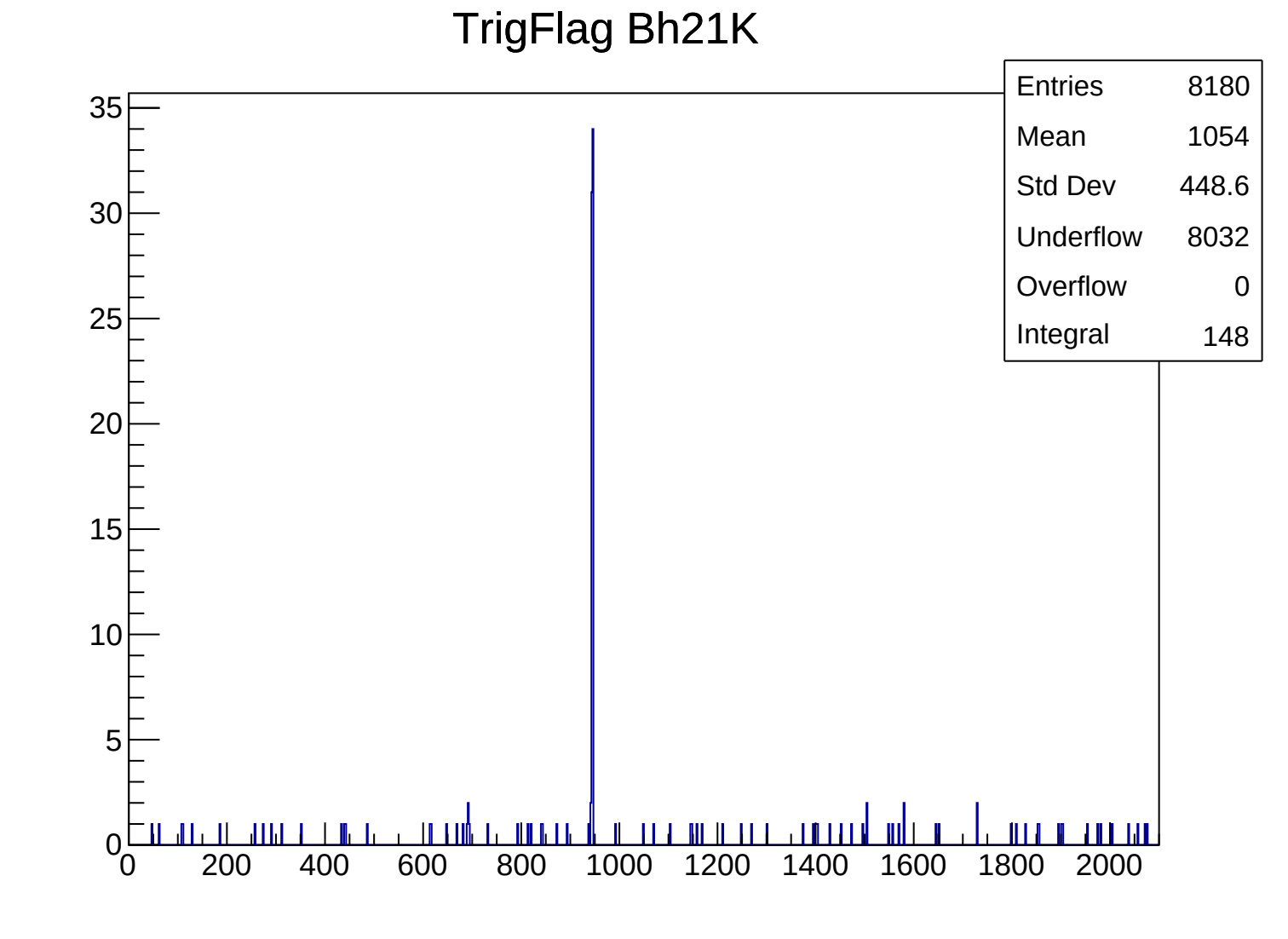
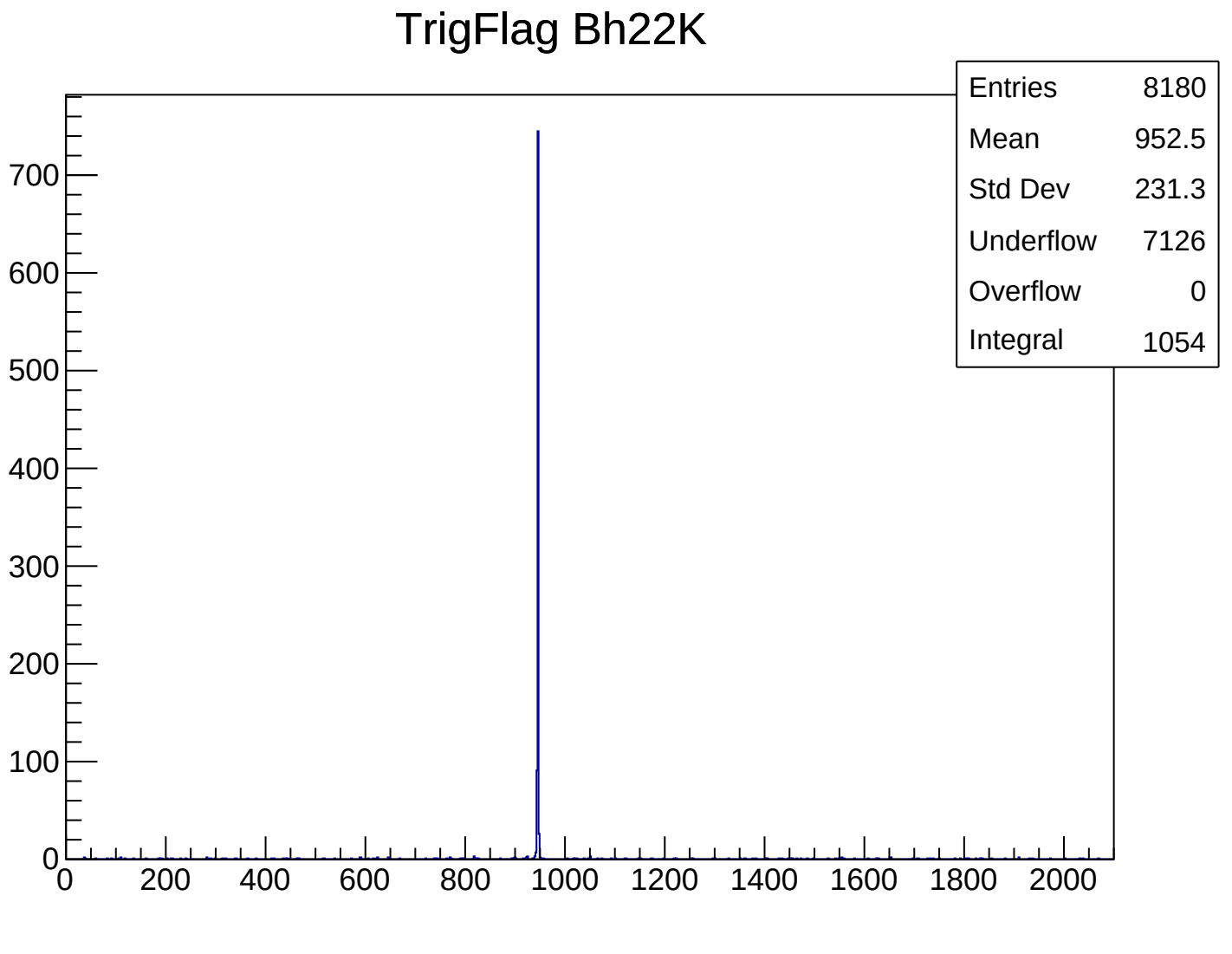
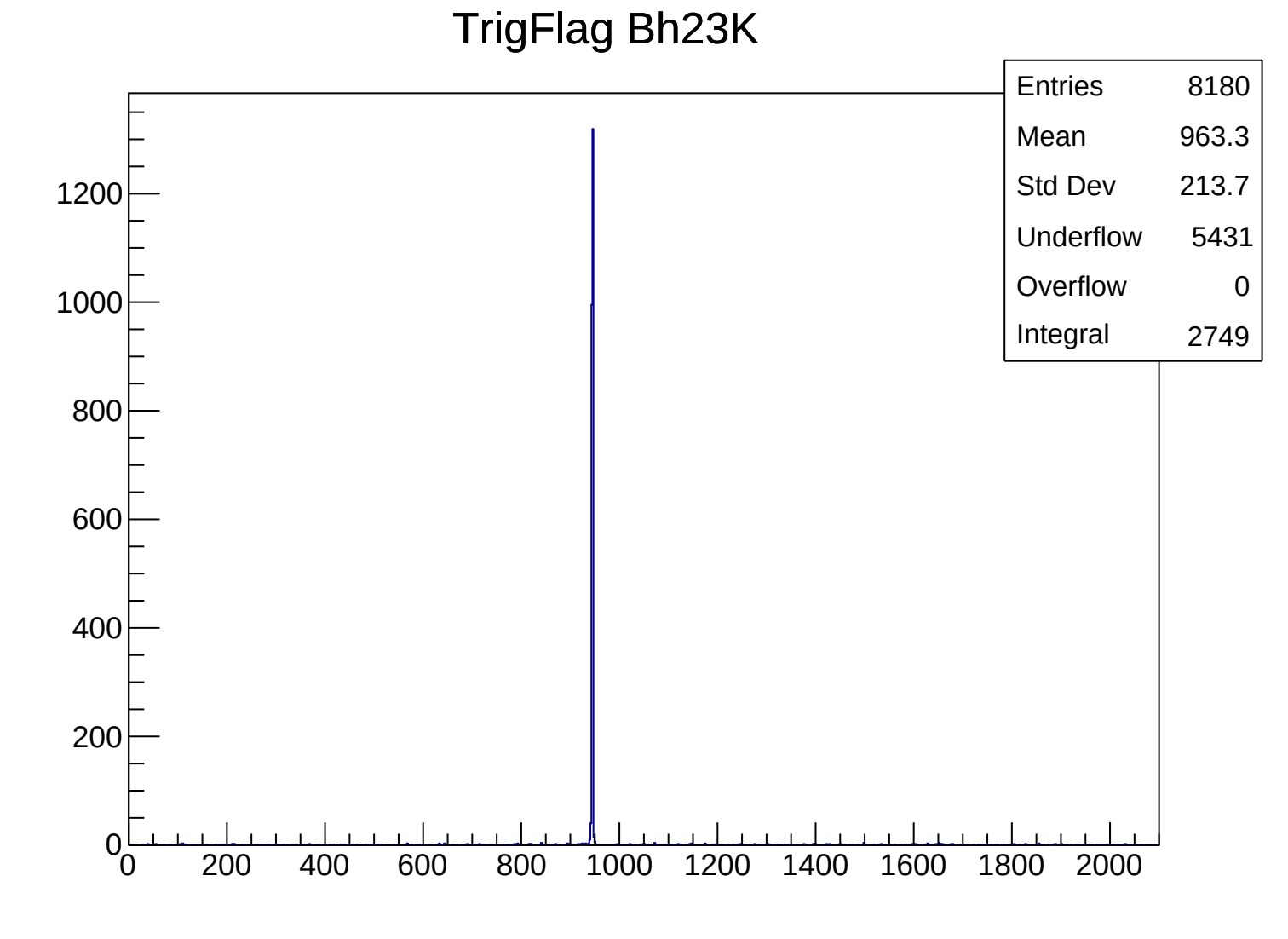
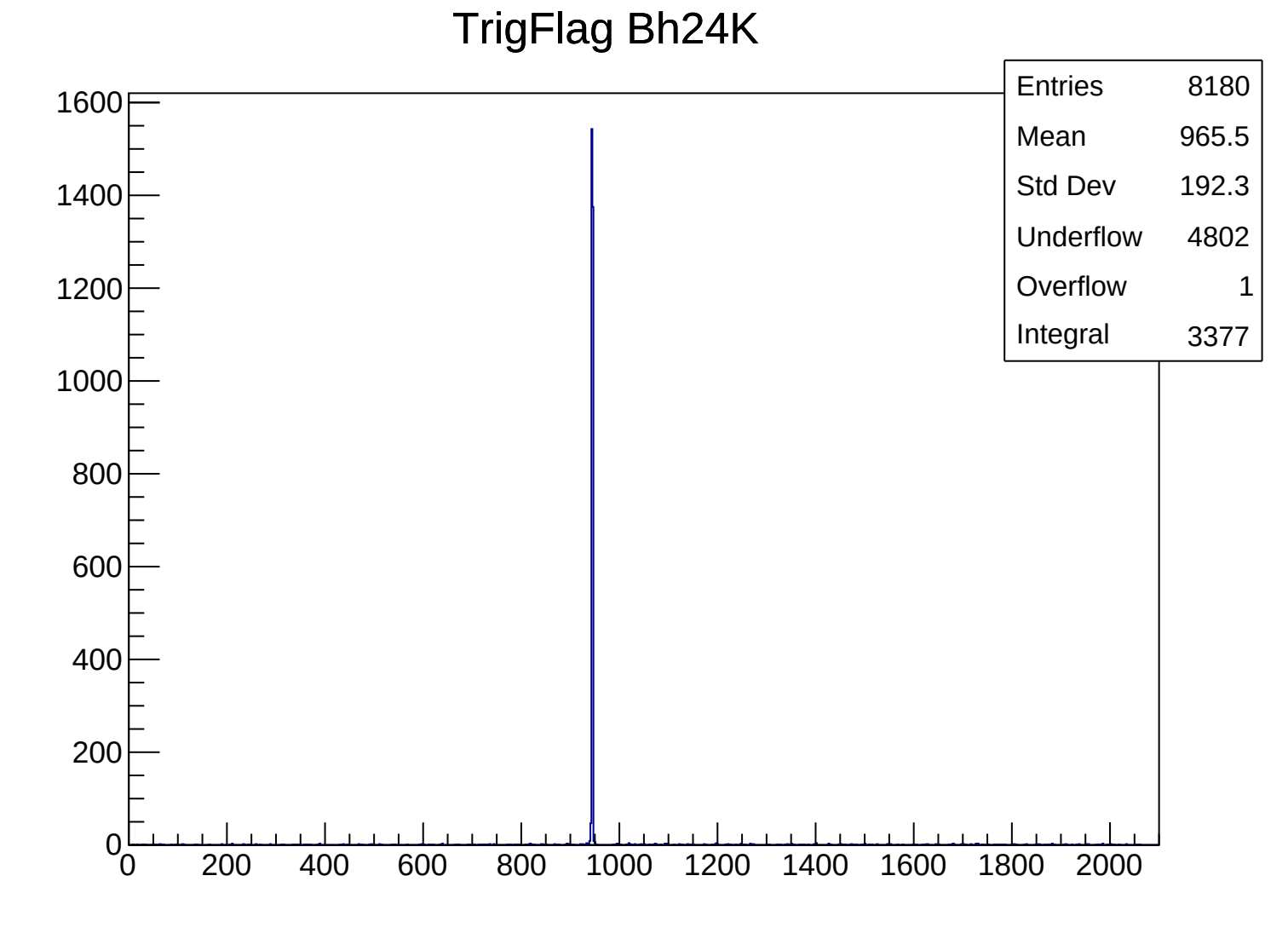
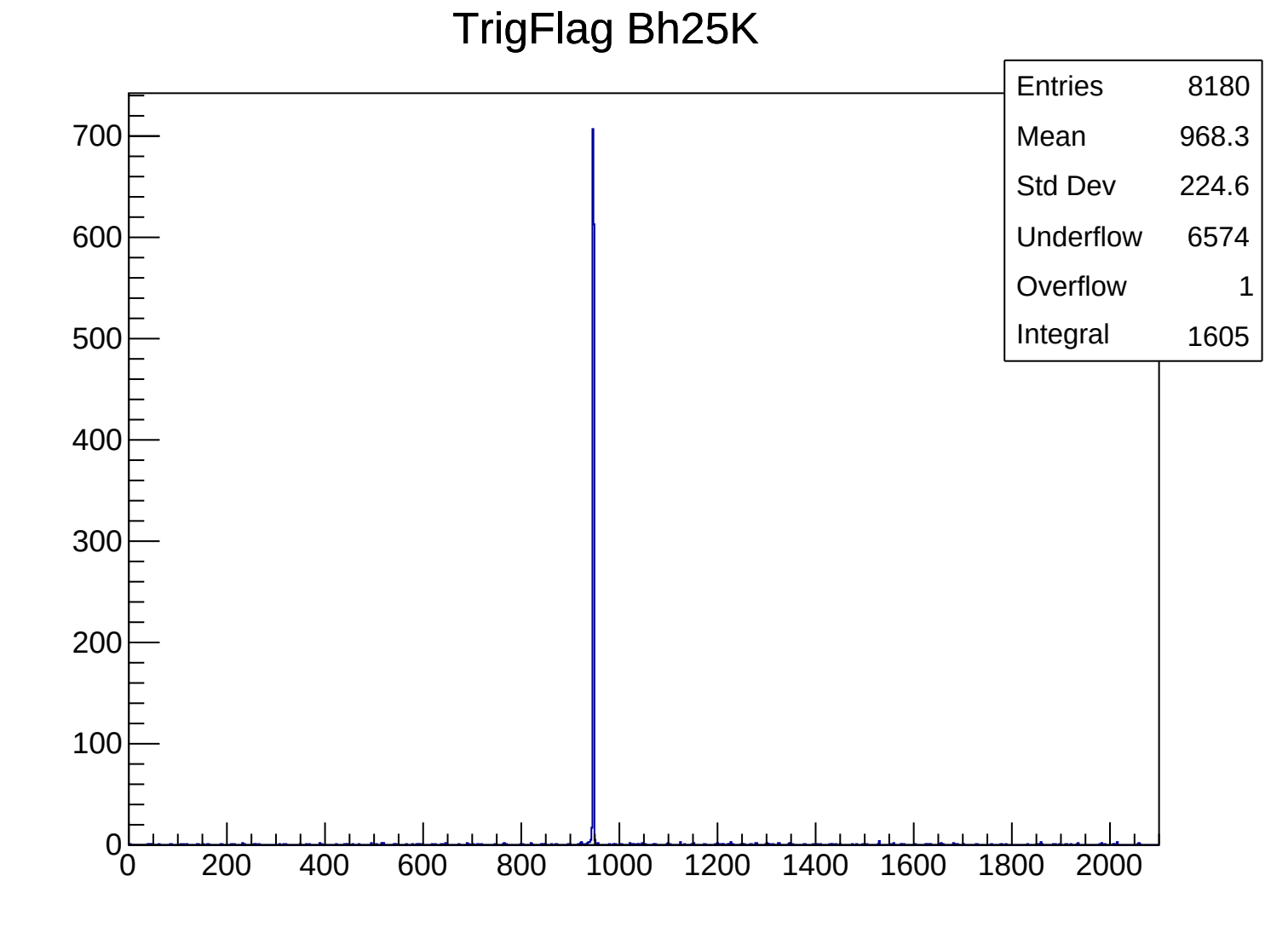
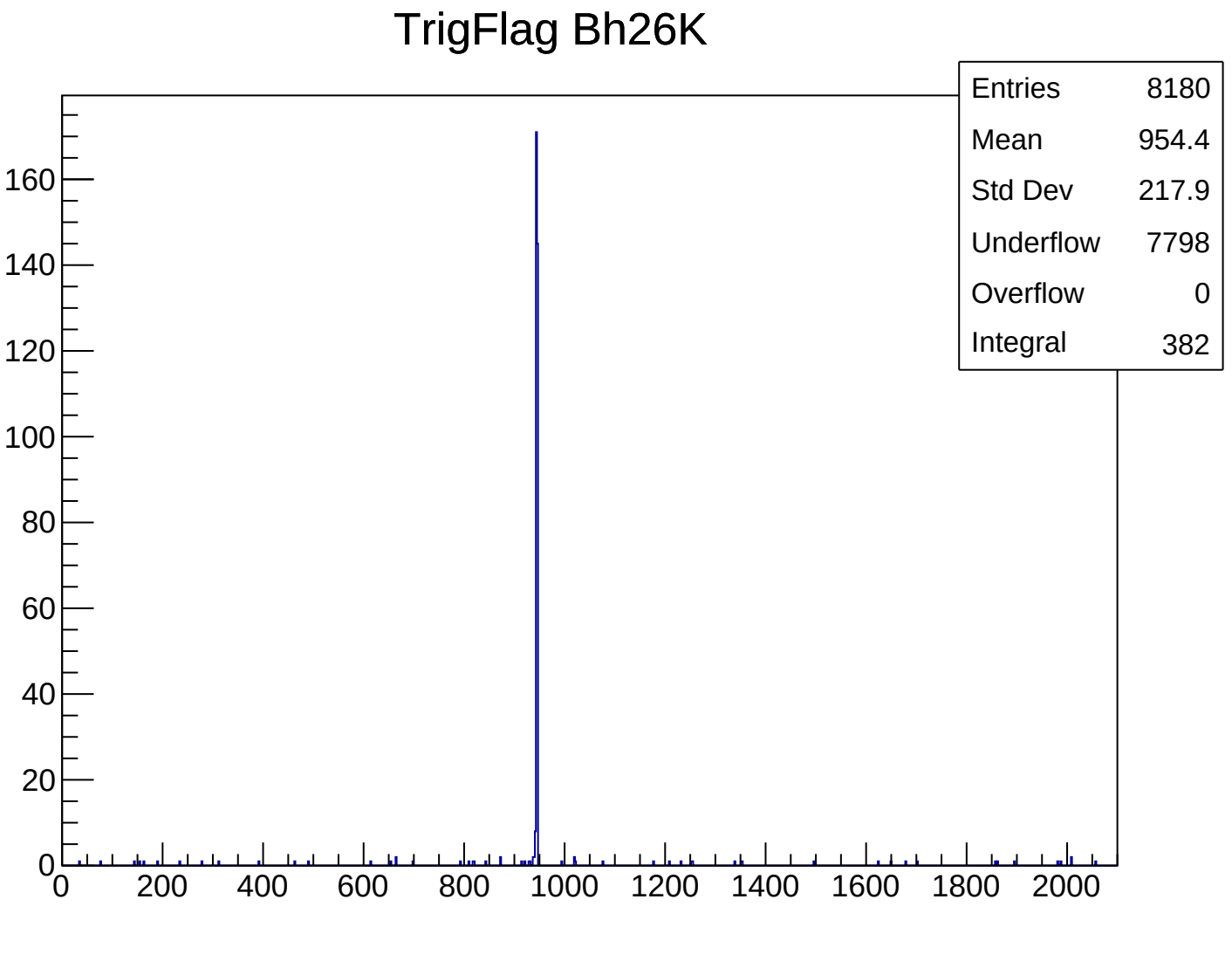

TrigFlag Bh21K
Entries 8180
Mean 1054
Std Dev 448.6
Underflow 8032
Overflow 0
Integral 148
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

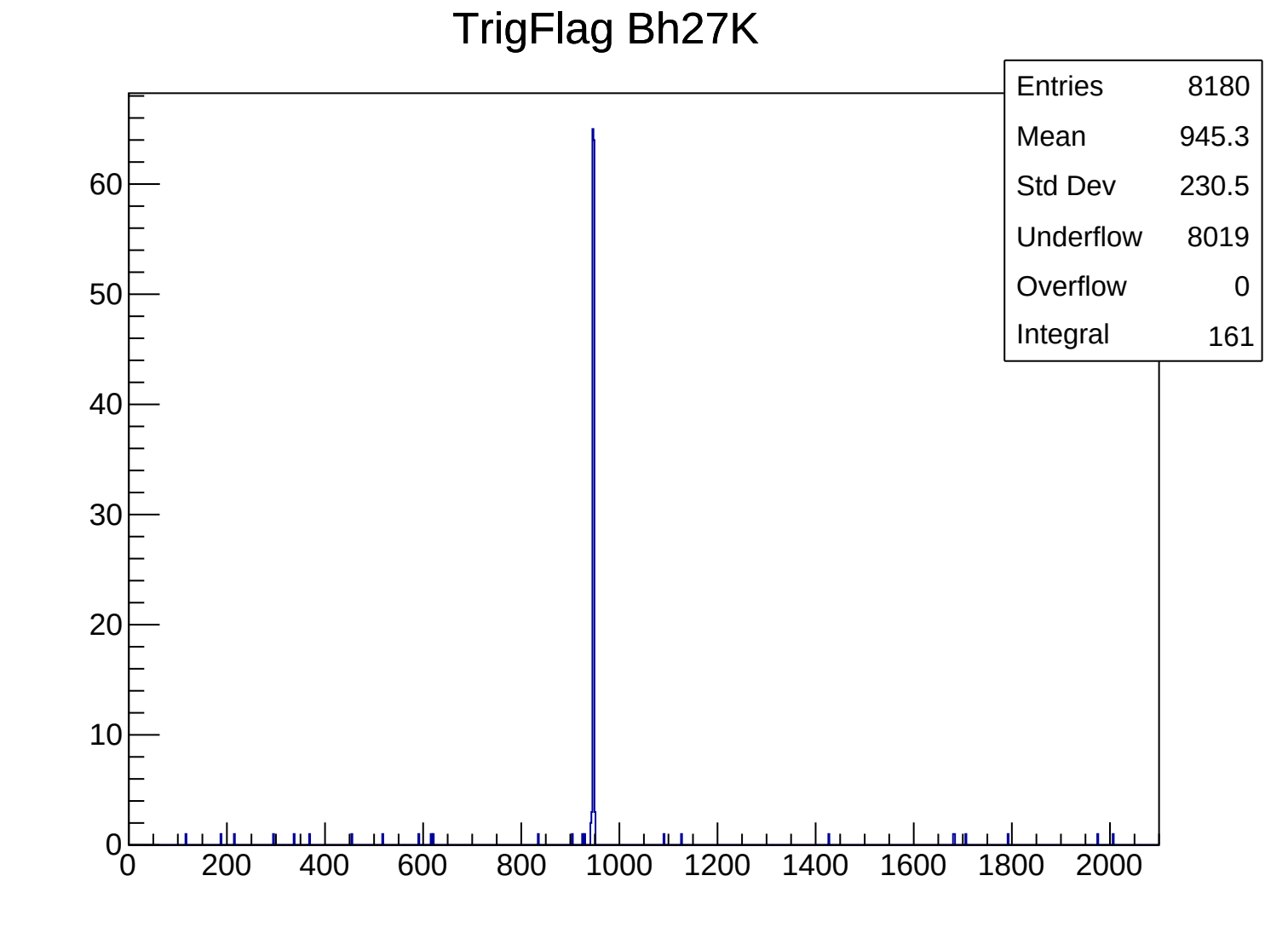

TrigFlag Bh22K
Entries 8180
Mean 952.5
Std Dev 231.3
Underflow 7126
Overflow 0
Integral 1054
0
100
200
300
400
500
600
700
0
200
400
600
800
1000
1200
1400
1600
1800
2000

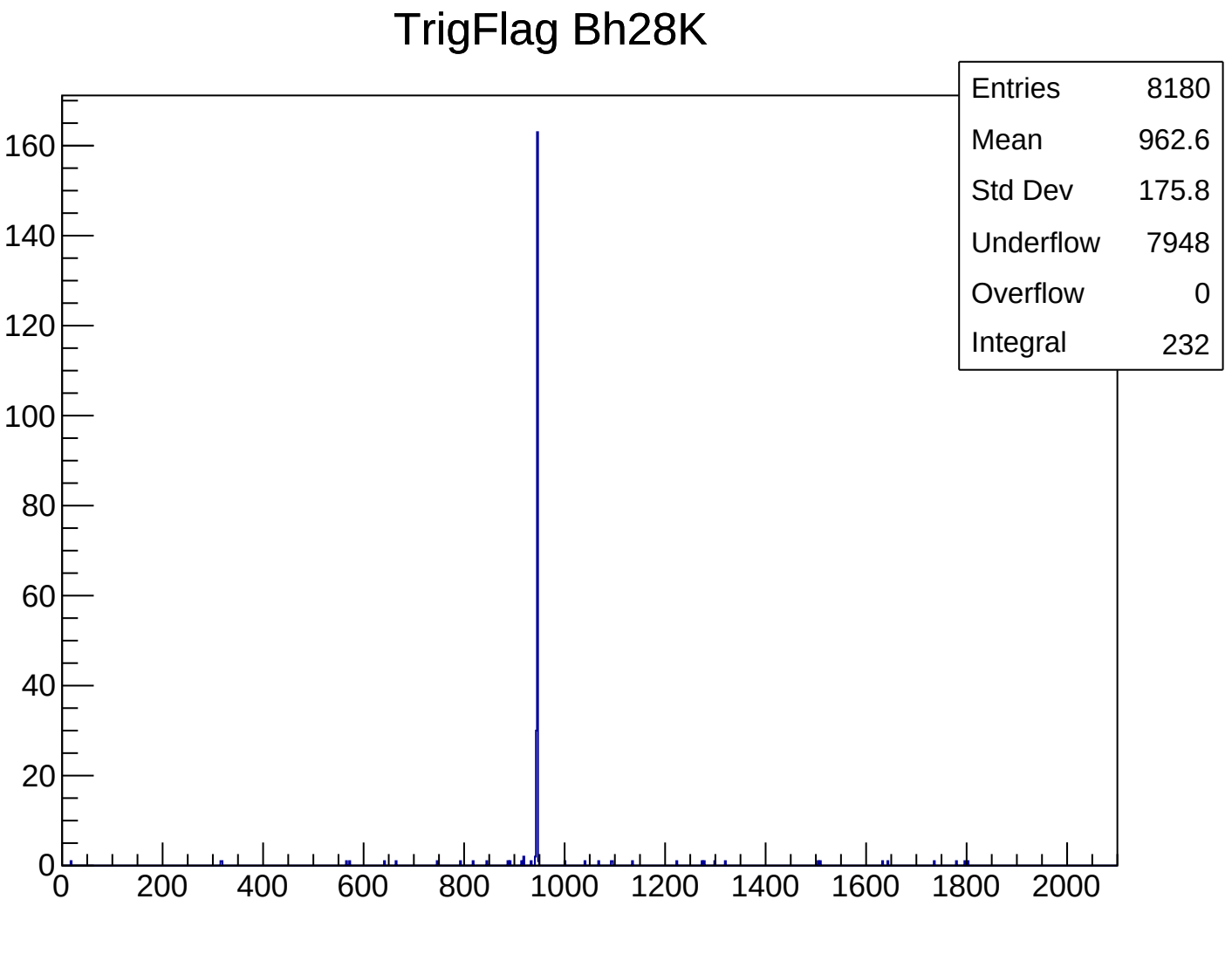

TrigFlag Bh23K
Entries 8180
Mean 963.3
Std Dev 213.7
Underflow 5431
Overflow 0
Integral 2749
0
200
400
600
800
1000
1200
0
200
400
600
800
1000
1200
1400
1600
1800
2000

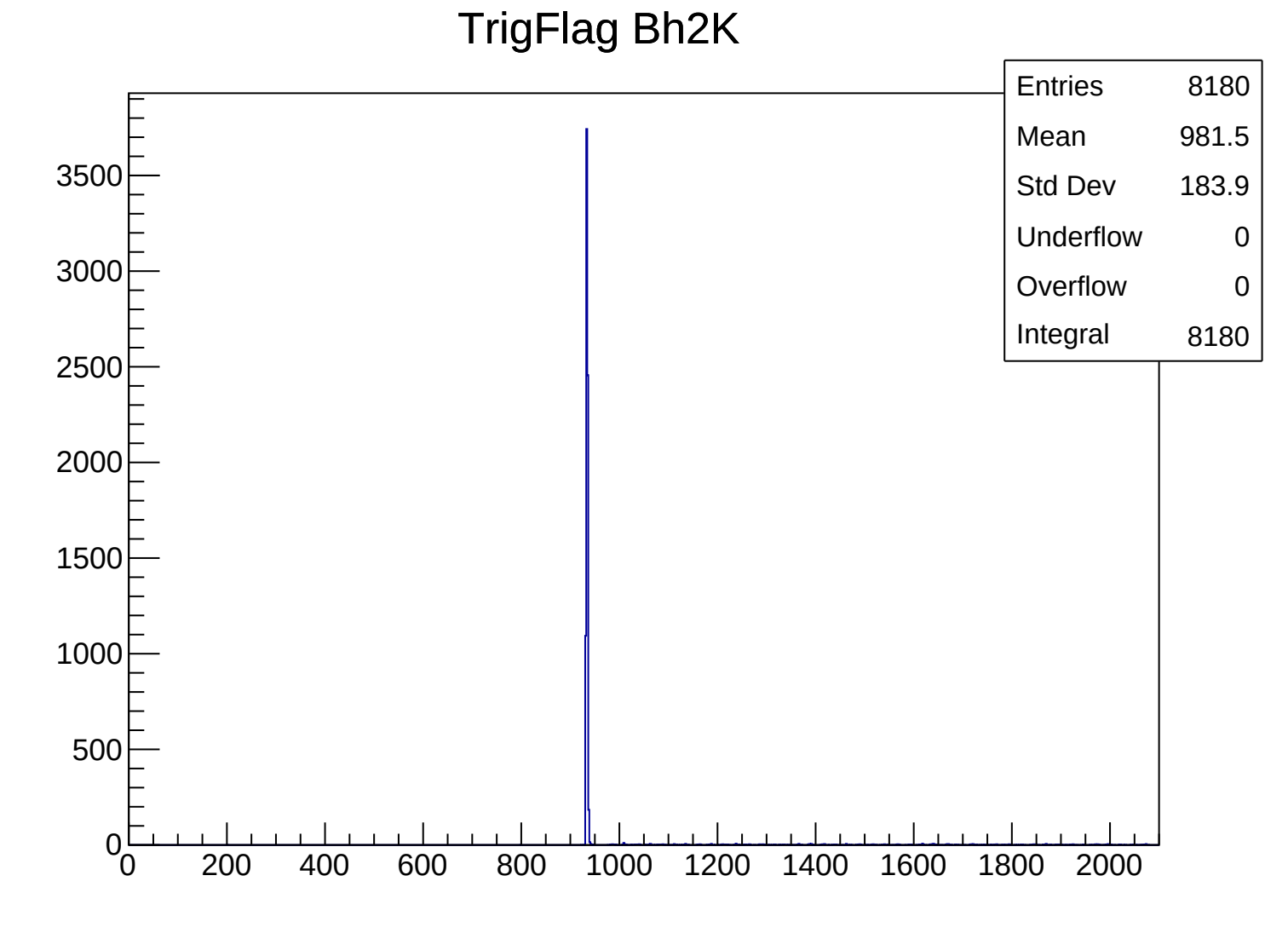

TrigFlag Bh24K
Entries 8180
Mean 965.5
Std Dev 192.3
Underflow 4802
Overflow 1
Integral 3377
1600
1400
1200
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

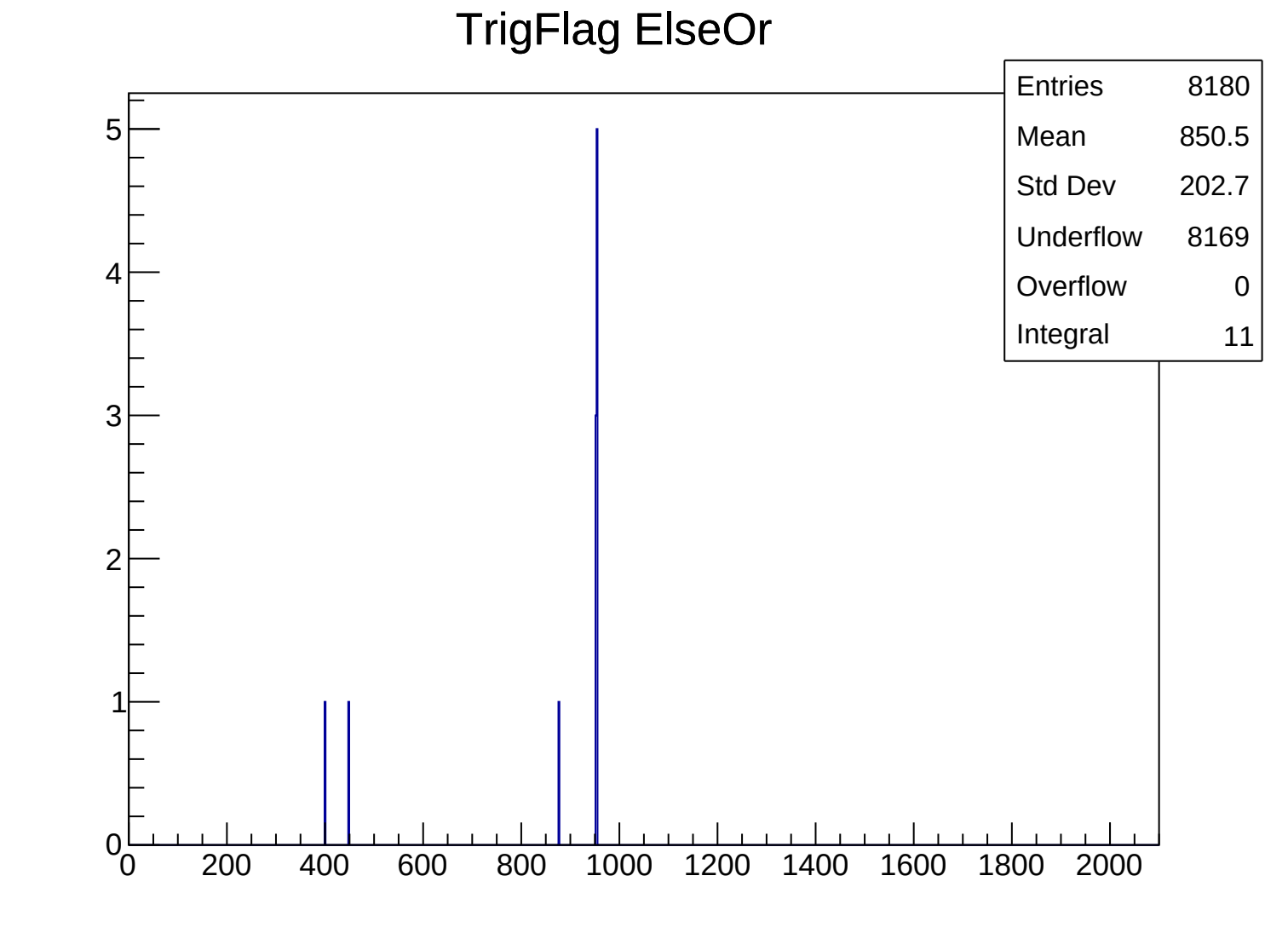

TrigFlag Bh25K
Entries 8180
Mean 968.3
Std Dev 224.6
Underflow 6574
Overflow 1
Integral 1605
700
600
500
400
300
200
100
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

