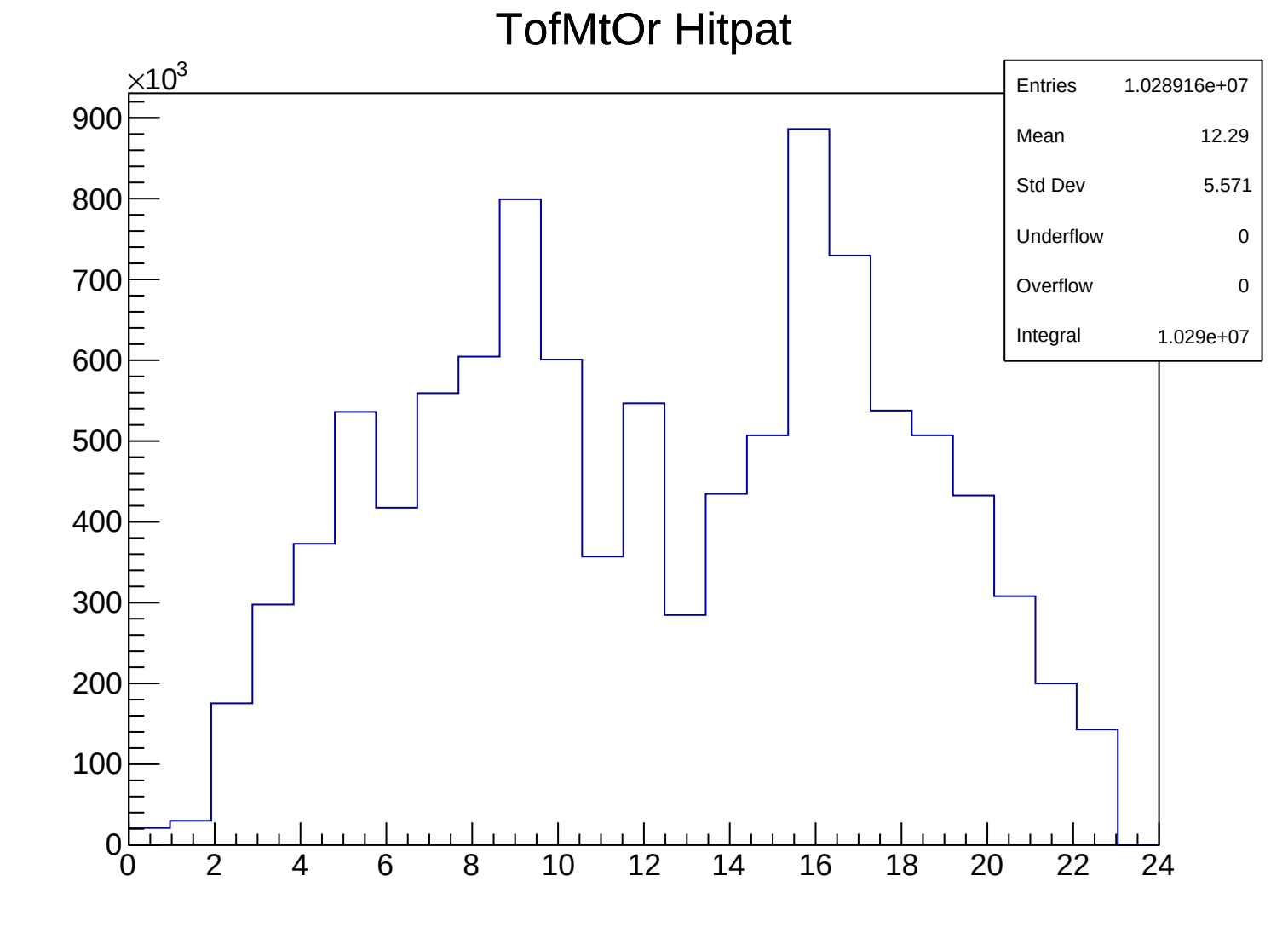
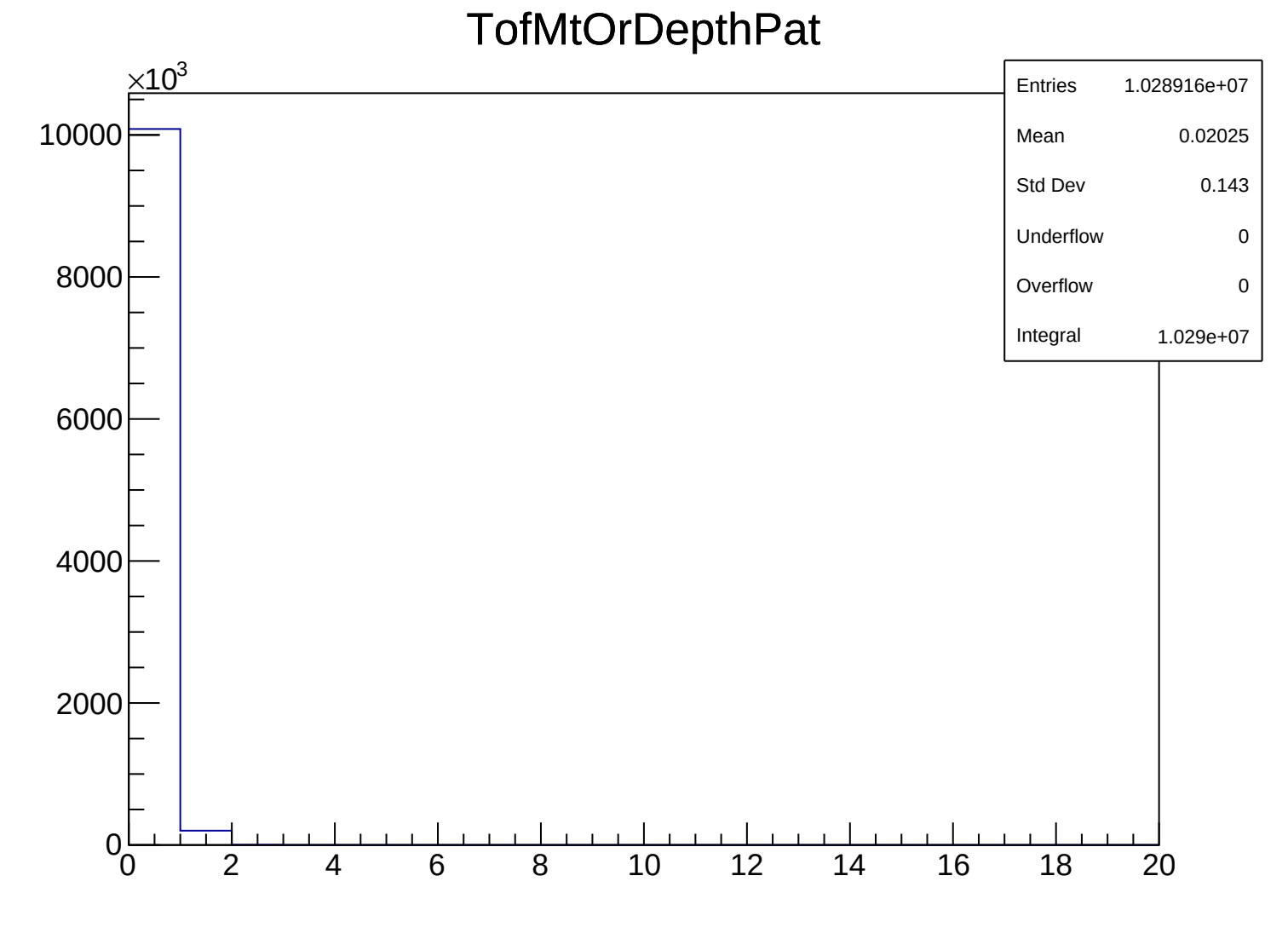
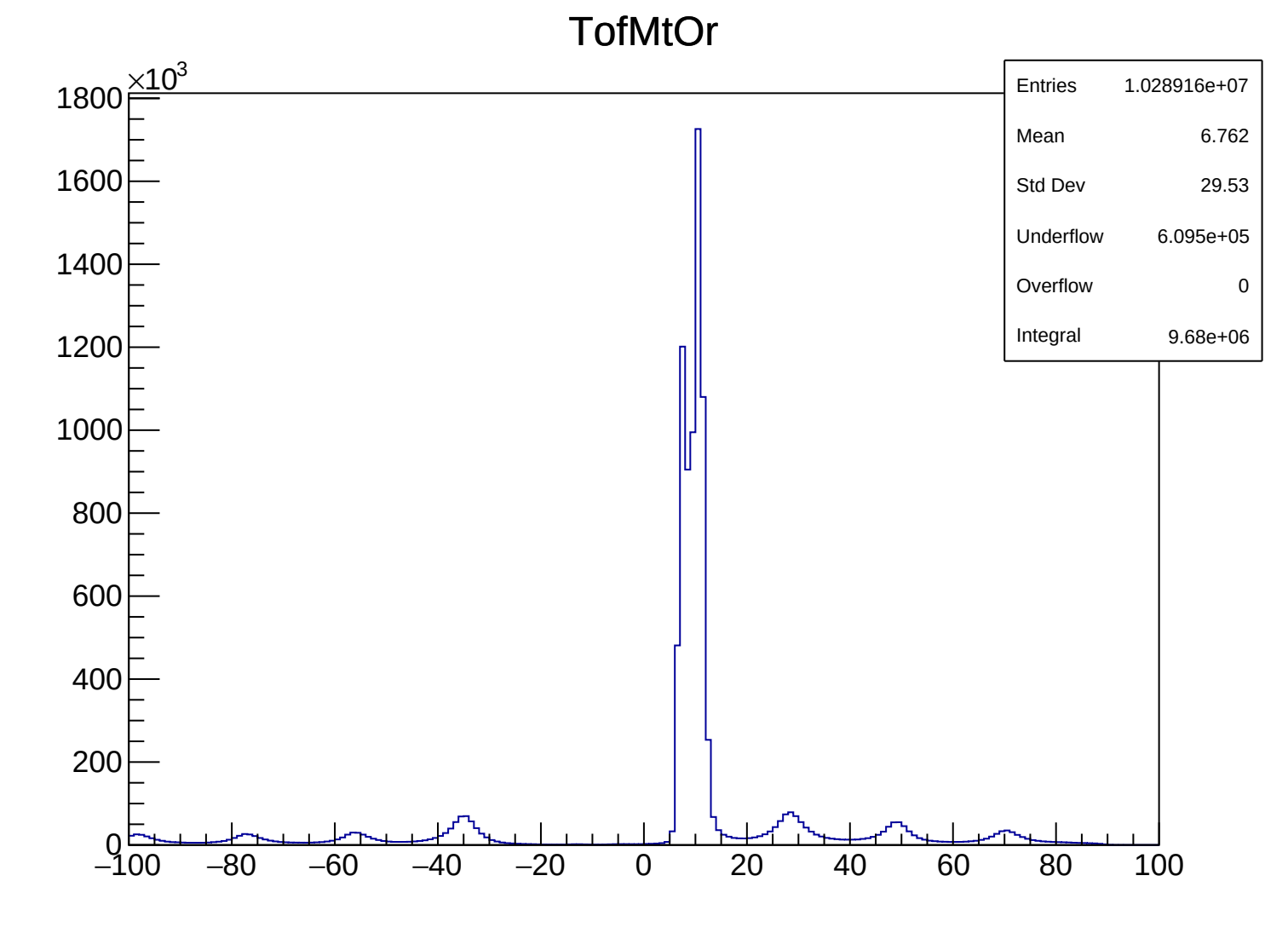
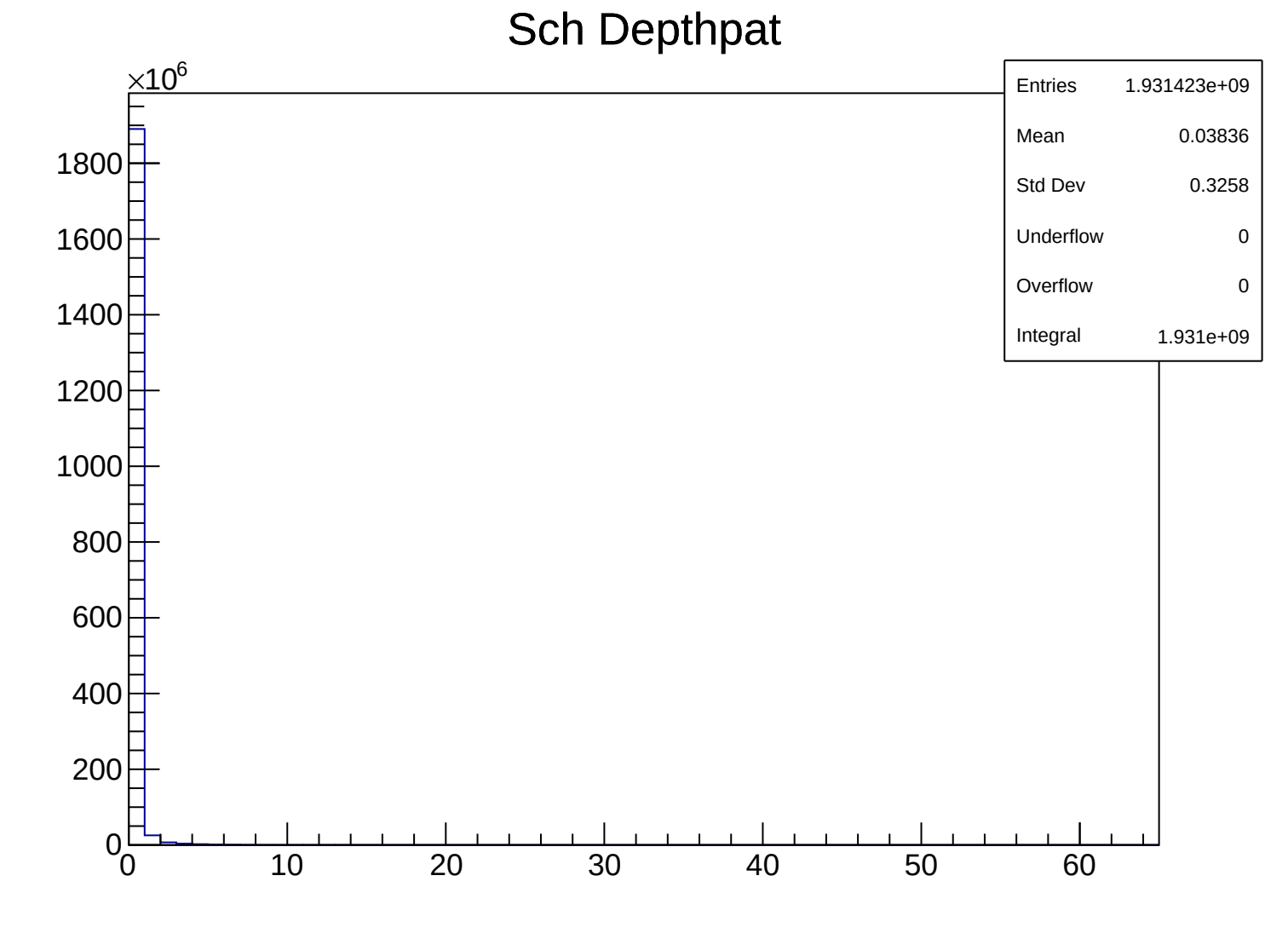
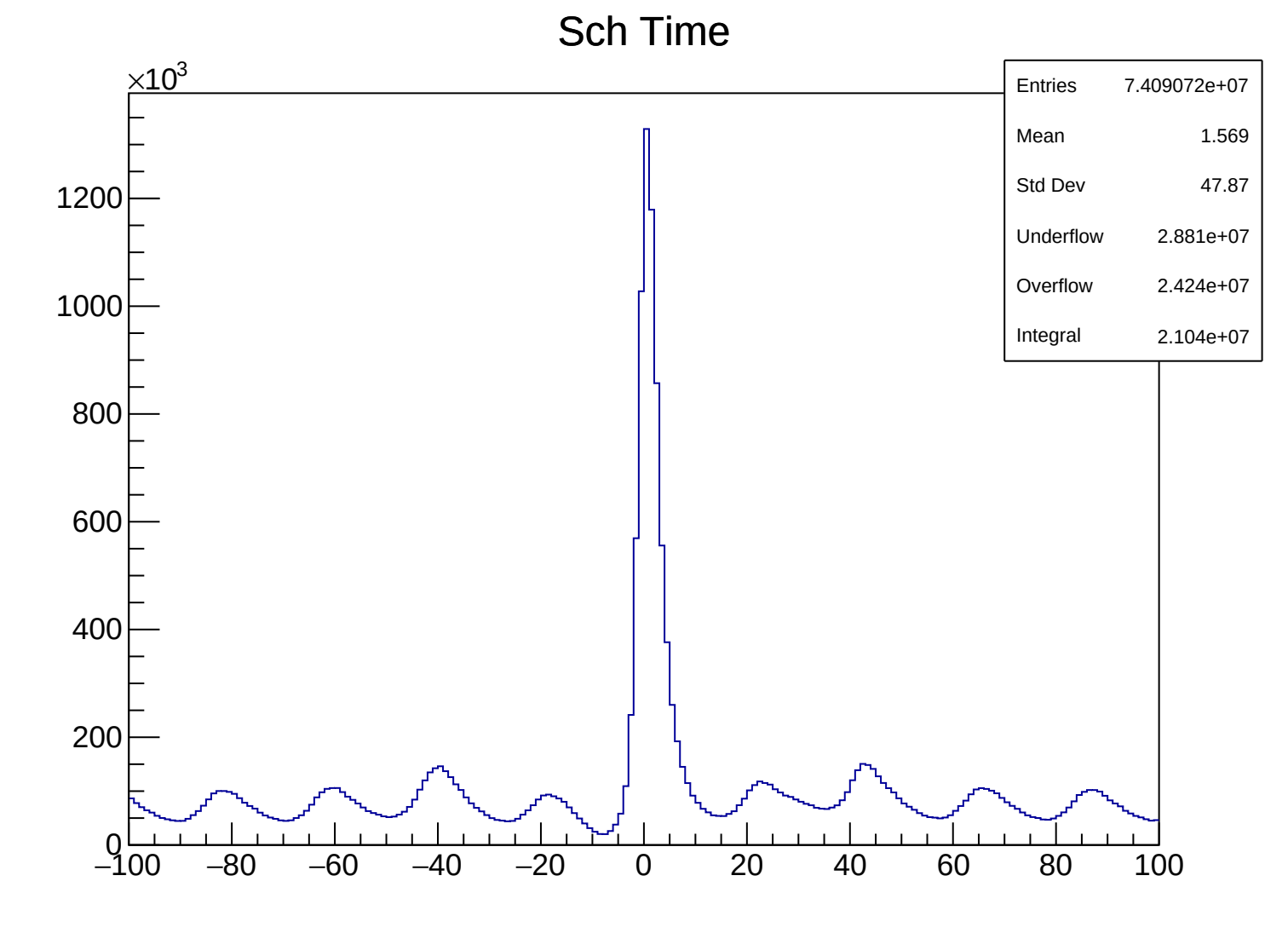
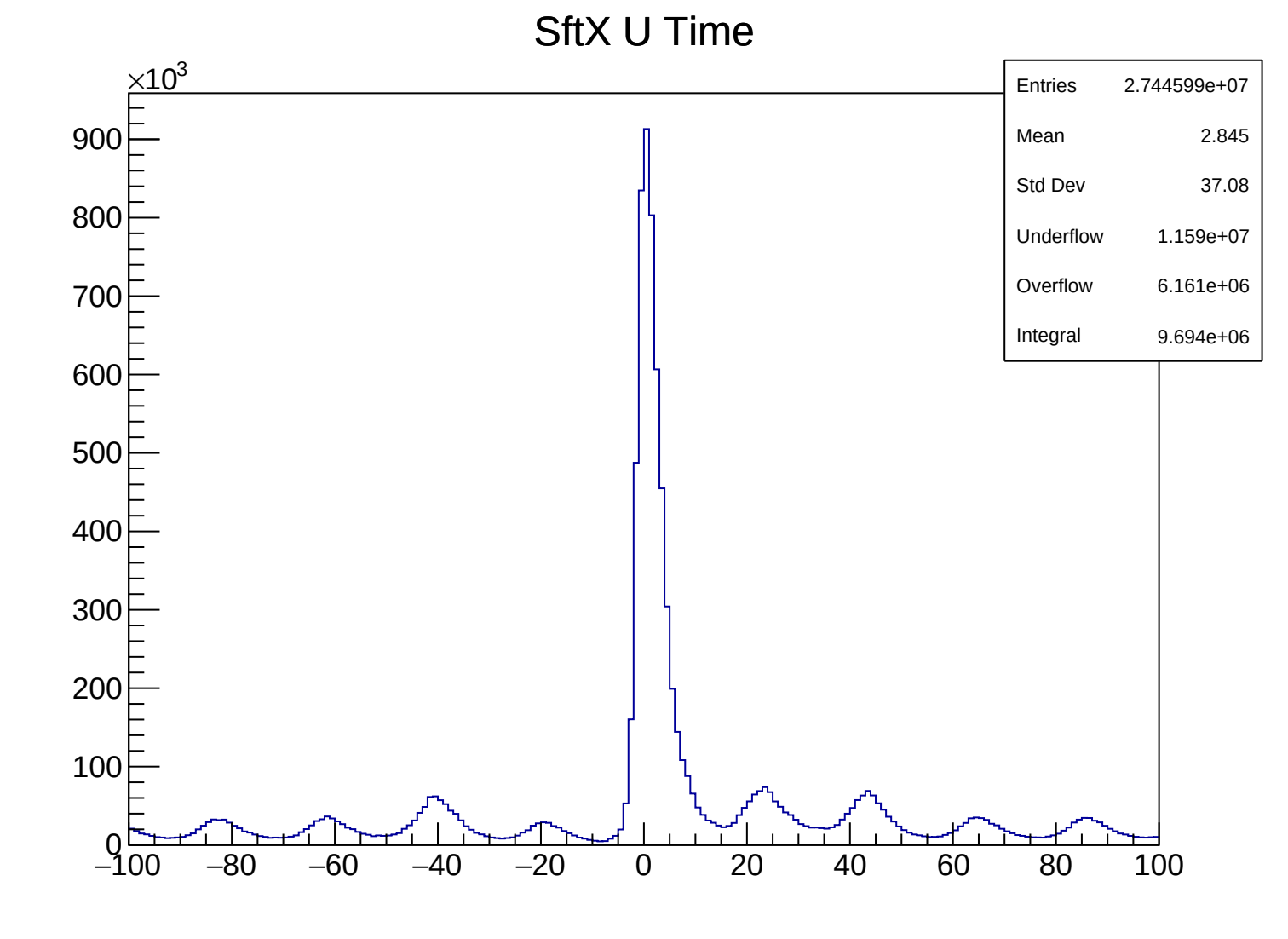

