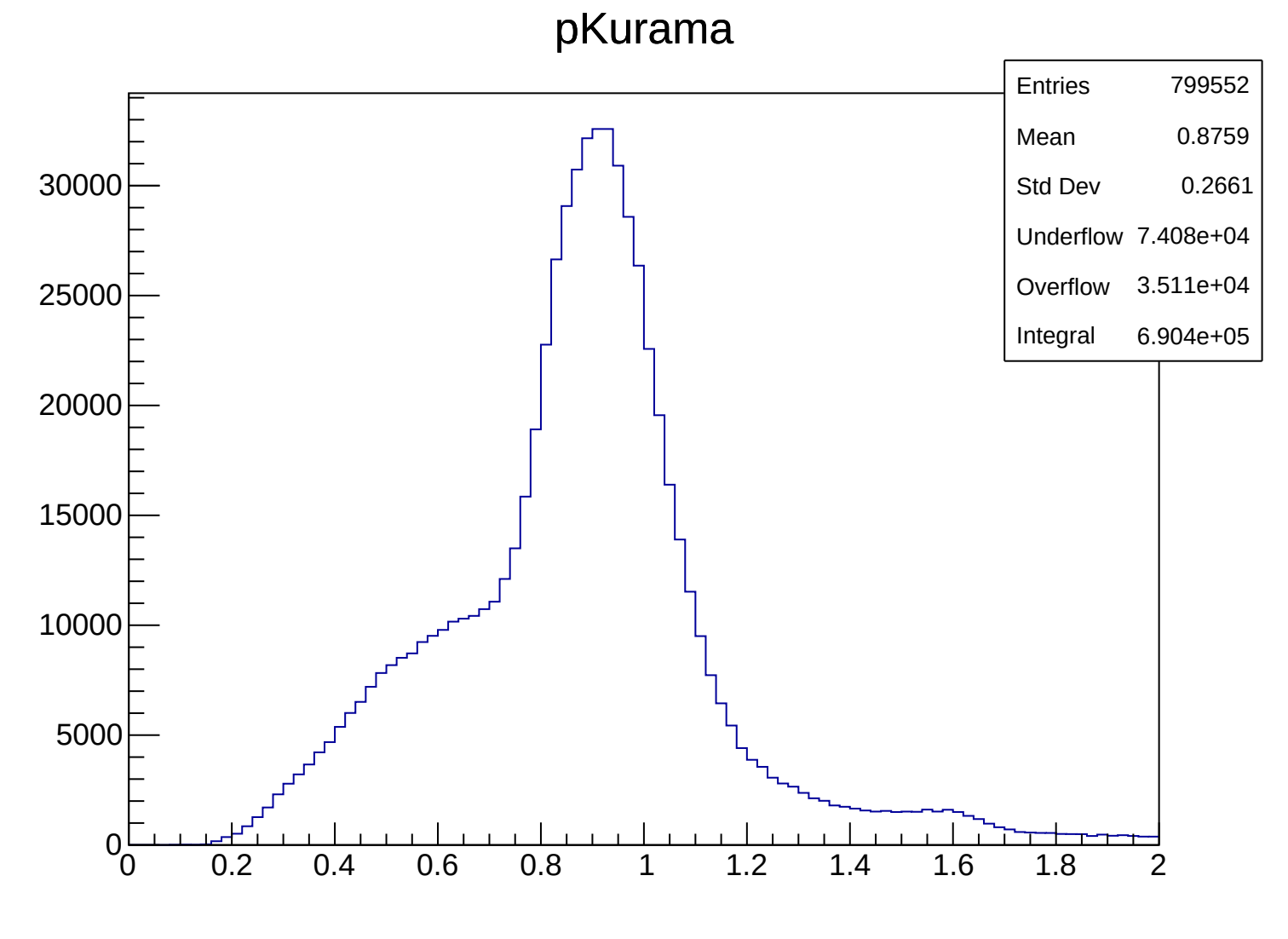
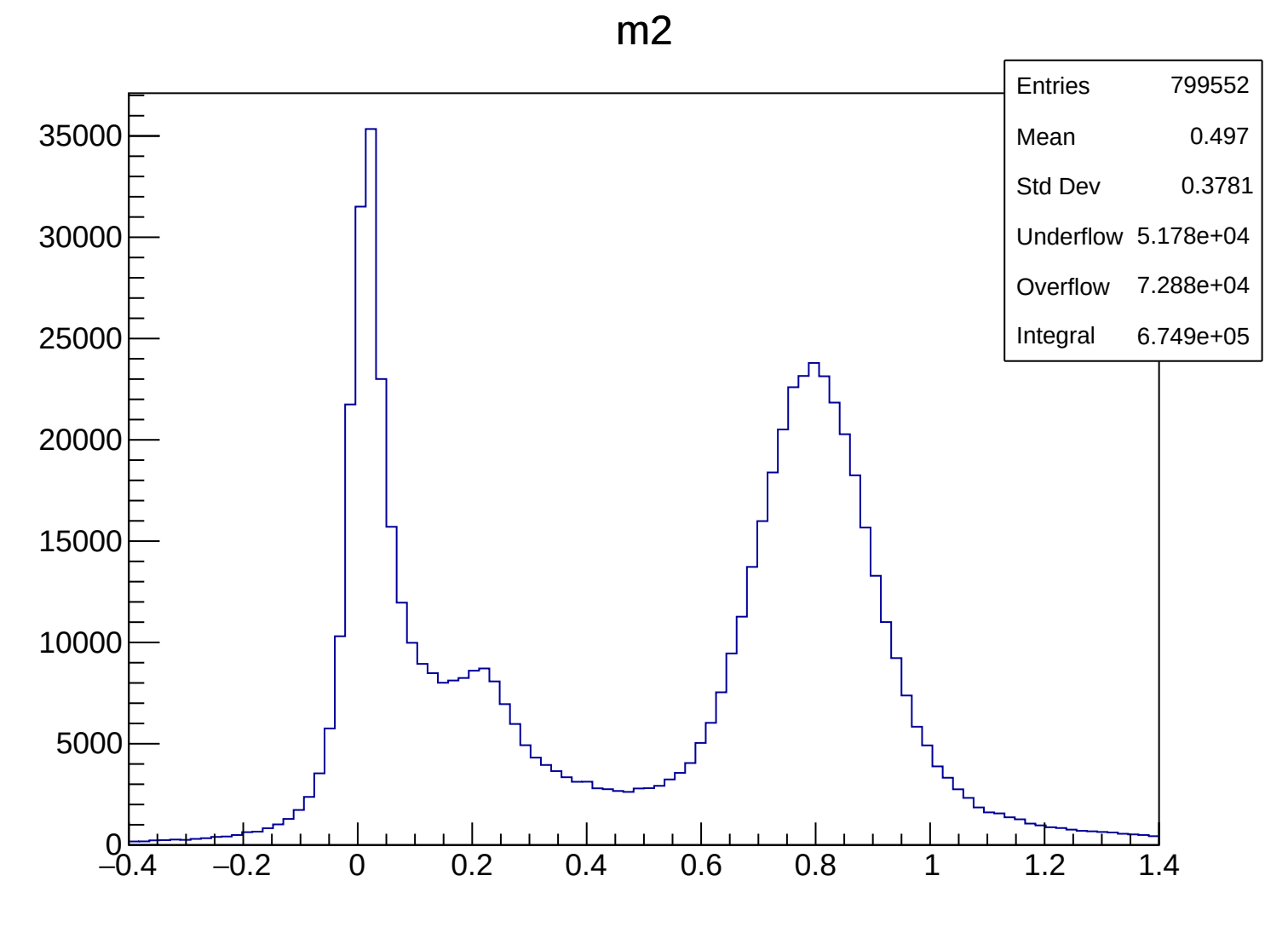
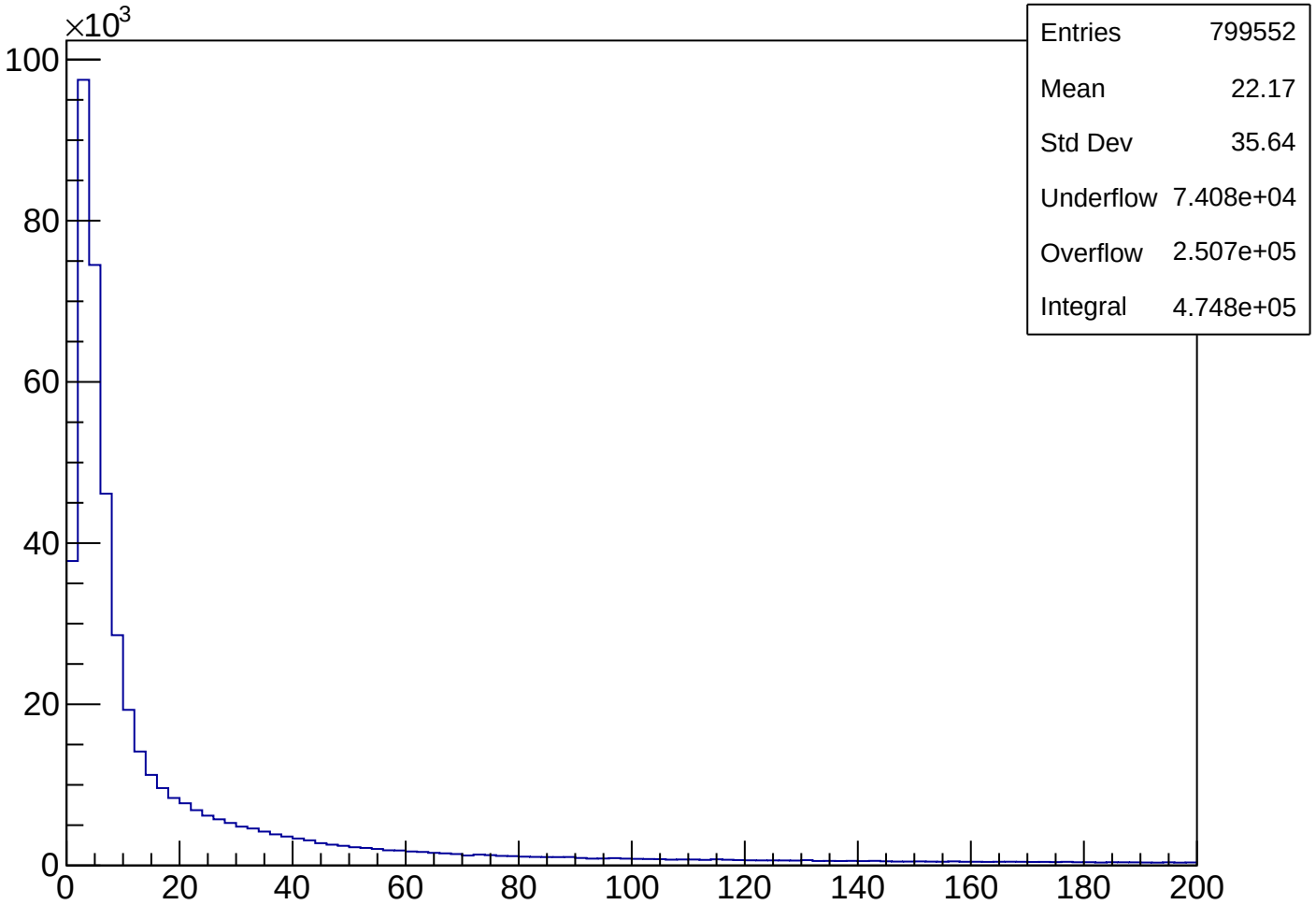
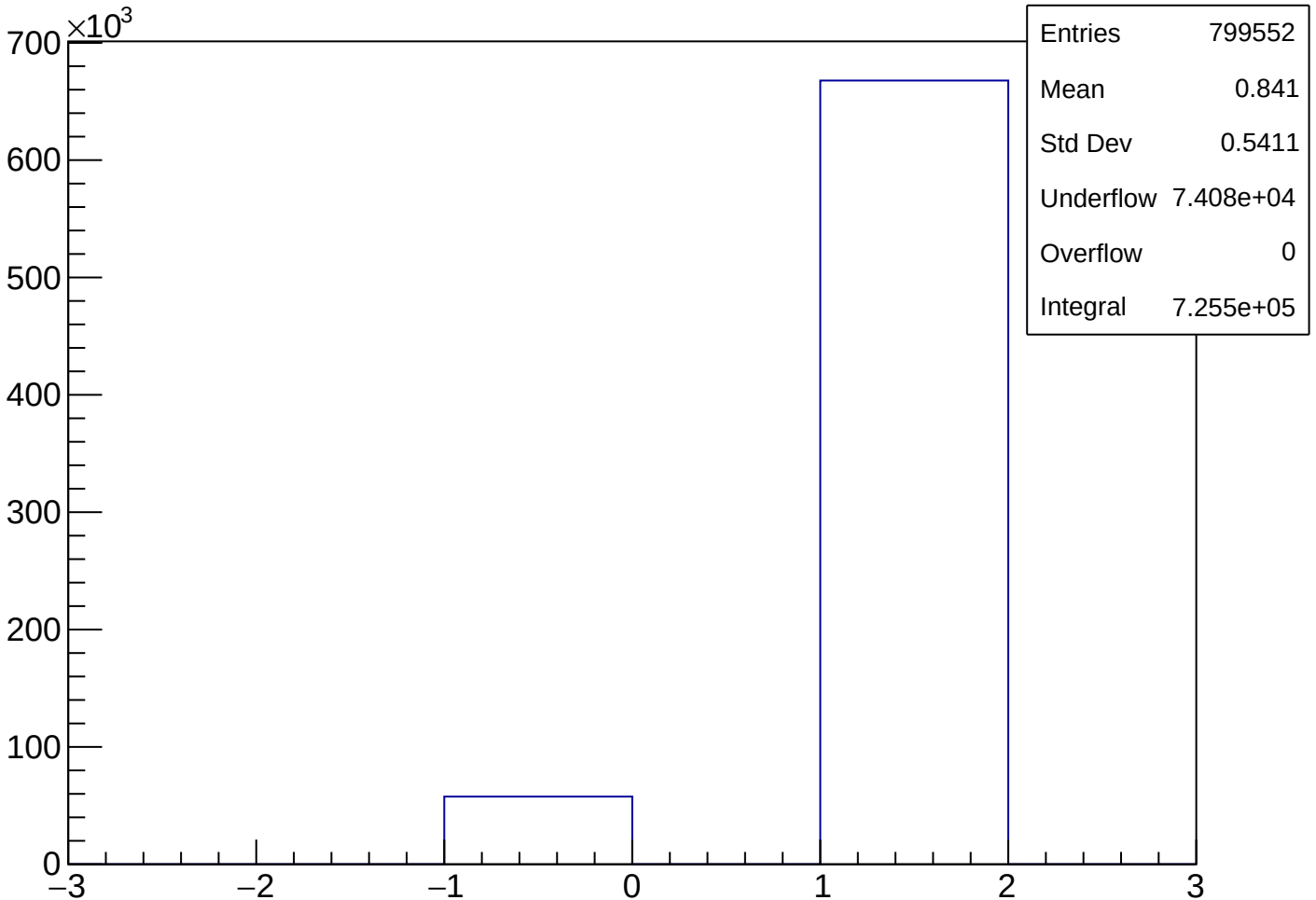
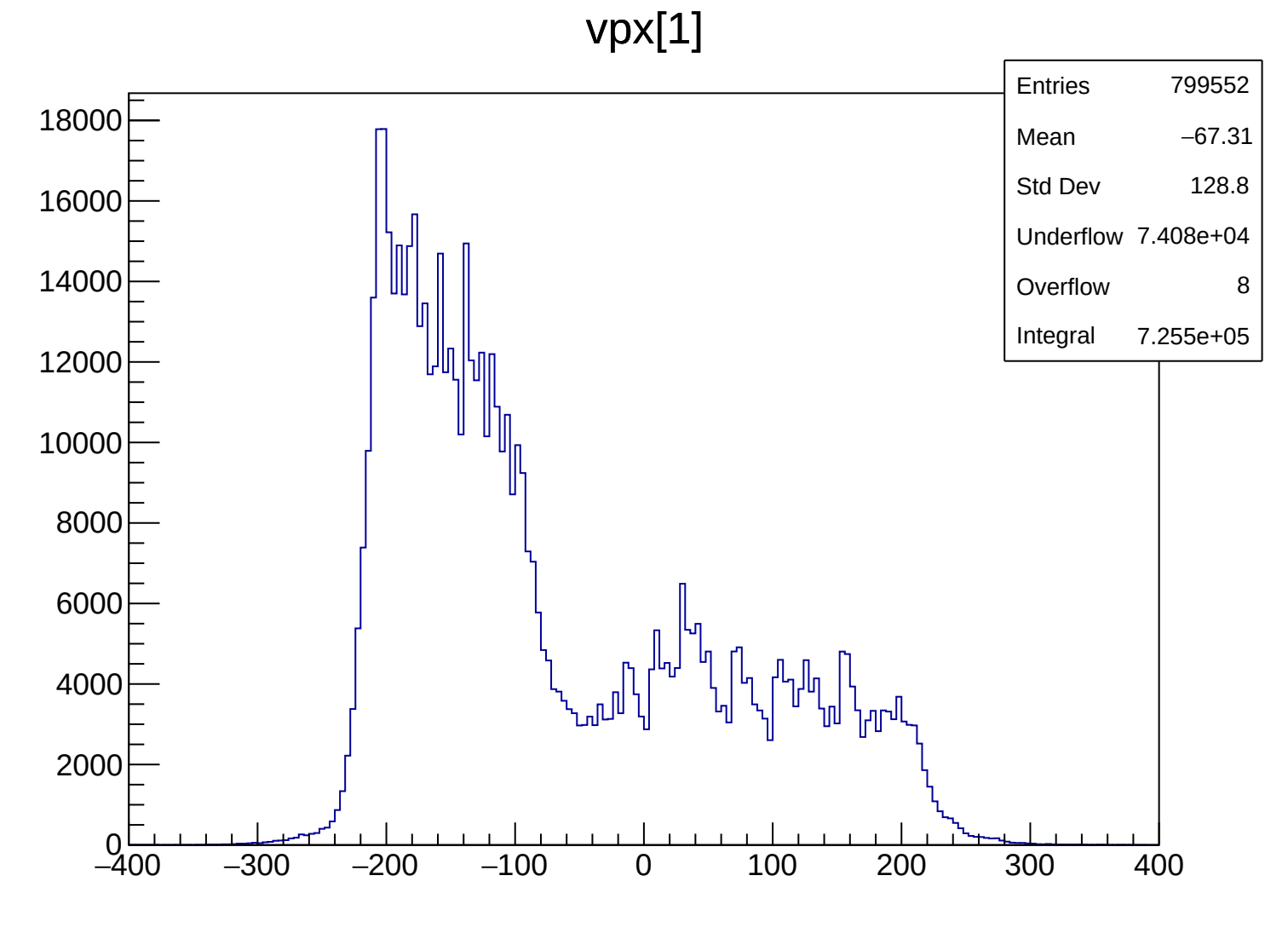
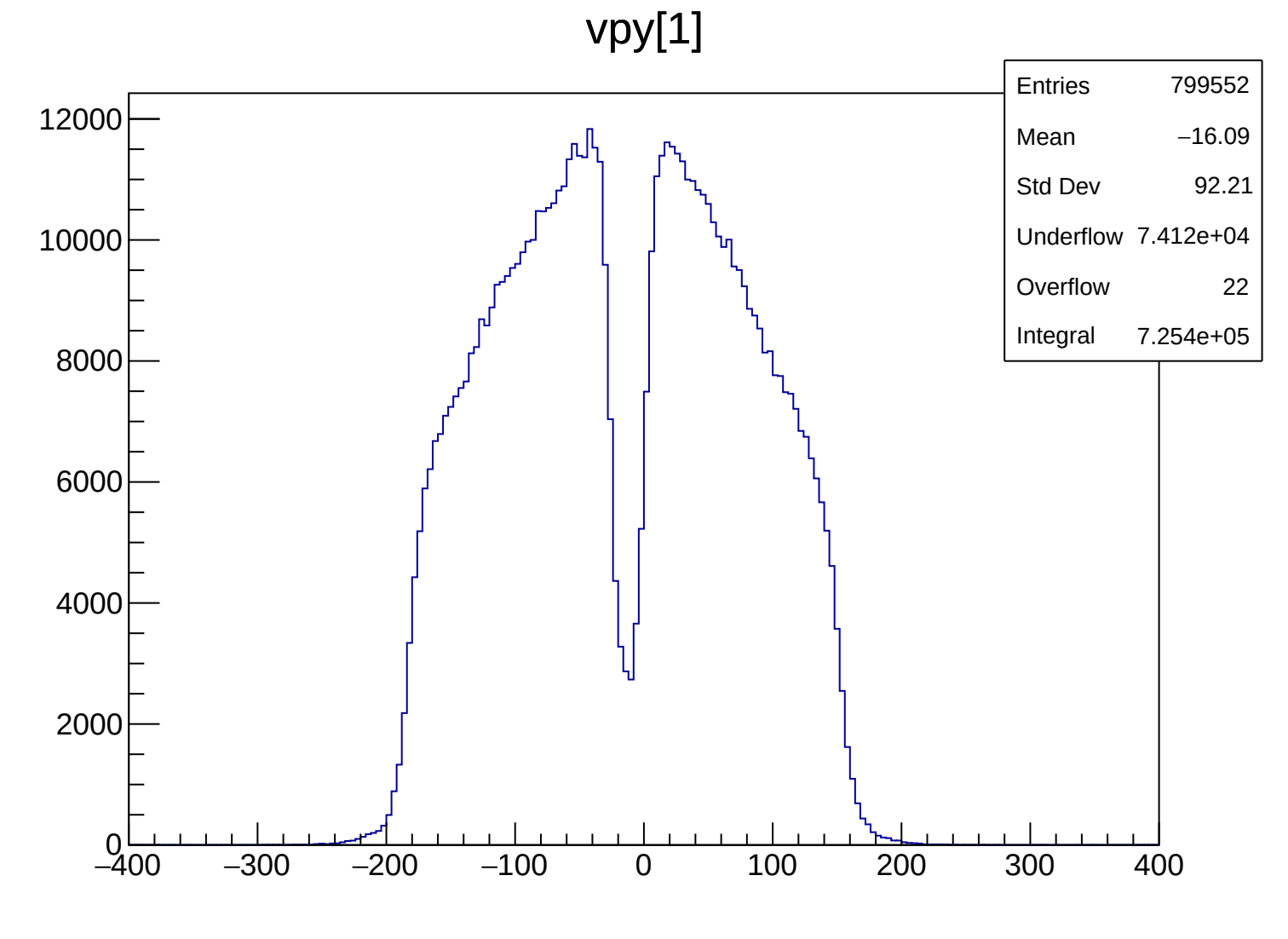

