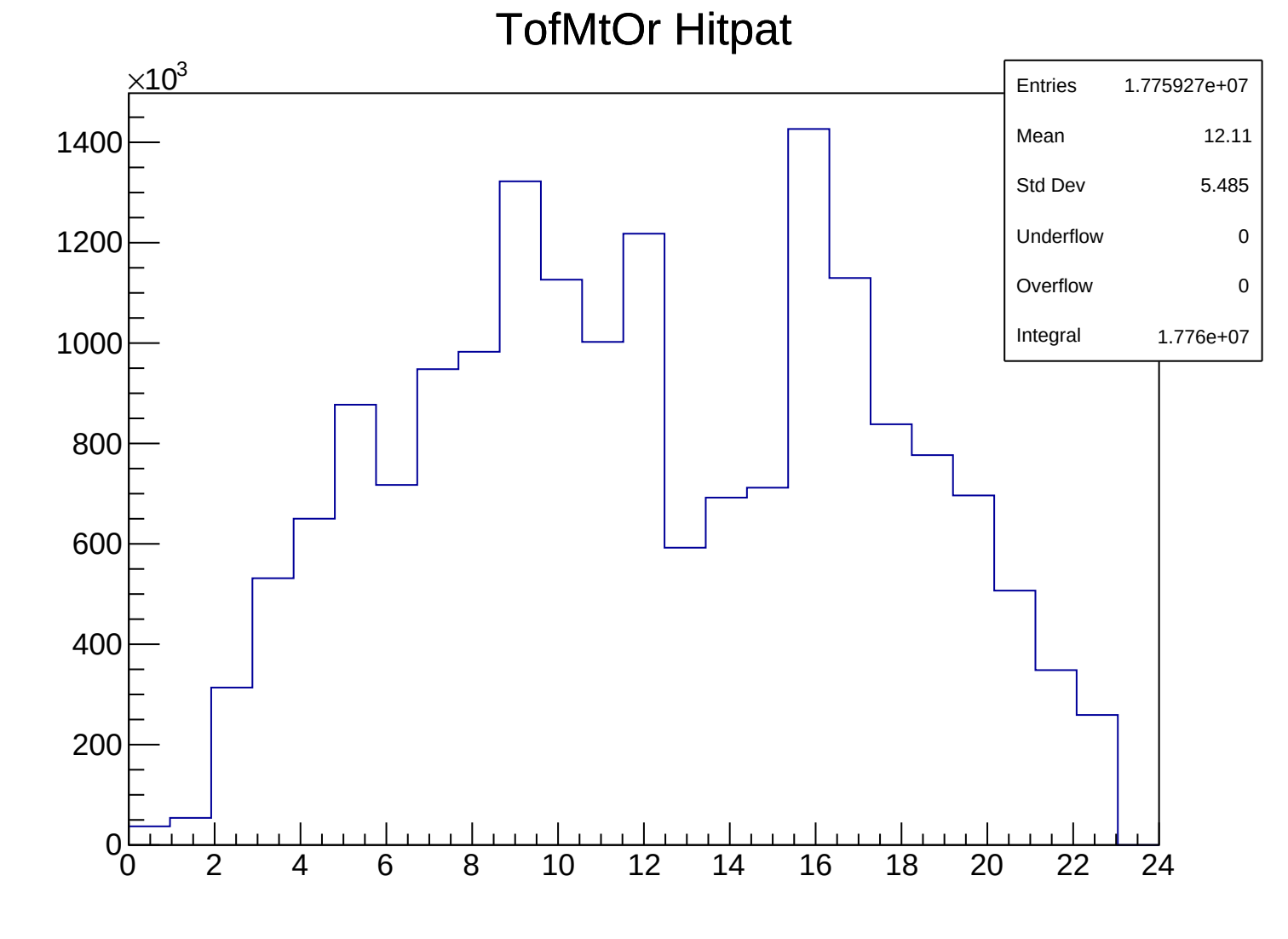
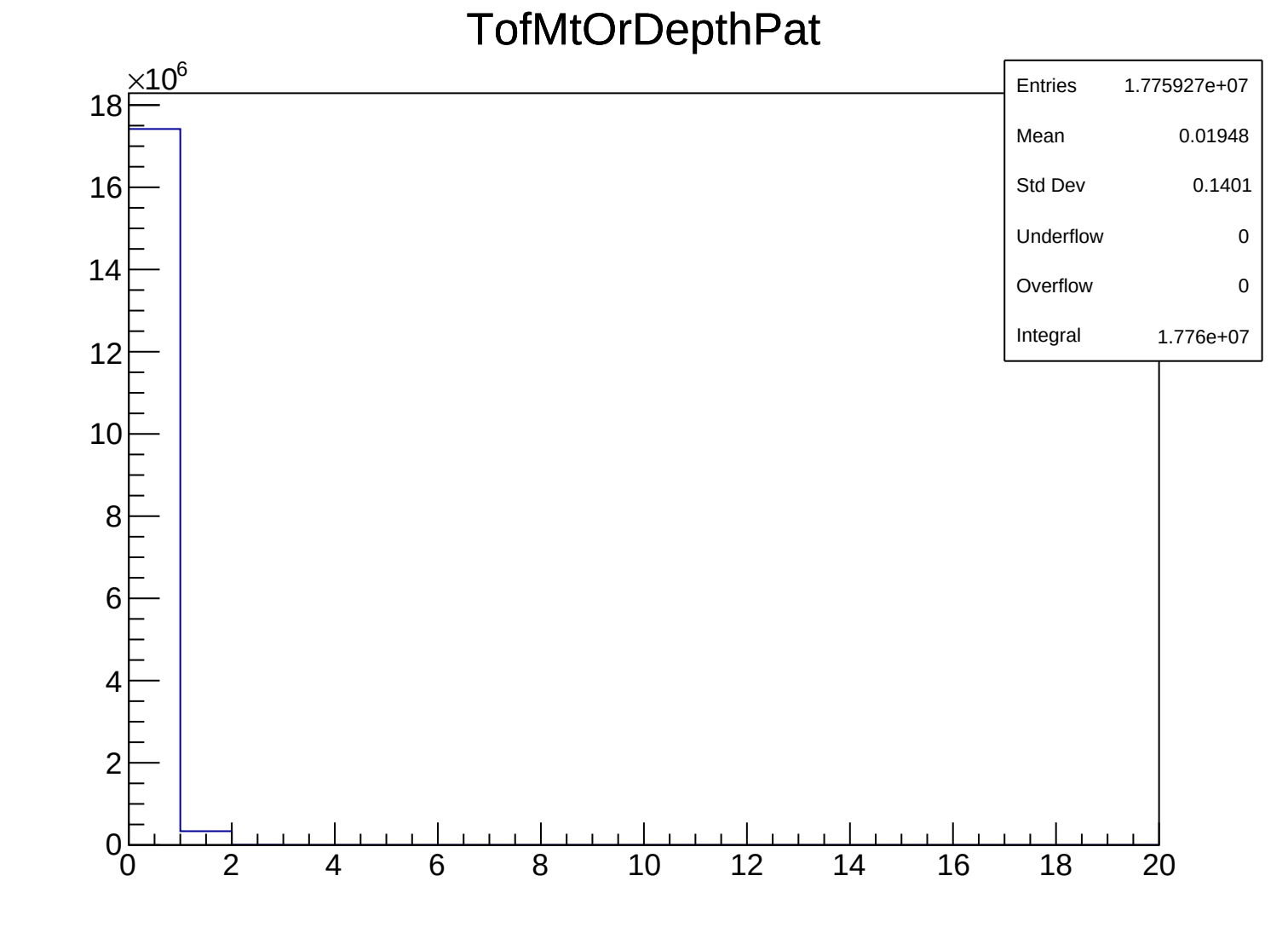
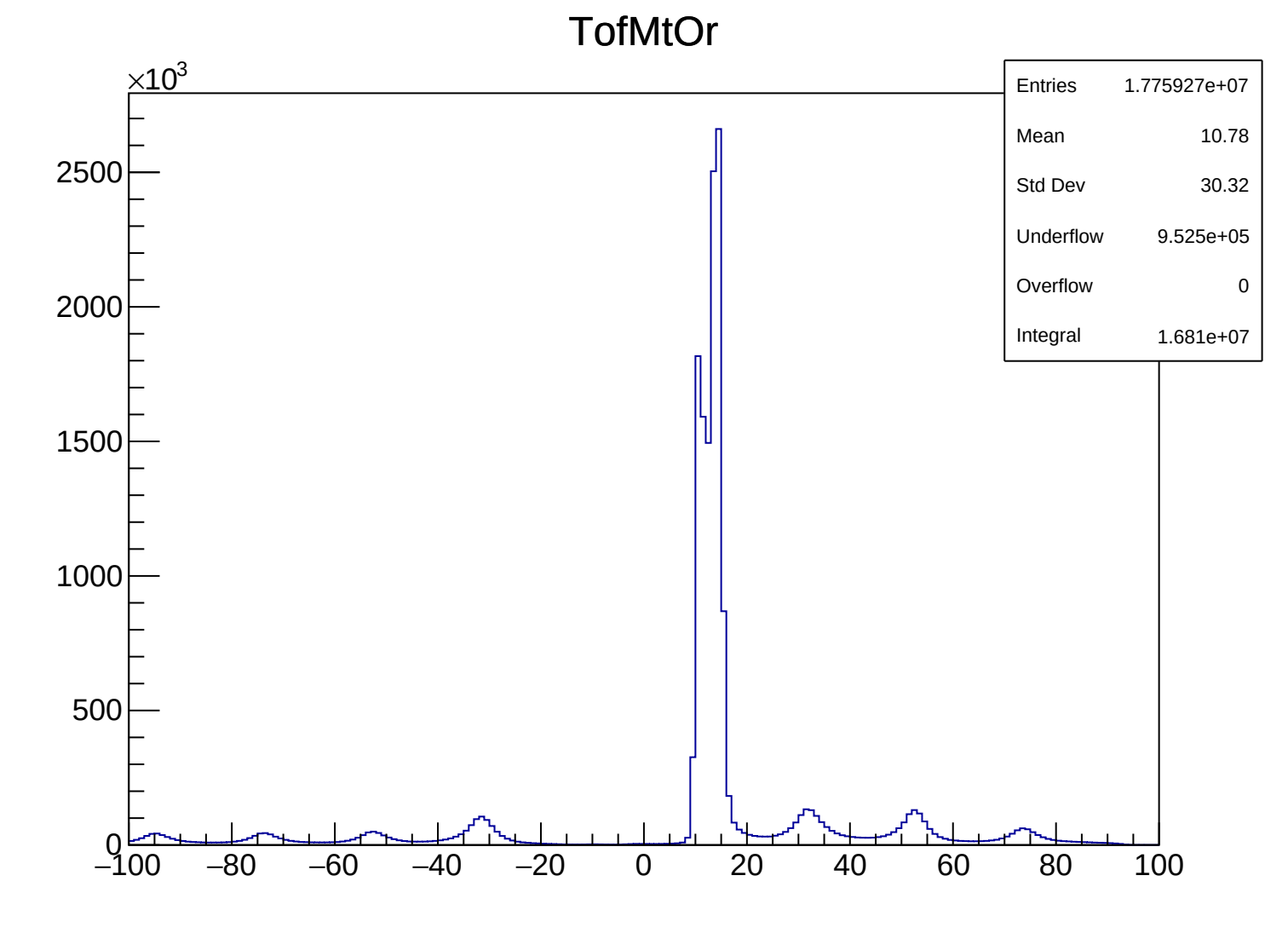
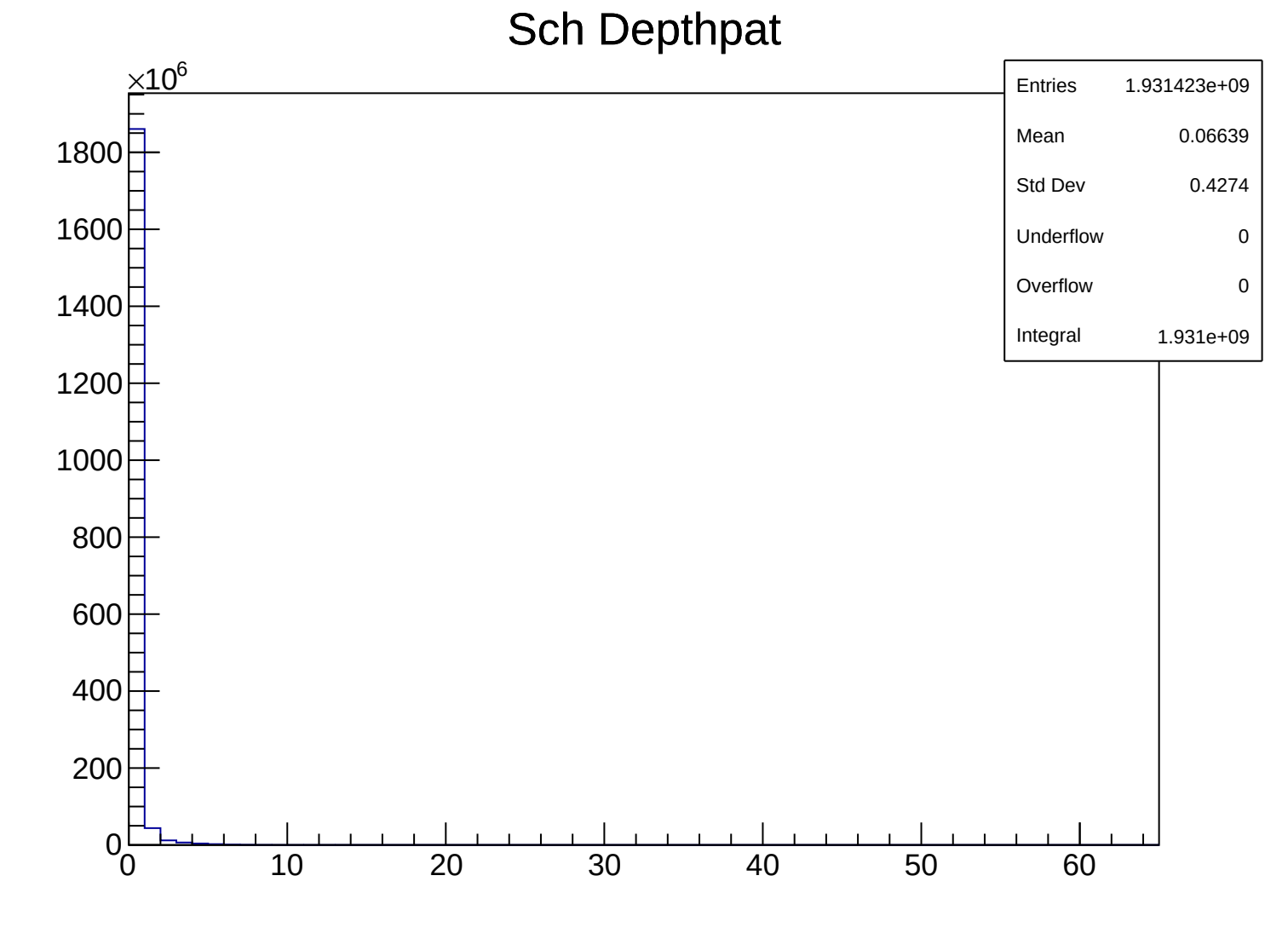
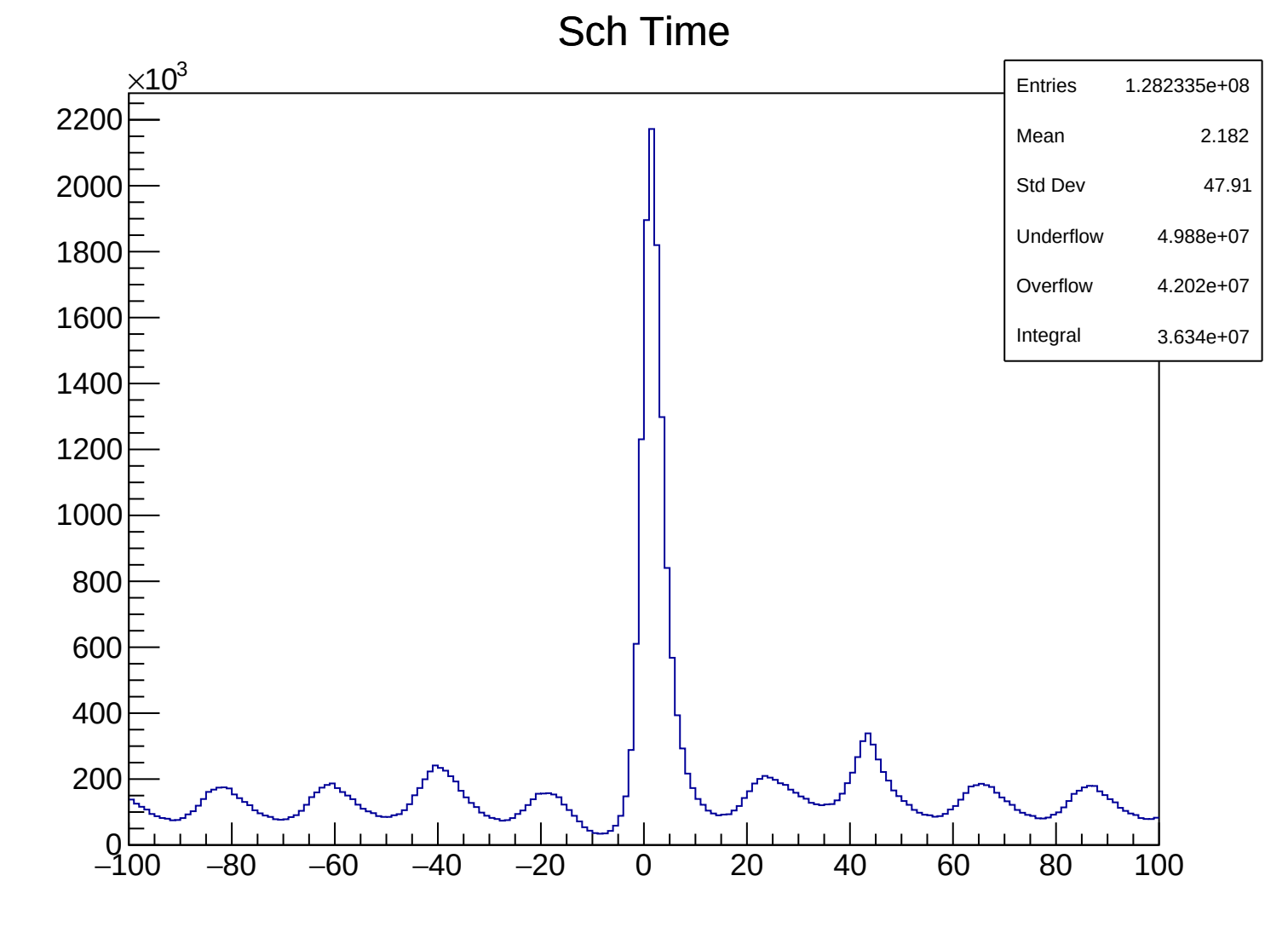
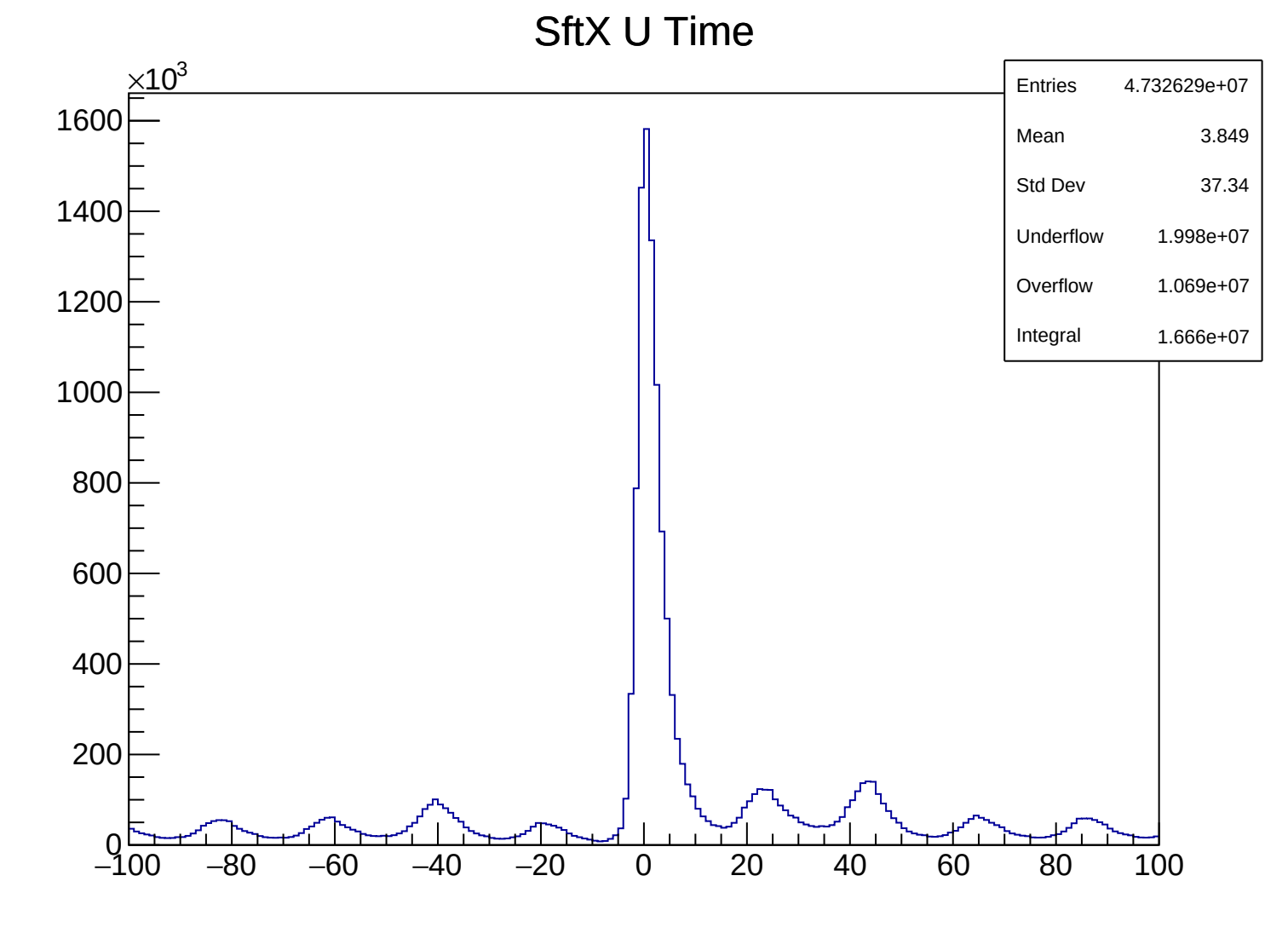