TofMtOr Hitpat
×10^3
900
800
700
600
500
400
300
200
100
0
0
2
4
6
8
10
12
14
16
18
20
22
24
Entries 1.028916e+07
Mean 12.29
Std Dev 5.571
Underflow 0
Overflow 0
Integral 1.029e+07

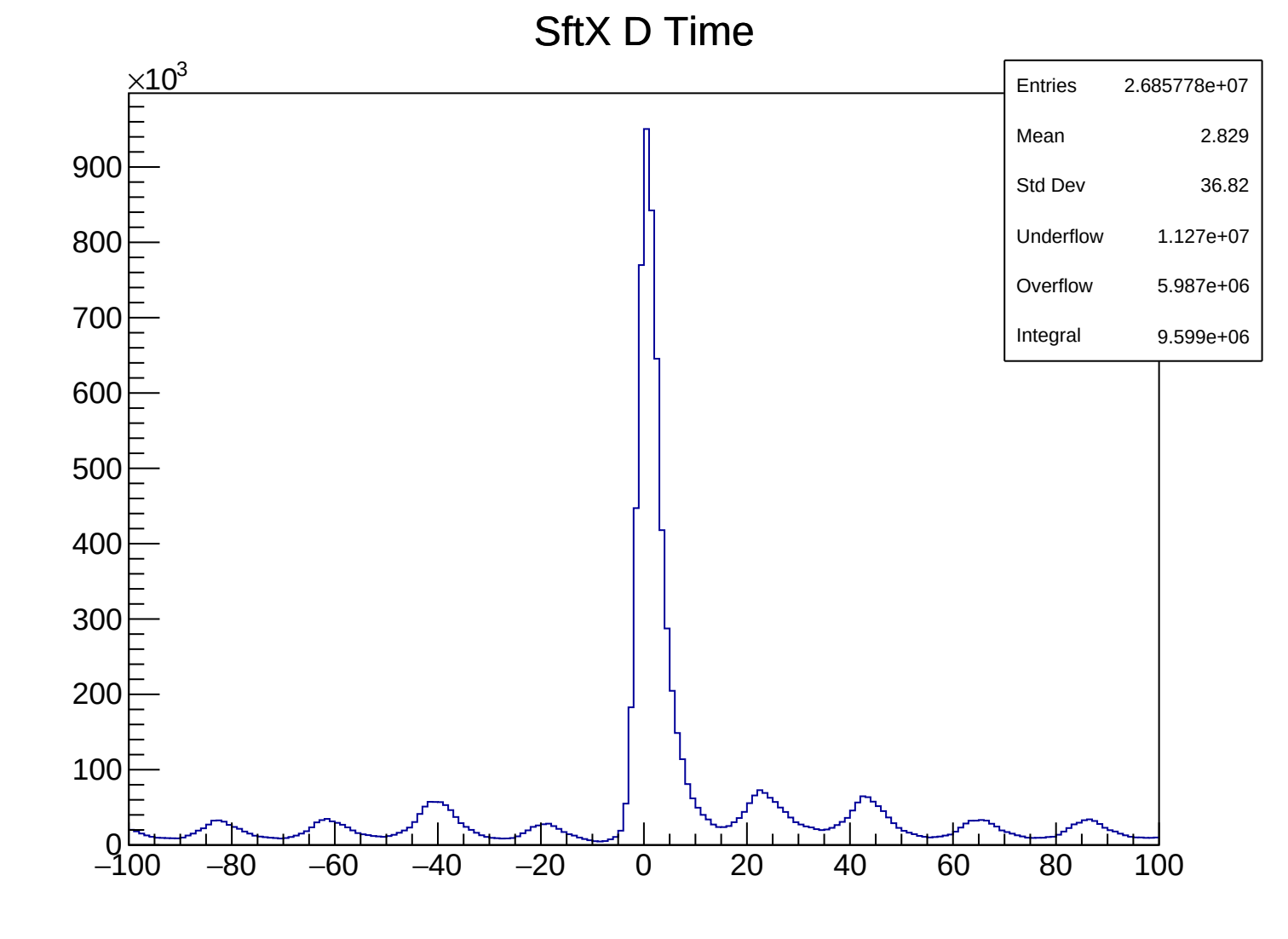

TofMtOrDepthPat
×10^3
10000
8000
6000
4000
2000
0
0
2
4
6
8
10
12
14
16
18
20
Entries 1.028916e+07
Mean 0.02025
Std Dev 0.143
Underflow 0
Overflow 0
Integral 1.029e+07

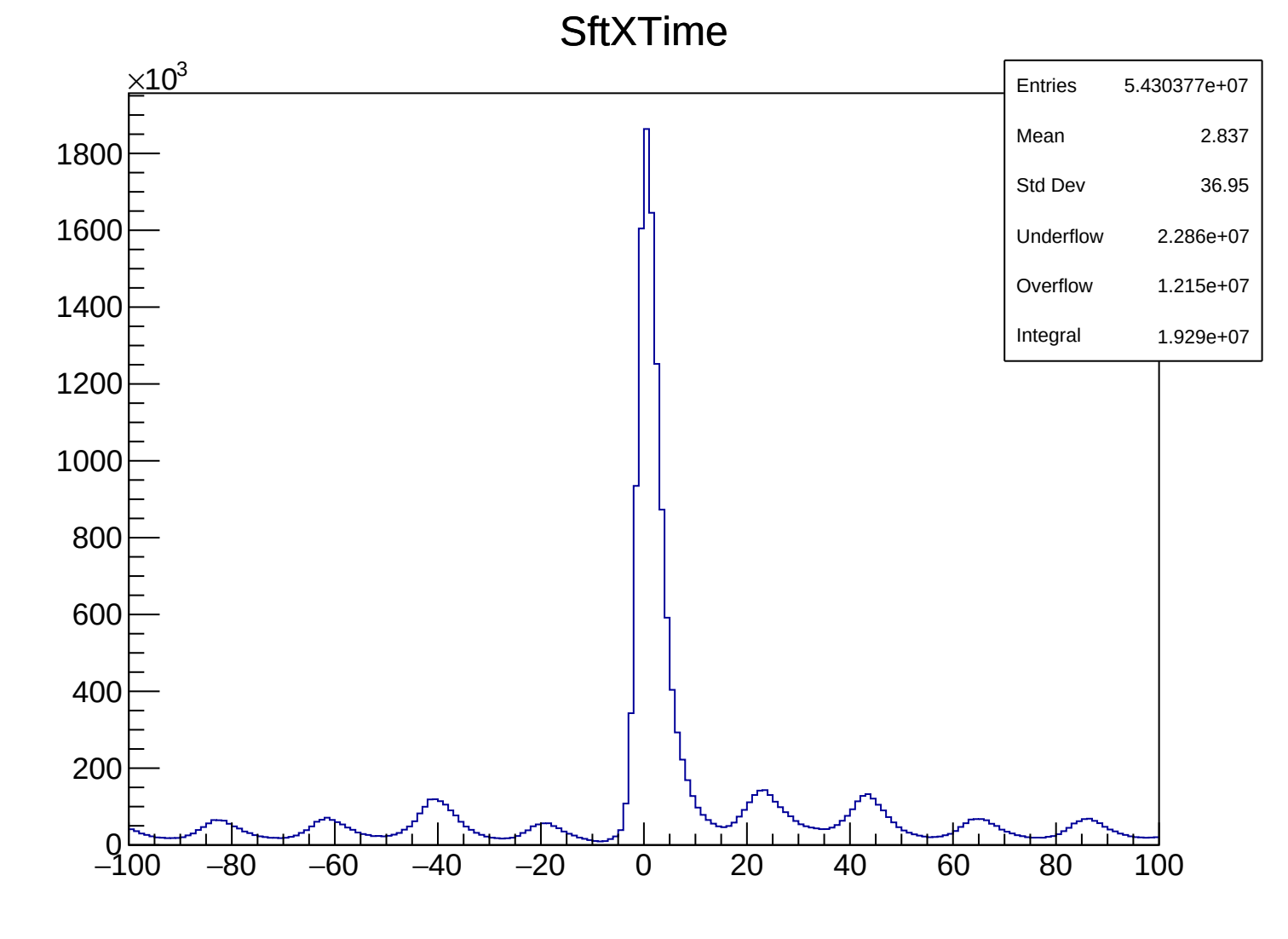

TofMtOr
×10^3
1800
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1.028916e+07
Mean 6.762
Std Dev 29.53
Underflow 6.095e+05
Overflow 0
Integral 9.68e+06

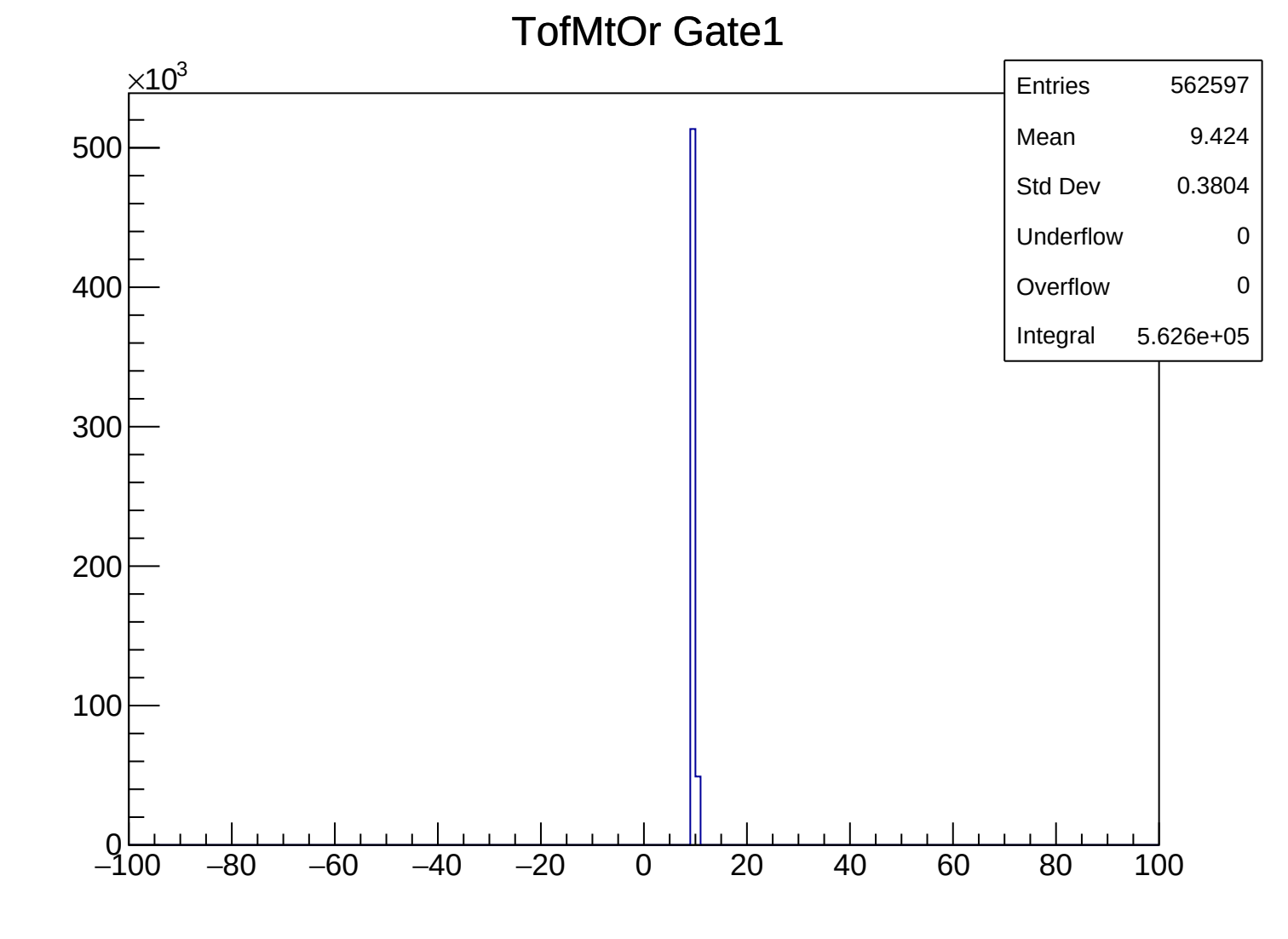

Sch Depthpat
×10^6
1800
1600
1400
1200
1000
800
600
400
200
0
0
10
20
30
40
50
60
Entries 1.931423e+09
Mean 0.03836
Std Dev 0.3258
Underflow 0
Overflow 0
Integral 1.931e+09