pKurama
Entries 799552
Mean 0.8759
Std Dev 0.2661
Underflow 7.408e+04
Overflow 3.511e+04
Integral 6.904e+05
30000
25000
20000
15000
10000
5000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

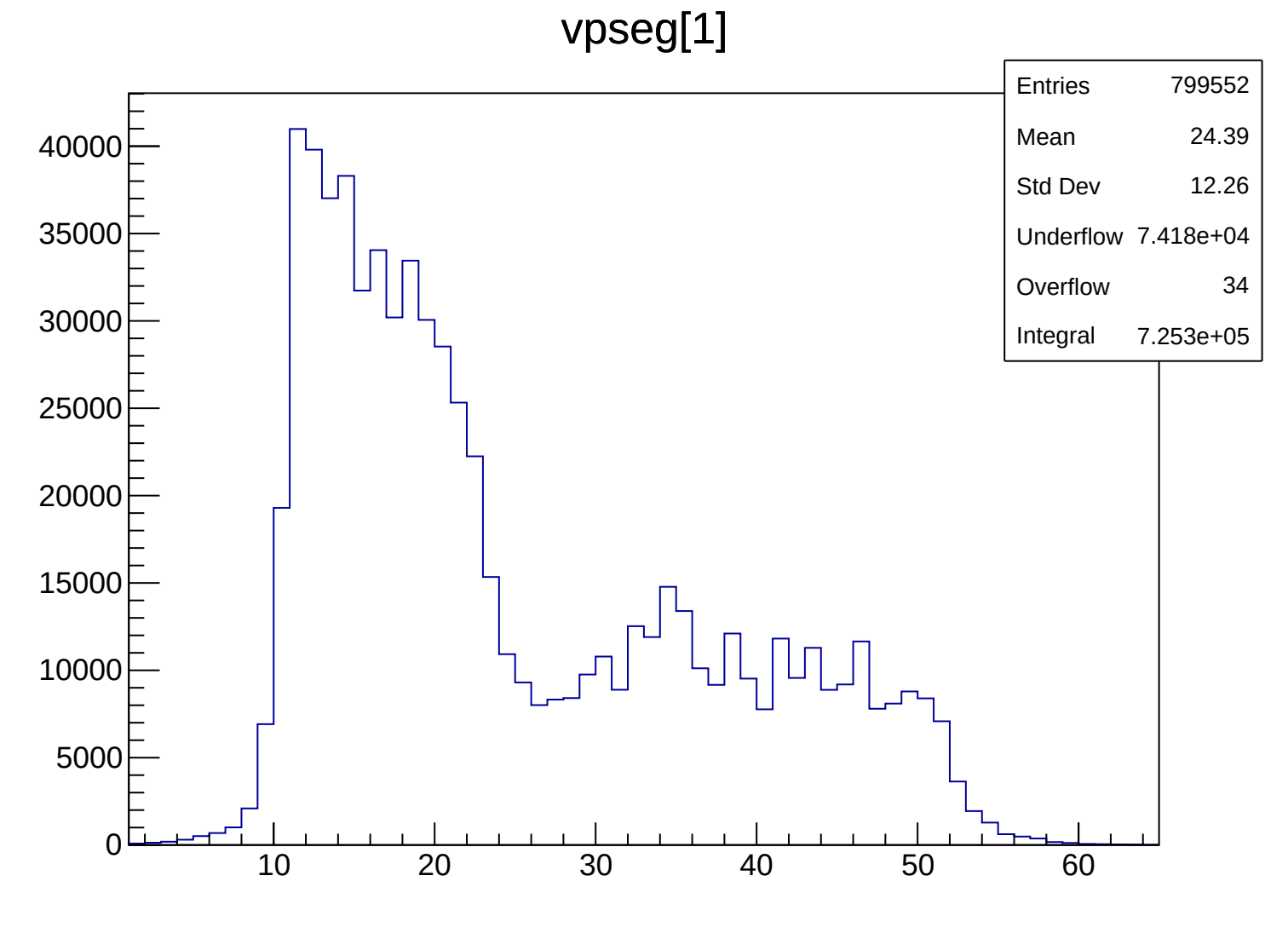

m2
Entries 799552
Mean 0.497
Std Dev 0.3781
Underflow 5.178e+04
Overflow 7.288e+04
Integral 6.749e+05
35000
30000
25000
20000
15000
10000
5000
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

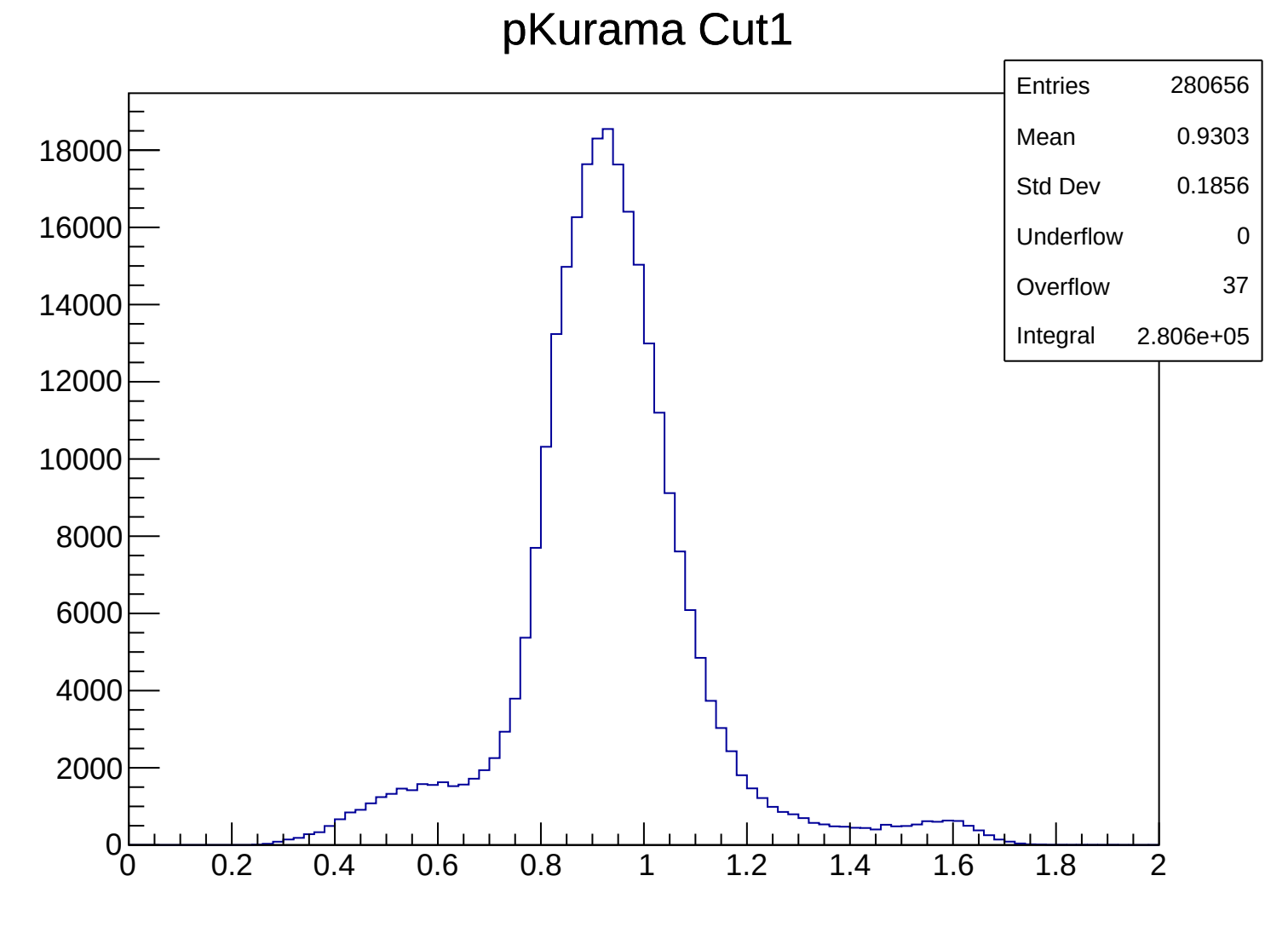

chisqrKurama
×10^3
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
200
Entries 799552
Mean 22.17
Std Dev 35.64
Underflow 7.408e+04
Overflow 2.507e+05
Integral 4.748e+05

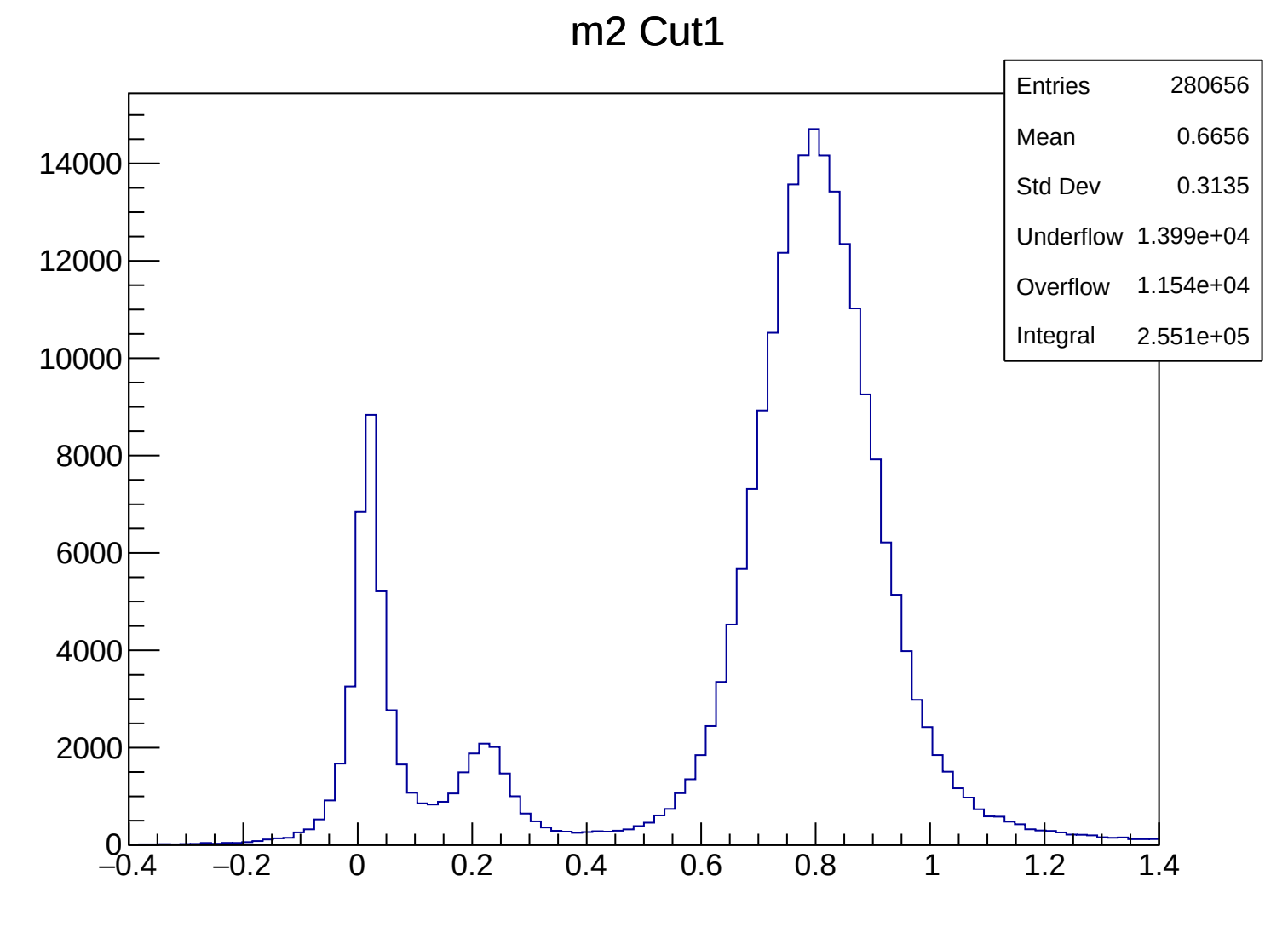

qKurama
×10^3
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
Entries 799552
Mean 0.841
Std Dev 0.5411
Underflow 7.408e+04
Overflow 0
Integral 7.255e+05

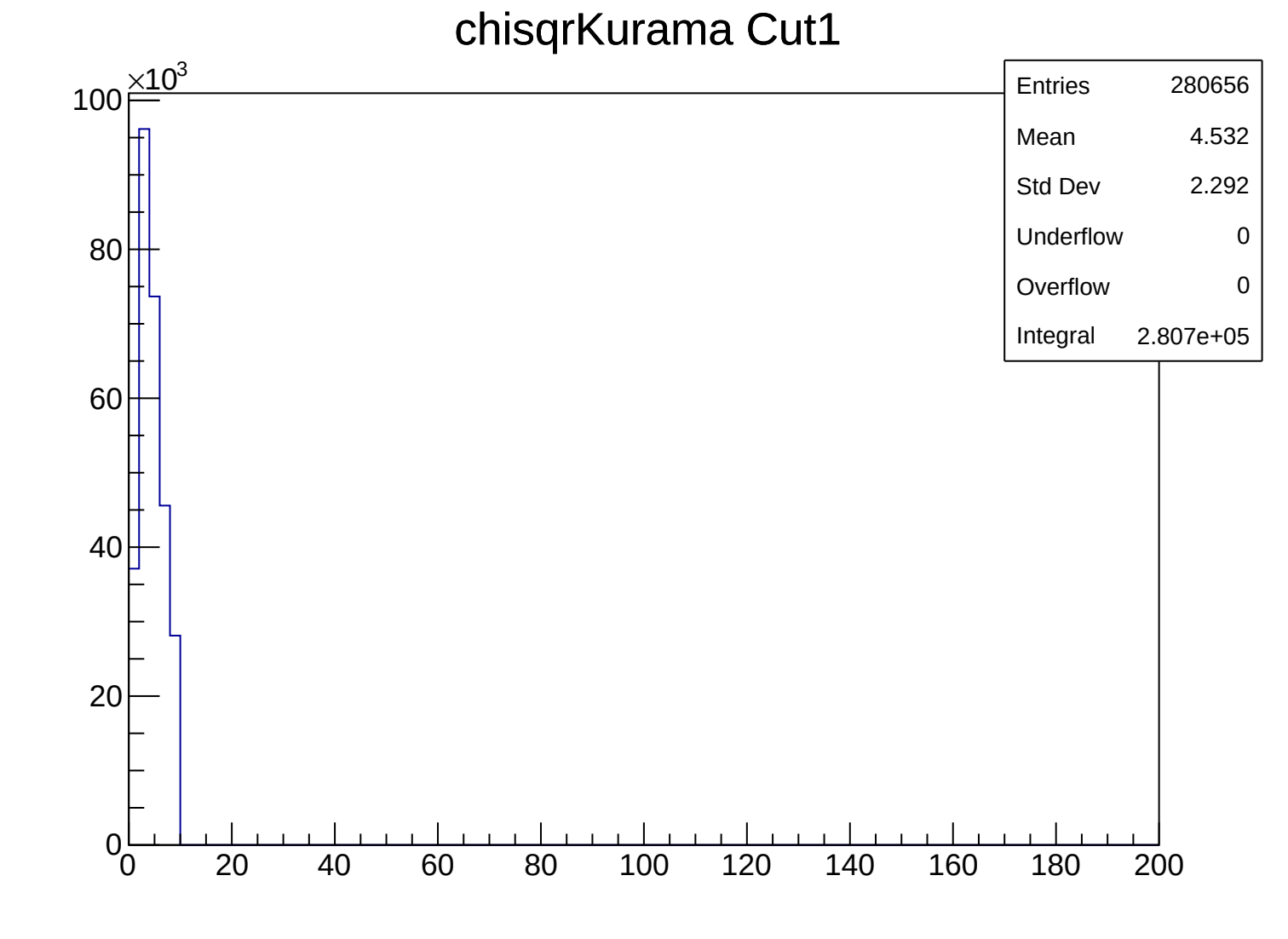

vpx[1]
Entries 799552
Mean –67.31
Std Dev 128.8
Underflow 7.408e+04
Overflow 8
Integral 7.255e+05
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
–400
–300
–200
–100
0
100
200
300
400