TofMtOr Hitpat
×10^3
1400
1200
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
16
18
20
22
24
Entries 1.775927e+07
Mean 12.11
Std Dev 5.485
Underflow 0
Overflow 0
Integral 1.776e+07

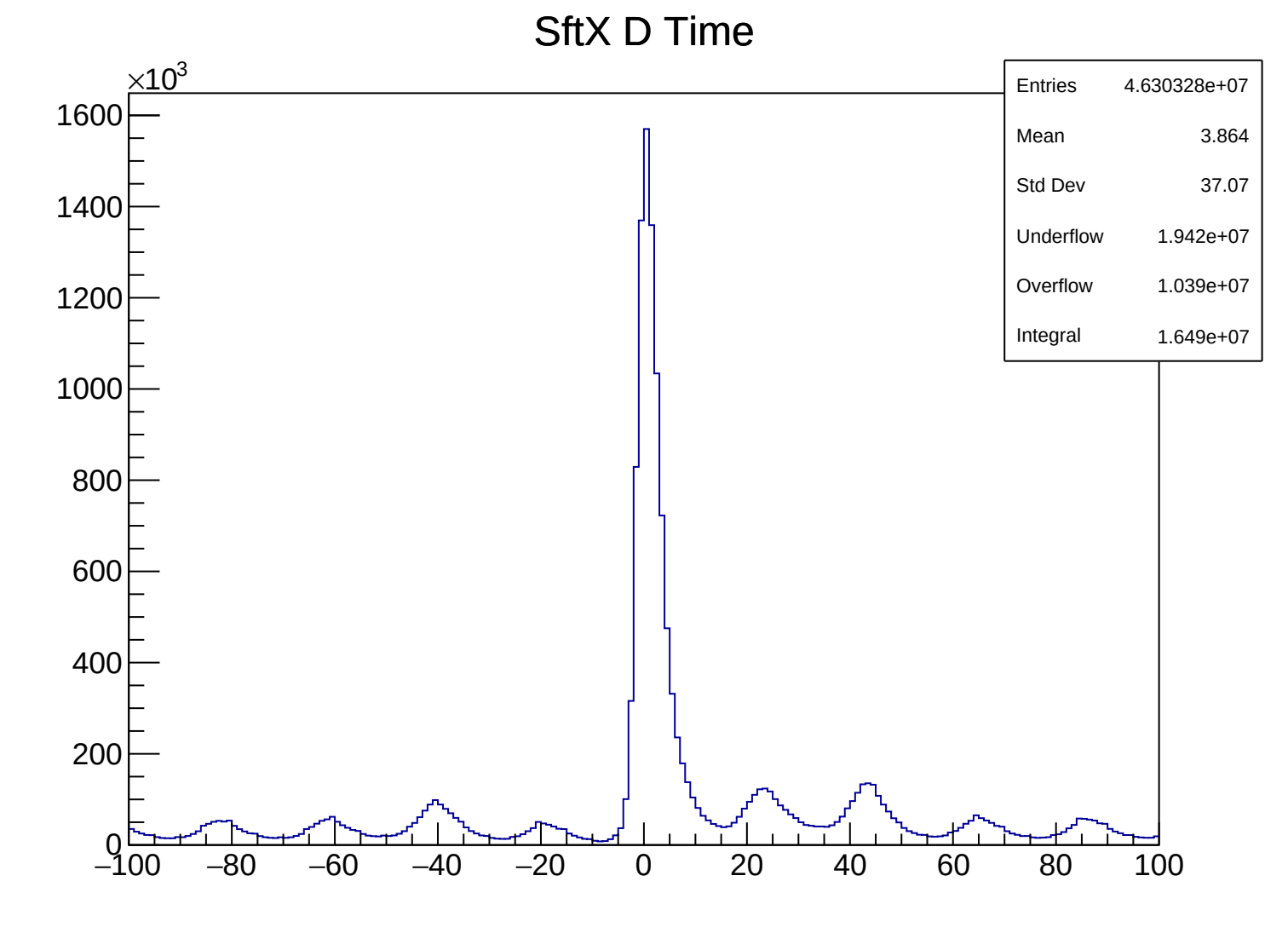

TofMtOrDepthPat
×10^6
18
16
14
12
10
8
6
4
2
0
0
2
4
6
8
10
12
14
16
18
20
Entries 1.775927e+07
Mean 0.01948
Std Dev 0.1401
Underflow 0
Overflow 0
Integral 1.776e+07

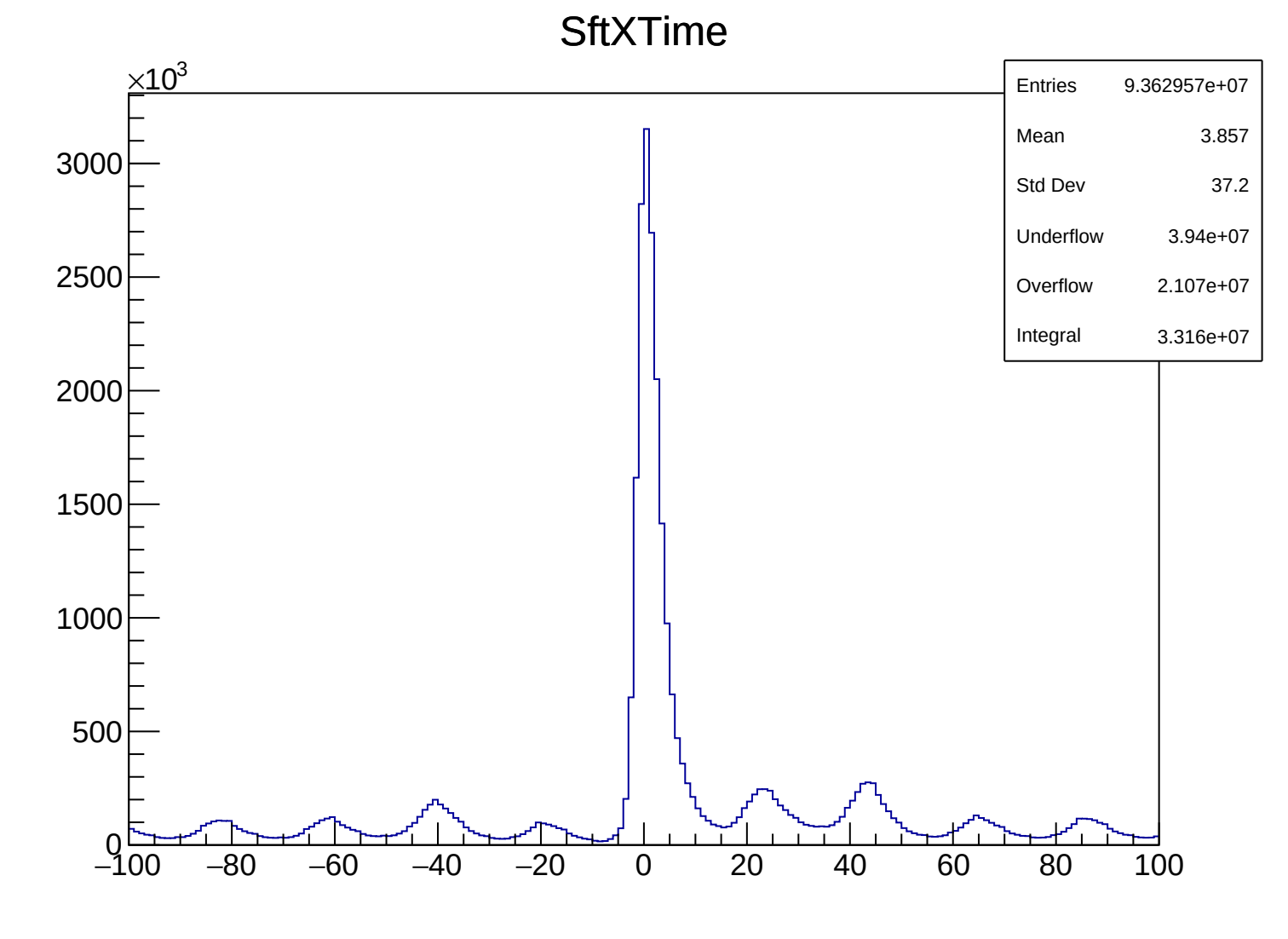

TofMtOr
×10^3
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1.775927e+07
Mean 10.78
Std Dev 30.32
Underflow 9.525e+05
Overflow 0
Integral 1.681e+07

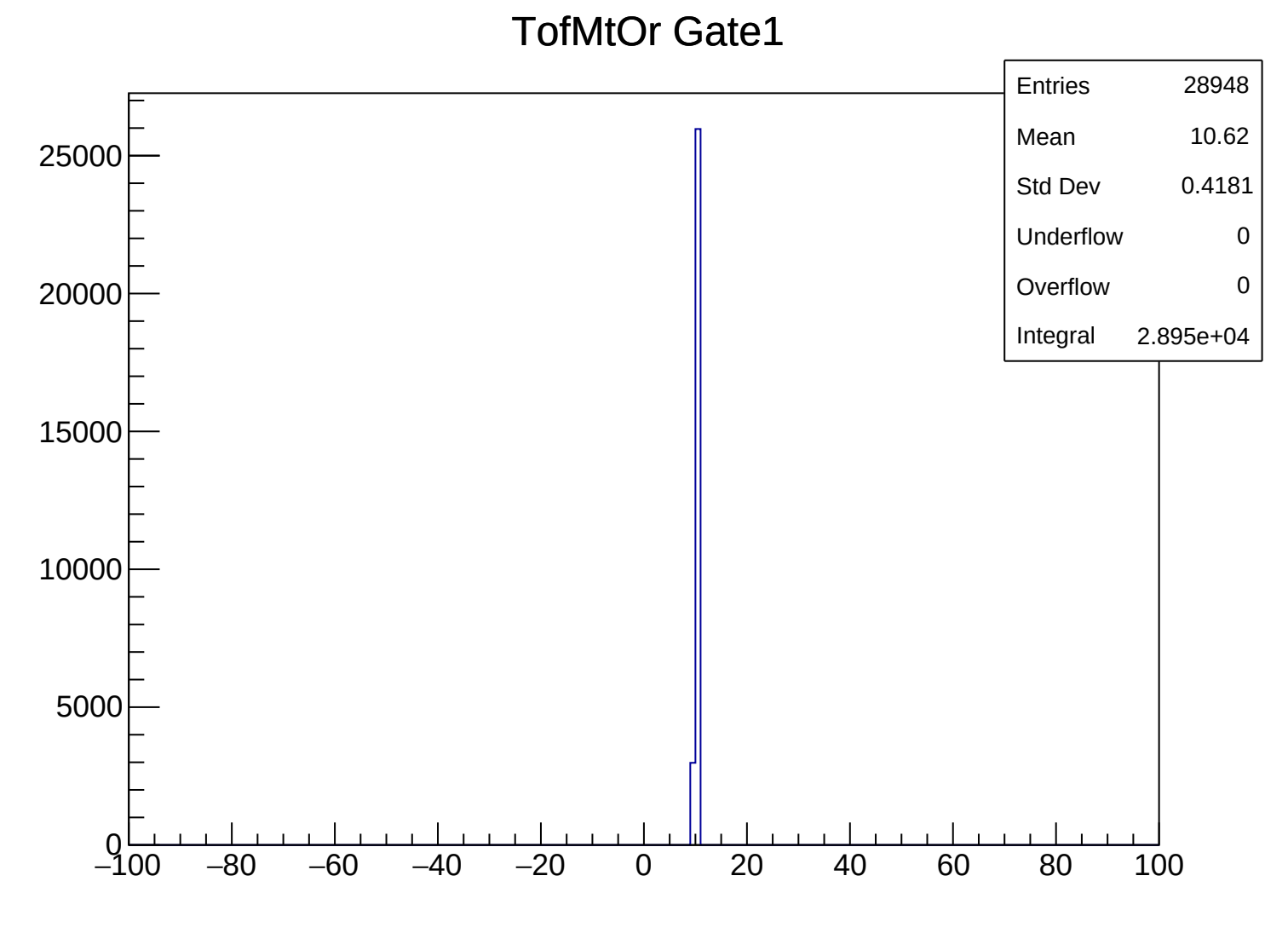

Sch Depthpat
×10^6
1800
1600
1400
1200
1000
800
600
400
200
0
0
10
20
30
40
50
60
Entries 1.931423e+09
Mean 0.06639
Std Dev 0.4274
Underflow 0
Overflow 0
Integral 1.931e+09

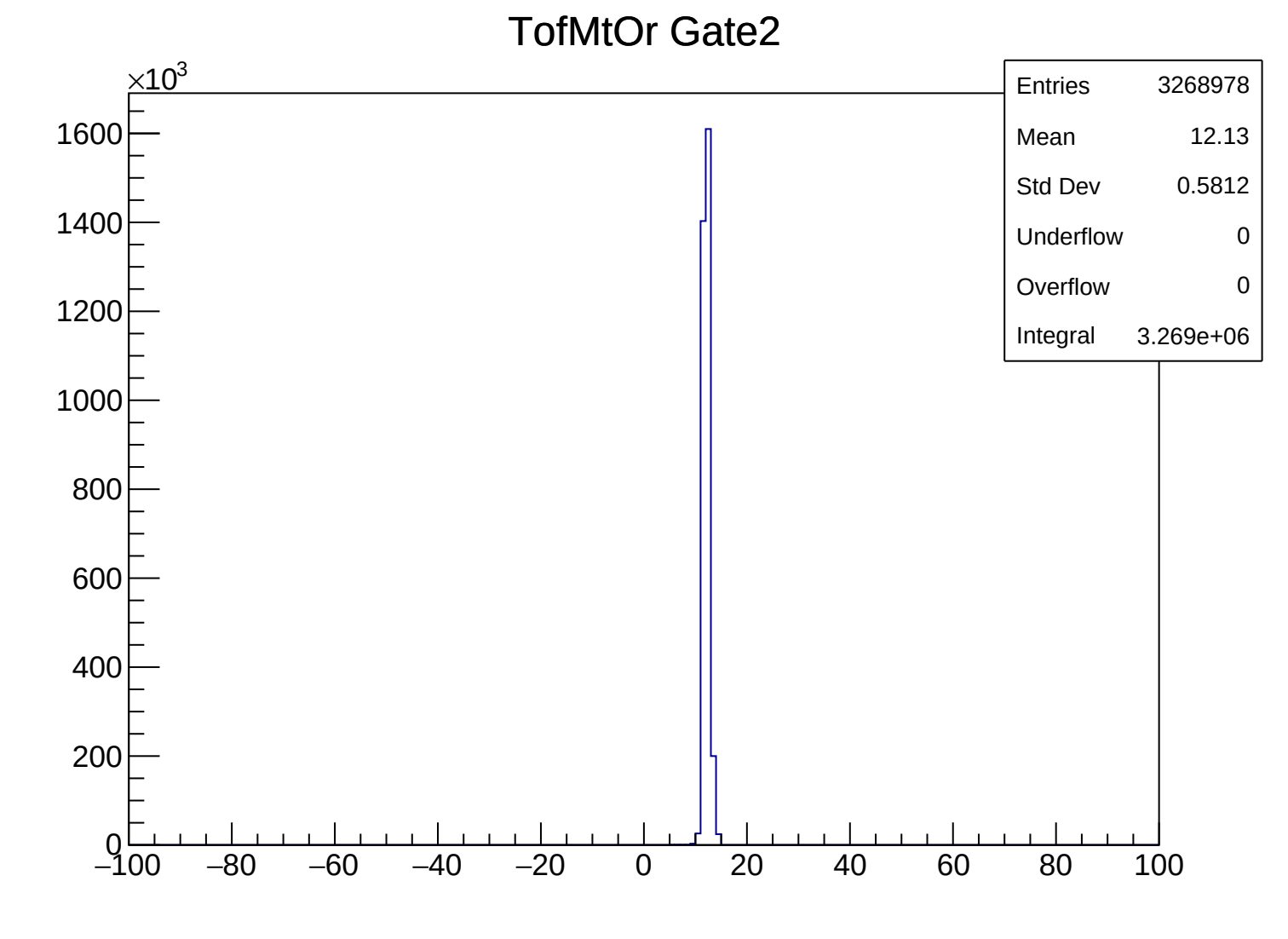

Sch Time
×10^3
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1.282335e+08
Mean 2.182
Std Dev 47.91
Underflow 4.988e+07
Overflow 4.202e+07
Integral 3.634e+07

