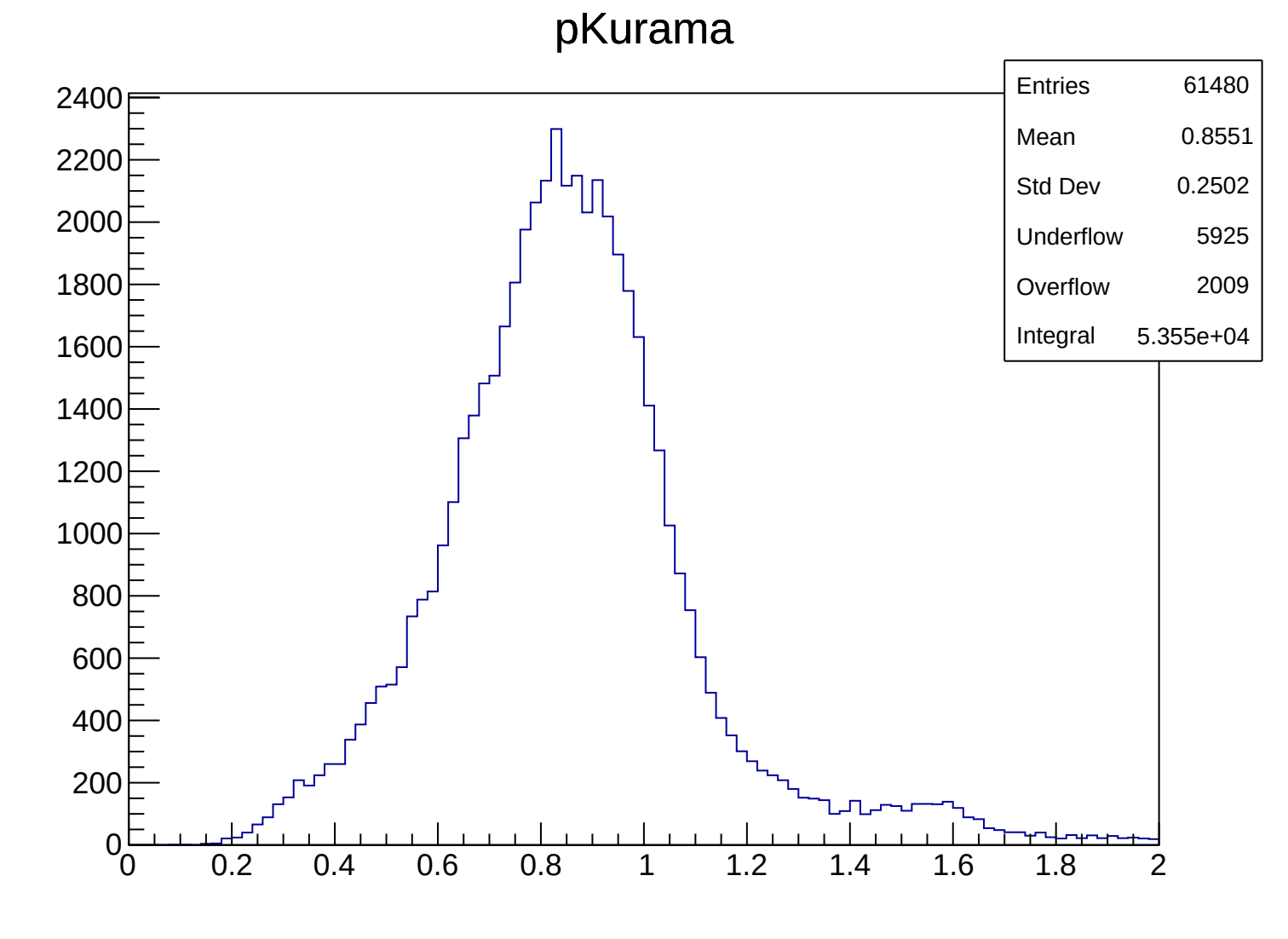
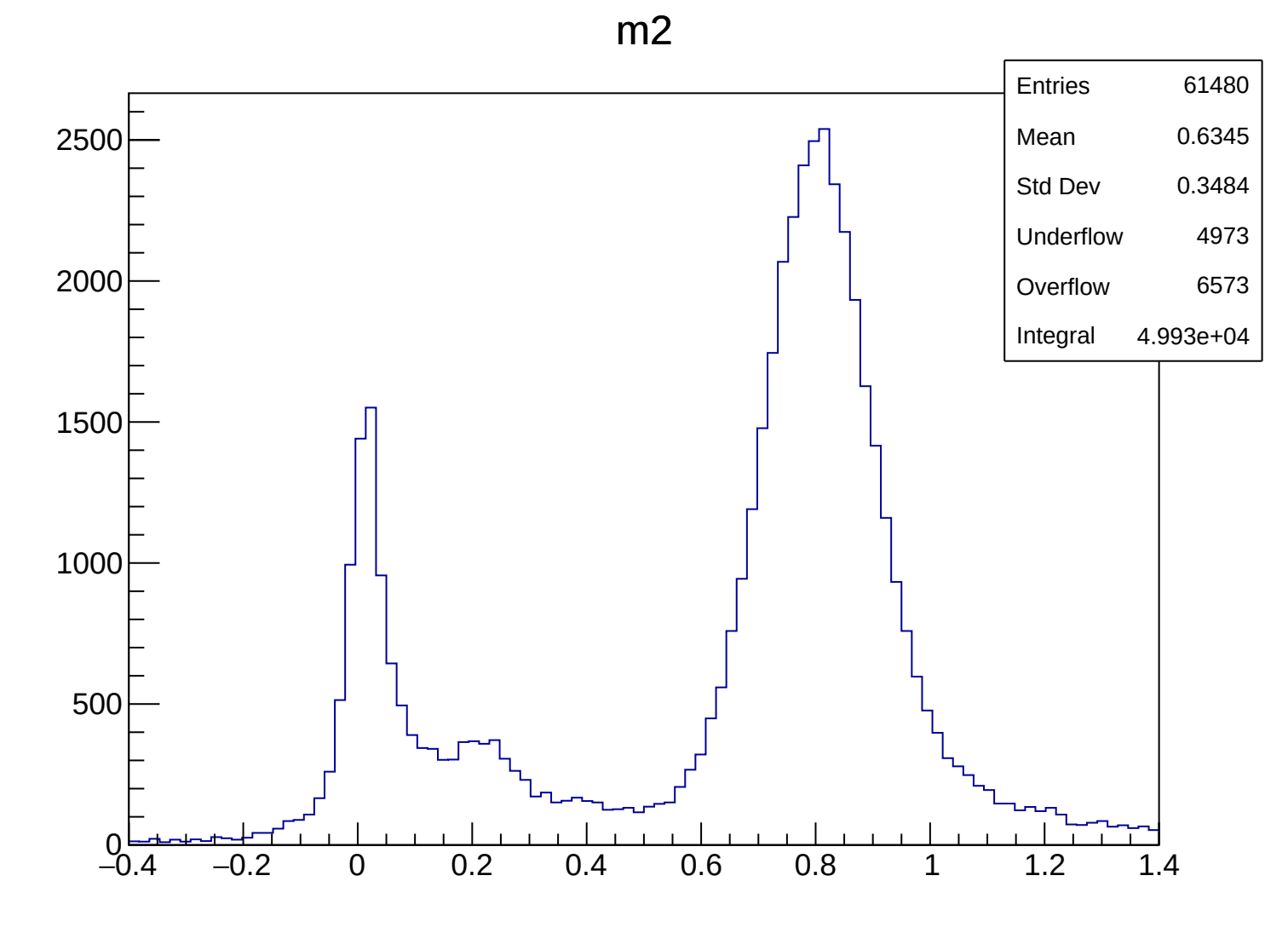
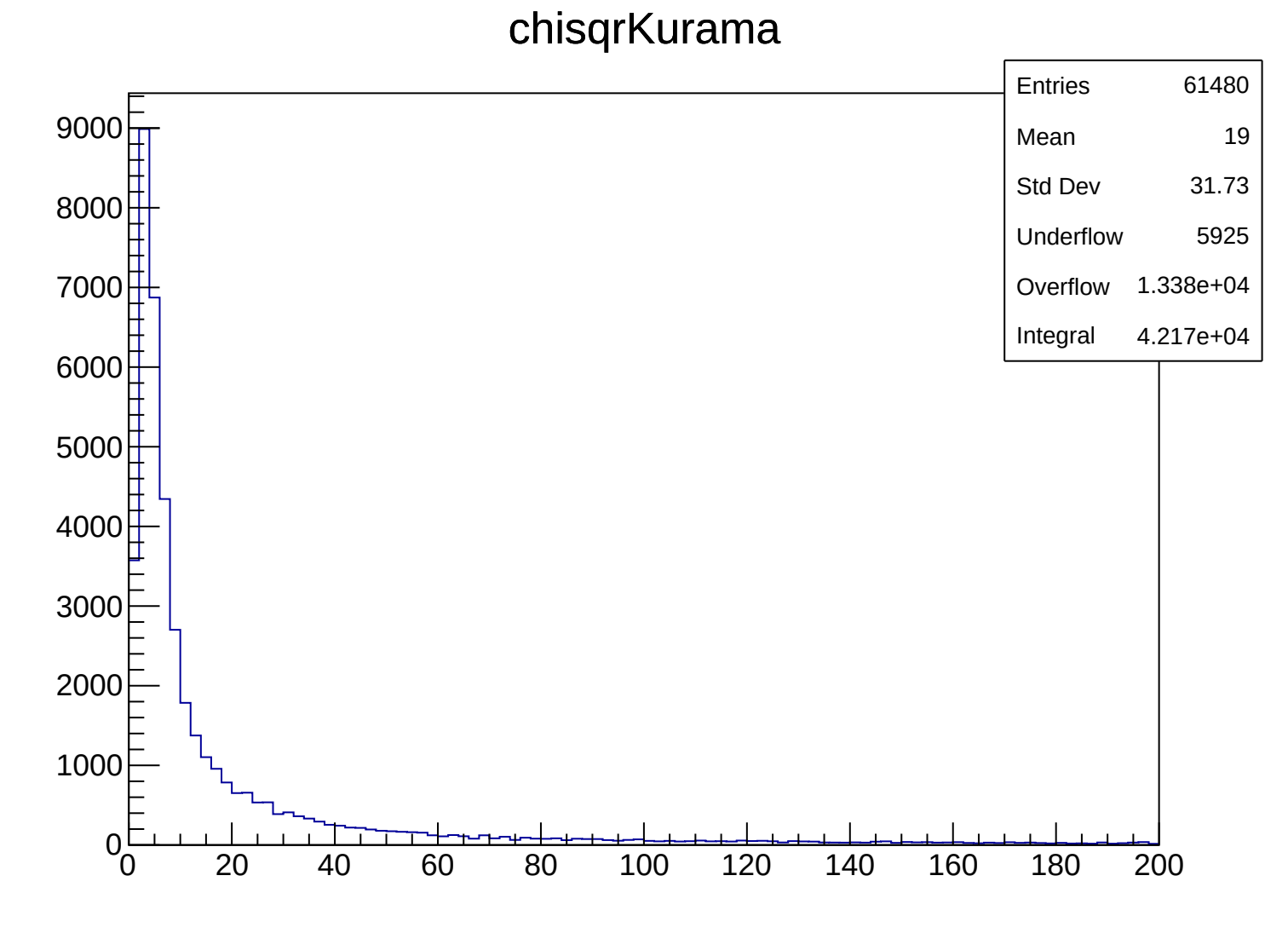
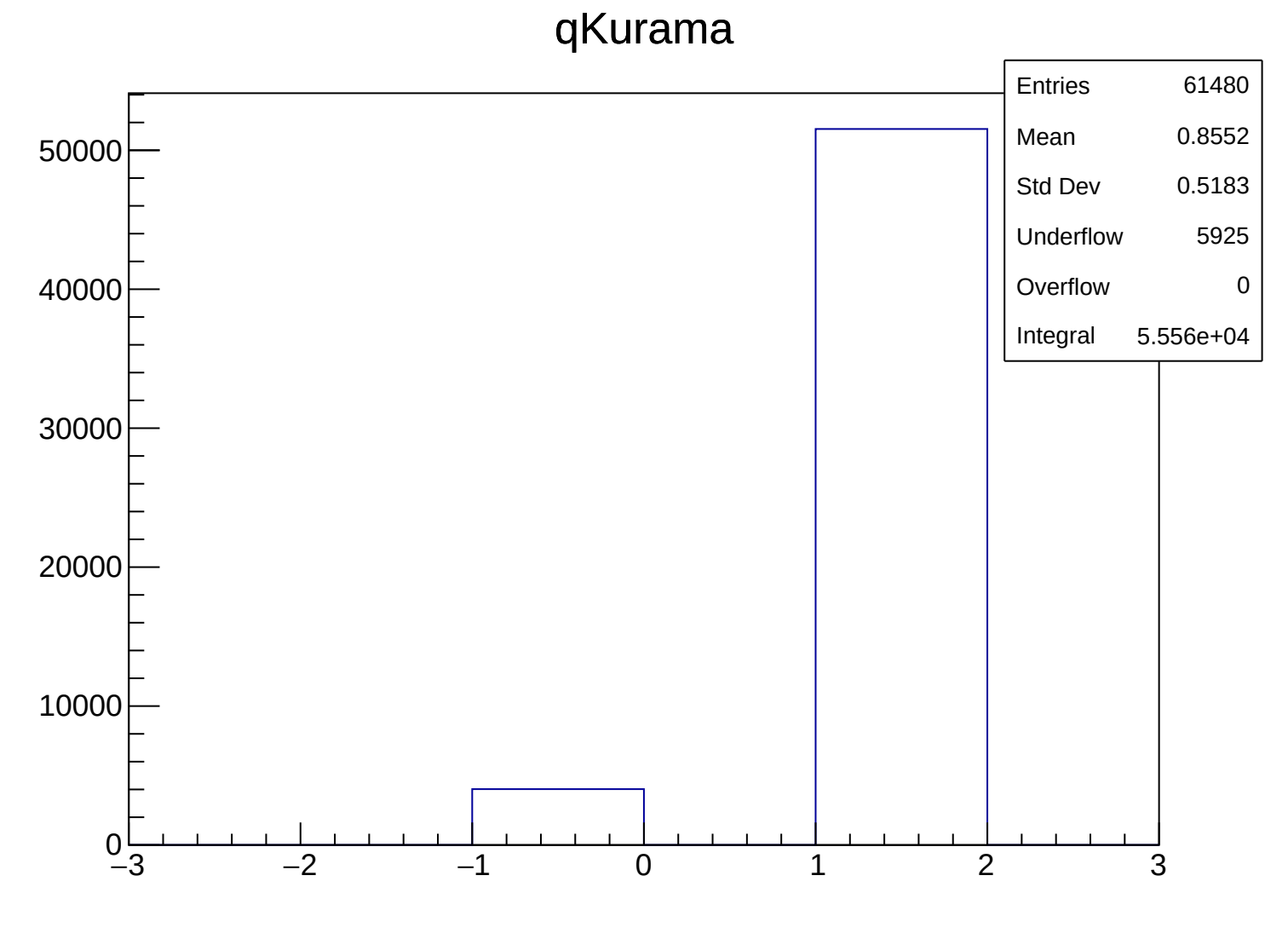
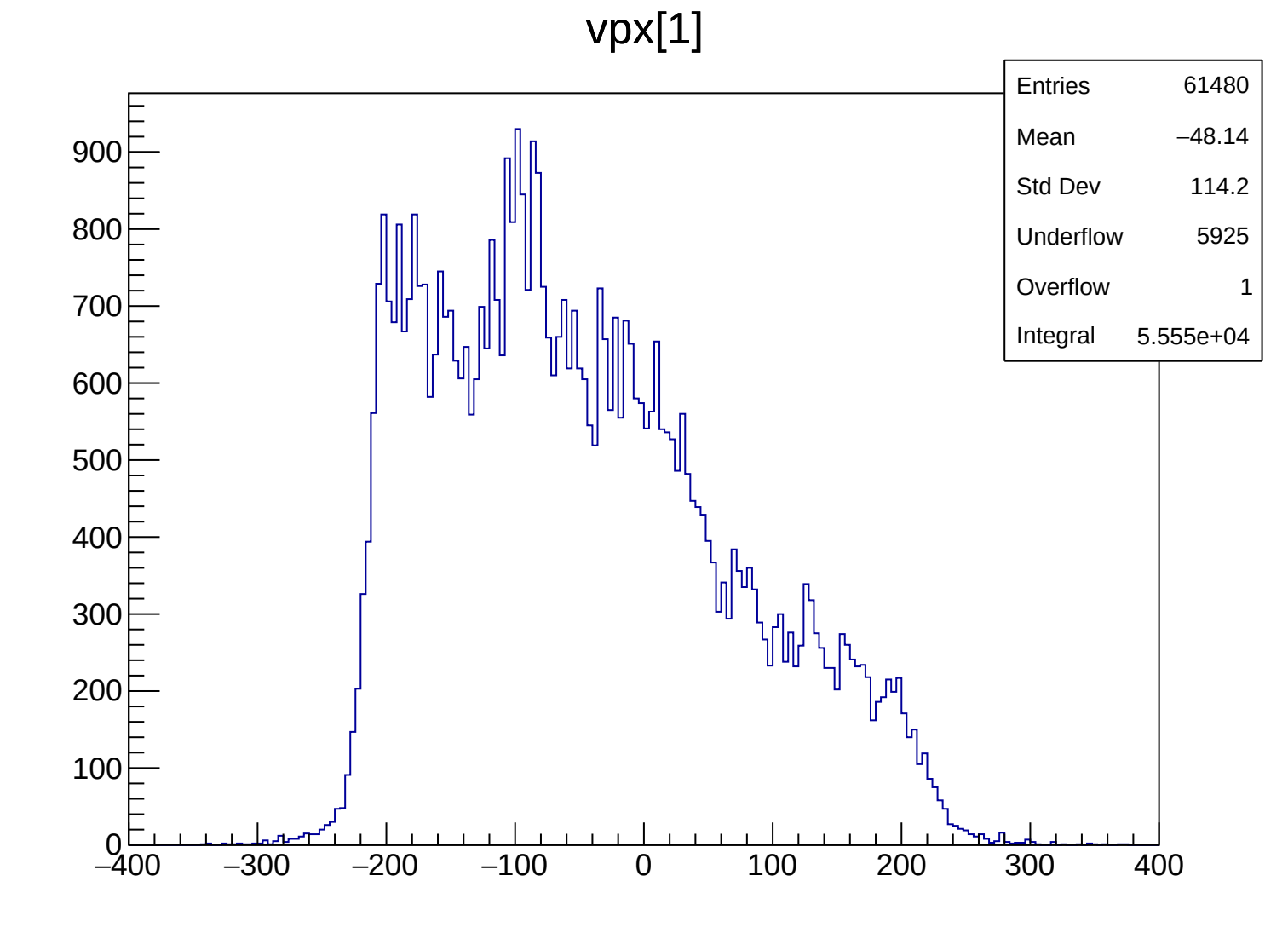
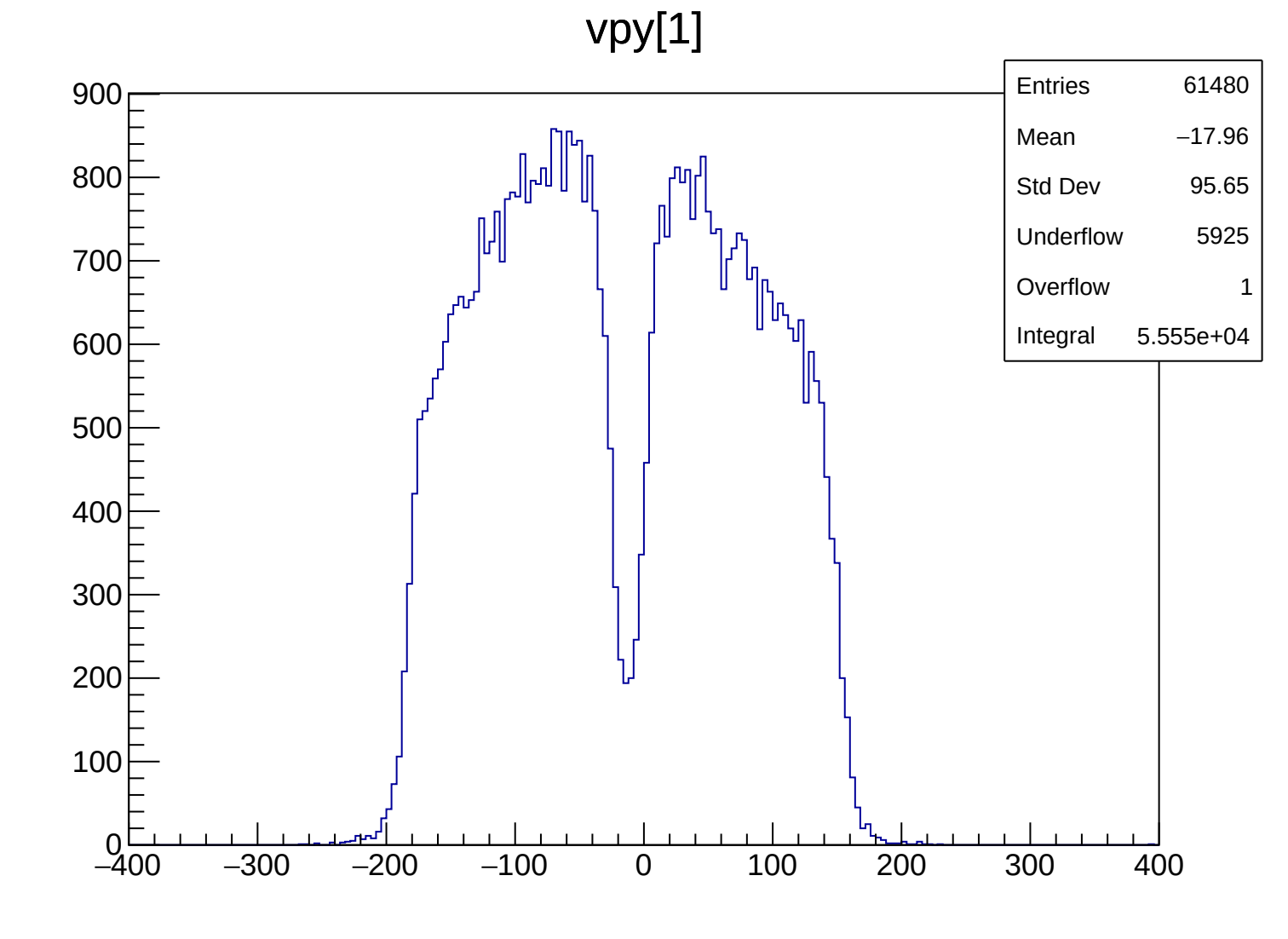