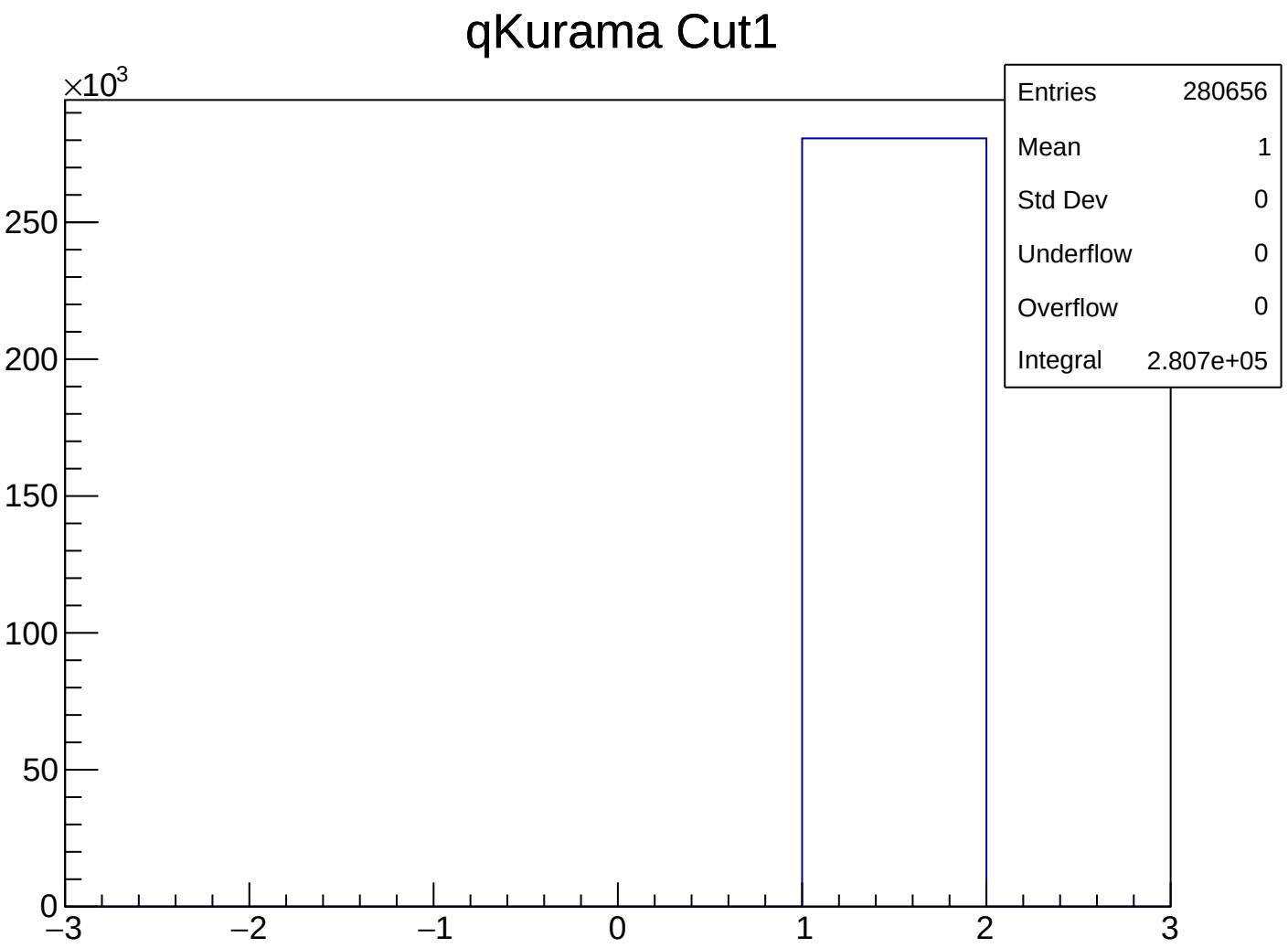

vpy[1]
Entries 799552
Mean −16.09
Std Dev 92.21
Underflow 7.412e+04
Overflow 22
Integral 7.254e+05
12000
10000
8000
6000
4000
2000
0
−400
−300
−200
−100
0
100
200
300
400

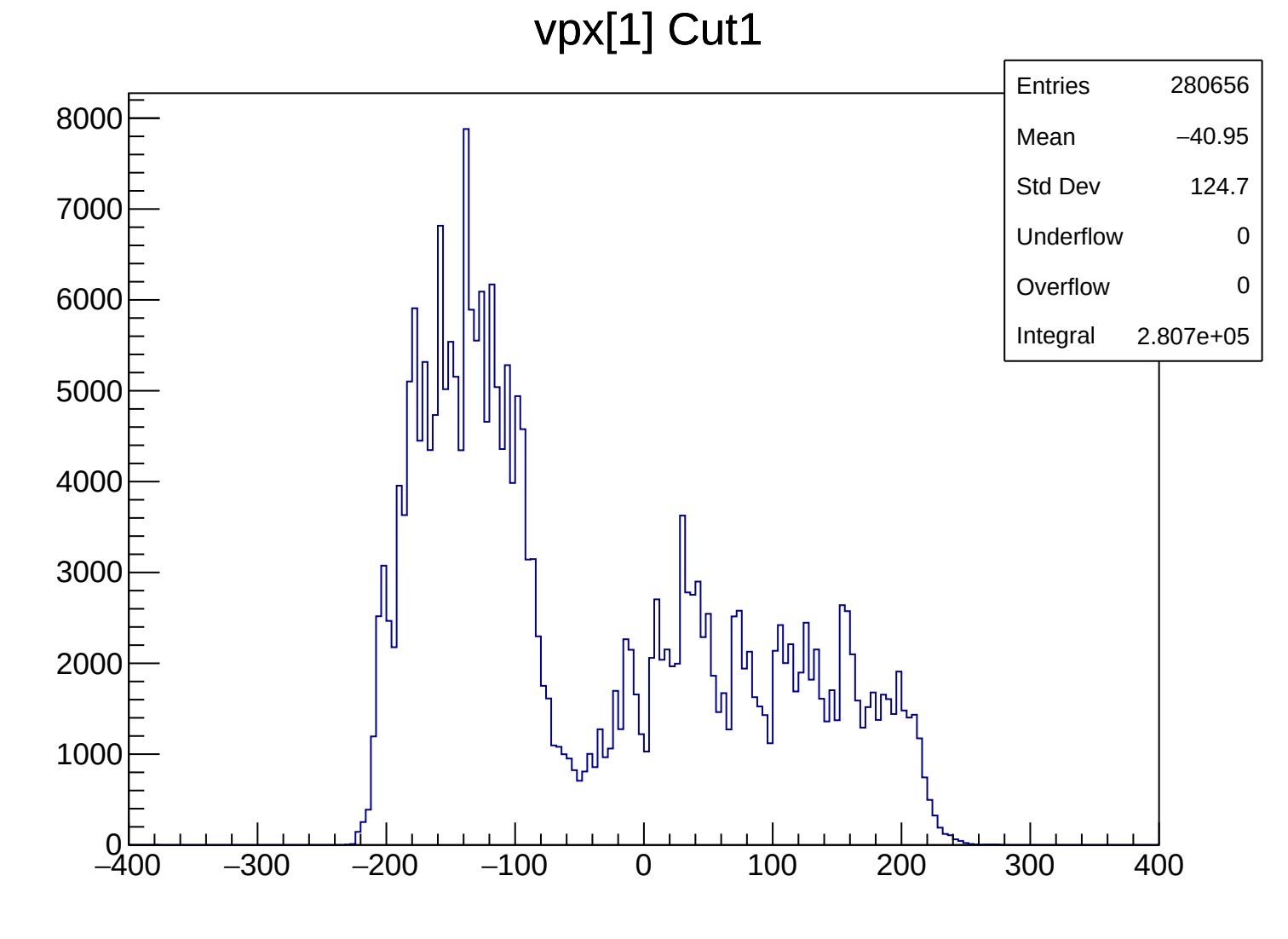

vpseg[1]
Entries 799552
Mean 24.39
Std Dev 12.26
Underflow 7.418e+04
Overflow 34
Integral 7.253e+05
40000
35000
30000
25000
20000
15000
10000
5000
0
10
20
30
40
50
60

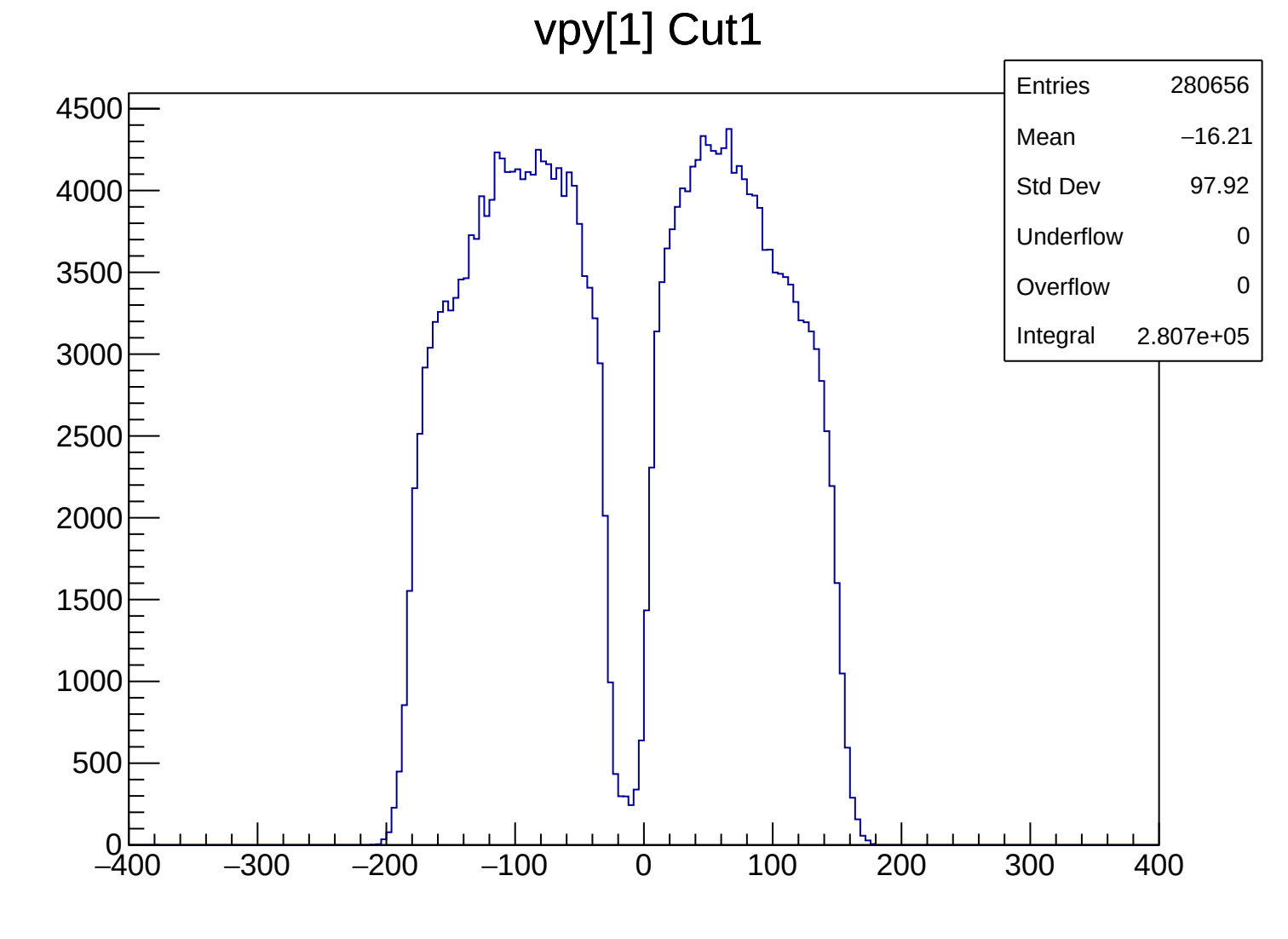

pKurama Cut1
Entries 280656
Mean 0.9303
Std Dev 0.1856
Underflow 0
Overflow 37
Integral 2.806e+05
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

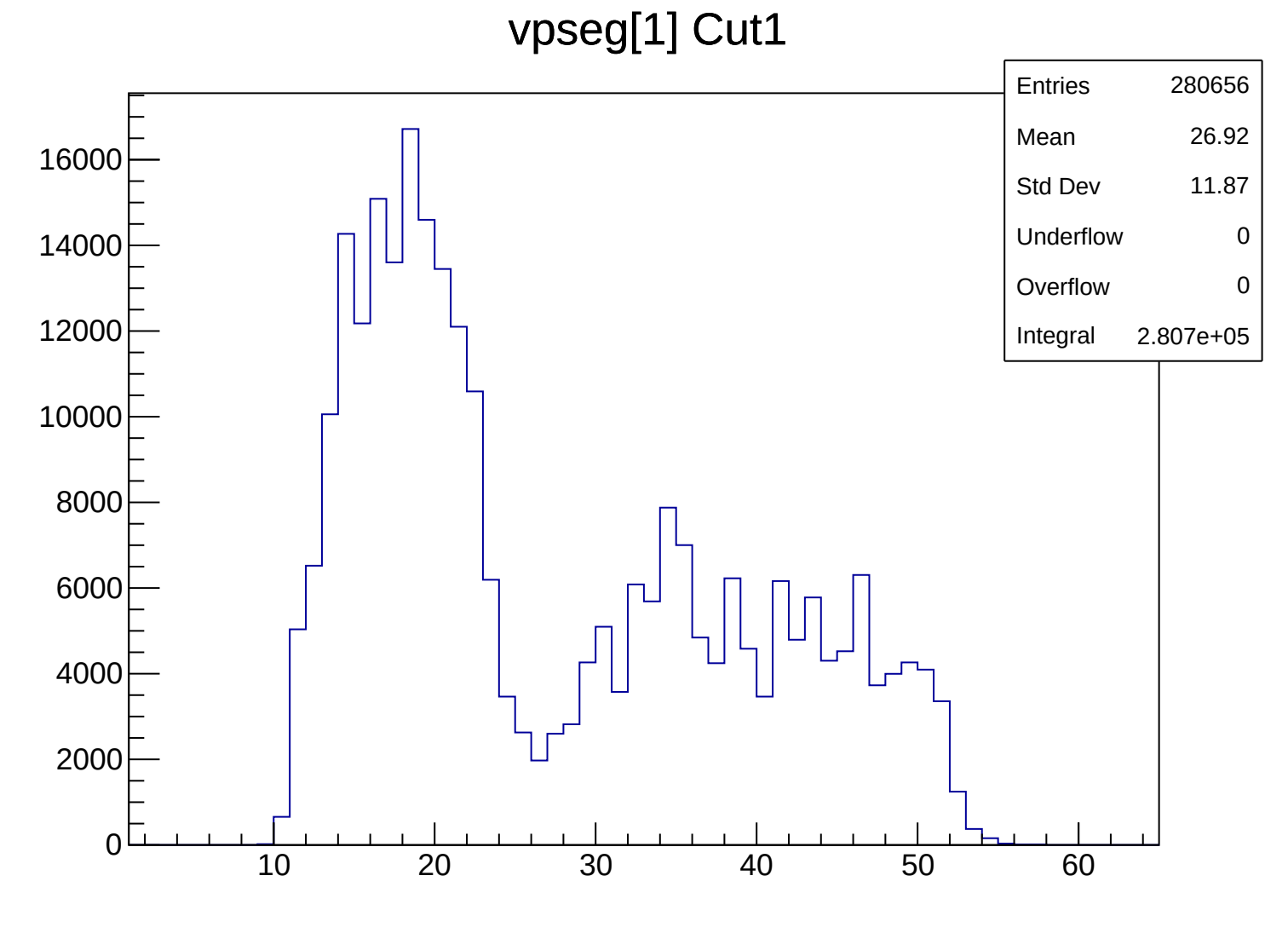

m2 Cut1
Entries 280656
Mean 0.6656
Std Dev 0.3135
Underflow 1.399e+04
Overflow 1.154e+04
Integral 2.551e+05
14000
12000
10000
8000
6000
4000
2000
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

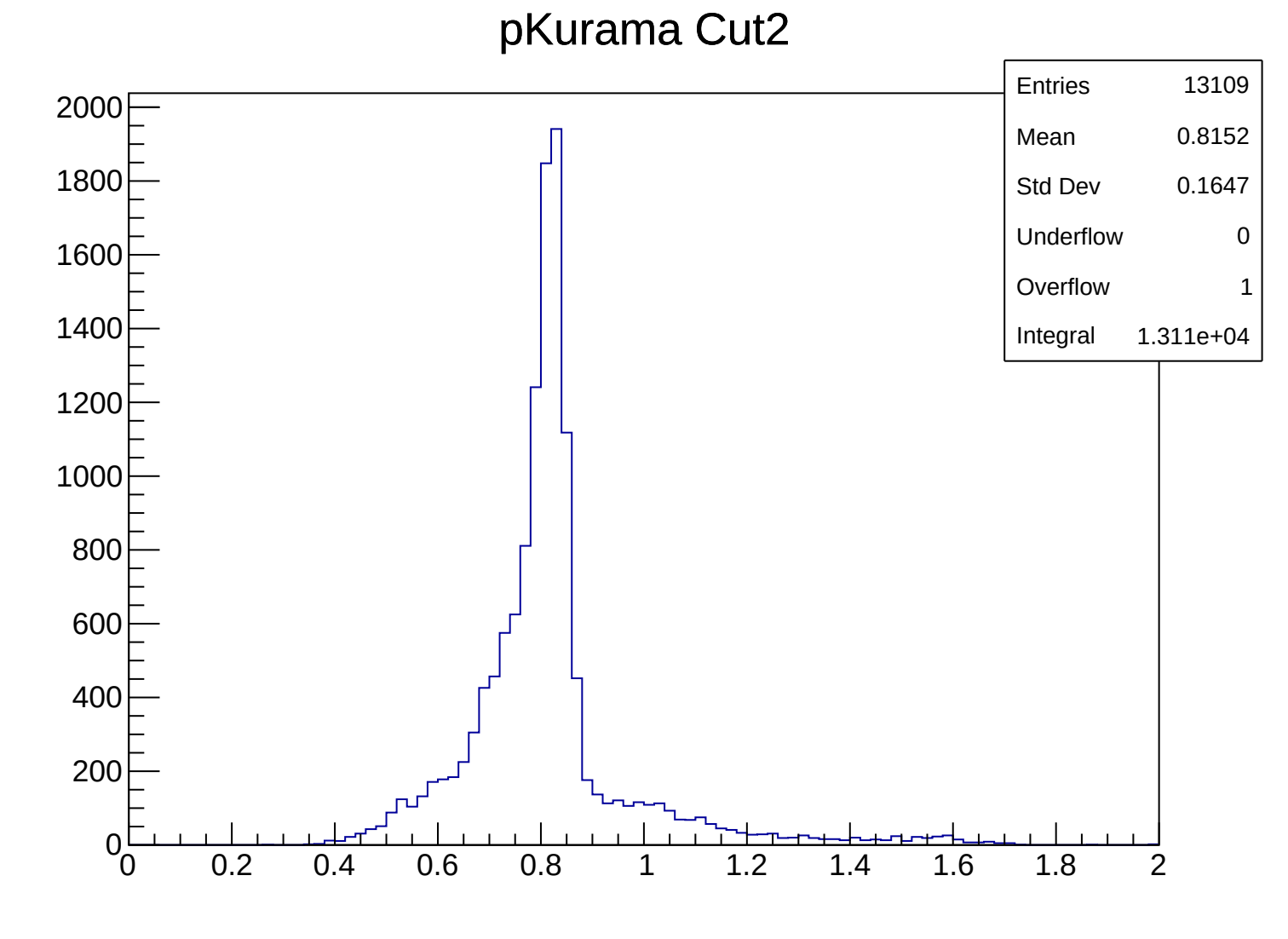

chisqrKurama Cut1
×10^3
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
200
Entries 280656
Mean 4.532
Std Dev 2.292
Underflow 0
Overflow 0
Integral 2.807e+05

