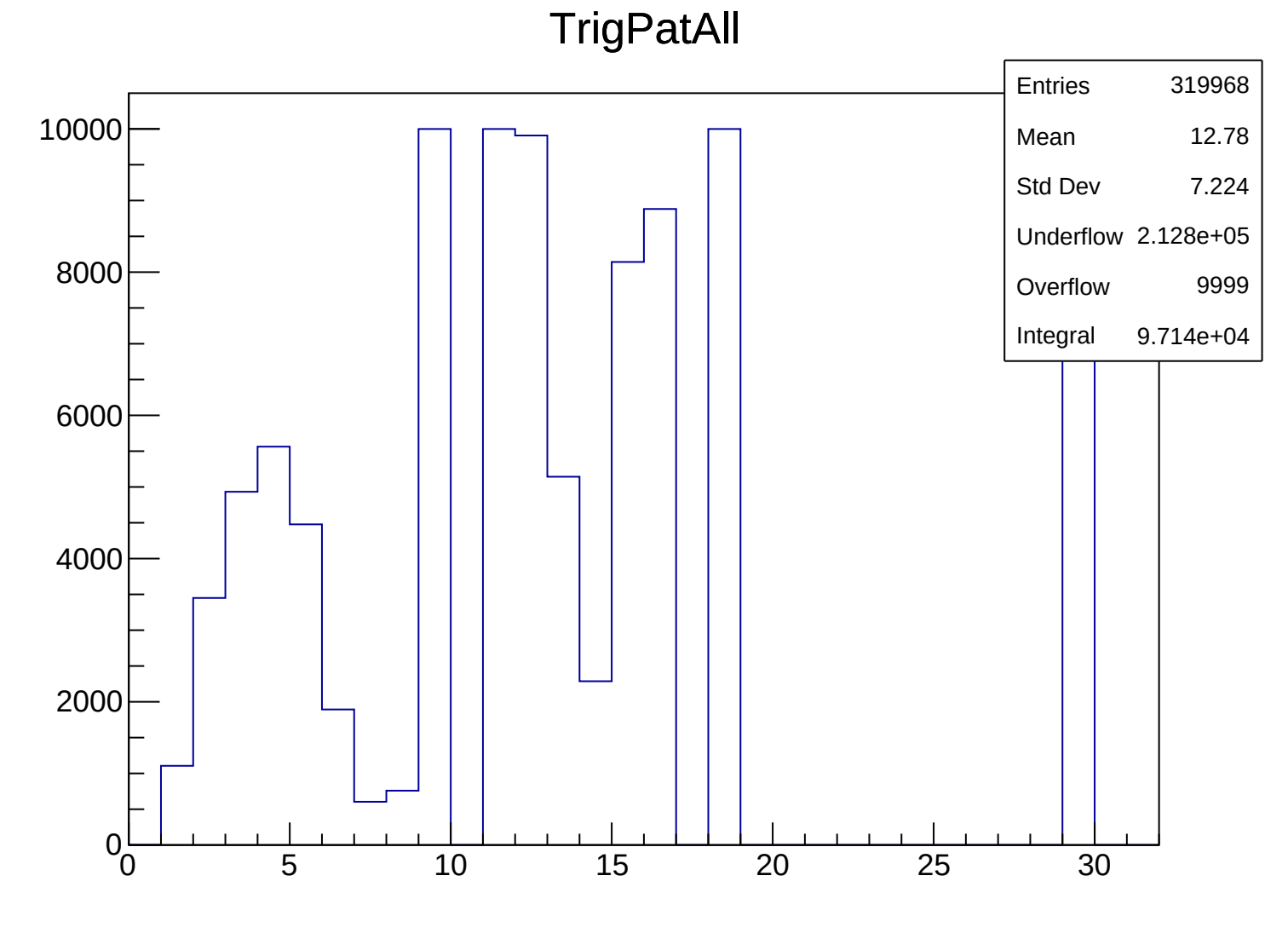
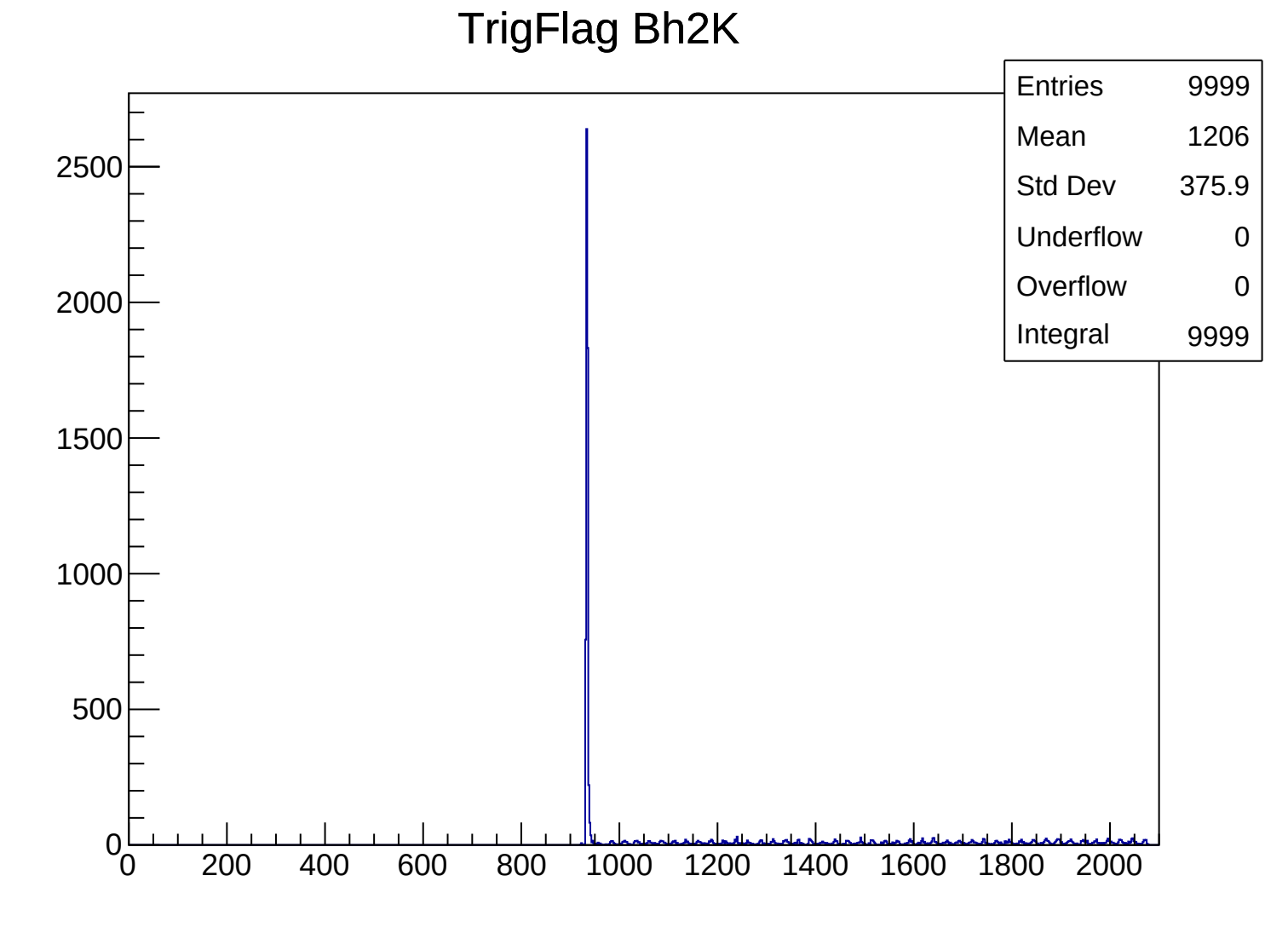
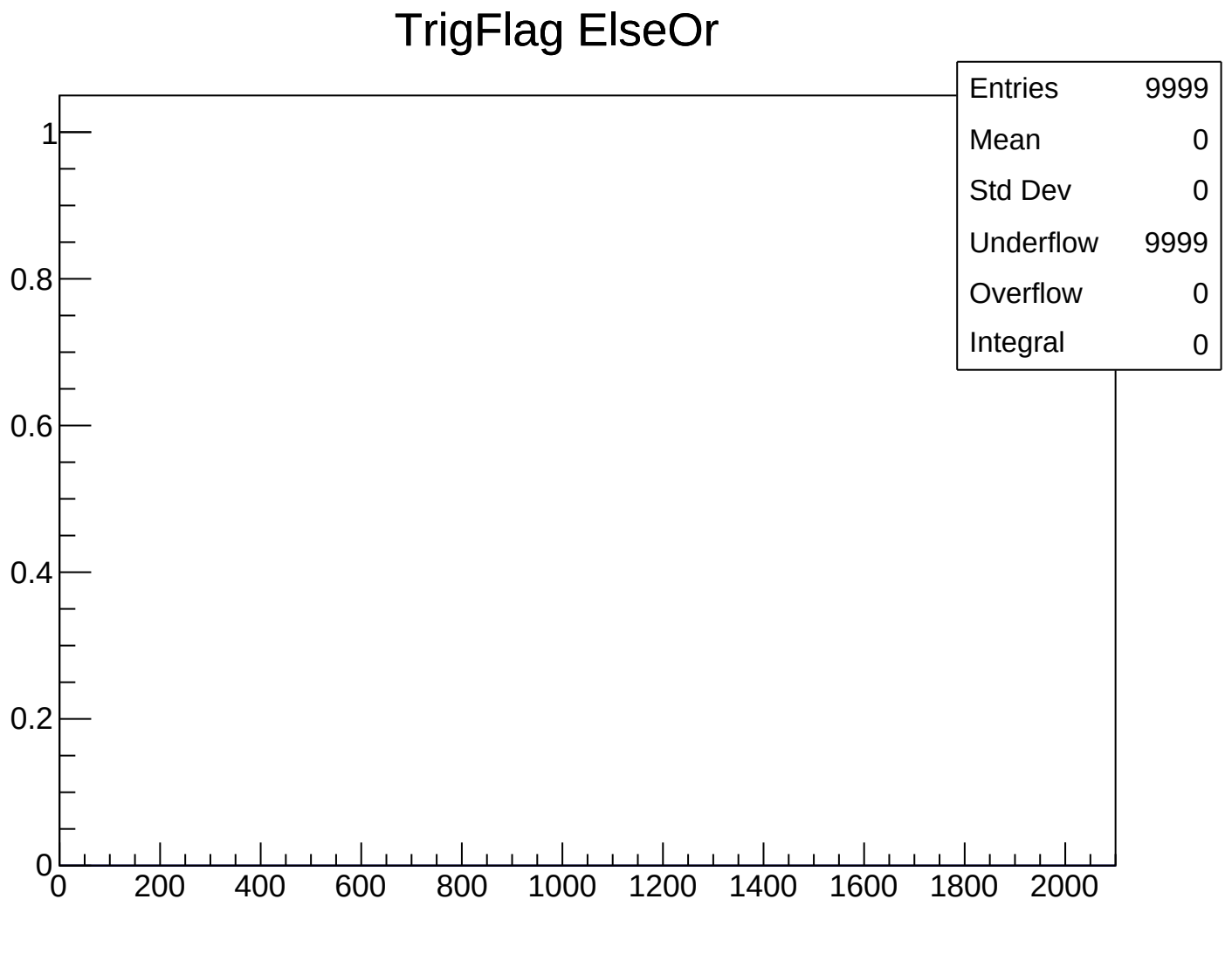
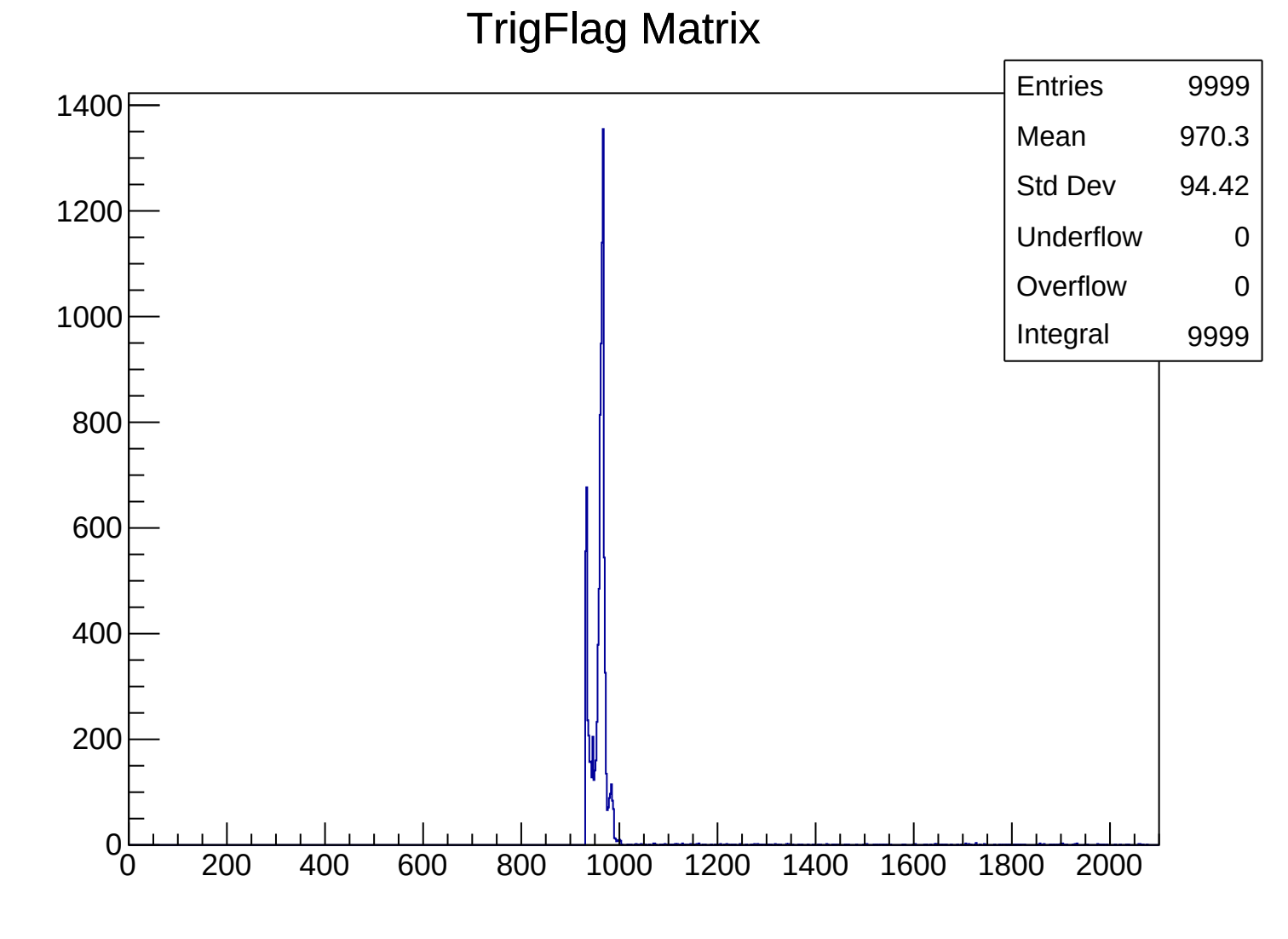
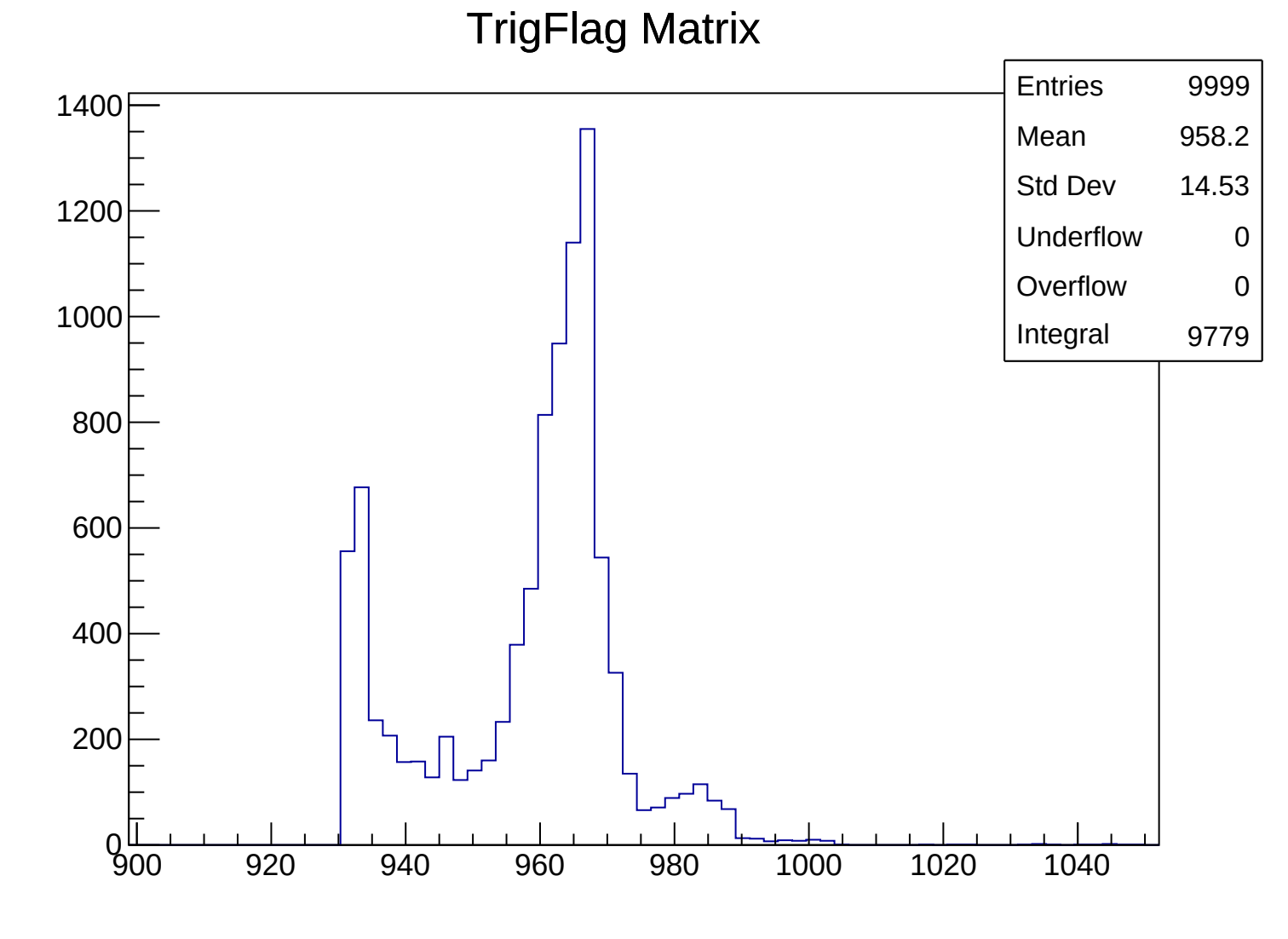
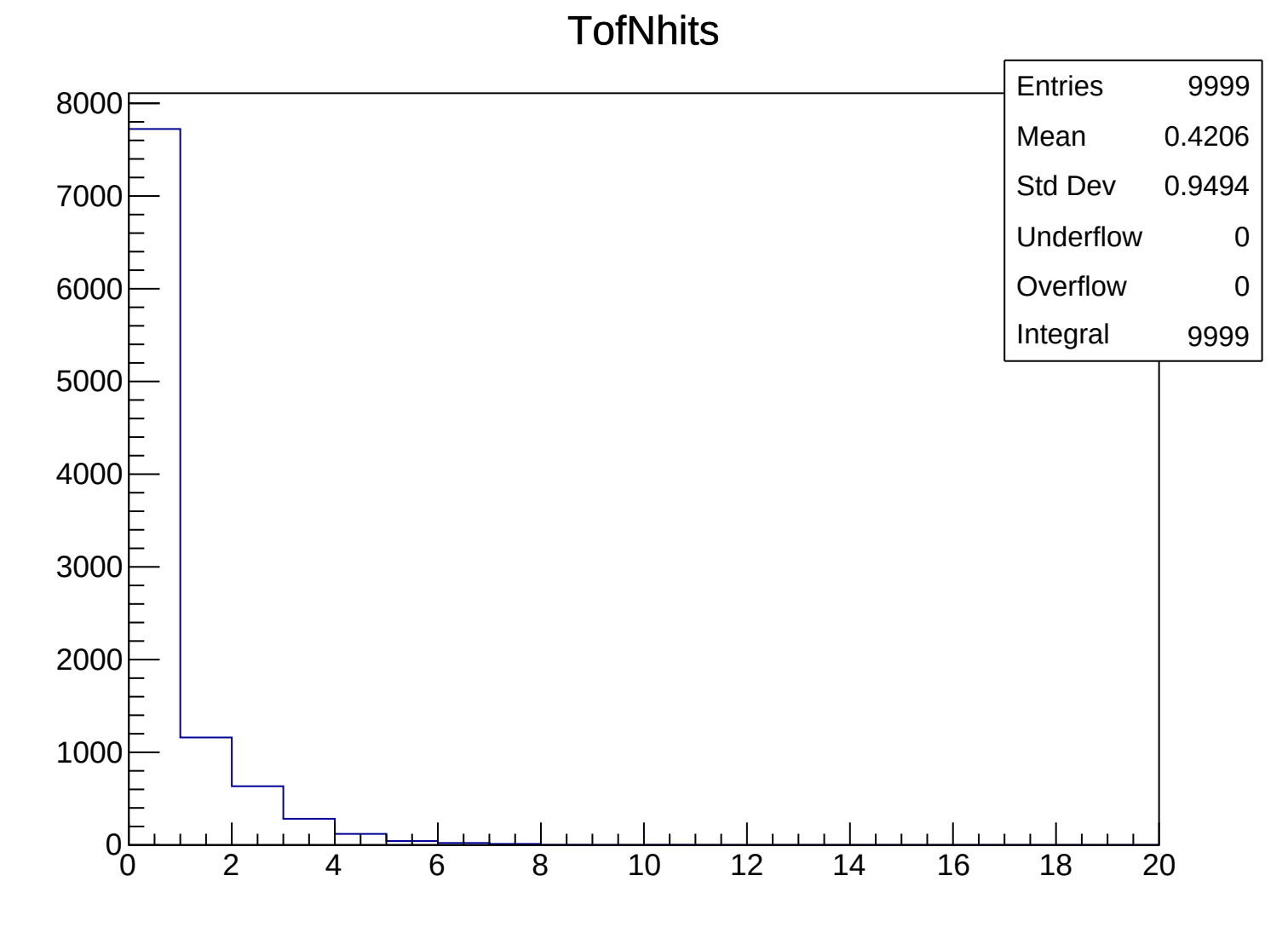

TrigPatAll
Entries 319968
Mean 12.78
Std Dev 7.224
Underflow 2.128e+05
Overflow 9999
Integral 9.714e+04
10000
8000
6000
4000
2000
0
0
5
10
15
20
25
30

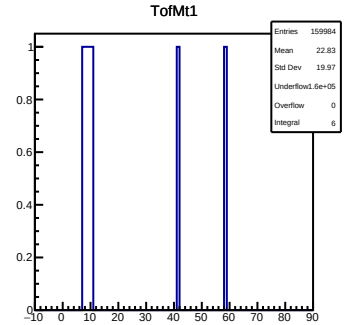

TrigFlag Bh2K
Entries 9999
Mean 1206
Std Dev 375.9
Underflow 0
Overflow 0
Integral 9999
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

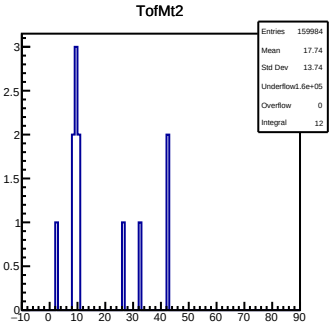

TrigFlag ElseOr
Entries 9999
Mean 0
Std Dev 0
Underflow 9999
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