pKurama
Entries 61480
Mean 0.8551
Std Dev 0.2502
Underflow 5925
Overflow 2009
Integral 5.355e+04
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

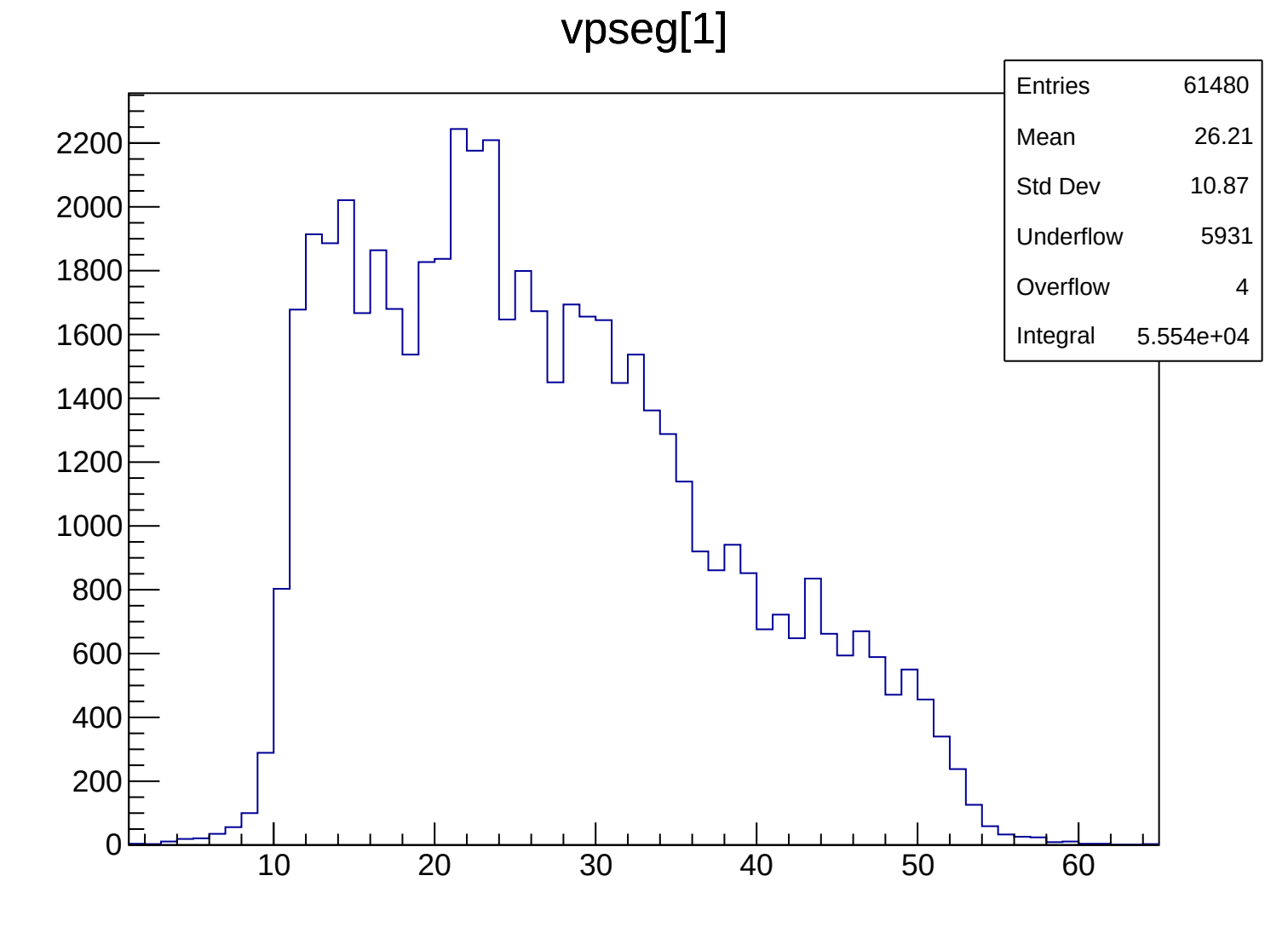

m2
Entries 61480
Mean 0.6345
Std Dev 0.3484
Underflow 4973
Overflow 6573
Integral 4.993e+04
2500
2000
1500
1000
500
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

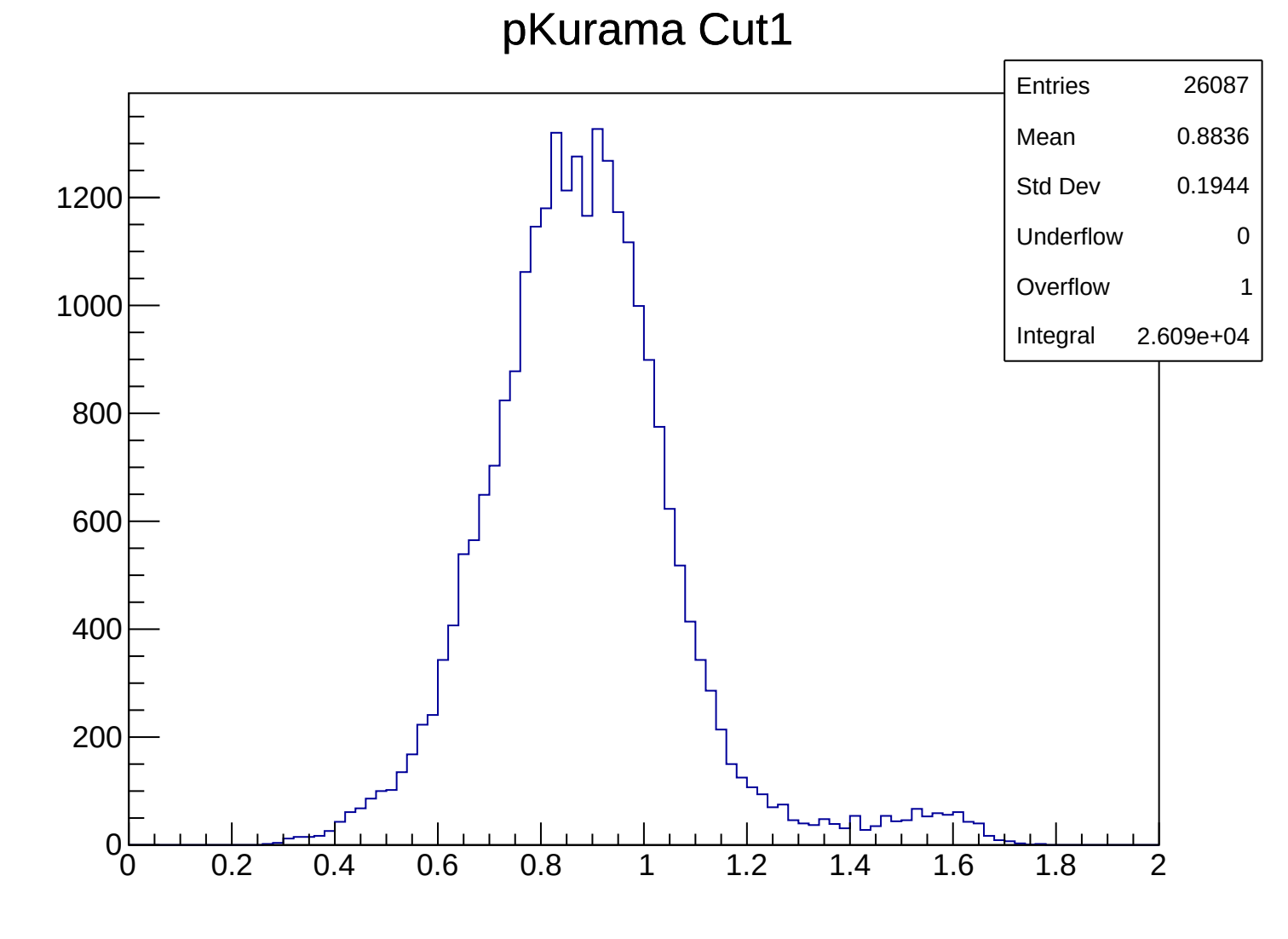

chisqrKurama
Entries 61480
Mean 19
Std Dev 31.73
Underflow 5925
Overflow 1.338e+04
Integral 4.217e+04
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
160
180
200

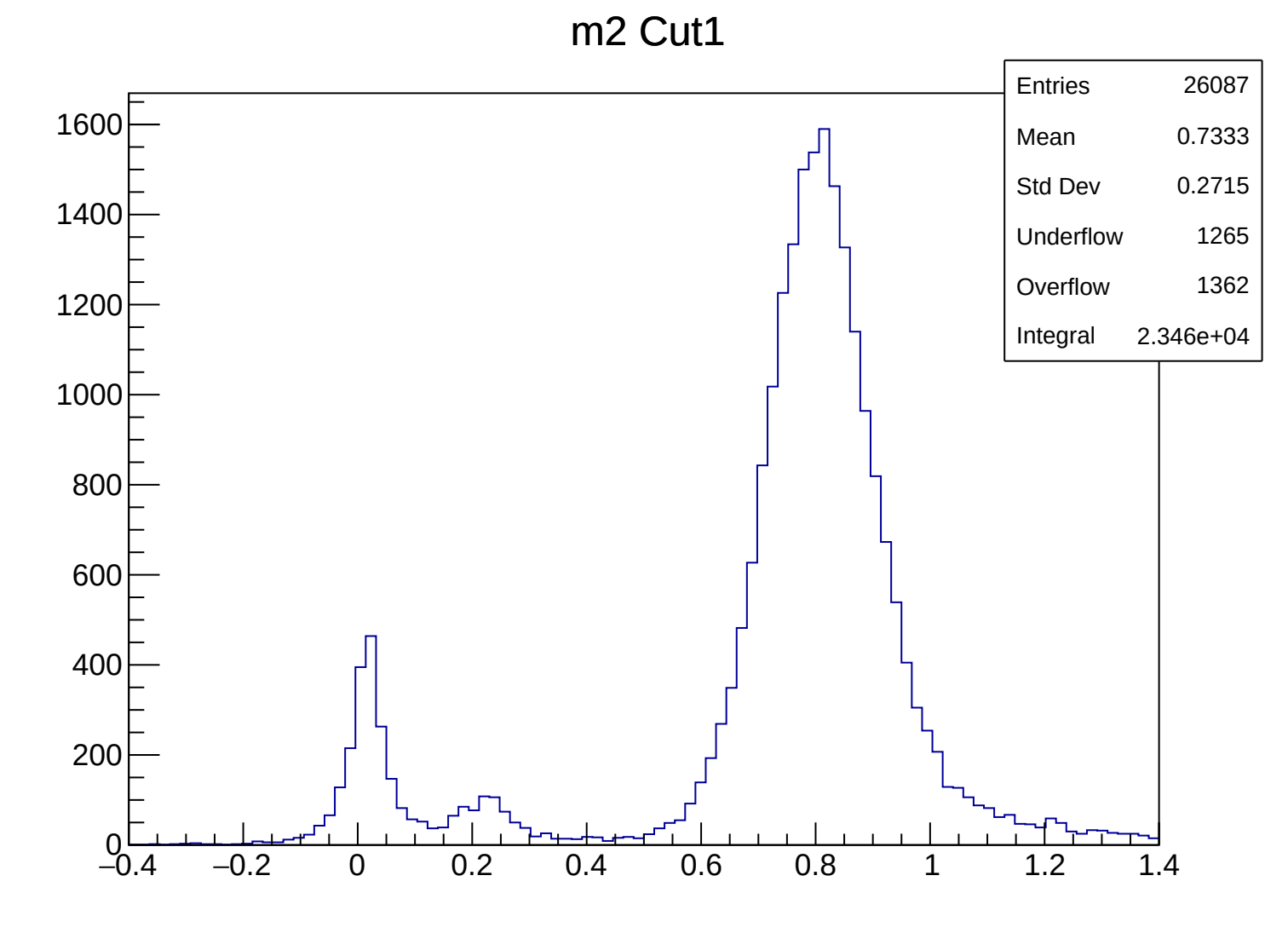

qKurama
Entries 61480
Mean 0.8552
Std Dev 0.5183
Underflow 5925
Overflow 0
Integral 5.556e+04
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