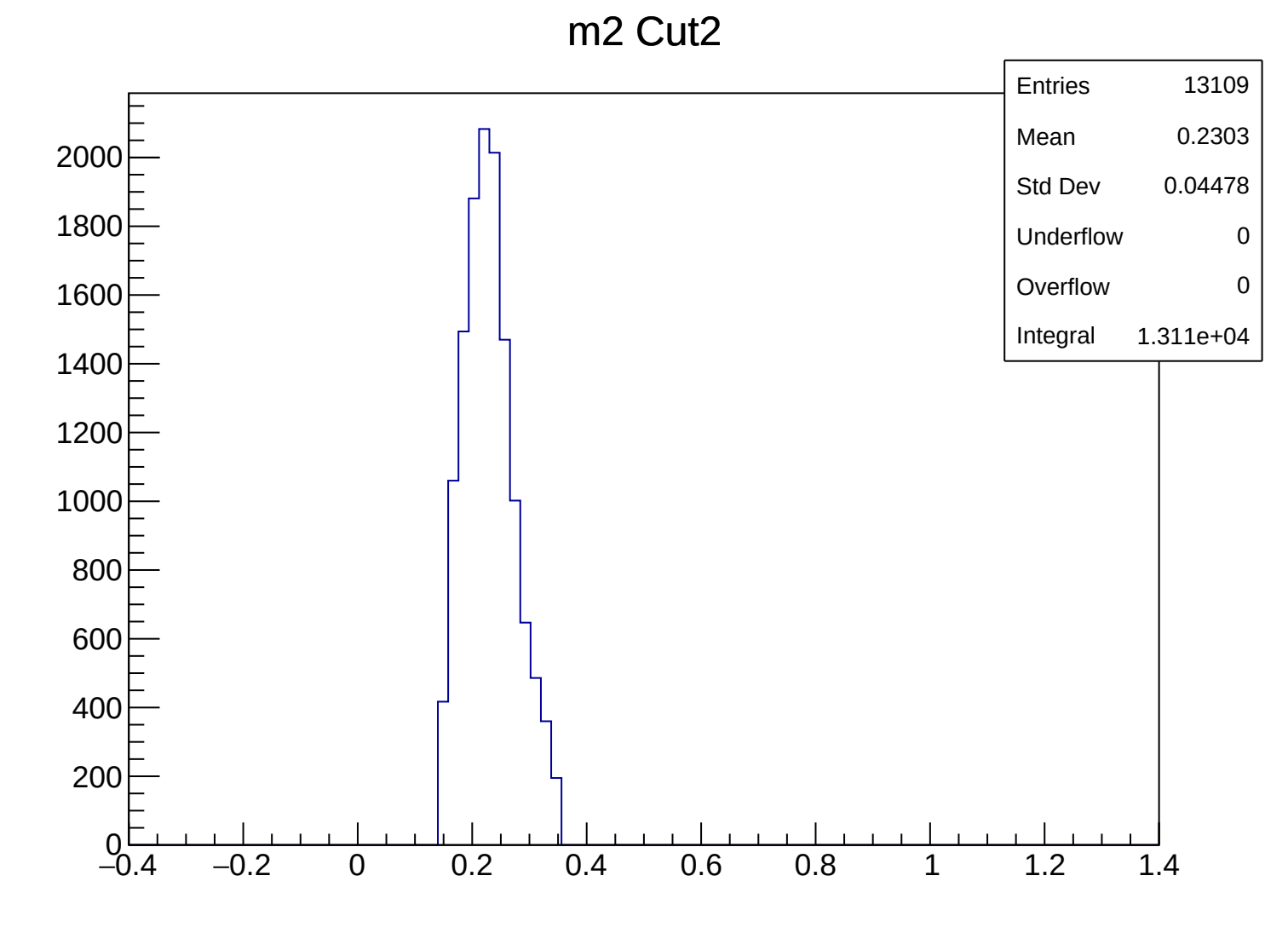

qKurama Cut1
×10^3
250
200
150
100
50
0
−3
−2
−1
0
1
2
3
Entries 280656
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 2.807e+05

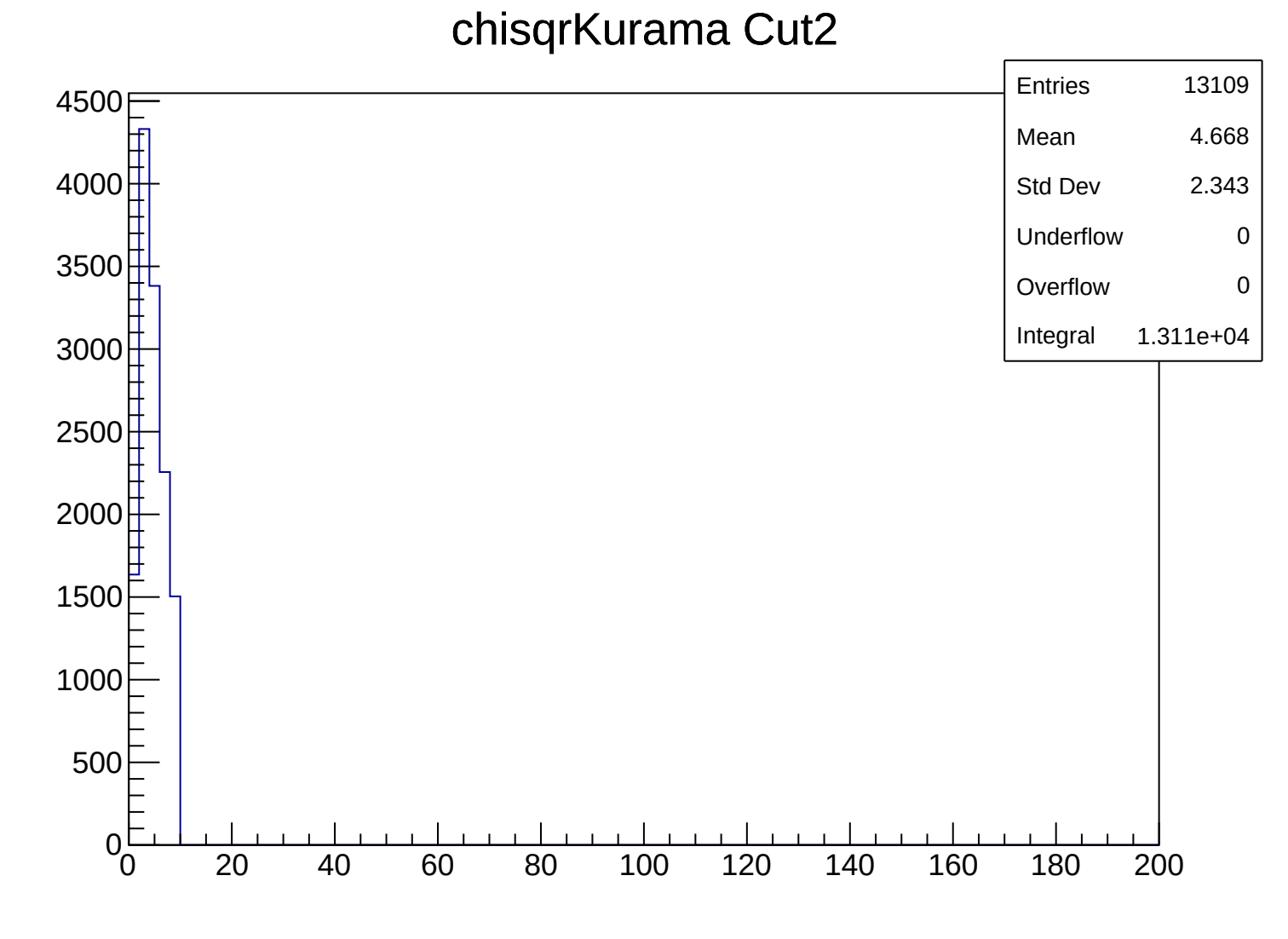

vpx[1] Cut1
Entries 280656
Mean –40.95
Std Dev 124.7
Underflow 0
Overflow 0
Integral 2.807e+05
8000
7000
6000
5000
4000
3000
2000
1000
0
–400
–300
–200
–100
0
100
200
300
400

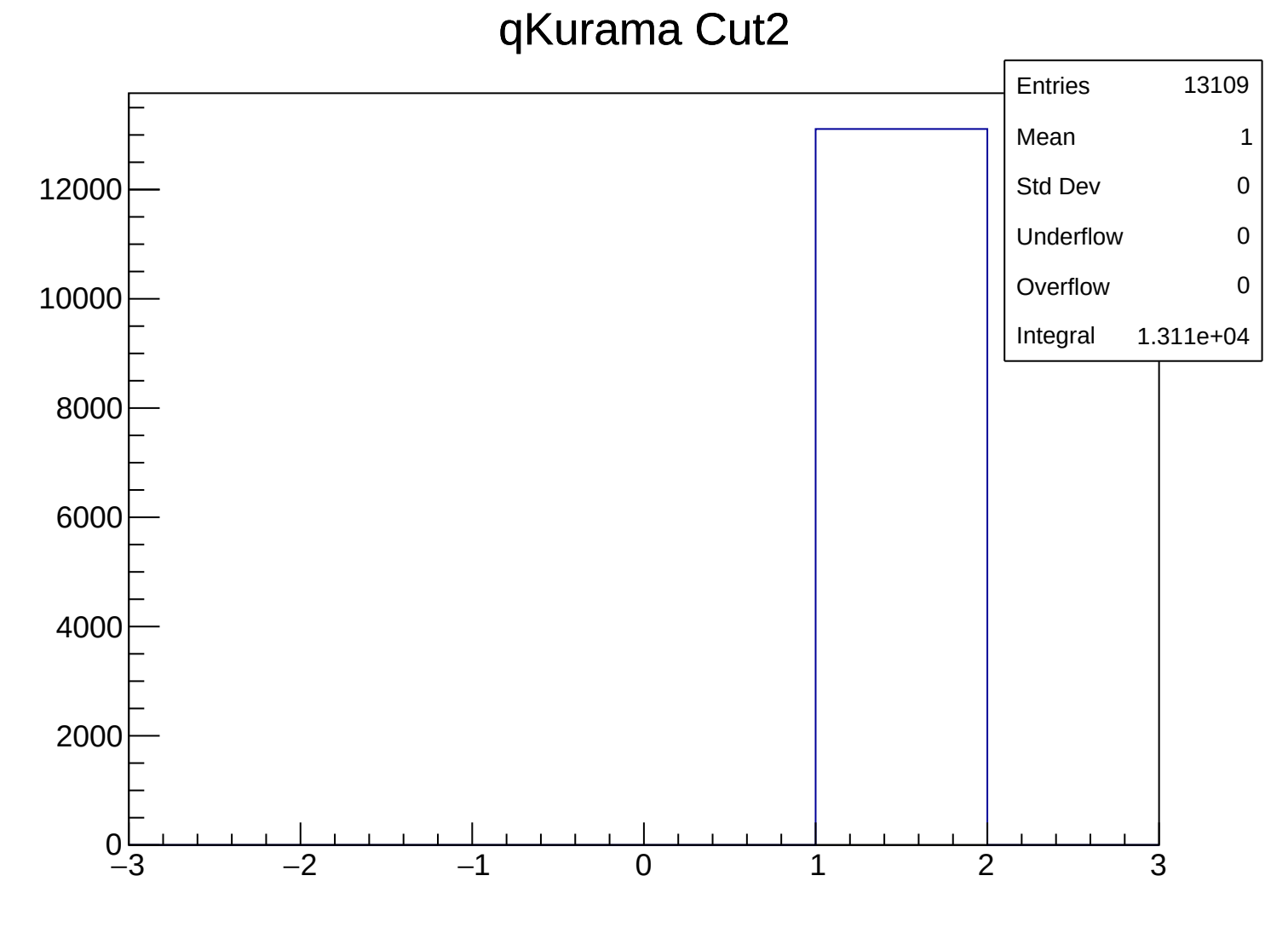

vpy[1] Cut1
Entries 280656
Mean –16.21
Std Dev 97.92
Underflow 0
Overflow 0
Integral 2.807e+05
4500
4000
3500
3000
2500
2000
1500
1000
500
0
–400
–300
–200
–100
0
100
200
300
400

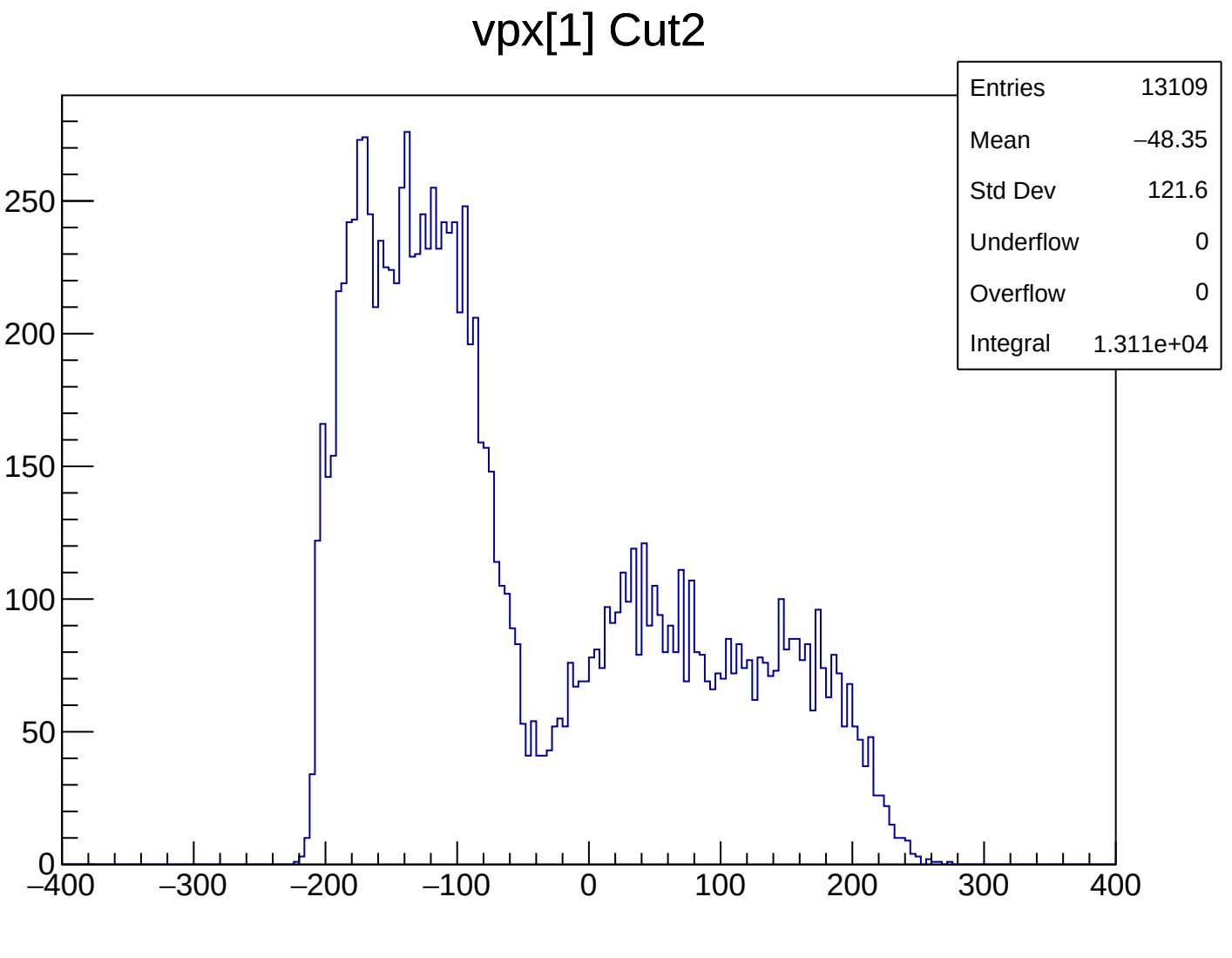

vpseg[1] Cut1
Entries 280656
Mean 26.92
Std Dev 11.87
Underflow 0
Overflow 0
Integral 2.807e+05
16000
14000
12000
10000
8000
6000
4000
2000
0
10
20
30
40
50
60

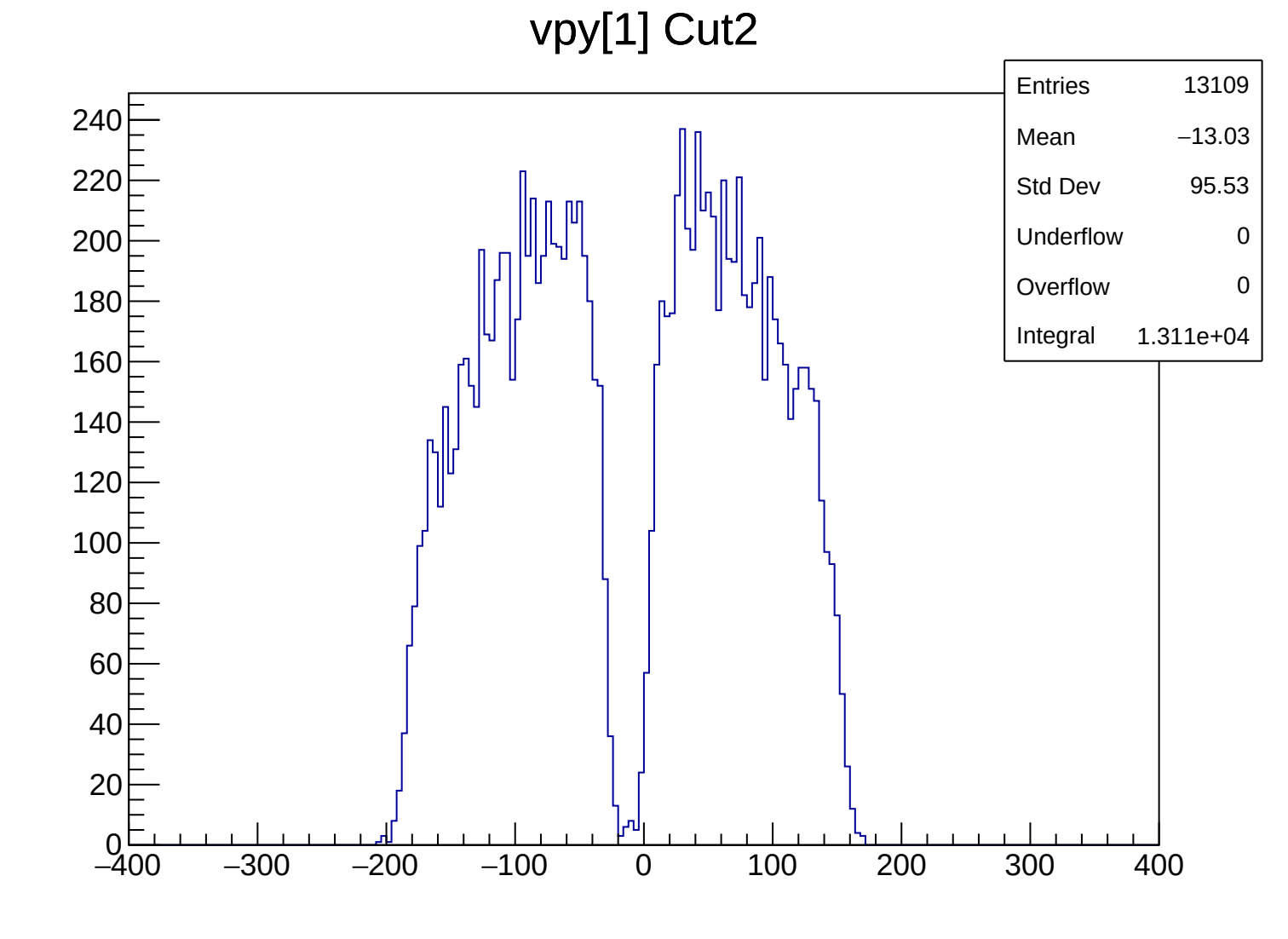

pKurama Cut2
Entries 13109
Mean 0.8152
Std Dev 0.1647
Underflow 0
Overflow 1
Integral 1.311e+04
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