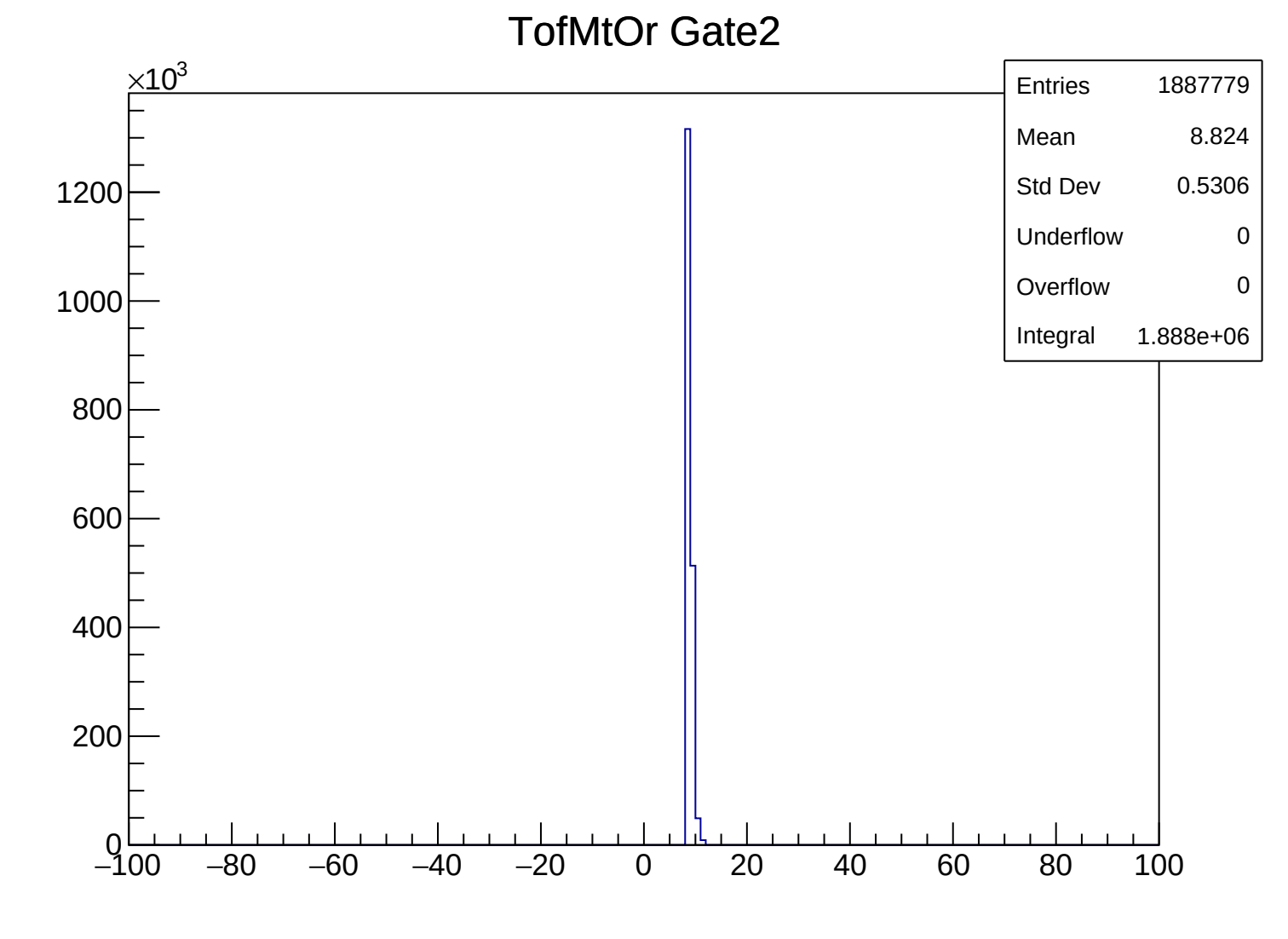

Sch Time
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 7.409072e+07
Mean 1.569
Std Dev 47.87
Underflow 2.881e+07
Overflow 2.424e+07
Integral 2.104e+07

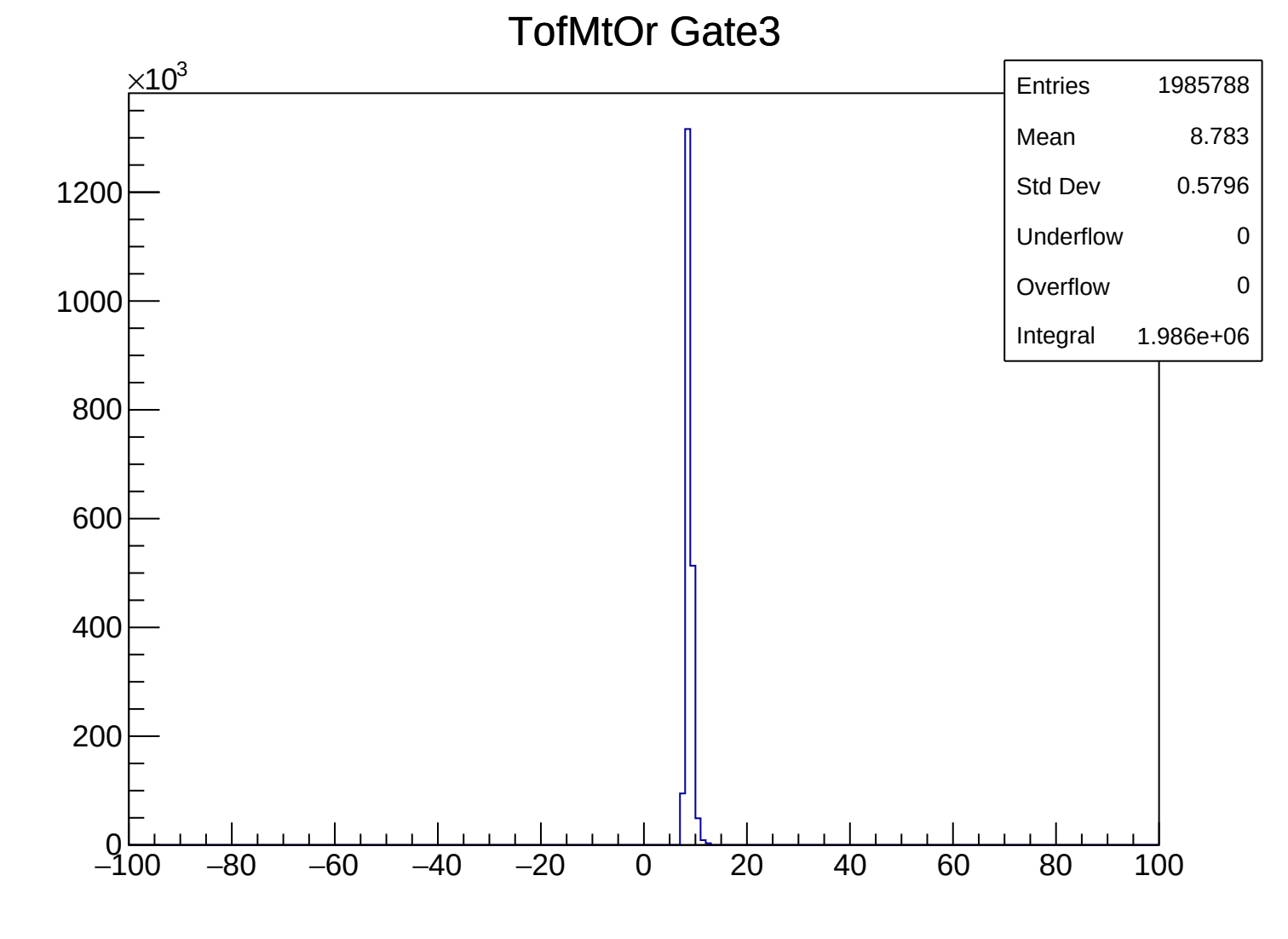

SftX U Time
×10^3
900
800
700
600
500
400
300
200
100
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2.744599e+07
Mean 2.845
Std Dev 37.08
Underflow 1.159e+07
Overflow 6.161e+06
Integral 9.694e+06

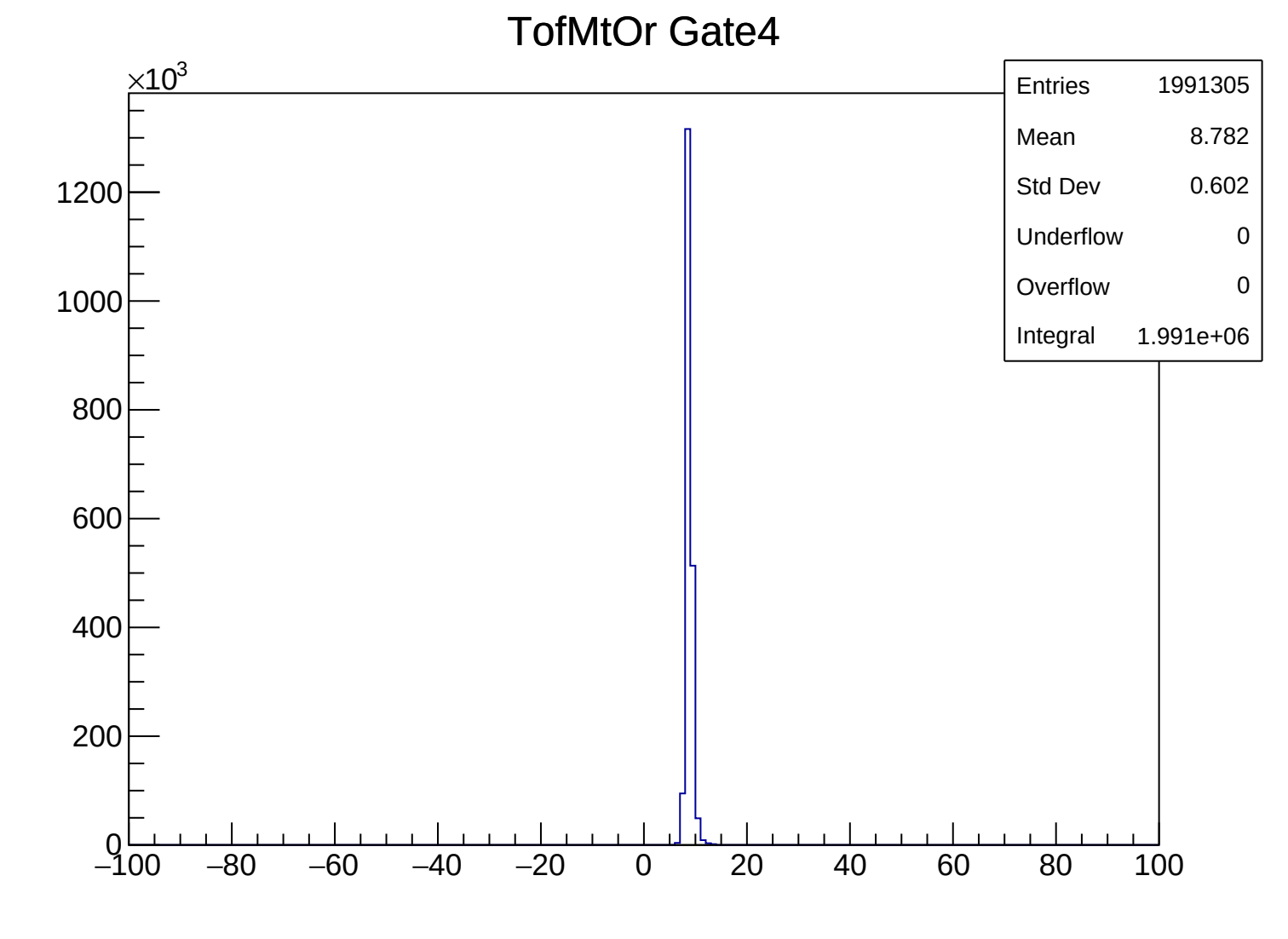

SftX D Time
×10^3
900
800
700
600
500
400
300
200
100
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2.685778e+07
Mean 2.829
Std Dev 36.82
Underflow 1.127e+07
Overflow 5.987e+06
Integral 9.599e+06

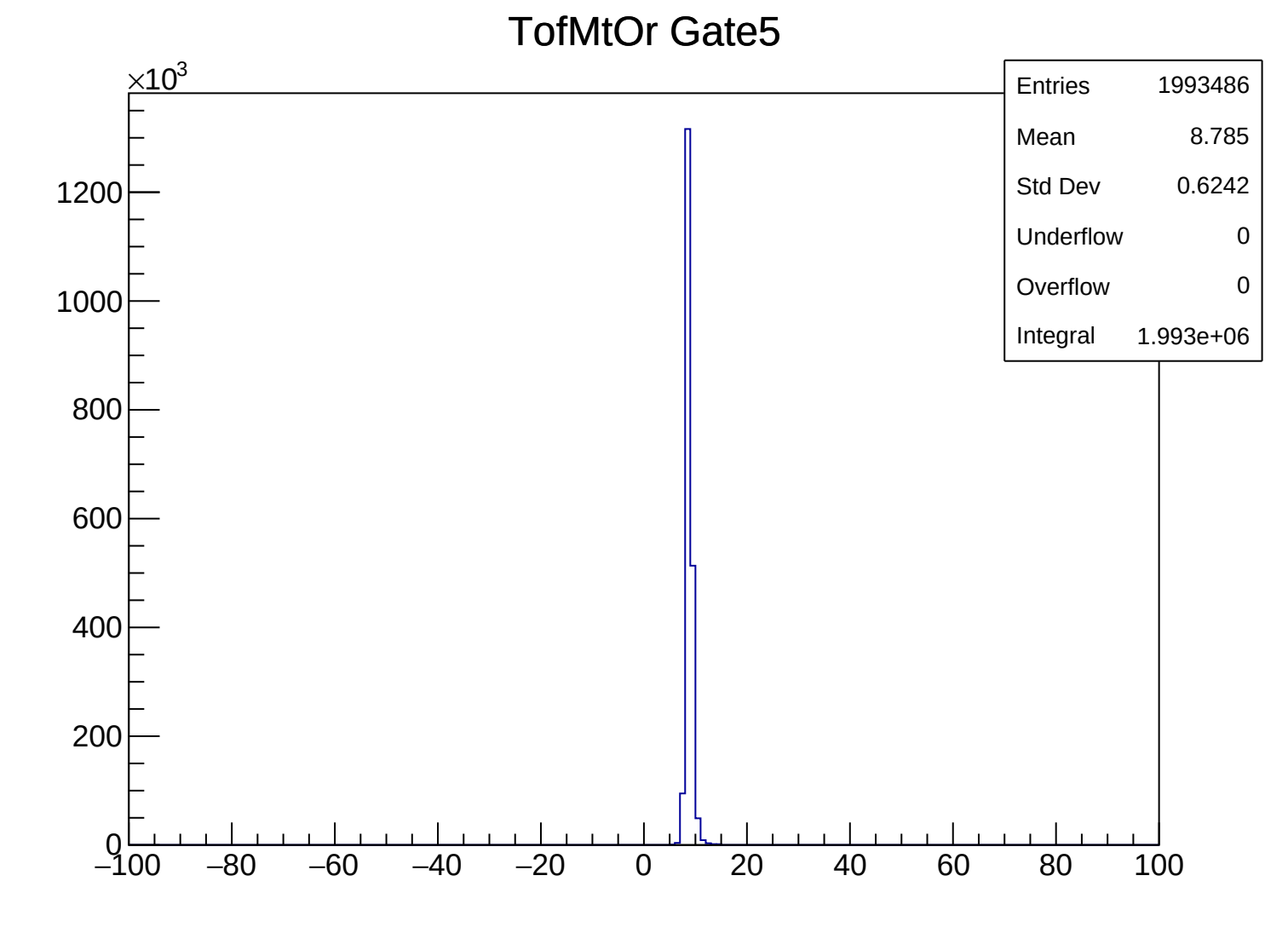

SftXTime
×10^3
1800
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 5.430377e+07
Mean 2.837
Std Dev 36.95
Underflow 2.286e+07
Overflow 1.215e+07
Integral 1.929e+07

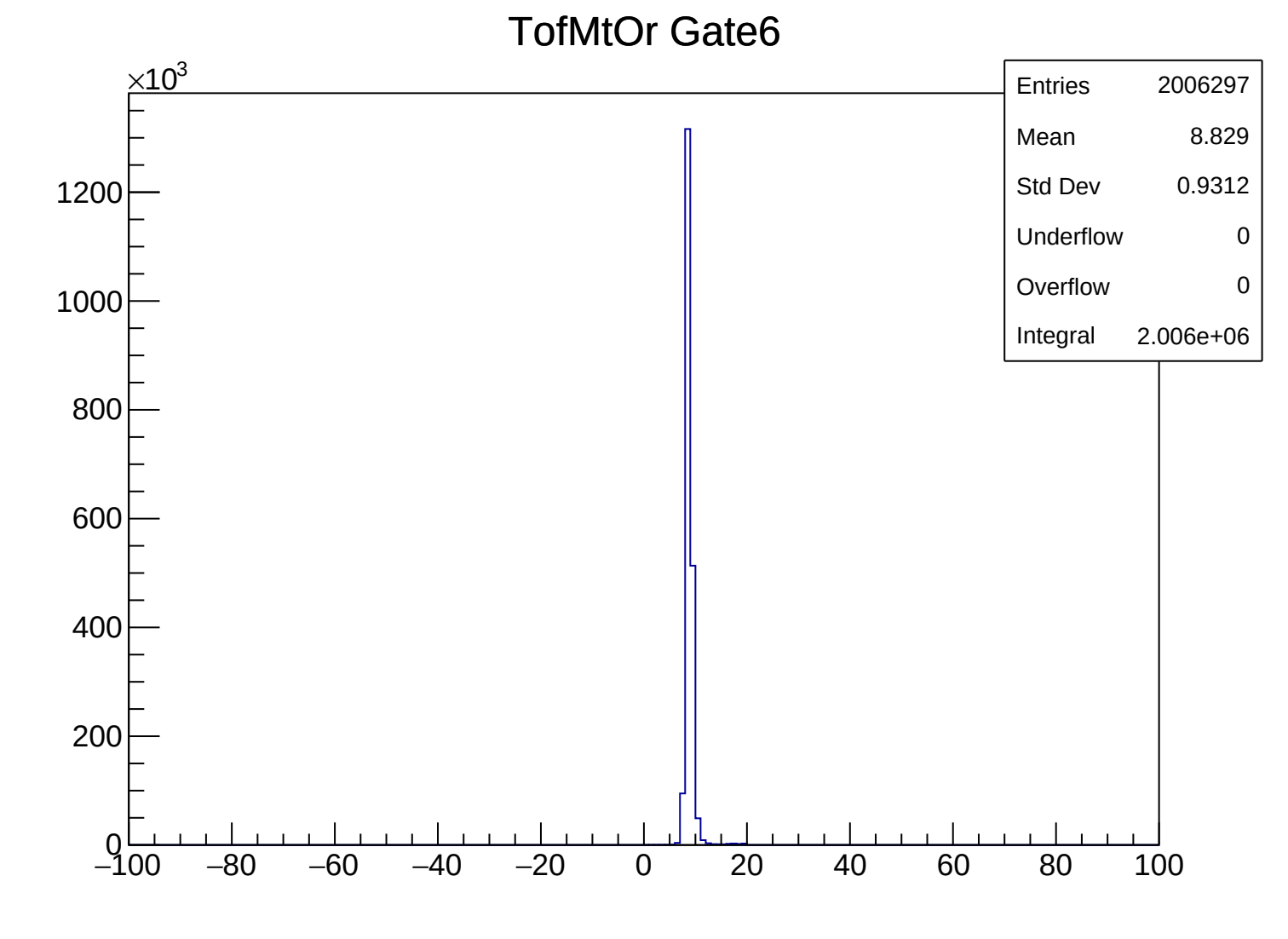

TofMtOr Gate1
×10^3
500
400
300
200
100
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 562597
Mean 9.424
Std Dev 0.3804
Underflow 0
Overflow 0
Integral 5.626e+05