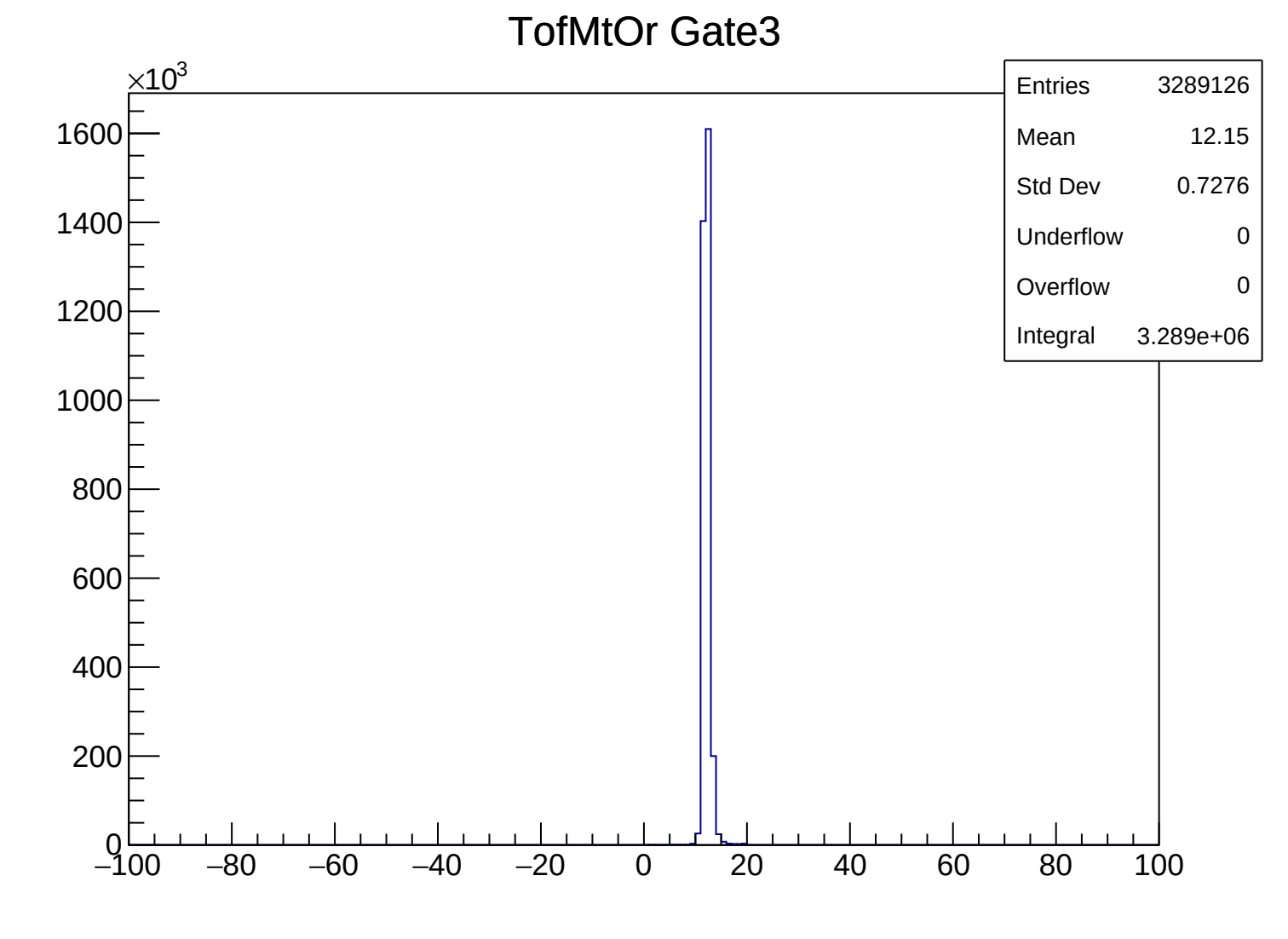

SftX U Time
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 4.732629e+07
Mean 3.849
Std Dev 37.34
Underflow 1.998e+07
Overflow 1.069e+07
Integral 1.666e+07

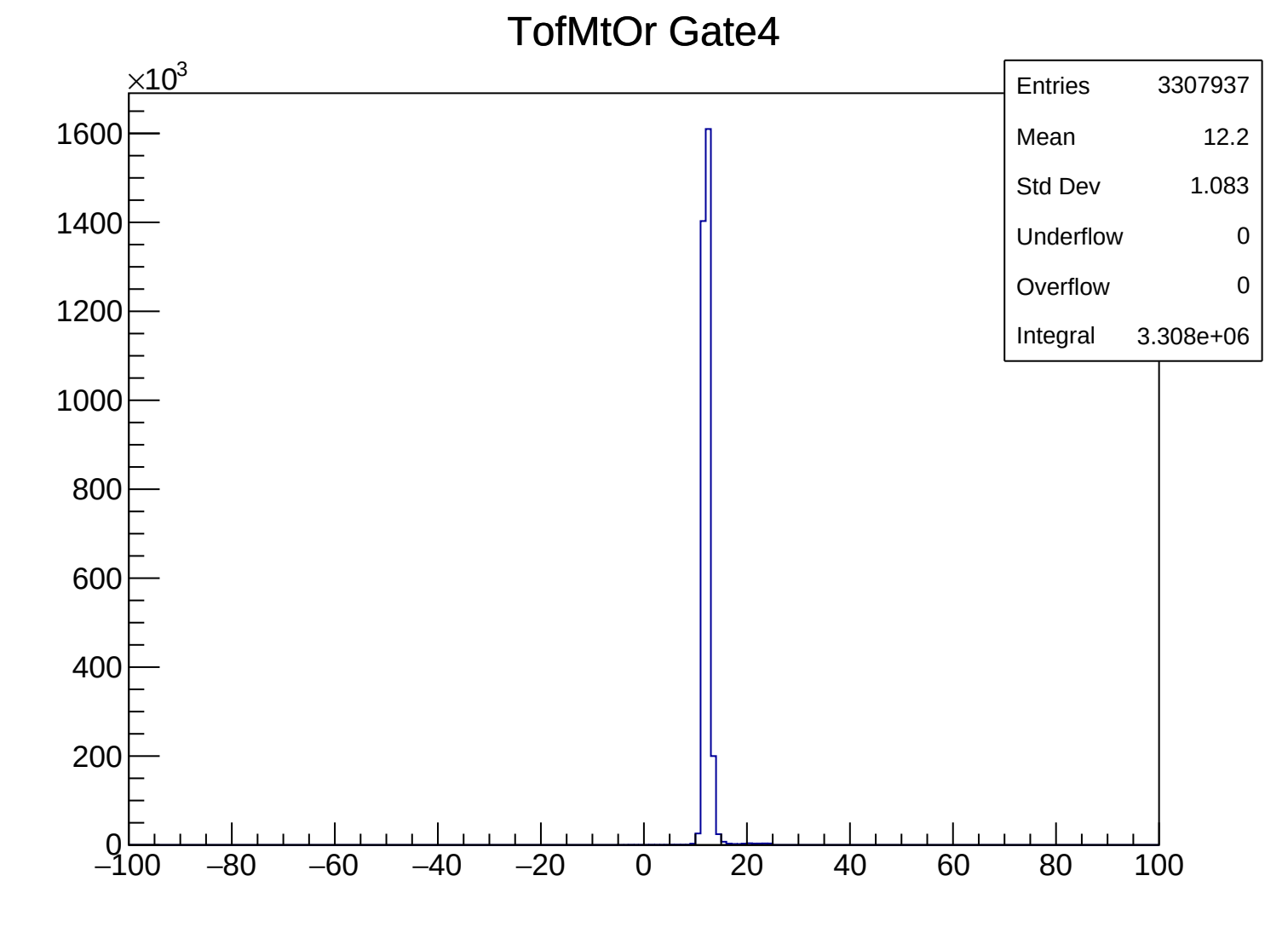

SftX D Time
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 4.630328e+07
Mean 3.864
Std Dev 37.07
Underflow 1.942e+07
Overflow 1.039e+07
Integral 1.649e+07

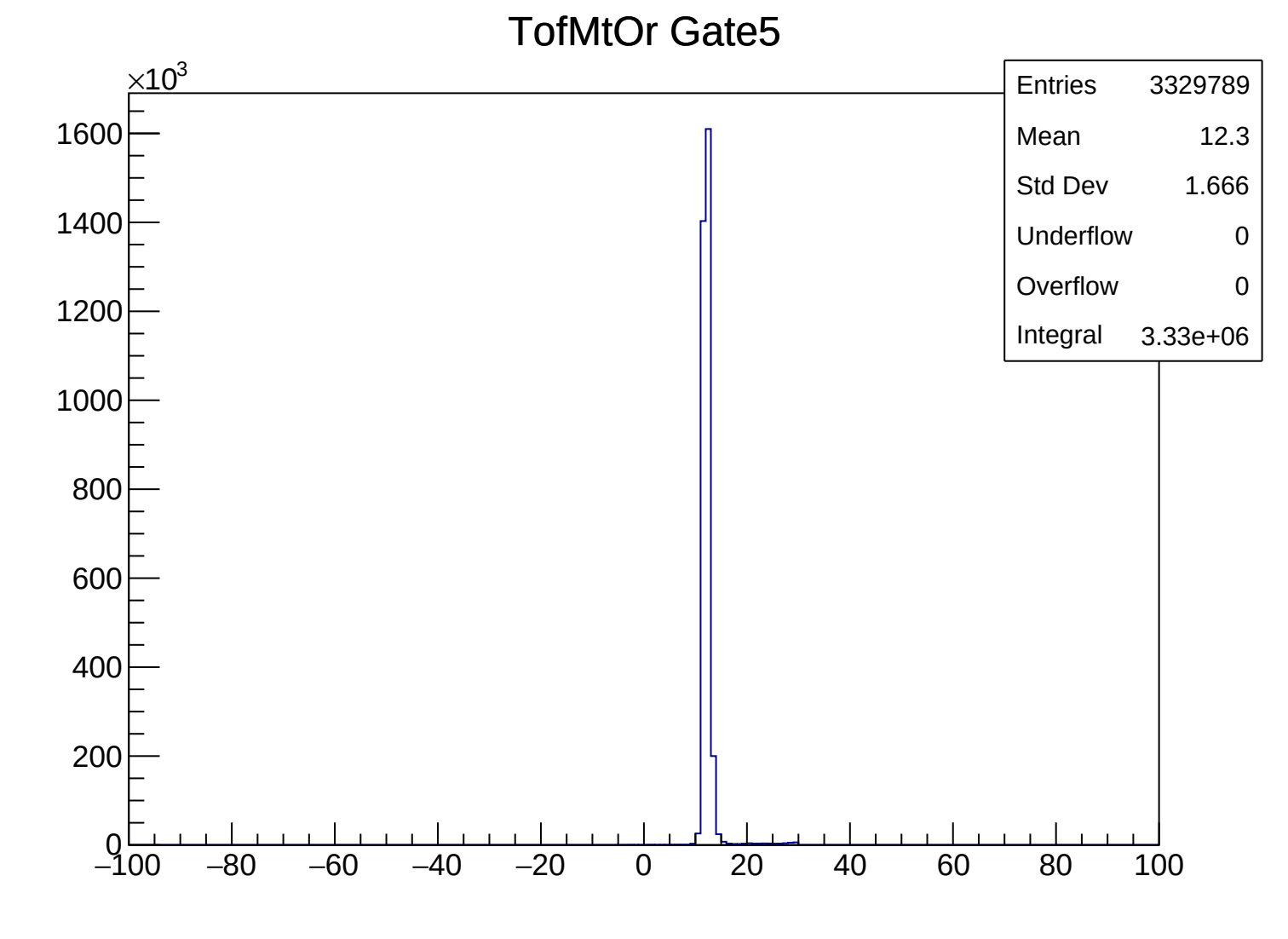

SftXTime
×10^3
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 9.362957e+07
Mean 3.857
Std Dev 37.2
Underflow 3.94e+07
Overflow 2.107e+07
Integral 3.316e+07

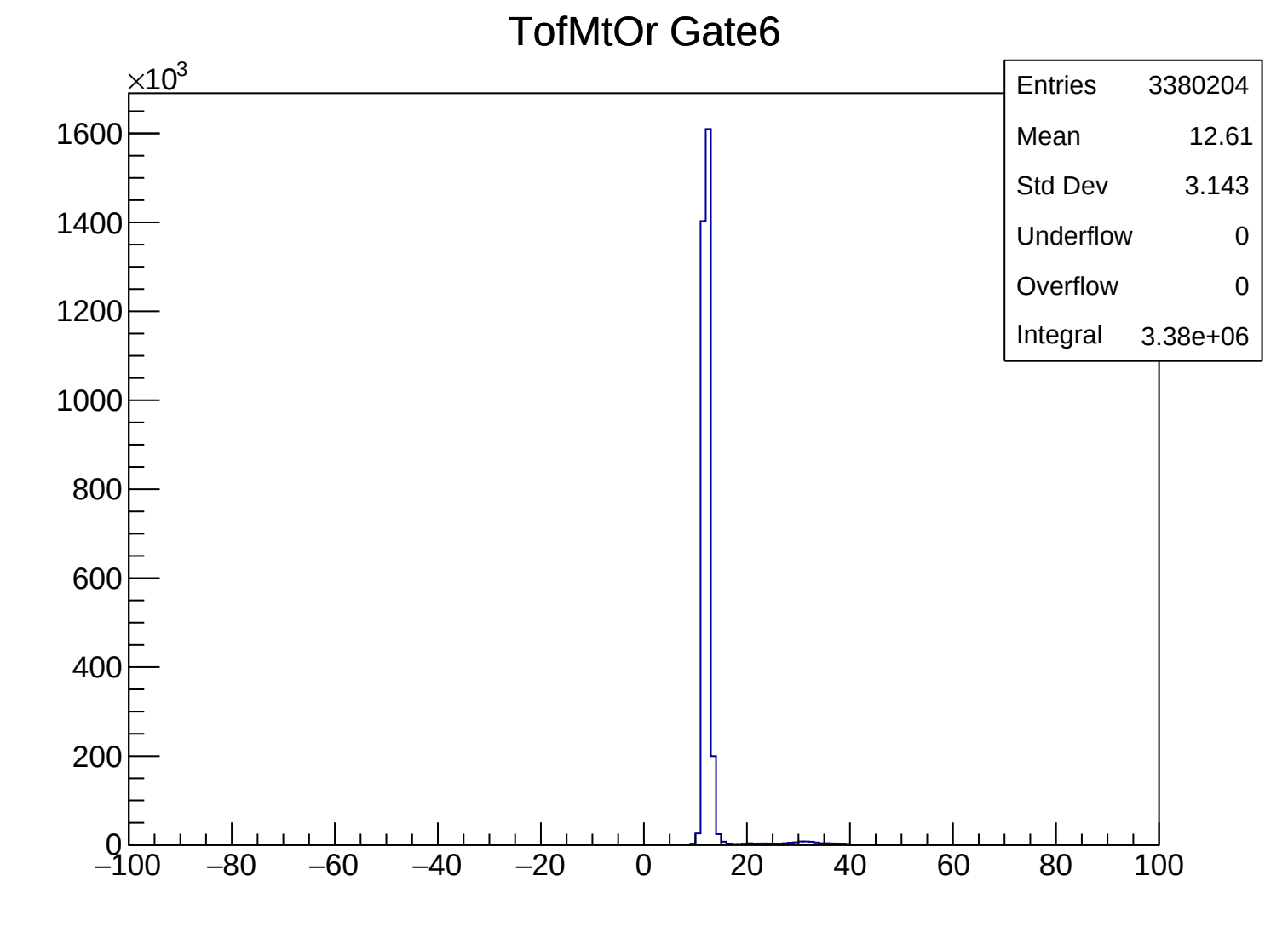

TofMtOr Gate1
Entries 28948
Mean 10.62
Std Dev 0.4181
Underflow 0
Overflow 0
Integral 2.895e+04
25000
20000
15000
10000
5000
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