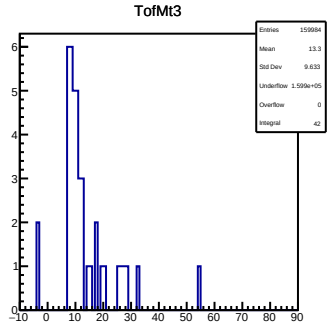

TrigFlag Matrix
Entries 9999
Mean 970.3
Std Dev 94.42
Underflow 0
Overflow 0
Integral 9999
1400
1200
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

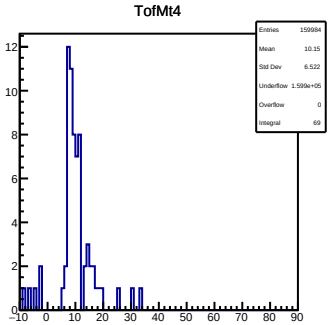

TrigFlag Matrix
Entries 9999
Mean 958.2
Std Dev 14.53
Underflow 0
Overflow 0
Integral 9779
1400
1200
1000
800
600
400
200
0
900
920
940
960
980
1000
1020
1040

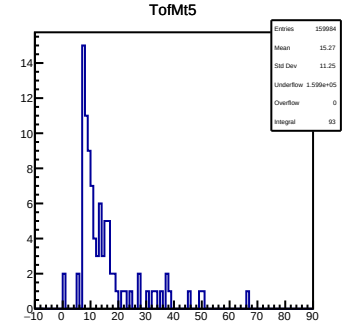

TofNhits
Entries 9999
Mean 0.4206
Std Dev 0.9494
Underflow 0
Overflow 0
Integral 9999
8000
7000
6000
5000
4000
3000
2000
1000
0
0
2
4
6
8
10
12
14
16
18
20

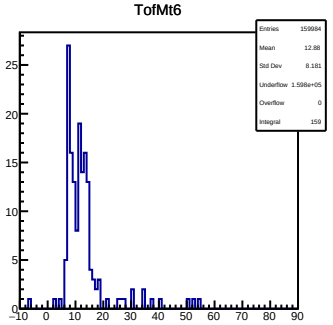

TofMt1
Entries 159984
Mean 22.83
Std Dev 19.97
Underflow 1.6e+05
Overflow 0
Integral 6

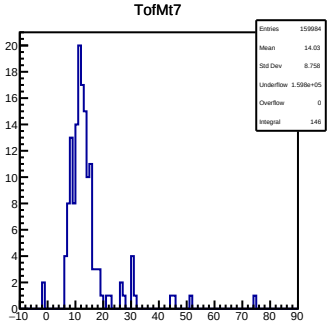

TofMt2
Entries 159984
Mean 17.74
Std Dev 13.74
Underflow 1.6e+05
Overflow 0
Integral 12

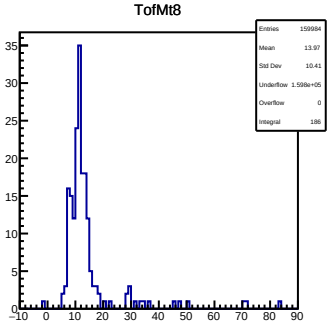

TofMt3
Entries 159984
Mean 13.3
Std Dev 9.633
Underflow 1.599e+05
Overflow 0
Integral 42

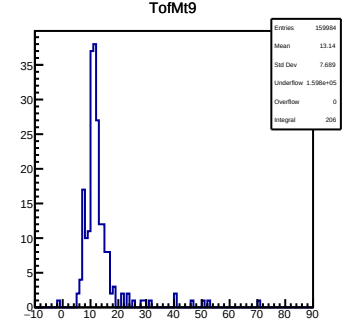

TofMt4
Entries 159984
Mean 10.15
Std Dev 6.522
Underflow 1.599e+05
Overflow 0
Integral 69

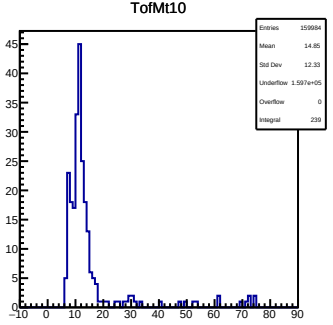

TofMt5
Entries 159984
Mean 15.27
Std Dev 11.25
Underflow 1.599e+05
Overflow 0
Integral 93

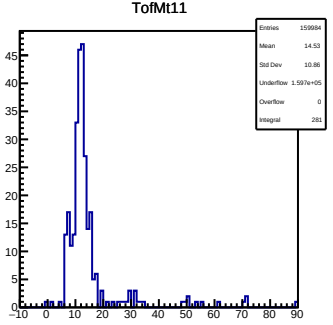

TofMt6
Entries 159984
Mean 12.88
Std Dev 8.181
Underflow 1.598e+05
Overflow 0
Integral 159

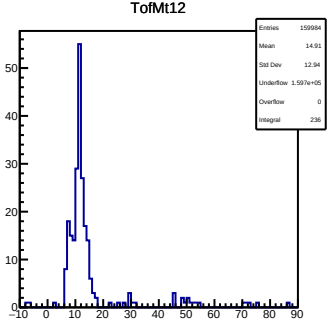

TofMt7
Entries 159984
Mean 14.03
Std Dev 8.758
Underflow 1.598e+05
Overflow 0
Integral 146

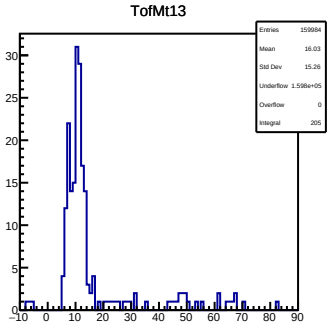

TofMt8
Entries 159984
Mean 13.97
Std Dev 10.41
Underflow 1.598e+05
Overflow 0
Integral 186

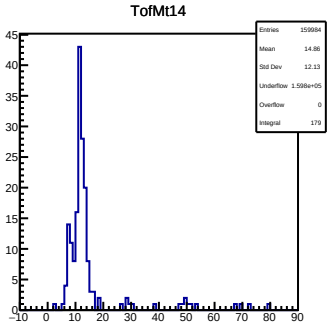

TofMt9
Entries 159984
Mean 13.14
Std Dev 7.689
Underflow 1.598e+05
Overflow 0
Integral 206

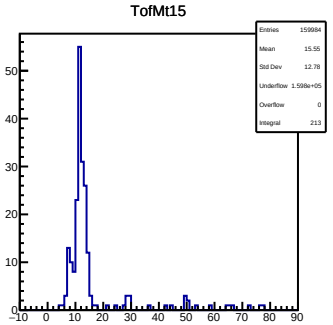

TofMt10
Entries 159984
Mean 14.85
Std Dev 12.33
Underflow 1.597e+05
Overflow 0
Integral 239

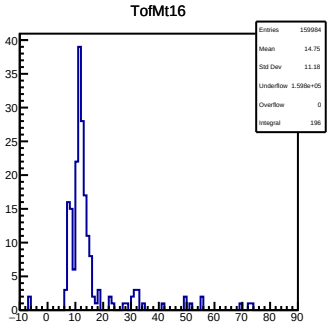

TofMt11
Entries 159984
Mean 14.53
Std Dev 10.86
Underflow 1.597e+05
Overflow 0
Integral 281

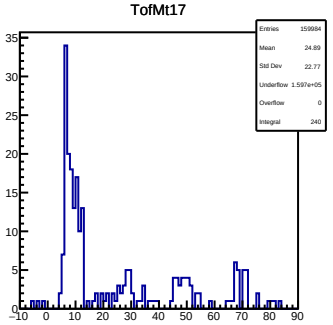

TofMt12
Entries 159984
Mean 14.91
Std Dev 12.94
Underflow 1.597e+05
Overflow 0
Integral 236

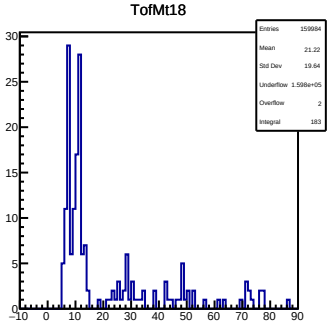

TofMt13
Entries 159984
Mean 16.03
Std Dev 15.26
Underflow 1.598e+05
Overflow 0
Integral 205

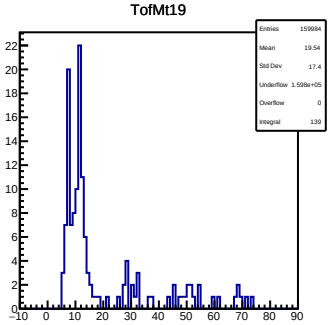

TofMt14
Entries 159984
Mean 14.86
Std Dev 12.13
Underflow 1.598e+05
Overflow 0
Integral 179

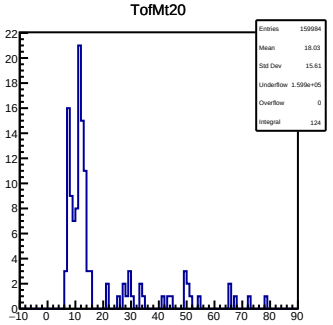

TofMt15
Entries 159984
Mean 15.55
Std Dev 12.78
Underflow 1.598e+05
Overflow 0
Integral 213

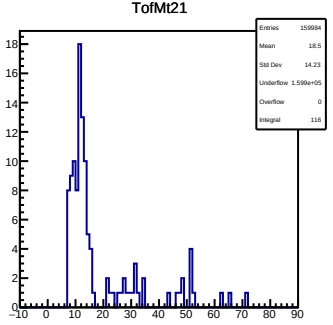

TofMt16
Entries 159984
Mean 14.75
Std Dev 11.18
Underflow 1.598e+05
Overflow 0
Integral 196

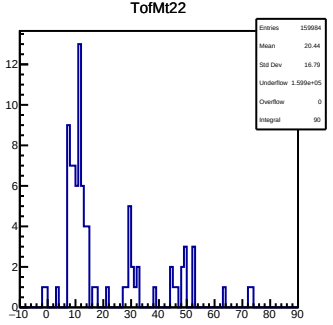

TofMt17
Entries 159984
Mean 24.89
Std Dev 22.77
Underflow 1.597e+05
Overflow 0
Integral 240

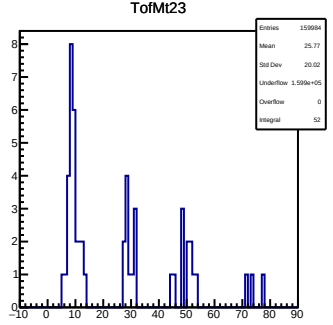

TofMt18
Entries 159984
Mean 21.22
Std Dev 19.64
Underflow 1.598e+05
Overflow 2
Integral 183

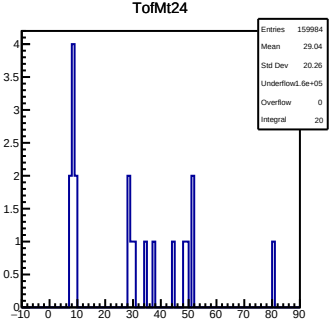

TofMt19
Entries 159984
Mean 19.54
Std Dev 17.4
Underflow 1.598e+05
Overflow 0
Integral 139

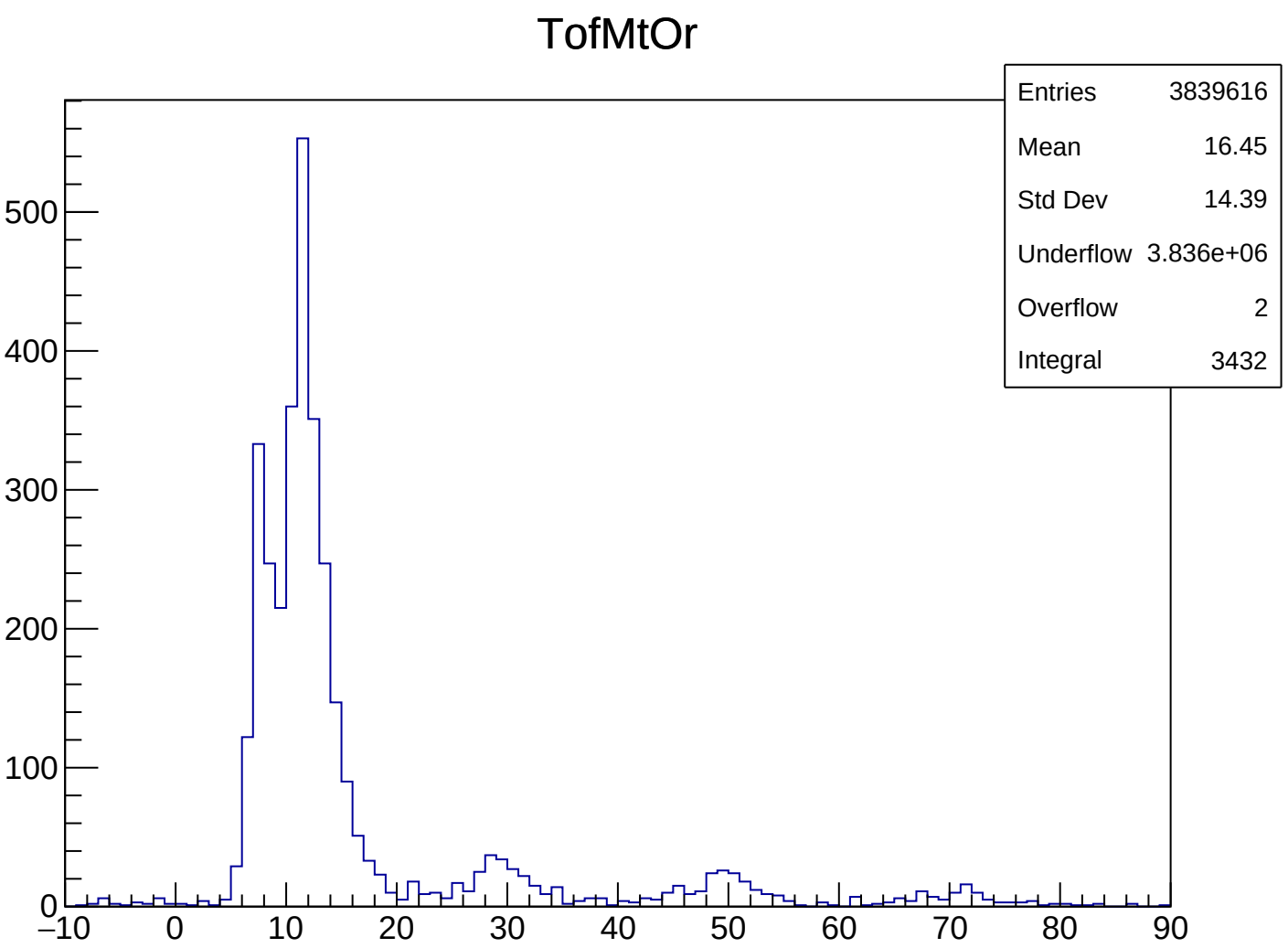

TofMt20
Entries 159984
Mean 18.03
Std Dev 15.61
Underflow 1.599e+05
Overflow 0
Integral 124

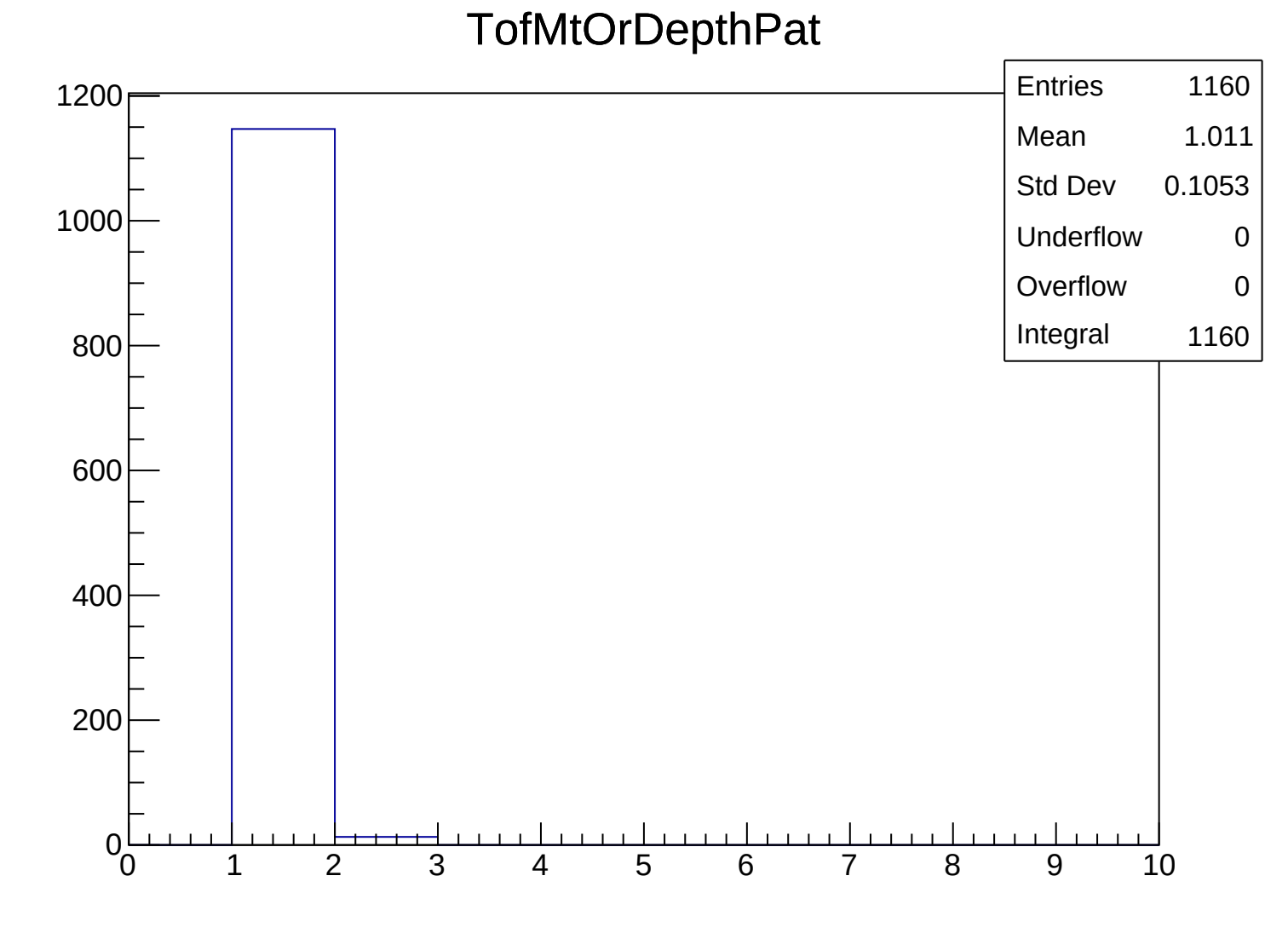

TofMt21
Entries 159984
Mean 18.5
Std Dev 14.23
Underflow 1.599e+05
Overflow 0
Integral 116

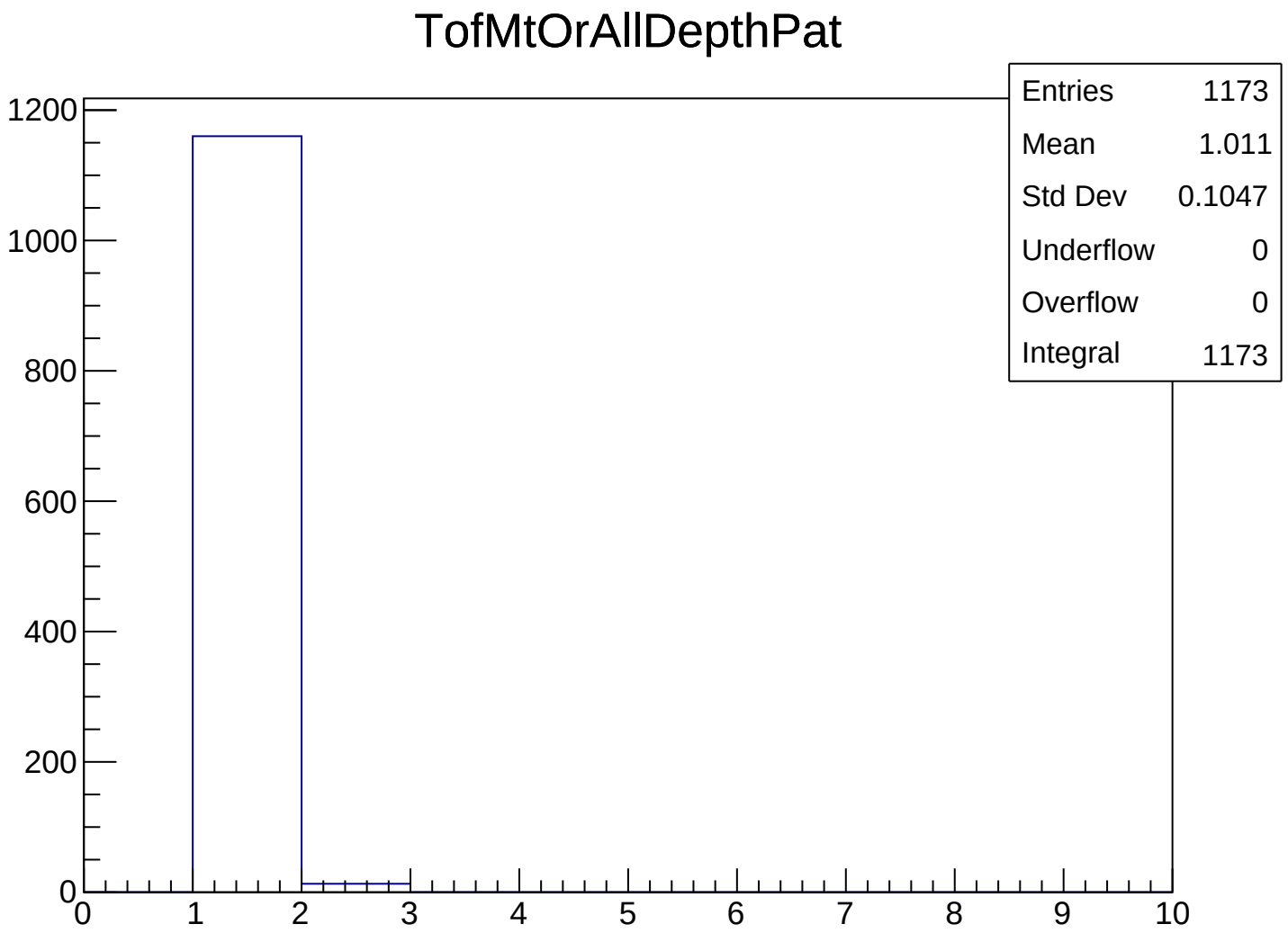

TofMt22
Entries 159984
Mean 20.44
Std Dev 16.79
Underflow 1.599e+05
Overflow 0
Integral 90