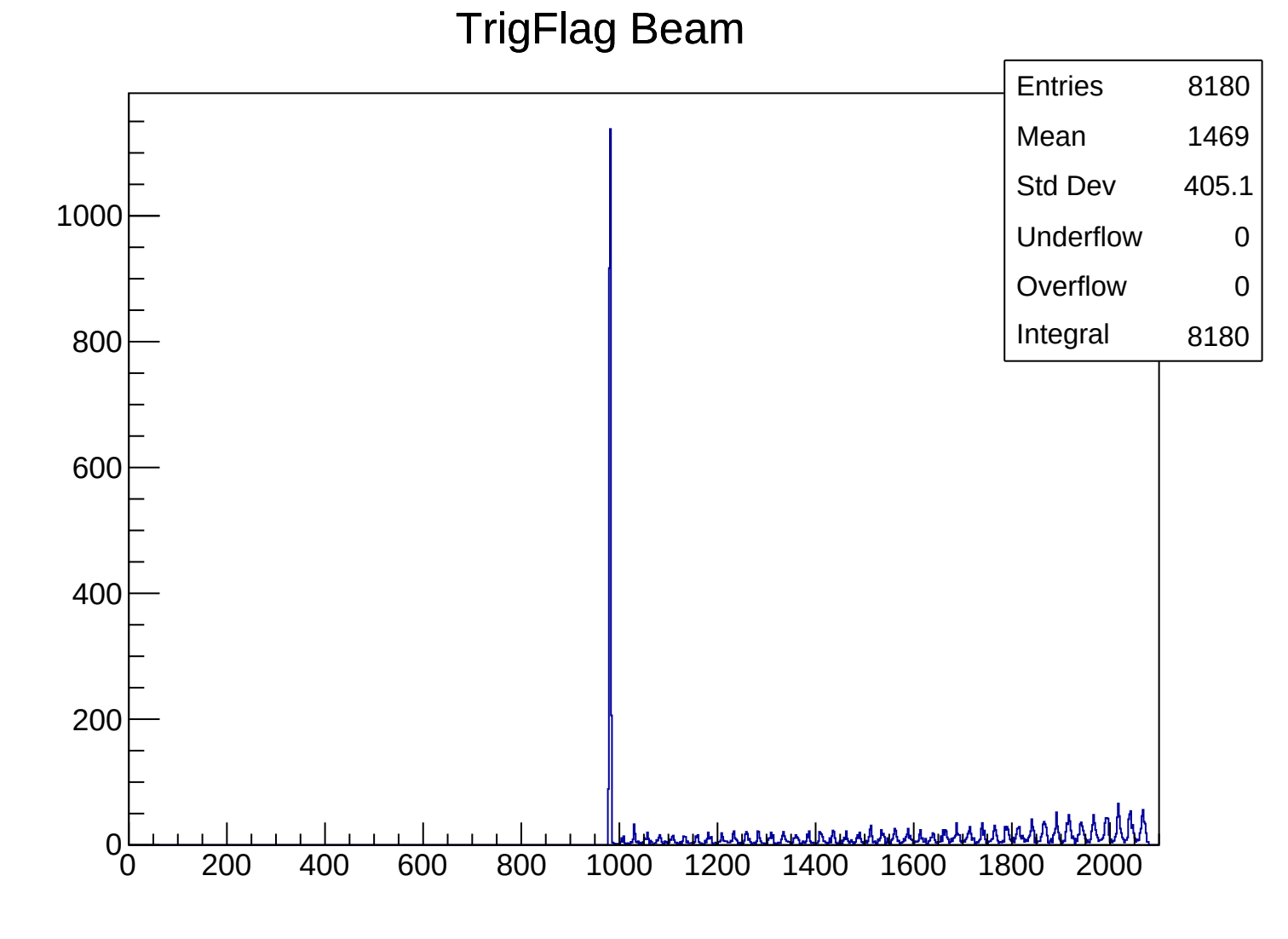

TrigFlag Bh26K
Entries 8180
Mean 954.4
Std Dev 217.9
Underflow 7798
Overflow 0
Integral 382
0
20
40
60
80
100
120
140
160
0
200
400
600
800
1000
1200
1400
1600
1800
2000

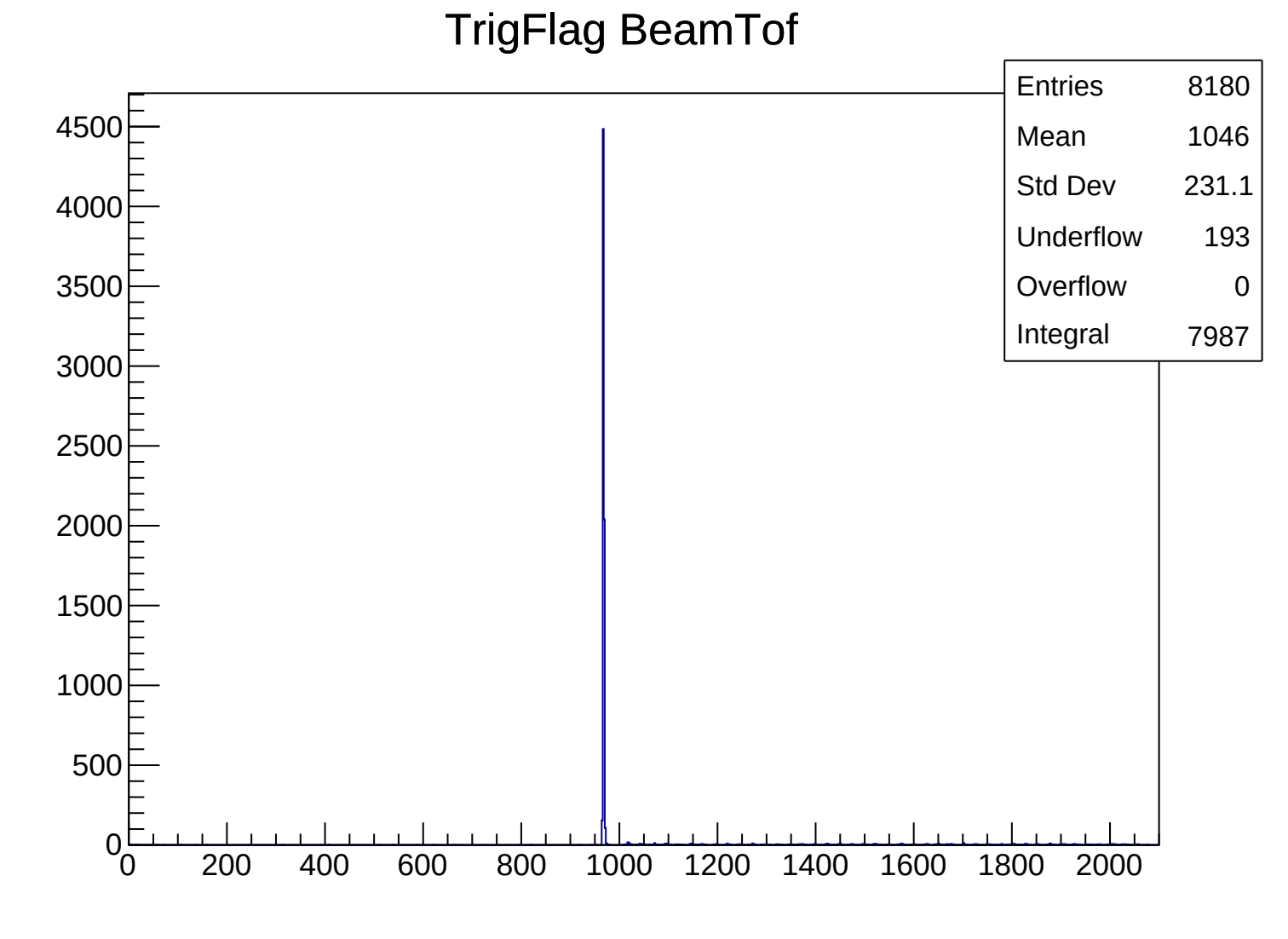

TrigFlag Bh27K
Entries 8180
Mean 945.3
Std Dev 230.5
Underflow 8019
Overflow 0
Integral 161
0
10
20
30
40
50
60
0
200
400
600
800
1000
1200
1400
1600
1800
2000

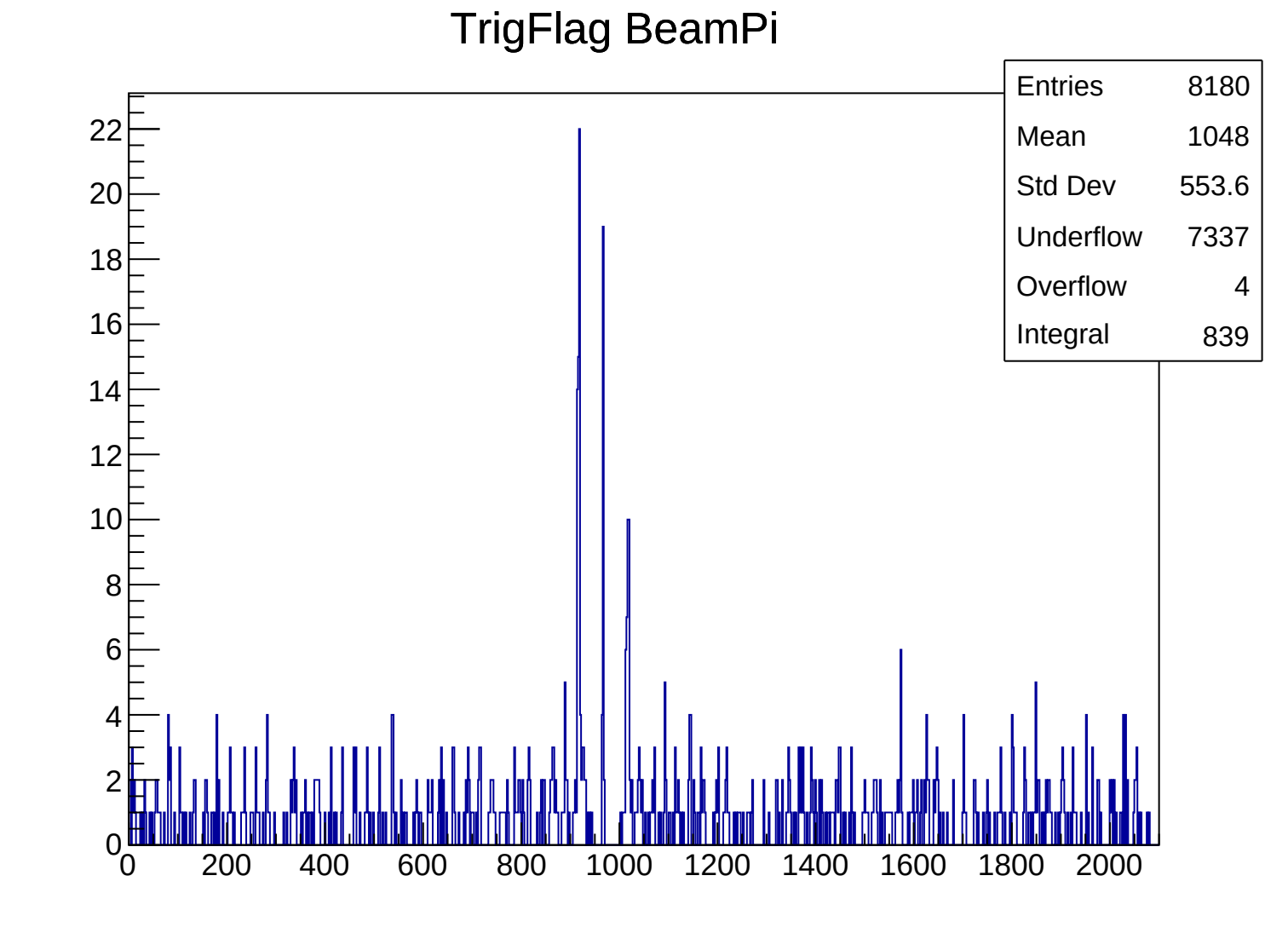

TrigFlag Bh28K
Entries 8180
Mean 962.6
Std Dev 175.8
Underflow 7948
Overflow 0
Integral 232
0
20
40
60
80
100
120
140
160
0
200
400
600
800
1000
1200
1400
1600
1800
2000

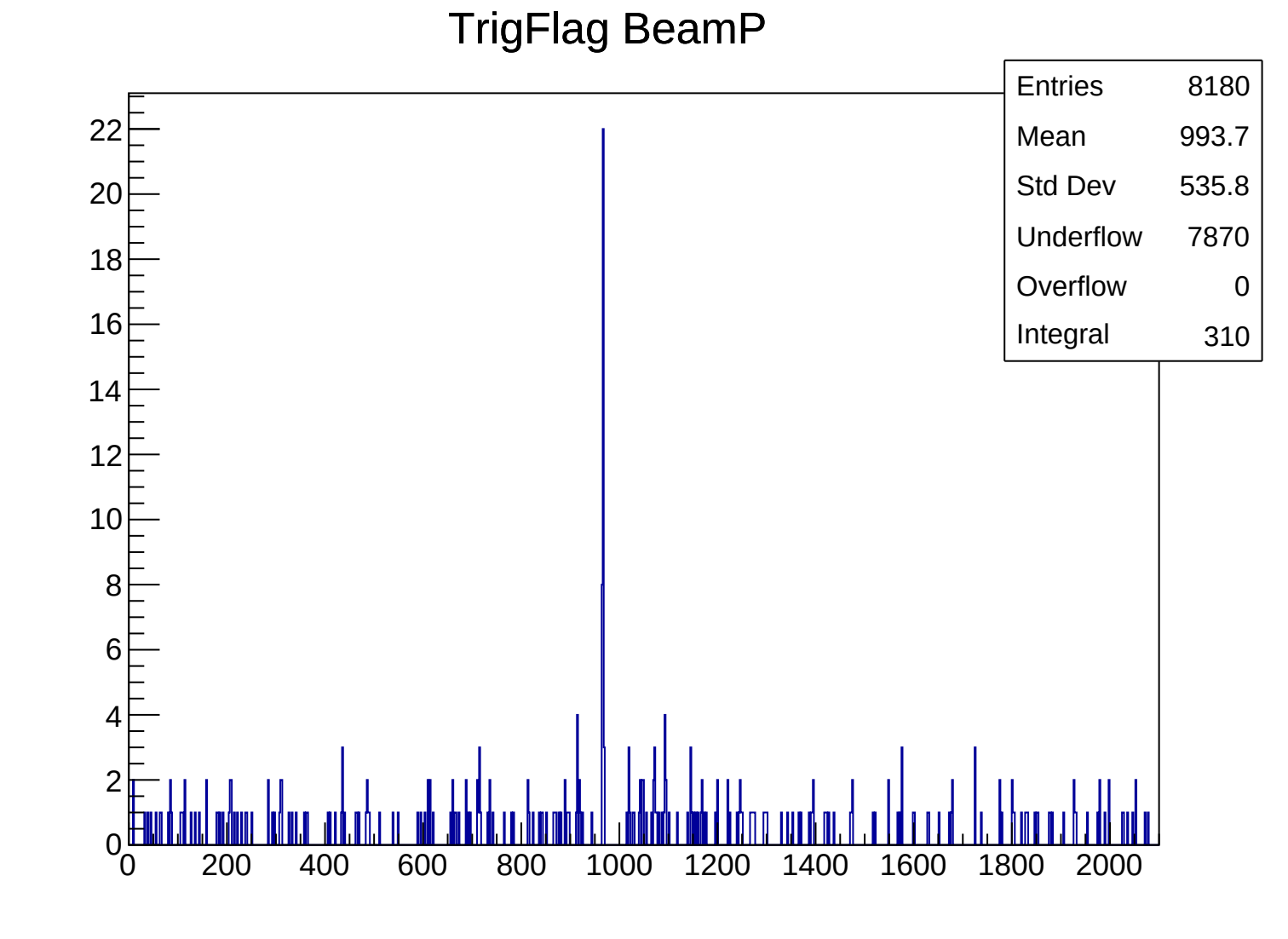

TrigFlag Bh2K
Entries 8180
Mean 981.5
Std Dev 183.9
Underflow 0
Overflow 0
Integral 8180
3500
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

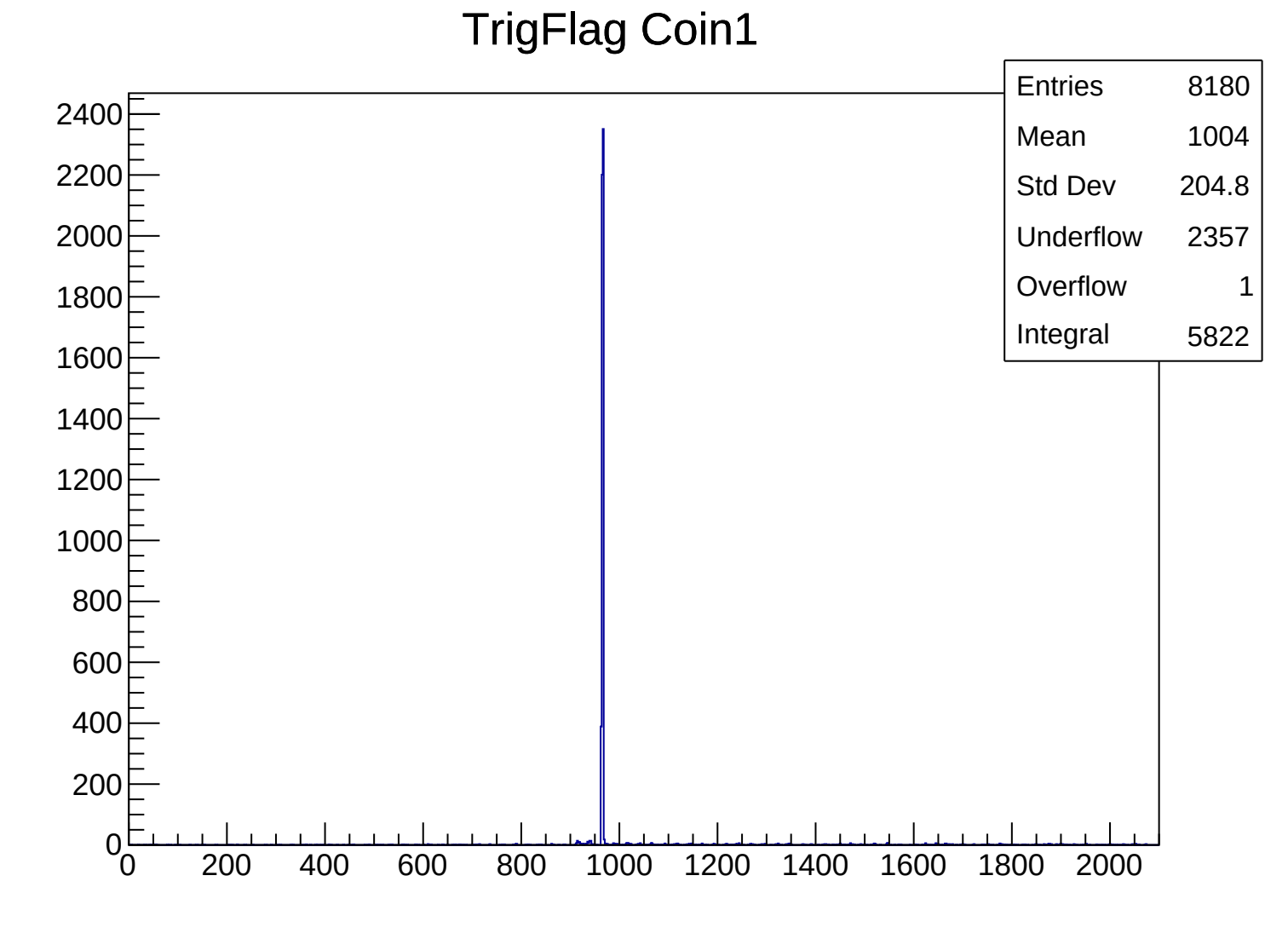

TrigFlag ElseOr
Entries 8180
Mean 850.5
Std Dev 202.7
Underflow 8169
Overflow 0
Integral 11
0
1
2
3
4
5
0
200
400
600
800
1000
1200
1400
1600
1800
2000

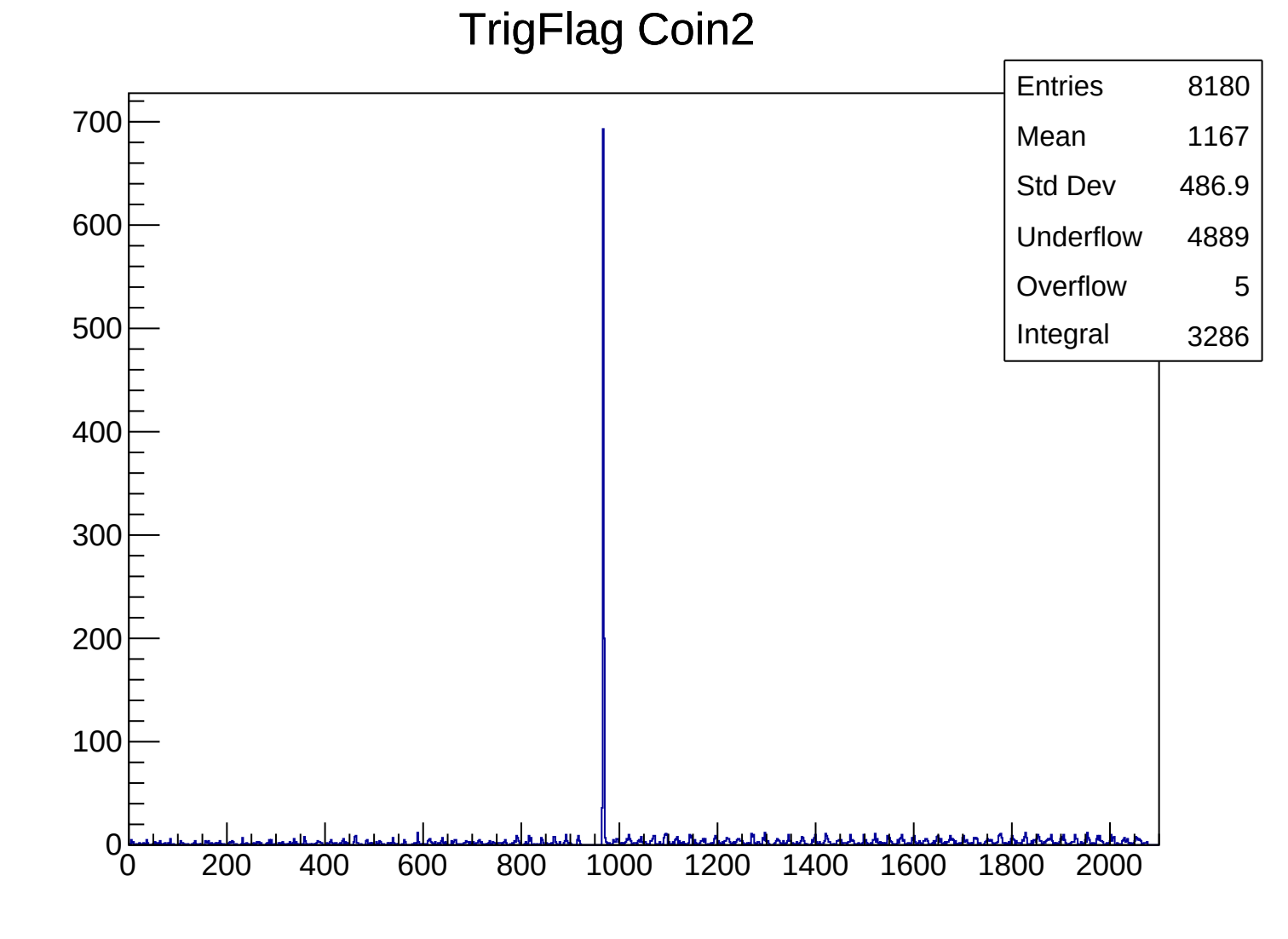

TrigFlag Beam
Entries 8180
Mean 1469
Std Dev 405.1
Underflow 0
Overflow 0
Integral 8180
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

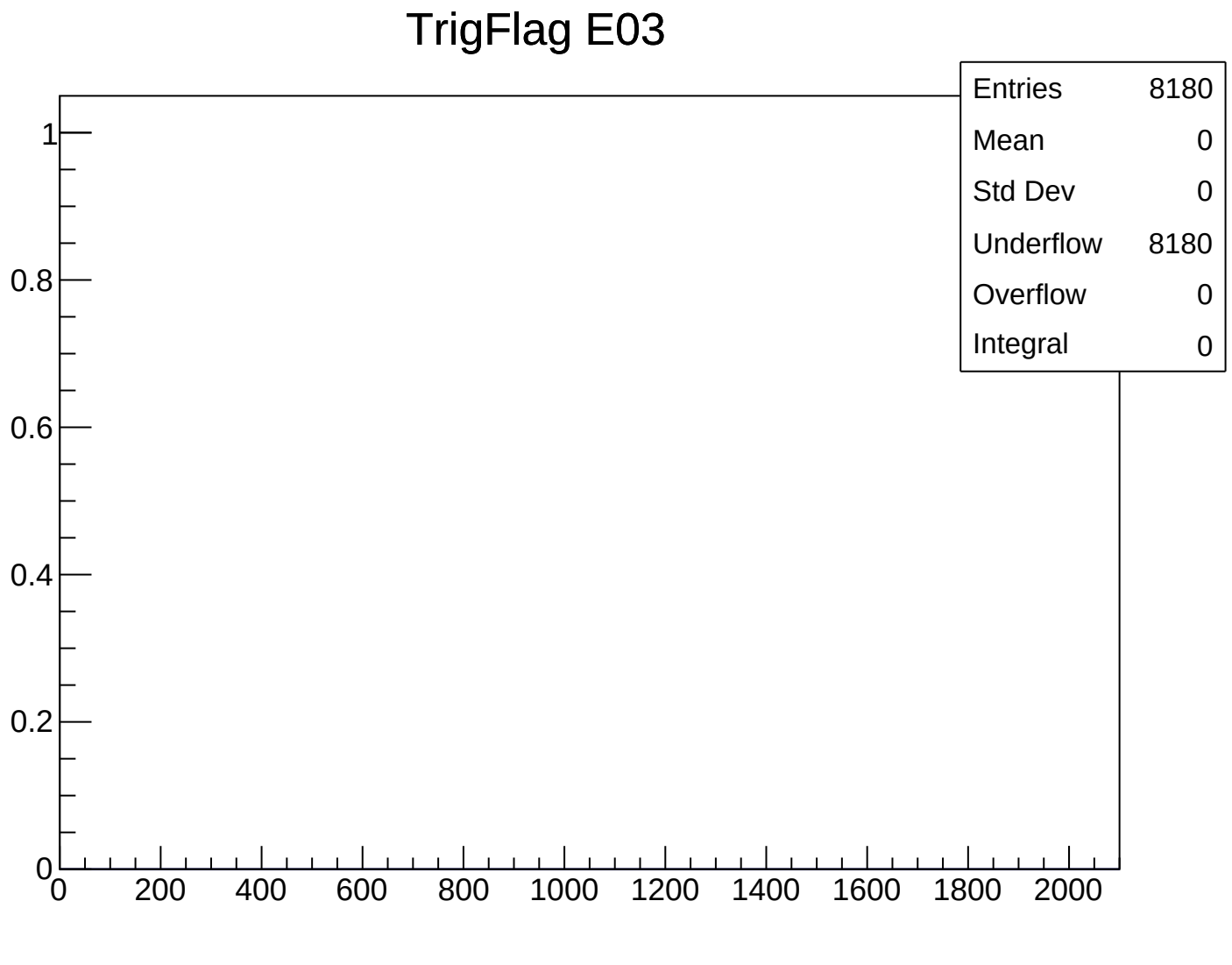

TrigFlag BeamTof
Entries 8180
Mean 1046
Std Dev 231.1
Underflow 193
Overflow 0
Integral 7987
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

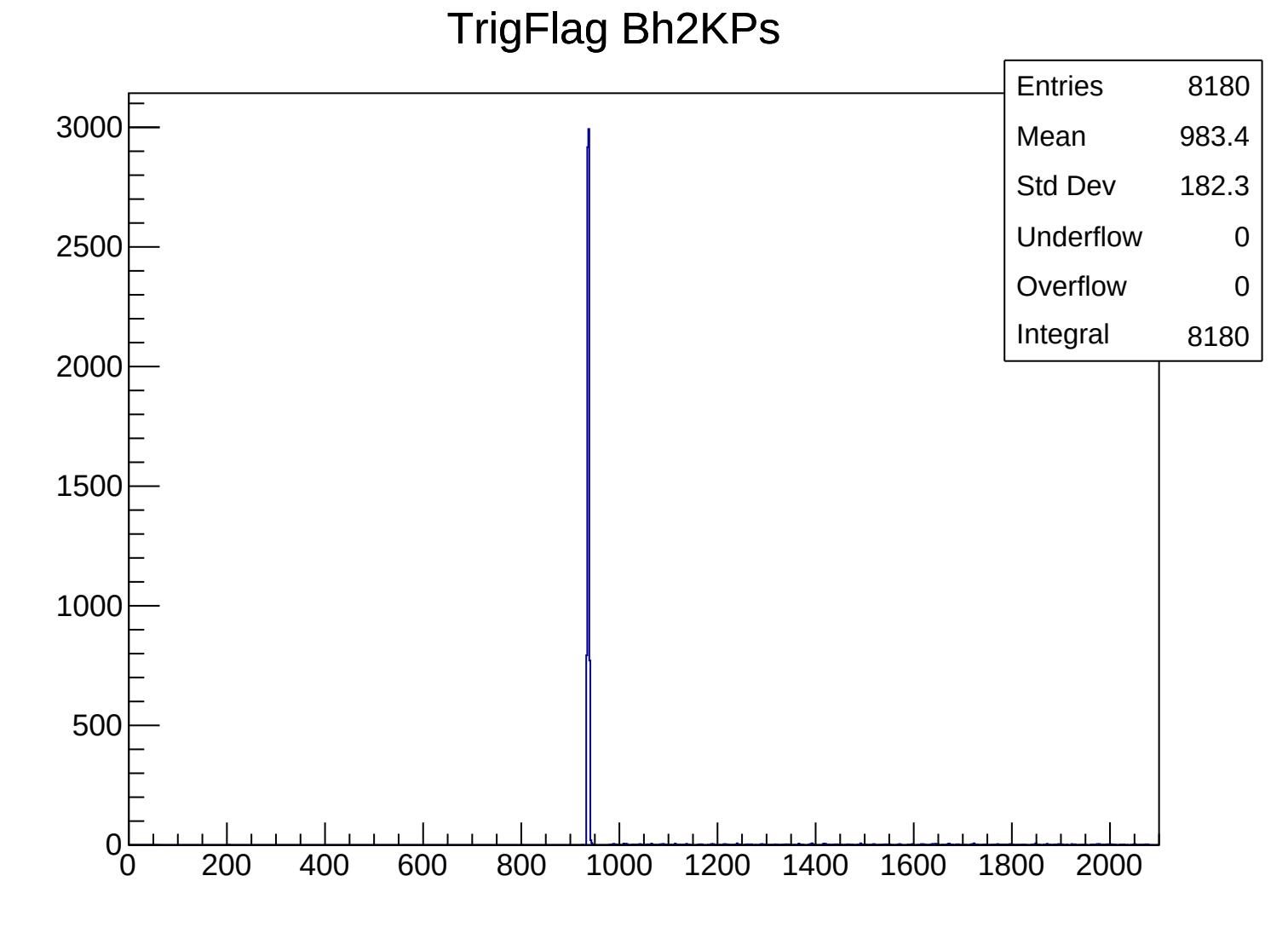

TrigFlag BeamPi
Entries 8180
Mean 1048
Std Dev 553.6
Underflow 7337
Overflow 4
Integral 839
0
2
4
6
8
10
12
14
16
18
20
22
0
200
400
600
800
1000
1200
1400
1600
1800
2000

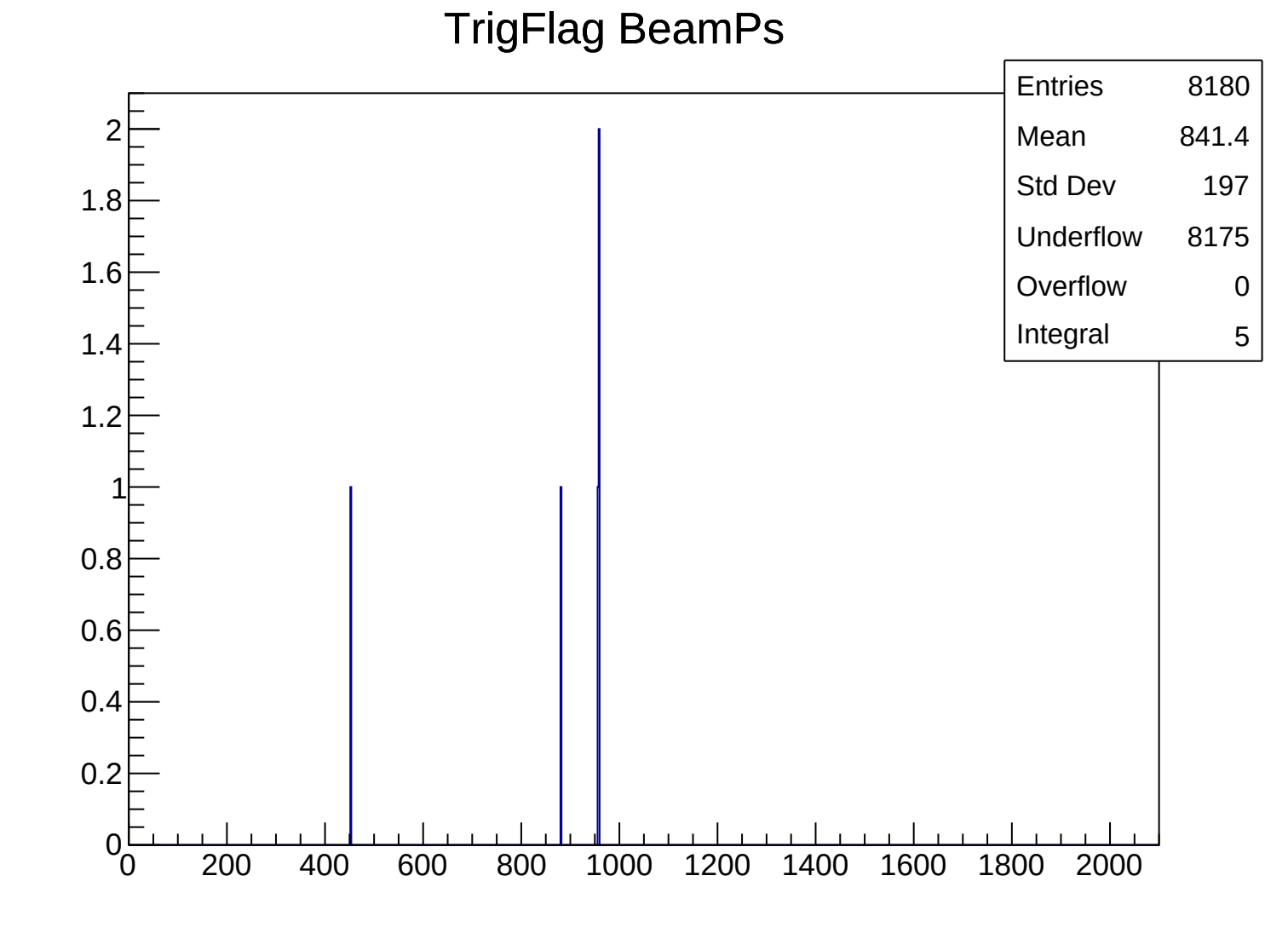

TrigFlag BeamP
Entries 8180
Mean 993.7
Std Dev 535.8
Underflow 7870
Overflow 0
Integral 310
0
2
4
6
8
10
12
14
16
18
20
22
0
200
400
600
800
1000
1200
1400
1600
1800
2000

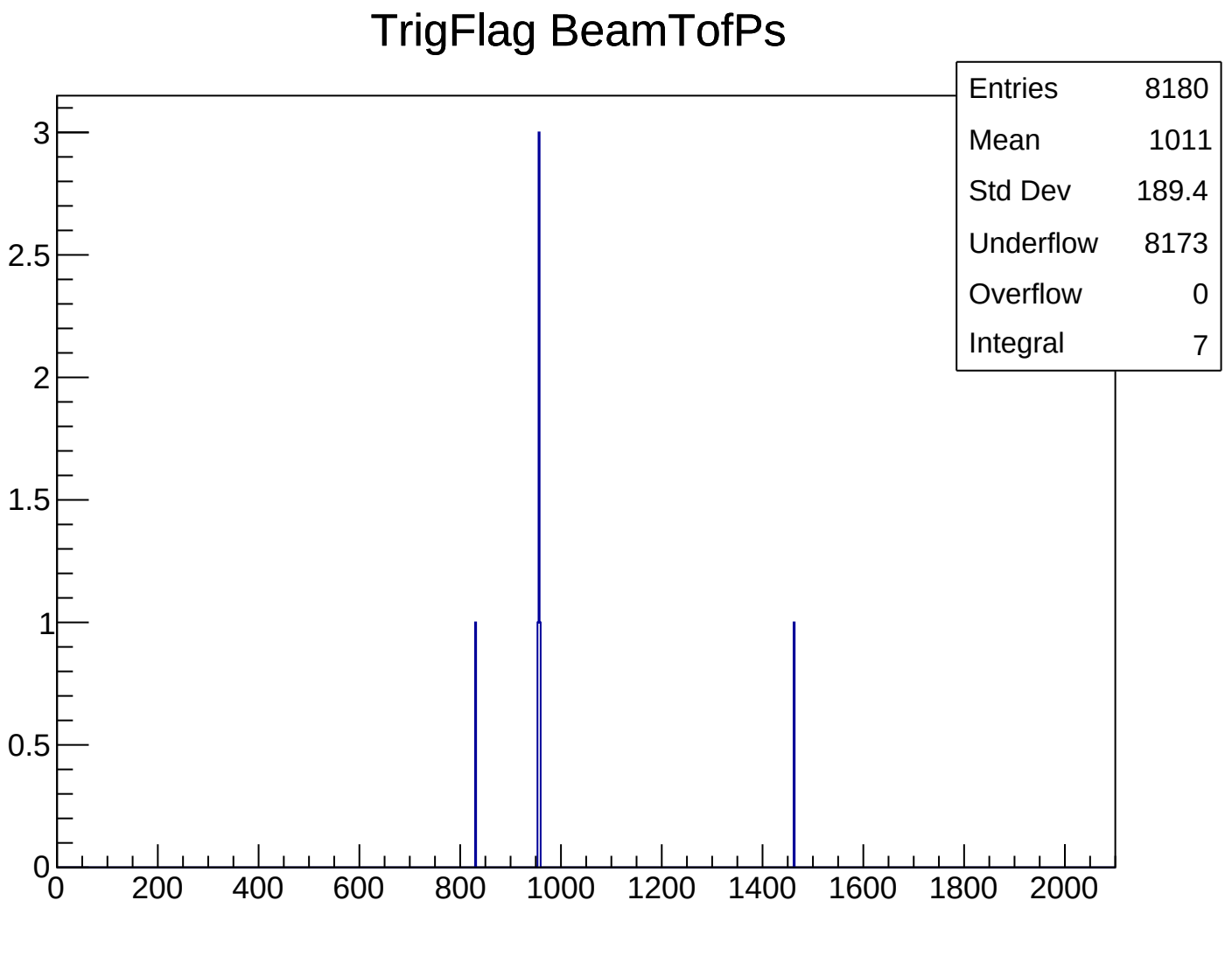

TrigFlag Coin1
Entries 8180
Mean 1004
Std Dev 204.8
Underflow 2357
Overflow 1
Integral 5822
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