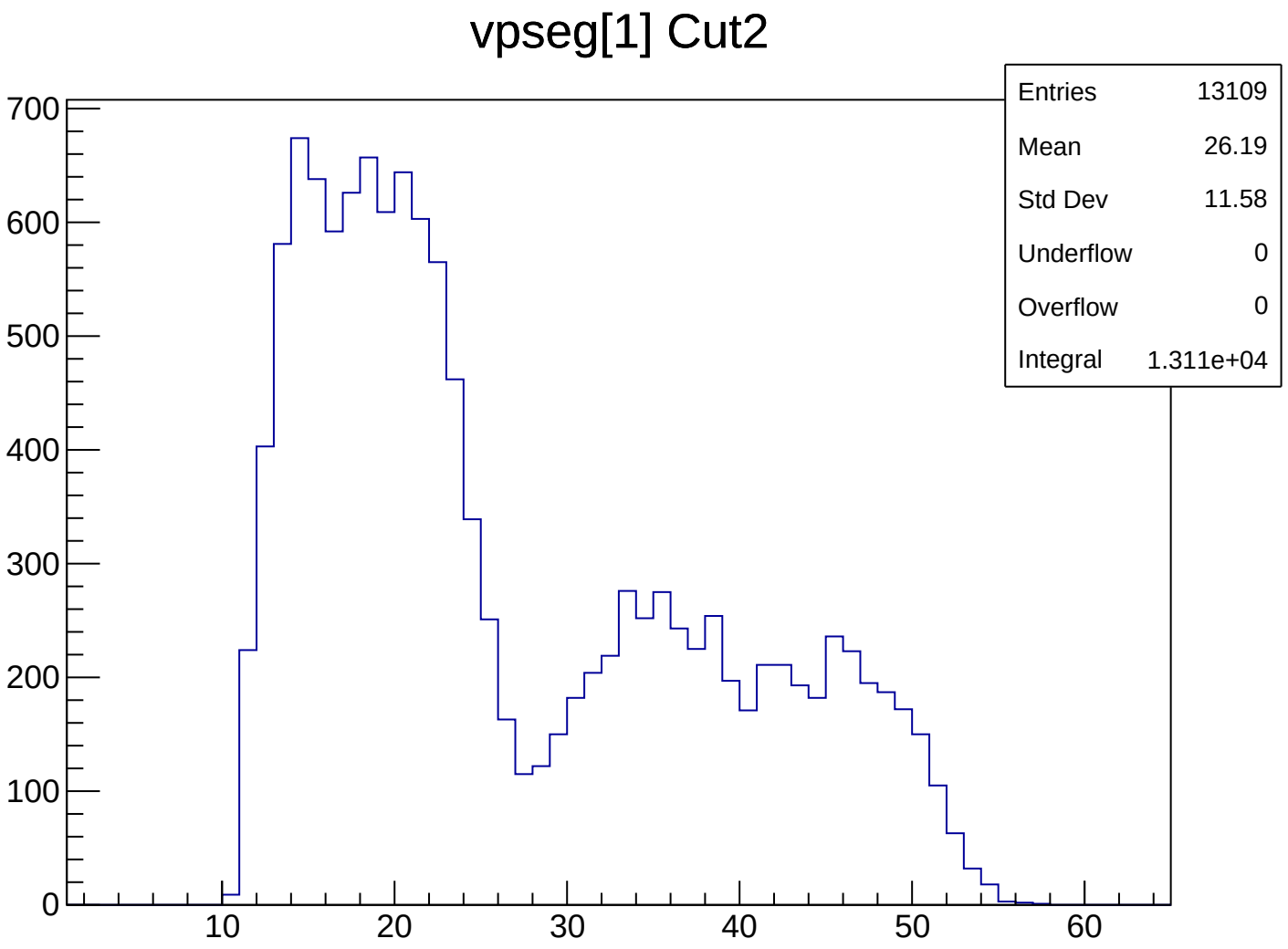

m2 Cut2
Entries 13109
Mean 0.2303
Std Dev 0.04478
Underflow 0
Overflow 0
Integral 1.311e+04
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

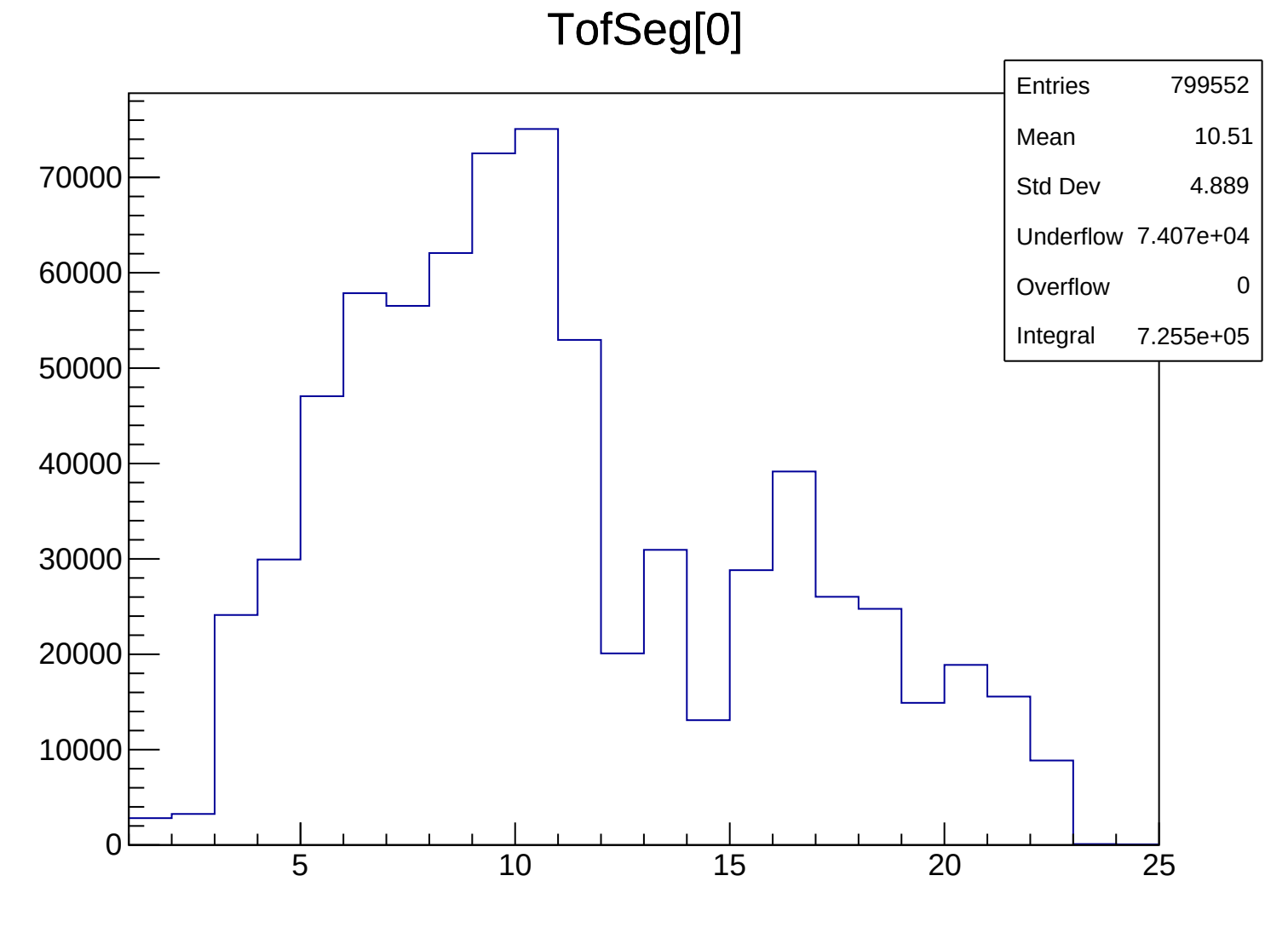

chisqrKurama Cut2
Entries 13109
Mean 4.668
Std Dev 2.343
Underflow 0
Overflow 0
Integral 1.311e+04
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
160
180
200

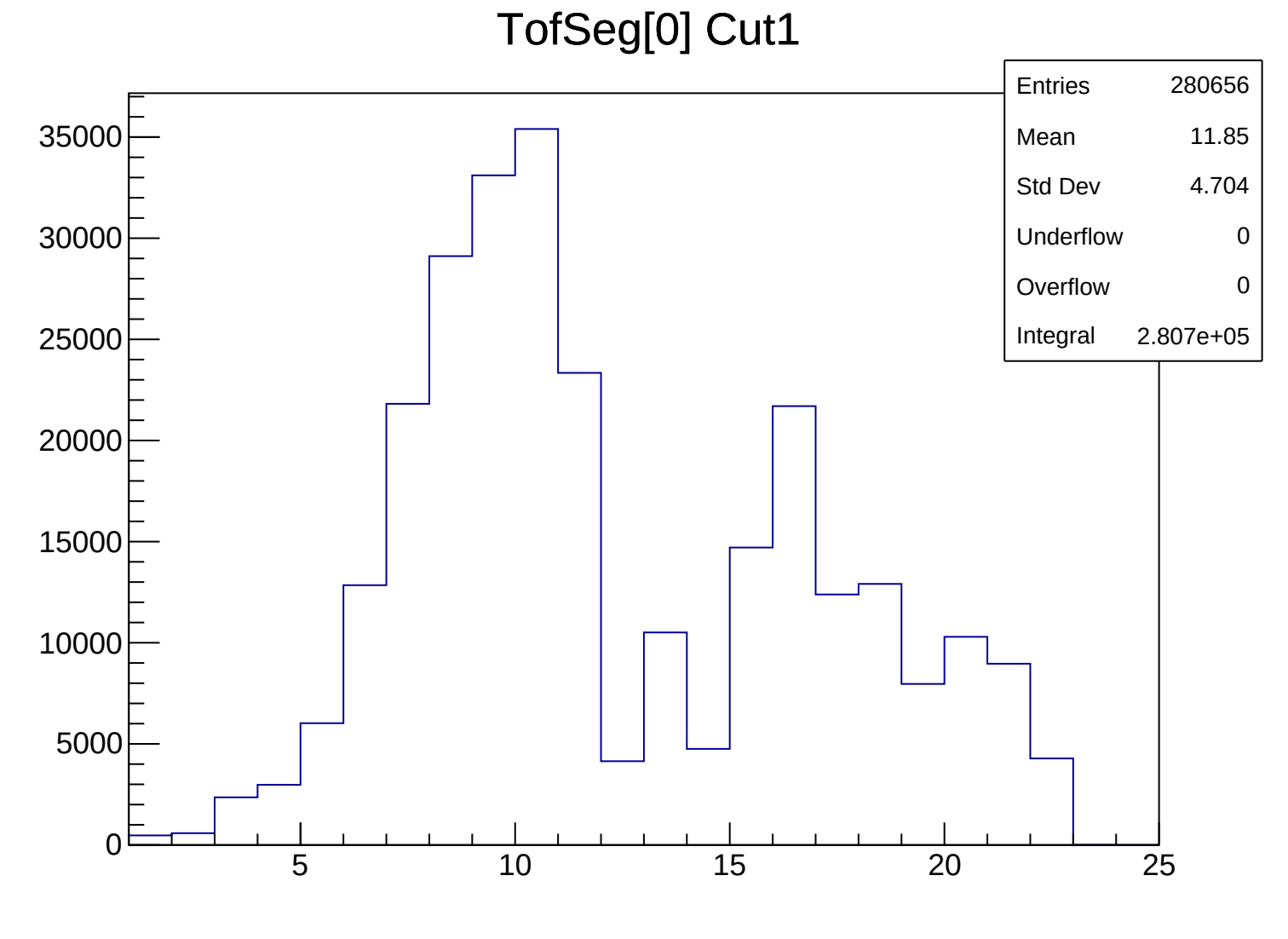

qKurama Cut2
Entries 13109
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 1.311e+04
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3

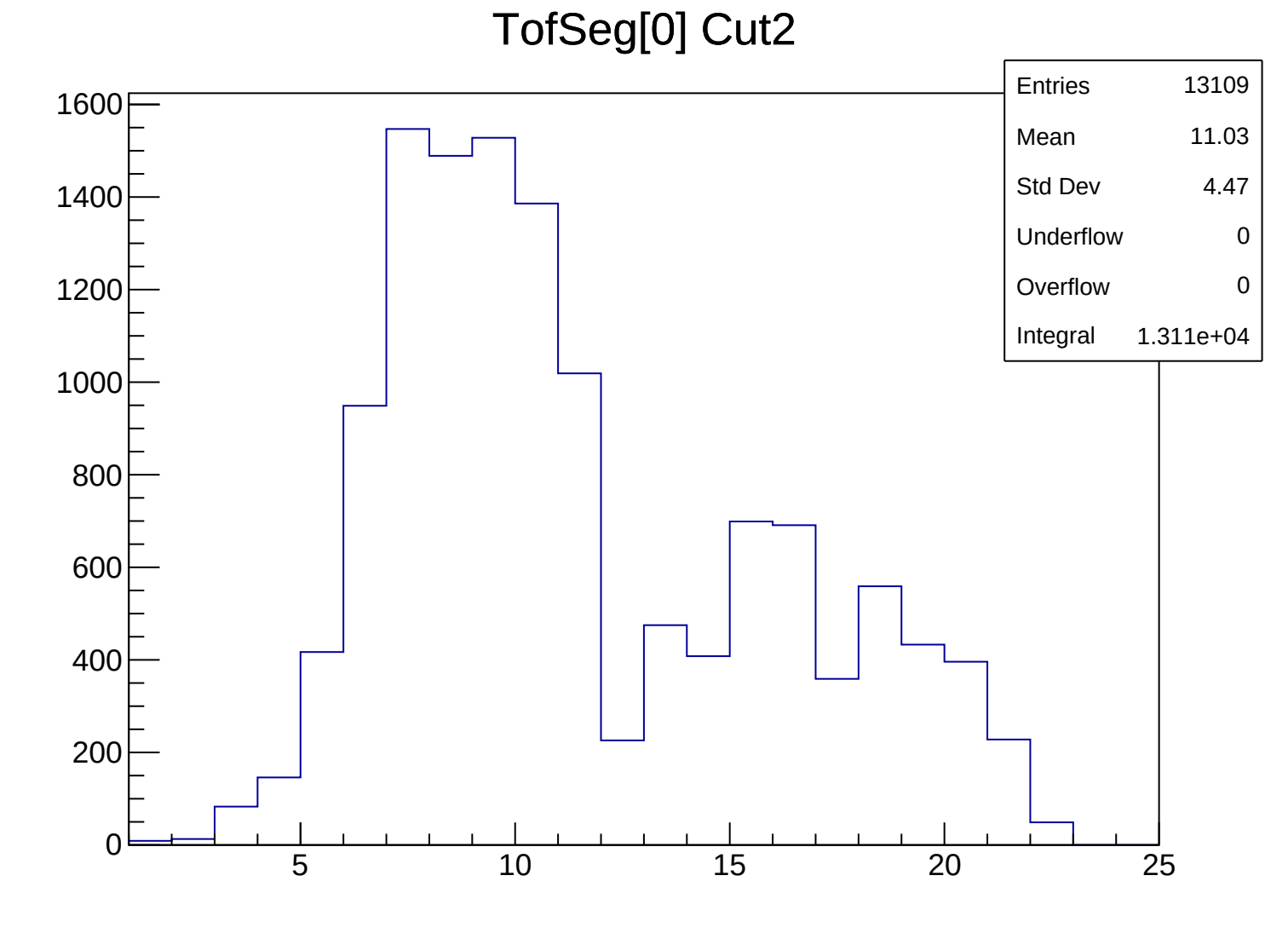

vpx[1] Cut2
Entries 13109
Mean –48.35
Std Dev 121.6
Underflow 0
Overflow 0
Integral 1.311e+04
250
200
150
100
50
0
–400
–300
–200
–100
0
100
200
300
400

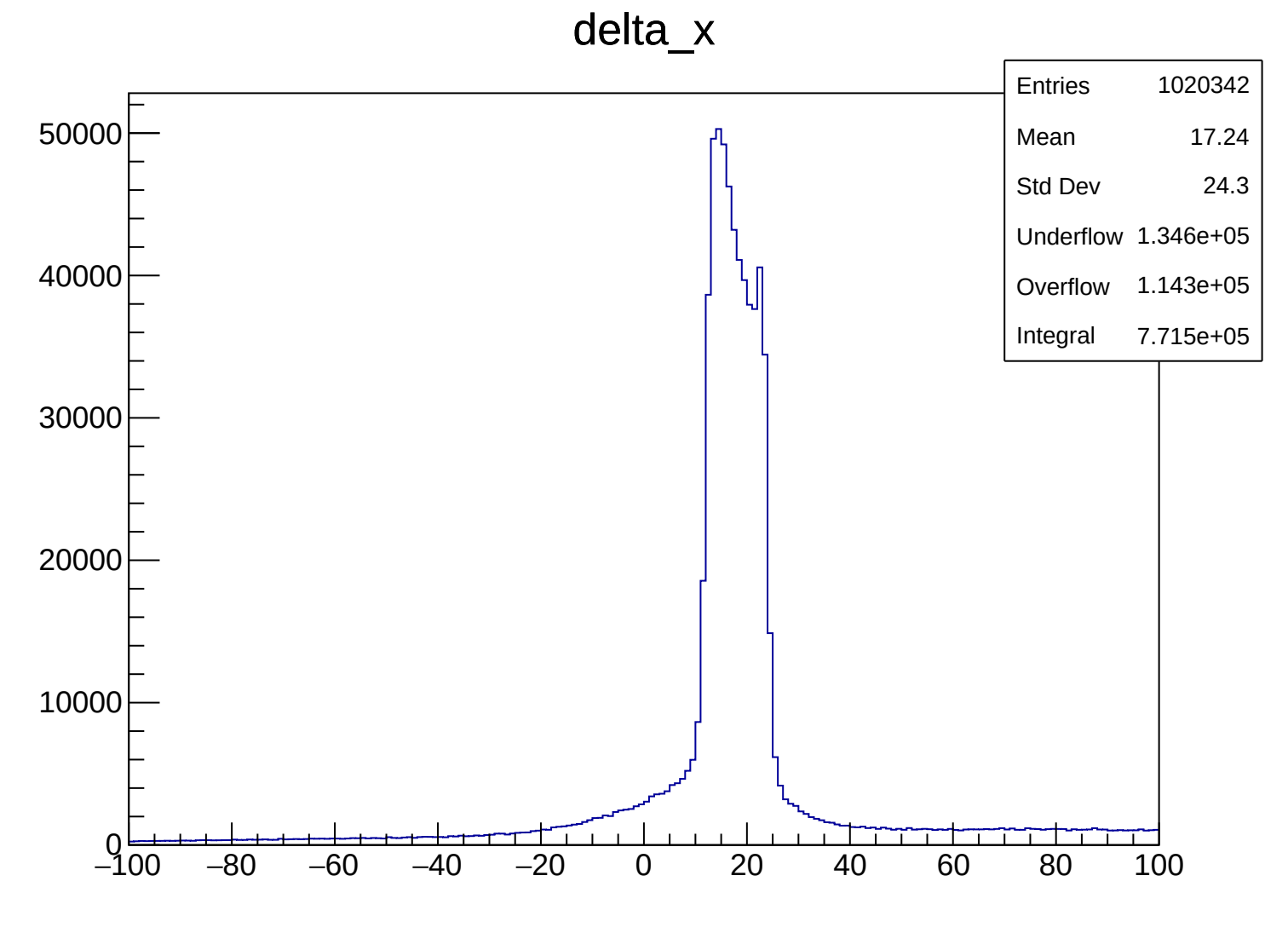

vpy[1] Cut2
Entries 13109
Mean −13.03
Std Dev 95.53
Underflow 0
Overflow 0
Integral 1.311e+04
240
220
200
180
160
140
120
100
80
60
40
20
0
−400
−300
−200
−100
0
100
200
300
400