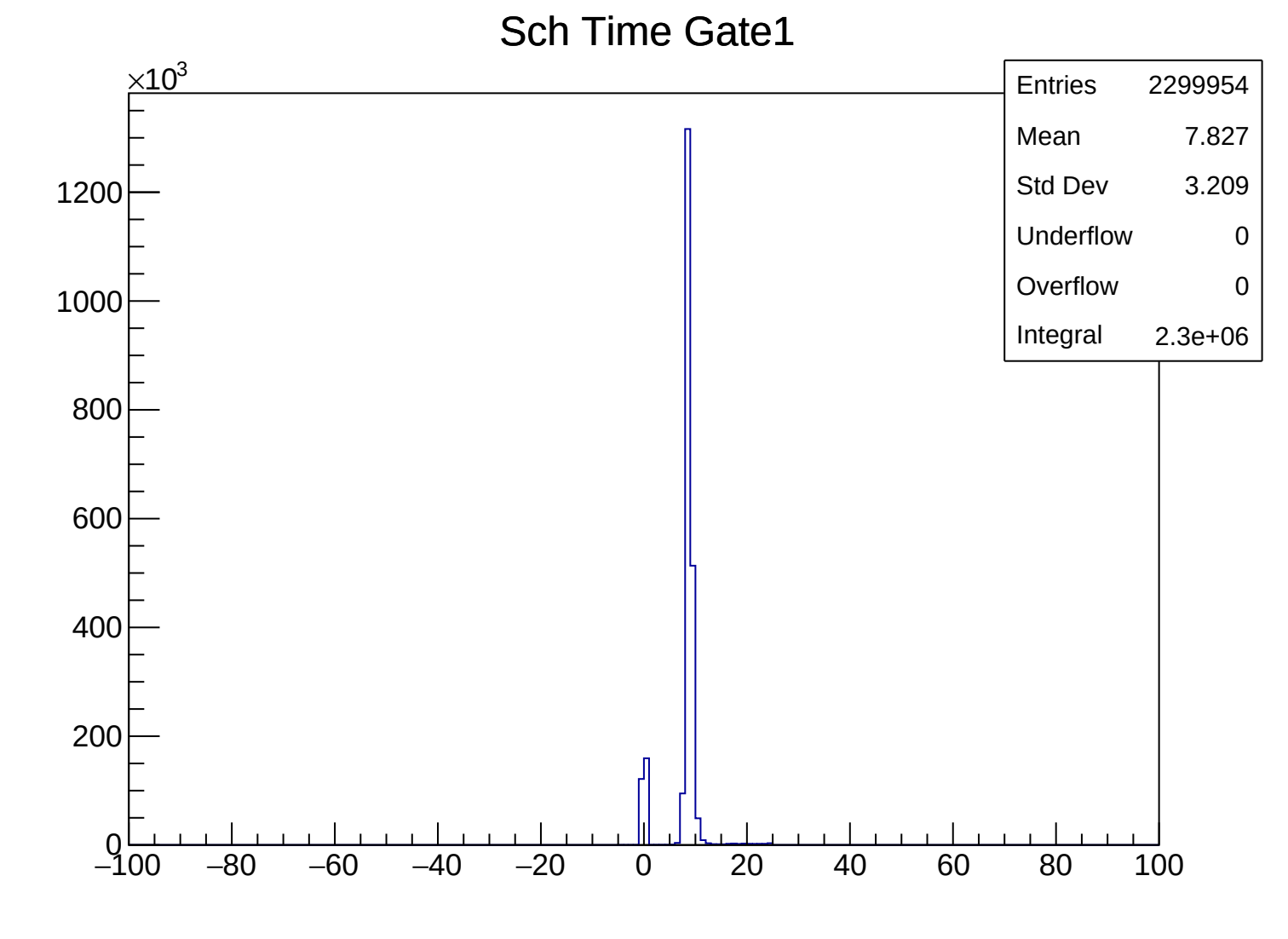

TofMtOr Gate2
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1887779
Mean 8.824
Std Dev 0.5306
Underflow 0
Overflow 0
Integral 1.888e+06

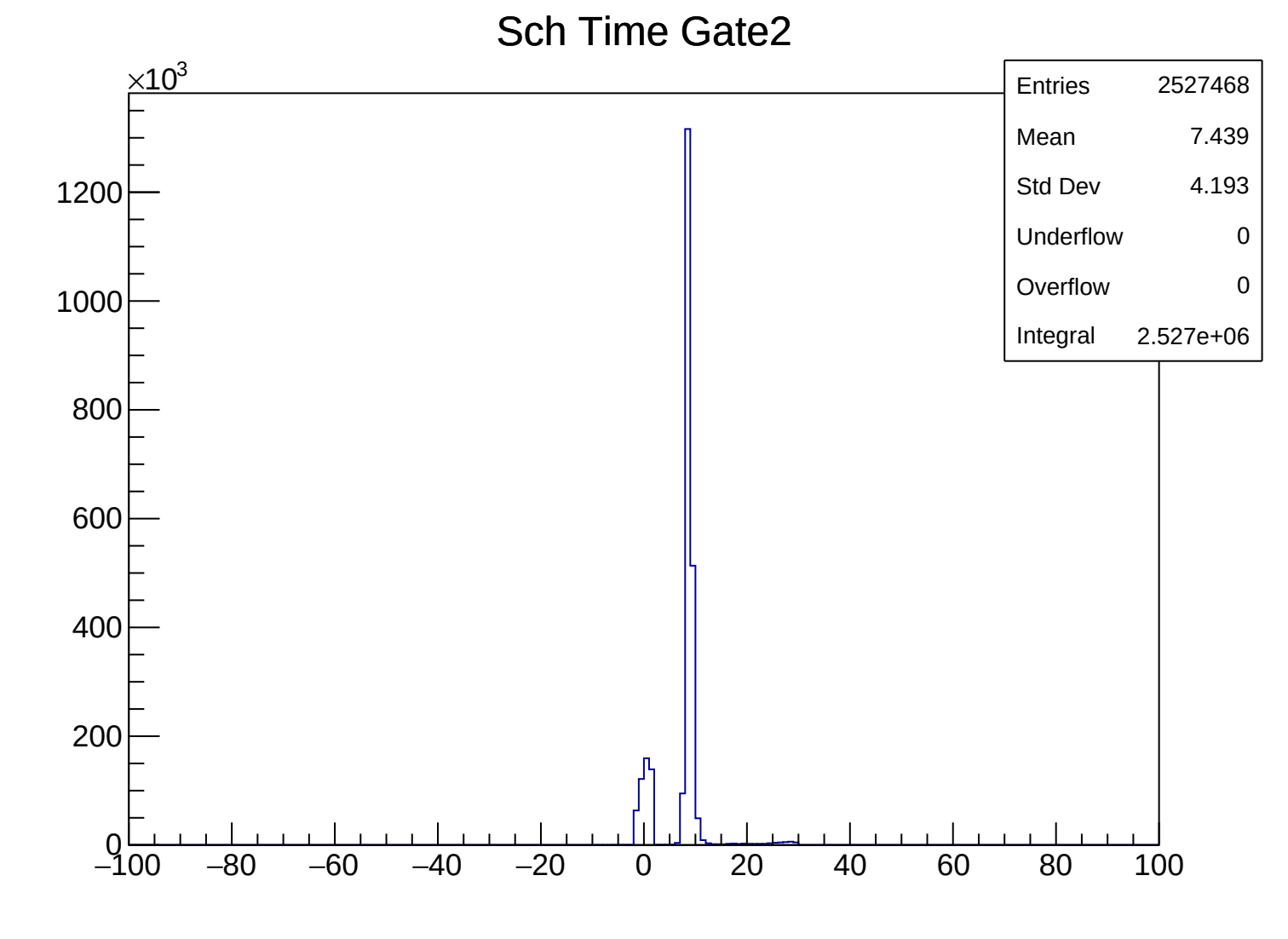

TofMtOr Gate3
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1985788
Mean 8.783
Std Dev 0.5796
Underflow 0
Overflow 0
Integral 1.986e+06

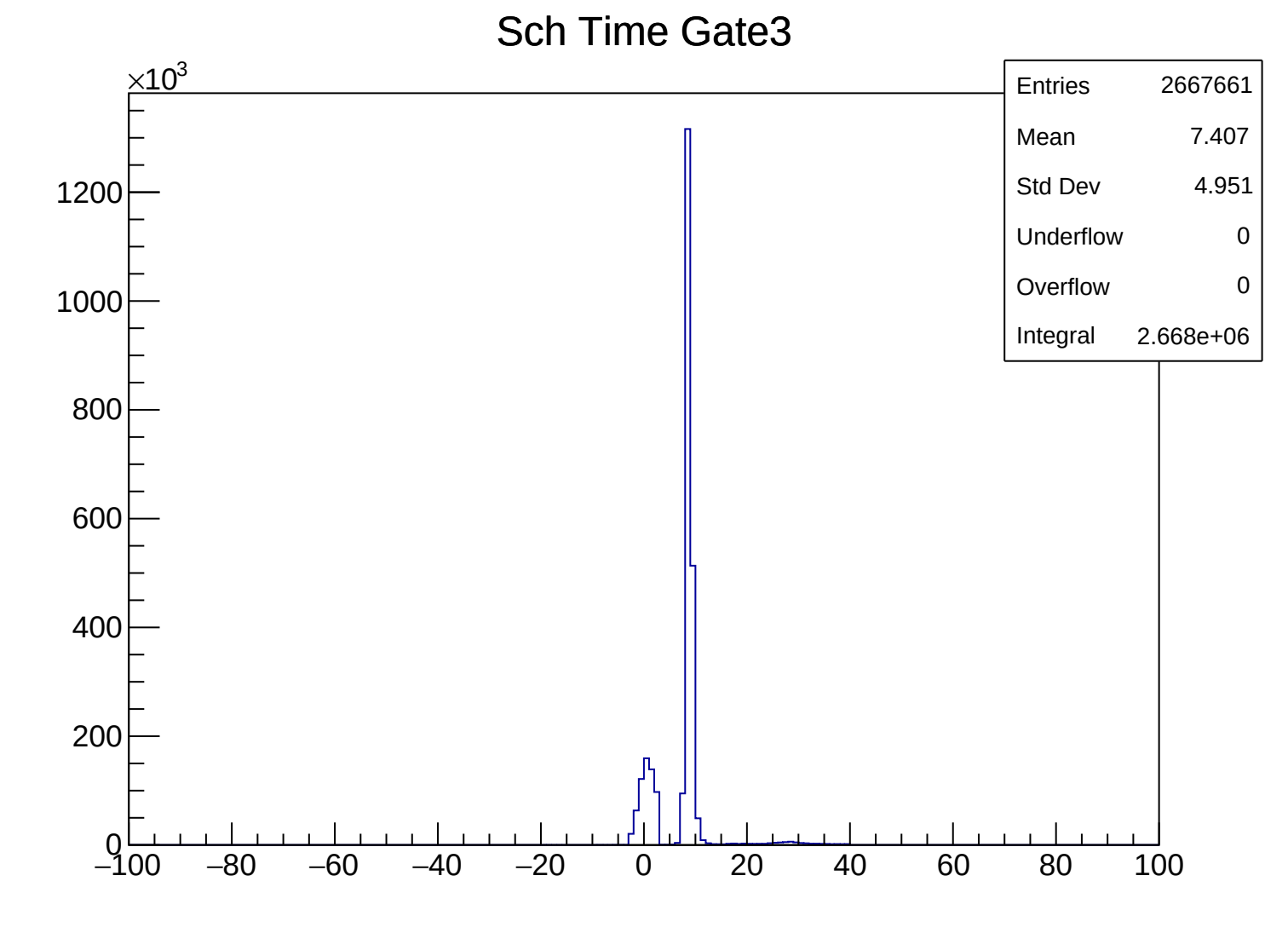

TofMtOr Gate4
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1991305
Mean 8.782
Std Dev 0.602
Underflow 0
Overflow 0
Integral 1.991e+06

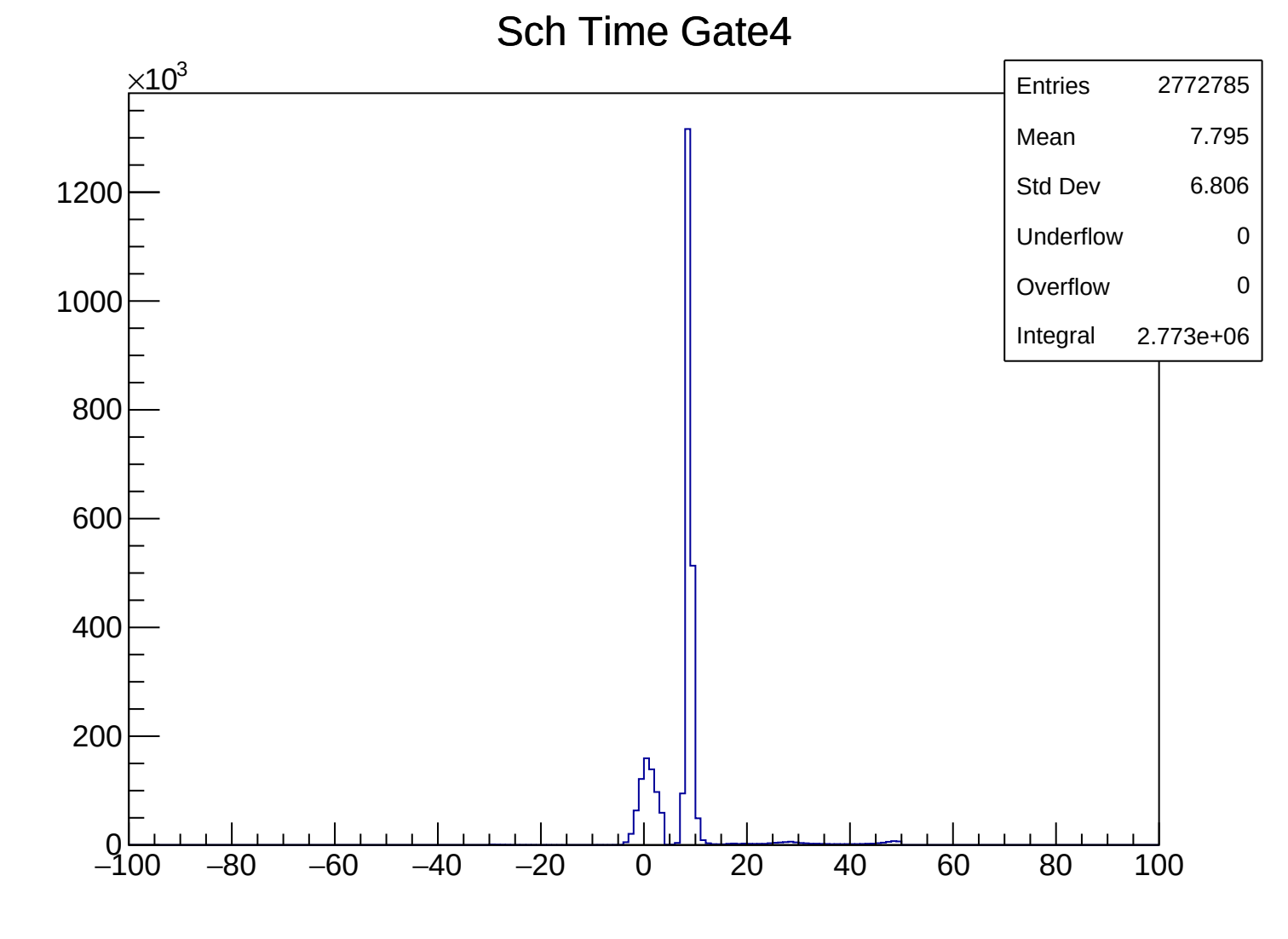

TofMtOr Gate5
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1993486
Mean 8.785
Std Dev 0.6242
Underflow 0
Overflow 0
Integral 1.993e+06

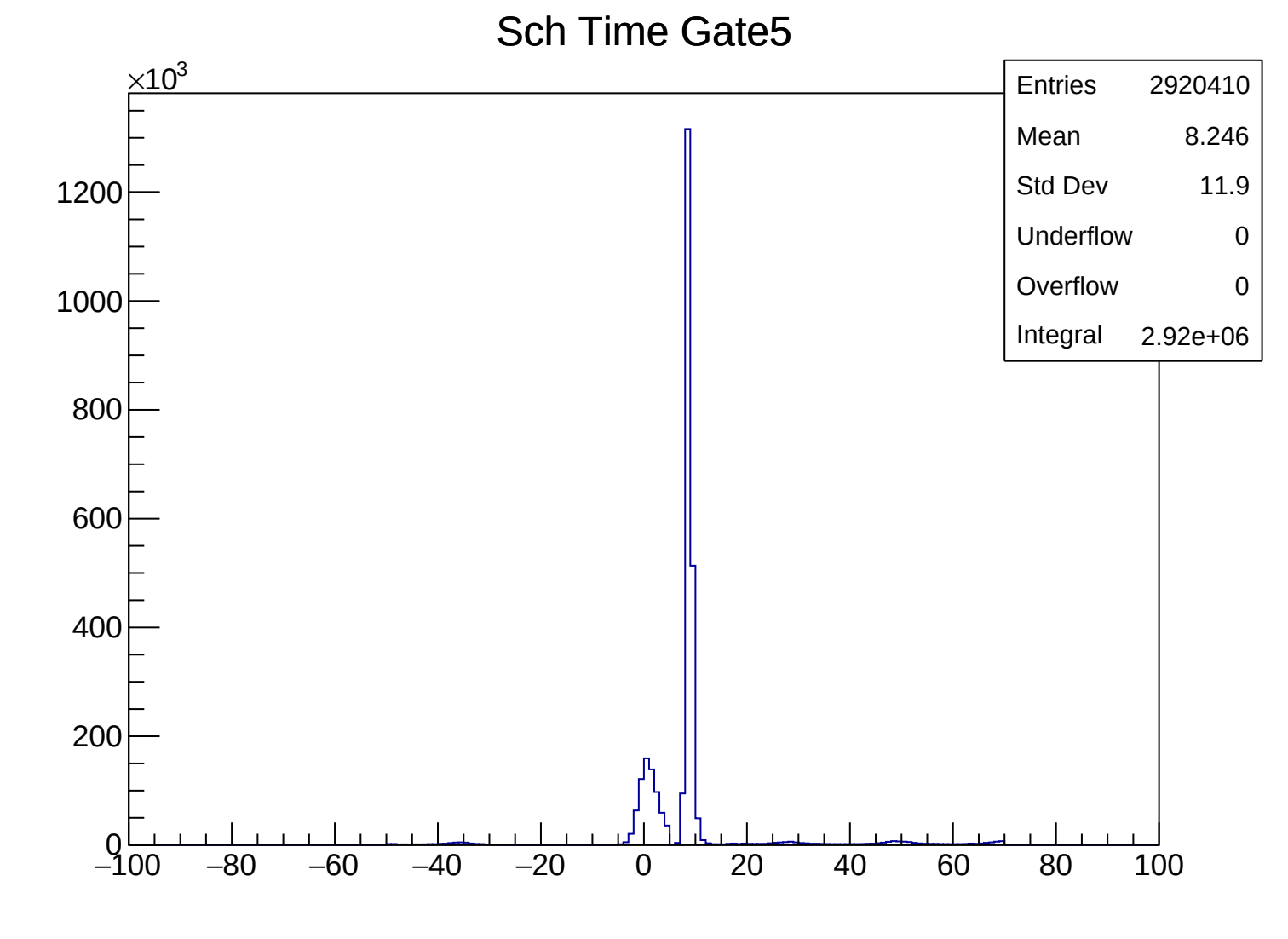

TofMtOr Gate6
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2006297
Mean 8.829
Std Dev 0.9312
Underflow 0
Overflow 0
Integral 2.006e+06