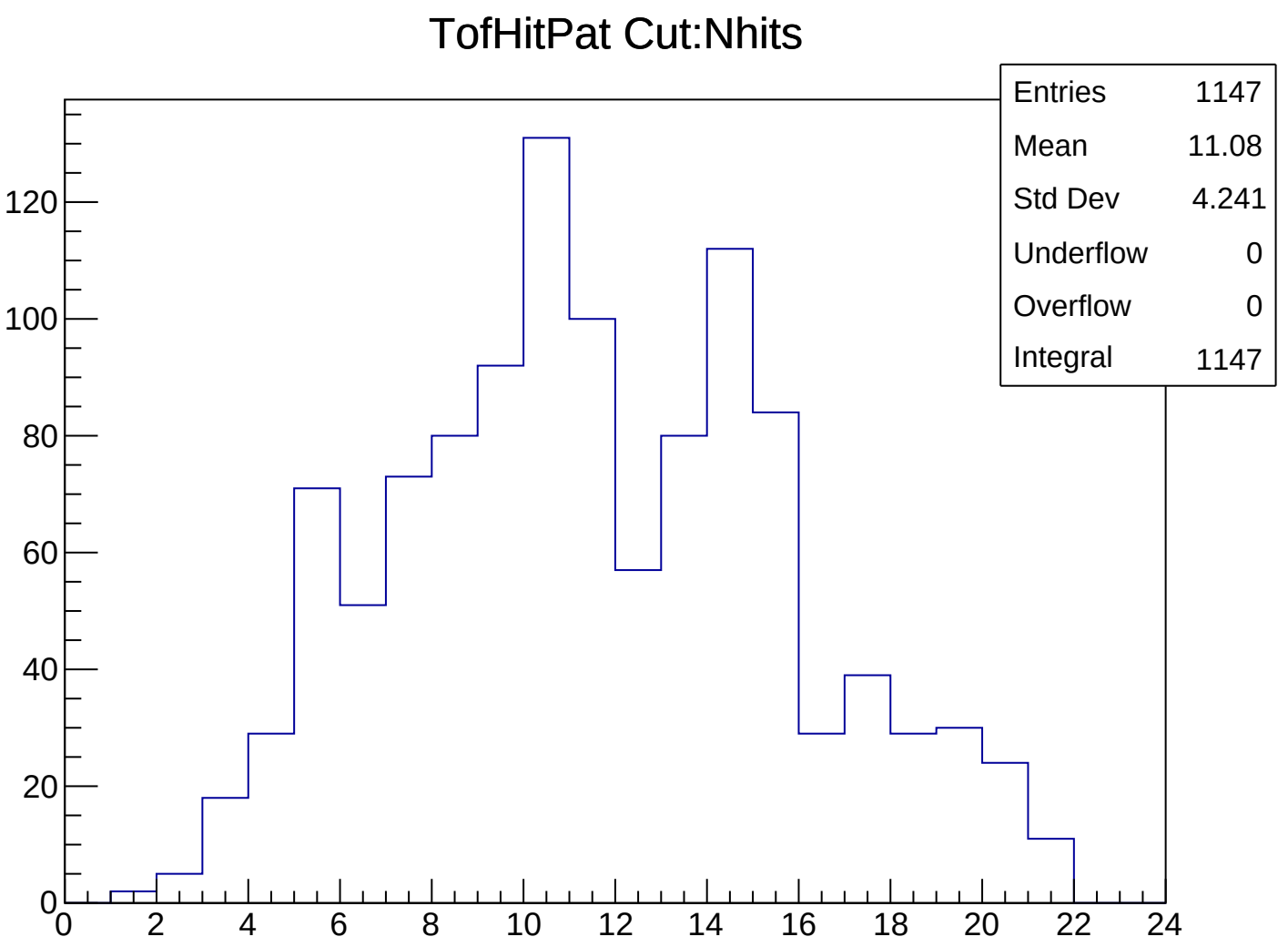

TofMt23
Entries 159984
Mean 25.77
Std Dev 20.02
Underflow 1.599e+05
Overflow 0
Integral 52

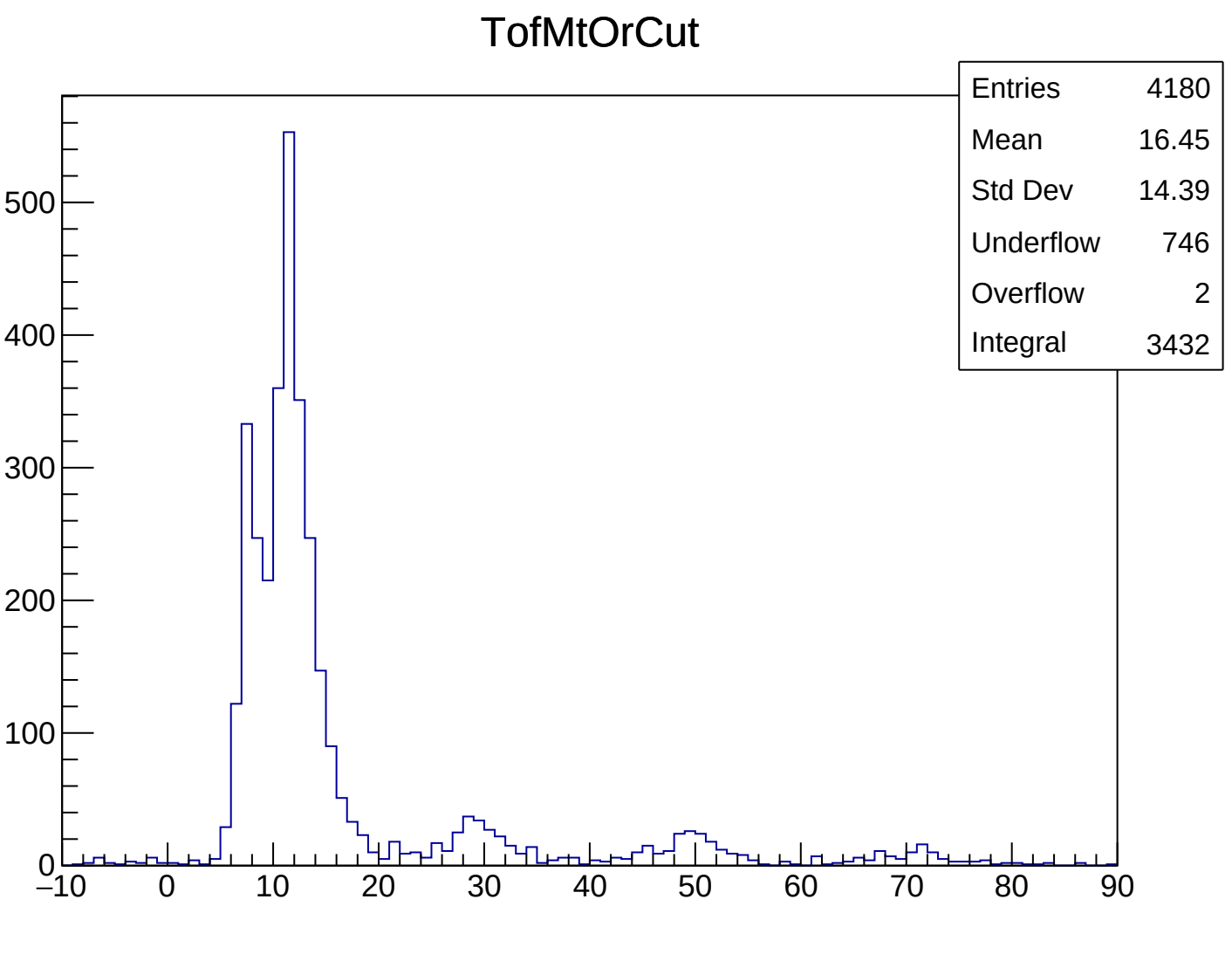

TofMt24
Entries 159984
Mean 29.04
Std Dev 20.26
Underflow1.6e+05
Overflow 0
Integral 20

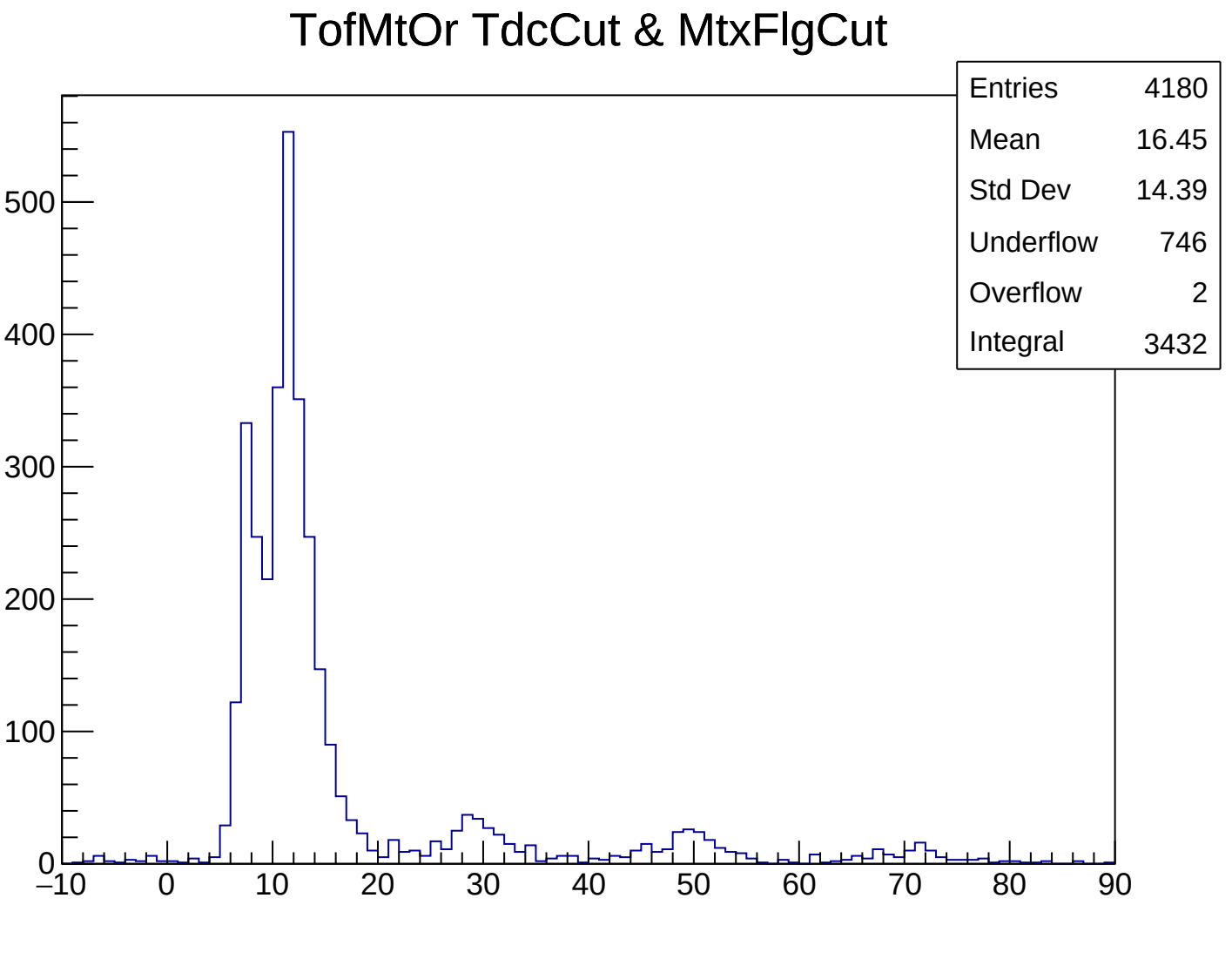

TofMtOr
Entries 3839616
Mean 16.45
Std Dev 14.39
Underflow 3.836e+06
Overflow 2
Integral 3432
500
400
300
200
100
0
−10
0
10
20
30
40
50
60
70
80
90

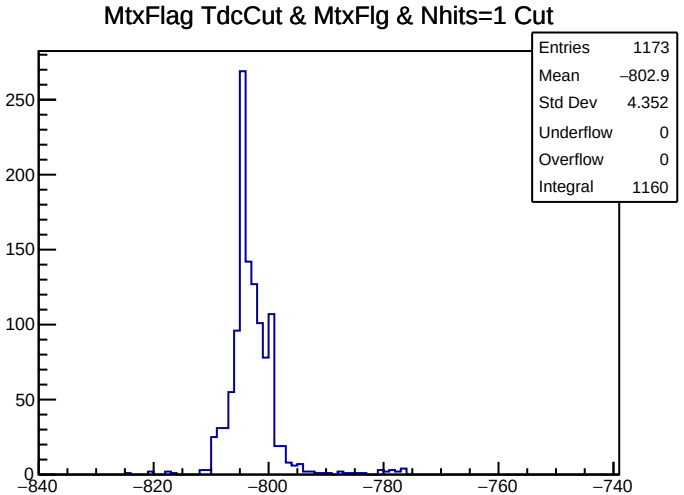

TofMtOrDepthPat
Entries 1160
Mean 1.011
Std Dev 0.1053
Underflow 0
Overflow 0
Integral 1160
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
7
8
9
10

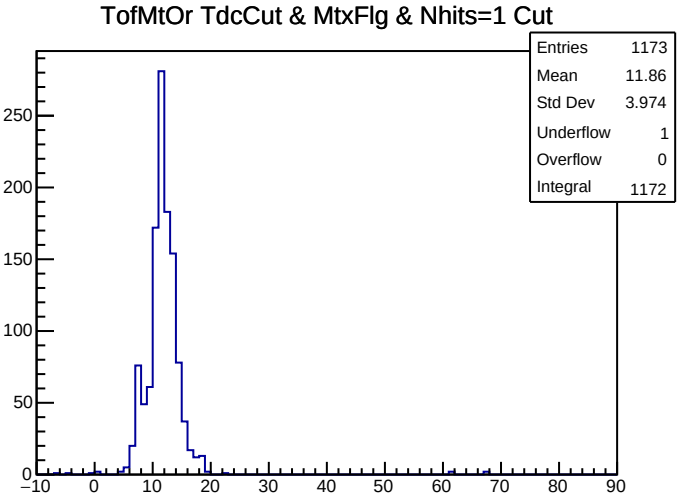

TofMtOrAllDepthPat
Entries 1173
Mean 1.011
Std Dev 0.1047
Underflow 0
Overflow 0
Integral 1173
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
7
8
9
10

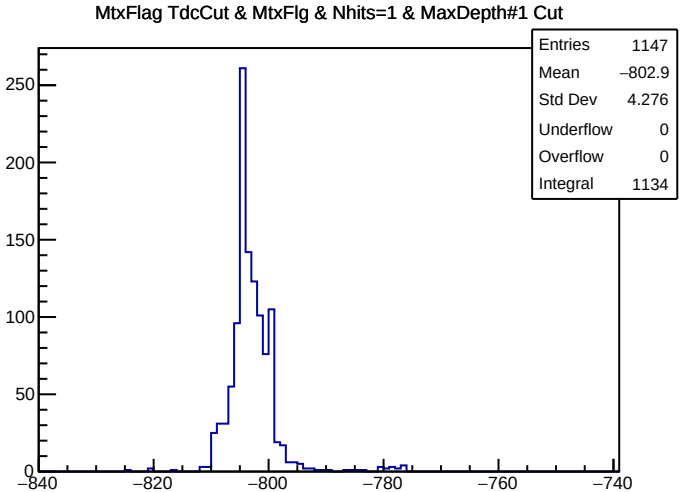

TofHitPat Cut:Nhits
Entries 1147
Mean 11.08
Std Dev 4.241
Underflow 0
Overflow 0
Integral 1147
0
20
40
60
80
100
120
0
2
4
6
8
10
12
14
16
18
20
22
24

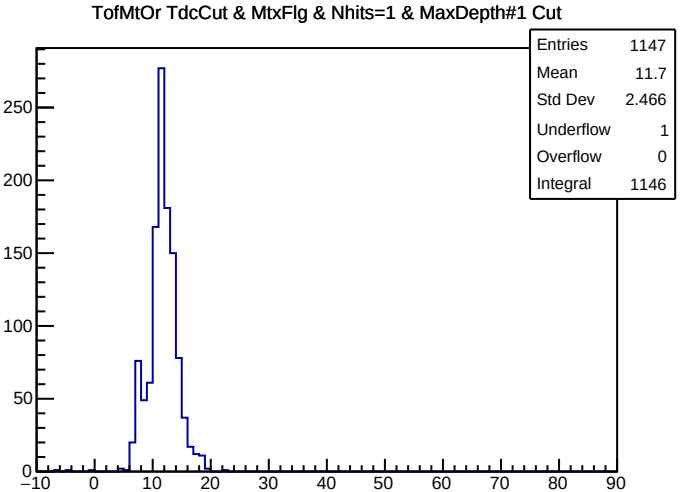

TofMtOrCut
Entries 4180
Mean 16.45
Std Dev 14.39
Underflow 746
Overflow 2
Integral 3432
500
400
300
200
100
0
−10
0
10
20
30
40
50
60
70
80
90

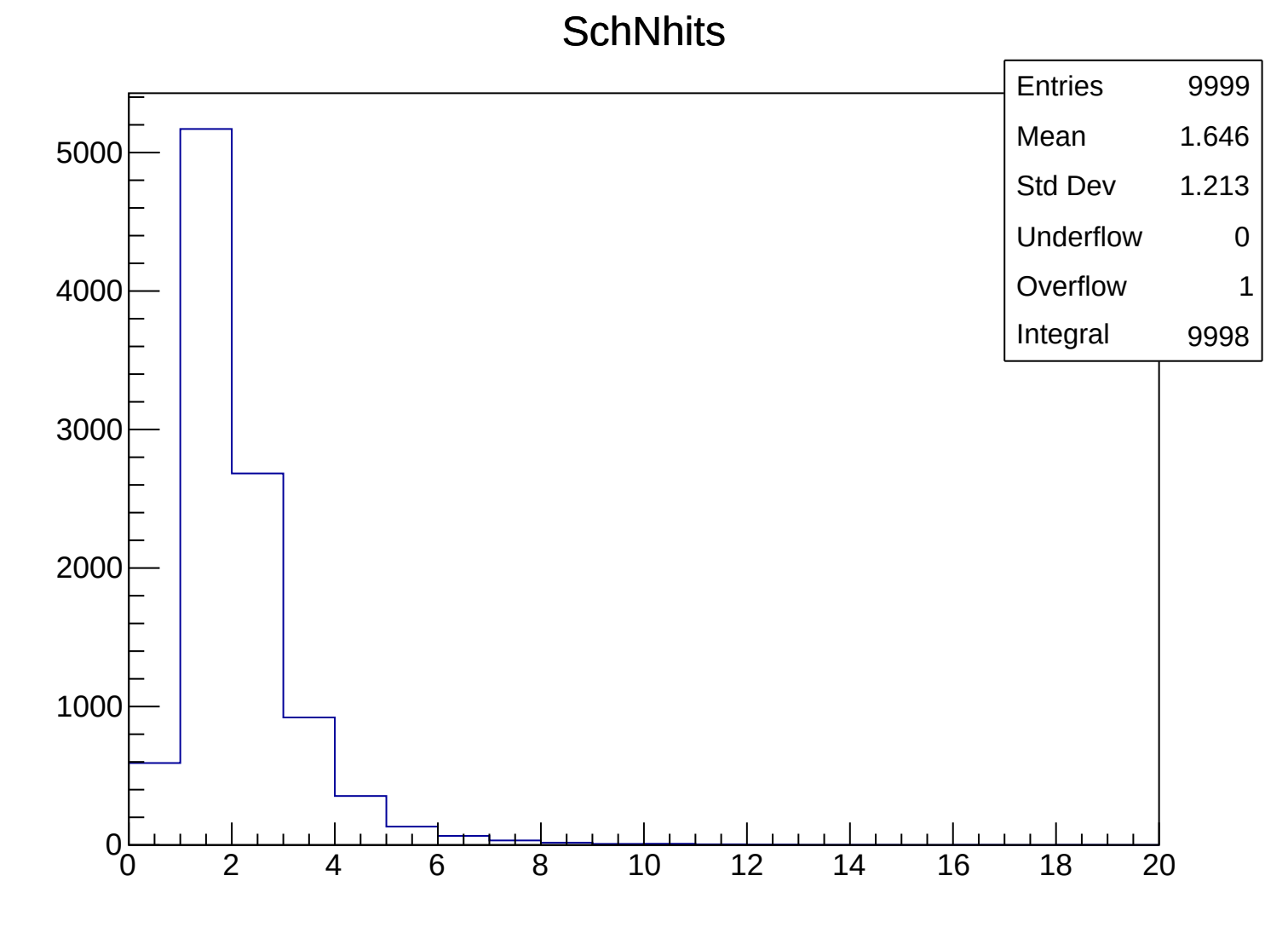

TofMtOr TdcCut & MtxFlgCut
Entries 4180
Mean 16.45
Std Dev 14.39
Underflow 746
Overflow 2
Integral 3432
500
400
300
200
100
0
−10
0
10
20
30
40
50
60
70
80
90

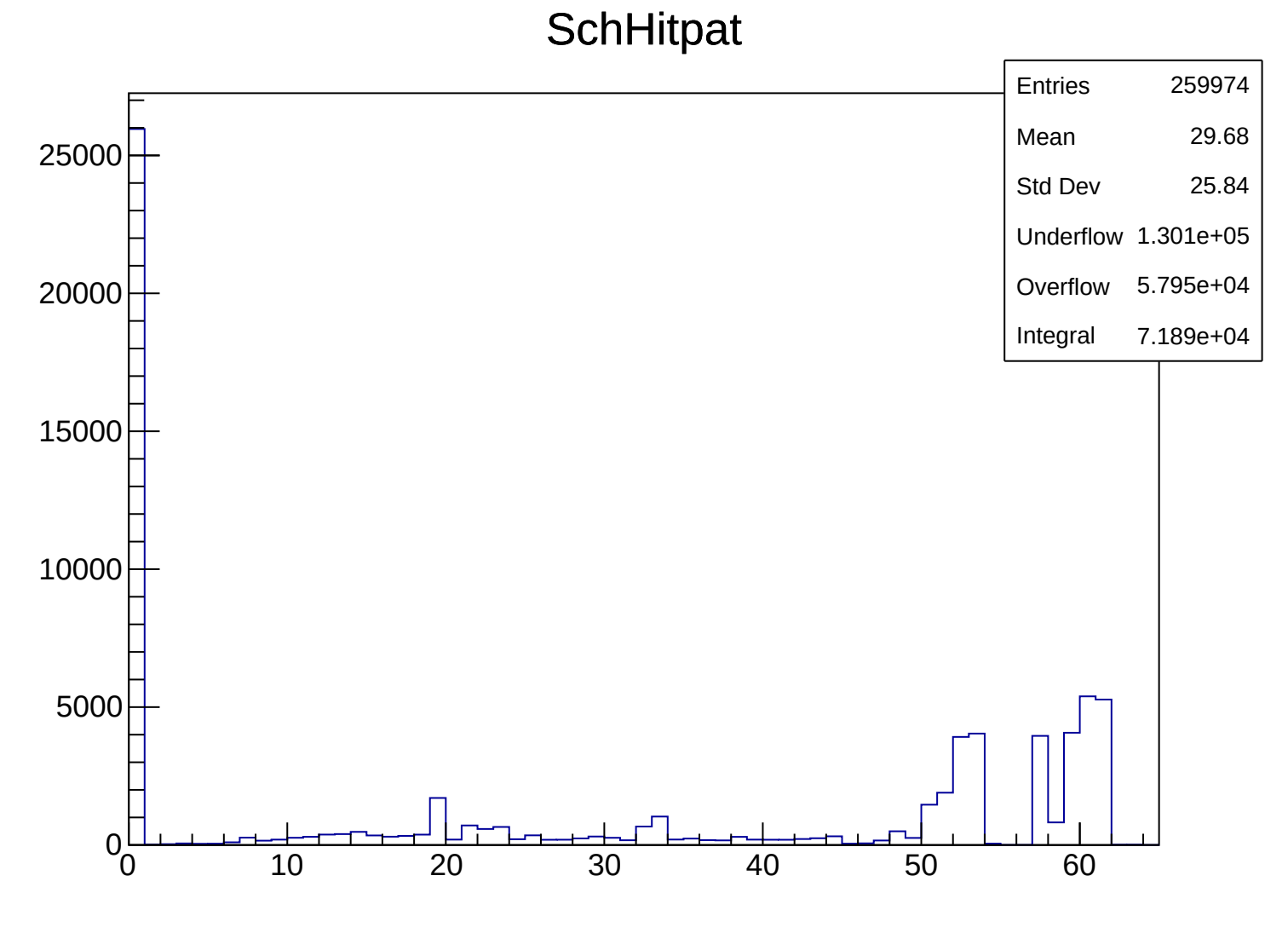

MtxFlag TdcCut & MtxFlg & Nhits=1 Cut
Entries 1173
Mean −802.9
Std Dev 4.352
Underflow 0
Overflow 0
Integral 1160
250
200
150
100
50
0
−840
−820
−800
−780
−760
−740