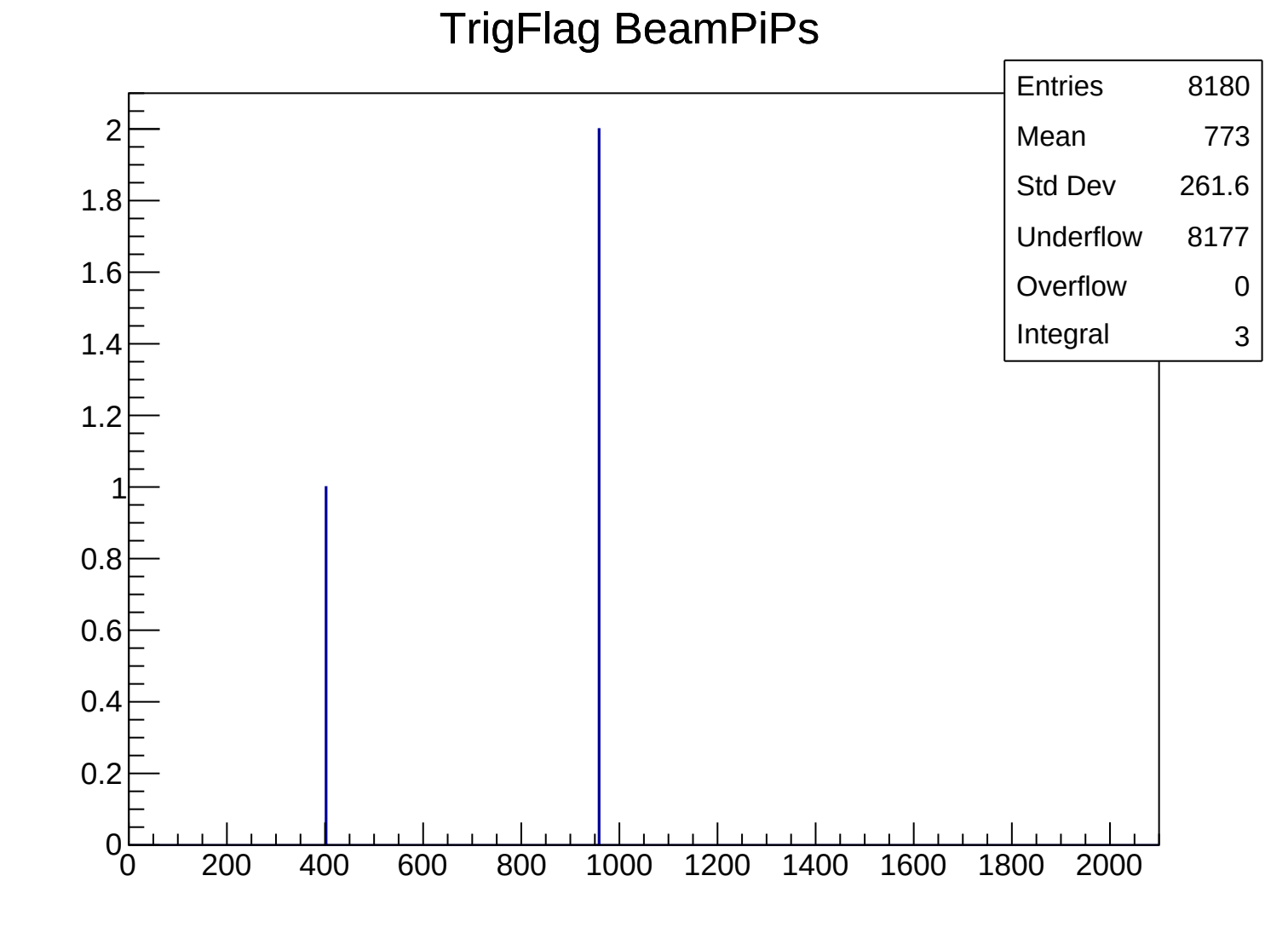

TrigFlag Coin2
Entries 8180
Mean 1167
Std Dev 486.9
Underflow 4889
Overflow 5
Integral 3286
700
600
500
400
300
200
100
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

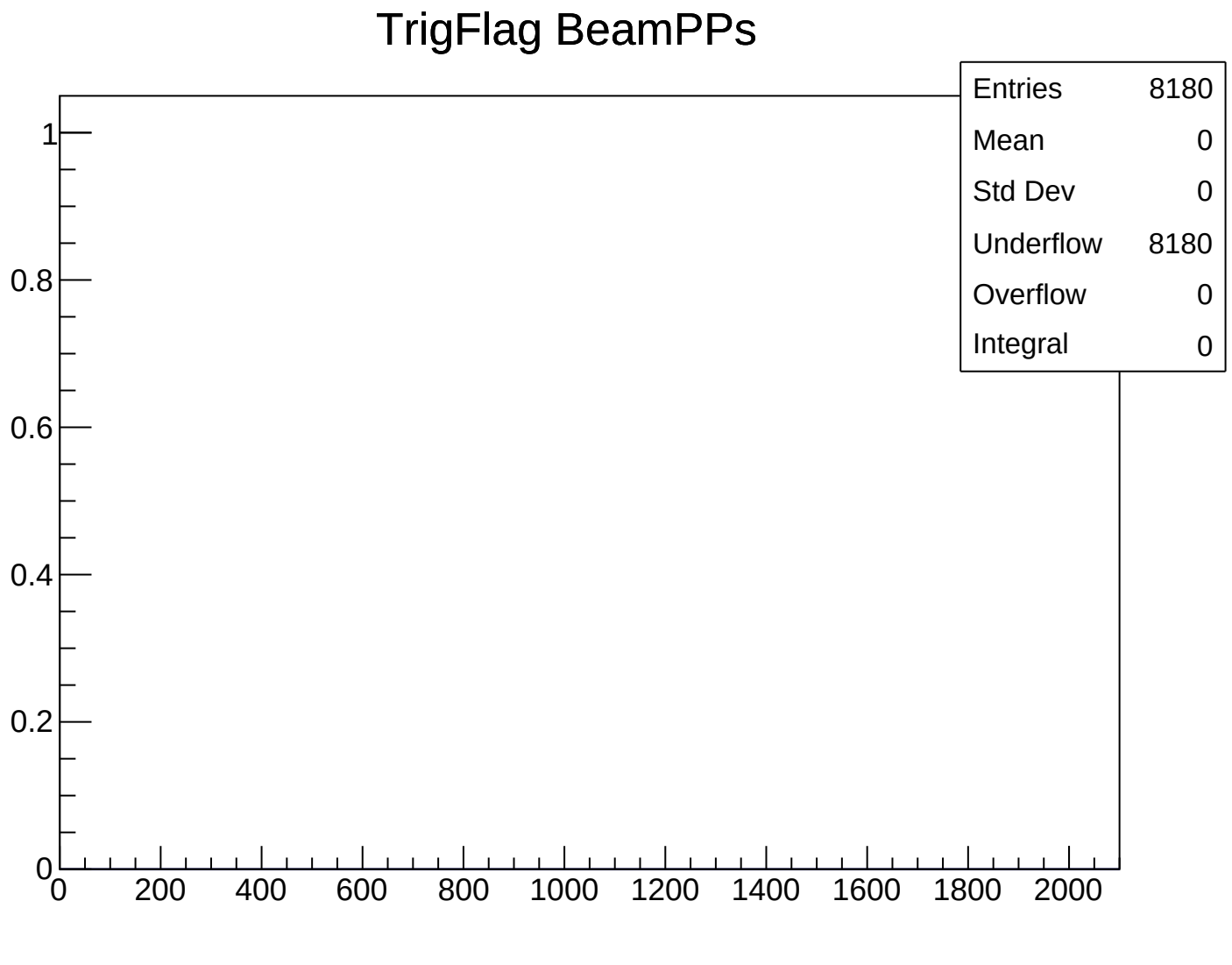

TrigFlag E03
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

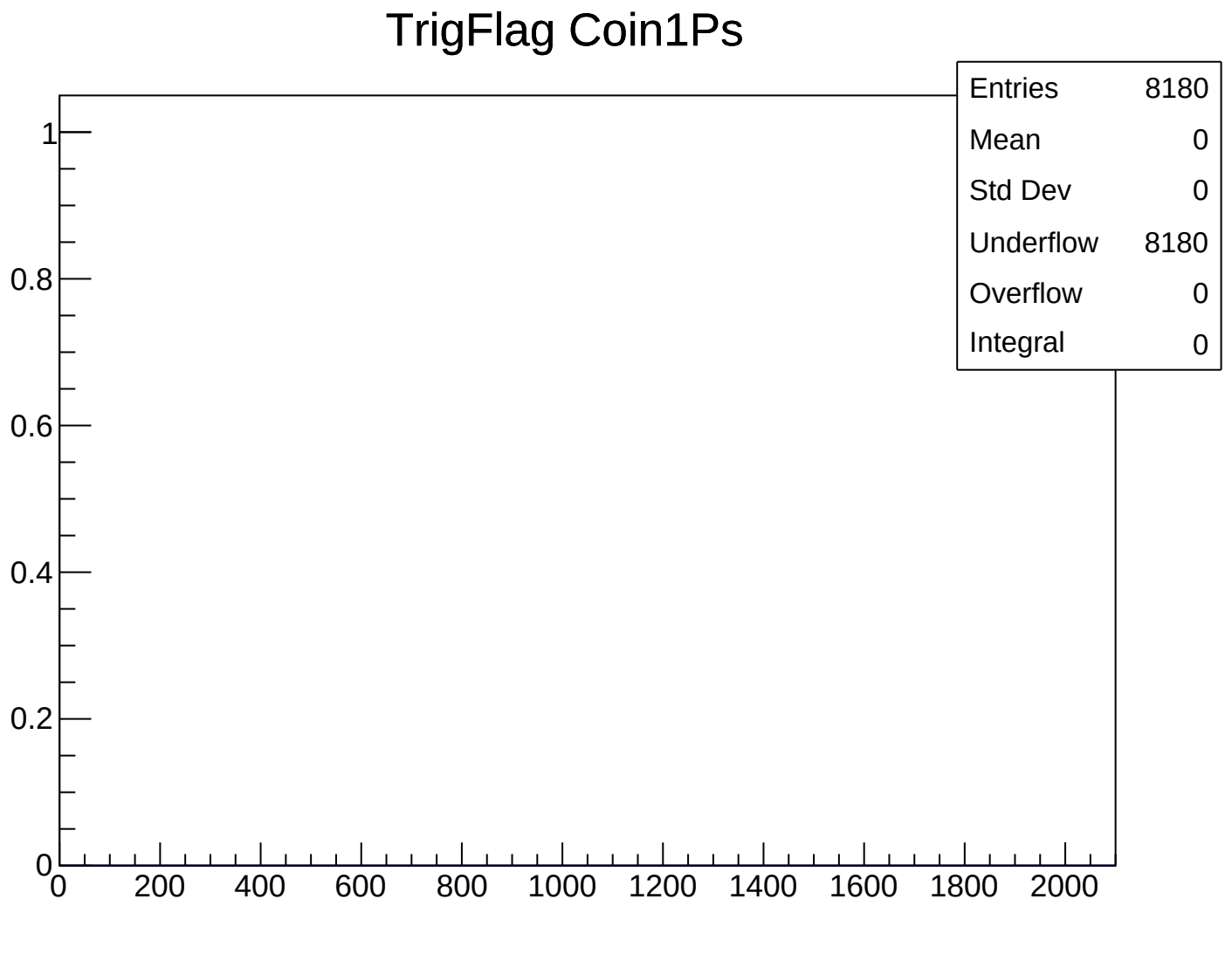

TrigFlag Bh2KPs
Entries 8180
Mean 983.4
Std Dev 182.3
Underflow 0
Overflow 0
Integral 8180
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

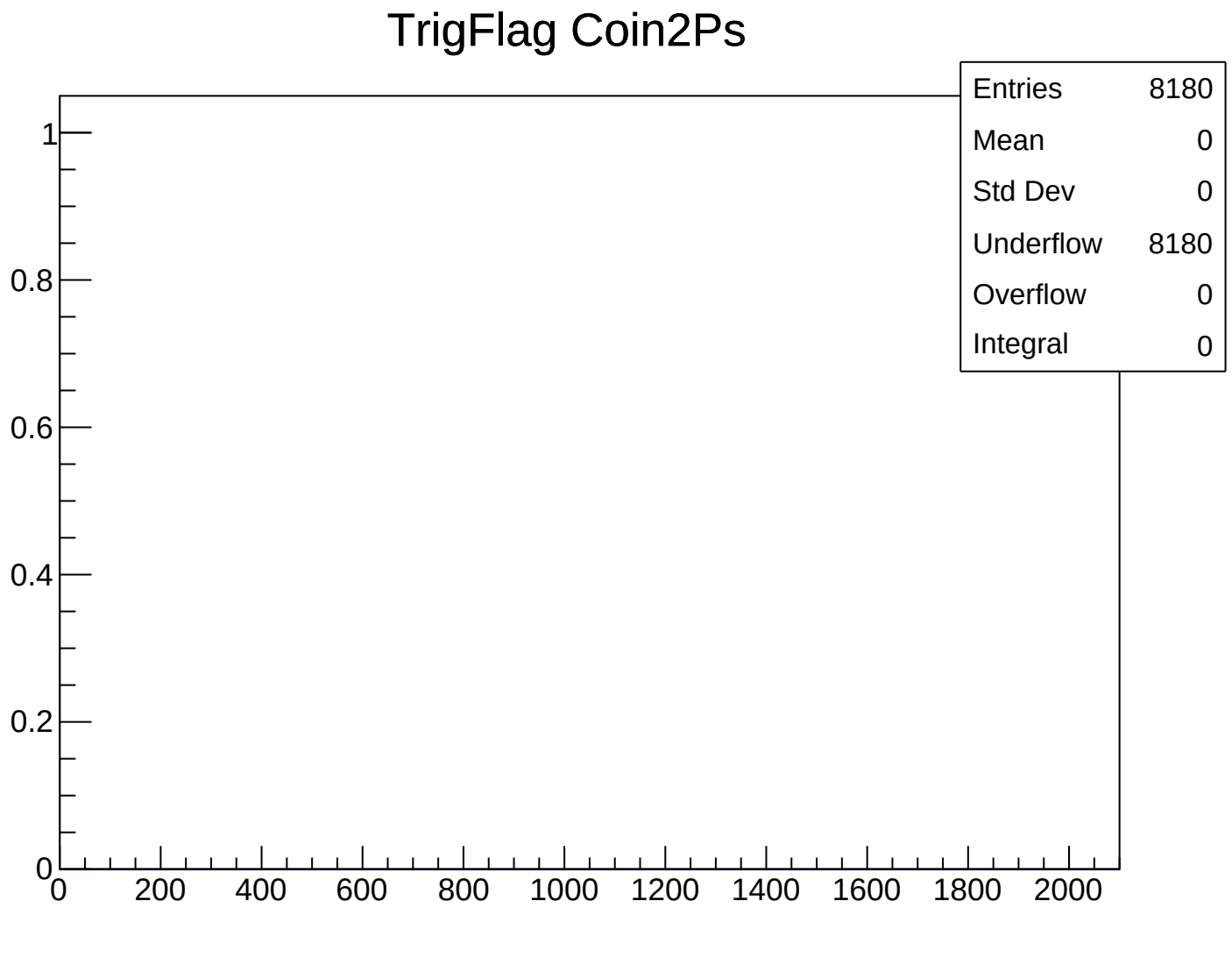

TrigFlag BeamPs
Entries 8180
Mean 841.4
Std Dev 197
Underflow 8175
Overflow 0
Integral 5
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
200
400
600
800
1000
1200
1400
1600
1800
2000

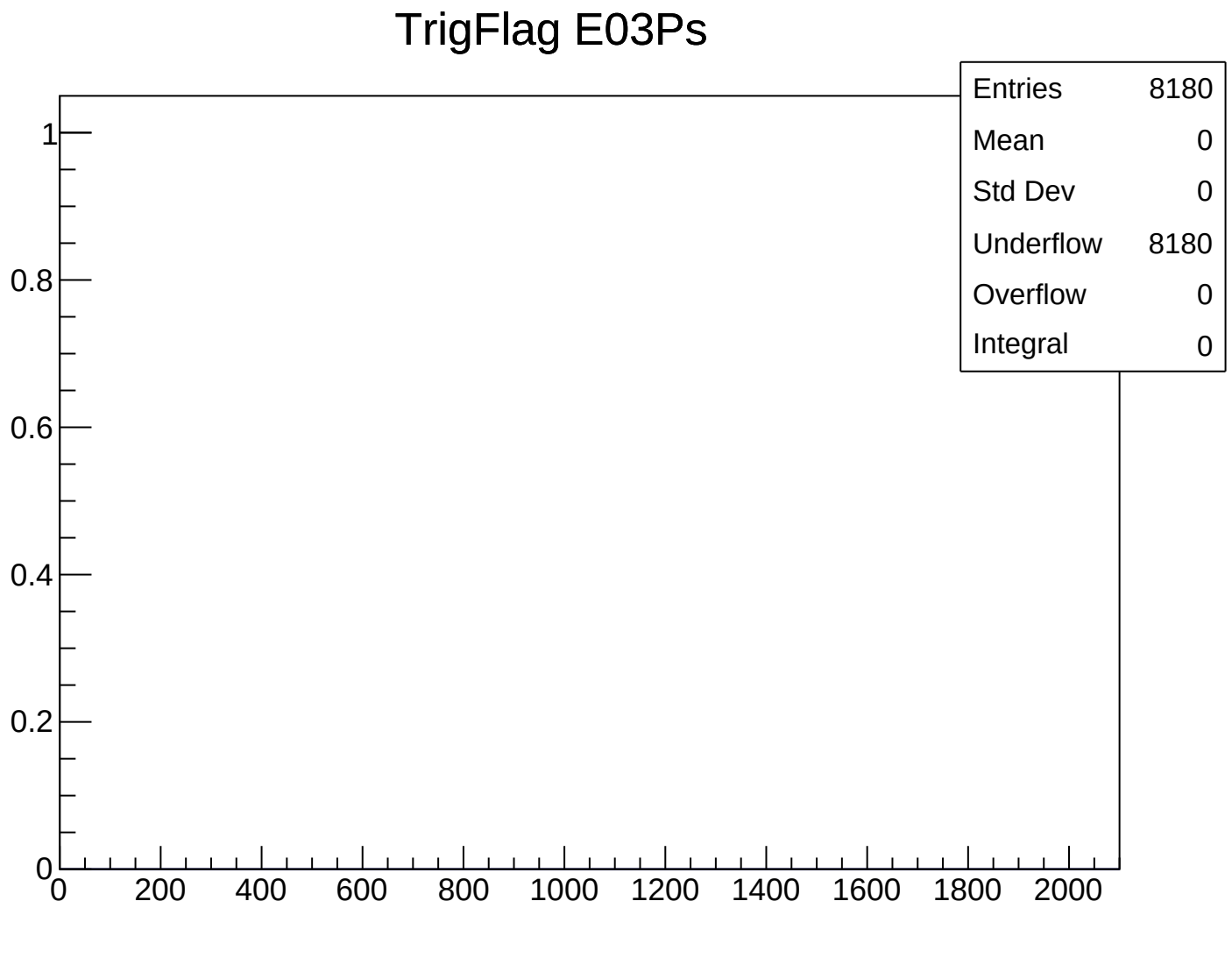

TrigFlag BeamTofPs
Entries 8180
Mean 1011
Std Dev 189.4
Underflow 8173
Overflow 0
Integral 7
3
2.5
2
1.5
1
0.5
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

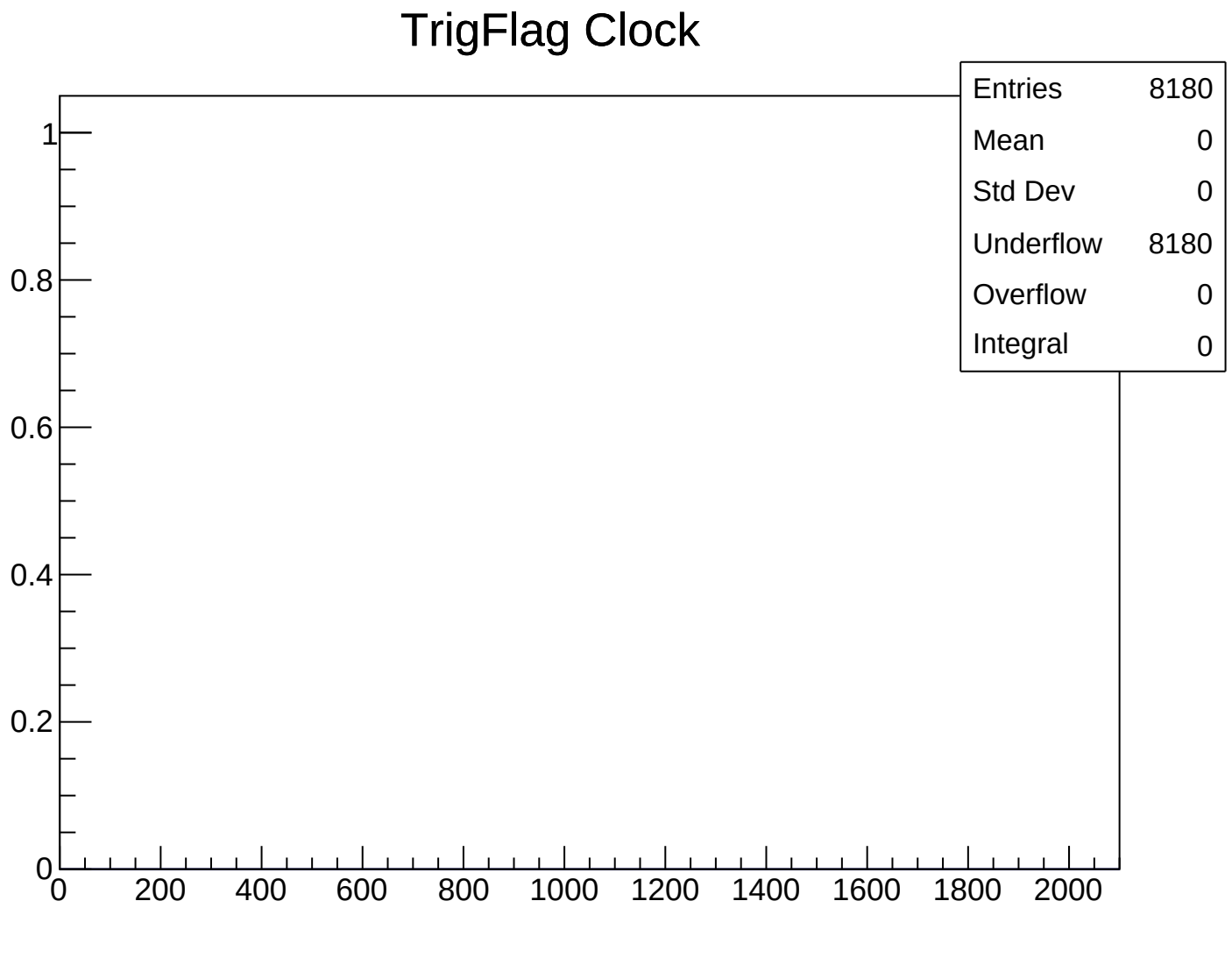

TrigFlag BeamPiPs
Entries 8180
Mean 773
Std Dev 261.6
Underflow 8177
Overflow 0
Integral 3
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
200
400
600
800
1000
1200
1400
1600
1800
2000