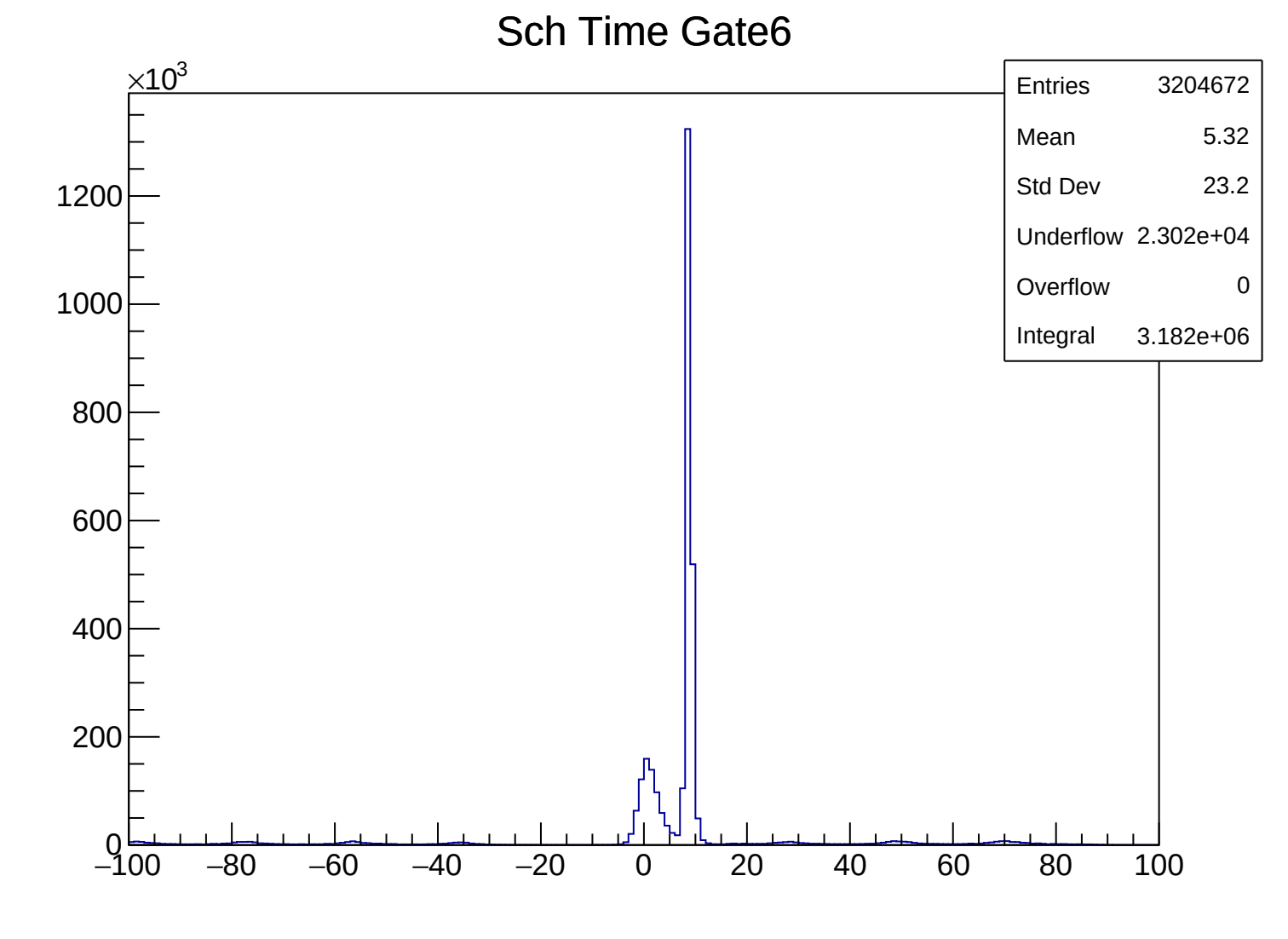

Sch Time Gate1
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2299954
Mean 7.827
Std Dev 3.209
Underflow 0
Overflow 0
Integral 2.3e+06

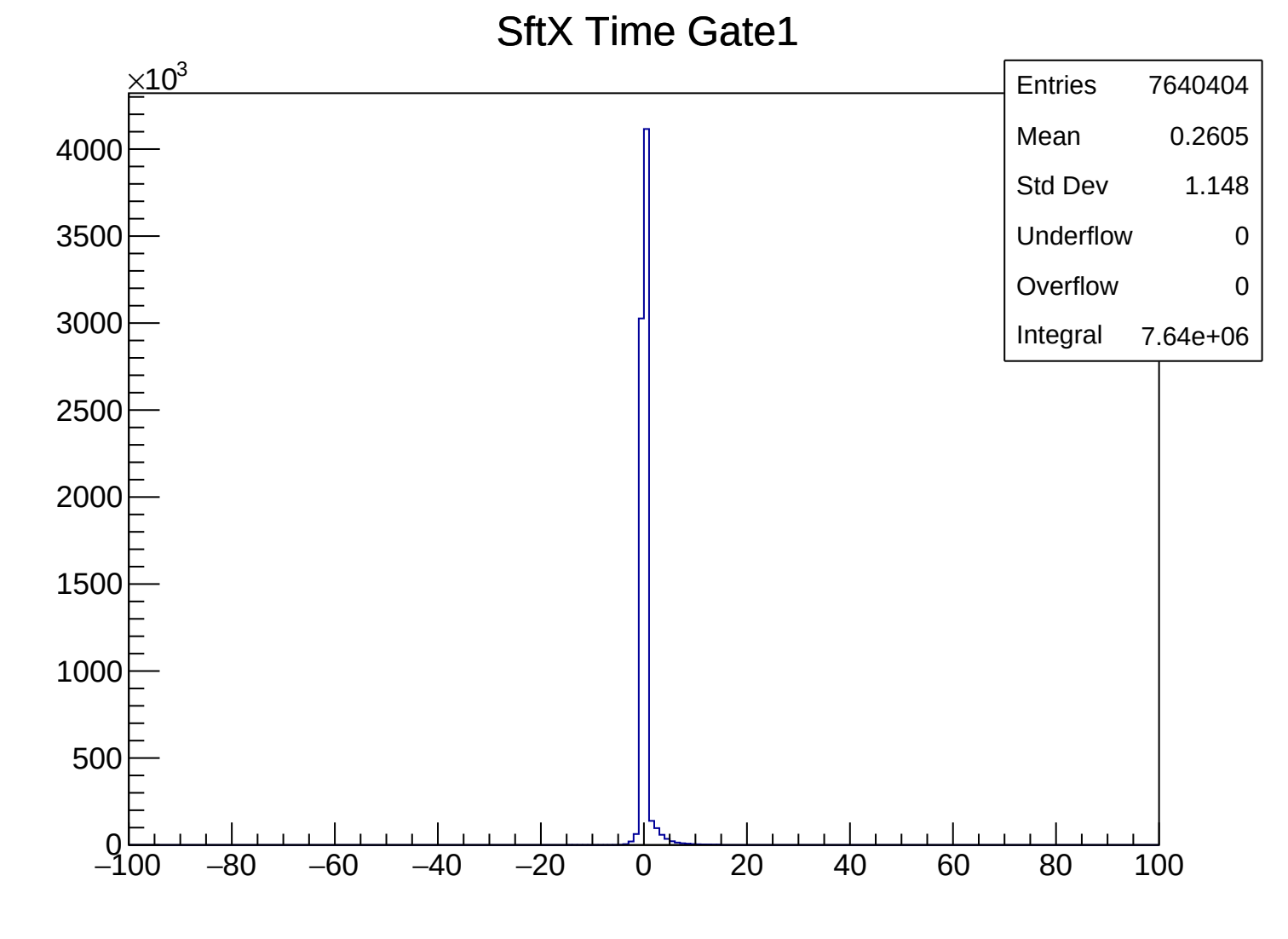

Sch Time Gate2
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2527468
Mean 7.439
Std Dev 4.193
Underflow 0
Overflow 0
Integral 2.527e+06

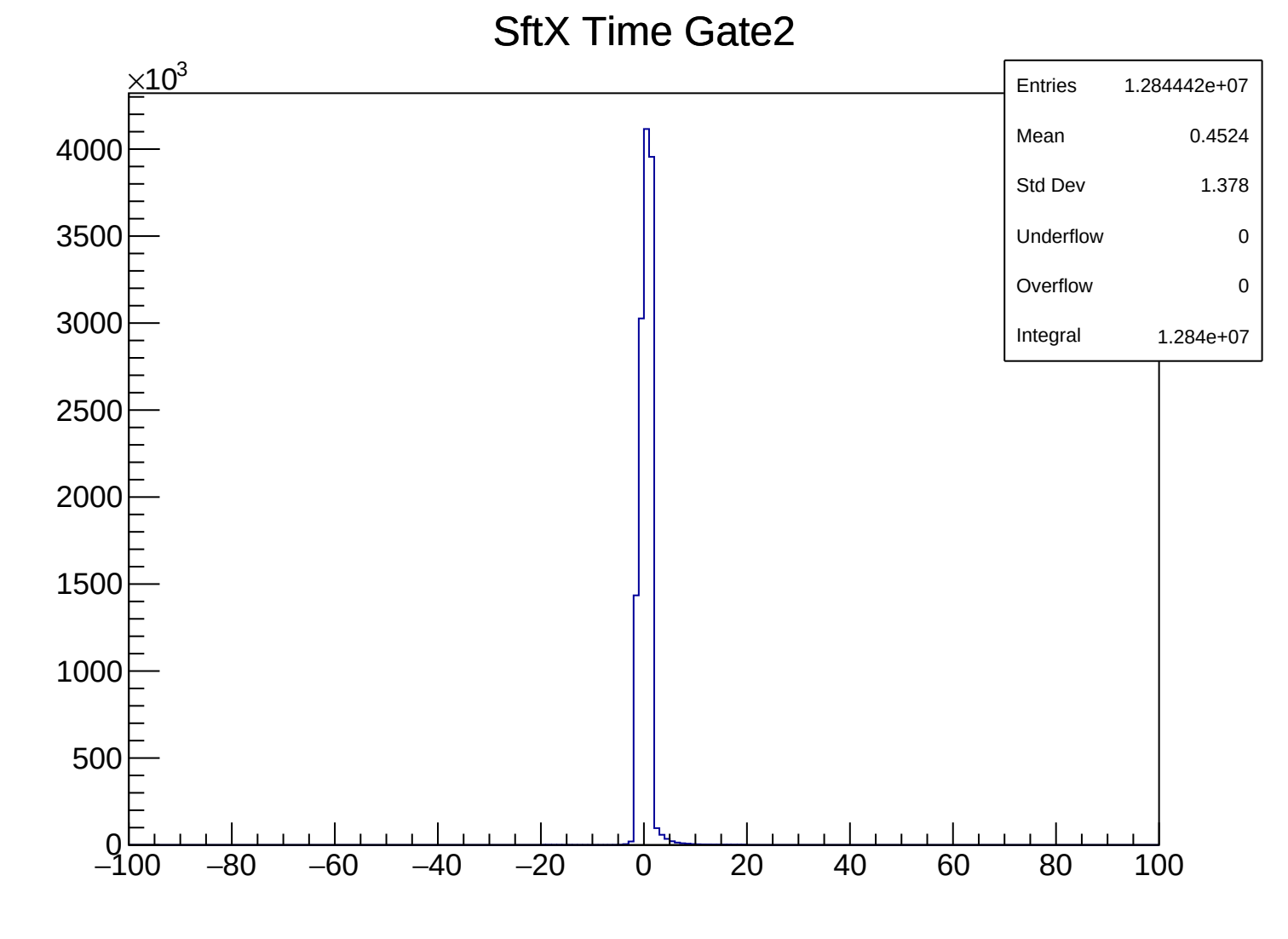

Sch Time Gate3
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2667661
Mean 7.407
Std Dev 4.951
Underflow 0
Overflow 0
Integral 2.668e+06

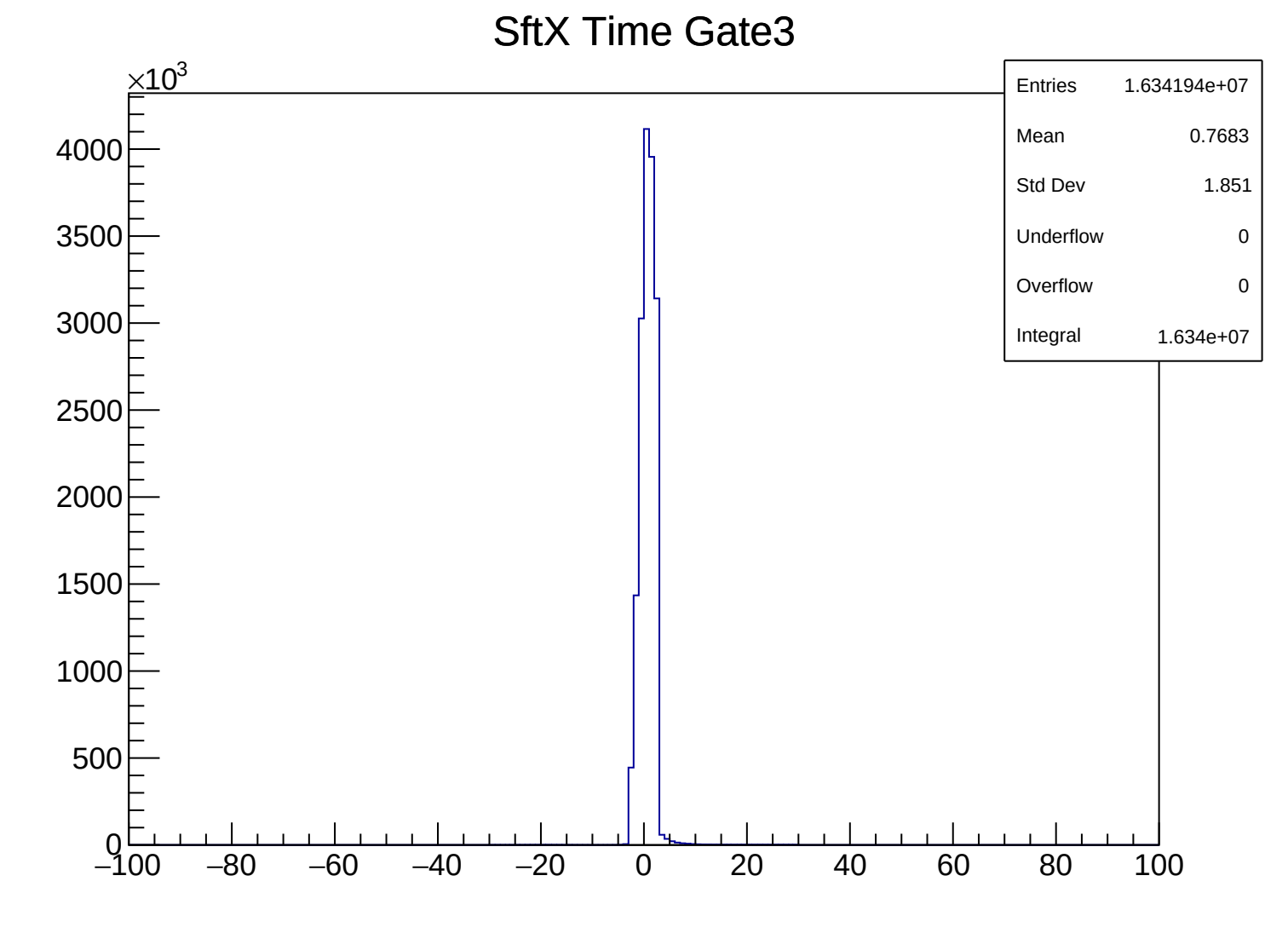

Sch Time Gate4
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2772785
Mean 7.795
Std Dev 6.806
Underflow 0
Overflow 0
Integral 2.773e+06