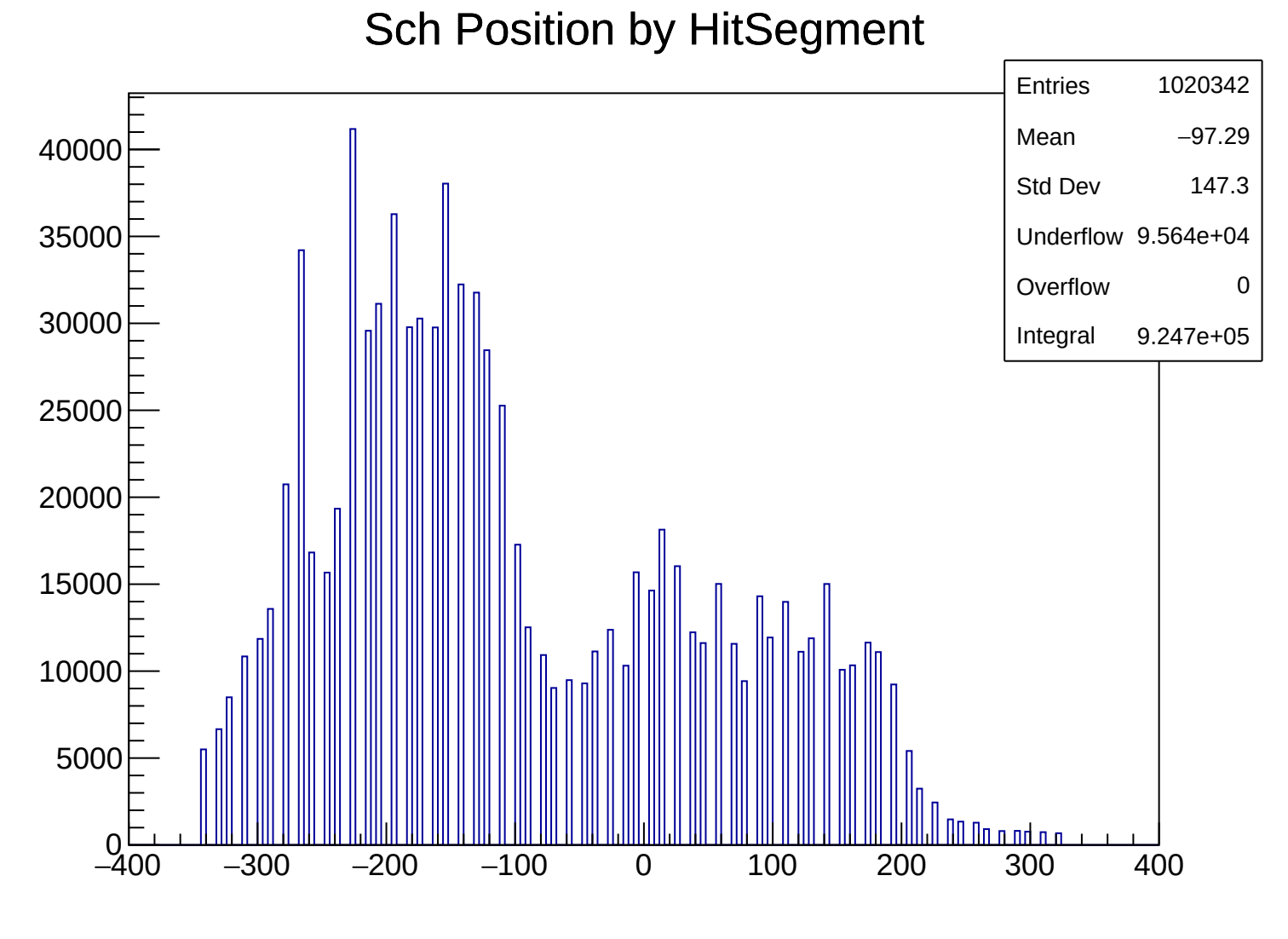

vpseg[1] Cut2
Entries 13109
Mean 26.19
Std Dev 11.58
Underflow 0
Overflow 0
Integral 1.311e+04
700
600
500
400
300
200
100
0
10
20
30
40
50
60

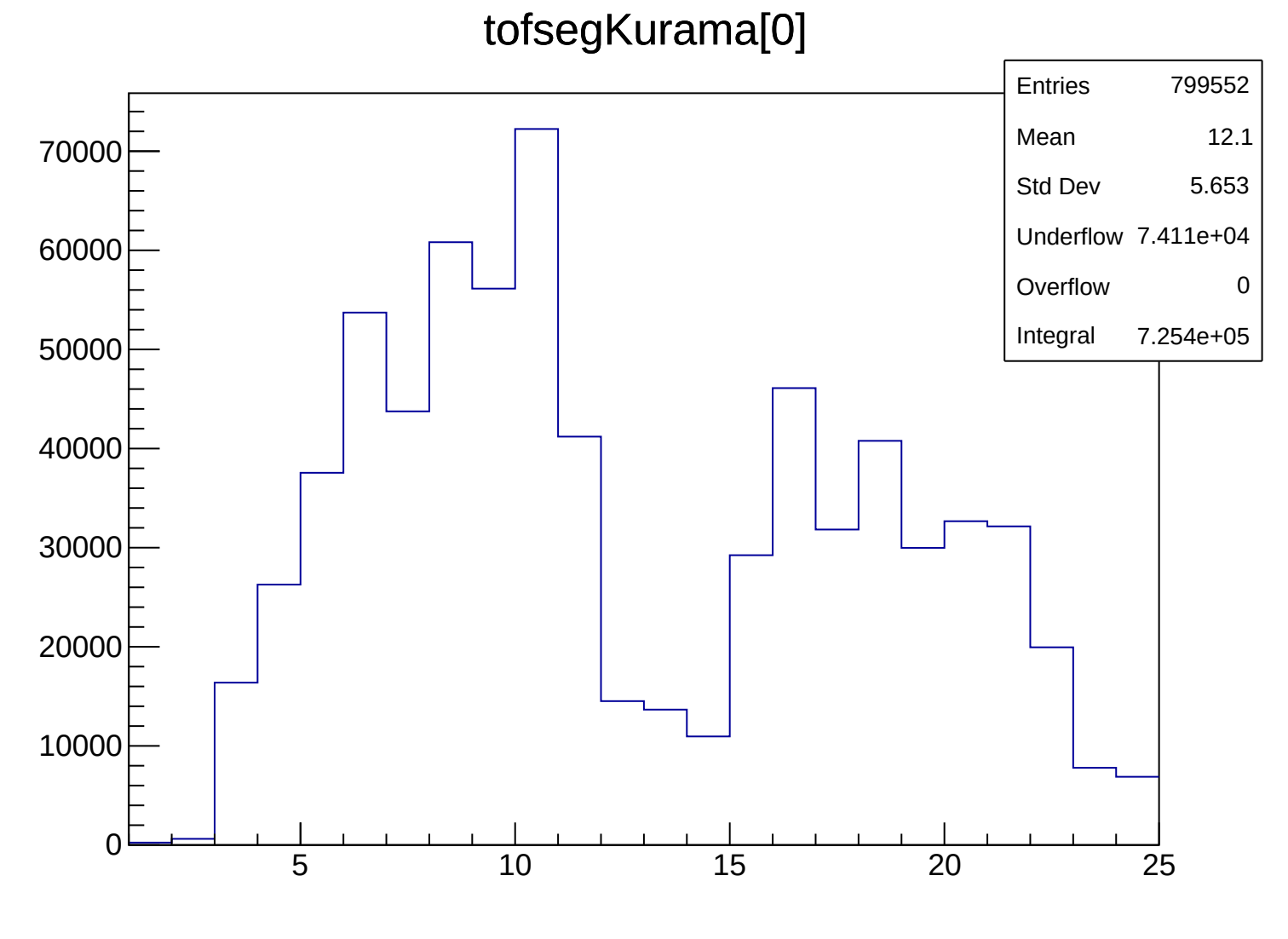

TofSeg[0]
Entries 799552
Mean 10.51
Std Dev 4.889
Underflow 7.407e+04
Overflow 0
Integral 7.255e+05
70000
60000
50000
40000
30000
20000
10000
0
5
10
15
20
25

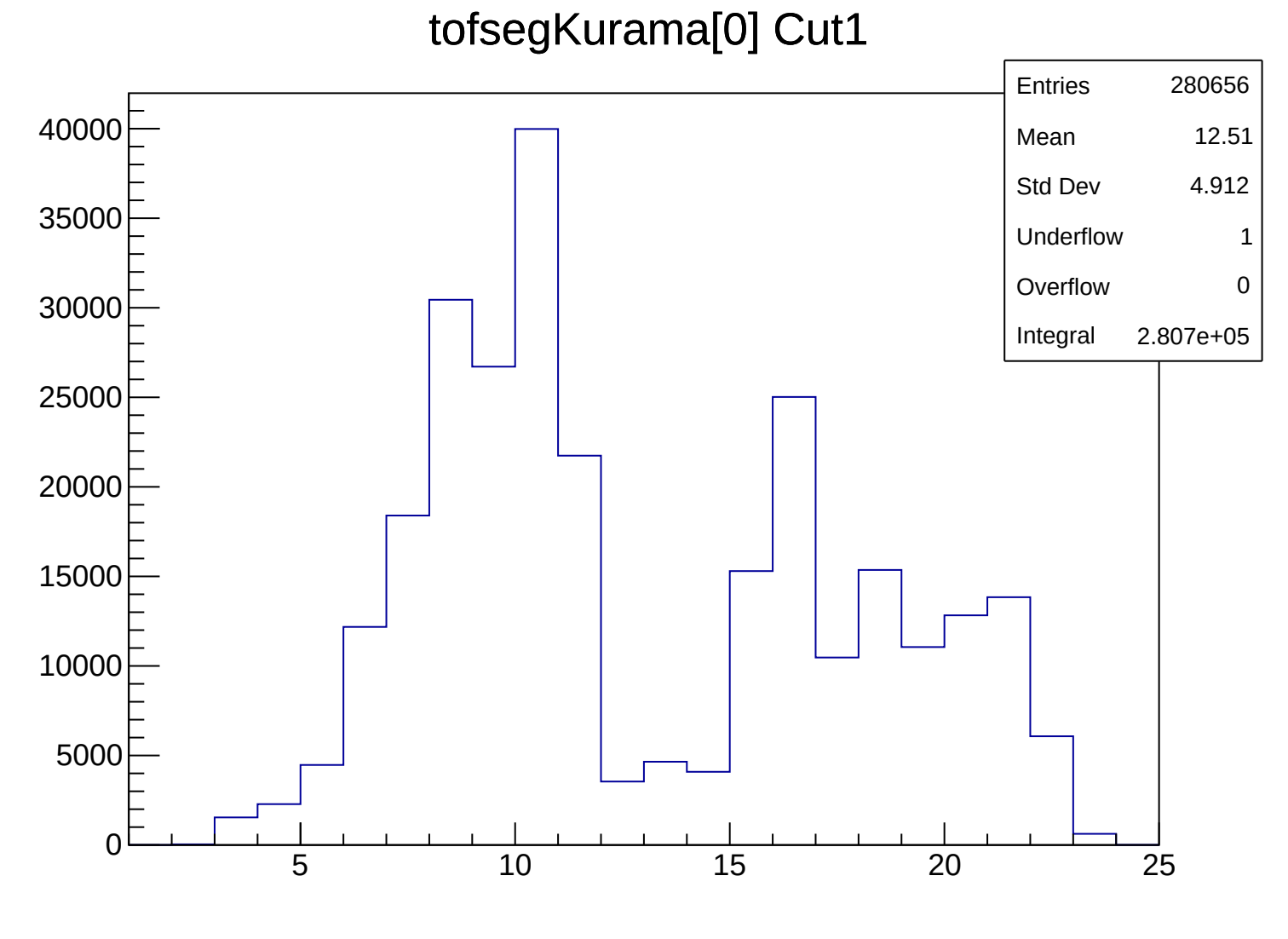

TofSeg[0] Cut1
Entries 280656
Mean 11.85
Std Dev 4.704
Underflow 0
Overflow 0
Integral 2.807e+05
35000
30000
25000
20000
15000
10000
5000
0
5
10
15
20
25

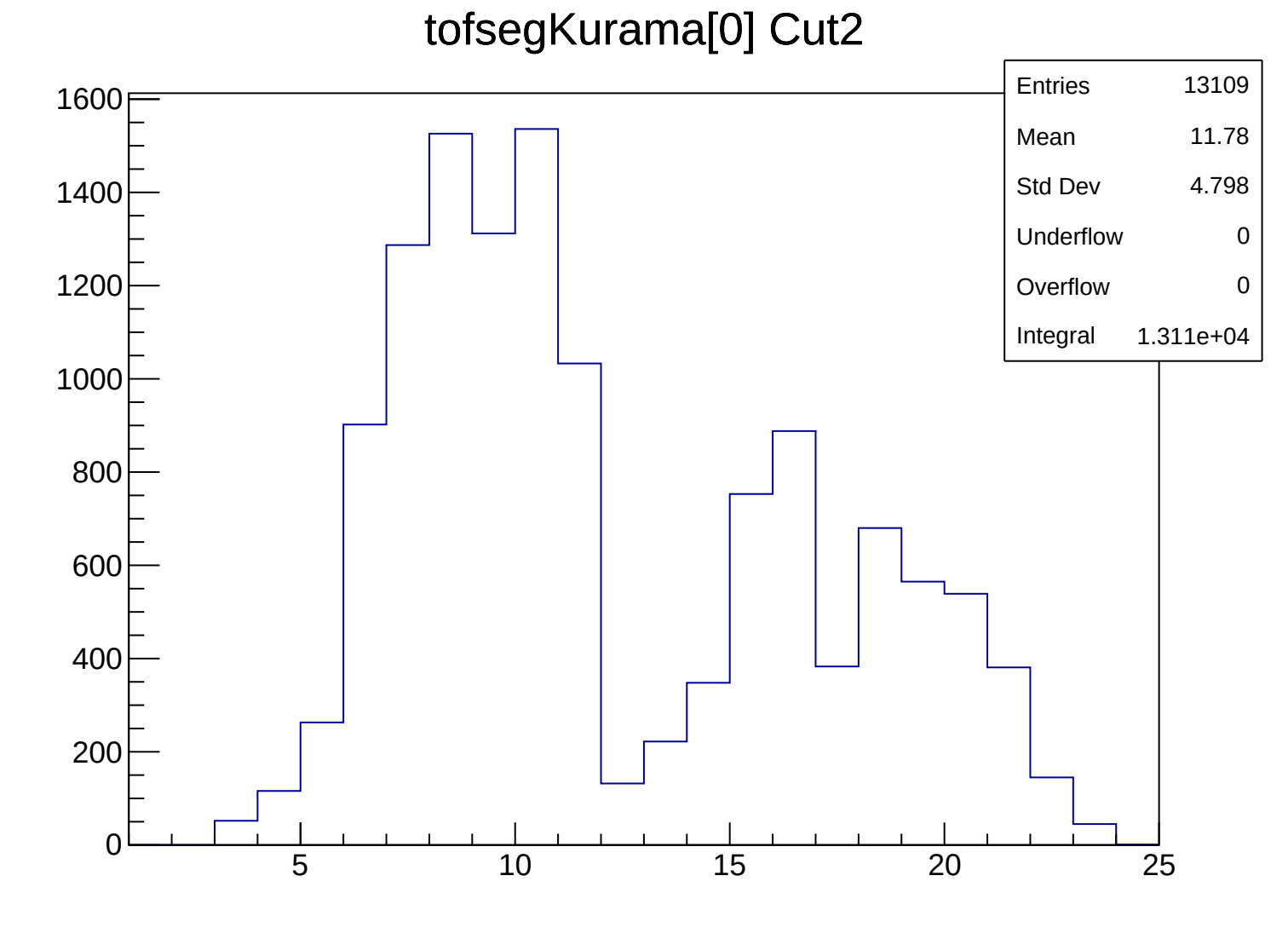

TofSeg[0] Cut2
Entries 13109
Mean 11.03
Std Dev 4.47
Underflow 0
Overflow 0
Integral 1.311e+04
1600
1400
1200
1000
800
600
400
200
0
5
10
15
20
25