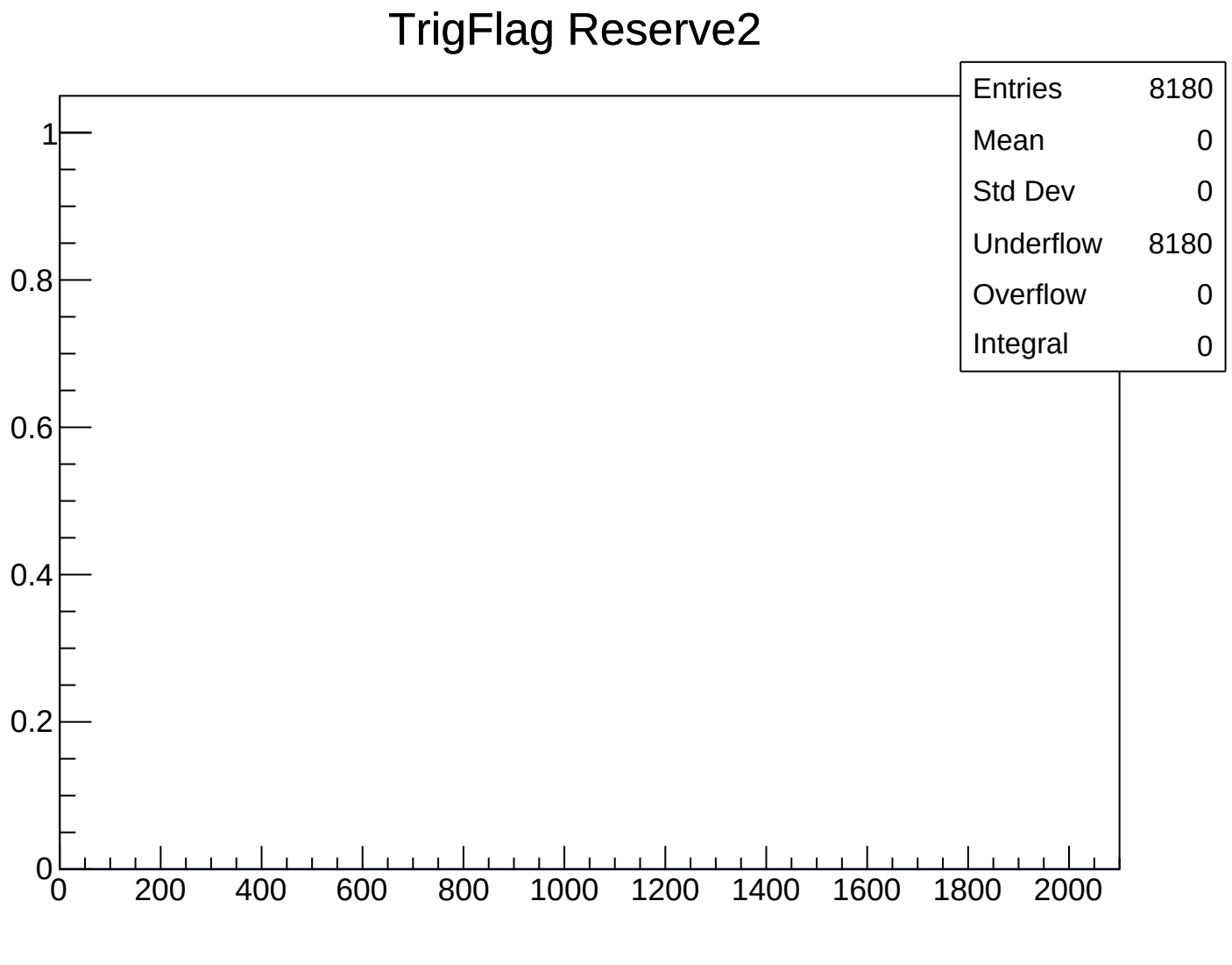

TrigFlag BeamPPs
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

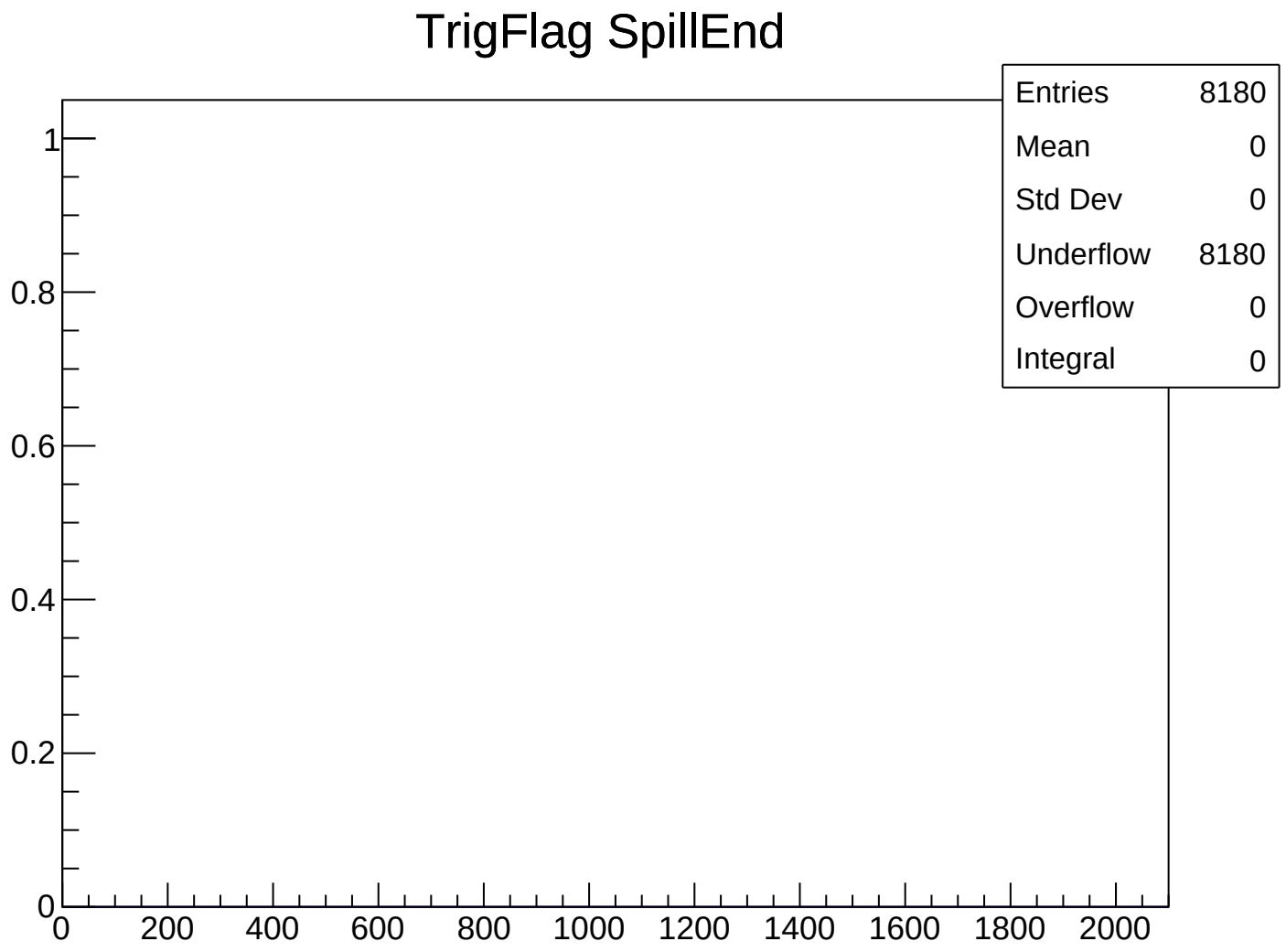

TrigFlag Coin1Ps
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

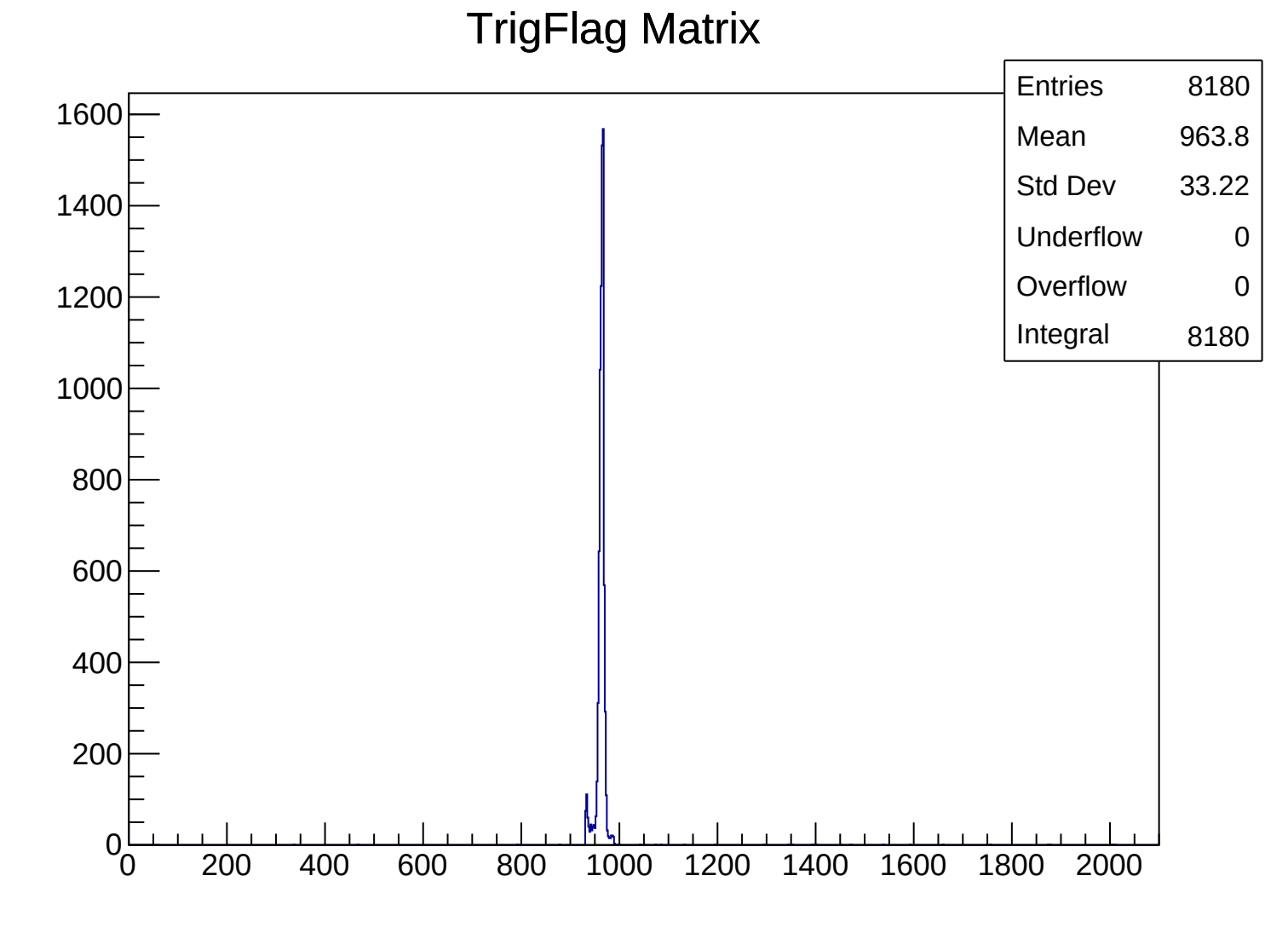

TrigFlag Coin2Ps
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

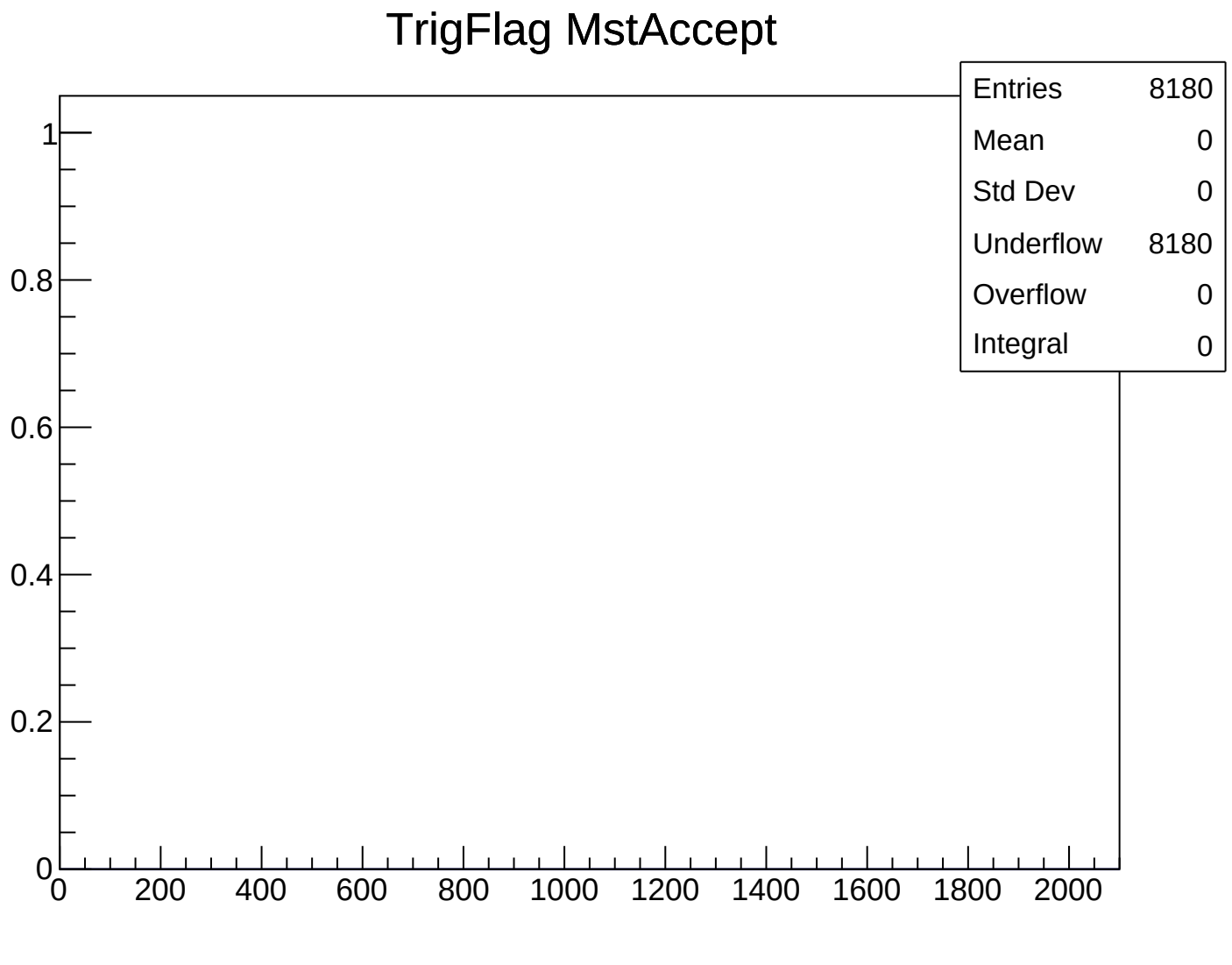

TrigFlag E03Ps
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

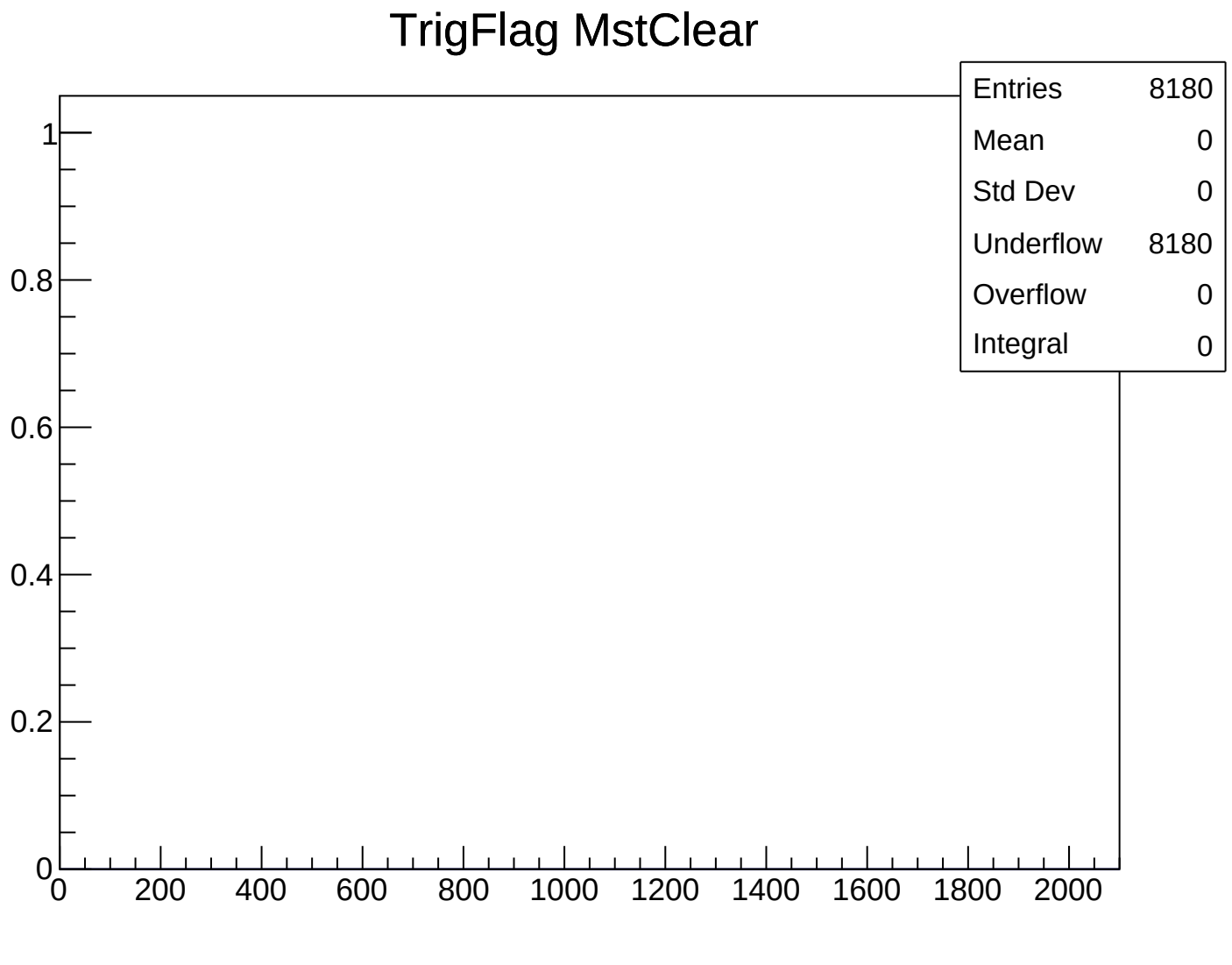

TrigFlag Clock
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

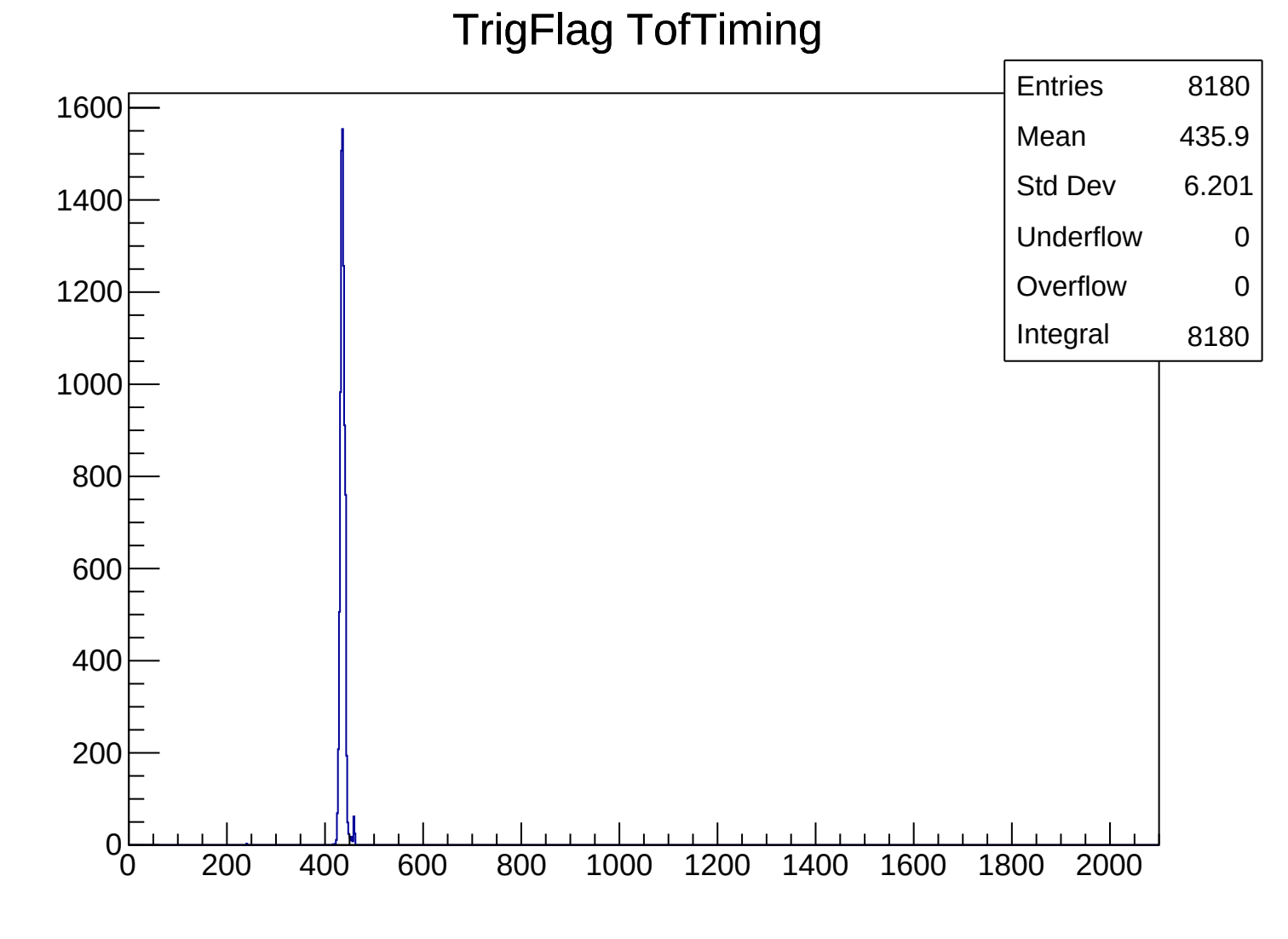

TrigFlag Reserve2
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

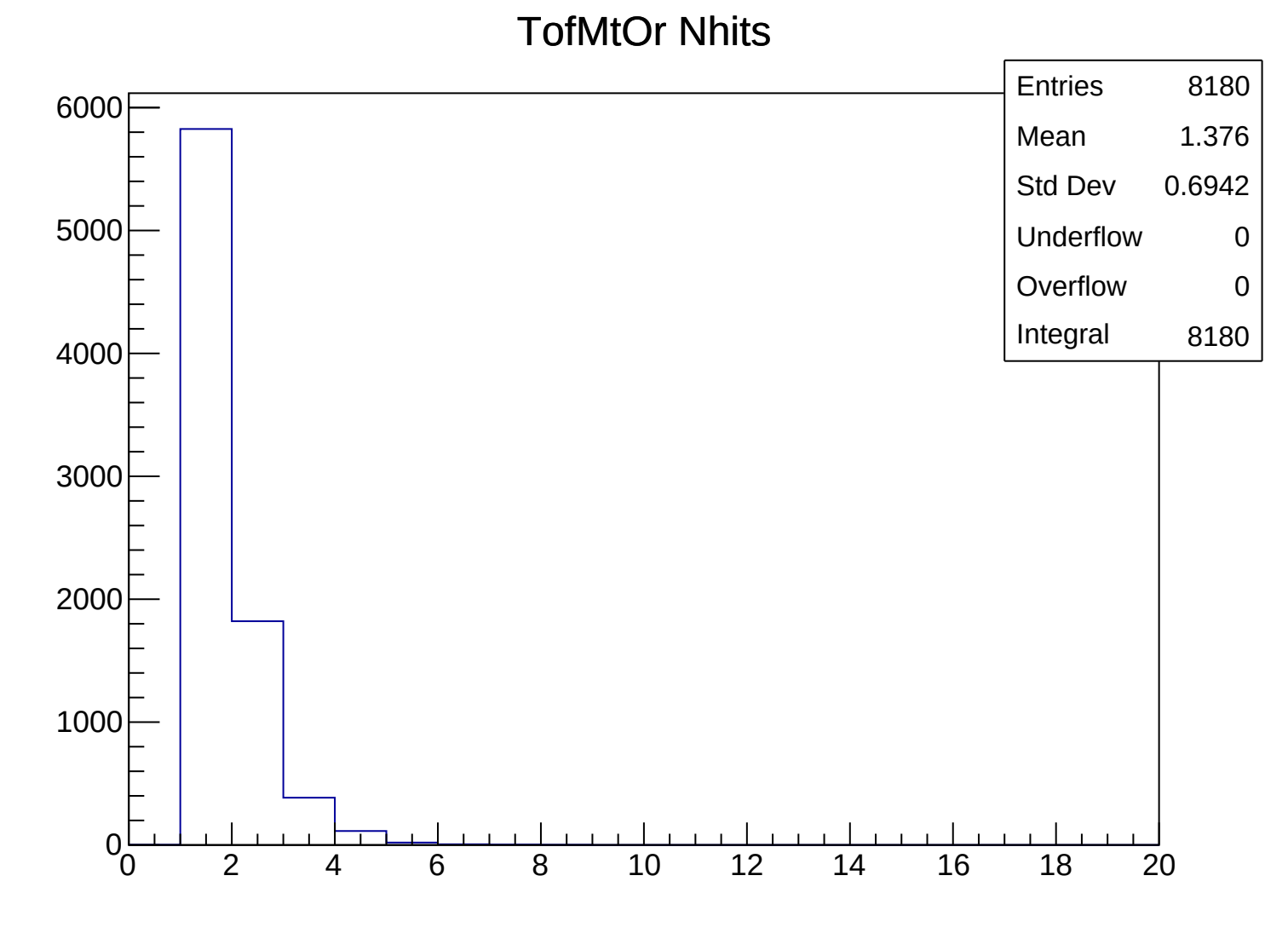

TrigFlag SpillEnd
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

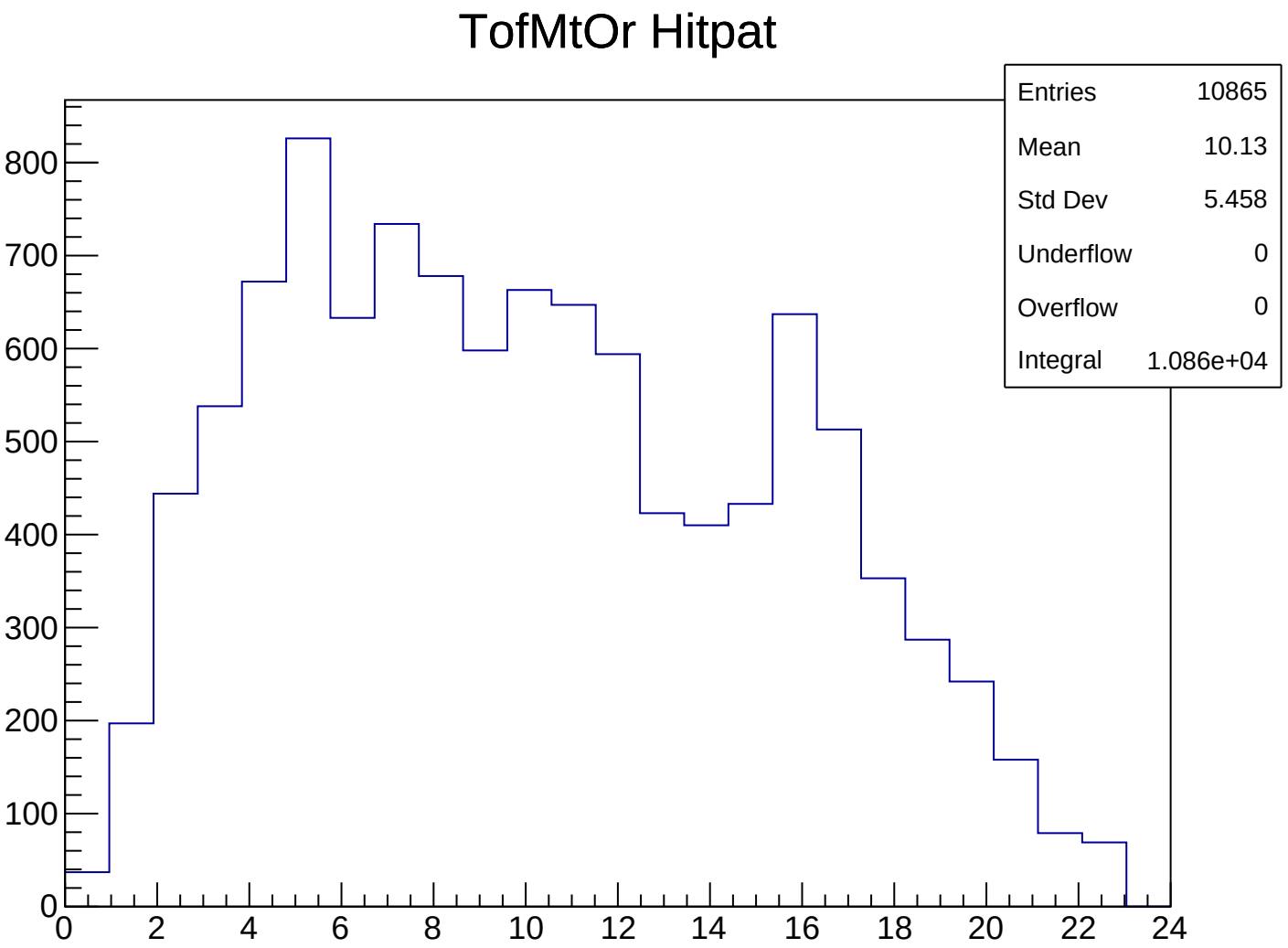

TrigFlag Matrix
Entries 8180
Mean 963.8
Std Dev 33.22
Underflow 0
Overflow 0
Integral 8180
1600
1400
1200
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

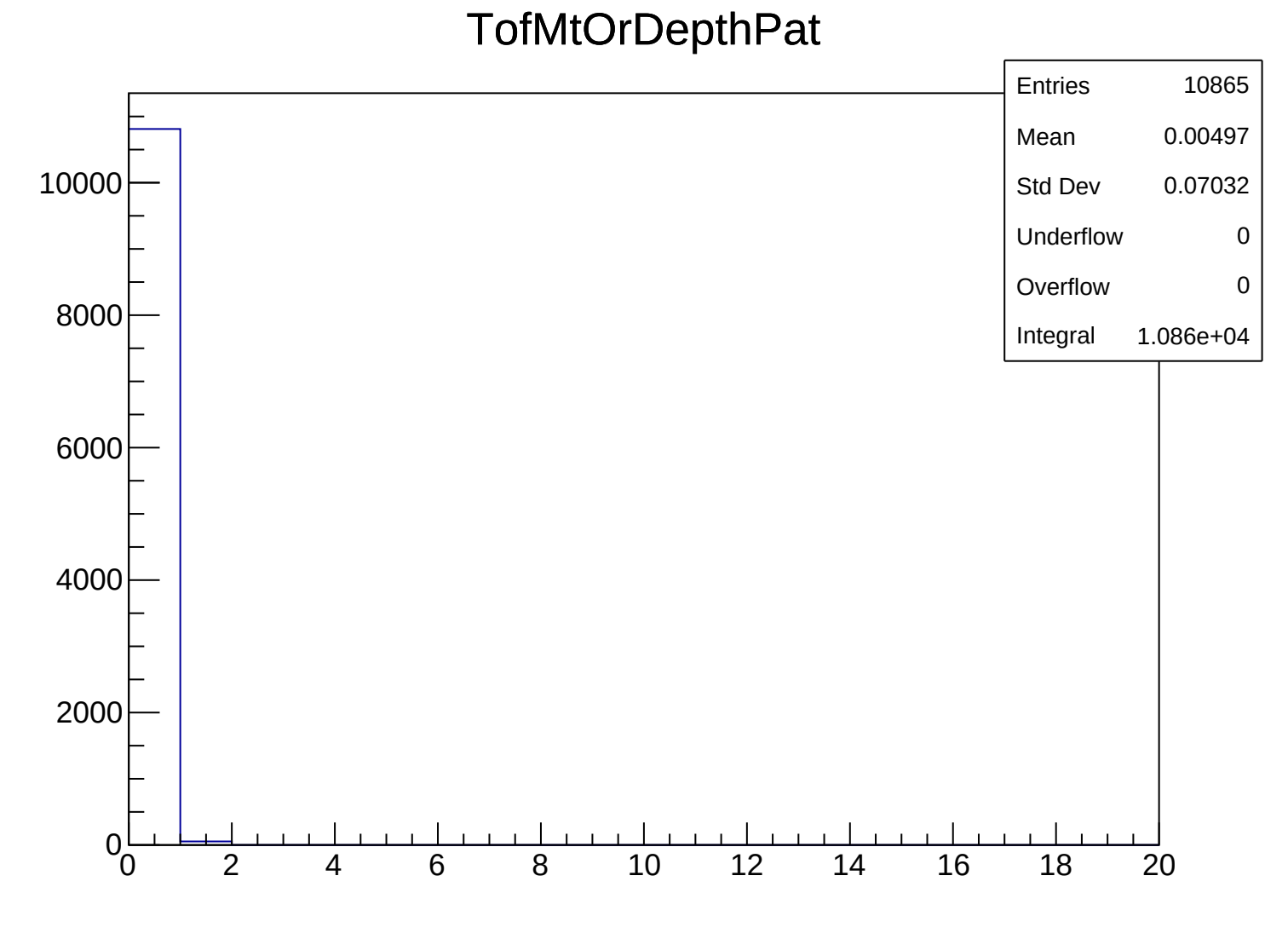

TrigFlag MstAccept
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

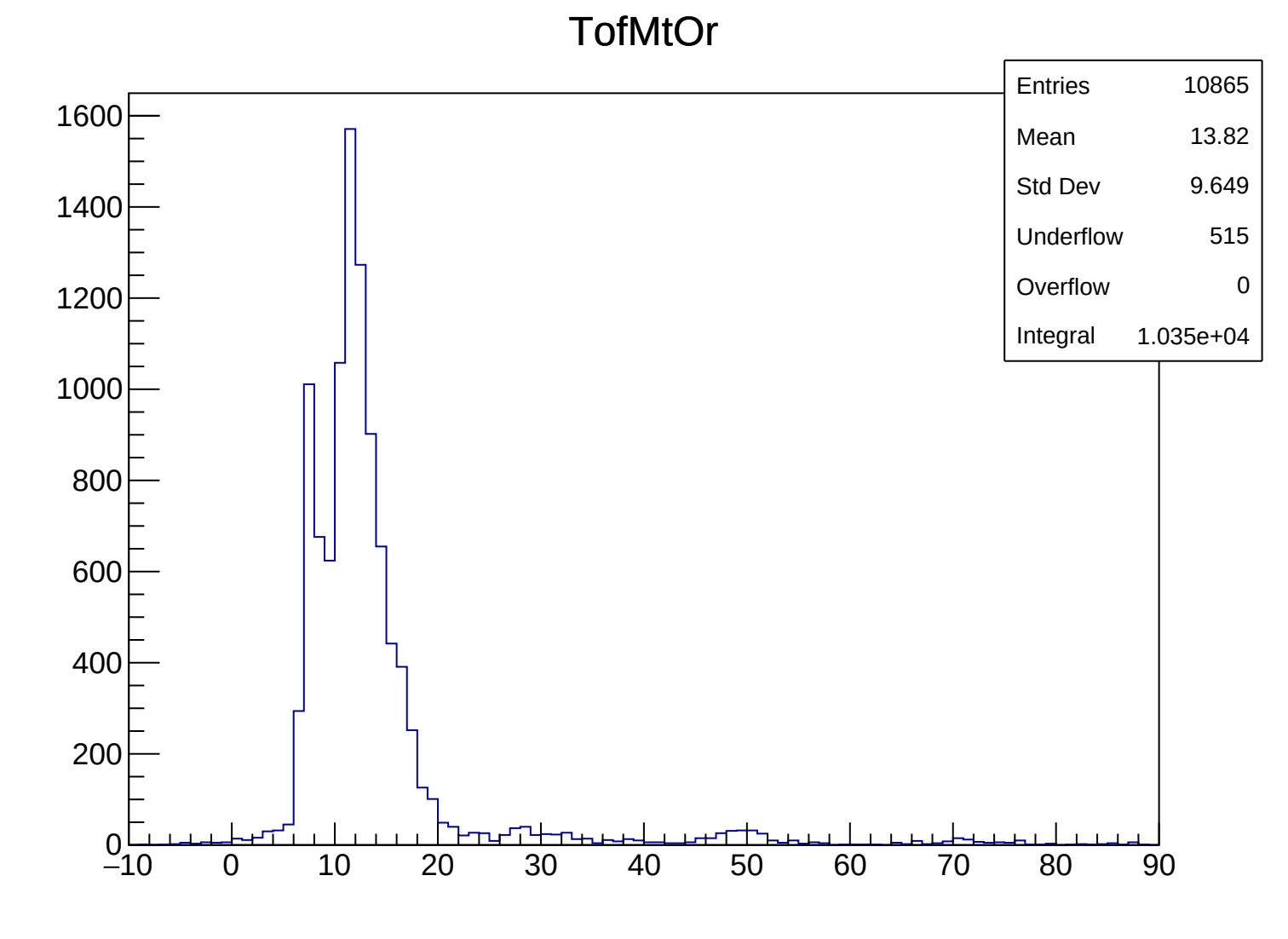

TrigFlag MstClear
Entries 8180
Mean 0
Std Dev 0
Underflow 8180
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

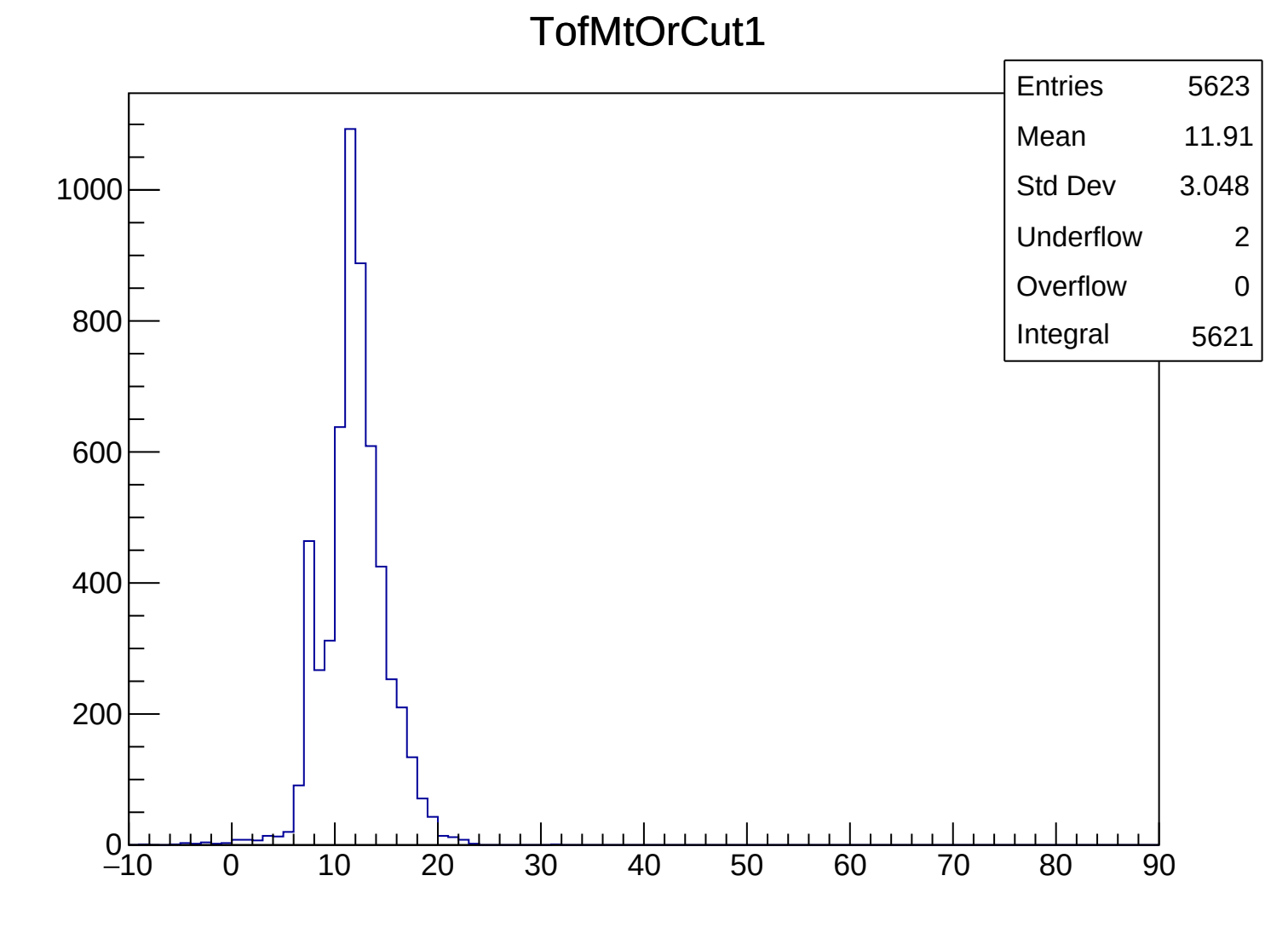

TrigFlag TofTiming
Entries 8180
Mean 435.9
Std Dev 6.201
Underflow 0
Overflow 0
Integral 8180
1600
1400
1200
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

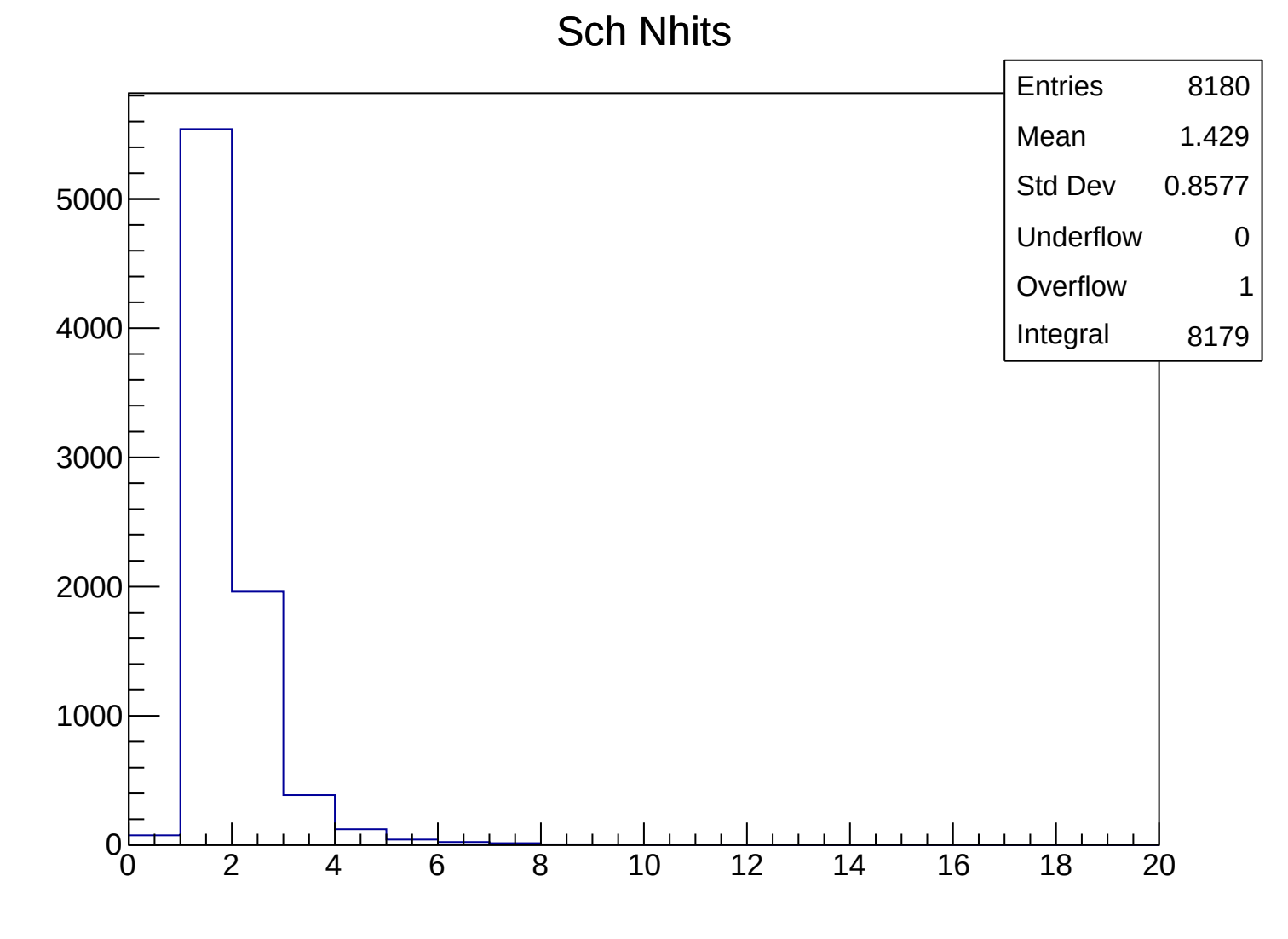

TofMtOr Nhits
Entries 8180
Mean 1.376
Std Dev 0.6942
Underflow 0
Overflow 0
Integral 8180
6000
5000
4000
3000
2000
1000
0
0
2
4
6
8
10
12
14
16
18
20

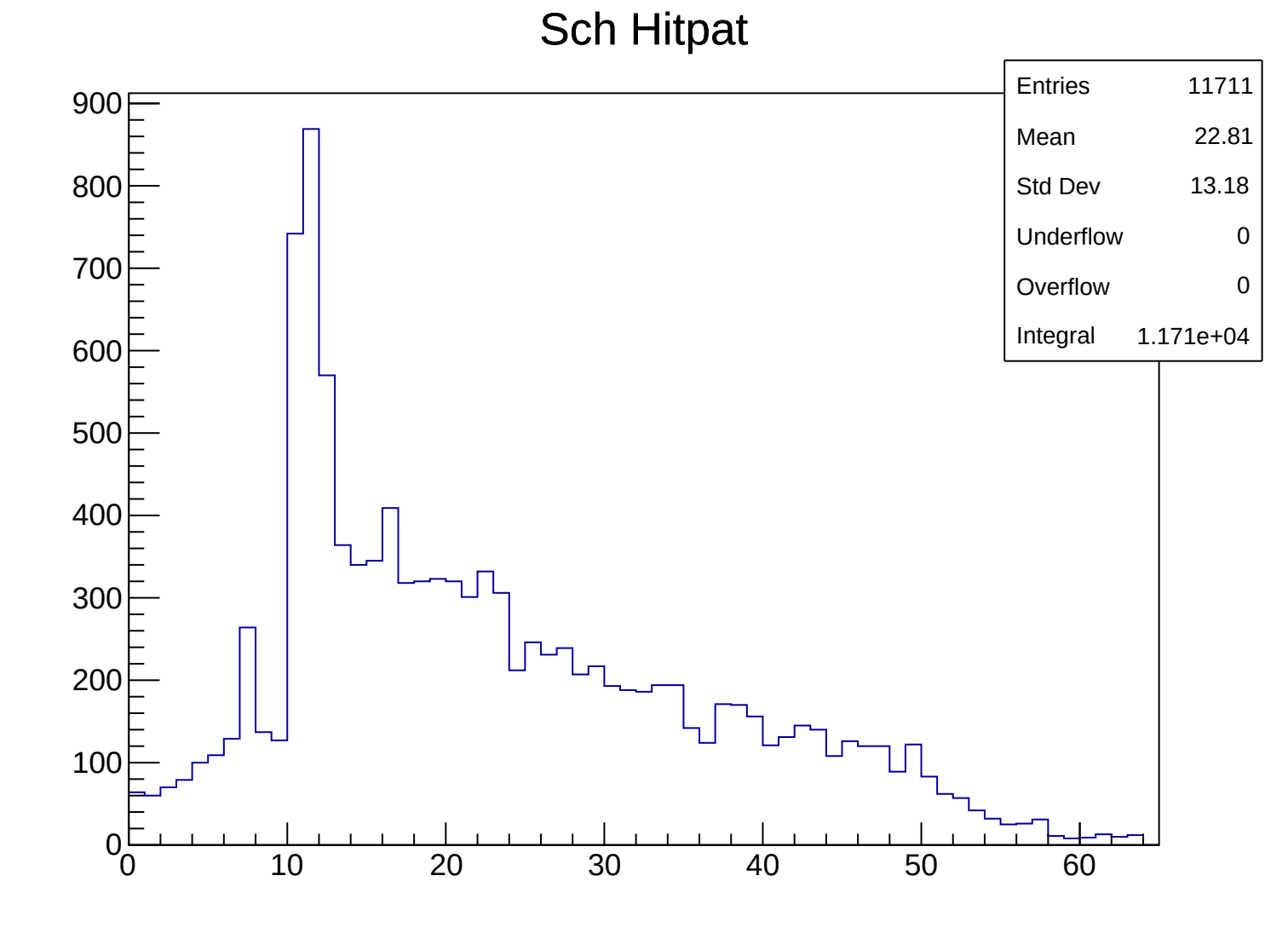

TofMtOr Hitpat
Entries 10865
Mean 10.13
Std Dev 5.458
Underflow 0
Overflow 0
Integral 1.086e+04
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
12
14
16
18
20
22
24

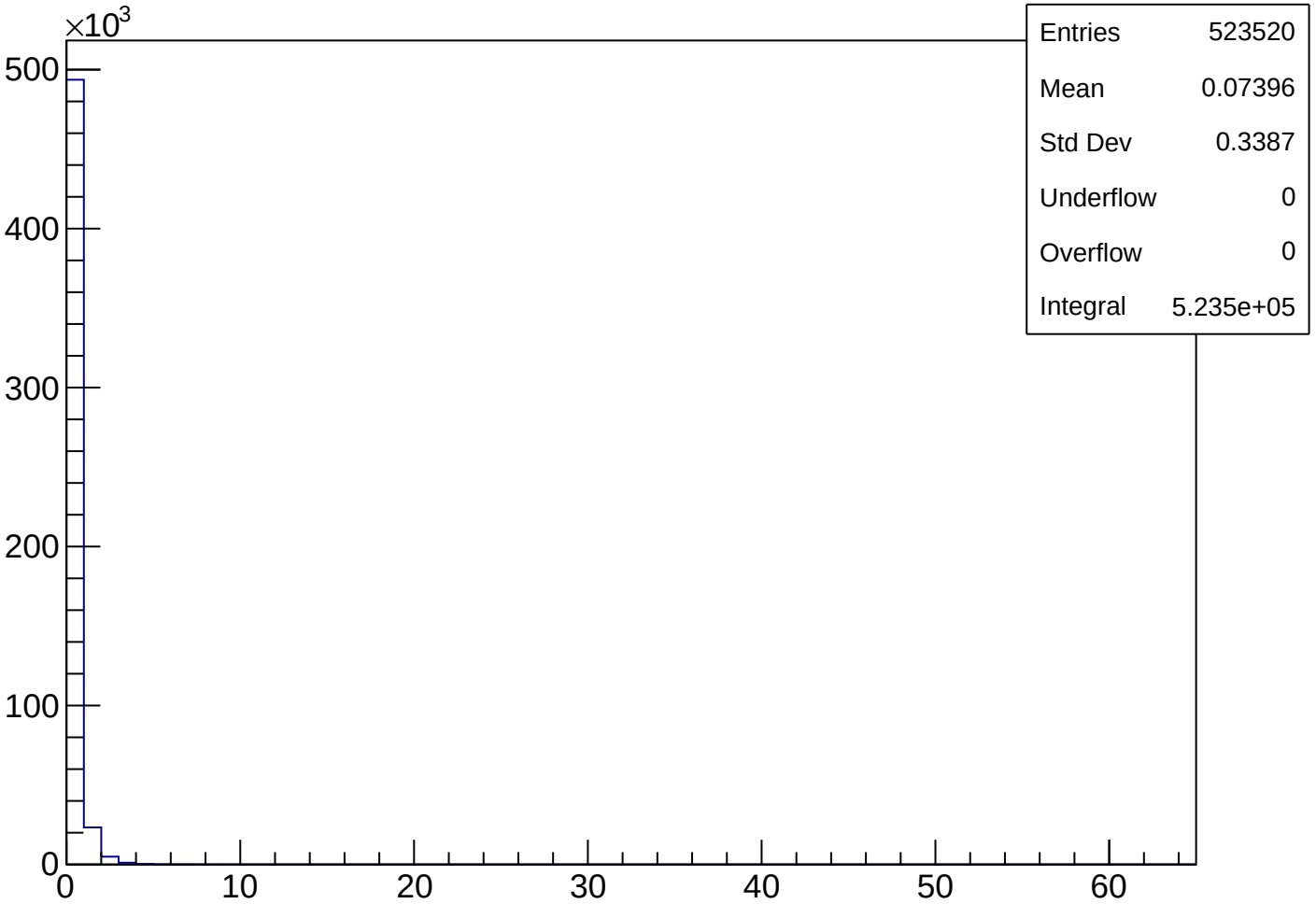

TofMtOrDepthPat
Entries 10865
Mean 0.00497
Std Dev 0.07032
Underflow 0
Overflow 0
Integral 1.086e+04
10000
8000
6000
4000
2000
0
0
2
4
6
8
10
12
14
16
18
20

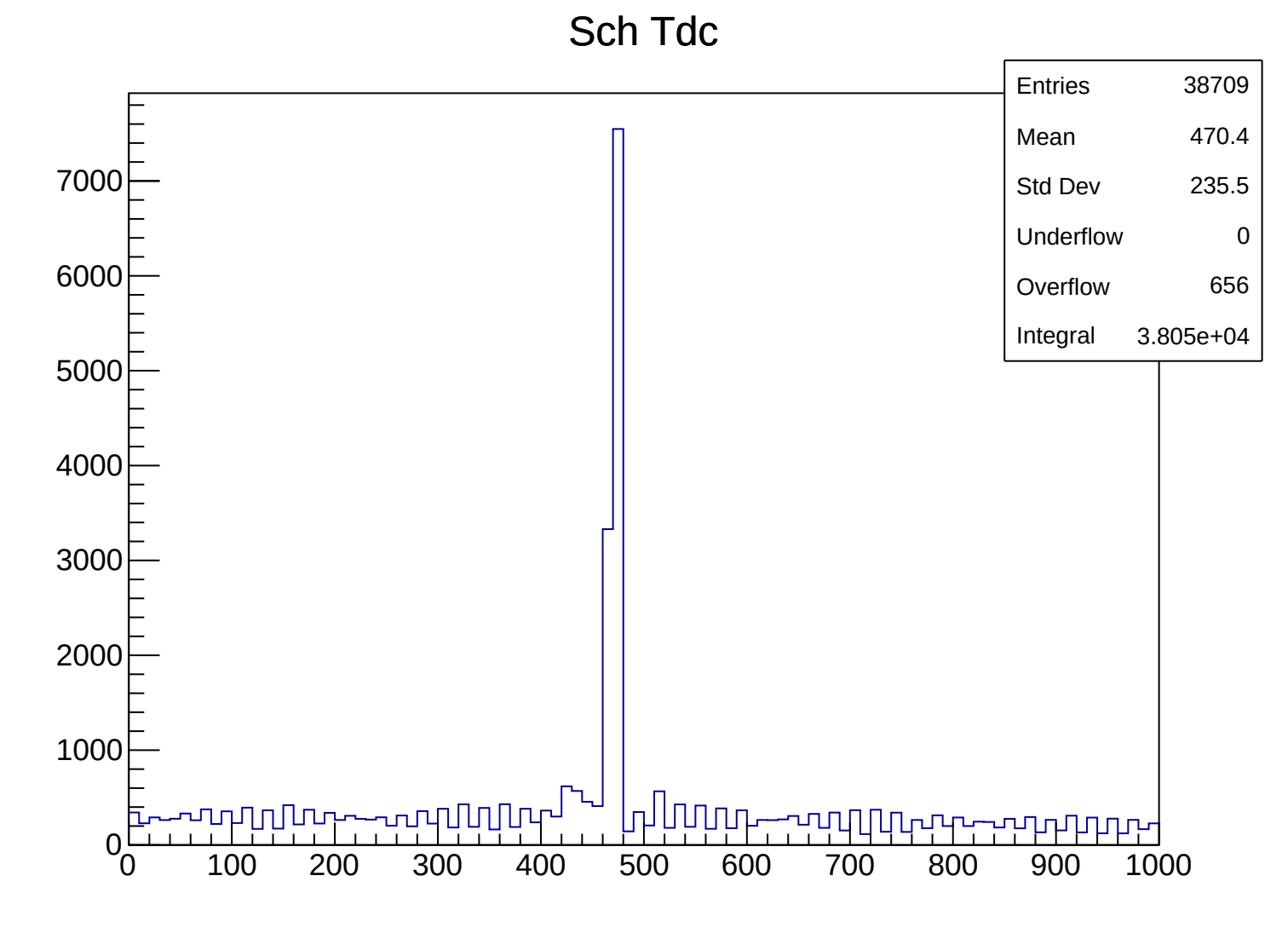

TofMtOr
Entries 10865
Mean 13.82
Std Dev 9.649
Underflow 515
Overflow 0
Integral 1.035e+04
1600
1400
1200
1000
800
600
400
200
0
−10
0
10
20
30
40
50
60
70
80
90