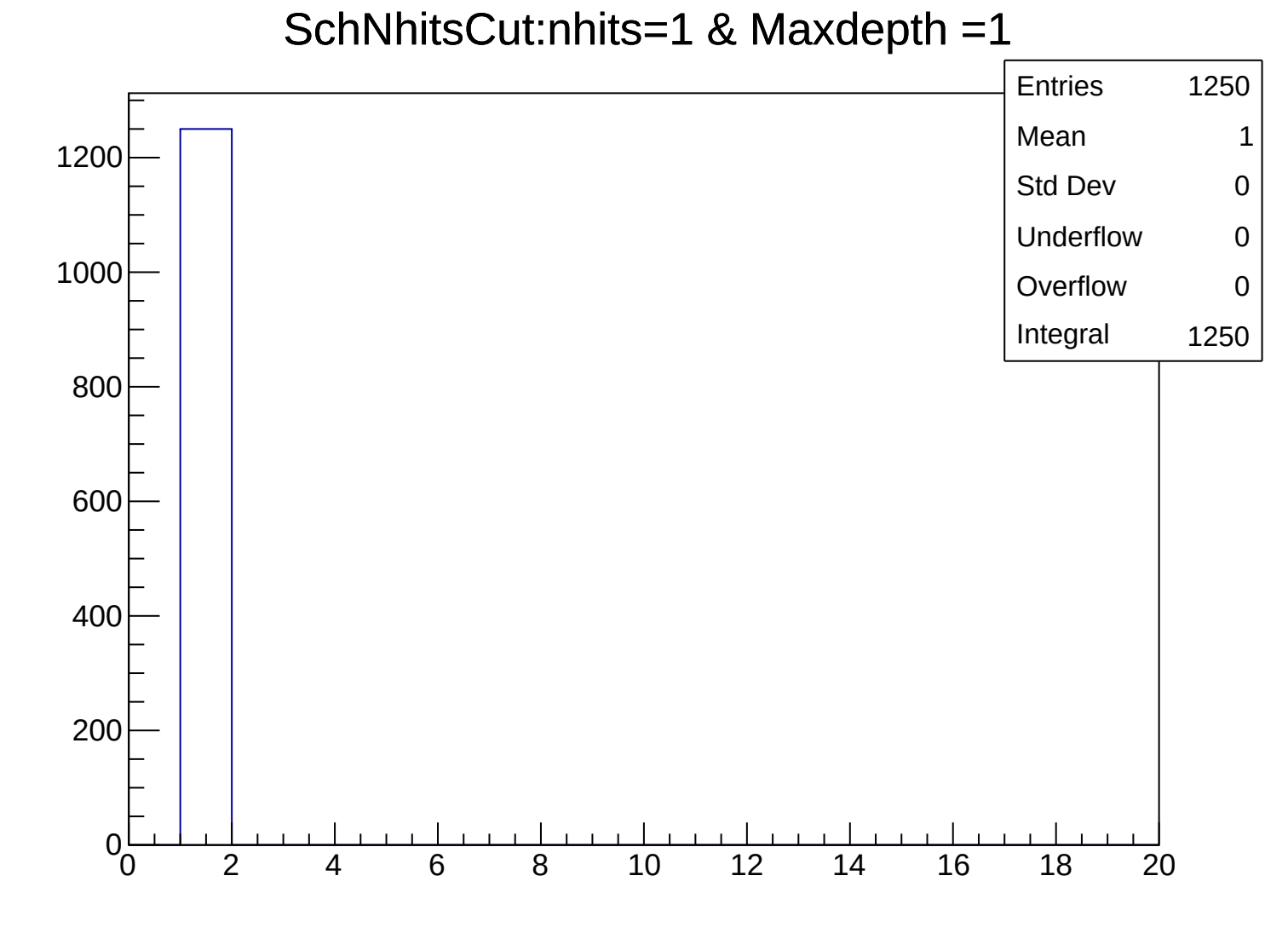

TofMtOr TdcCut & MtxFlg & Nhits=1 Cut
Entries 1173
Mean 11.86
Std Dev 3.974
Underflow 1
Overflow 0
Integral 1172
250
200
150
100
50
0
−10
0
10
20
30
40
50
60
70
80
90

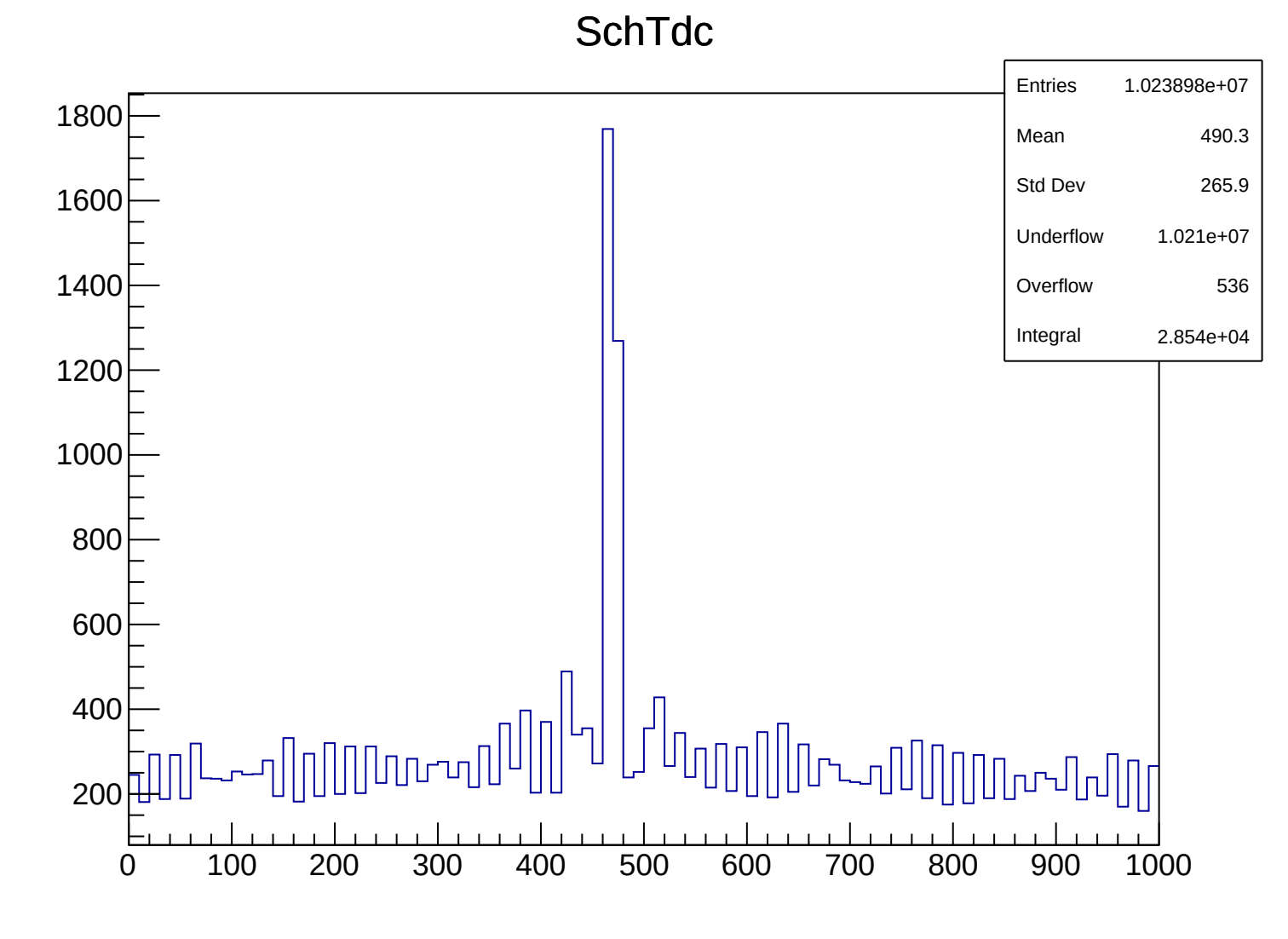

MtxFlag TdcCut & MtxFlg & Nhits=1 & MaxDepth#1 Cut
Entries 1147
Mean −802.9
Std Dev 4.276
Underflow 0
Overflow 0
Integral 1134
250
200
150
100
50
0
−840
−820
−800
−780
−760
−740

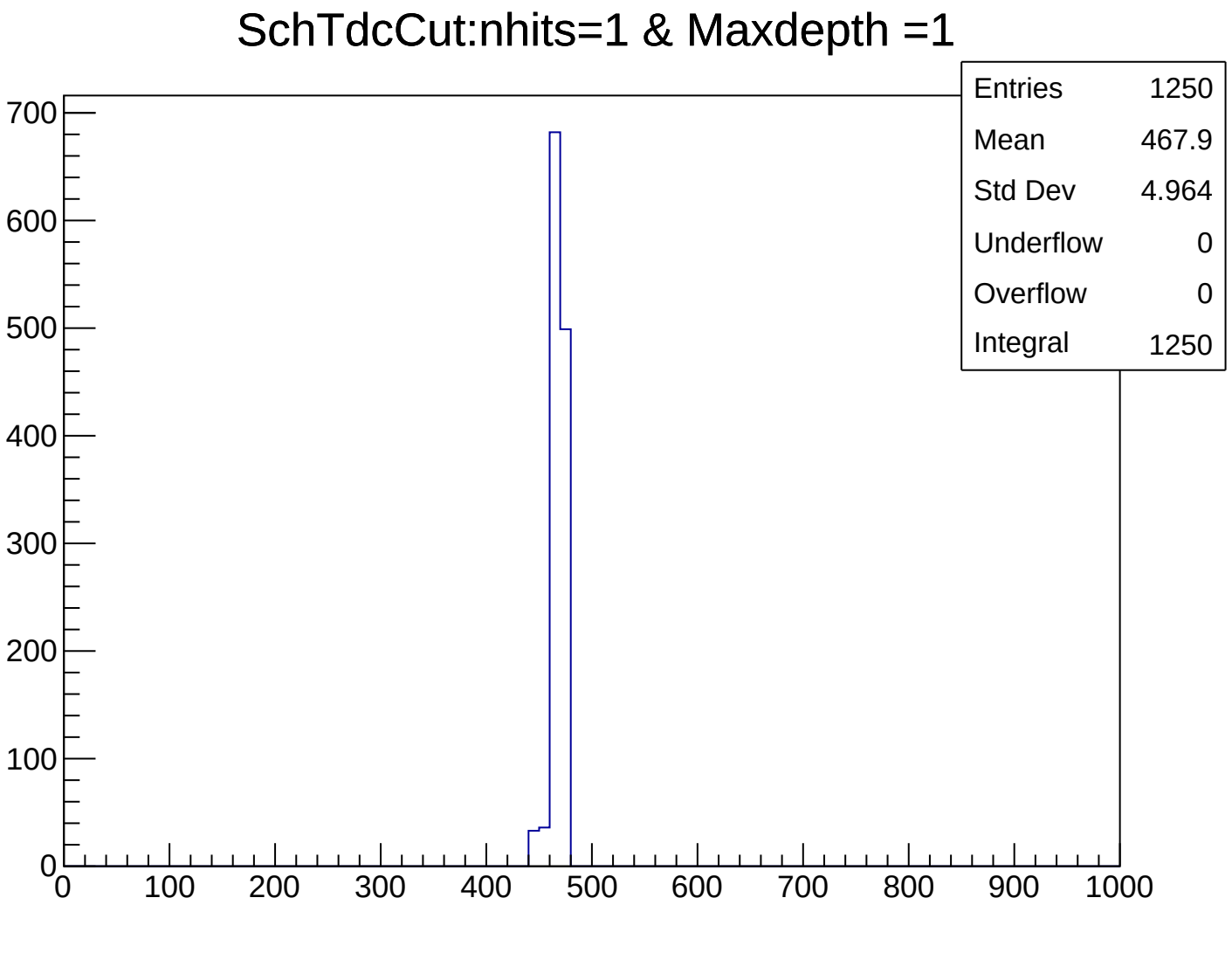

TofMtOr TdcCut & MtxFlg & Nhits=1 & MaxDepth#1 Cut
Entries 1147
Mean 11.7
Std Dev 2.466
Underflow 1
Overflow 0
Integral 1146
250
200
150
100
50
0
−10
0
10
20
30
40
50
60
70
80
90

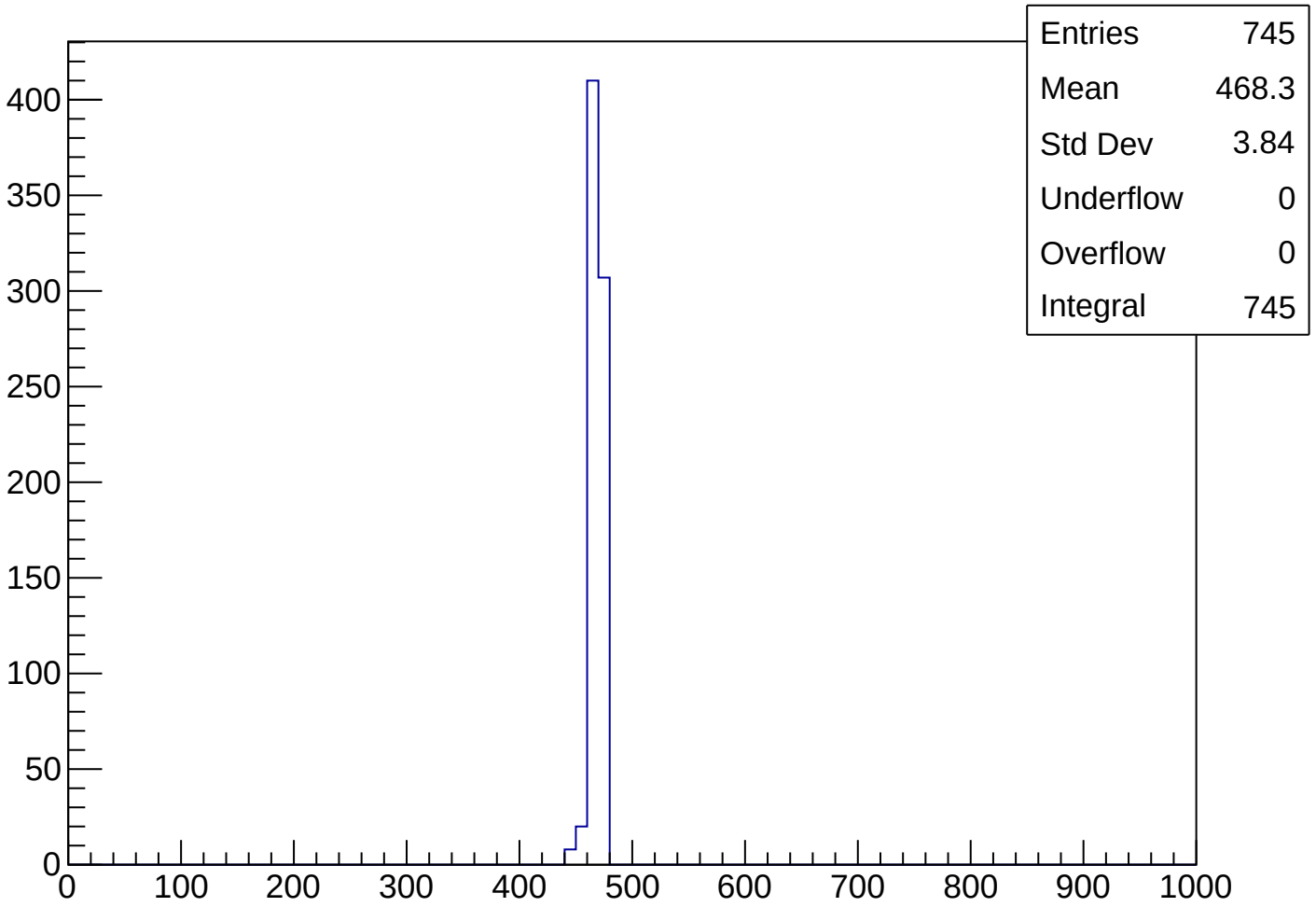

SchNhits
Entries 9999
Mean 1.646
Std Dev 1.213
Underflow 0
Overflow 1
Integral 9998
5000
4000
3000
2000
1000
0
0
2
4
6
8
10
12
14
16
18
20

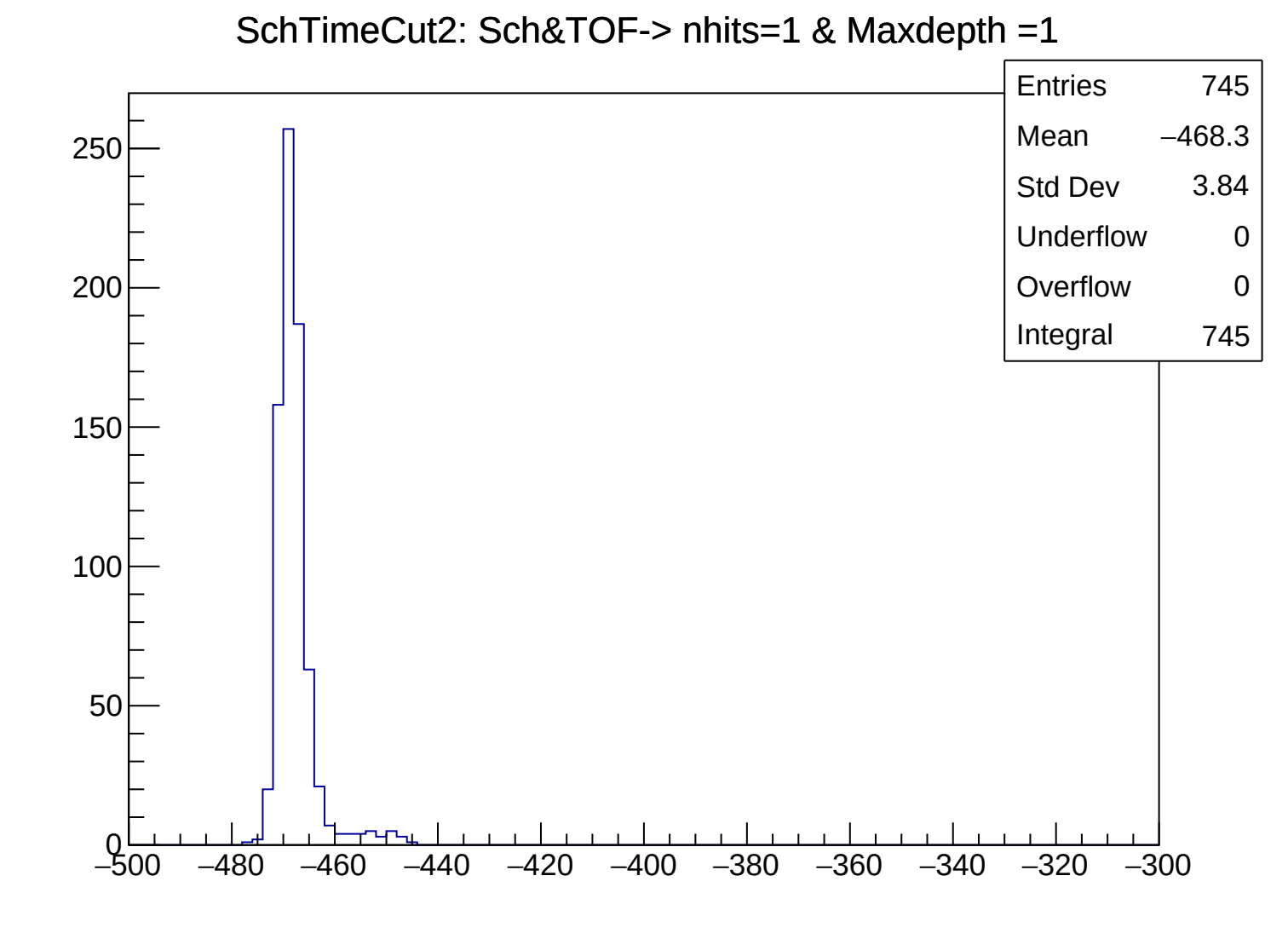

SchHitpat
Entries 259974
Mean 29.68
Std Dev 25.84
Underflow 1.301e+05
Overflow 5.795e+04
Integral 7.189e+04
25000
20000
15000
10000
5000
0
0
10
20
30
40
50
60

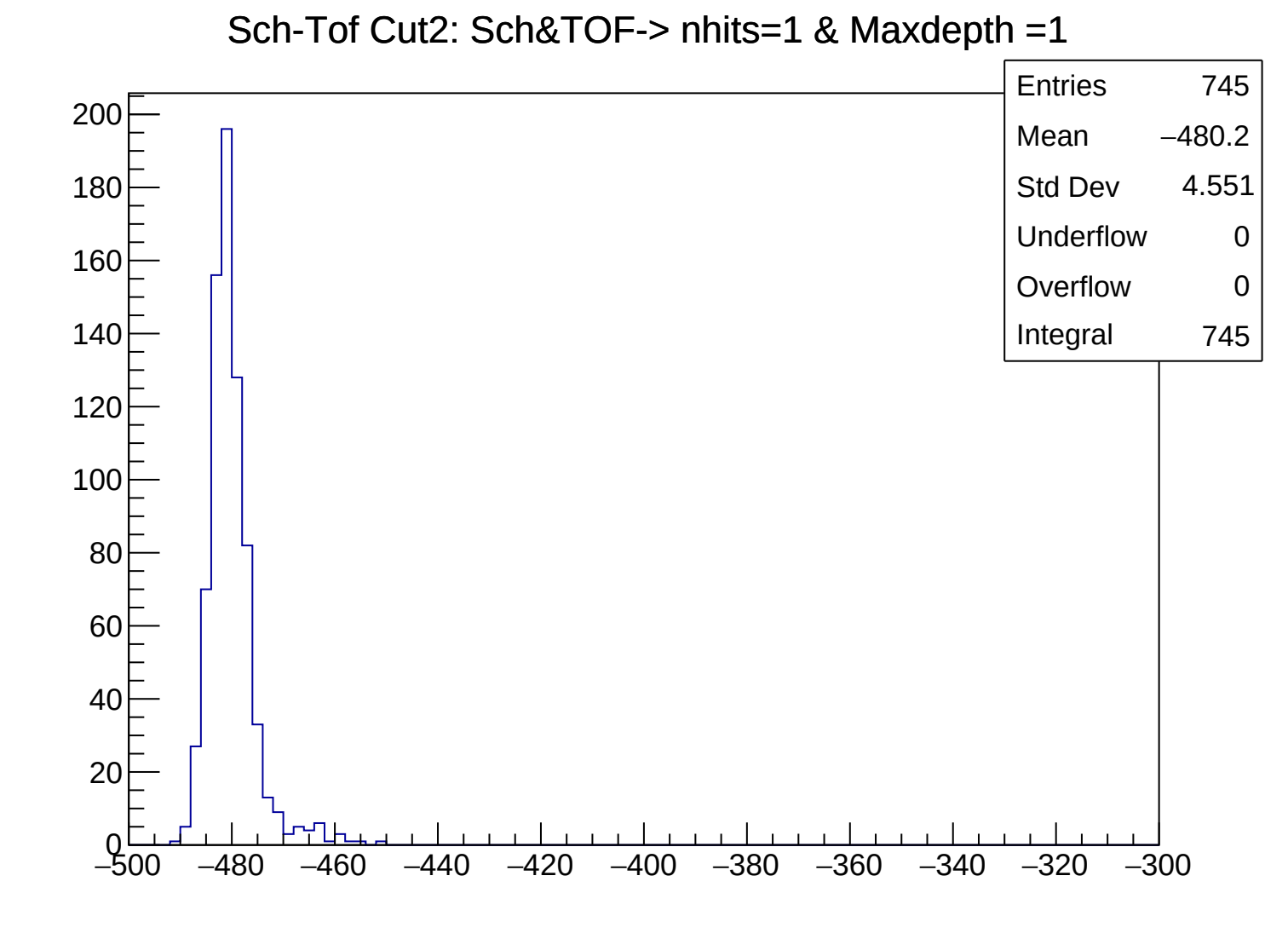

SchNhitsCut:nhits=1 & Maxdepth =1
Entries 1250
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 1250
1200
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
16
18
20