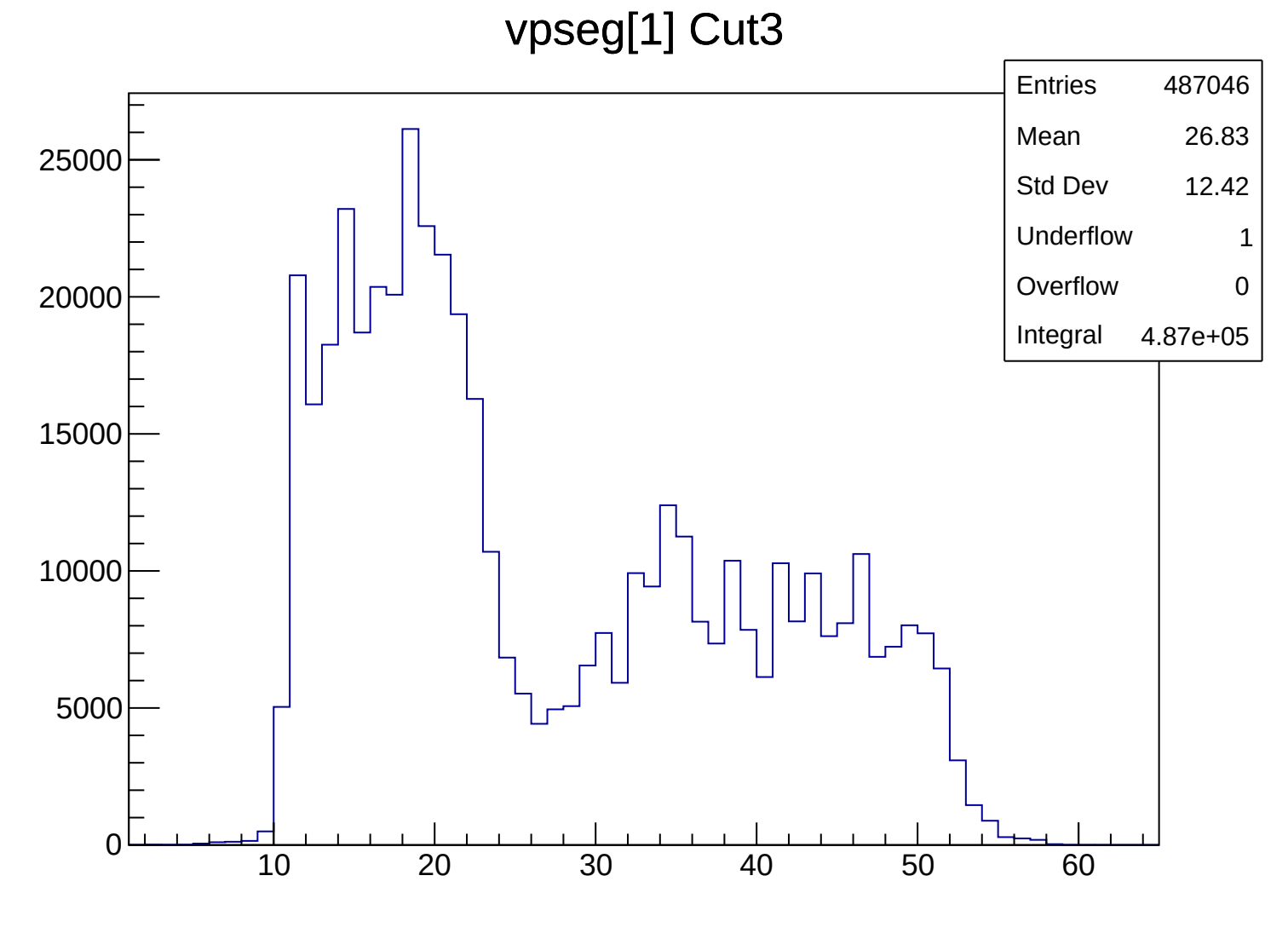

delta_x
Entries 1020342
Mean 17.24
Std Dev 24.3
Underflow 1.346e+05
Overflow 1.143e+05
Integral 7.715e+05
50000
40000
30000
20000
10000
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

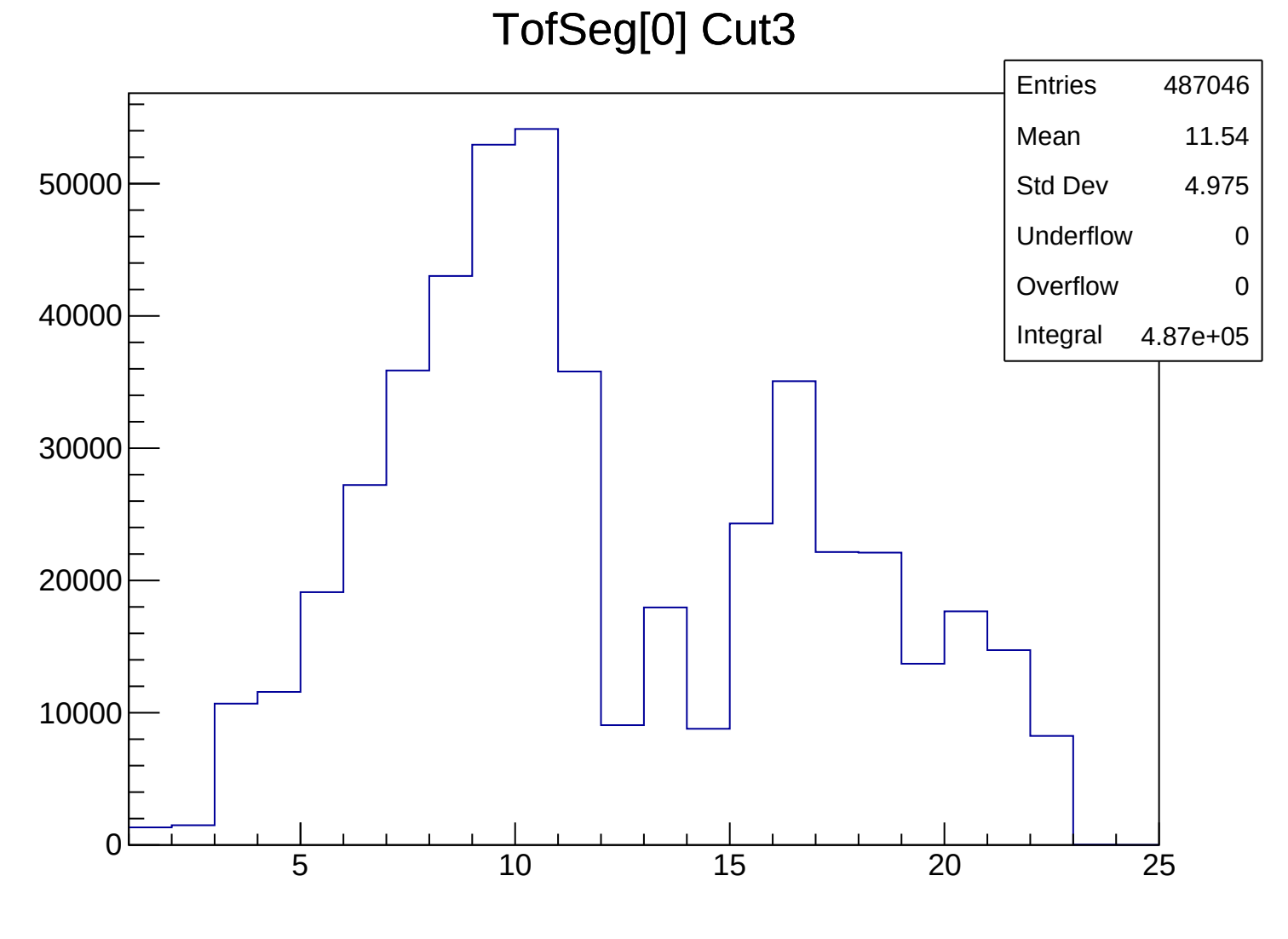

Sch Position by HitSegment
Entries 1020342
Mean –97.29
Std Dev 147.3
Underflow 9.564e+04
Overflow 0
Integral 9.247e+05
40000
35000
30000
25000
20000
15000
10000
5000
0
–400
–300
–200
–100
0
100
200
300
400

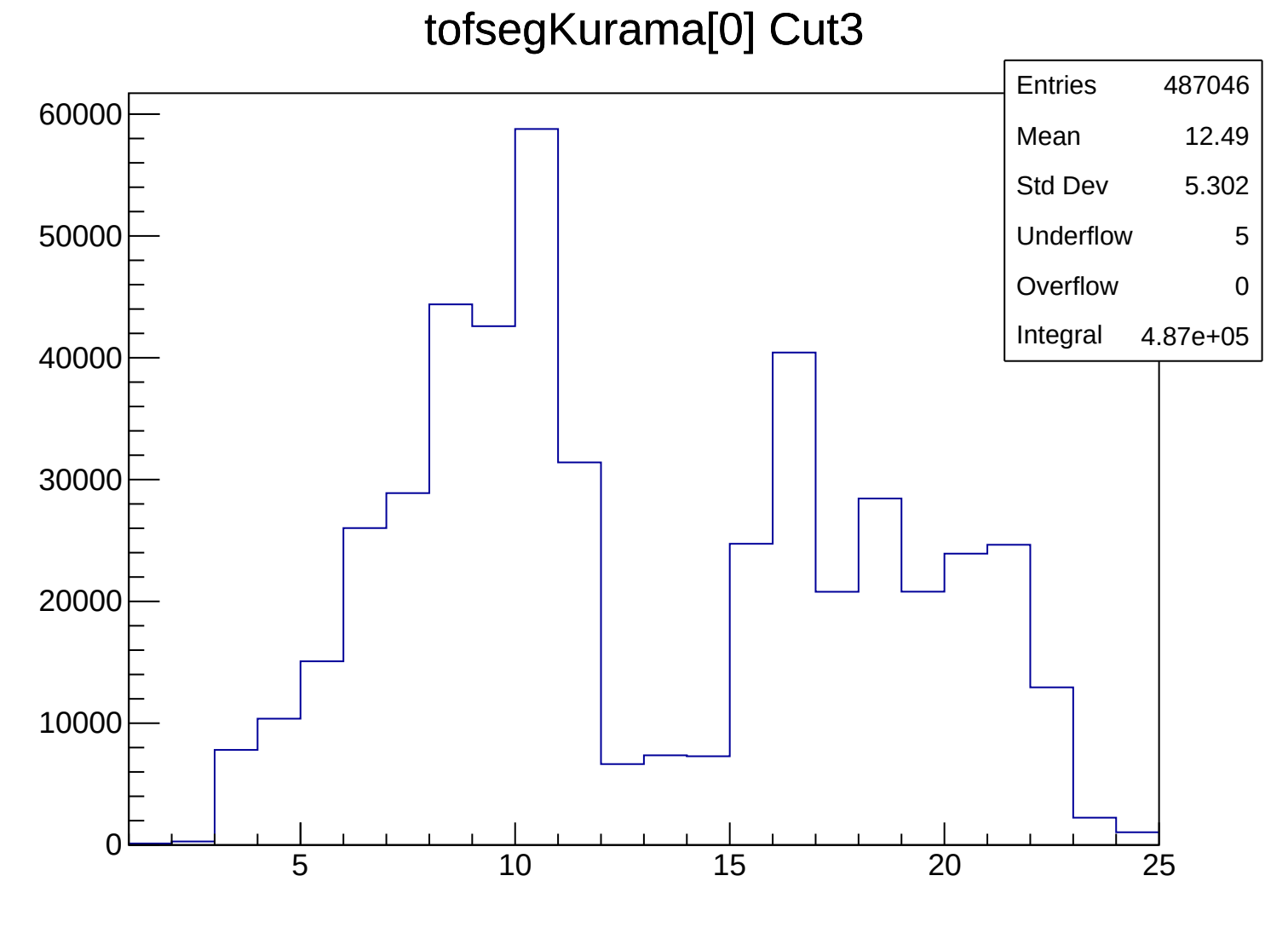

tofsegKurama[0]
Entries 799552
Mean 12.1
Std Dev 5.653
Underflow 7.411e+04
Overflow 0
Integral 7.254e+05
70000
60000
50000
40000
30000
20000
10000
0
5
10
15
20
25

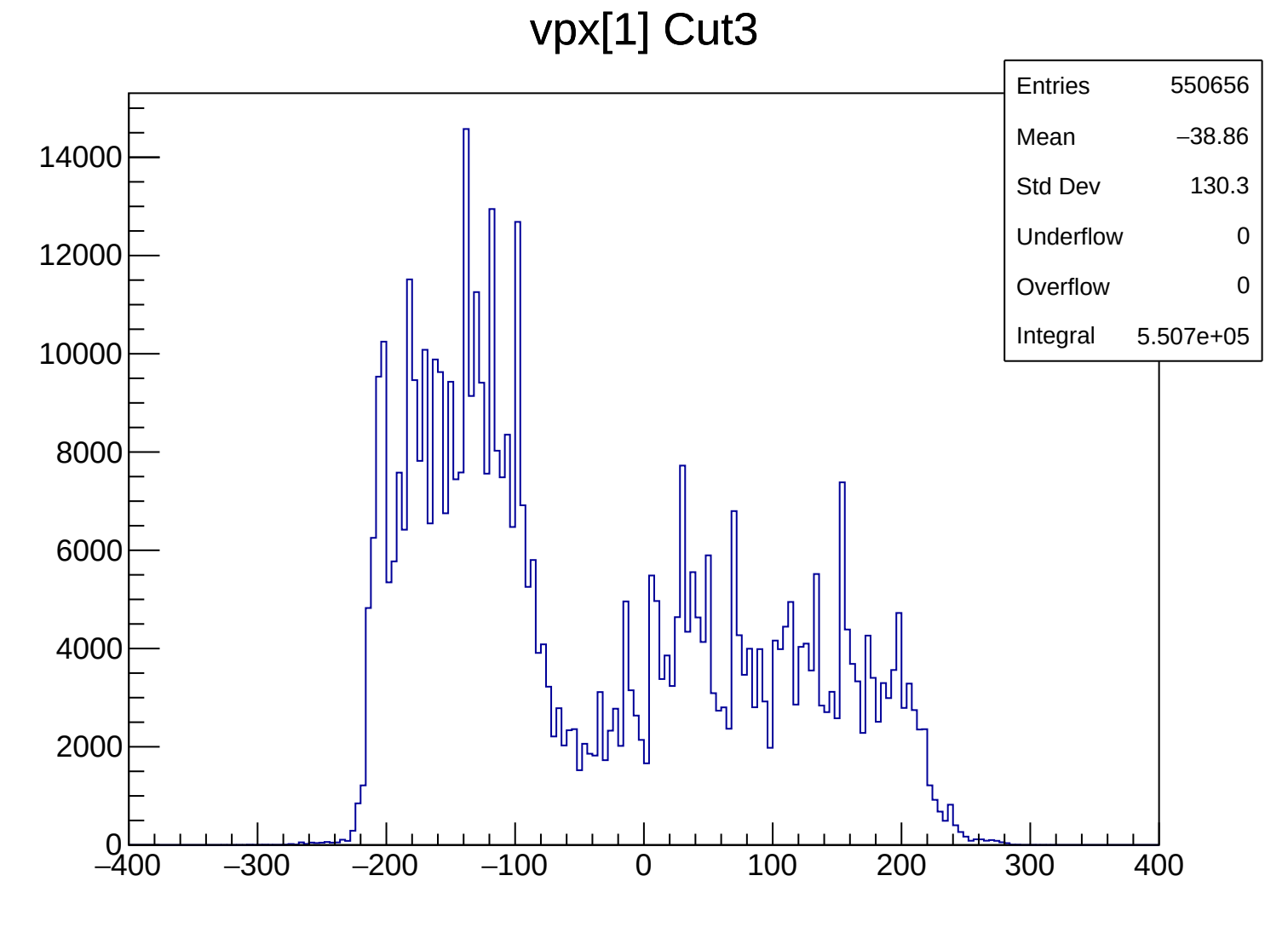

tofsegKurama[0] Cut1
Entries 280656
Mean 12.51
Std Dev 4.912
Underflow 1
Overflow 0
Integral 2.807e+05
40000
35000
30000
25000
20000
15000
10000
5000
0
5
10
15
20
25

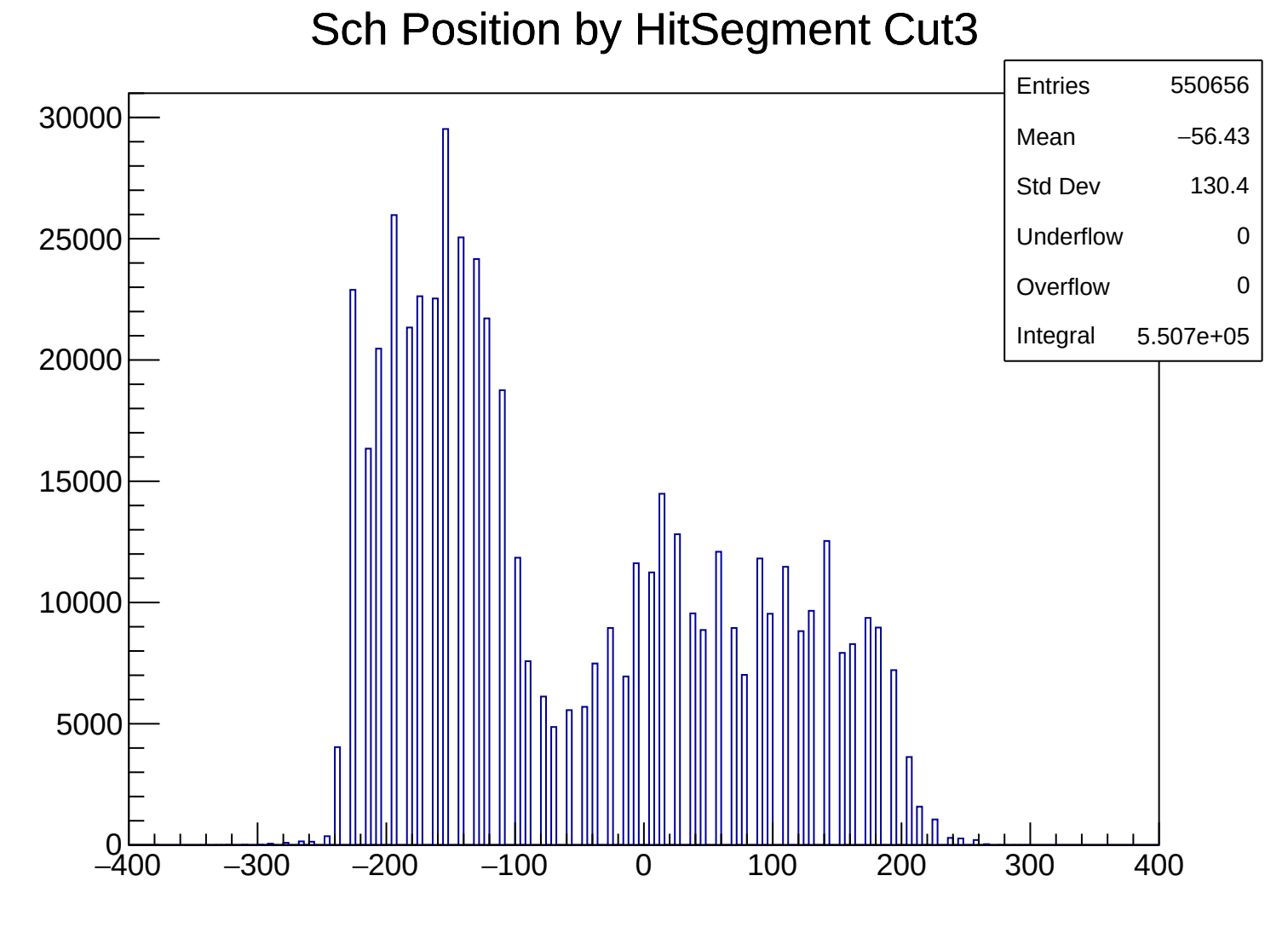

tofsegKurama[0] Cut2
Entries 13109
Mean 11.78
Std Dev 4.798
Underflow 0
Overflow 0
Integral 1.311e+04
1600
1400
1200
1000
800
600
400
200
0
5
10
15
20
25