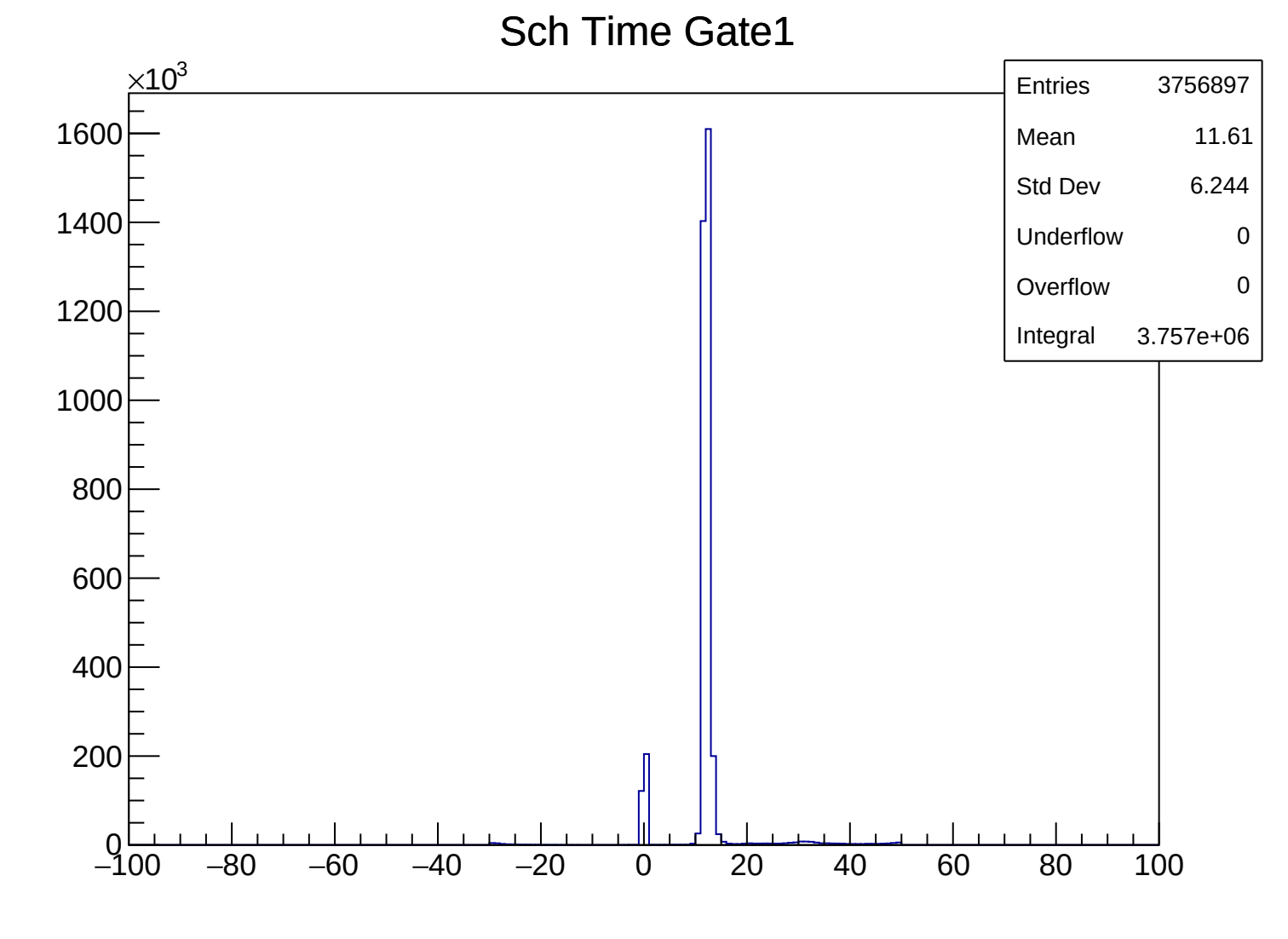

TofMtOr Gate2
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3268978
Mean 12.13
Std Dev 0.5812
Underflow 0
Overflow 0
Integral 3.269e+06

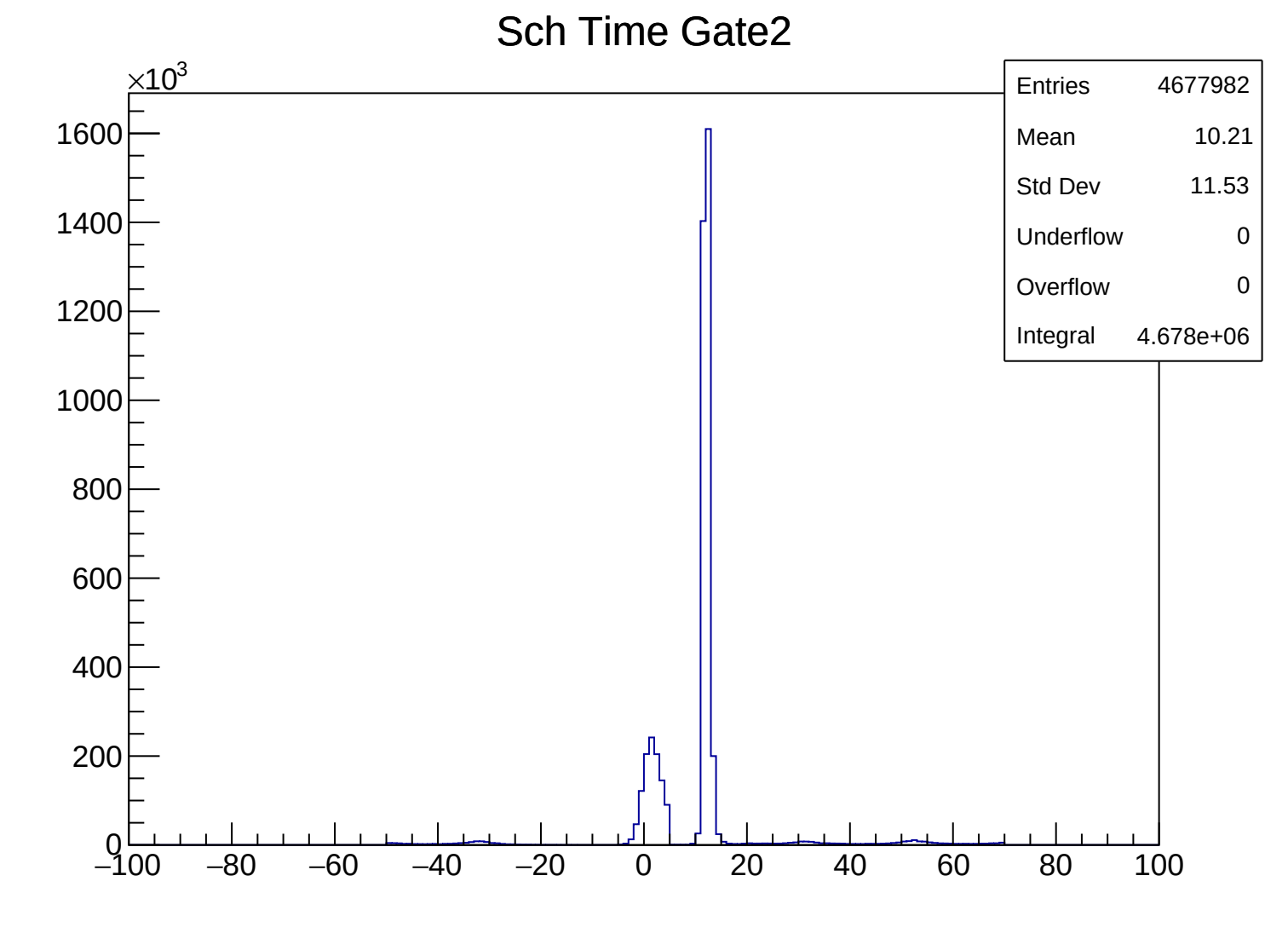

TofMtOr Gate3
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3289126
Mean 12.15
Std Dev 0.7276
Underflow 0
Overflow 0
Integral 3.289e+06

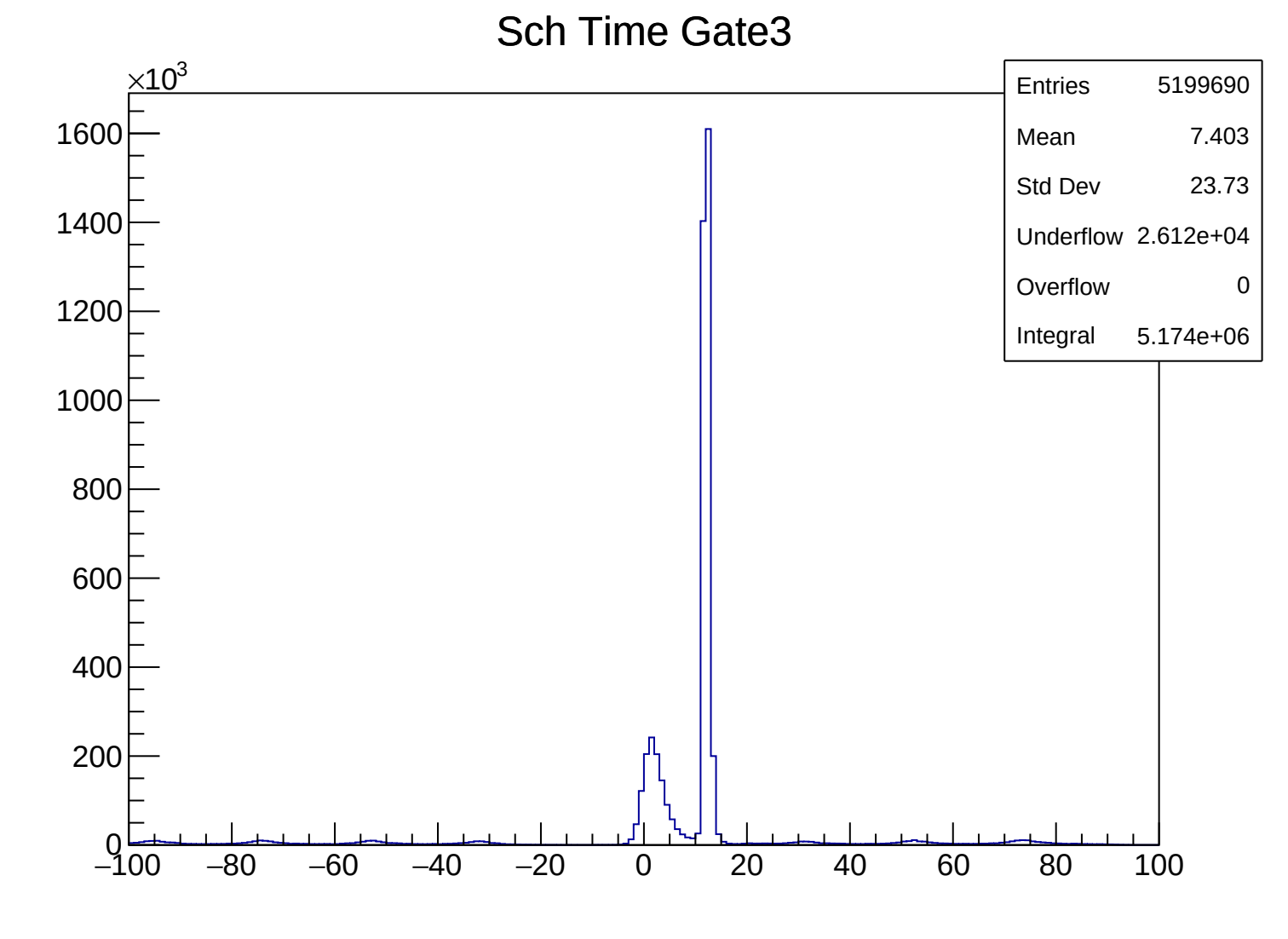

TofMtOr Gate4
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3307937
Mean 12.2
Std Dev 1.083
Underflow 0
Overflow 0
Integral 3.308e+06

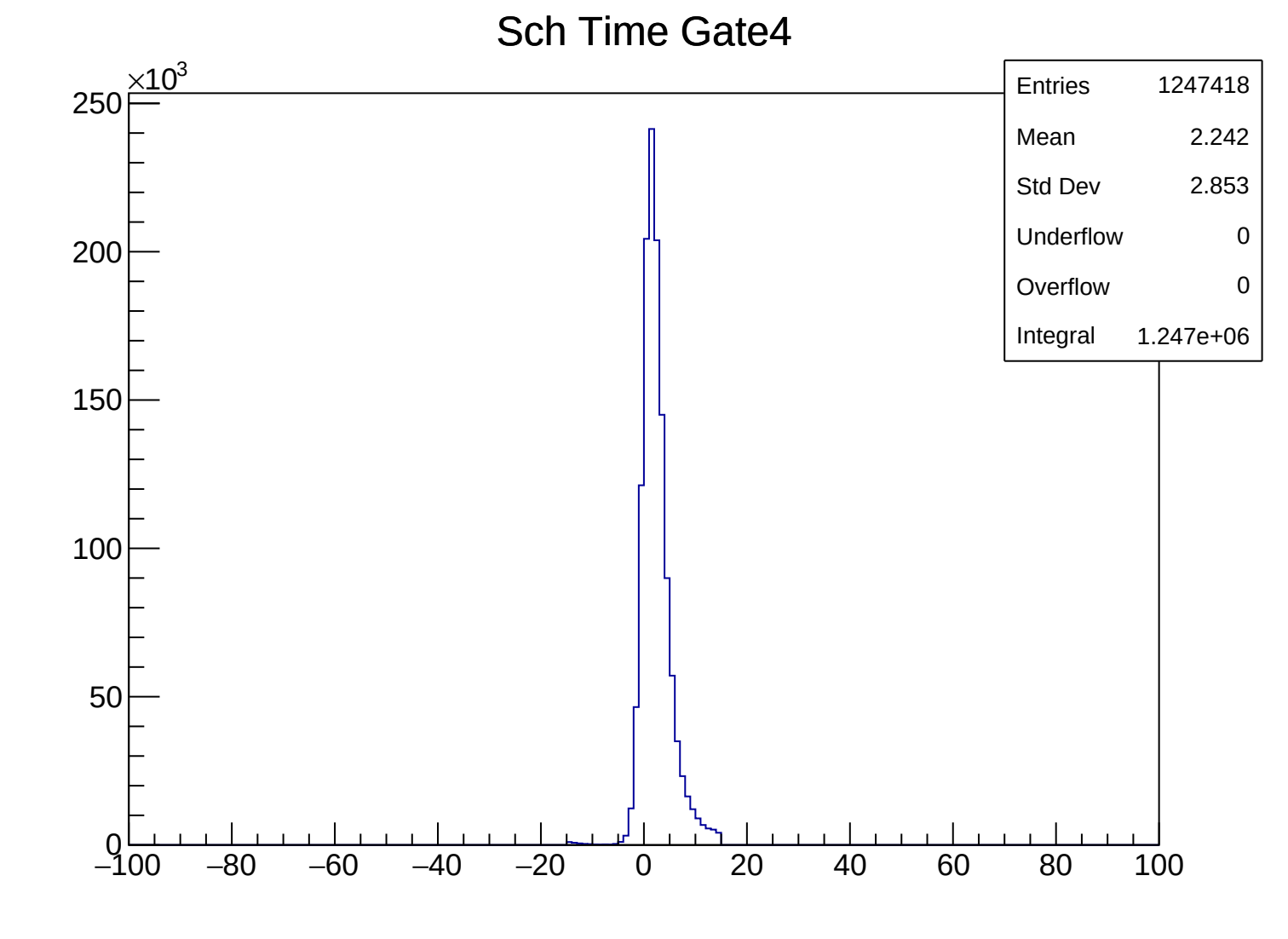

TofMtOr Gate5
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3329789
Mean 12.3
Std Dev 1.666
Underflow 0
Overflow 0
Integral 3.33e+06

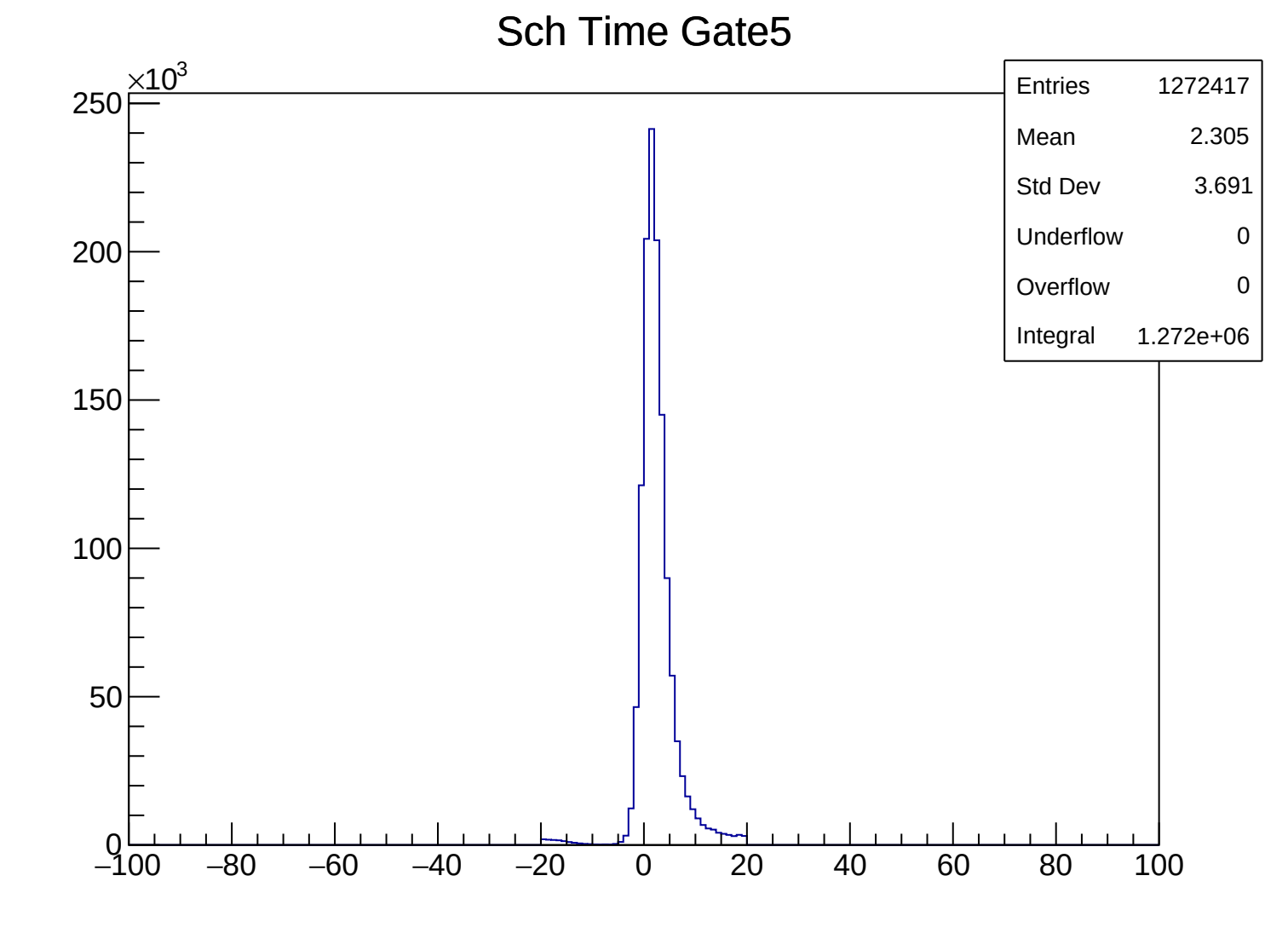

TofMtOr Gate6
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3380204
Mean 12.61
Std Dev 3.143
Underflow 0
Overflow 0
Integral 3.38e+06