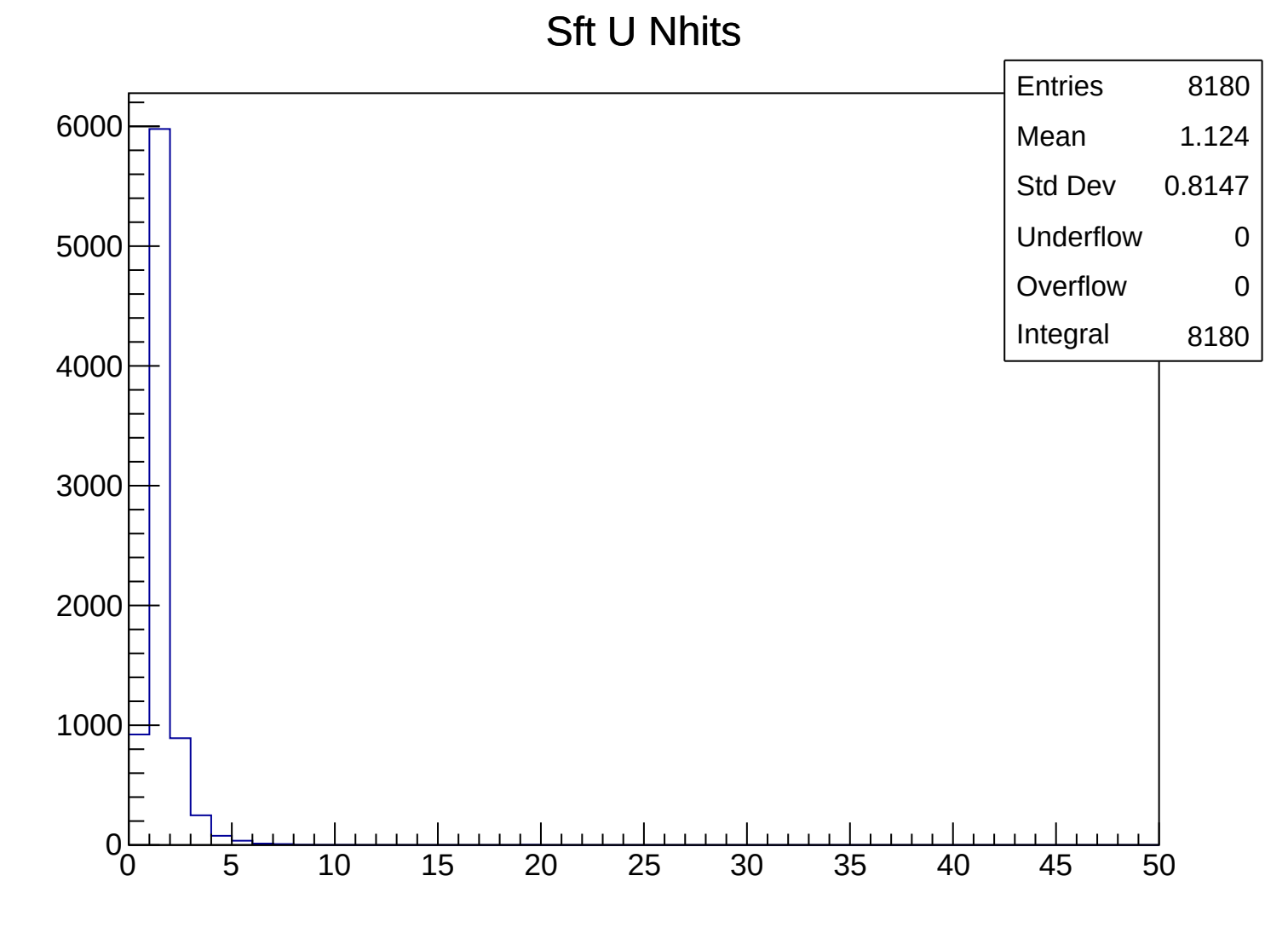

TofMtOrCut1
Entries 5623
Mean 11.91
Std Dev 3.048
Underflow 2
Overflow 0
Integral 5621
1000
800
600
400
200
0
−10
0
10
20
30
40
50
60
70
80
90

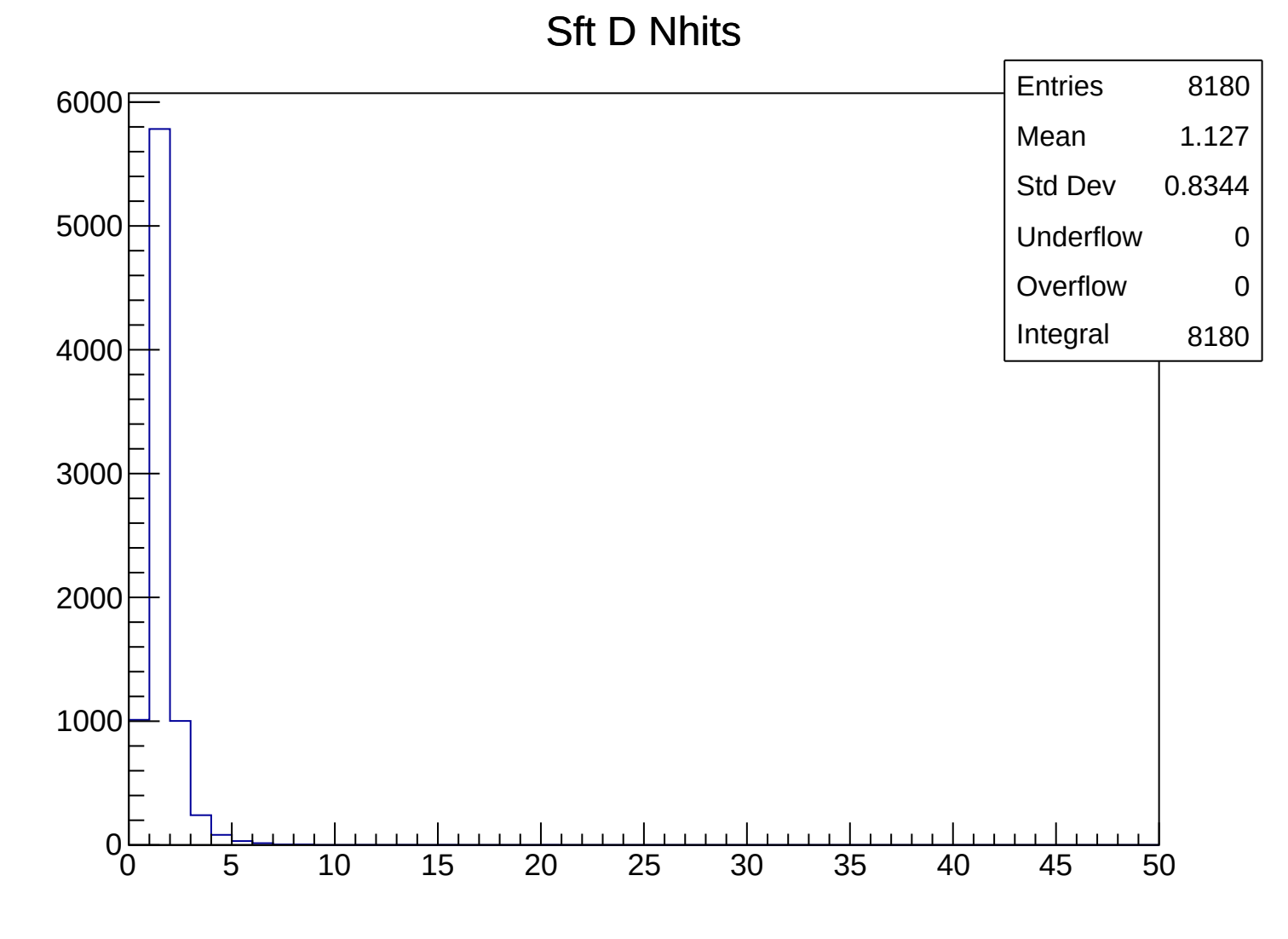

Sch Nhits
Entries 8180
Mean 1.429
Std Dev 0.8577
Underflow 0
Overflow 1
Integral 8179
5000
4000
3000
2000
1000
0
0
2
4
6
8
10
12
14
16
18
20

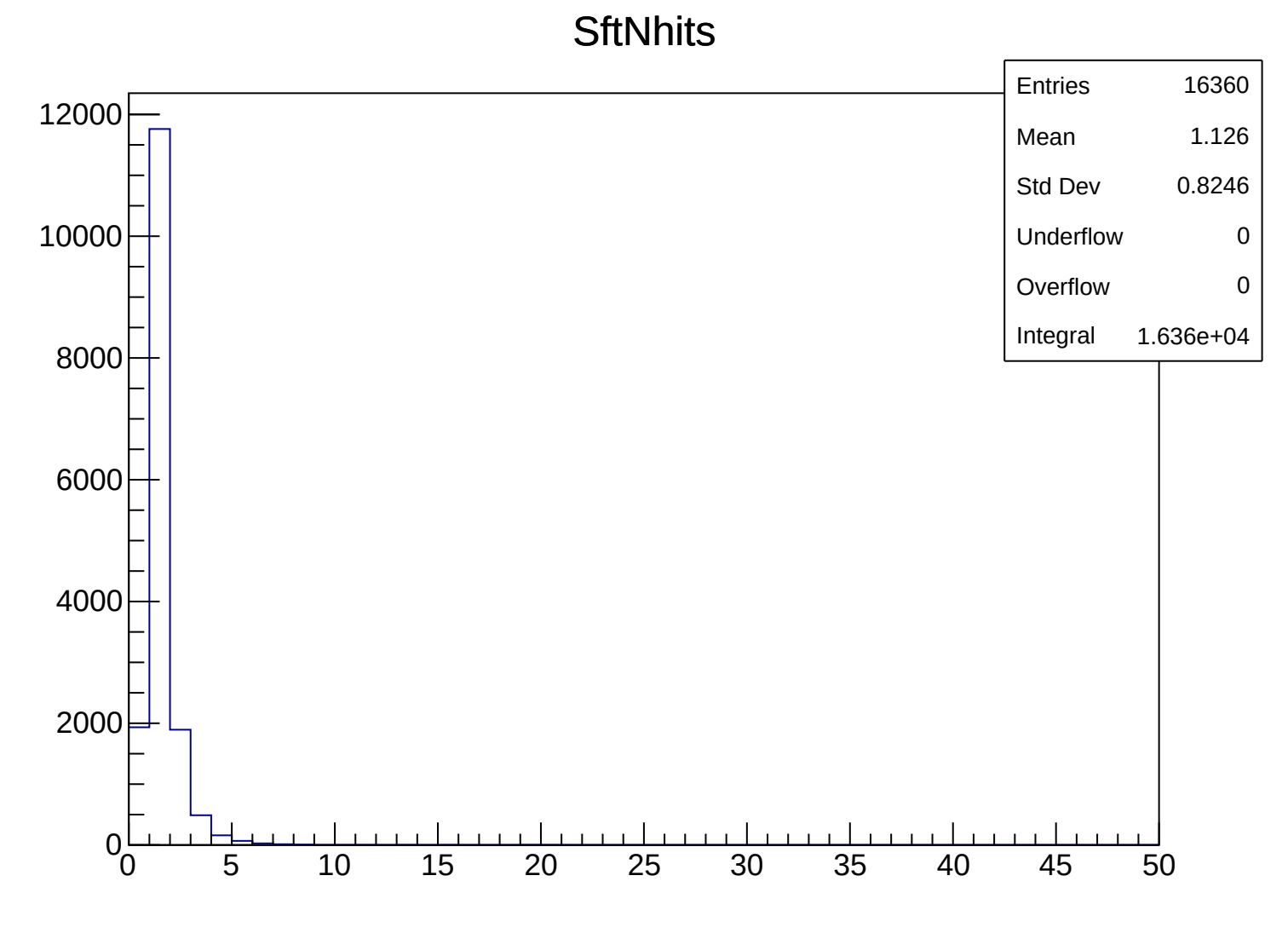

Sch Hitpat
Entries 11711
Mean 22.81
Std Dev 13.18
Underflow 0
Overflow 0
Integral 1.171e+04
900
800
700
600
500
400
300
200
100
0
0
10
20
30
40
50
60

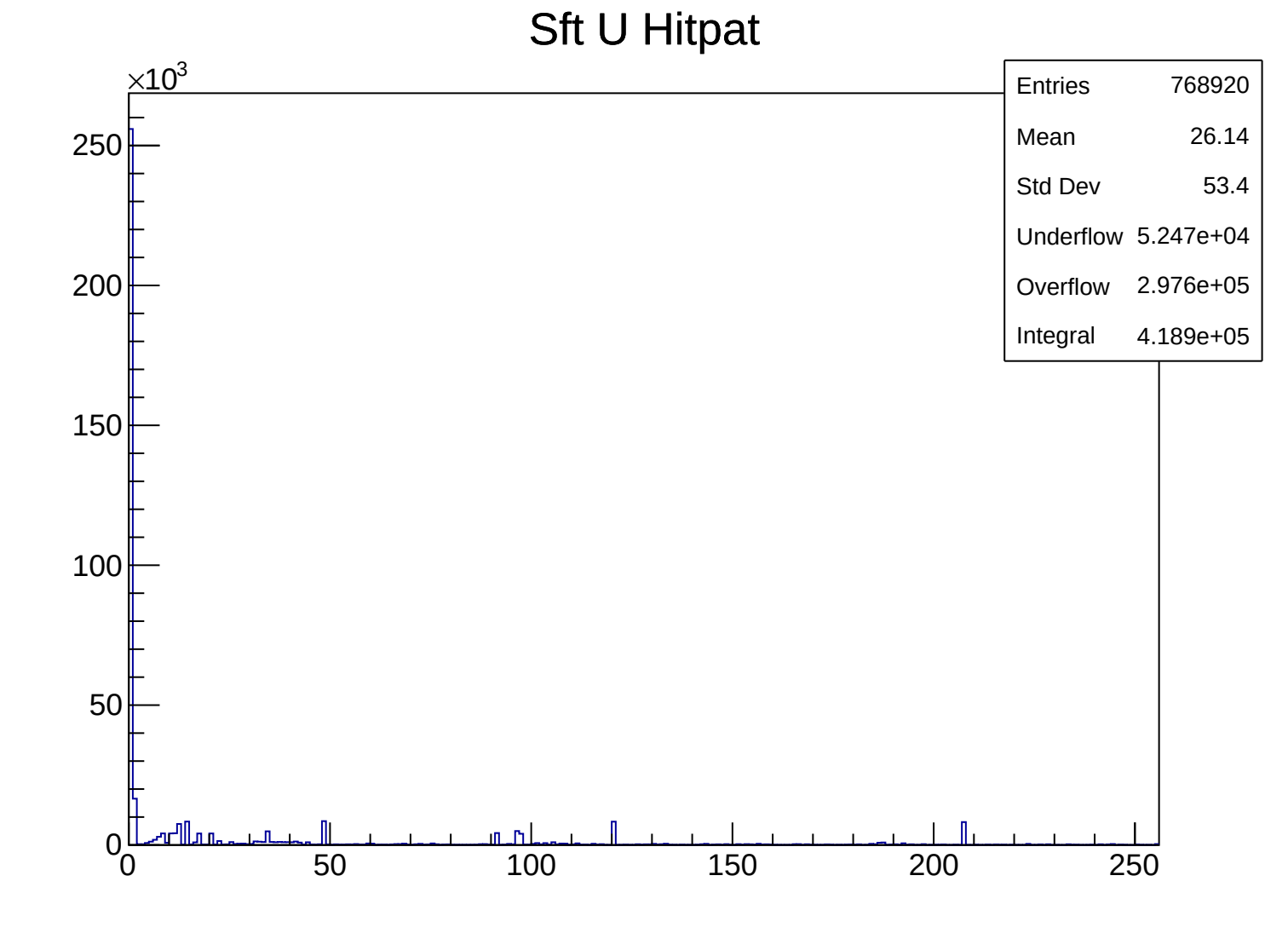

Sch Depthpat
×10^3
500
400
300
200
100
0
0
10
20
30
40
50
60
Entries 523520
Mean 0.07396
Std Dev 0.3387
Underflow 0
Overflow 0
Integral 5.235e+05

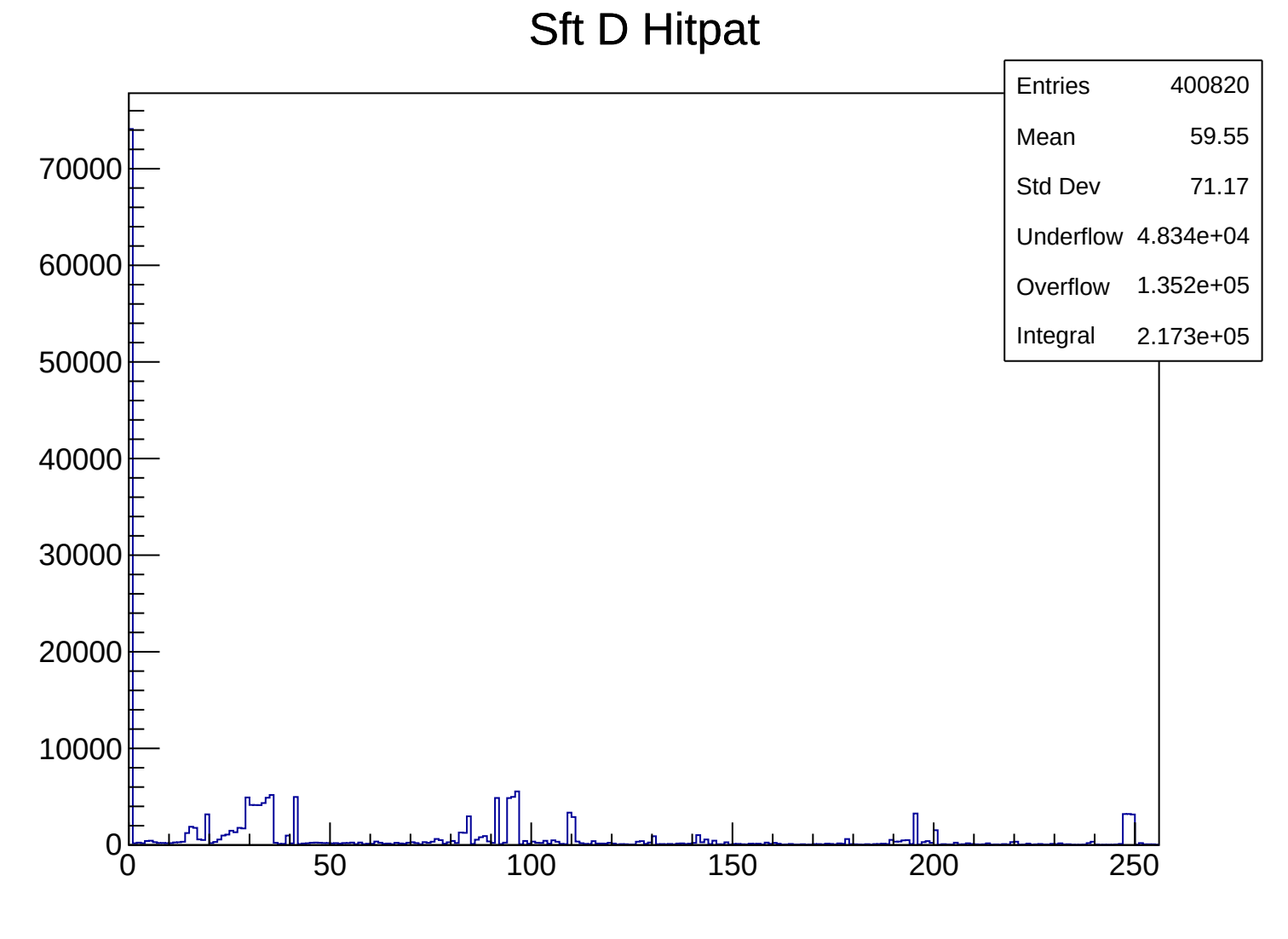

Sch Tdc
Entries 38709
Mean 470.4
Std Dev 235.5
Underflow 0
Overflow 656
Integral 3.805e+04
7000
6000
5000
4000
3000
2000
1000
0
0
100
200
300
400
500
600
700
800
900
1000

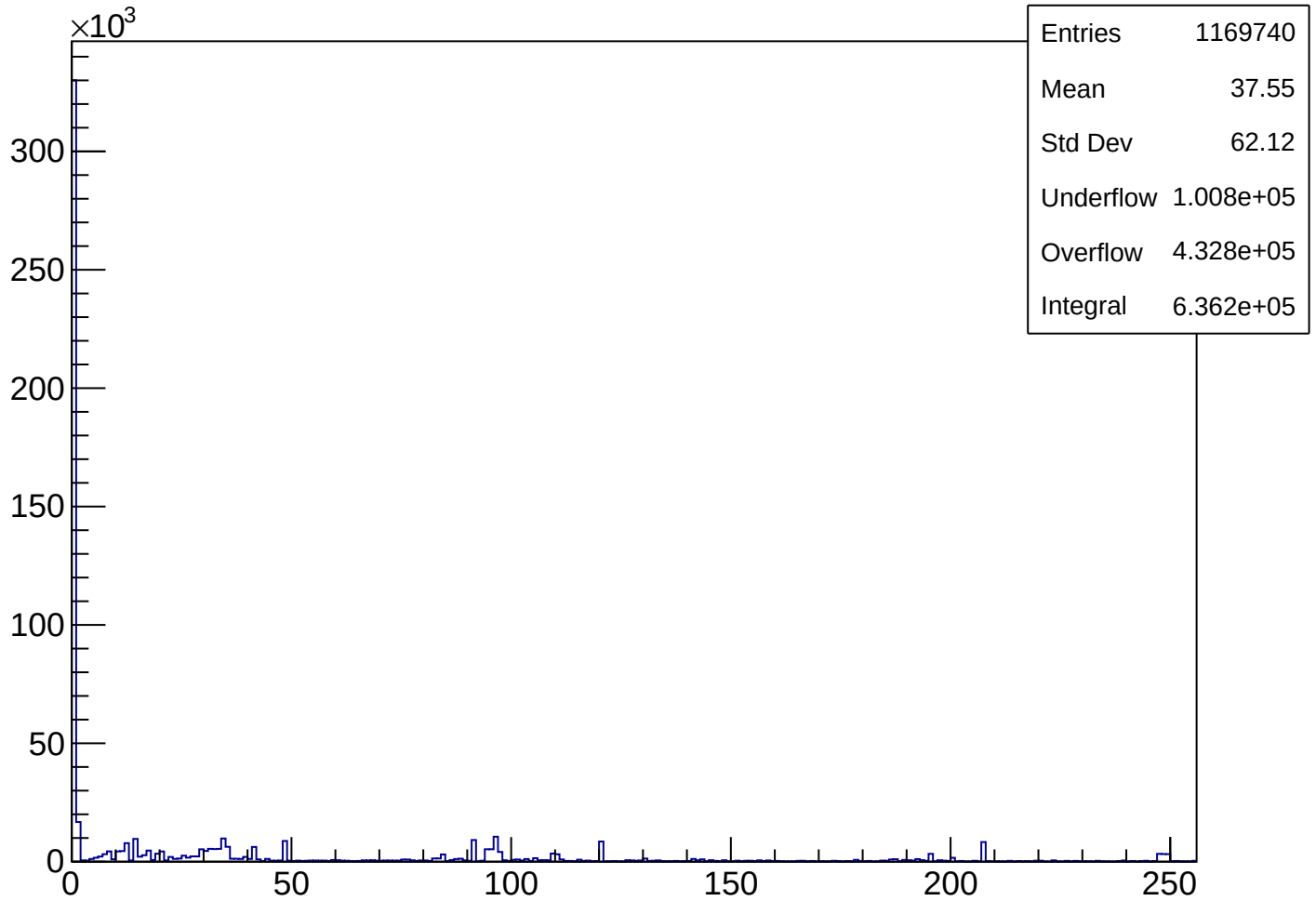

Sft U Nhits
Entries 8180
Mean 1.124
Std Dev 0.8147
Underflow 0
Overflow 0
Integral 8180
6000
5000
4000
3000
2000
1000
0
0
5
10
15
20
25
30
35
40
45
50

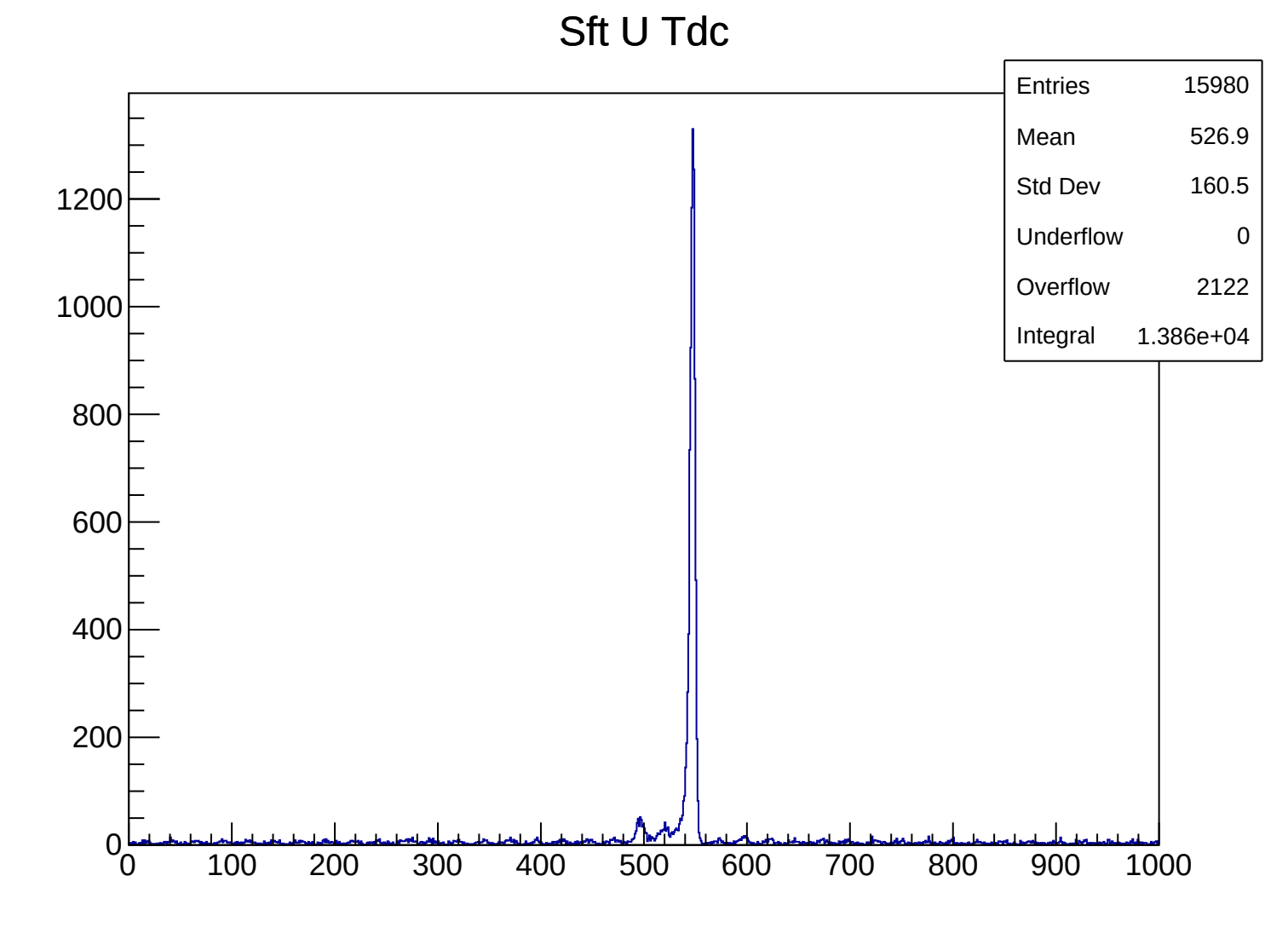

Sft D Nhits
Entries 8180
Mean 1.127
Std Dev 0.8344
Underflow 0
Overflow 0
Integral 8180
6000
5000
4000
3000
2000
1000
0
0
5
10
15
20
25
30
35
40
45
50

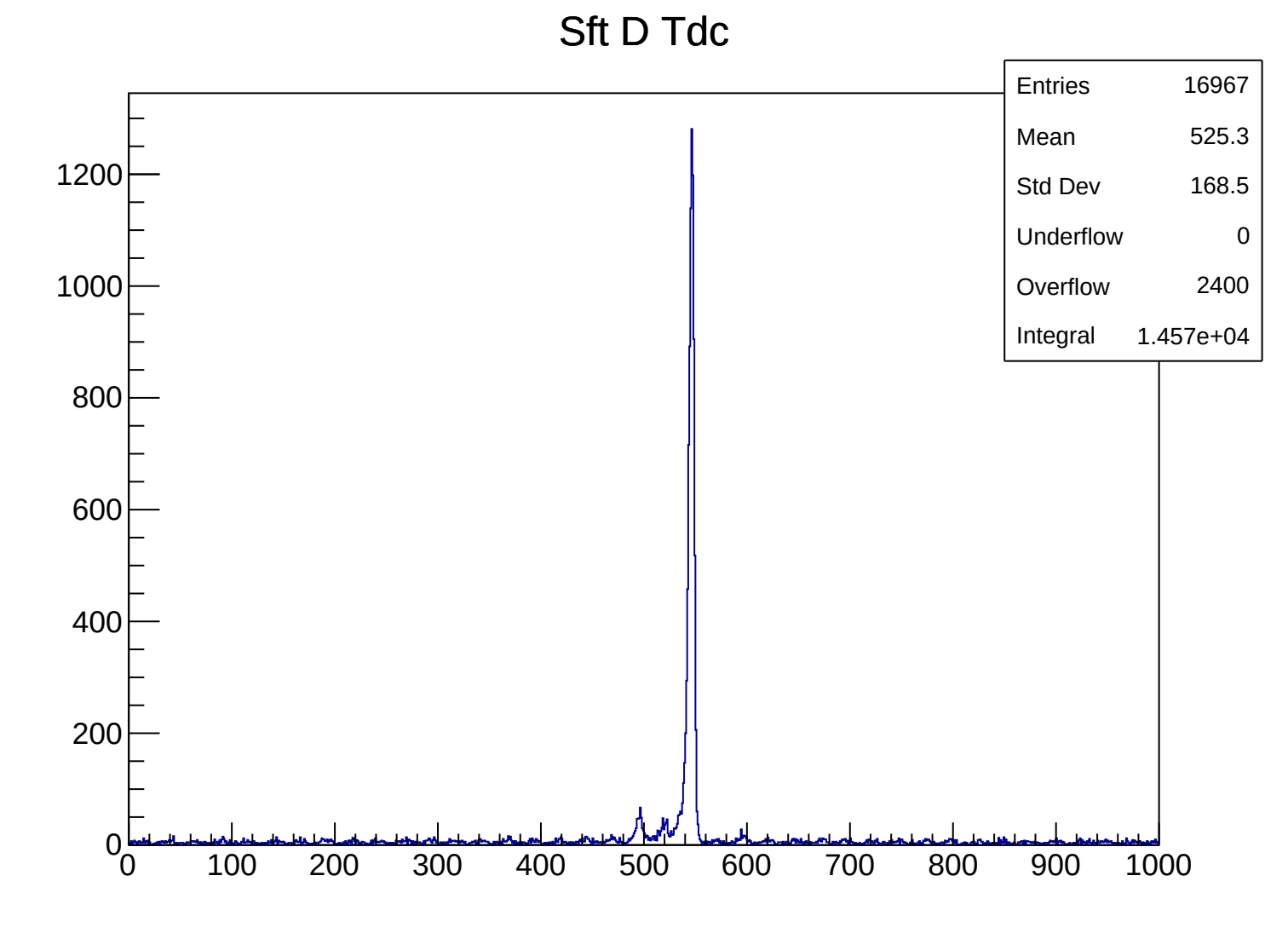

SftNhits
Entries 16360
Mean 1.126
Std Dev 0.8246
Underflow 0
Overflow 0
Integral 1.636e+04
12000
10000
8000
6000
4000
2000
0
0
5
10
15
20
25
30
35
40
45
50

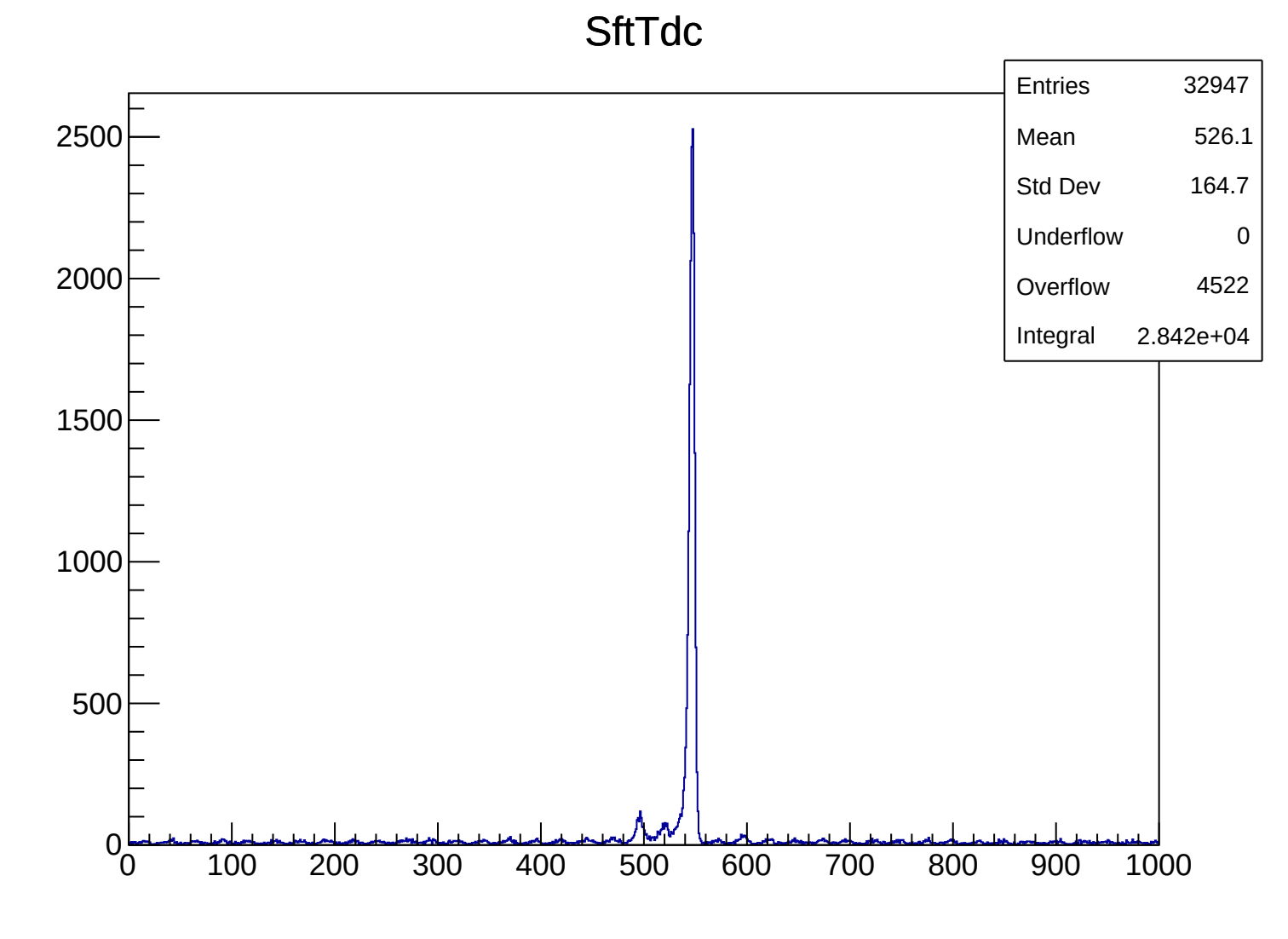

Sft U Hitpat
×10^3
250
200
150
100
50
0
0
50
100
150
200
250
Entries 768920
Mean 26.14
Std Dev 53.4
Underflow 5.247e+04
Overflow 2.976e+05
Integral 4.189e+05

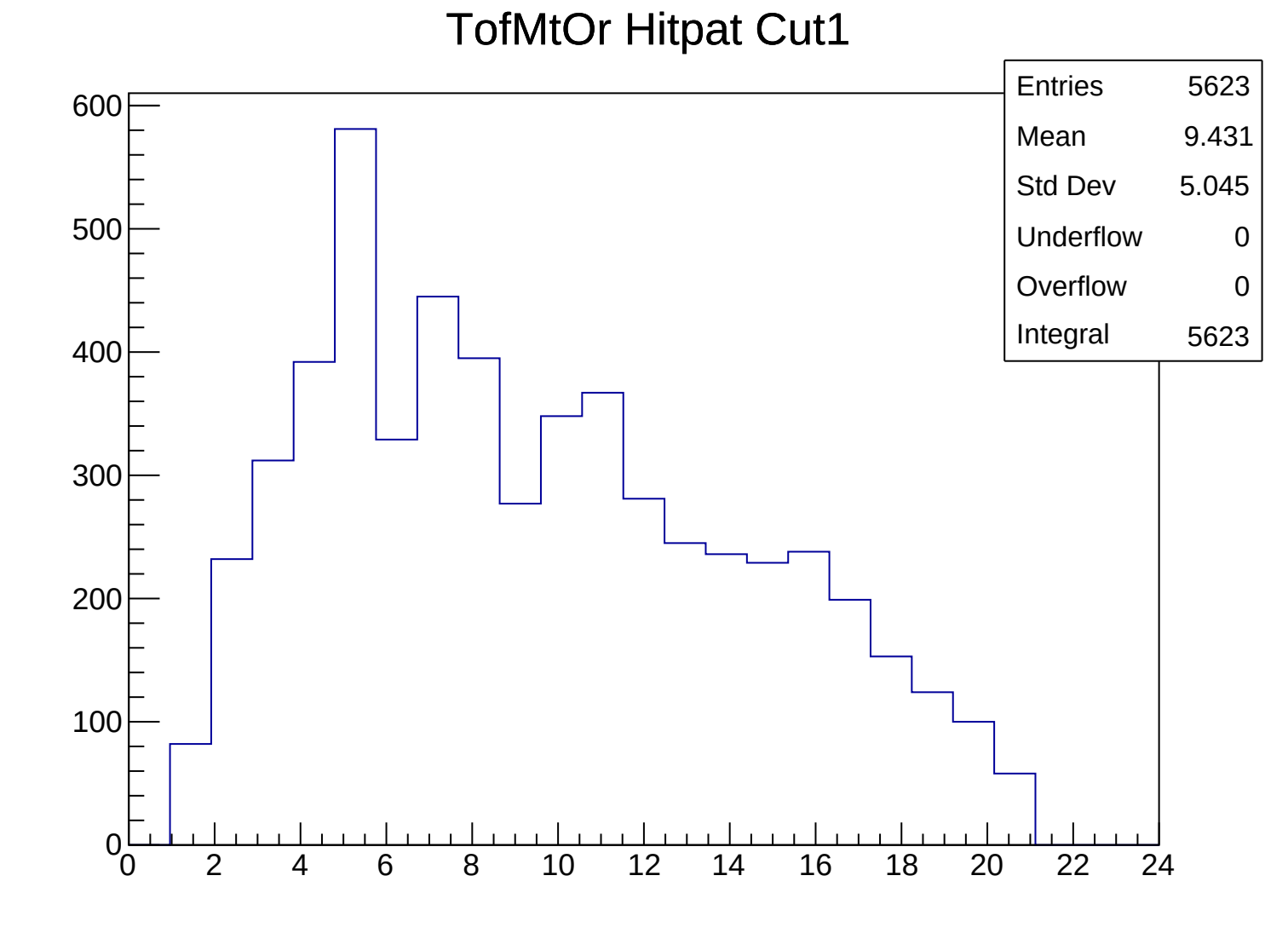

Sft D Hitpat
Entries 400820
Mean 59.55
Std Dev 71.17
Underflow 4.834e+04
Overflow 1.352e+05
Integral 2.173e+05
70000
60000
50000
40000
30000
20000
10000
0
0
50
100
150
200
250

