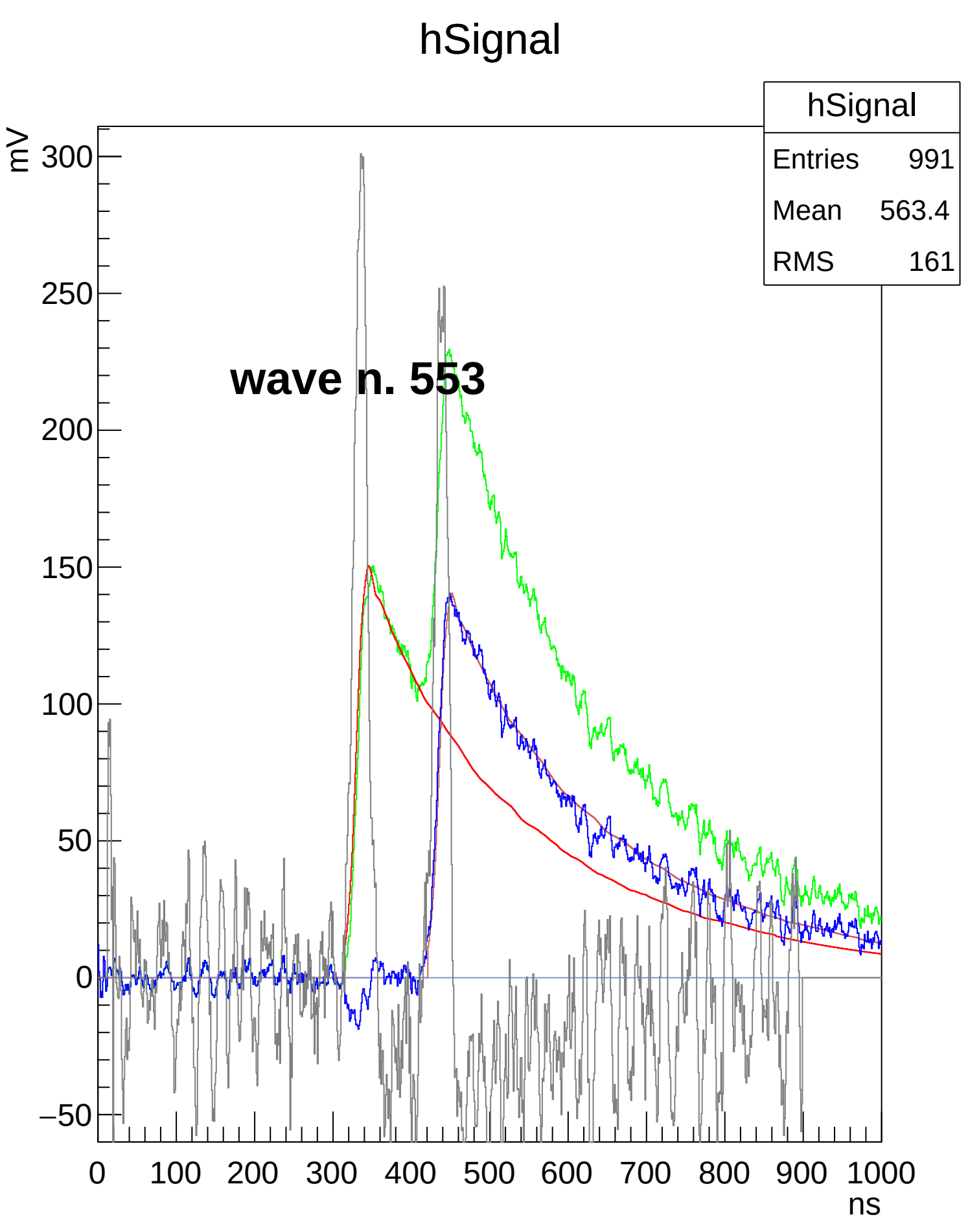

hSignal
hSignal
Entries 991
Mean 493.8
RMS 169.9
wave n. 548
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

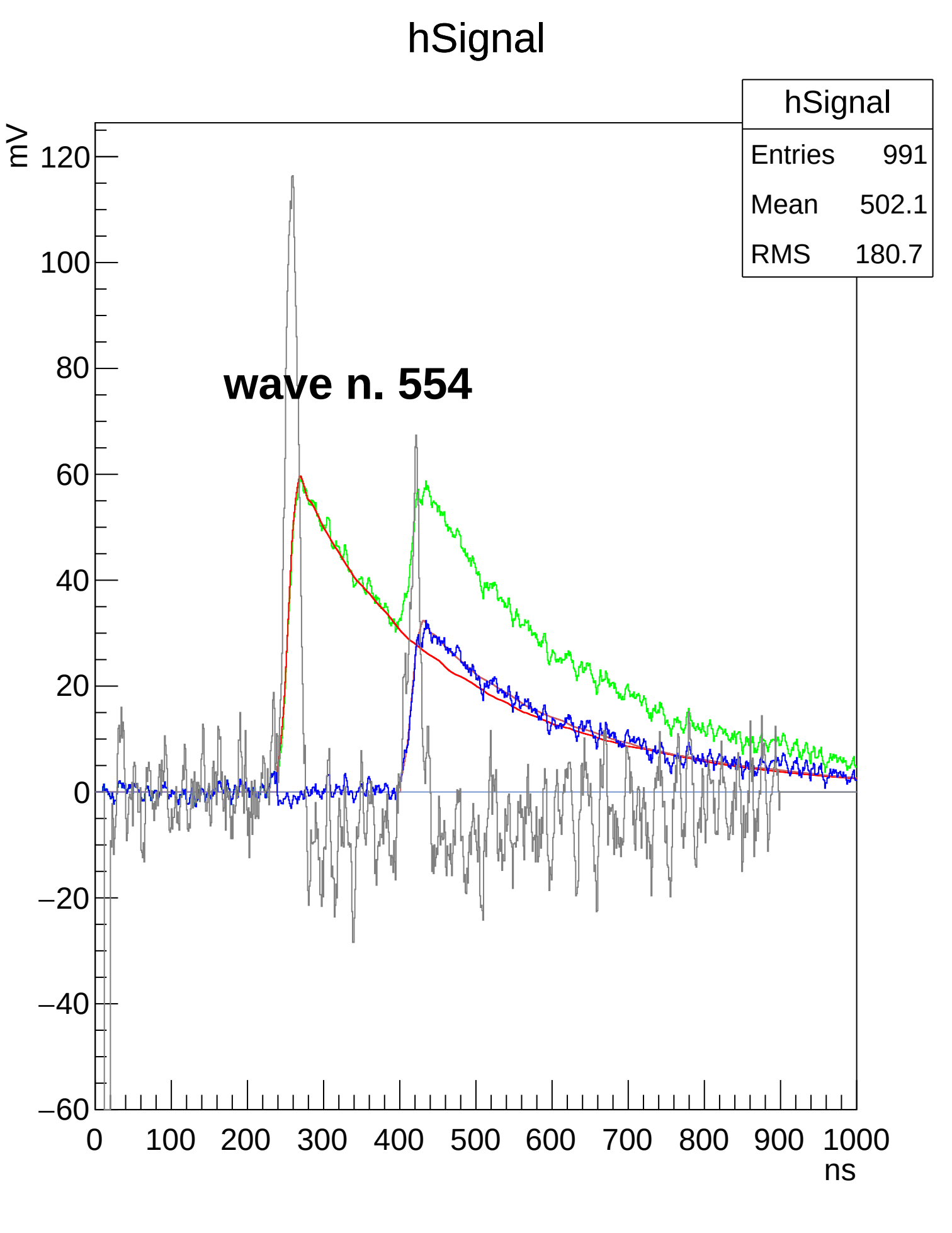

hSignal
hSignal
Entries 991
Mean 494.1
RMS 167
wave n. 549
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

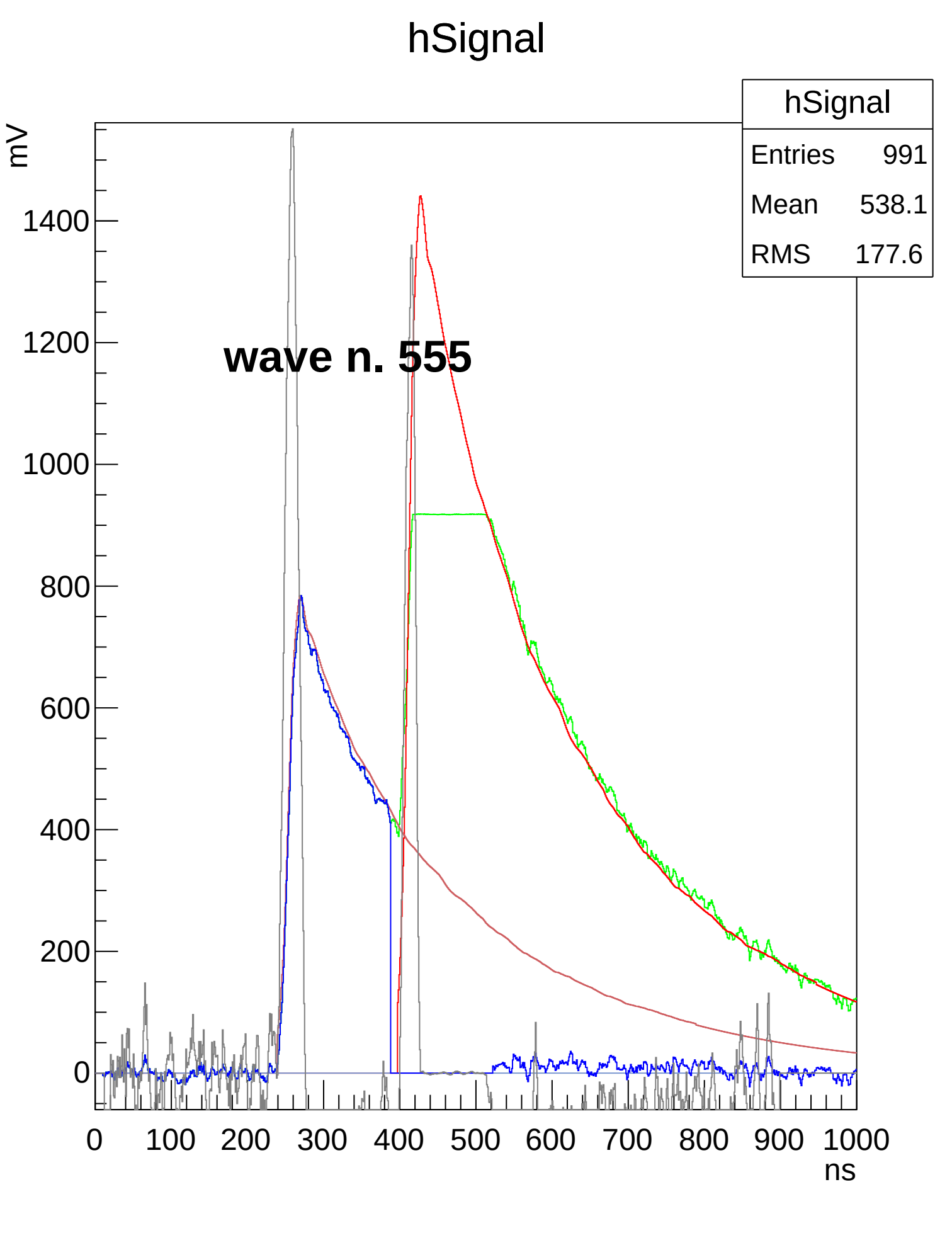

hSignal
hSignal
Entries 991
Mean 517.2
RMS 175.8
wave n. 550
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

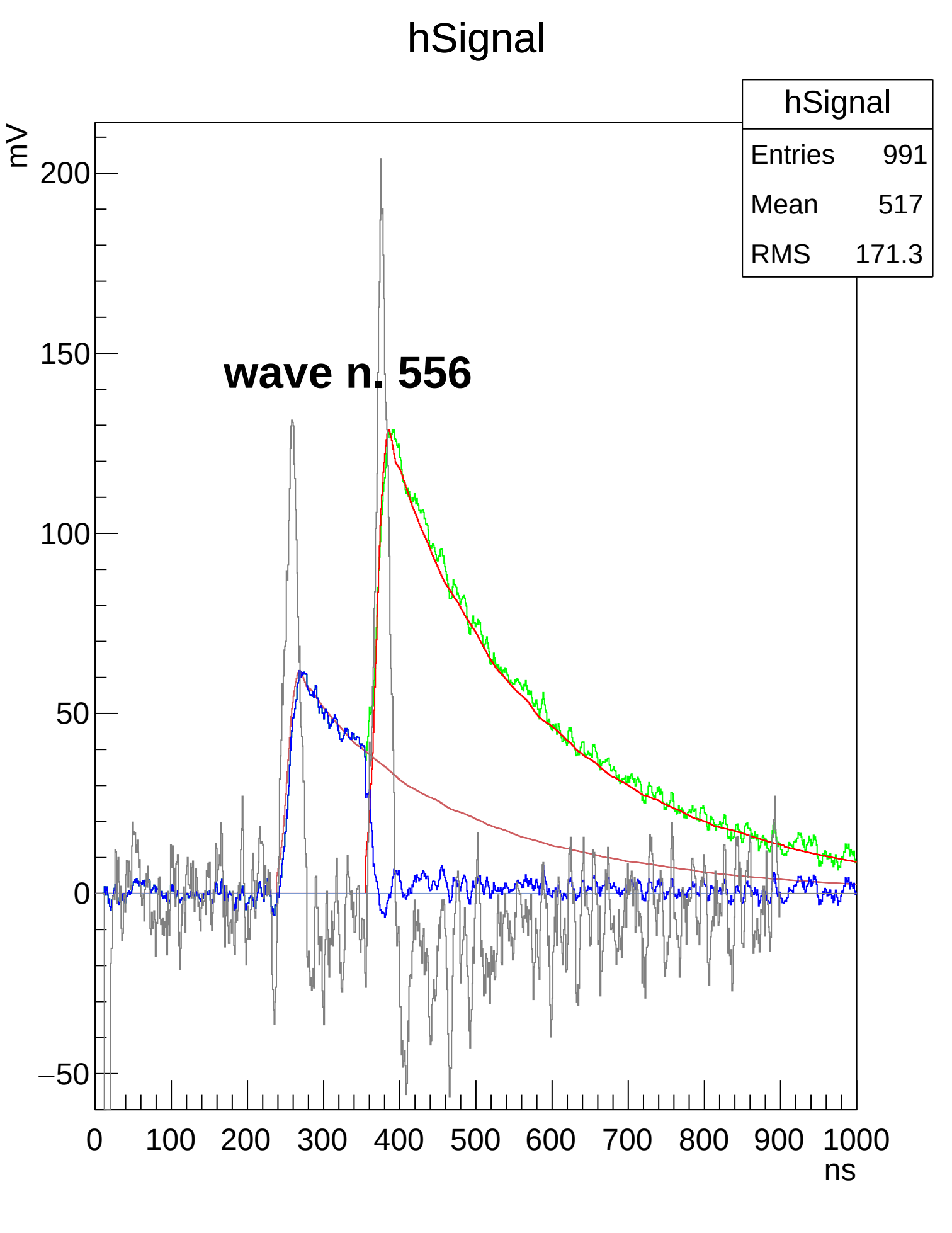

hSignal
hSignal
Entries 991
Mean 570.9
RMS 158.7
wave n. 551
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

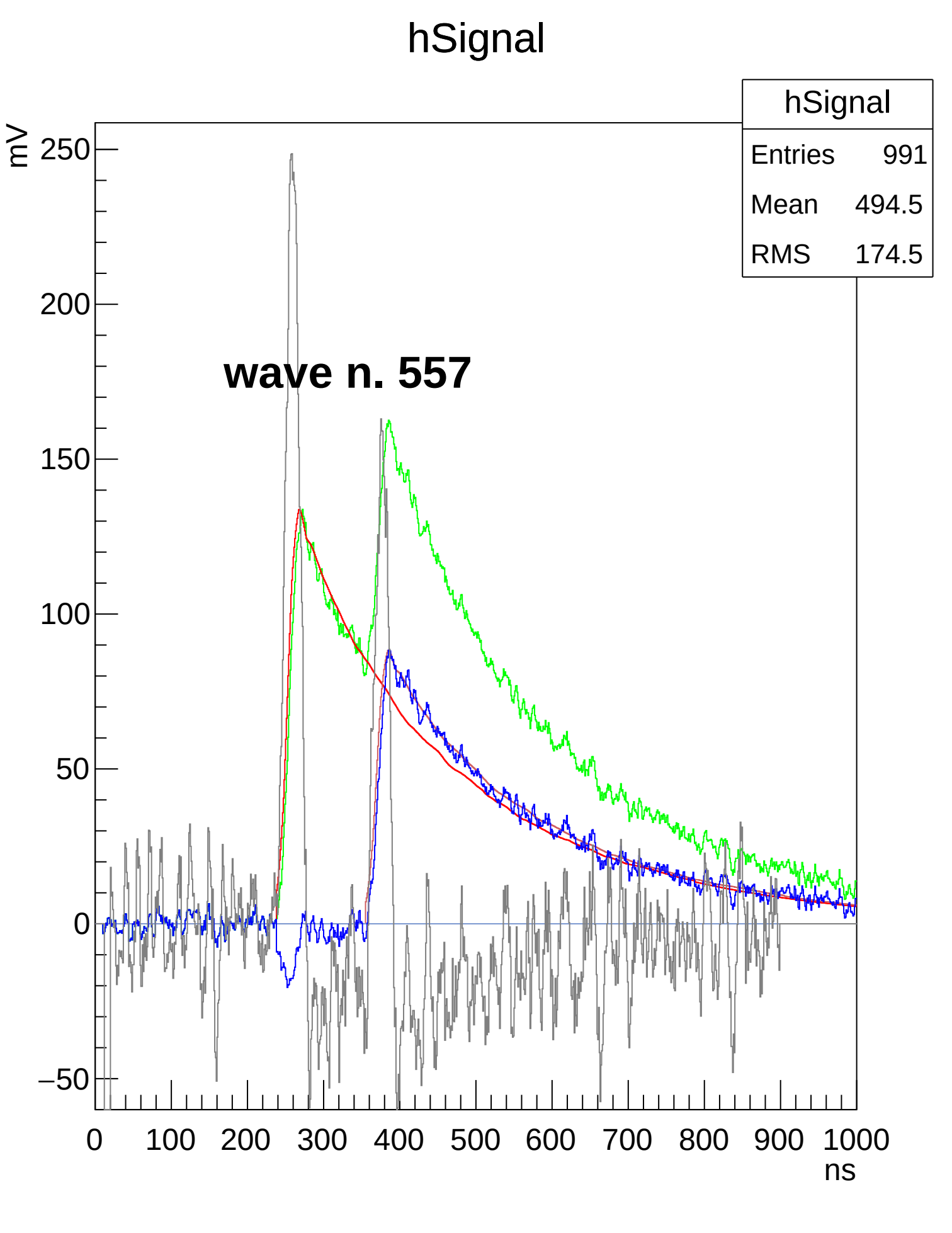

hSignal
hSignal
Entries 991
Mean 574.5
RMS 165.9
wave n. 552
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

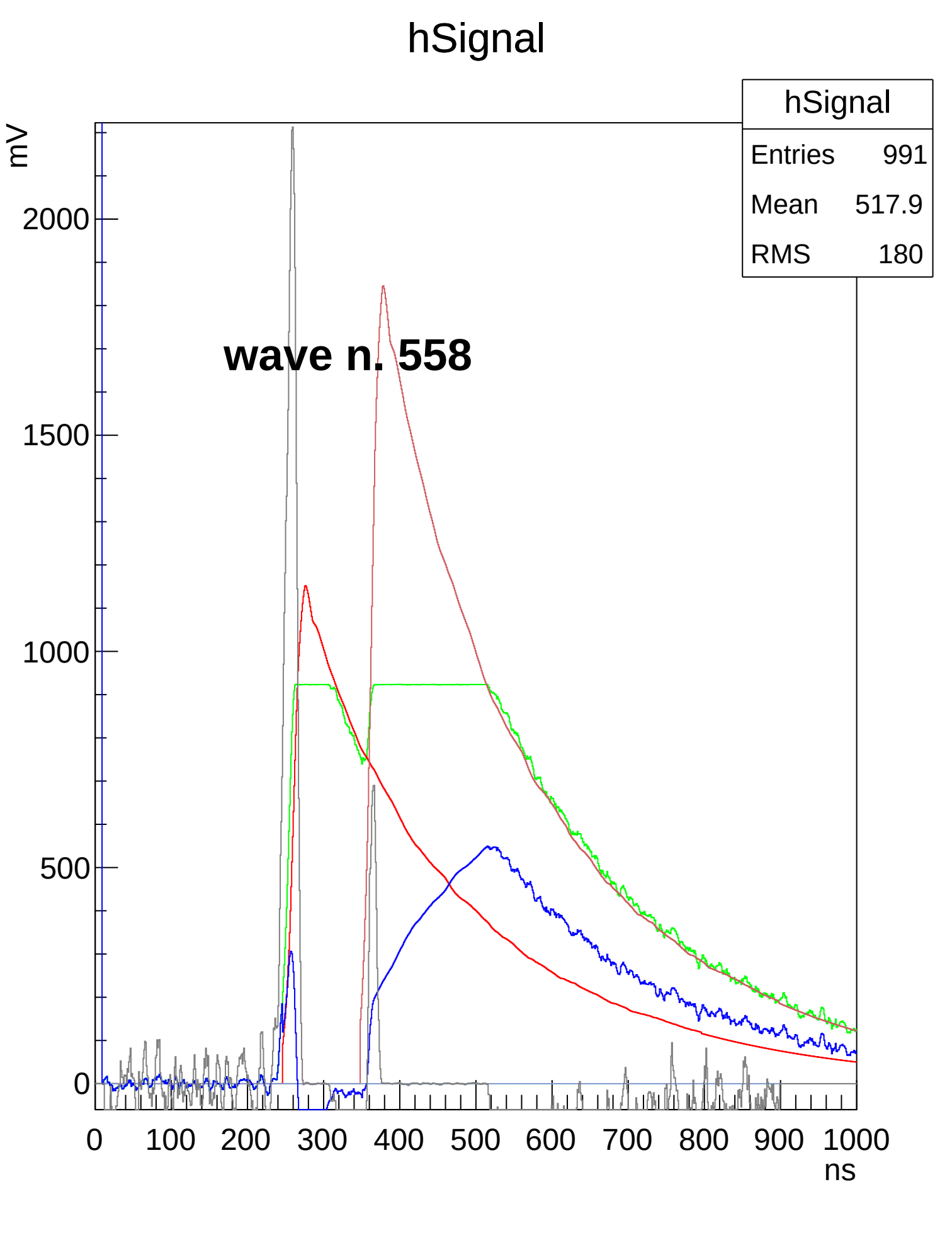

hSignal
hSignal
Entries 991
Mean 563.4
RMS 161
wave n. 553
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

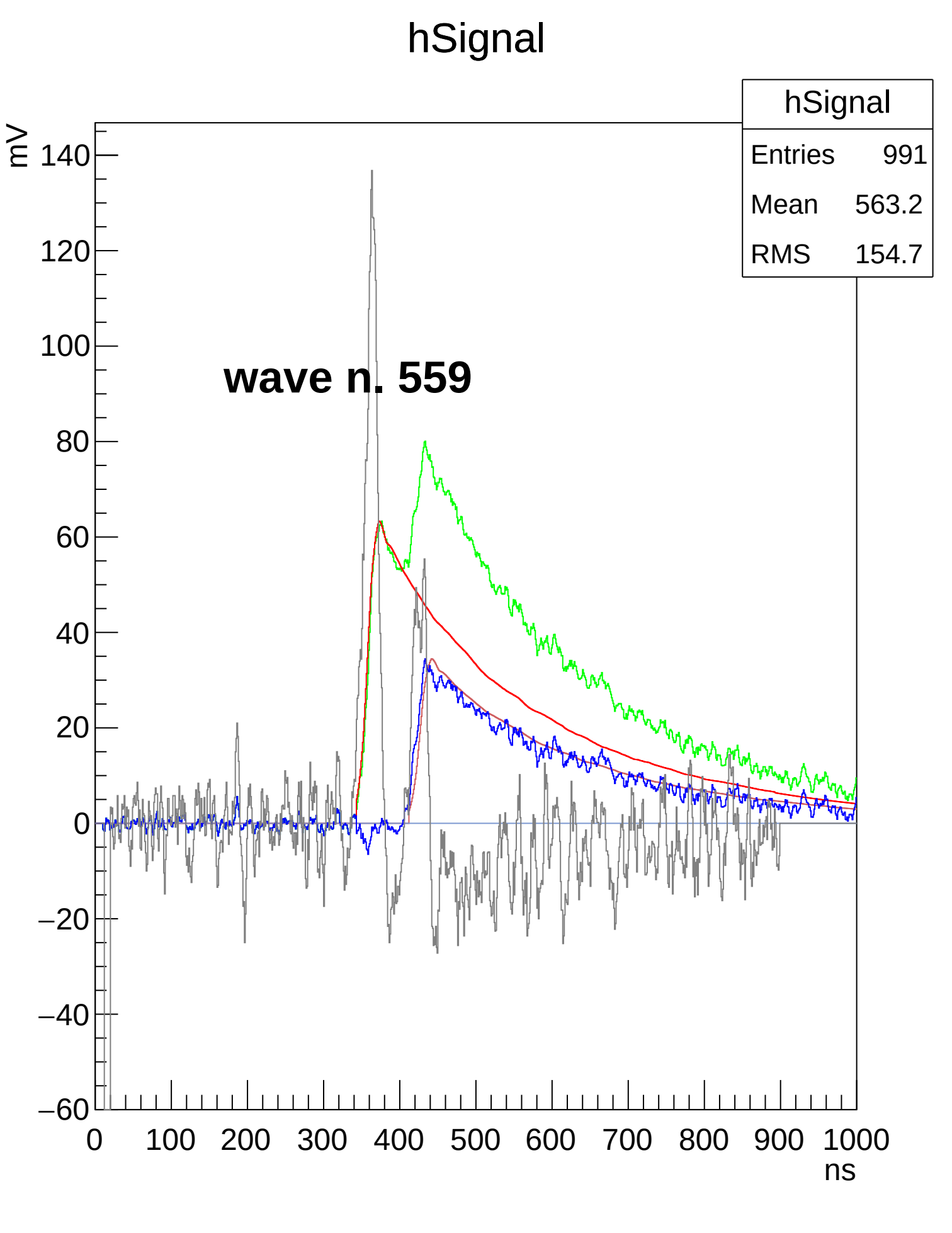

hSignal
hSignal
Entries 991
Mean 502.1
RMS 180.7
wave n. 554
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

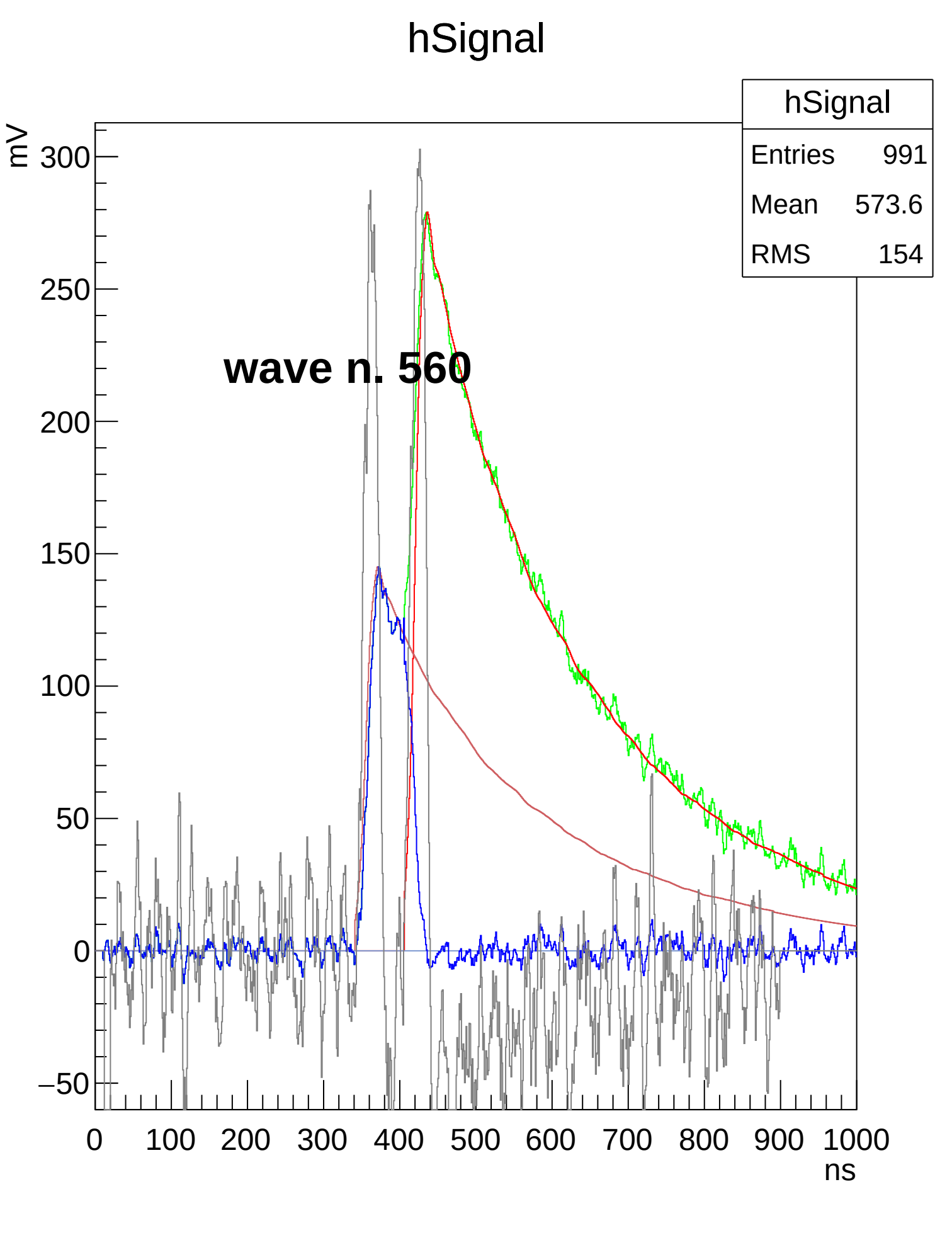

hSignal
hSignal
Entries 991
Mean 538.1
RMS 177.6
wave n. 555
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

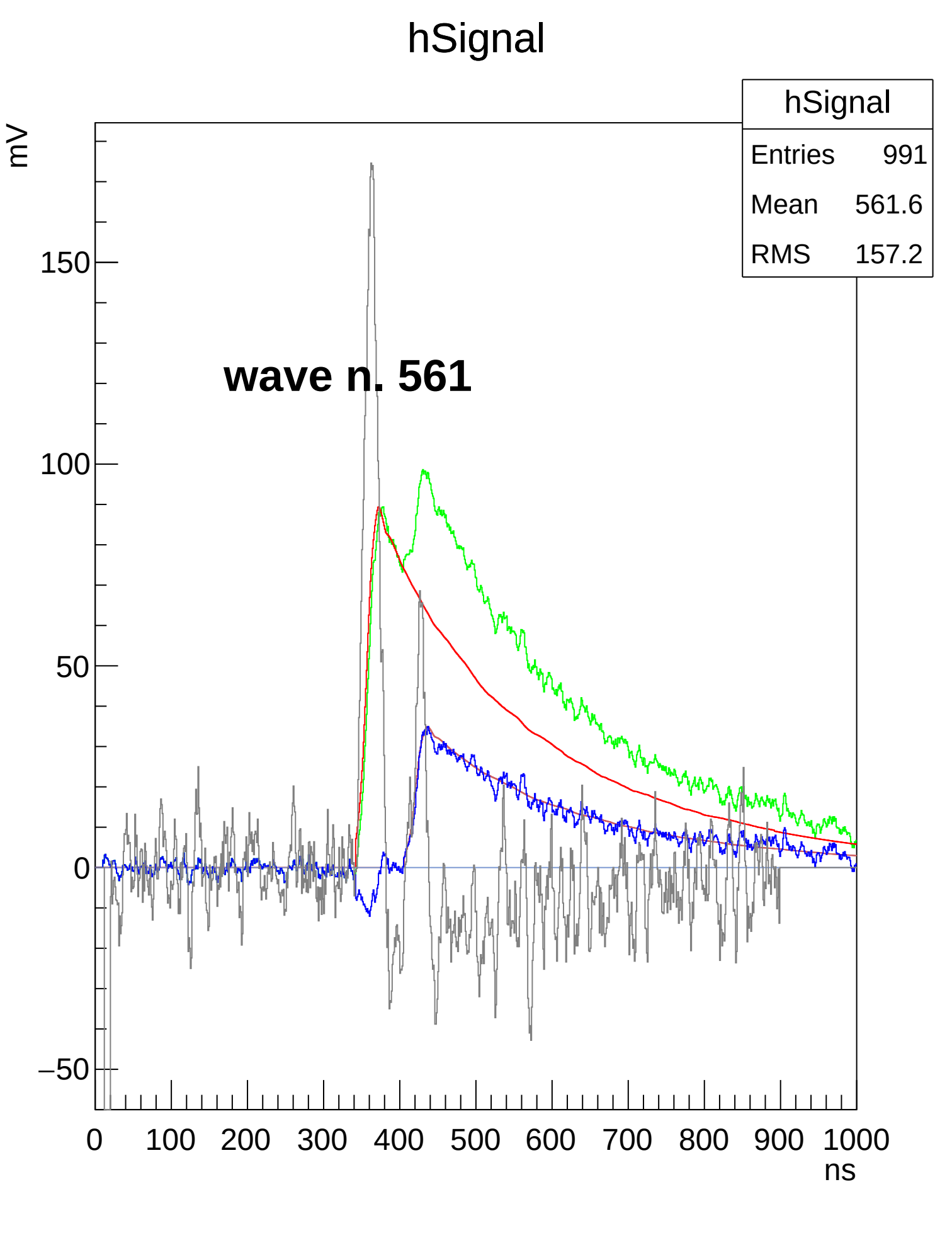

hSignal
hSignal
Entries 991
Mean 517
RMS 171.3
wave n. 556
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

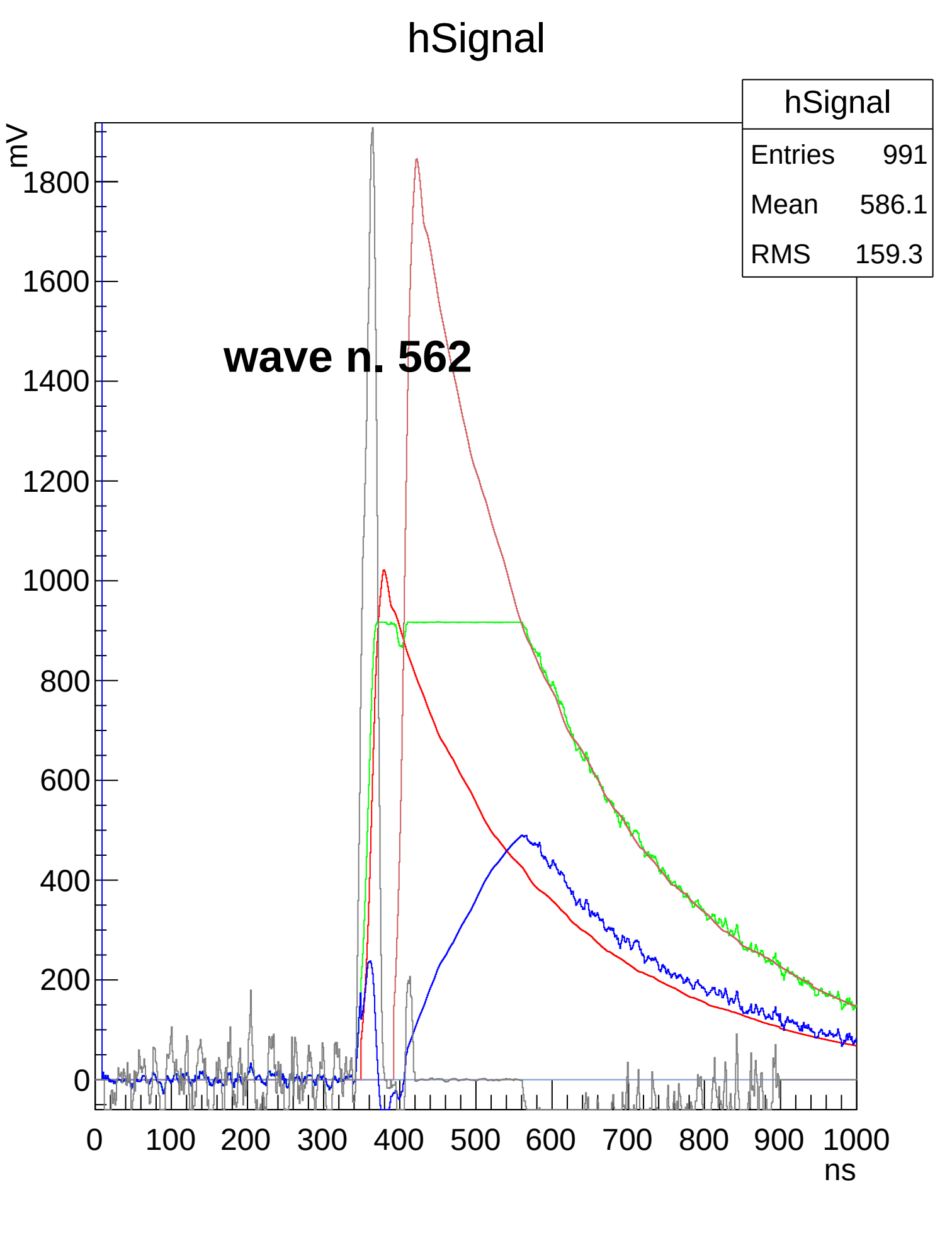

hSignal
hSignal
Entries 991
Mean 494.5
RMS 174.5
wave n. 557
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

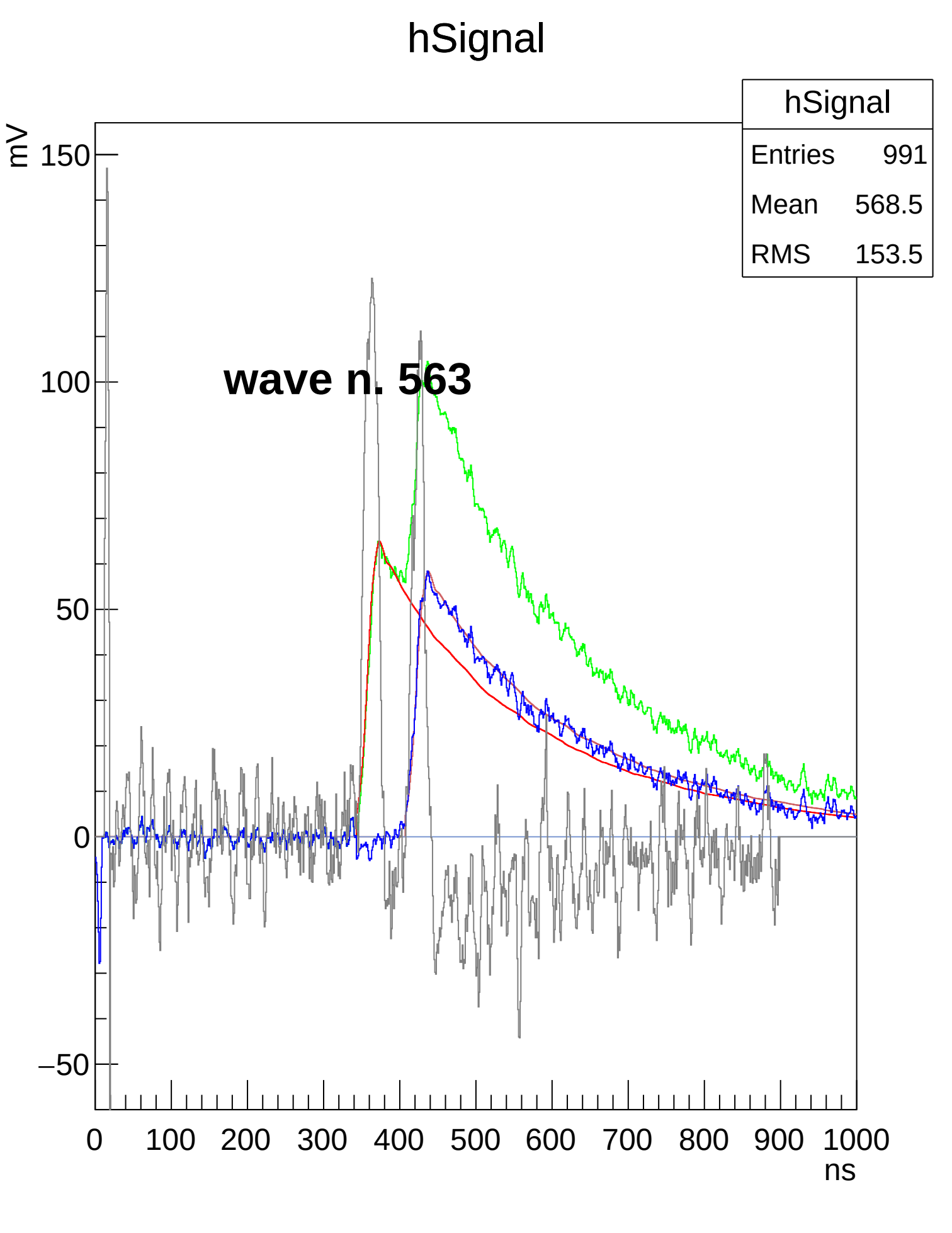

hSignal
hSignal
Entries 991
Mean 517.9
RMS 180
wave n. 558
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

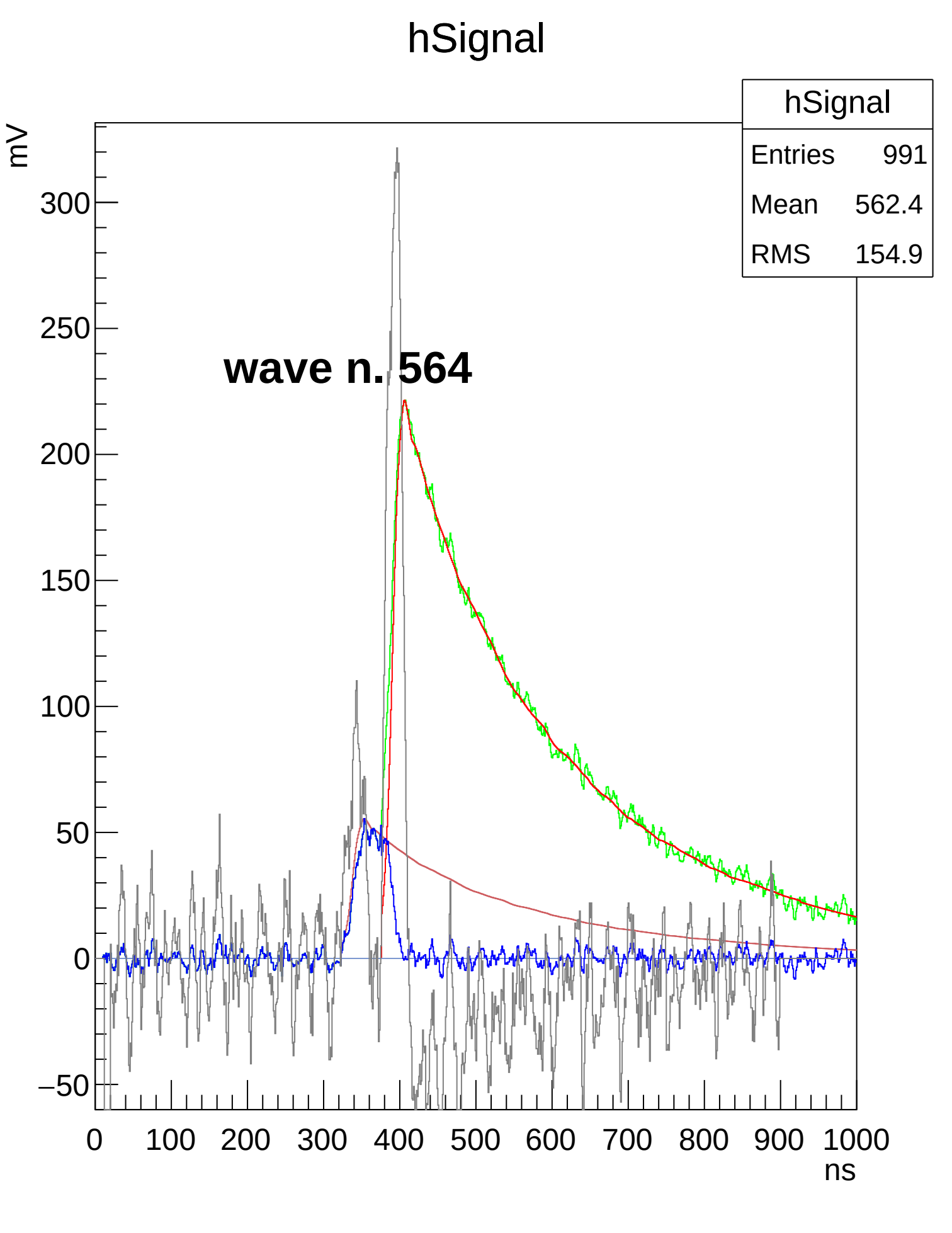

hSignal
hSignal
Entries 991
Mean 563.2
RMS 154.7
wave n. 559
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

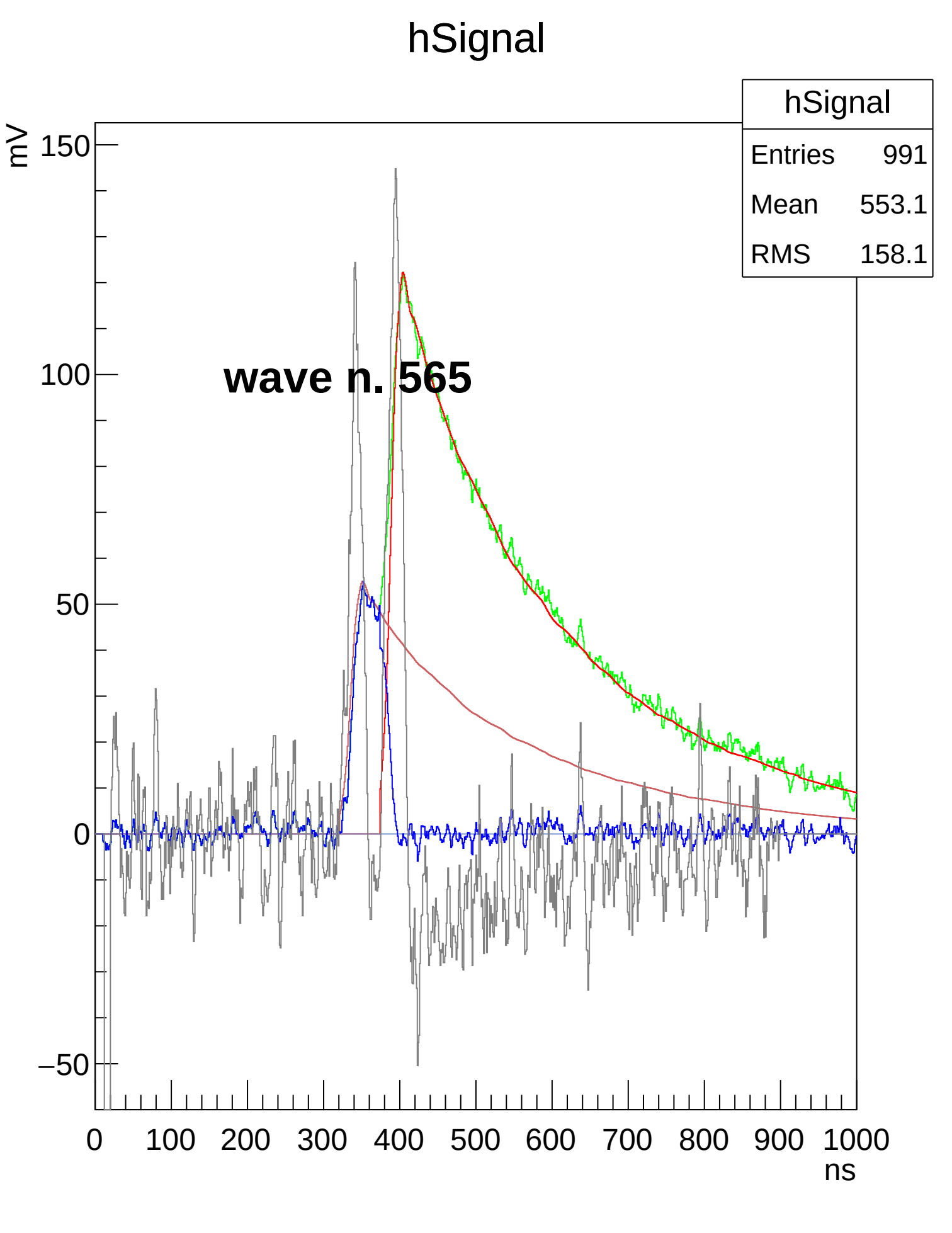

hSignal
hSignal
Entries 991
Mean 573.6
RMS 154
wave n. 560
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

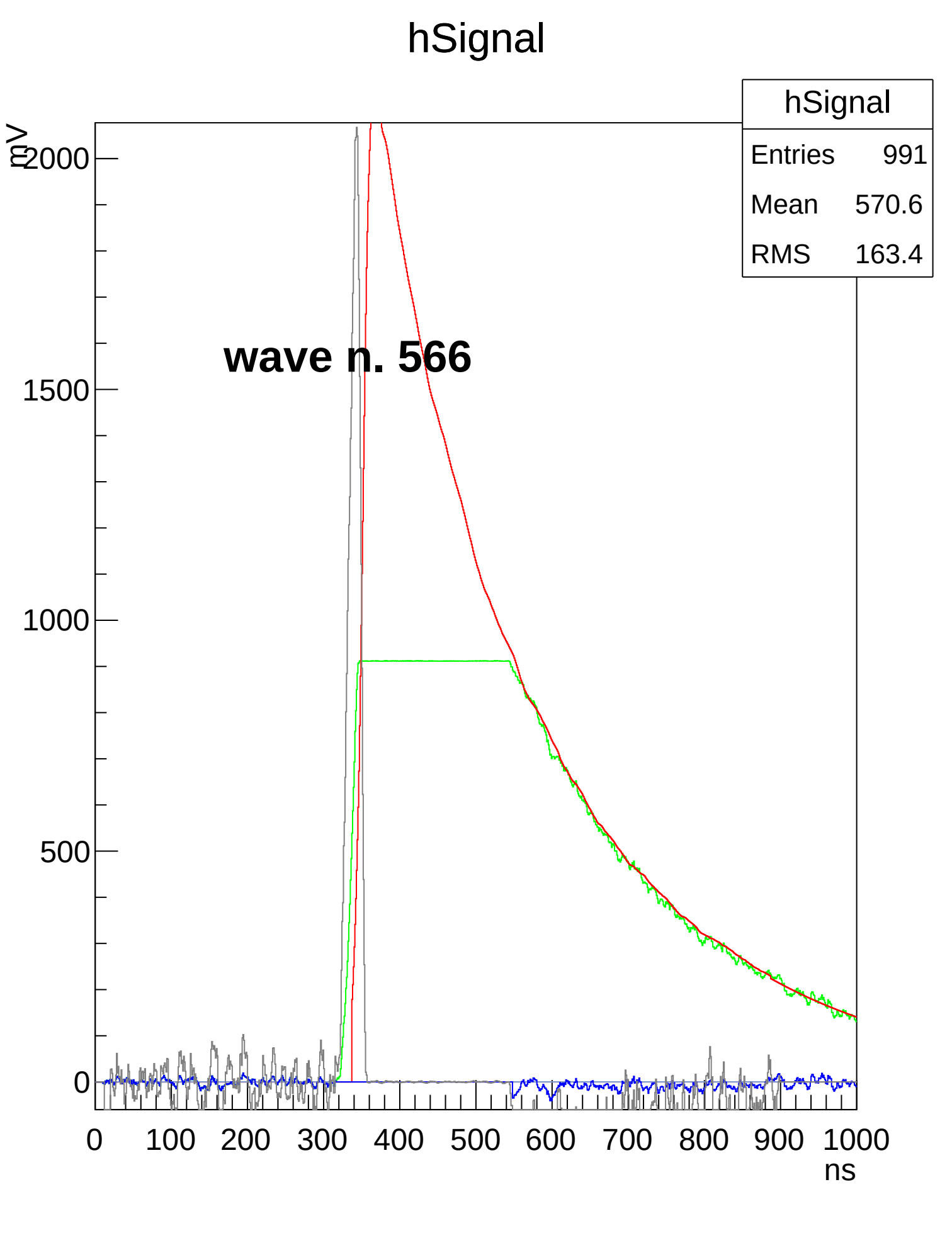

hSignal
hSignal
Entries 991
Mean 561.6
RMS 157.2
wave n. 561
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

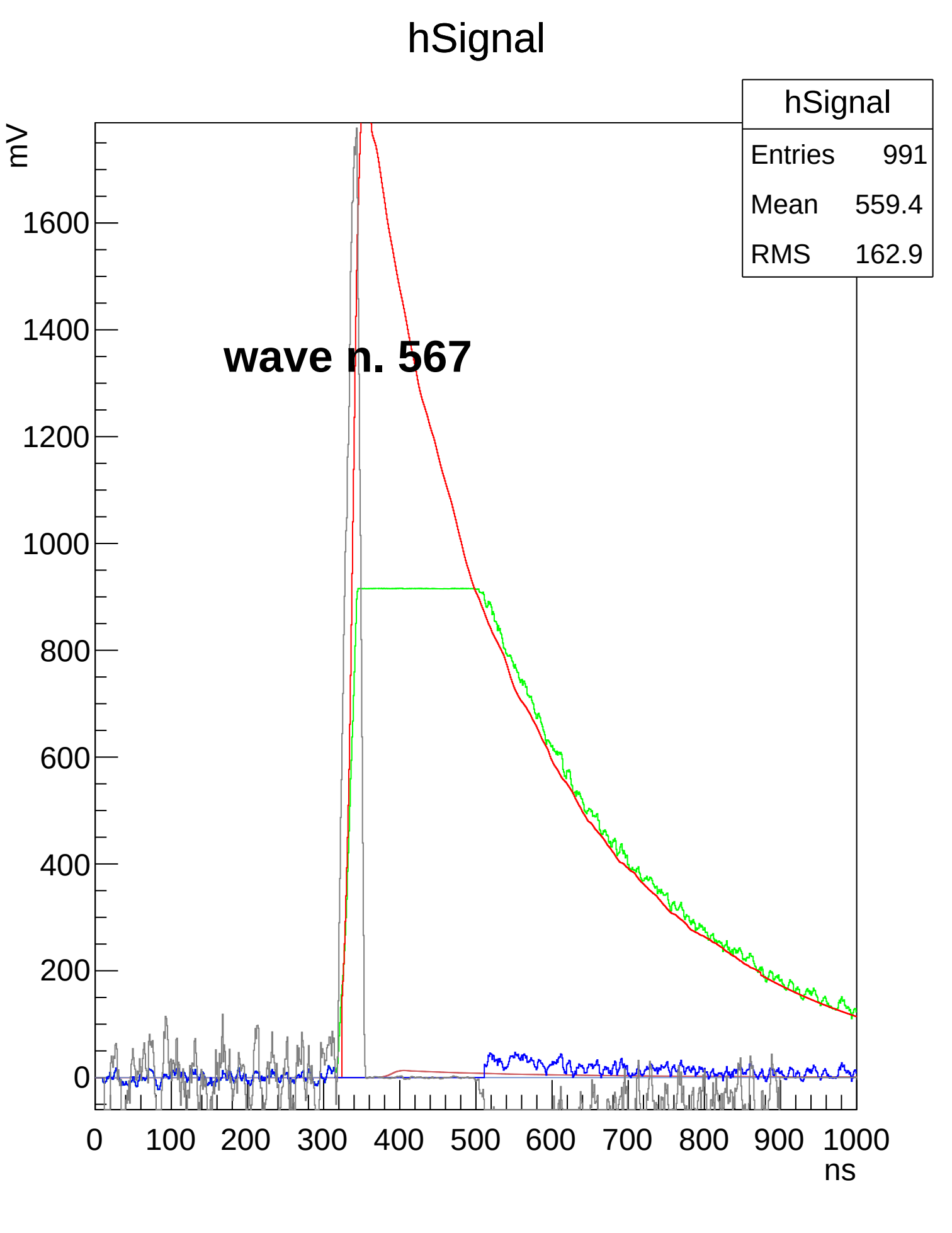

hSignal
hSignal
Entries 991
Mean 586.1
RMS 159.3
wave n. 562
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

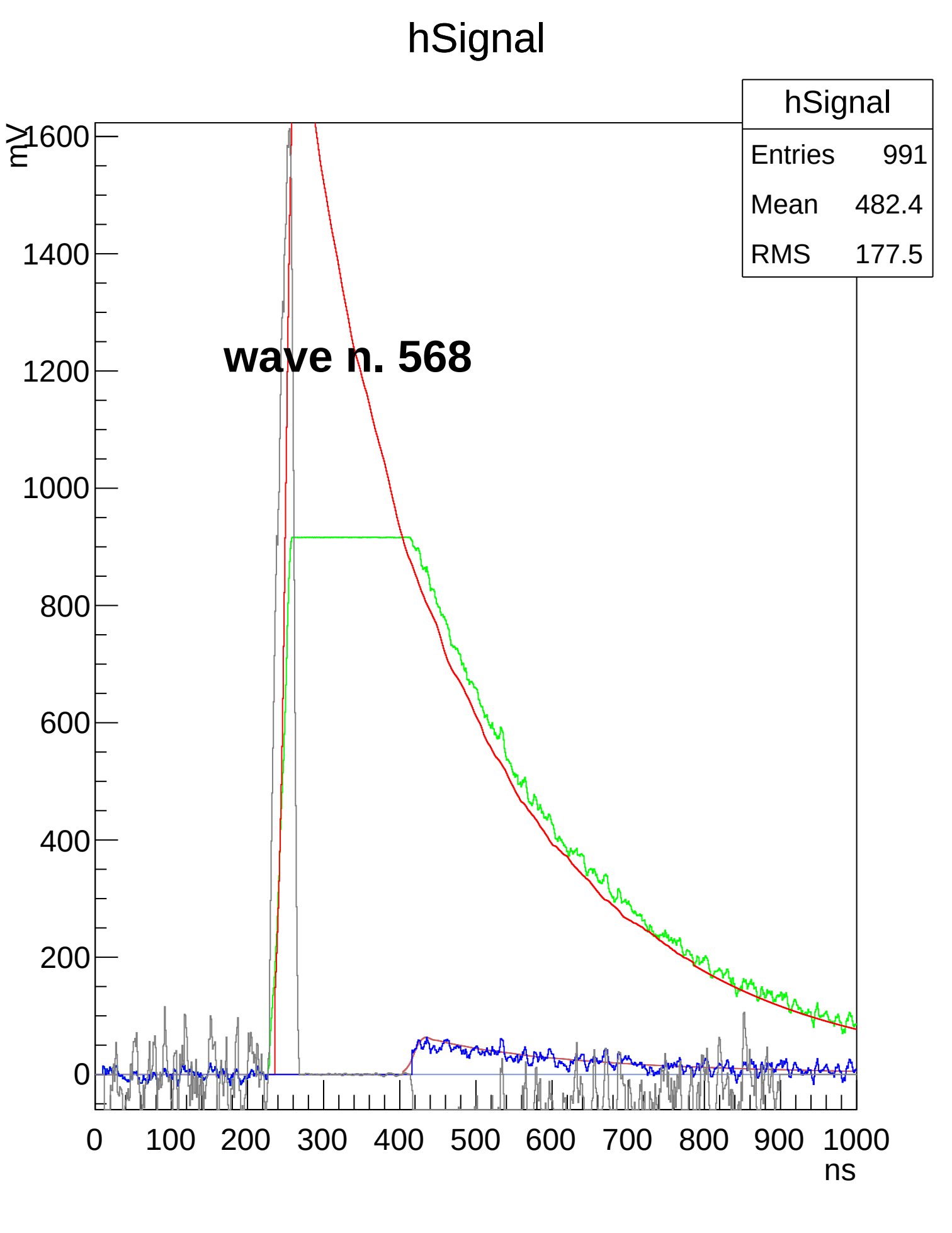

hSignal
hSignal
Entries 991
Mean 568.5
RMS 153.5
wave n. 563
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

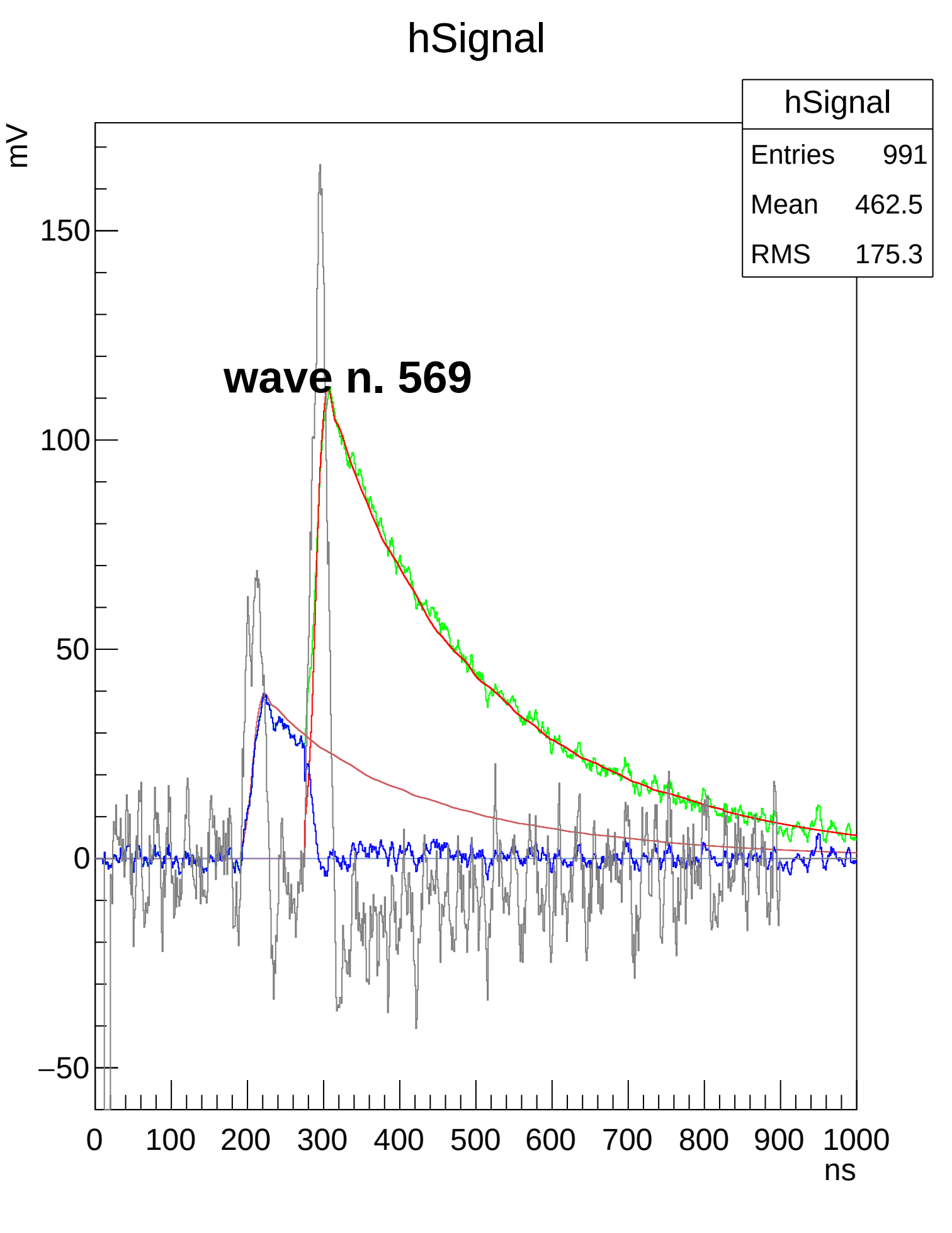

hSignal
hSignal
Entries 991
Mean 562.4
RMS 154.9
wave n. 564
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

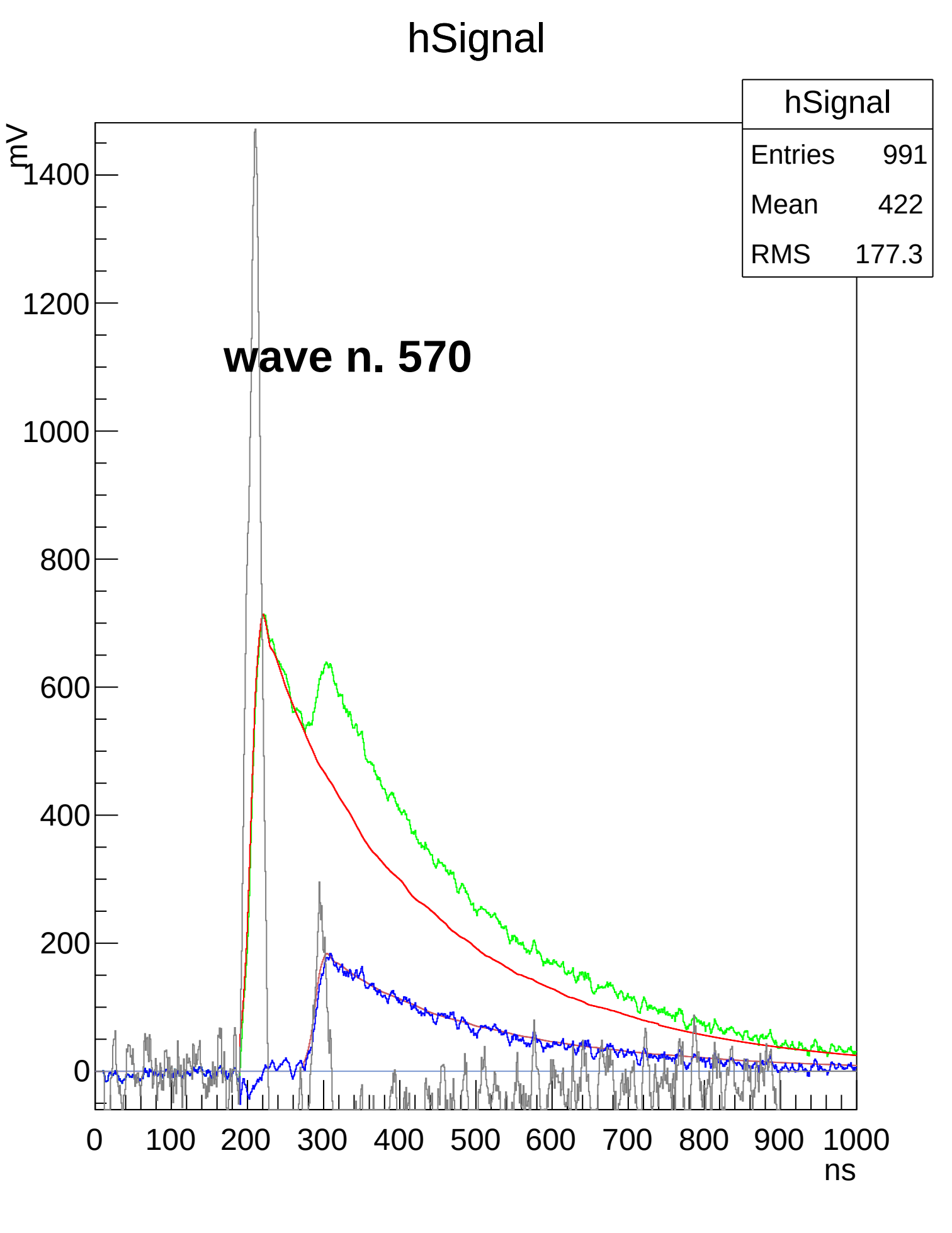

hSignal
hSignal
Entries 991
Mean 553.1
RMS 158.1
wave n. 565
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

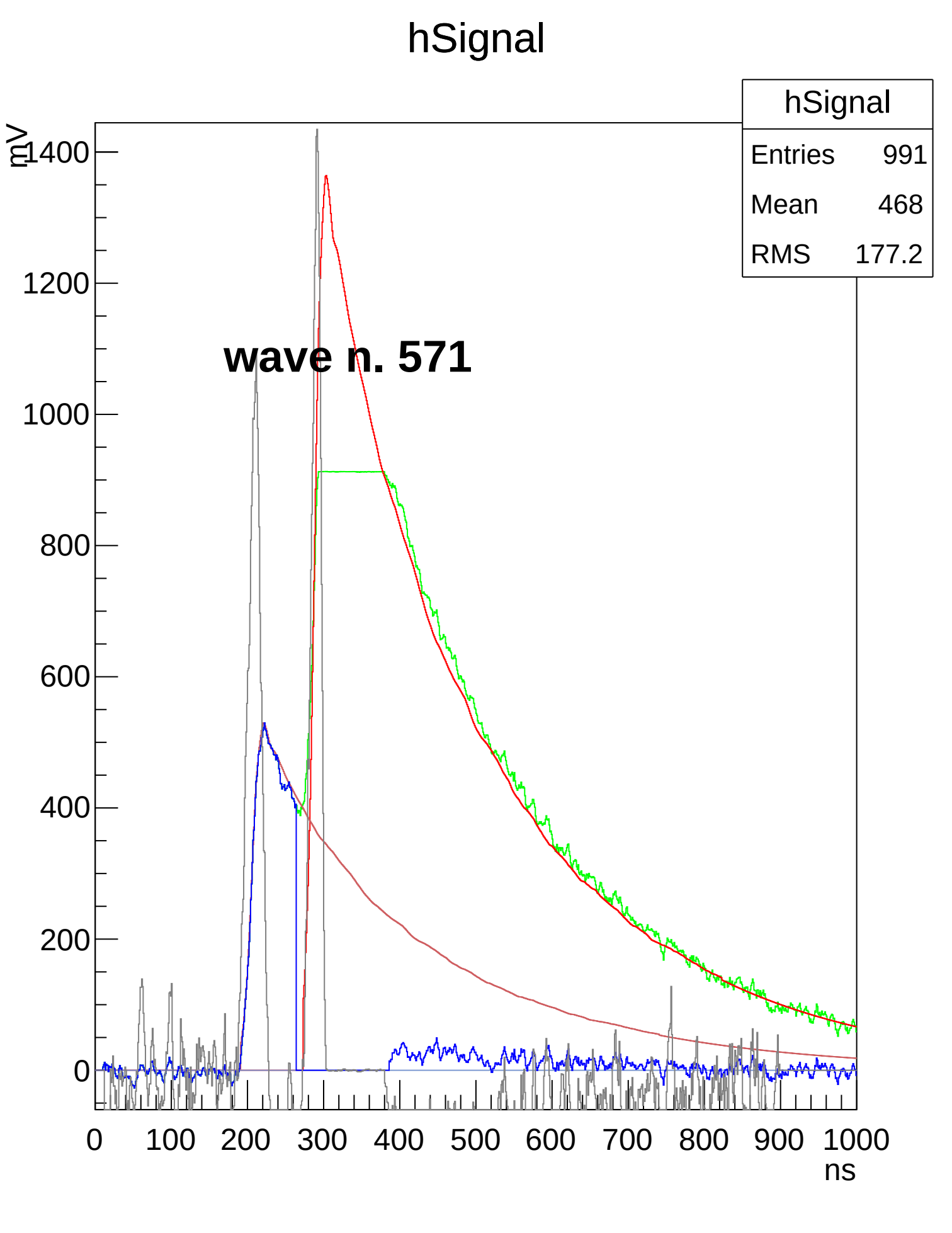

hSignal
hSignal
Entries 991
Mean 570.6
RMS 163.4
wave n. 566
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

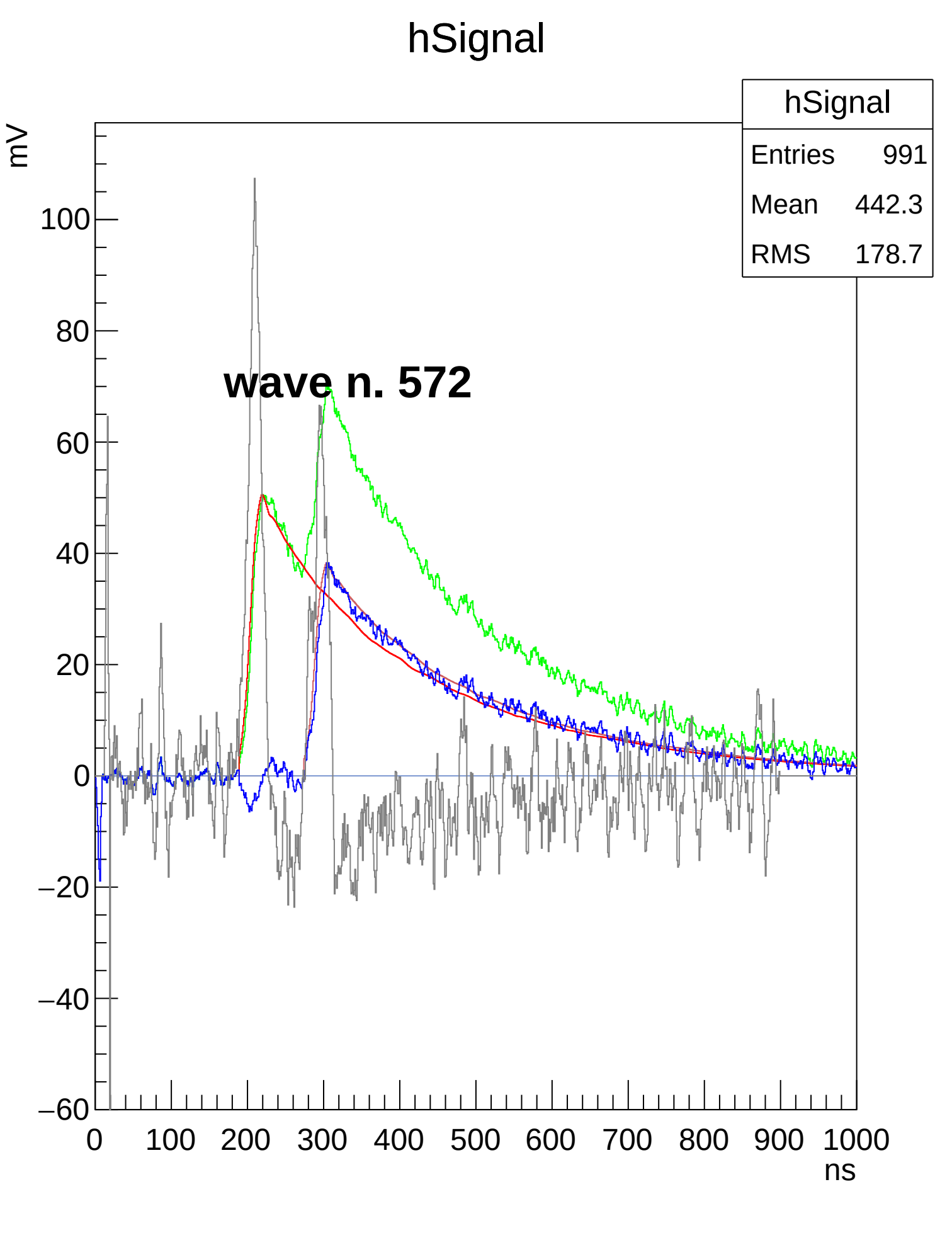

hSignal
hSignal
Entries 991
Mean 559.4
RMS 162.9
wave n. 567
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

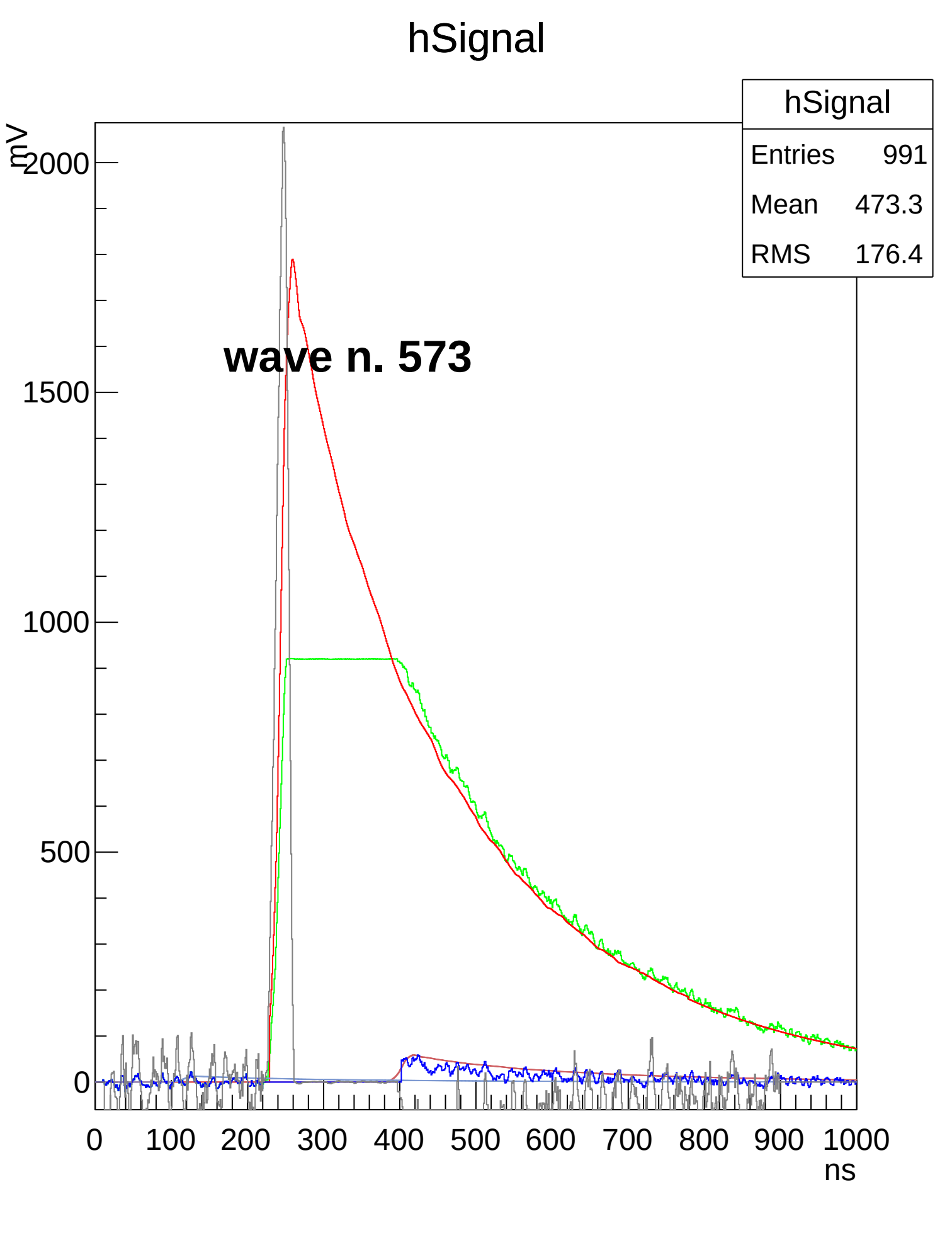

hSignal
hSignal
Entries 991
Mean 482.4
RMS 177.5
wave n. 568
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

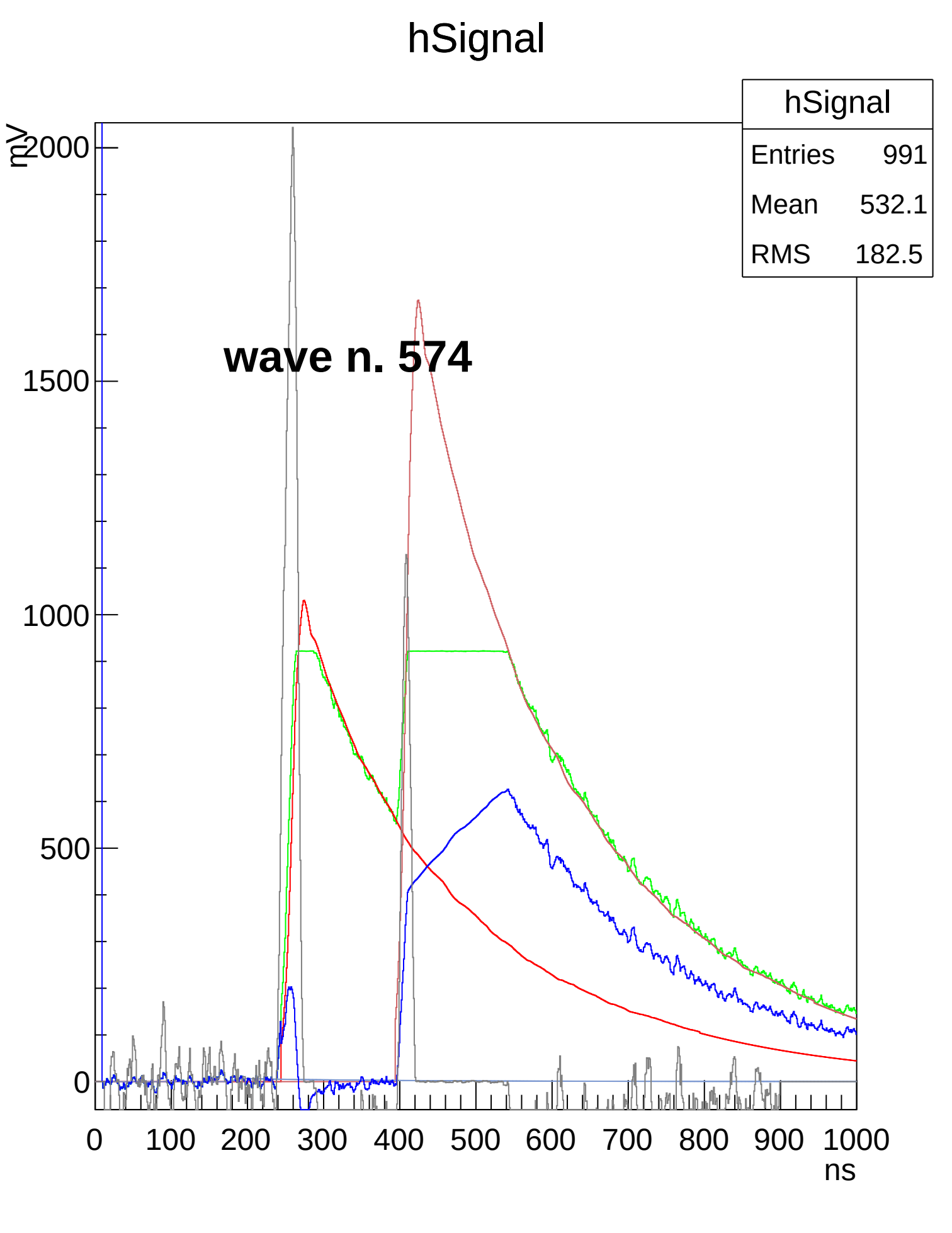

hSignal
hSignal
Entries 991
Mean 462.5
RMS 175.3
wave n. 569
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

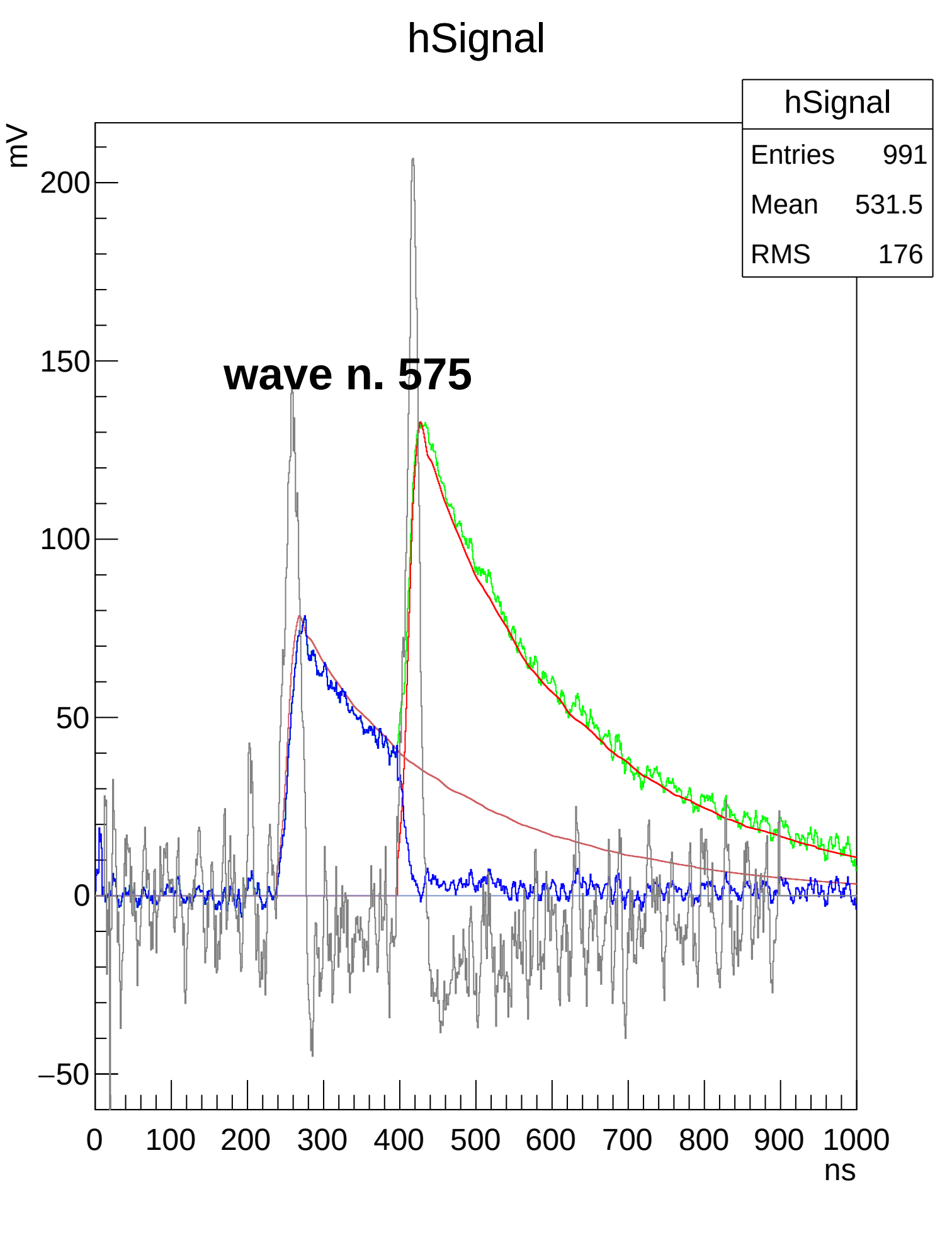

hSignal
hSignal
Entries 991
Mean 422
RMS 177.3
wave n. 570
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

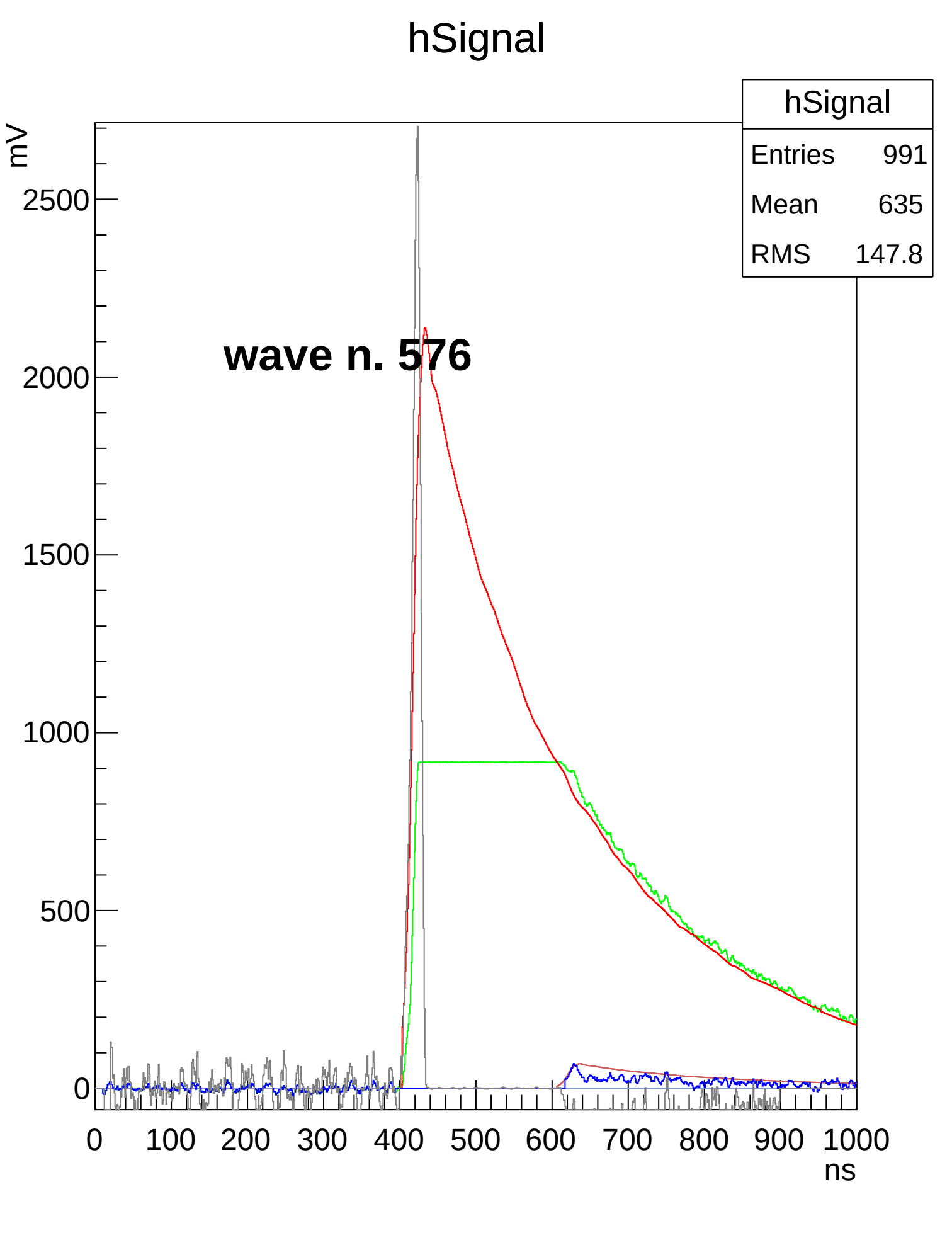

hSignal
hSignal
Entries 991
Mean 468
RMS 177.2
wave n. 571
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

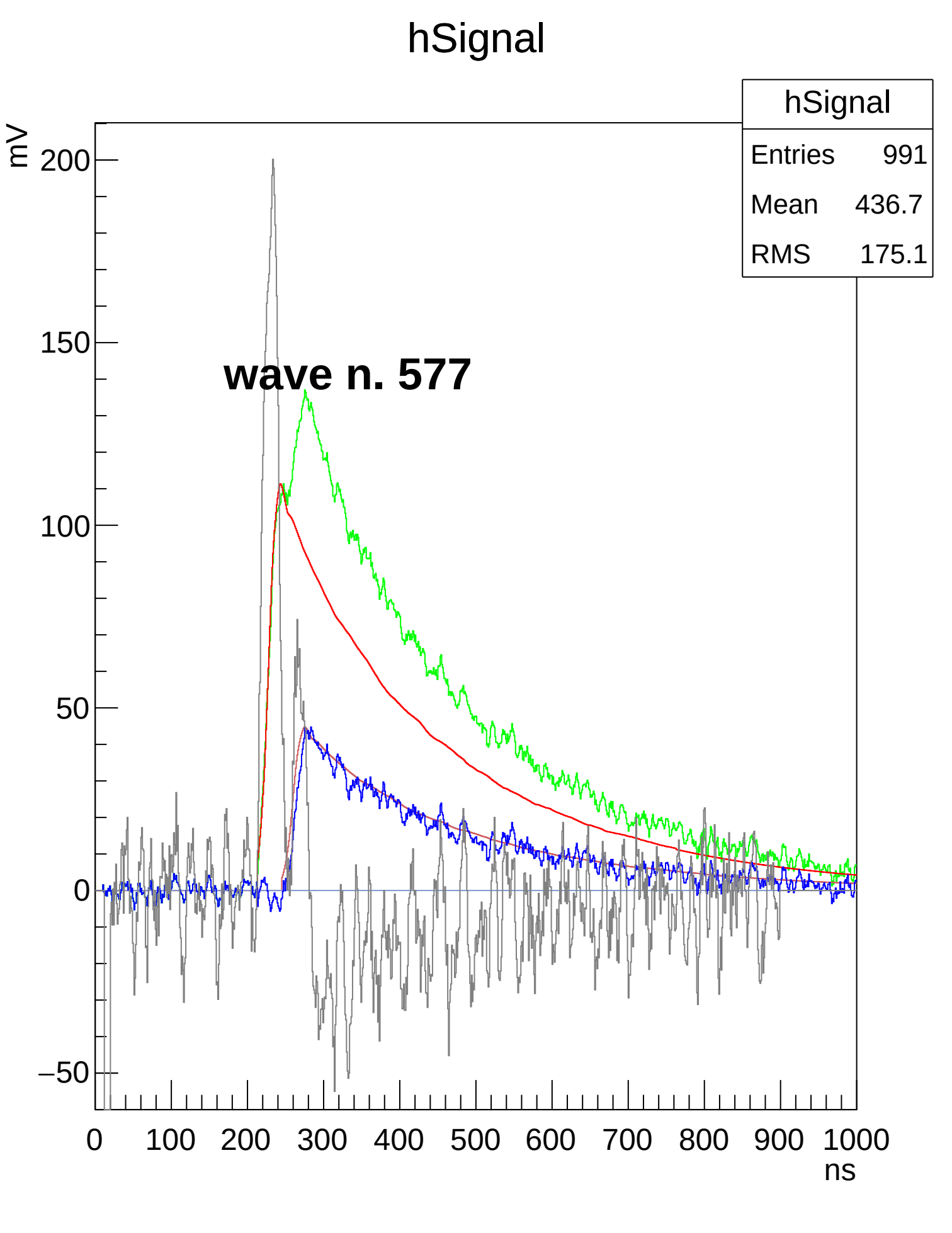

hSignal
hSignal
Entries 991
Mean 442.3
RMS 178.7
wave n. 572
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

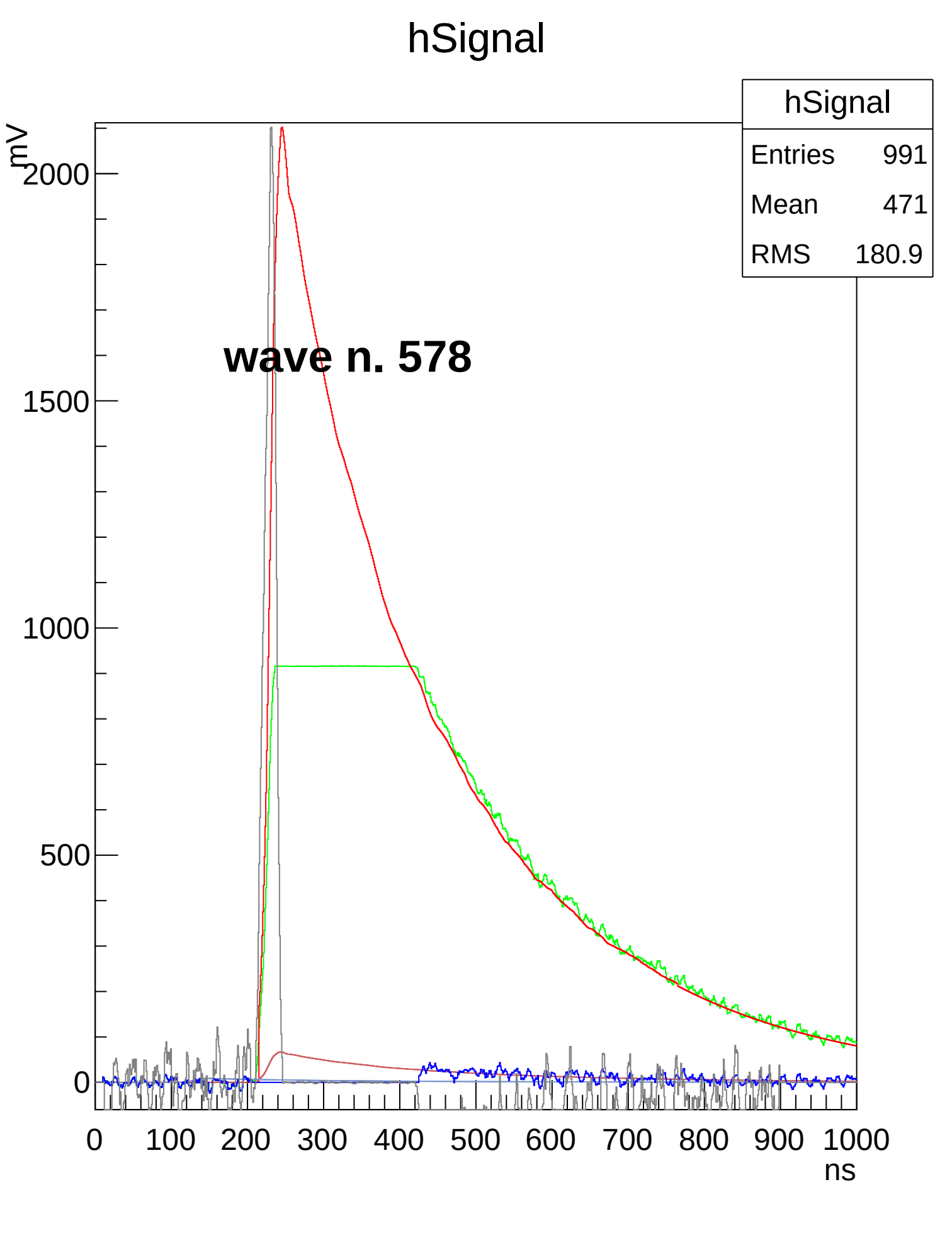

hSignal
hSignal
Entries 991
Mean 473.3
RMS 176.4
wave n. 573
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

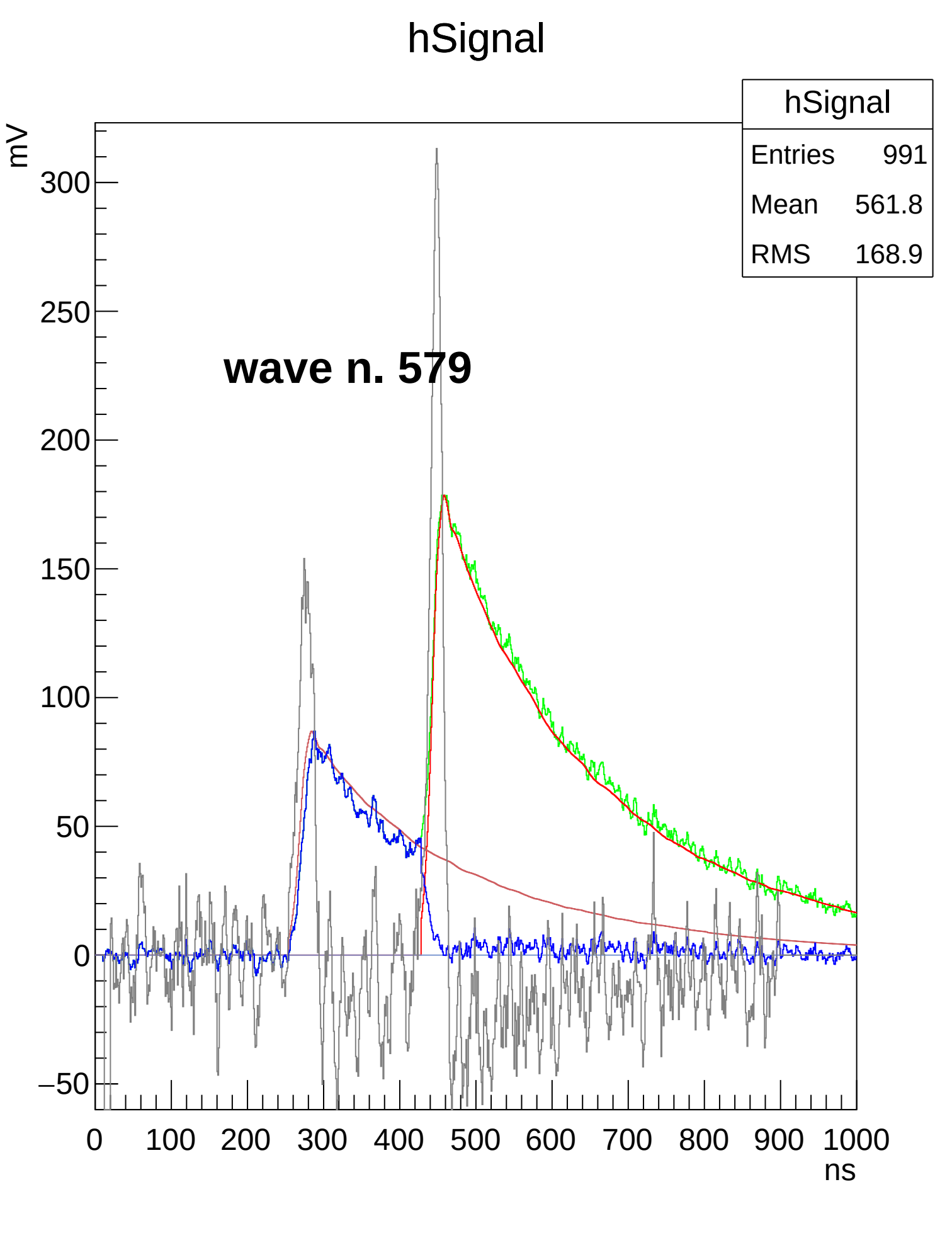

hSignal
hSignal
Entries 991
Mean 532.1
RMS 182.5
wave n. 574
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

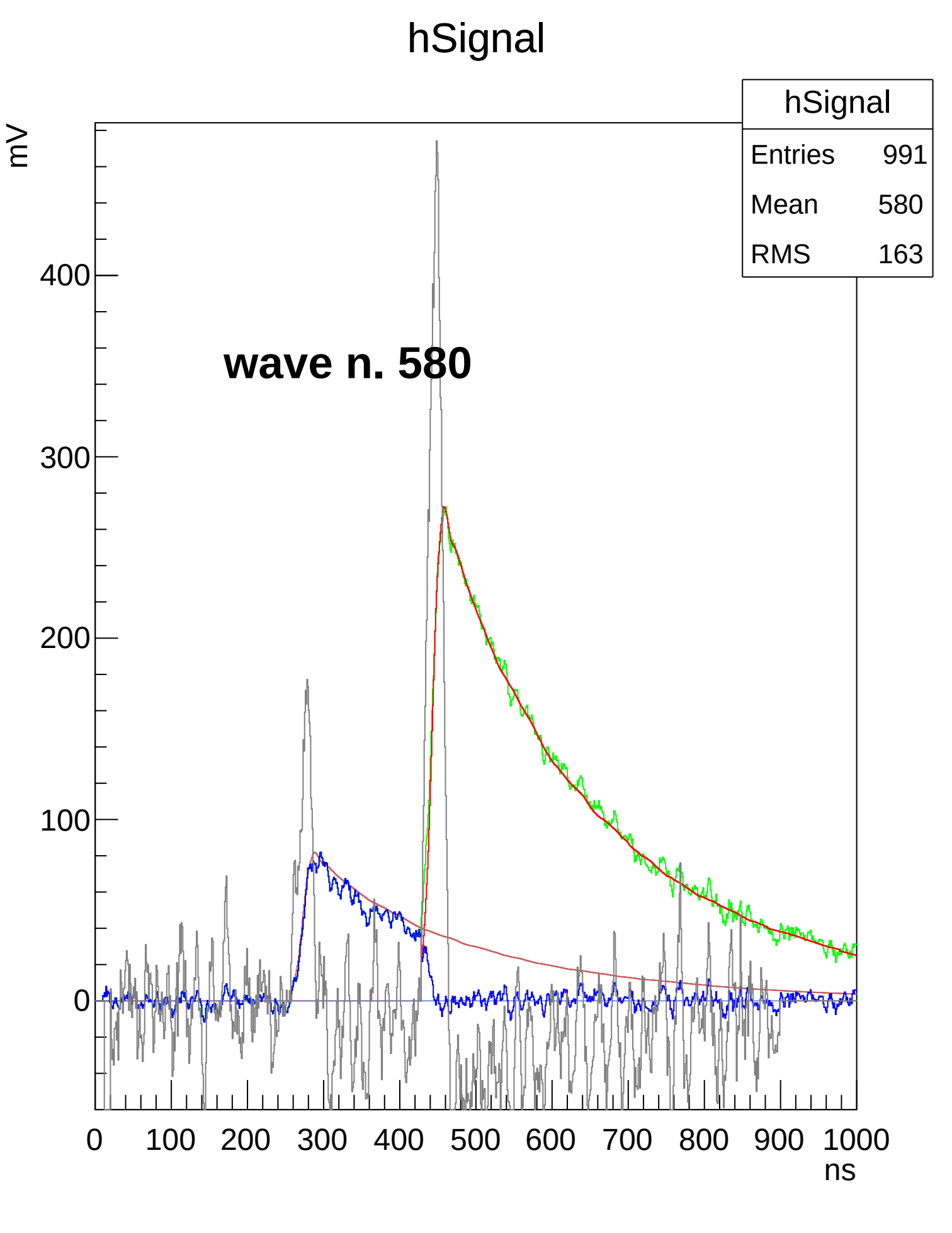

hSignal
hSignal
Entries 991
Mean 531.5
RMS 176
wave n. 575
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

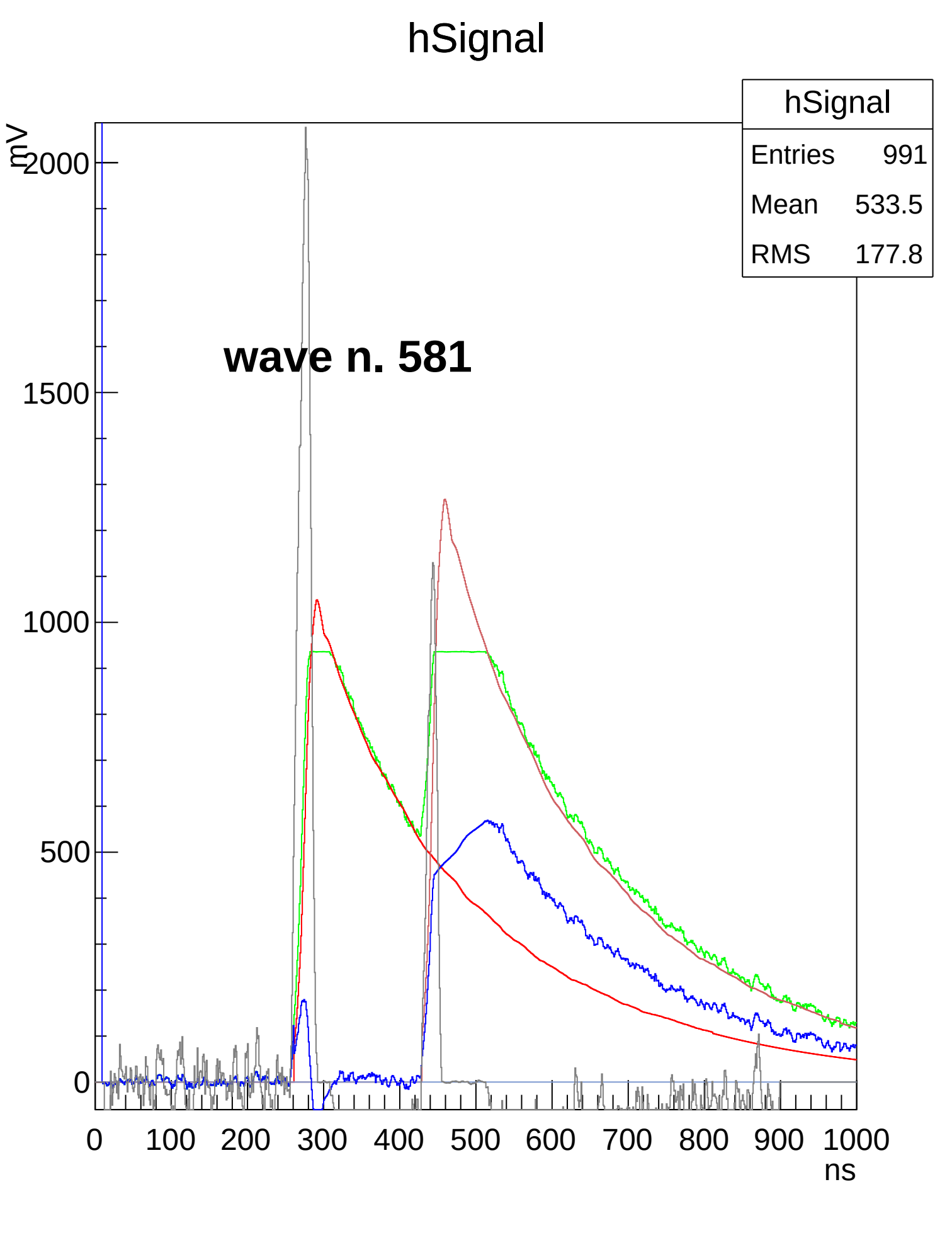

hSignal
hSignal
Entries 991
Mean 635
RMS 147.8
wave n. 576
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

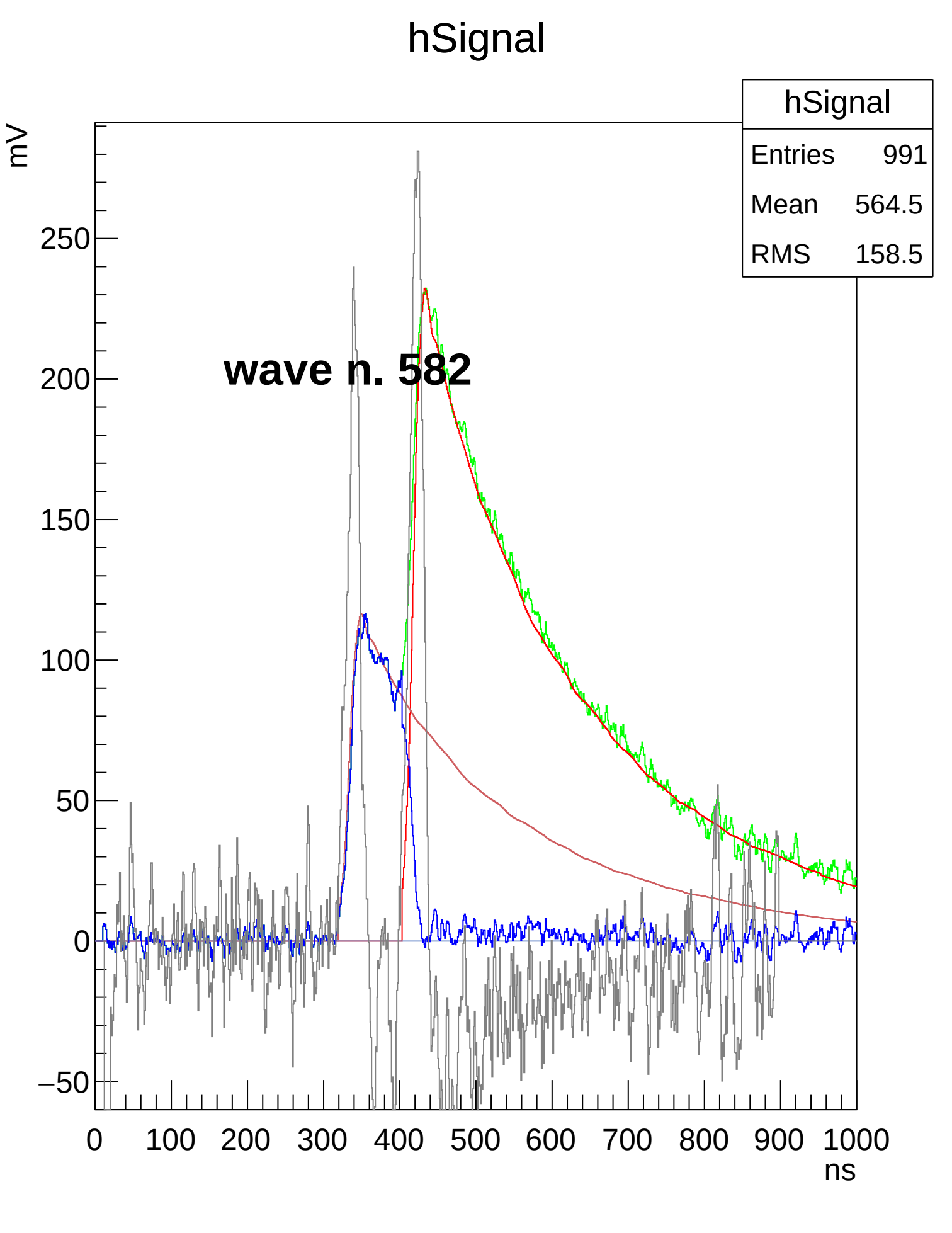

hSignal
hSignal
Entries 991
Mean 436.7
RMS 175.1
wave n. 577
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

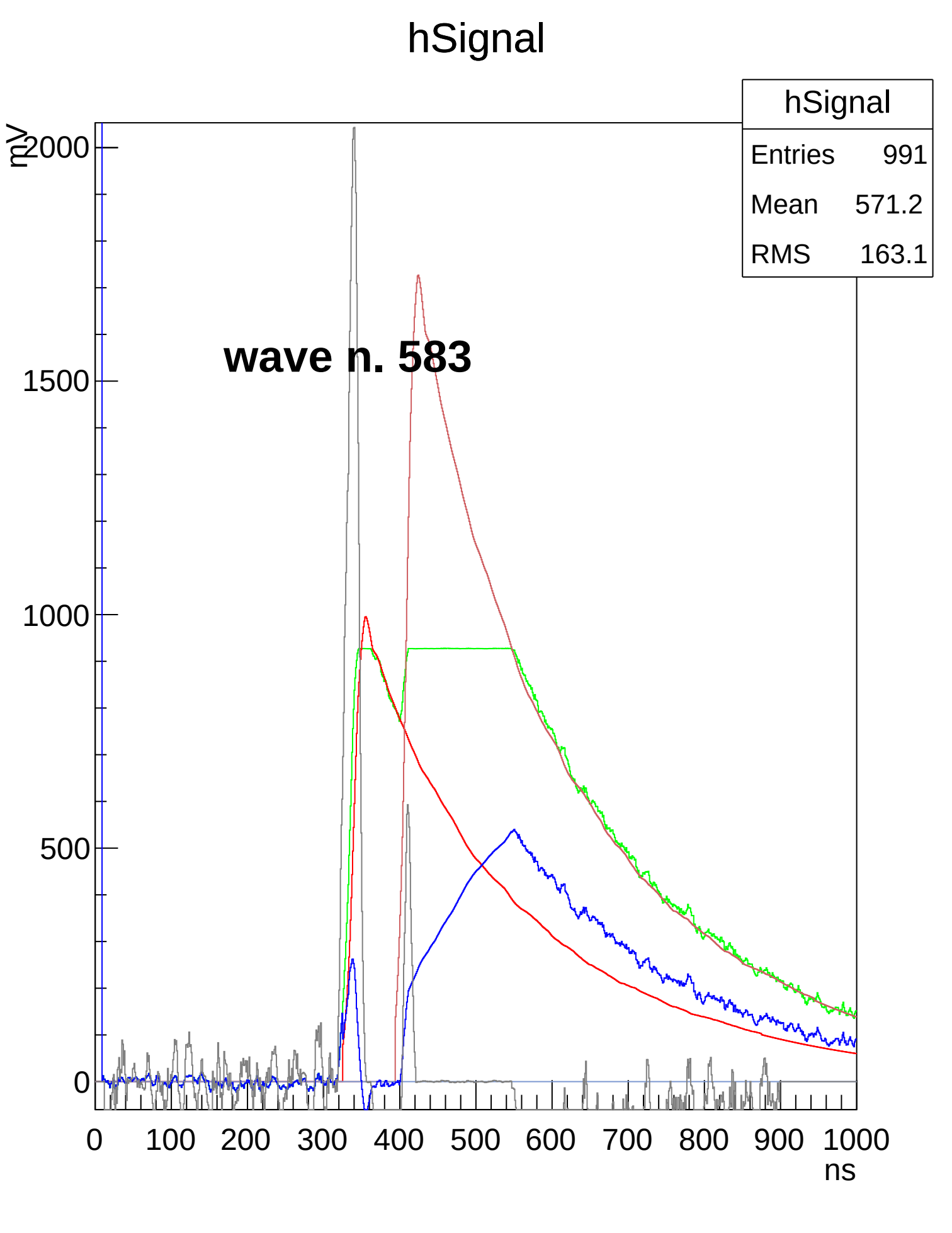

hSignal
hSignal
Entries 991
Mean 471
RMS 180.9
wave n. 578
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

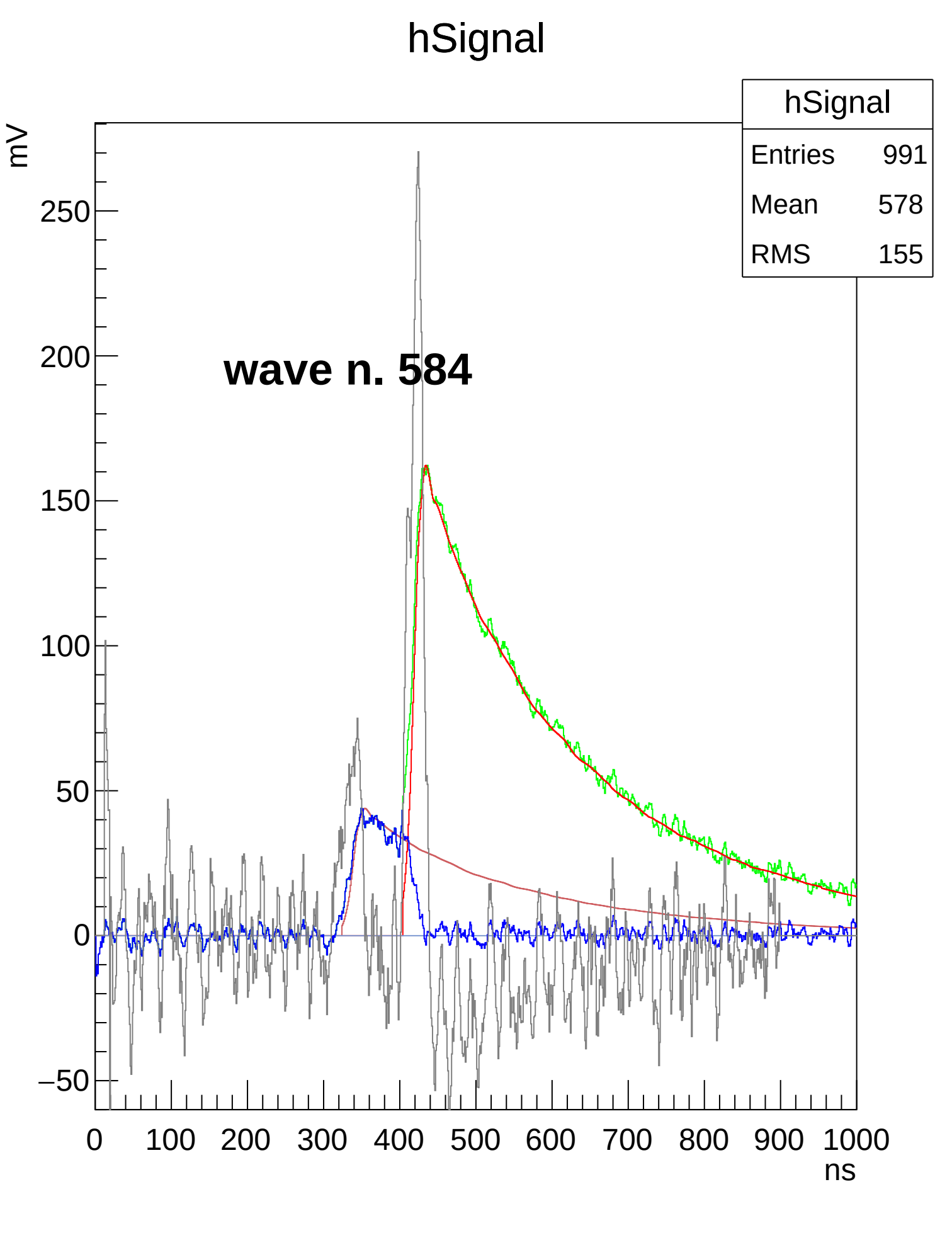

hSignal
hSignal
Entries 991
Mean 561.8
RMS 168.9
wave n. 579
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

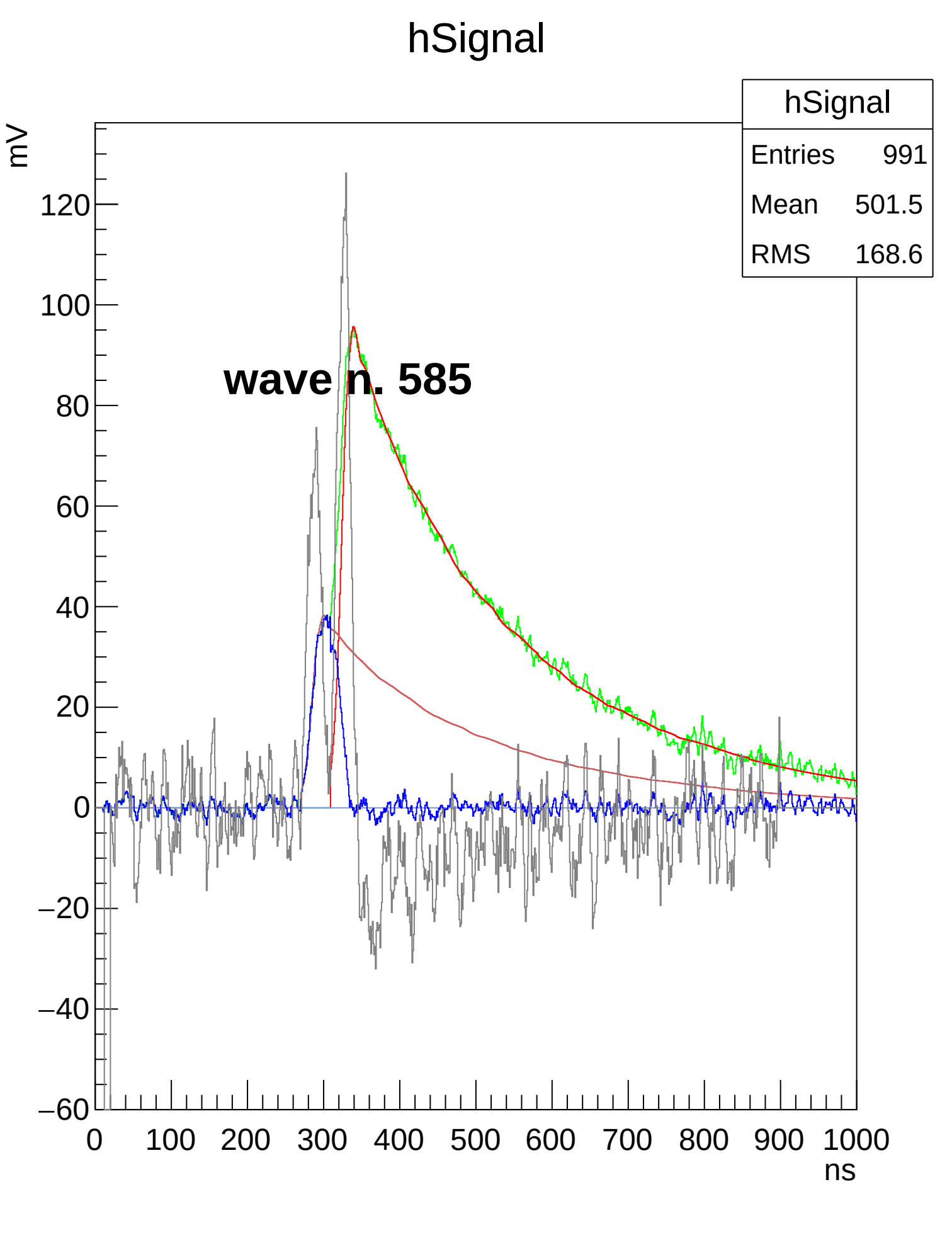

hSignal
hSignal
Entries 991
Mean 580
RMS 163
wave n. 580
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

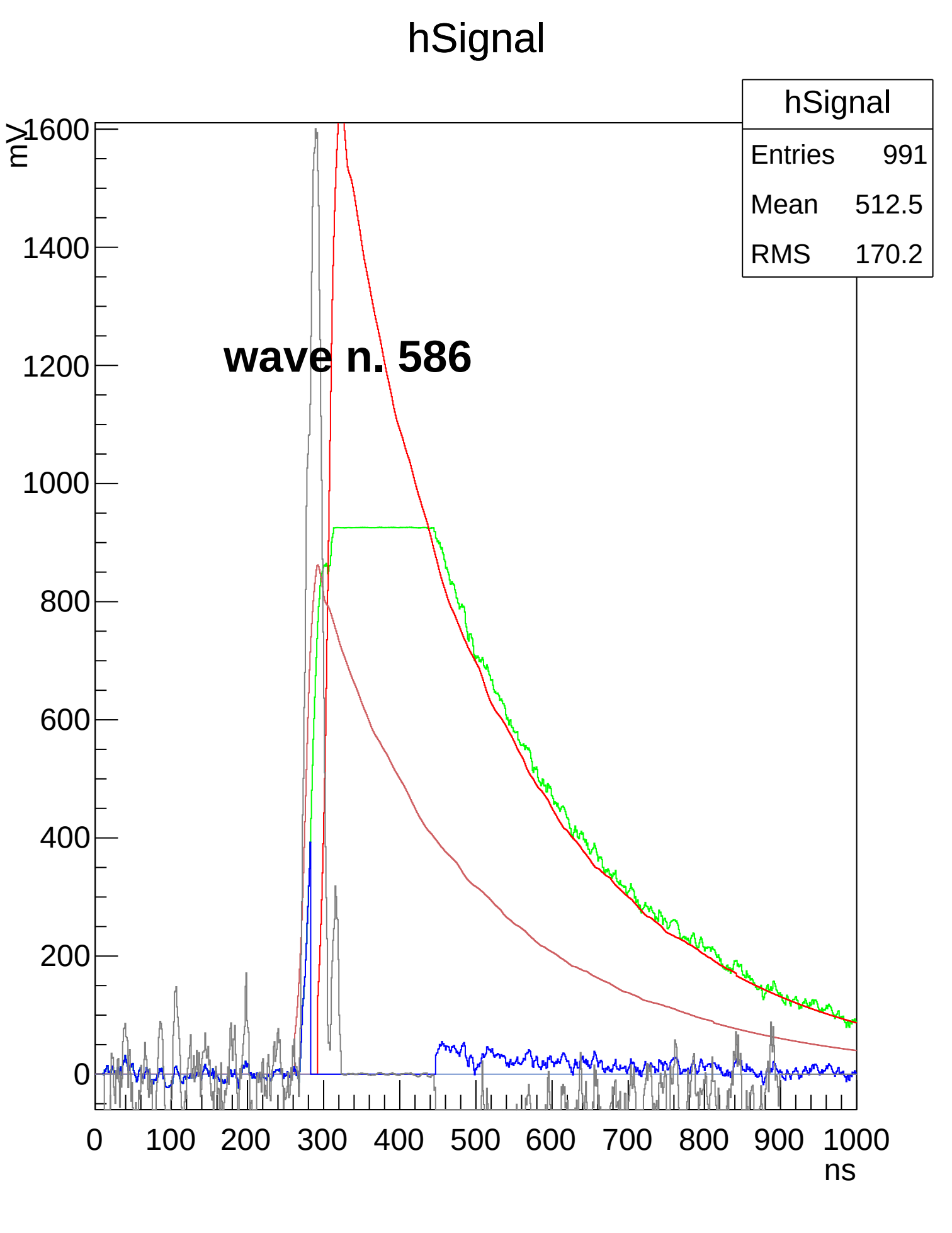

hSignal
hSignal
Entries 991
Mean 533.5
RMS 177.8
wave n. 581
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

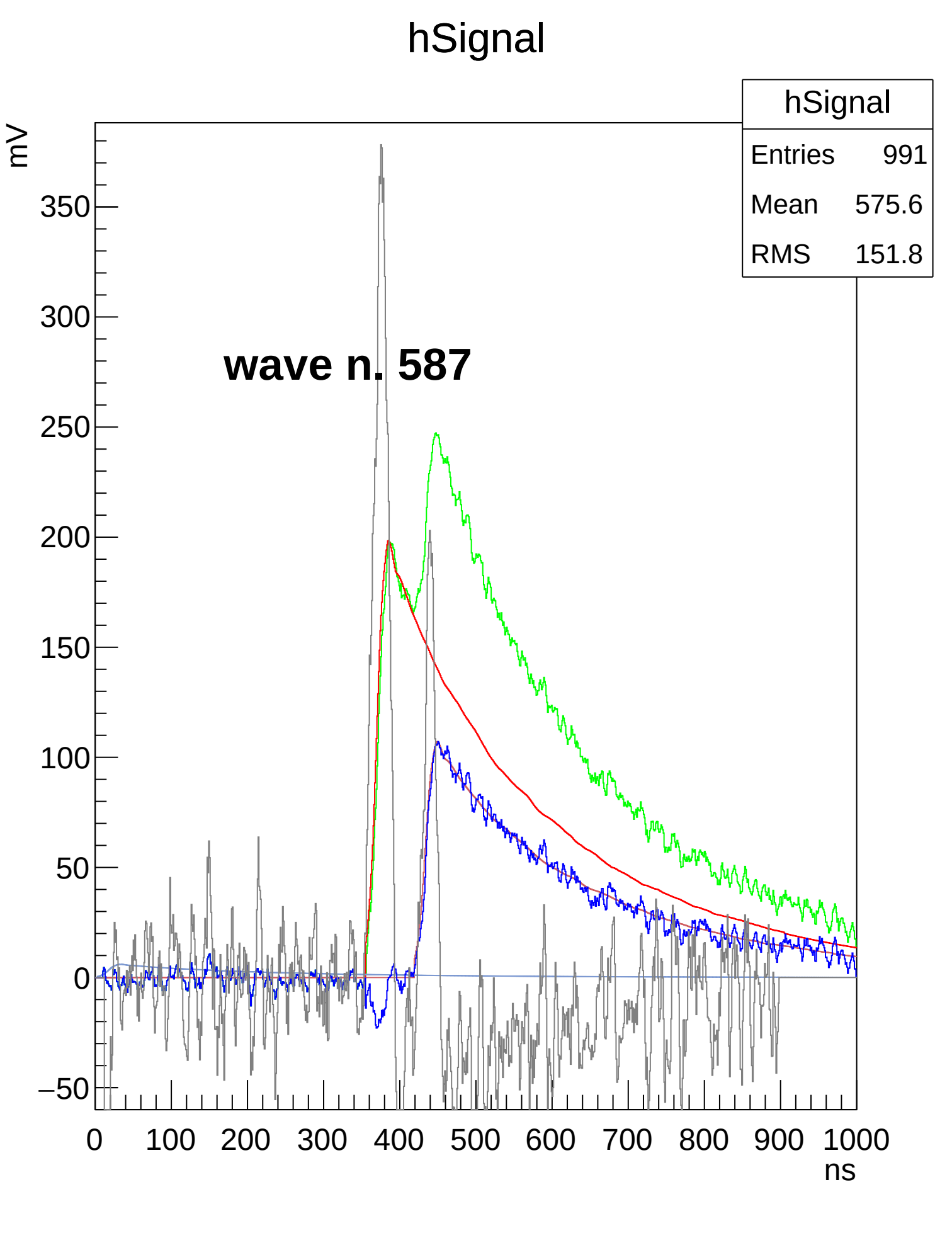

hSignal
hSignal
Entries 991
Mean 564.5
RMS 158.5
wave n. 582
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

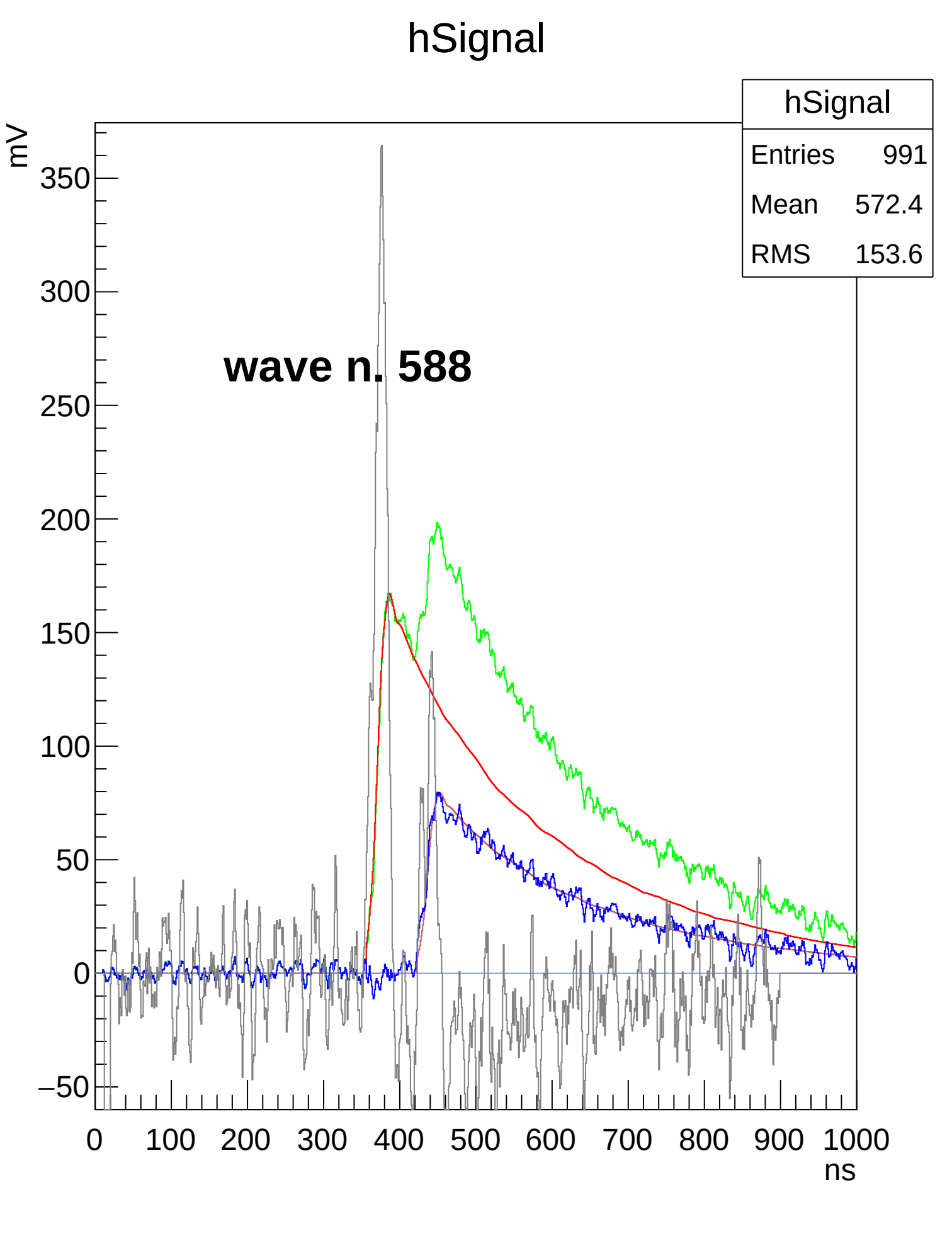

hSignal
hSignal
Entries 991
Mean 571.2
RMS 163.1
wave n. 583
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

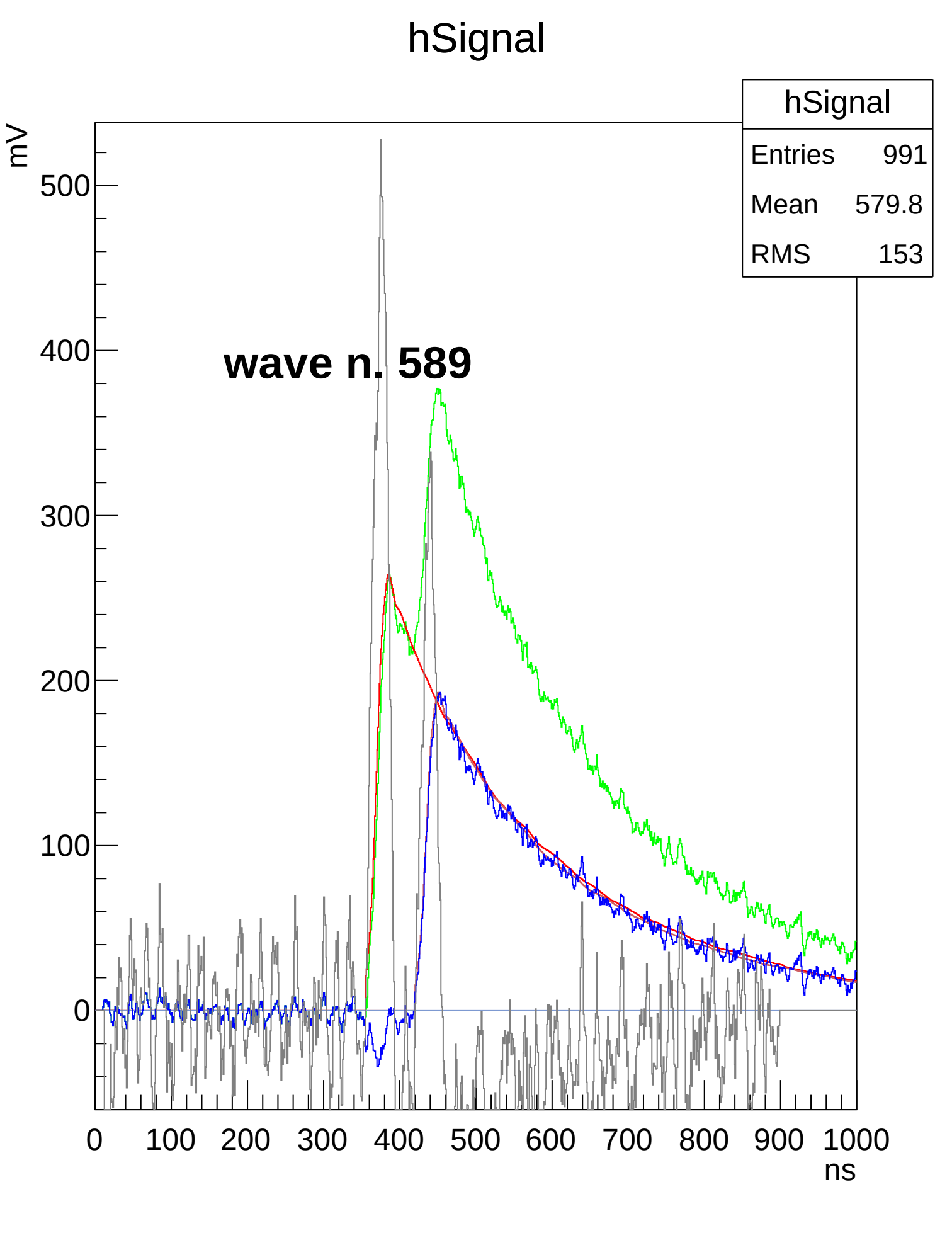

hSignal
hSignal
Entries 991
Mean 578
RMS 155
wave n. 584
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

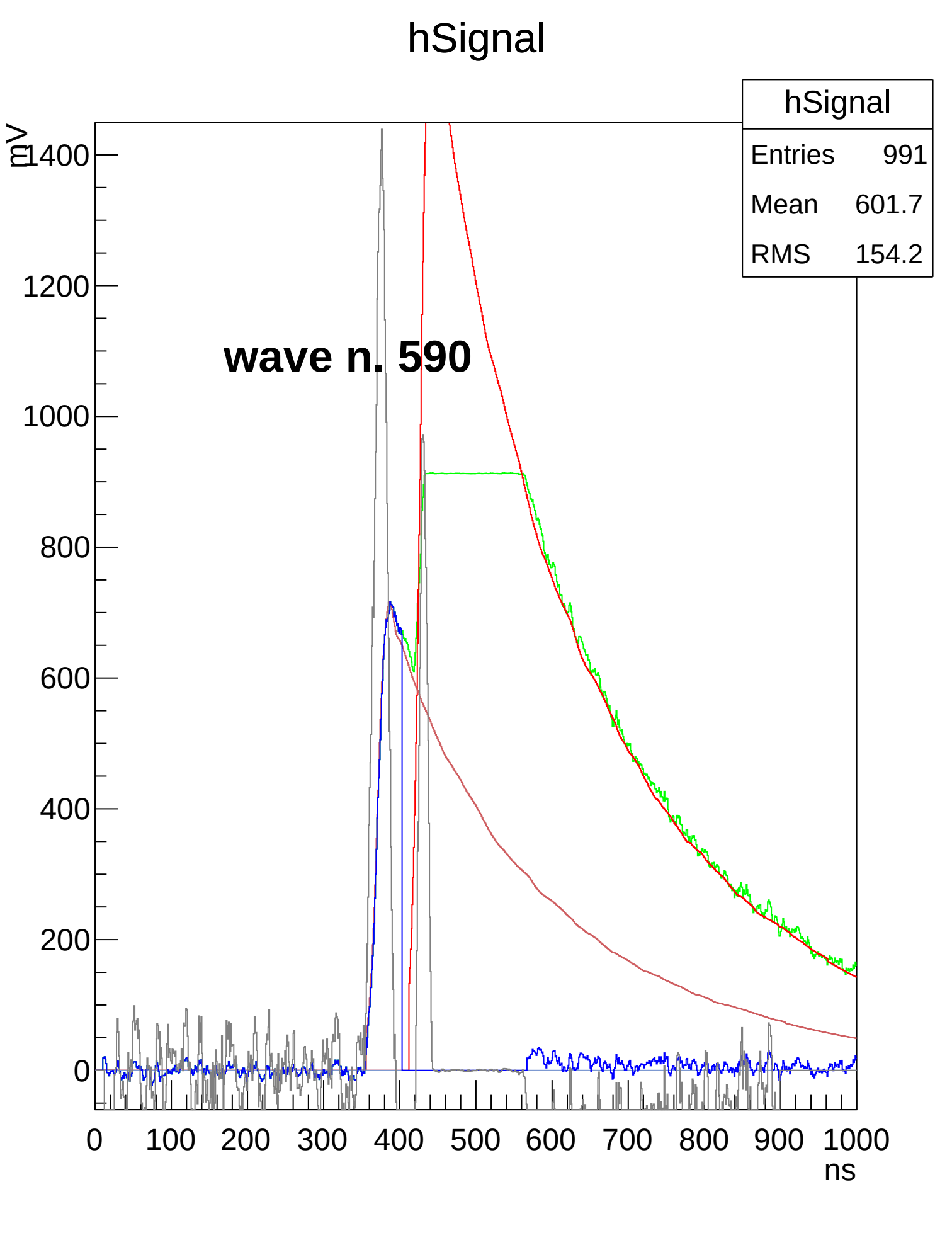

hSignal
hSignal
Entries 991
Mean 501.5
RMS 168.6
wave n. 585
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

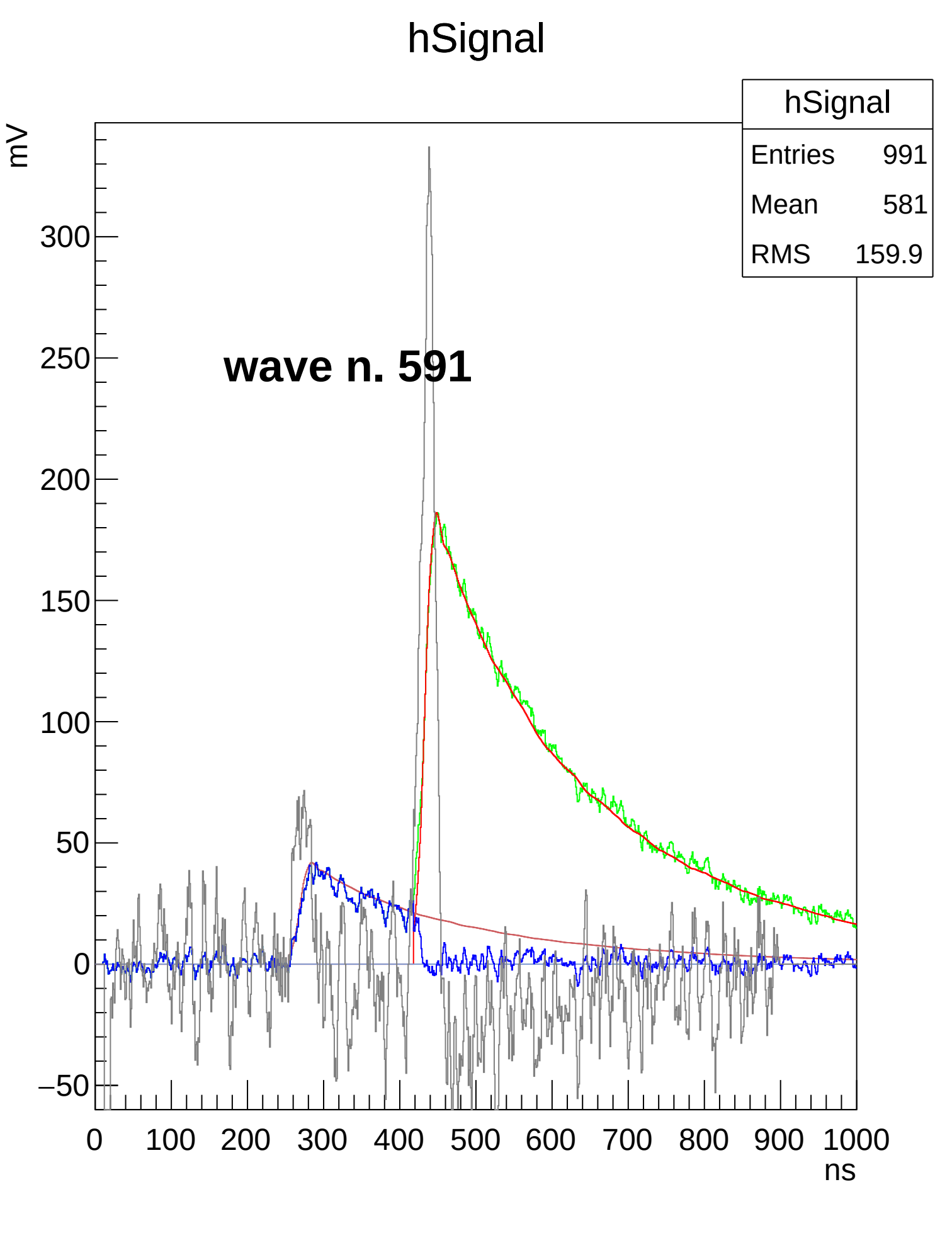

hSignal
hSignal
Entries 991
Mean 512.5
RMS 170.2
wave n. 586
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

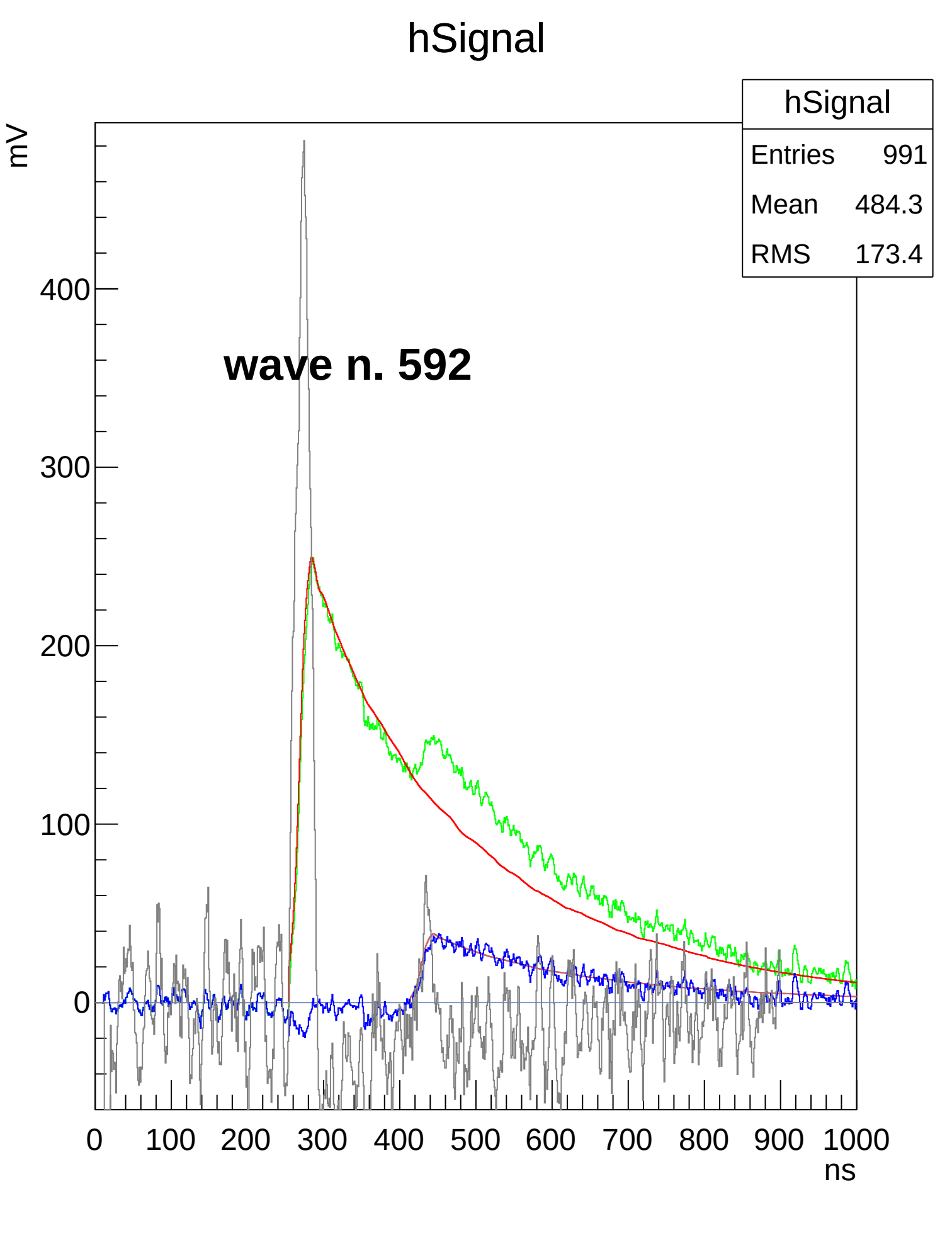

hSignal
hSignal
Entries 991
Mean 575.6
RMS 151.8
wave n. 587
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

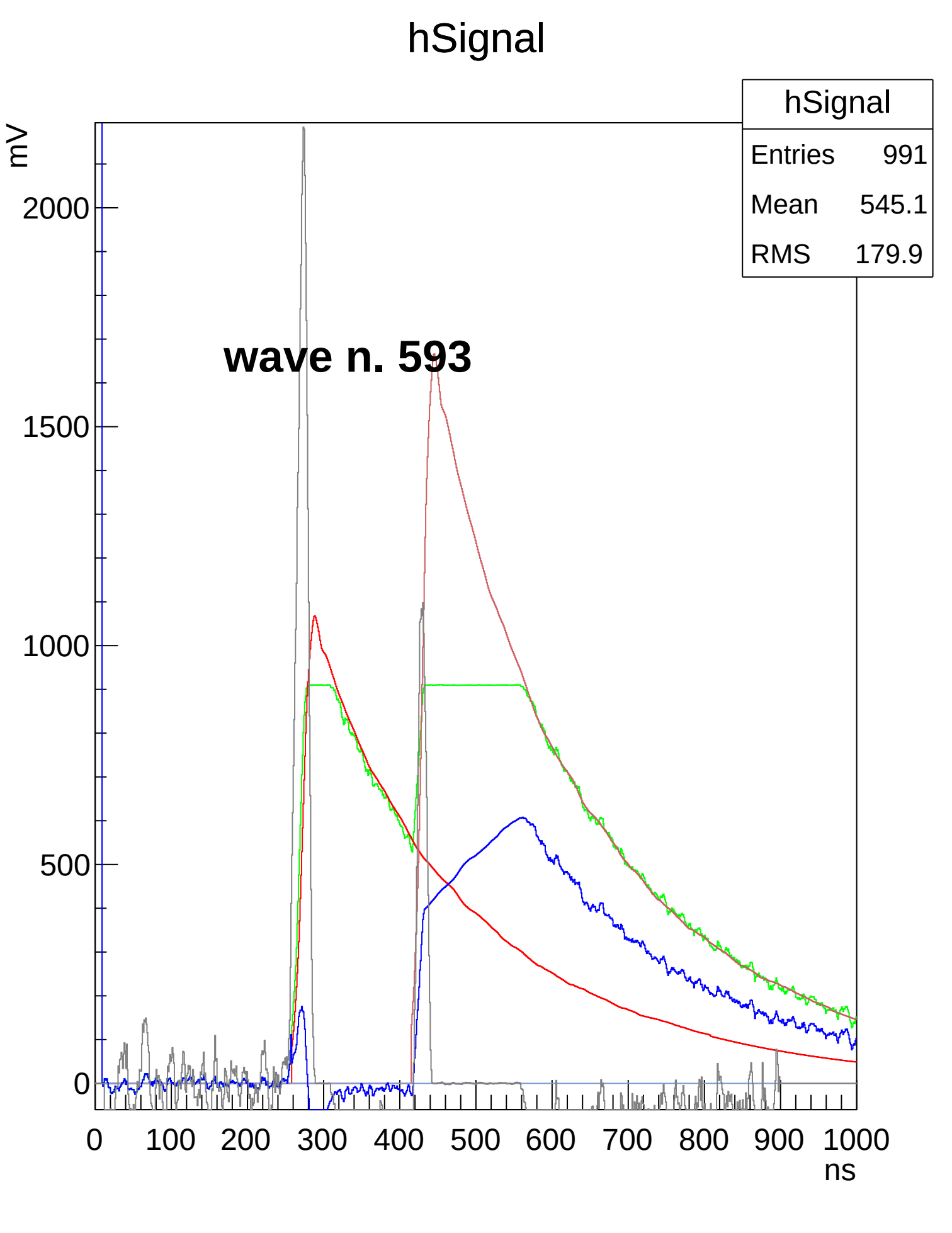

hSignal
hSignal
Entries 991
Mean 572.4
RMS 153.6
wave n. 588
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

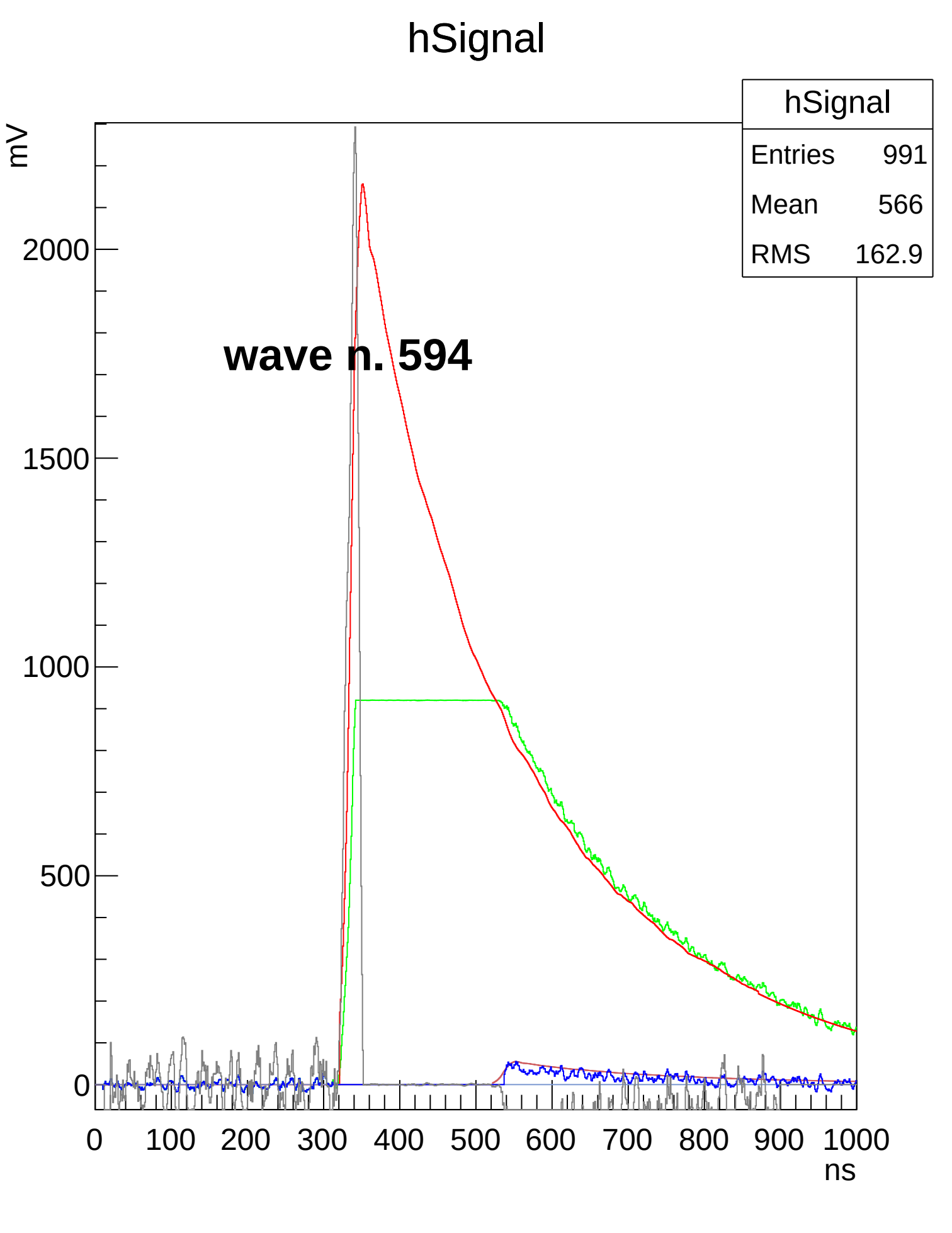

hSignal
hSignal
Entries 991
Mean 579.8
RMS 153
wave n. 589
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

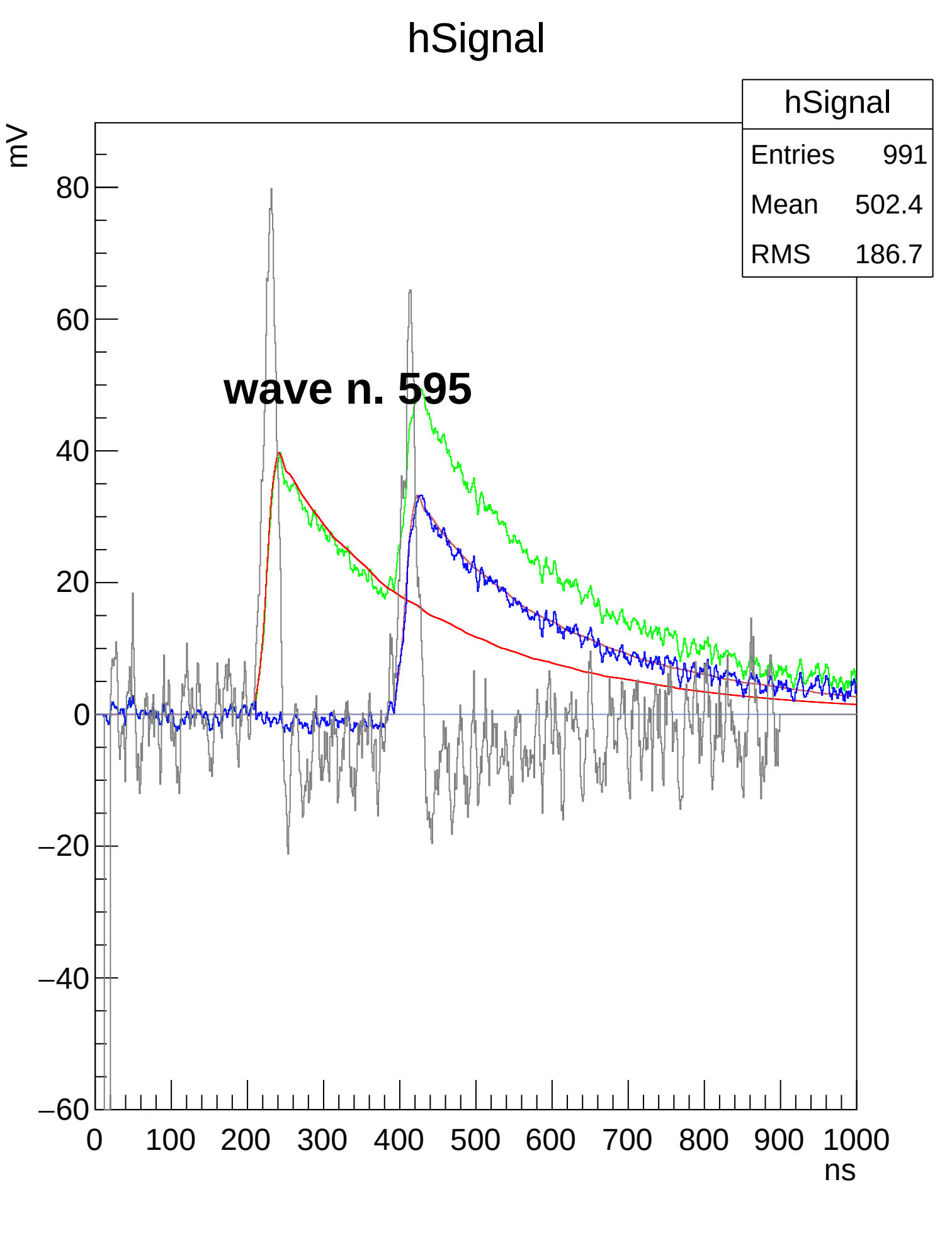

hSignal
hSignal
Entries 991
Mean 601.7
RMS 154.2
wave n. 590
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

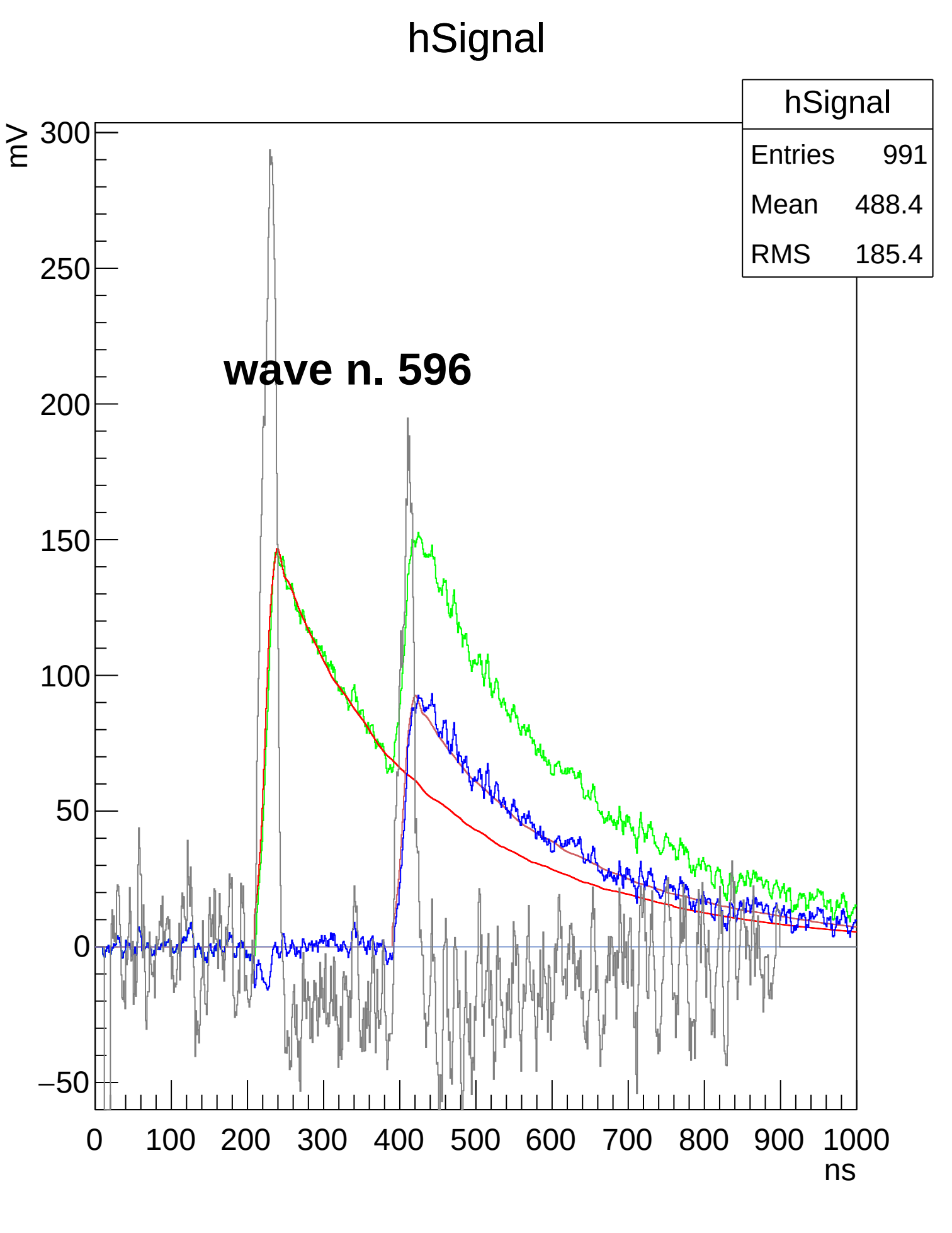

hSignal
hSignal
Entries 991
Mean 581
RMS 159.9
wave n. 591
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

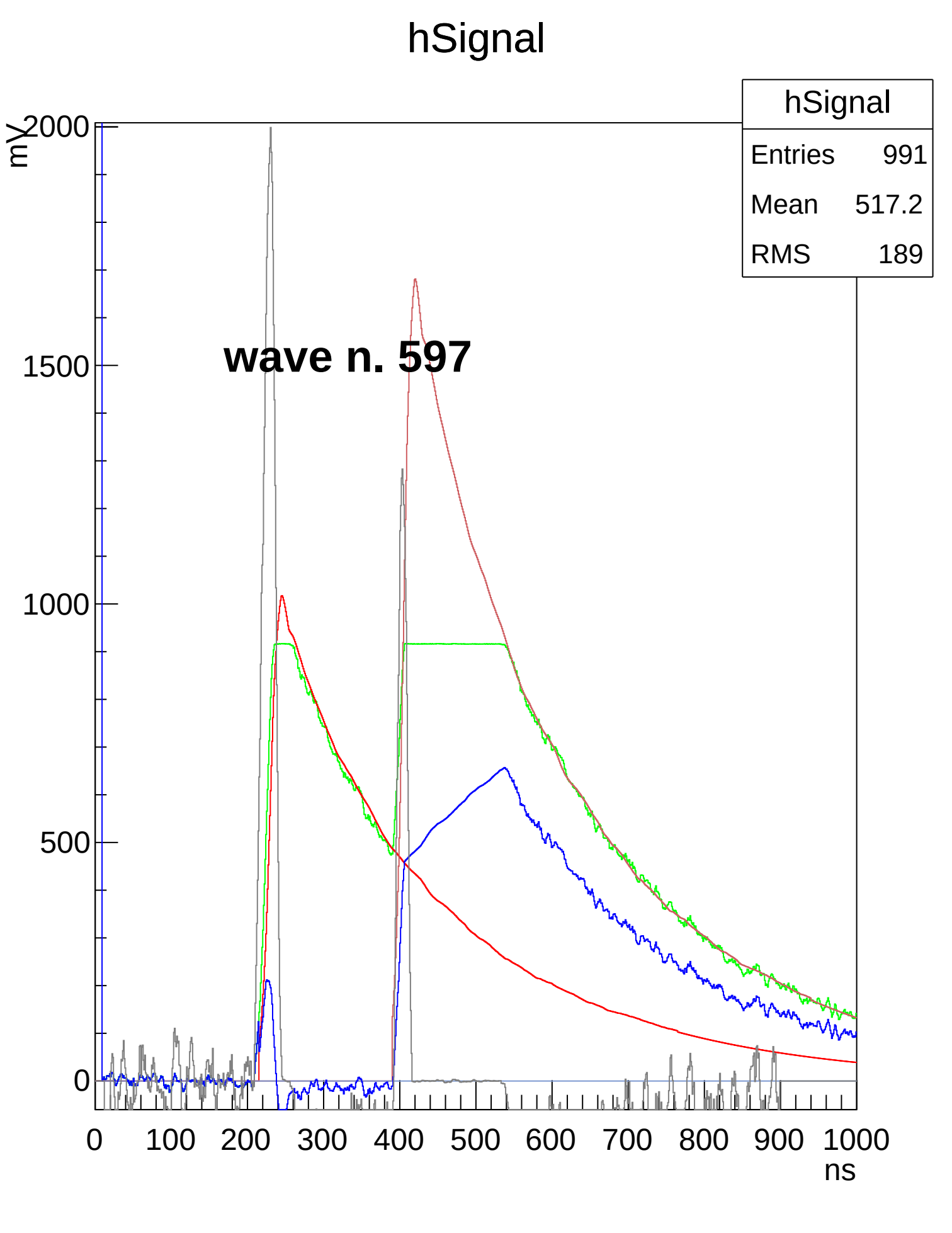

hSignal
hSignal
Entries 991
Mean 484.3
RMS 173.4
wave n. 592
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

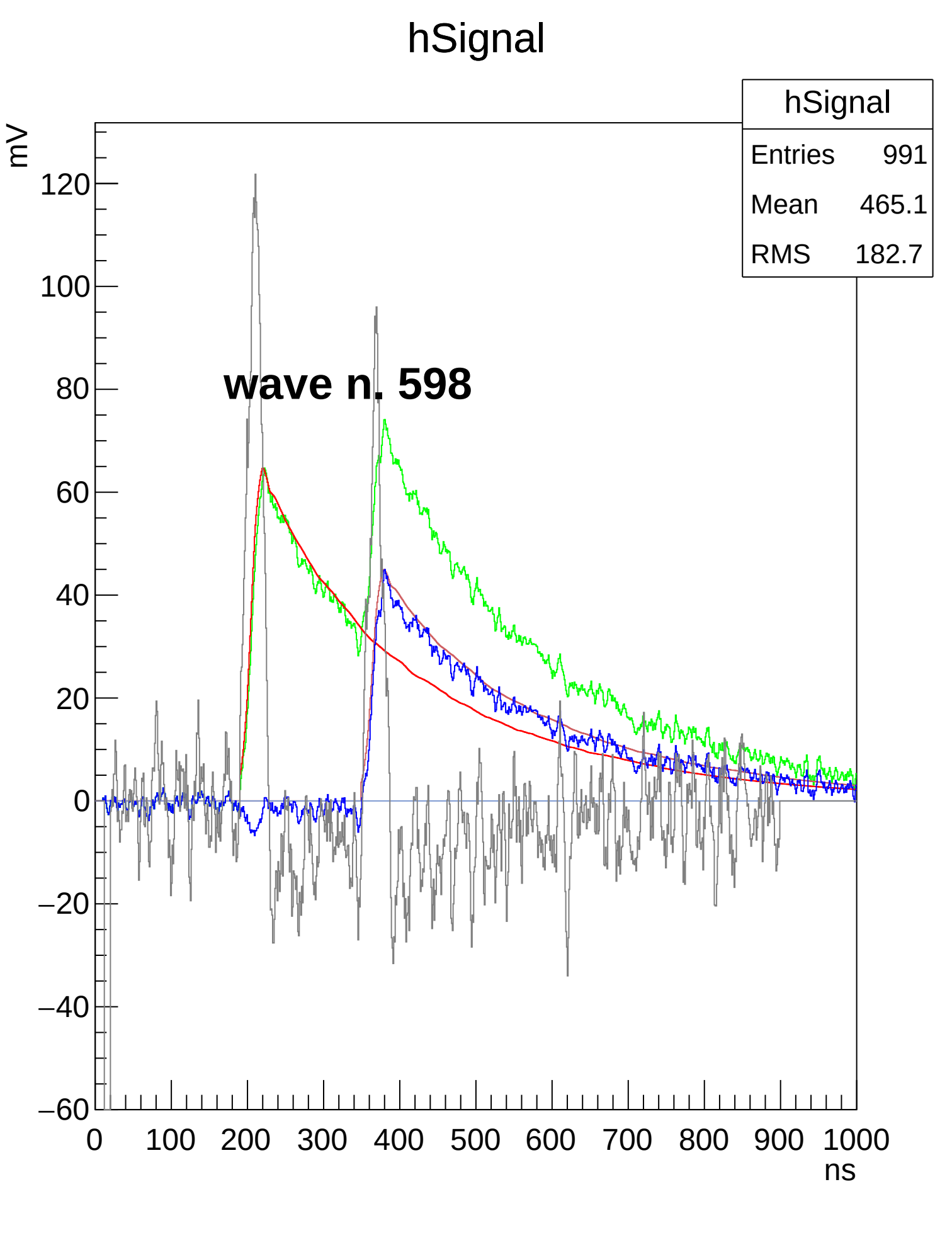

hSignal
hSignal
Entries 991
Mean 545.1
RMS 179.9
wave n. 593
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

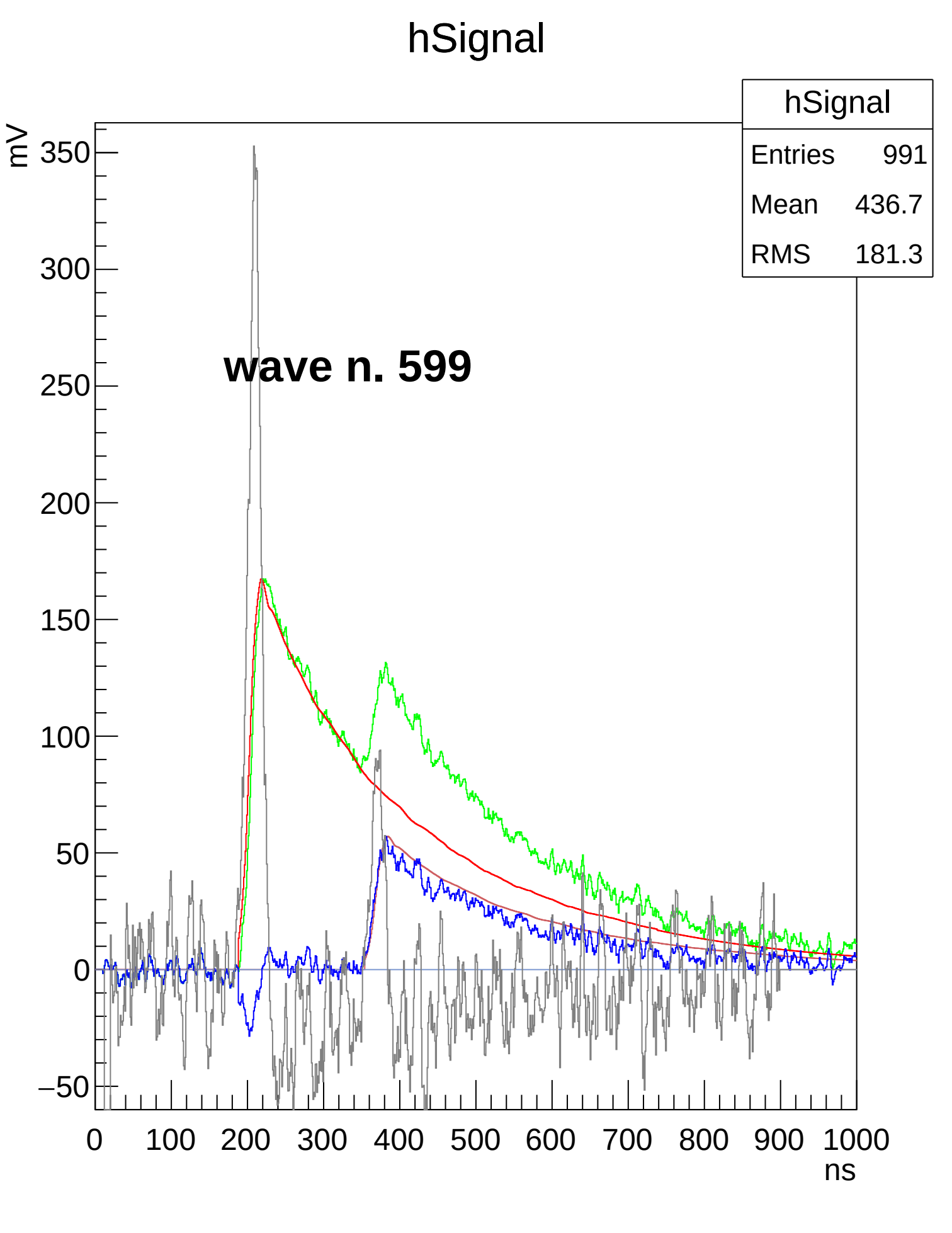

hSignal
hSignal
Entries 991
Mean 566
RMS 162.9
wave n. 594
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

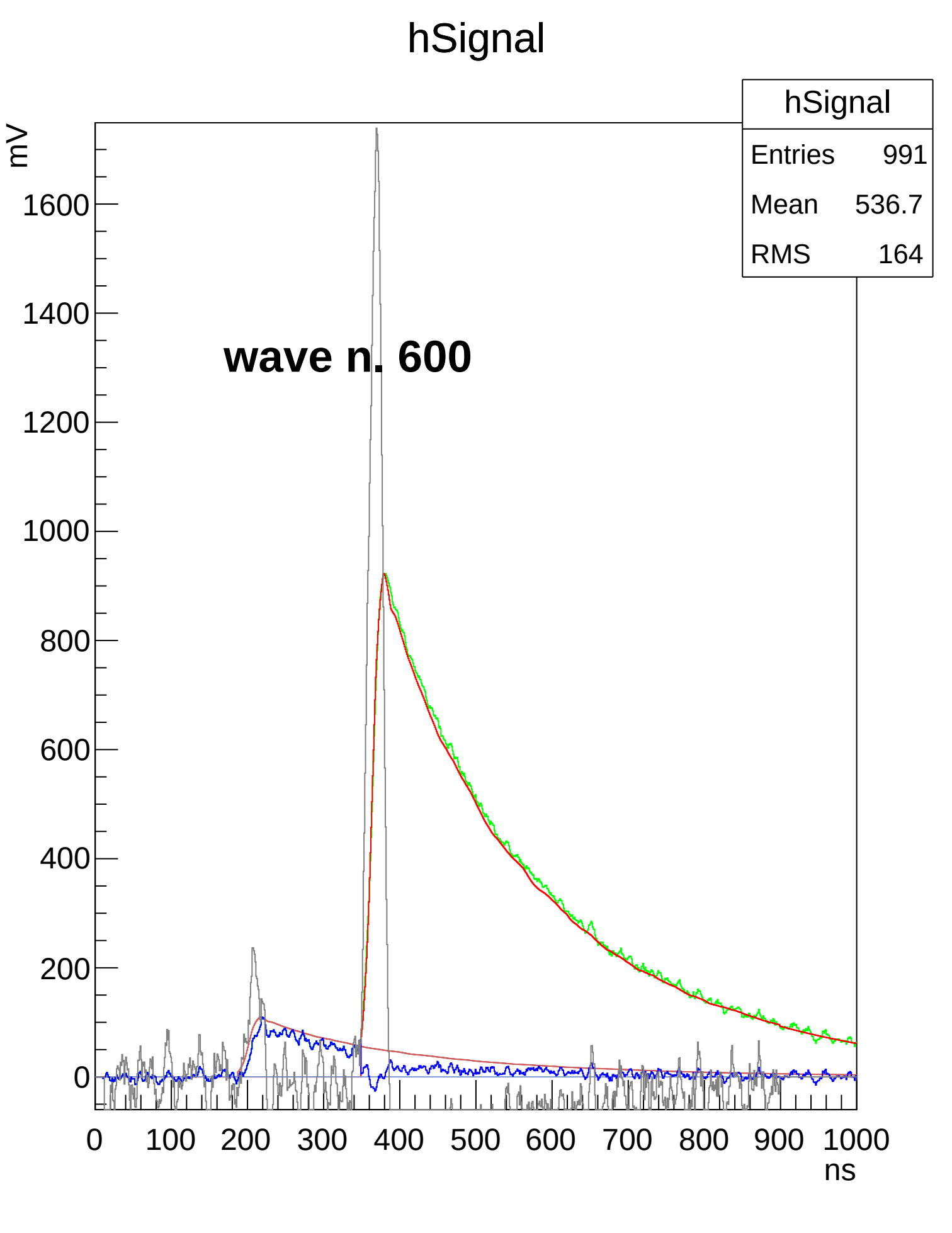

hSignal
hSignal
Entries 991
Mean 502.4
RMS 186.7
wave n. 595
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

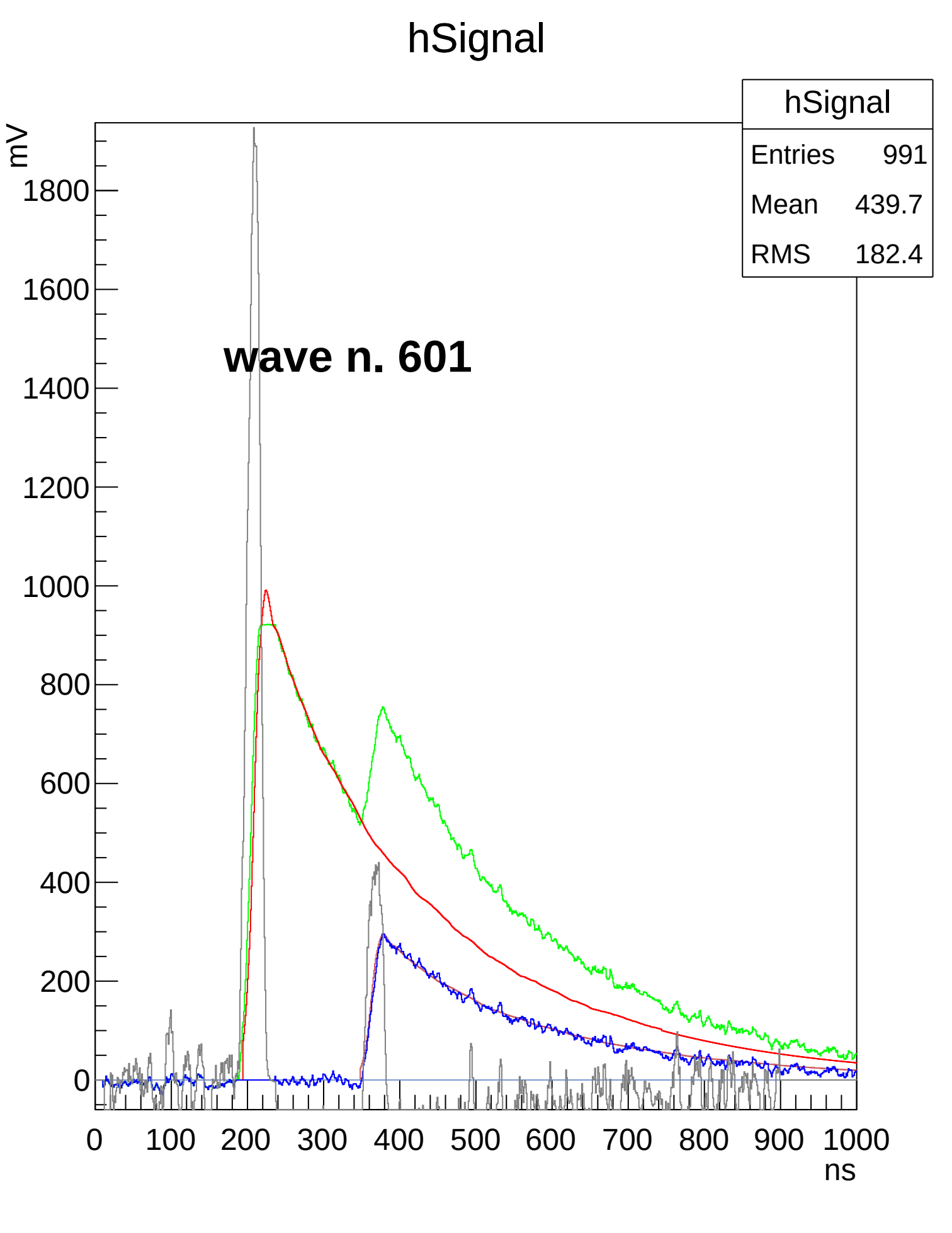

hSignal
hSignal
Entries 991
Mean 488.4
RMS 185.4
wave n. 596
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

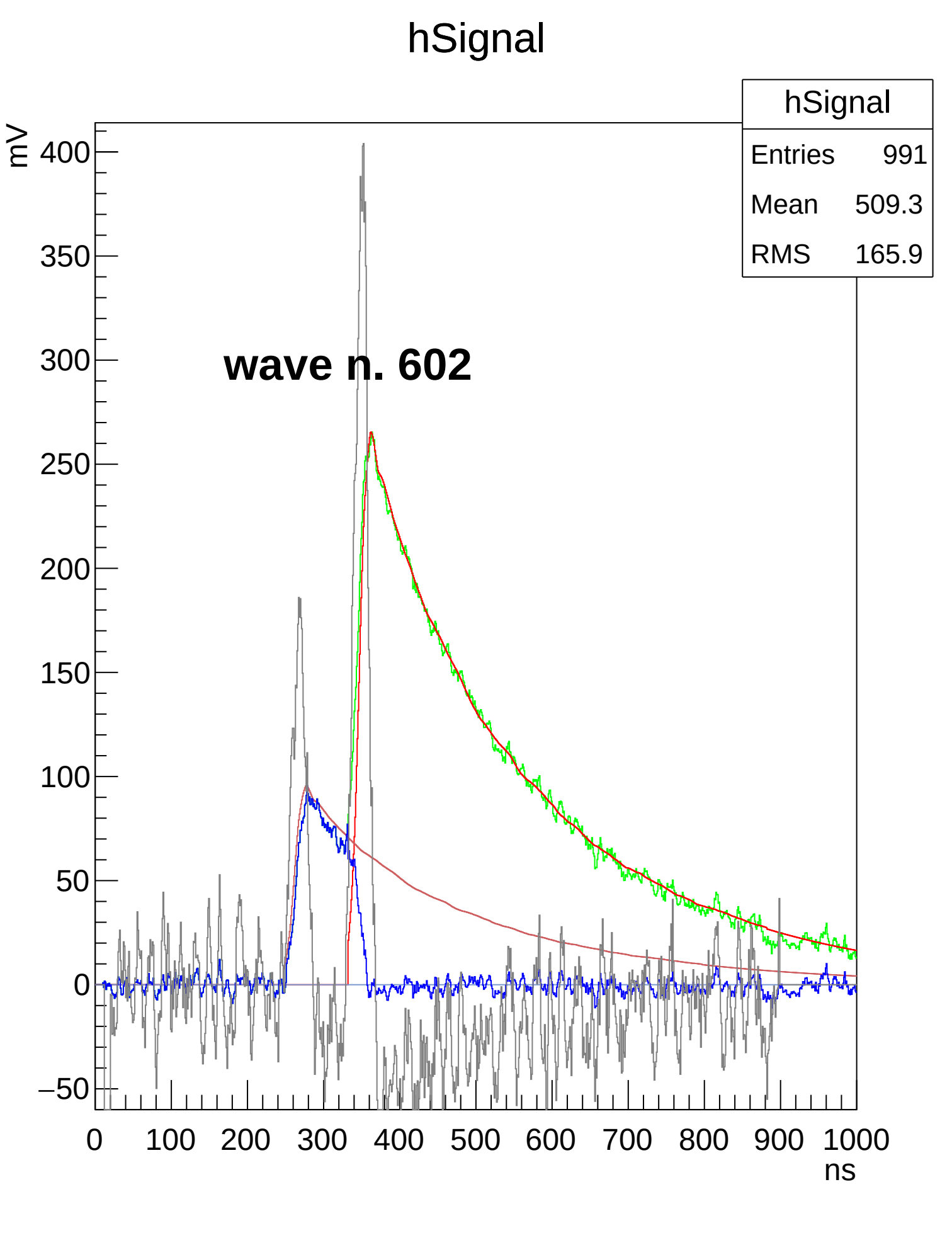

hSignal
hSignal
Entries 991
Mean 517.2
RMS 189
wave n. 597
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

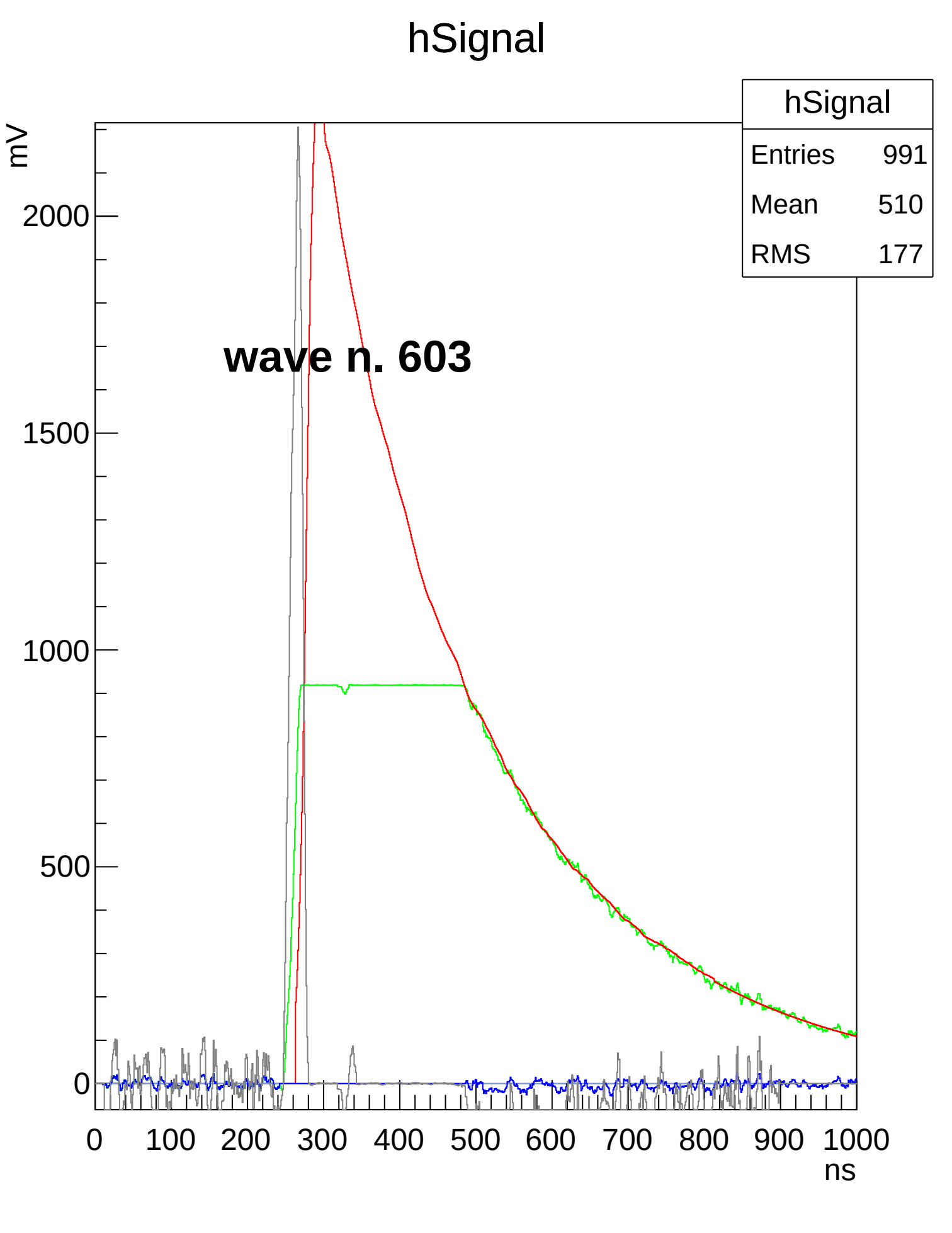

hSignal
hSignal
Entries 991
Mean 465.1
RMS 182.7
wave n. 598
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

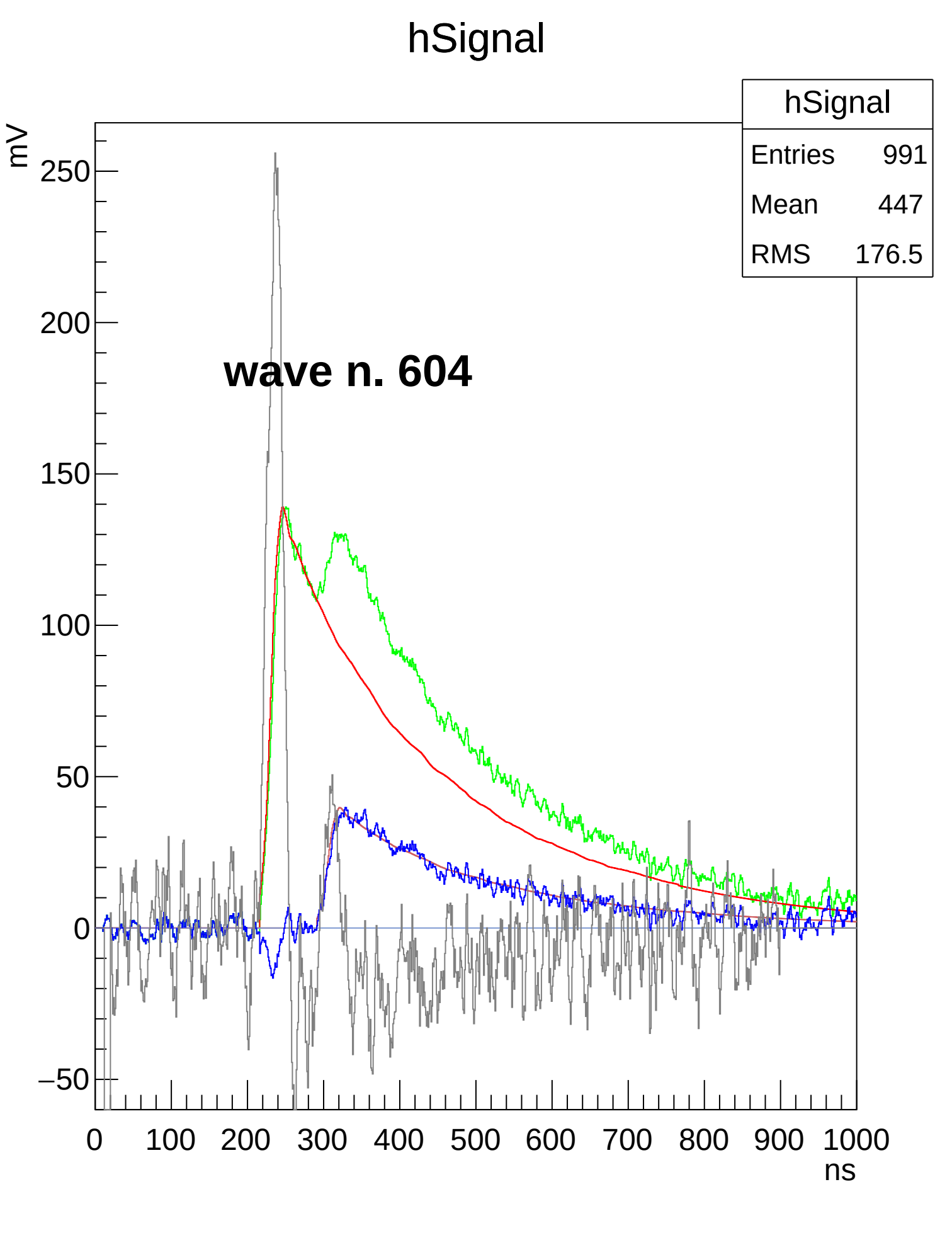

hSignal
hSignal
Entries 991
Mean 436.7
RMS 181.3
wave n. 599
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

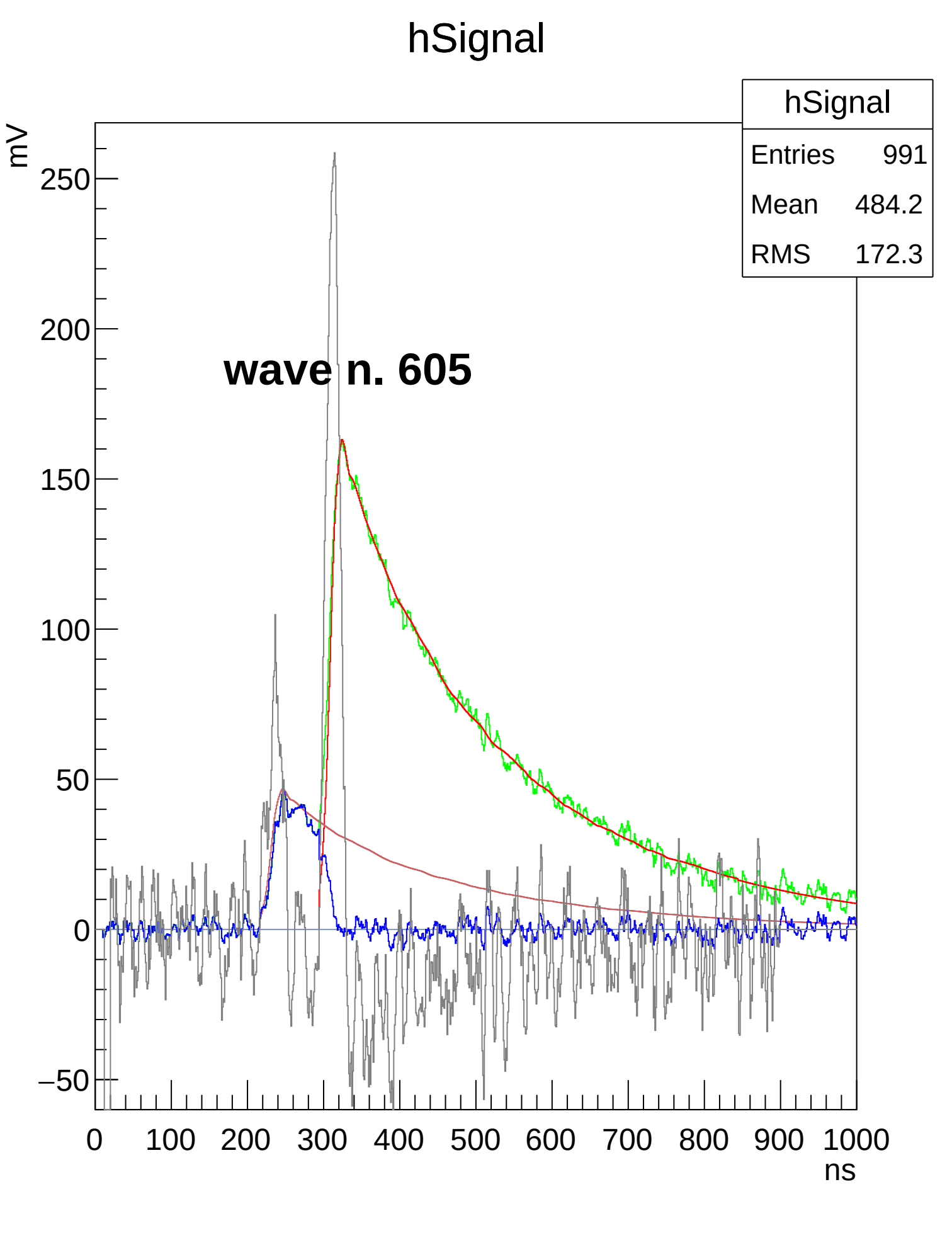

hSignal
hSignal
Entries 991
Mean 536.7
RMS 164
wave n. 600
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

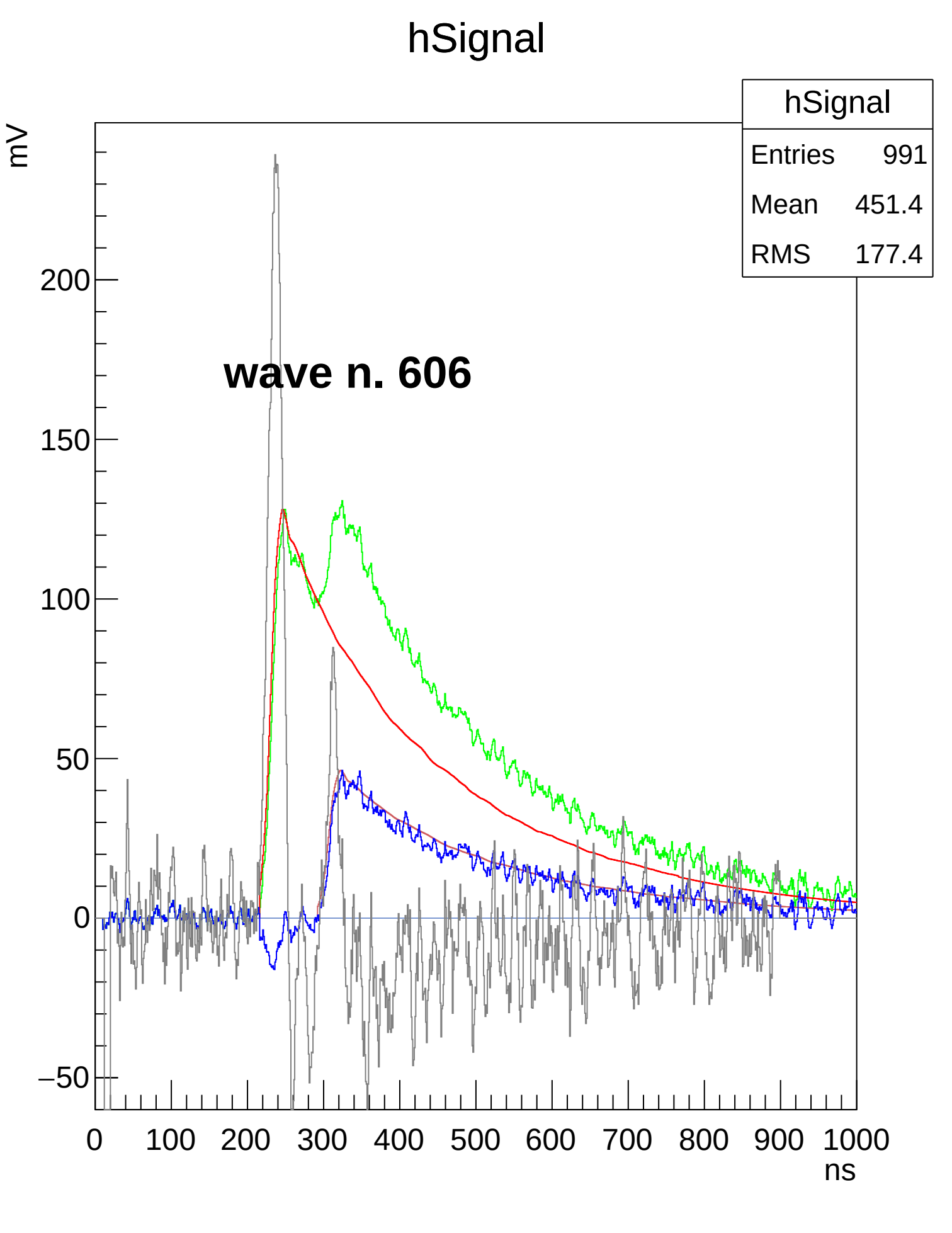

hSignal
hSignal
Entries 991
Mean 439.7
RMS 182.4
wave n. 601
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

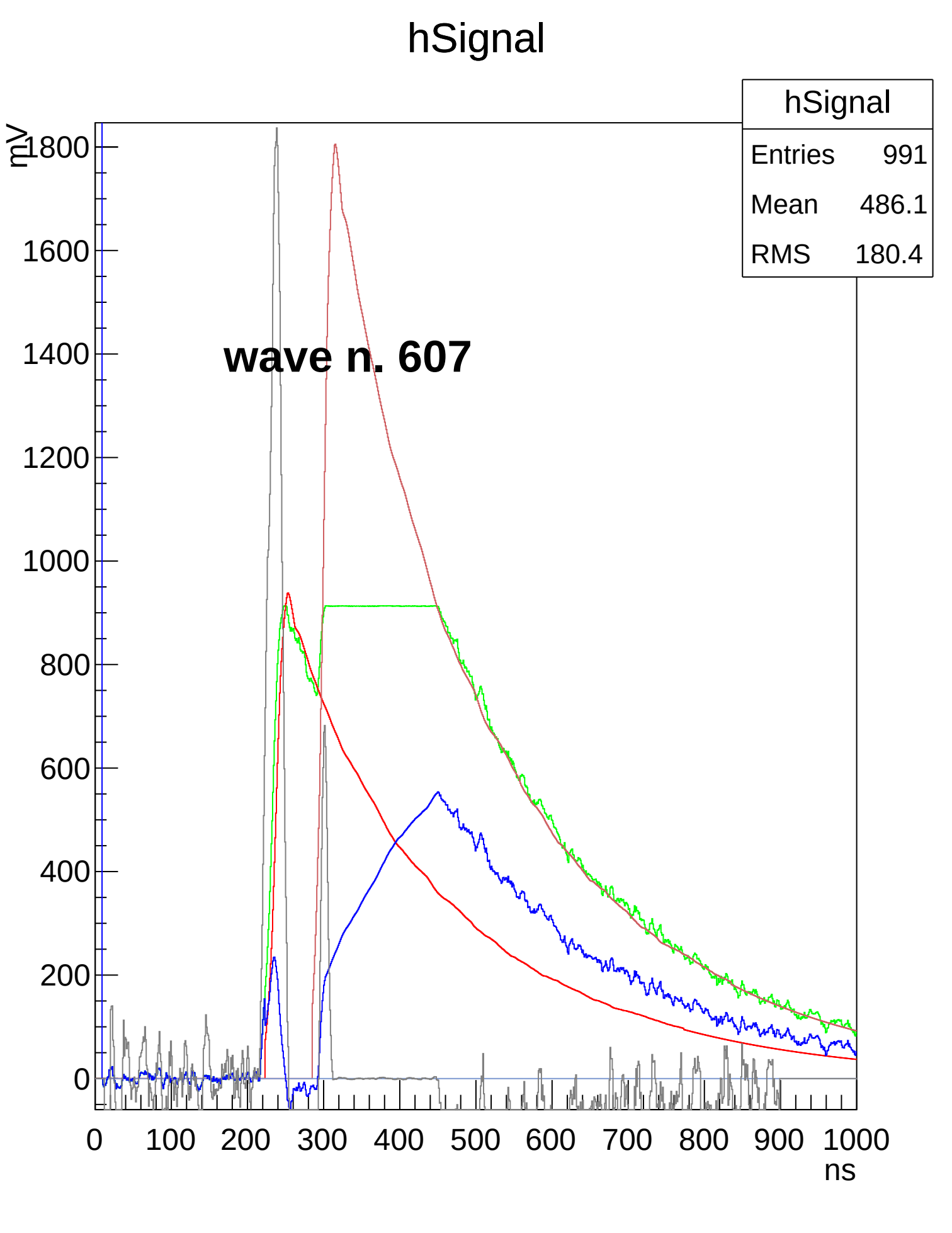

hSignal
hSignal
Entries 991
Mean 509.3
RMS 165.9
wave n. 602
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

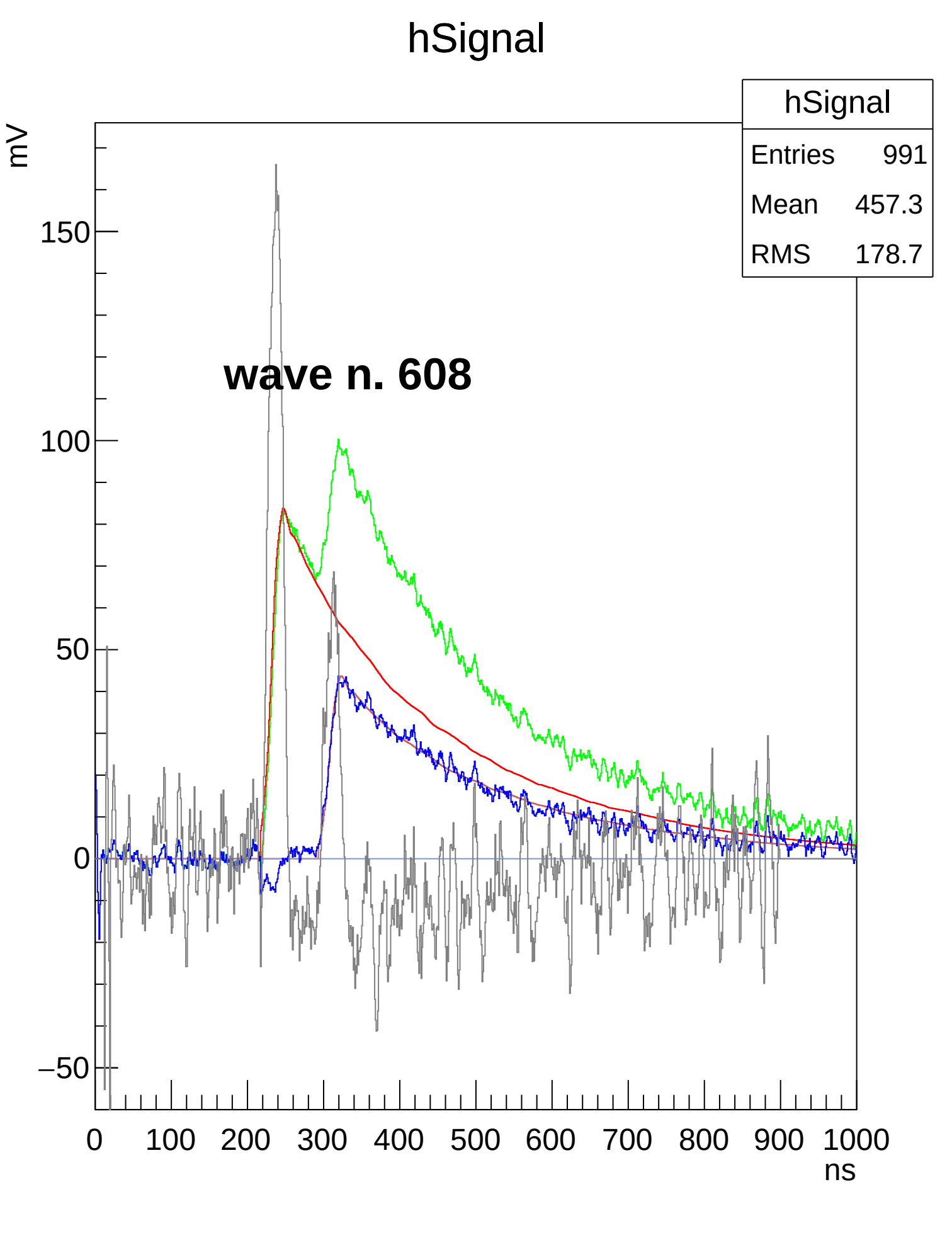

hSignal
hSignal
Entries 991
Mean 510
RMS 177
wave n. 603
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

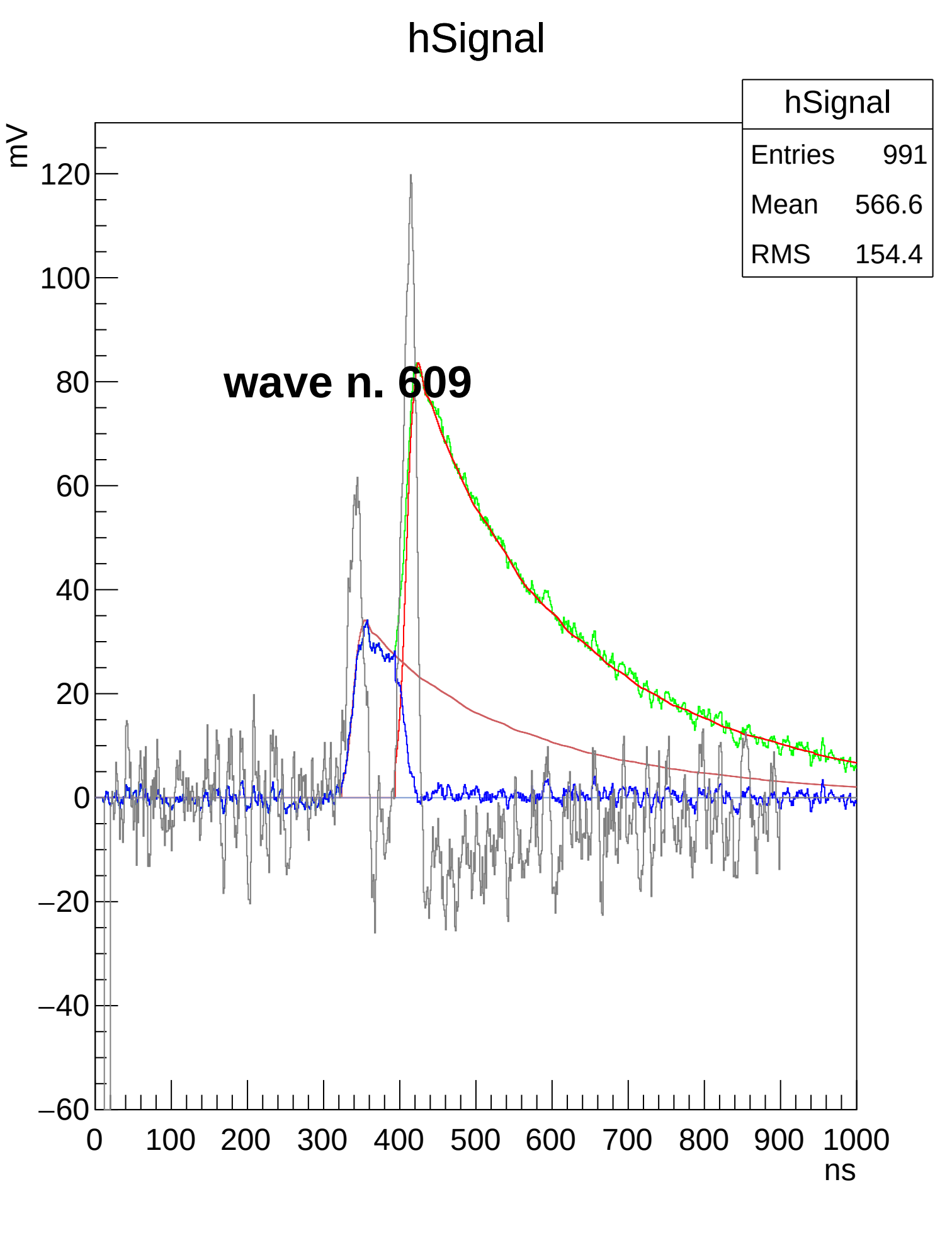

hSignal
hSignal
Entries 991
Mean 447
RMS 176.5
wave n. 604
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

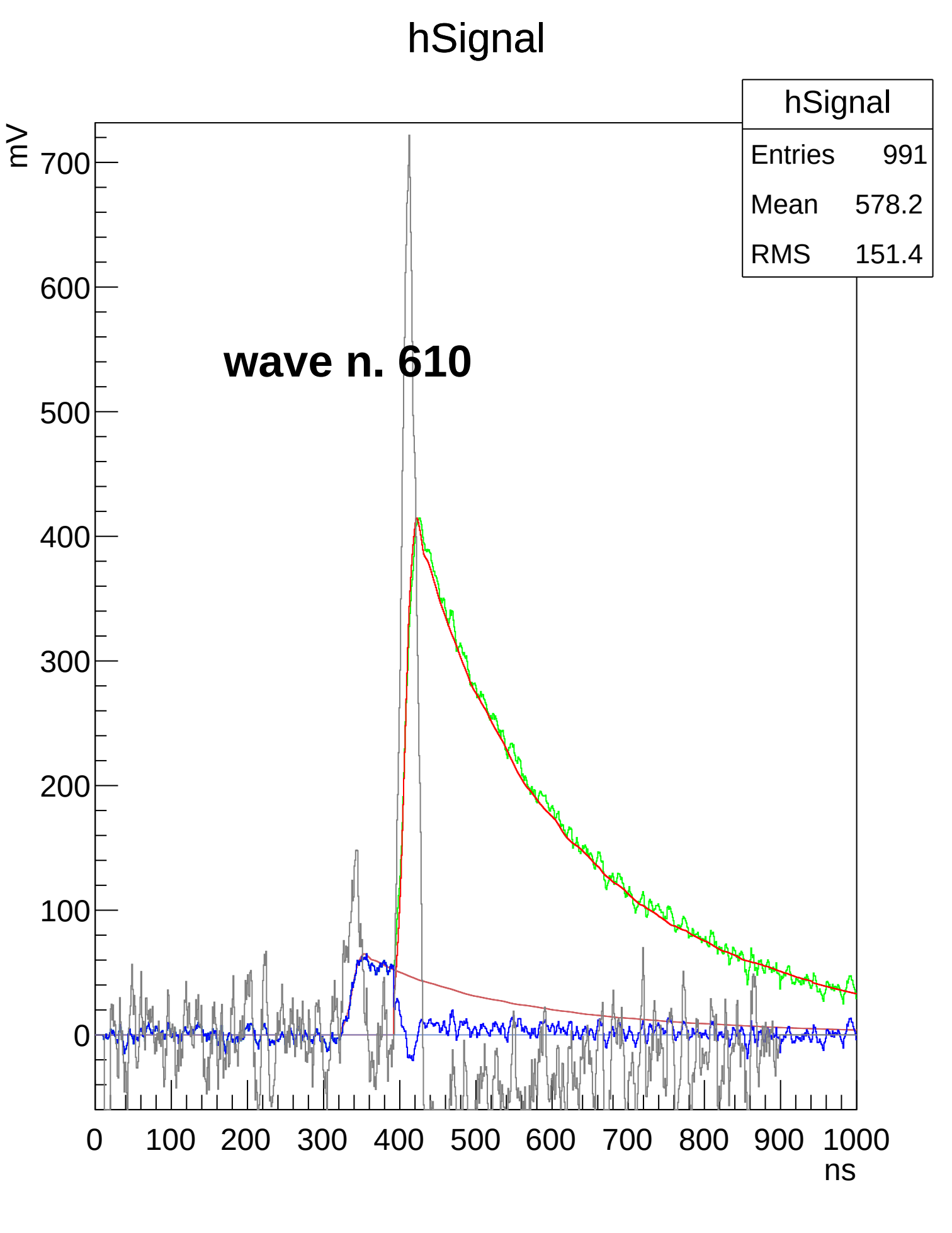

hSignal
hSignal
Entries 991
Mean 484.2
RMS 172.3
wave n. 605
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

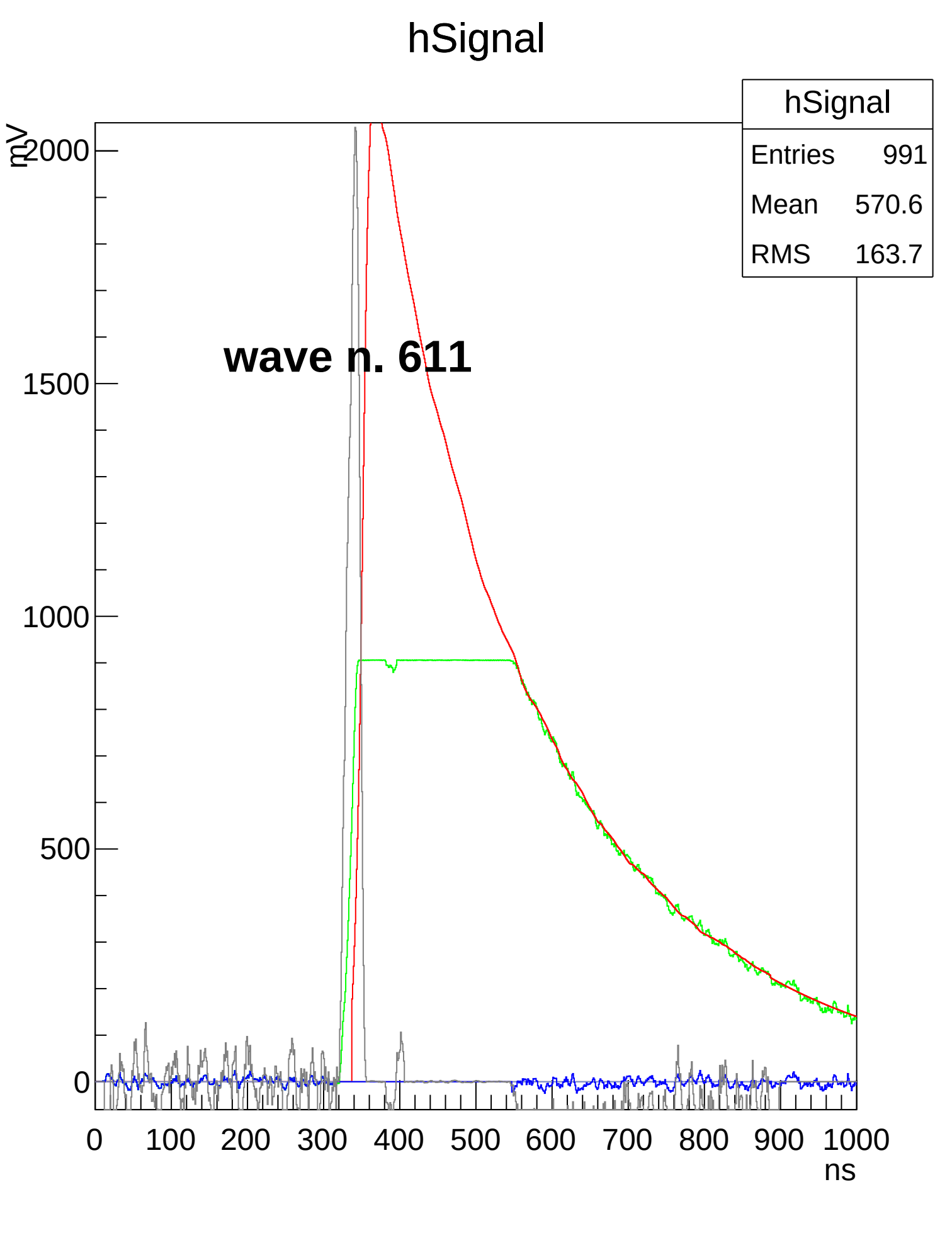

hSignal
hSignal
Entries 991
Mean 451.4
RMS 177.4
wave n. 606
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

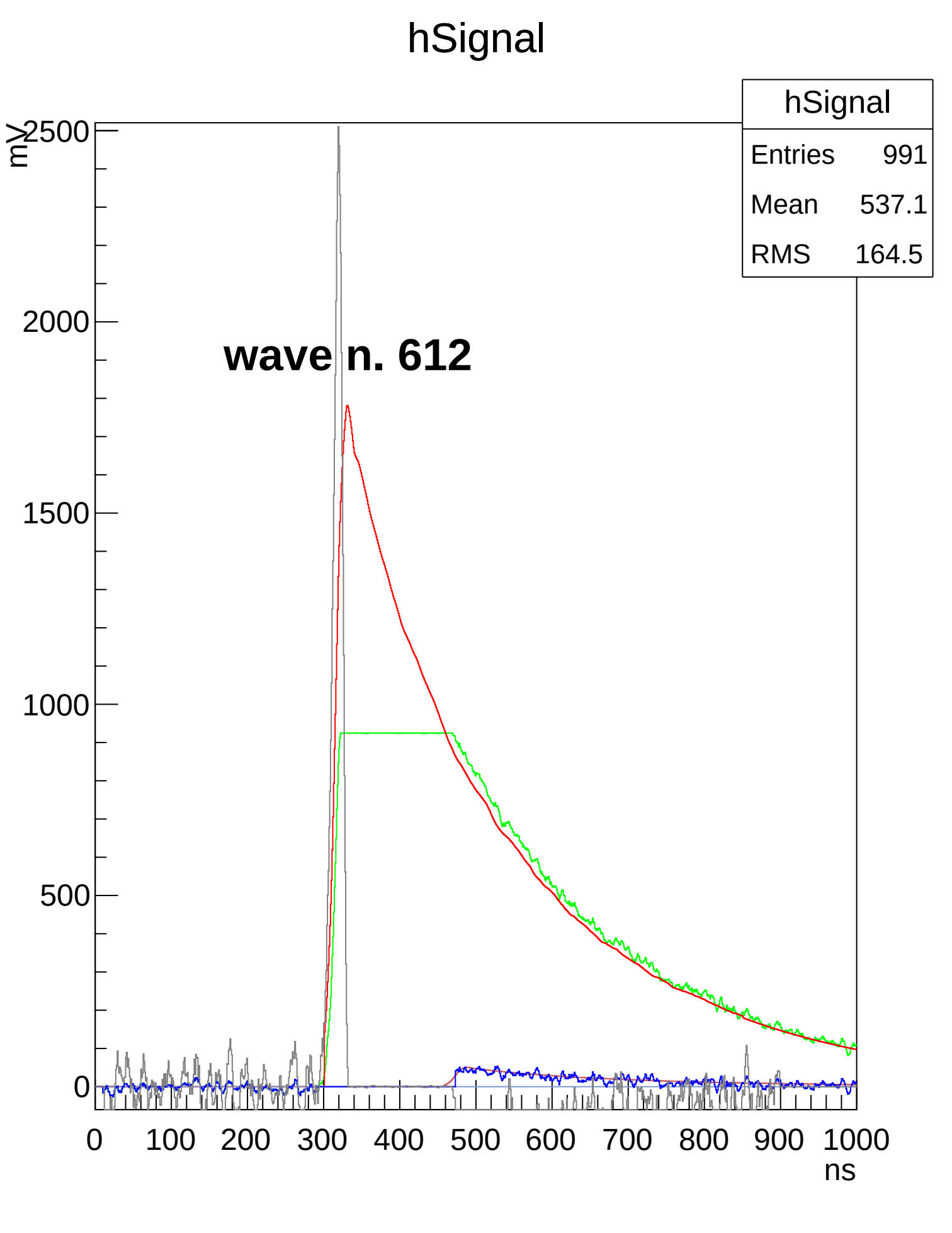

hSignal
hSignal
Entries 991
Mean 486.1
RMS 180.4
wave n. 607
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

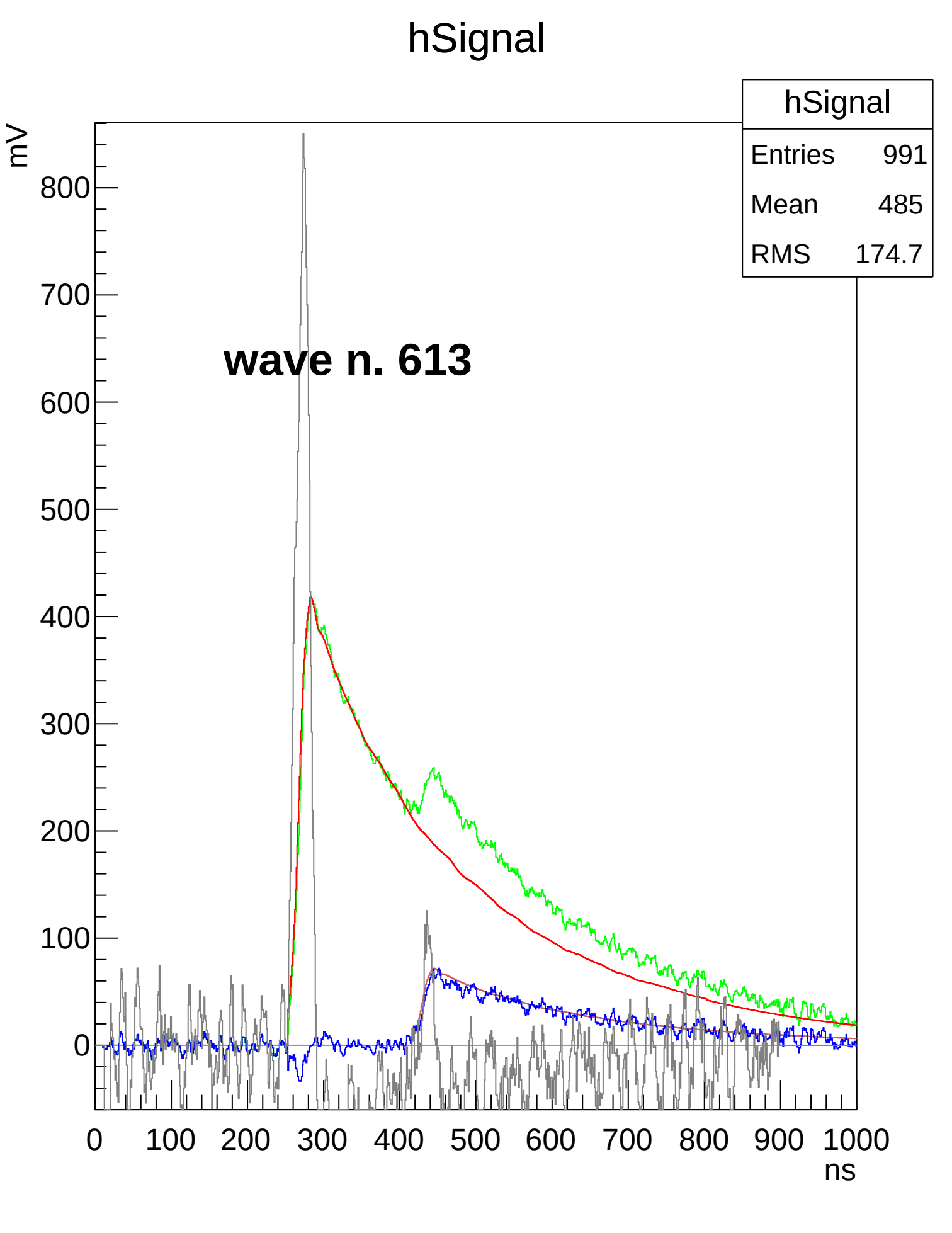

hSignal
hSignal
Entries 991
Mean 457.3
RMS 178.7
wave n. 608
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

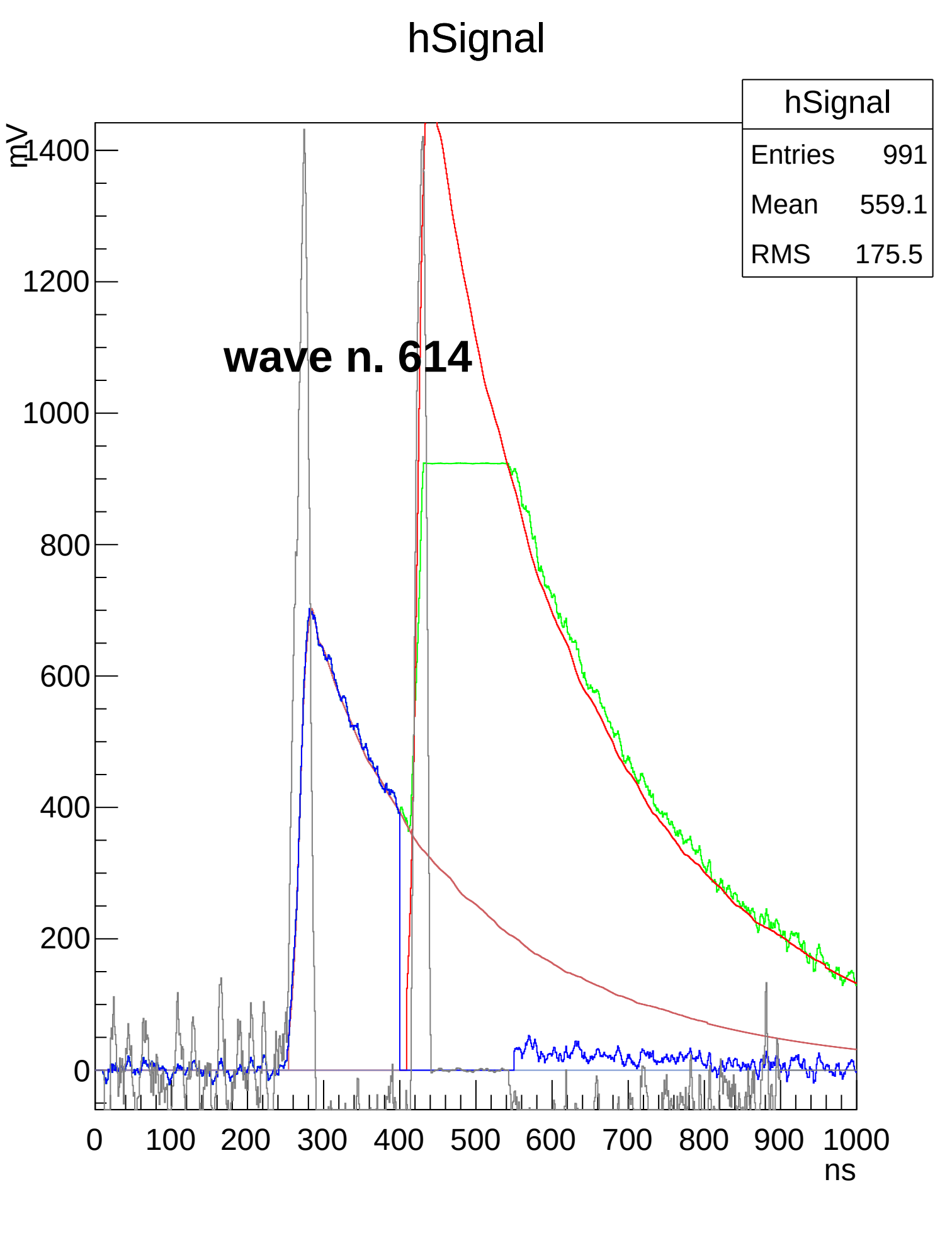

hSignal
hSignal
Entries 991
Mean 566.6
RMS 154.4
wave n. 609
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

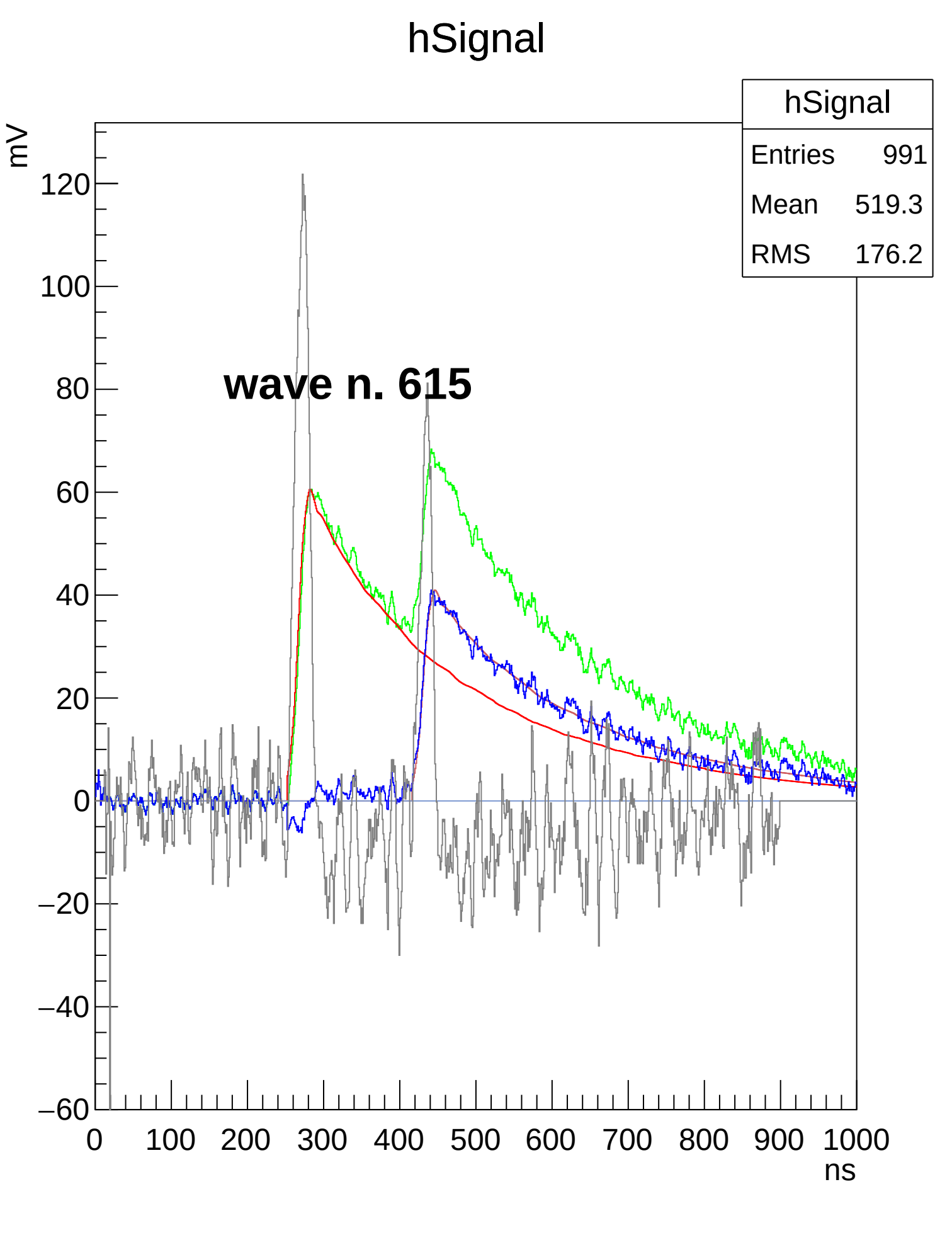

hSignal
hSignal
Entries 991
Mean 578.2
RMS 151.4
wave n. 610
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

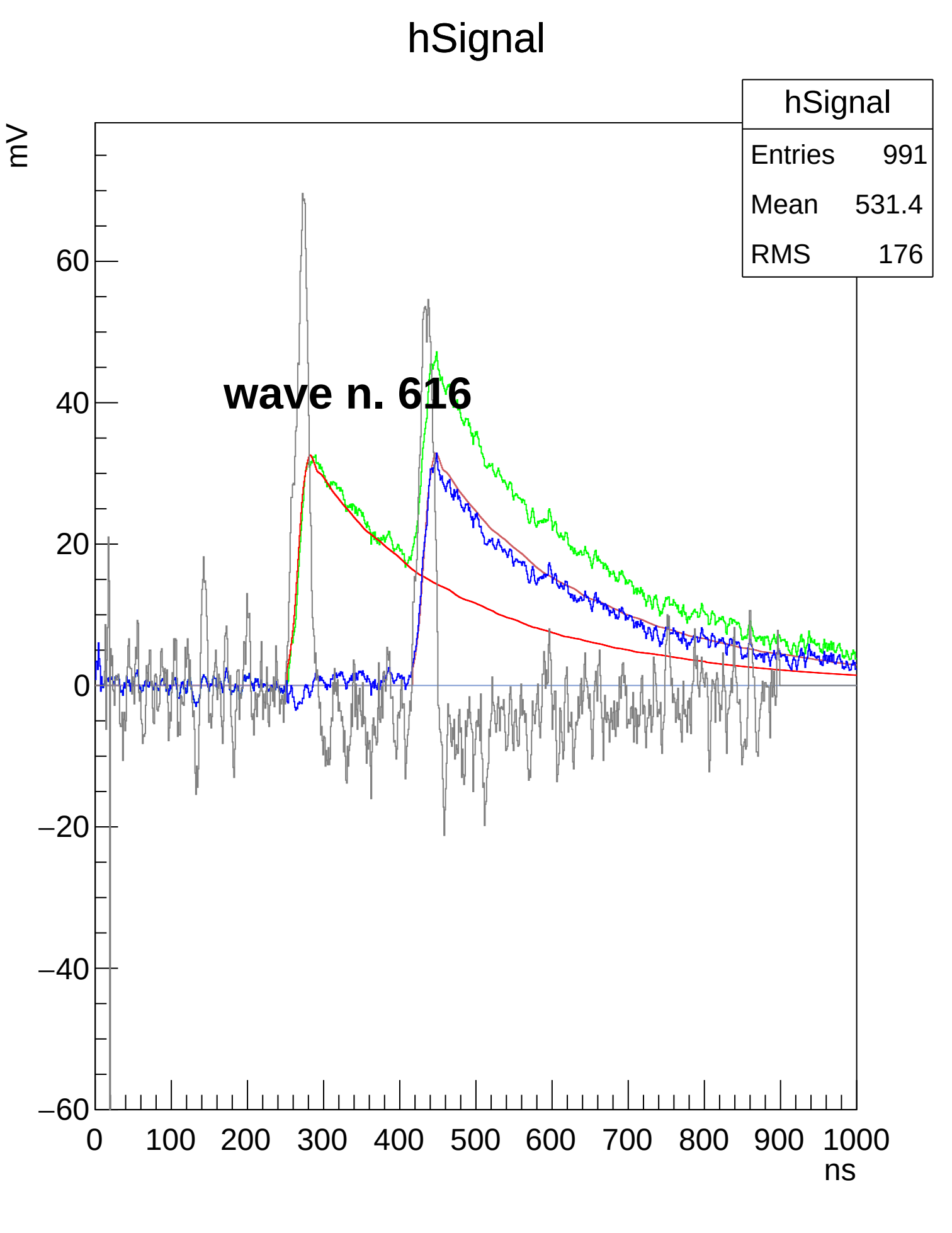

hSignal
hSignal
Entries 991
Mean 570.6
RMS 163.7
wave n. 611
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

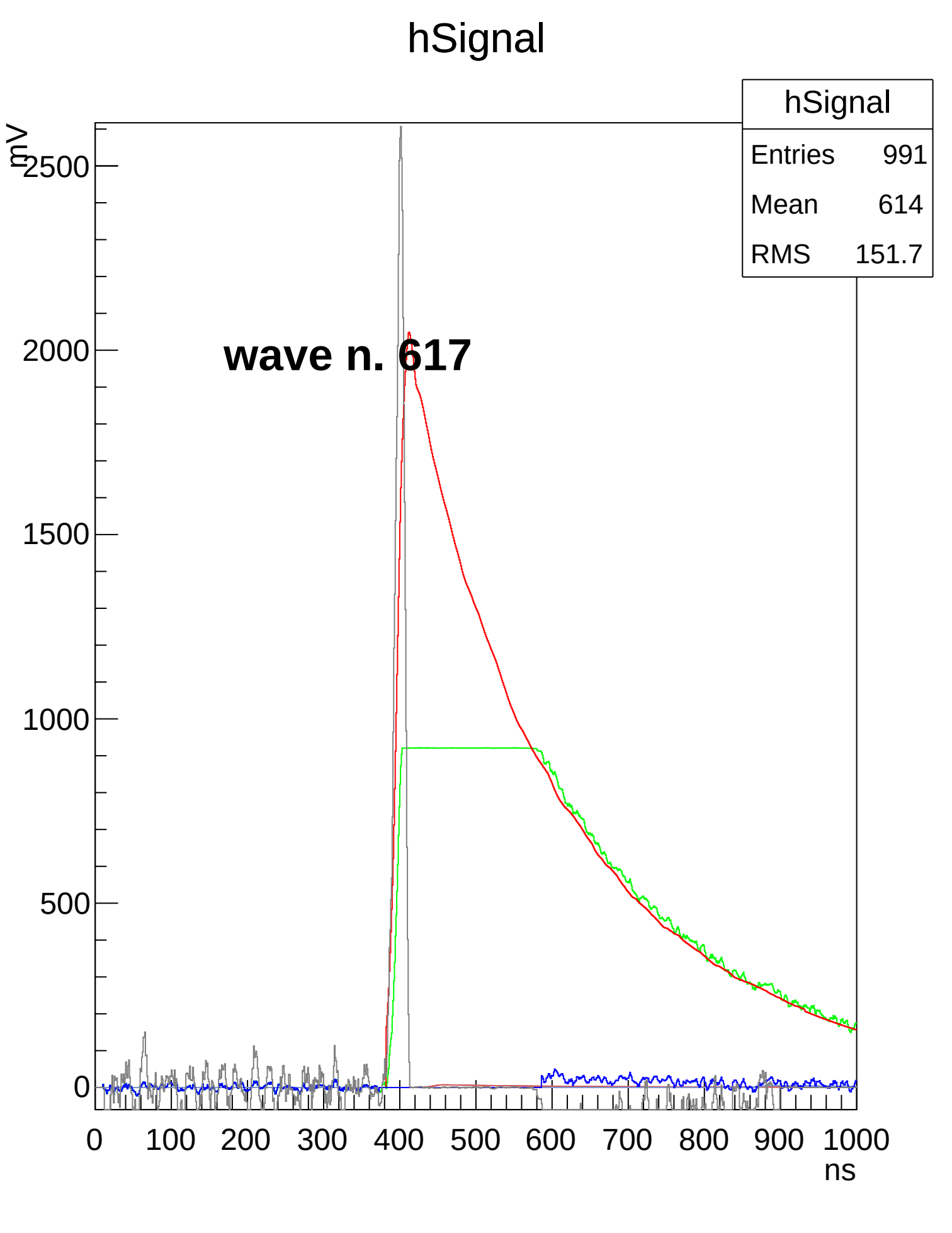

hSignal
hSignal
Entries 991
Mean 537.1
RMS 164.5
wave n. 612
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

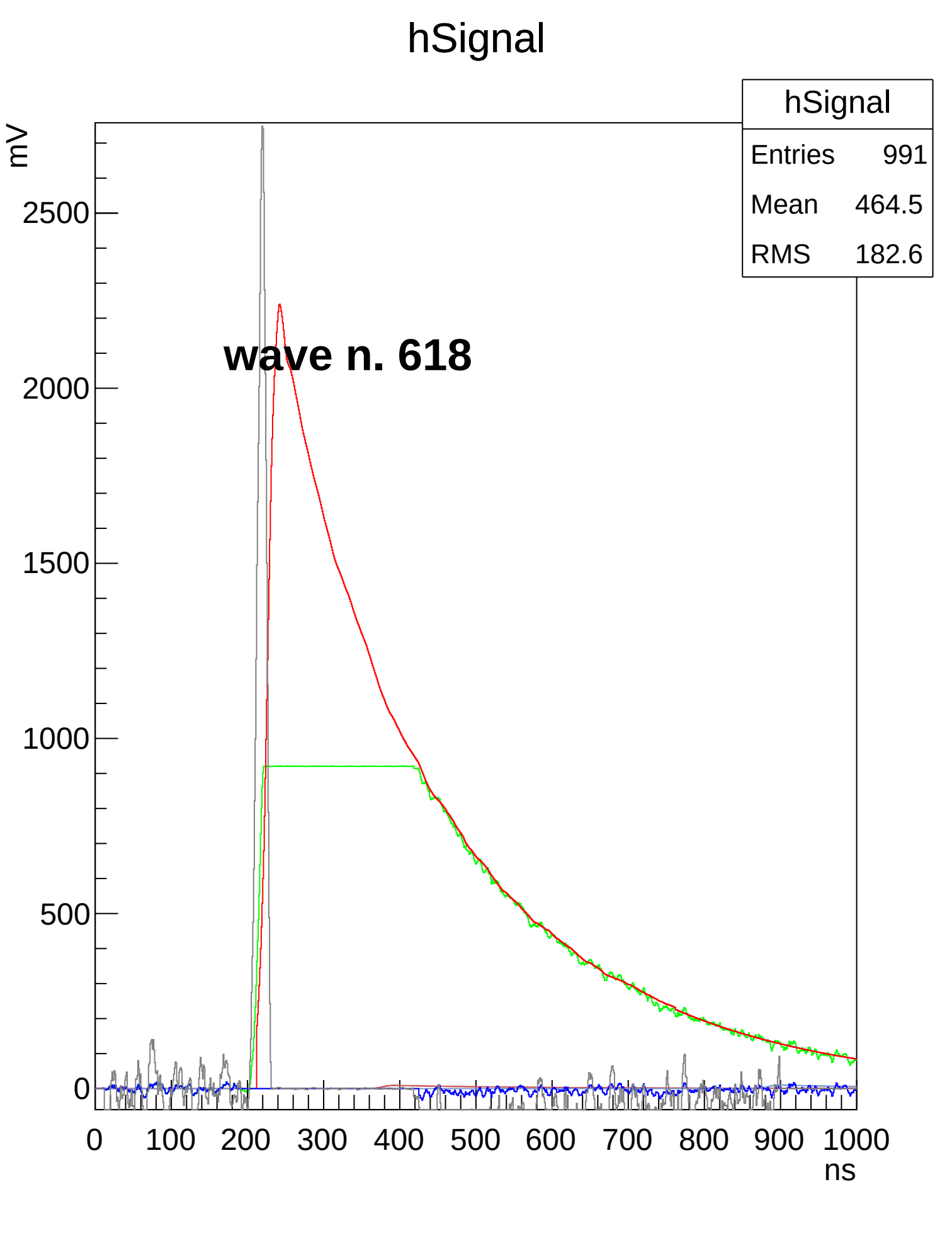

hSignal
hSignal
Entries 991
Mean 485
RMS 174.7
wave n. 613
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

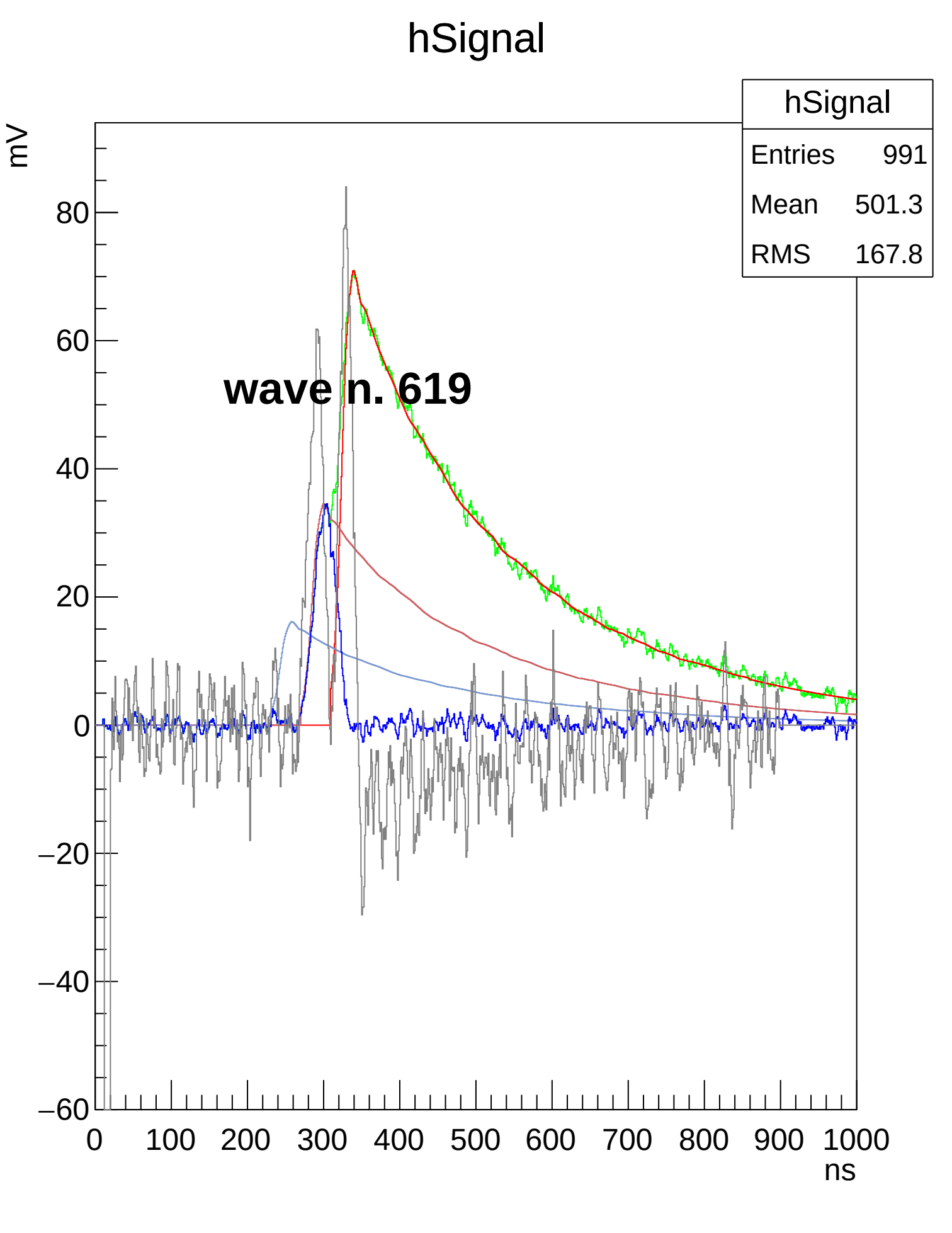

hSignal
hSignal
Entries 991
Mean 559.1
RMS 175.5
wave n. 614
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

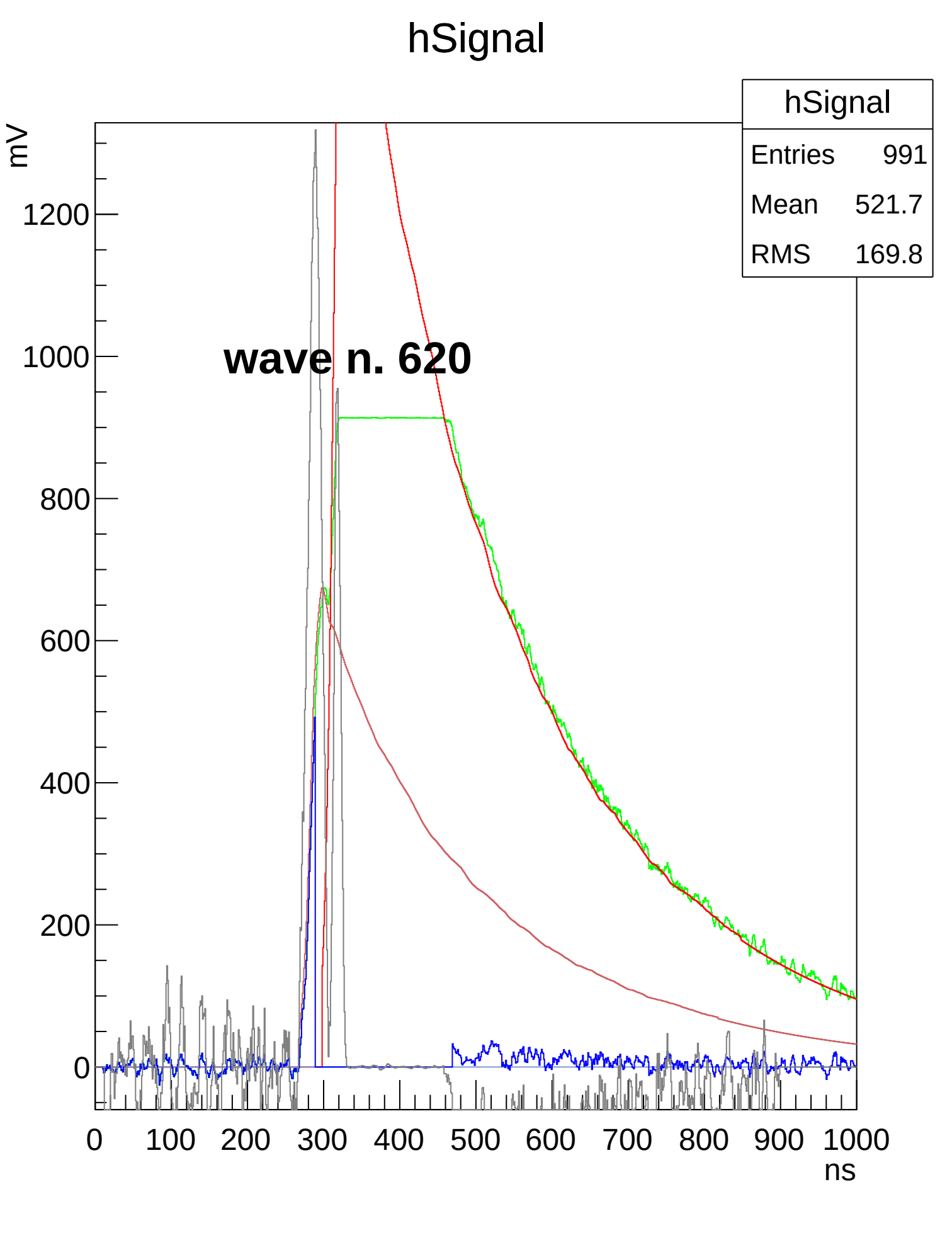

hSignal
hSignal
Entries 991
Mean 519.3
RMS 176.2
wave n. 615
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

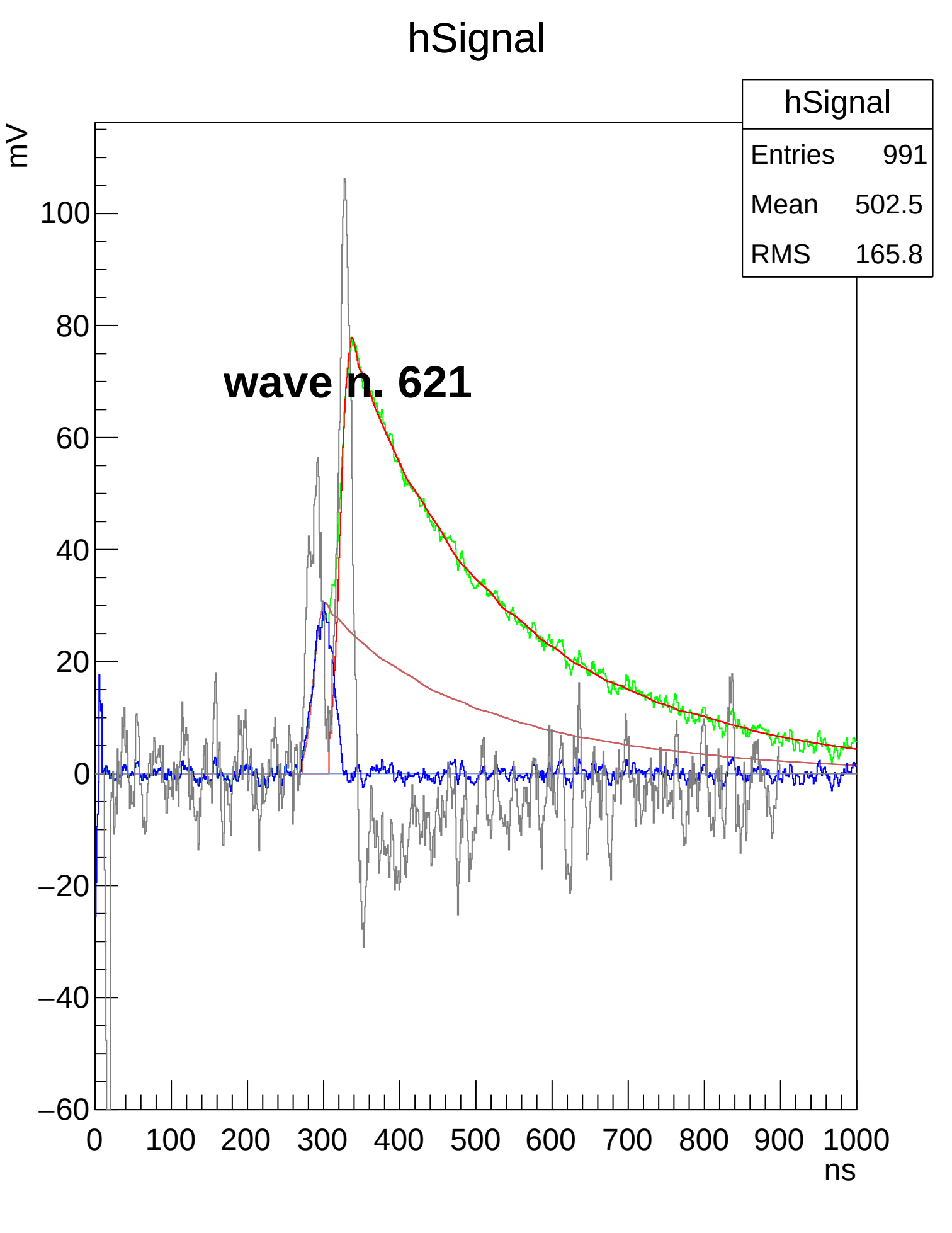

hSignal
hSignal
Entries 991
Mean 531.4
RMS 176
wave n. 616
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

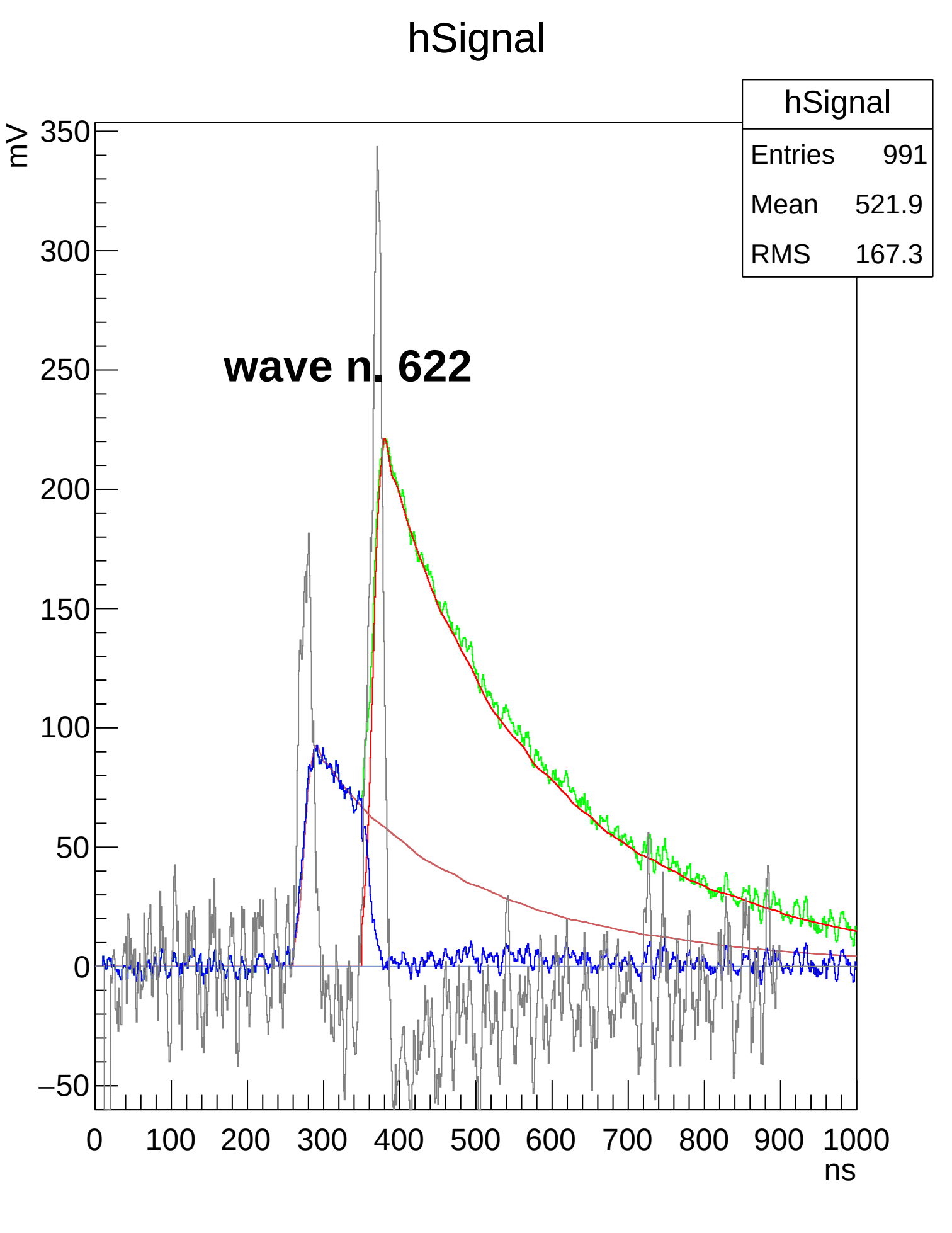

hSignal
hSignal
Entries 991
Mean 614
RMS 151.7
wave n. 617
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

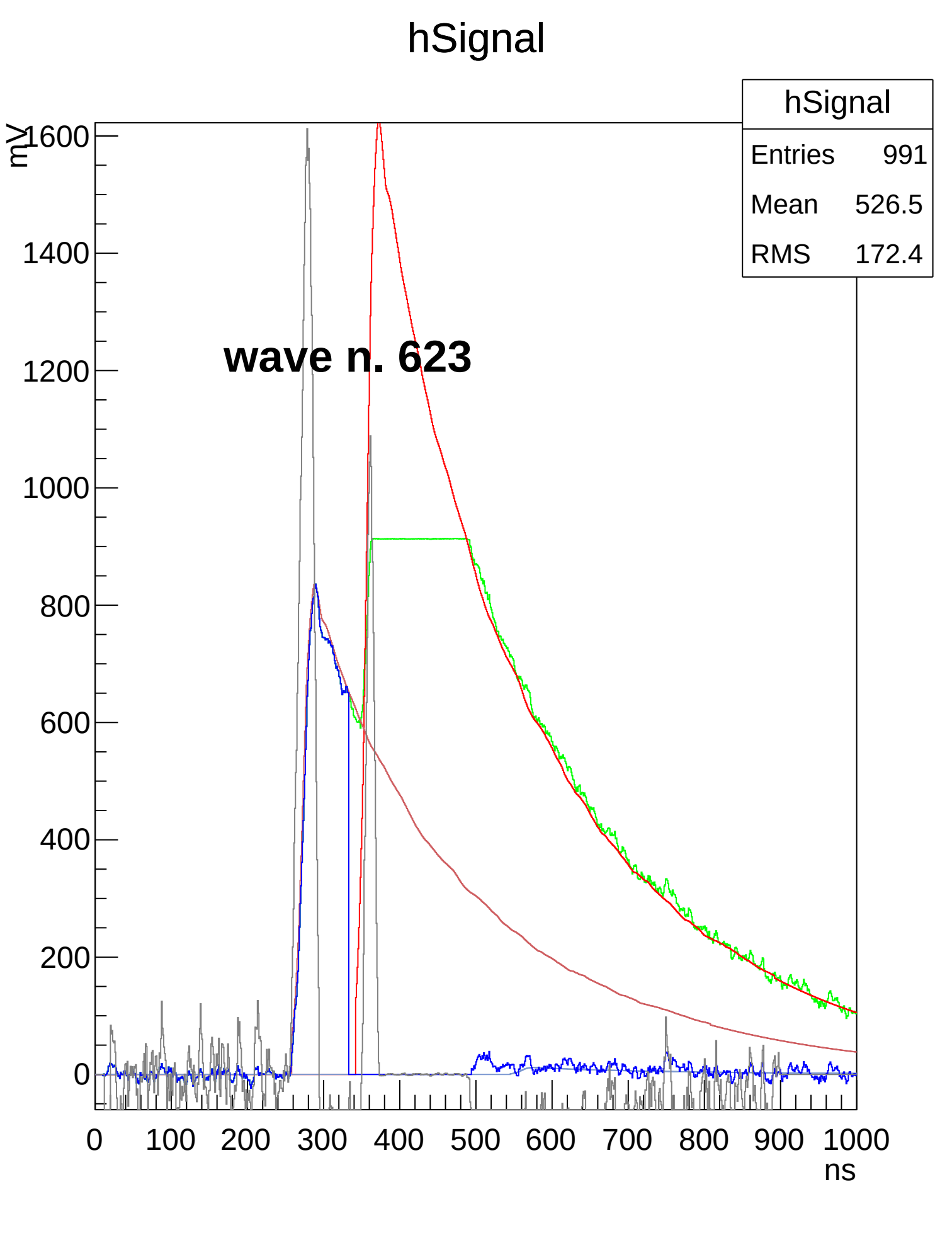

hSignal
hSignal
Entries 991
Mean 464.5
RMS 182.6
wave n. 618
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

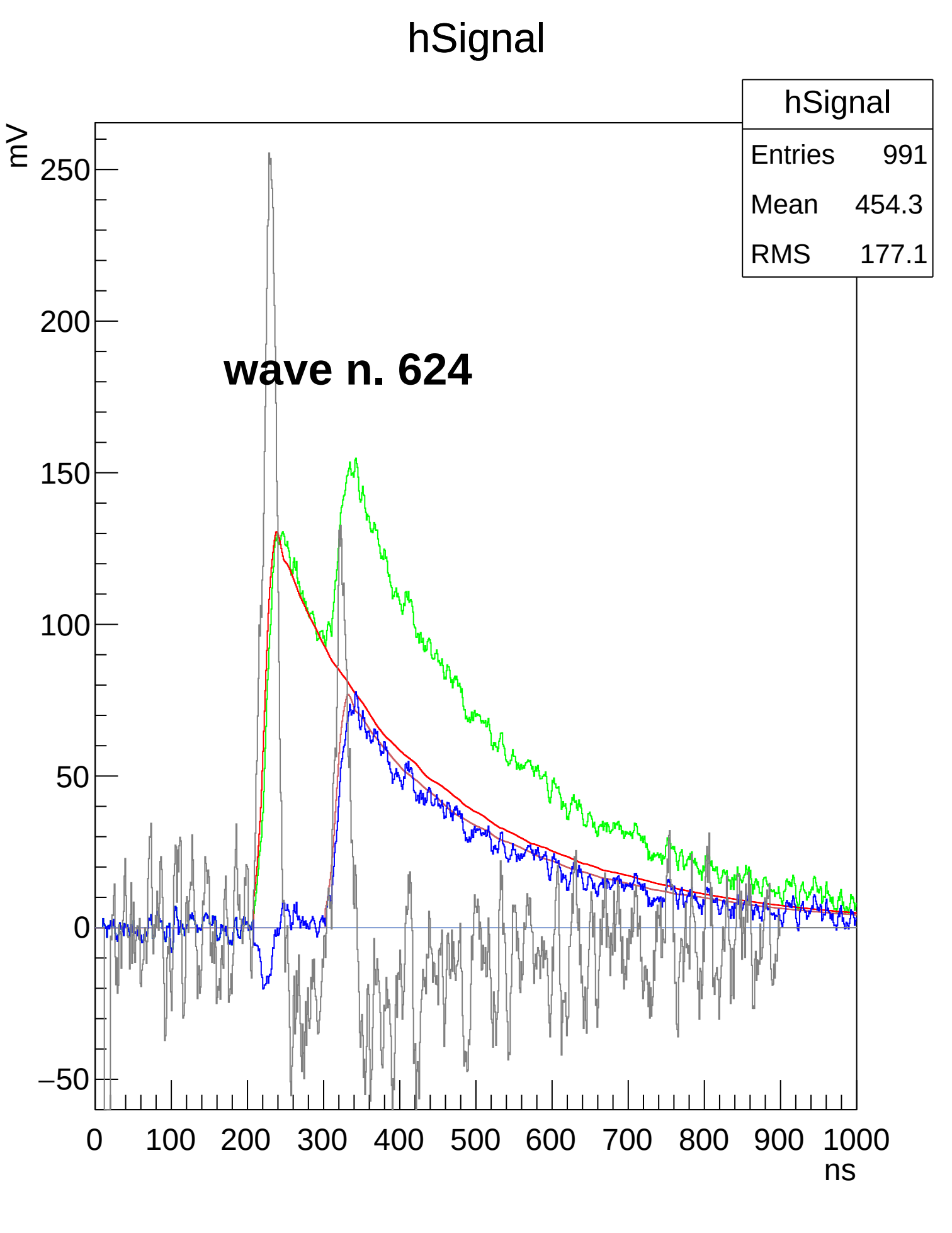

hSignal
hSignal
Entries 991
Mean 501.3
RMS 167.8
wave n. 619
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

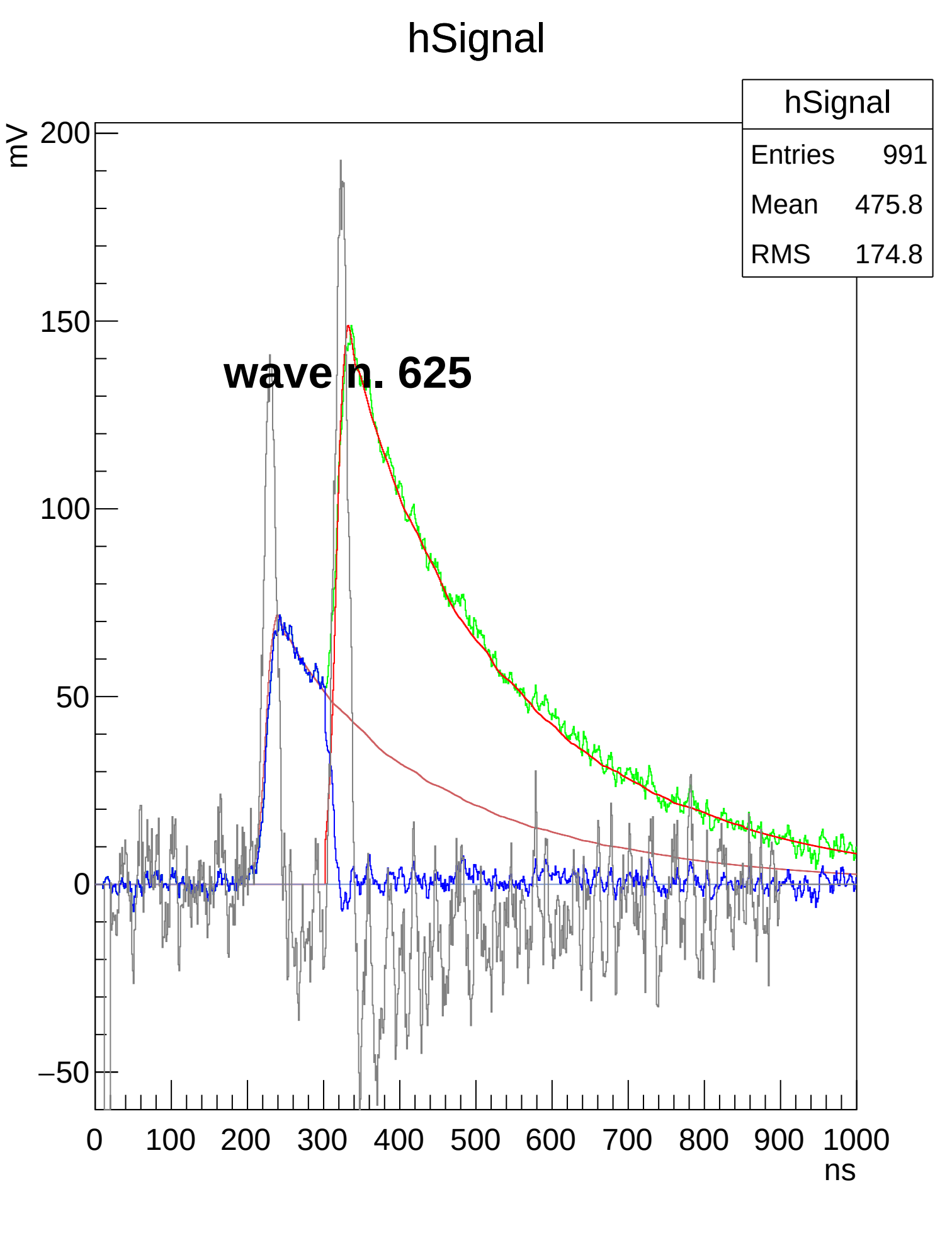

hSignal
hSignal
Entries 991
Mean 521.7
RMS 169.8
wave n. 620
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

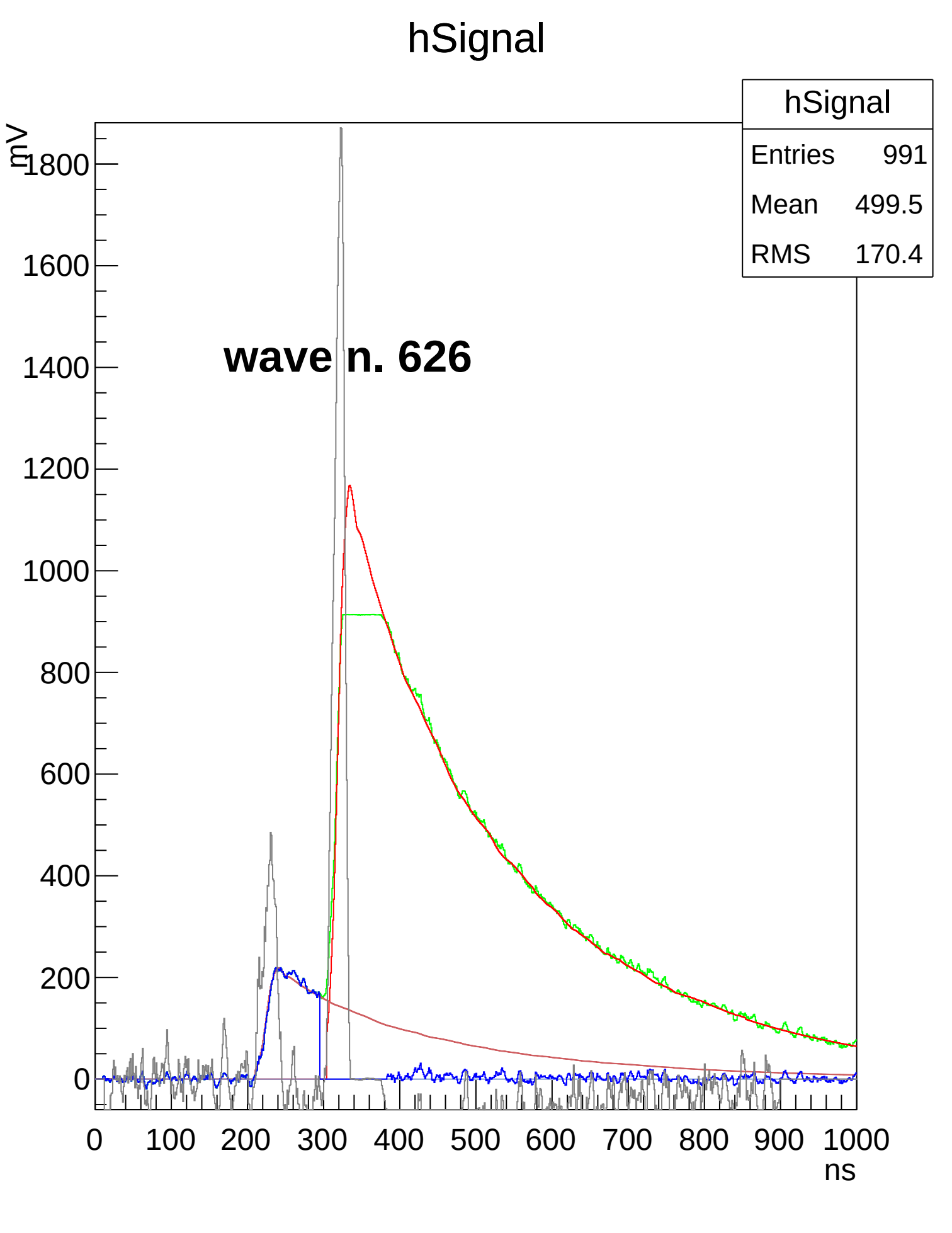

hSignal
hSignal
Entries 991
Mean 502.5
RMS 165.8
wave n. 621
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

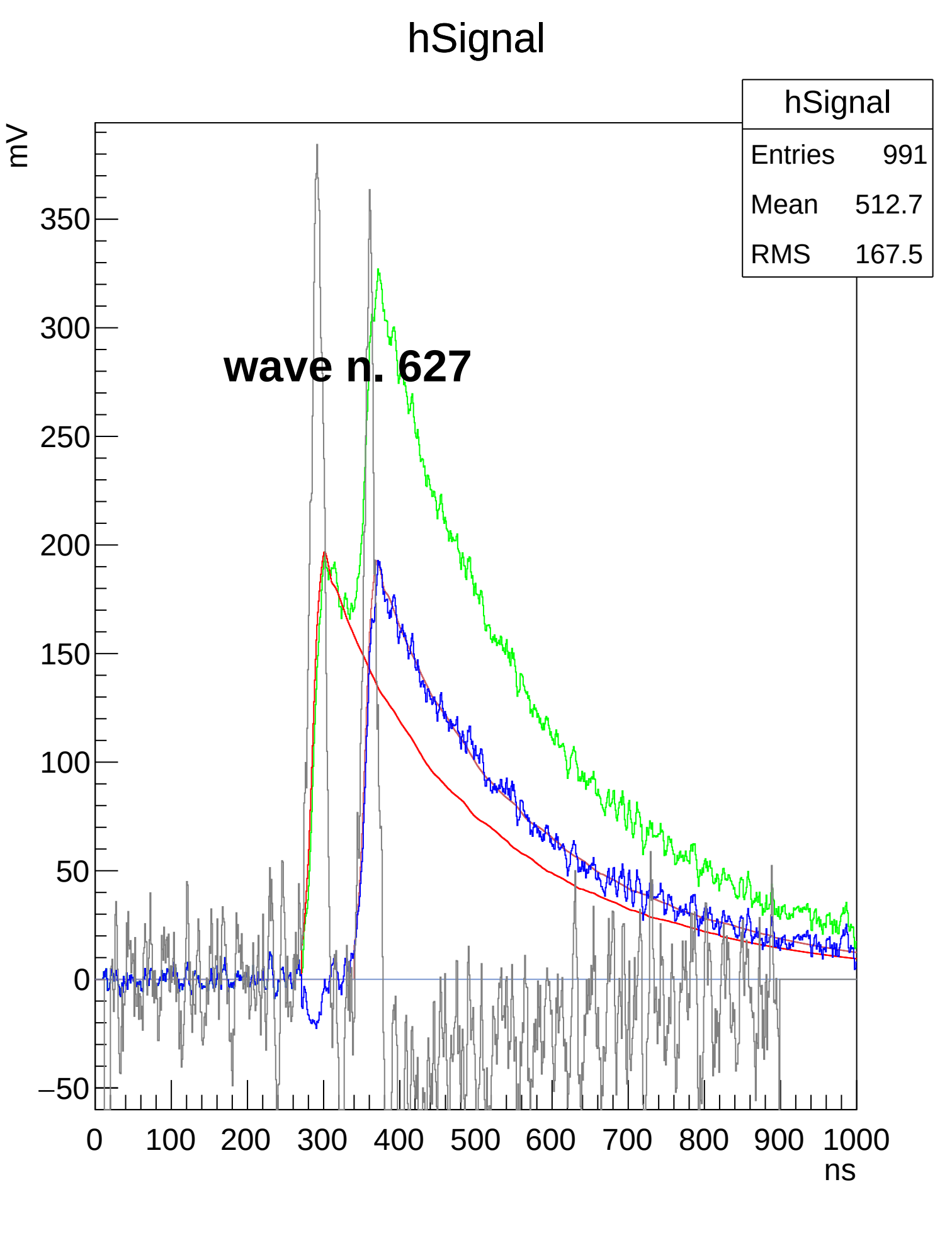

hSignal
hSignal
Entries 991
Mean 521.9
RMS 167.3
wave n. 622
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

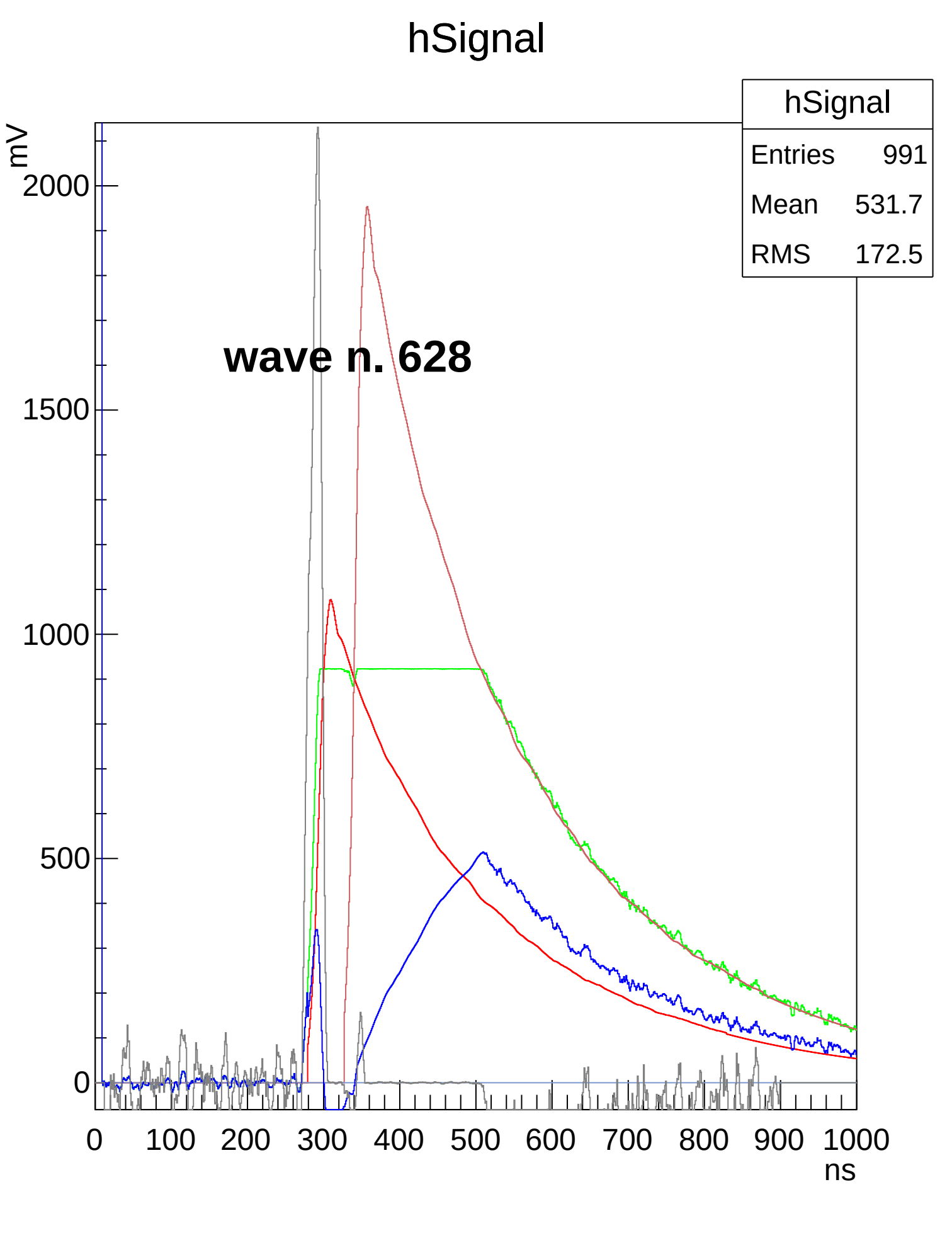

hSignal
hSignal
Entries 991
Mean 526.5
RMS 172.4
wave n. 623
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

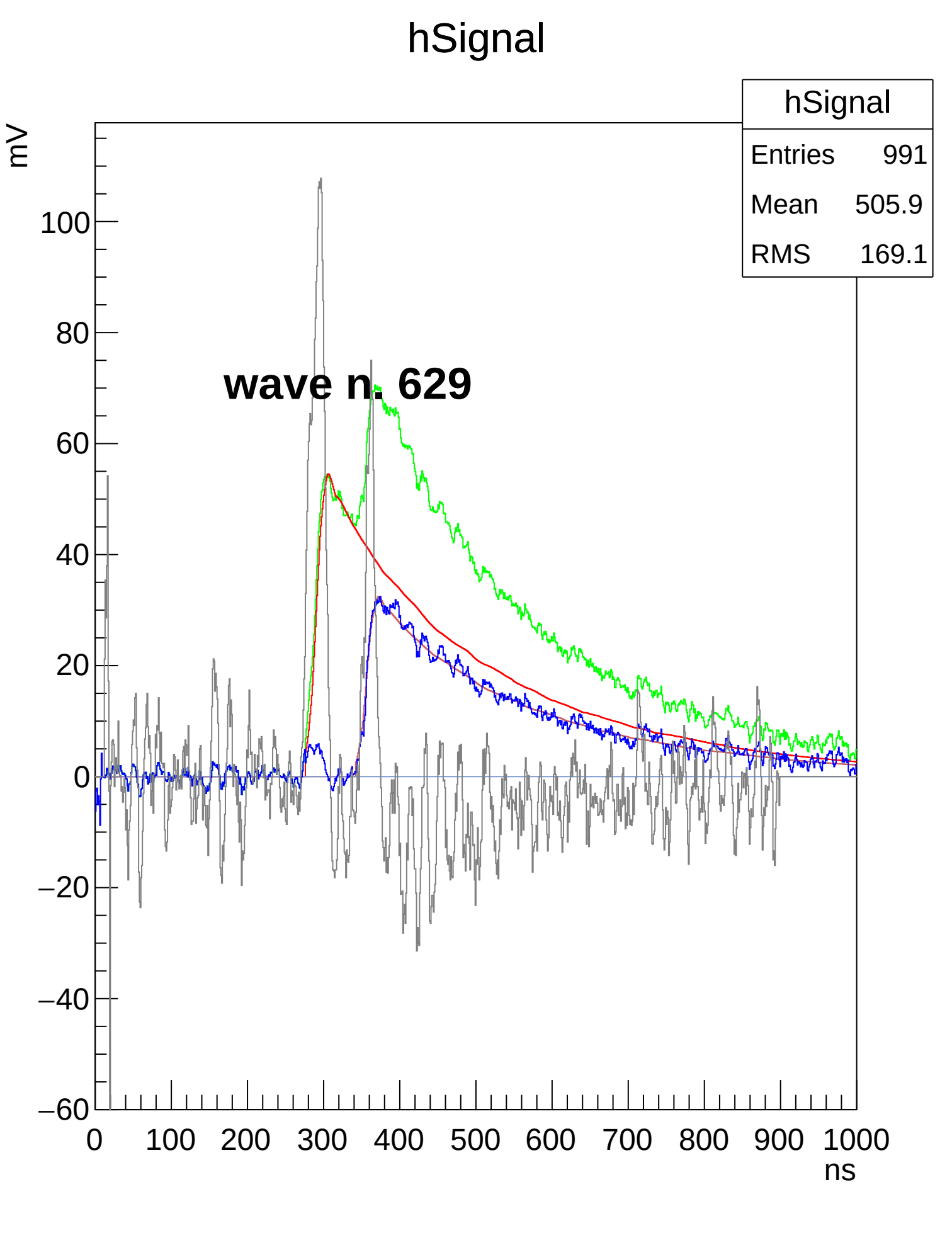

hSignal
hSignal
Entries 991
Mean 454.3
RMS 177.1
wave n. 624
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

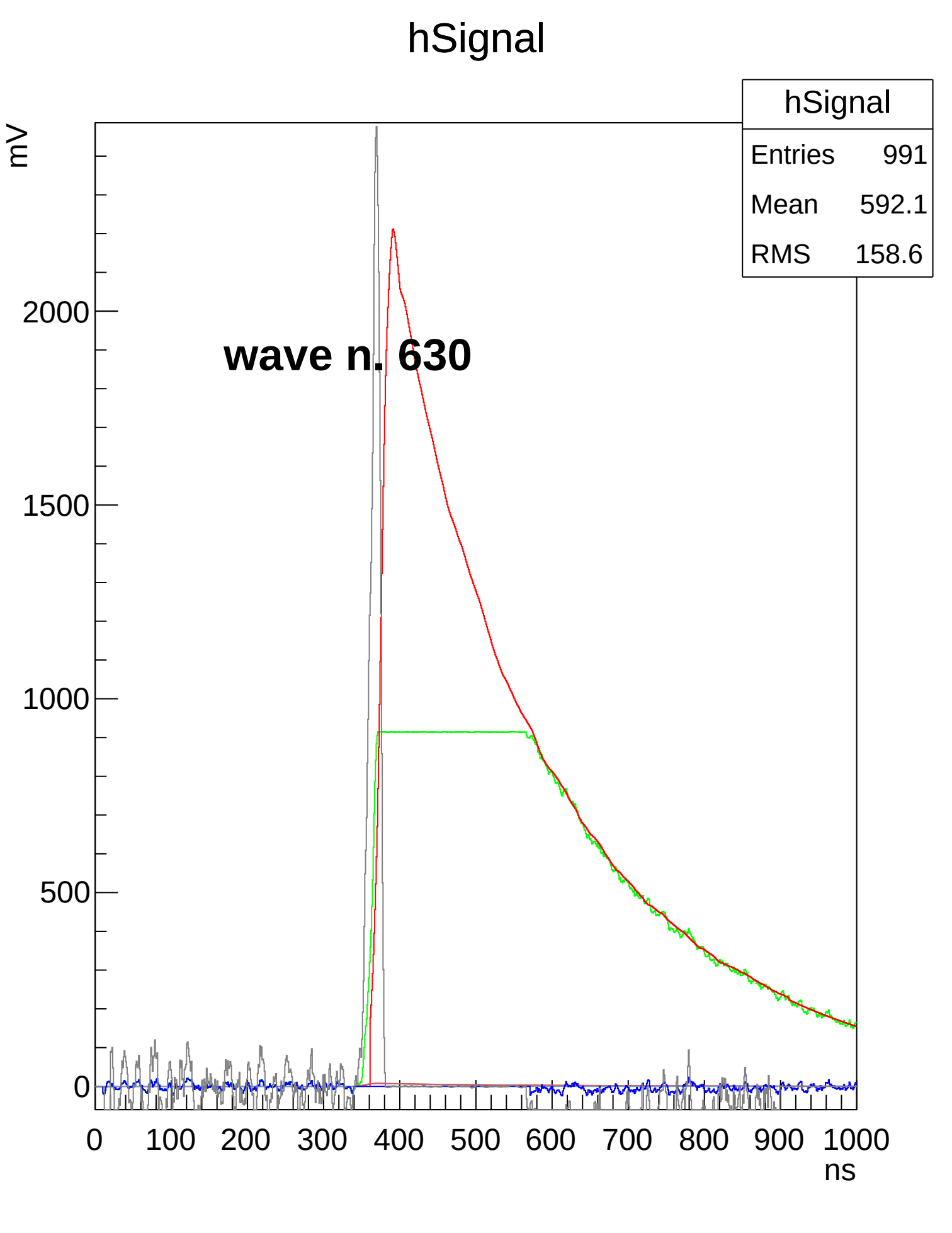

hSignal
hSignal
Entries 991
Mean 475.8
RMS 174.8
wave n. 625
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

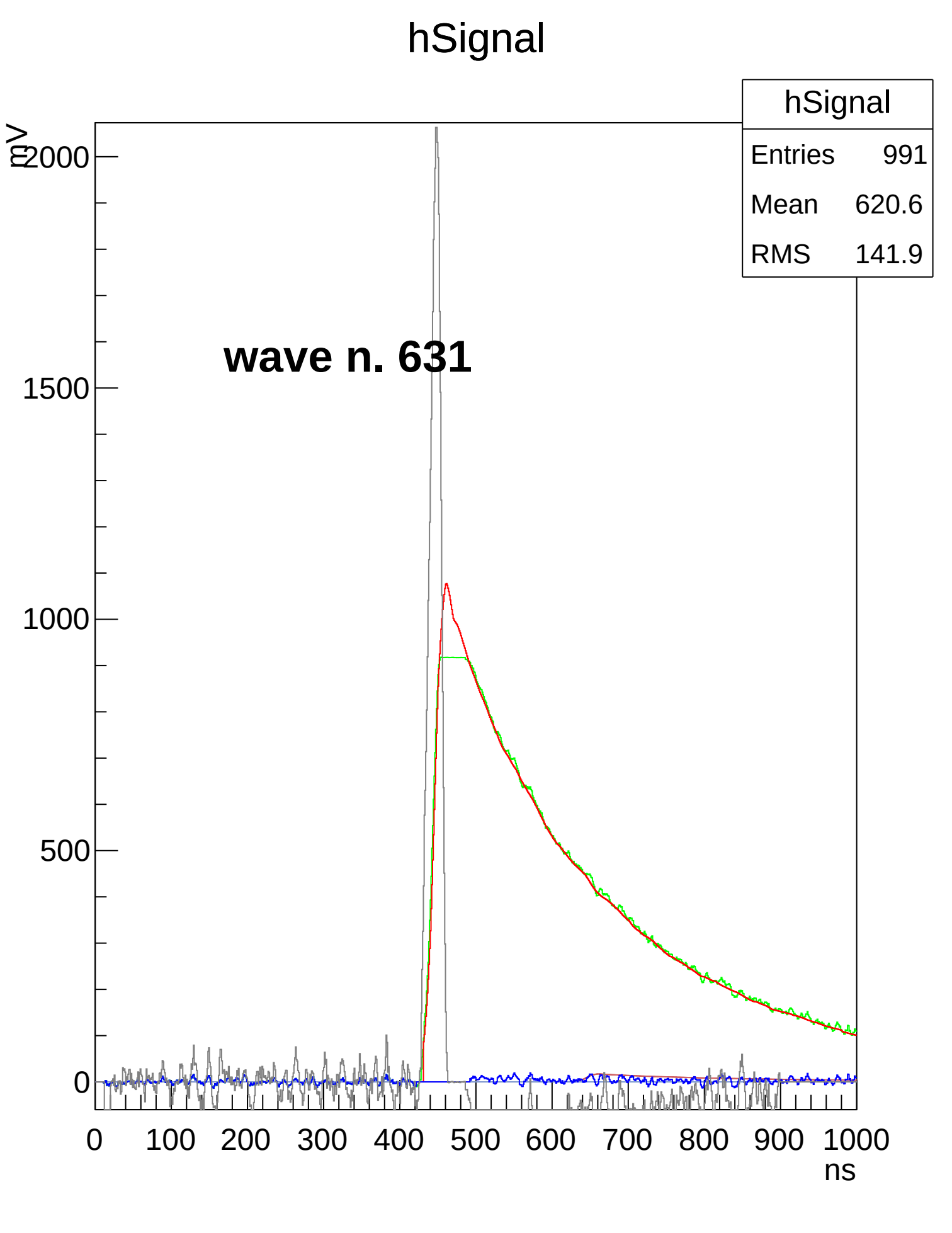

hSignal
hSignal
Entries 991
Mean 499.5
RMS 170.4
wave n. 626
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

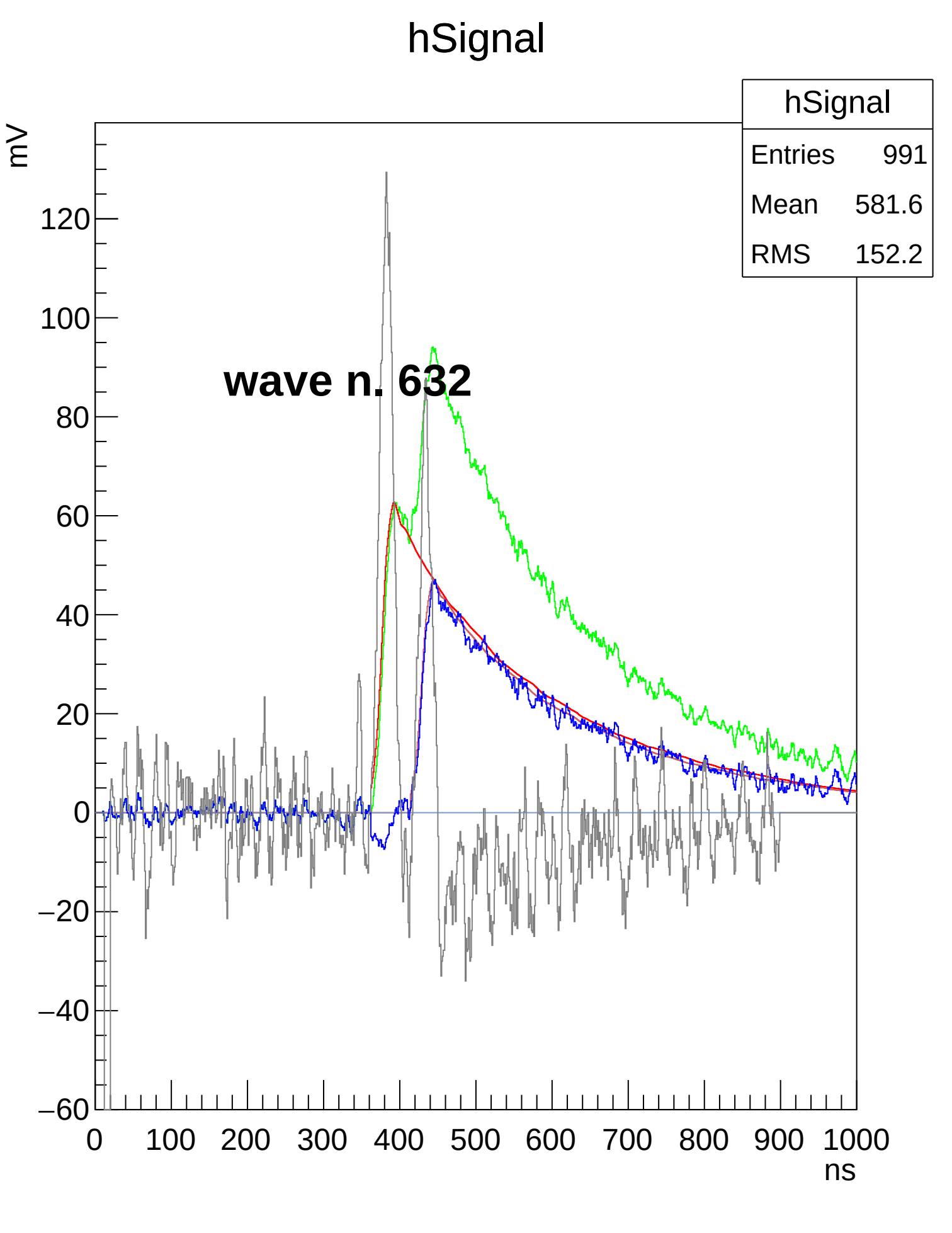

hSignal
hSignal
Entries 991
Mean 512.7
RMS 167.5
wave n. 627
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