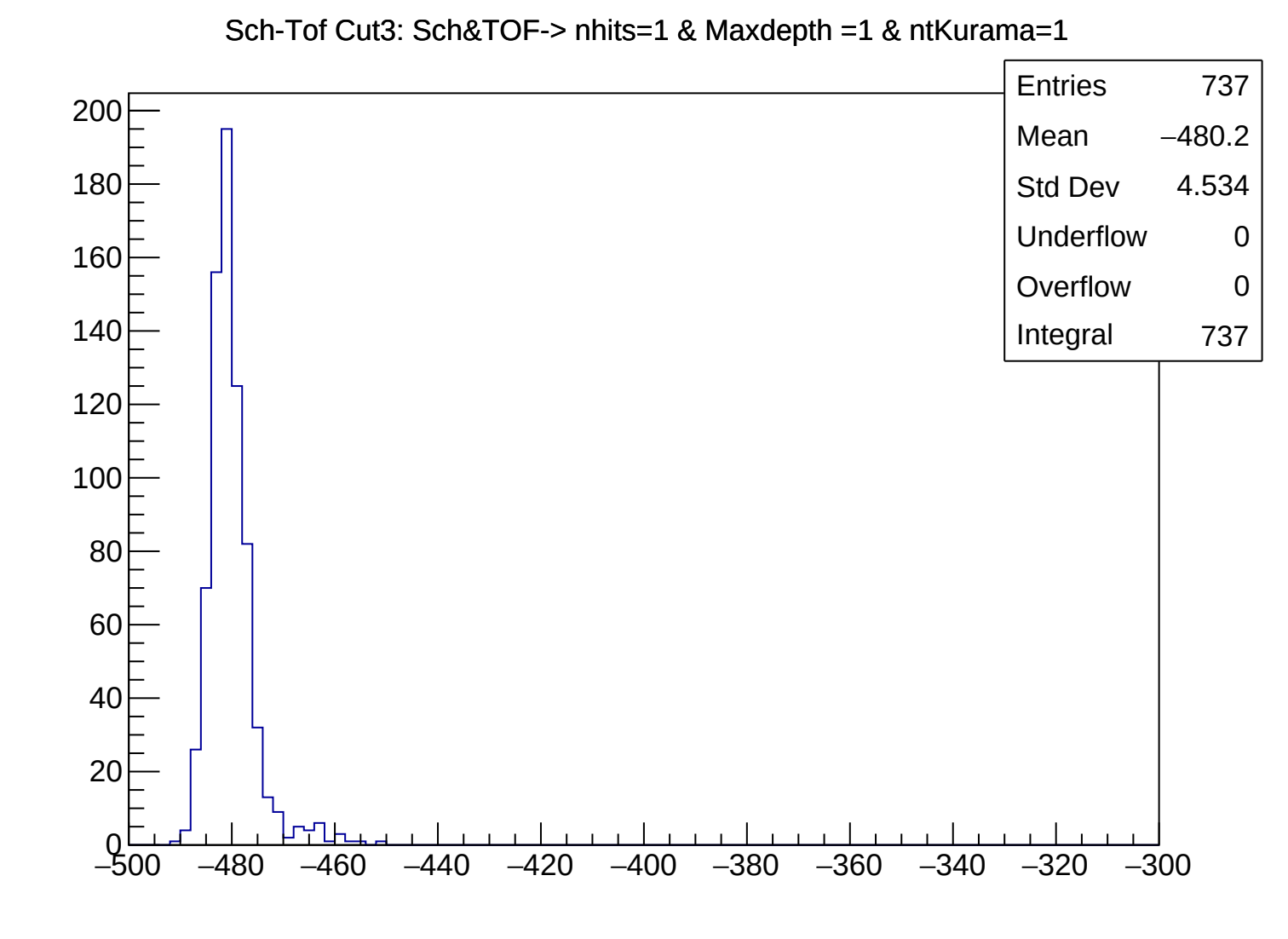

SchTdc
Entries 1.023898e+07
Mean 490.3
Std Dev 265.9
Underflow 1.021e+07
Overflow 536
Integral 2.854e+04
1800
1600
1400
1200
1000
800
600
400
200
0
100
200
300
400
500
600
700
800
900
1000

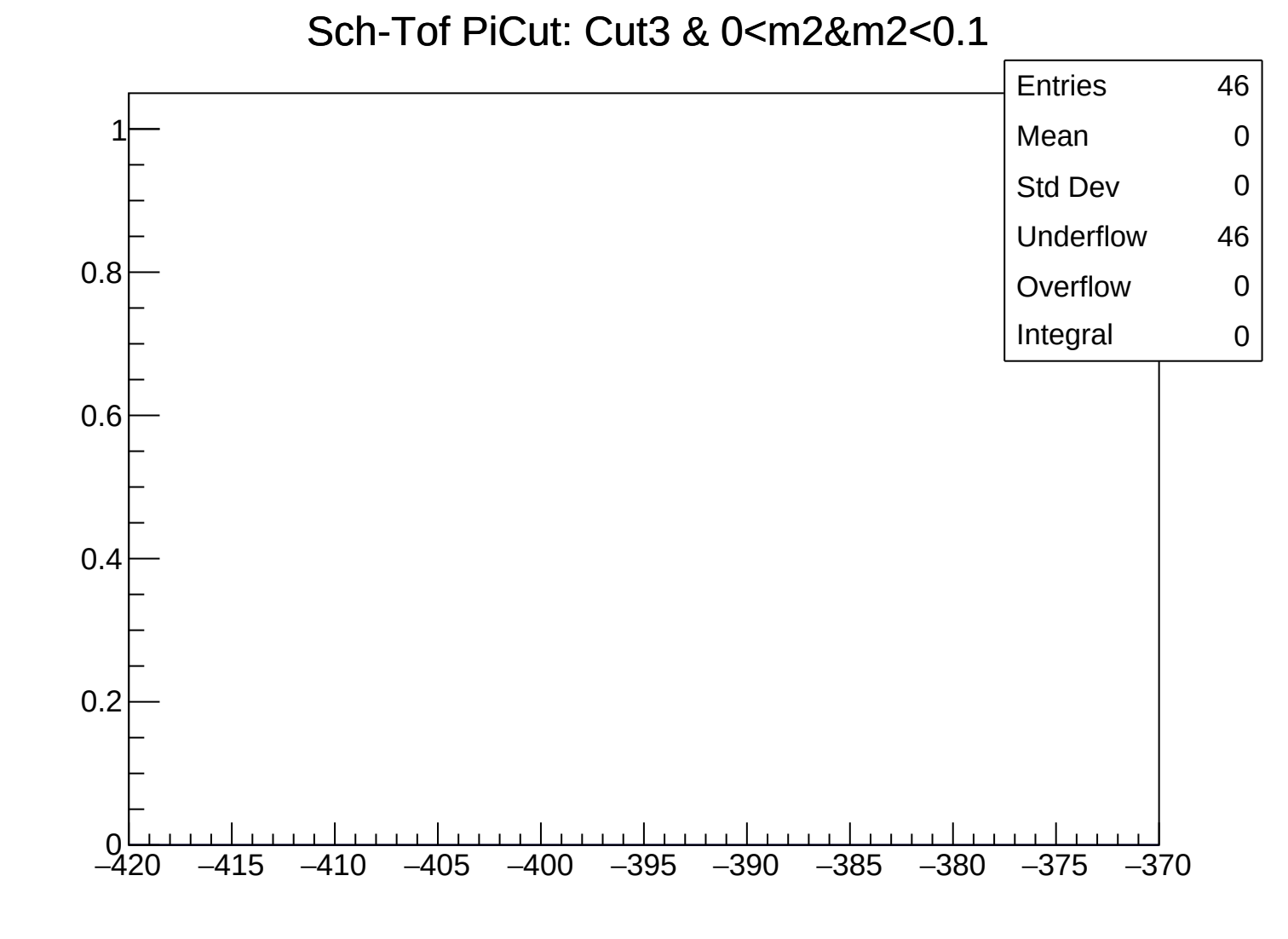

SchTdcCut:nhits=1 & Maxdepth =1
Entries 1250
Mean 467.9
Std Dev 4.964
Underflow 0
Overflow 0
Integral 1250
700
600
500
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000

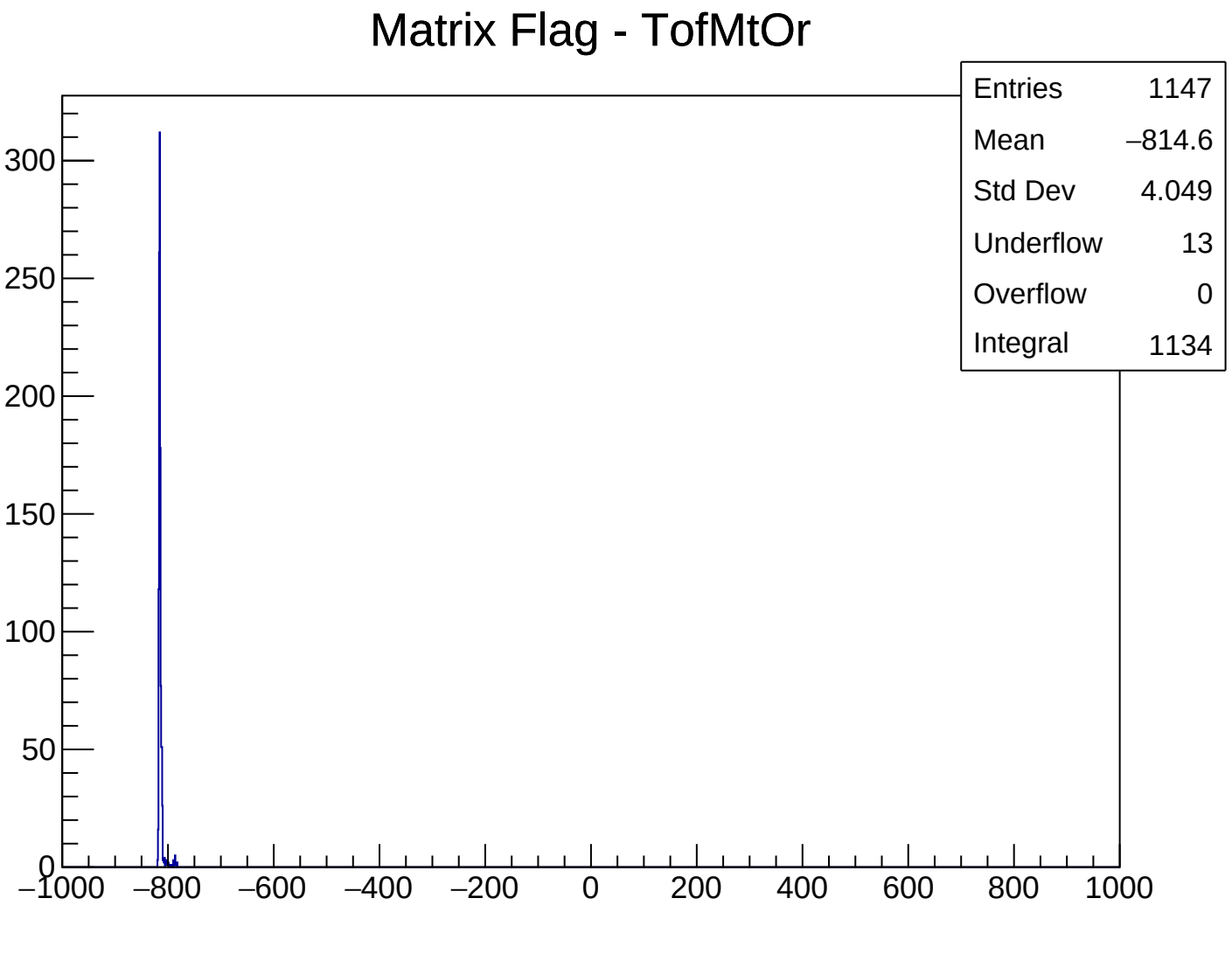

SchTdcCut2: Sch&TOF-> nhits=1 & Maxdepth =1
Entries 745
Mean 468.3
Std Dev 3.84
Underflow 0
Overflow 0
Integral 745
400
350
300
250
200
150
100
50
0
0
100
200
300
400
500
600
700
800
900
1000

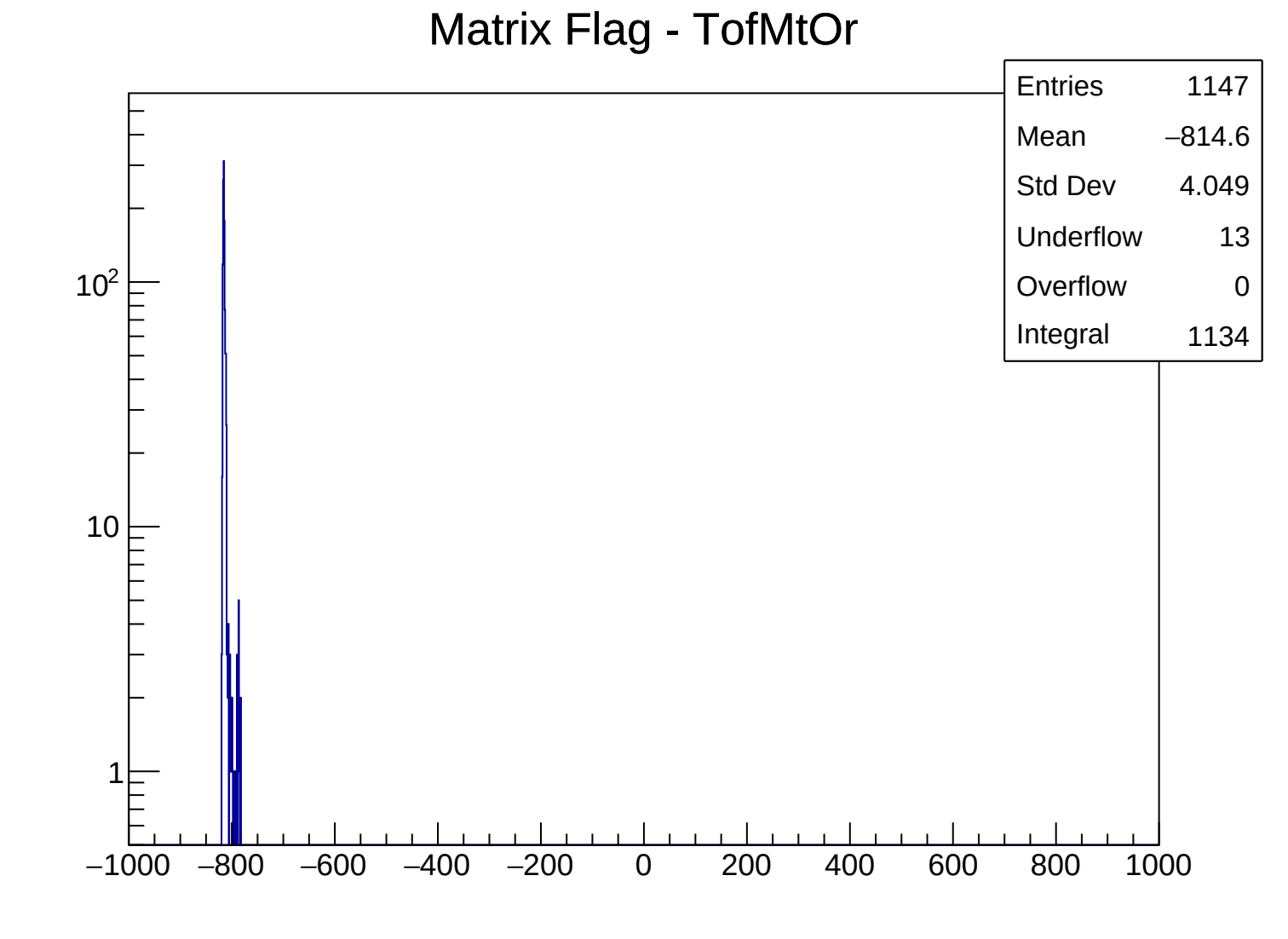

SchTimeCut2: Sch&TOF-> nhits=1 & Maxdepth =1
Entries 745
Mean −468.3
Std Dev 3.84
Underflow 0
Overflow 0
Integral 745
250
200
150
100
50
0
−500
−480
−460
−440
−420
−400
−380
−360
−340
−320
−300

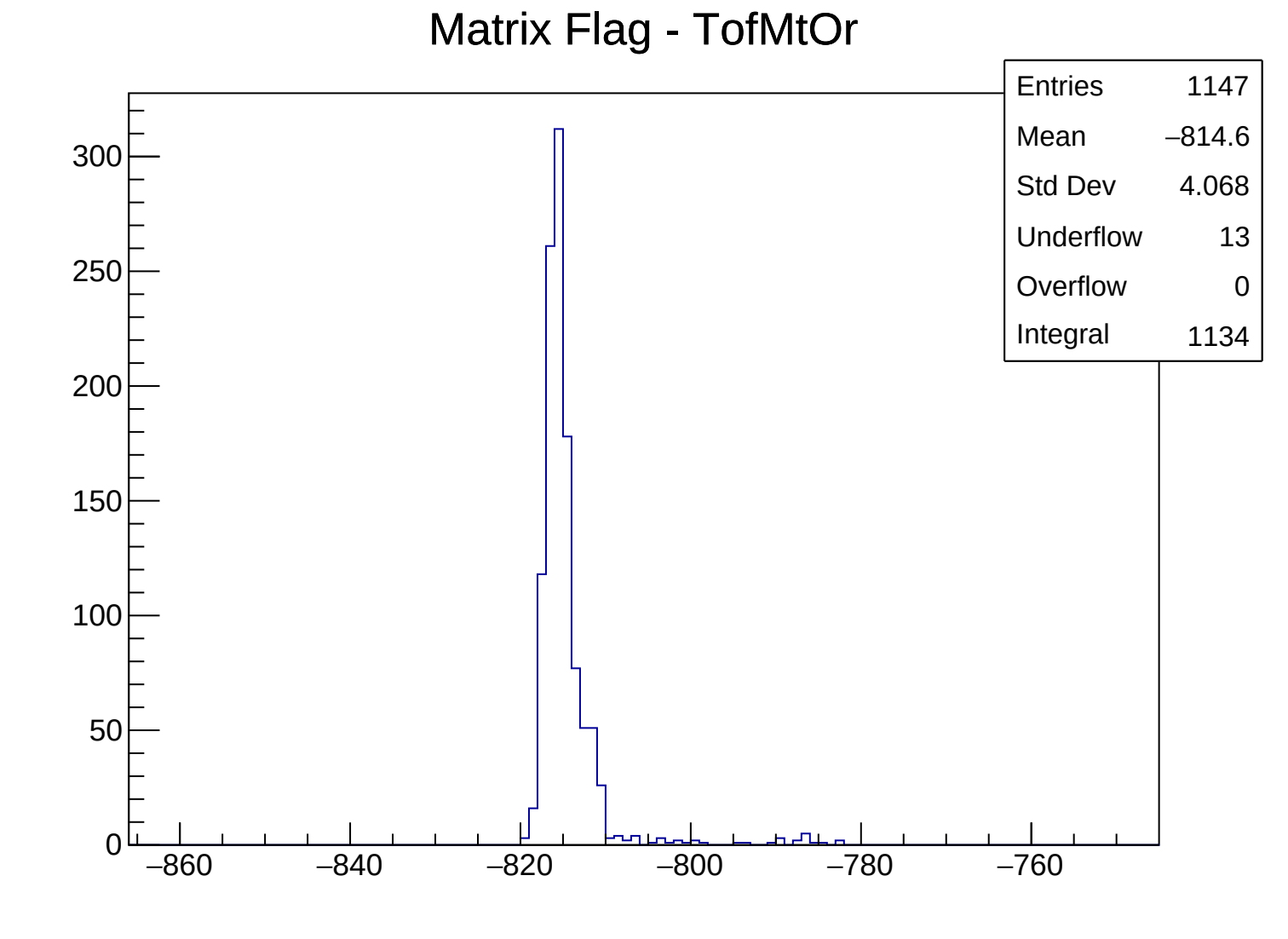

Sch-Tof Cut2: Sch&TOF-> nhits=1 & Maxdepth =1
Entries 745
Mean −480.2
Std Dev 4.551
Underflow 0
Overflow 0
Integral 745
200
180
160
140
120
100
80
60
40
20
0
−500
−480
−460
−440
−420
−400
−380
−360
−340
−320
−300

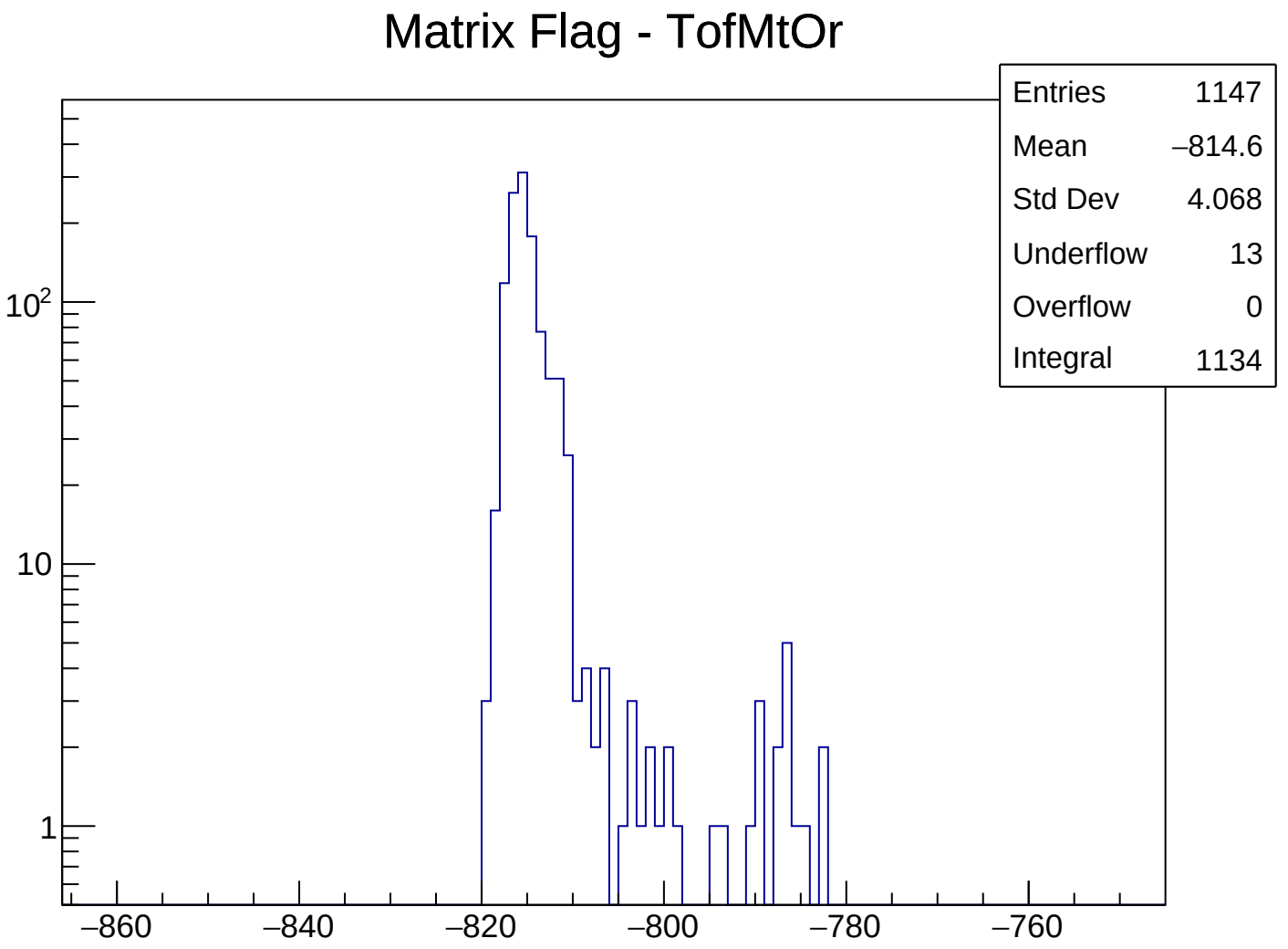

Sch-Tof Cut3: Sch&TOF-> nhits=1 & Maxdepth =1 & ntKurama=1
Entries 737
Mean −480.2
Std Dev 4.534
Underflow 0
Overflow 0
Integral 737
200
180
160
140
120
100
80
60
40
20
0
−500
−480
−460
−440
−420
−400
−380
−360
−340
−320
−300