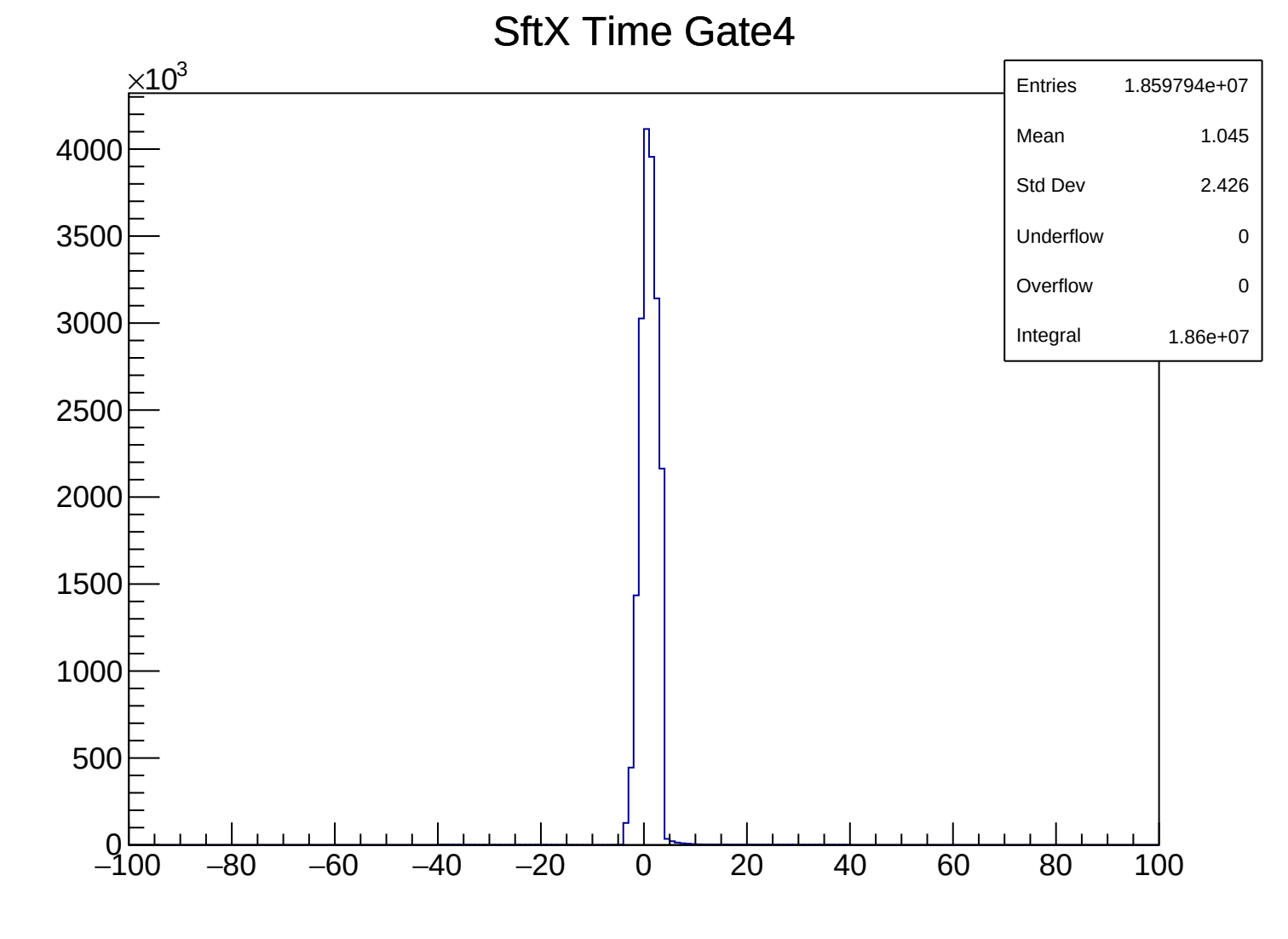

Sch Time Gate5
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2920410
Mean 8.246
Std Dev 11.9
Underflow 0
Overflow 0
Integral 2.92e+06

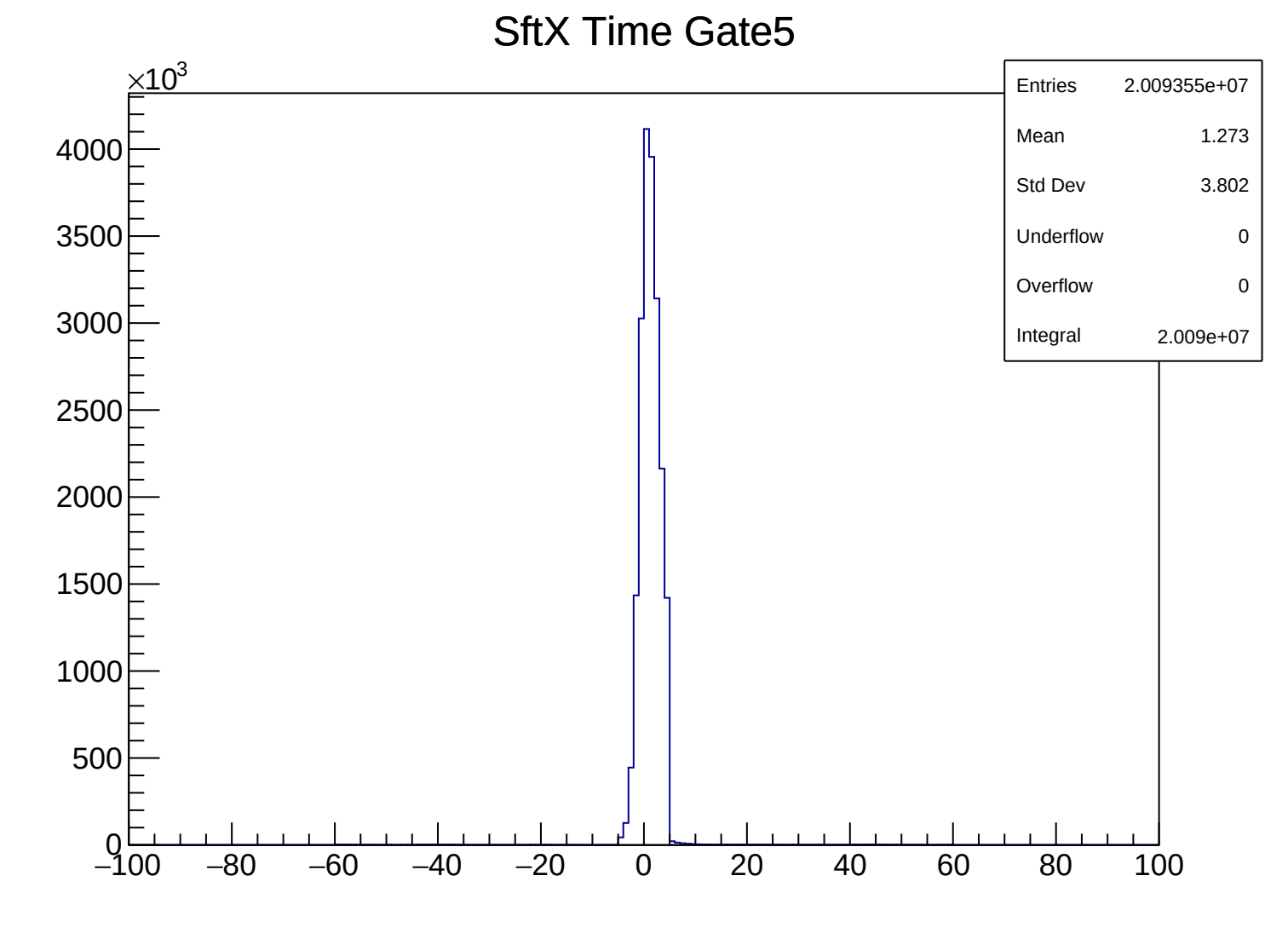

Sch Time Gate6
×10^3
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3204672
Mean 5.32
Std Dev 23.2
Underflow 2.302e+04
Overflow 0
Integral 3.182e+06

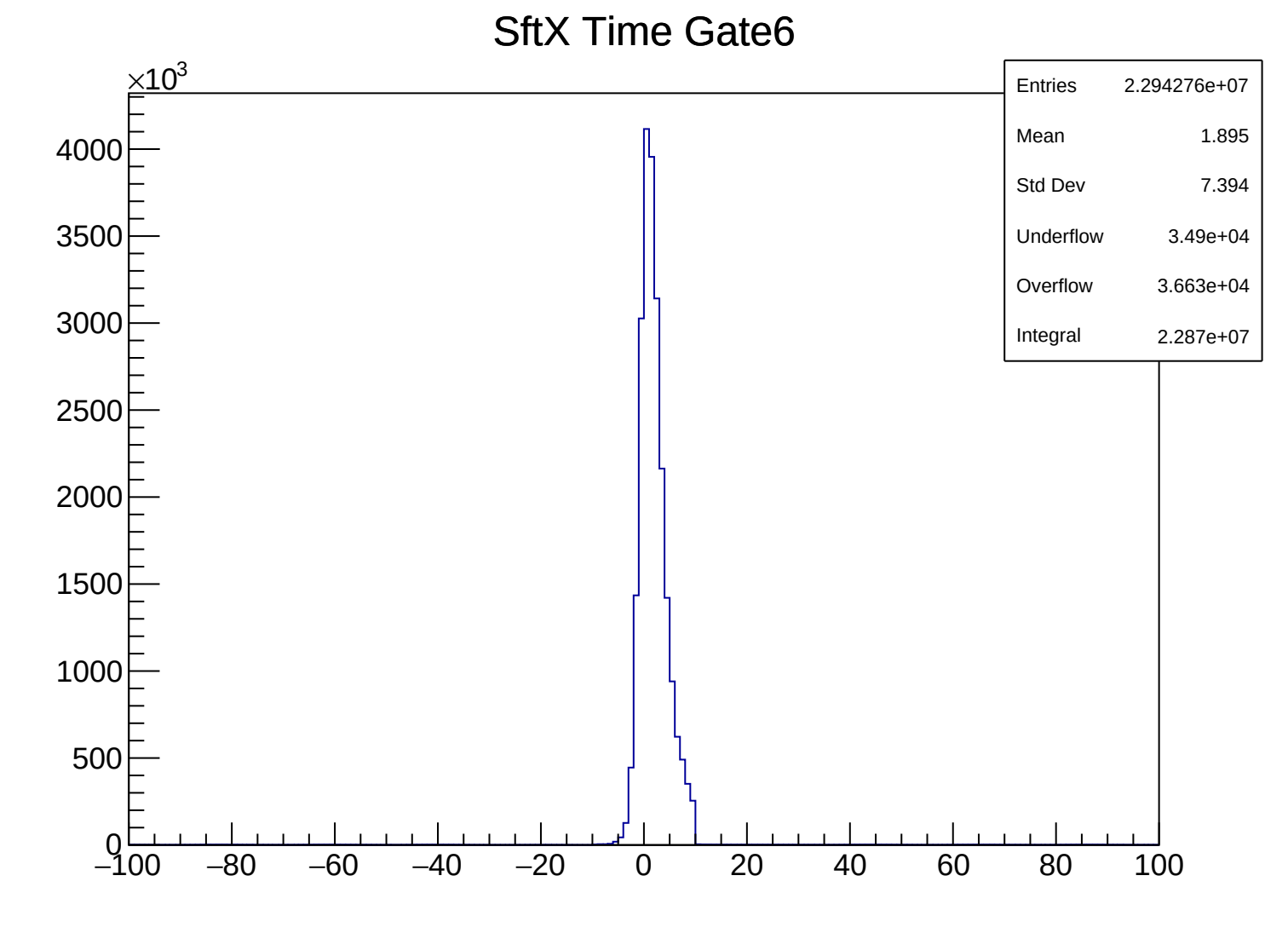

SftX Time Gate1
×10^3
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 7640404
Mean 0.2605
Std Dev 1.148
Underflow 0
Overflow 0
Integral 7.64e+06

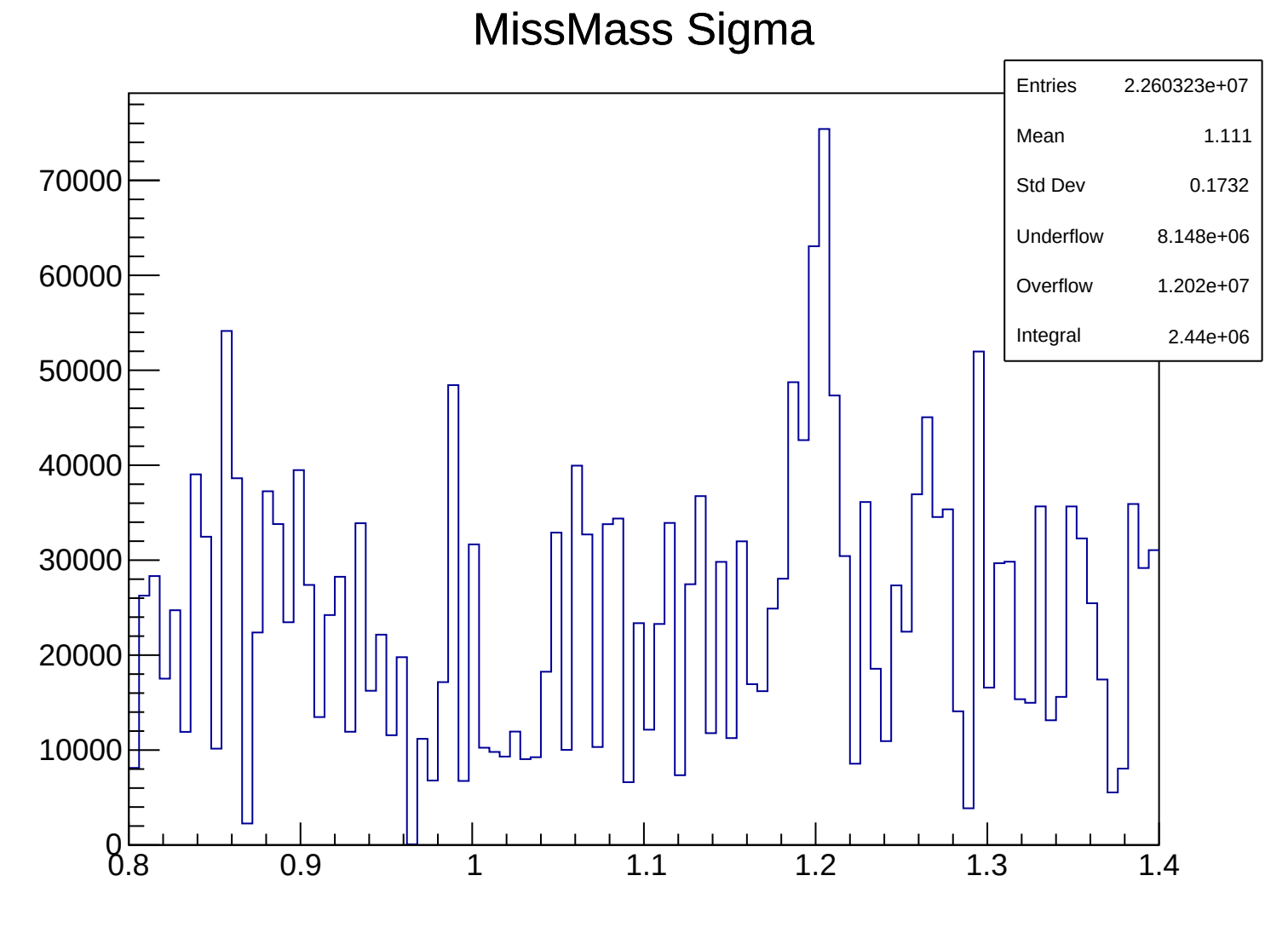

SftX Time Gate2
×10^3
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1.284442e+07
Mean 0.4524
Std Dev 1.378
Underflow 0
Overflow 0
Integral 1.284e+07

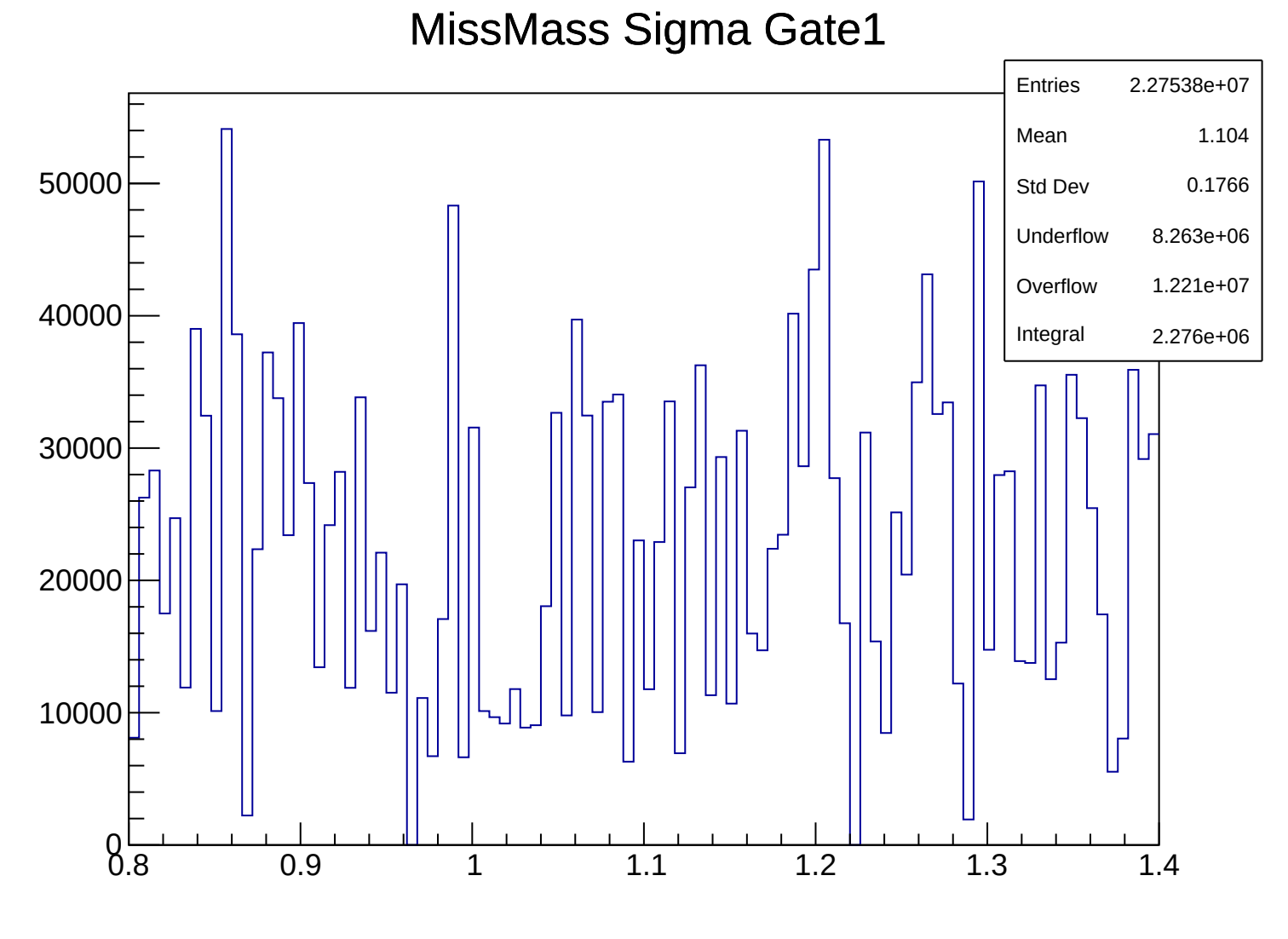

SftX Time Gate3
×10^3
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1.634194e+07
Mean 0.7683
Std Dev 1.851
Underflow 0
Overflow 0
Integral 1.634e+07