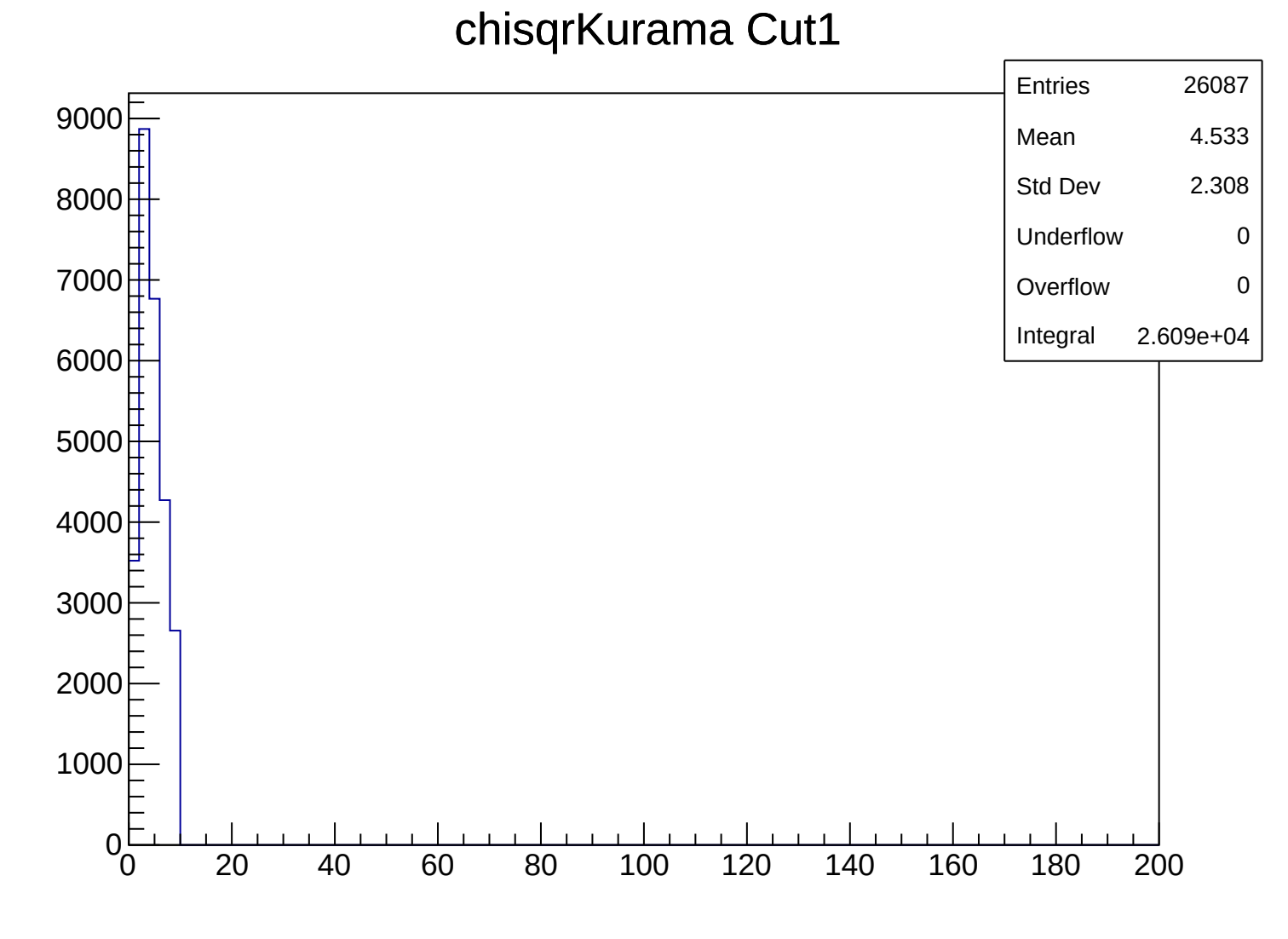

vpx[1]
Entries 61480
Mean −48.14
Std Dev 114.2
Underflow 5925
Overflow 1
Integral 5.555e+04
900
800
700
600
500
400
300
200
100
0
−400
−300
−200
−100
0
100
200
300
400

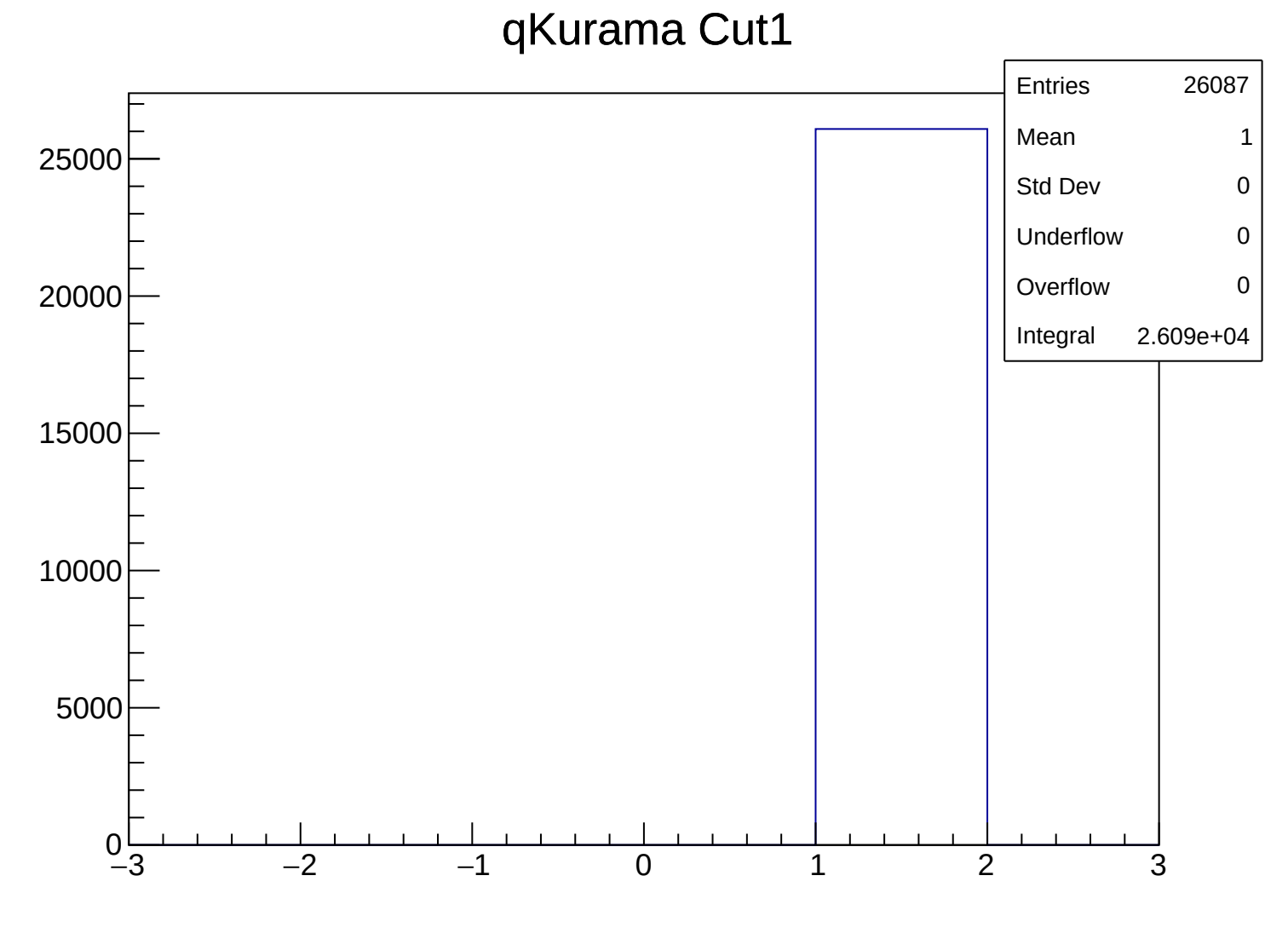

vpy[1]
Entries 61480
Mean –17.96
Std Dev 95.65
Underflow 5925
Overflow 1
Integral 5.555e+04
900
800
700
600
500
400
300
200
100
0
–400
–300
–200
–100
0
100
200
300
400

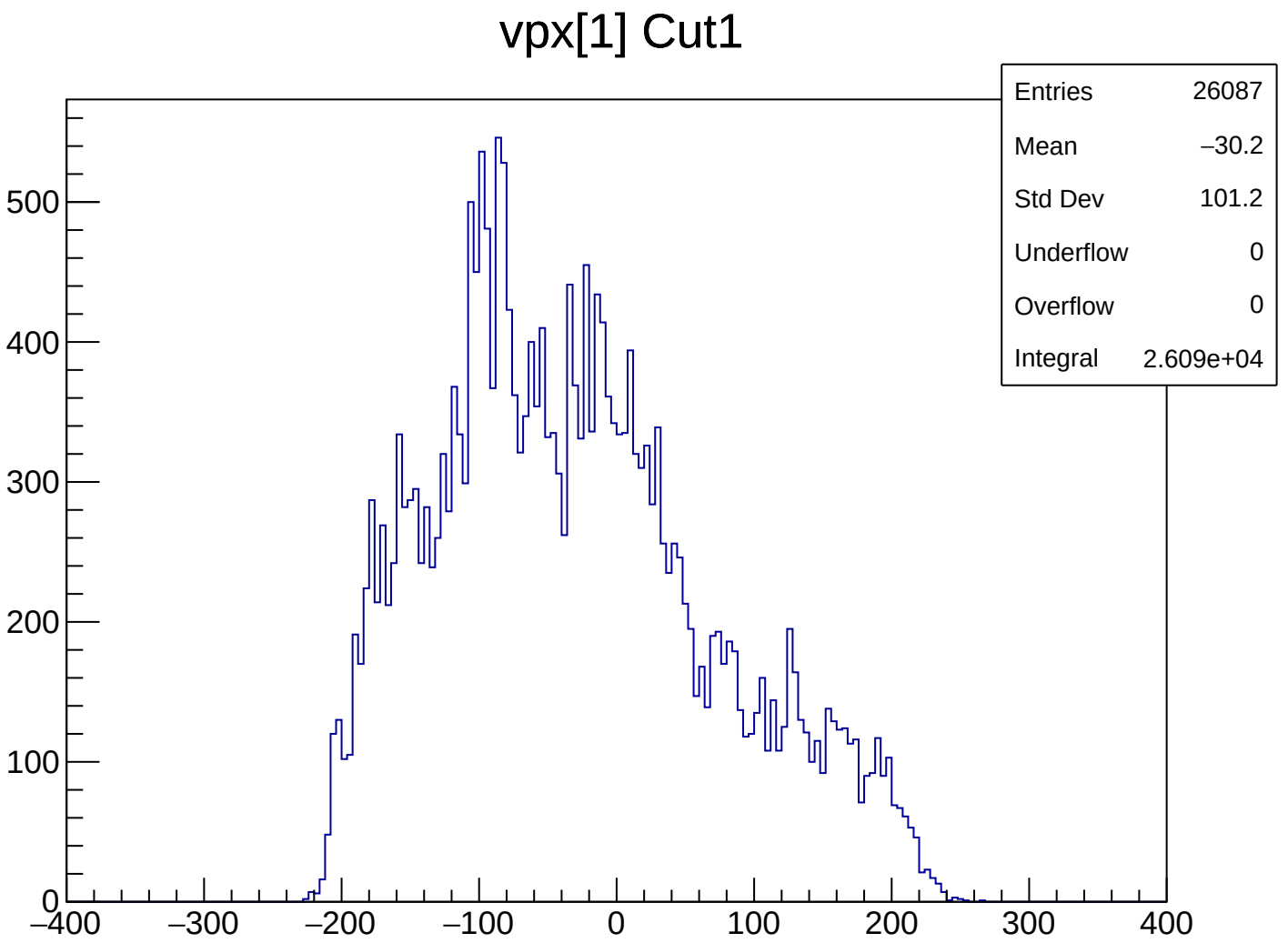

vpseg[1]
Entries 61480
Mean 26.21
Std Dev 10.87
Underflow 5931
Overflow 4
Integral 5.554e+04
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
10
20
30
40
50
60

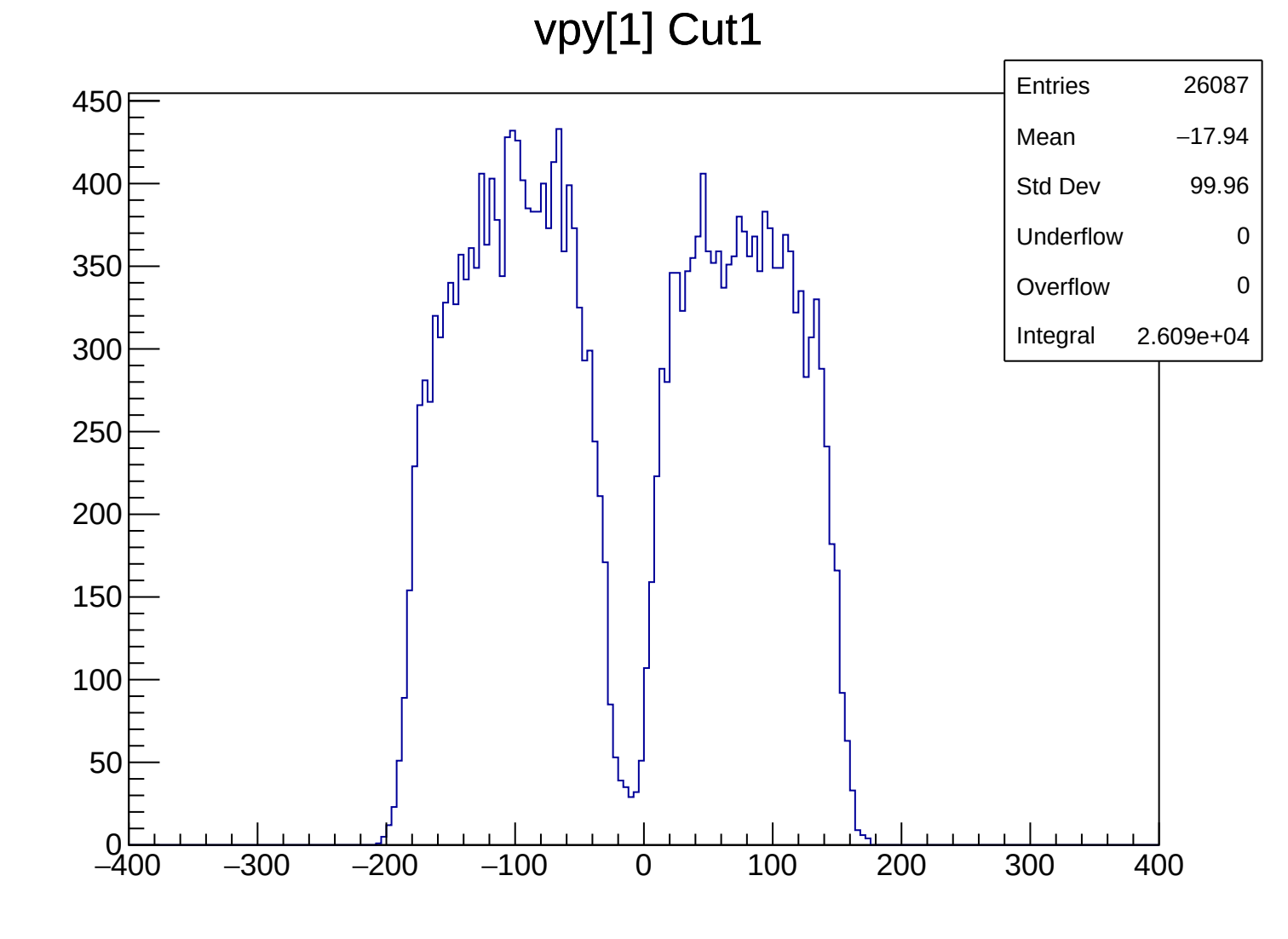

pKurama Cut1
Entries 26087
Mean 0.8836
Std Dev 0.1944
Underflow 0
Overflow 1
Integral 2.609e+04
0
200
400
600
800
1000
1200
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

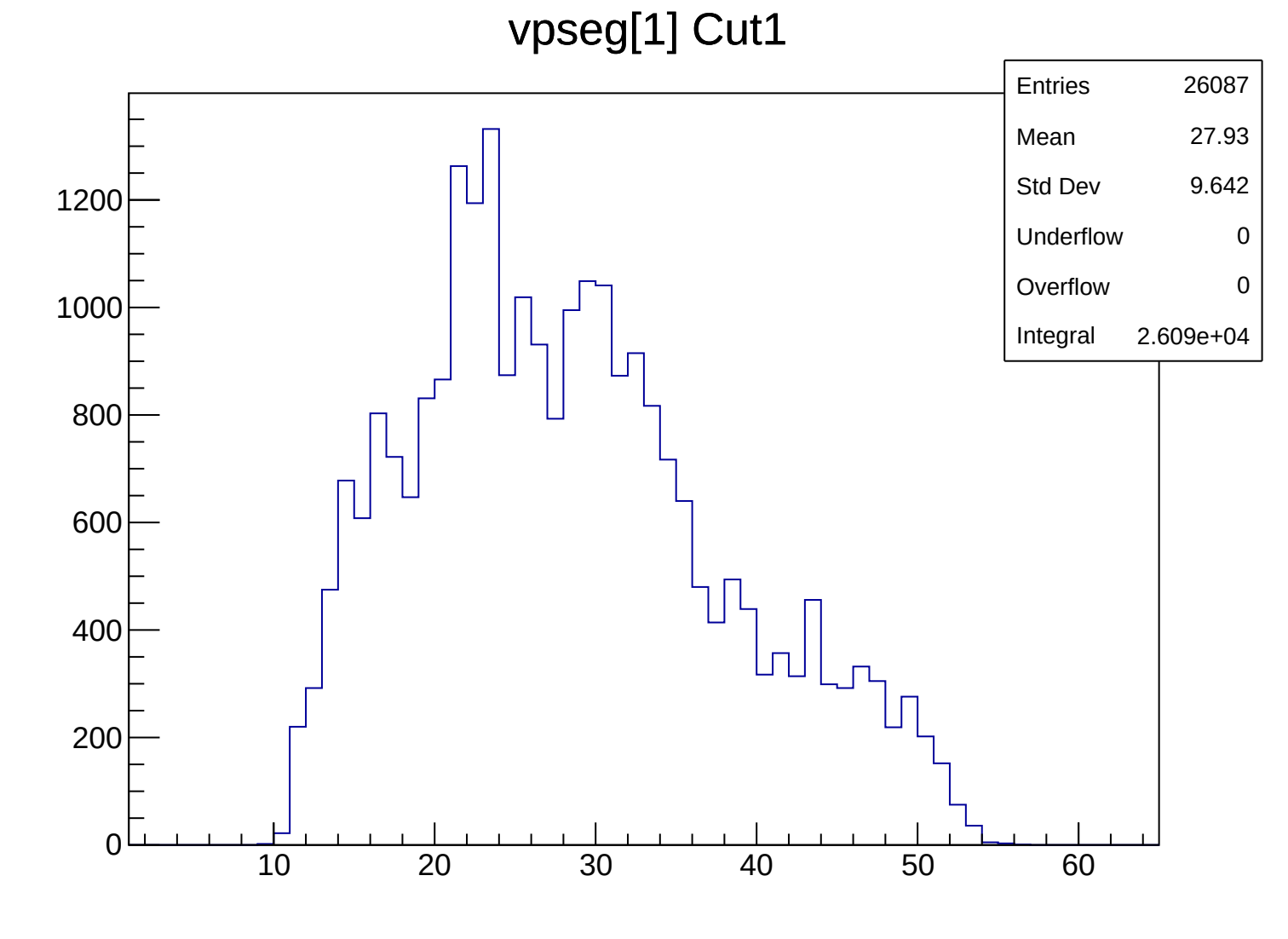

m2 Cut1
Entries 26087
Mean 0.7333
Std Dev 0.2715
Underflow 1265
Overflow 1362
Integral 2.346e+04
1600
1400
1200
1000
800
600
400
200
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