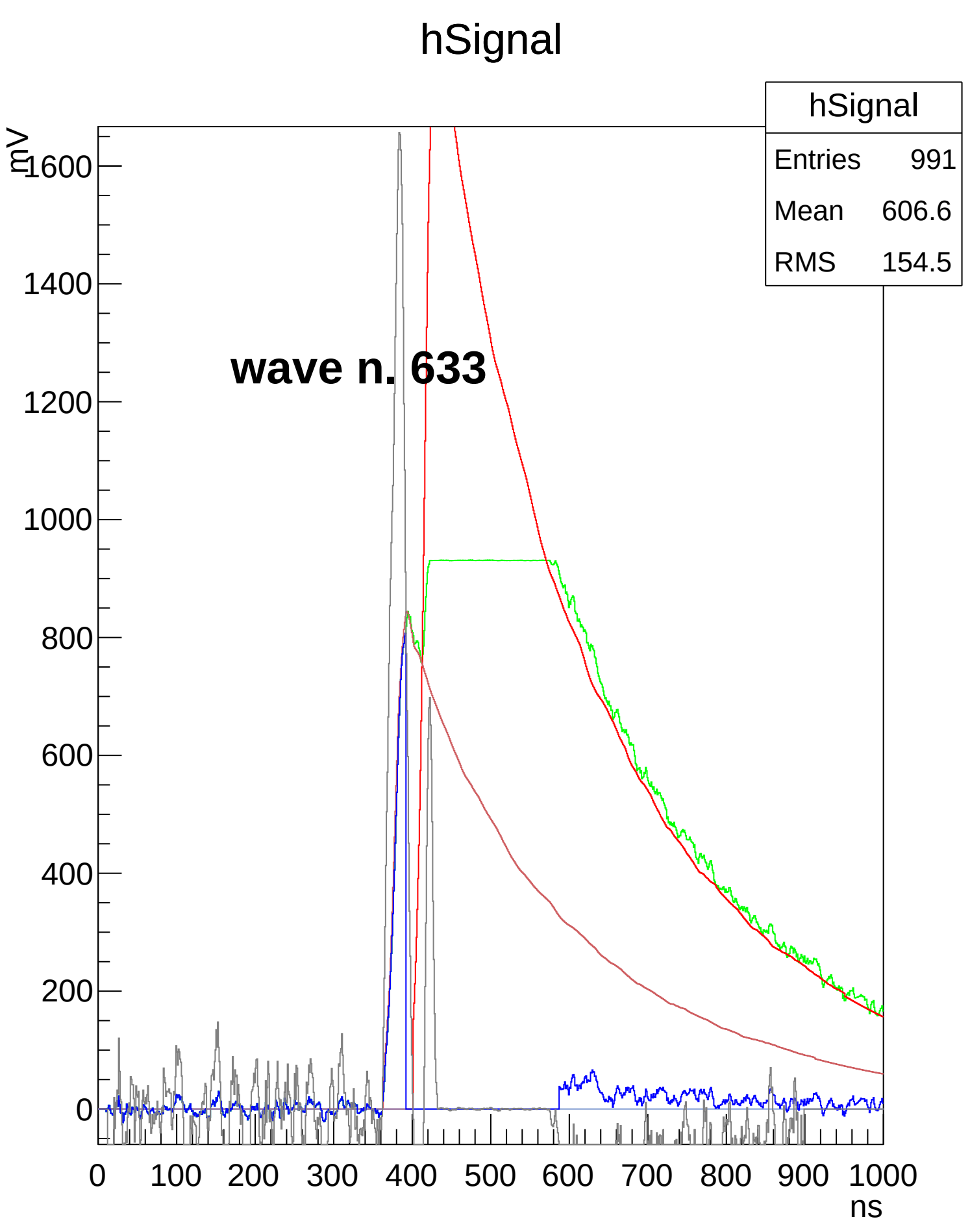

hSignal
hSignal
Entries 991
Mean 531.7
RMS 172.5
wave n. 628
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

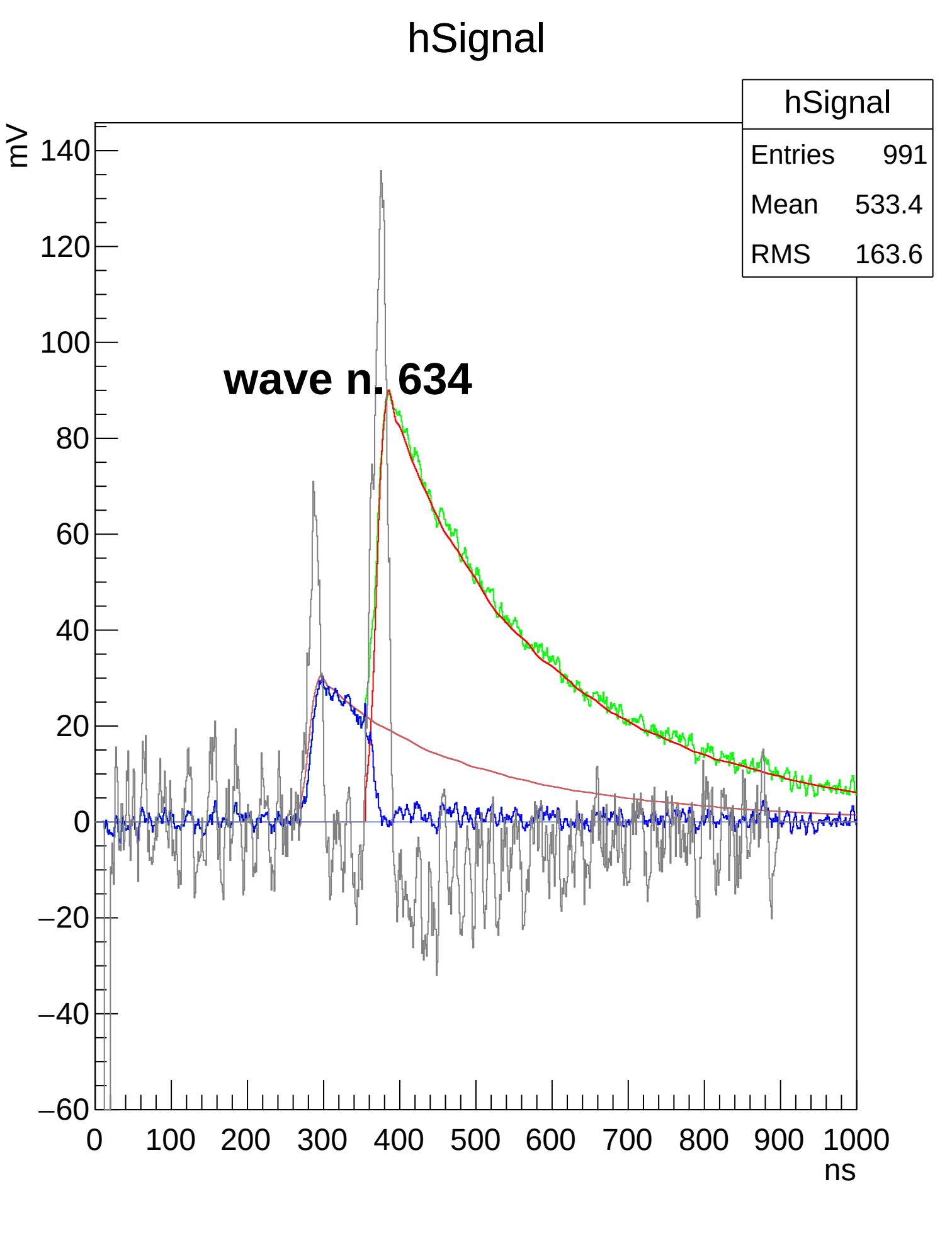

hSignal
hSignal
Entries 991
Mean 505.9
RMS 169.1
wave n. 629
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

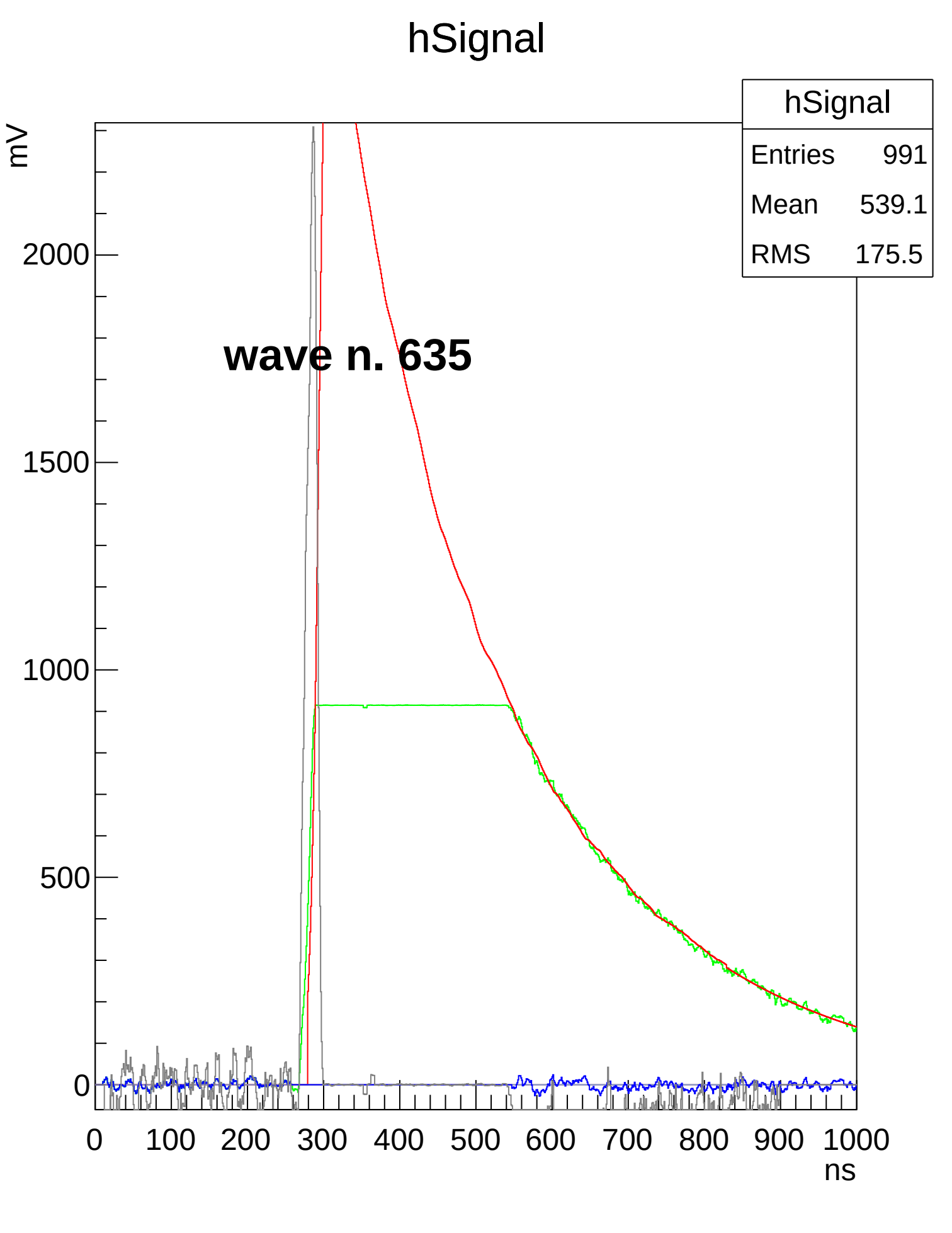

hSignal
hSignal
Entries 991
Mean 592.1
RMS 158.6
wave n. 630
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

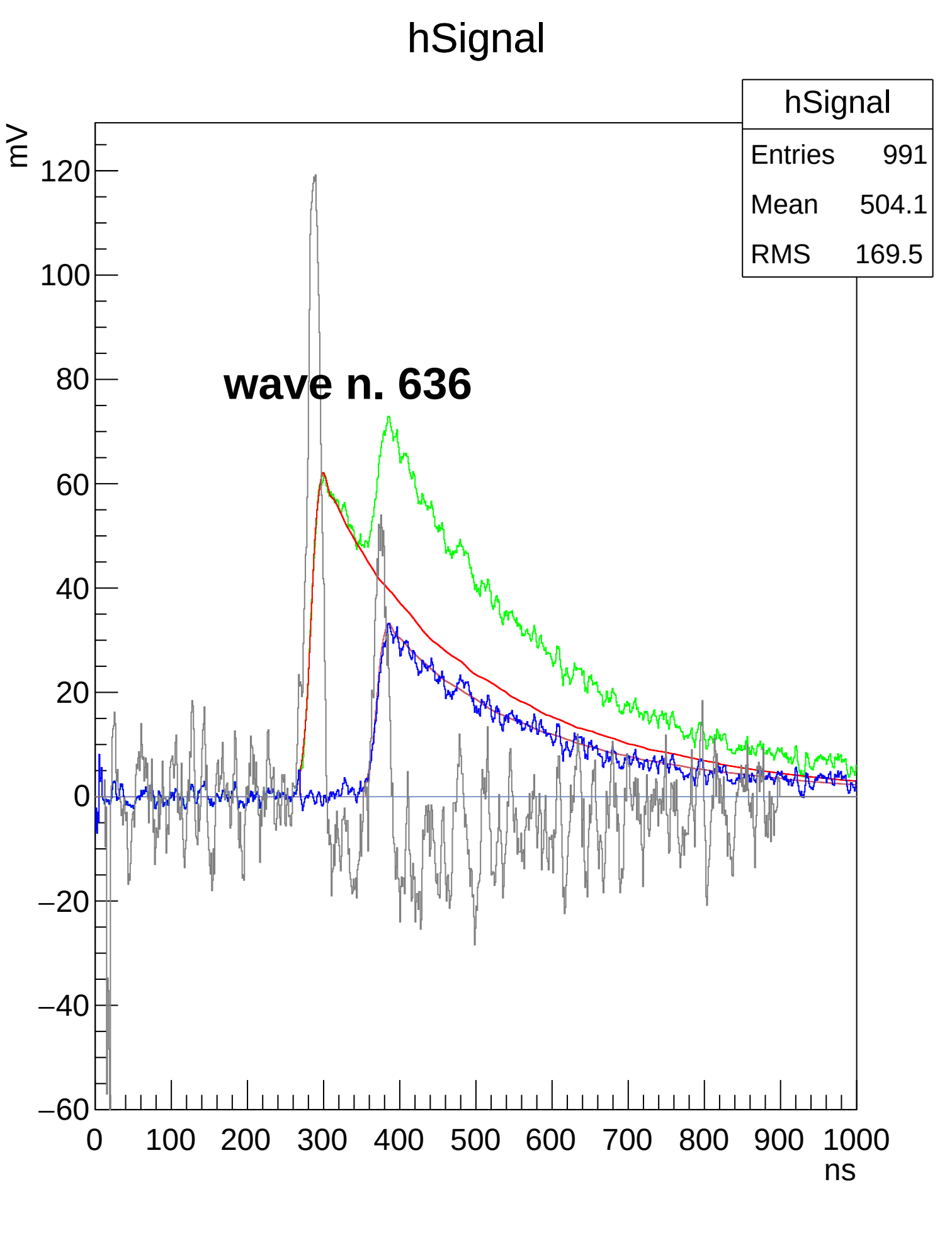

hSignal
hSignal
Entries 991
Mean 620.6
RMS 141.9
wave n. 631
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

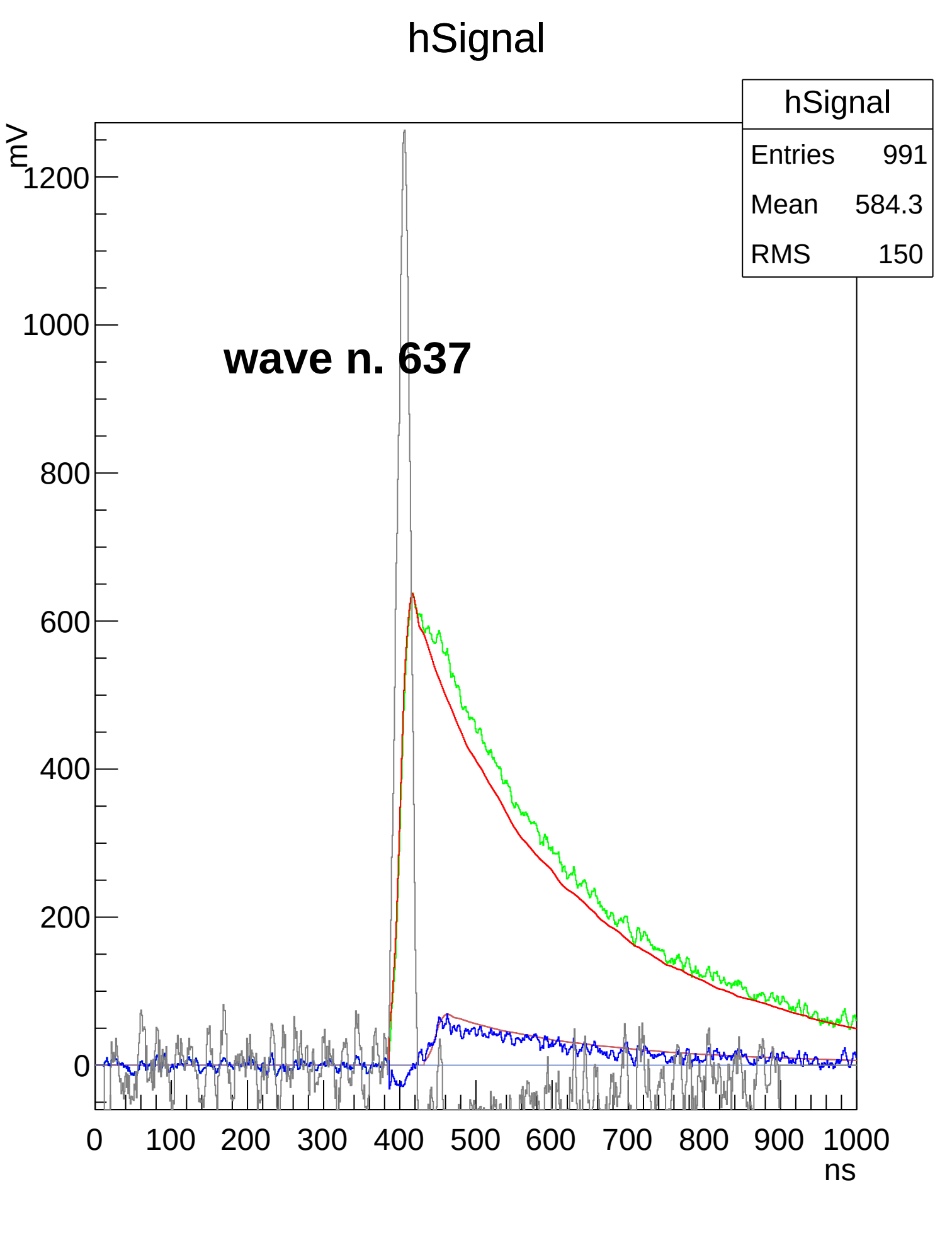

hSignal
hSignal
Entries 991
Mean 581.6
RMS 152.2
wave n. 632
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

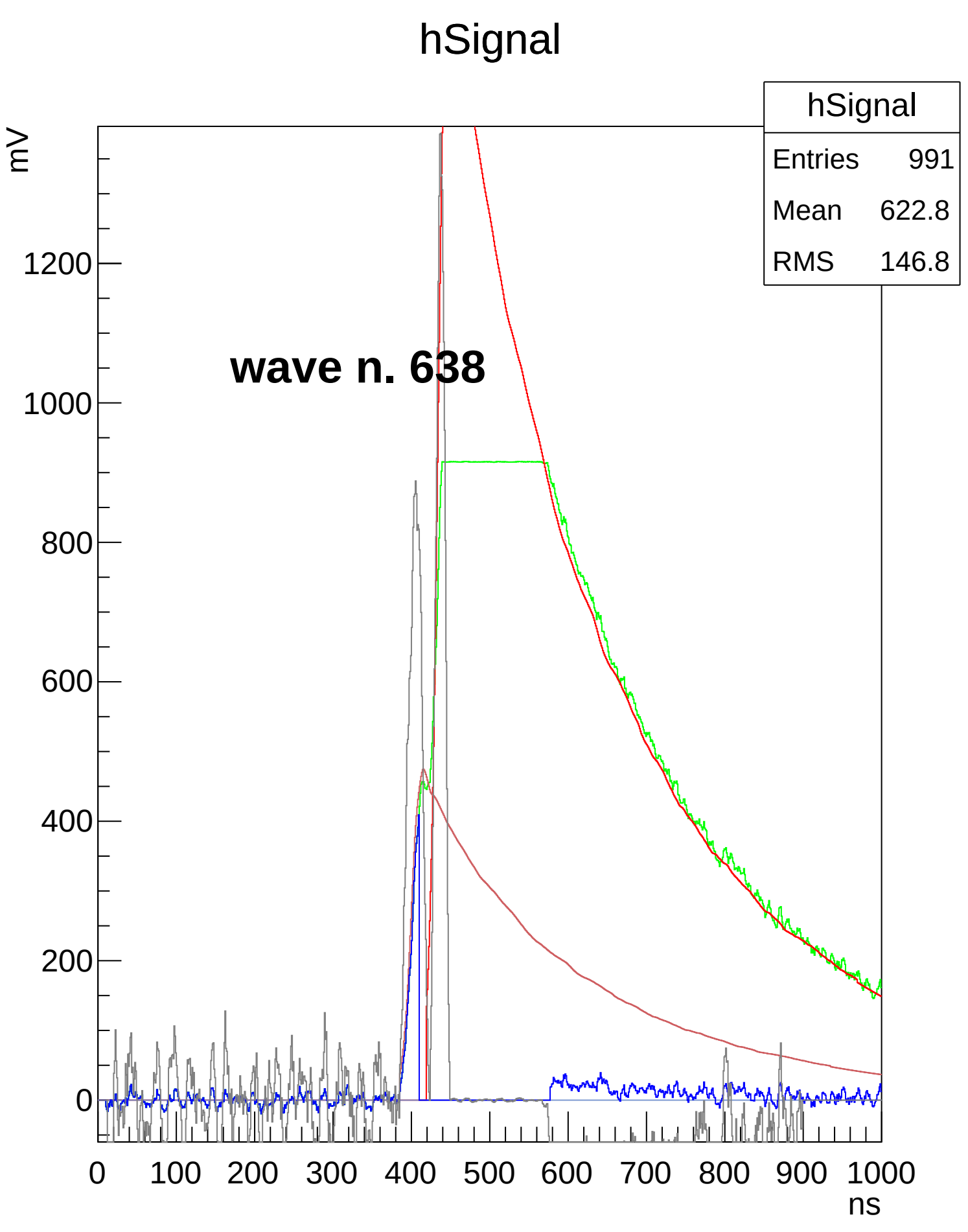

hSignal
hSignal
Entries 991
Mean 606.6
RMS 154.5
wave n. 633
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

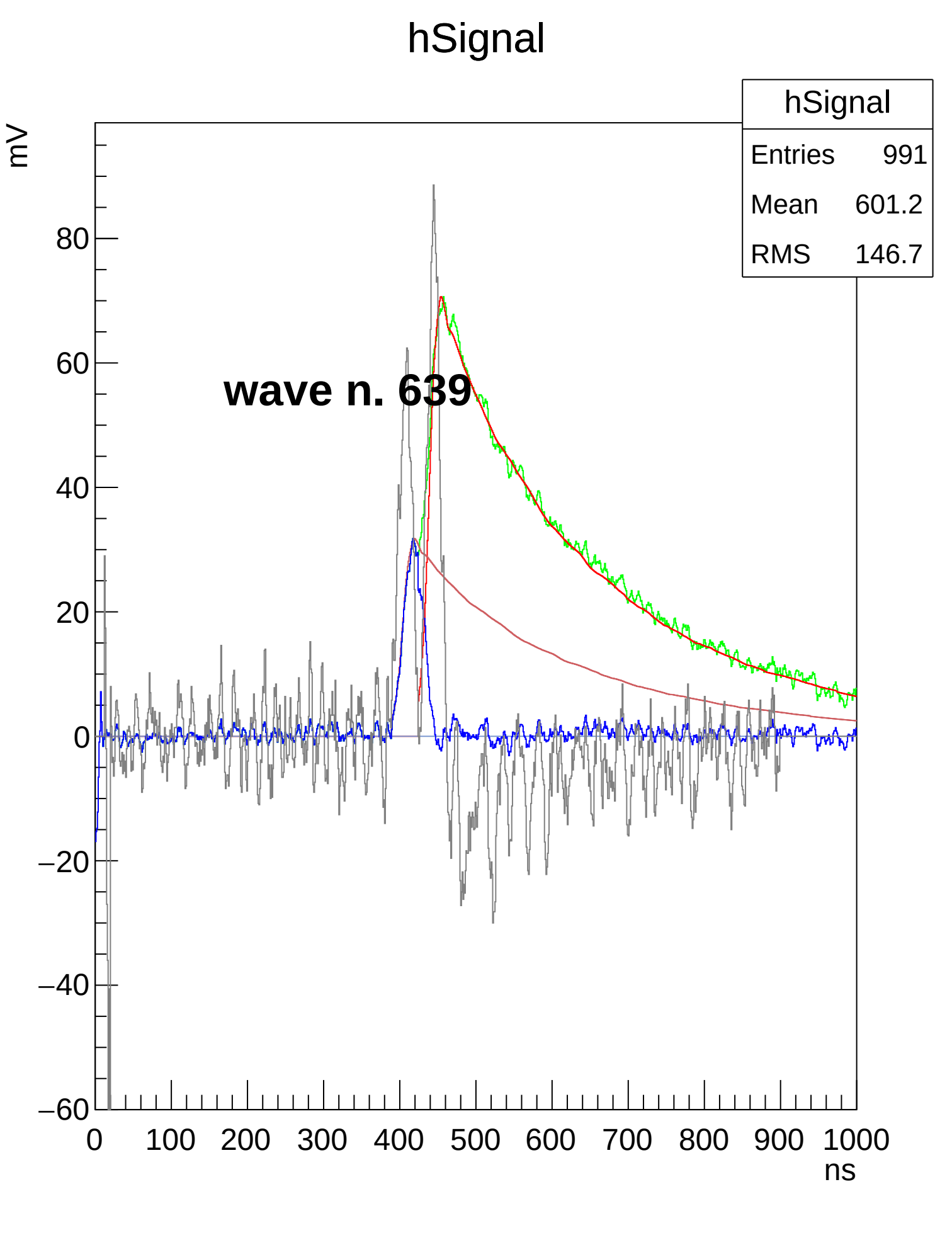

hSignal
hSignal
Entries 991
Mean 533.4
RMS 163.6
wave n. 634
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

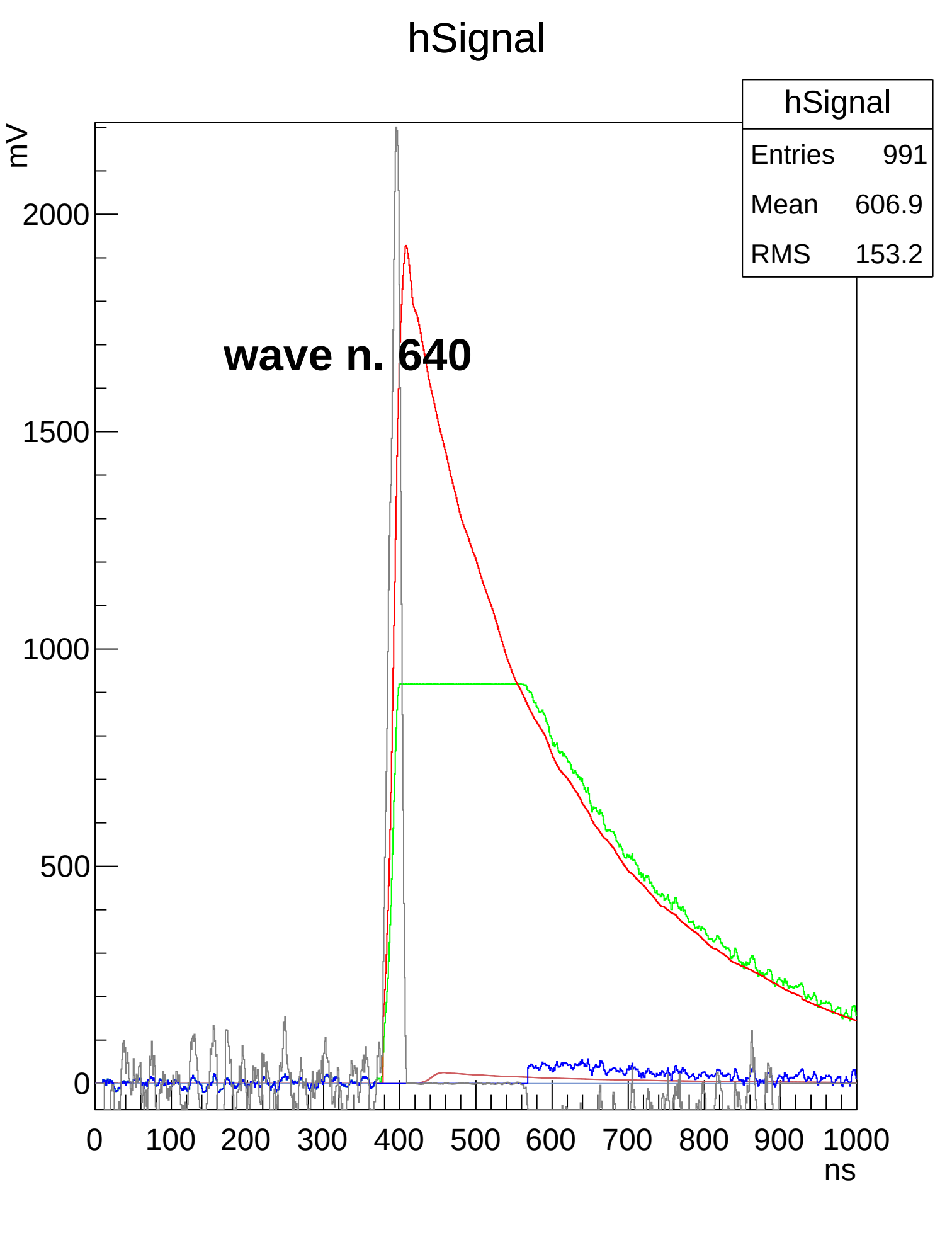

hSignal
hSignal
Entries 991
Mean 539.1
RMS 175.5
wave n. 635
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

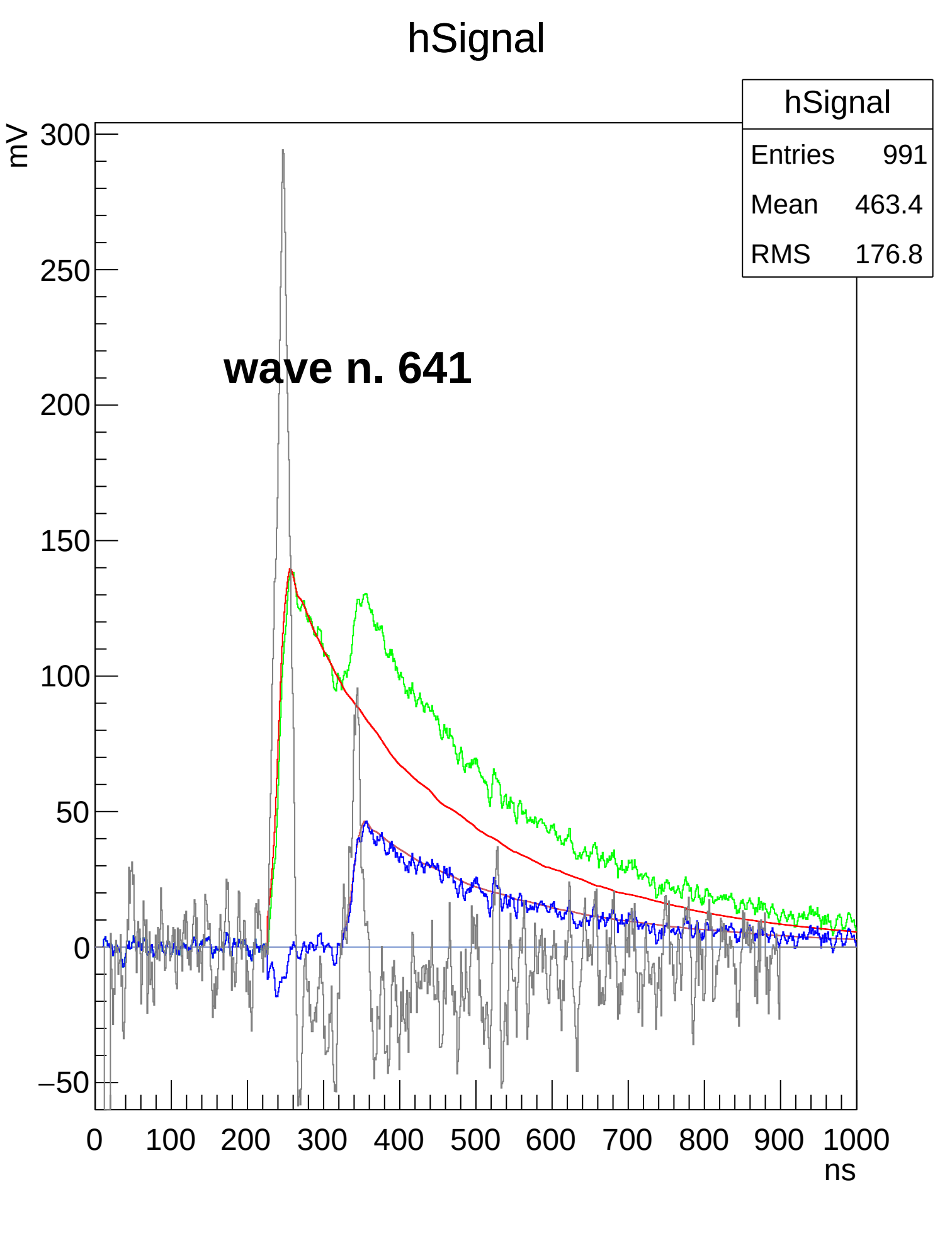

hSignal
hSignal
Entries 991
Mean 504.1
RMS 169.5
wave n. 636
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

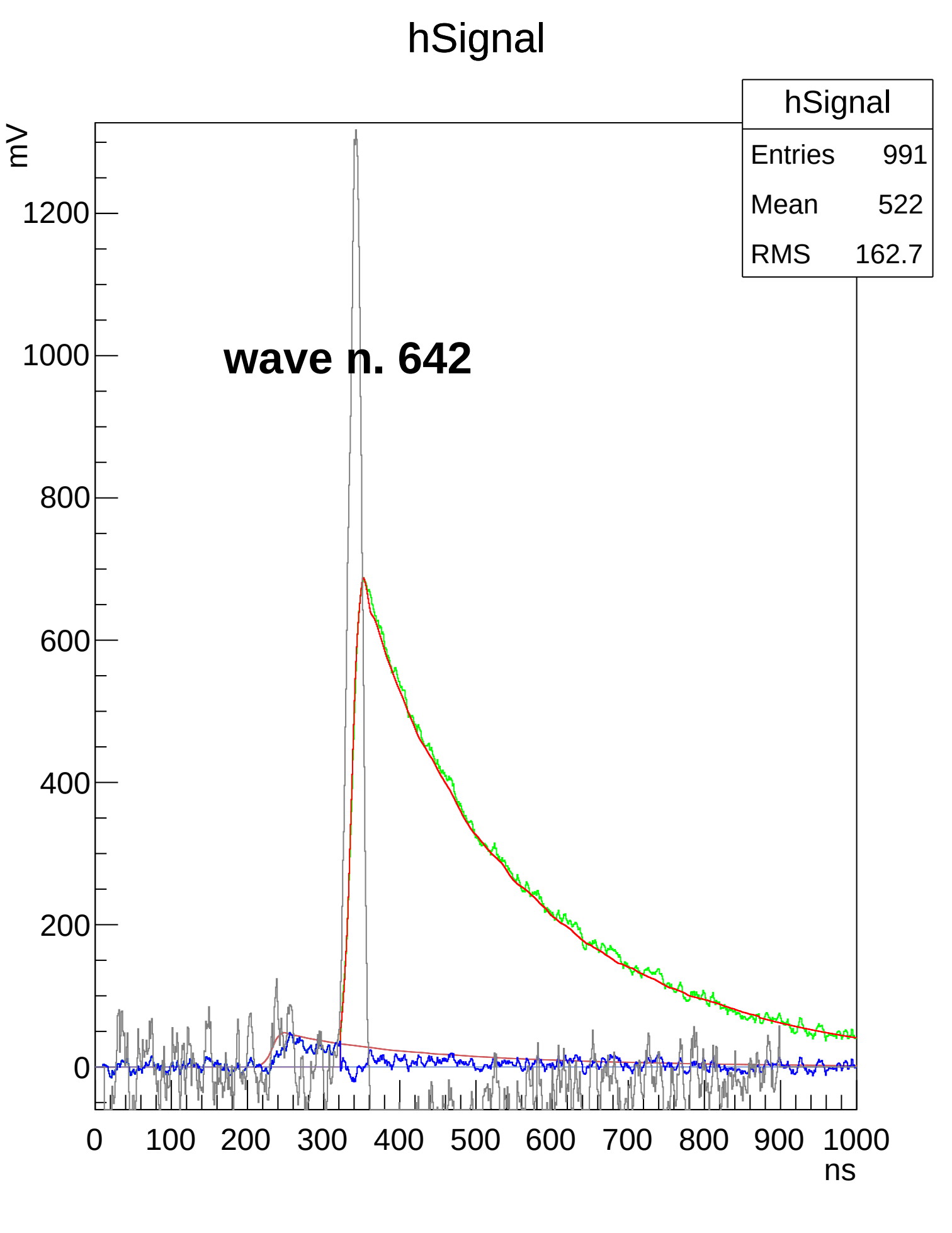

hSignal
hSignal
Entries 991
Mean 584.3
RMS 150
wave n. 637
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

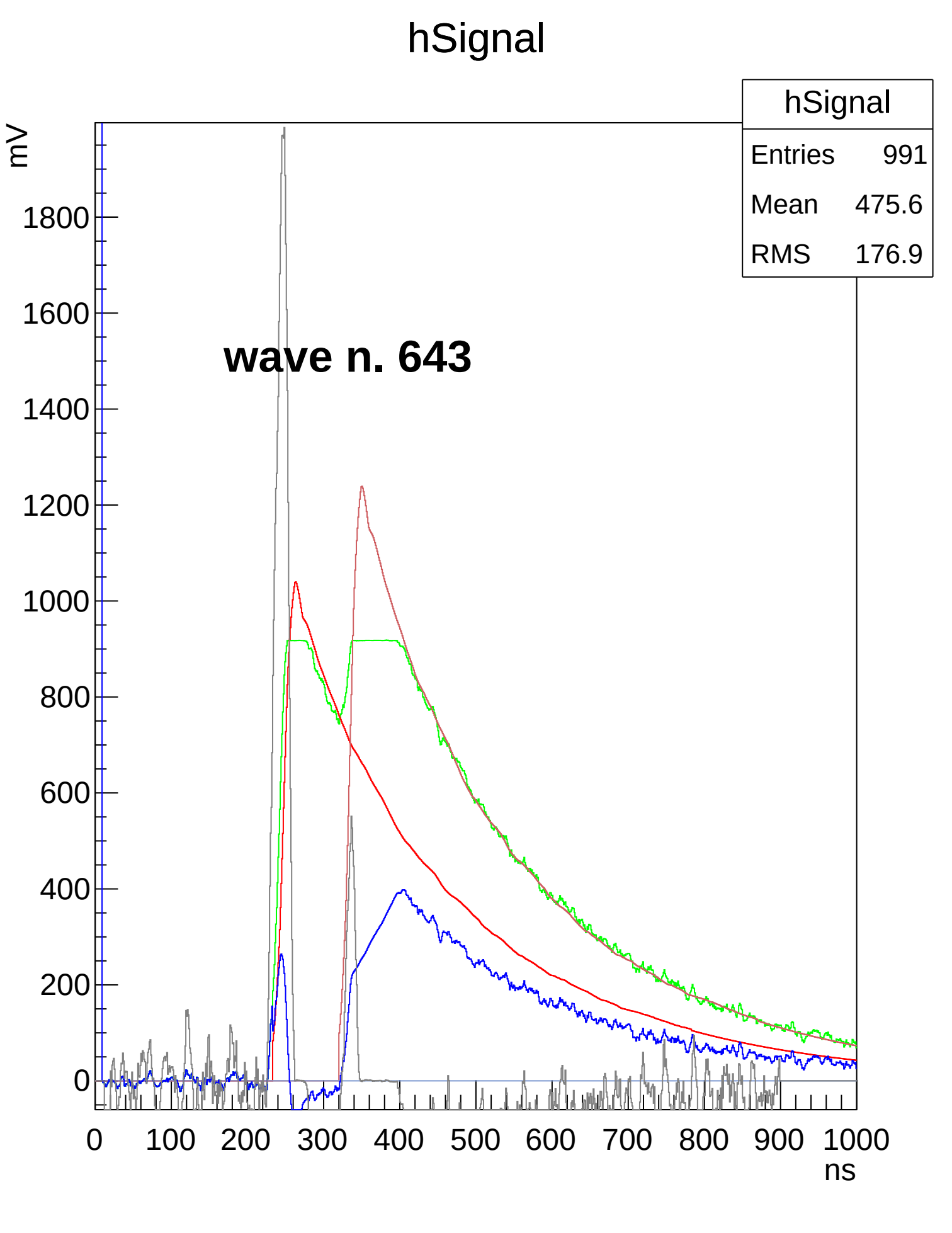

hSignal
hSignal
Entries 991
Mean 622.8
RMS 146.8
wave n. 638
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

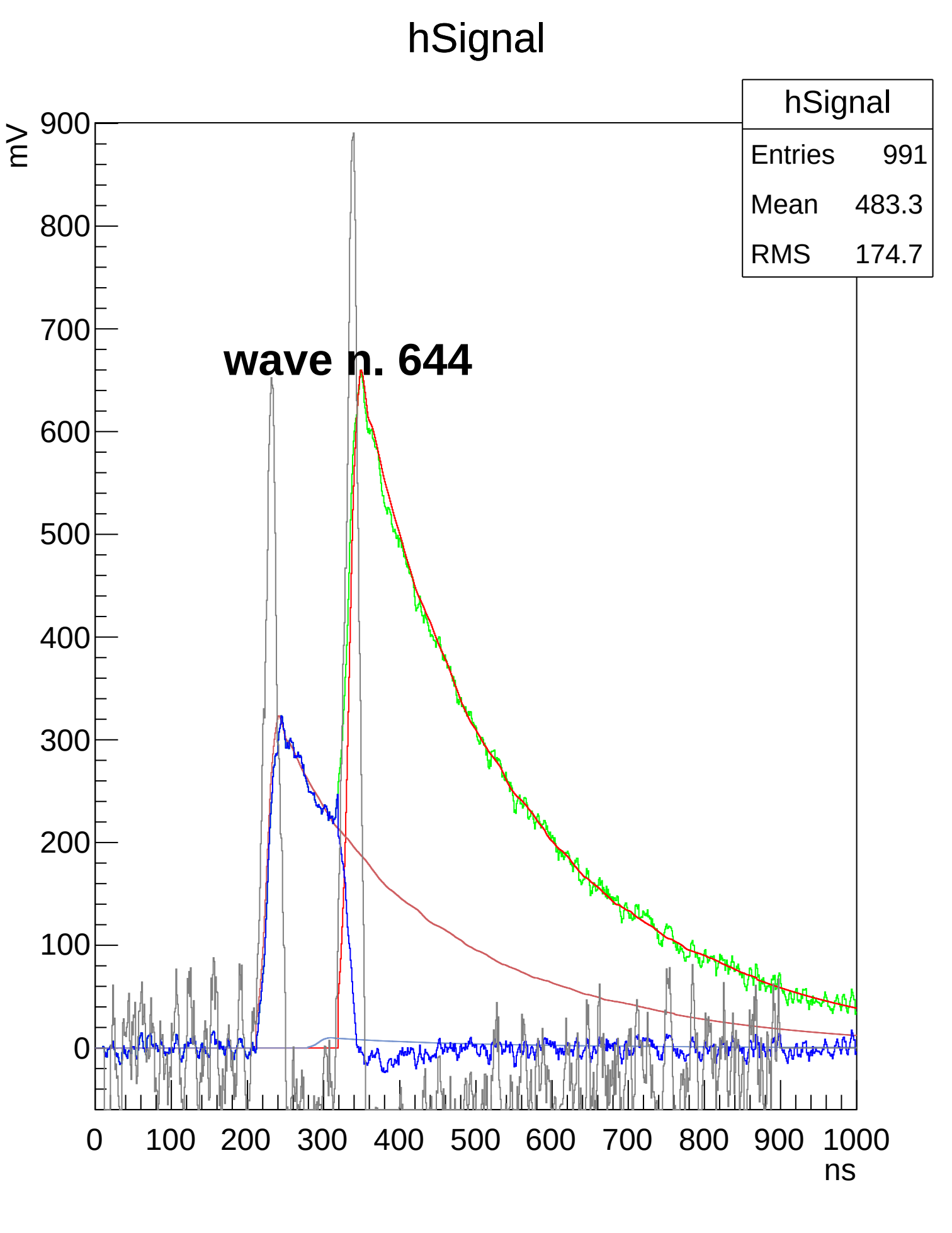

hSignal
hSignal
Entries 991
Mean 601.2
RMS 146.7
wave n. 639
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

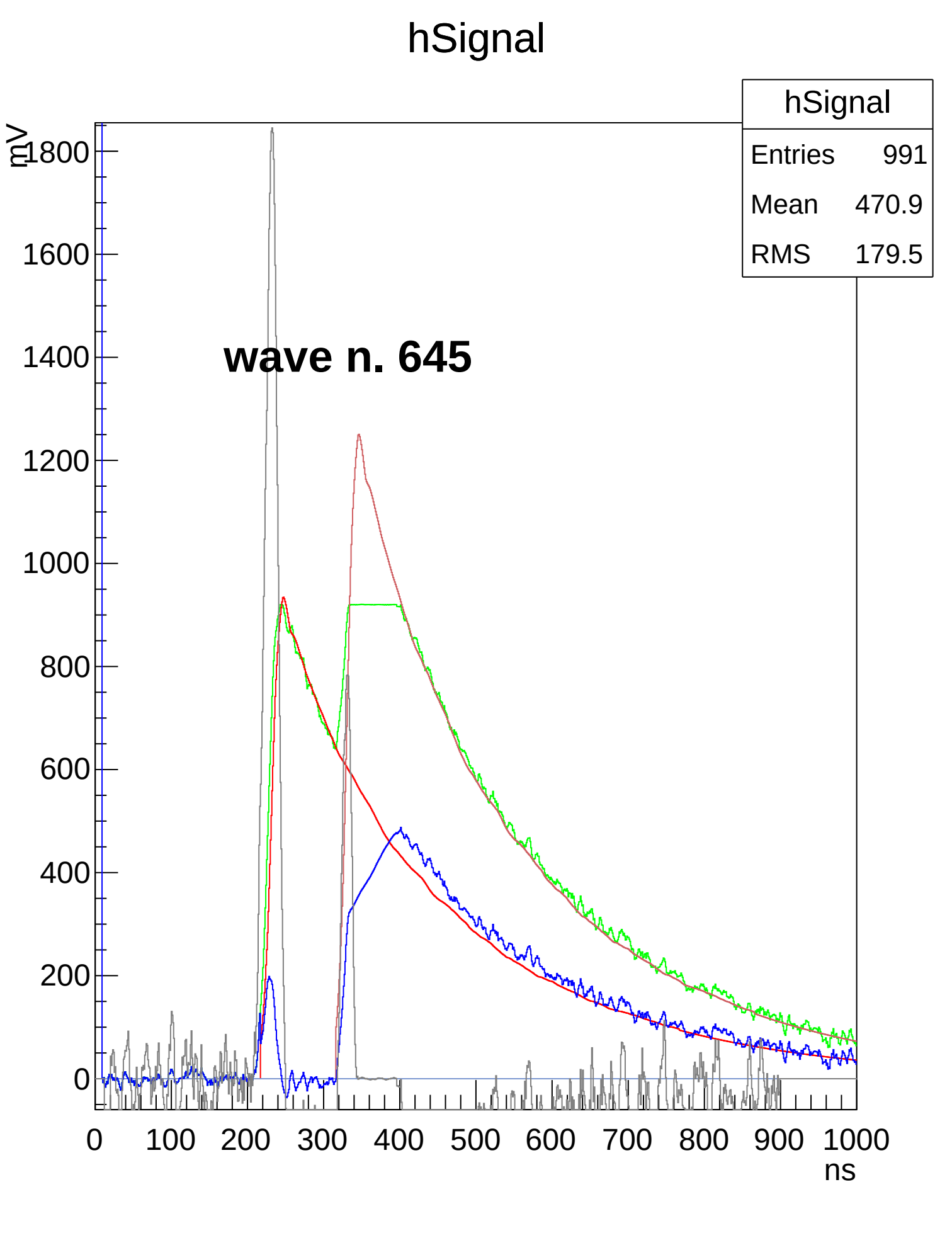

hSignal
hSignal
Entries 991
Mean 606.9
RMS 153.2
wave n. 640
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

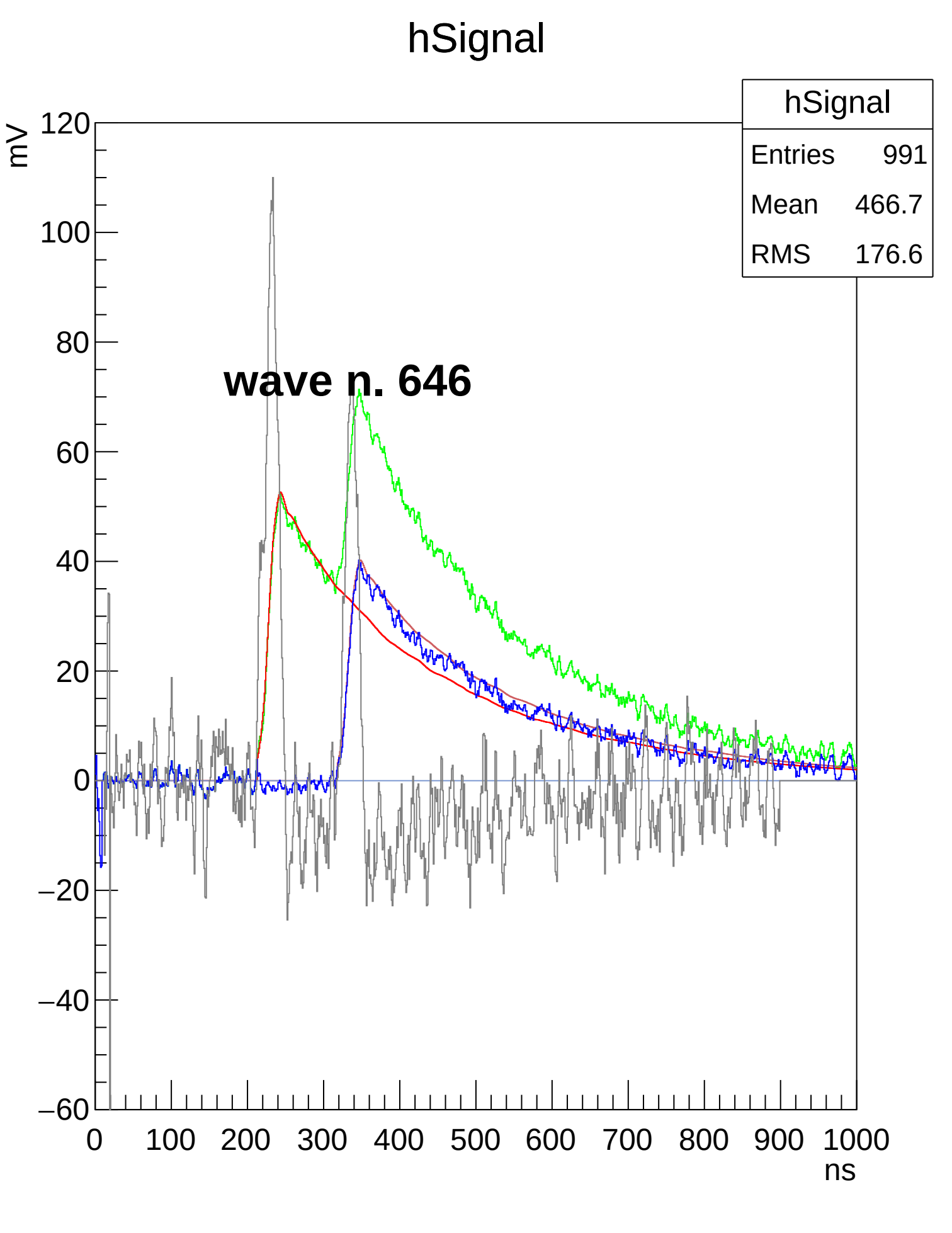

hSignal
hSignal
Entries 991
Mean 463.4
RMS 176.8
wave n. 641
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

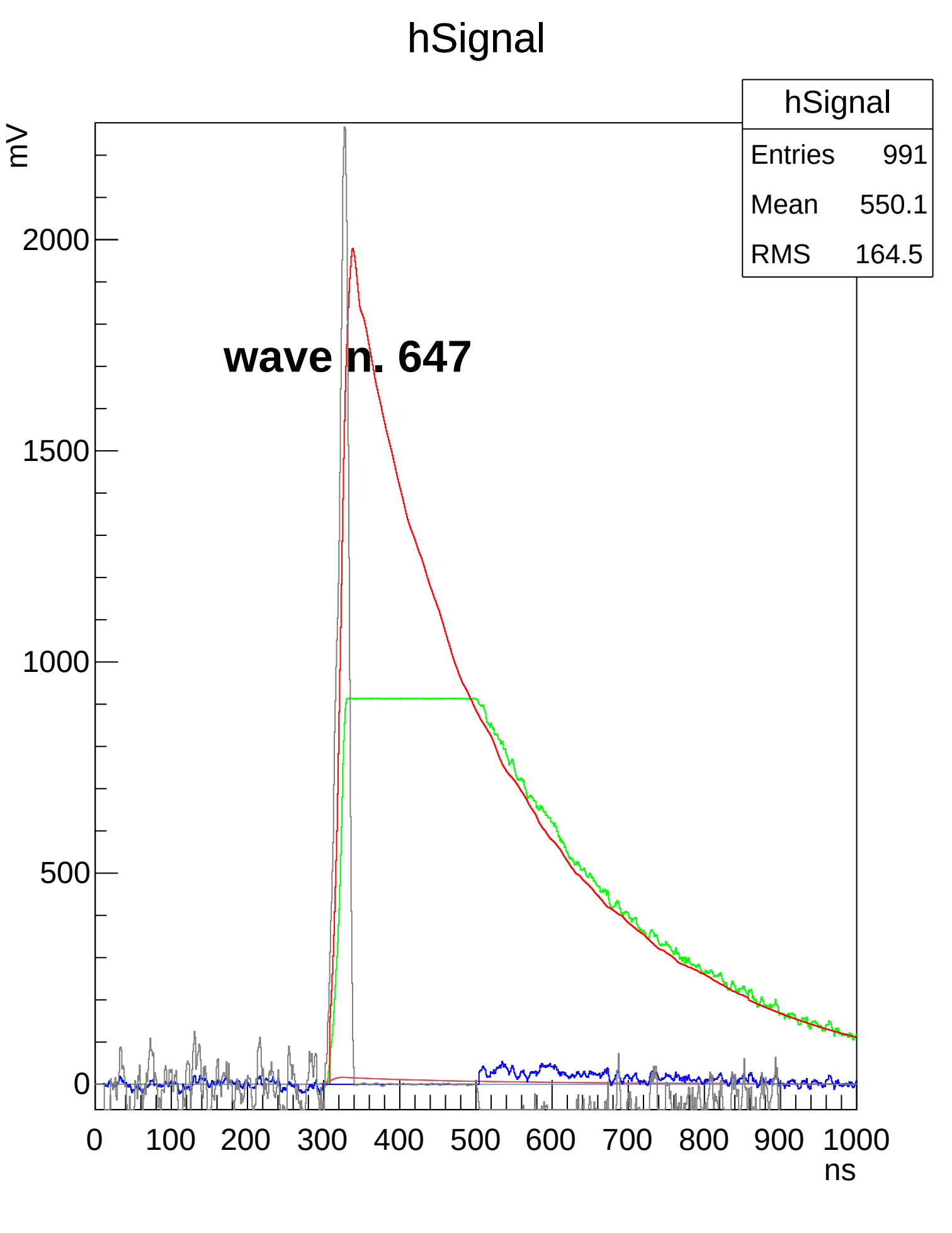

hSignal
hSignal
Entries 991
Mean 522
RMS 162.7
wave n. 642
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

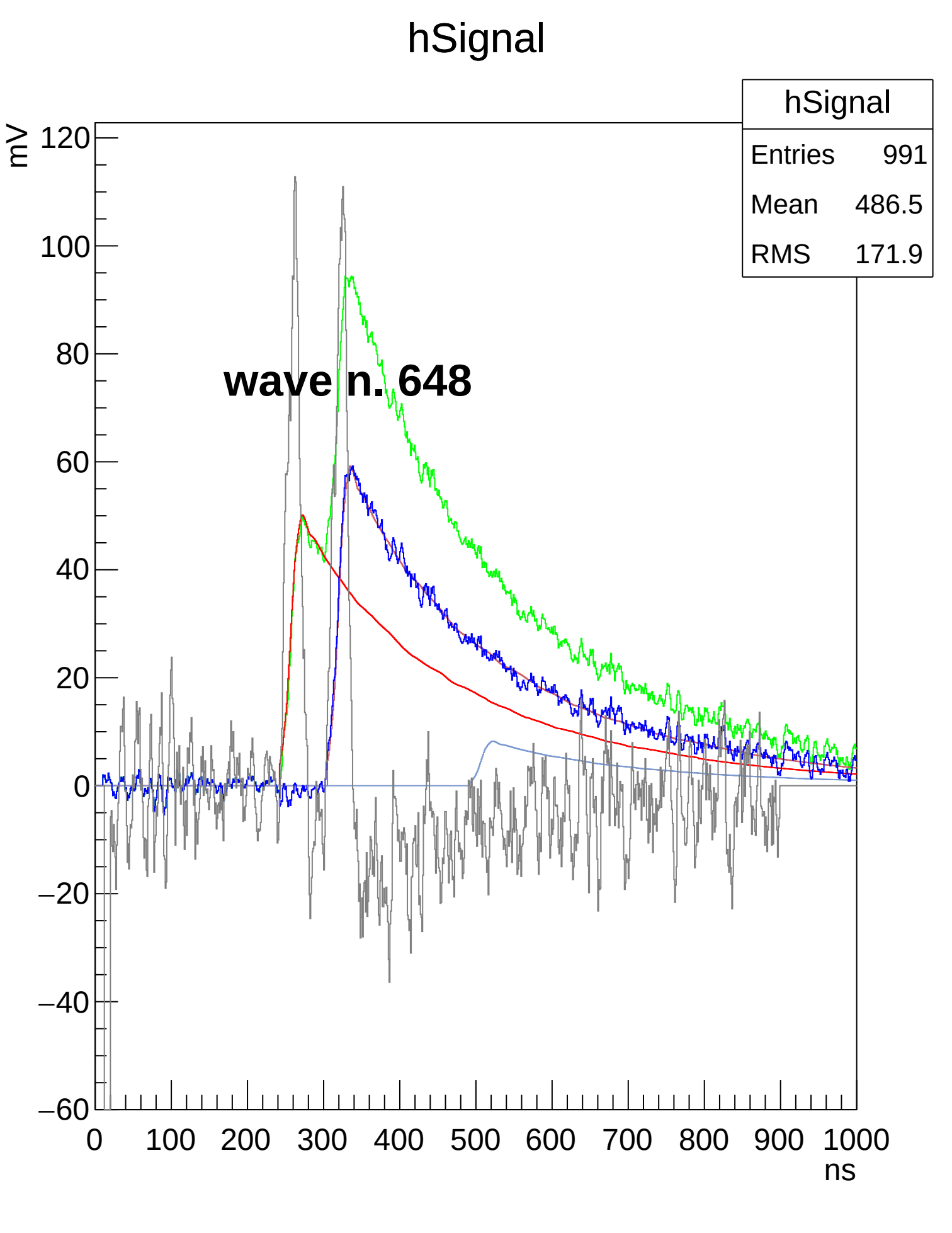

hSignal
hSignal
Entries 991
Mean 475.6
RMS 176.9
wave n. 643
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

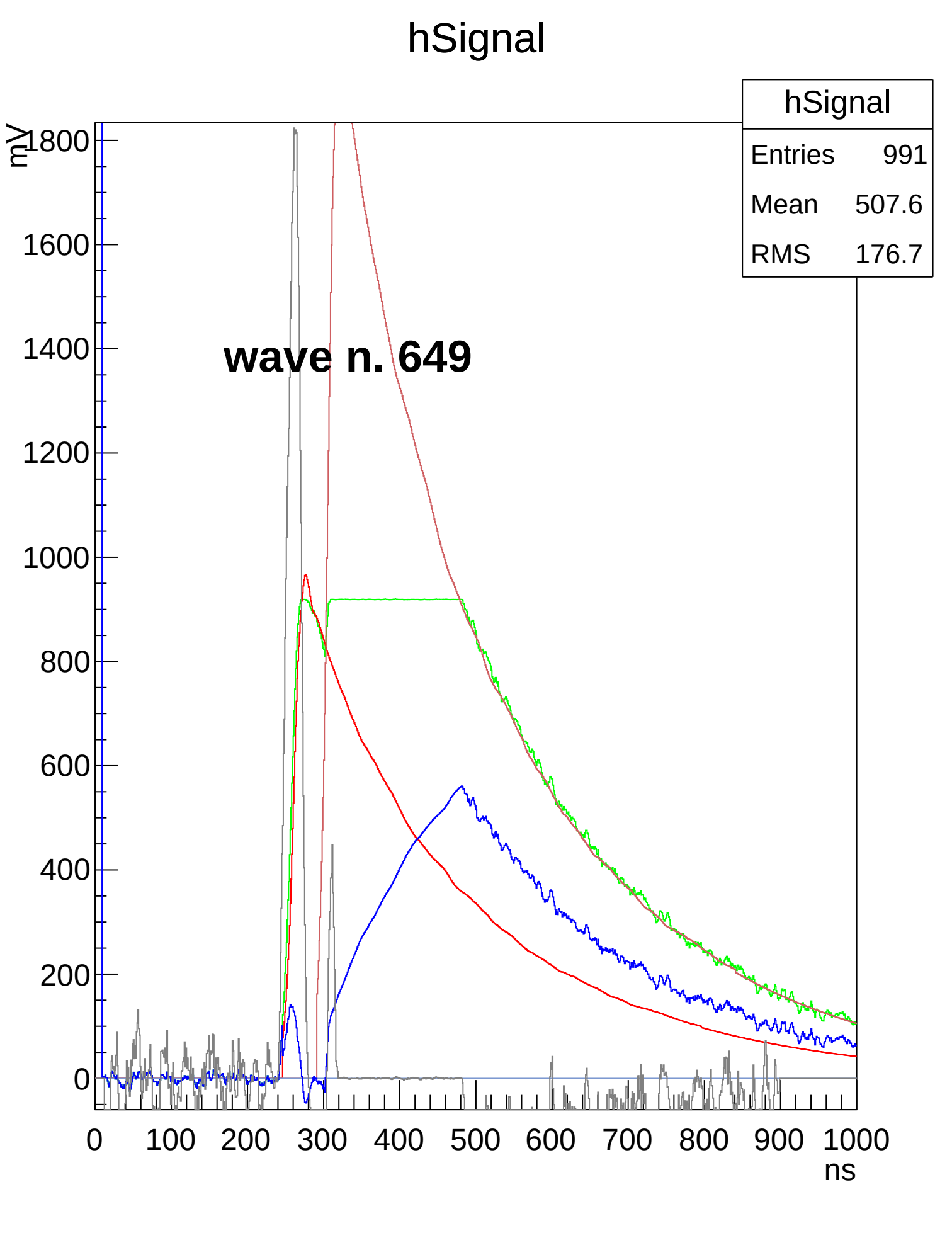

hSignal
hSignal
Entries 991
Mean 483.3
RMS 174.7
wave n. 644
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

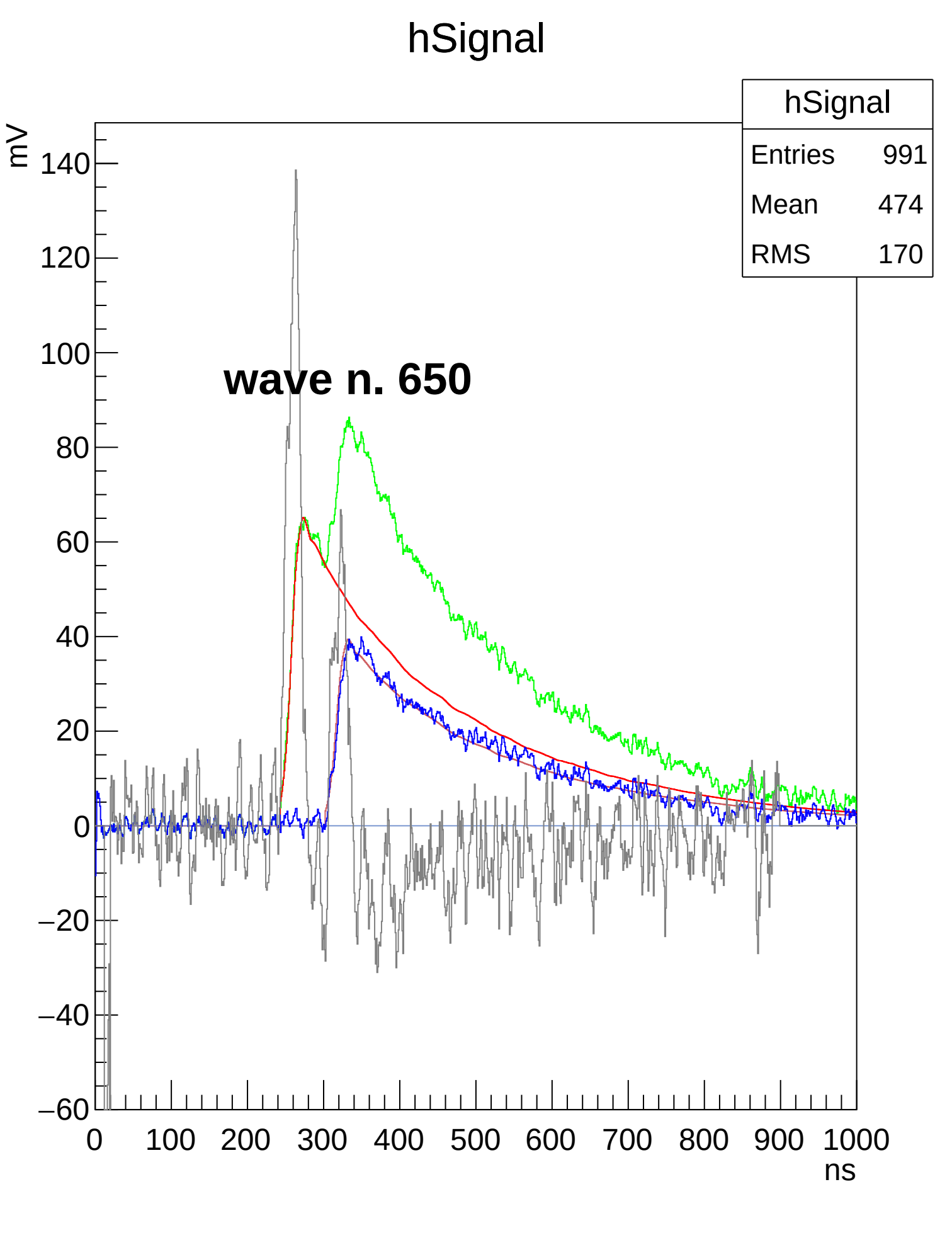

hSignal
hSignal
Entries 991
Mean 470.9
RMS 179.5
wave n. 645
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

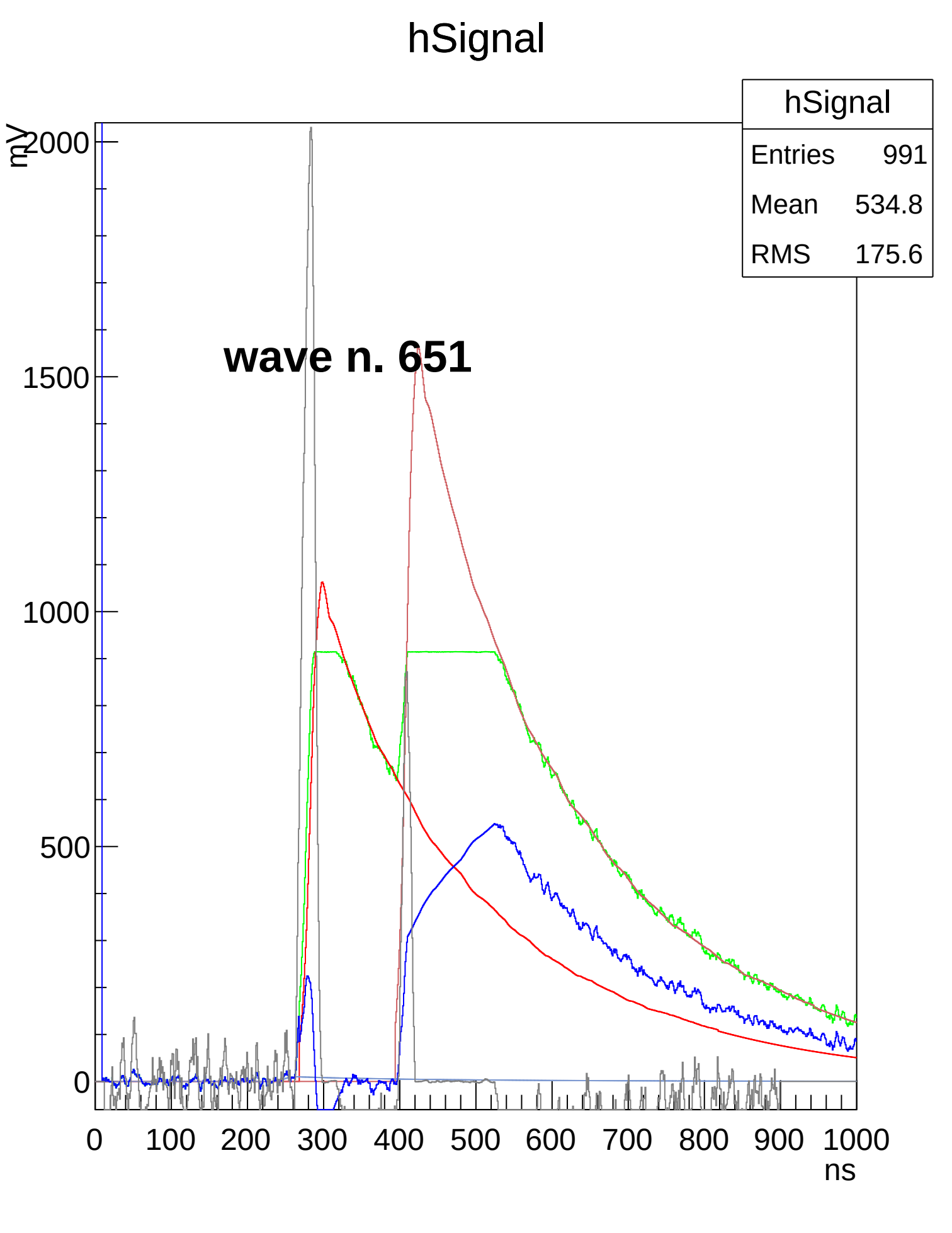

hSignal
hSignal
Entries 991
Mean 466.7
RMS 176.6
wave n. 646
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

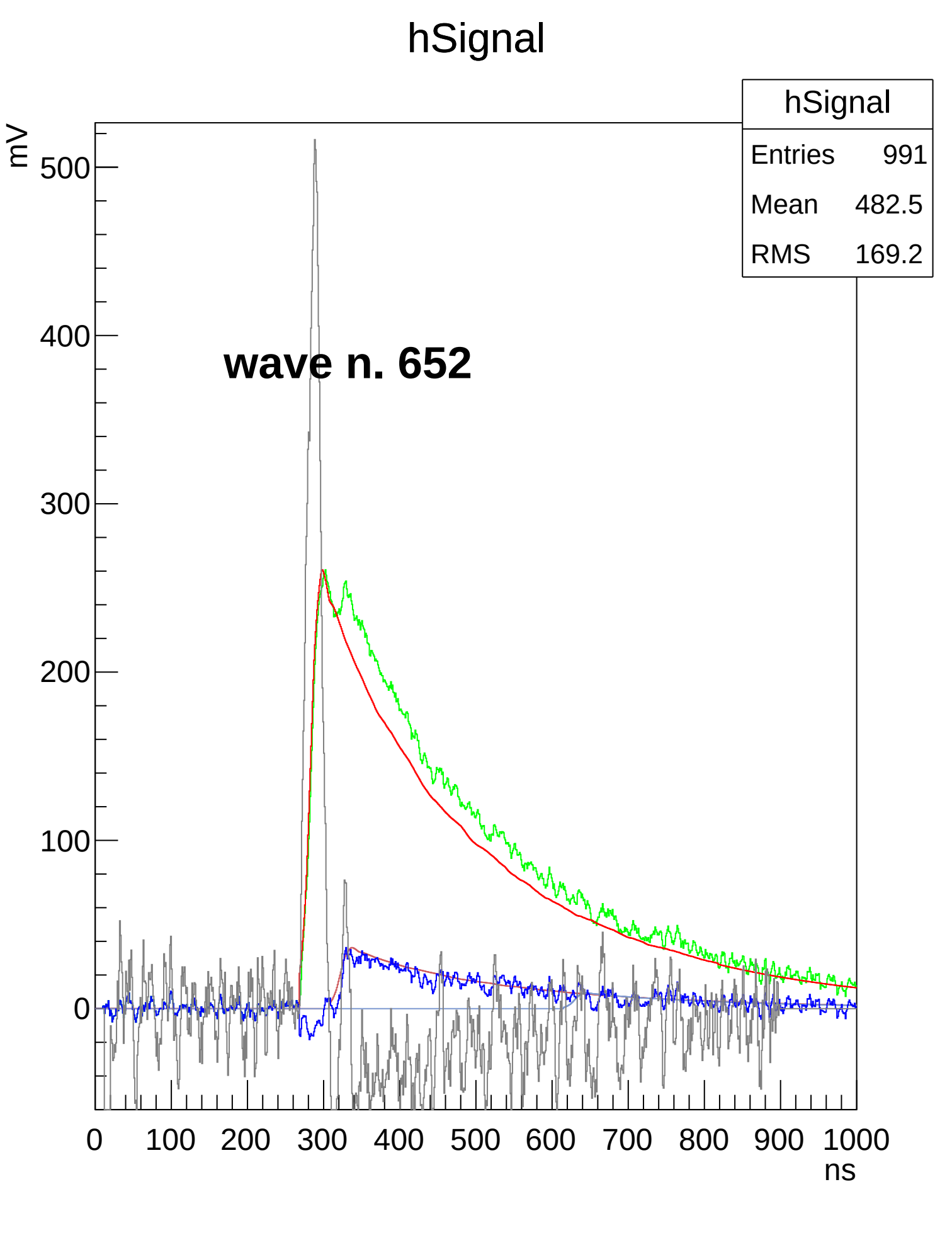

hSignal
hSignal
Entries 991
Mean 550.1
RMS 164.5
wave n. 647
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

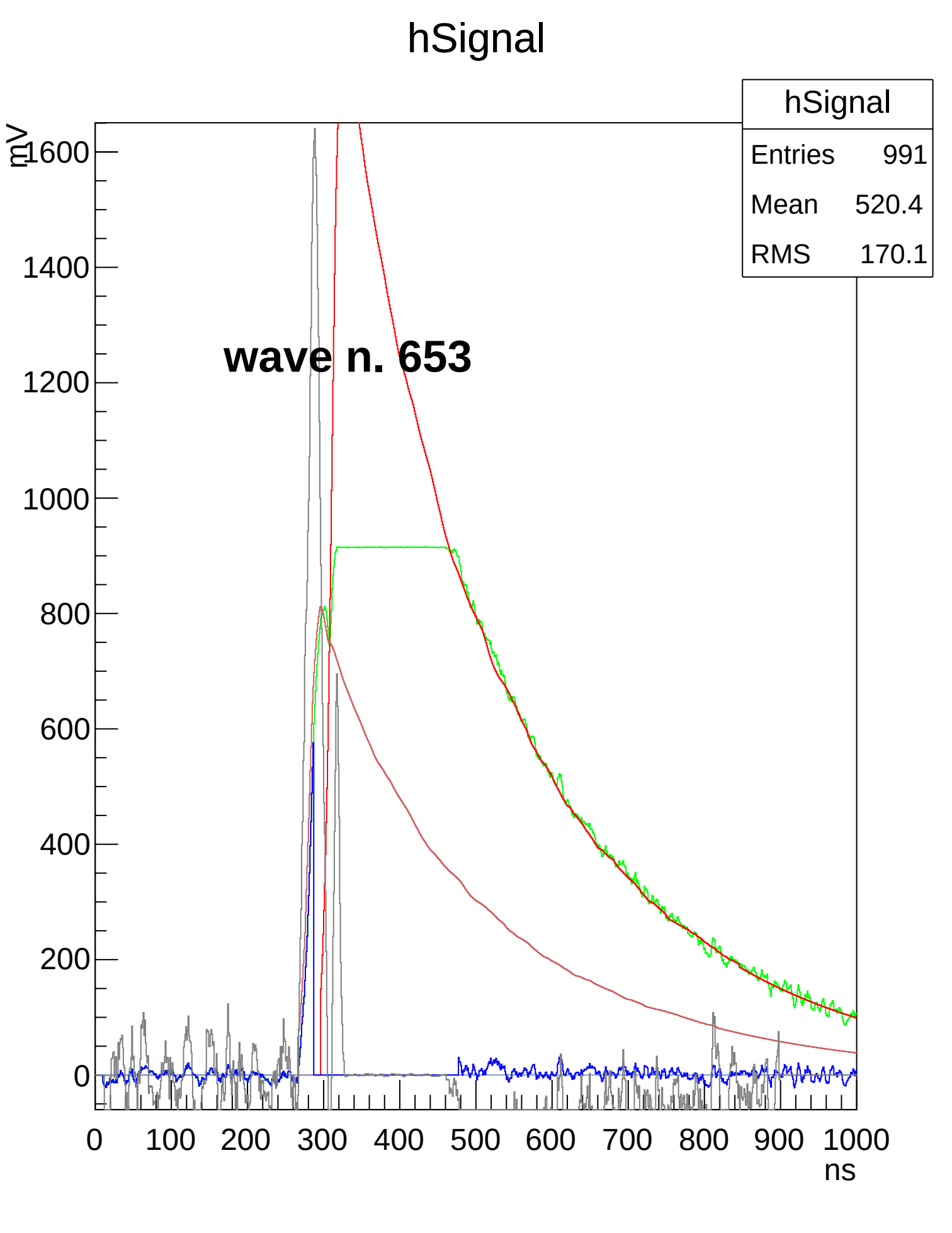

hSignal
hSignal
Entries 991
Mean 486.5
RMS 171.9
wave n. 648
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

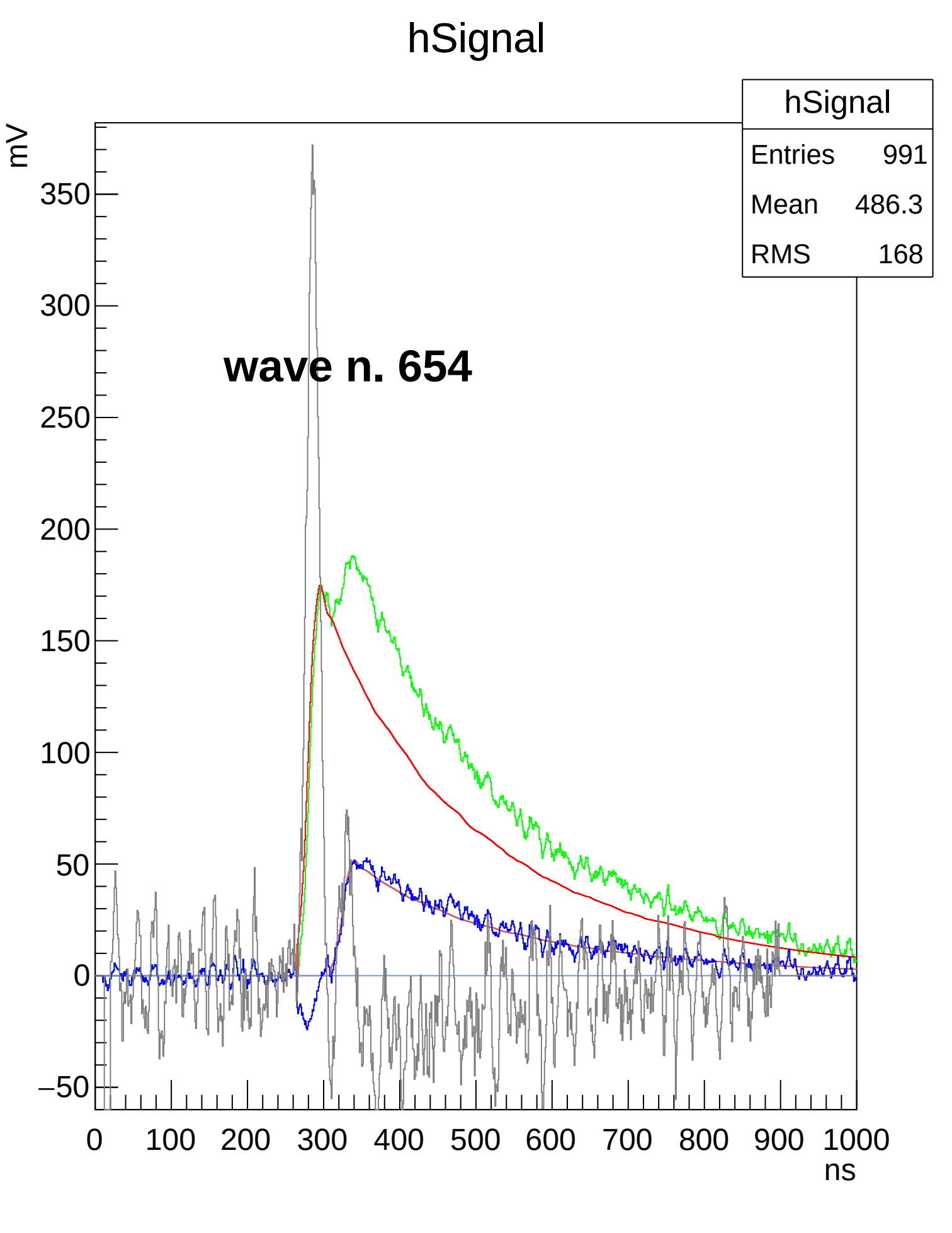

hSignal
hSignal
Entries 991
Mean 507.6
RMS 176.7
wave n. 649
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

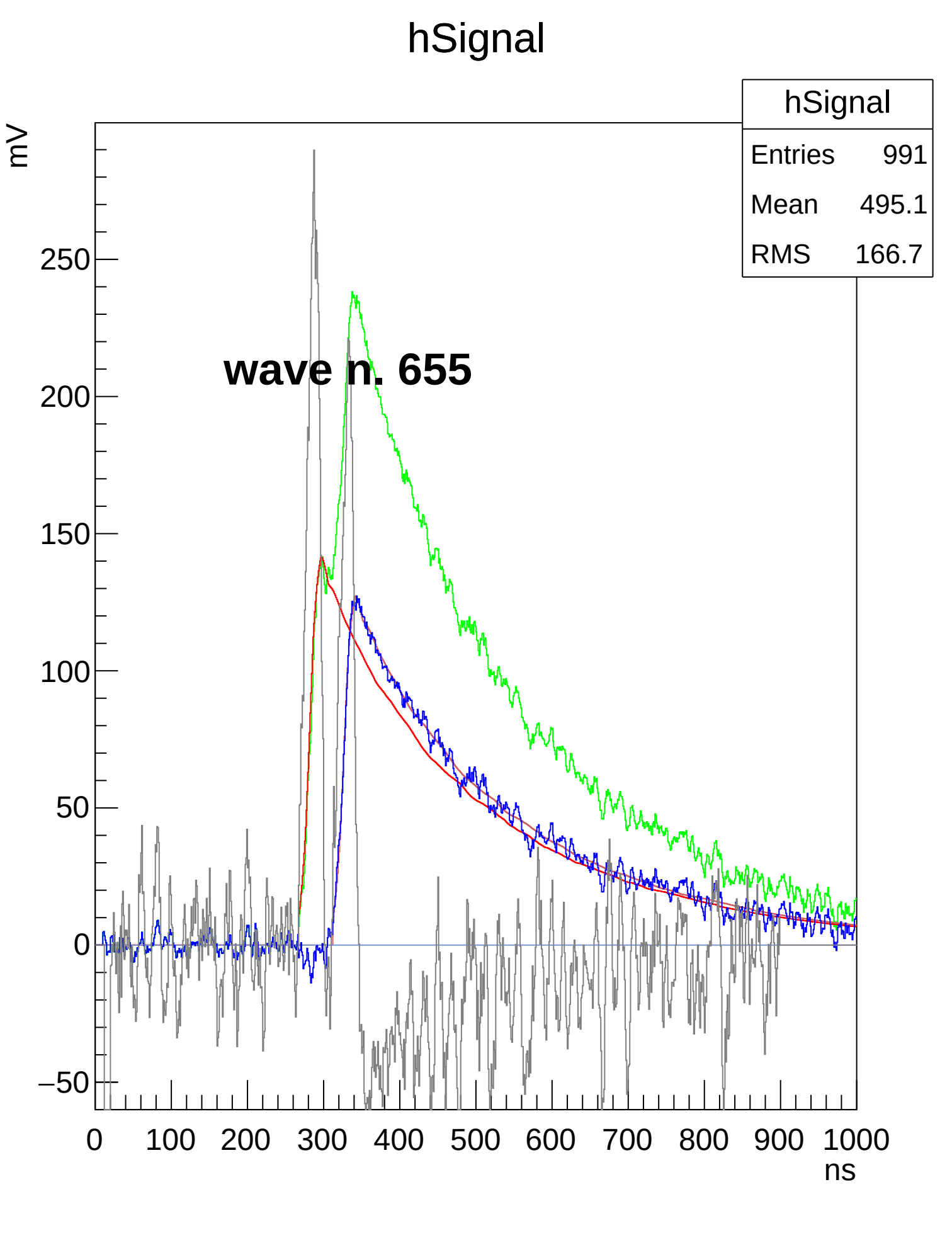

hSignal
hSignal
Entries 991
Mean 474
RMS 170
wave n. 650
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

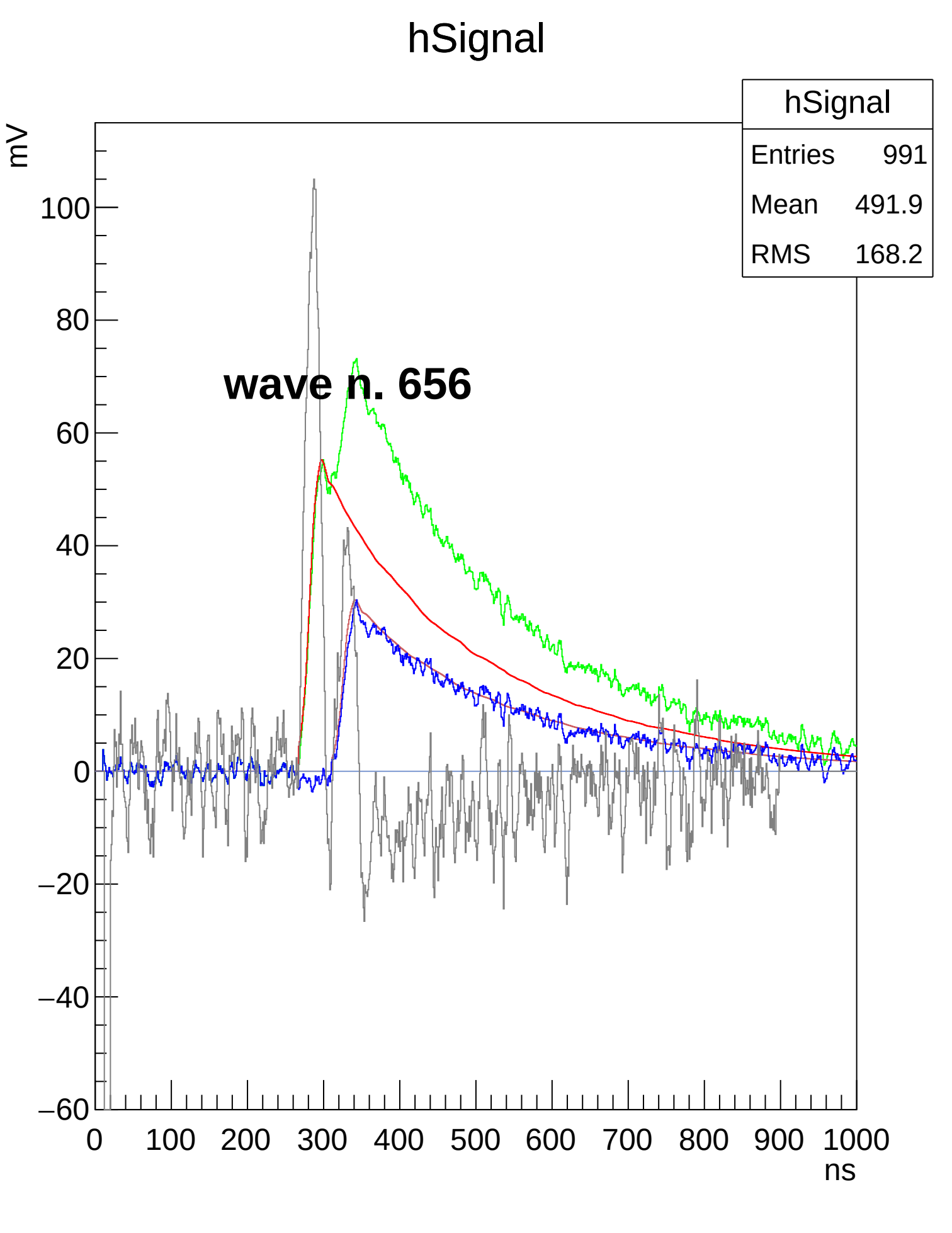

hSignal
hSignal
Entries 991
Mean 534.8
RMS 175.6
wave n. 651
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

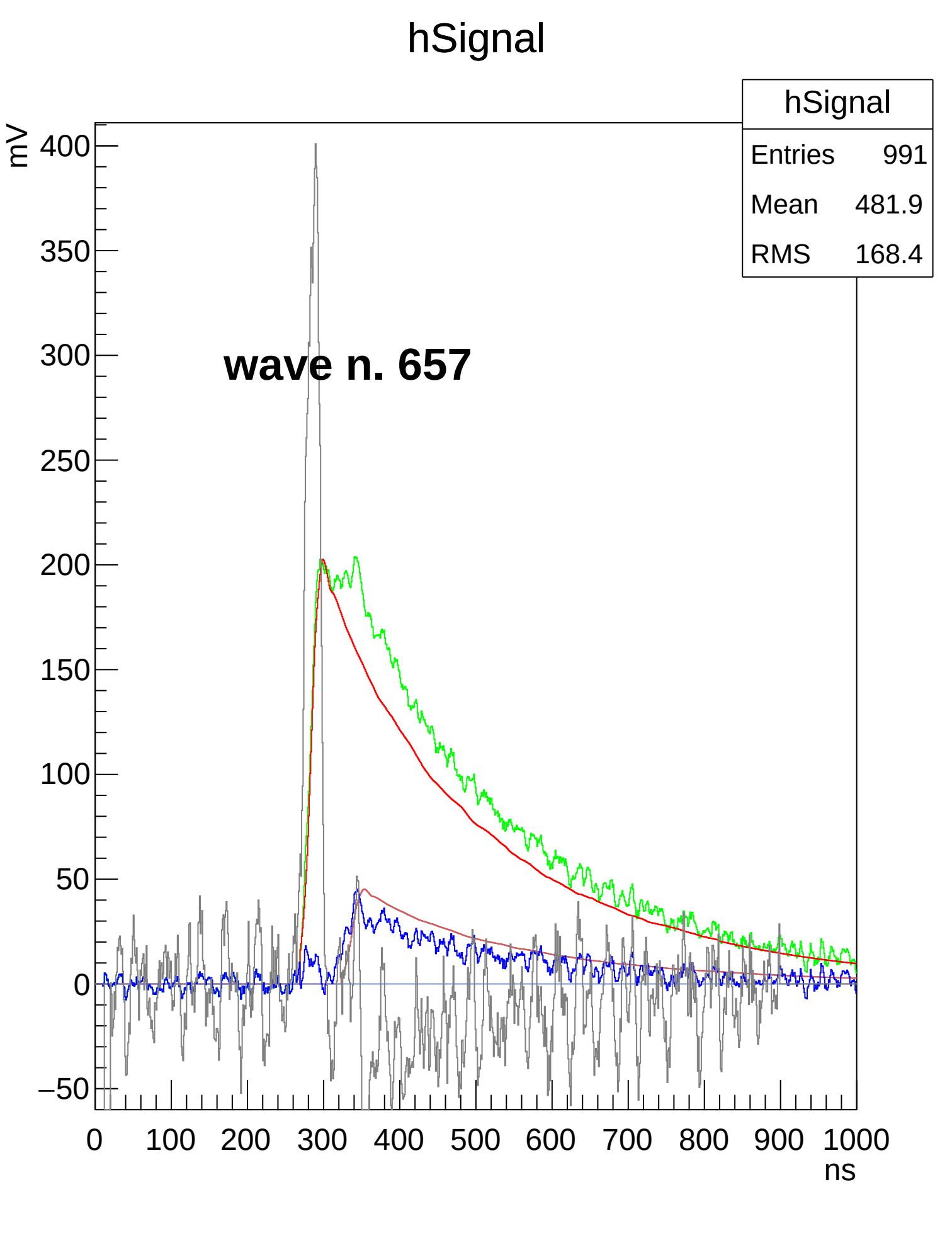

hSignal
hSignal
Entries 991
Mean 482.5
RMS 169.2
wave n. 652
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

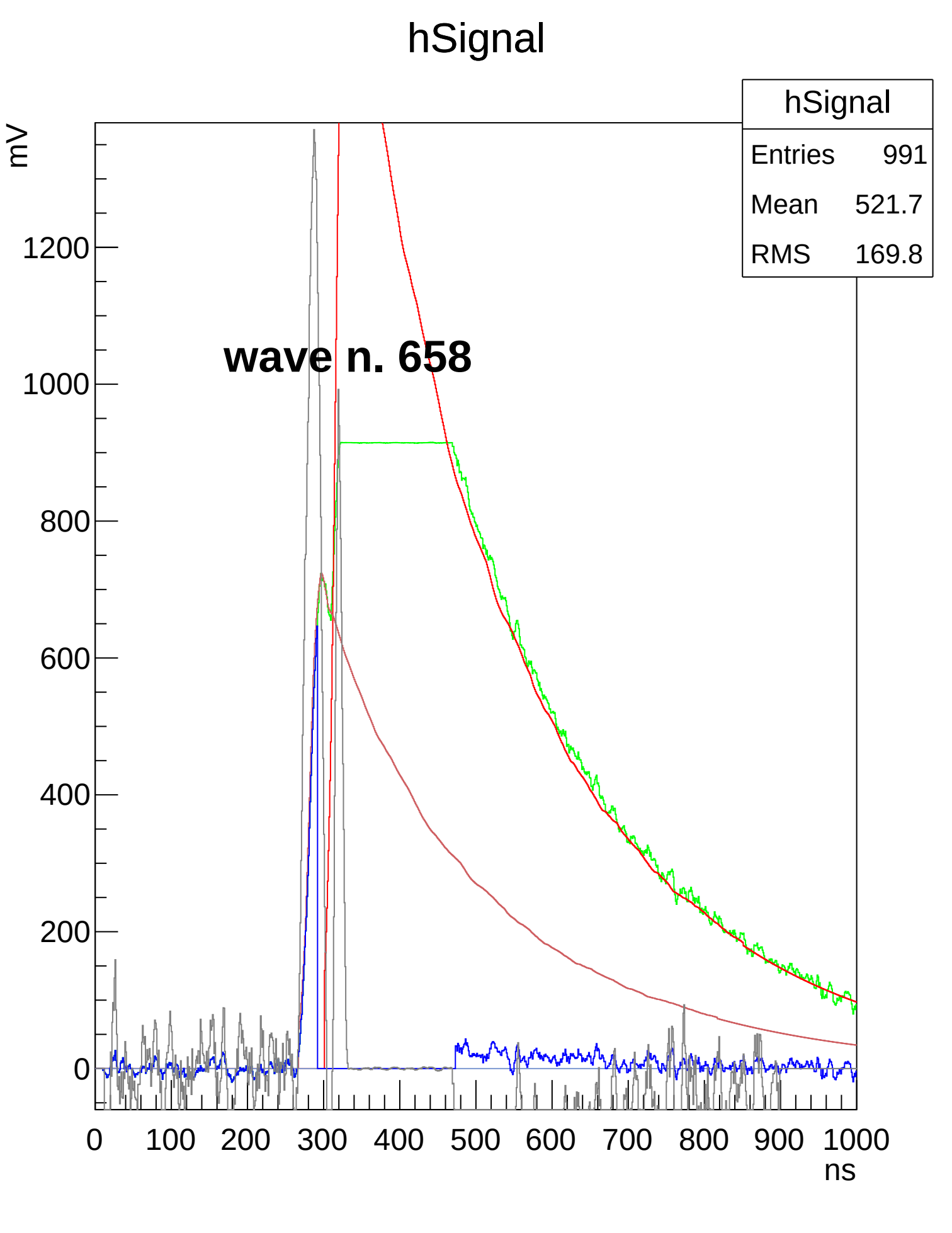

hSignal
hSignal
Entries 991
Mean 520.4
RMS 170.1
wave n. 653
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

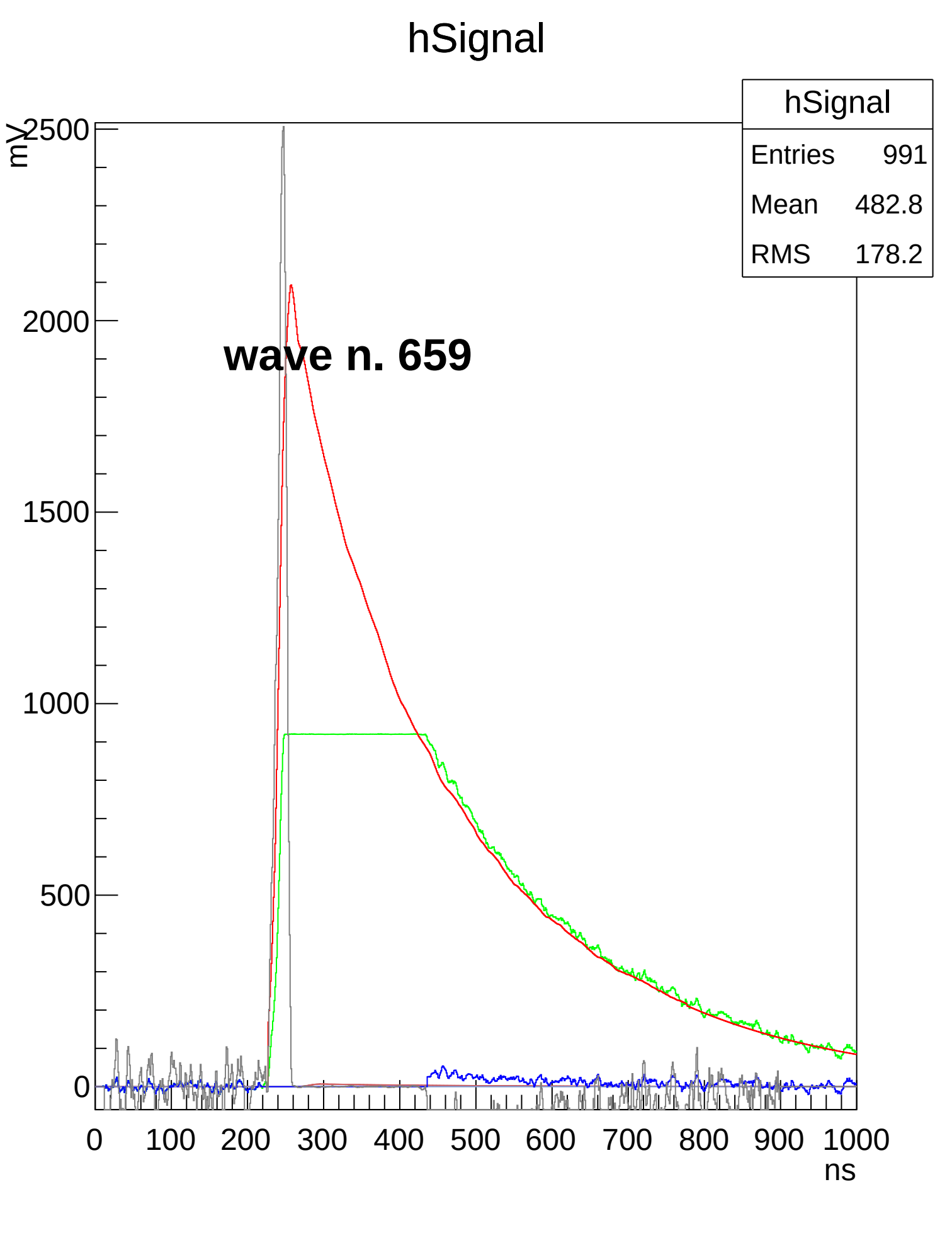

hSignal
hSignal
Entries 991
Mean 486.3
RMS 168
wave n. 654
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

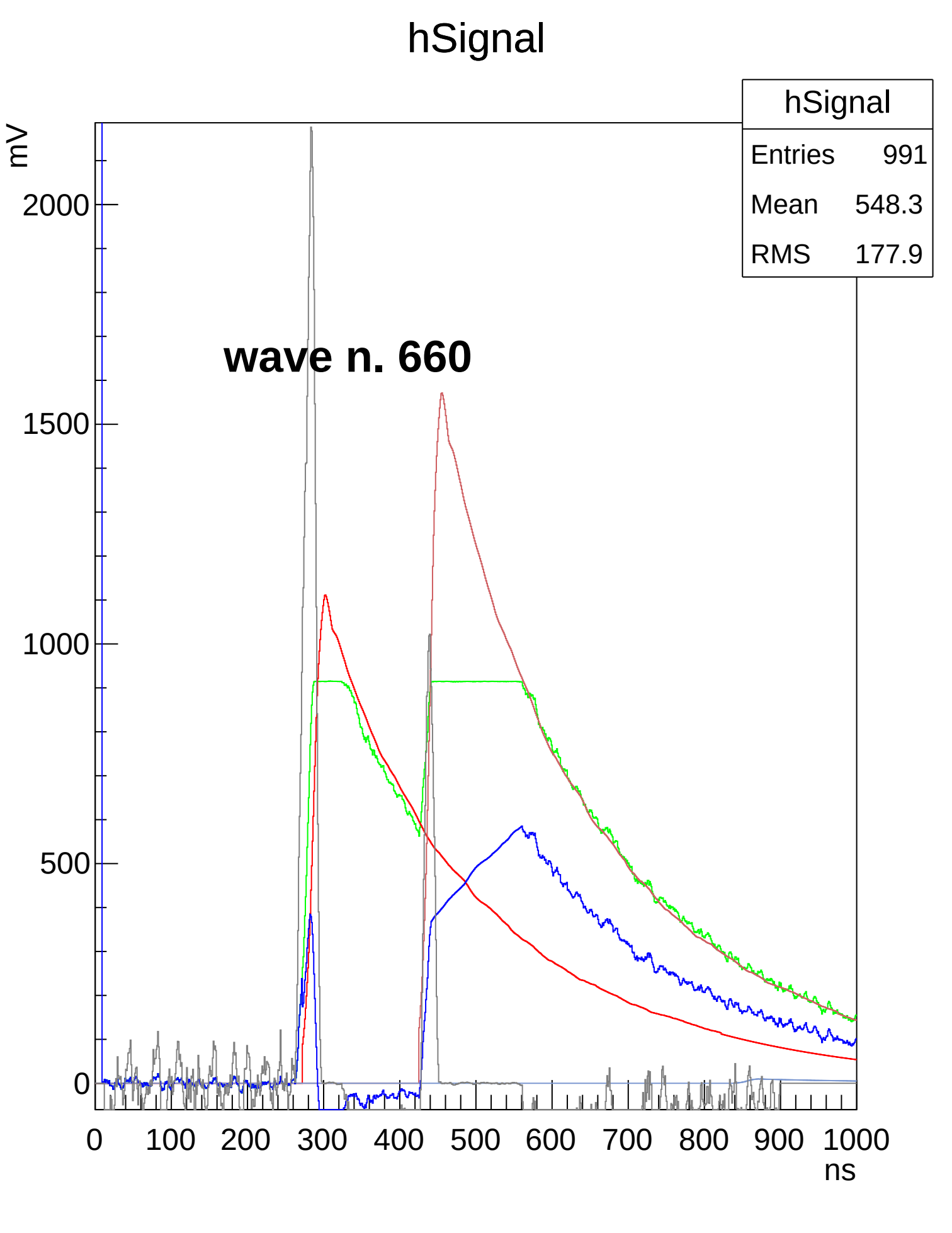

hSignal
hSignal
Entries 991
Mean 495.1
RMS 166.7
wave n. 655
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

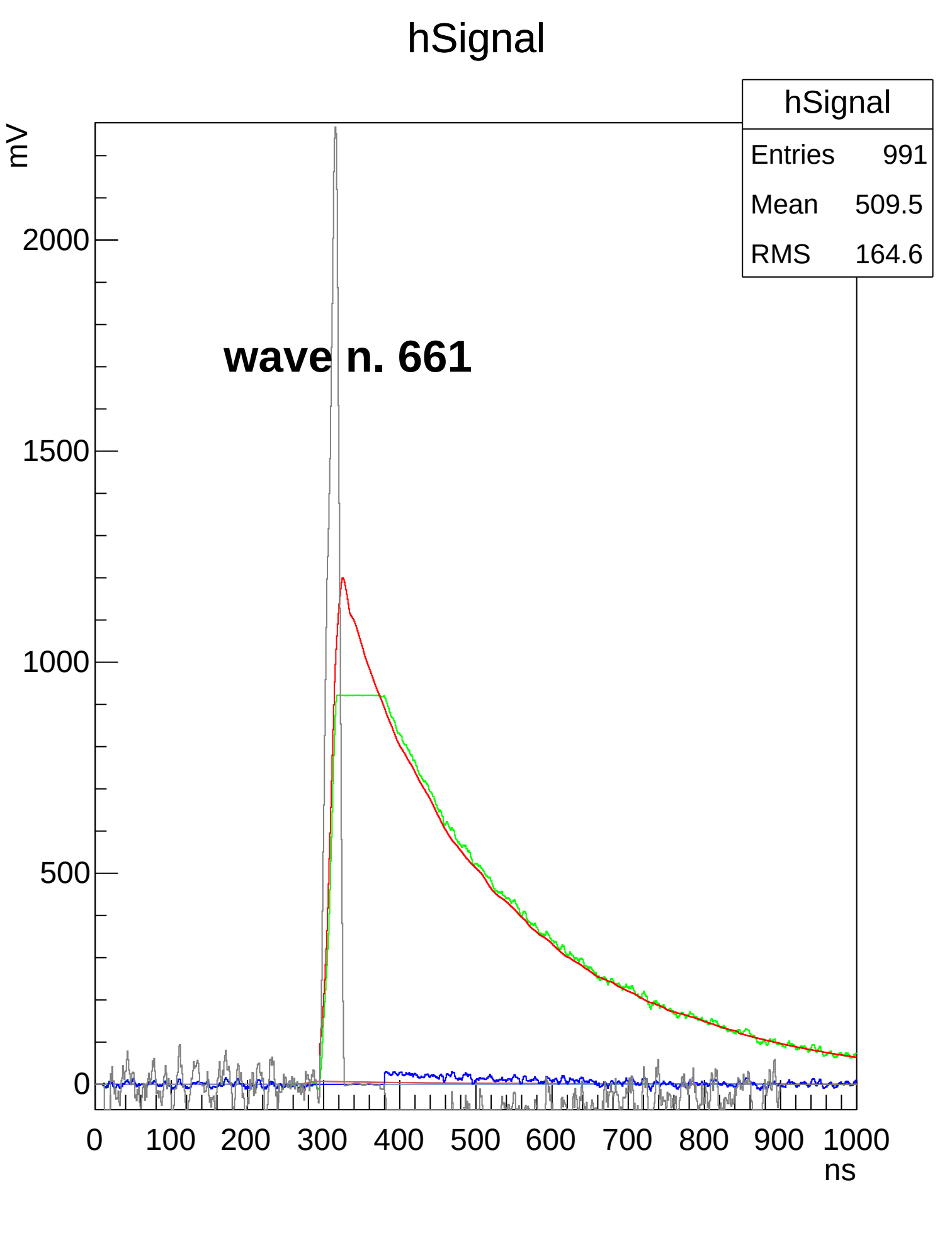

hSignal
hSignal
Entries 991
Mean 491.9
RMS 168.2
wave n. 656
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

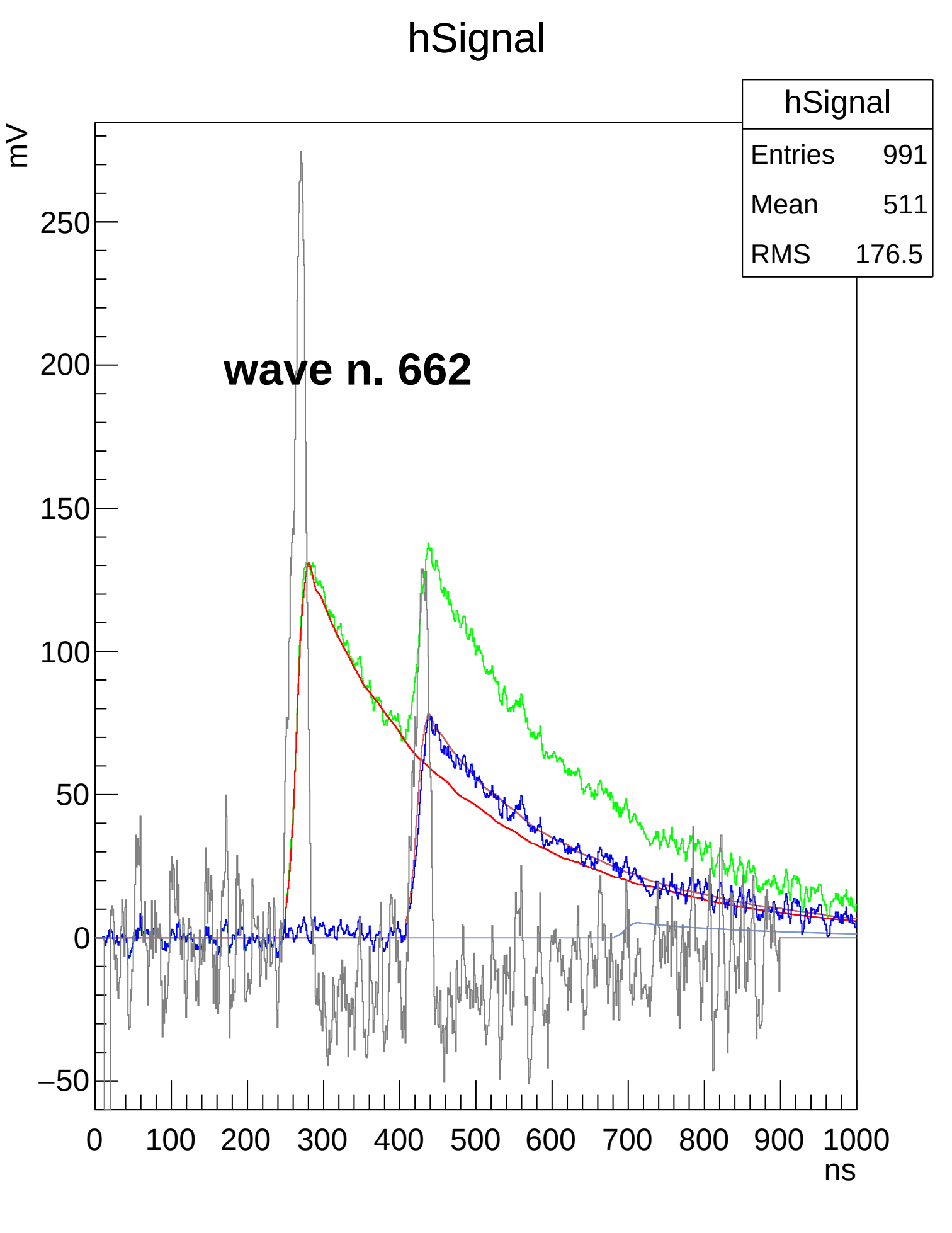

hSignal
hSignal
Entries 991
Mean 481.9
RMS 168.4
wave n. 657
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

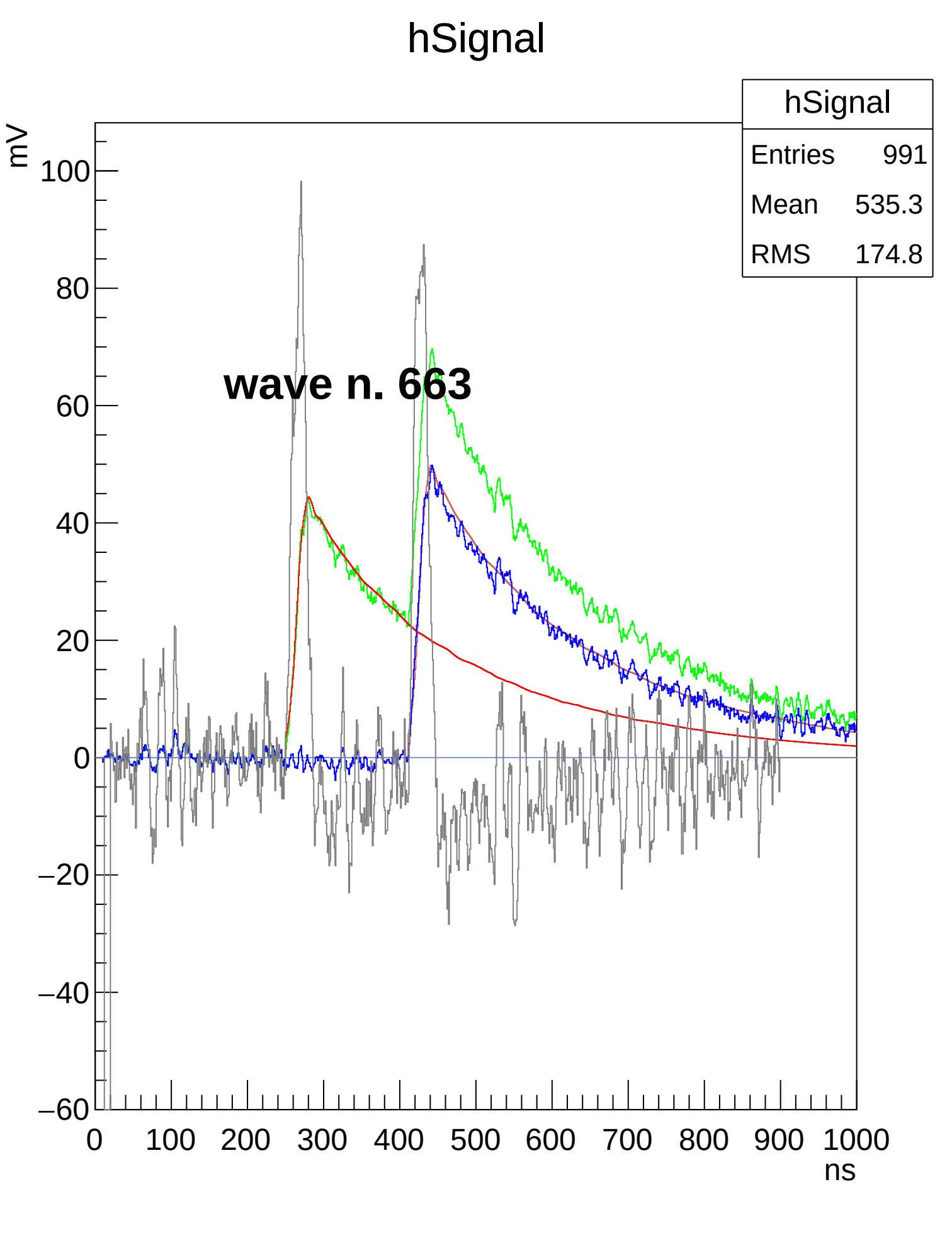

hSignal
hSignal
Entries 991
Mean 521.7
RMS 169.8
wave n. 658
mV
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

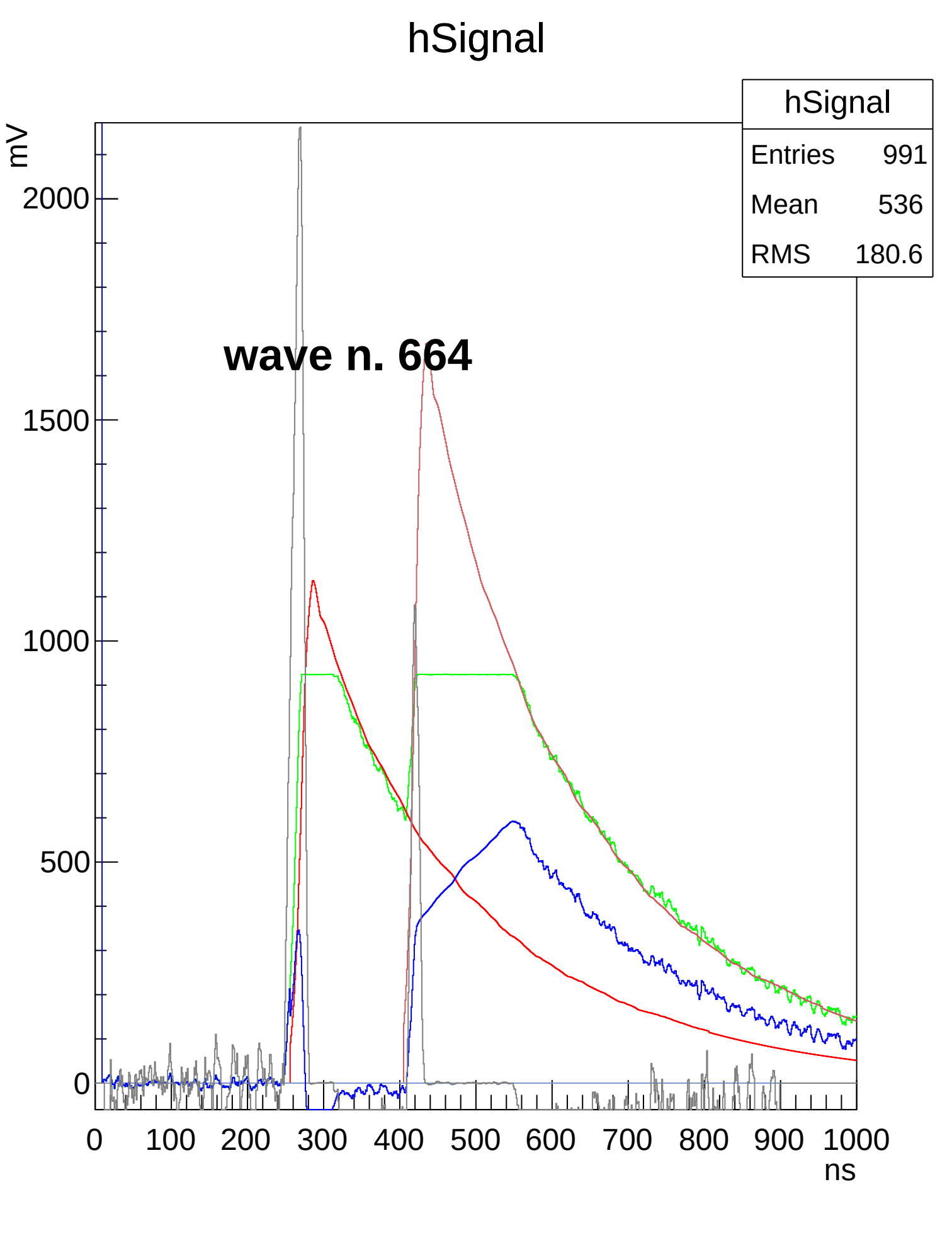

hSignal
hSignal
Entries 991
Mean 482.8
RMS 178.2
wave n. 659
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

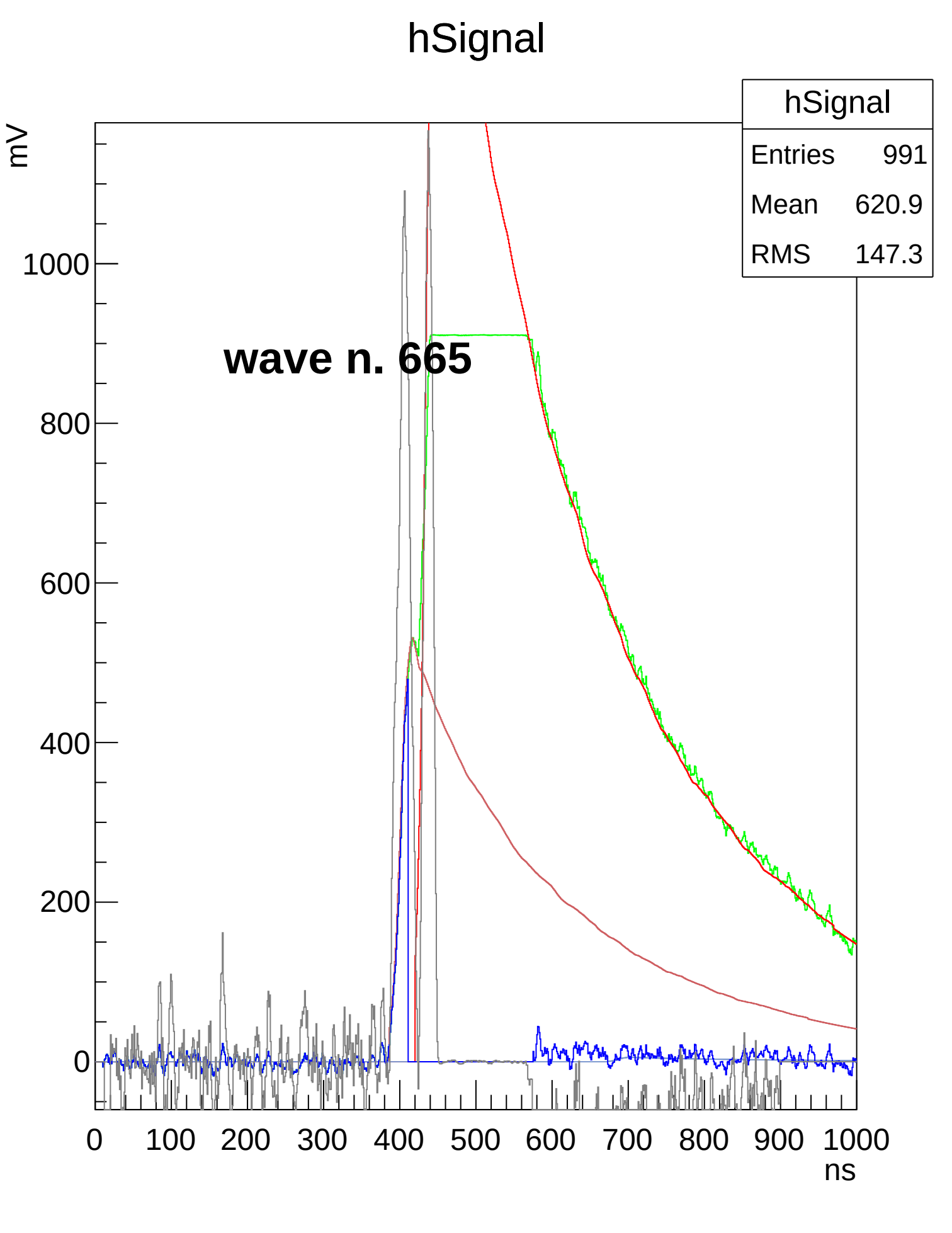

hSignal
hSignal
Entries 991
Mean 548.3
RMS 177.9
wave n. 660
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

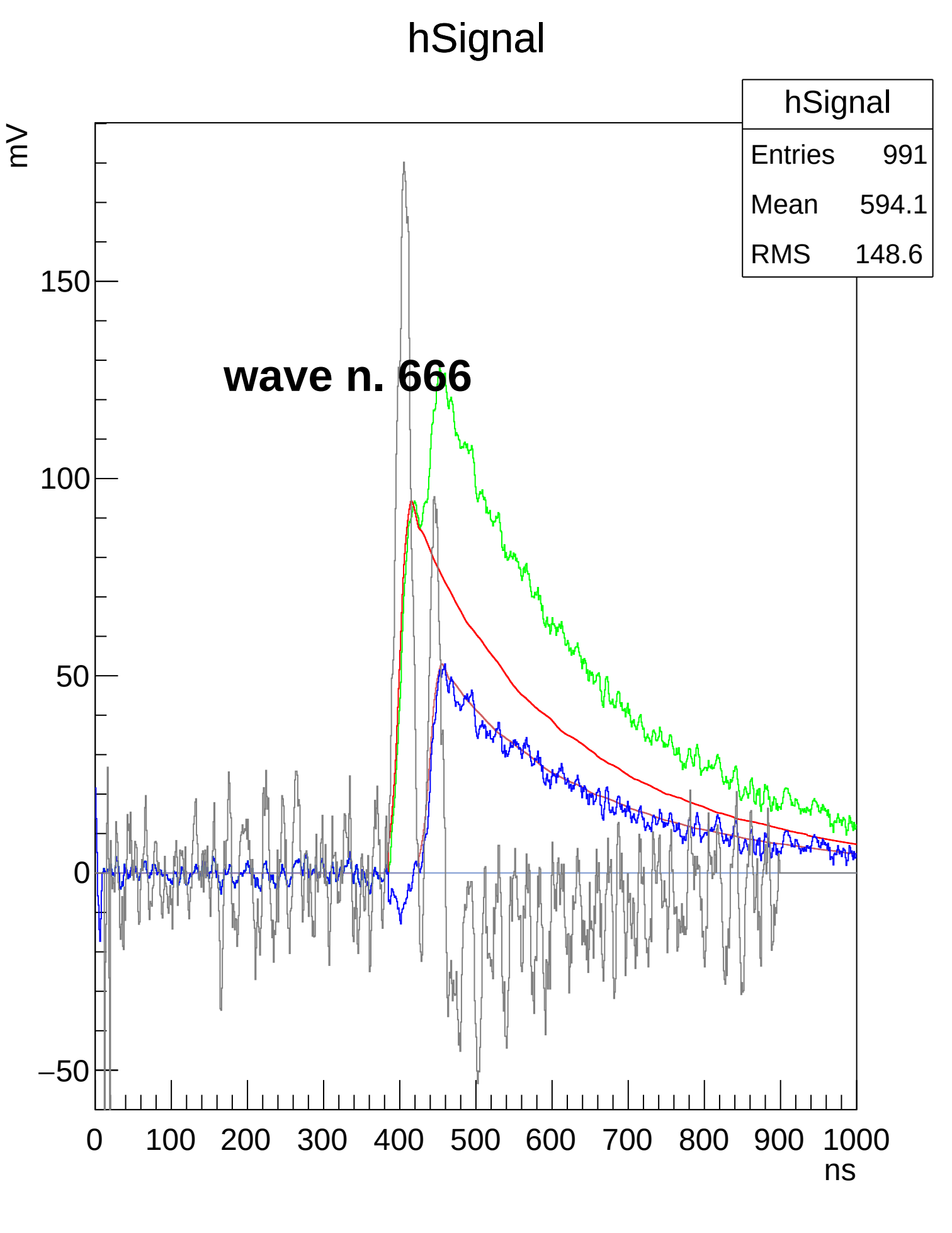

hSignal
hSignal
Entries 991
Mean 509.5
RMS 164.6
wave n. 661
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

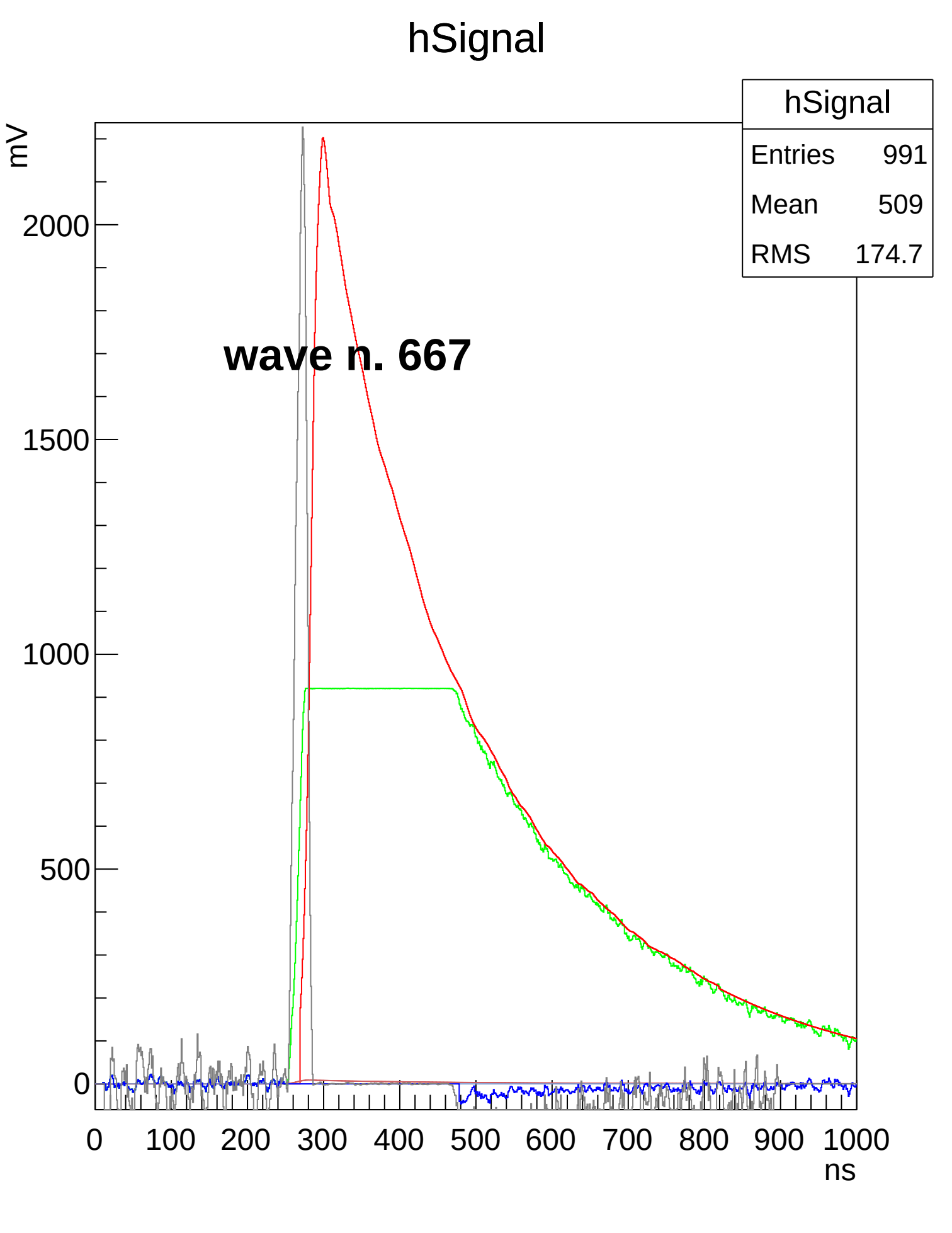

hSignal
hSignal
Entries 991
Mean 511
RMS 176.5
wave n. 662
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

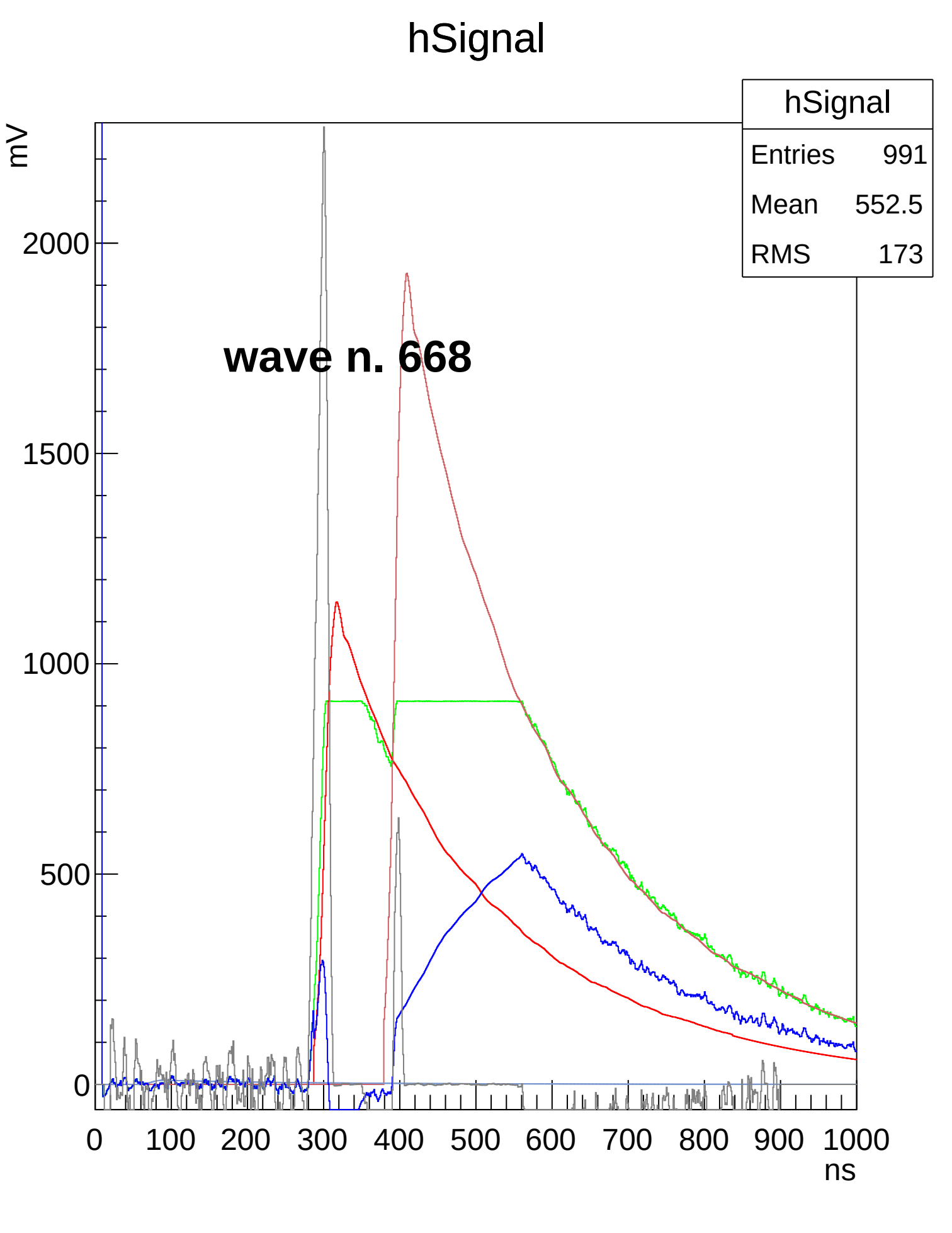

hSignal
hSignal
Entries 991
Mean 535.3
RMS 174.8
wave n. 663
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

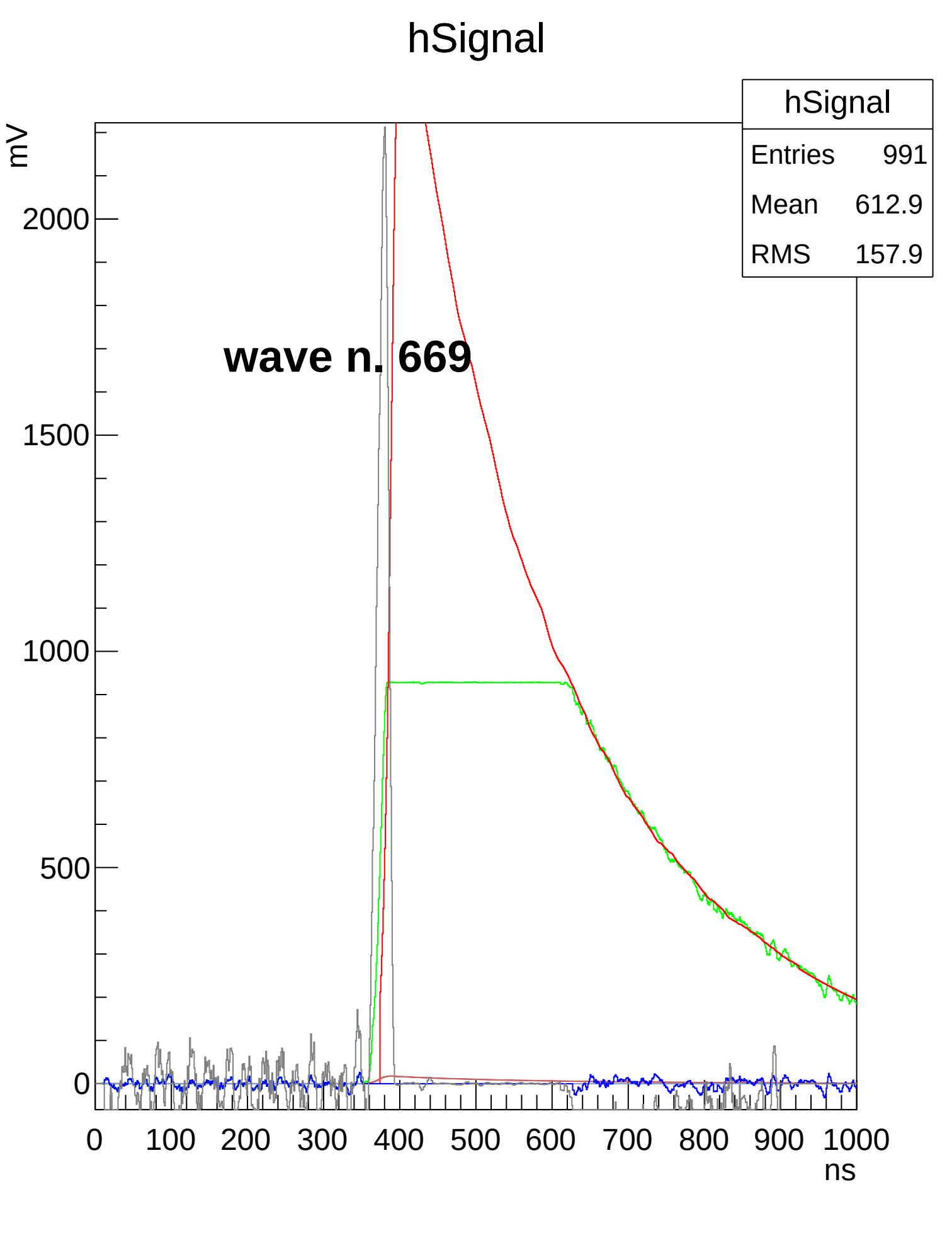

hSignal
hSignal
Entries 991
Mean 536
RMS 180.6
wave n. 664
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

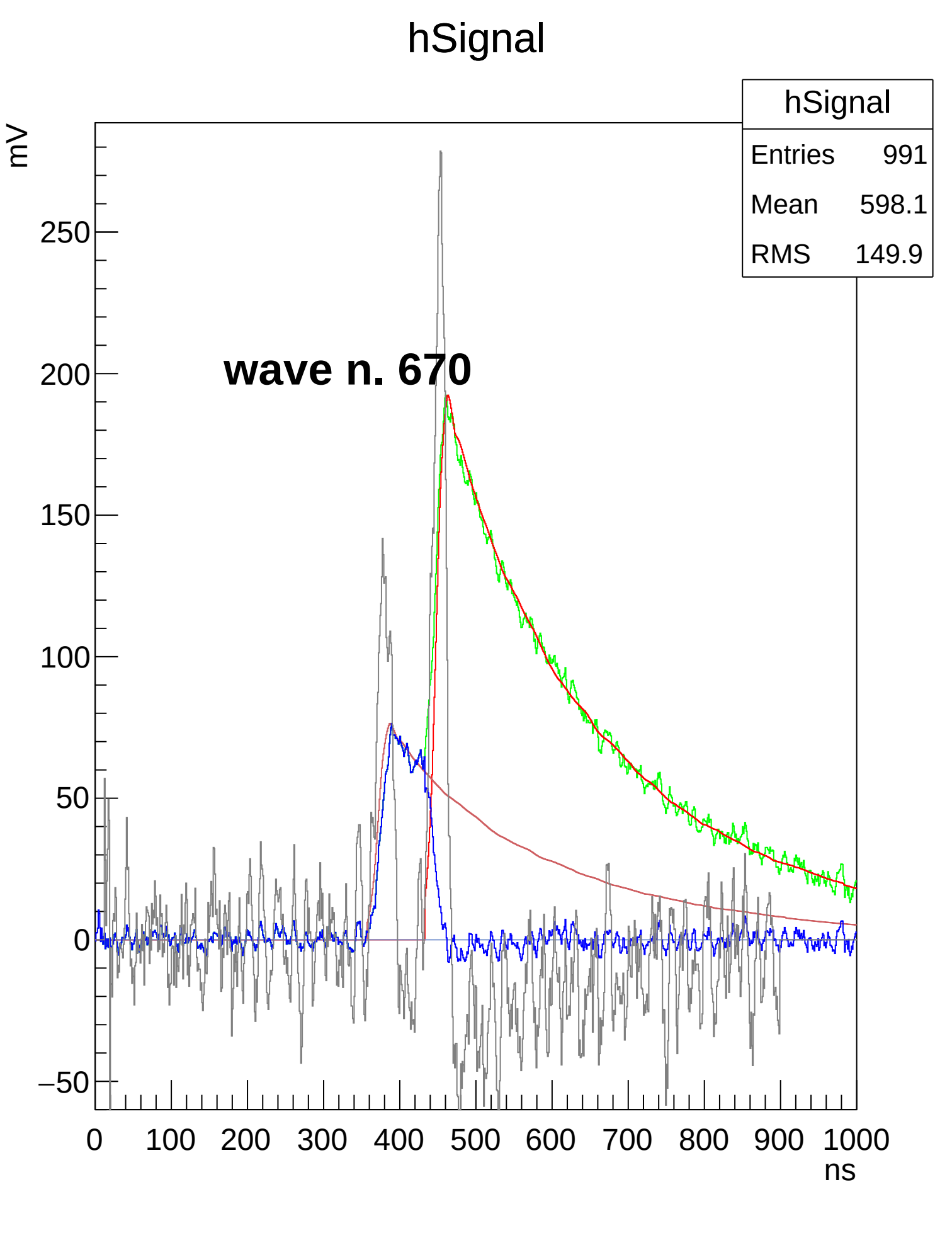

hSignal
hSignal
Entries 991
Mean 620.9
RMS 147.3
wave n. 665
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

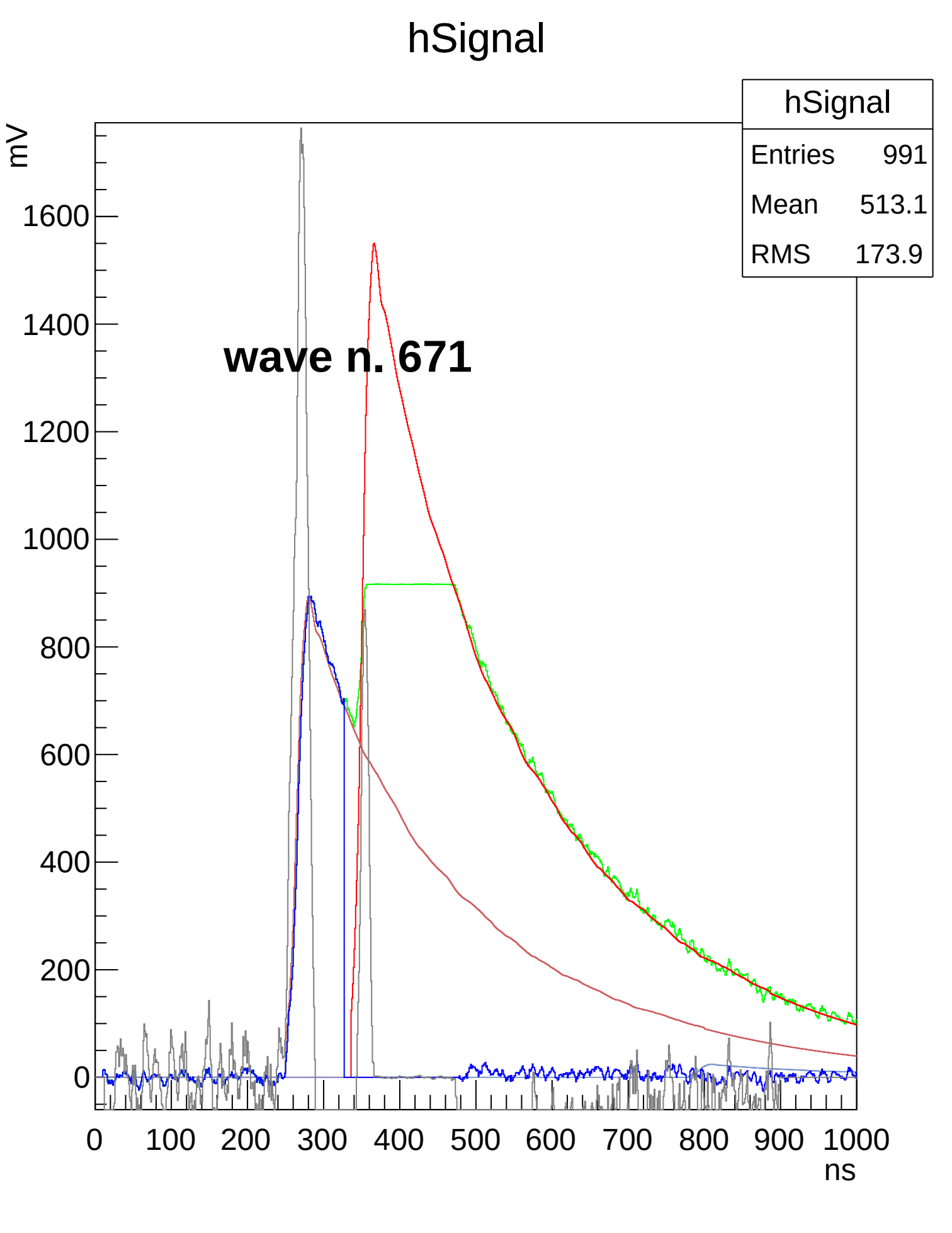

hSignal
hSignal
Entries 991
Mean 594.1
RMS 148.6
wave n. 666
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

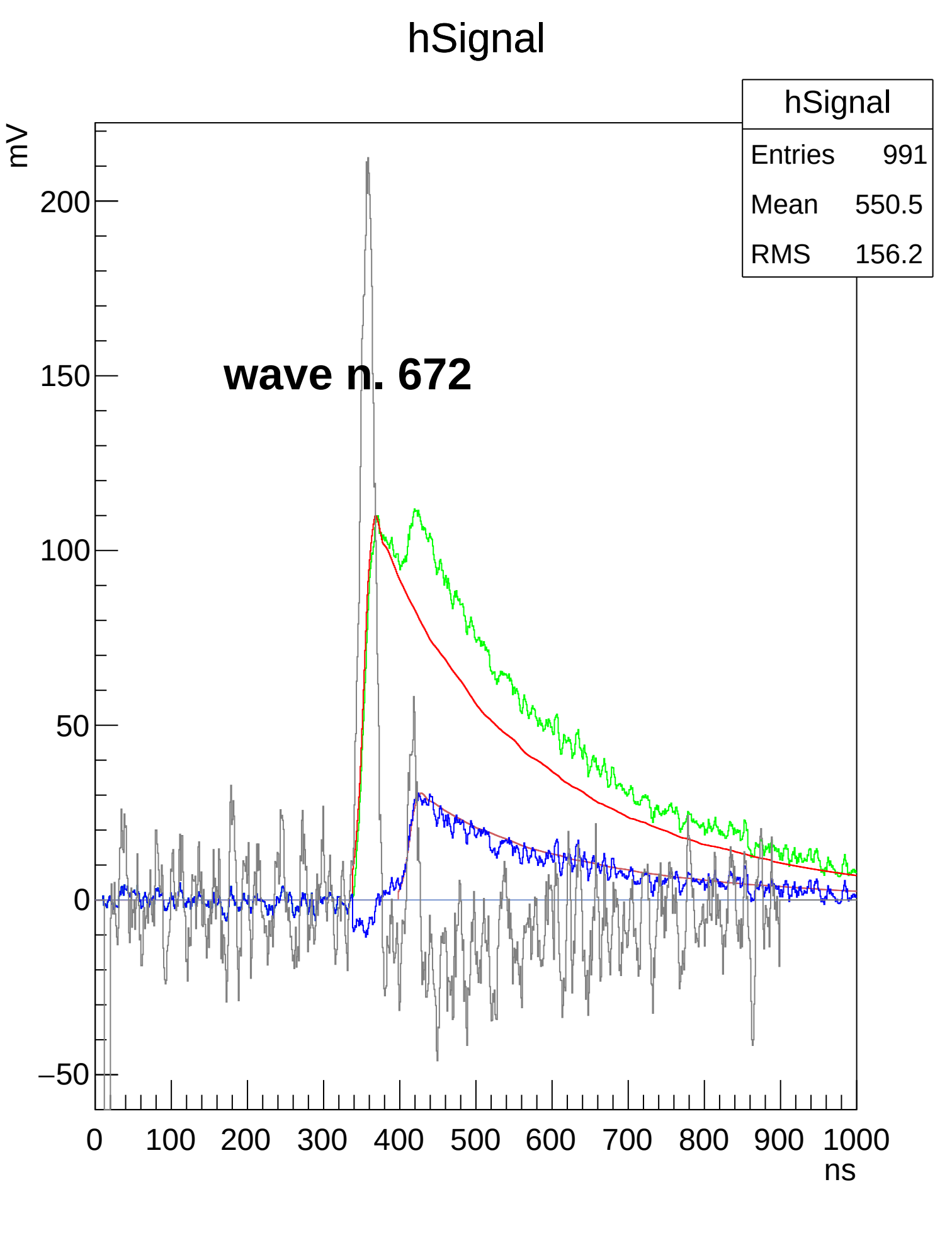

hSignal
hSignal
Entries 991
Mean 509
RMS 174.7
wave n. 667
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

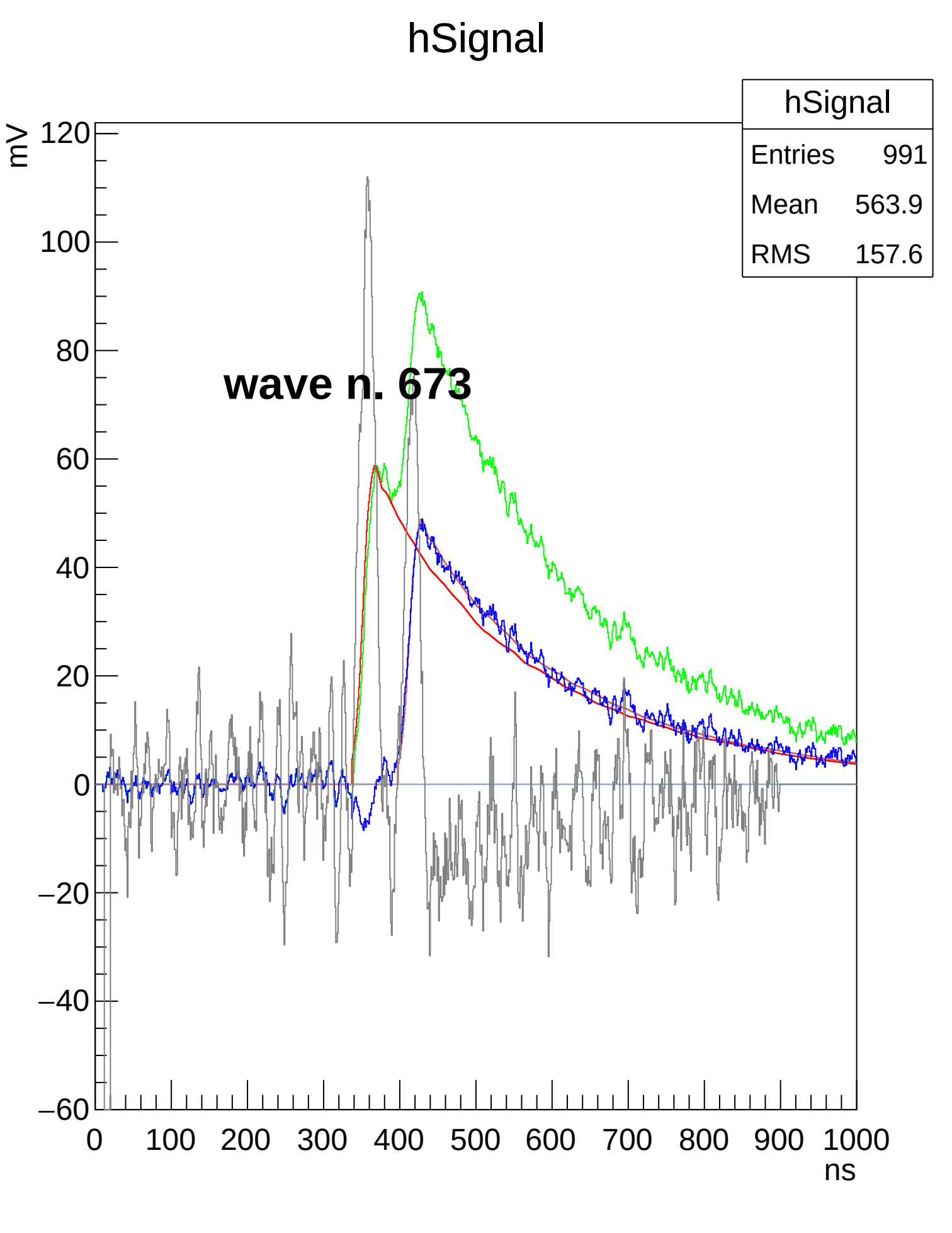

hSignal
hSignal
Entries 991
Mean 552.5
RMS 173
wave n. 668
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

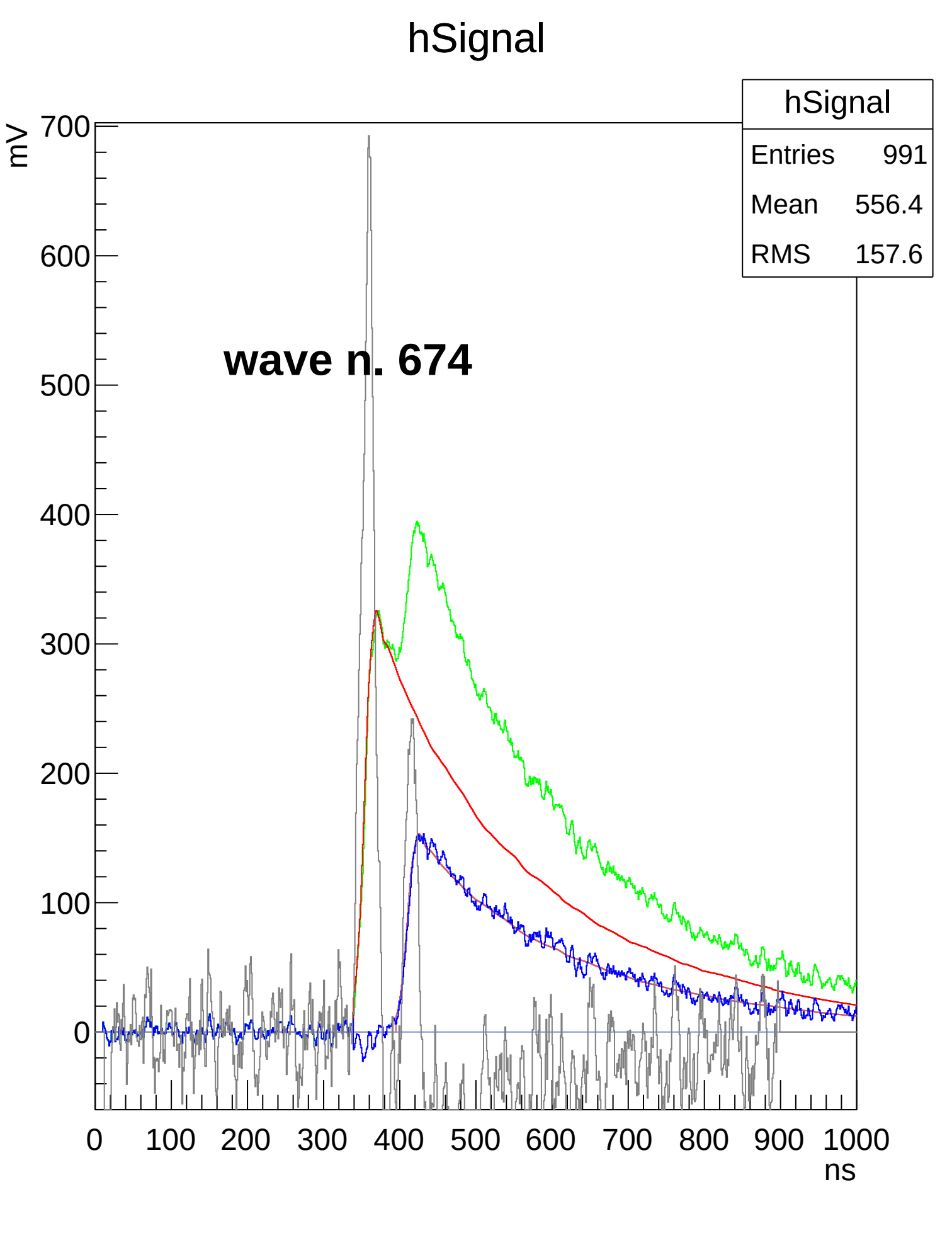

hSignal
hSignal
Entries 991
Mean 612.9
RMS 157.9
wave n. 669
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

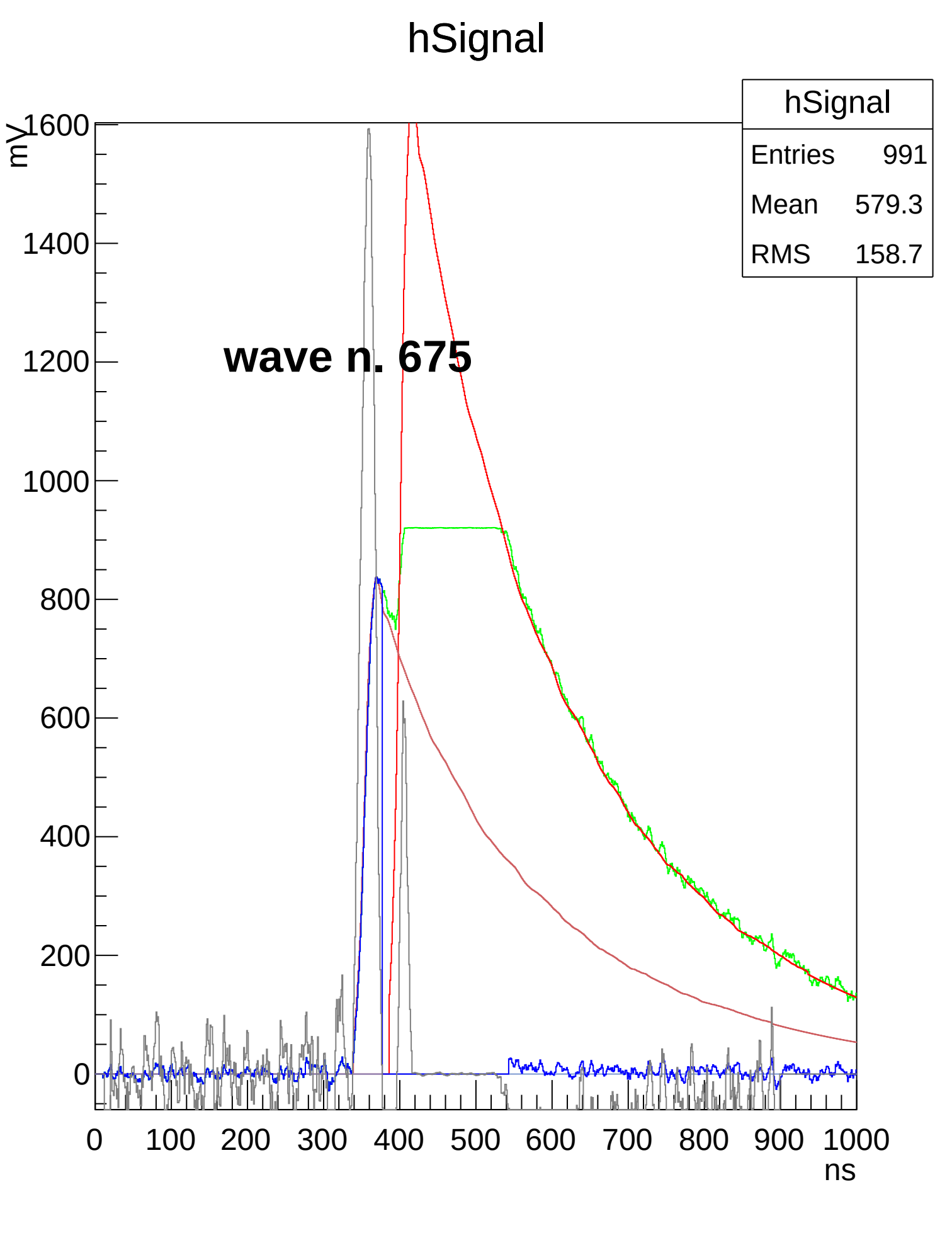

hSignal
hSignal
Entries 991
Mean 598.1
RMS 149.9
wave n. 670
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

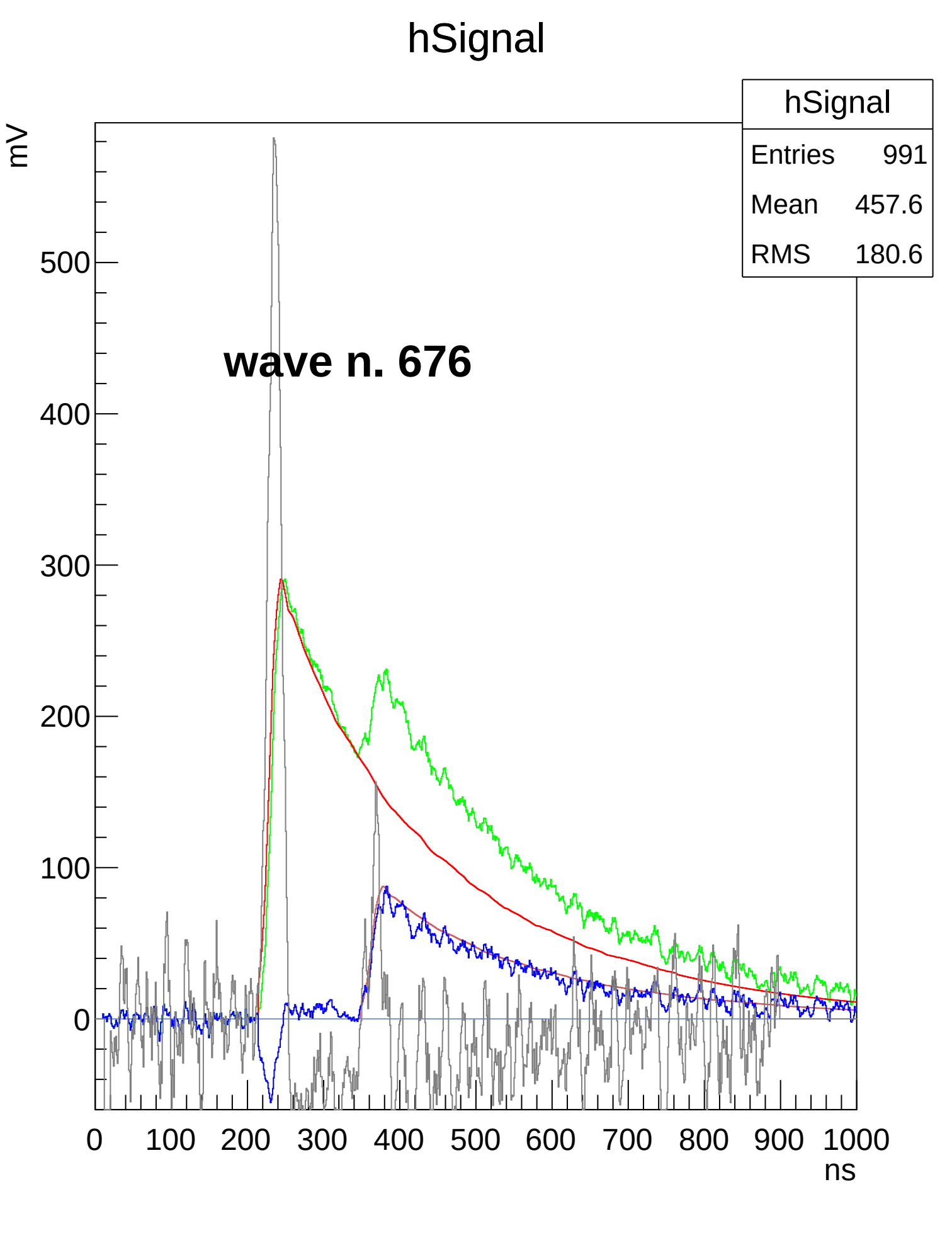

hSignal
hSignal
Entries 991
Mean 513.1
RMS 173.9
wave n. 671
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

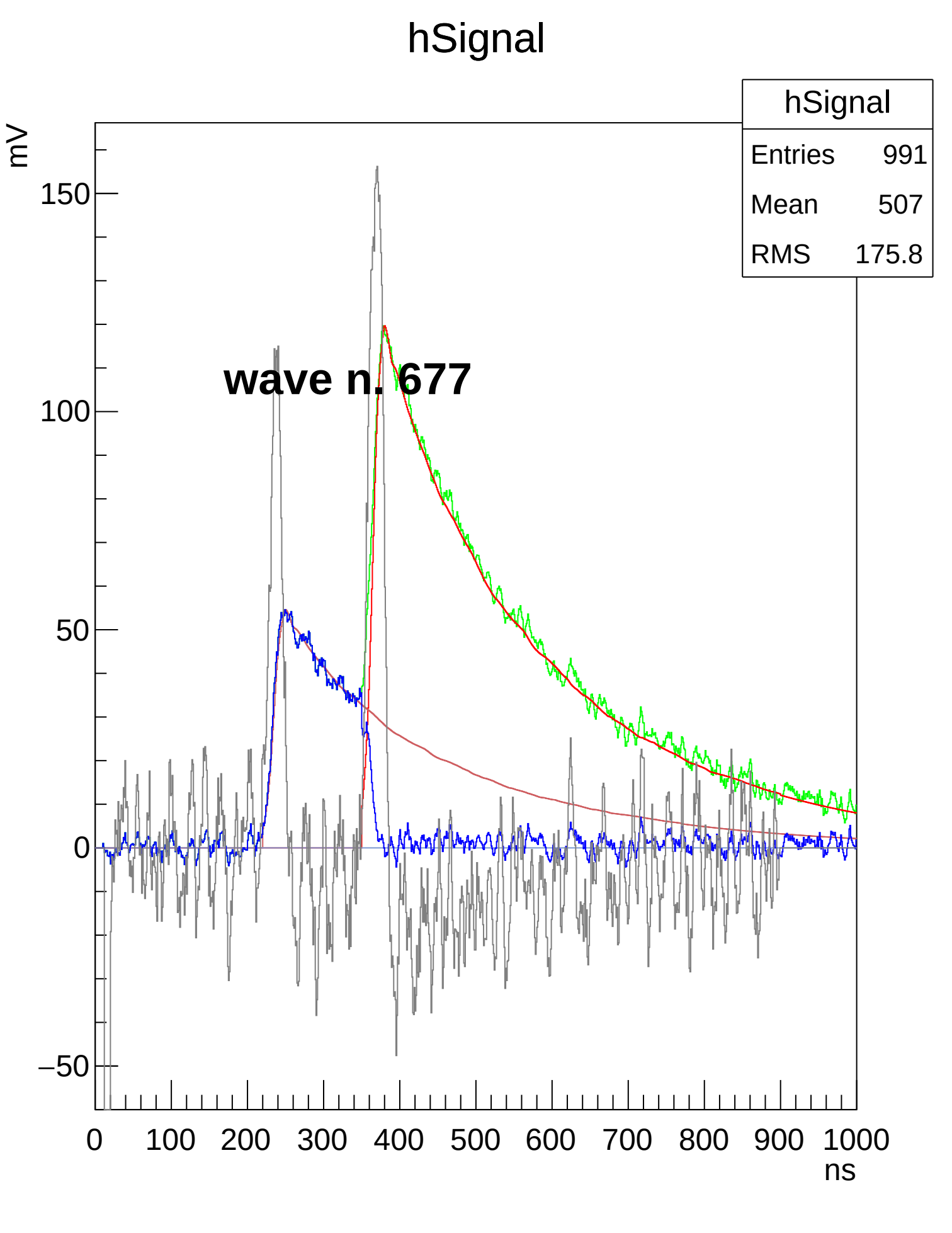

hSignal
hSignal
Entries 991
Mean 550.5
RMS 156.2
wave n. 672
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

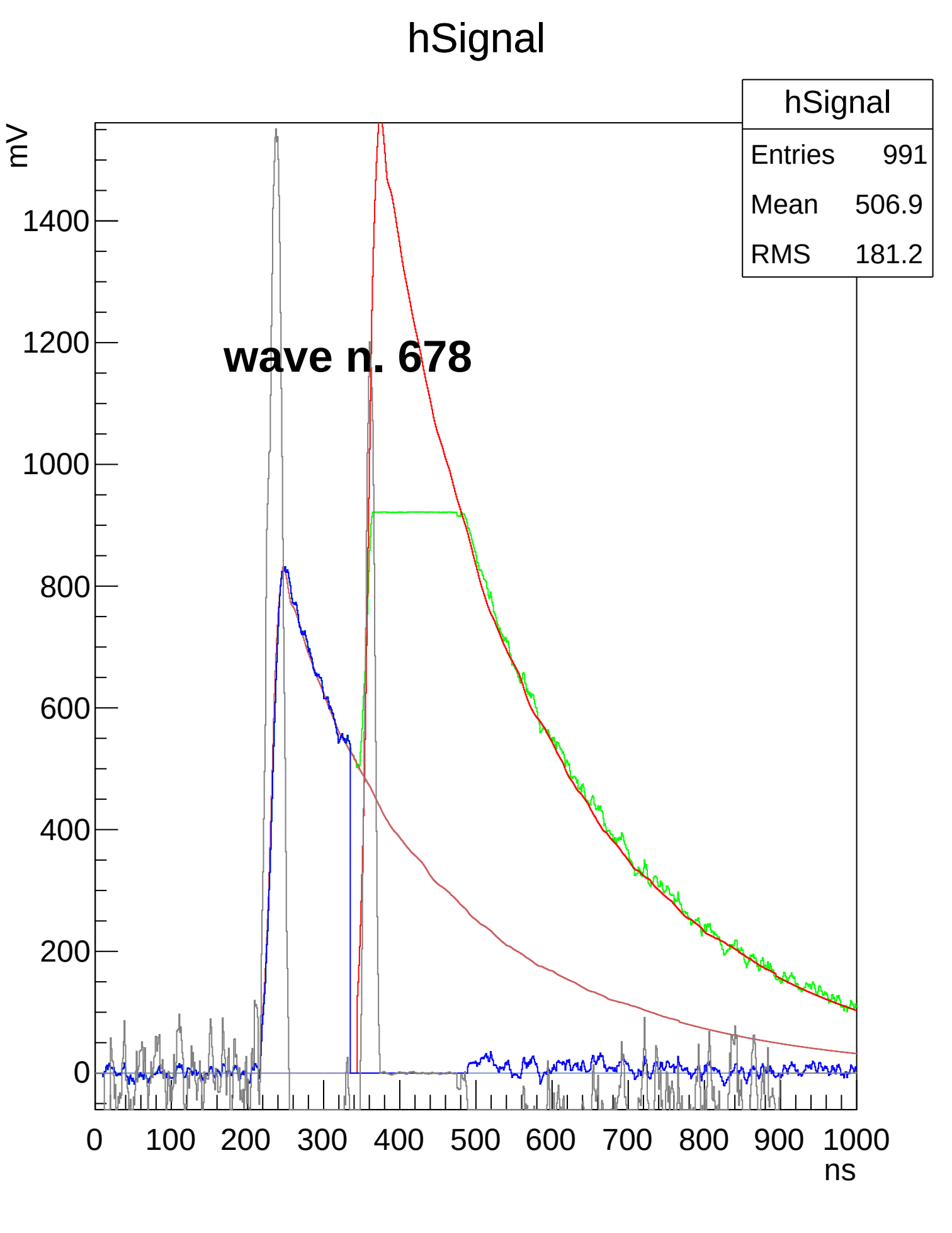

hSignal
hSignal
Entries 991
Mean 563.9
RMS 157.6
wave n. 673
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

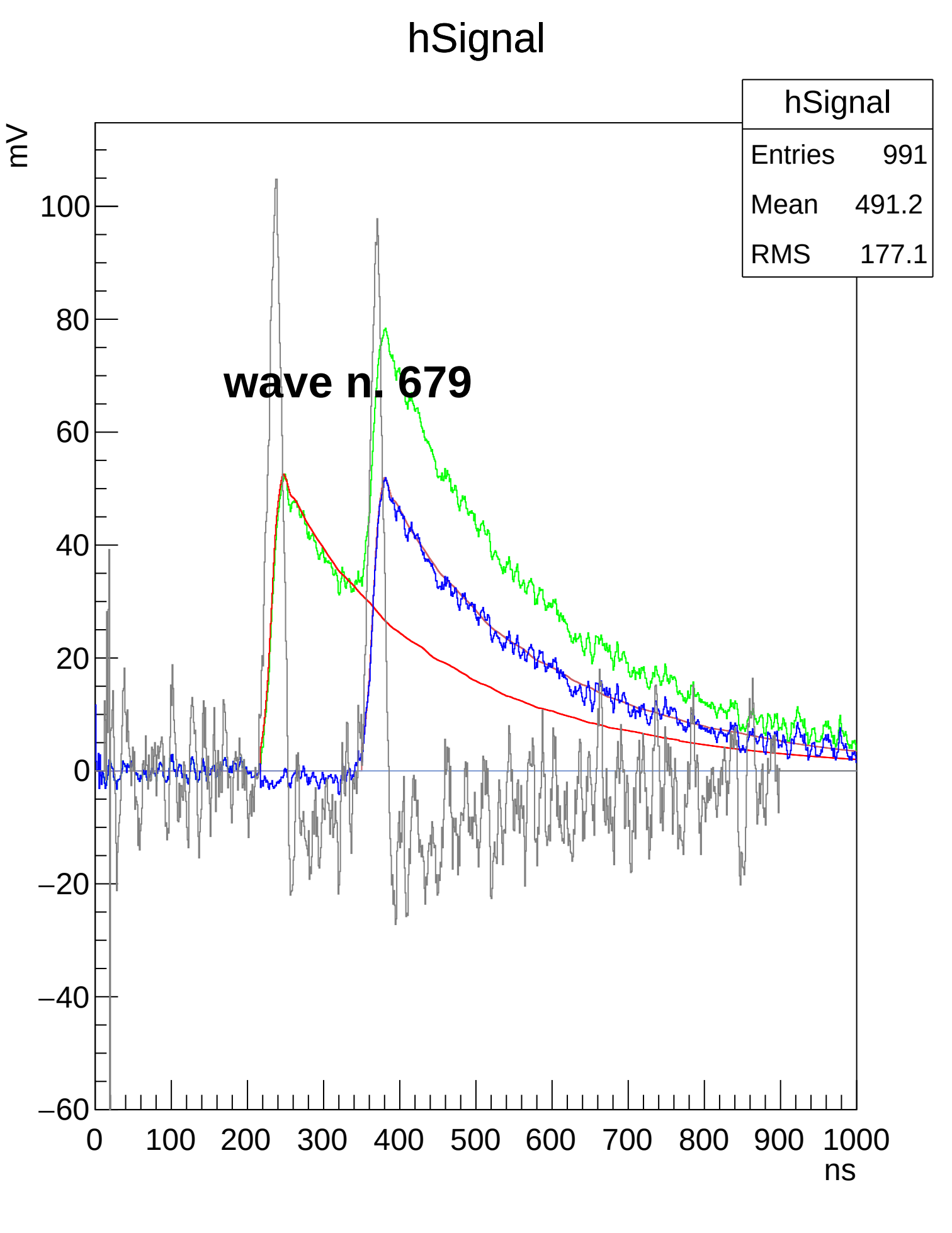

hSignal
hSignal
Entries 991
Mean 556.4
RMS 157.6
wave n. 674
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

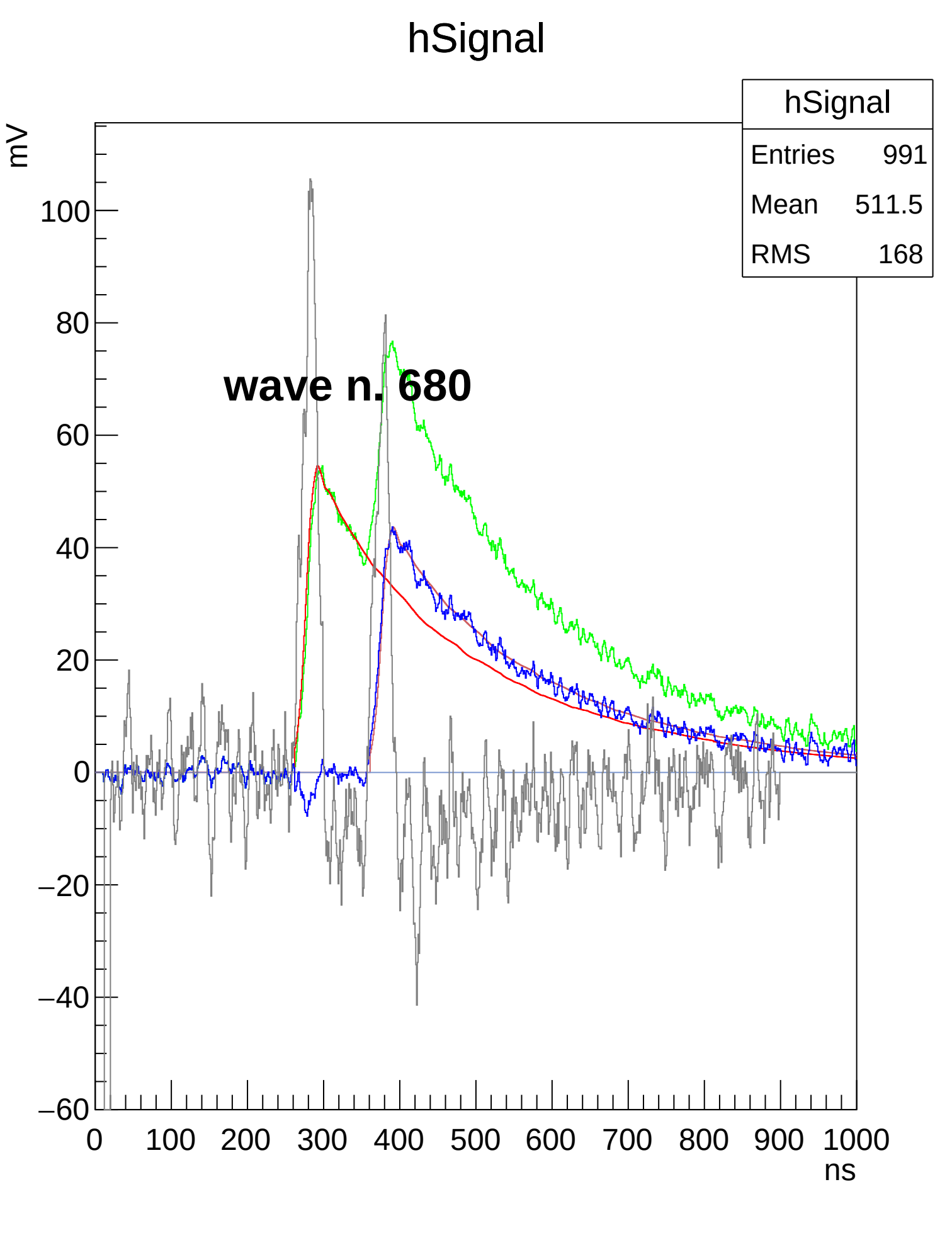

hSignal
hSignal
Entries 991
Mean 579.3
RMS 158.7
wave n. 675
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

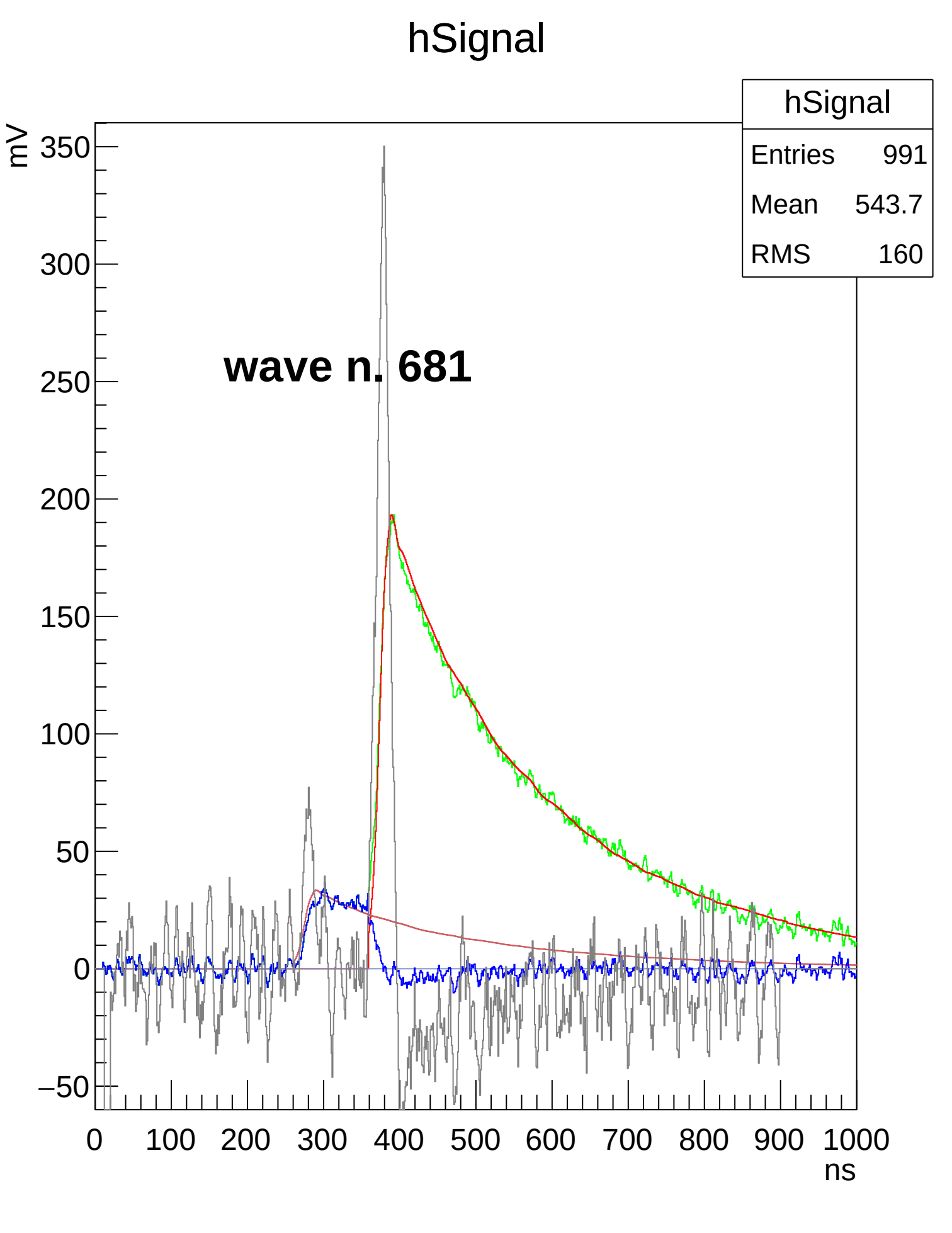

hSignal
hSignal
Entries 991
Mean 457.6
RMS 180.6
wave n. 676
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

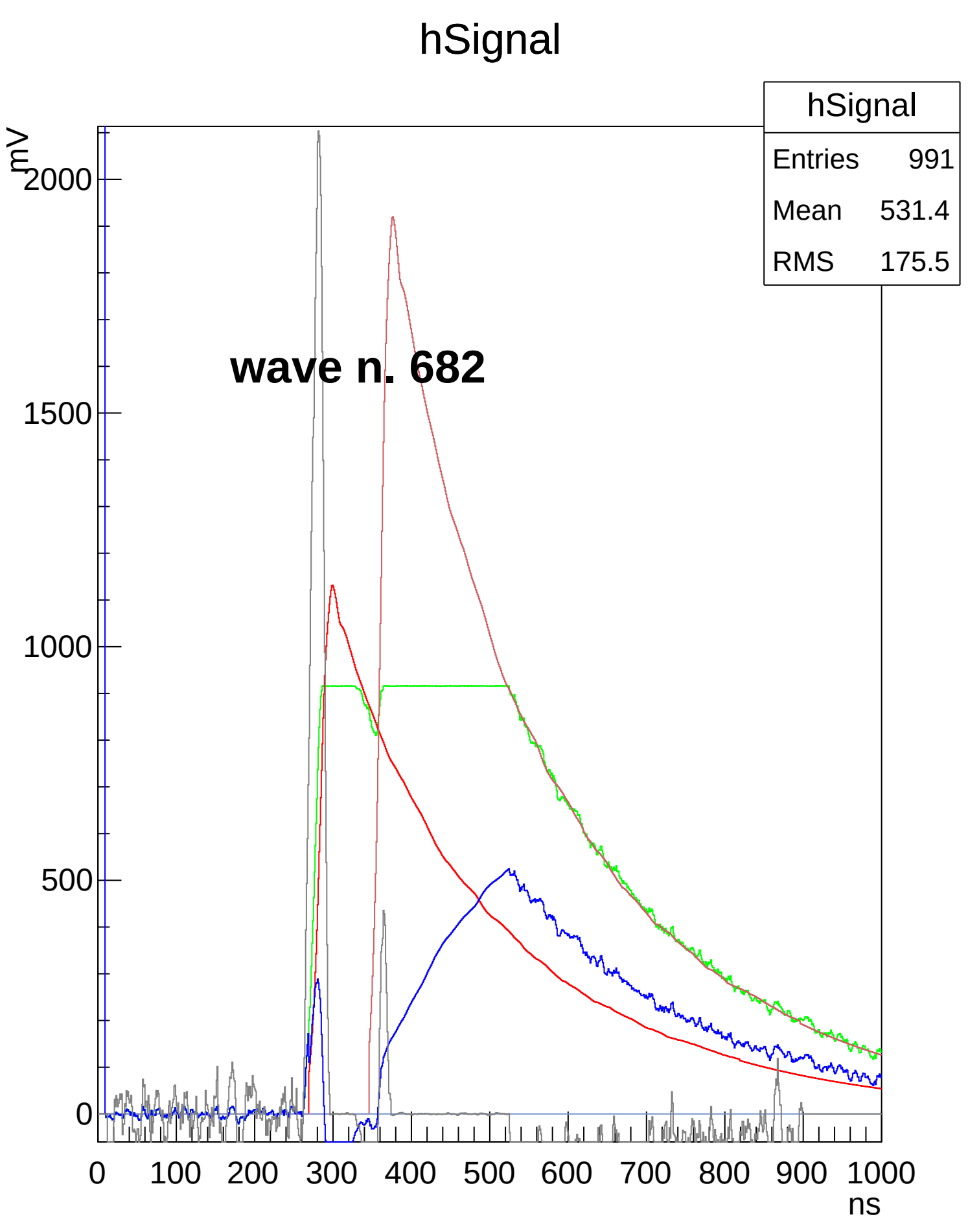

hSignal
hSignal
Entries 991
Mean 507
RMS 175.8
wave n. 677
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

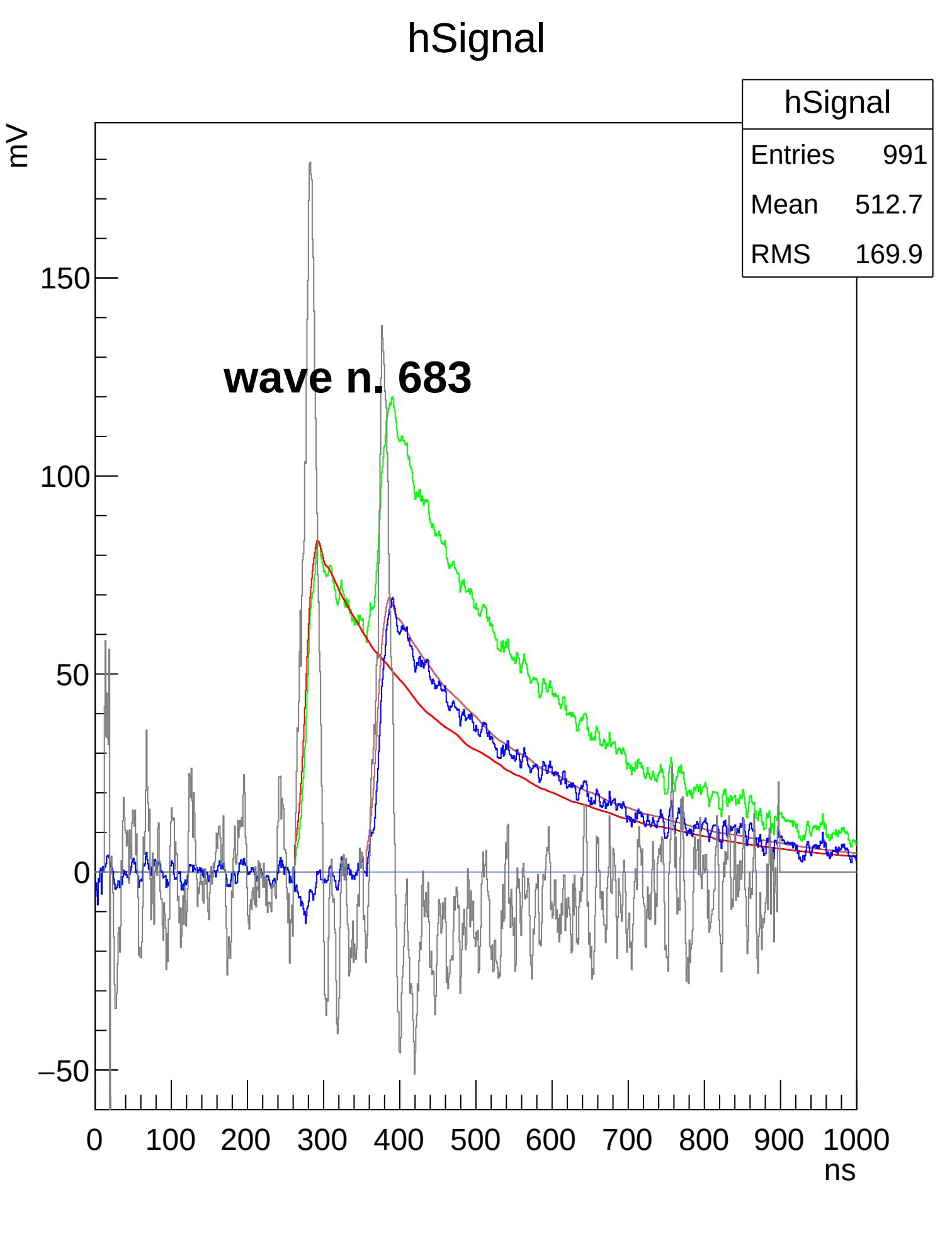

hSignal
hSignal
Entries 991
Mean 506.9
RMS 181.2
wave n. 678
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

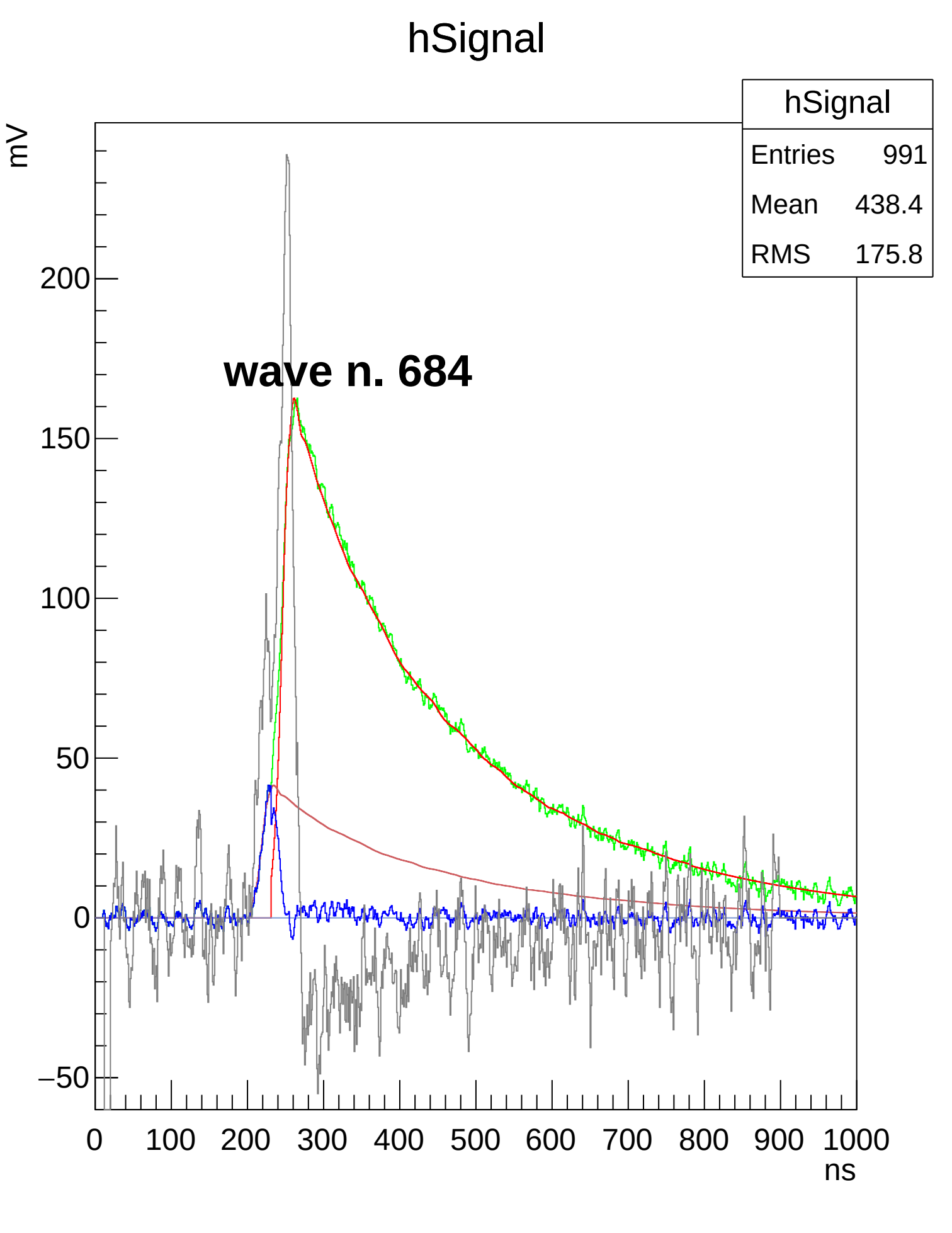

hSignal
hSignal
Entries 991
Mean 491.2
RMS 177.1
wave n. 679
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

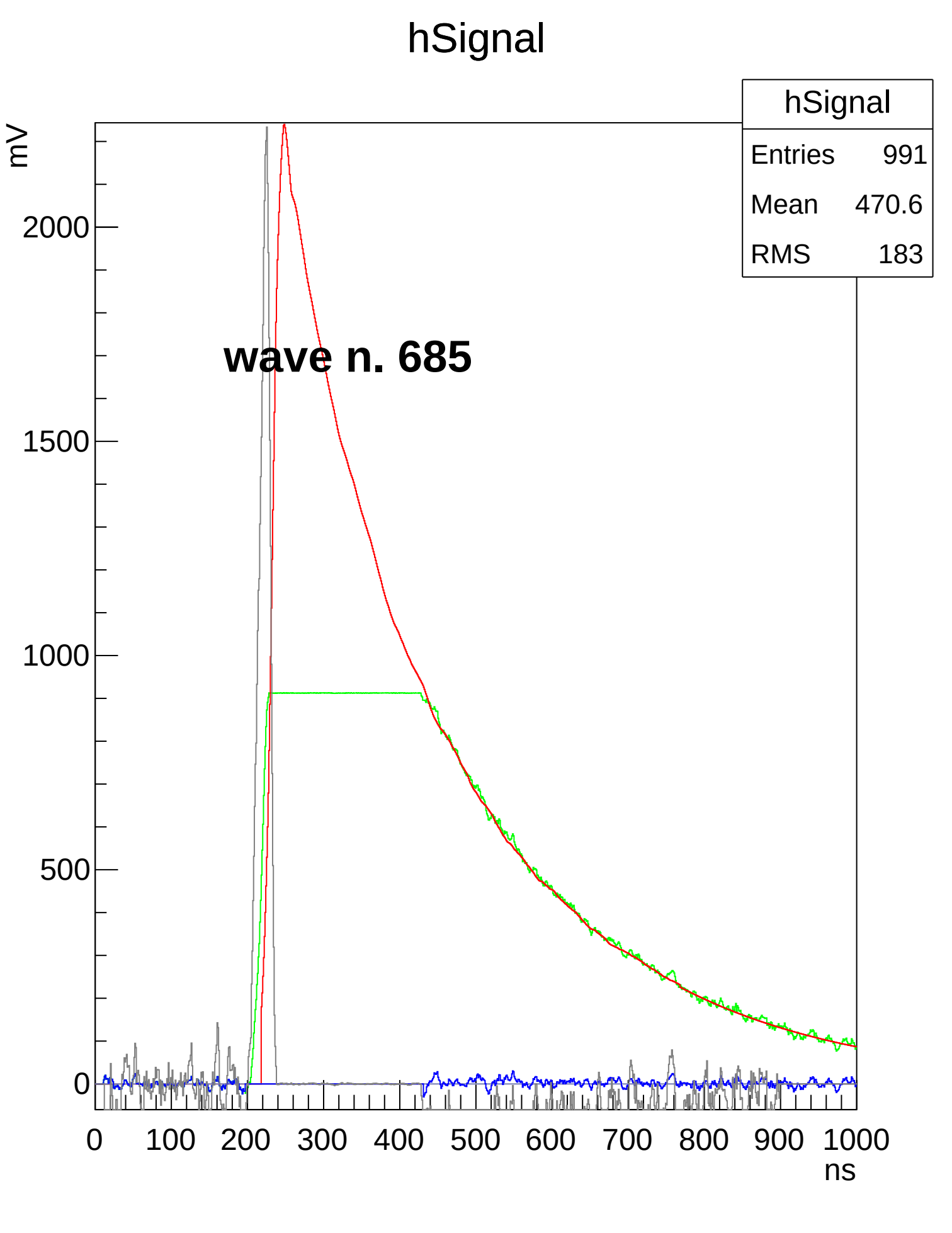

hSignal
hSignal
Entries 991
Mean 511.5
RMS 168
wave n. 680
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

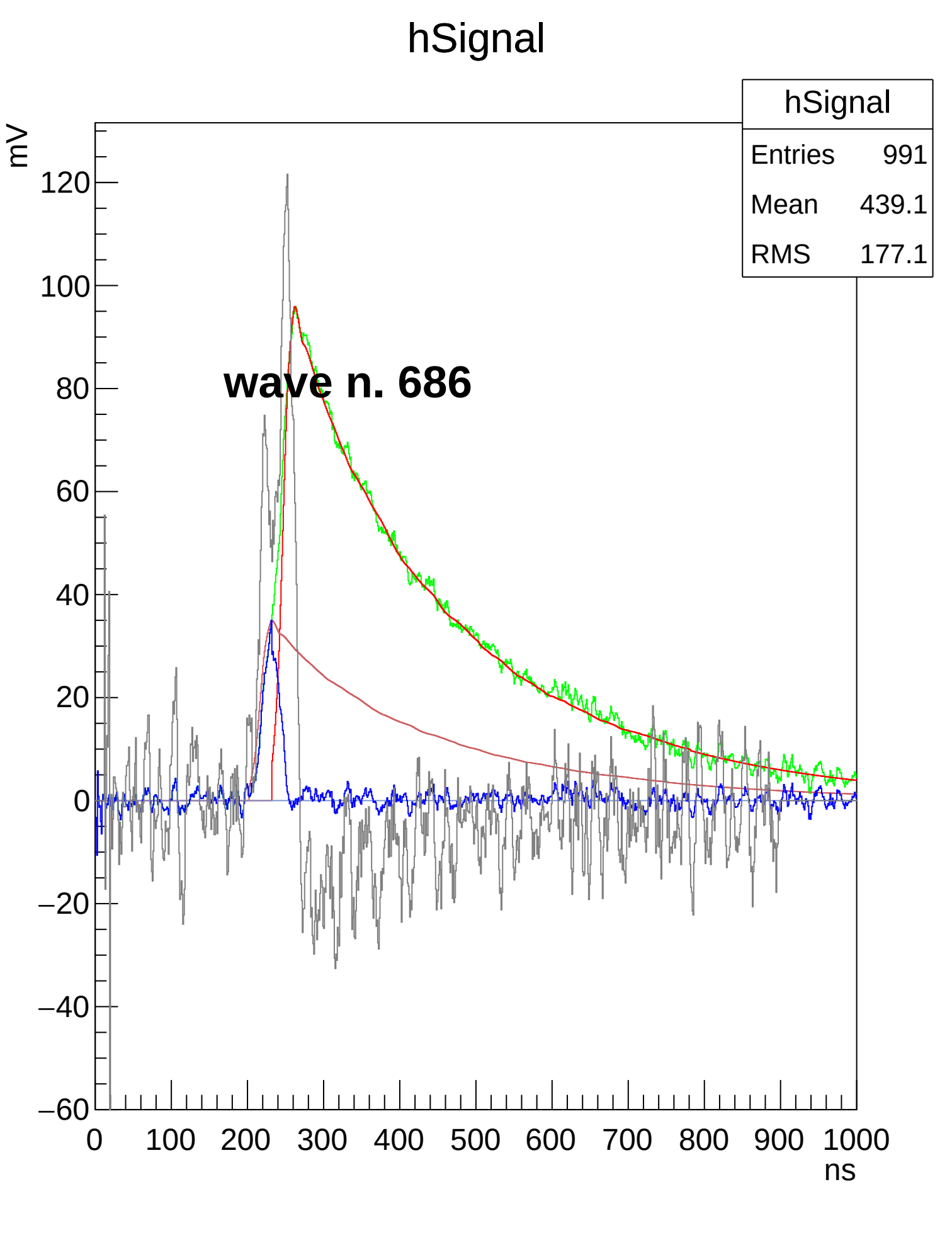

hSignal
hSignal
Entries 991
Mean 543.7
RMS 160
wave n. 681
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

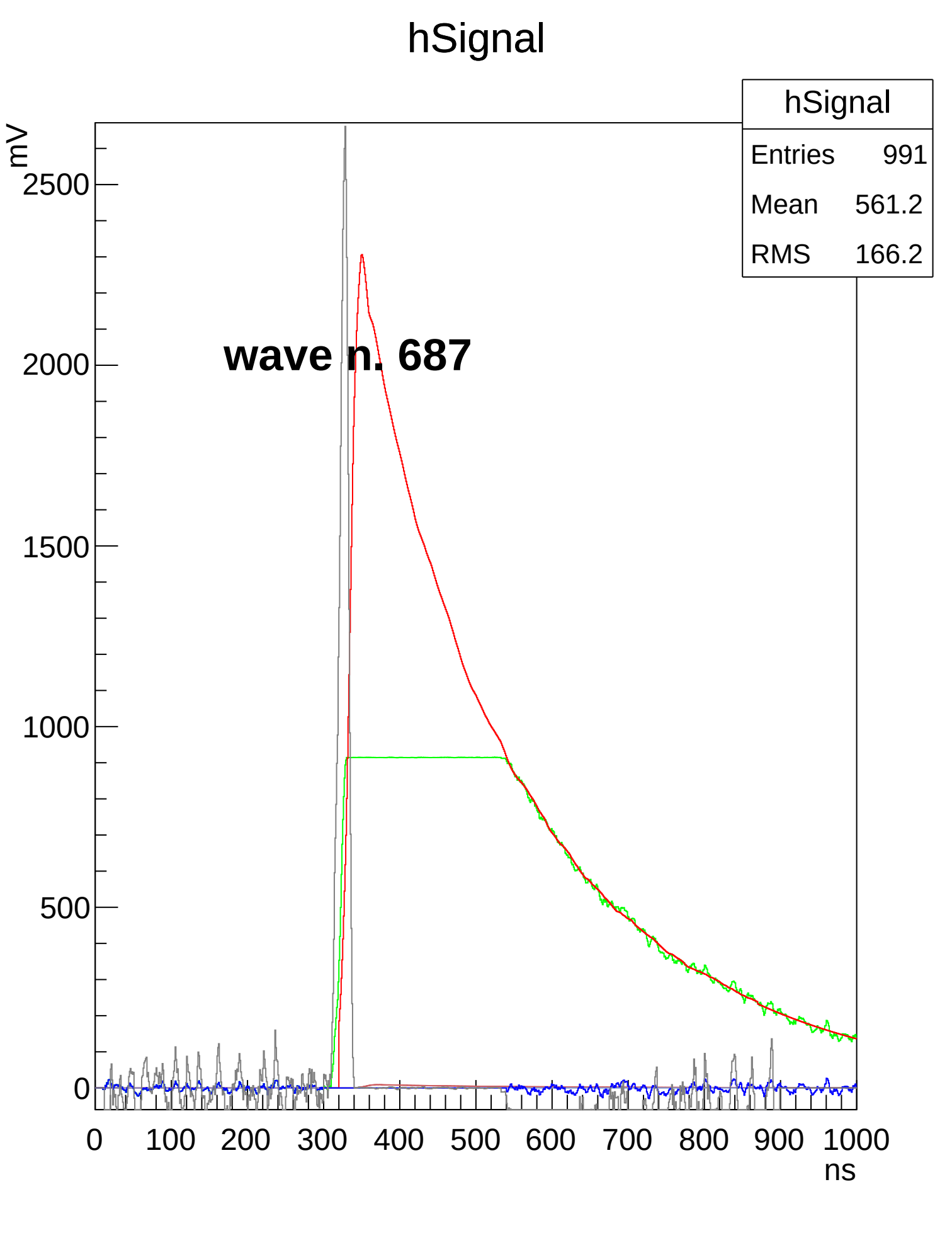

hSignal
hSignal
Entries 991
Mean 531.4
RMS 175.5
wave n. 682
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

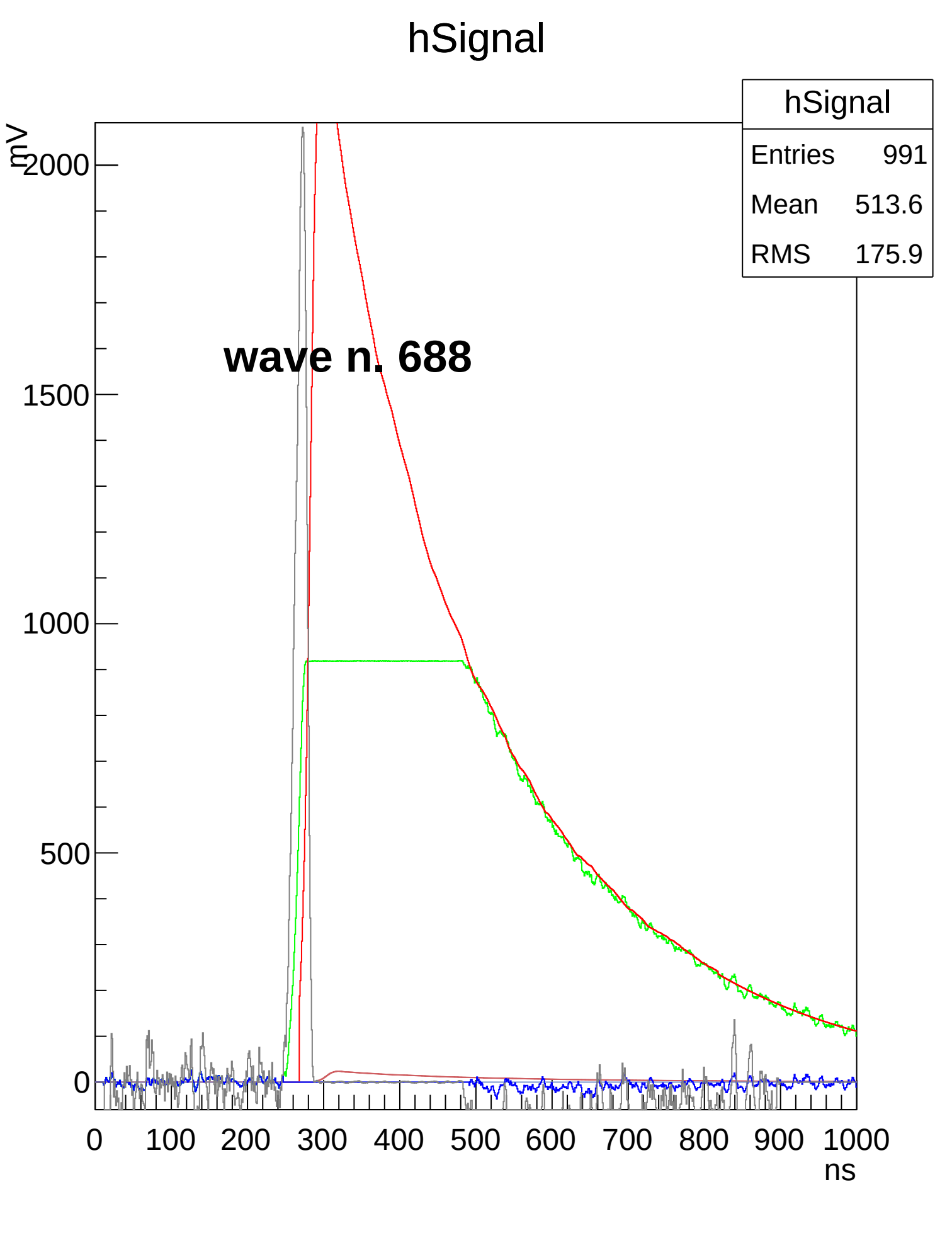

hSignal
hSignal
Entries 991
Mean 512.7
RMS 169.9
wave n. 683
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

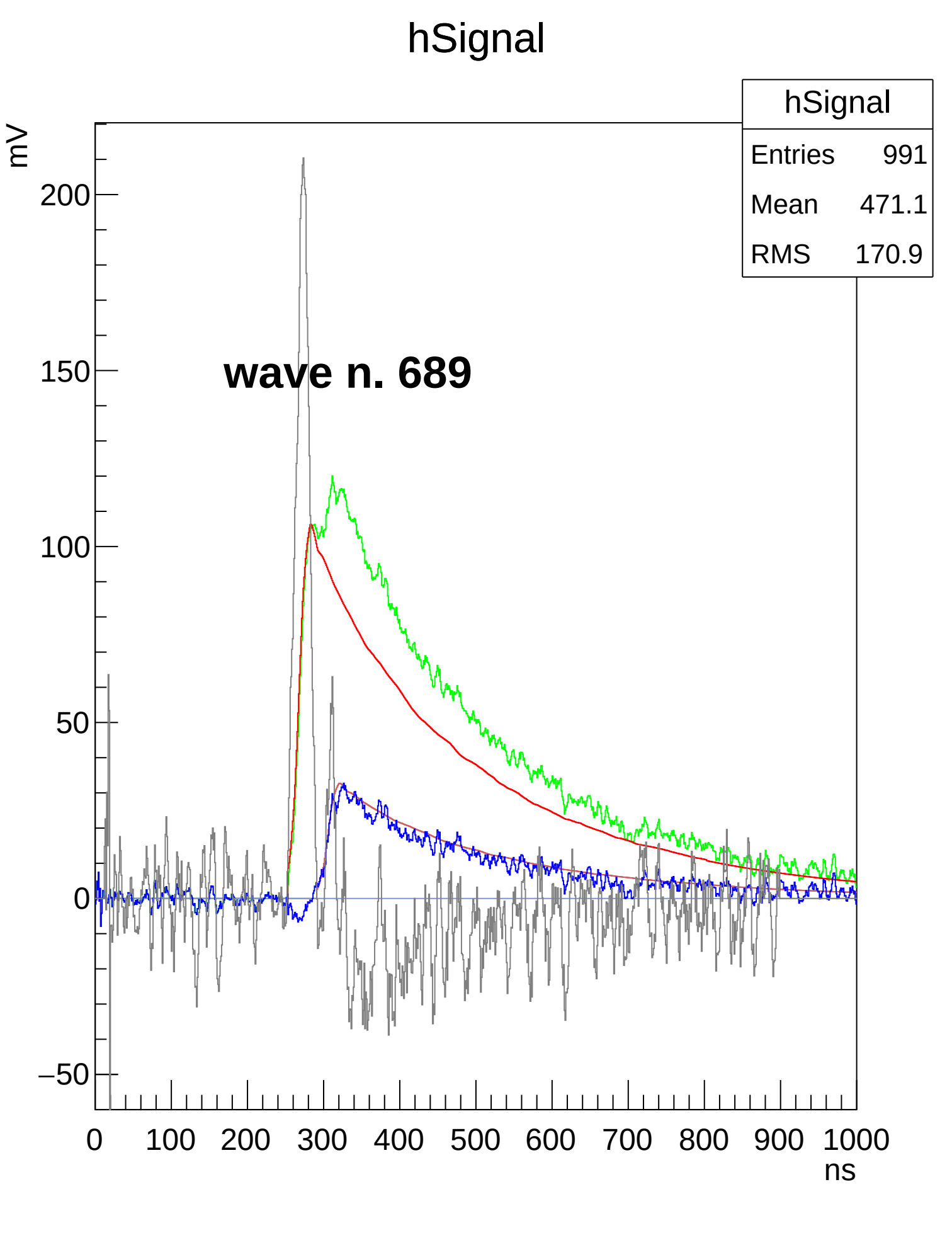

hSignal
hSignal
Entries 991
Mean 438.4
RMS 175.8
wave n. 684
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

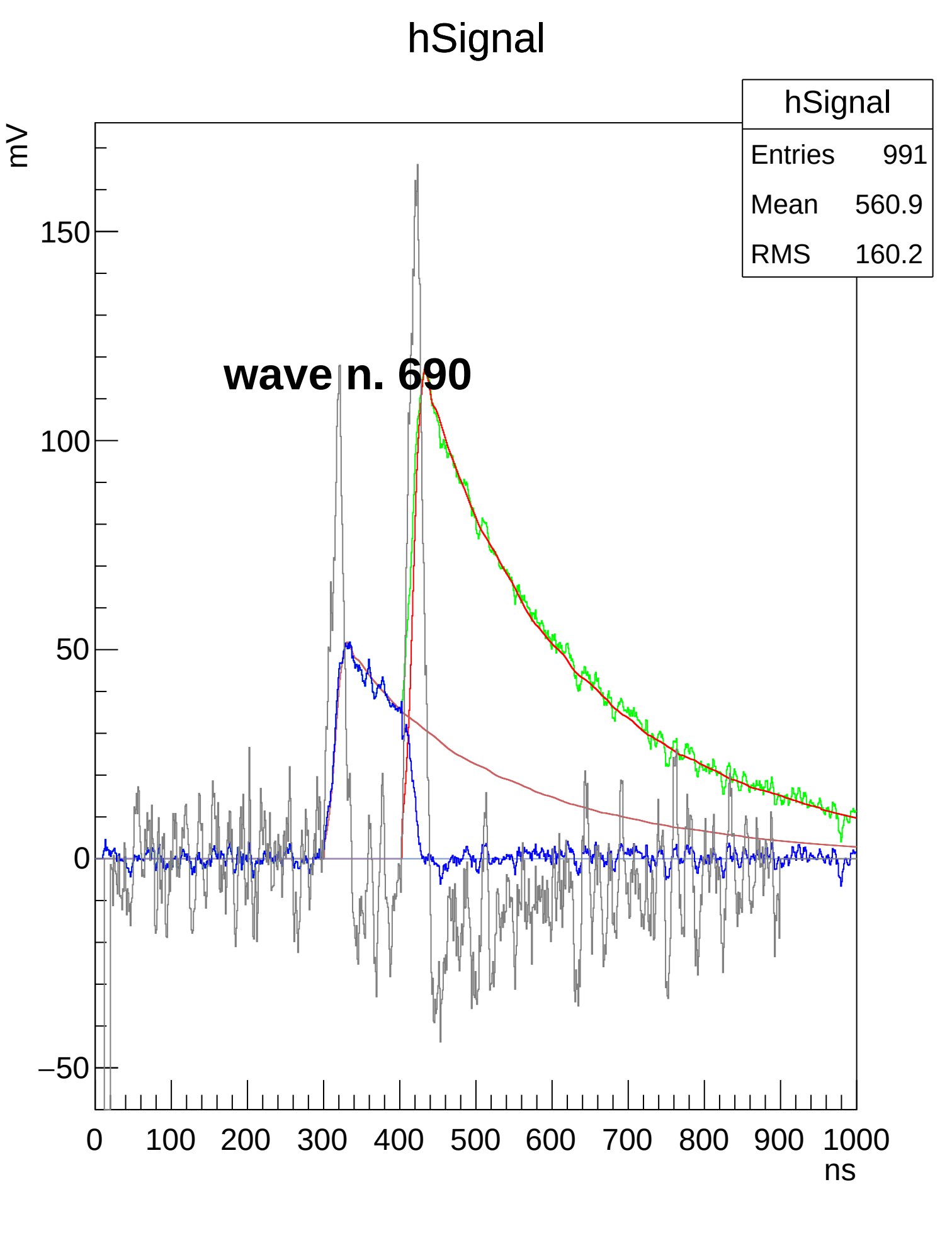

hSignal
hSignal
Entries 991
Mean 470.6
RMS 183
wave n. 685
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

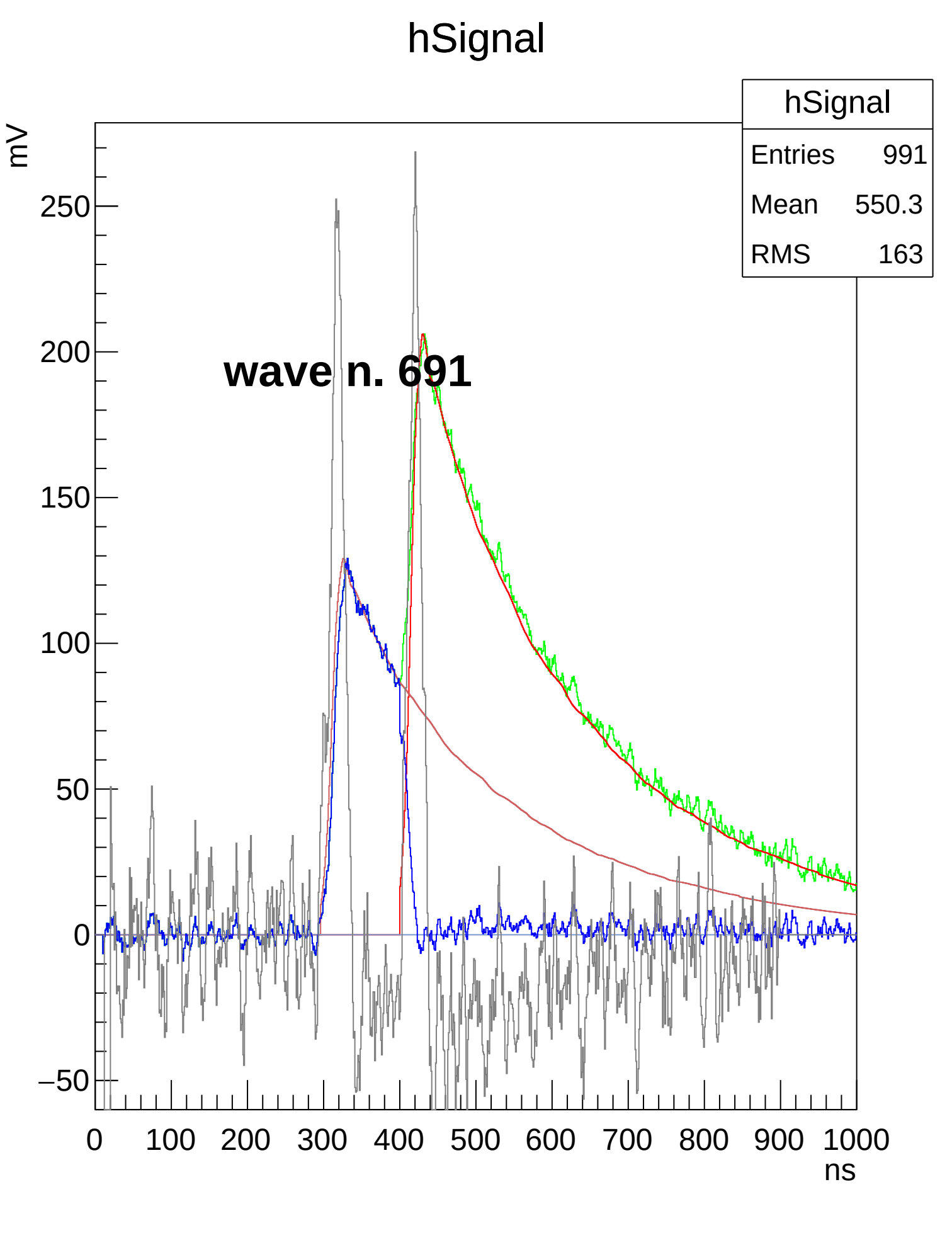

hSignal
hSignal
Entries 991
Mean 439.1
RMS 177.1
wave n. 686
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

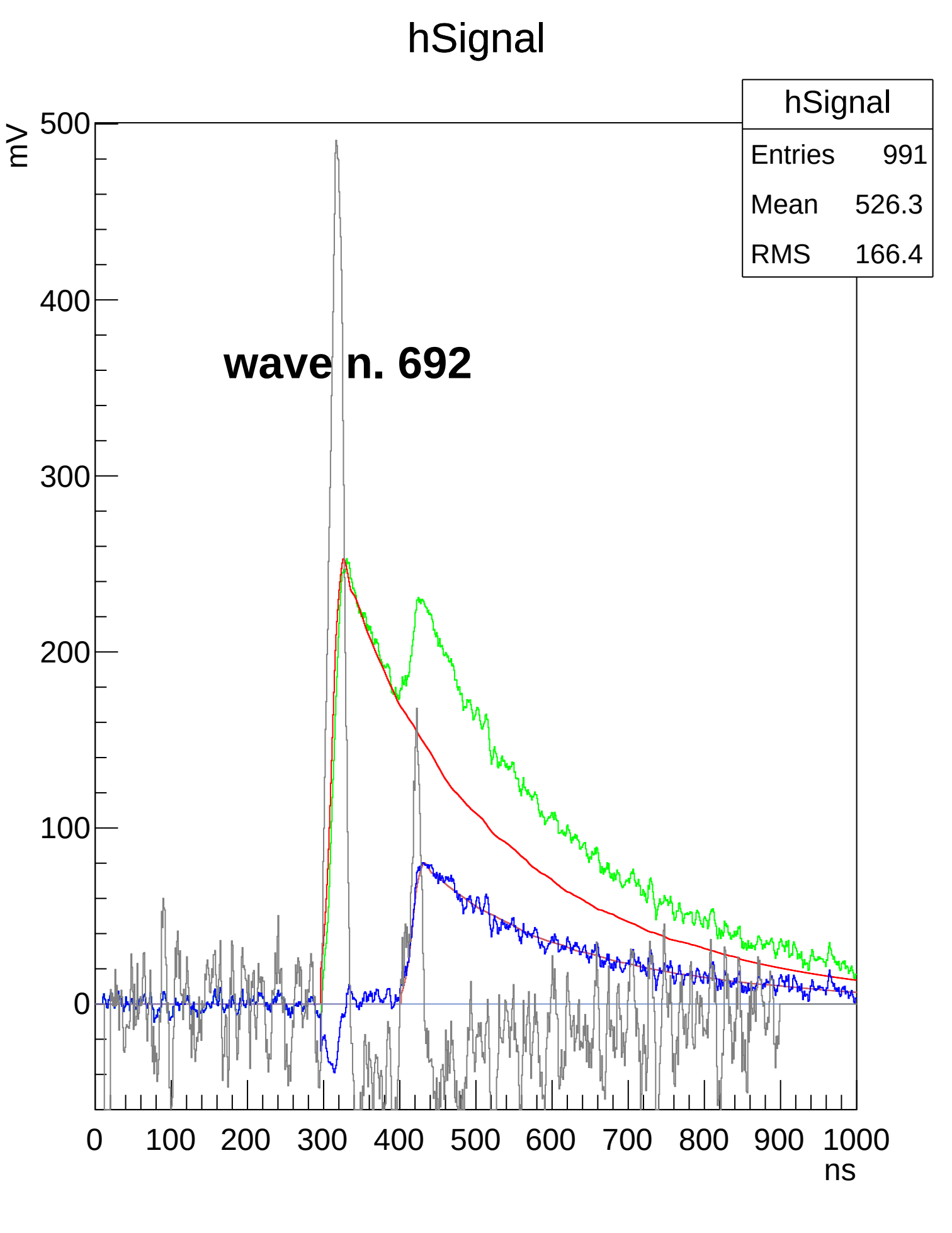

hSignal
hSignal
Entries 991
Mean 561.2
RMS 166.2
wave n. 687
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

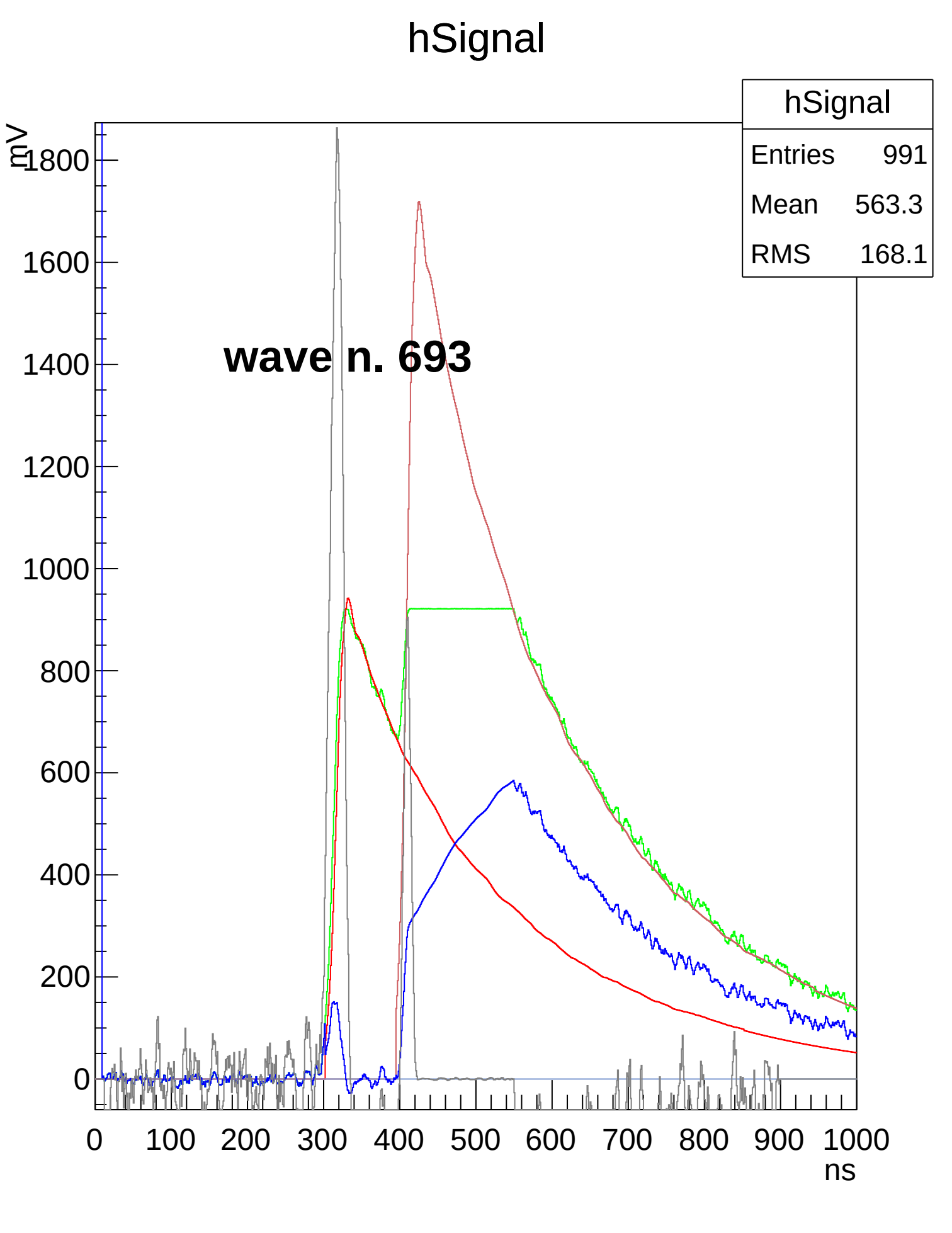

hSignal
hSignal
Entries 991
Mean 513.6
RMS 175.9
wave n. 688
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

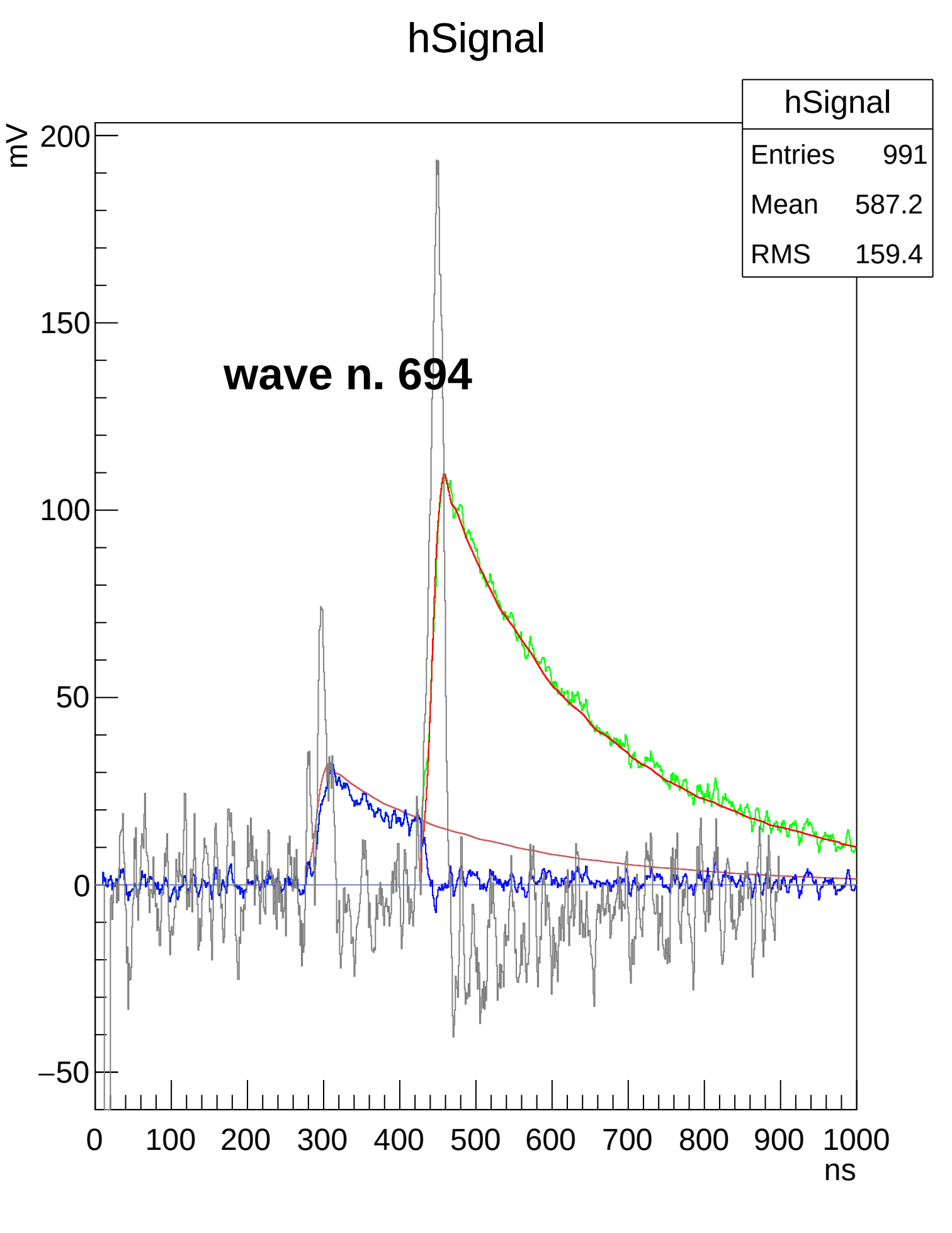

hSignal
hSignal
Entries 991
Mean 471.1
RMS 170.9
wave n. 689
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

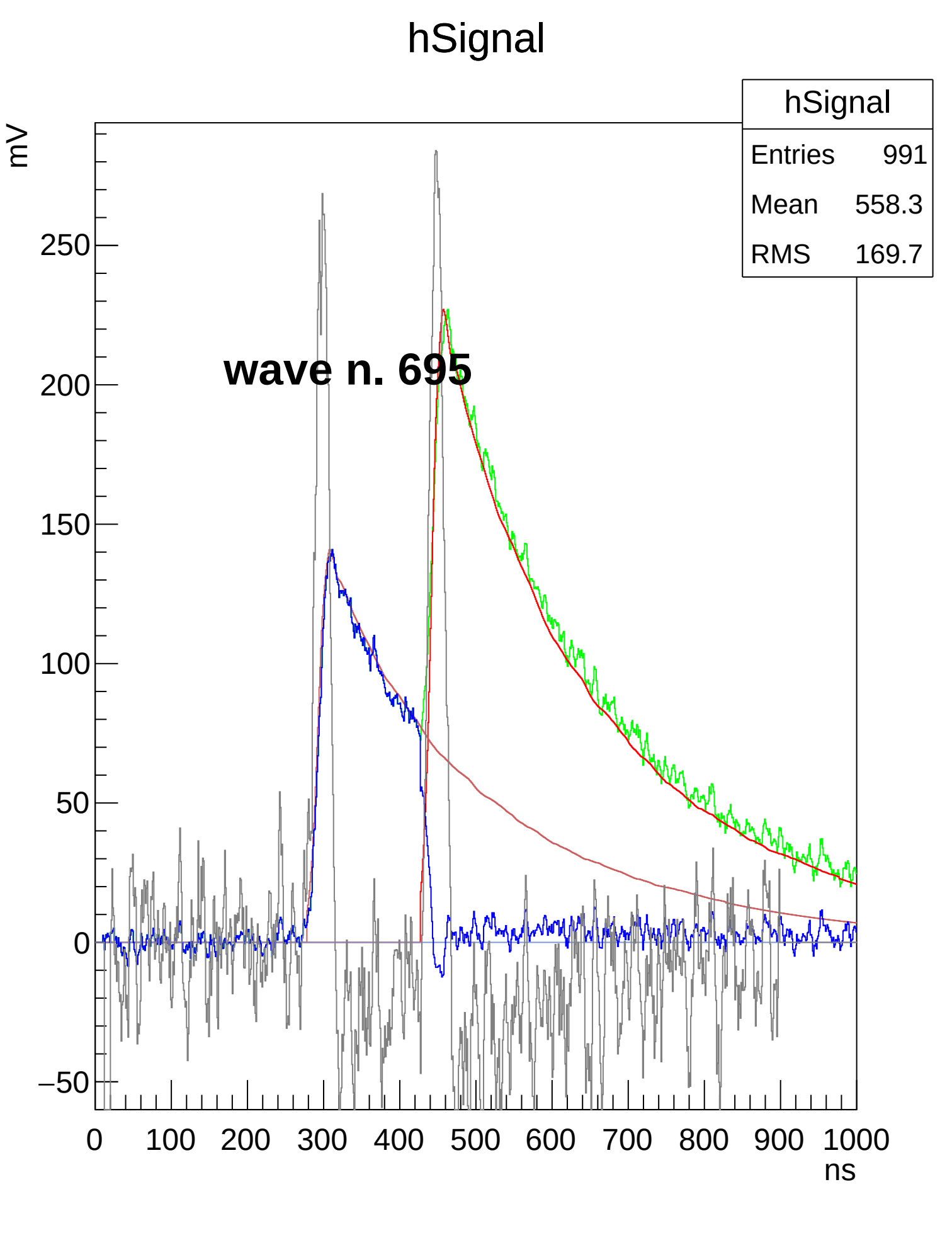

hSignal
hSignal
Entries 991
Mean 560.9
RMS 160.2
wave n. 690
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

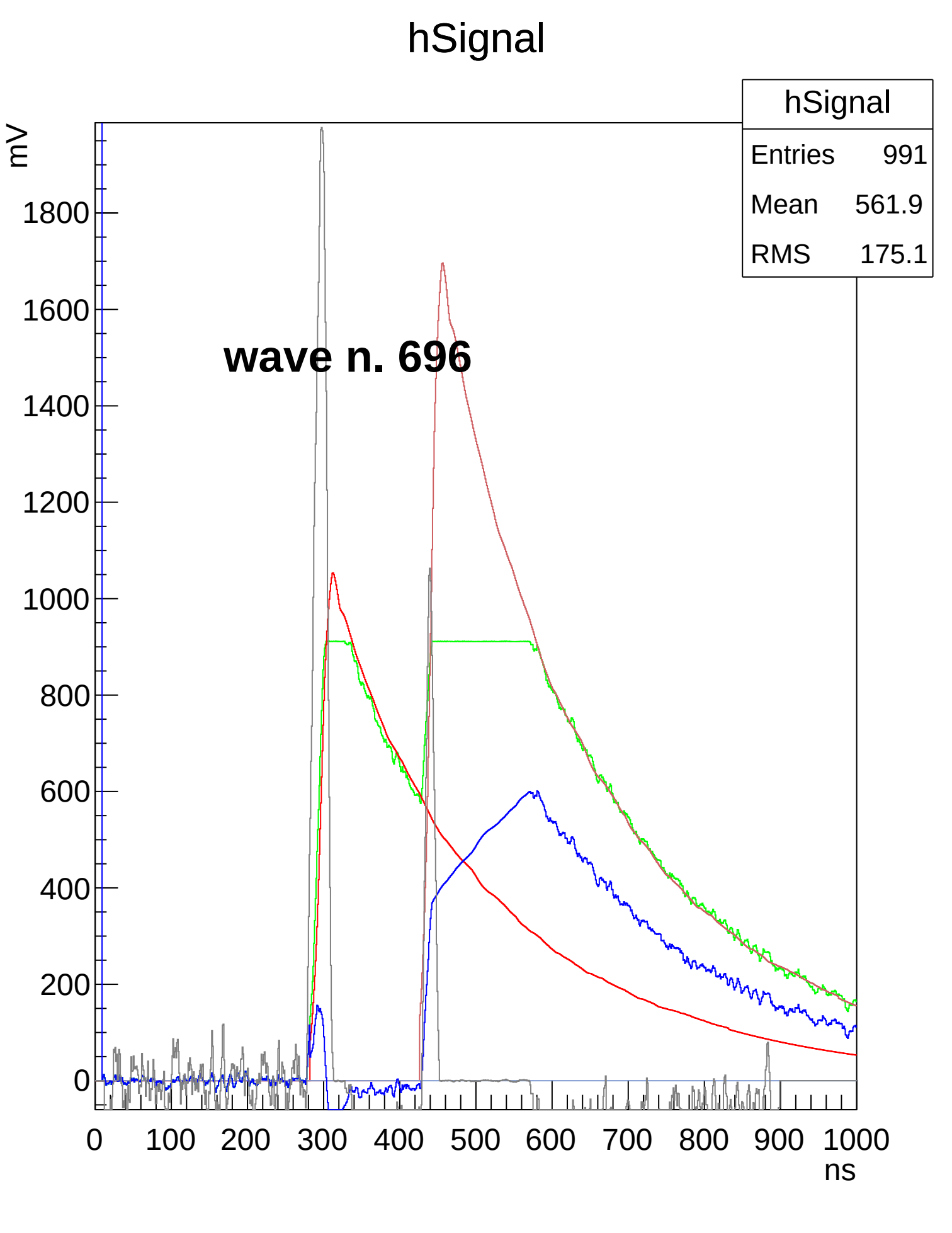

hSignal
hSignal
Entries 991
Mean 550.3
RMS 163
wave n. 691
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

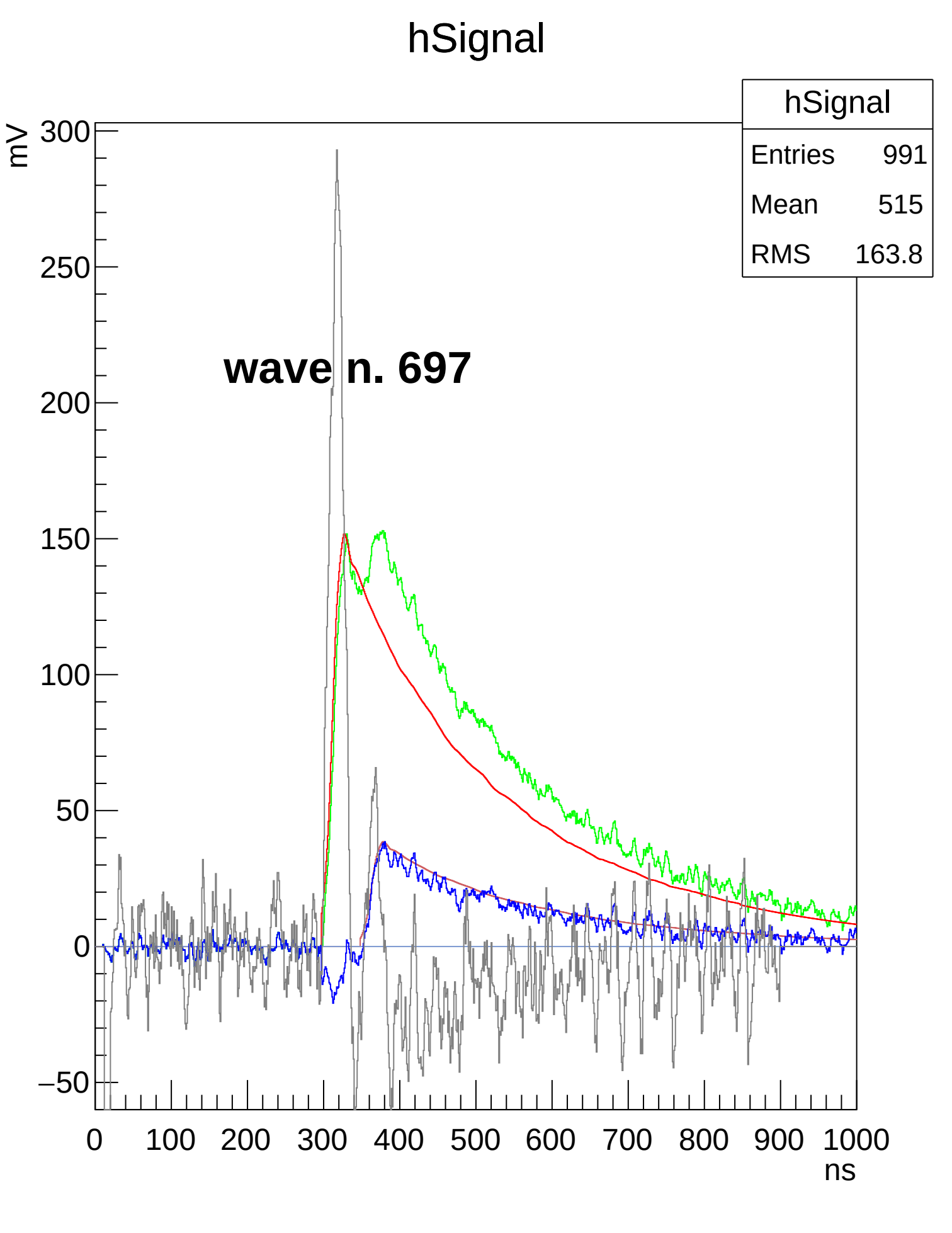

hSignal
hSignal
Entries 991
Mean 526.3
RMS 166.4
wave n. 692
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

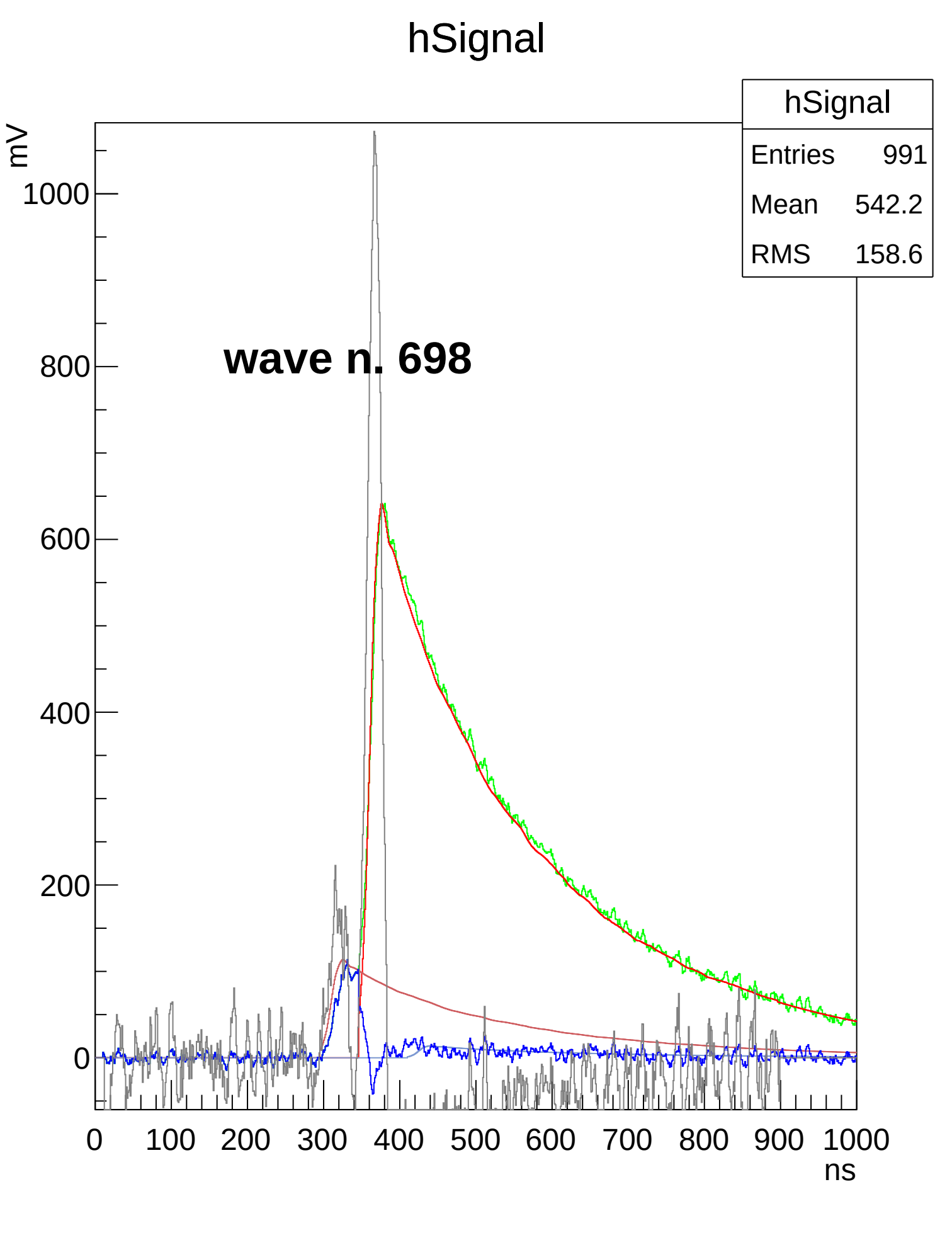

hSignal
hSignal
Entries 991
Mean 563.3
RMS 168.1
wave n. 693
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

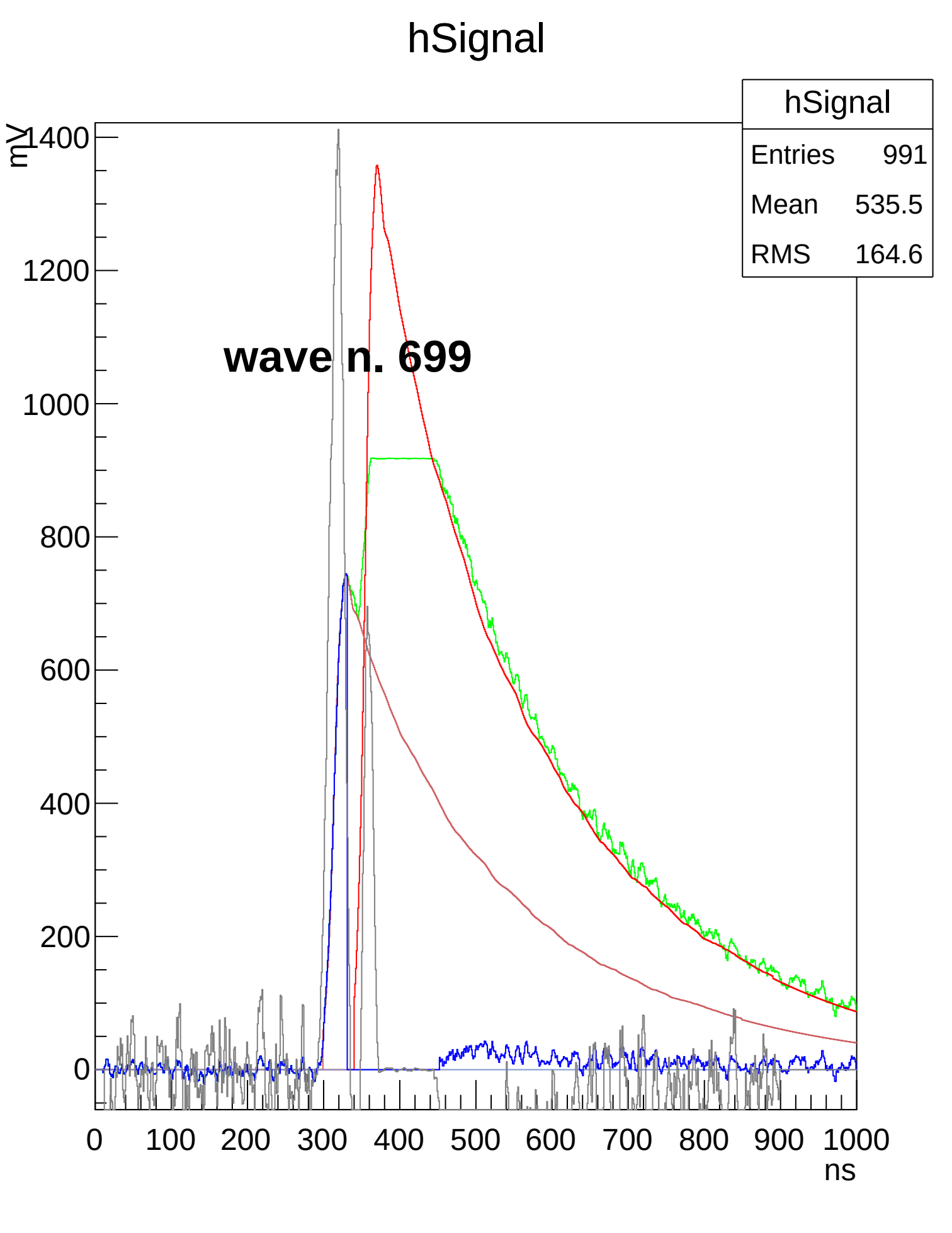

hSignal
hSignal
Entries 991
Mean 587.2
RMS 159.4
wave n. 694
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

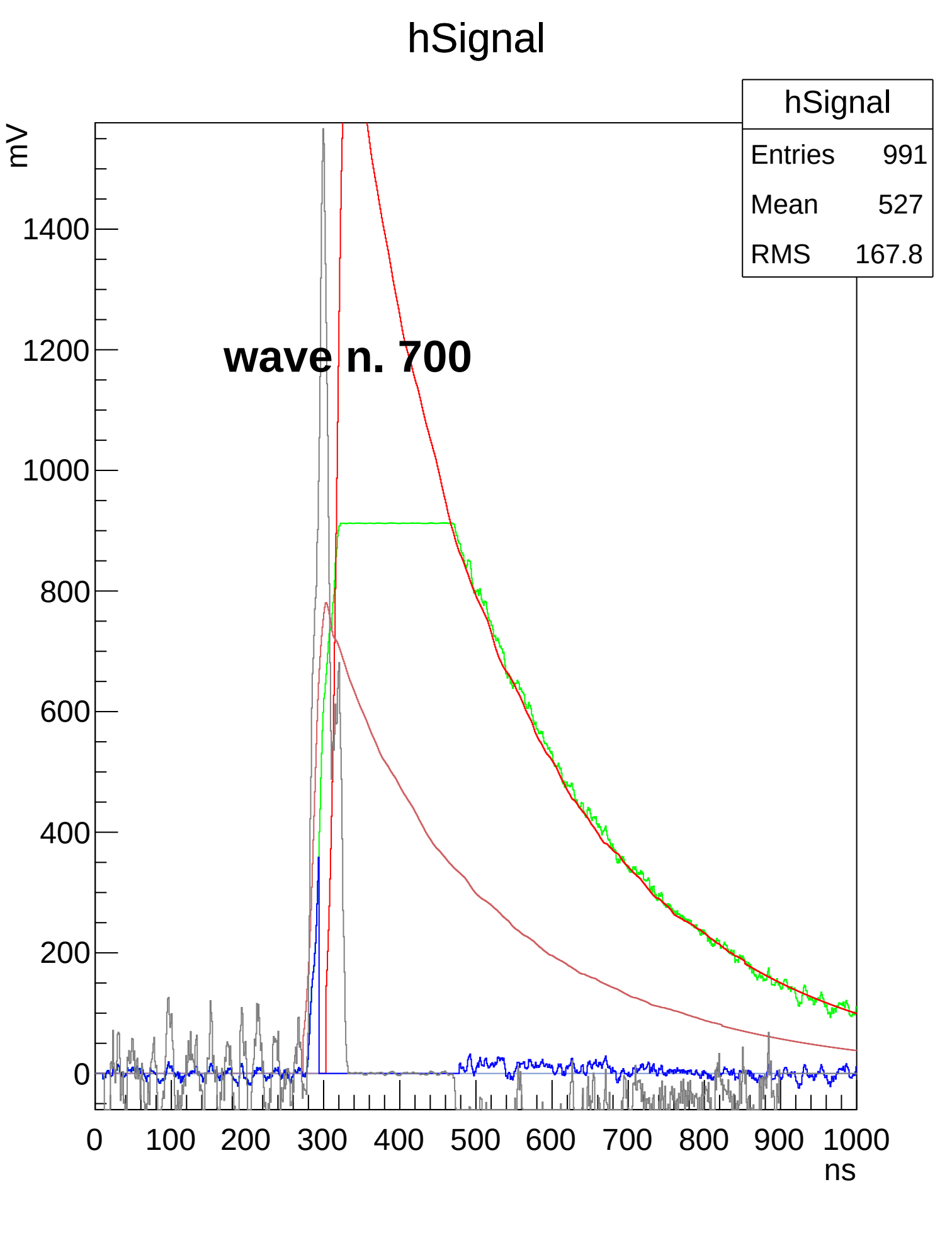

hSignal
hSignal
Entries 991
Mean 558.3
RMS 169.7
wave n. 695
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

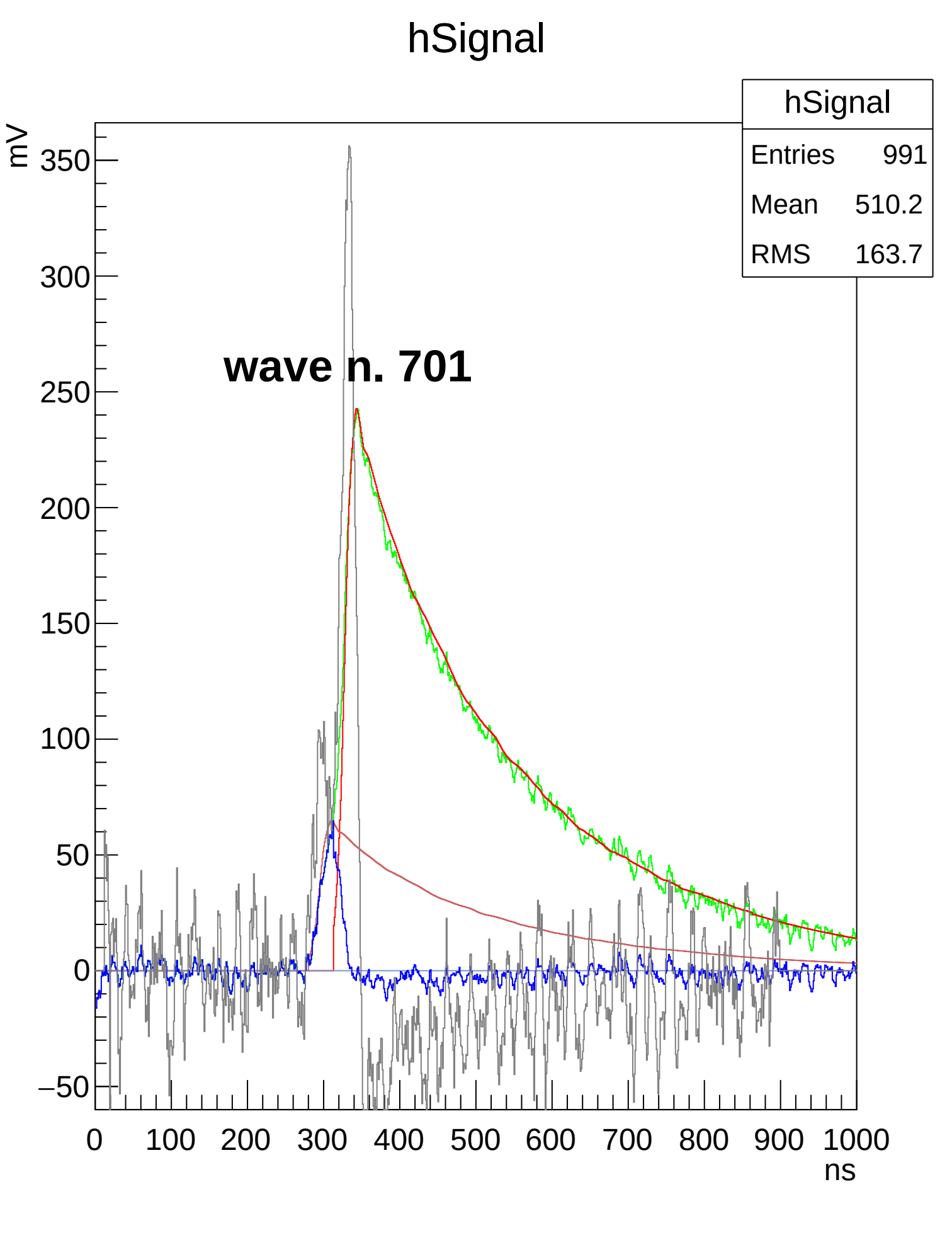

hSignal
hSignal
Entries 991
Mean 561.9
RMS 175.1
wave n. 696
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

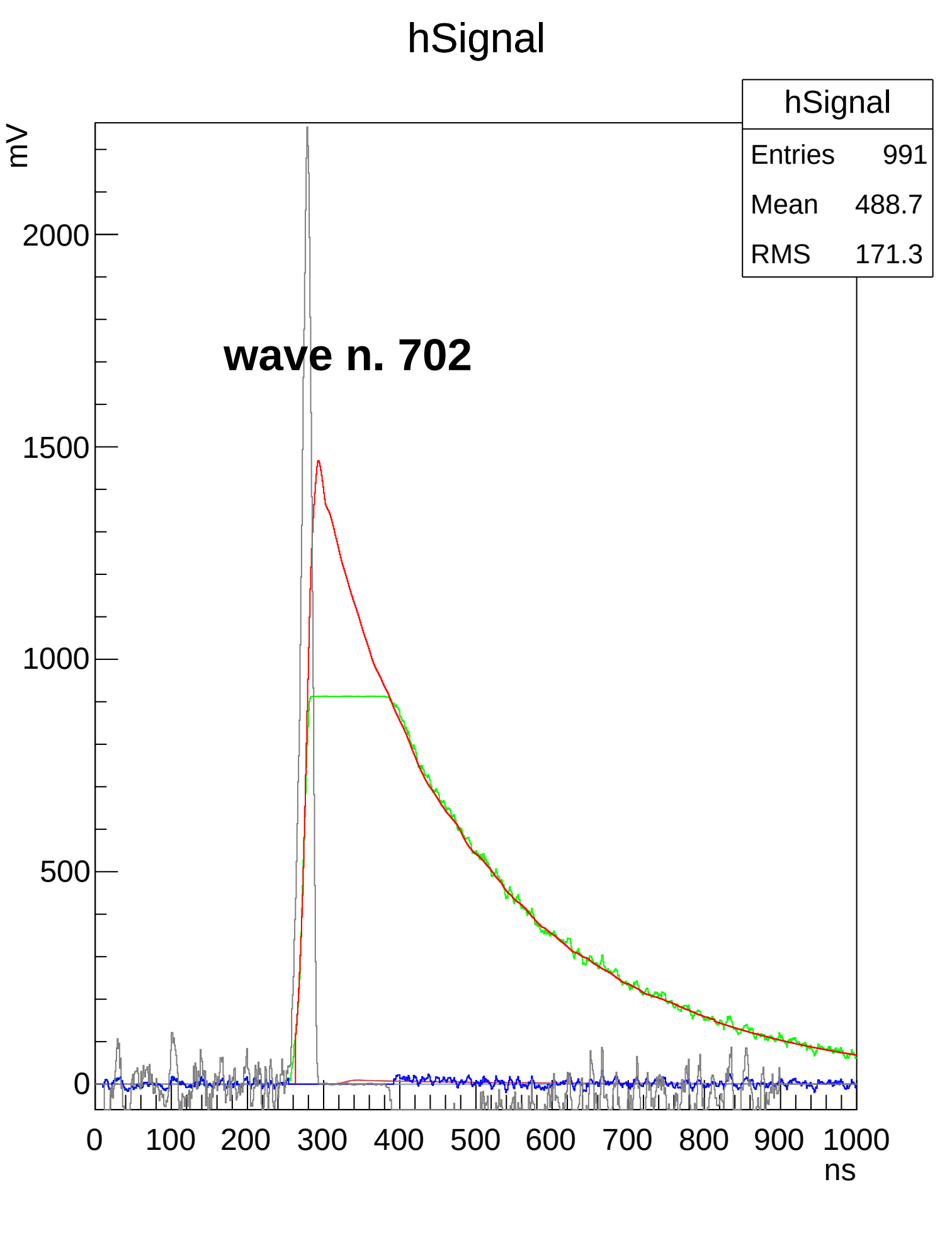

hSignal
hSignal
Entries 991
Mean 515
RMS 163.8
wave n. 697
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

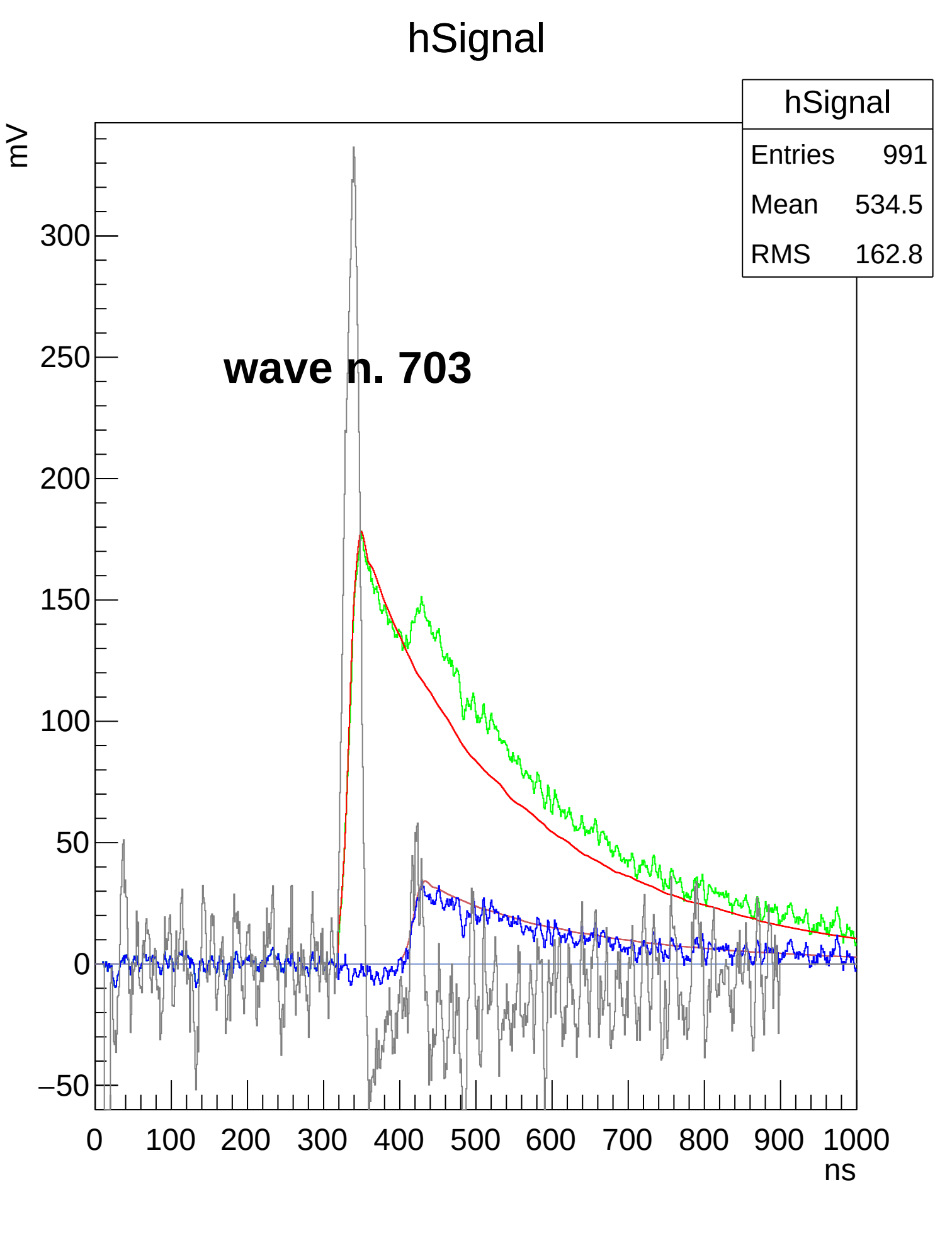

hSignal
hSignal
Entries 991
Mean 542.2
RMS 158.6
wave n. 698
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

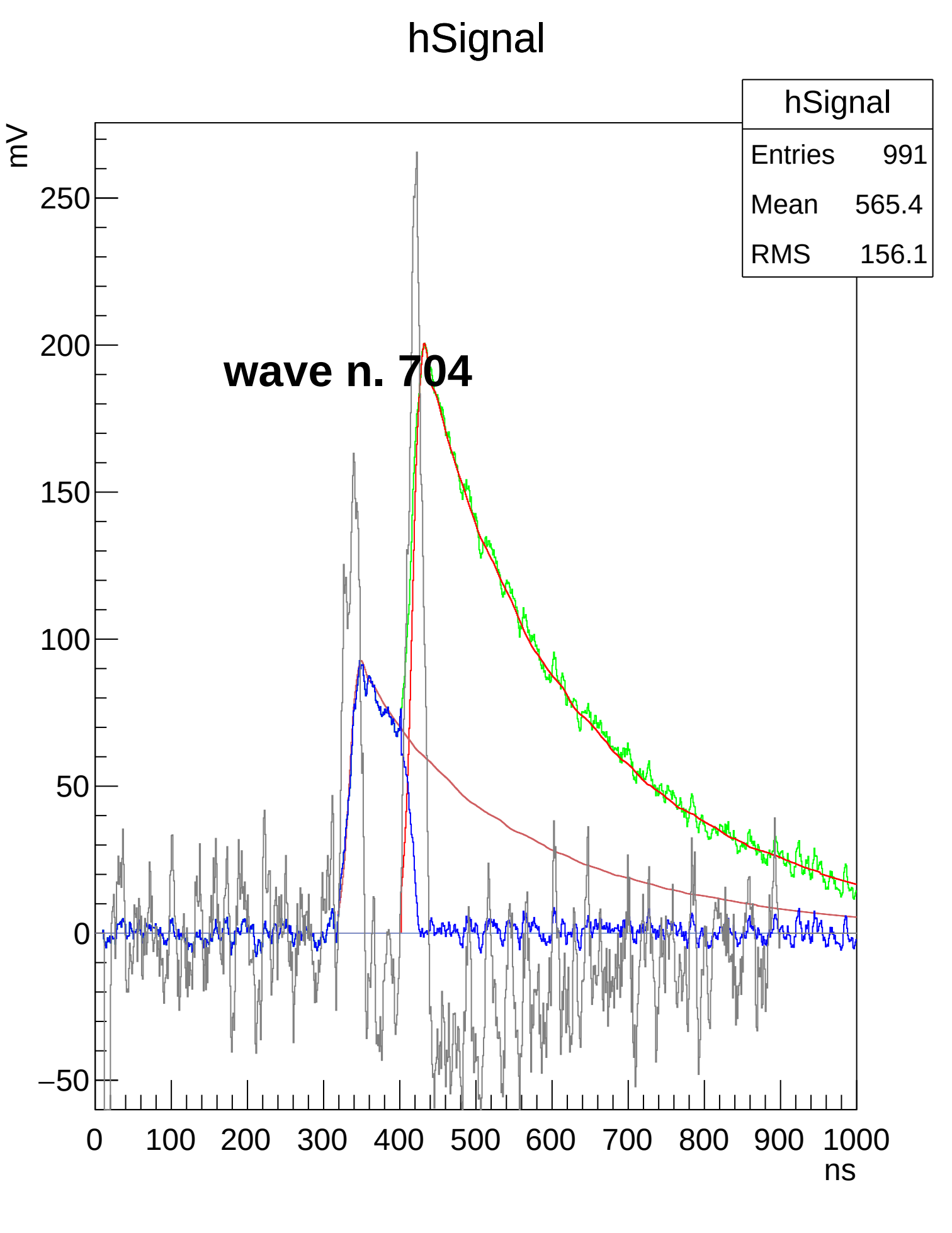

hSignal
hSignal
Entries 991
Mean 535.5
RMS 164.6
wave n. 699
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

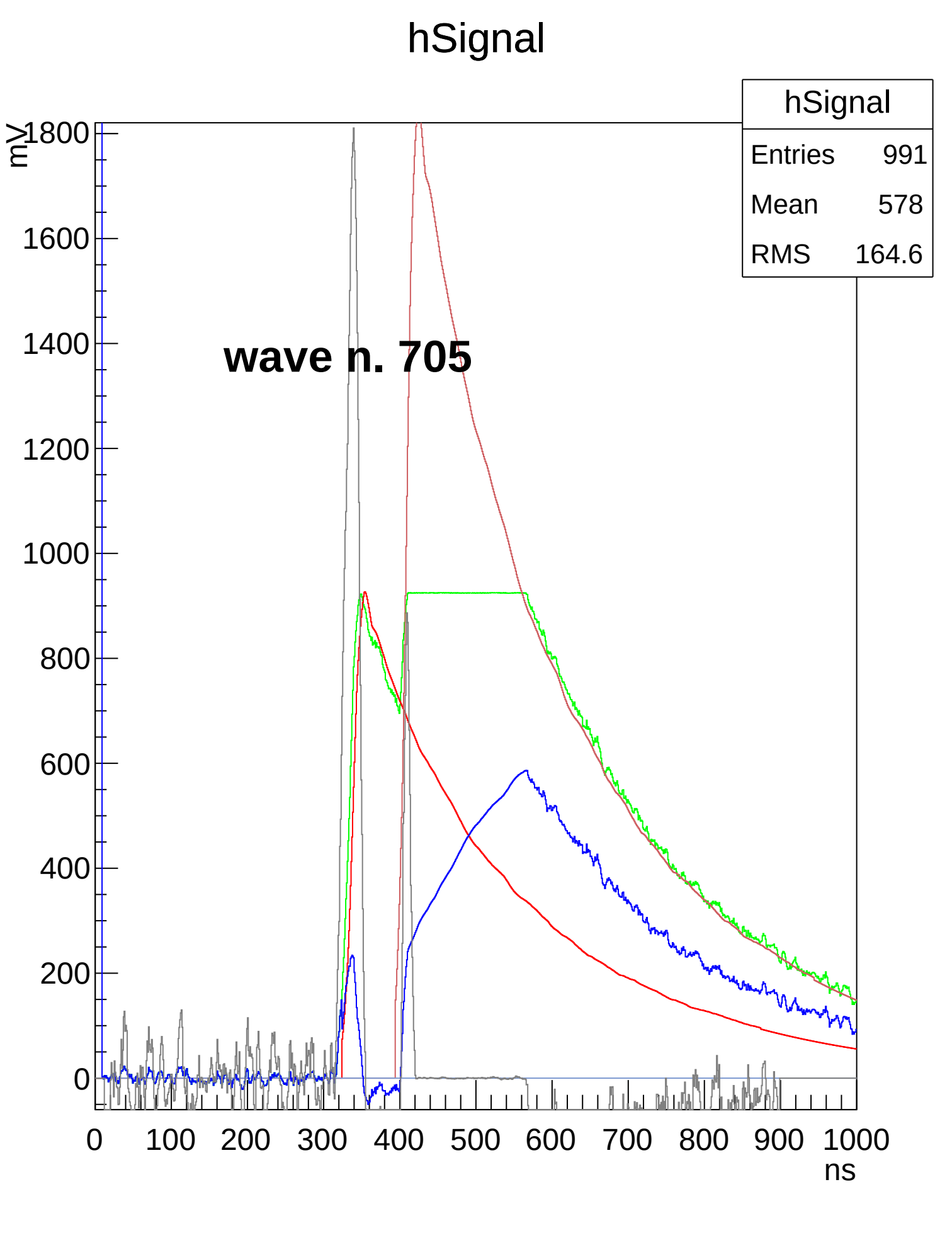

hSignal
hSignal
Entries 991
Mean 527
RMS 167.8
wave n. 700
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

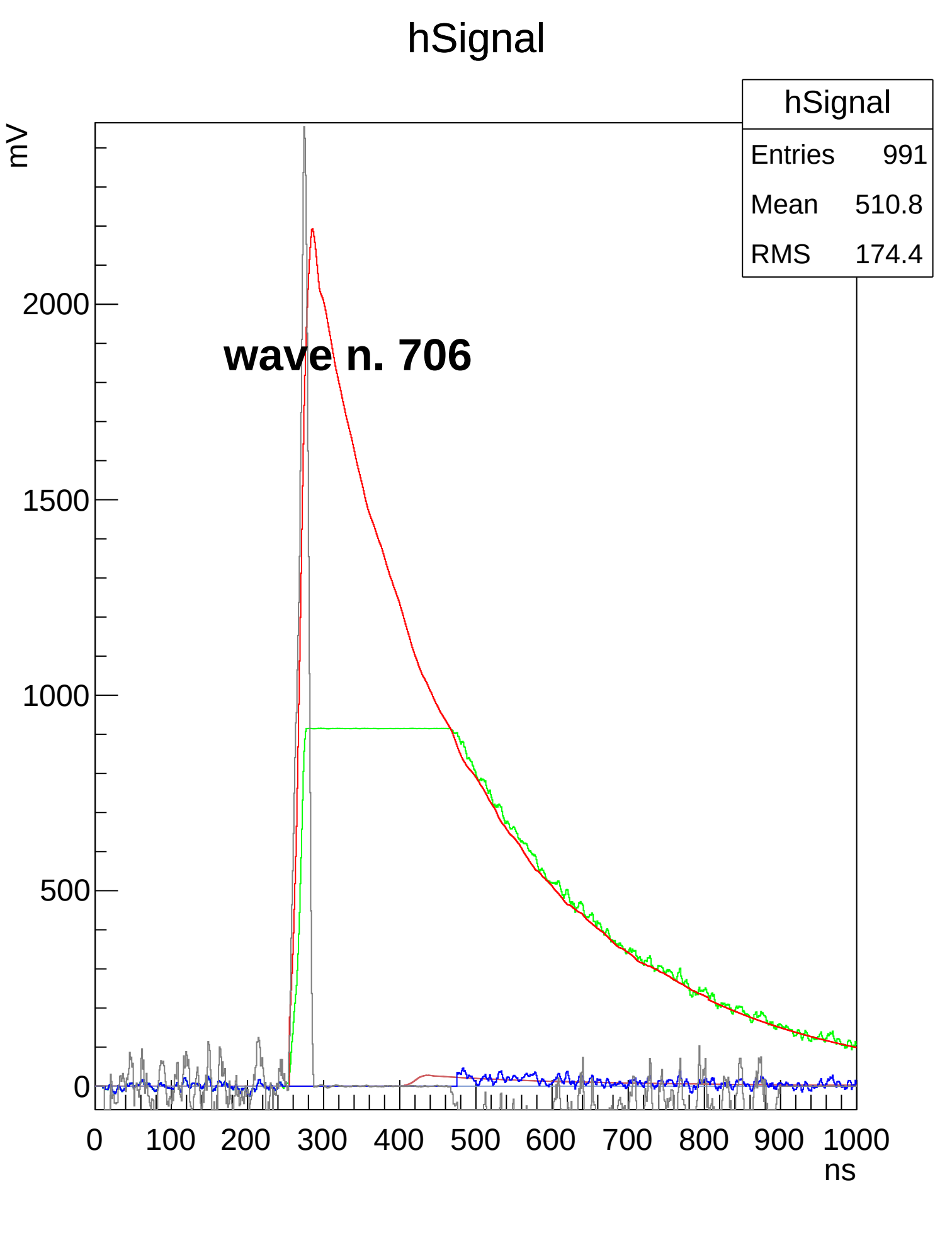

hSignal
hSignal
Entries 991
Mean 510.2
RMS 163.7
wave n. 701
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

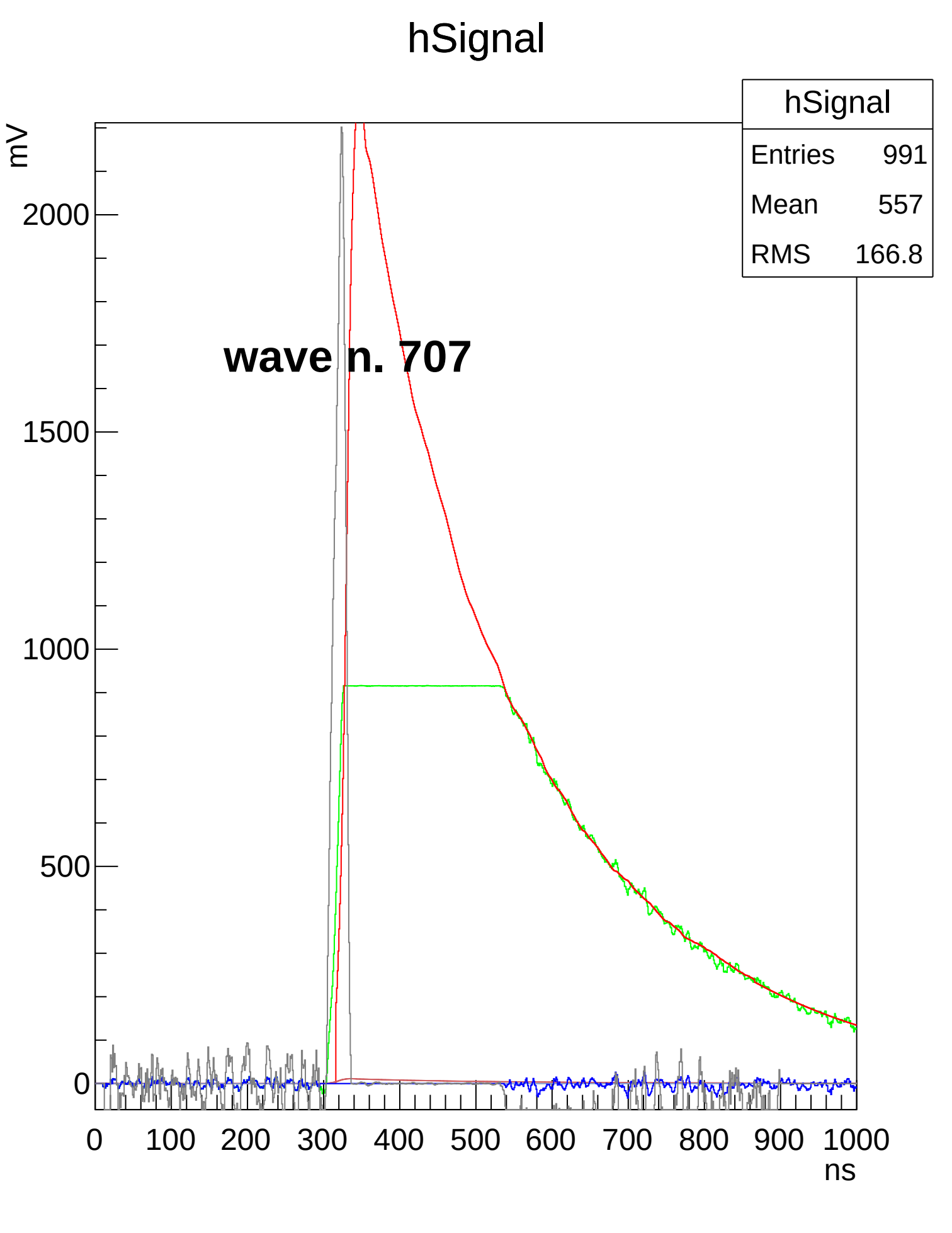

hSignal
hSignal
Entries 991
Mean 488.7
RMS 171.3
wave n. 702
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

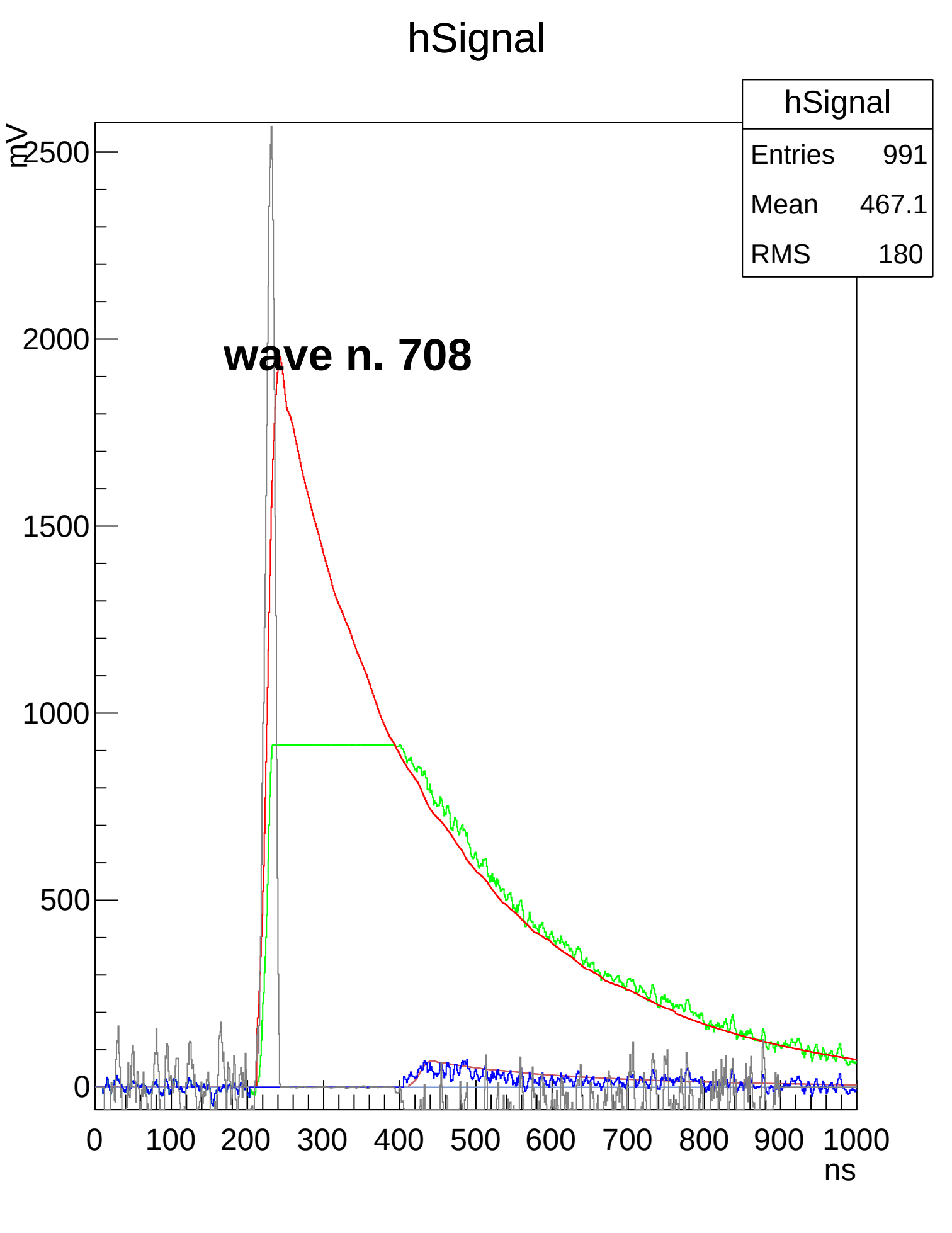

hSignal
hSignal
Entries 991
Mean 534.5
RMS 162.8
wave n. 703
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

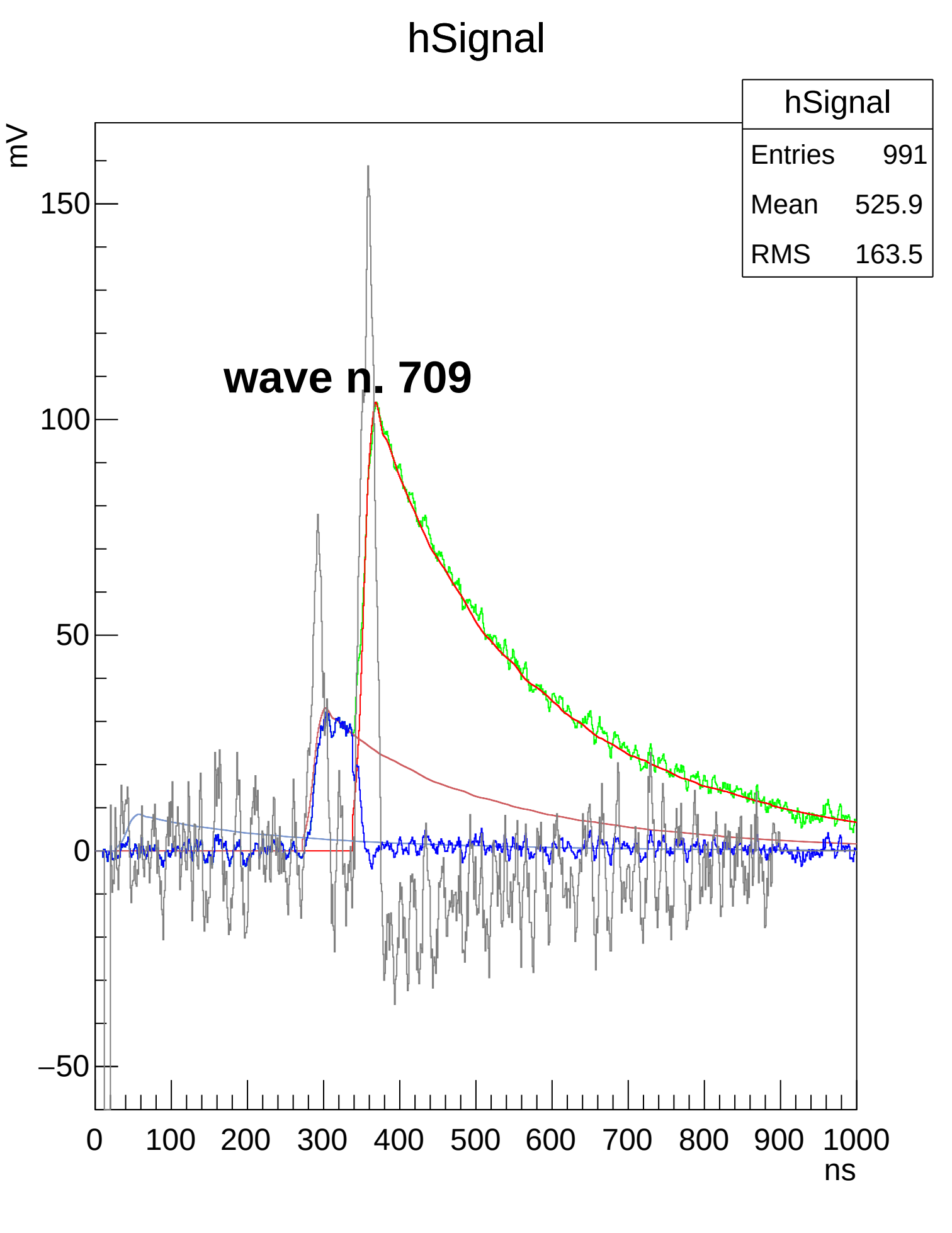

hSignal
hSignal
Entries 991
Mean 565.4
RMS 156.1
wave n. 704
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

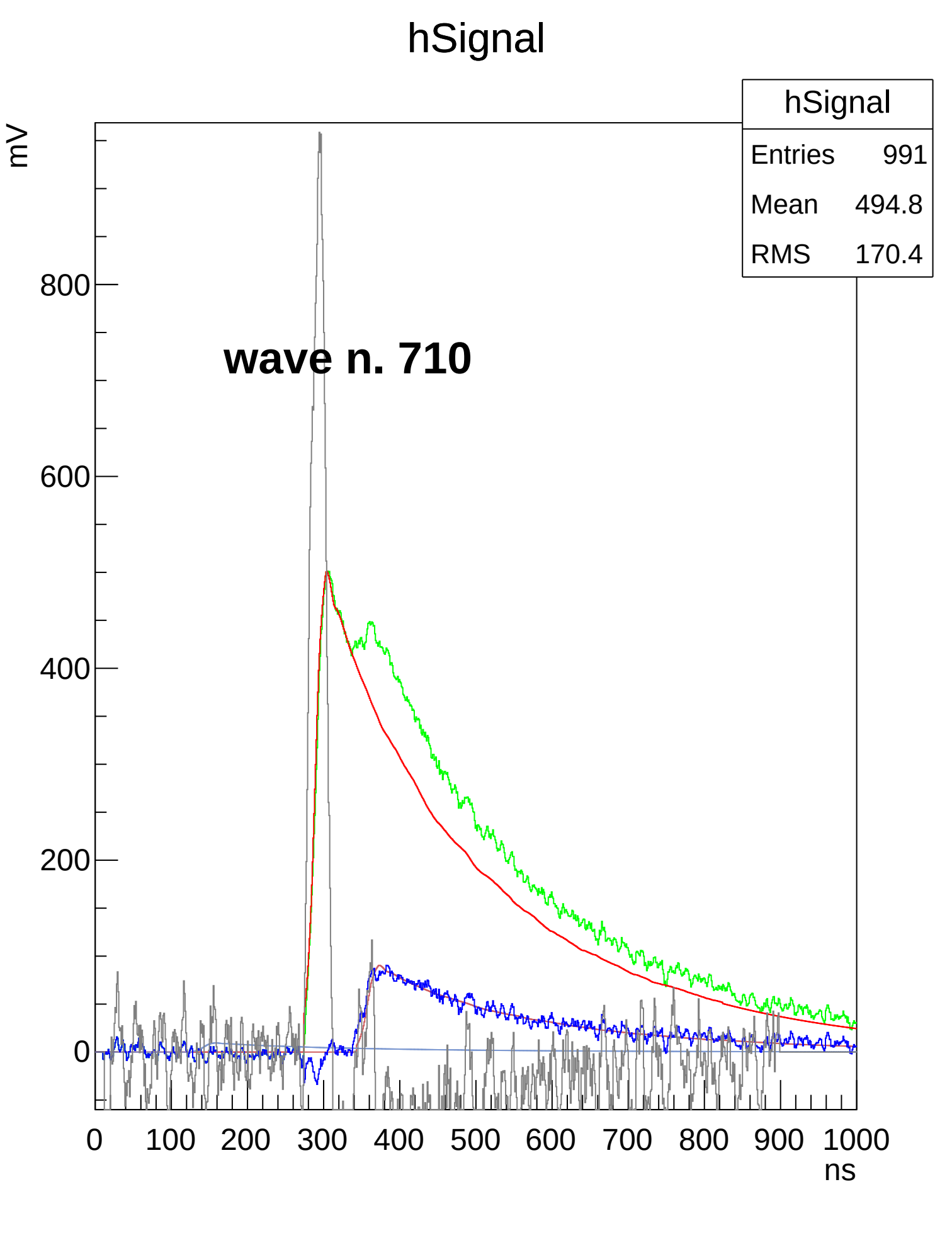

hSignal
hSignal
Entries 991
Mean 578
RMS 164.6
wave n. 705
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

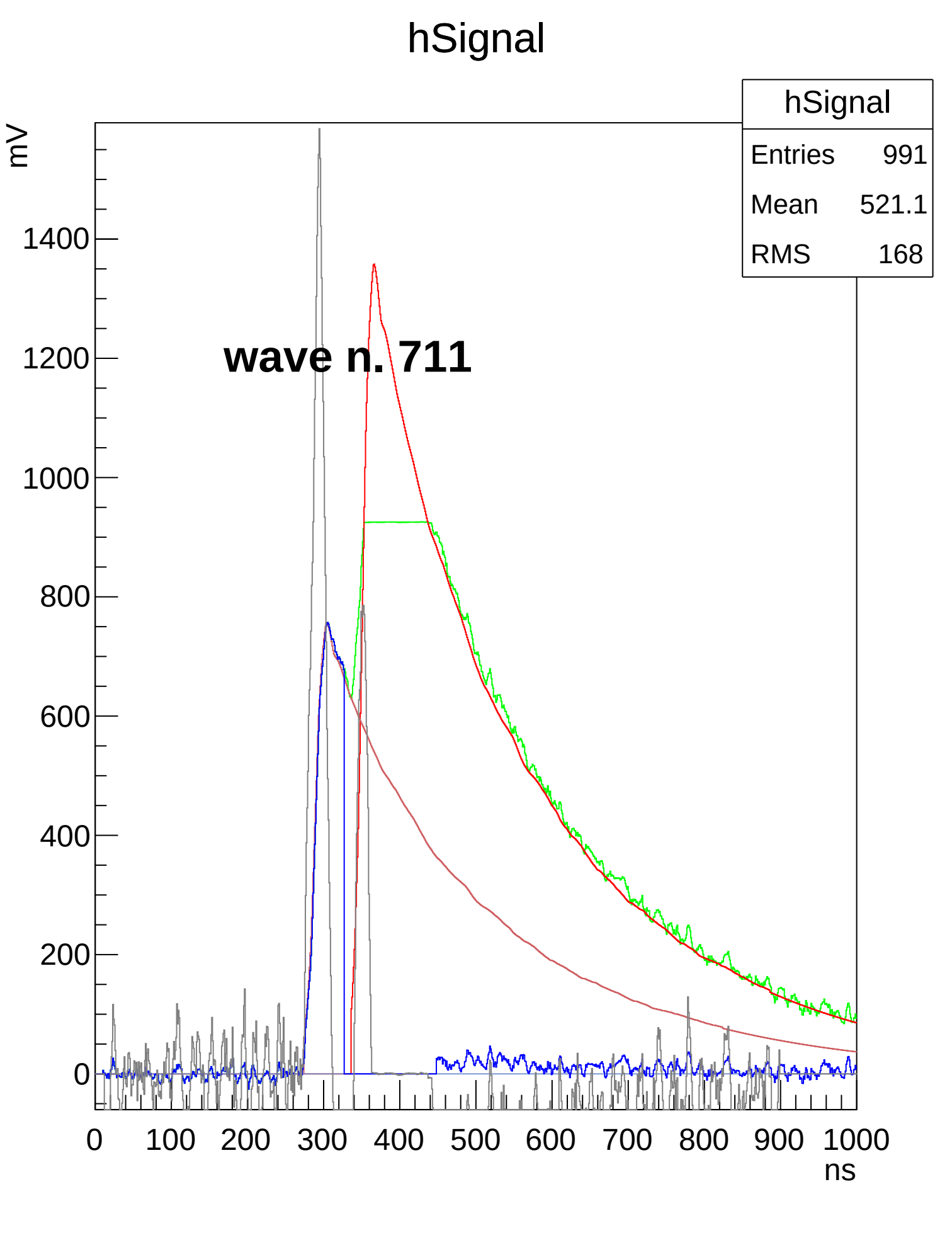

hSignal
hSignal
Entries 991
Mean 510.8
RMS 174.4
wave n. 706
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

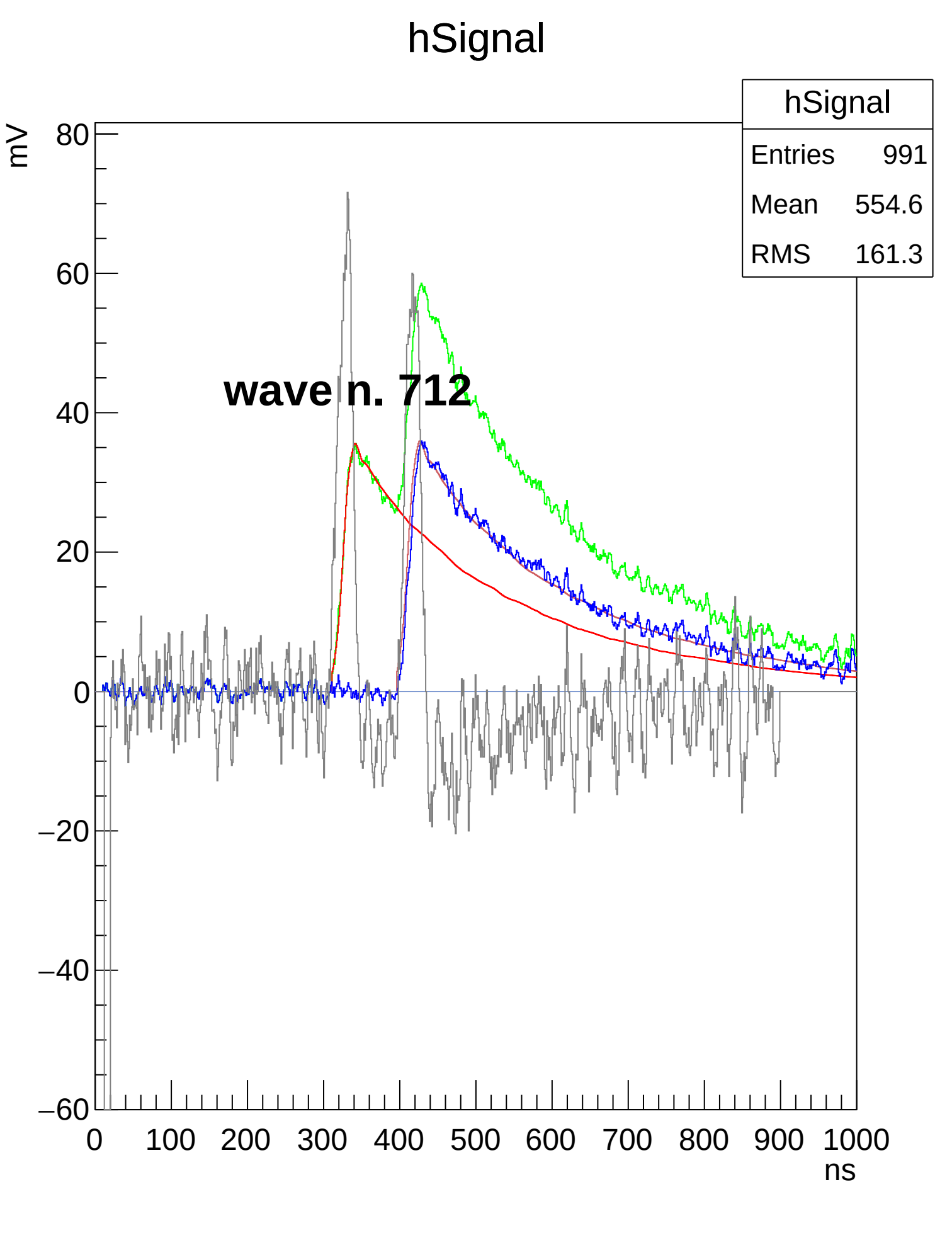

hSignal
hSignal
Entries 991
Mean 557
RMS 166.8
wave n. 707
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

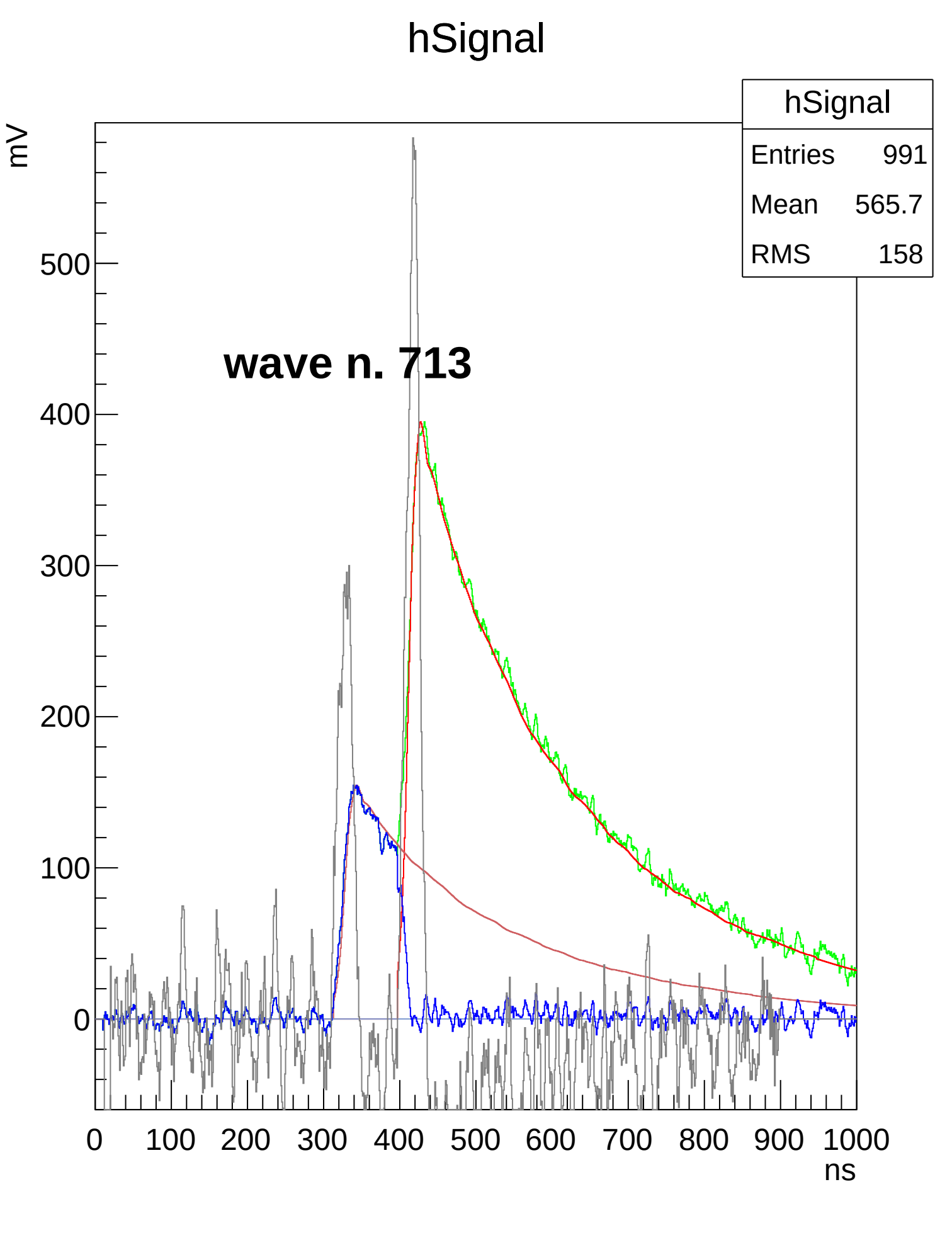

hSignal
hSignal
Entries 991
Mean 467.1
RMS 180
wave n. 708
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