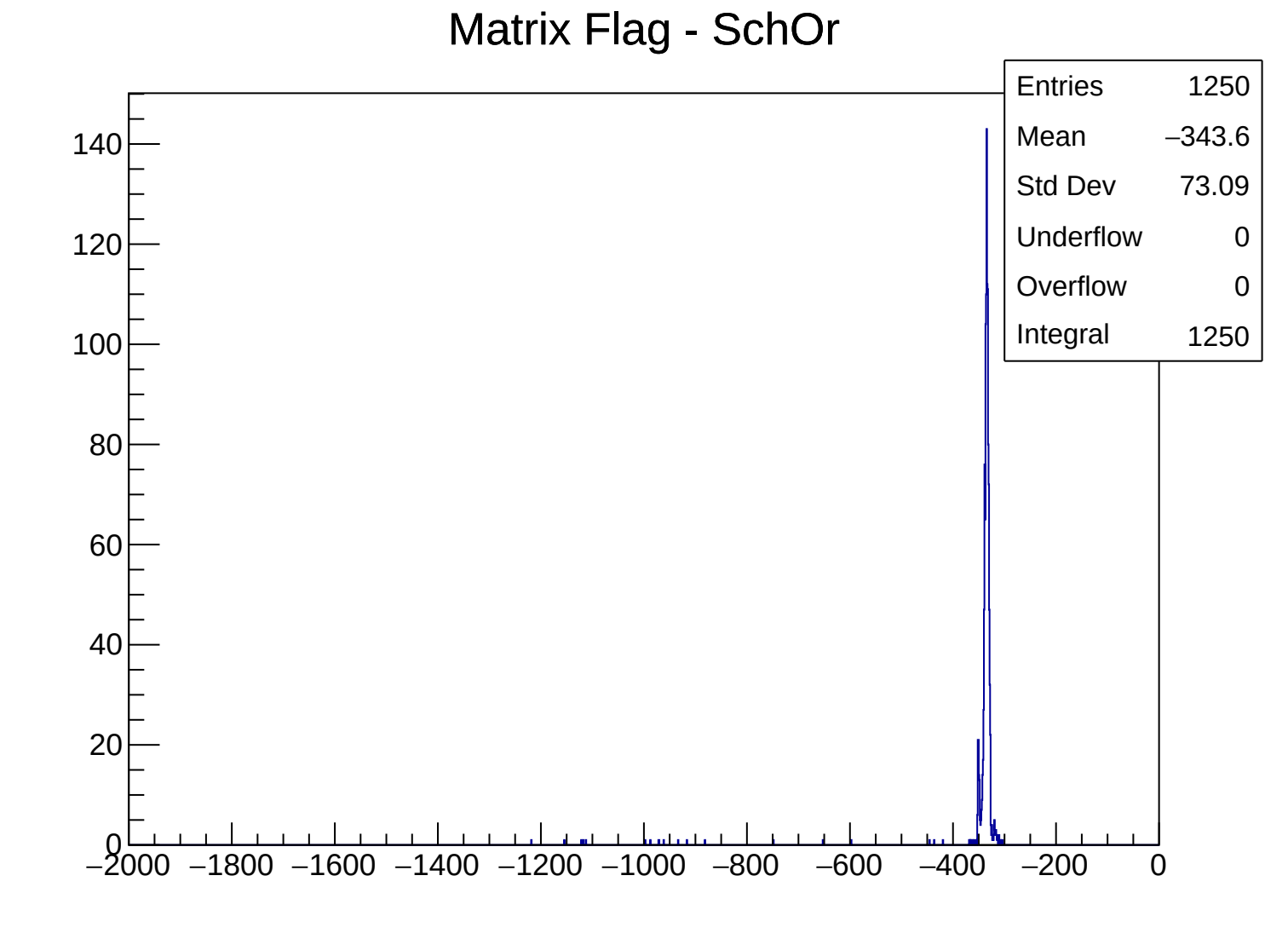

Sch-Tof PiCut: Cut3 & 0<m2&m2<0.1
Entries 46
Mean 0
Std Dev 0
Underflow 46
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–420
–415
–410
–405
–400
–395
–390
–385
–380
–375
–370

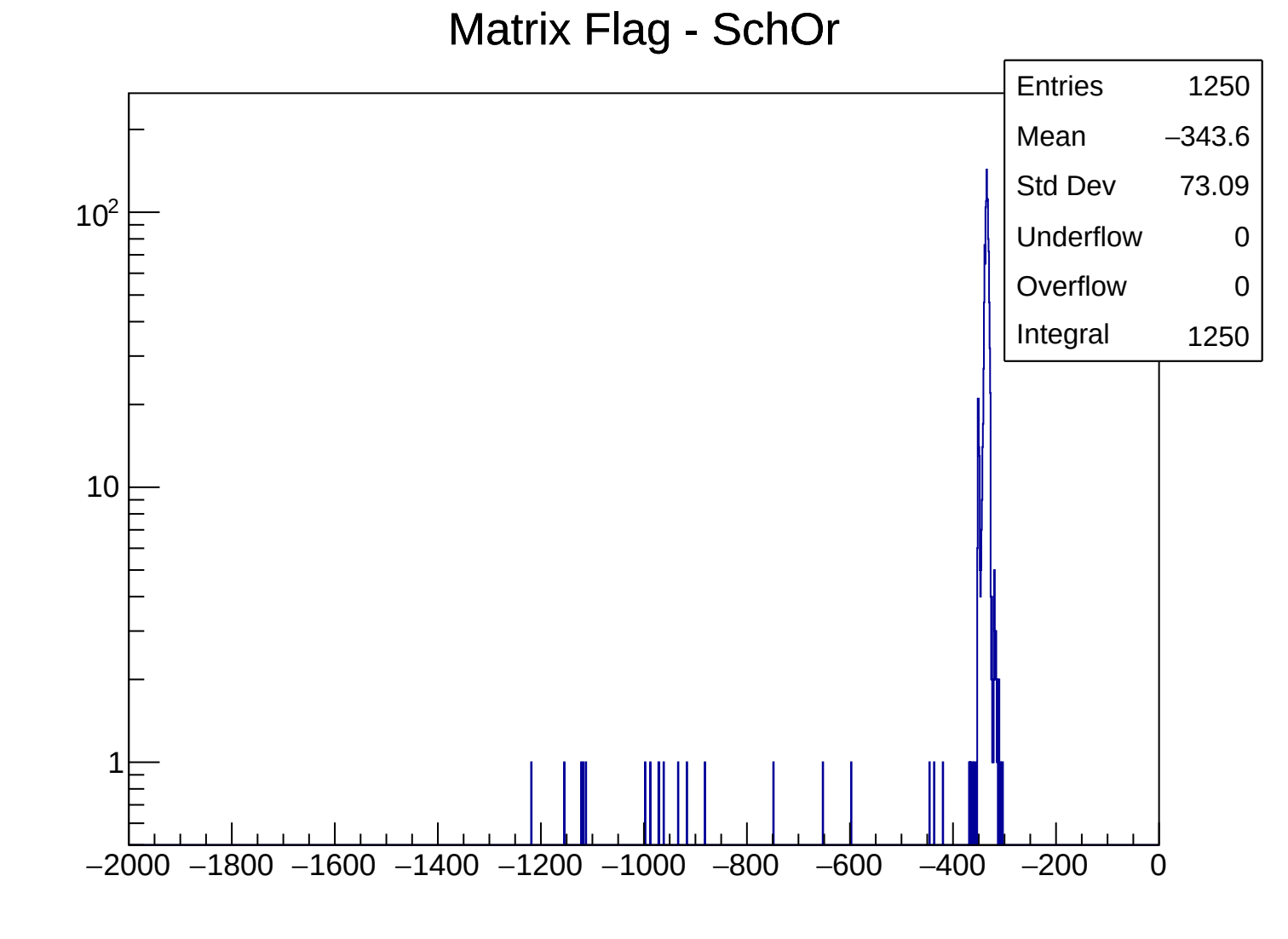

Matrix Flag - TofMtOr
Entries 1147
Mean –814.6
Std Dev 4.049
Underflow 13
Overflow 0
Integral 1134
300
250
200
150
100
50
0
–1000
–800
–600
–400
–200
0
200
400
600
800
1000

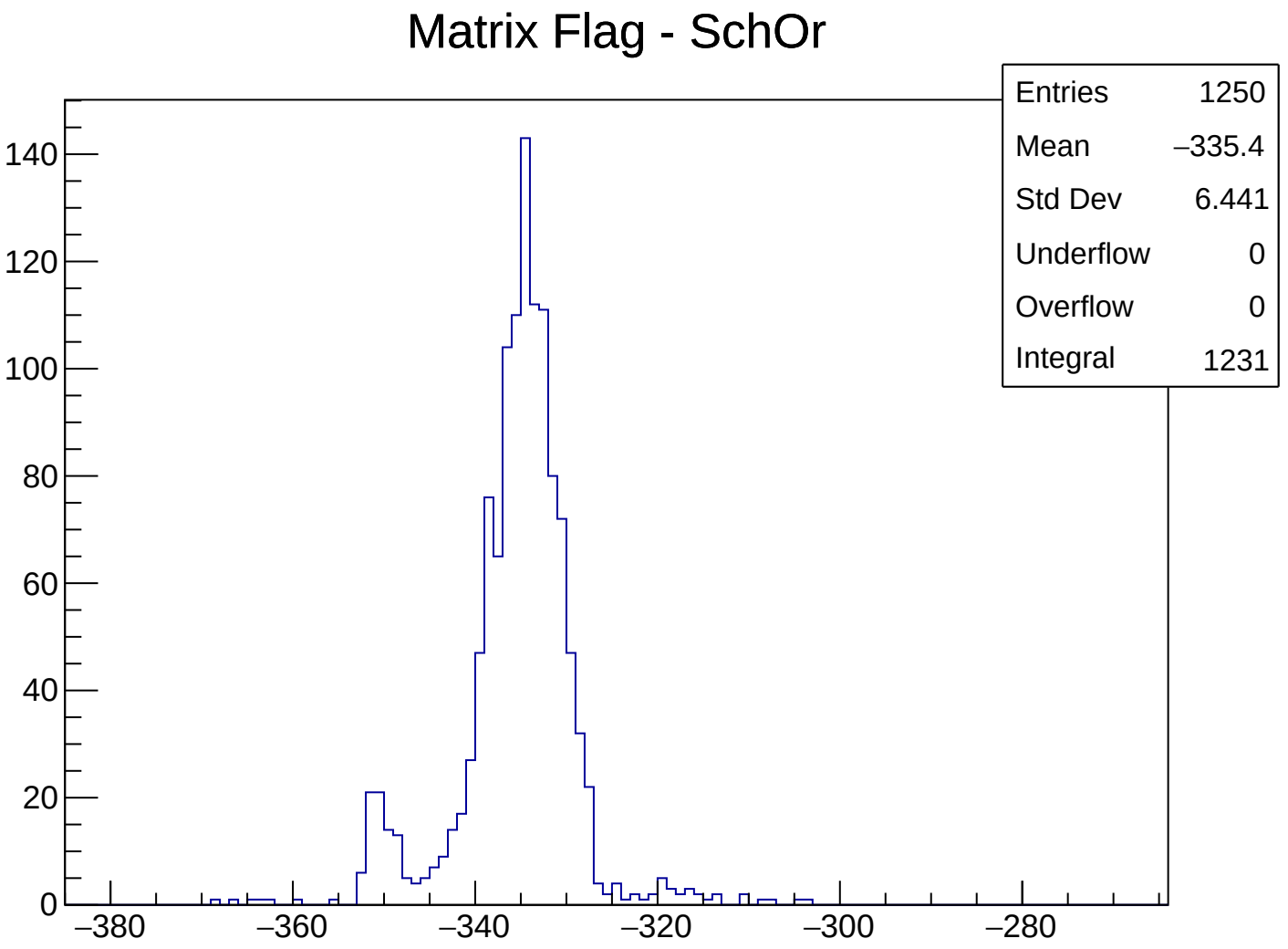

Matrix Flag - TofMtOr
Entries 1147
Mean –814.6
Std Dev 4.049
Underflow 13
Overflow 0
Integral 1134
10^2
10
1
–1000
–800
–600
–400
–200
0
200
400
600
800
1000

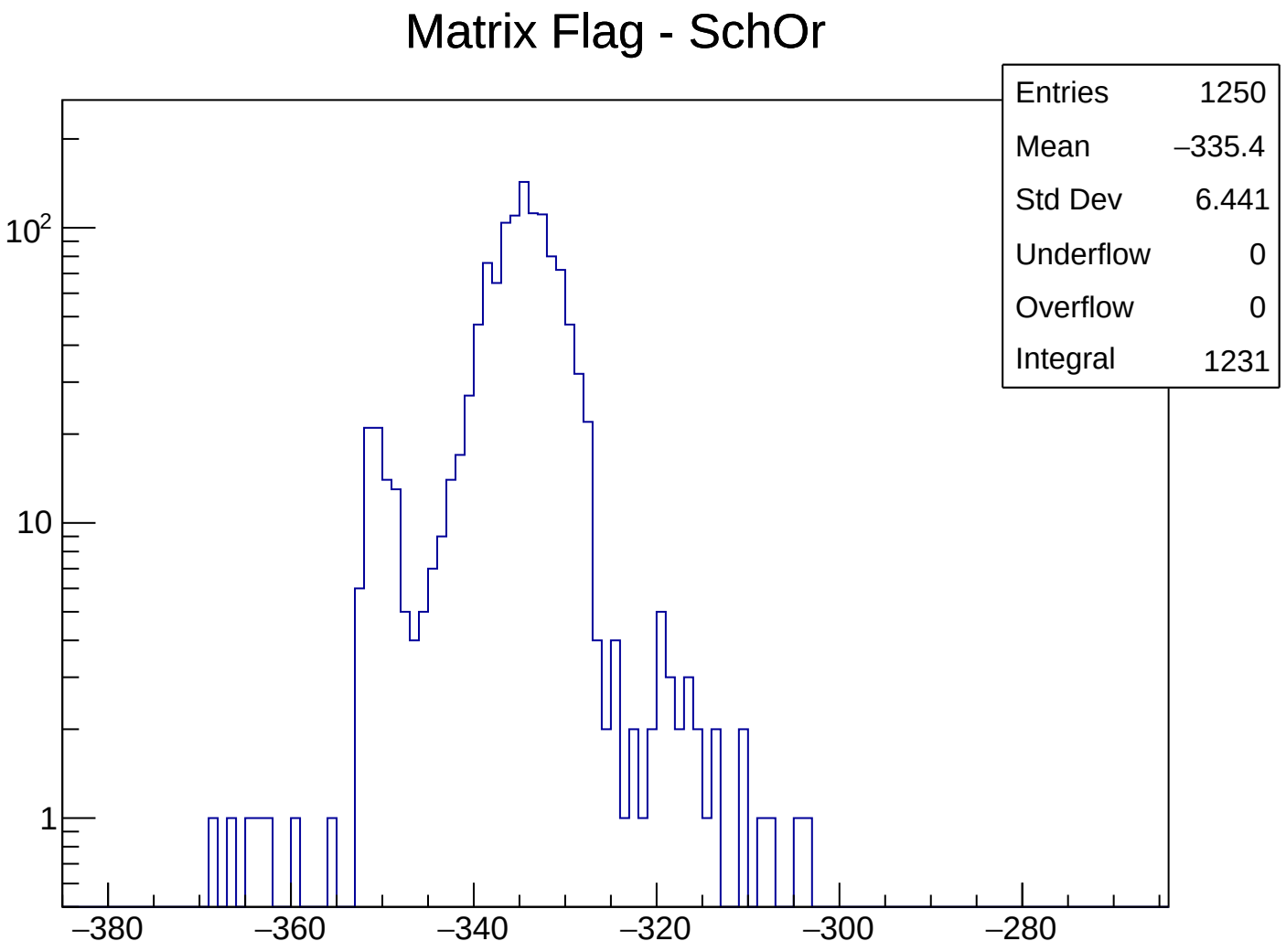

Matrix Flag - TofMtOr
Entries 1147
Mean –814.6
Std Dev 4.068
Underflow 13
Overflow 0
Integral 1134
300
250
200
150
100
50
0
–860
–840
–820
–800
–780
–760

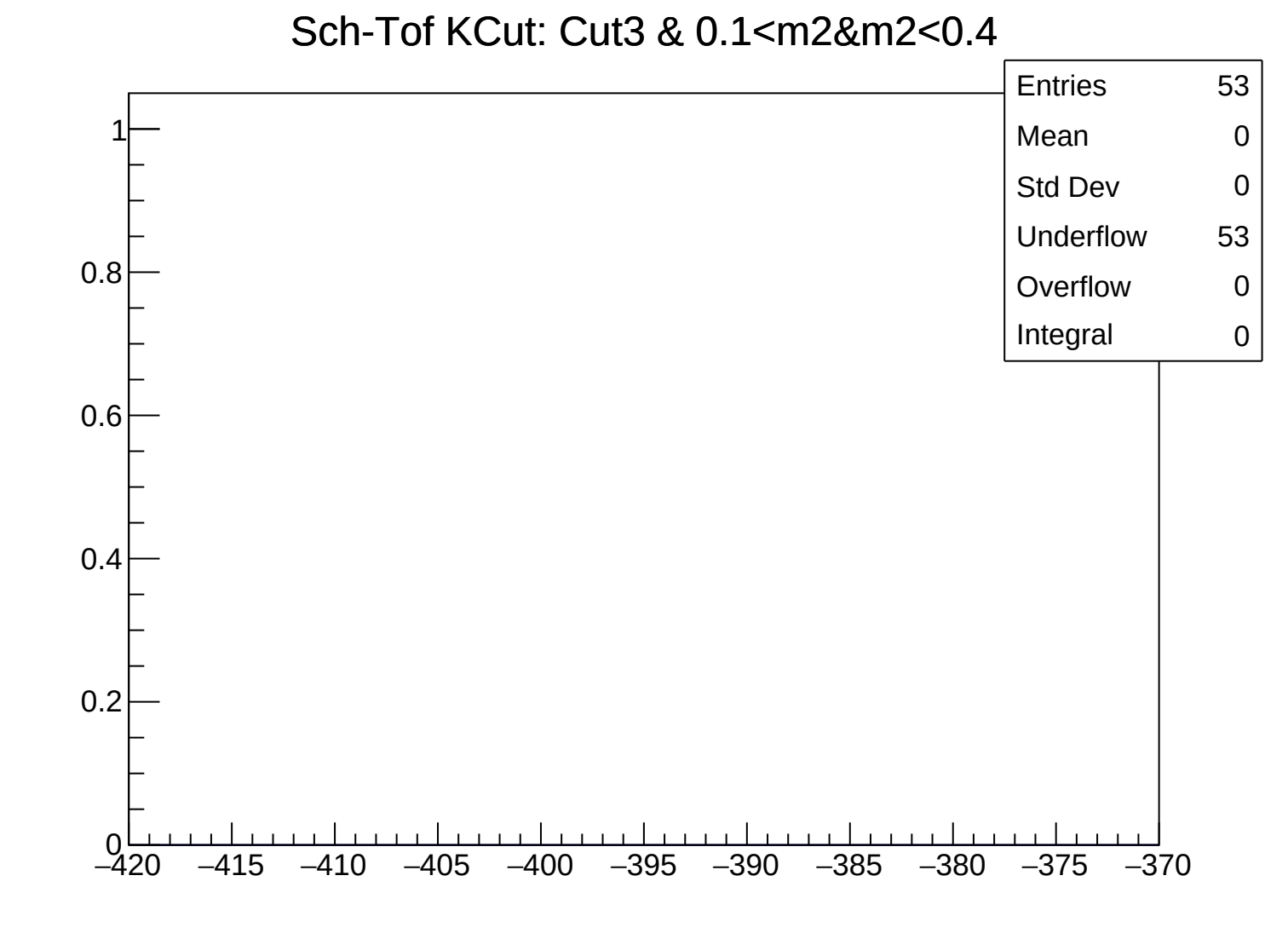

Matrix Flag - TofMtOr
Entries 1147
Mean −814.6
Std Dev 4.068
Underflow 13
Overflow 0
Integral 1134
10^2
10
1
−860
−840
−820
−800
−780
−760

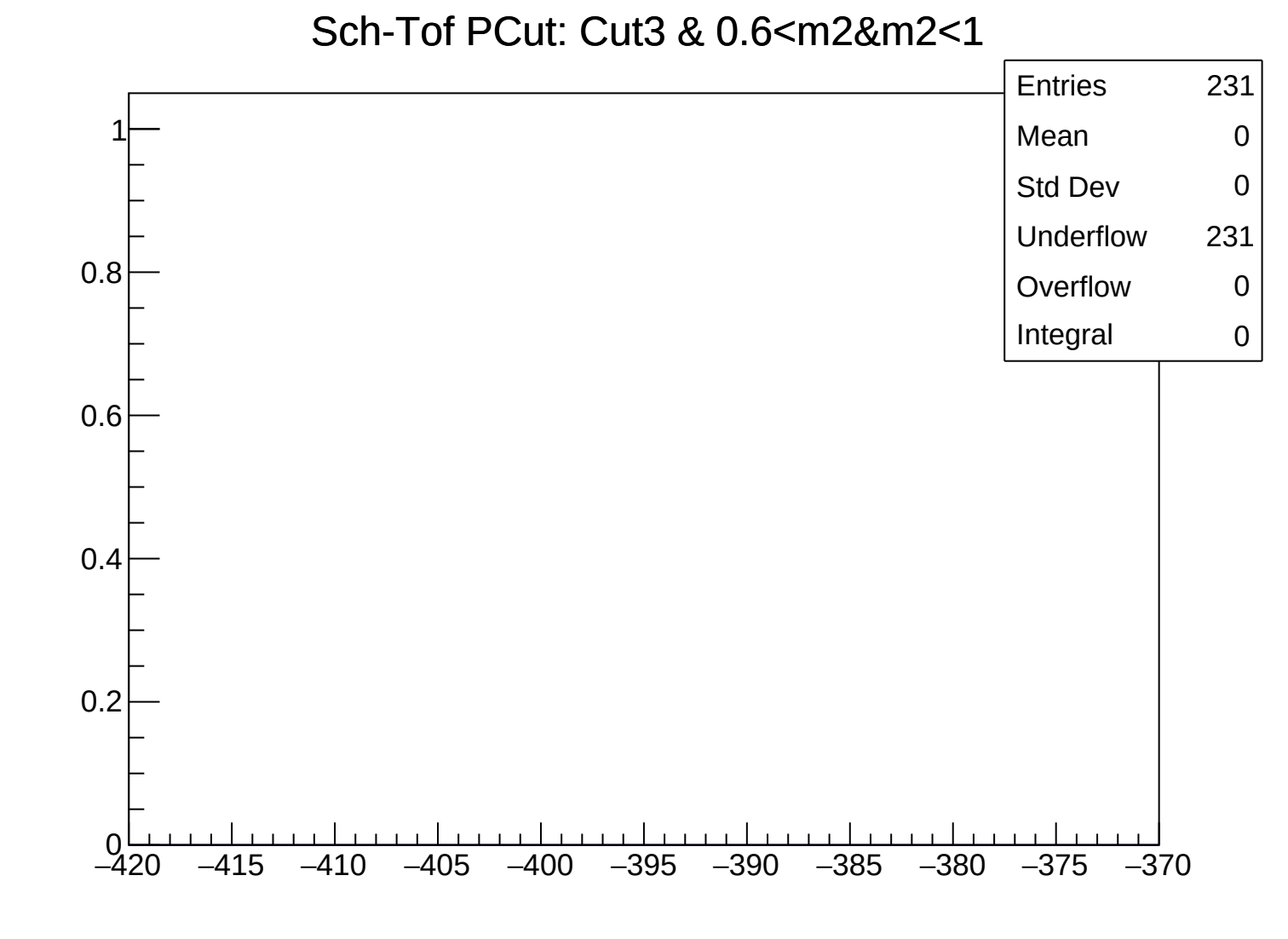

Matrix Flag - SchOr
Entries 1250
Mean −343.6
Std Dev 73.09
Underflow 0
Overflow 0
Integral 1250
140
120
100
80
60
40
20
0
−2000
−1800
−1600
−1400
−1200
−1000
−800
−600
−400
−200
0