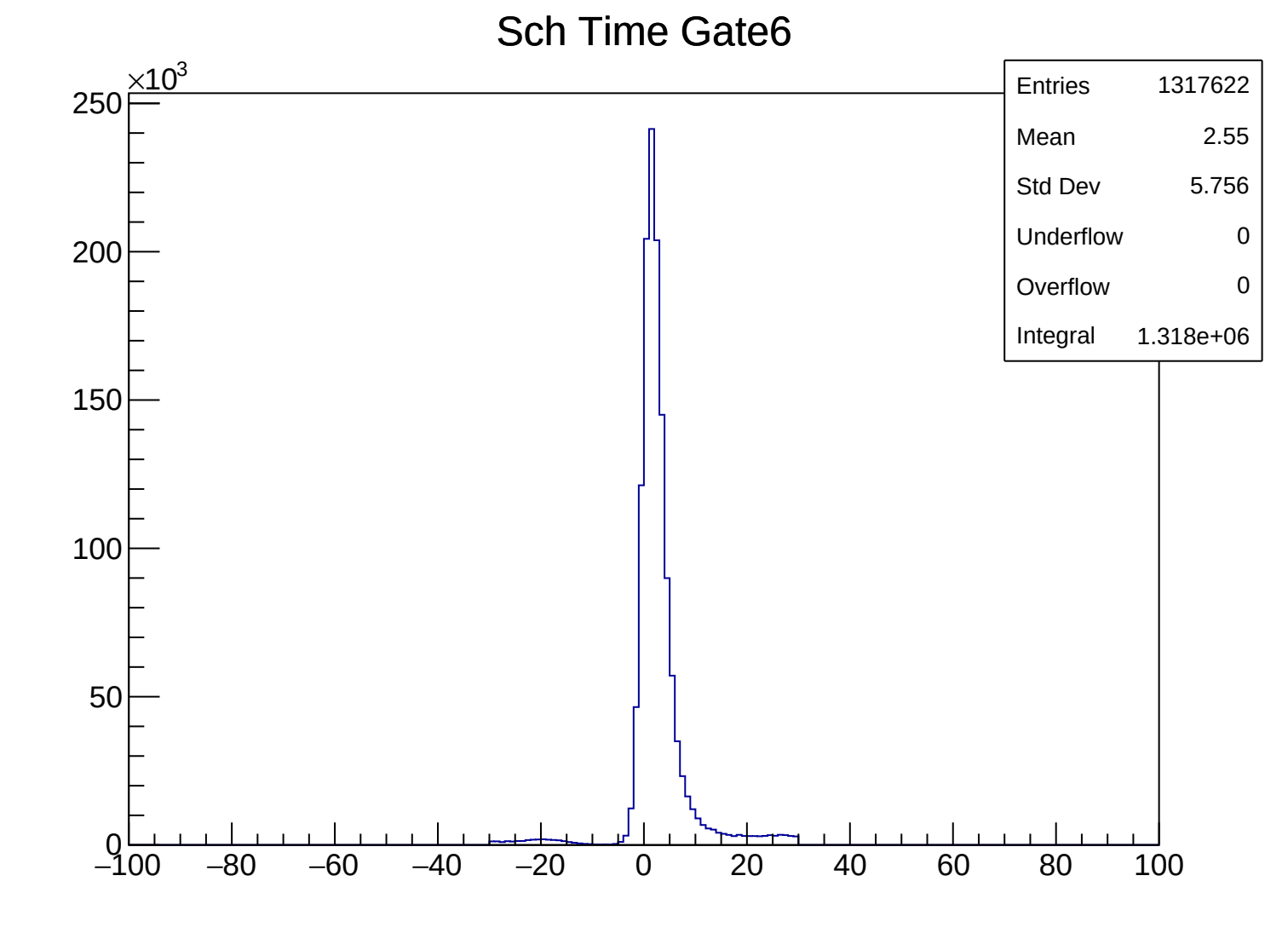

Sch Time Gate1
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3756897
Mean 11.61
Std Dev 6.244
Underflow 0
Overflow 0
Integral 3.757e+06

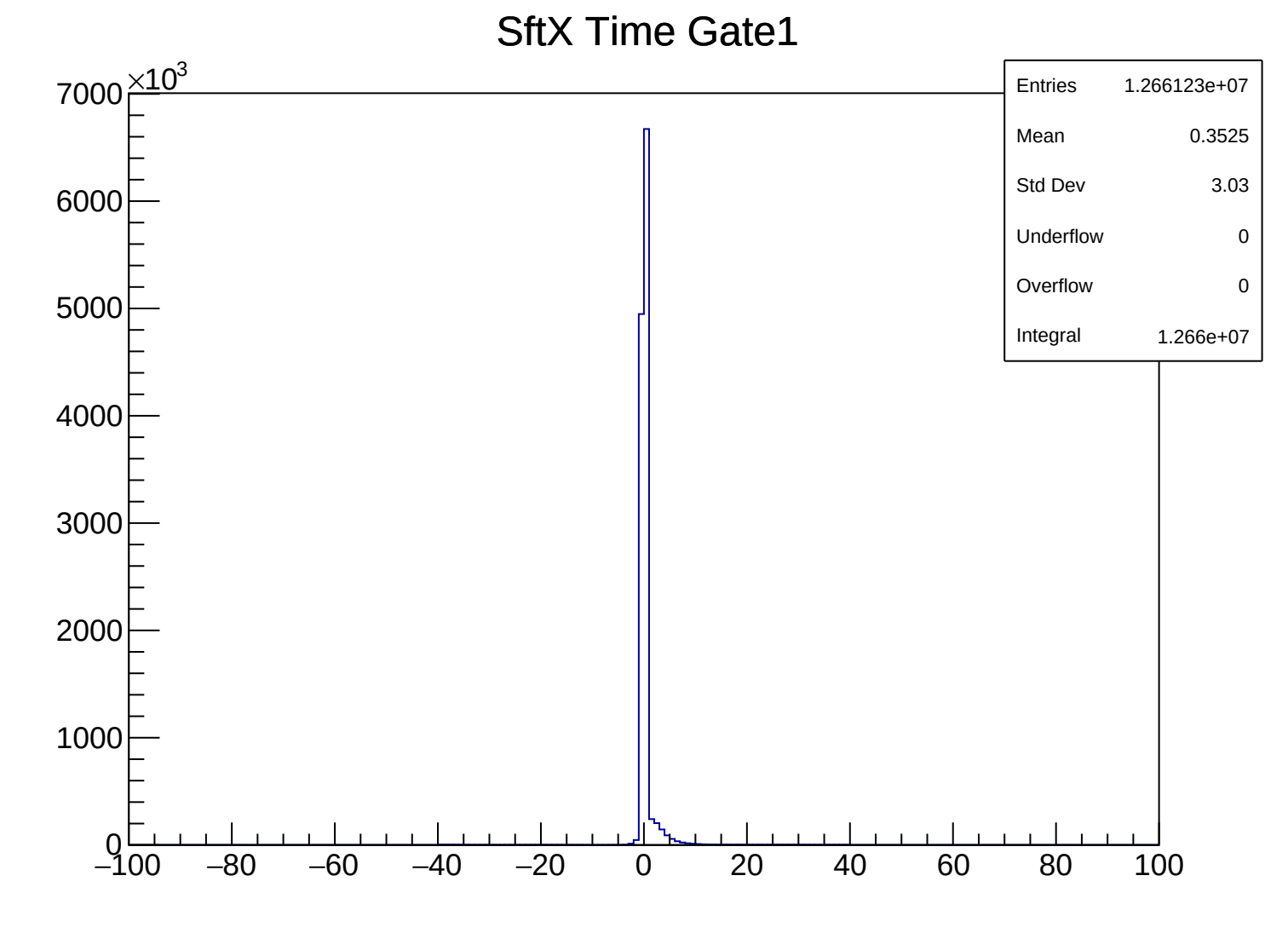

Sch Time Gate2
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 4677982
Mean 10.21
Std Dev 11.53
Underflow 0
Overflow 0
Integral 4.678e+06

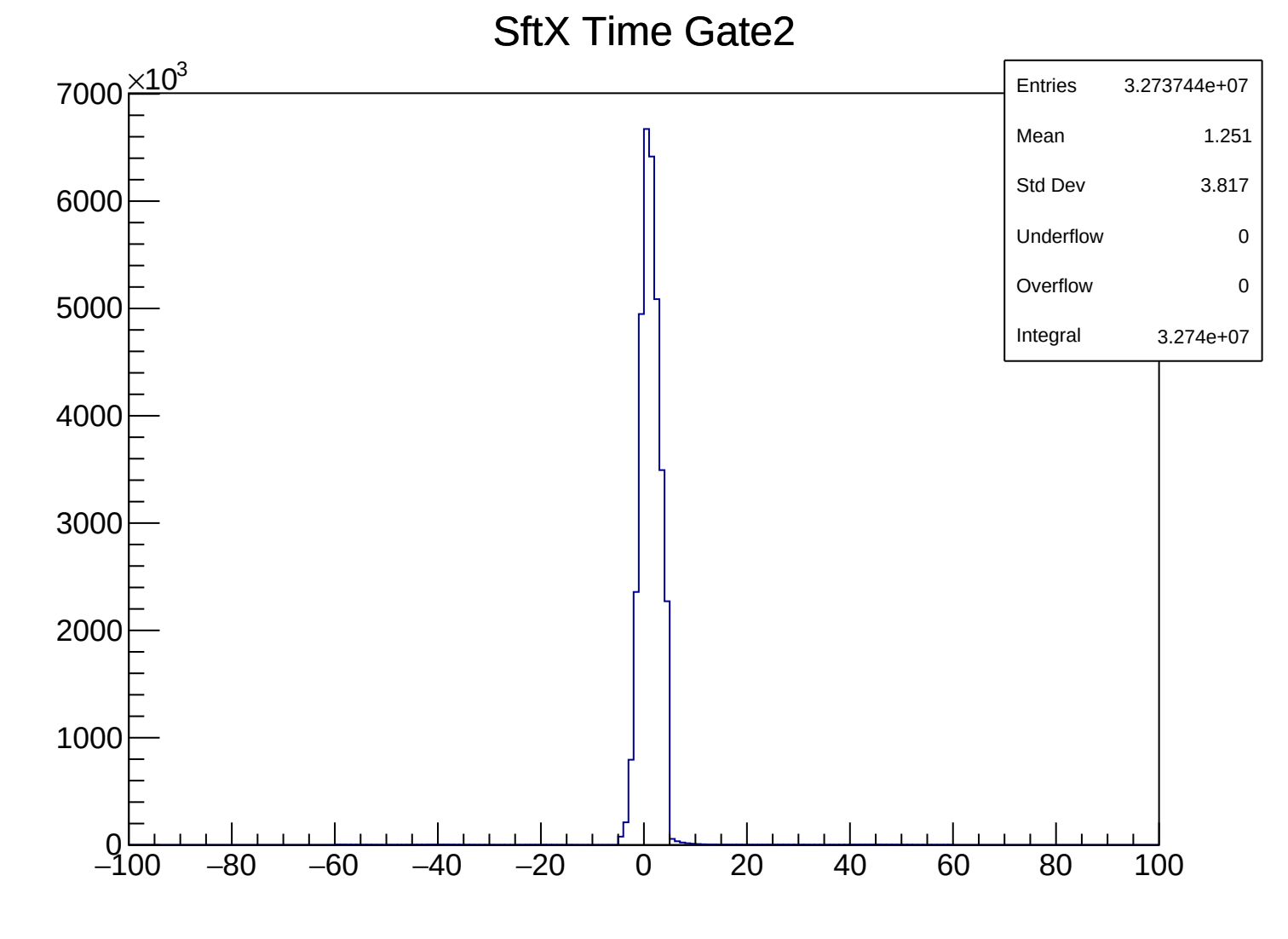

Sch Time Gate3
×10^3
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 5199690
Mean 7.403
Std Dev 23.73
Underflow 2.612e+04
Overflow 0
Integral 5.174e+06

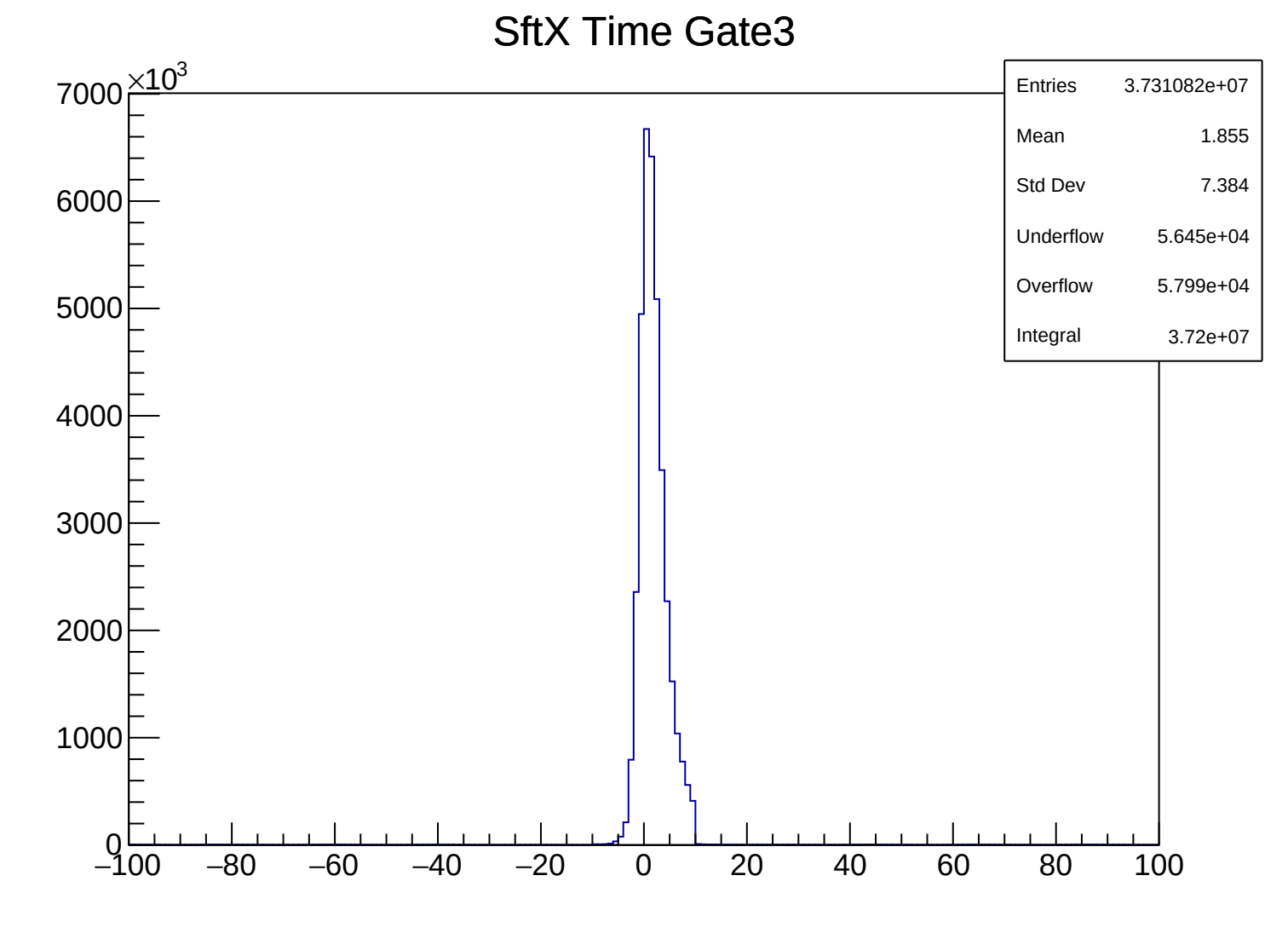

Sch Time Gate4
×10^3
250
200
150
100
50
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1247418
Mean 2.242
Std Dev 2.853
Underflow 0
Overflow 0
Integral 1.247e+06

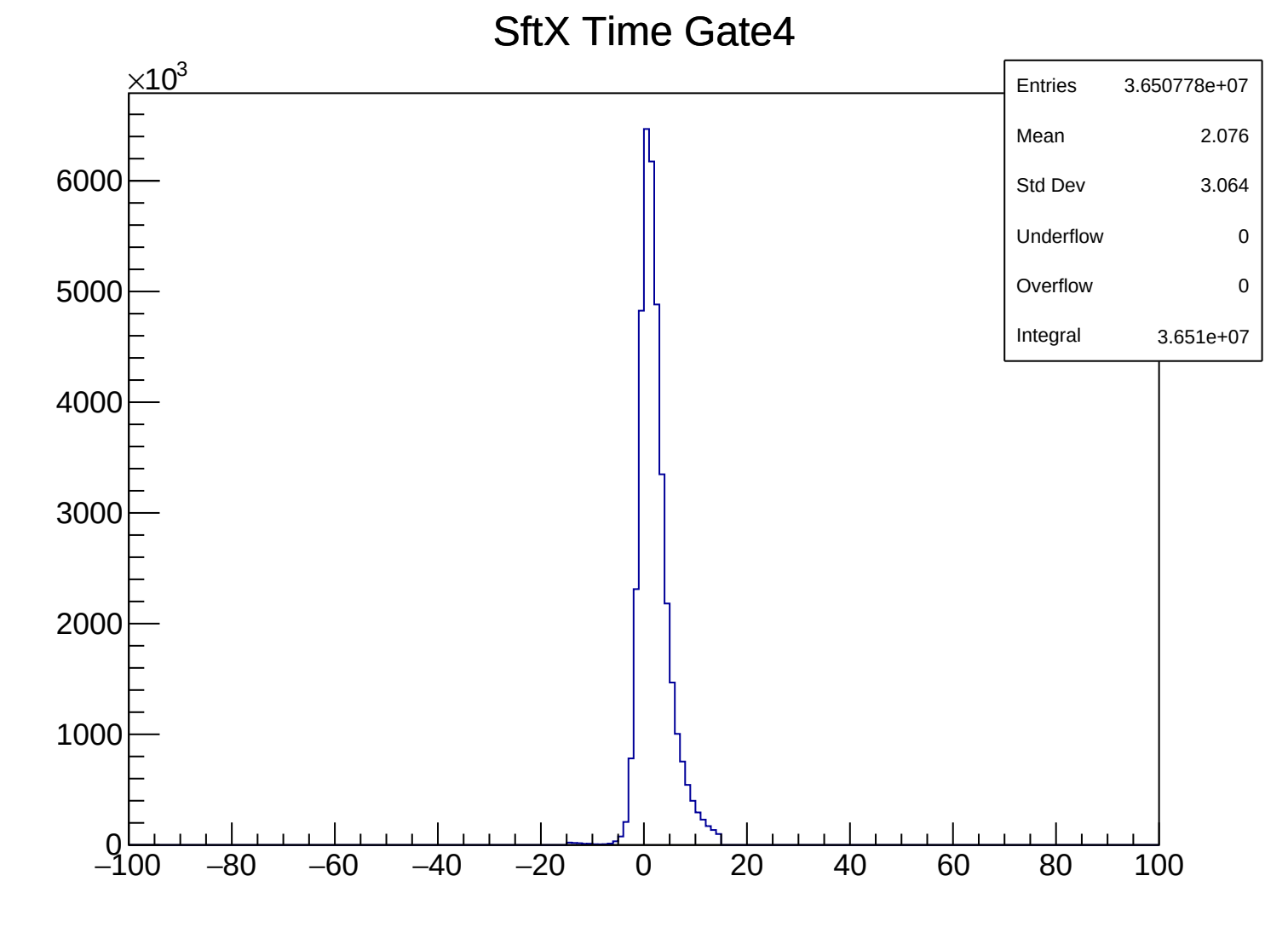

Sch Time Gate5
×10^3
250
200
150
100
50
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1272417
Mean 2.305
Std Dev 3.691
Underflow 0
Overflow 0
Integral 1.272e+06