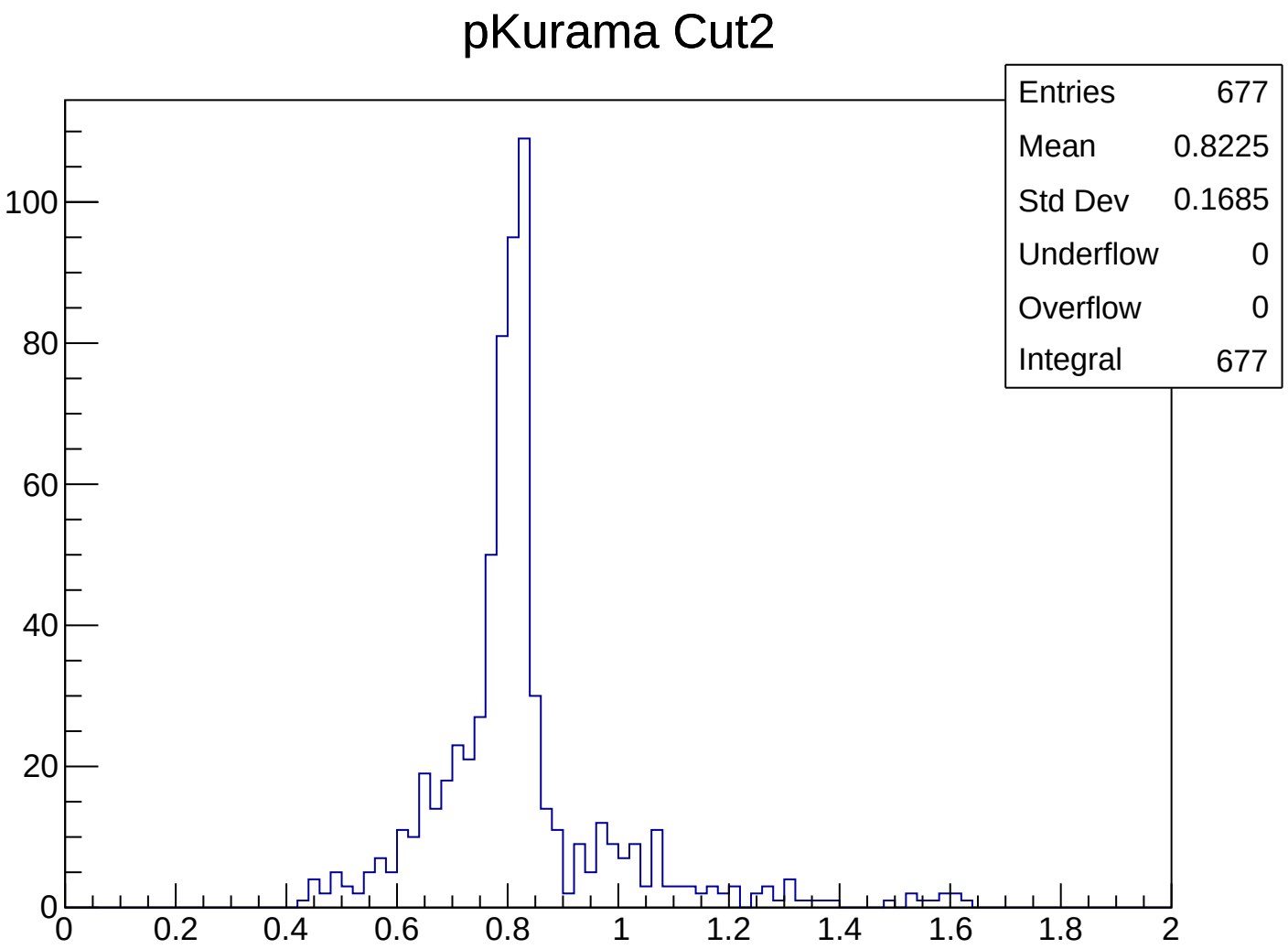

chisqrKurama Cut1
Entries 26087
Mean 4.533
Std Dev 2.308
Underflow 0
Overflow 0
Integral 2.609e+04
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
160
180
200

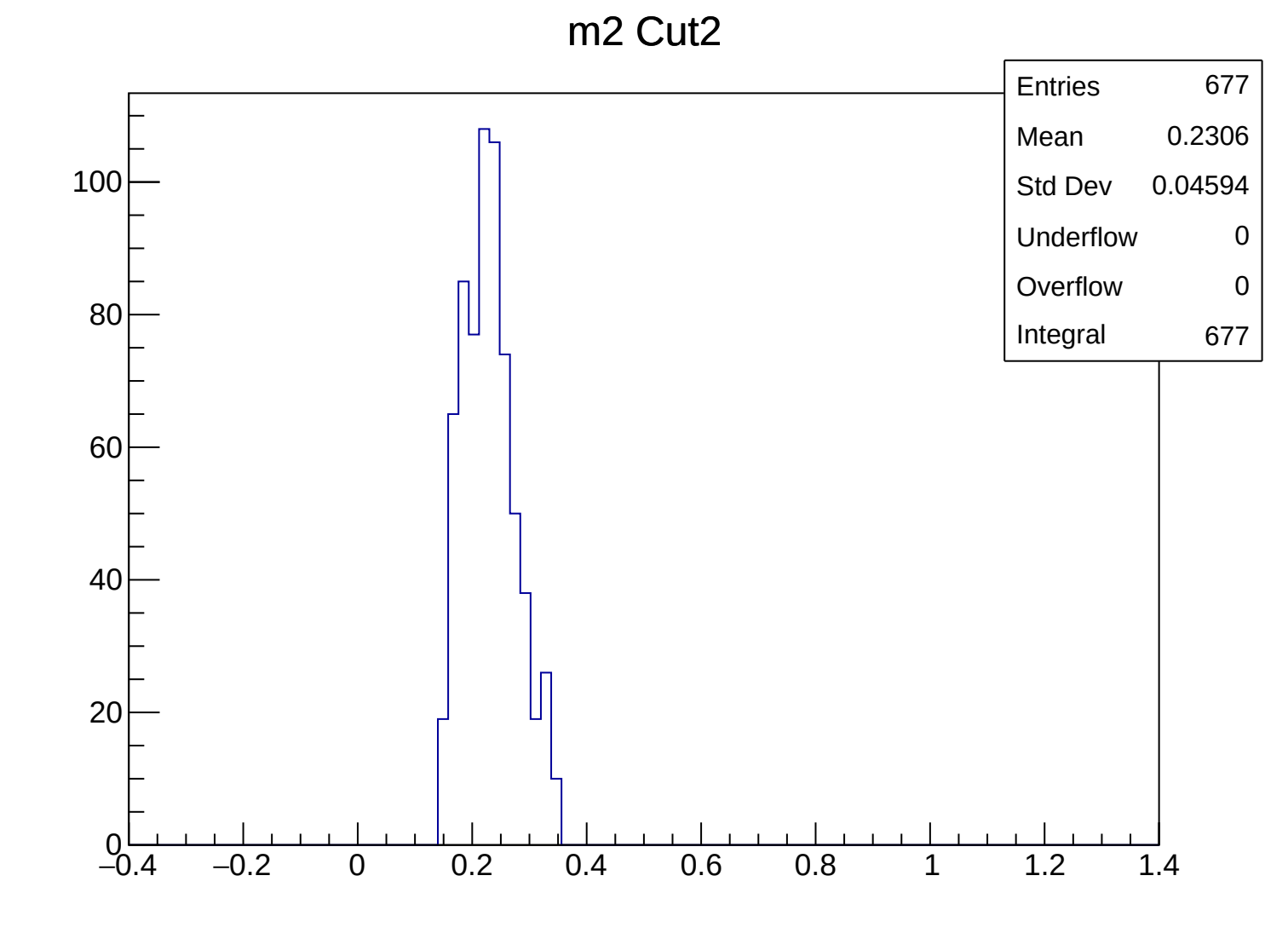

qKurama Cut1
Entries 26087
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 2.609e+04
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3

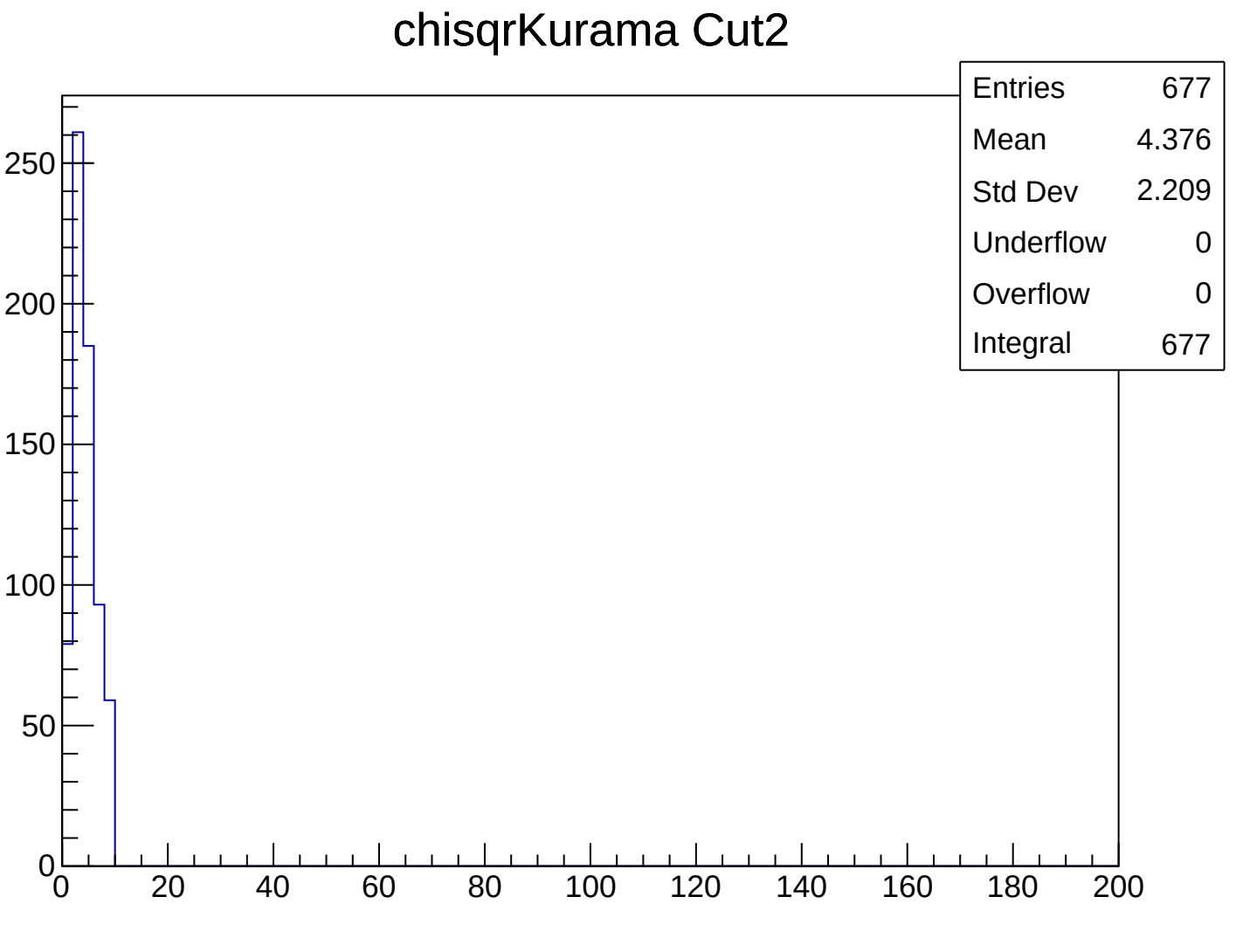

vpx[1] Cut1
Entries 26087
Mean −30.2
Std Dev 101.2
Underflow 0
Overflow 0
Integral 2.609e+04
500
400
300
200
100
0
−400
−300
−200
−100
0
100
200
300
400

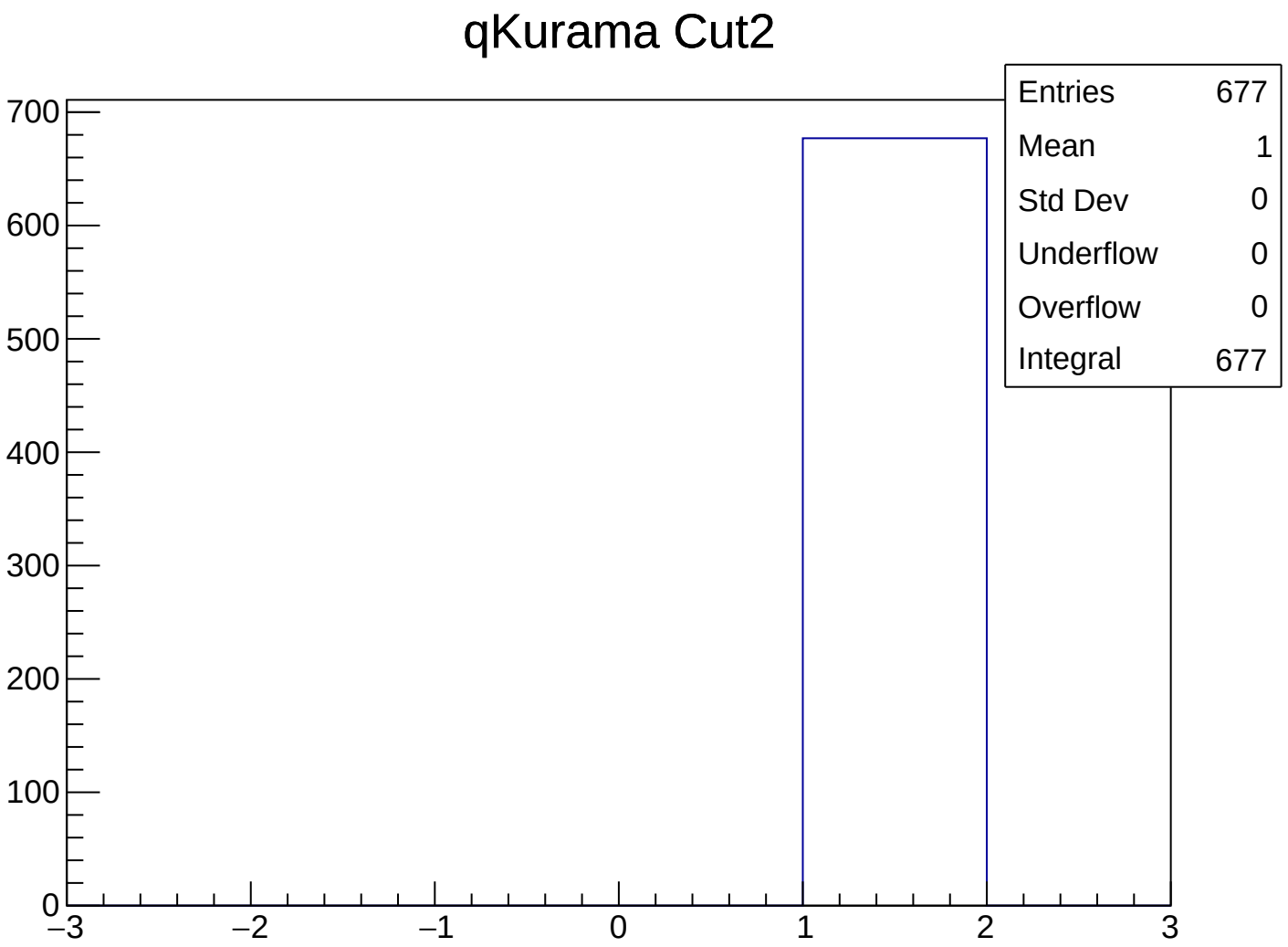

vpy[1] Cut1
Entries 26087
Mean –17.94
Std Dev 99.96
Underflow 0
Overflow 0
Integral 2.609e+04
450
400
350
300
250
200
150
100
50
0
–400
–300
–200
–100
0
100
200
300
400