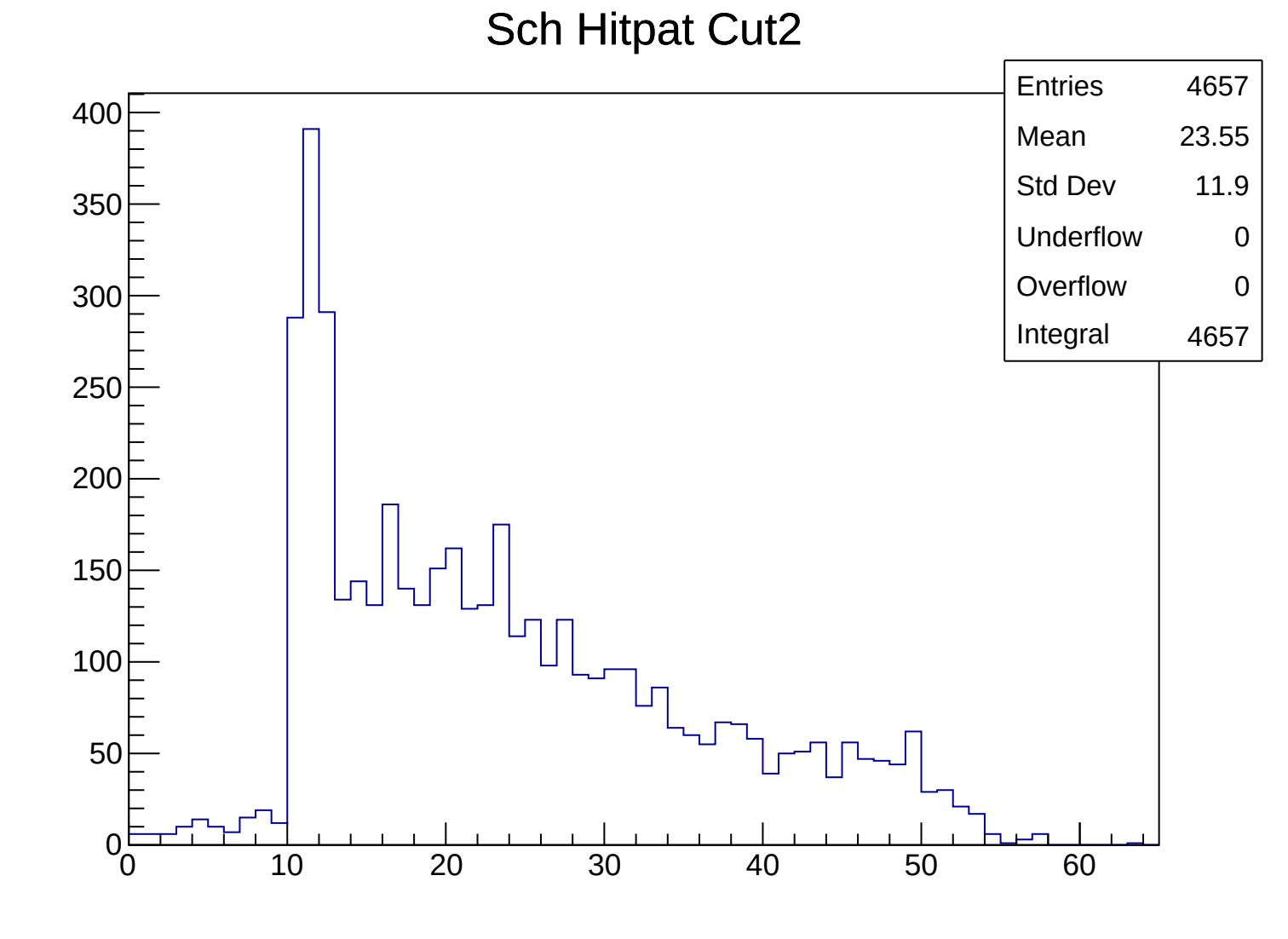

SftHitpat
×10^3
300
250
200
150
100
50
0
0
50
100
150
200
250
Entries 1169740
Mean 37.55
Std Dev 62.12
Underflow 1.008e+05
Overflow 4.328e+05
Integral 6.362e+05

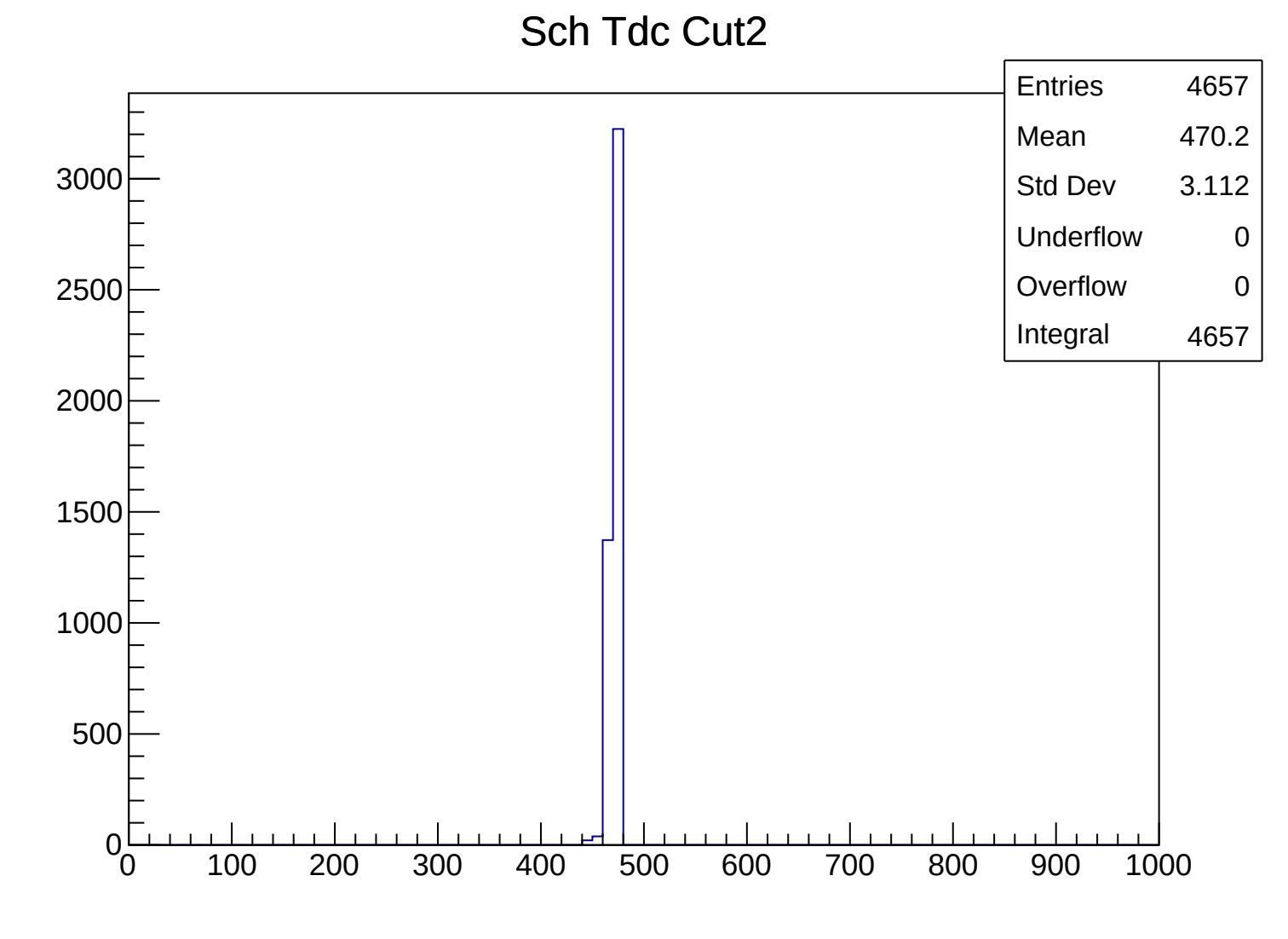

Sft U Tdc
Entries 15980
Mean 526.9
Std Dev 160.5
Underflow 0
Overflow 2122
Integral 1.386e+04
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000

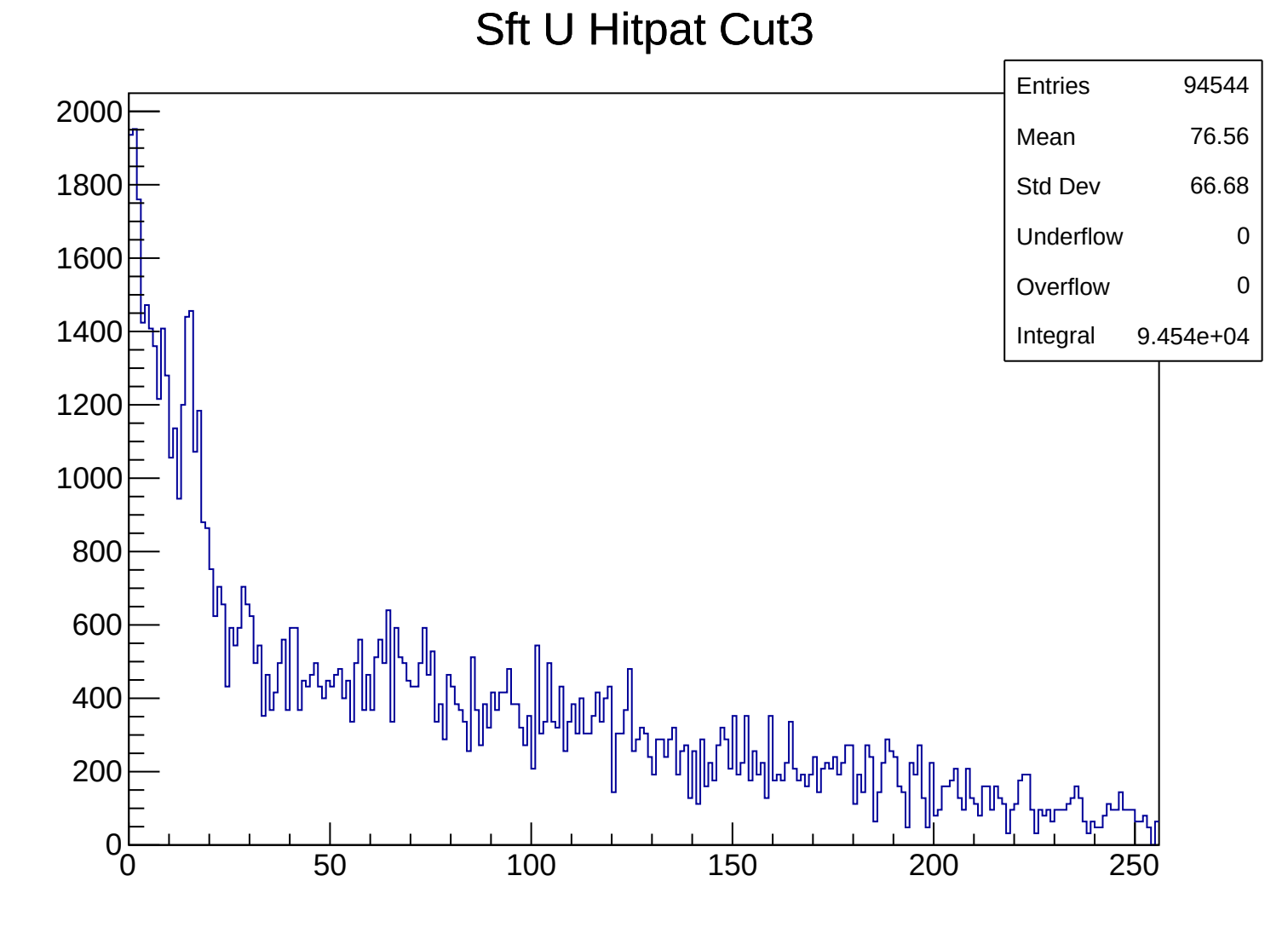

Sft D Tdc
Entries 16967
Mean 525.3
Std Dev 168.5
Underflow 0
Overflow 2400
Integral 1.457e+04
0
200
400
600
800
1000
1200
0
100
200
300
400
500
600
700
800
900
1000

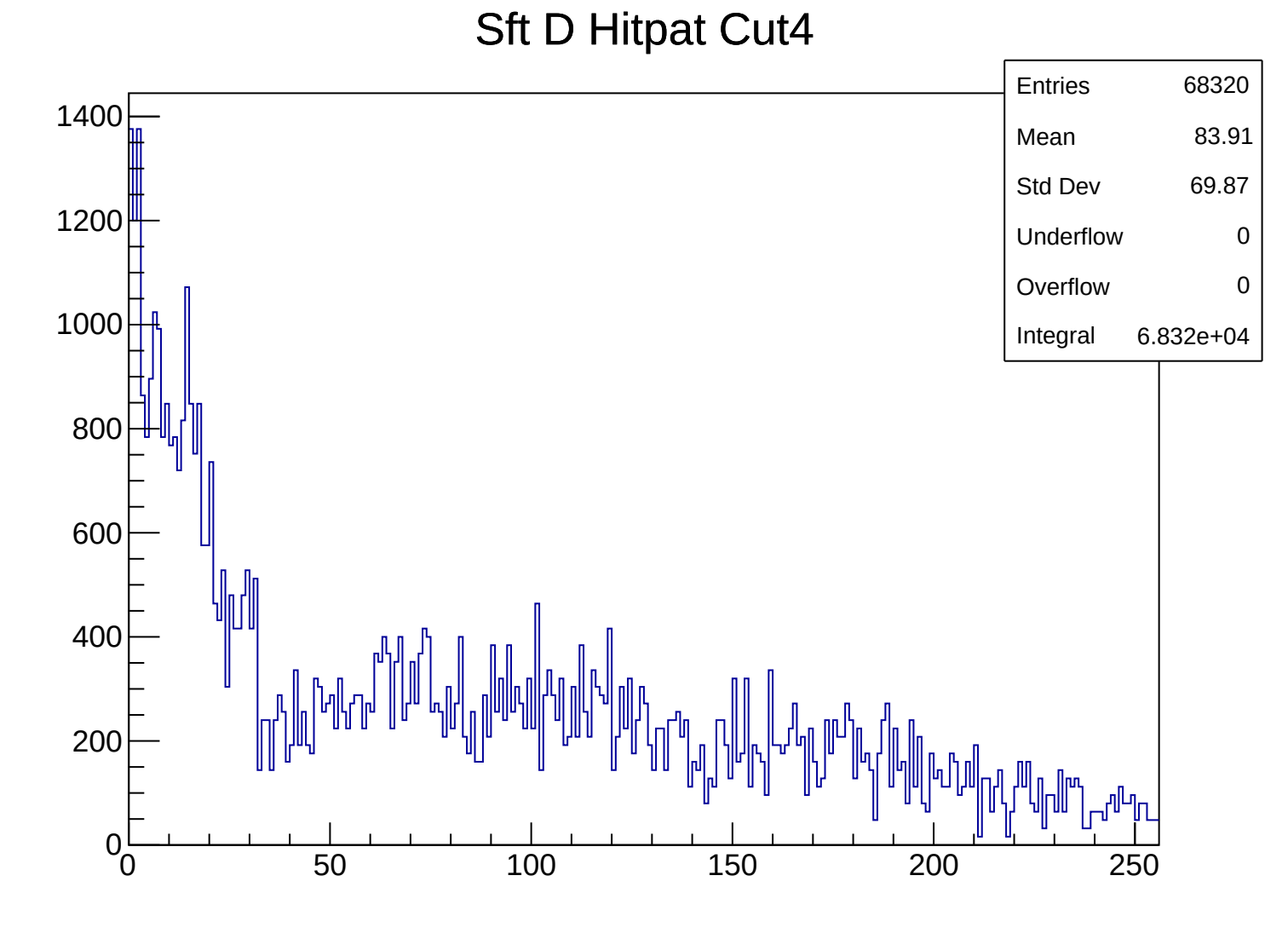

SftTdc
Entries 32947
Mean 526.1
Std Dev 164.7
Underflow 0
Overflow 4522
Integral 2.842e+04
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000

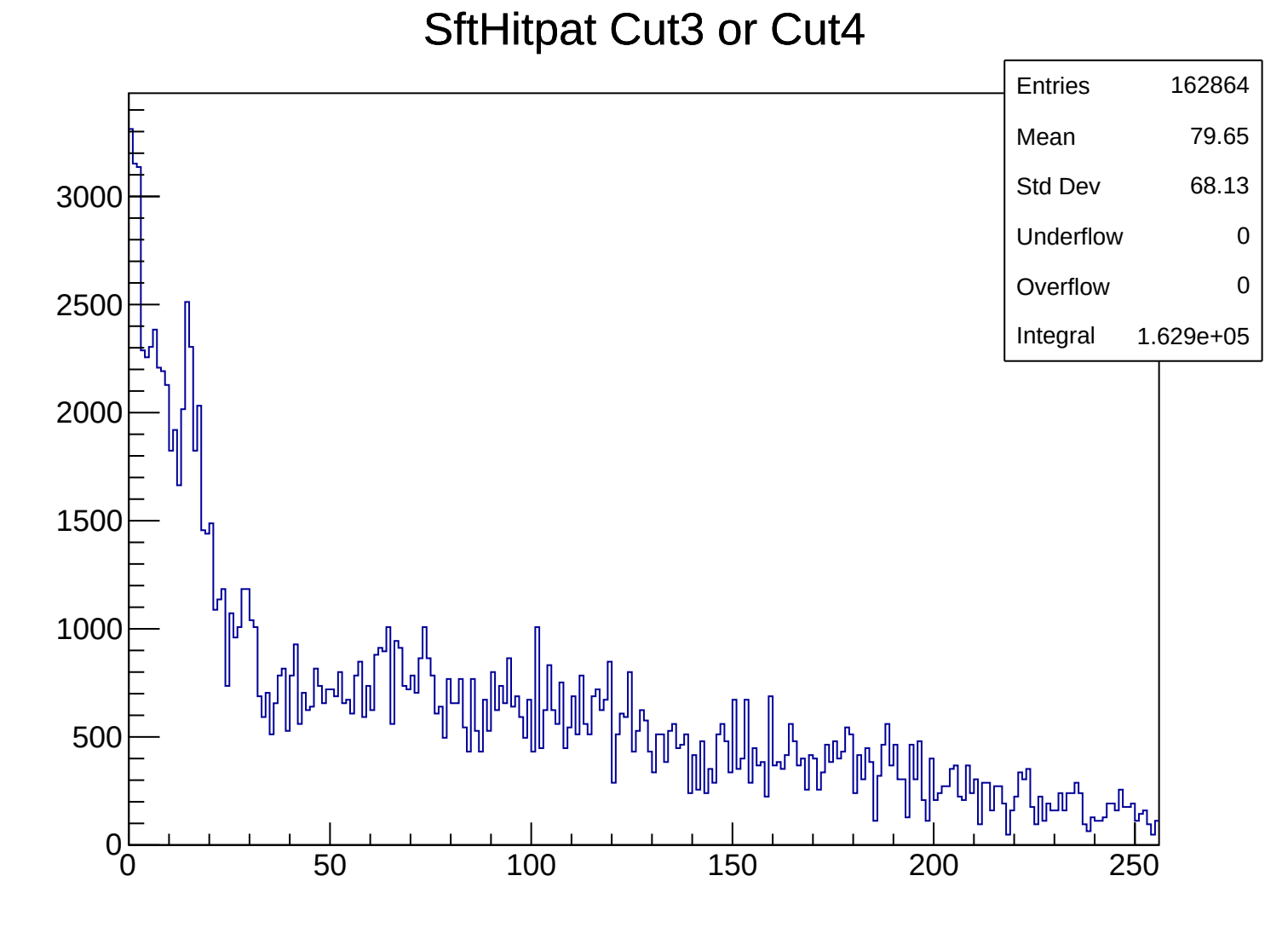

TofMtOr Hitpat Cut1
Entries 5623
Mean 9.431
Std Dev 5.045
Underflow 0
Overflow 0
Integral 5623
600
500
400
300
200
100
0
0
2
4
6
8
10
12
14
16
18
20
22
24

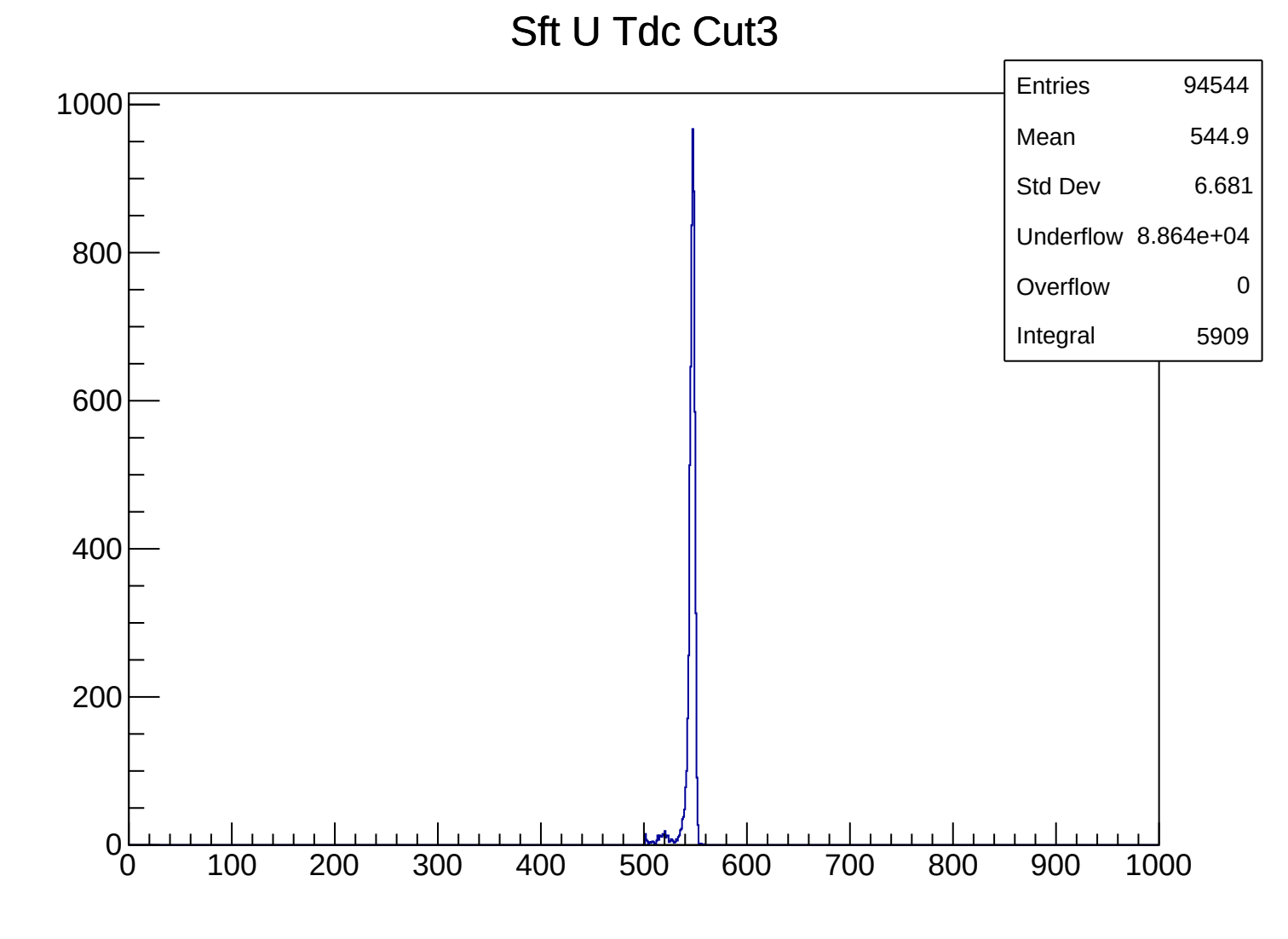

Sch Hitpat Cut2
Entries 4657
Mean 23.55
Std Dev 11.9
Underflow 0
Overflow 0
Integral 4657
400
350
300
250
200
150
100
50
0
0
10
20
30
40
50
60

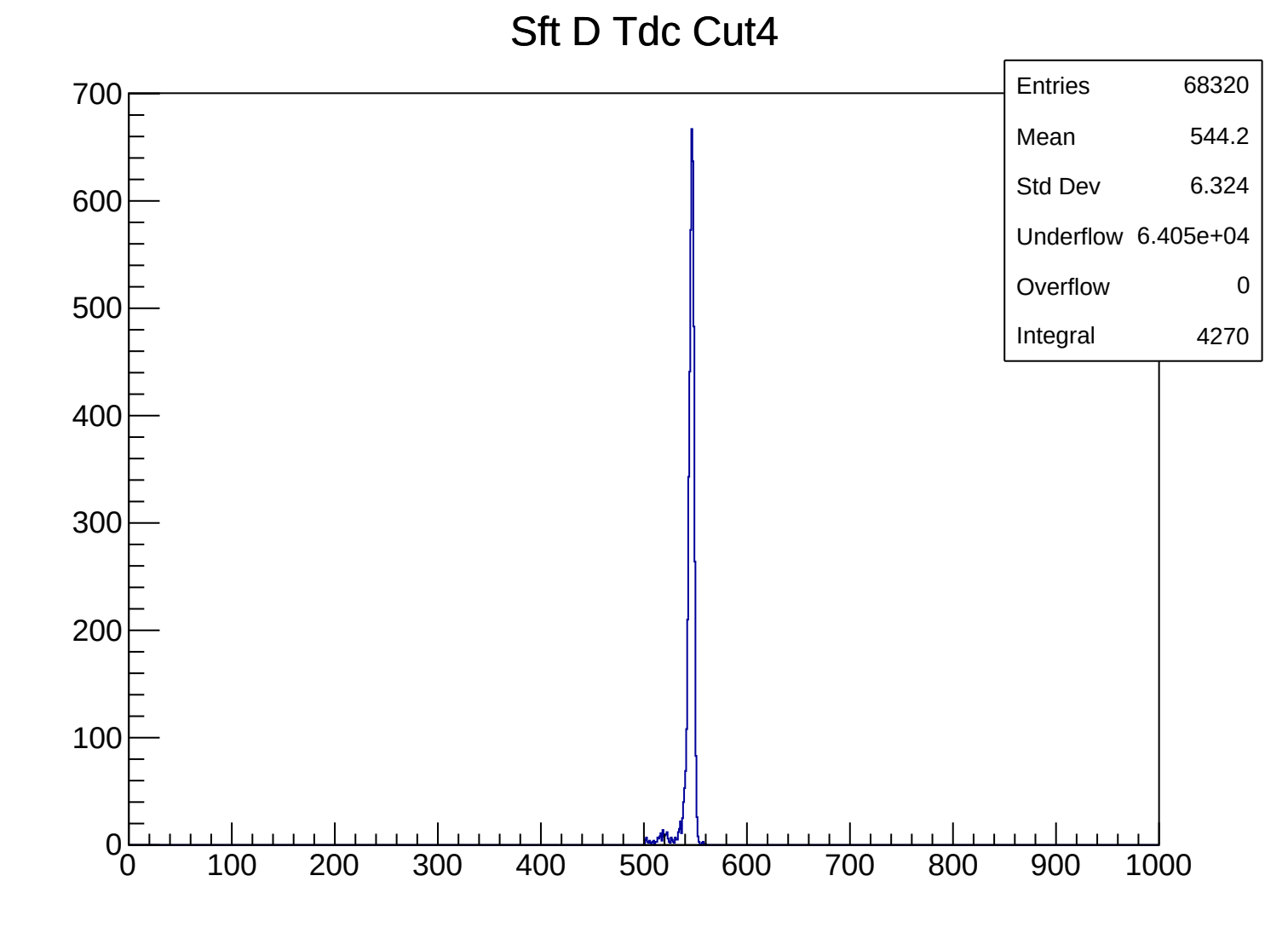

Sch Tdc Cut2
Entries 4657
Mean 470.2
Std Dev 3.112
Underflow 0
Overflow 0
Integral 4657
3000
2500
2000
1500
1000
500
0
0
100
200
300
400
500
600
700
800
900
1000

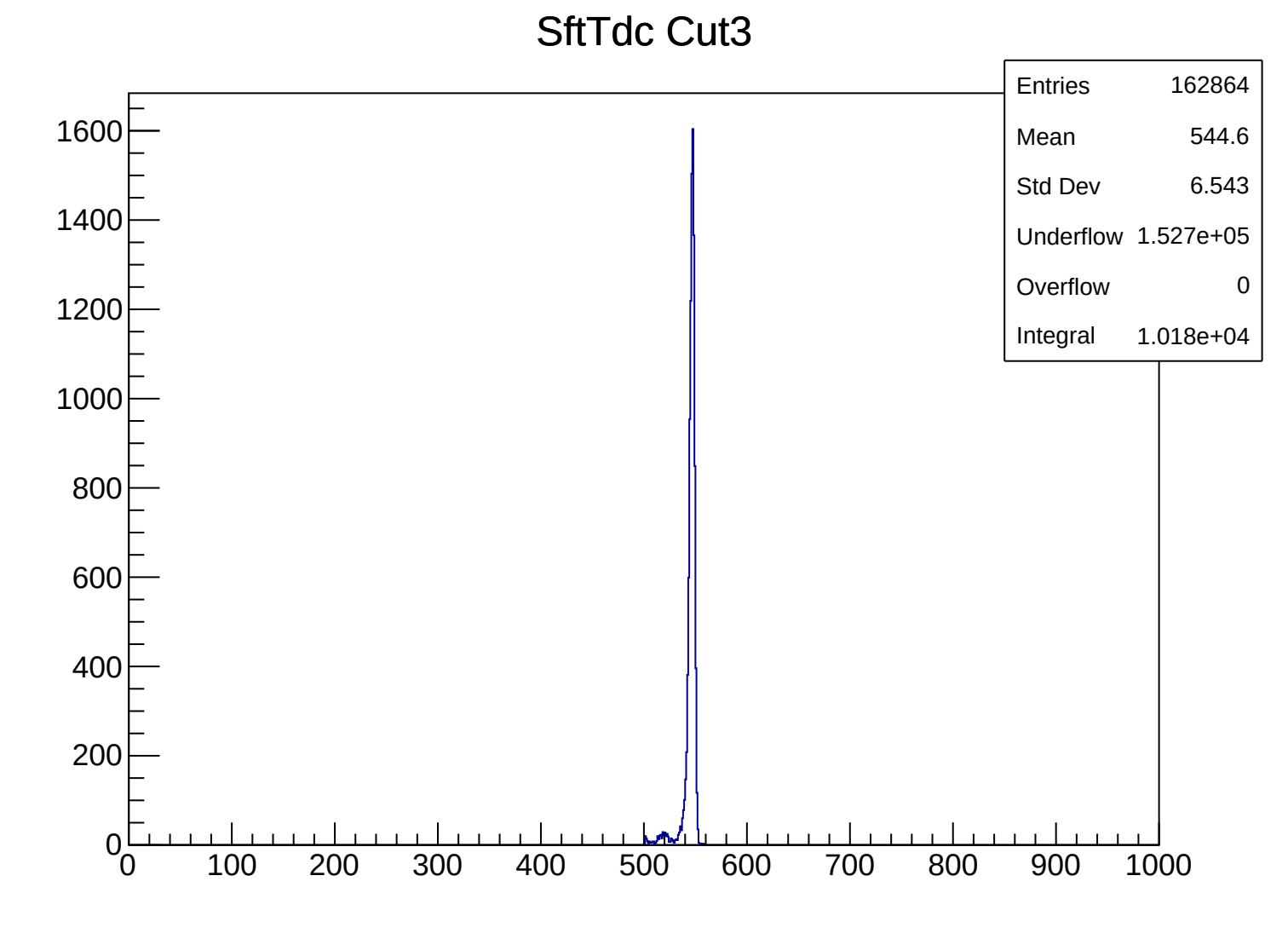

Sft U Hitpat Cut3
Entries 94544
Mean 76.56
Std Dev 66.68
Underflow 0
Overflow 0
Integral 9.454e+04
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250

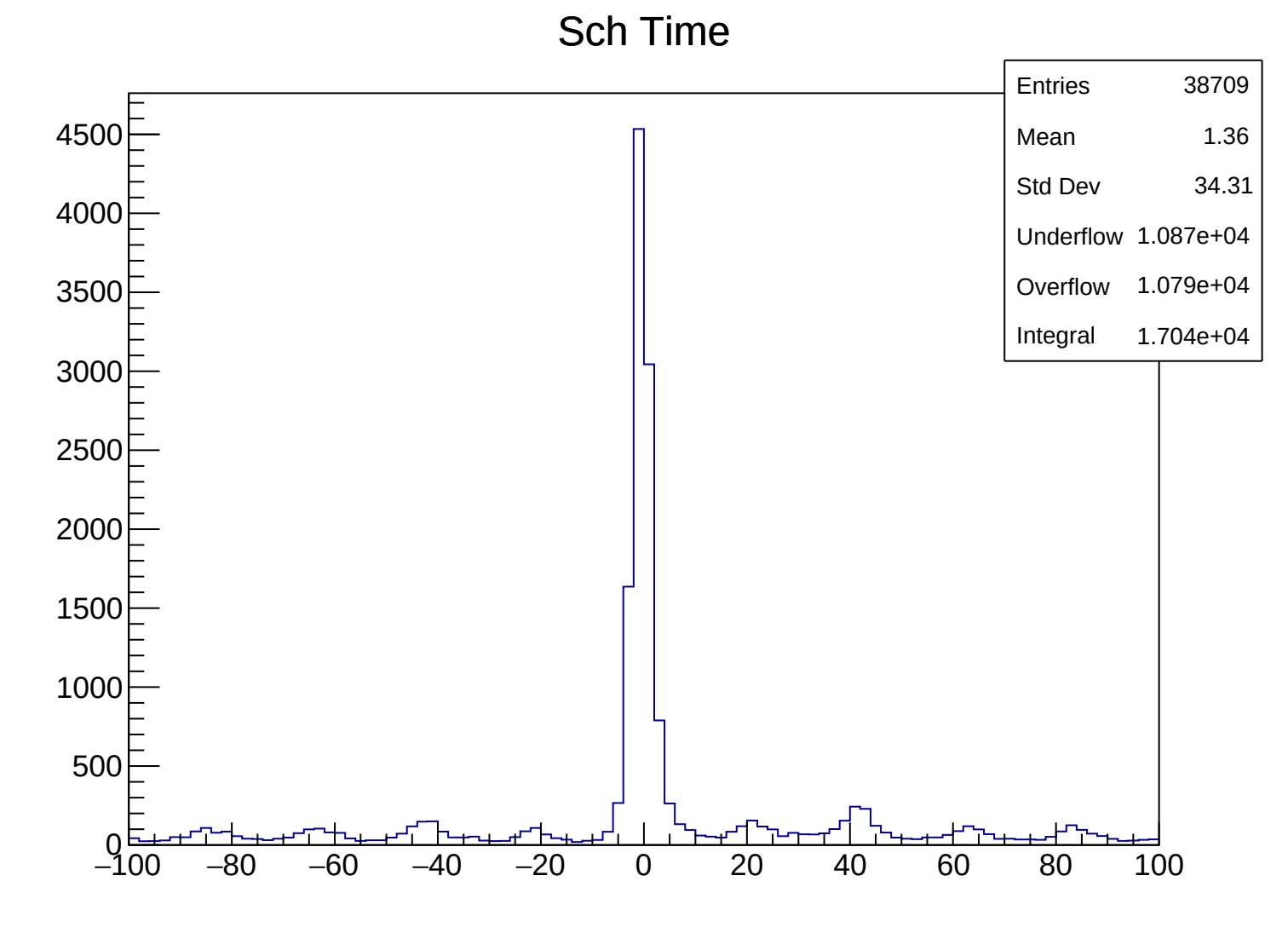

Sft D Hitpat Cut4
Entries 68320
Mean 83.91
Std Dev 69.87
Underflow 0
Overflow 0
Integral 6.832e+04
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250

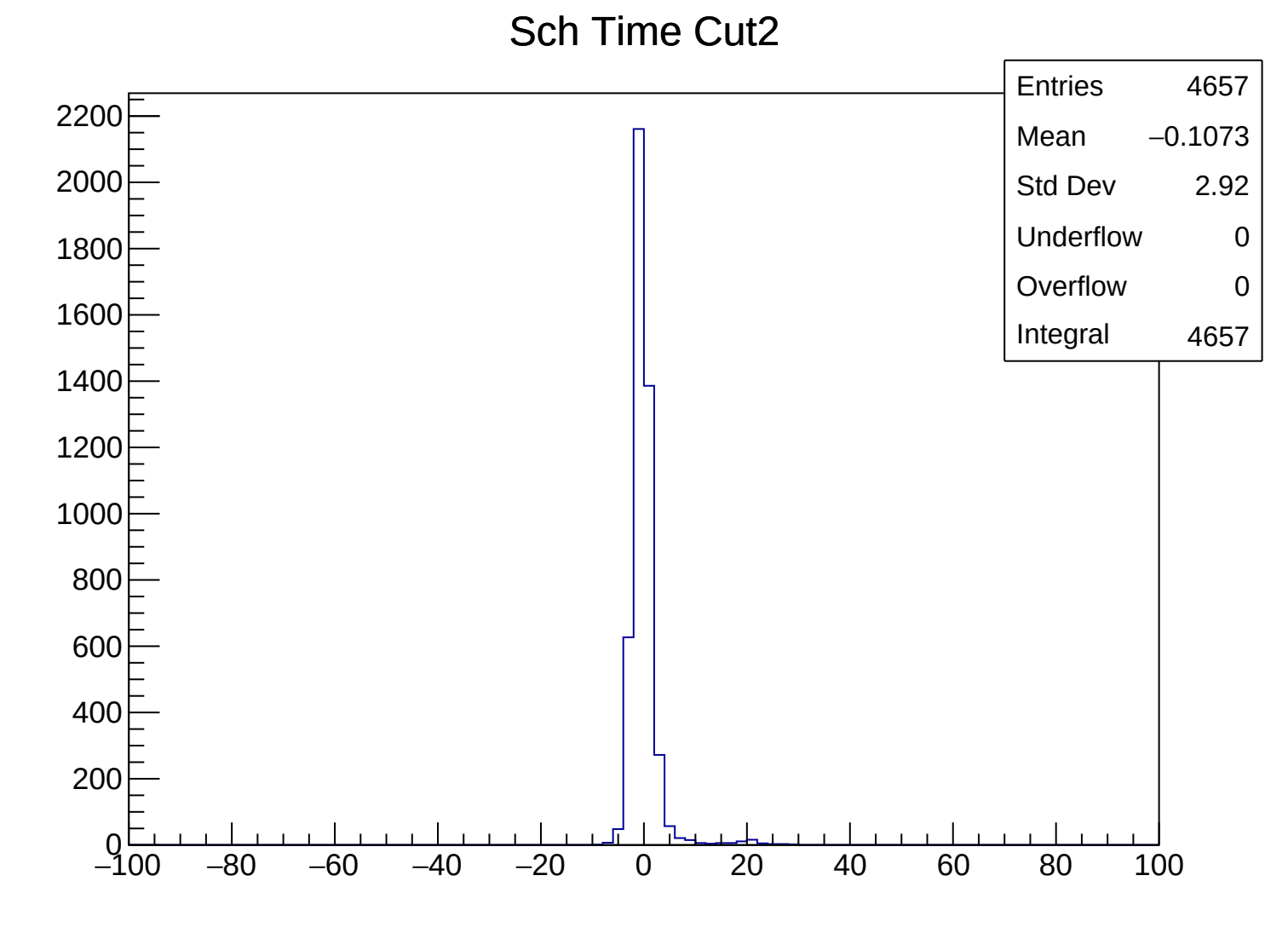

SftHitpat Cut3 or Cut4
Entries 162864
Mean 79.65
Std Dev 68.13
Underflow 0
Overflow 0
Integral 1.629e+05
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250