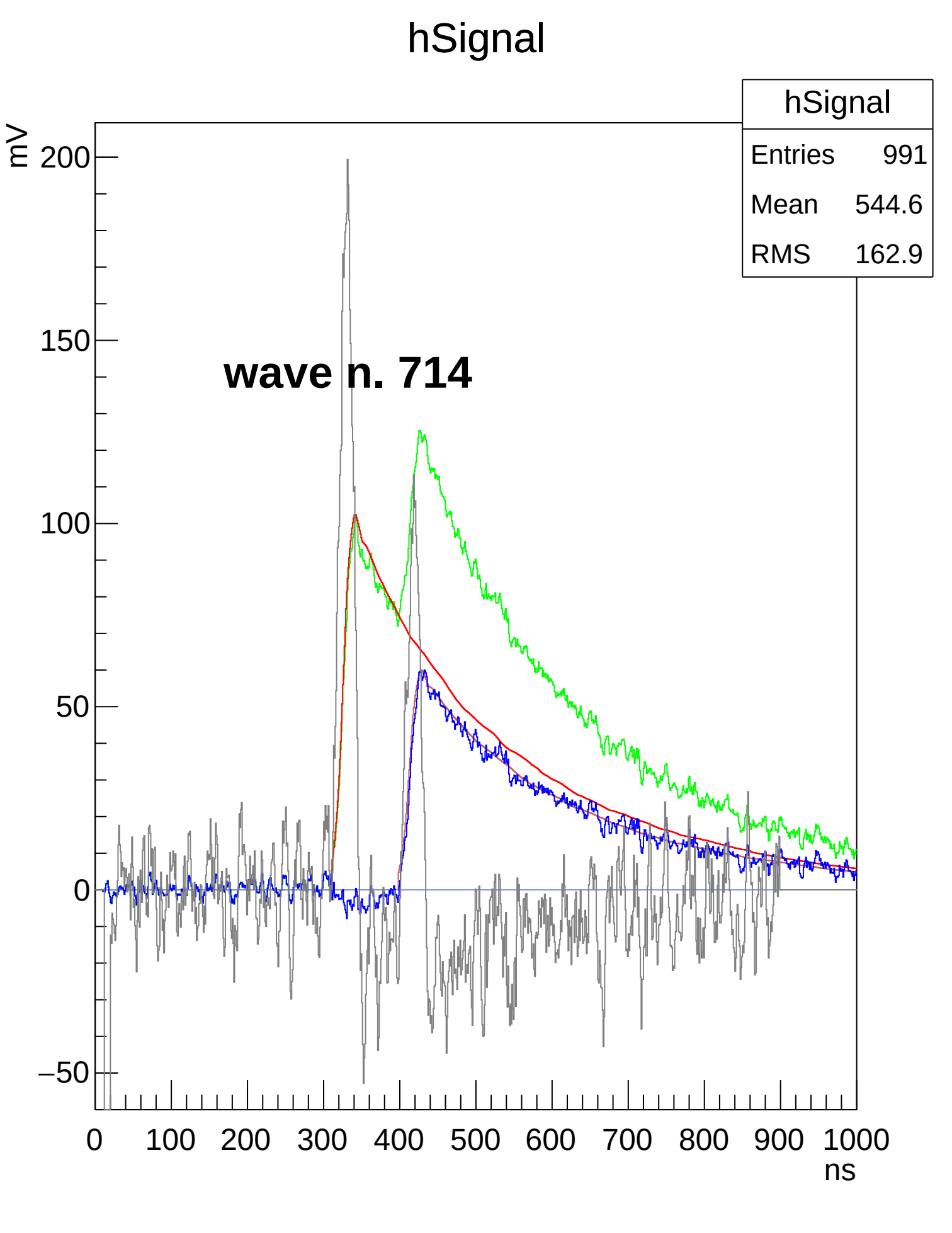

hSignal
hSignal
Entries 991
Mean 525.9
RMS 163.5
wave n. 709
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

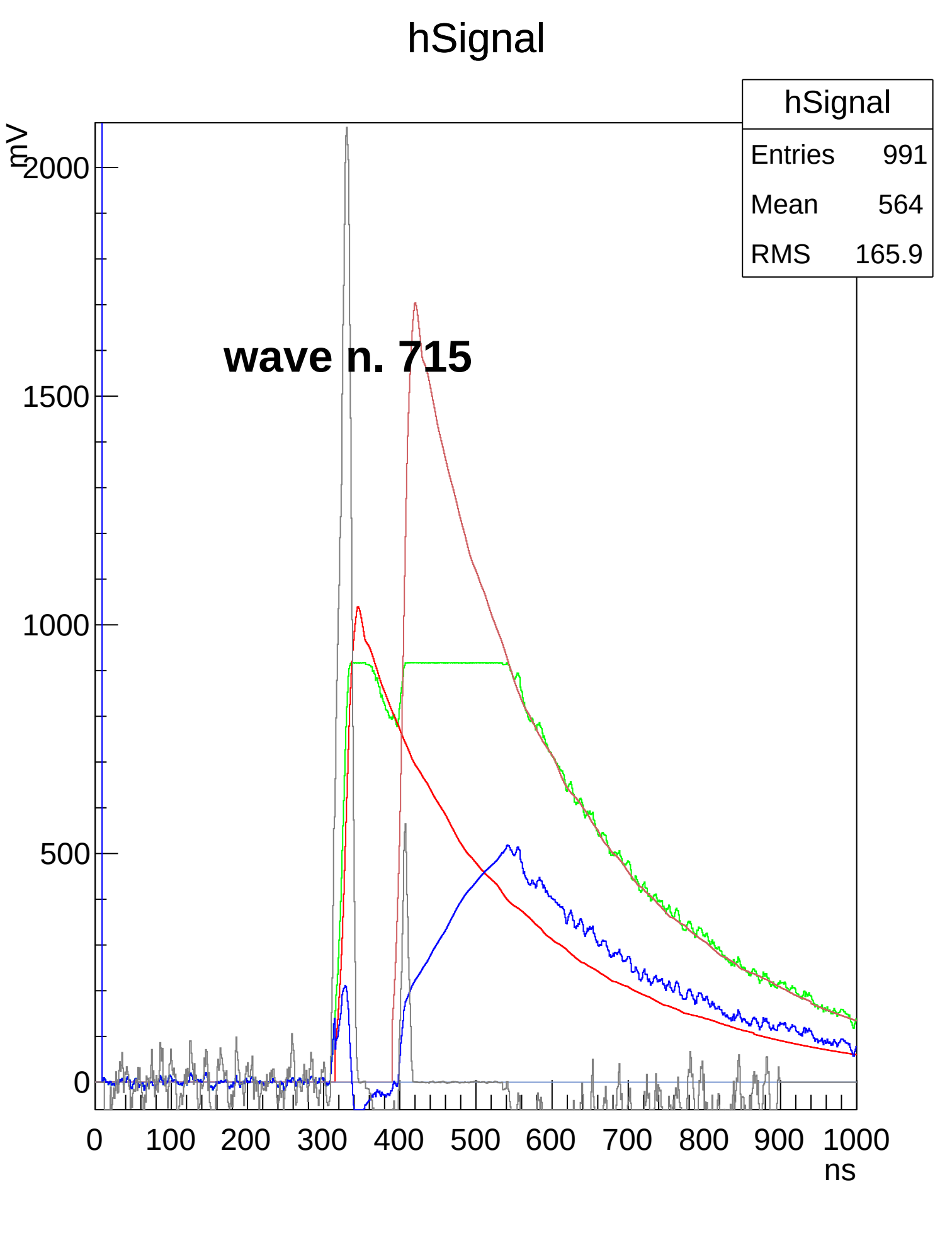

hSignal
hSignal
Entries 991
Mean 494.8
RMS 170.4
wave n. 710
mV
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

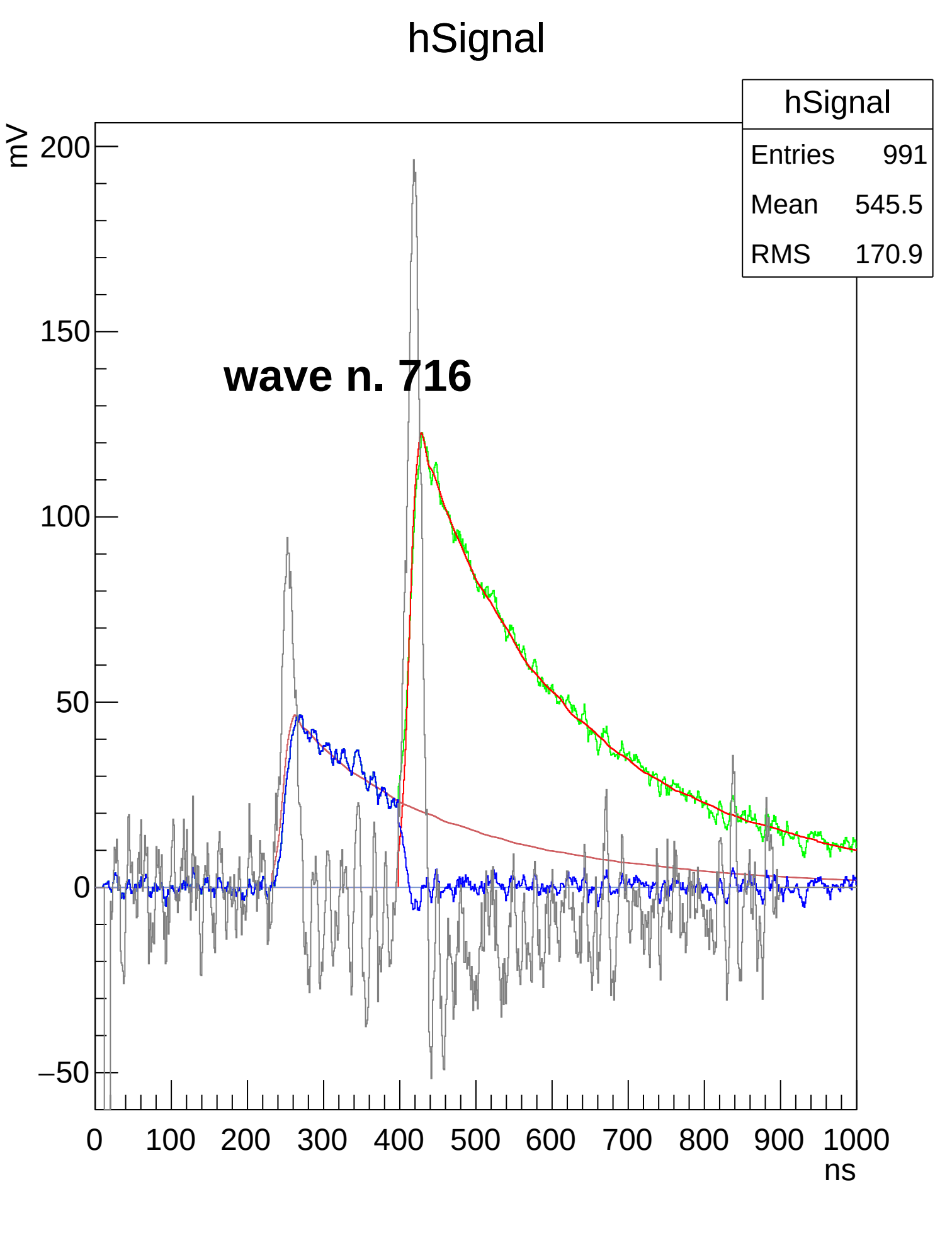

hSignal
hSignal
Entries 991
Mean 521.1
RMS 168
wave n. 711
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

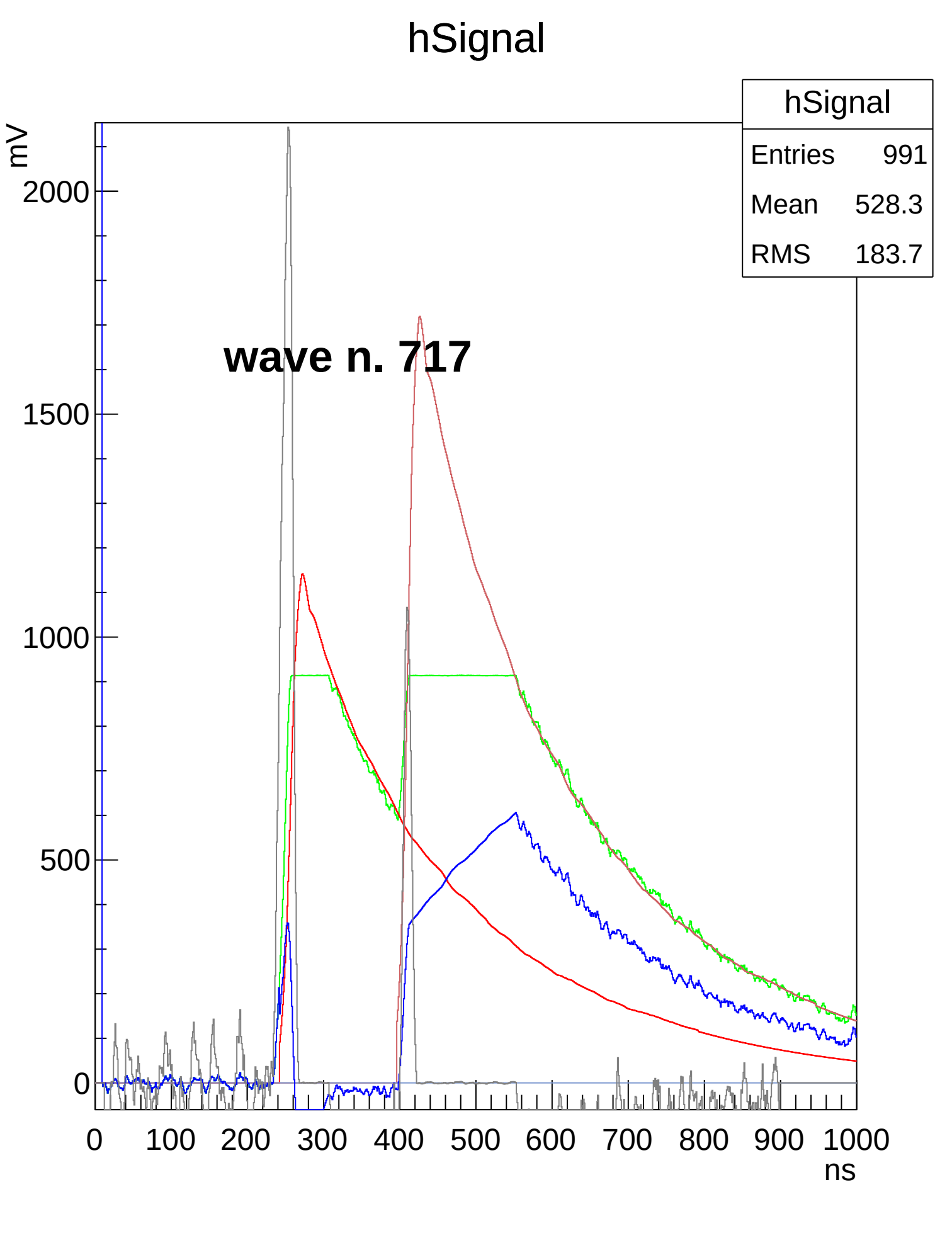

hSignal
hSignal
Entries 991
Mean 554.6
RMS 161.3
wave n. 712
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

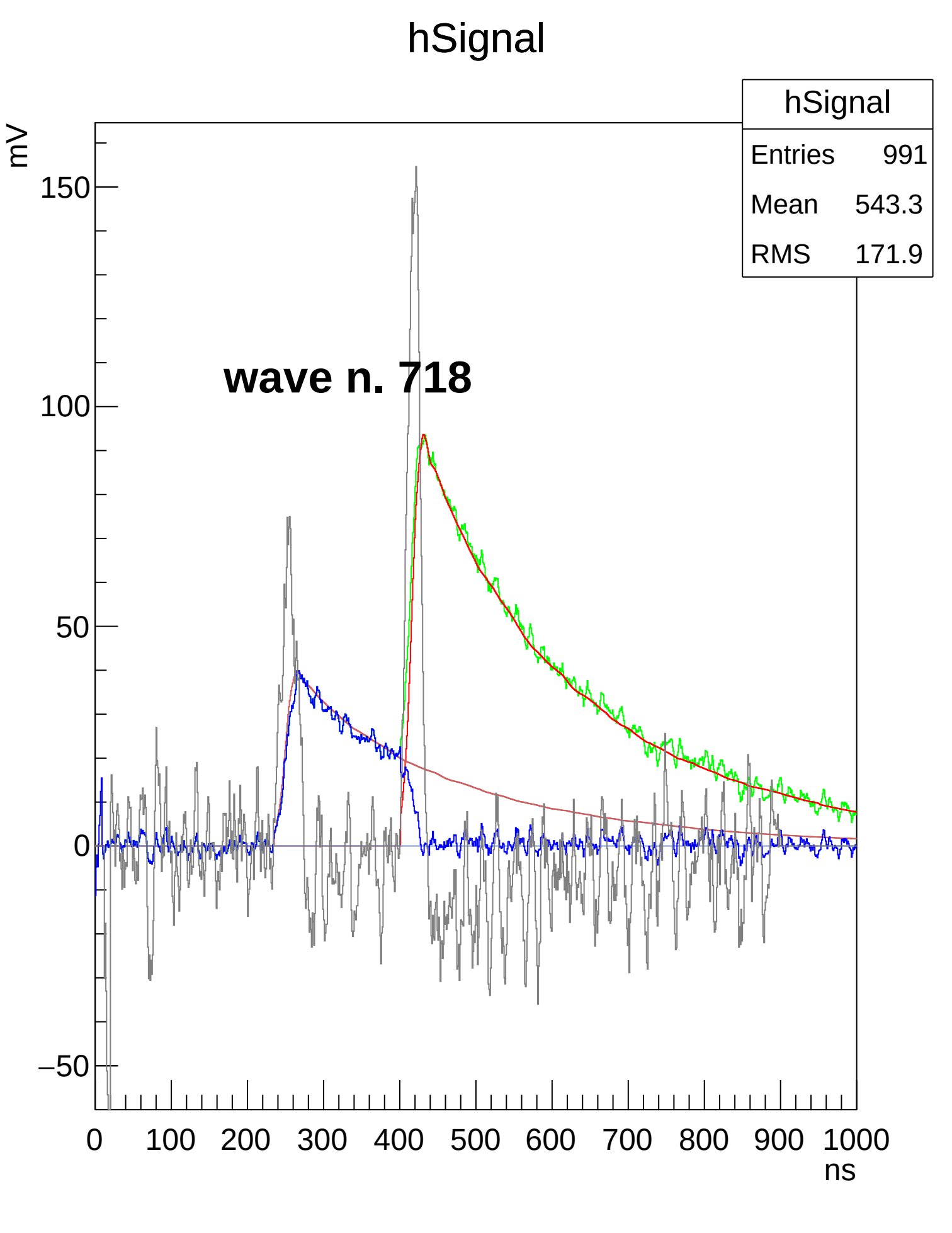

hSignal
hSignal
Entries 991
Mean 565.7
RMS 158
wave n. 713
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

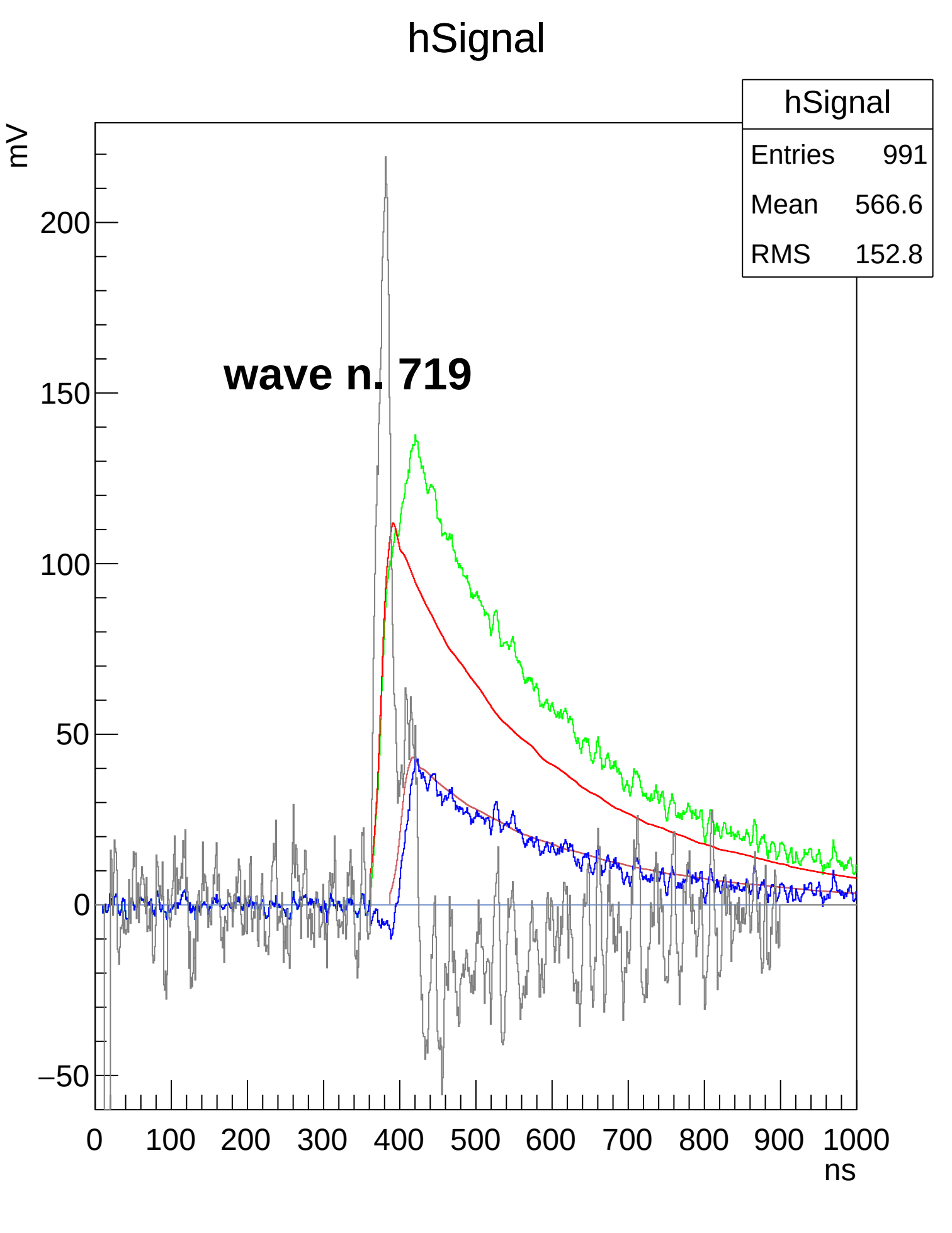

hSignal
hSignal
Entries 991
Mean 544.6
RMS 162.9
wave n. 714
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

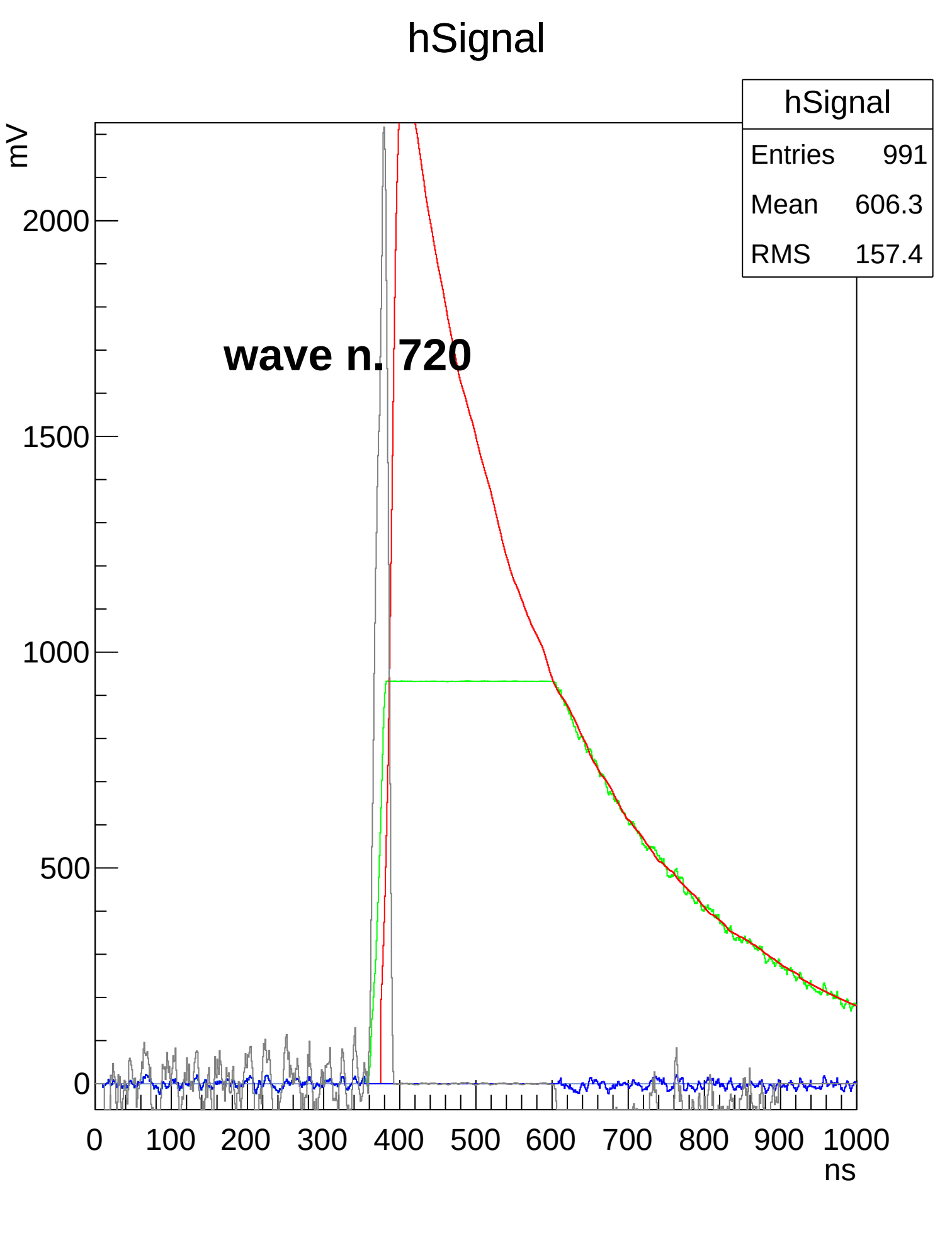

hSignal
hSignal
Entries 991
Mean 564
RMS 165.9
wave n. 715
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

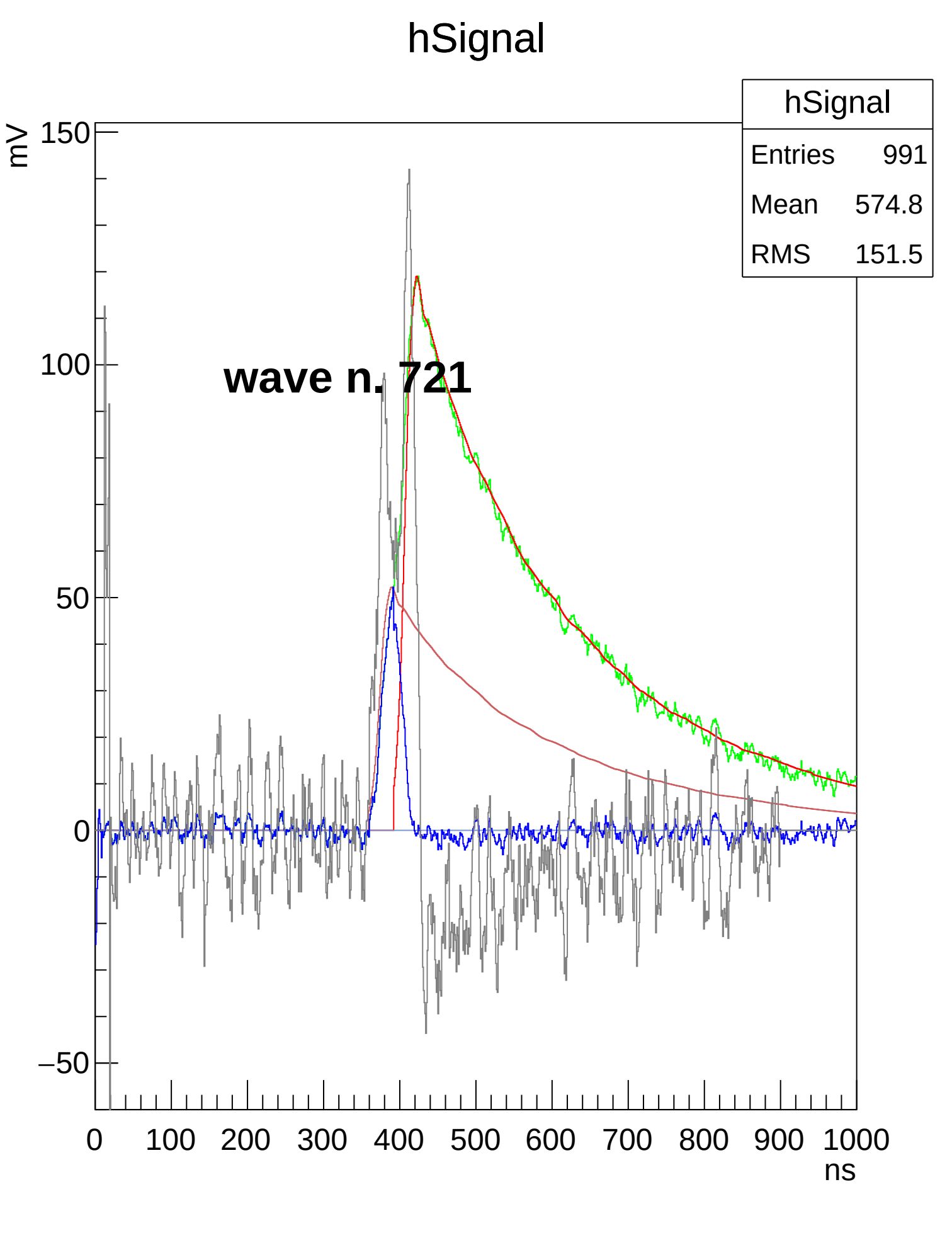

hSignal
hSignal
Entries 991
Mean 545.5
RMS 170.9
wave n. 716
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

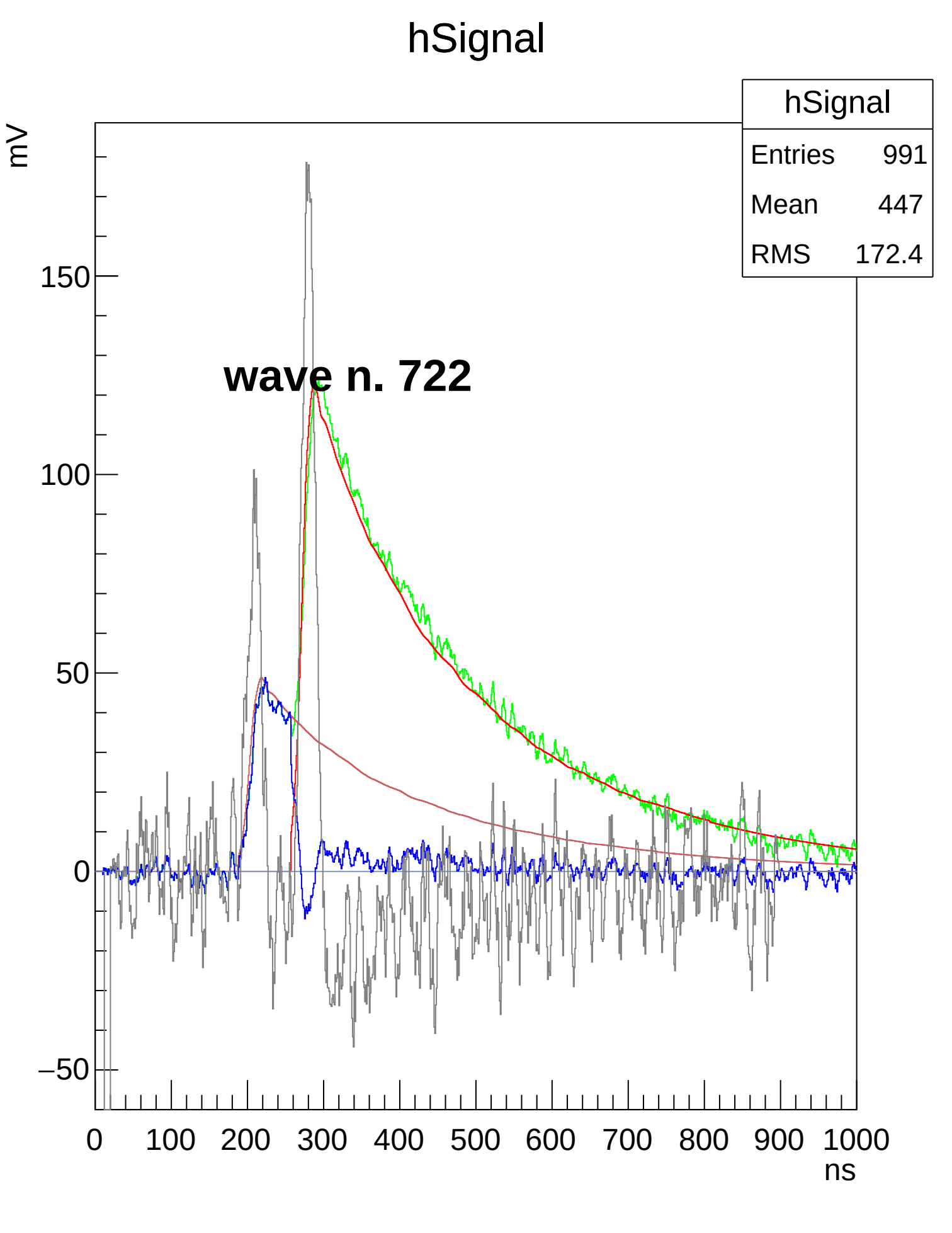

hSignal
hSignal
Entries 991
Mean 528.3
RMS 183.7
wave n. 717
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

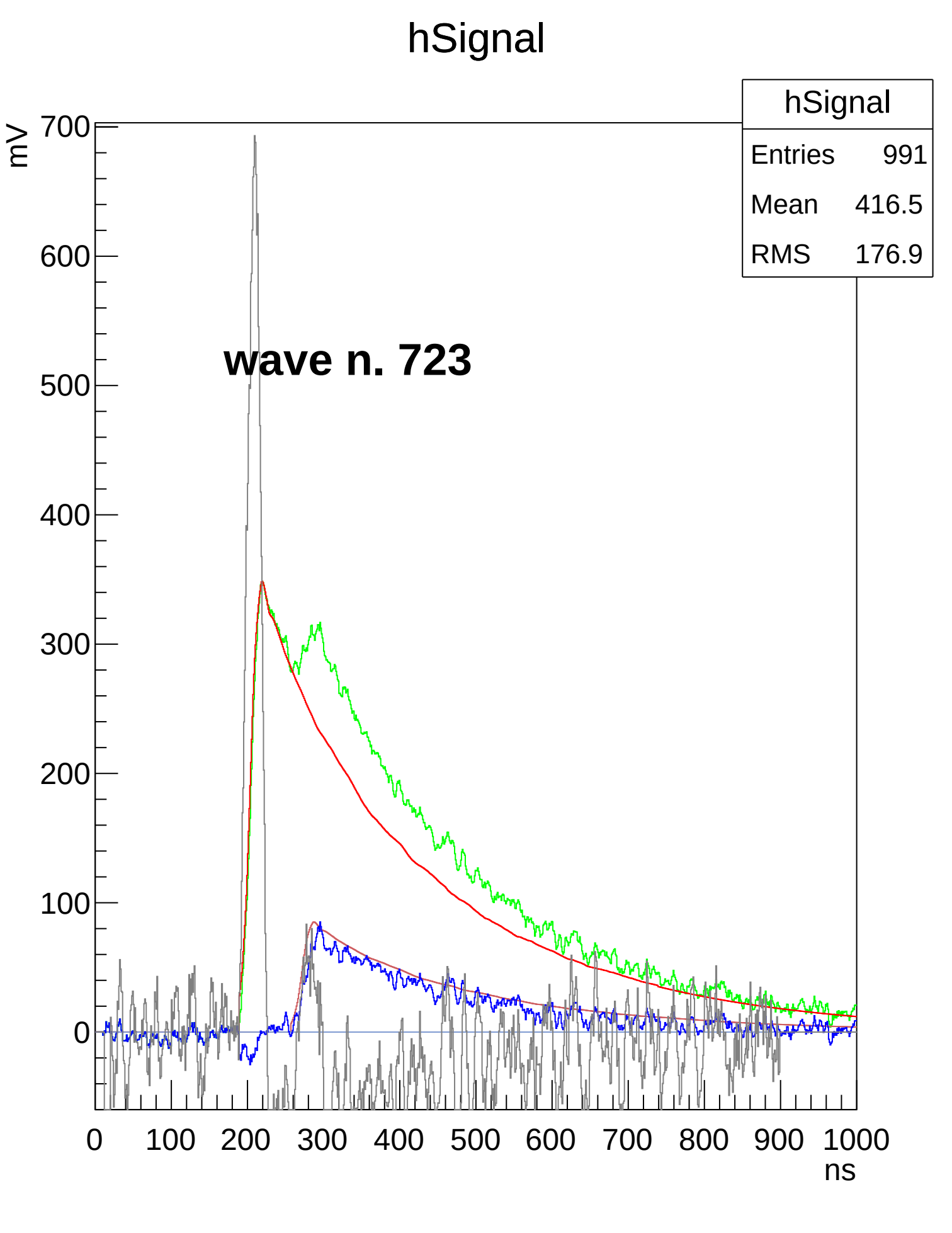

hSignal
hSignal
Entries 991
Mean 543.3
RMS 171.9
wave n. 718
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

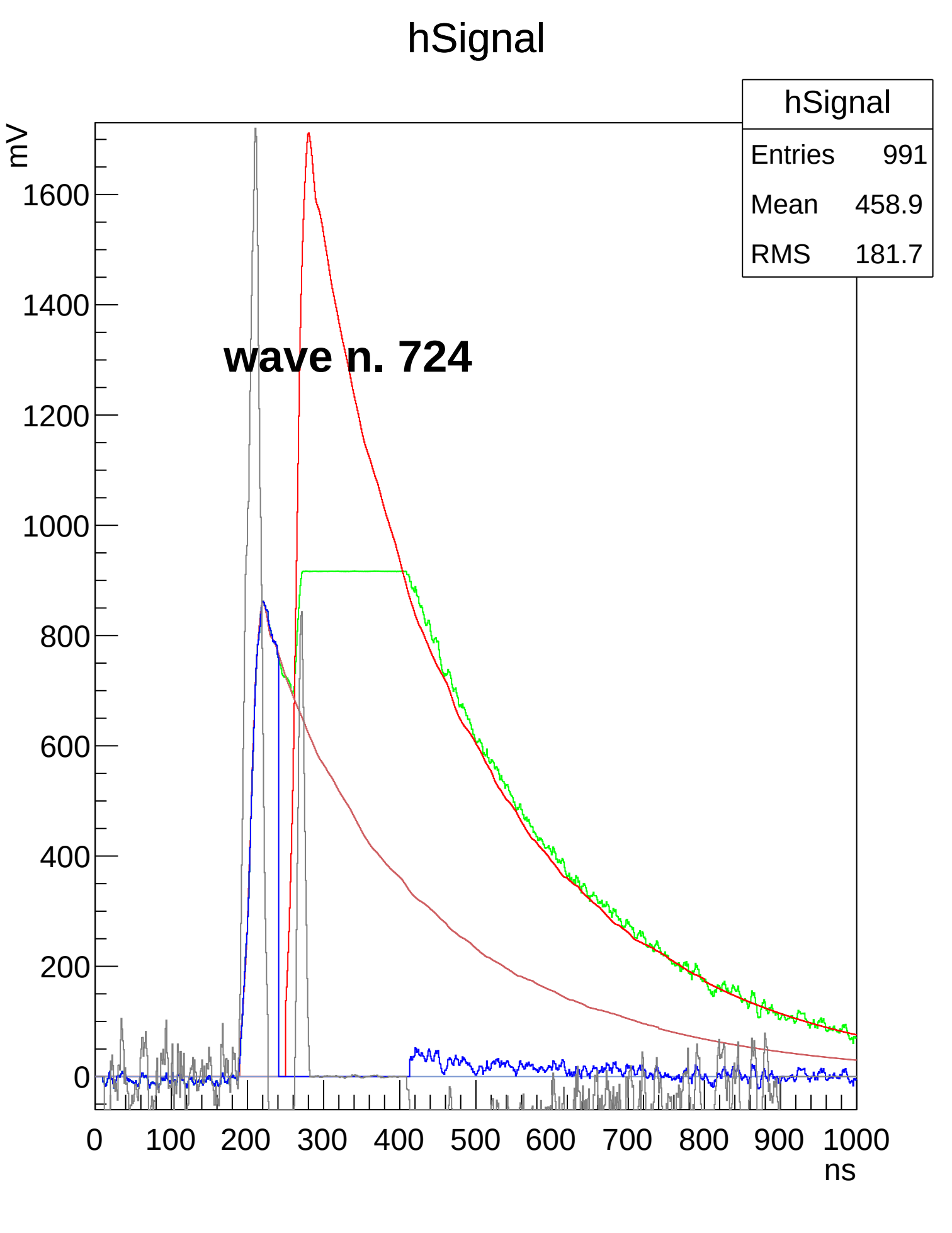

hSignal
hSignal
Entries 991
Mean 566.6
RMS 152.8
wave n. 719
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

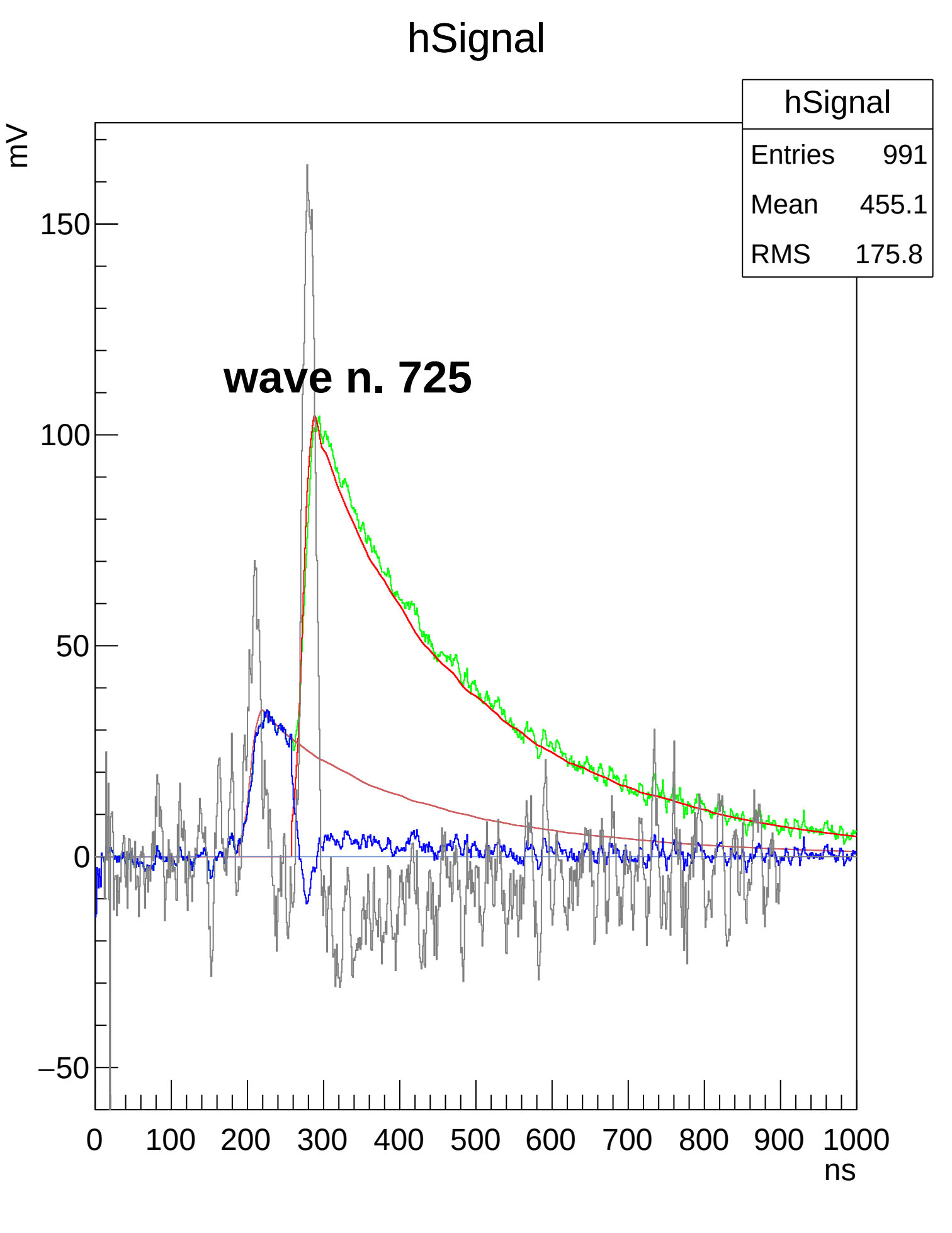

hSignal
hSignal
Entries 991
Mean 606.3
RMS 157.4
wave n. 720
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

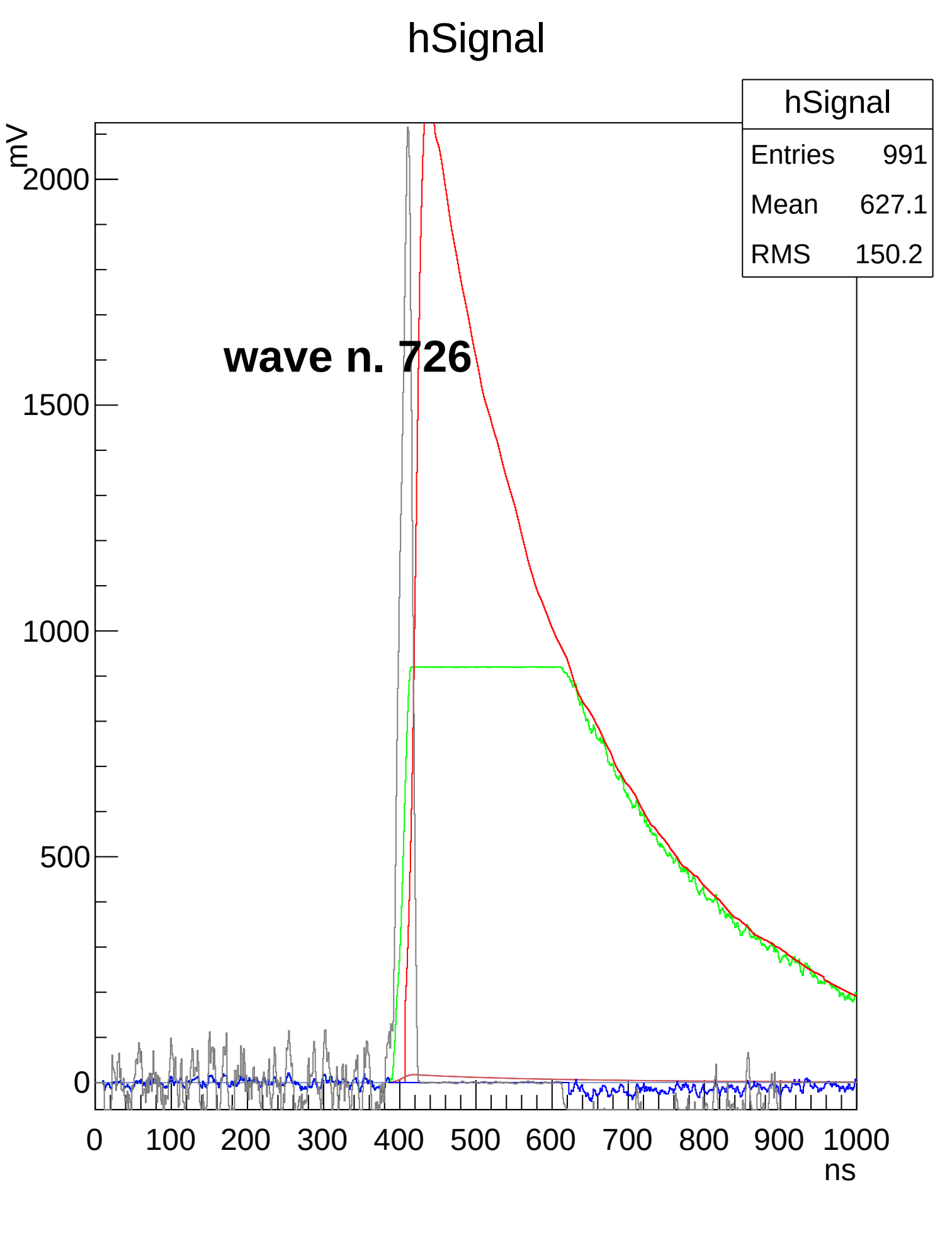

hSignal
hSignal
Entries 991
Mean 574.8
RMS 151.5
wave n. 721
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

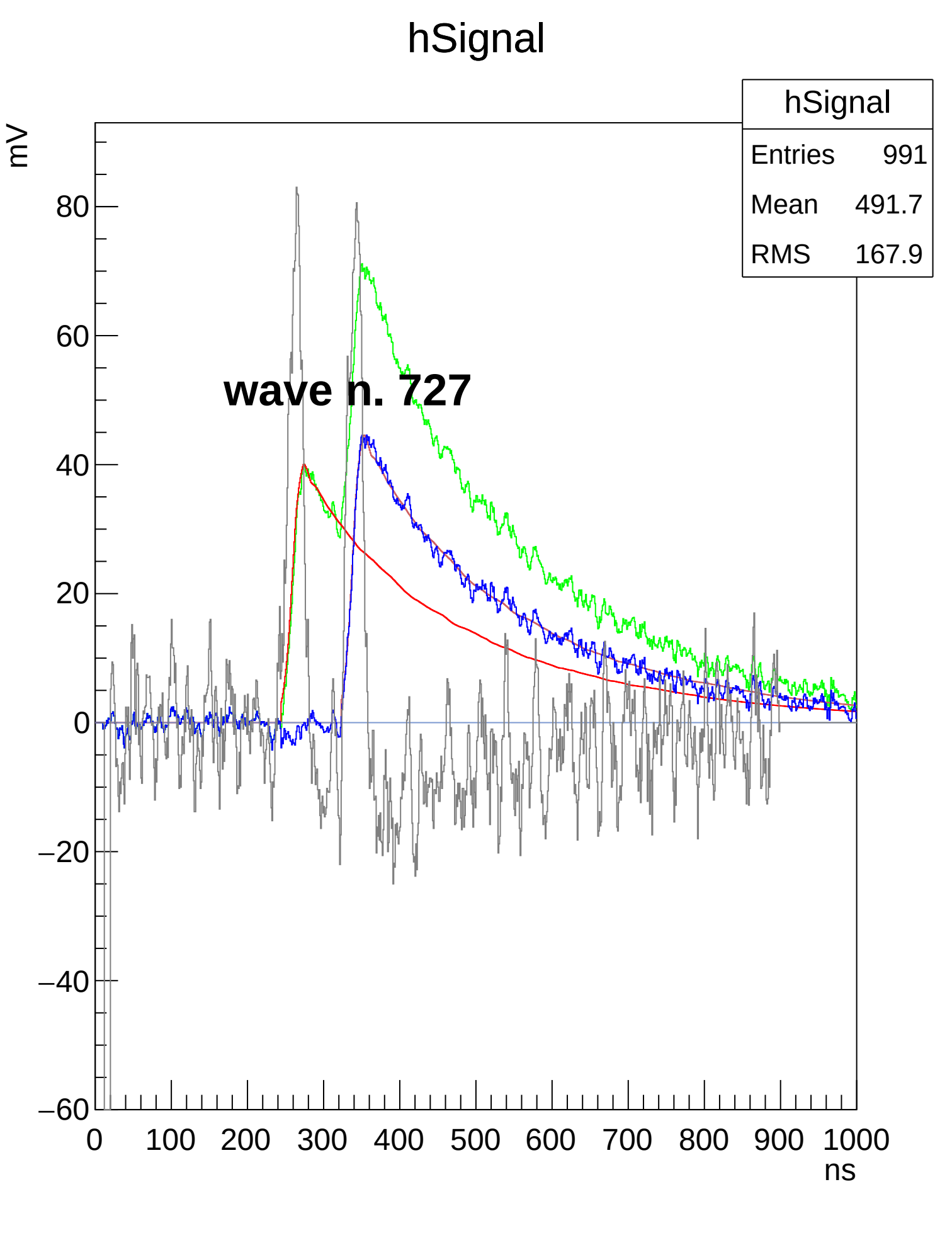

hSignal
hSignal
Entries 991
Mean 447
RMS 172.4
wave n. 722
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

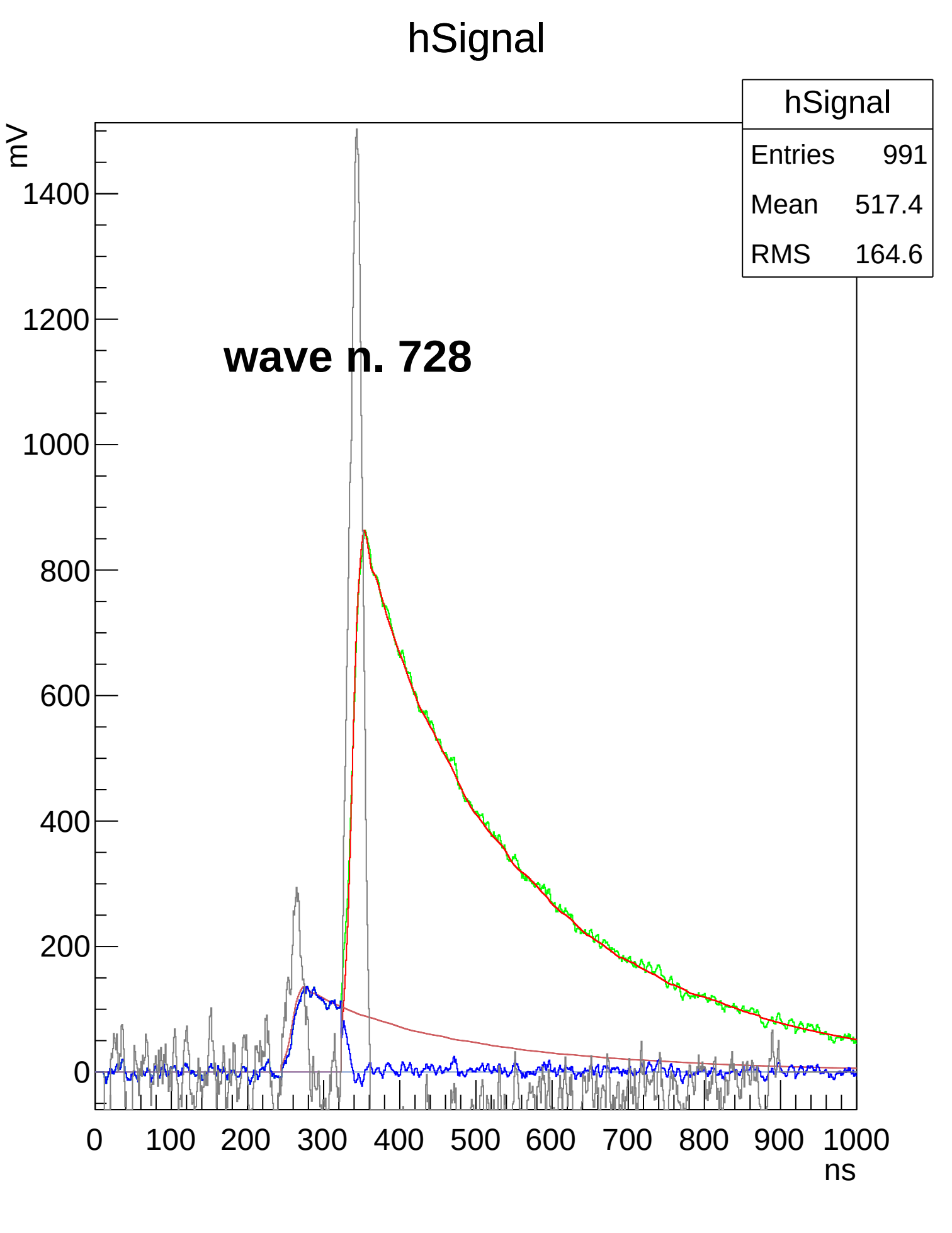

hSignal
hSignal
Entries 991
Mean 416.5
RMS 176.9
wave n. 723
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

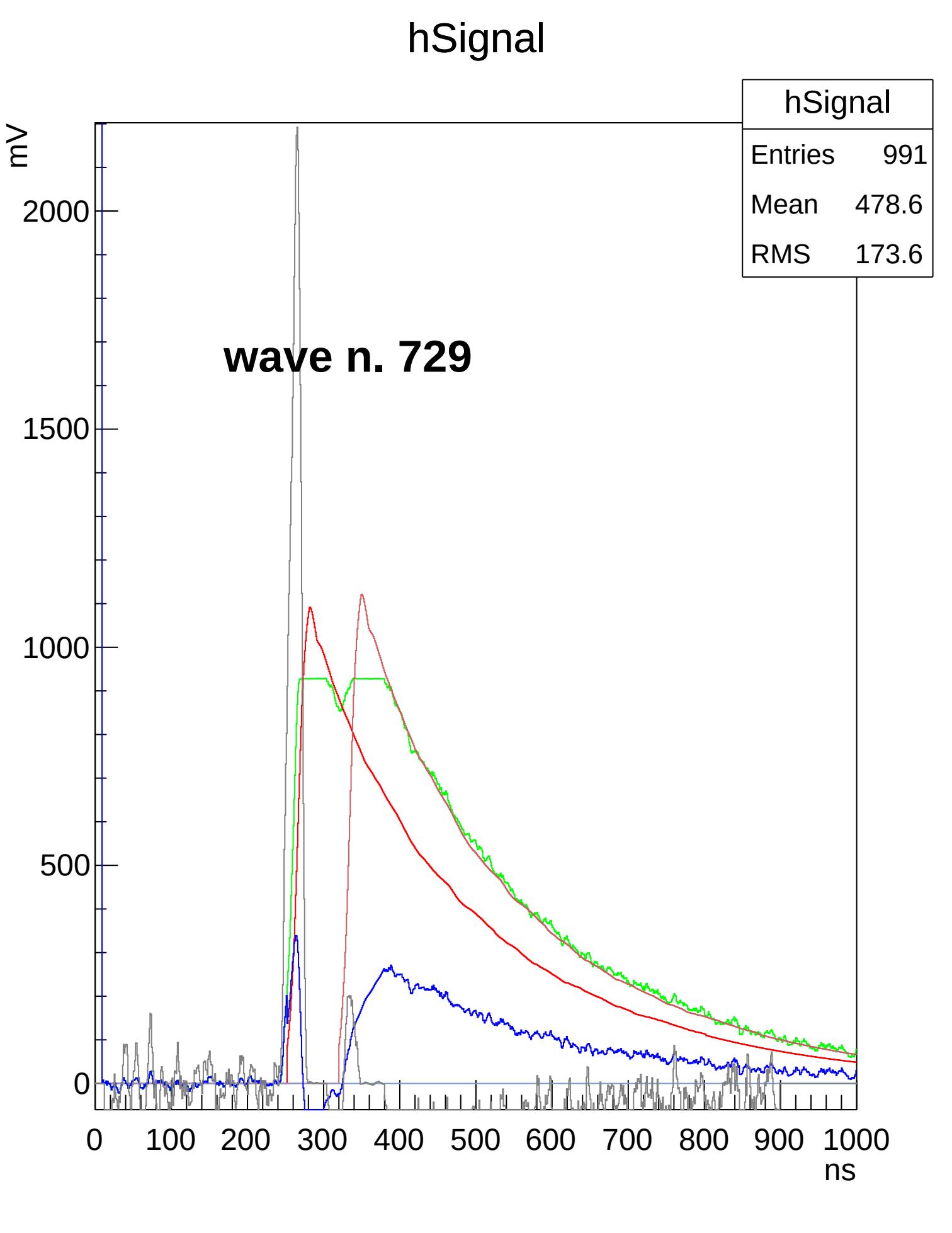

hSignal
hSignal
Entries 991
Mean 458.9
RMS 181.7
wave n. 724
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

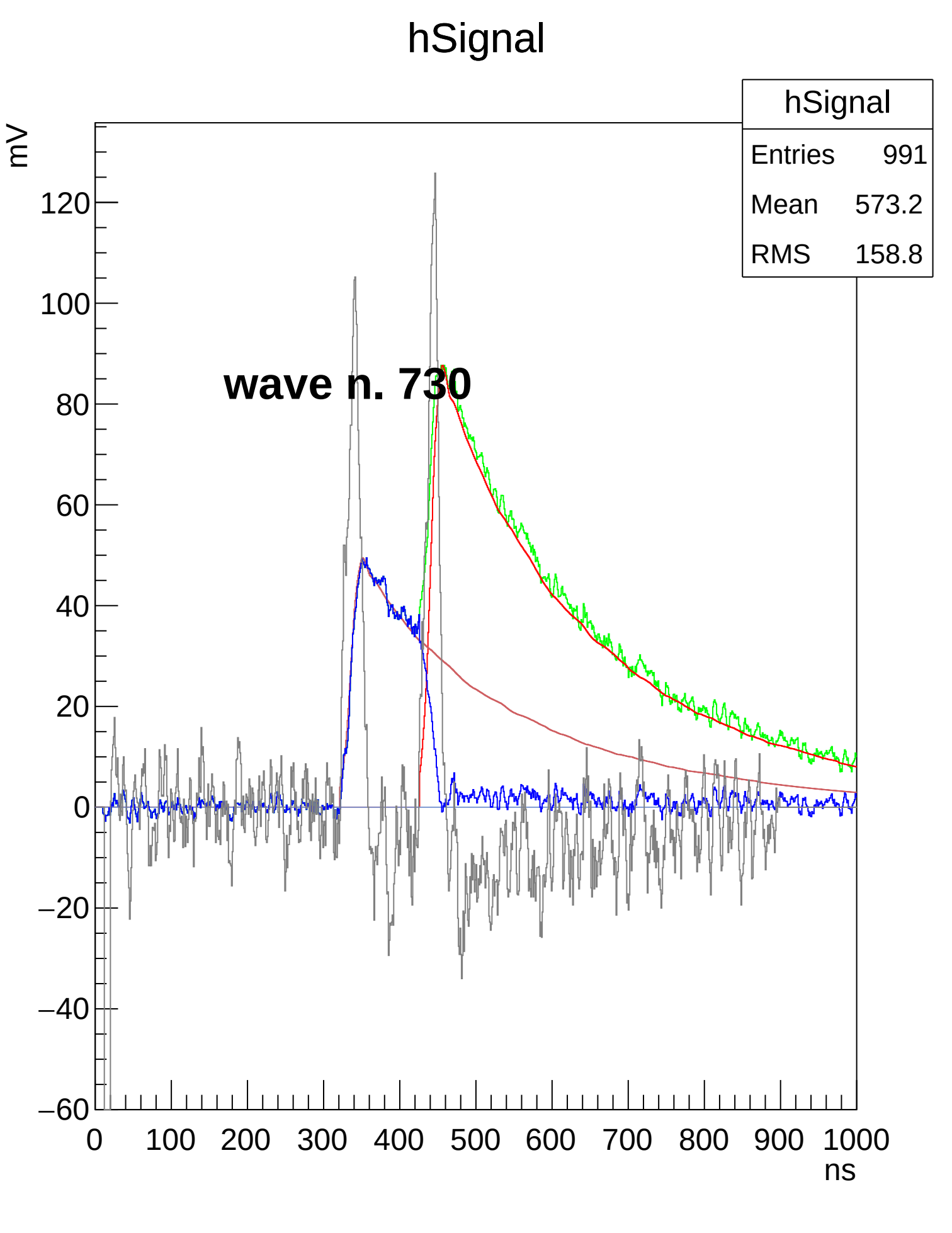

hSignal
hSignal
Entries 991
Mean 455.1
RMS 175.8
wave n. 725
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

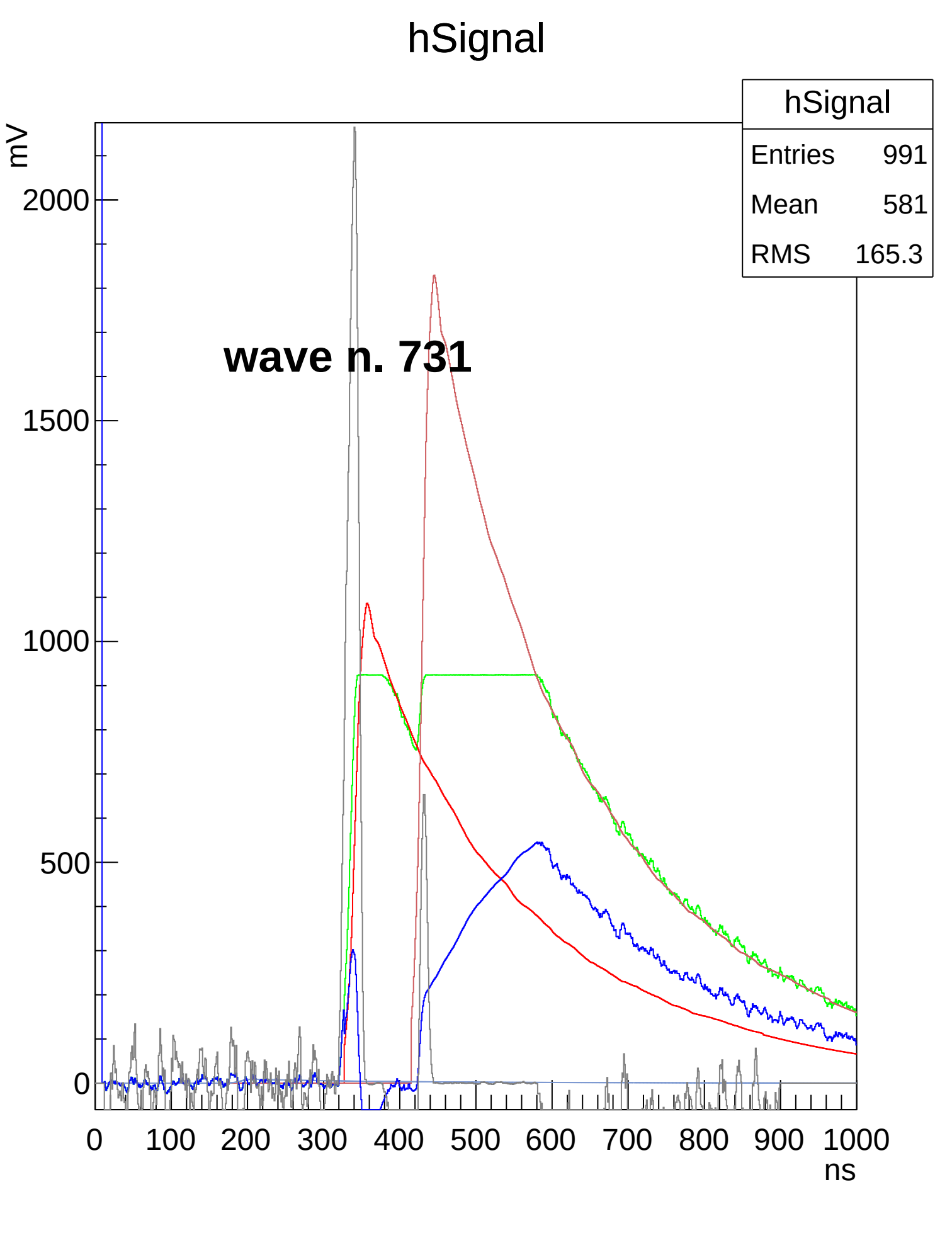

hSignal
hSignal
Entries 991
Mean 627.1
RMS 150.2
wave n. 726
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

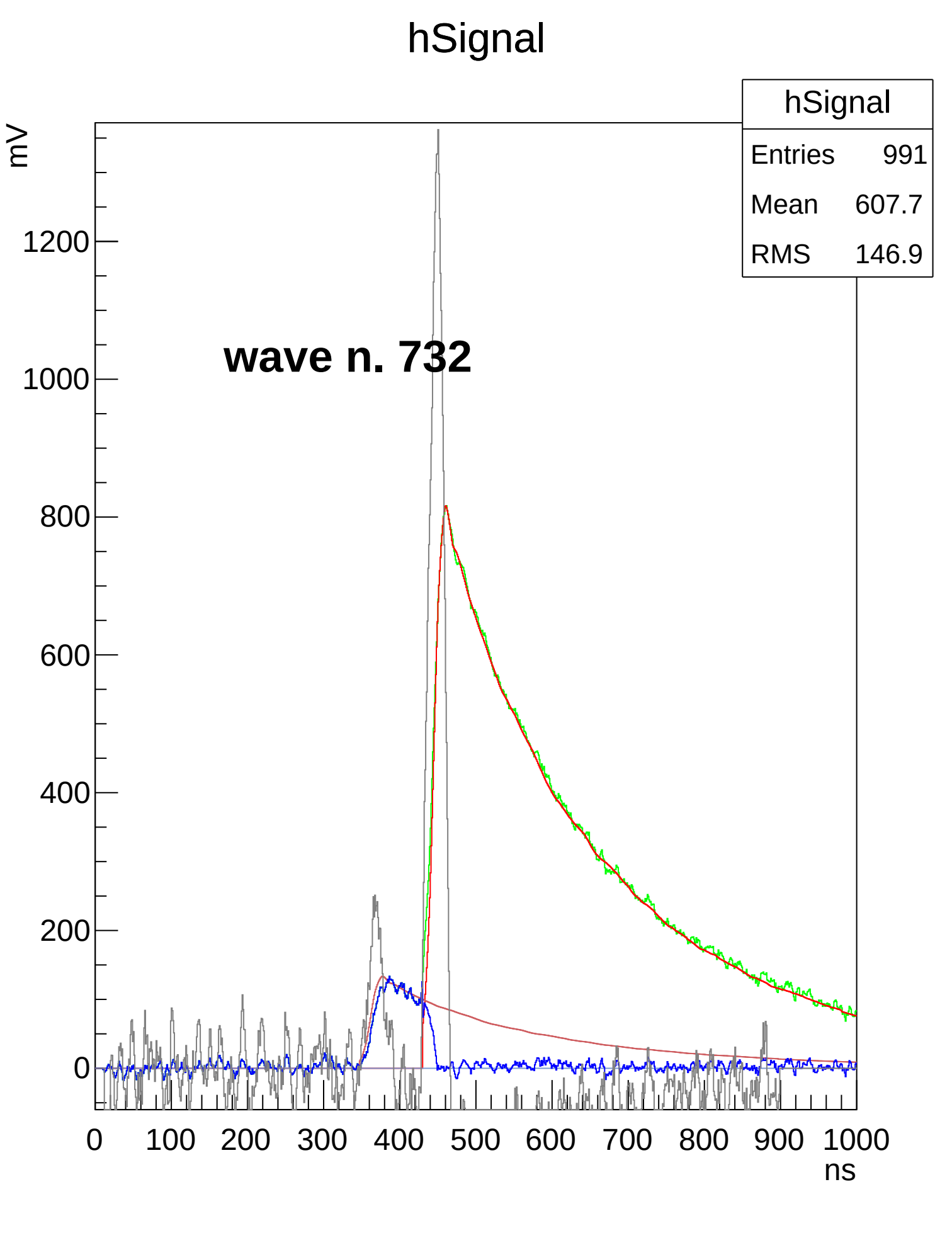

hSignal
hSignal
Entries 991
Mean 491.7
RMS 167.9
wave n. 727
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

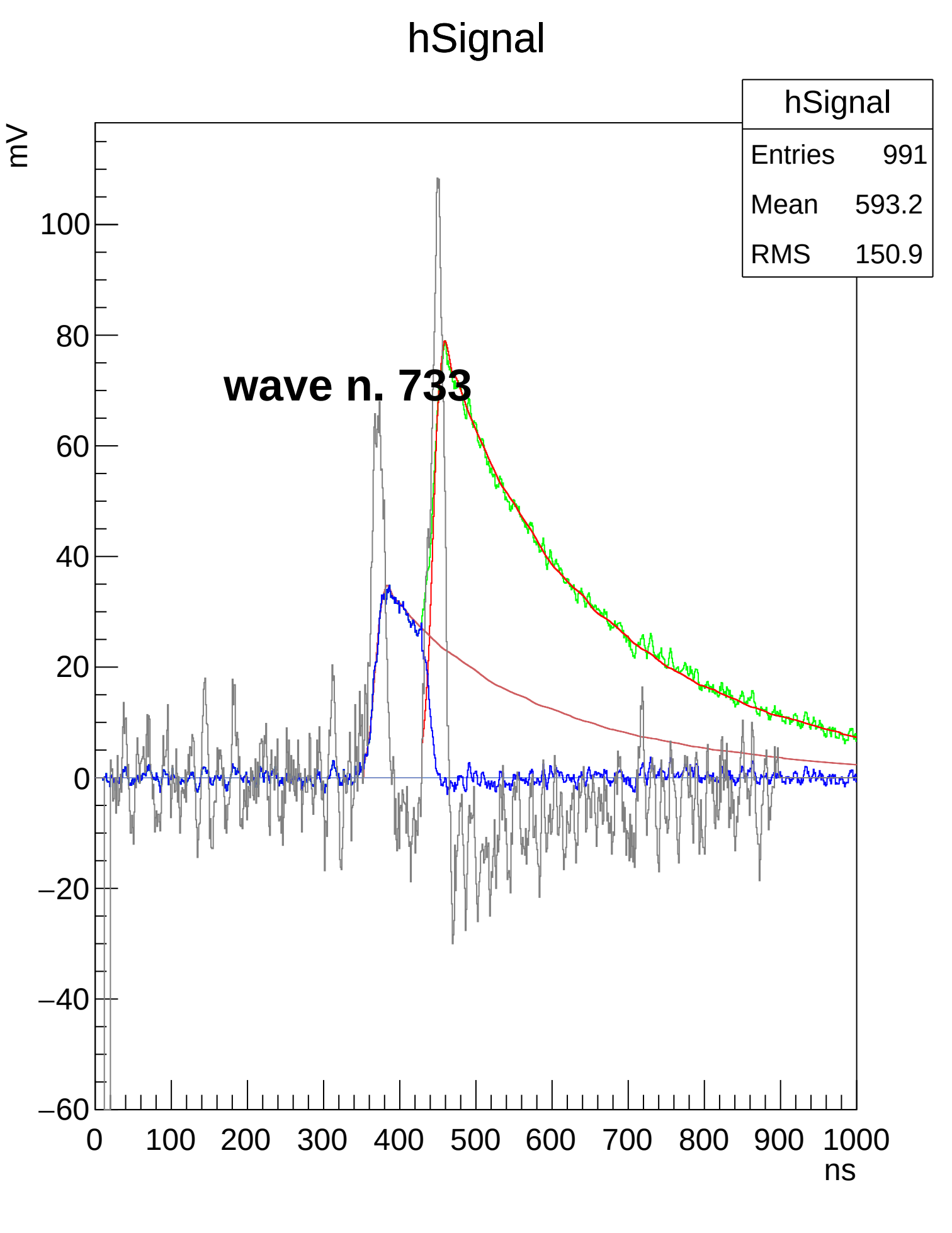

hSignal
hSignal
Entries 991
Mean 517.4
RMS 164.6
wave n. 728
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

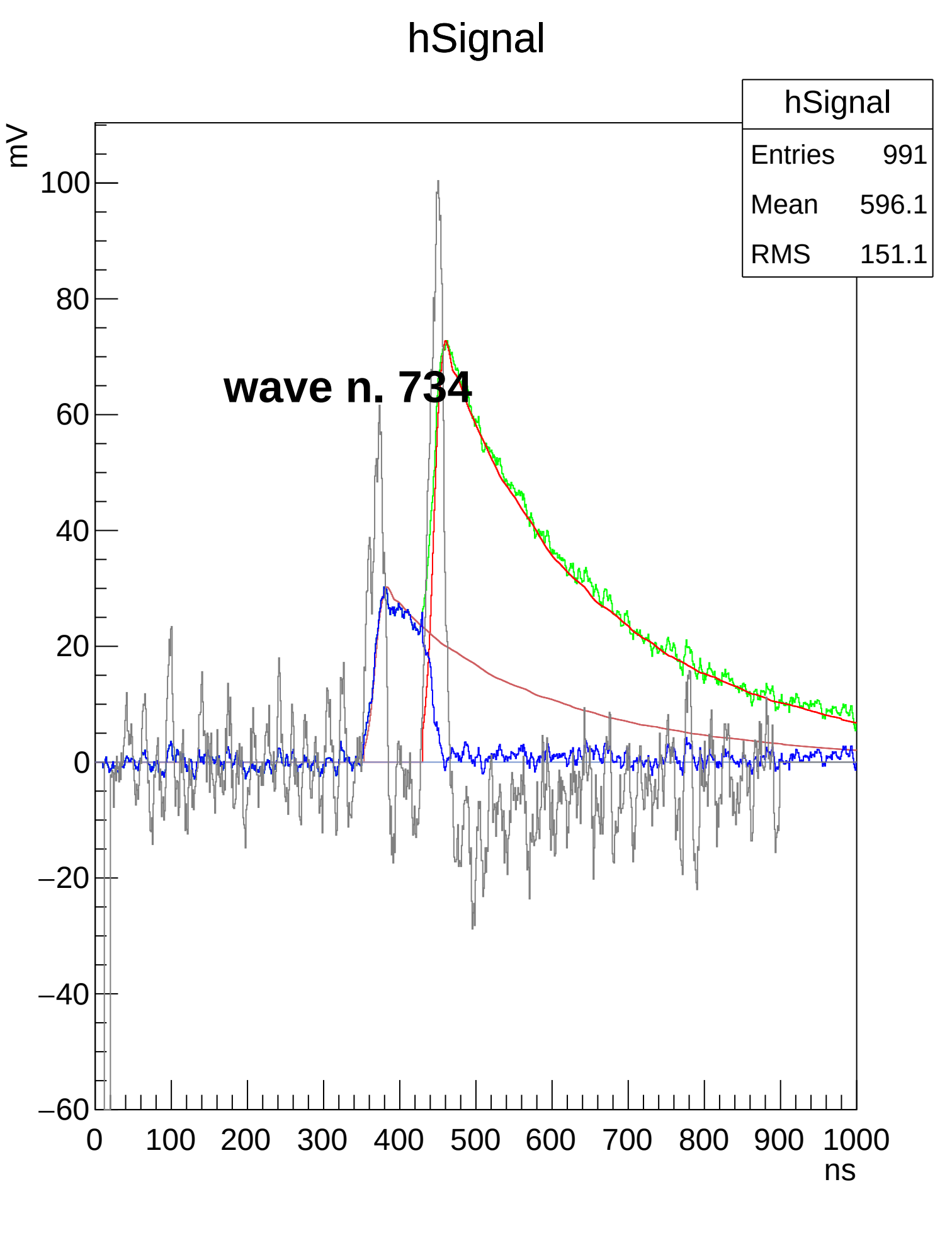

hSignal
hSignal
Entries 991
Mean 478.6
RMS 173.6
wave n. 729
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

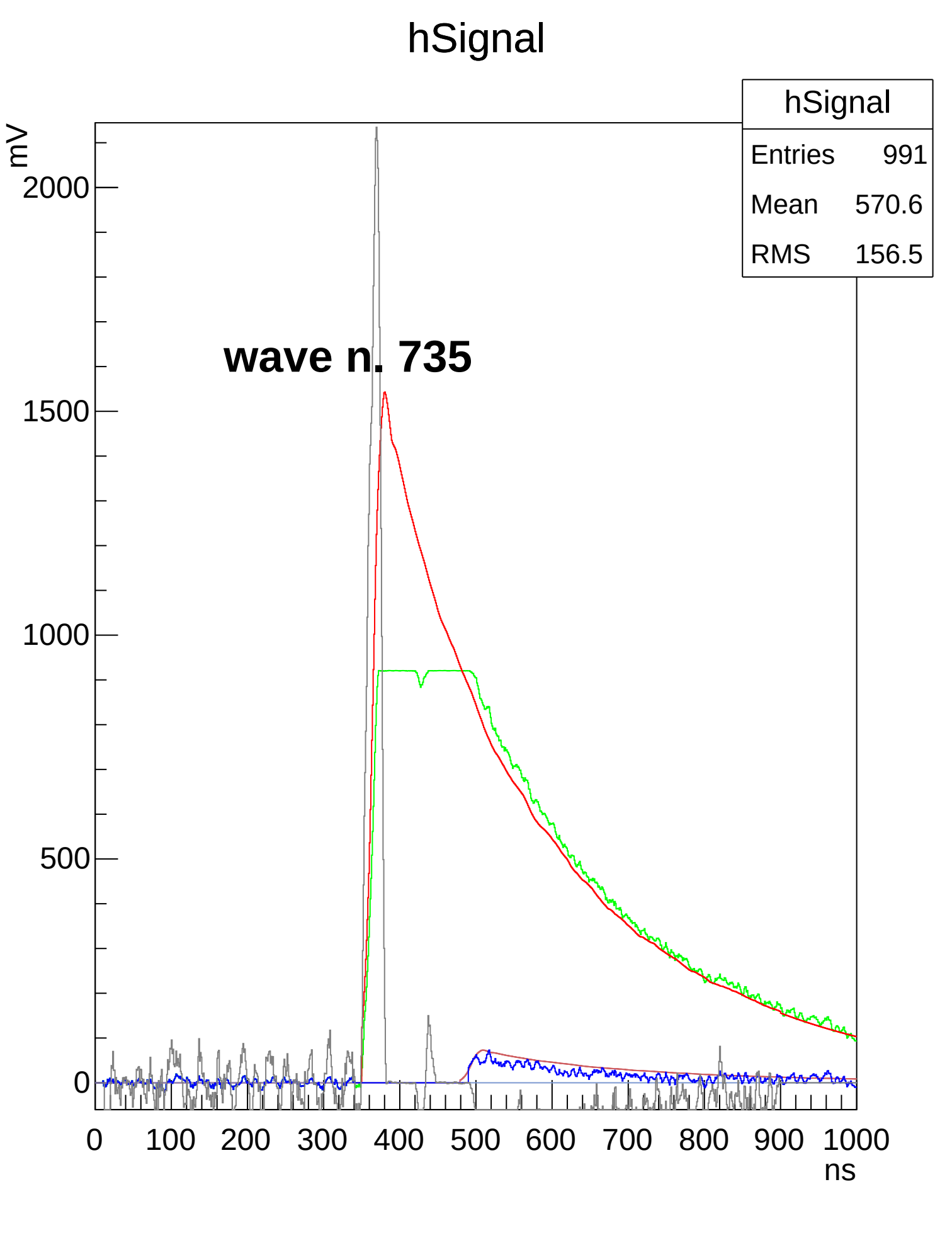

hSignal
hSignal
Entries 991
Mean 573.2
RMS 158.8
wave n. 730
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

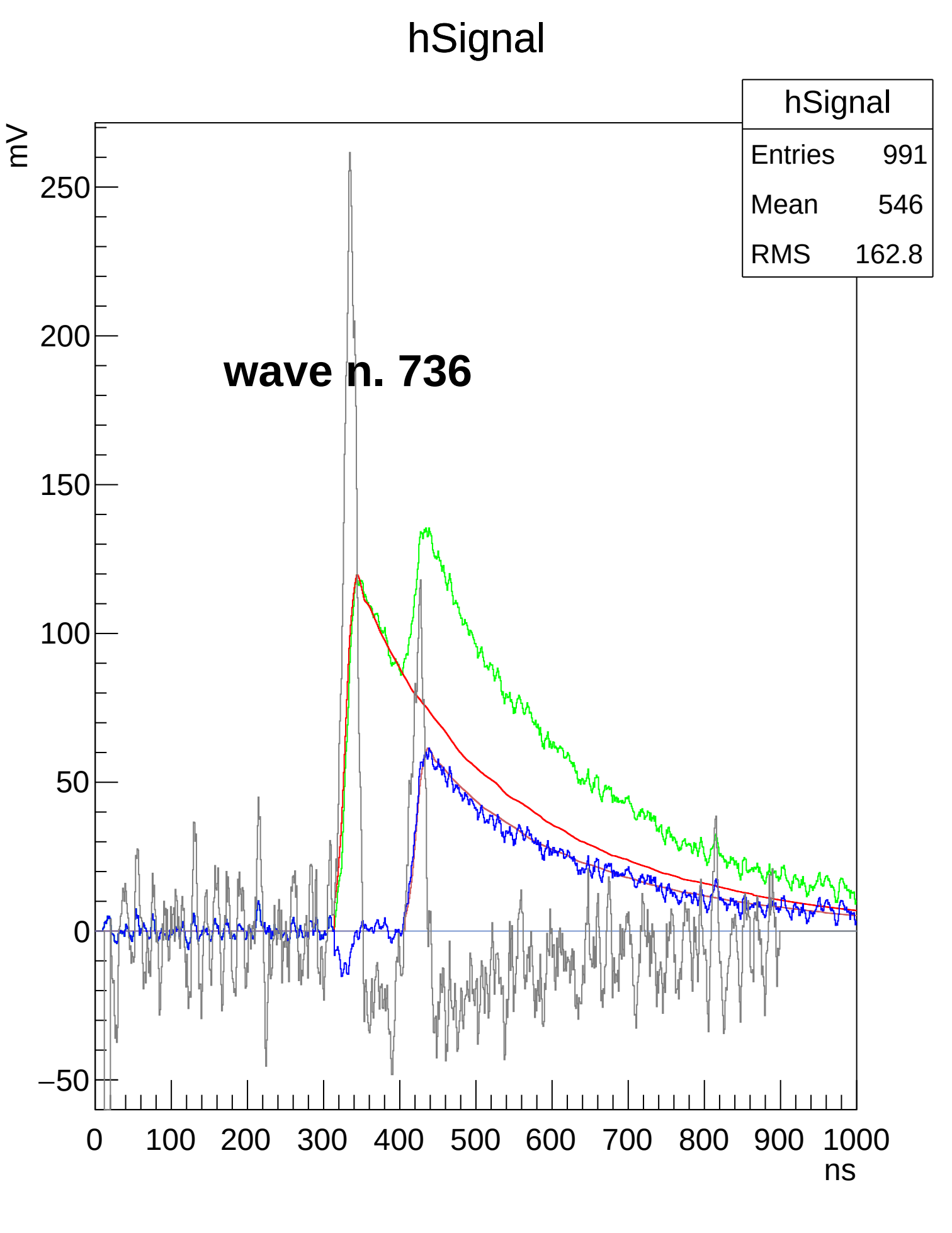

hSignal
hSignal
Entries 991
Mean 581
RMS 165.3
wave n. 731
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

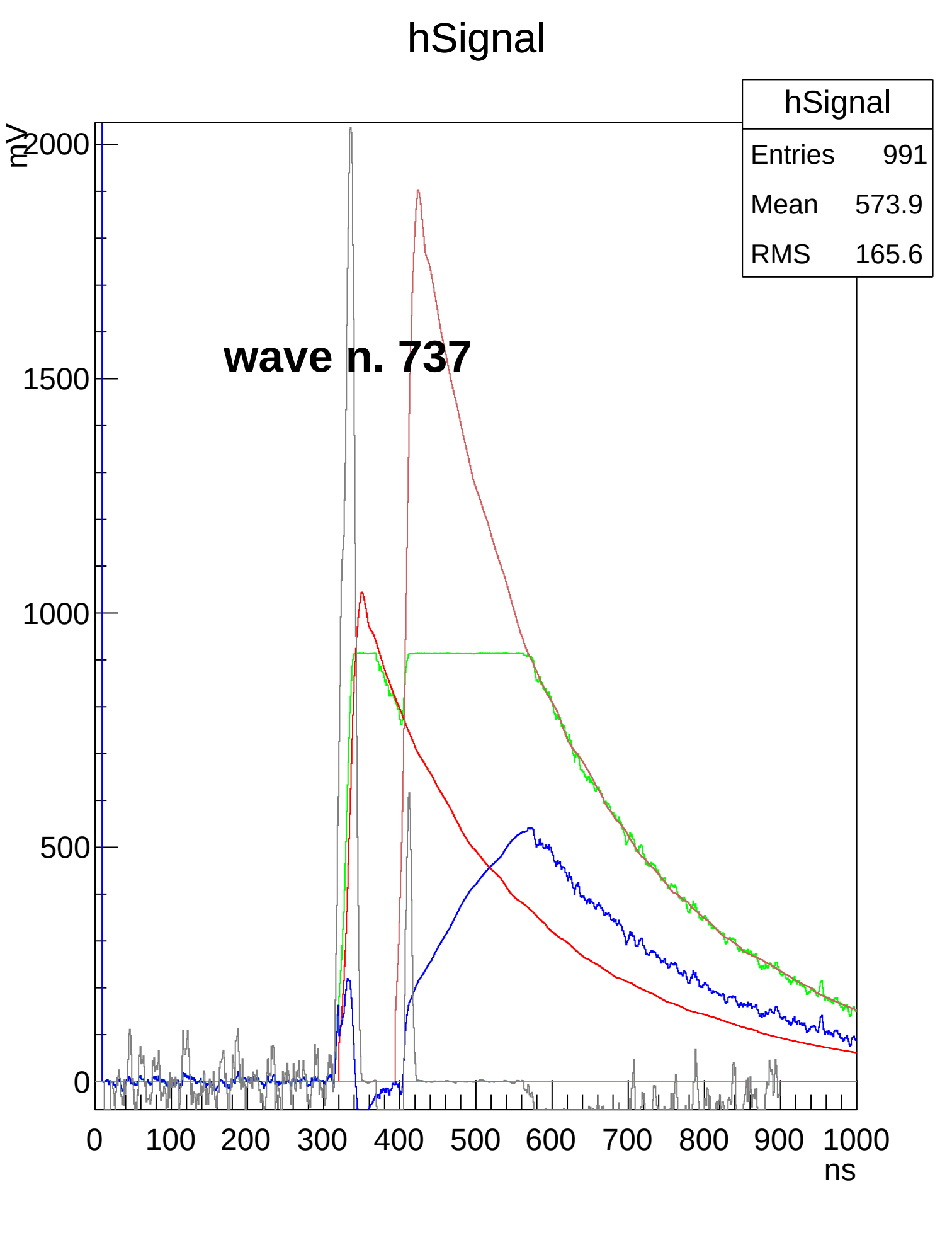

hSignal
hSignal
Entries 991
Mean 607.7
RMS 146.9
wave n. 732
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

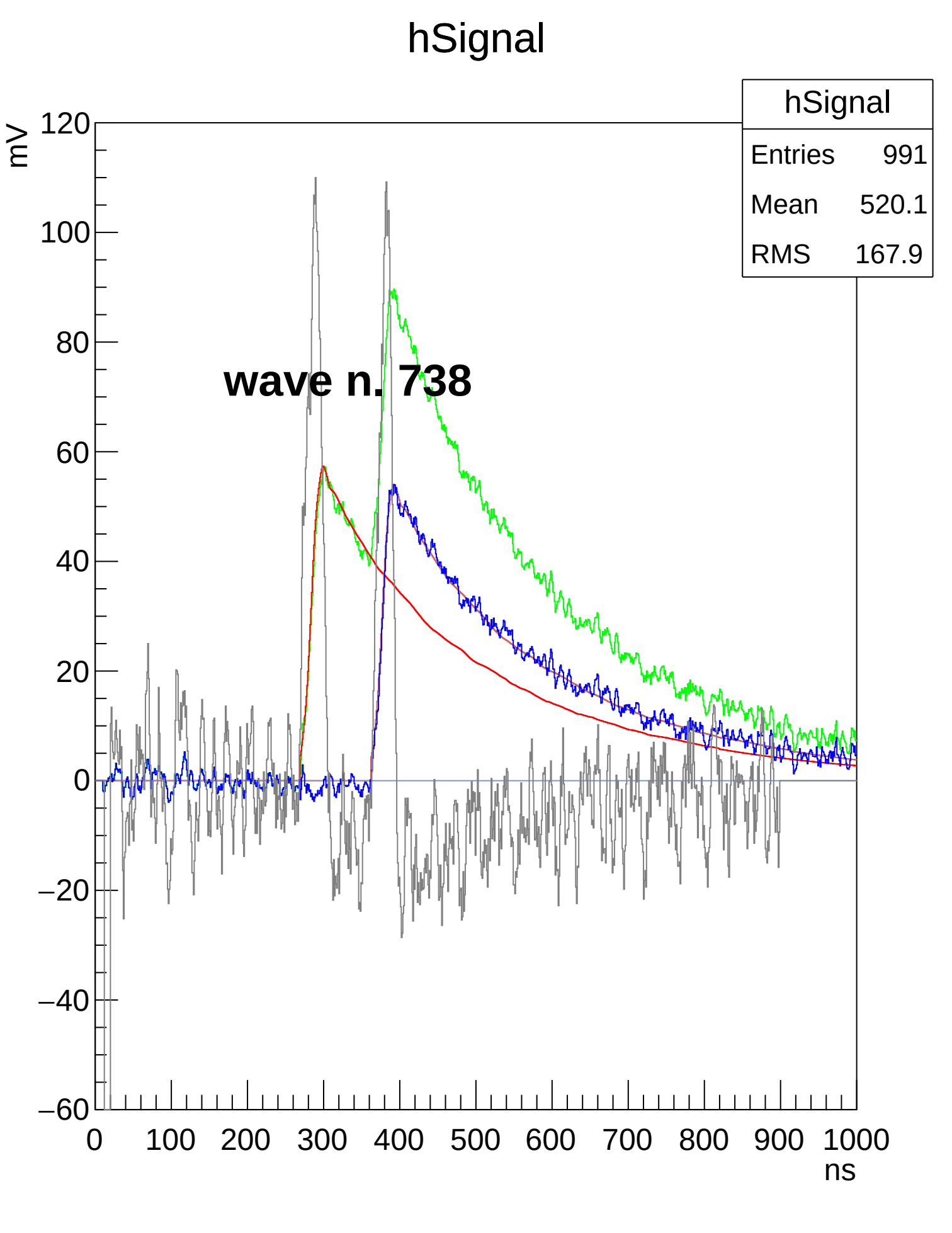

hSignal
hSignal
Entries 991
Mean 593.2
RMS 150.9
wave n. 733
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

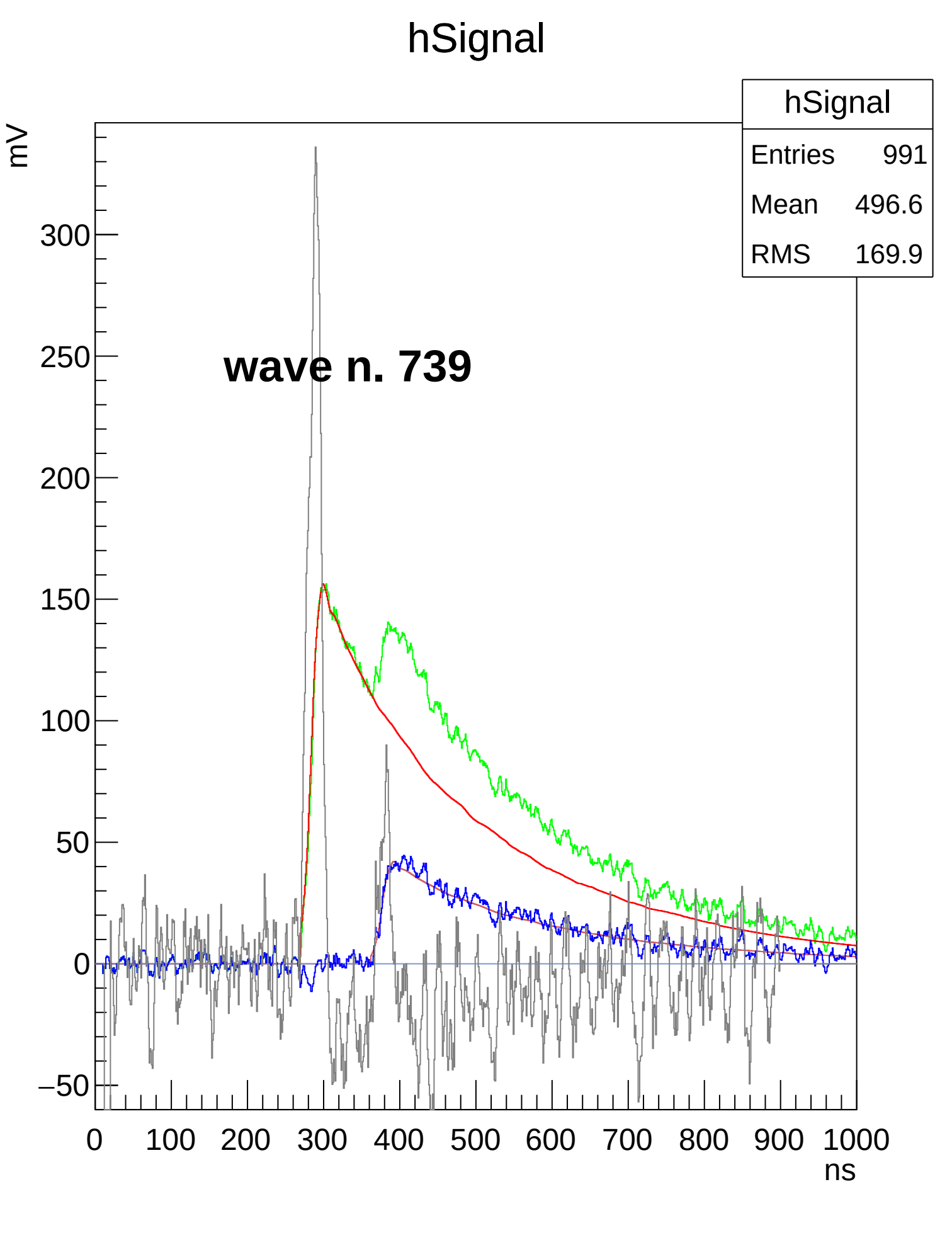

hSignal
hSignal
Entries 991
Mean 596.1
RMS 151.1
wave n. 734
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

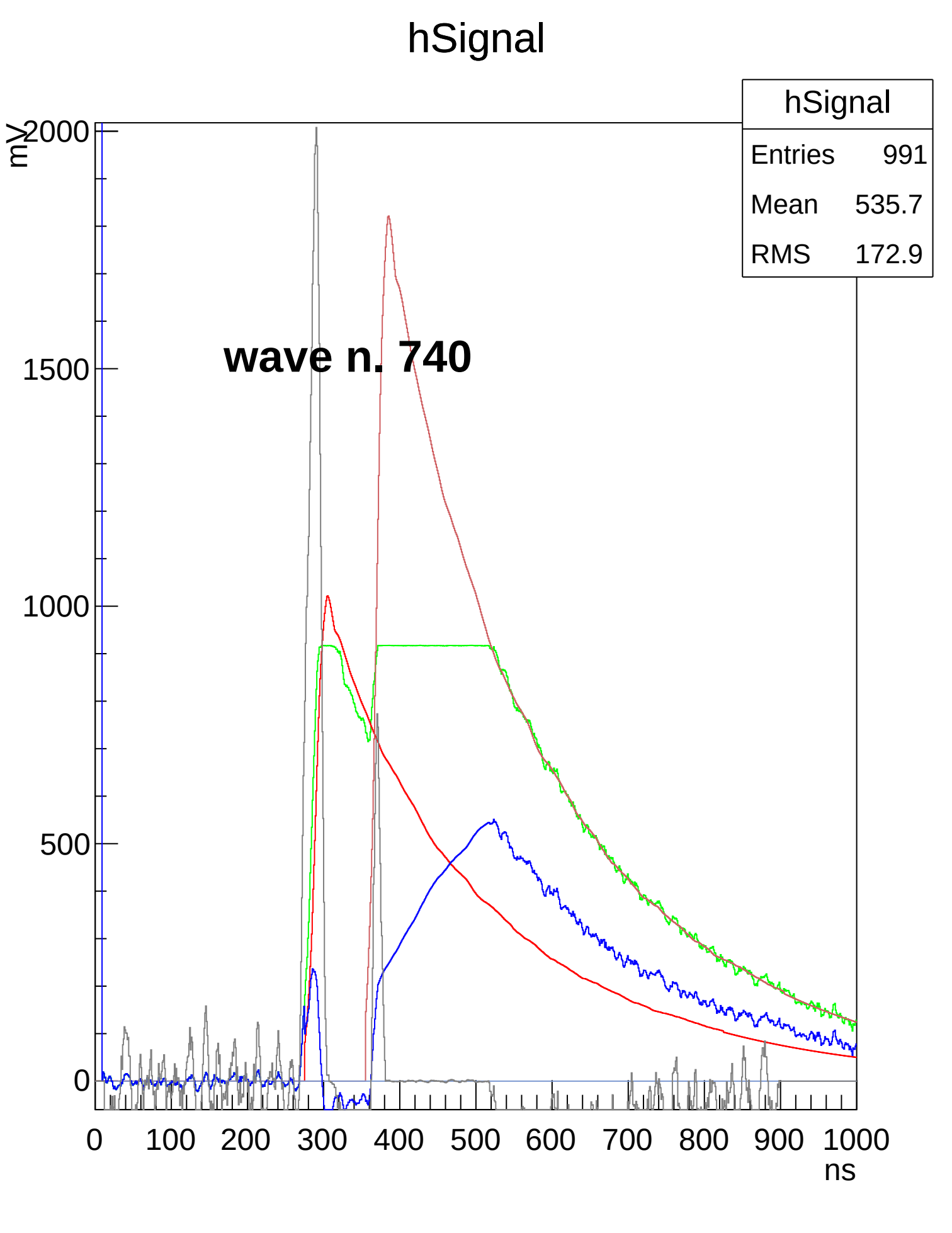

hSignal
hSignal
Entries 991
Mean 570.6
RMS 156.5
wave n. 735
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

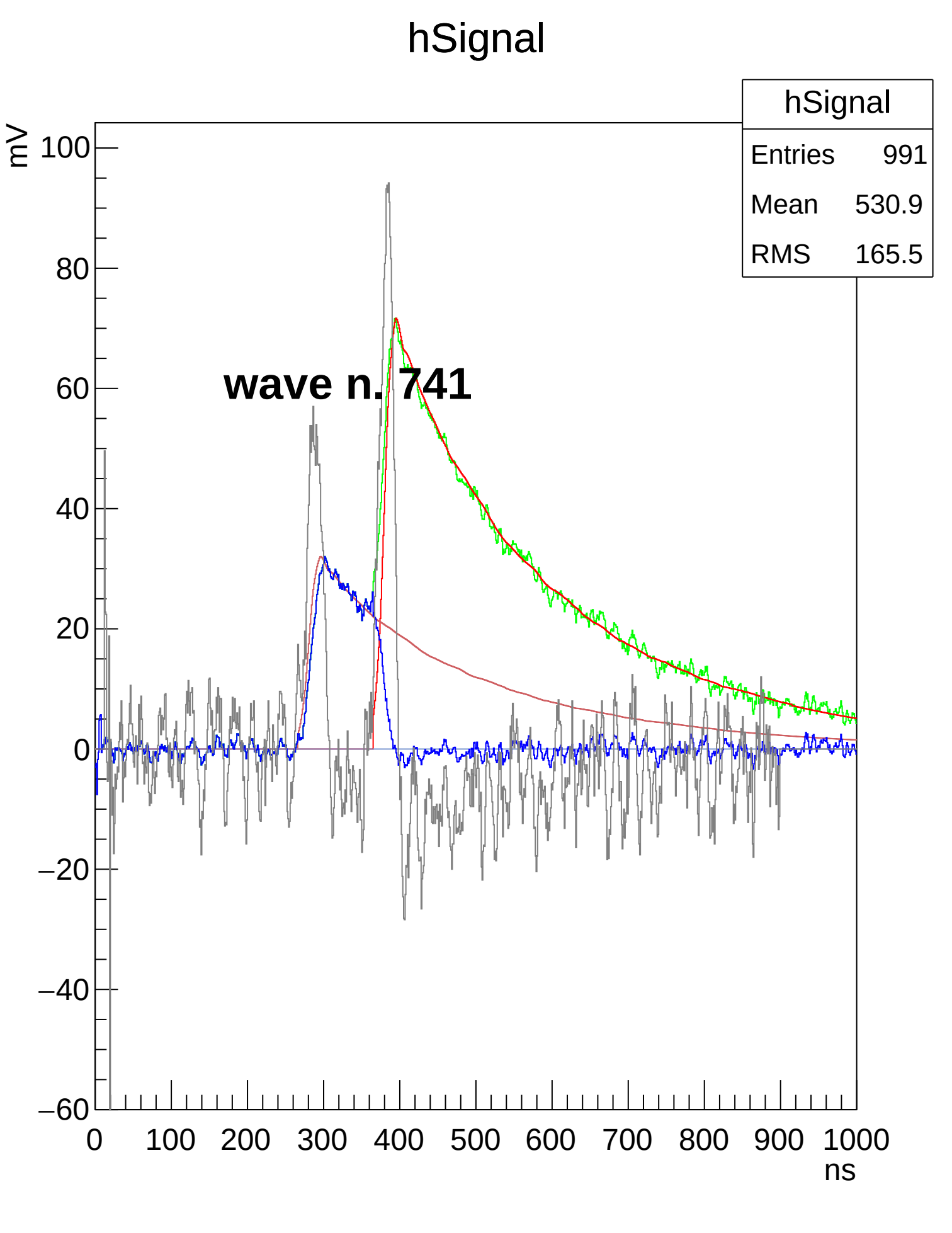

hSignal
hSignal
Entries 991
Mean 546
RMS 162.8
wave n. 736
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

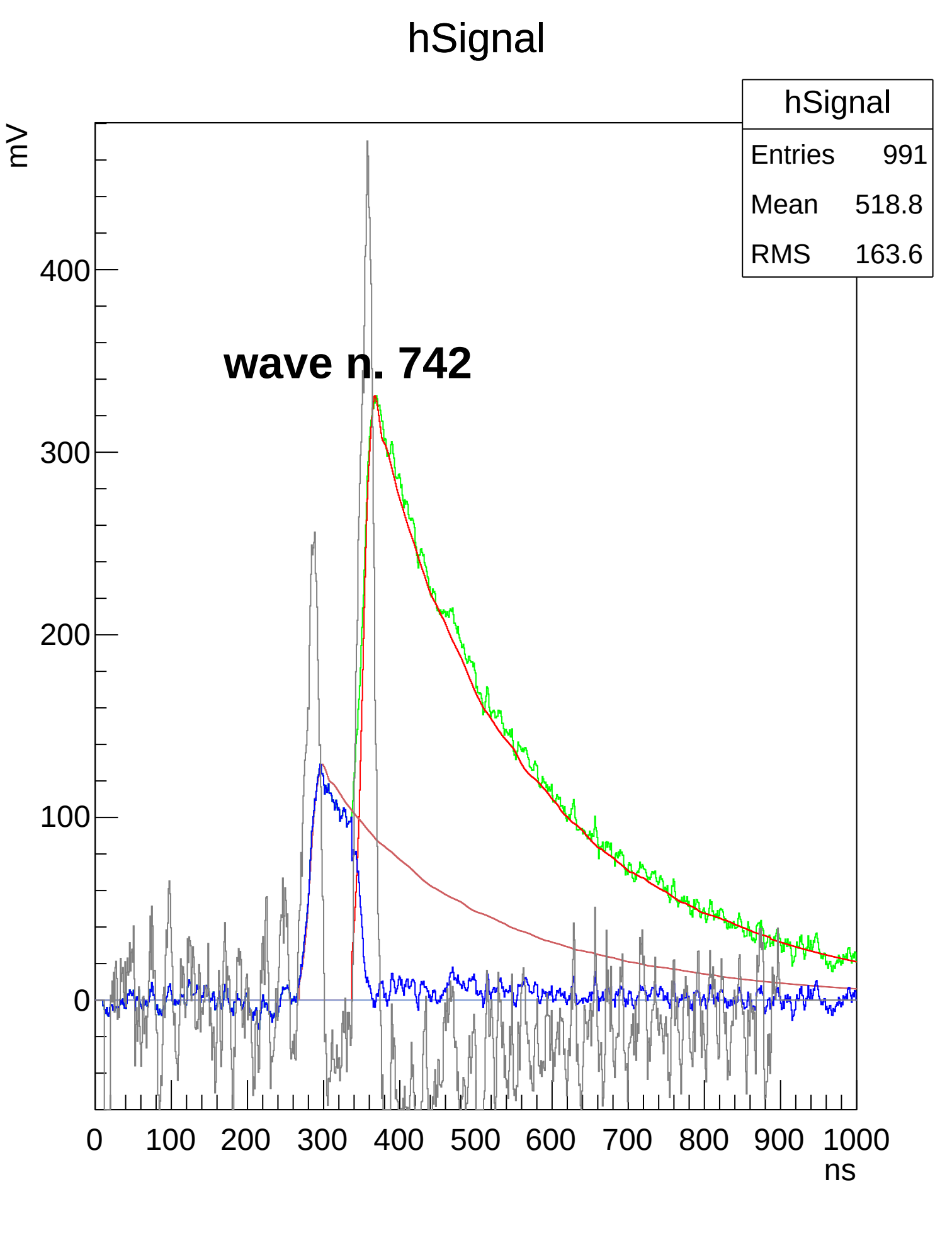

hSignal
hSignal
Entries 991
Mean 573.9
RMS 165.6
wave n. 737
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

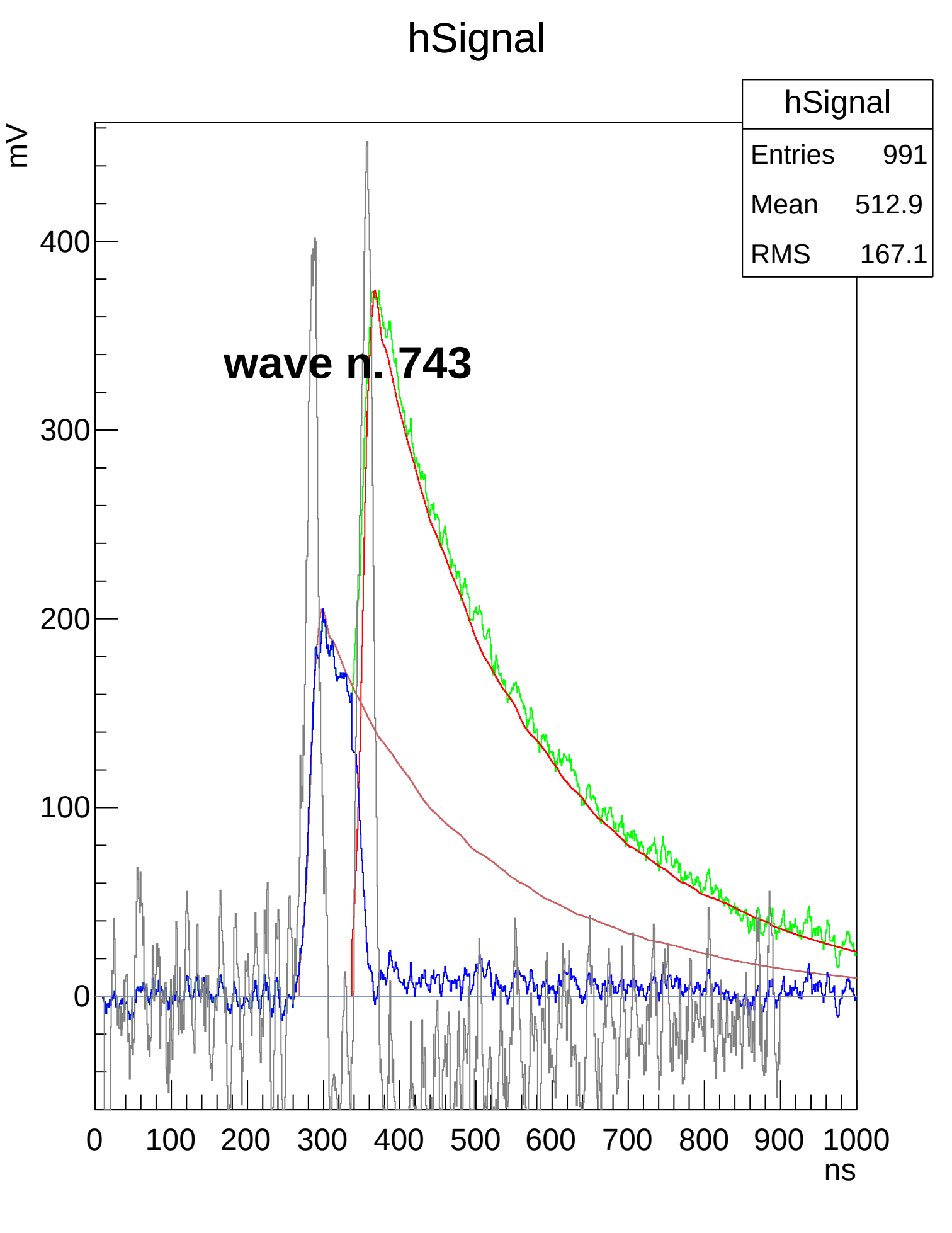

hSignal
hSignal
Entries 991
Mean 520.1
RMS 167.9
wave n. 738
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

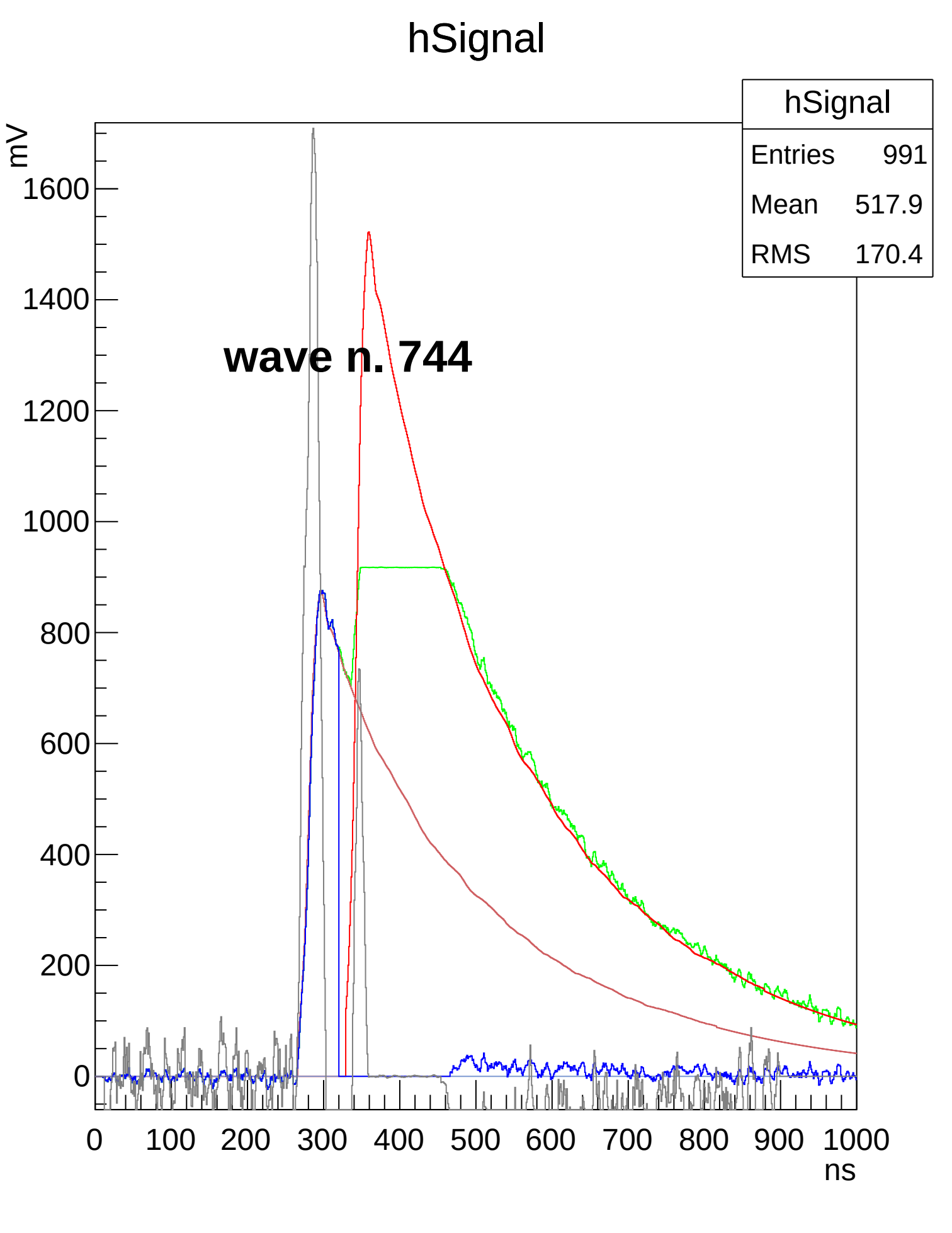

hSignal
hSignal
Entries 991
Mean 496.6
RMS 169.9
wave n. 739
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

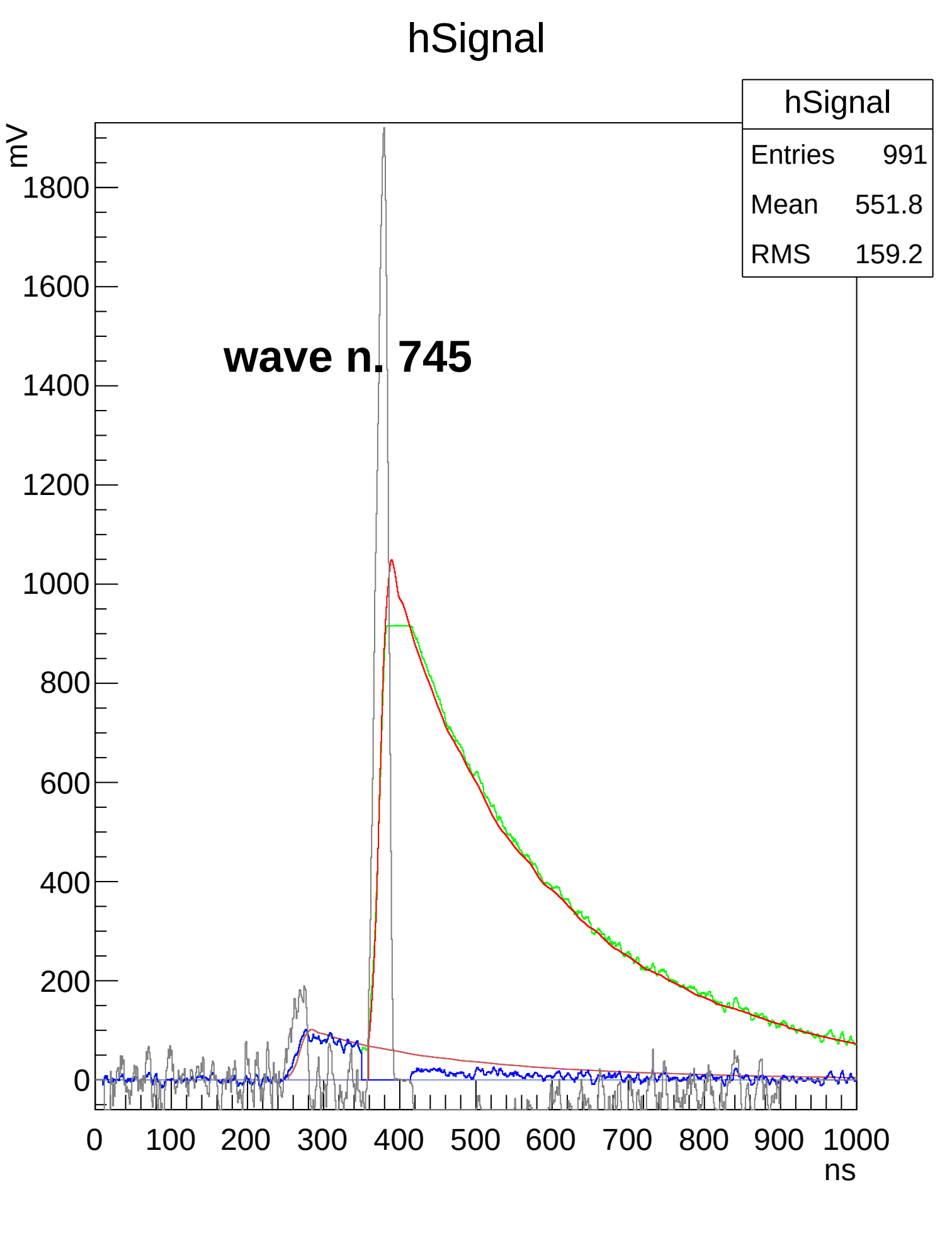

hSignal
hSignal
Entries 991
Mean 535.7
RMS 172.9
wave n. 740
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

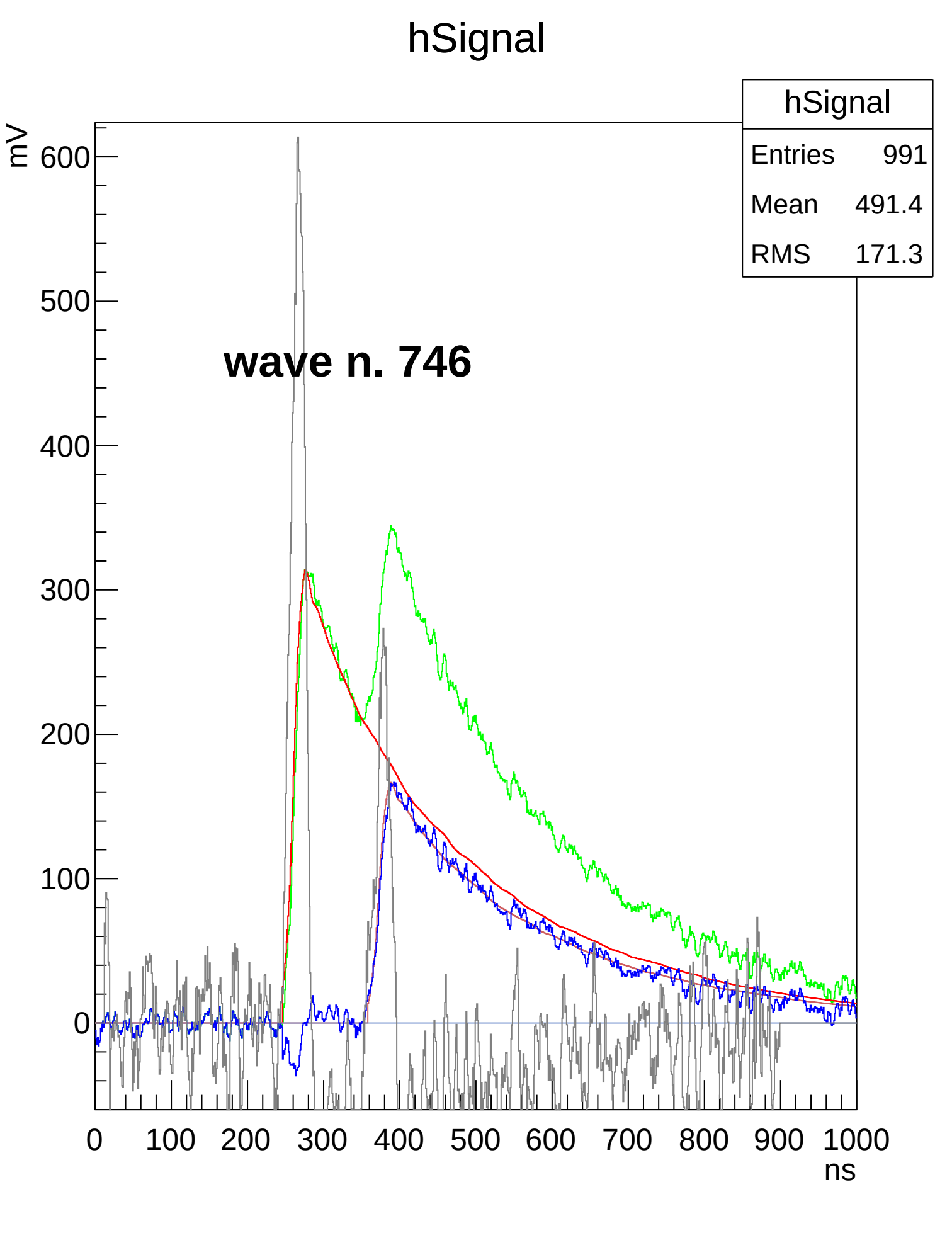

hSignal
hSignal
Entries 991
Mean 530.9
RMS 165.5
wave n. 741
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

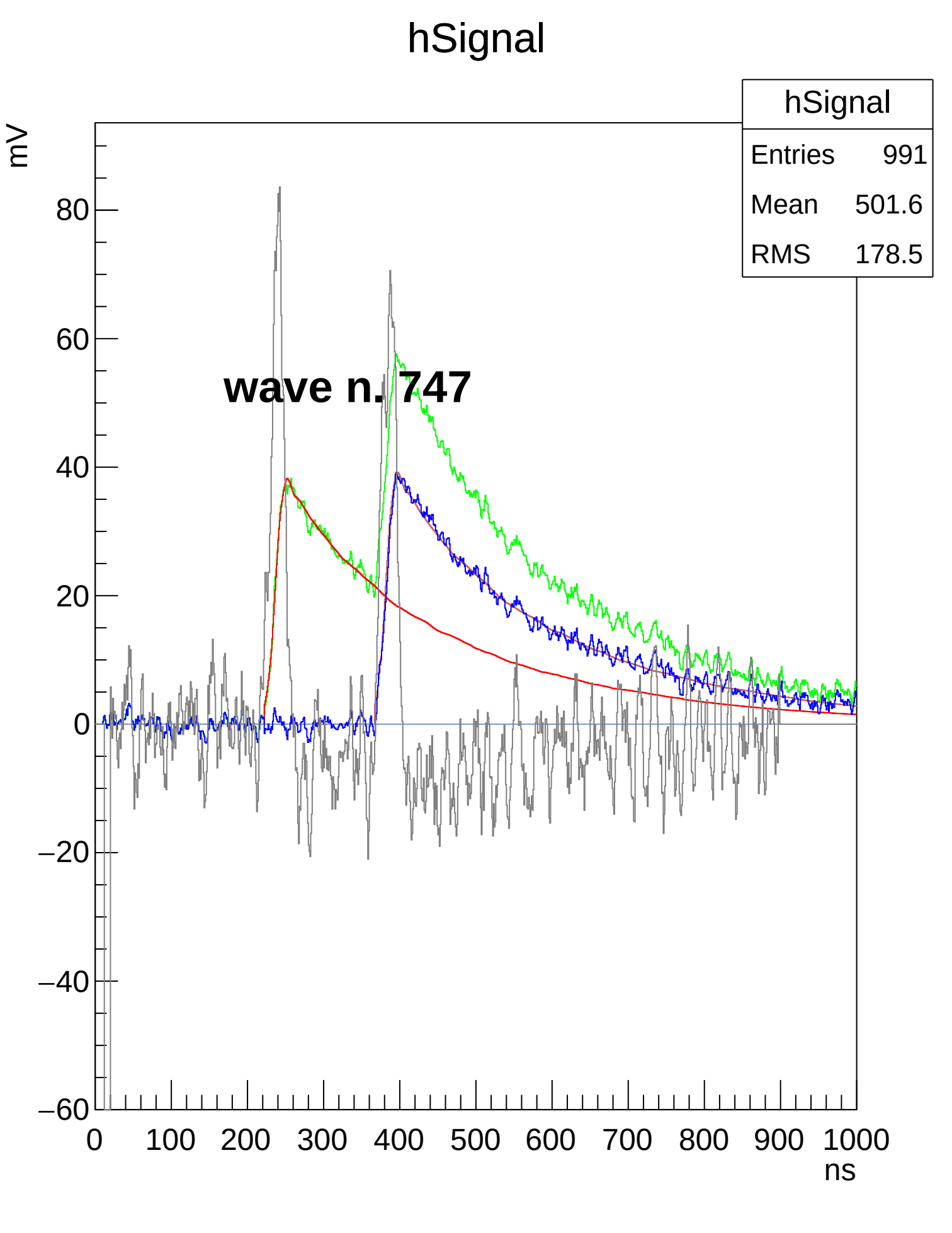

hSignal
hSignal
Entries 991
Mean 518.8
RMS 163.6
wave n. 742
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

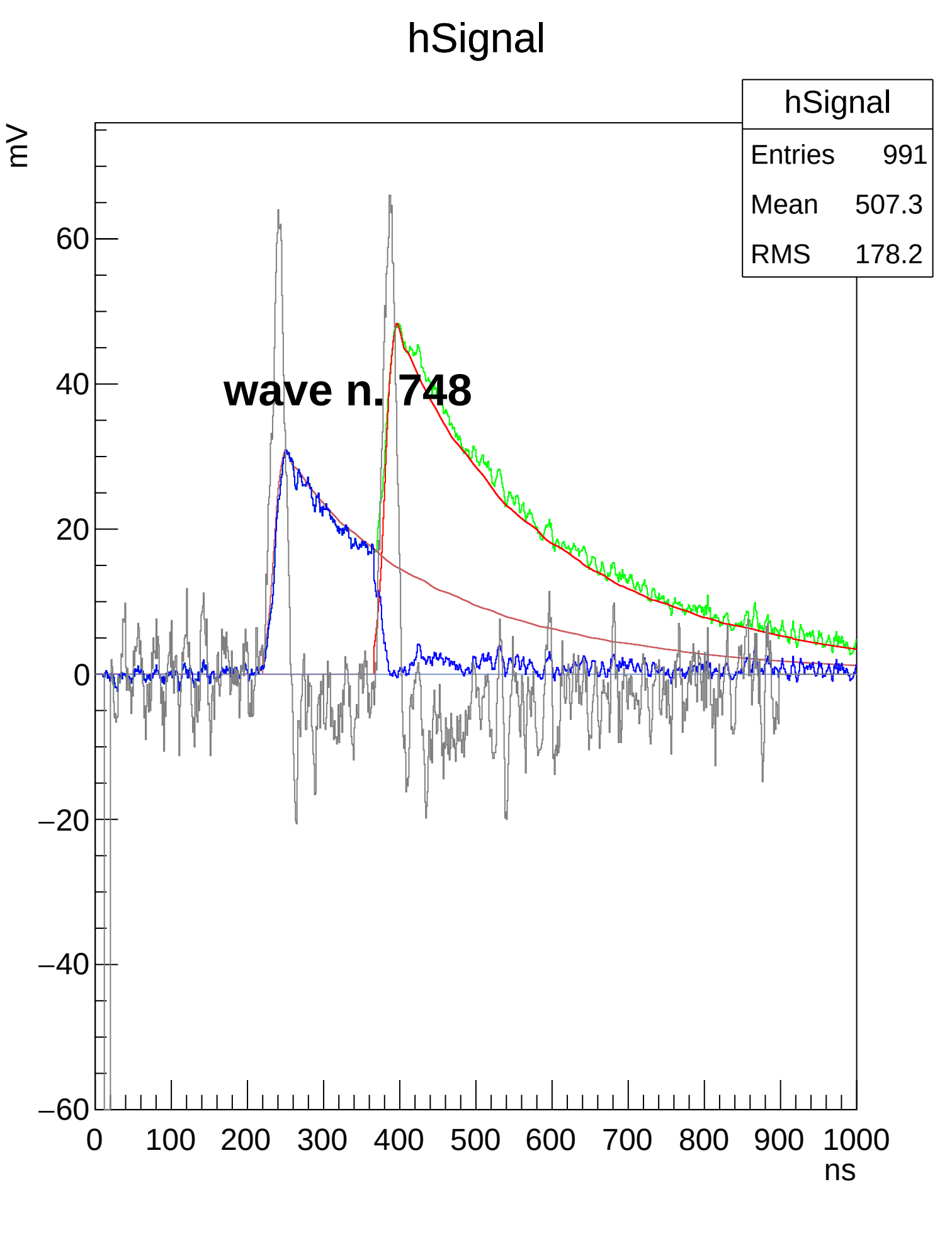

hSignal
hSignal
Entries 991
Mean 512.9
RMS 167.1
wave n. 743
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

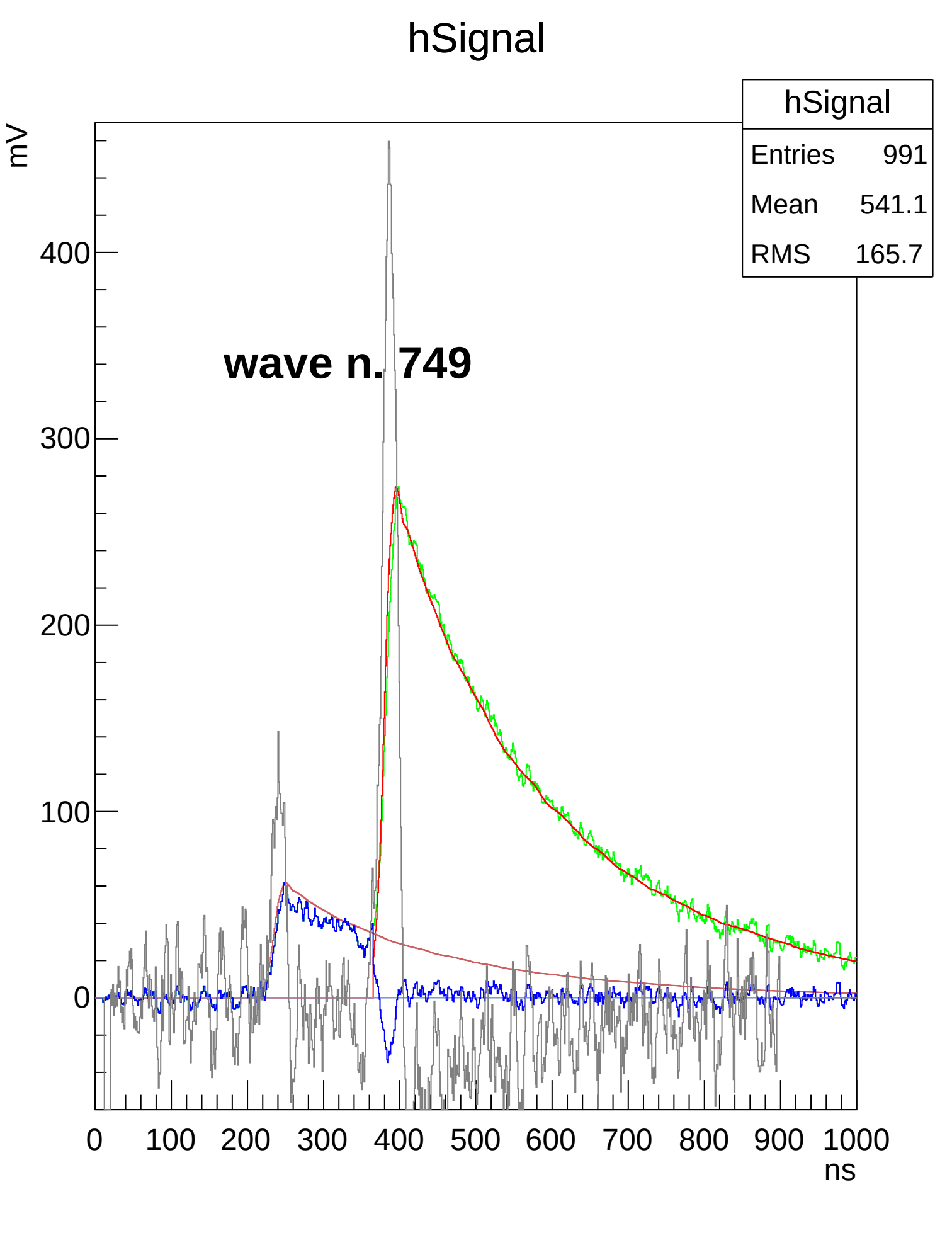

hSignal
hSignal
Entries 991
Mean 517.9
RMS 170.4
wave n. 744
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

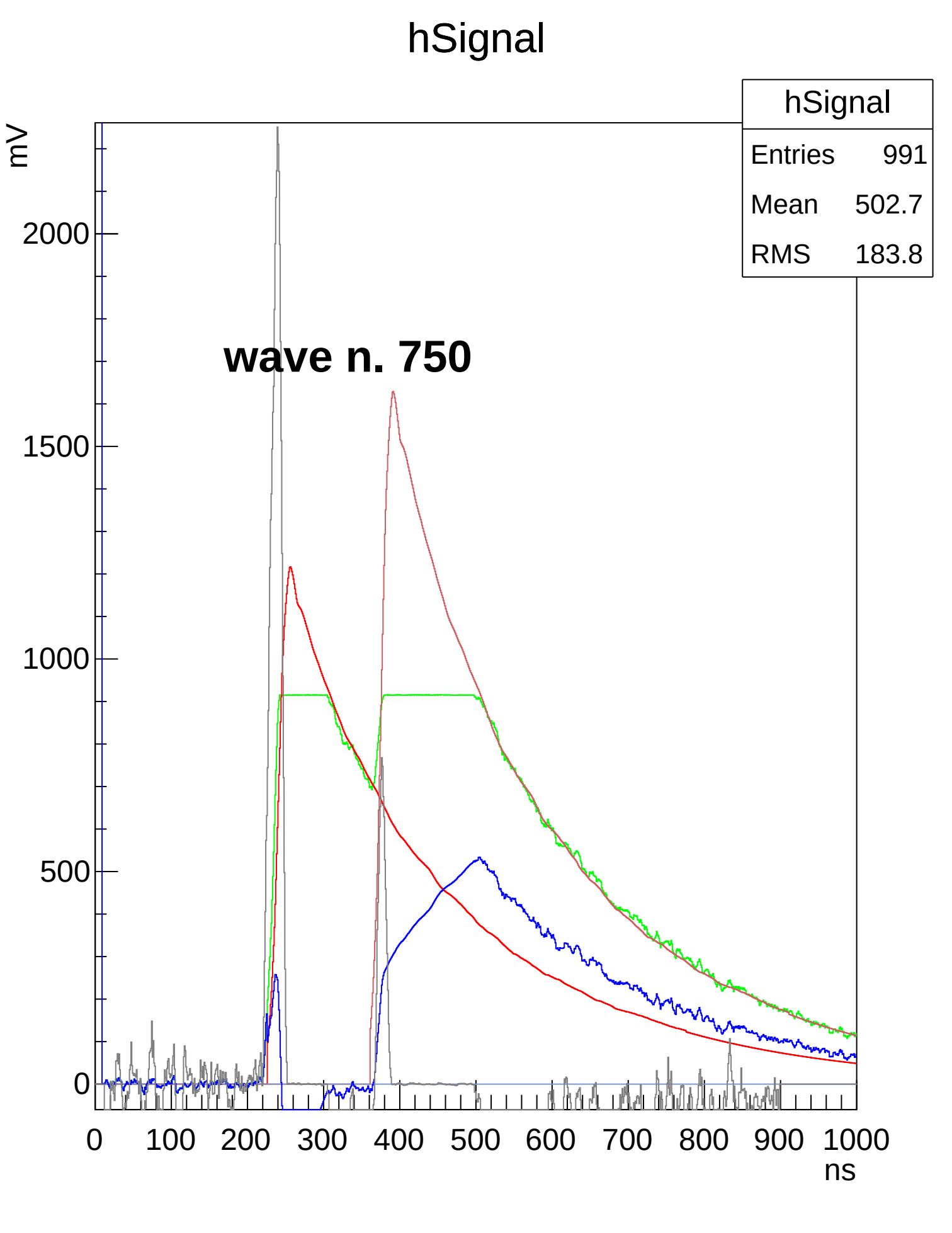

hSignal
hSignal
Entries 991
Mean 551.8
RMS 159.2
wave n. 745
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

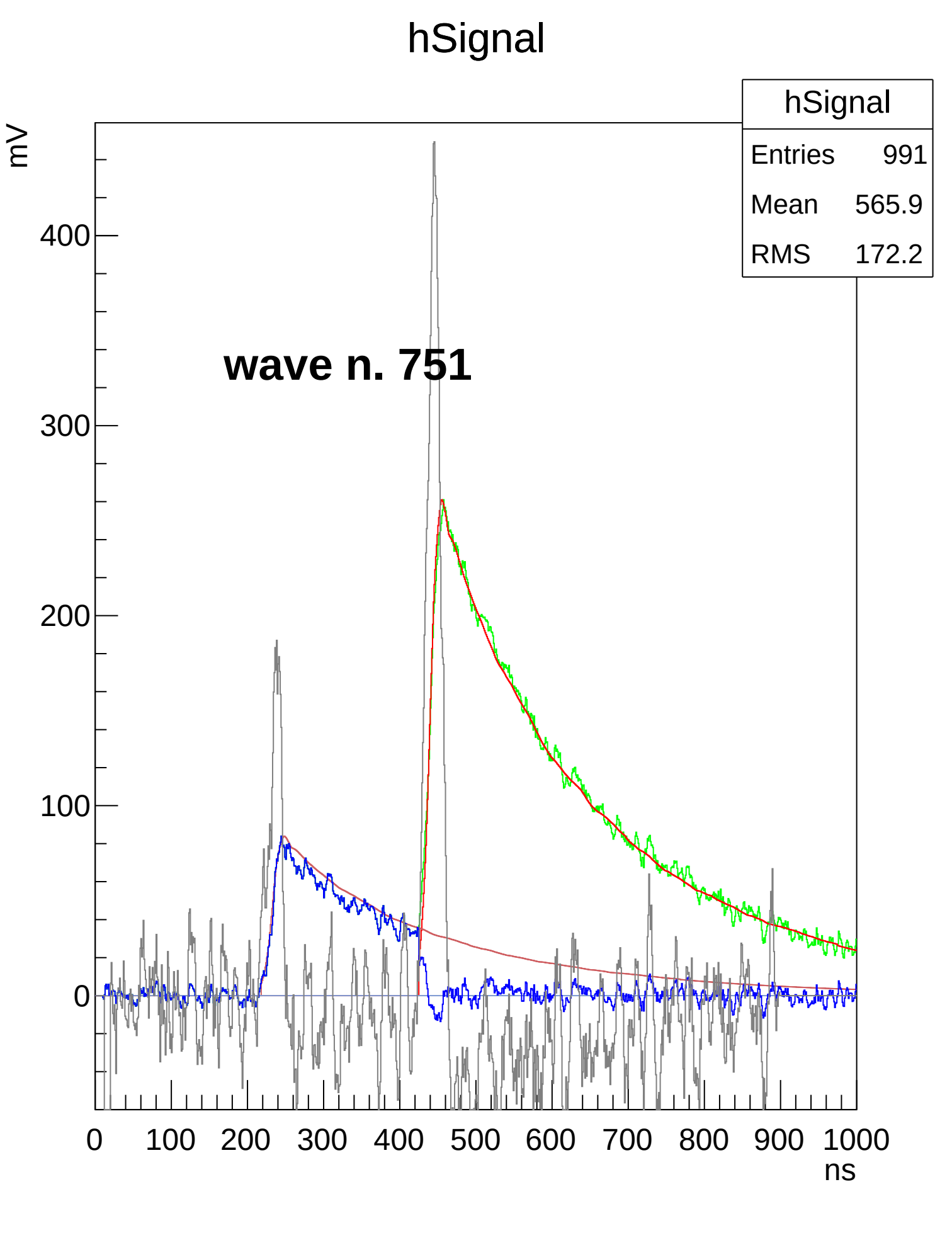

hSignal
hSignal
Entries 991
Mean 491.4
RMS 171.3
wave n. 746
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

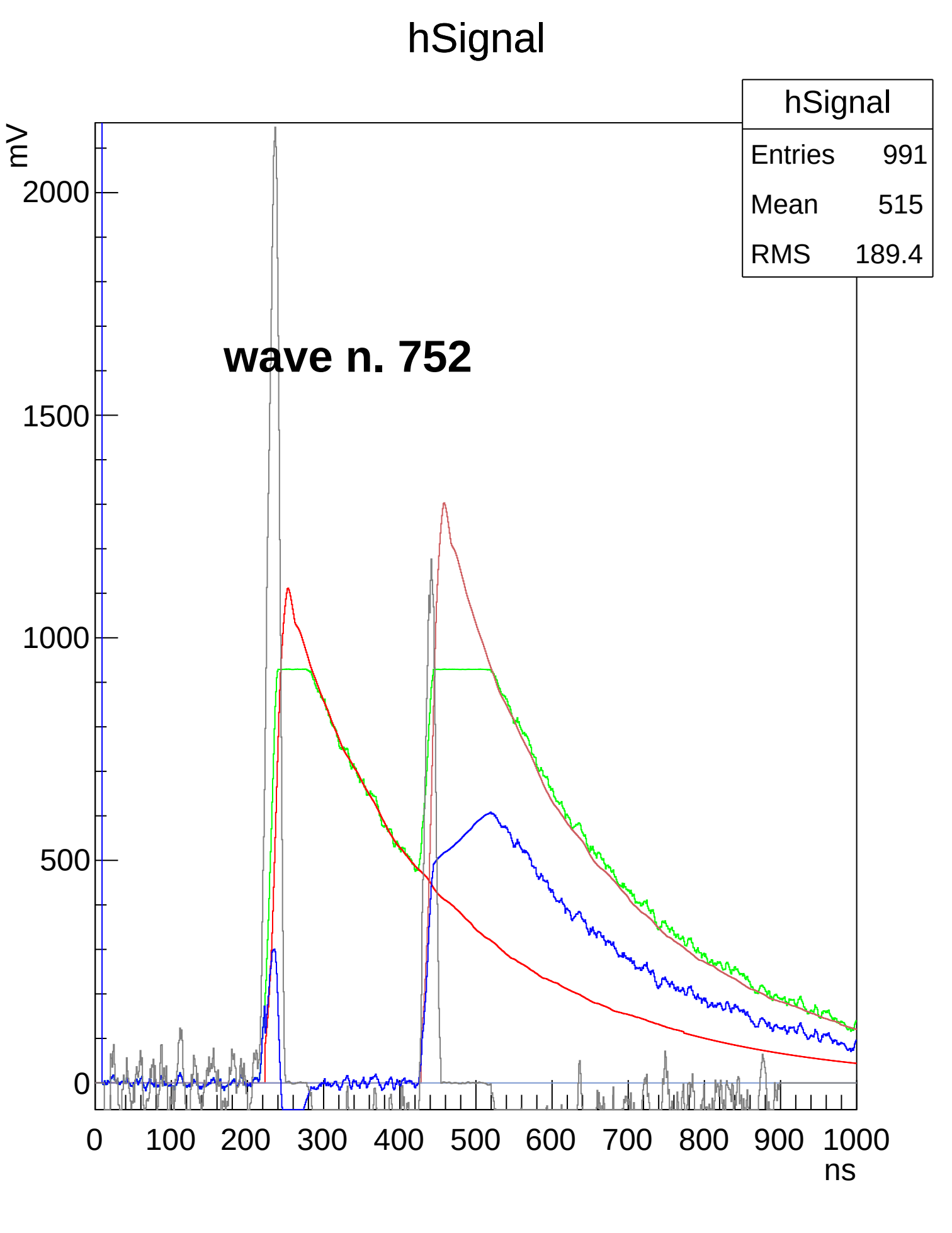

hSignal
hSignal
Entries 991
Mean 501.6
RMS 178.5
wave n. 747
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

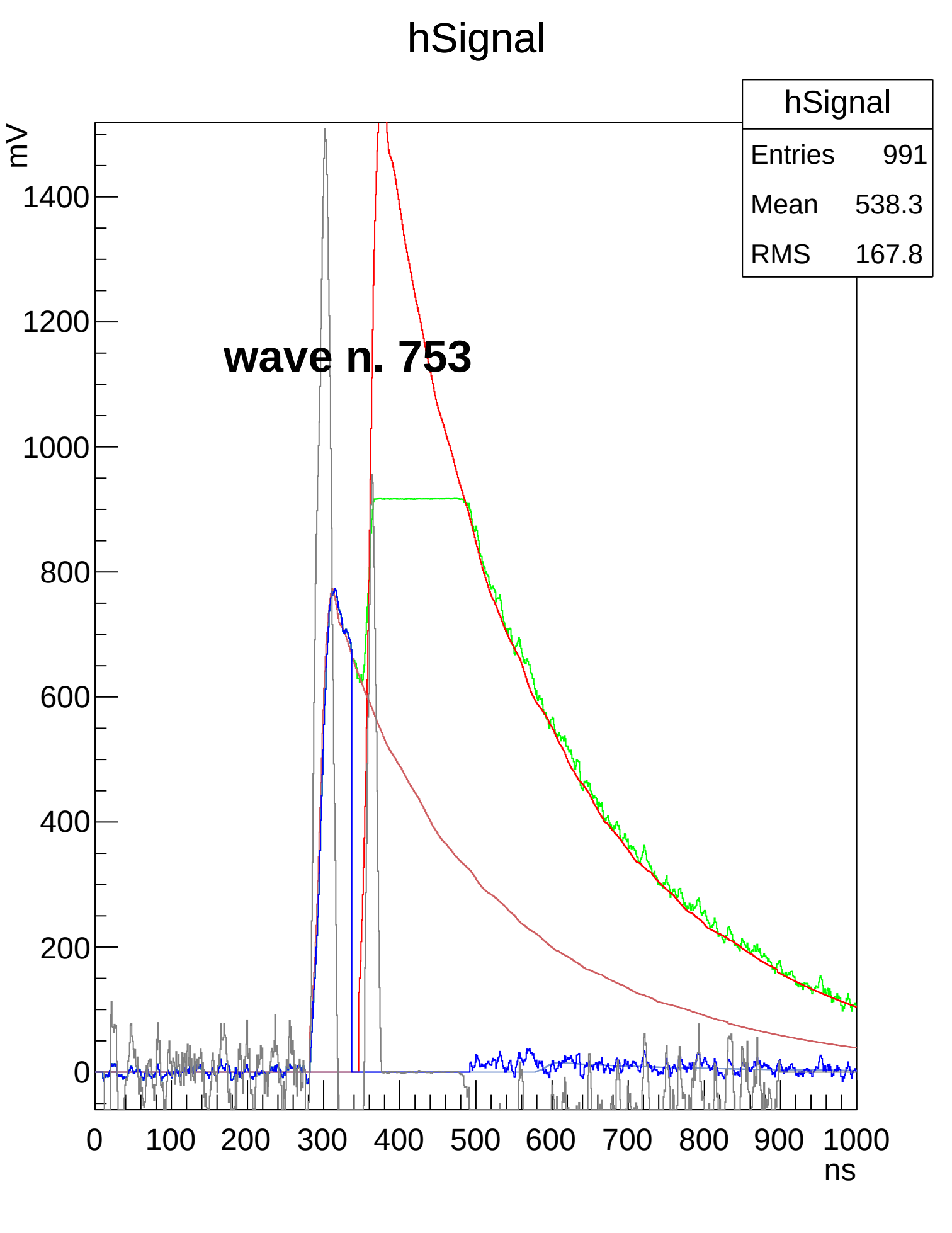

hSignal
hSignal
Entries 991
Mean 507.3
RMS 178.2
wave n. 748
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

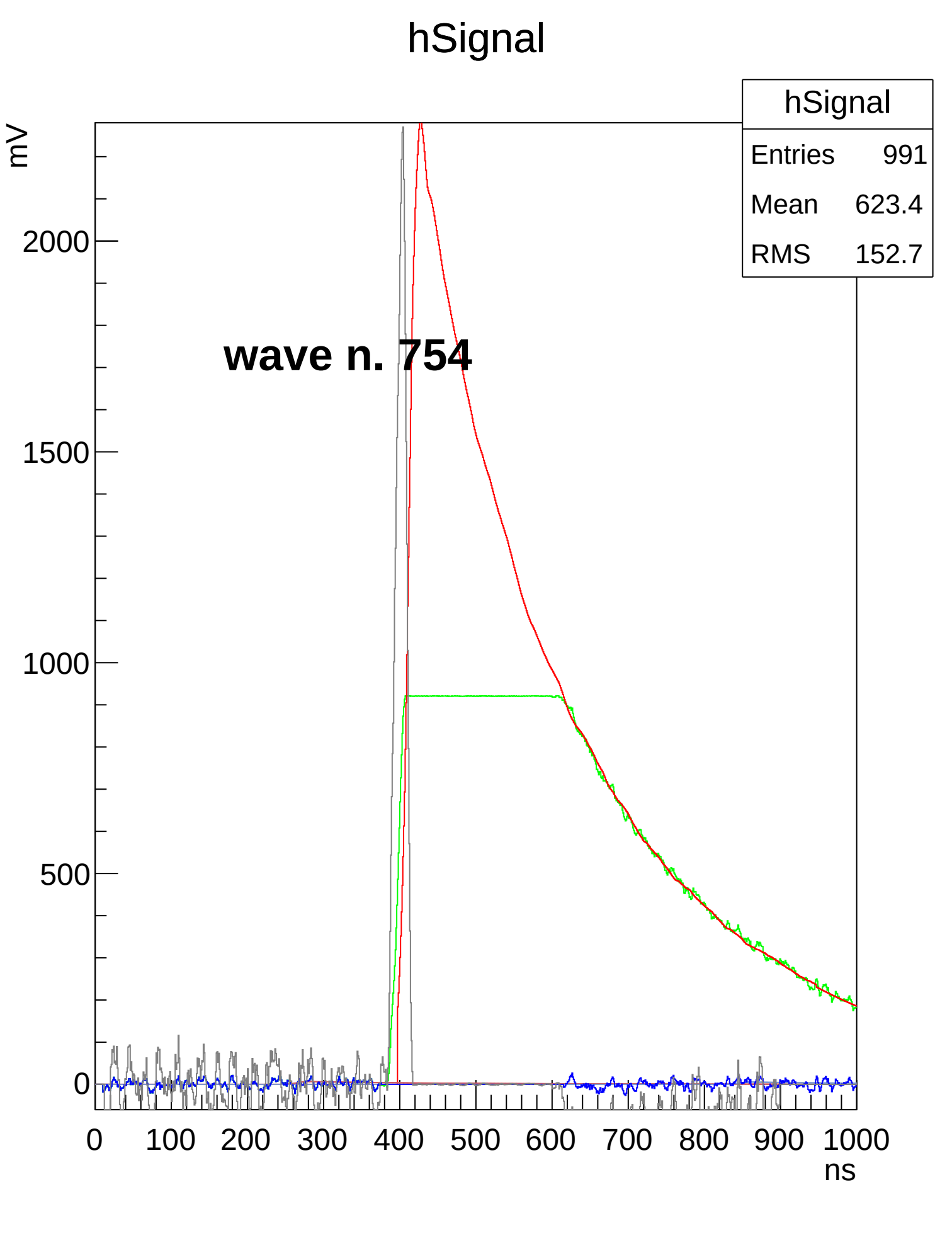

hSignal
hSignal
Entries 991
Mean 541.1
RMS 165.7
wave n. 749
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

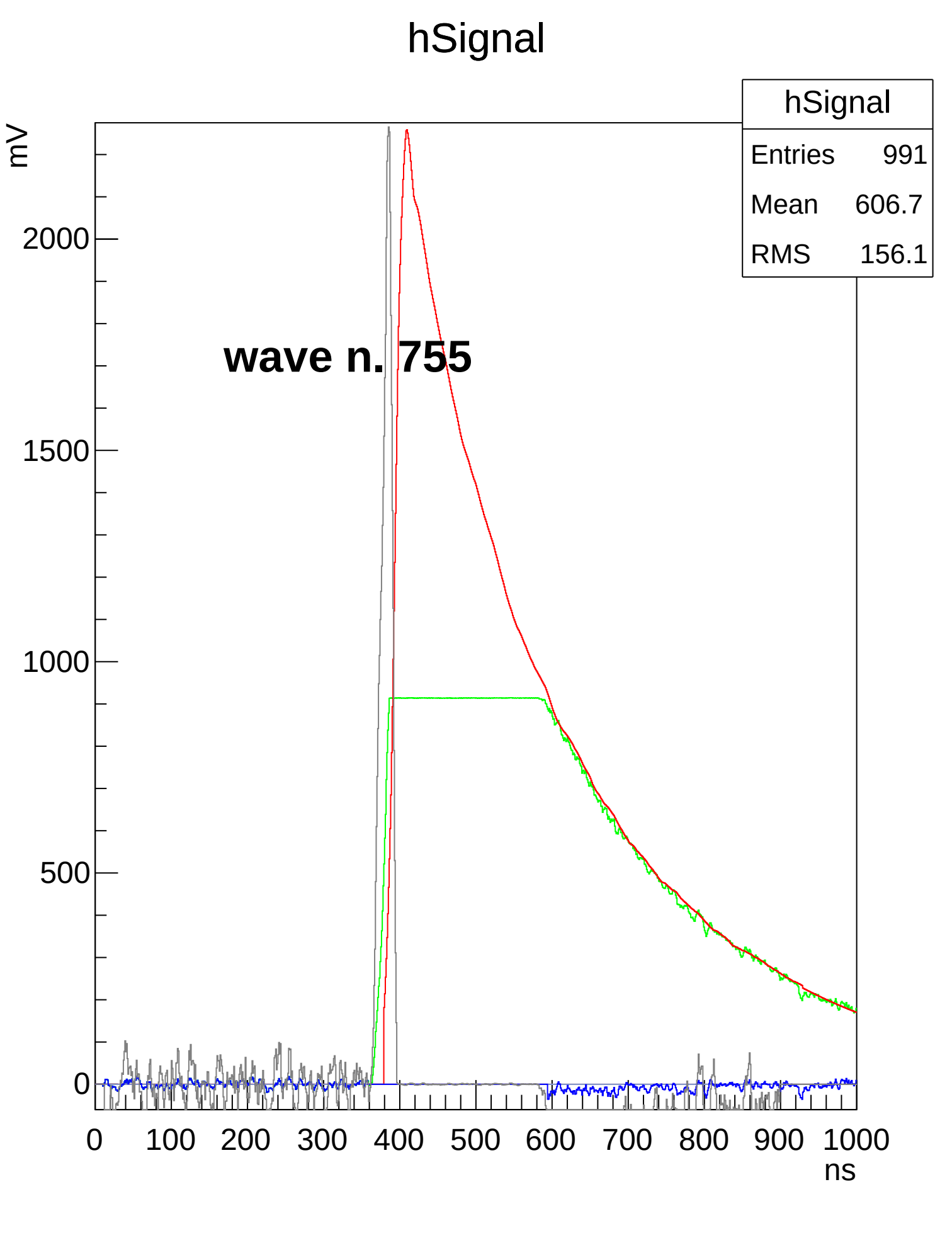

hSignal
hSignal
Entries 991
Mean 502.7
RMS 183.8
wave n. 750
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

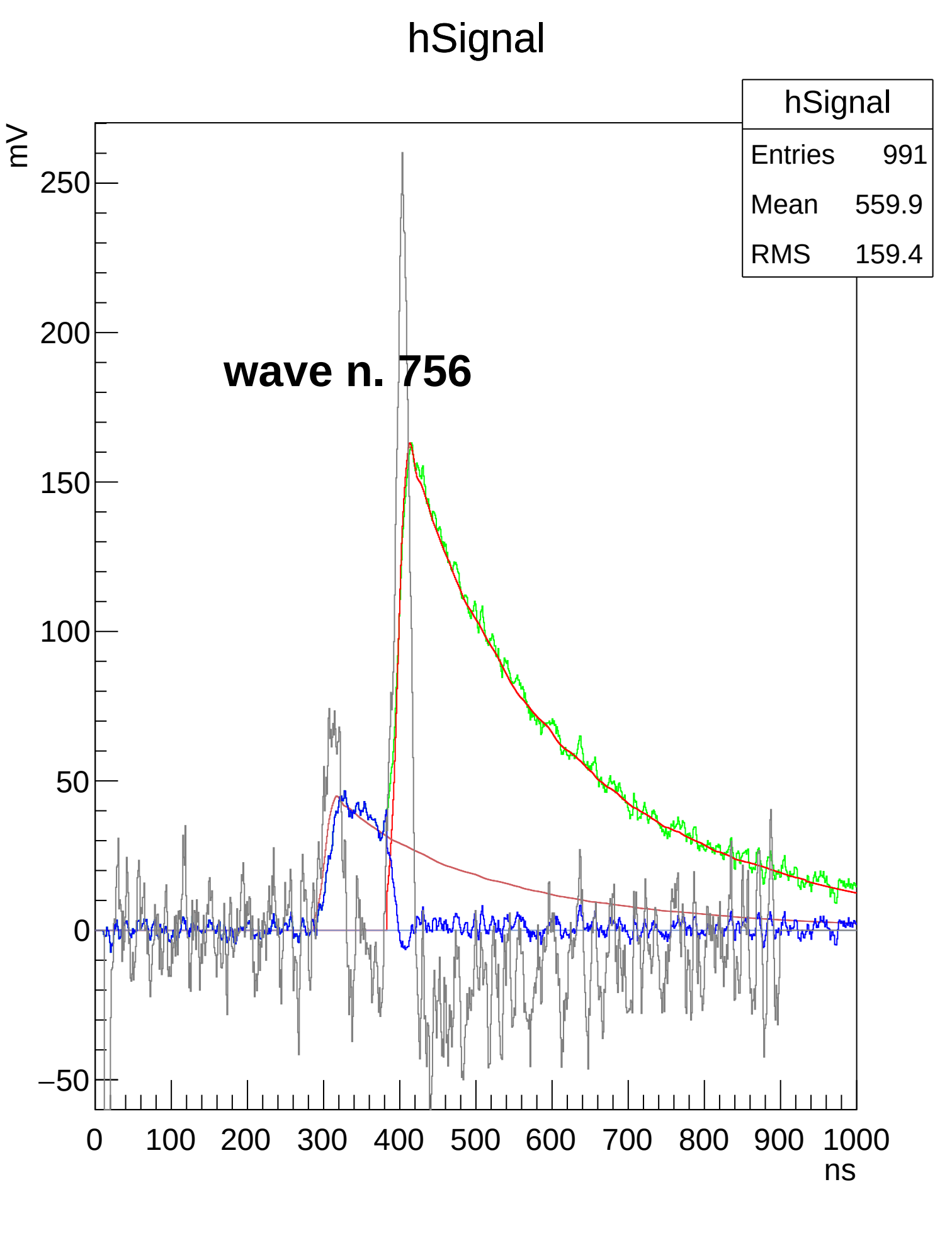

hSignal
hSignal
Entries 991
Mean 565.9
RMS 172.2
wave n. 751
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

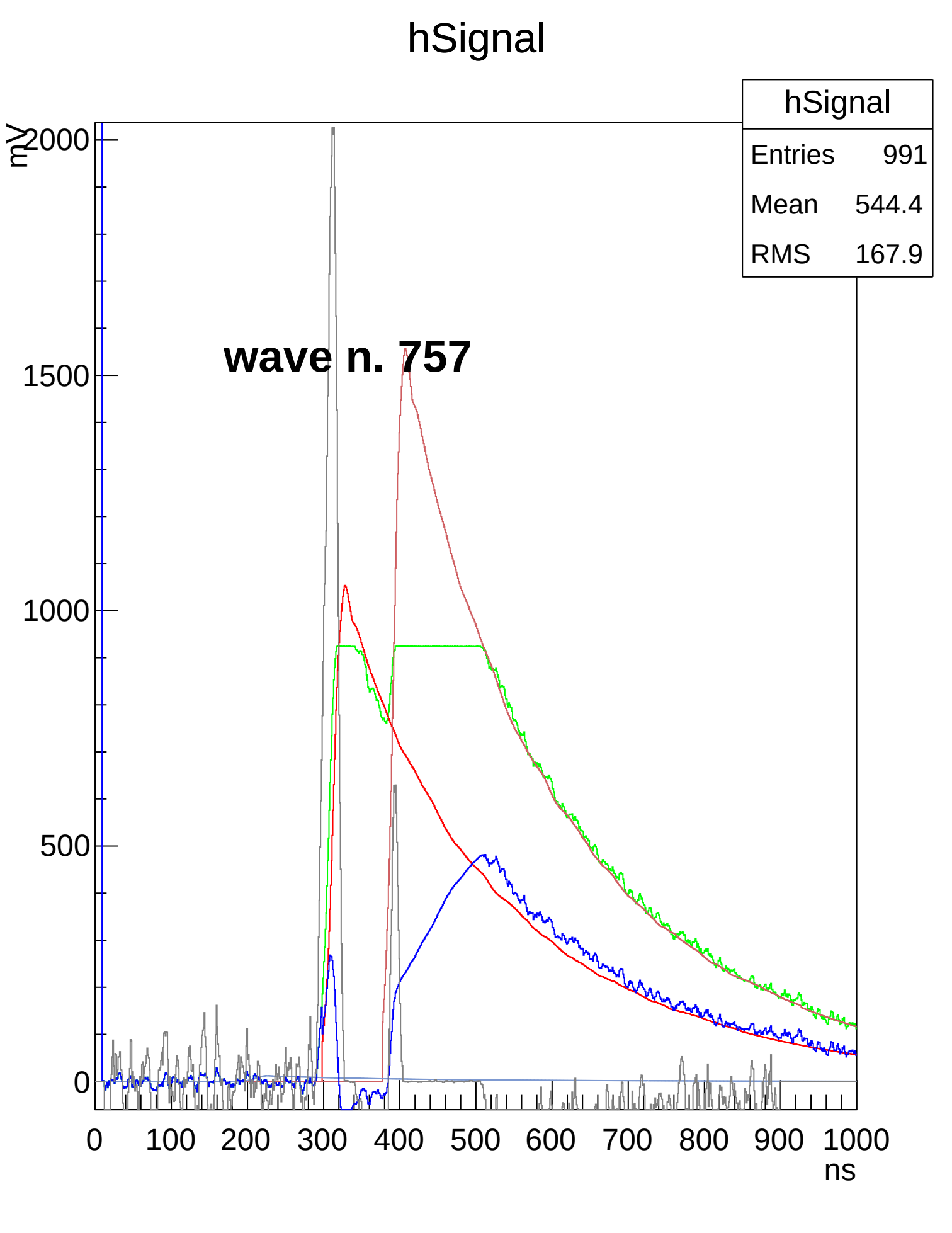

hSignal
hSignal
Entries 991
Mean 515
RMS 189.4
wave n. 752
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

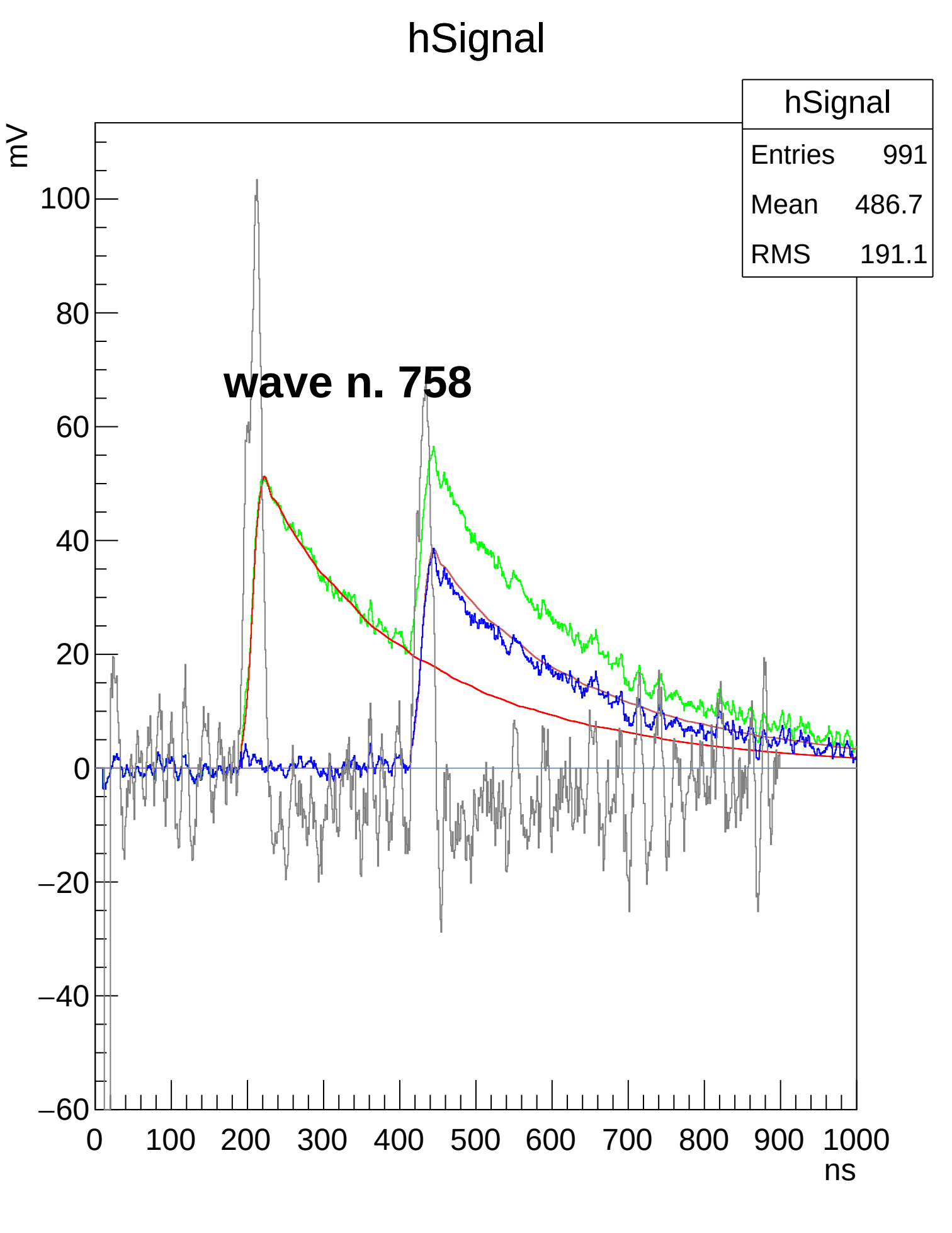

hSignal
hSignal
Entries 991
Mean 538.3
RMS 167.8
wave n. 753
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

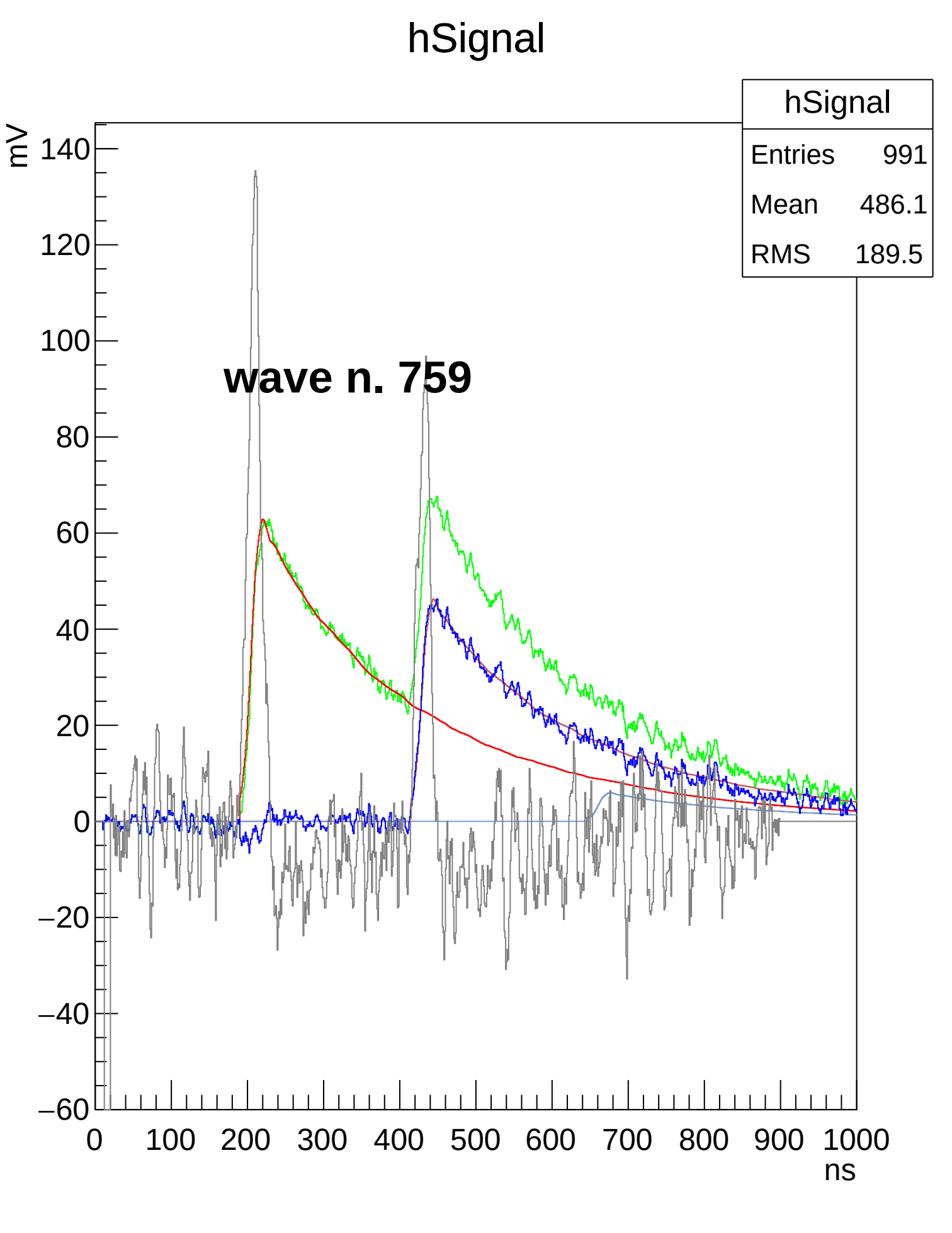

hSignal
hSignal
Entries 991
Mean 623.4
RMS 152.7
wave n. 754
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

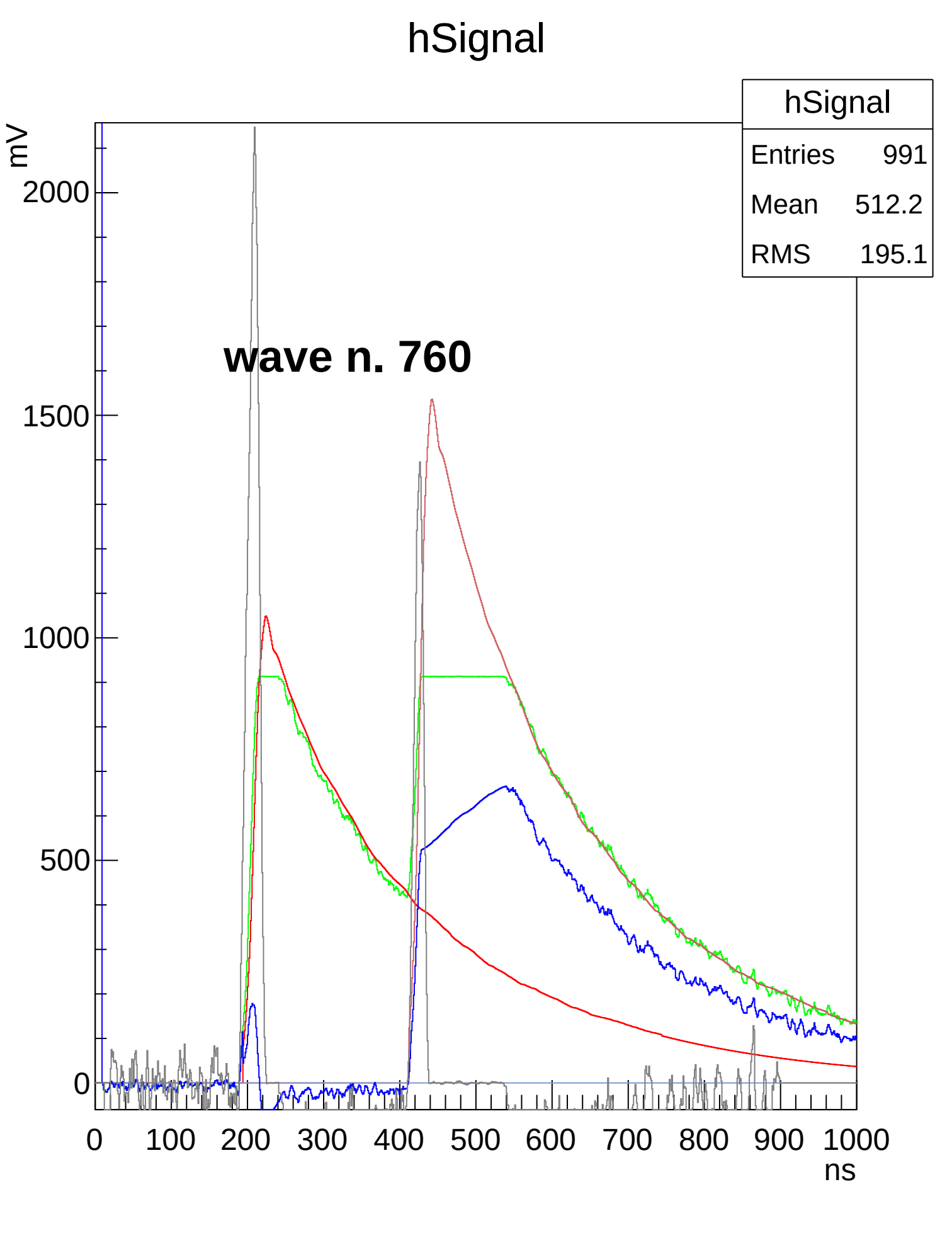

hSignal
hSignal
Entries 991
Mean 606.7
RMS 156.1
wave n. 755
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

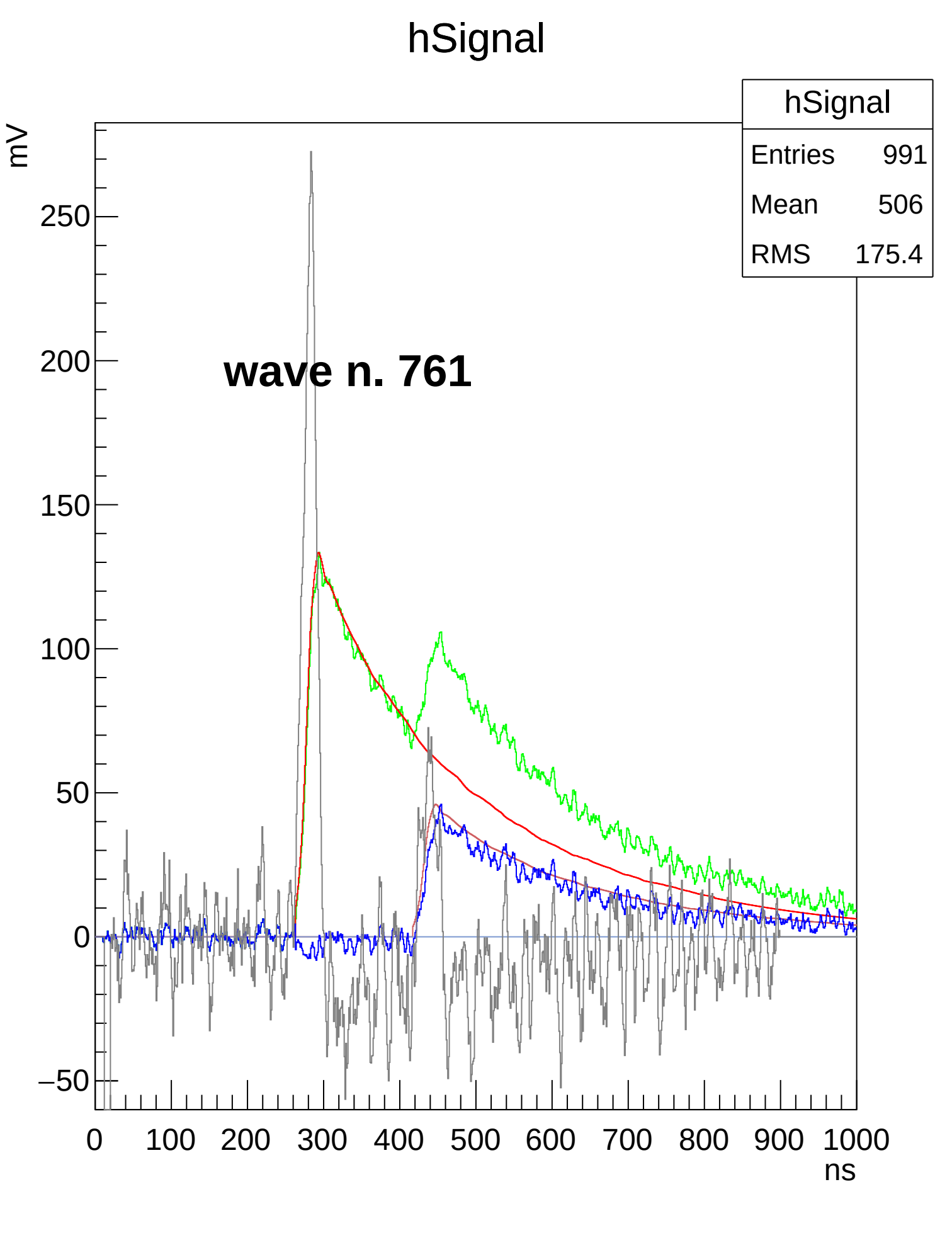

hSignal
hSignal
Entries 991
Mean 559.9
RMS 159.4
wave n. 756
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

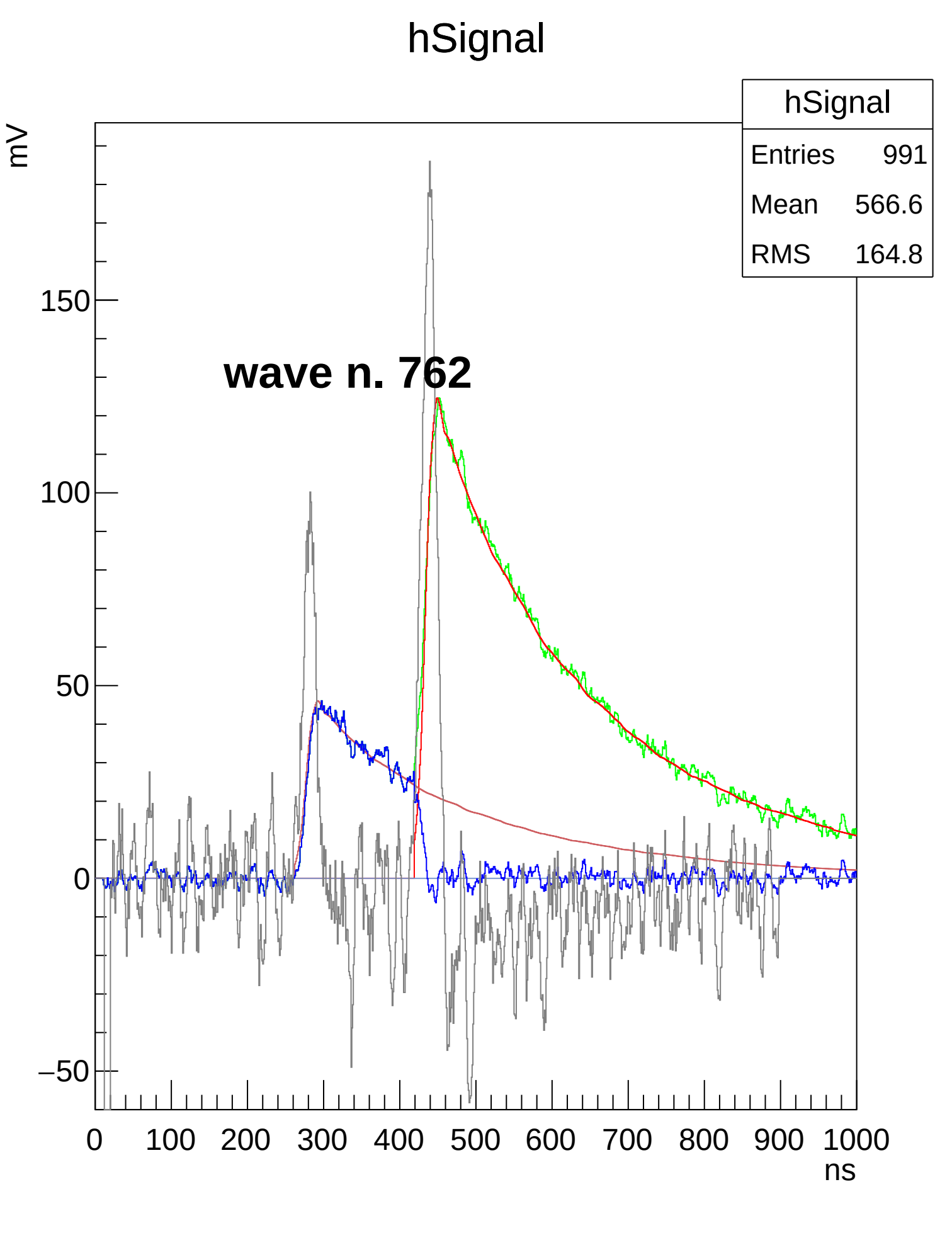

hSignal
hSignal
Entries 991
Mean 544.4
RMS 167.9
wave n. 757
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

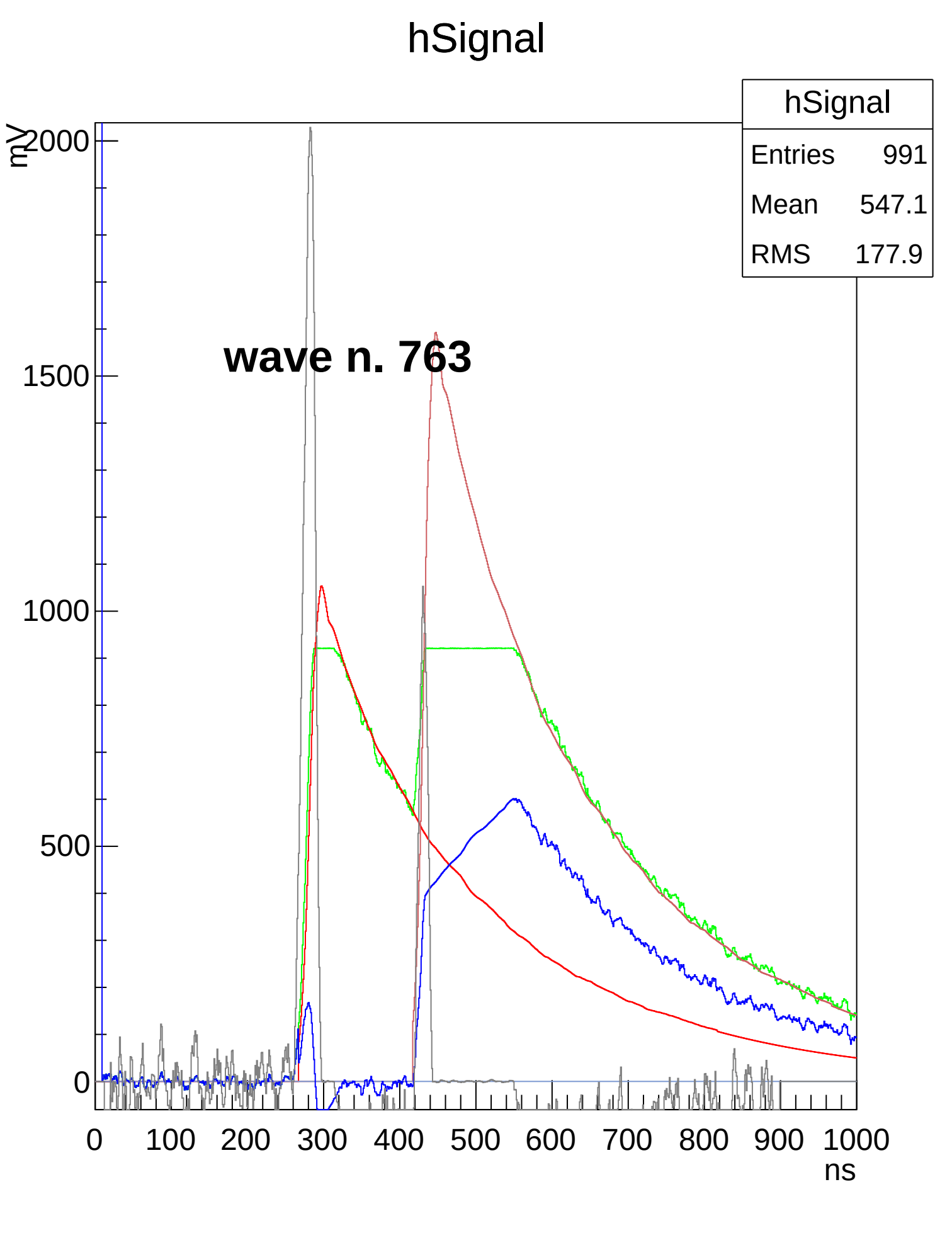

hSignal
hSignal
Entries 991
Mean 486.7
RMS 191.1
wave n. 758
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

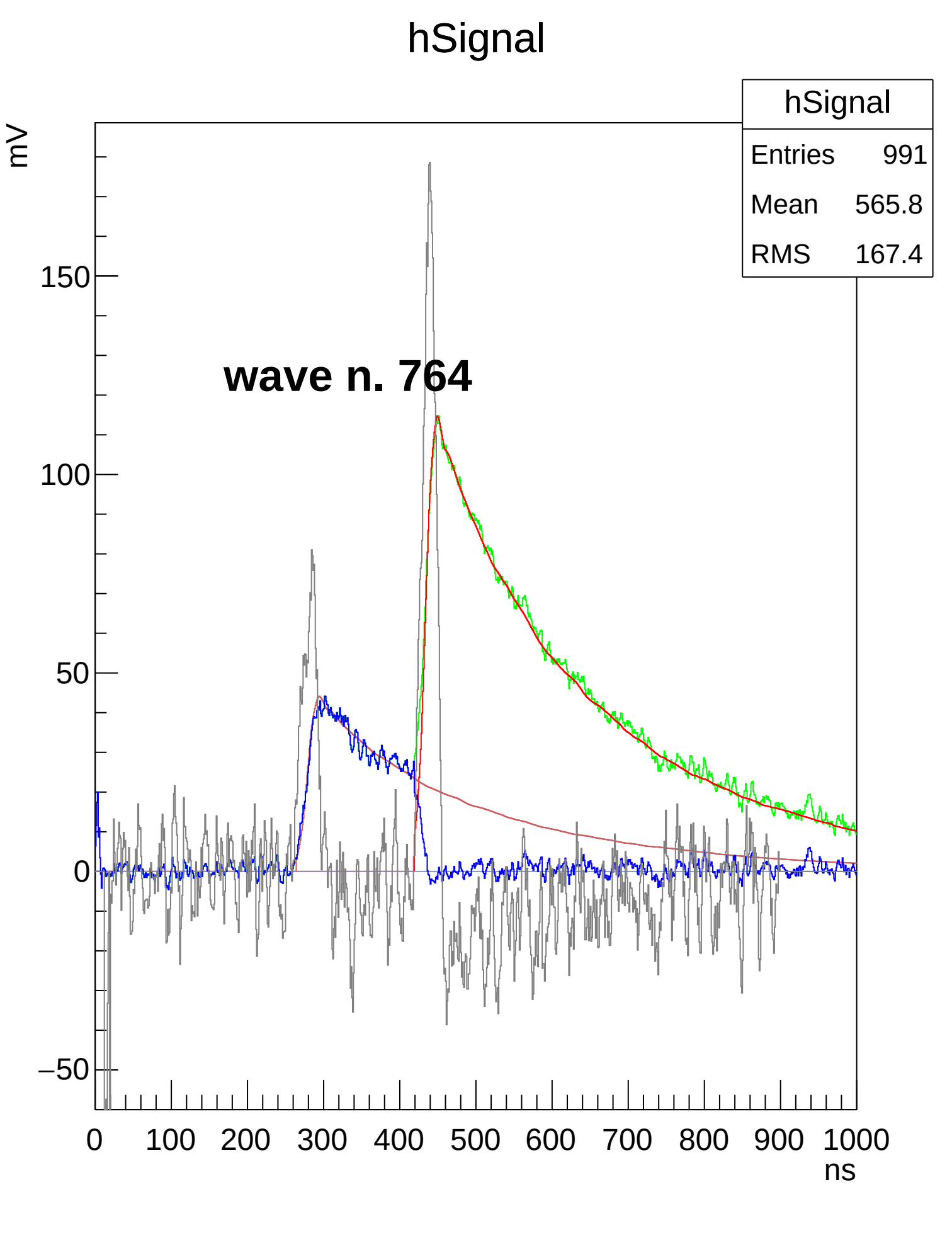

hSignal
hSignal
Entries 991
Mean 486.1
RMS 189.5
wave n. 759
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

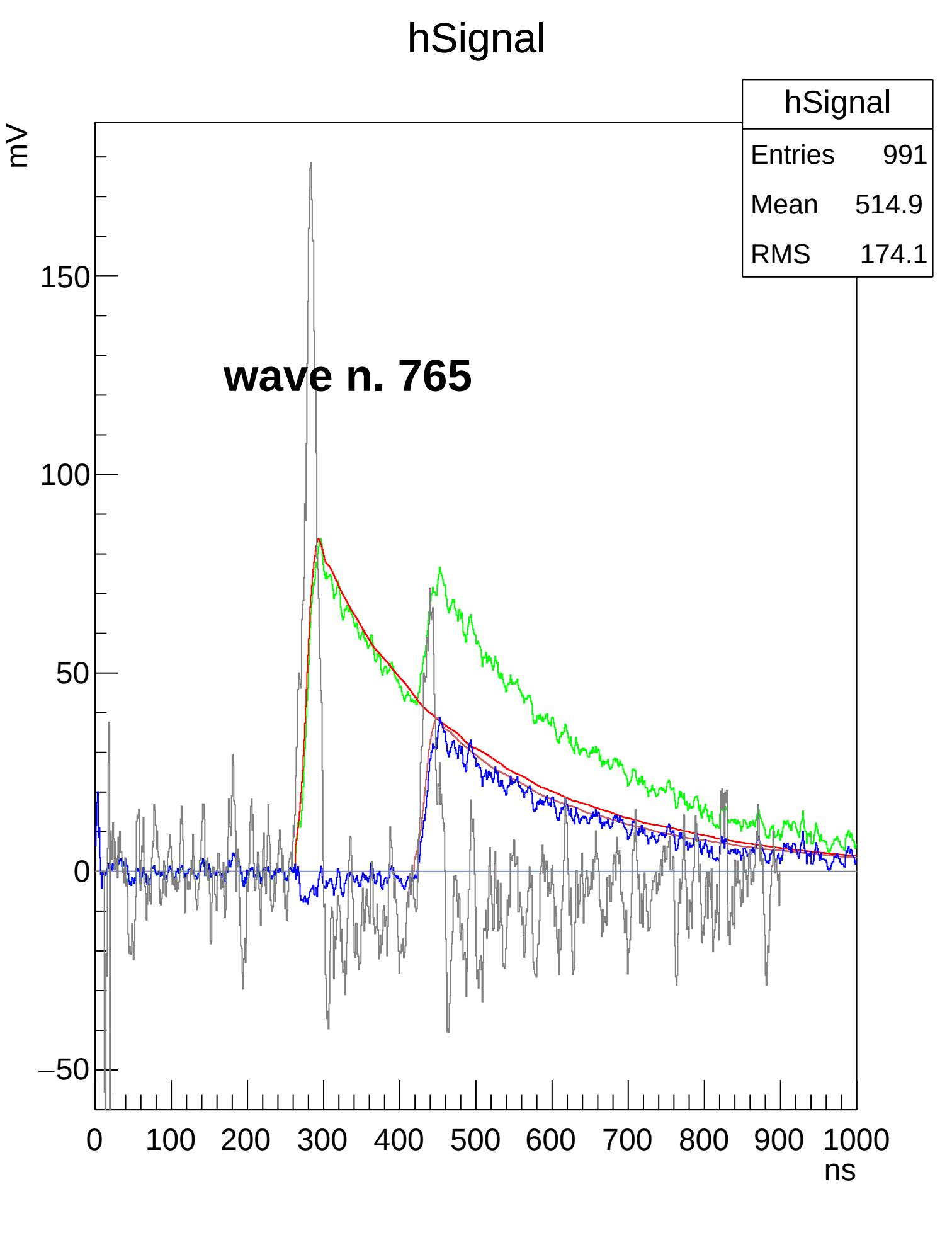

hSignal
hSignal
Entries 991
Mean 512.2
RMS 195.1
wave n. 760
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

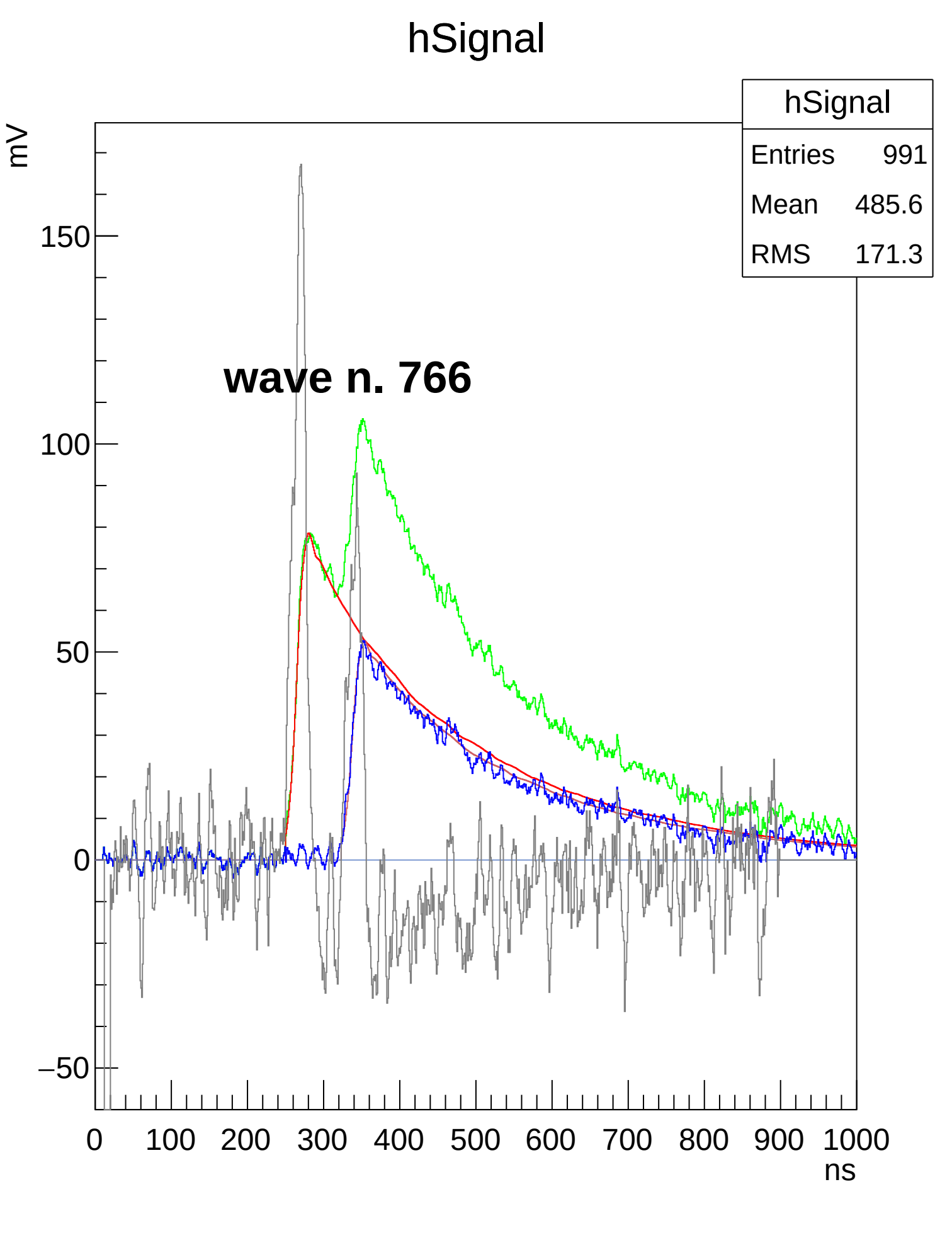

hSignal
hSignal
Entries 991
Mean 506
RMS 175.4
wave n. 761
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

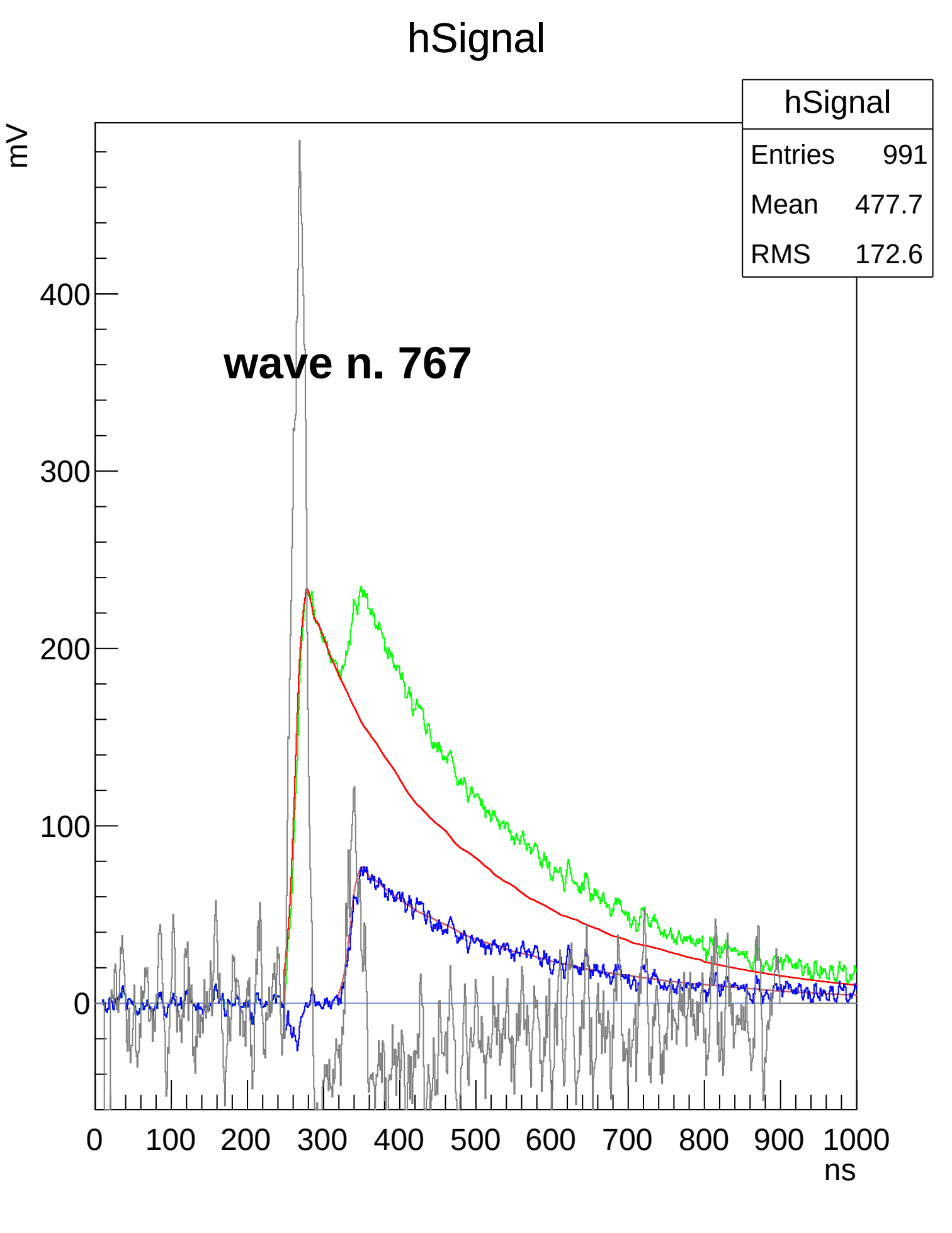

hSignal
hSignal
Entries 991
Mean 566.6
RMS 164.8
wave n. 762
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

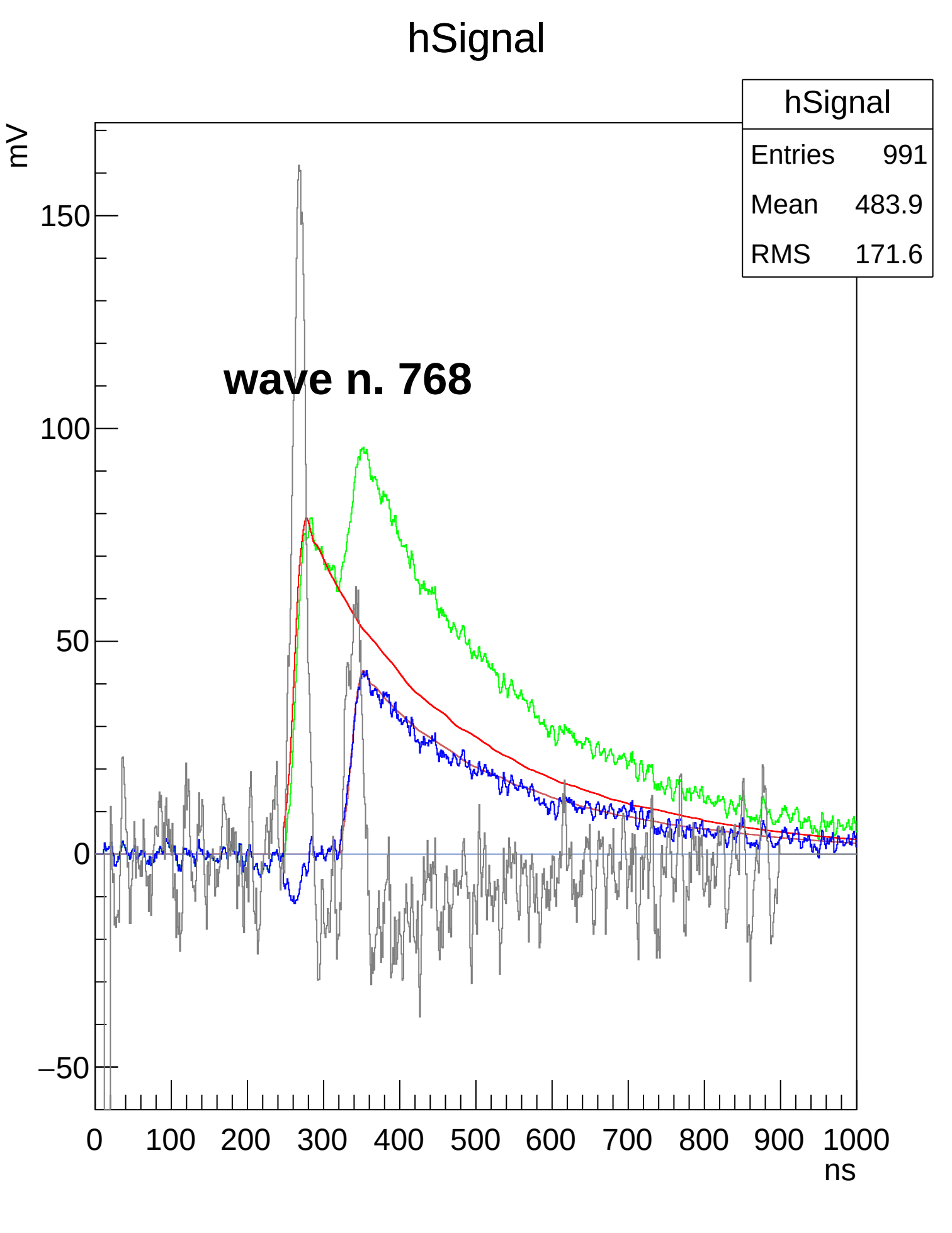

hSignal
hSignal
Entries 991
Mean 547.1
RMS 177.9
wave n. 763
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

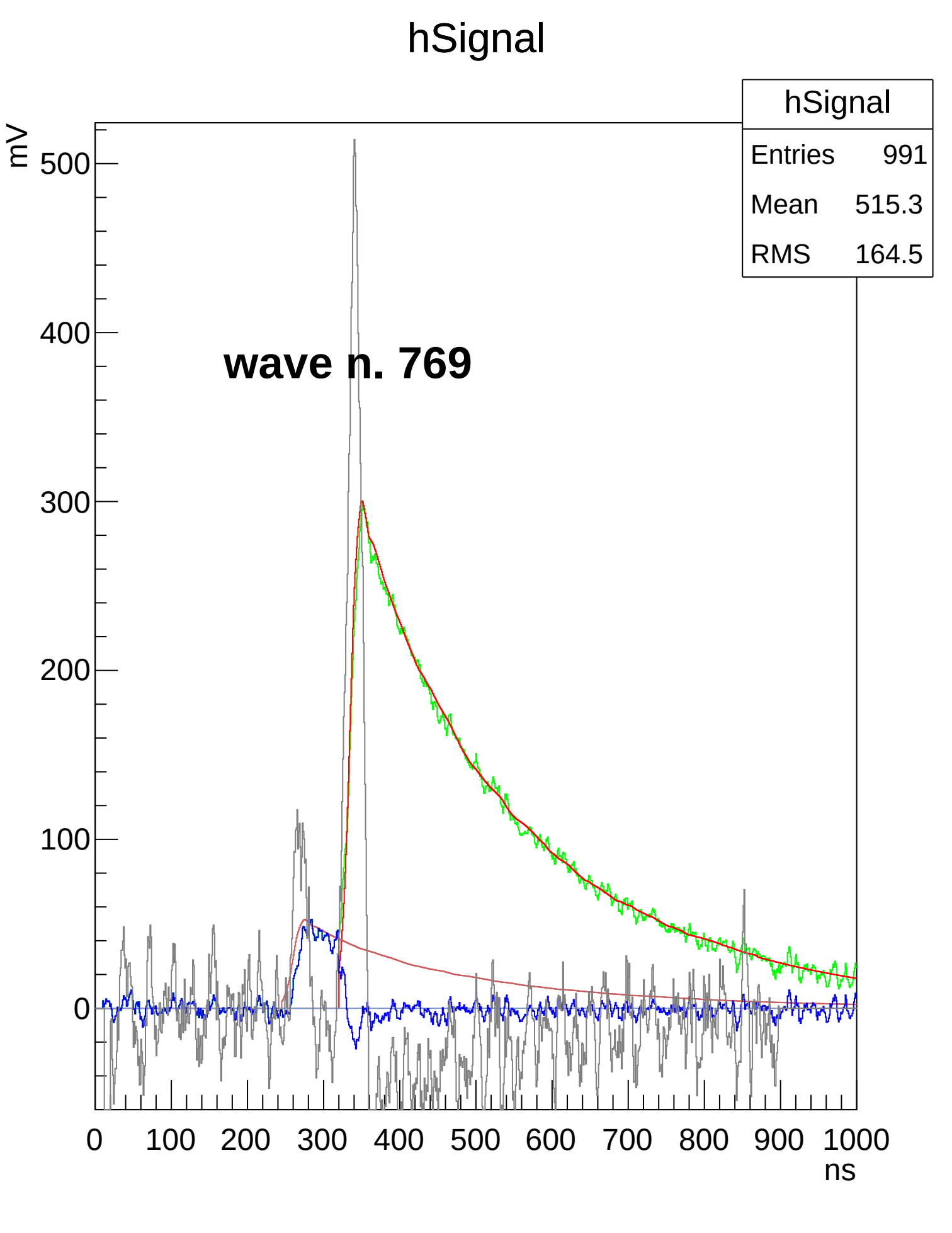

hSignal
hSignal
Entries 991
Mean 565.8
RMS 167.4
wave n. 764
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

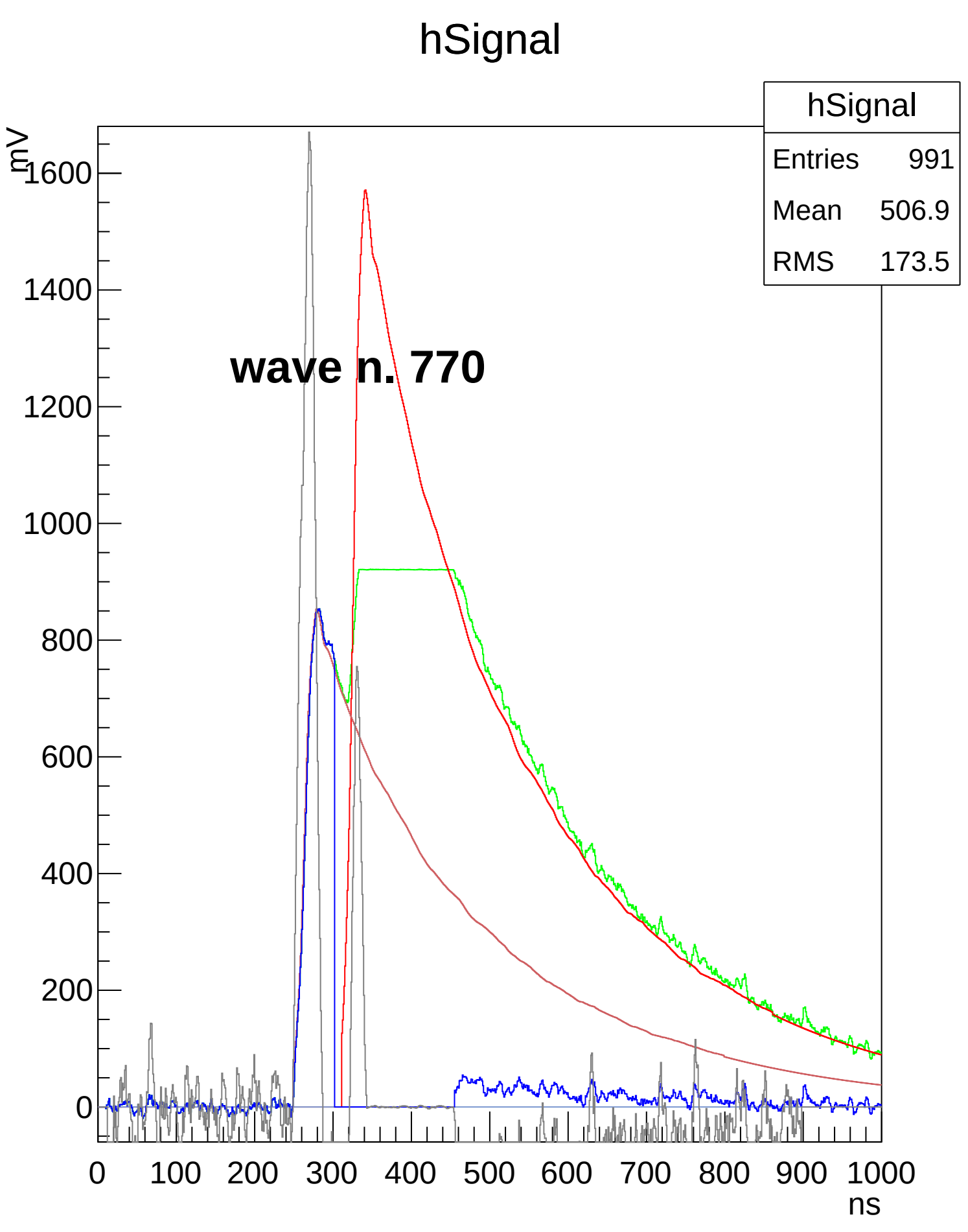

hSignal
hSignal
Entries 991
Mean 514.9
RMS 174.1
wave n. 765
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

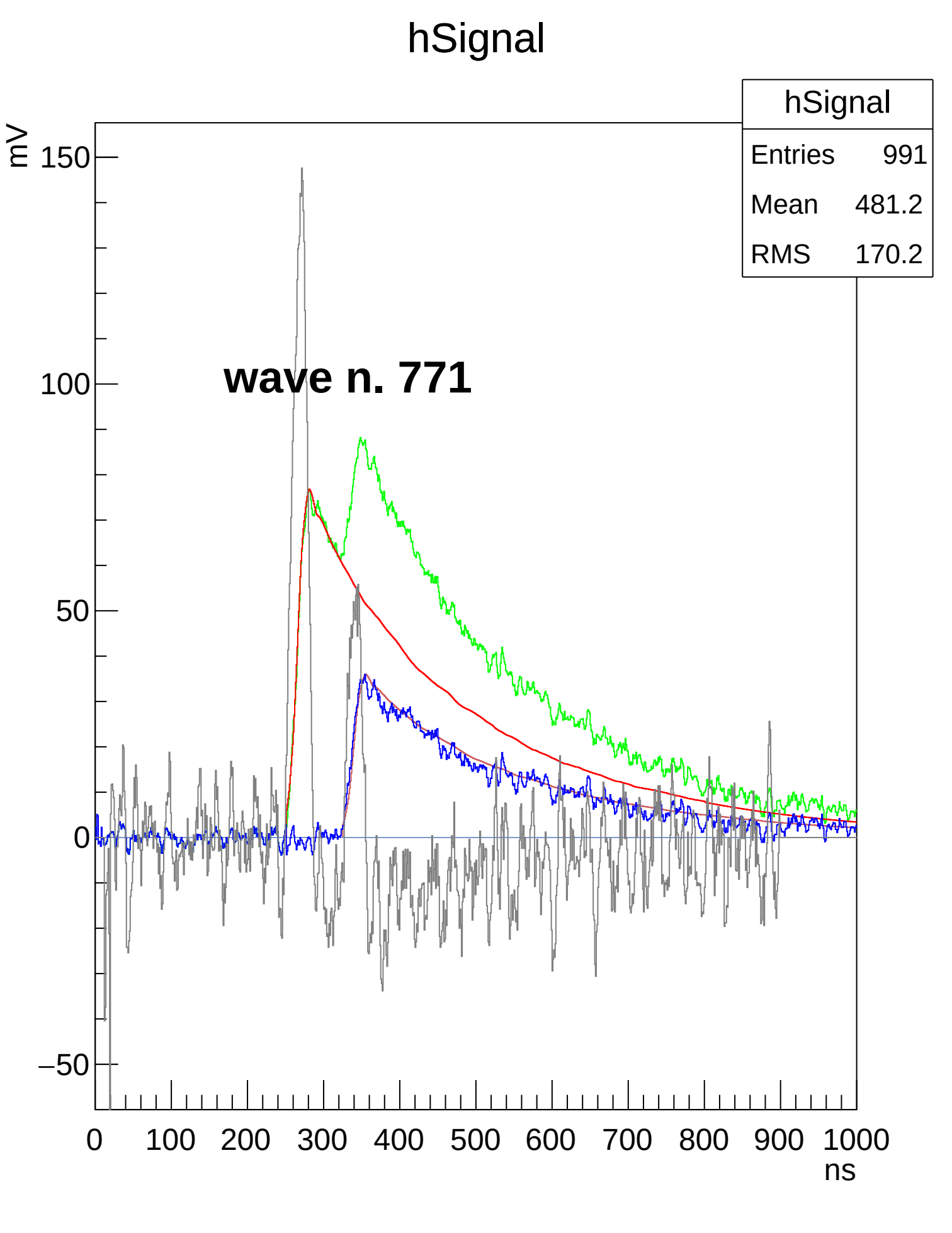

hSignal
hSignal
Entries 991
Mean 485.6
RMS 171.3
wave n. 766
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

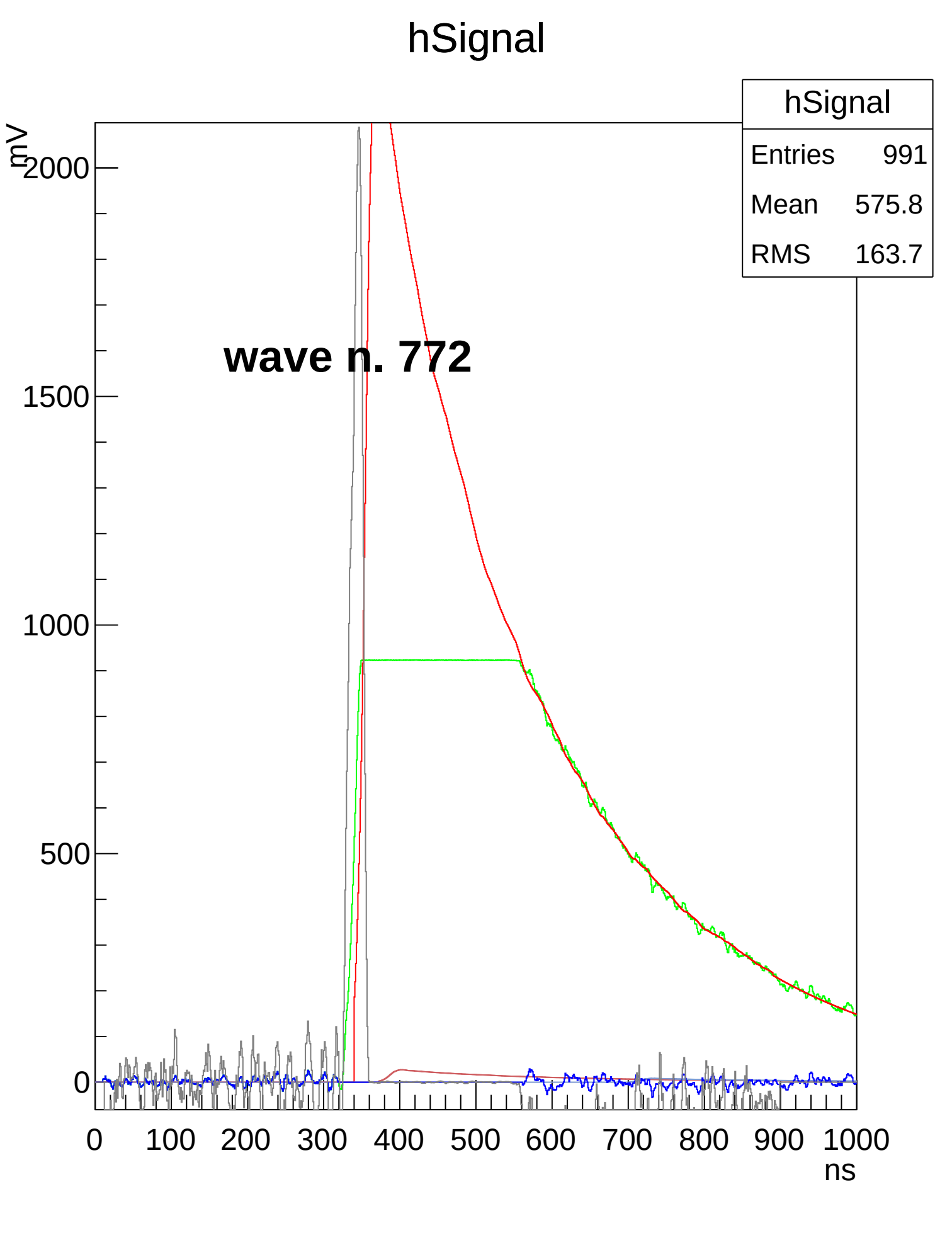

hSignal
hSignal
Entries 991
Mean 477.7
RMS 172.6
wave n. 767
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

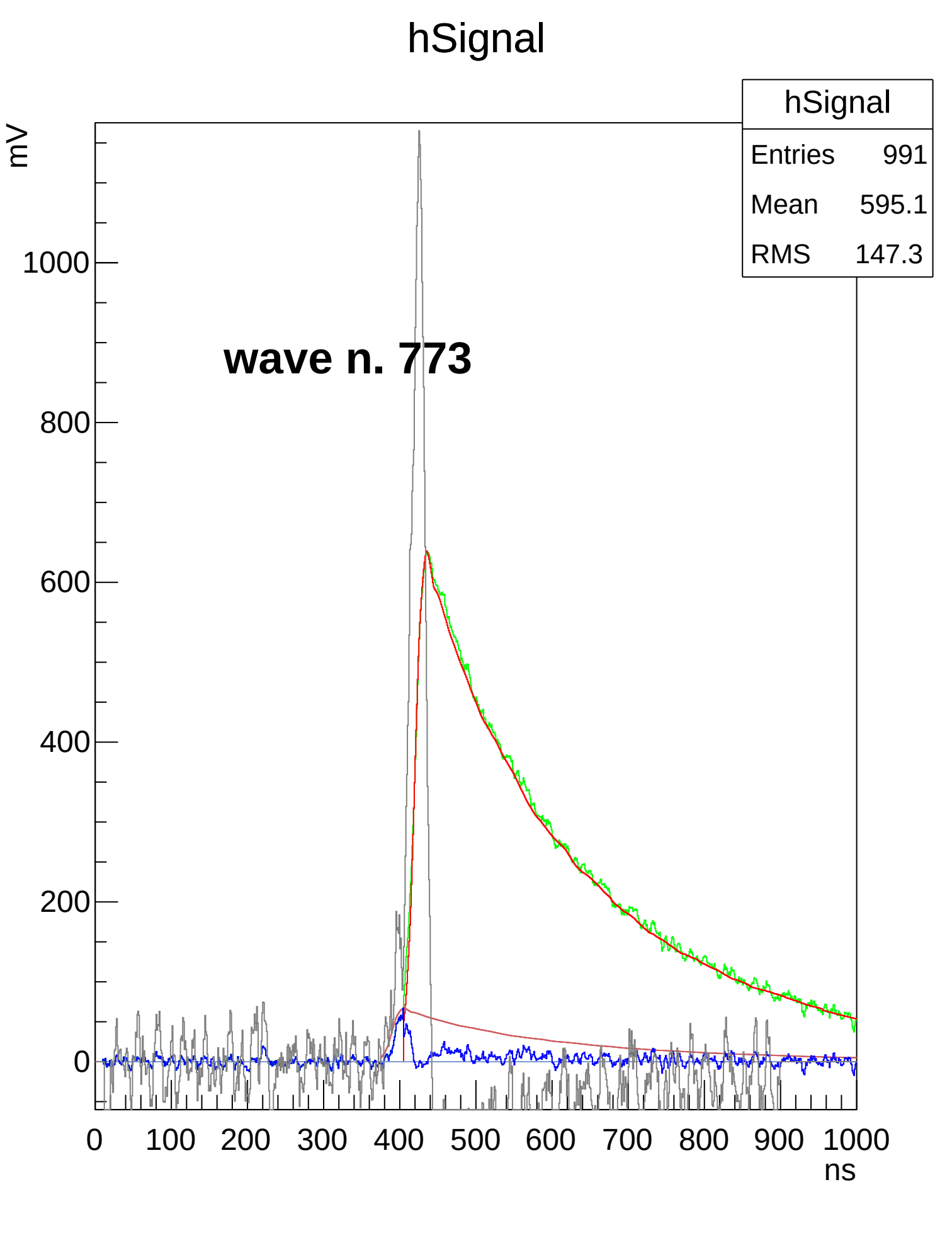

hSignal
hSignal
Entries 991
Mean 483.9
RMS 171.6
wave n. 768
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

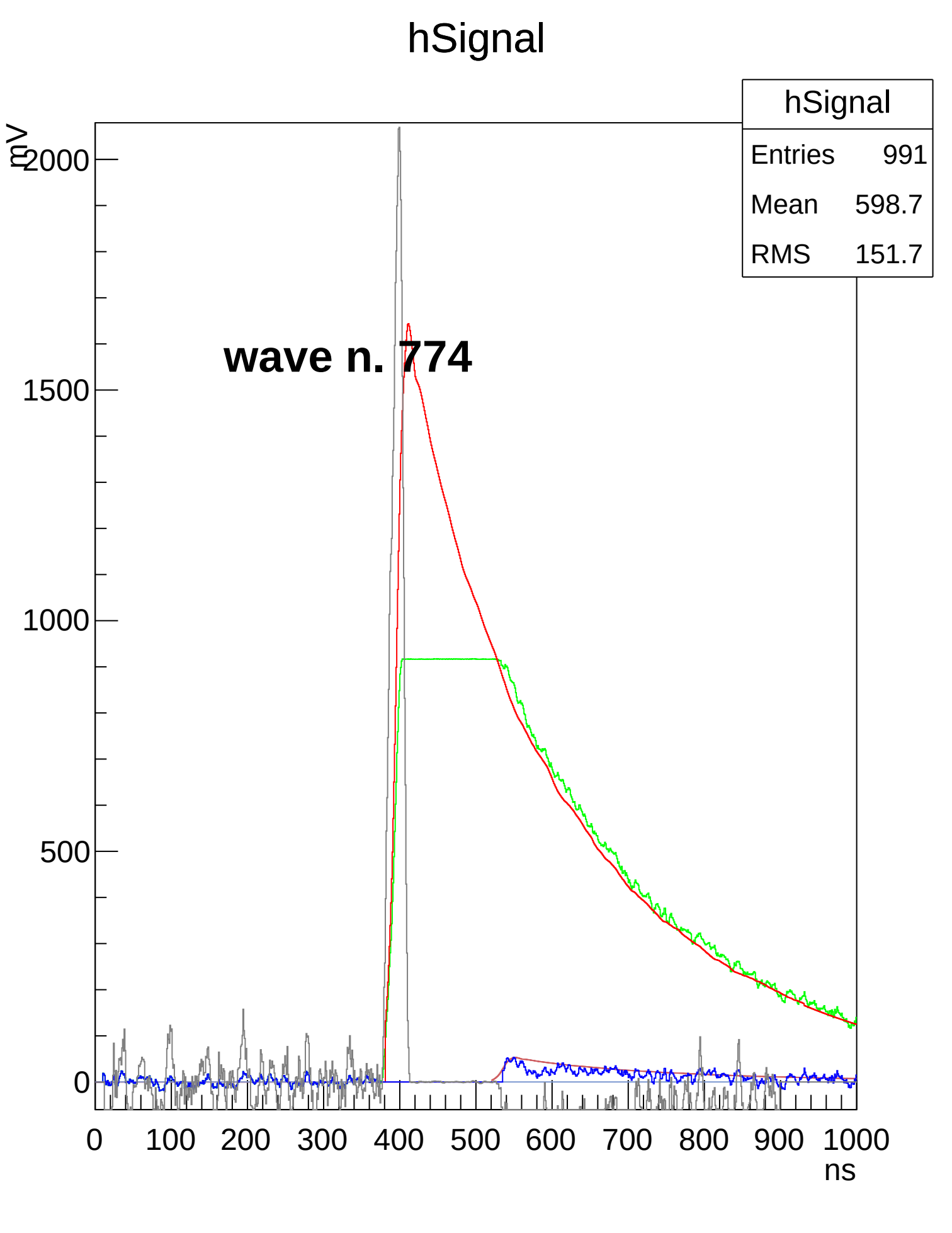

hSignal
hSignal
Entries 991
Mean 515.3
RMS 164.5
wave n. 769
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

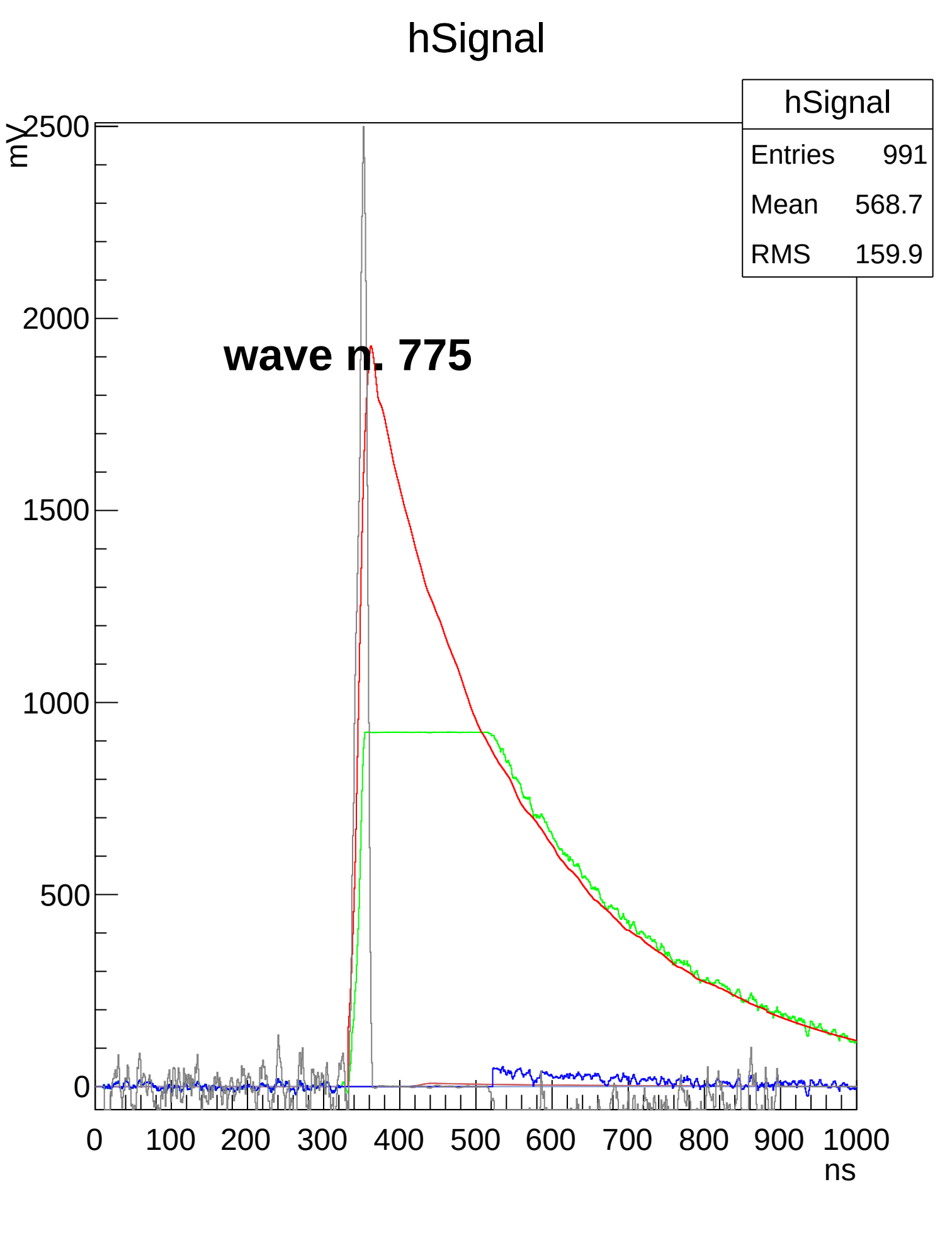

hSignal
hSignal
Entries 991
Mean 506.9
RMS 173.5
wave n. 770
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

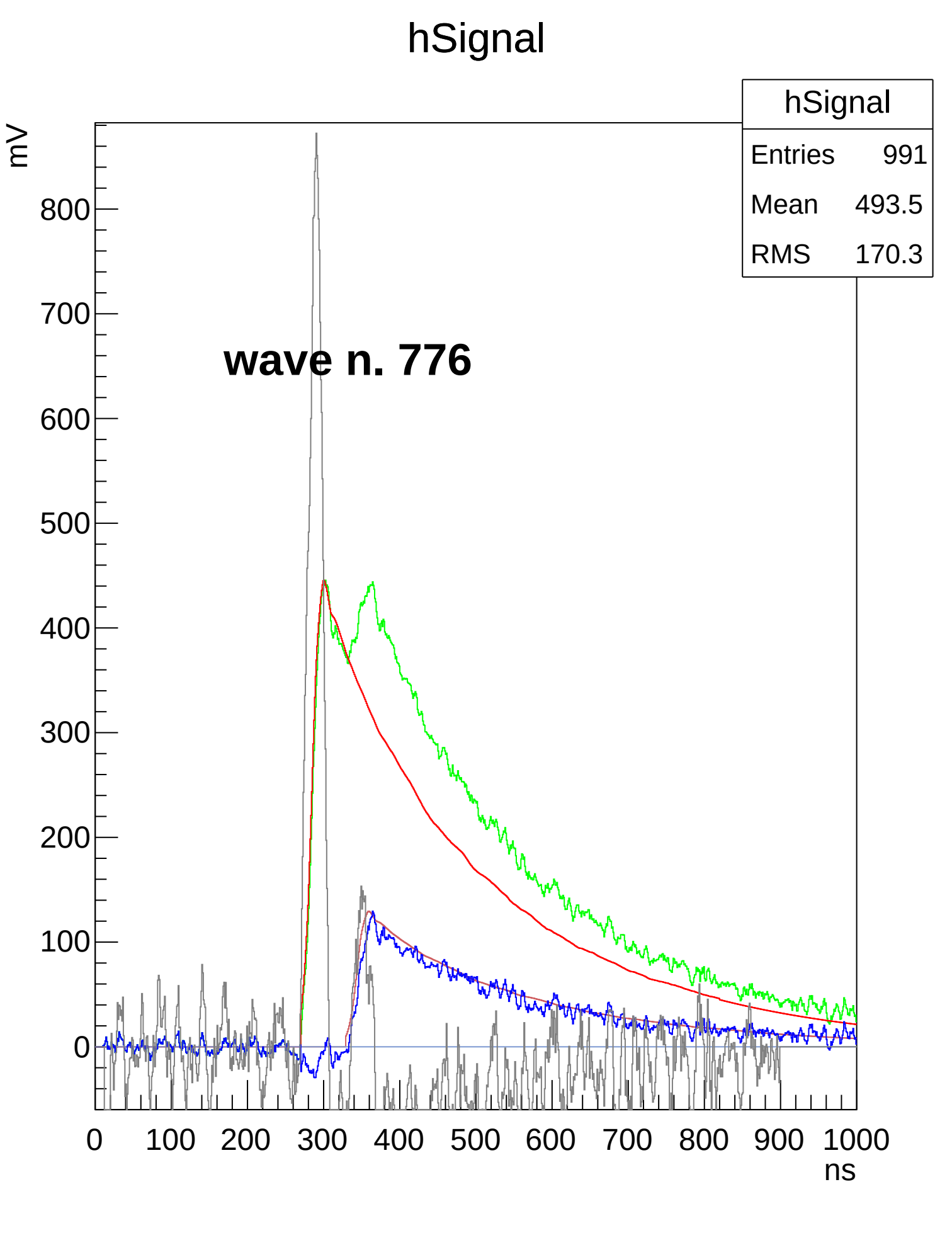

hSignal
hSignal
Entries 991
Mean 481.2
RMS 170.2
wave n. 771
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

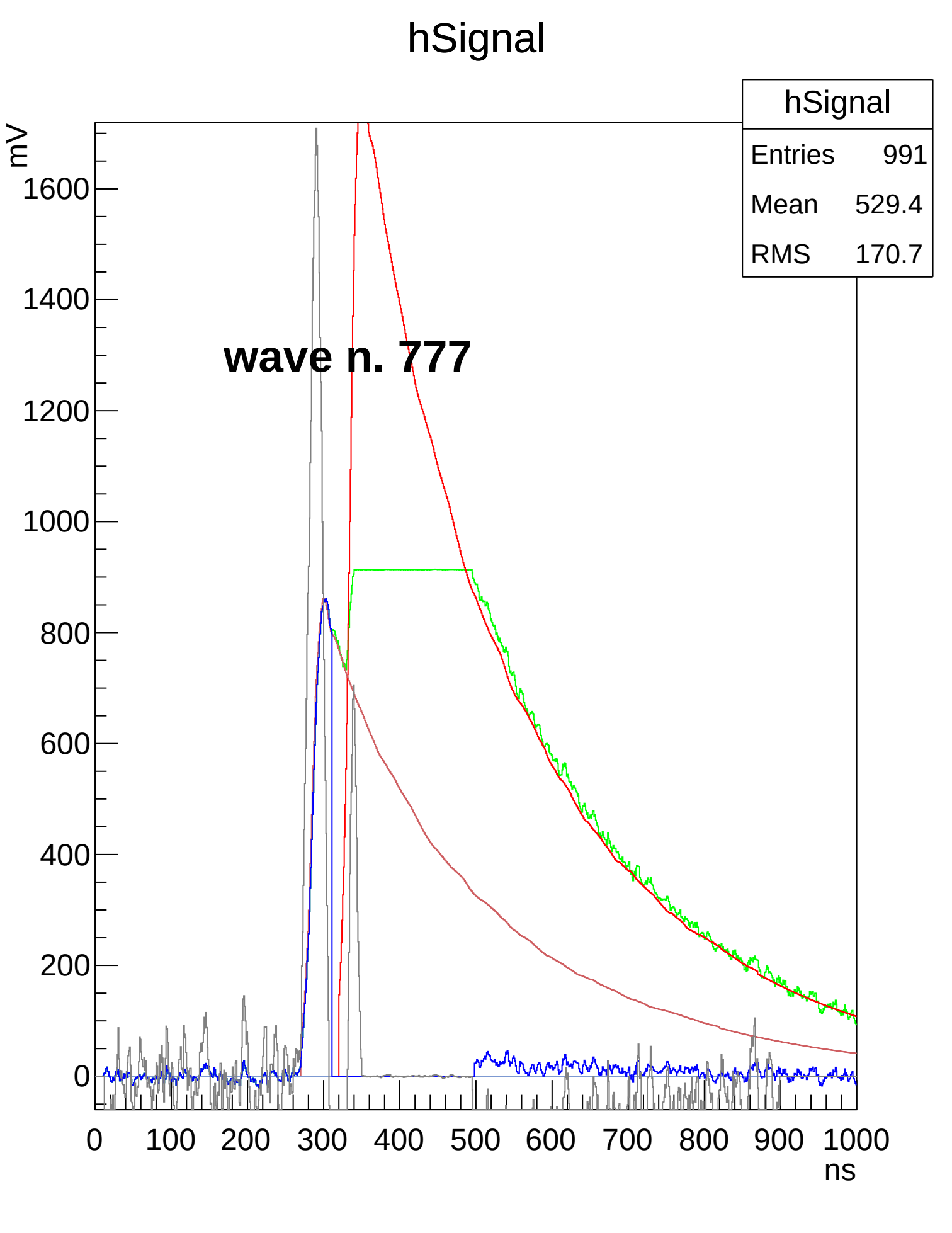

hSignal
hSignal
Entries 991
Mean 575.8
RMS 163.7
wave n. 772
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

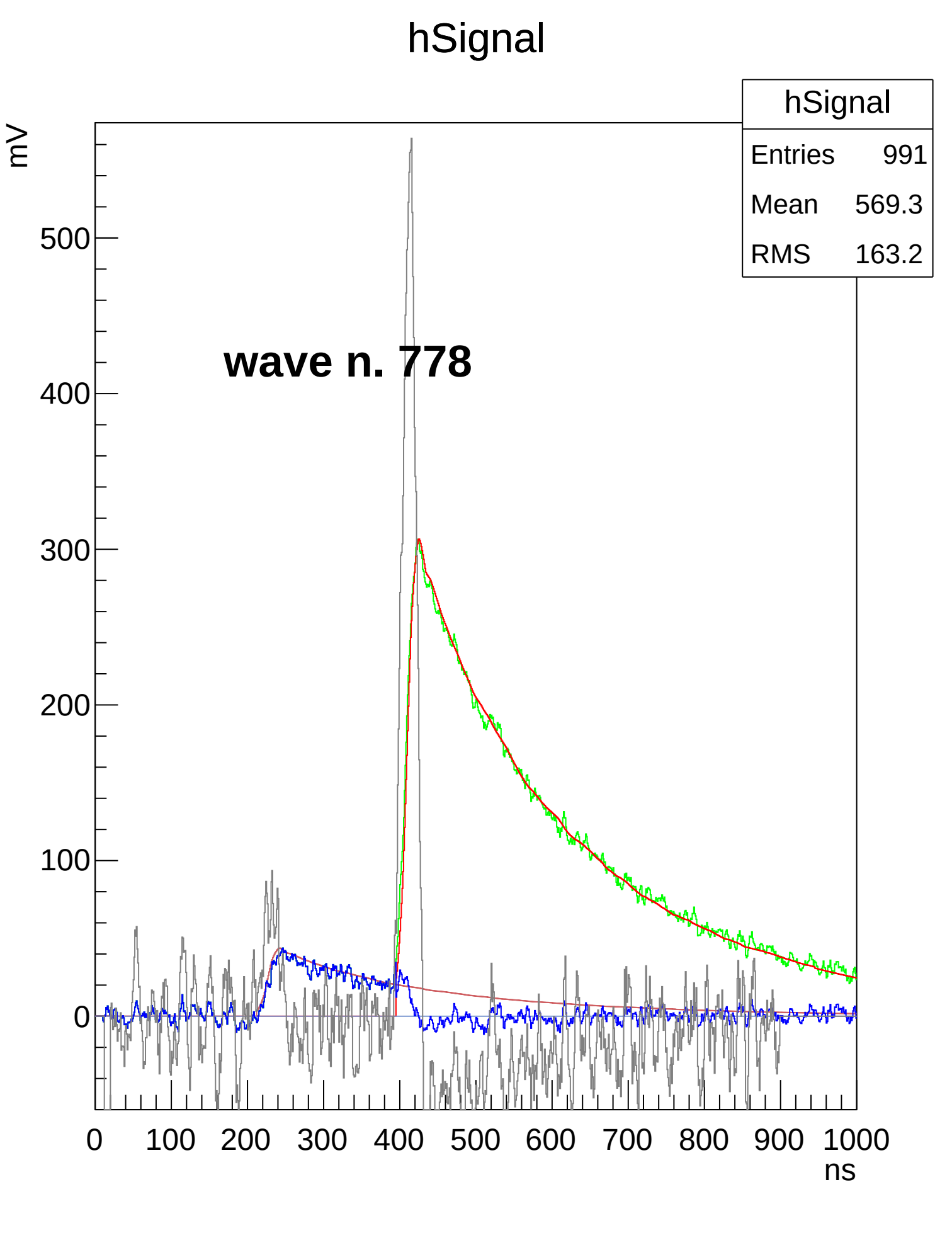

hSignal
hSignal
Entries 991
Mean 595.1
RMS 147.3
wave n. 773
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

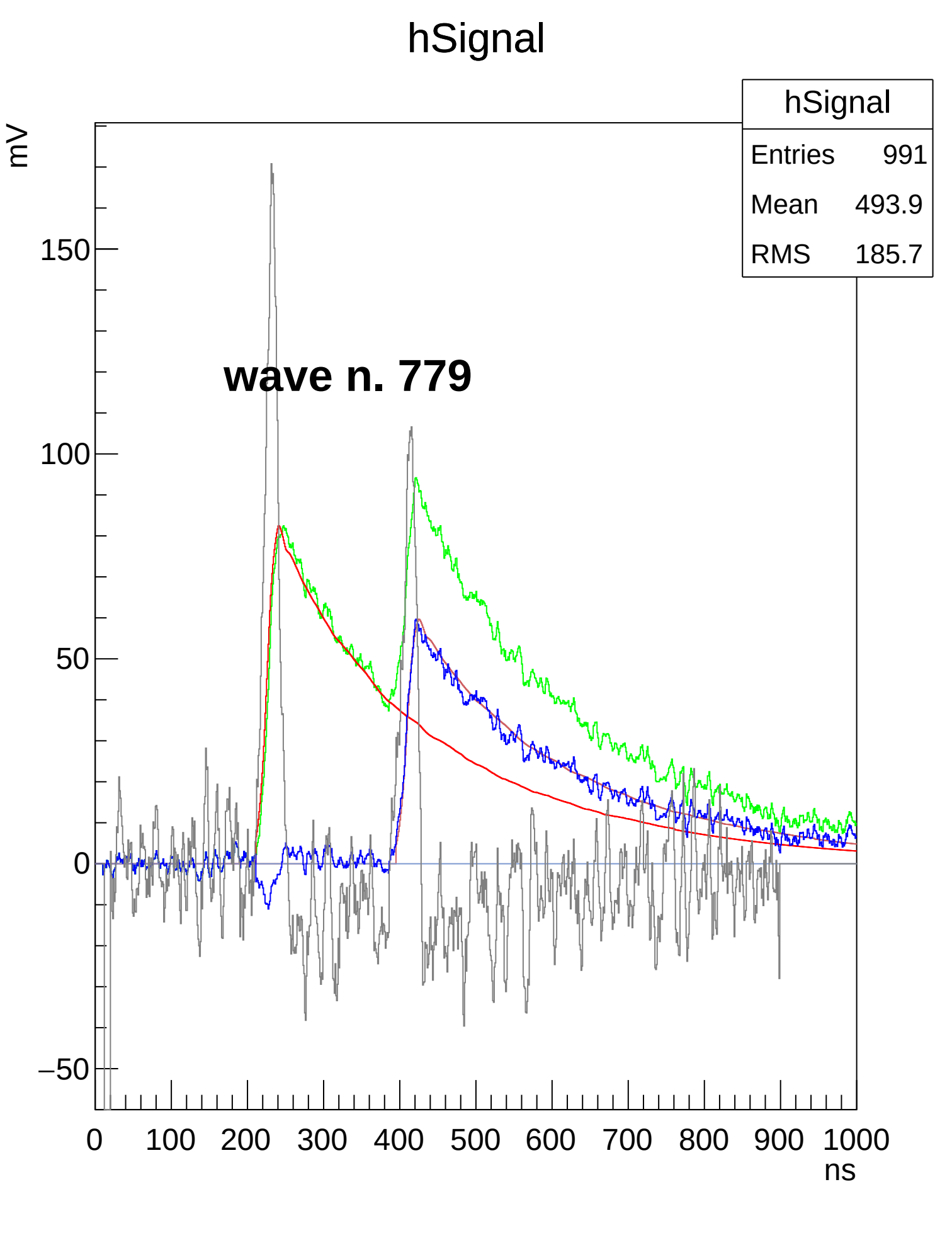

hSignal
hSignal
Entries 991
Mean 598.7
RMS 151.7
wave n. 774
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

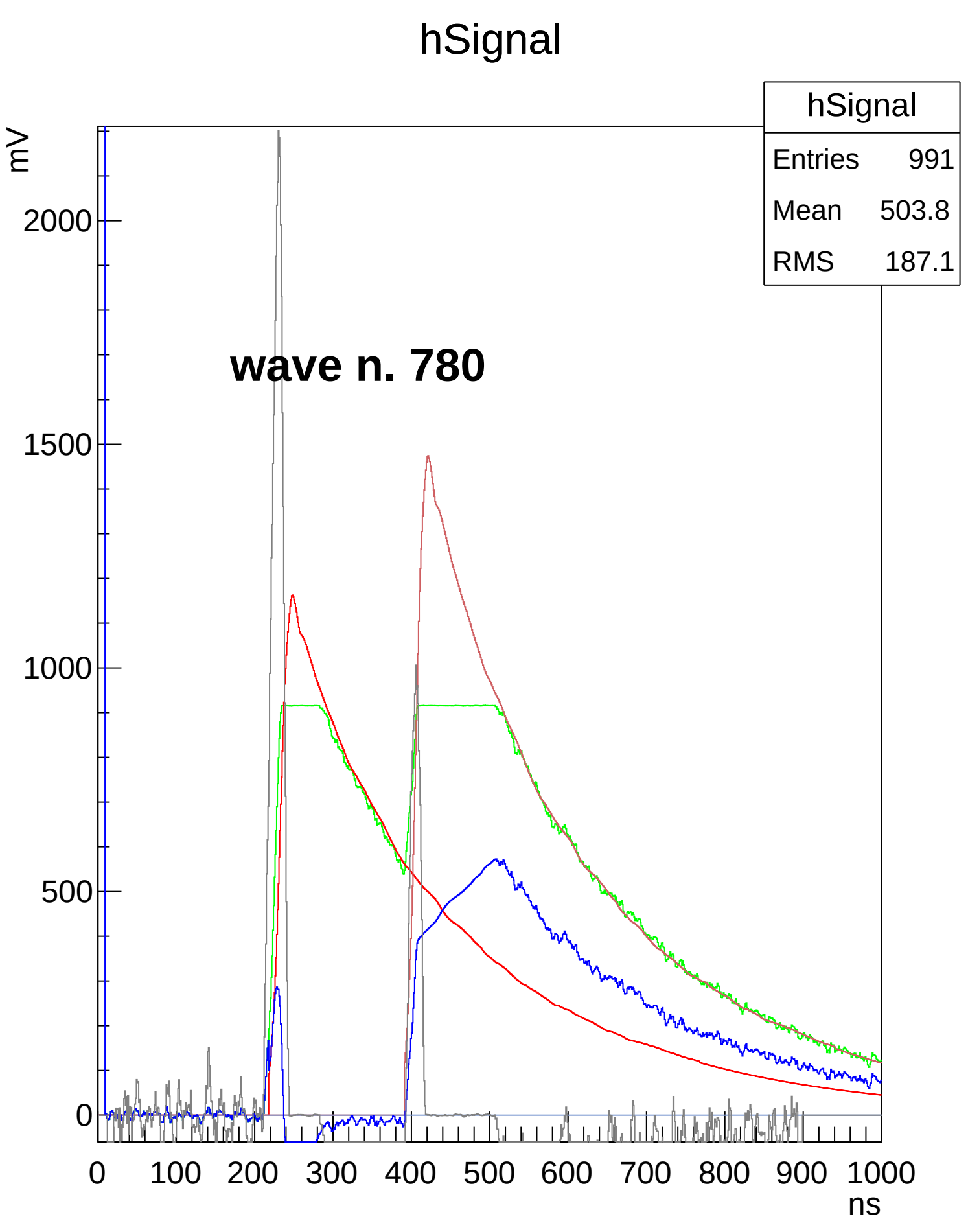

hSignal
hSignal
Entries 991
Mean 568.7
RMS 159.9
wave n. 775
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

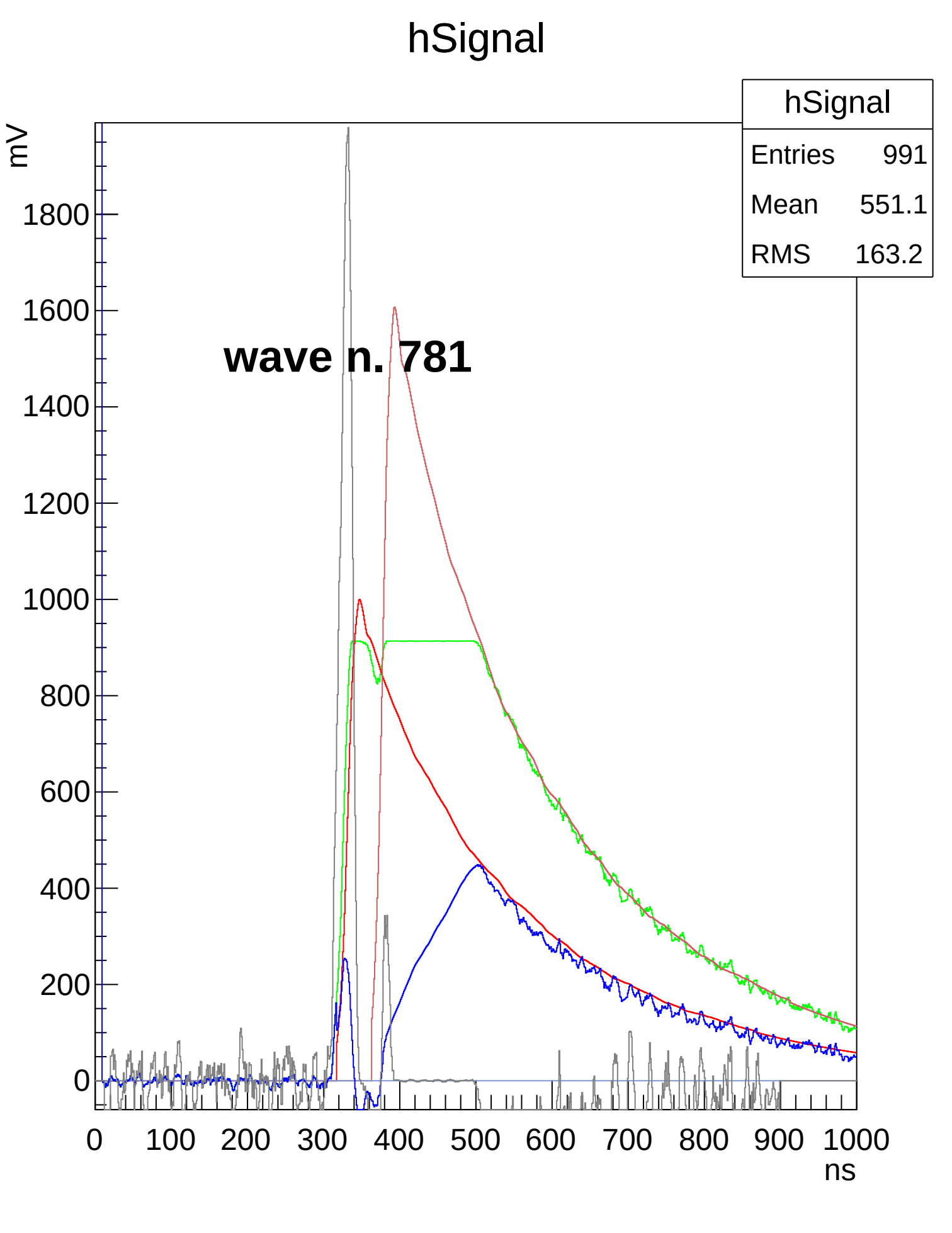

hSignal
hSignal
Entries 991
Mean 493.5
RMS 170.3
wave n. 776
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

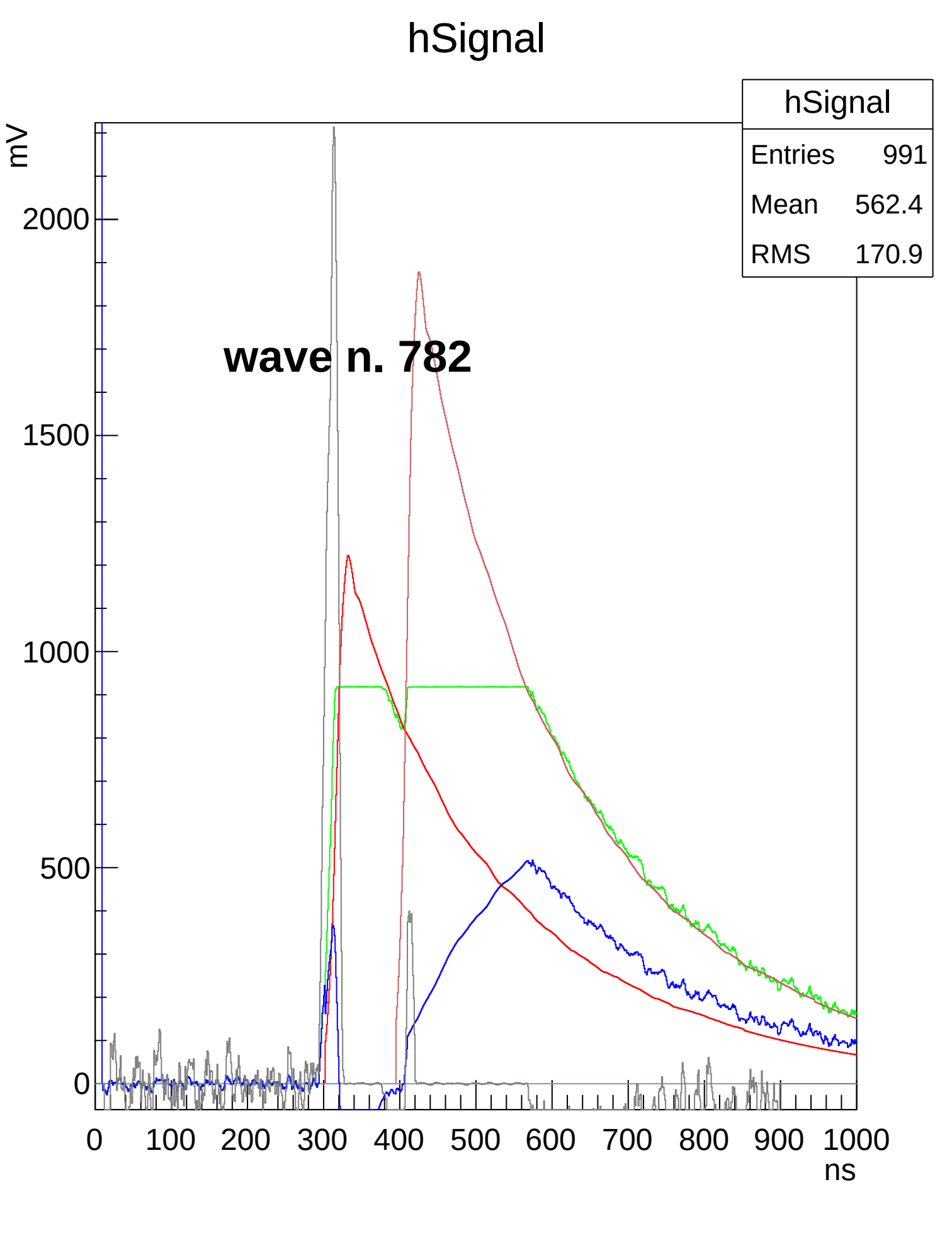

hSignal
hSignal
Entries 991
Mean 529.4
RMS 170.7
wave n. 777
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

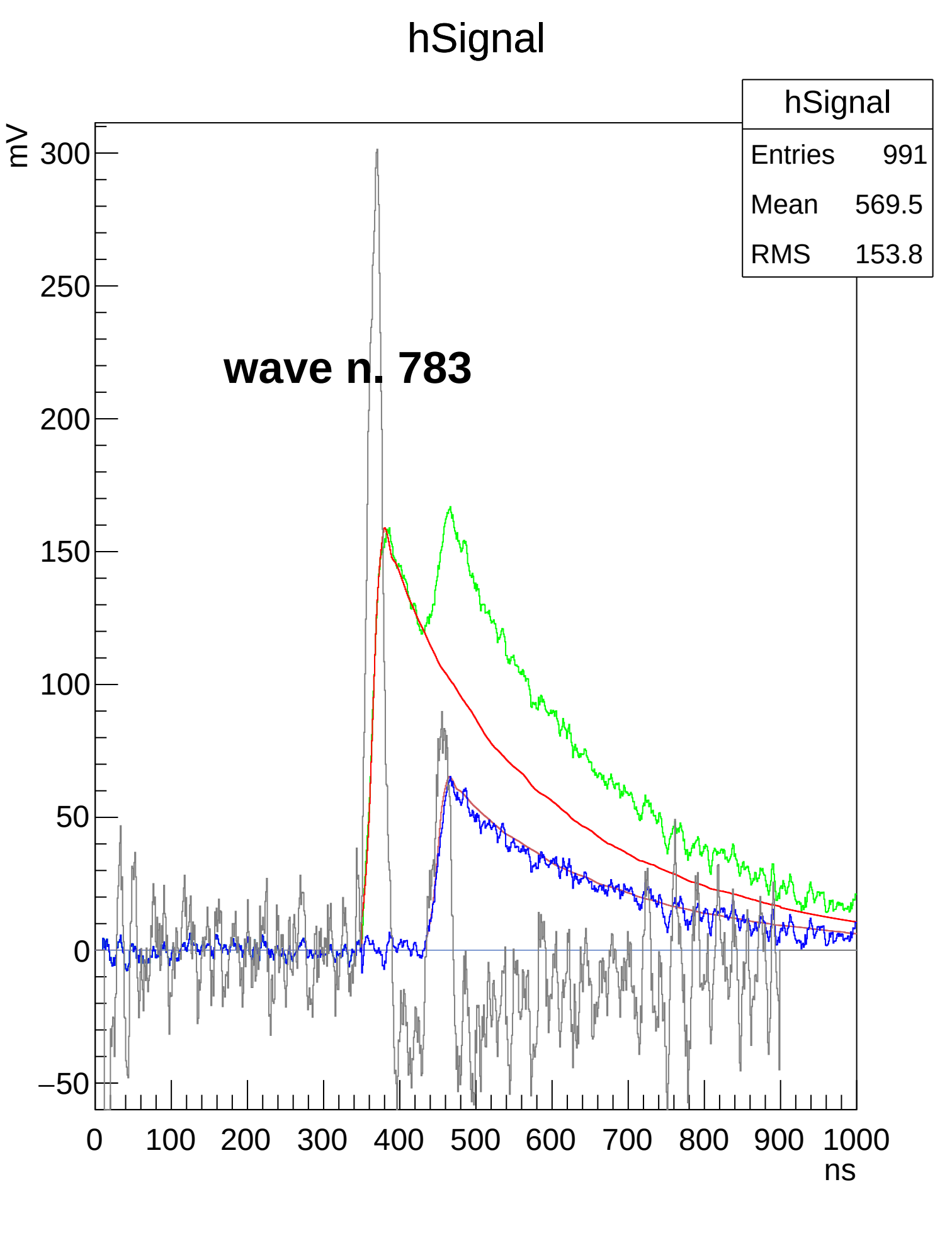

hSignal
hSignal
Entries 991
Mean 569.3
RMS 163.2
wave n. 778
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

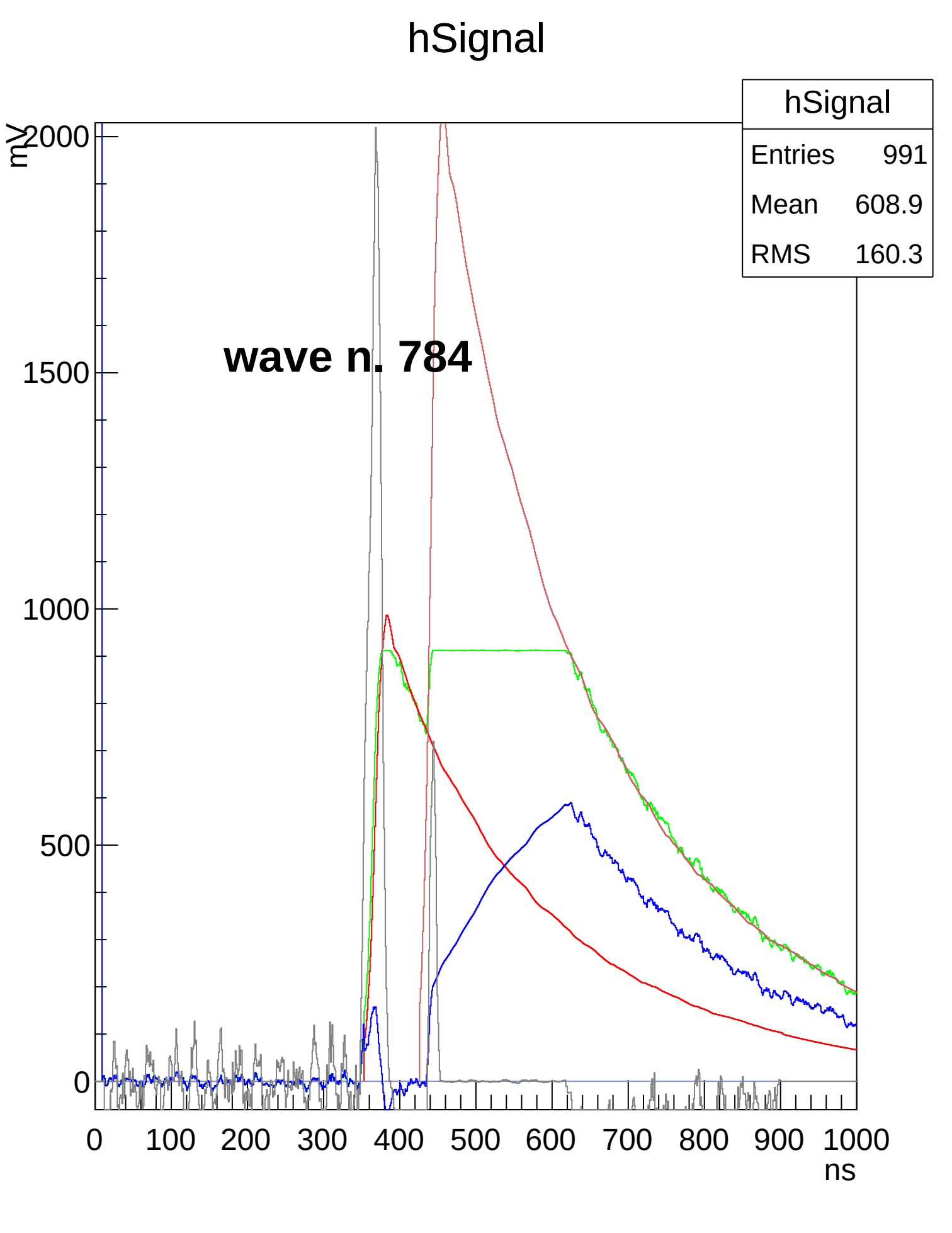

hSignal
hSignal
Entries 991
Mean 493.9
RMS 185.7
wave n. 779
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

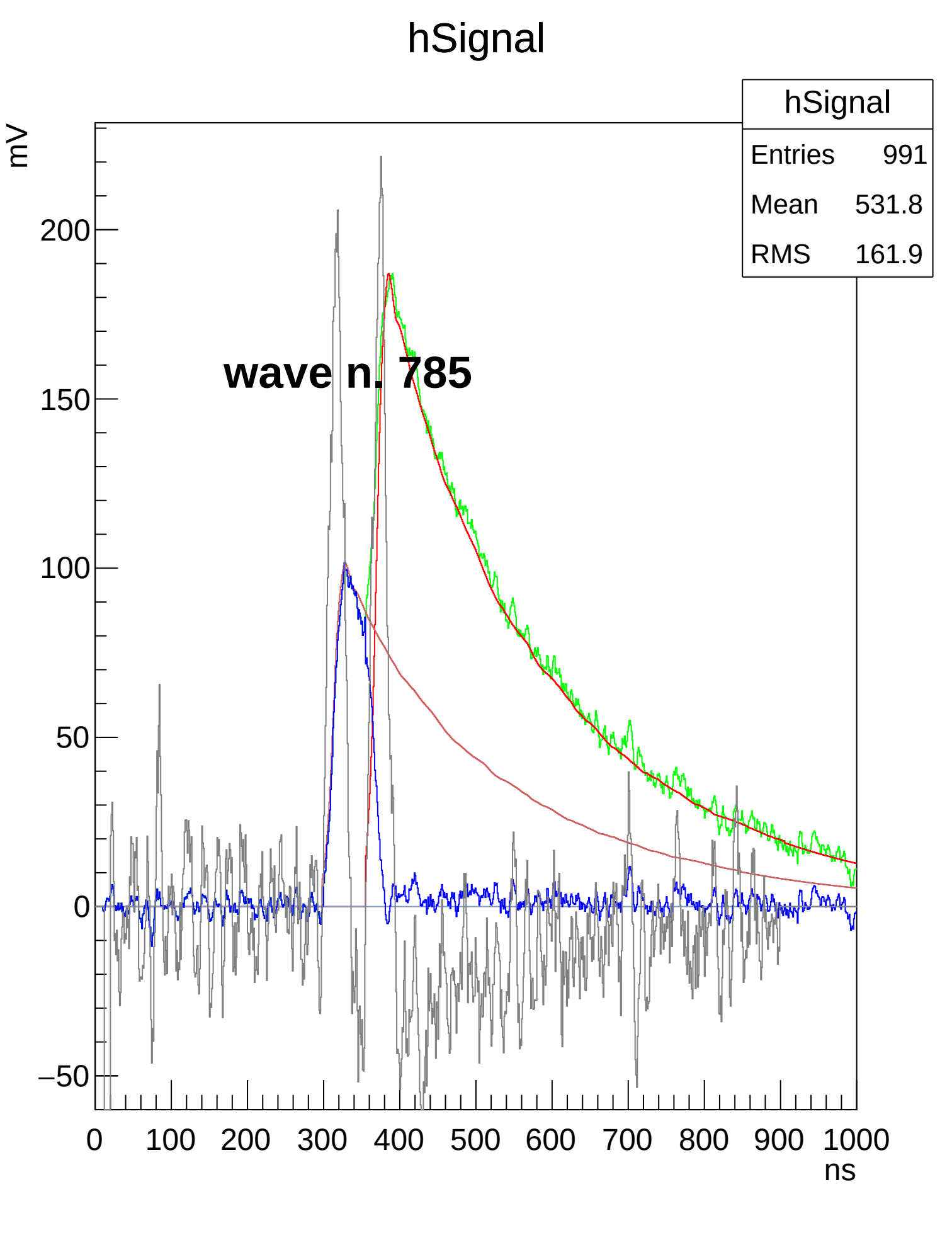

hSignal
hSignal
Entries 991
Mean 503.8
RMS 187.1
wave n. 780
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

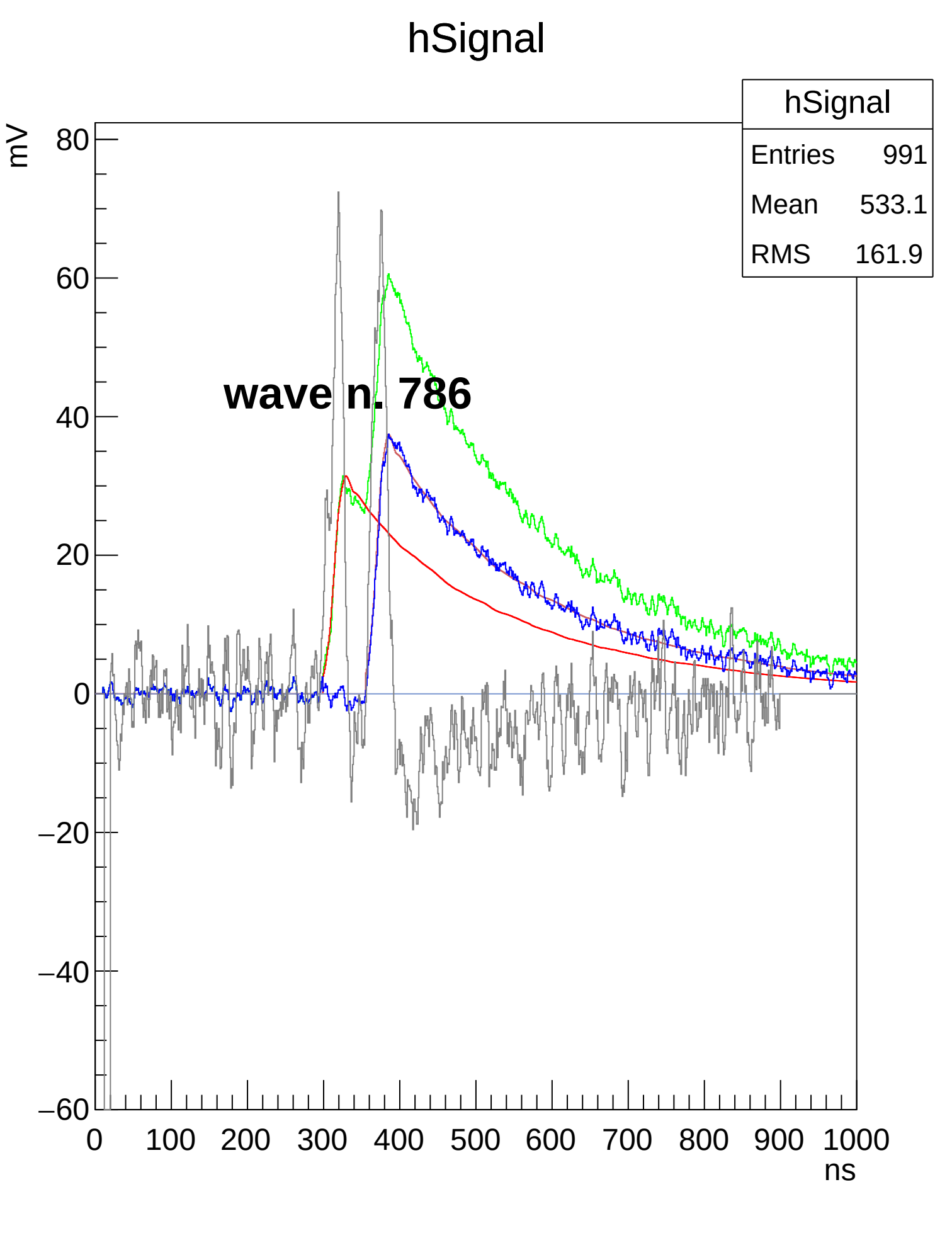

hSignal
hSignal
Entries 991
Mean 551.1
RMS 163.2
wave n. 781
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

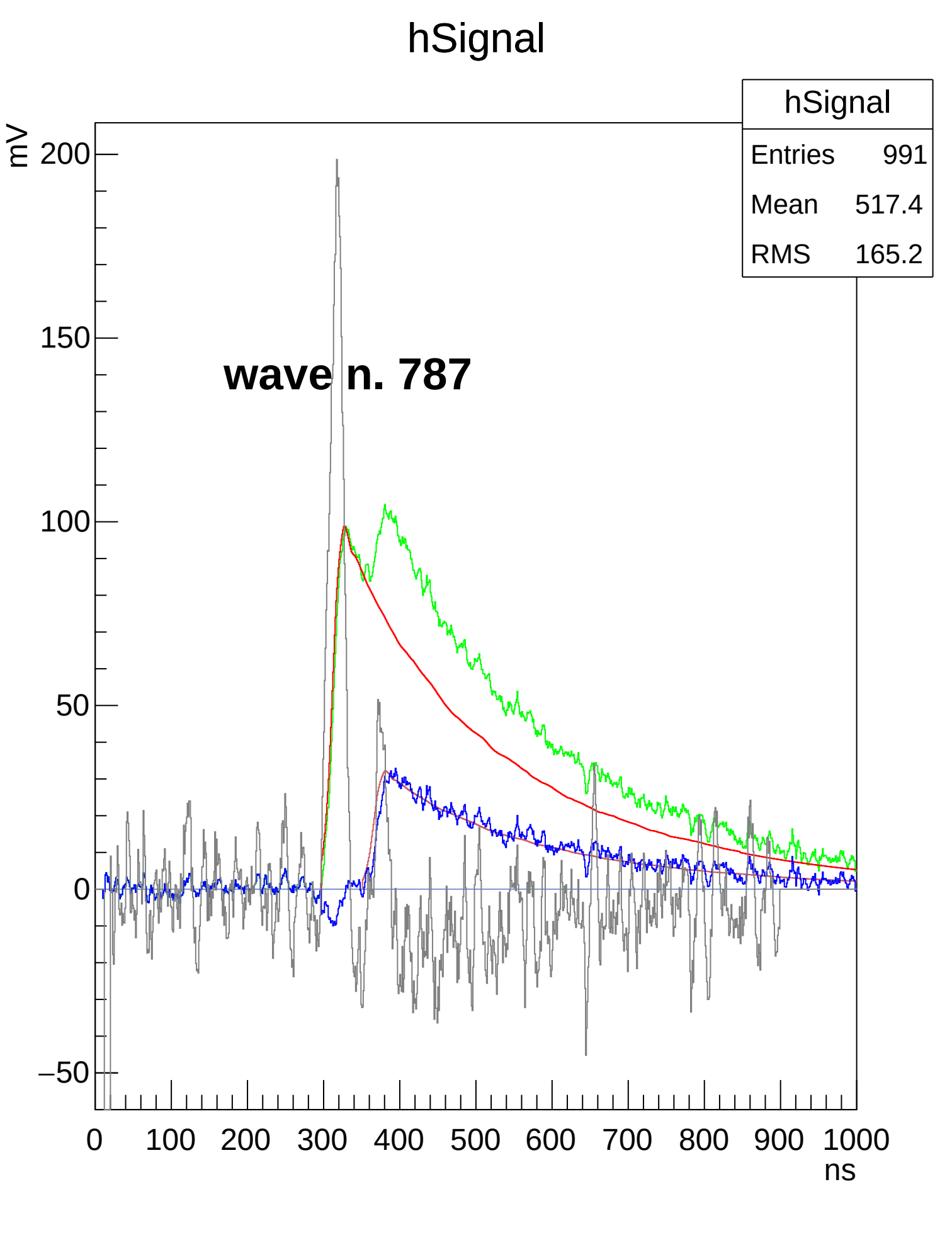

hSignal
hSignal
Entries 991
Mean 562.4
RMS 170.9
wave n. 782
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

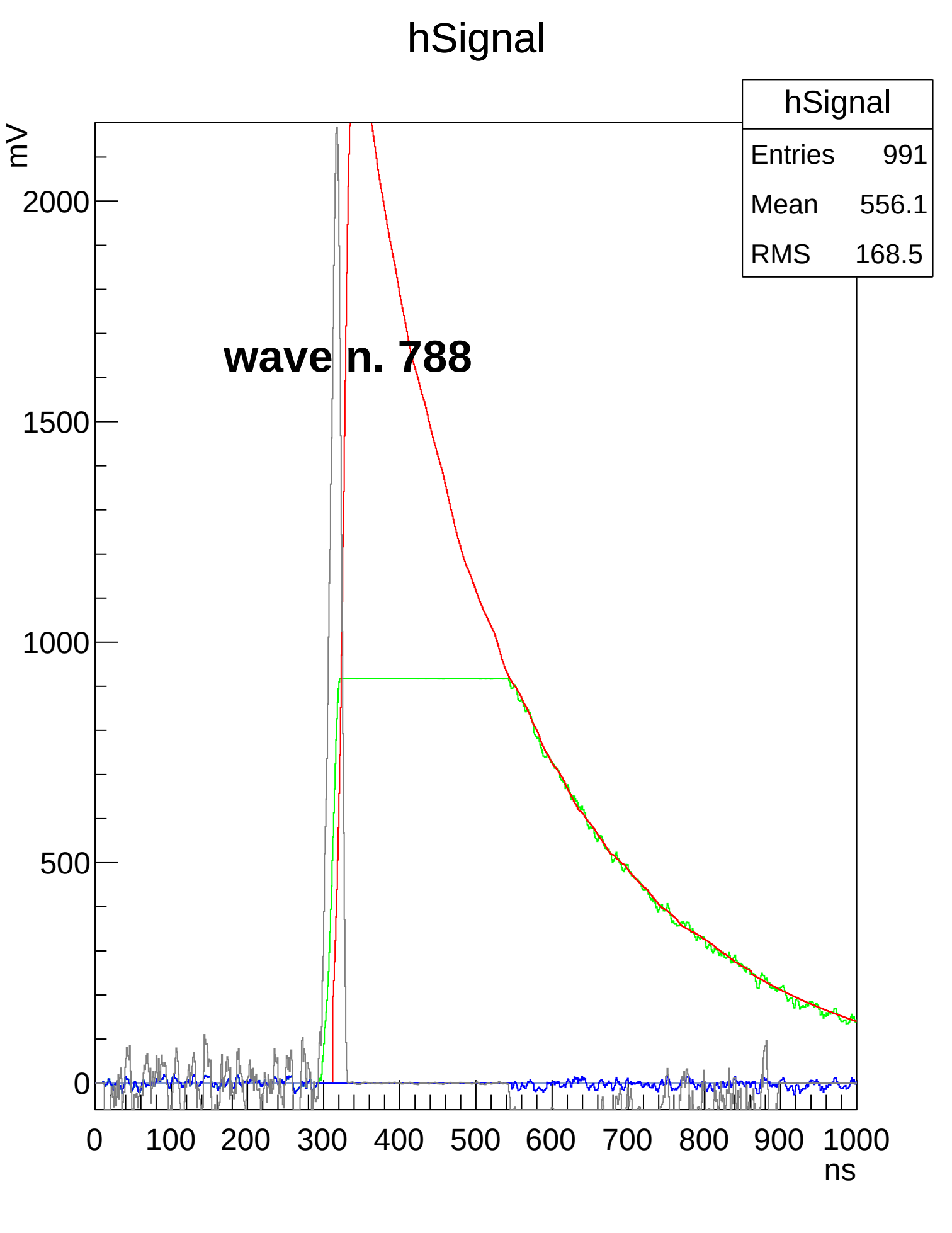

hSignal
hSignal
Entries 991
Mean 569.5
RMS 153.8
wave n. 783
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

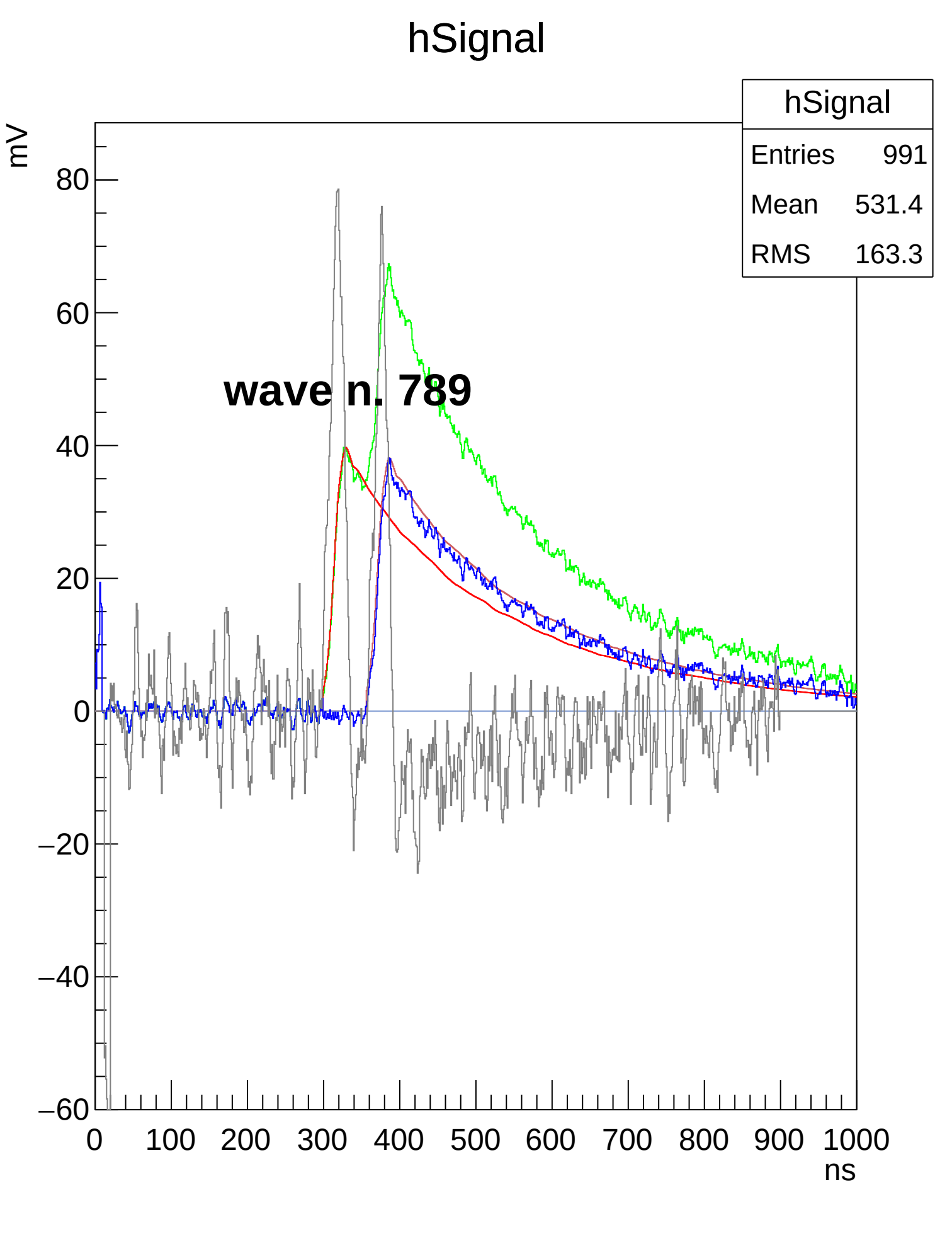

hSignal
hSignal
Entries 991
Mean 608.9
RMS 160.3
wave n. 784
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

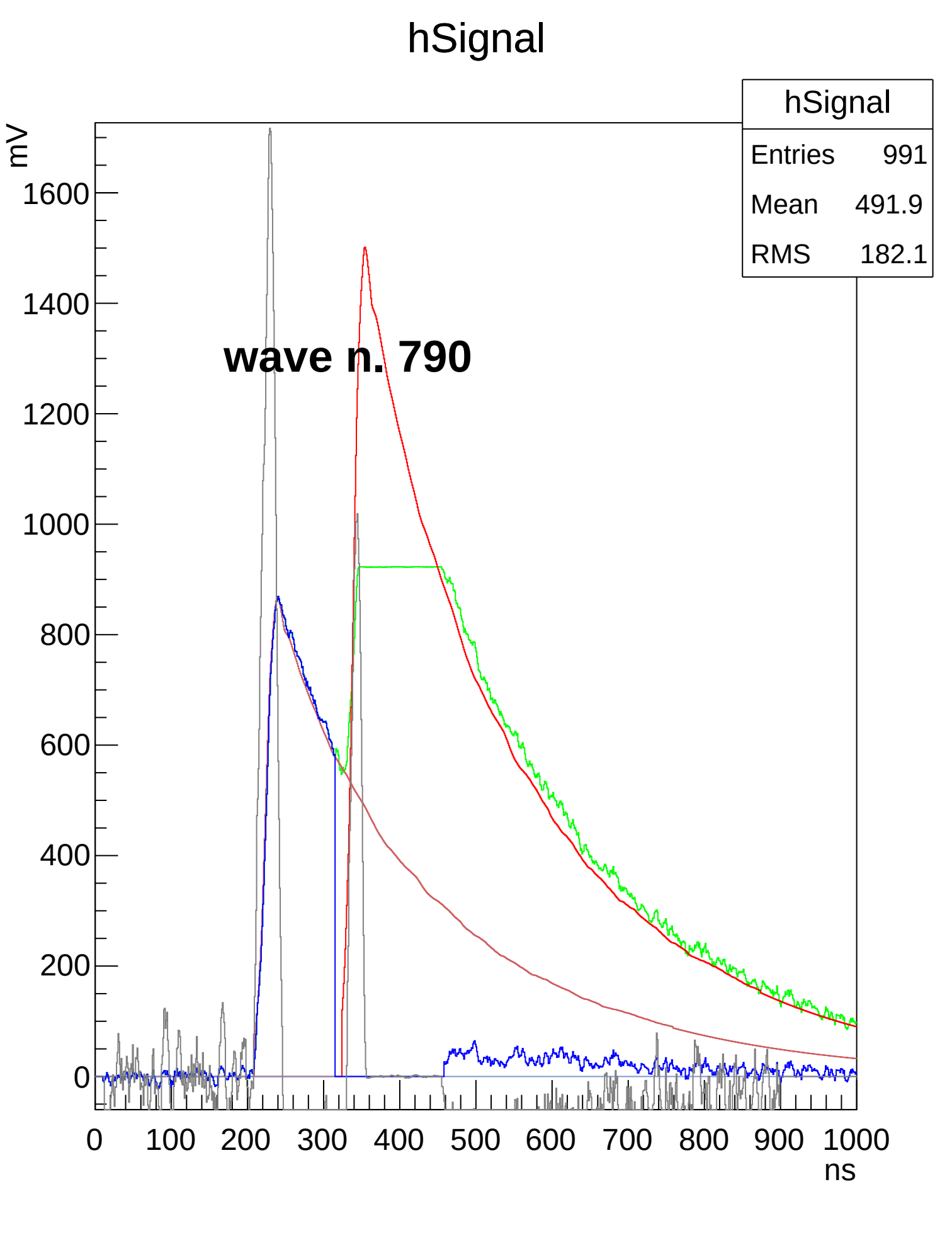

hSignal
hSignal
Entries 991
Mean 531.8
RMS 161.9
wave n. 785
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

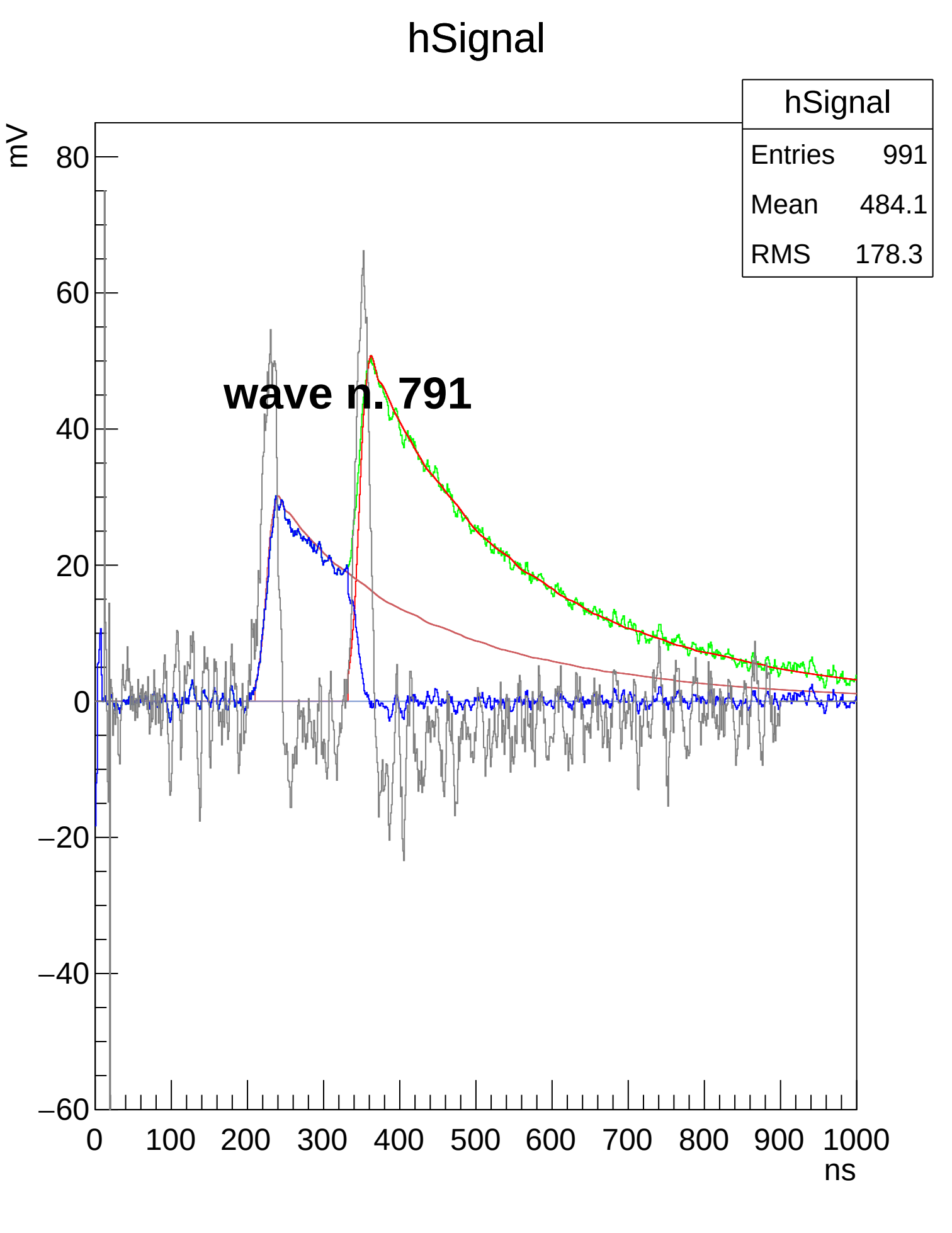

hSignal
hSignal
Entries 991
Mean 533.1
RMS 161.9
wave n. 786
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

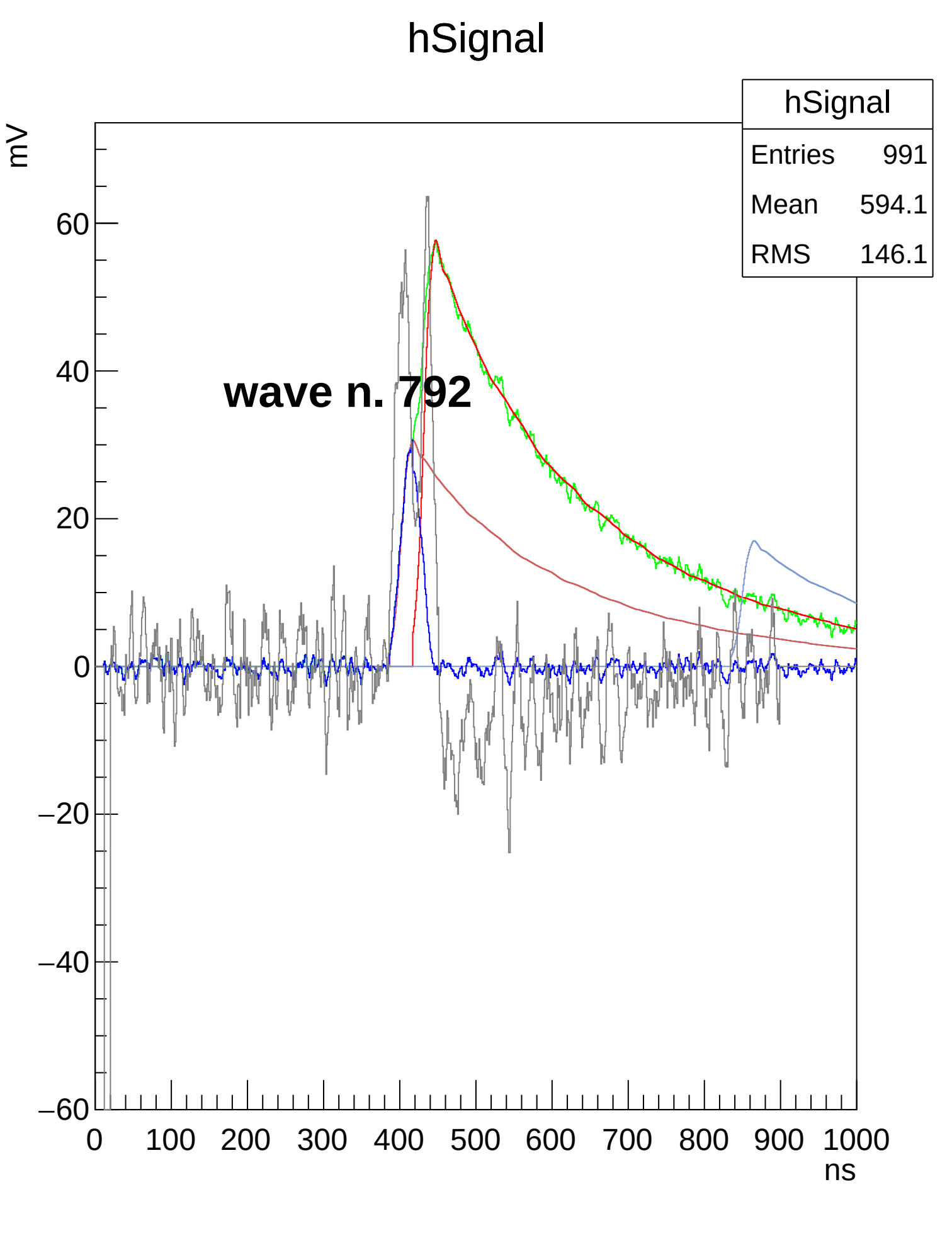

hSignal
hSignal
Entries 991
Mean 517.4
RMS 165.2
wave n. 787
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

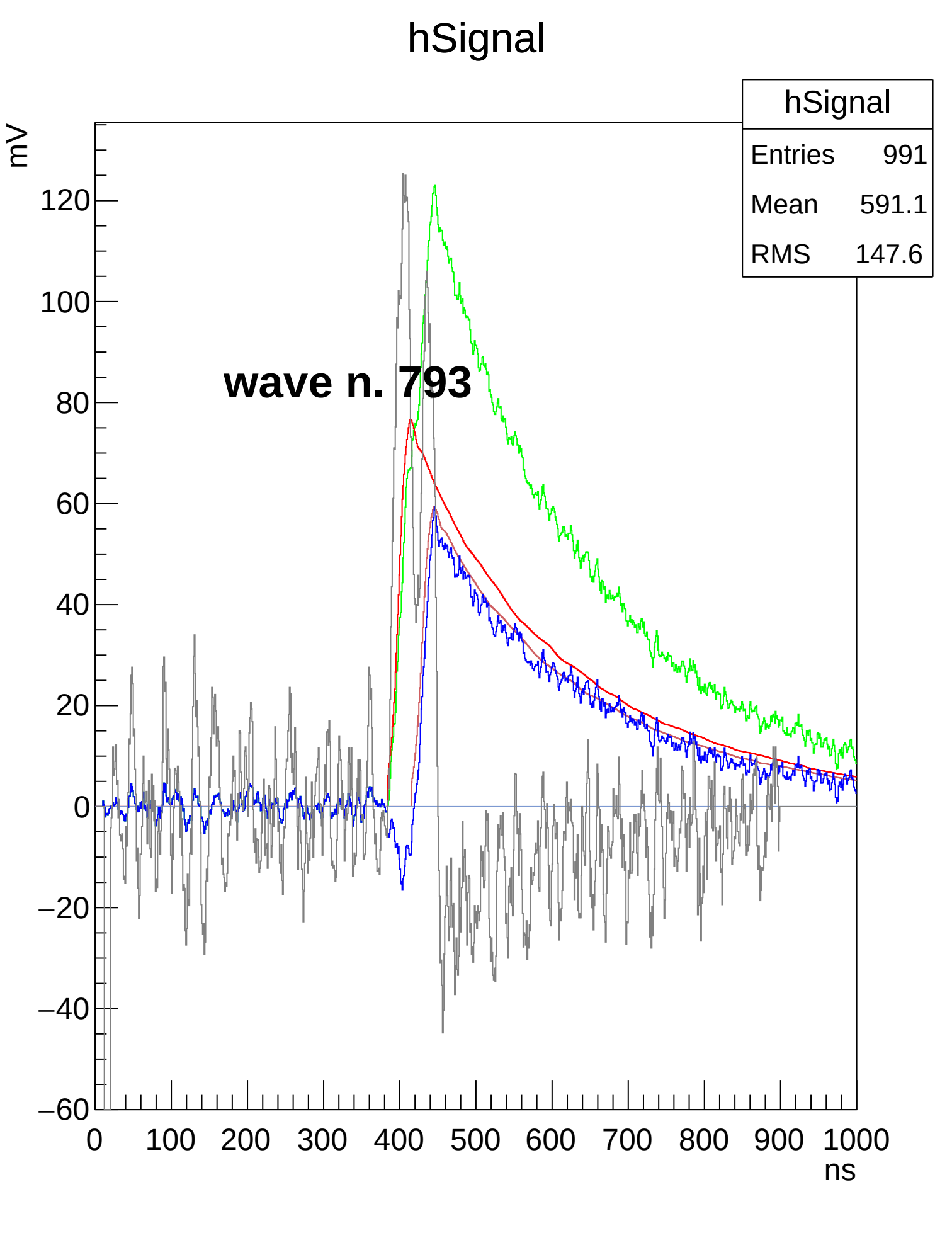

hSignal
hSignal
Entries 991
Mean 556.1
RMS 168.5
wave n. 788
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