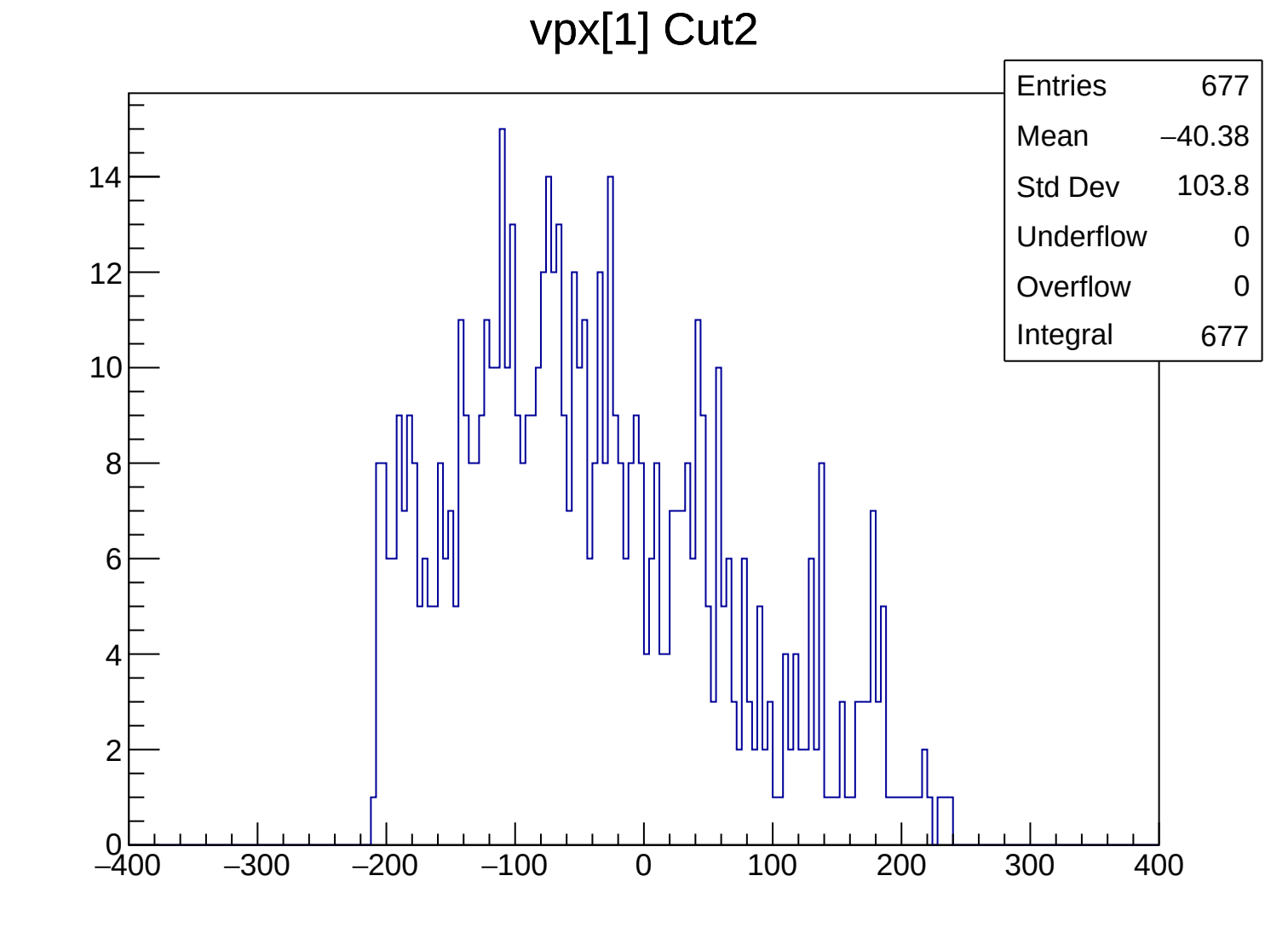

vpseg[1] Cut1
Entries 26087
Mean 27.93
Std Dev 9.642
Underflow 0
Overflow 0
Integral 2.609e+04
0
200
400
600
800
1000
1200
10
20
30
40
50
60

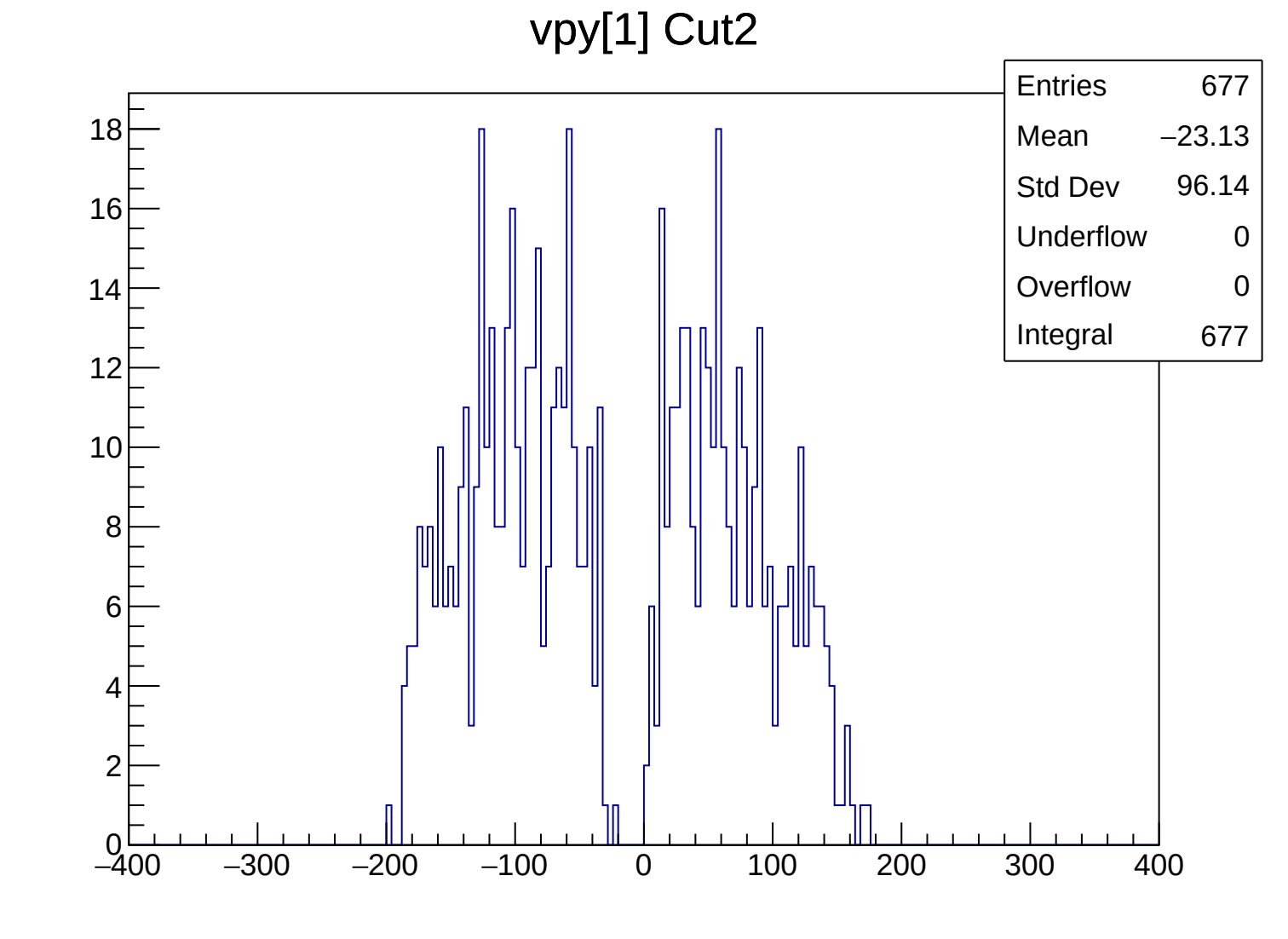

pKurama Cut2
Entries 677
Mean 0.8225
Std Dev 0.1685
Underflow 0
Overflow 0
Integral 677
0
20
40
60
80
100
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

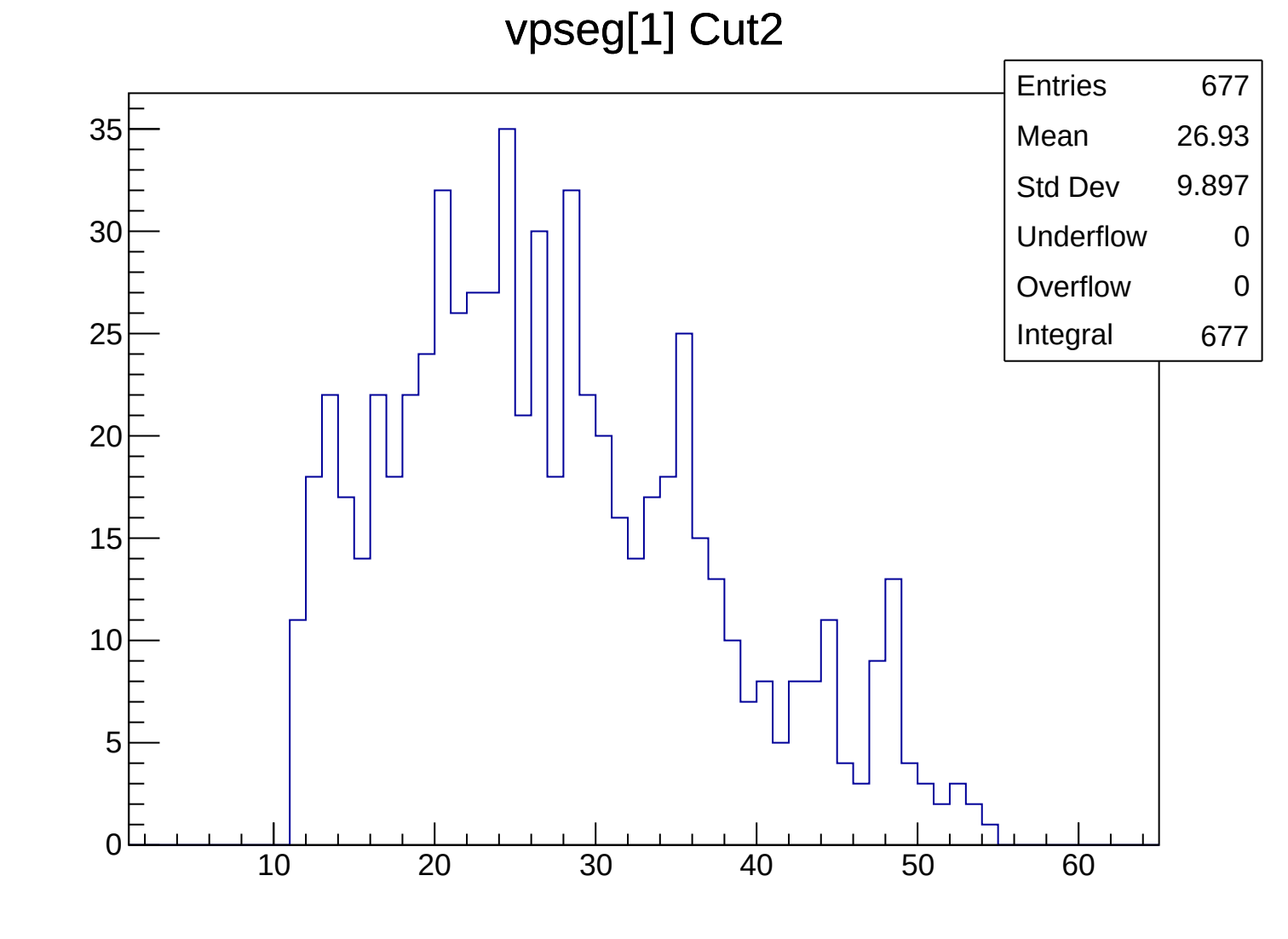

m2 Cut2
Entries 677
Mean 0.2306
Std Dev 0.04594
Underflow 0
Overflow 0
Integral 677
100
80
60
40
20
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

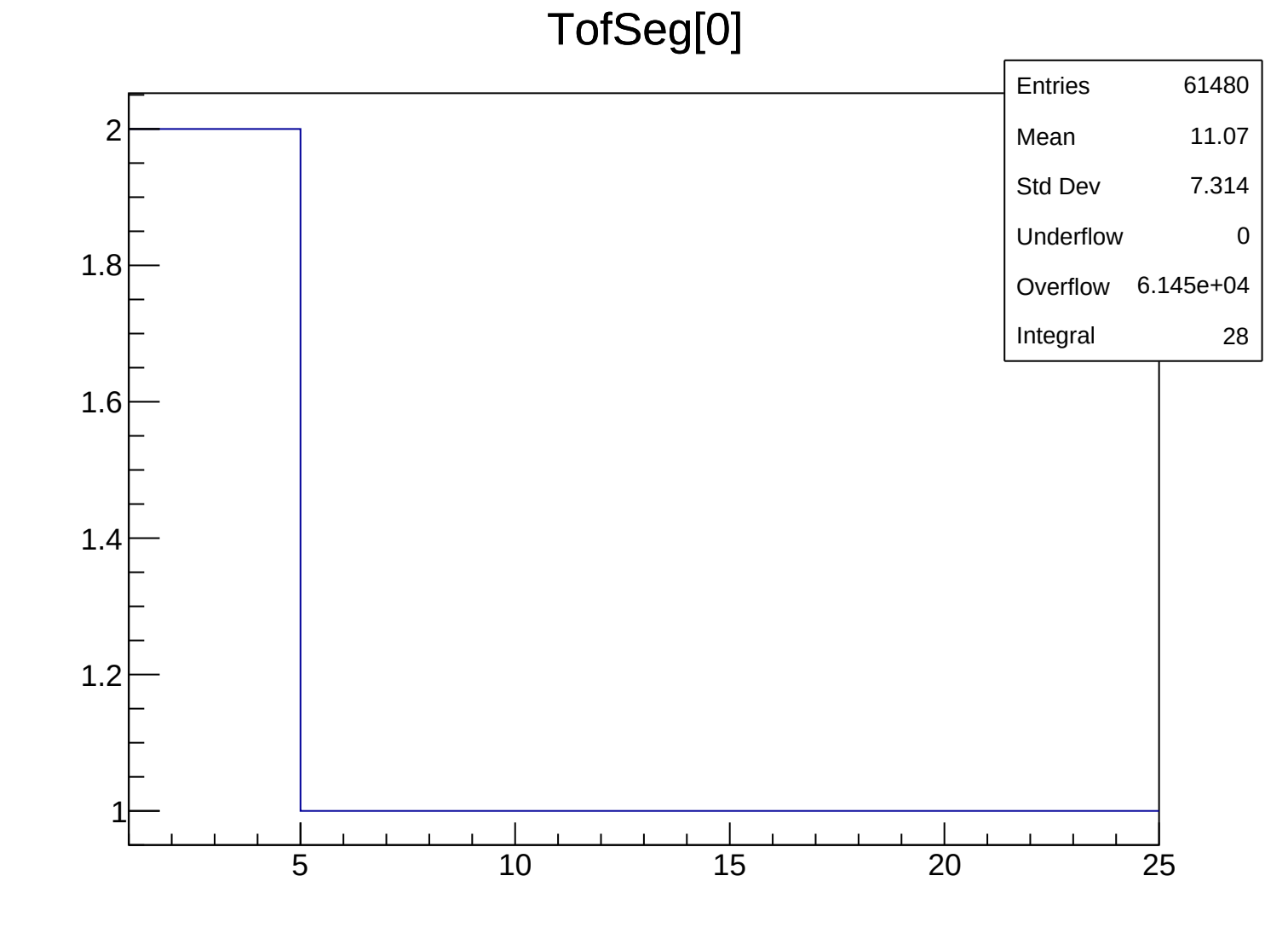

chisqrKurama Cut2
Entries 677
Mean 4.376
Std Dev 2.209
Underflow 0
Overflow 0
Integral 677
250
200
150
100
50
0
0
20
40
60
80
100
120
140
160
180
200

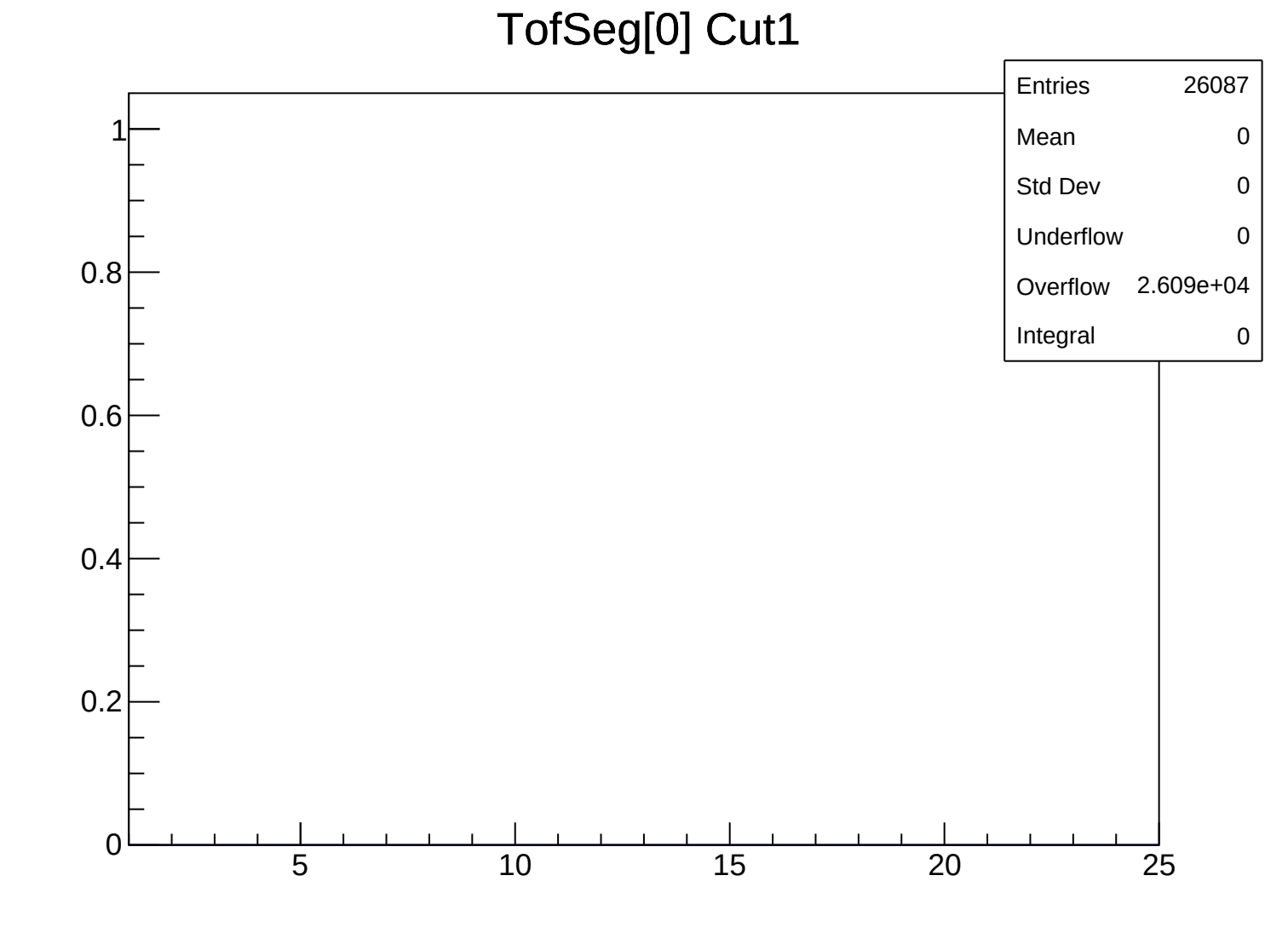

qKurama Cut2
Entries 677
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 677
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3