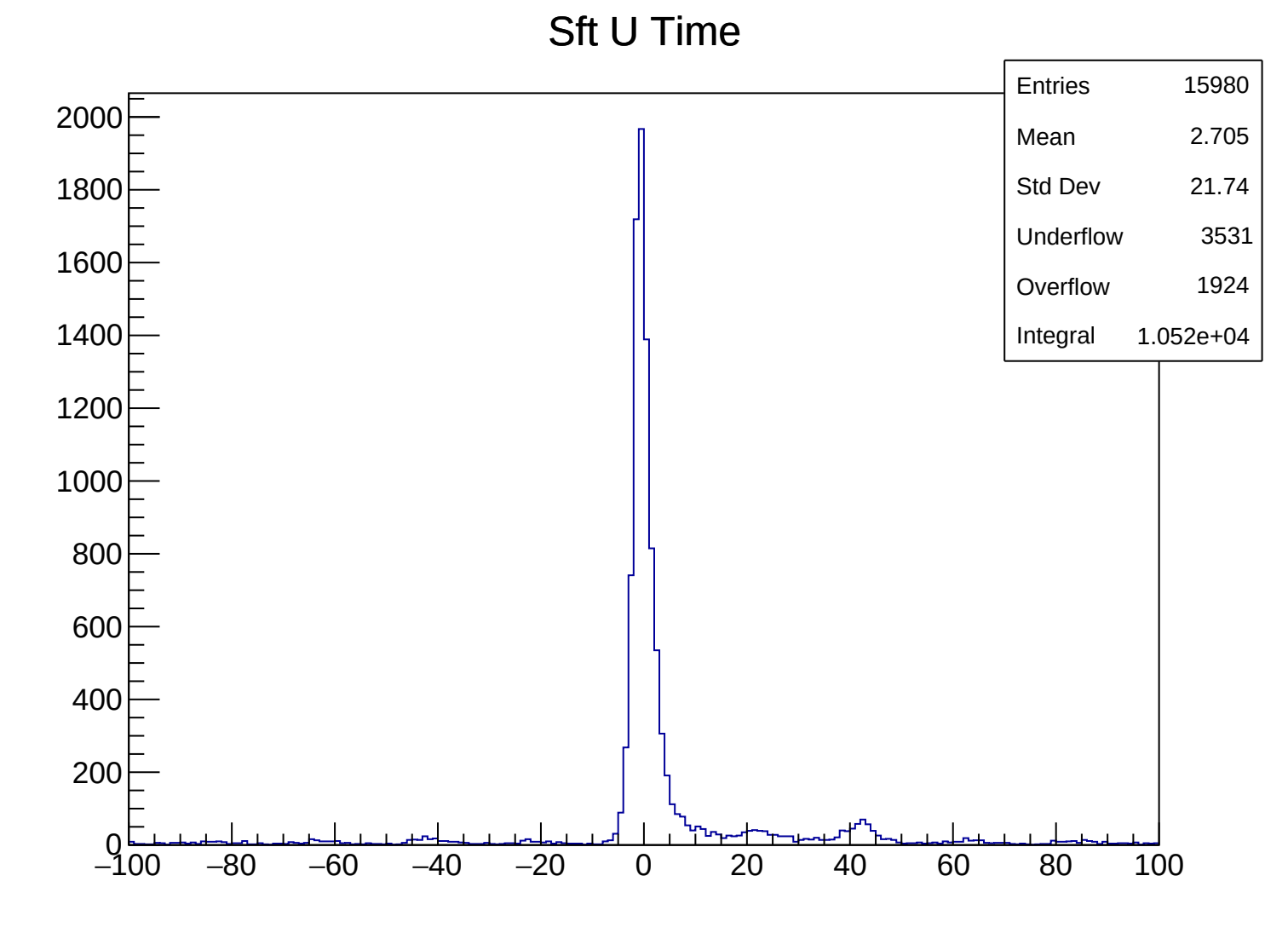

Sft U Tdc Cut3
Entries 94544
Mean 544.9
Std Dev 6.681
Underflow 8.864e+04
Overflow 0
Integral 5909
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000

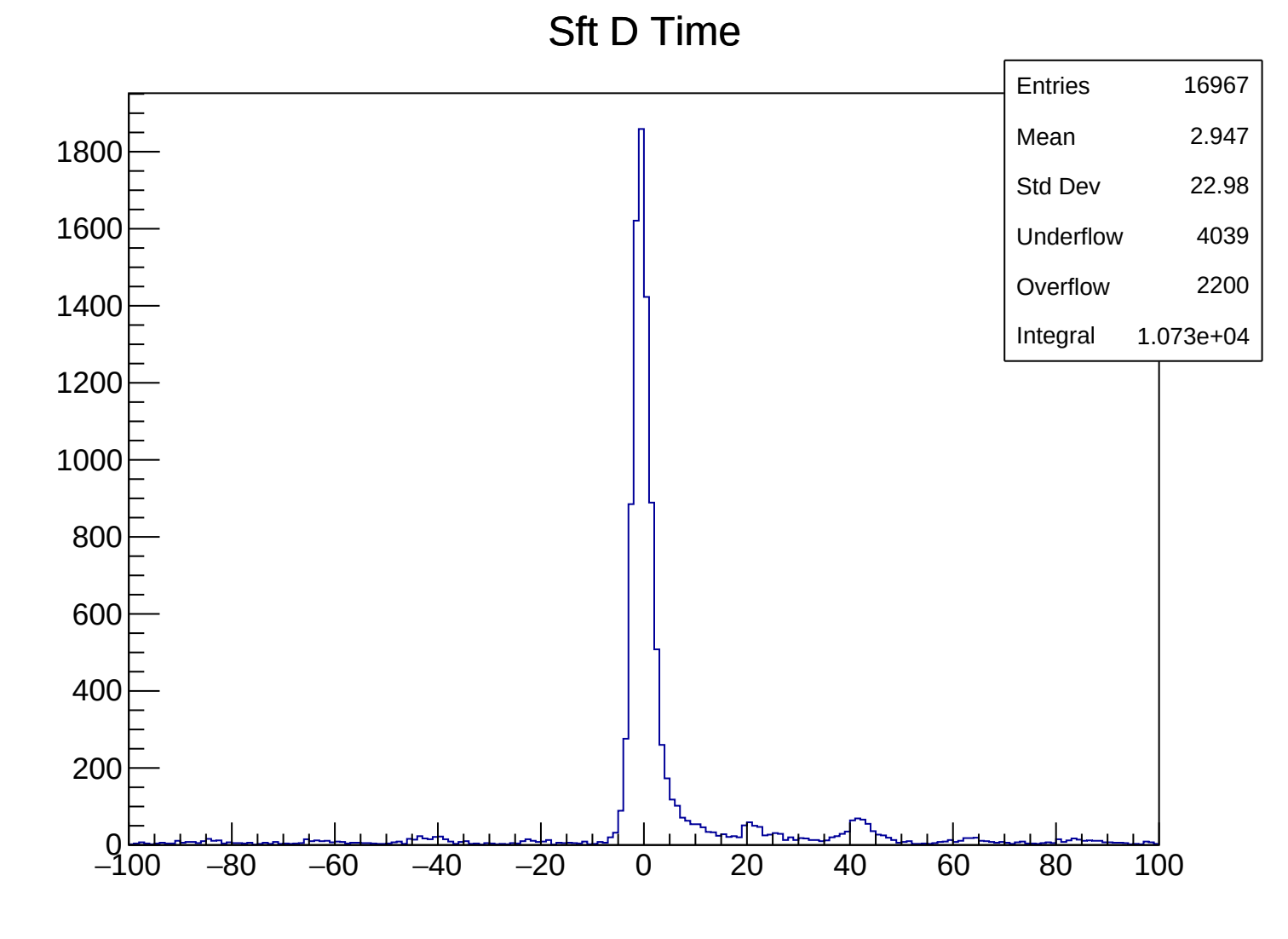

Sft D Tdc Cut4
Entries 68320
Mean 544.2
Std Dev 6.324
Underflow 6.405e+04
Overflow 0
Integral 4270
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000

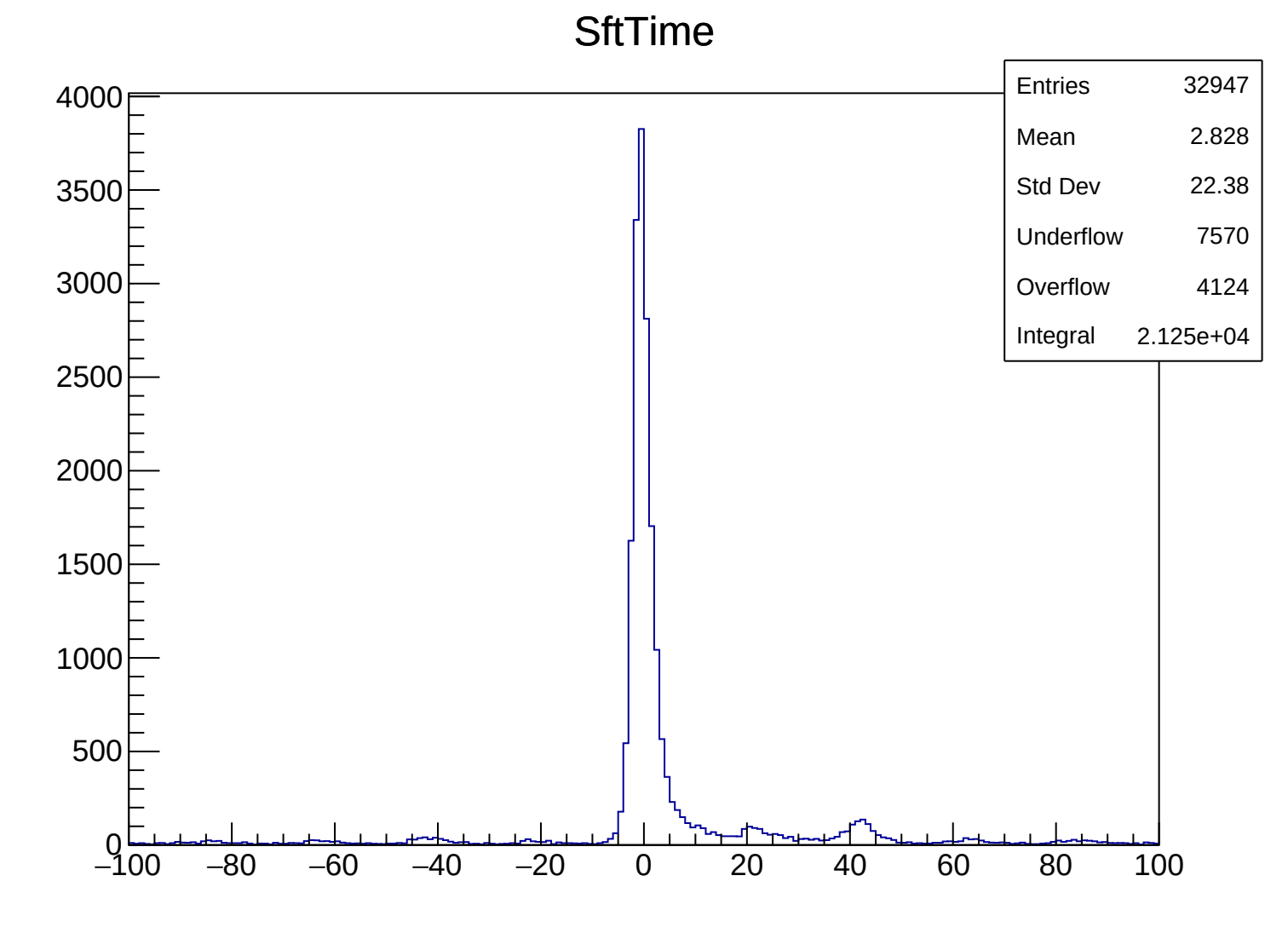

SftTdc Cut3
Entries 162864
Mean 544.6
Std Dev 6.543
Underflow 1.527e+05
Overflow 0
Integral 1.018e+04
1600
1400
1200
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800
900
1000

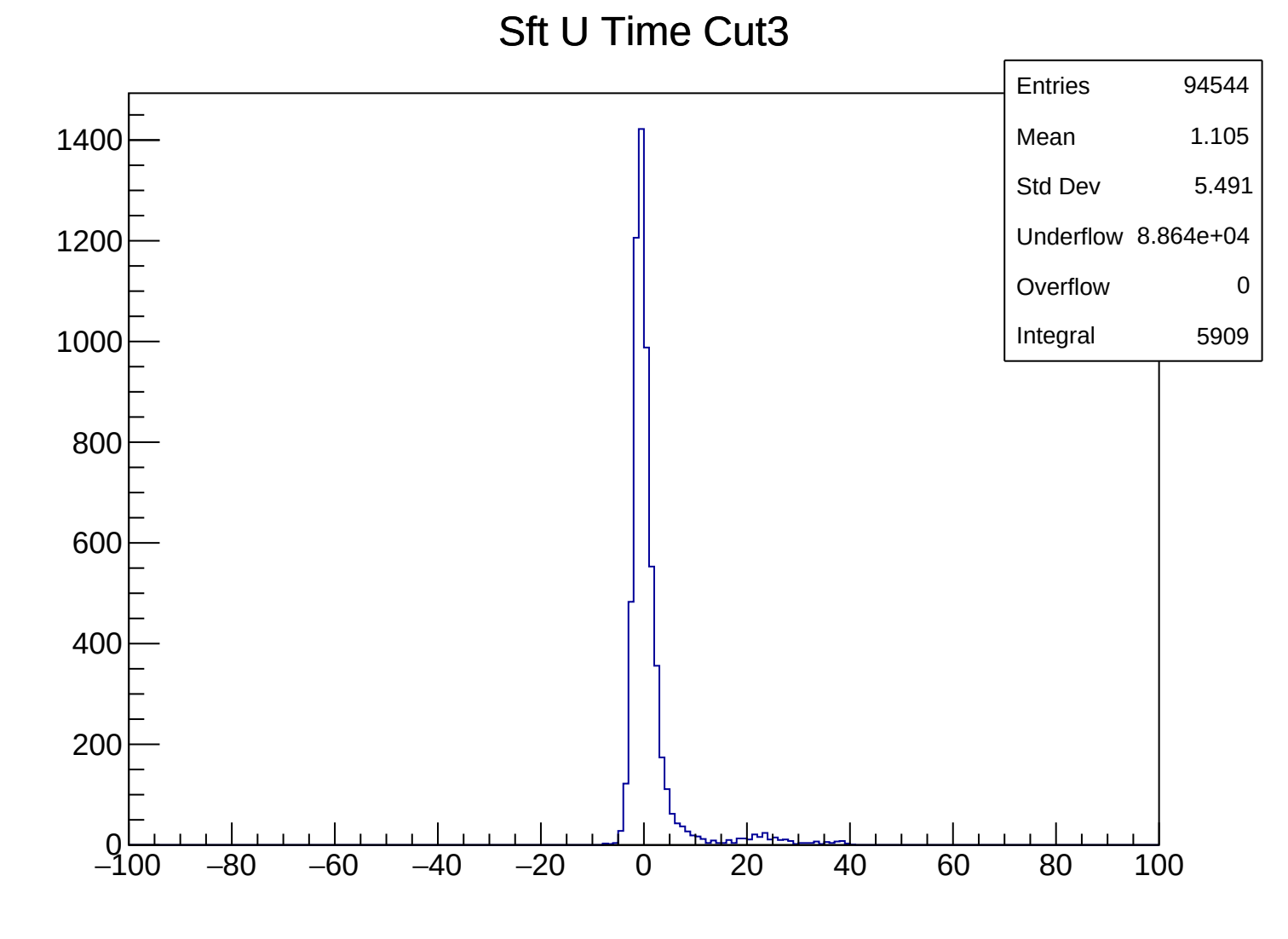

Sch Time
Entries 38709
Mean 1.36
Std Dev 34.31
Underflow 1.087e+04
Overflow 1.079e+04
Integral 1.704e+04
4500
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

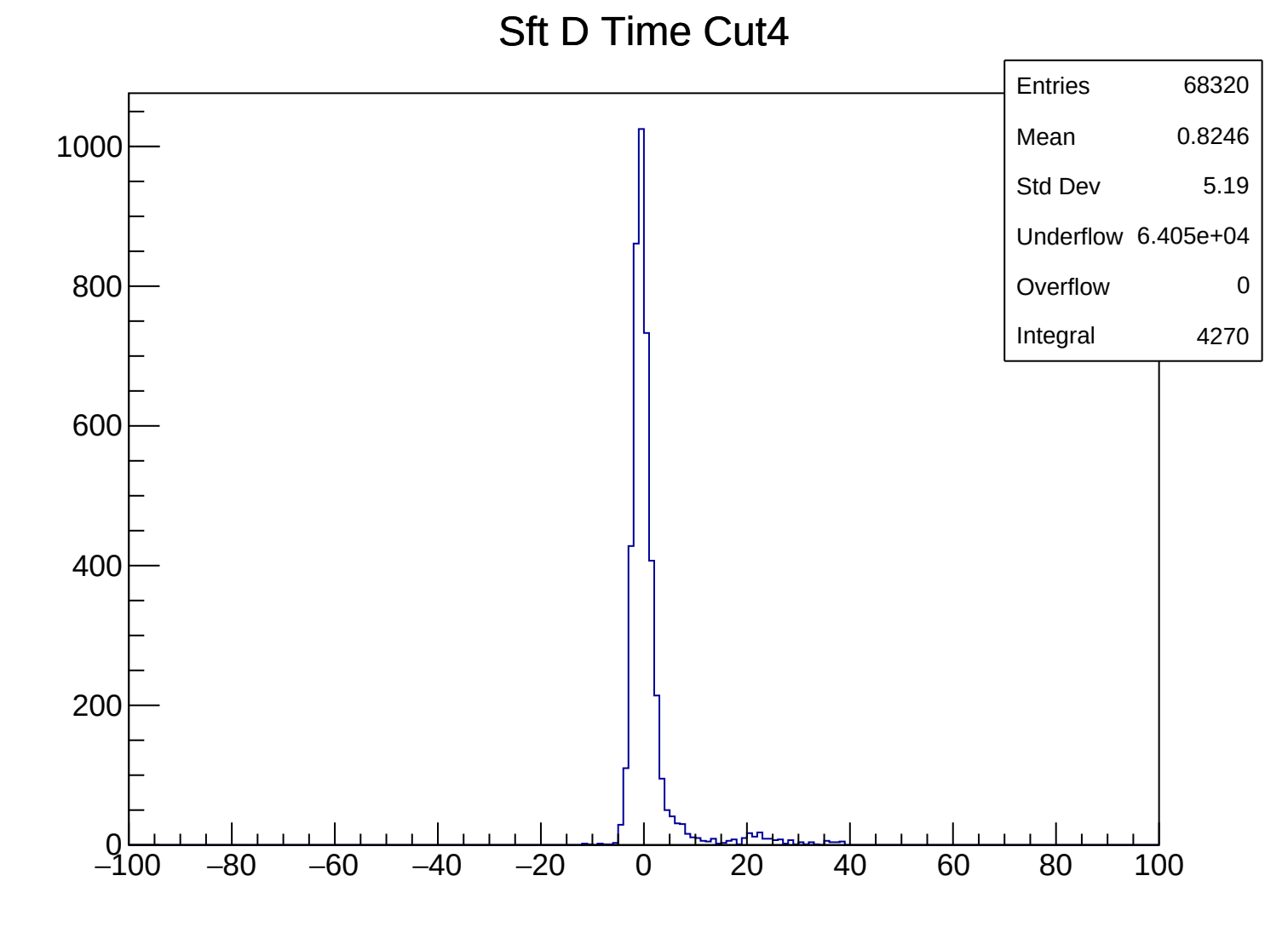

Sch Time Cut2
Entries 4657
Mean –0.1073
Std Dev 2.92
Underflow 0
Overflow 0
Integral 4657
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

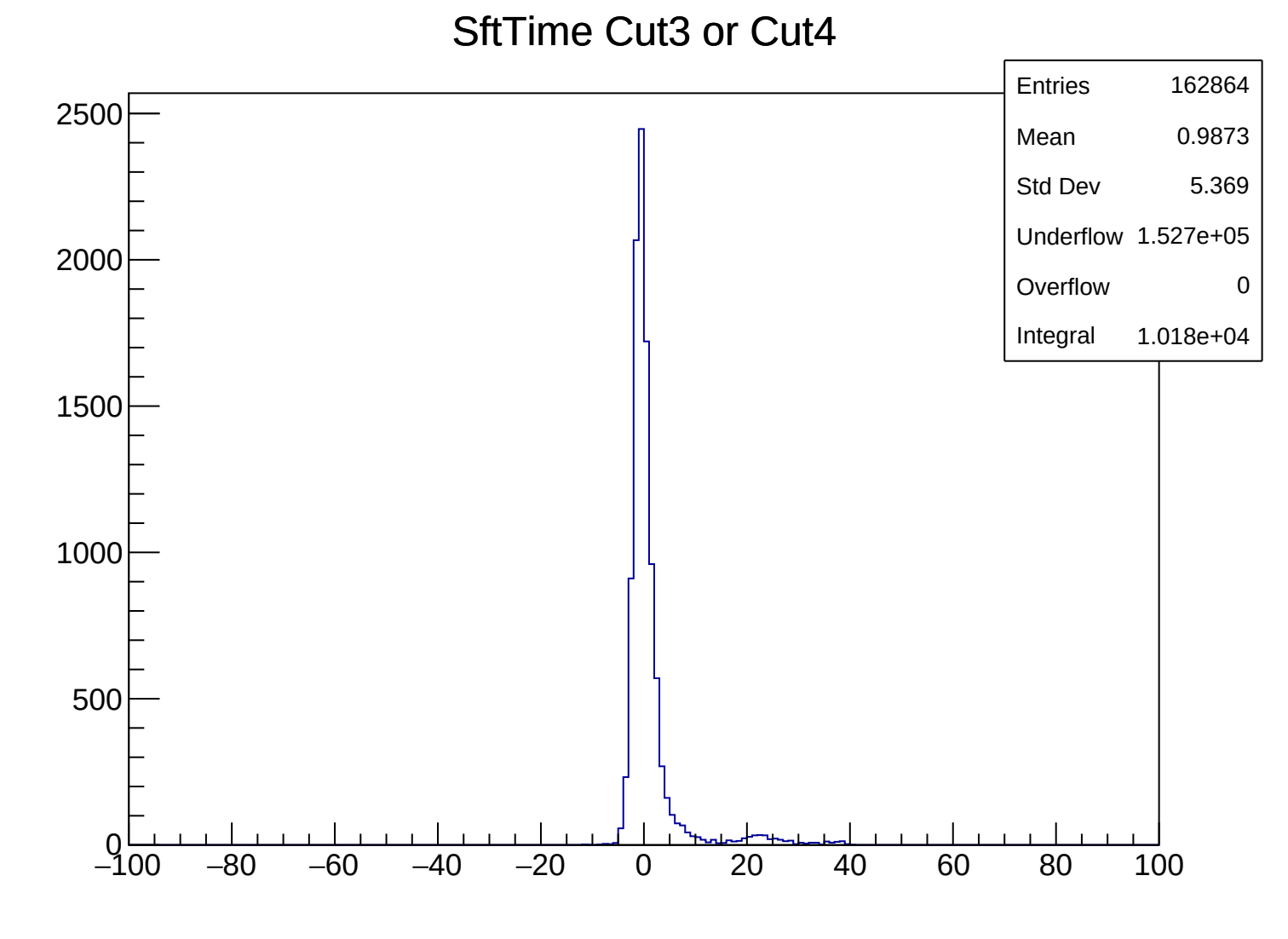

Sft U Time
Entries 15980
Mean 2.705
Std Dev 21.74
Underflow 3531
Overflow 1924
Integral 1.052e+04
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

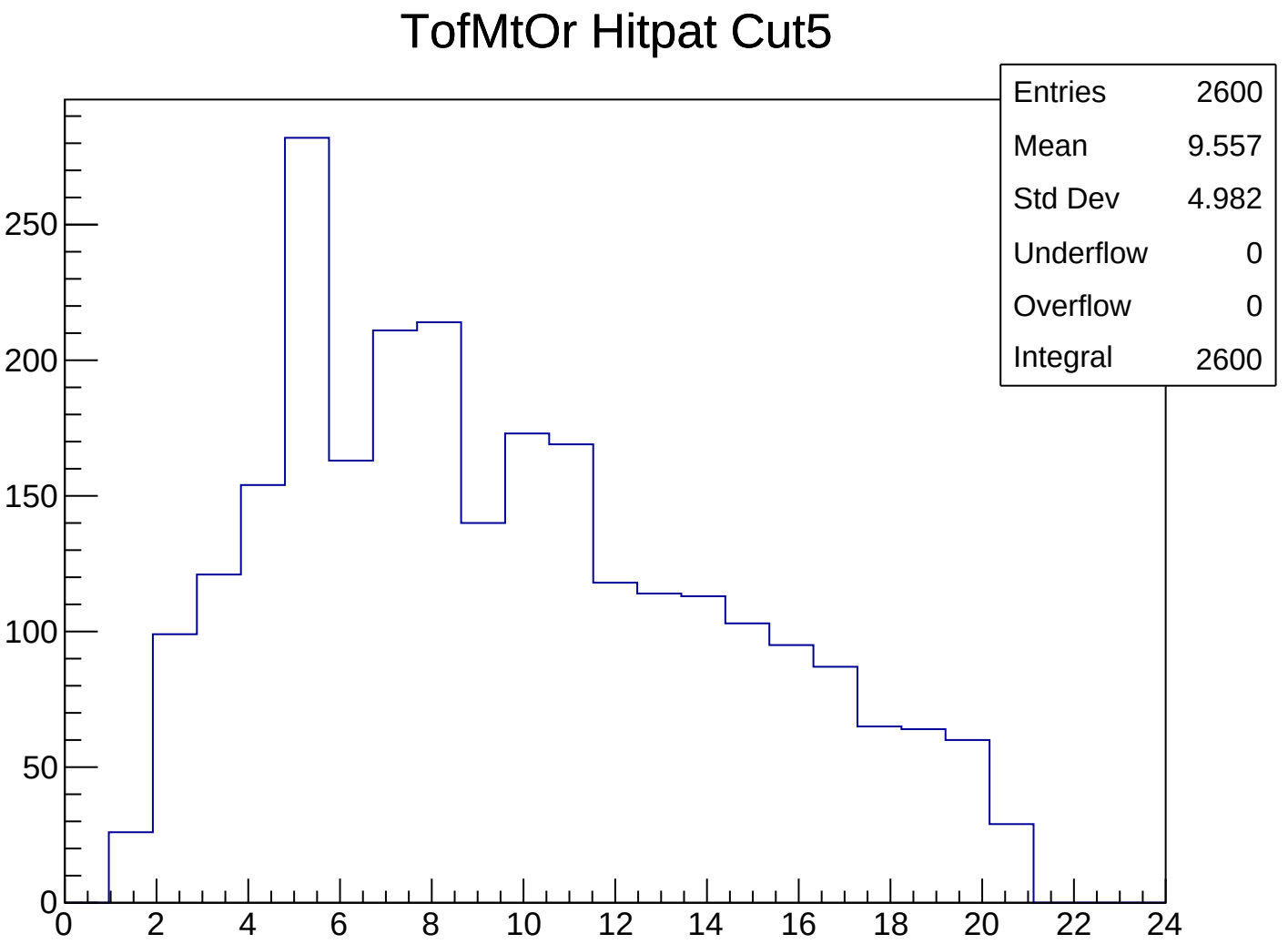

Sft D Time
Entries 16967
Mean 2.947
Std Dev 22.98
Underflow 4039
Overflow 2200
Integral 1.073e+04
1800
1600
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

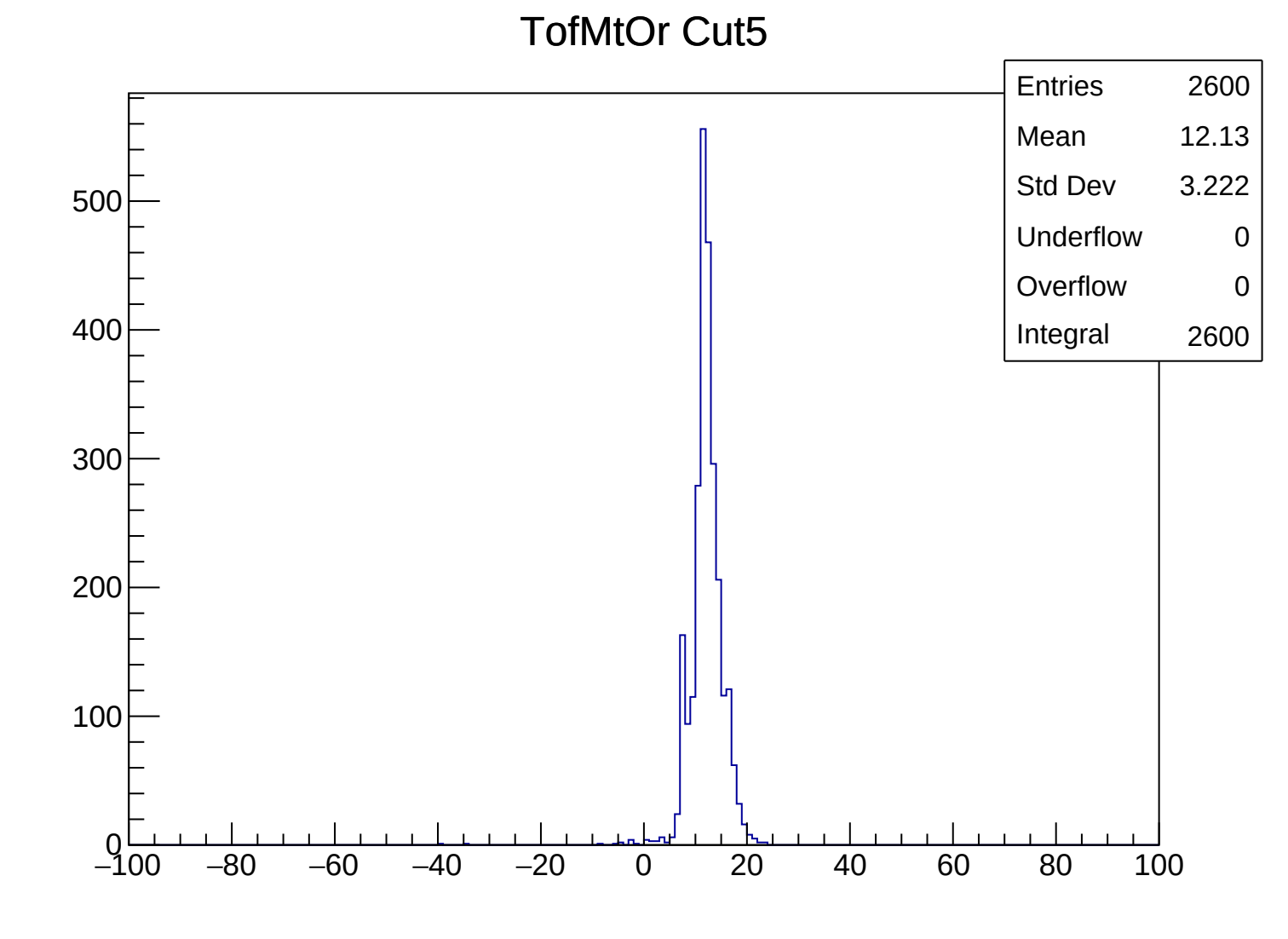

SftTime
Entries 32947
Mean 2.828
Std Dev 22.38
Underflow 7570
Overflow 4124
Integral 2.125e+04
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

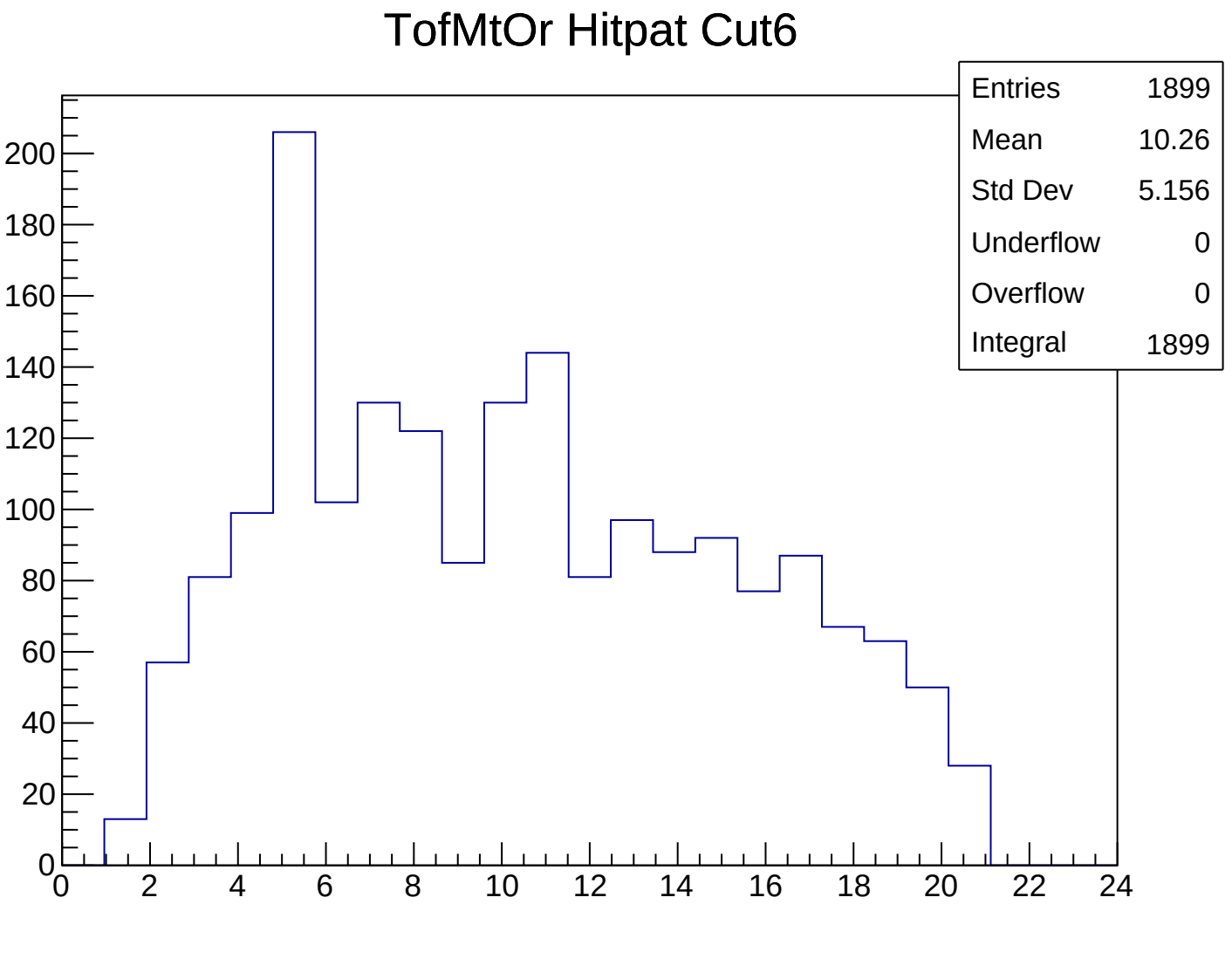

Sft U Time Cut3
Entries 94544
Mean 1.105
Std Dev 5.491
Underflow 8.864e+04
Overflow 0
Integral 5909
1400
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

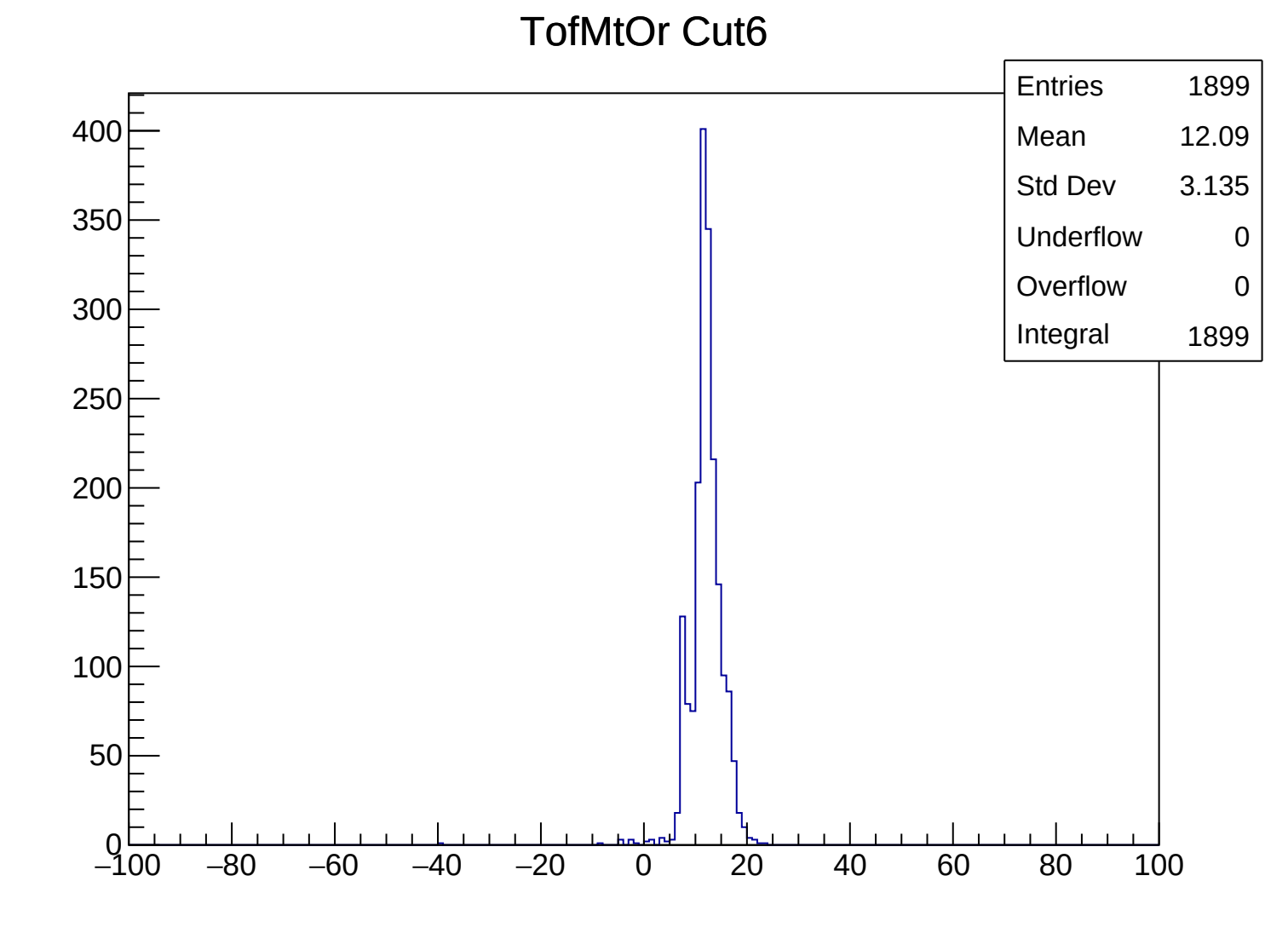

Sft D Time Cut4
Entries 68320
Mean 0.8246
Std Dev 5.19
Underflow 6.405e+04
Overflow 0
Integral 4270
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