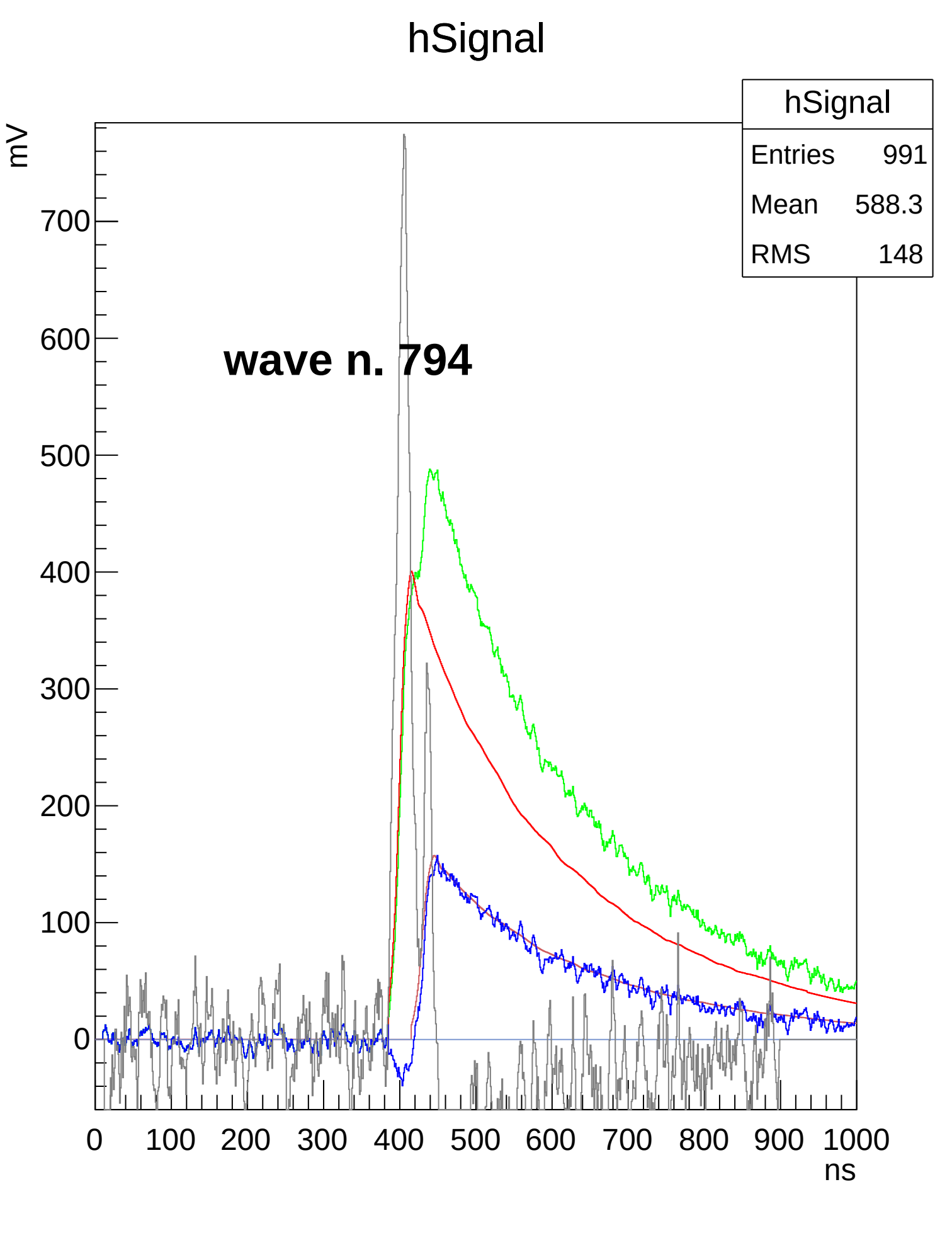

hSignal
hSignal
Entries 991
Mean 531.4
RMS 163.3
wave n. 789
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

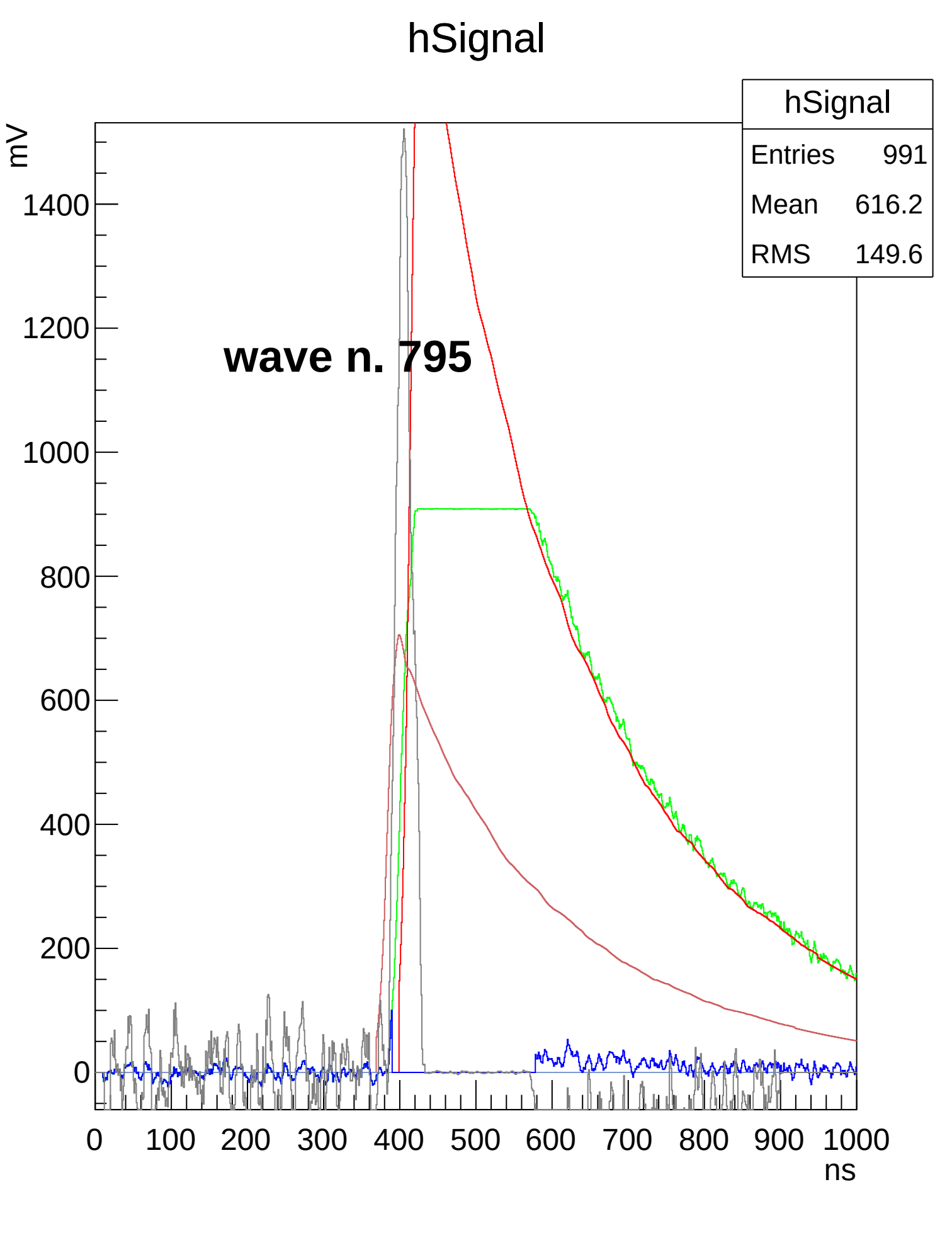

hSignal
hSignal
Entries 991
Mean 491.9
RMS 182.1
wave n. 790
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

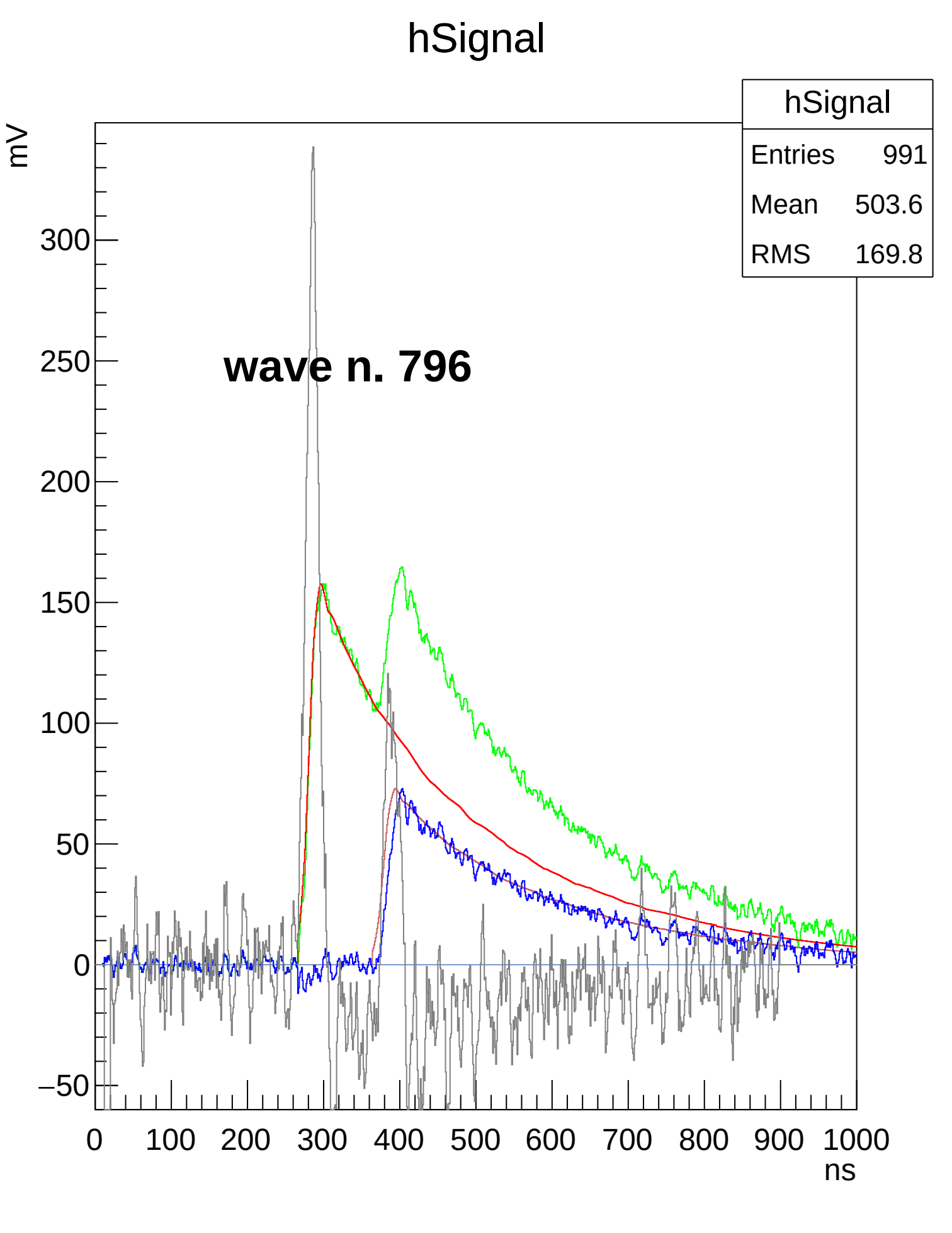

hSignal
hSignal
Entries 991
Mean 484.1
RMS 178.3
wave n. 791
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

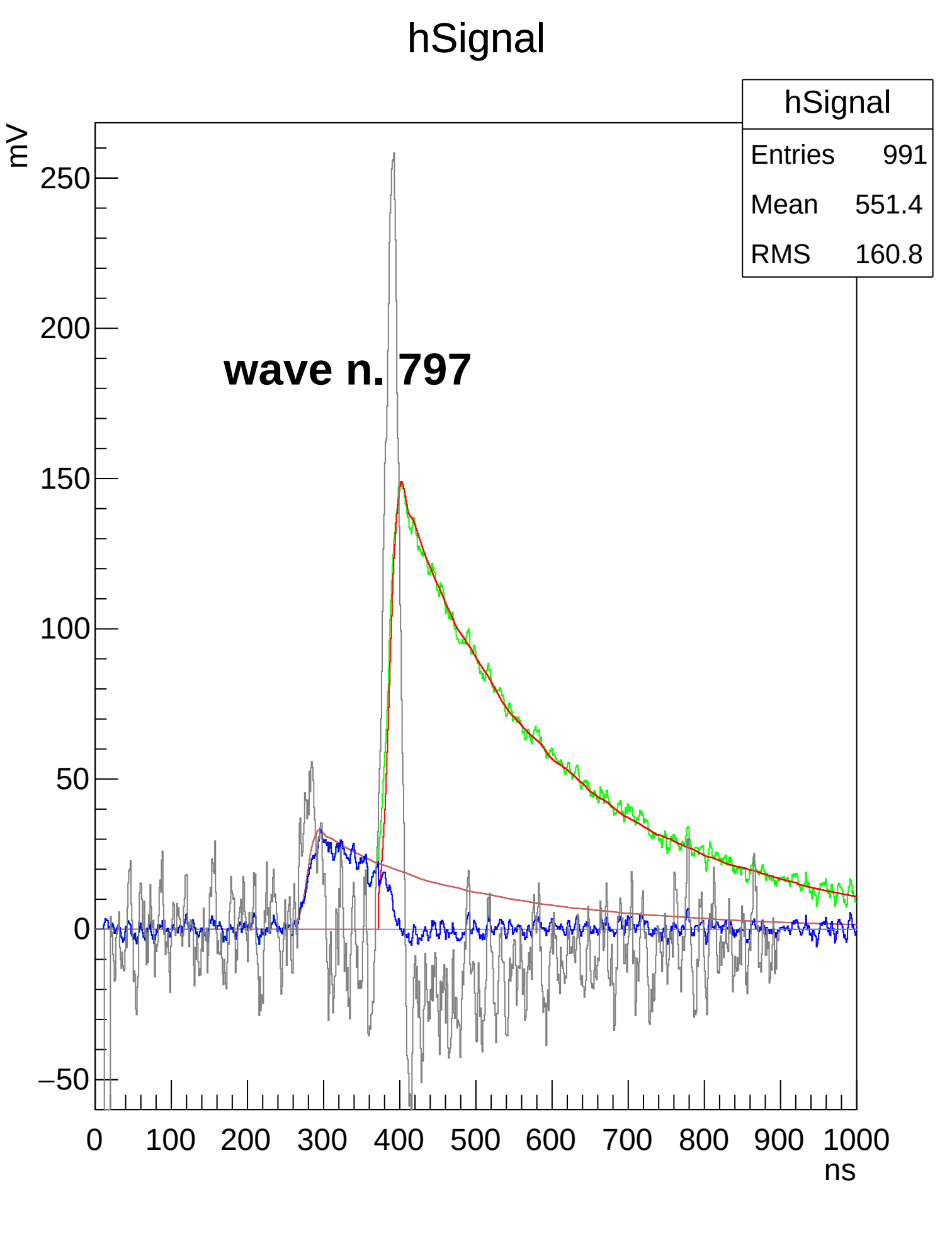

hSignal
hSignal
Entries 991
Mean 594.1
RMS 146.1
wave n. 792
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

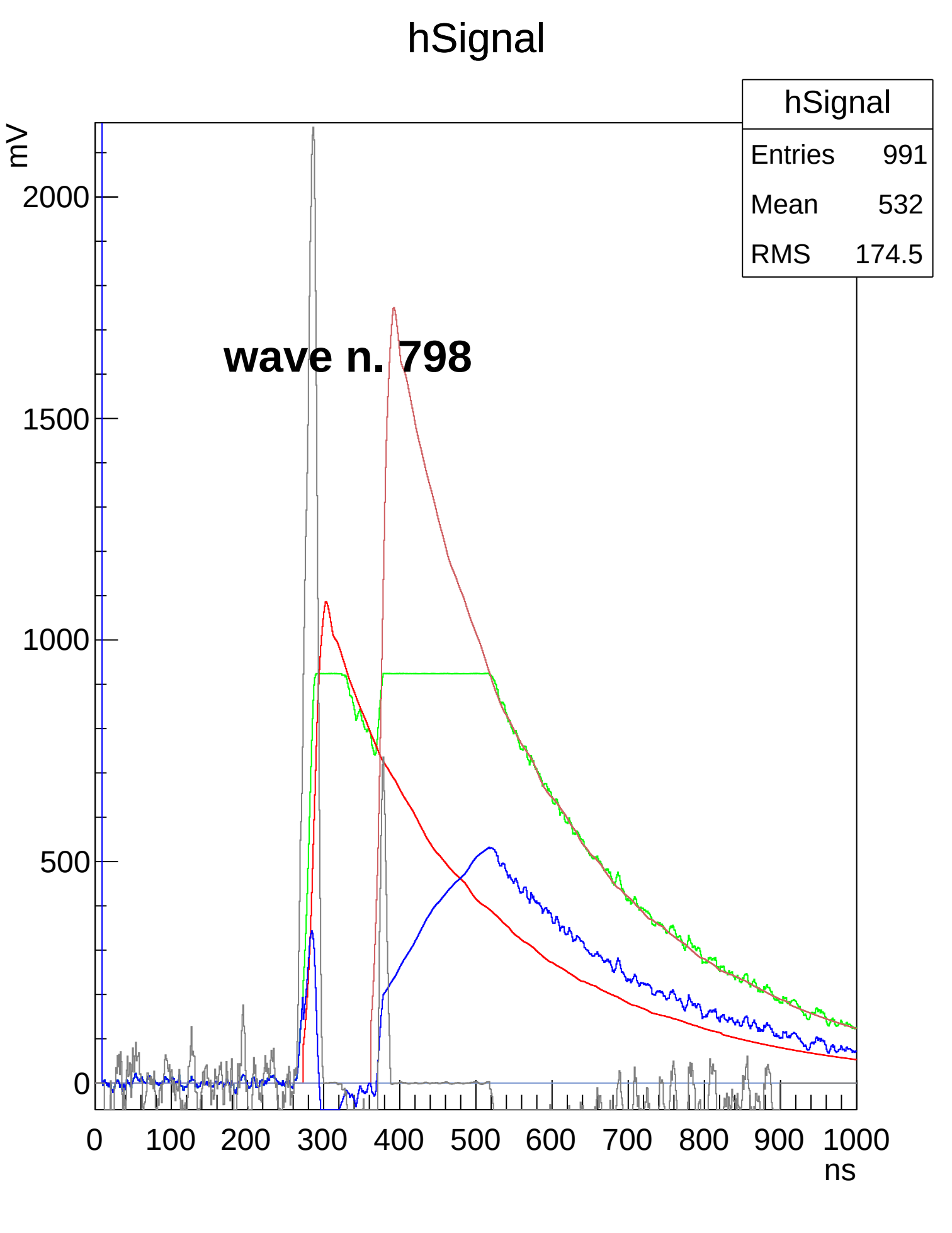

hSignal
hSignal
Entries 991
Mean 591.1
RMS 147.6
wave n. 793
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

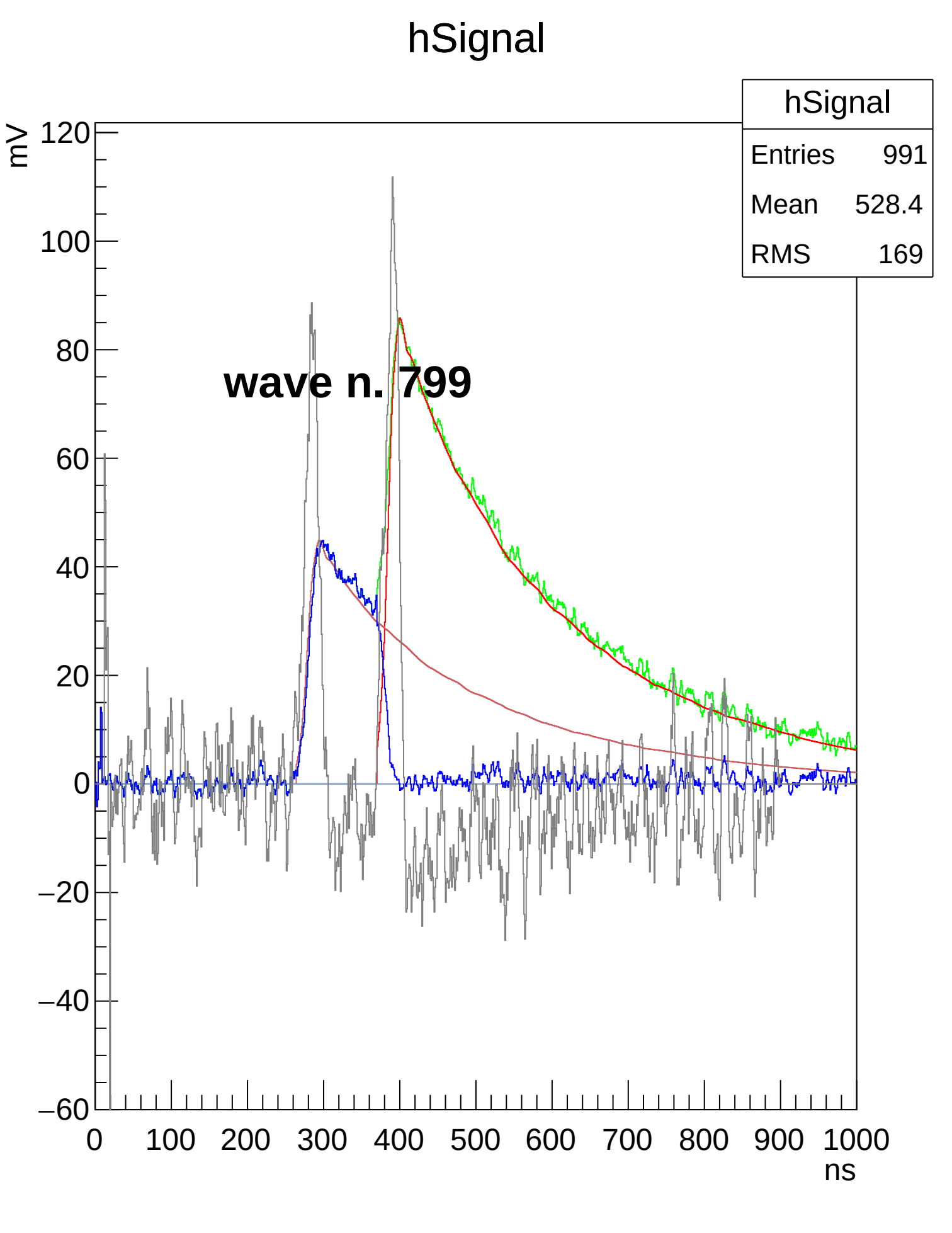

hSignal
hSignal
Entries 991
Mean 588.3
RMS 148
wave n. 794
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

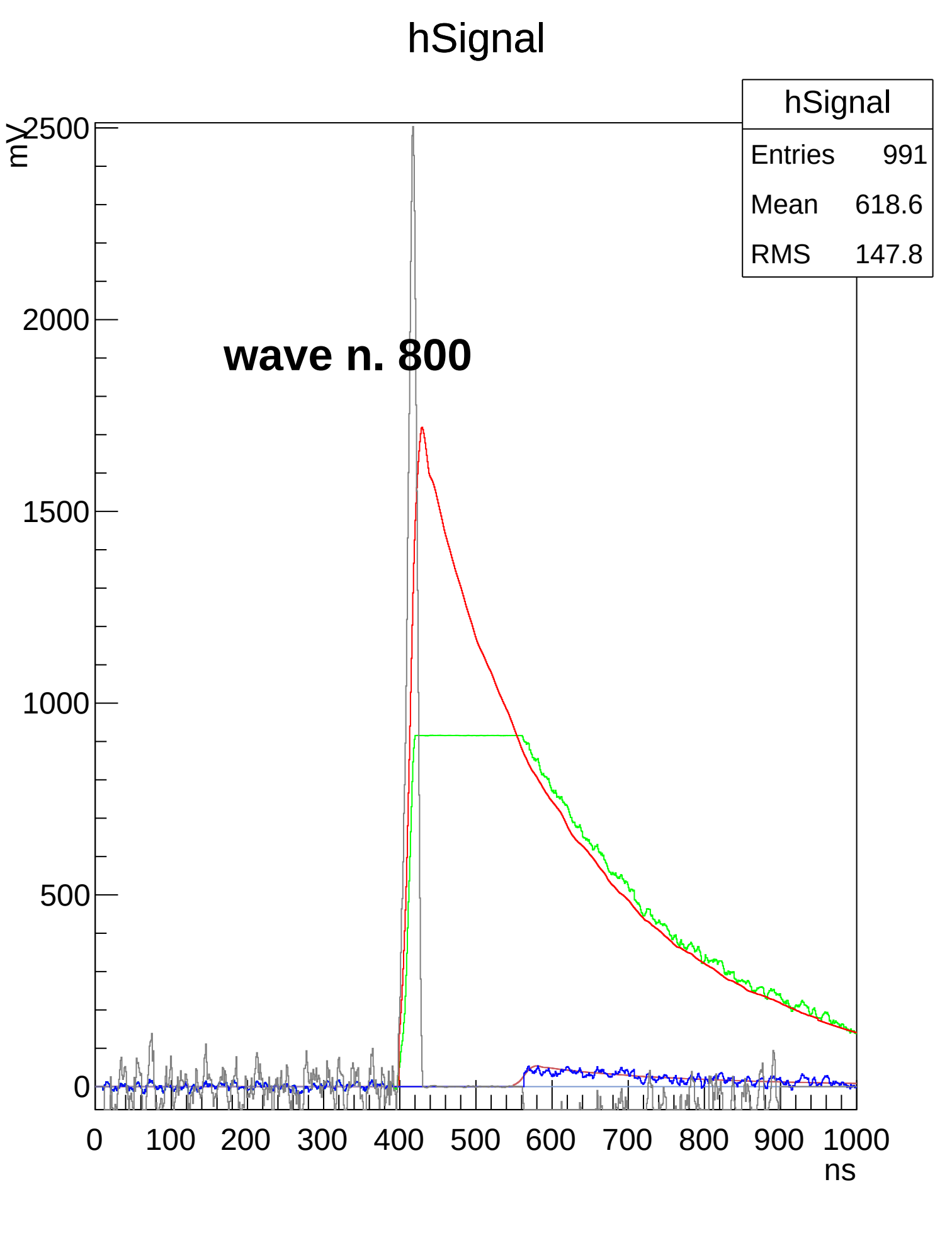

hSignal
hSignal
Entries 991
Mean 616.2
RMS 149.6
wave n. 795
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

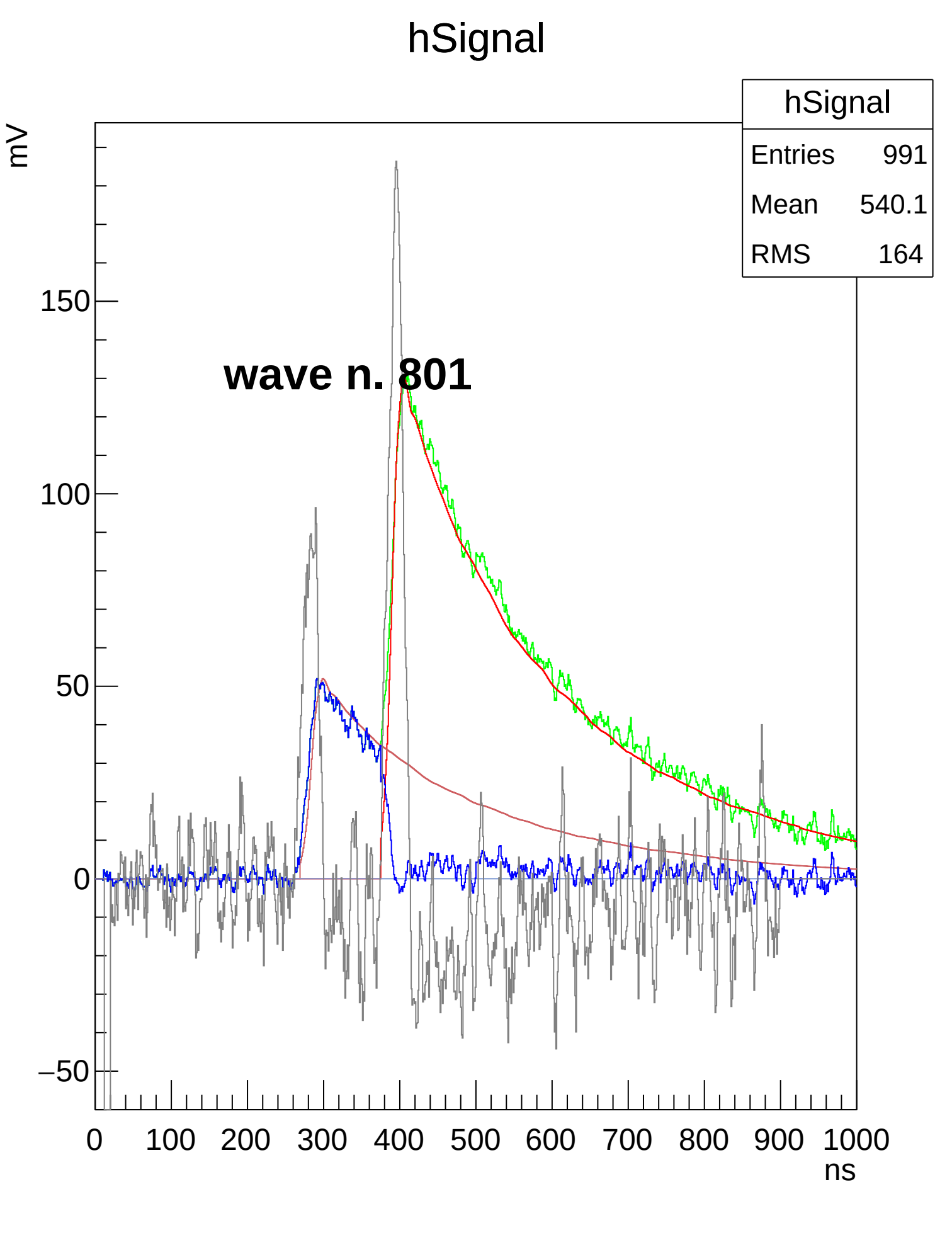

hSignal
hSignal
Entries 991
Mean 503.6
RMS 169.8
wave n. 796
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

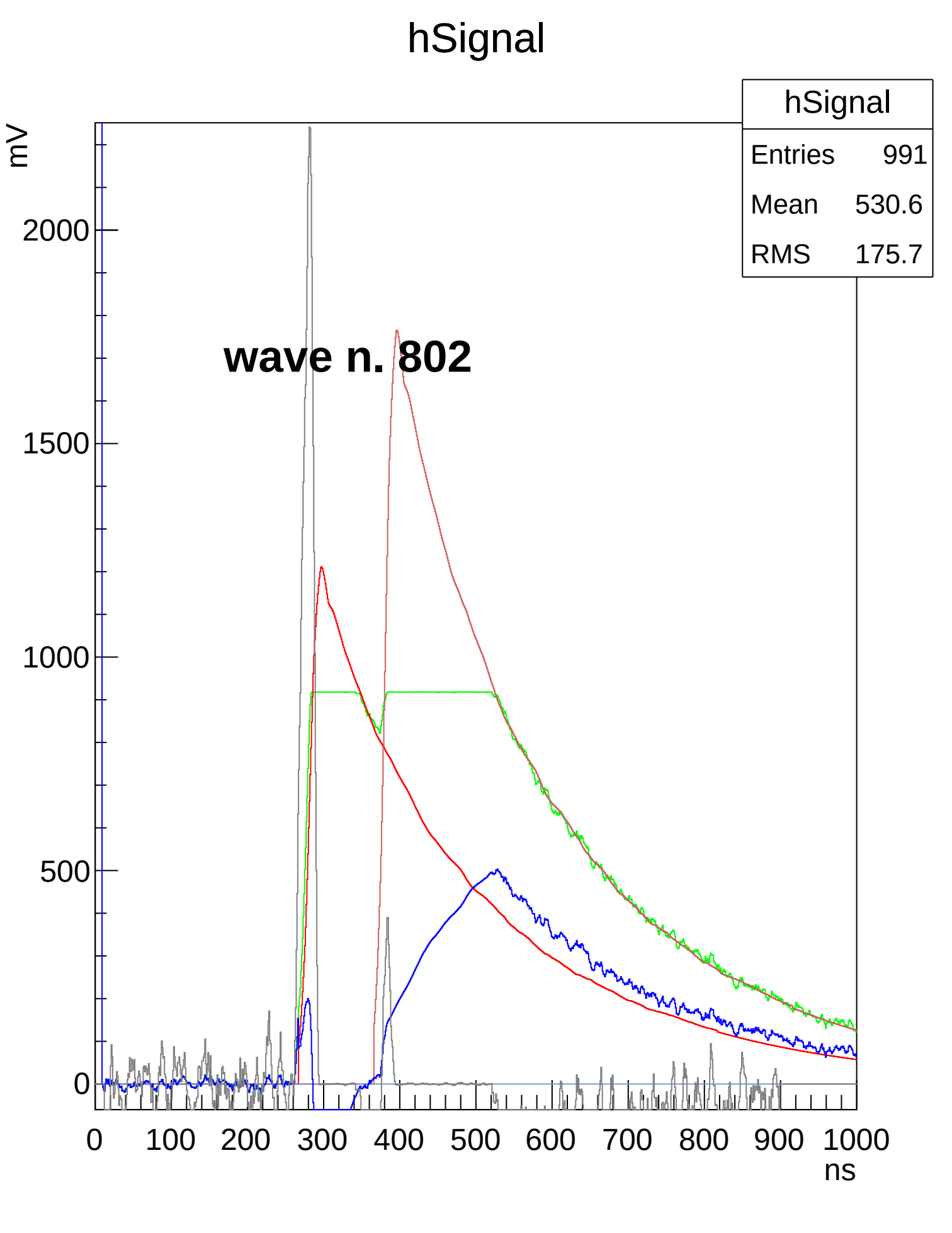

hSignal
hSignal
Entries 991
Mean 551.4
RMS 160.8
wave n. 797
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

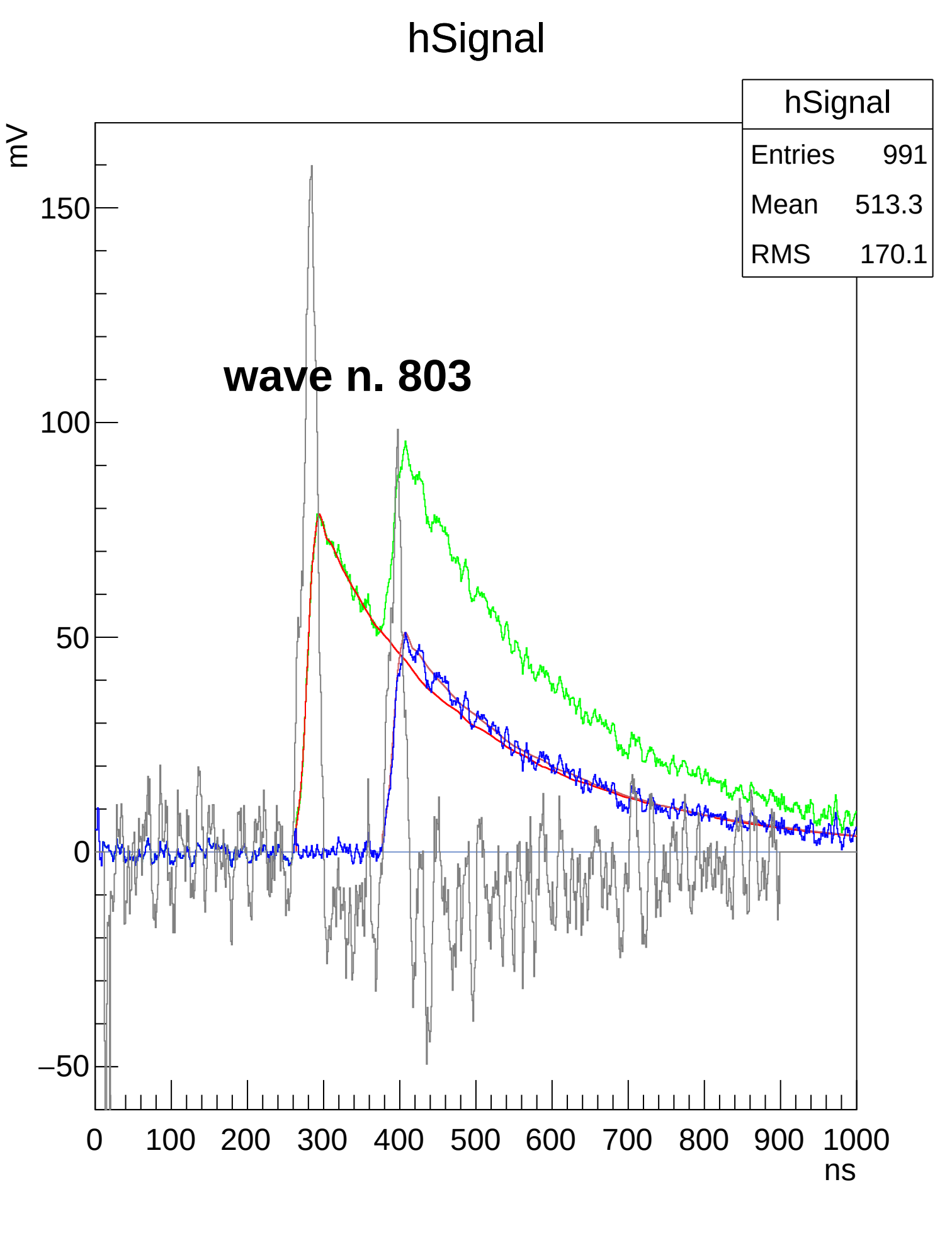

hSignal
hSignal
Entries 991
Mean 532
RMS 174.5
wave n. 798
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

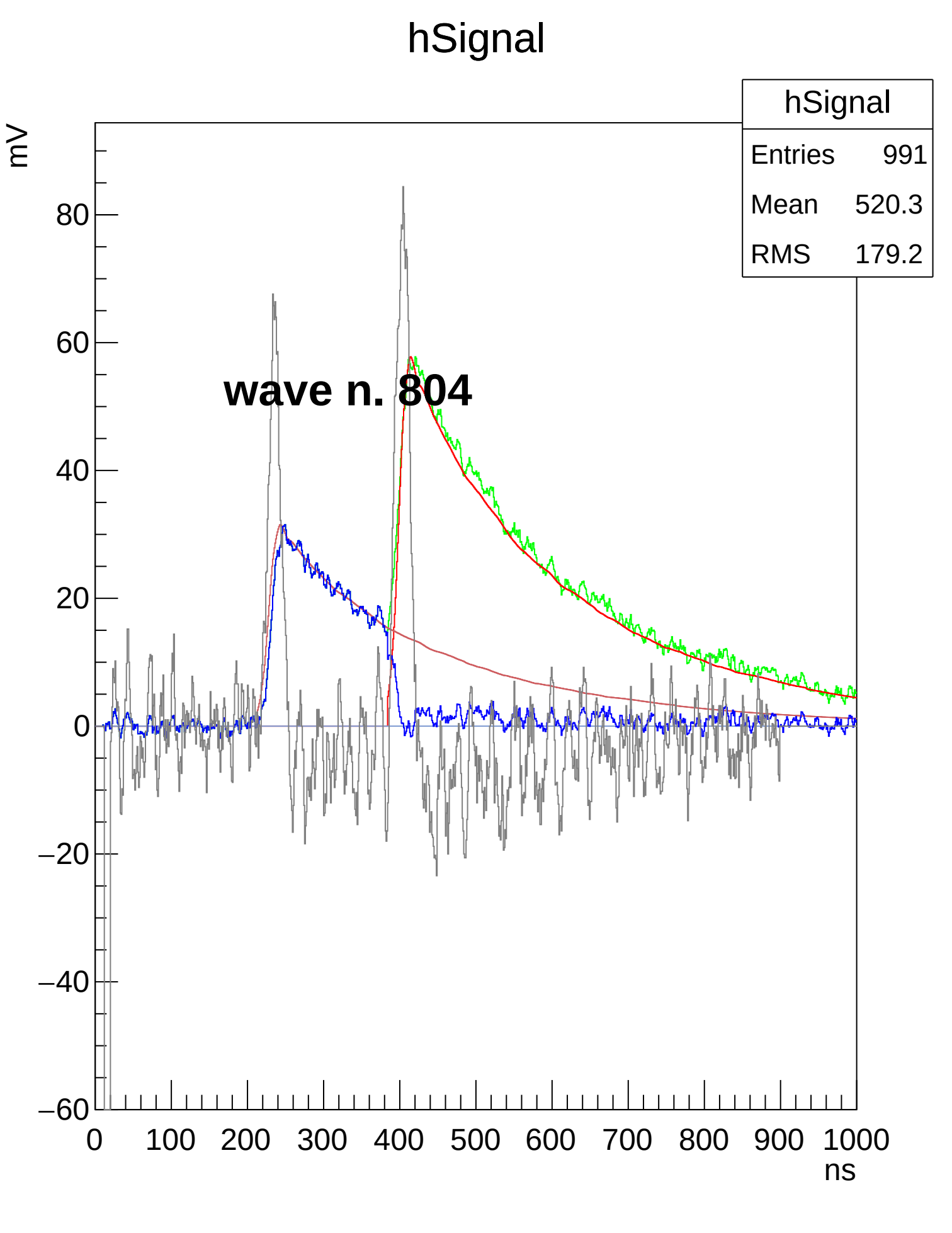

hSignal
hSignal
Entries 991
Mean 528.4
RMS 169
wave n. 799
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

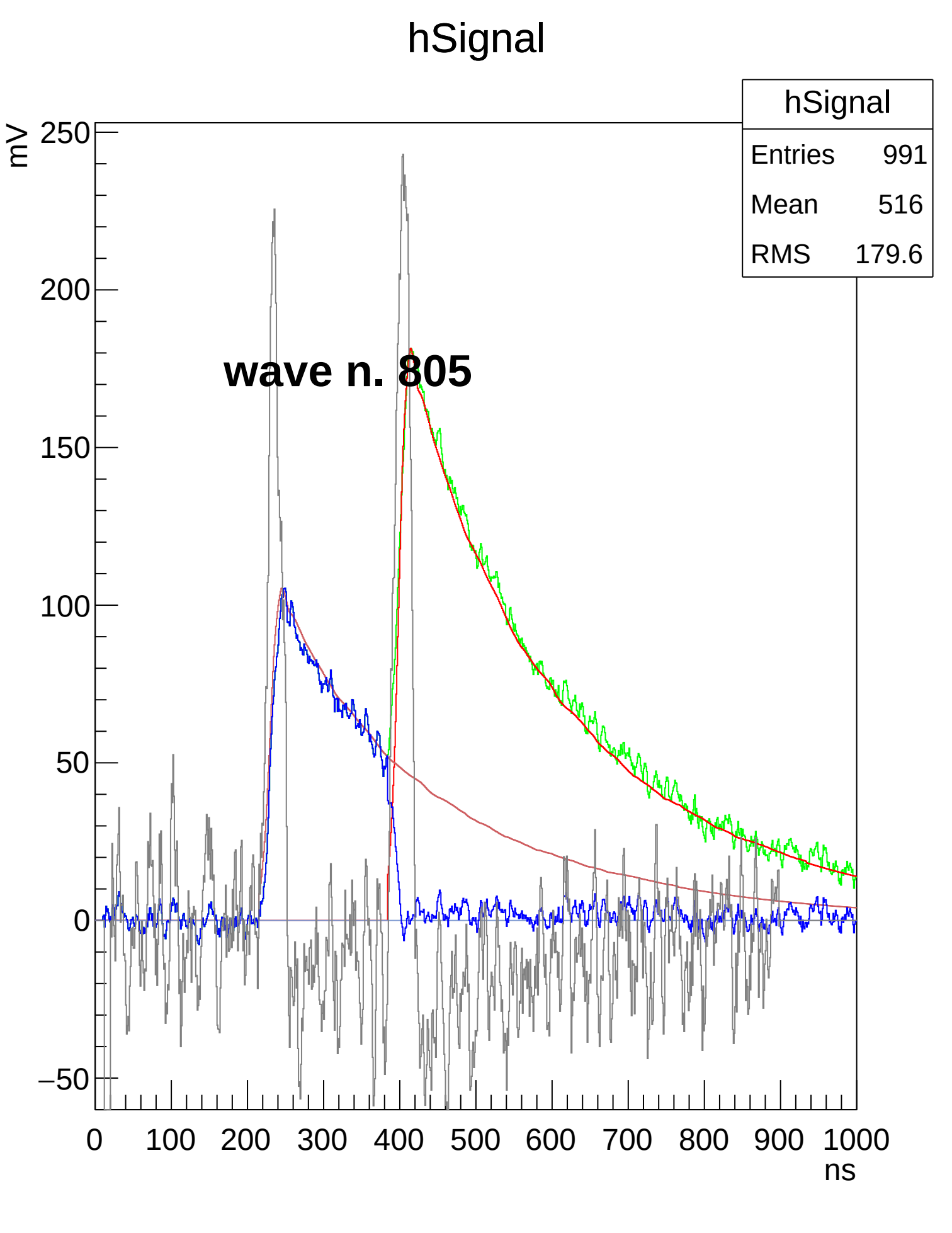

hSignal
hSignal
Entries 991
Mean 618.6
RMS 147.8
wave n. 800
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

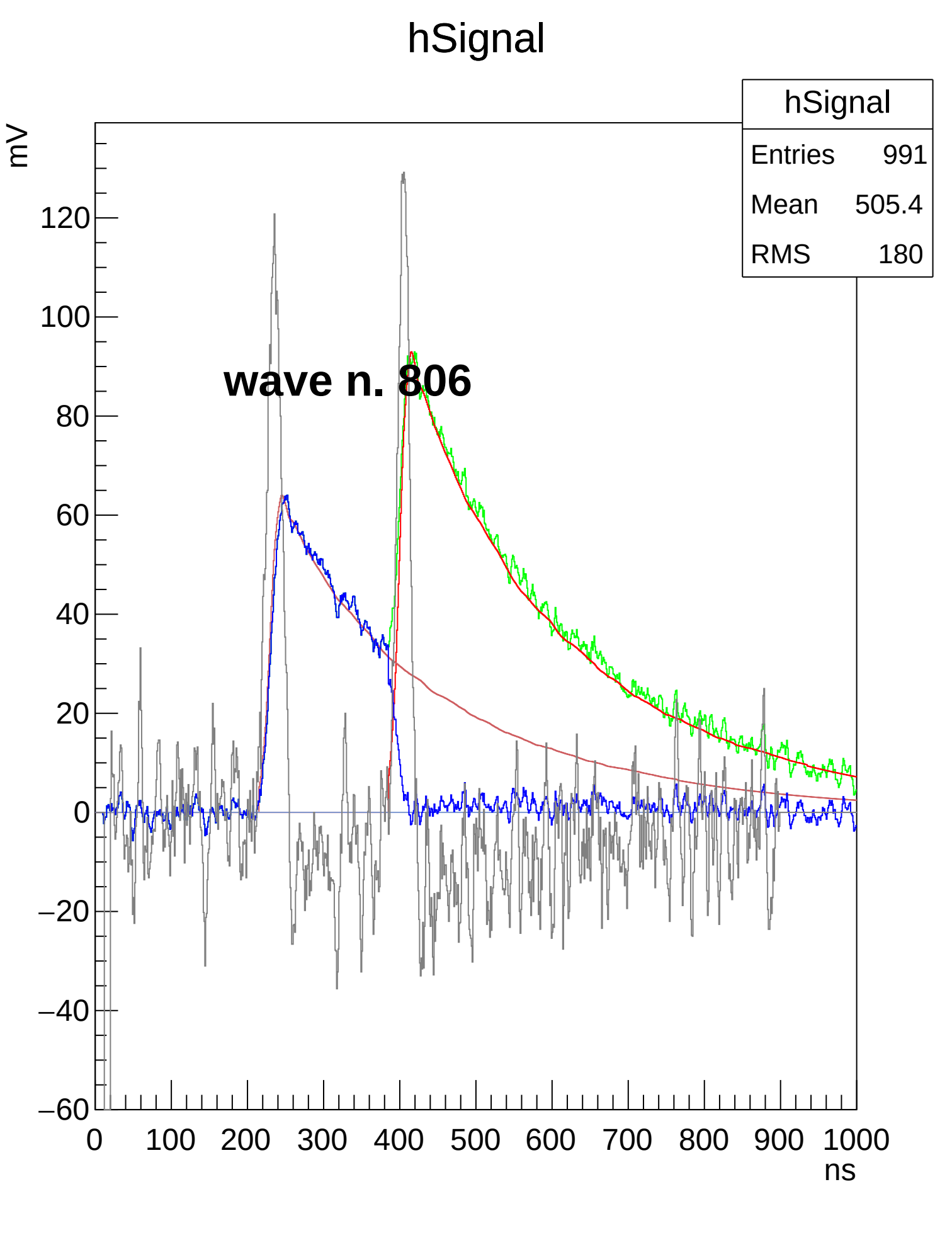

hSignal
hSignal
Entries 991
Mean 540.1
RMS 164
wave n. 801
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

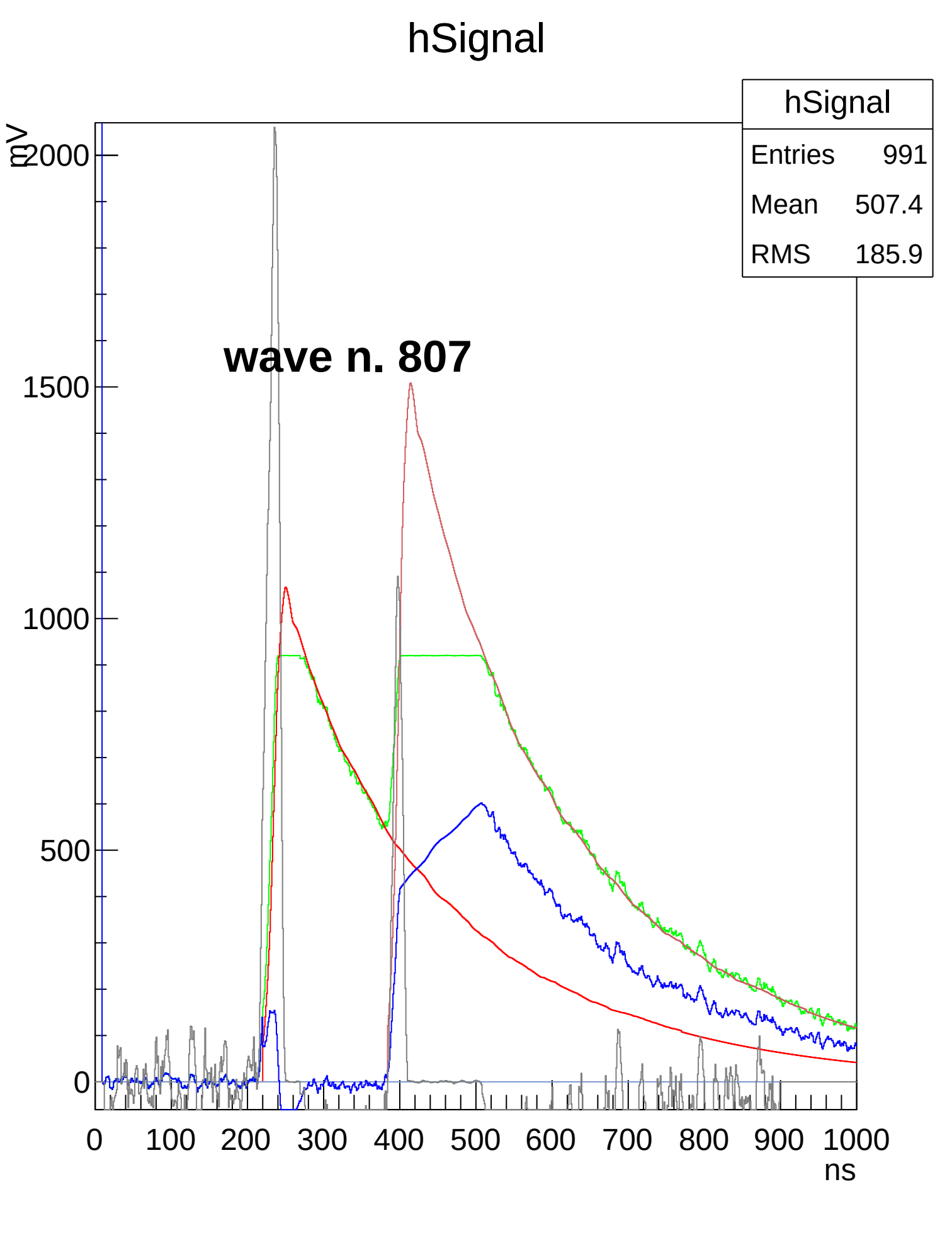

hSignal
hSignal
Entries 991
Mean 530.6
RMS 175.7
wave n. 802
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

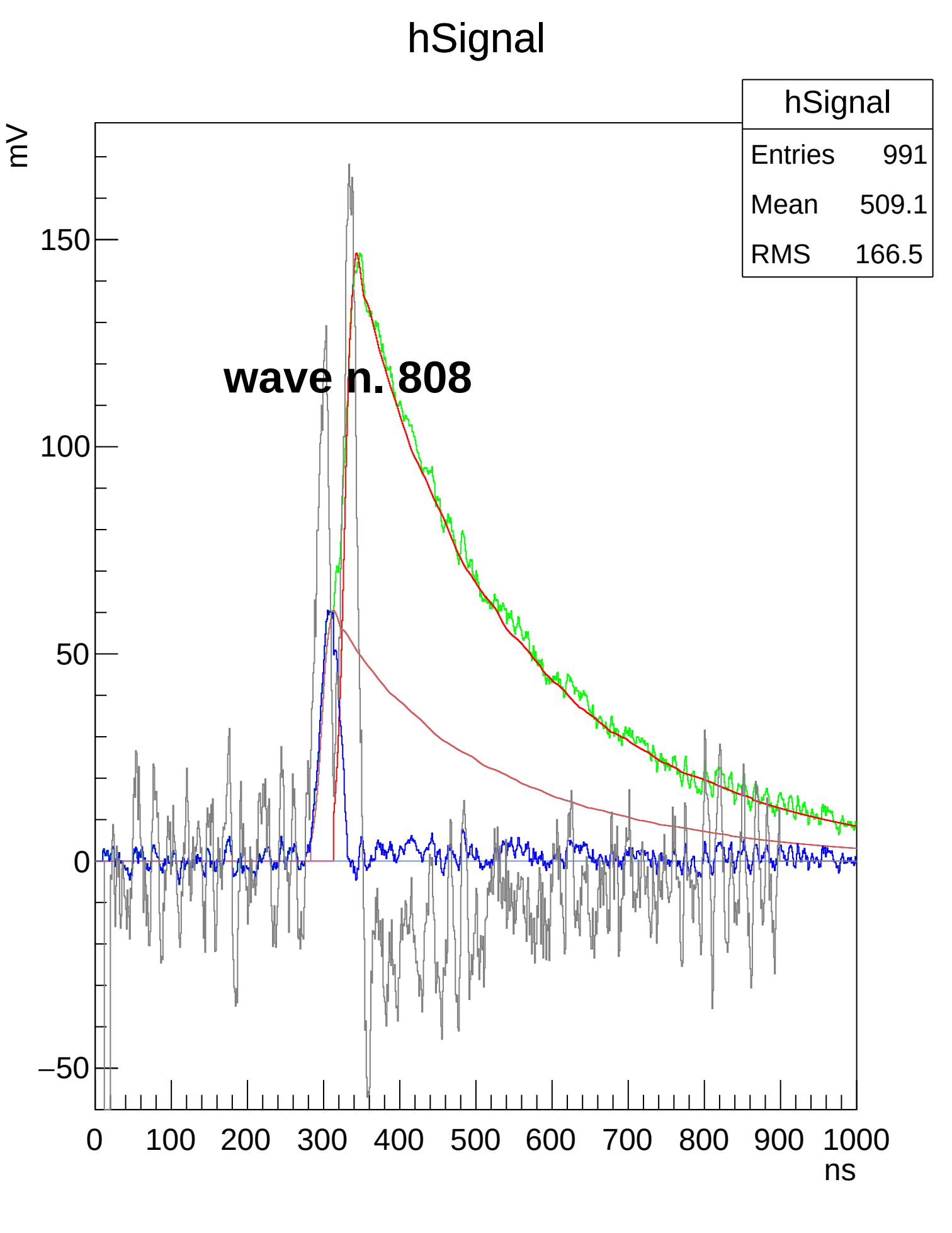

hSignal
hSignal
Entries 991
Mean 513.3
RMS 170.1
wave n. 803
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

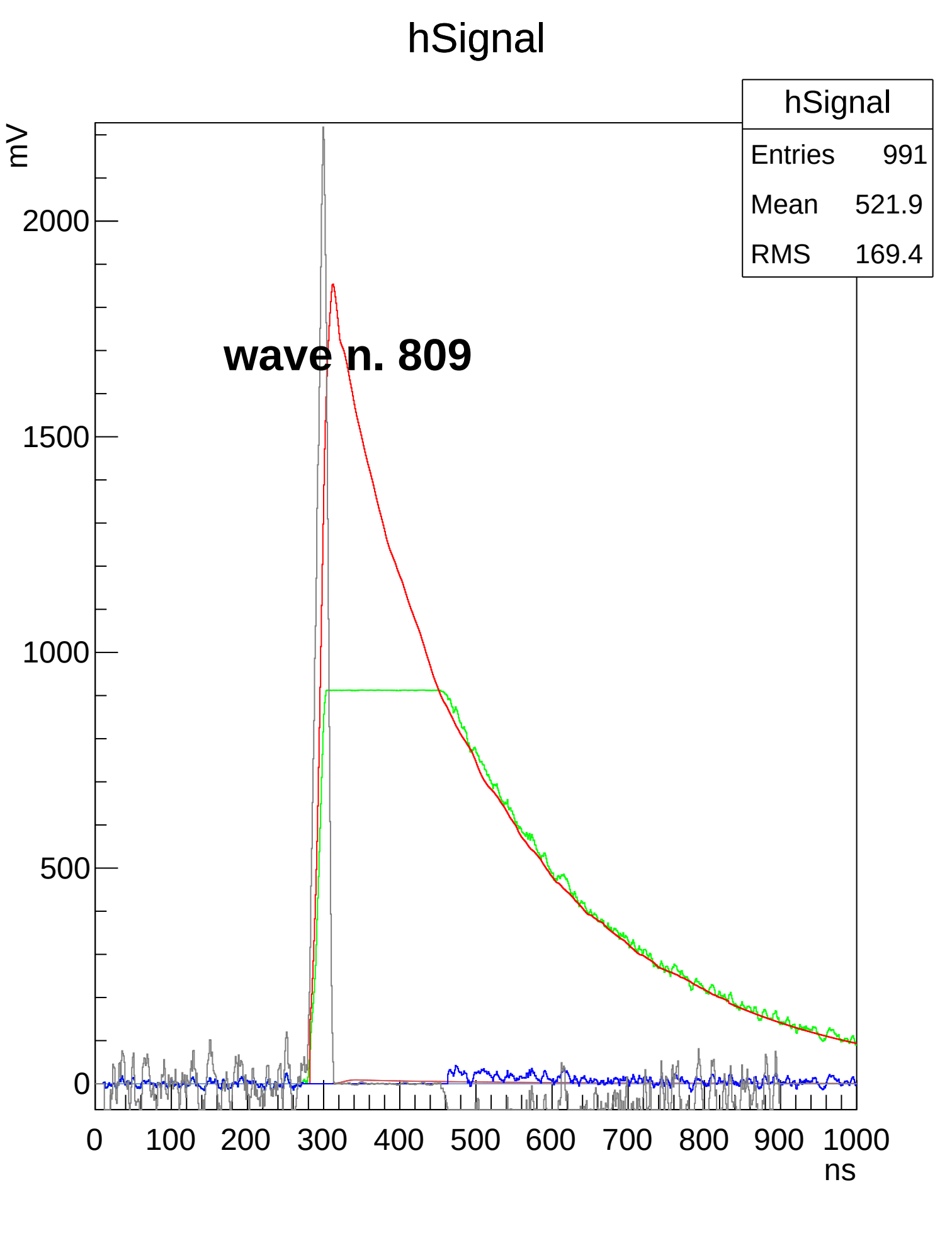

hSignal
hSignal
Entries 991
Mean 520.3
RMS 179.2
wave n. 804
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

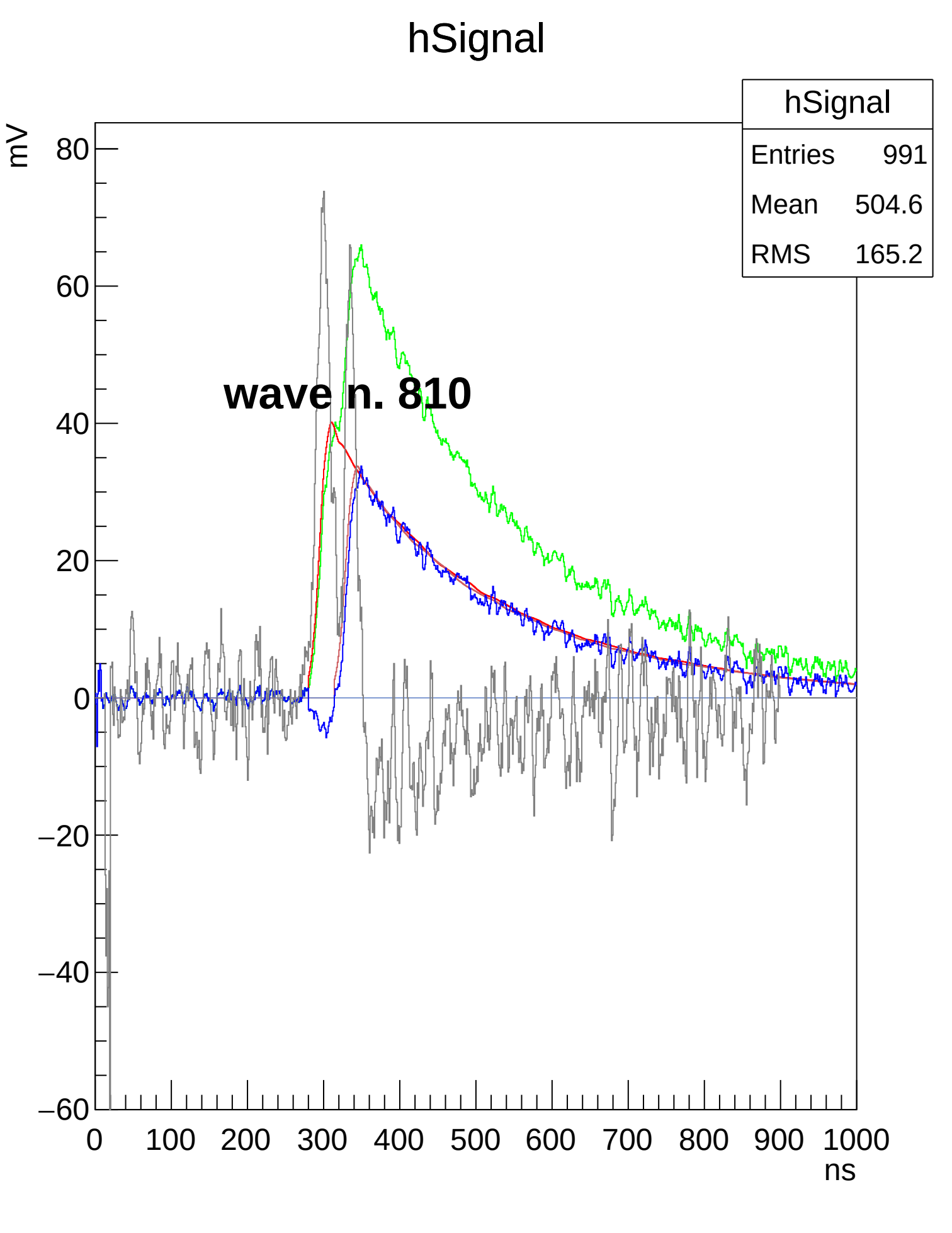

hSignal
hSignal
Entries 991
Mean 516
RMS 179.6
wave n. 805
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

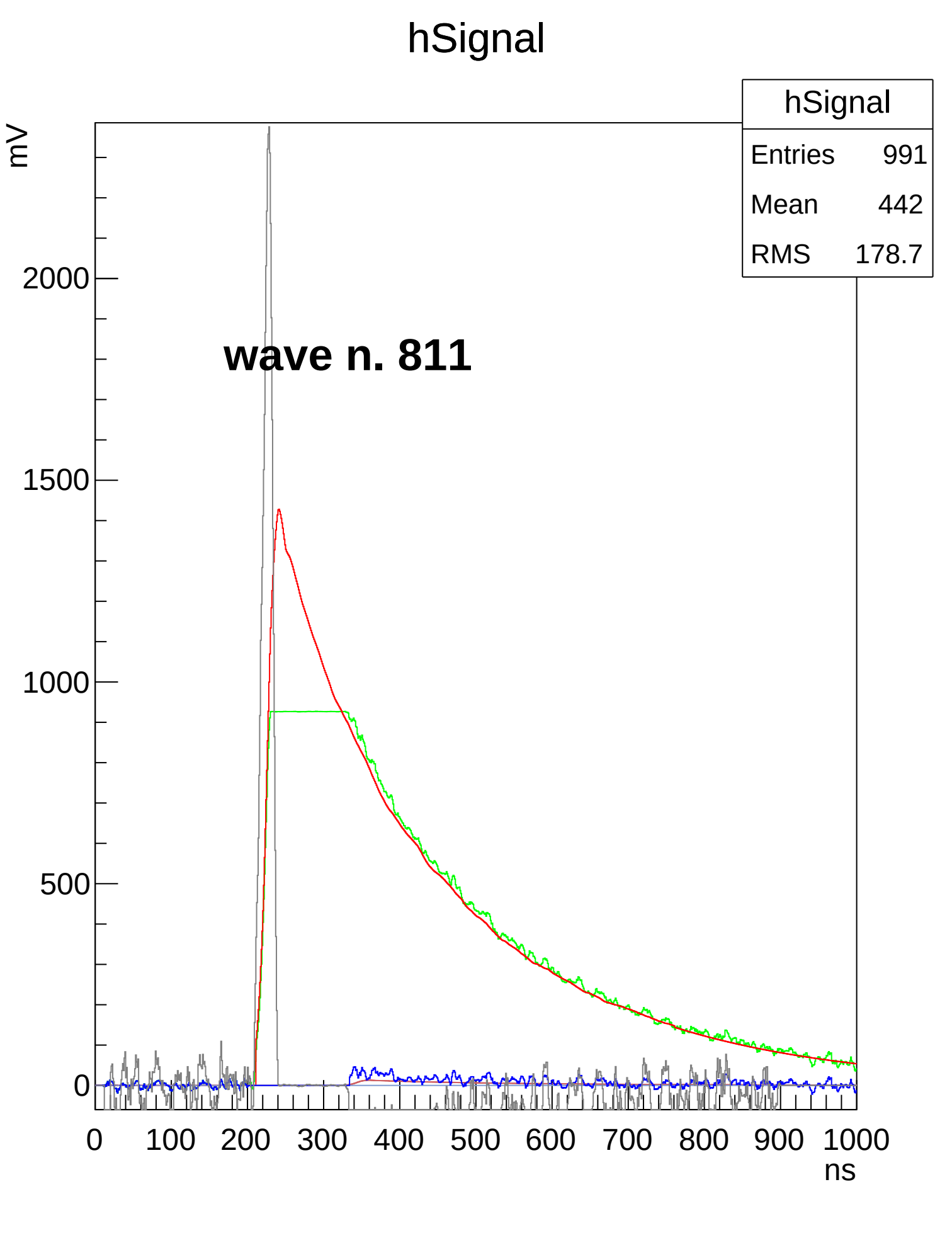

hSignal
hSignal
Entries 991
Mean 505.4
RMS 180
wave n. 806
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

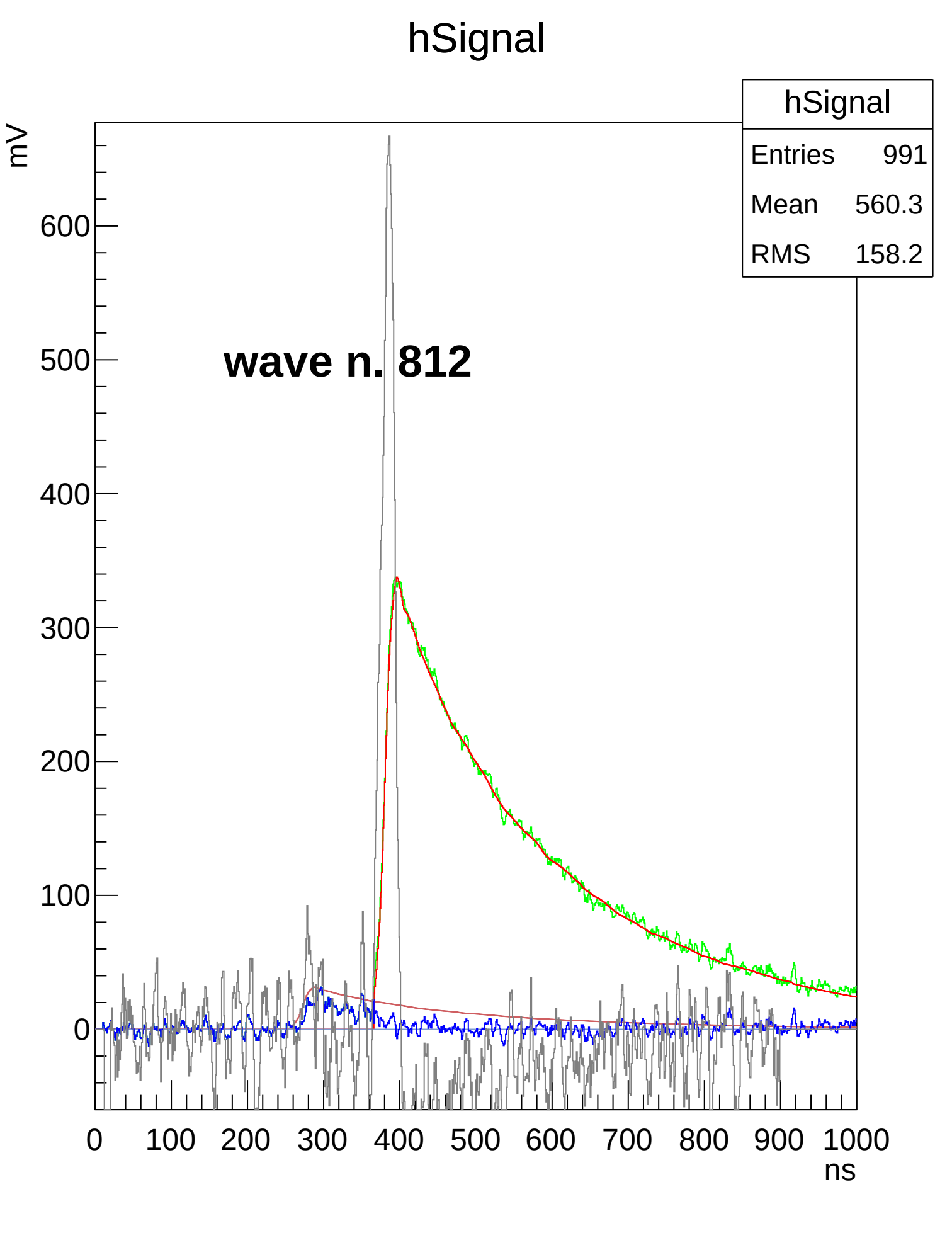

hSignal
hSignal
Entries 991
Mean 507.4
RMS 185.9
wave n. 807
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

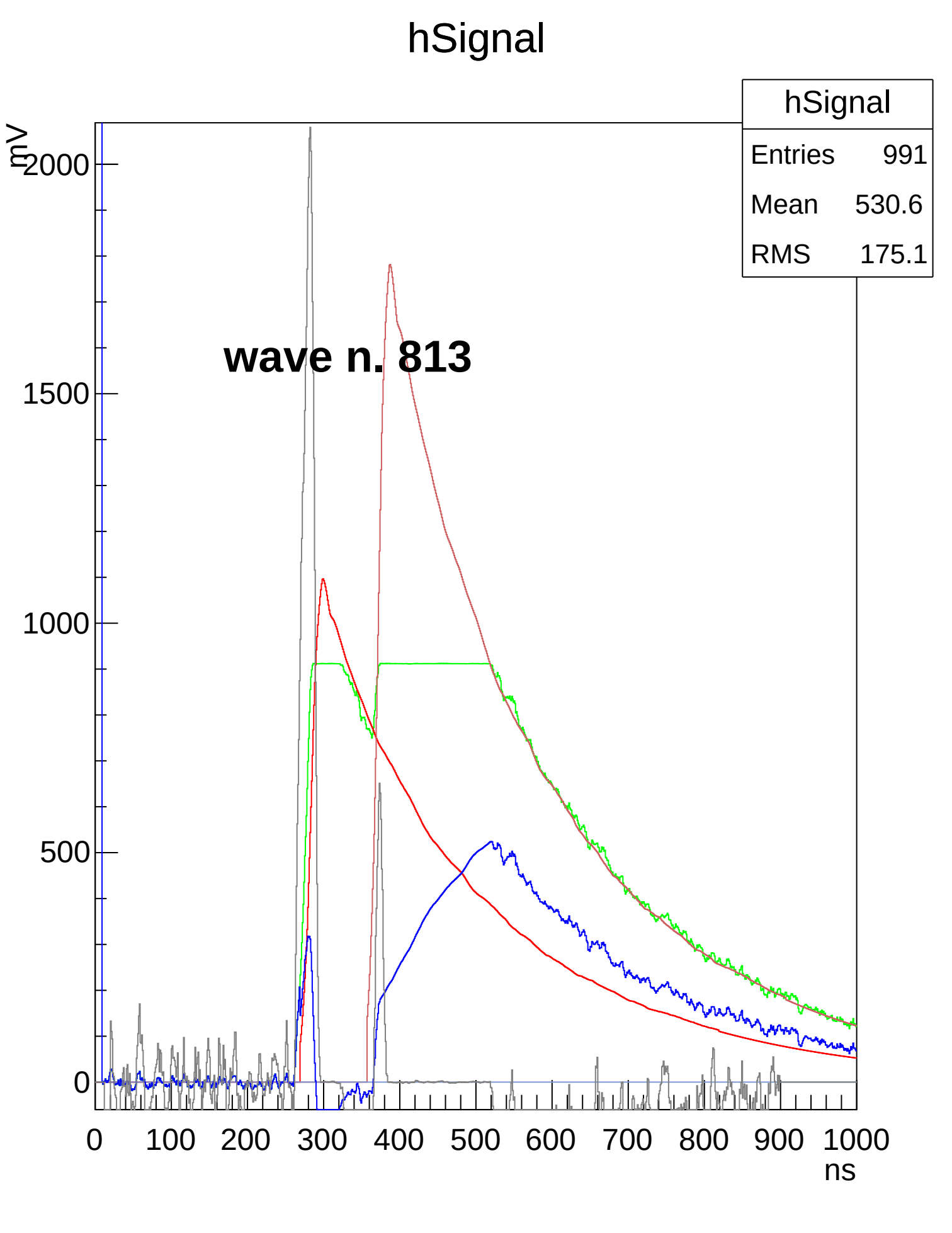

hSignal
hSignal
Entries 991
Mean 509.1
RMS 166.5
wave n. 808
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

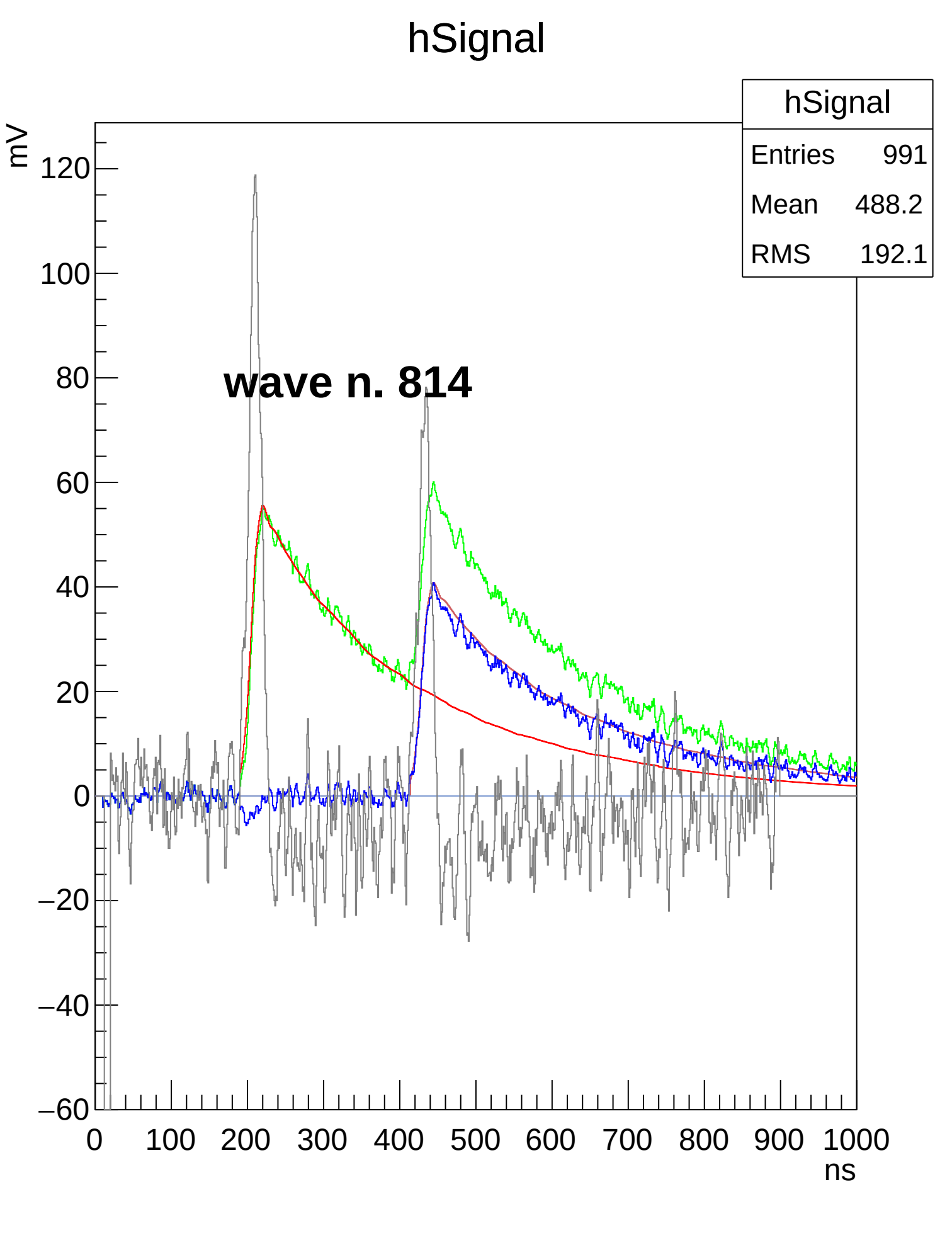

hSignal
hSignal
Entries 991
Mean 521.9
RMS 169.4
wave n. 809
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

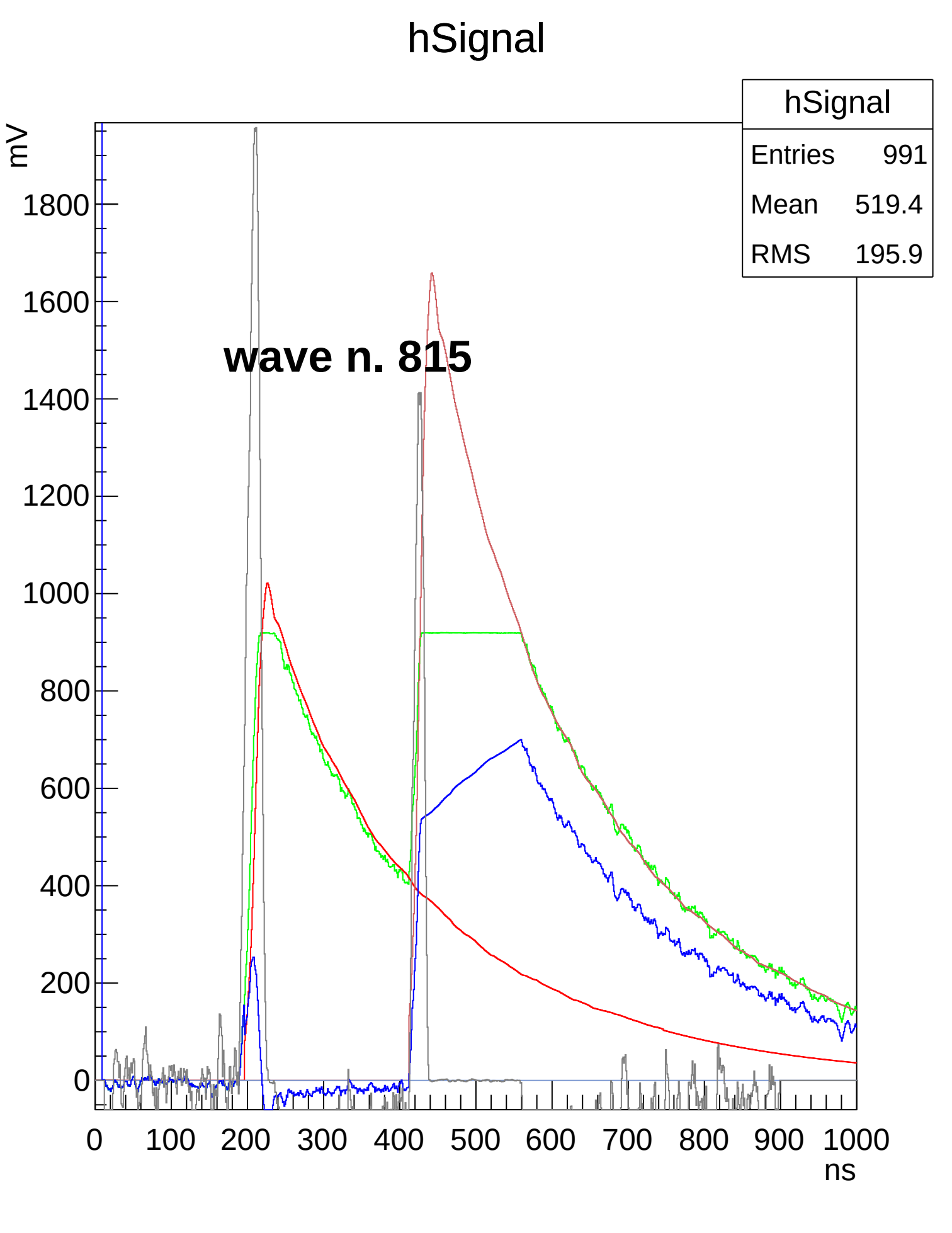

hSignal
hSignal
Entries 991
Mean 504.6
RMS 165.2
wave n. 810
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

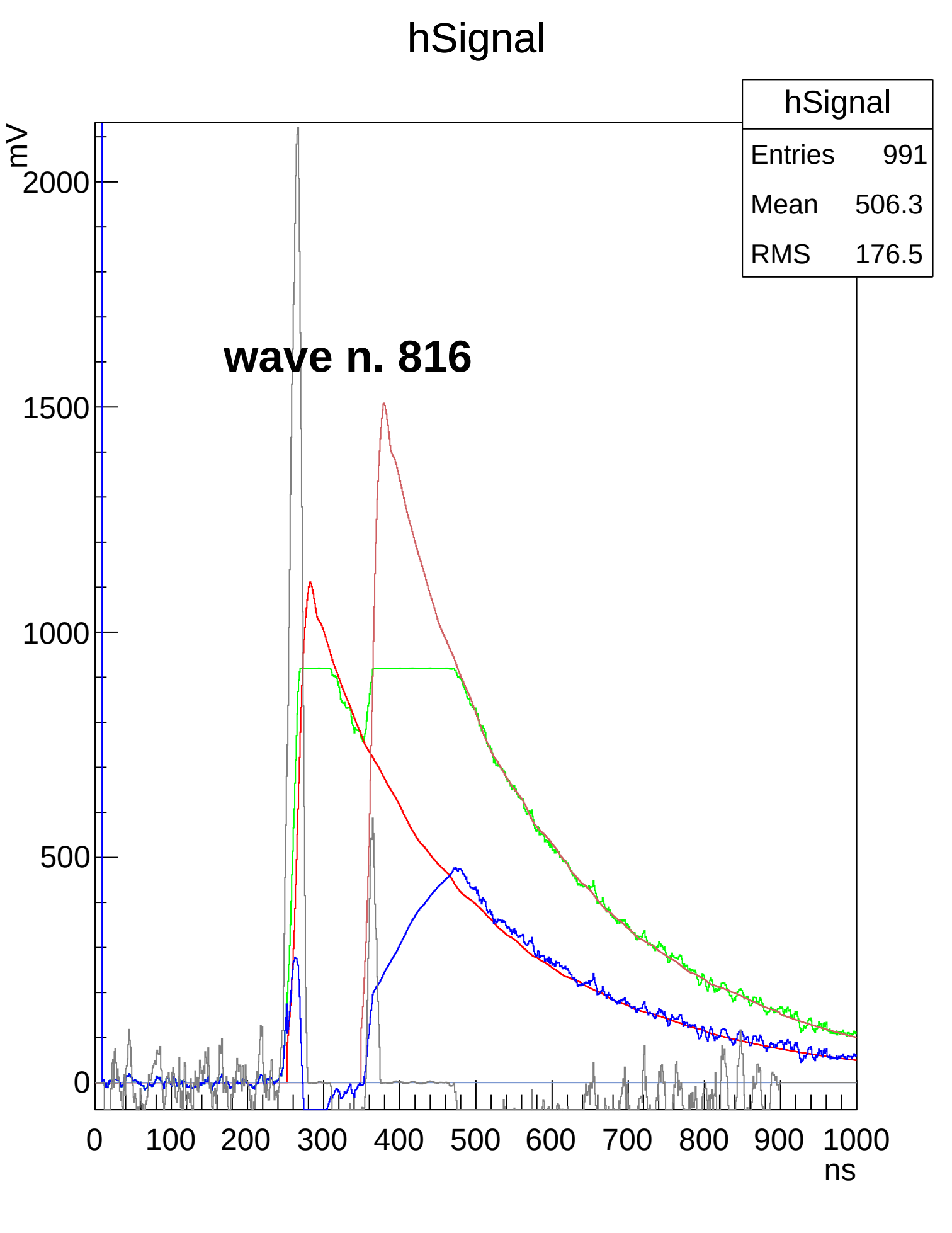

hSignal
hSignal
Entries 991
Mean 442
RMS 178.7
wave n. 811
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

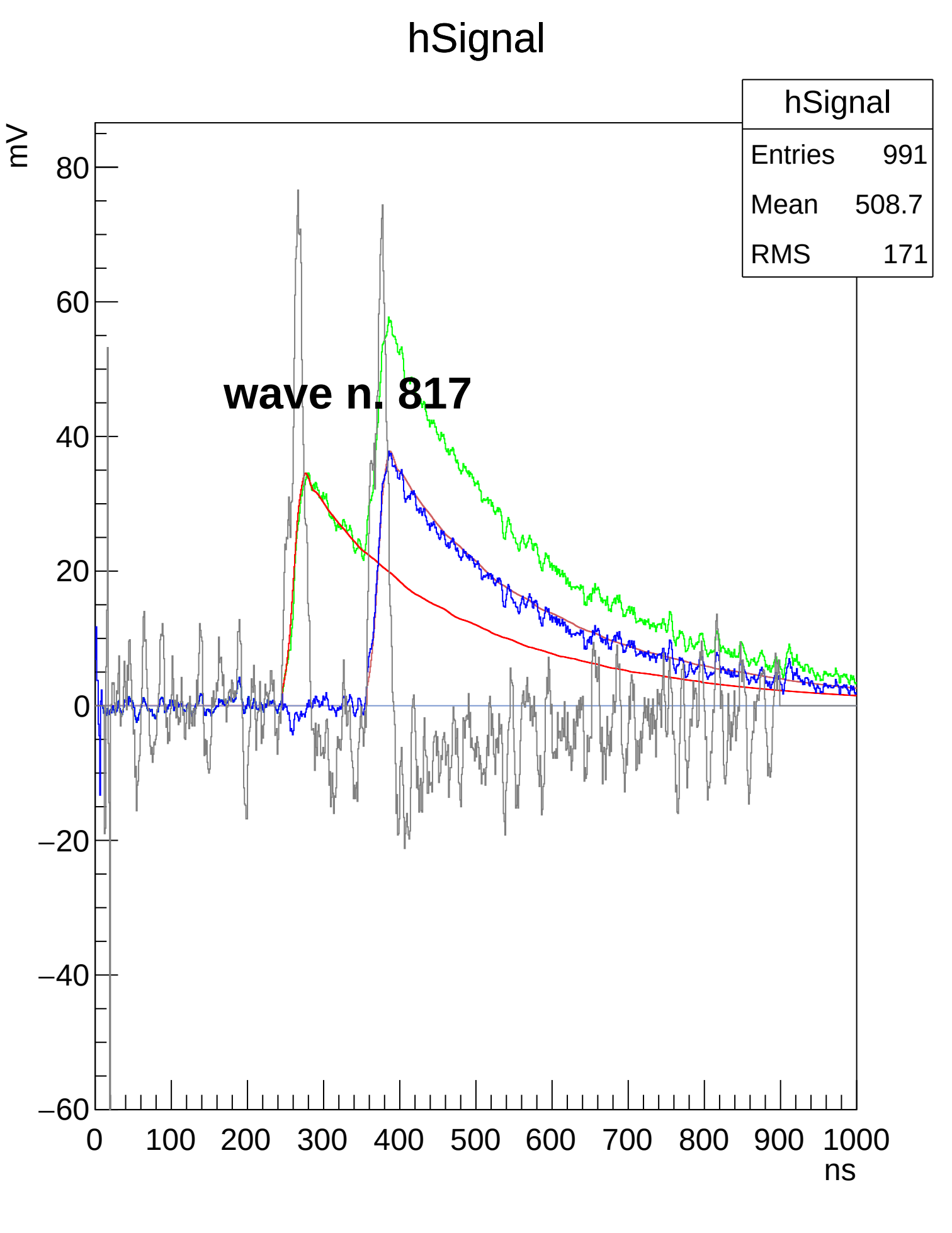

hSignal
hSignal
Entries 991
Mean 560.3
RMS 158.2
wave n. 812
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

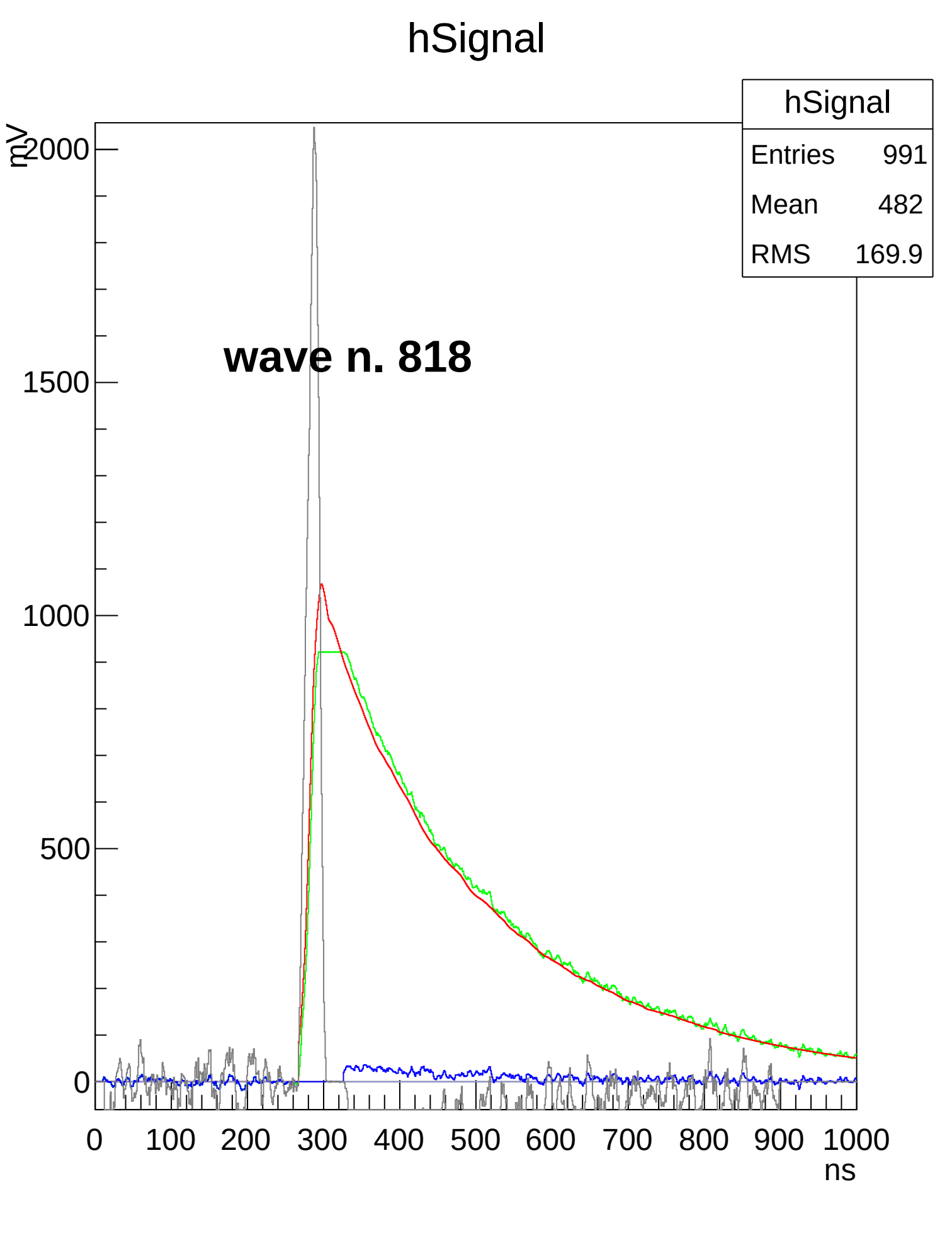

hSignal
hSignal
Entries 991
Mean 530.6
RMS 175.1
wave n. 813
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

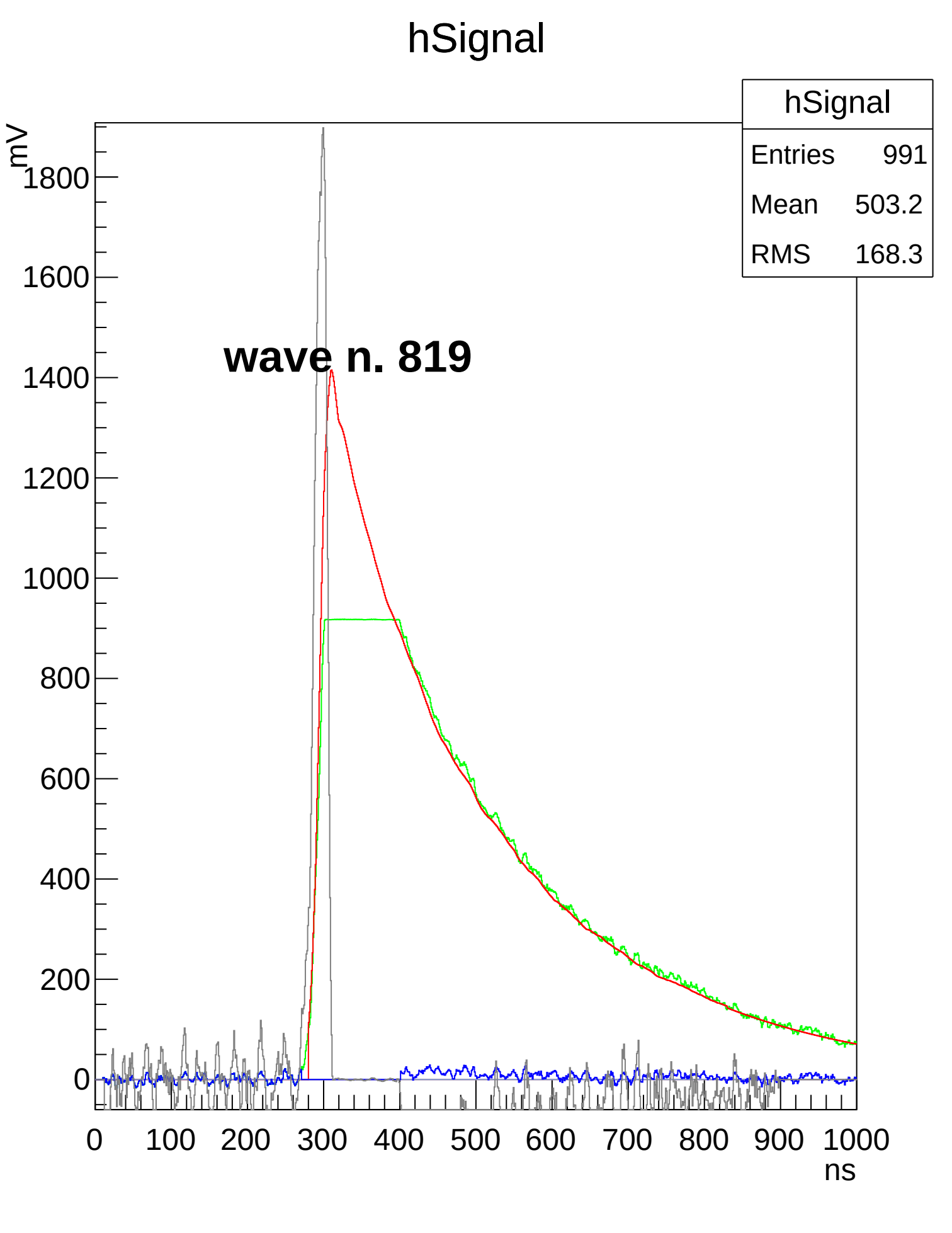

hSignal
hSignal
Entries 991
Mean 488.2
RMS 192.1
wave n. 814
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

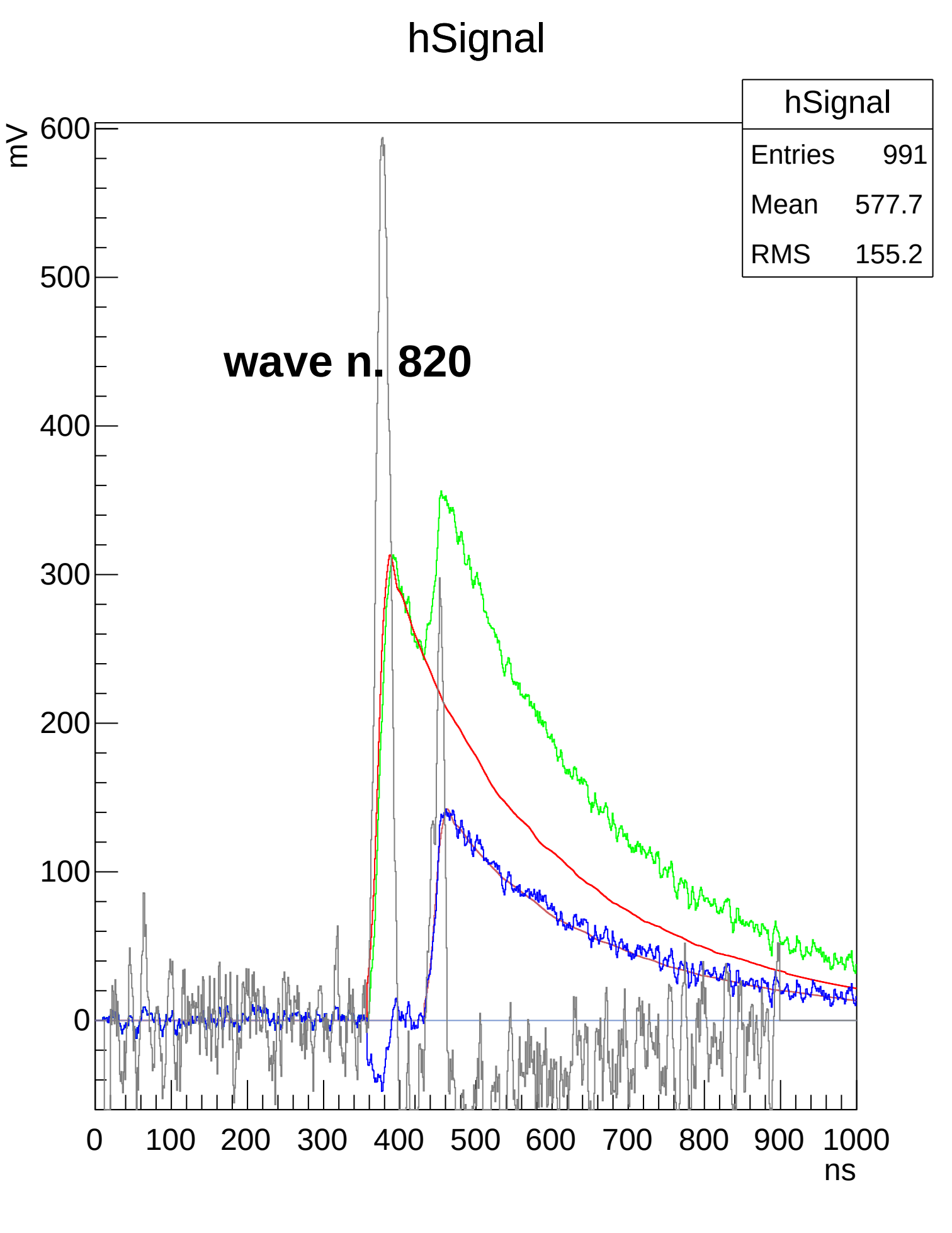

hSignal
hSignal
Entries 991
Mean 519.4
RMS 195.9
wave n. 815
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

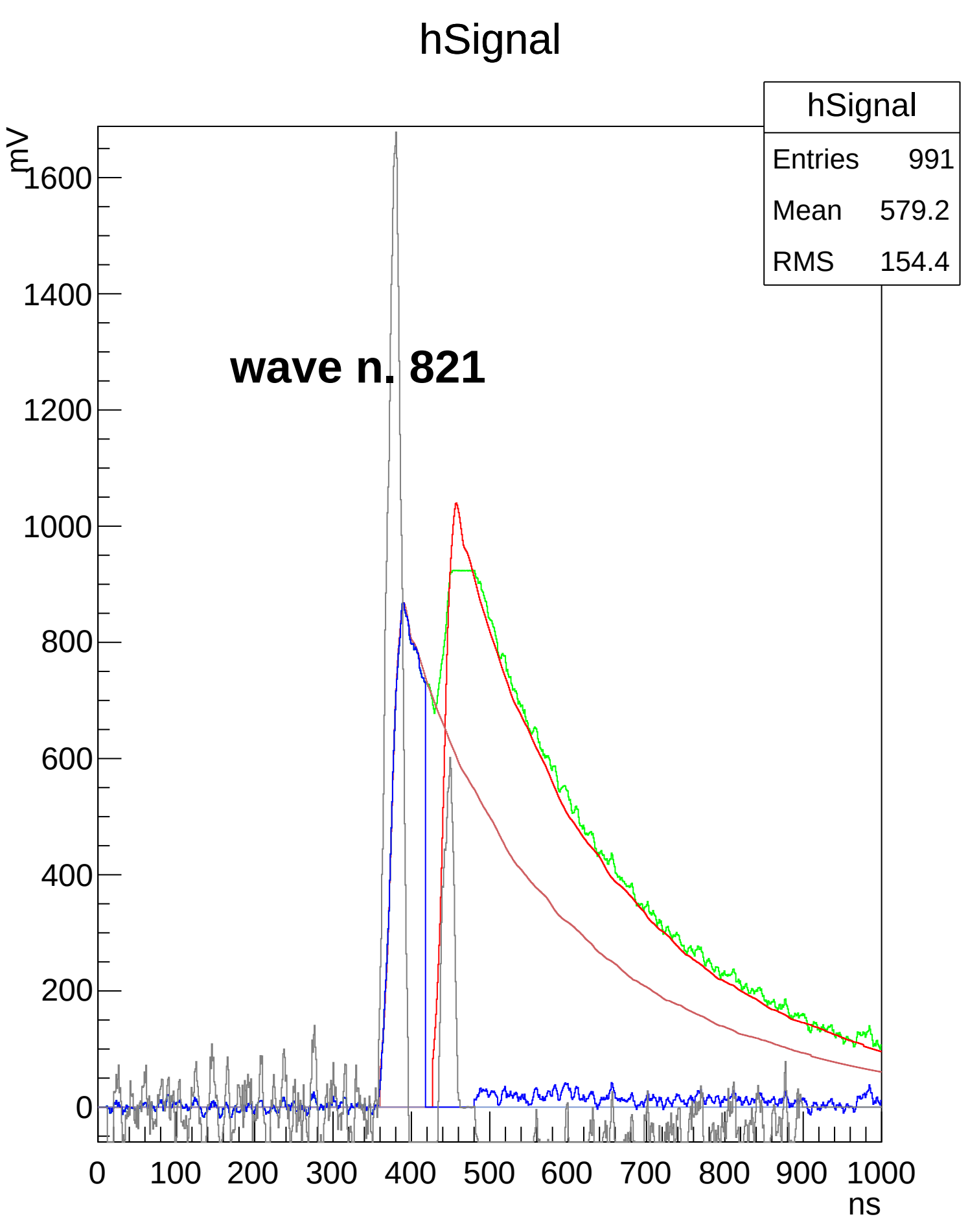

hSignal
hSignal
Entries 991
Mean 506.3
RMS 176.5
wave n. 816
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

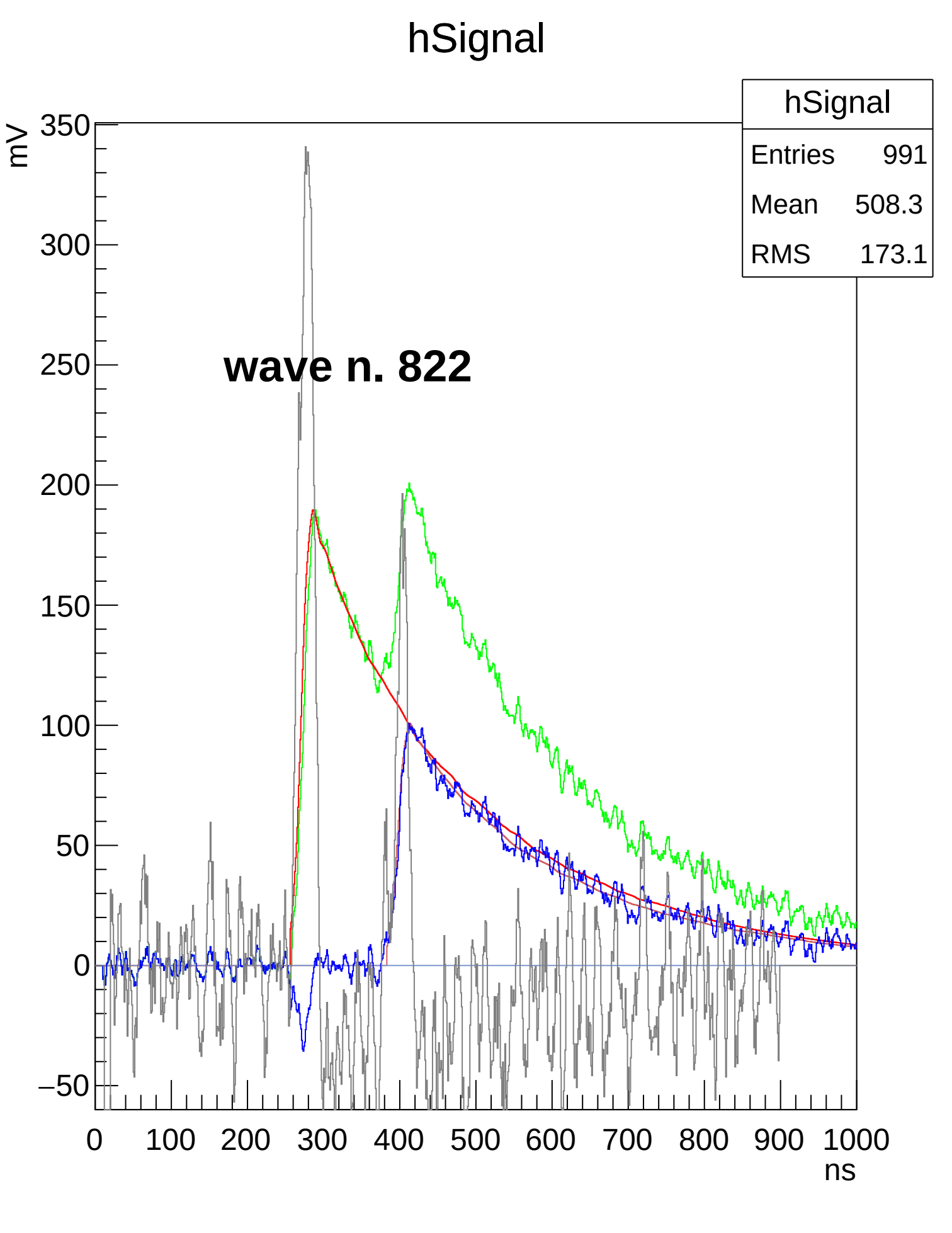

hSignal
hSignal
Entries 991
Mean 508.7
RMS 171
wave n. 817
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

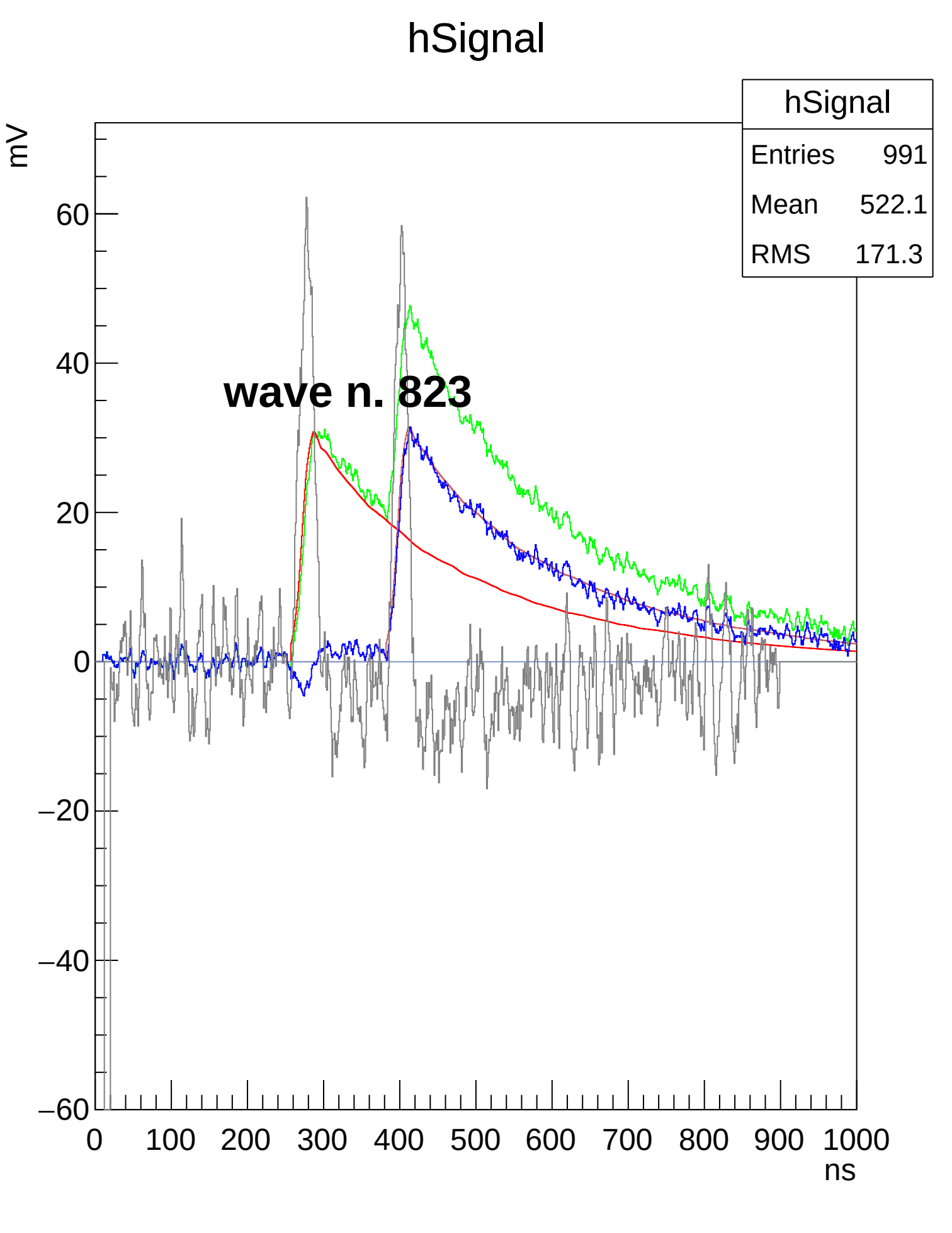

hSignal
hSignal
Entries 991
Mean 482
RMS 169.9
wave n. 818
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

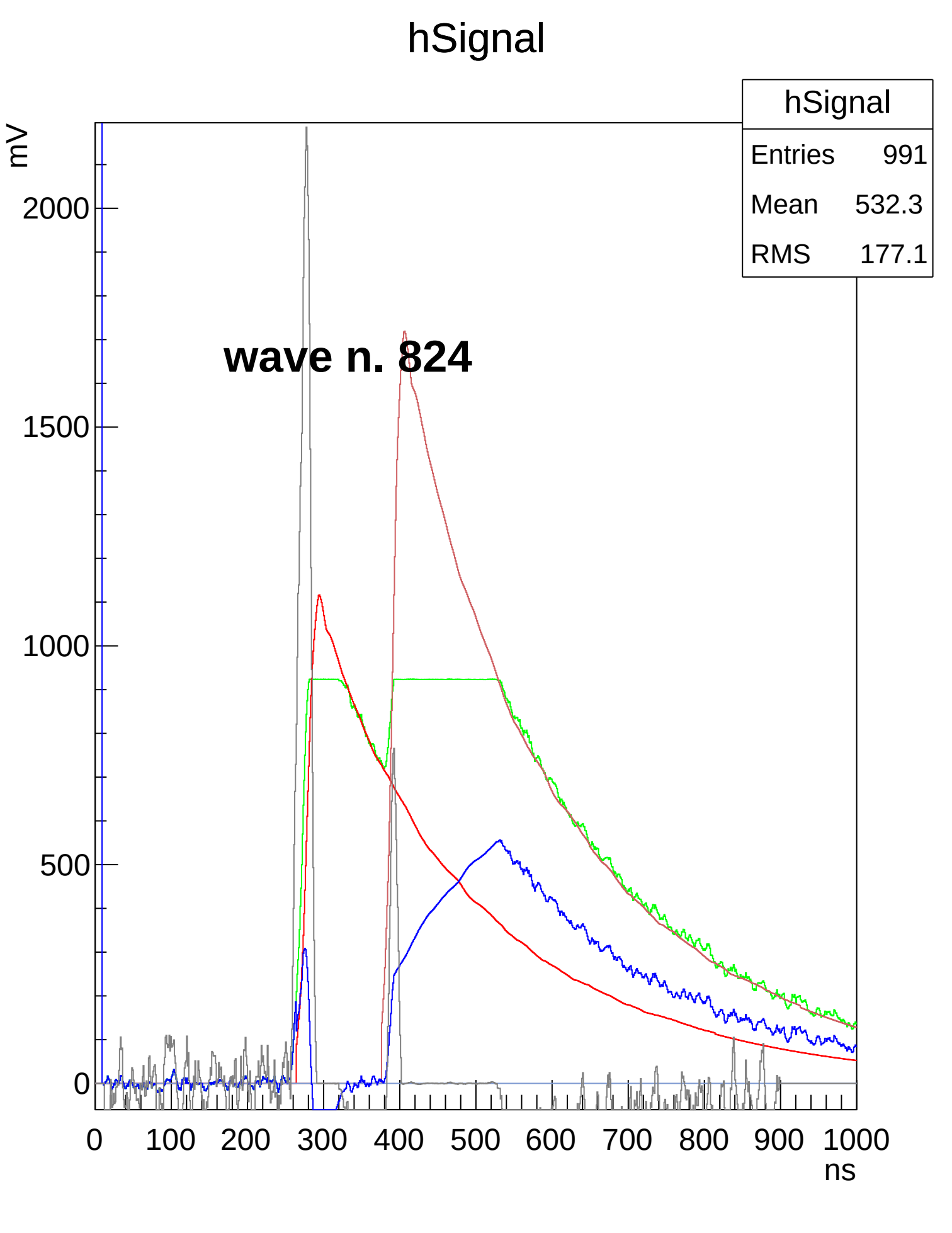

hSignal
hSignal
Entries 991
Mean 503.2
RMS 168.3
wave n. 819
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

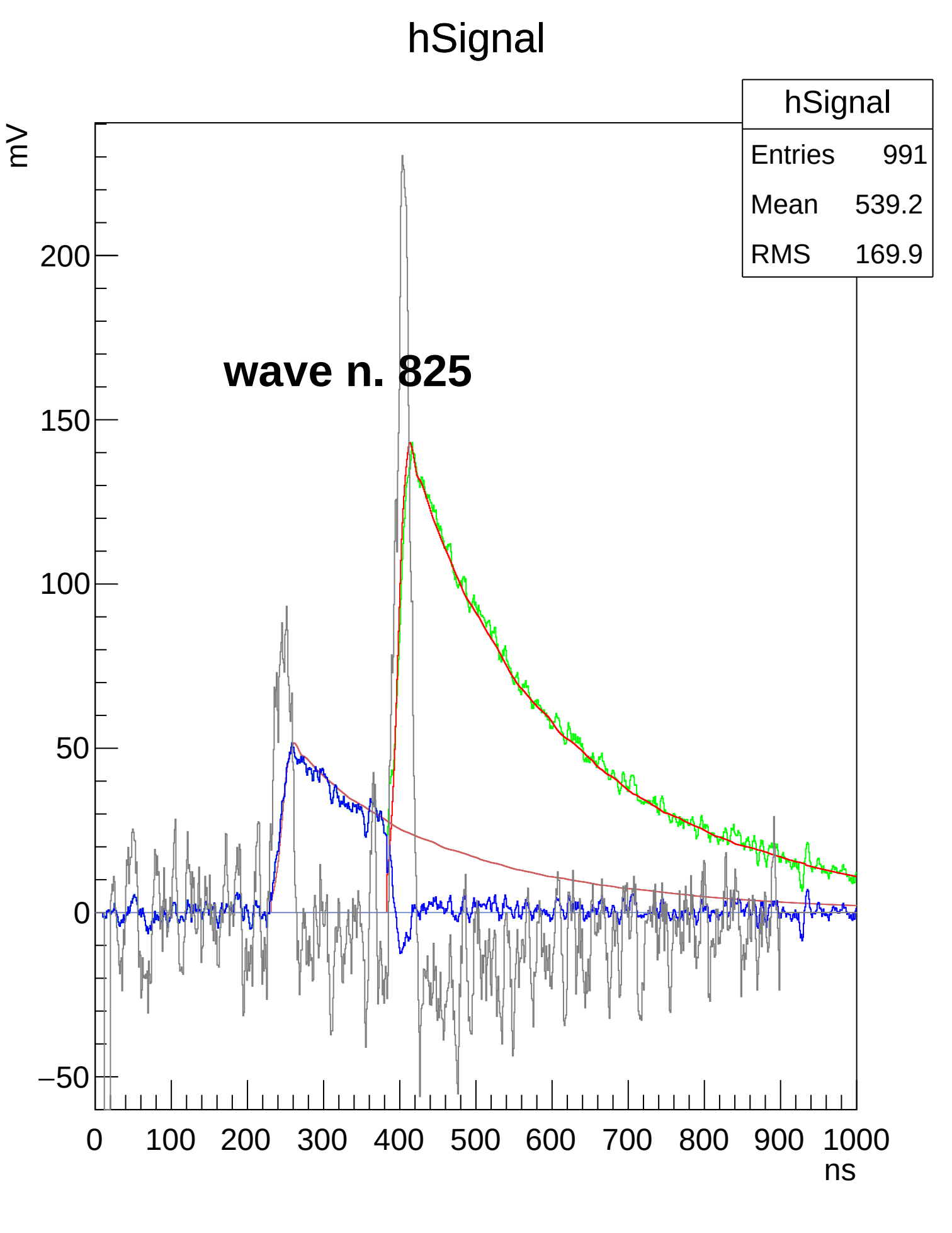

hSignal
hSignal
Entries 991
Mean 577.7
RMS 155.2
wave n. 820
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

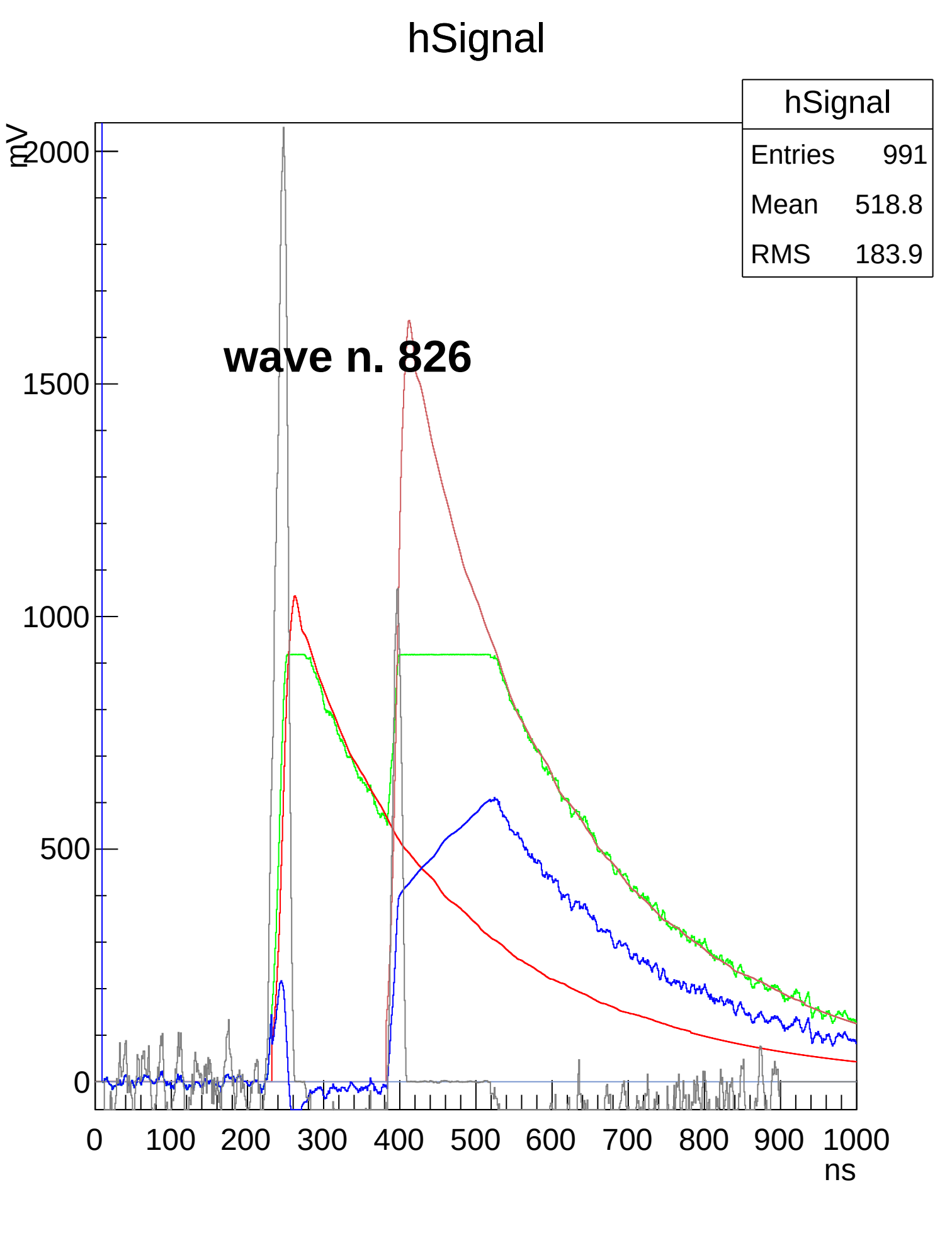

hSignal
hSignal
Entries 991
Mean 579.2
RMS 154.4
wave n. 821
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

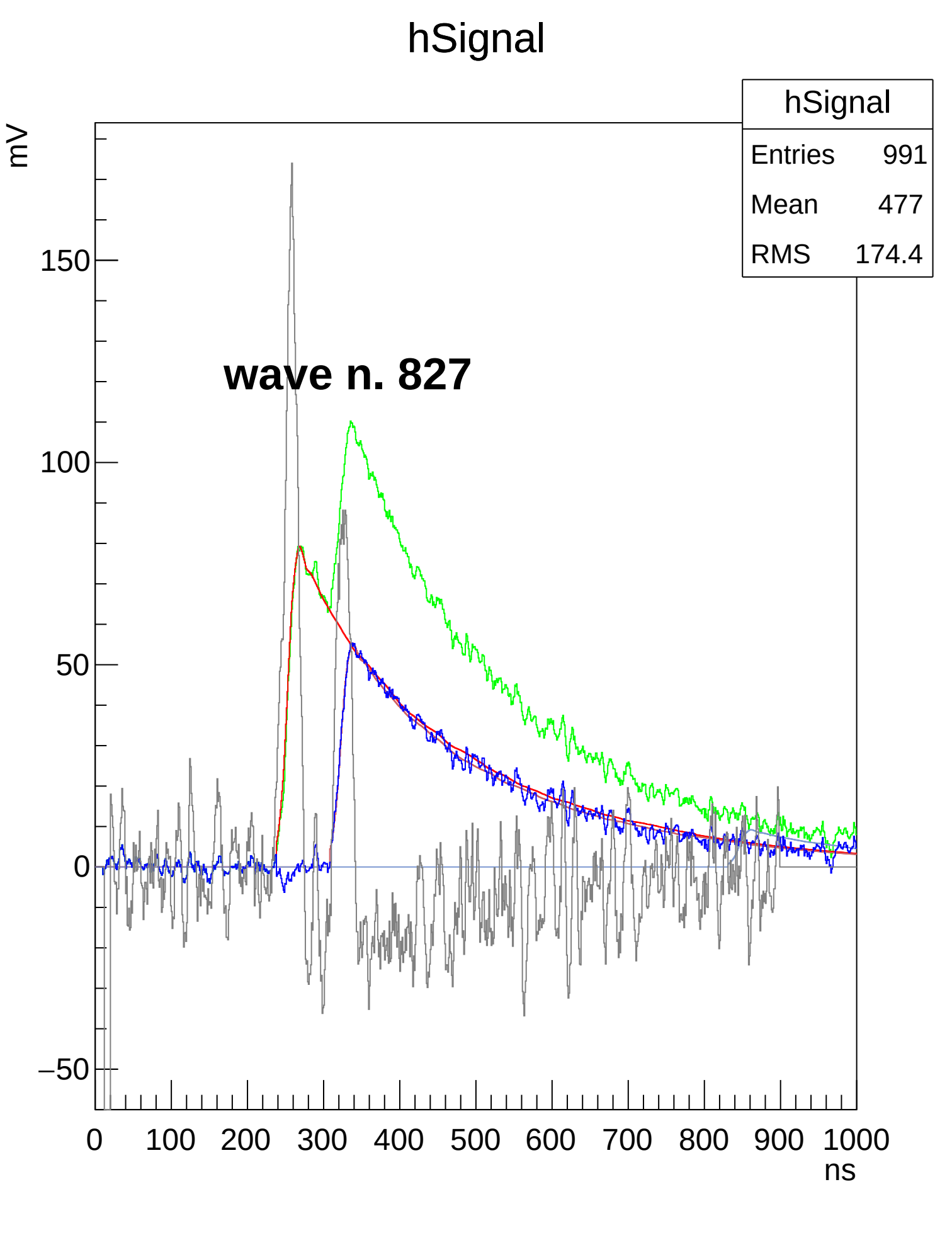

hSignal
hSignal
Entries 991
Mean 508.3
RMS 173.1
wave n. 822
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

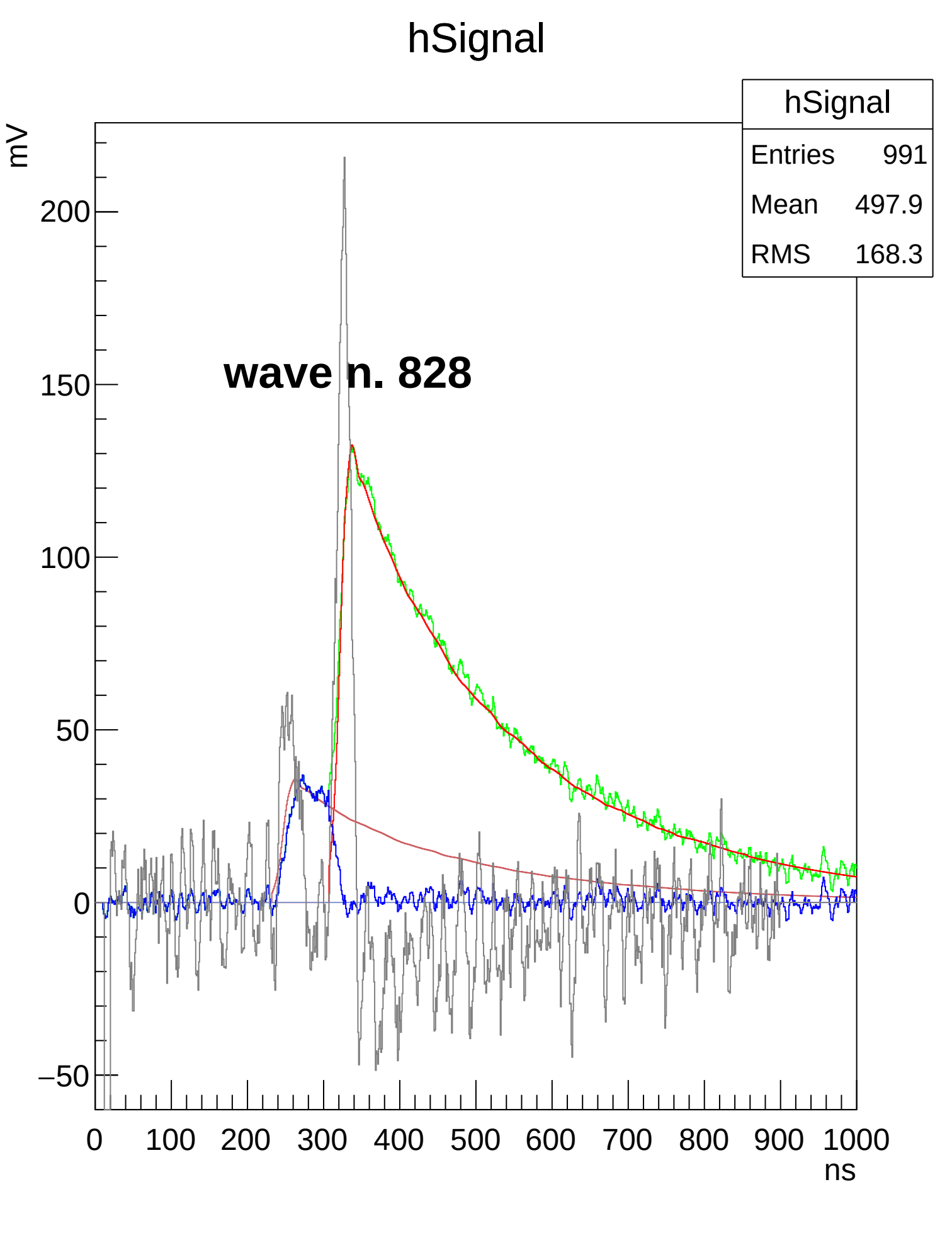

hSignal
hSignal
Entries 991
Mean 522.1
RMS 171.3
wave n. 823
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

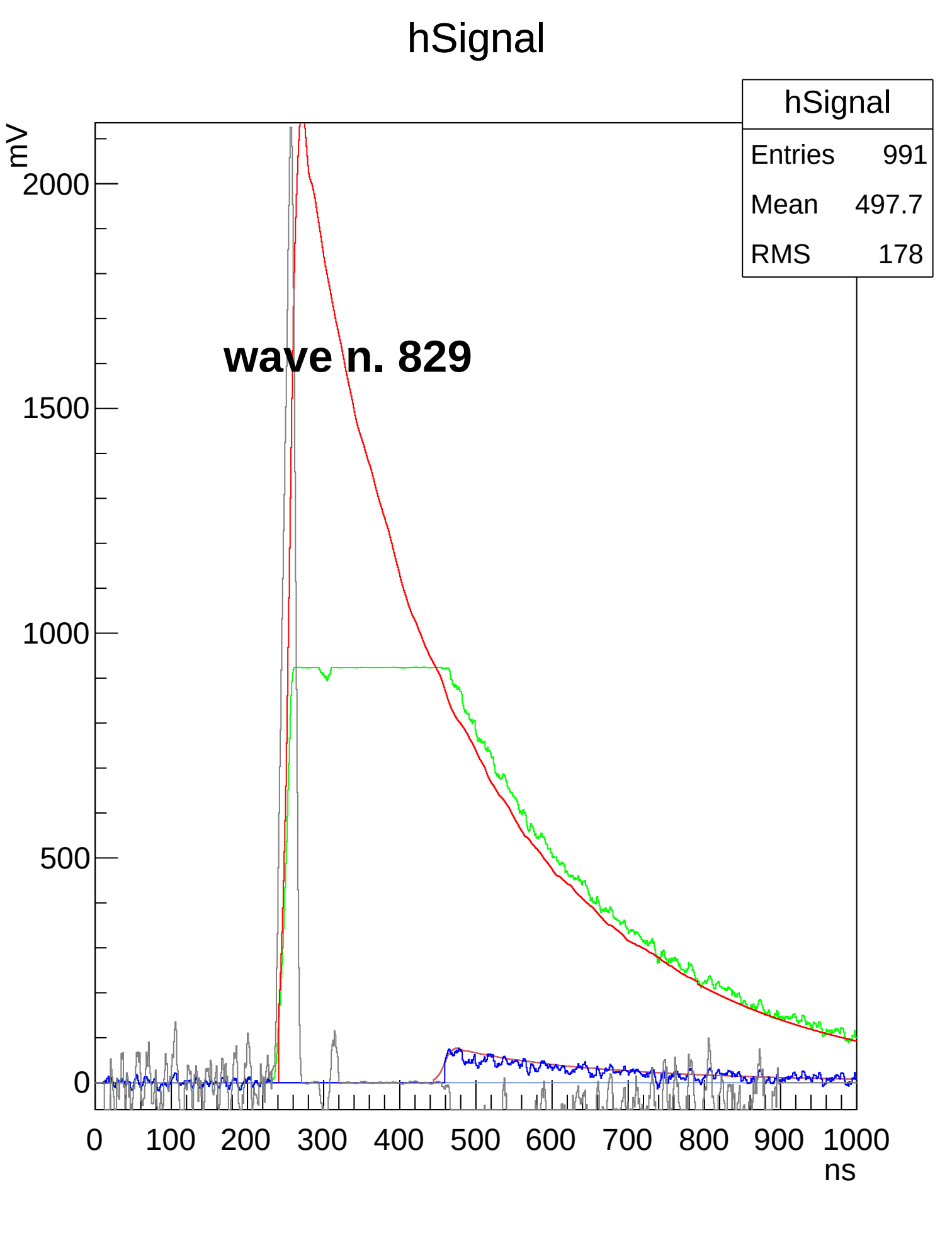

hSignal
hSignal
Entries 991
Mean 532.3
RMS 177.1
wave n. 824
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

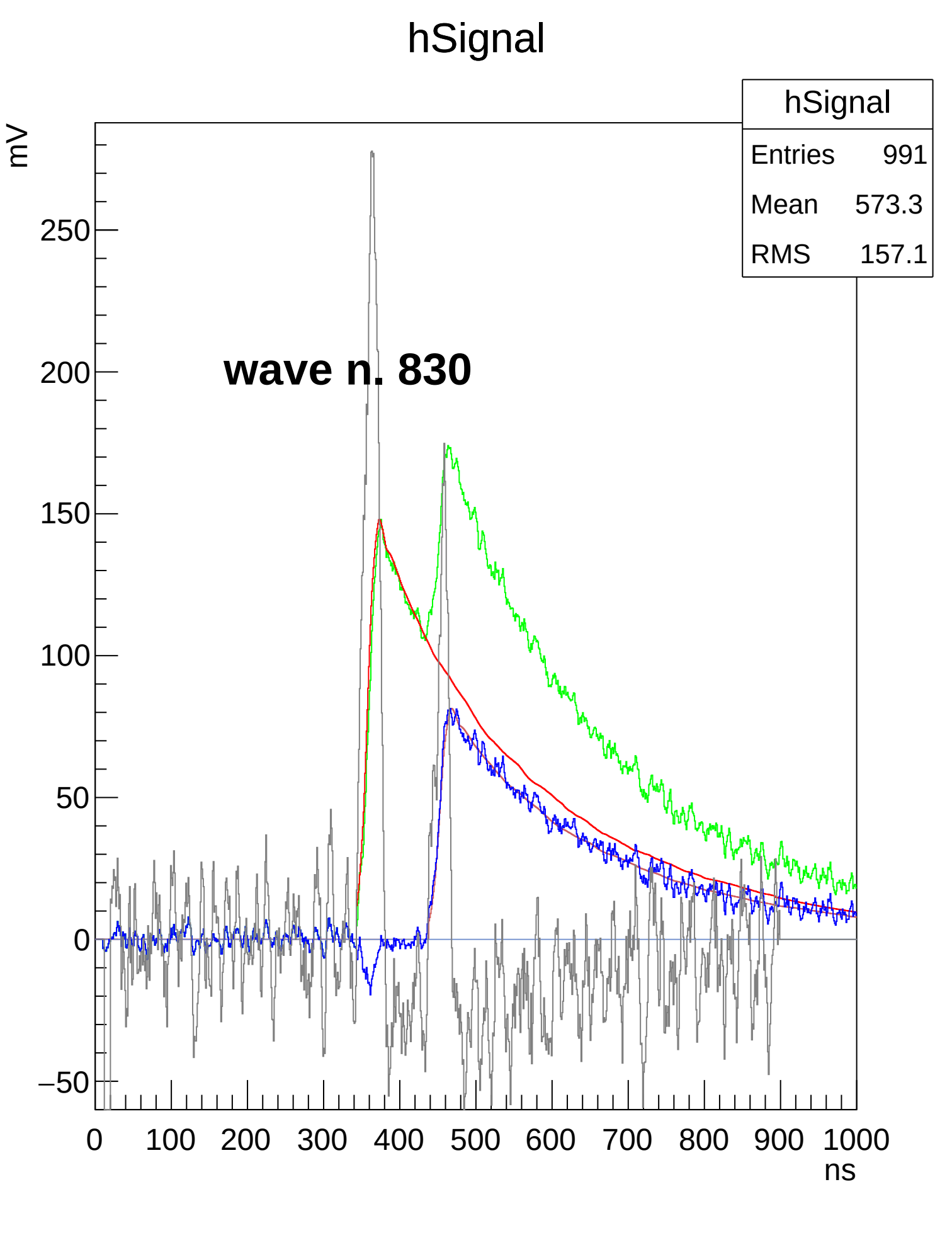

hSignal
hSignal
Entries 991
Mean 539.2
RMS 169.9
wave n. 825
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

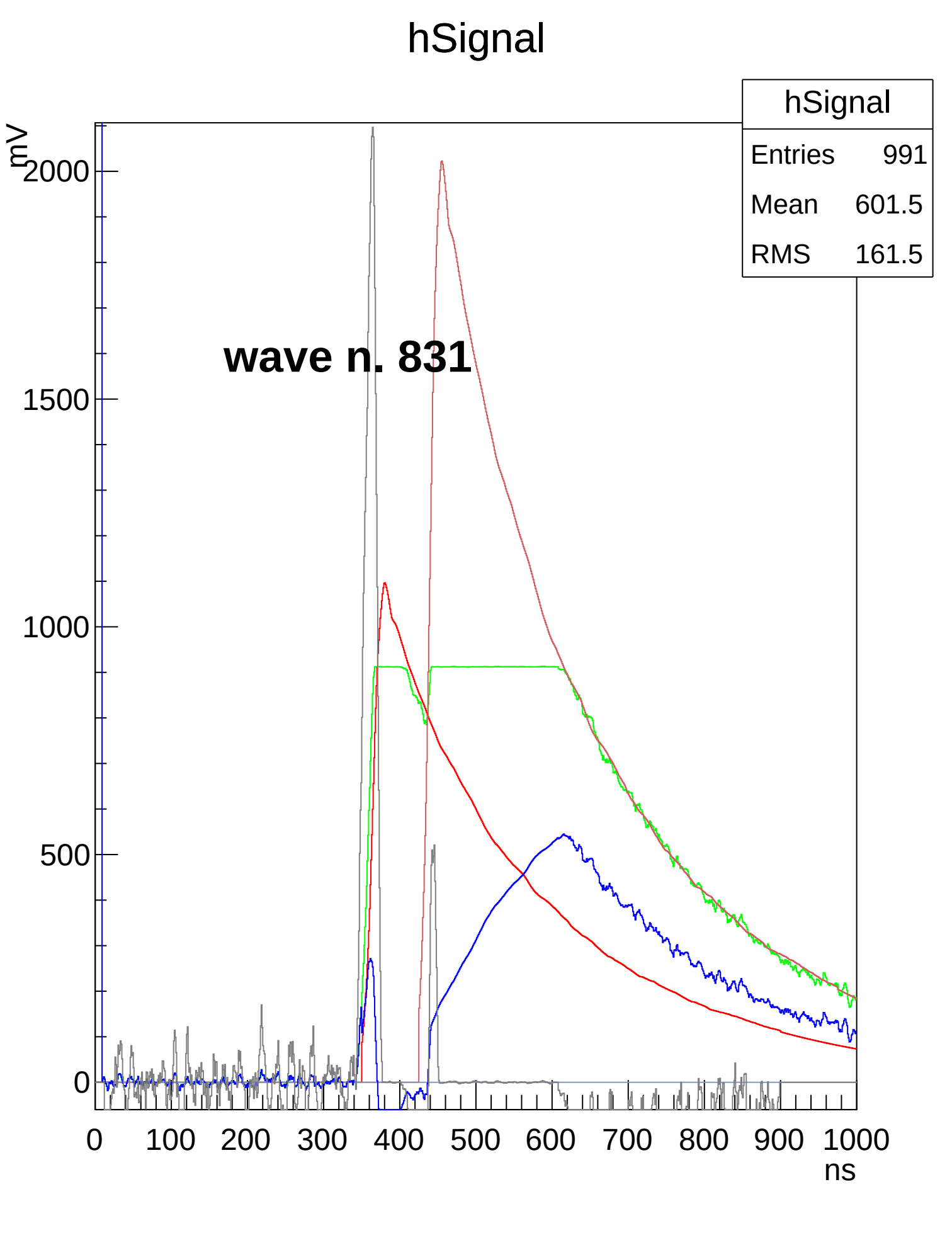

hSignal
hSignal
Entries 991
Mean 518.8
RMS 183.9
wave n. 826
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

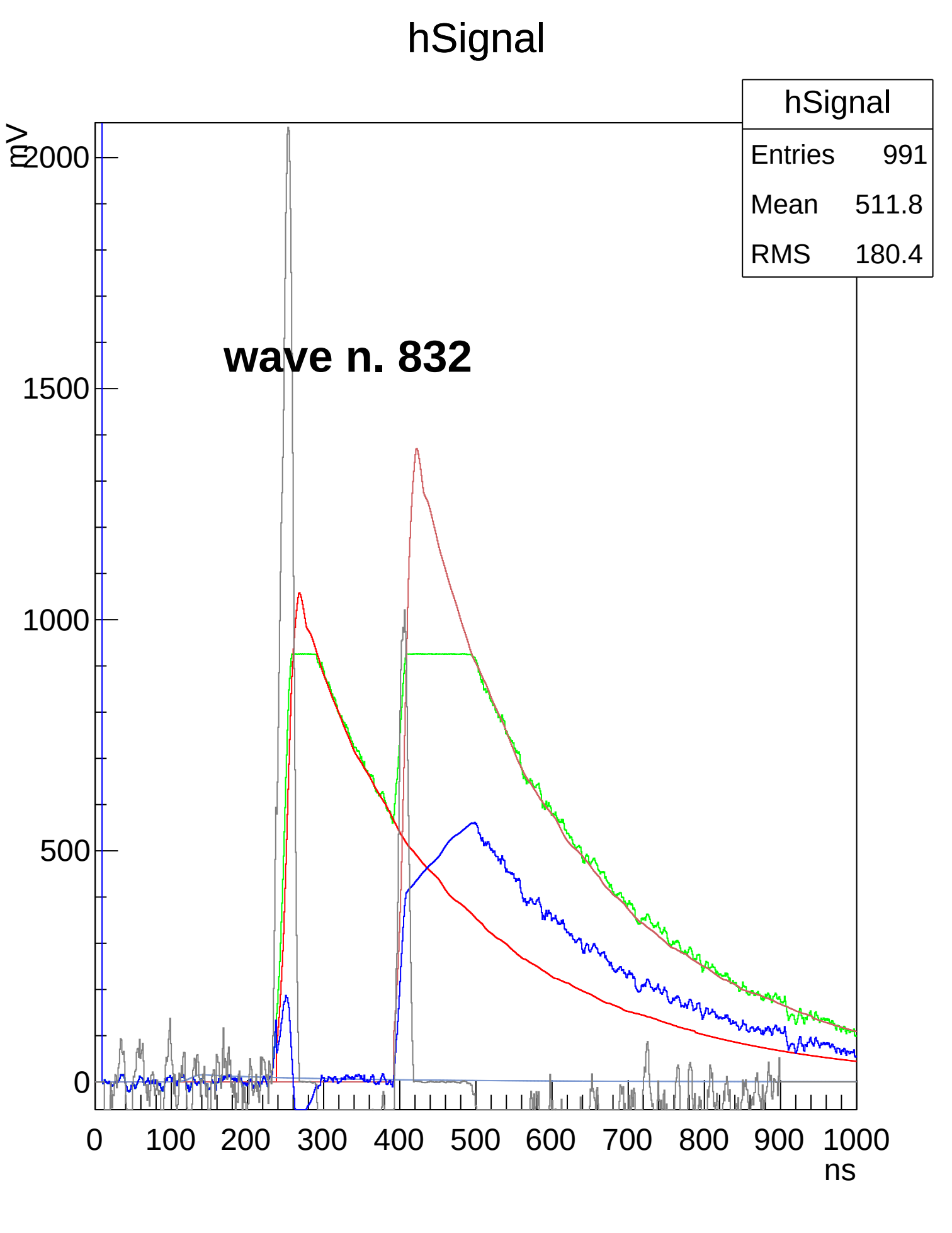

hSignal
hSignal
Entries 991
Mean 477
RMS 174.4
wave n. 827
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

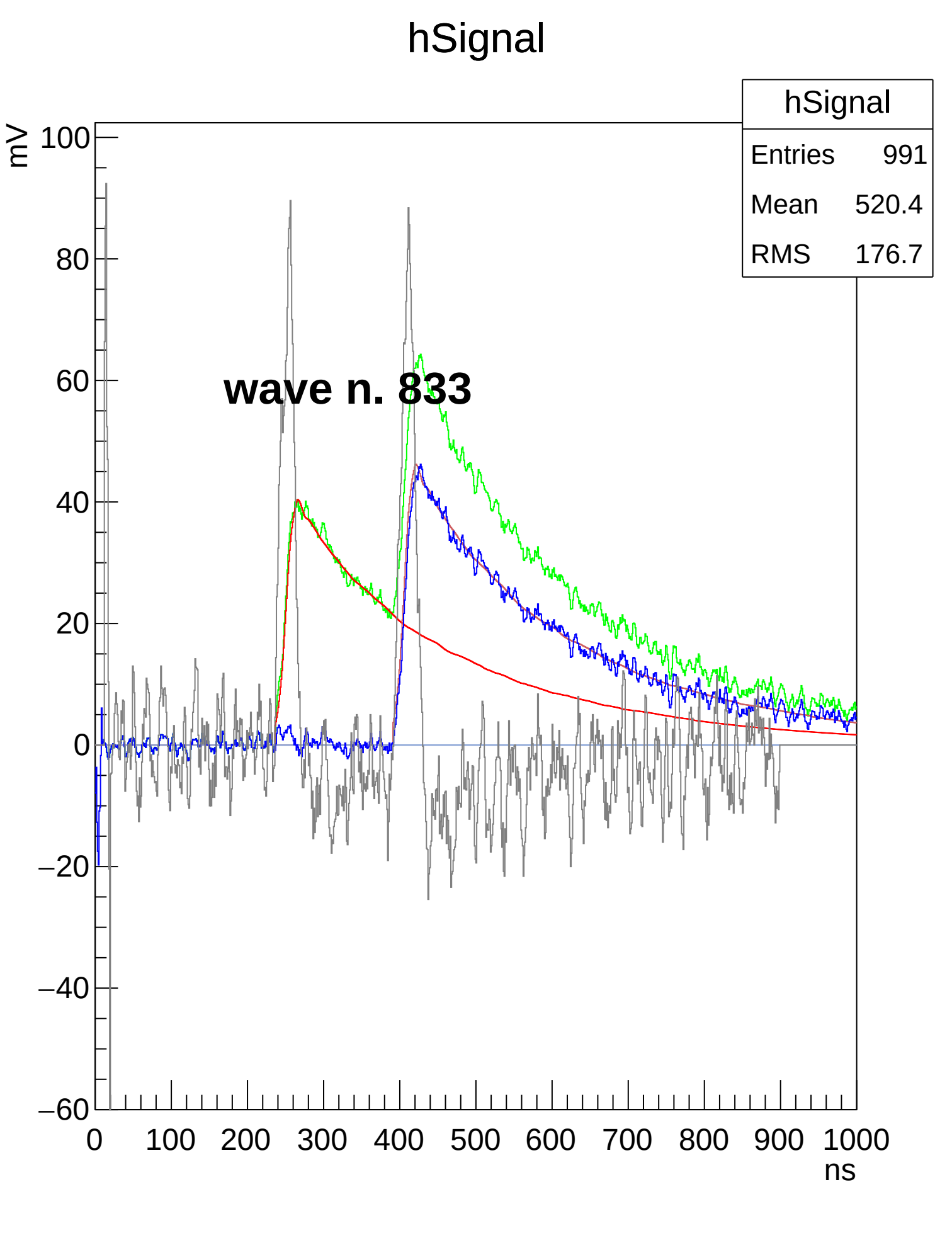

hSignal
hSignal
Entries 991
Mean 497.9
RMS 168.3
wave n. 828
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

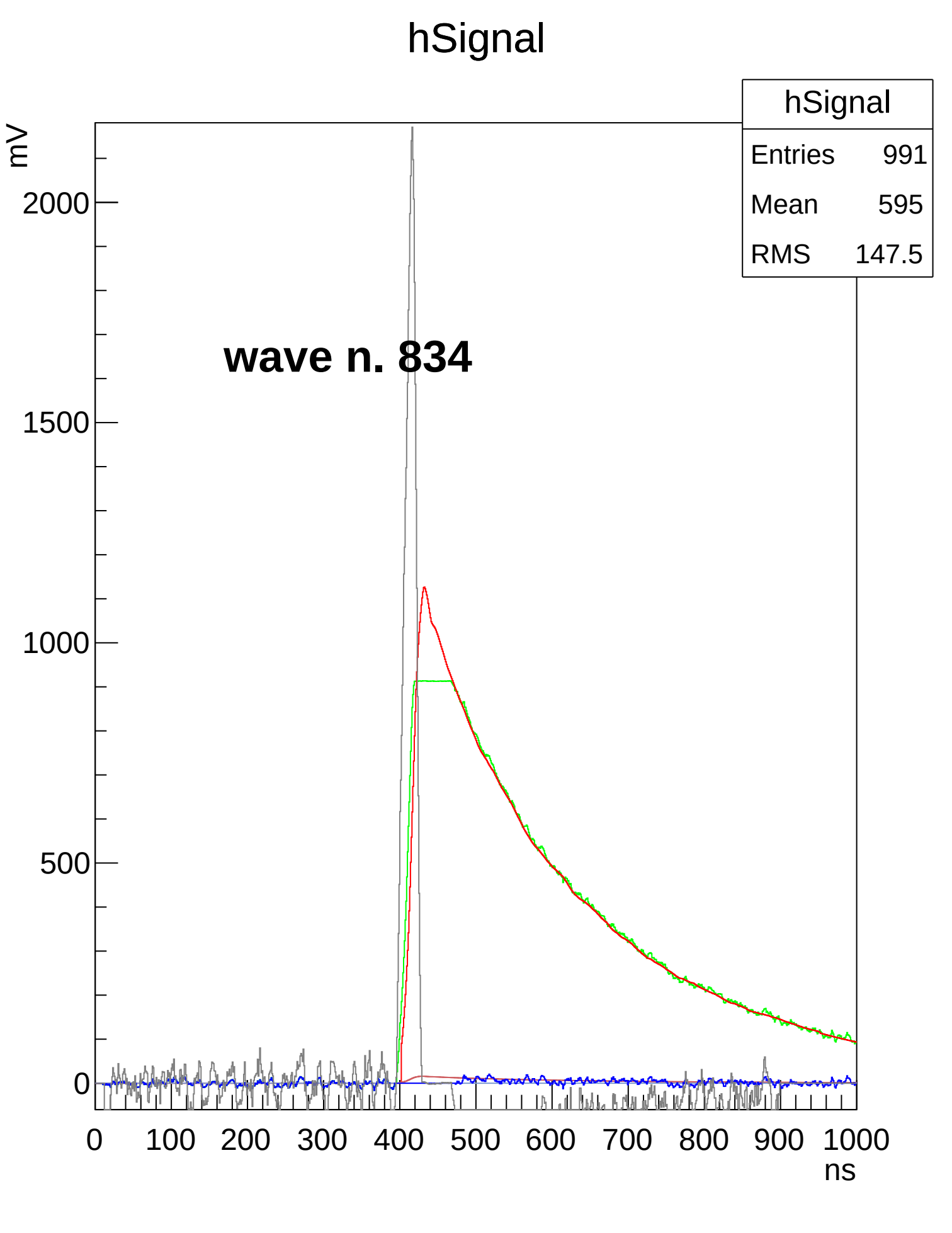

hSignal
hSignal
Entries 991
Mean 497.7
RMS 178
wave n. 829
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

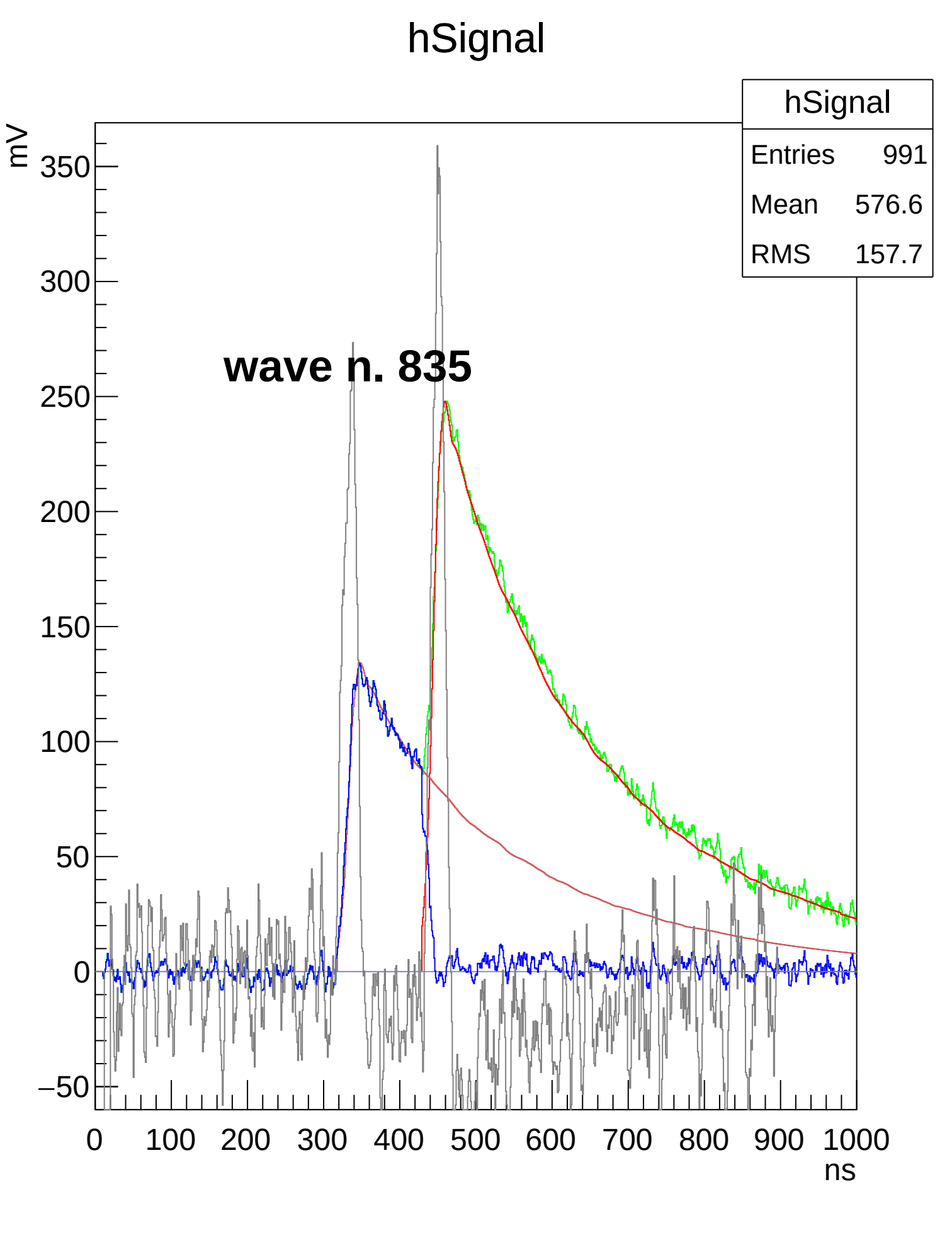

hSignal
hSignal
Entries 991
Mean 573.3
RMS 157.1
wave n. 830
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

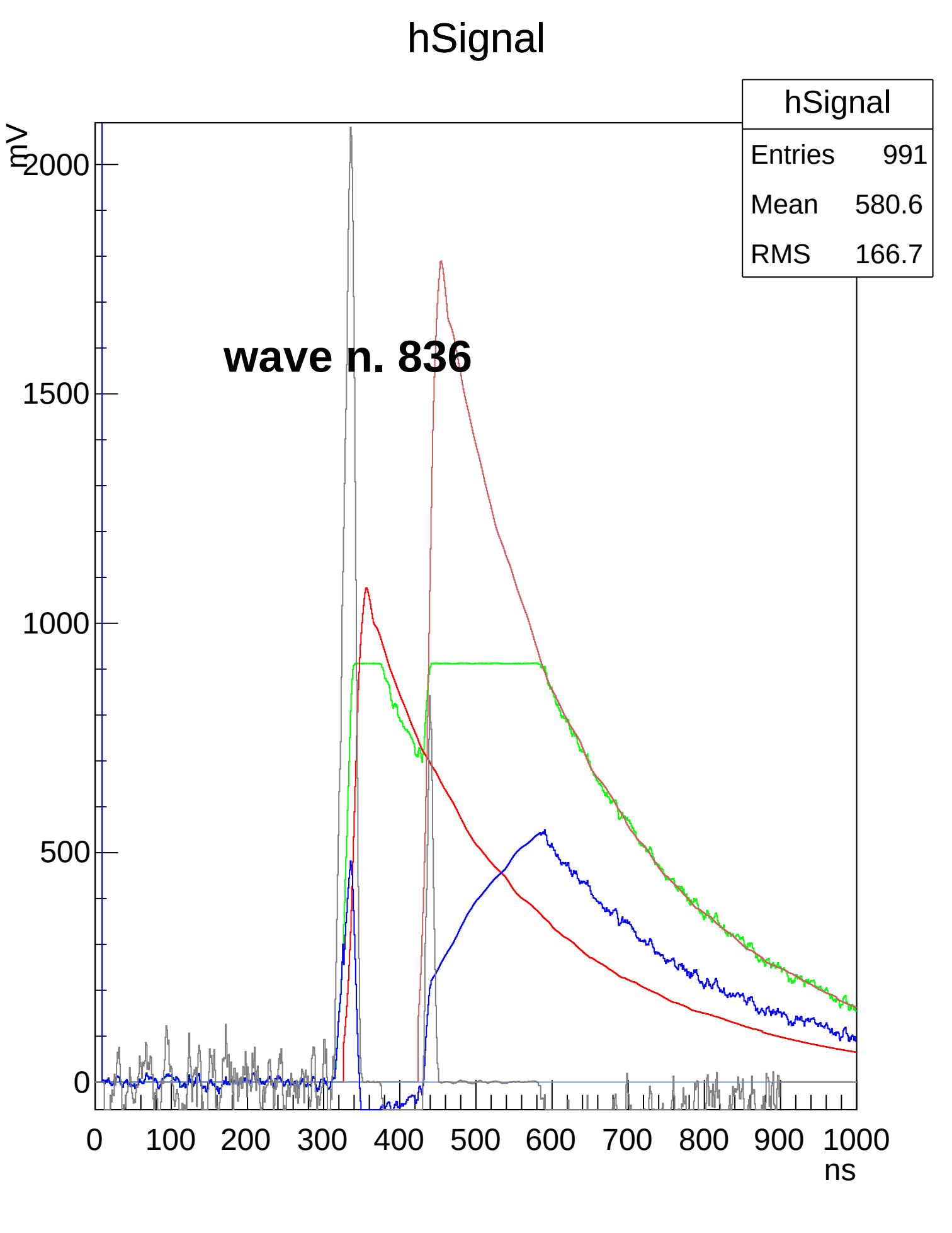

hSignal
hSignal
Entries 991
Mean 601.5
RMS 161.5
wave n. 831
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

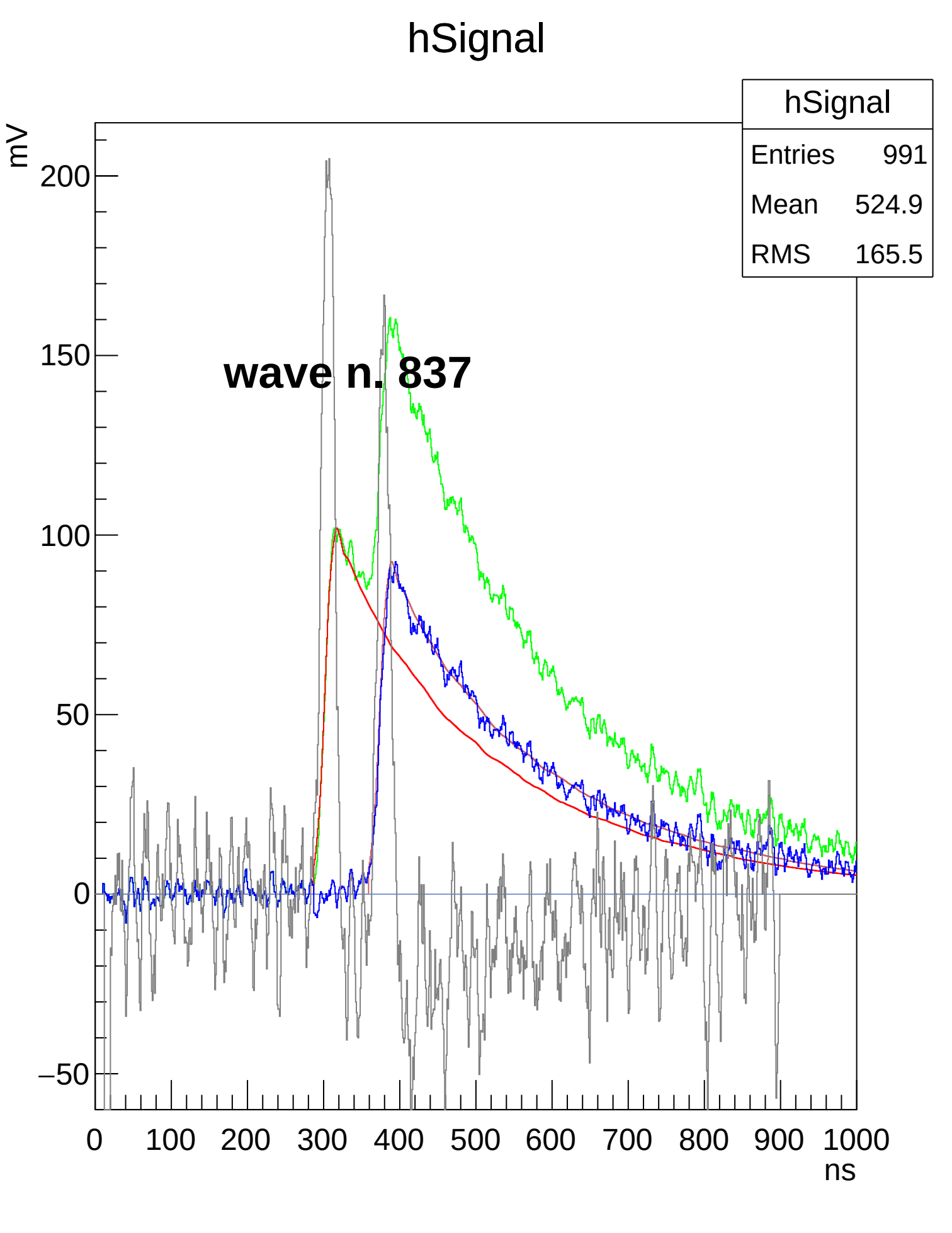

hSignal
hSignal
Entries 991
Mean 511.8
RMS 180.4
wave n. 832
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

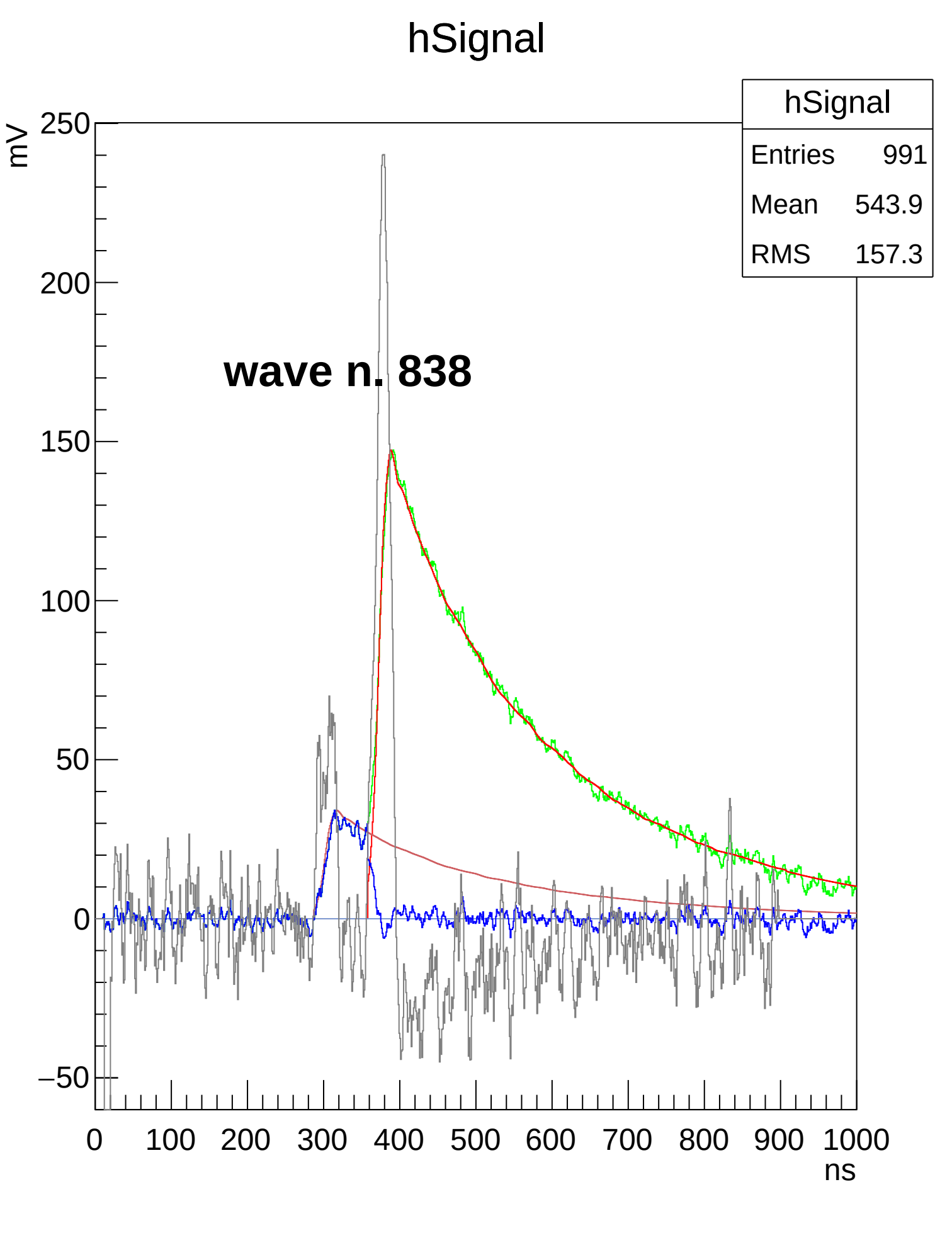

hSignal
hSignal
Entries 991
Mean 520.4
RMS 176.7
wave n. 833
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

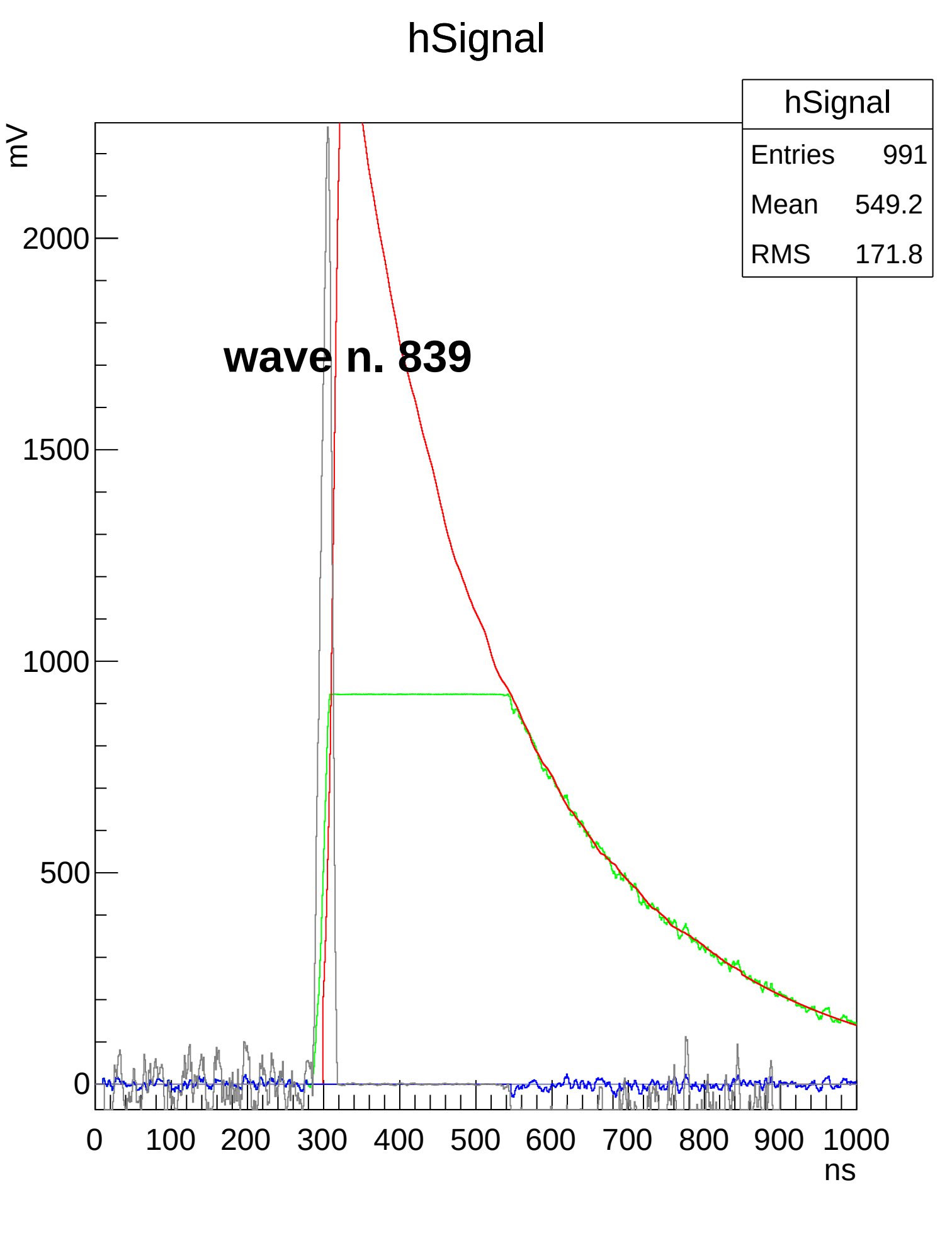

hSignal
hSignal
Entries 991
Mean 595
RMS 147.5
wave n. 834
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

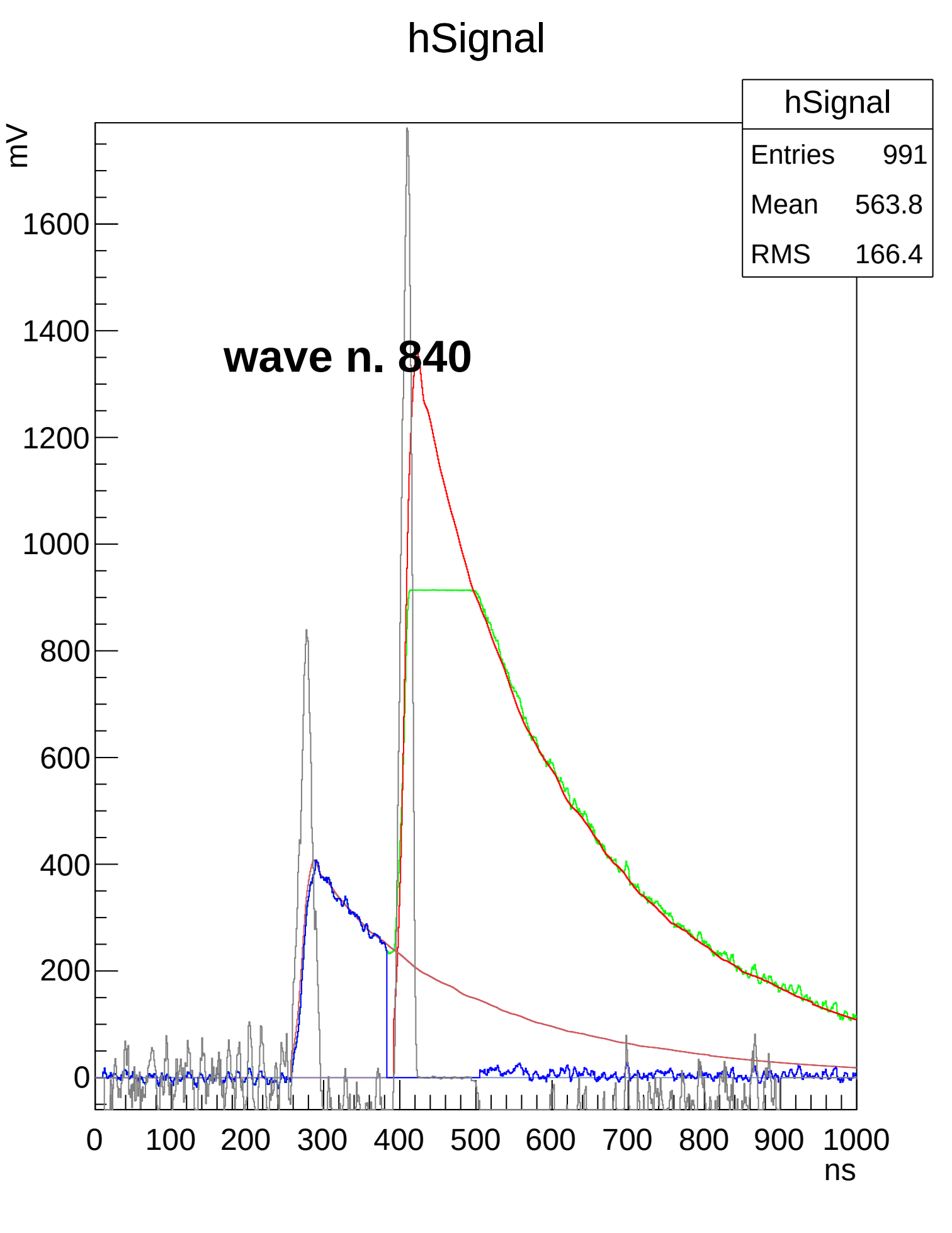

hSignal
hSignal
Entries 991
Mean 576.6
RMS 157.7
wave n. 835
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

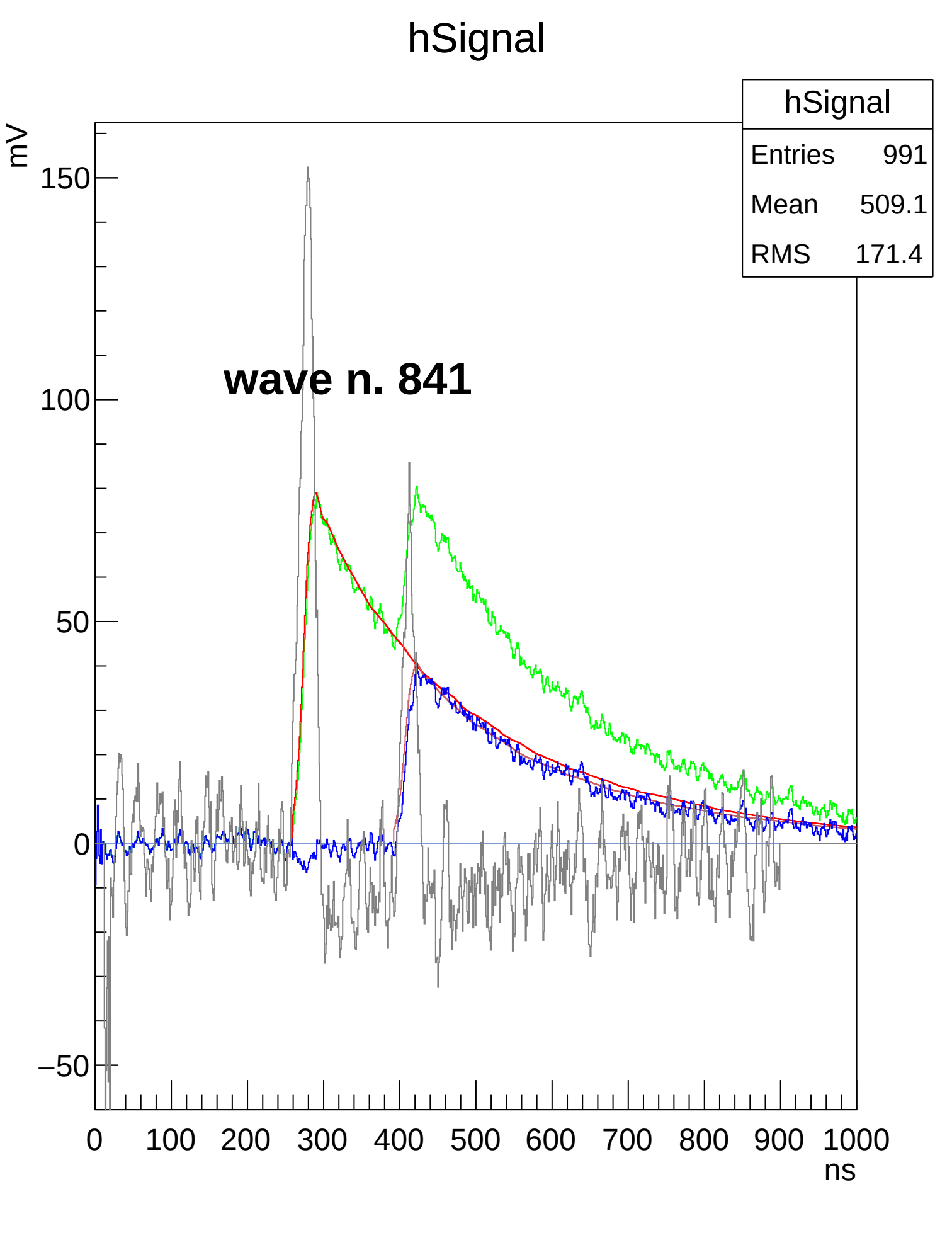

hSignal
hSignal
Entries 991
Mean 580.6
RMS 166.7
wave n. 836
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

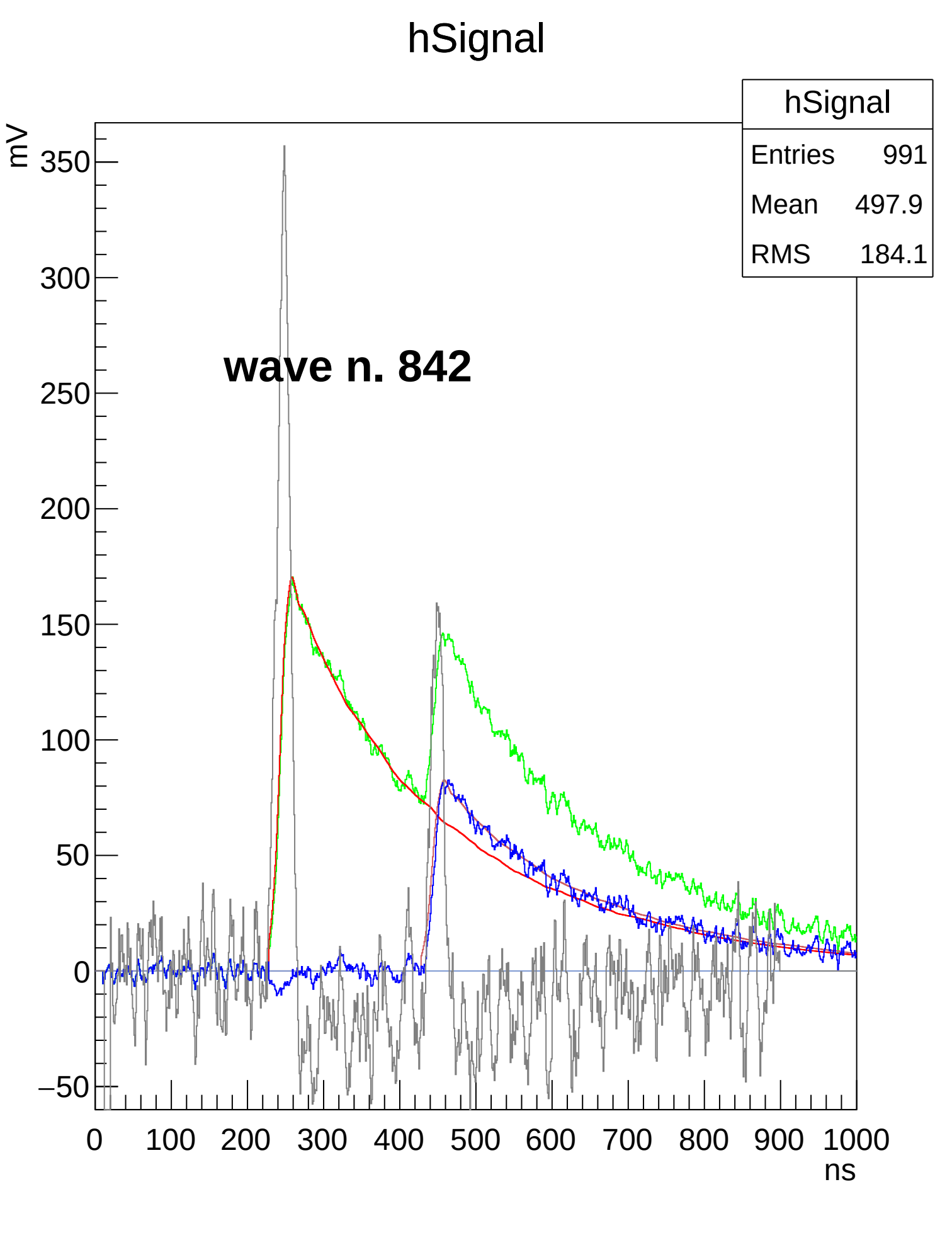

hSignal
hSignal
Entries 991
Mean 524.9
RMS 165.5
wave n. 837
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

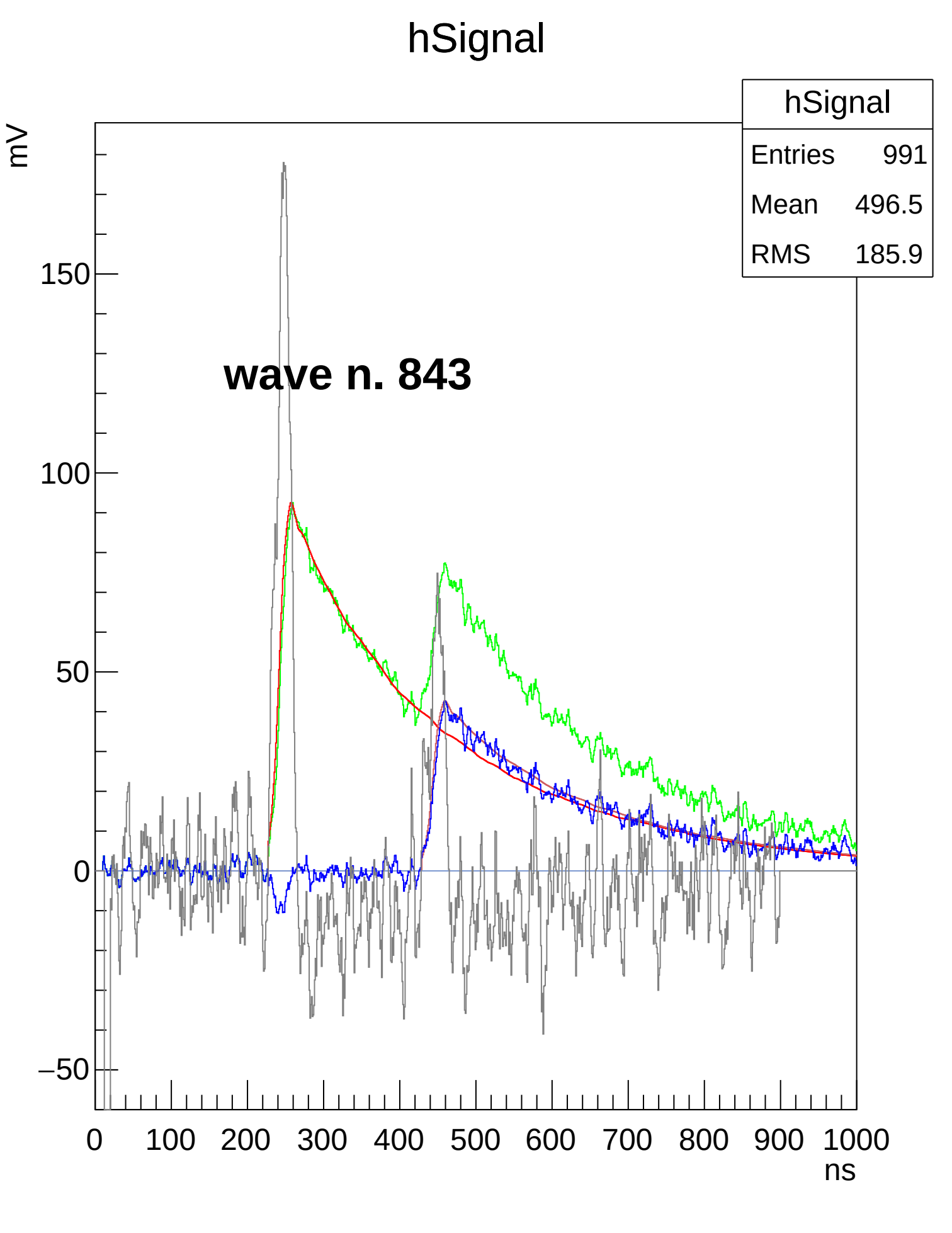

hSignal
hSignal
Entries 991
Mean 543.9
RMS 157.3
wave n. 838
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

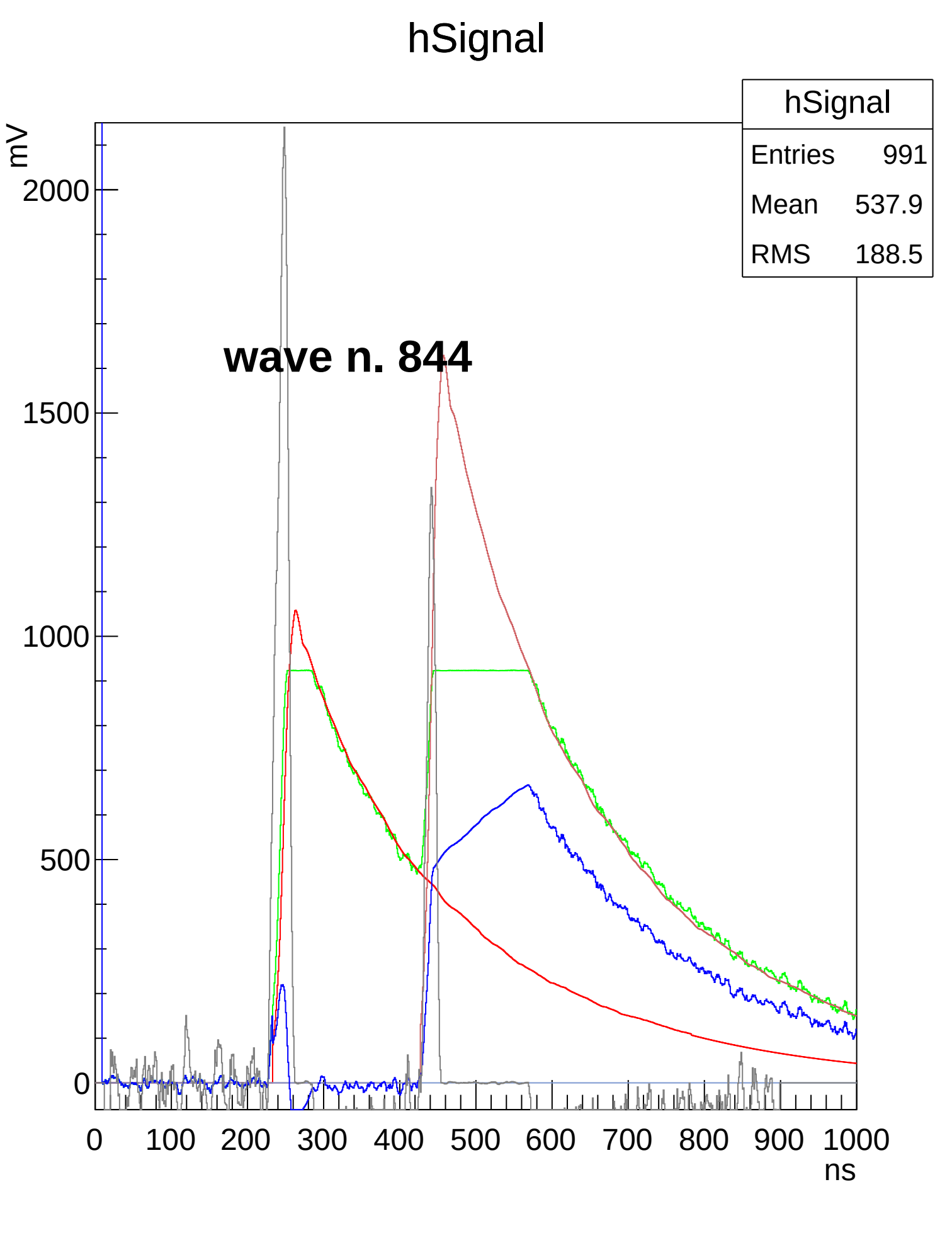

hSignal
hSignal
Entries 991
Mean 549.2
RMS 171.8
wave n. 839
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

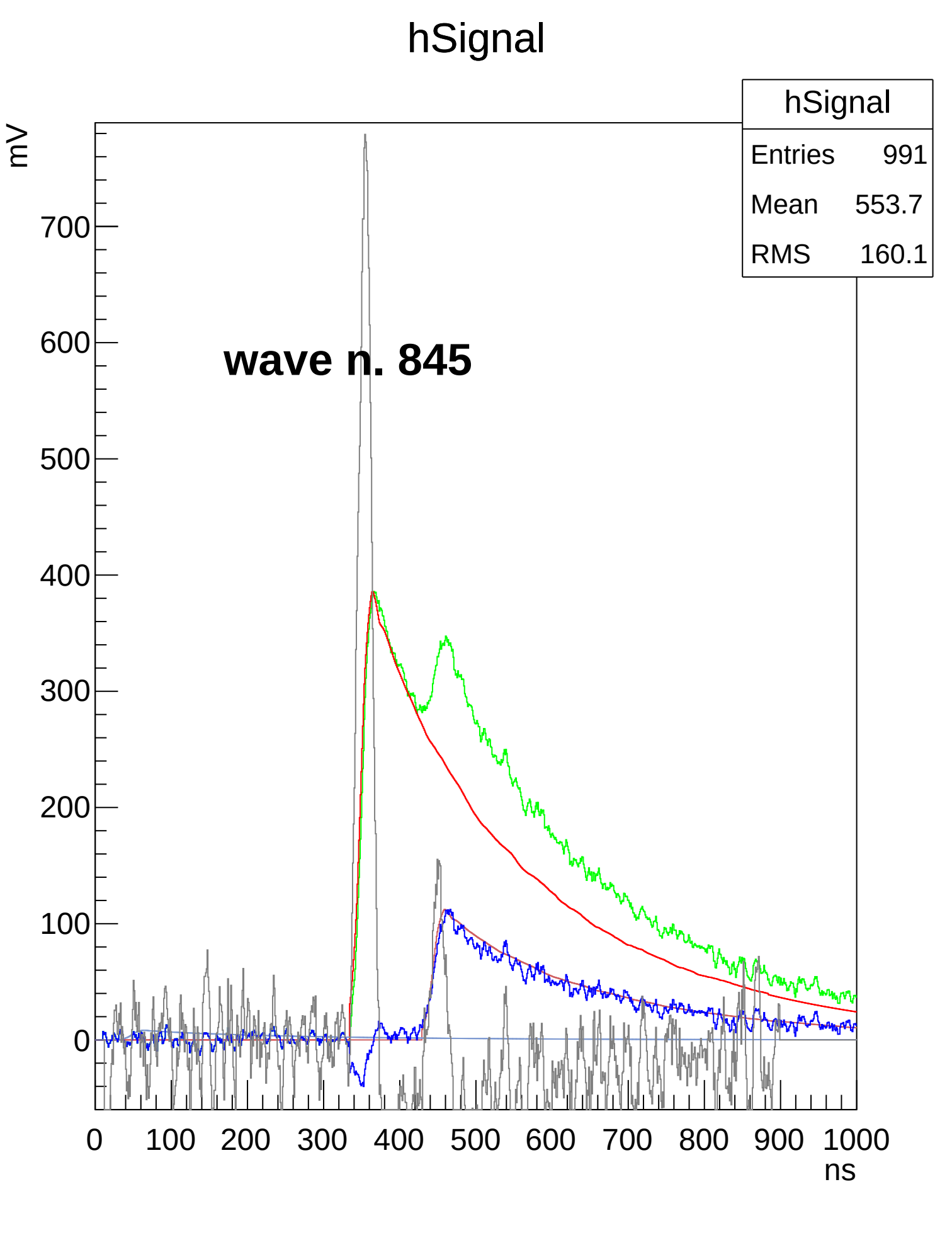

hSignal
hSignal
Entries 991
Mean 563.8
RMS 166.4
wave n. 840
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

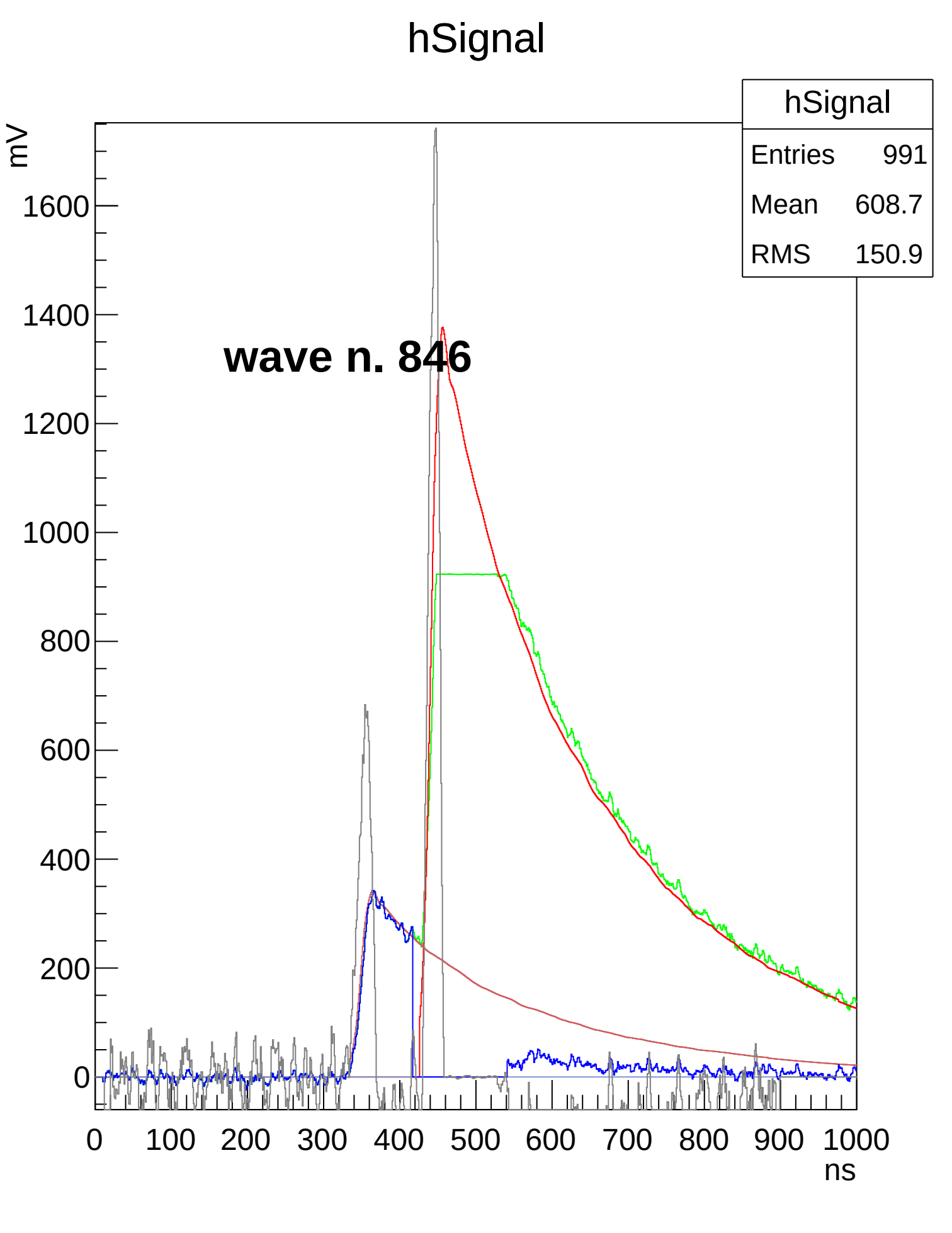

hSignal
hSignal
Entries 991
Mean 509.1
RMS 171.4
wave n. 841
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

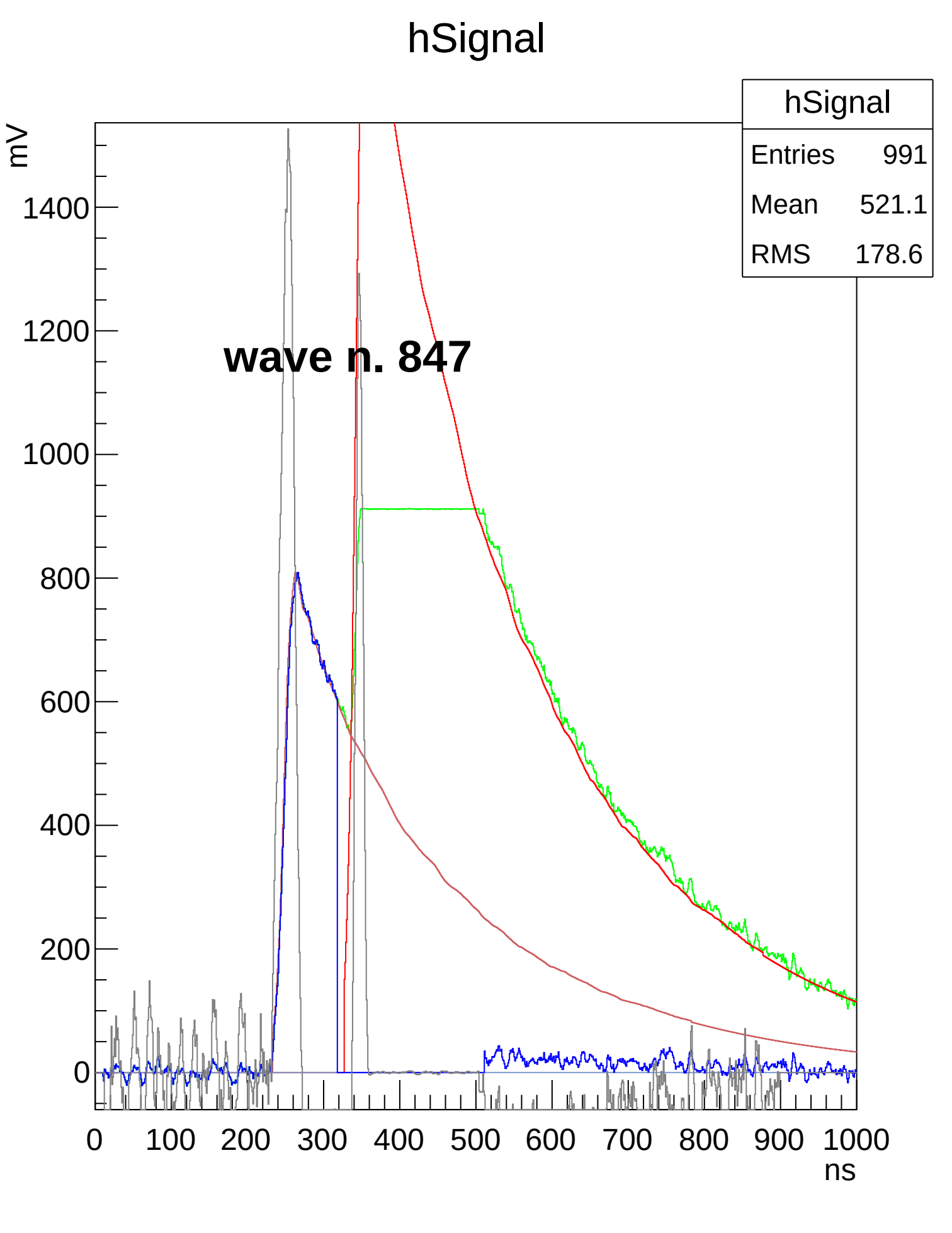

hSignal
hSignal
Entries 991
Mean 497.9
RMS 184.1
wave n. 842
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

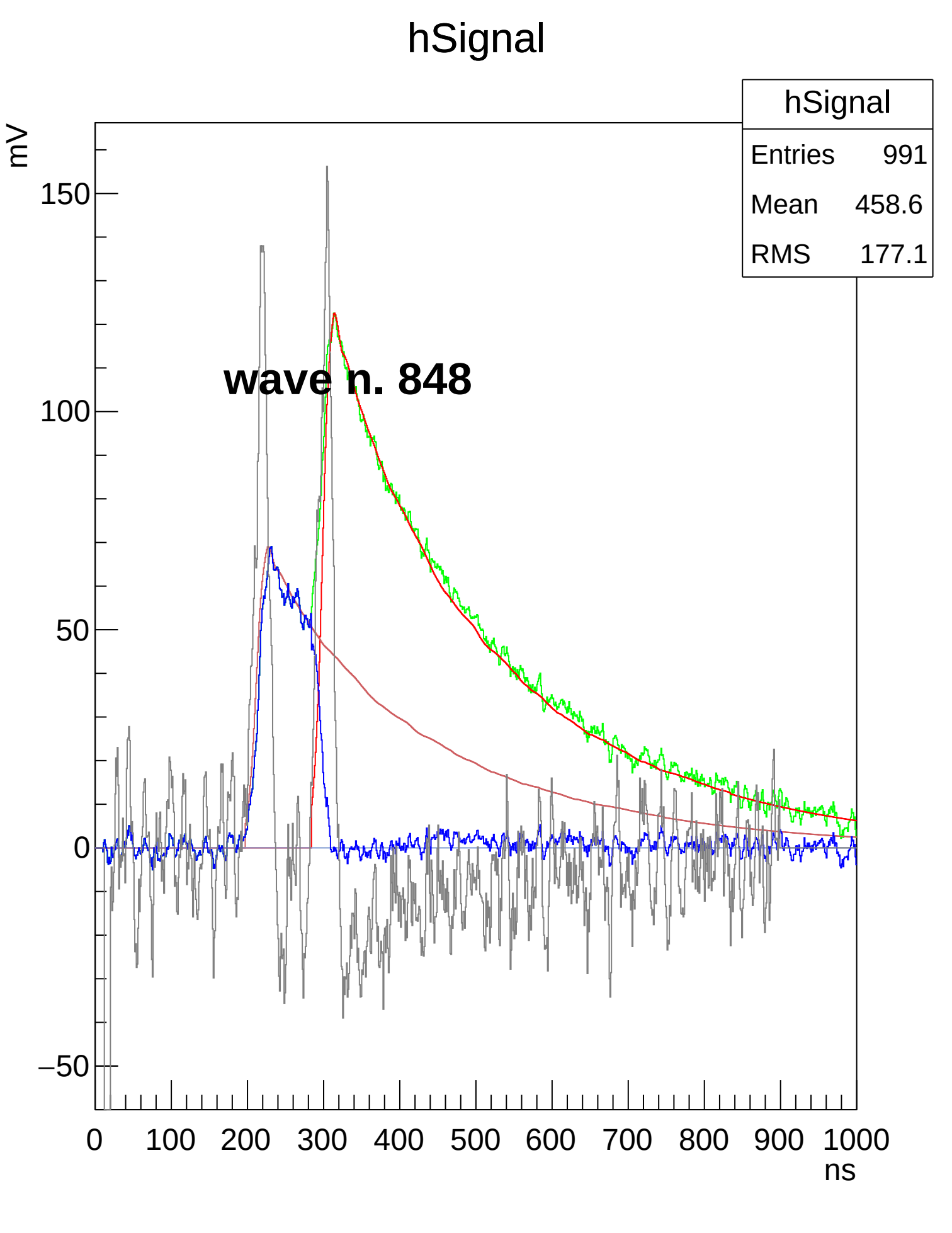

hSignal
hSignal
Entries 991
Mean 496.5
RMS 185.9
wave n. 843
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

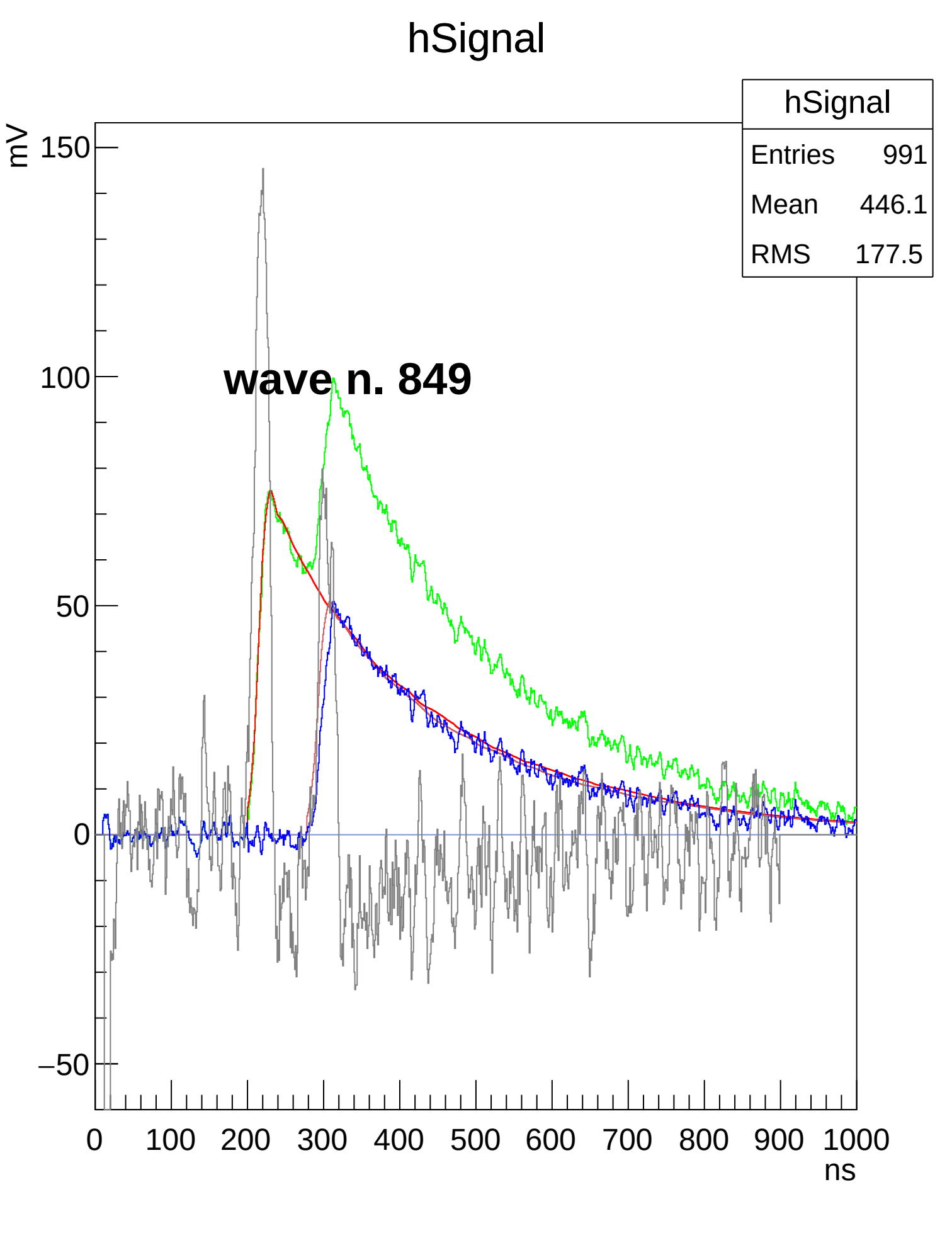

hSignal
hSignal
Entries 991
Mean 537.9
RMS 188.5
wave n. 844
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

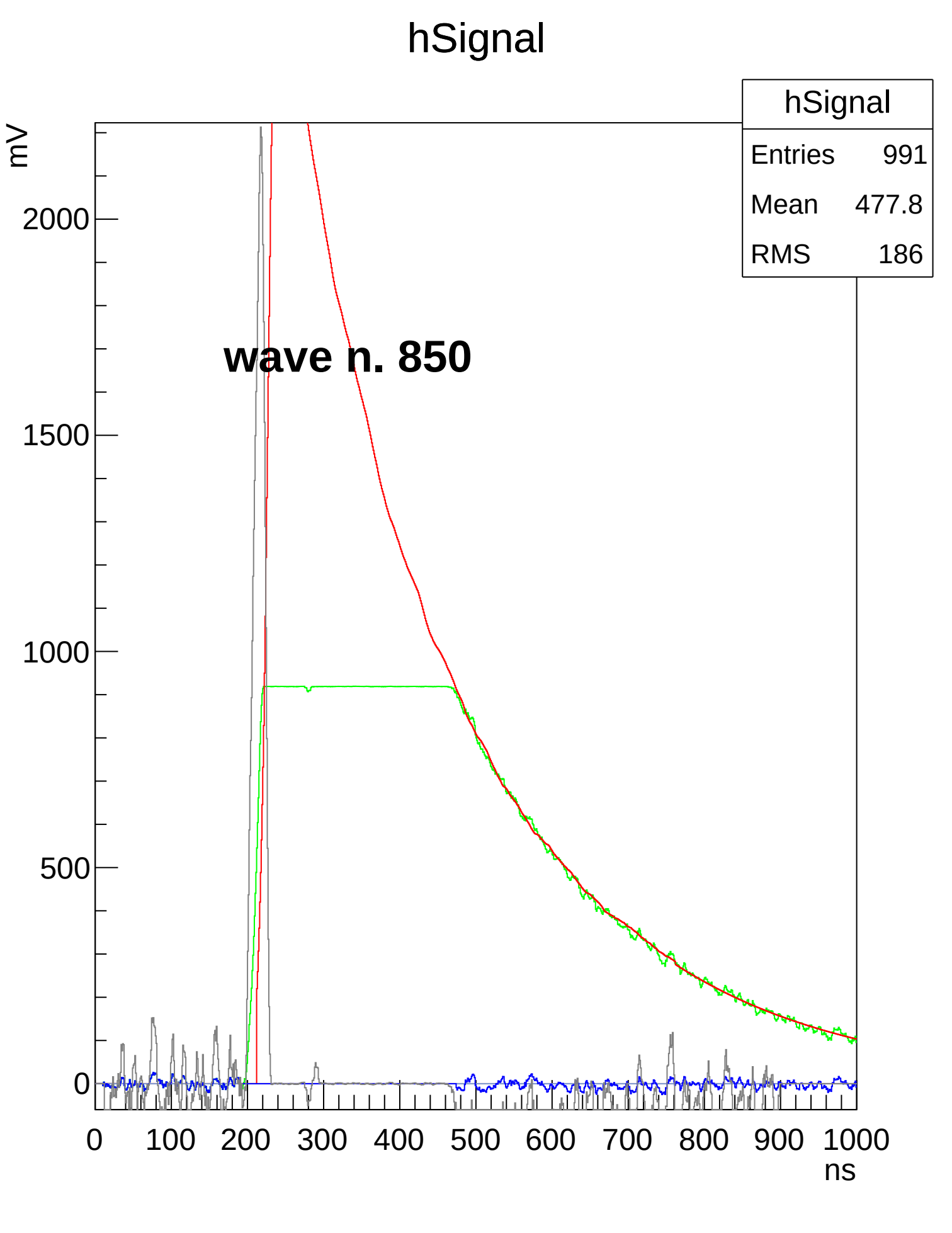

hSignal
hSignal
Entries 991
Mean 553.7
RMS 160.1
wave n. 845
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

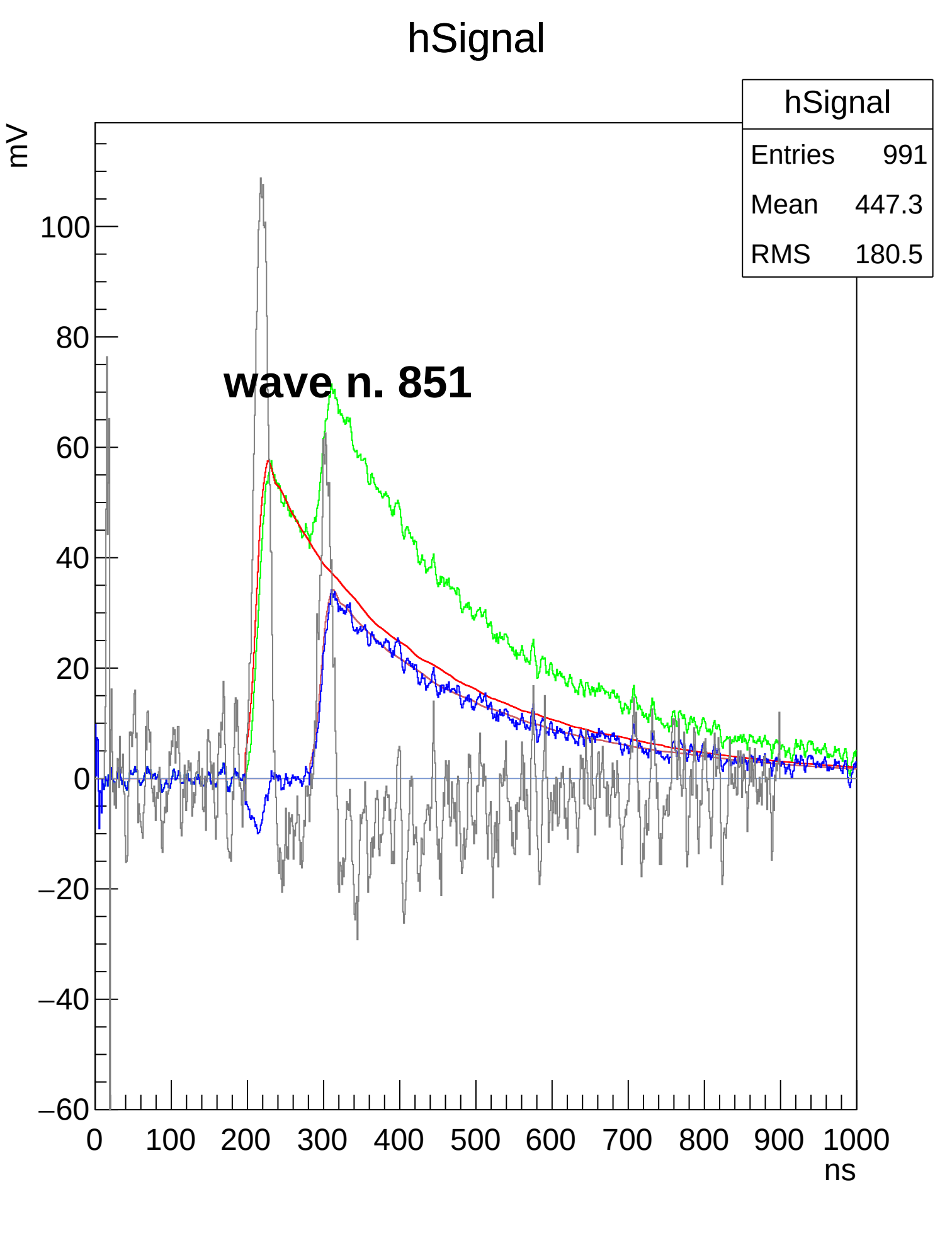

hSignal
hSignal
Entries 991
Mean 608.7
RMS 150.9
wave n. 846
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

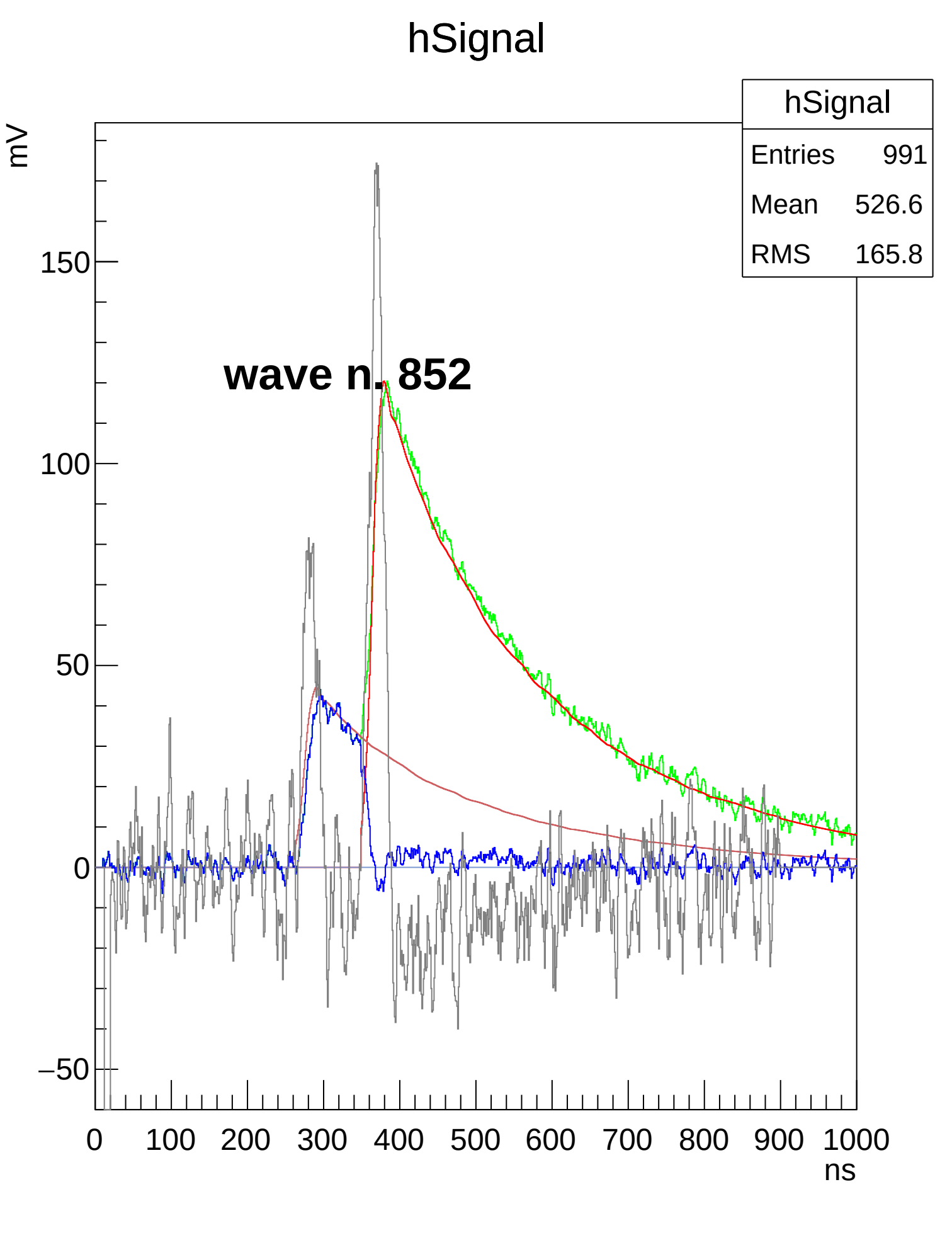

hSignal
hSignal
Entries 991
Mean 521.1
RMS 178.6
wave n. 847
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

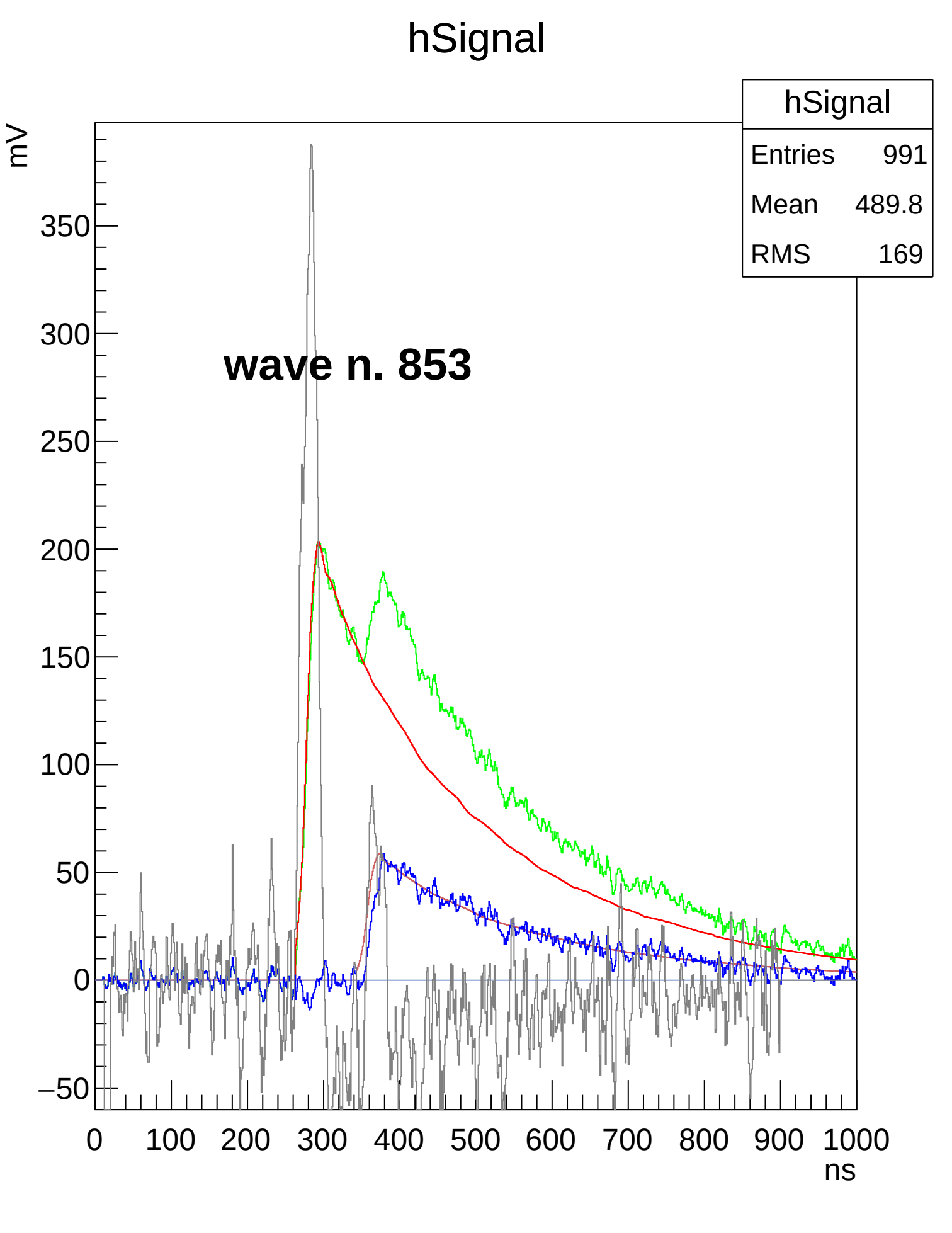

hSignal
hSignal
Entries 991
Mean 458.6
RMS 177.1
wave n. 848
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

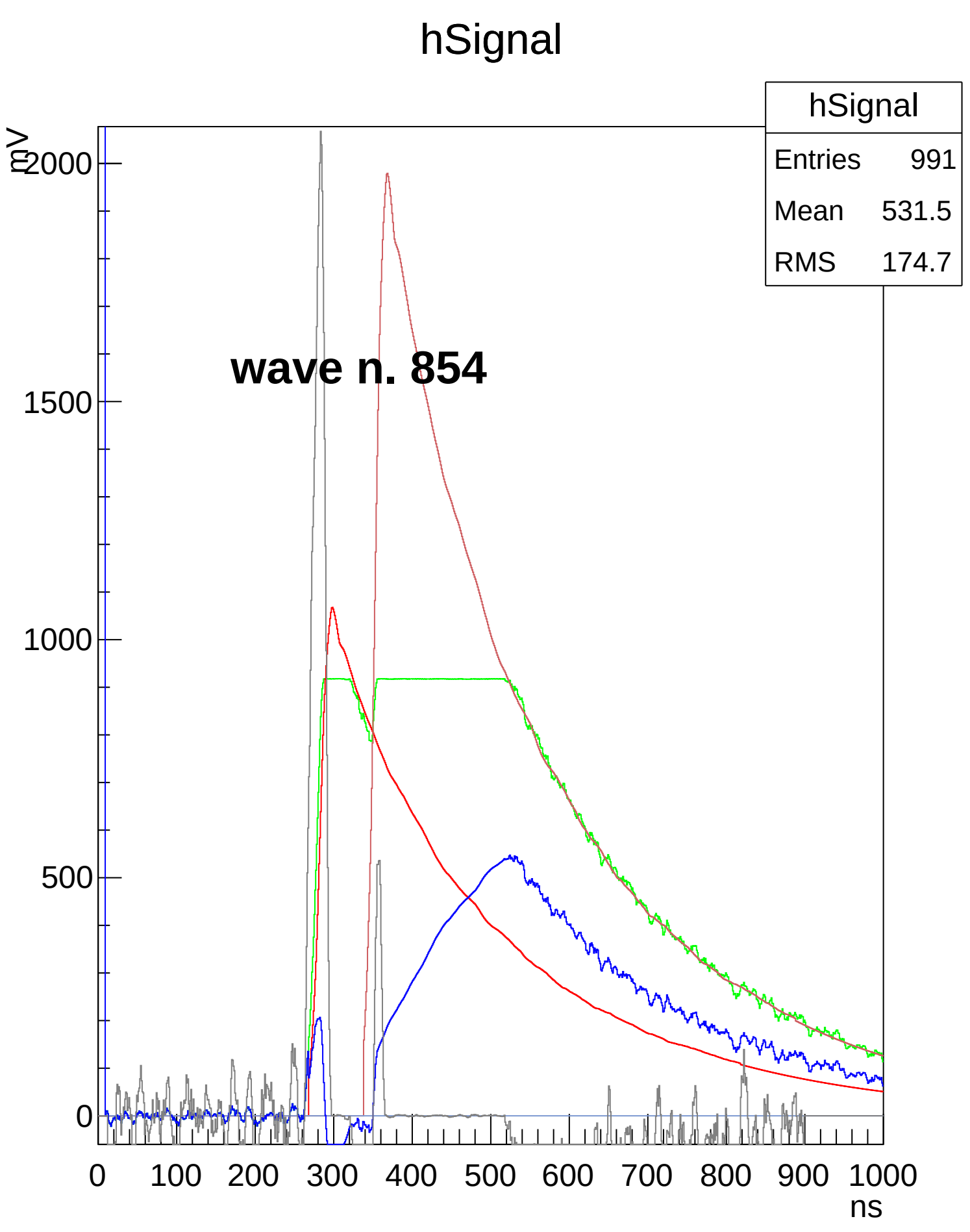

hSignal
hSignal
Entries 991
Mean 446.1
RMS 177.5
wave n. 849
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

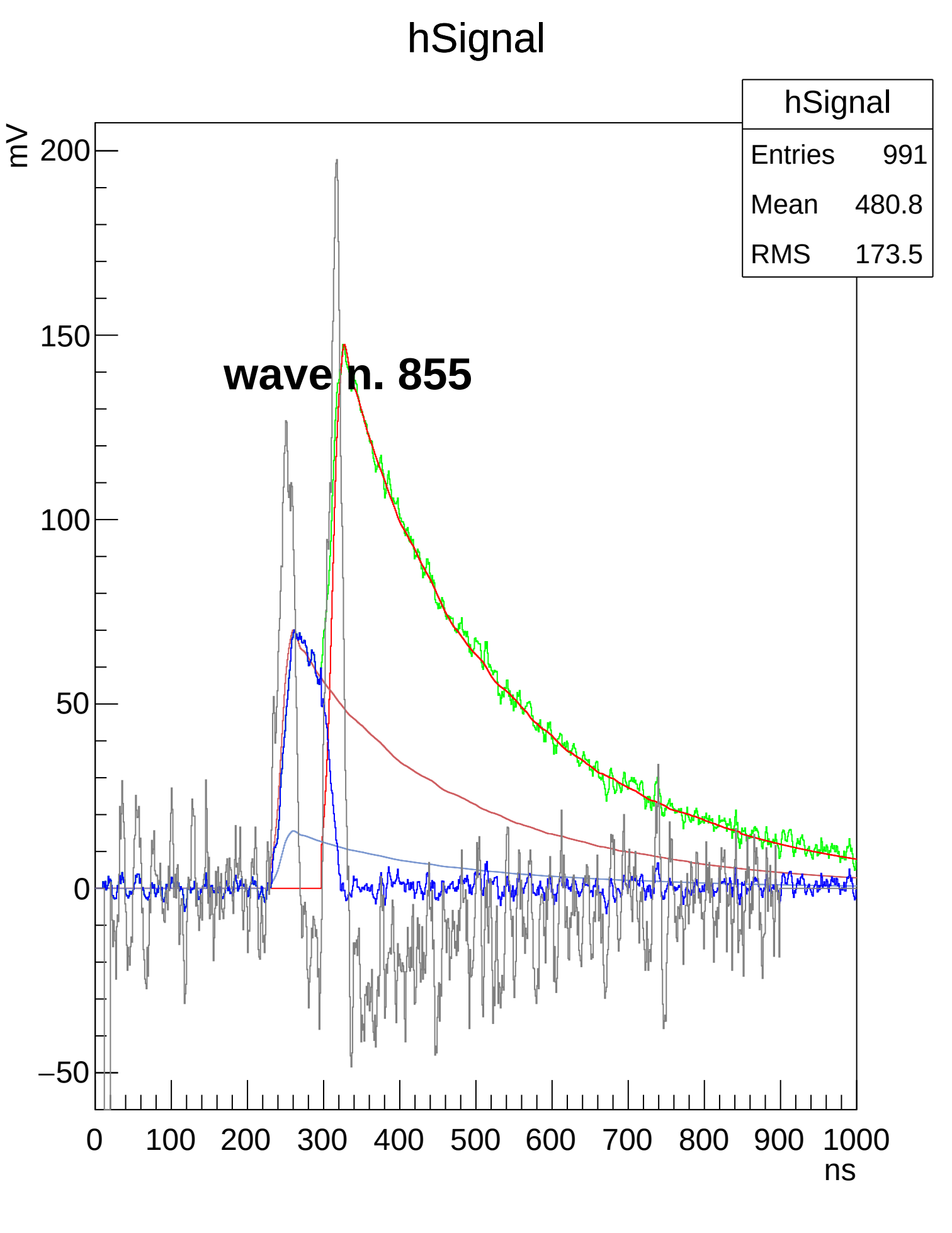

hSignal
hSignal
Entries 991
Mean 477.8
RMS 186
wave n. 850
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

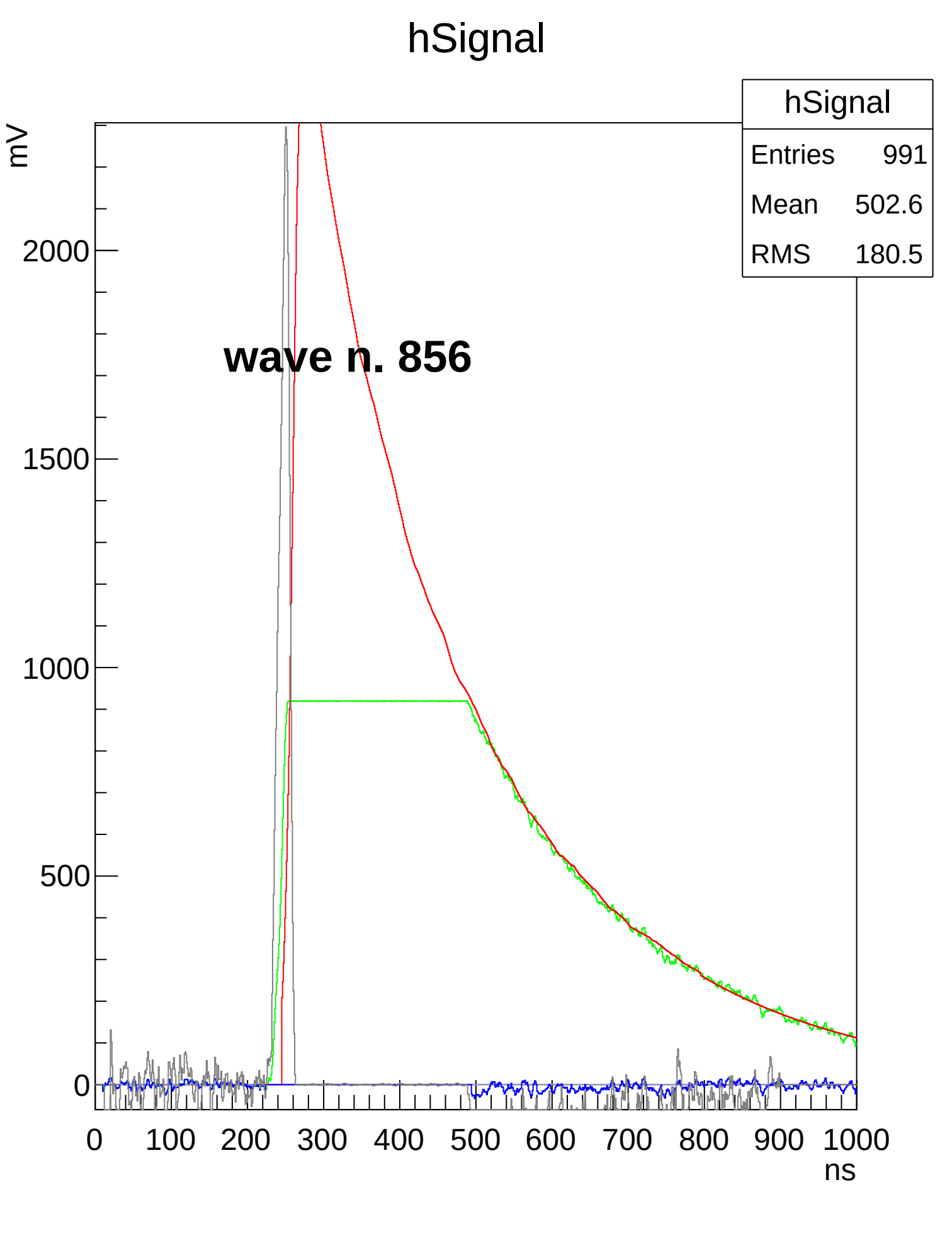

hSignal
hSignal
Entries 991
Mean 447.3
RMS 180.5
wave n. 851
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

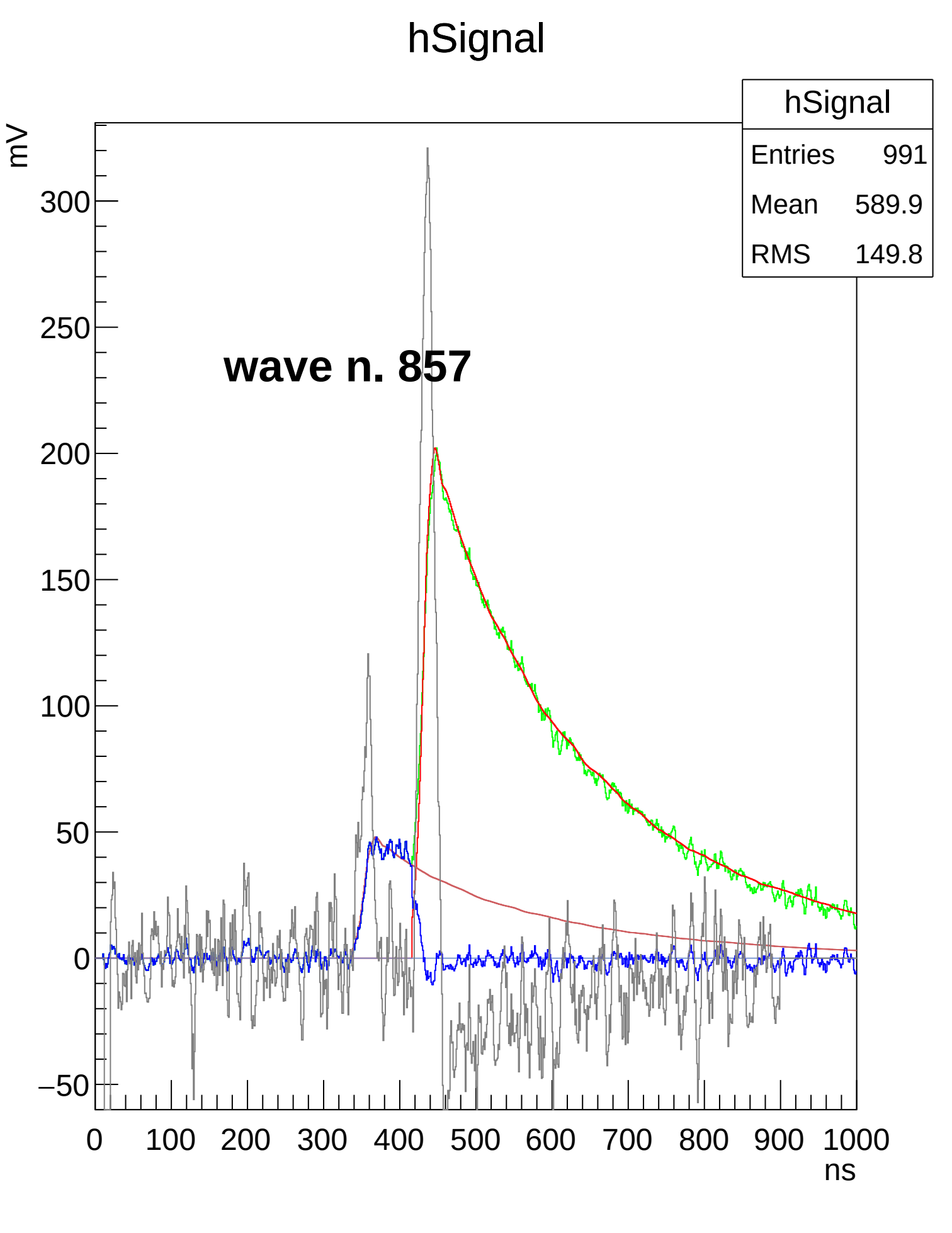

hSignal
hSignal
Entries 991
Mean 526.6
RMS 165.8
wave n. 852
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

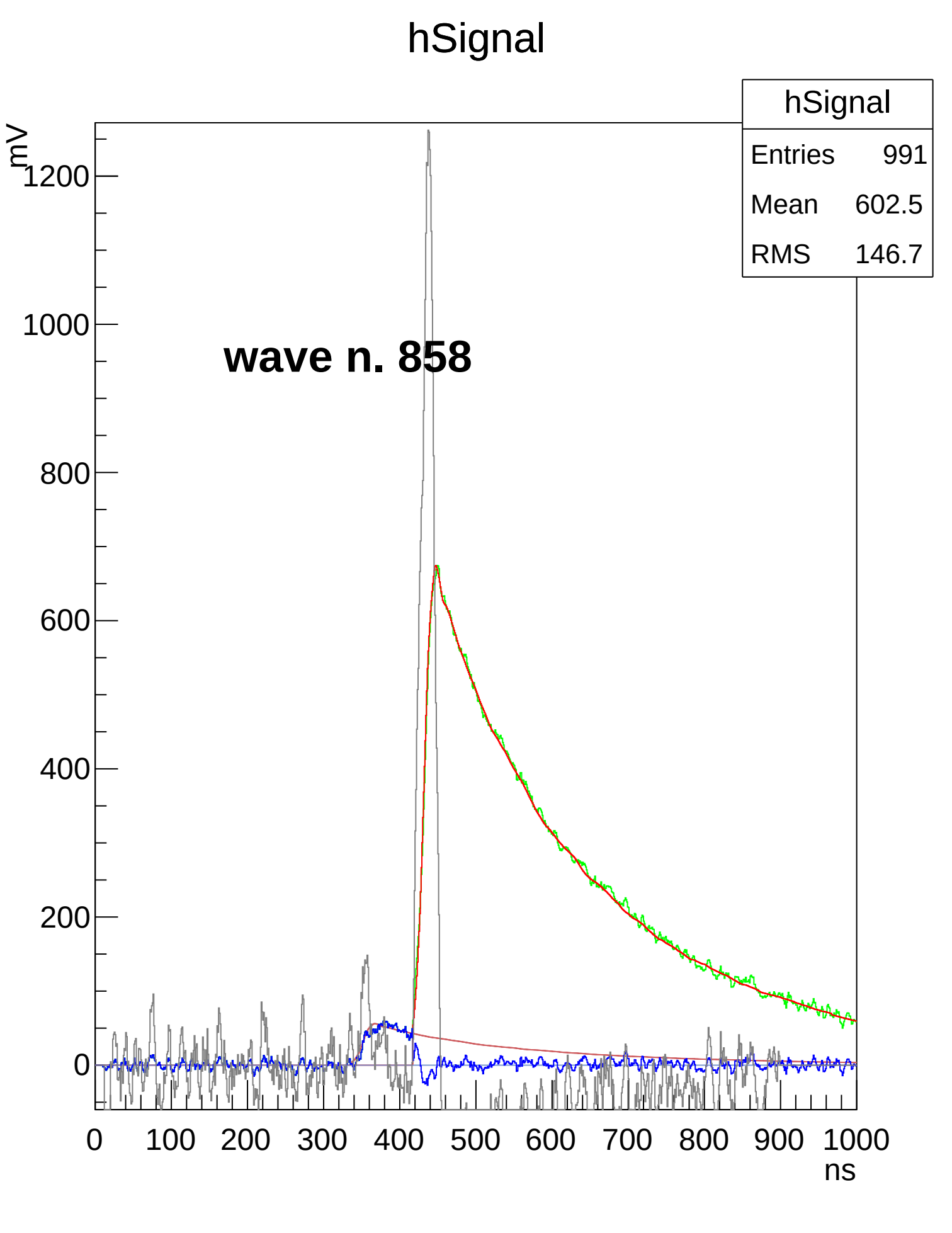

hSignal
hSignal
Entries 991
Mean 489.8
RMS 169
wave n. 853
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

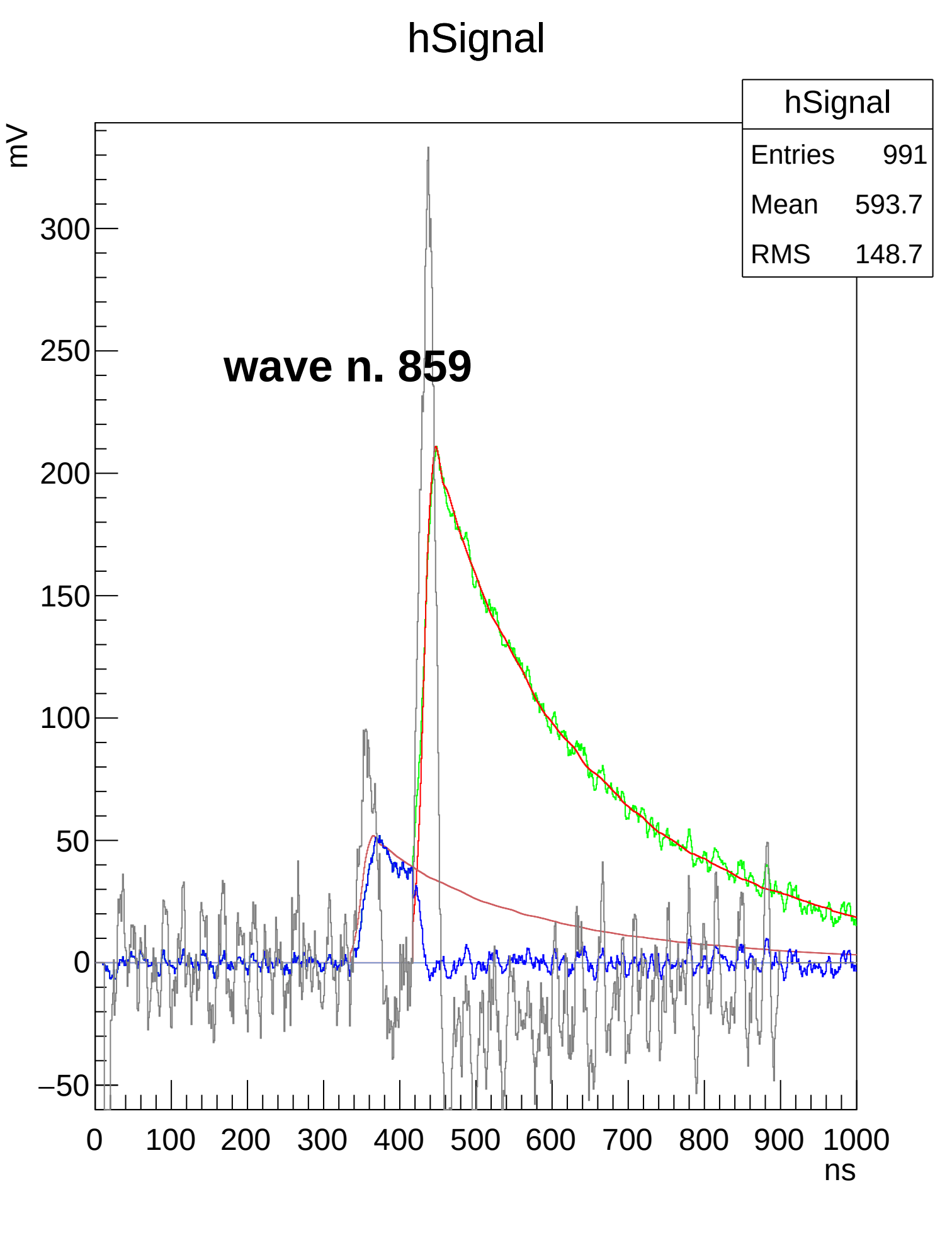

hSignal
hSignal
Entries 991
Mean 531.5
RMS 174.7
wave n. 854
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

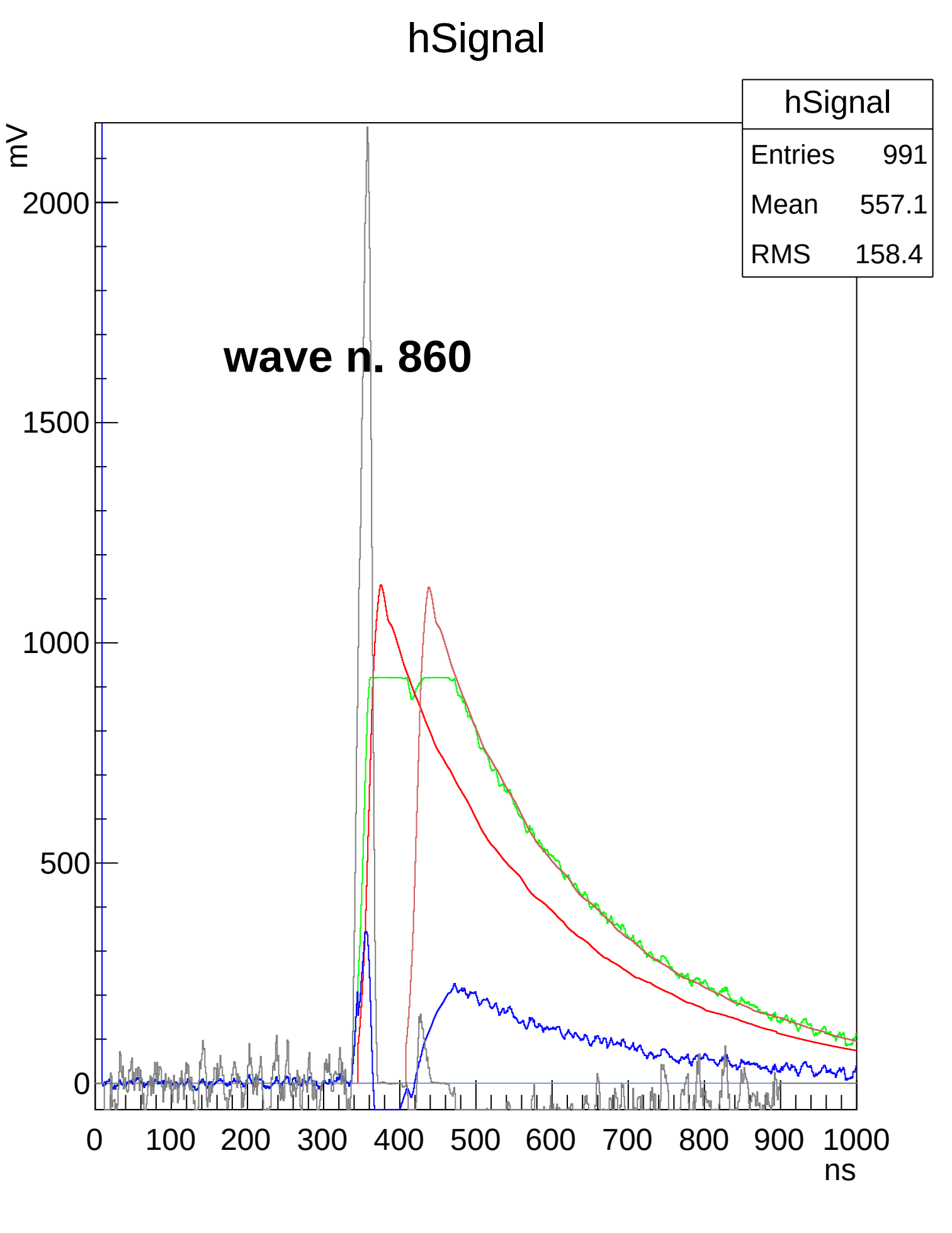

hSignal
hSignal
Entries 991
Mean 480.8
RMS 173.5
wave n. 855
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

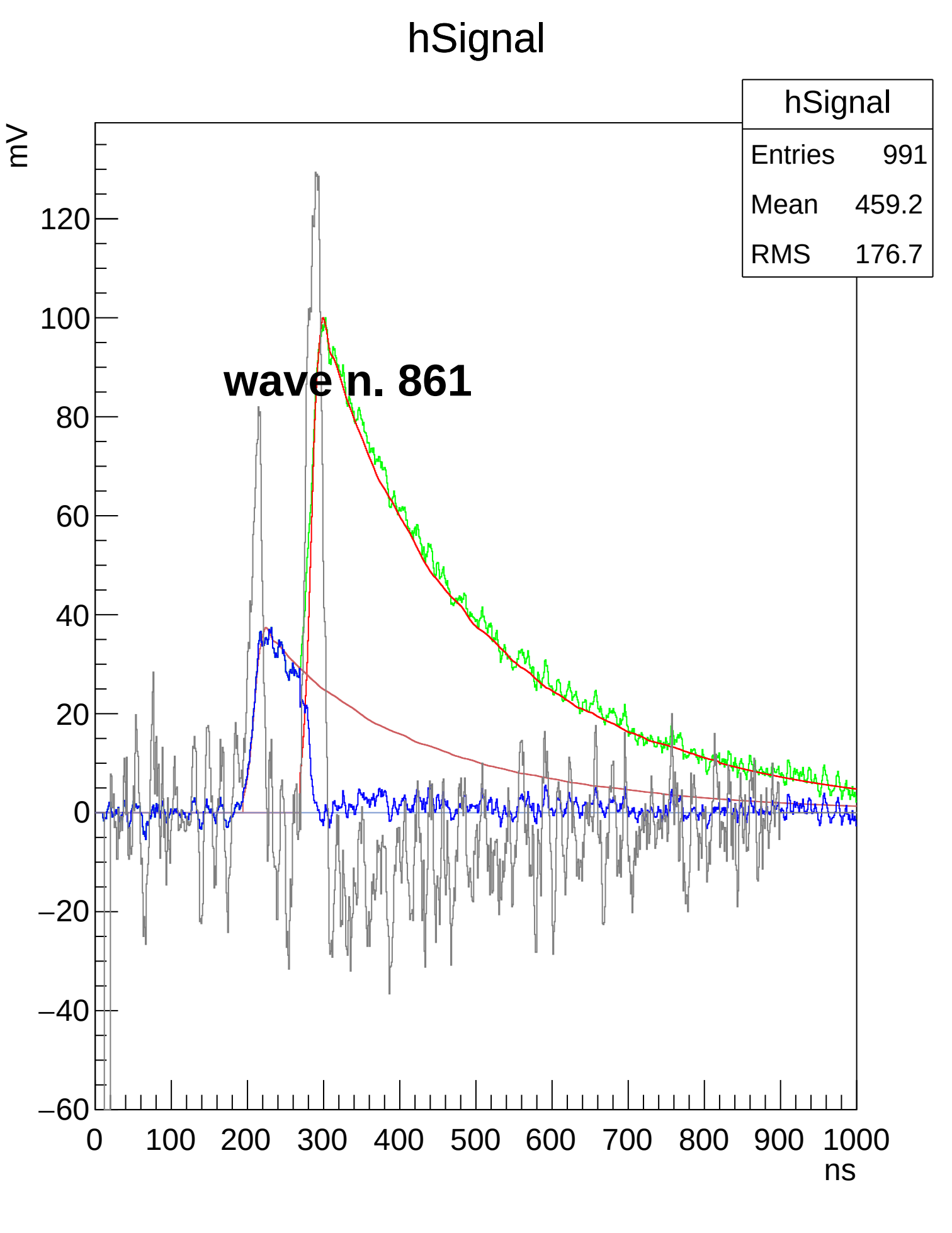

hSignal
hSignal
Entries 991
Mean 502.6
RMS 180.5
wave n. 856
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

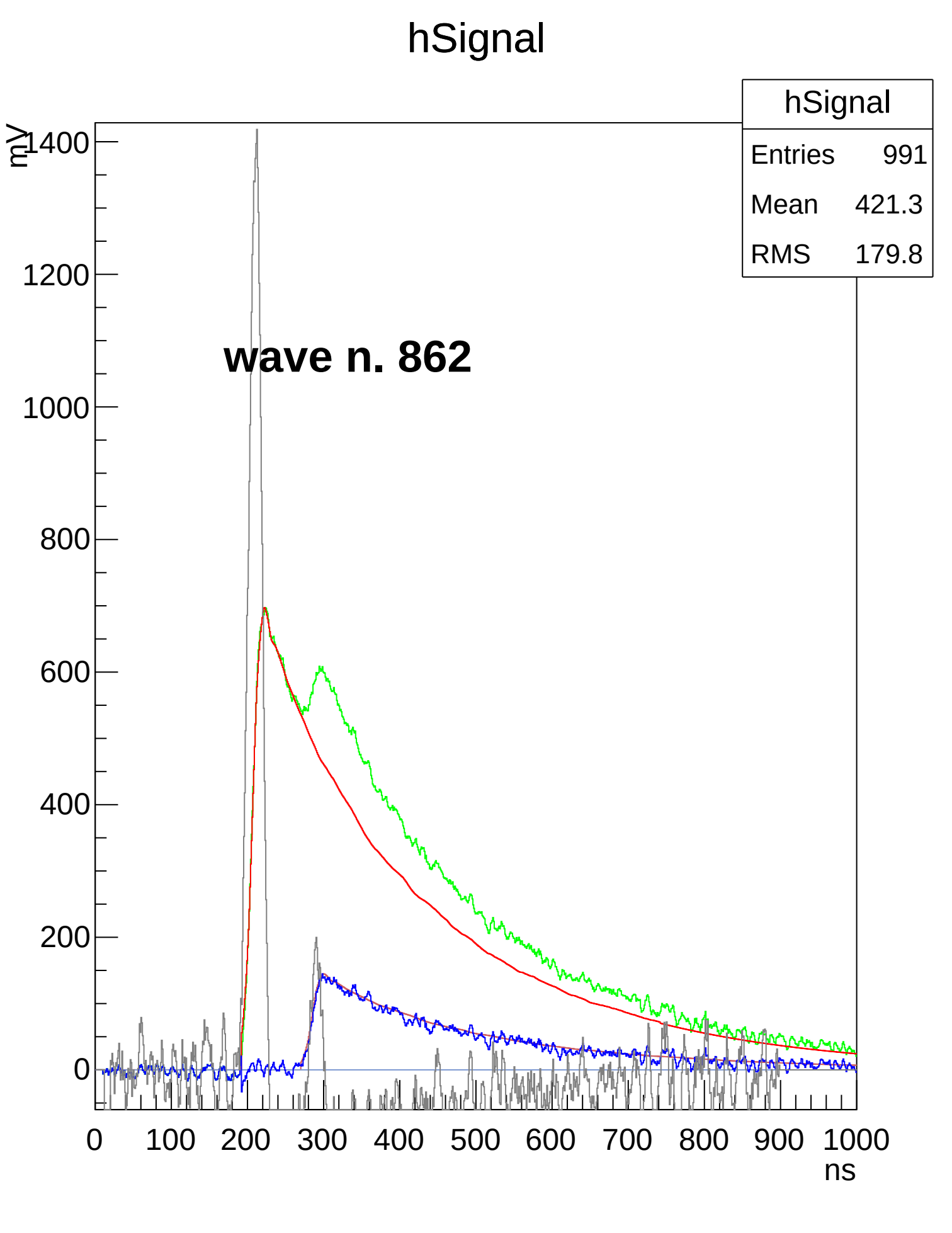

hSignal
hSignal
Entries 991
Mean 589.9
RMS 149.8
wave n. 857
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

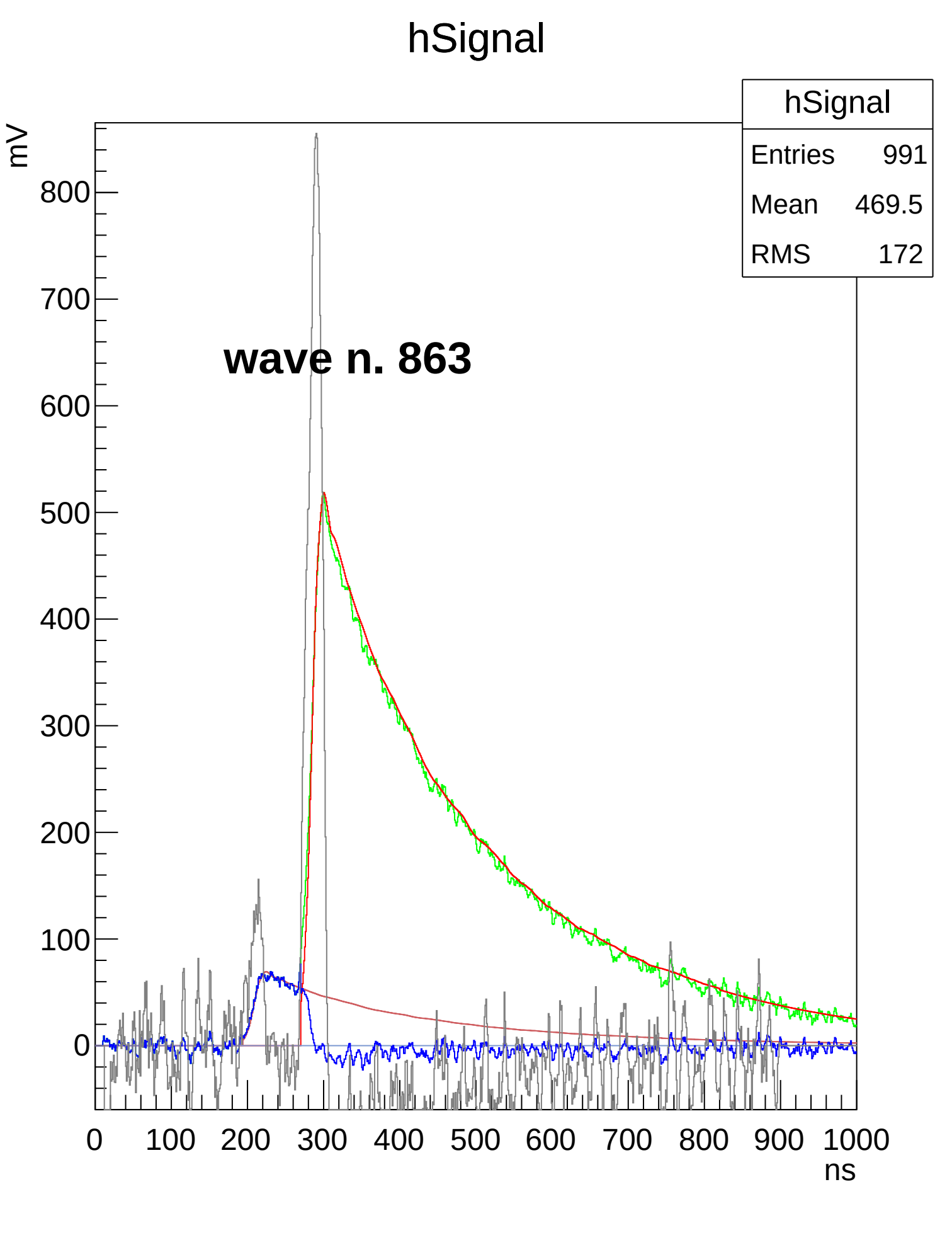

hSignal
hSignal
Entries 991
Mean 602.5
RMS 146.7
wave n. 858
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

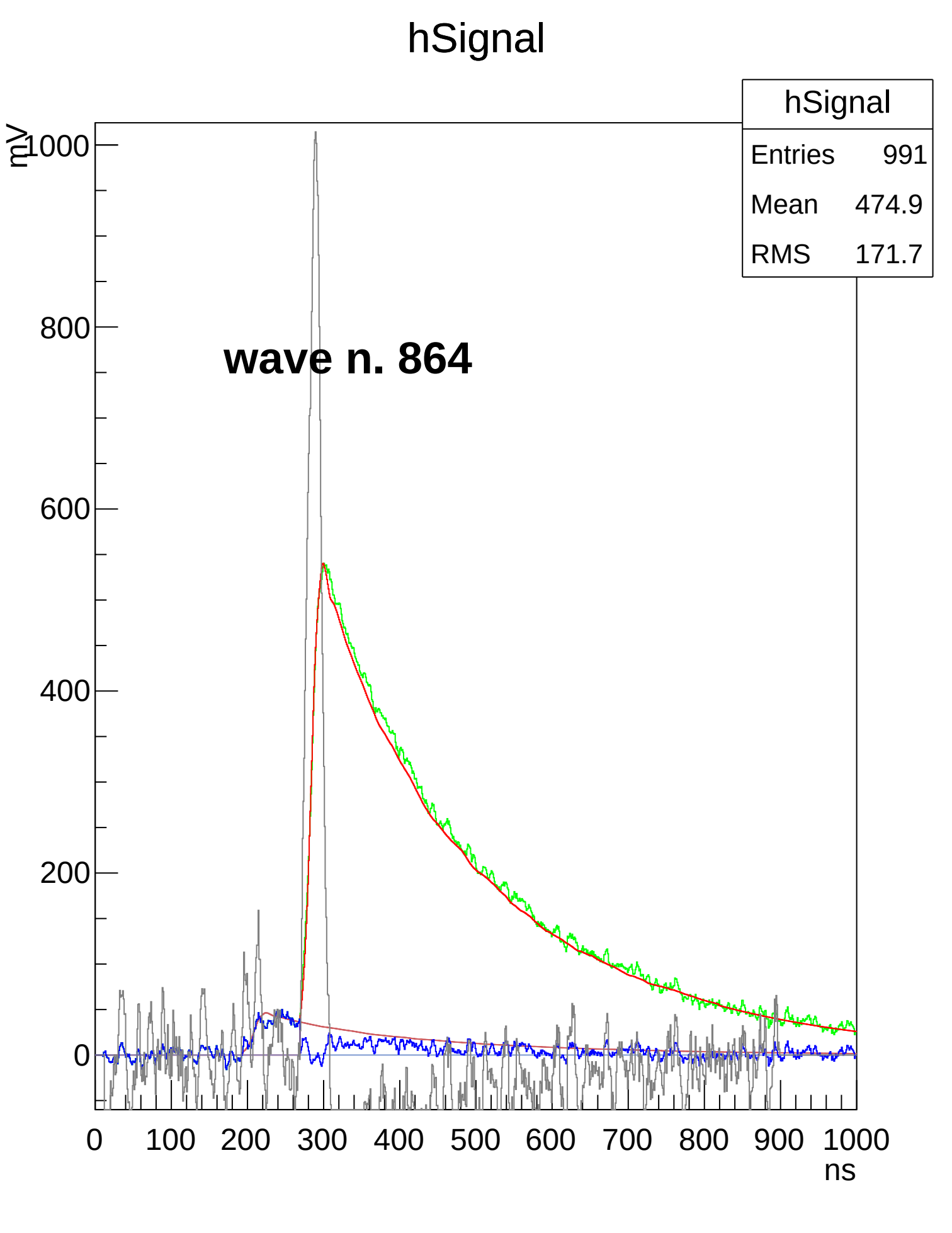

hSignal
hSignal
Entries 991
Mean 593.7
RMS 148.7
wave n. 859
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

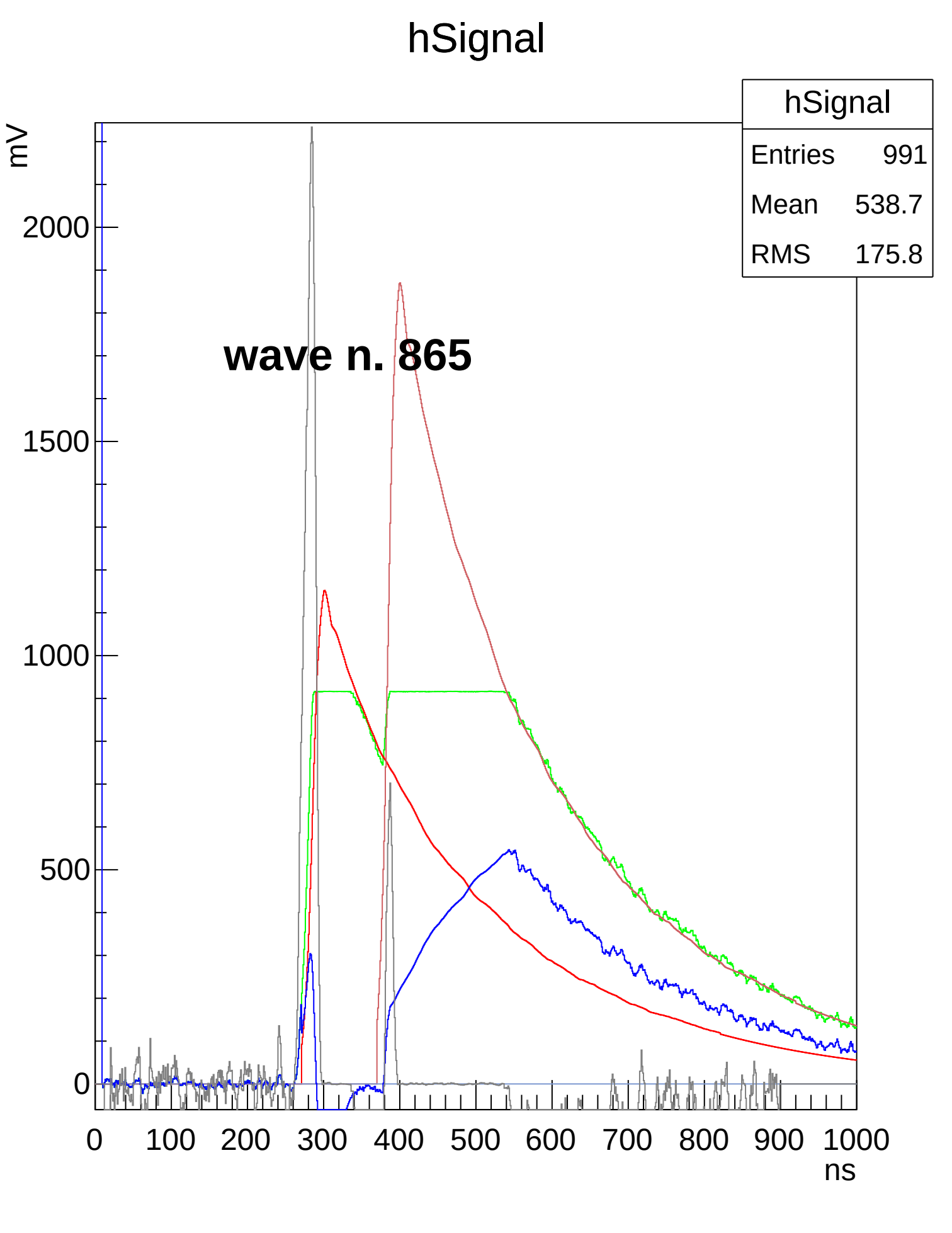

hSignal
hSignal
Entries 991
Mean 557.1
RMS 158.4
wave n. 860
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

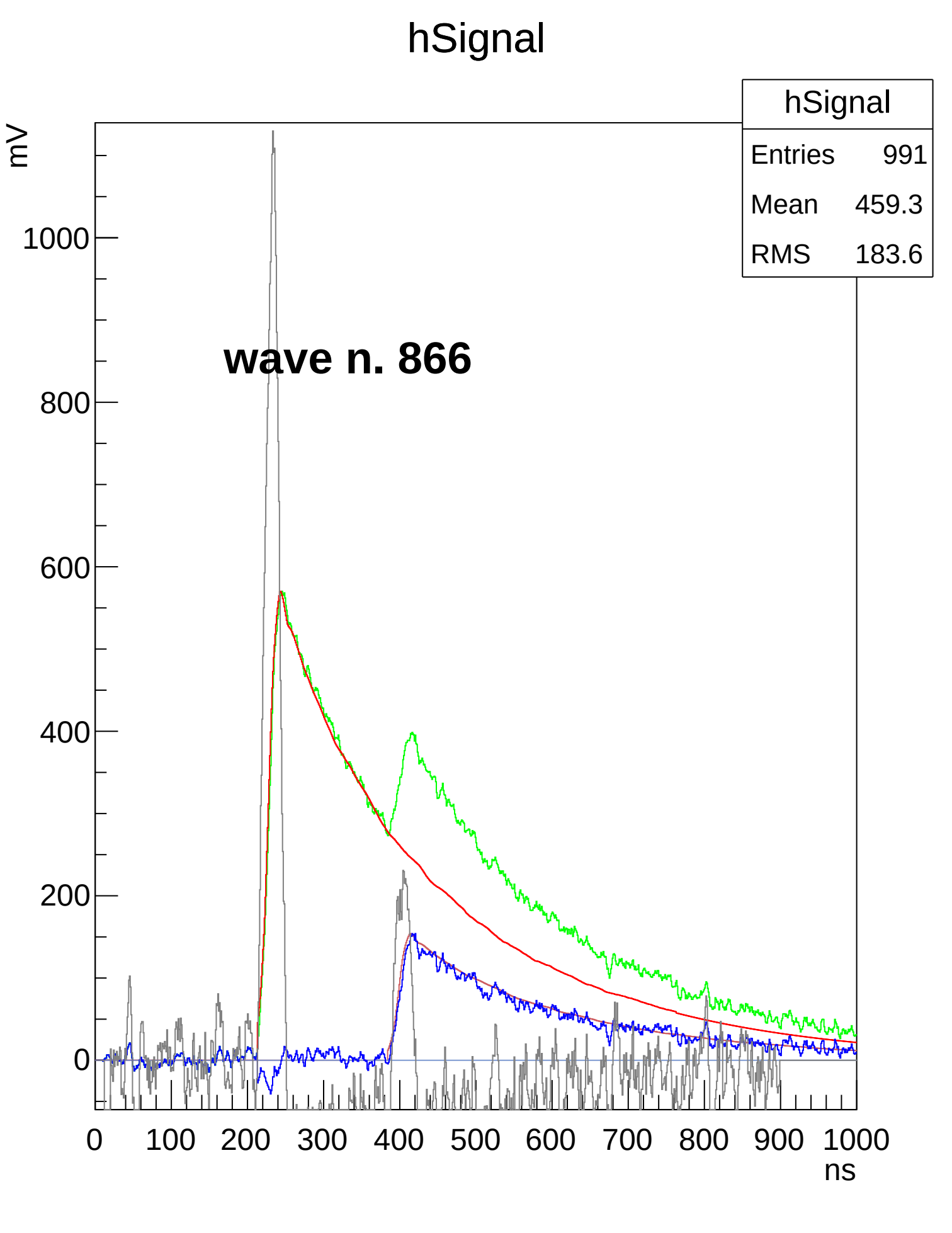

hSignal
hSignal
Entries 991
Mean 459.2
RMS 176.7
wave n. 861
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

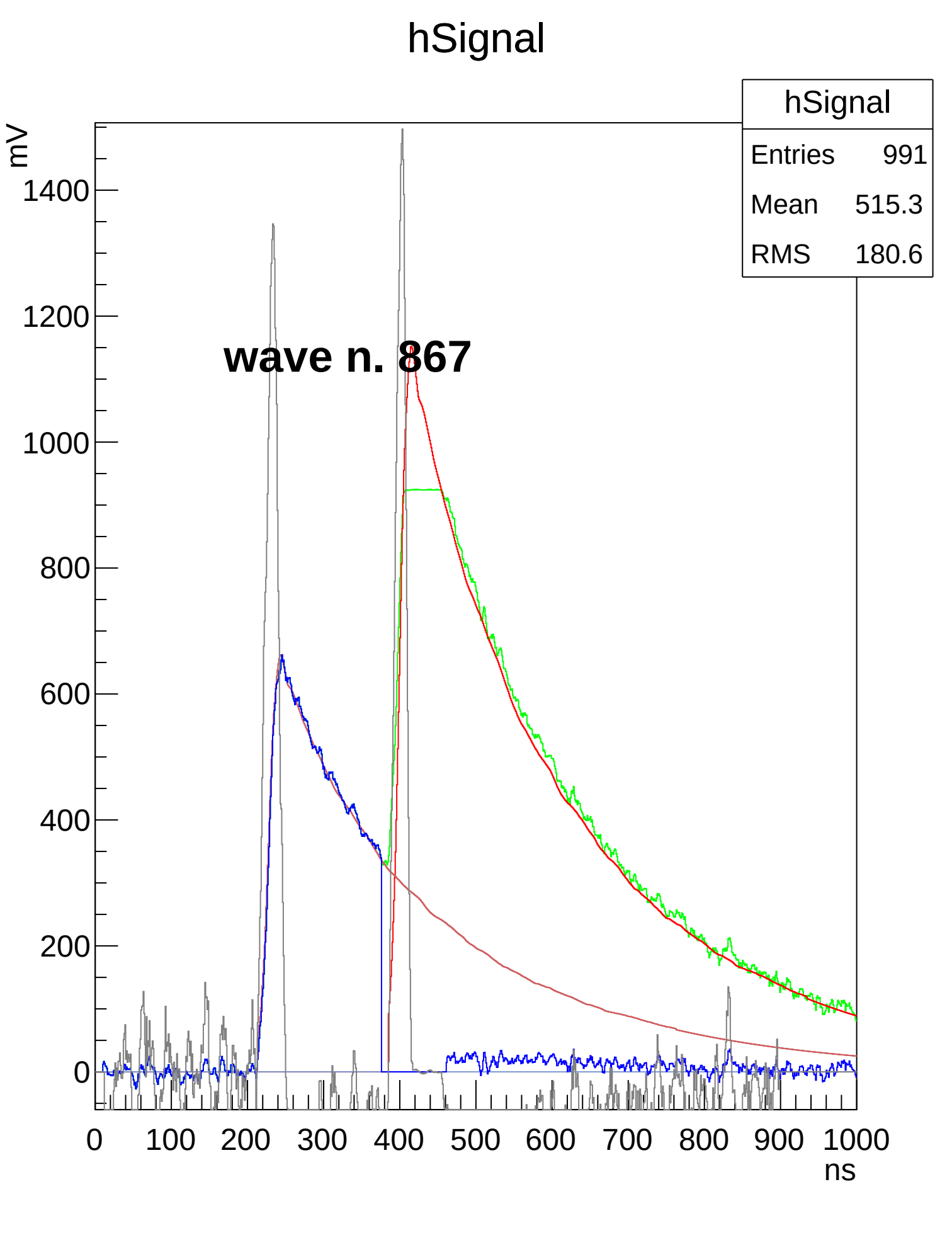

hSignal
hSignal
Entries 991
Mean 421.3
RMS 179.8
wave n. 862
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

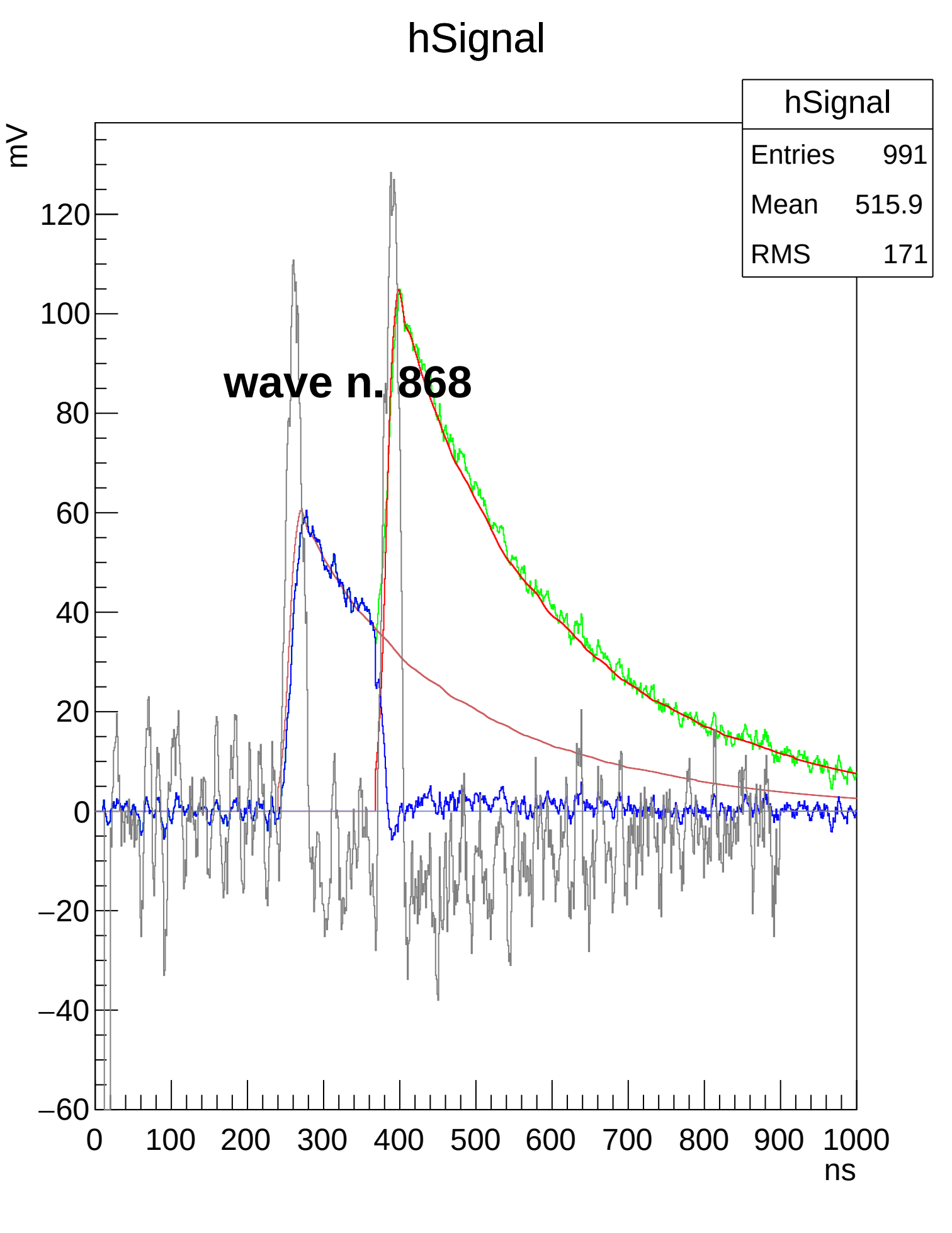

hSignal
hSignal
Entries 991
Mean 469.5
RMS 172
wave n. 863
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

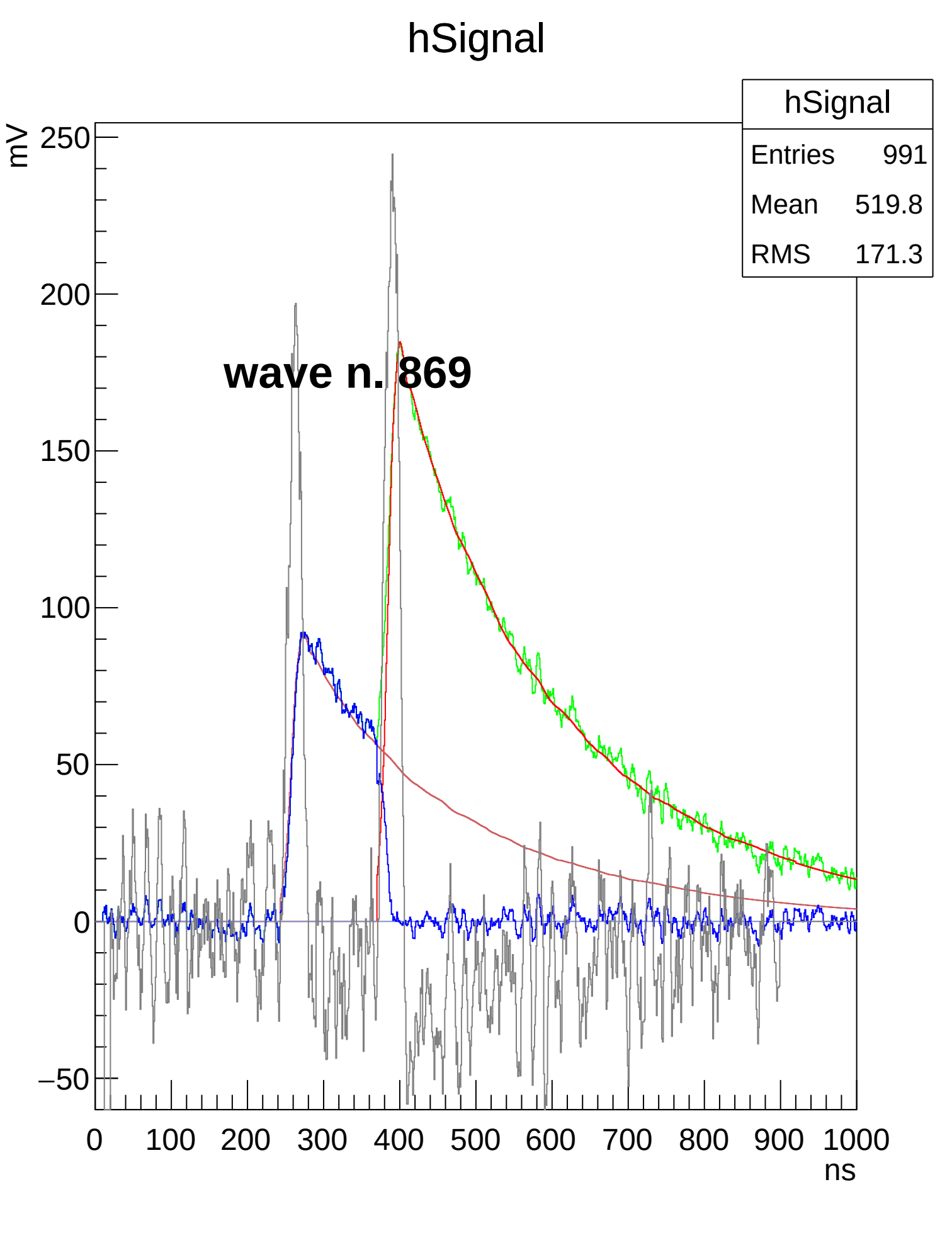

hSignal
hSignal
Entries 991
Mean 474.9
RMS 171.7
wave n. 864
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

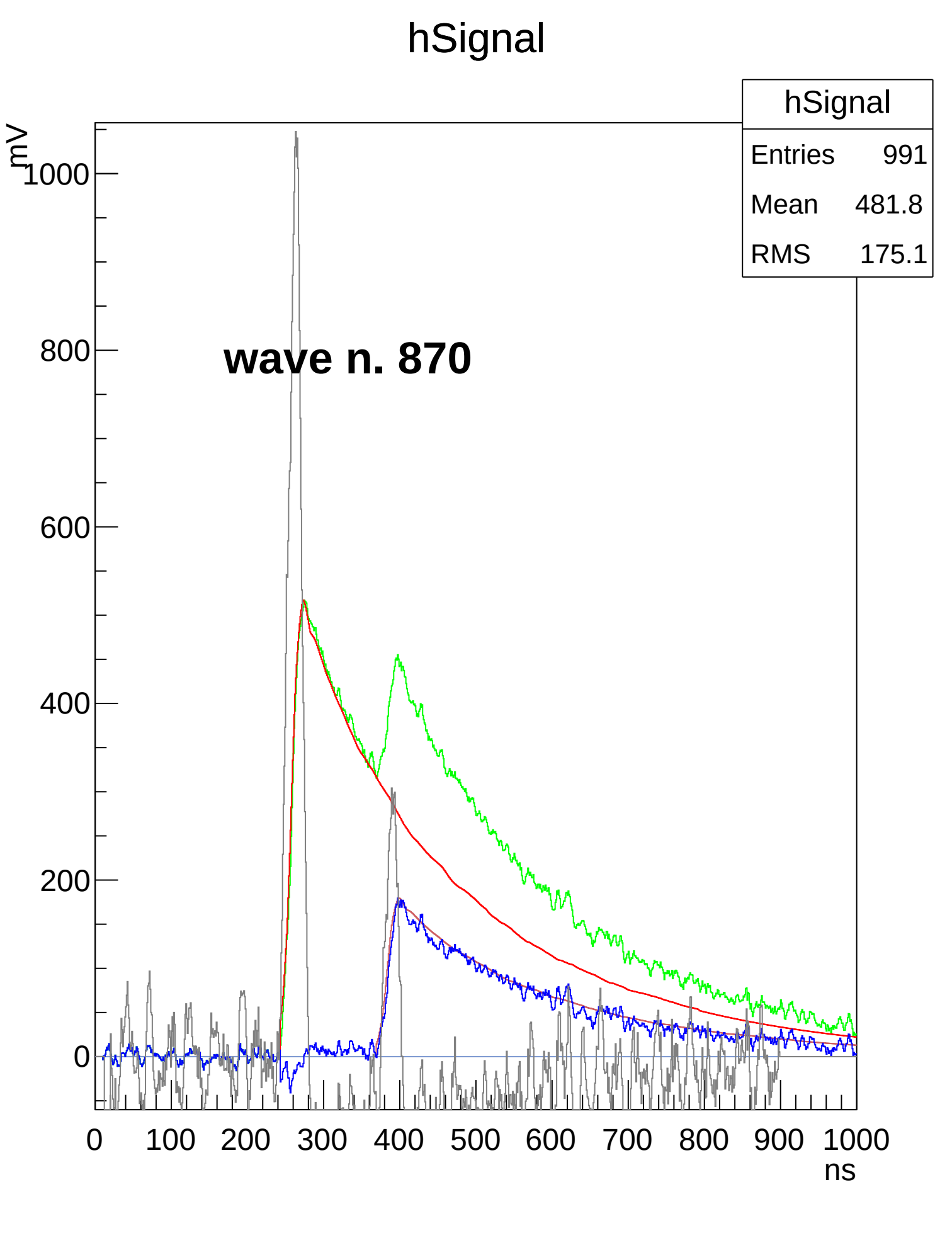

hSignal
hSignal
Entries 991
Mean 538.7
RMS 175.8
wave n. 865
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

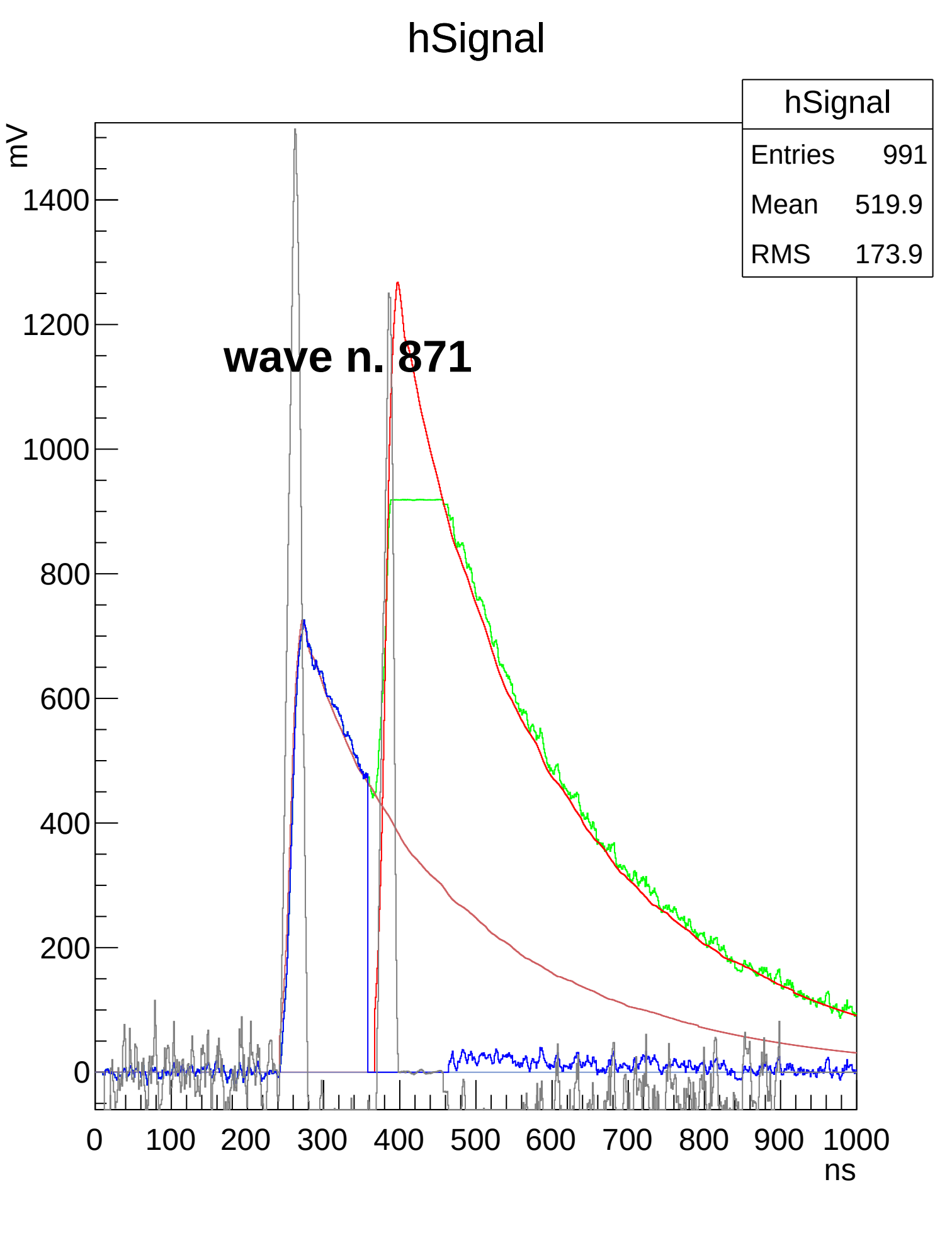

hSignal
hSignal
Entries 991
Mean 459.3
RMS 183.6
wave n. 866
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

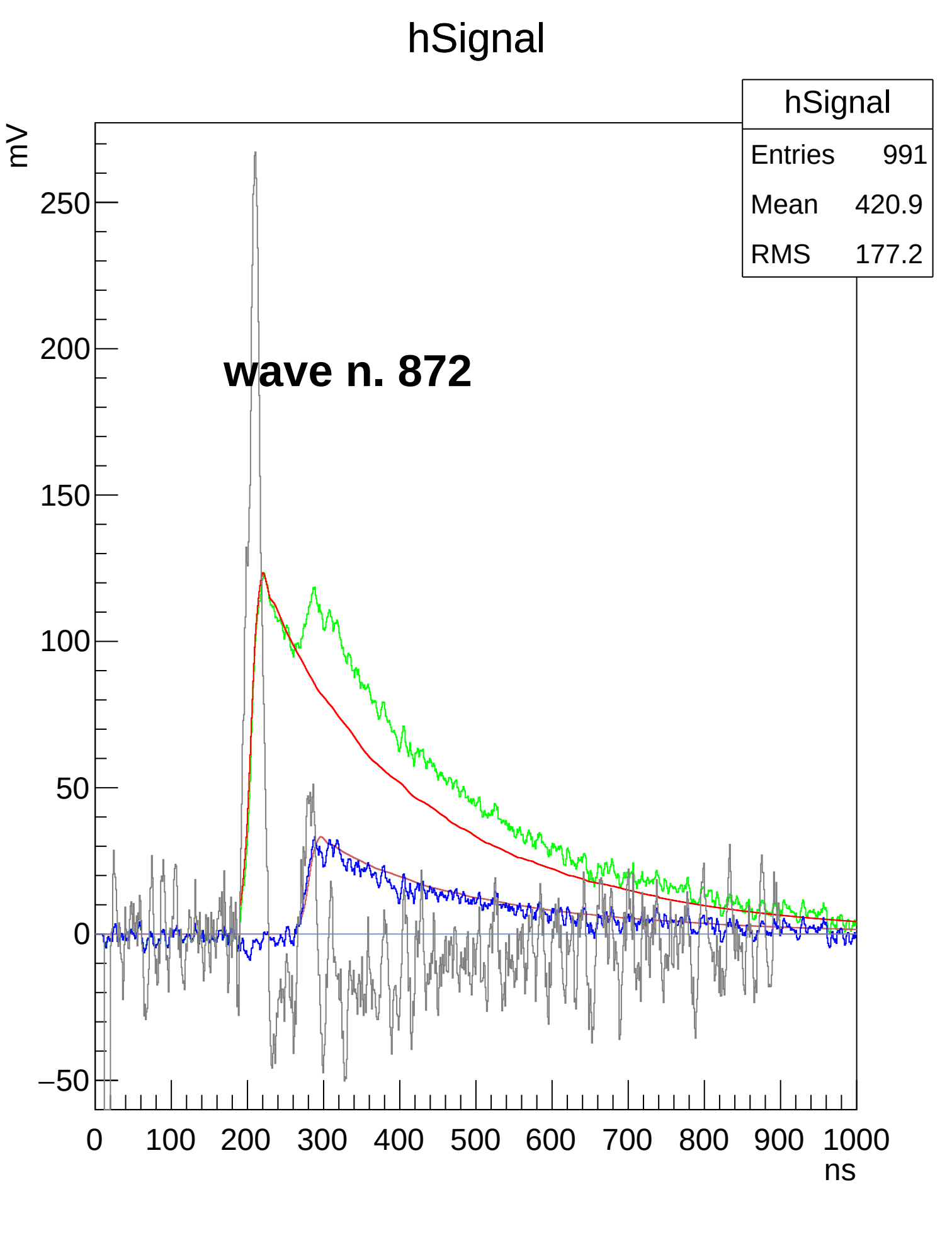

hSignal
hSignal
Entries 991
Mean 515.3
RMS 180.6
wave n. 867
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

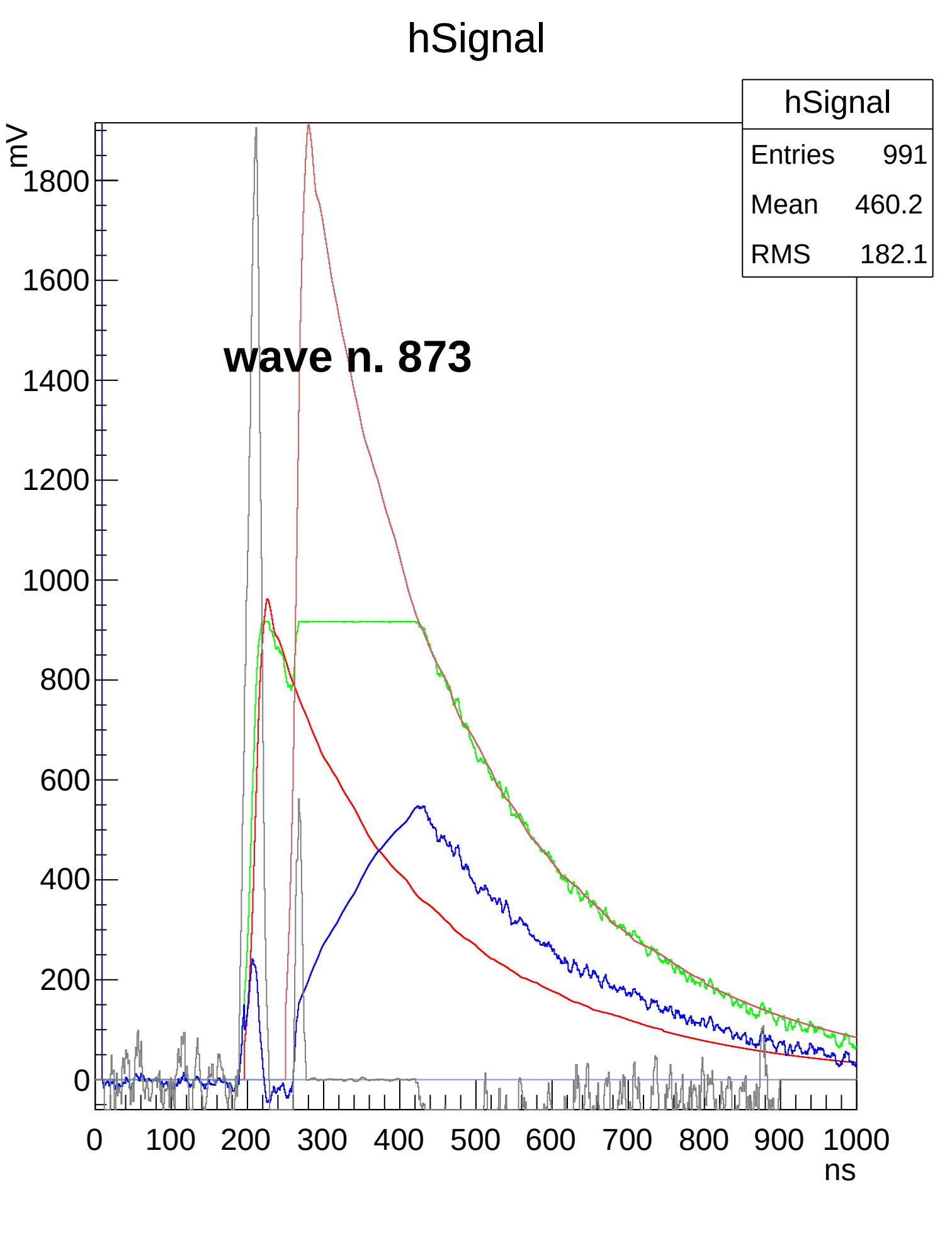

hSignal
hSignal
Entries 991
Mean 515.9
RMS 171
wave n. 868
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