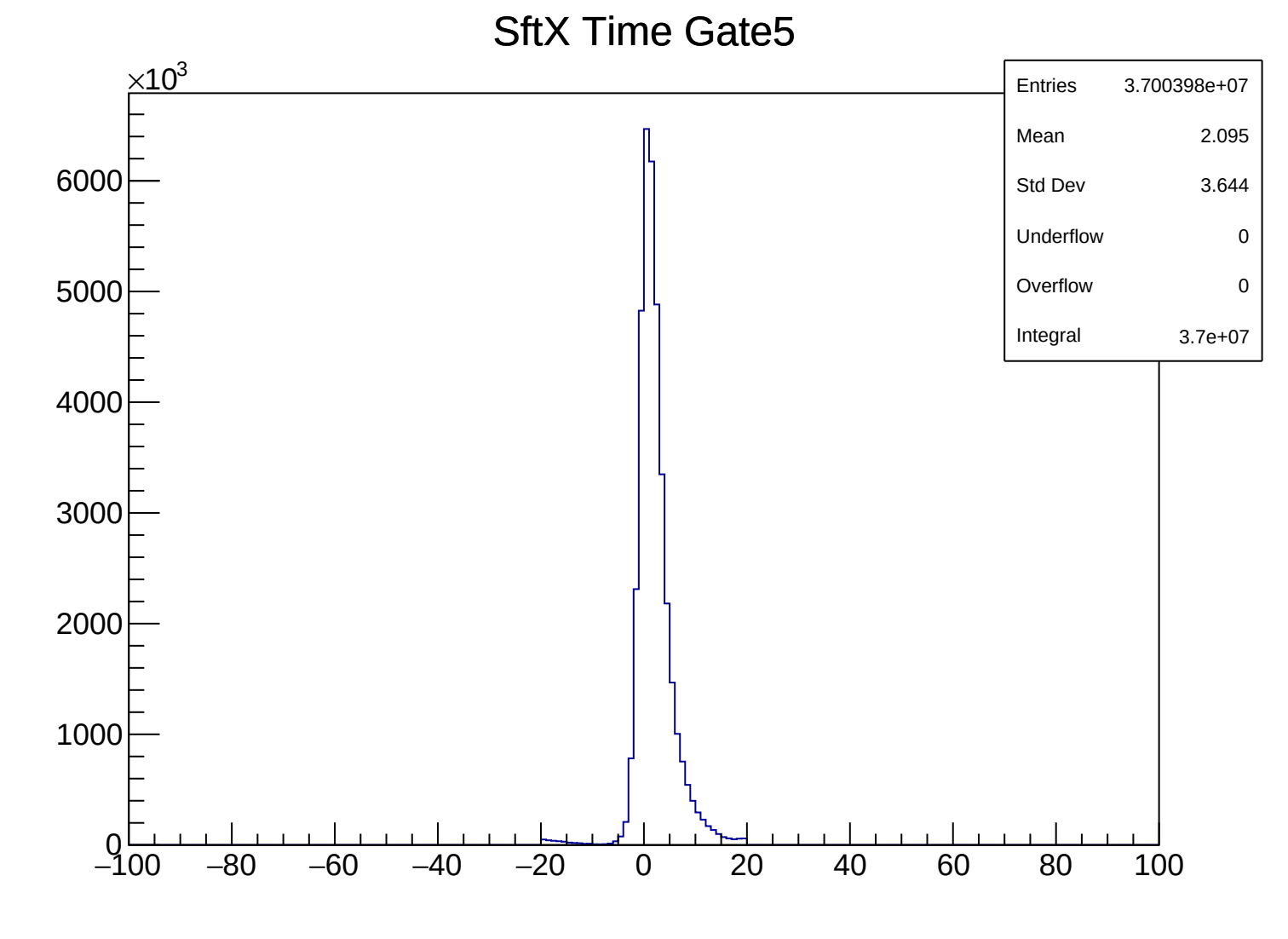

Sch Time Gate6
×10^3
250
200
150
100
50
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1317622
Mean 2.55
Std Dev 5.756
Underflow 0
Overflow 0
Integral 1.318e+06

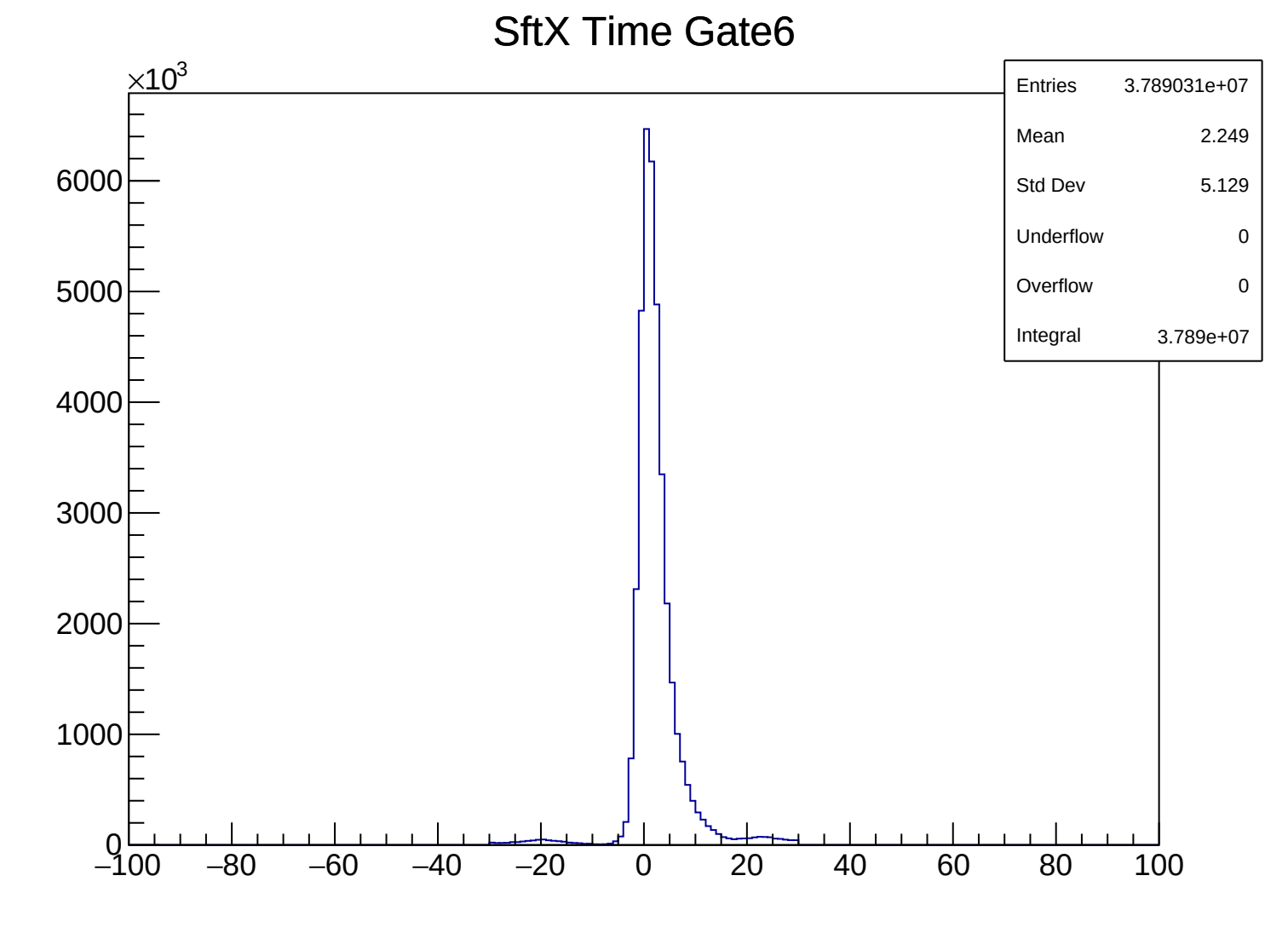

SftX Time Gate1
×10^3
7000
6000
5000
4000
3000
2000
1000
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 1.266123e+07
Mean 0.3525
Std Dev 3.03
Underflow 0
Overflow 0
Integral 1.266e+07

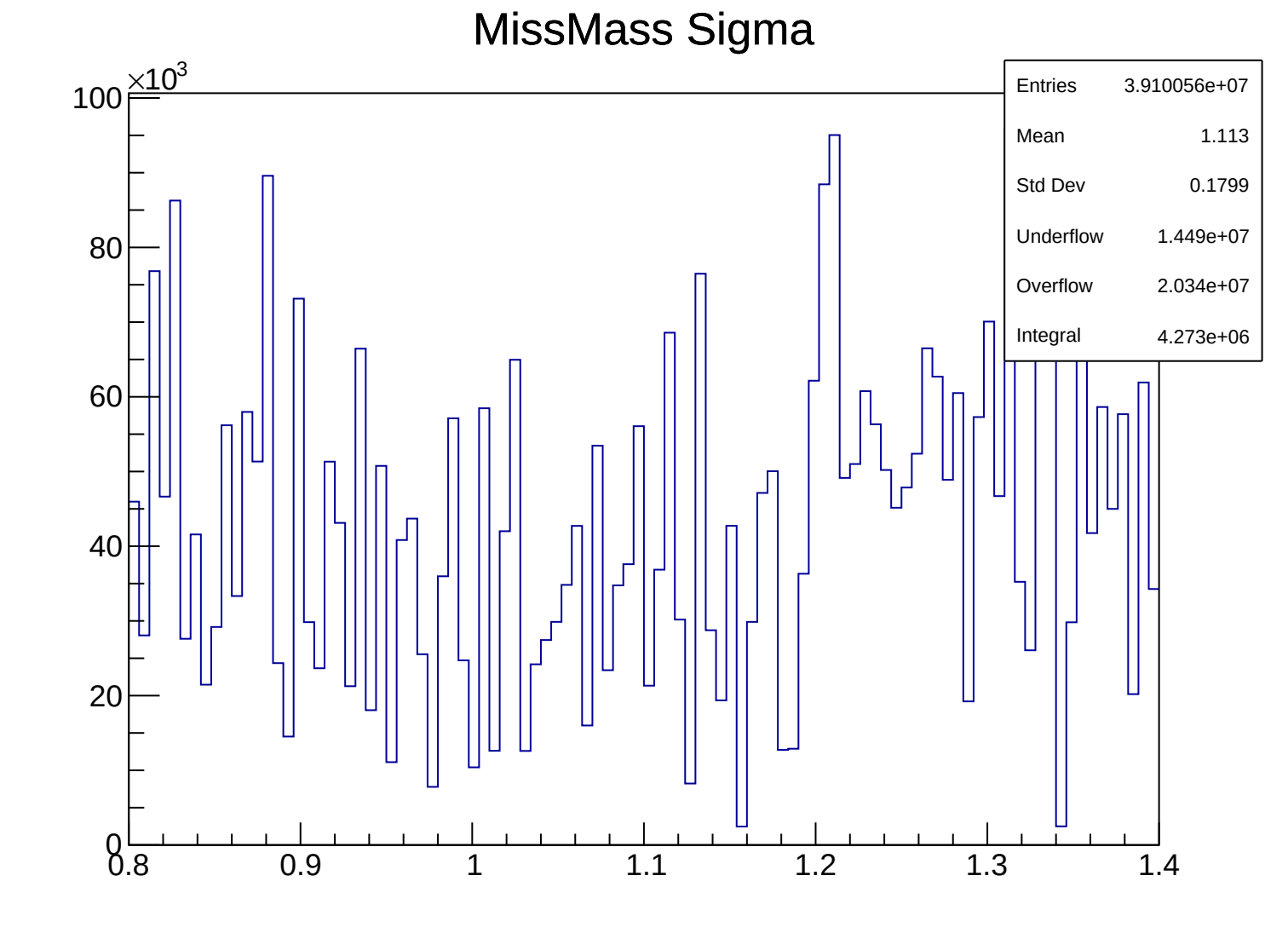

SftX Time Gate2
×10^3
7000
6000
5000
4000
3000
2000
1000
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3.273744e+07
Mean 1.251
Std Dev 3.817
Underflow 0
Overflow 0
Integral 3.274e+07

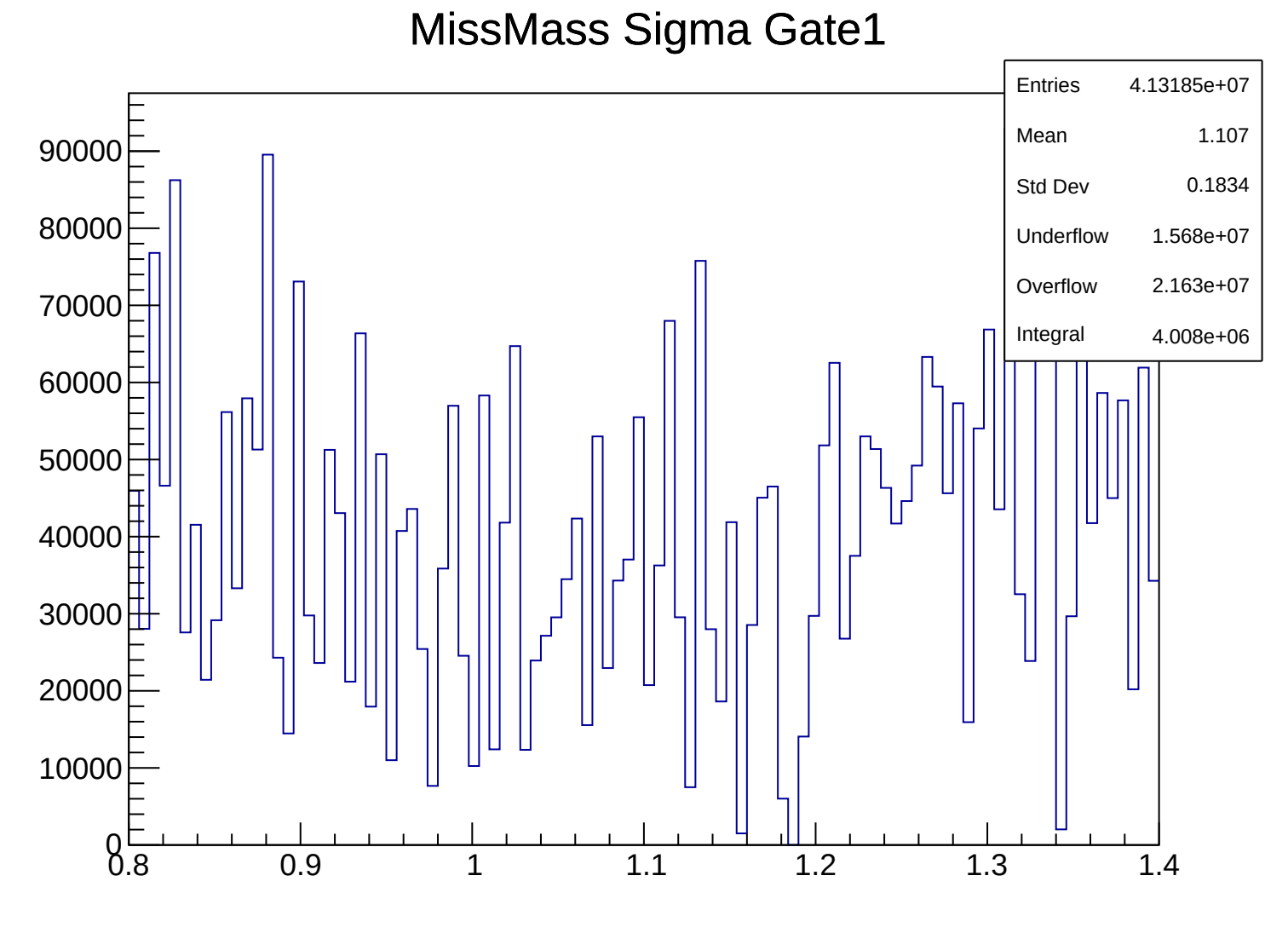

SftX Time Gate3
×10^3
7000
6000
5000
4000
3000
2000
1000
0
–100
–80
–60
–40
–20
0
20
40
60
80
100
Entries 3.731082e+07
Mean 1.855
Std Dev 7.384
Underflow 5.645e+04
Overflow 5.799e+04
Integral 3.72e+07

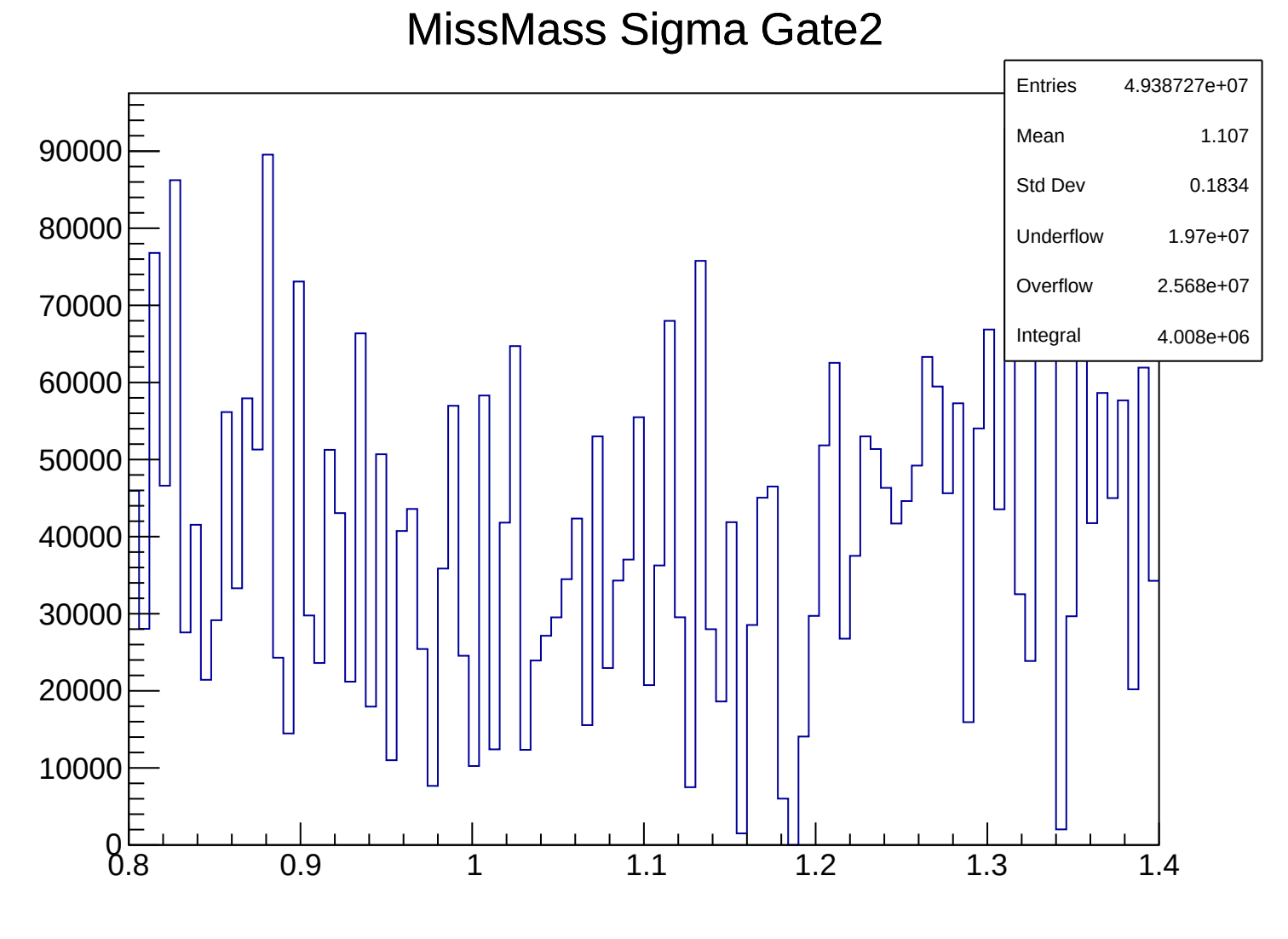

SftX Time Gate4
×10^3
6000
5000
4000
3000
2000
1000
0
−100
−80
−60
−40
−20
0
20
40
60
80
100
Entries 3.650778e+07
Mean 2.076
Std Dev 3.064
Underflow 0
Overflow 0
Integral 3.651e+07