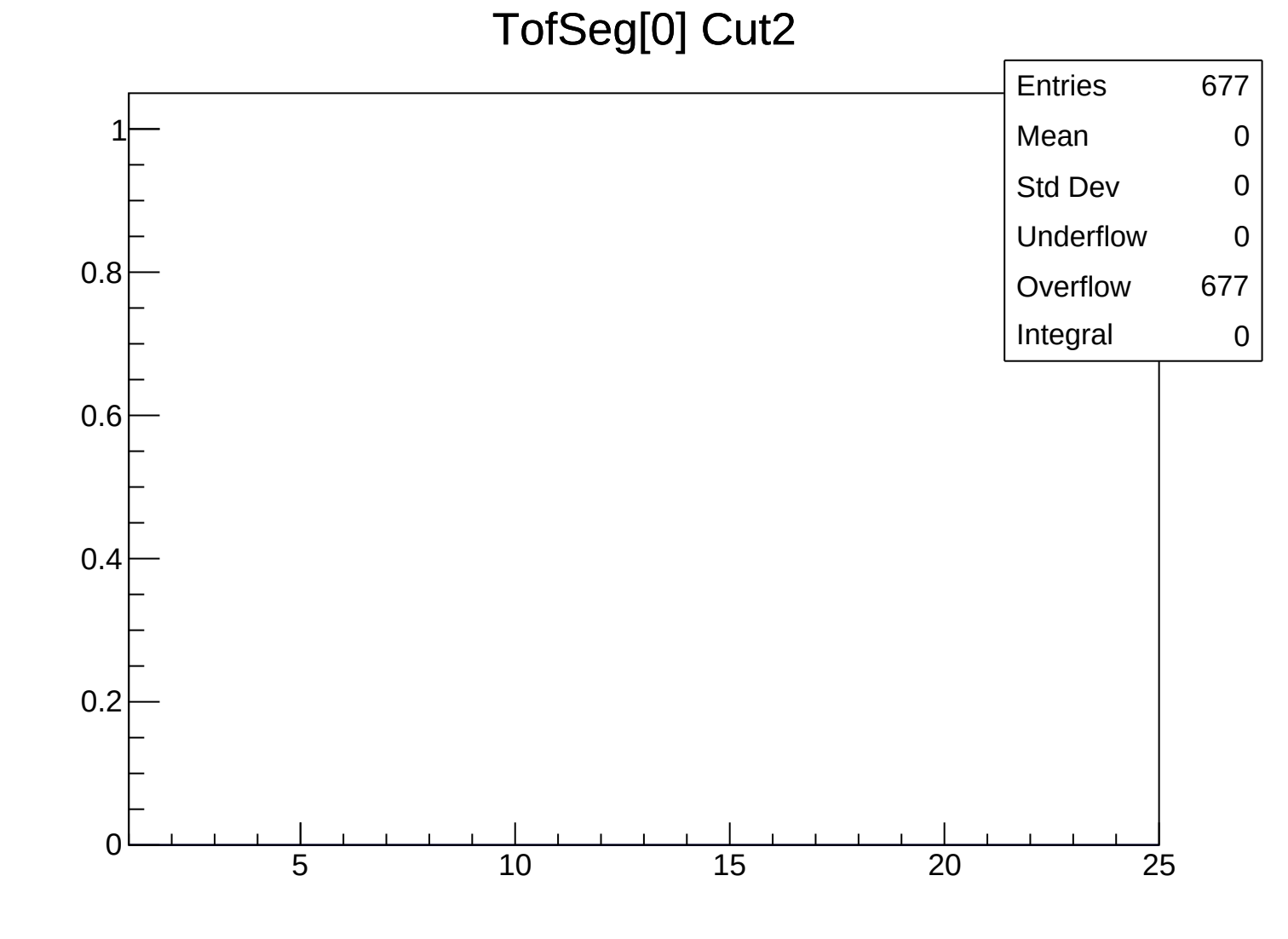

vpx[1] Cut2
Entries 677
Mean –40.38
Std Dev 103.8
Underflow 0
Overflow 0
Integral 677
14
12
10
8
6
4
2
0
–400
–300
–200
–100
0
100
200
300
400

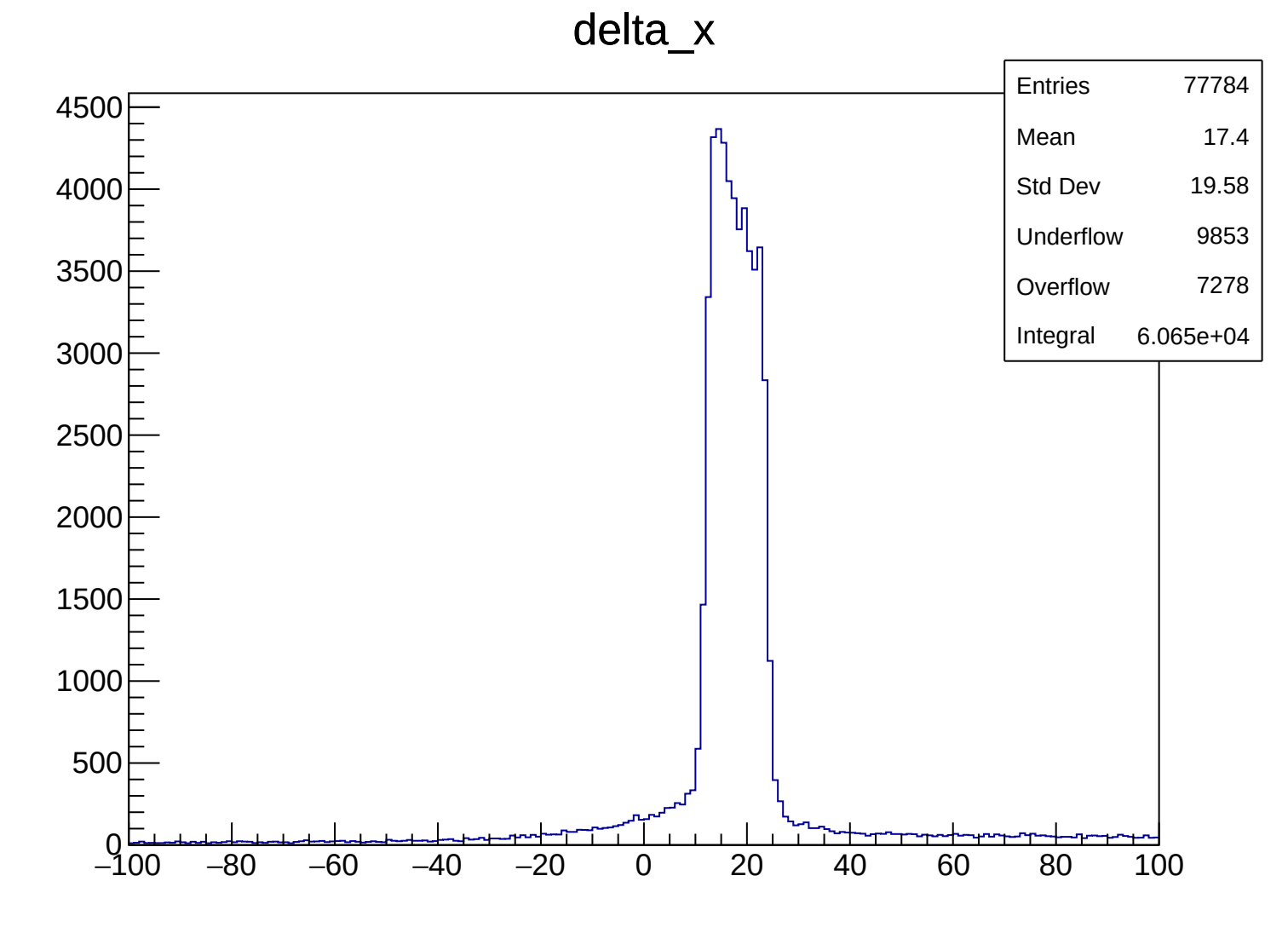

vpy[1] Cut2
Entries 677
Mean −23.13
Std Dev 96.14
Underflow 0
Overflow 0
Integral 677
18
16
14
12
10
8
6
4
2
0
−400
−300
−200
−100
0
100
200
300
400

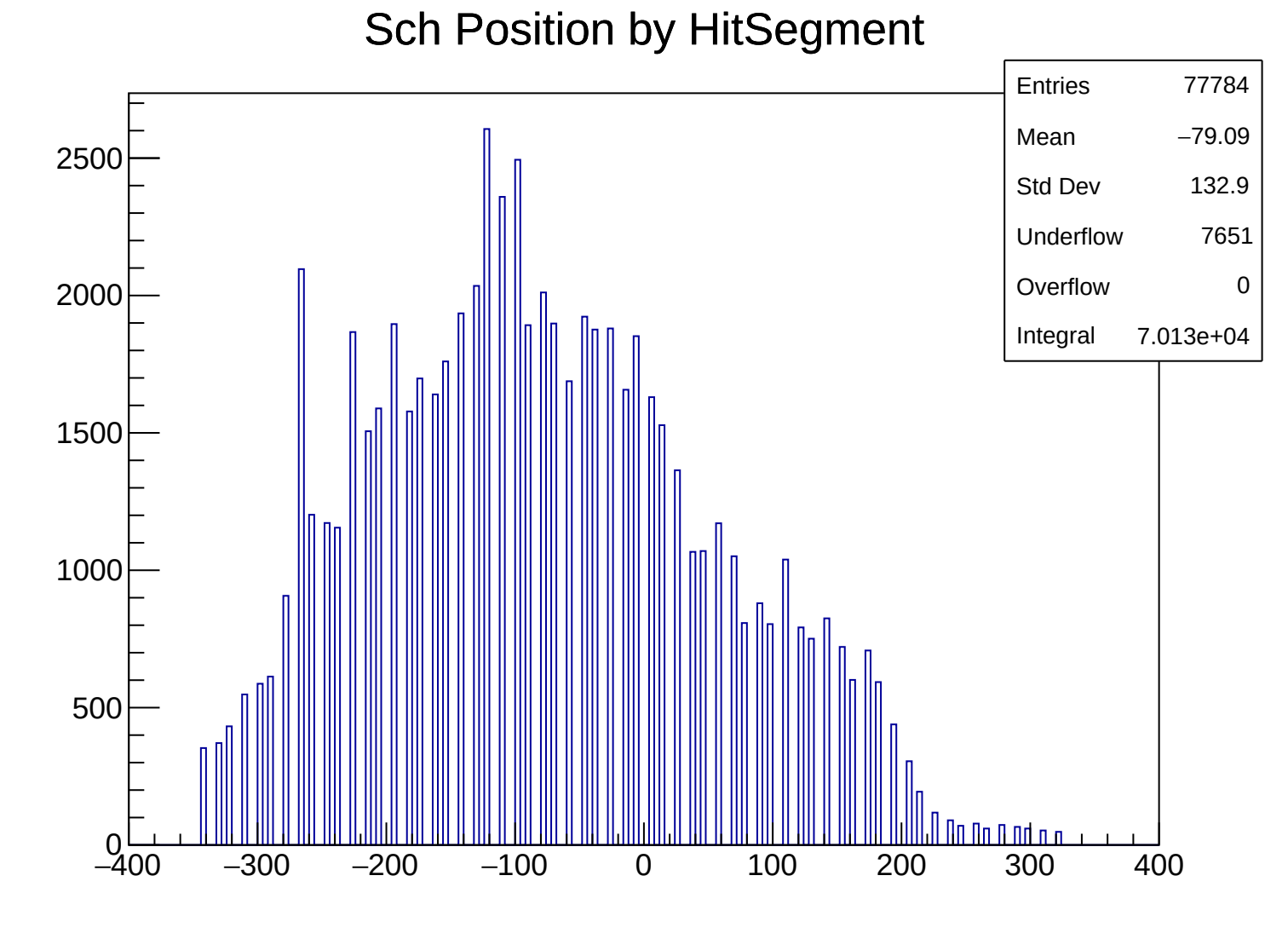

vpseg[1] Cut2
Entries 677
Mean 26.93
Std Dev 9.897
Underflow 0
Overflow 0
Integral 677
0
5
10
15
20
25
30
35
10
20
30
40
50
60

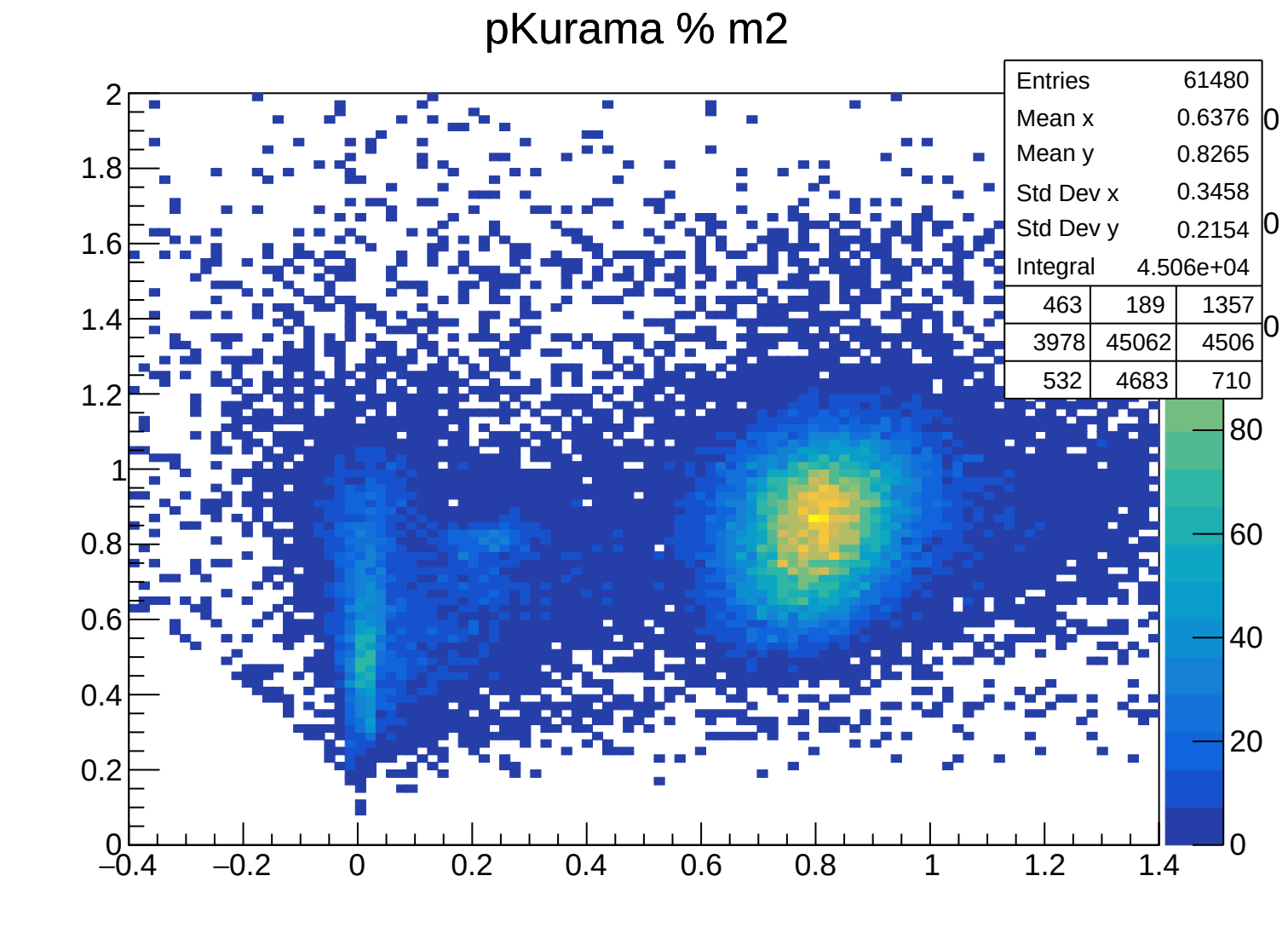

TofSeg[0]
Entries 61480
Mean 11.07
Std Dev 7.314
Underflow 0
Overflow 6.145e+04
Integral 28
2
1.8
1.6
1.4
1.2
1
5
10
15
20
25