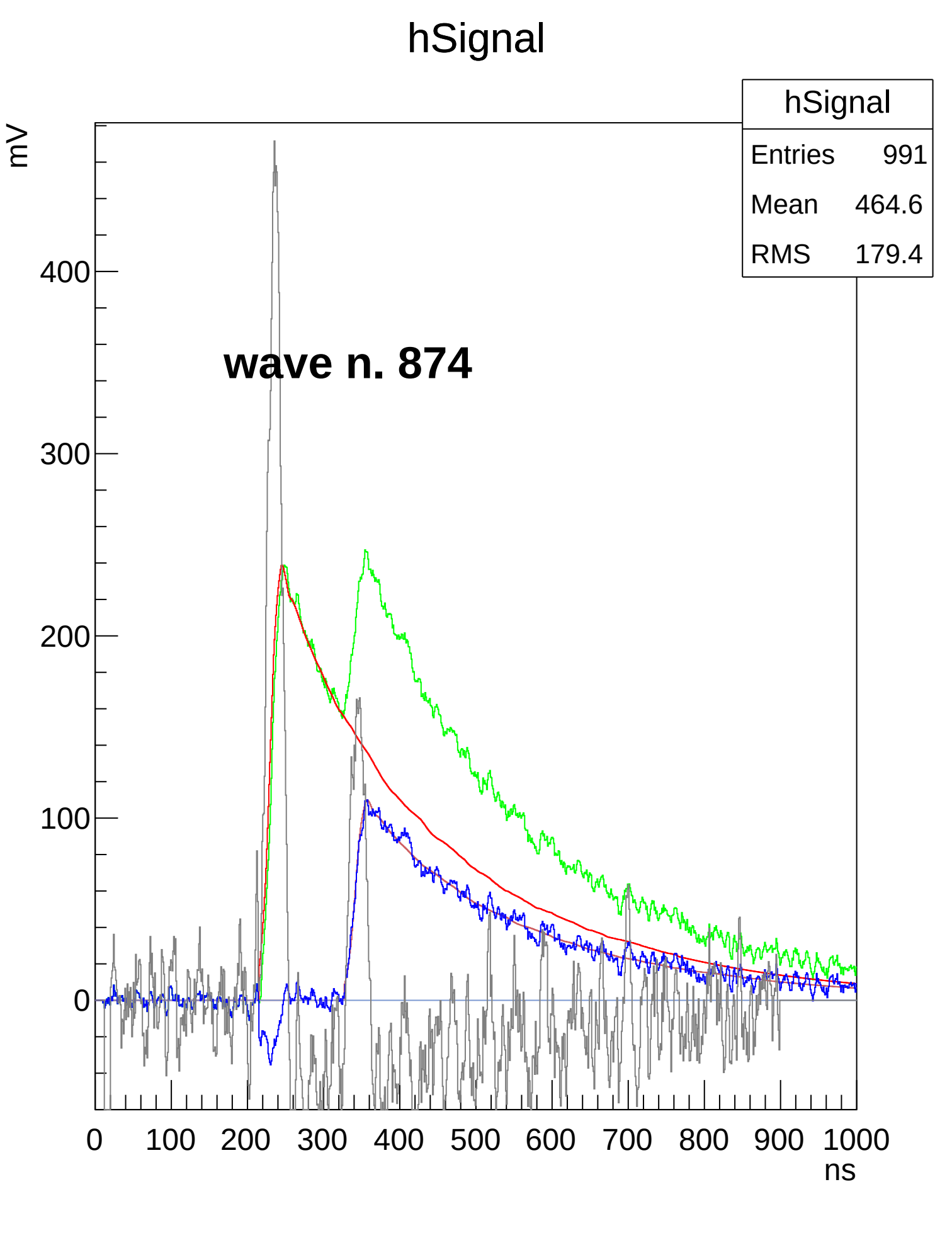

hSignal
hSignal
Entries 991
Mean 519.8
RMS 171.3
wave n. 869
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

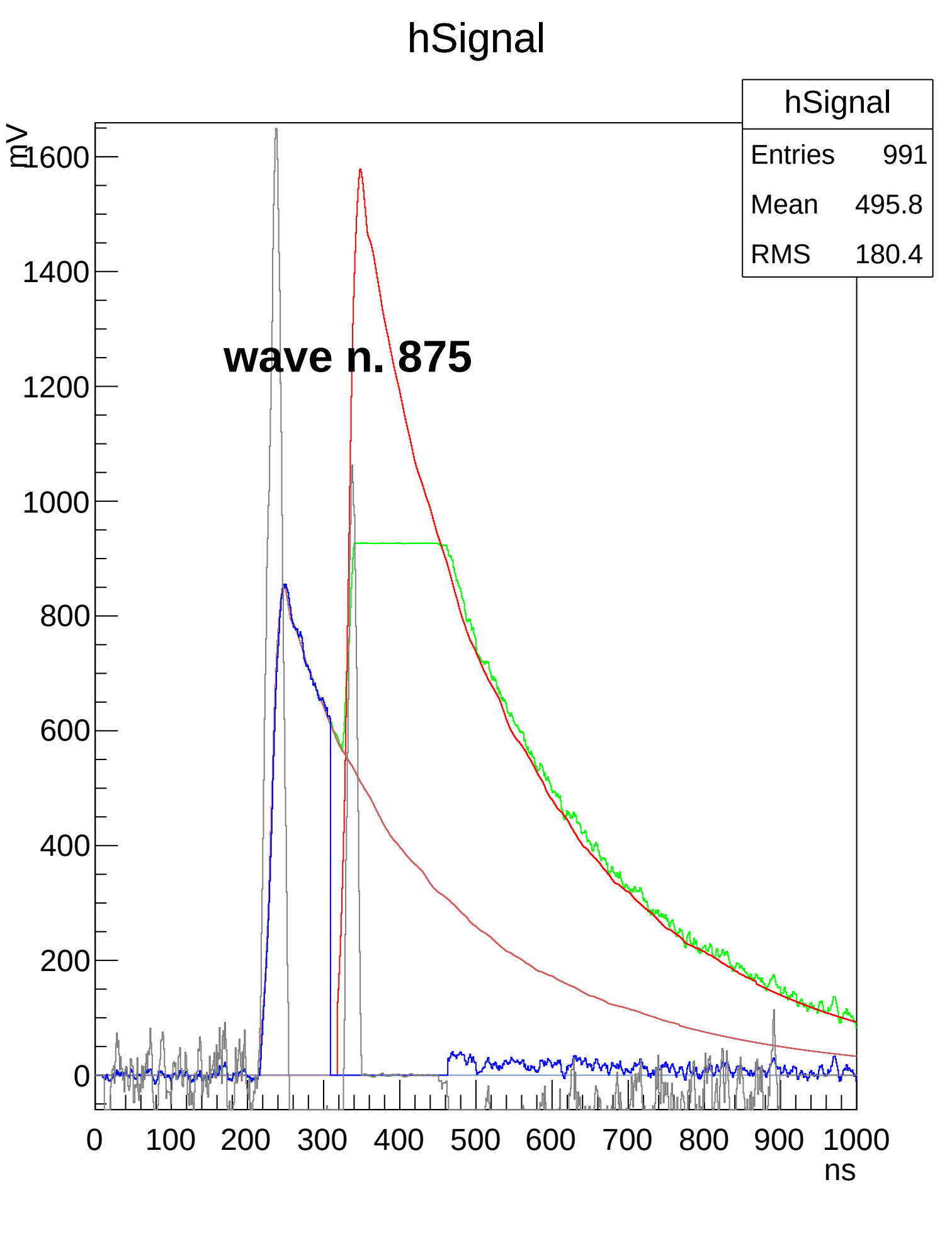

hSignal
hSignal
Entries 991
Mean 481.8
RMS 175.1
wave n. 870
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

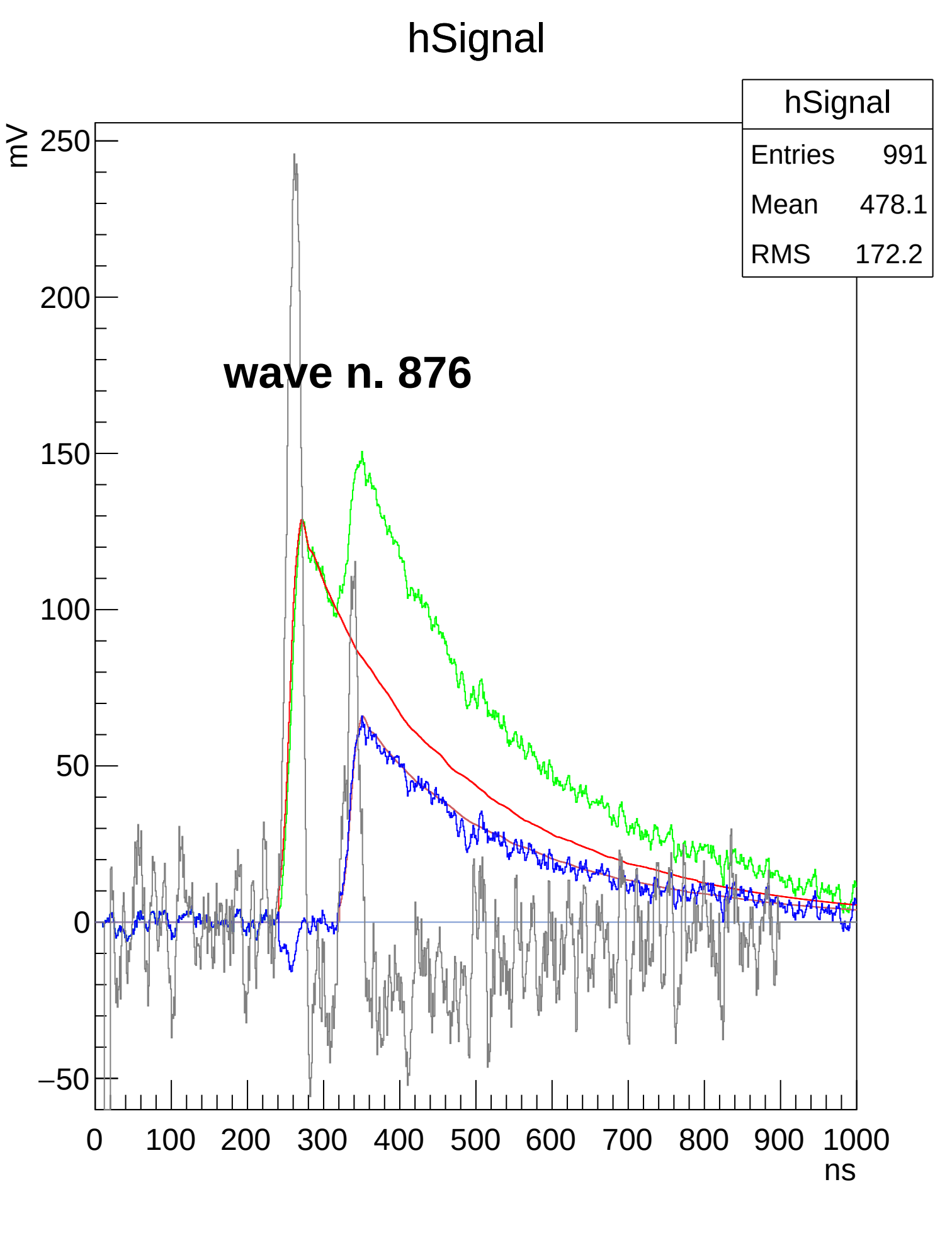

hSignal
hSignal
Entries 991
Mean 519.9
RMS 173.9
wave n. 871
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

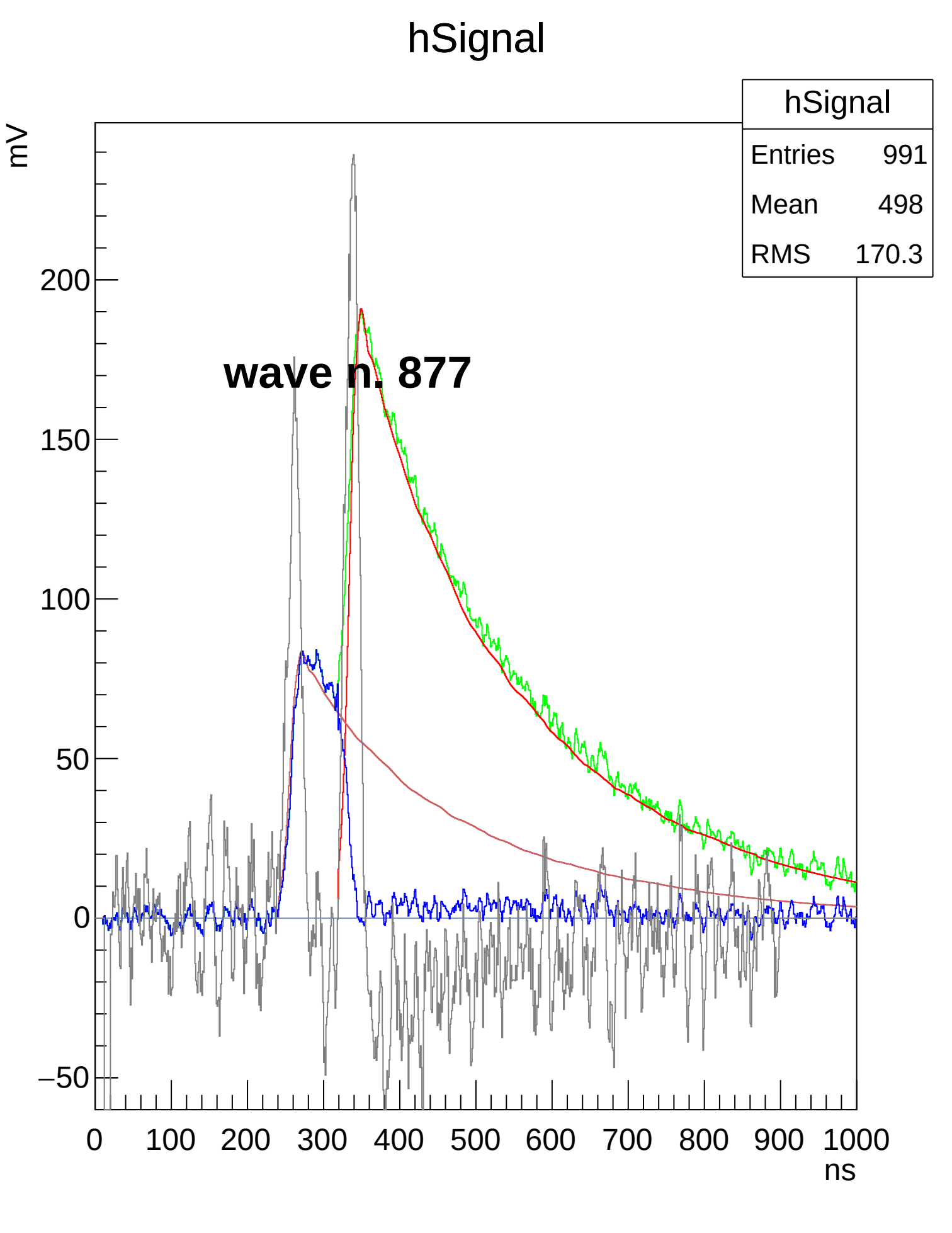

hSignal
hSignal
Entries 991
Mean 420.9
RMS 177.2
wave n. 872
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

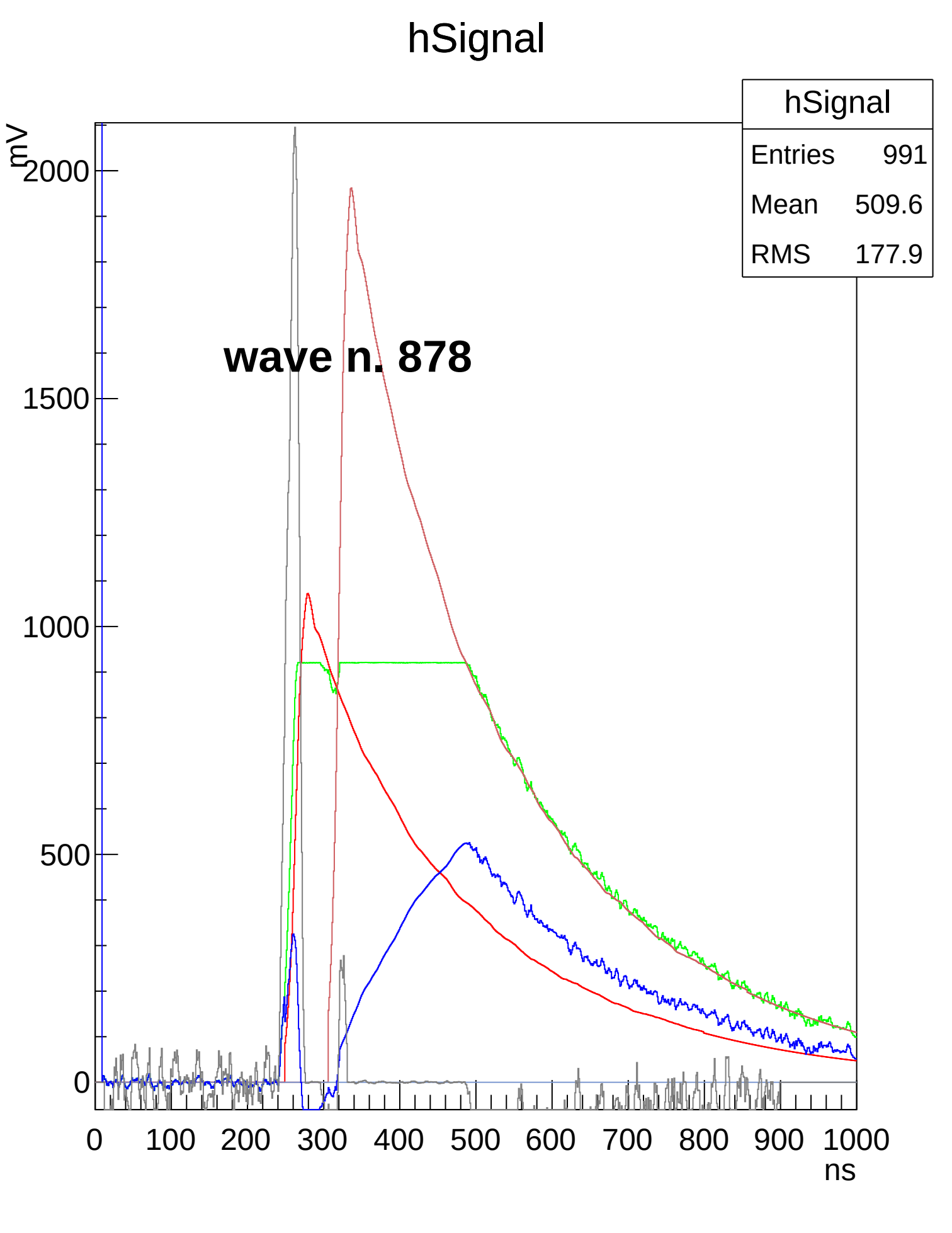

hSignal
hSignal
Entries 991
Mean 460.2
RMS 182.1
wave n. 873
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

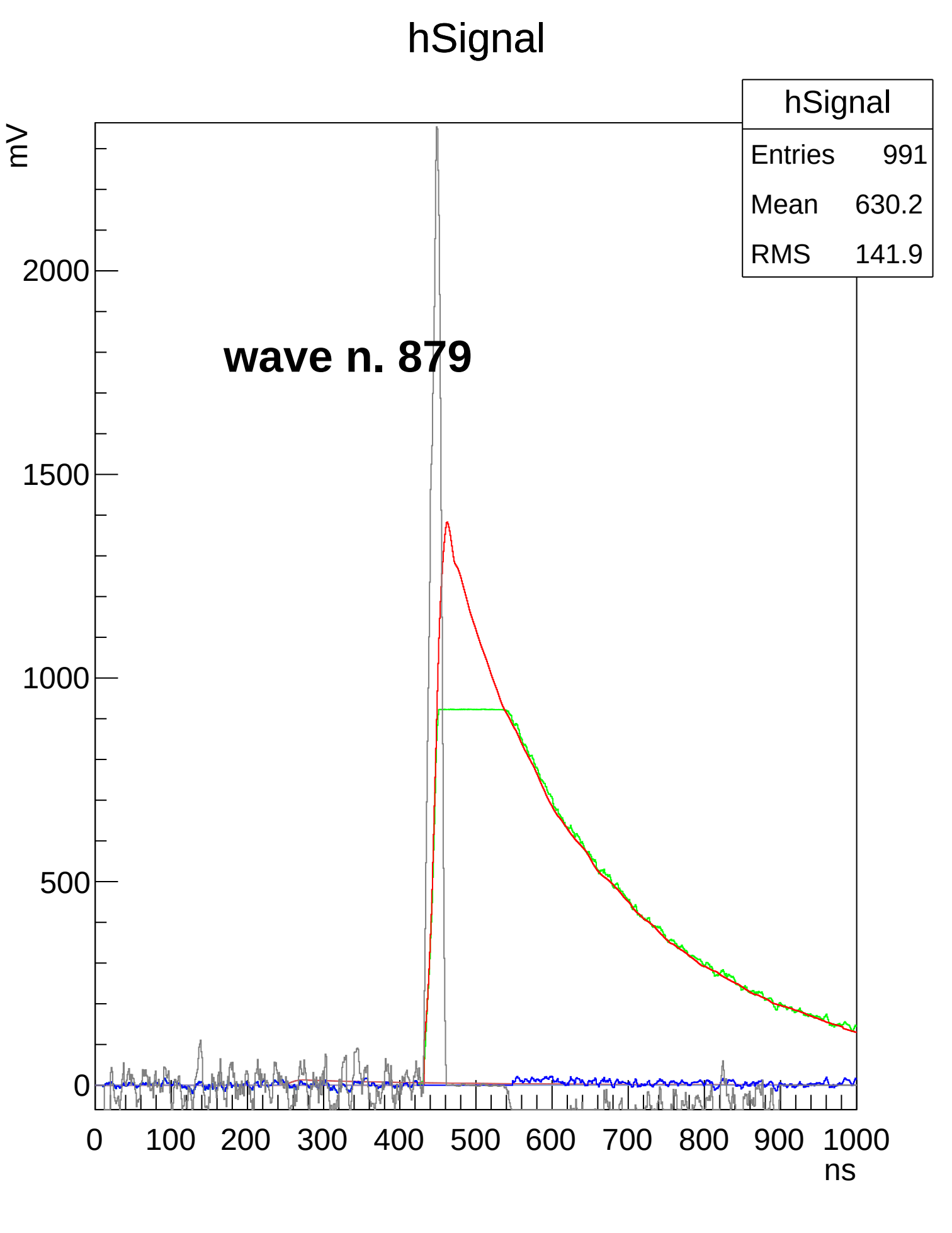

hSignal
hSignal
Entries 991
Mean 464.6
RMS 179.4
wave n. 874
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

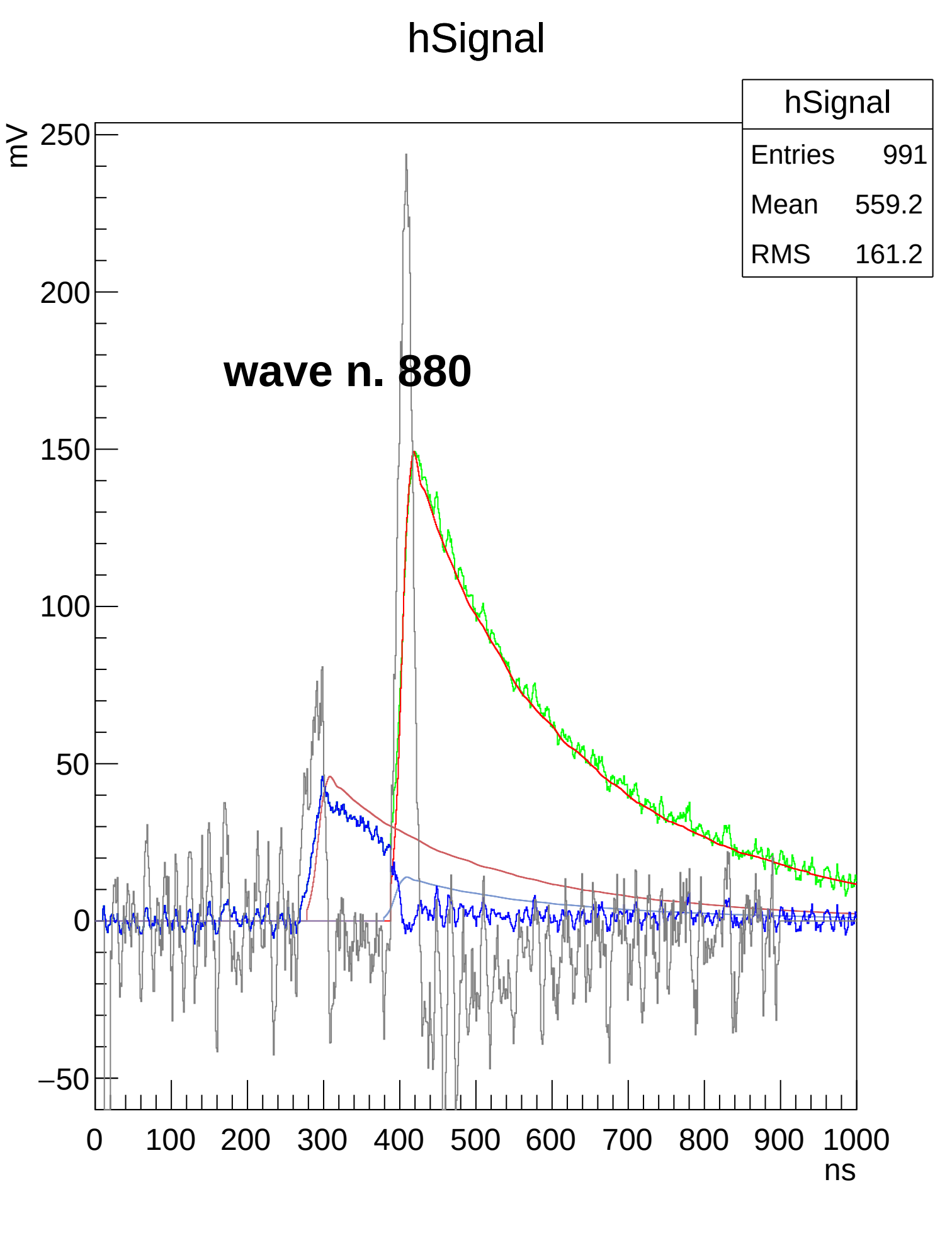

hSignal
hSignal
Entries 991
Mean 495.8
RMS 180.4
wave n. 875
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

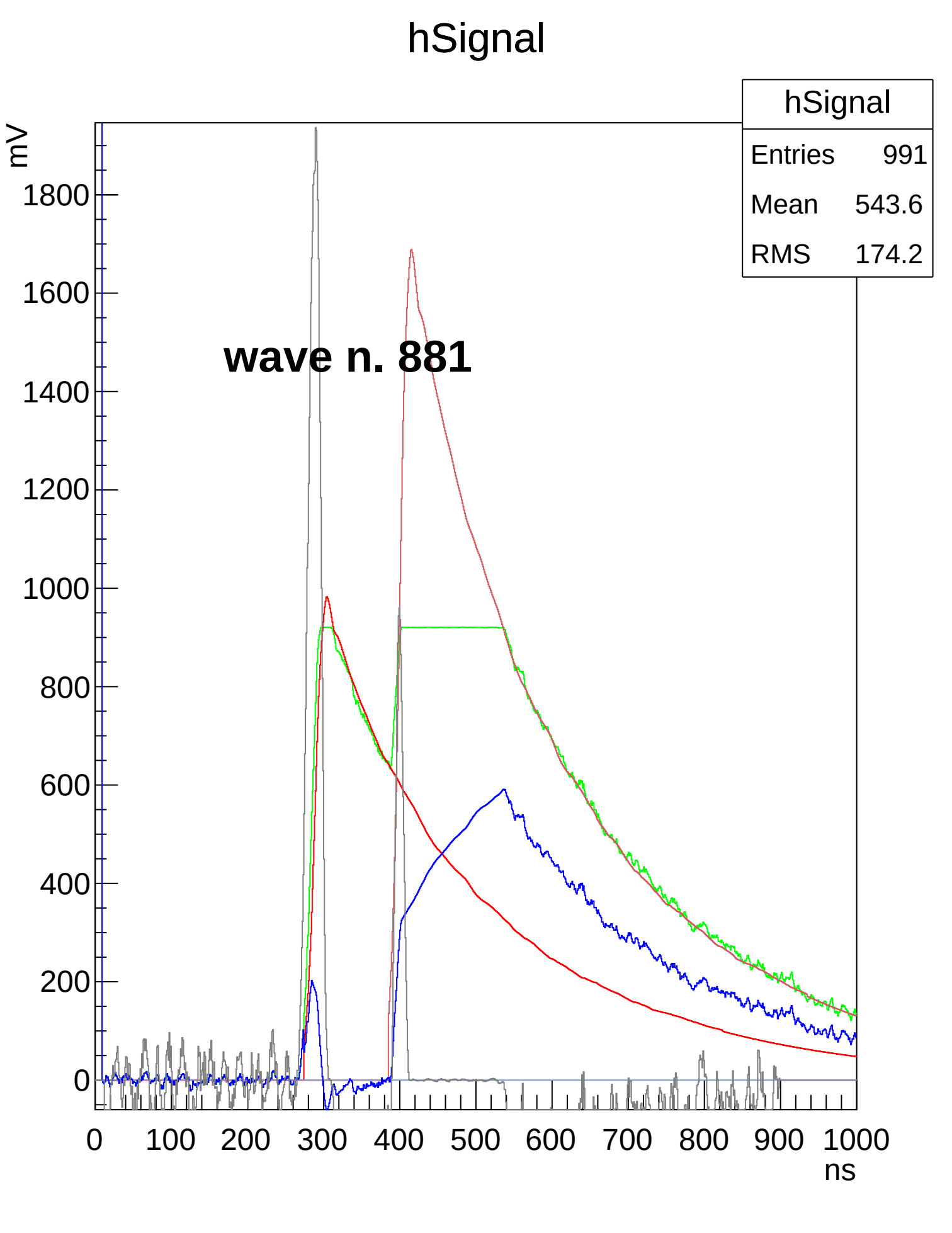

hSignal
hSignal
Entries 991
Mean 478.1
RMS 172.2
wave n. 876
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

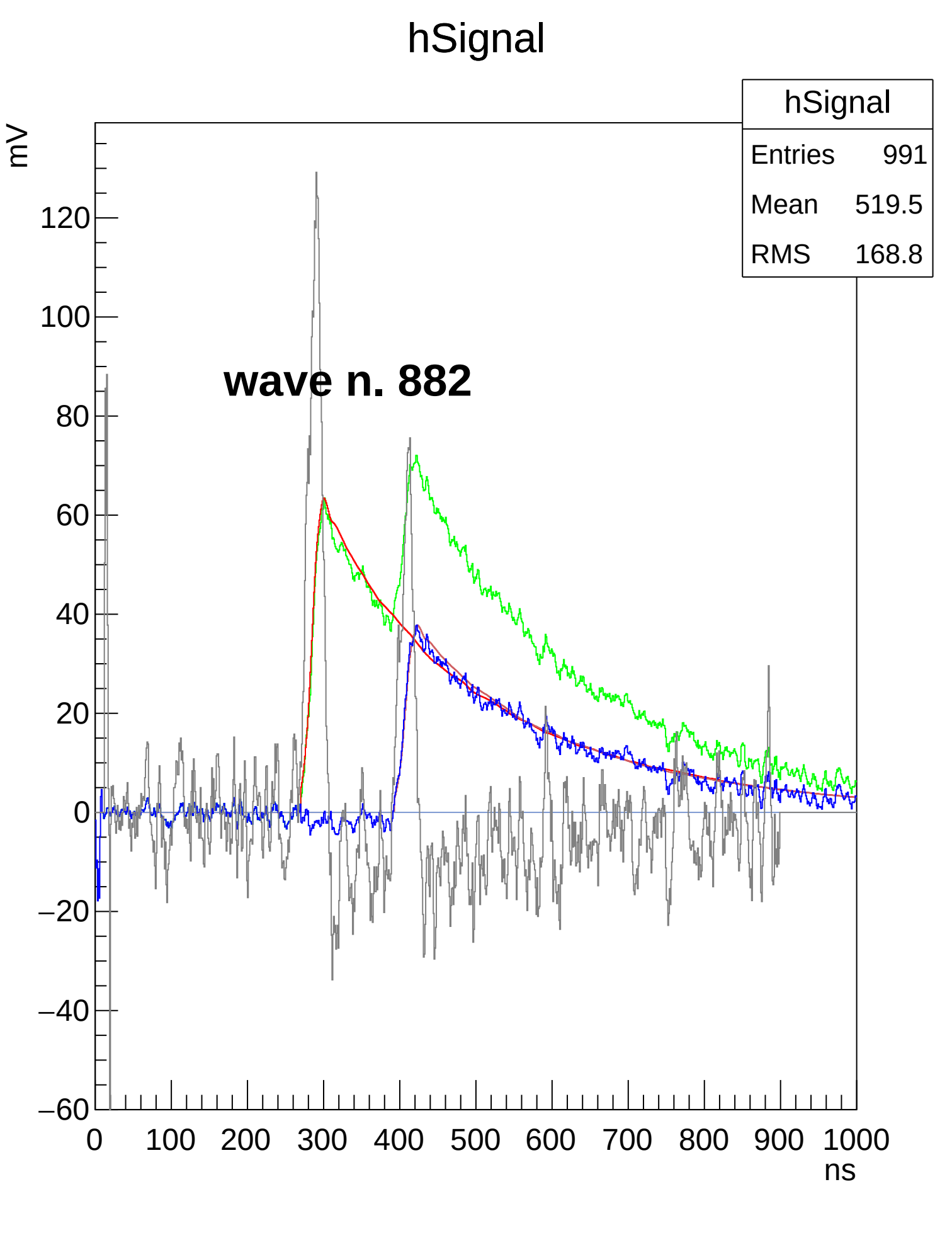

hSignal
hSignal
Entries 991
Mean 498
RMS 170.3
wave n. 877
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

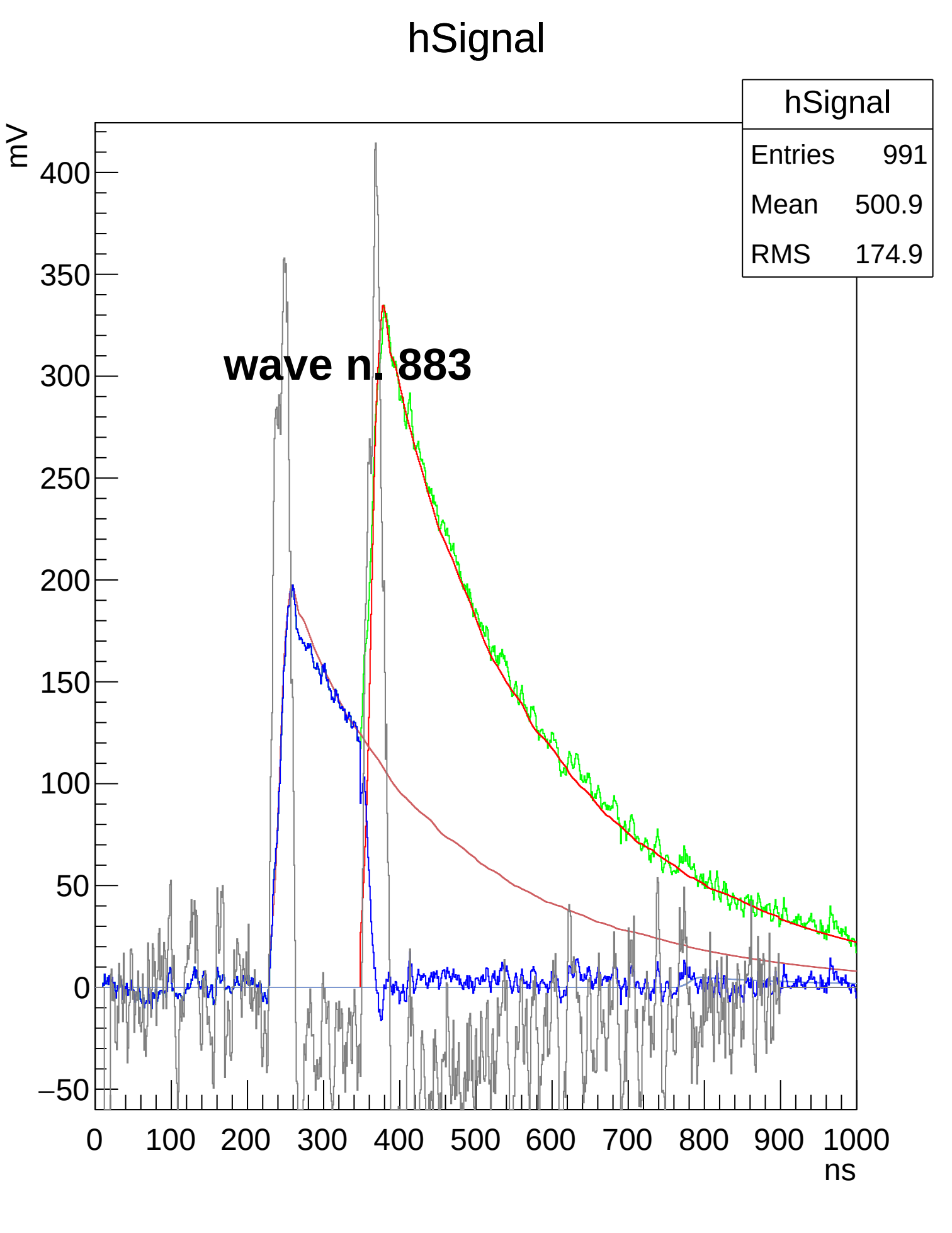

hSignal
hSignal
Entries 991
Mean 509.6
RMS 177.9
wave n. 878
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

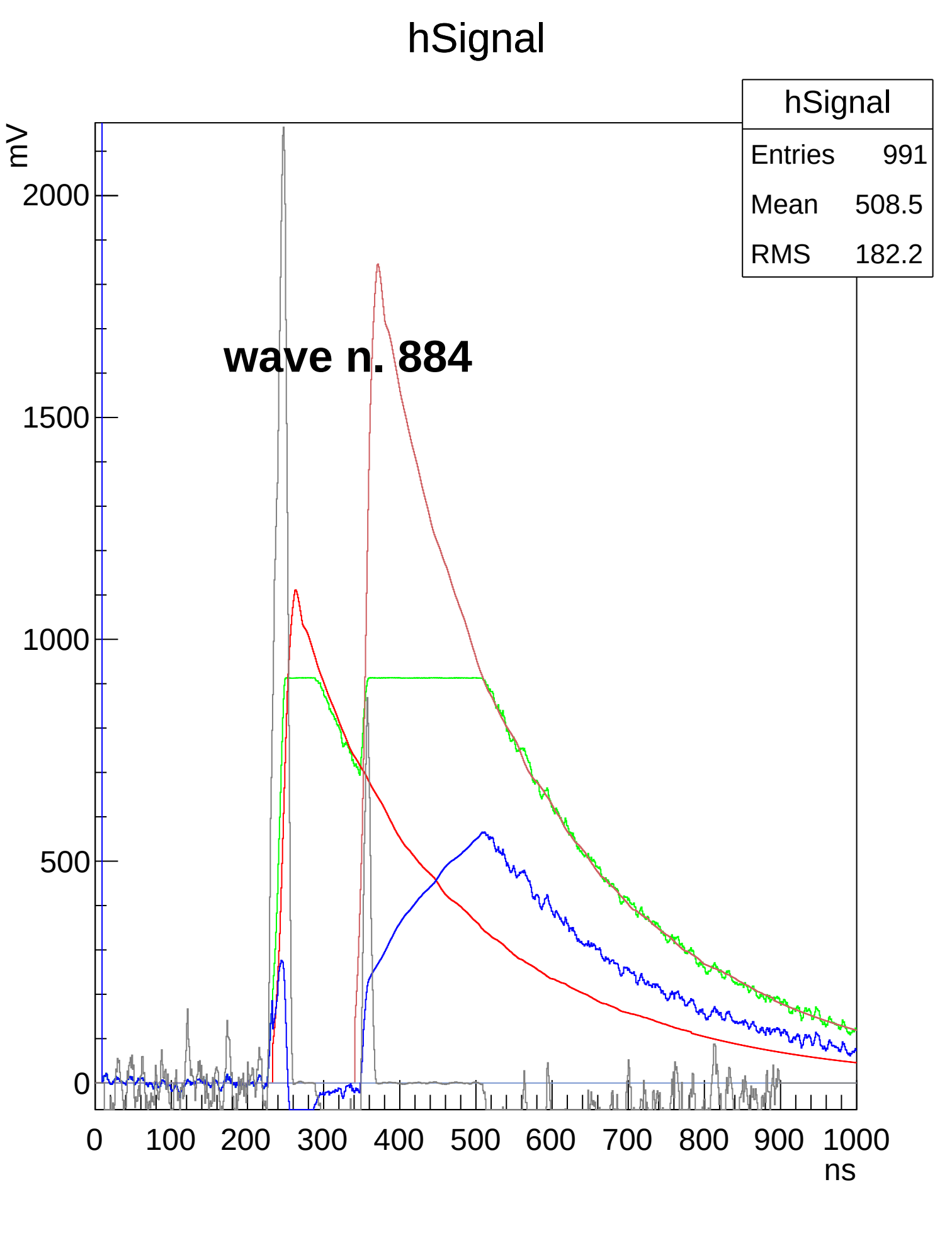

hSignal
hSignal
Entries 991
Mean 630.2
RMS 141.9
wave n. 879
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

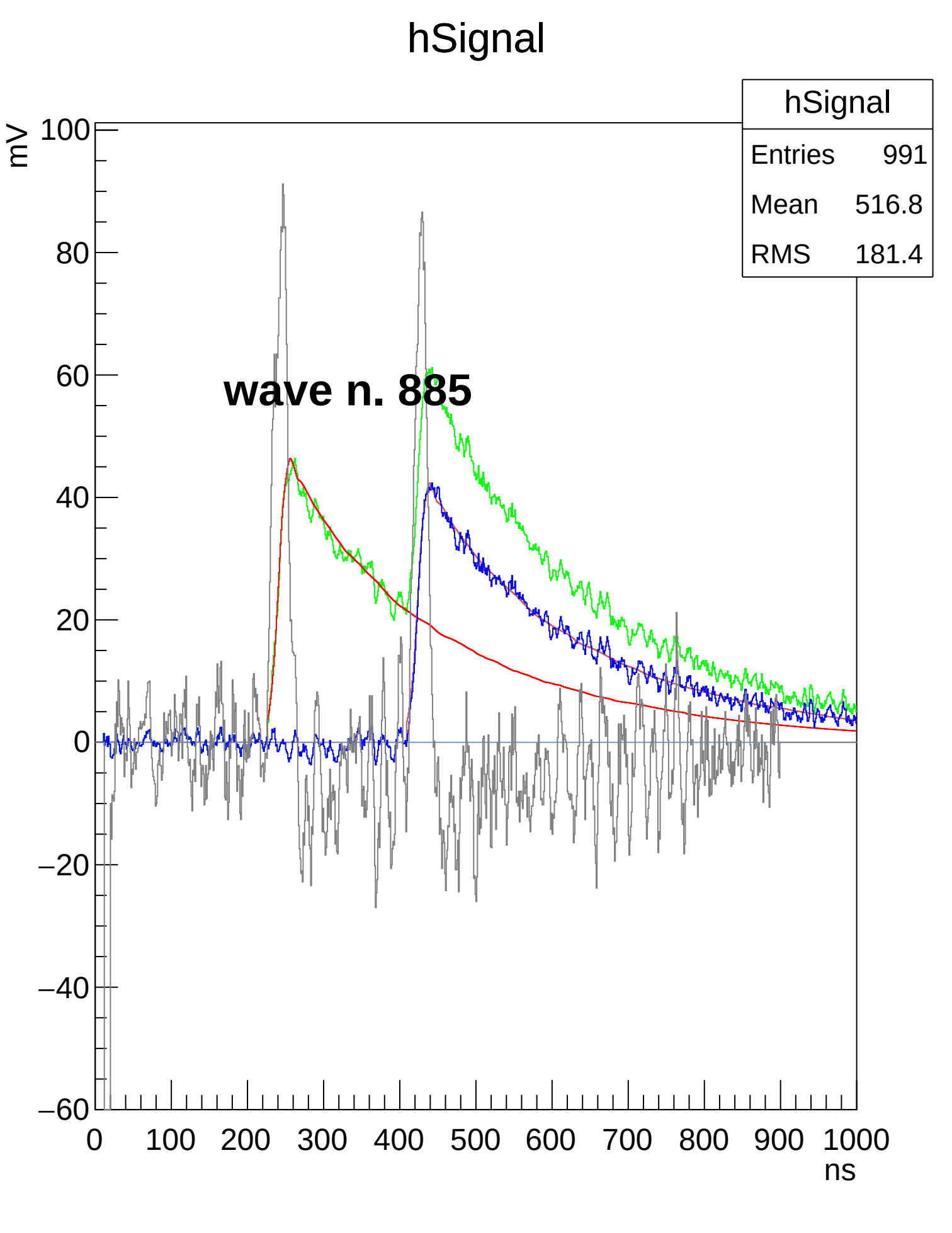

hSignal
hSignal
Entries 991
Mean 559.2
RMS 161.2
wave n. 880
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

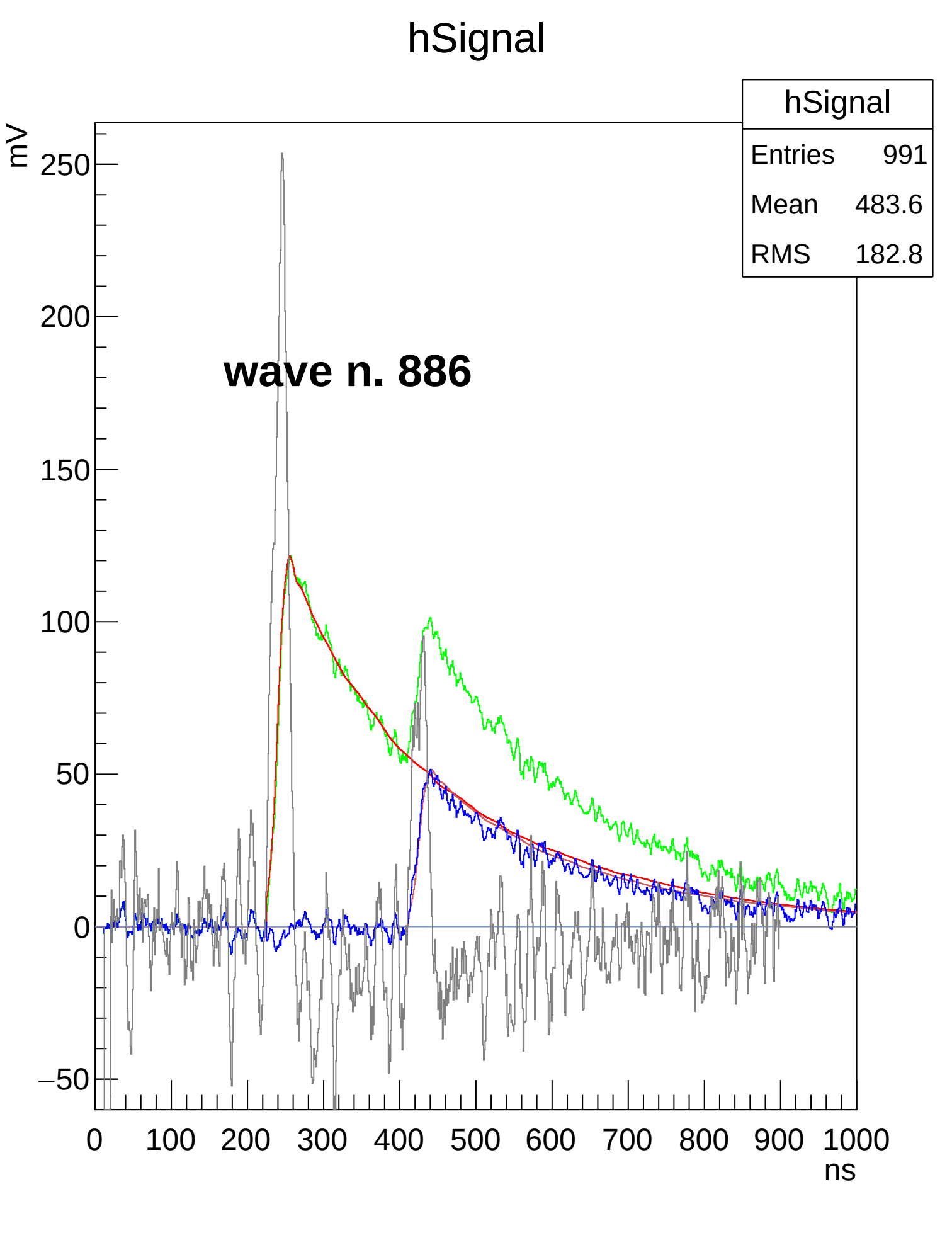

hSignal
hSignal
Entries 991
Mean 543.6
RMS 174.2
wave n. 881
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

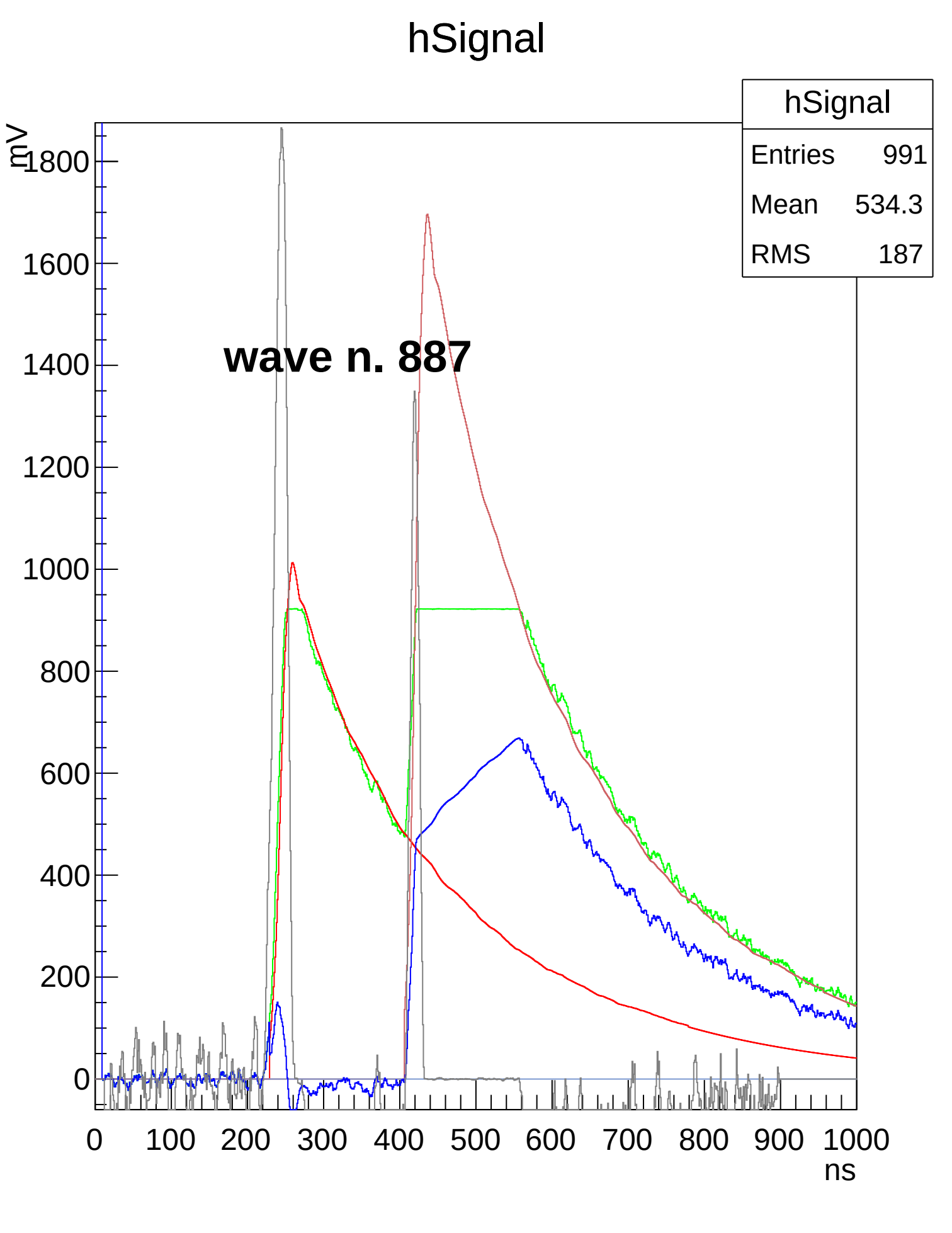

hSignal
hSignal
Entries 991
Mean 519.5
RMS 168.8
wave n. 882
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

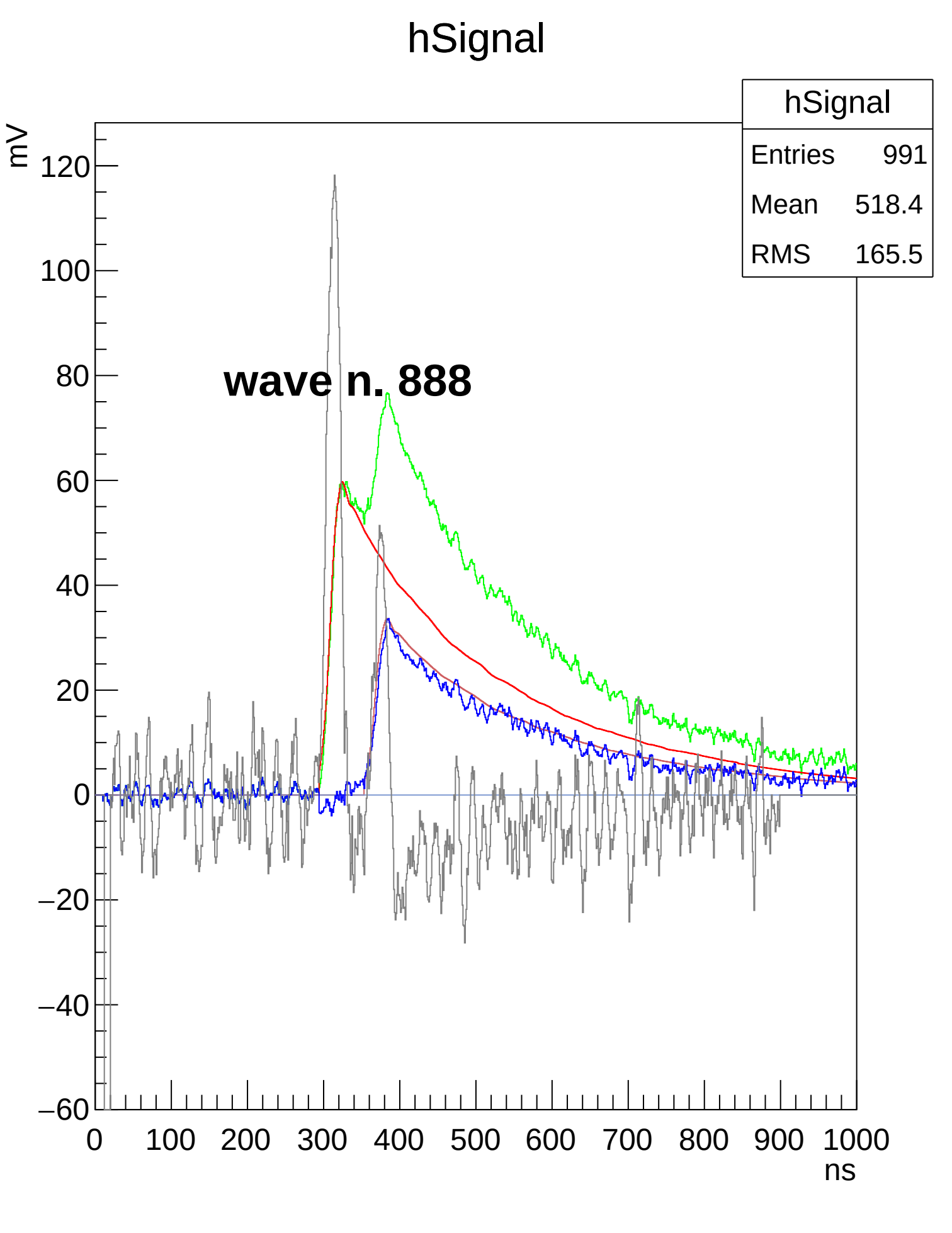

hSignal
hSignal
Entries 991
Mean 500.9
RMS 174.9
wave n. 883
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

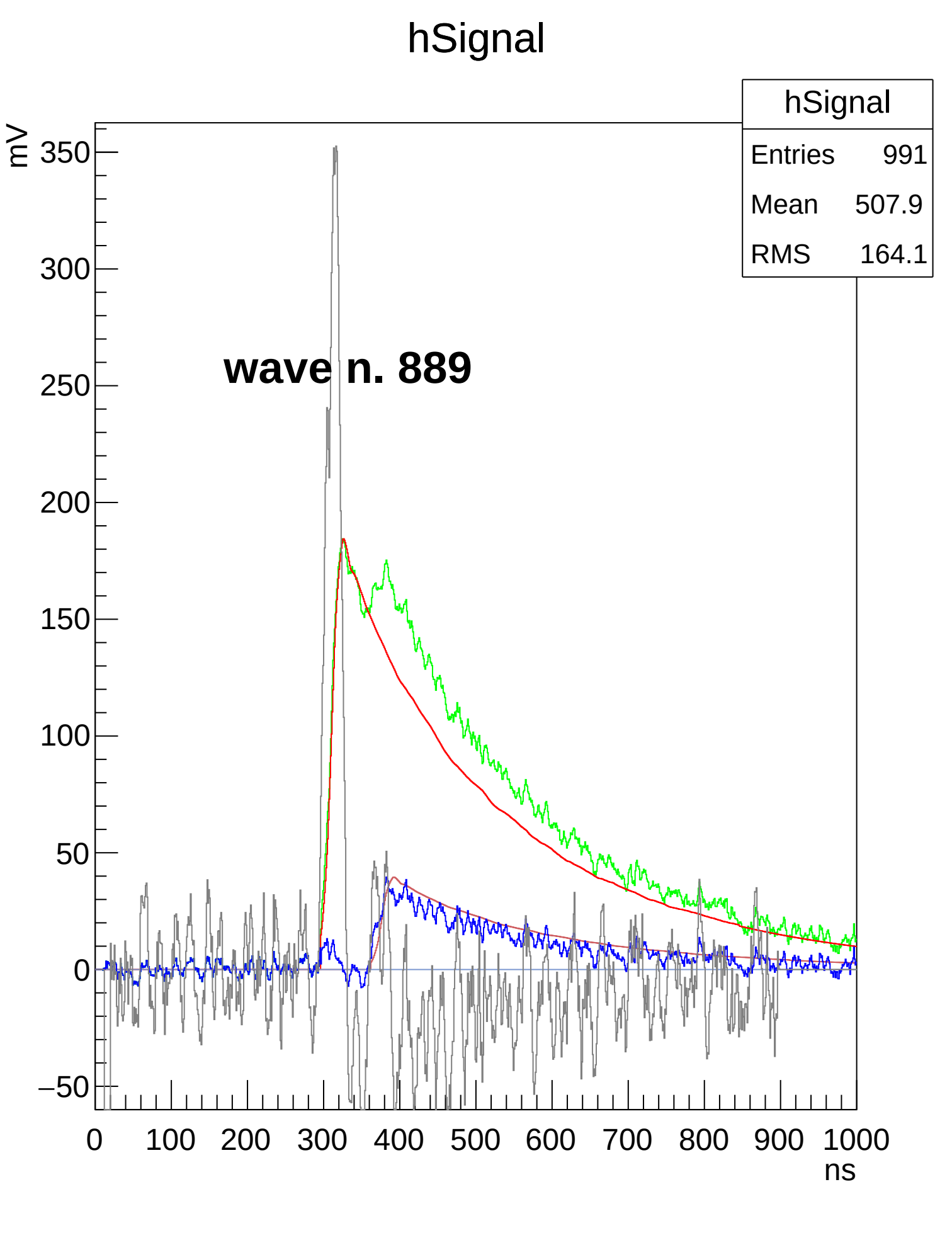

hSignal
hSignal
Entries 991
Mean 508.5
RMS 182.2
wave n. 884
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

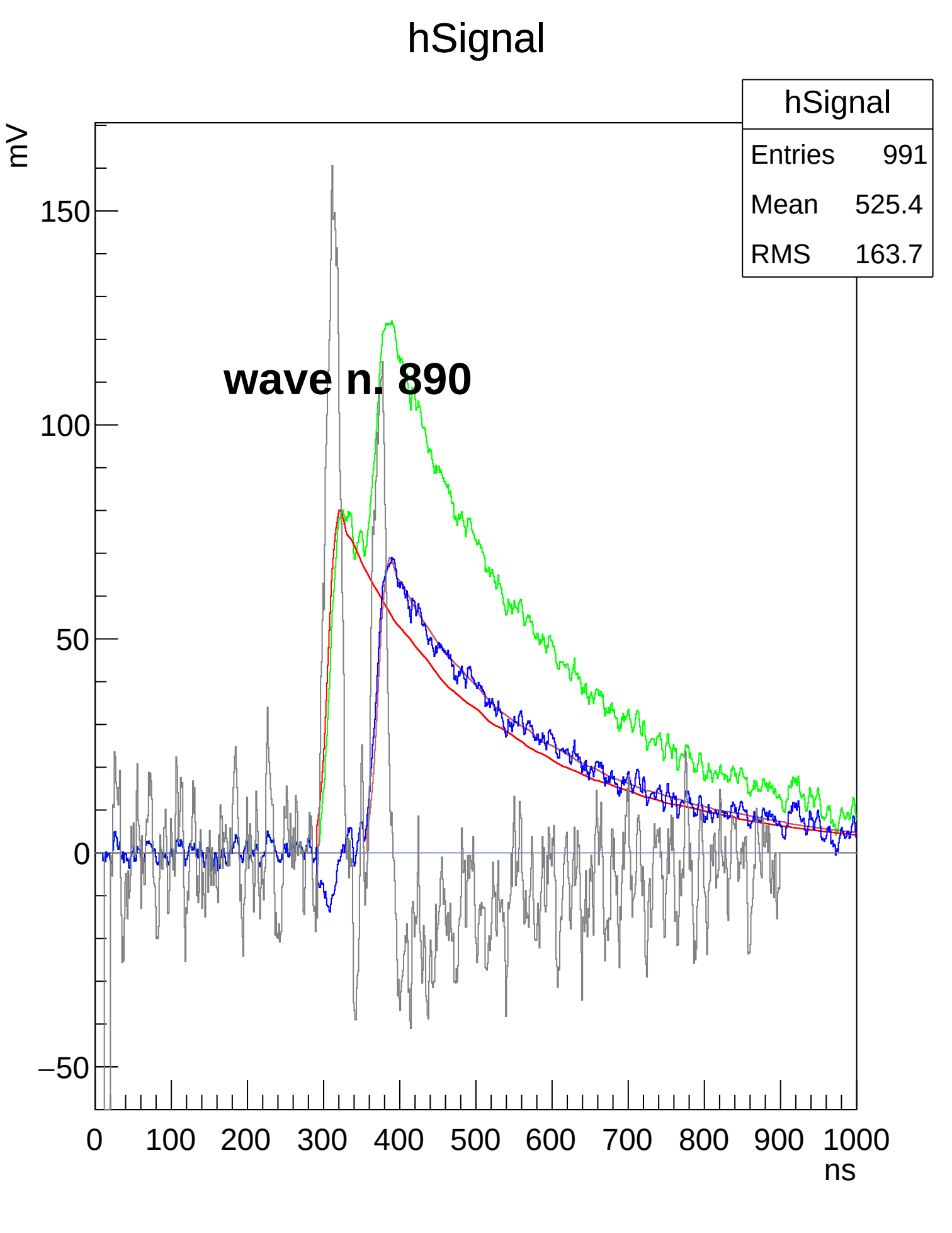

hSignal
hSignal
Entries 991
Mean 516.8
RMS 181.4
wave n. 885
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

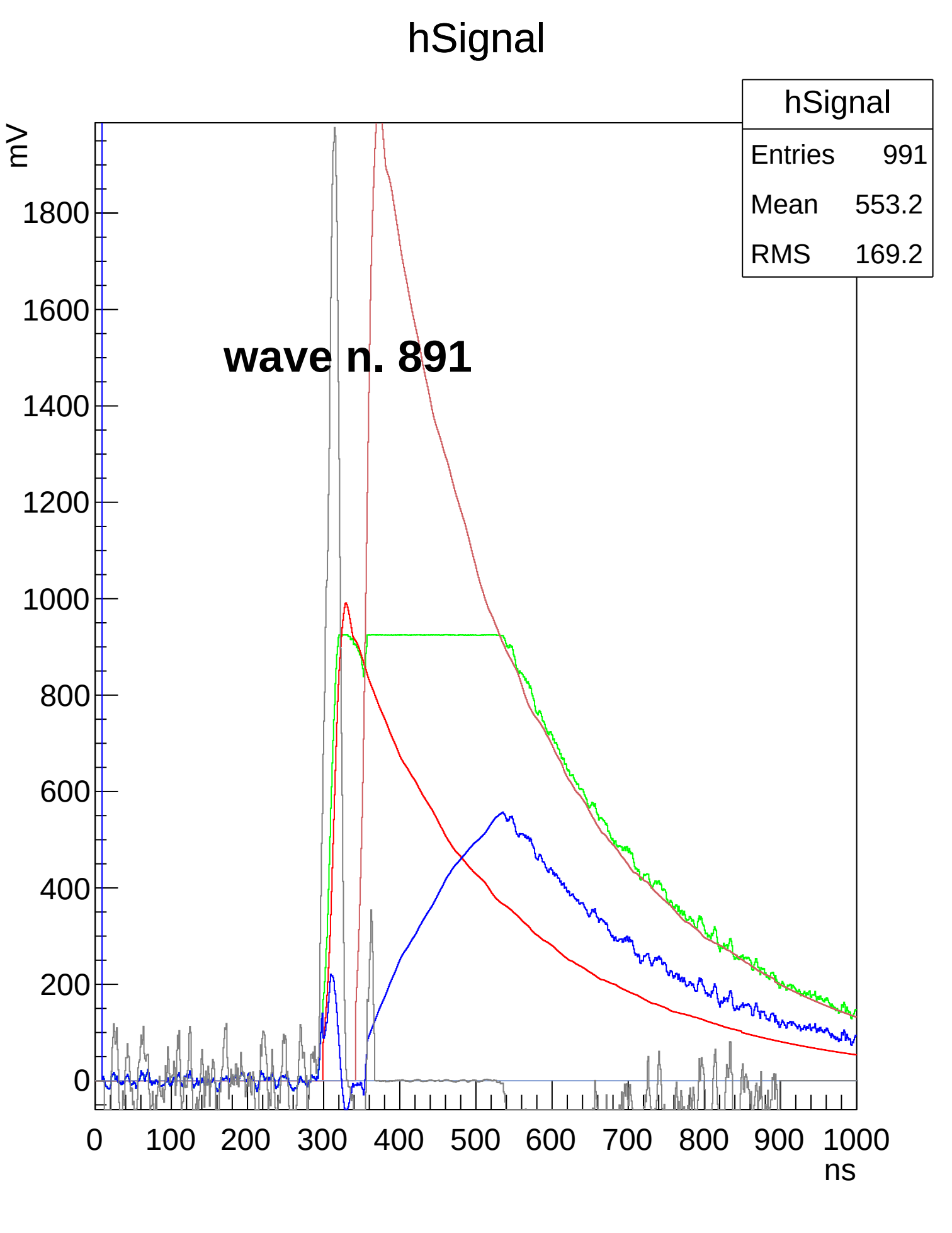

hSignal
hSignal
Entries 991
Mean 483.6
RMS 182.8
wave n. 886
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

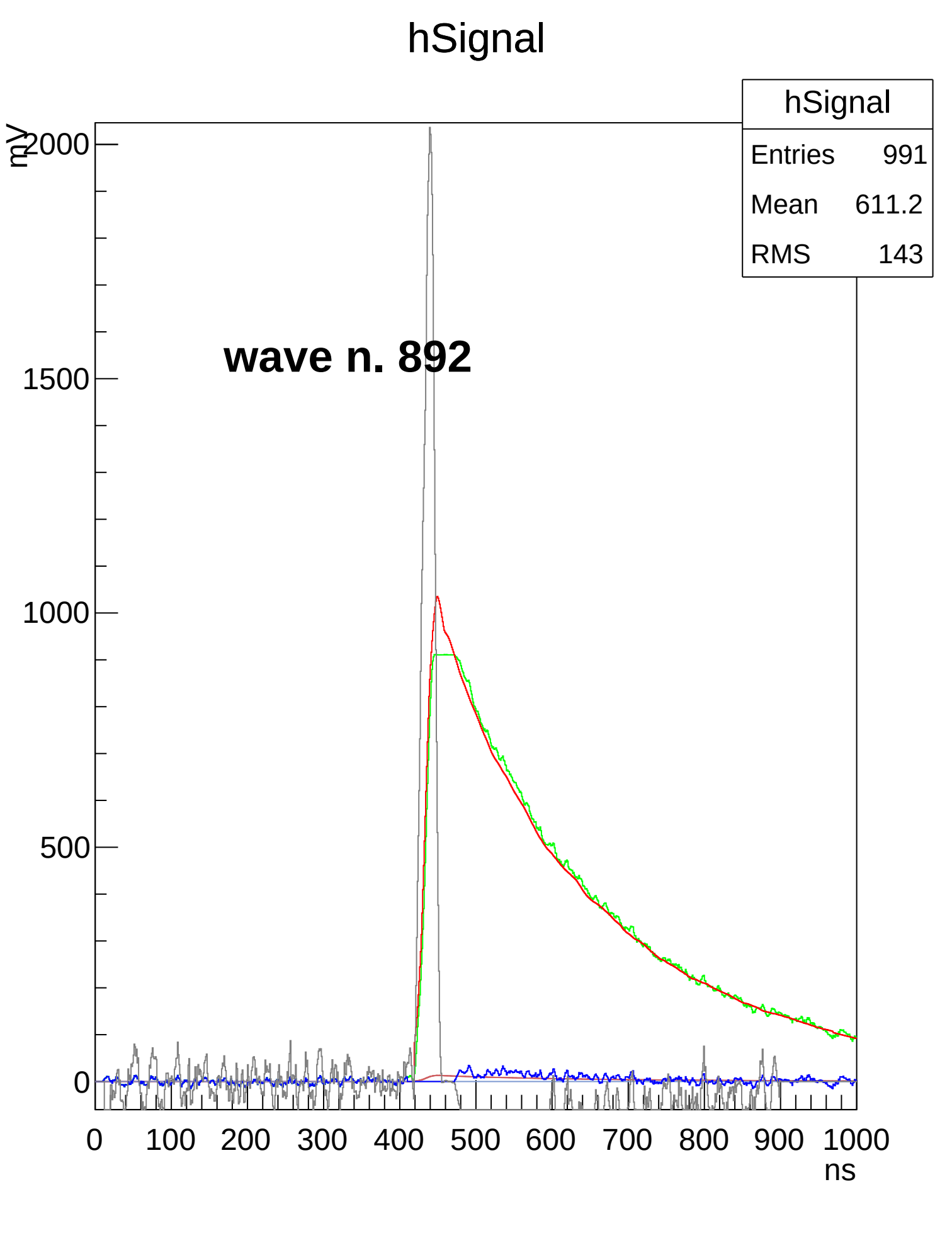

hSignal
hSignal
Entries 991
Mean 534.3
RMS 187
wave n. 887
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

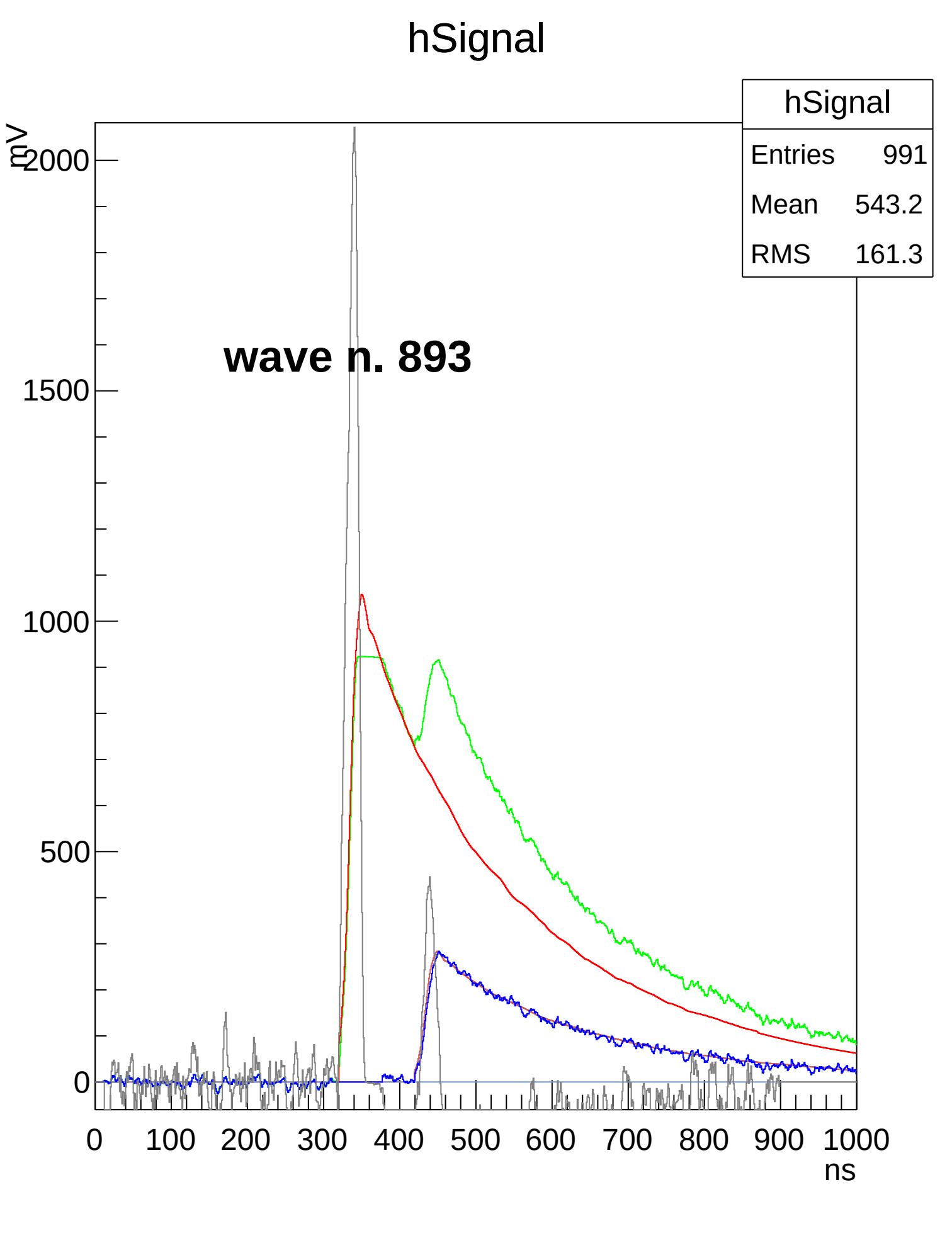

hSignal
hSignal
Entries 991
Mean 518.4
RMS 165.5
wave n. 888
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

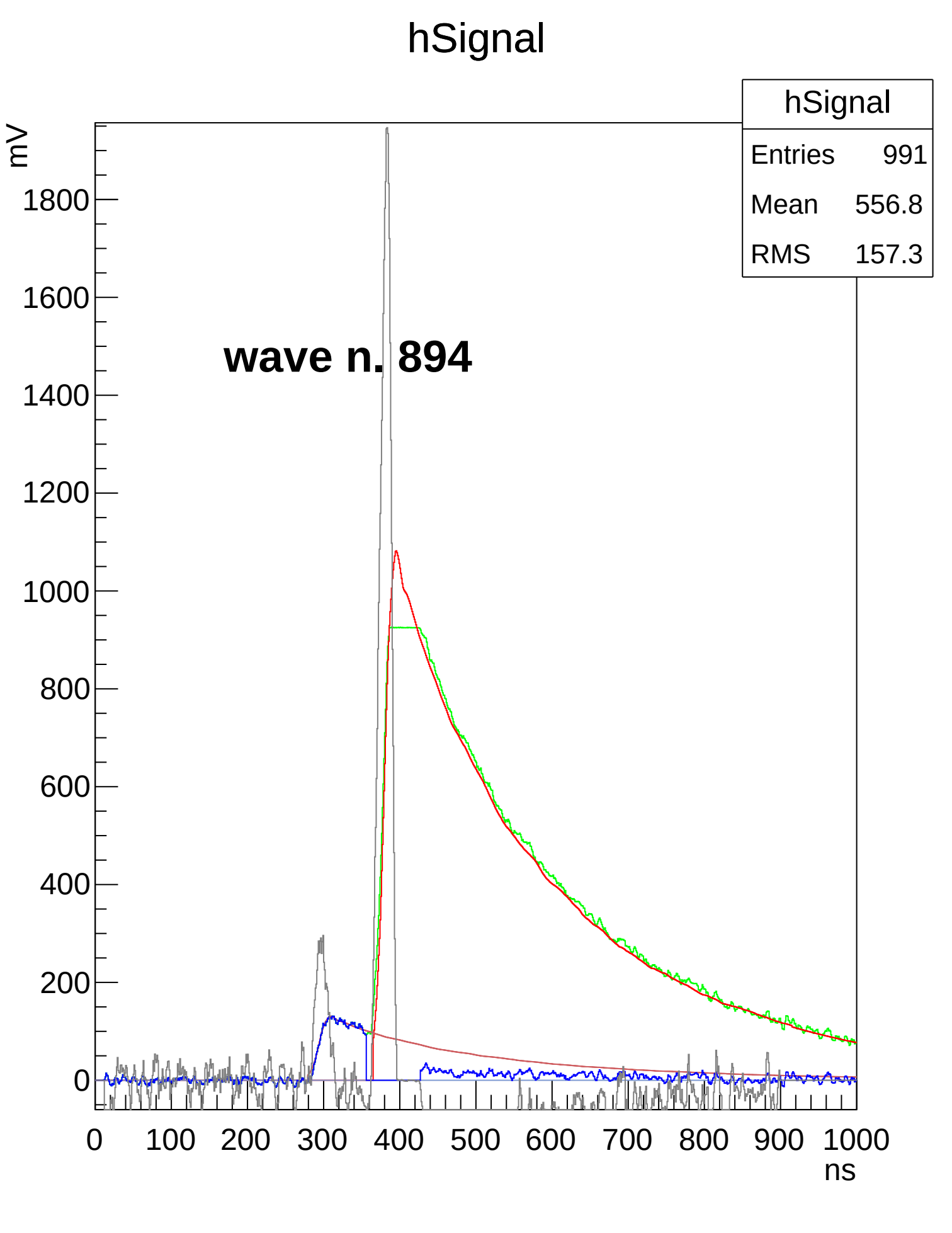

hSignal
hSignal
Entries 991
Mean 507.9
RMS 164.1
wave n. 889
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

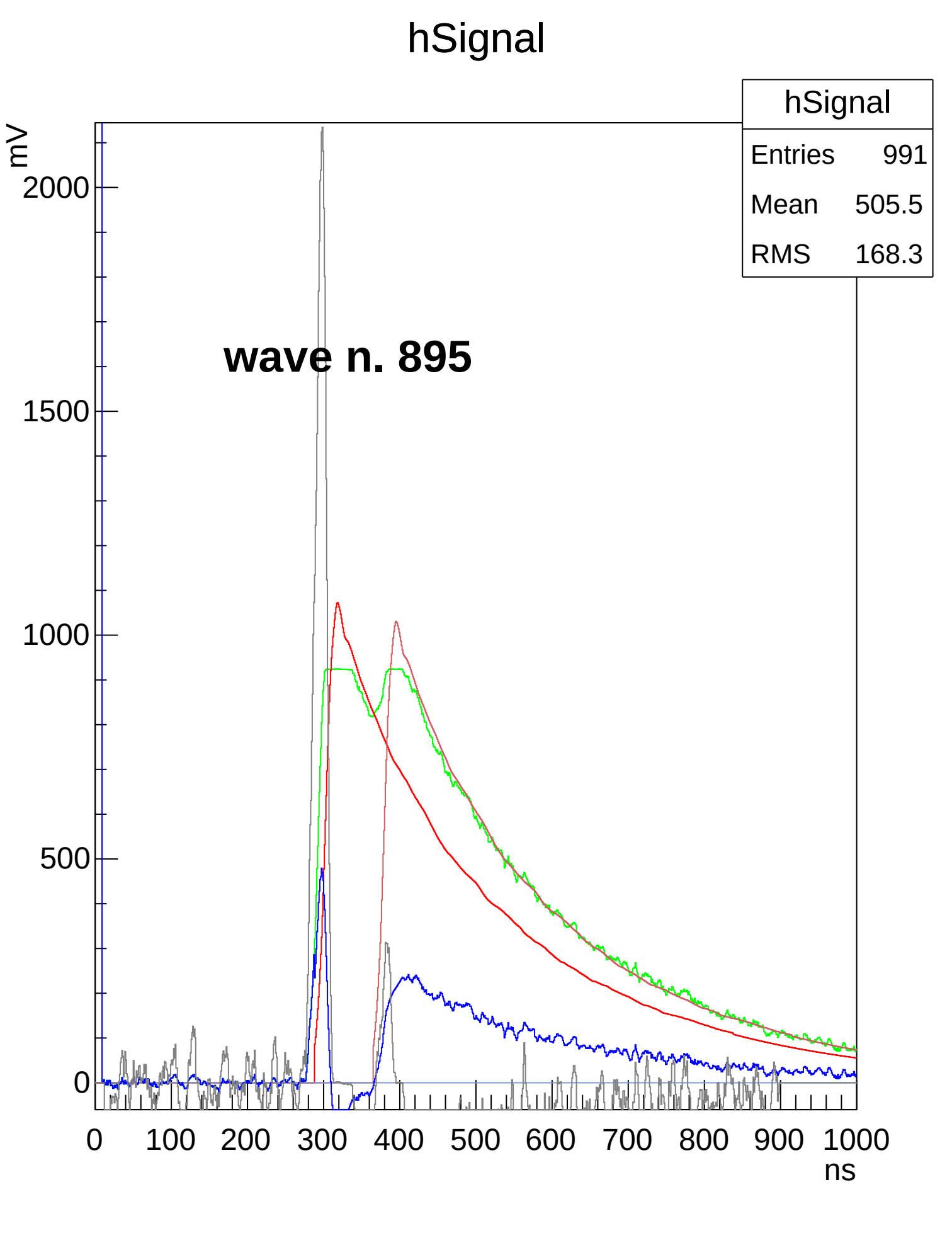

hSignal
hSignal
Entries 991
Mean 525.4
RMS 163.7
wave n. 890
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

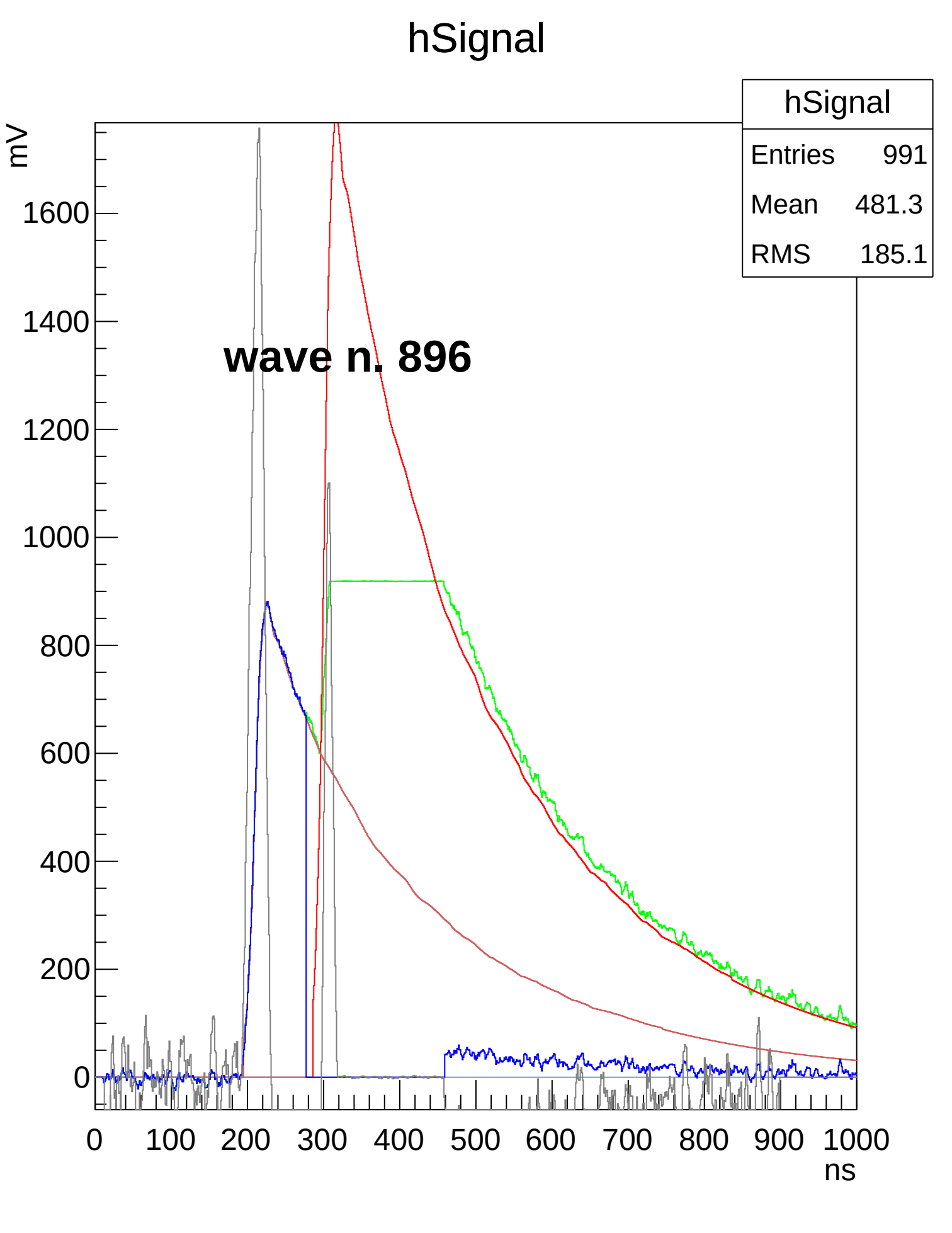

hSignal
hSignal
Entries 991
Mean 553.2
RMS 169.2
wave n. 891
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

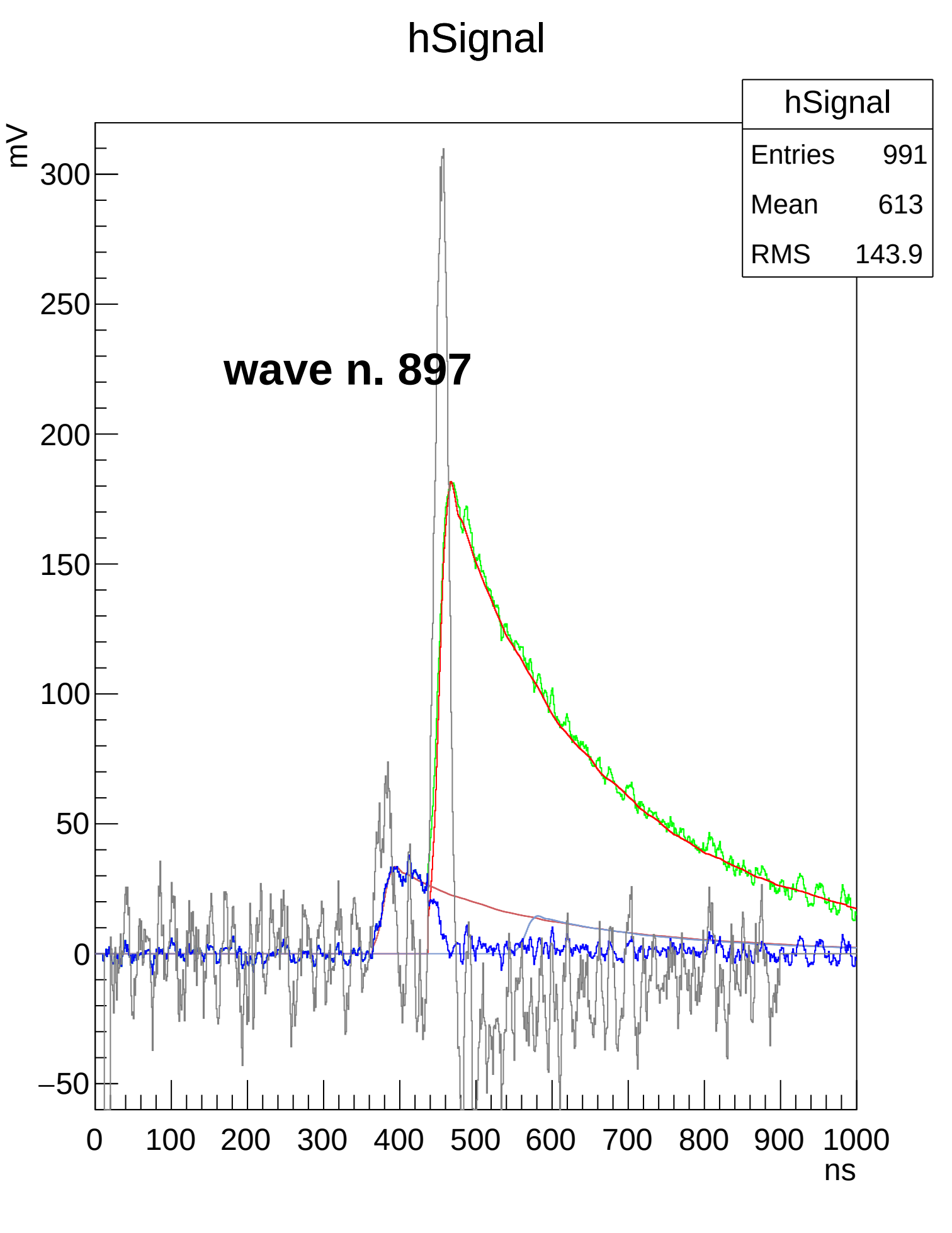

hSignal
hSignal
Entries 991
Mean 611.2
RMS 143
wave n. 892
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

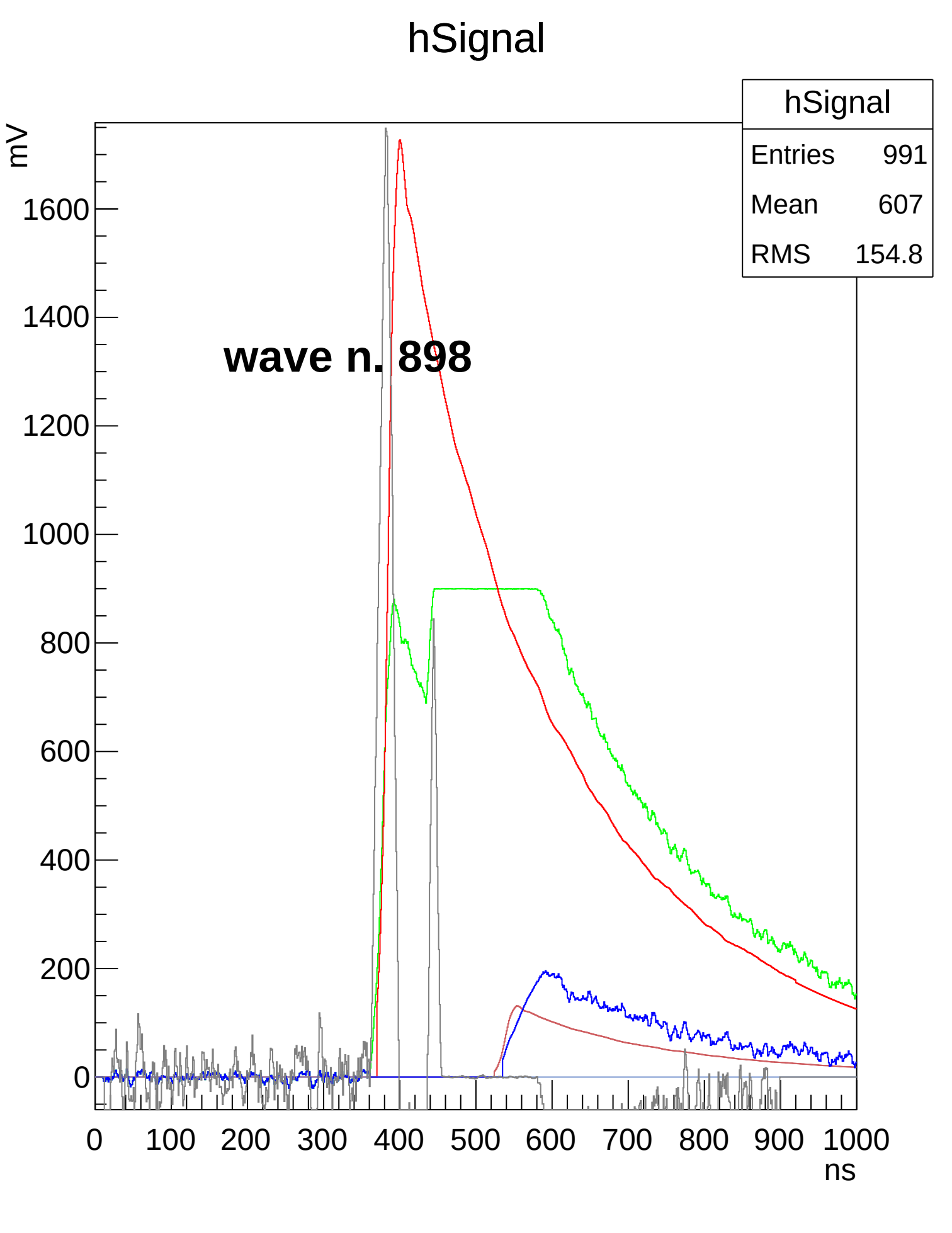

hSignal
hSignal
Entries 991
Mean 543.2
RMS 161.3
wave n. 893
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

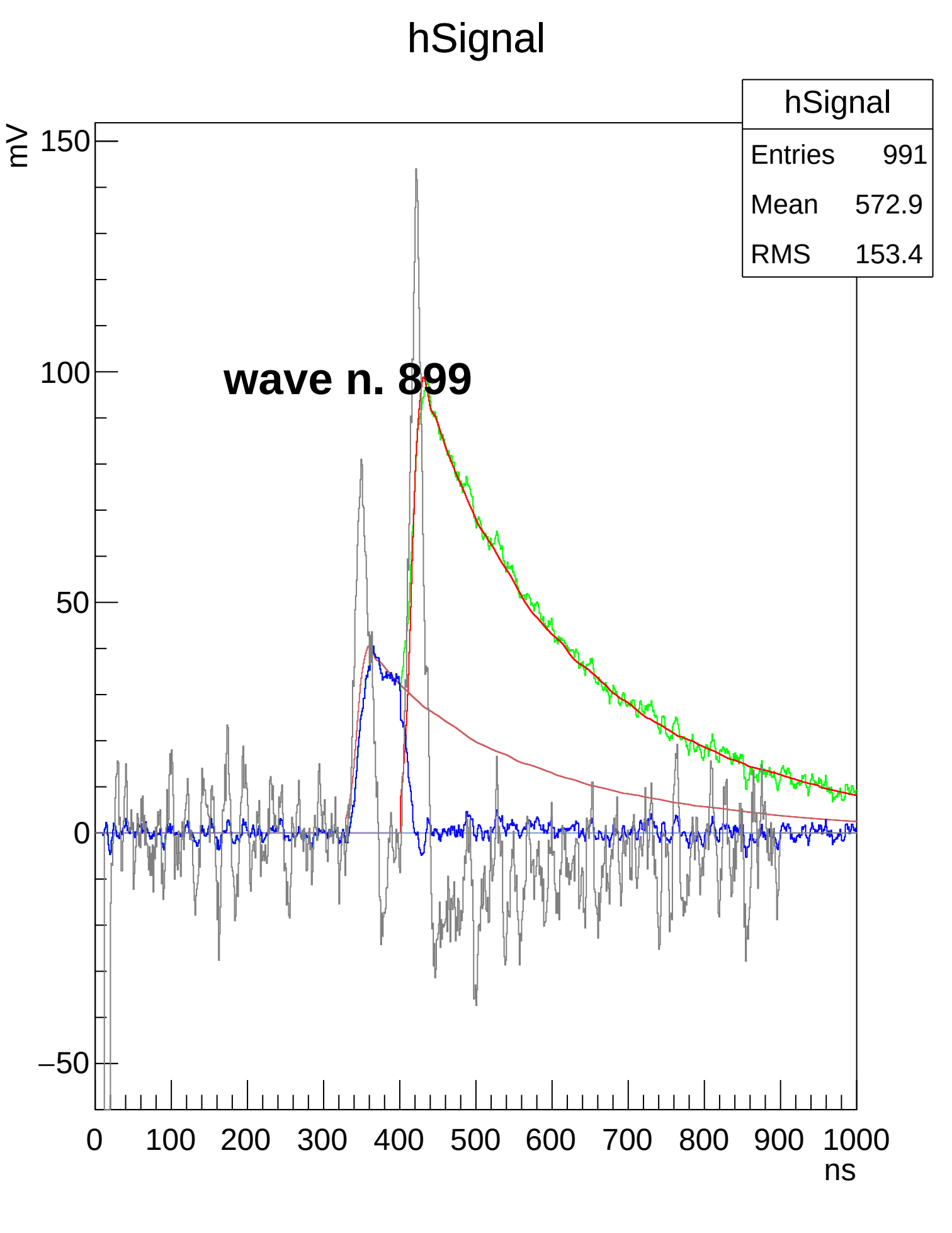

hSignal
hSignal
Entries 991
Mean 556.8
RMS 157.3
wave n. 894
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

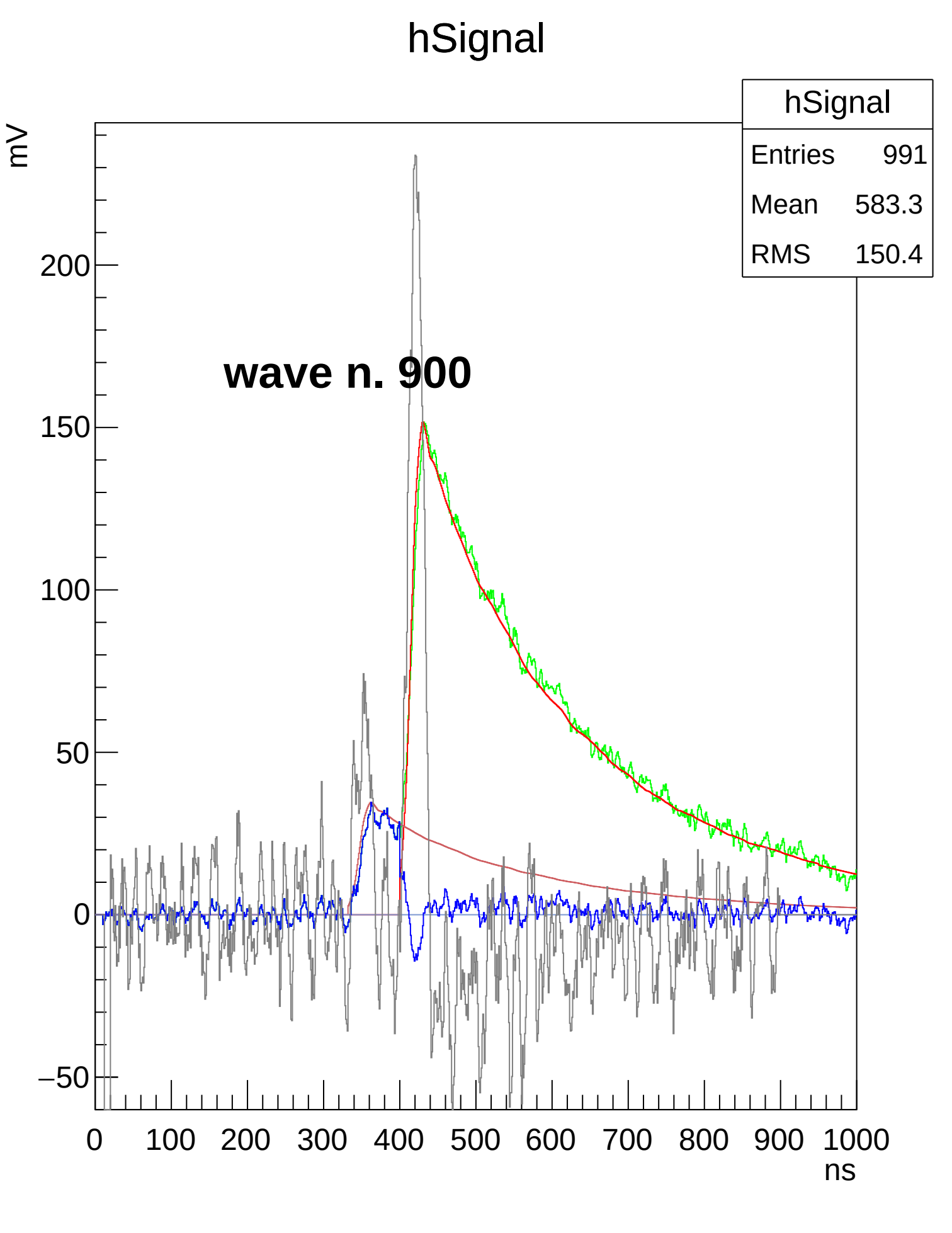

hSignal
hSignal
Entries 991
Mean 505.5
RMS 168.3
wave n. 895
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

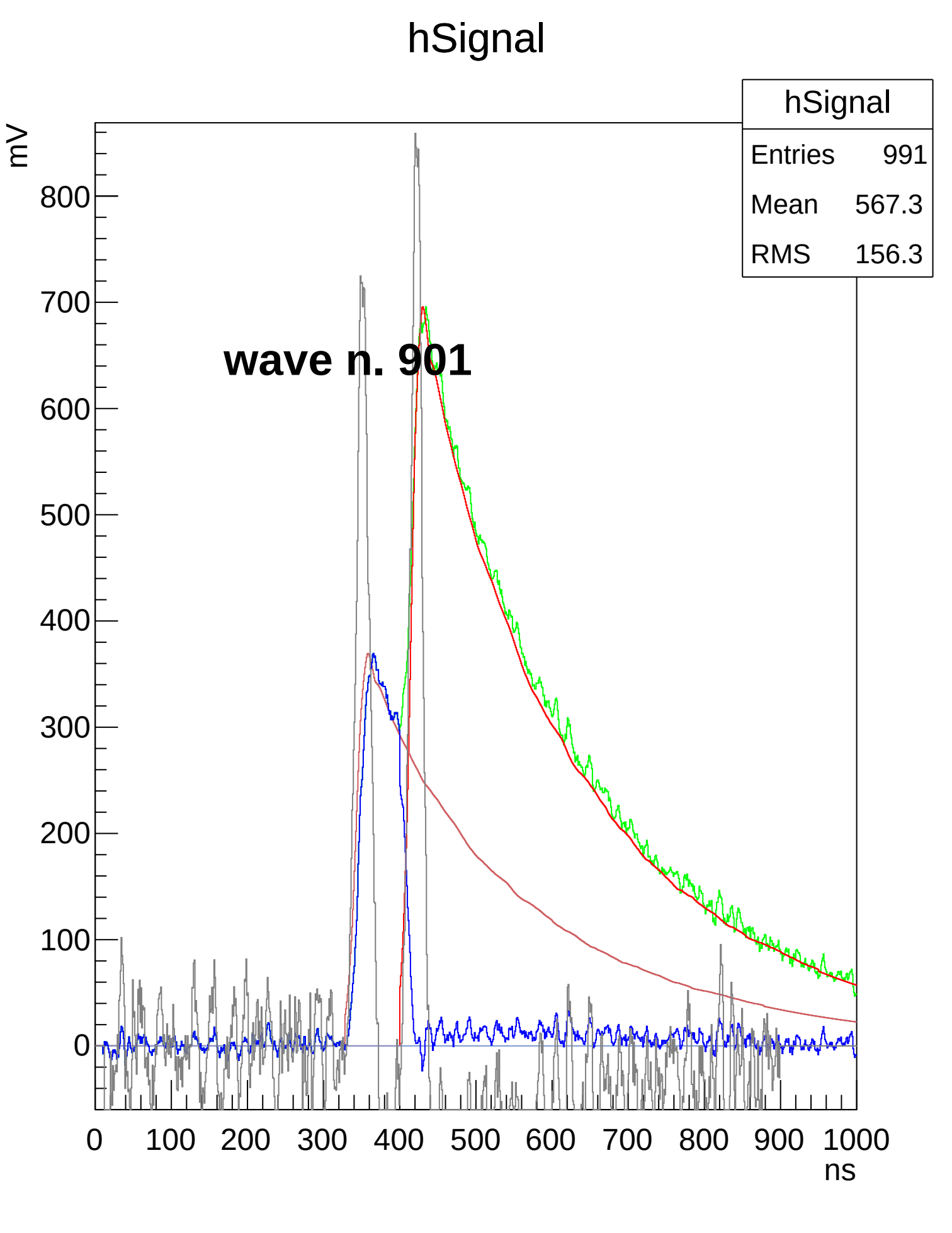

hSignal
hSignal
Entries 991
Mean 481.3
RMS 185.1
wave n. 896
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

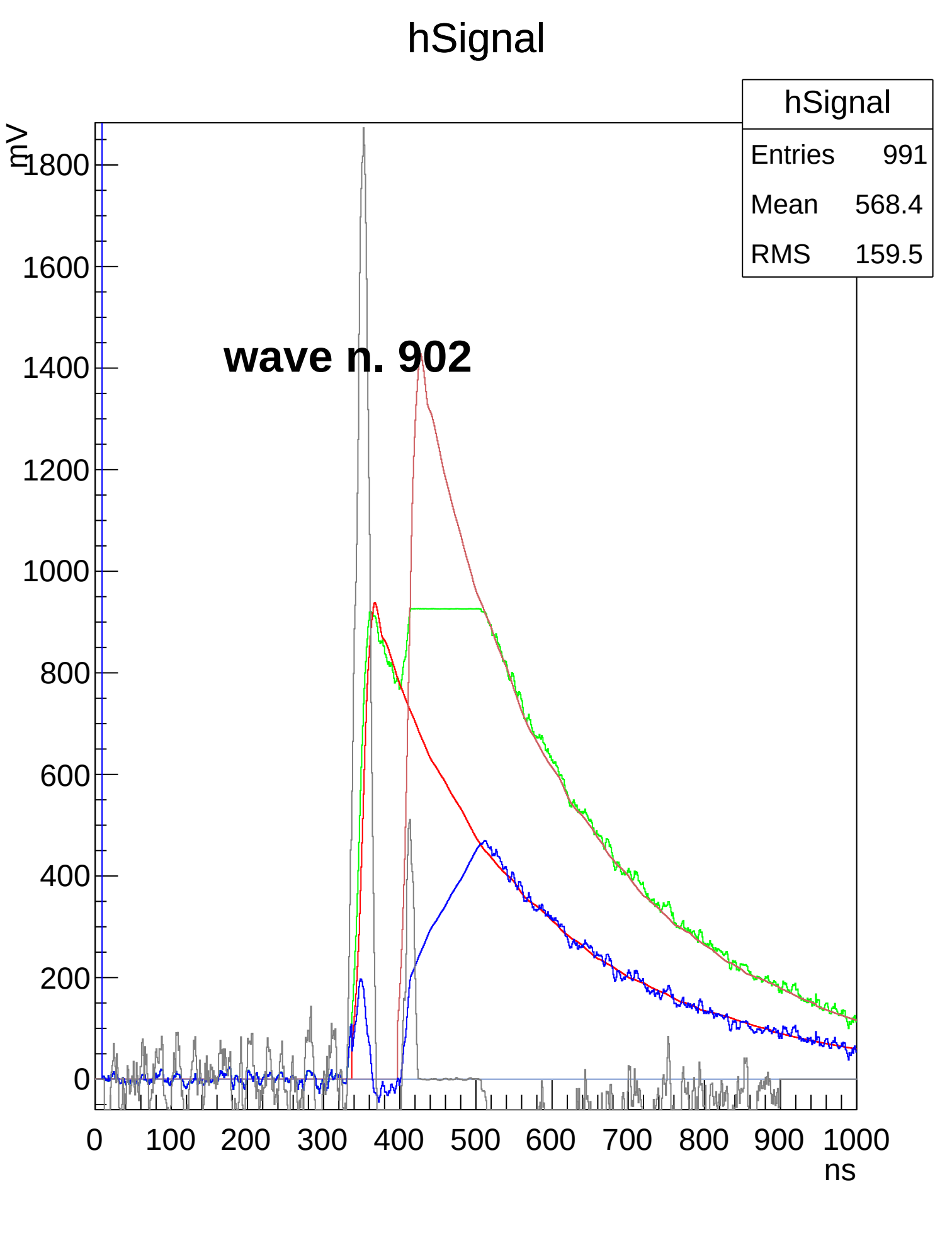

hSignal
hSignal
Entries 991
Mean 613
RMS 143.9
wave n. 897
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

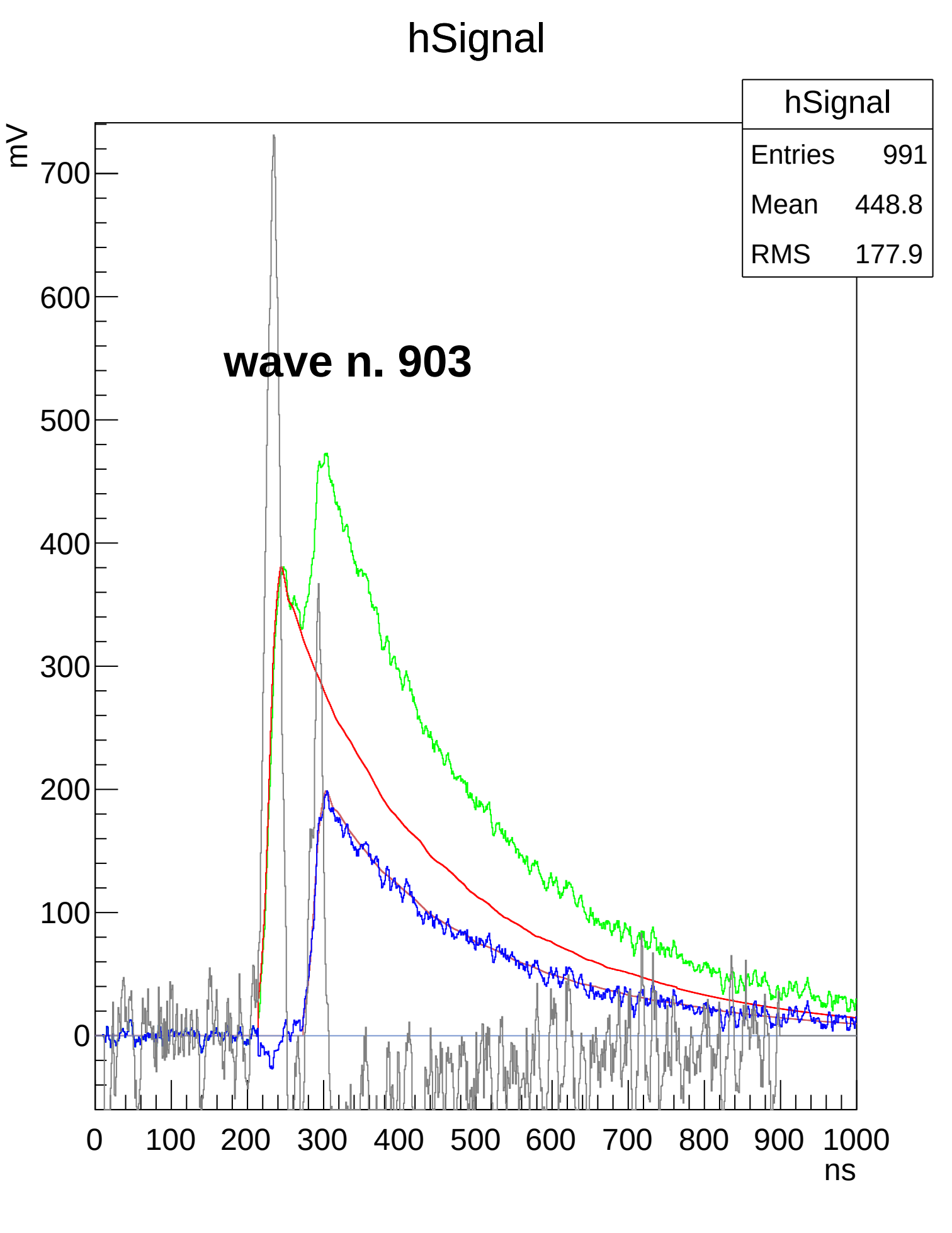

hSignal
hSignal
Entries 991
Mean 607
RMS 154.8
wave n. 898
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

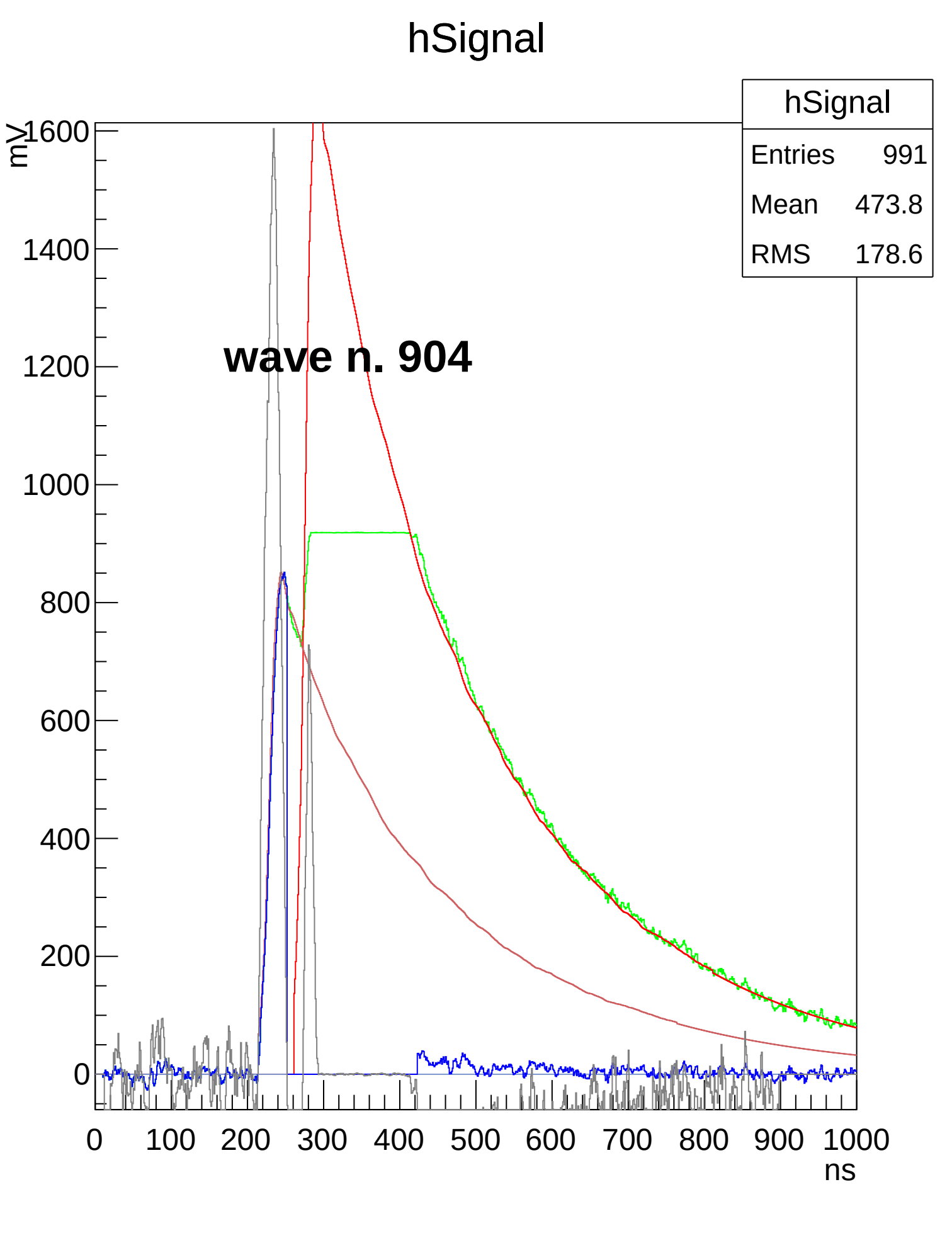

hSignal
hSignal
Entries 991
Mean 572.9
RMS 153.4
wave n. 899
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

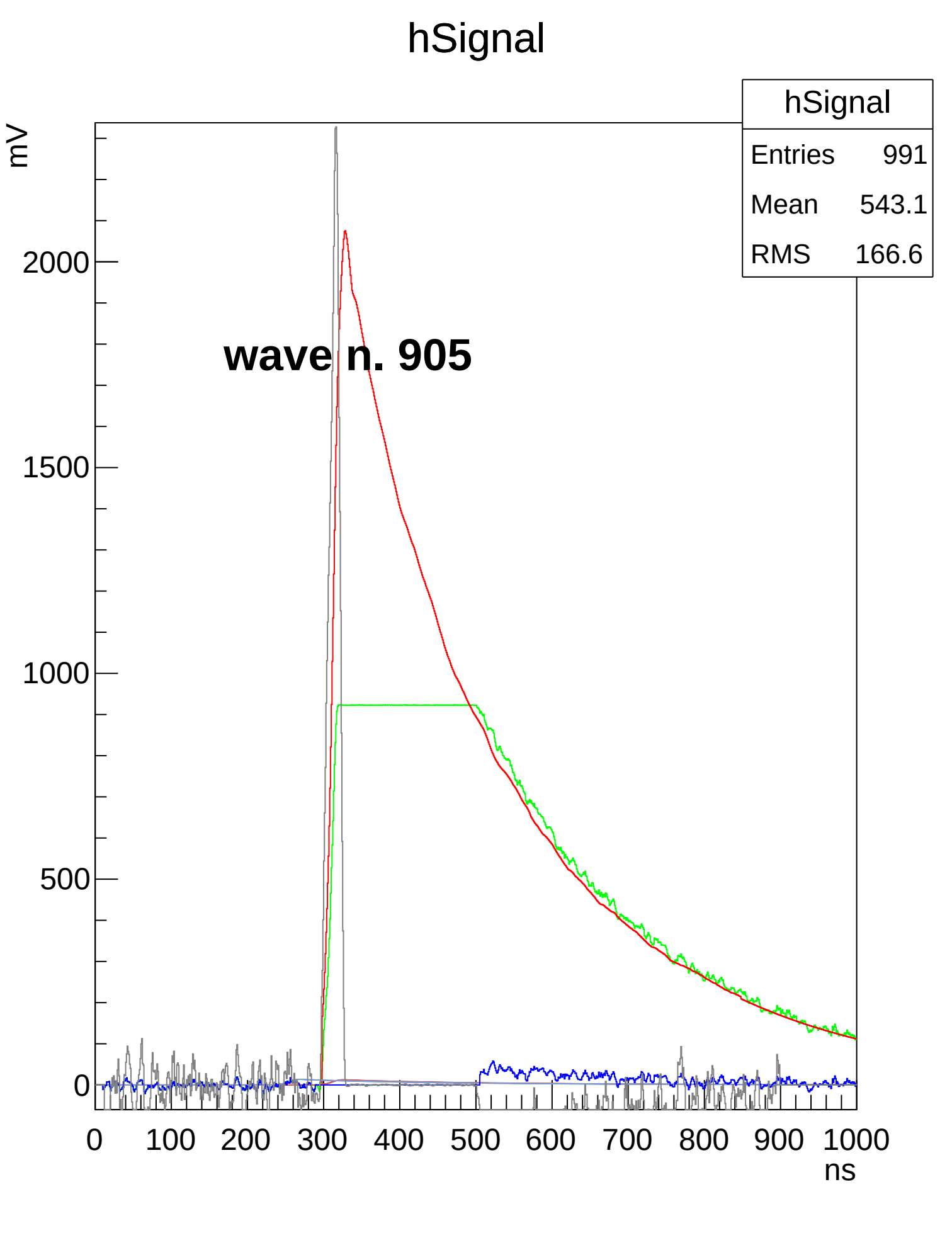

hSignal
hSignal
Entries 991
Mean 583.3
RMS 150.4
wave n. 900
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

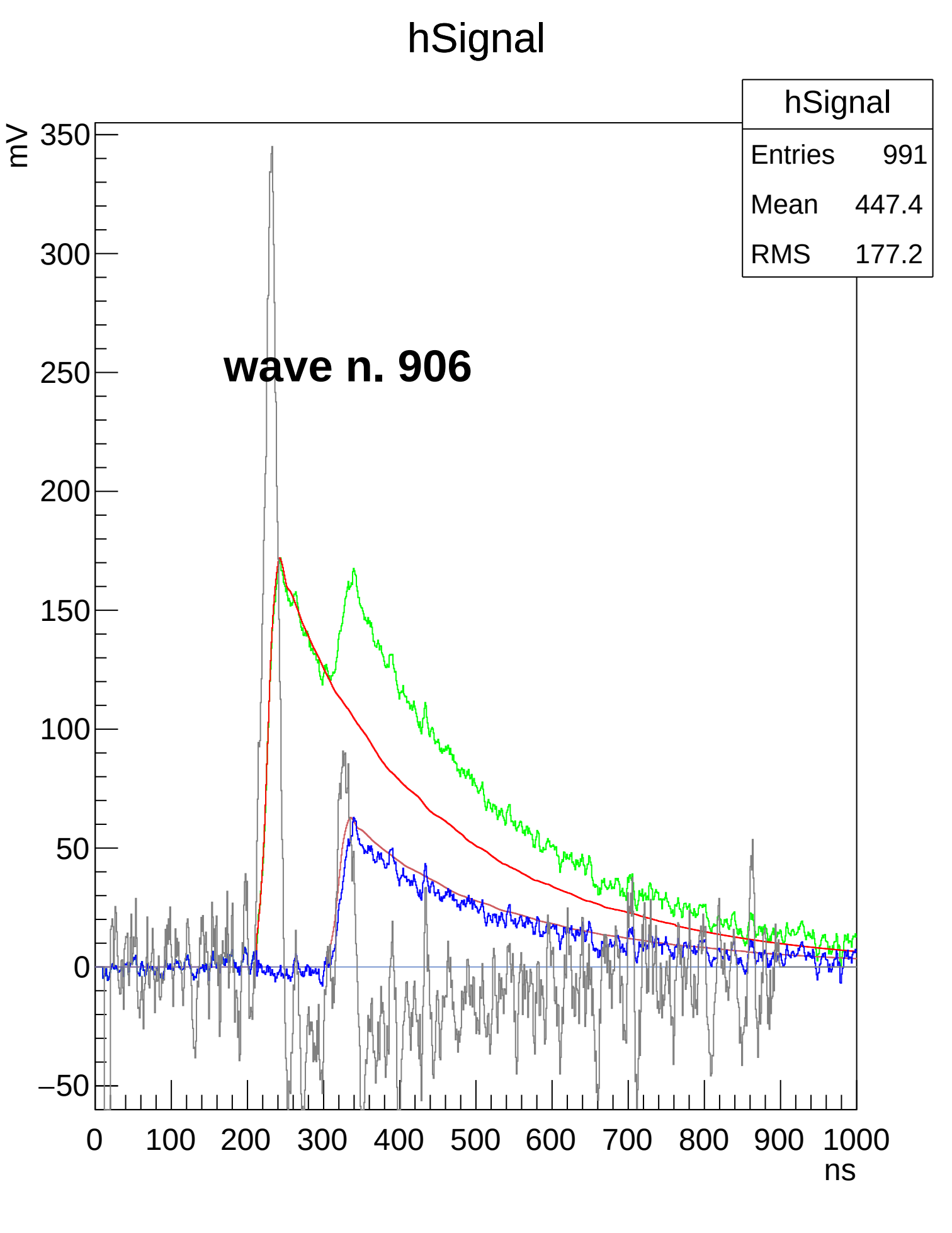

hSignal
hSignal
Entries 991
Mean 567.3
RMS 156.3
wave n. 901
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

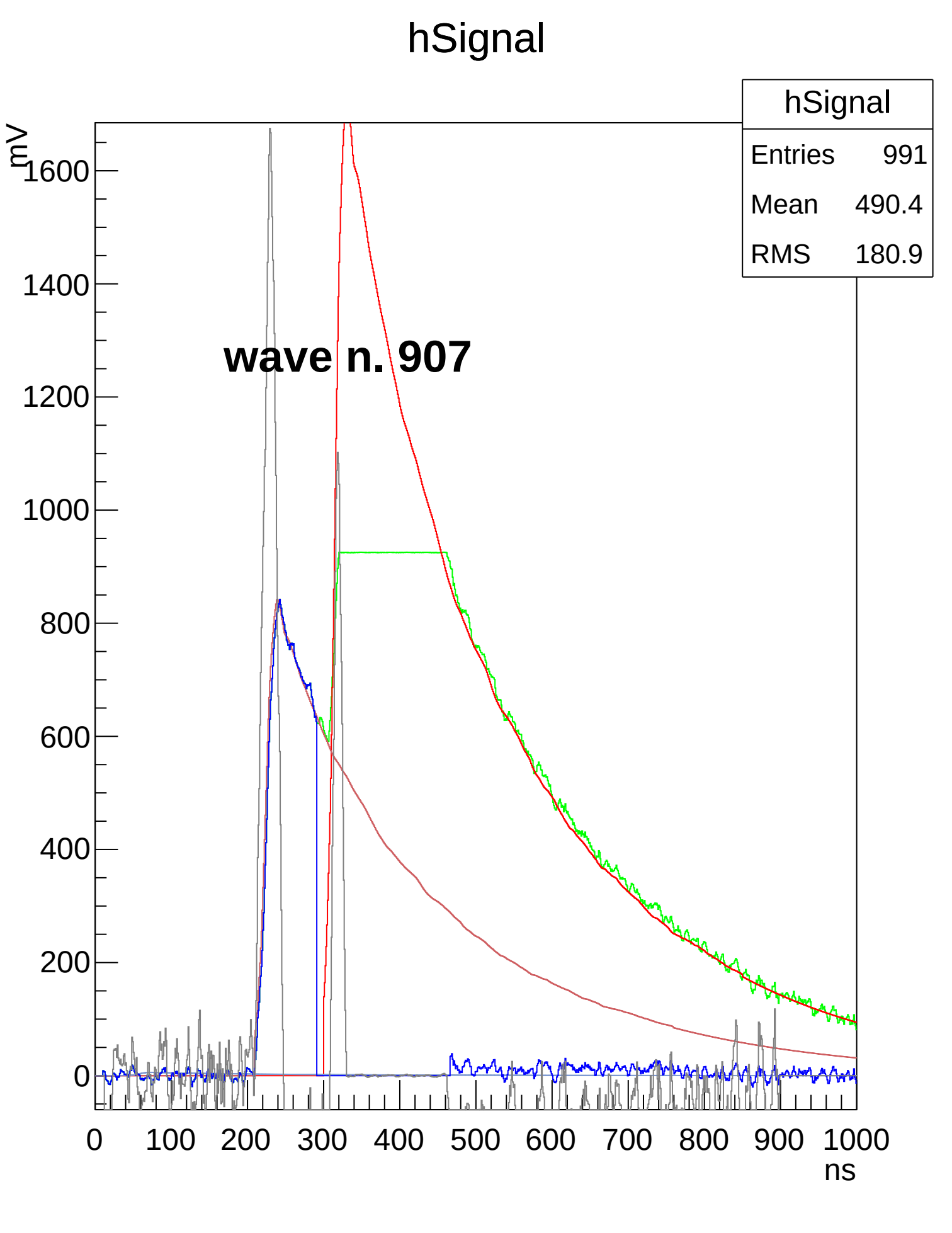

hSignal
hSignal
Entries 991
Mean 568.4
RMS 159.5
wave n. 902
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

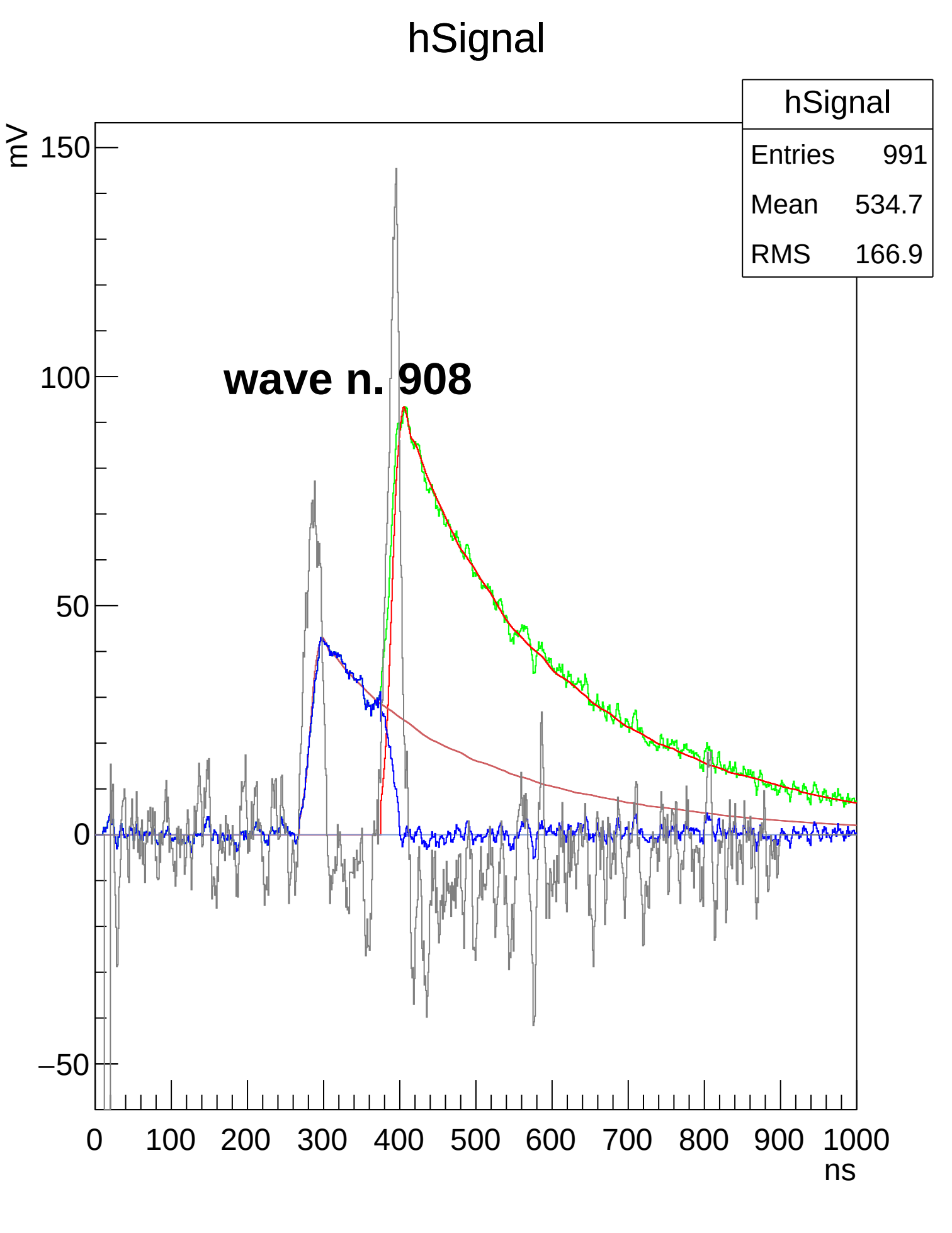

hSignal
hSignal
Entries 991
Mean 448.8
RMS 177.9
wave n. 903
mV
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

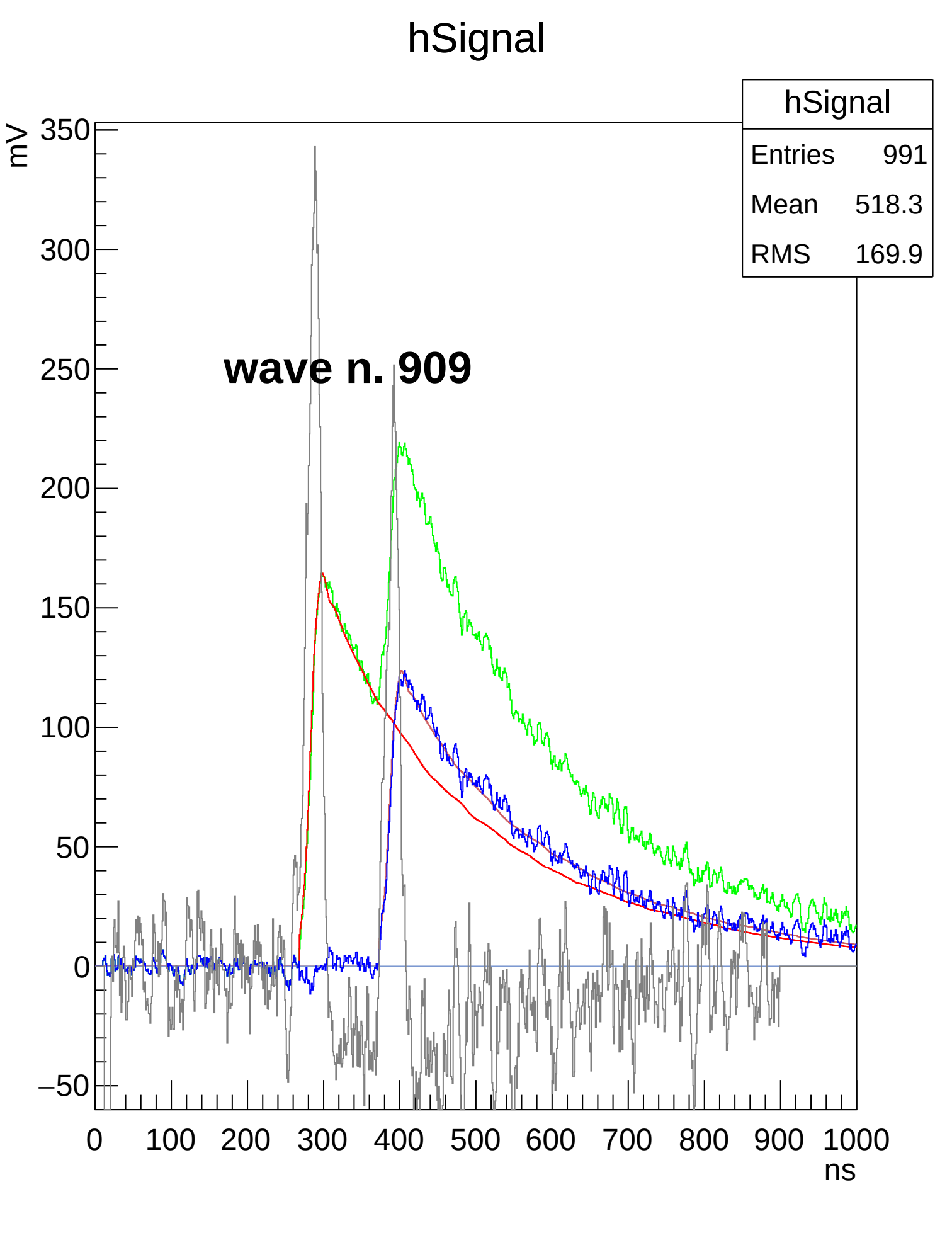

hSignal
hSignal
Entries 991
Mean 473.8
RMS 178.6
wave n. 904
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

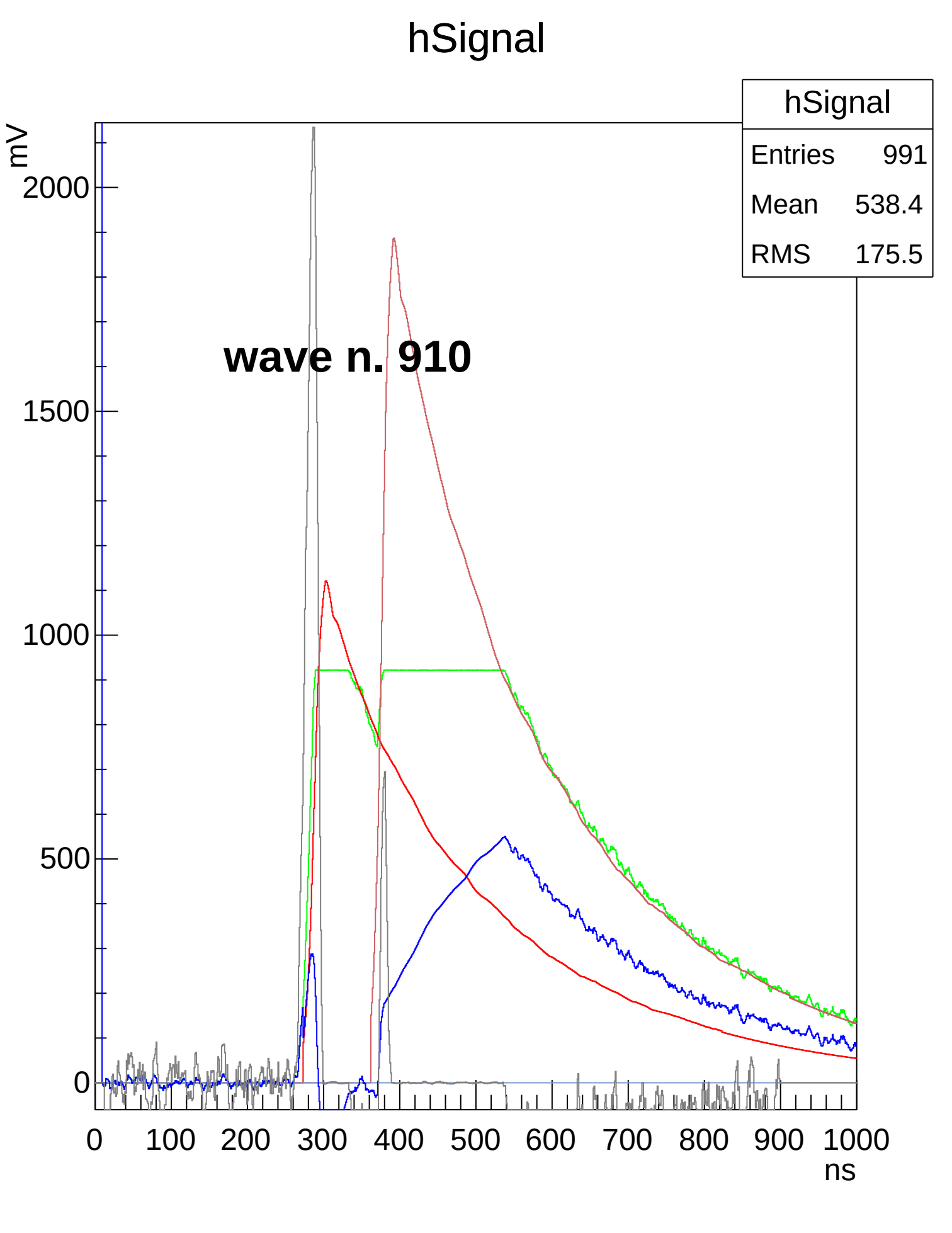

hSignal
hSignal
Entries 991
Mean 543.1
RMS 166.6
wave n. 905
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

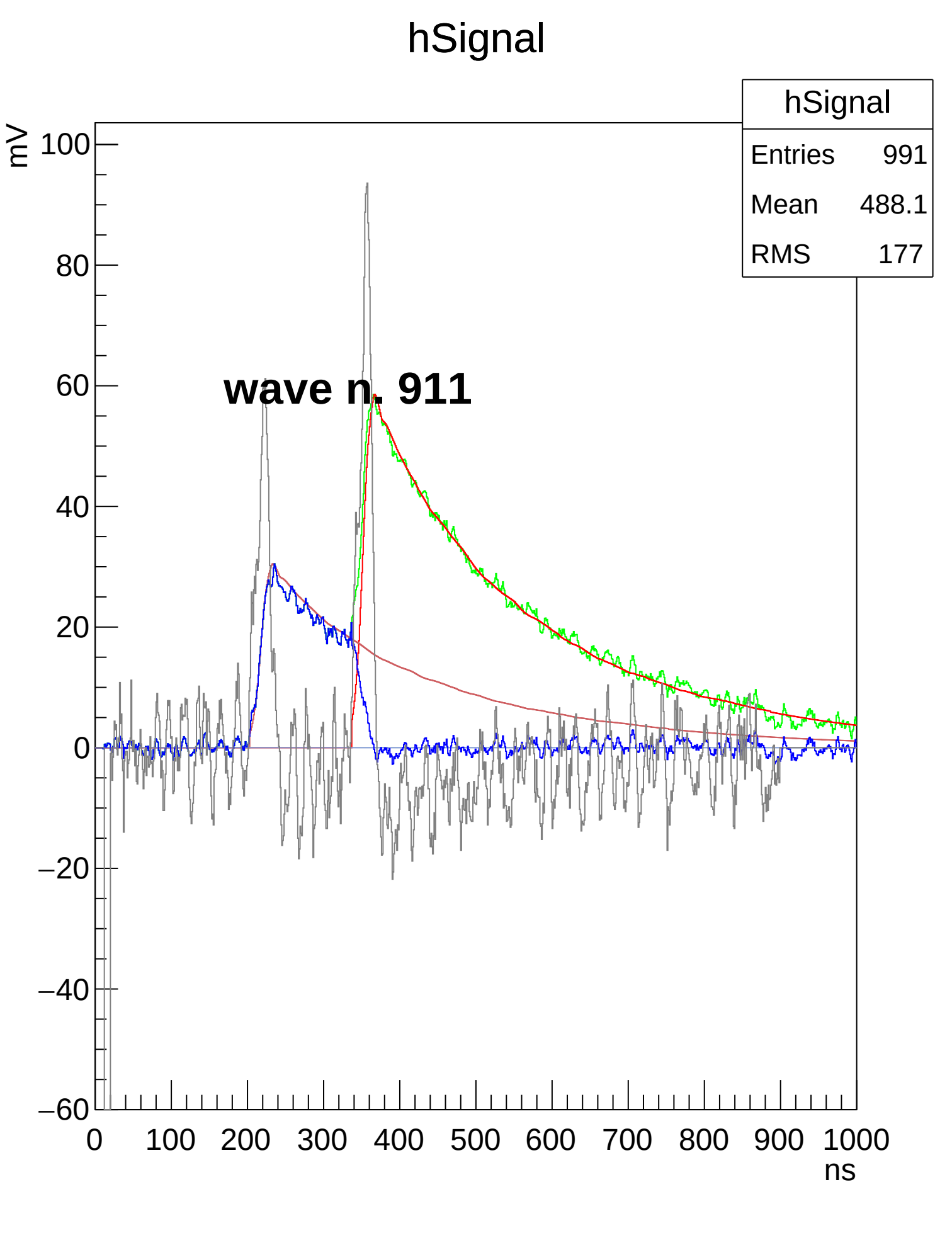

hSignal
hSignal
Entries 991
Mean 447.4
RMS 177.2
wave n. 906
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

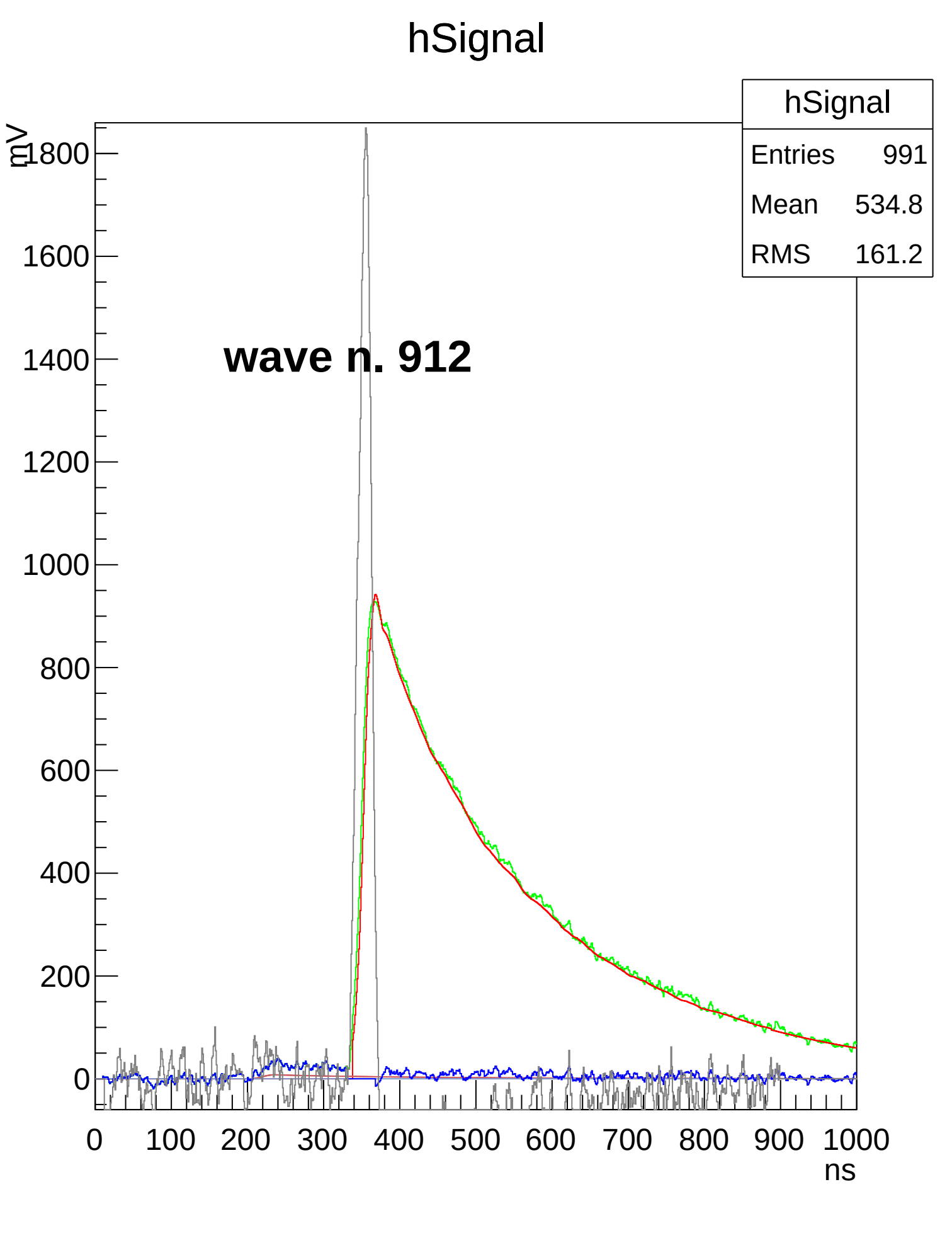

hSignal
hSignal
Entries 991
Mean 490.4
RMS 180.9
wave n. 907
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

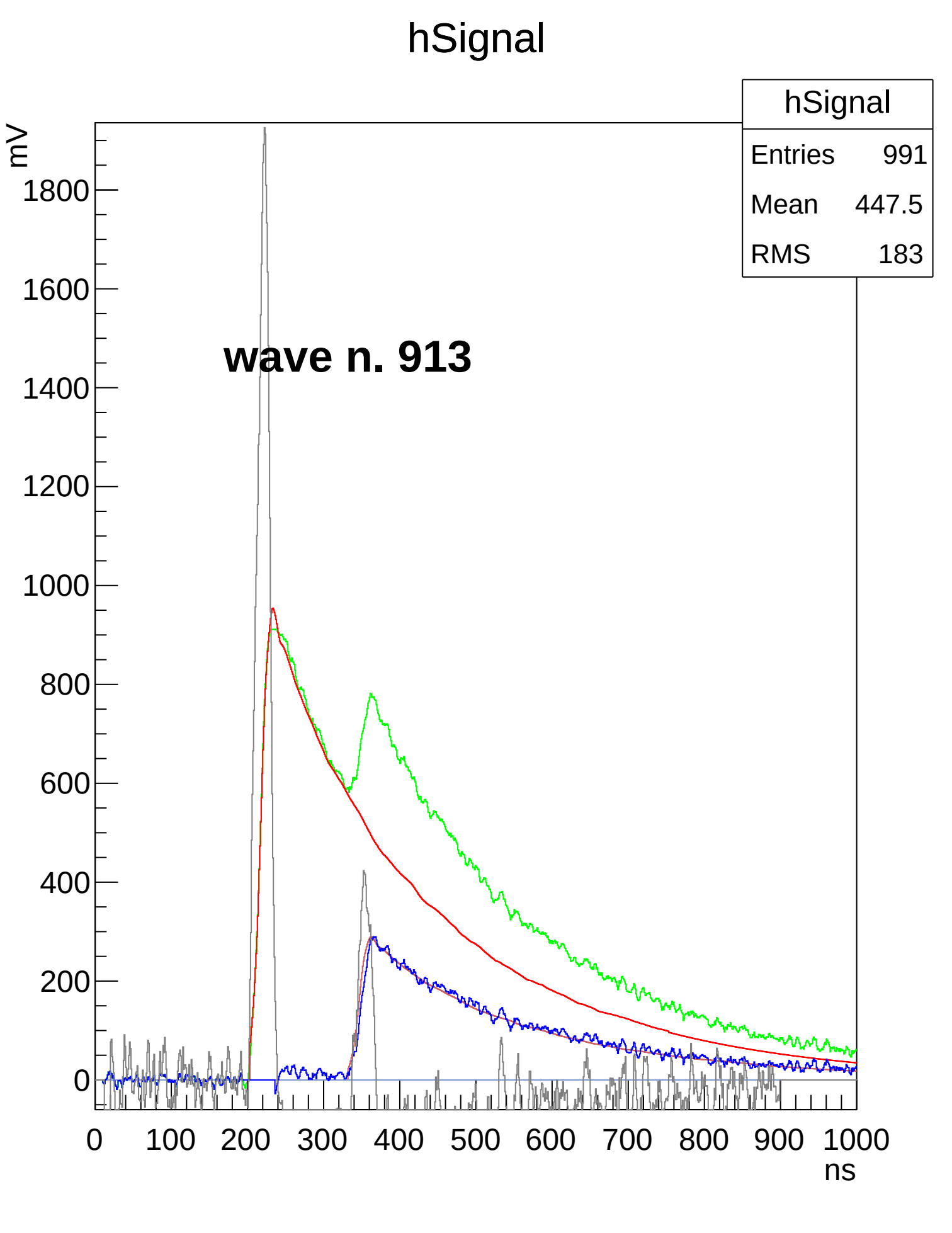

hSignal
hSignal
Entries 991
Mean 534.7
RMS 166.9
wave n. 908
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

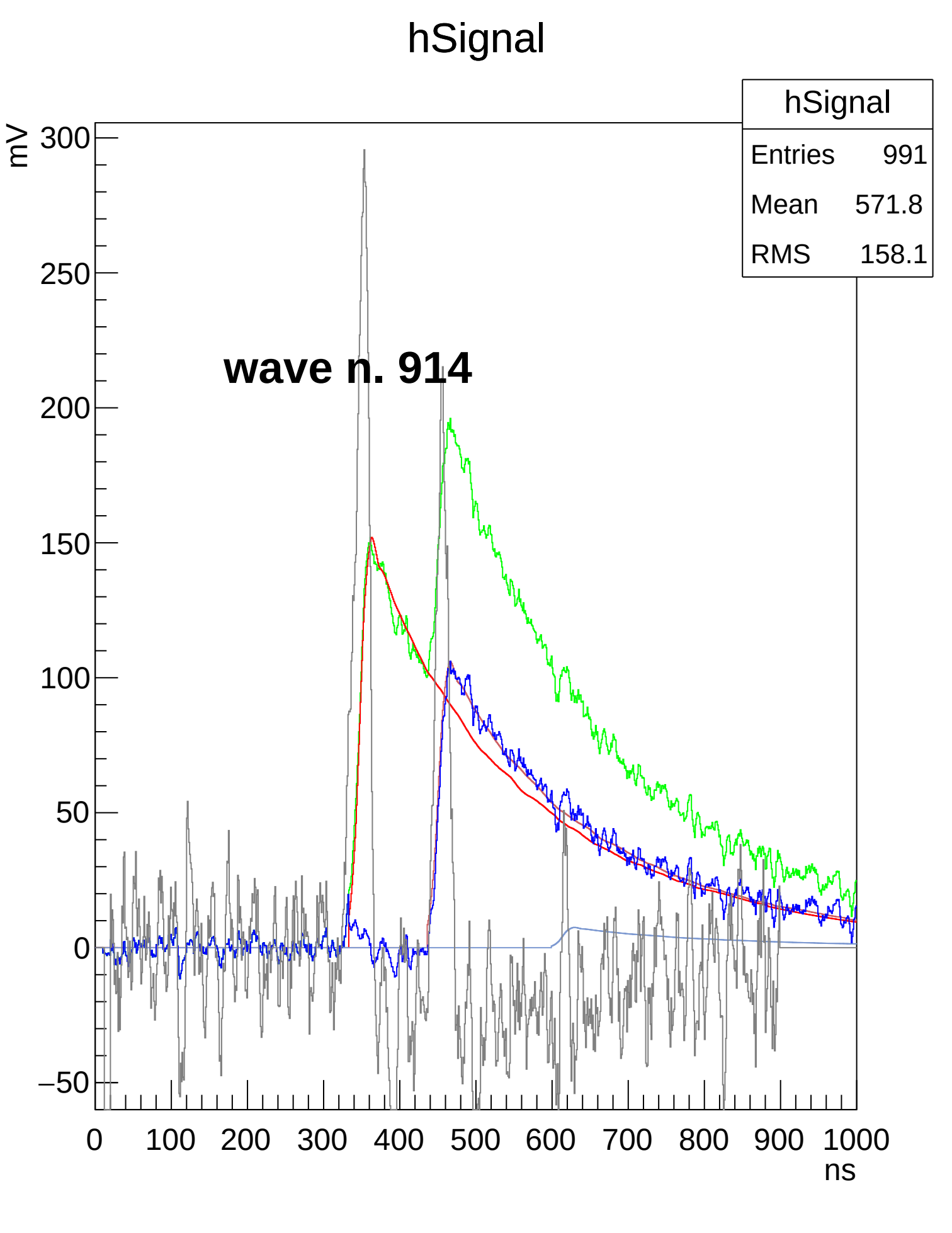

hSignal
hSignal
Entries 991
Mean 518.3
RMS 169.9
wave n. 909
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

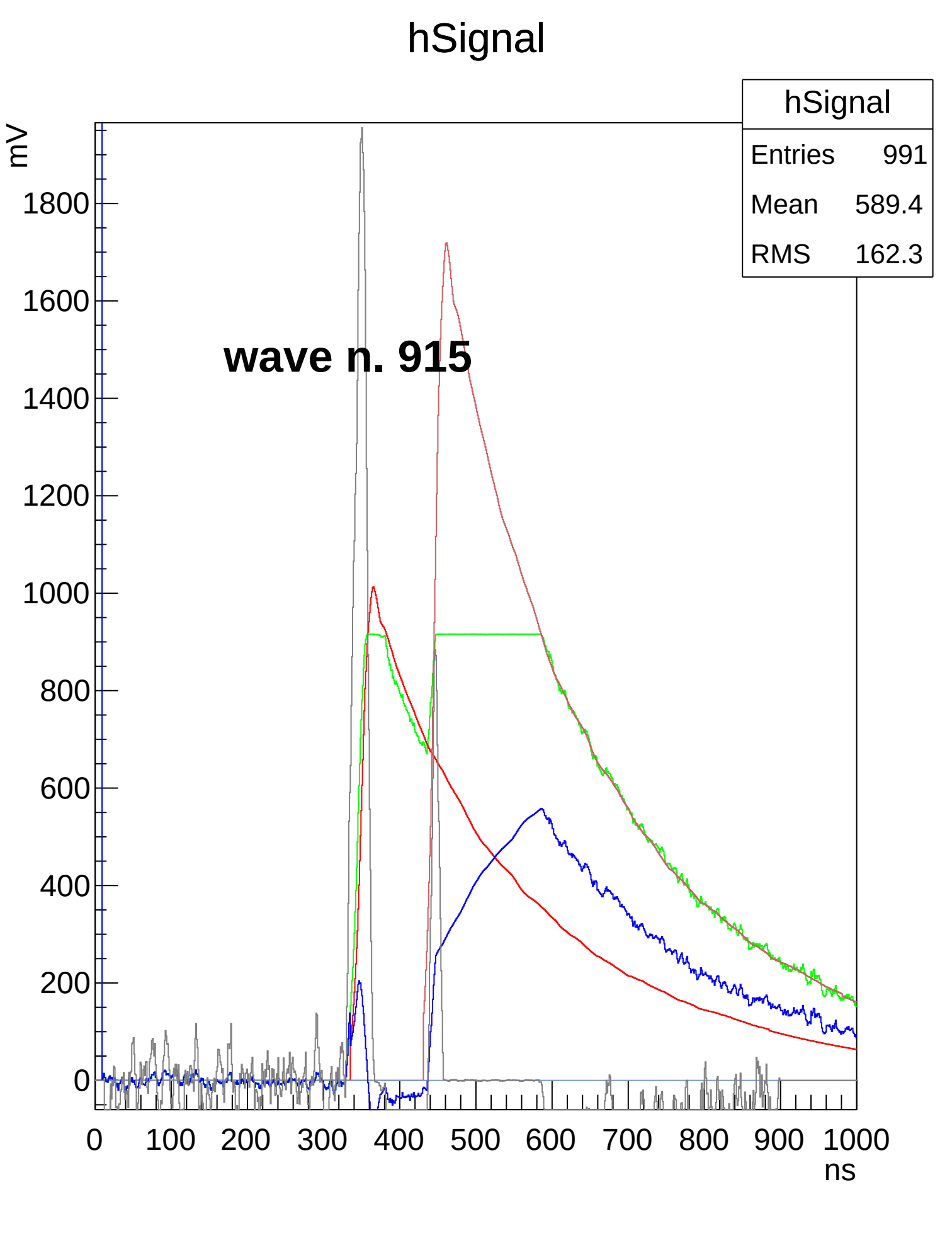

hSignal
hSignal
Entries 991
Mean 538.4
RMS 175.5
wave n. 910
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

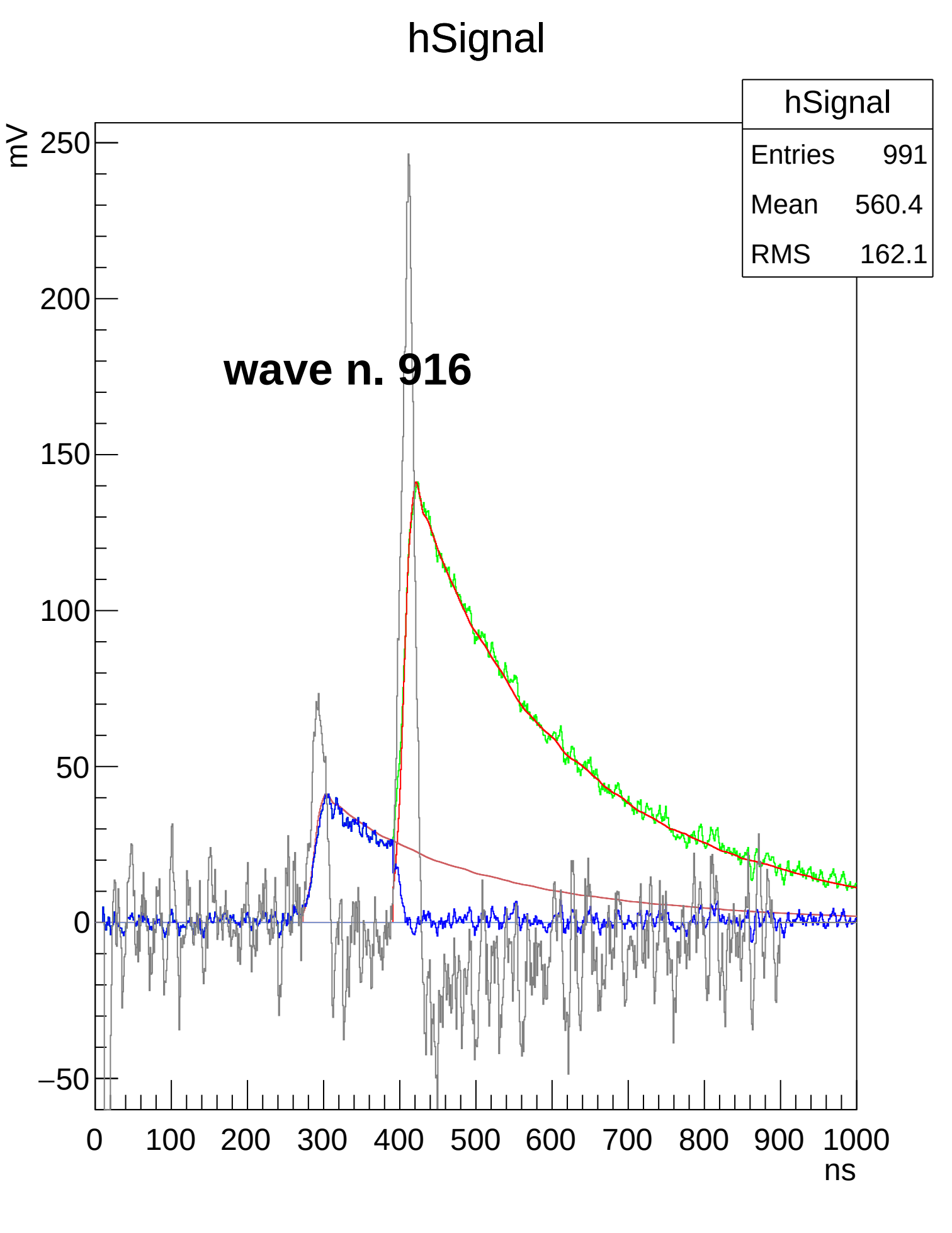

hSignal
hSignal
Entries 991
Mean 488.1
RMS 177
wave n. 911
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

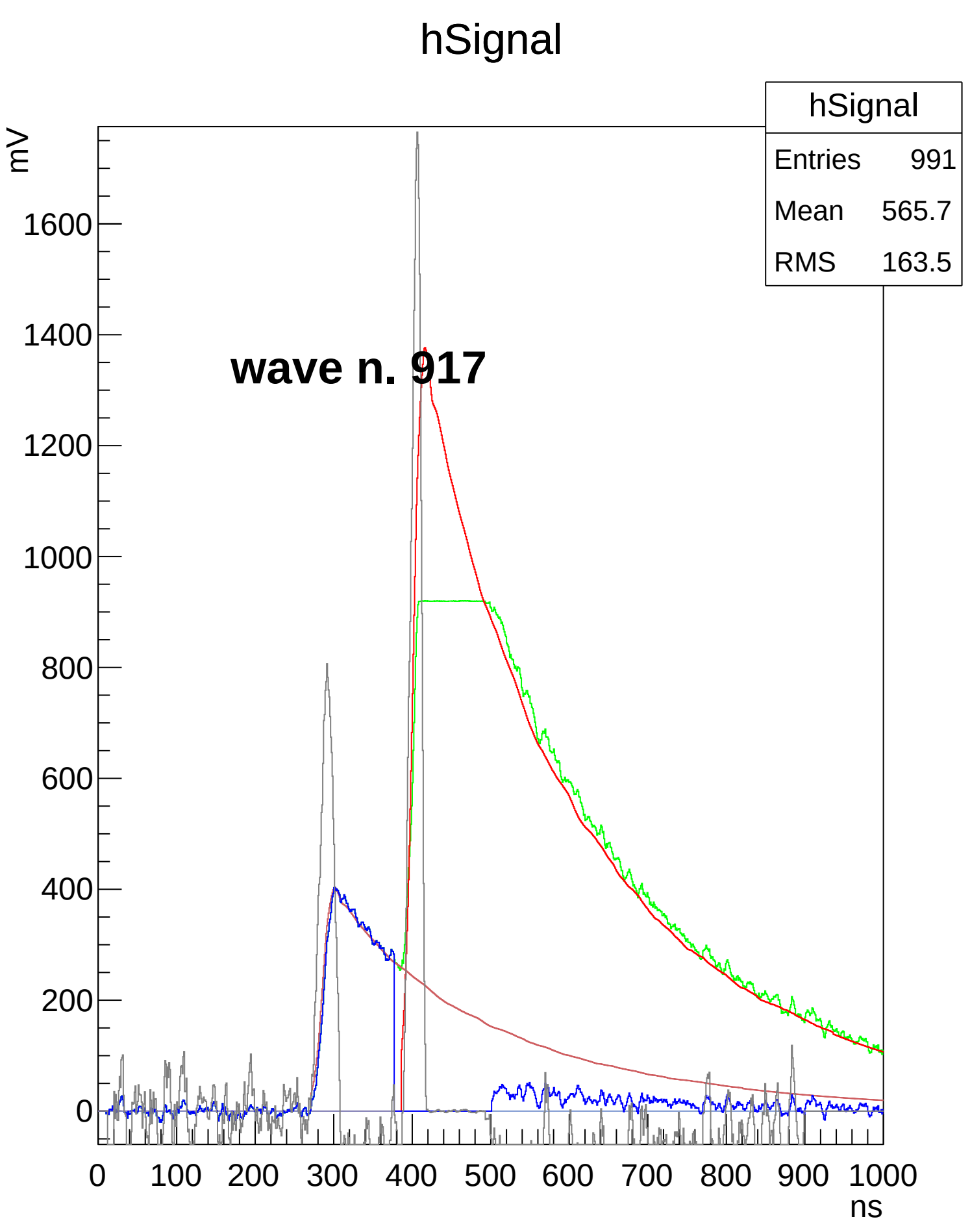

hSignal
hSignal
Entries 991
Mean 534.8
RMS 161.2
wave n. 912
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

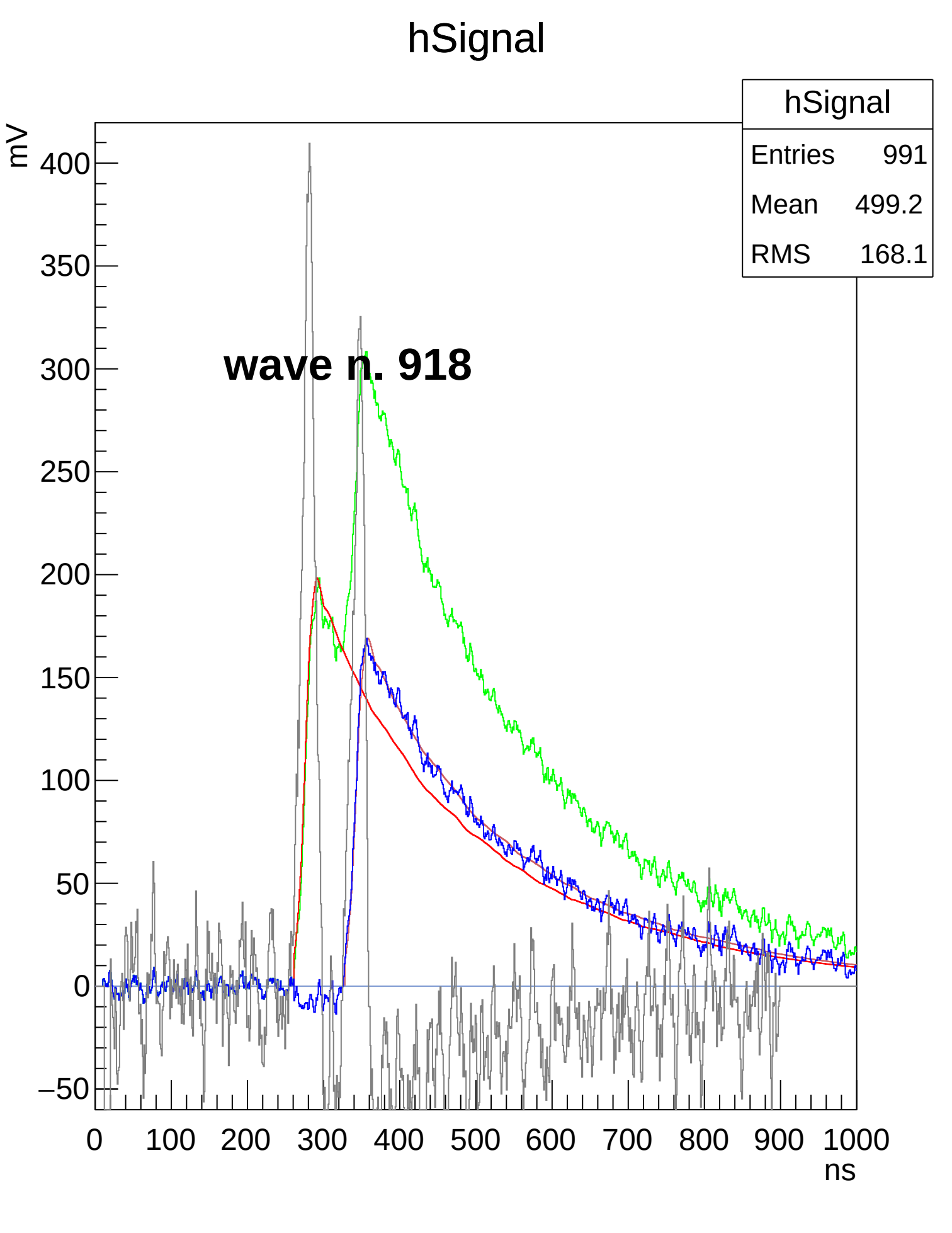

hSignal
hSignal
Entries 991
Mean 447.5
RMS 183
wave n. 913
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

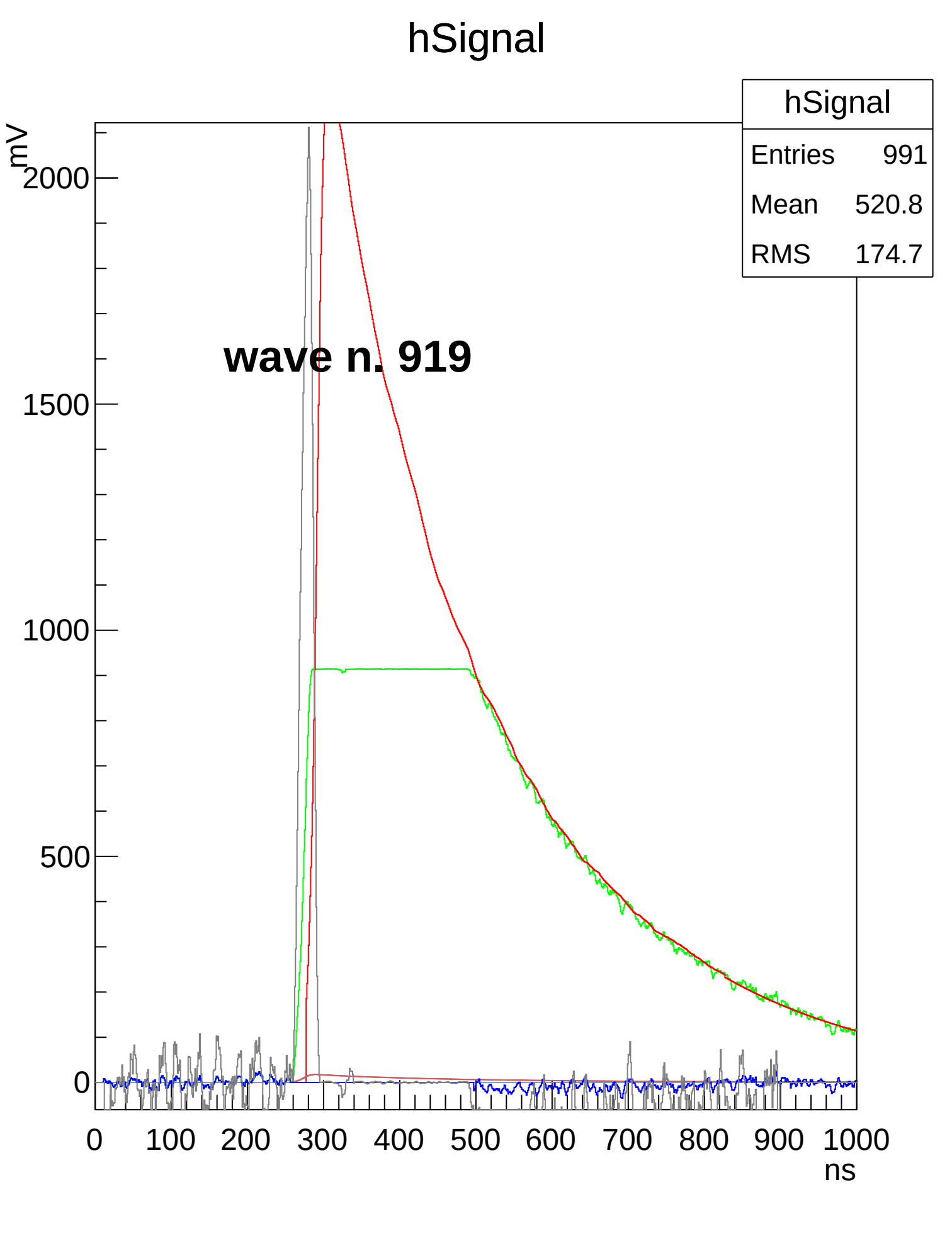

hSignal
hSignal
Entries 991
Mean 571.8
RMS 158.1
wave n. 914
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

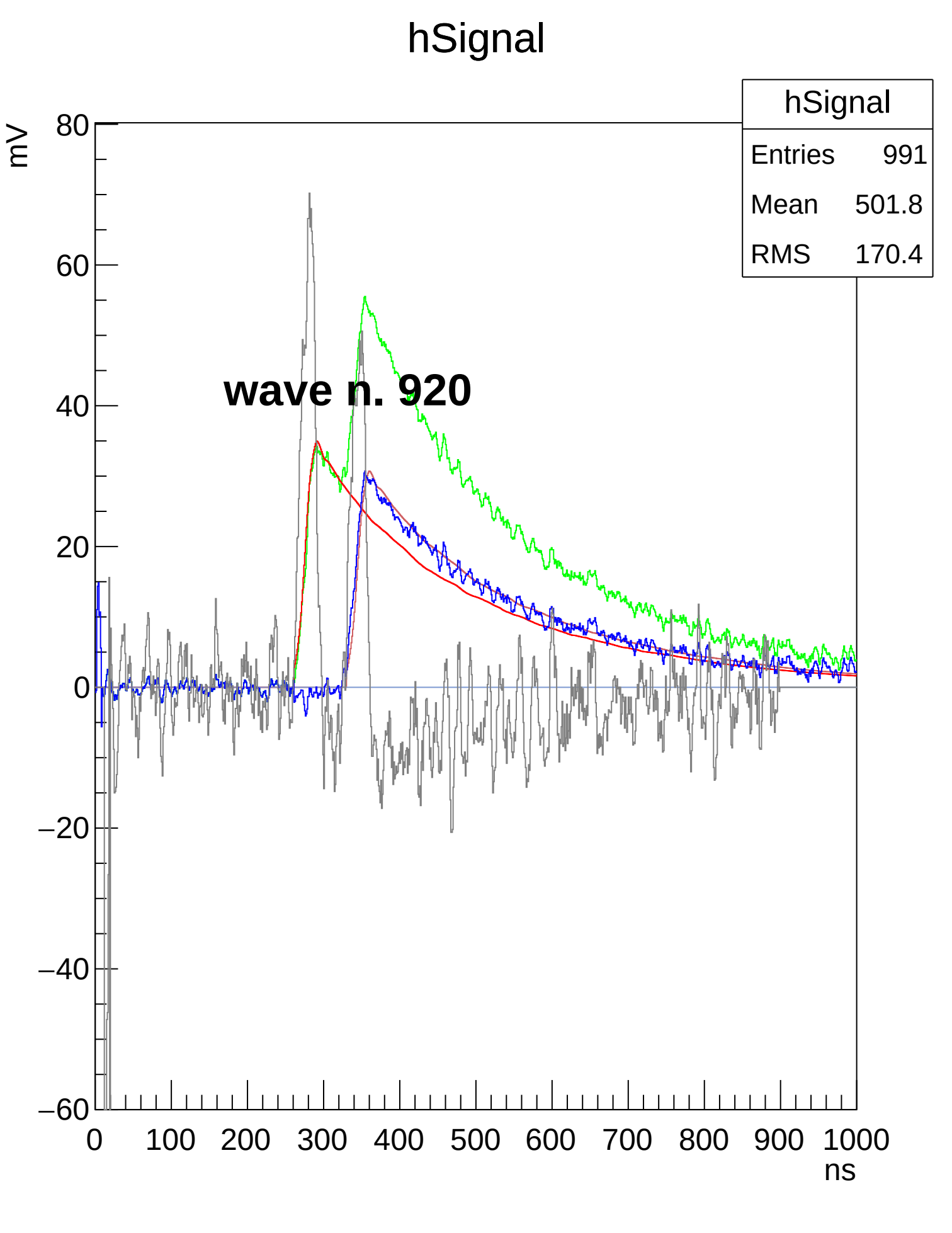

hSignal
hSignal
Entries 991
Mean 589.4
RMS 162.3
wave n. 915
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

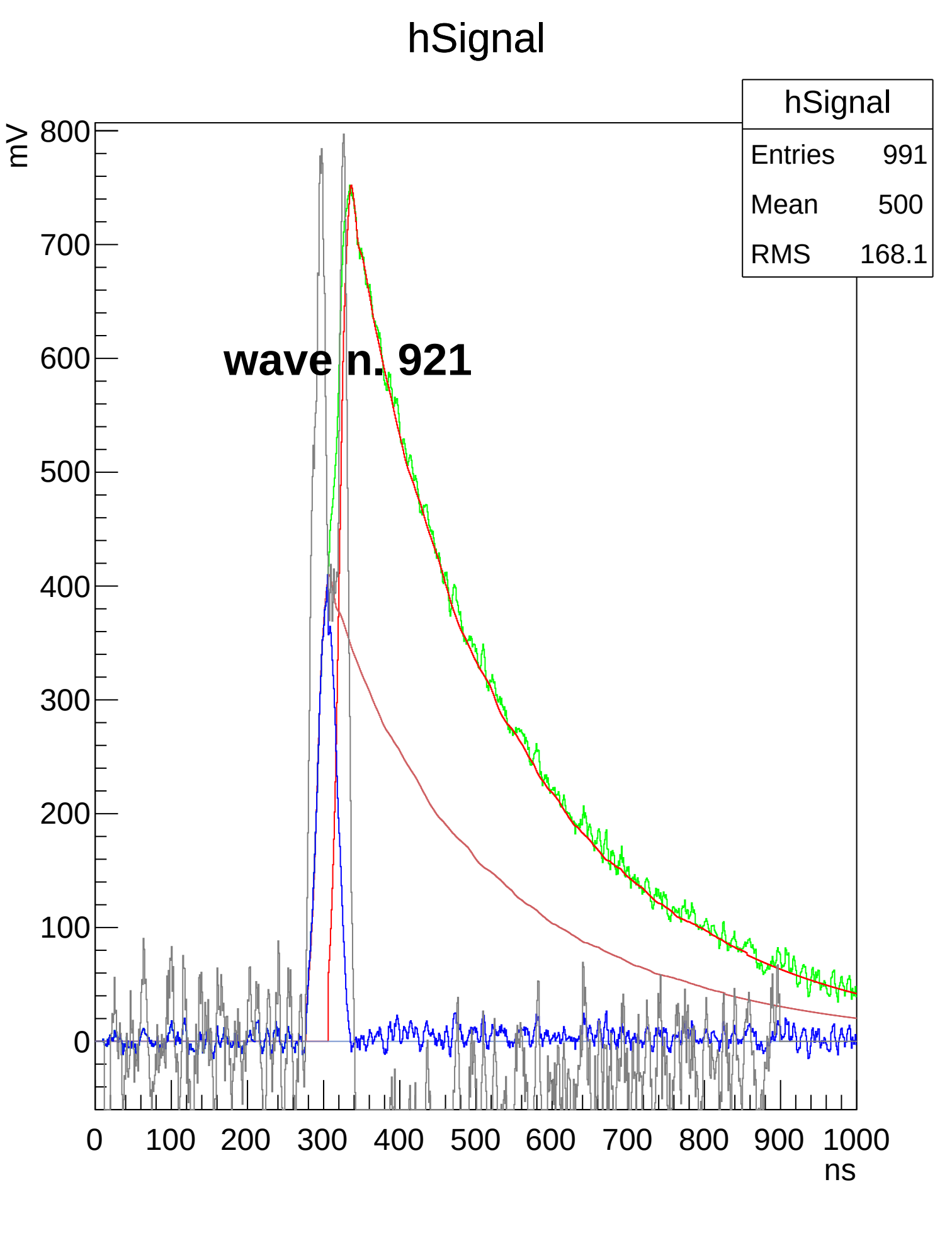

hSignal
hSignal
Entries 991
Mean 560.4
RMS 162.1
wave n. 916
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

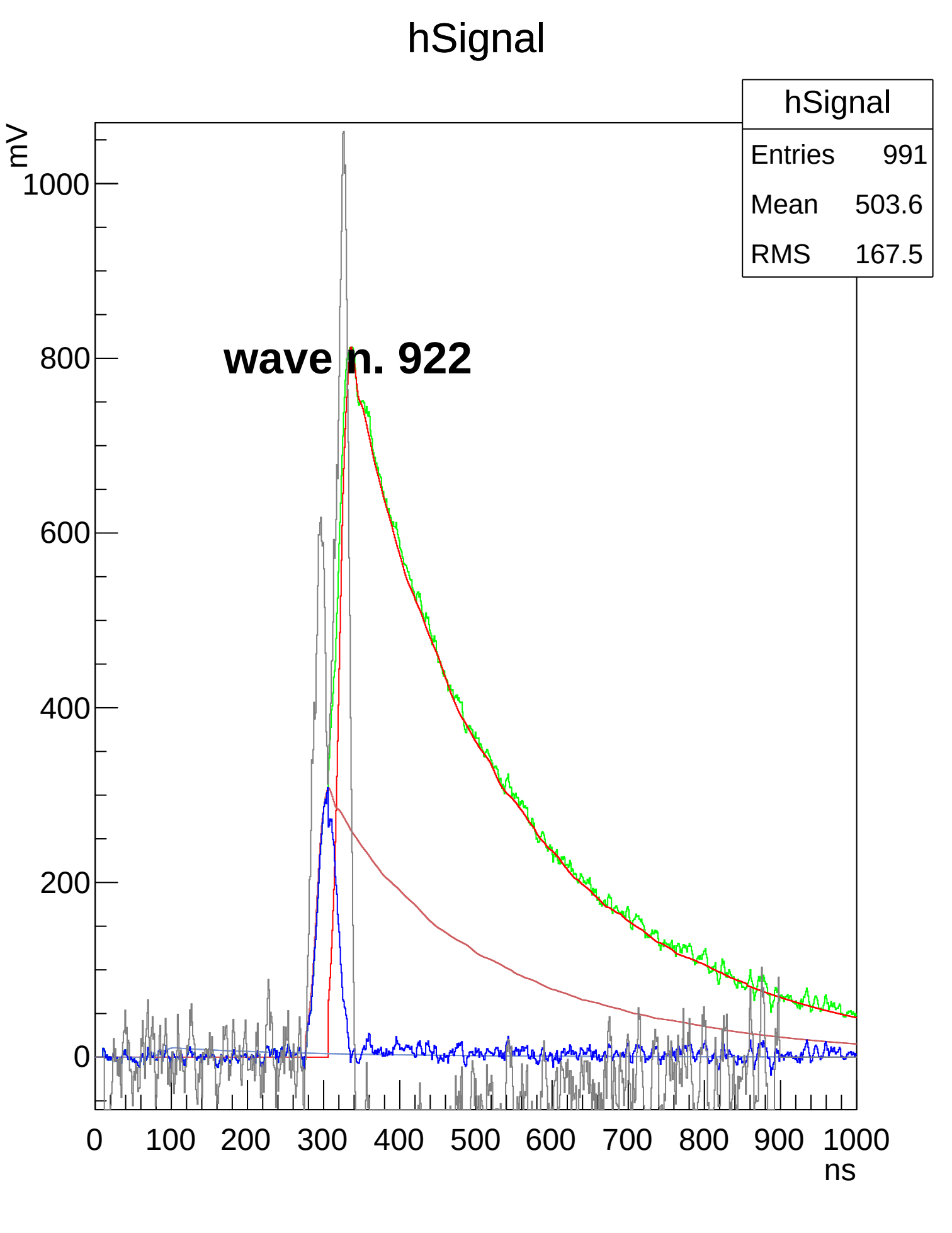

hSignal
hSignal
Entries 991
Mean 565.7
RMS 163.5
wave n. 917
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

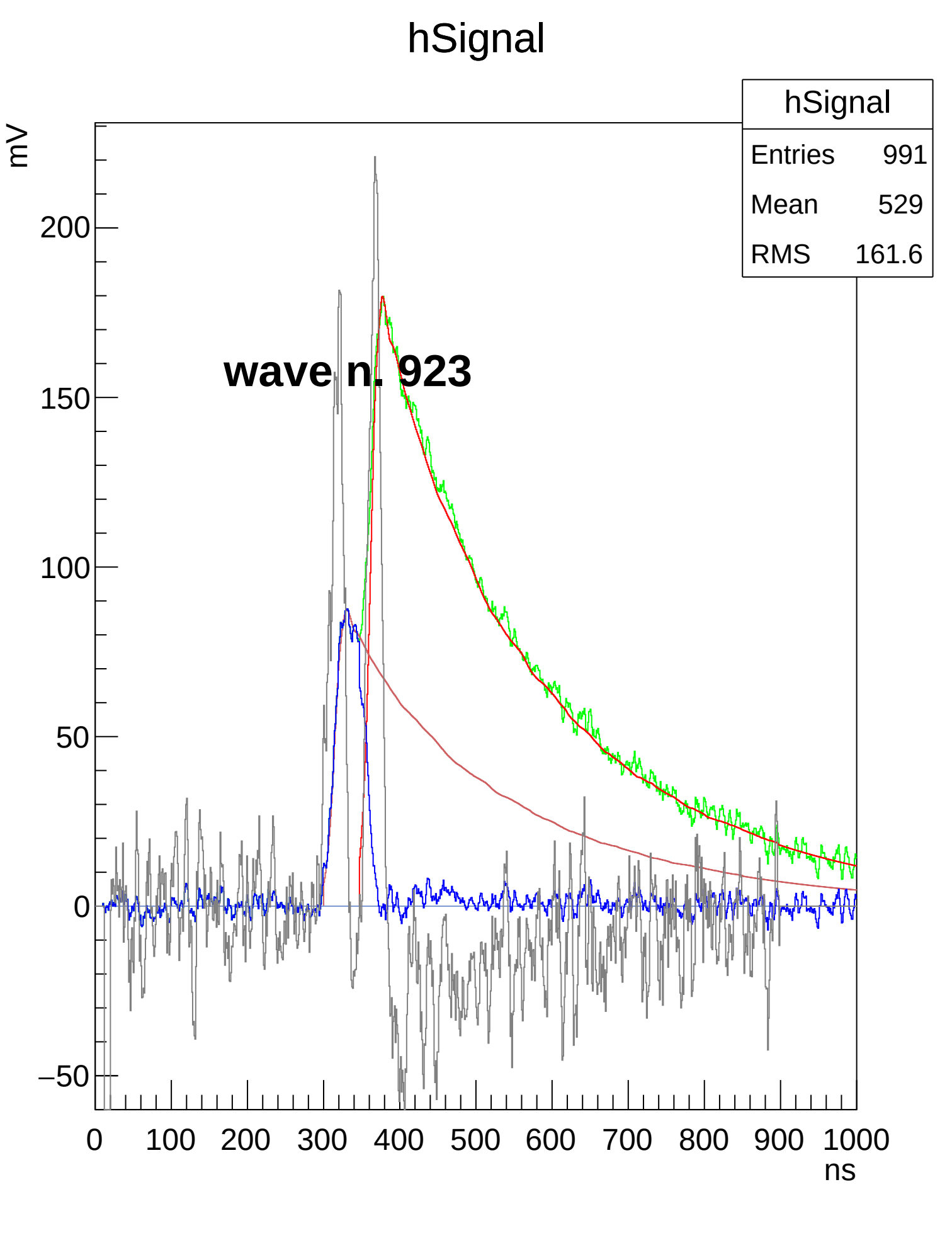

hSignal
hSignal
Entries 991
Mean 499.2
RMS 168.1
wave n. 918
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

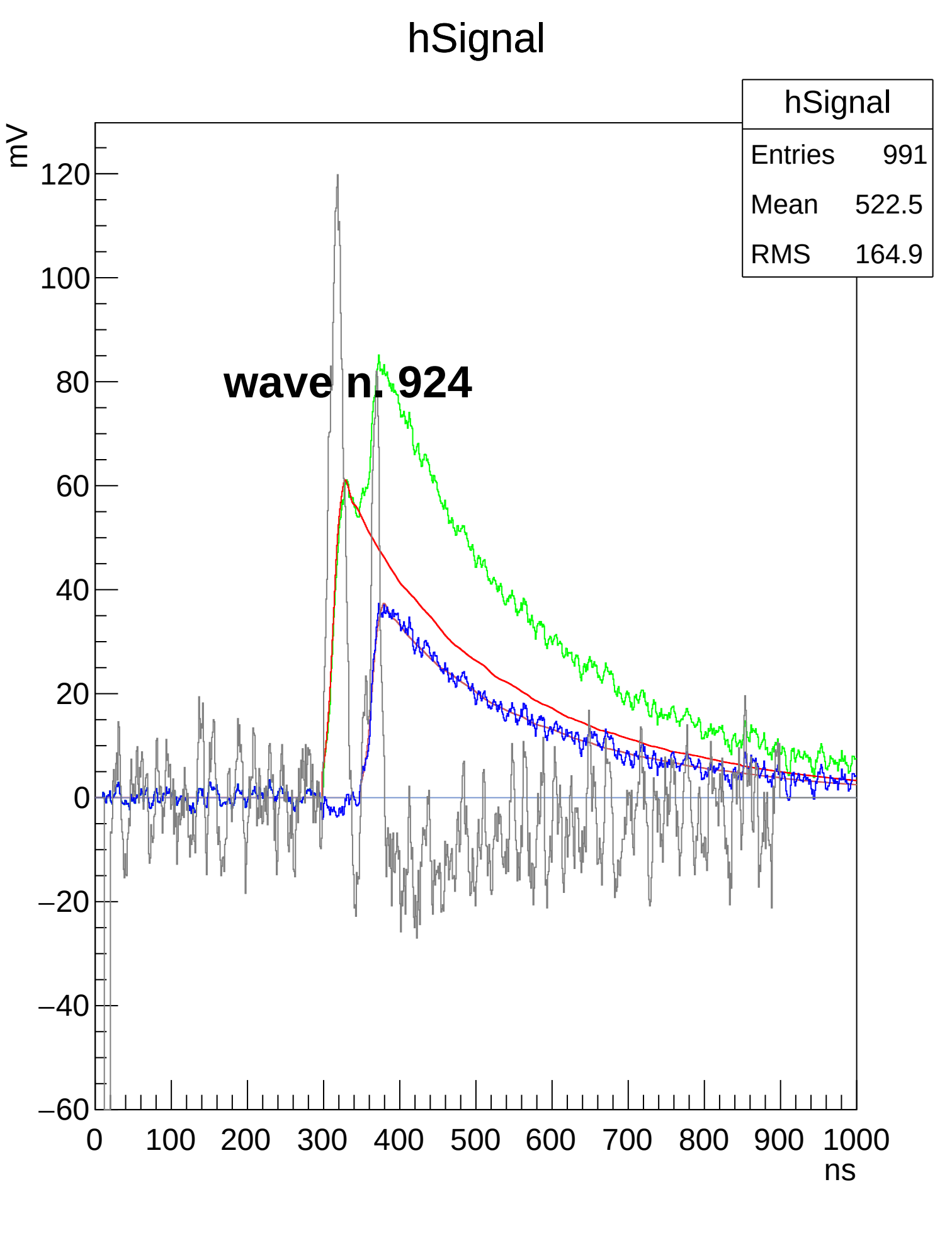

hSignal
hSignal
Entries 991
Mean 520.8
RMS 174.7
wave n. 919
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

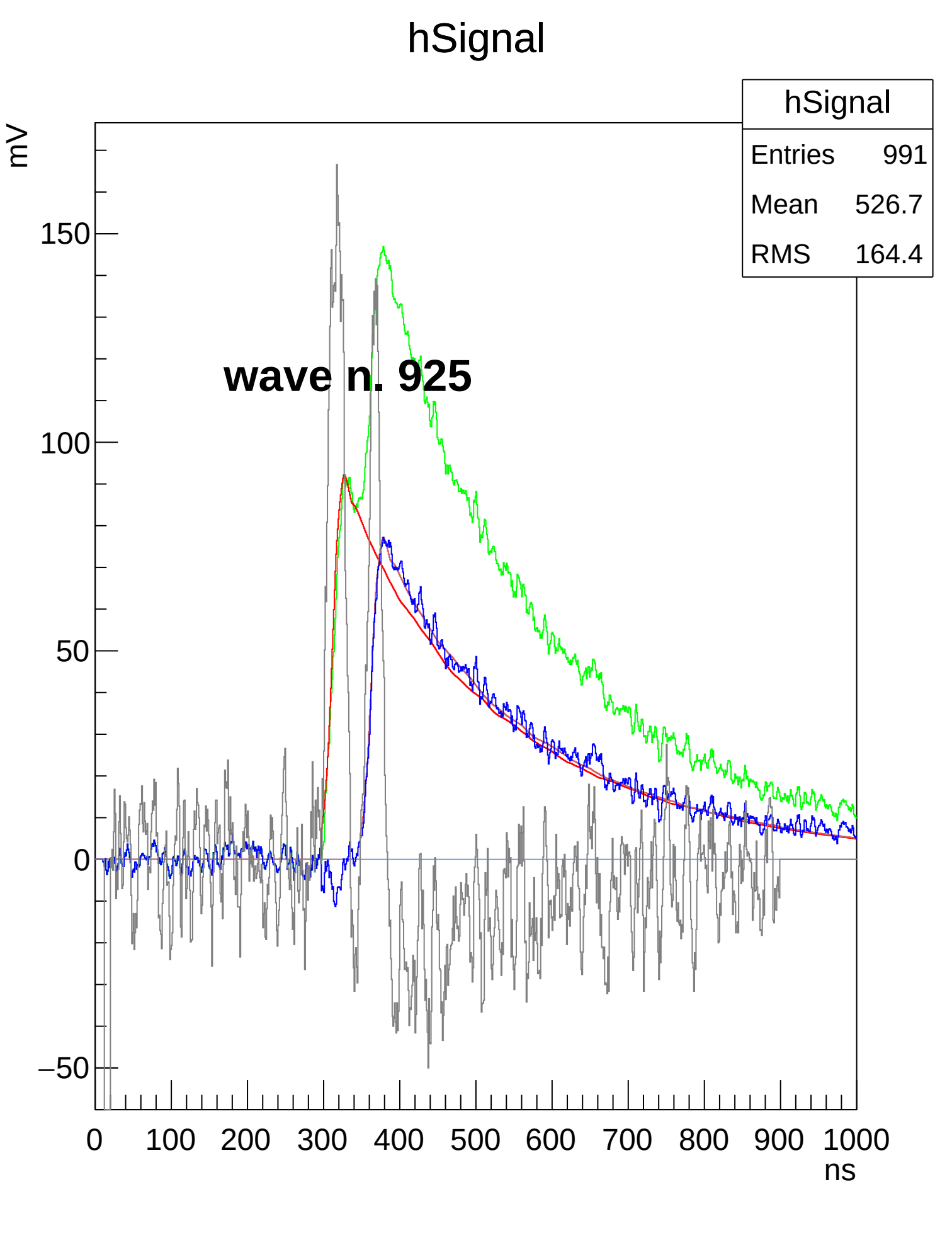

hSignal
hSignal
Entries 991
Mean 501.8
RMS 170.4
wave n. 920
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

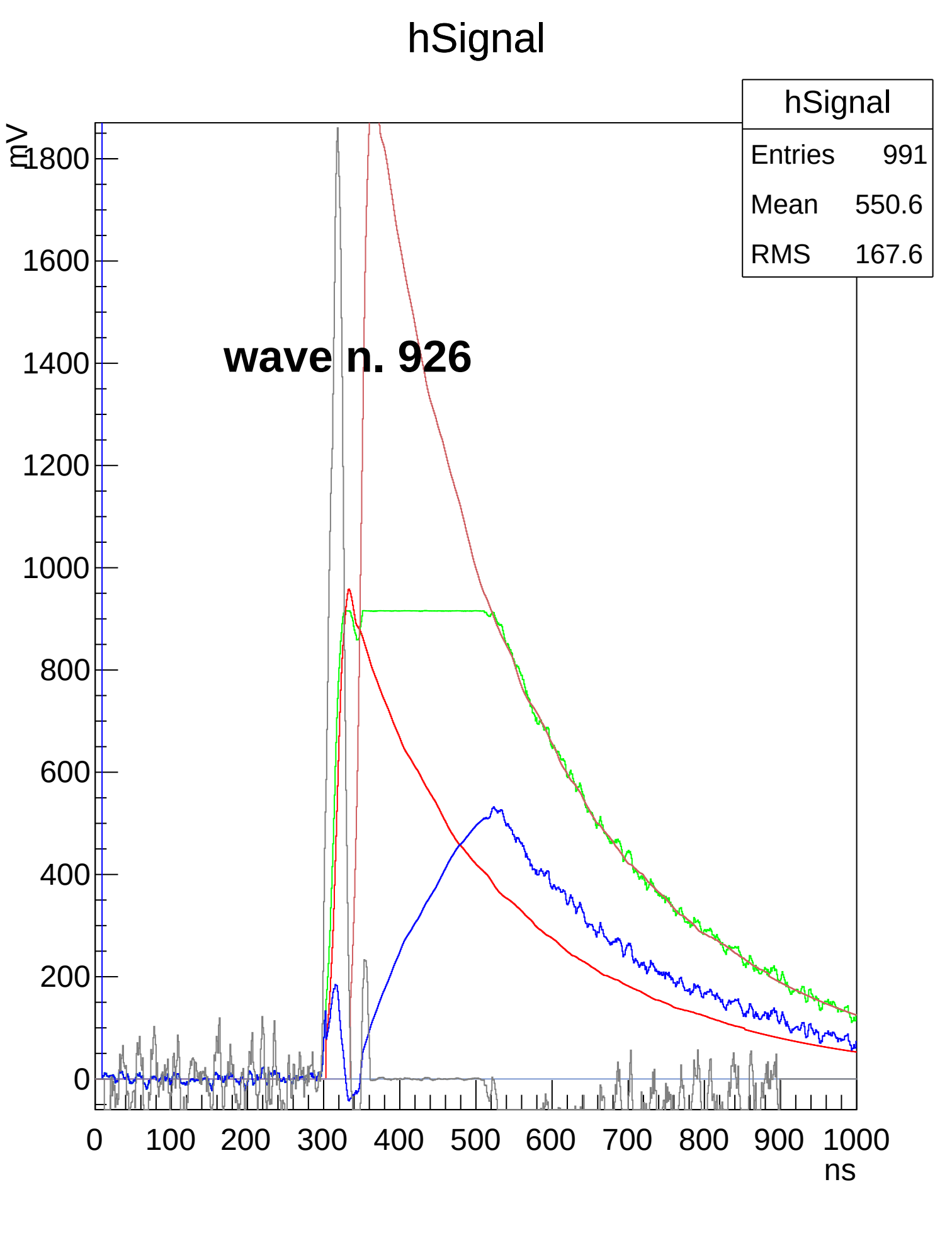

hSignal
hSignal
Entries 991
Mean 500
RMS 168.1
wave n. 921
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

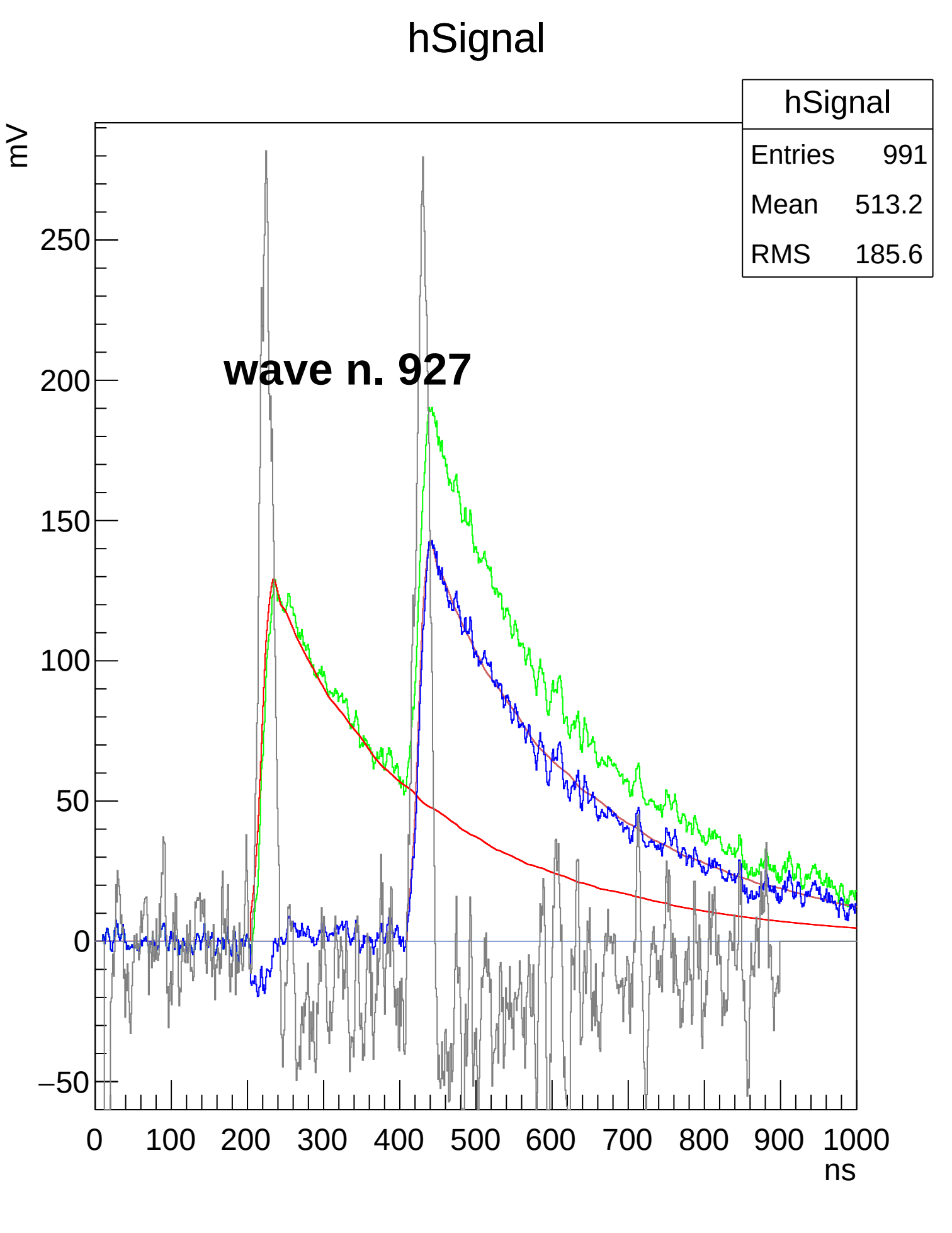

hSignal
hSignal
Entries 991
Mean 503.6
RMS 167.5
wave n. 922
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

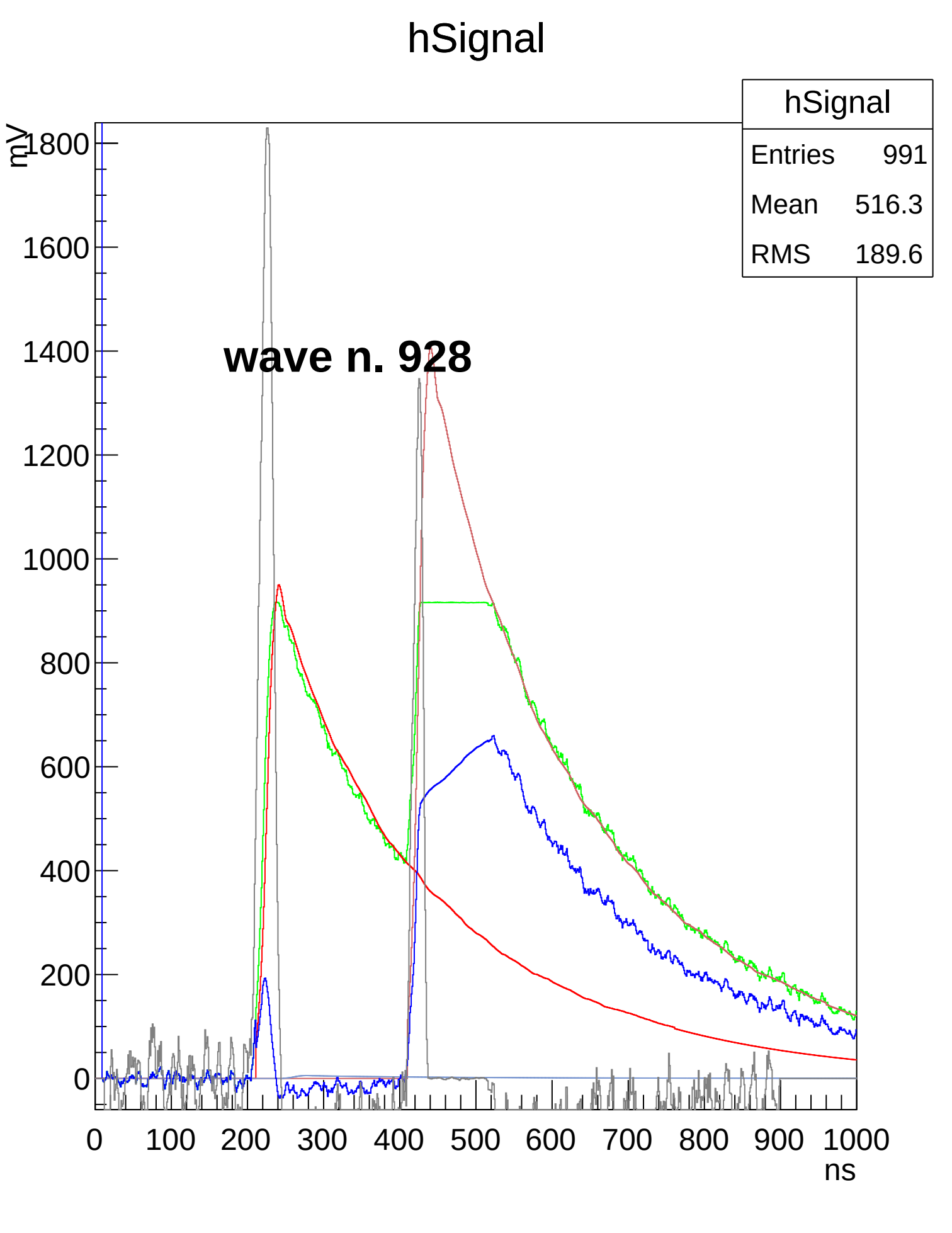

hSignal
hSignal
Entries 991
Mean 529
RMS 161.6
wave n. 923
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

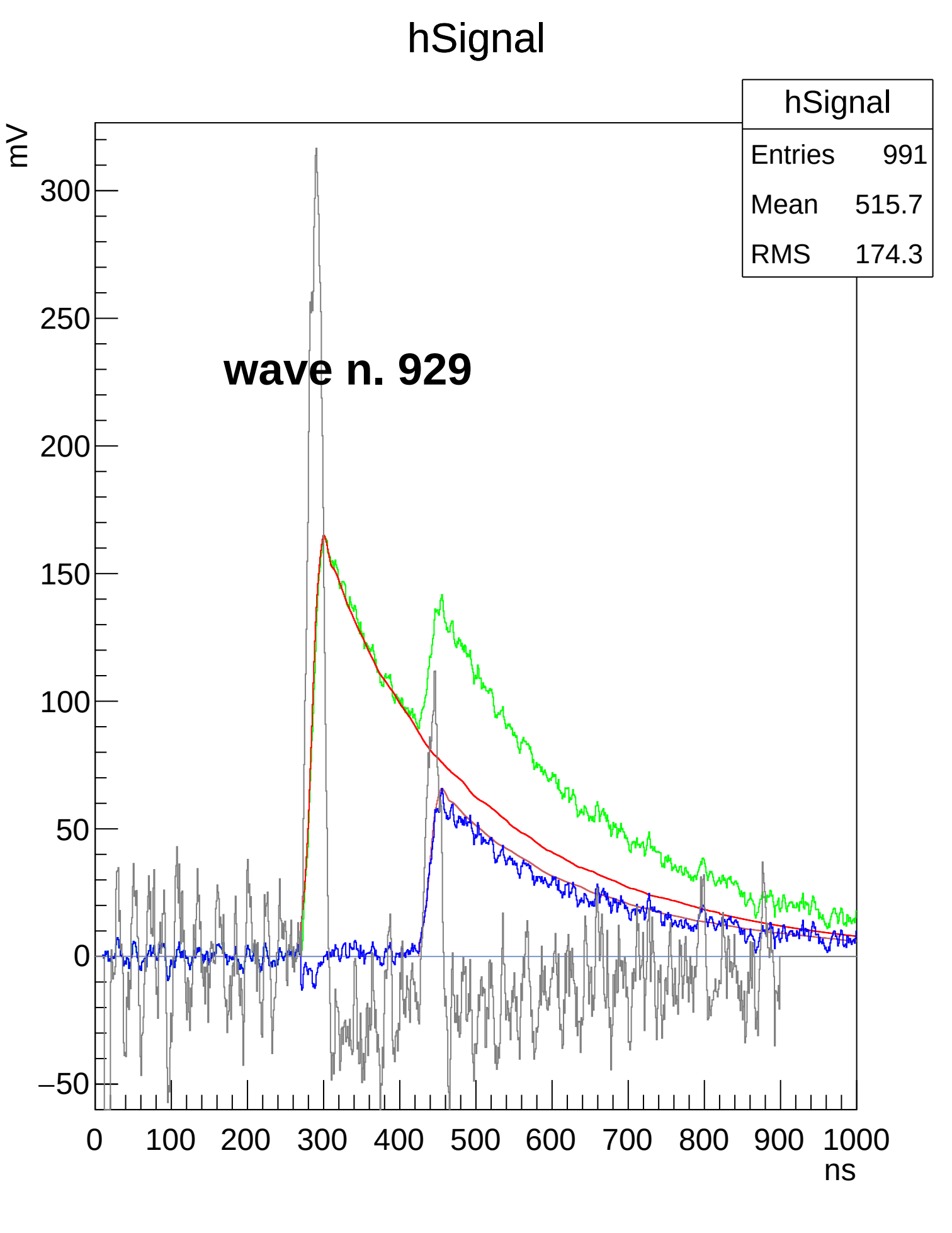

hSignal
hSignal
Entries 991
Mean 522.5
RMS 164.9
wave n. 924
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

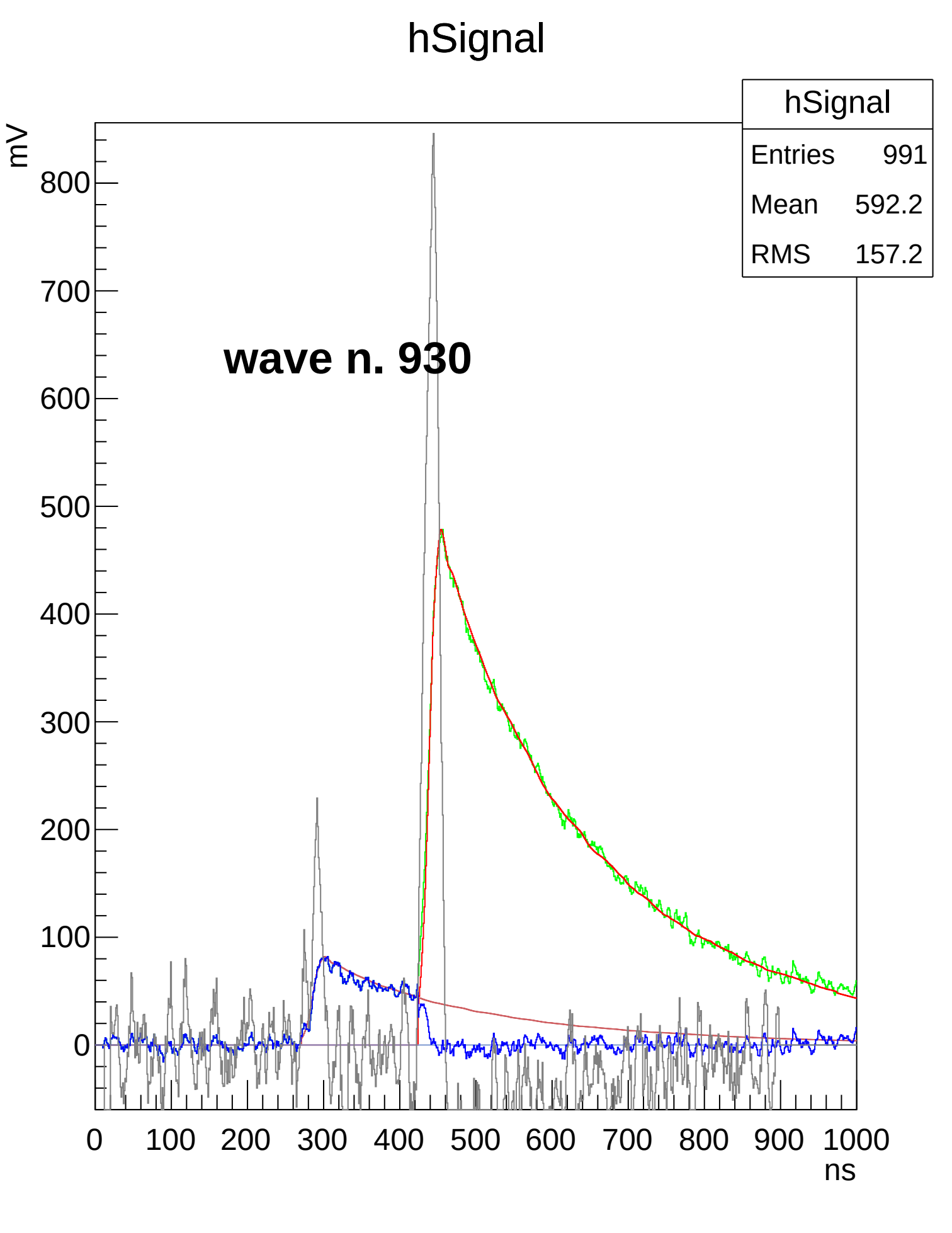

hSignal
hSignal
Entries 991
Mean 526.7
RMS 164.4
wave n. 925
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

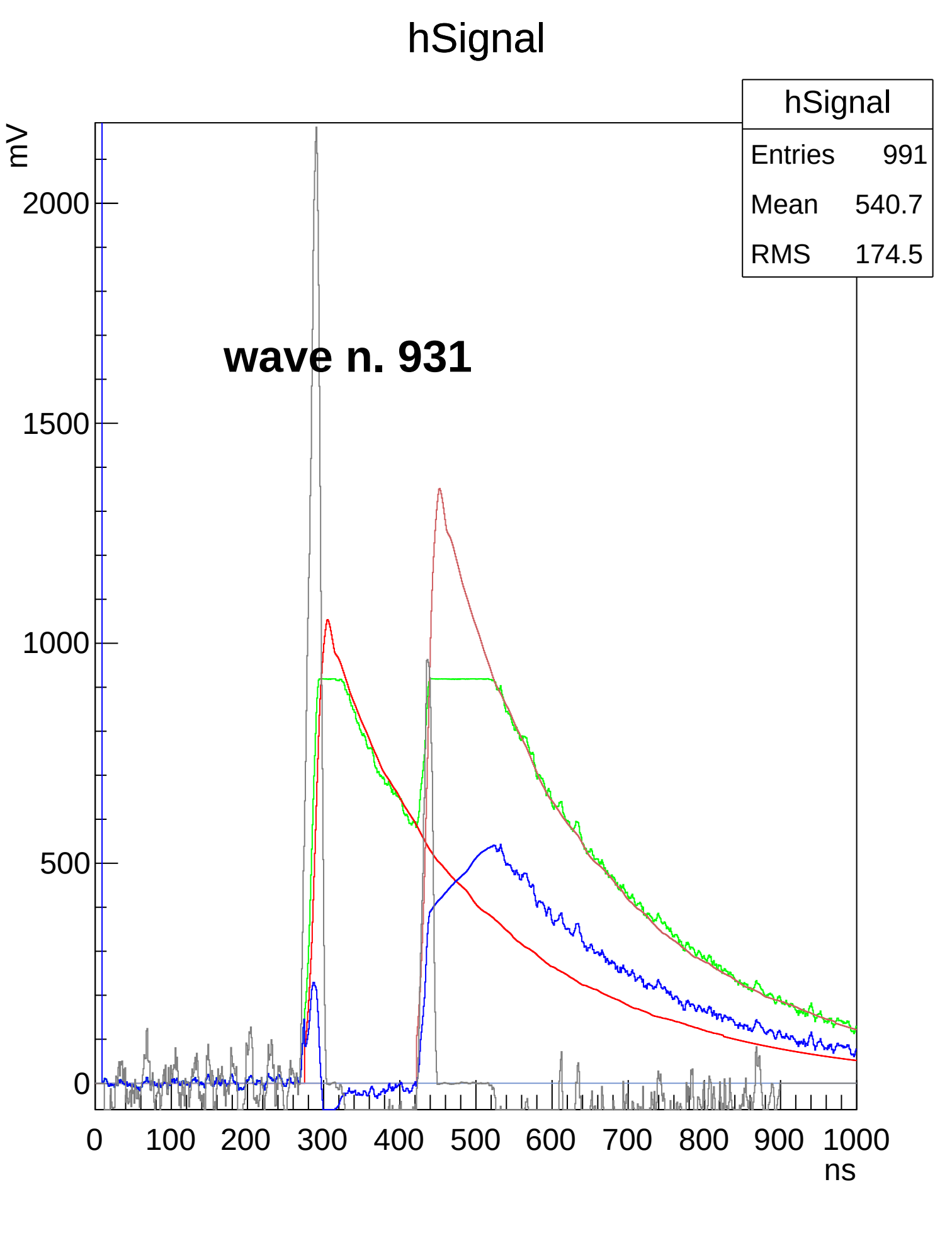

hSignal
hSignal
Entries 991
Mean 550.6
RMS 167.6
wave n. 926
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

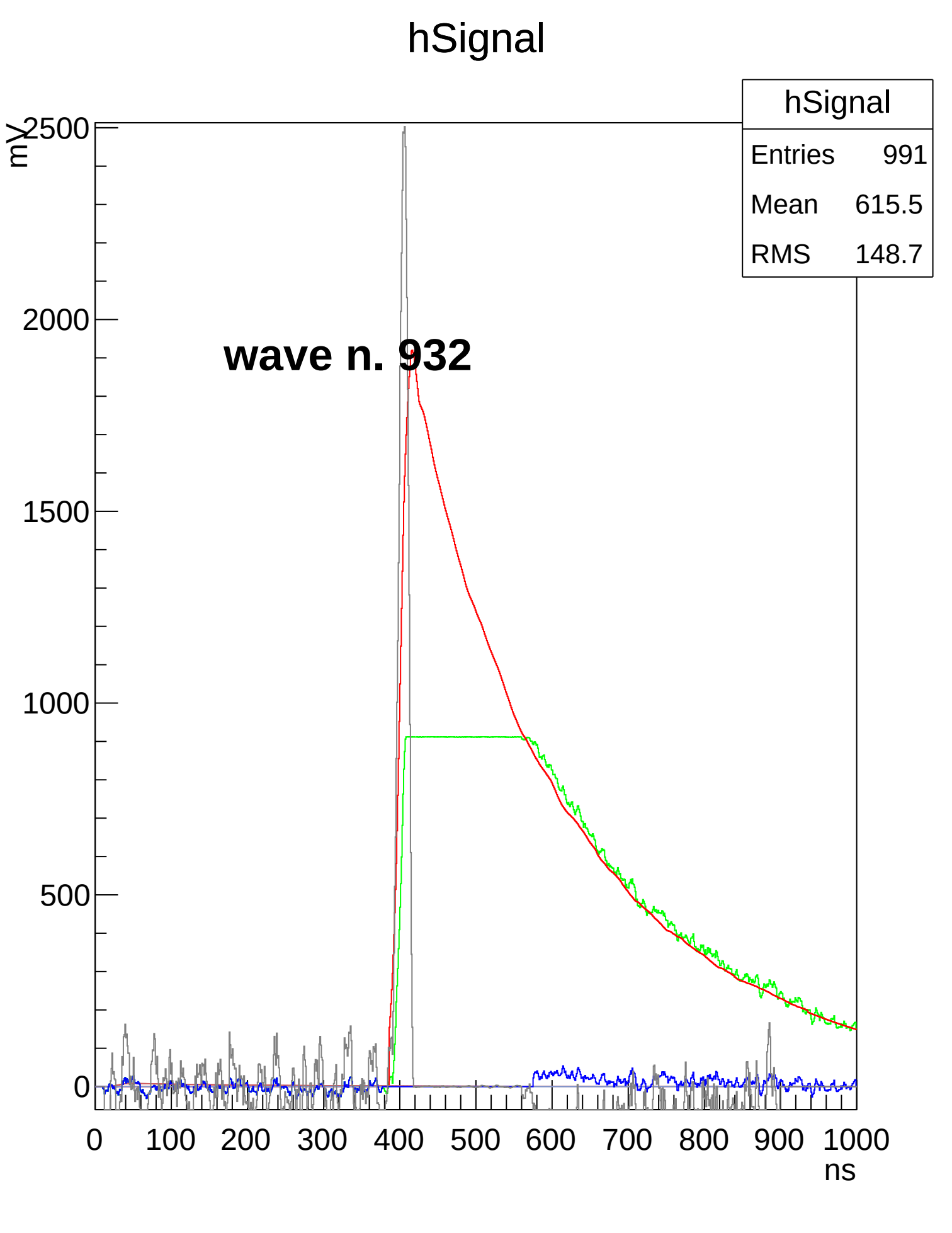

hSignal
hSignal
Entries 991
Mean 513.2
RMS 185.6
wave n. 927
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

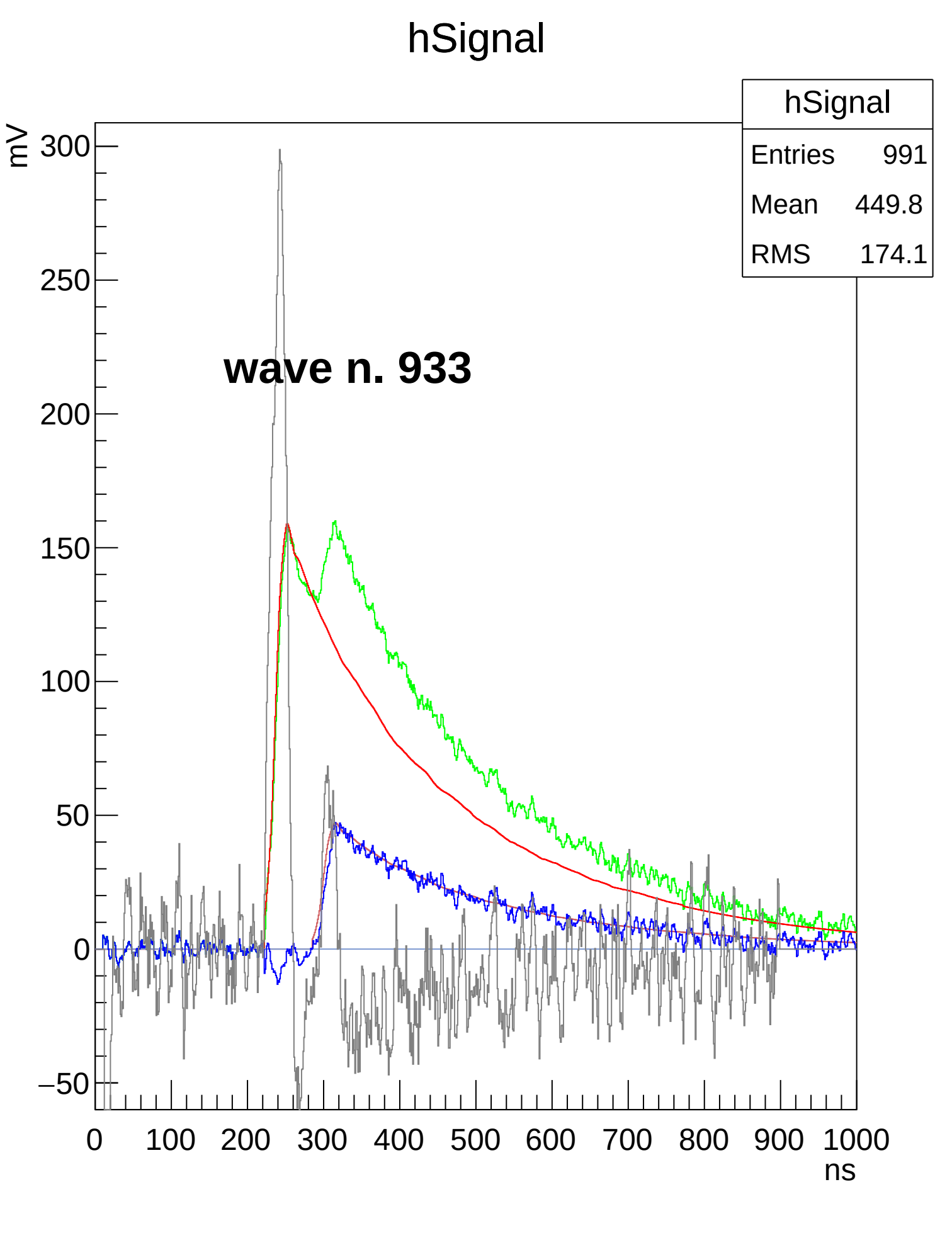

hSignal
hSignal
Entries 991
Mean 516.3
RMS 189.6
wave n. 928
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

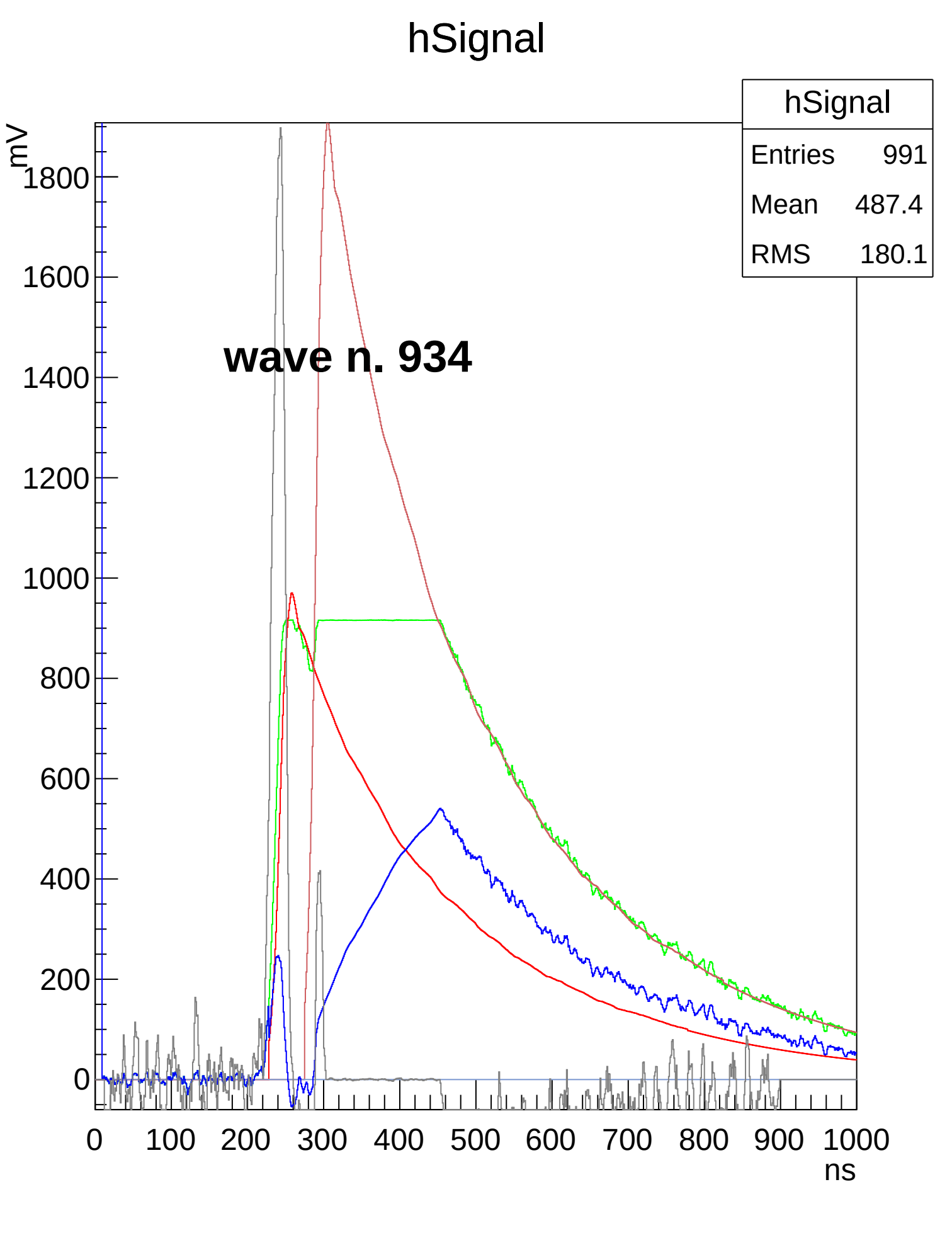

hSignal
hSignal
Entries 991
Mean 515.7
RMS 174.3
wave n. 929
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

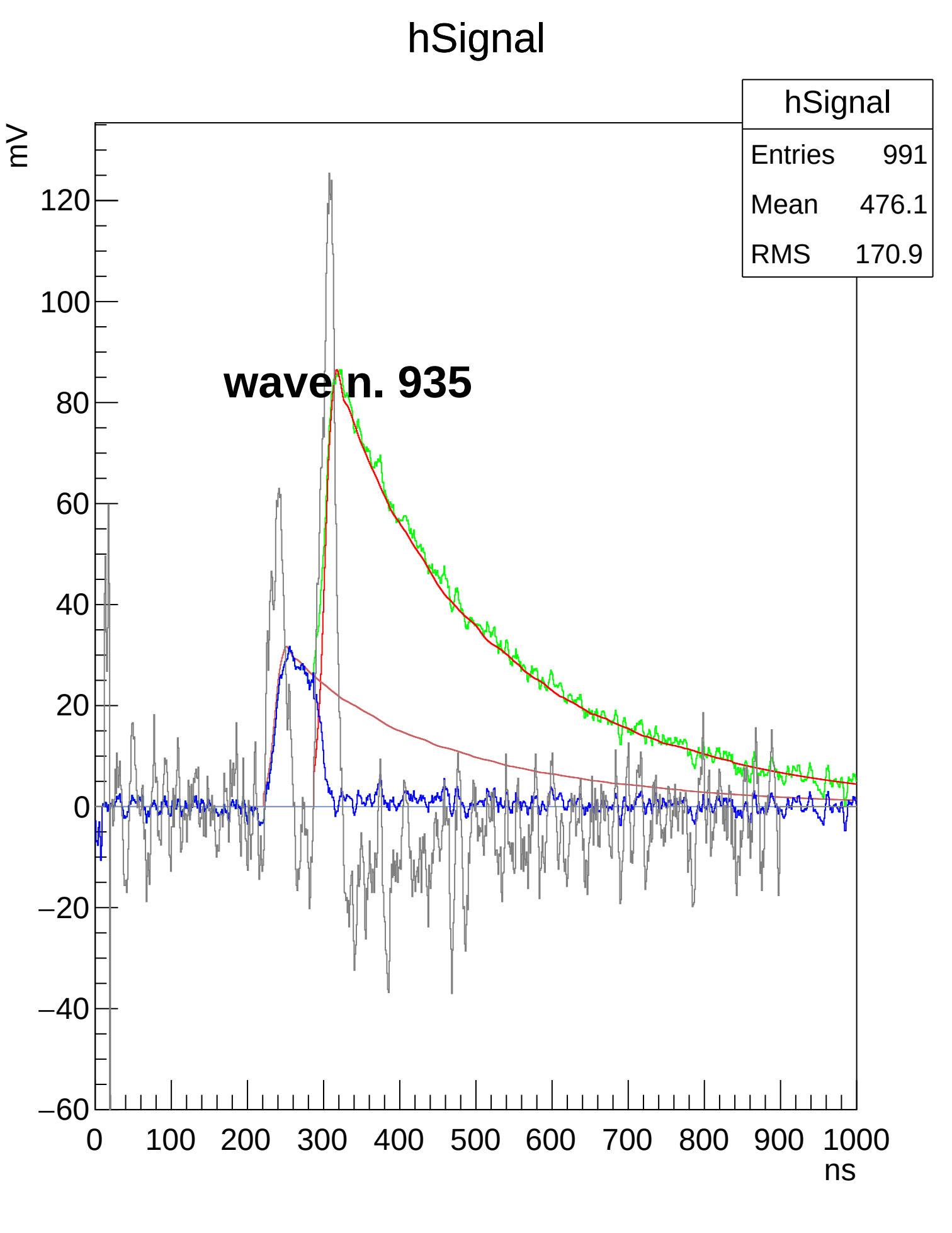

hSignal
hSignal
Entries 991
Mean 592.2
RMS 157.2
wave n. 930
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

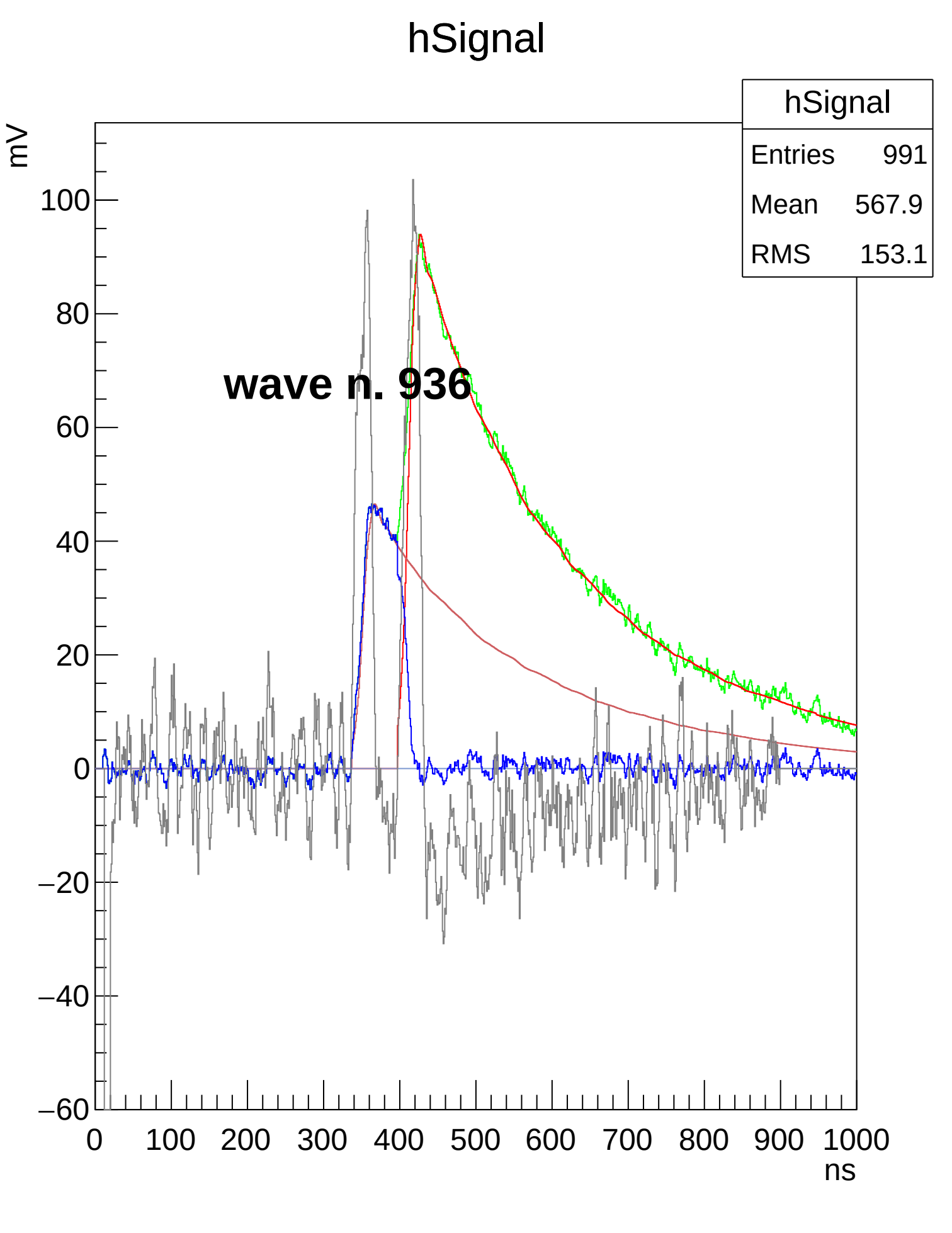

hSignal
hSignal
Entries 991
Mean 540.7
RMS 174.5
wave n. 931
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

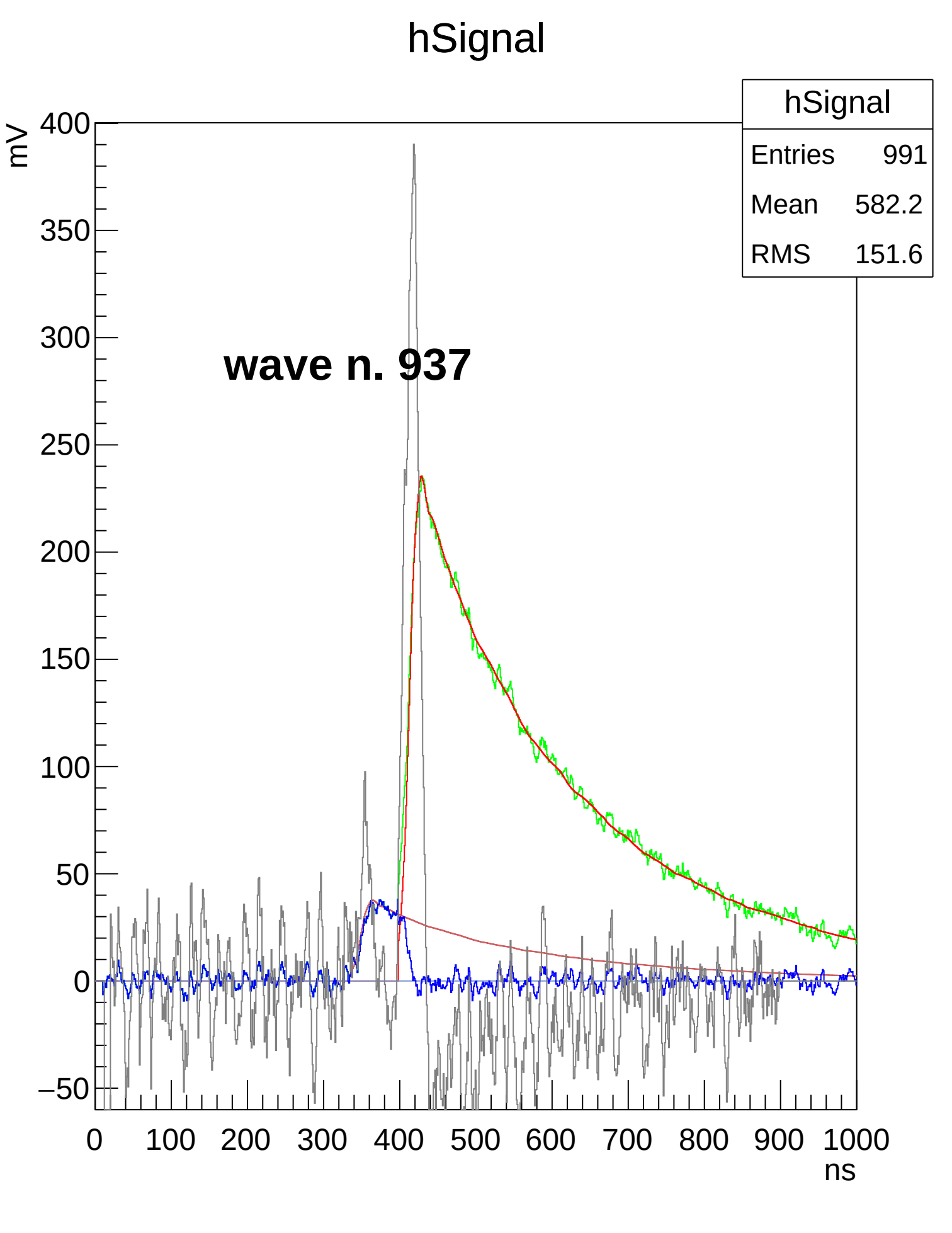

hSignal
hSignal
Entries 991
Mean 615.5
RMS 148.7
wave n. 932
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

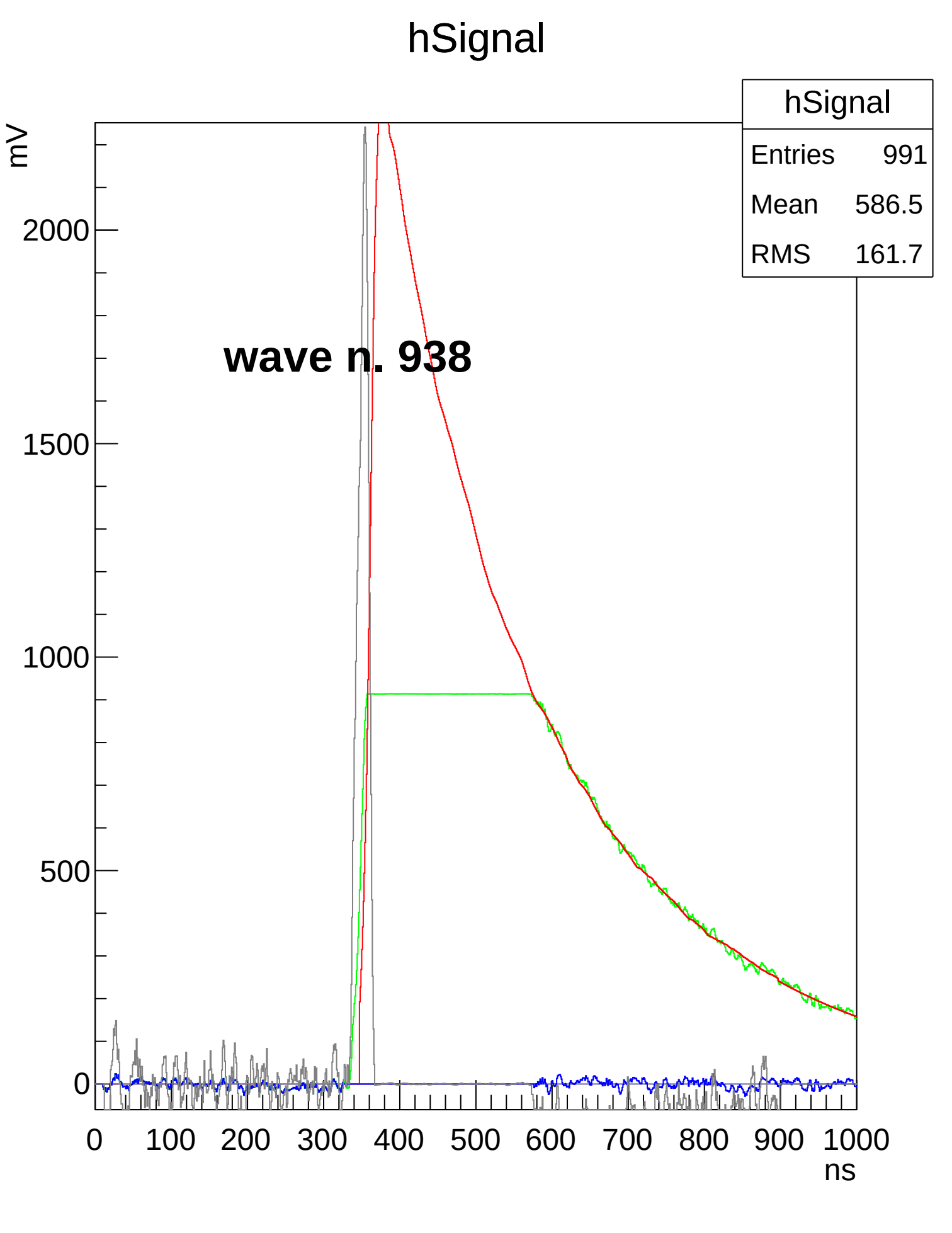

hSignal
hSignal
Entries 991
Mean 449.8
RMS 174.1
wave n. 933
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

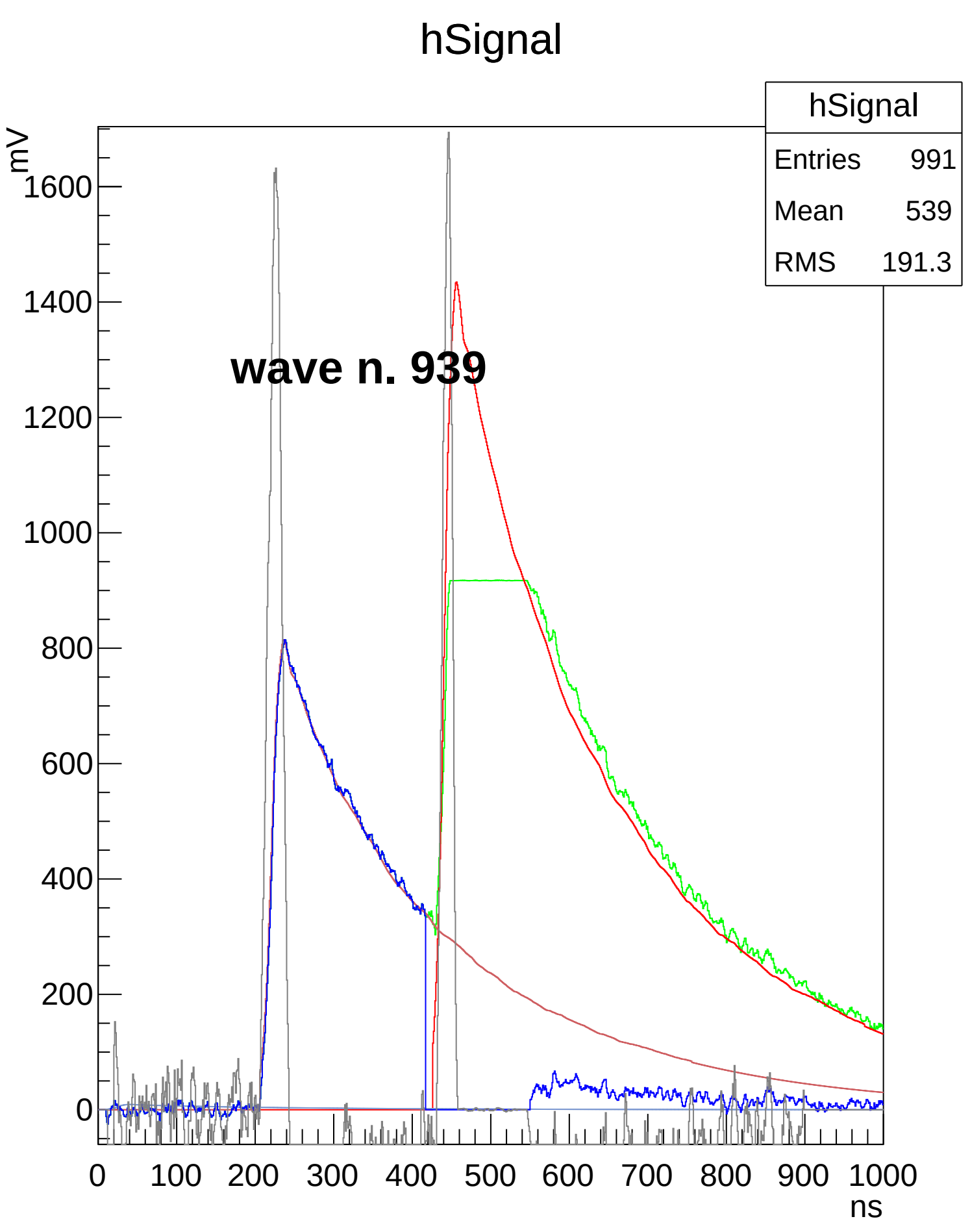

hSignal
hSignal
Entries 991
Mean 487.4
RMS 180.1
wave n. 934
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

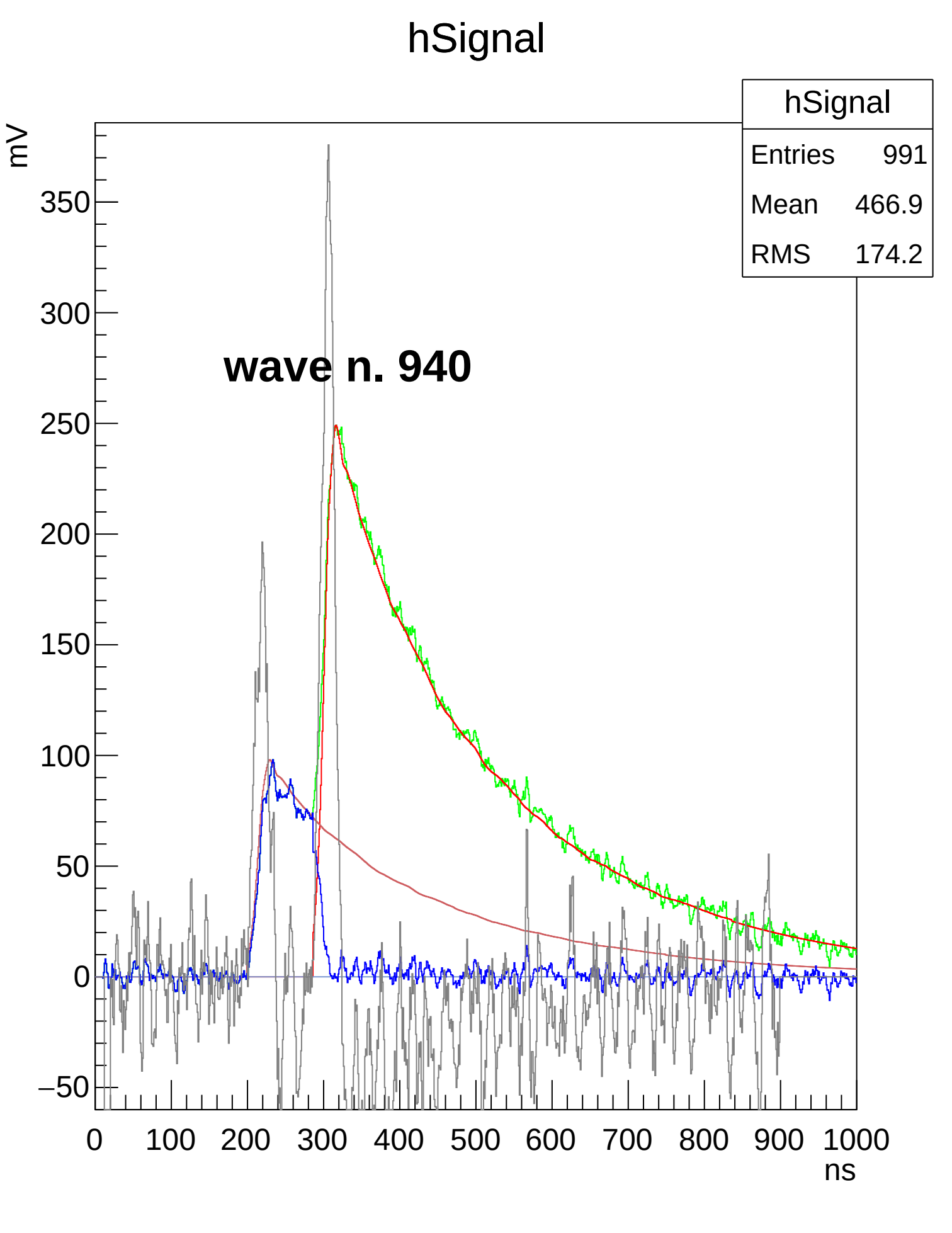

hSignal
hSignal
Entries 991
Mean 476.1
RMS 170.9
wave n. 935
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

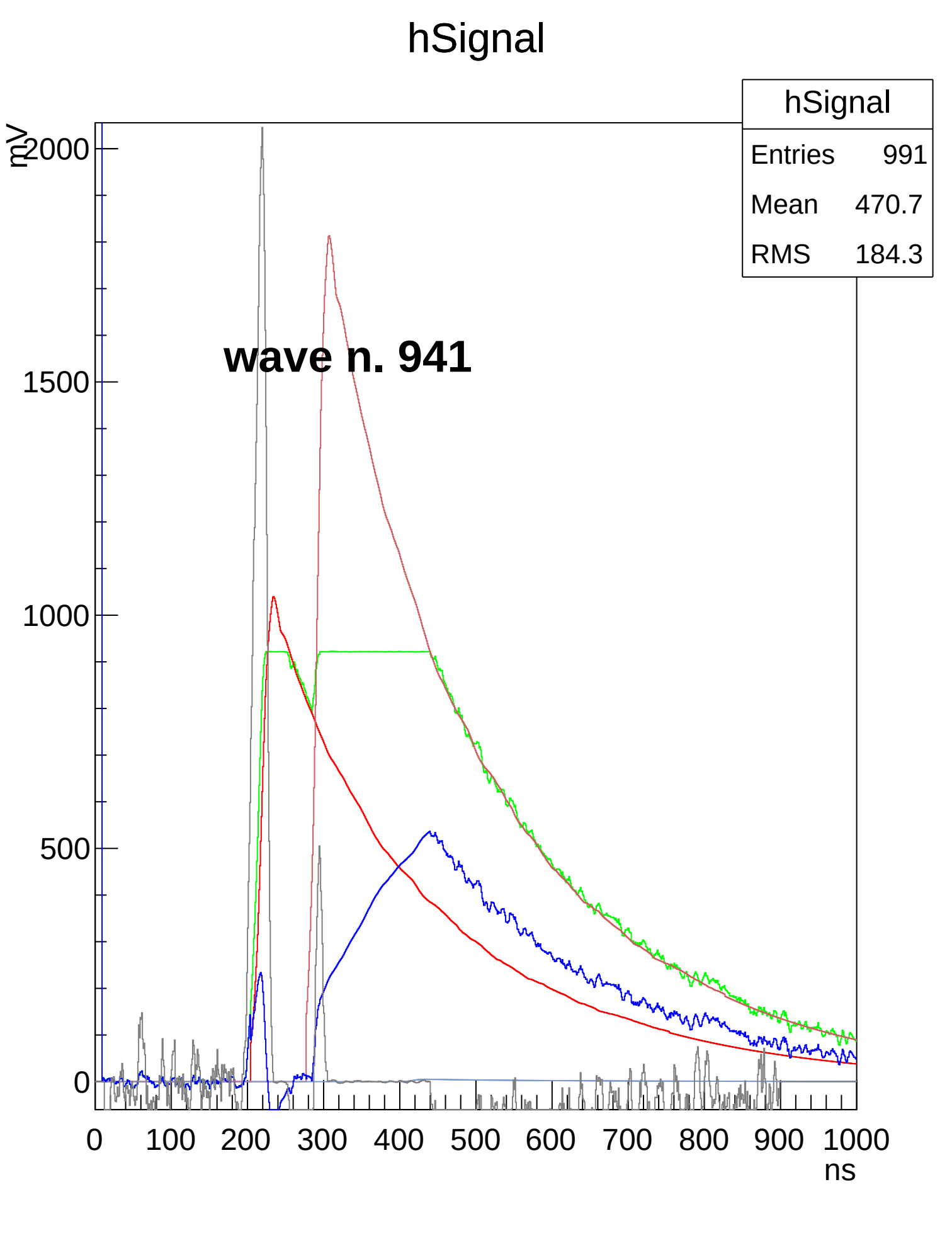

hSignal
hSignal
Entries 991
Mean 567.9
RMS 153.1
wave n. 936
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

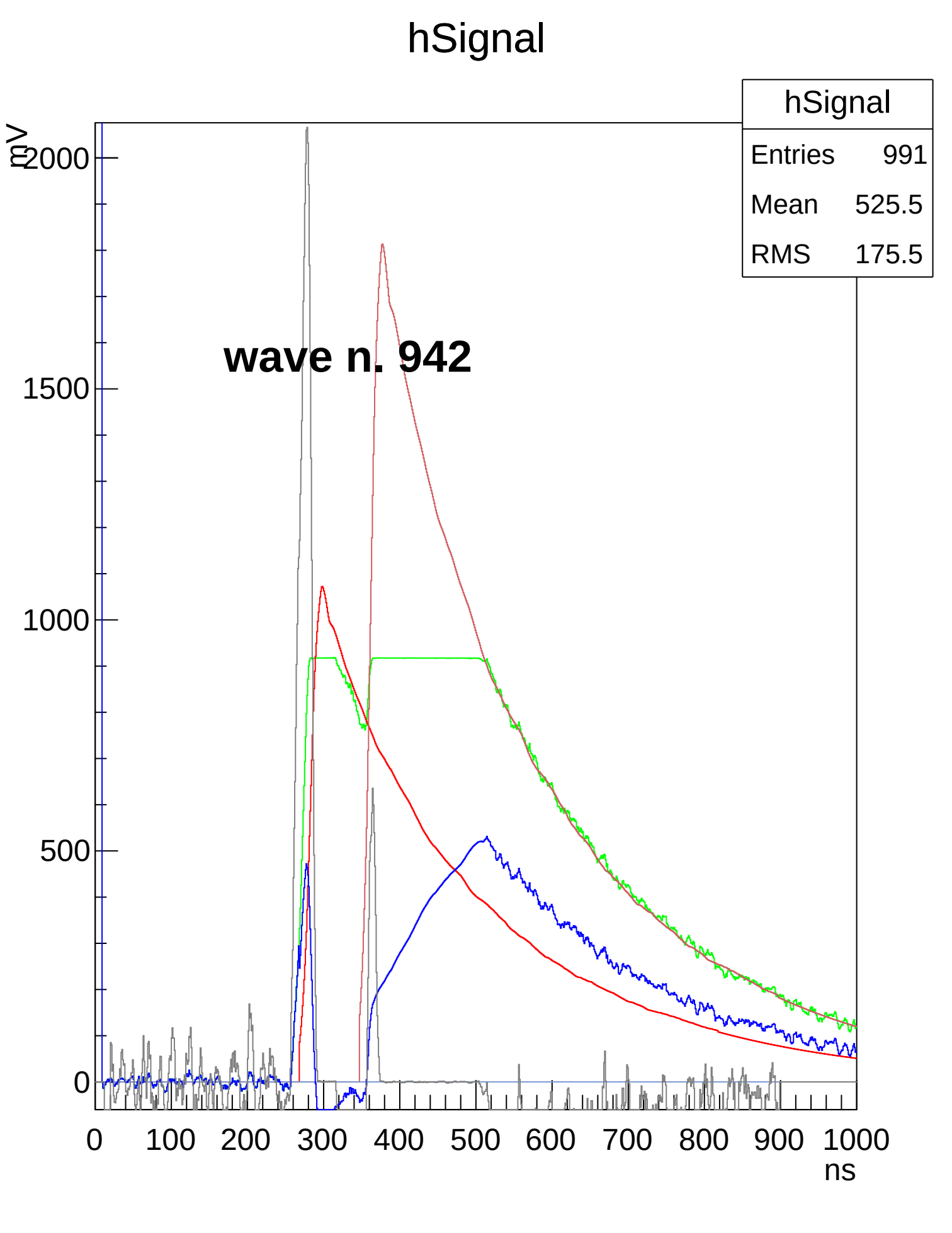

hSignal
hSignal
Entries 991
Mean 582.2
RMS 151.6
wave n. 937
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

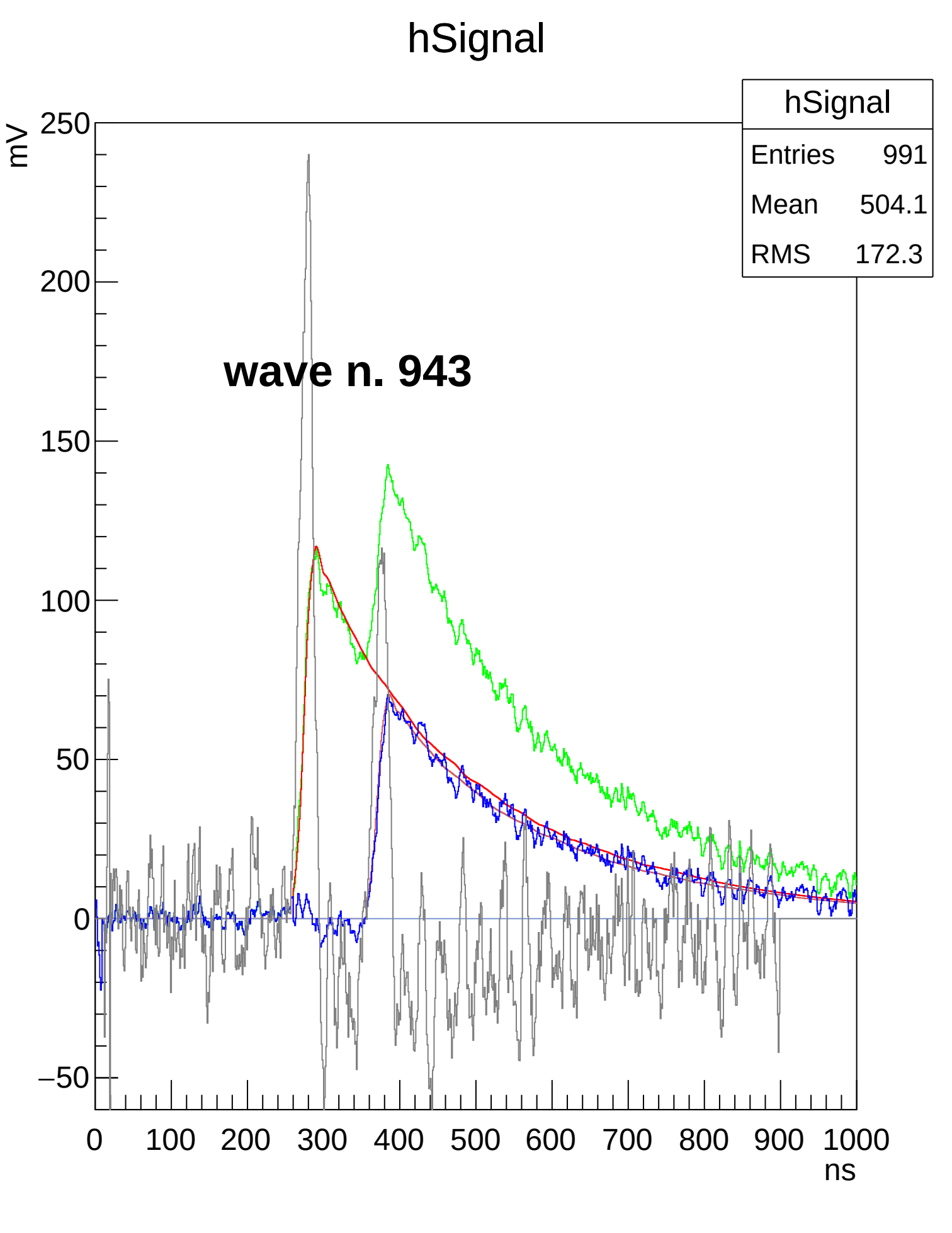

hSignal
hSignal
Entries 991
Mean 586.5
RMS 161.7
wave n. 938
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

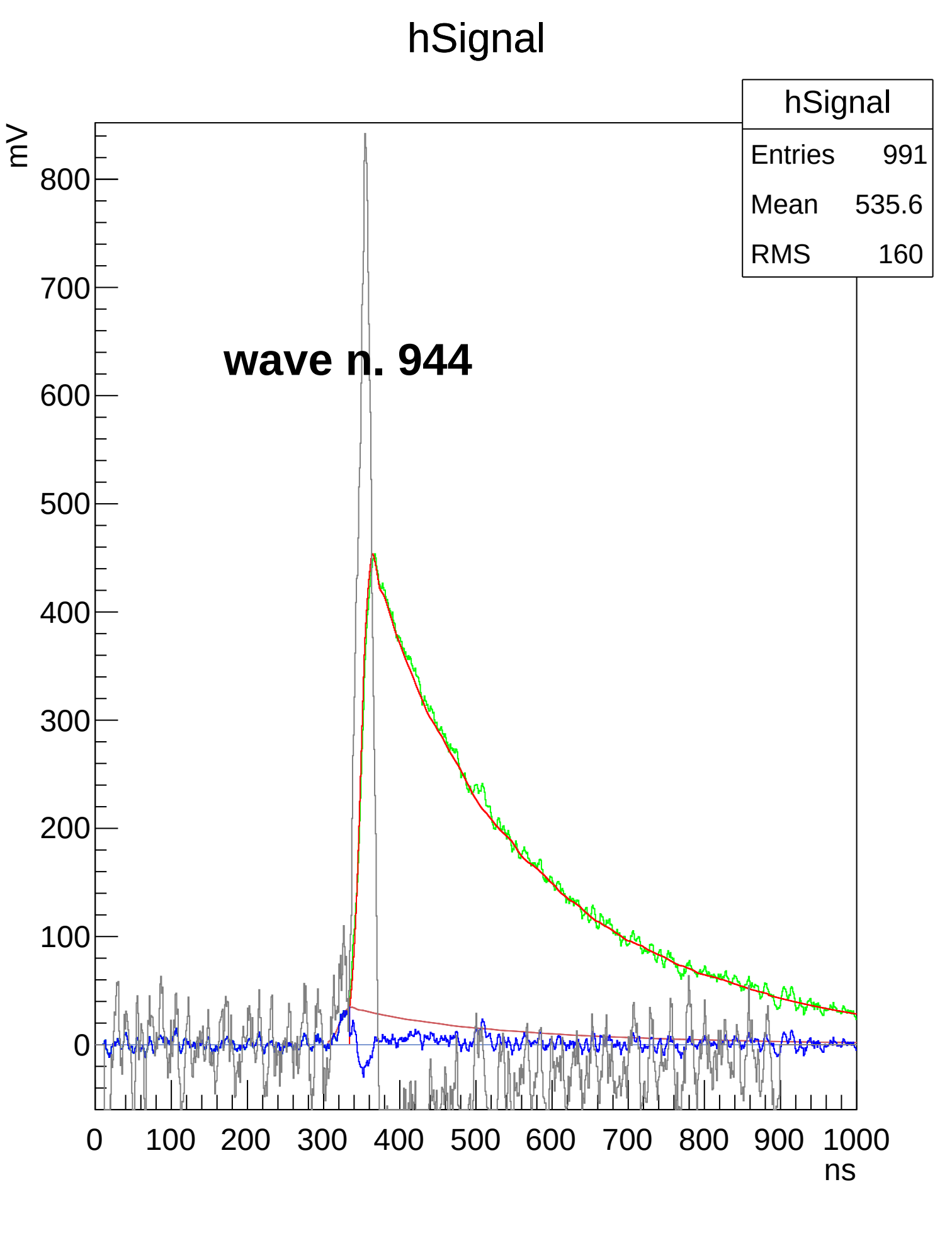

hSignal
hSignal
Entries 991
Mean 539
RMS 191.3
wave n. 939
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

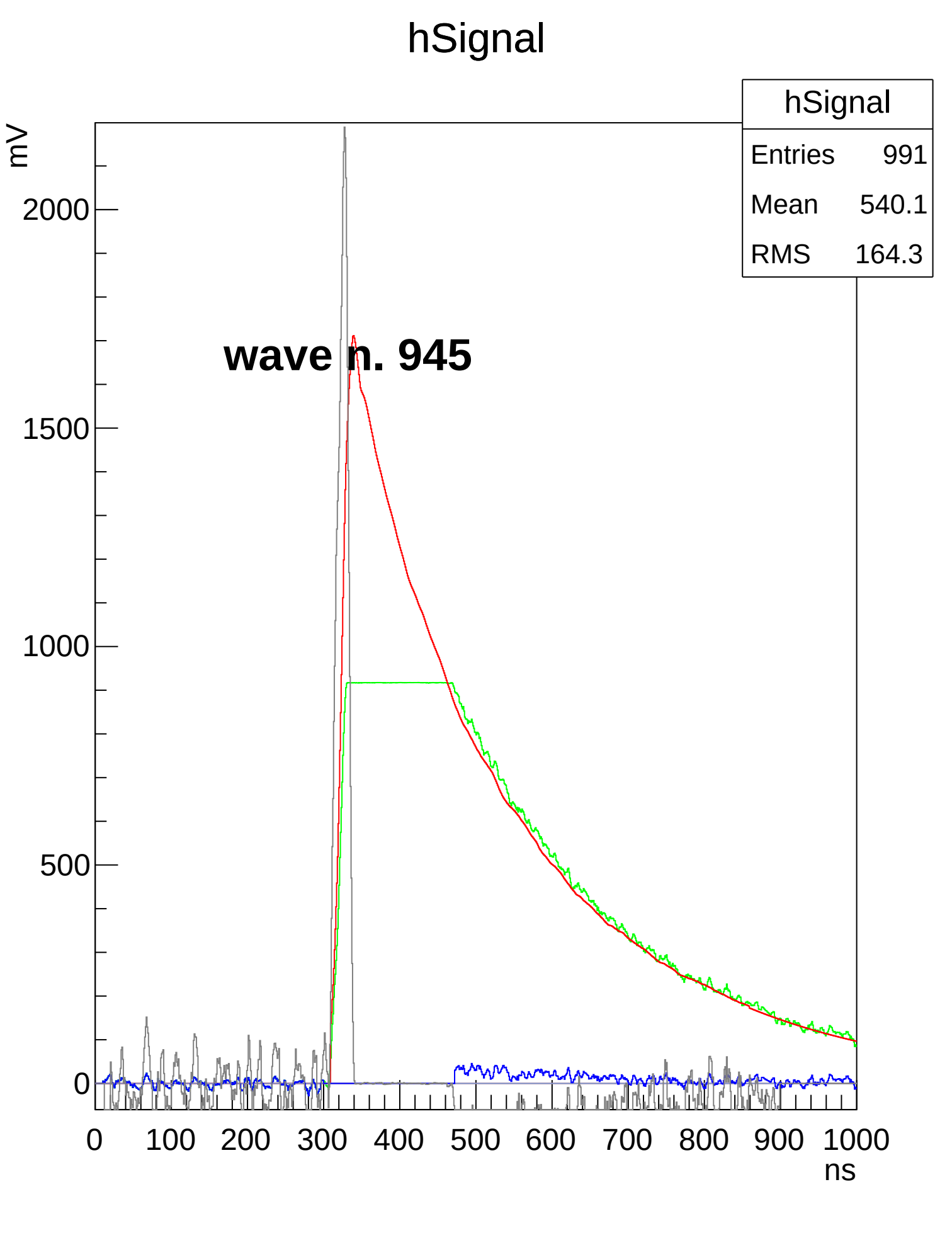

hSignal
hSignal
Entries 991
Mean 466.9
RMS 174.2
wave n. 940
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

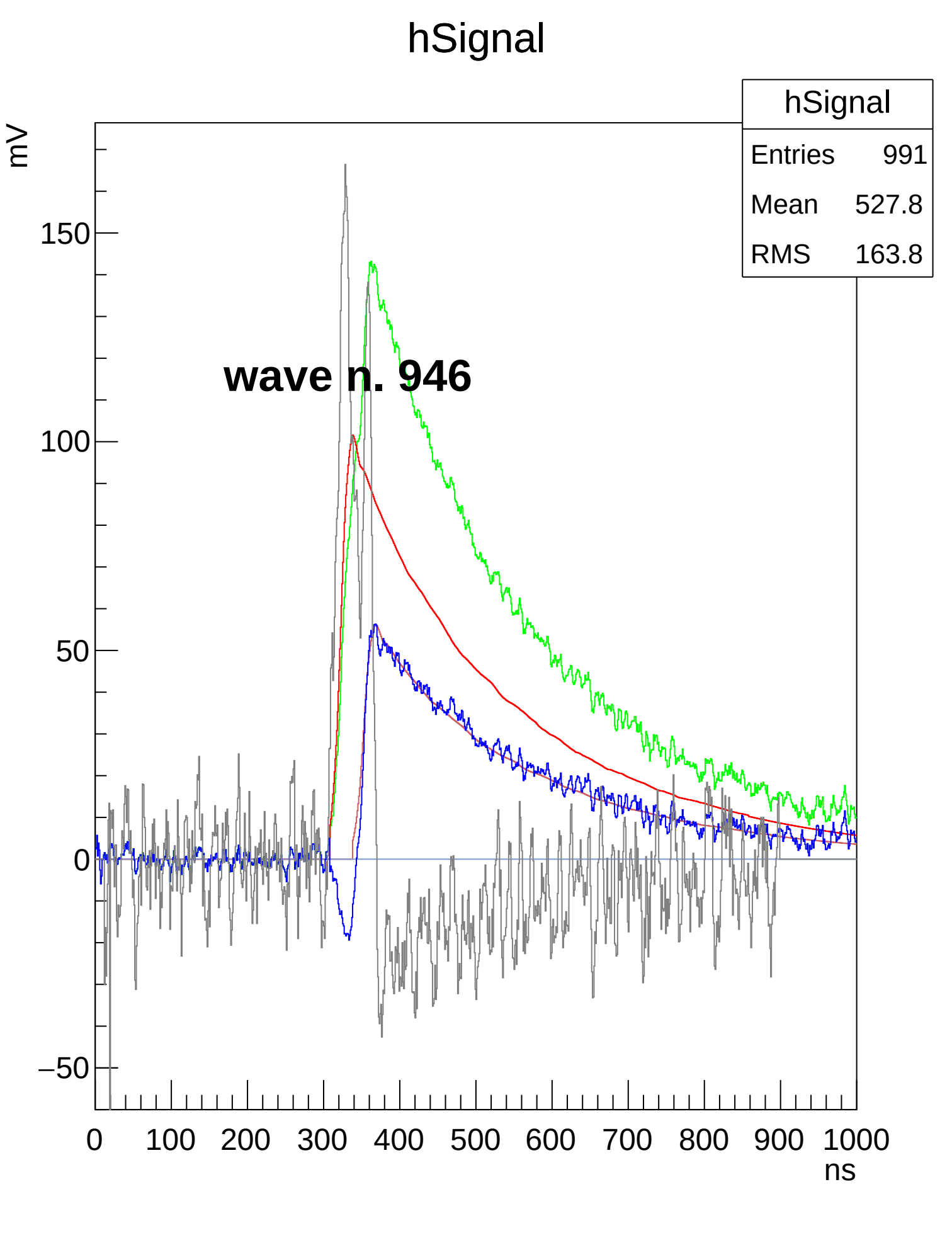

hSignal
hSignal
Entries 991
Mean 470.7
RMS 184.3
wave n. 941
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

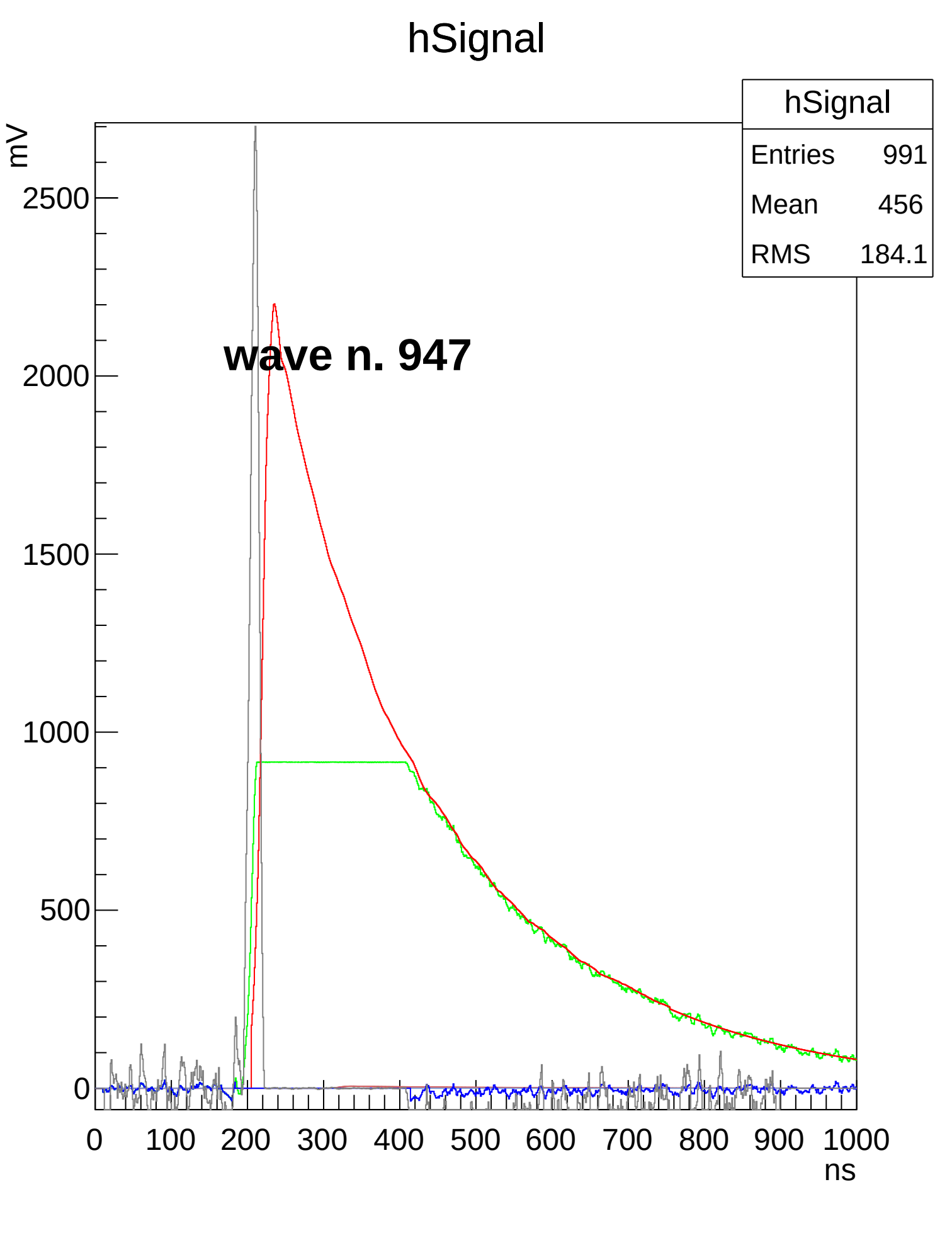

hSignal
hSignal
Entries 991
Mean 525.5
RMS 175.5
wave n. 942
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

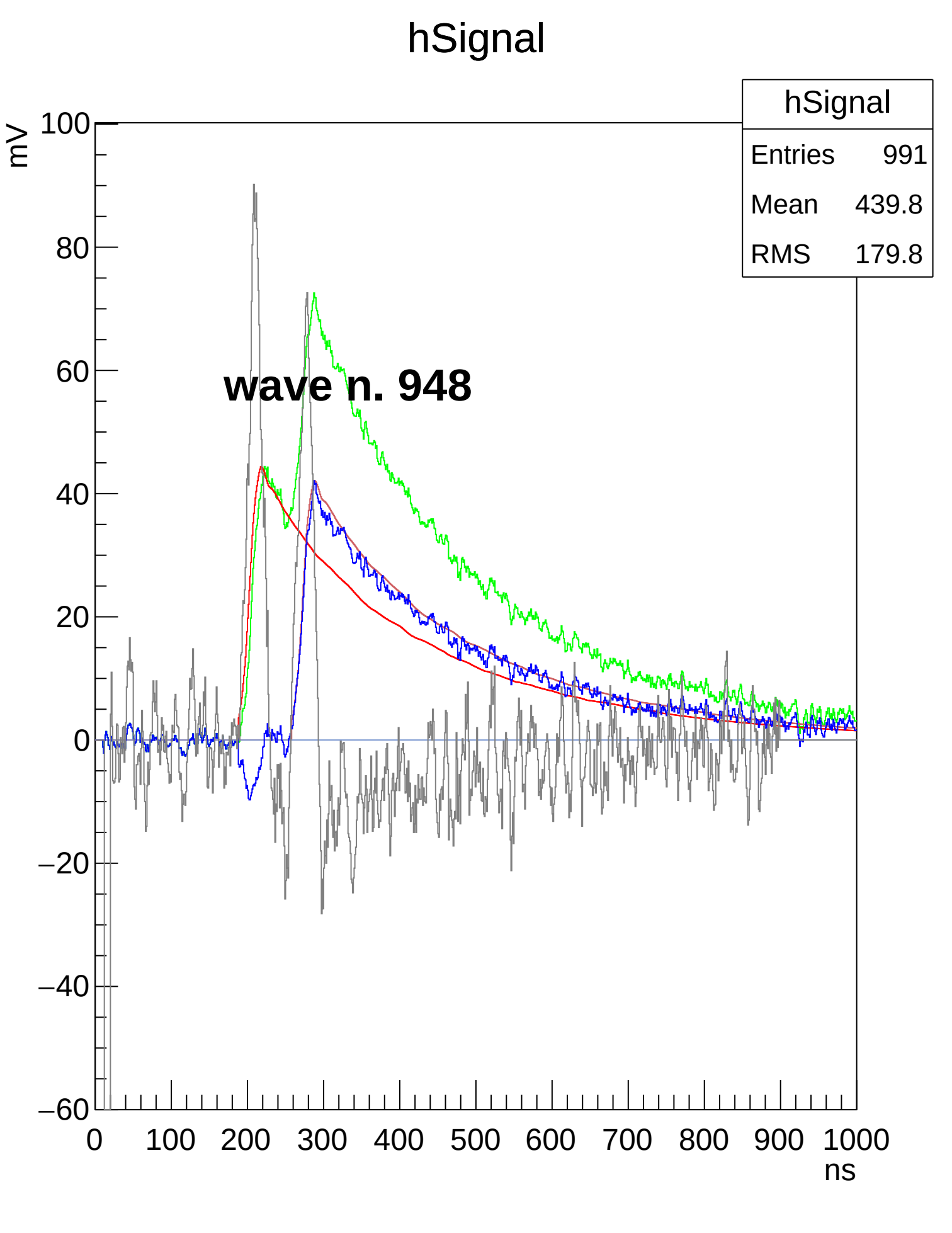

hSignal
hSignal
Entries 991
Mean 504.1
RMS 172.3
wave n. 943
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

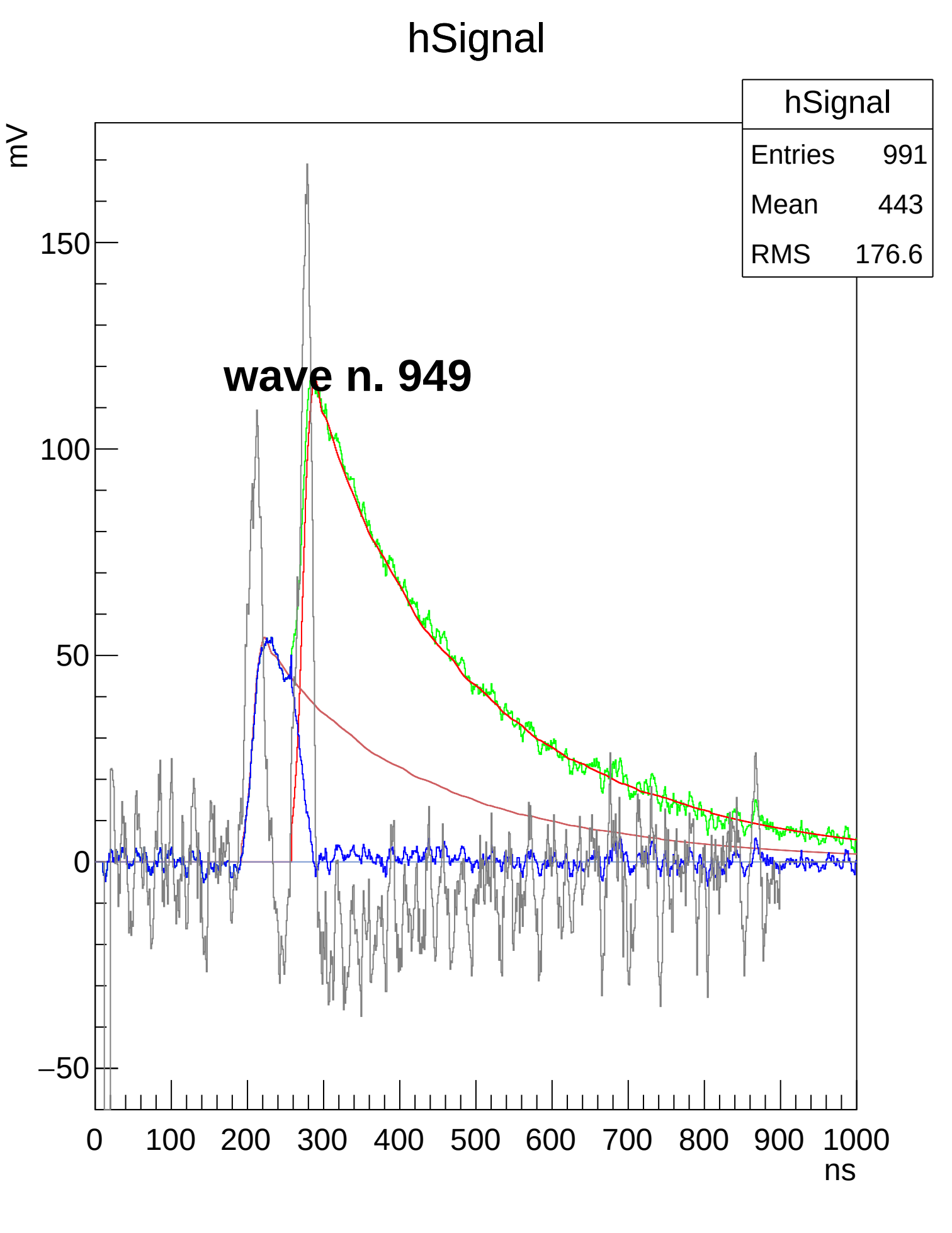

hSignal
hSignal
Entries 991
Mean 535.6
RMS 160
wave n. 944
mV
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

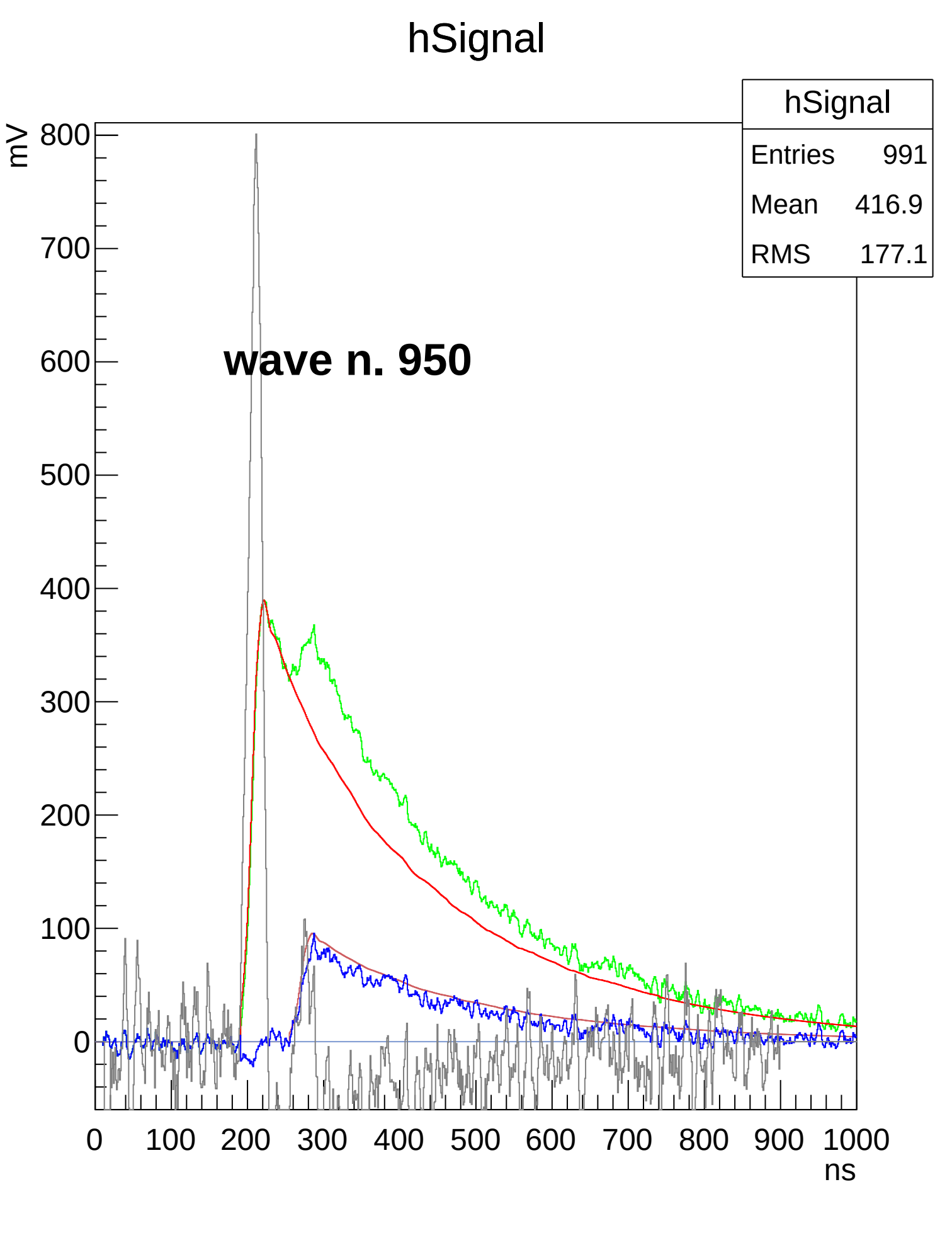

hSignal
hSignal
Entries 991
Mean 540.1
RMS 164.3
wave n. 945
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

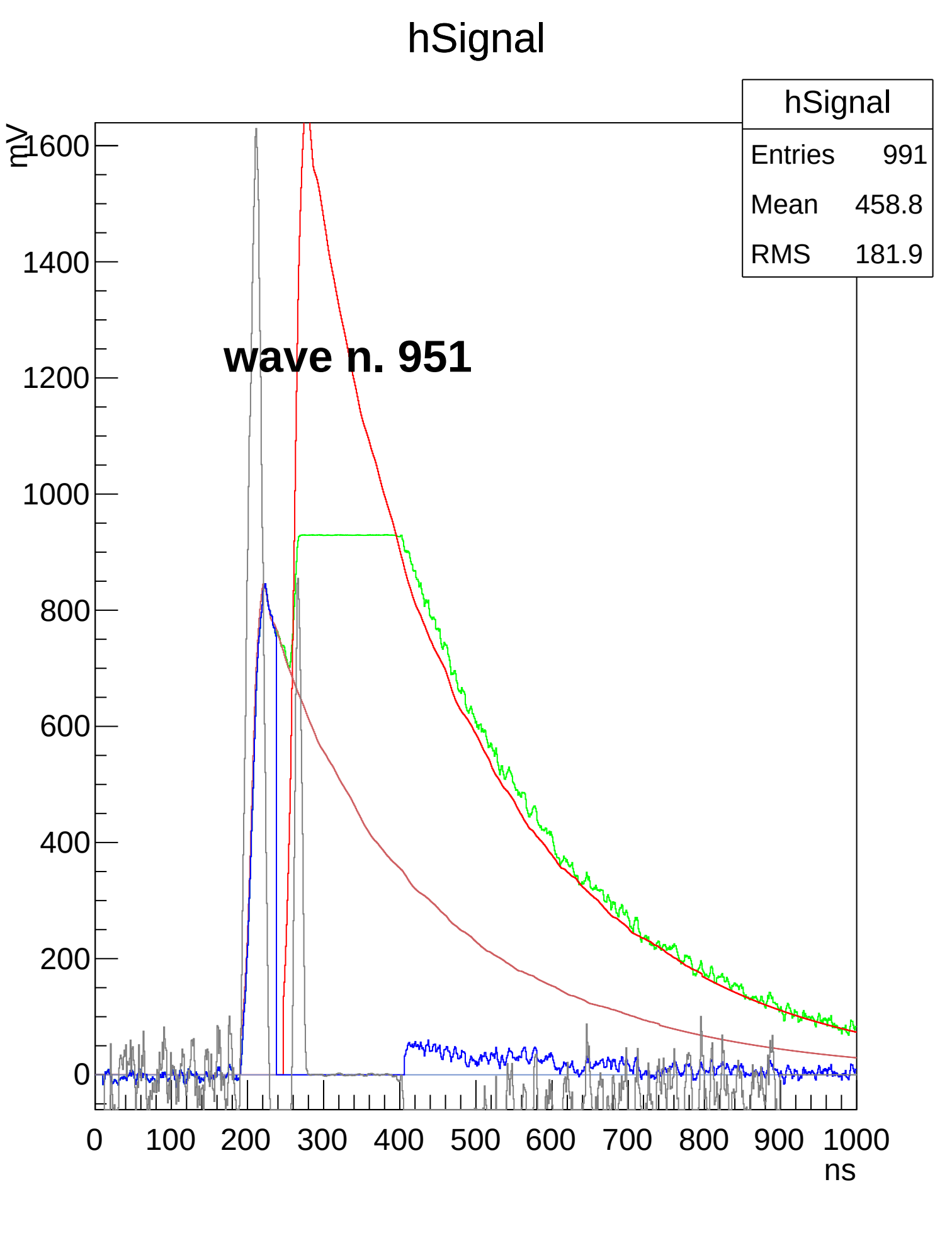

hSignal
hSignal
Entries 991
Mean 527.8
RMS 163.8
wave n. 946
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

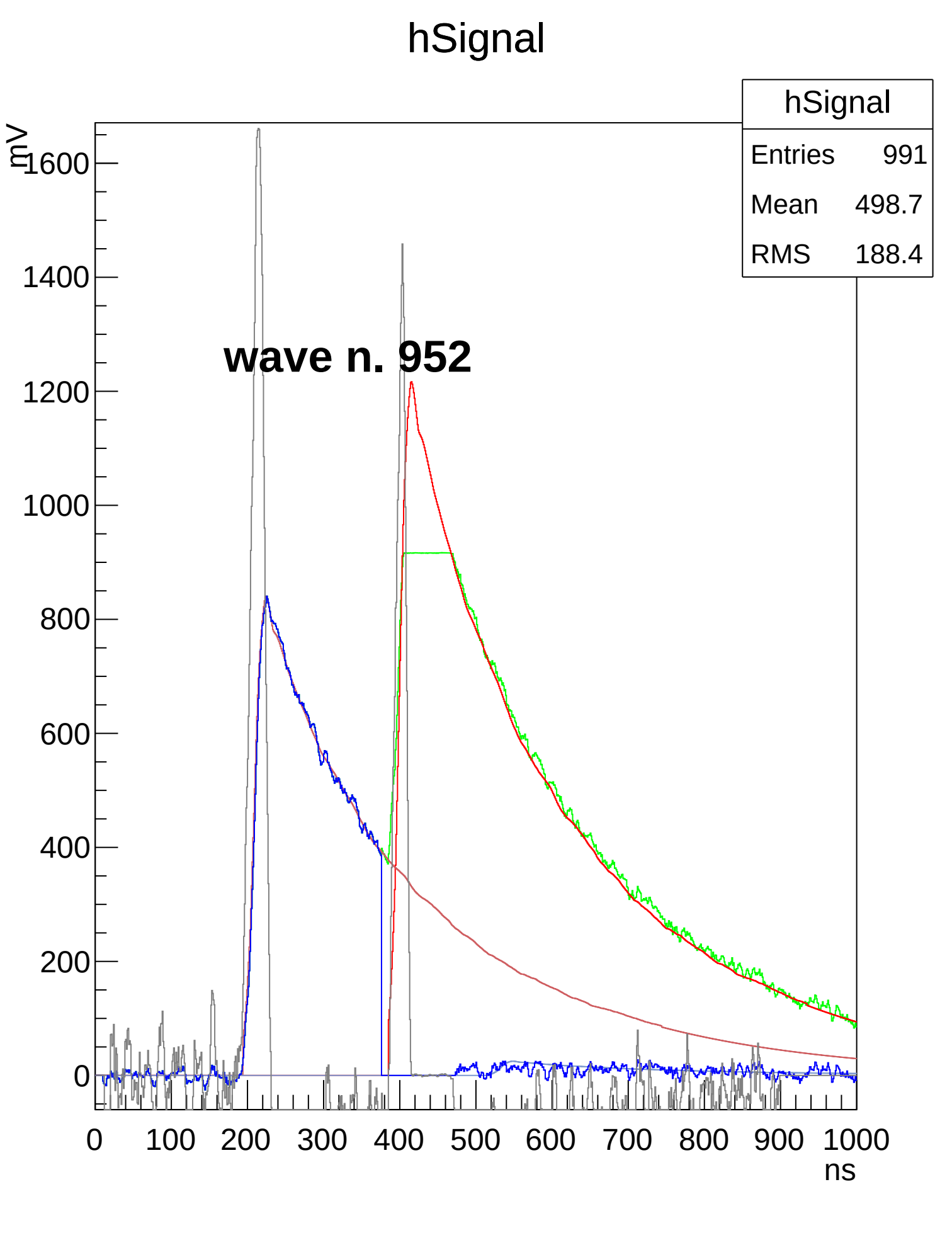

hSignal
hSignal
Entries 991
Mean 456
RMS 184.1
wave n. 947
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

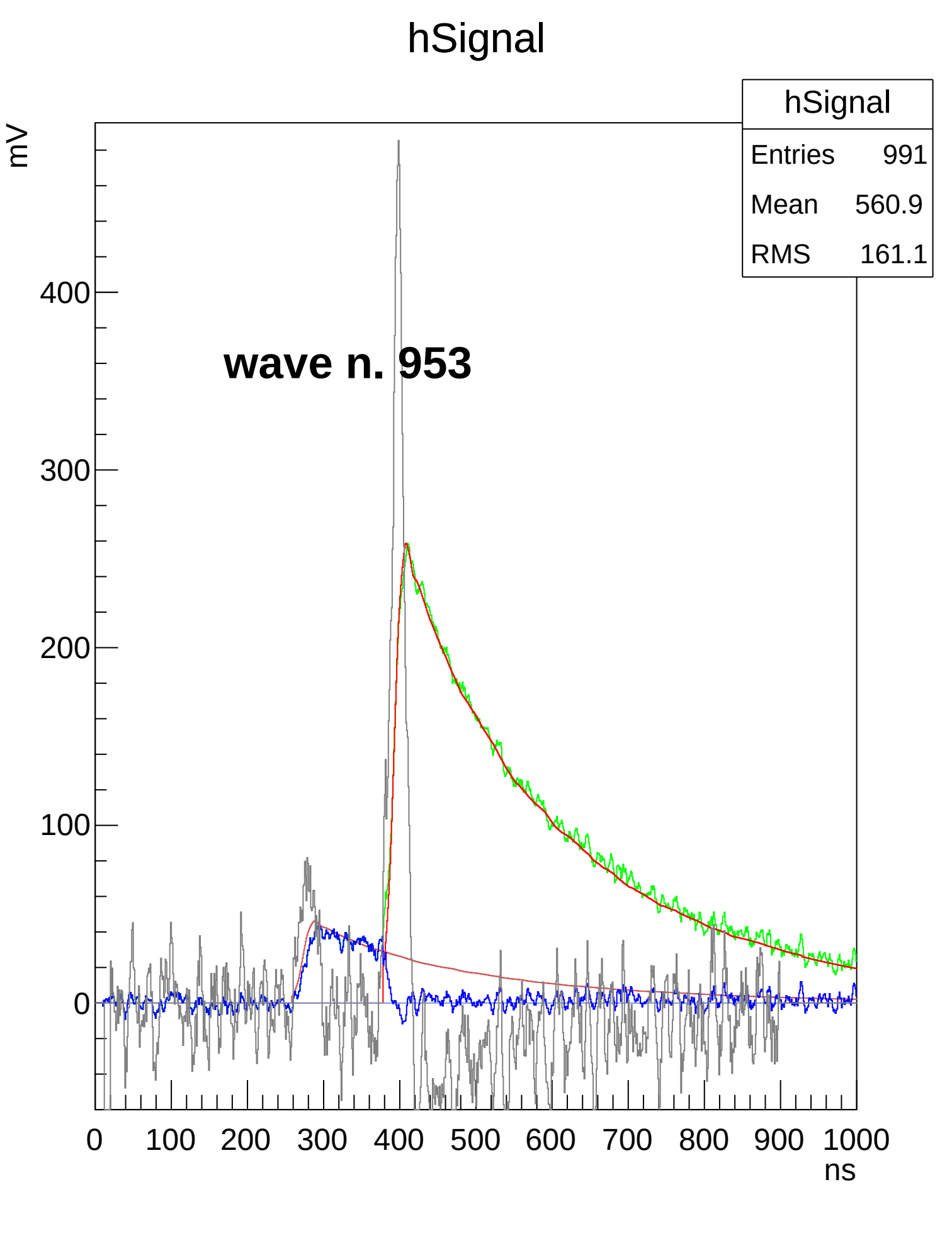

hSignal
hSignal
Entries 991
Mean 439.8
RMS 179.8
wave n. 948
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