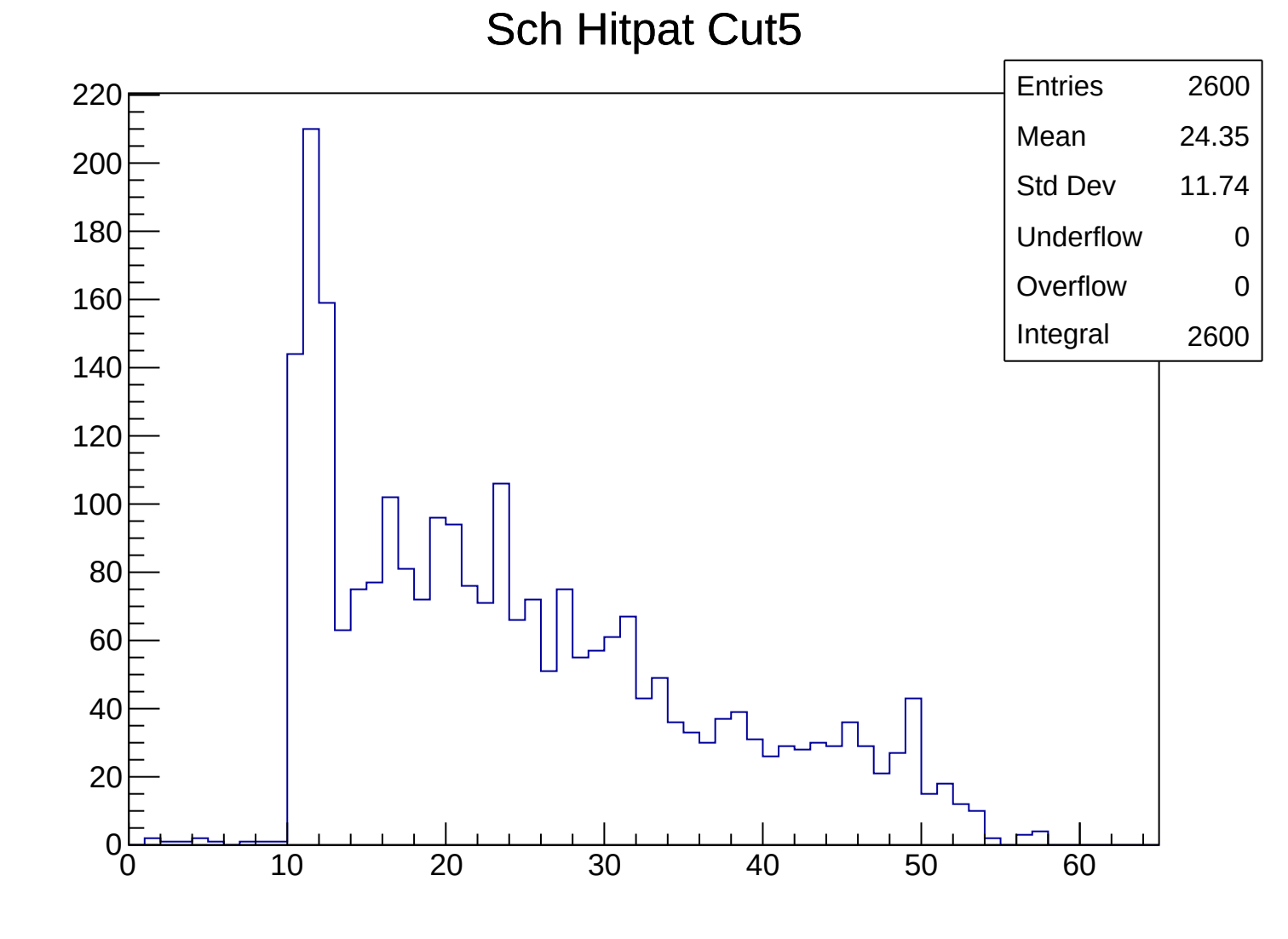

SftTime Cut3 or Cut4
Entries 162864
Mean 0.9873
Std Dev 5.369
Underflow 1.527e+05
Overflow 0
Integral 1.018e+04
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

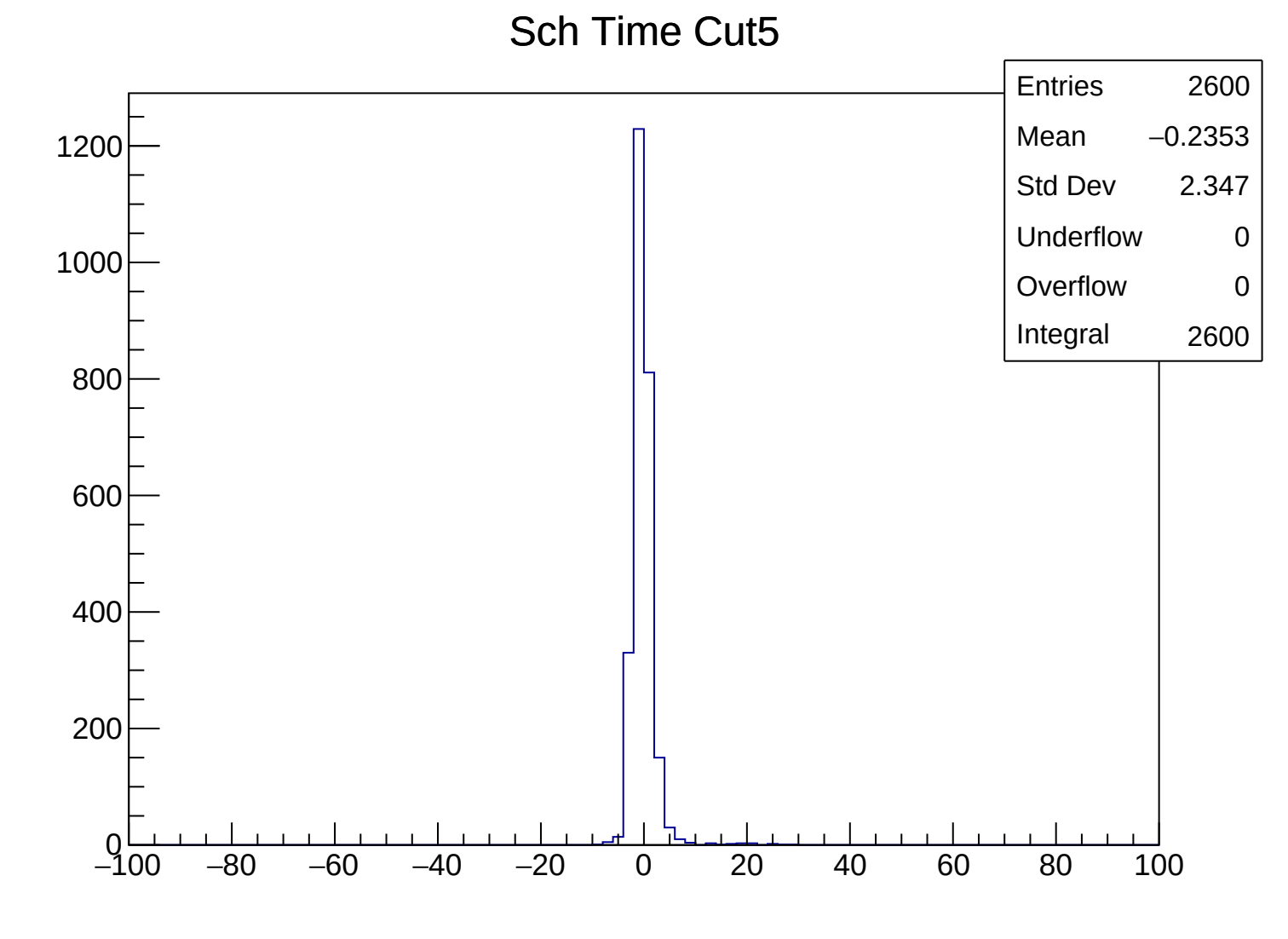

TofMtOr Hitpat Cut5
Entries 2600
Mean 9.557
Std Dev 4.982
Underflow 0
Overflow 0
Integral 2600
250
200
150
100
50
0
0
2
4
6
8
10
12
14
16
18
20
22
24

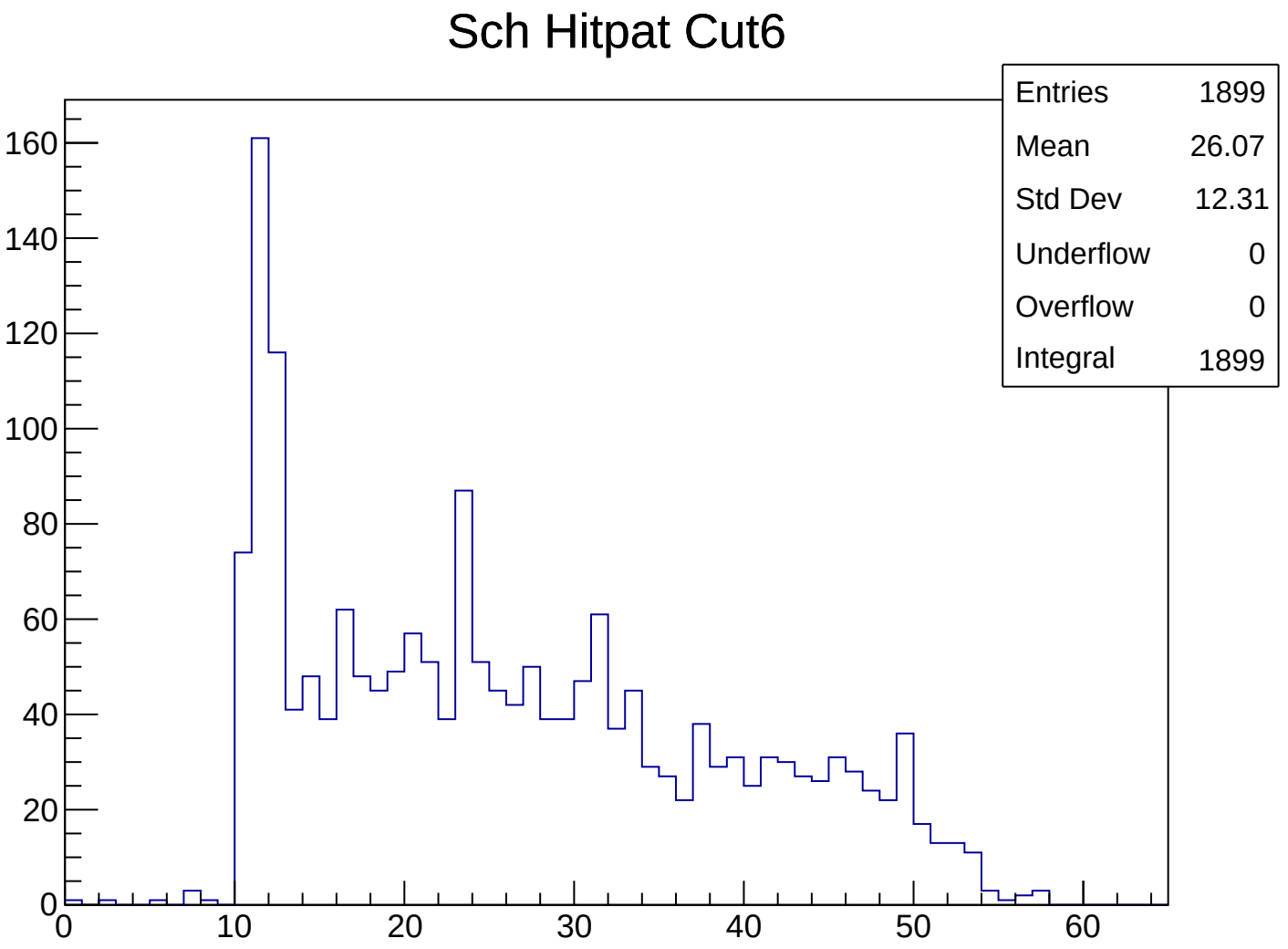

TofMtOr Cut5
Entries 2600
Mean 12.13
Std Dev 3.222
Underflow 0
Overflow 0
Integral 2600
500
400
300
200
100
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

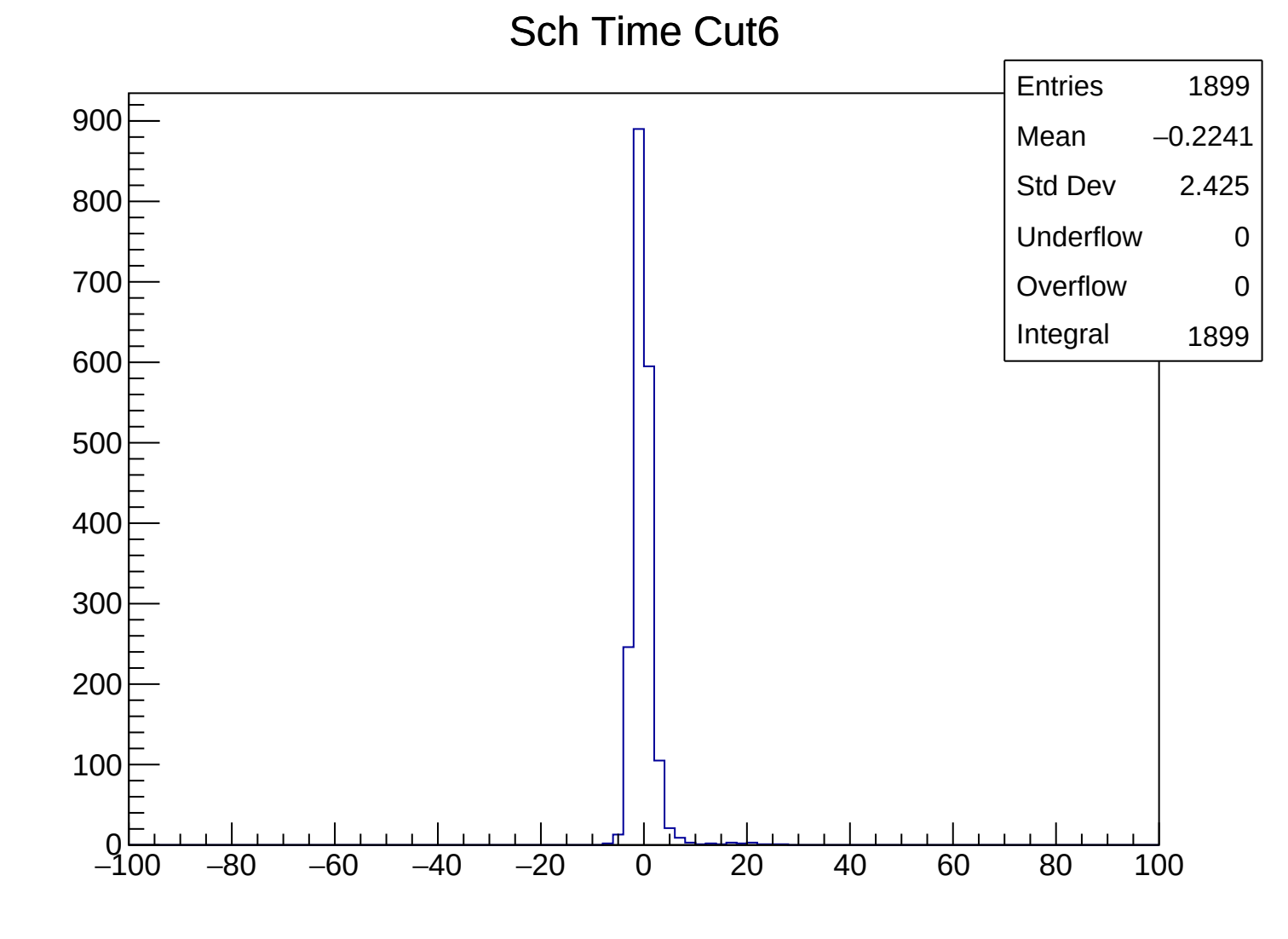

TofMtOr Hitpat Cut6
Entries 1899
Mean 10.26
Std Dev 5.156
Underflow 0
Overflow 0
Integral 1899
0
20
40
60
80
100
120
140
160
180
200
0
2
4
6
8
10
12
14
16
18
20
22
24

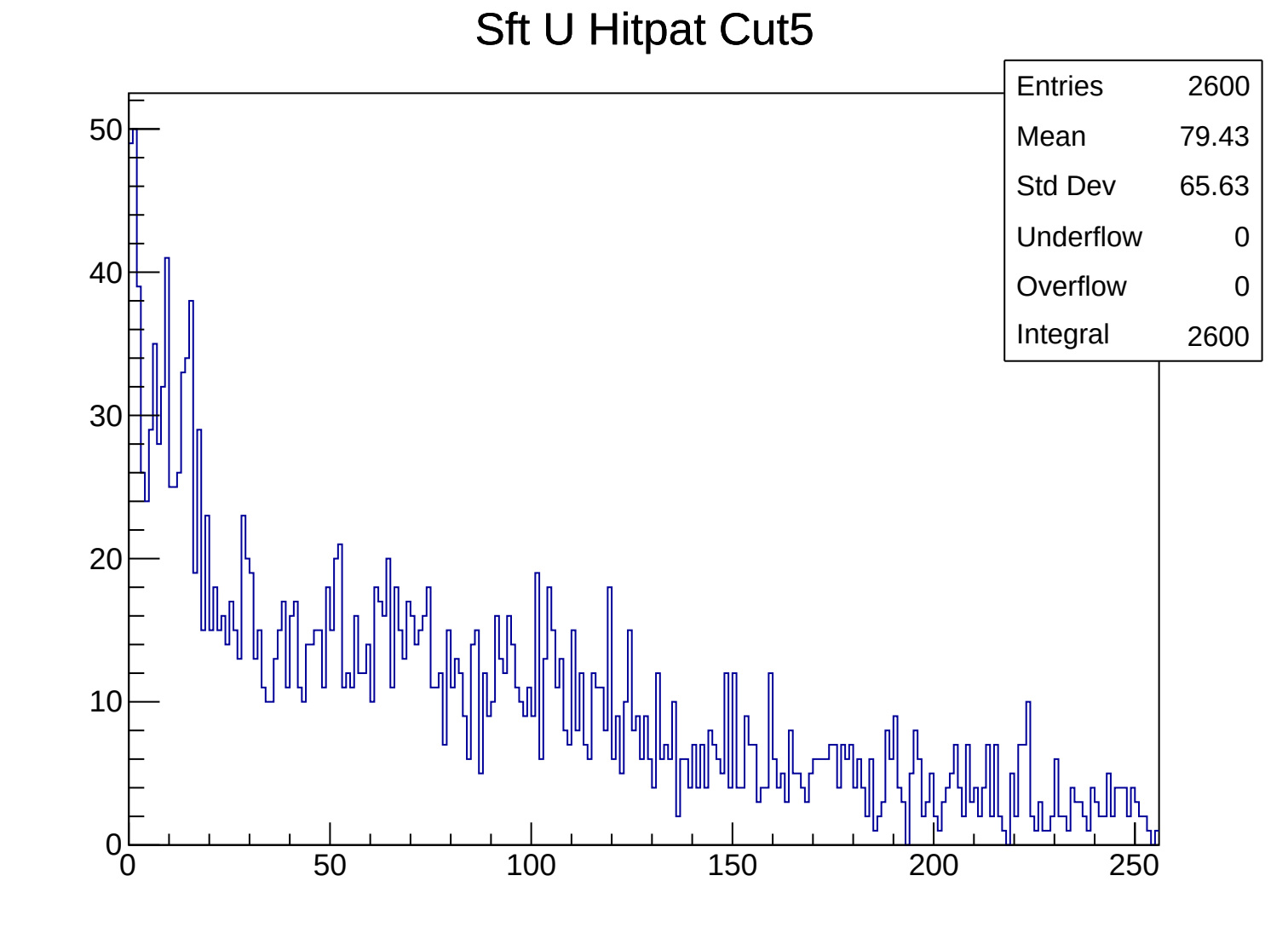

TofMtOr Cut6
Entries 1899
Mean 12.09
Std Dev 3.135
Underflow 0
Overflow 0
Integral 1899
400
350
300
250
200
150
100
50
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

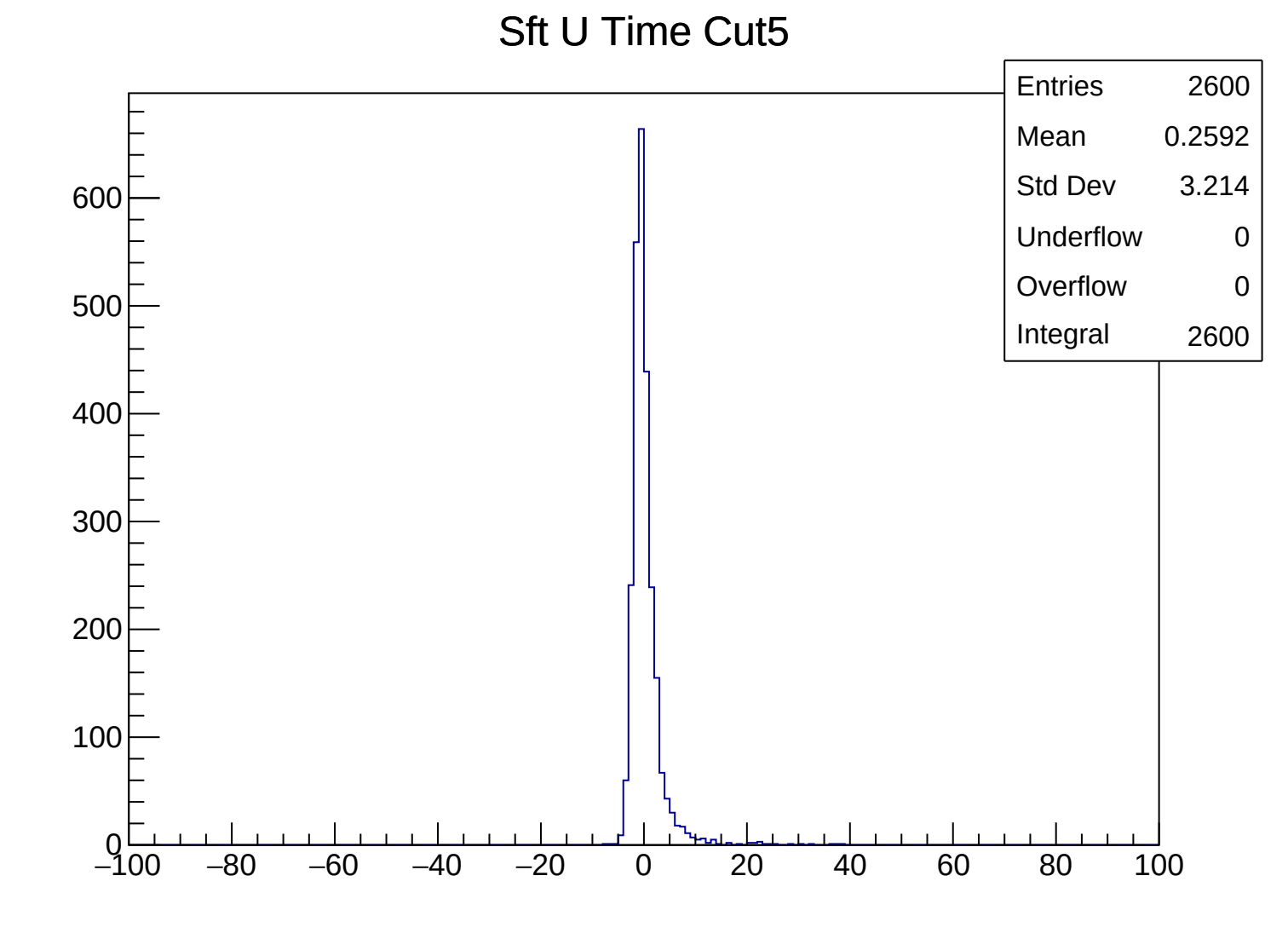

Sch Hitpat Cut5
Entries 2600
Mean 24.35
Std Dev 11.74
Underflow 0
Overflow 0
Integral 2600
220
200
180
160
140
120
100
80
60
40
20
0
0
10
20
30
40
50
60

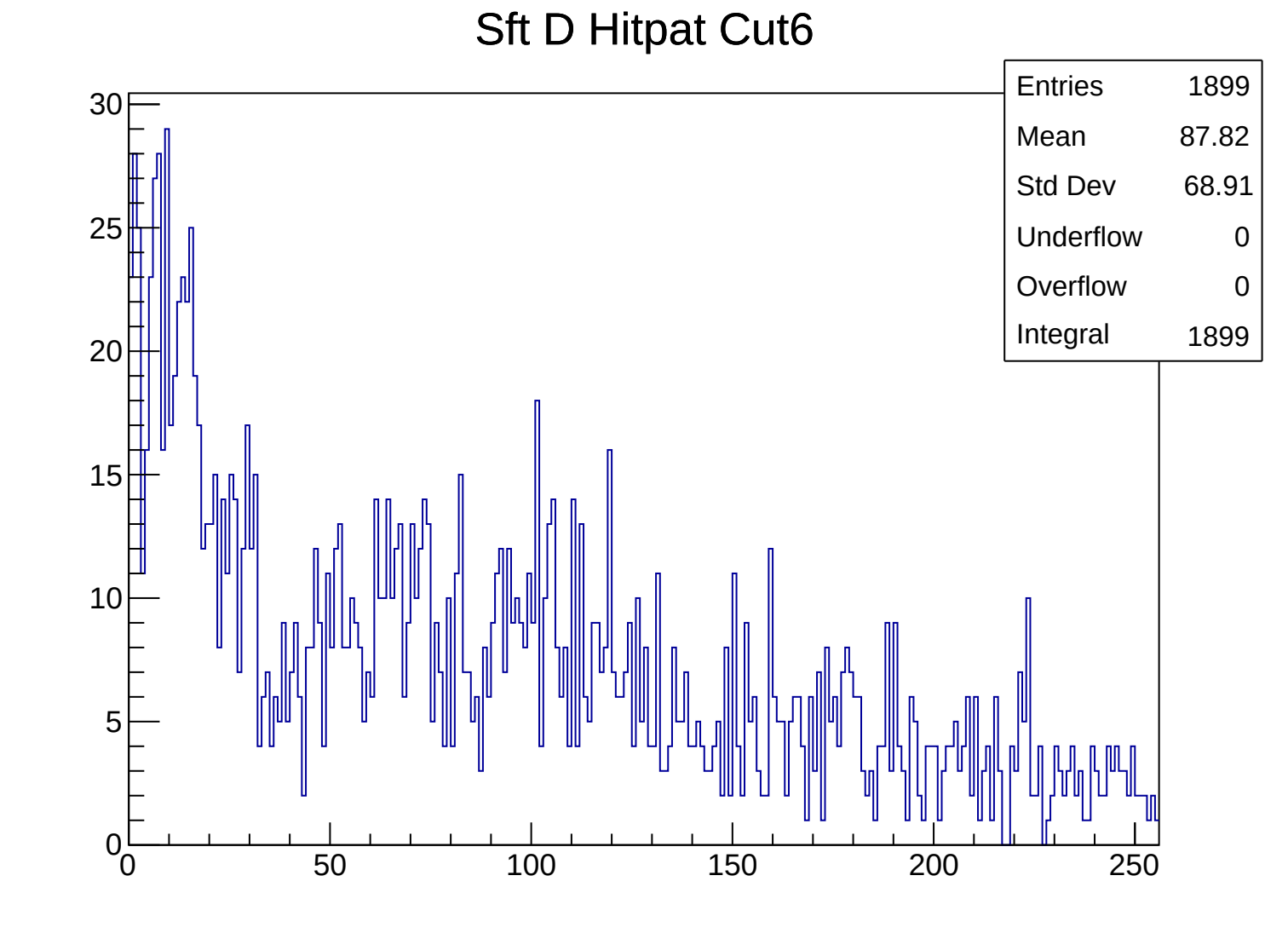

Sch Time Cut5
Entries 2600
Mean –0.2353
Std Dev 2.347
Underflow 0
Overflow 0
Integral 2600
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

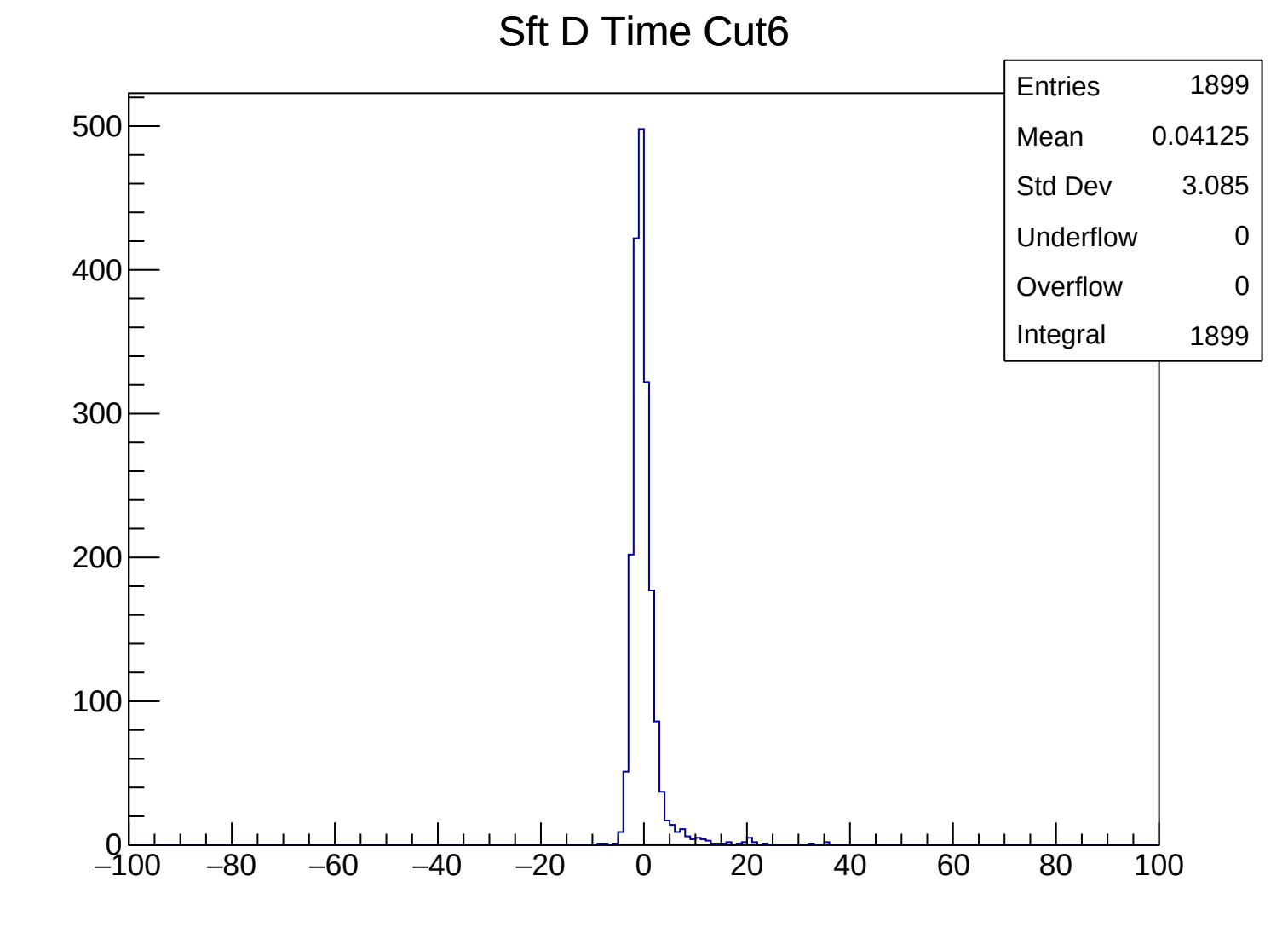

Sch Hitpat Cut6
Entries 1899
Mean 26.07
Std Dev 12.31
Underflow 0
Overflow 0
Integral 1899
160
140
120
100
80
60
40
20
0
0
10
20
30
40
50
60

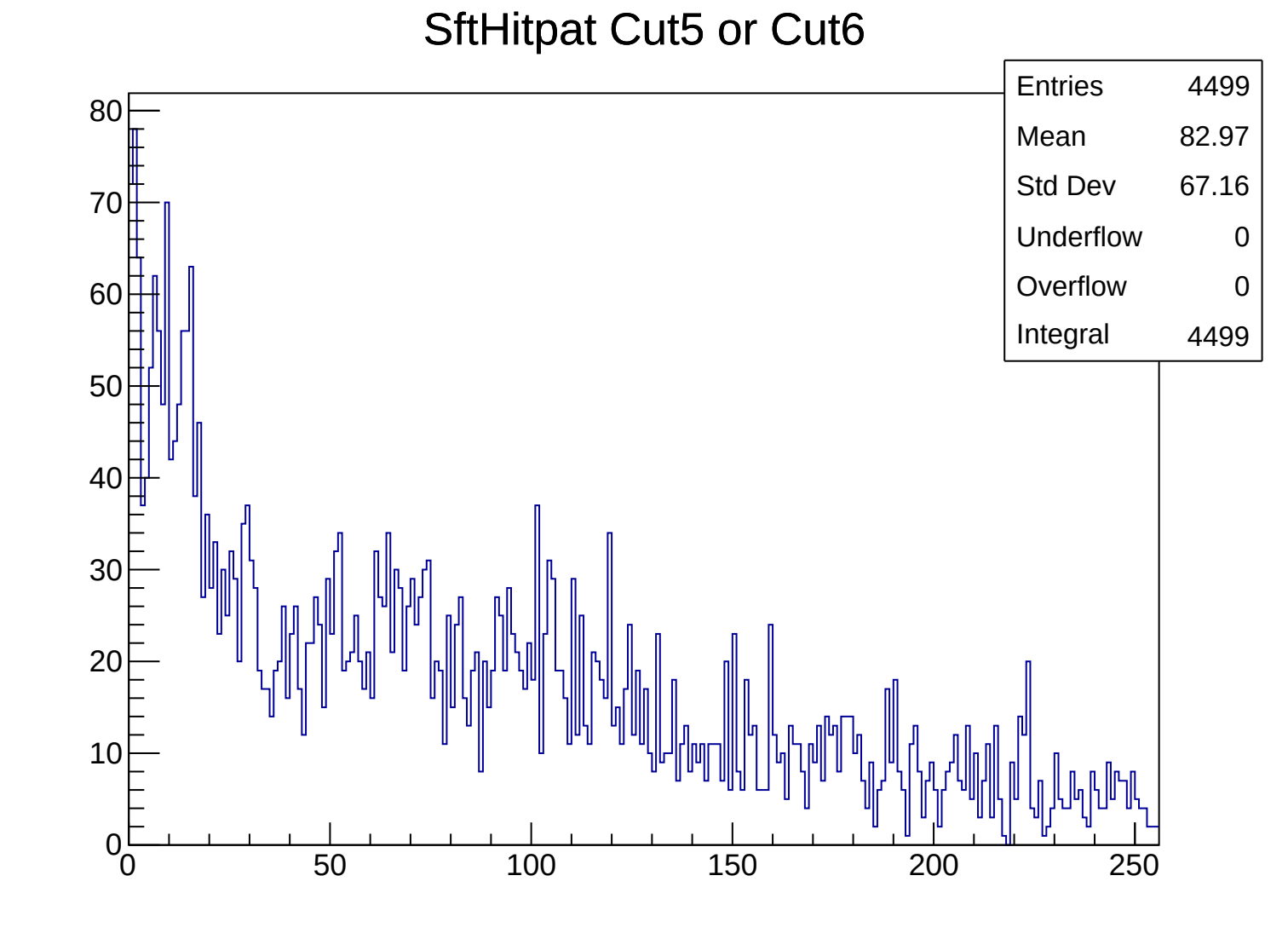

Sch Time Cut6
Entries 1899
Mean −0.2241
Std Dev 2.425
Underflow 0
Overflow 0
Integral 1899
900
800
700
600
500
400
300
200
100
0
−100
−80
−60
−40
−20
0
20
40
60
80
100

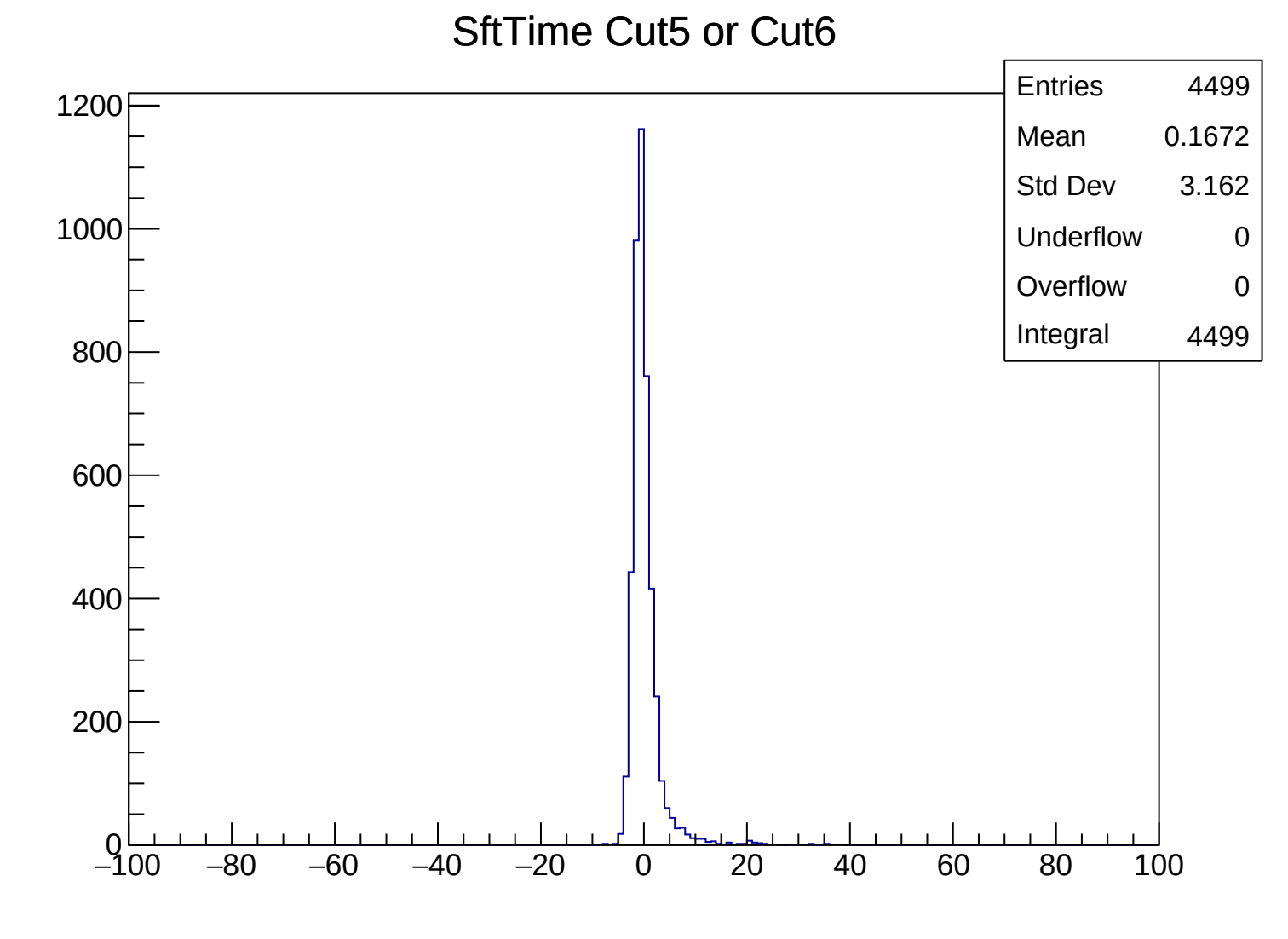

Sft U Hitpat Cut5
Entries 2600
Mean 79.43
Std Dev 65.63
Underflow 0
Overflow 0
Integral 2600
0
10
20
30
40
50
0
50
100
150
200
250


Sft U Time Cut5
Entries 2600
Mean 0.2592
Std Dev 3.214
Underflow 0
Overflow 0
Integral 2600
600
500
400
300
200
100
0
–100
–80
–60
–40
–20
0
20
40
60
80
100


Sft D Hitpat Cut6
Entries 1899
Mean 87.82
Std Dev 68.91
Underflow 0
Overflow 0
Integral 1899
30
25
20
15
10
5
0
0
50
100
150
200
250


Sft D Time Cut6
Entries 1899
Mean 0.04125
Std Dev 3.085
Underflow 0
Overflow 0
Integral 1899
500
400
300
200
100
0
–100
–80
–60
–40
–20
0
20
40
60
80
100


SftHitpat Cut5 or Cut6
Entries 4499
Mean 82.97
Std Dev 67.16
Underflow 0
Overflow 0
Integral 4499
0
10
20
30
40
50
60
70
80
0
50
100
150
200
250


SftTime Cut5 or Cut6
Entries 4499
Mean 0.1672
Std Dev 3.162
Underflow 0
Overflow 0
Integral 4499
1200
1000
800
600
400
200
0
–100
–80
–60
–40
–20
0
20
40
60
80
100