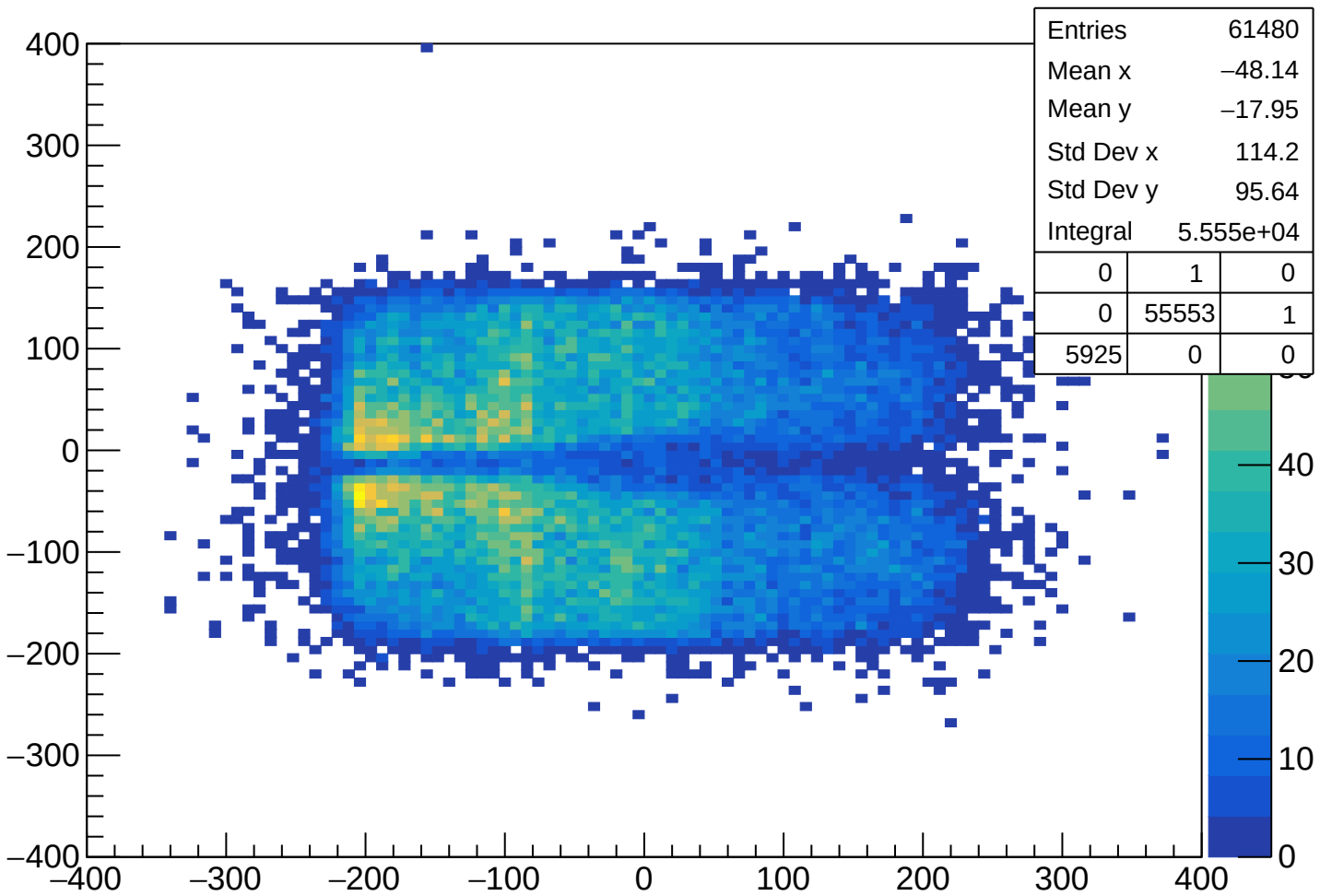

TofSeg[0] Cut1
Entries 26087
Mean 0
Std Dev 0
Underflow 0
Overflow 2.609e+04
Integral 0
1
0.8
0.6
0.4
0.2
0
5
10
15
20
25

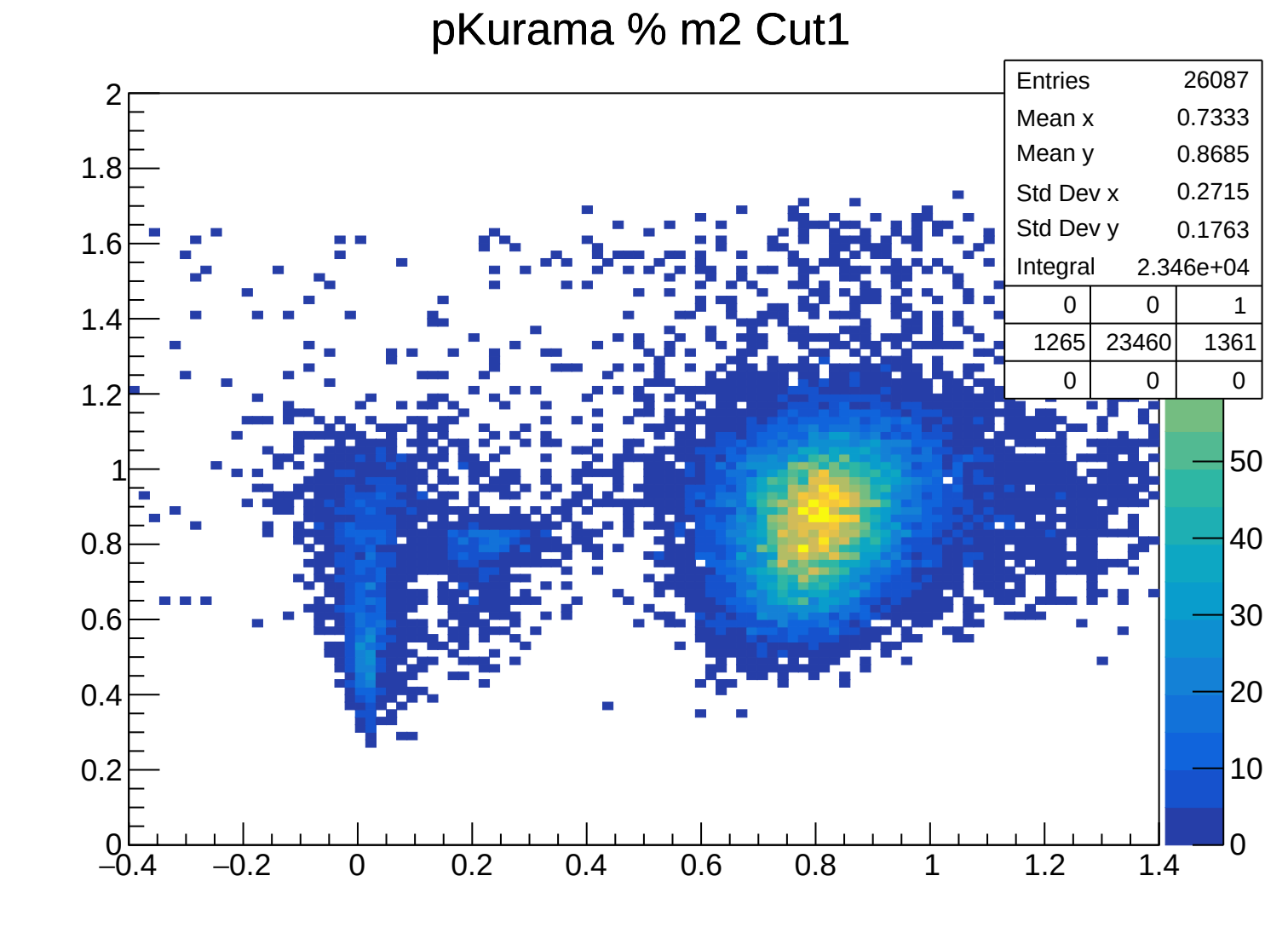

TofSeg[0] Cut2
Entries 677
Mean 0
Std Dev 0
Underflow 0
Overflow 677
Integral 0
1
0.8
0.6
0.4
0.2
0
5
10
15
20
25

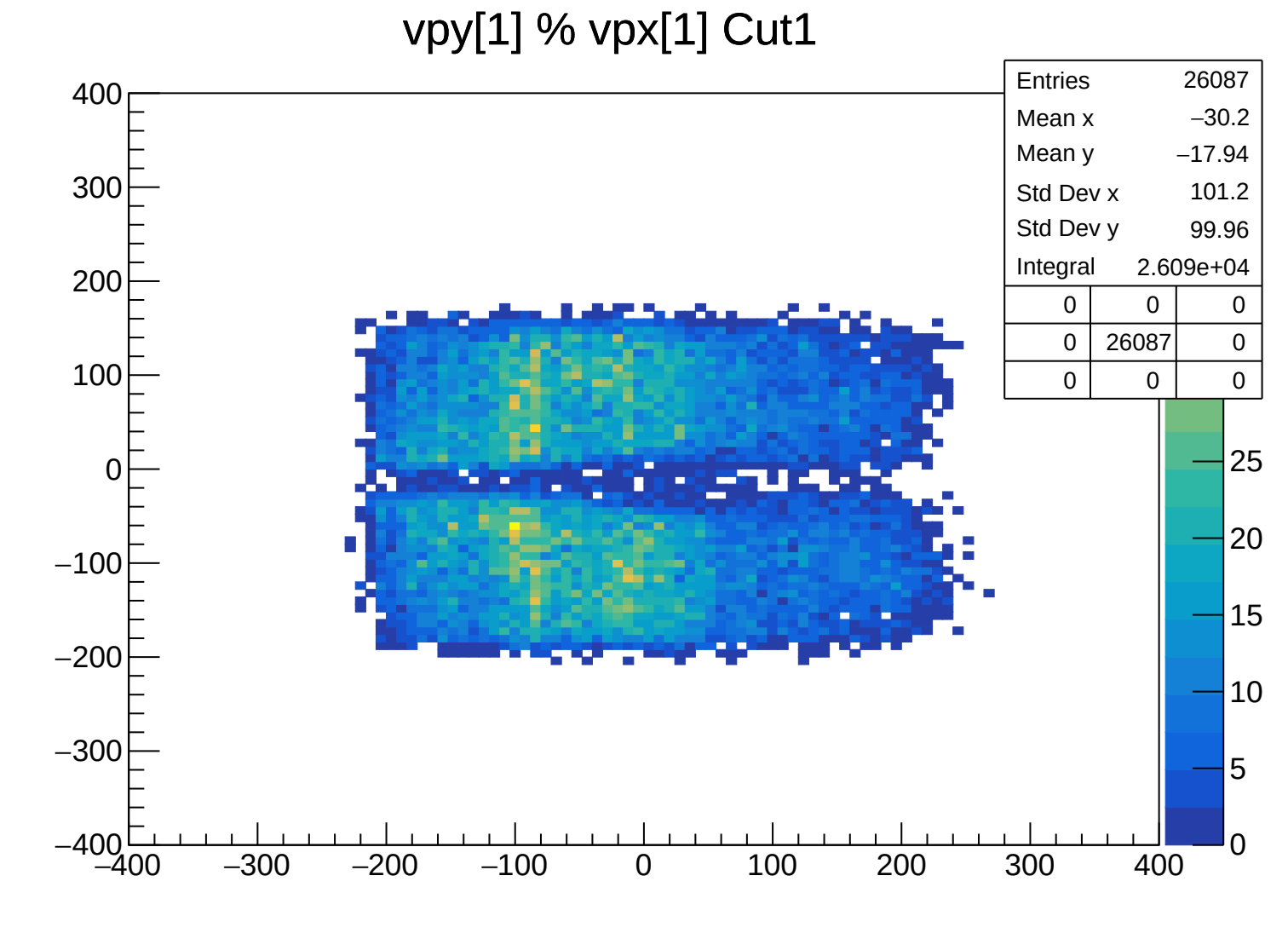

delta_x
Entries 77784
Mean 17.4
Std Dev 19.58
Underflow 9853
Overflow 7278
Integral 6.065e+04
4500
4000
3500
3000
2500
2000
1500
1000
500
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

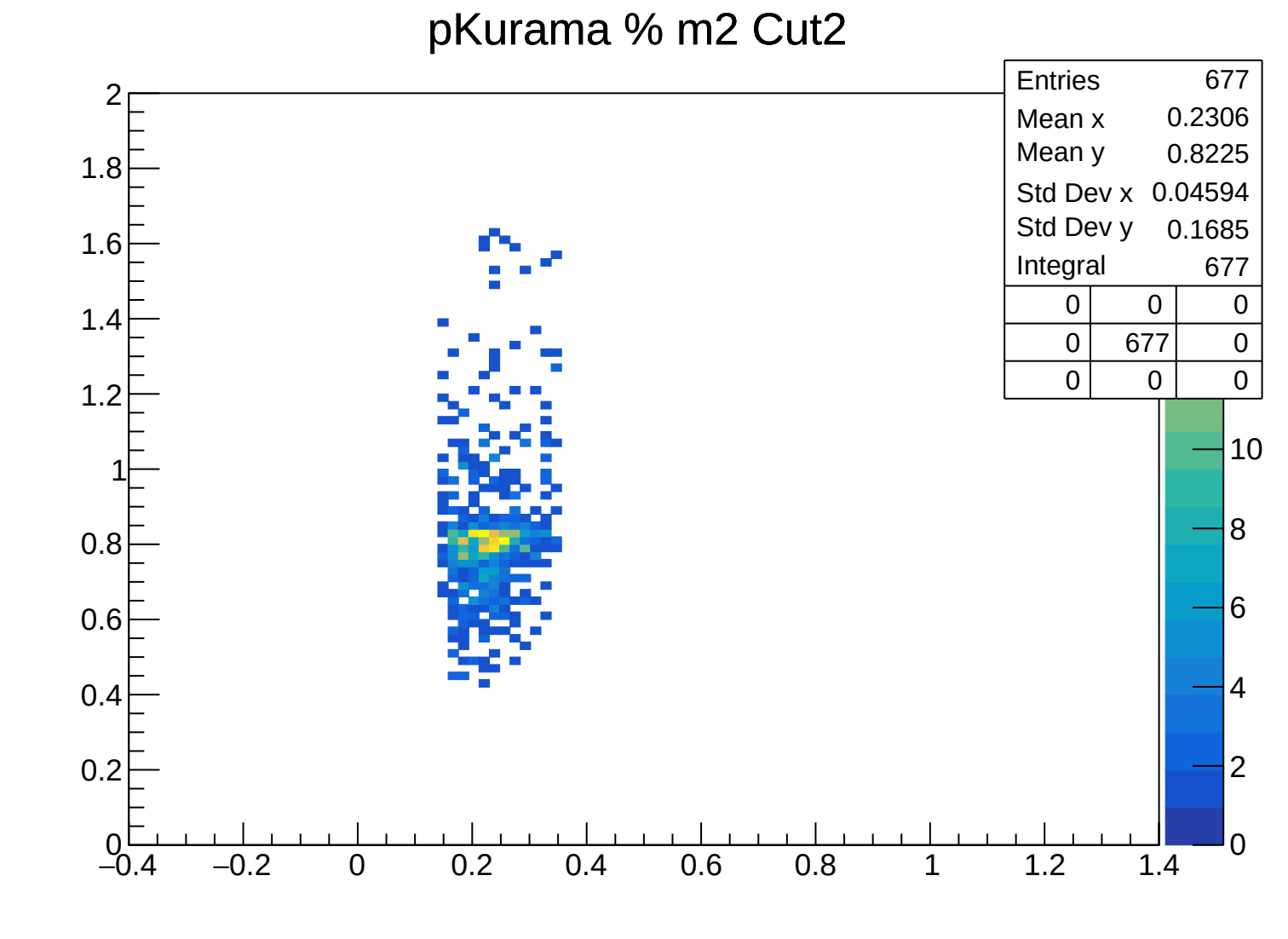

Sch Position by HitSegment
Entries 77784
Mean −79.09
Std Dev 132.9
Underflow 7651
Overflow 0
Integral 7.013e+04
2500
2000
1500
1000
500
0
−400
−300
−200
−100
0
100
200
300
400

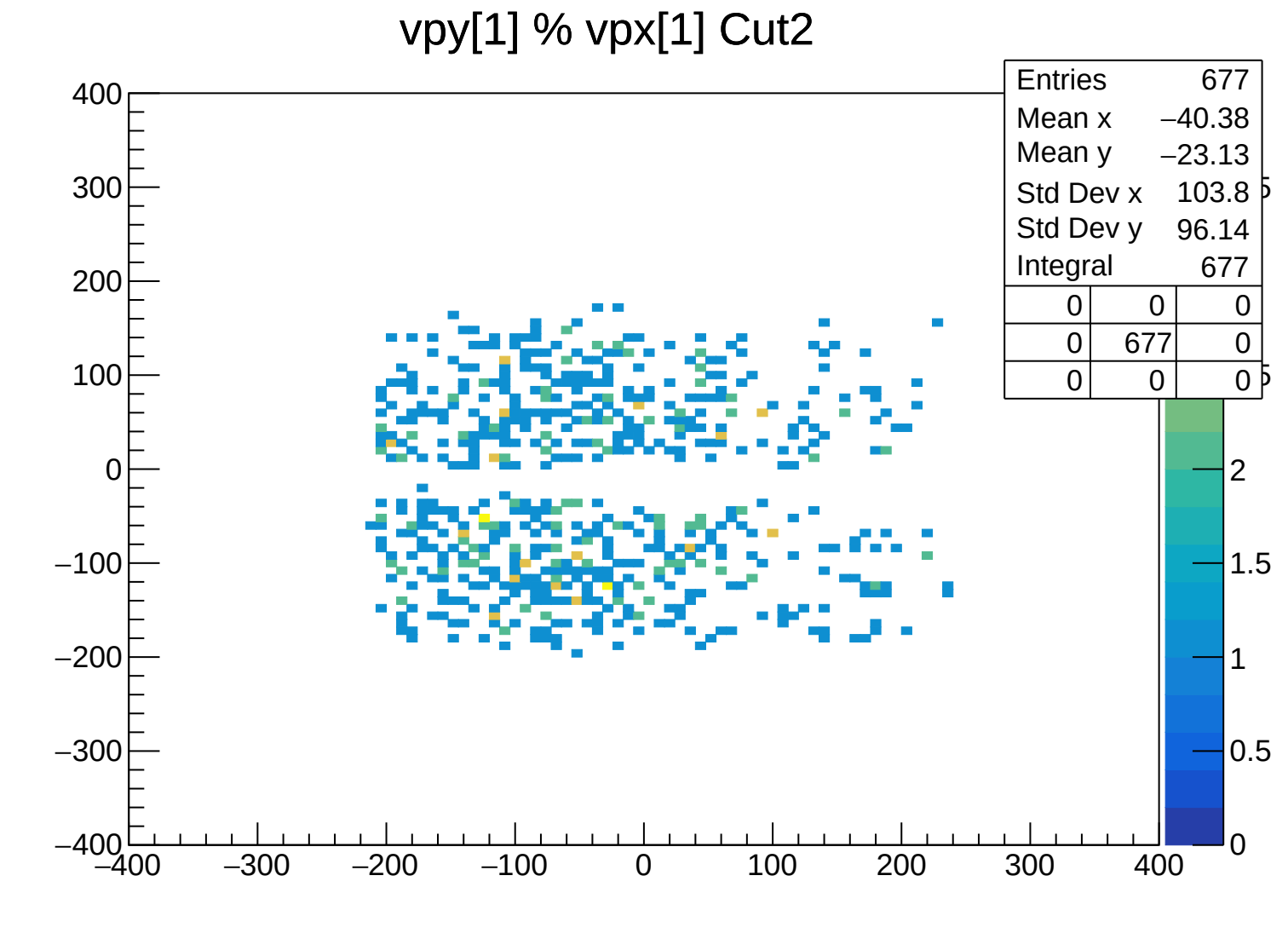

pKurama % m2
Entries 61480
Mean x 0.6376
Mean y 0.8265
Std Dev x 0.3458
Std Dev y 0.2154
Integral 4.506e+04
463 189 1357
3978 45062 4506
532 4683 710
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
80
60
40
20
0