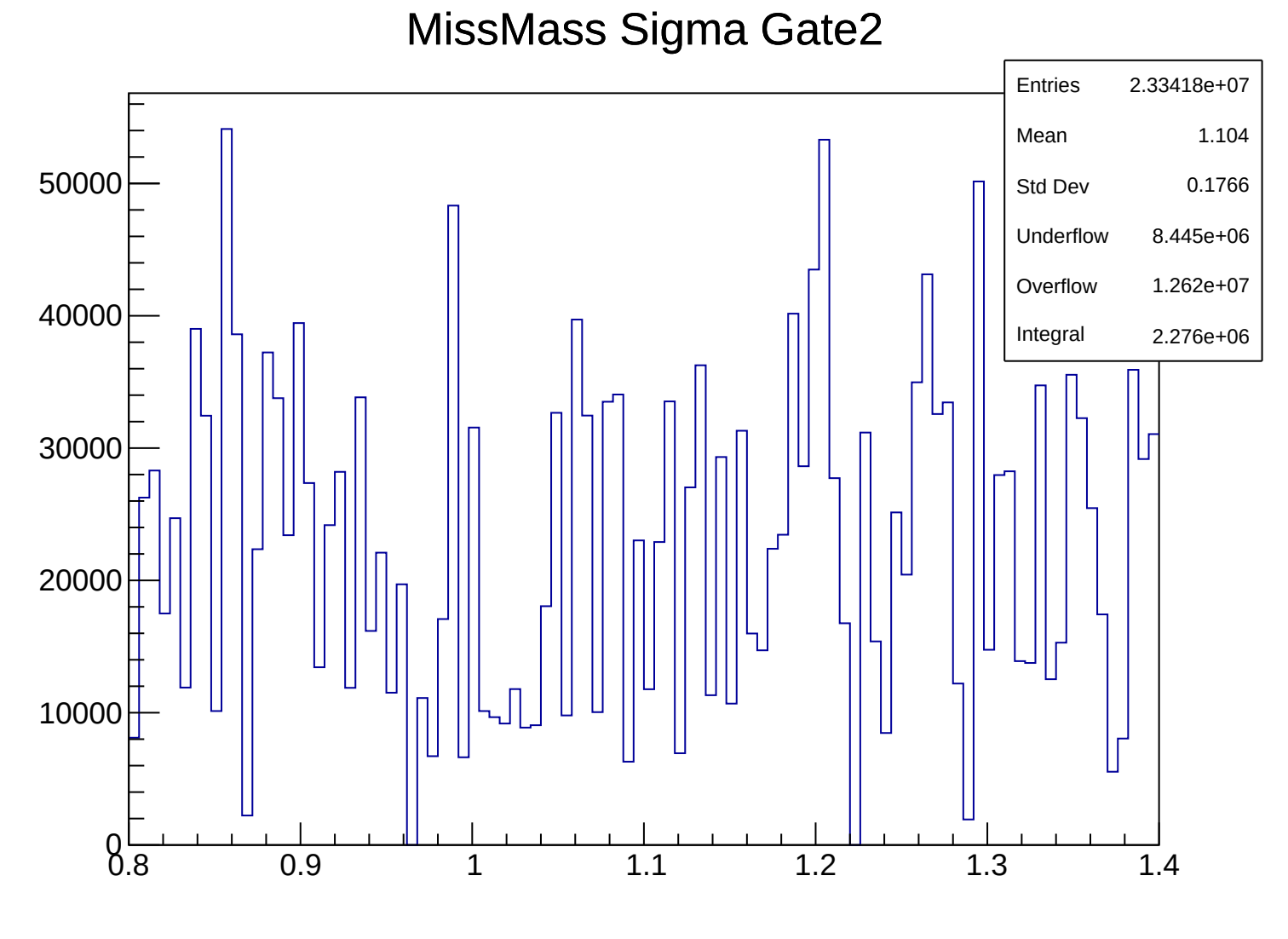

SftX Time Gate4
×10^3
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1.859794e+07
Mean 1.045
Std Dev 2.426
Underflow 0
Overflow 0
Integral 1.86e+07

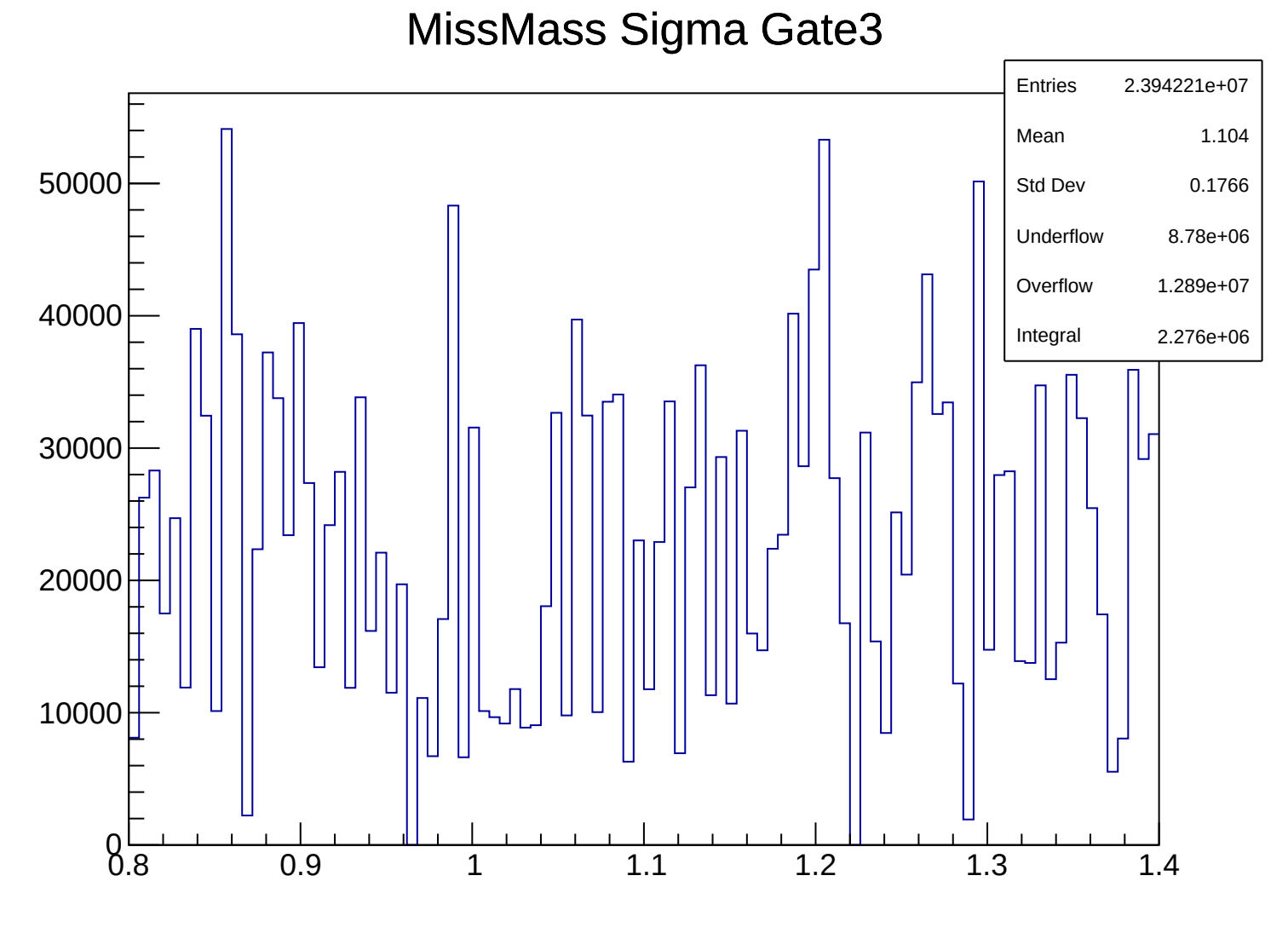

SftX Time Gate5
×10^3
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2.009355e+07
Mean 1.273
Std Dev 3.802
Underflow 0
Overflow 0
Integral 2.009e+07

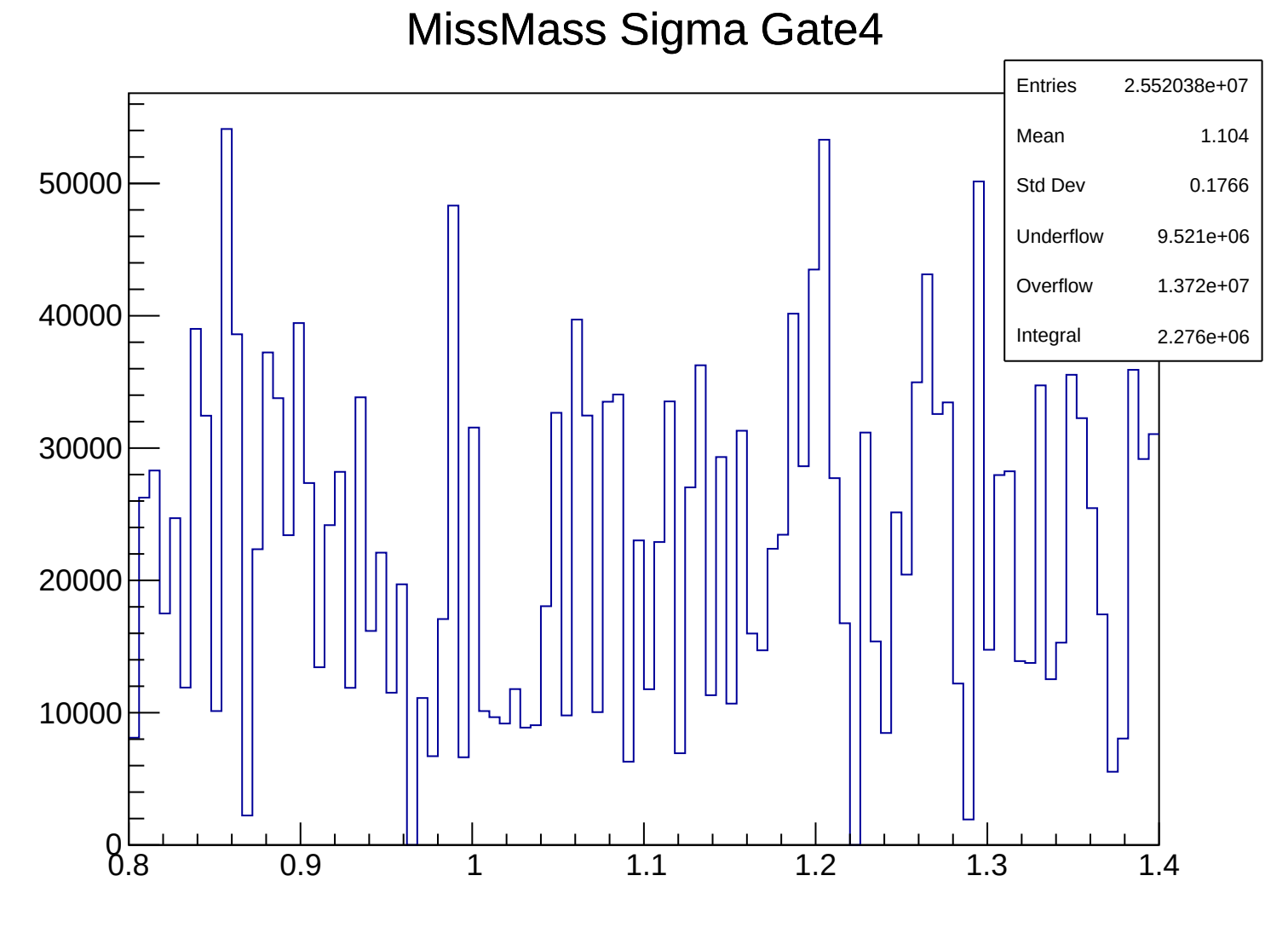

SftX Time Gate6
×10^3
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 2.294276e+07
Mean 1.895
Std Dev 7.394
Underflow 3.49e+04
Overflow 3.663e+04
Integral 2.287e+07

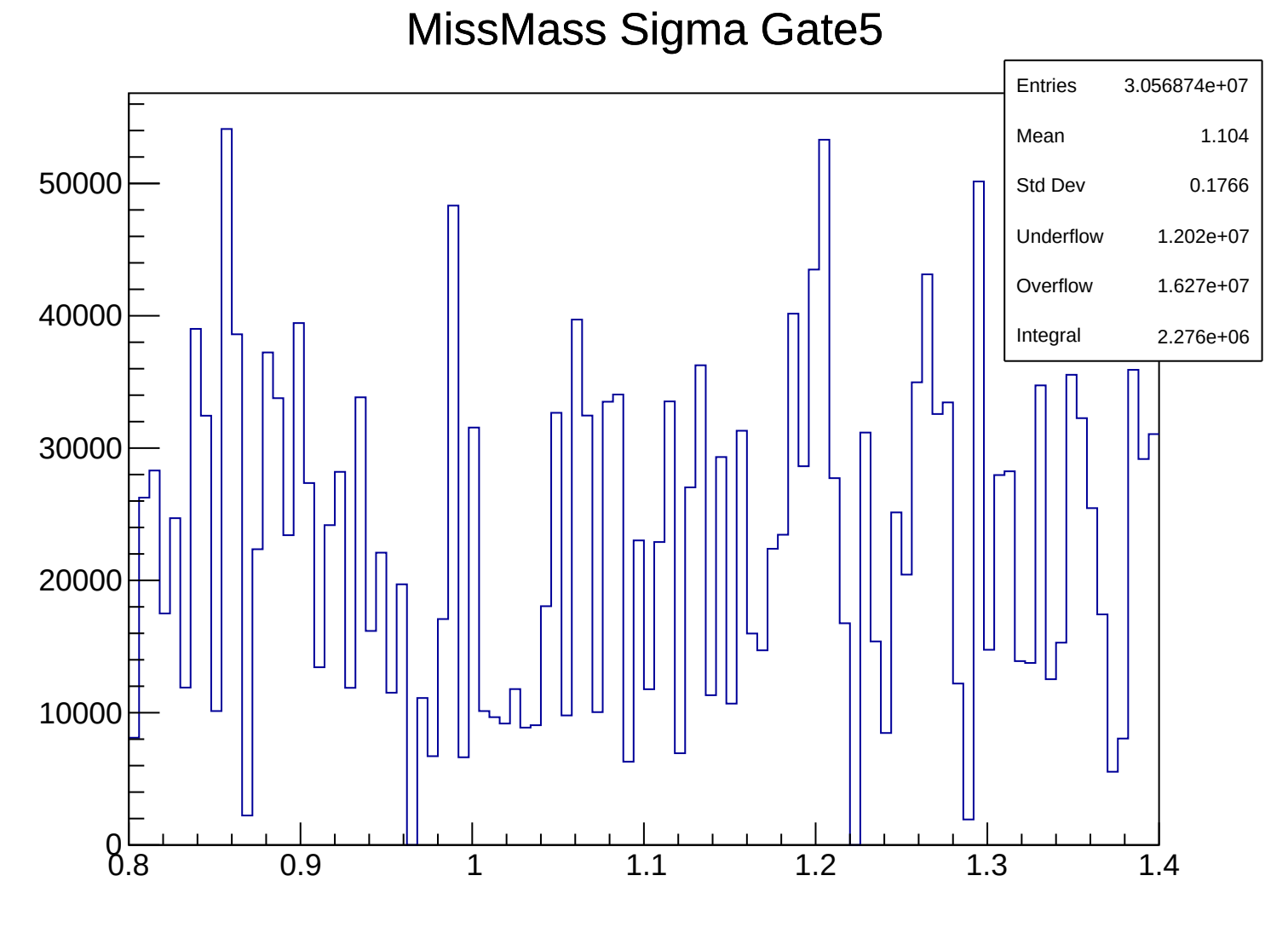

MissMass Sigma
Entries 2.260323e+07
Mean 1.111
Std Dev 0.1732
Underflow 8.148e+06
Overflow 1.202e+07
Integral 2.44e+06
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4

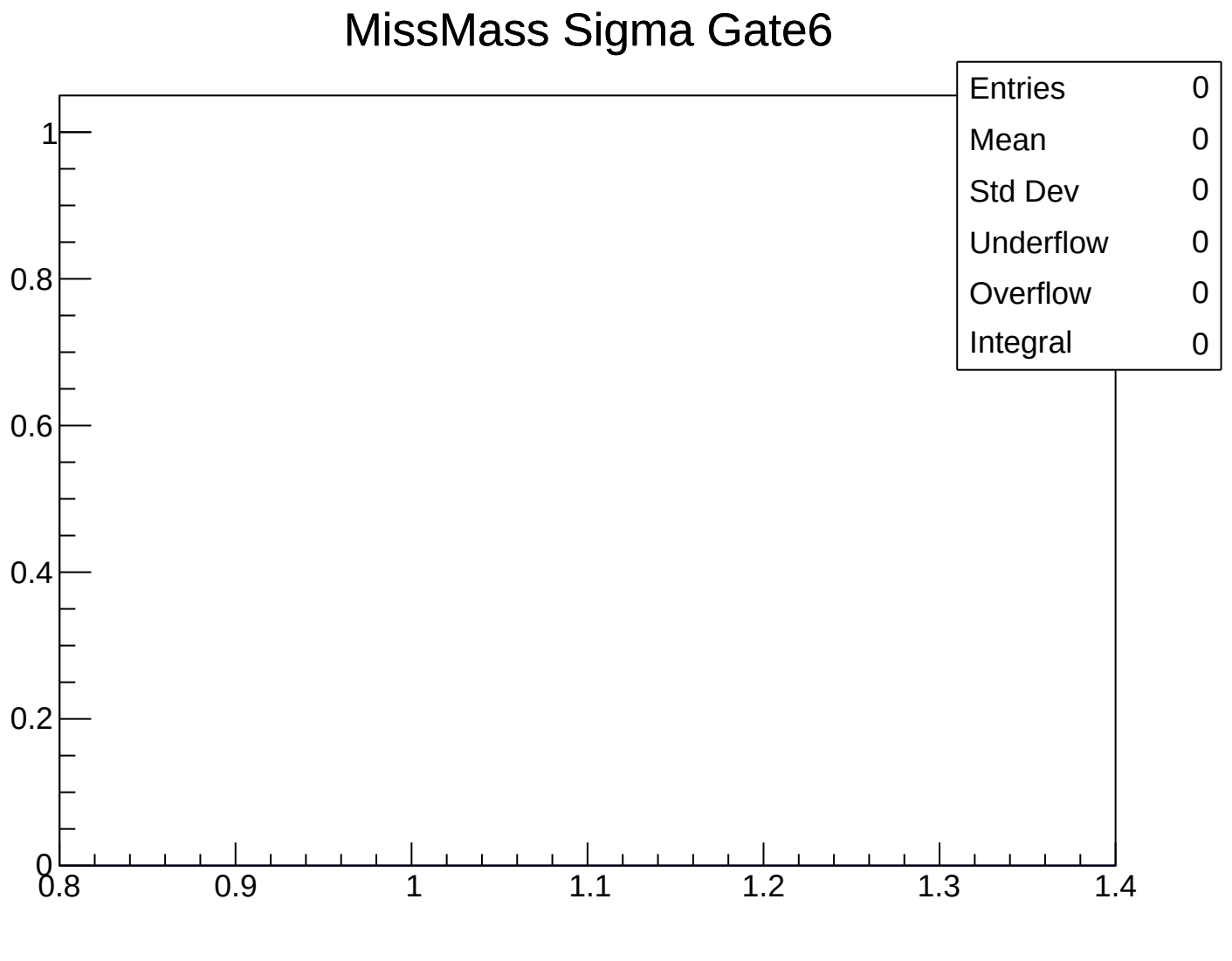

MissMass Sigma Gate1
Entries 2.27538e+07
Mean 1.104
Std Dev 0.1766
Underflow 8.263e+06
Overflow 1.221e+07
Integral 2.276e+06
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4