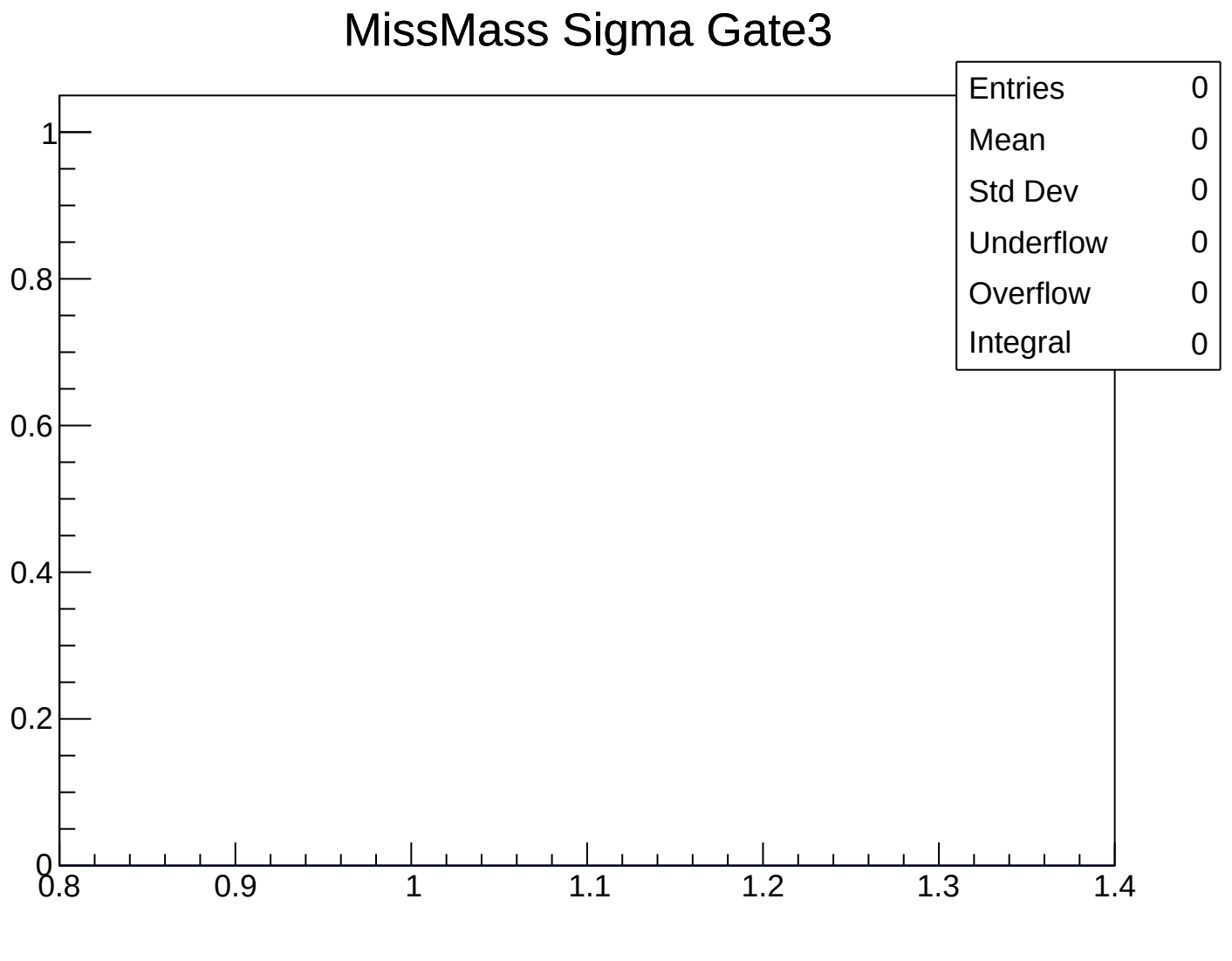

SftX Time Gate5
×10^3
6000
5000
4000
3000
2000
1000
0
−100
−80
−60
−40
−20
0
20
40
60
80
100
Entries 3.700398e+07
Mean 2.095
Std Dev 3.644
Underflow 0
Overflow 0
Integral 3.7e+07

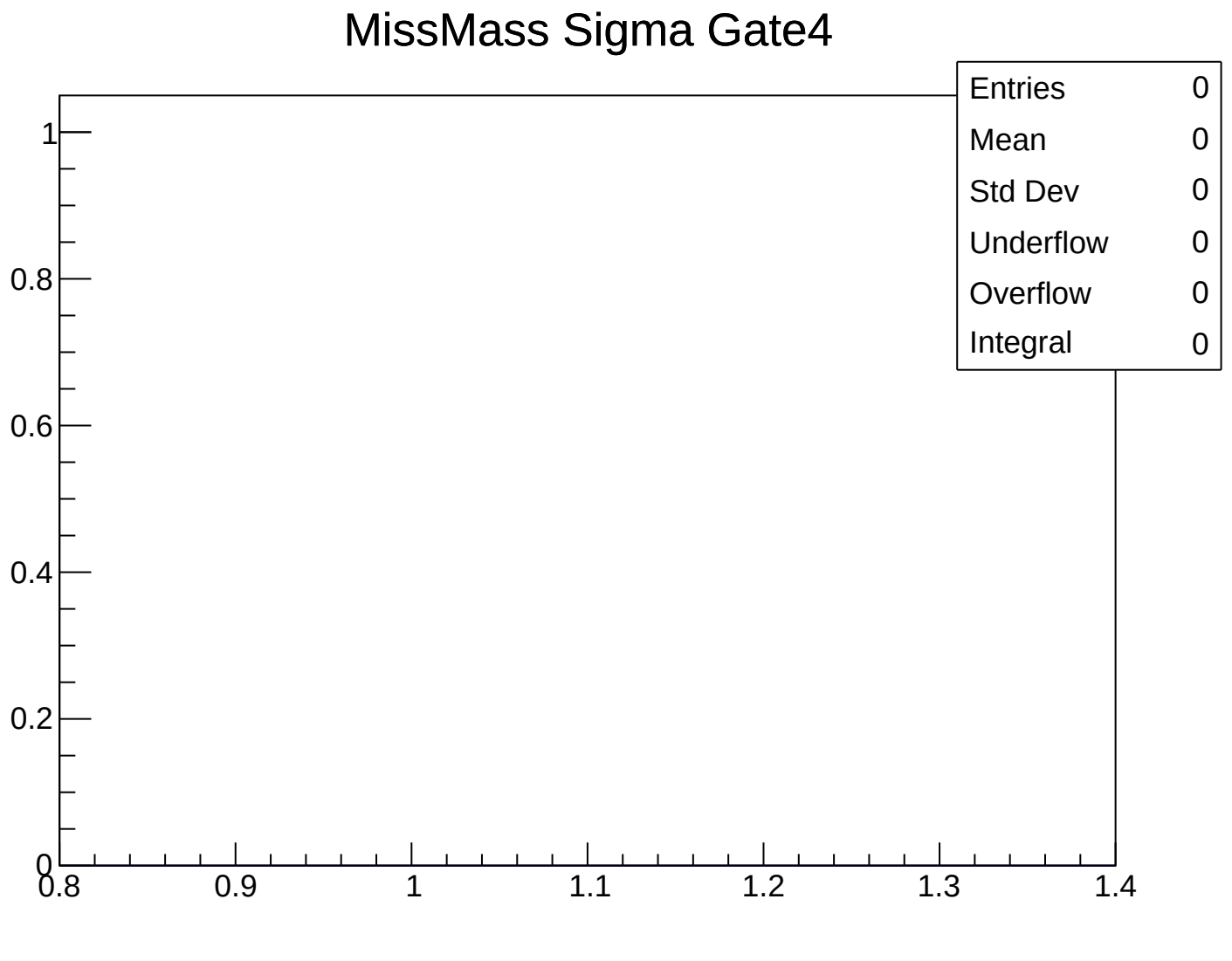

SftX Time Gate6
×10^3
6000
5000
4000
3000
2000
1000
0
−100
−80
−60
−40
−20
0
20
40
60
80
100
Entries 3.789031e+07
Mean 2.249
Std Dev 5.129
Underflow 0
Overflow 0
Integral 3.789e+07

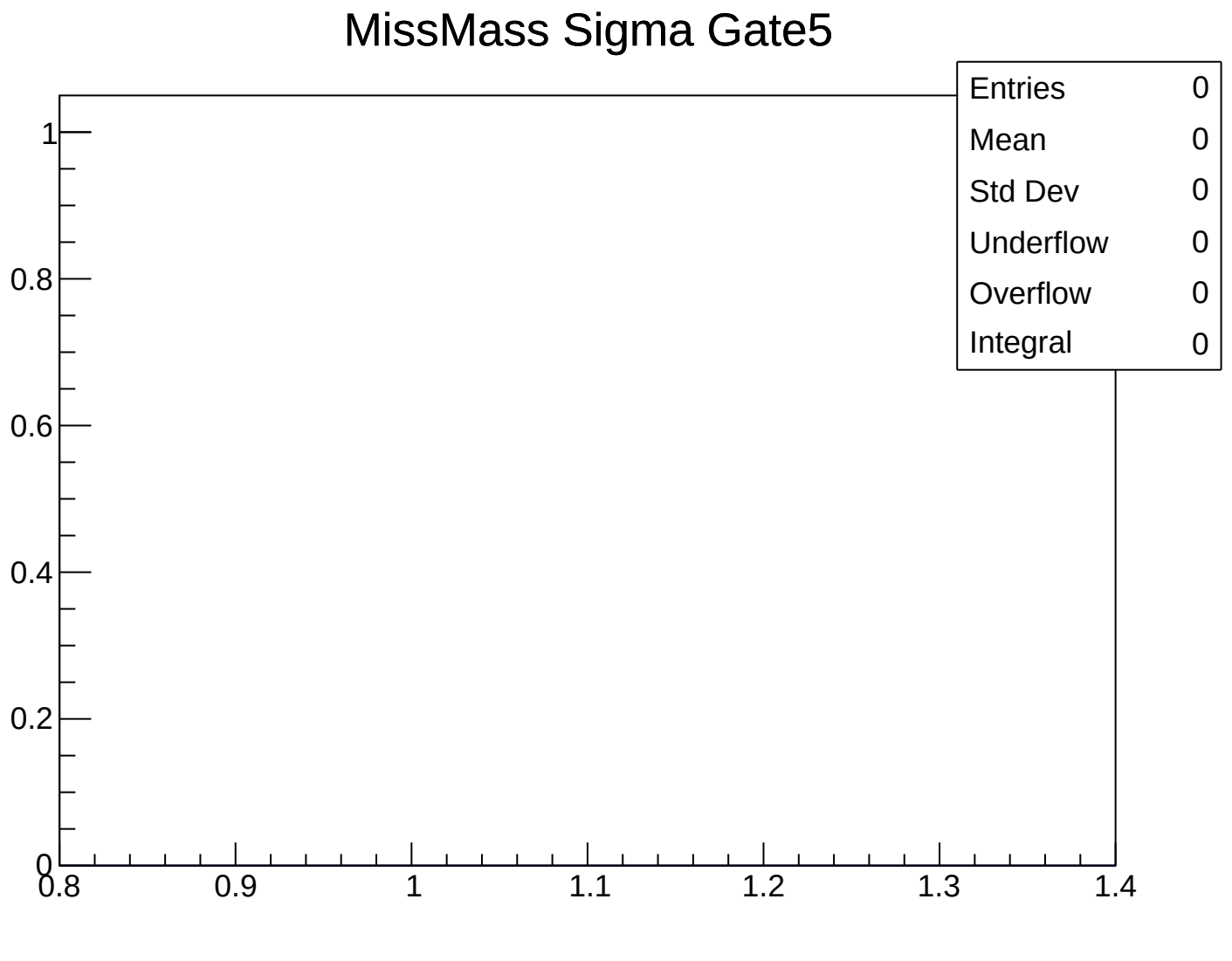

MissMass Sigma
×10^3
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
1.3
1.4
Entries 3.910056e+07
Mean 1.113
Std Dev 0.1799
Underflow 1.449e+07
Overflow 2.034e+07
Integral 4.273e+06

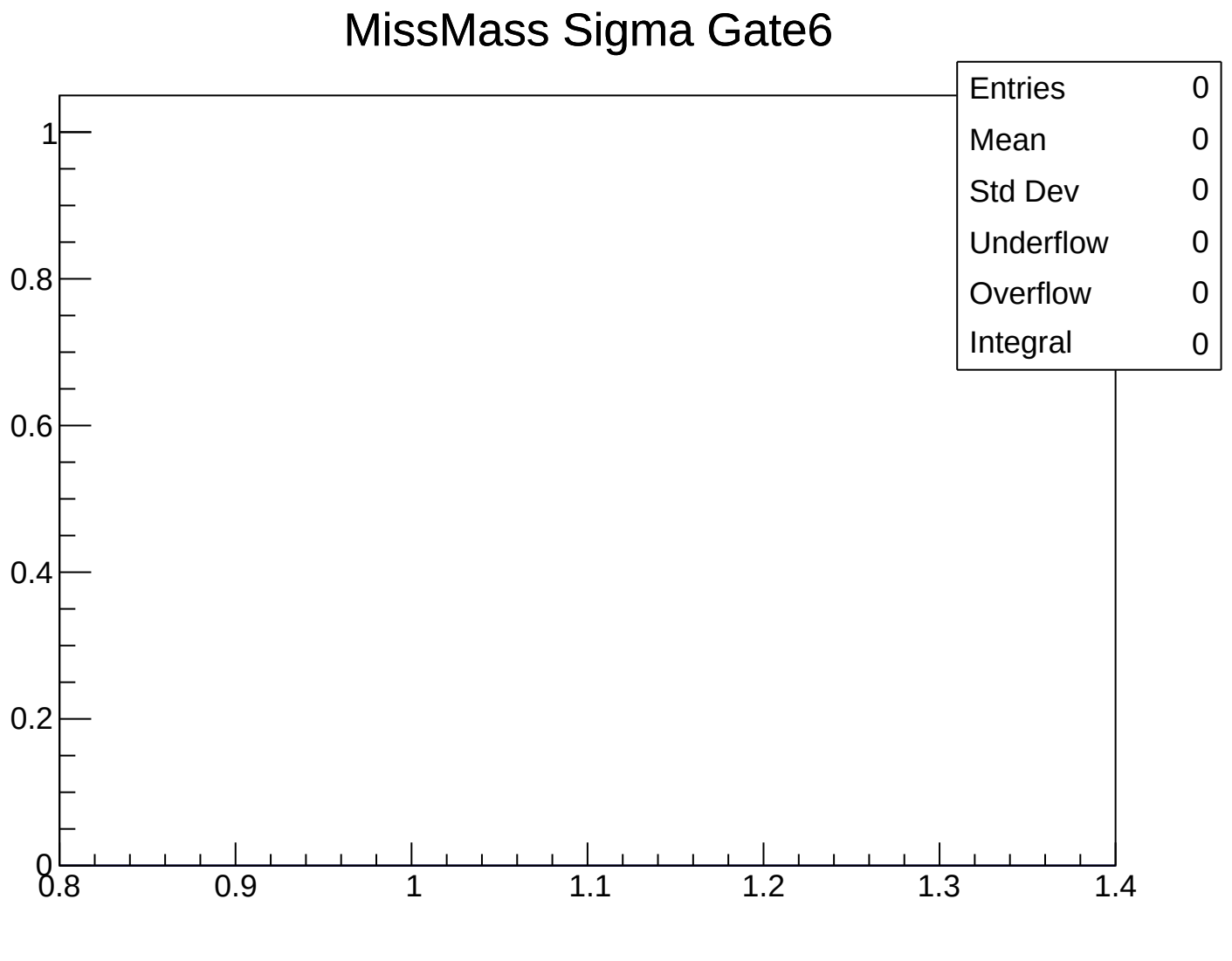

MissMass Sigma Gate1
Entries 4.13185e+07
Mean 1.107
Std Dev 0.1834
Underflow 1.568e+07
Overflow 2.163e+07
Integral 4.008e+06
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4