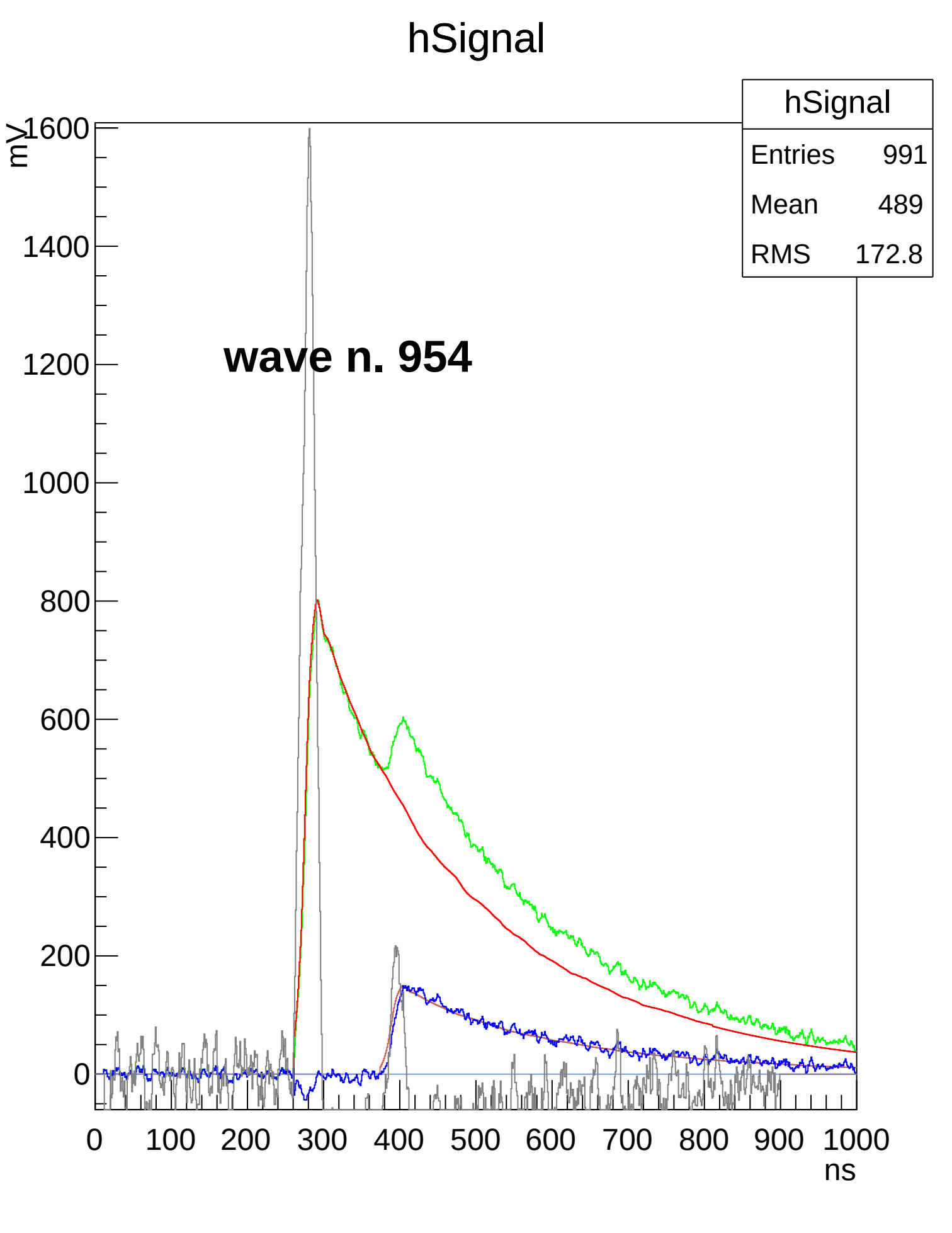

hSignal
hSignal
Entries 991
Mean 443
RMS 176.6
wave n. 949
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

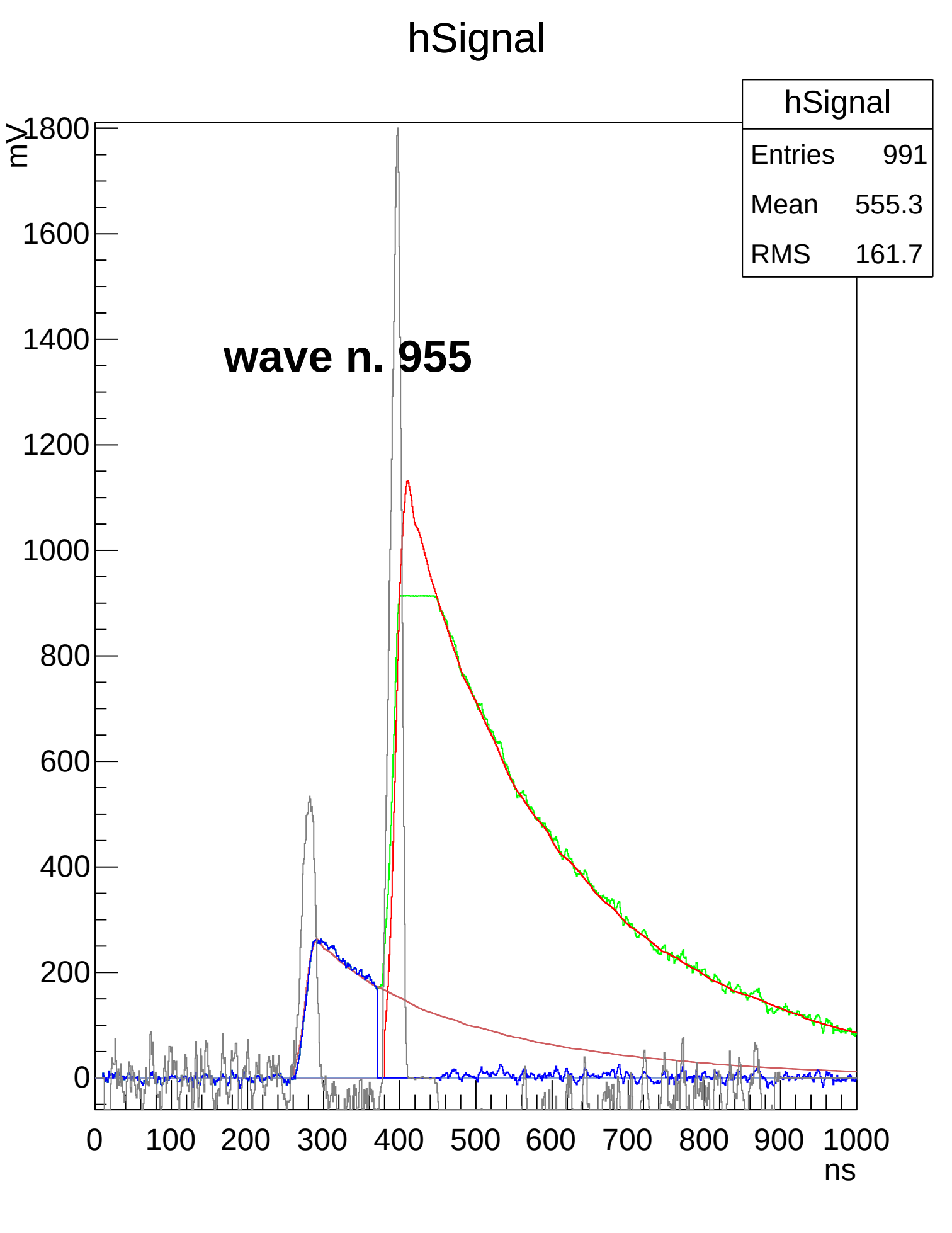

hSignal
hSignal
Entries 991
Mean 416.9
RMS 177.1
wave n. 950
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

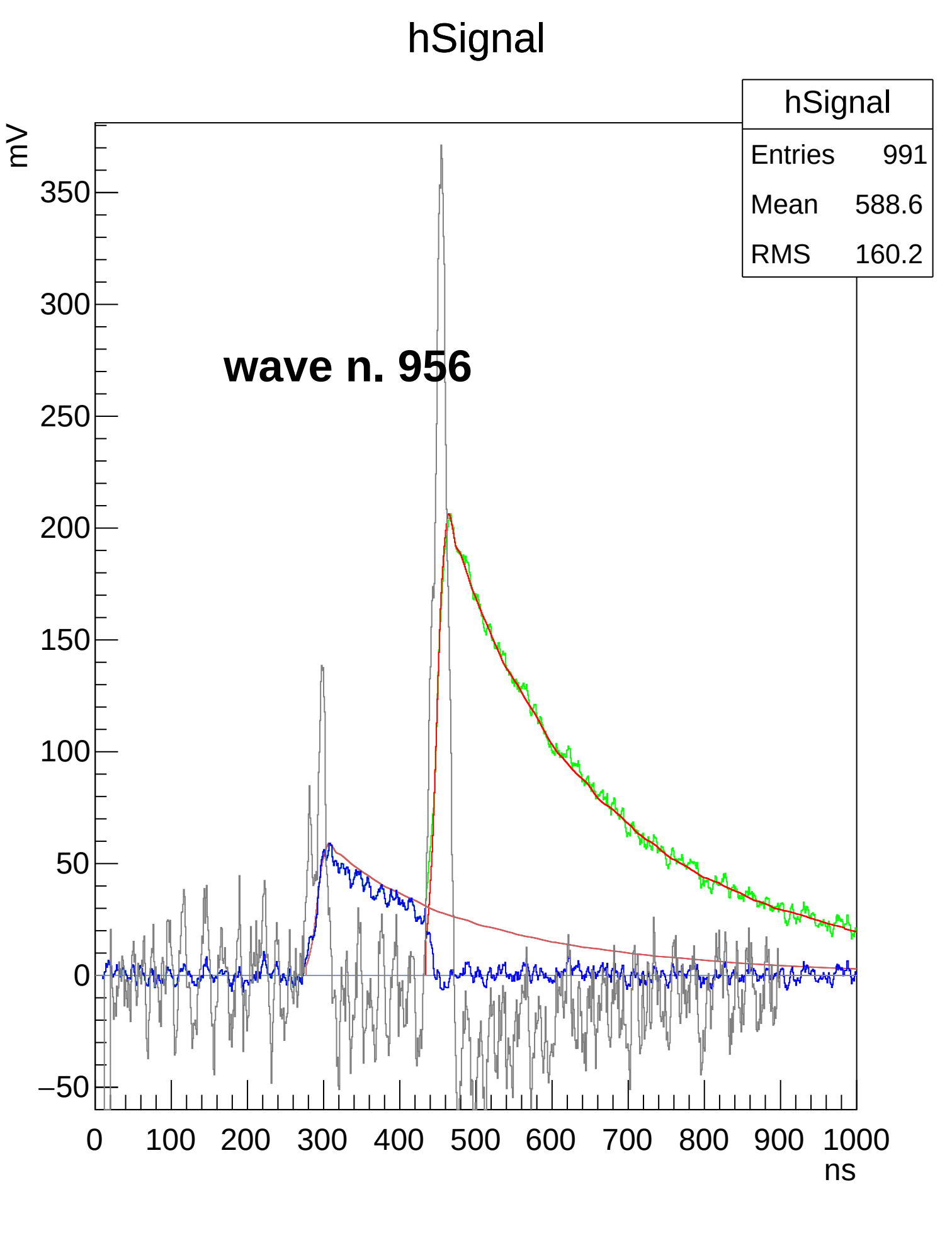

hSignal
hSignal
Entries 991
Mean 458.8
RMS 181.9
wave n. 951
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

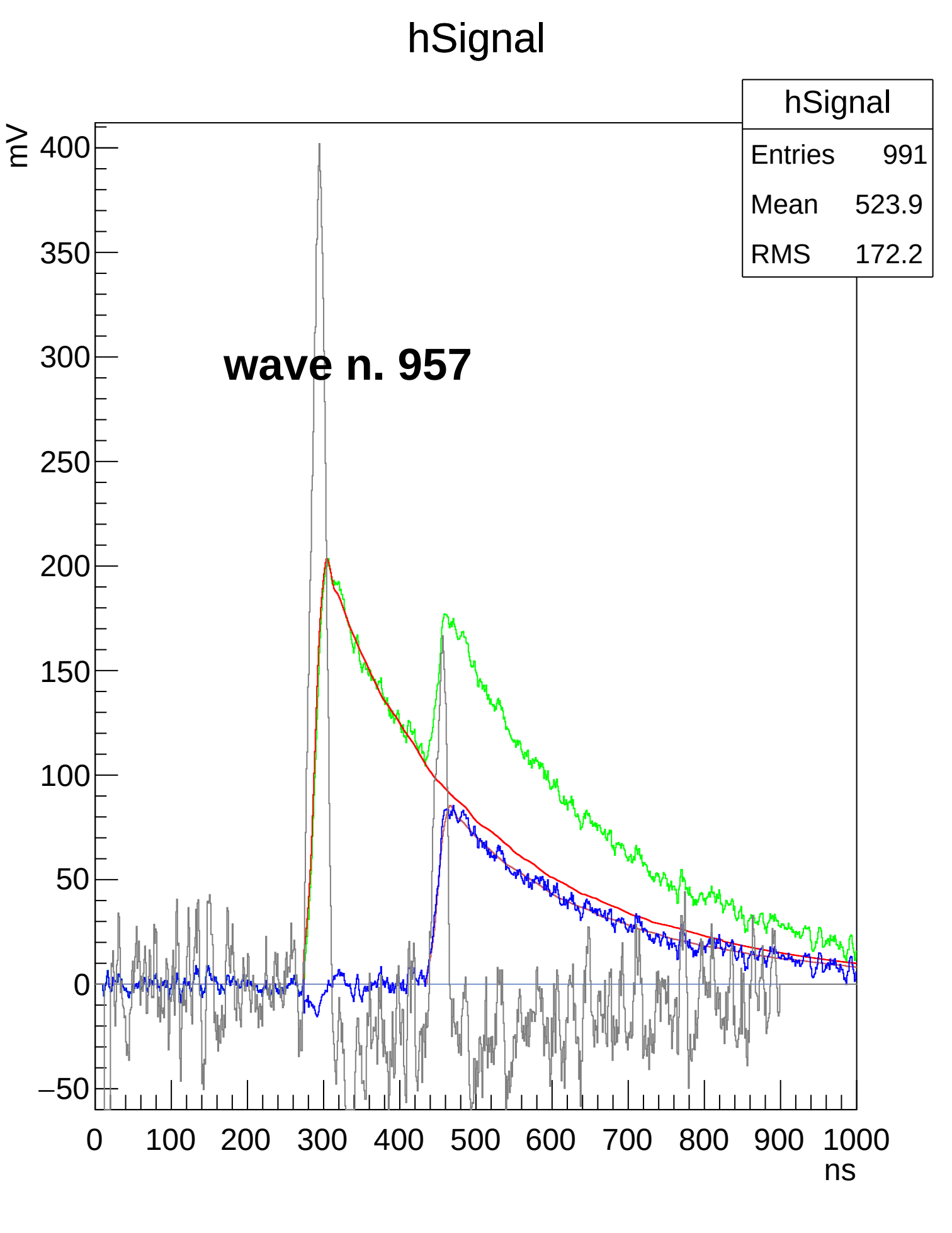

hSignal
hSignal
Entries 991
Mean 498.7
RMS 188.4
wave n. 952
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

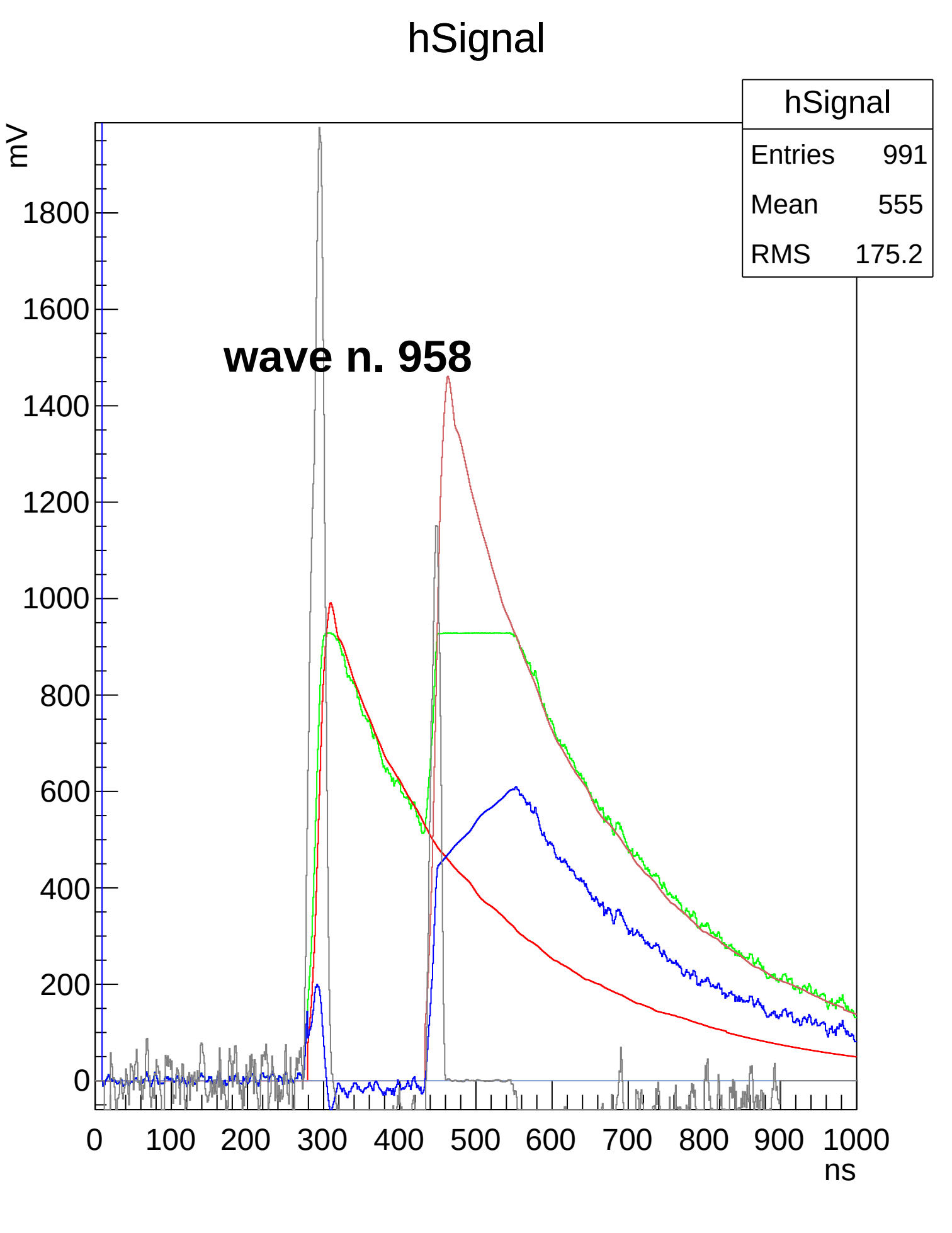

hSignal
hSignal
Entries 991
Mean 560.9
RMS 161.1
wave n. 953
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

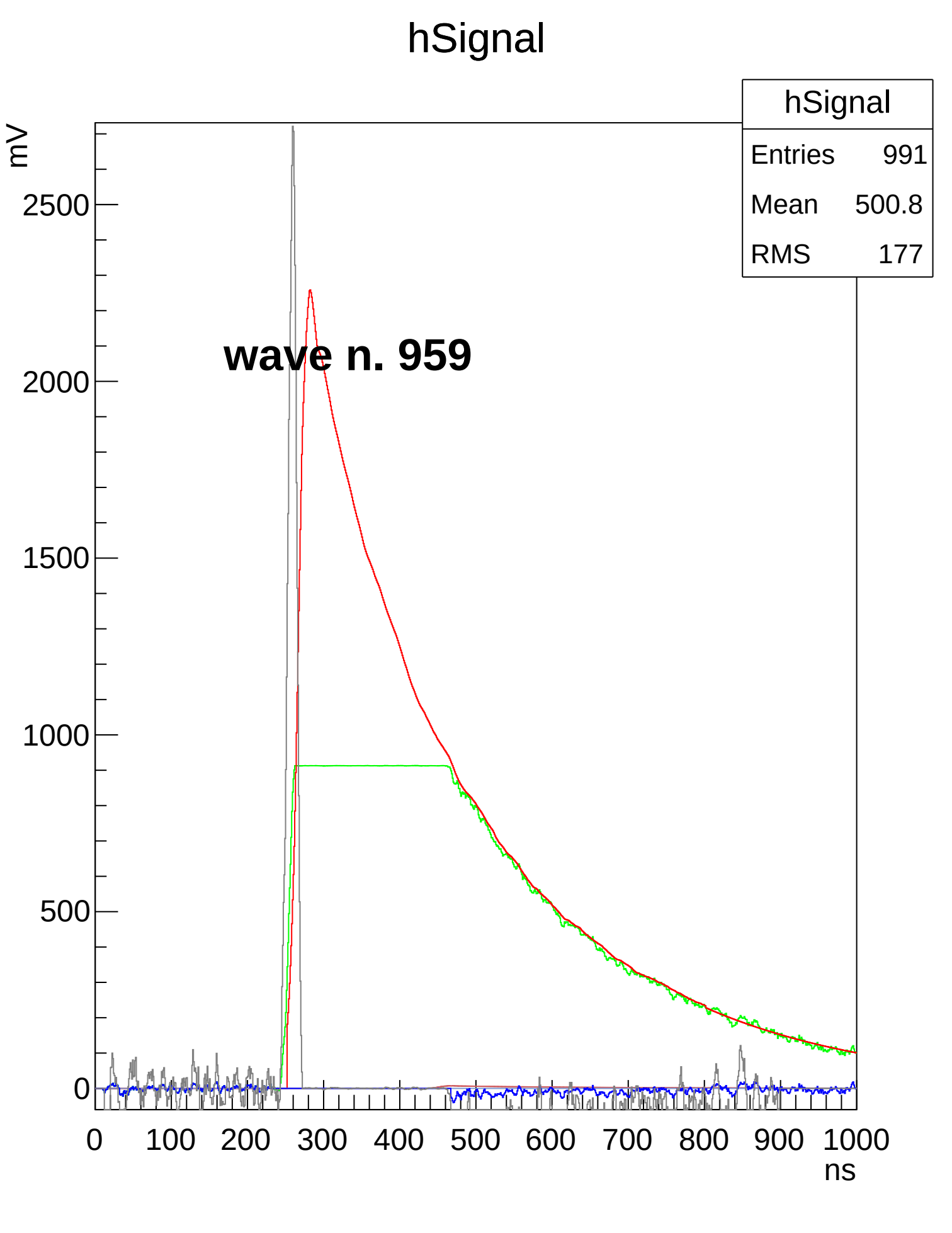

hSignal
hSignal
Entries 991
Mean 489
RMS 172.8
wave n. 954
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

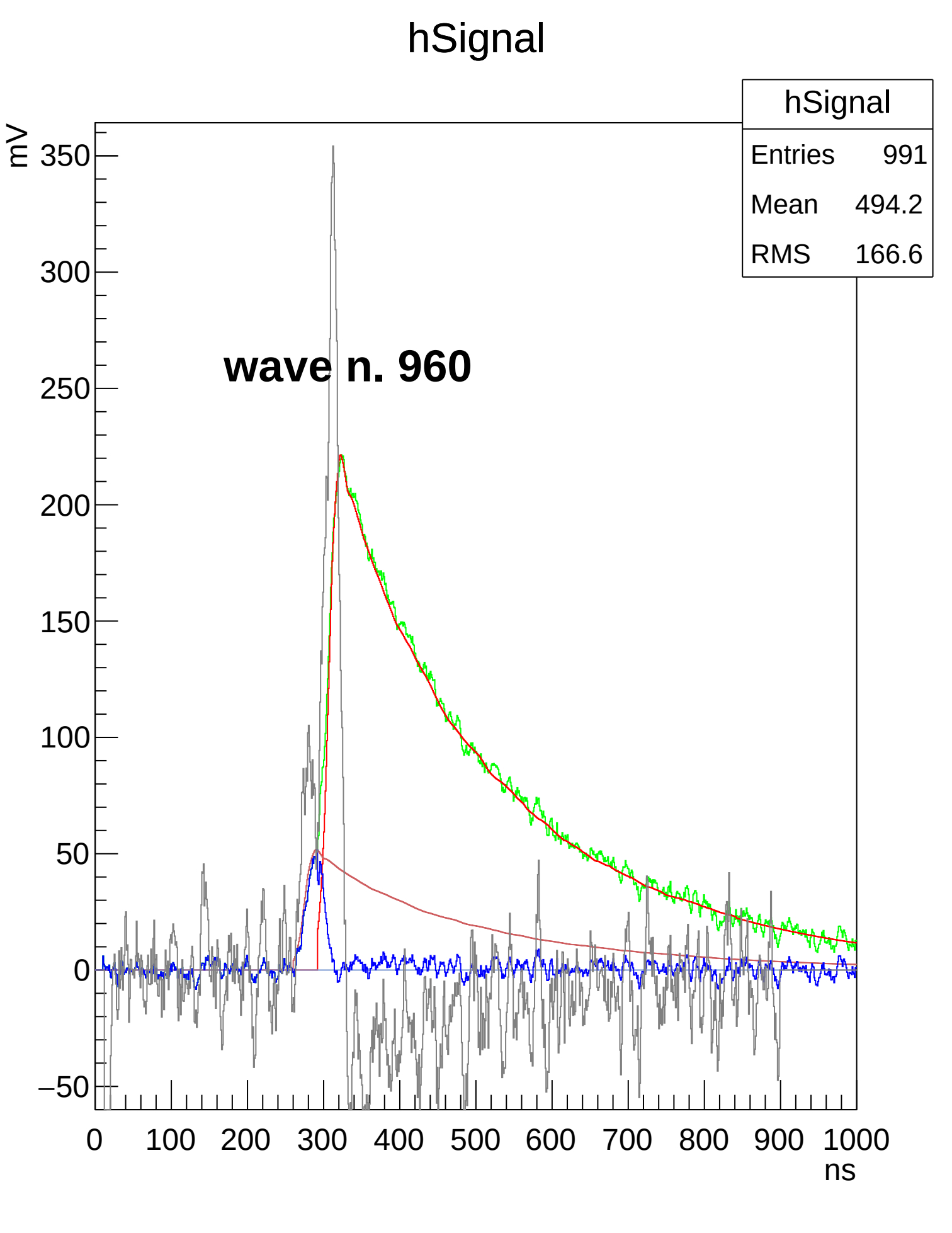

hSignal
hSignal
Entries 991
Mean 555.3
RMS 161.7
wave n. 955
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

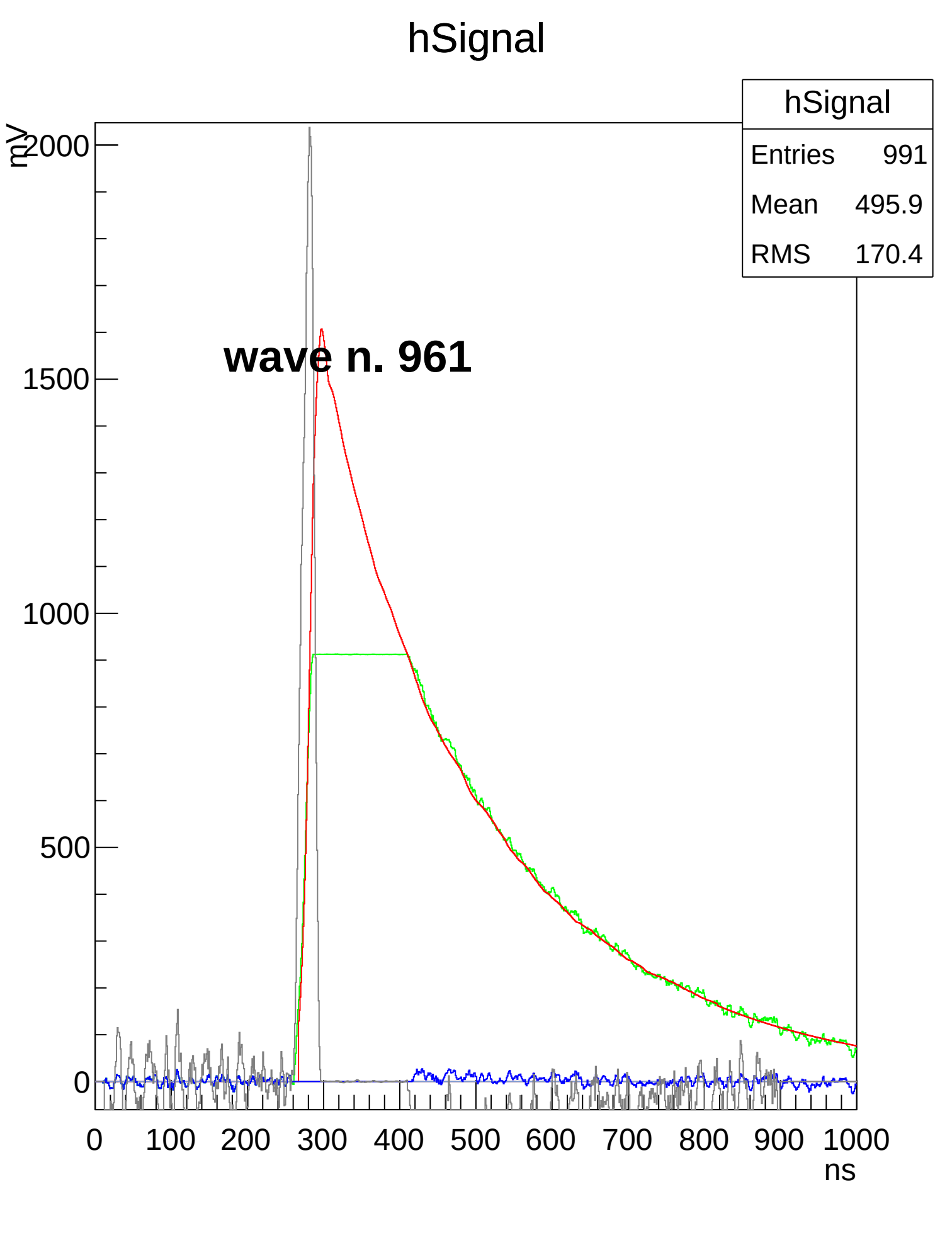

hSignal
hSignal
Entries 991
Mean 588.6
RMS 160.2
wave n. 956
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

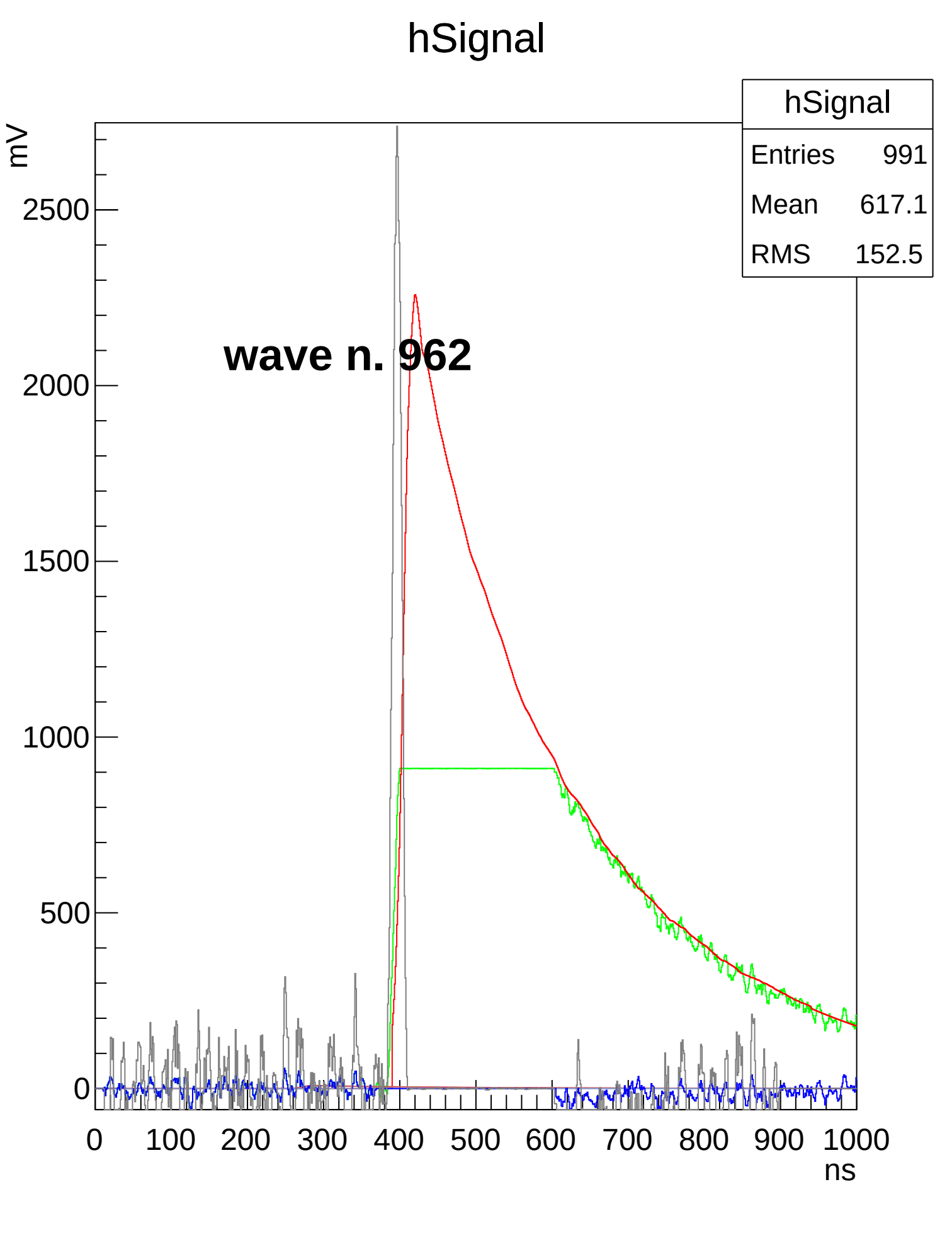

hSignal
hSignal
Entries 991
Mean 523.9
RMS 172.2
wave n. 957
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

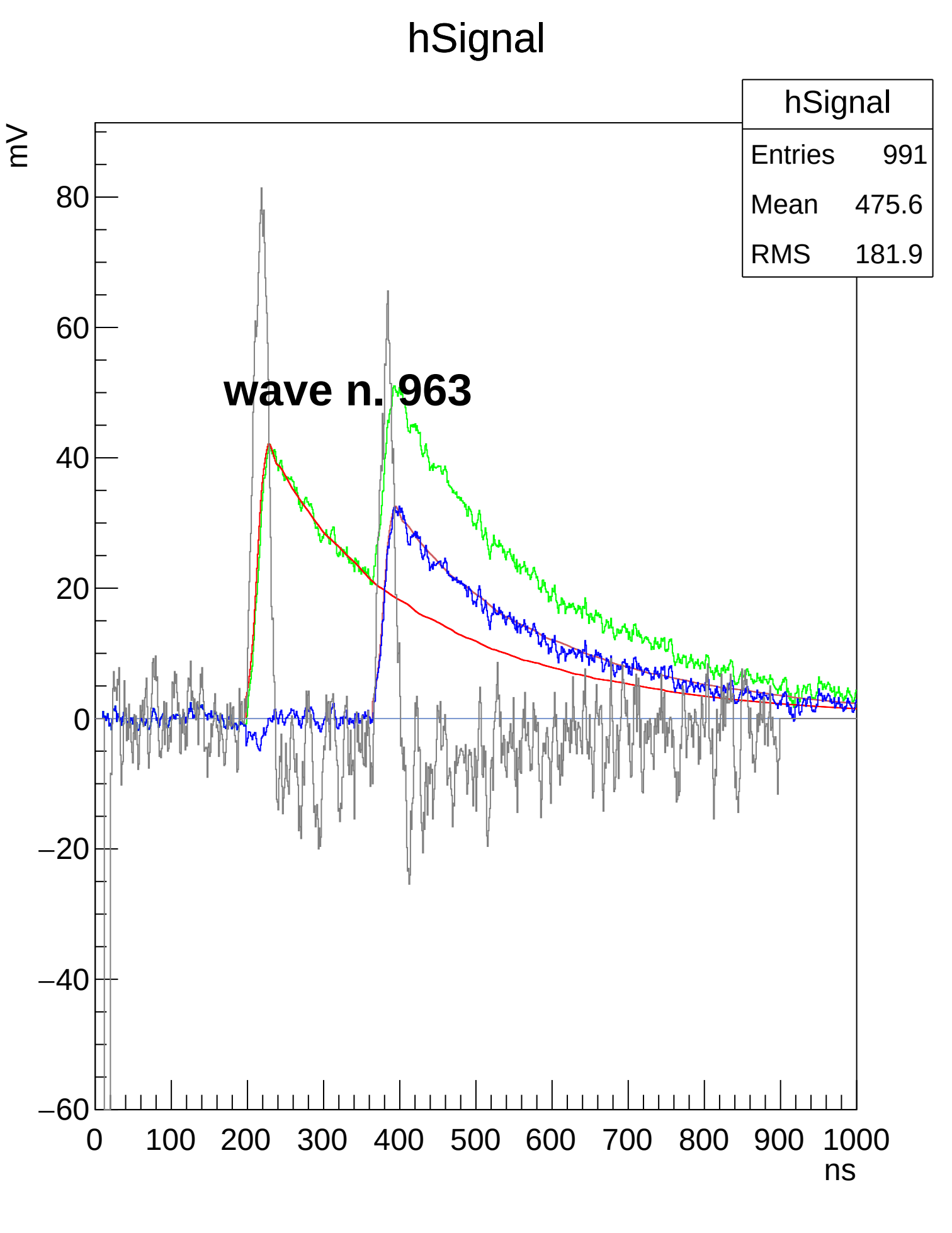

hSignal
hSignal
Entries 991
Mean 555
RMS 175.2
wave n. 958
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

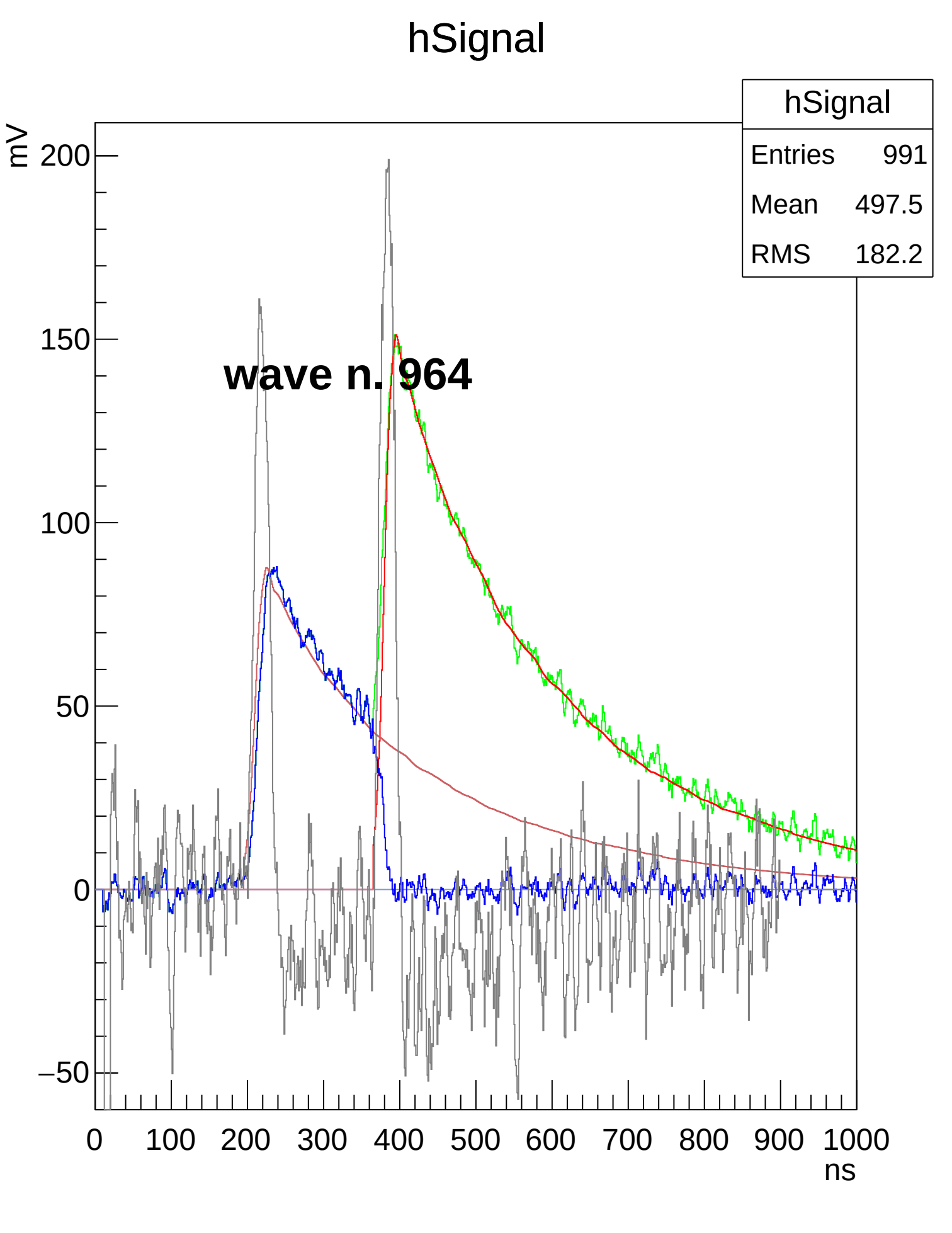

hSignal
hSignal
Entries 991
Mean 500.8
RMS 177
wave n. 959
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

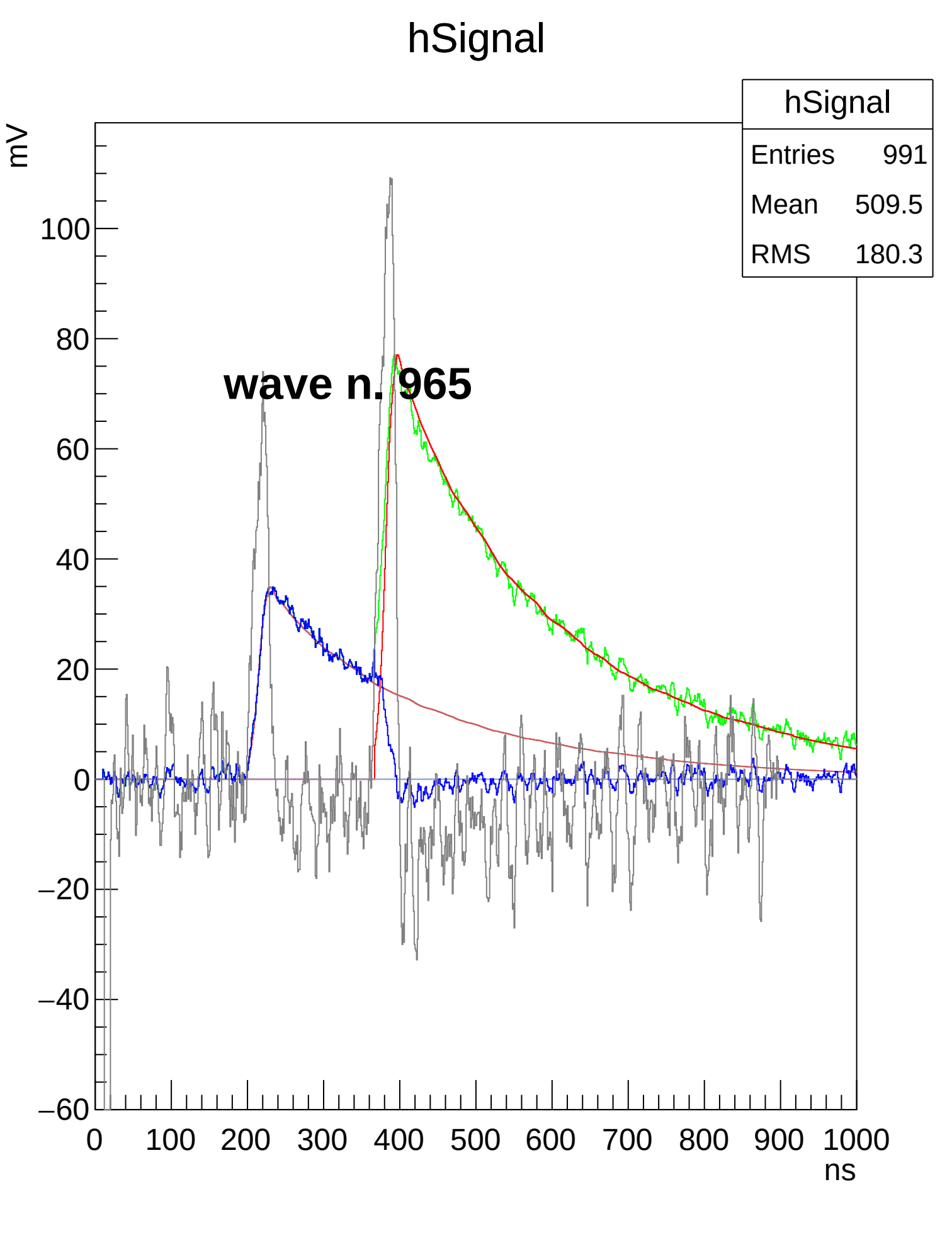

hSignal
hSignal
Entries 991
Mean 494.2
RMS 166.6
wave n. 960
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

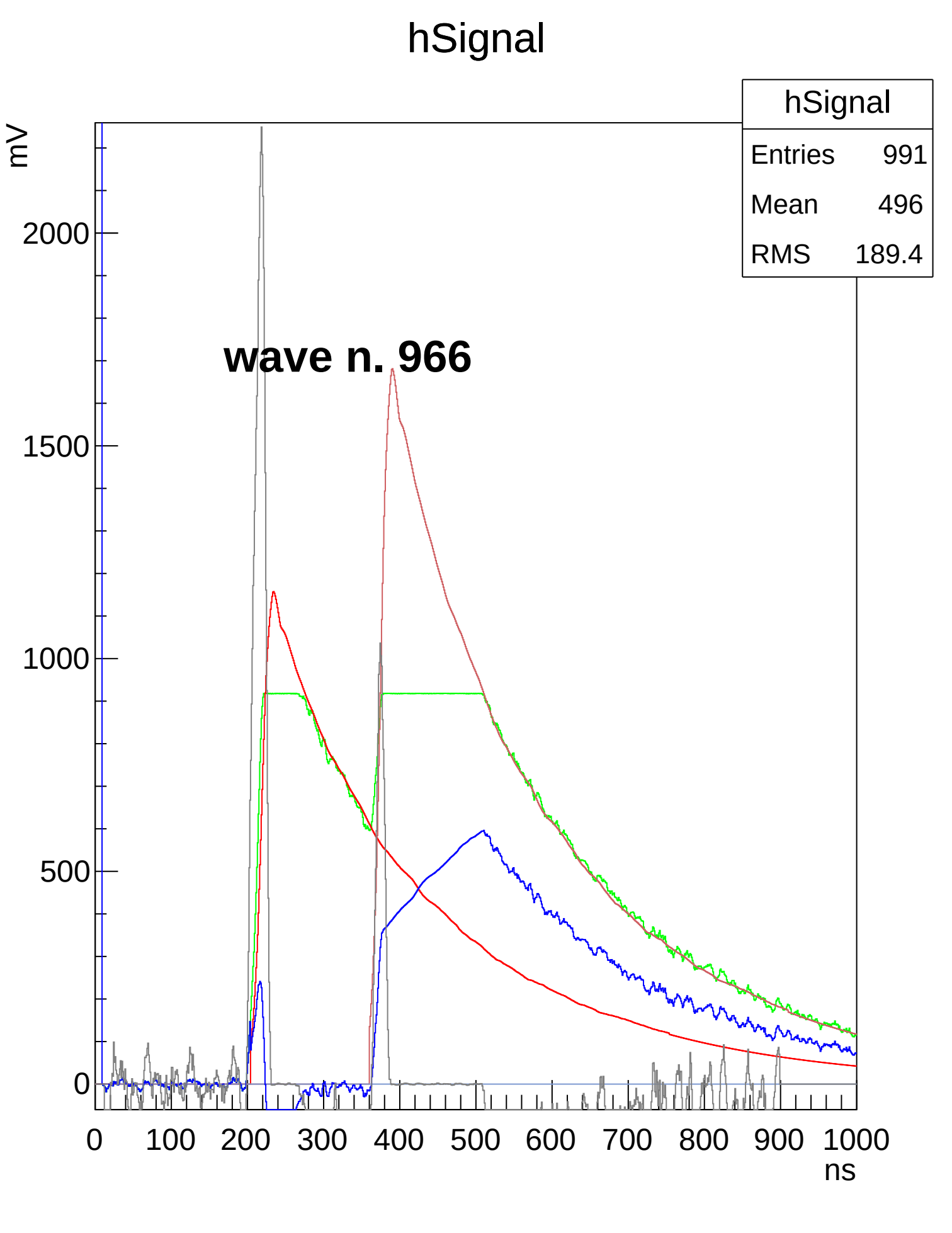

hSignal
hSignal
Entries 991
Mean 495.9
RMS 170.4
wave n. 961
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

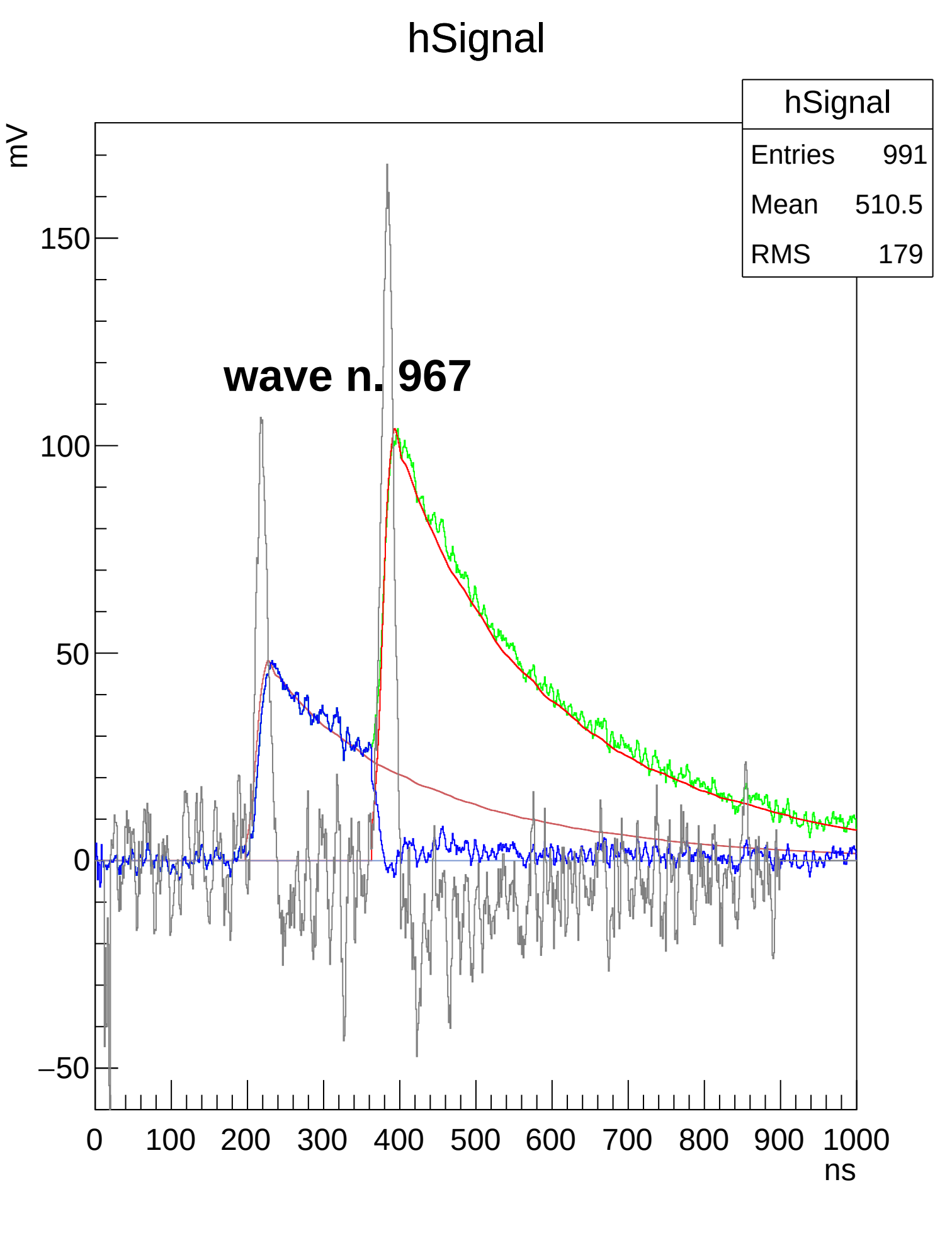

hSignal
hSignal
Entries 991
Mean 617.1
RMS 152.5
wave n. 962
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

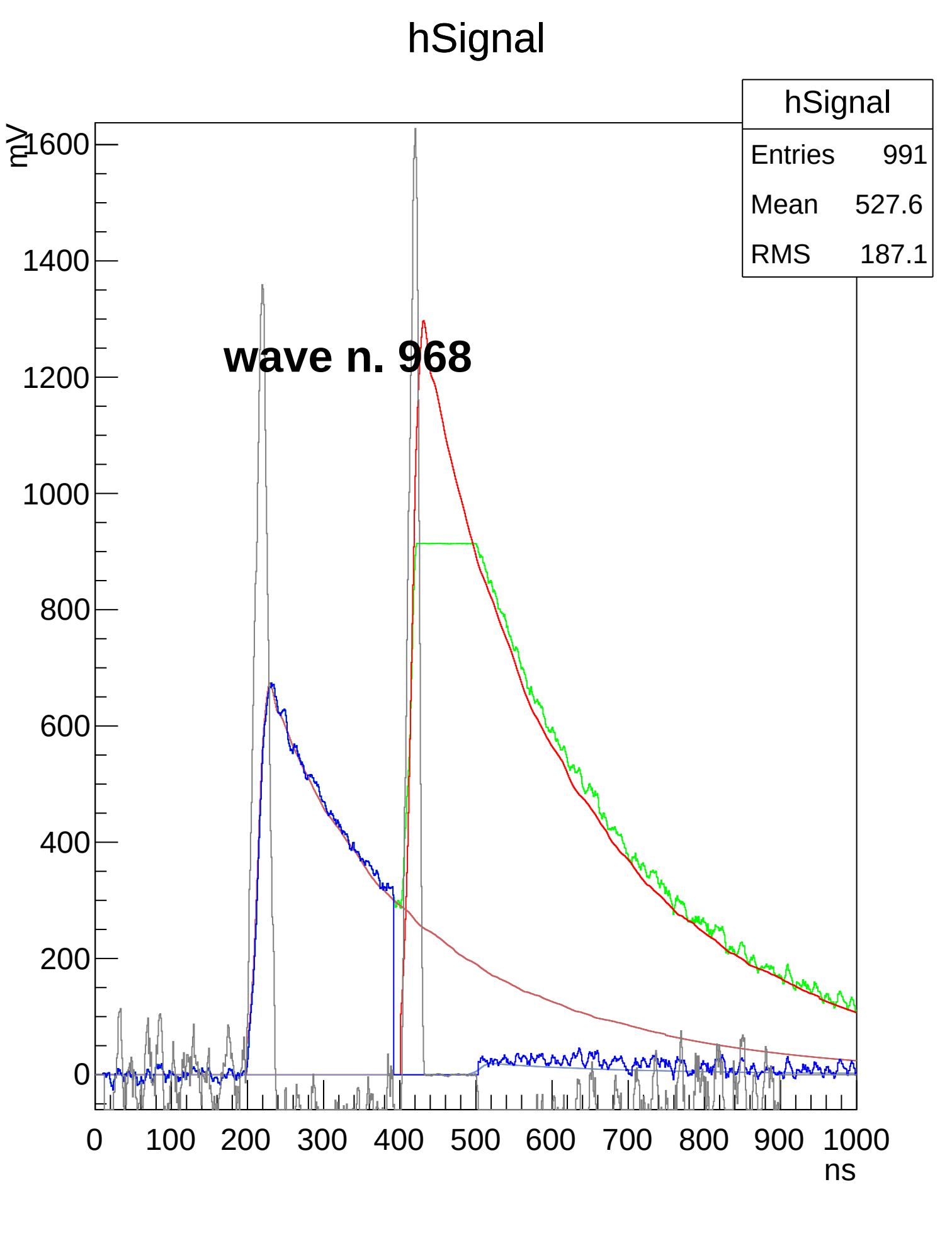

hSignal
hSignal
Entries 991
Mean 475.6
RMS 181.9
wave n. 963
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

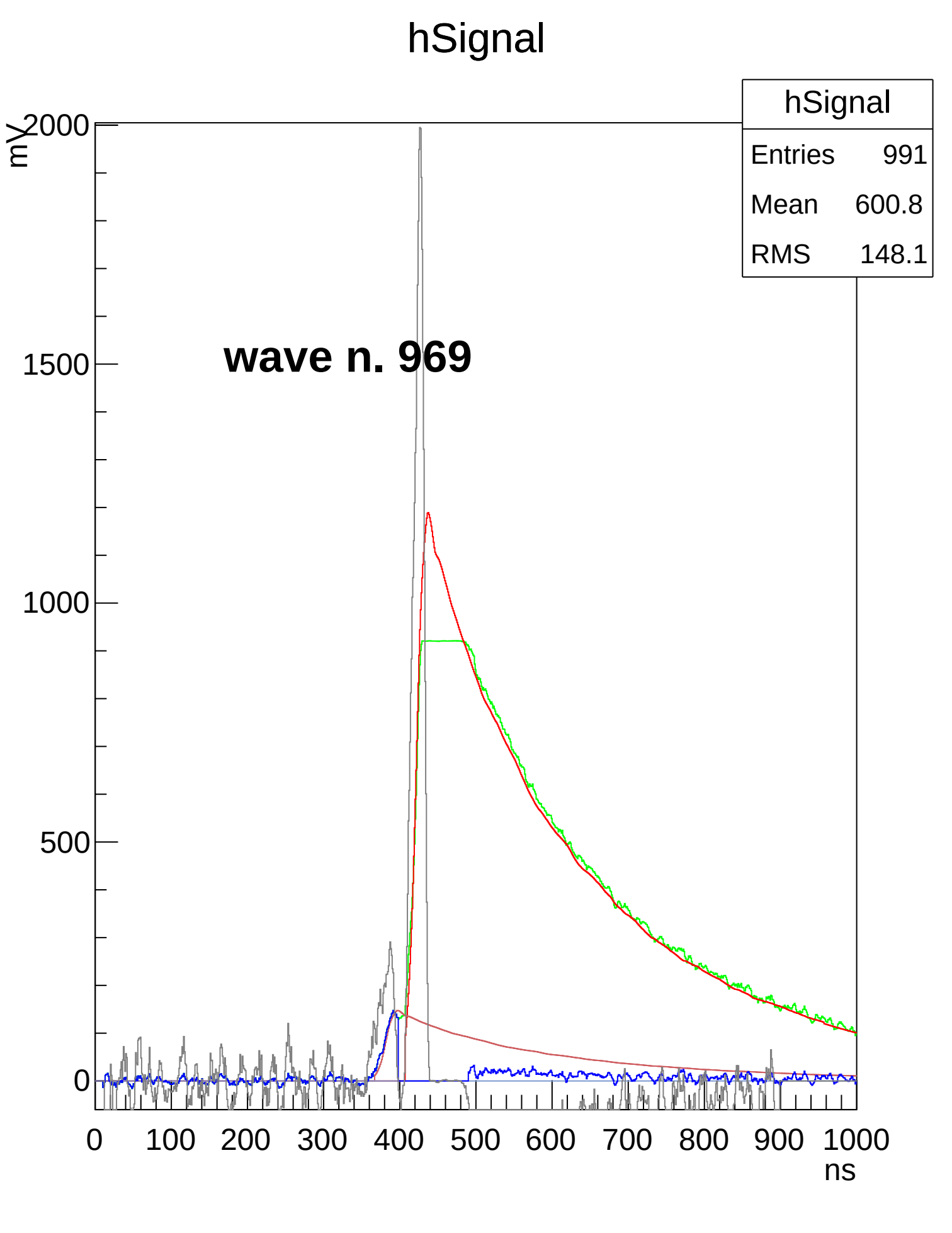

hSignal
hSignal
Entries 991
Mean 497.5
RMS 182.2
wave n. 964
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

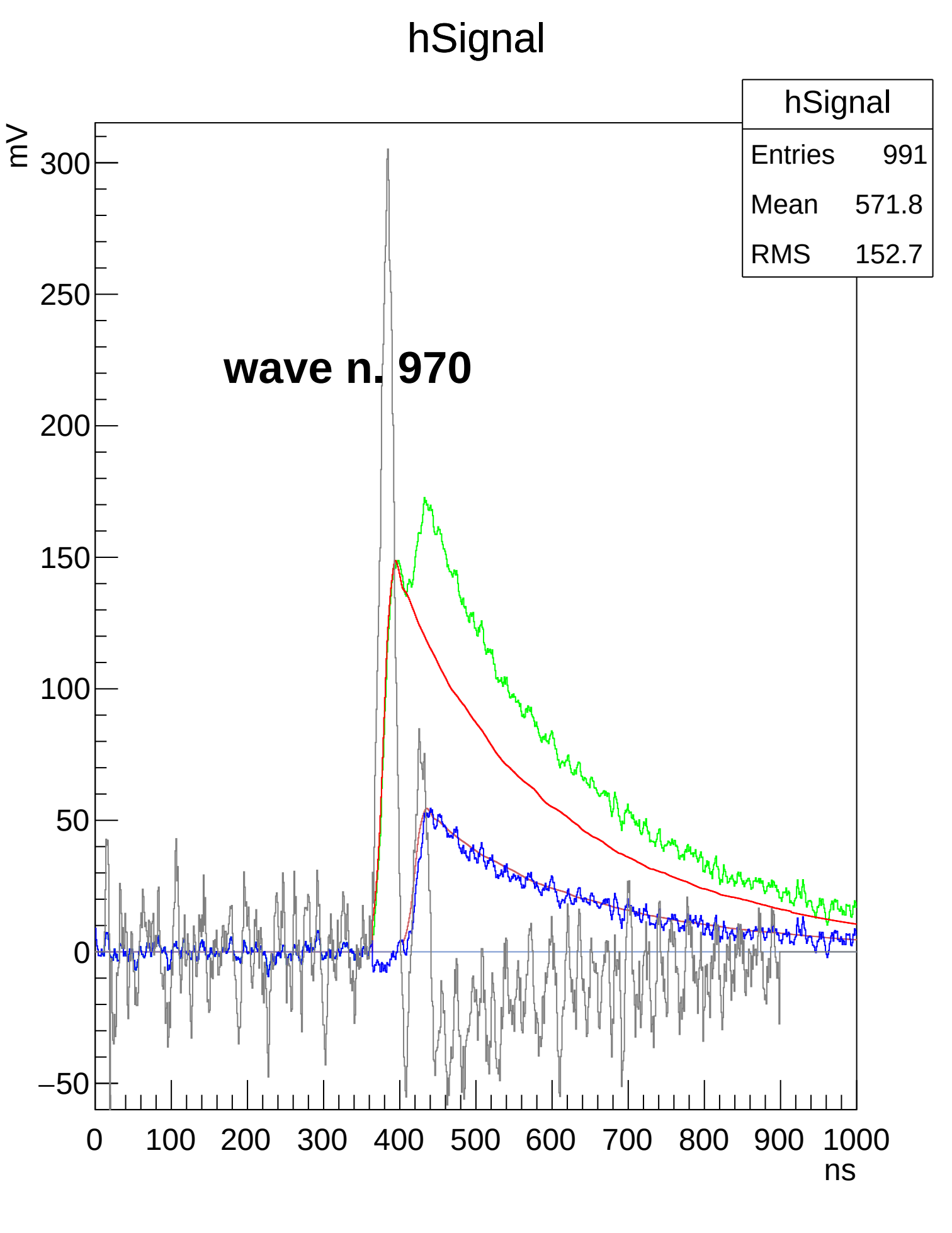

hSignal
hSignal
Entries 991
Mean 509.5
RMS 180.3
wave n. 965
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

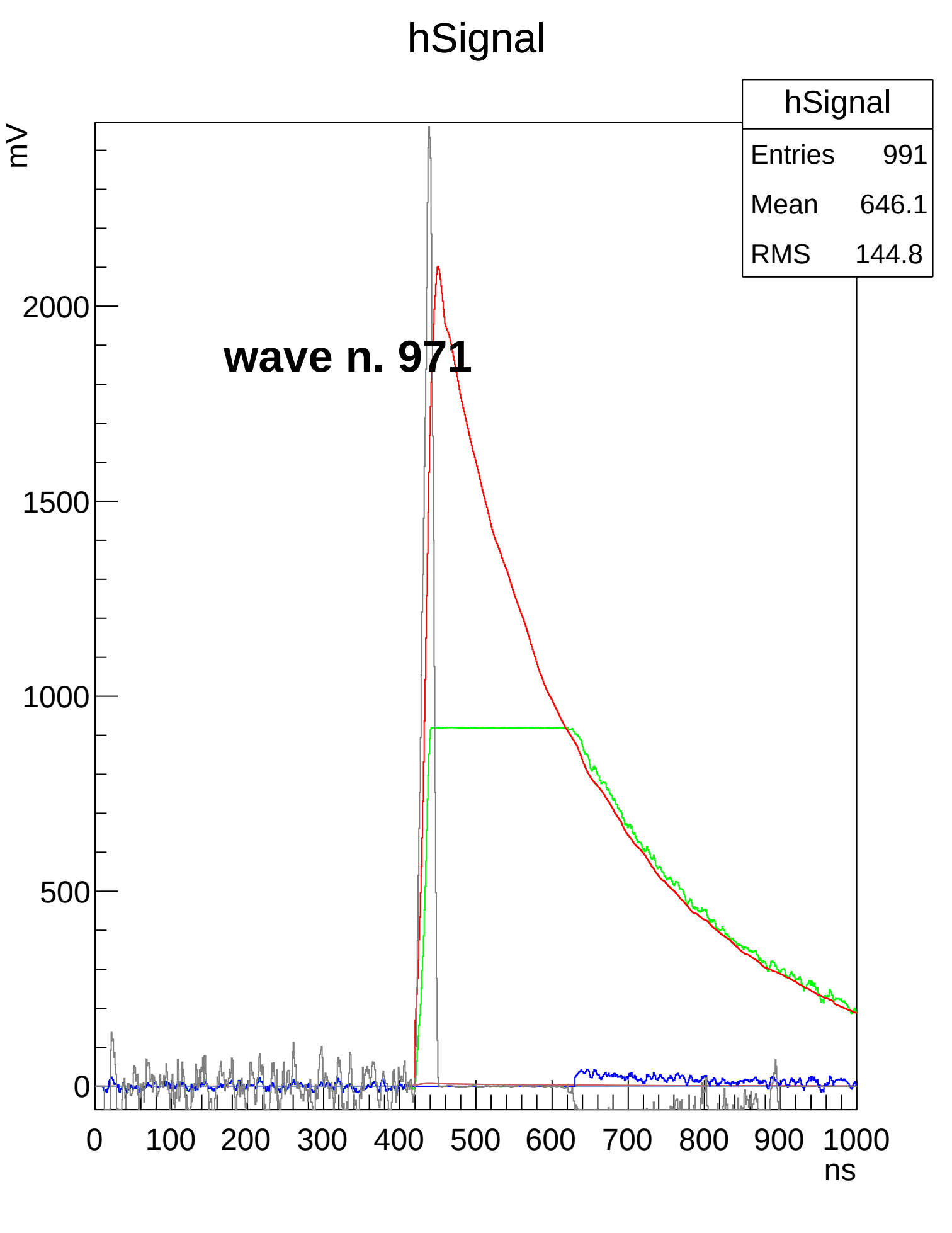

hSignal
hSignal
Entries 991
Mean 496
RMS 189.4
wave n. 966
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

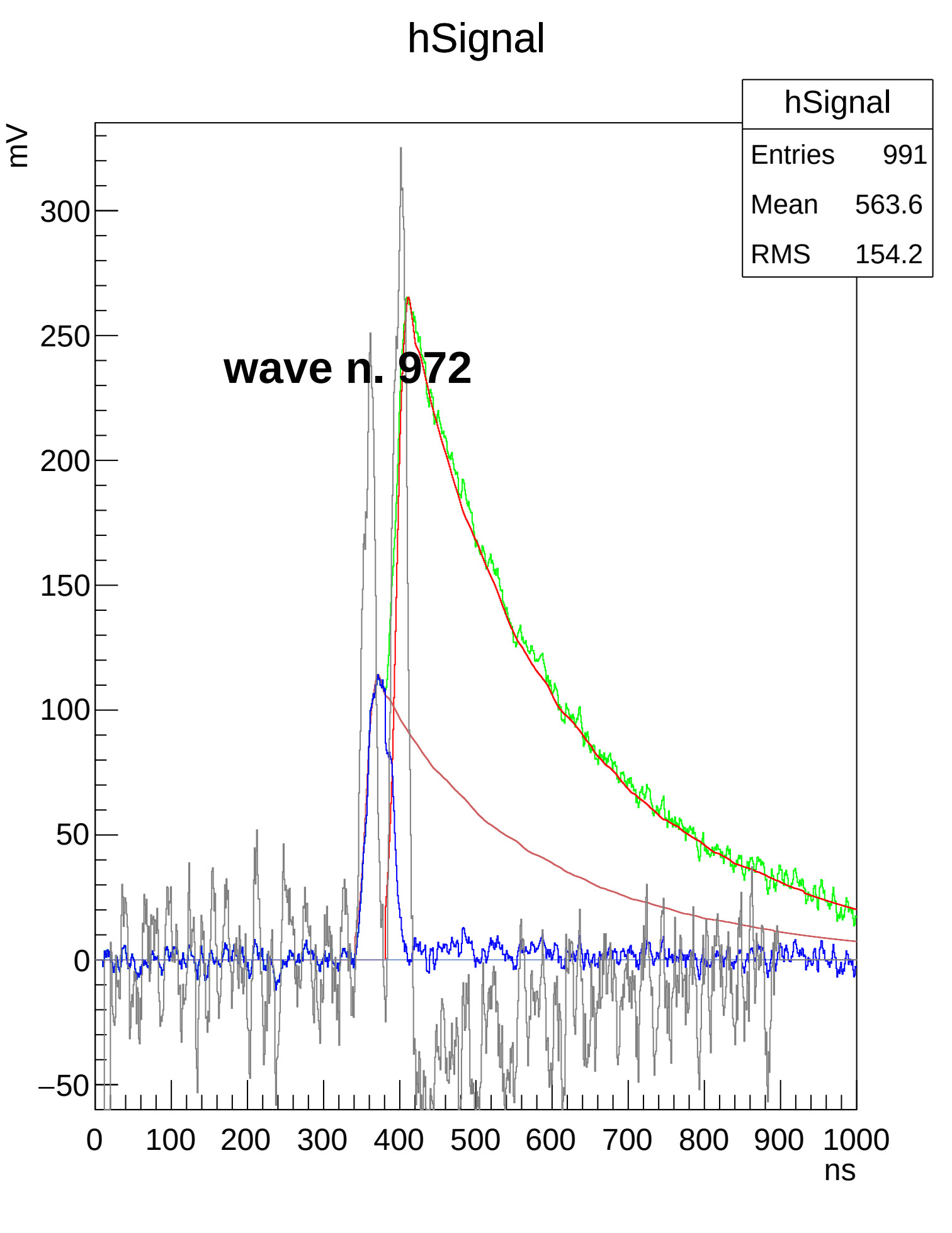

hSignal
hSignal
Entries 991
Mean 510.5
RMS 179
wave n. 967
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

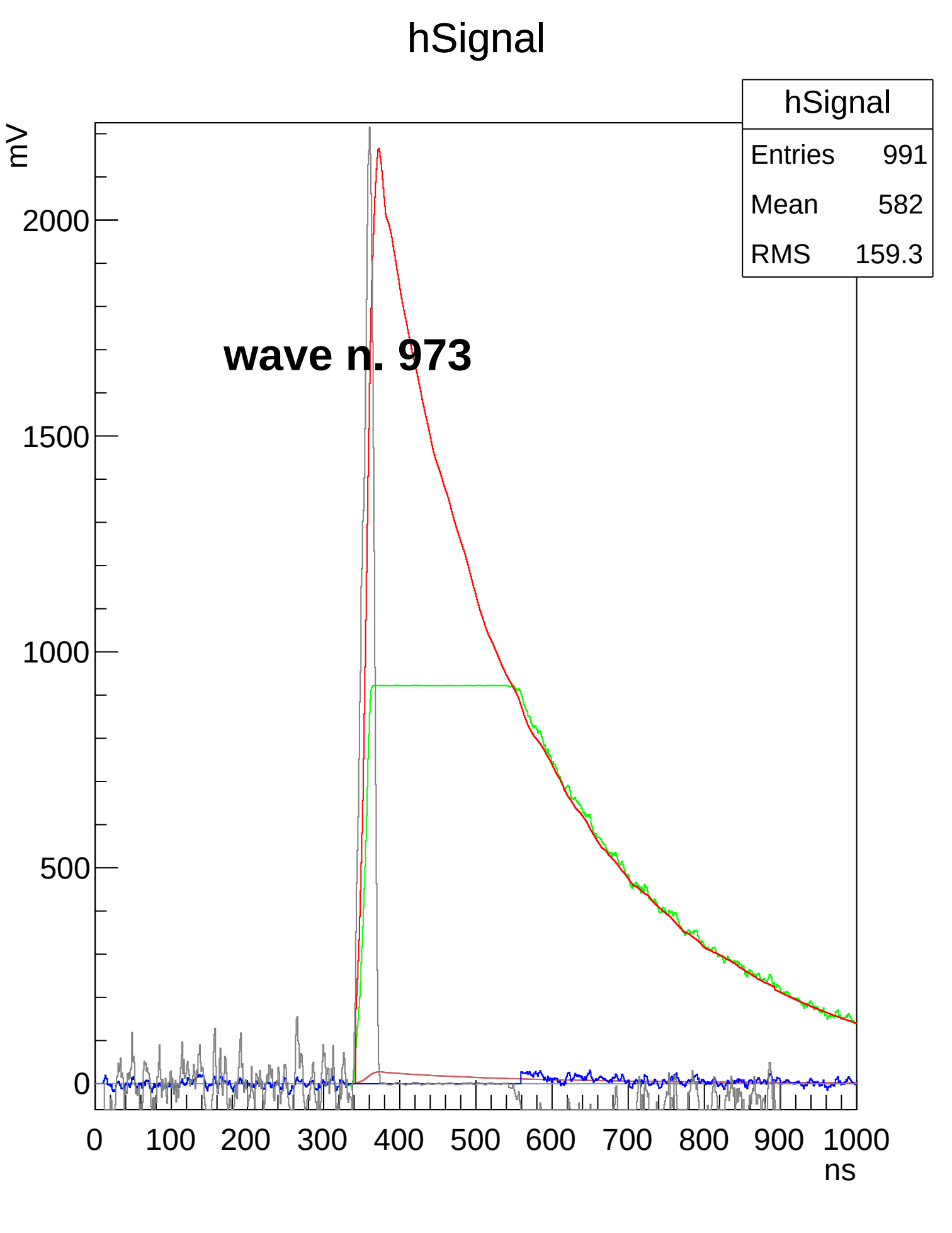

hSignal
hSignal
Entries 991
Mean 527.6
RMS 187.1
wave n. 968
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

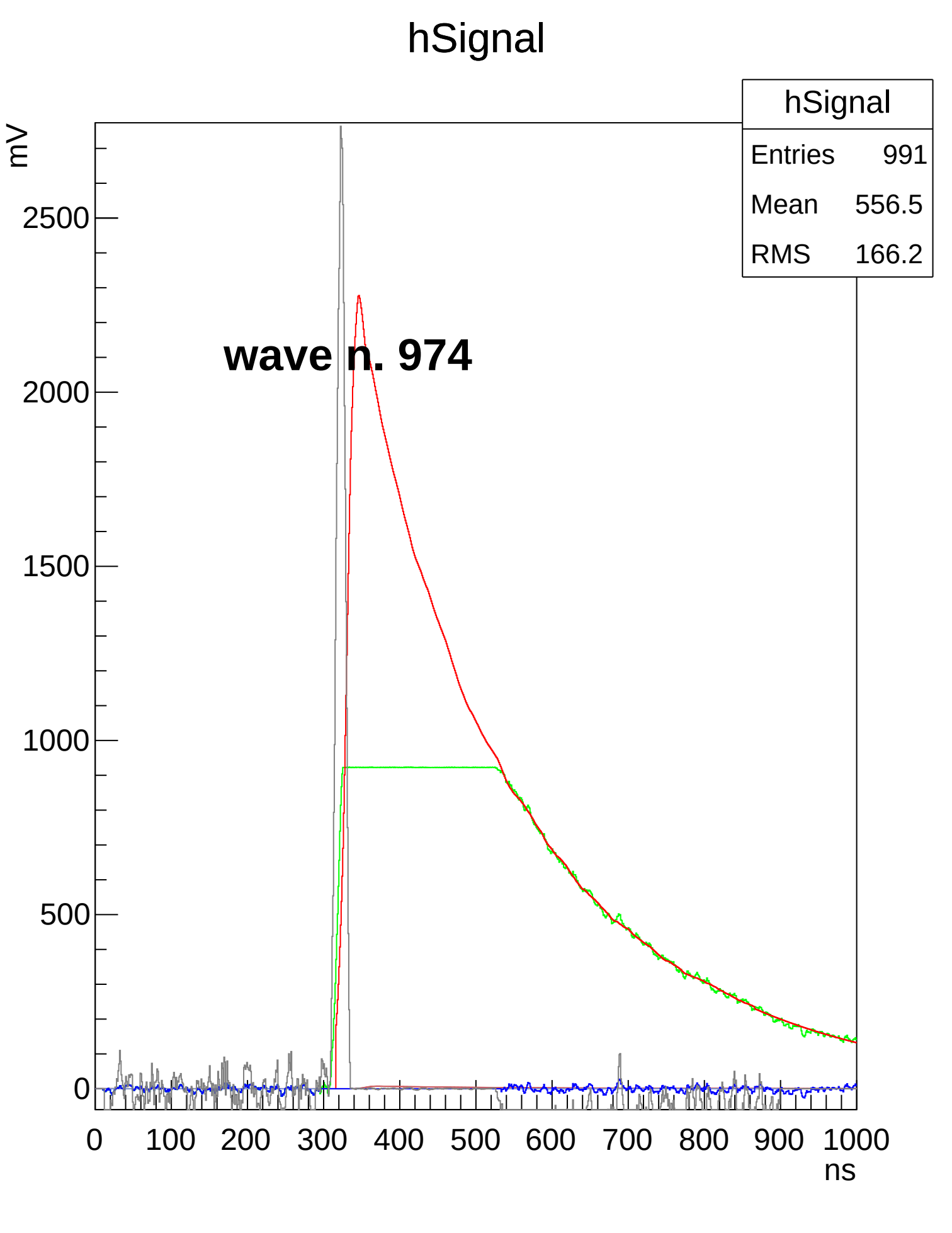

hSignal
hSignal
Entries 991
Mean 600.8
RMS 148.1
wave n. 969
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

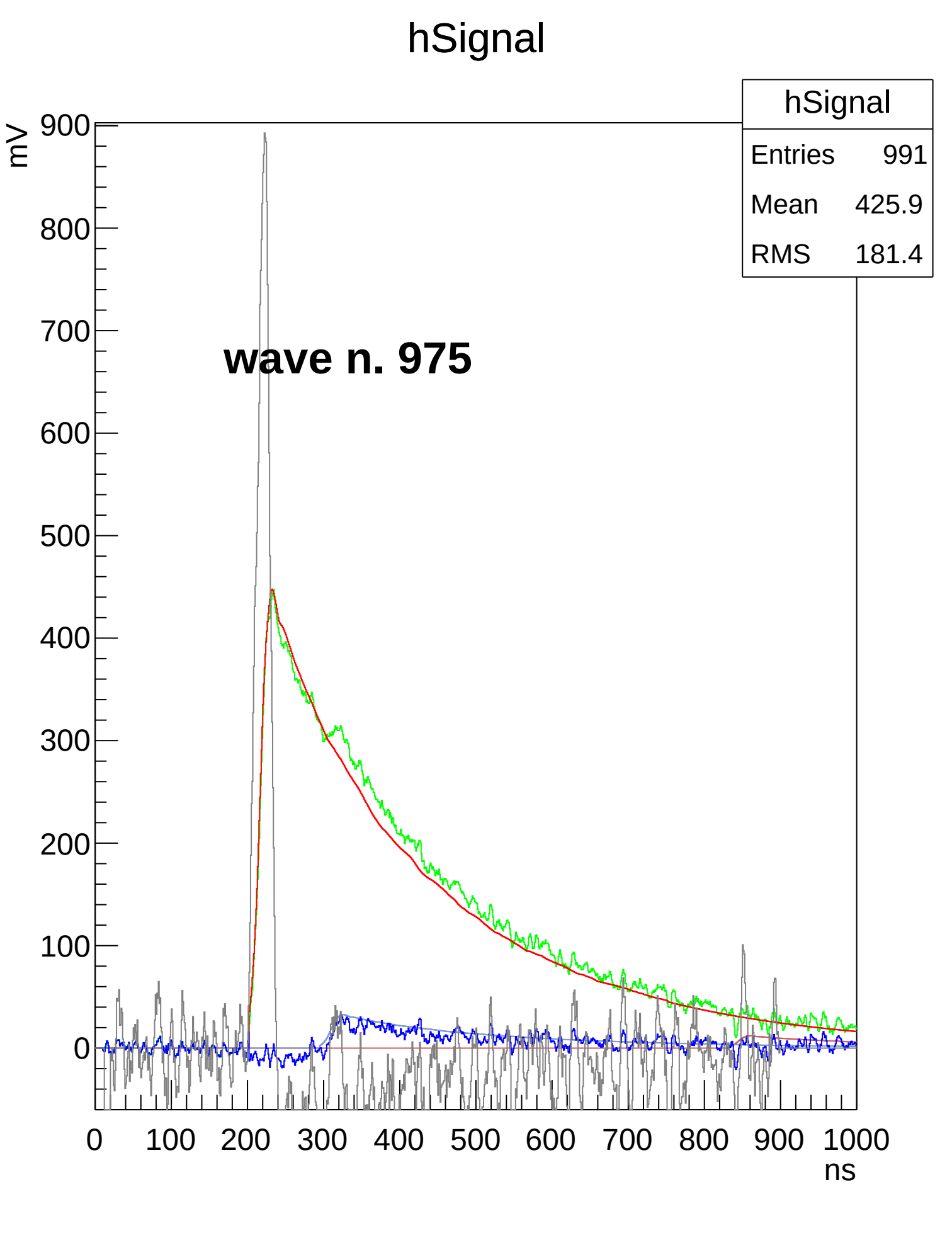

hSignal
hSignal
Entries 991
Mean 571.8
RMS 152.7
wave n. 970
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

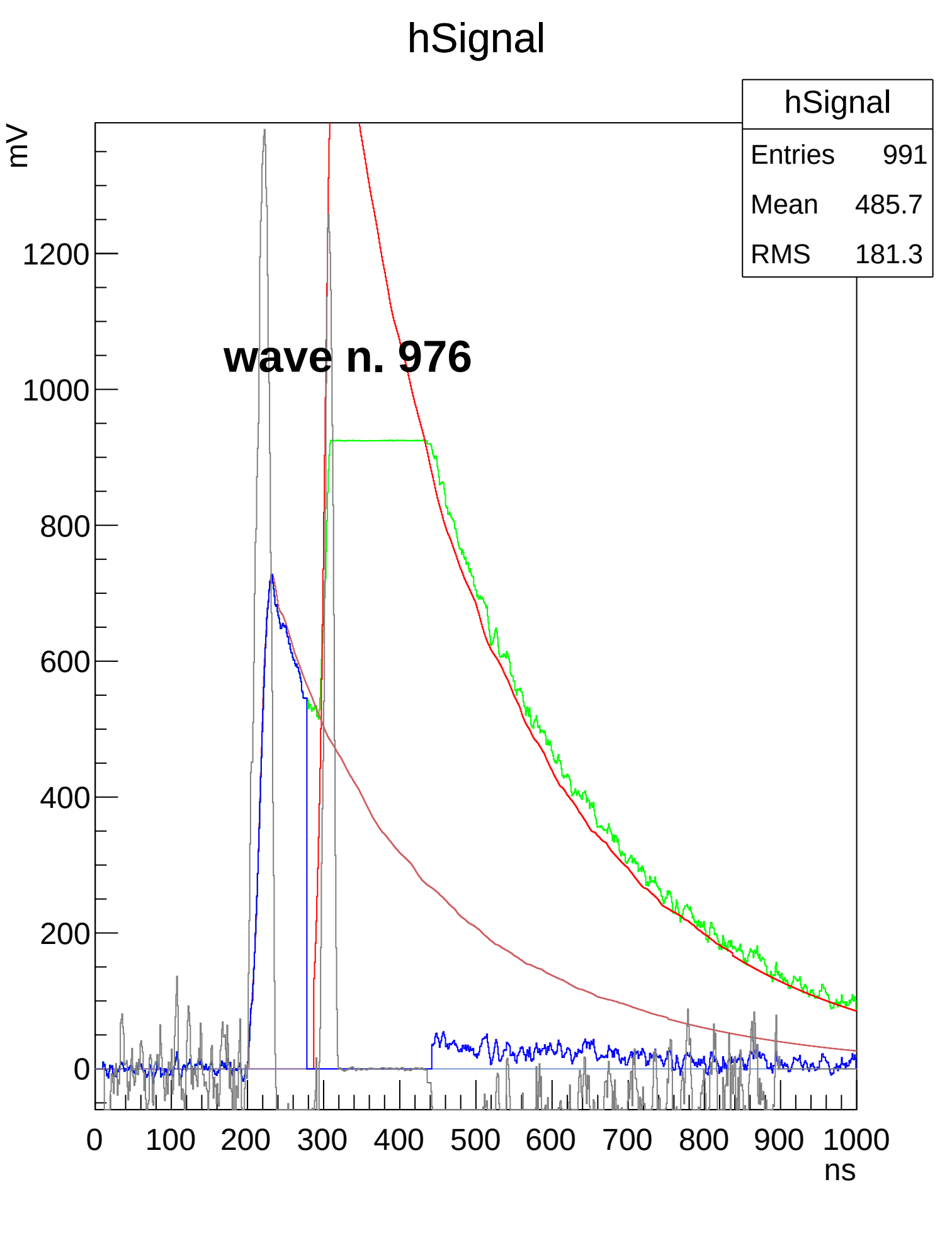

hSignal
hSignal
Entries 991
Mean 646.1
RMS 144.8
wave n. 971
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

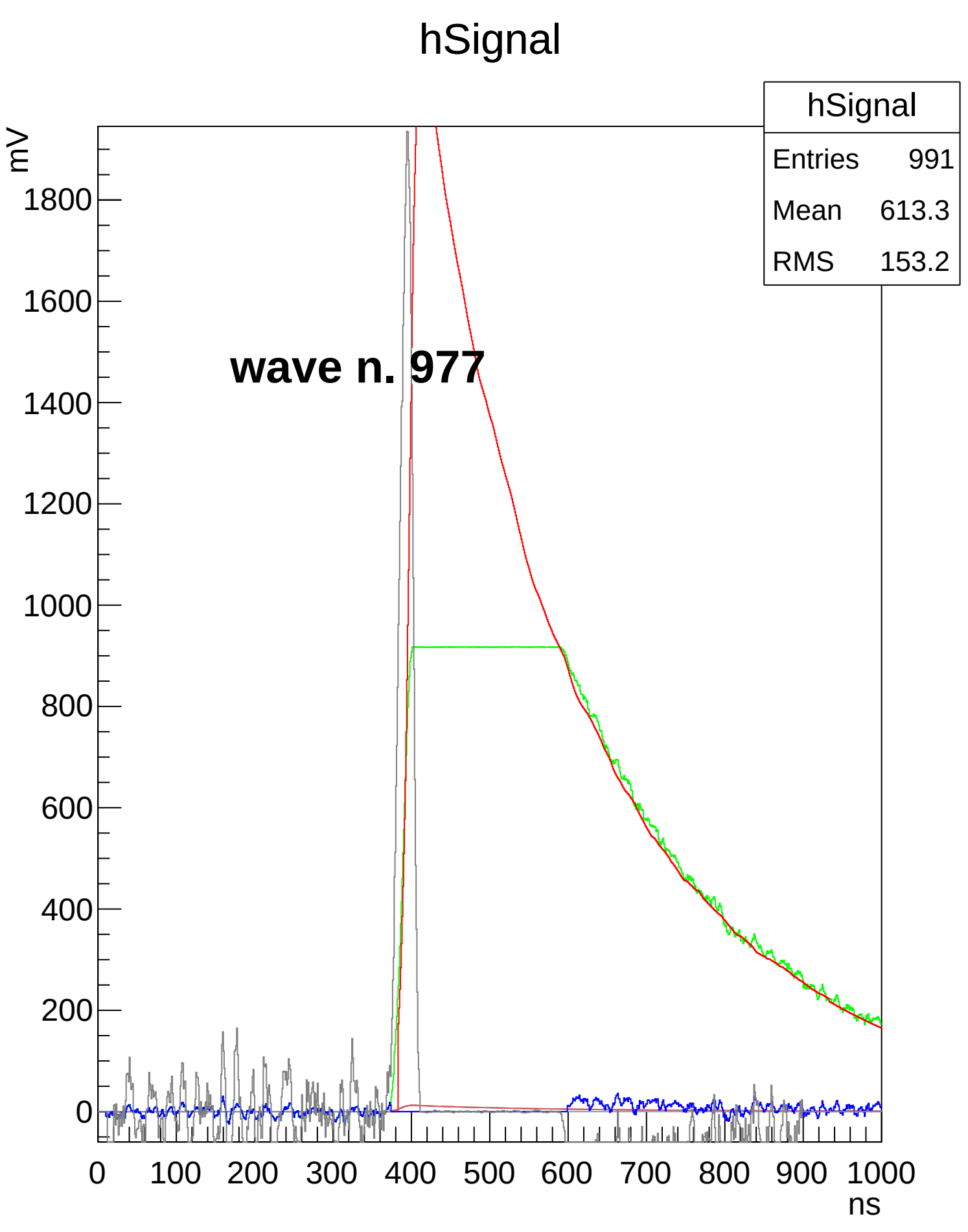

hSignal
hSignal
Entries 991
Mean 563.6
RMS 154.2
wave n. 972
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

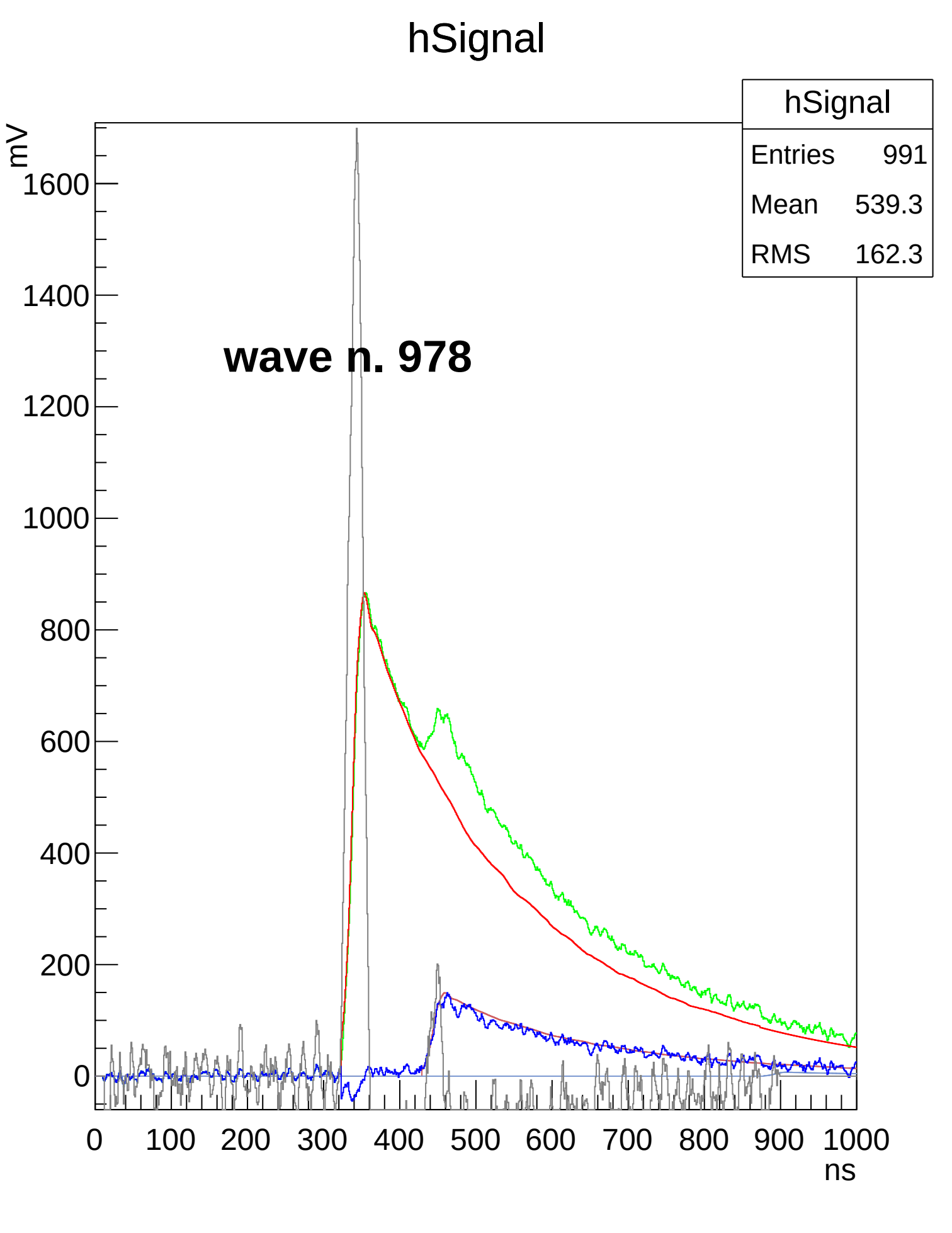

hSignal
hSignal
Entries 991
Mean 582
RMS 159.3
wave n. 973
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

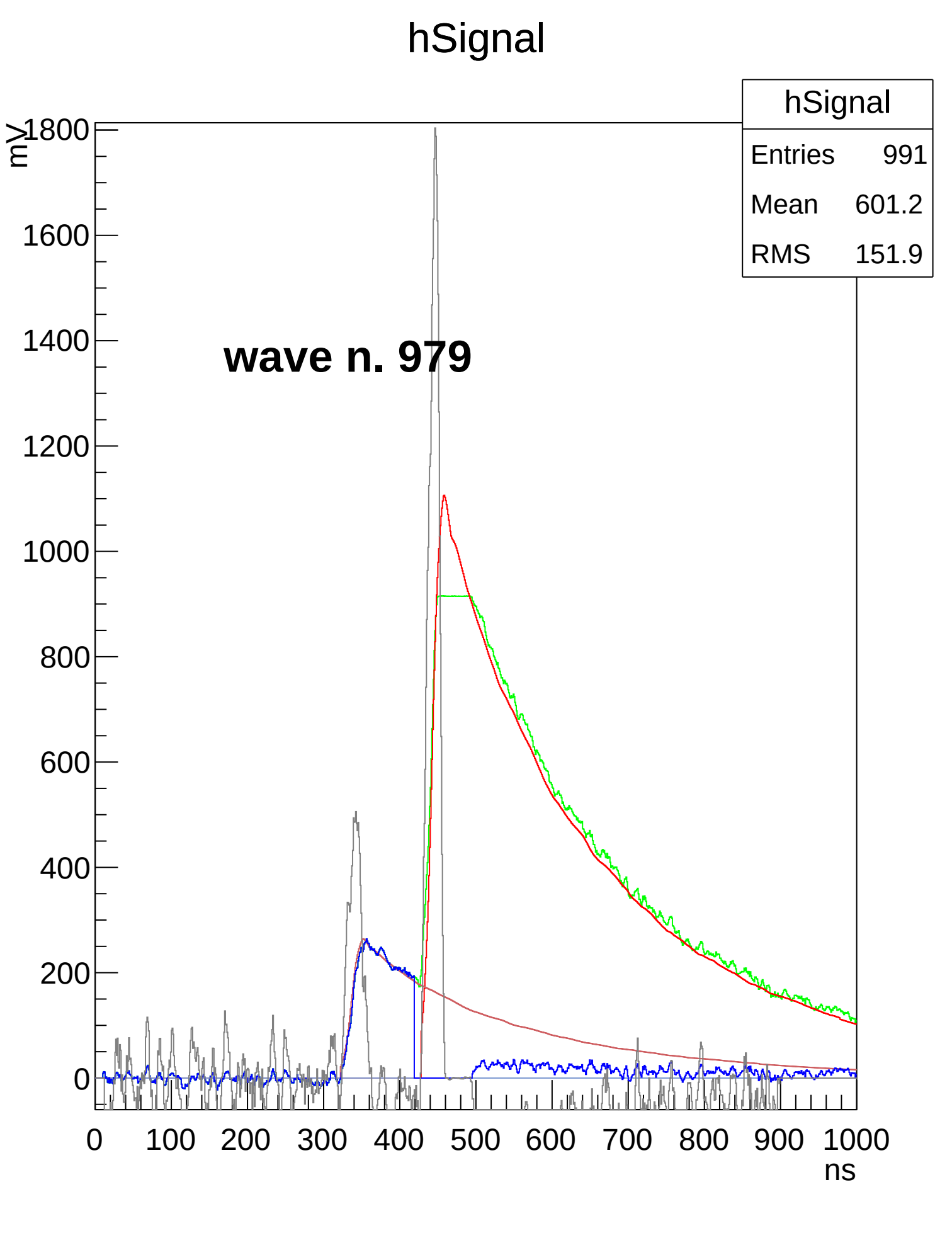

hSignal
hSignal
Entries 991
Mean 556.5
RMS 166.2
wave n. 974
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

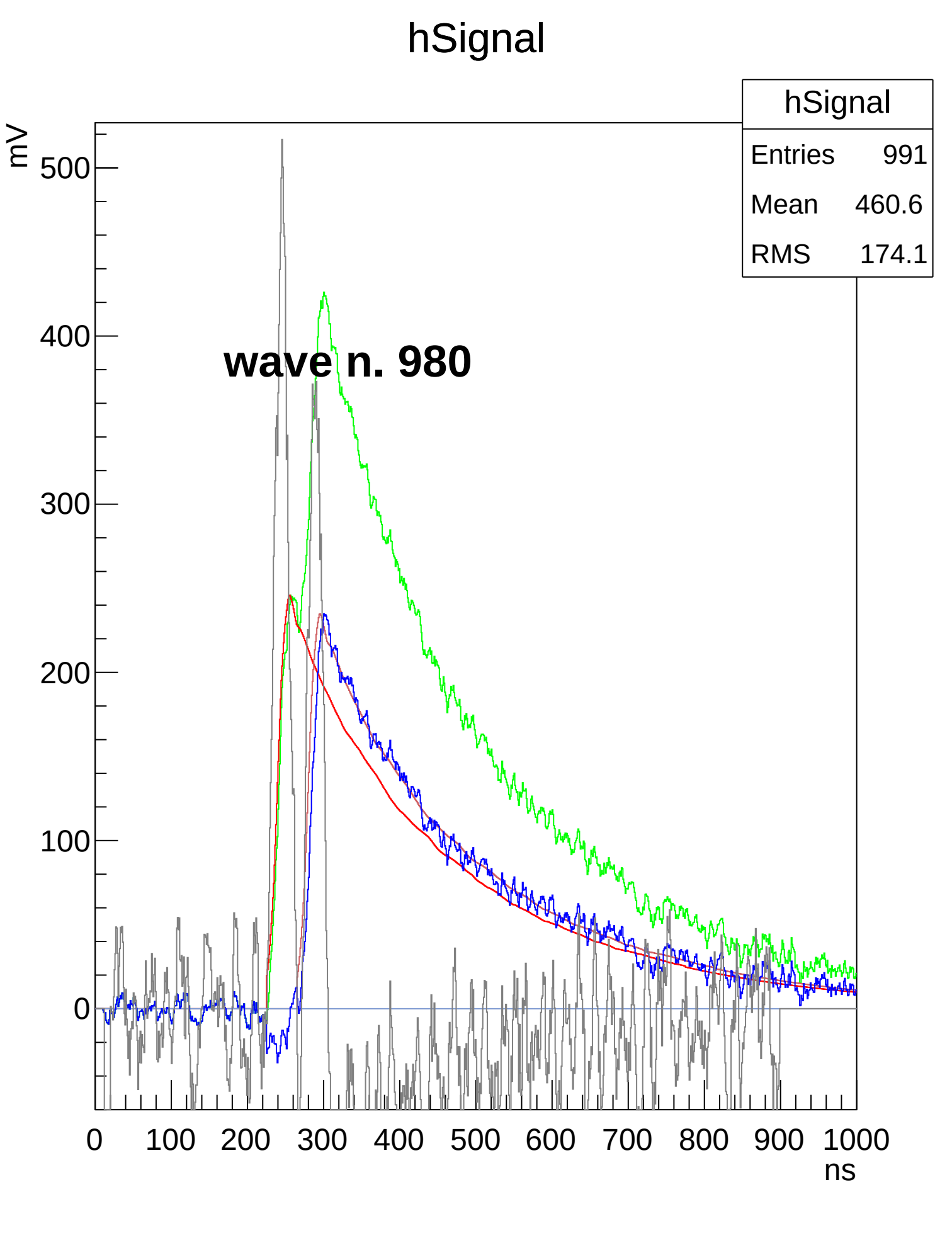

hSignal
hSignal
Entries 991
Mean 425.9
RMS 181.4
wave n. 975
mV
900
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

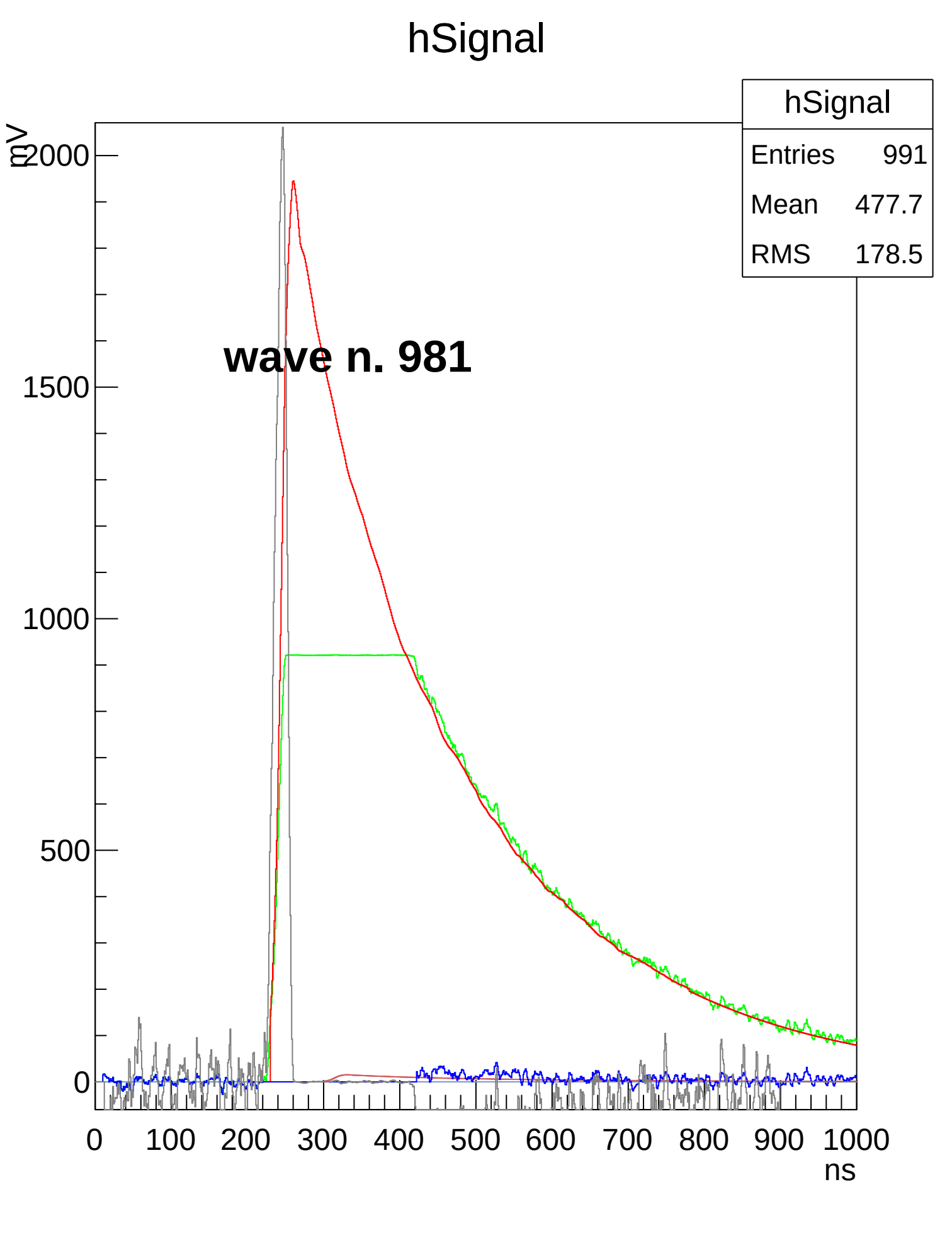

hSignal
hSignal
Entries 991
Mean 485.7
RMS 181.3
wave n. 976
mV
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

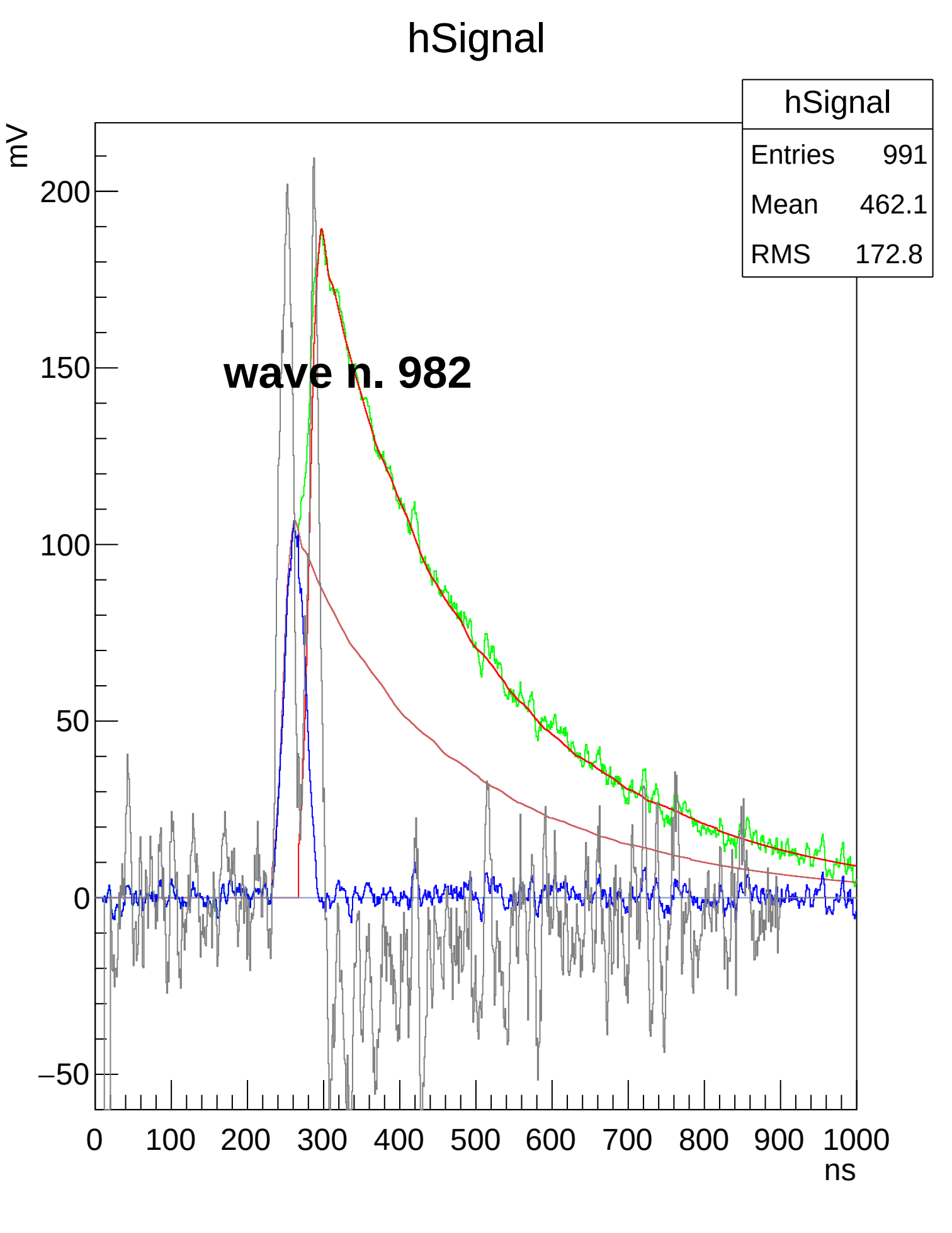

hSignal
hSignal
Entries 991
Mean 613.3
RMS 153.2
wave n. 977
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

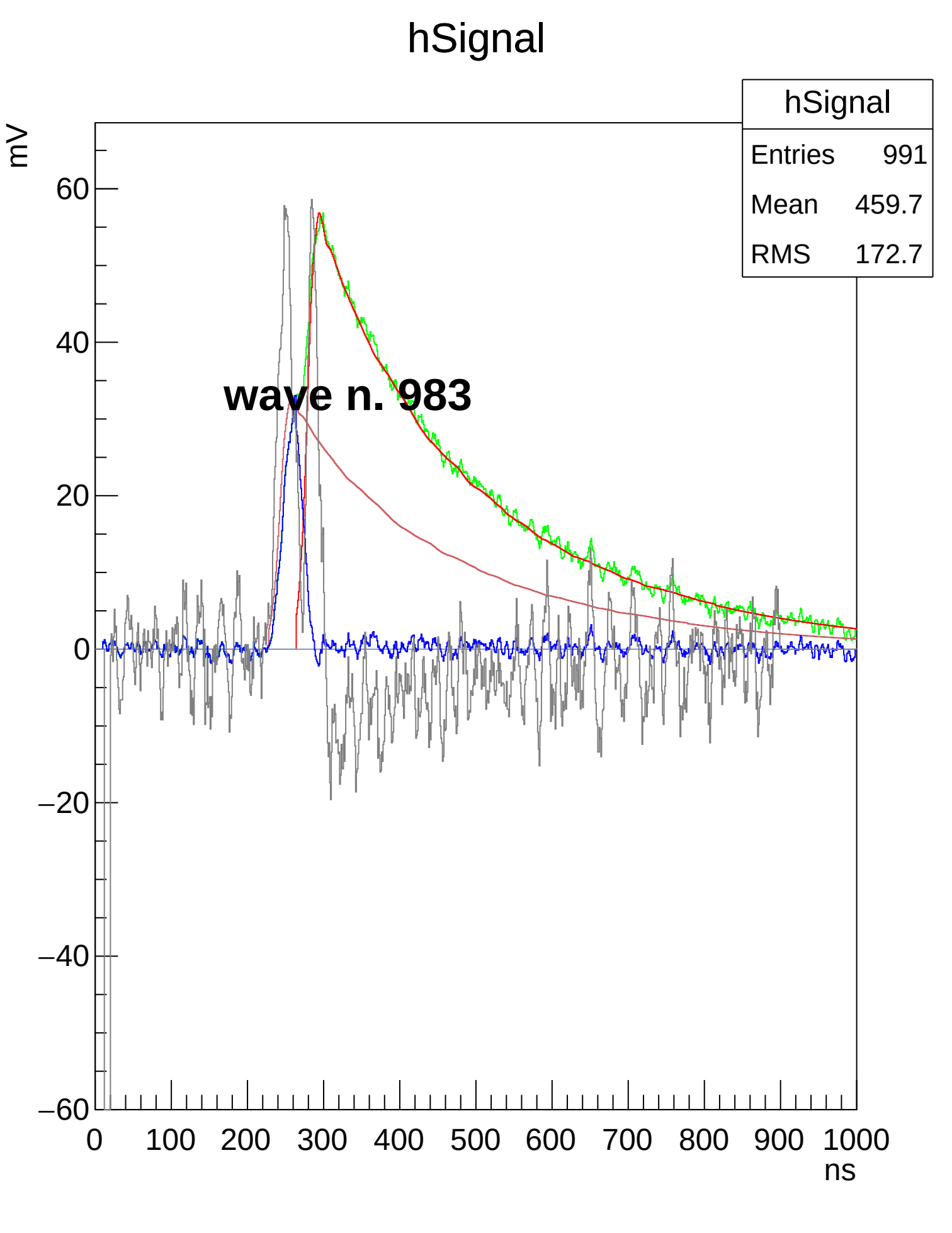

hSignal
hSignal
Entries 991
Mean 539.3
RMS 162.3
wave n. 978
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

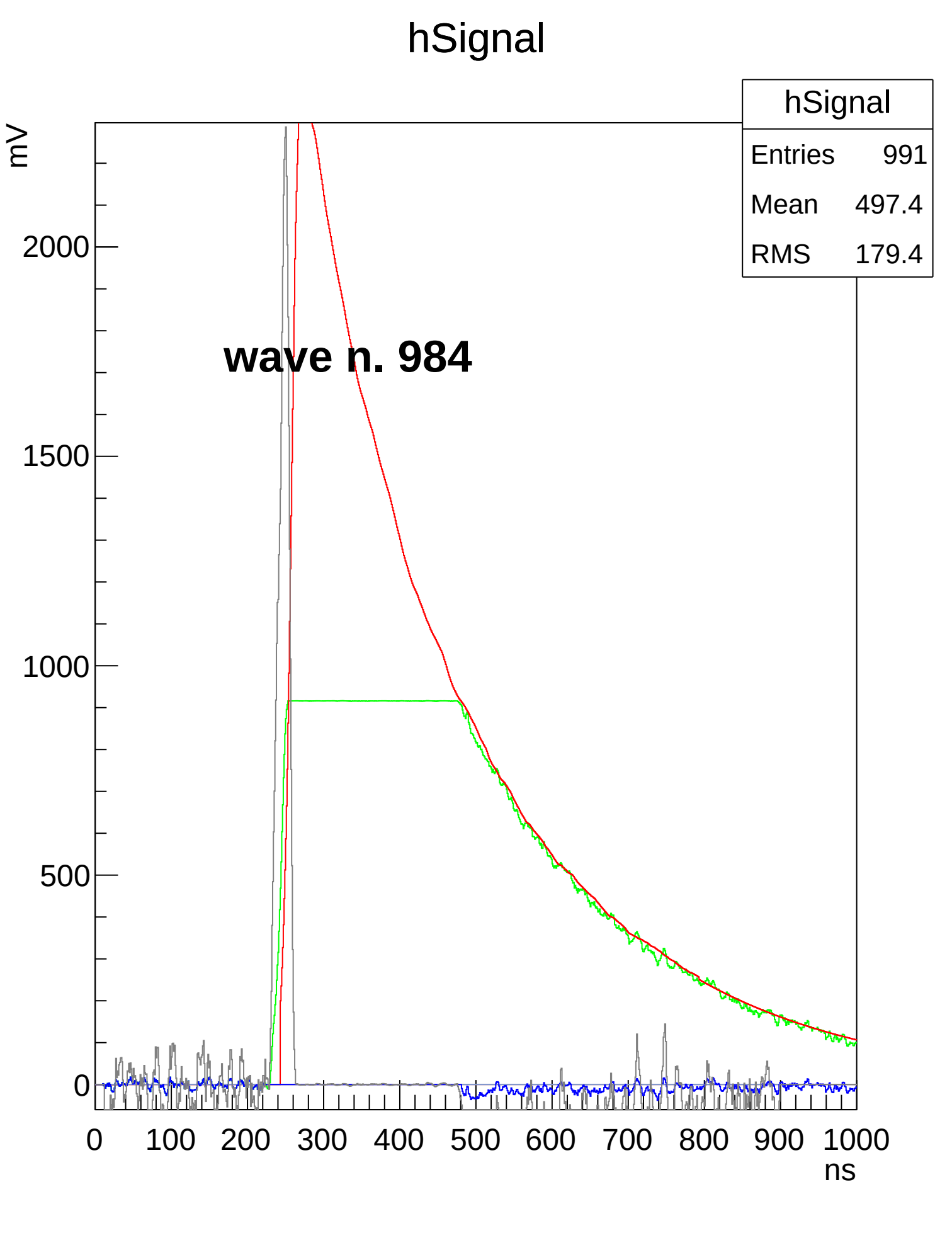

hSignal
hSignal
Entries 991
Mean 601.2
RMS 151.9
wave n. 979
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

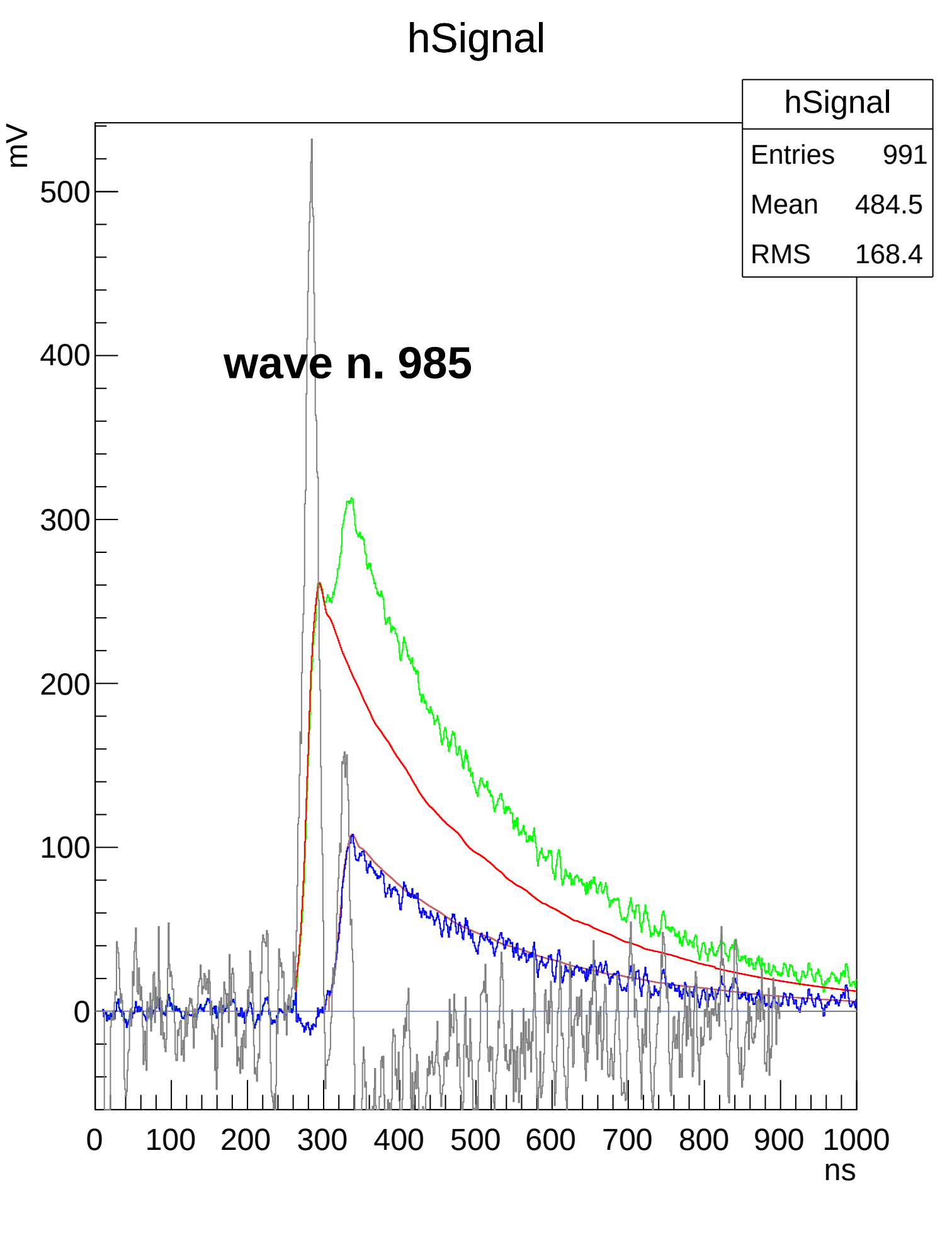

hSignal
hSignal
Entries 991
Mean 460.6
RMS 174.1
wave n. 980
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

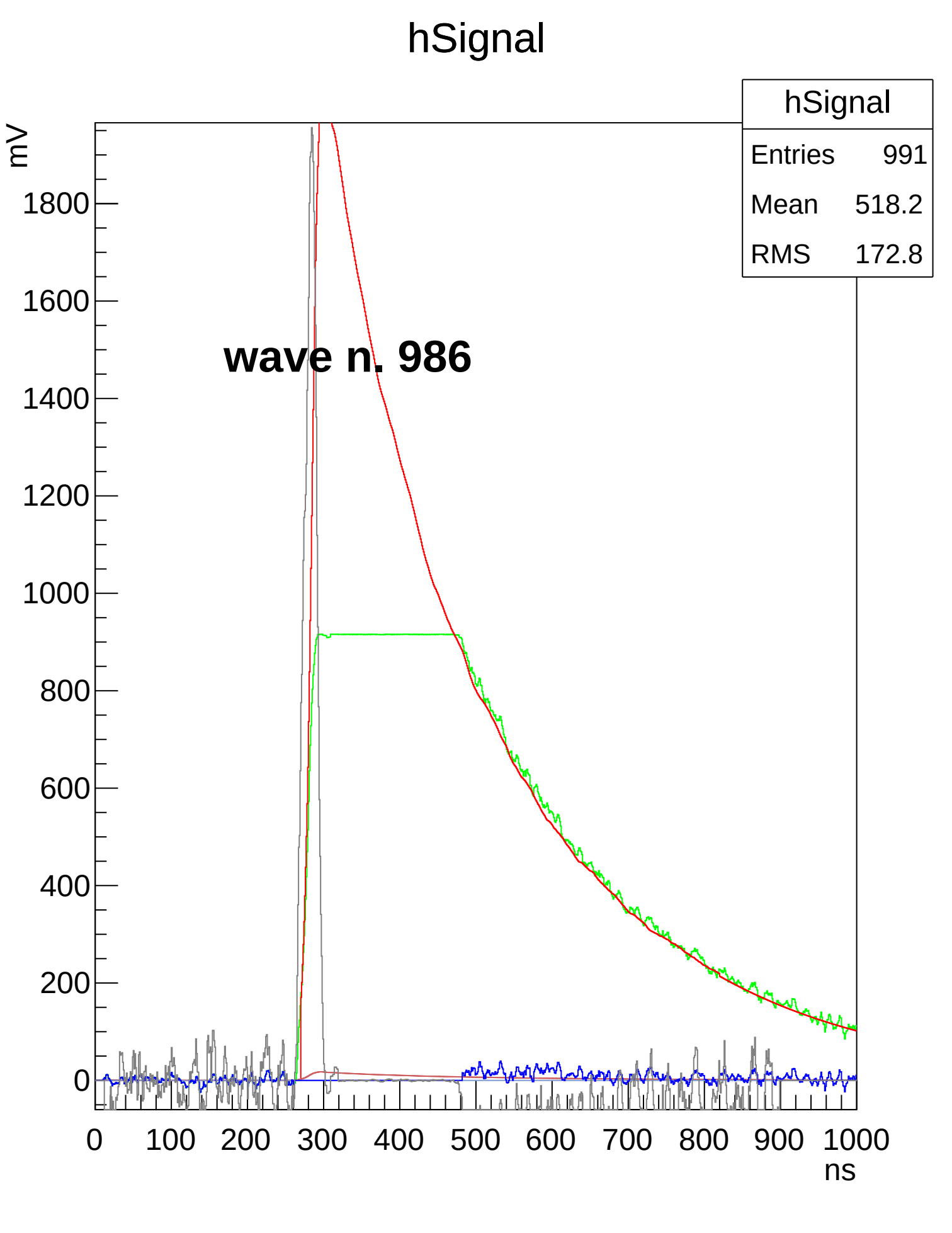

hSignal
hSignal
Entries 991
Mean 477.7
RMS 178.5
wave n. 981
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

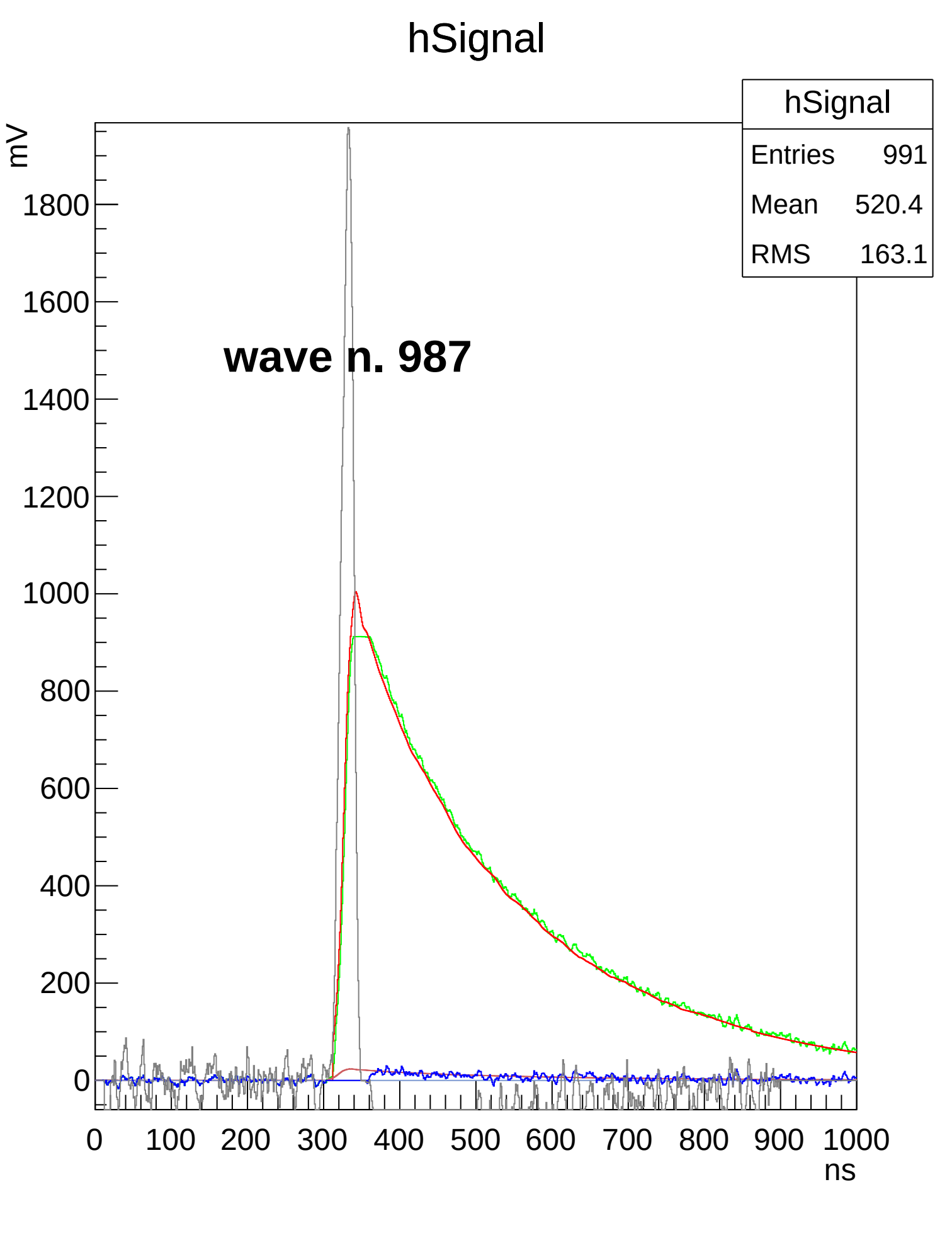

hSignal
hSignal
Entries 991
Mean 462.1
RMS 172.8
wave n. 982
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

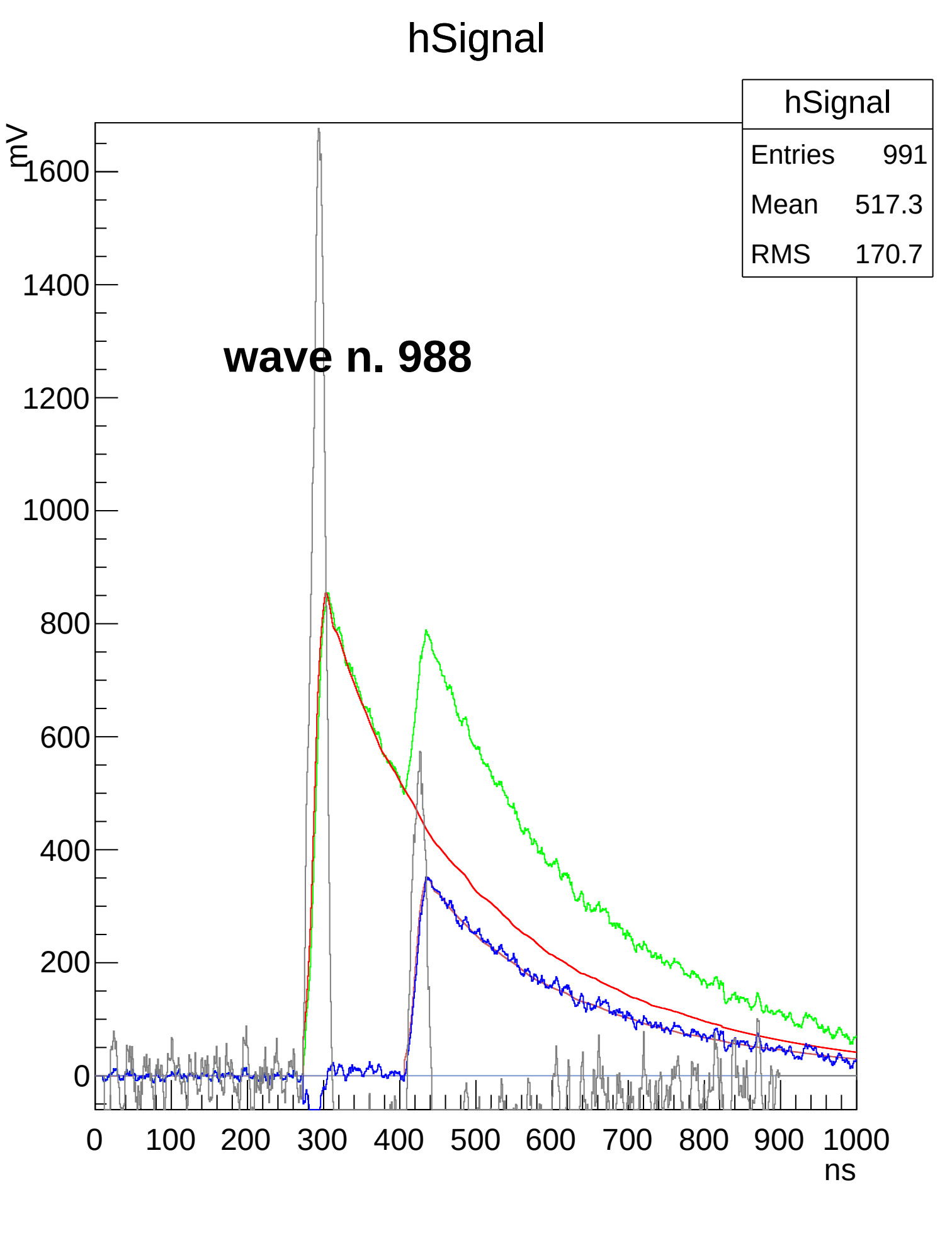

hSignal
hSignal
Entries 991
Mean 459.7
RMS 172.7
wave n. 983
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

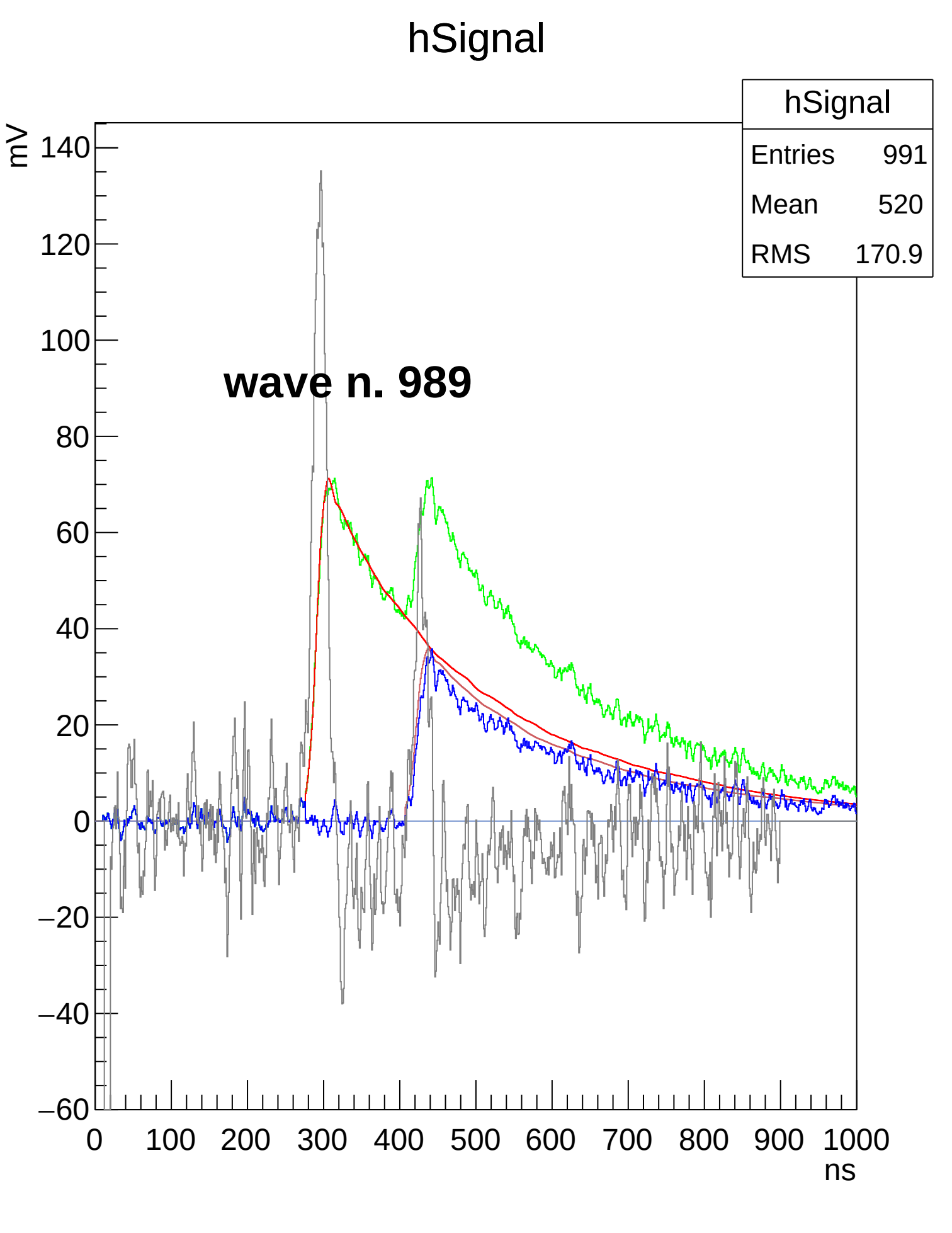

hSignal
hSignal
Entries 991
Mean 497.4
RMS 179.4
wave n. 984
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

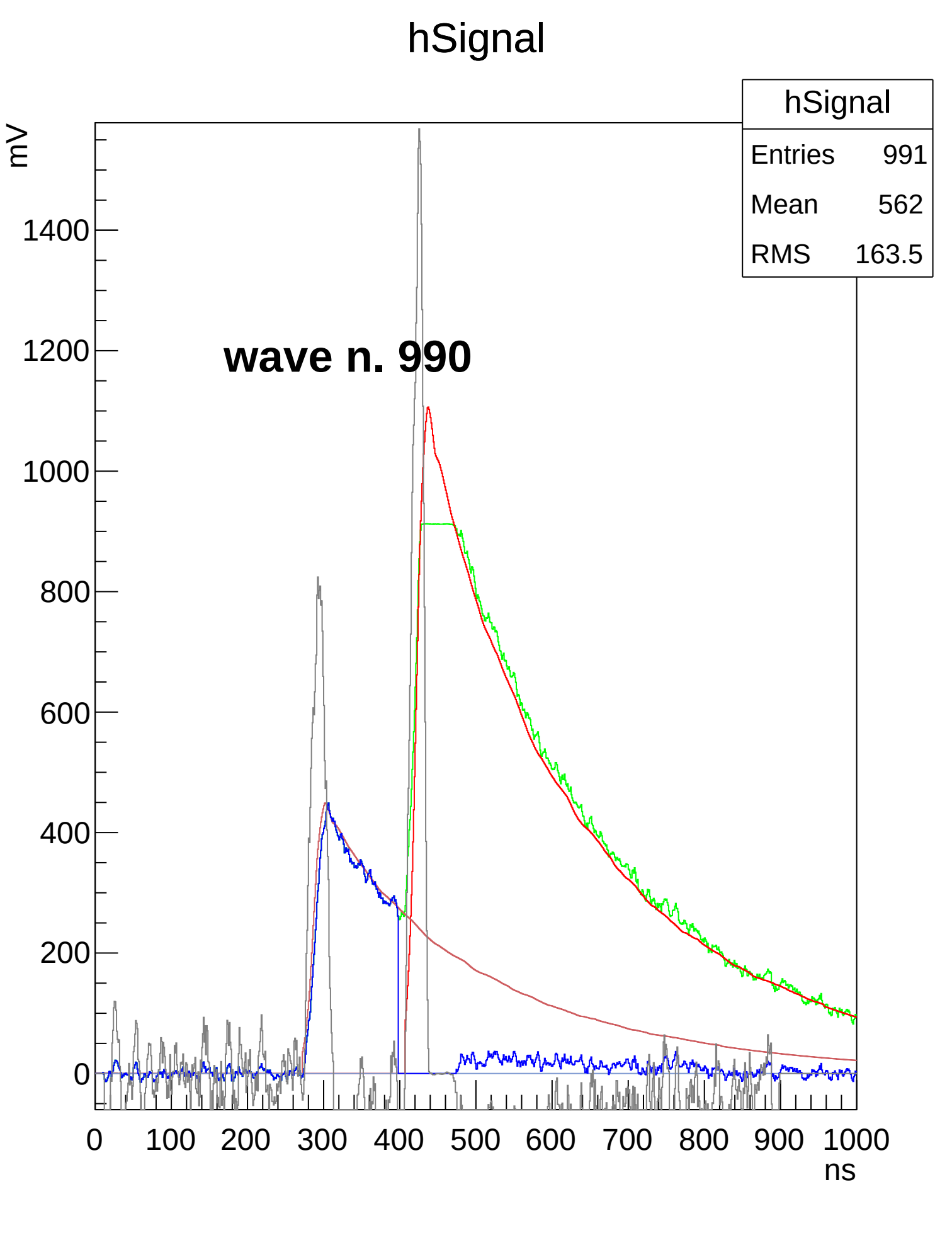

hSignal
hSignal
Entries 991
Mean 484.5
RMS 168.4
wave n. 985
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

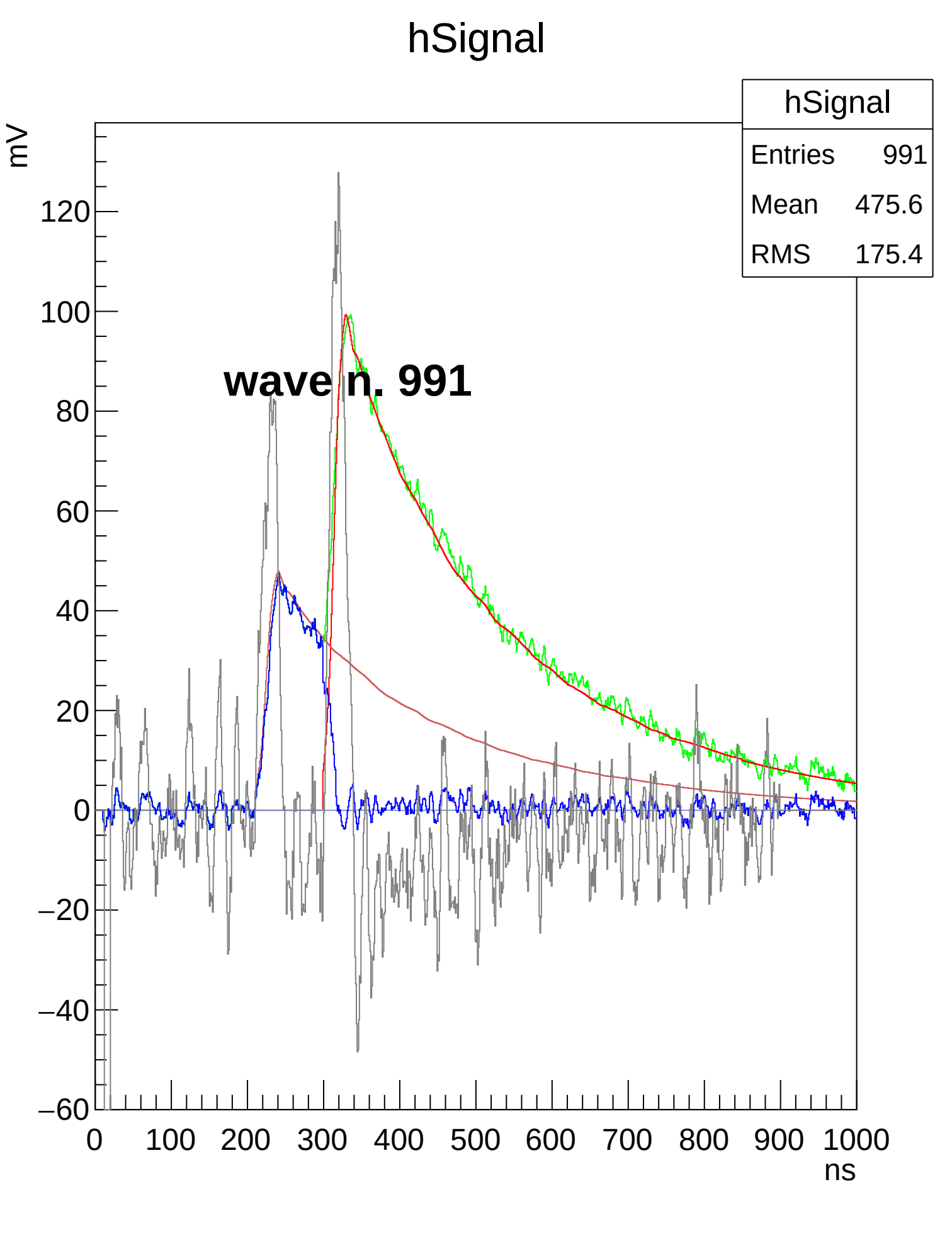

hSignal
hSignal
Entries 991
Mean 518.2
RMS 172.8
wave n. 986
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

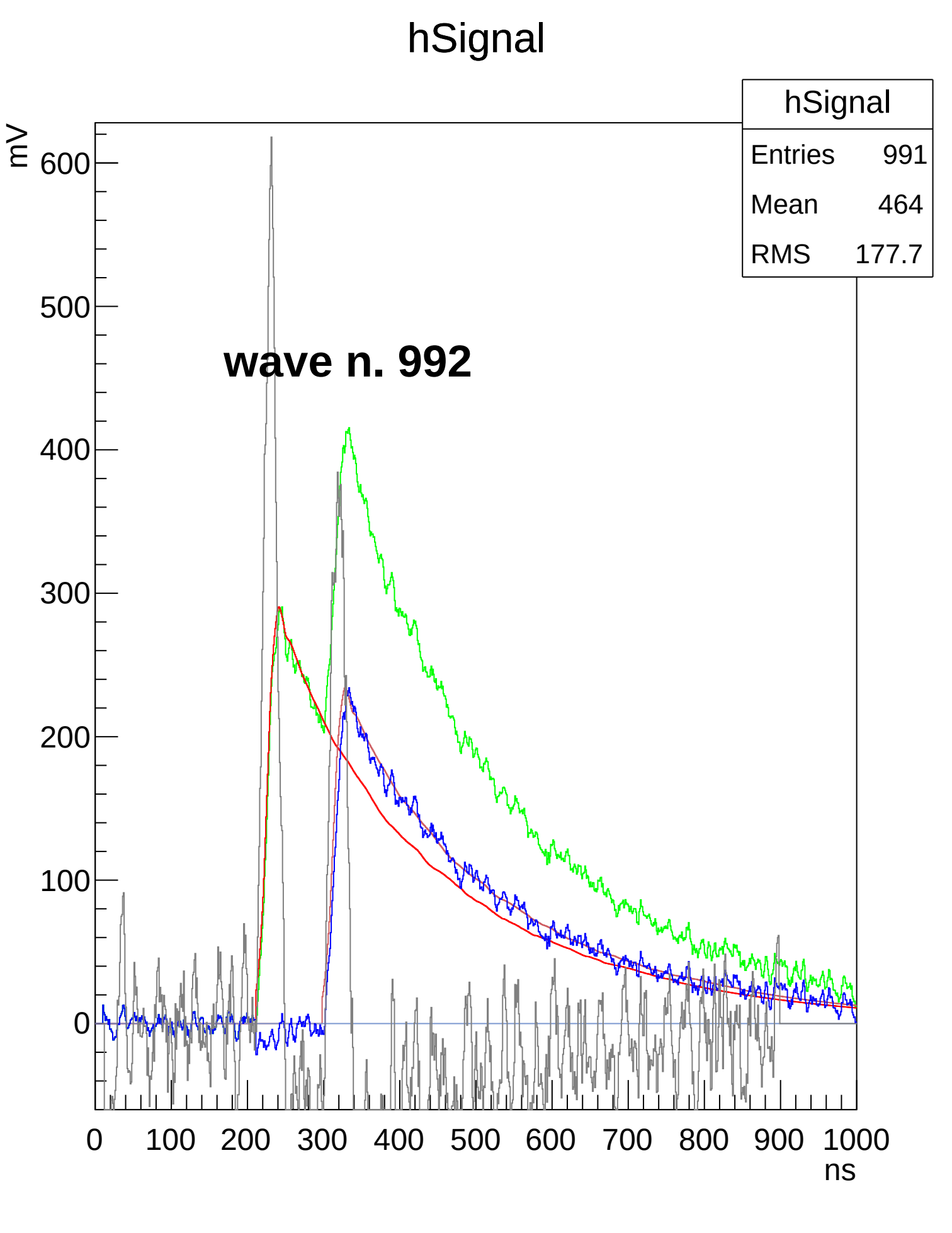

hSignal
hSignal
Entries 991
Mean 520.4
RMS 163.1
wave n. 987
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

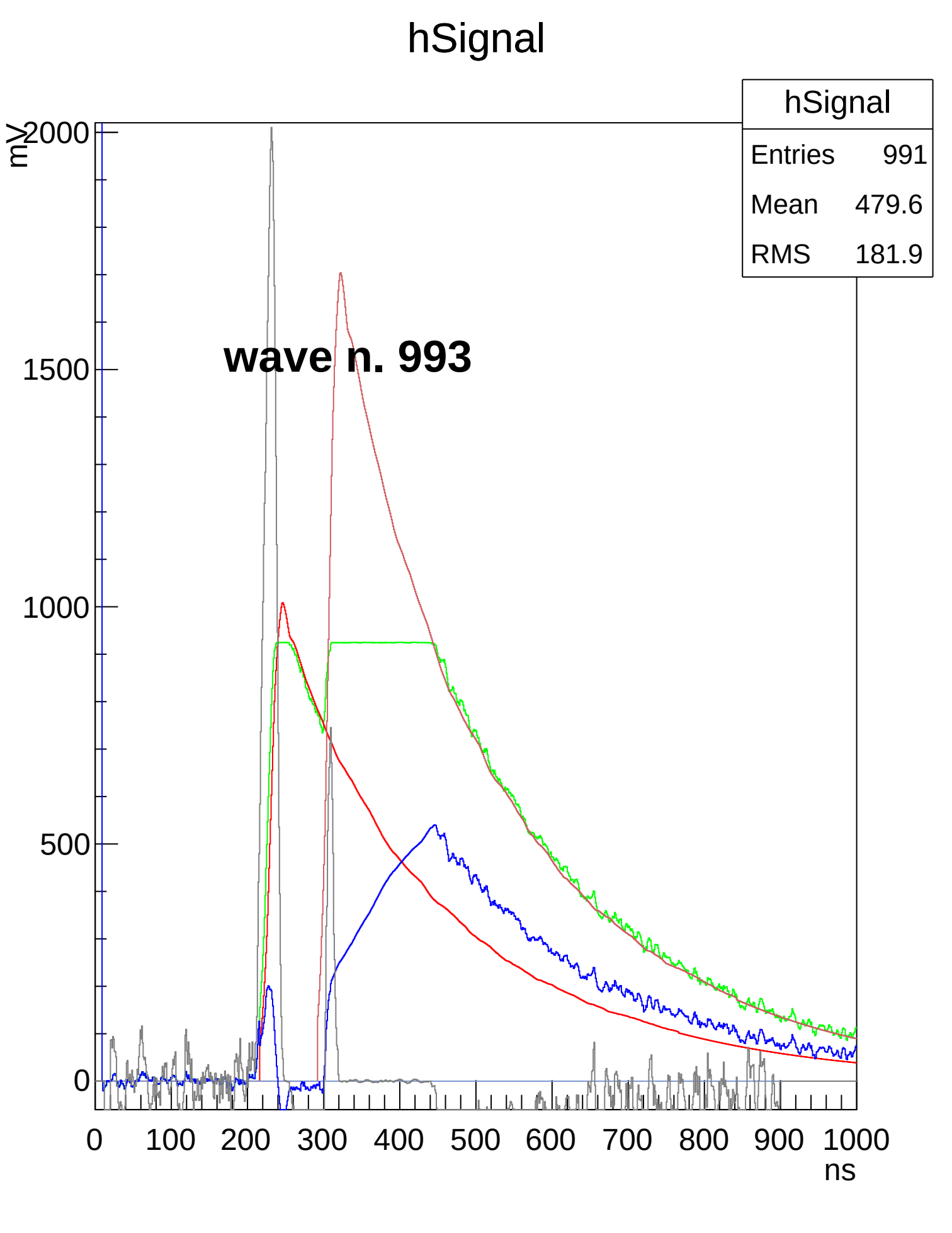

hSignal
hSignal
Entries 991
Mean 517.3
RMS 170.7
wave n. 988
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

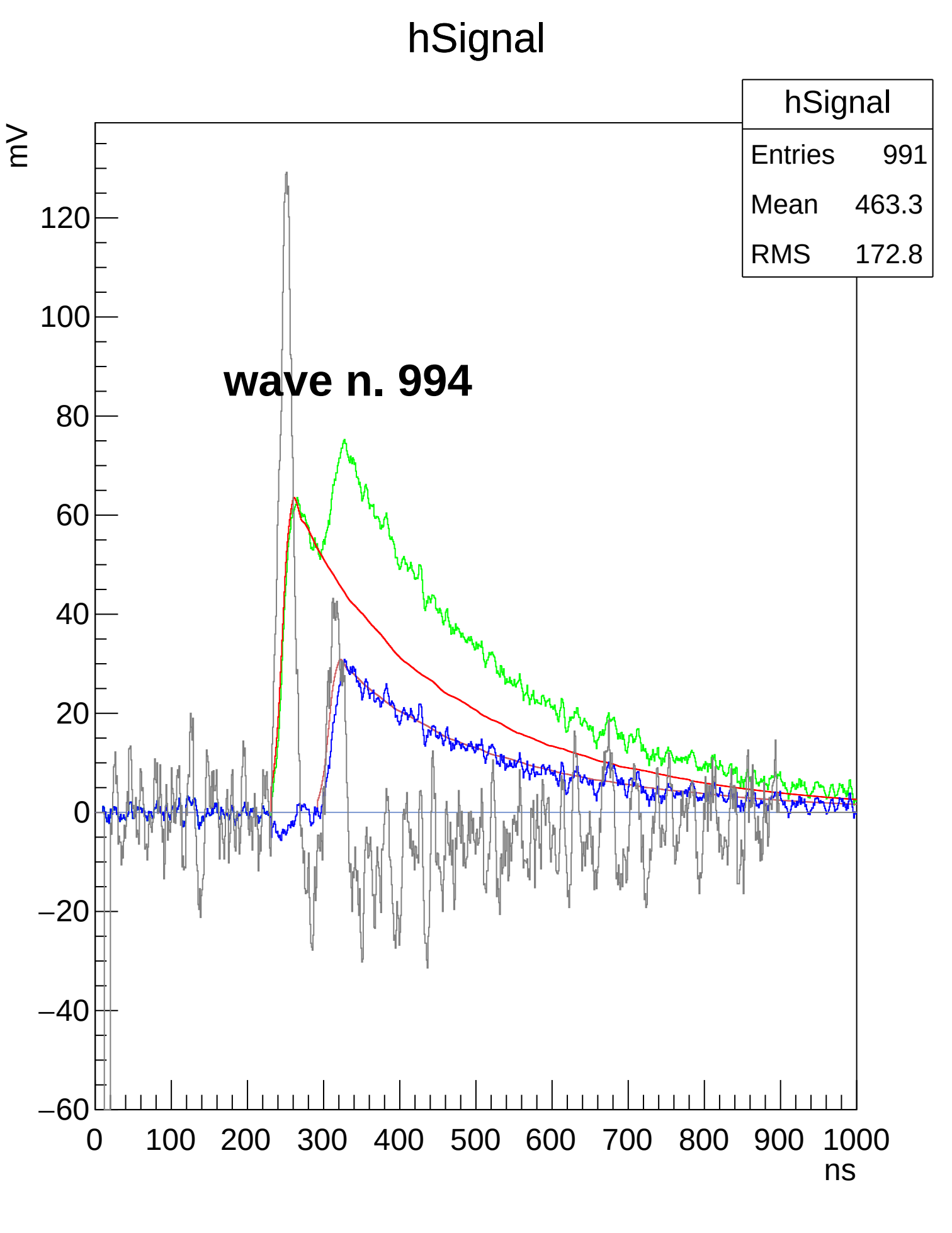

hSignal
hSignal
Entries 991
Mean 520
RMS 170.9
wave n. 989
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

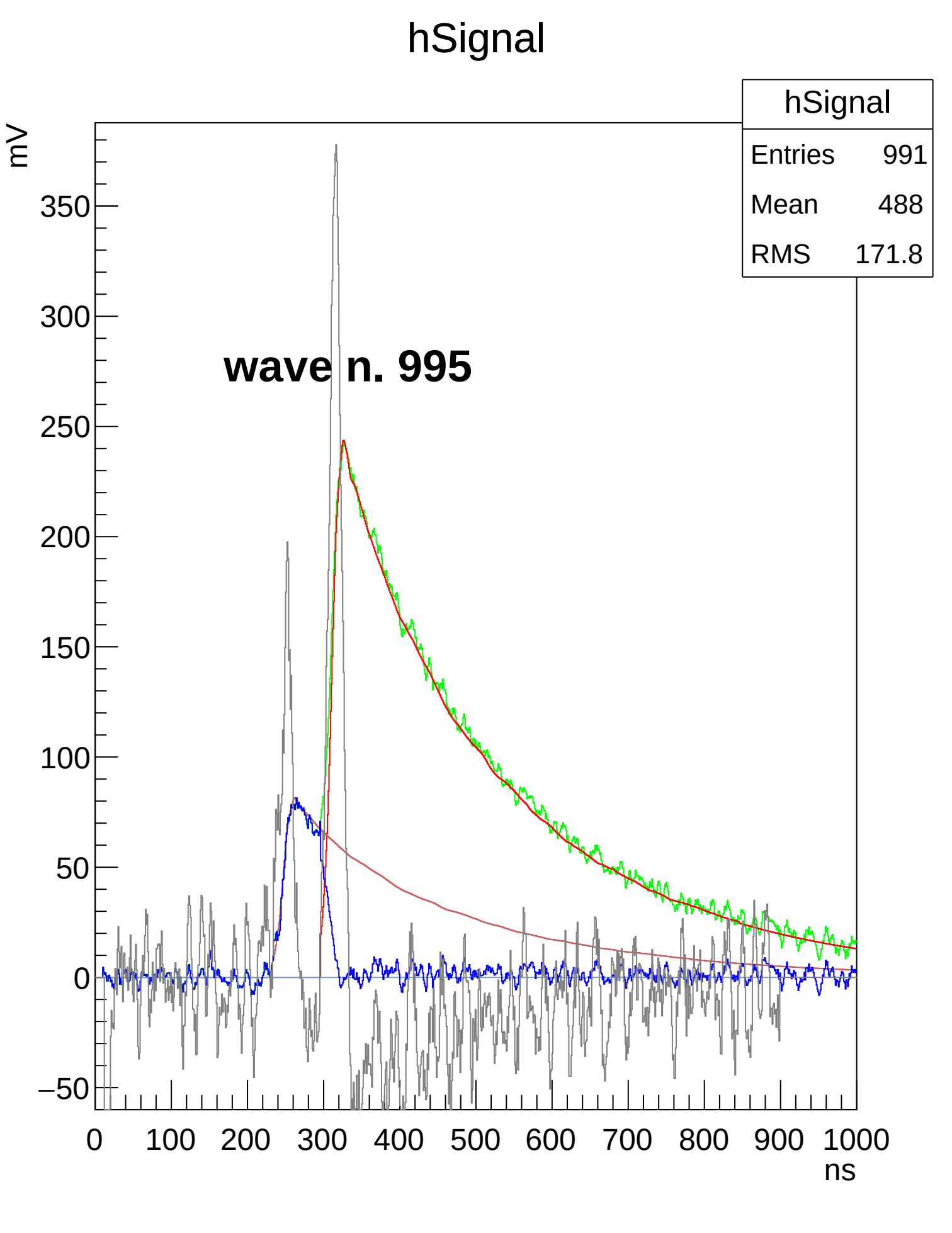

hSignal
hSignal
Entries 991
Mean 562
RMS 163.5
wave n. 990
mV
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

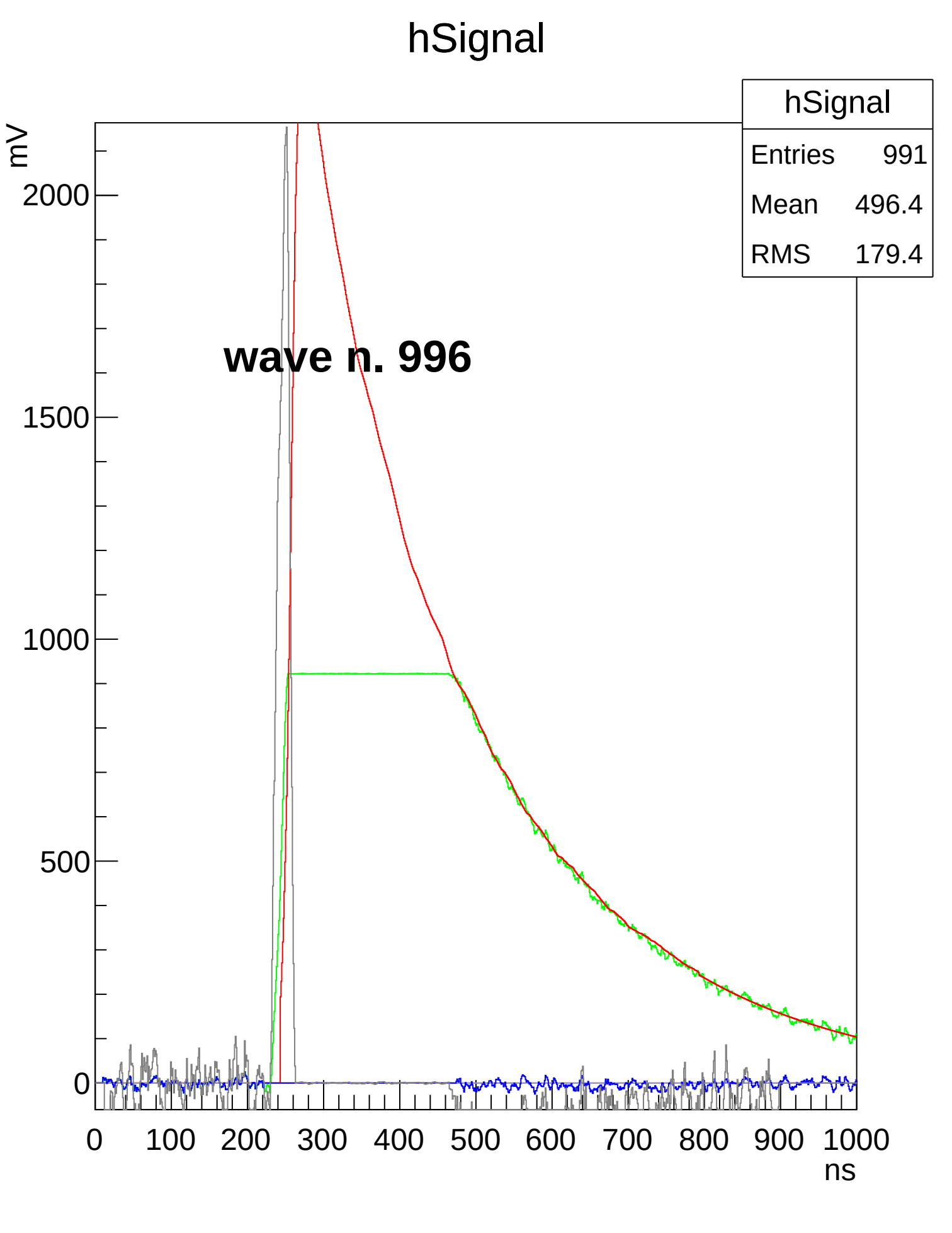

hSignal
hSignal
Entries 991
Mean 475.6
RMS 175.4
wave n. 991
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

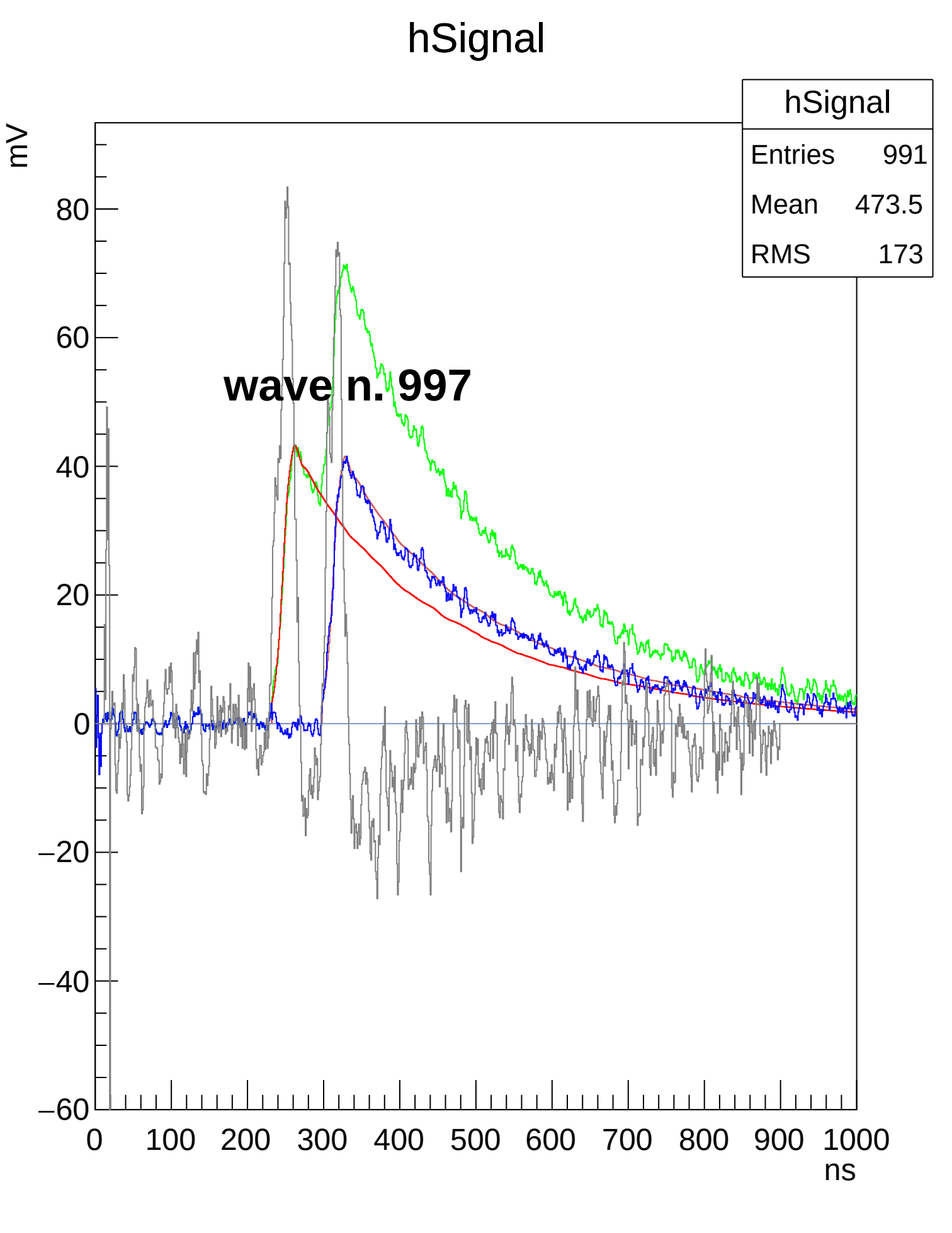

hSignal
hSignal
Entries 991
Mean 464
RMS 177.7
wave n. 992
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

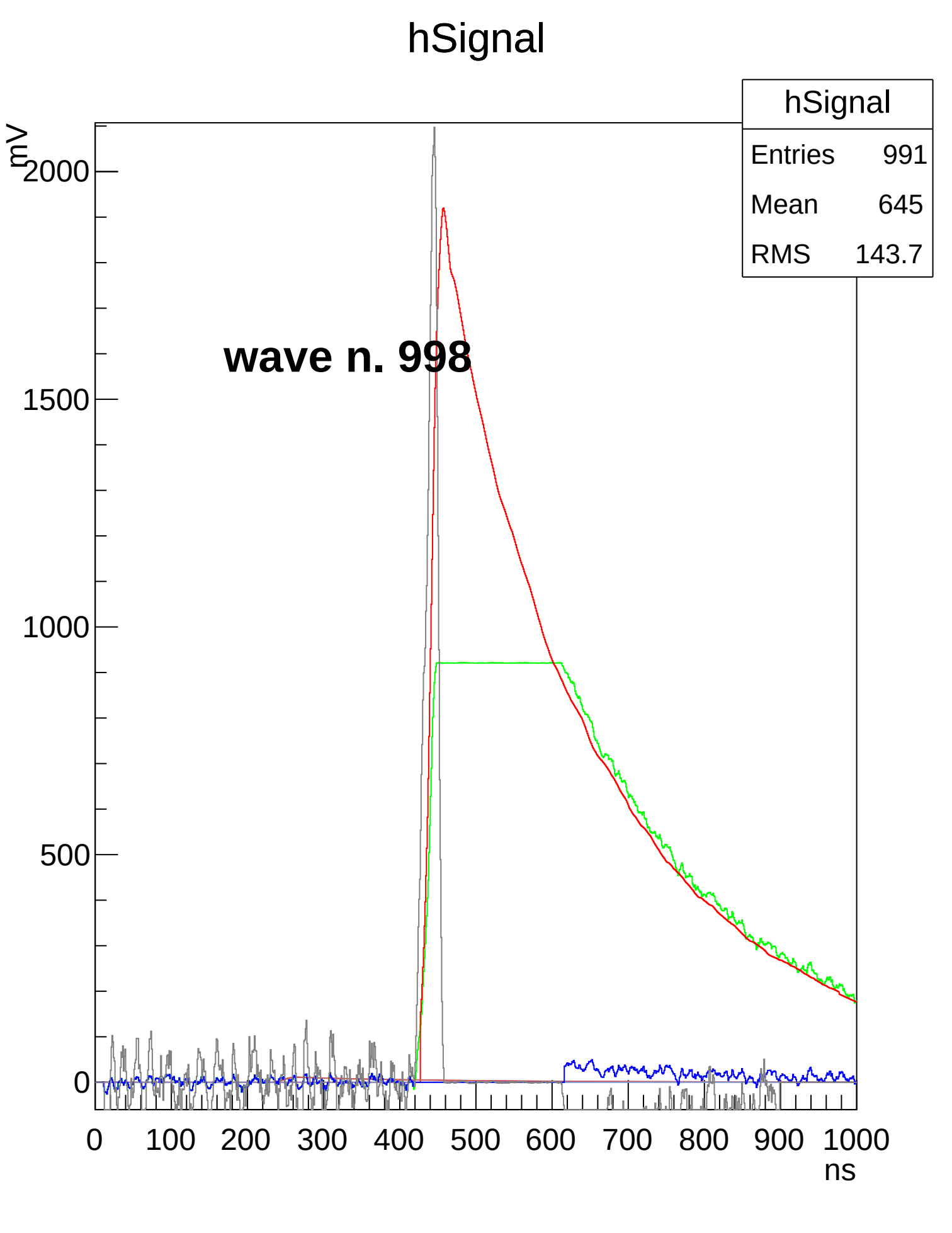

hSignal
hSignal
Entries 991
Mean 479.6
RMS 181.9
wave n. 993
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

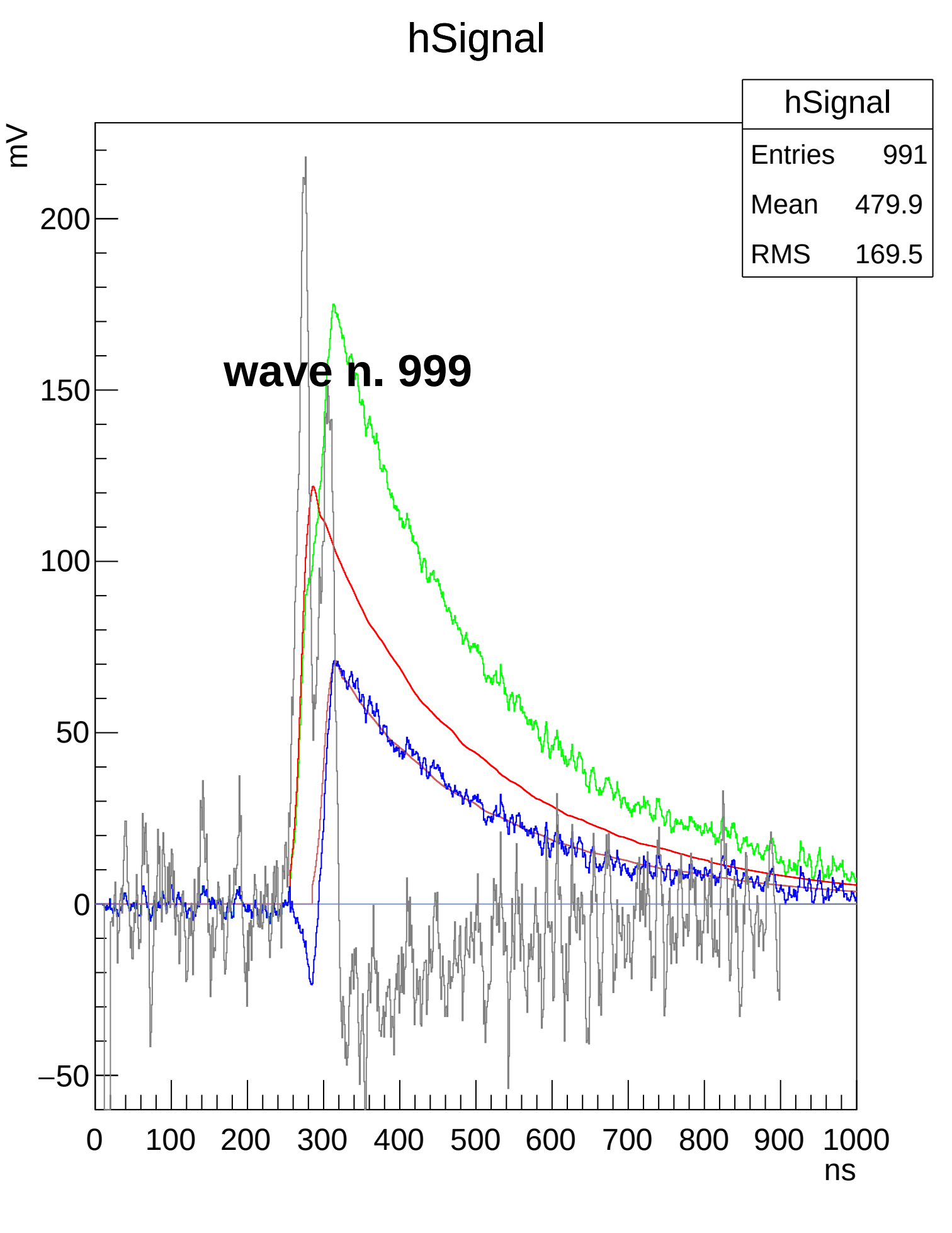

hSignal
hSignal
Entries 991
Mean 463.3
RMS 172.8
wave n. 994
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

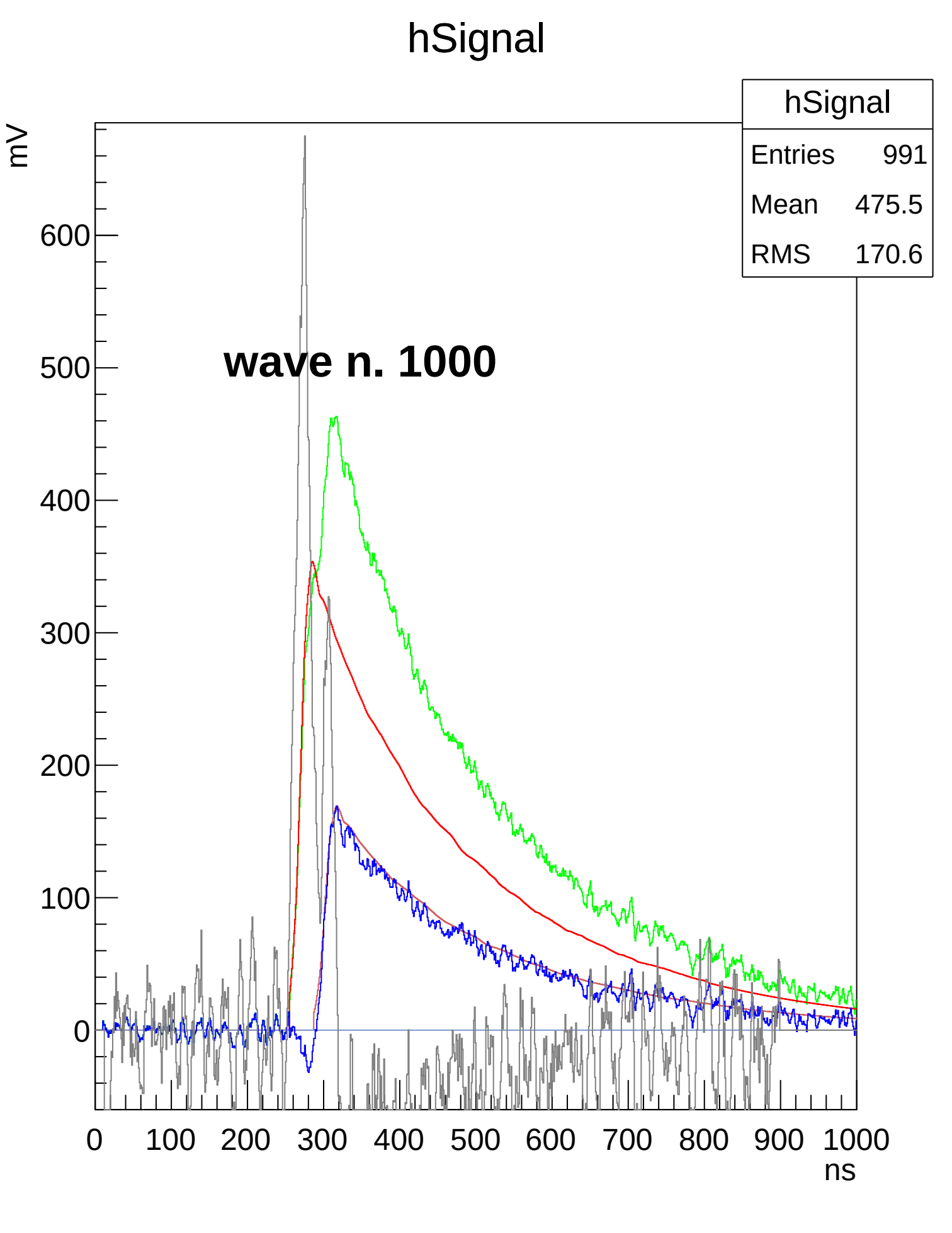

hSignal
hSignal
Entries 991
Mean 488
RMS 171.8
wave n. 995
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

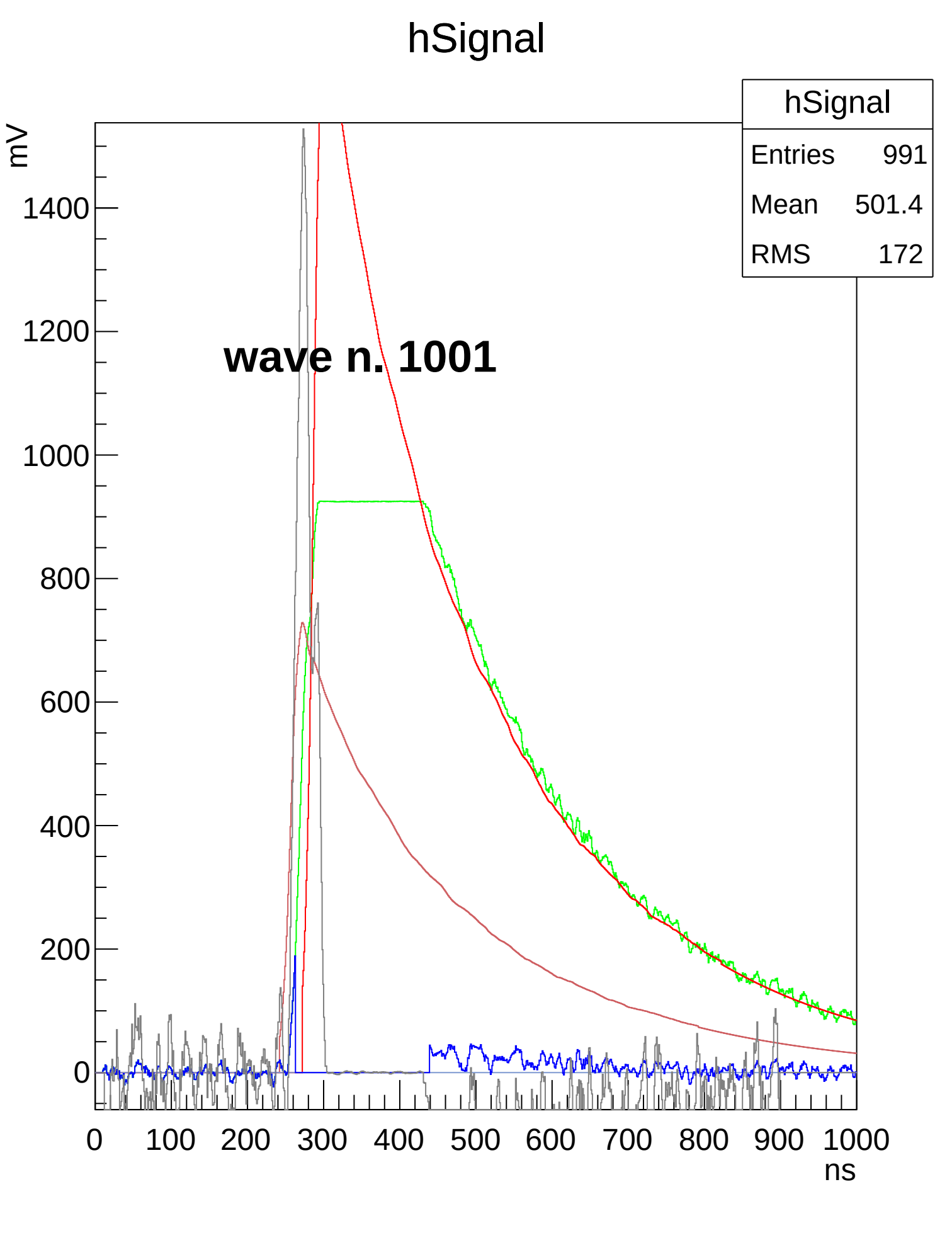

hSignal
hSignal
Entries 991
Mean 496.4
RMS 179.4
wave n. 996
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

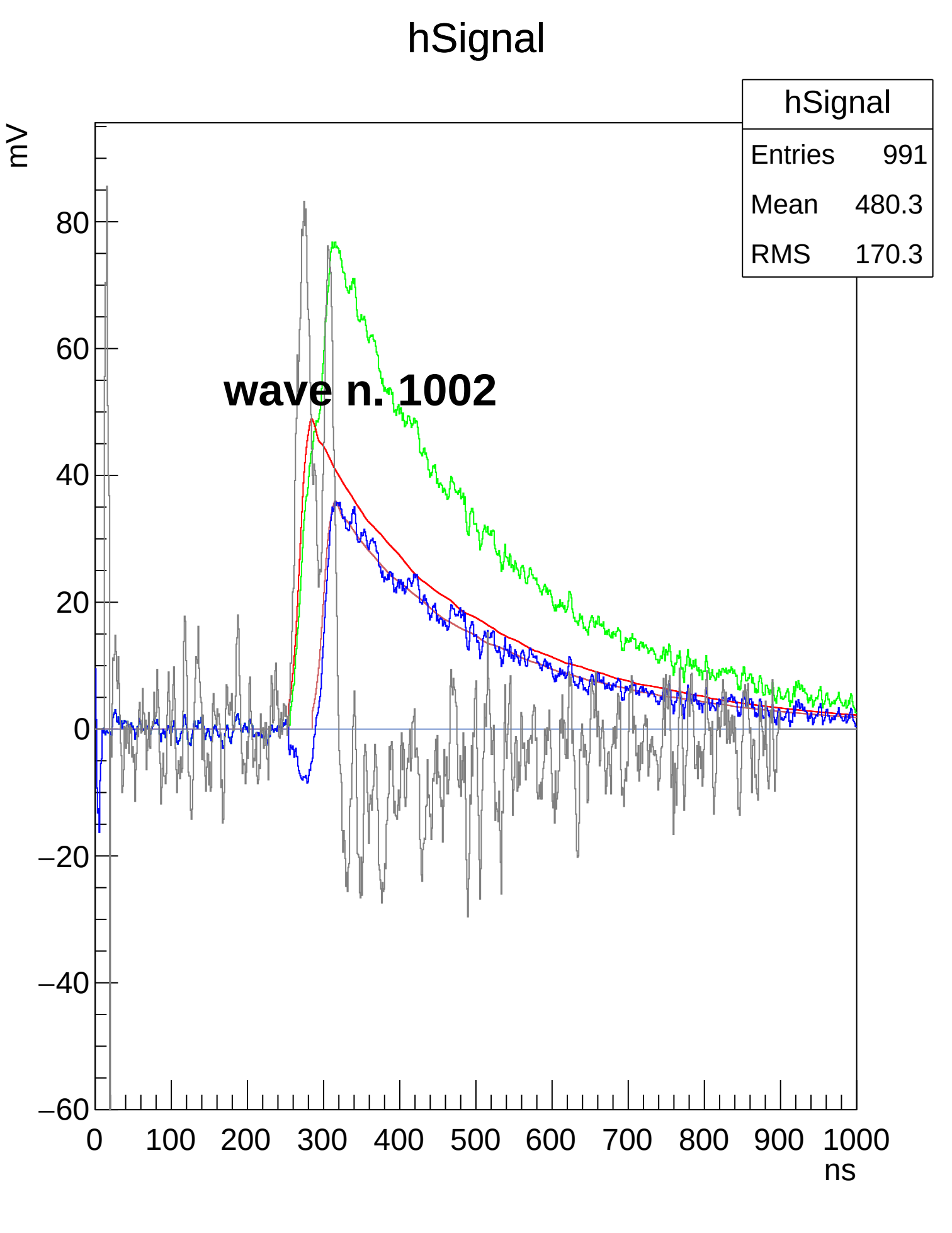

hSignal
hSignal
Entries 991
Mean 473.5
RMS 173
wave n. 997
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

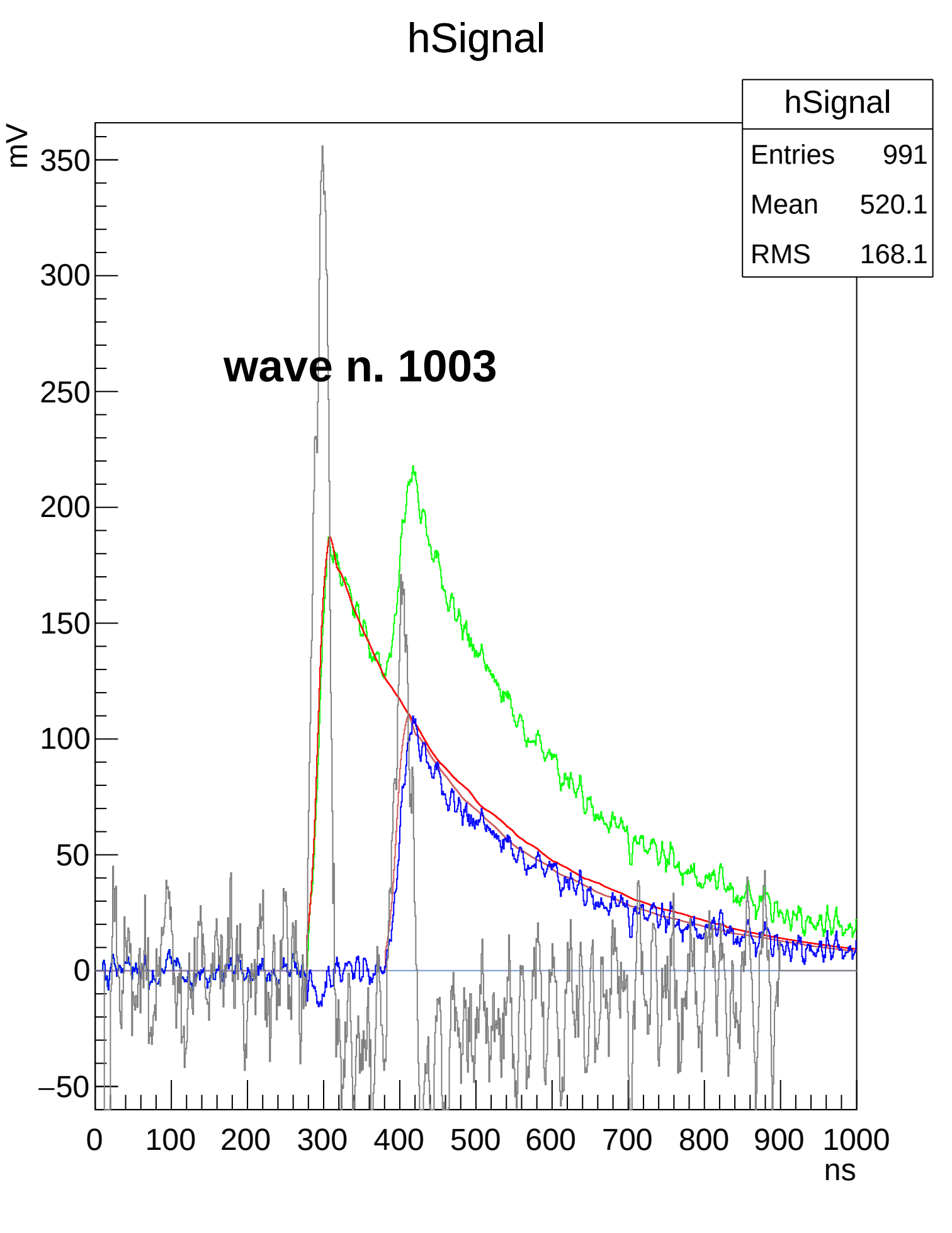

hSignal
hSignal
Entries 991
Mean 645
RMS 143.7
wave n. 998
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

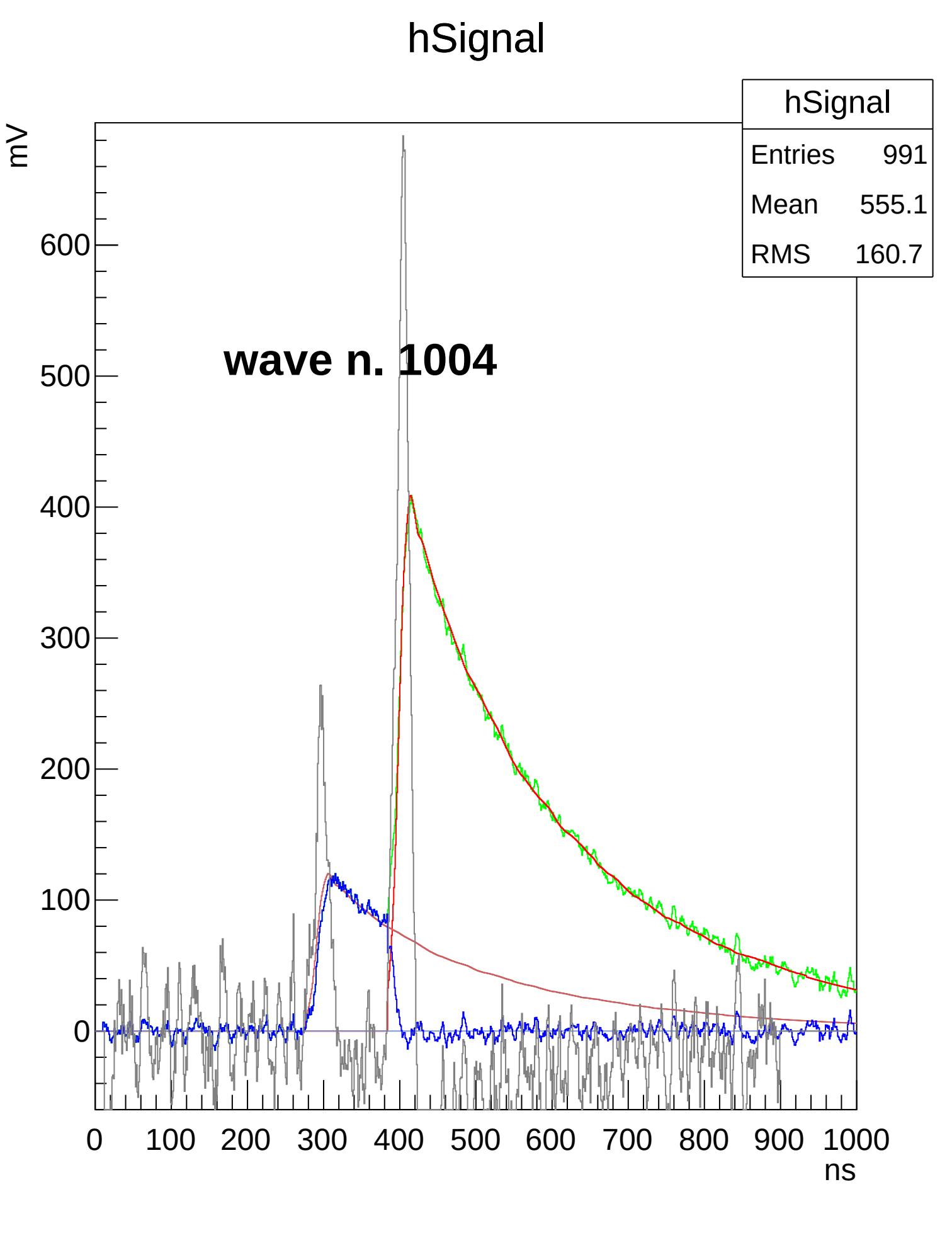

hSignal
hSignal
Entries 991
Mean 479.9
RMS 169.5
wave n. 999
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

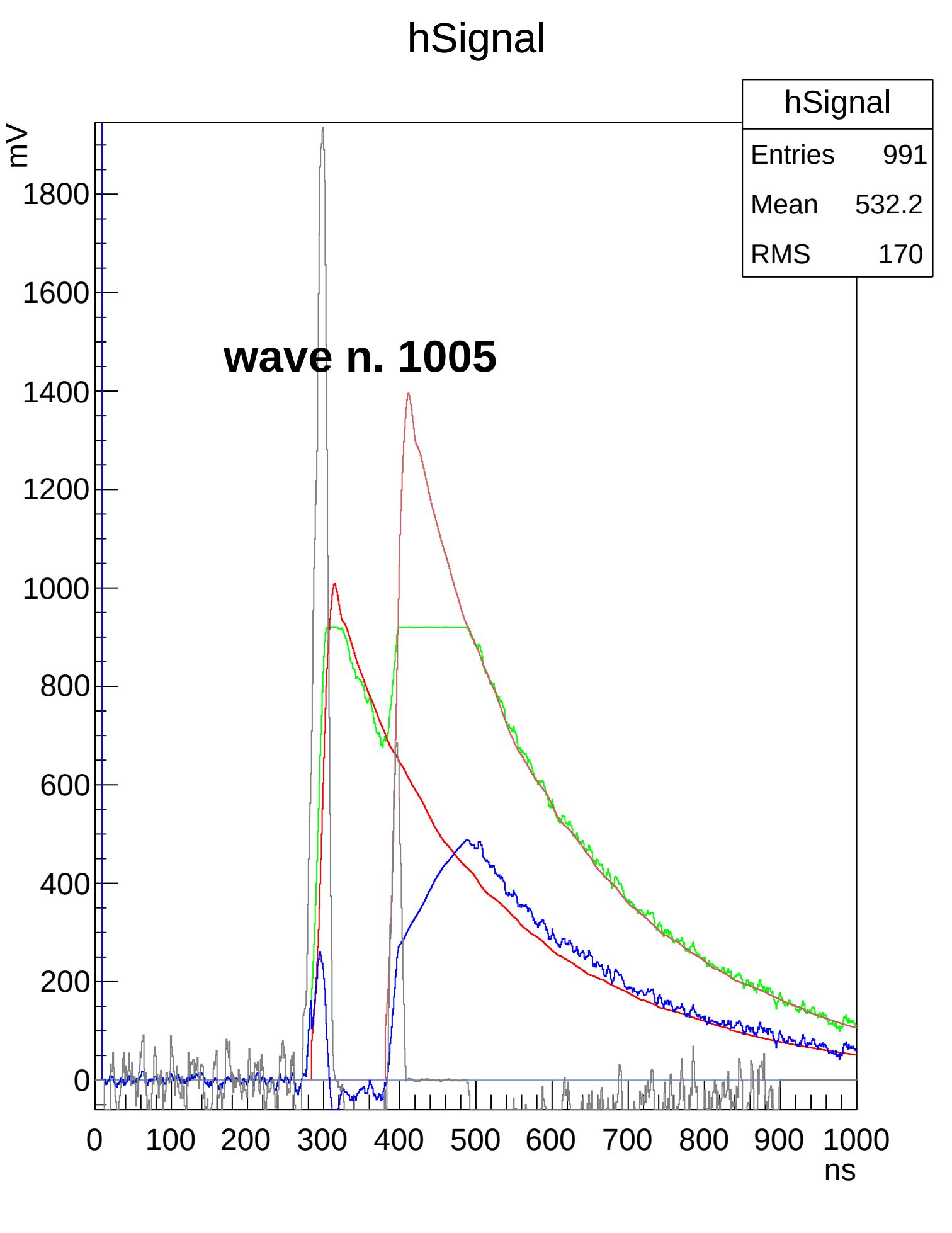

hSignal
hSignal
Entries 991
Mean 475.5
RMS 170.6
wave n. 1000
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

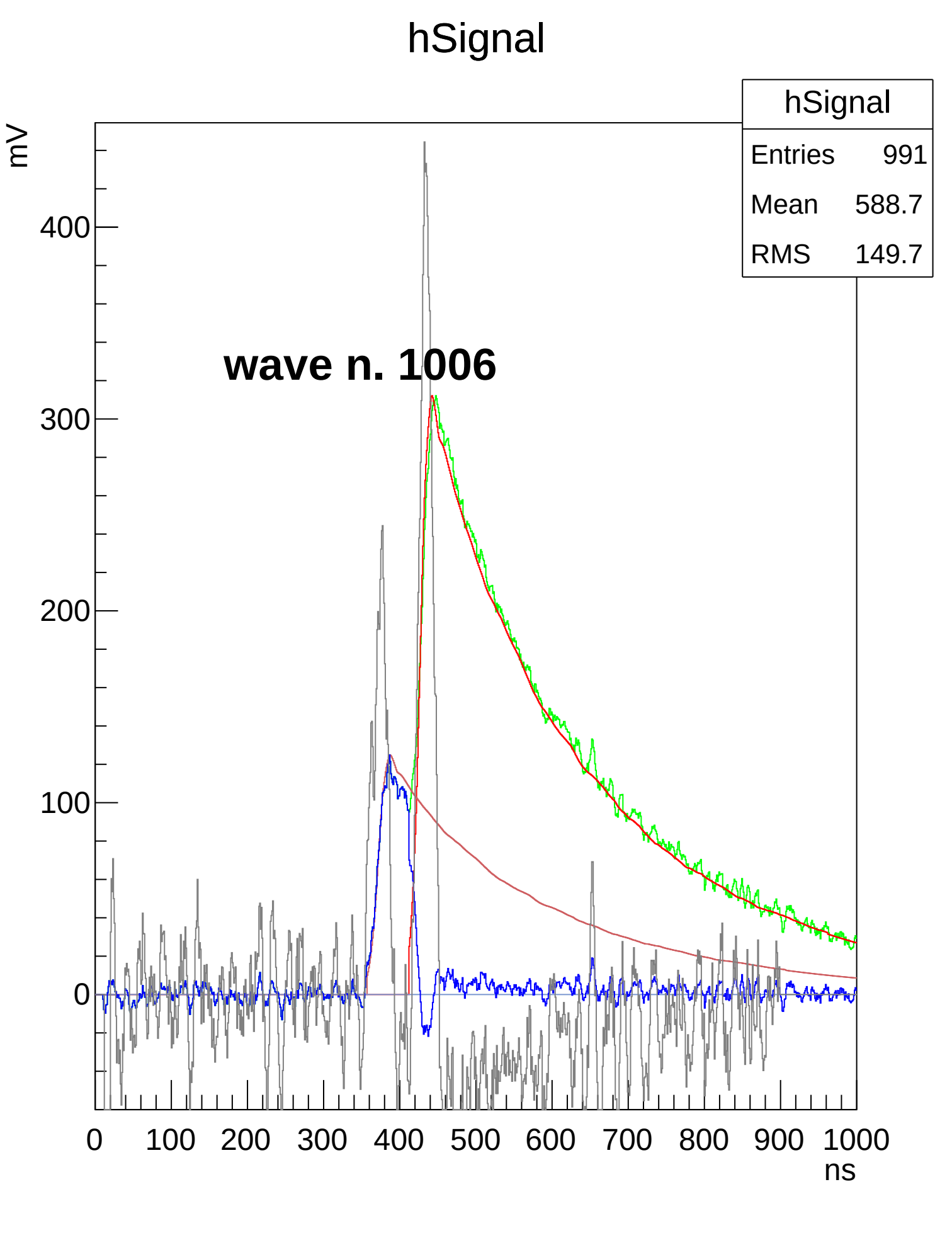

hSignal
hSignal
Entries 991
Mean 501.4
RMS 172
wave n. 1001
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

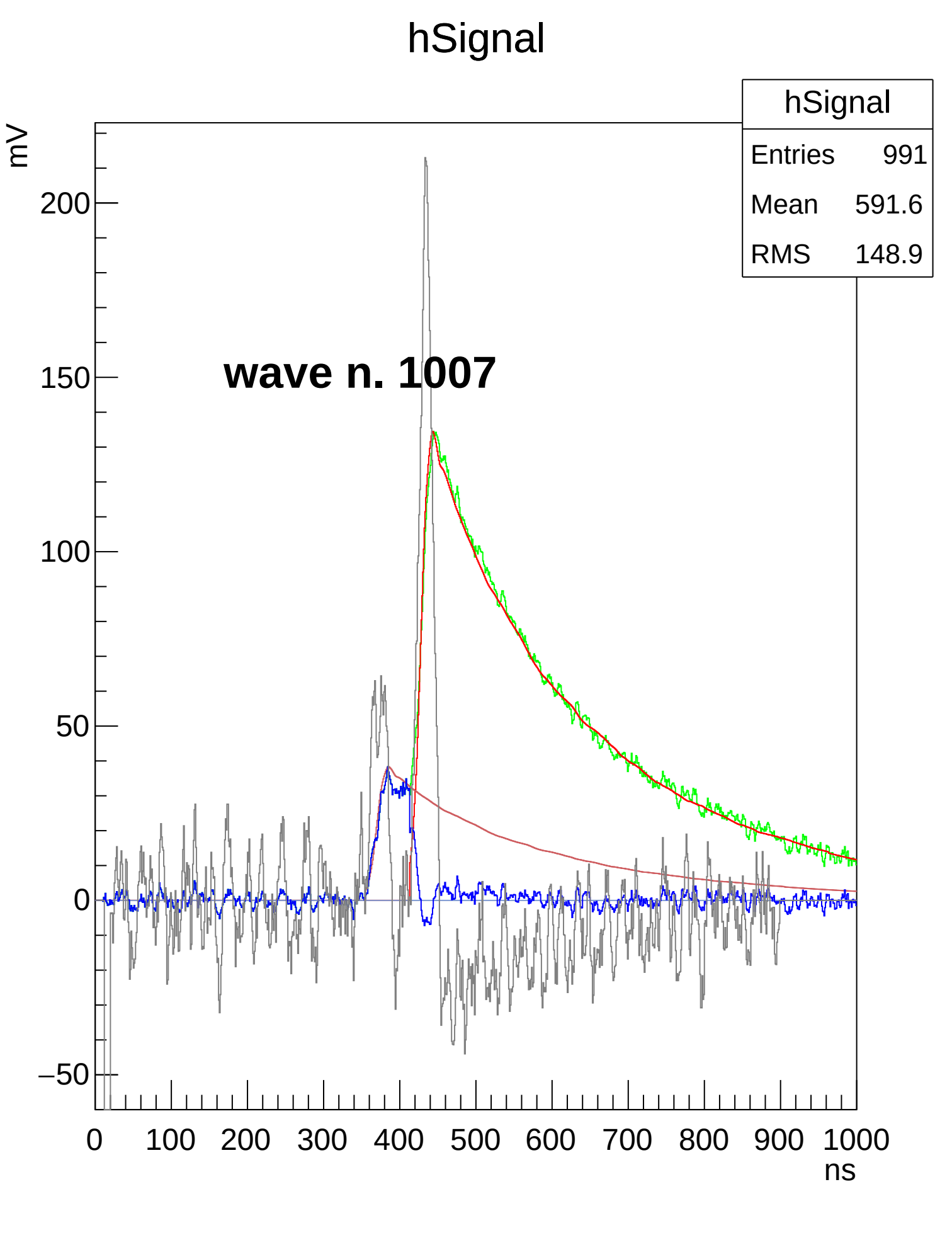

hSignal
hSignal
Entries 991
Mean 480.3
RMS 170.3
wave n. 1002
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

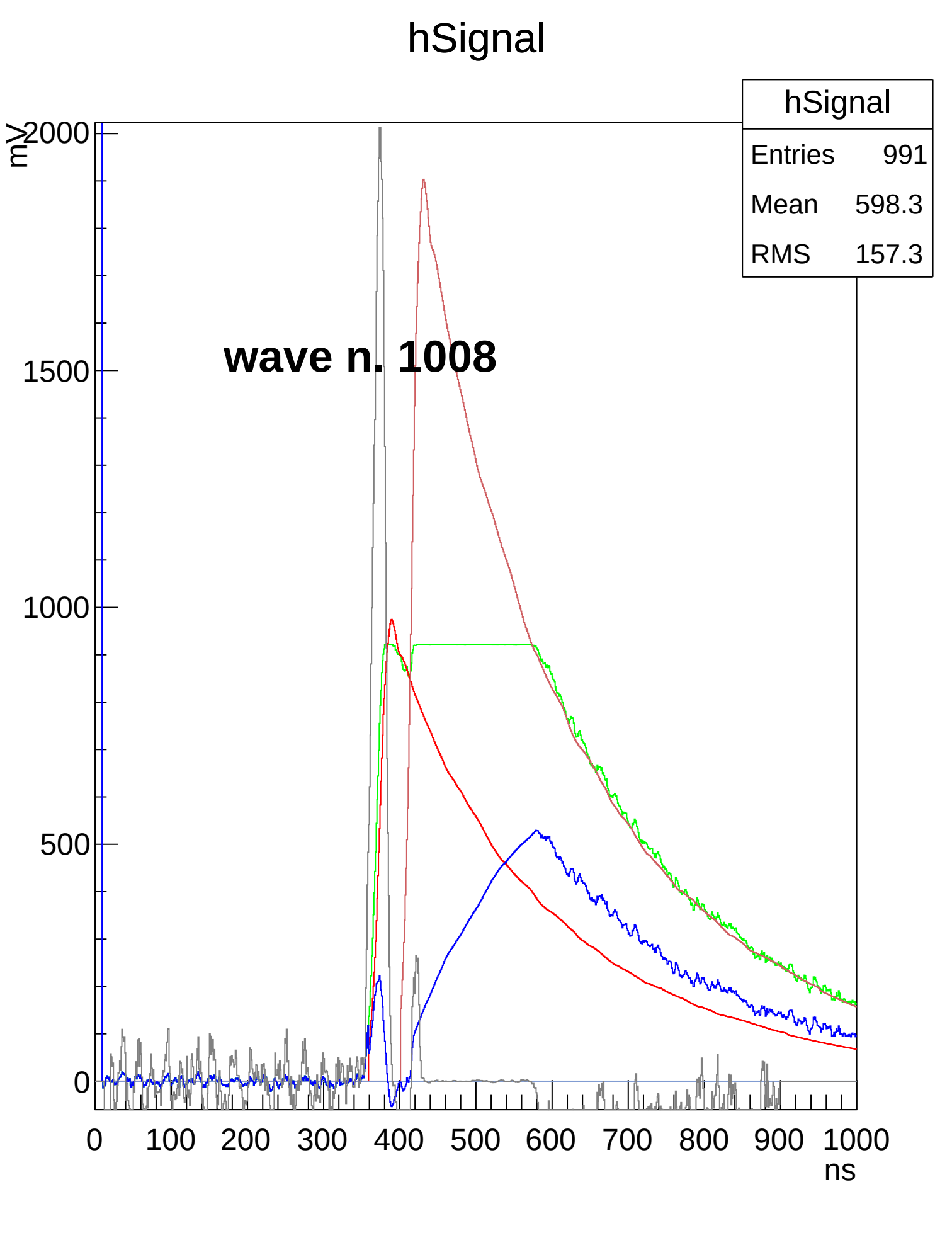

hSignal
hSignal
Entries 991
Mean 520.1
RMS 168.1
wave n. 1003
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

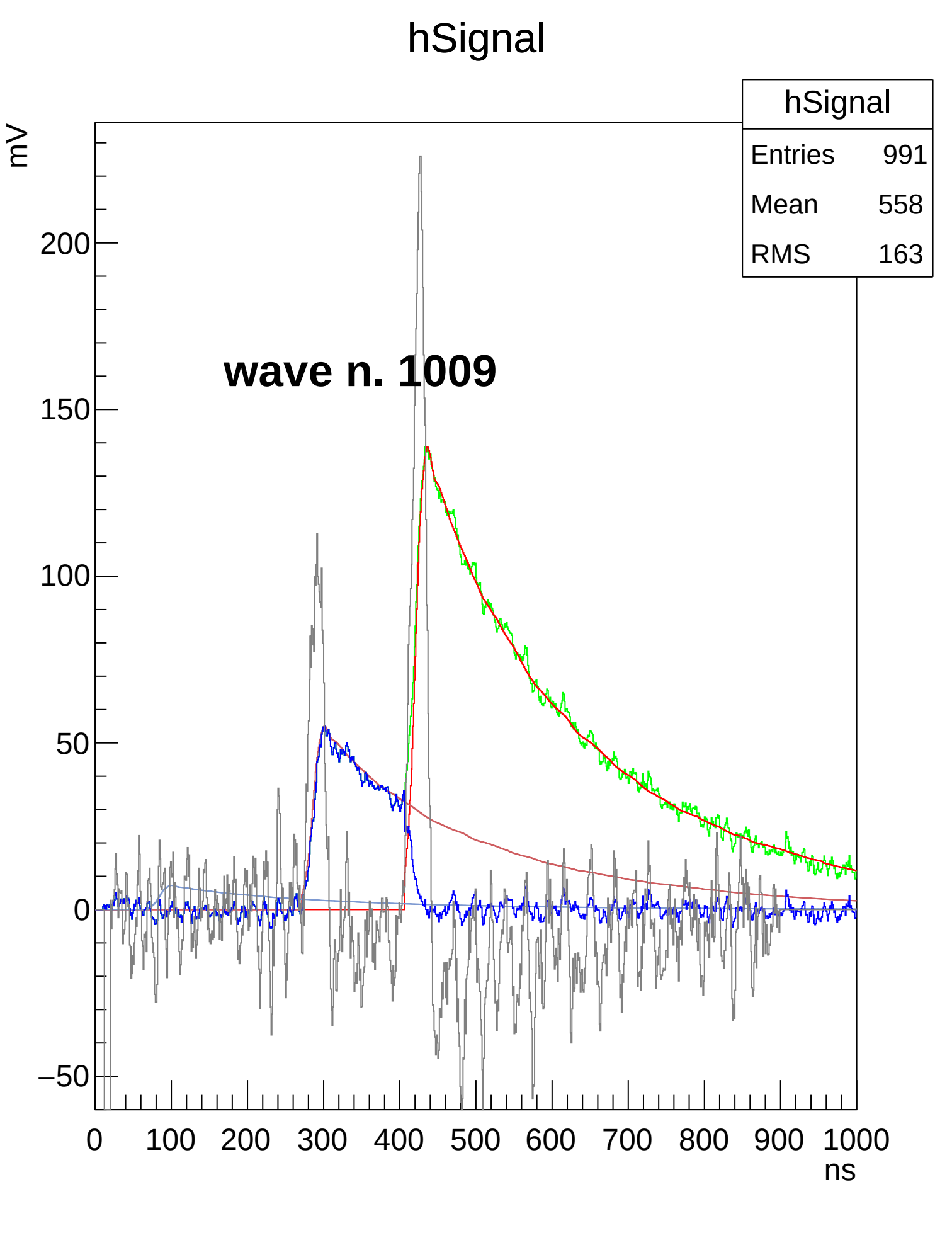

hSignal
hSignal
Entries 991
Mean 555.1
RMS 160.7
wave n. 1004
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

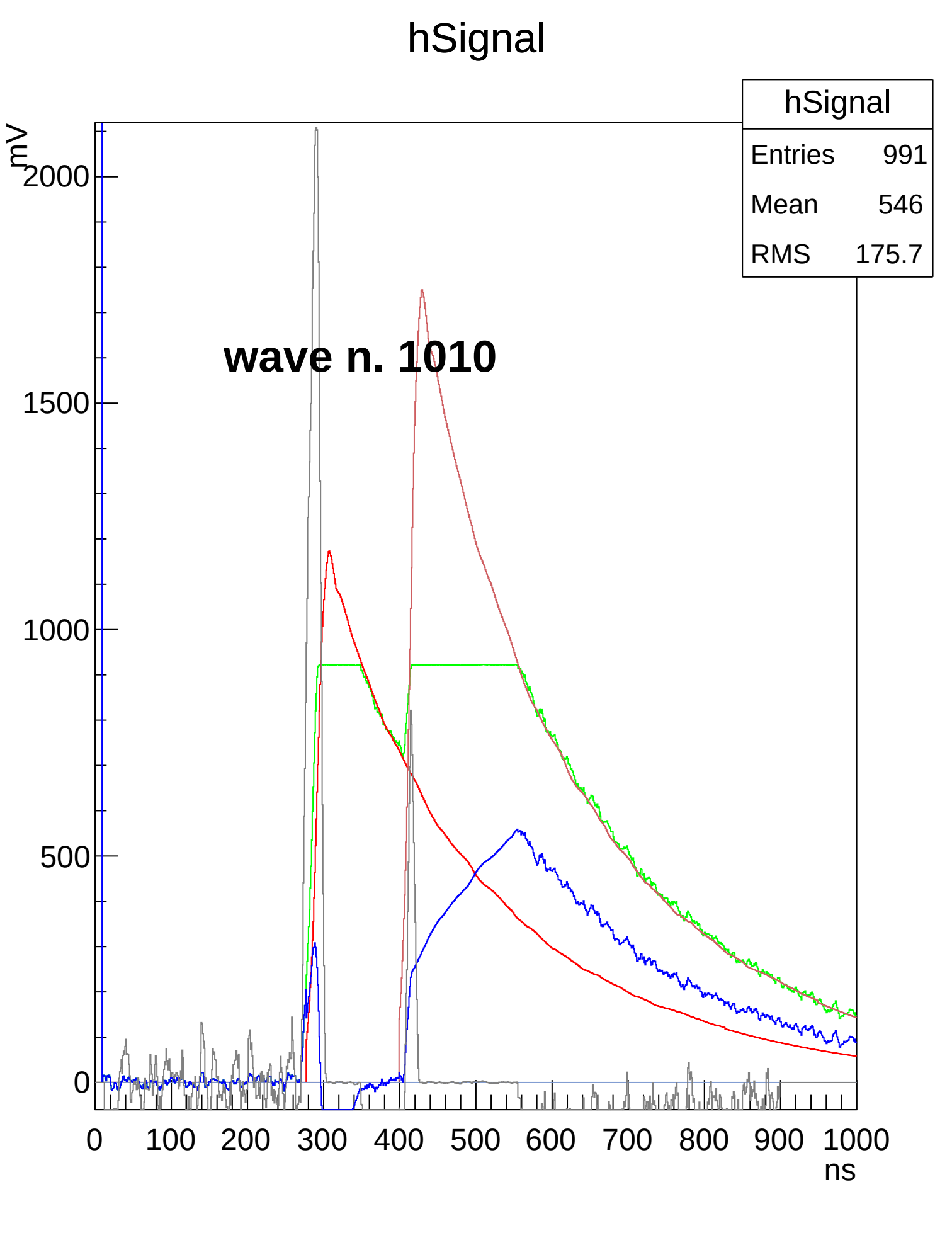

hSignal
hSignal
Entries 991
Mean 532.2
RMS 170
wave n. 1005
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

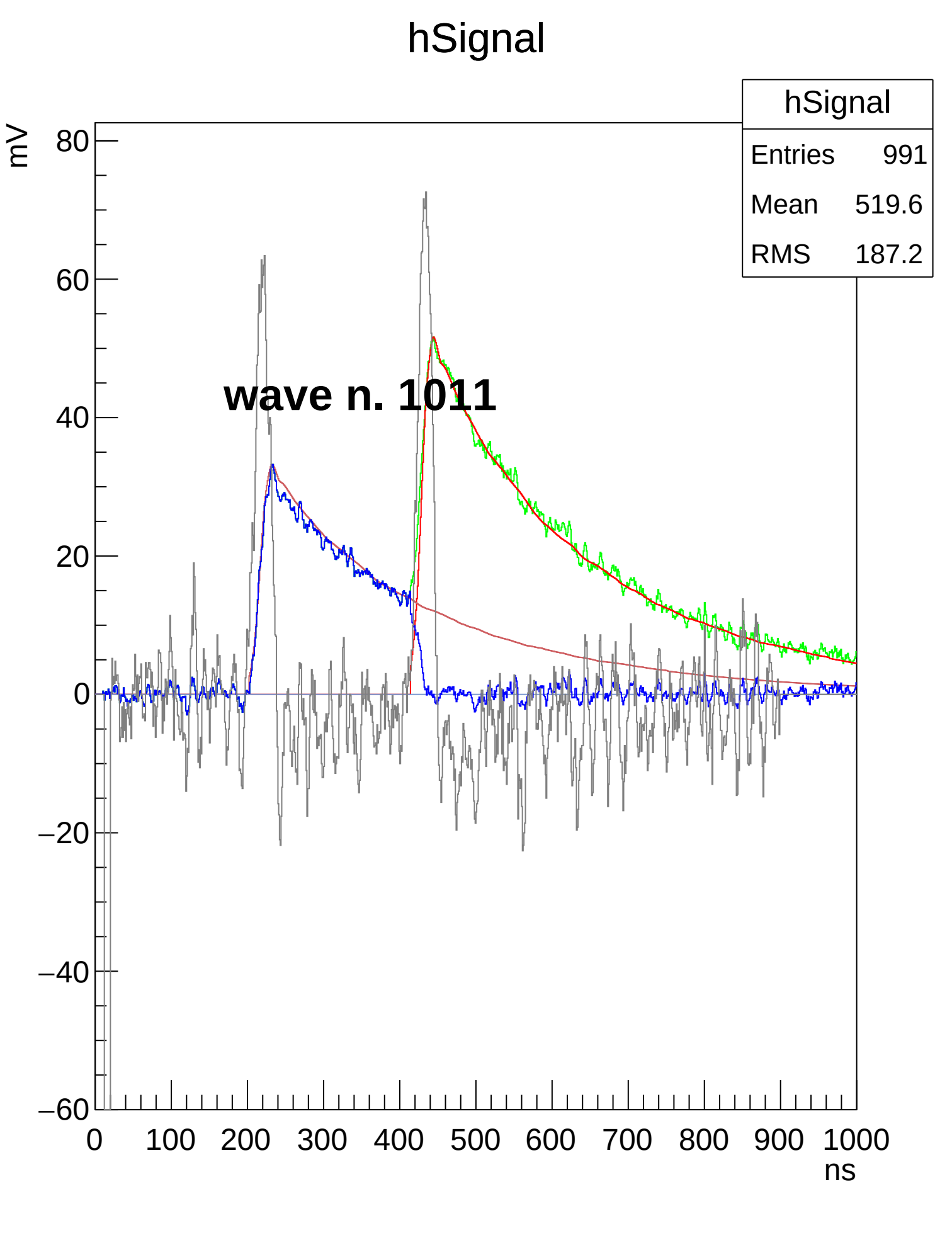

hSignal
hSignal
Entries 991
Mean 588.7
RMS 149.7
wave n. 1006
mV
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

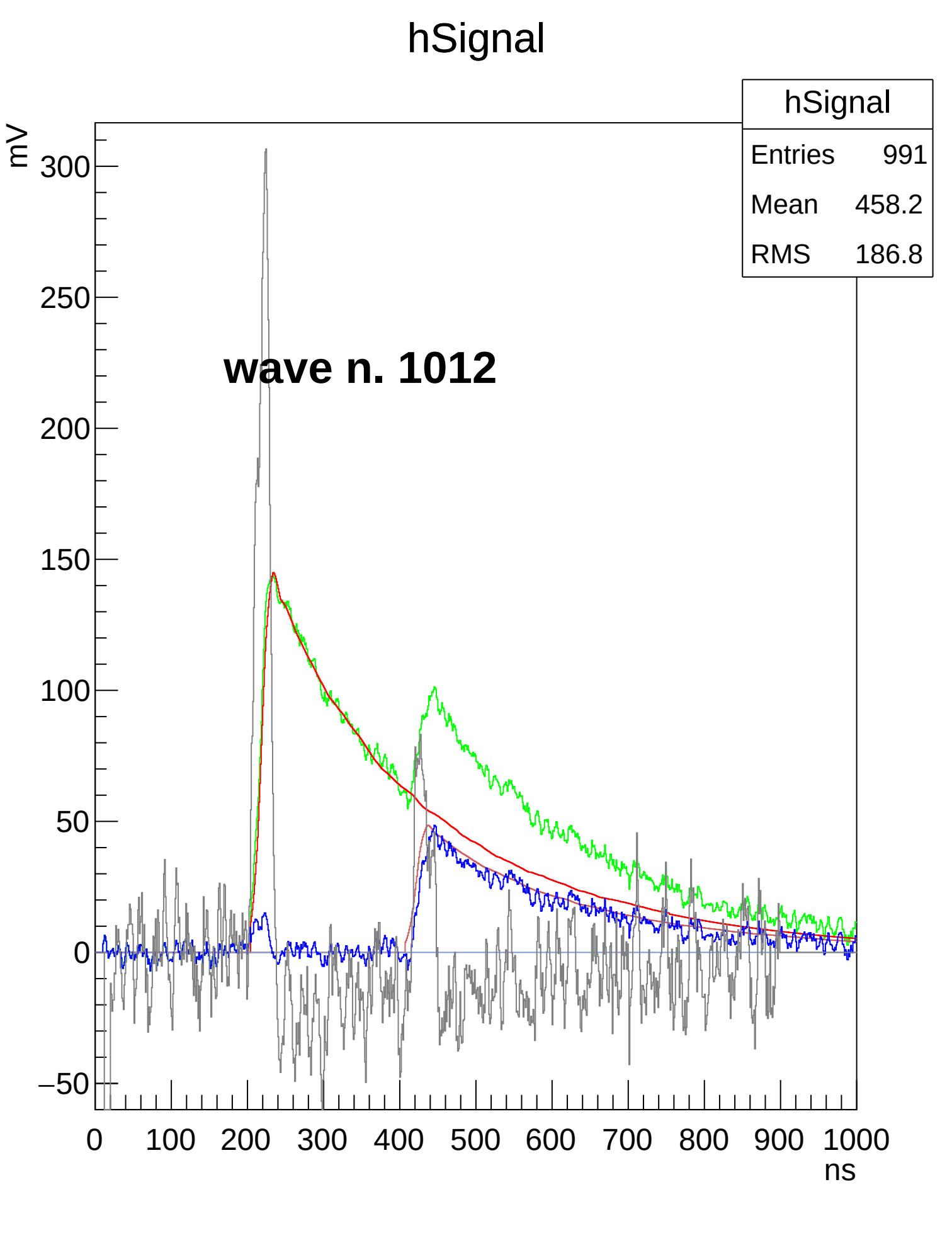

hSignal
hSignal
Entries 991
Mean 591.6
RMS 148.9
wave n. 1007
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

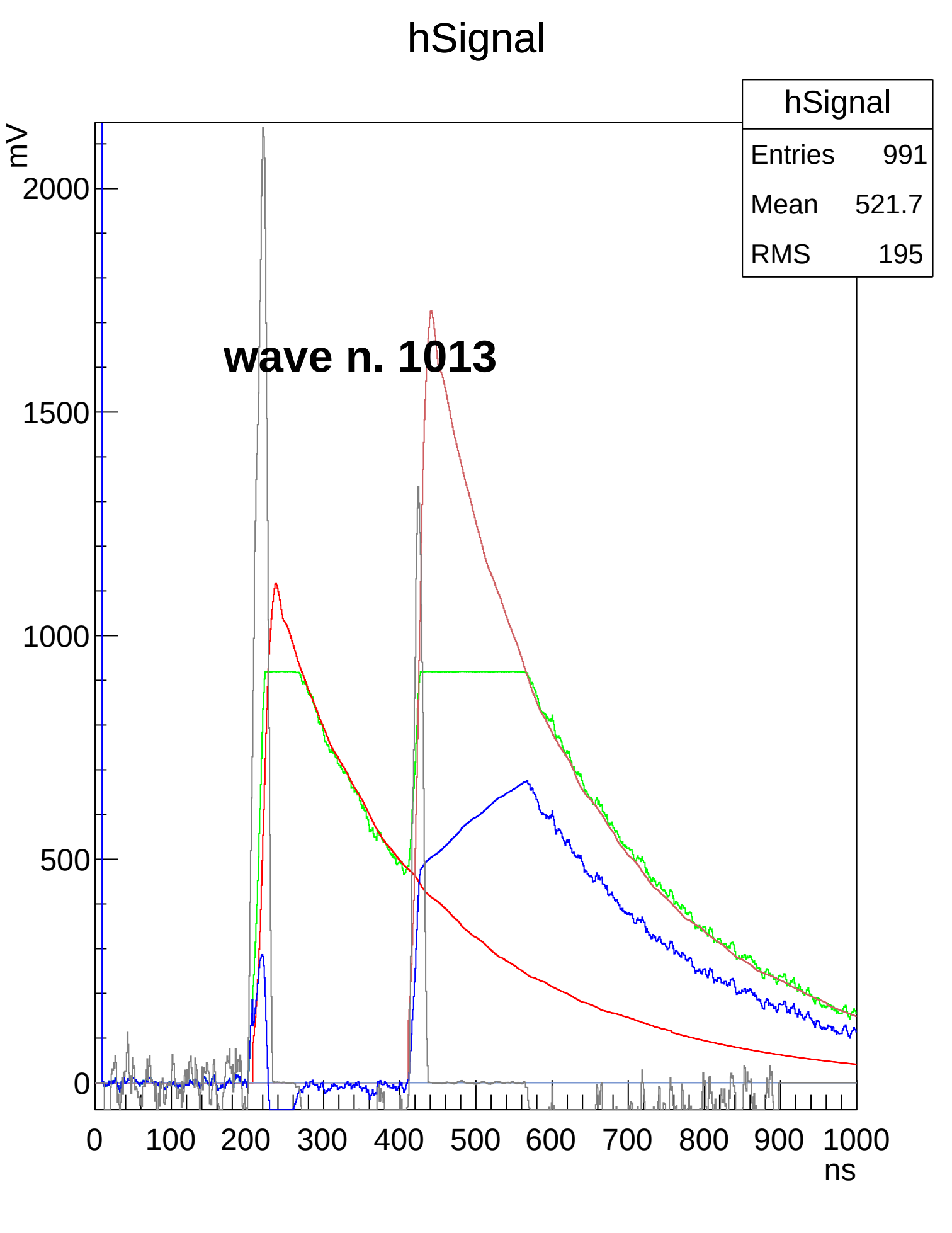

hSignal
hSignal
Entries 991
Mean 598.3
RMS 157.3
wave n. 1008
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

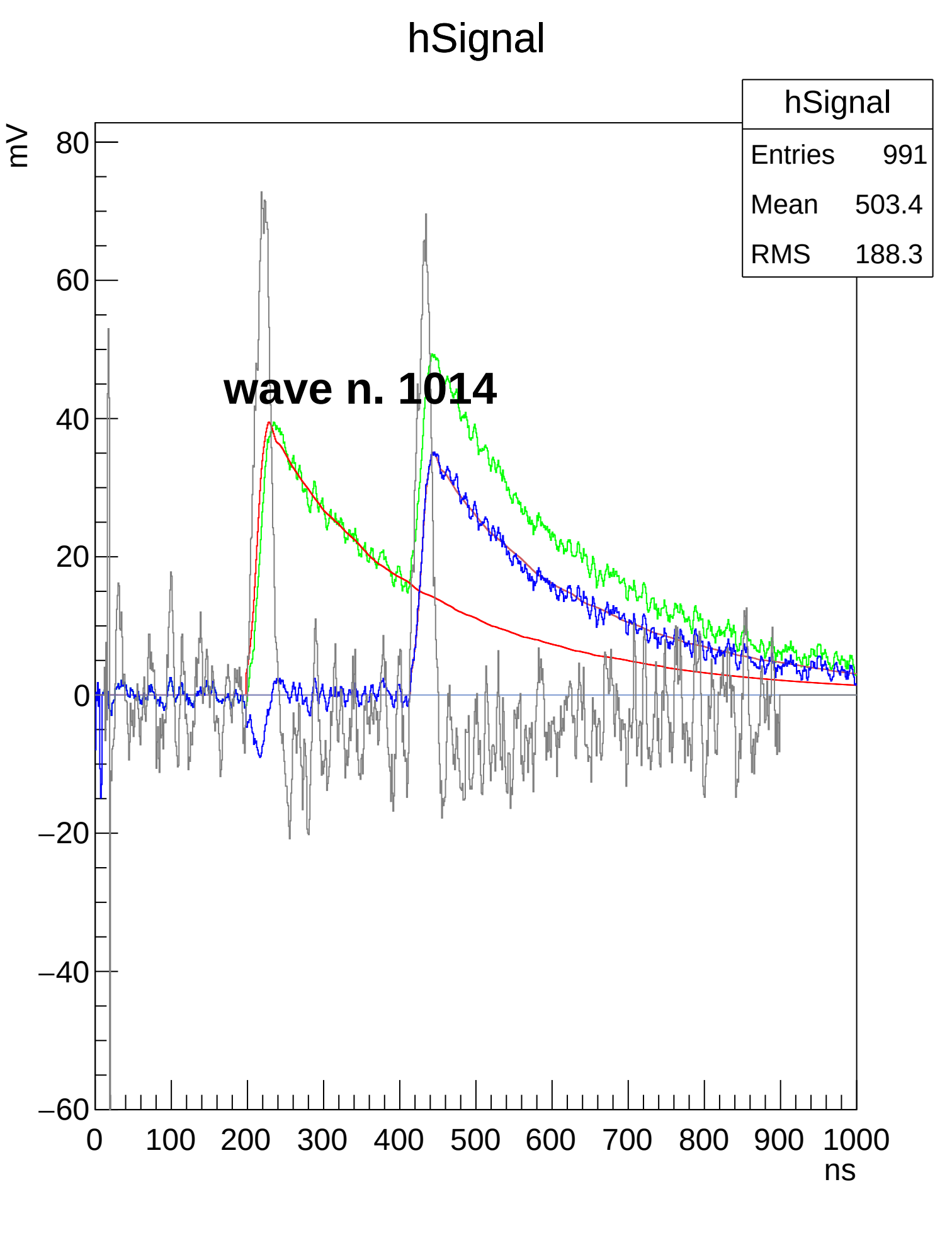

hSignal
hSignal
Entries 991
Mean 558
RMS 163
wave n. 1009
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

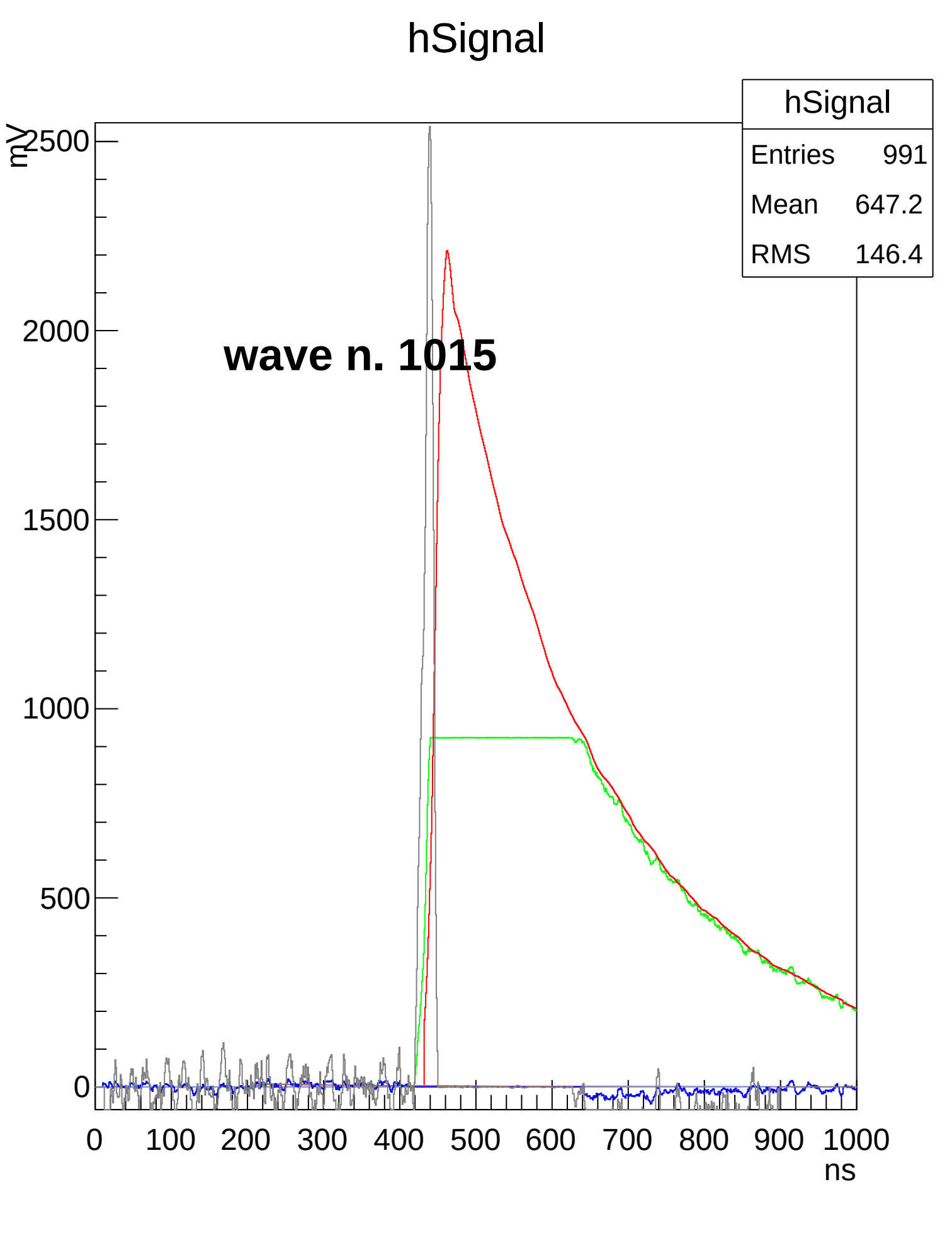

hSignal
hSignal
Entries 991
Mean 546
RMS 175.7
wave n. 1010
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

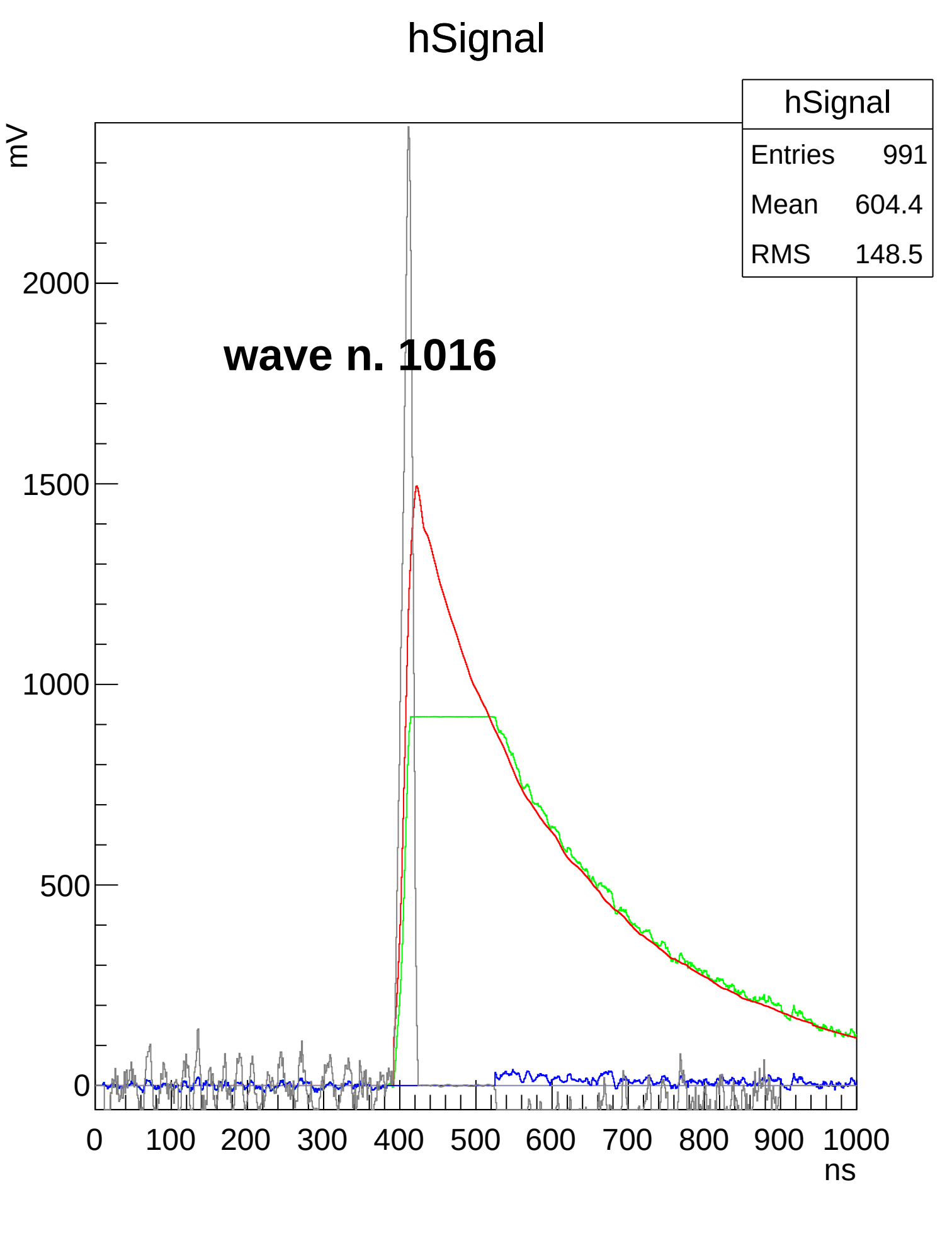

hSignal
hSignal
Entries 991
Mean 519.6
RMS 187.2
wave n. 1011
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

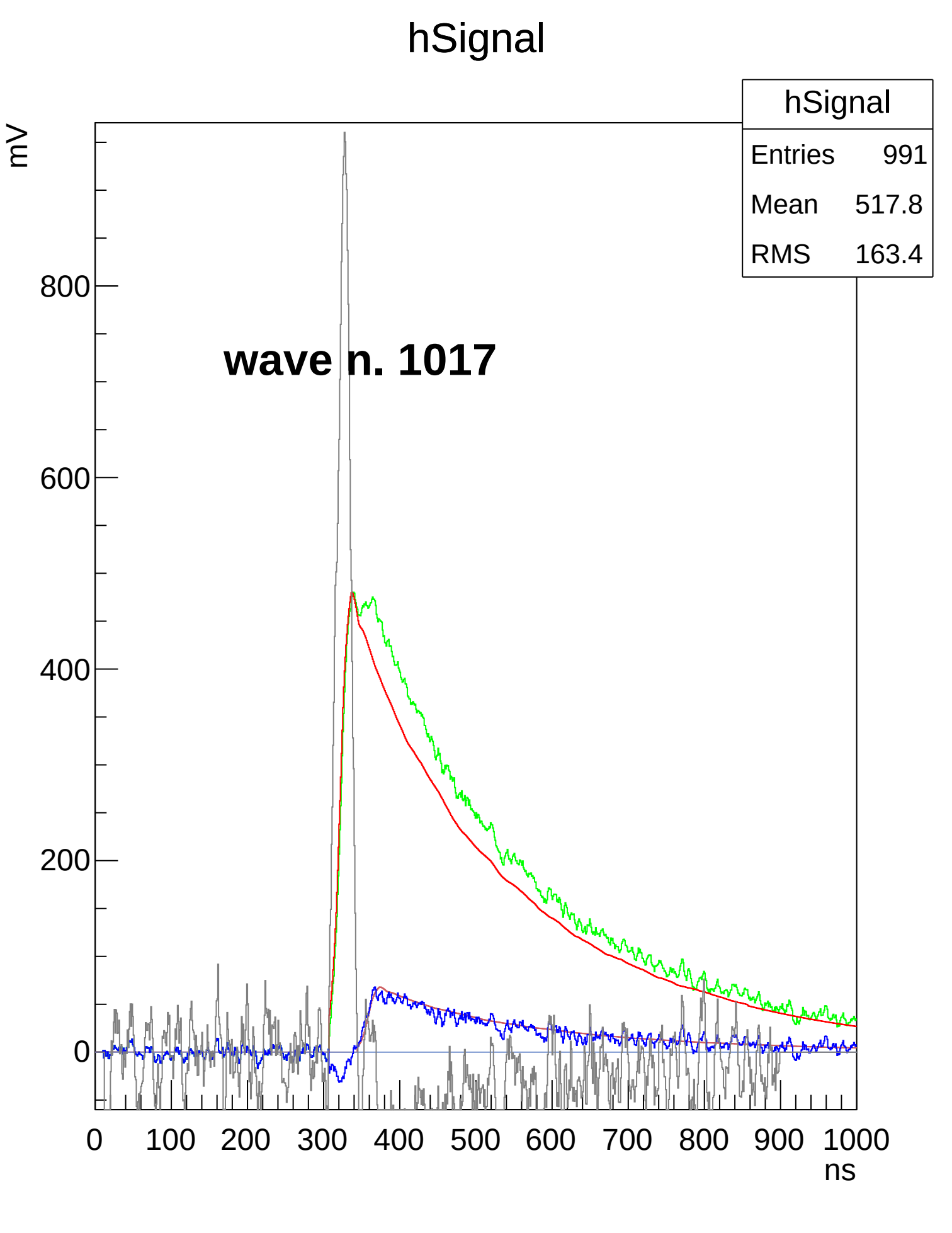

hSignal
hSignal
Entries 991
Mean 458.2
RMS 186.8
wave n. 1012
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

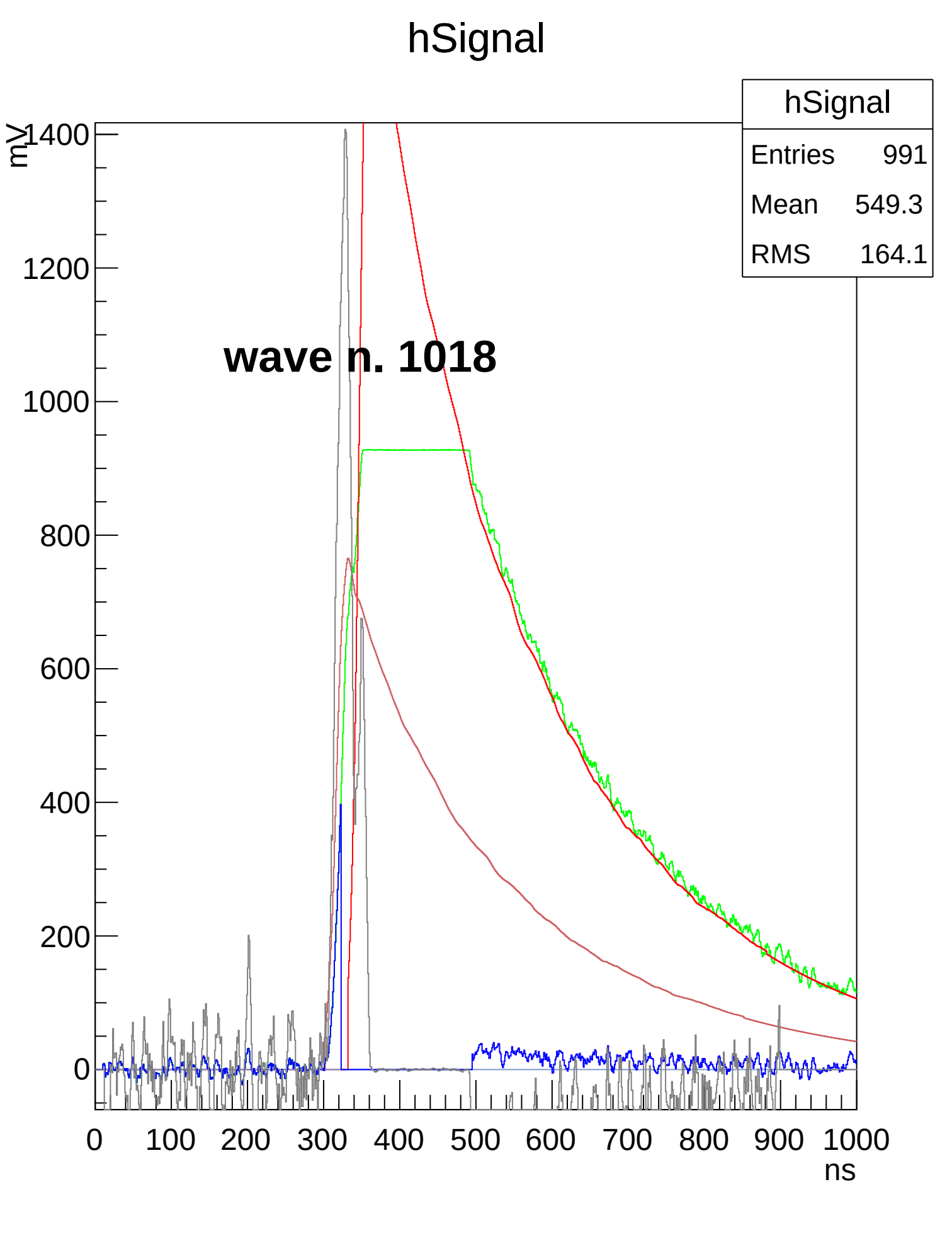

hSignal
hSignal
Entries 991
Mean 521.7
RMS 195
wave n. 1013
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

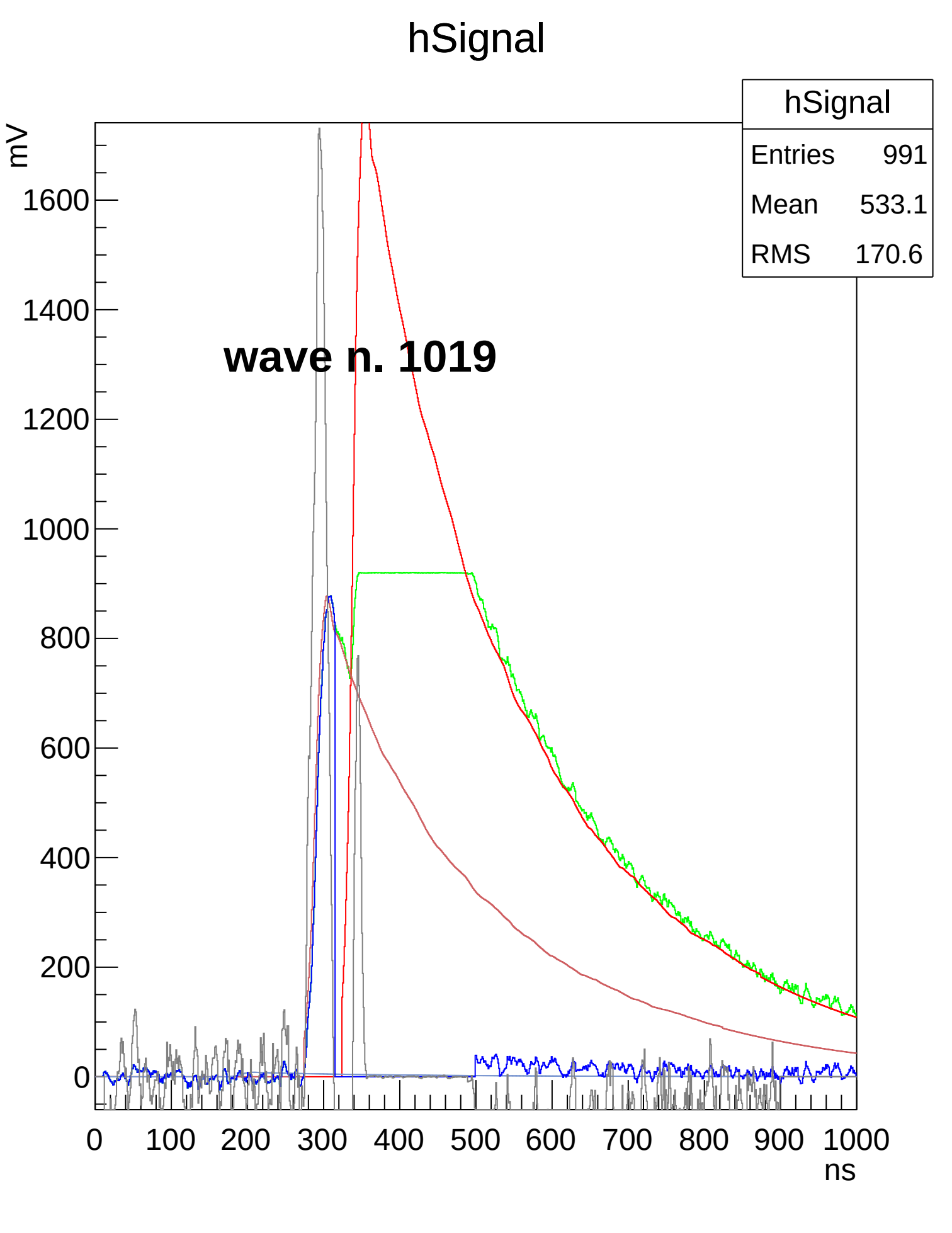

hSignal
hSignal
Entries 991
Mean 503.4
RMS 188.3
wave n. 1014
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

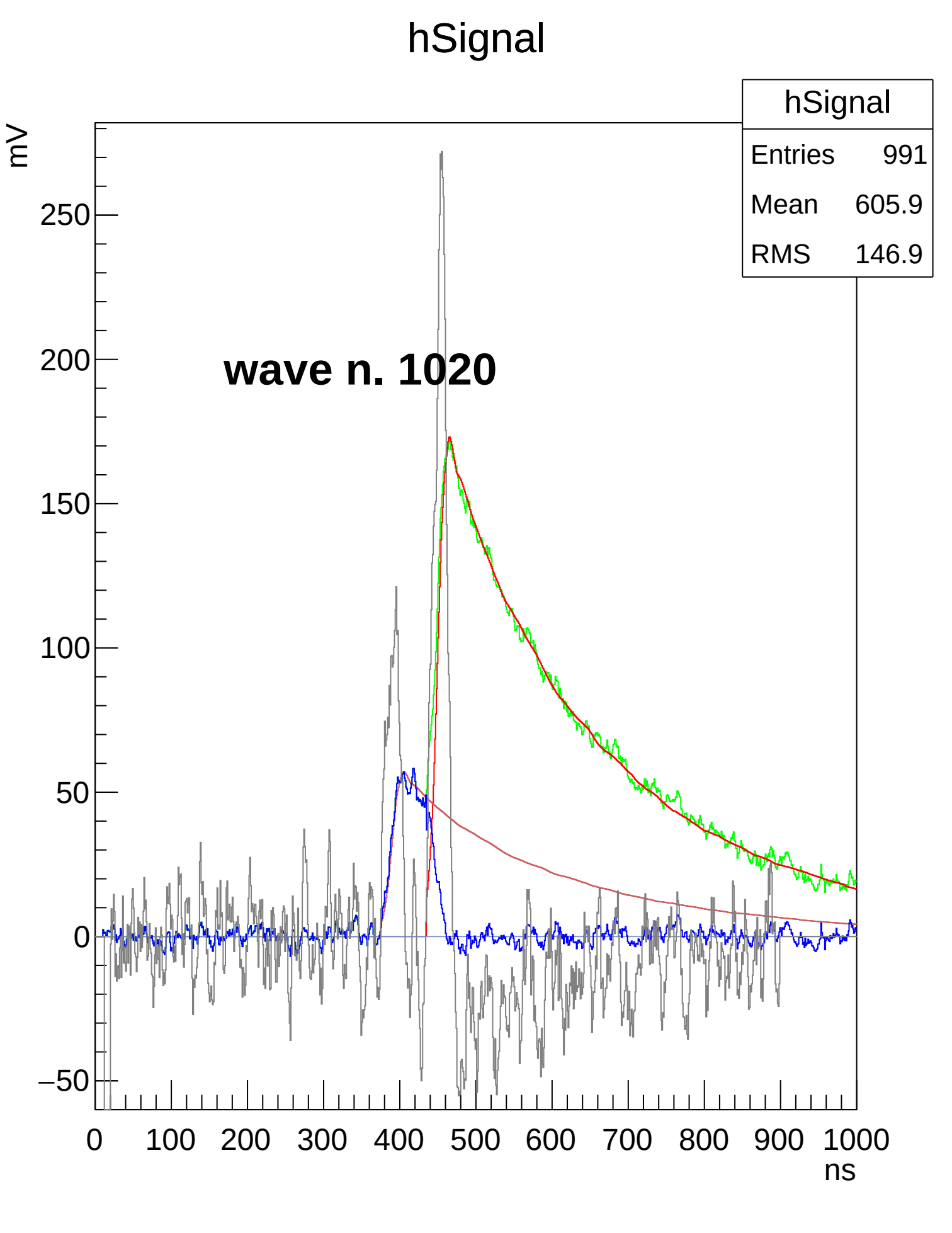

hSignal
hSignal
Entries 991
Mean 647.2
RMS 146.4
wave n. 1015
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

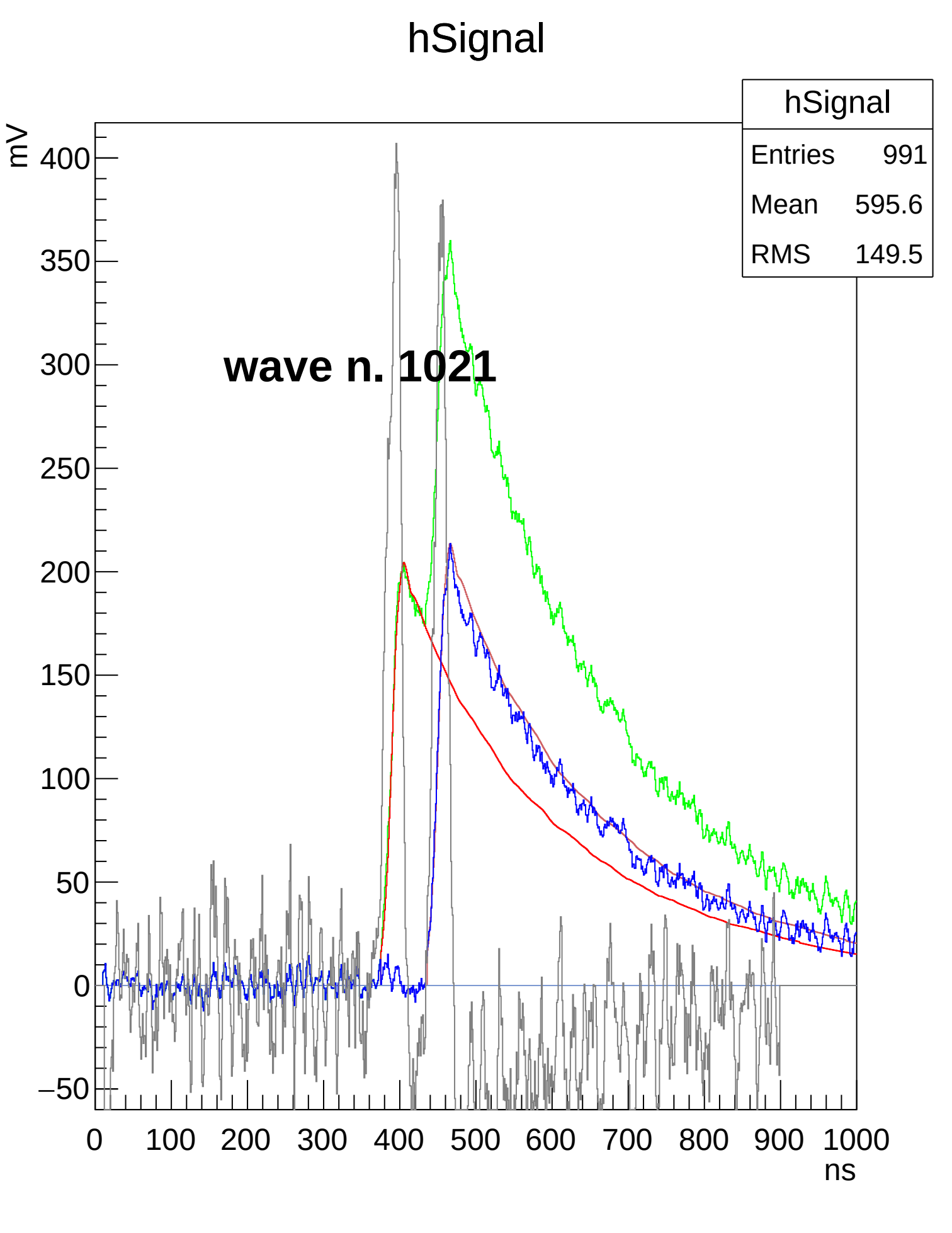

hSignal
hSignal
Entries 991
Mean 604.4
RMS 148.5
wave n. 1016
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

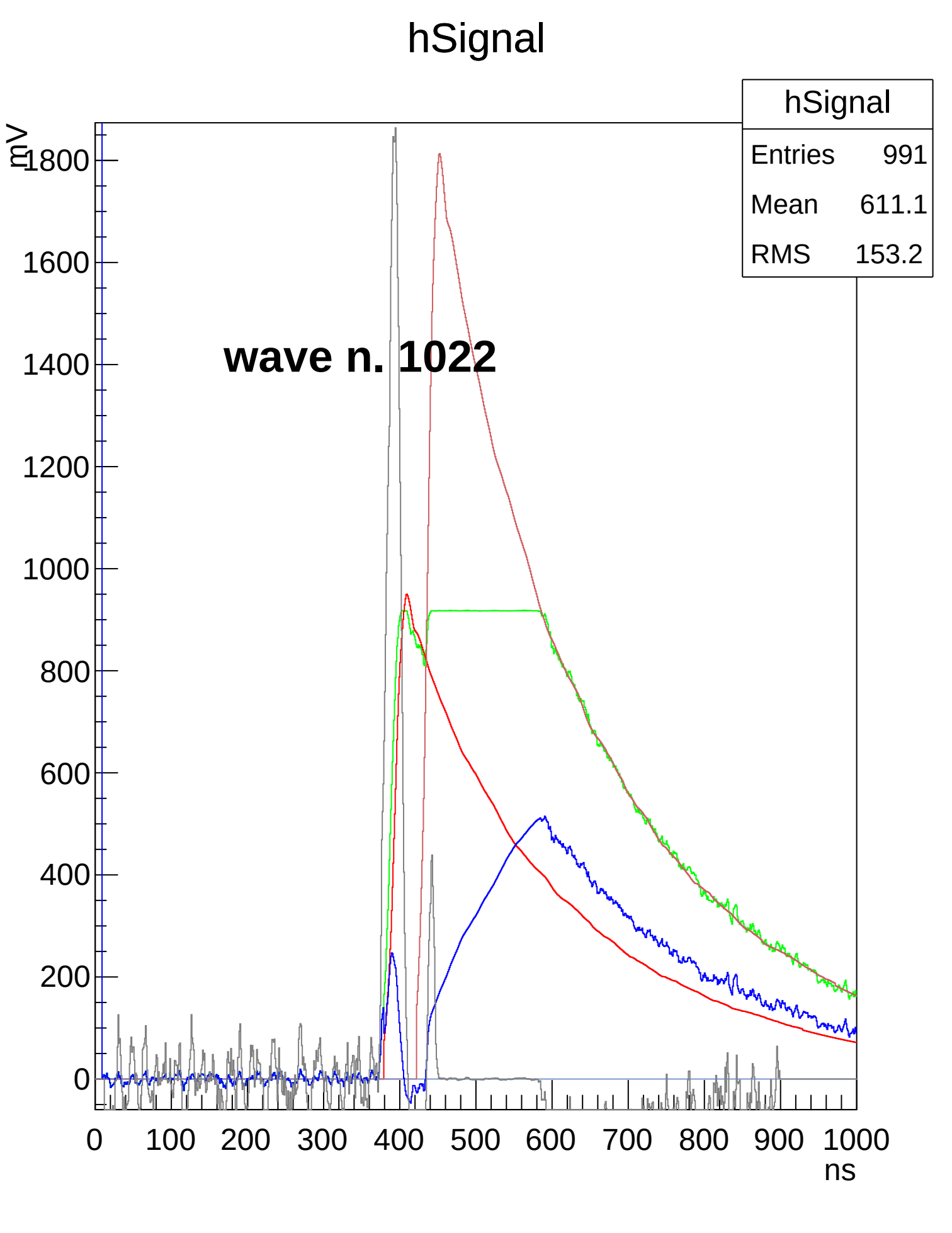

hSignal
hSignal
Entries 991
Mean 517.8
RMS 163.4
wave n. 1017
mV
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

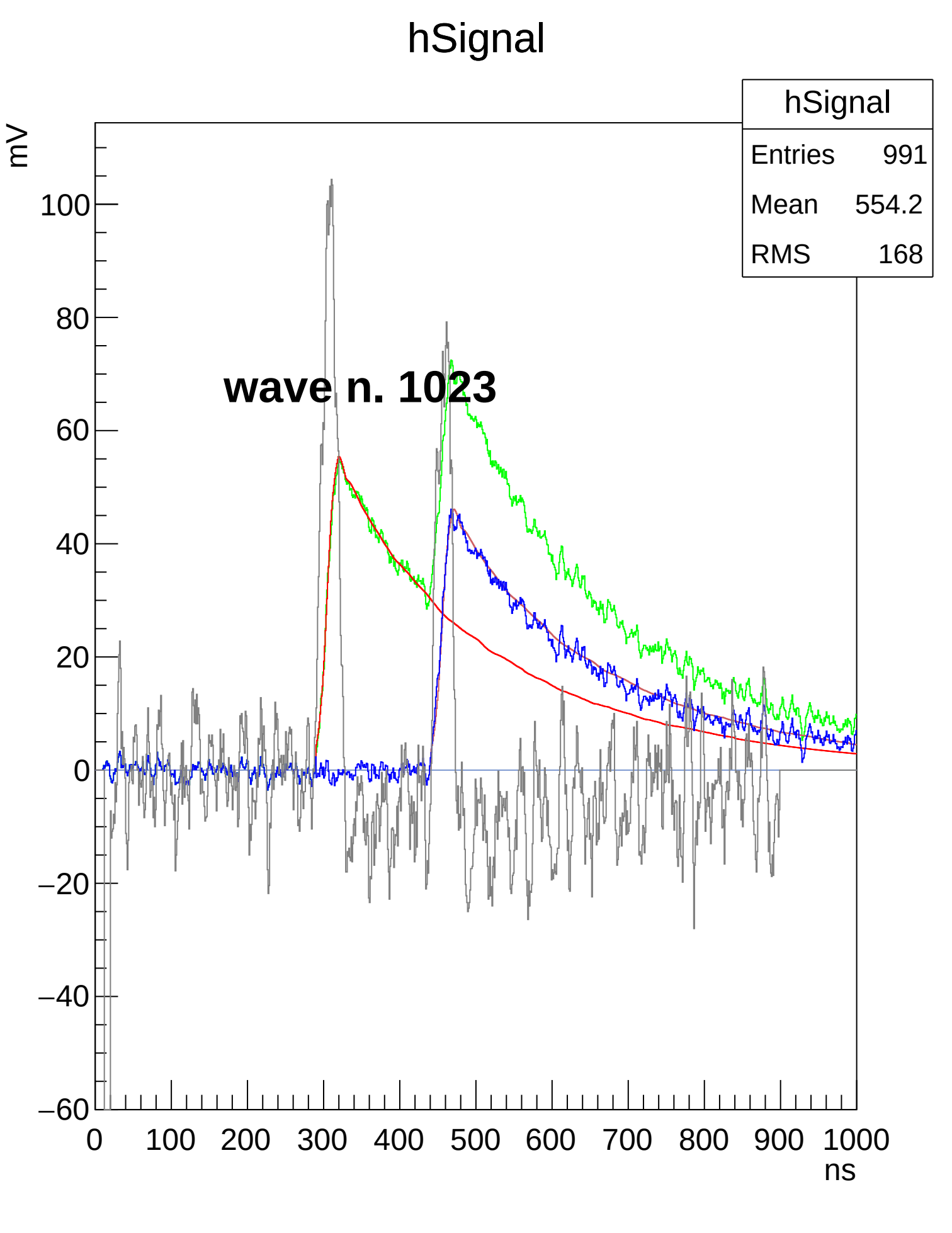

hSignal
hSignal
Entries 991
Mean 549.3
RMS 164.1
wave n. 1018
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

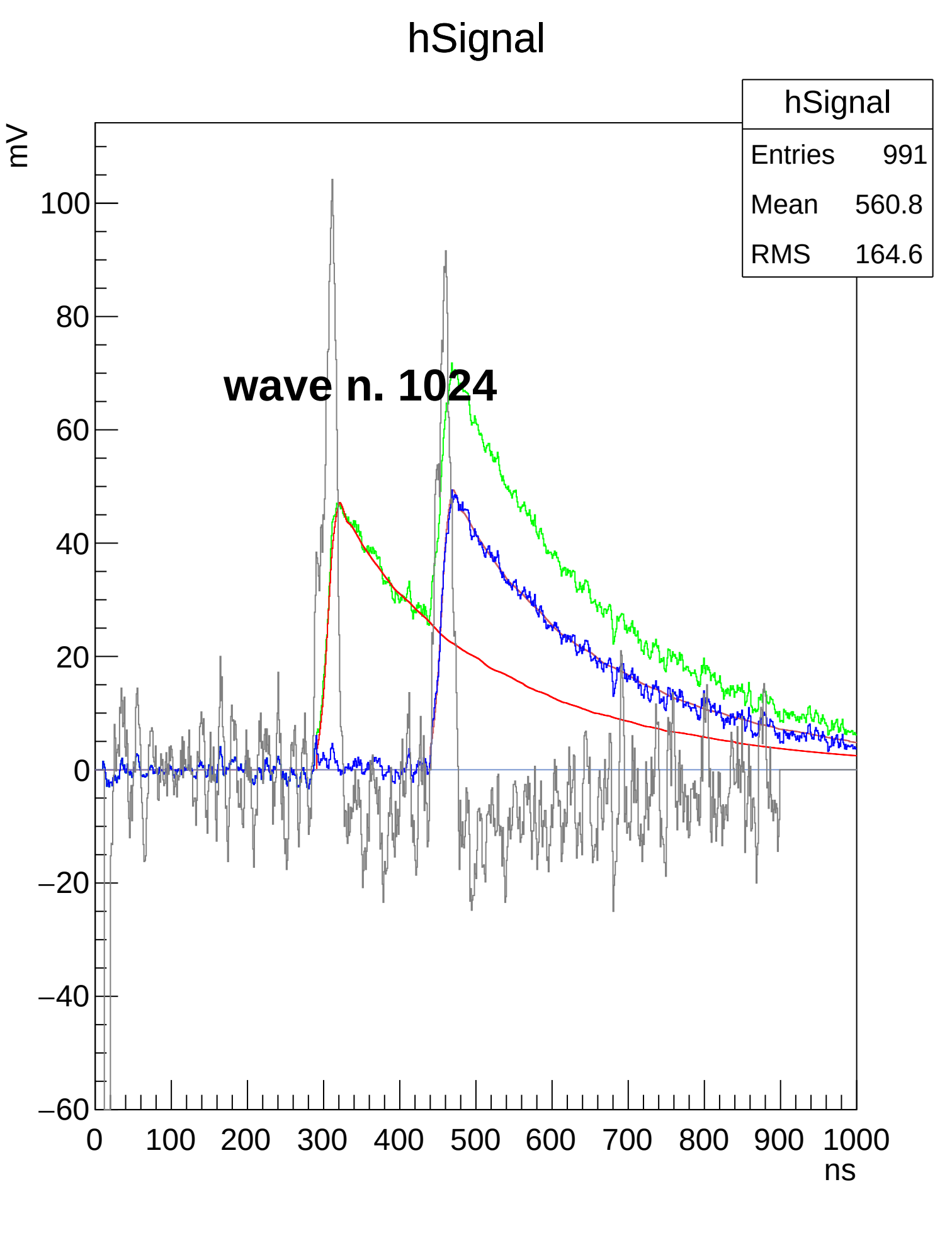

hSignal
hSignal
Entries 991
Mean 533.1
RMS 170.6
wave n. 1019
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

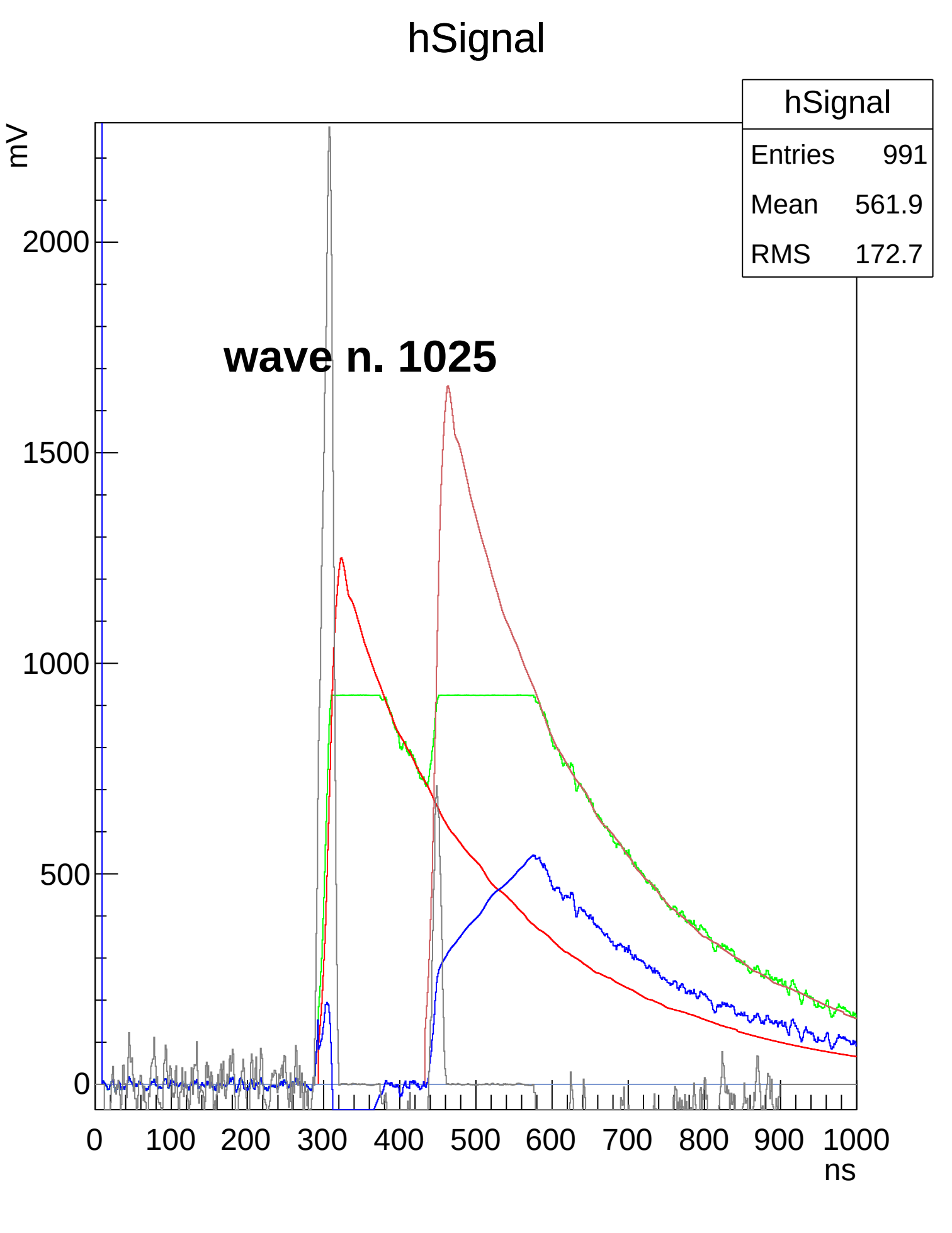

hSignal
hSignal
Entries 991
Mean 605.9
RMS 146.9
wave n. 1020
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

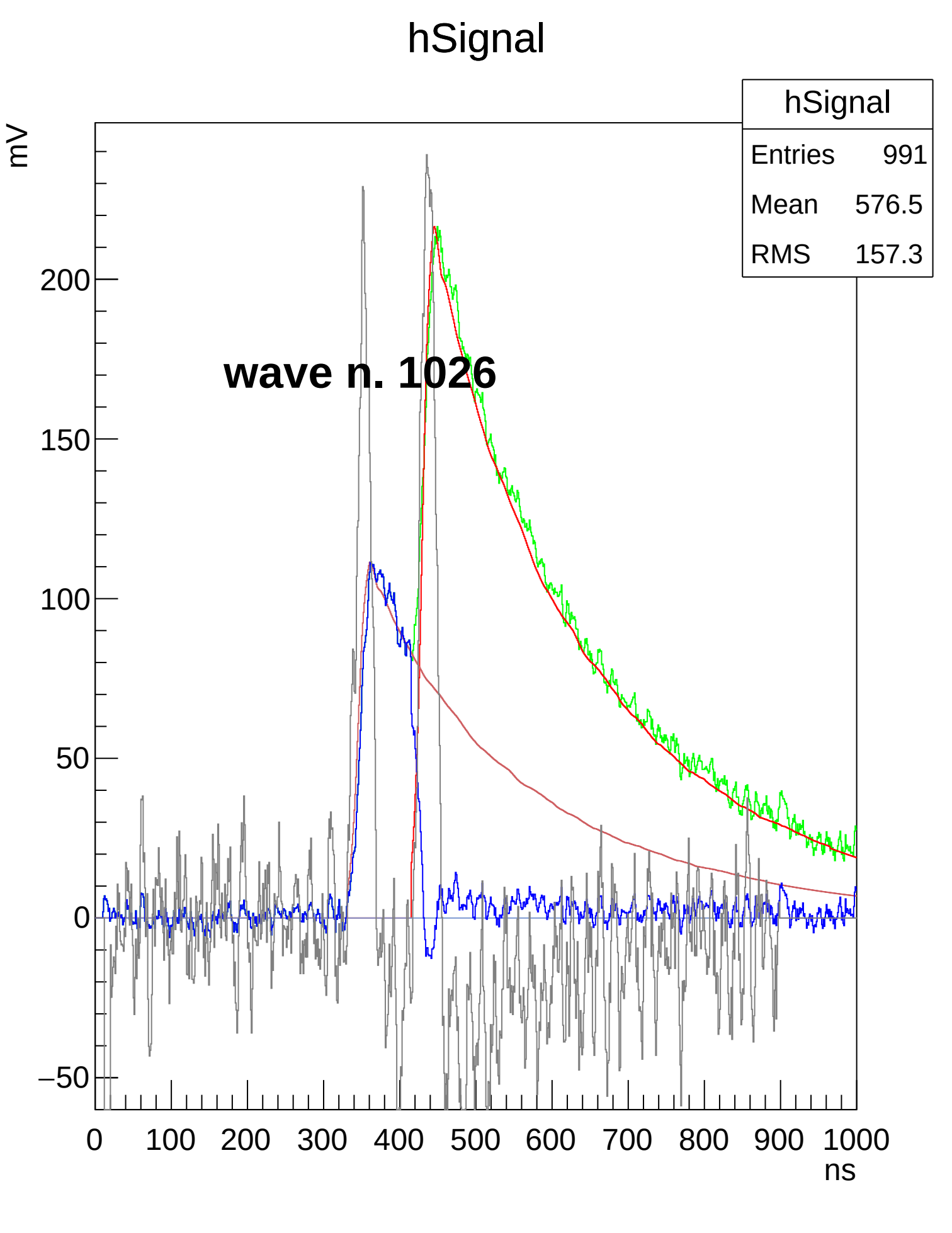

hSignal
hSignal
Entries 991
Mean 595.6
RMS 149.5
wave n. 1021
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

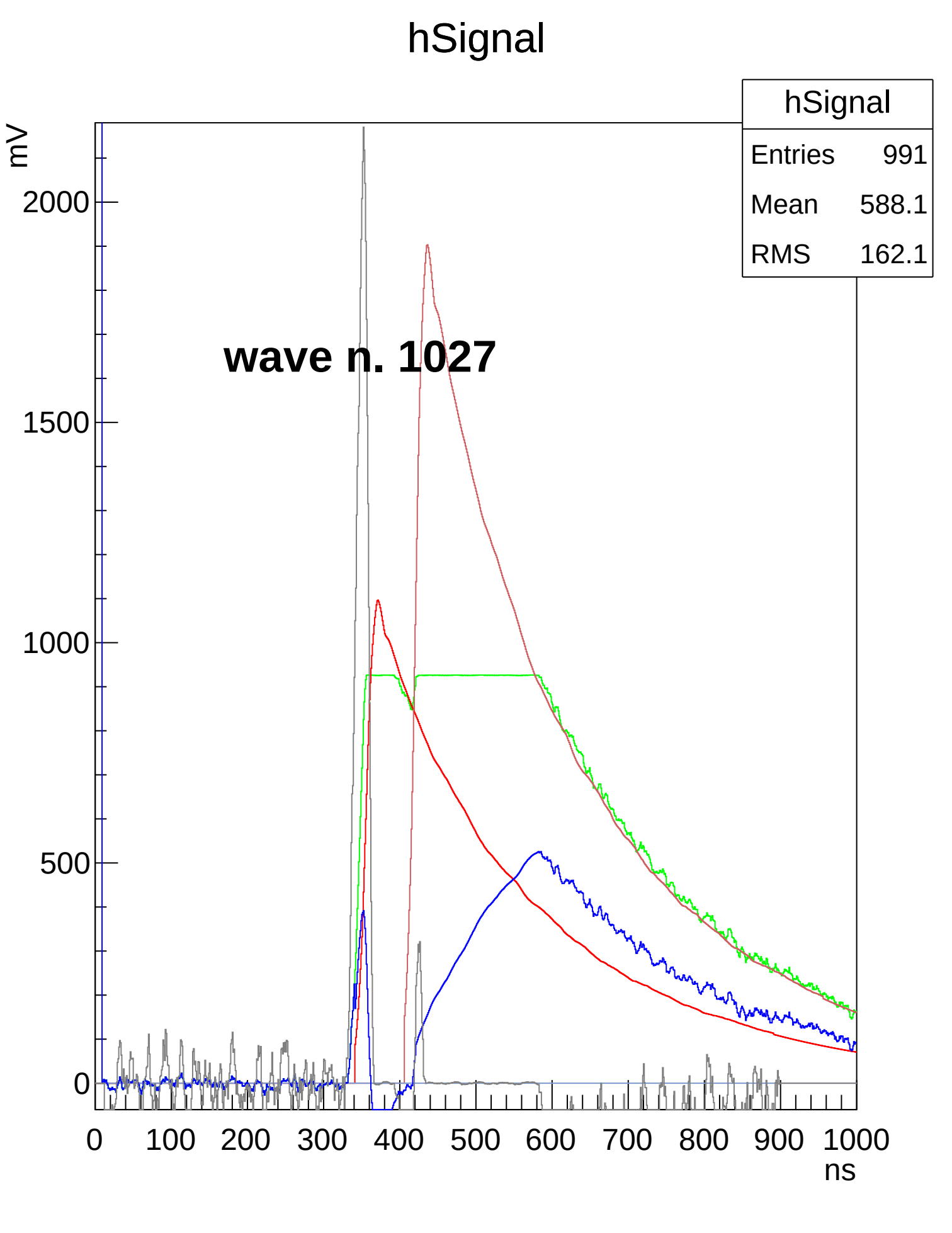

hSignal
hSignal
Entries 991
Mean 611.1
RMS 153.2
wave n. 1022
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

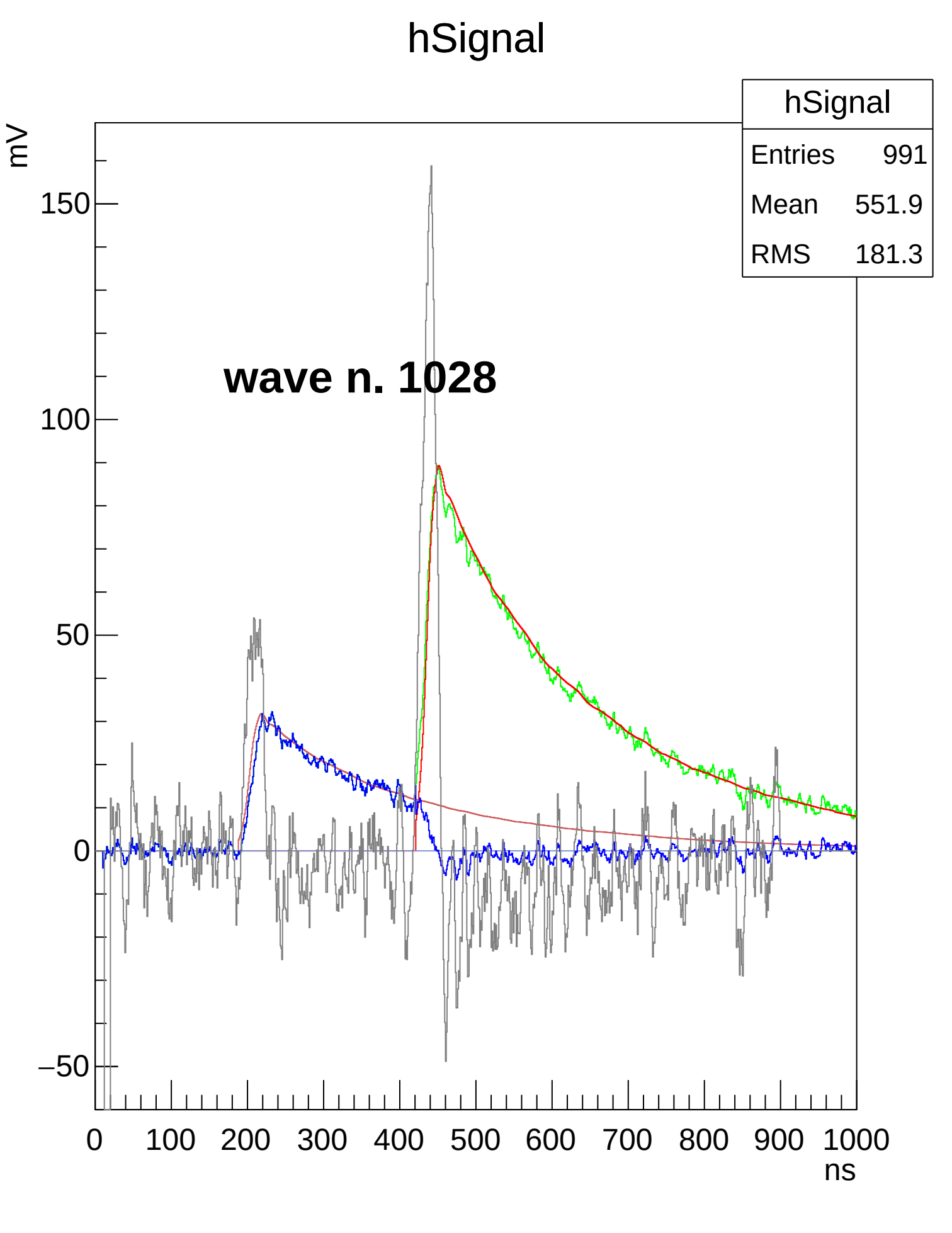

hSignal
hSignal
Entries 991
Mean 554.2
RMS 168
wave n. 1023
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

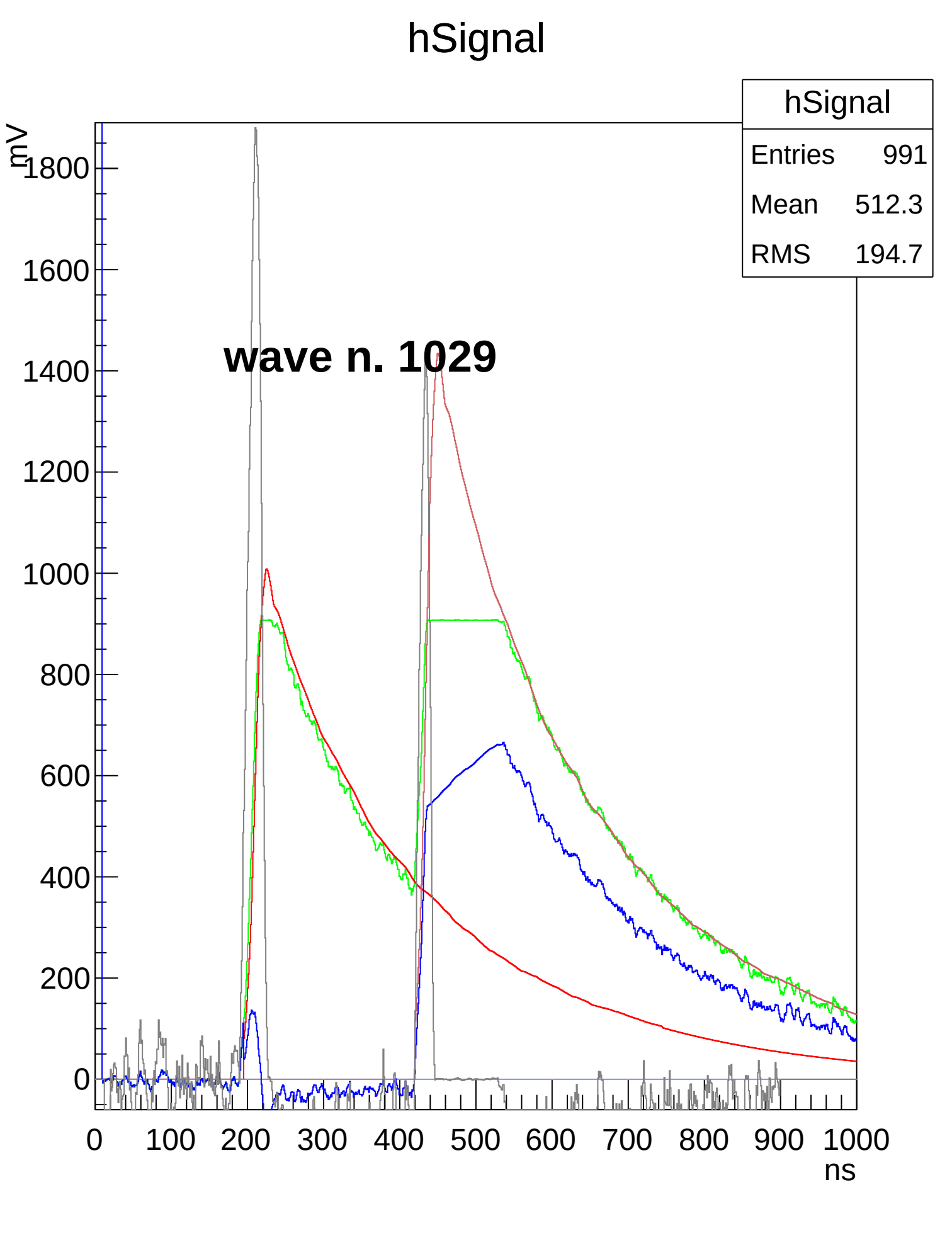

hSignal
hSignal
Entries 991
Mean 560.8
RMS 164.6
wave n. 1024
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

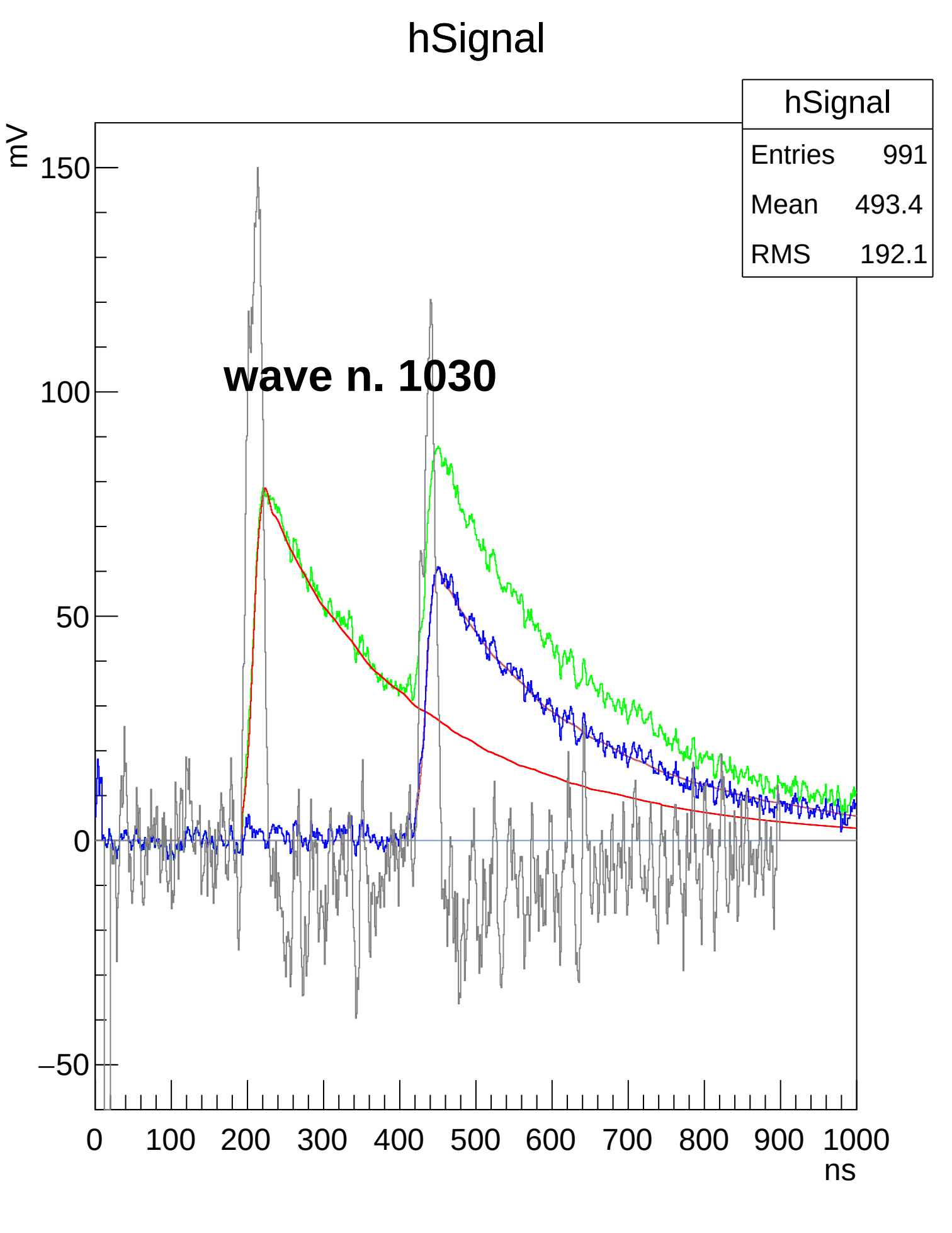

hSignal
hSignal
Entries 991
Mean 561.9
RMS 172.7
wave n. 1025
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

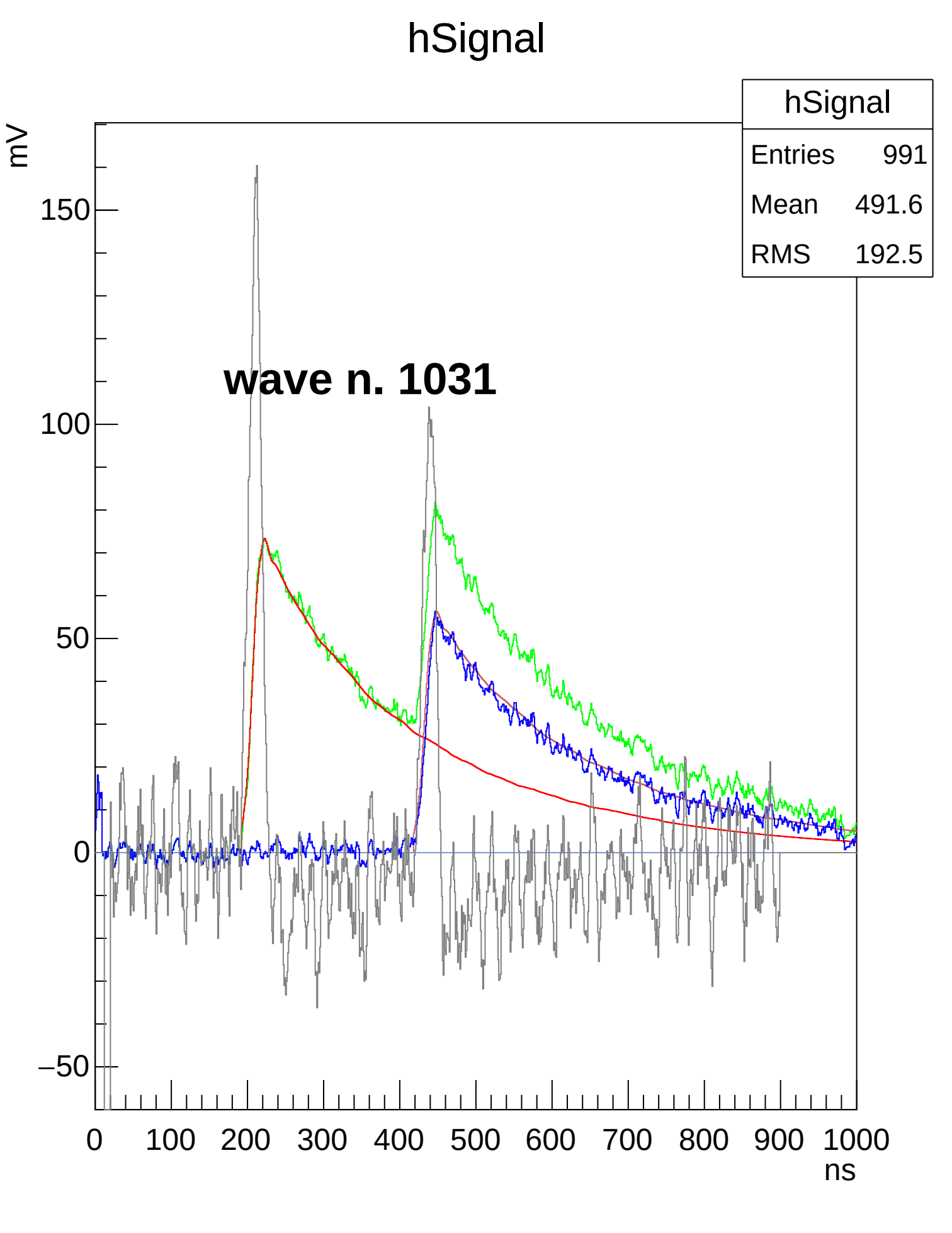

hSignal
hSignal
Entries 991
Mean 576.5
RMS 157.3
wave n. 1026
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

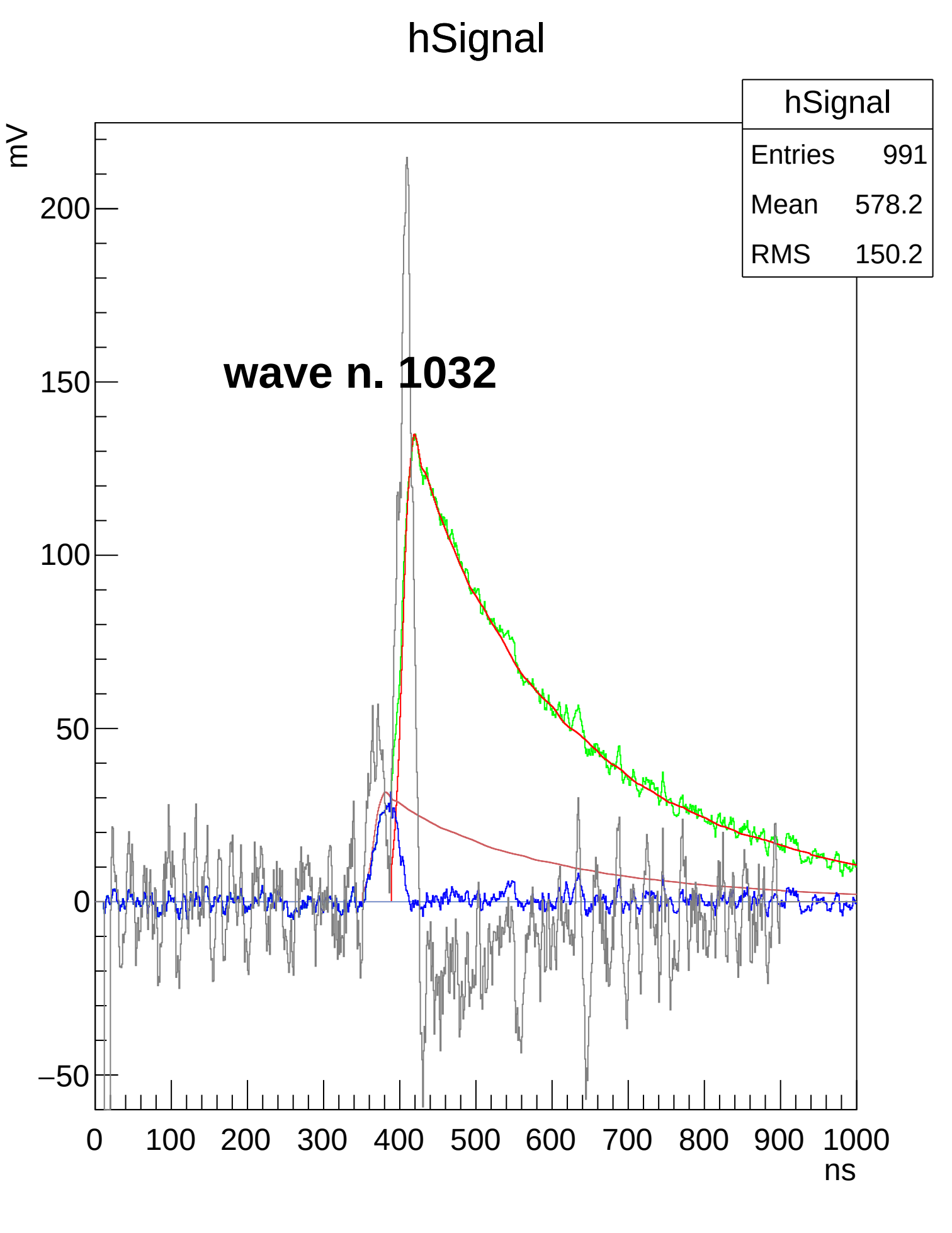

hSignal
hSignal
Entries 991
Mean 588.1
RMS 162.1
wave n. 1027
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

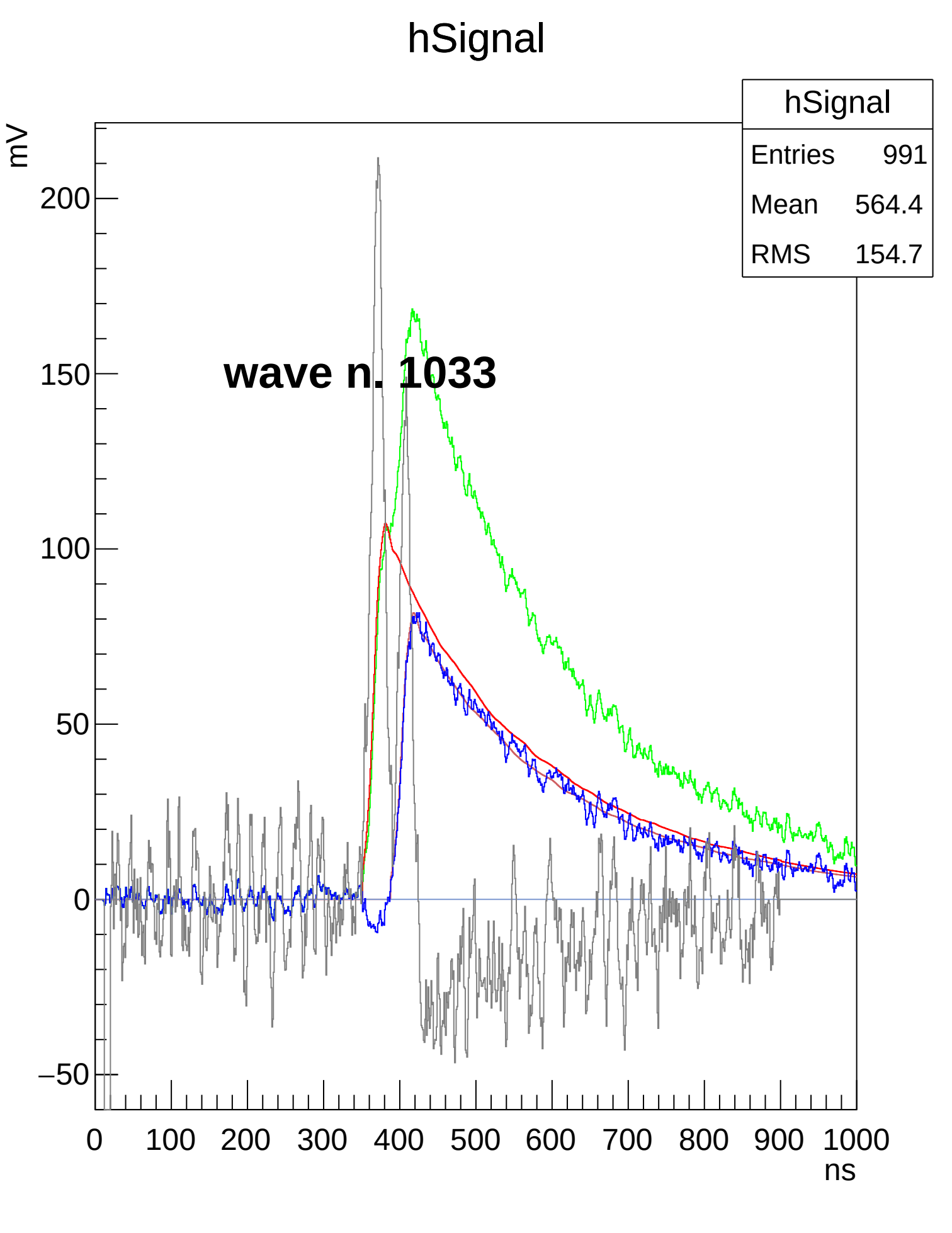

hSignal
hSignal
Entries 991
Mean 551.9
RMS 181.3
wave n. 1028
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

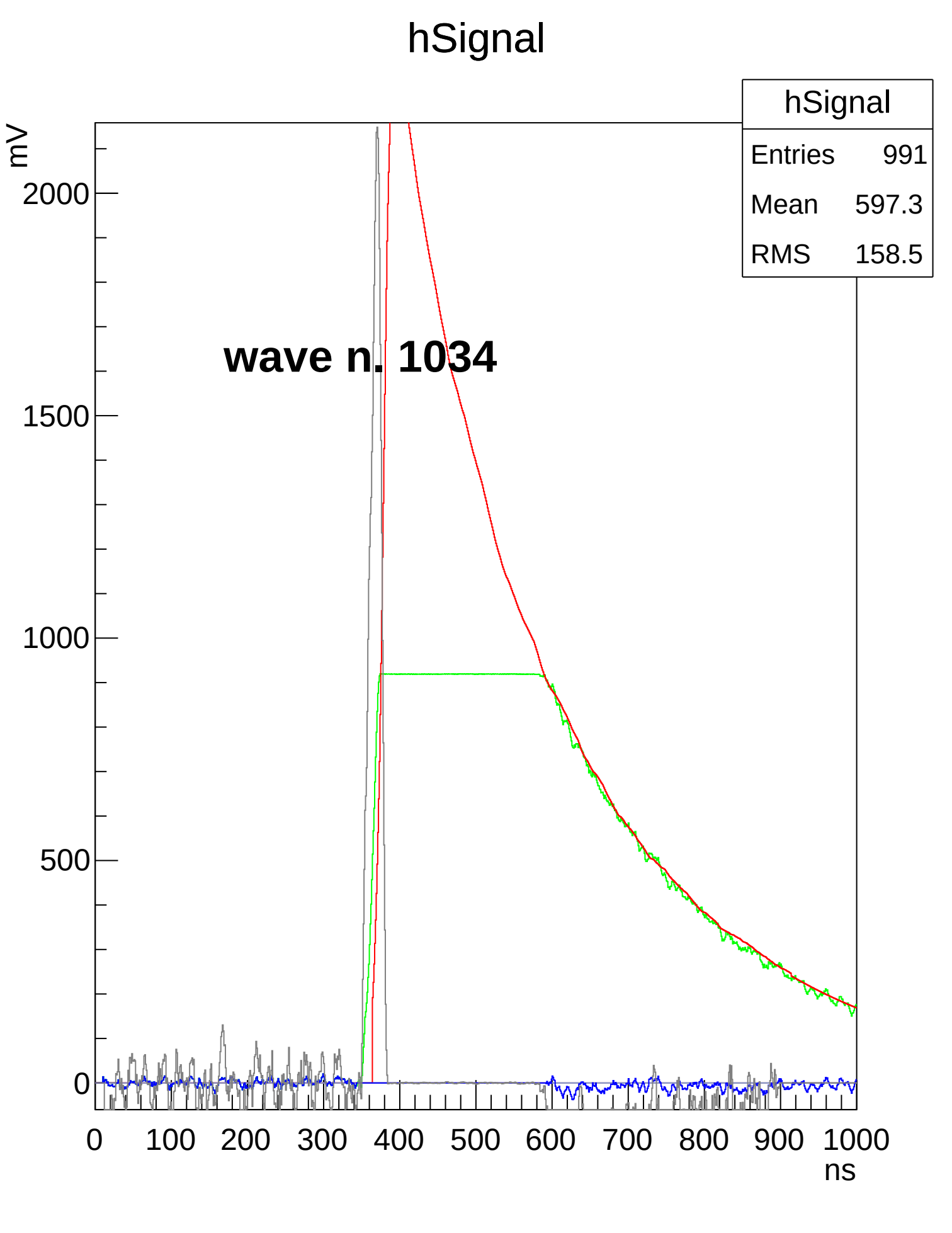

hSignal
hSignal
Entries 991
Mean 512.3
RMS 194.7
wave n. 1029
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