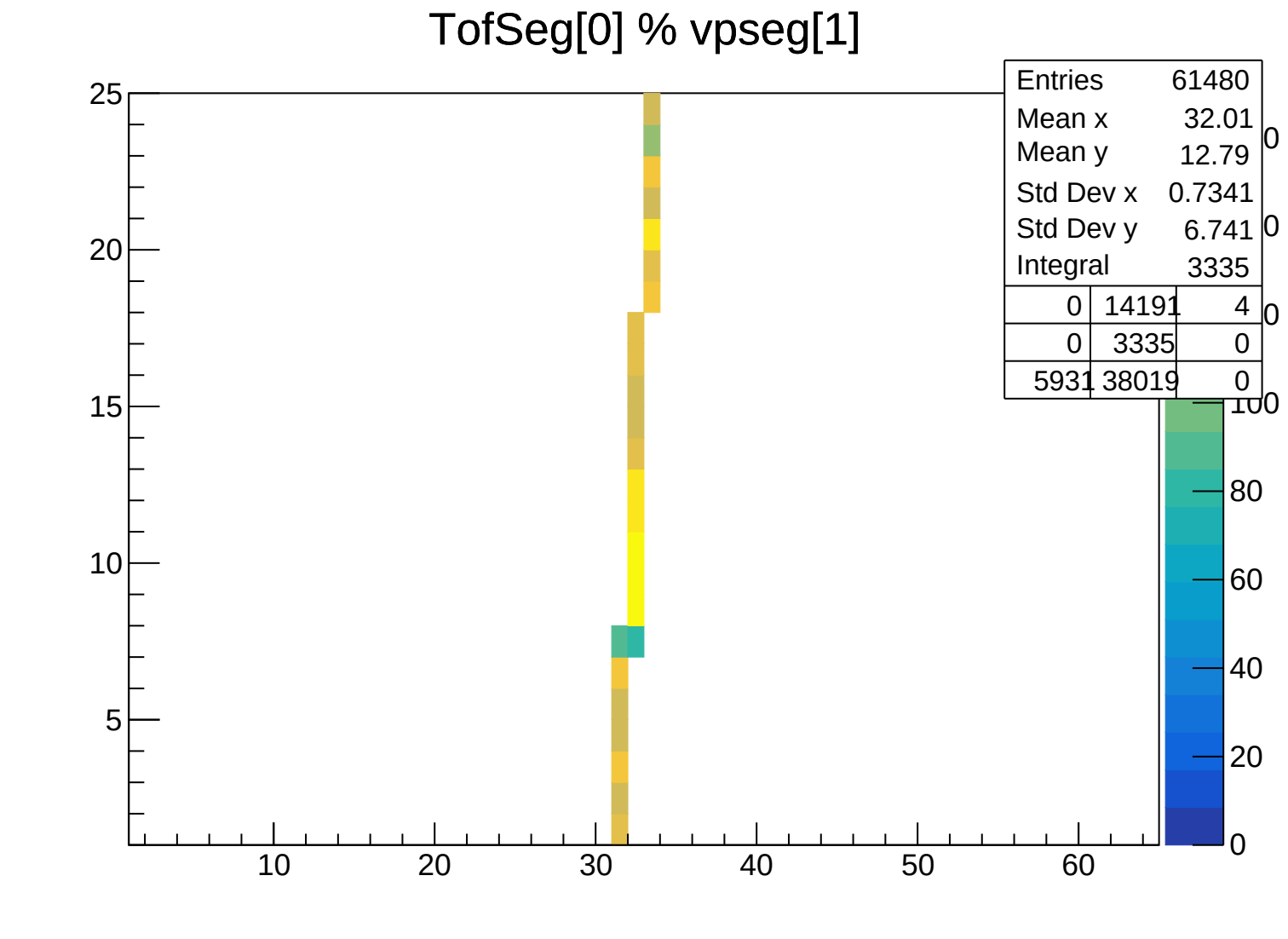

vpy[1] % vpx[1]
Entries 61480
Mean x −48.14
Mean y −17.95
Std Dev x 114.2
Std Dev y 95.64
Integral 5.555e+04
0 1 0
0 55553 1
5925 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
40
30
20
10
0

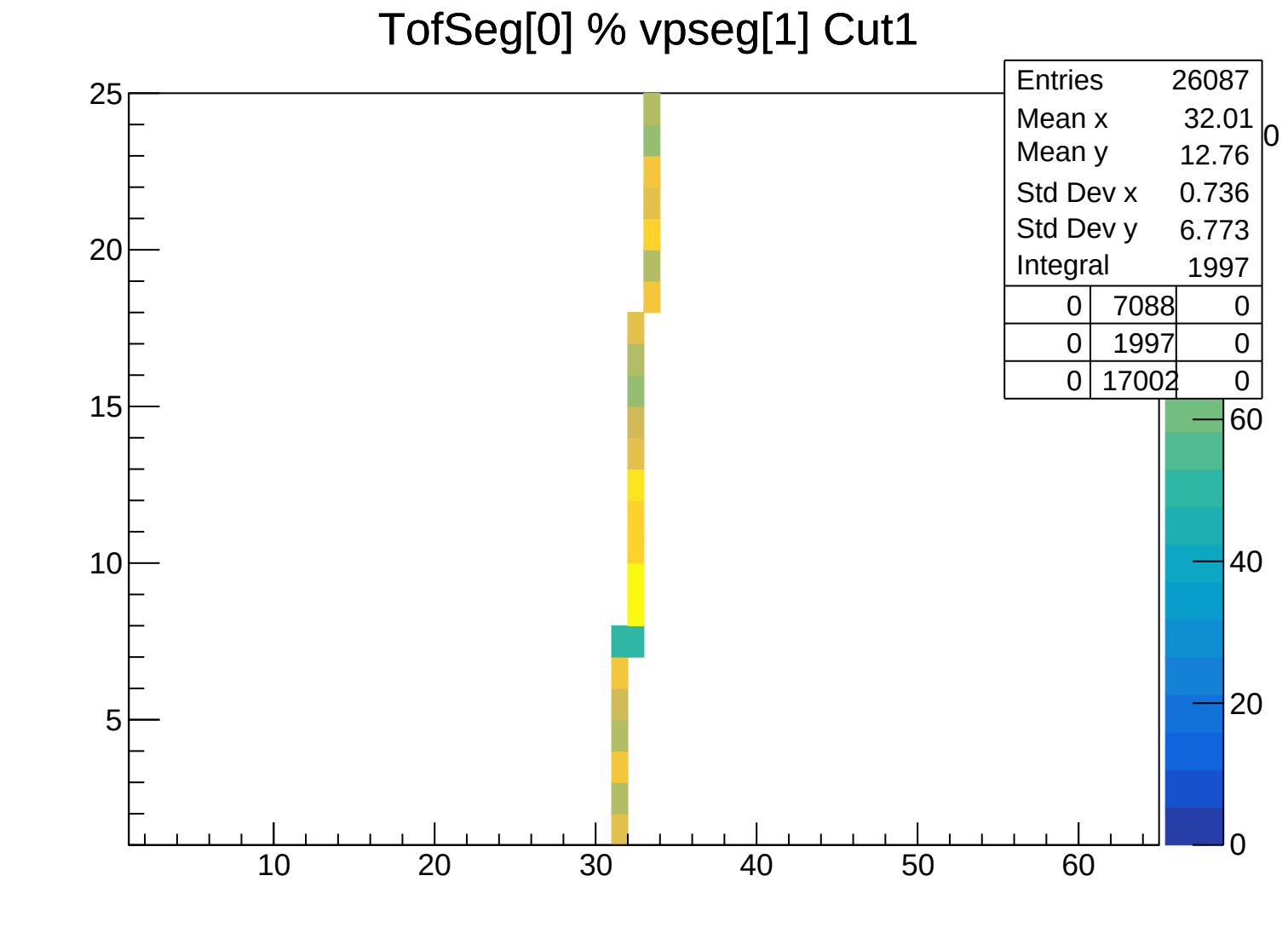

pKurama % m2 Cut1
Entries 26087
Mean x 0.7333
Mean y 0.8685
Std Dev x 0.2715
Std Dev y 0.1763
Integral 2.346e+04
0 0 1
1265 23460 1361
0 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
50
40
30
20
10
0

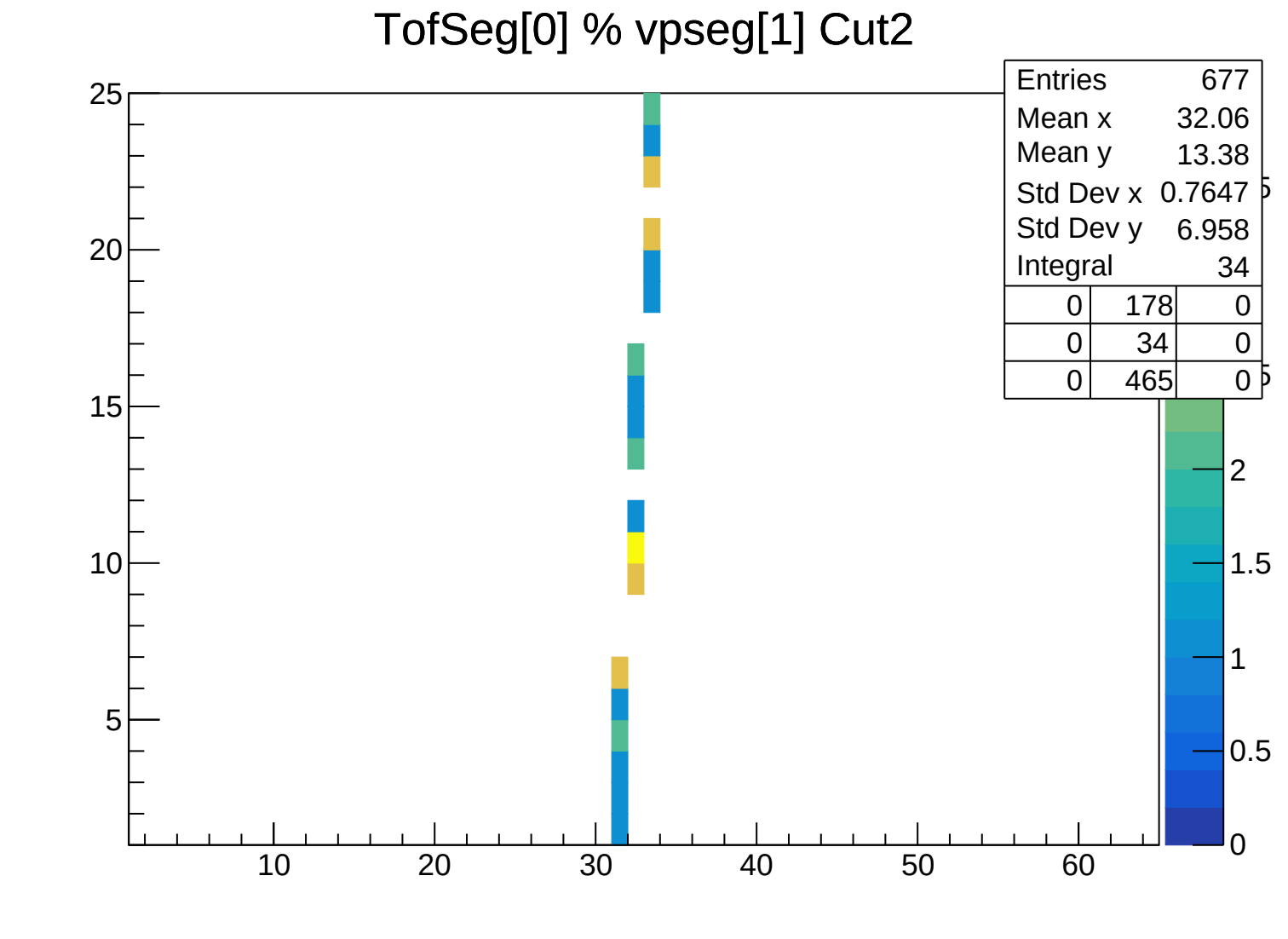

vpy[1] % vpx[1] Cut1
Entries 26087
Mean x –30.2
Mean y –17.94
Std Dev x 101.2
Std Dev y 99.96
Integral 2.609e+04
0 0 0
0 26087 0
0 0 0
400
300
200
100
0
–100
–200
–300
–400
–400
–300
–200
–100
0
100
200
300
400
25
20
15
10
5
0

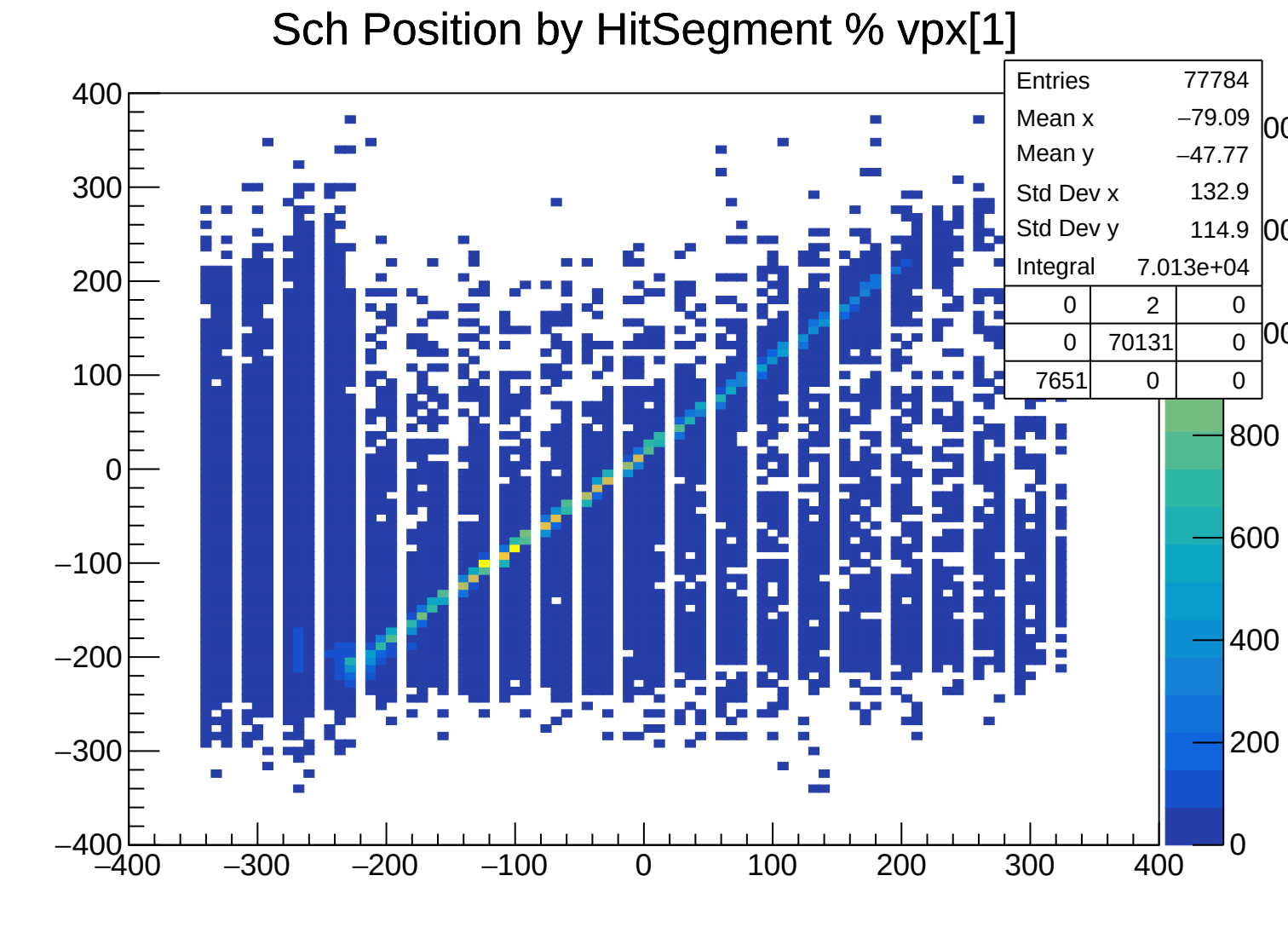

pKurama % m2 Cut2
Entries 677
Mean x 0.2306
Mean y 0.8225
Std Dev x 0.04594
Std Dev y 0.1685
Integral 677
0 0 0
0 677 0
0 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
10
8
6
4
2
0


vpy[1] % vpx[1] Cut2
Entries 677
Mean x −40.38
Mean y −23.13
Std Dev x 103.8
Std Dev y 96.14
Integral 677
0 0 0
0 677 0
0 0 0
400
300
200
100
0
−100
−200
−300
−400
−400
−300
−200
−100
0
100
200
300
400
2
1.5
1
0.5
0


TofSeg[0] % vpseg[1]
Entries 61480
Mean x 32.01
Mean y 12.79
Std Dev x 0.7341
Std Dev y 6.741
Integral 3335
0 14191 4
0 3335 0
5931 38019 0
25
20
15
10
5
10
20
30
40
50
60
100
80
60
40
20
0


TofSeg[0] % vpseg[1] Cut1
Entries 26087
Mean x 32.01
Mean y 12.76
Std Dev x 0.736
Std Dev y 6.773
Integral 1997
0 7088 0
0 1997 0
0 17002 0
25
20
15
10
5
10
20
30
40
50
60
60
40
20
0


TofSeg[0] % vpseg[1] Cut2
Entries 677
Mean x 32.06
Mean y 13.38
Std Dev x 0.7647
Std Dev y 6.958
Integral 34
0 178 0
0 34 0
0 465 0
25
20
15
10
5
10
20
30
40
50
60
2
1.5
1
0.5
0


Sch Position by HitSegment % vpx[1]
Entries 77784
Mean x −79.09
Mean y −47.77
Std Dev x 132.9
Std Dev y 114.9
Integral 7.013e+04
0 2 0
0 70131 0
7651 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
800
600
400
200
0