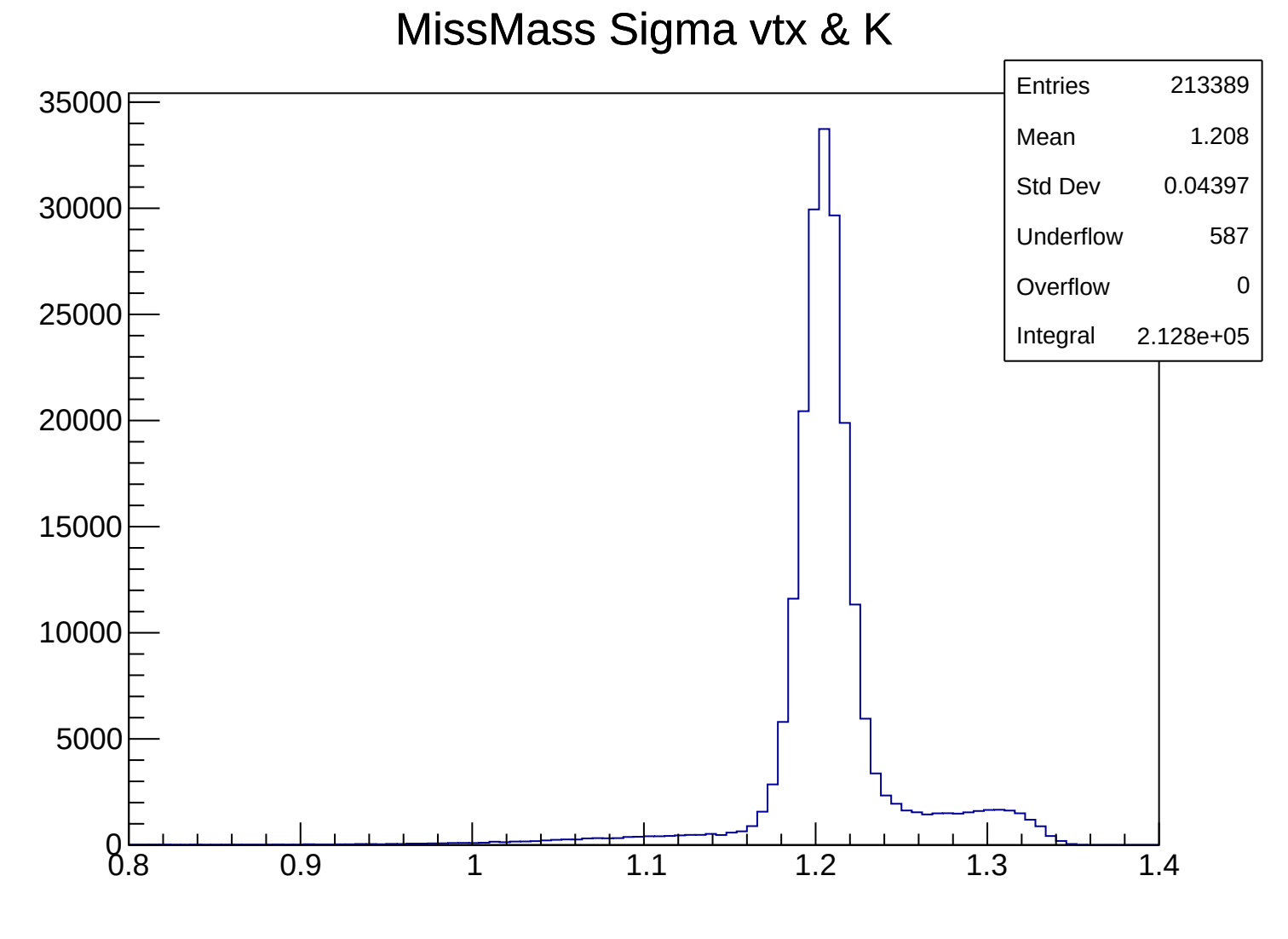

MissMass Sigma Gate2
Entries 4.938727e+07
Mean 1.107
Std Dev 0.1834
Underflow 1.97e+07
Overflow 2.568e+07
Integral 4.008e+06
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0.8
0.9
1
1.1
1.2
1.3
1.4

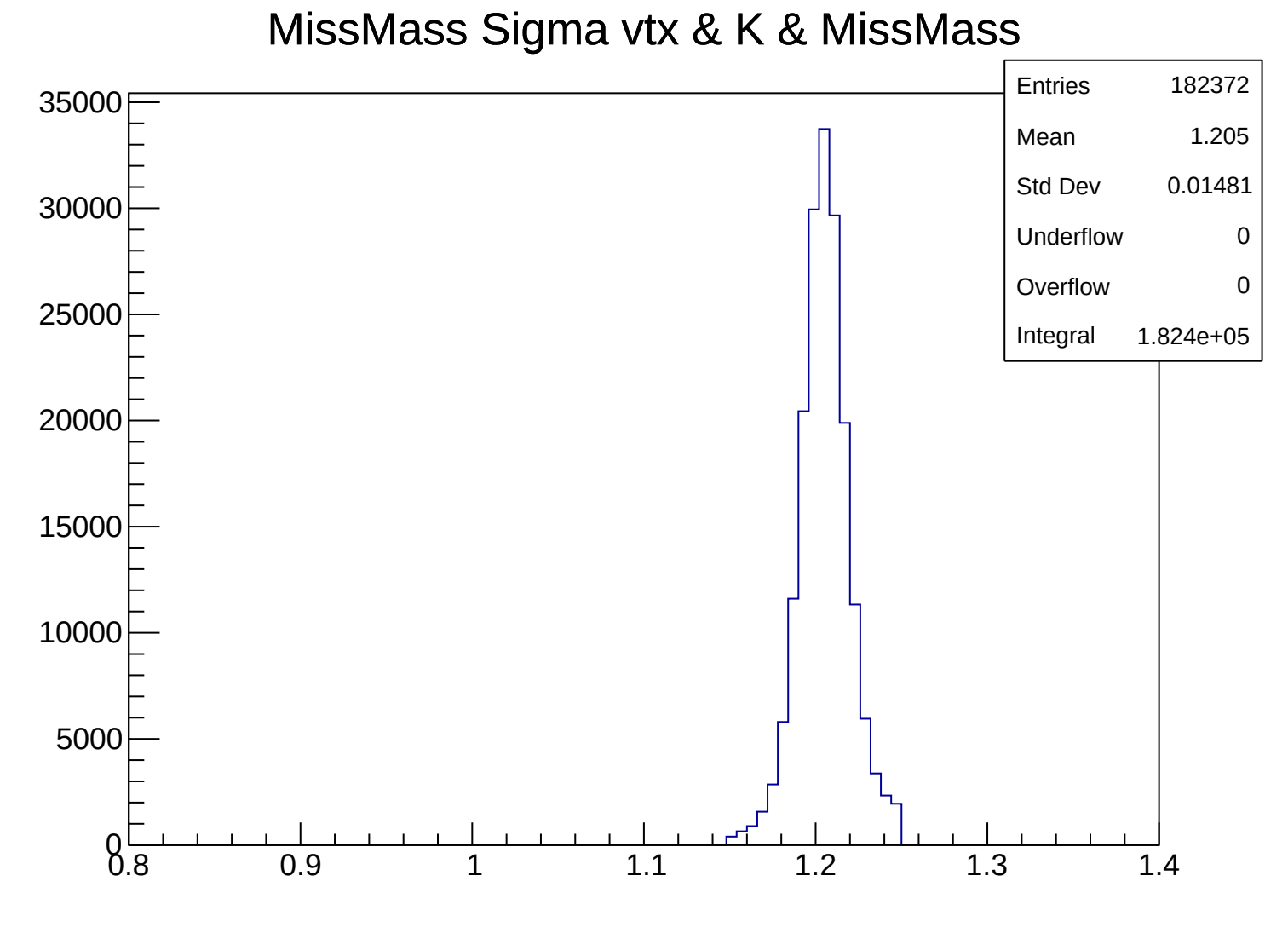

MissMass Sigma Gate3
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0.8
0.9
1
1.1
1.2
1.3
1.4

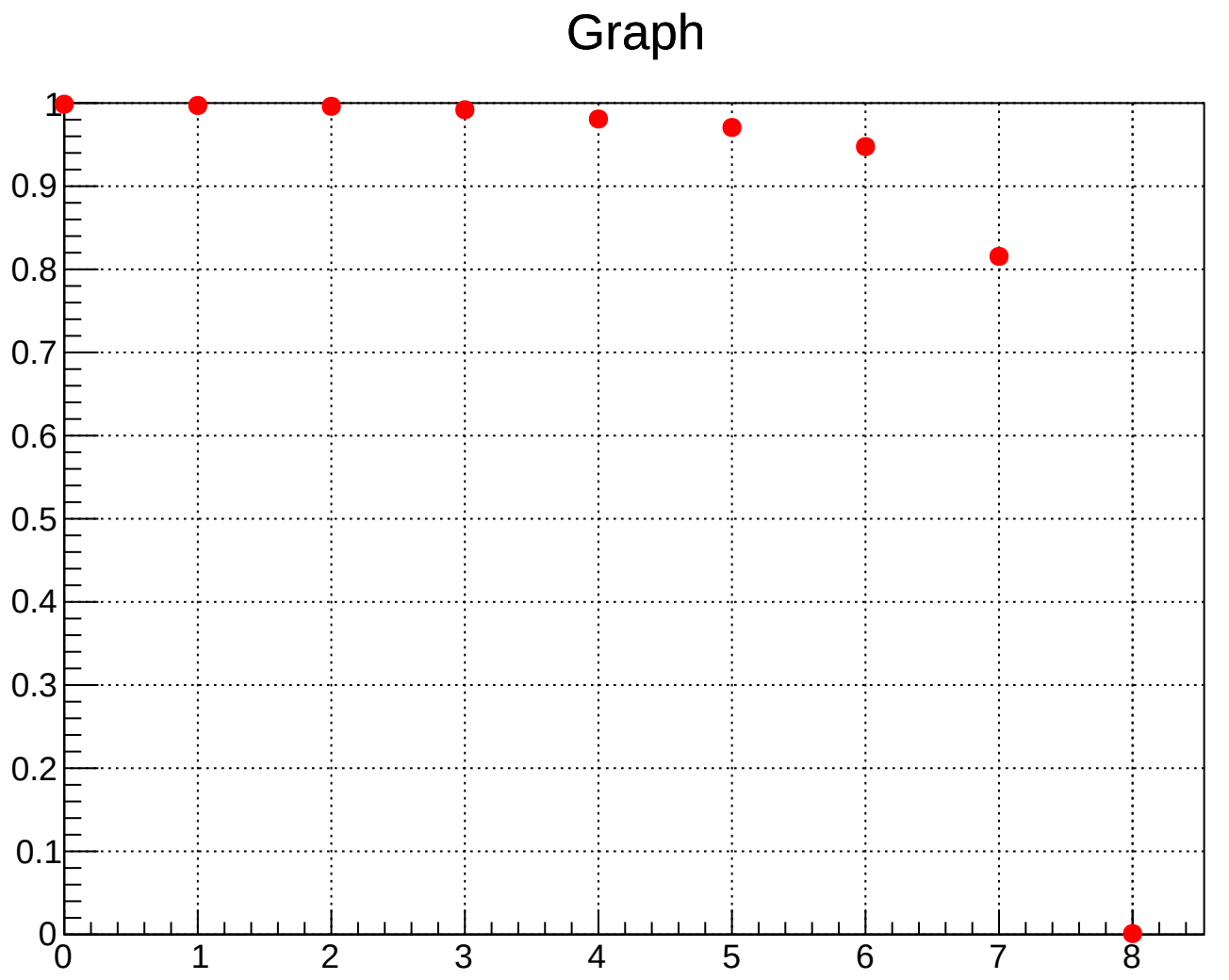

MissMass Sigma Gate4
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0.8
0.9
1
1.1
1.2
1.3
1.4

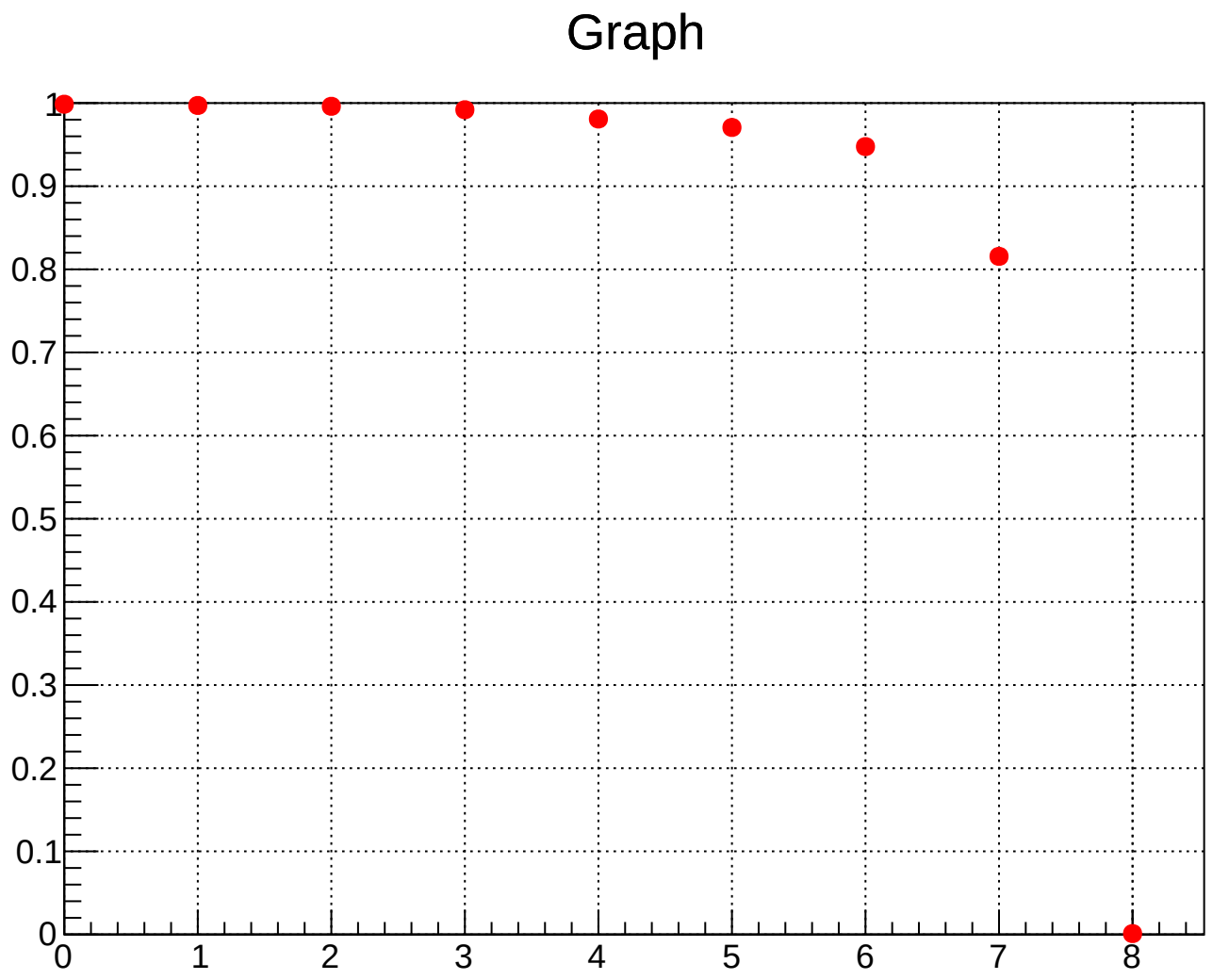

MissMass Sigma Gate5
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0.8
0.9
1
1.1
1.2
1.3
1.4

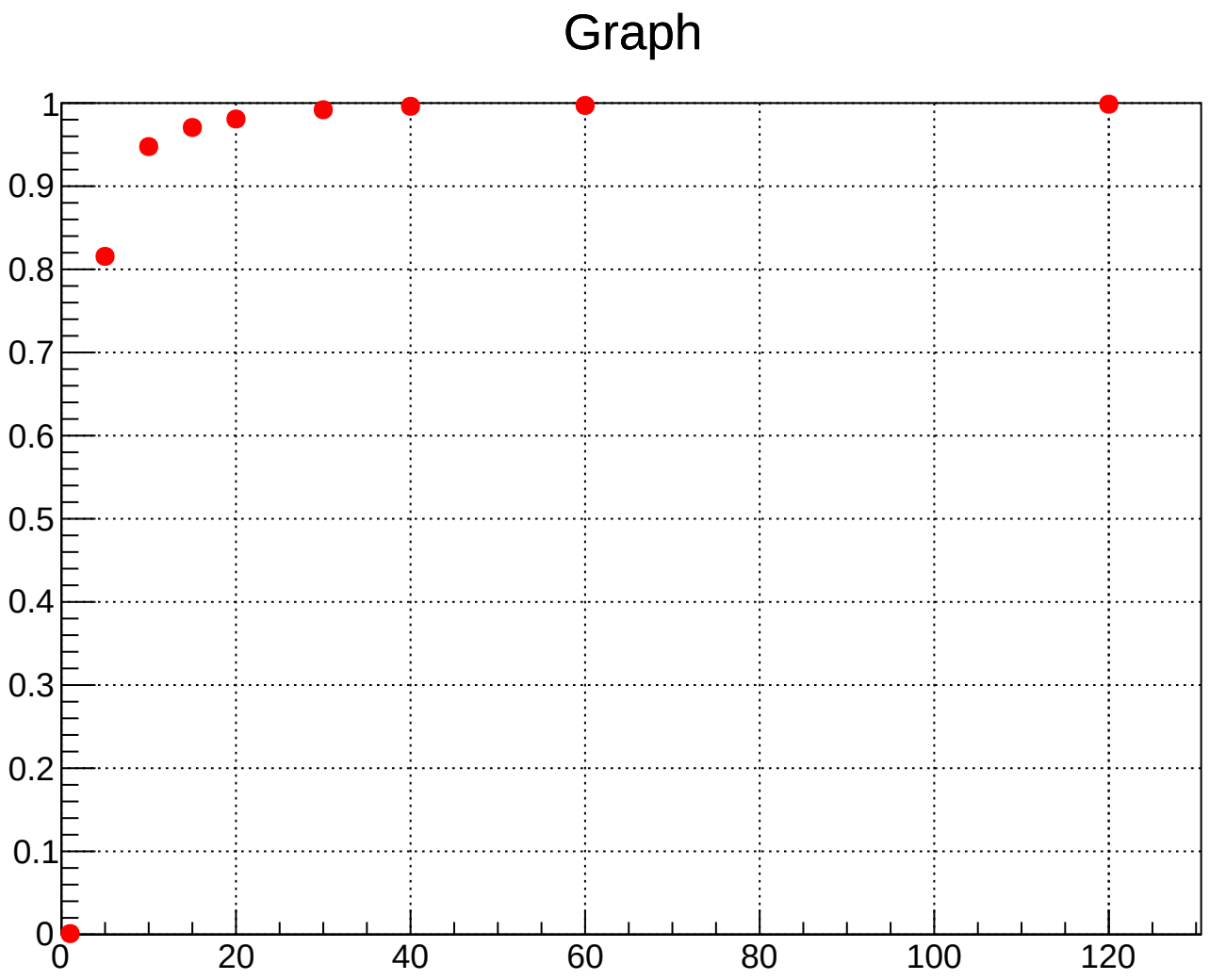

MissMass Sigma Gate6
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0.8
0.9
1
1.1
1.2
1.3
1.4


MissMass Sigma vtx & K
Entries 213389
Mean 1.208
Std Dev 0.04397
Underflow 587
Overflow 0
Integral 2.128e+05
35000
30000
25000
20000
15000
10000
5000
0
0.8
0.9
1
1.1
1.2
1.3
1.4


MissMass Sigma vtx & K & MissMass
Entries 182372
Mean 1.205
Std Dev 0.01481
Underflow 0
Overflow 0
Integral 1.824e+05
35000
30000
25000
20000
15000
10000
5000
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
1
2
3
4
5
6
7
8


Graph
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
8


Graph
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100
120