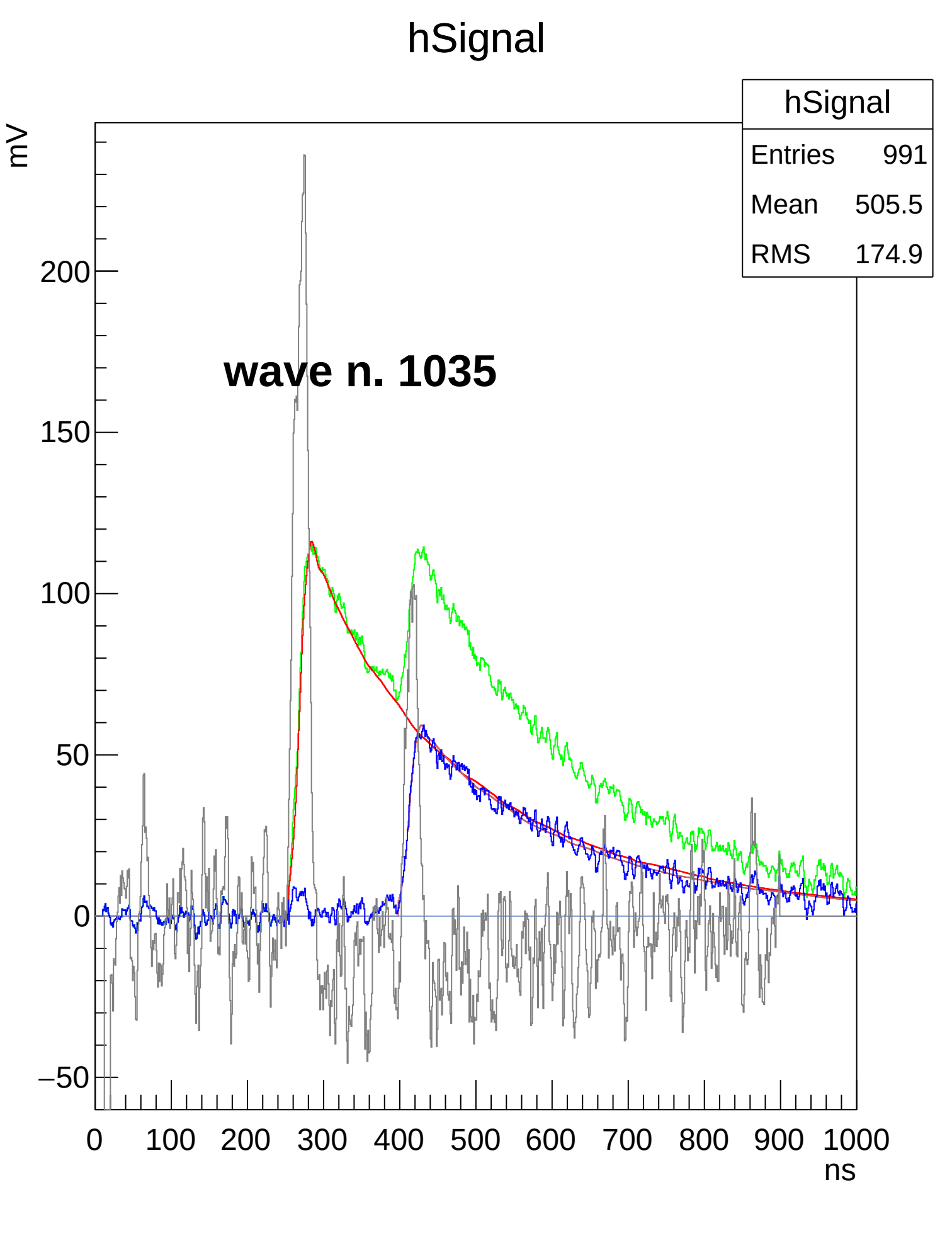

hSignal
hSignal
Entries 991
Mean 493.4
RMS 192.1
wave n. 1030
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

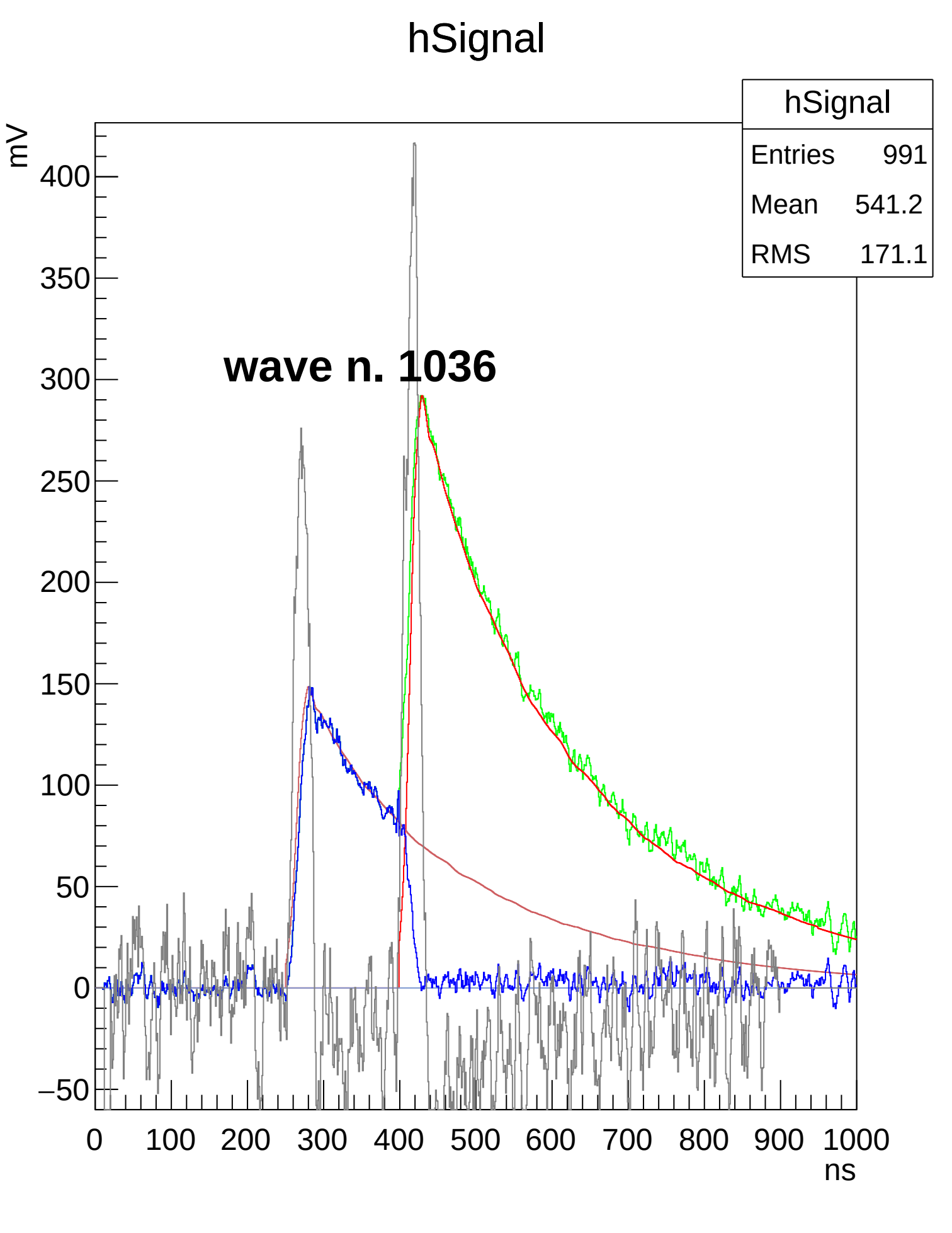

hSignal
hSignal
Entries 991
Mean 491.6
RMS 192.5
wave n. 1031
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

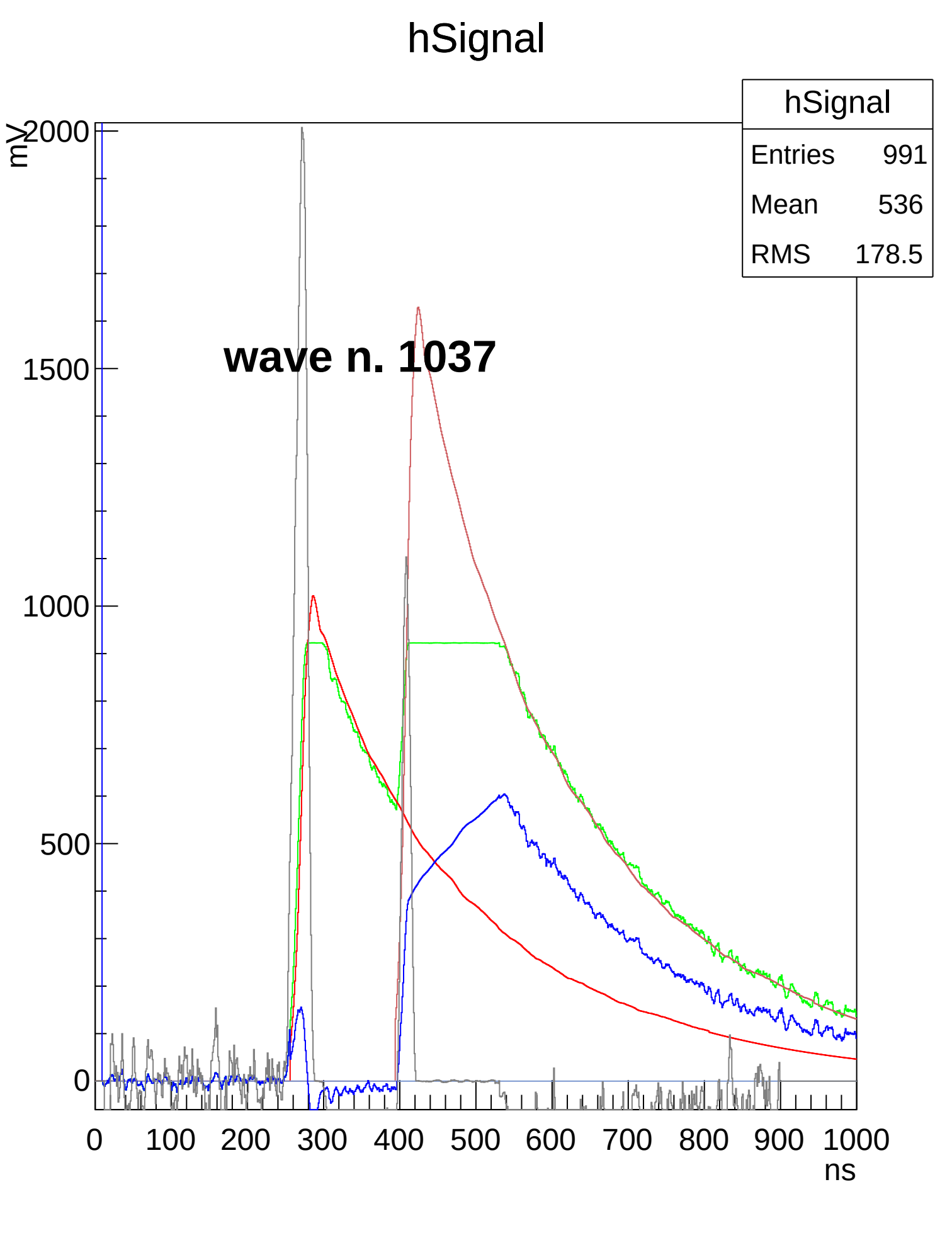

hSignal
hSignal
Entries 991
Mean 578.2
RMS 150.2
wave n. 1032
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

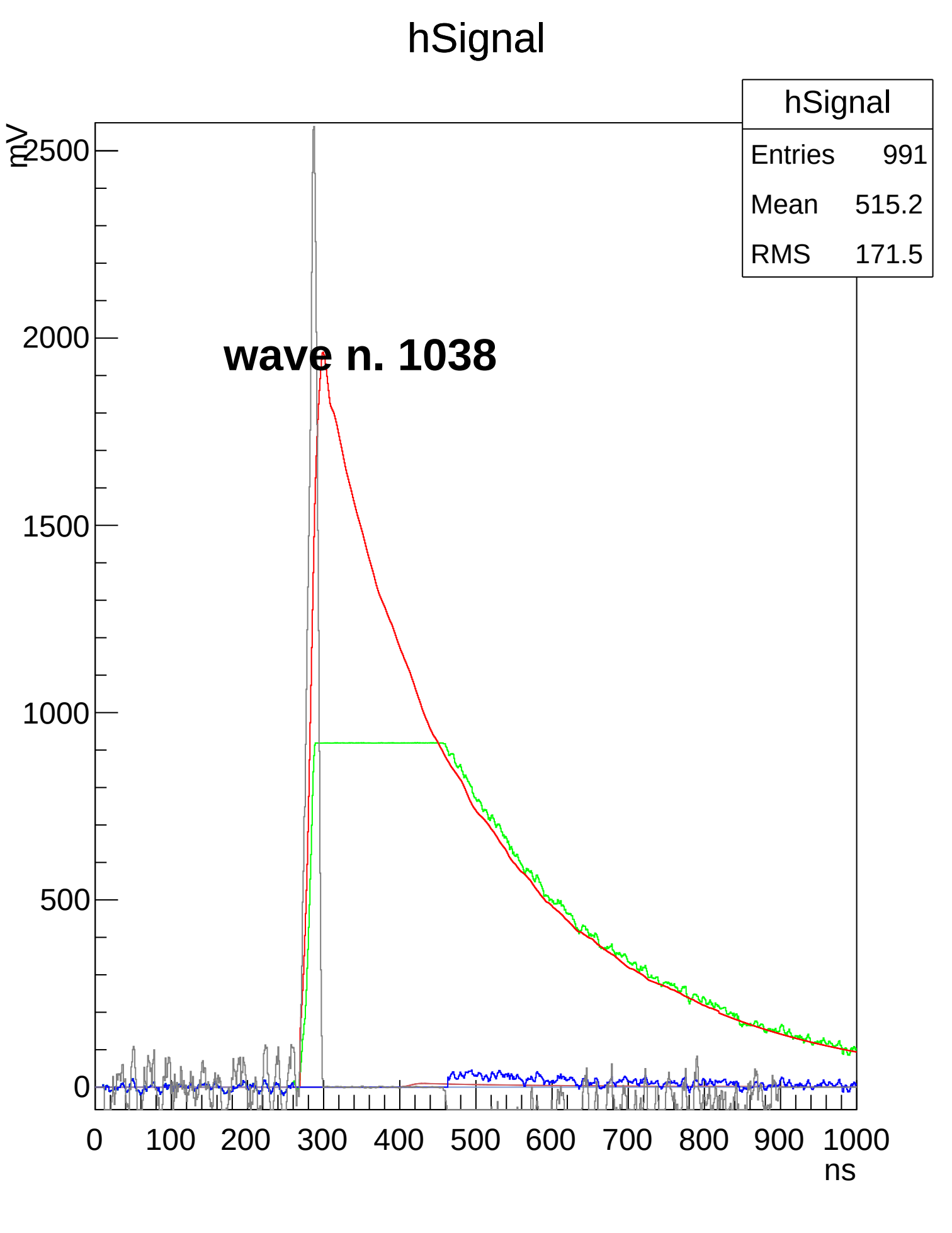

hSignal
hSignal
Entries 991
Mean 564.4
RMS 154.7
wave n. 1033
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

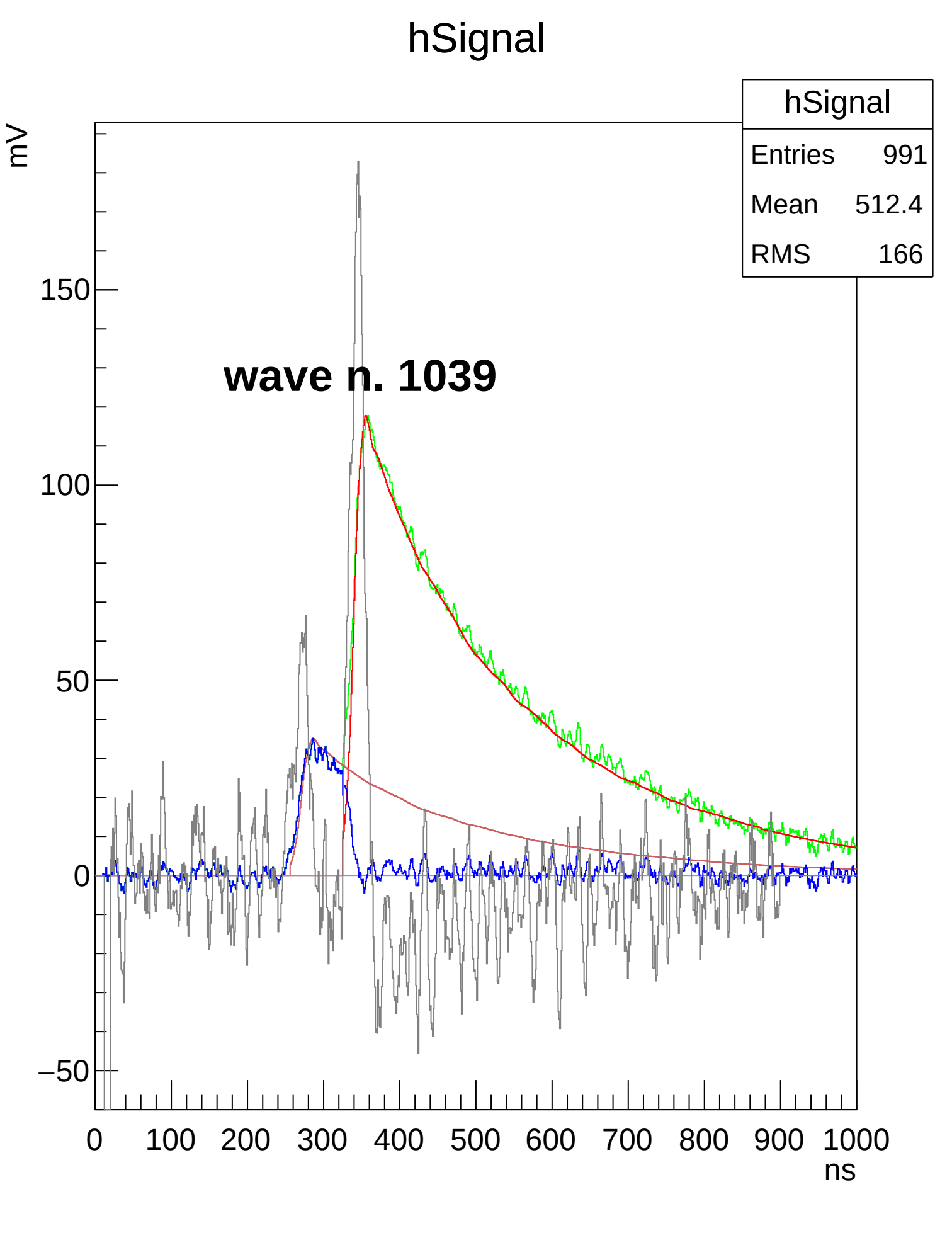

hSignal
hSignal
Entries 991
Mean 597.3
RMS 158.5
wave n. 1034
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

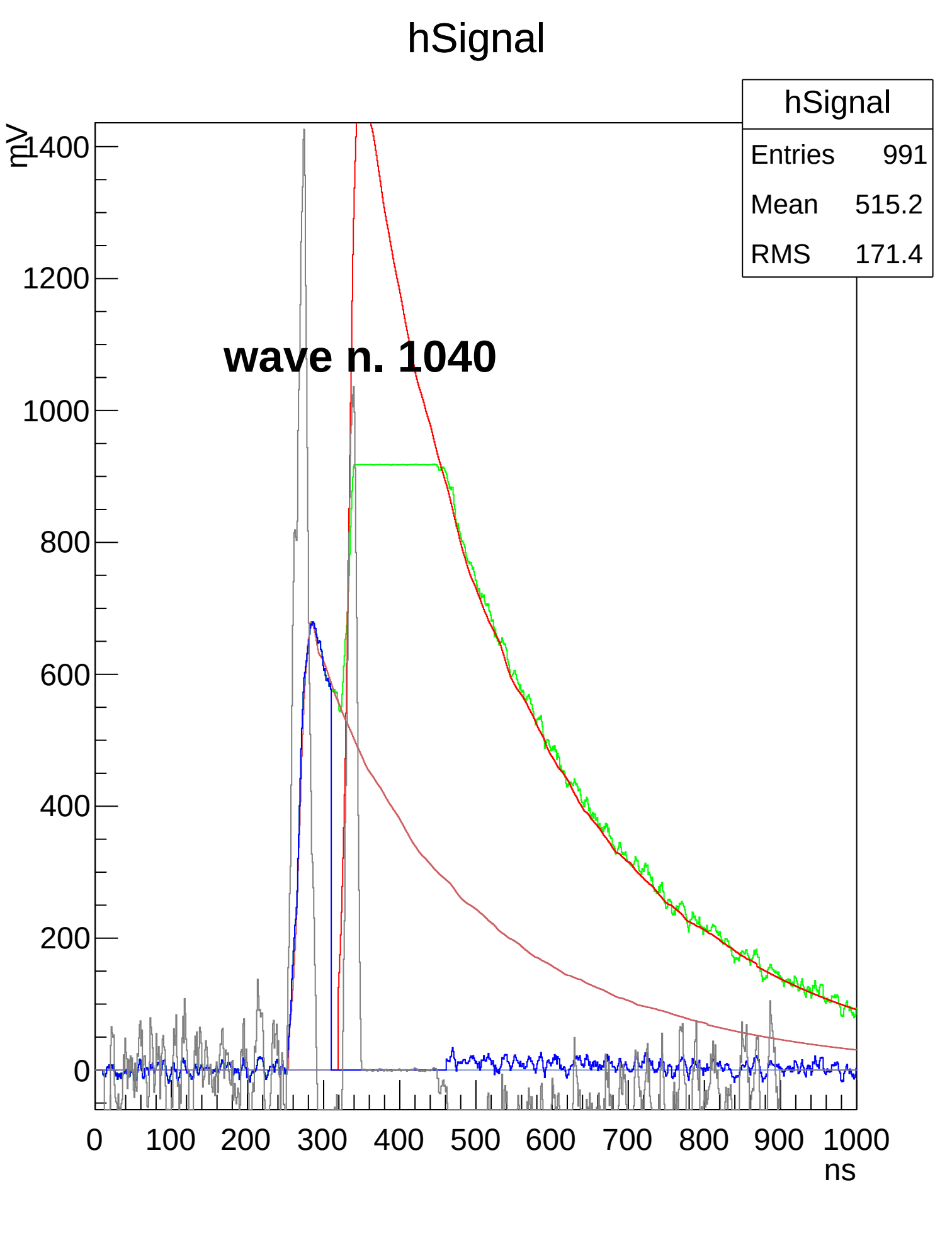

hSignal
hSignal
Entries 991
Mean 505.5
RMS 174.9
wave n. 1035
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

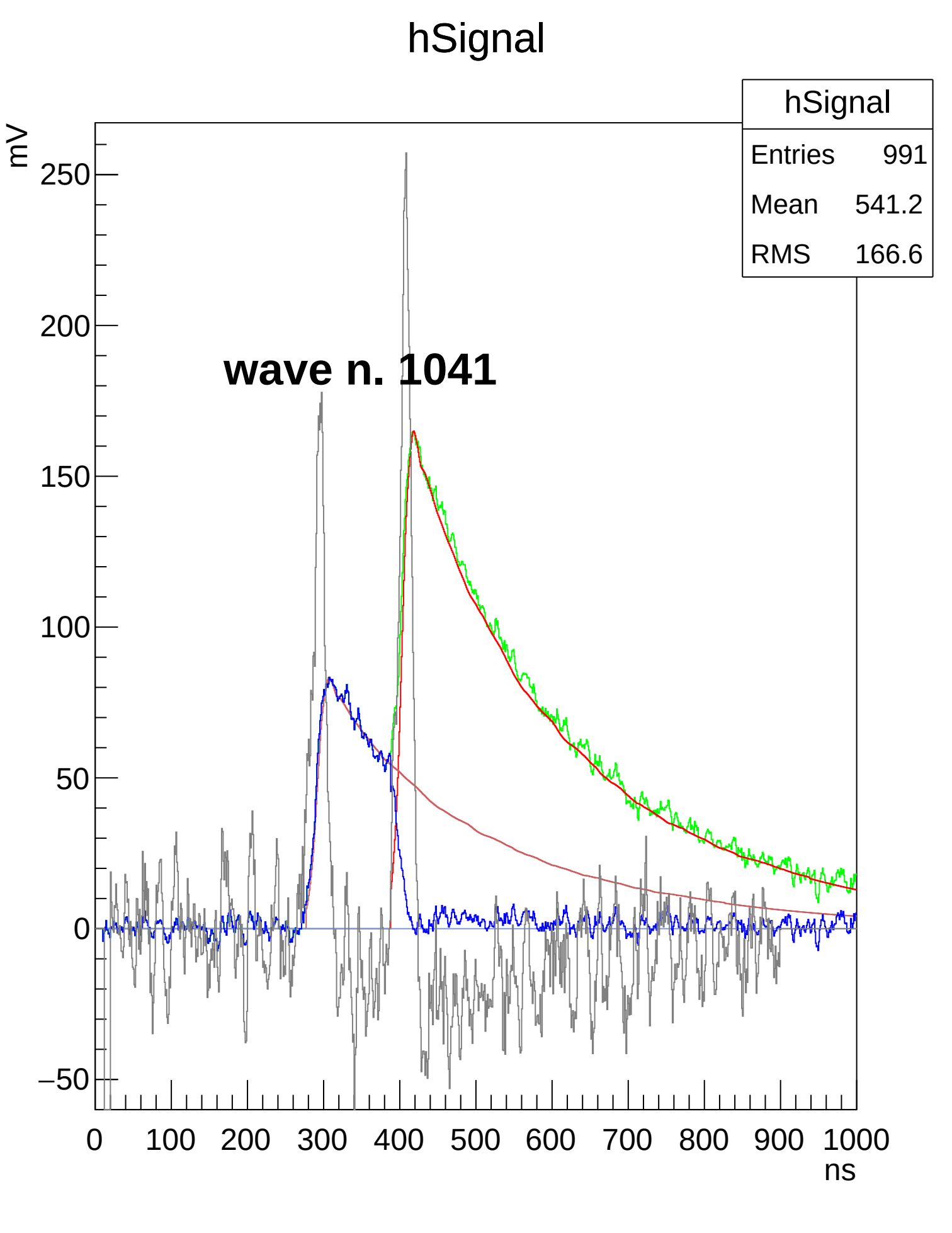

hSignal
hSignal
Entries 991
Mean 541.2
RMS 171.1
wave n. 1036
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

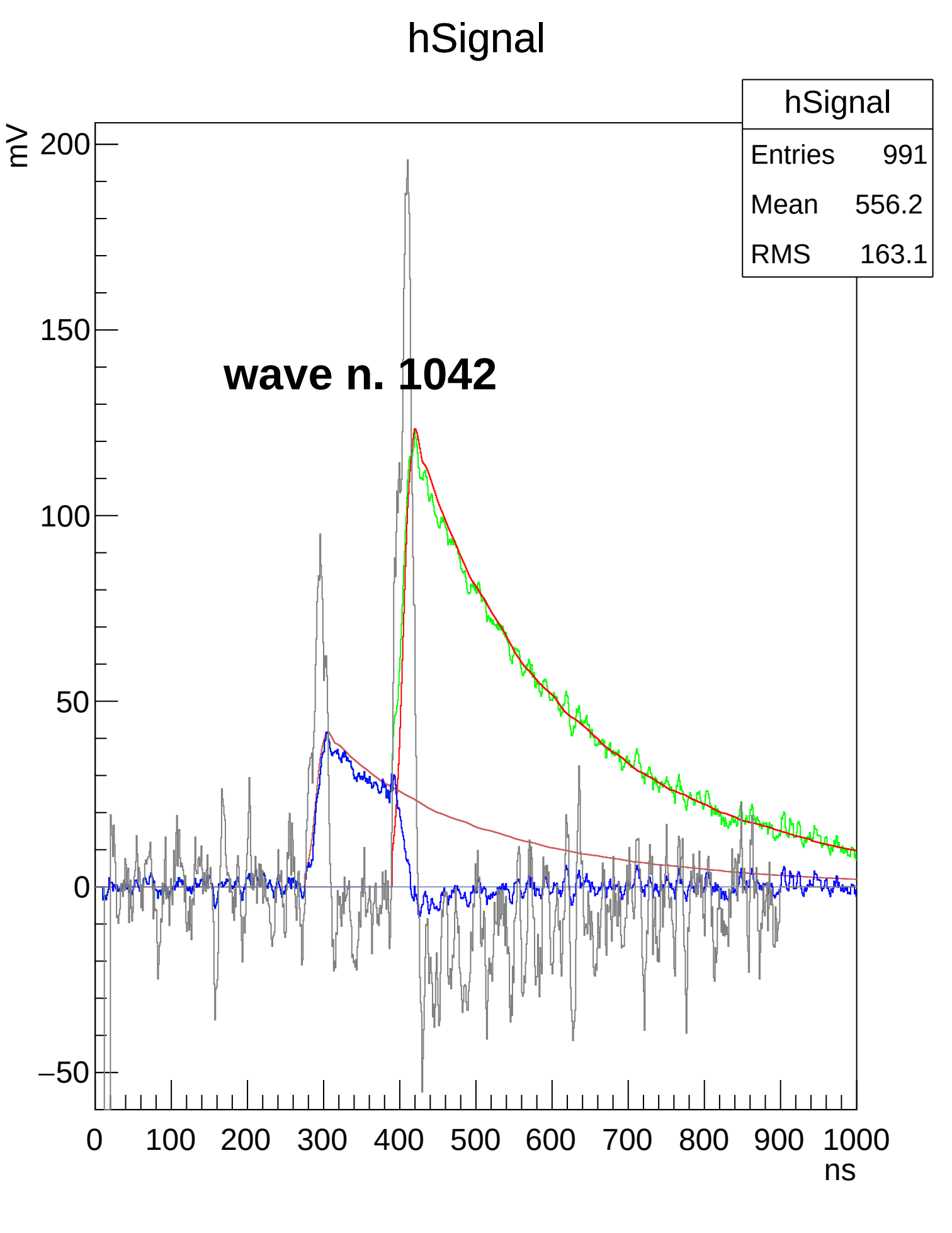

hSignal
hSignal
Entries 991
Mean 536
RMS 178.5
wave n. 1037
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

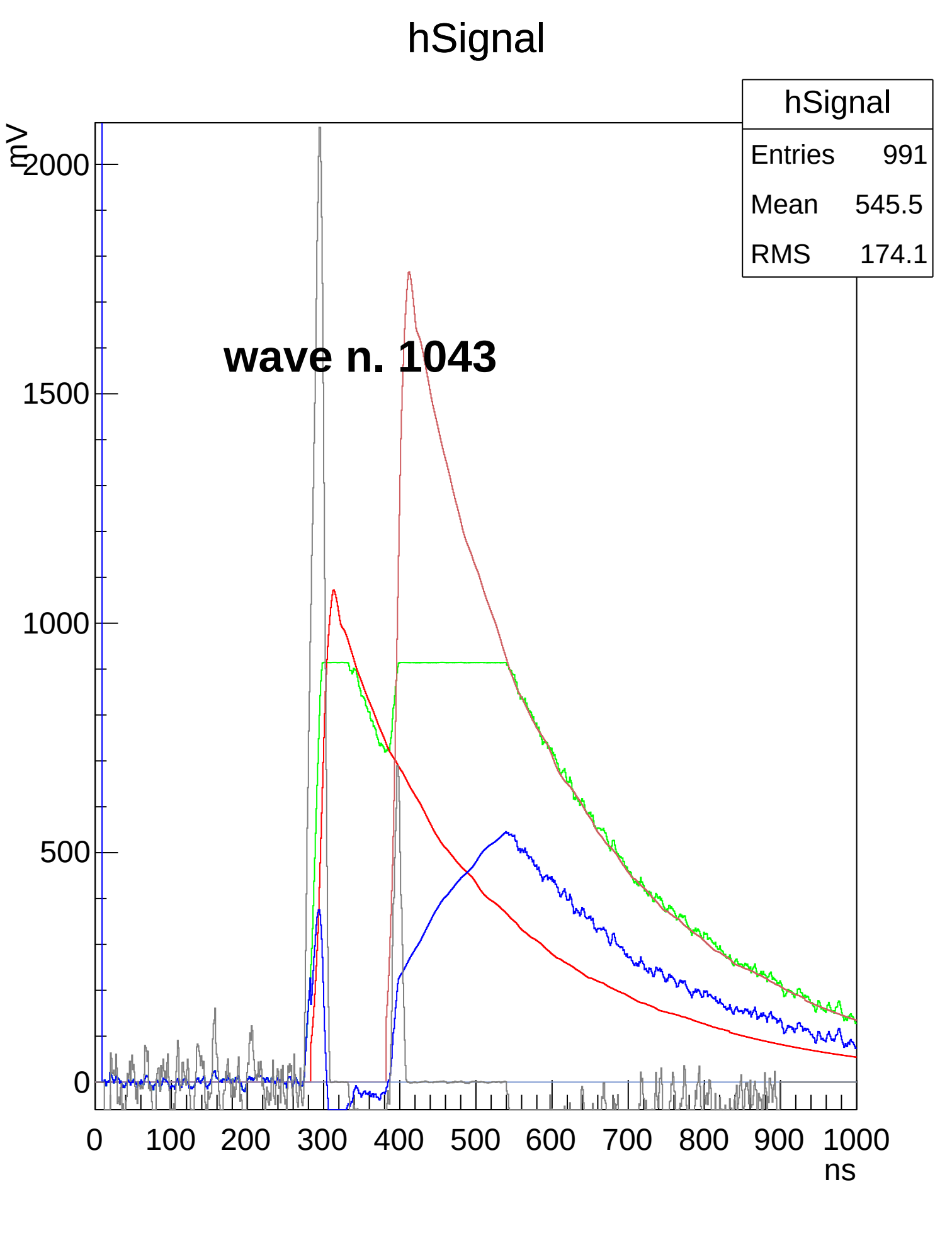

hSignal
hSignal
Entries 991
Mean 515.2
RMS 171.5
wave n. 1038
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

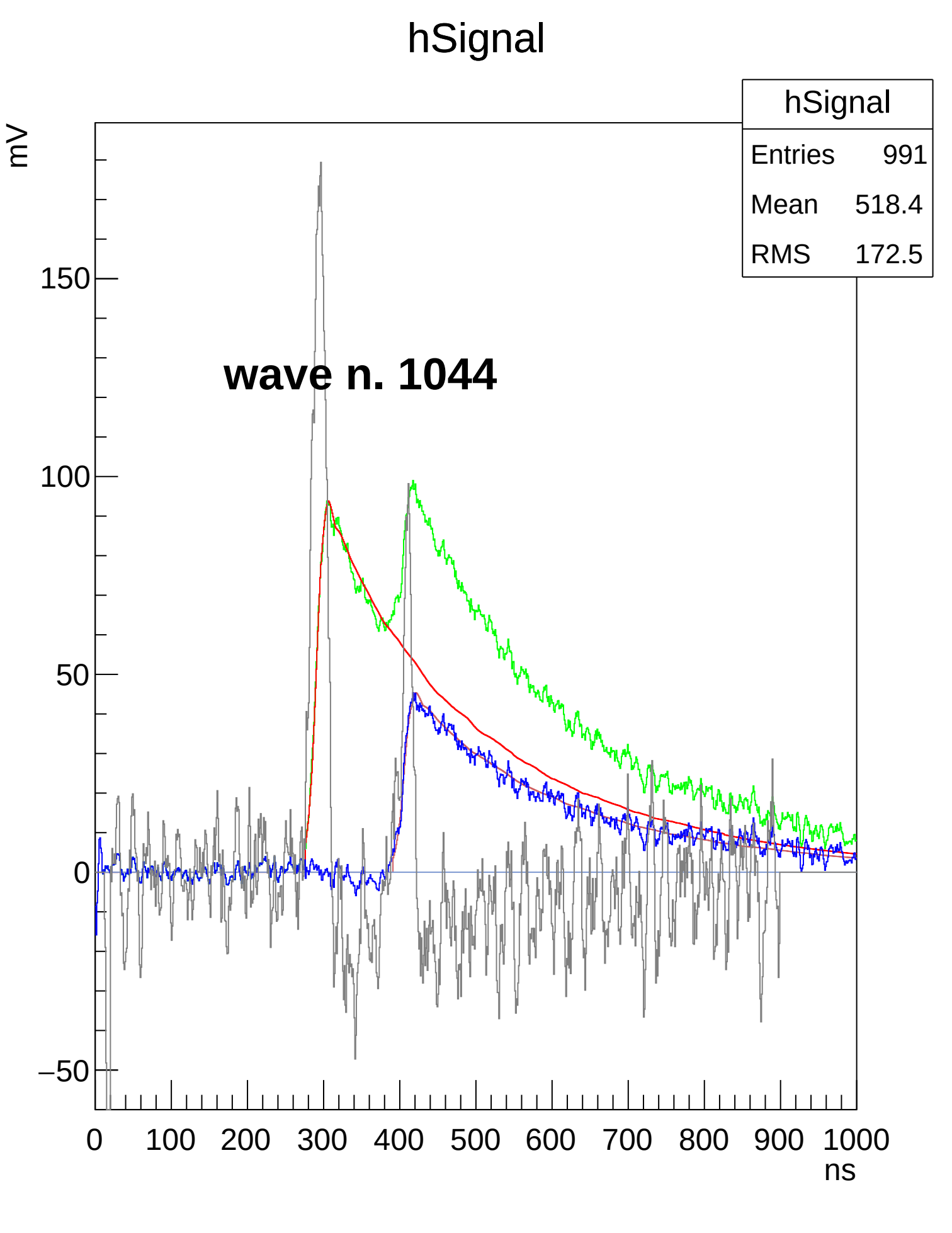

hSignal
hSignal
Entries 991
Mean 512.4
RMS 166
wave n. 1039
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

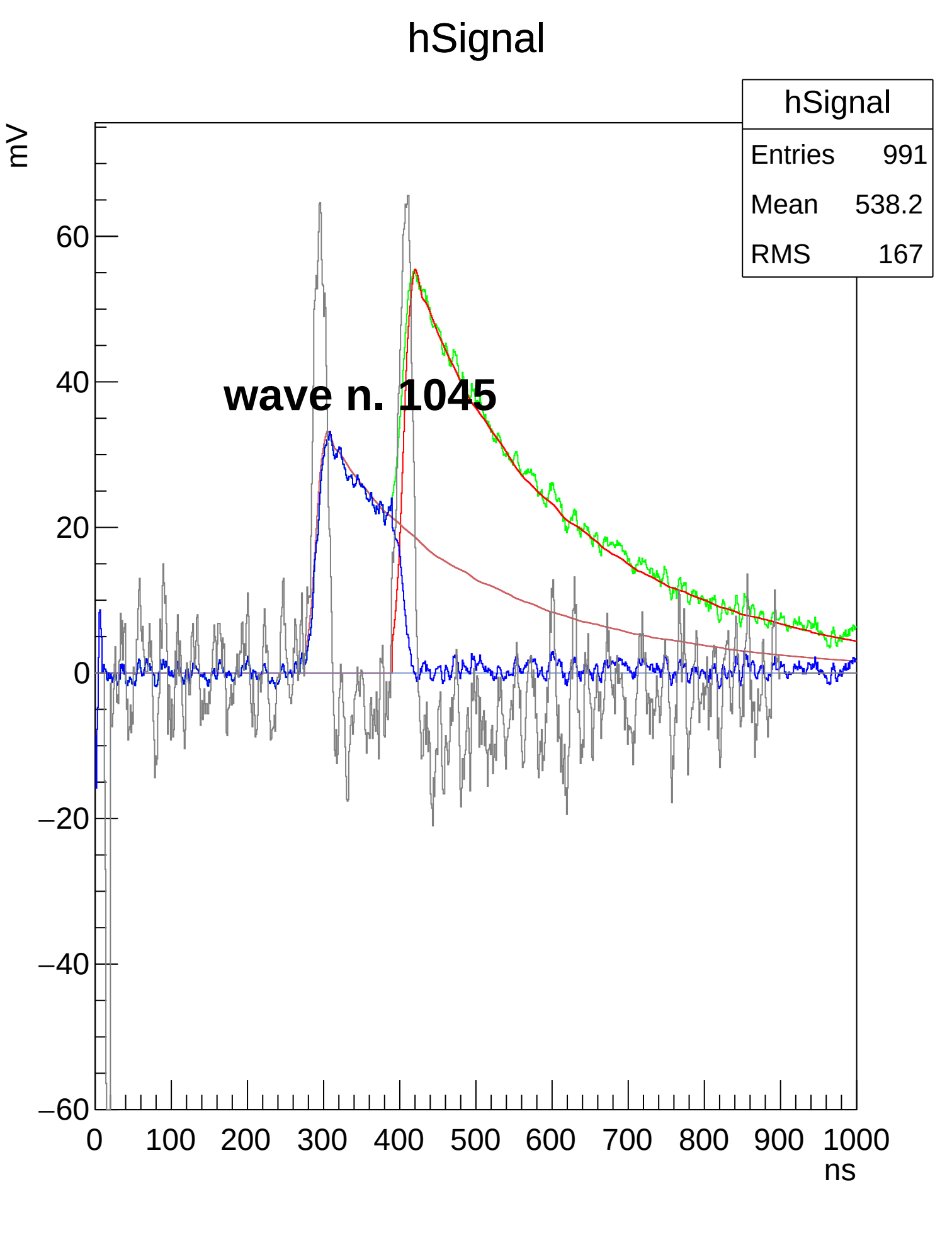

hSignal
hSignal
Entries 991
Mean 515.2
RMS 171.4
wave n. 1040
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

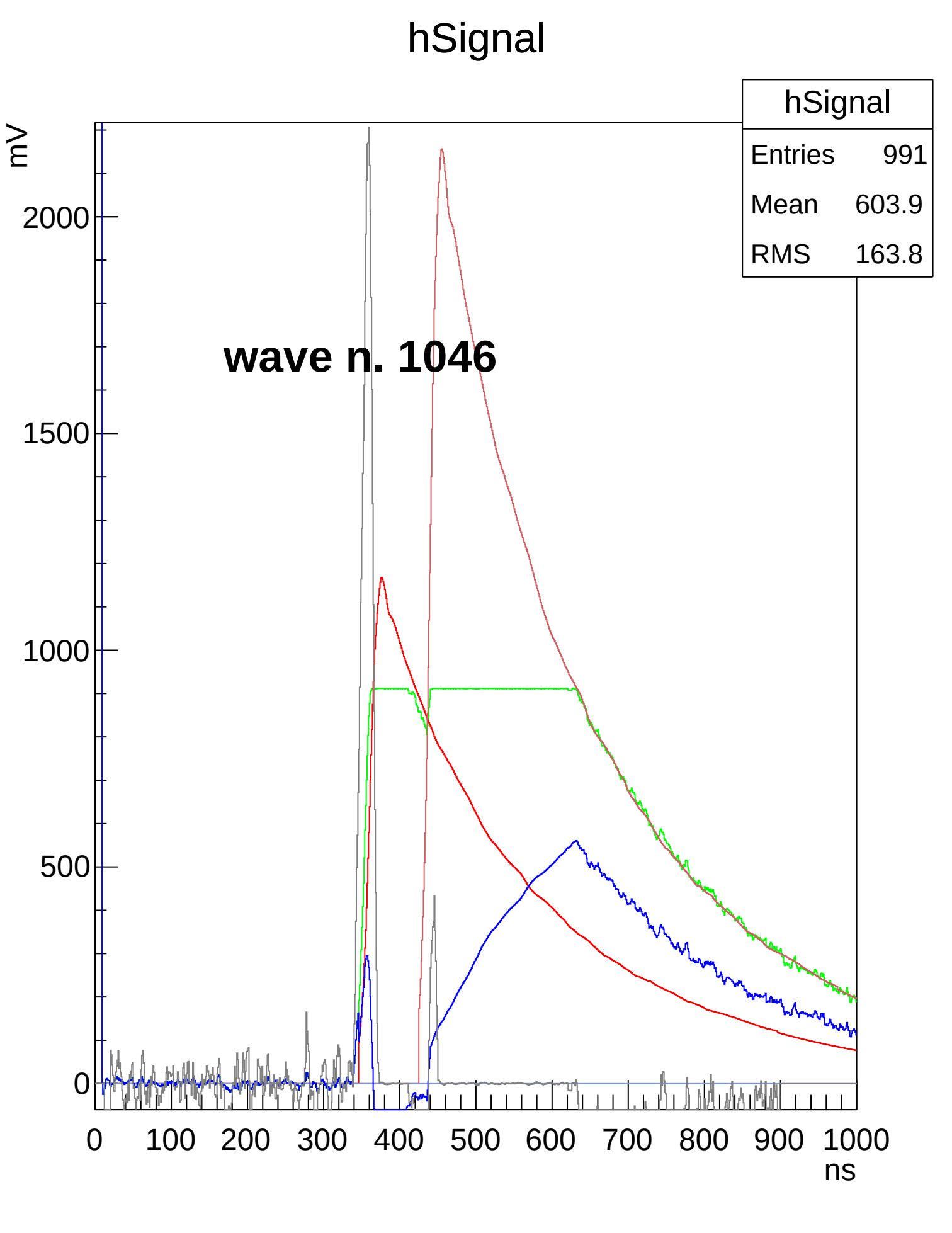

hSignal
hSignal
Entries 991
Mean 541.2
RMS 166.6
wave n. 1041
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

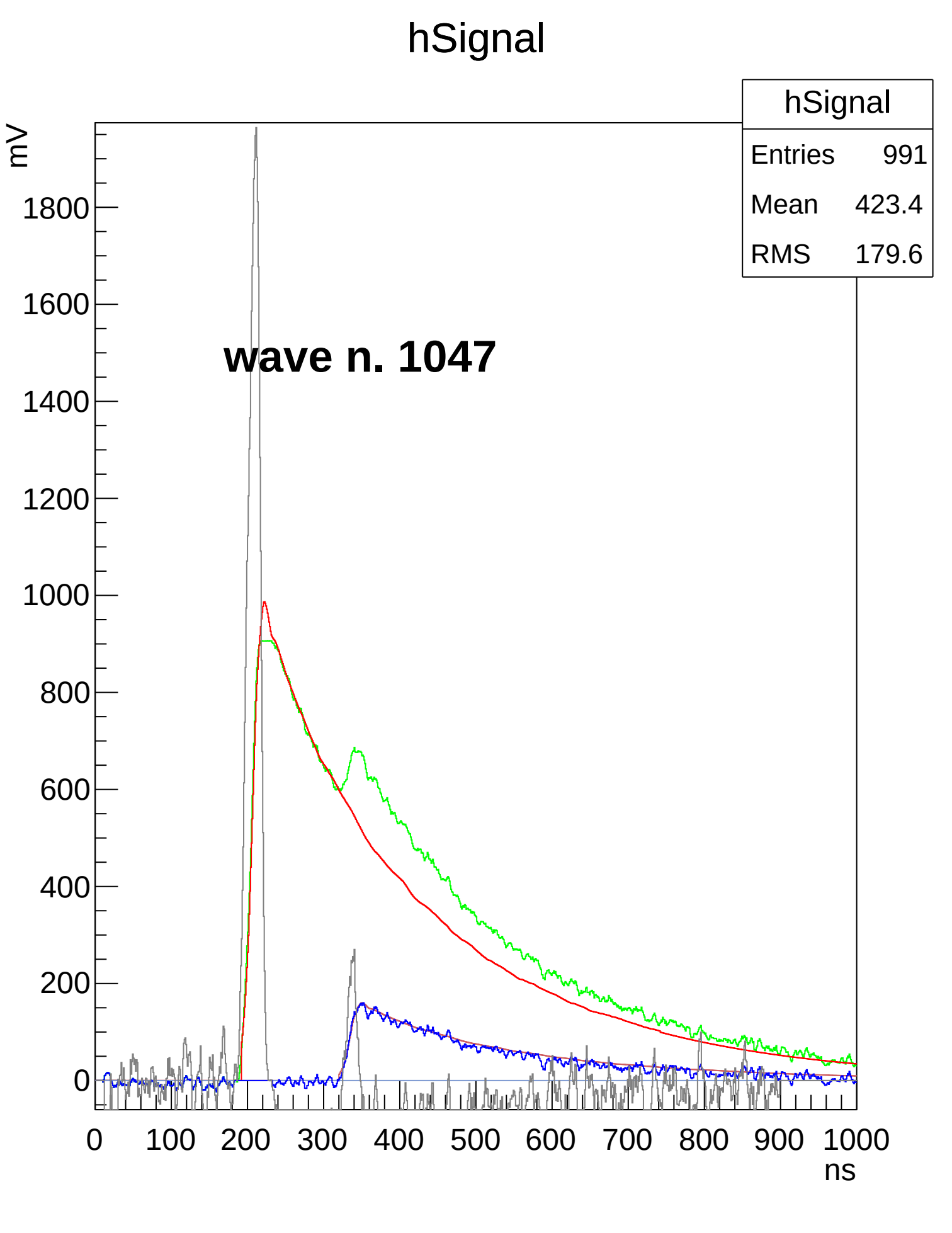

hSignal
hSignal
Entries 991
Mean 556.2
RMS 163.1
wave n. 1042
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

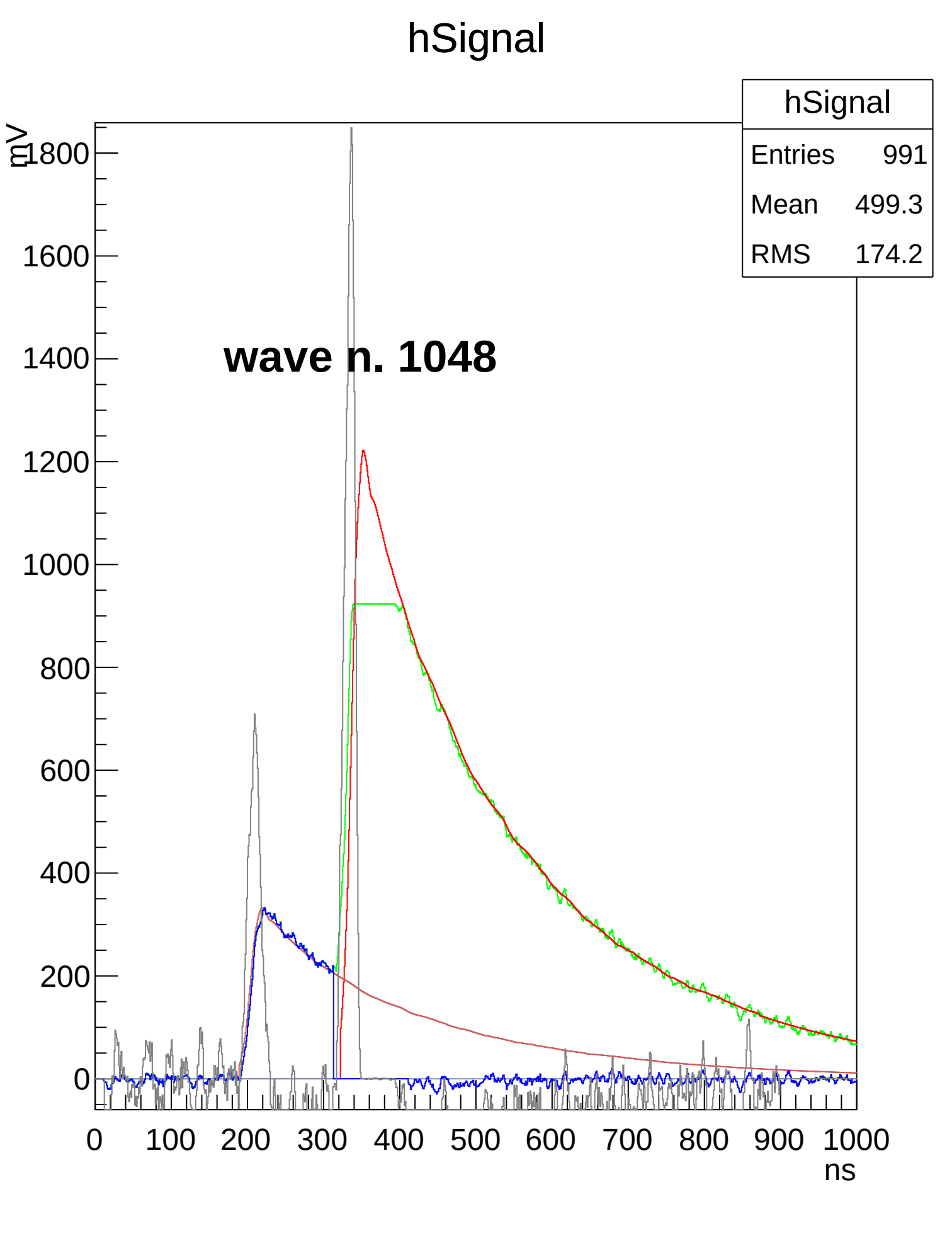

hSignal
hSignal
Entries 991
Mean 545.5
RMS 174.1
wave n. 1043
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

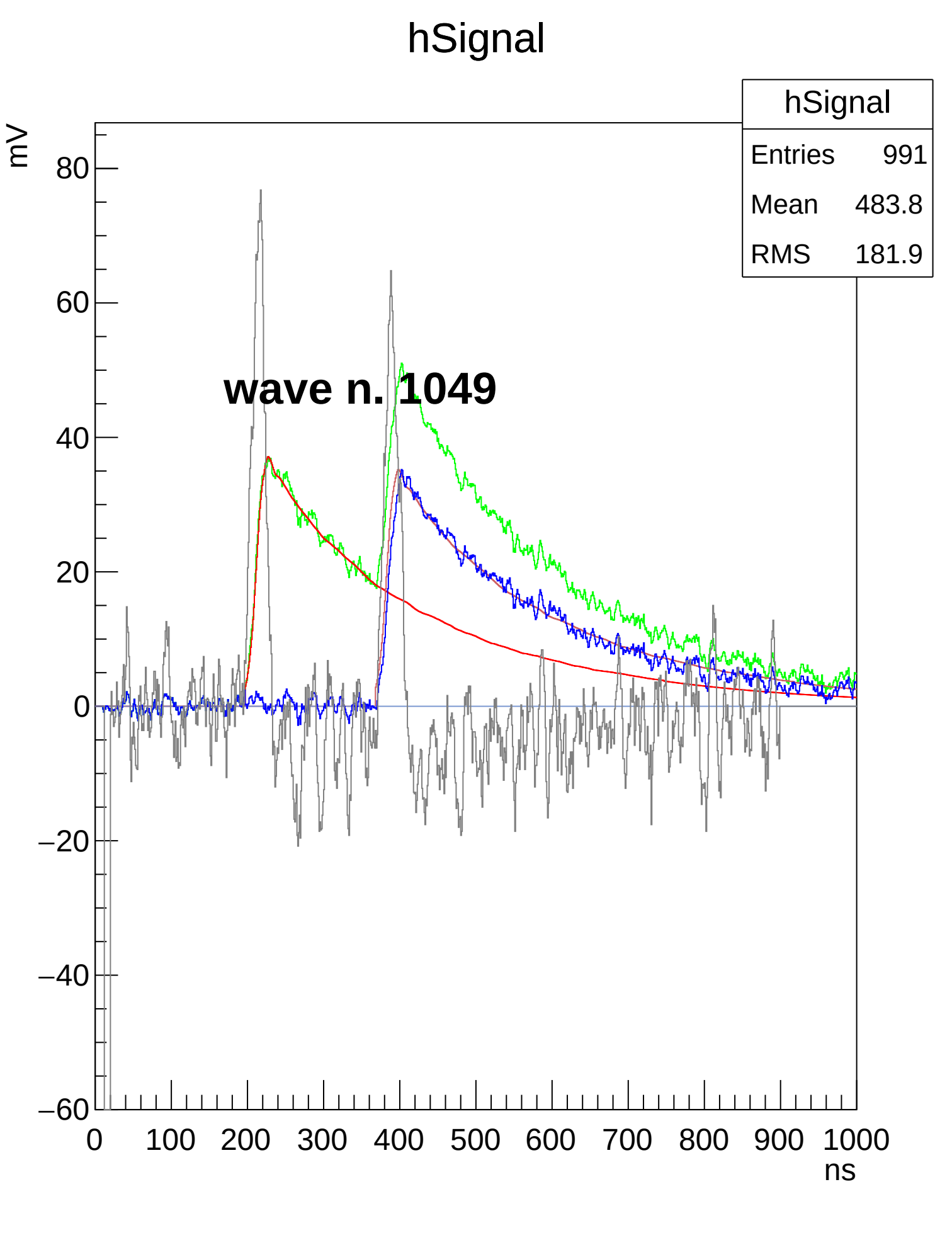

hSignal
hSignal
Entries 991
Mean 518.4
RMS 172.5
wave n. 1044
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

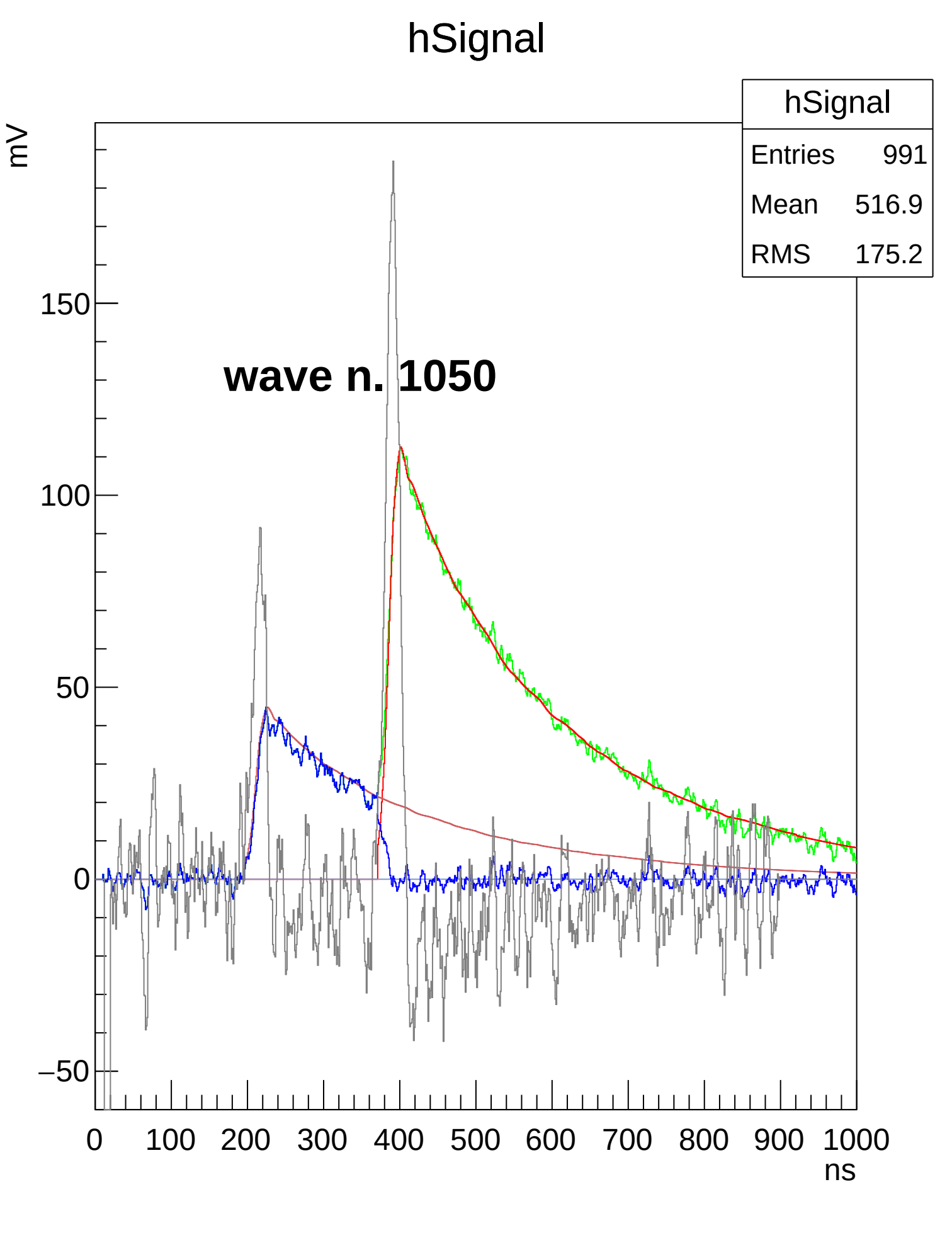

hSignal
hSignal
Entries 991
Mean 538.2
RMS 167
wave n. 1045
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

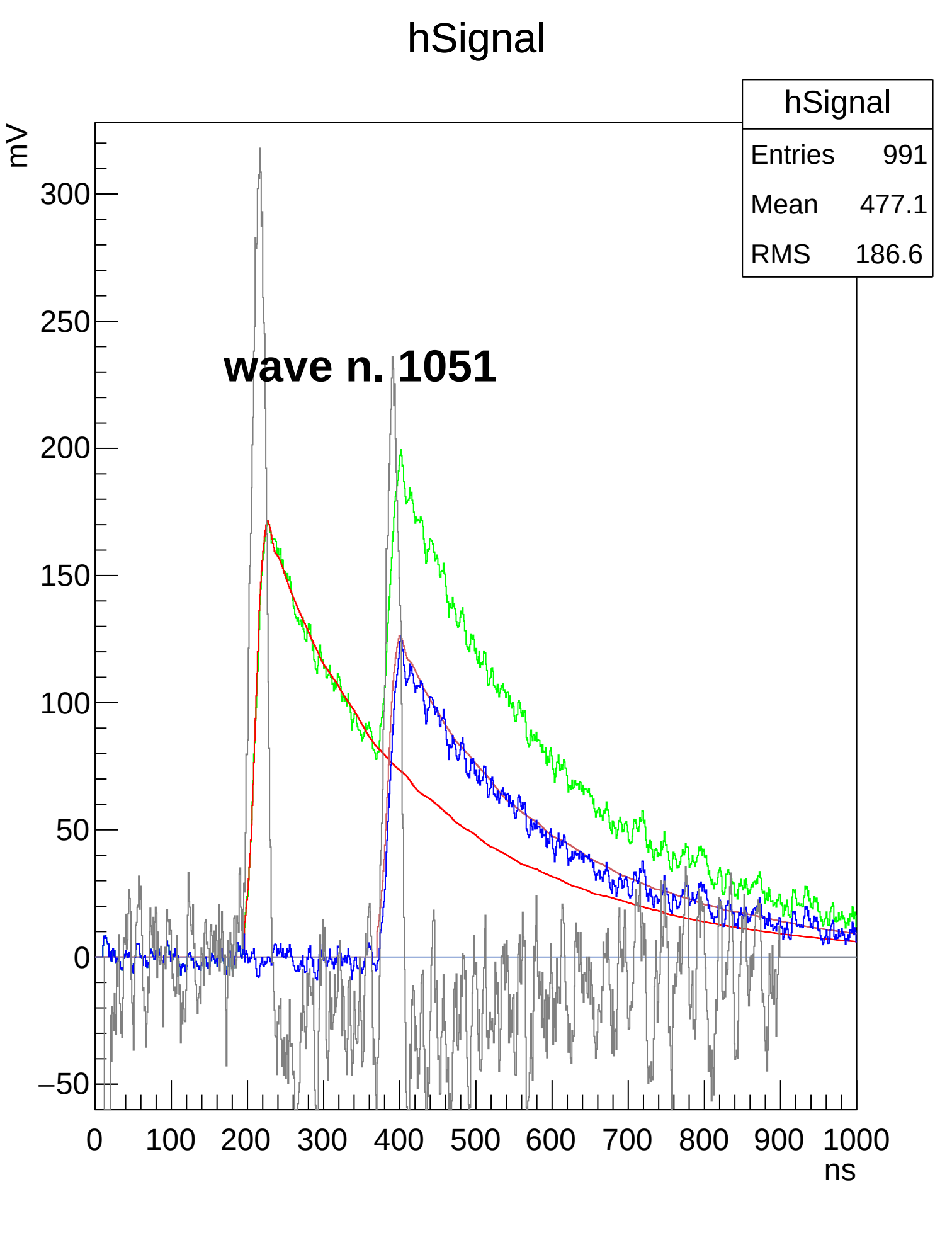

hSignal
hSignal
Entries 991
Mean 603.9
RMS 163.8
wave n. 1046
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

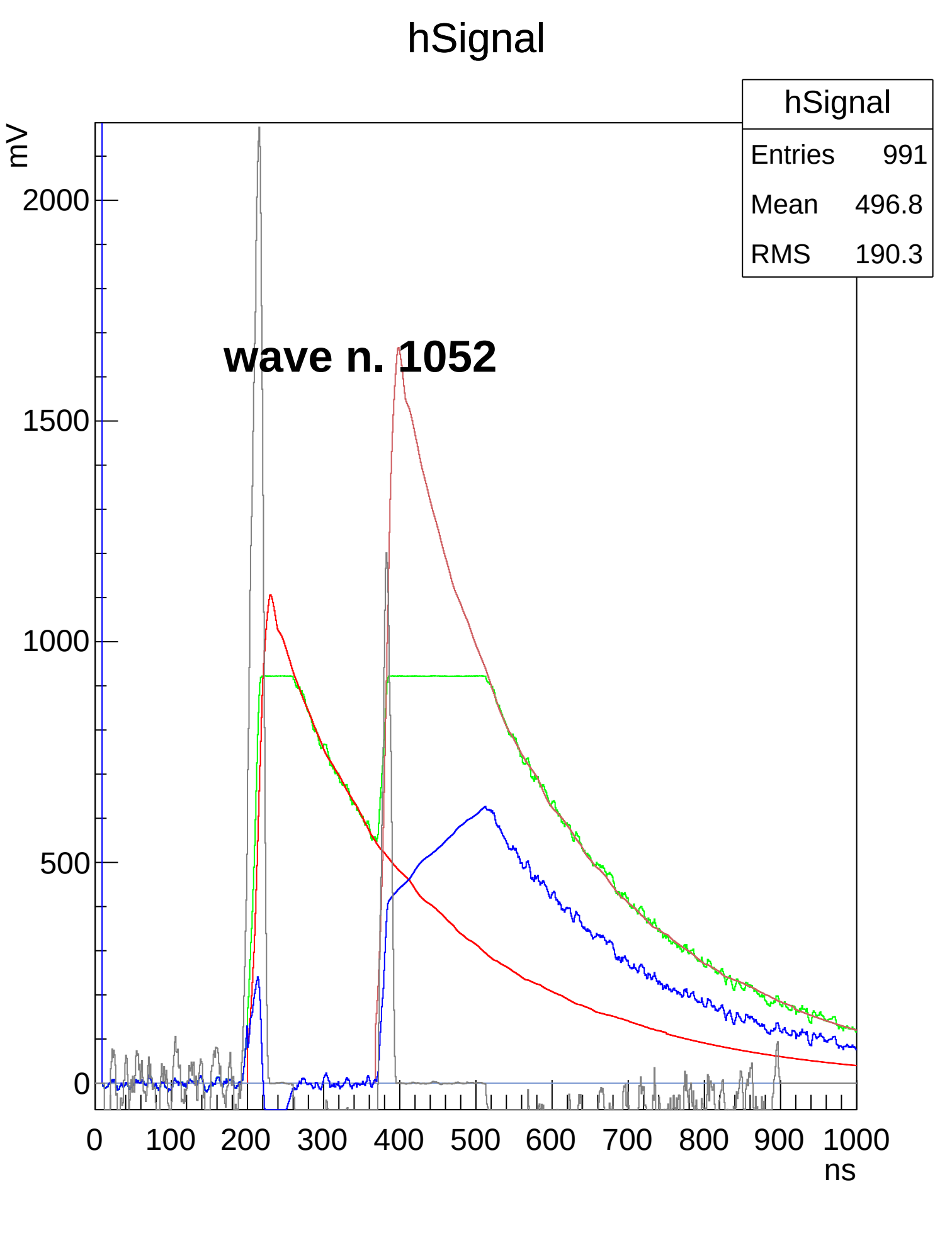

hSignal
hSignal
Entries 991
Mean 423.4
RMS 179.6
wave n. 1047
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

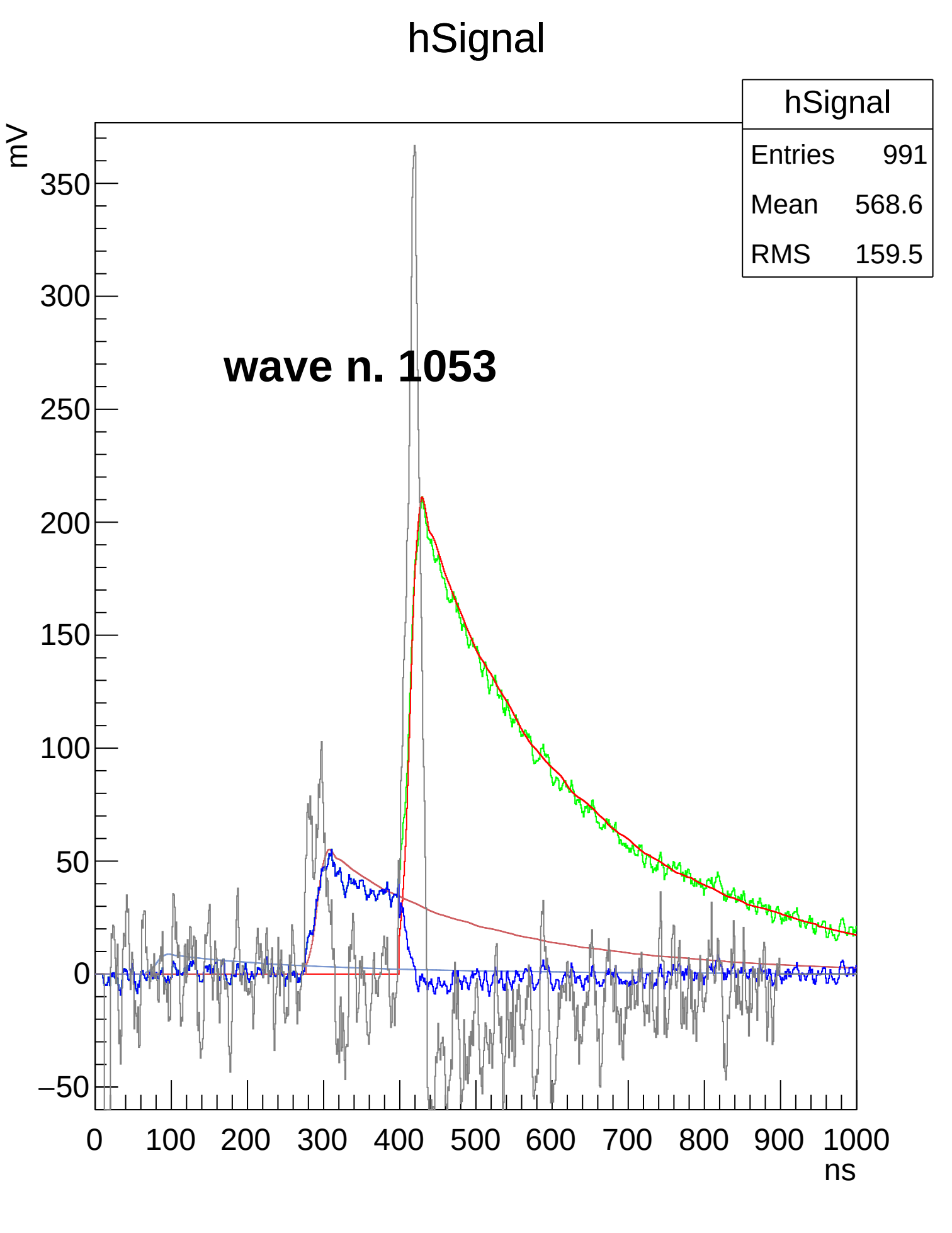

hSignal
hSignal
Entries 991
Mean 499.3
RMS 174.2
wave n. 1048
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

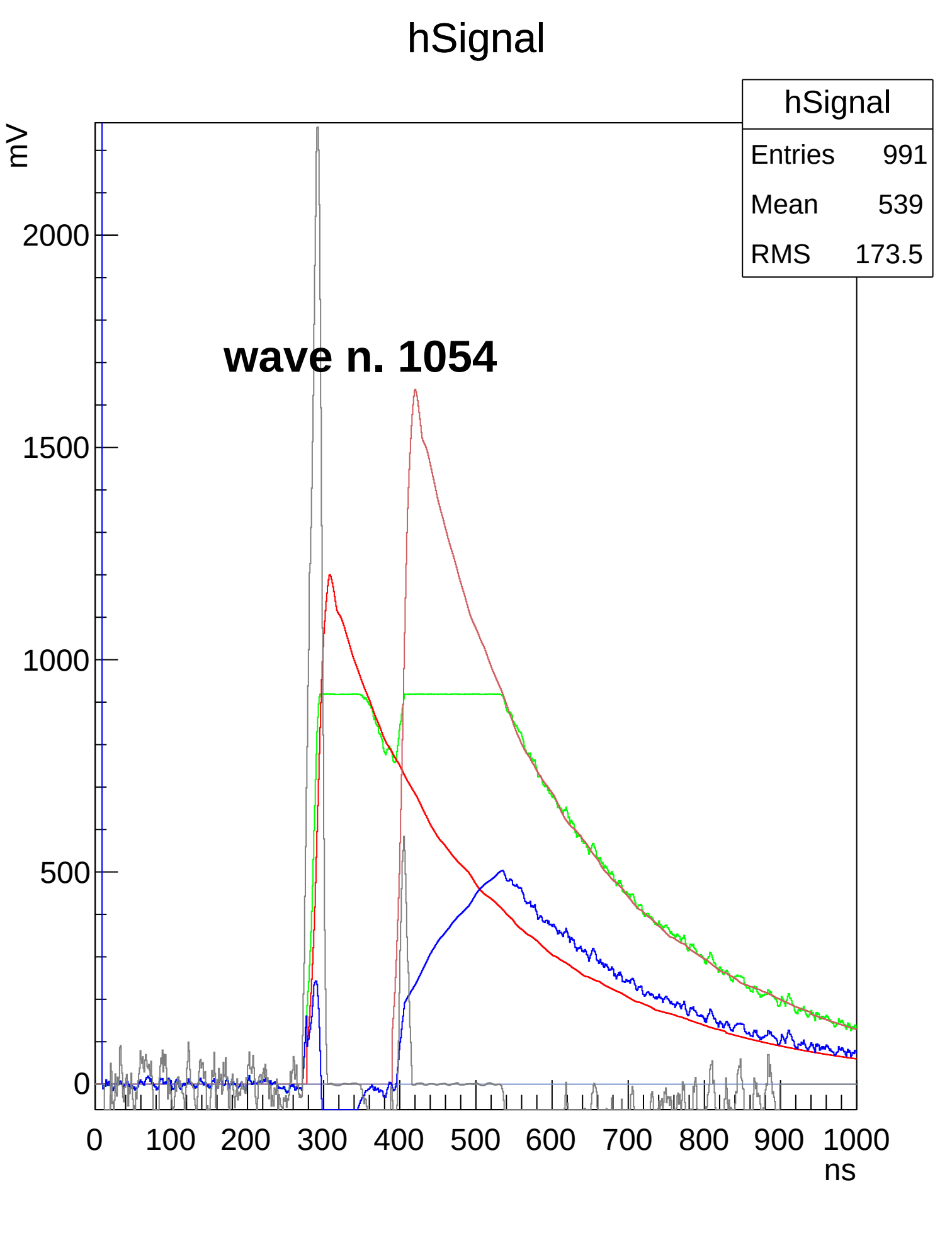

hSignal
hSignal
Entries 991
Mean 483.8
RMS 181.9
wave n. 1049
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

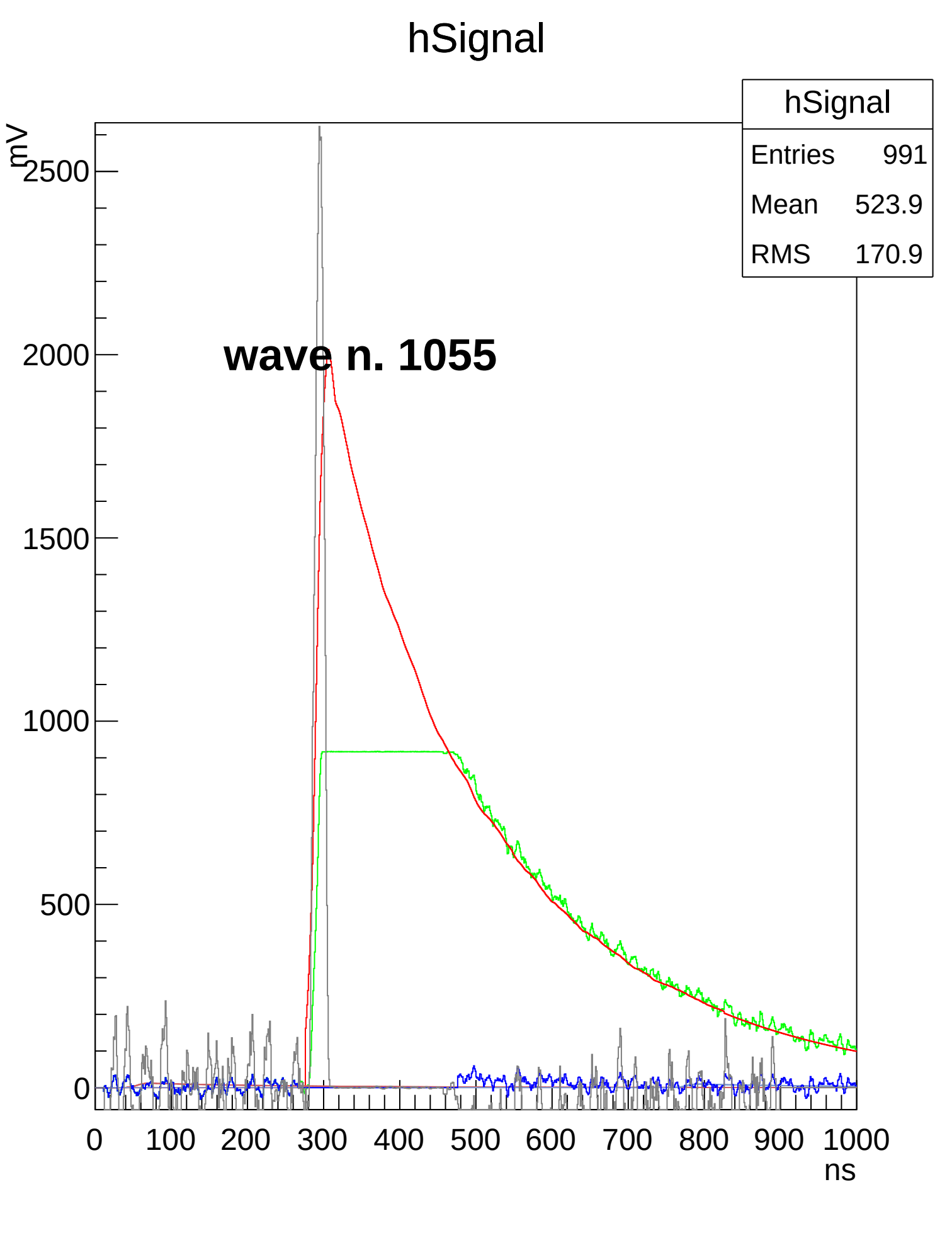

hSignal
hSignal
Entries 991
Mean 516.9
RMS 175.2
wave n. 1050
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

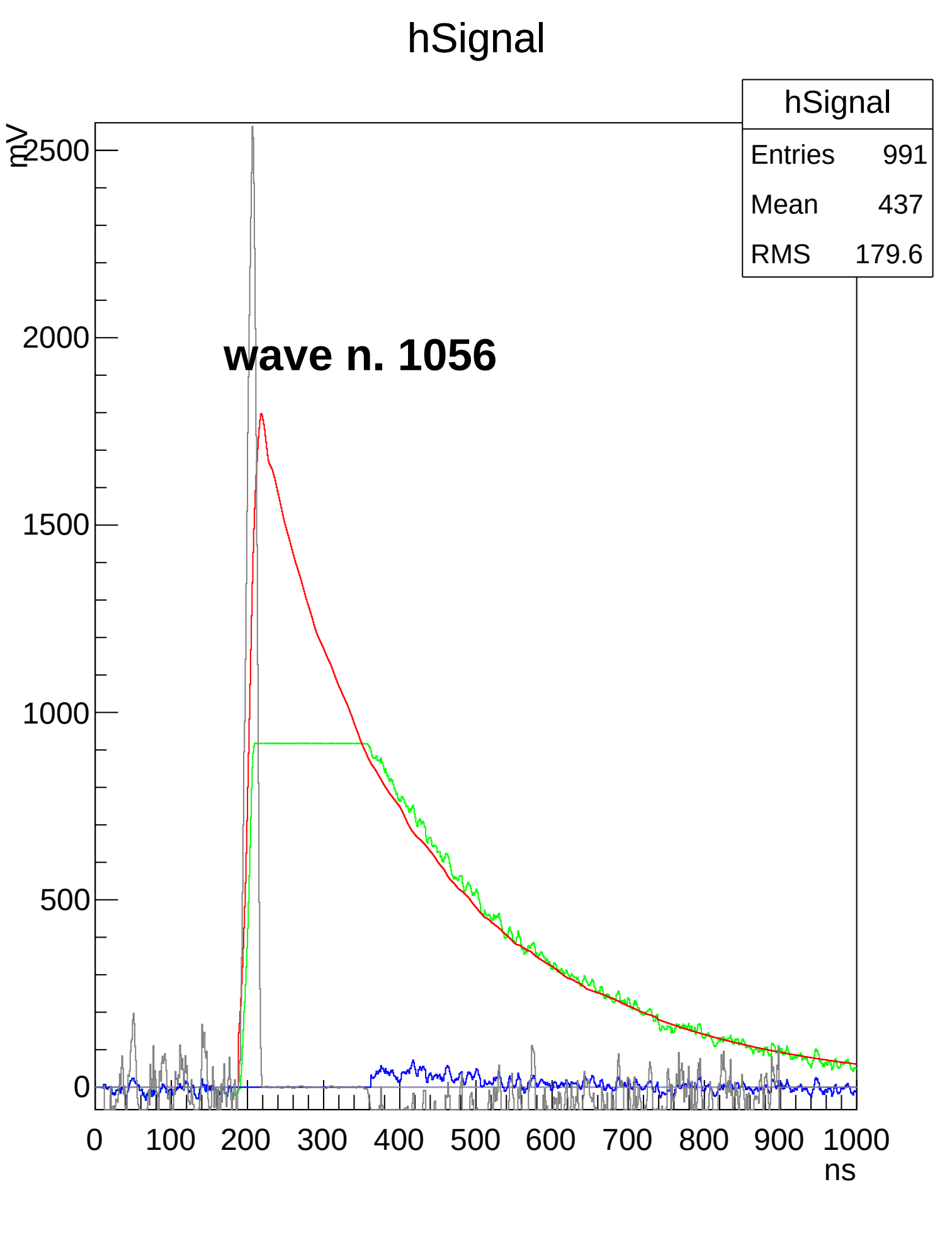

hSignal
hSignal
Entries 991
Mean 477.1
RMS 186.6
wave n. 1051
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

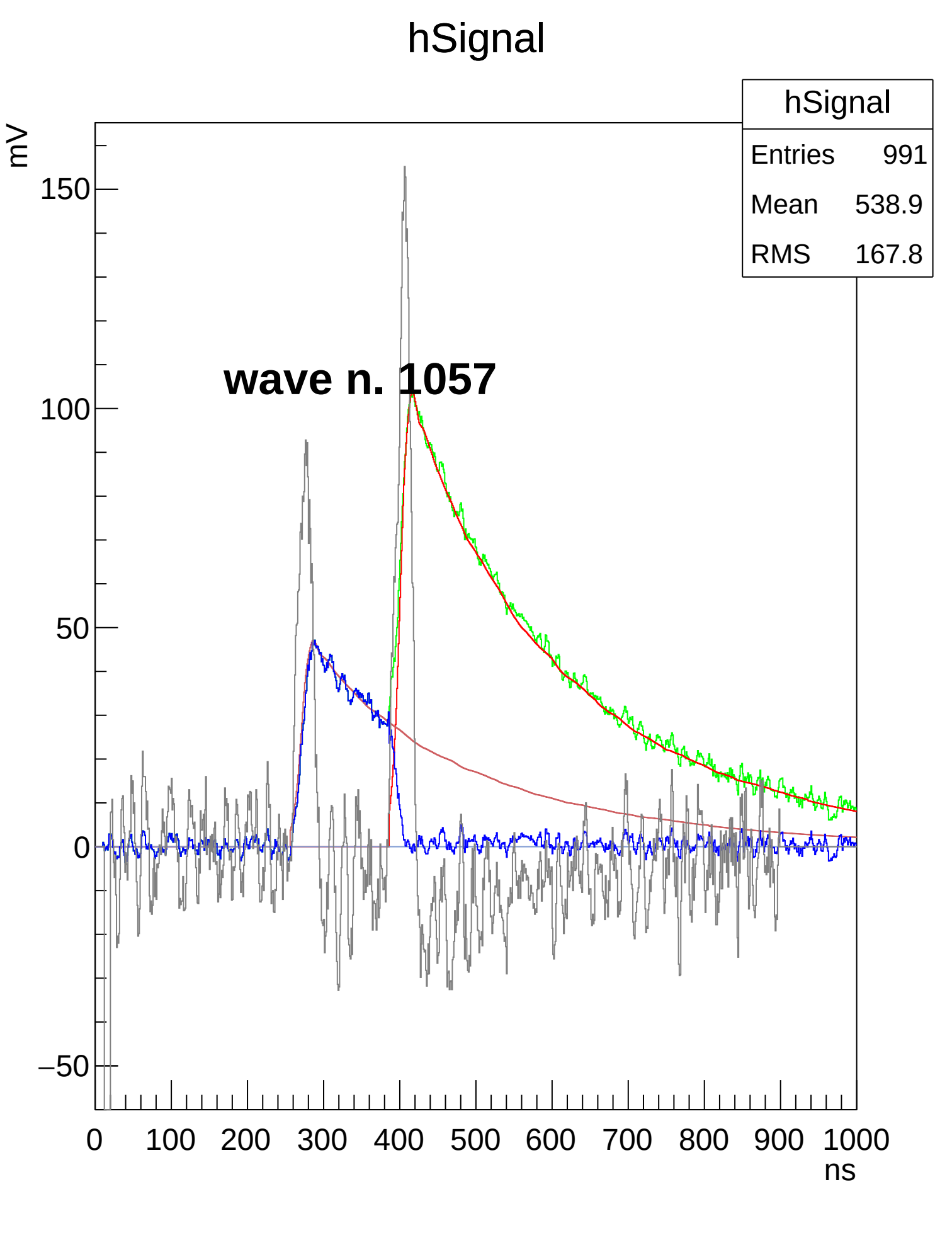

hSignal
hSignal
Entries 991
Mean 496.8
RMS 190.3
wave n. 1052
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

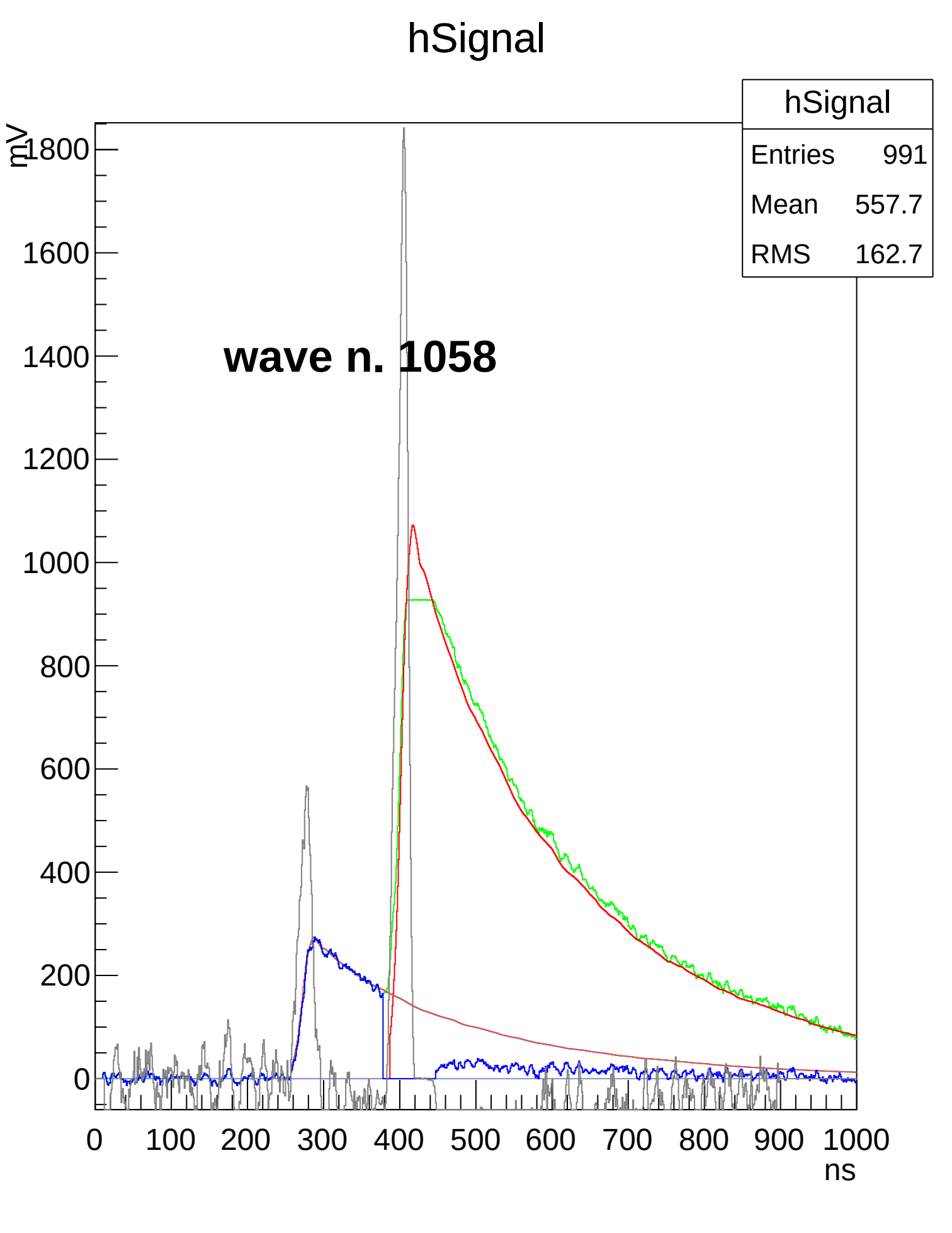

hSignal
hSignal
Entries 991
Mean 568.6
RMS 159.5
wave n. 1053
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

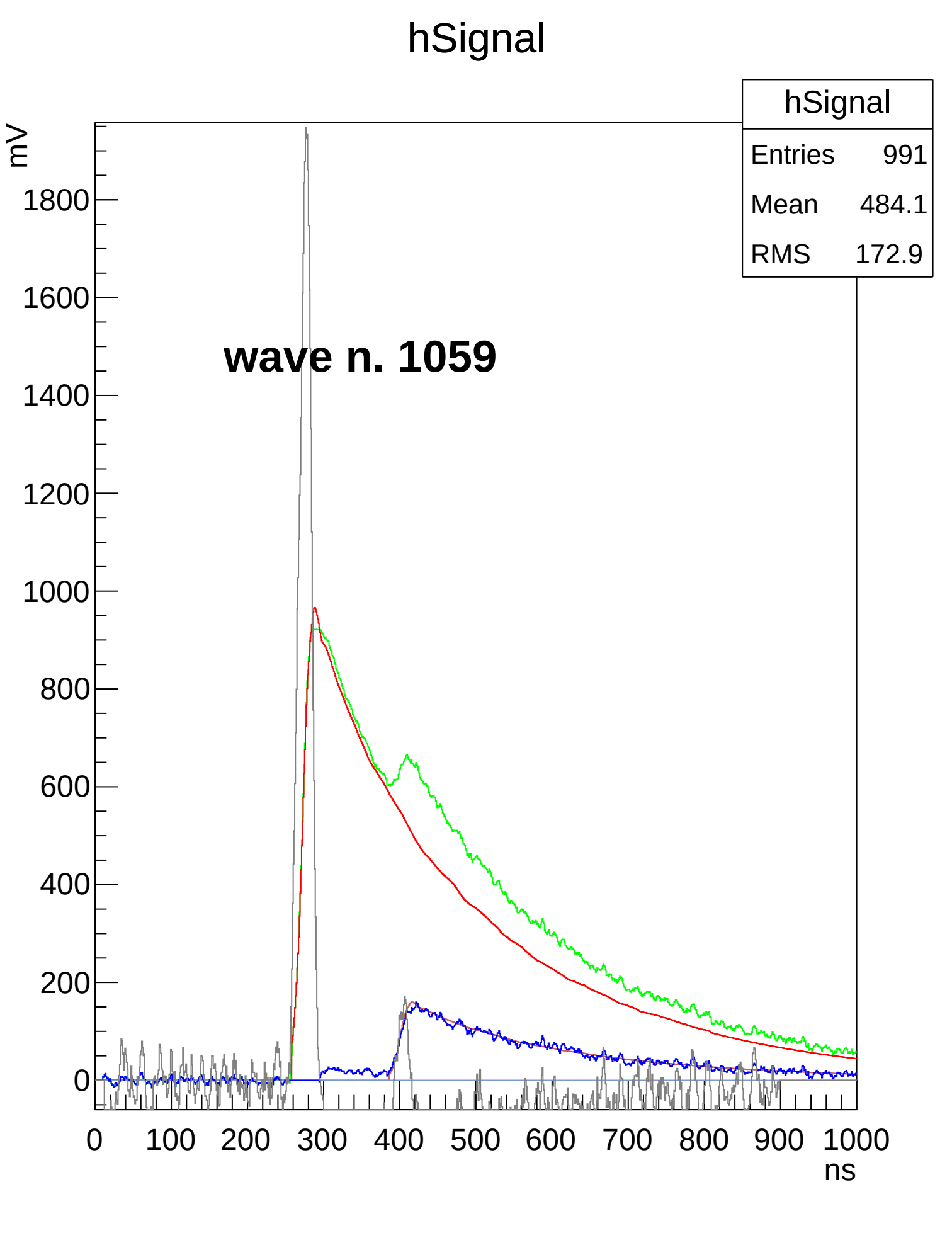

hSignal
hSignal
Entries 991
Mean 539
RMS 173.5
wave n. 1054
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

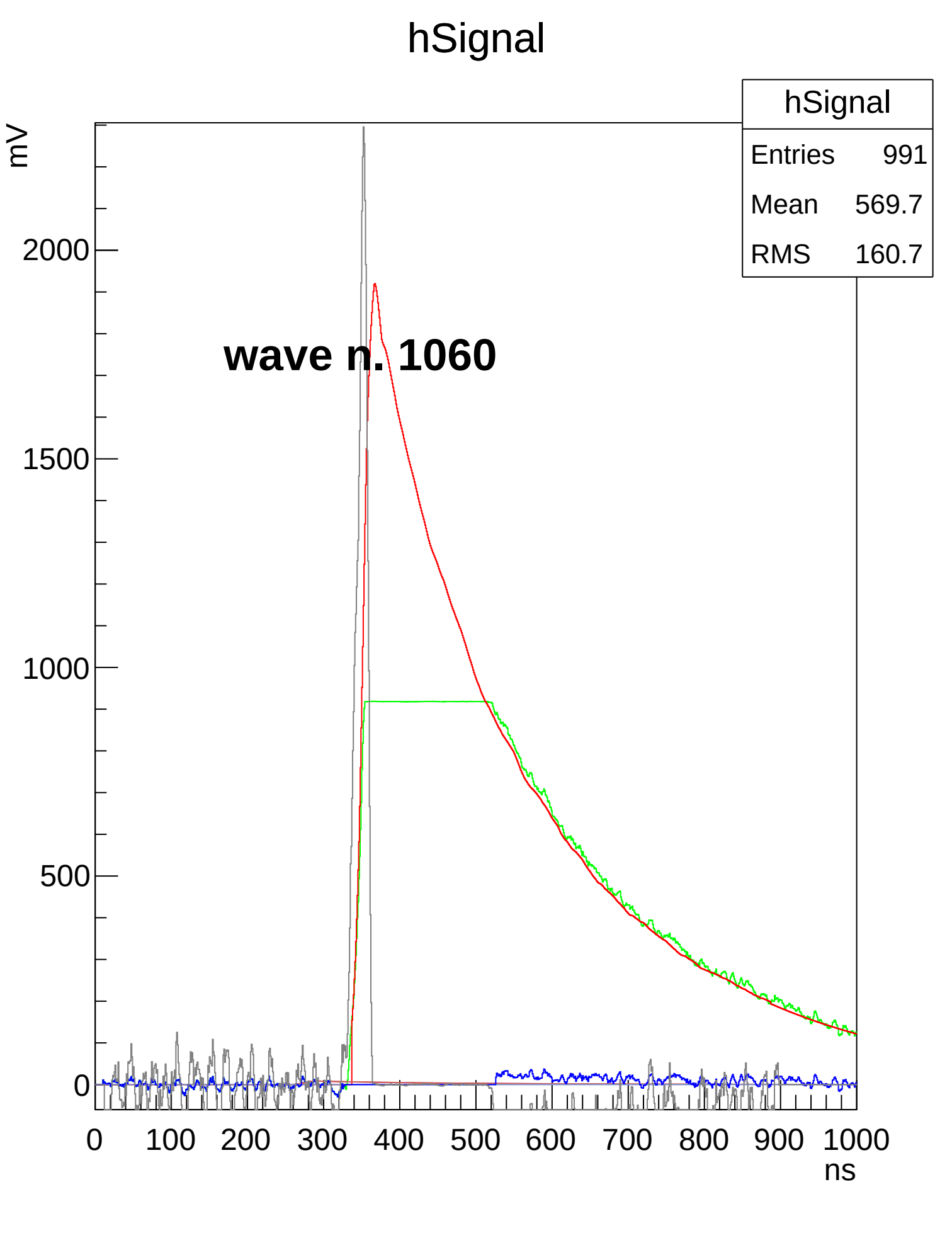

hSignal
hSignal
Entries 991
Mean 523.9
RMS 170.9
wave n. 1055
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

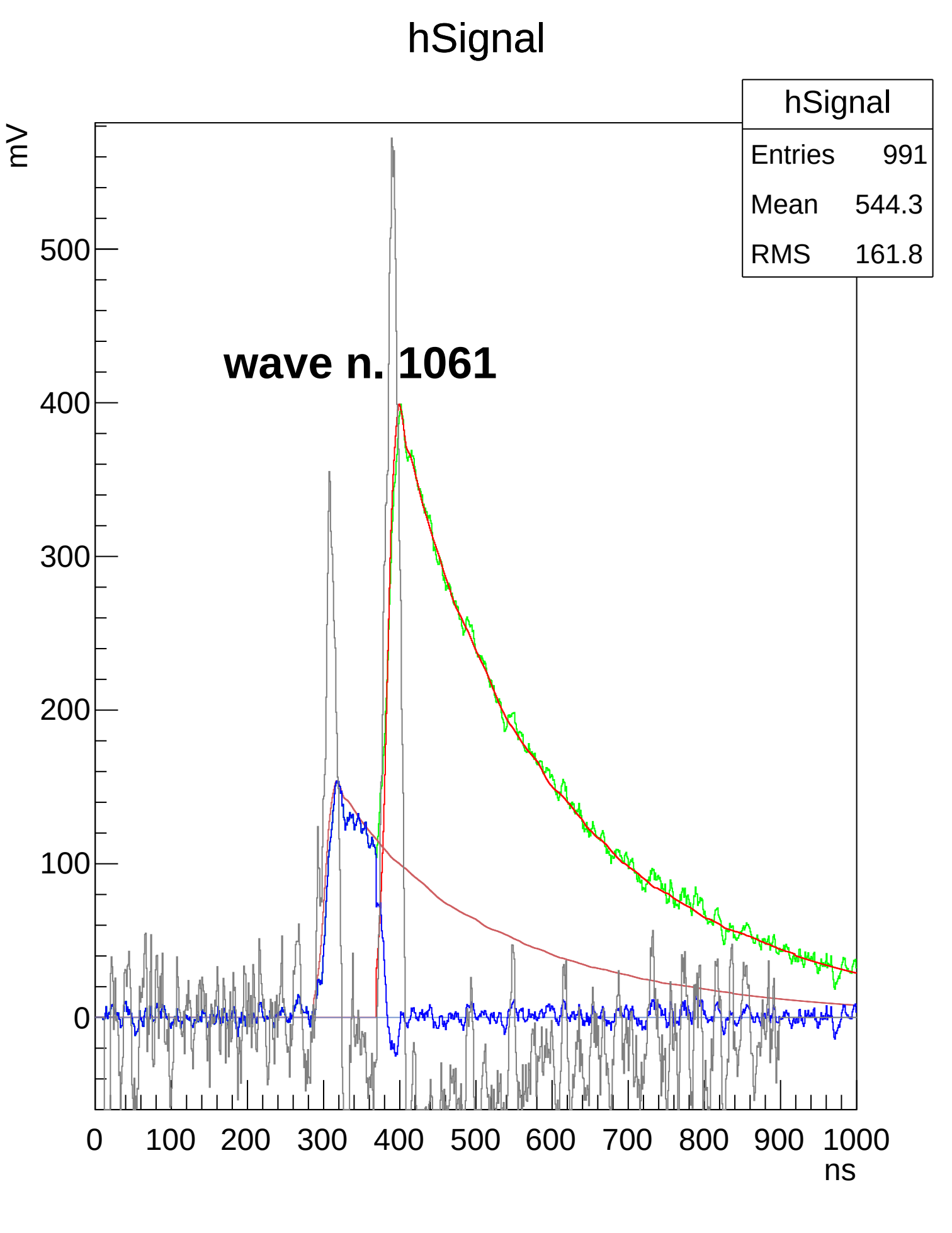

hSignal
hSignal
Entries 991
Mean 437
RMS 179.6
wave n. 1056
mV
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

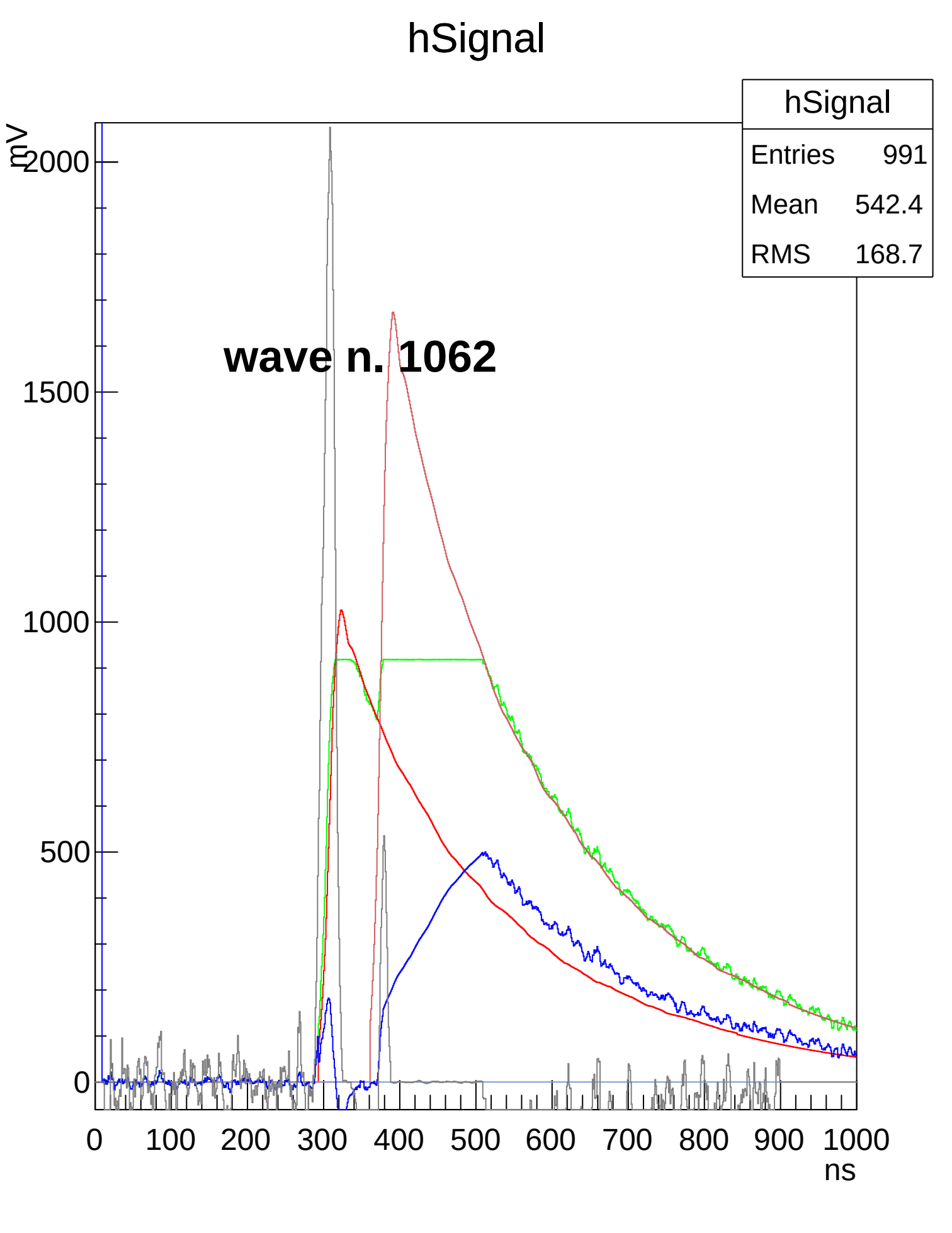

hSignal
hSignal
Entries 991
Mean 538.9
RMS 167.8
wave n. 1057
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

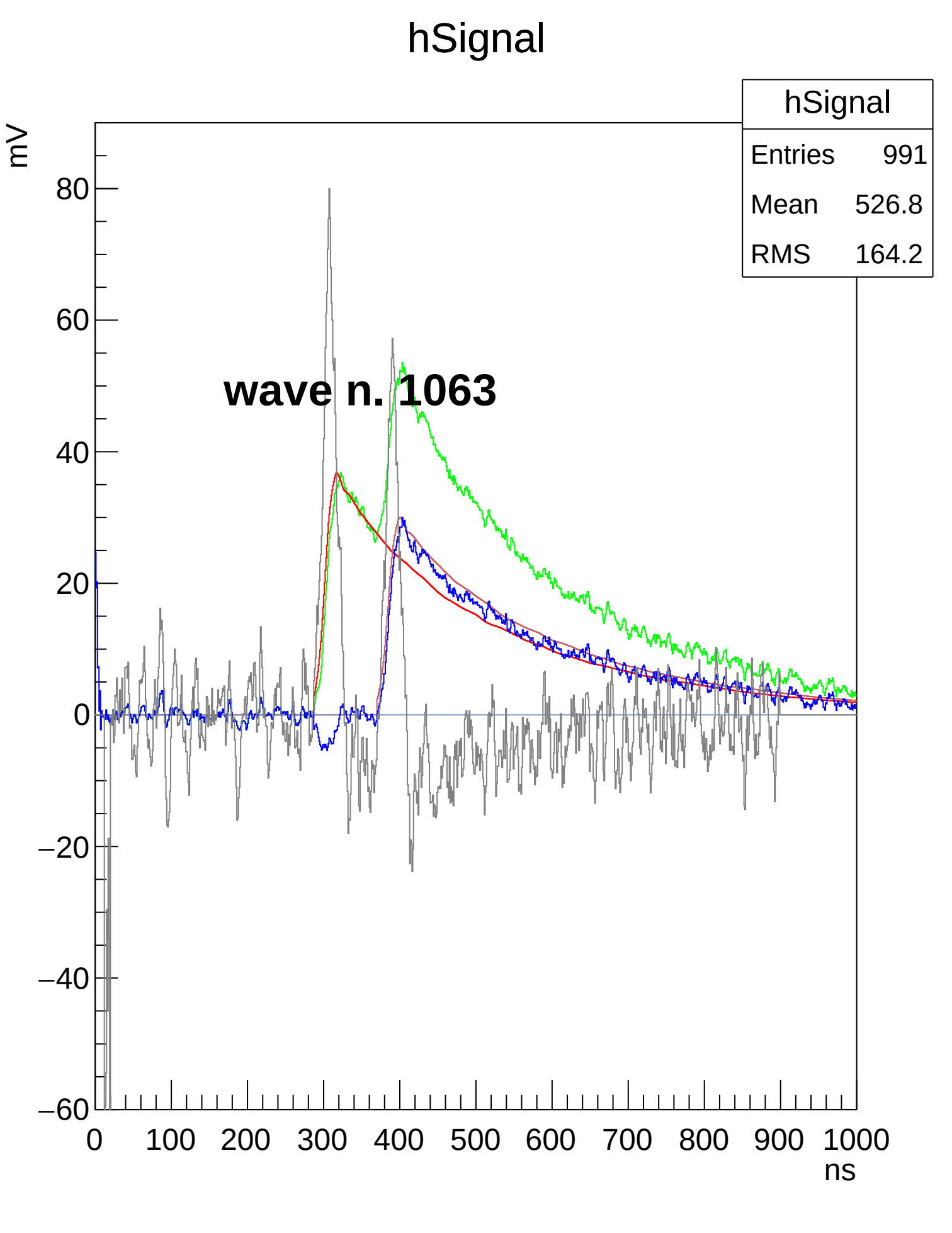

hSignal
hSignal
Entries 991
Mean 557.7
RMS 162.7
wave n. 1058
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

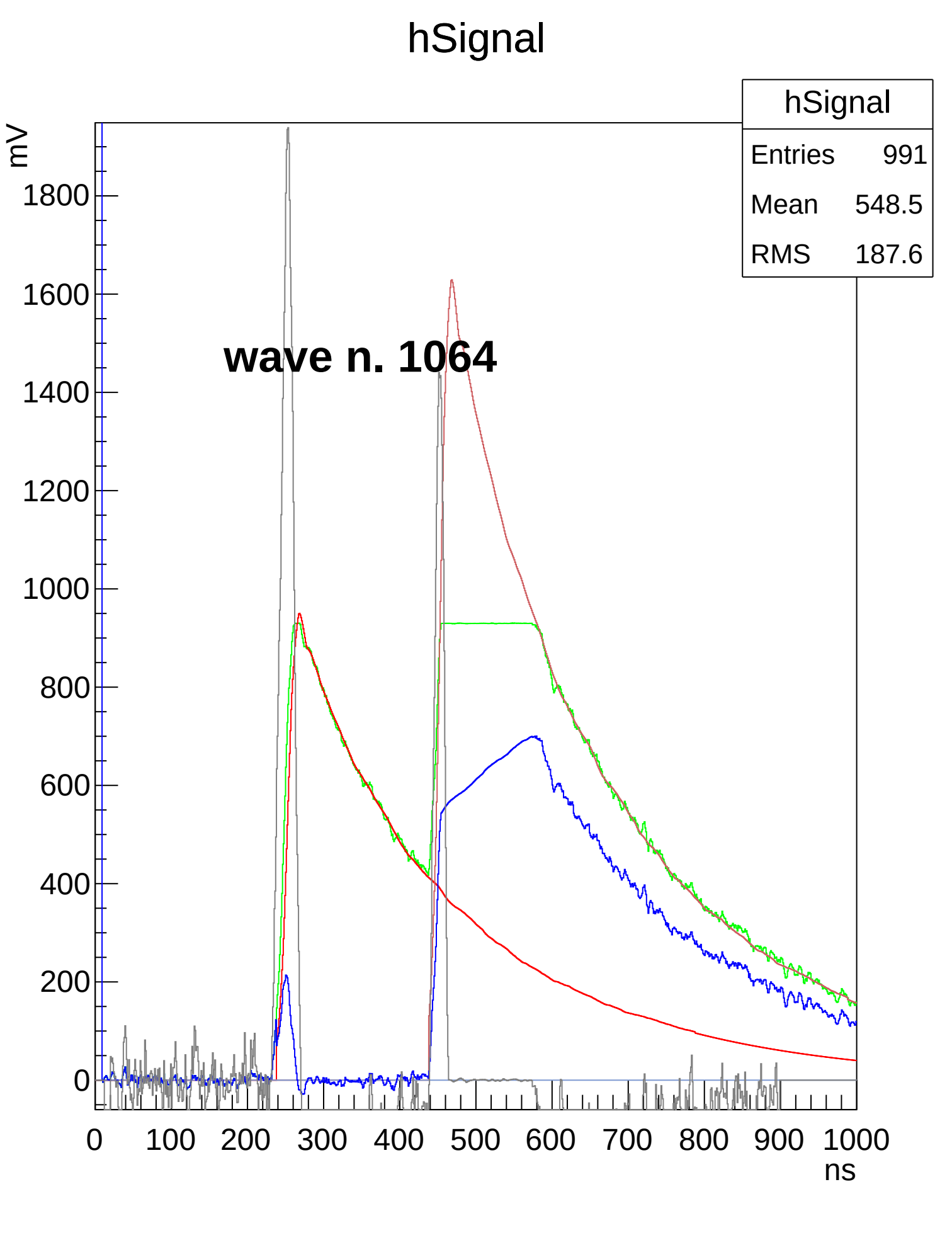

hSignal
hSignal
Entries 991
Mean 484.1
RMS 172.9
wave n. 1059
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

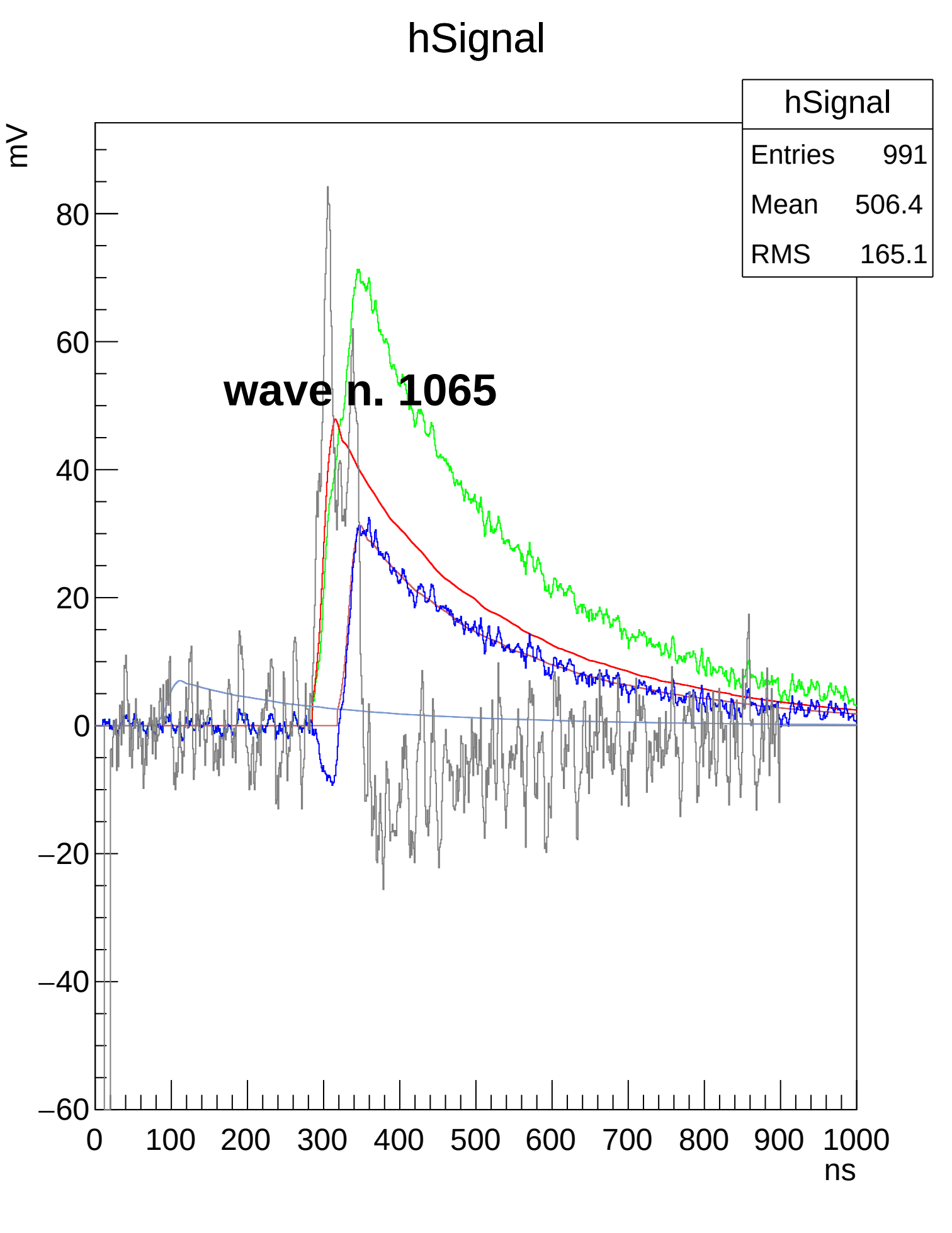

hSignal
hSignal
Entries 991
Mean 569.7
RMS 160.7
wave n. 1060
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

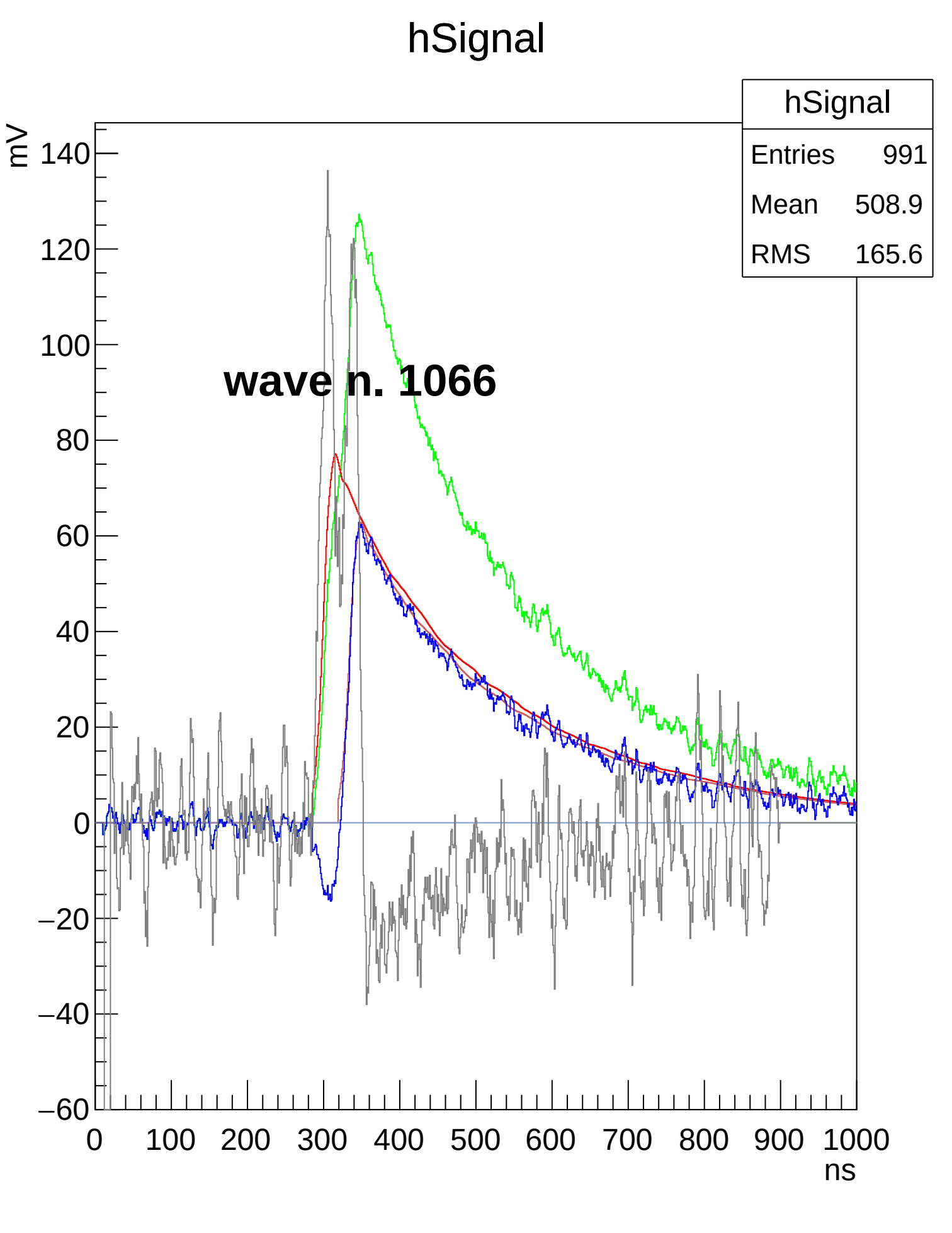

hSignal
hSignal
Entries 991
Mean 544.3
RMS 161.8
wave n. 1061
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

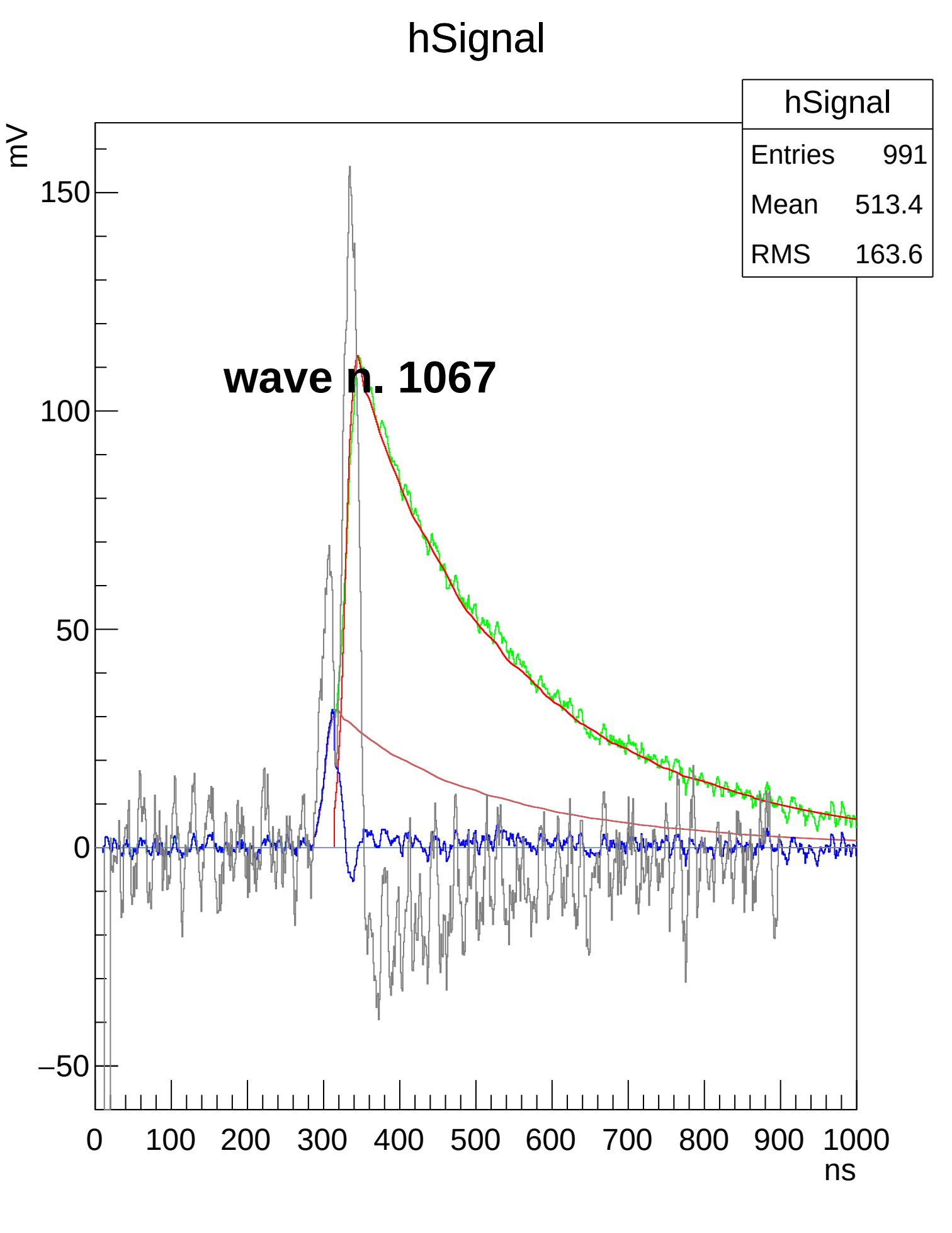

hSignal
hSignal
Entries 991
Mean 542.4
RMS 168.7
wave n. 1062
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

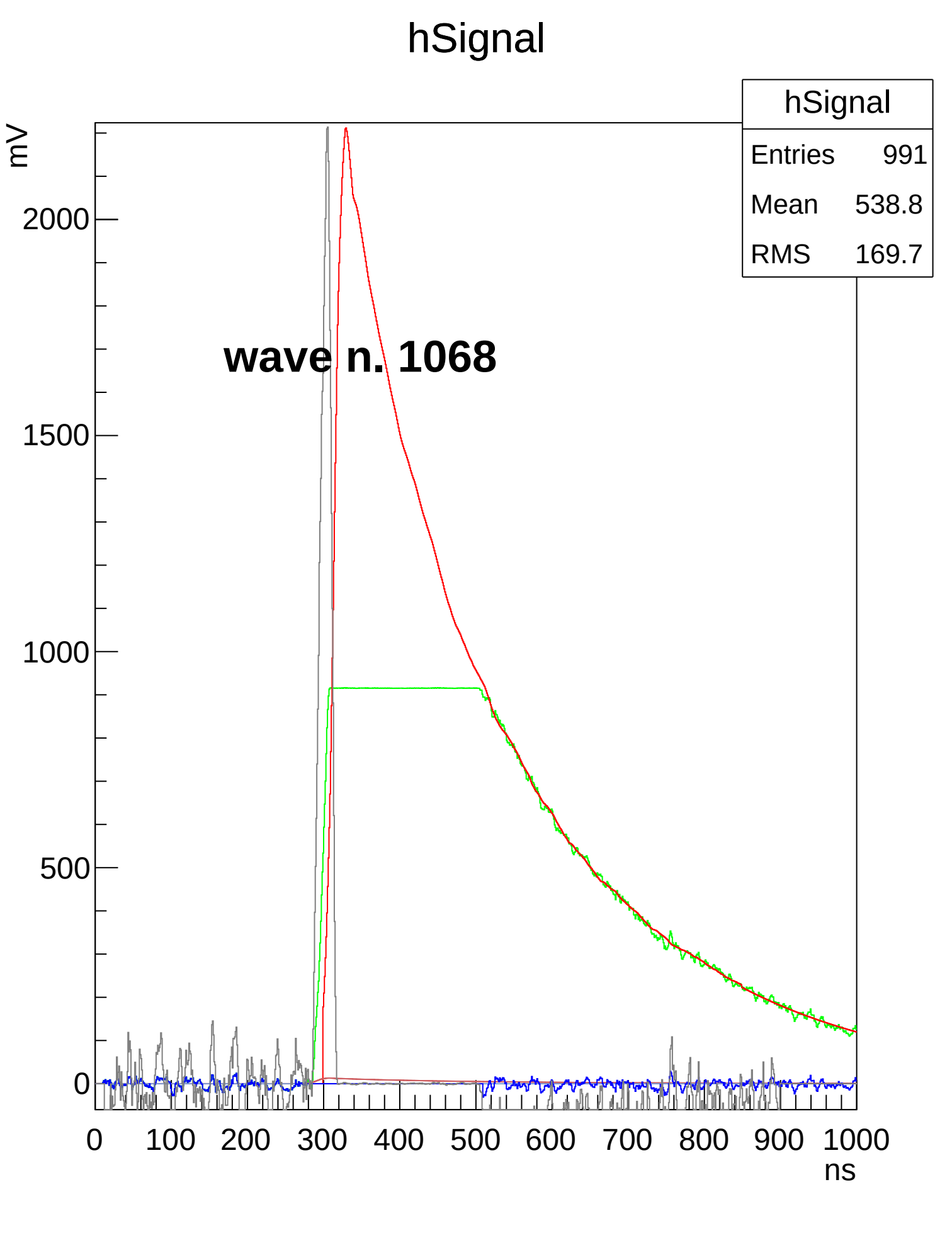

hSignal
hSignal
Entries 991
Mean 526.8
RMS 164.2
wave n. 1063
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

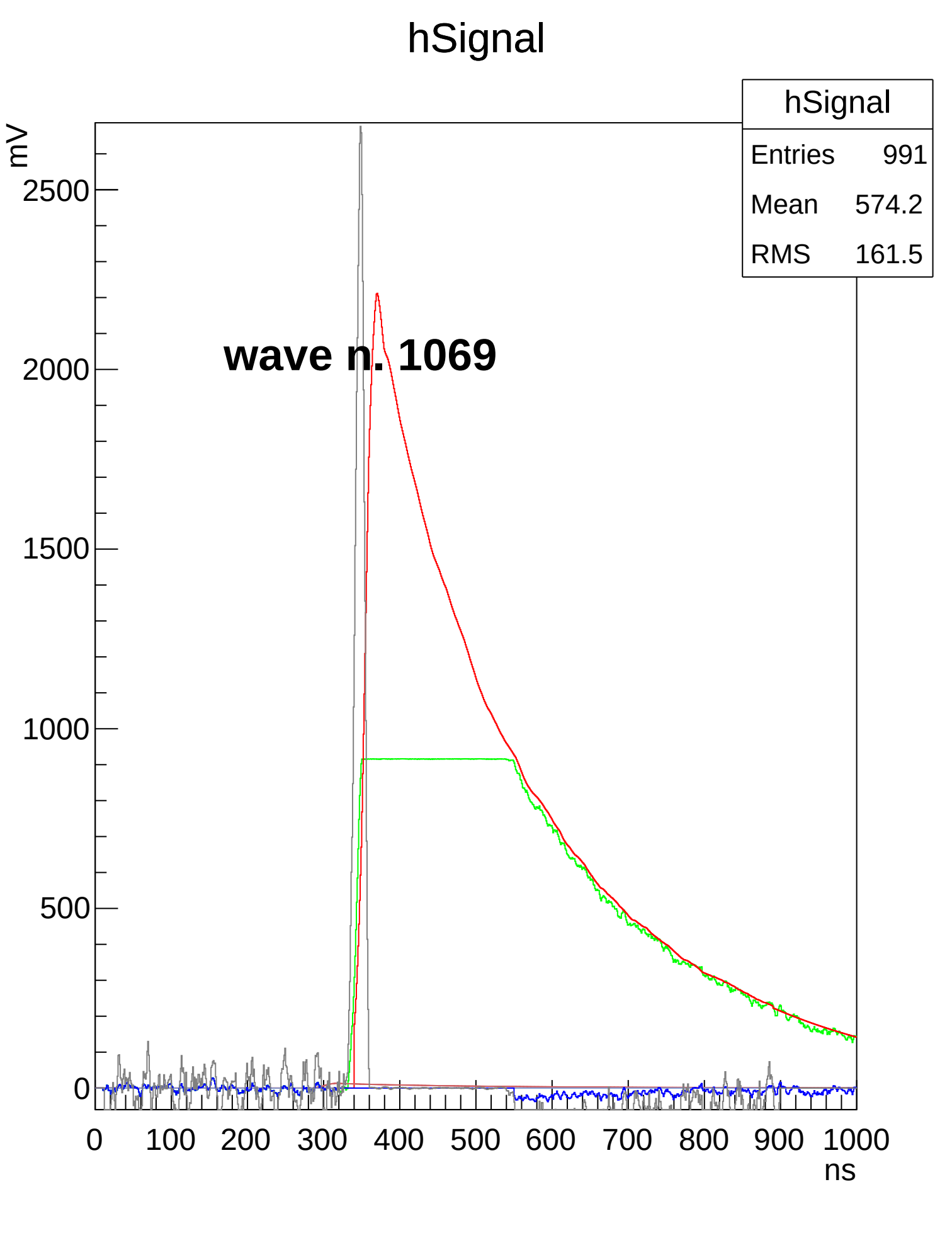

hSignal
hSignal
Entries 991
Mean 548.5
RMS 187.6
wave n. 1064
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

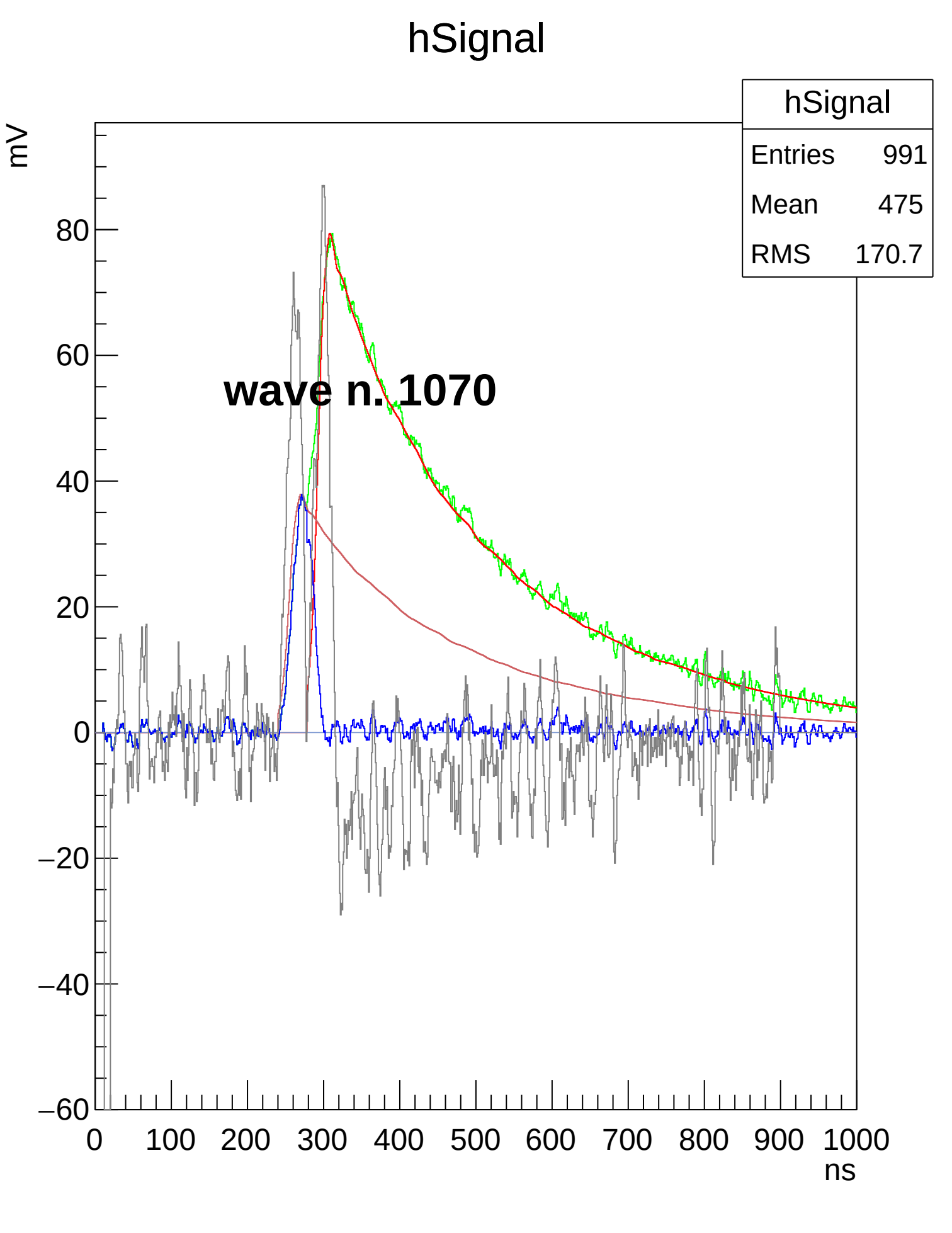

hSignal
hSignal
Entries 991
Mean 506.4
RMS 165.1
wave n. 1065
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

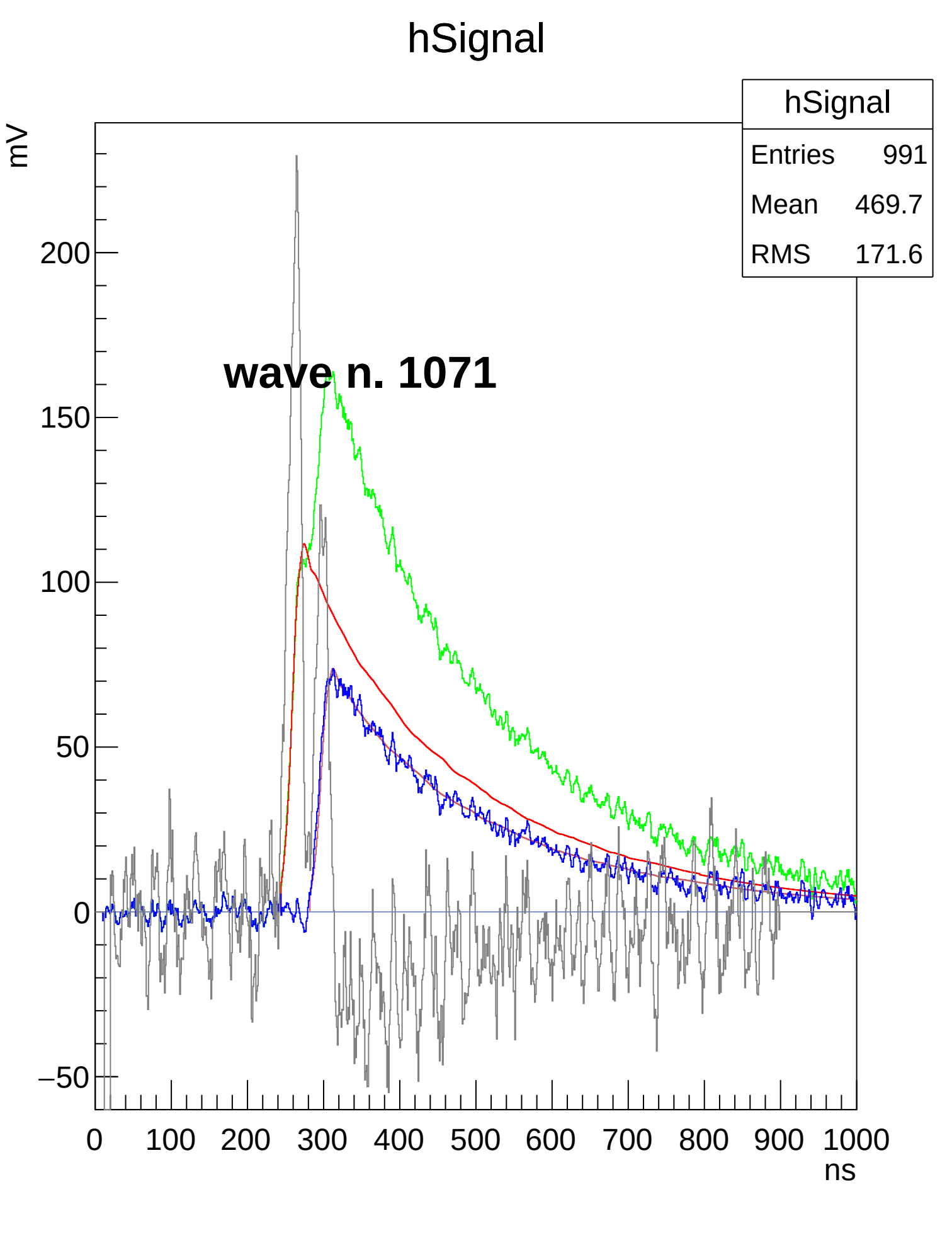

hSignal
hSignal
Entries 991
Mean 508.9
RMS 165.6
wave n. 1066
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

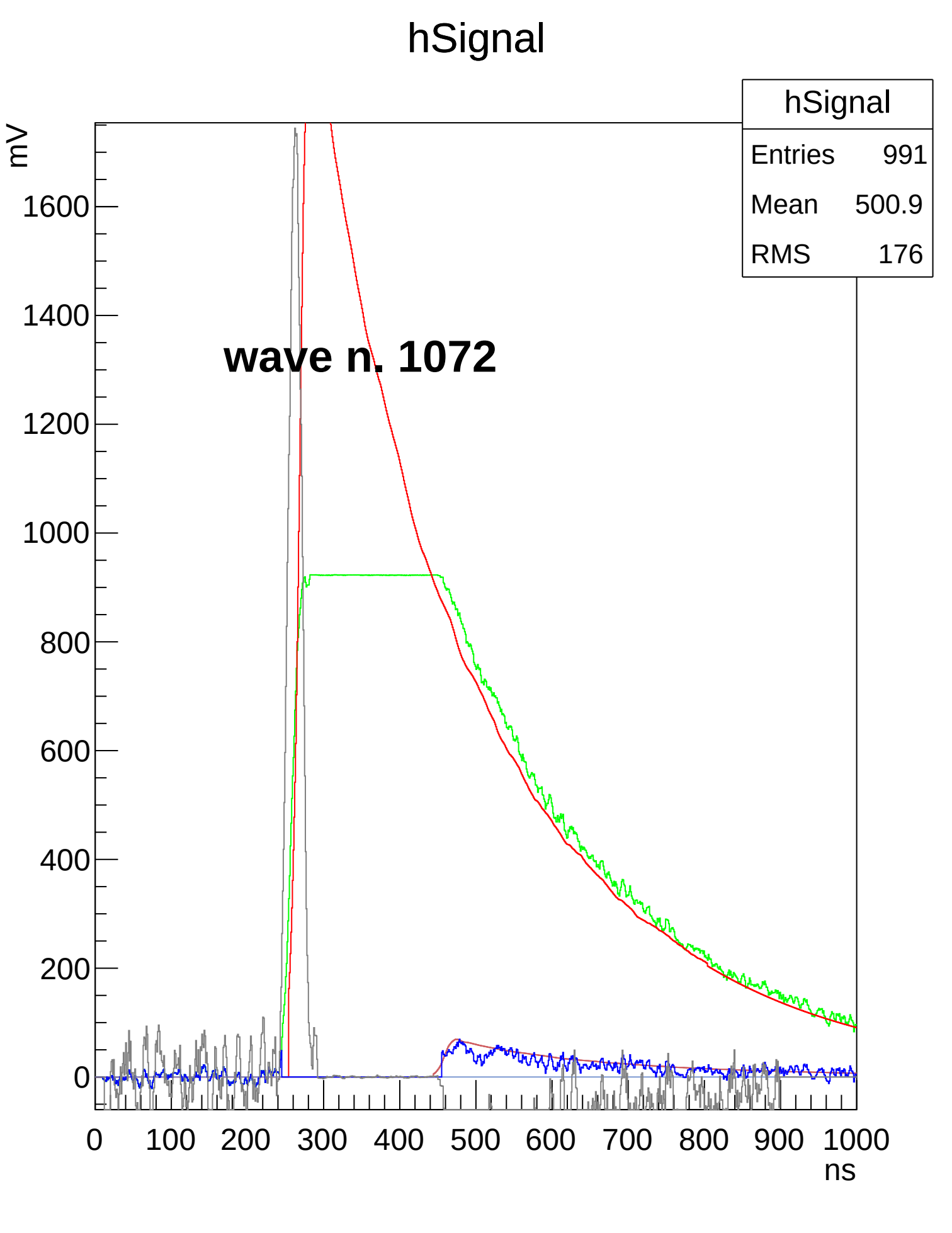

hSignal
hSignal
Entries 991
Mean 513.4
RMS 163.6
wave n. 1067
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

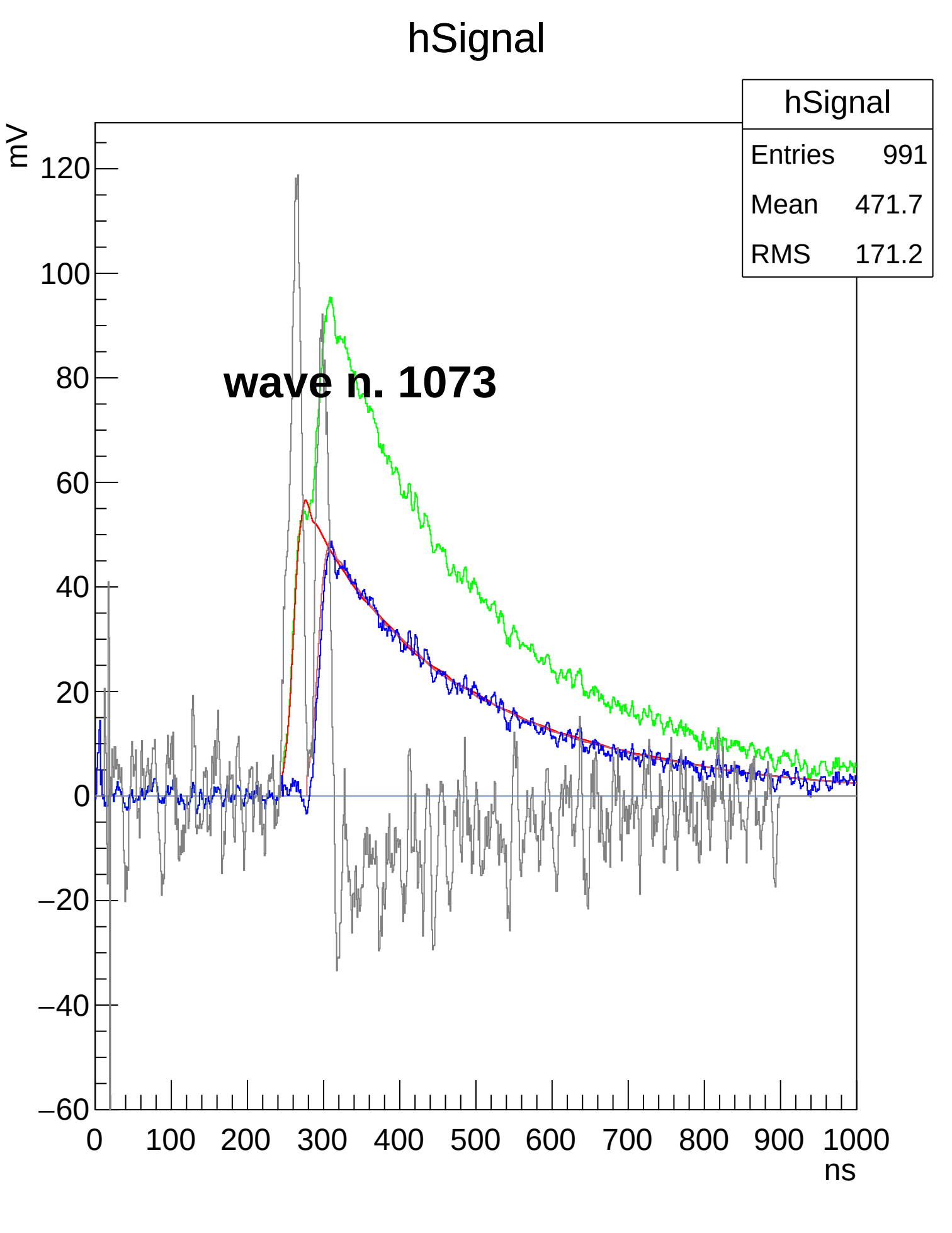

hSignal
hSignal
Entries 991
Mean 538.8
RMS 169.7
wave n. 1068
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

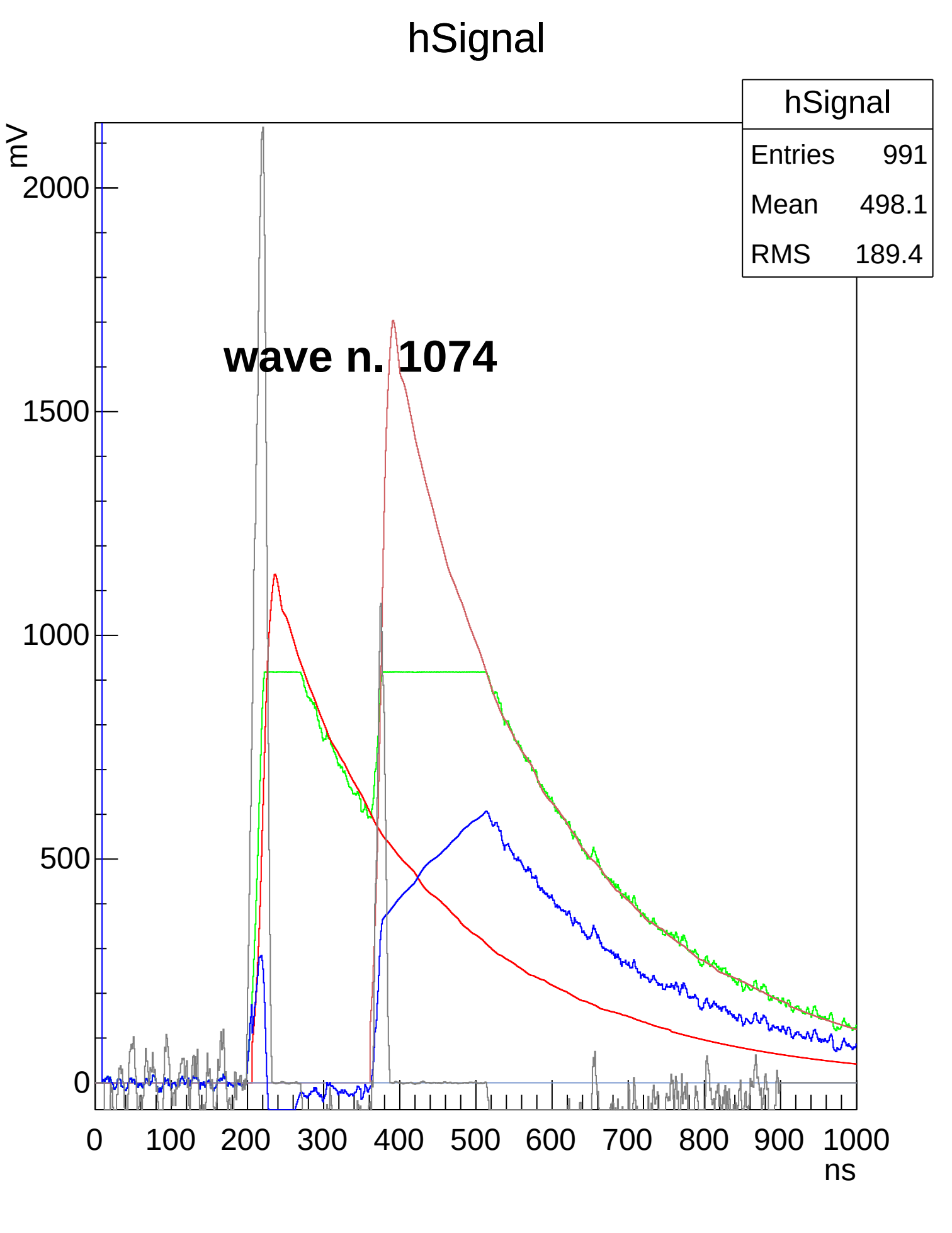

hSignal
hSignal
Entries 991
Mean 574.2
RMS 161.5
wave n. 1069
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

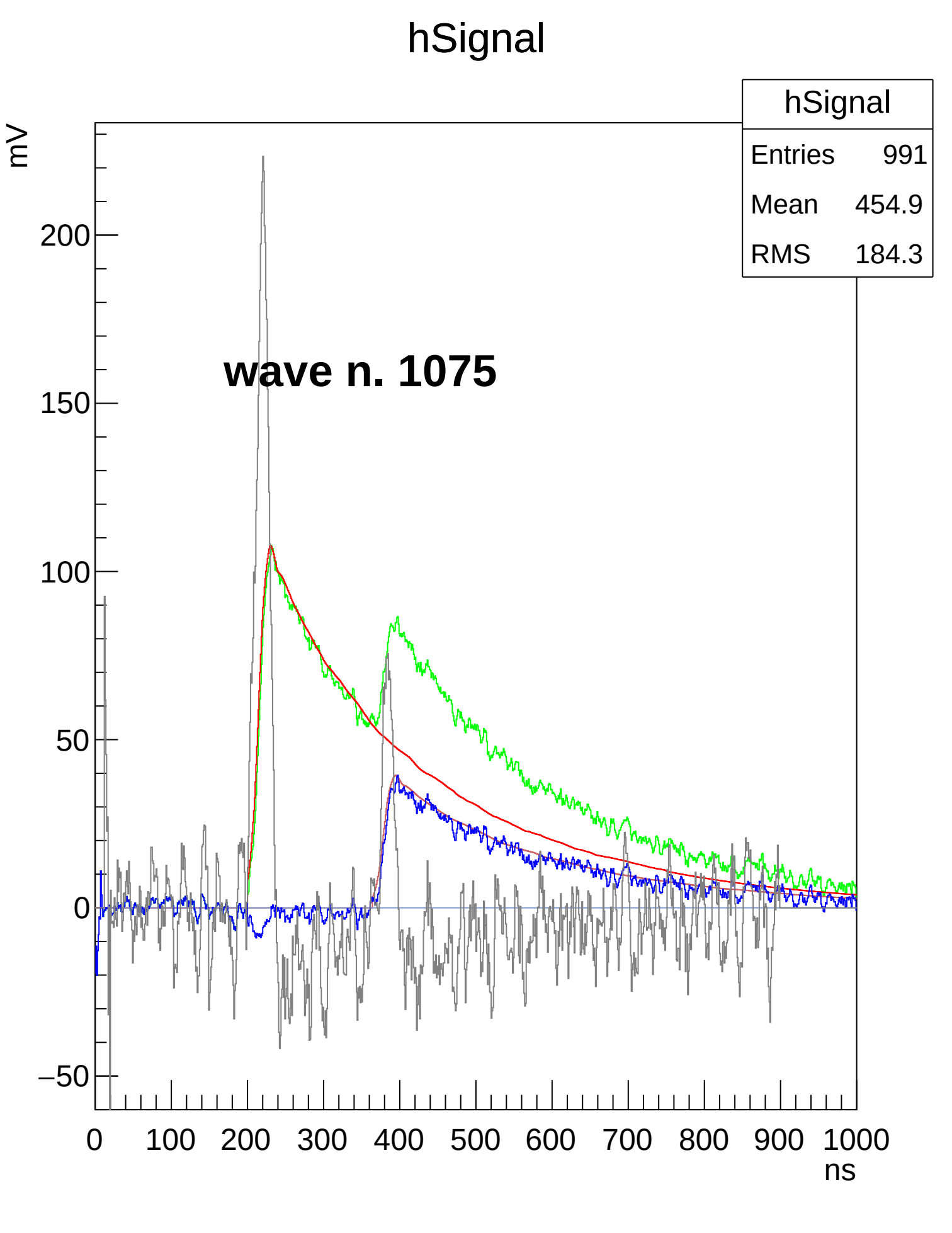

hSignal
hSignal
Entries 991
Mean 475
RMS 170.7
wave n. 1070
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

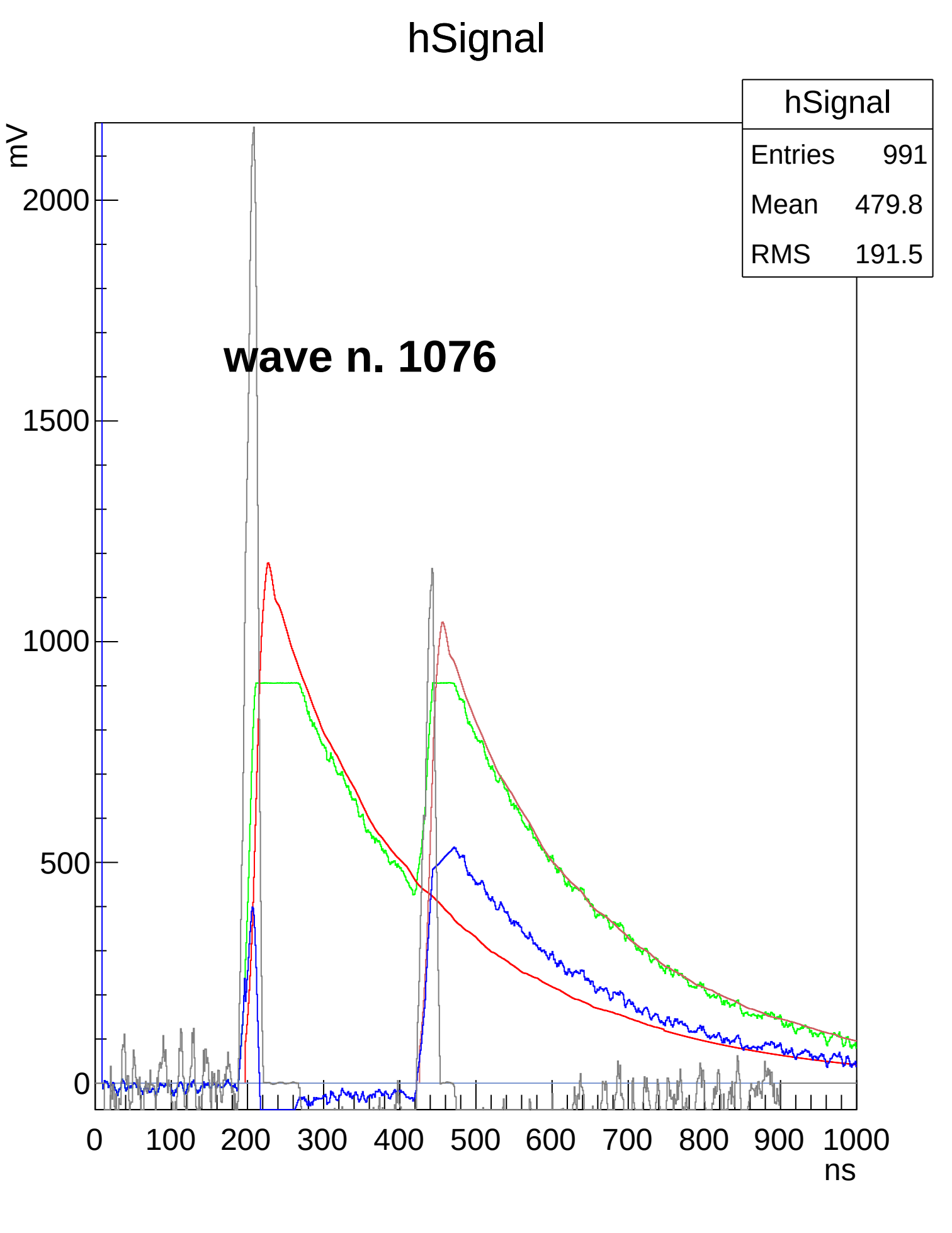

hSignal
hSignal
Entries 991
Mean 469.7
RMS 171.6
wave n. 1071
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

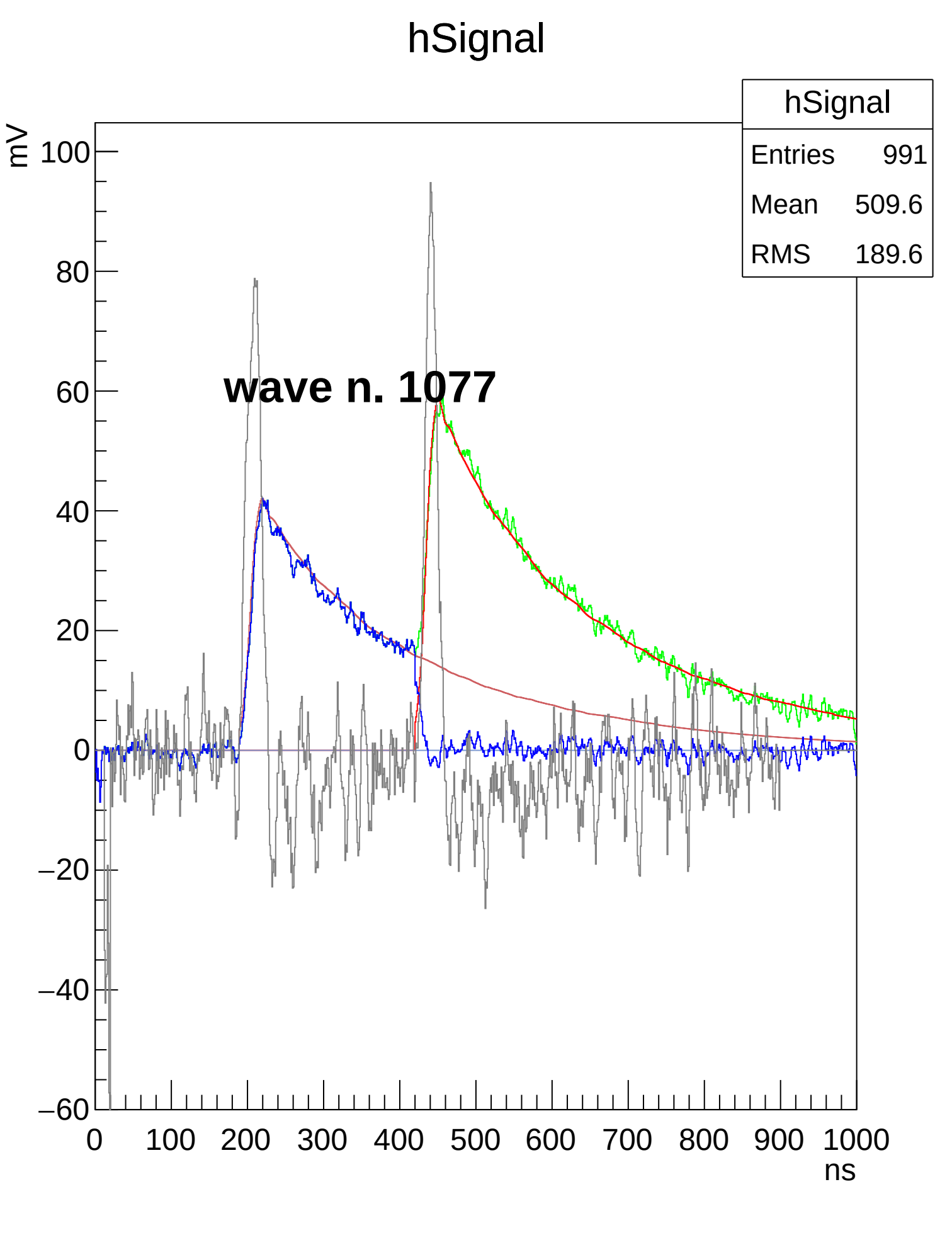

hSignal
hSignal
Entries 991
Mean 500.9
RMS 176
wave n. 1072
mV
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

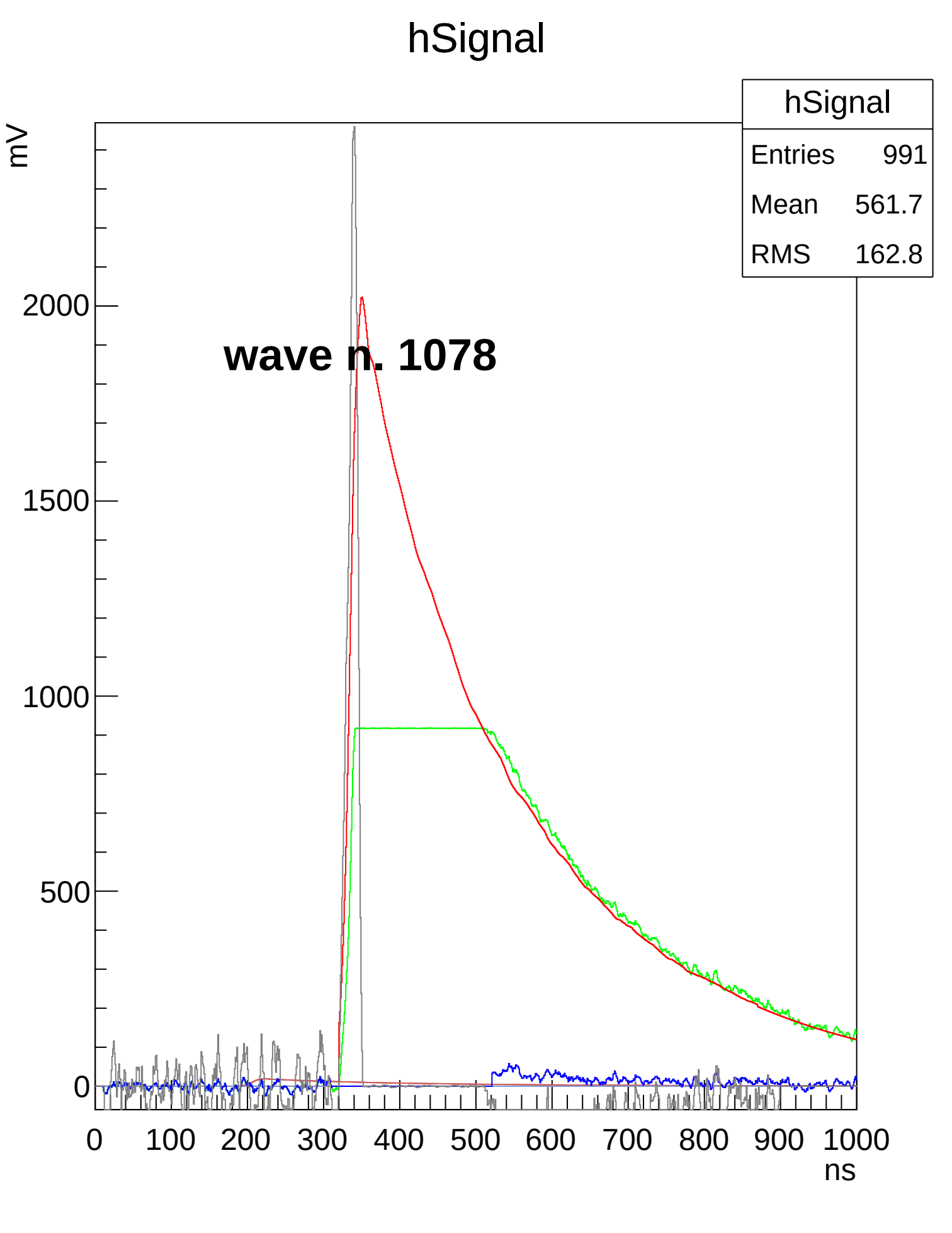

hSignal
hSignal
Entries 991
Mean 471.7
RMS 171.2
wave n. 1073
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

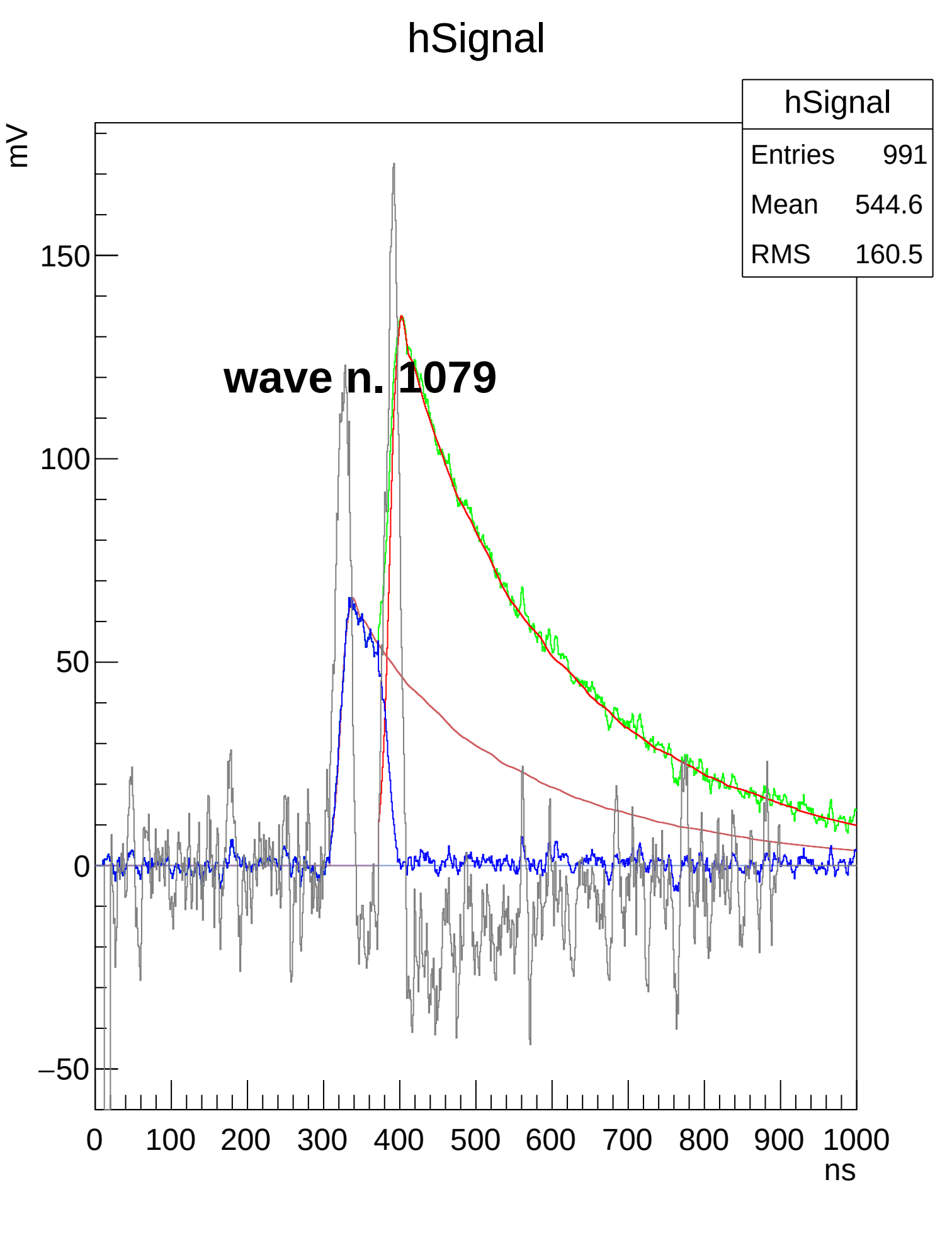

hSignal
hSignal
Entries 991
Mean 498.1
RMS 189.4
wave n. 1074
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

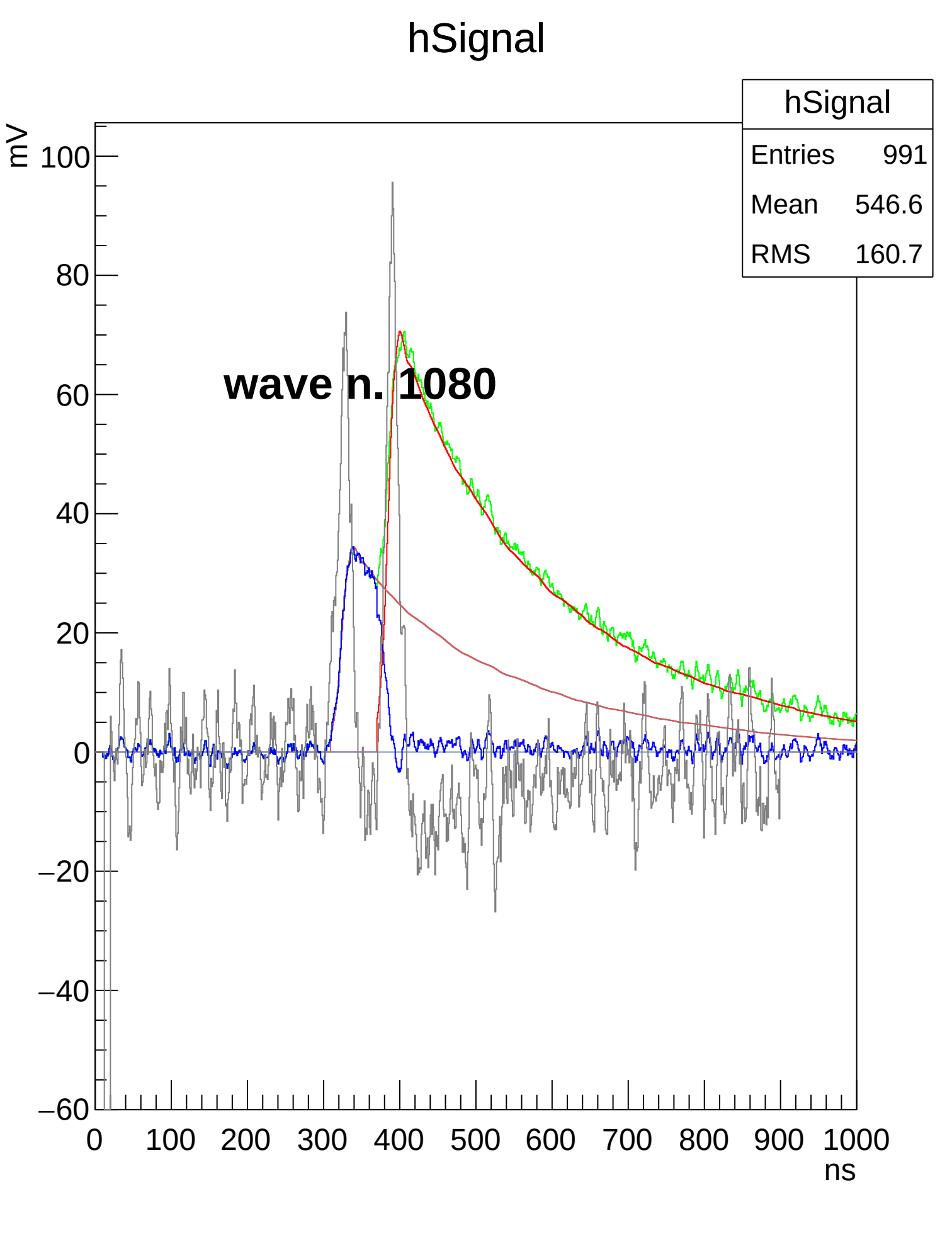

hSignal
hSignal
Entries 991
Mean 454.9
RMS 184.3
wave n. 1075
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

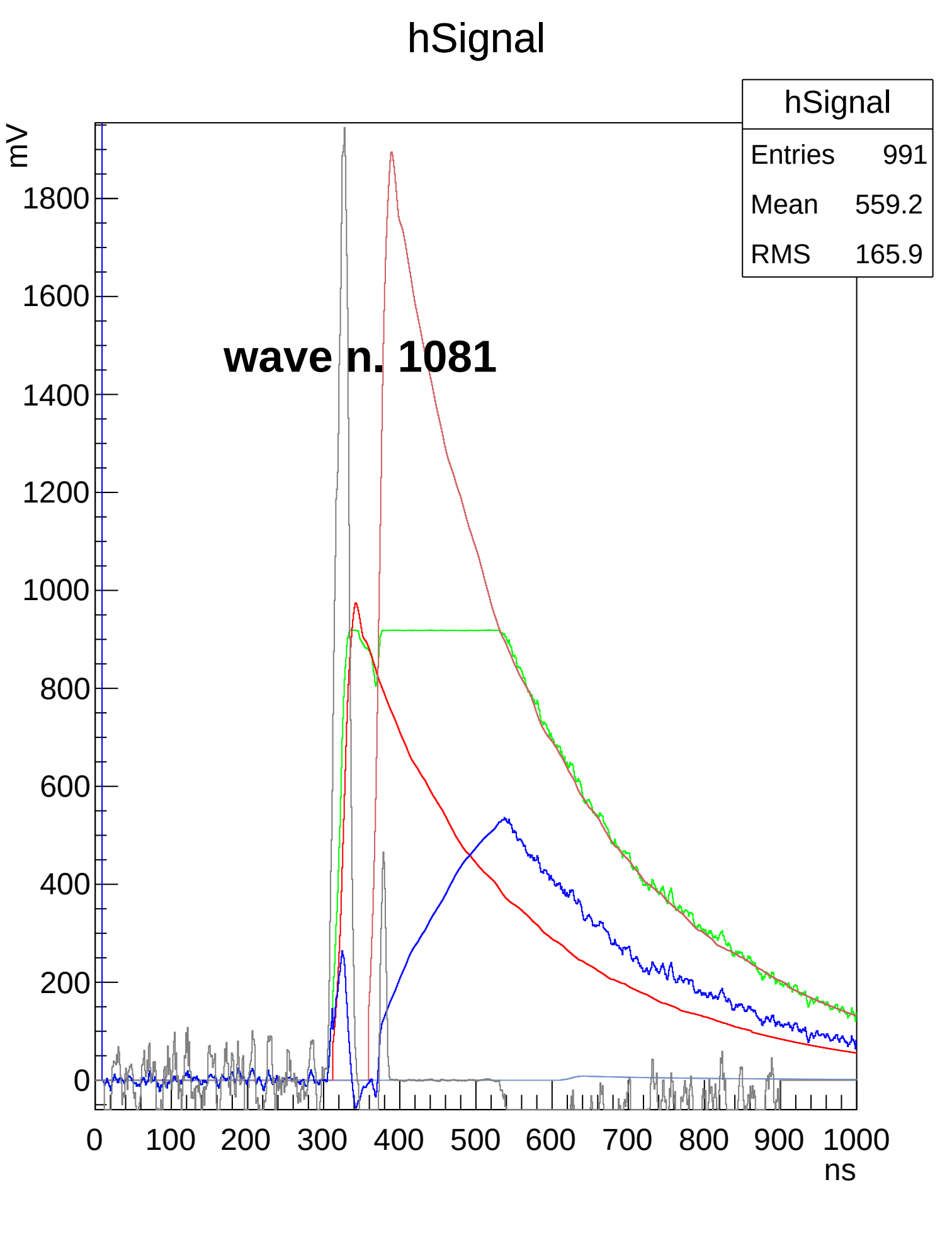

hSignal
hSignal
Entries 991
Mean 479.8
RMS 191.5
wave n. 1076
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

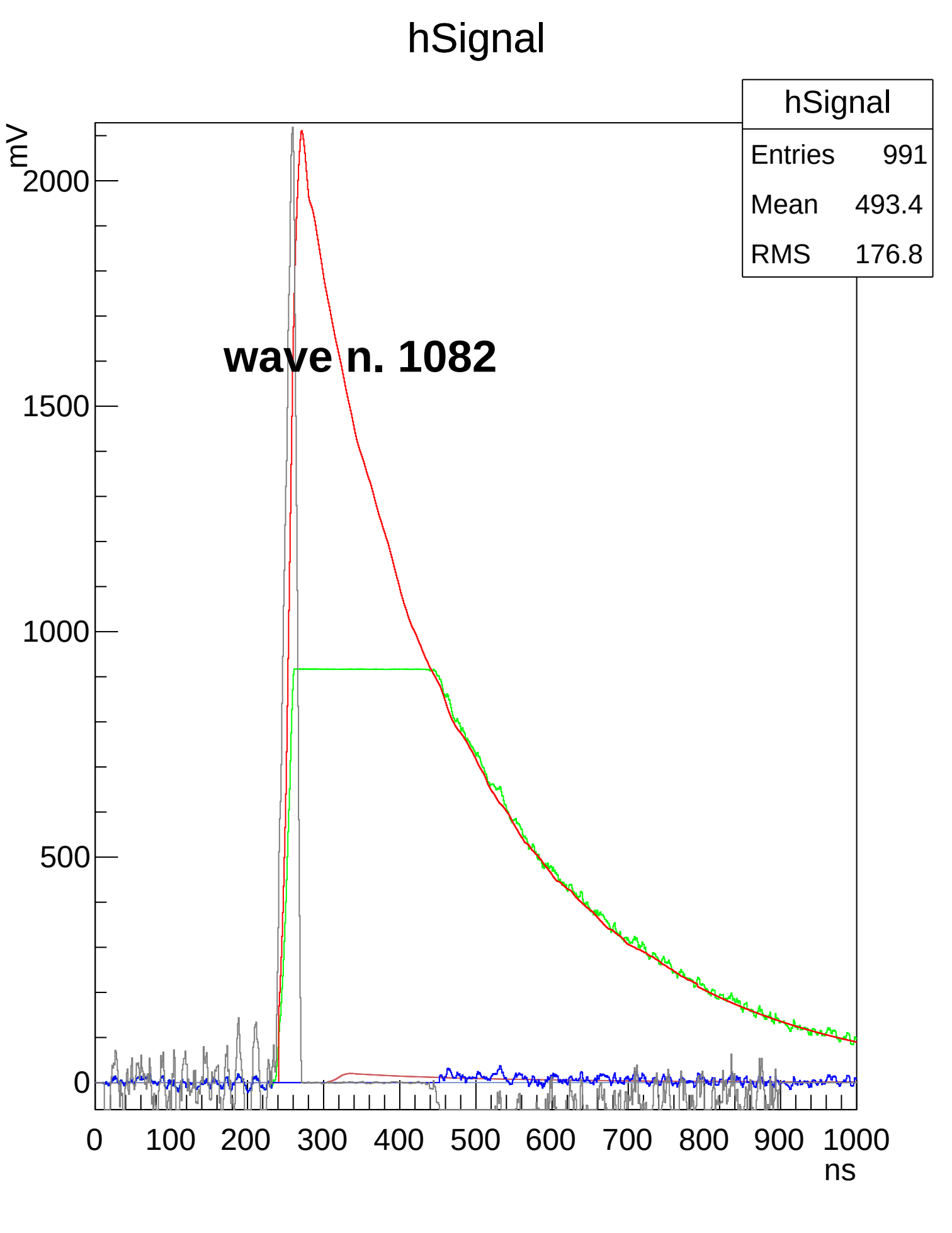

hSignal
hSignal
Entries 991
Mean 509.6
RMS 189.6
wave n. 1077
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

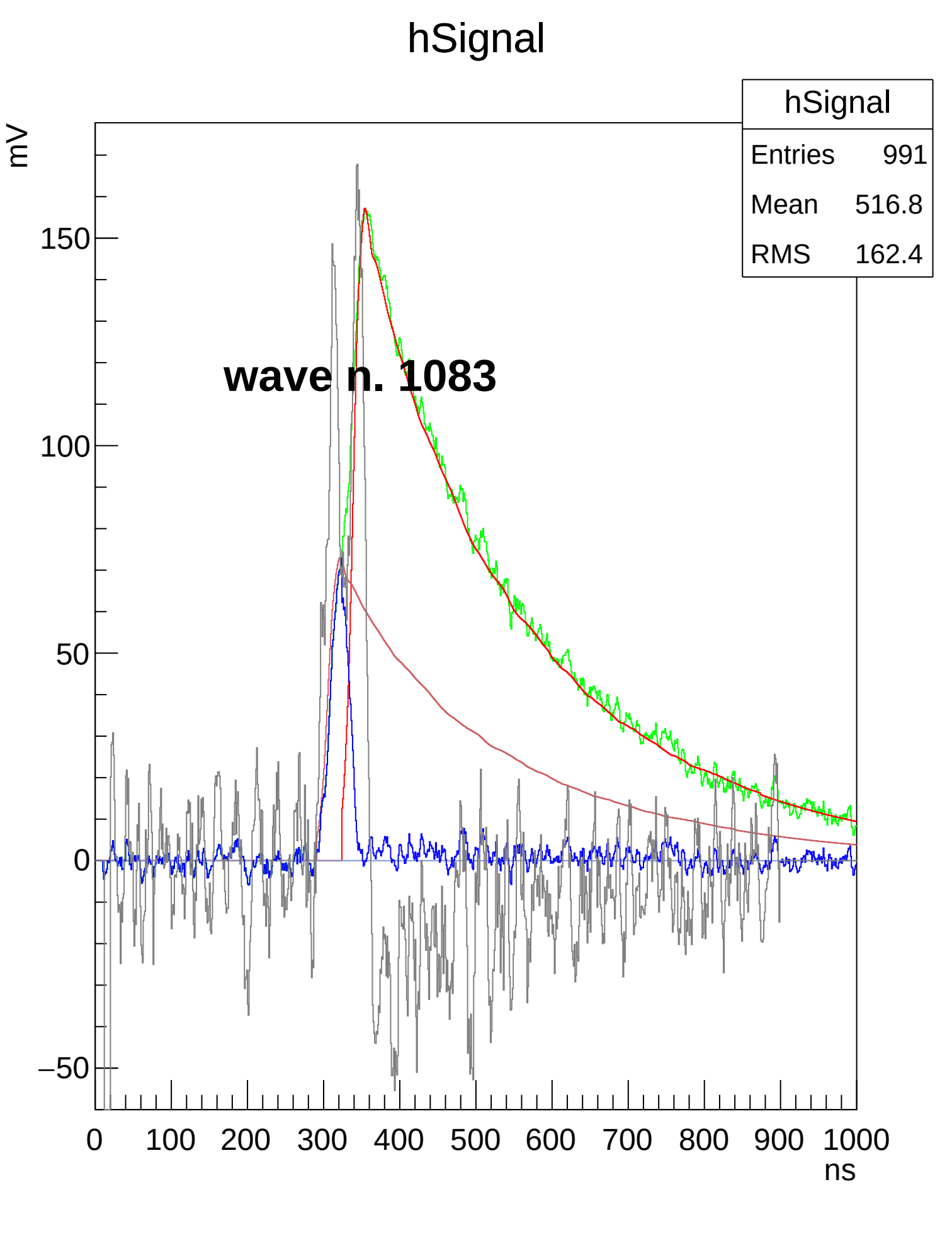

hSignal
hSignal
Entries 991
Mean 561.7
RMS 162.8
wave n. 1078
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

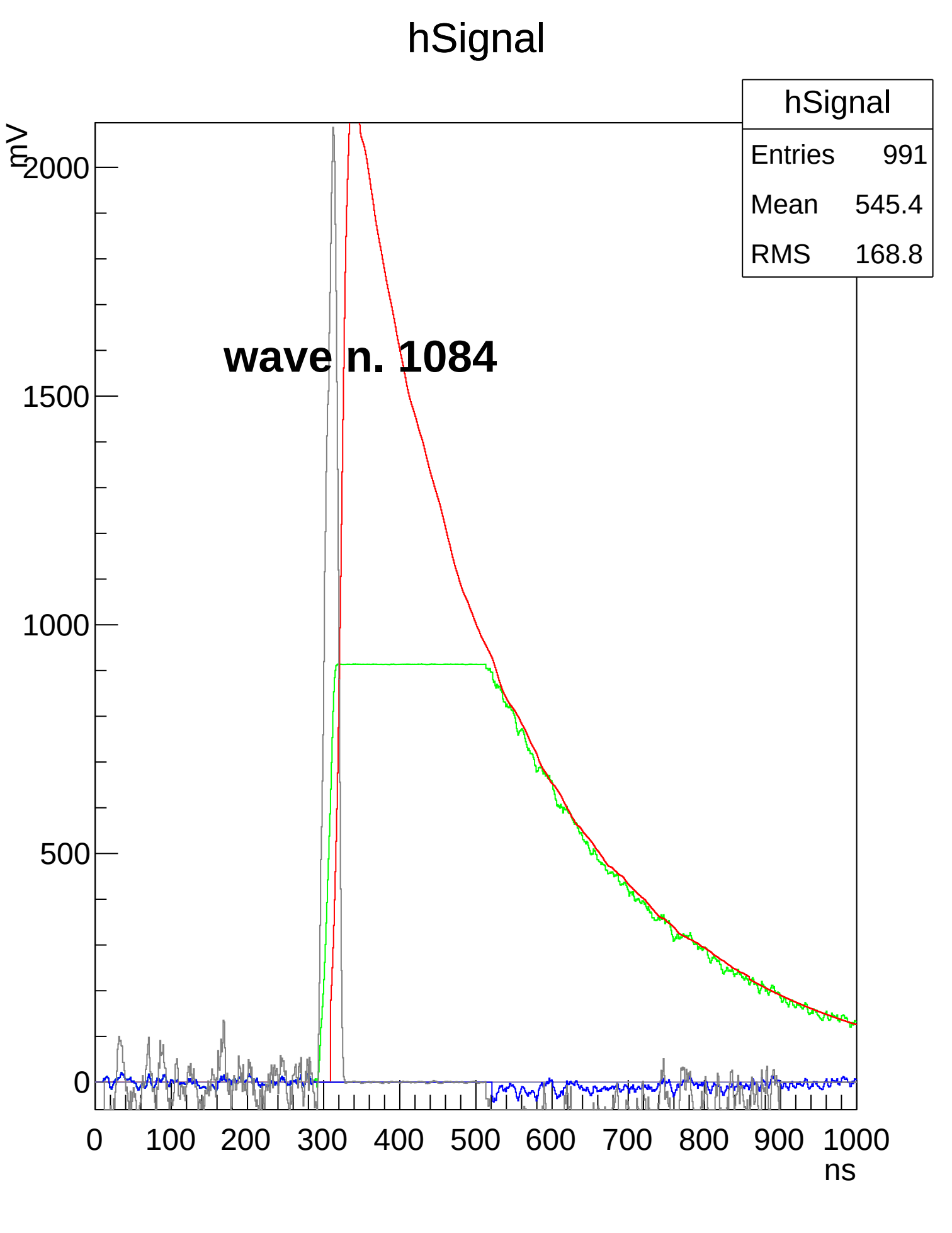

hSignal
hSignal
Entries 991
Mean 544.6
RMS 160.5
wave n. 1079
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

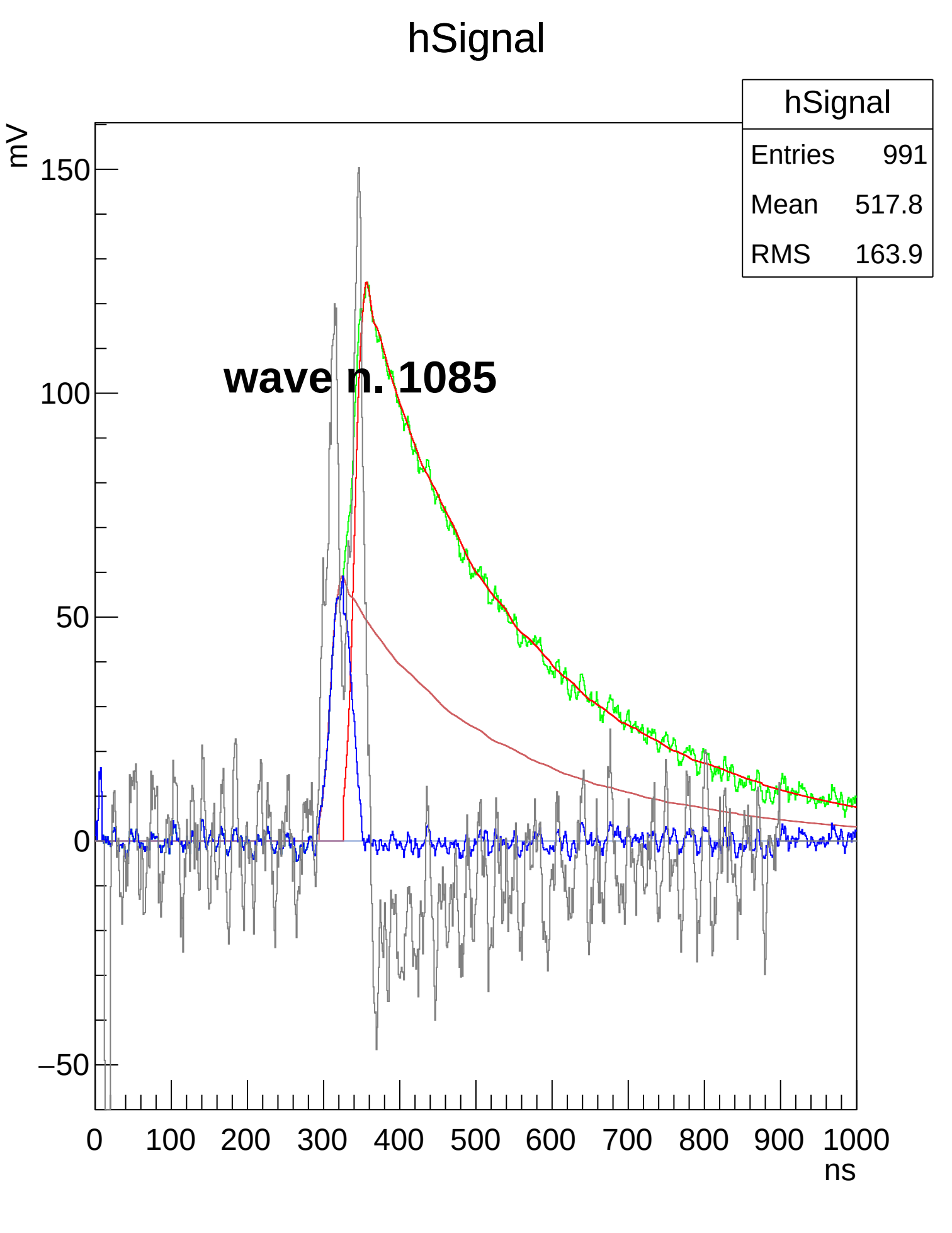

hSignal
hSignal
Entries 991
Mean 546.6
RMS 160.7
wave n. 1080
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

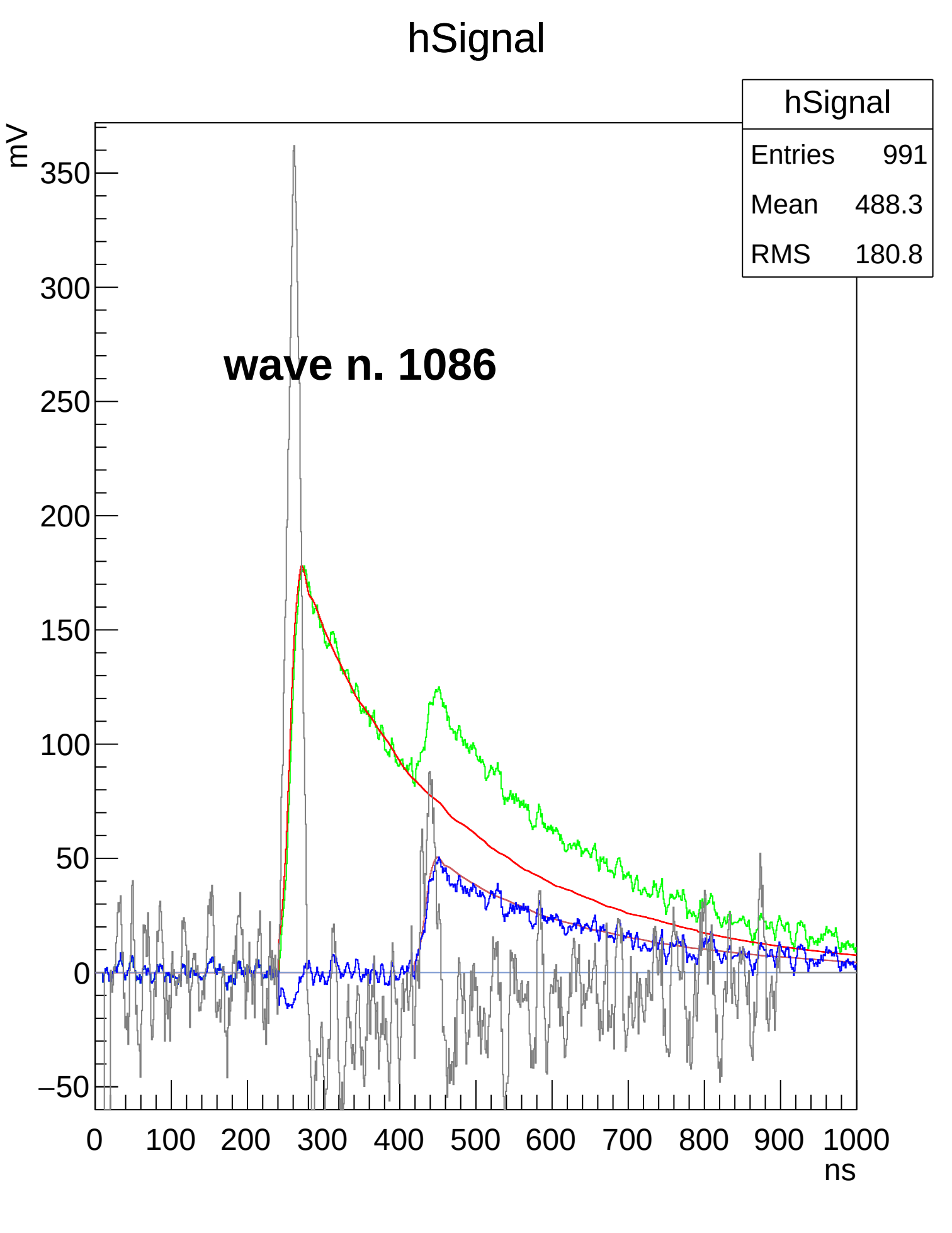

hSignal
hSignal
Entries 991
Mean 559.2
RMS 165.9
wave n. 1081
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

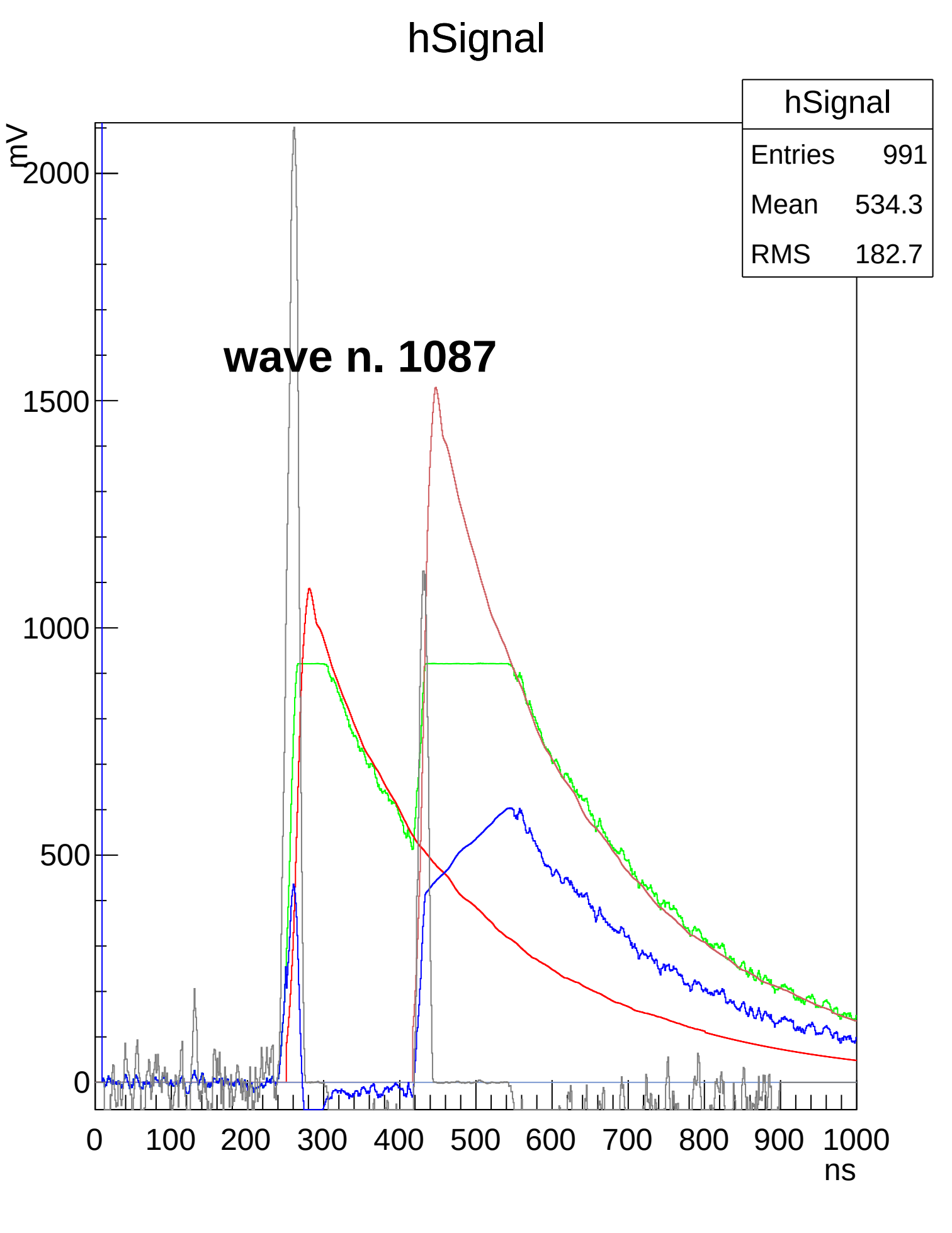

hSignal
hSignal
Entries 991
Mean 493.4
RMS 176.8
wave n. 1082
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

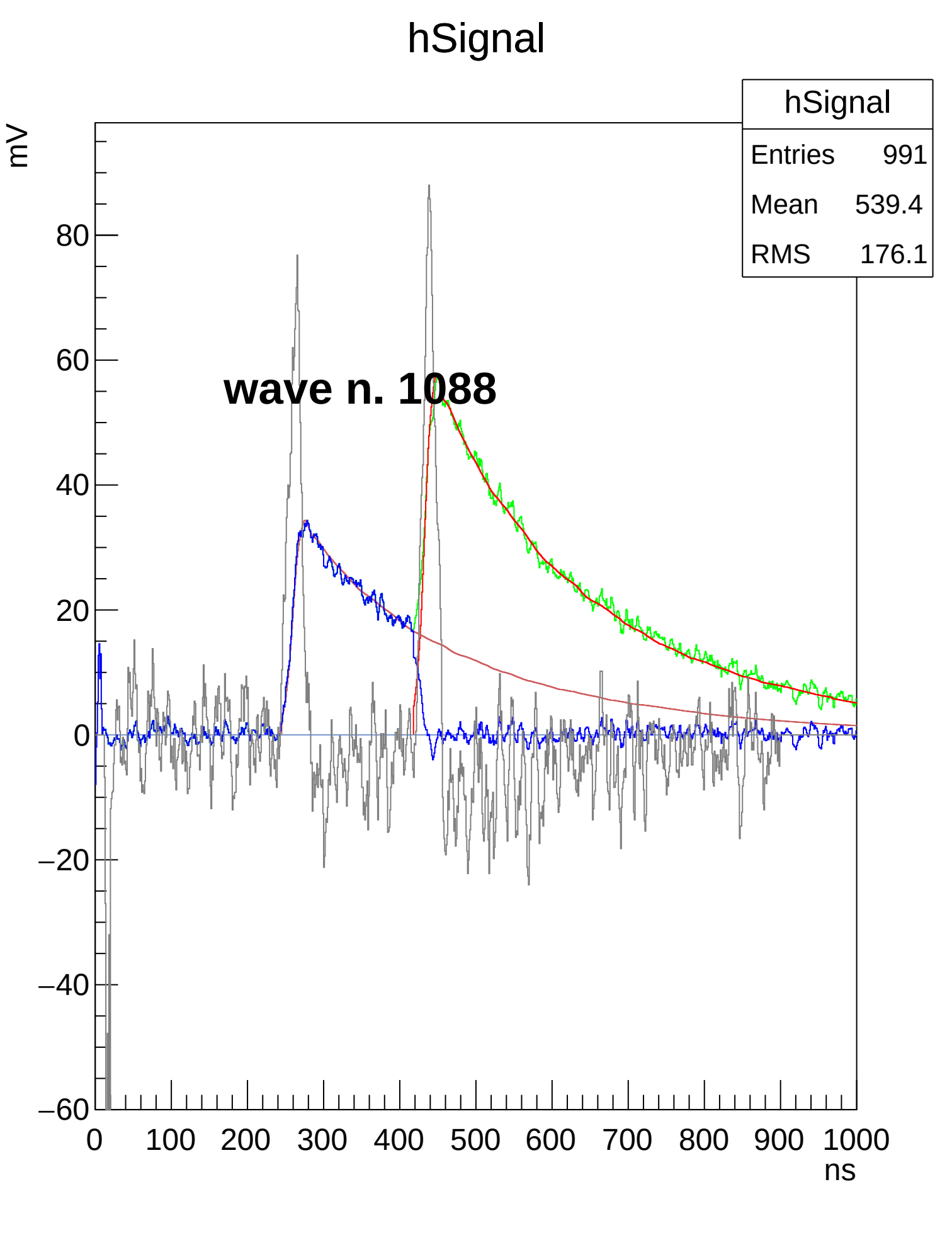

hSignal
hSignal
Entries 991
Mean 516.8
RMS 162.4
wave n. 1083
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

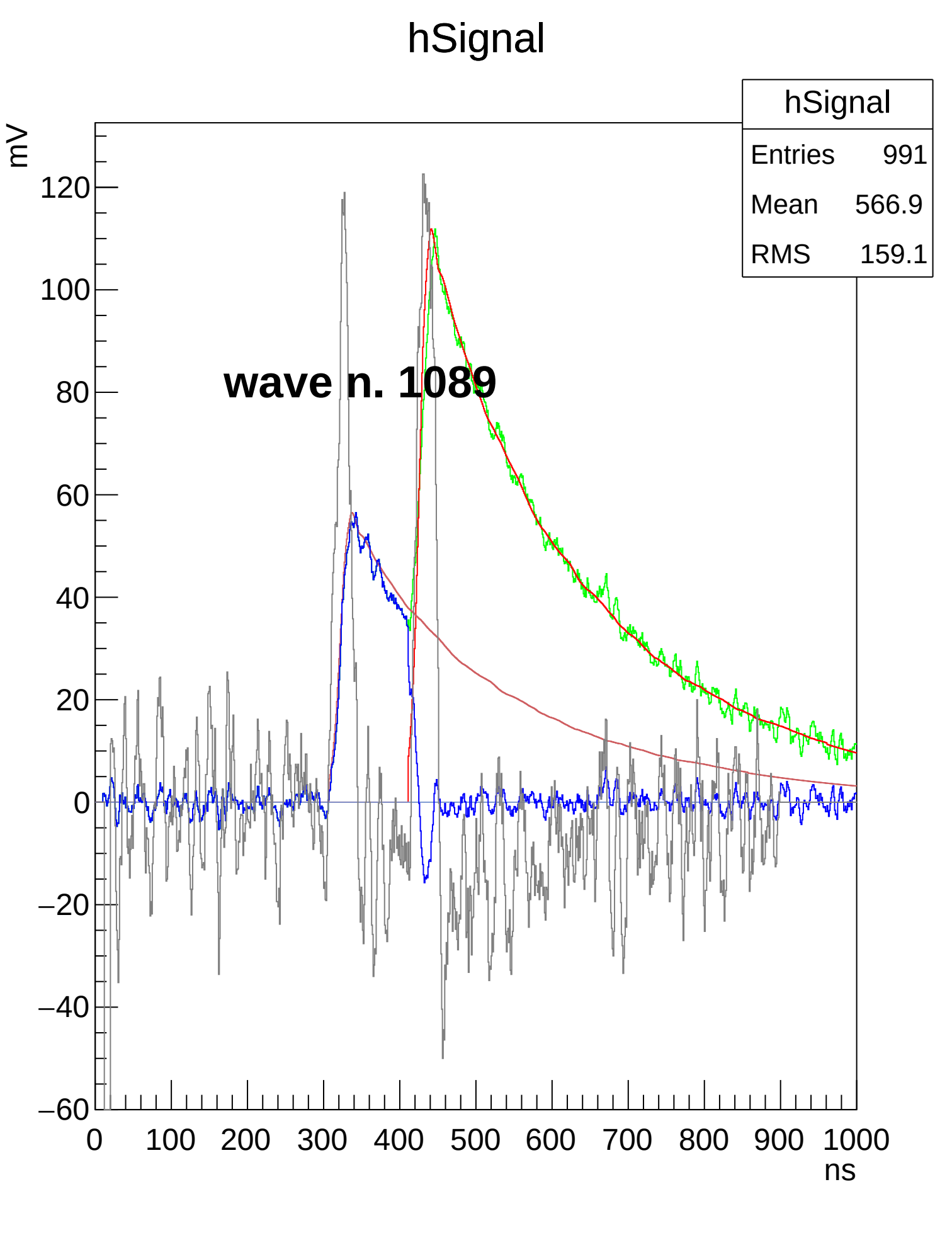

hSignal
hSignal
Entries 991
Mean 545.4
RMS 168.8
wave n. 1084
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

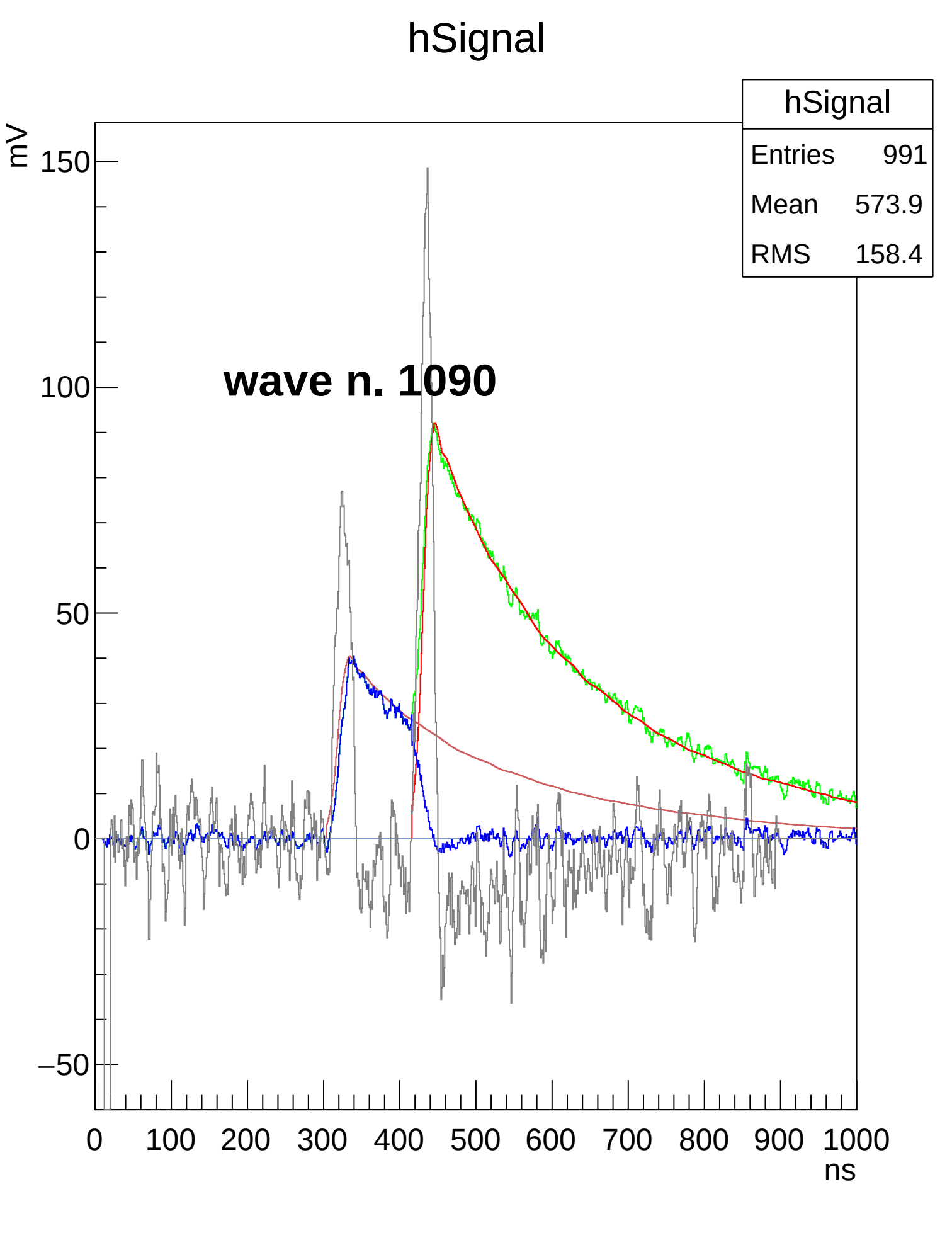

hSignal
hSignal
Entries 991
Mean 517.8
RMS 163.9
wave n. 1085
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

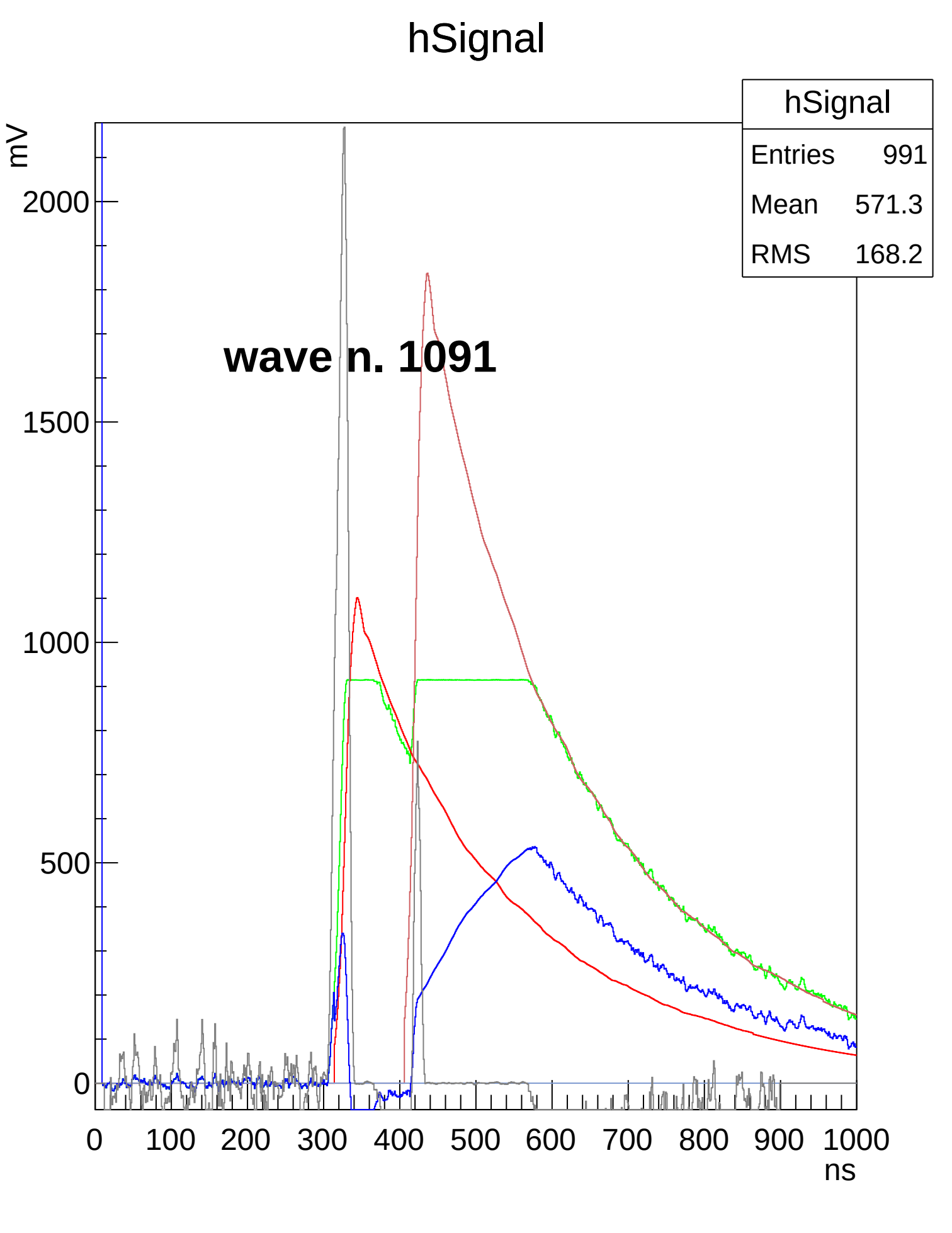

hSignal
hSignal
Entries 991
Mean 488.3
RMS 180.8
wave n. 1086
mV
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

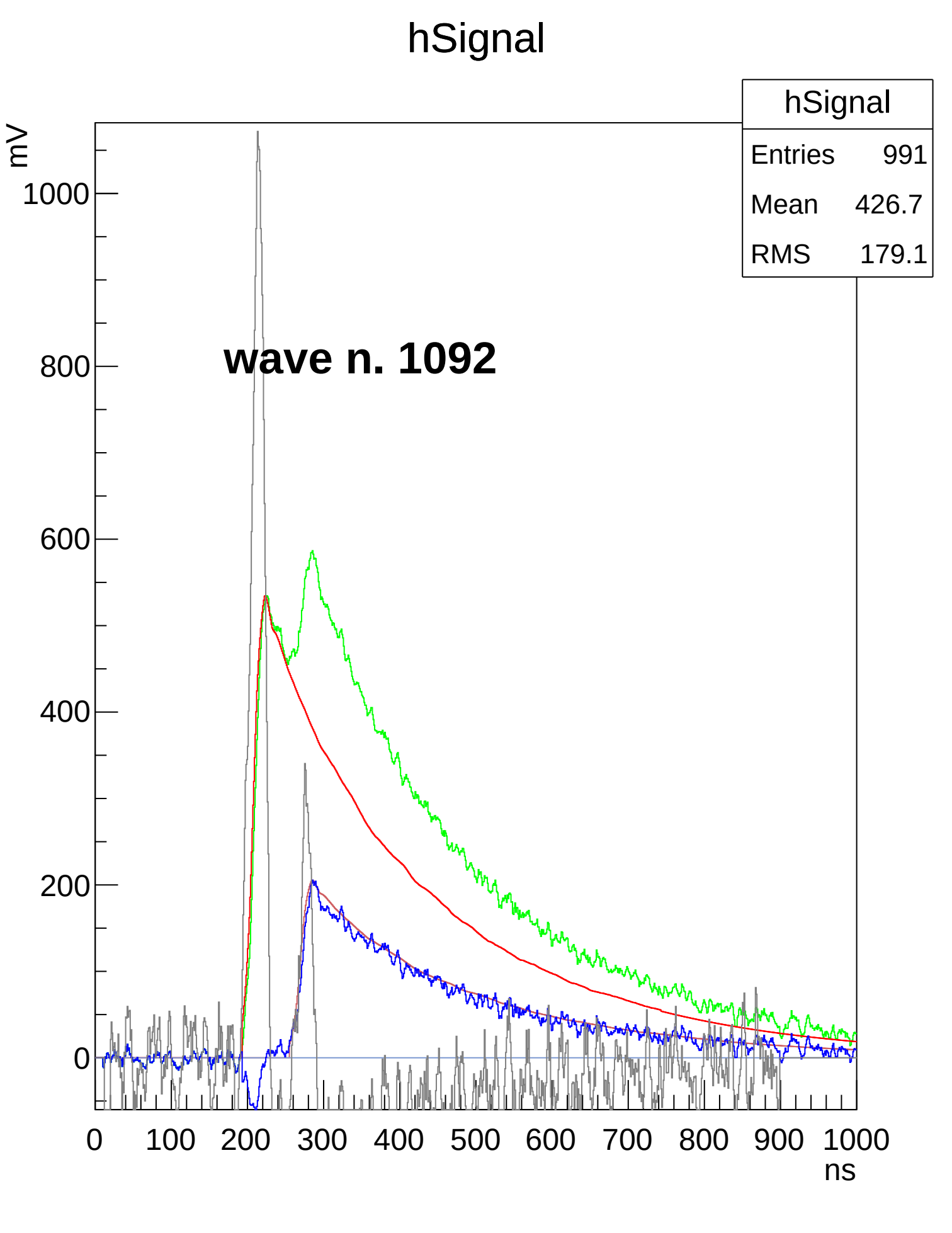

hSignal
hSignal
Entries 991
Mean 534.3
RMS 182.7
wave n. 1087
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

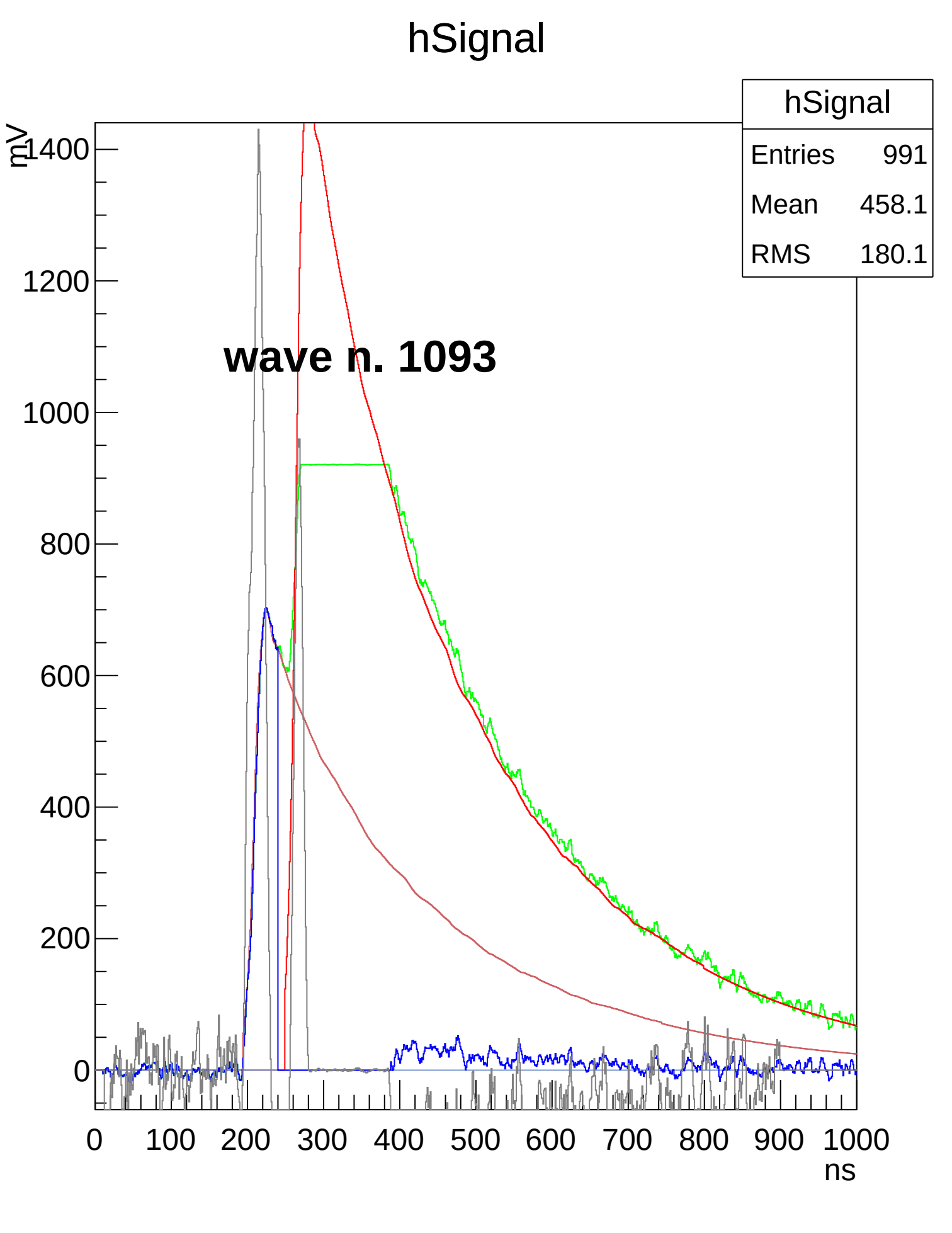

hSignal
hSignal
Entries 991
Mean 539.4
RMS 176.1
wave n. 1088
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

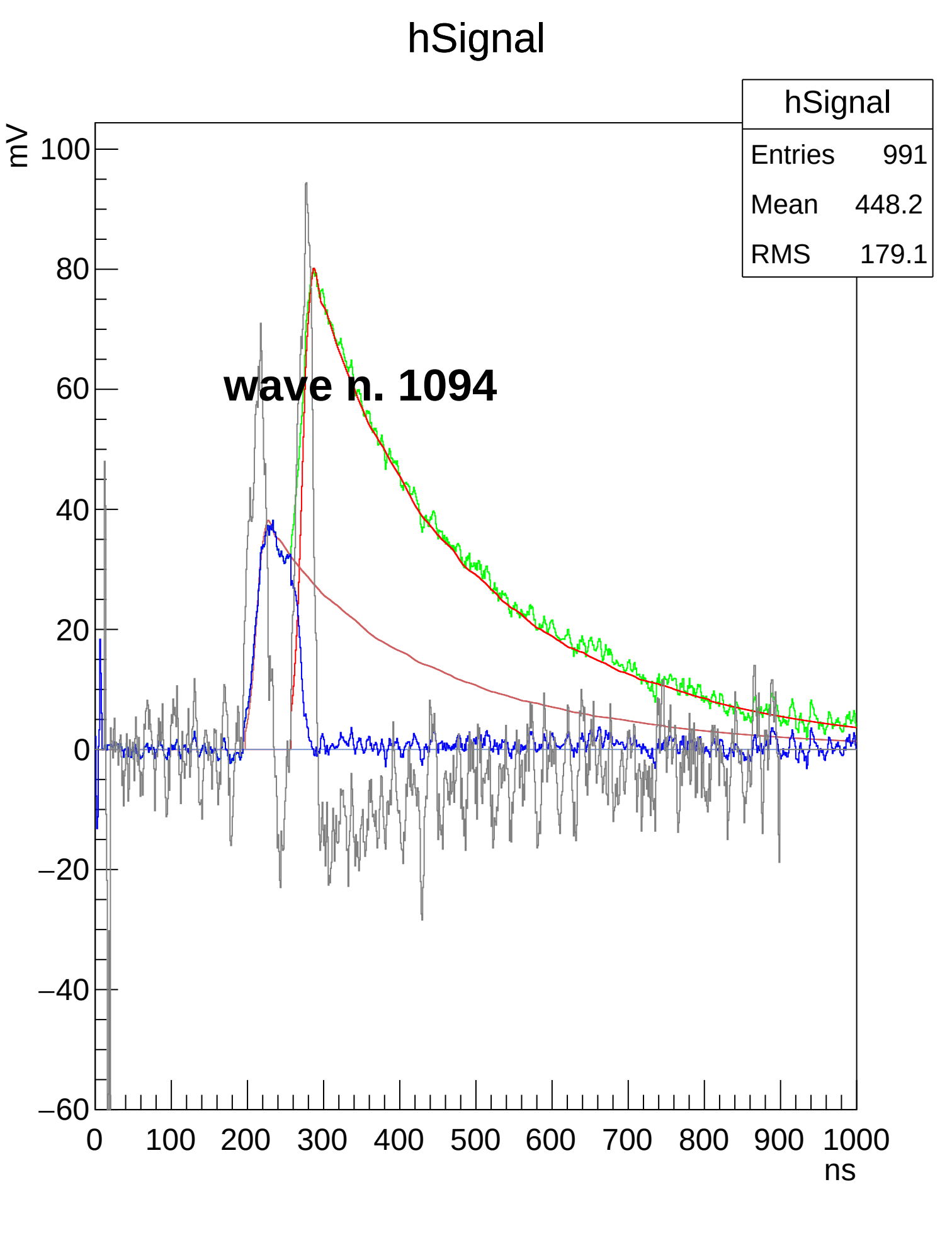

hSignal
hSignal
Entries 991
Mean 566.9
RMS 159.1
wave n. 1089
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

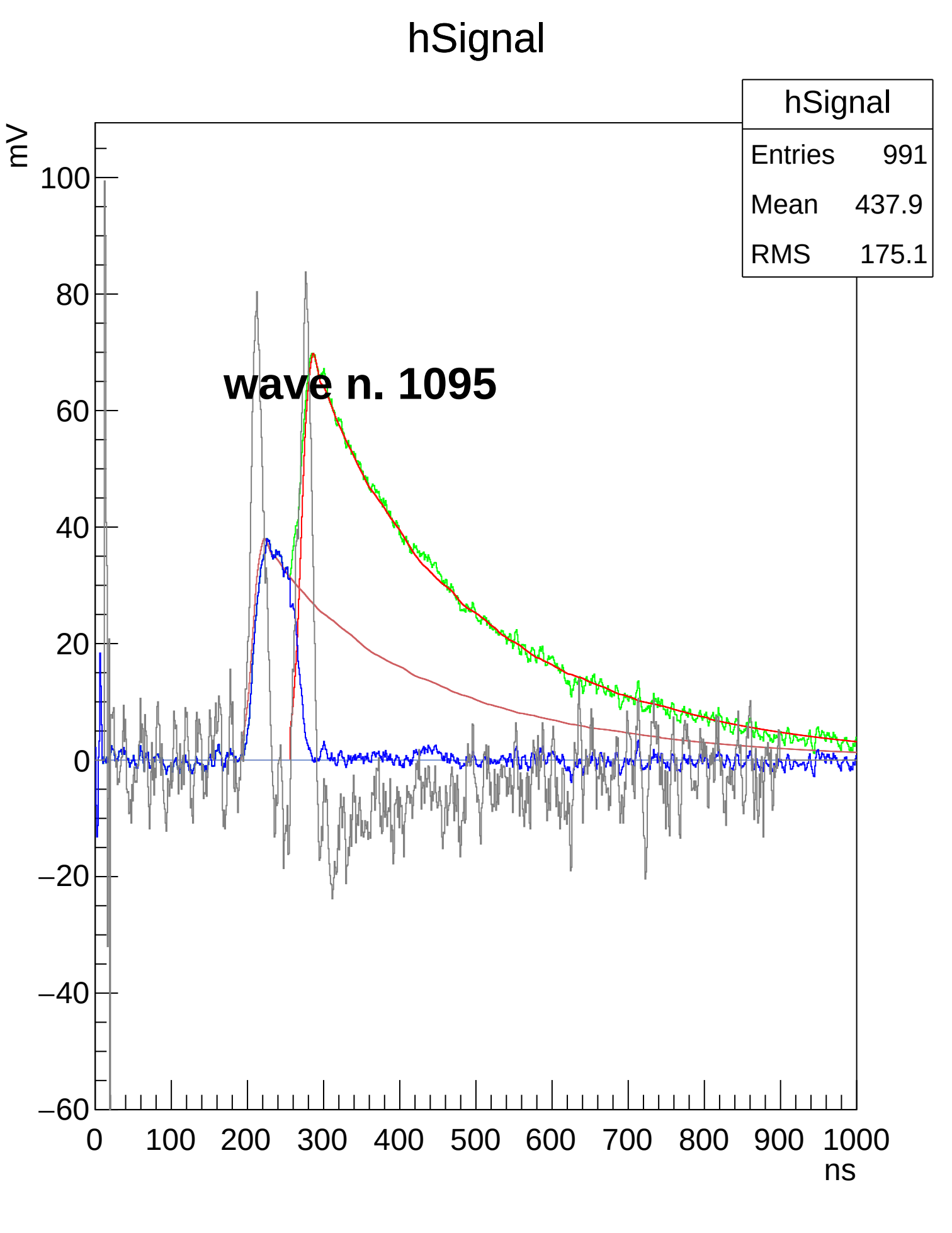

hSignal
hSignal
Entries 991
Mean 573.9
RMS 158.4
wave n. 1090
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

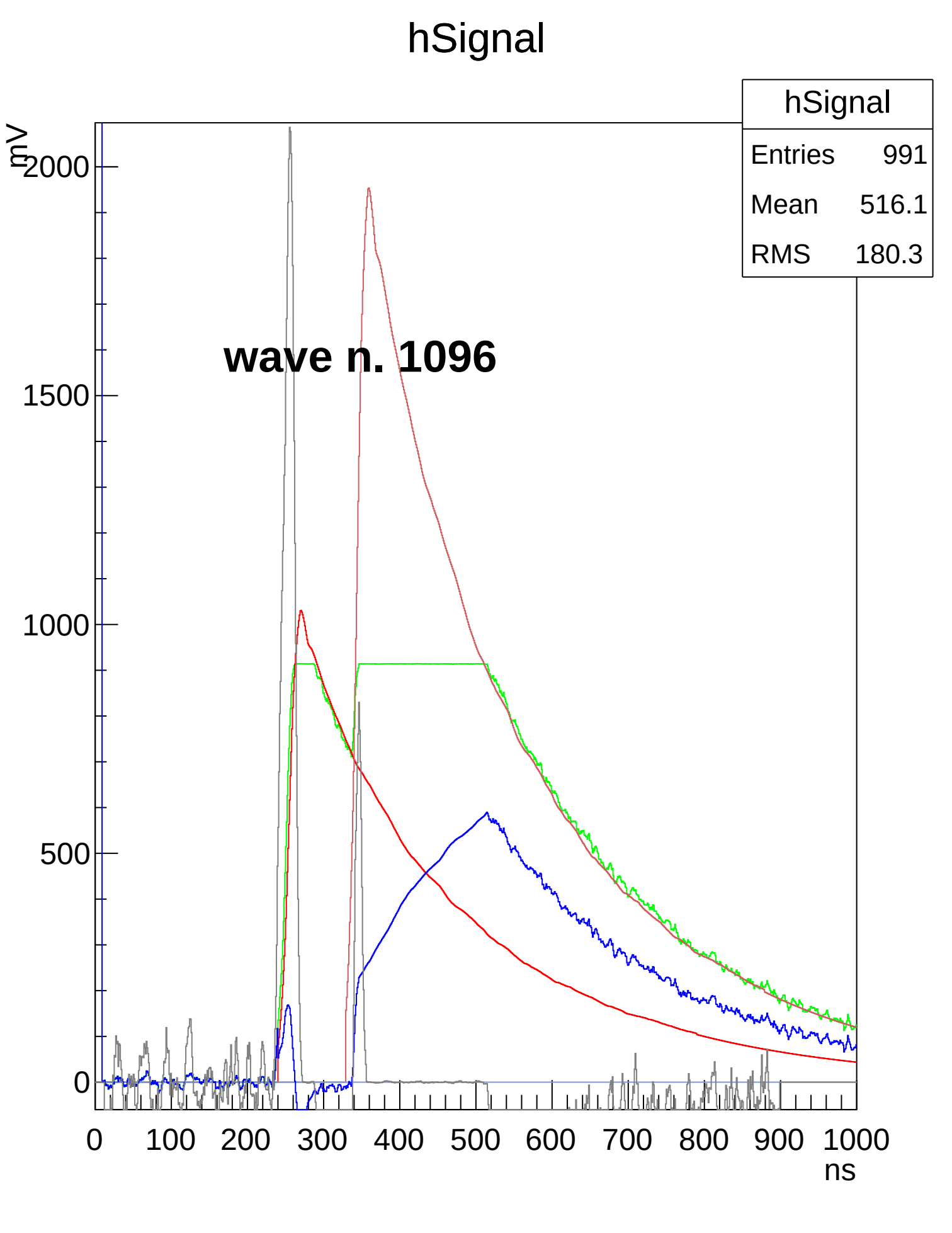

hSignal
hSignal
Entries 991
Mean 571.3
RMS 168.2
wave n. 1091
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

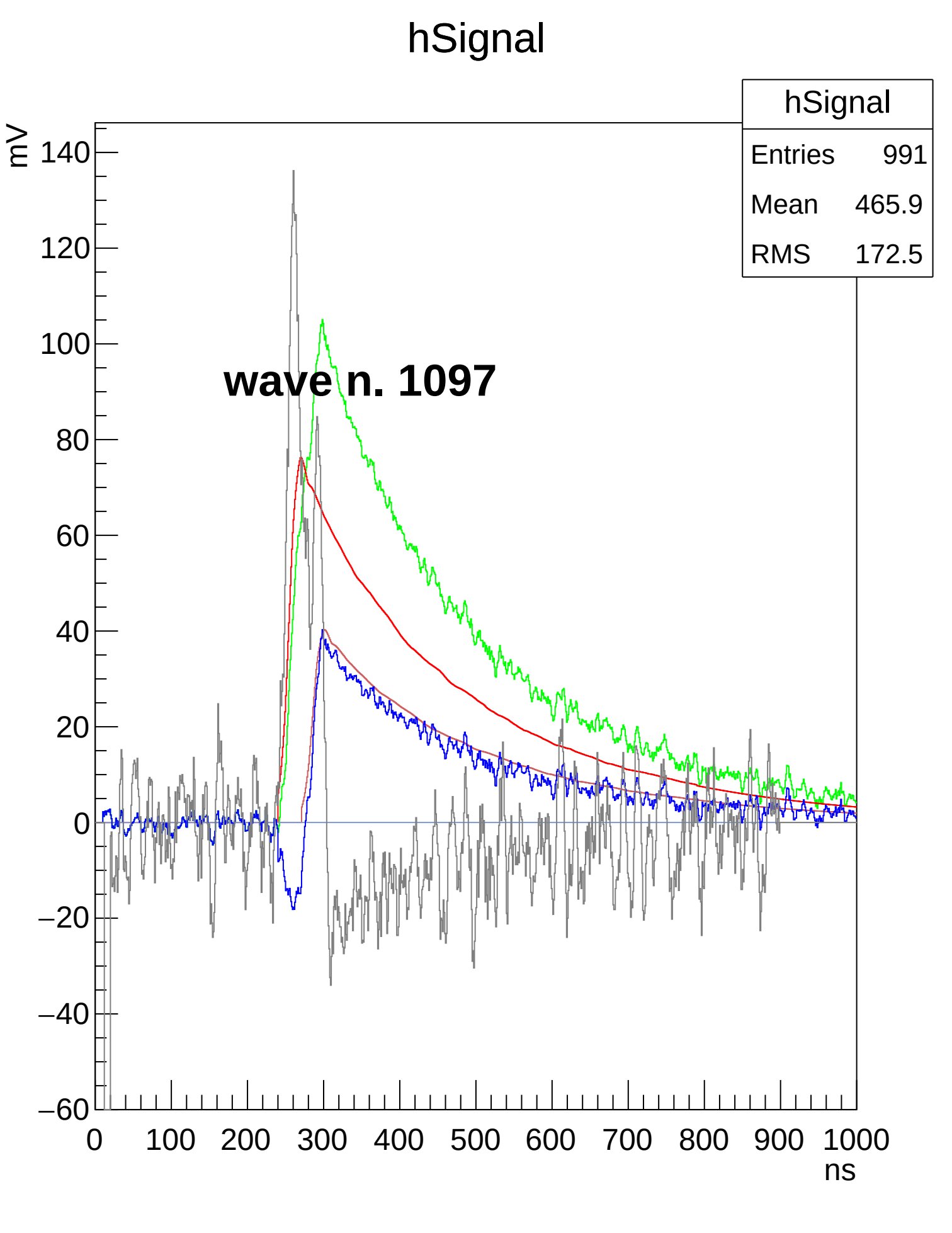

hSignal
hSignal
Entries 991
Mean 426.7
RMS 179.1
wave n. 1092
mV
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

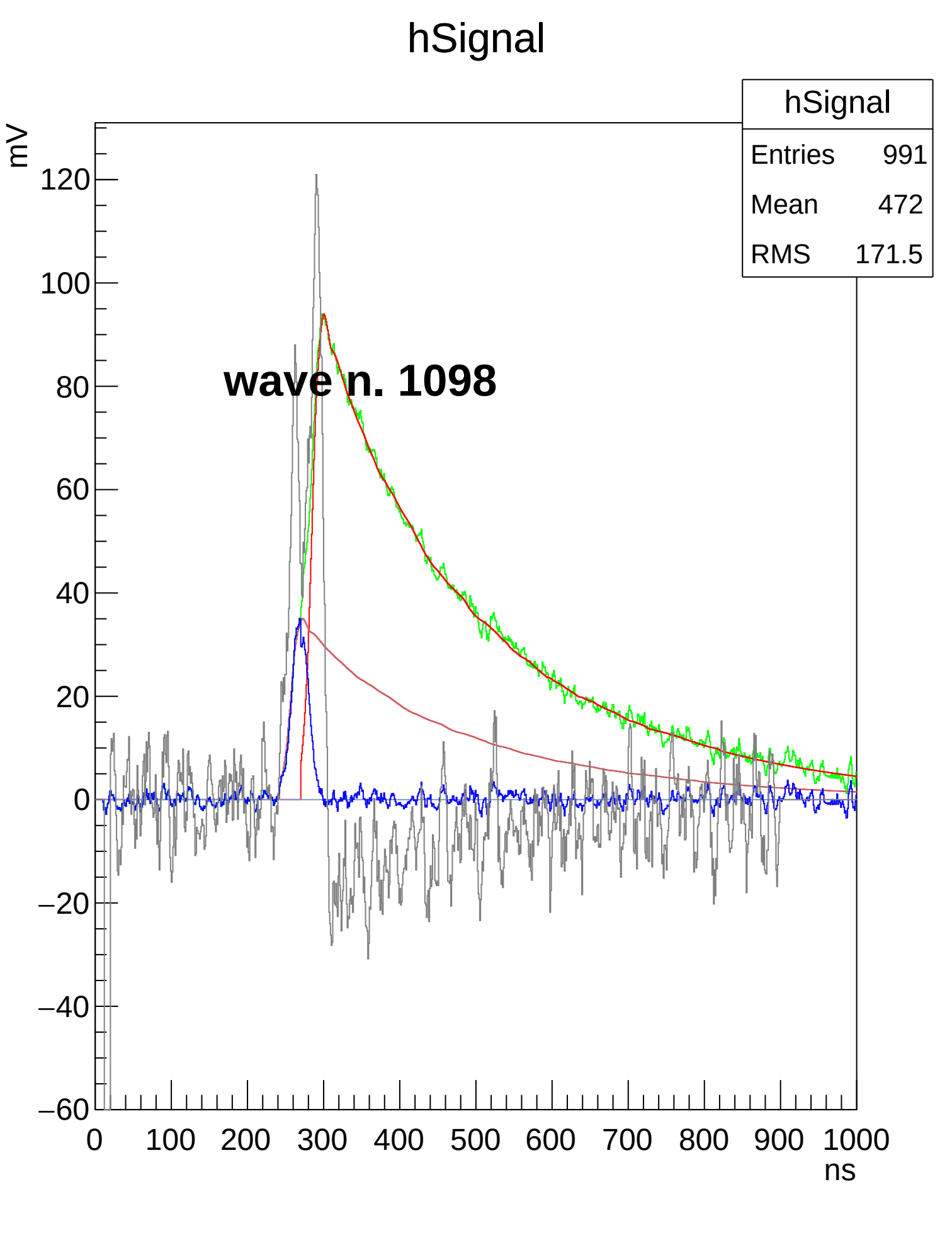

hSignal
hSignal
Entries 991
Mean 458.1
RMS 180.1
wave n. 1093
mV
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

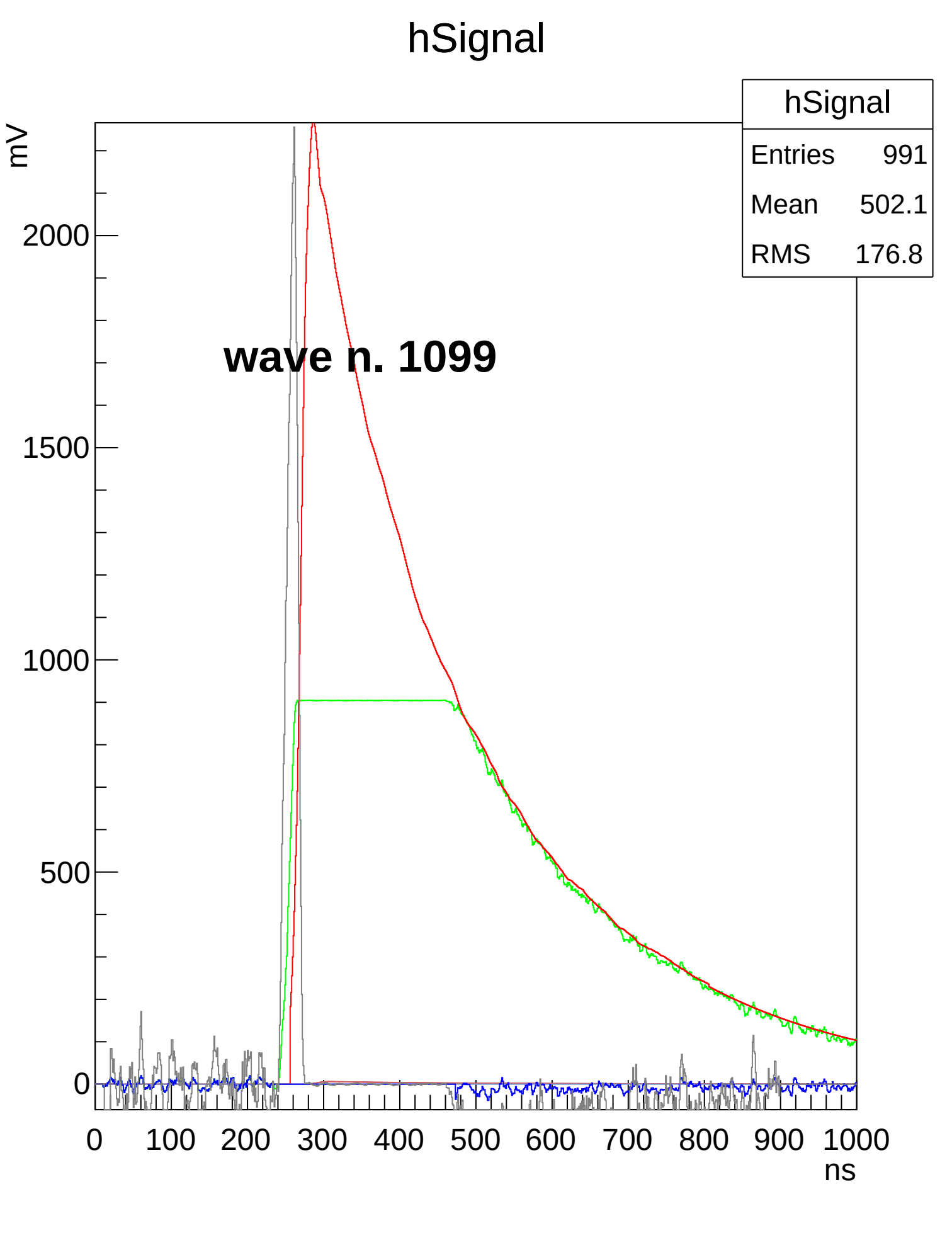

hSignal
hSignal
Entries 991
Mean 448.2
RMS 179.1
wave n. 1094
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

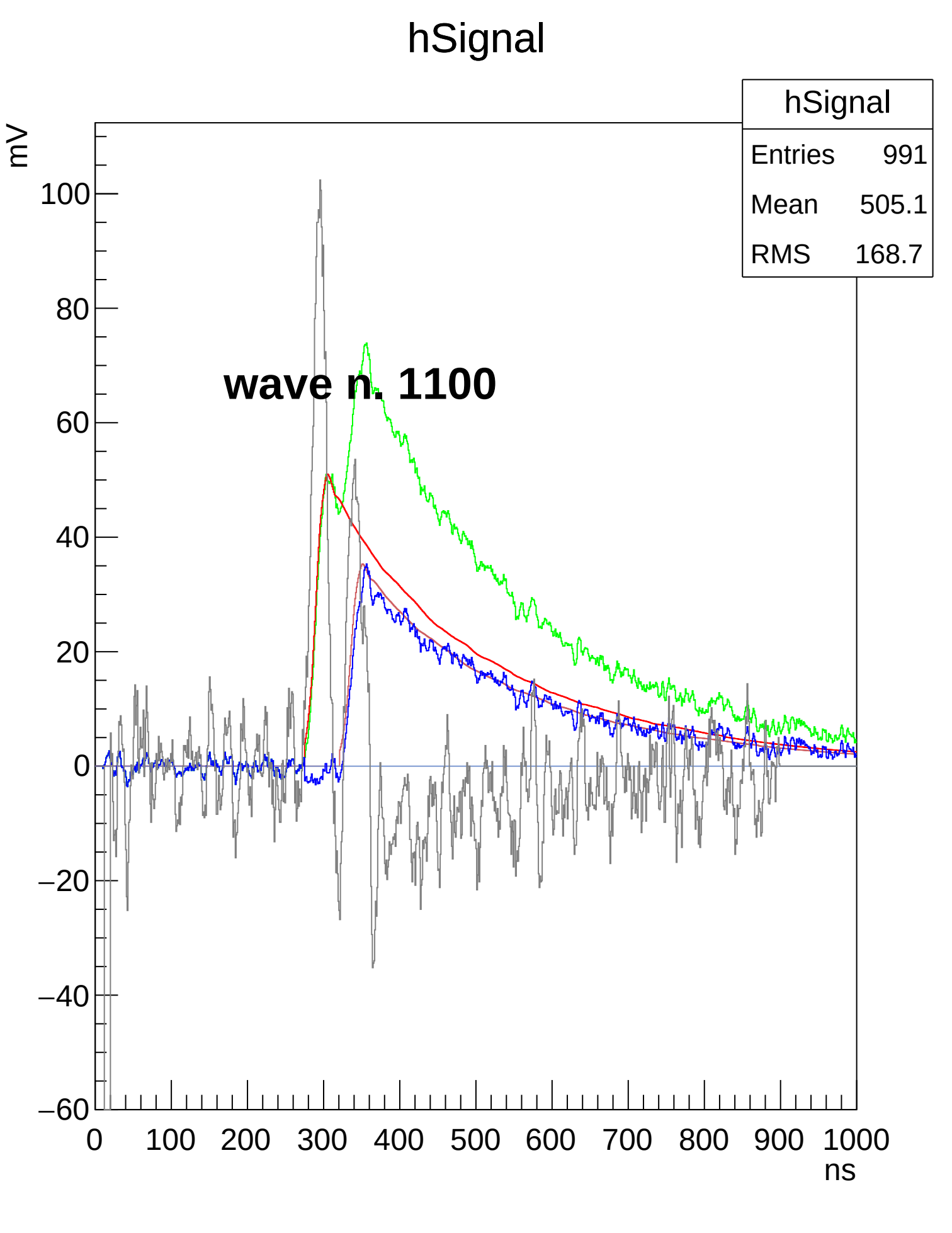

hSignal
hSignal
Entries 991
Mean 437.9
RMS 175.1
wave n. 1095
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

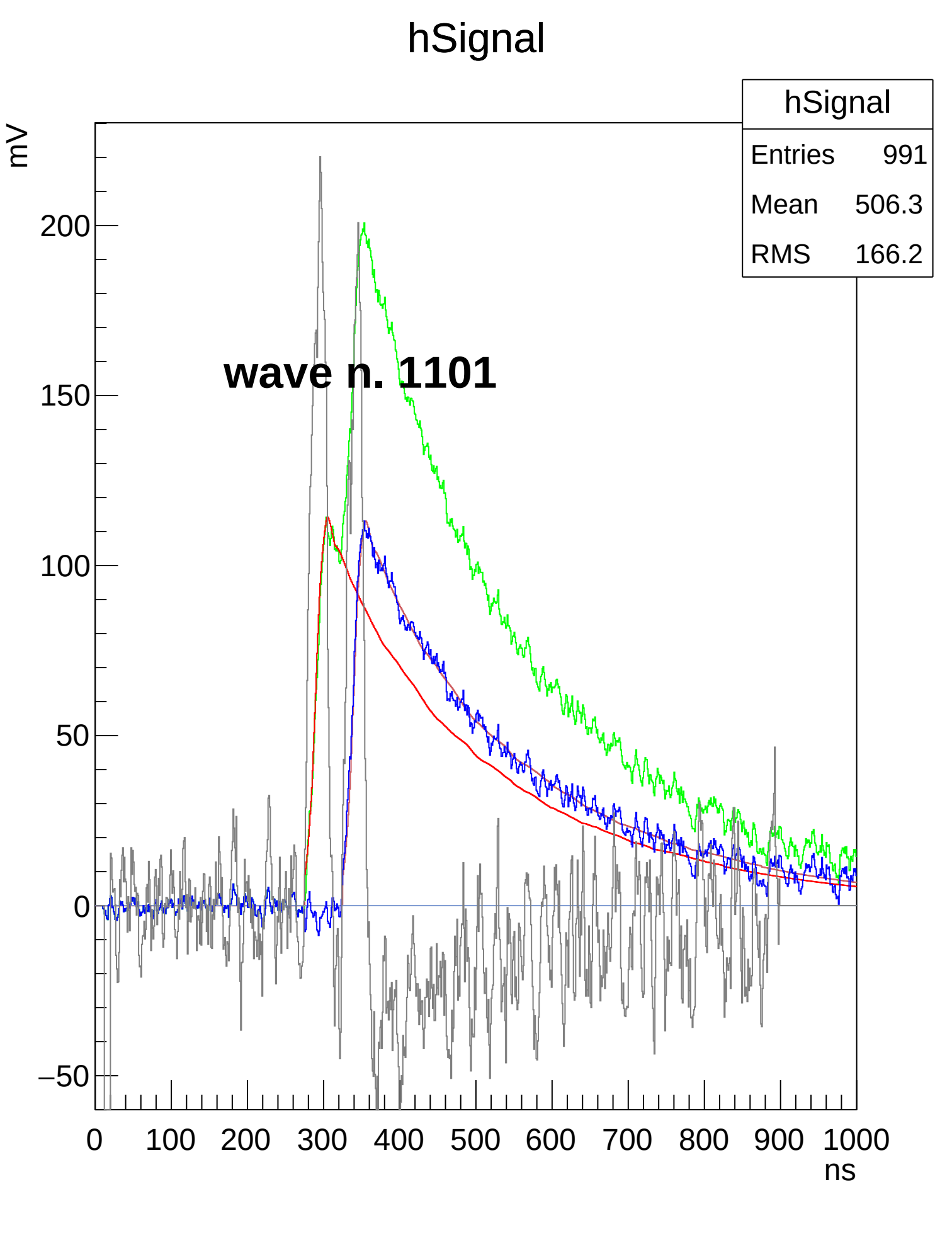

hSignal
hSignal
Entries 991
Mean 516.1
RMS 180.3
wave n. 1096
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

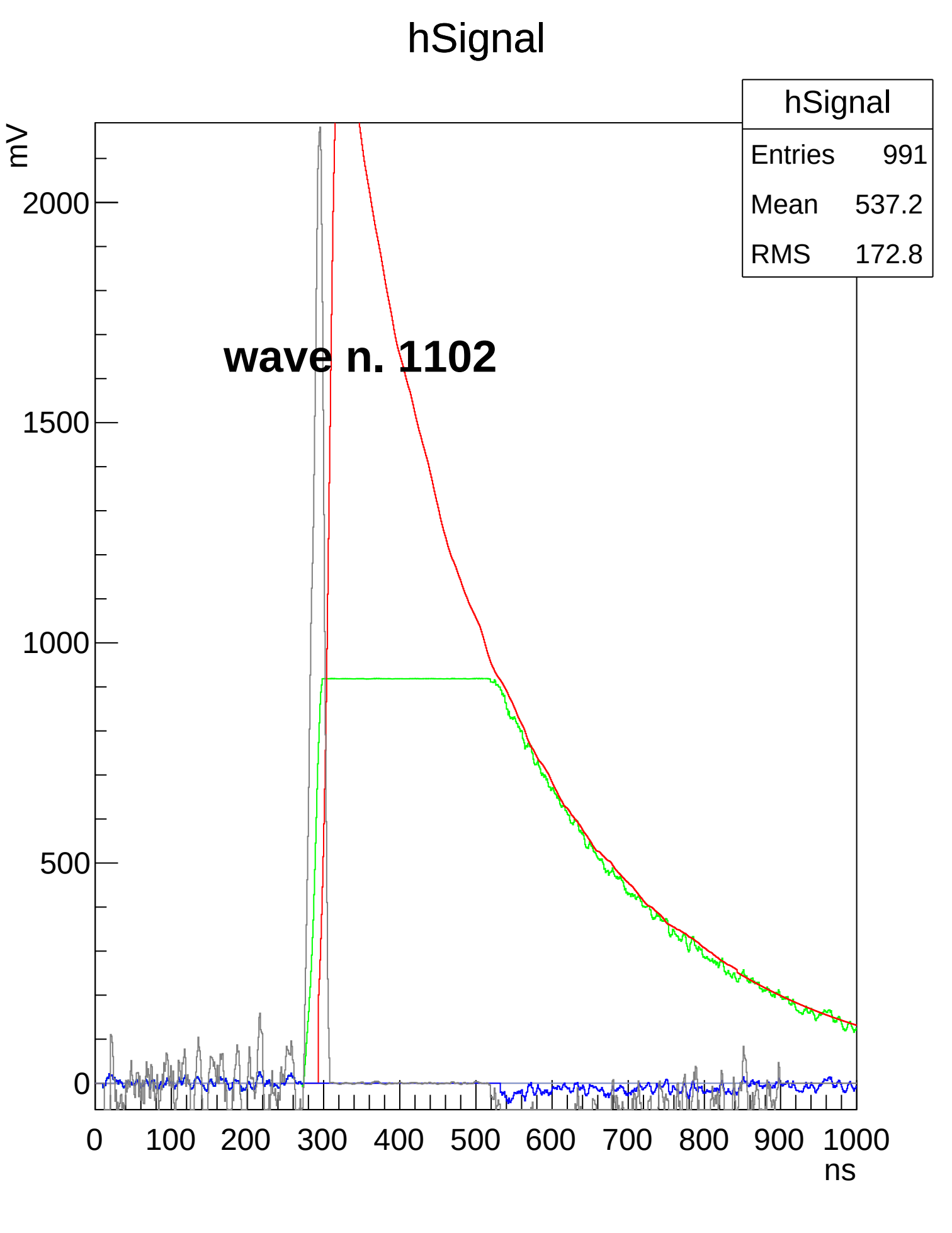

hSignal
hSignal
Entries 991
Mean 465.9
RMS 172.5
wave n. 1097
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

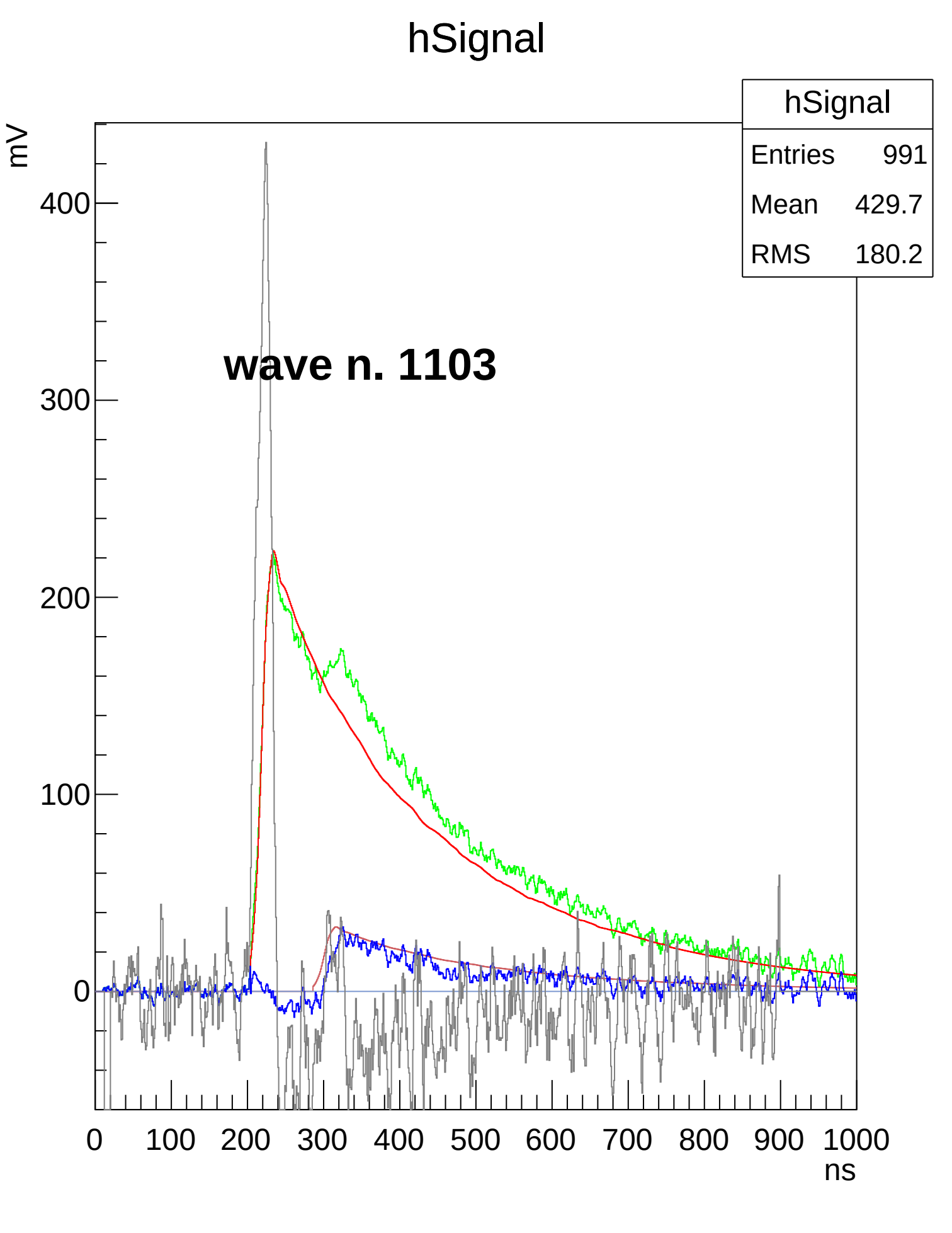

hSignal
hSignal
Entries 991
Mean 472
RMS 171.5
wave n. 1098
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

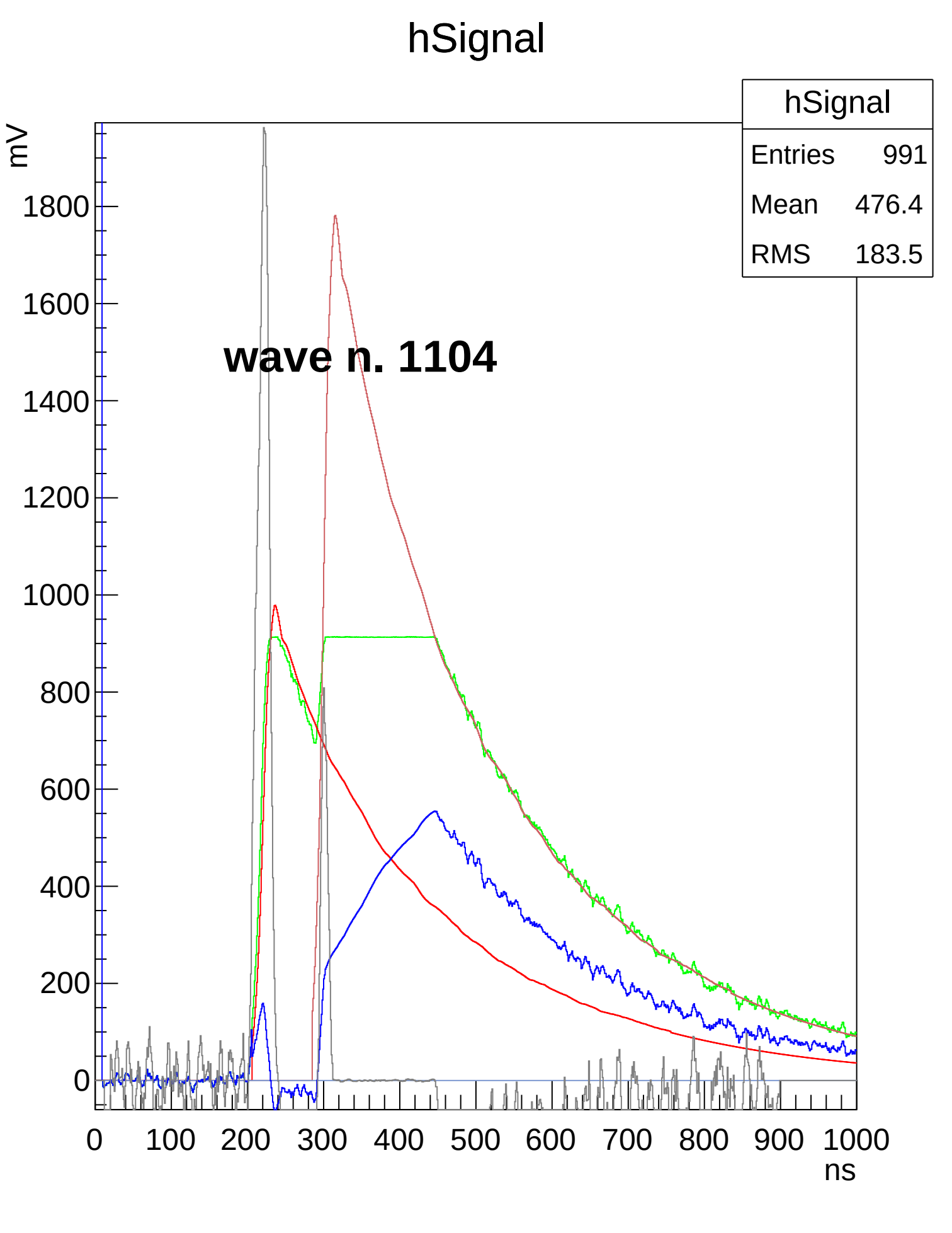

hSignal
hSignal
Entries 991
Mean 502.1
RMS 176.8
wave n. 1099
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

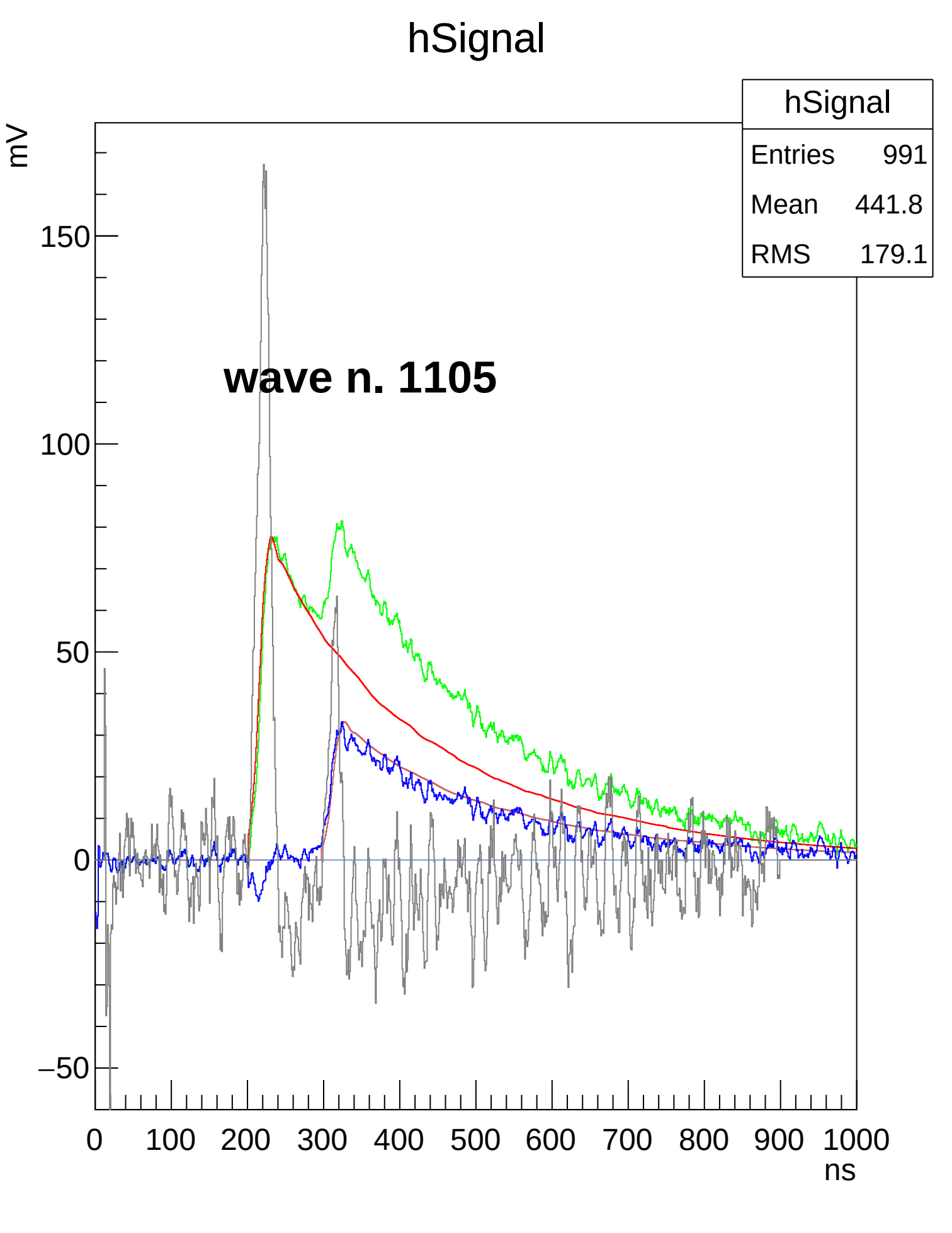

hSignal
hSignal
Entries 991
Mean 505.1
RMS 168.7
wave n. 1100
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

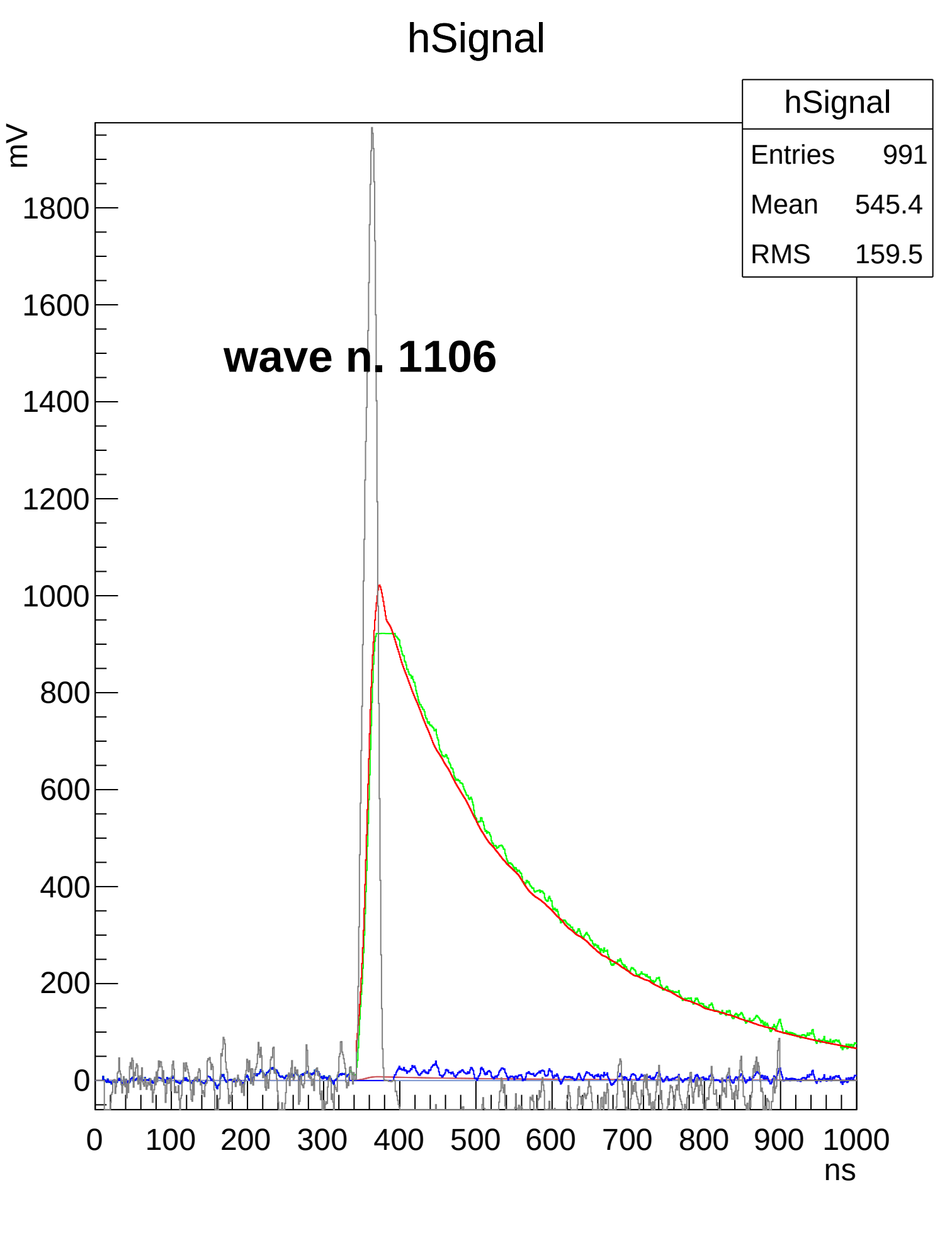

hSignal
hSignal
Entries 991
Mean 506.3
RMS 166.2
wave n. 1101
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

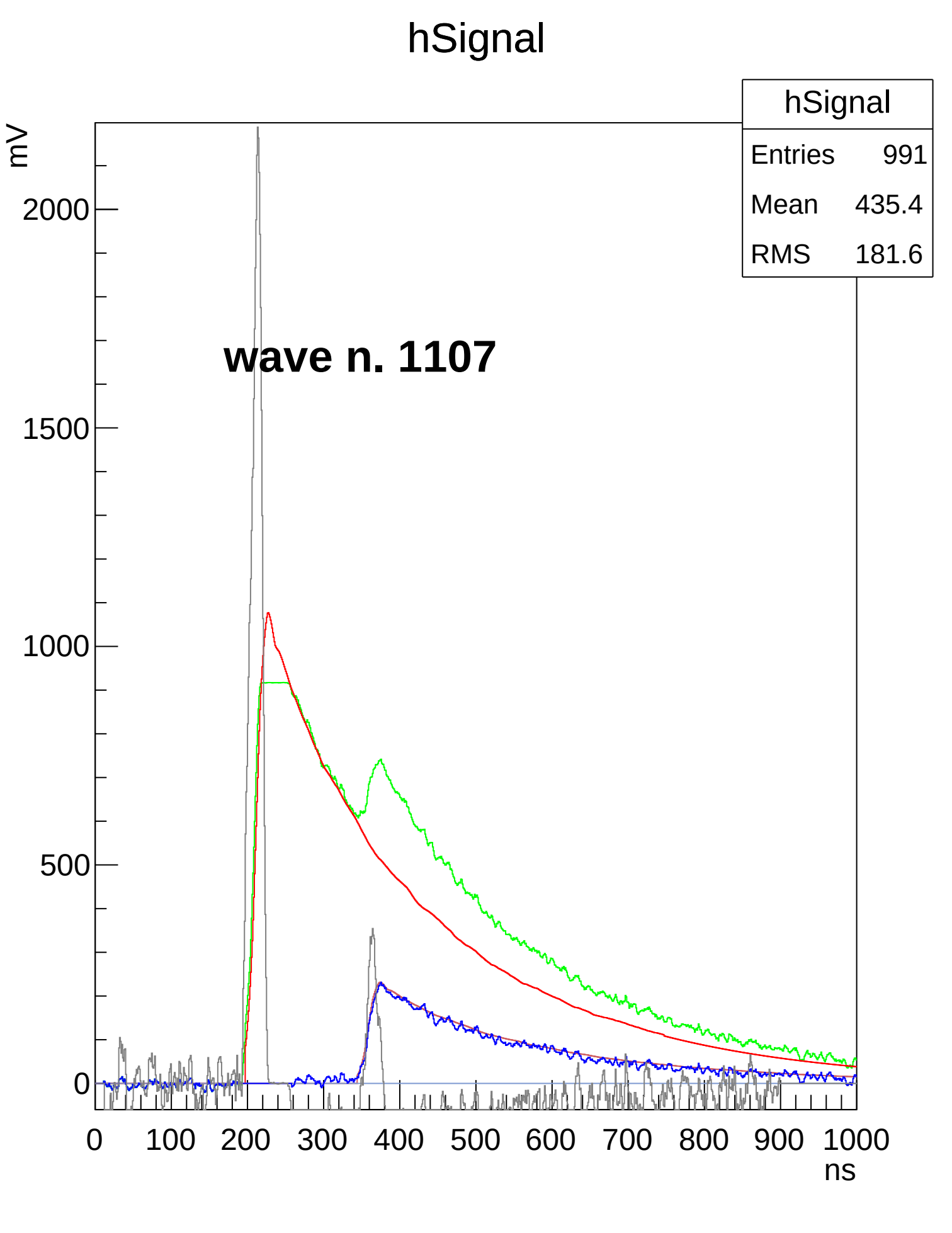

hSignal
hSignal
Entries 991
Mean 537.2
RMS 172.8
wave n. 1102
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

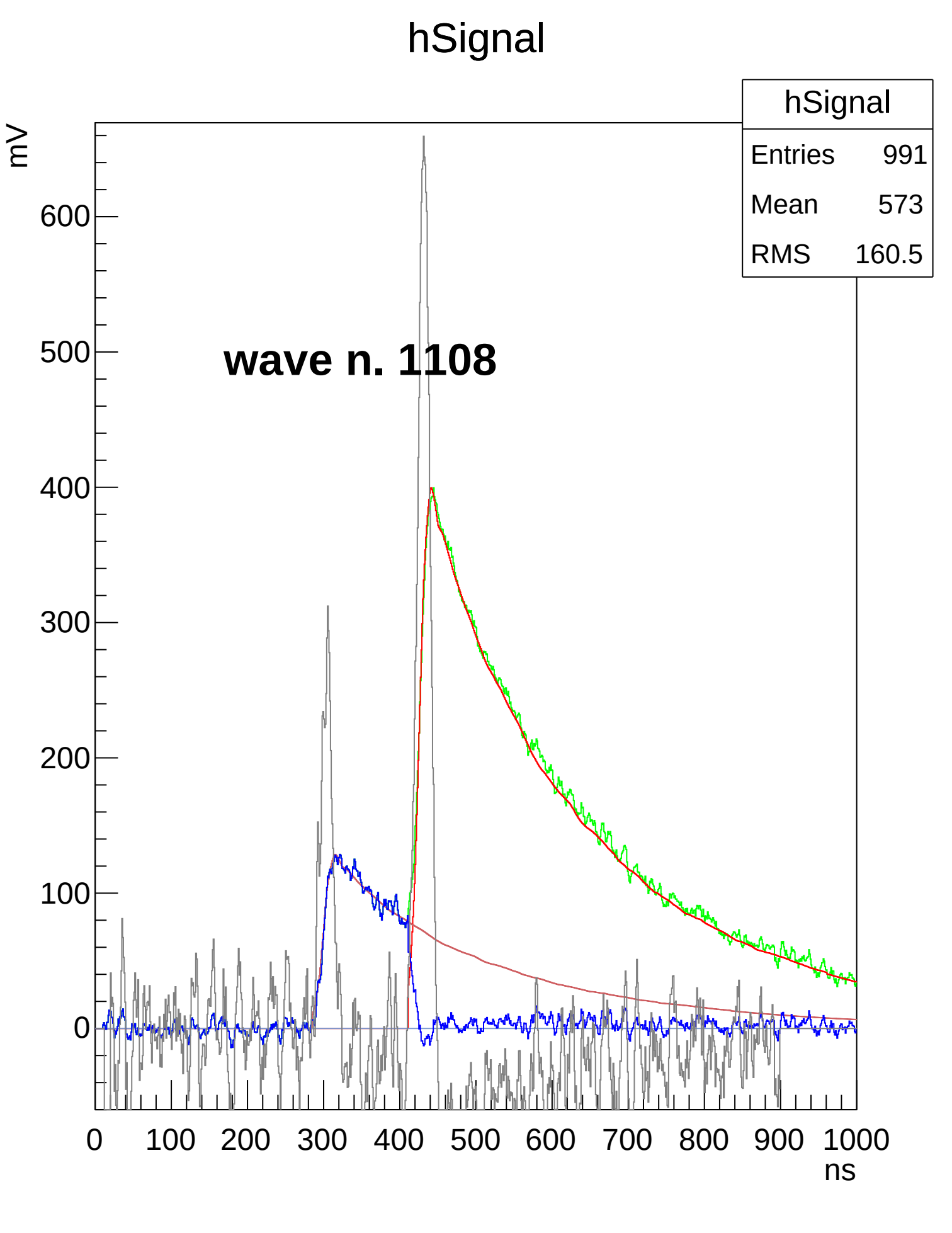

hSignal
hSignal
Entries 991
Mean 429.7
RMS 180.2
wave n. 1103
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

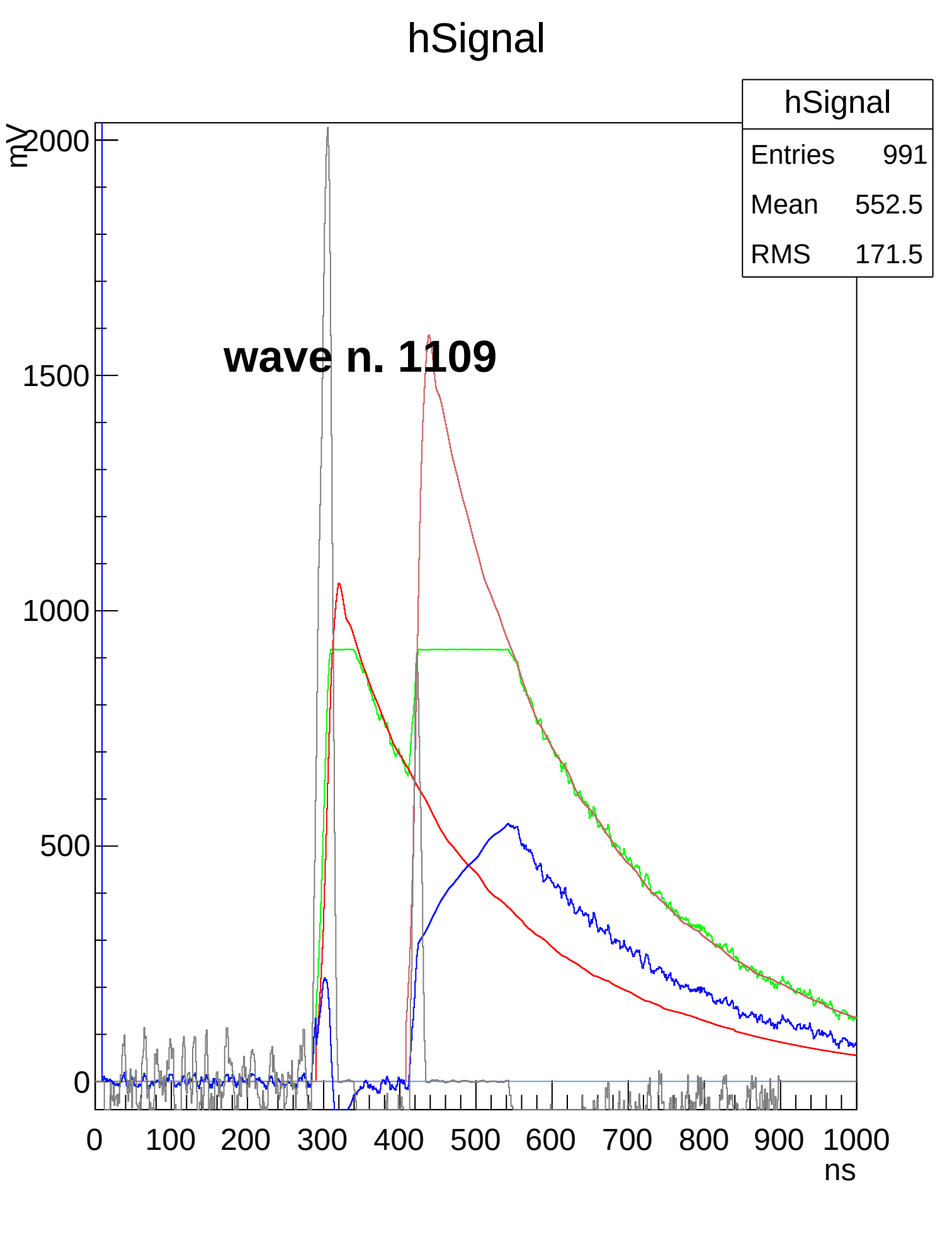

hSignal
hSignal
Entries 991
Mean 476.4
RMS 183.5
wave n. 1104
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

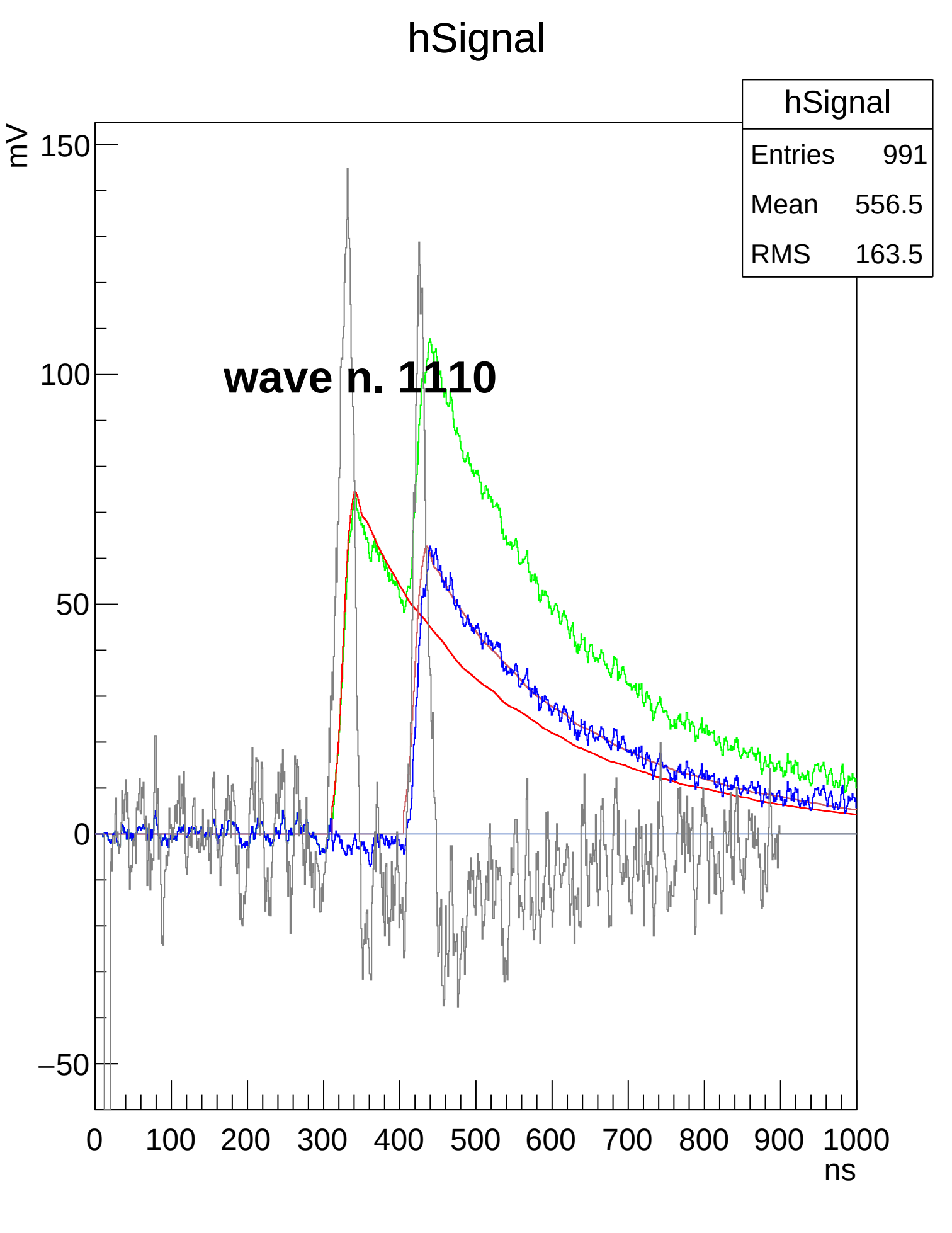

hSignal
hSignal
Entries 991
Mean 441.8
RMS 179.1
wave n. 1105
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

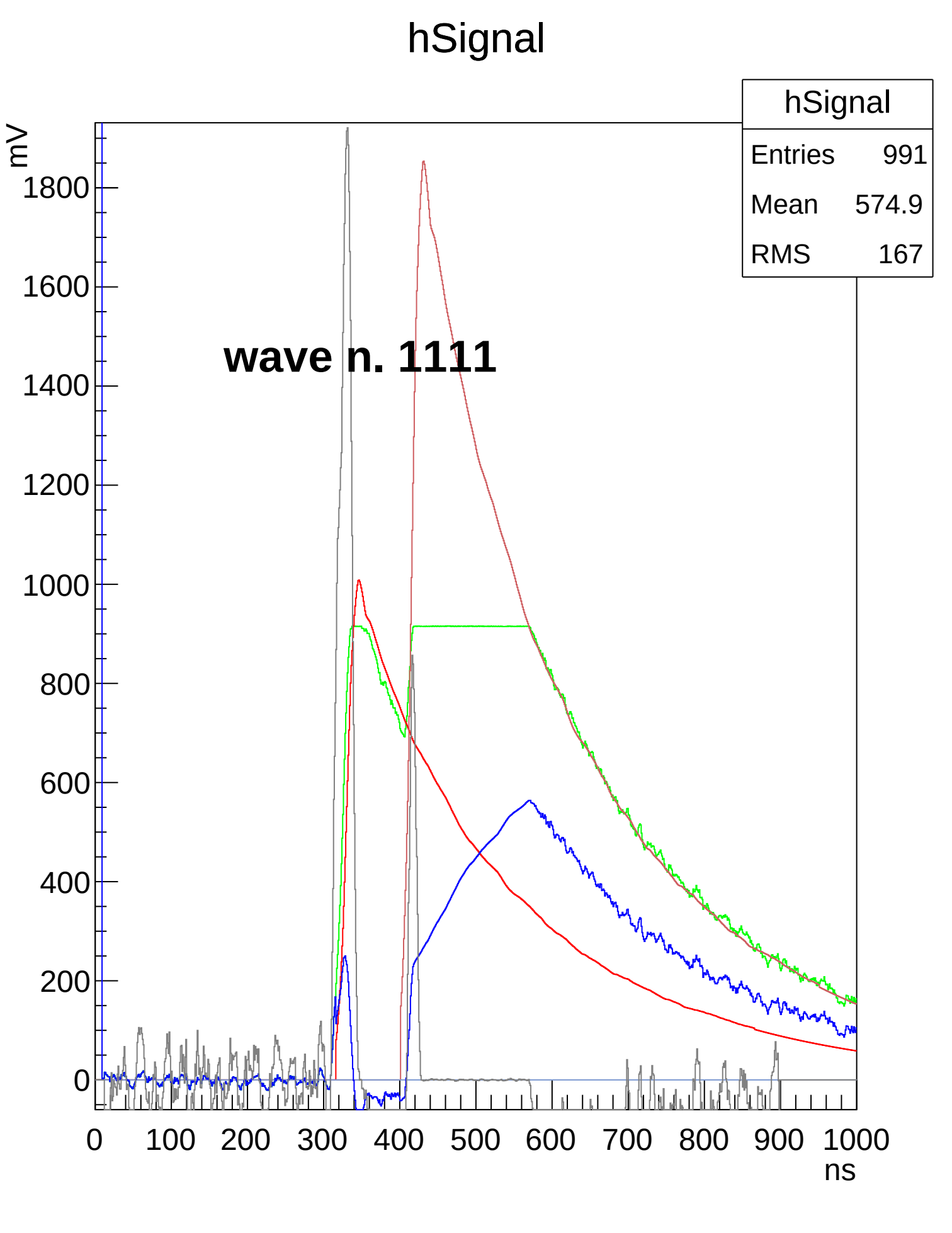

hSignal
hSignal
Entries 991
Mean 545.4
RMS 159.5
wave n. 1106
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

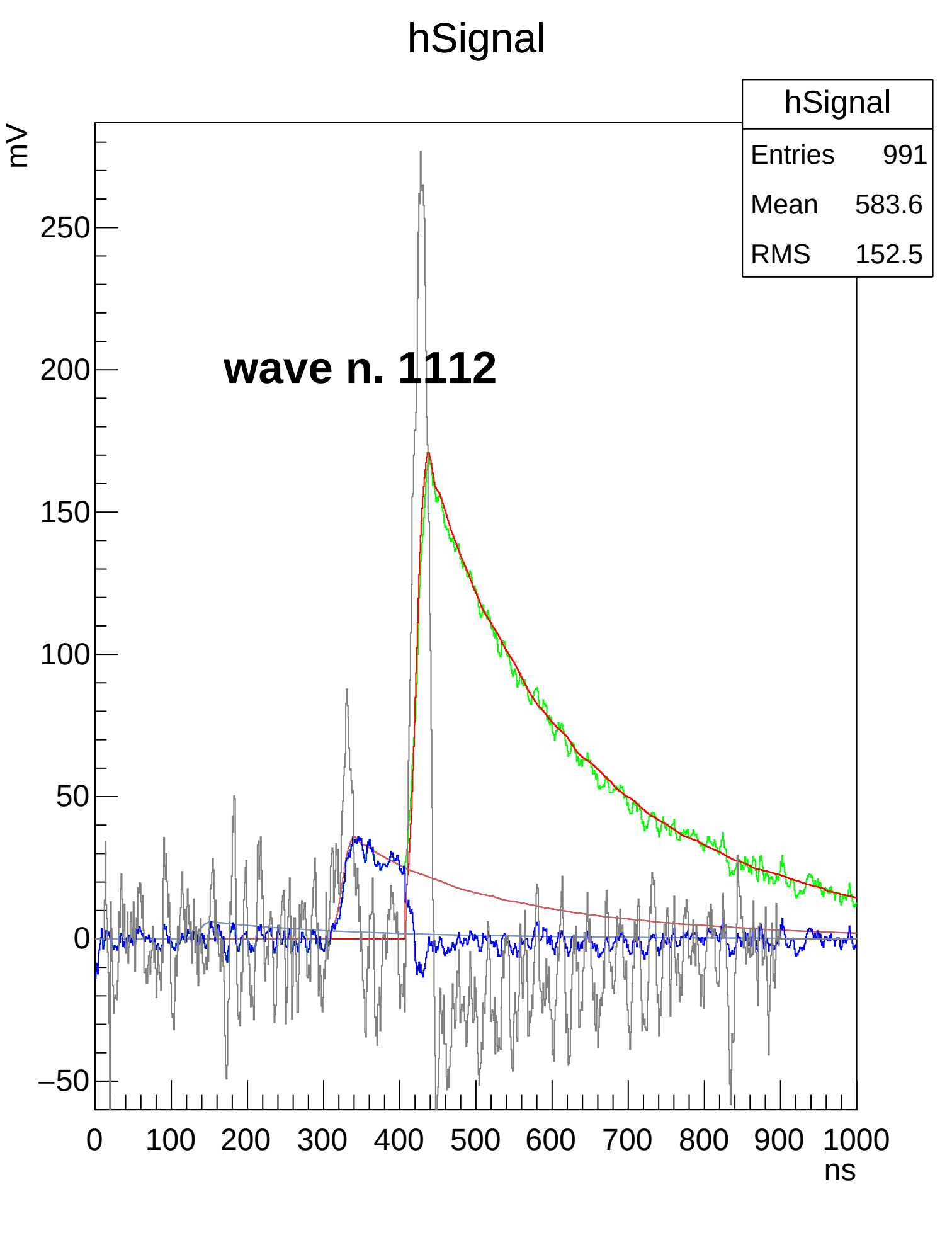

hSignal
hSignal
Entries 991
Mean 435.4
RMS 181.6
wave n. 1107
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

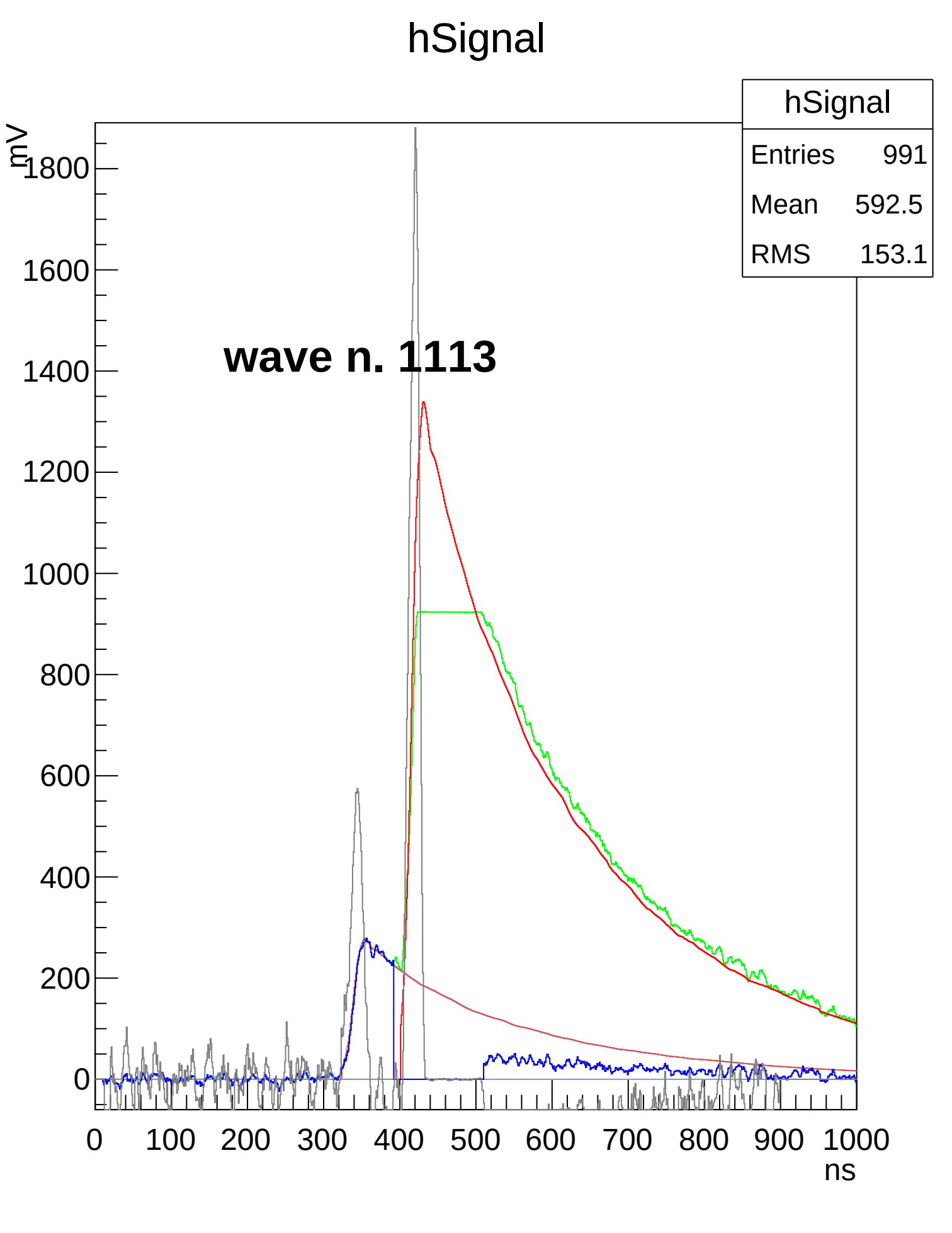

hSignal
hSignal
Entries 991
Mean 573
RMS 160.5
wave n. 1108
mV
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800 900 1000
ns

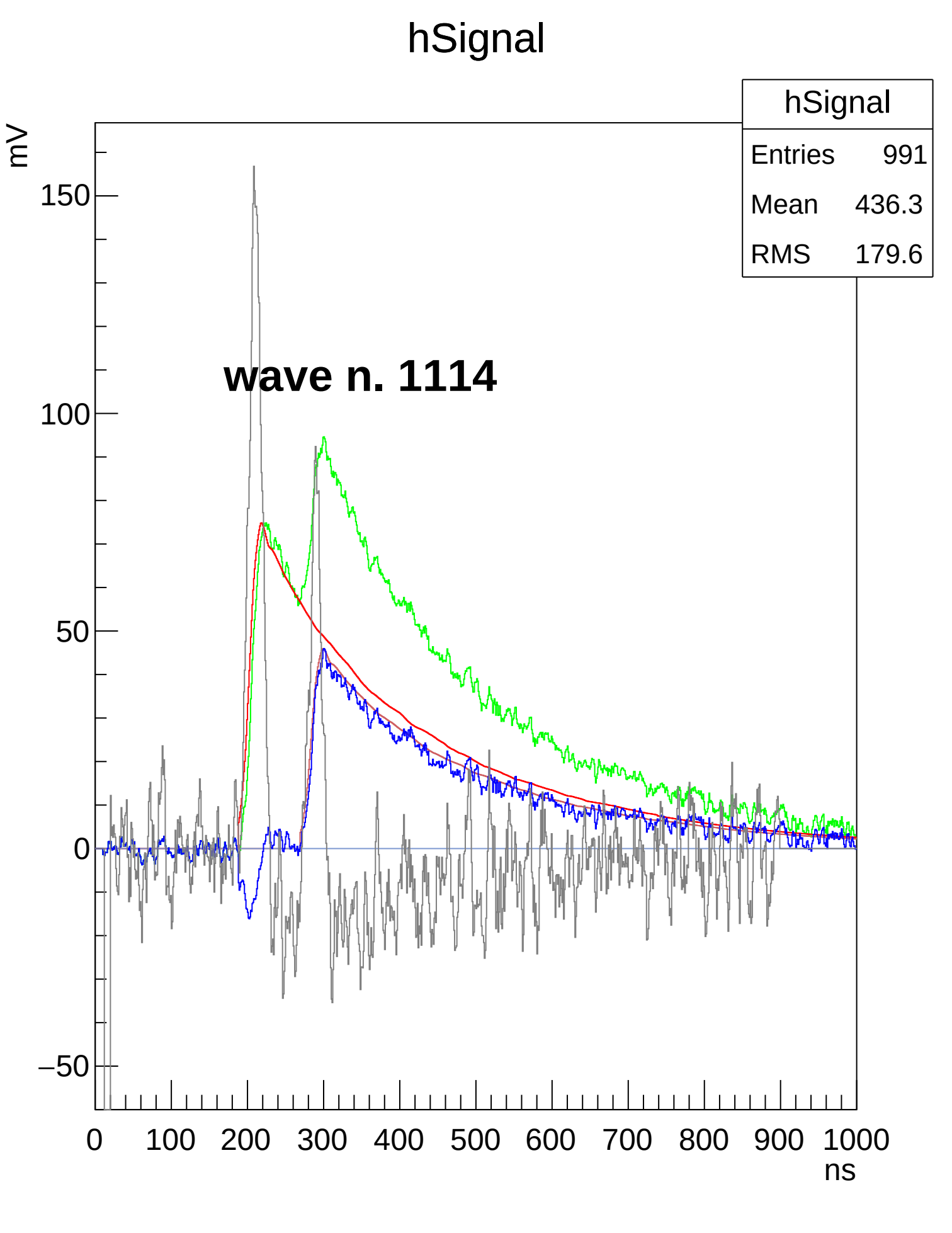

hSignal
hSignal
Entries 991
Mean 552.5
RMS 171.5
wave n. 1109
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