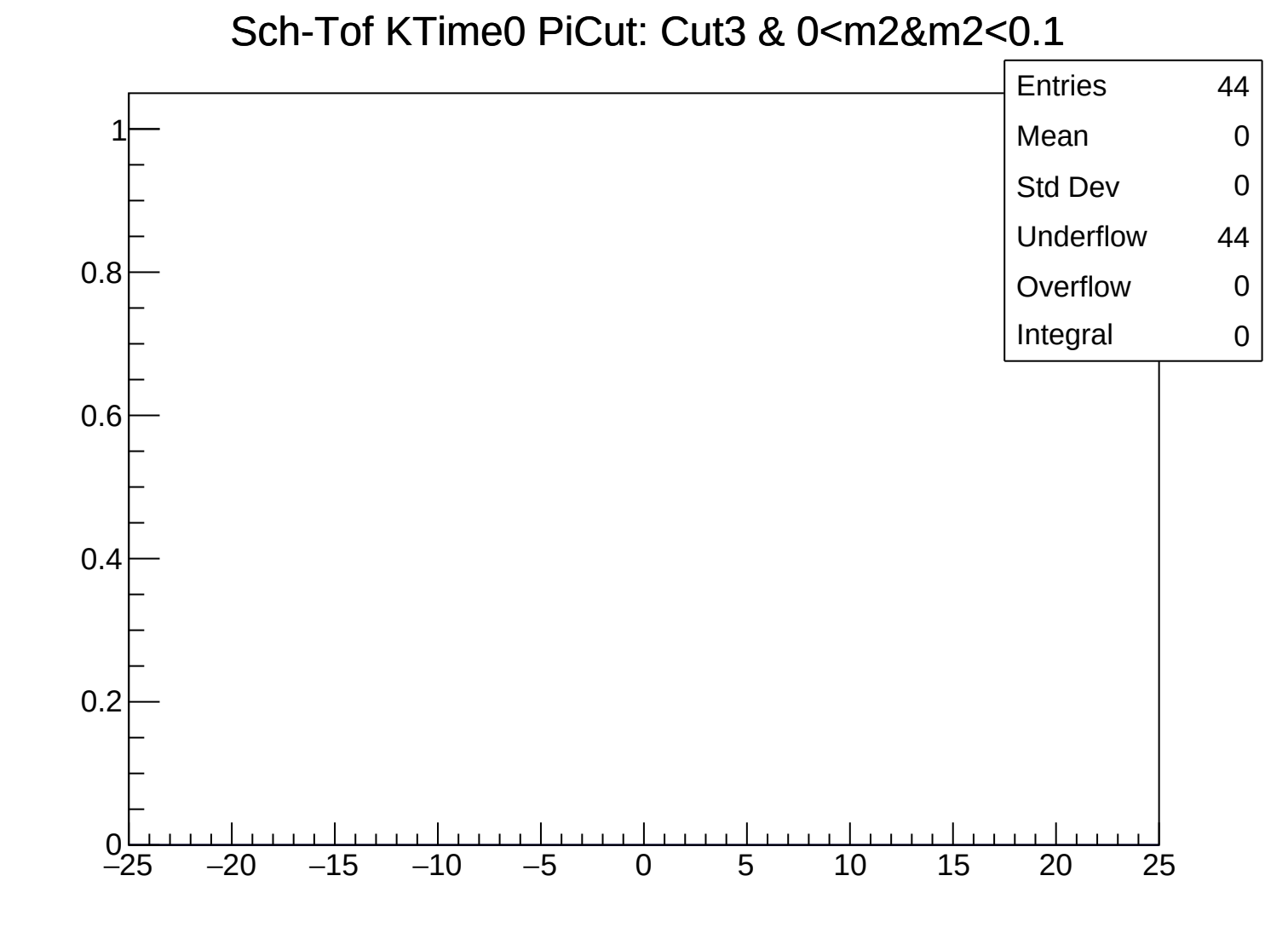

Matrix Flag - SchOr
Entries 1250
Mean −343.6
Std Dev 73.09
Underflow 0
Overflow 0
Integral 1250
10^2
10
1
−2000 −1800 −1600 −1400 −1200 −1000 −800 −600 −400 −200 0

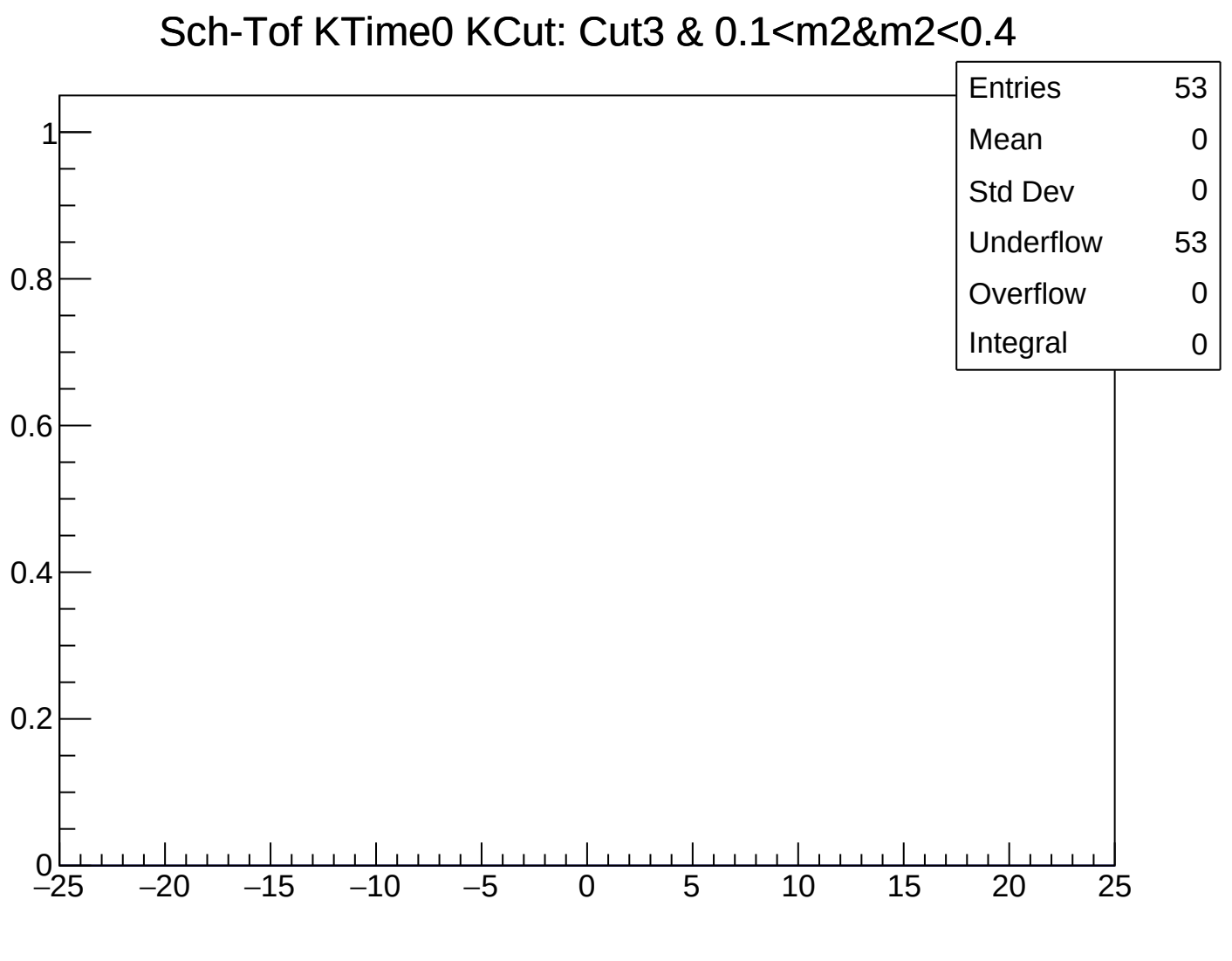

Matrix Flag - SchOr
Entries 1250
Mean −335.4
Std Dev 6.441
Underflow 0
Overflow 0
Integral 1231
140
120
100
80
60
40
20
0
−380
−360
−340
−320
−300
−280

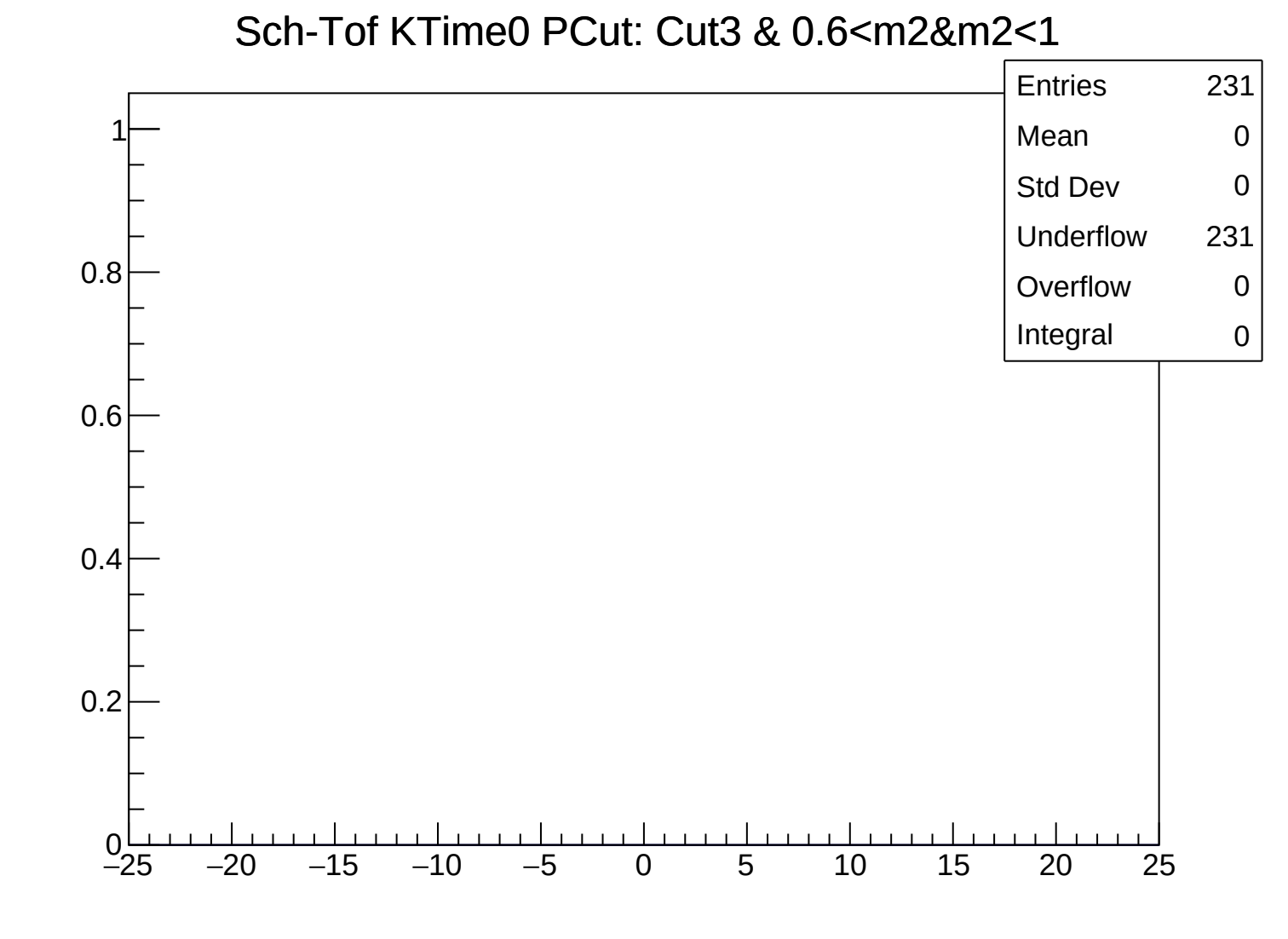

Matrix Flag - SchOr
Entries 1250
Mean −335.4
Std Dev 6.441
Underflow 0
Overflow 0
Integral 1231
10^2
10
1
−380
−360
−340
−320
−300
−280

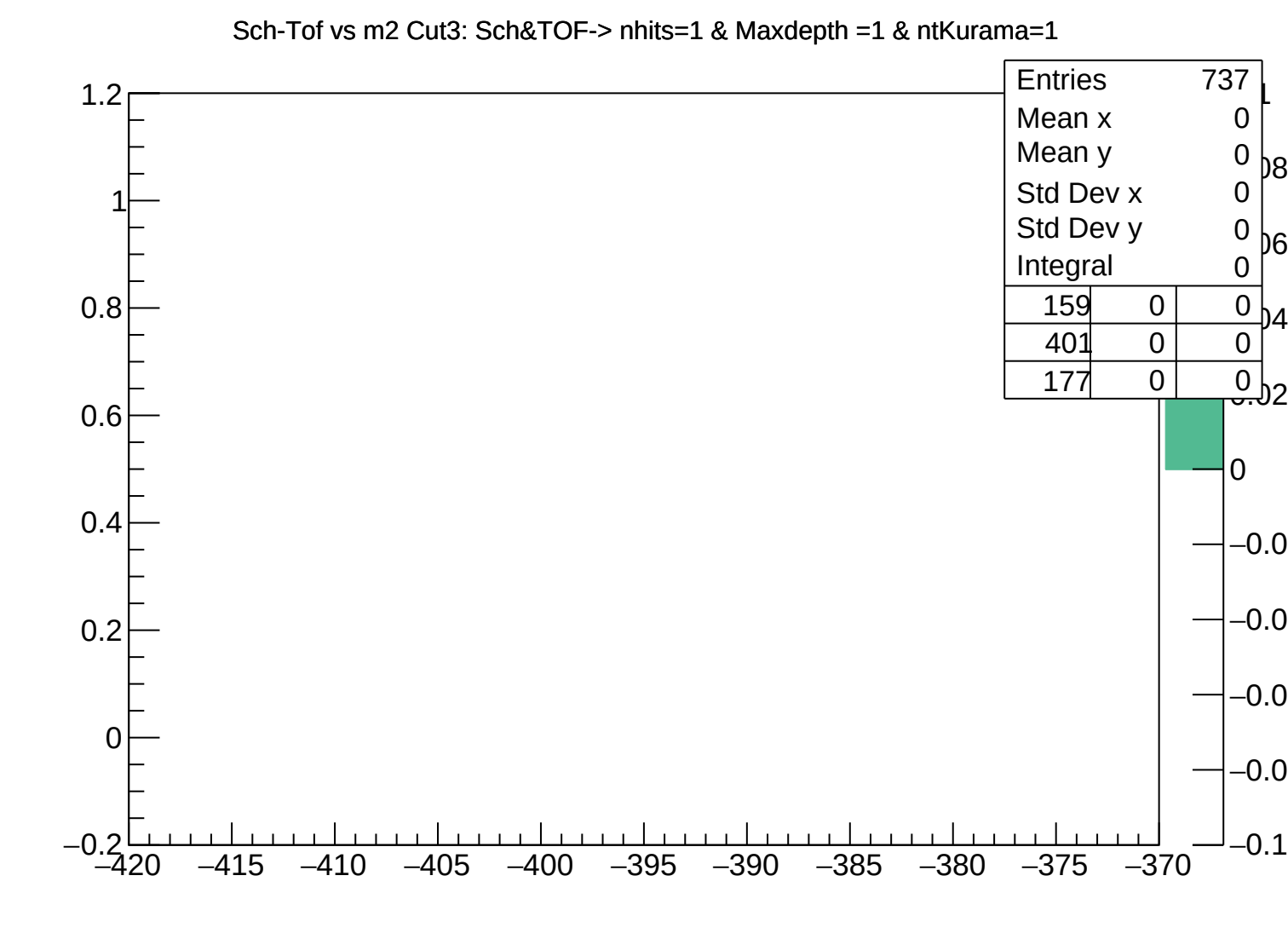

Sch-Tof KCut: Cut3 & 0.1<m2&m2<0.4
Entries 53
Mean 0
Std Dev 0
Underflow 53
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–420
–415
–410
–405
–400
–395
–390
–385
–380
–375
–370

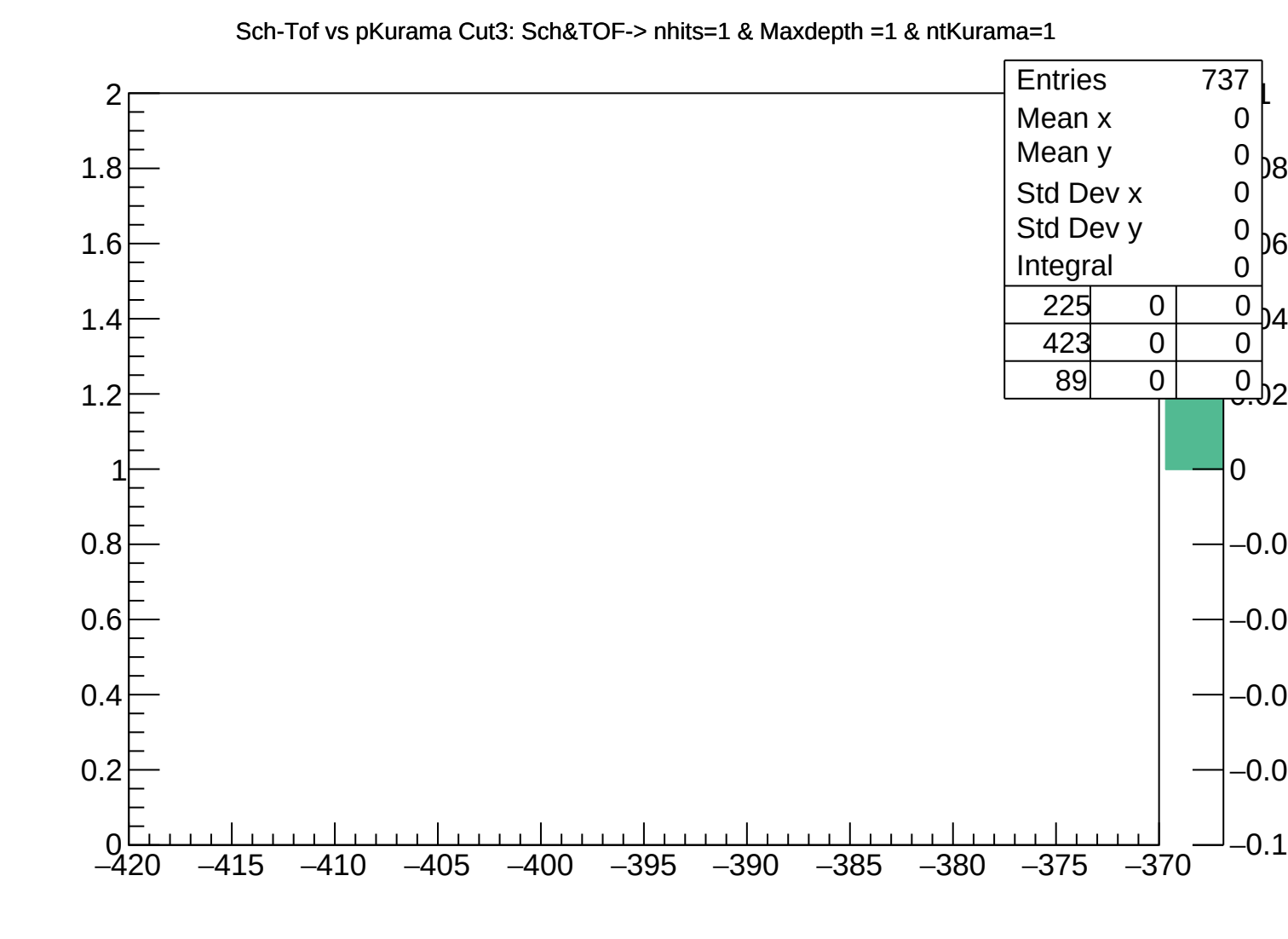

Sch-Tof PCut: Cut3 & 0.6<m2&m2<1
Entries 231
Mean 0
Std Dev 0
Underflow 231
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–420
–415
–410
–405
–400
–395
–390
–385
–380
–375
–370