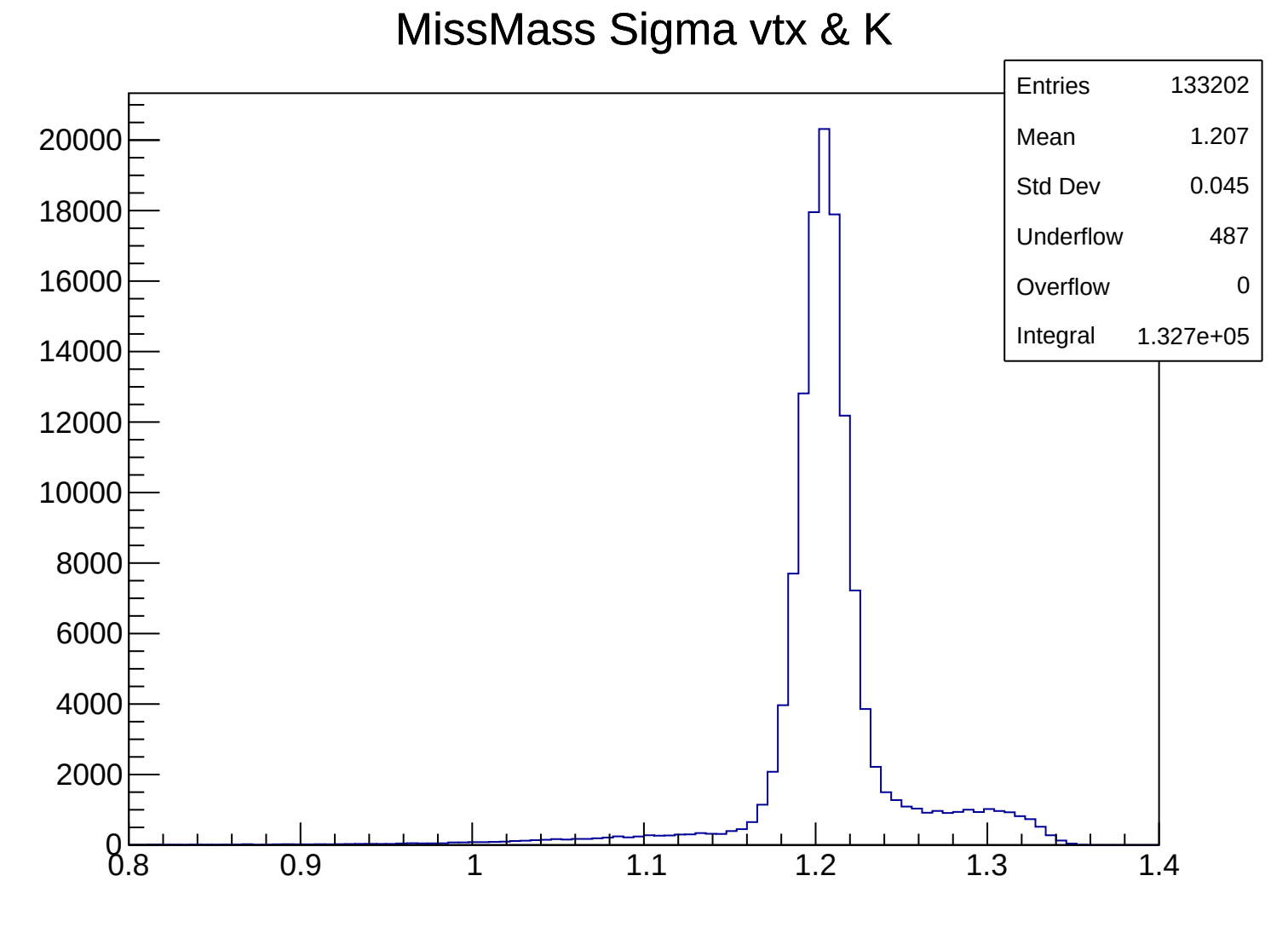

MissMass Sigma Gate2
Entries 2.33418e+07
Mean 1.104
Std Dev 0.1766
Underflow 8.445e+06
Overflow 1.262e+07
Integral 2.276e+06
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4

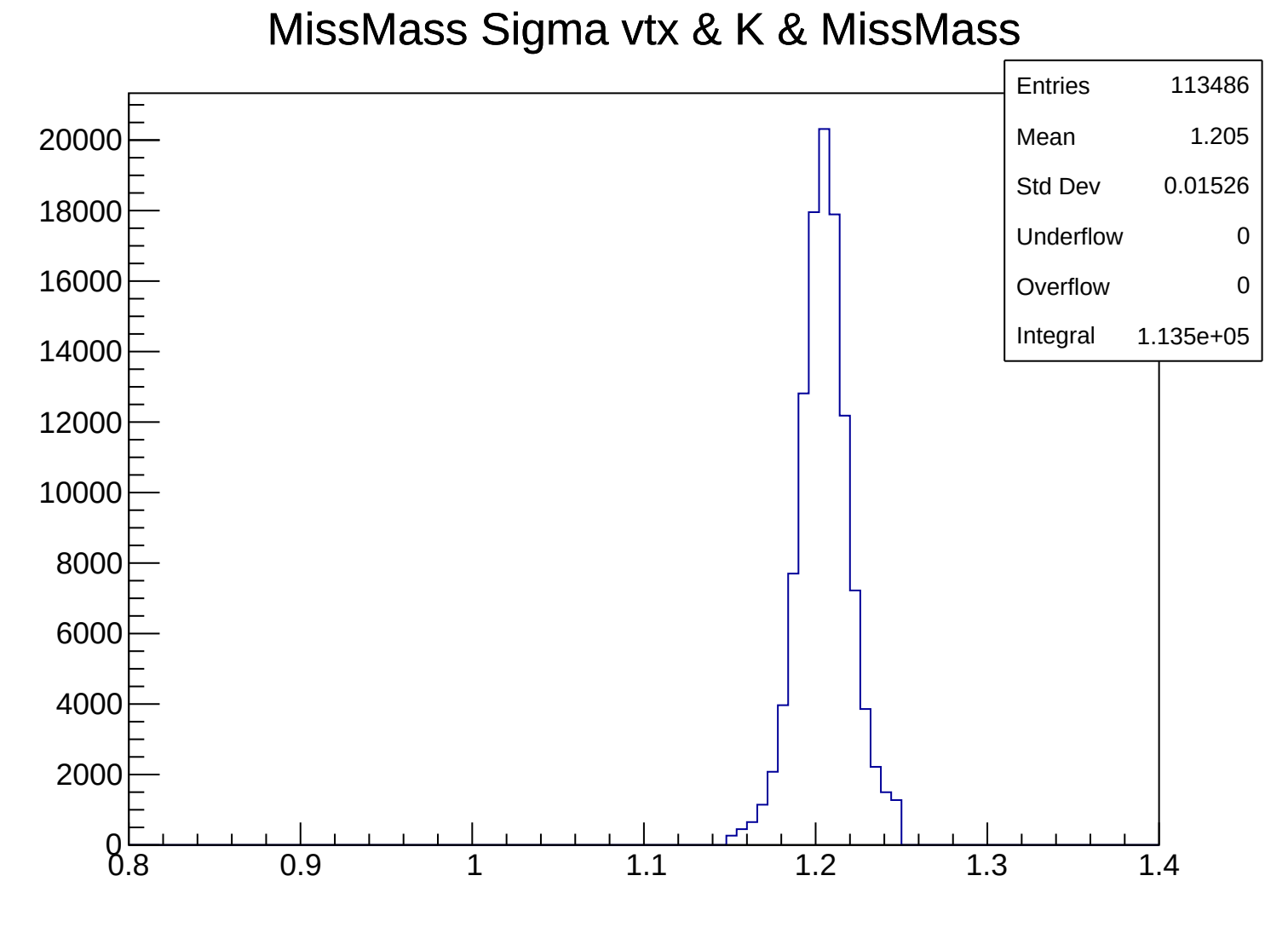

MissMass Sigma Gate3
Entries 2.394221e+07
Mean 1.104
Std Dev 0.1766
Underflow 8.78e+06
Overflow 1.289e+07
Integral 2.276e+06
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4

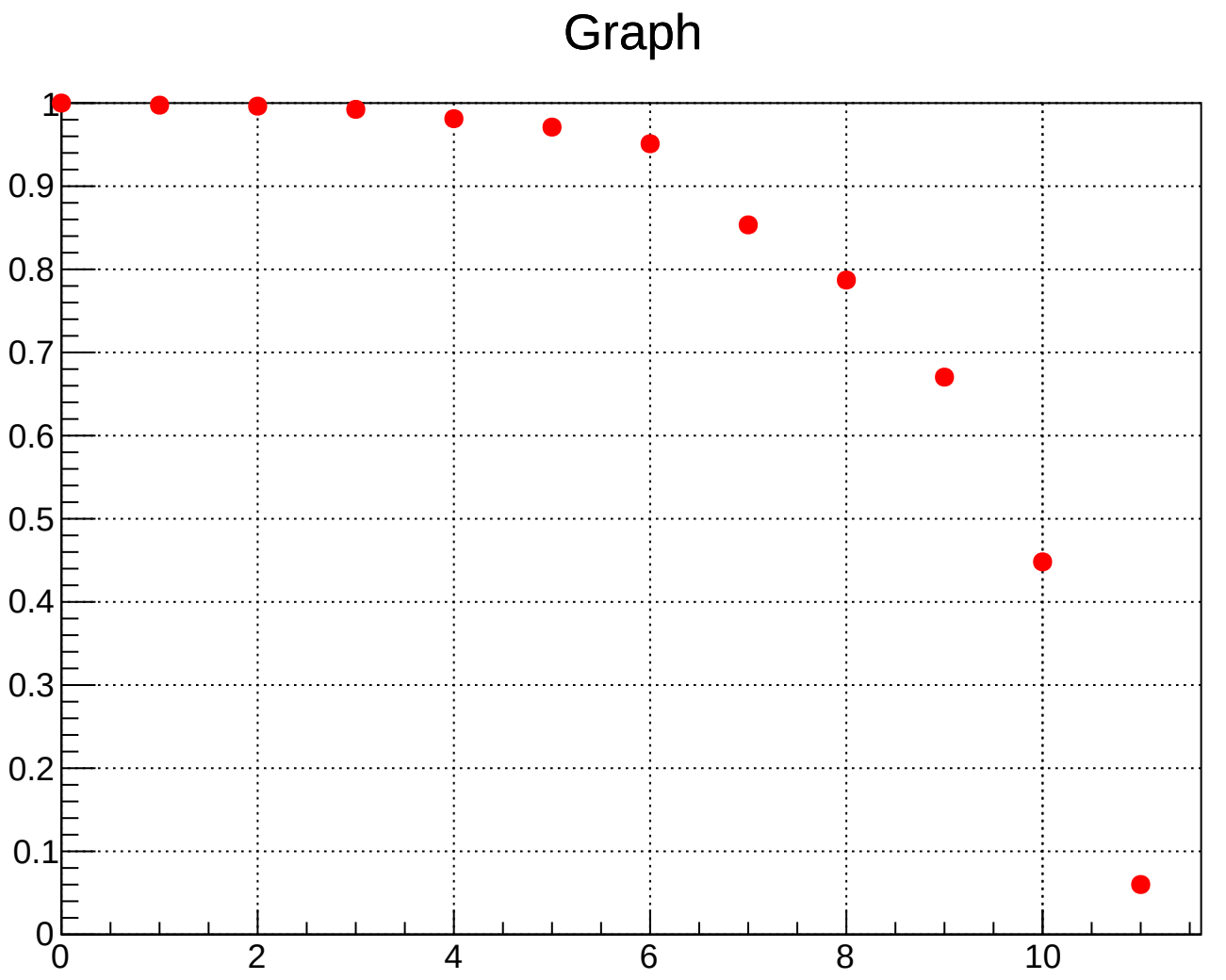

MissMass Sigma Gate4
Entries 2.552038e+07
Mean 1.104
Std Dev 0.1766
Underflow 9.521e+06
Overflow 1.372e+07
Integral 2.276e+06
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4

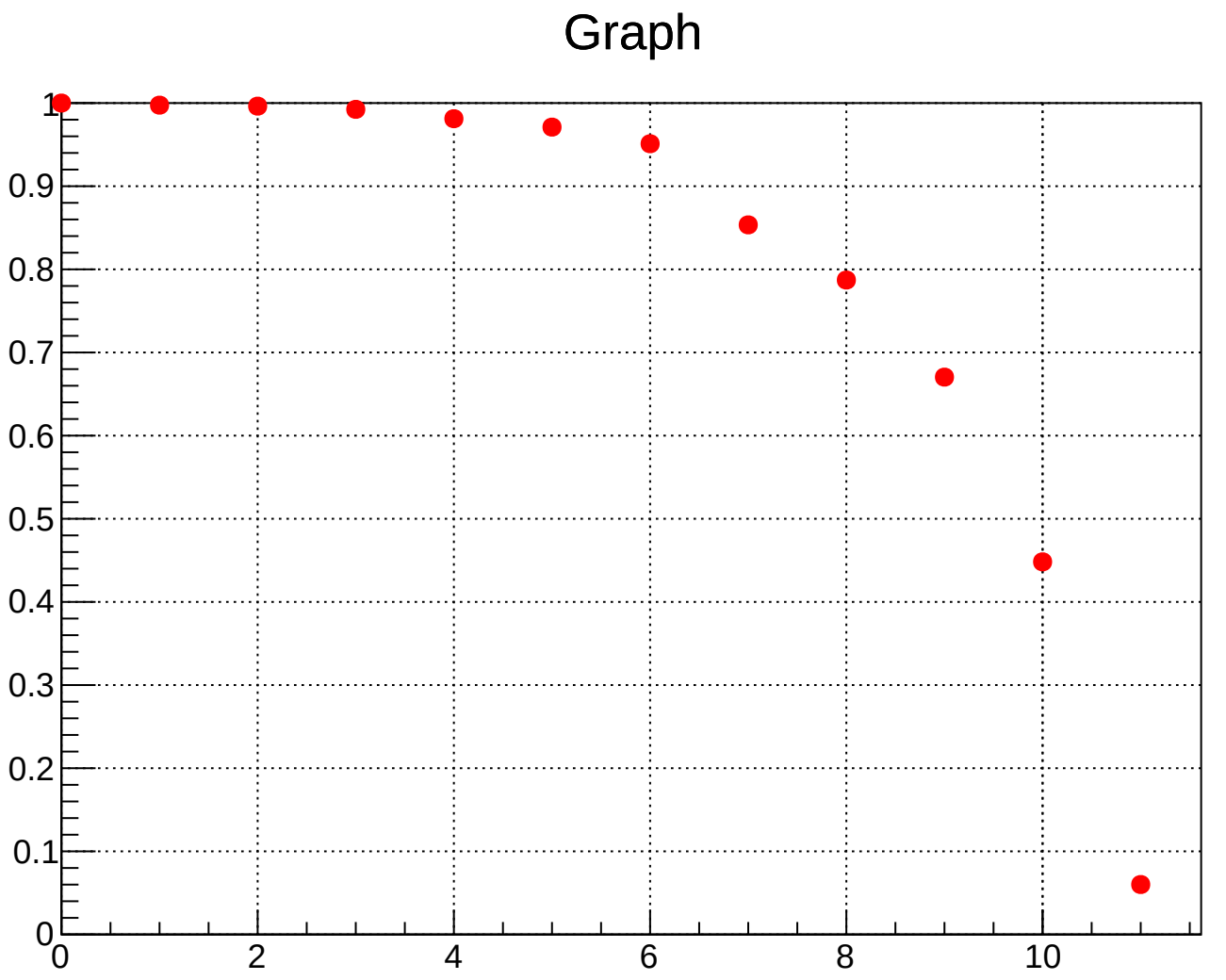

MissMass Sigma Gate5
Entries 3.056874e+07
Mean 1.104
Std Dev 0.1766
Underflow 1.202e+07
Overflow 1.627e+07
Integral 2.276e+06
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4


MissMass Sigma Gate6
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0.8
0.9
1
1.1
1.2
1.3
1.4


MissMass Sigma vtx & K
Entries 133202
Mean 1.207
Std Dev 0.045
Underflow 487
Overflow 0
Integral 1.327e+05
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0.8
0.9
1
1.1
1.2
1.3
1.4


MissMass Sigma vtx & K & MissMass
Entries 113486
Mean 1.205
Std Dev 0.01526
Underflow 0
Overflow 0
Integral 1.135e+05
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0.8
0.9
1
1.1
1.2
1.3
1.4


Graph
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
2
4
6
8
10


Graph
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
2
4
6
8
10