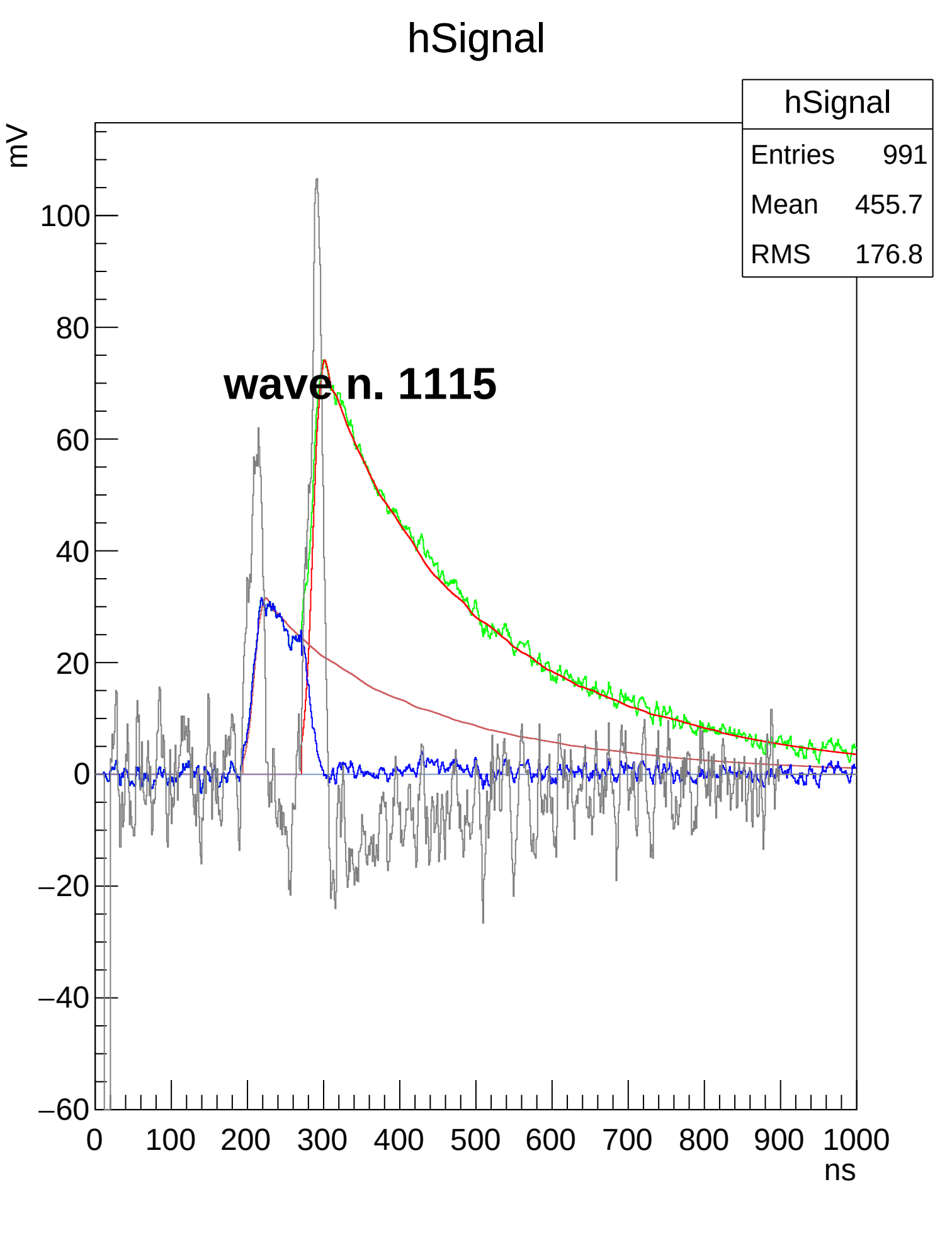

hSignal
hSignal
Entries 991
Mean 556.5
RMS 163.5
wave n. 1110
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

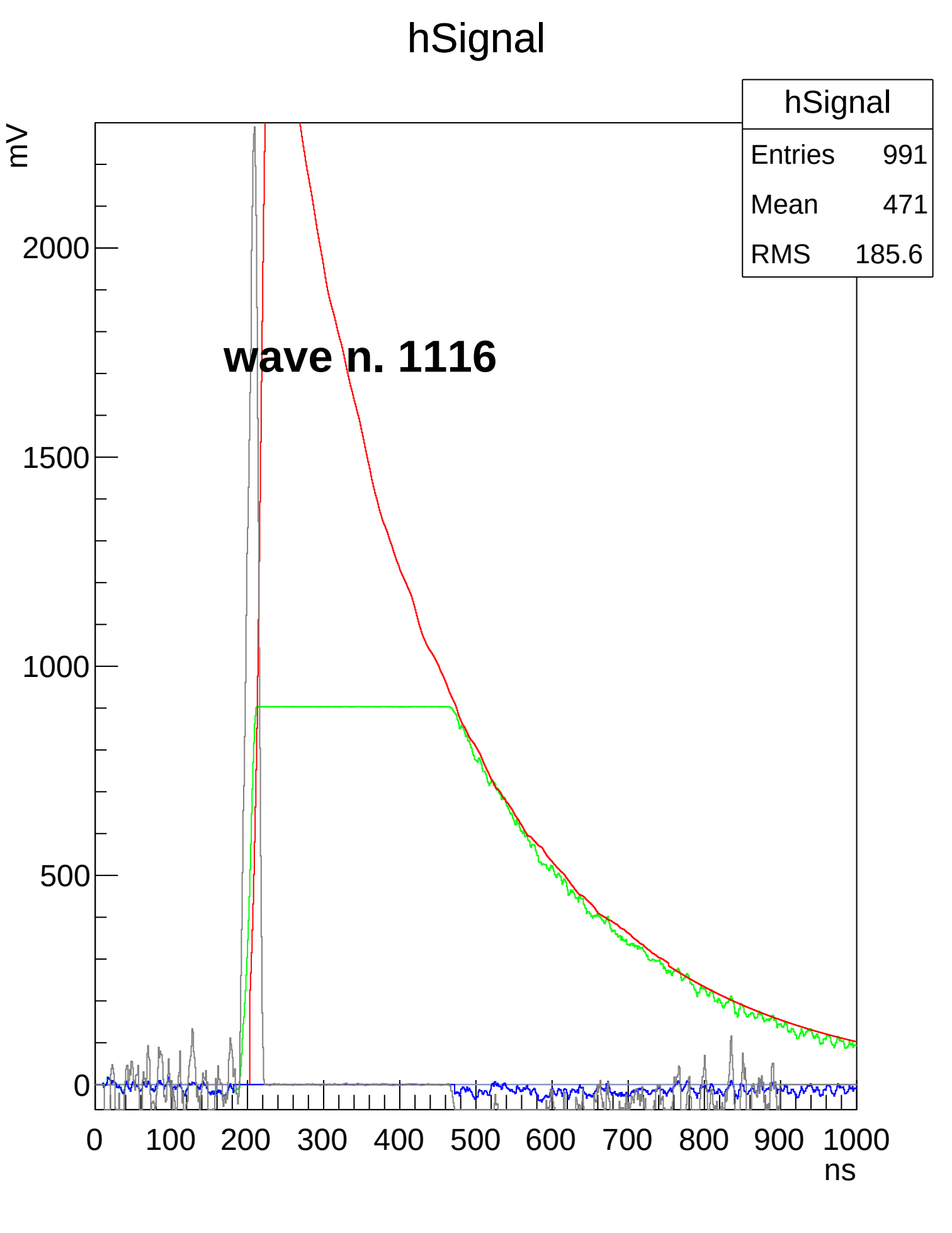

hSignal
hSignal
Entries 991
Mean 574.9
RMS 167
wave n. 1111
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

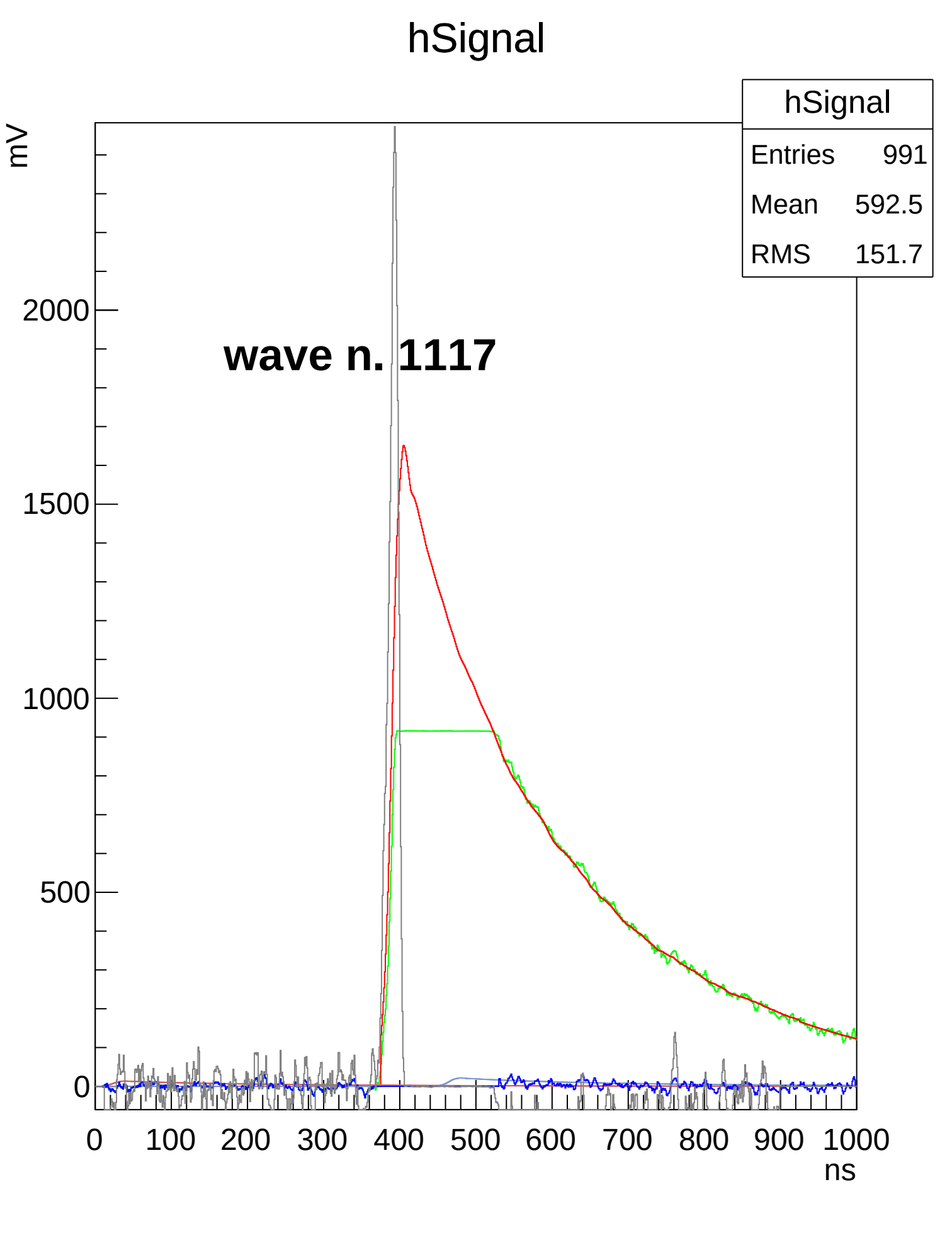

hSignal
hSignal
Entries 991
Mean 583.6
RMS 152.5
wave n. 1112
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

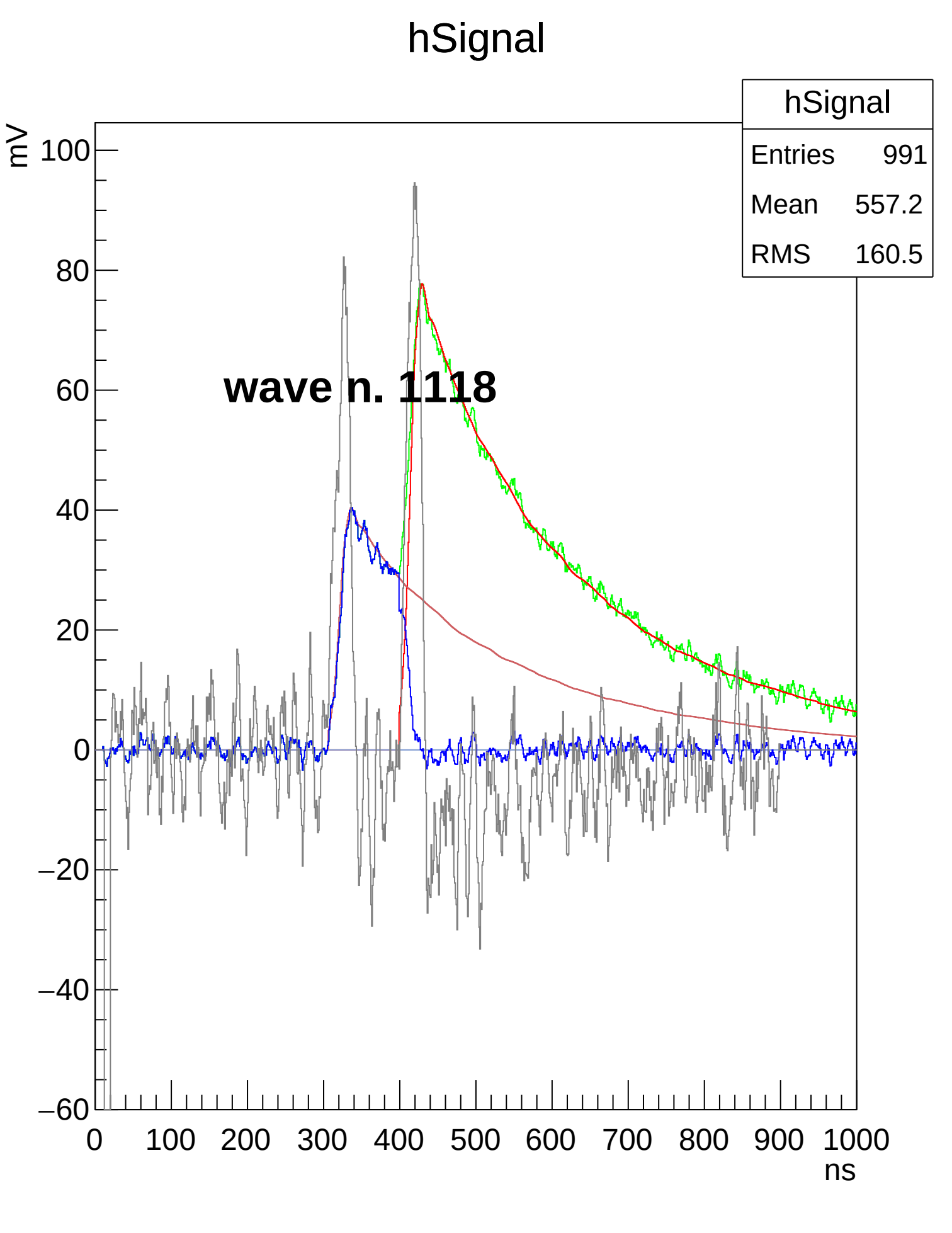

hSignal
hSignal
Entries 991
Mean 592.5
RMS 153.1
wave n. 1113
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

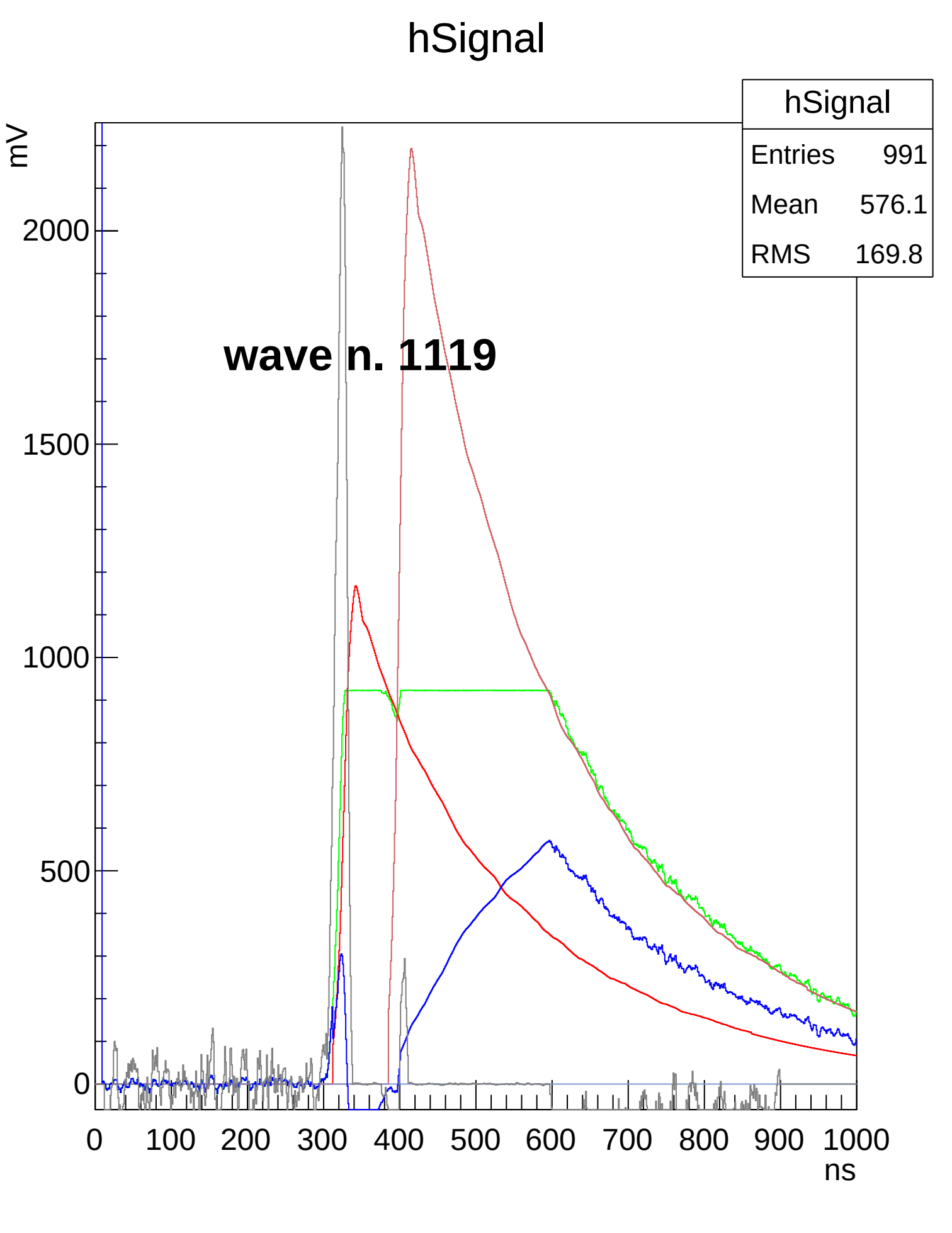

hSignal
hSignal
Entries 991
Mean 436.3
RMS 179.6
wave n. 1114
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

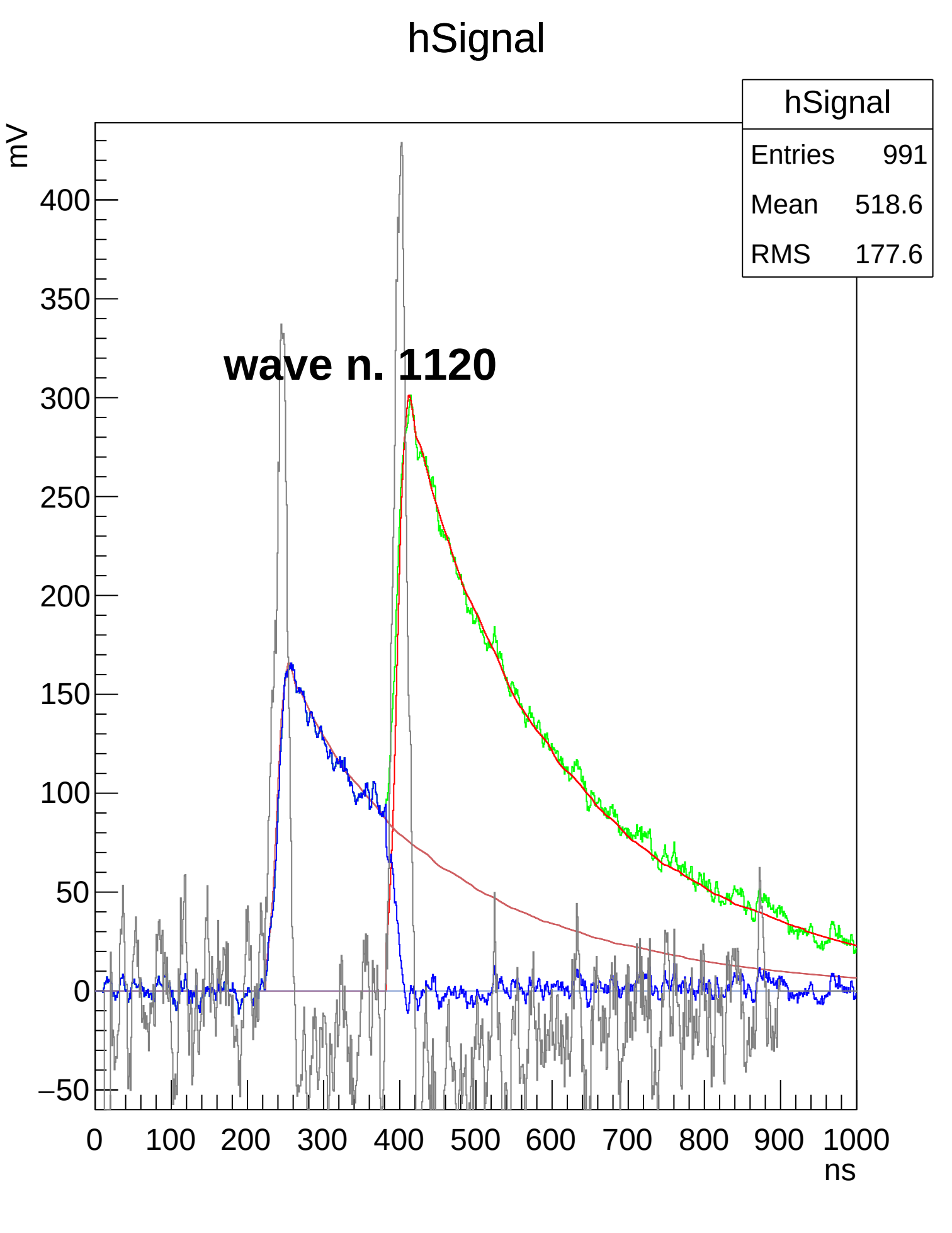

hSignal
hSignal
Entries 991
Mean 455.7
RMS 176.8
wave n. 1115
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

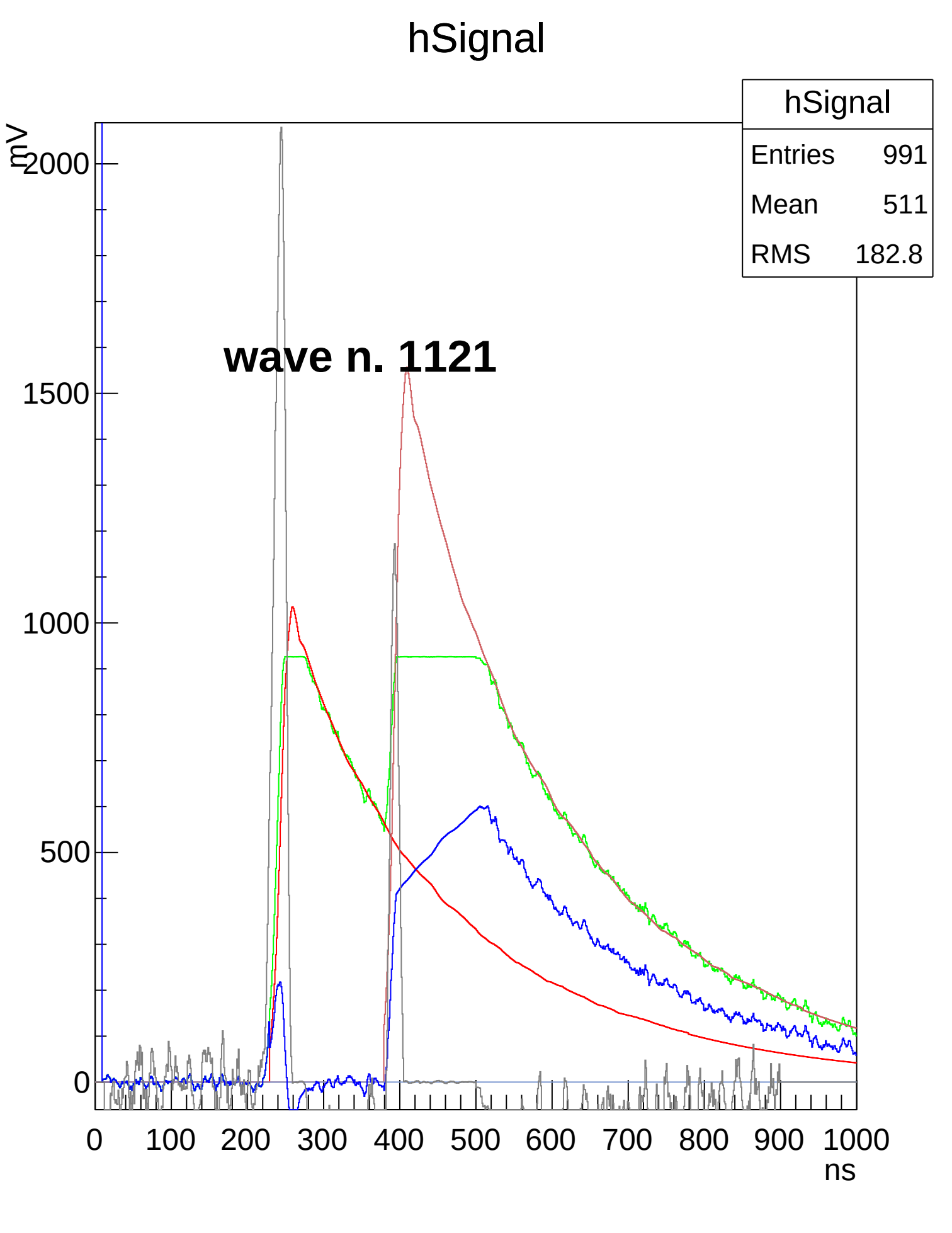

hSignal
hSignal
Entries 991
Mean 471
RMS 185.6
wave n. 1116
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

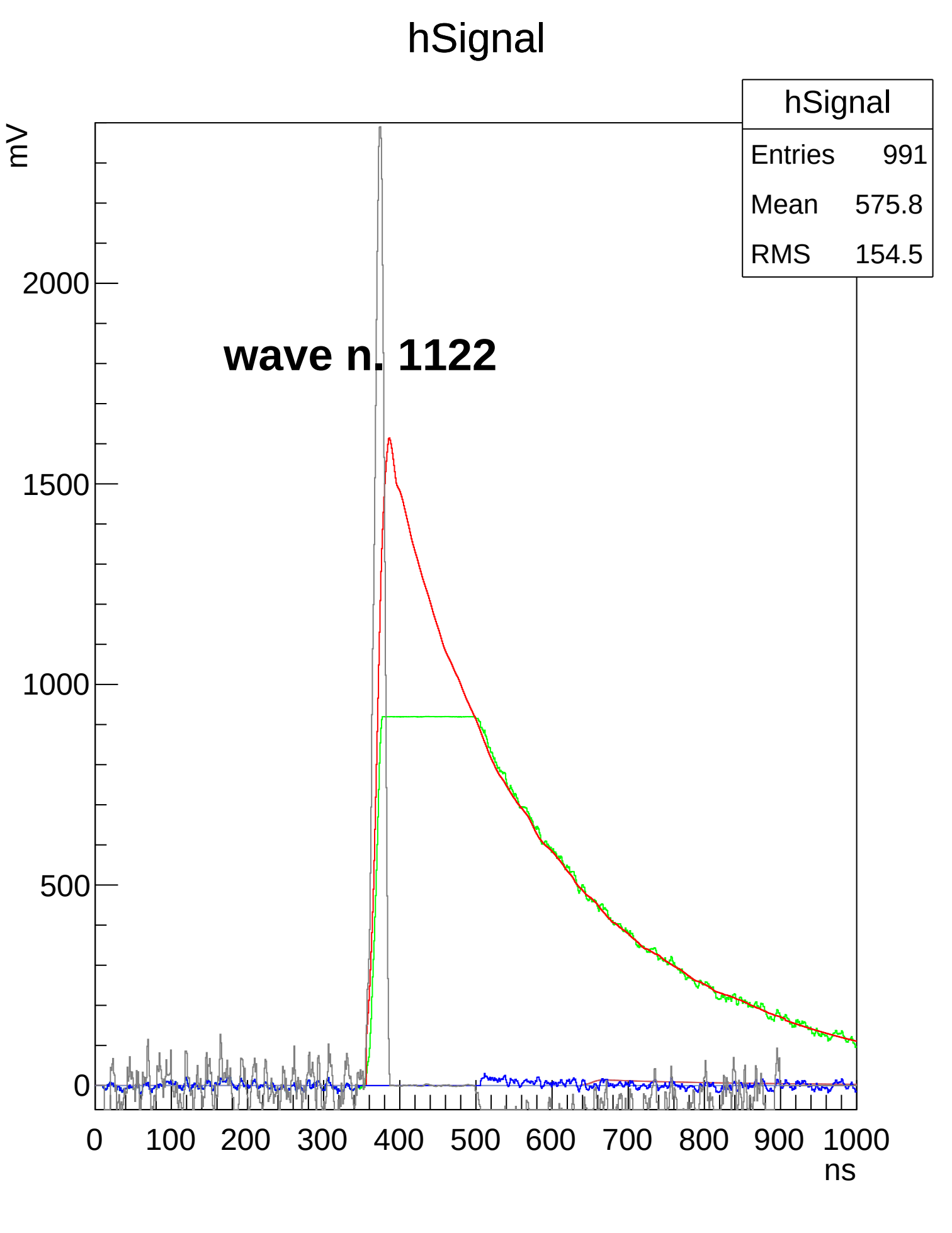

hSignal
hSignal
Entries 991
Mean 592.5
RMS 151.7
wave n. 1117
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

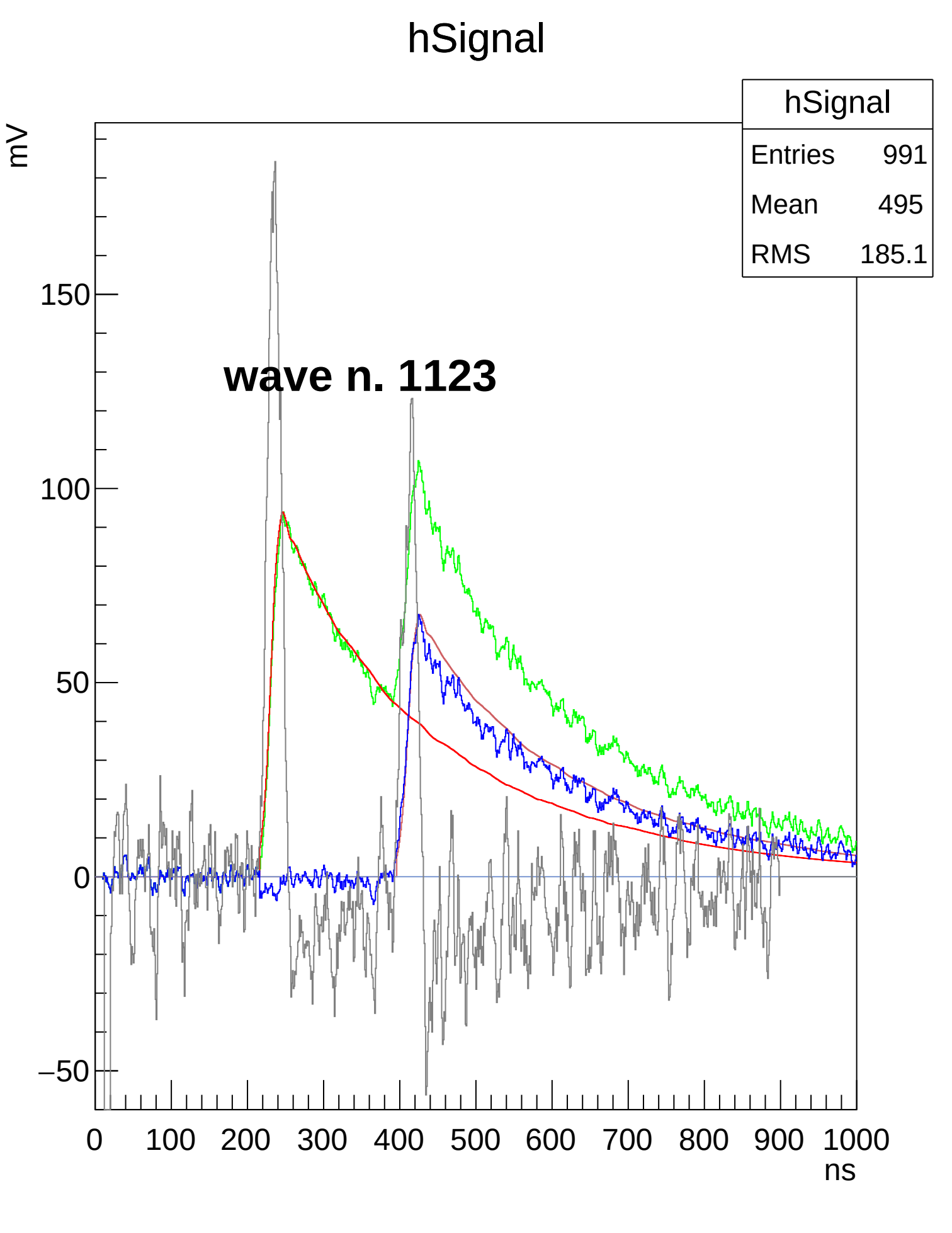

hSignal
hSignal
Entries 991
Mean 557.2
RMS 160.5
wave n. 1118
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

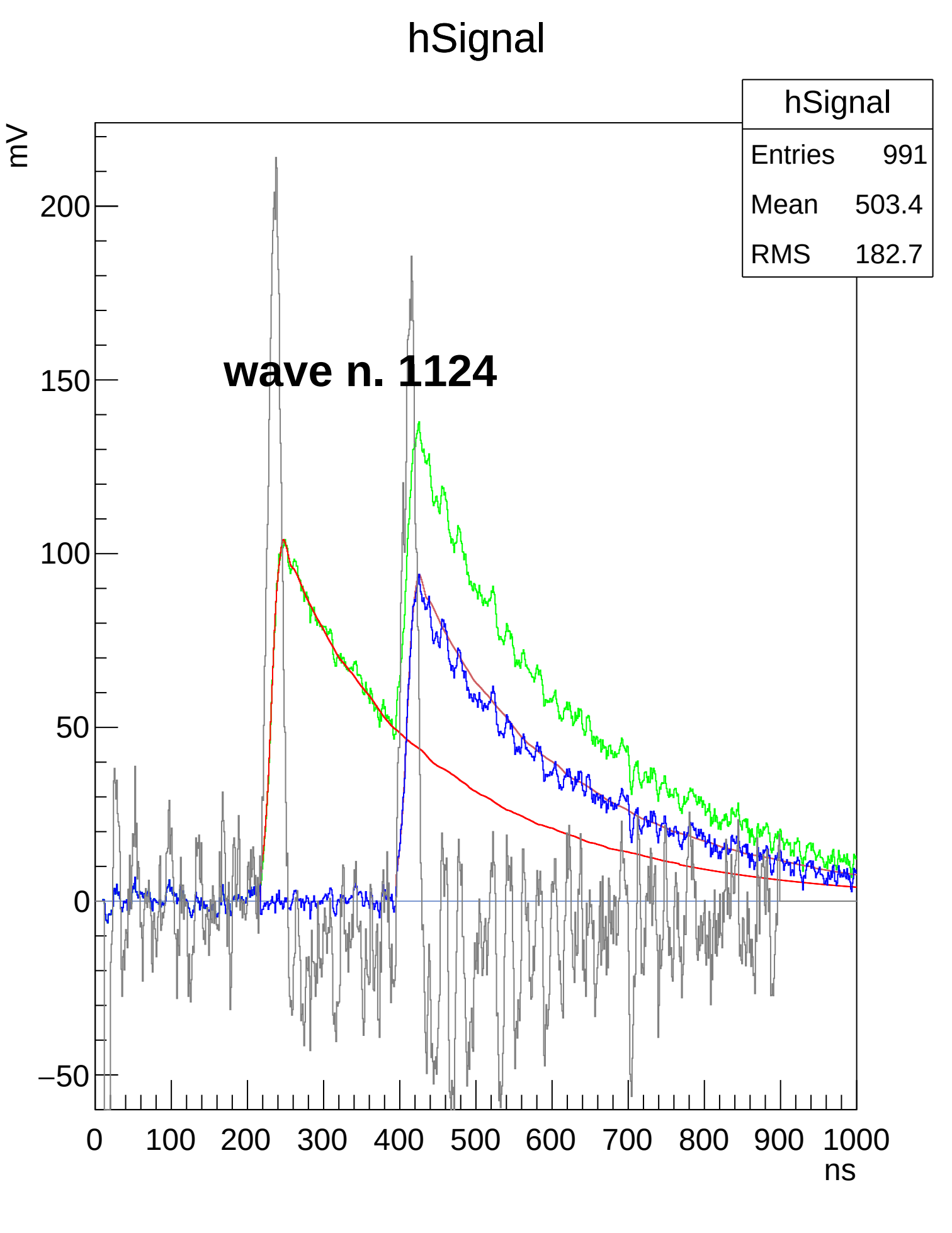

hSignal
hSignal
Entries 991
Mean 576.1
RMS 169.8
wave n. 1119
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

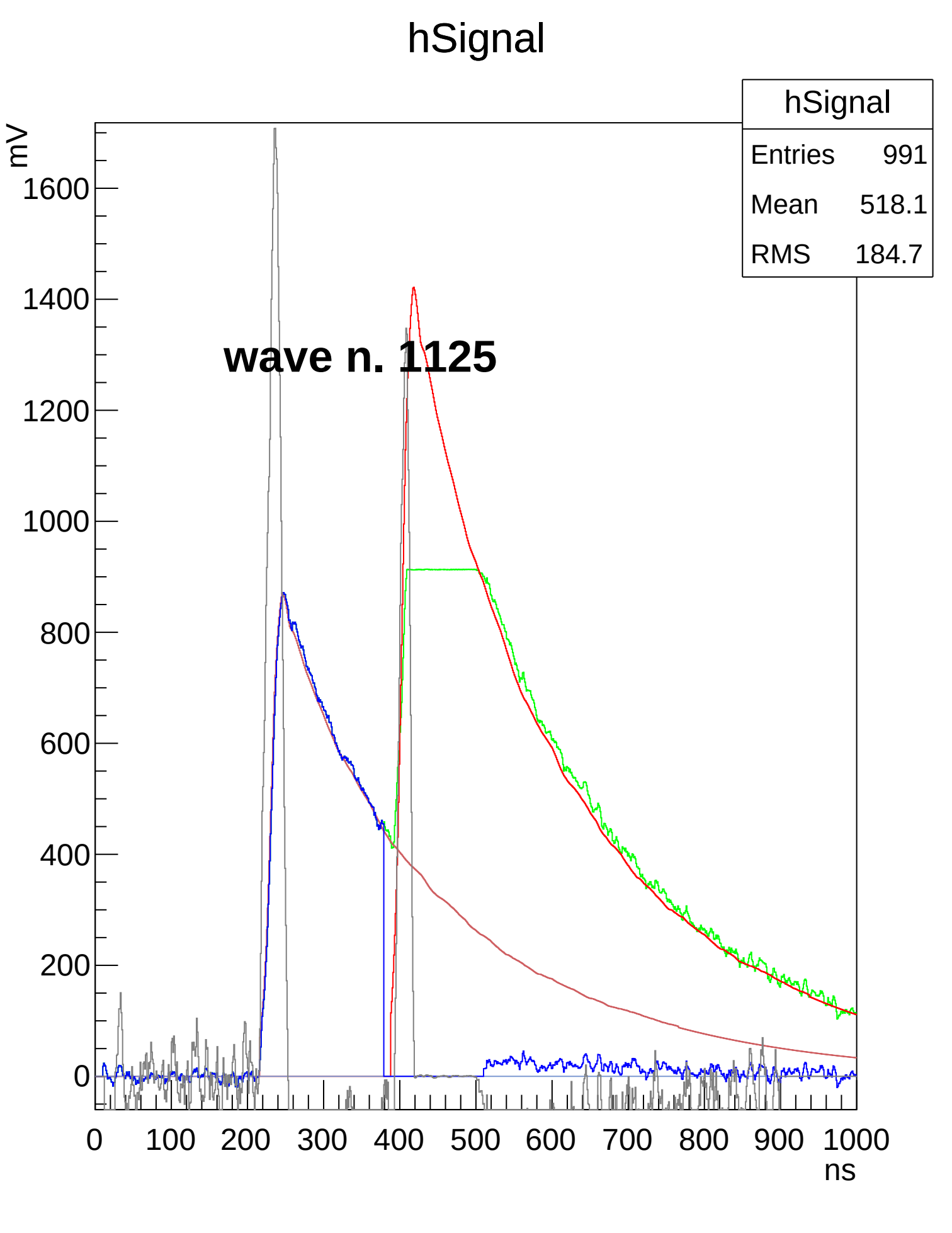

hSignal
hSignal
Entries 991
Mean 518.6
RMS 177.6
wave n. 1120
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

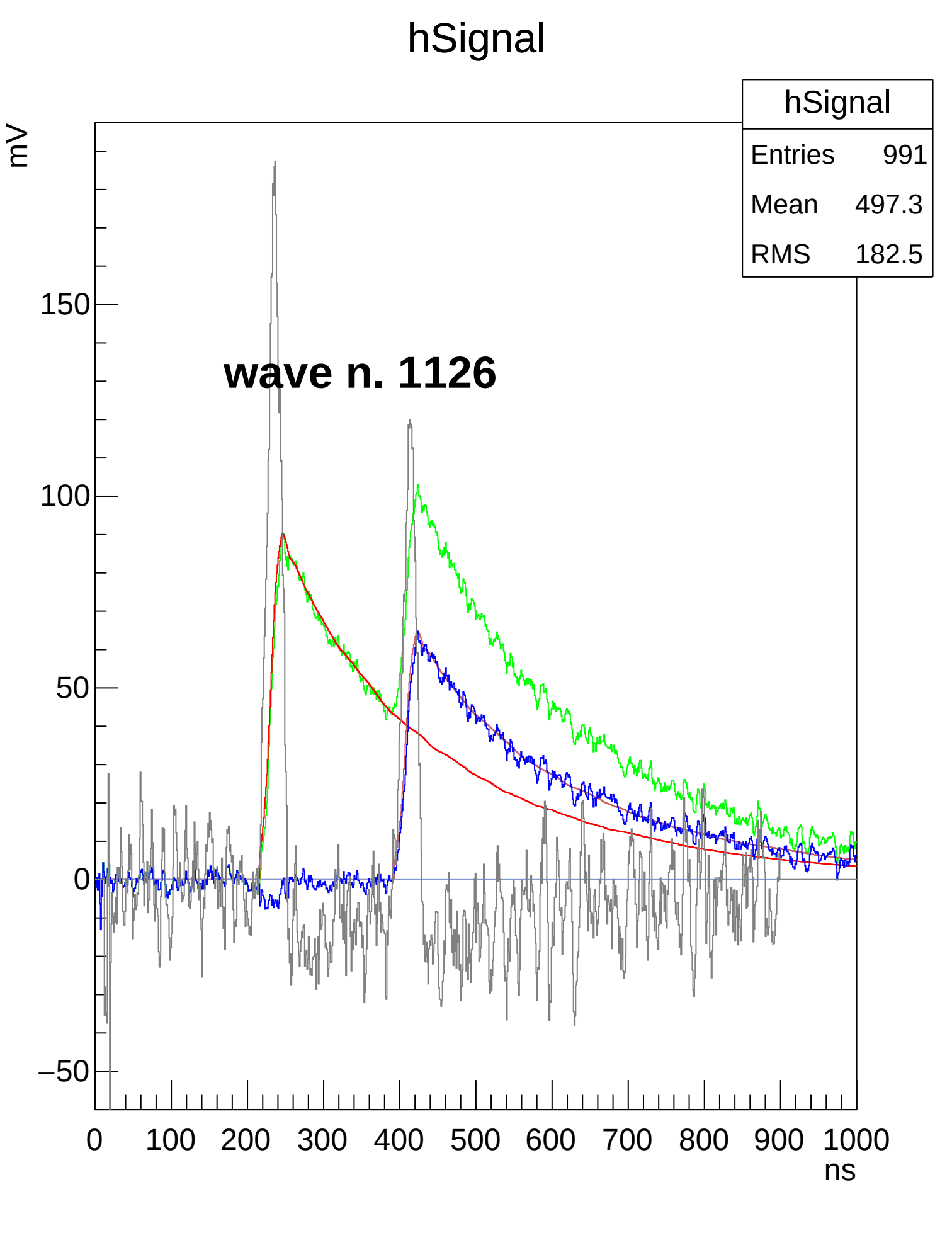

hSignal
hSignal
Entries 991
Mean 511
RMS 182.8
wave n. 1121
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

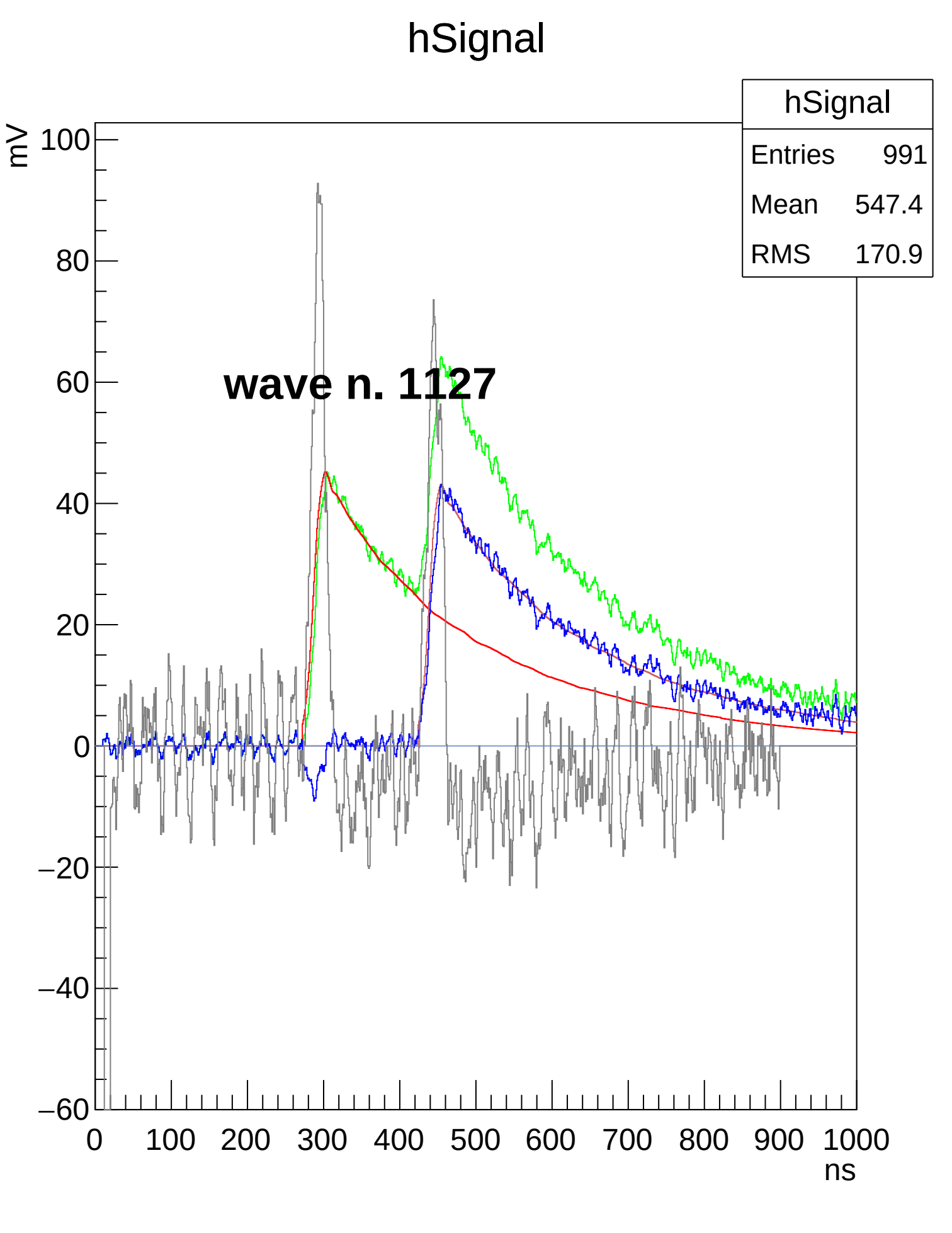

hSignal
hSignal
Entries 991
Mean 575.8
RMS 154.5
wave n. 1122
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

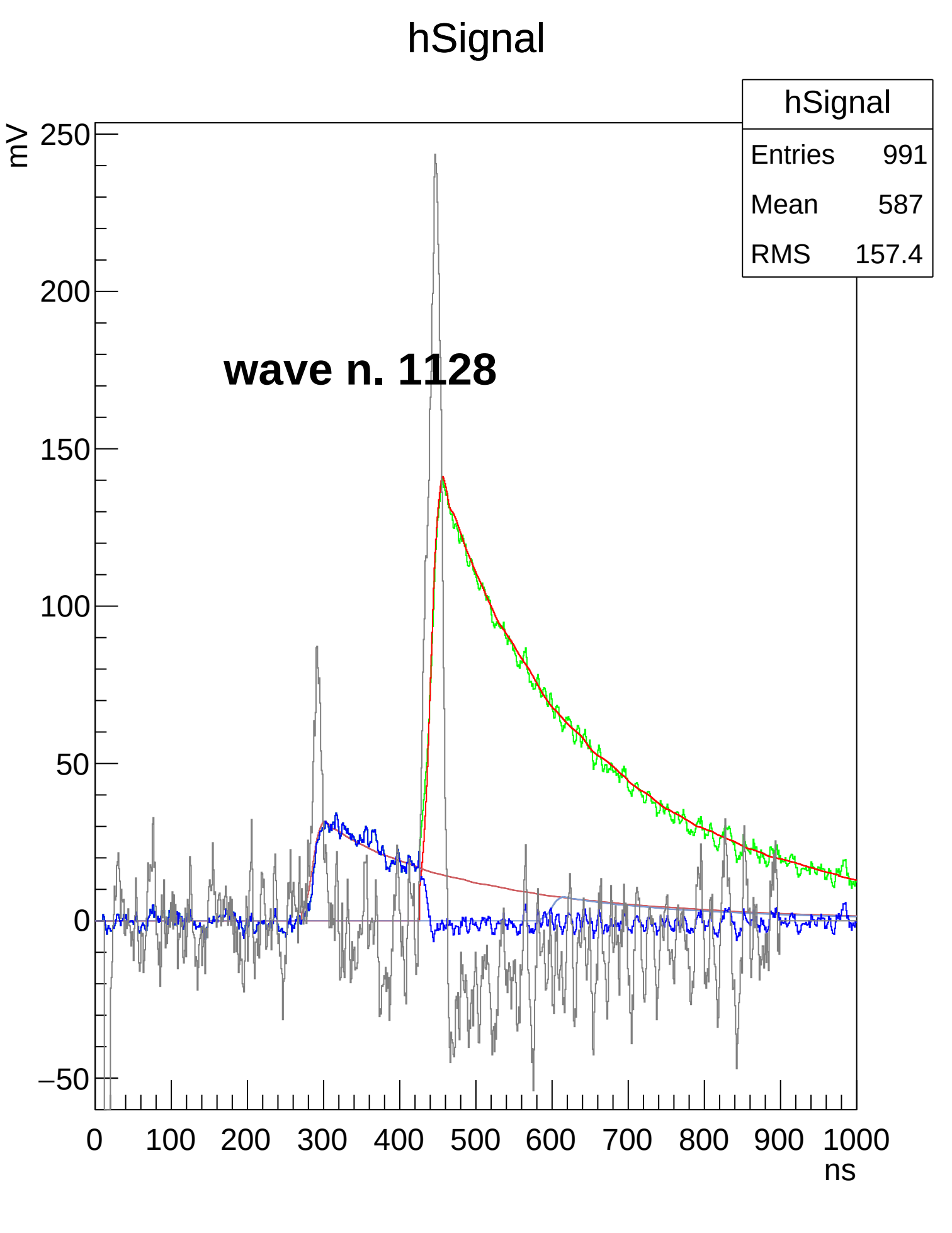

hSignal
hSignal
Entries 991
Mean 495
RMS 185.1
wave n. 1123
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

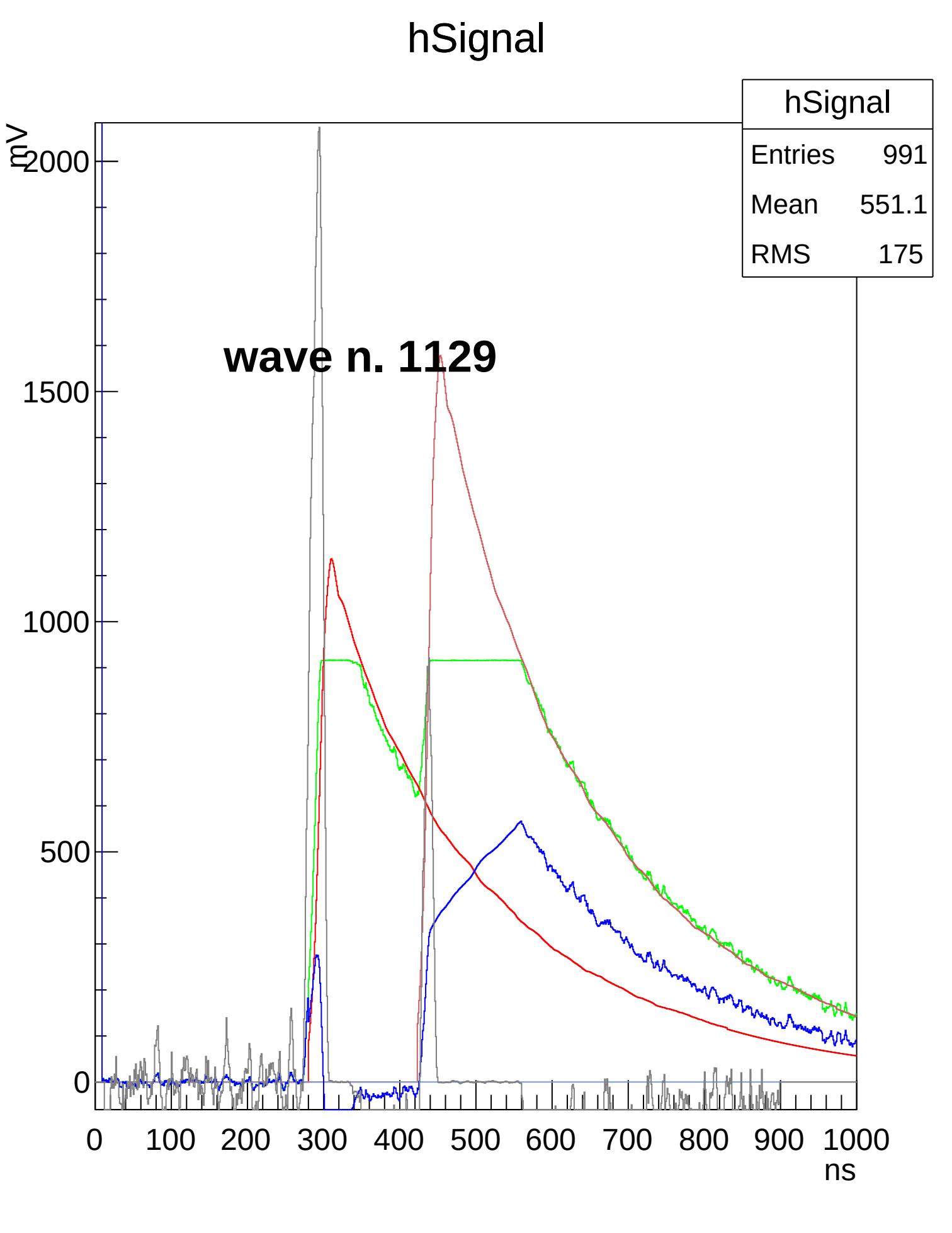

hSignal
hSignal
Entries 991
Mean 503.4
RMS 182.7
wave n. 1124
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

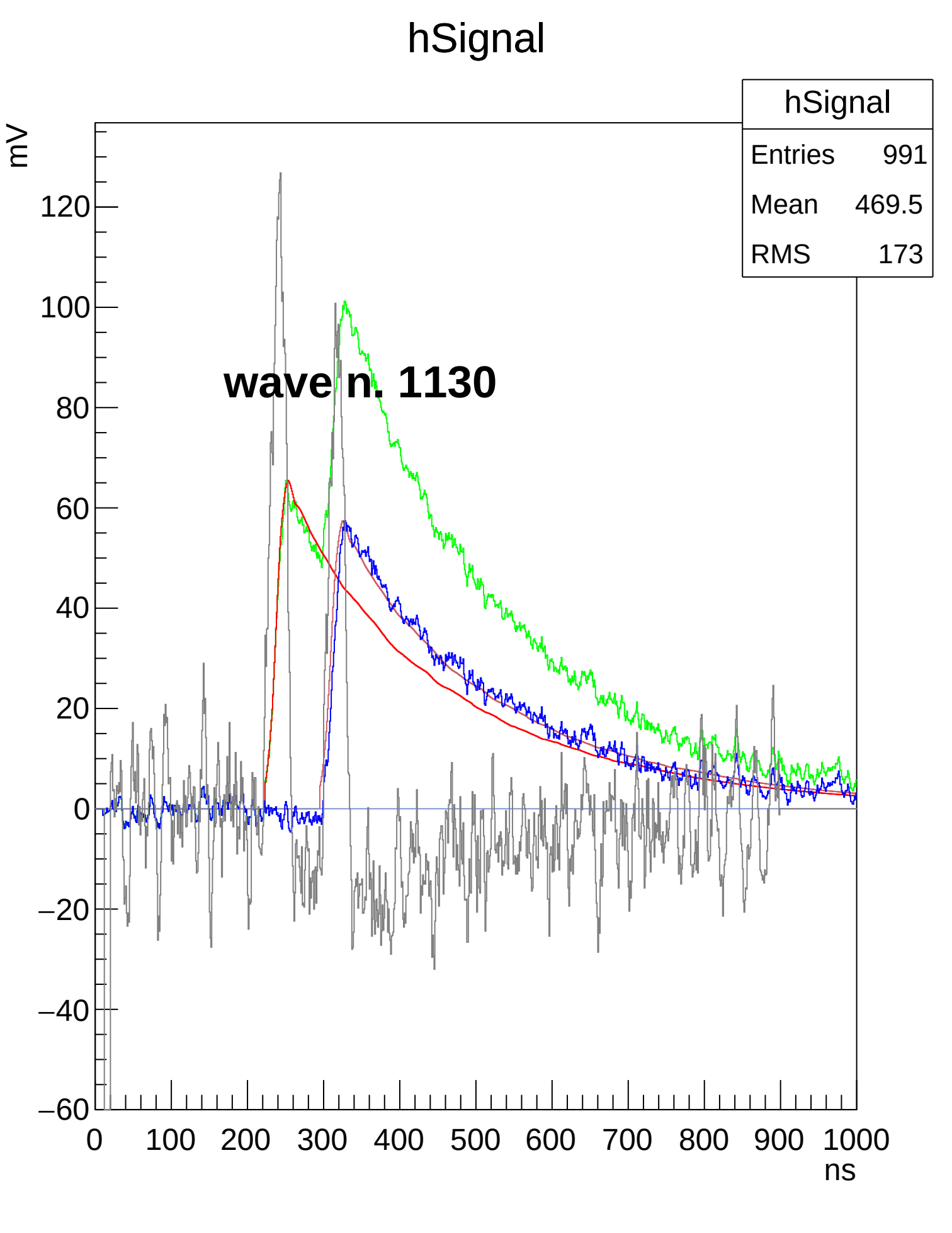

hSignal
hSignal
Entries 991
Mean 518.1
RMS 184.7
wave n. 1125
mV
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

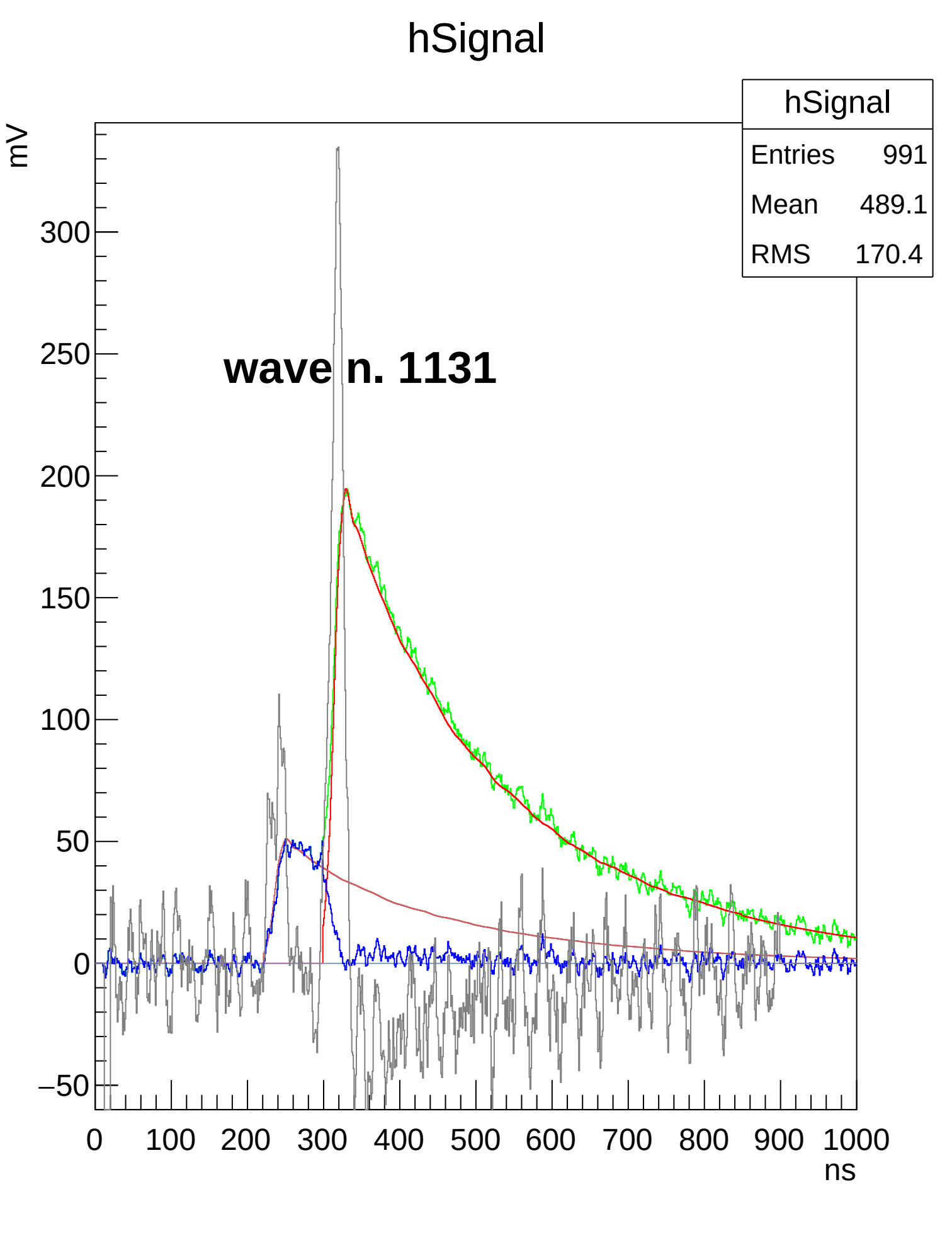

hSignal
hSignal
Entries 991
Mean 497.3
RMS 182.5
wave n. 1126
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

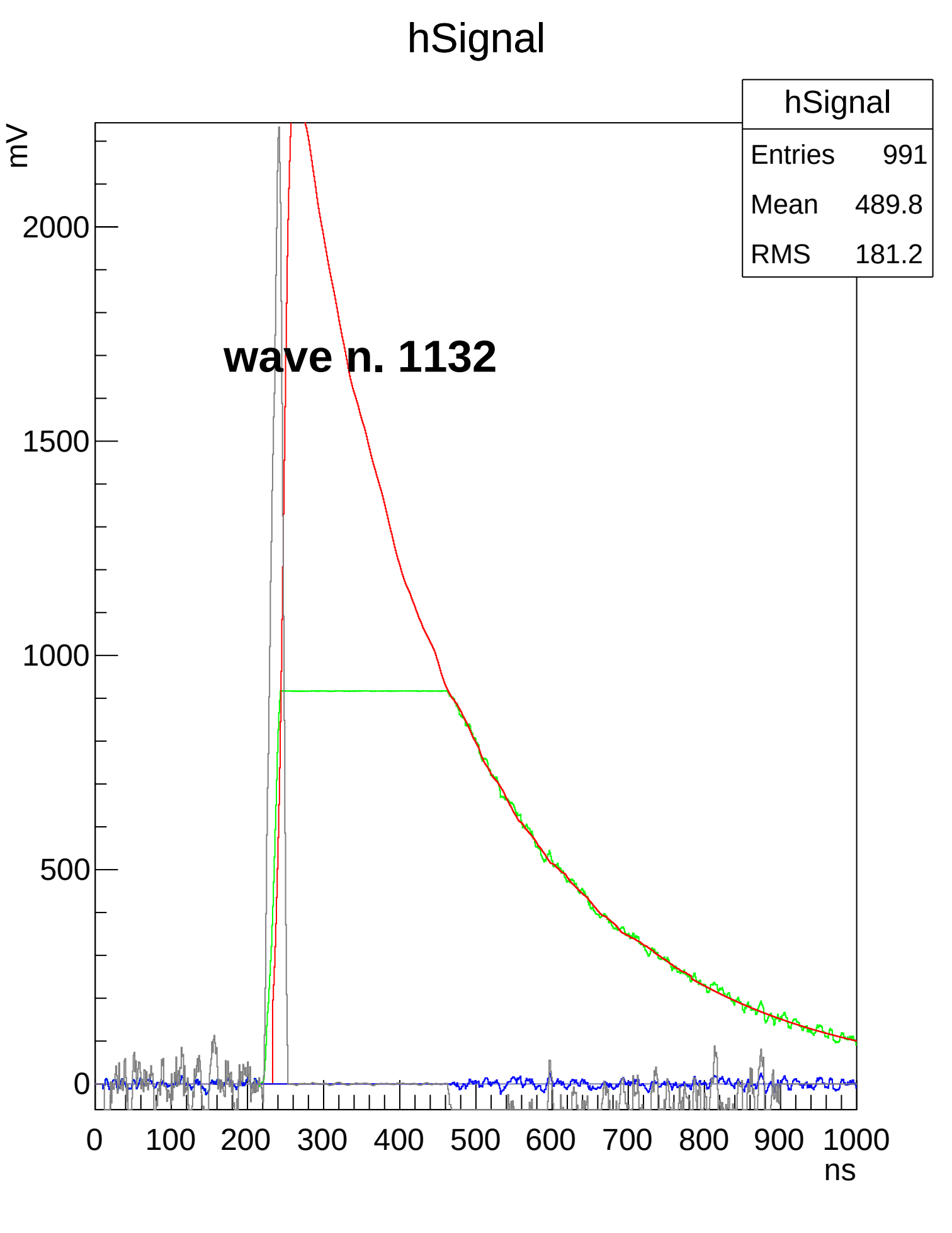

hSignal
hSignal
Entries 991
Mean 547.4
RMS 170.9
wave n. 1127
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

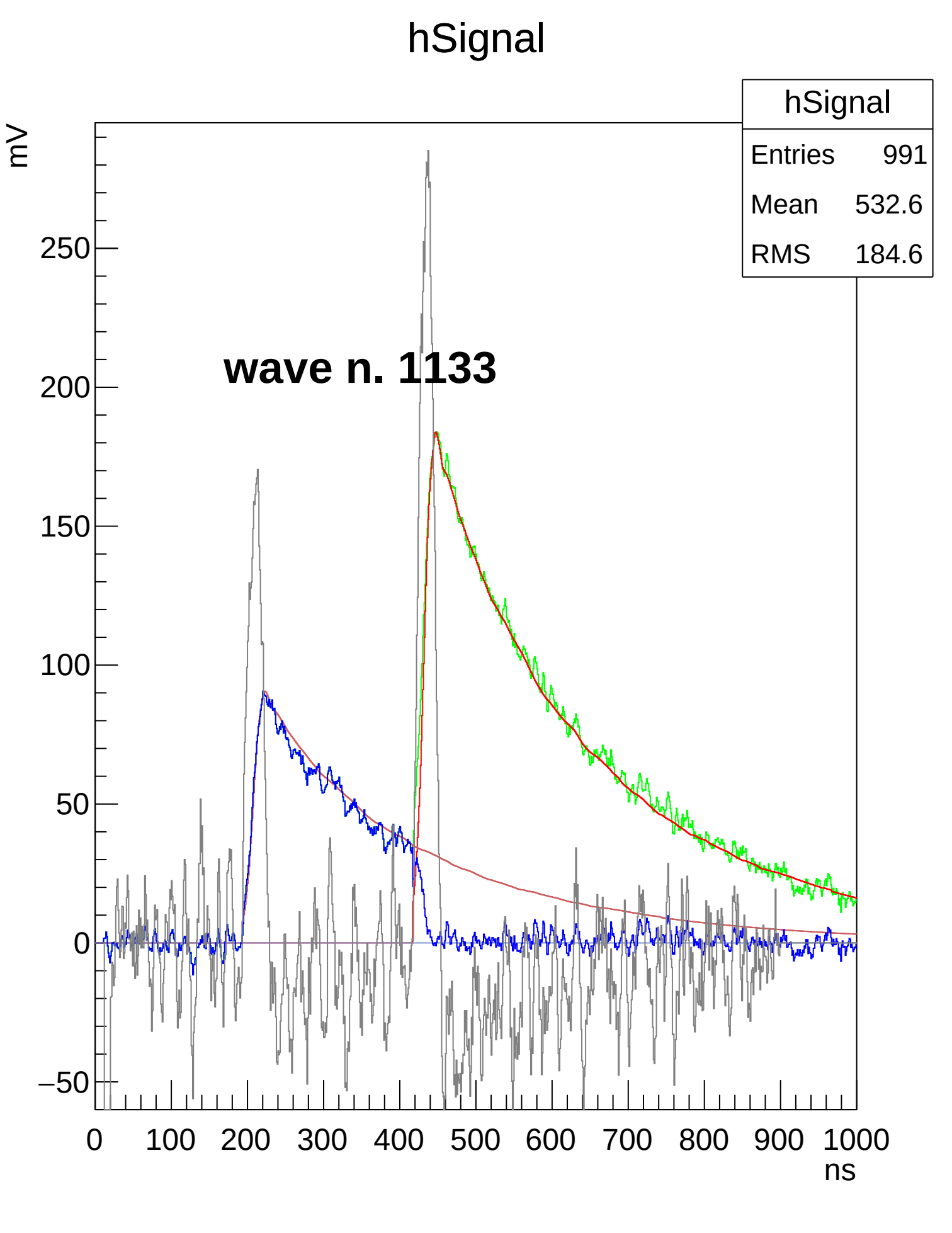

hSignal
hSignal
Entries 991
Mean 587
RMS 157.4
wave n. 1128
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

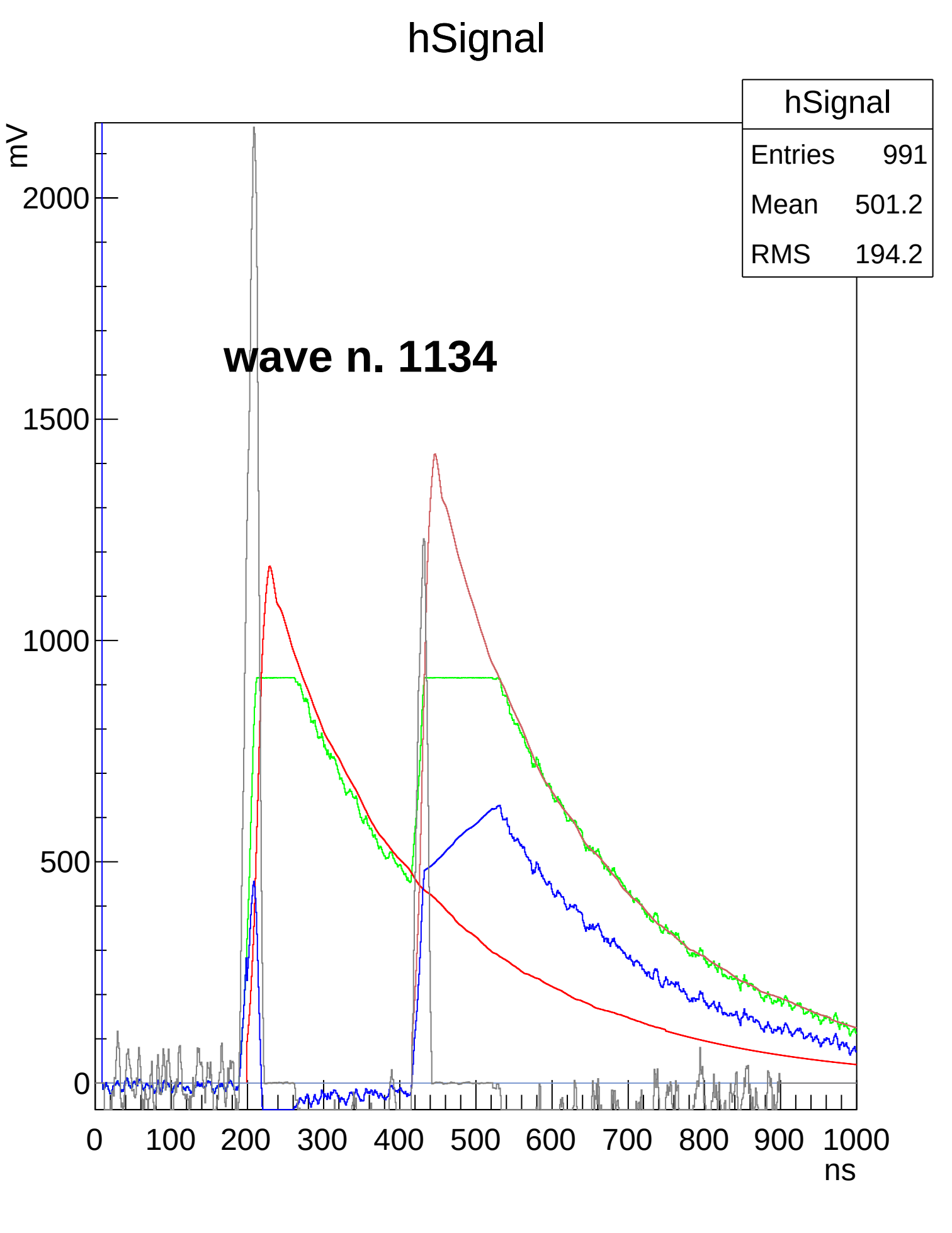

hSignal
hSignal
Entries 991
Mean 551.1
RMS 175
wave n. 1129
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

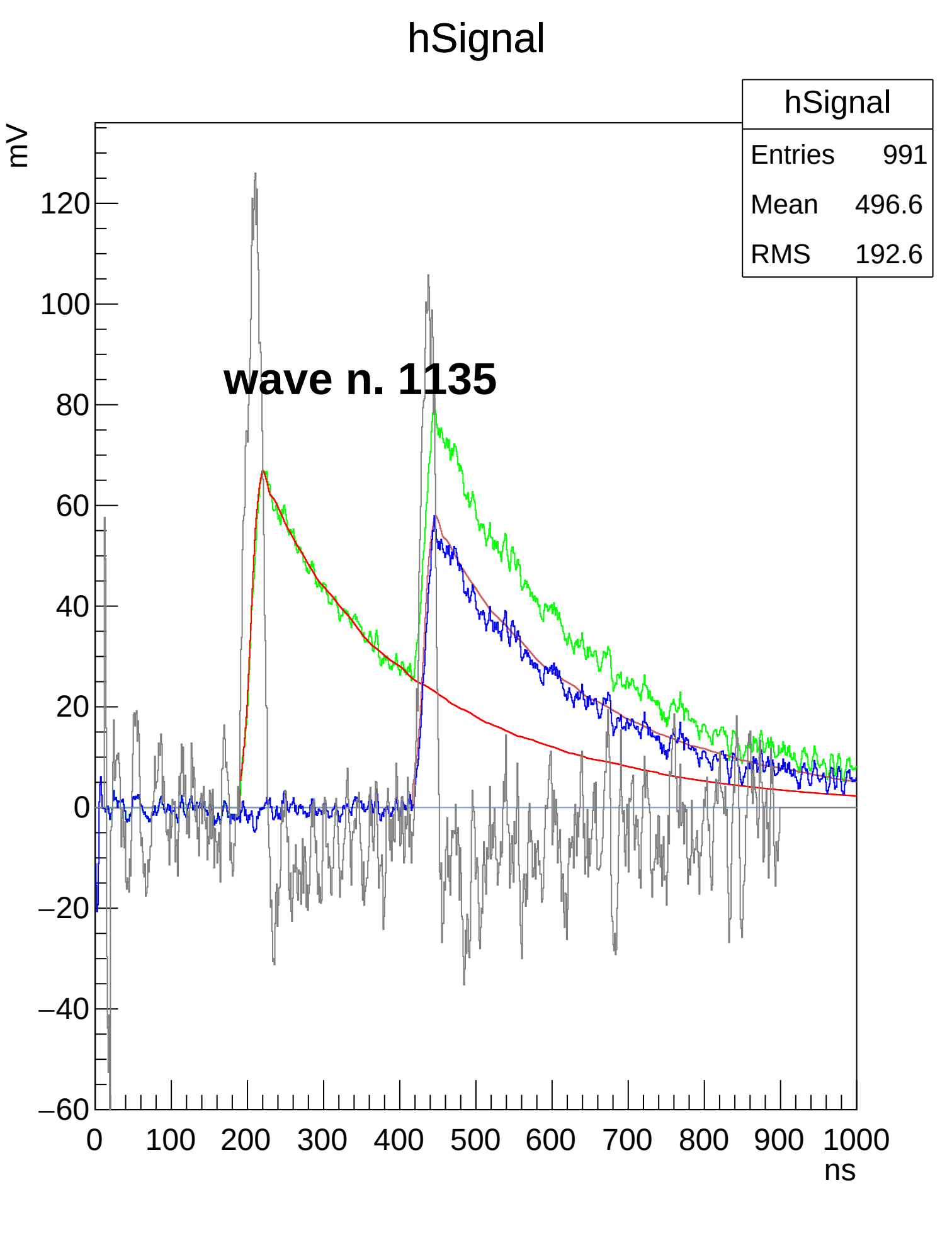

hSignal
hSignal
Entries 991
Mean 469.5
RMS 173
wave n. 1130
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

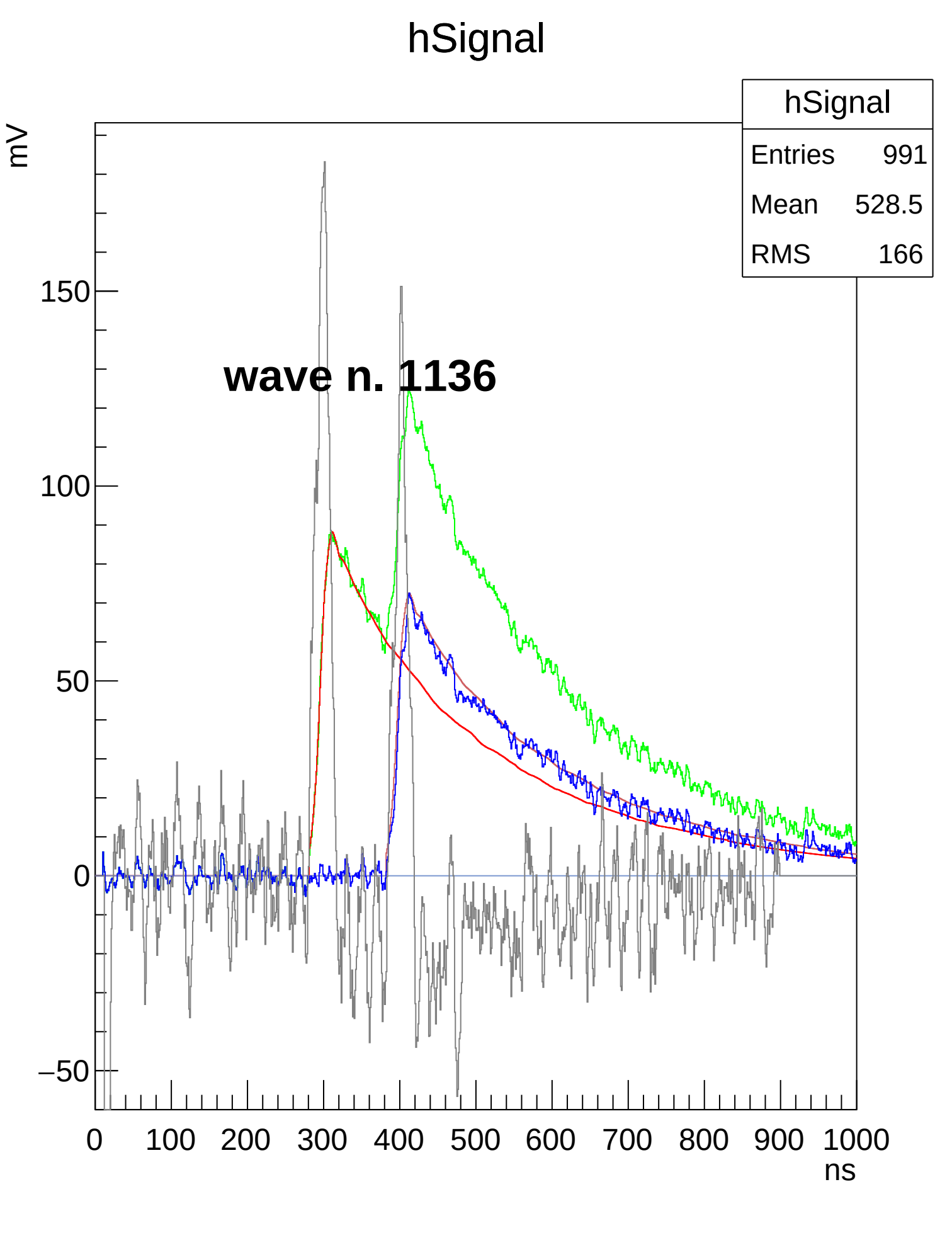

hSignal
hSignal
Entries 991
Mean 489.1
RMS 170.4
wave n. 1131
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

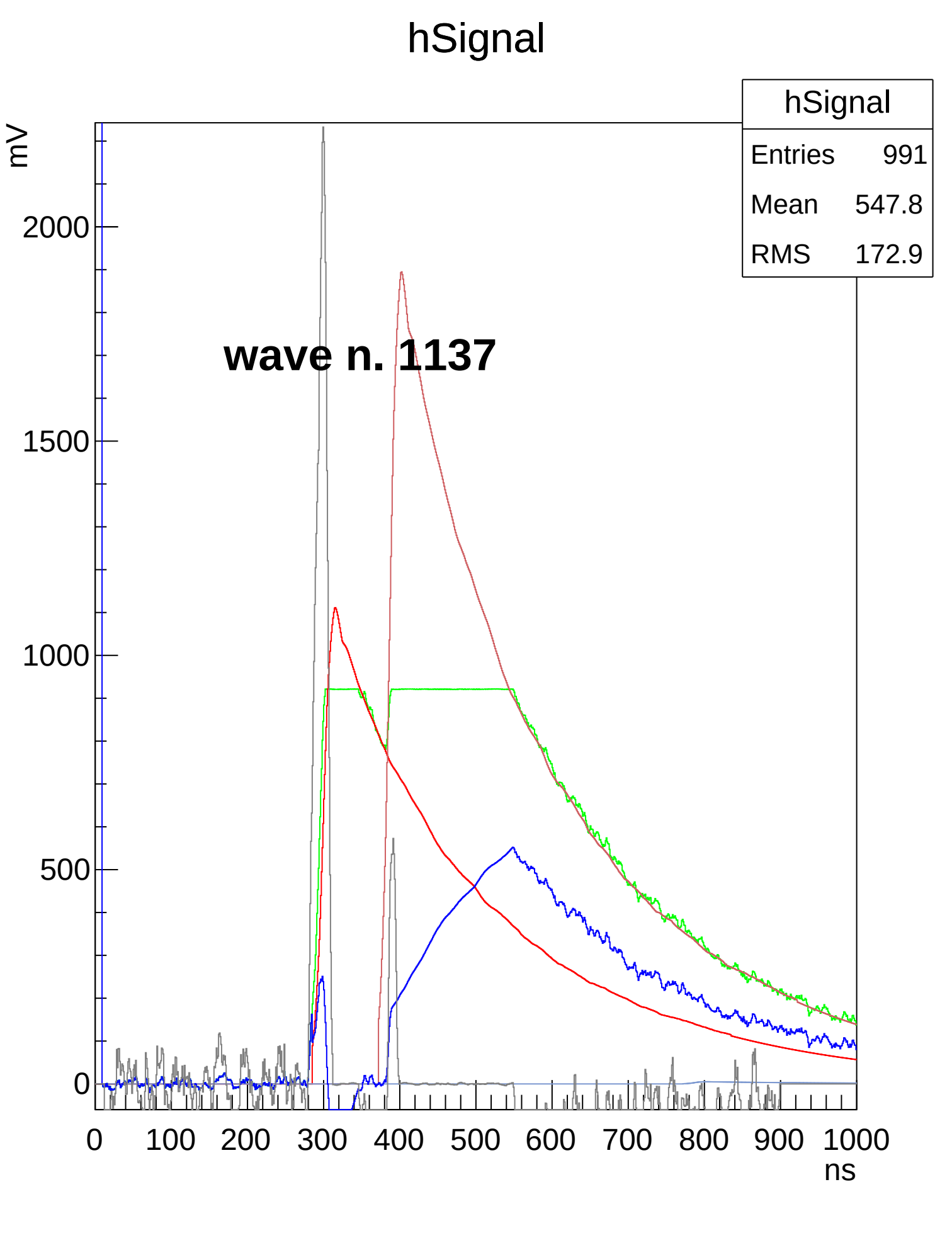

hSignal
hSignal
Entries 991
Mean 489.8
RMS 181.2
wave n. 1132
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

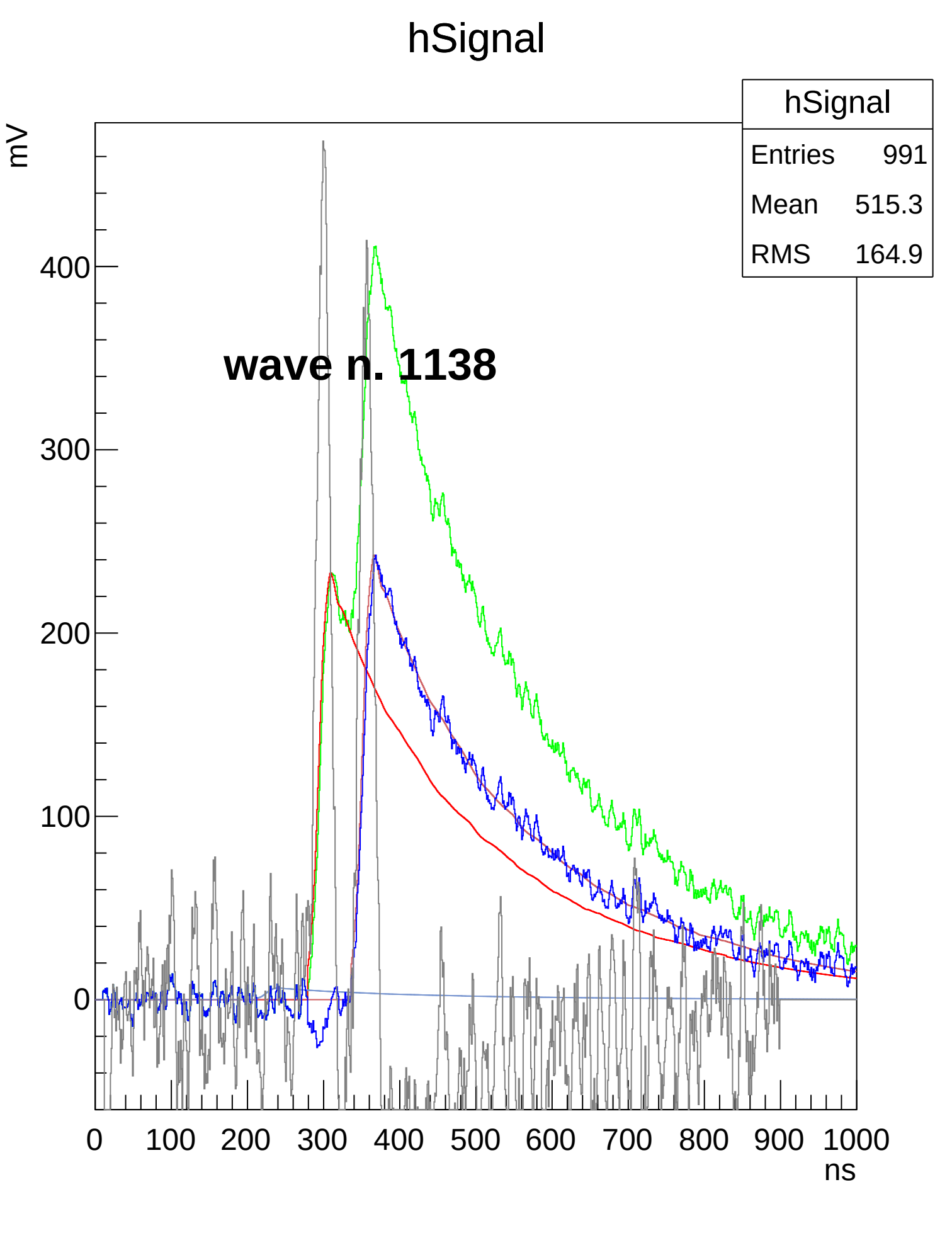

hSignal
hSignal
Entries 991
Mean 532.6
RMS 184.6
wave n. 1133
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

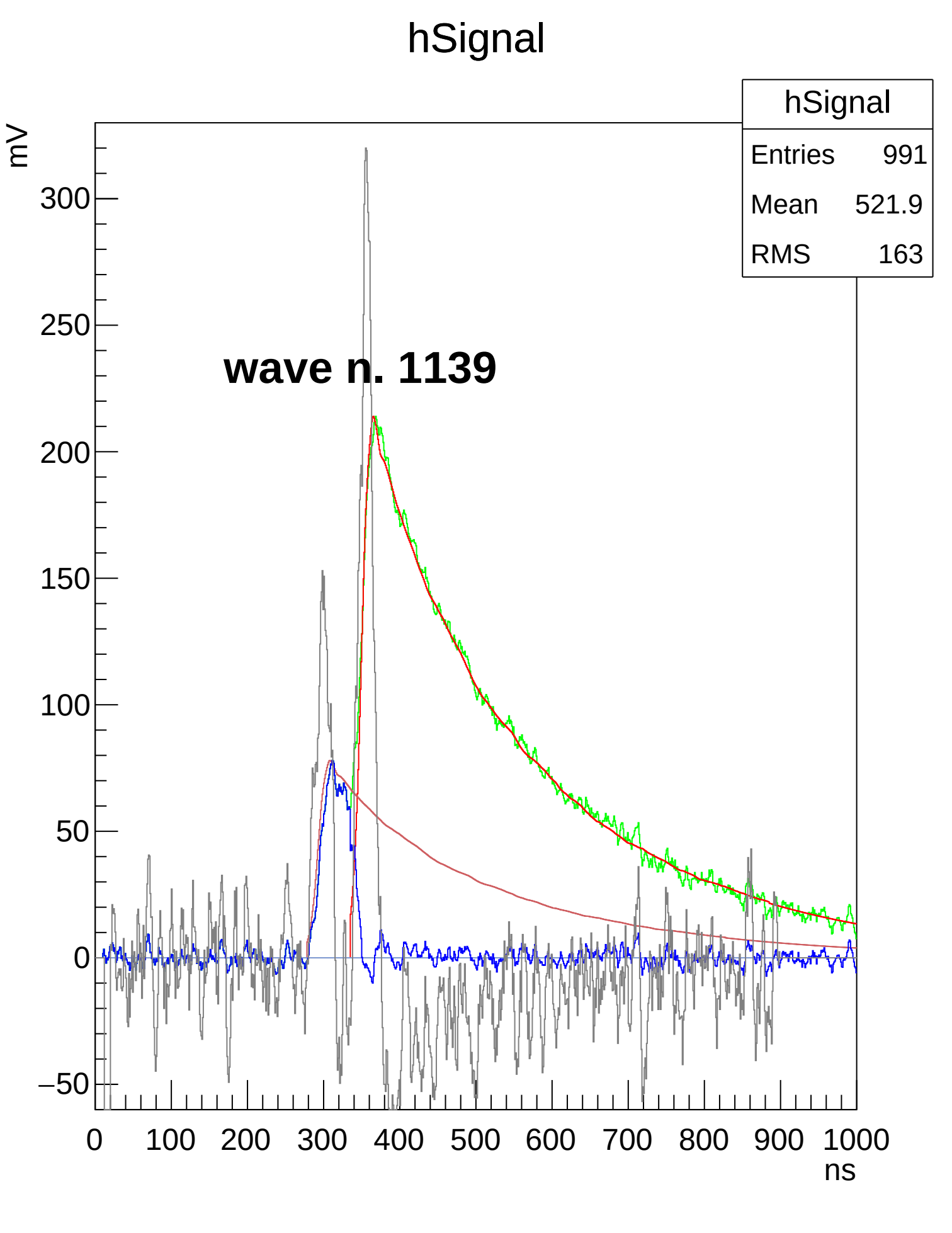

hSignal
hSignal
Entries 991
Mean 501.2
RMS 194.2
wave n. 1134
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

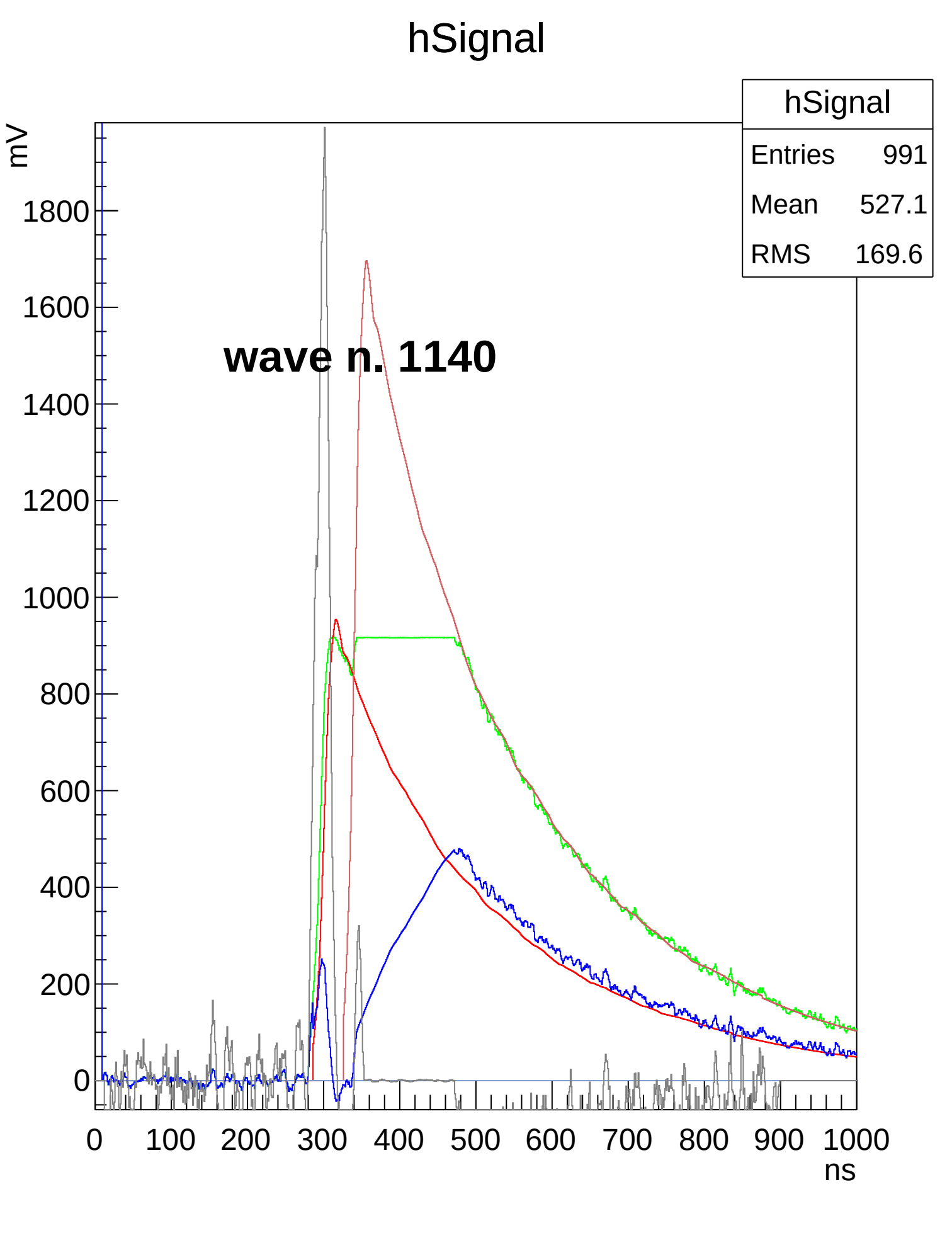

hSignal
hSignal
Entries 991
Mean 496.6
RMS 192.6
wave n. 1135
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

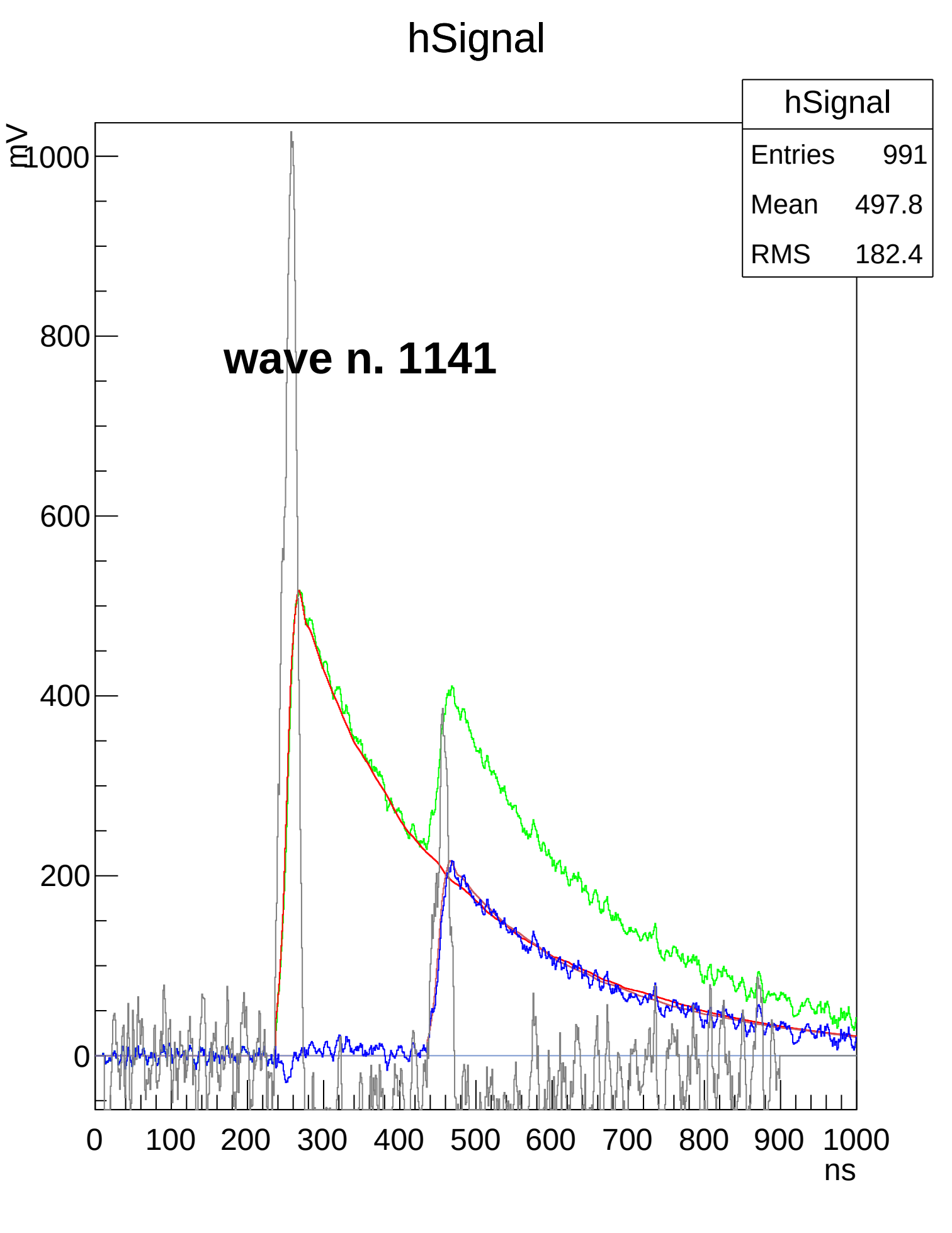

hSignal
hSignal
Entries 991
Mean 528.5
RMS 166
wave n. 1136
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

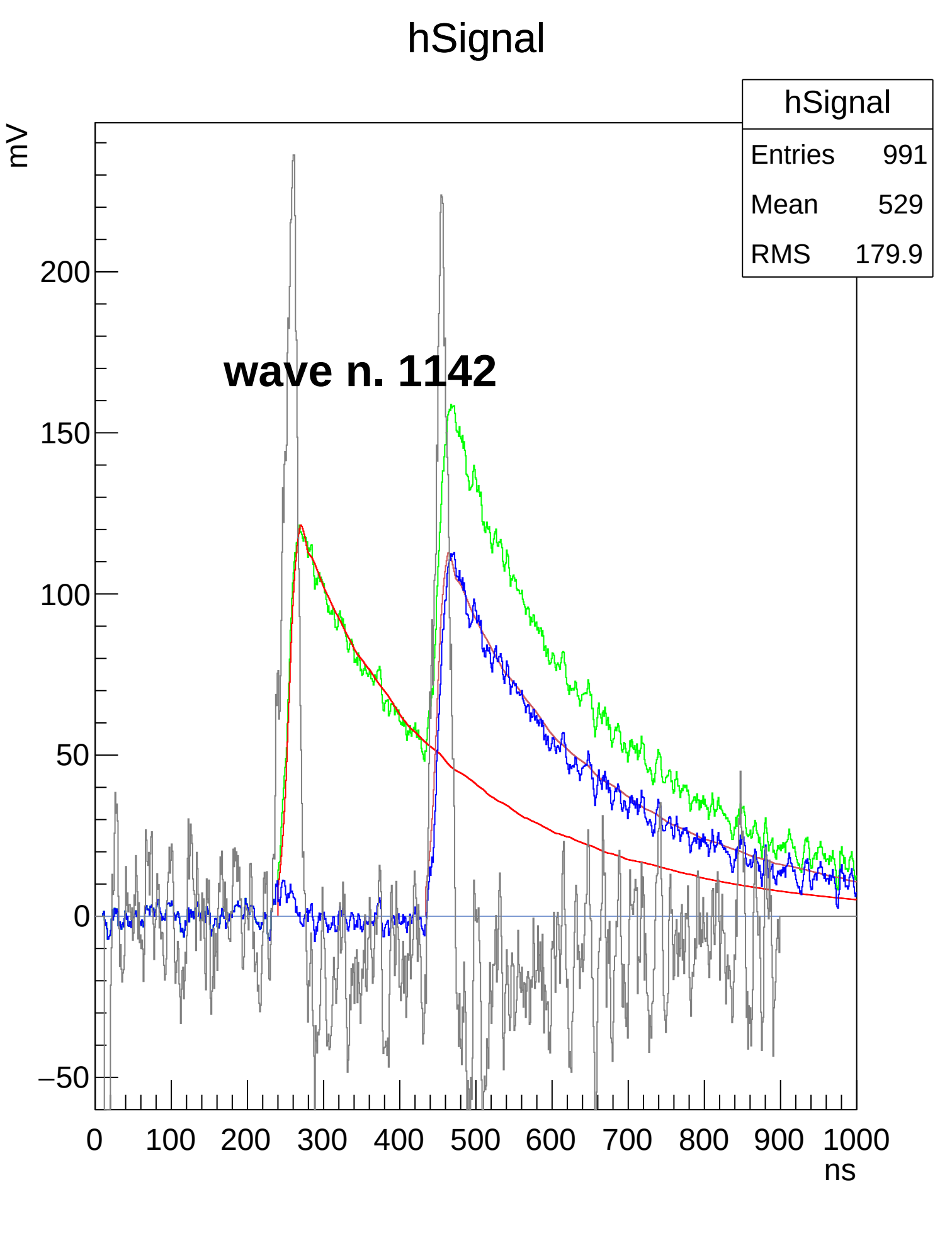

hSignal
hSignal
Entries 991
Mean 547.8
RMS 172.9
wave n. 1137
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

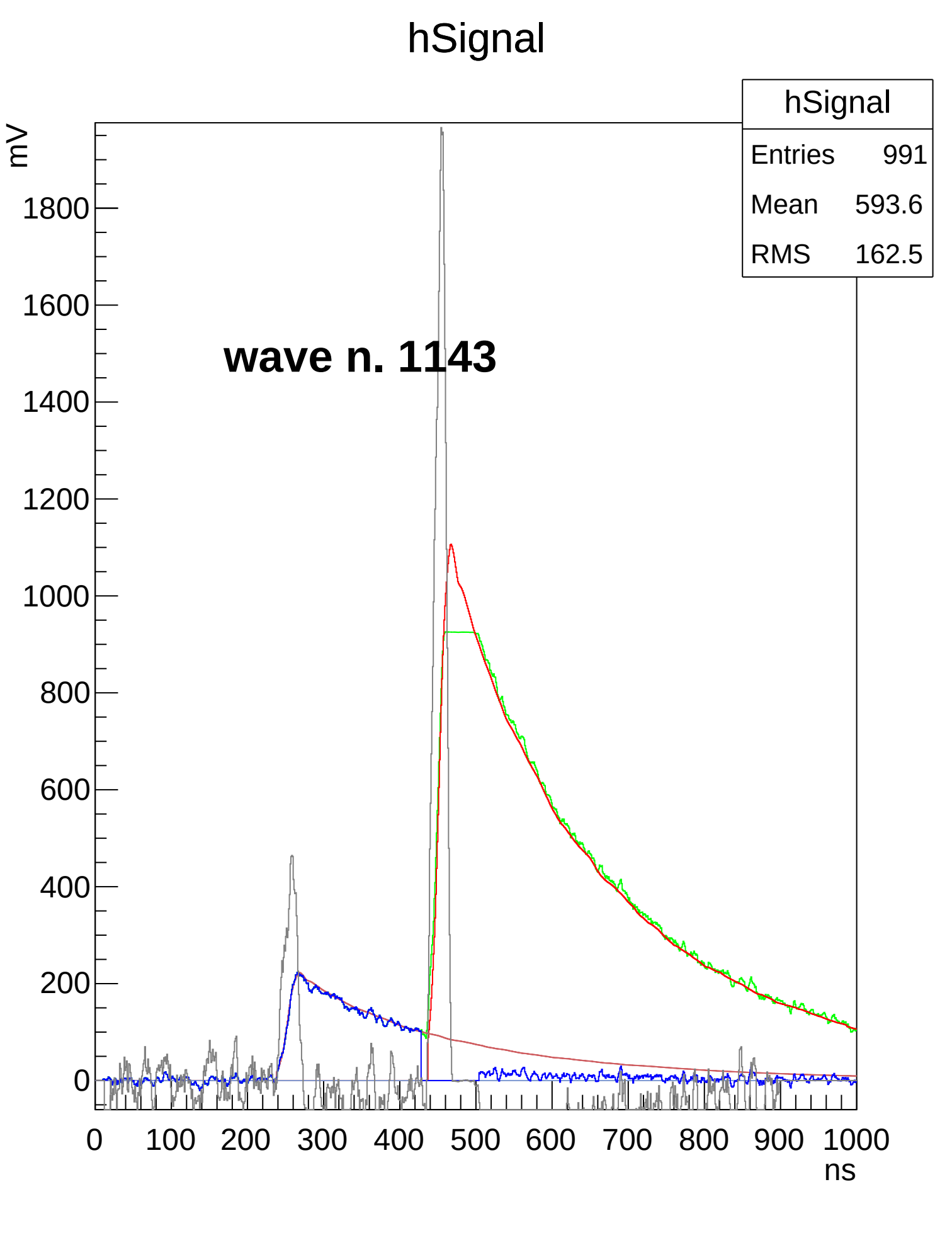

hSignal
hSignal
Entries 991
Mean 515.3
RMS 164.9
wave n. 1138
mV
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

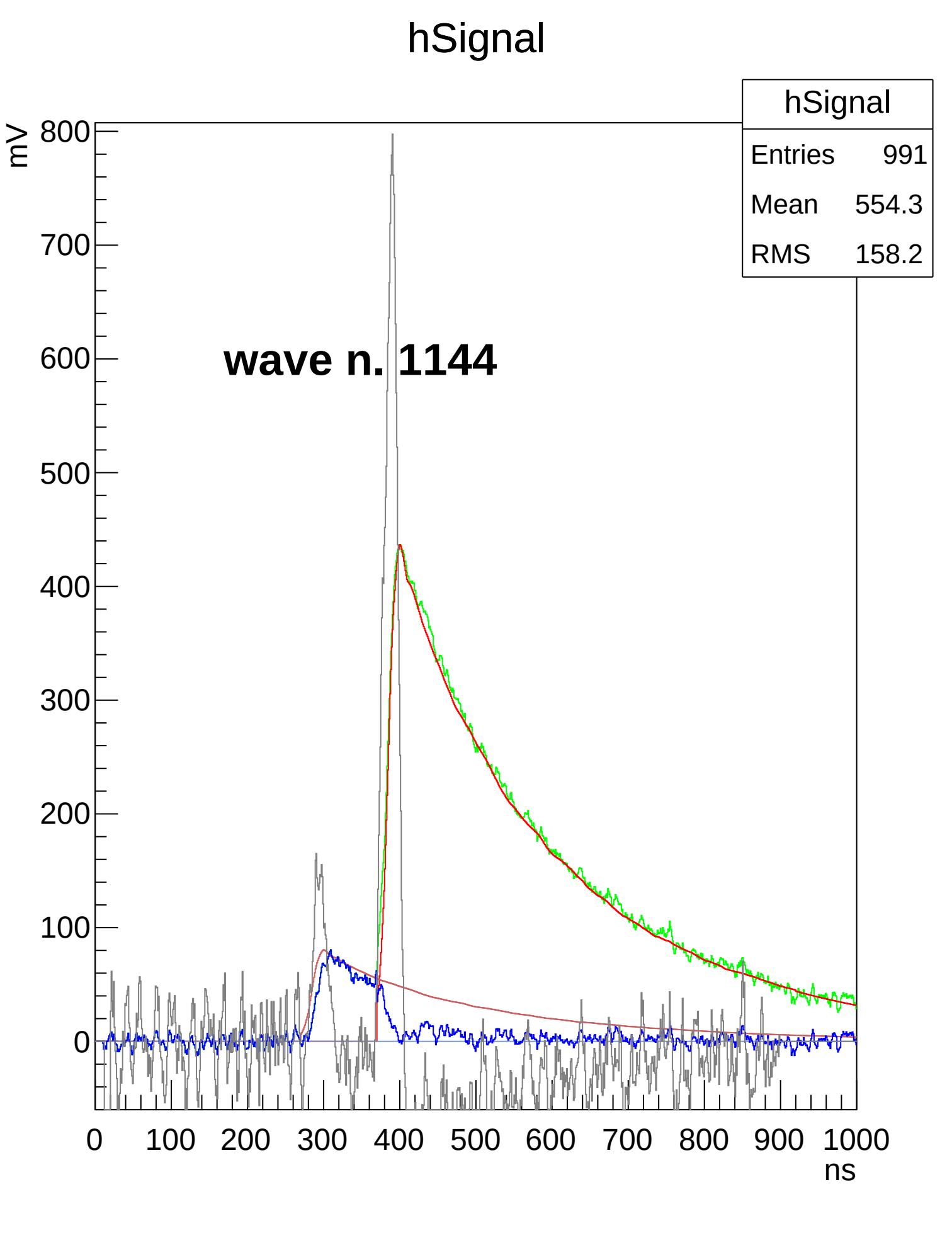

hSignal
hSignal
Entries 991
Mean 521.9
RMS 163
wave n. 1139
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

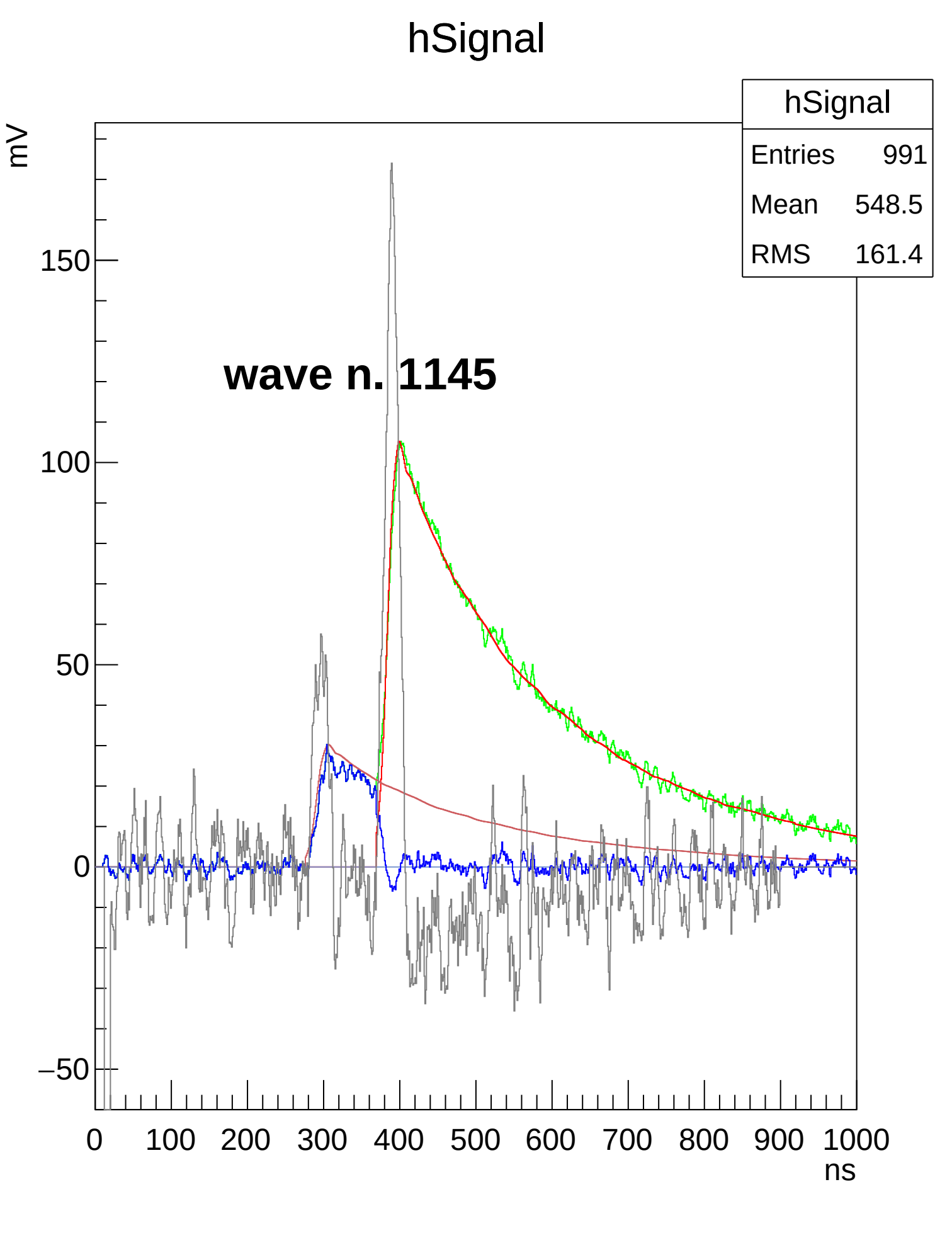

hSignal
hSignal
Entries 991
Mean 527.1
RMS 169.6
wave n. 1140
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

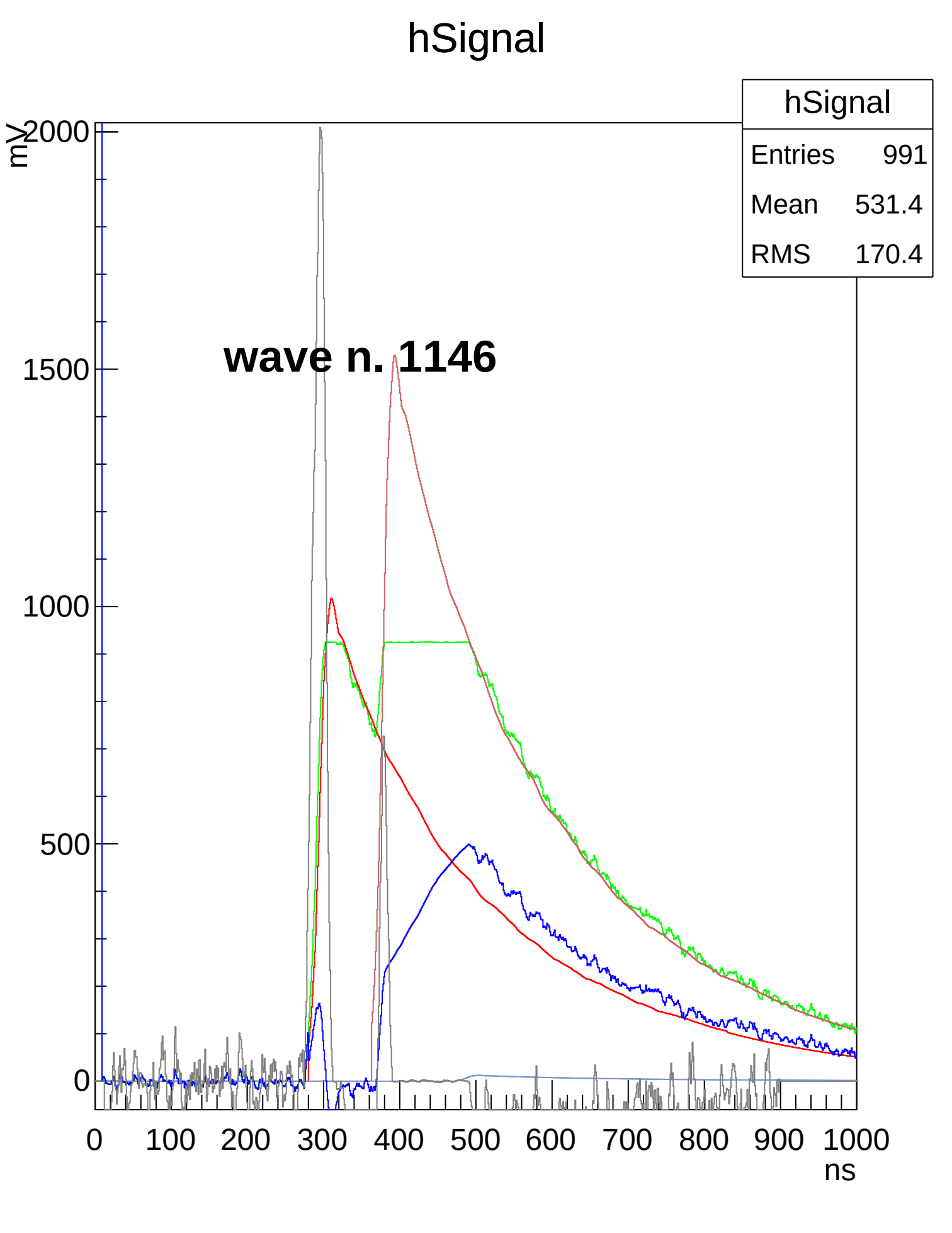

hSignal
hSignal
Entries 991
Mean 497.8
RMS 182.4
wave n. 1141
mV
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

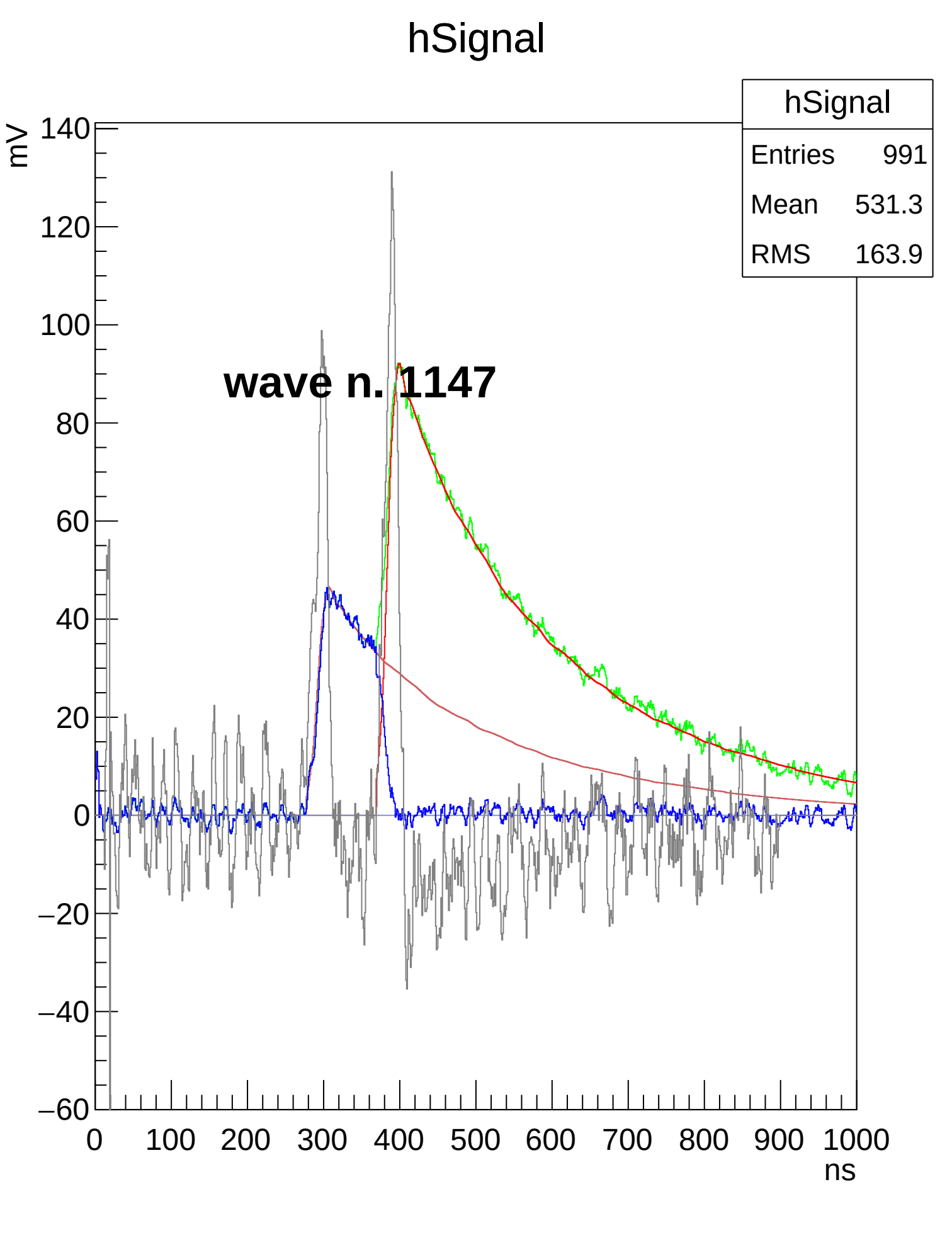

hSignal
hSignal
Entries 991
Mean 529
RMS 179.9
wave n. 1142
mV
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

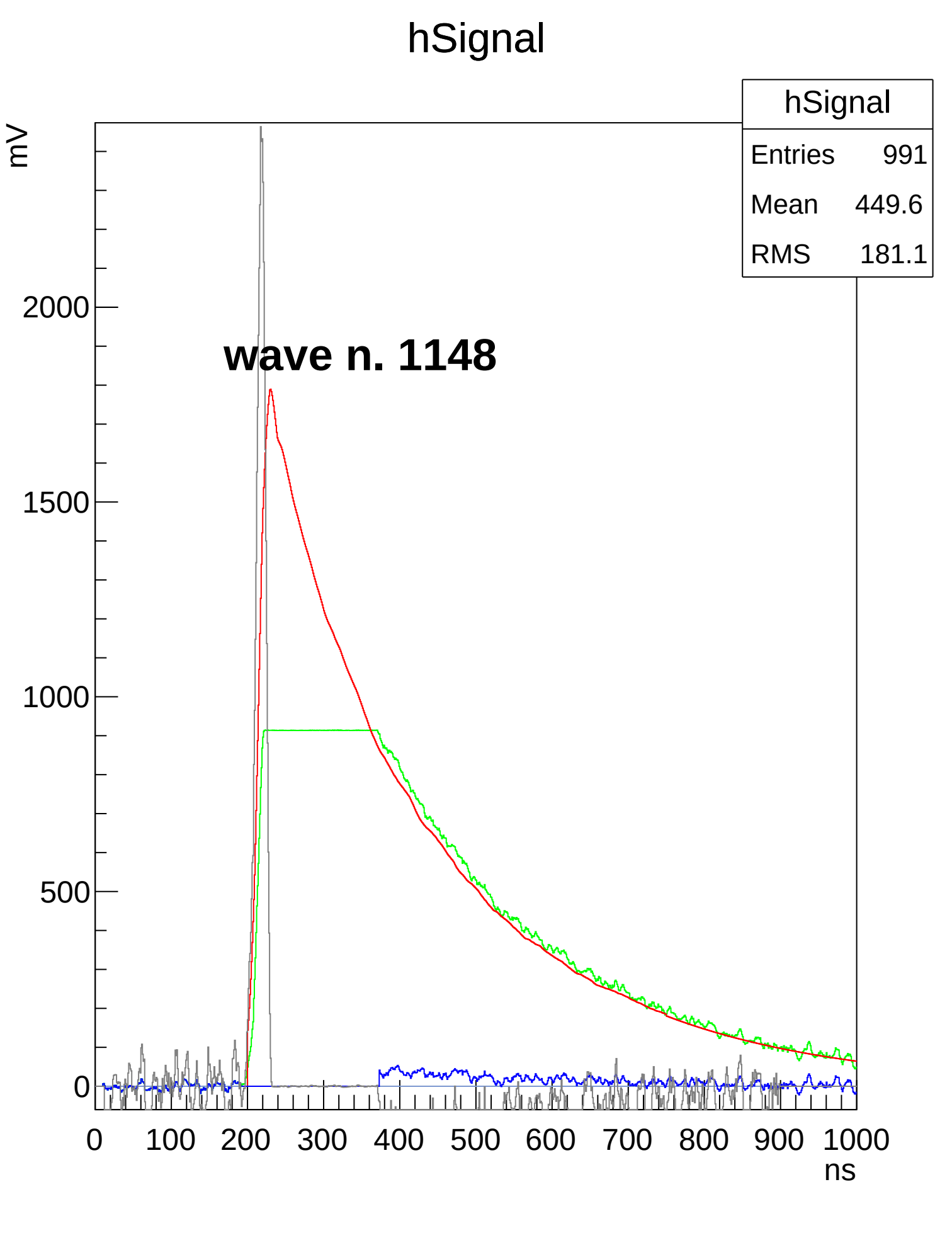

hSignal
hSignal
Entries 991
Mean 593.6
RMS 162.5
wave n. 1143
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

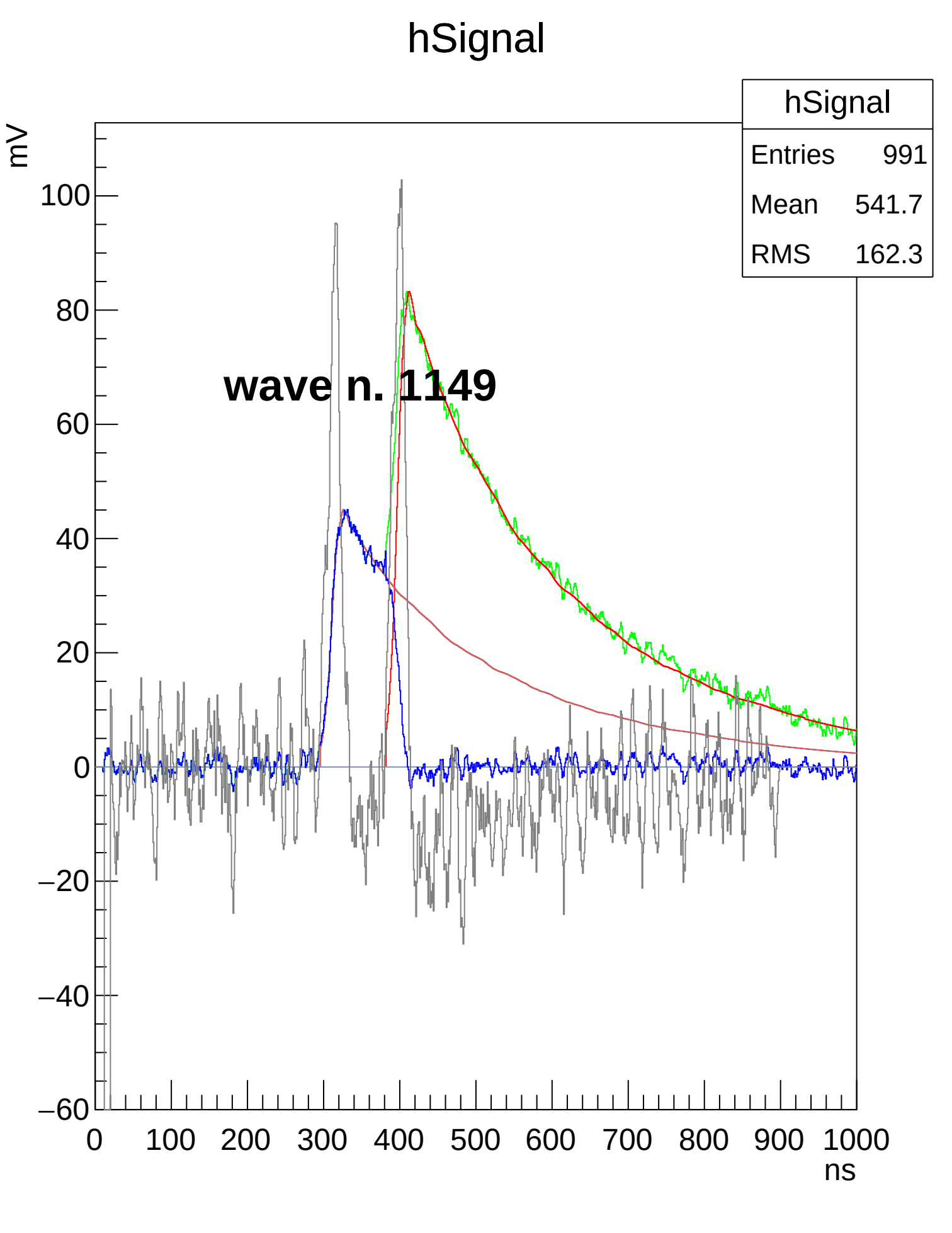

hSignal
hSignal
Entries 991
Mean 554.3
RMS 158.2
wave n. 1144
mV
800
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

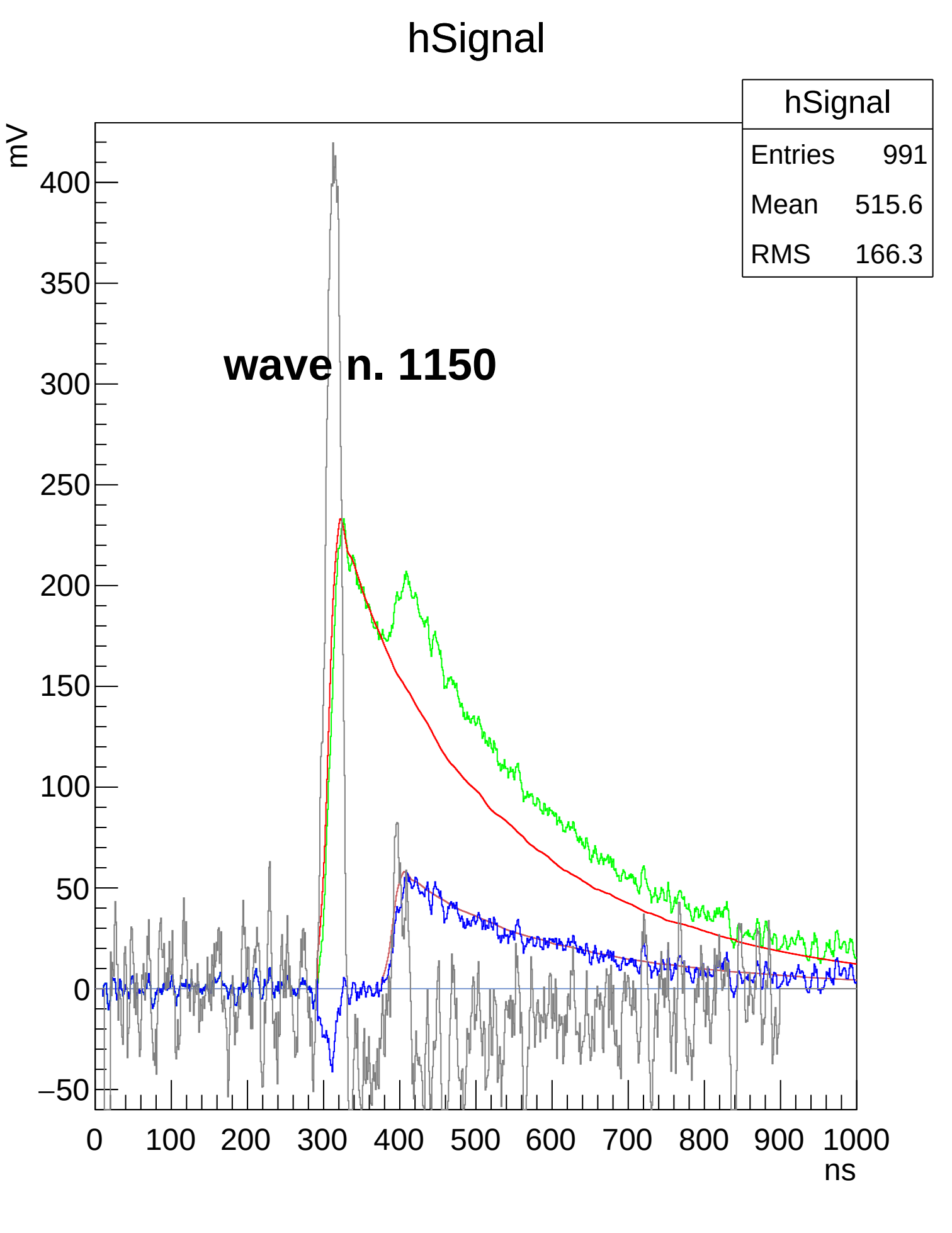

hSignal
hSignal
Entries 991
Mean 548.5
RMS 161.4
wave n. 1145
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

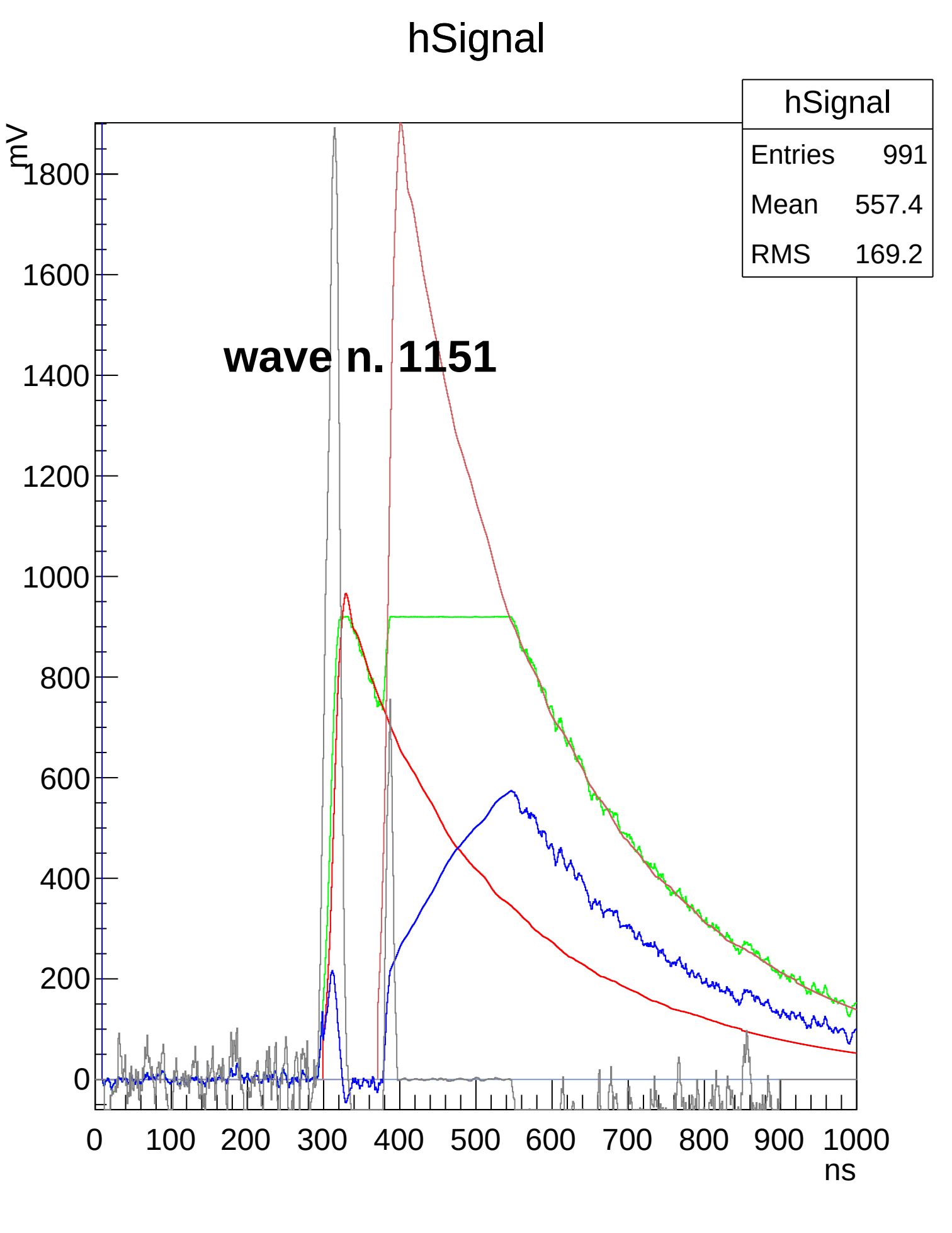

hSignal
hSignal
Entries 991
Mean 531.4
RMS 170.4
wave n. 1146
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

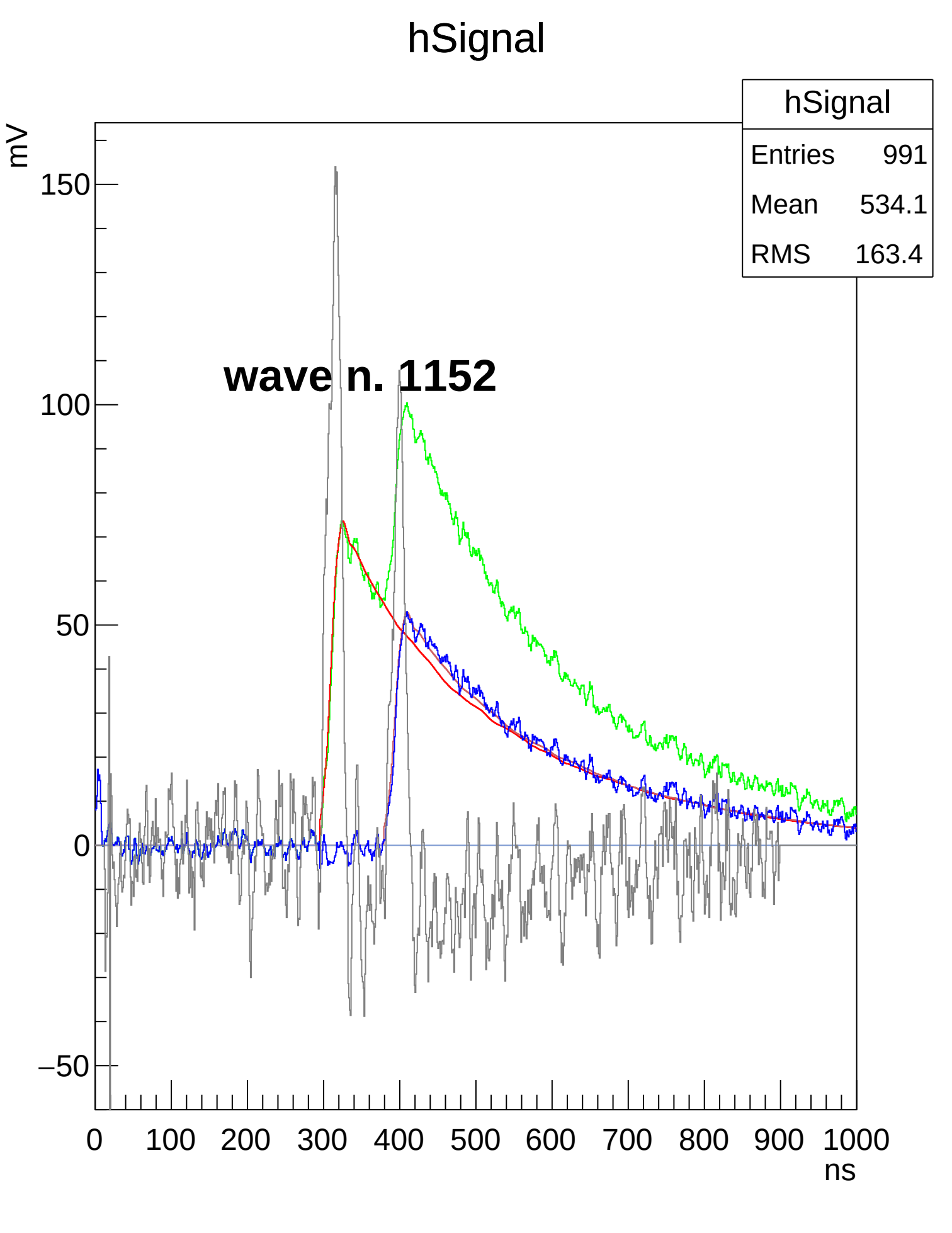

hSignal
hSignal
Entries 991
Mean 531.3
RMS 163.9
wave n. 1147
mV
140
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

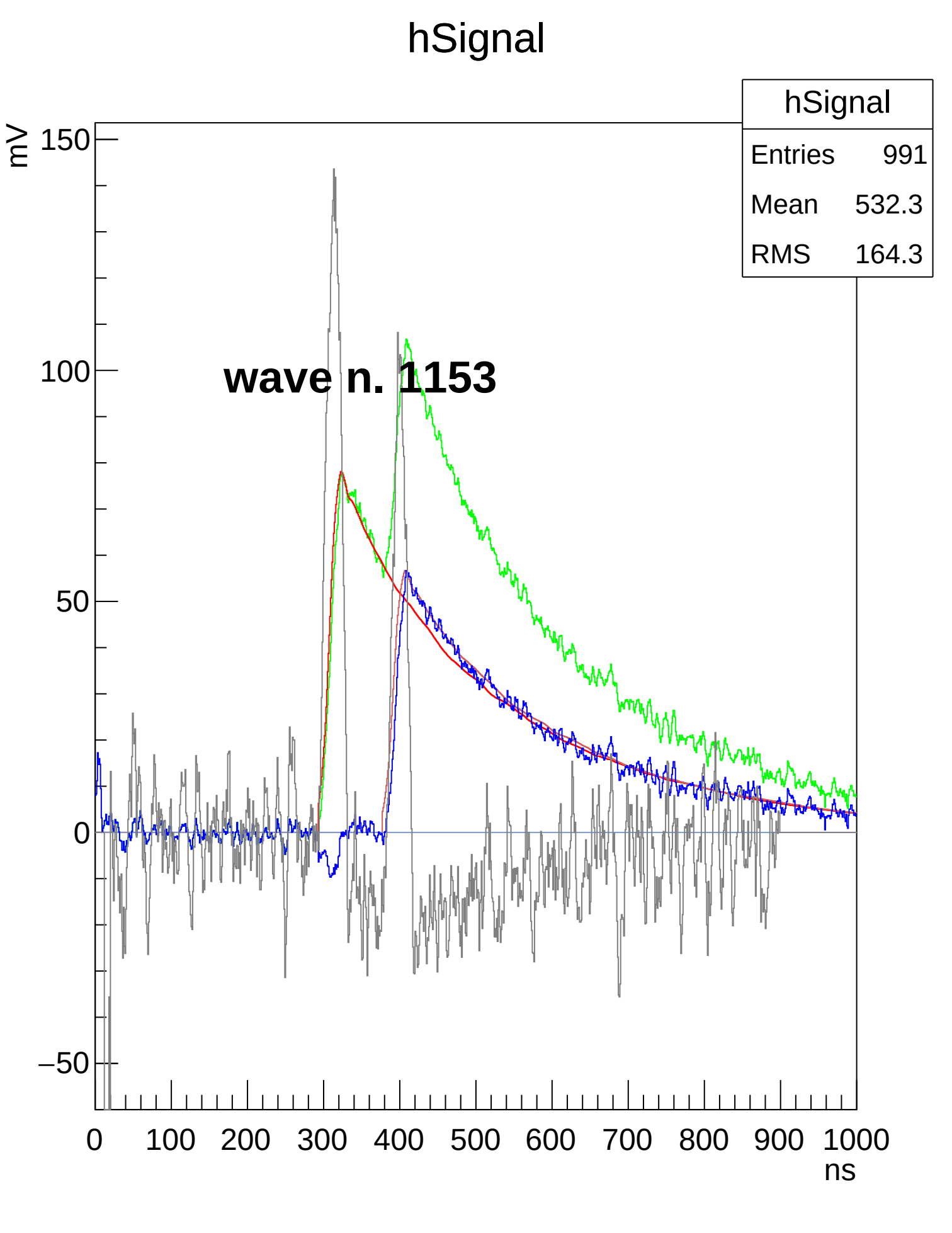

hSignal
hSignal
Entries 991
Mean 449.6
RMS 181.1
wave n. 1148
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

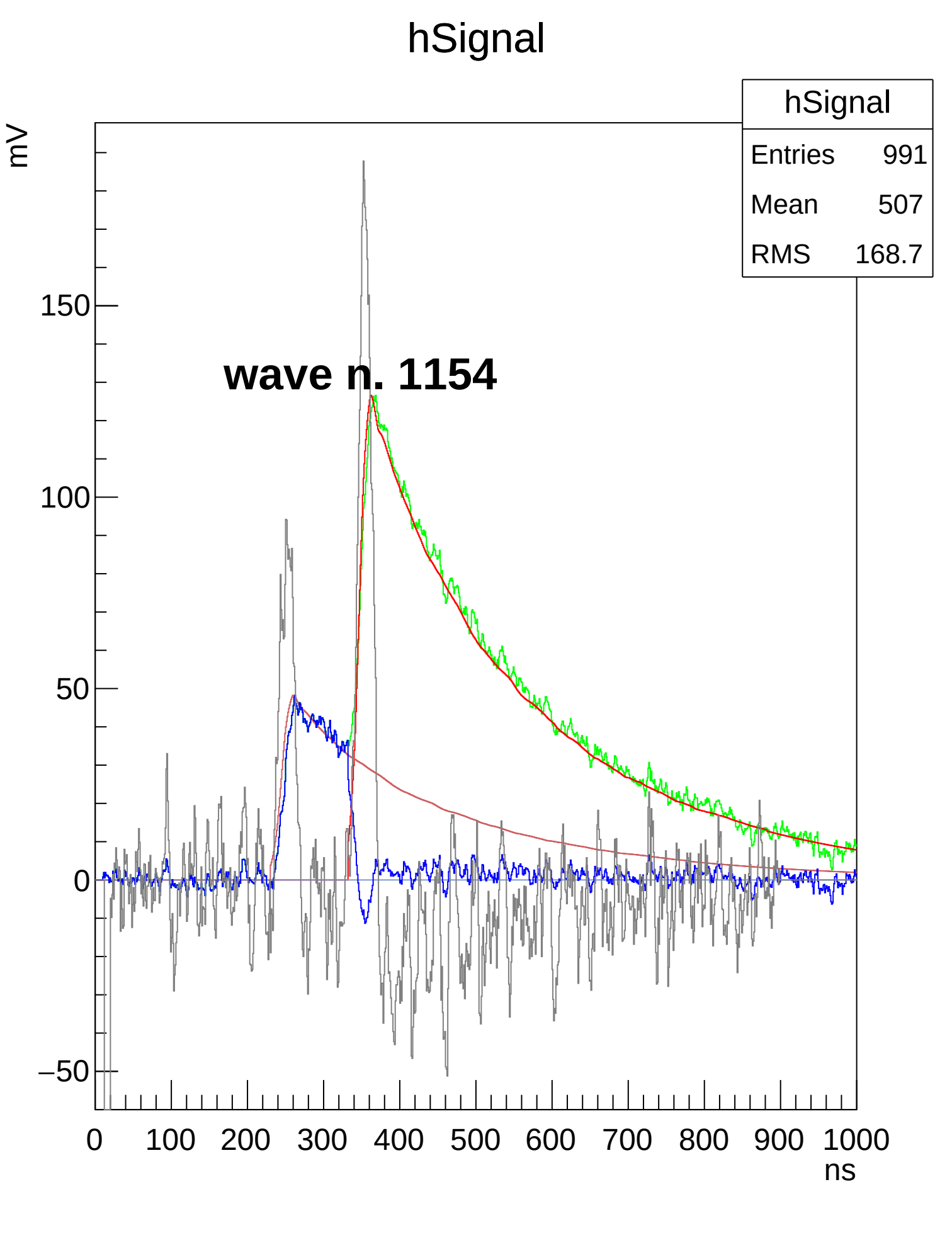

hSignal
hSignal
Entries 991
Mean 541.7
RMS 162.3
wave n. 1149
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

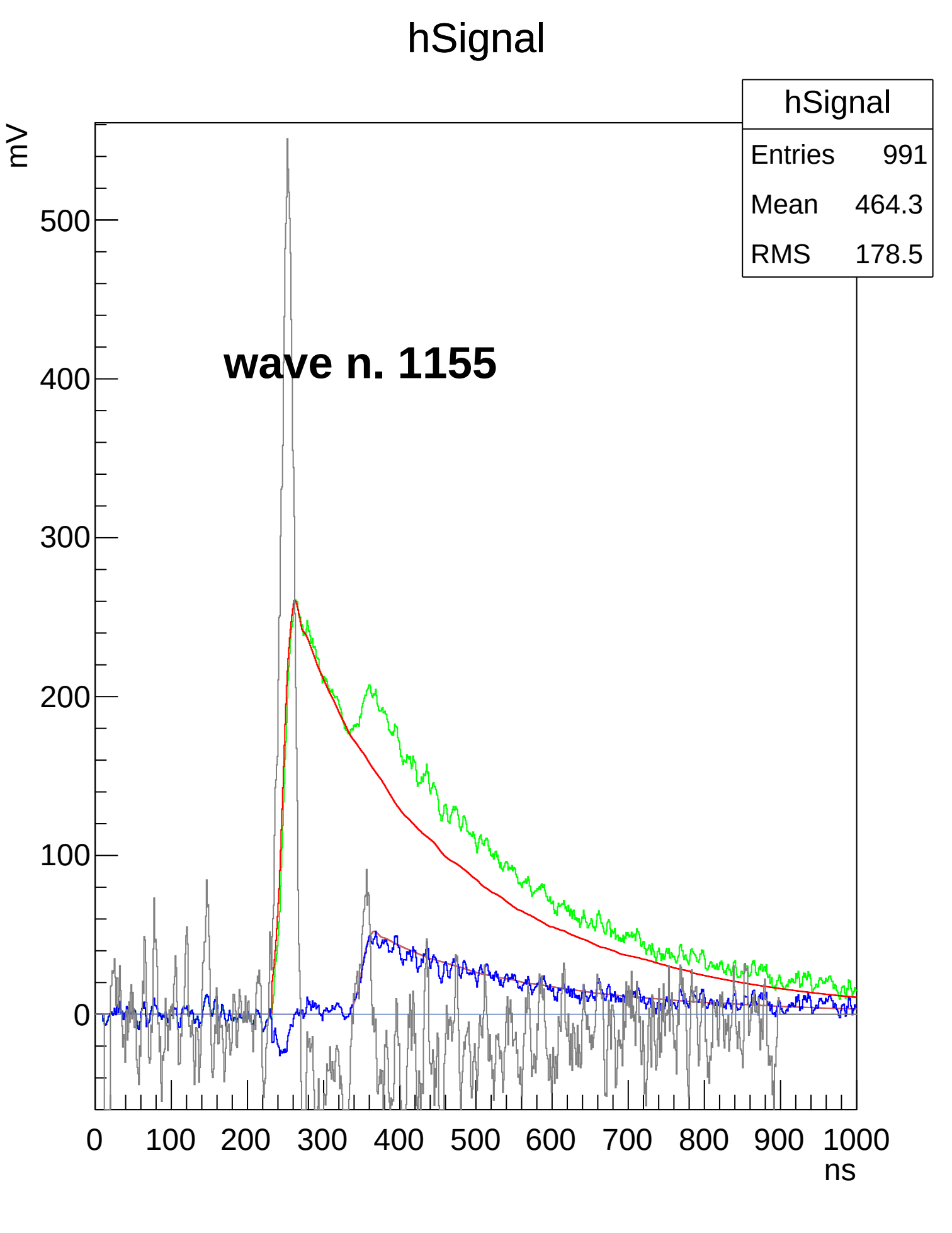

hSignal
hSignal
Entries 991
Mean 515.6
RMS 166.3
wave n. 1150
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

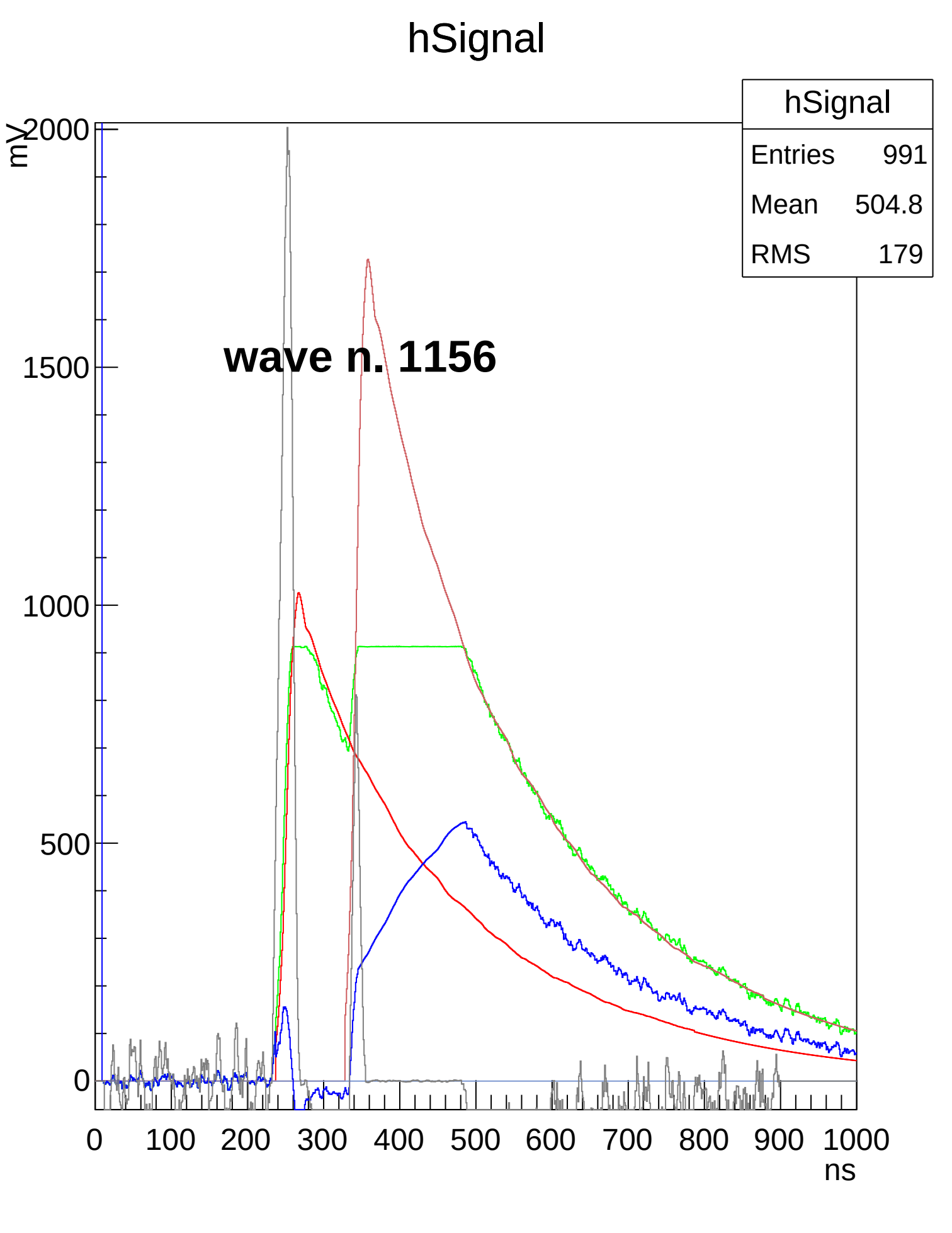

hSignal
hSignal
Entries 991
Mean 557.4
RMS 169.2
wave n. 1151
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

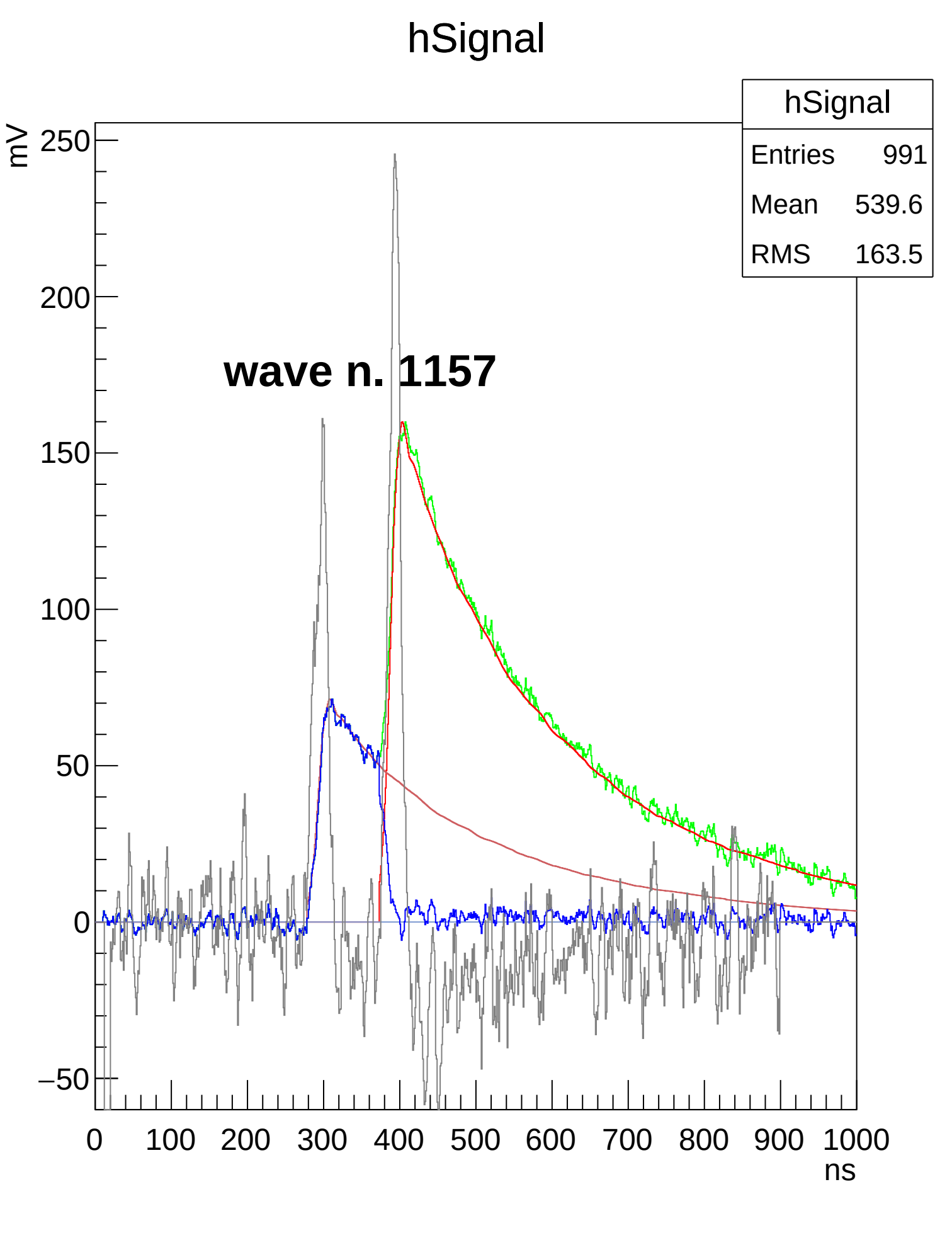

hSignal
hSignal
Entries 991
Mean 534.1
RMS 163.4
wave n. 1152
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

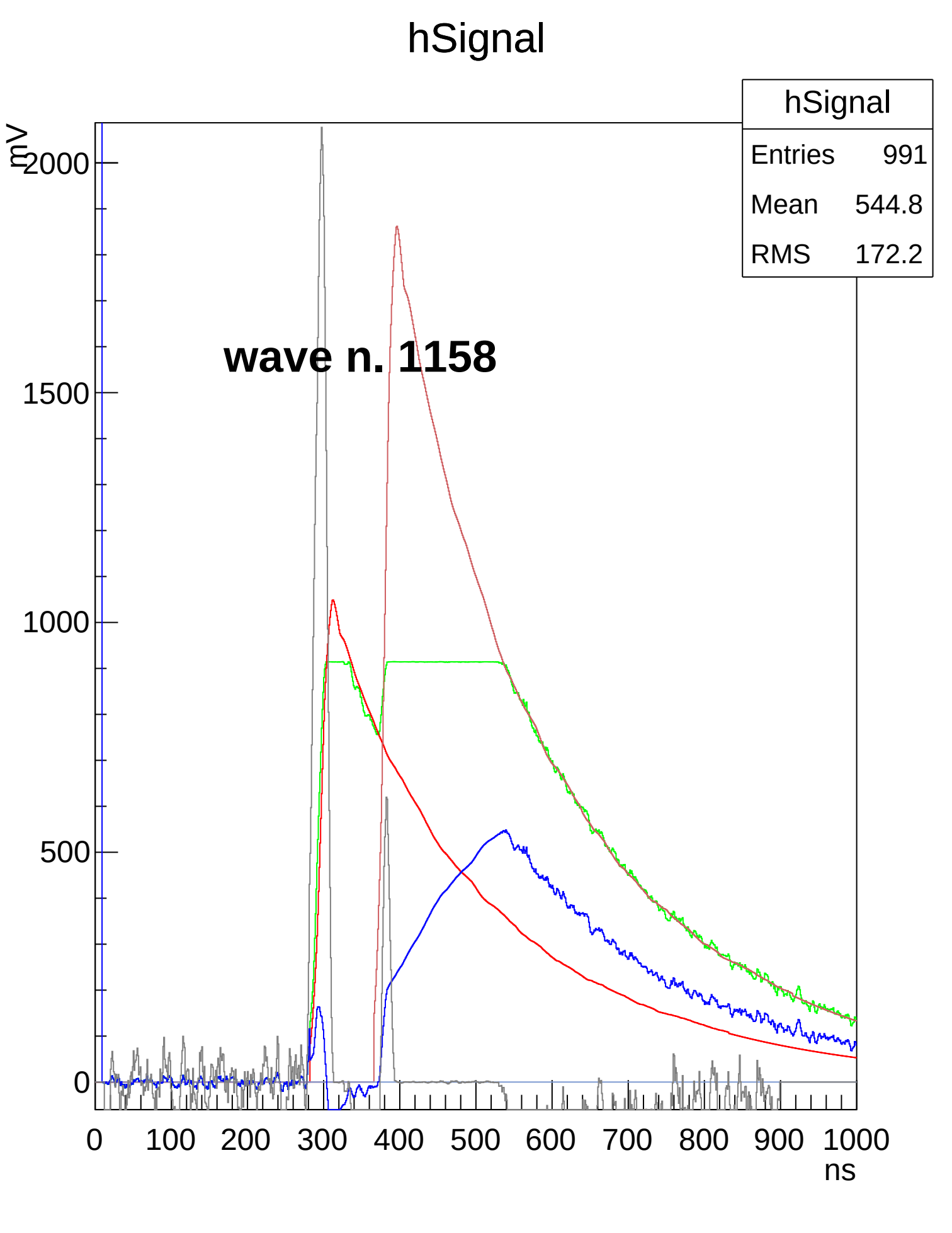

hSignal
hSignal
Entries 991
Mean 532.3
RMS 164.3
wave n. 1153
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

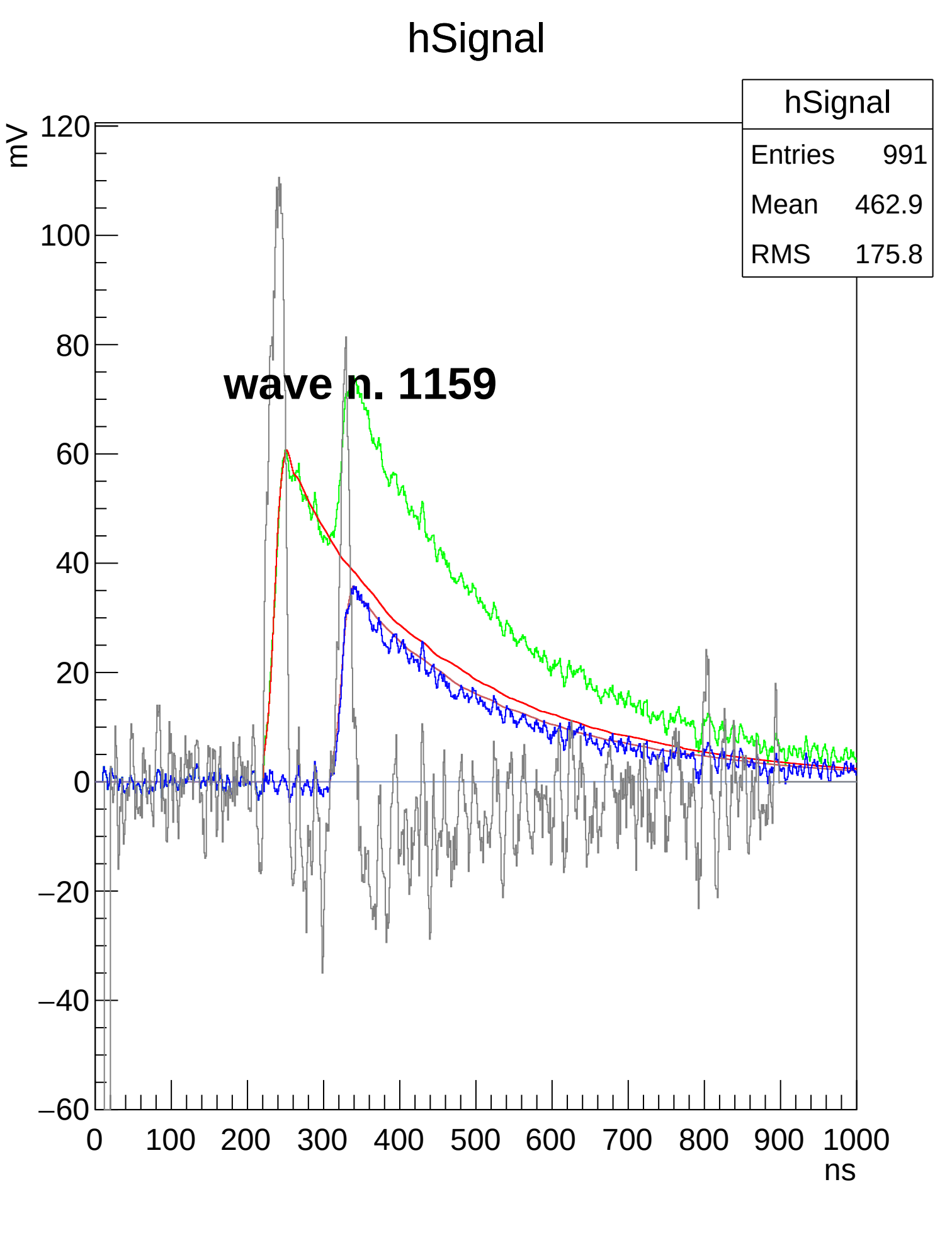

hSignal
hSignal
Entries 991
Mean 507
RMS 168.7
wave n. 1154
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

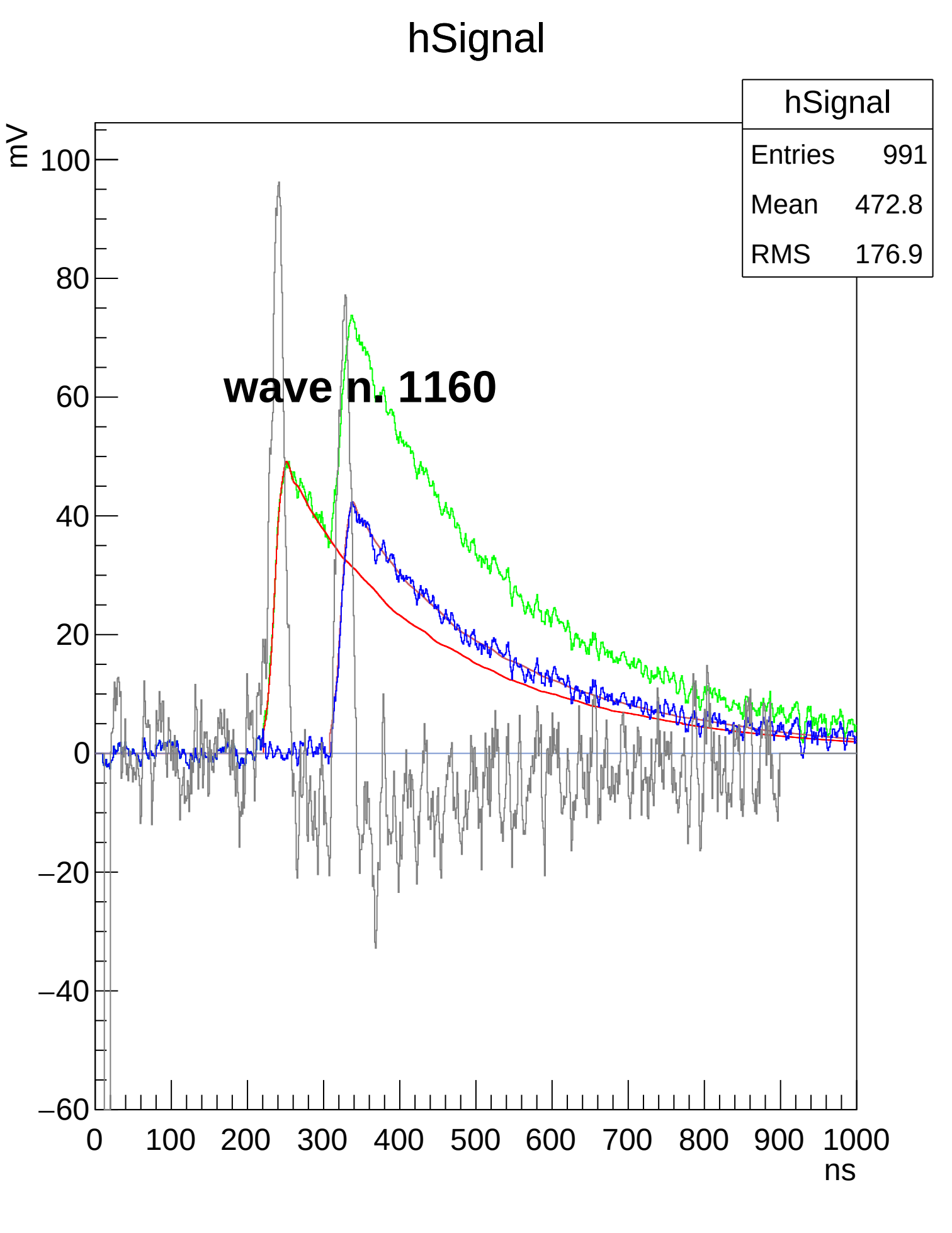

hSignal
hSignal
Entries 991
Mean 464.3
RMS 178.5
wave n. 1155
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

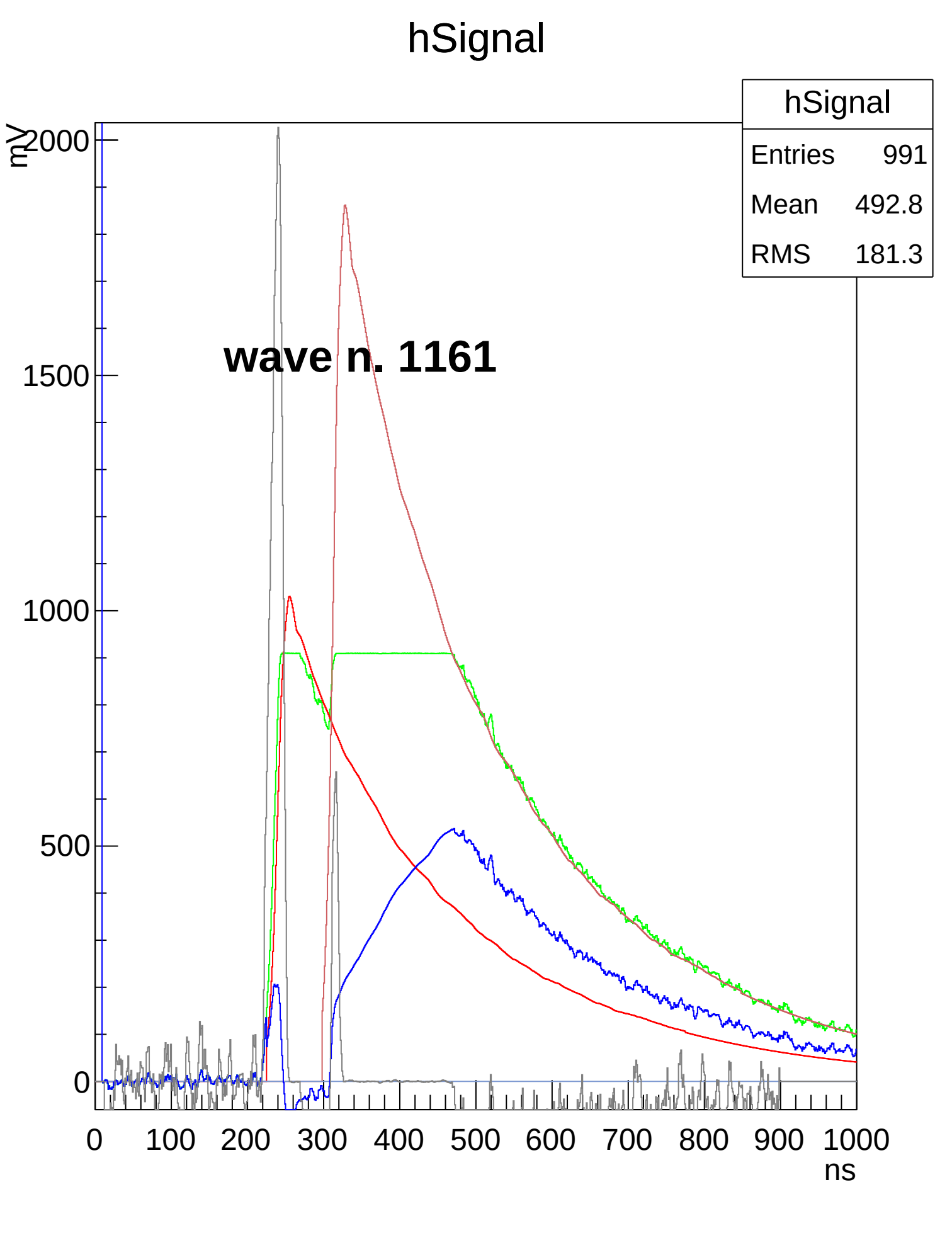

hSignal
hSignal
Entries 991
Mean 504.8
RMS 179
wave n. 1156
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

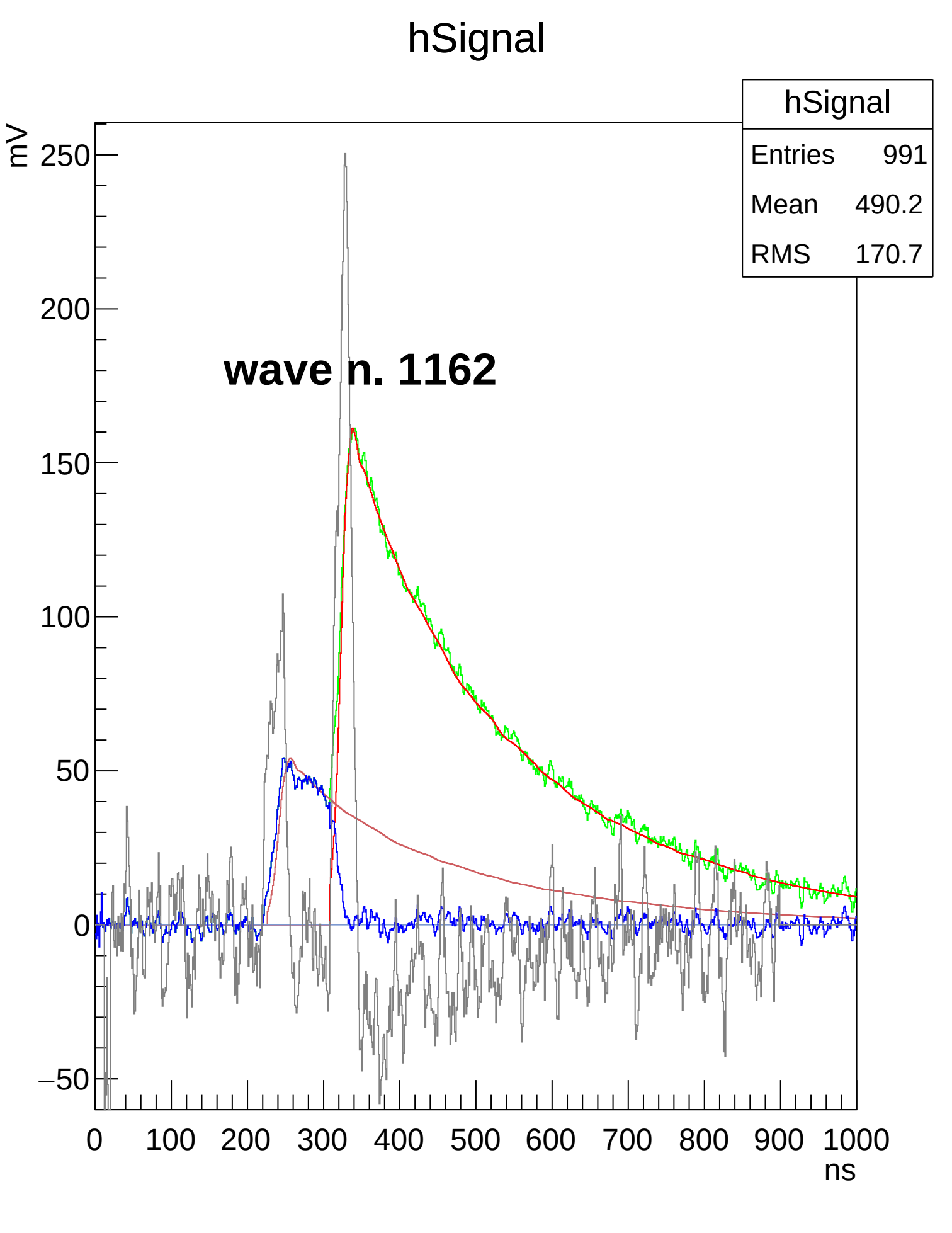

hSignal
hSignal
Entries 991
Mean 539.6
RMS 163.5
wave n. 1157
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

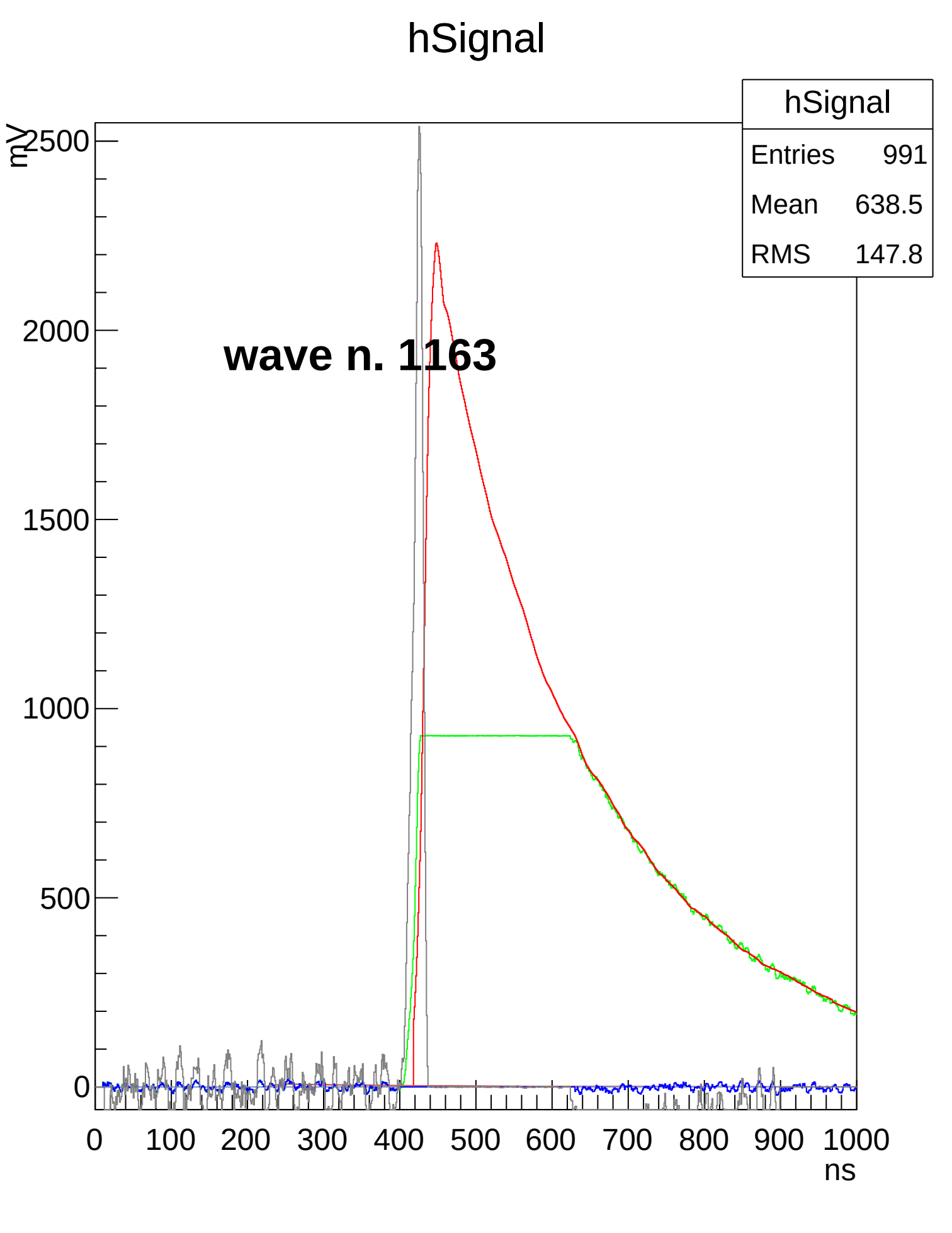

hSignal
hSignal
Entries 991
Mean 544.8
RMS 172.2
wave n. 1158
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

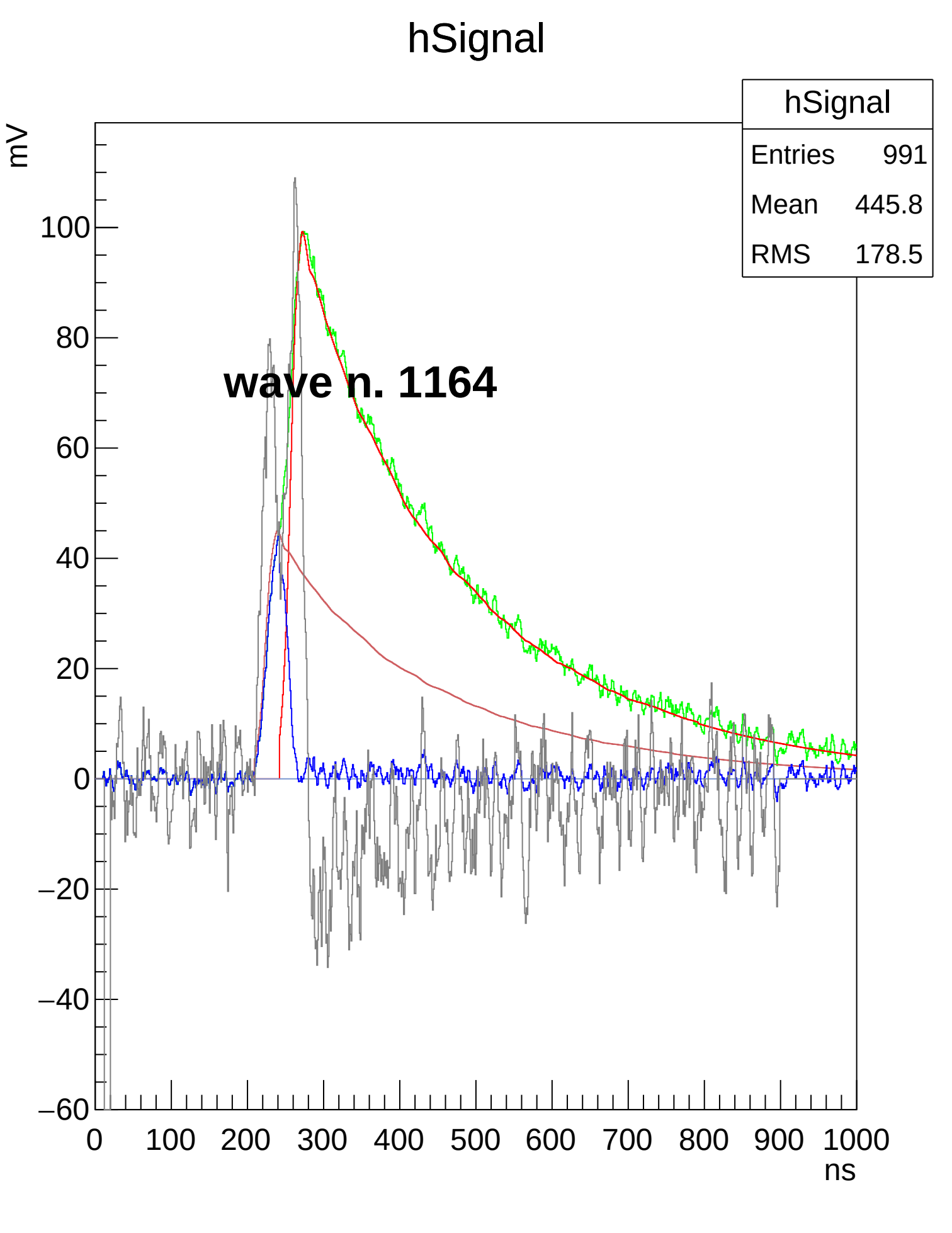

hSignal
hSignal
Entries 991
Mean 462.9
RMS 175.8
wave n. 1159
mV
120
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

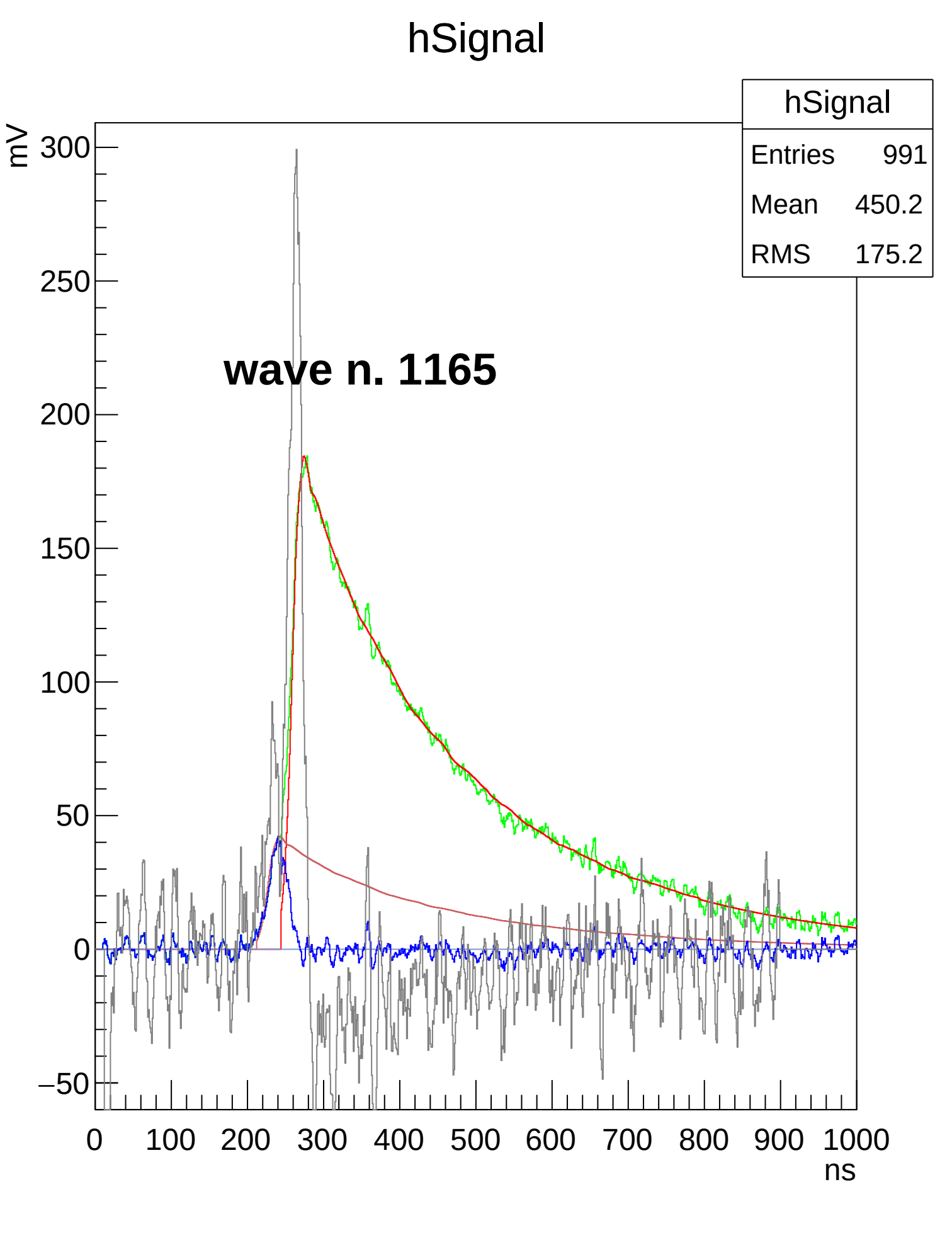

hSignal
hSignal
Entries 991
Mean 472.8
RMS 176.9
wave n. 1160
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

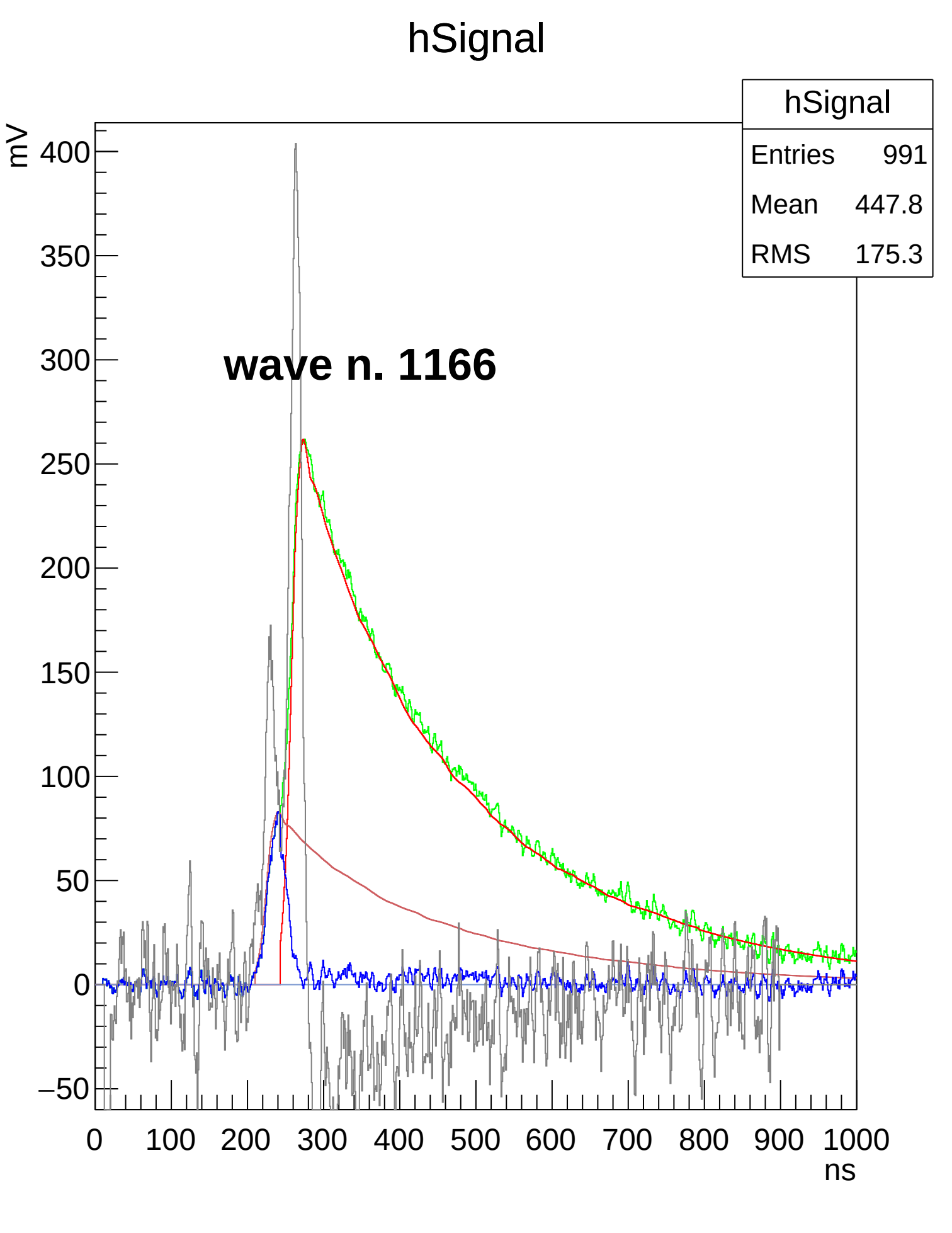

hSignal
hSignal
Entries 991
Mean 492.8
RMS 181.3
wave n. 1161
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

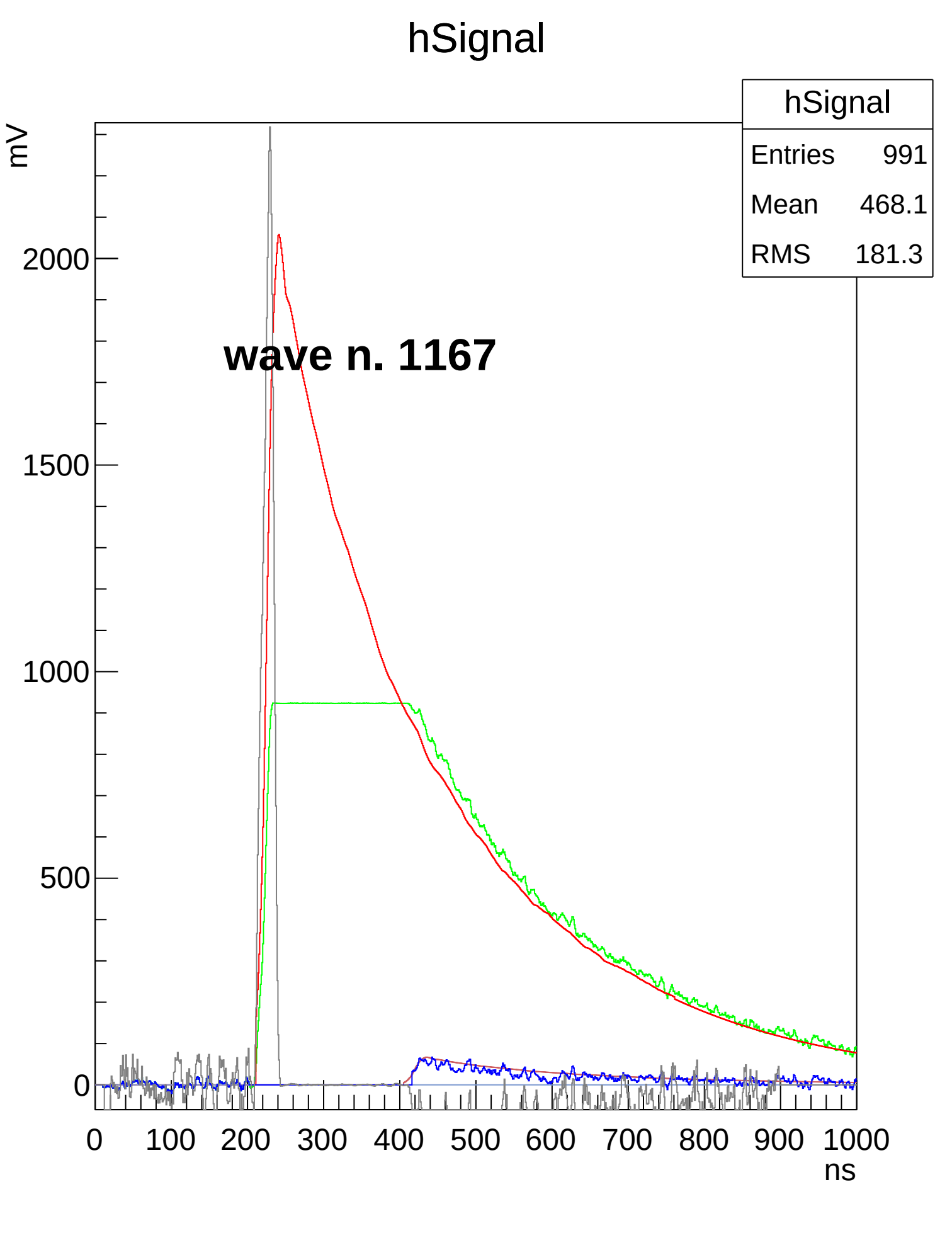

hSignal
hSignal
Entries 991
Mean 490.2
RMS 170.7
wave n. 1162
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

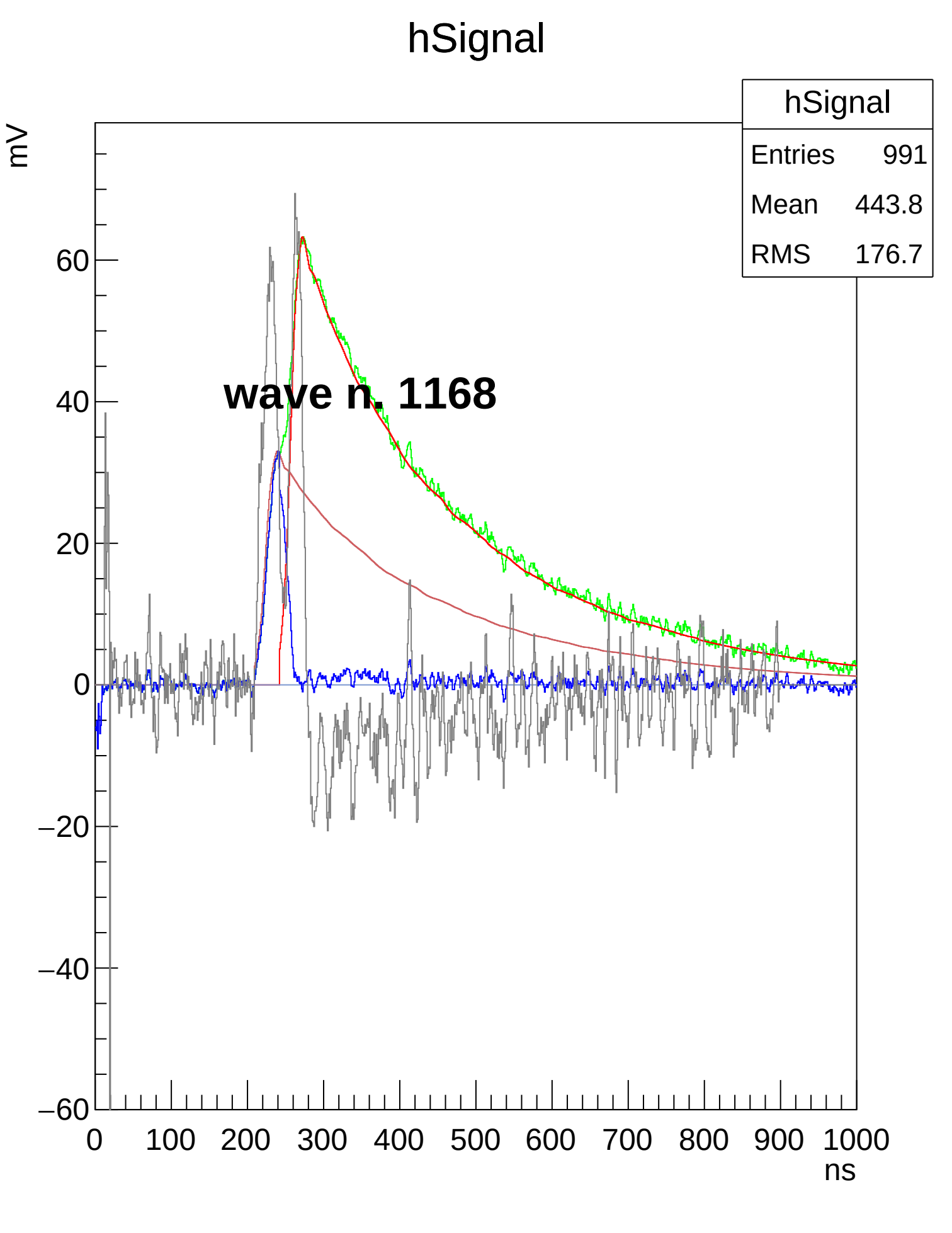

hSignal
hSignal
Entries 991
Mean 638.5
RMS 147.8
wave n. 1163
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

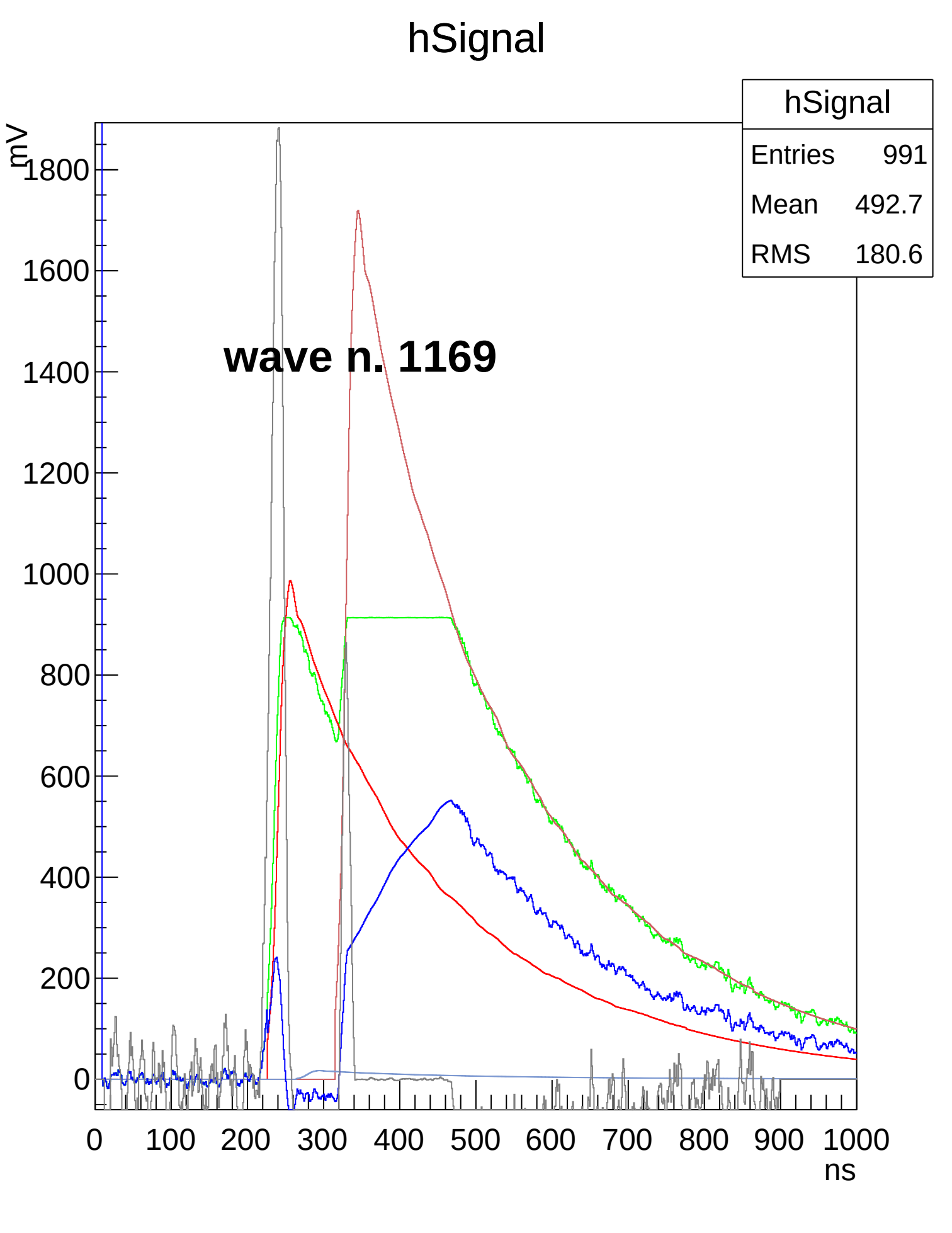

hSignal
hSignal
Entries 991
Mean 445.8
RMS 178.5
wave n. 1164
mV
100
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

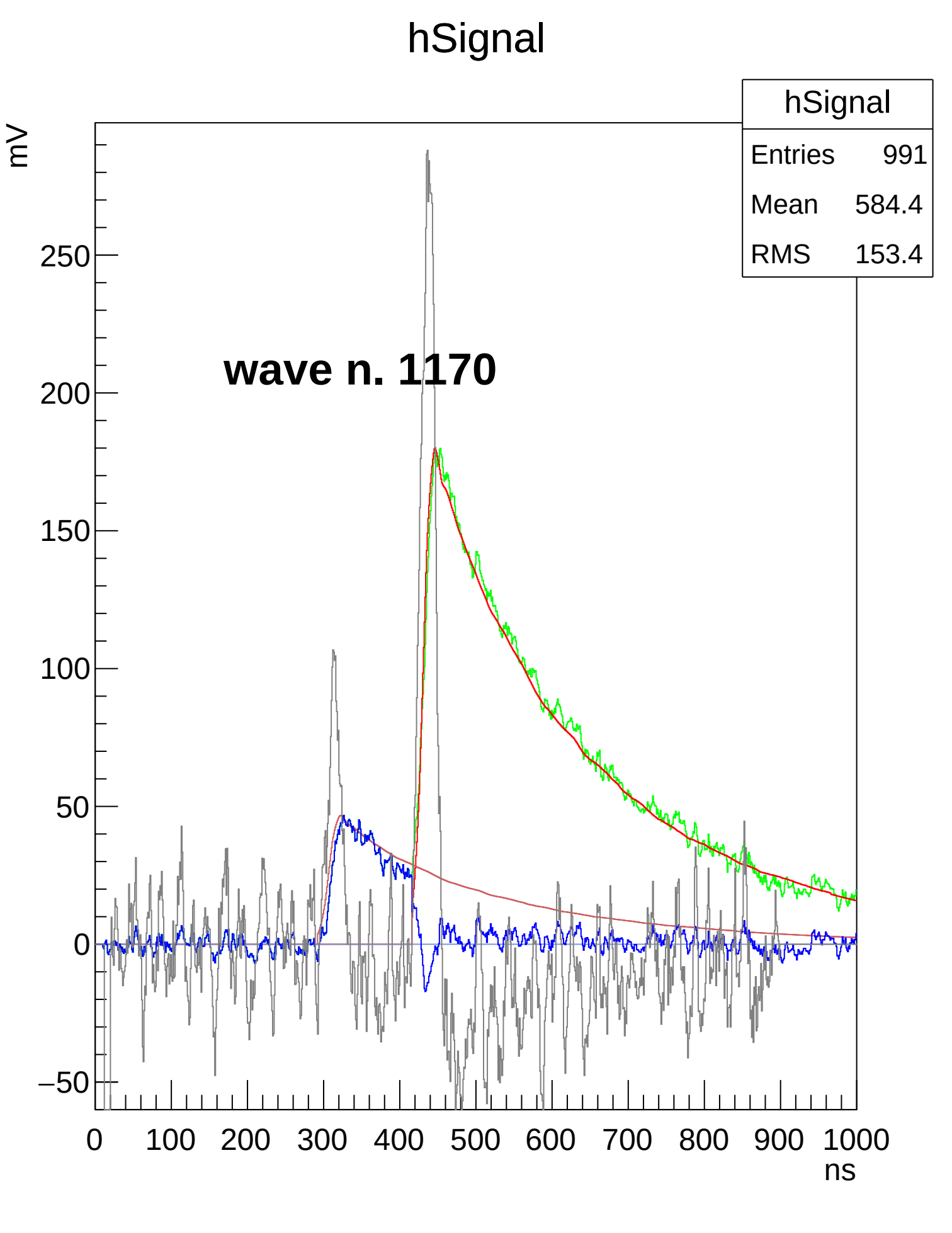

hSignal
hSignal
Entries 991
Mean 450.2
RMS 175.2
wave n. 1165
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

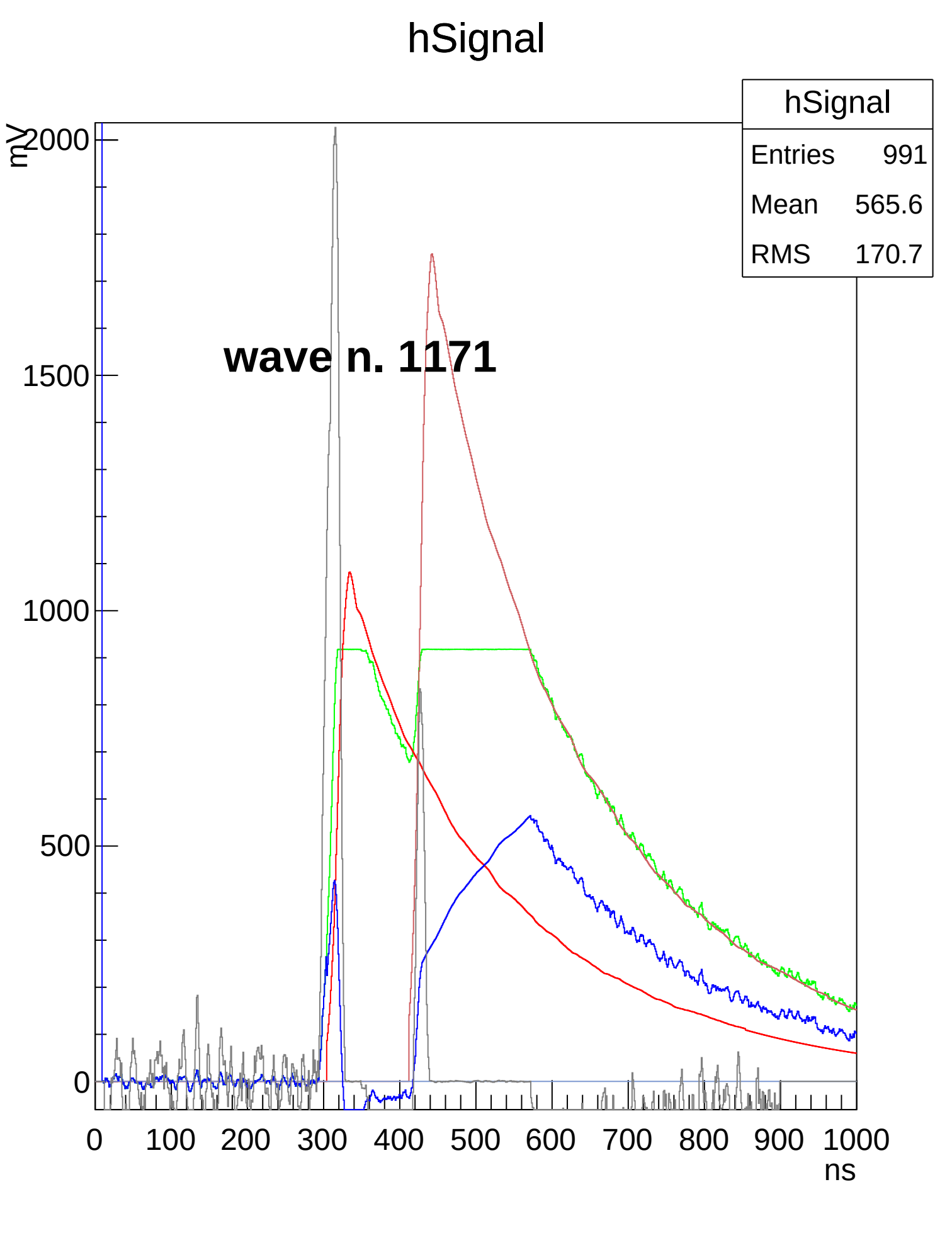

hSignal
hSignal
Entries 991
Mean 447.8
RMS 175.3
wave n. 1166
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

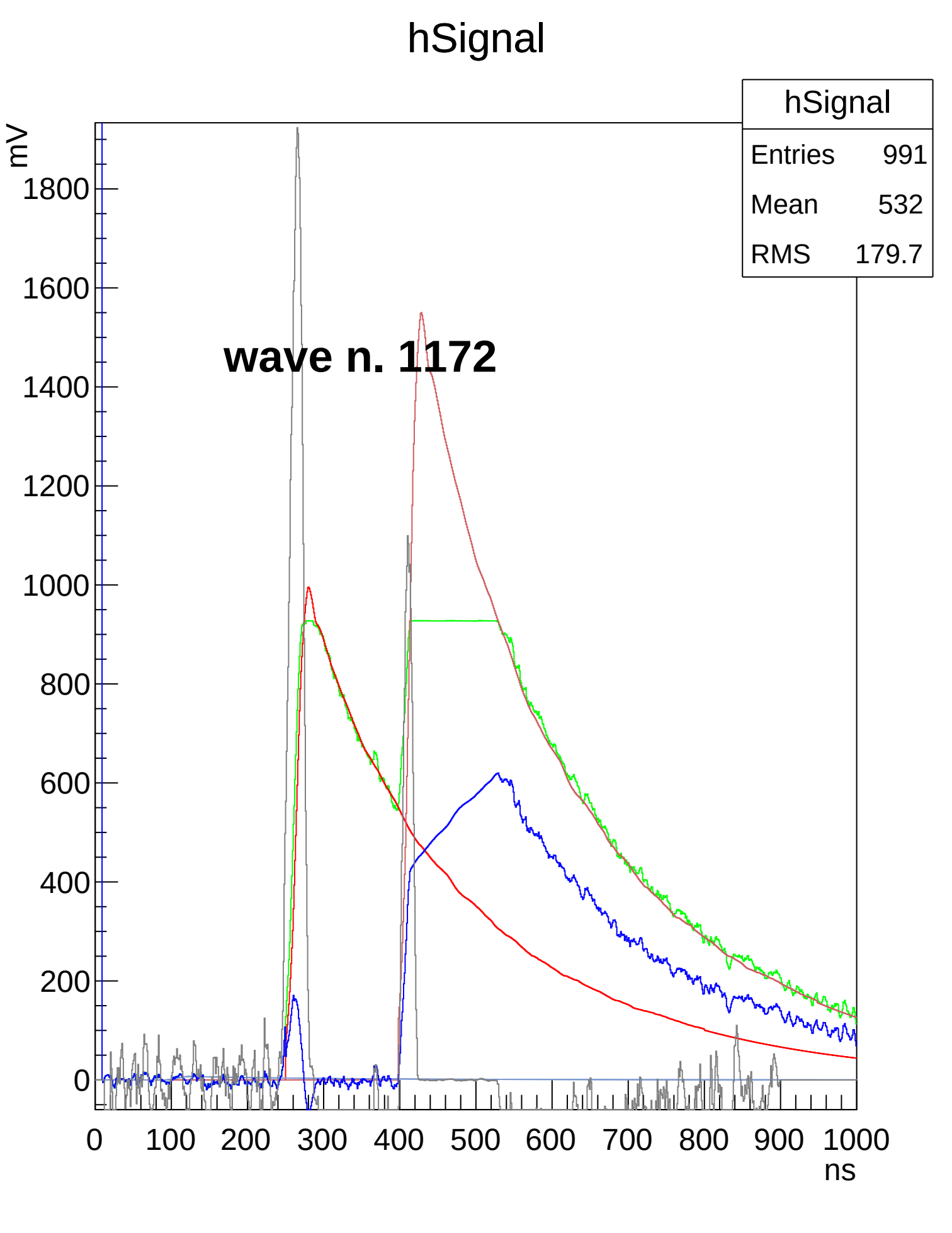

hSignal
hSignal
Entries 991
Mean 468.1
RMS 181.3
wave n. 1167
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

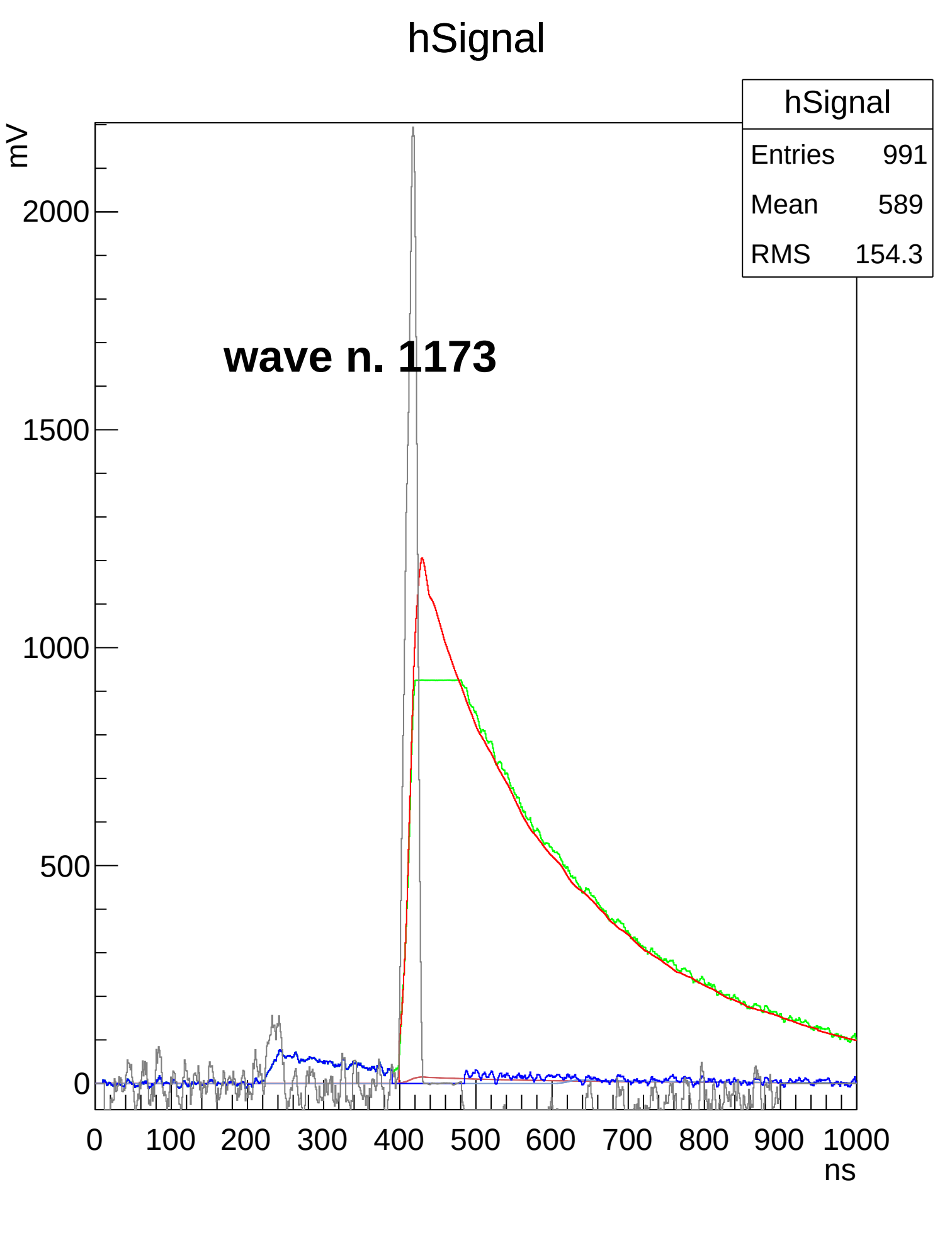

hSignal
hSignal
Entries 991
Mean 443.8
RMS 176.7
wave n. 1168
mV
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

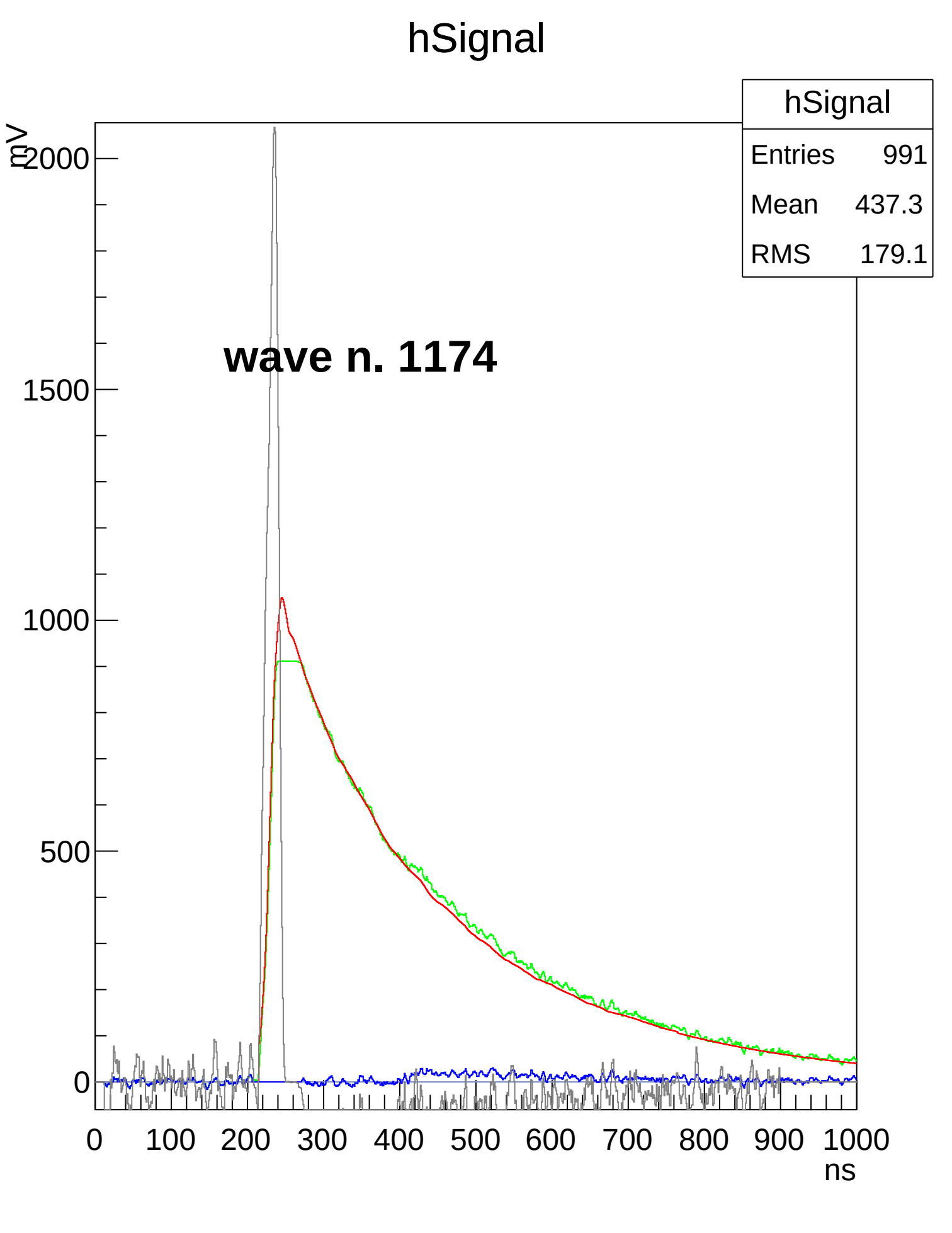

hSignal
hSignal
Entries 991
Mean 492.7
RMS 180.6
wave n. 1169
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

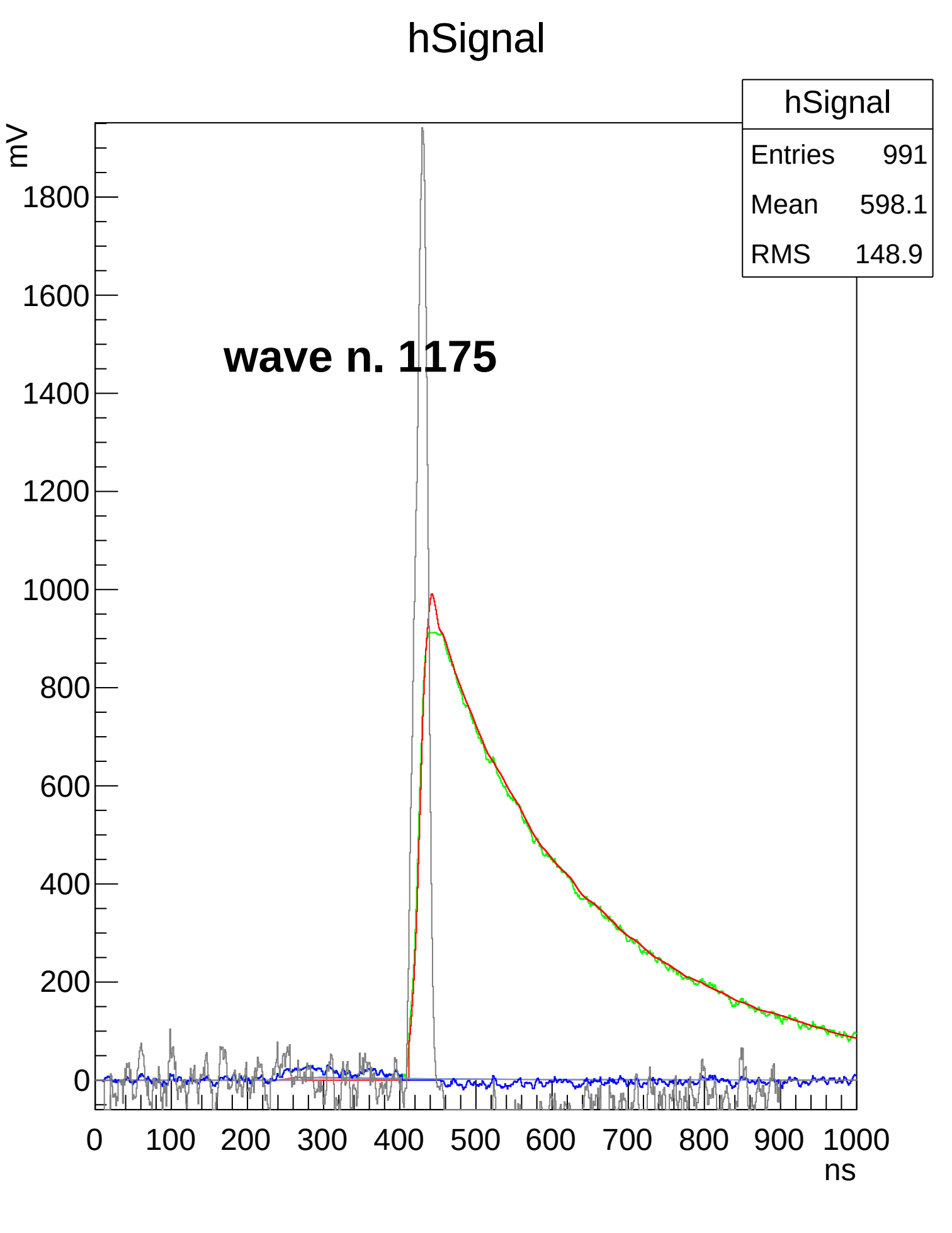

hSignal
hSignal
Entries 991
Mean 584.4
RMS 153.4
wave n. 1170
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

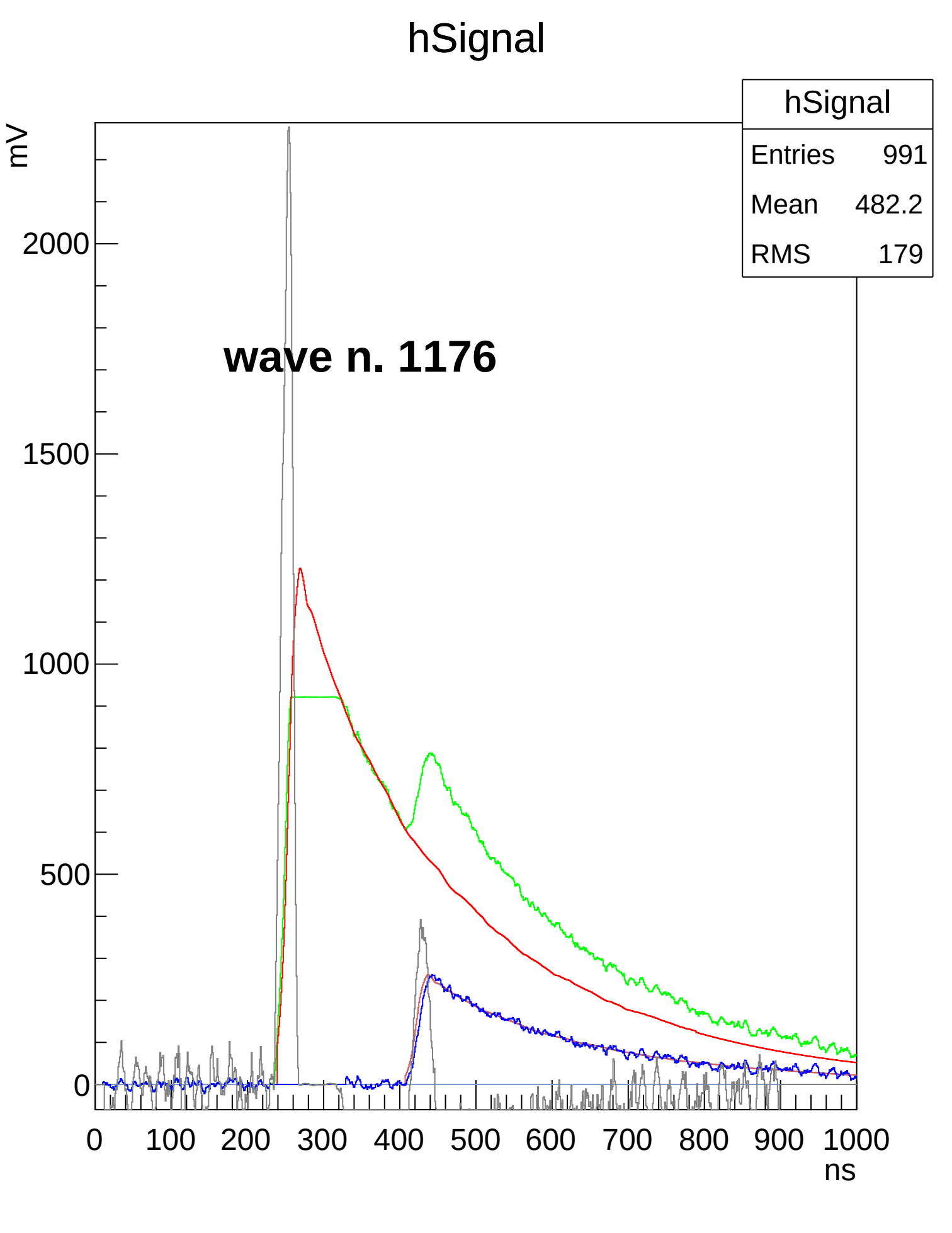

hSignal
hSignal
Entries 991
Mean 565.6
RMS 170.7
wave n. 1171
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

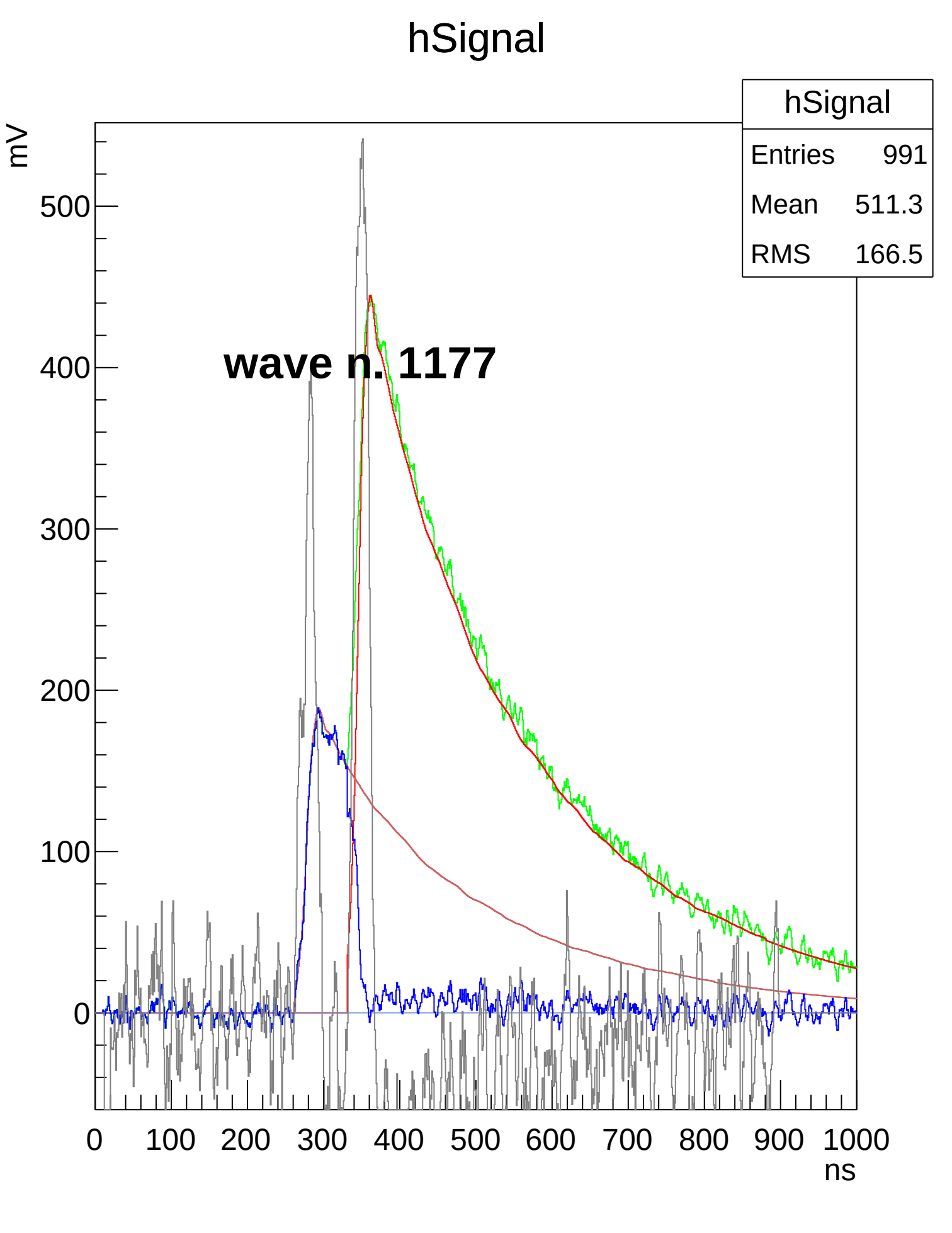

hSignal
hSignal
Entries 991
Mean 532
RMS 179.7
wave n. 1172
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800 900 1000
ns

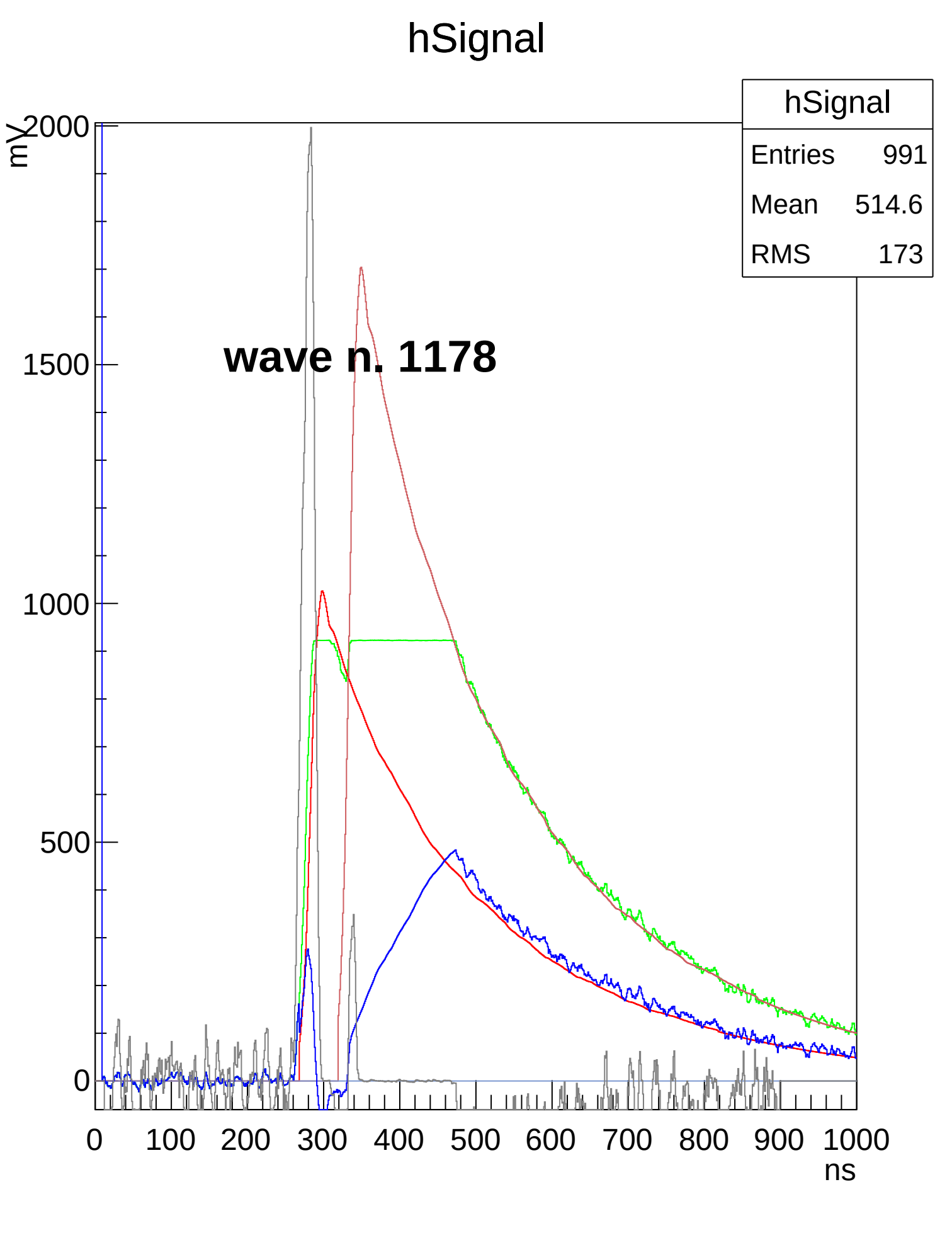

hSignal
hSignal
Entries 991
Mean 589
RMS 154.3
wave n. 1173
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

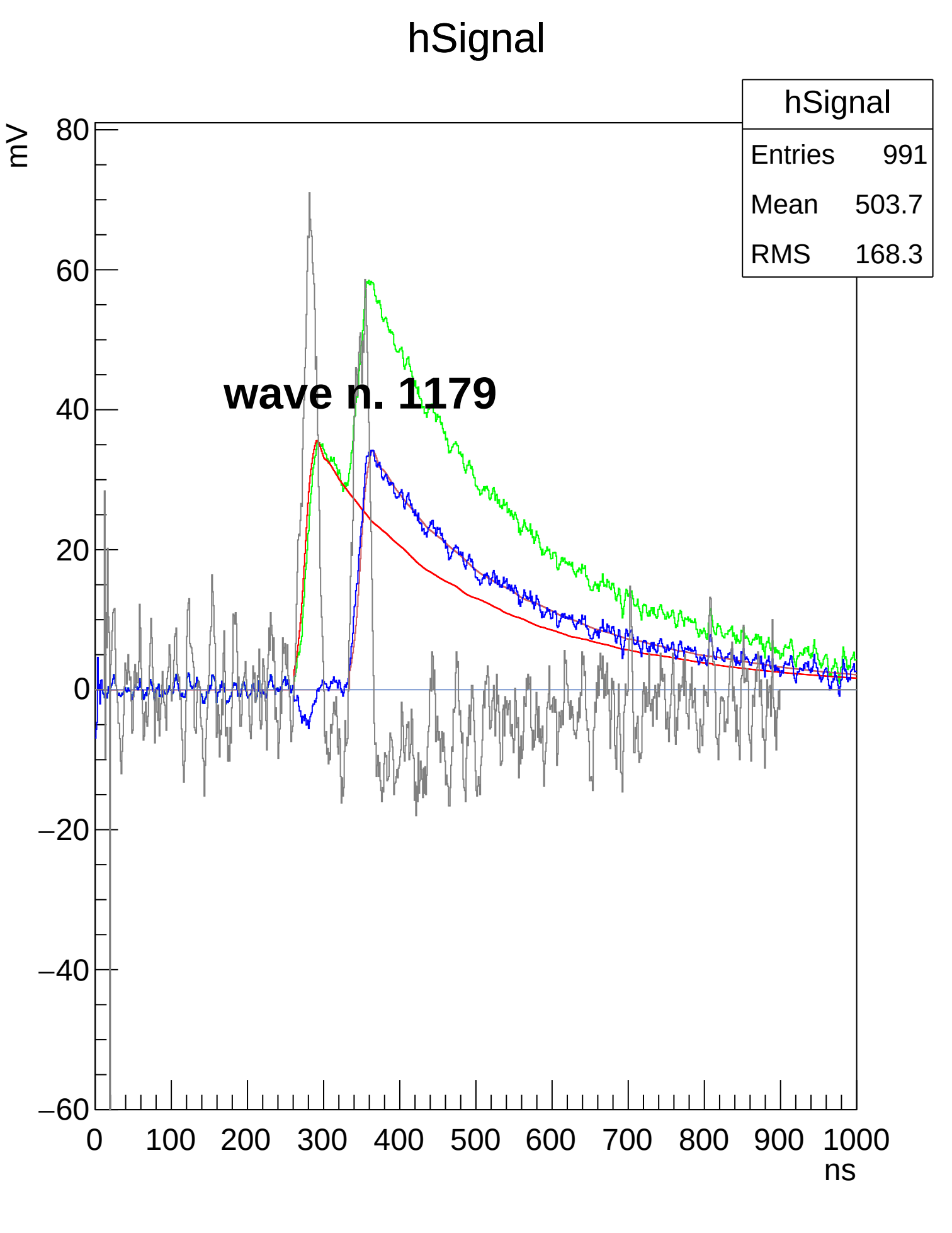

hSignal
hSignal
Entries 991
Mean 437.3
RMS 179.1
wave n. 1174
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

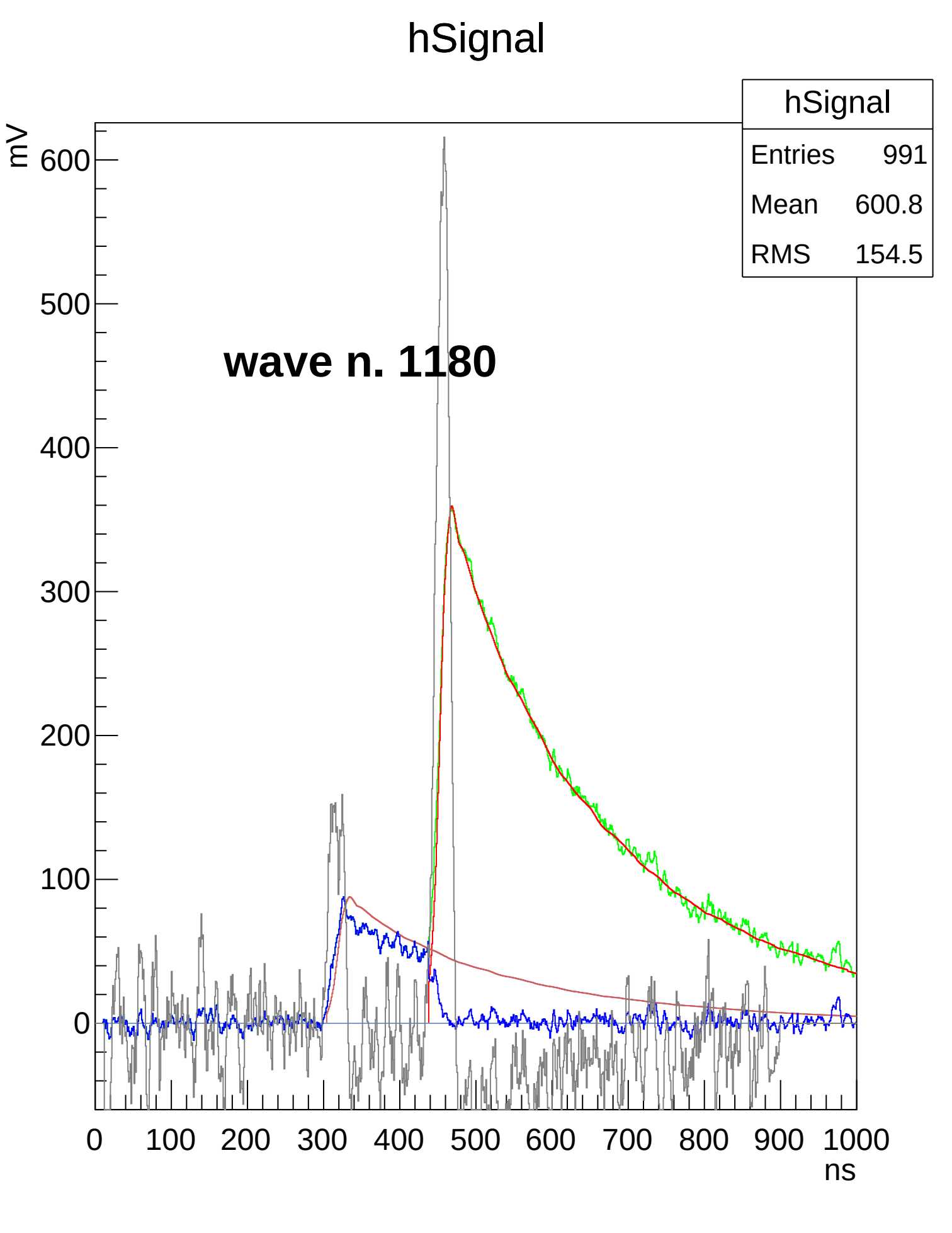

hSignal
hSignal
Entries 991
Mean 598.1
RMS 148.9
wave n. 1175
mV
1800
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000
ns

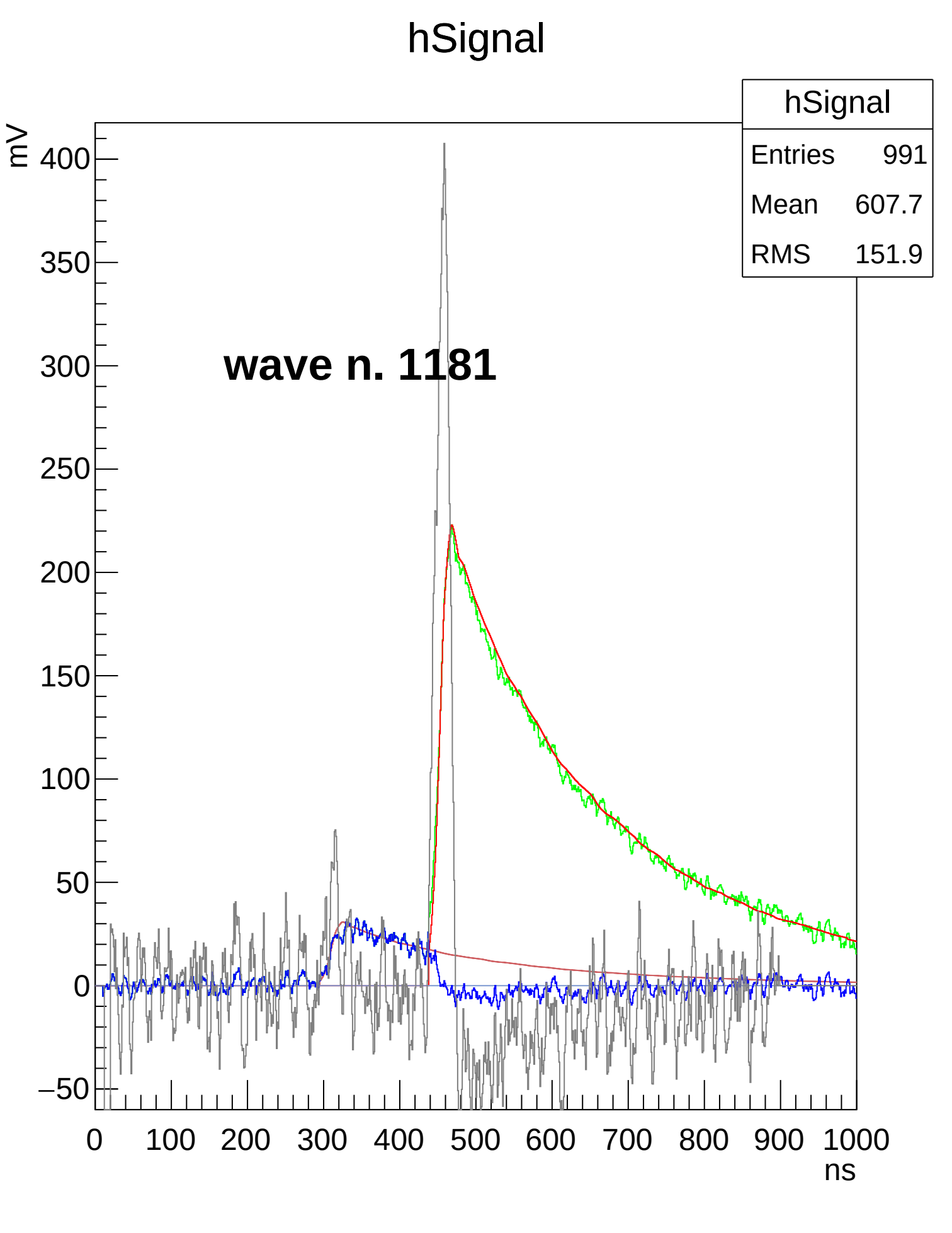

hSignal
hSignal
Entries 991
Mean 482.2
RMS 179
wave n. 1176
mV
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800 900 1000
ns

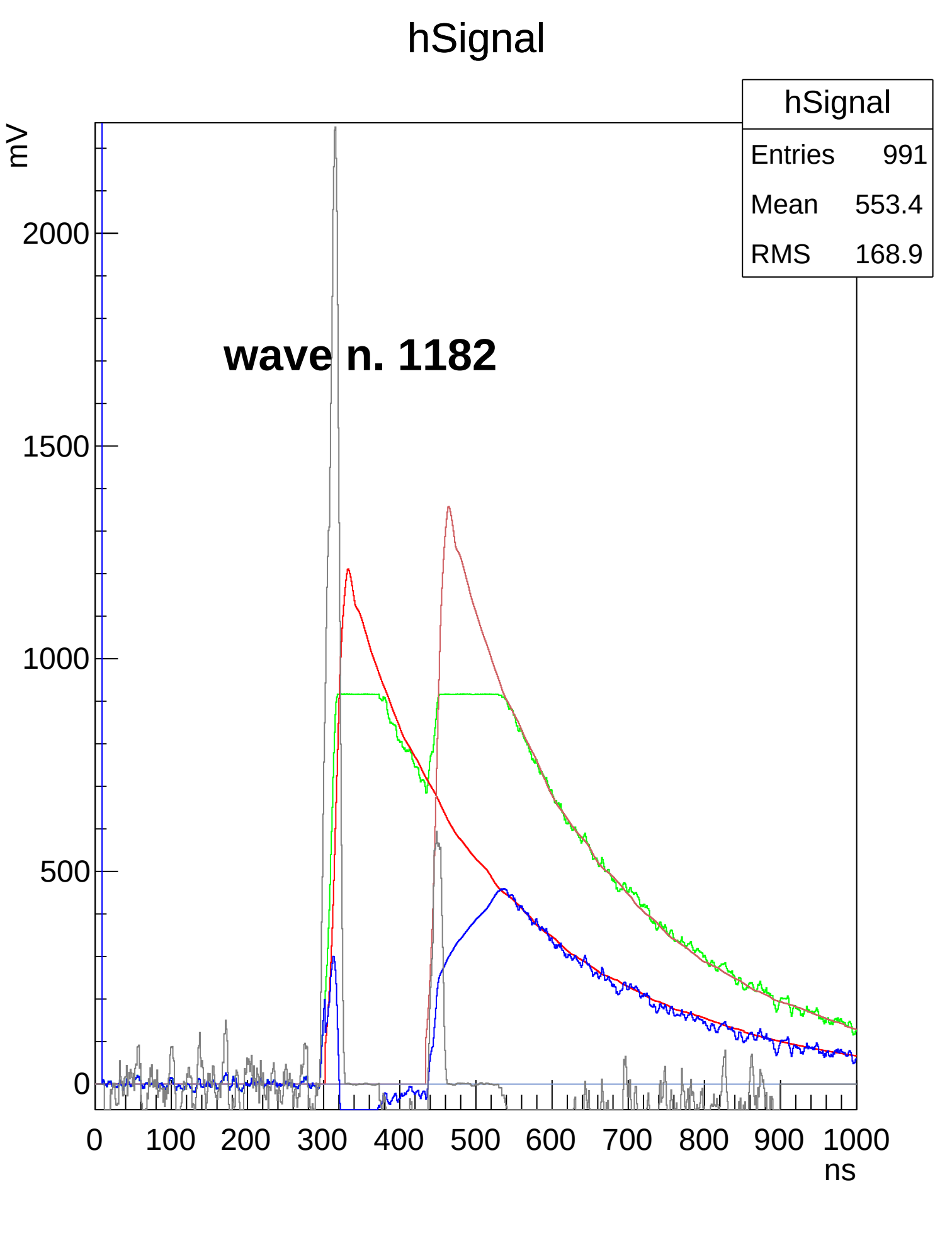

hSignal
hSignal
Entries 991
Mean 511.3
RMS 166.5
wave n. 1177
mV
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

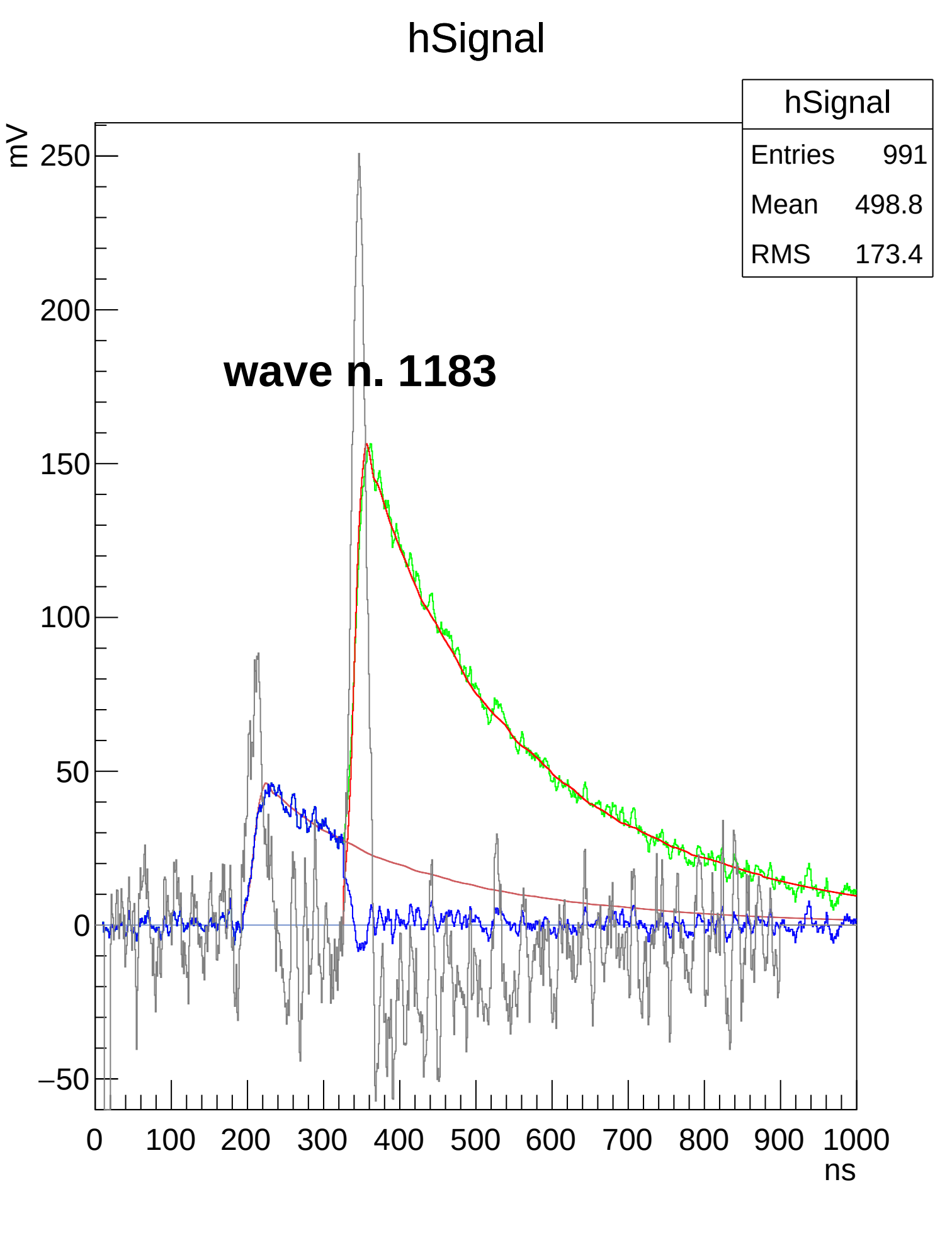

hSignal
hSignal
Entries 991
Mean 514.6
RMS 173
wave n. 1178
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

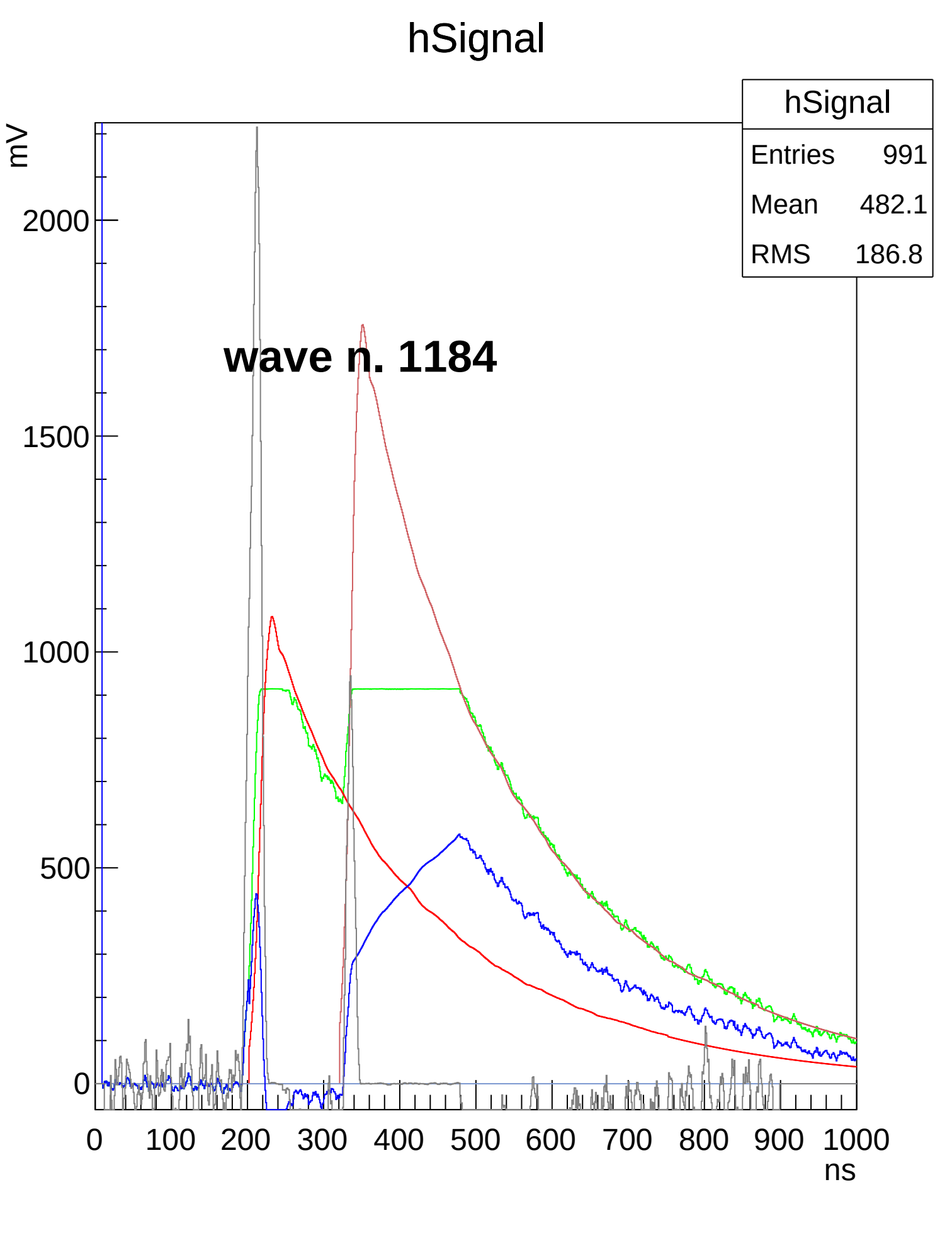

hSignal
hSignal
Entries 991
Mean 503.7
RMS 168.3
wave n. 1179
mV
80
60
40
20
0
−20
−40
−60
0
100
200
300
400
500
600
700
800
900
1000
ns

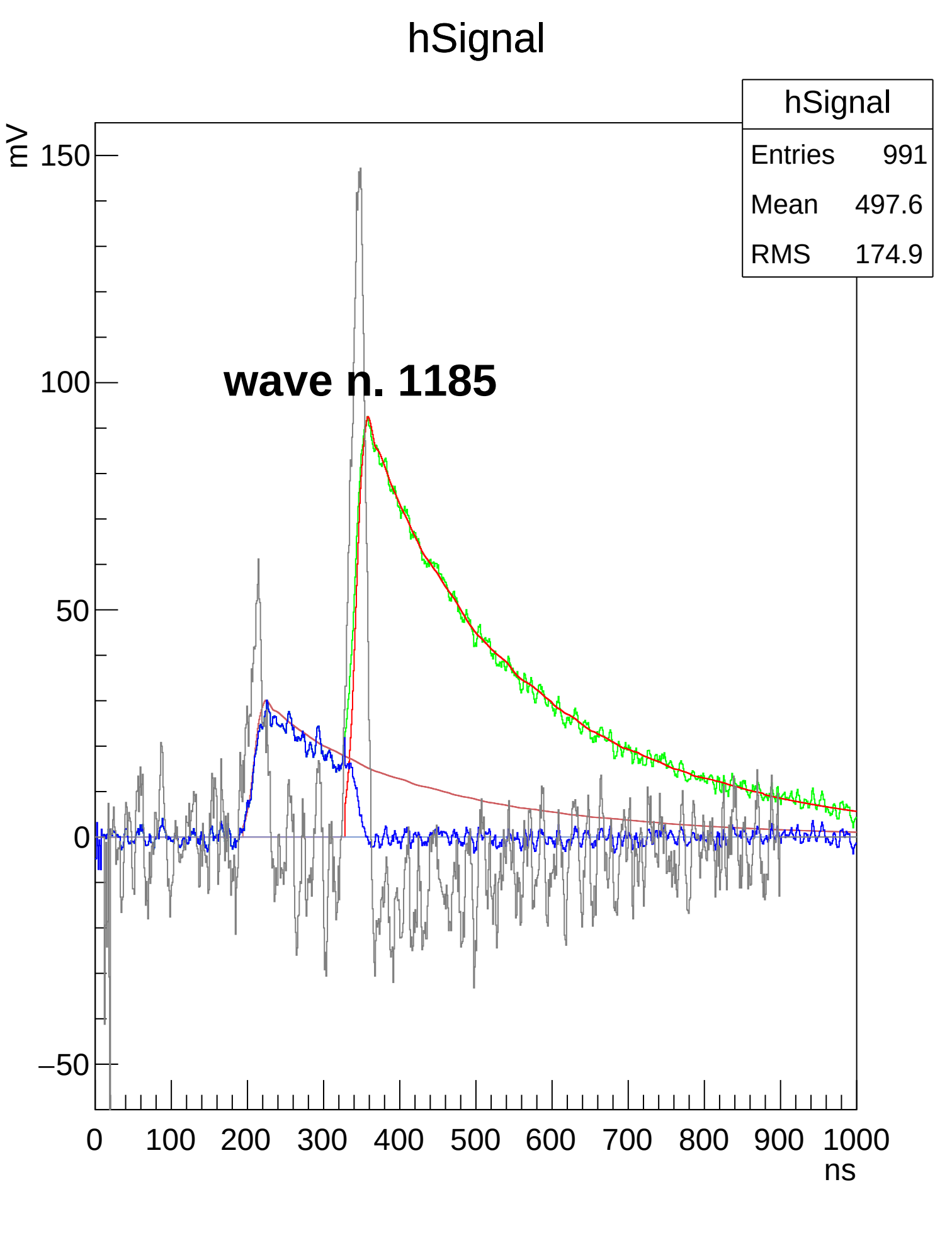

hSignal
hSignal
Entries 991
Mean 600.8
RMS 154.5
wave n. 1180
mV
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
ns

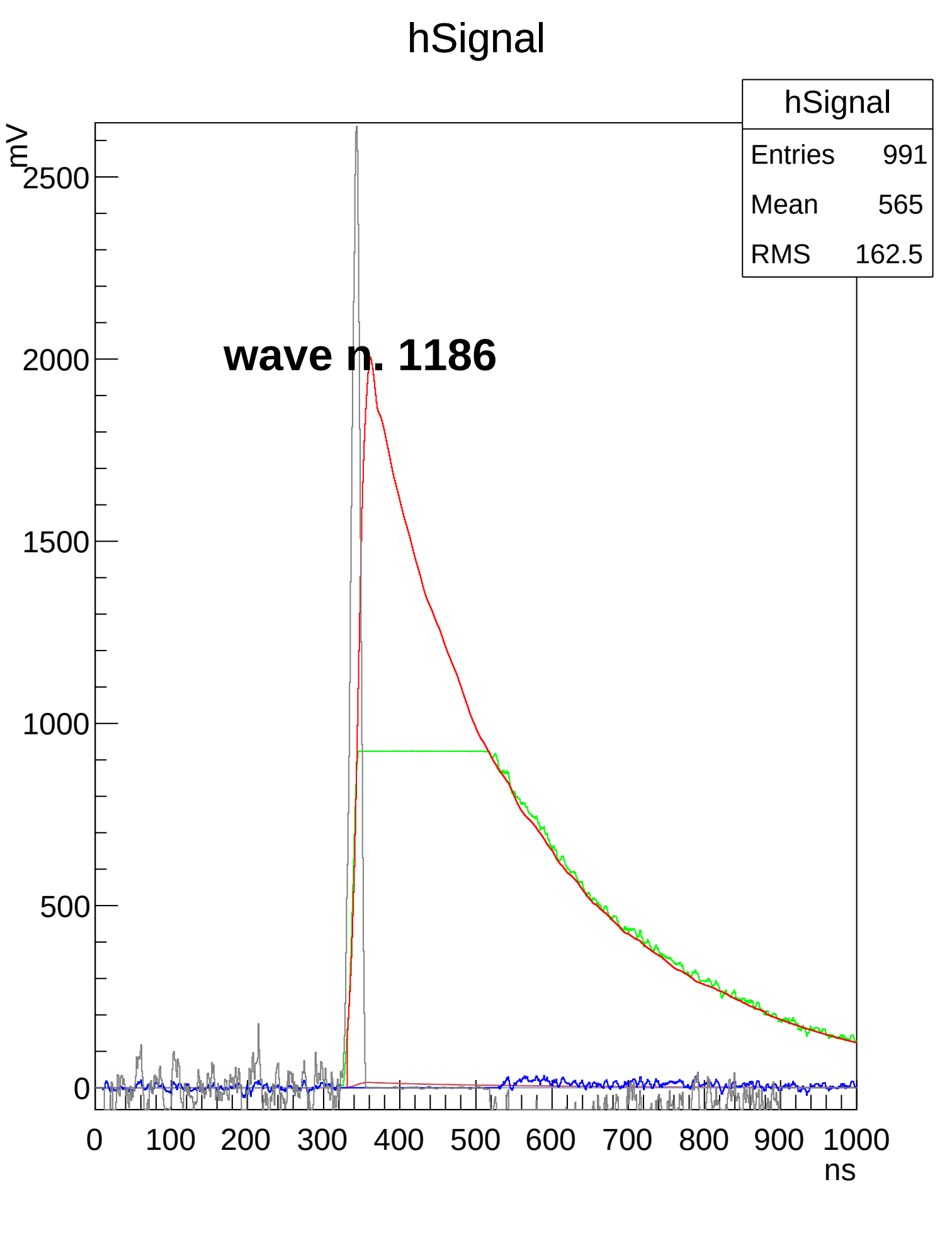

hSignal
hSignal
Entries 991
Mean 607.7
RMS 151.9
wave n. 1181
mV
400
350
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

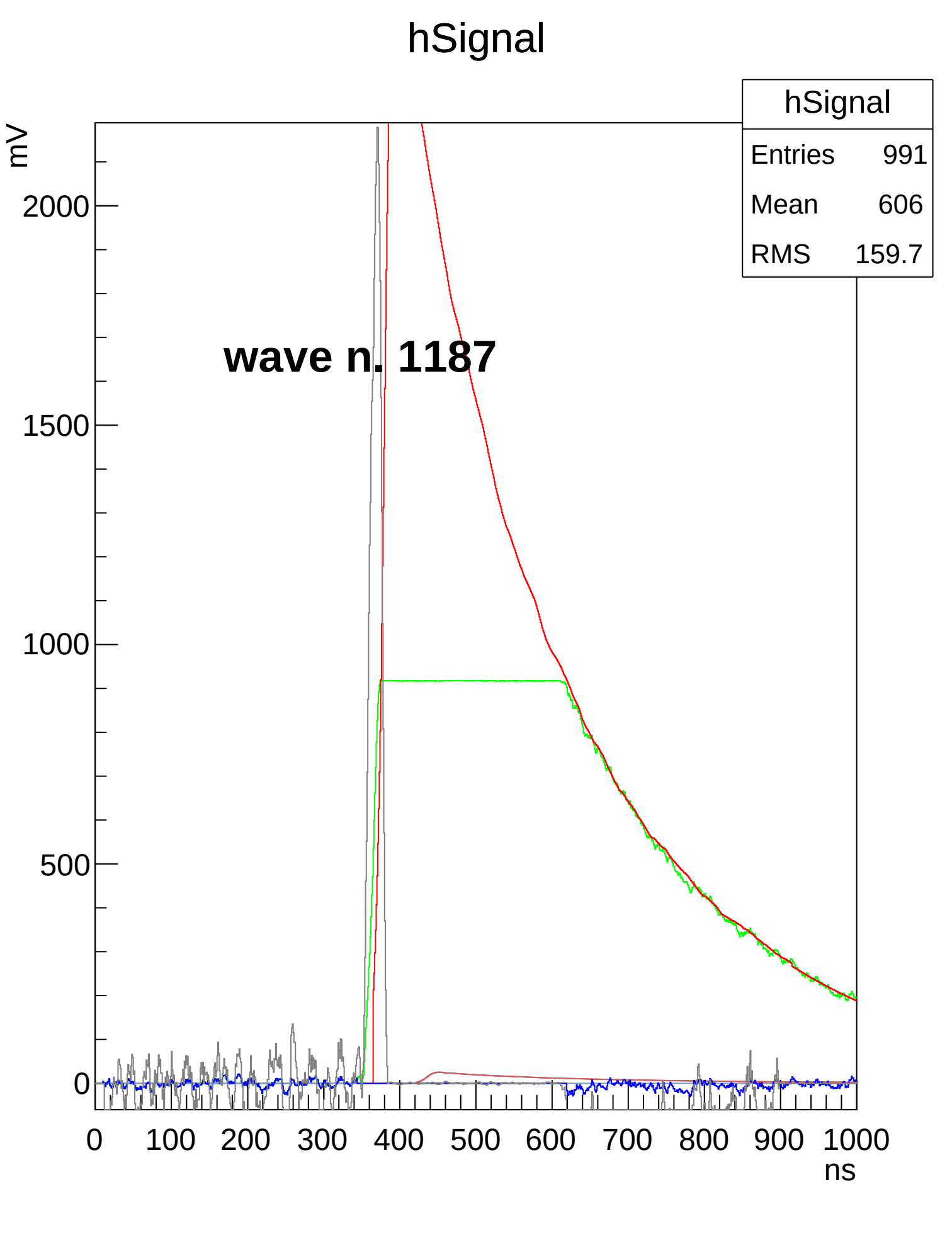

hSignal
hSignal
Entries 991
Mean 553.4
RMS 168.9
wave n. 1182
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

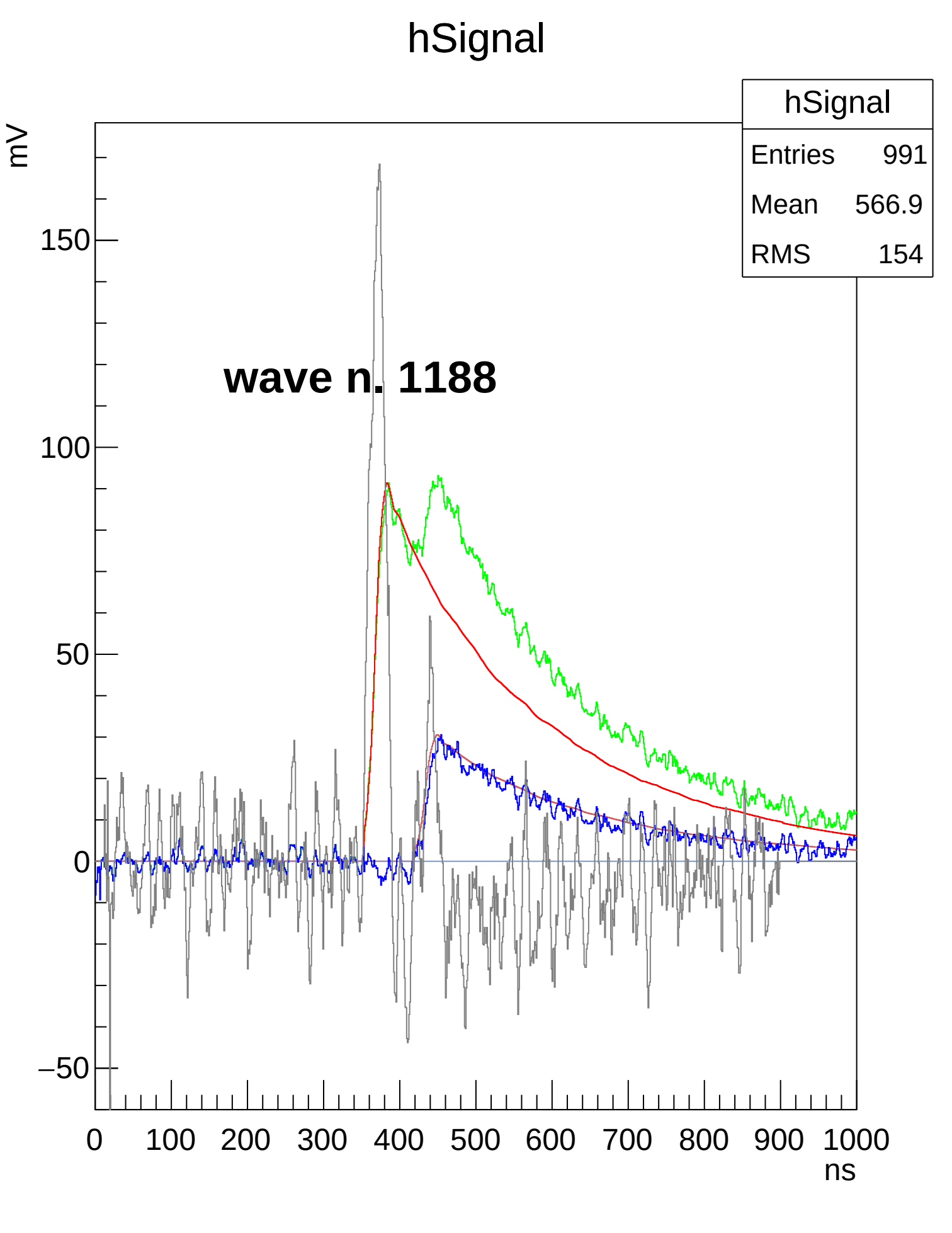

hSignal
hSignal
Entries 991
Mean 498.8
RMS 173.4
wave n. 1183
mV
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

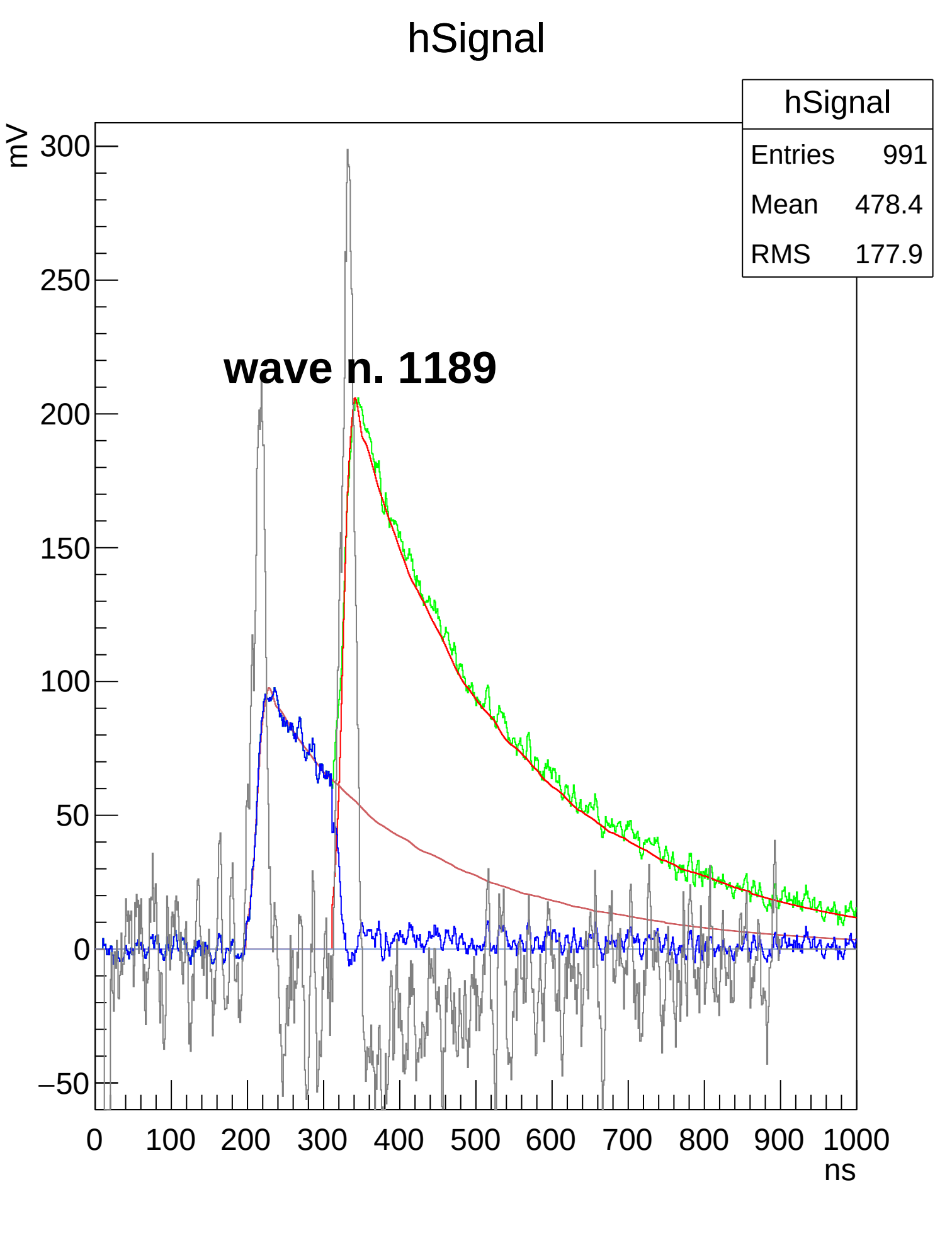

hSignal
hSignal
Entries 991
Mean 482.1
RMS 186.8
wave n. 1184
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

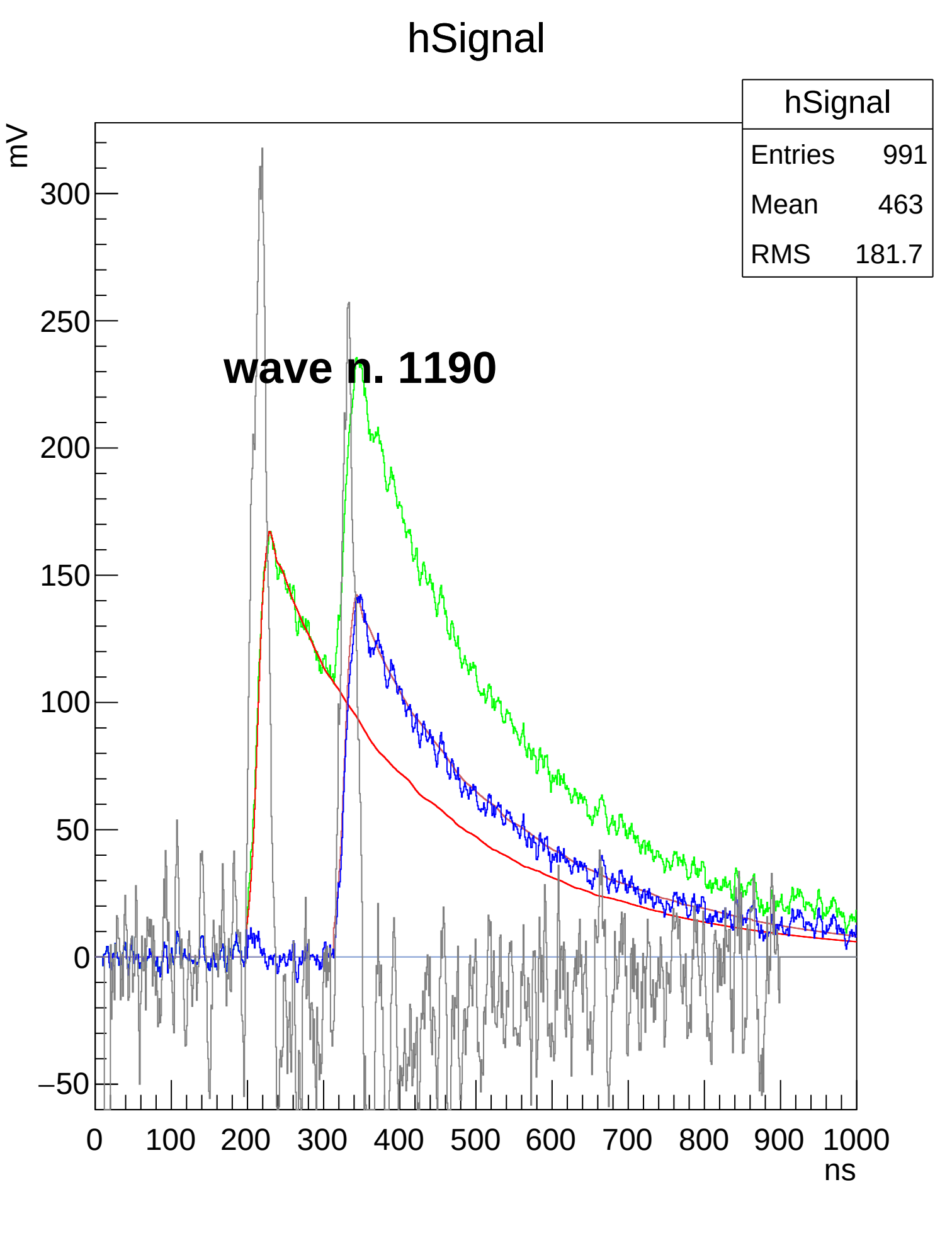

hSignal
hSignal
Entries 991
Mean 497.6
RMS 174.9
wave n. 1185
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

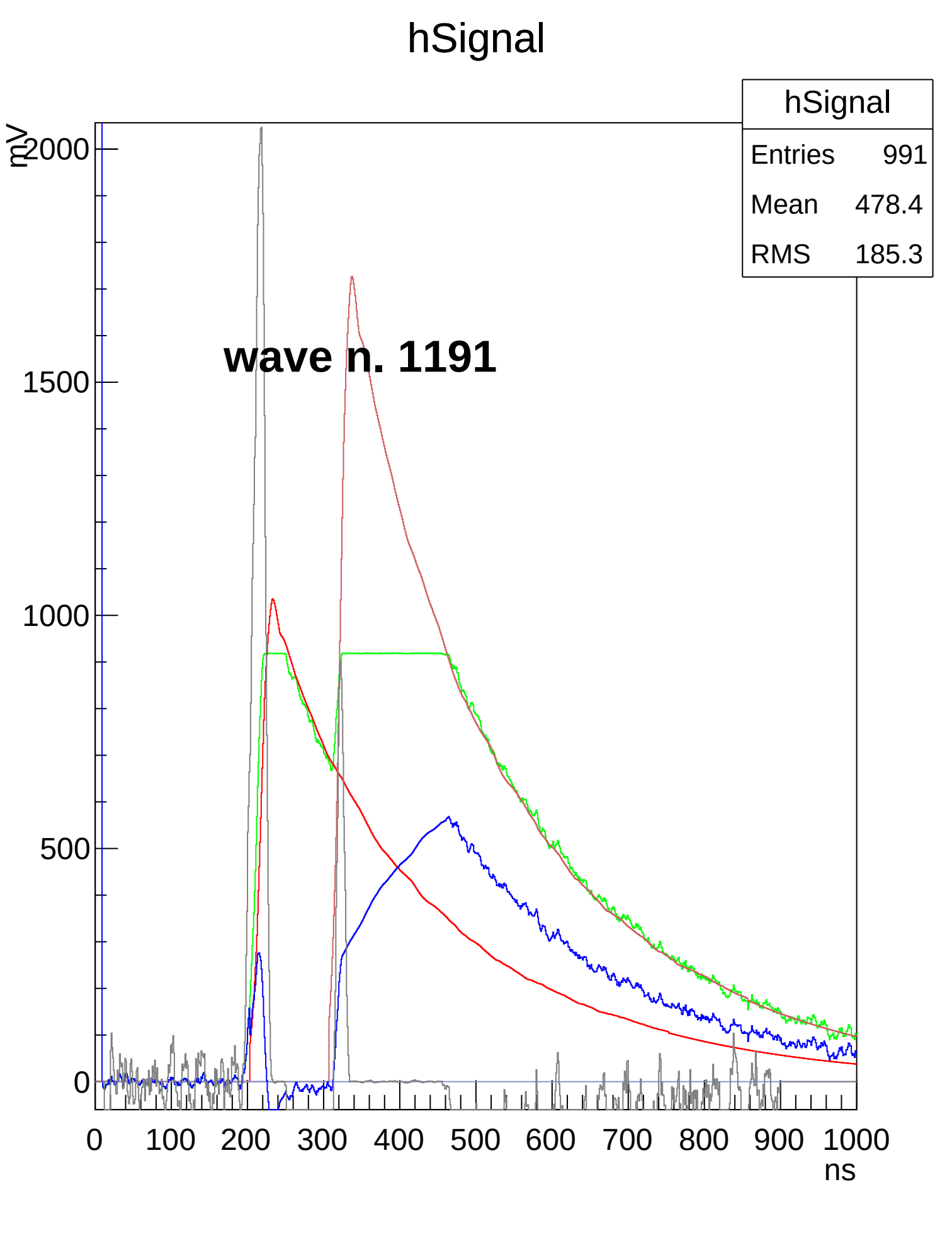

hSignal
hSignal
Entries 991
Mean 565
RMS 162.5
wave n. 1186
mV
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

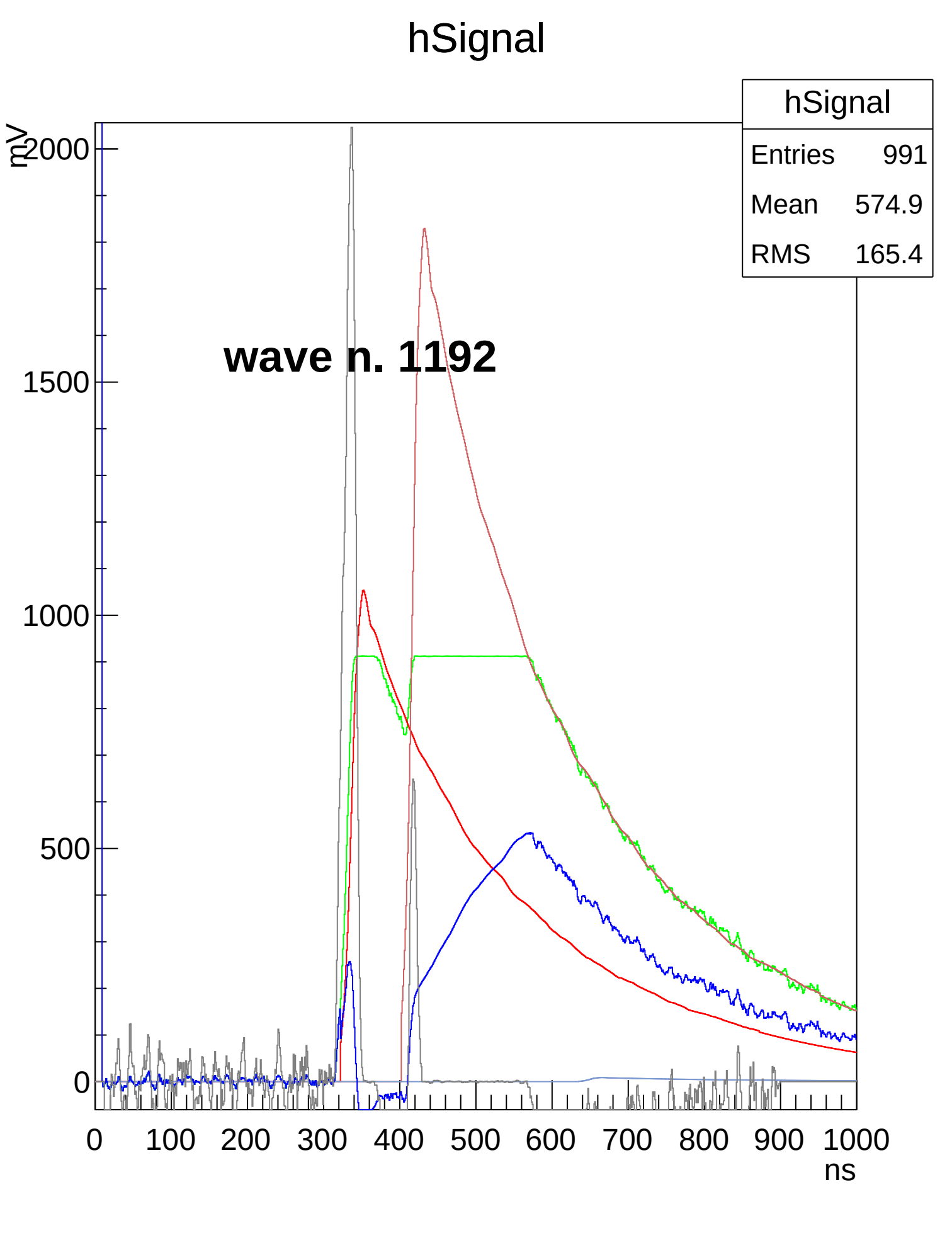

hSignal
hSignal
Entries 991
Mean 606
RMS 159.7
wave n. 1187
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns

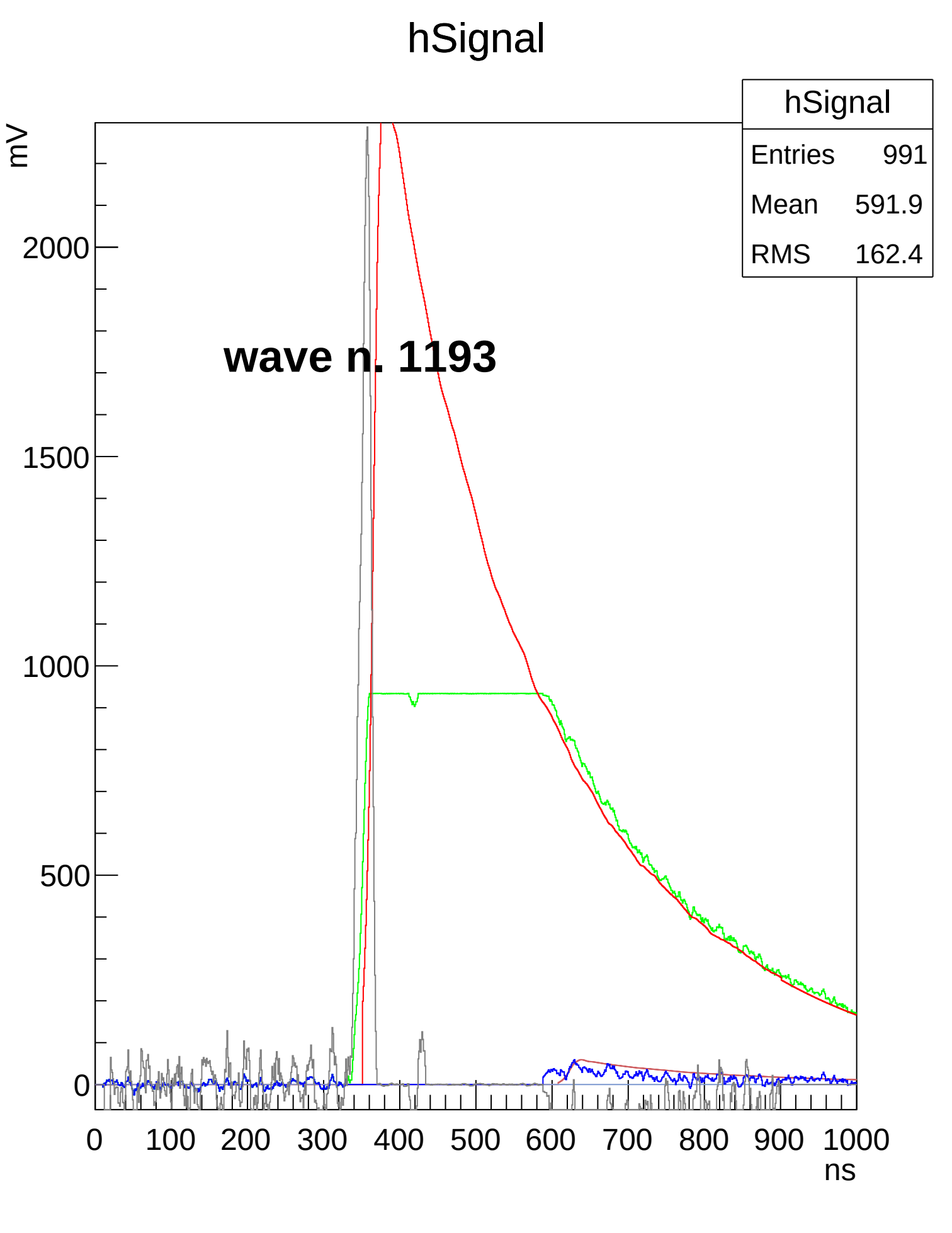

hSignal
hSignal
Entries 991
Mean 566.9
RMS 154
wave n. 1188
mV
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns

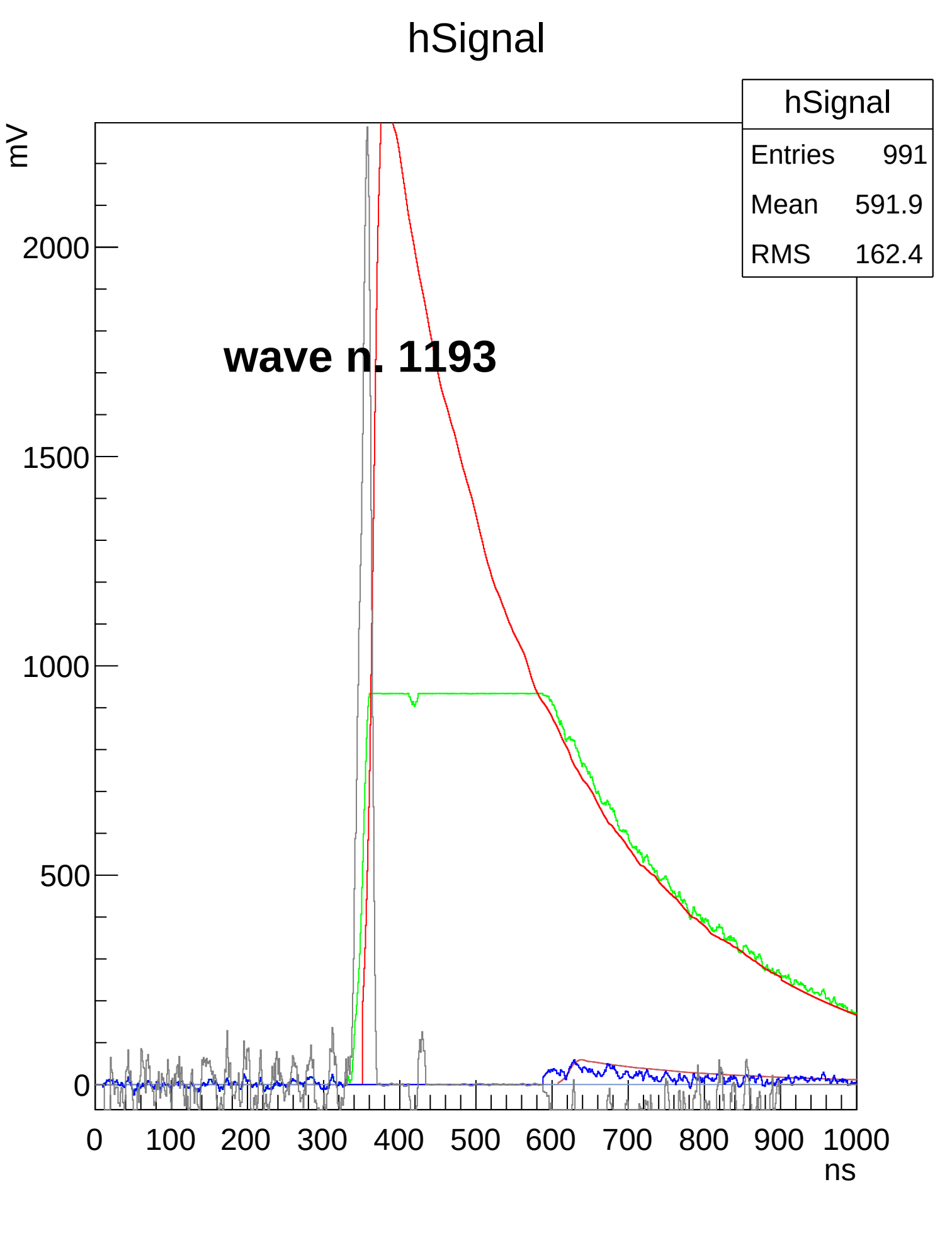

hSignal
hSignal
Entries 991
Mean 478.4
RMS 177.9
wave n. 1189
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 463
RMS 181.7
wave n. 1190
mV
300
250
200
150
100
50
0
−50
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 478.4
RMS 185.3
wave n. 1191
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 574.9
RMS 165.4
wave n. 1192
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.9
RMS 162.4
wave n. 1193
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns


hSignal
hSignal
Entries 991
Mean 591.9
RMS 162.4
wave n. 1193
mV
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000
ns