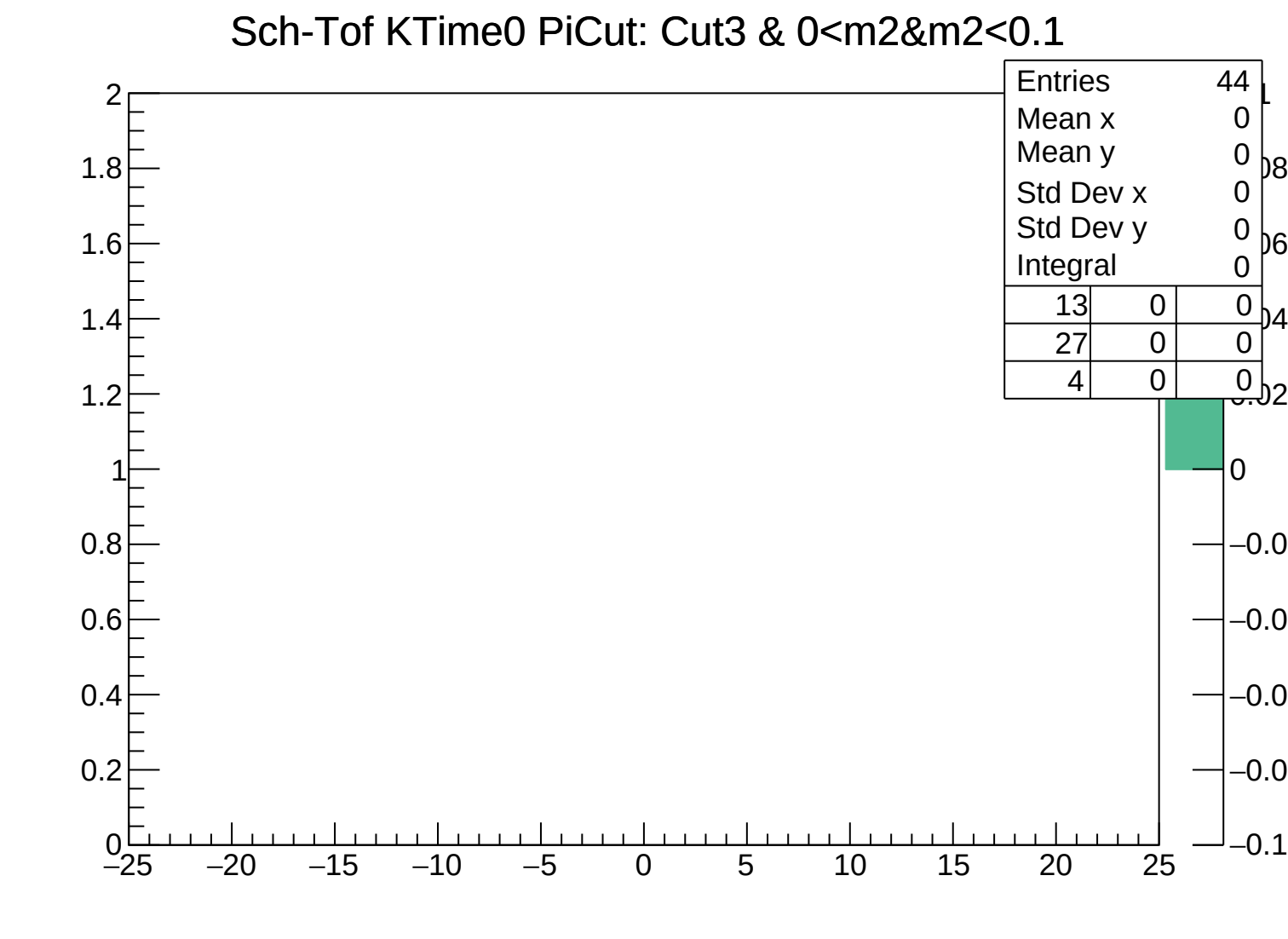

Sch-Tof KTime0 PiCut: Cut3 & 0<m2&m2<0.1
Entries 44
Mean 0
Std Dev 0
Underflow 44
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–25
–20
–15
–10
–5
0
5
10
15
20
25

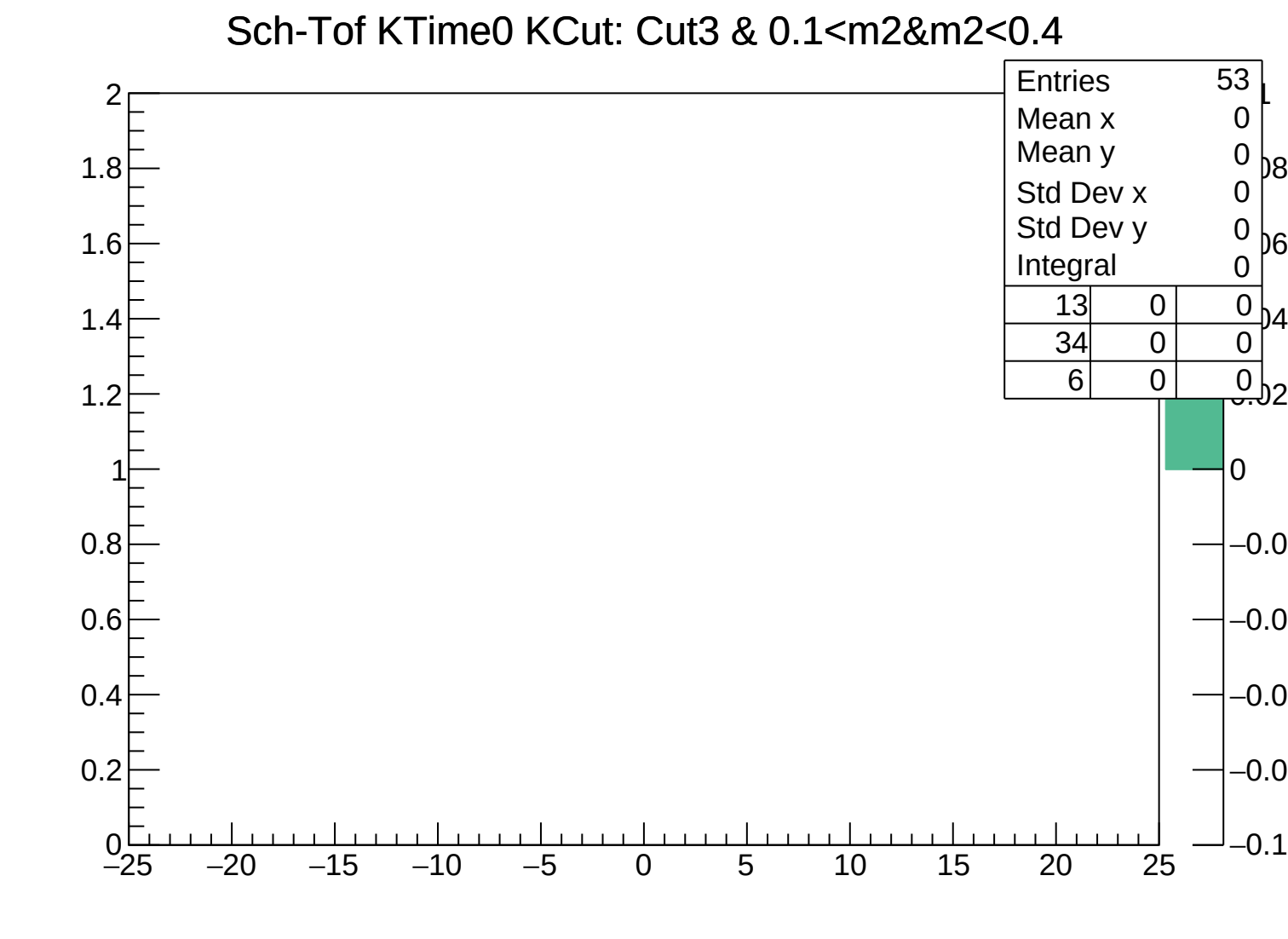

Sch-Tof KTime0 KCut: Cut3 & 0.1<m2&m2<0.4
Entries 53
Mean 0
Std Dev 0
Underflow 53
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–25
–20
–15
–10
–5
0
5
10
15
20
25

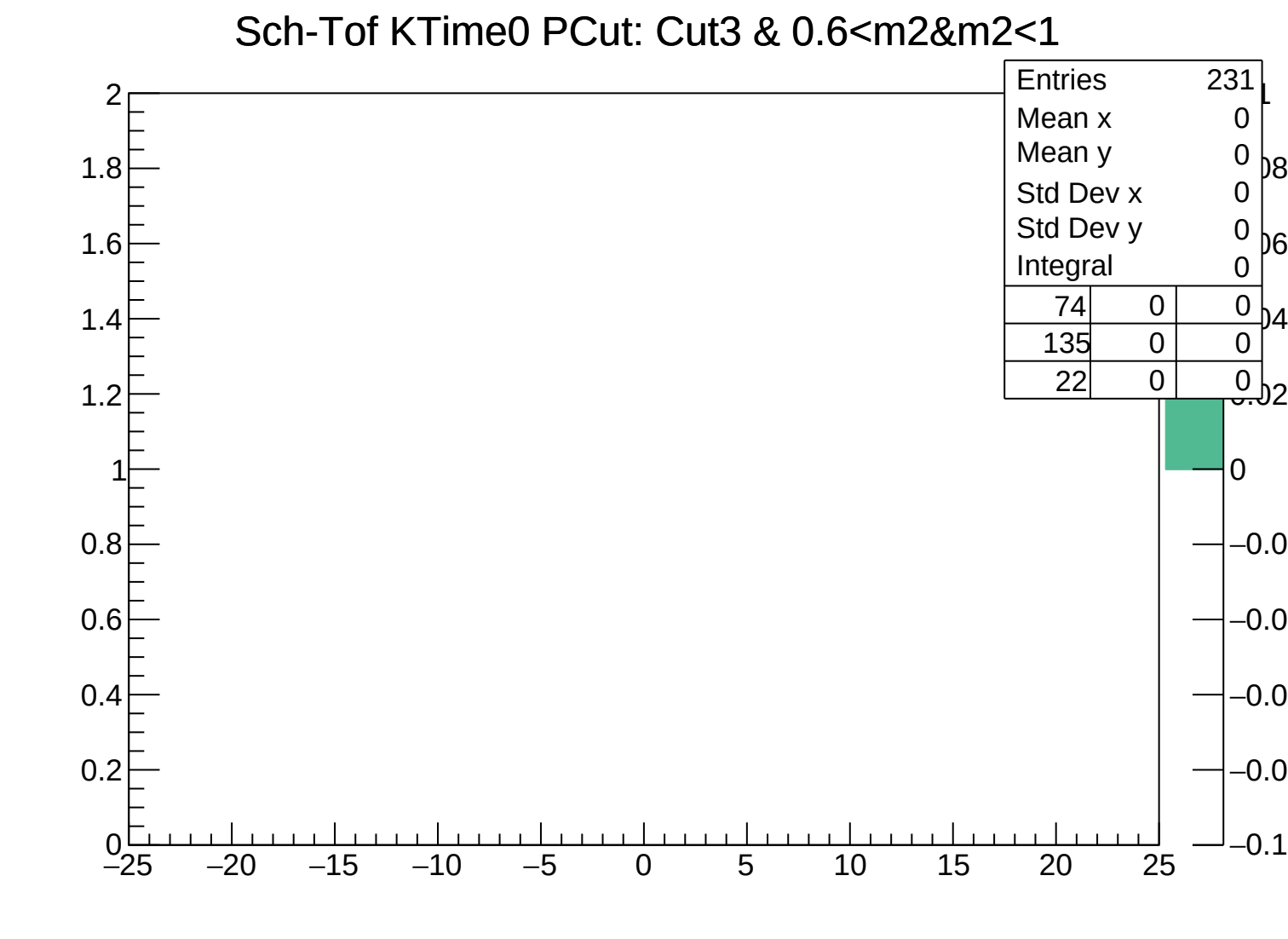

Sch-Tof KTime0 PCut: Cut3 & 0.6<m2&m2<1
Entries 231
Mean 0
Std Dev 0
Underflow 231
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–25
–20
–15
–10
–5
0
5
10
15
20
25

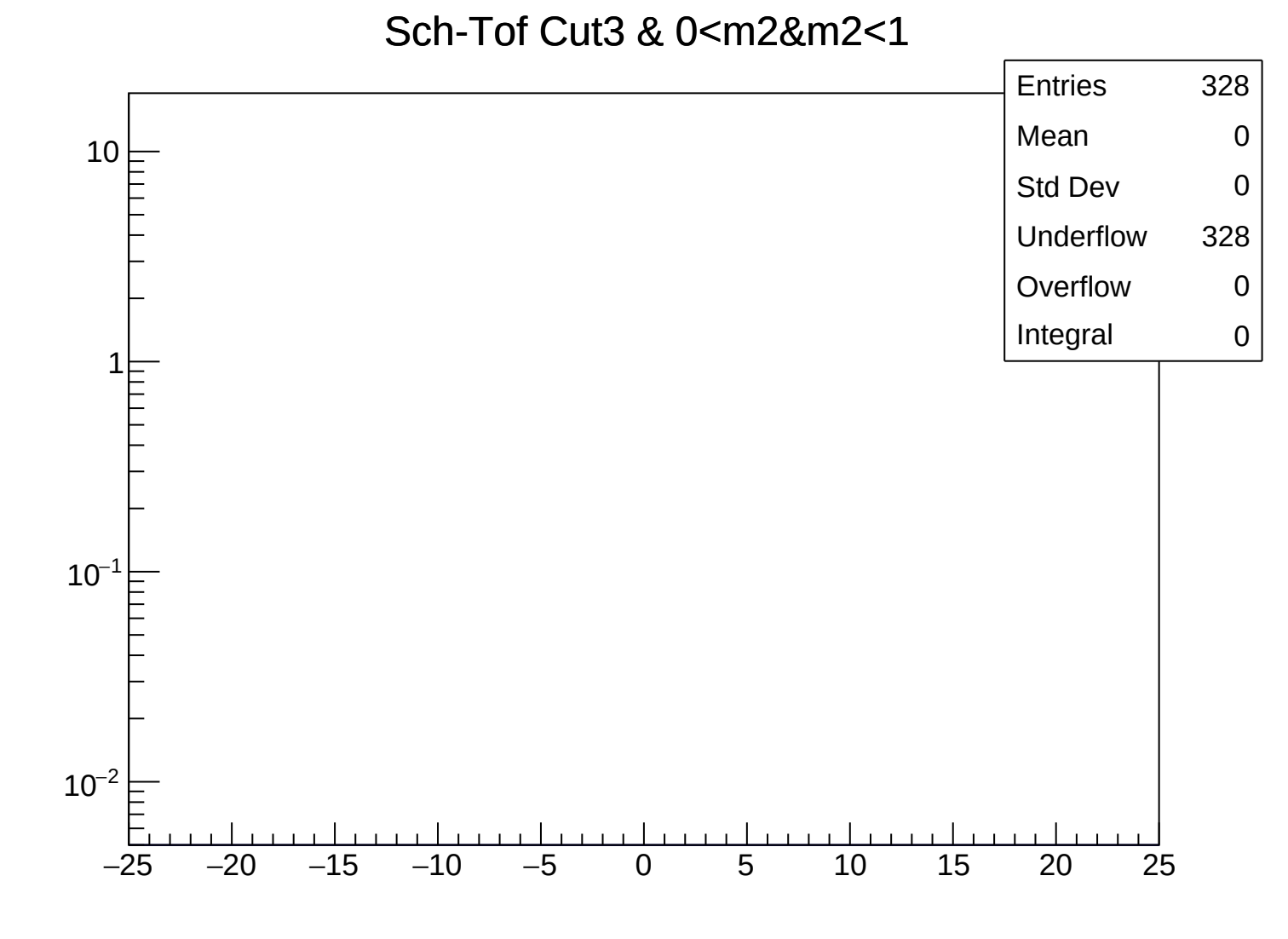

Sch-Tof vs m2 Cut3: Sch&TOF-> nhits=1 & Maxdepth =1 & ntKurama=1
Entries 737
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
Integral 0
159 0 0
401 0 0
177 0 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−420 −415 −410 −405 −400 −395 −390 −385 −380 −375 −370
0
−0.0
−0.0
−0.0
−0.0
−0.1

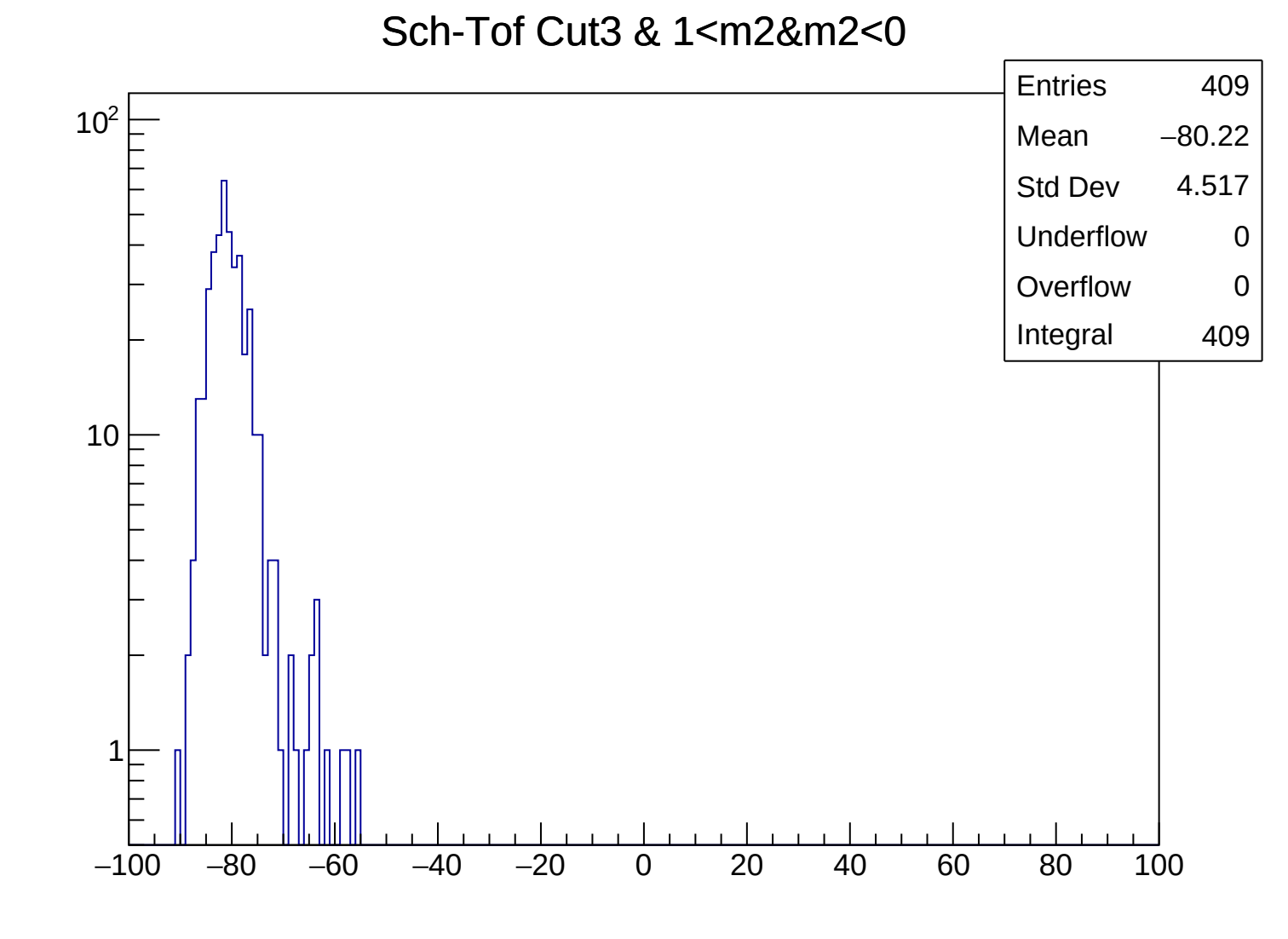

Sch-Tof vs pKurama Cut3: Sch&TOF-> nhits=1 & Maxdepth =1 & ntKurama=1
Entries 737
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
Integral 0
225 0 0
423 0 0
89 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–420
–415
–410
–405
–400
–395
–390
–385
–380
–375
–370
0
–0.0
–0.0
–0.0
–0.0
–0.1

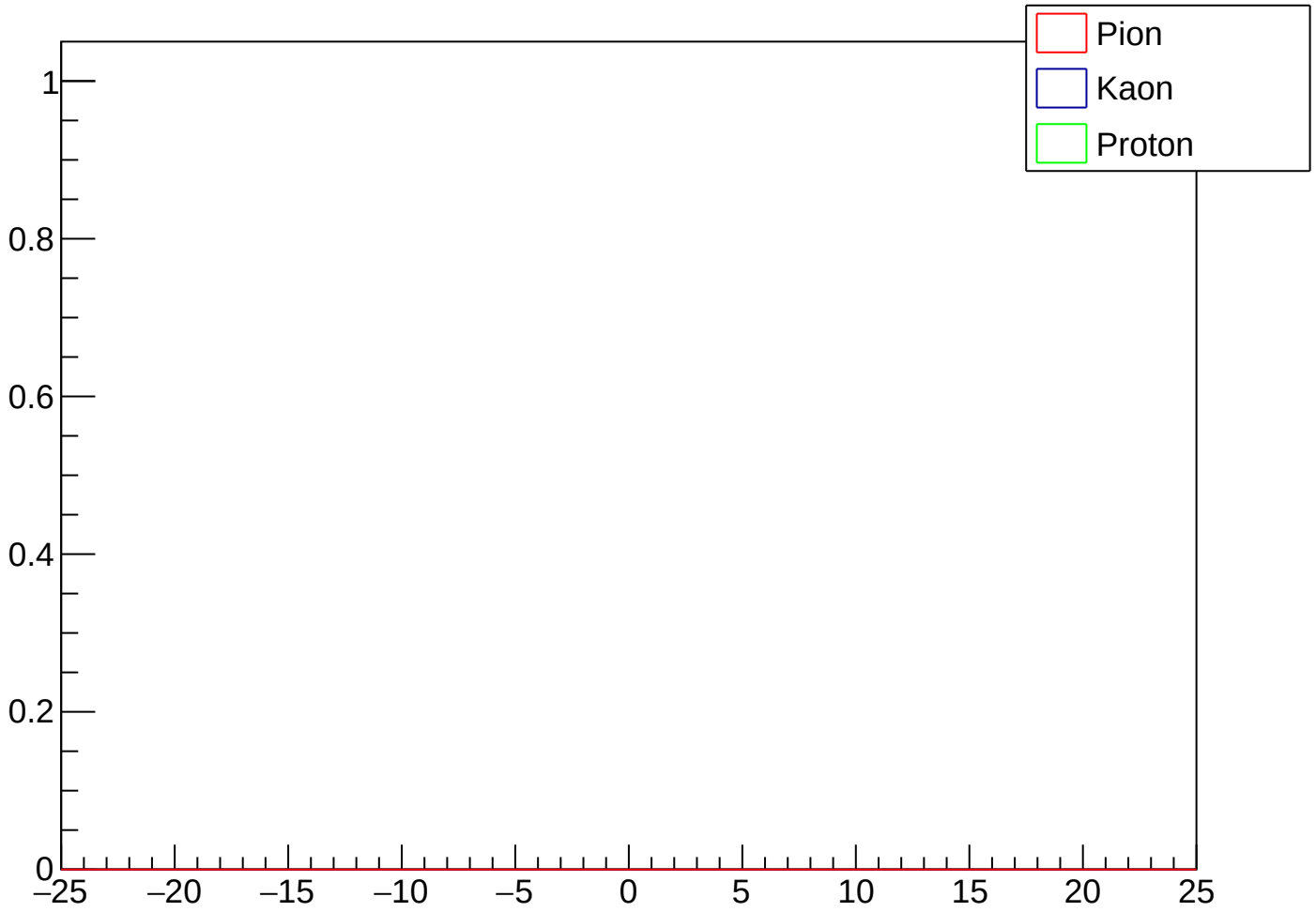

Sch-Tof KTime0 PiCut: Cut3 & 0<m2&m2<0.1
Entries 44
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
Integral 0
13 0 0
27 0 0
4 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–25
–20
–15
–10
–5
0
5
10
15
20
25
0
–0.0
–0.0
–0.0
–0.0
–0.1


Sch-Tof KTime0 KCut: Cut3 & 0.1<m2&m2<0.4
Entries 53
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
Integral 0
13 0 0
34 0 0
6 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–25
–20
–15
–10
–5
0
5
10
15
20
25
0
–0.0
–0.0
–0.0
–0.0
–0.1


Sch-Tof KTime0 PCut: Cut3 & 0.6<m2&m2<1
Entries 231
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
Integral 0
74 0 0
135 0 0
22 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–25
–20
–15
–10
–5
0
5
10
15
20
25
0
–0.0
–0.0
–0.0
–0.0
–0.1


Sch-Tof Cut3 & 0<m2&m2<1
Entries 328
Mean 0
Std Dev 0
Underflow 328
Overflow 0
Integral 0
10
1
10^-1
10^-2
–25
–20
–15
–10
–5
0
5
10
15
20
25


Sch-Tof Cut3 & 1<m2&m2<0
Entries 409
Mean −80.22
Std Dev 4.517
Underflow 0
Overflow 0
Integral 409
10^2
10
1
−100
−80
−60
−40
−20
0
20
40
60
80
100


Sch-Tof KTime0 PCut: Cut3 & 0.6<m2&m2<1
Pion
Kaon
Proton
1
0.8
0.6
0.4
0.2
0
–25
–20
–15
–10
–5
0
5
10
15
20
25