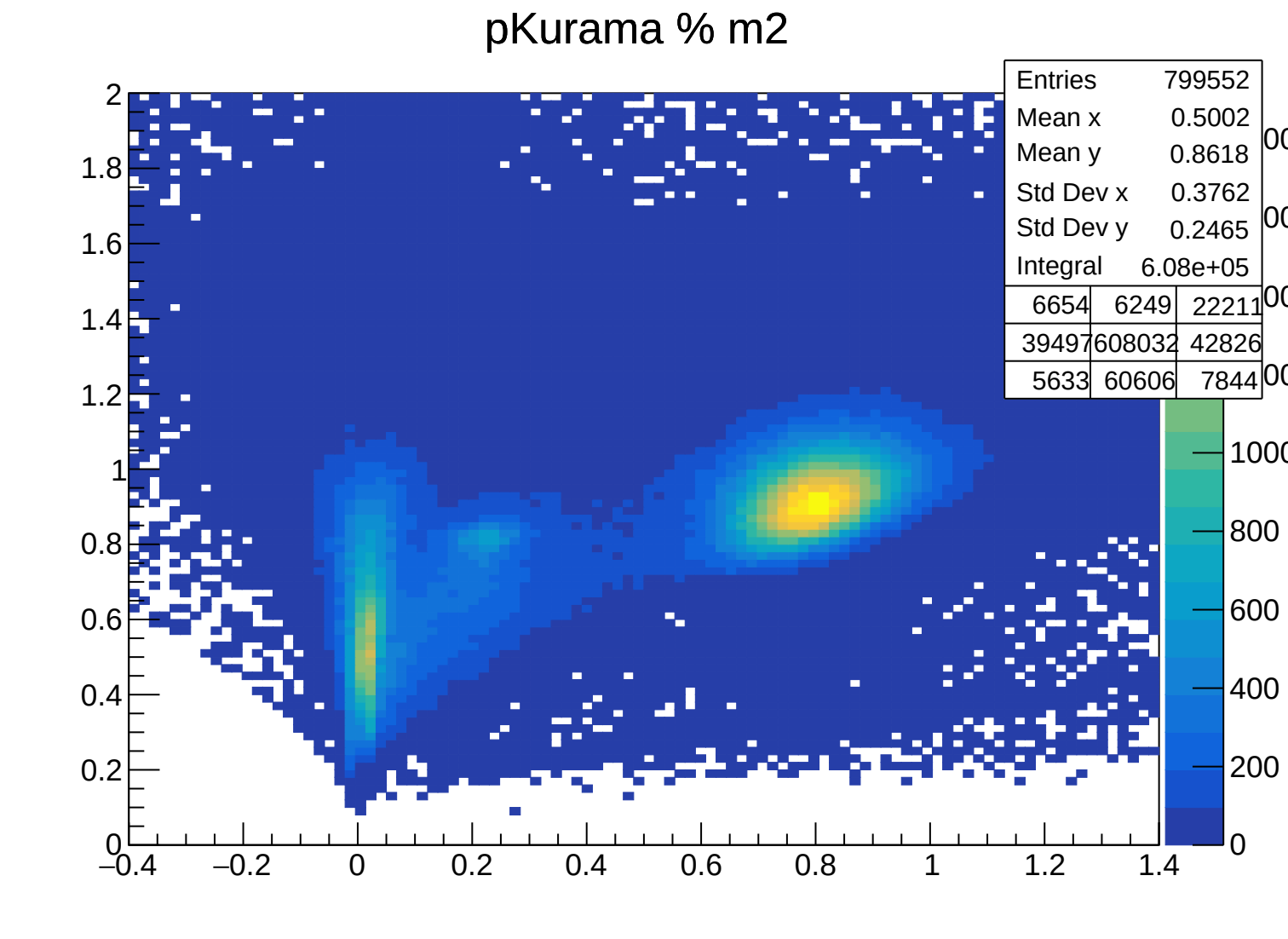

vpseg[1] Cut3
Entries 487046
Mean 26.83
Std Dev 12.42
Underflow 1
Overflow 0
Integral 4.87e+05
25000
20000
15000
10000
5000
0
10
20
30
40
50
60

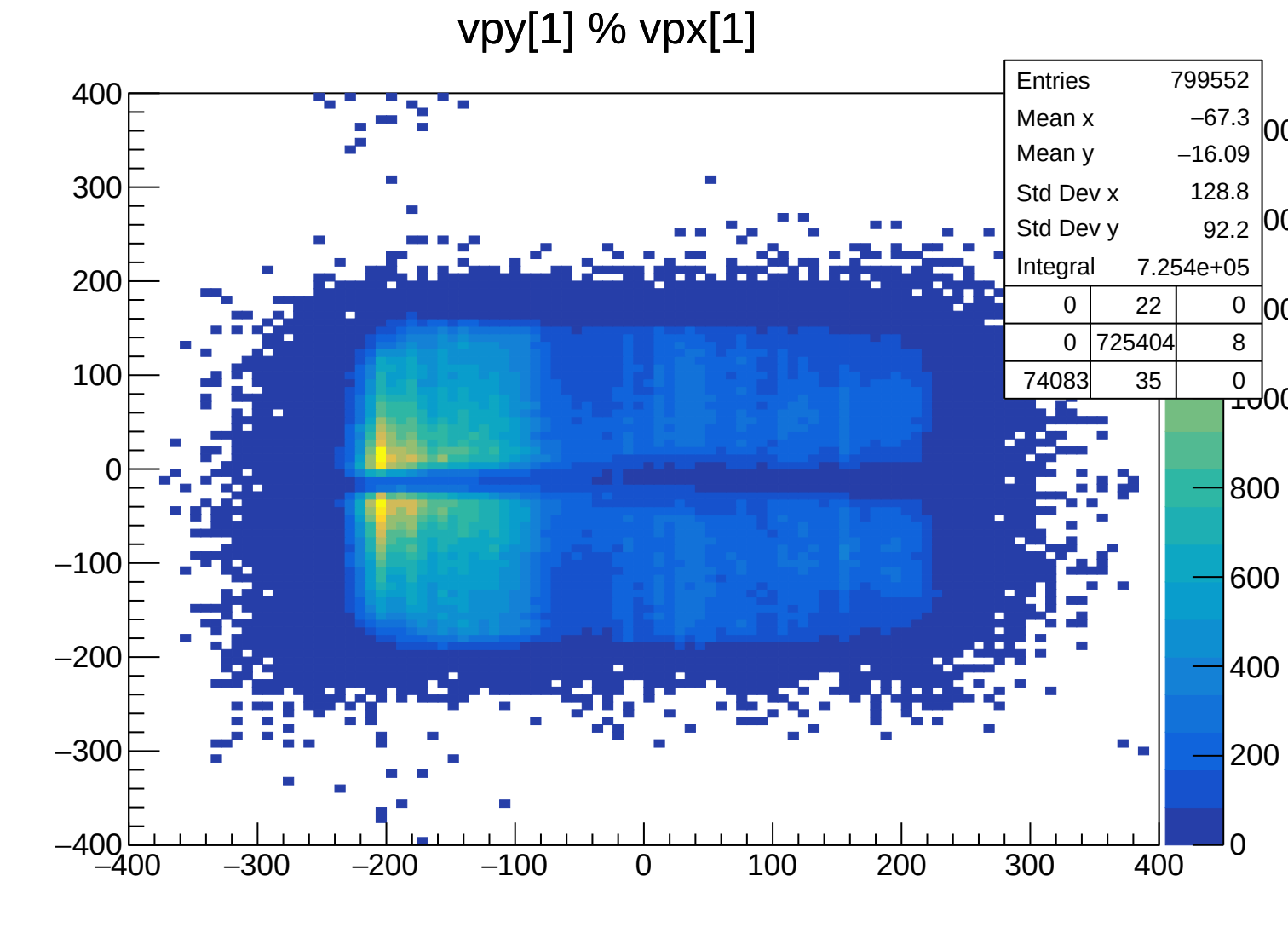

TofSeg[0] Cut3
Entries 487046
Mean 11.54
Std Dev 4.975
Underflow 0
Overflow 0
Integral 4.87e+05
50000
40000
30000
20000
10000
0
5
10
15
20
25

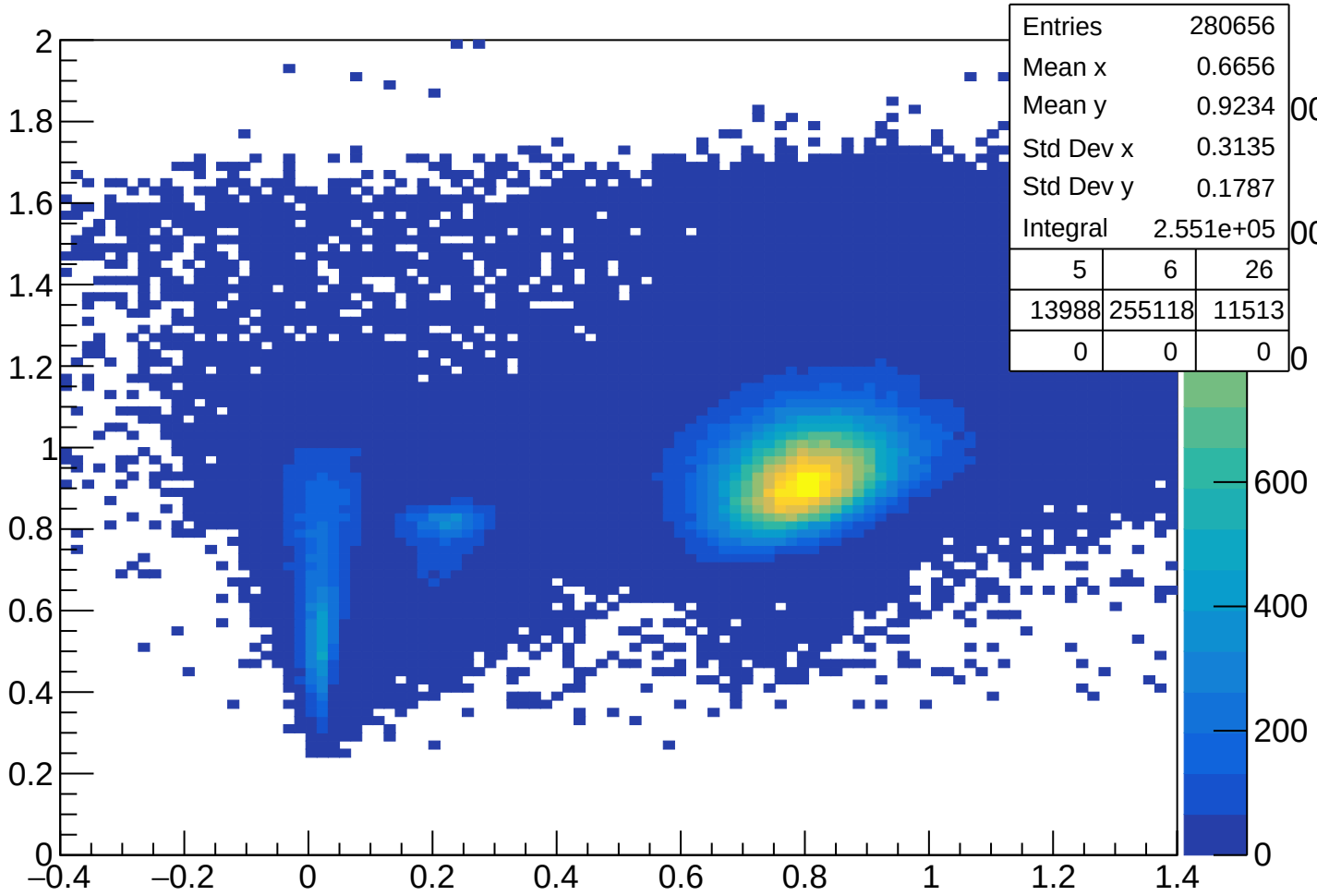

tofsegKurama[0] Cut3
Entries 487046
Mean 12.49
Std Dev 5.302
Underflow 5
Overflow 0
Integral 4.87e+05
60000
50000
40000
30000
20000
10000
0
5
10
15
20
25

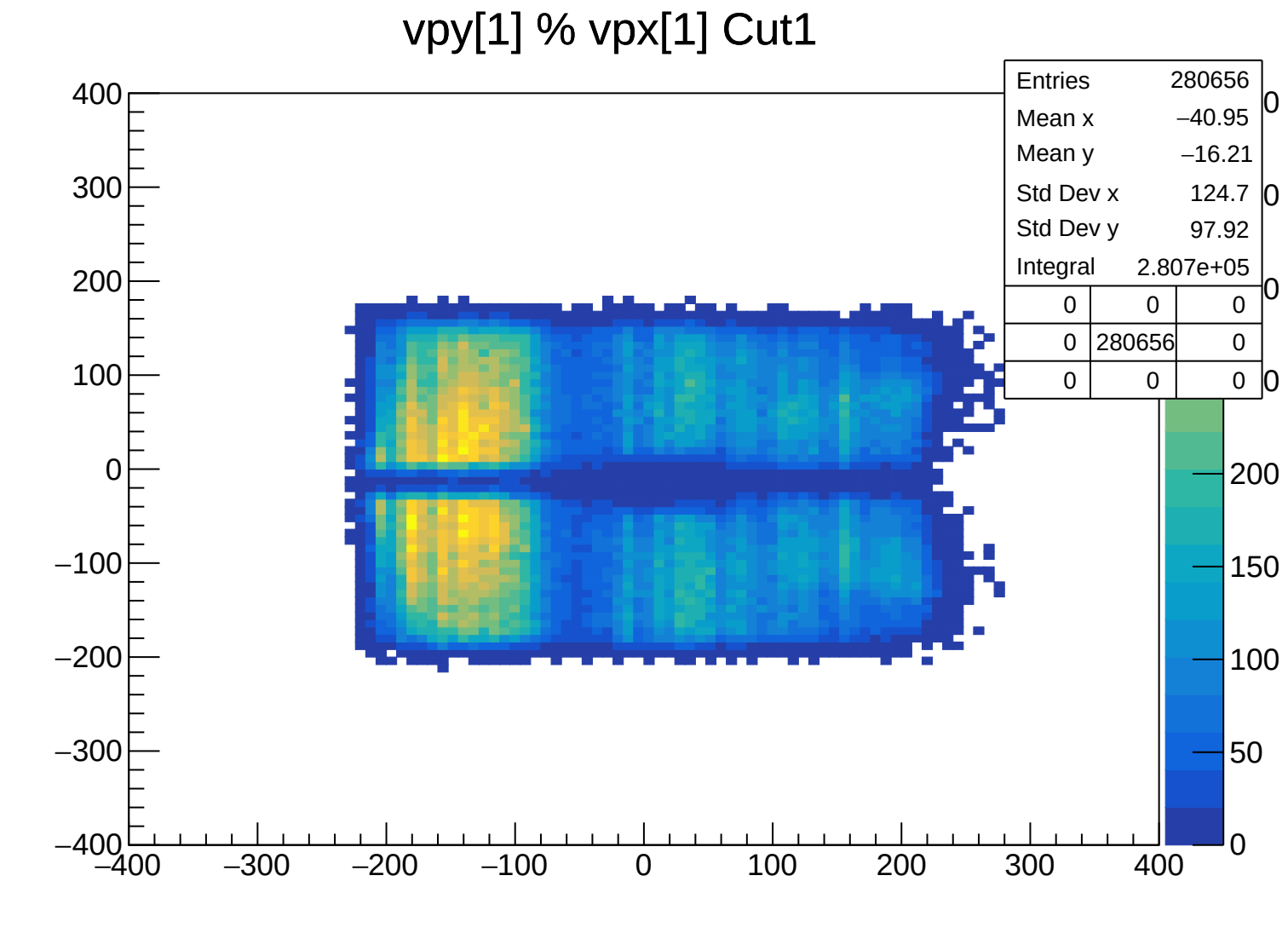

vpx[1] Cut3
Entries 550656
Mean −38.86
Std Dev 130.3
Underflow 0
Overflow 0
Integral 5.507e+05
14000
12000
10000
8000
6000
4000
2000
0
−400
−300
−200
−100
0
100
200
300
400

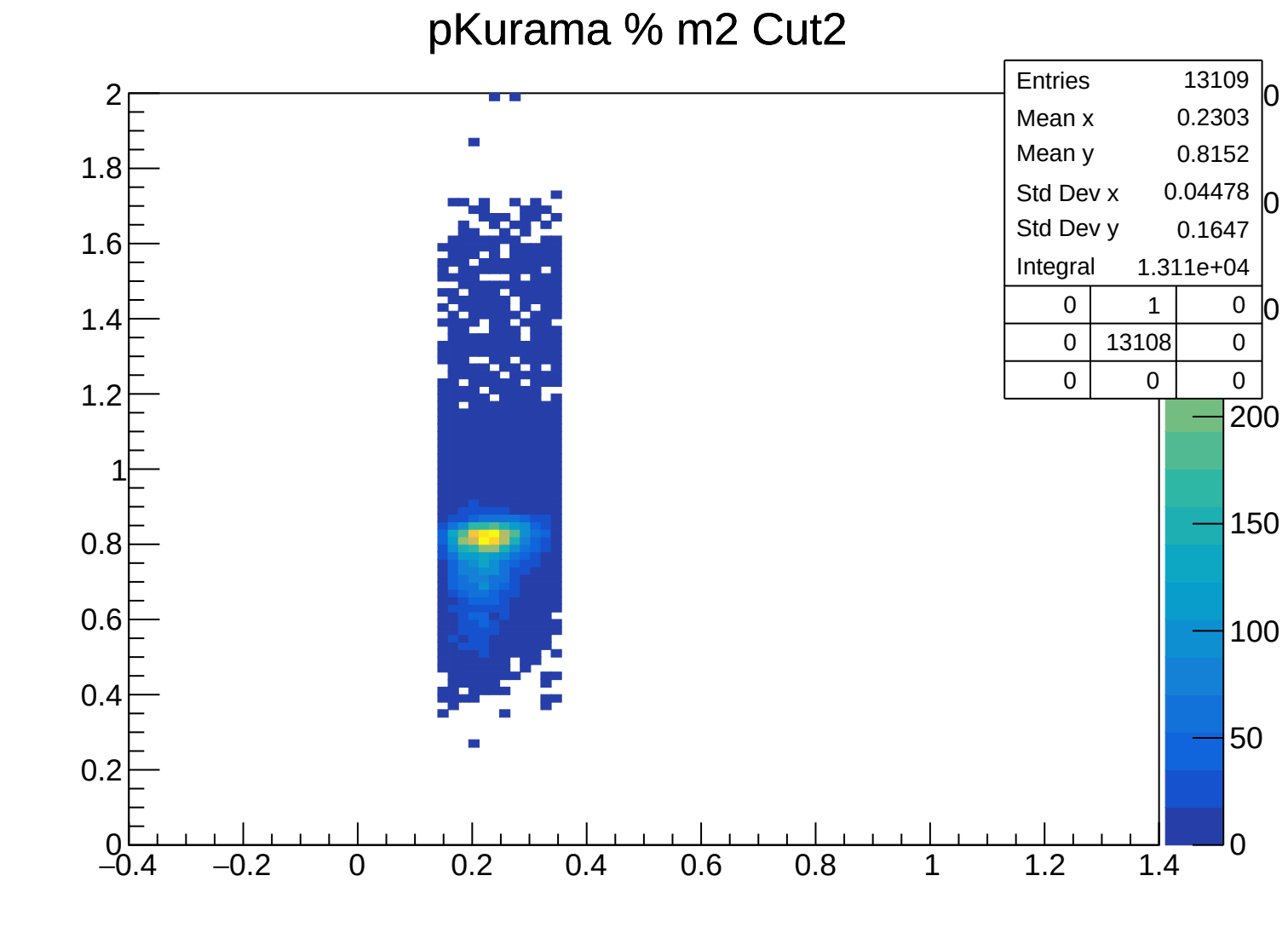

Sch Position by HitSegment Cut3
Entries 550656
Mean –56.43
Std Dev 130.4
Underflow 0
Overflow 0
Integral 5.507e+05
30000
25000
20000
15000
10000
5000
0
–400
–300
–200
–100
0
100
200
300
400

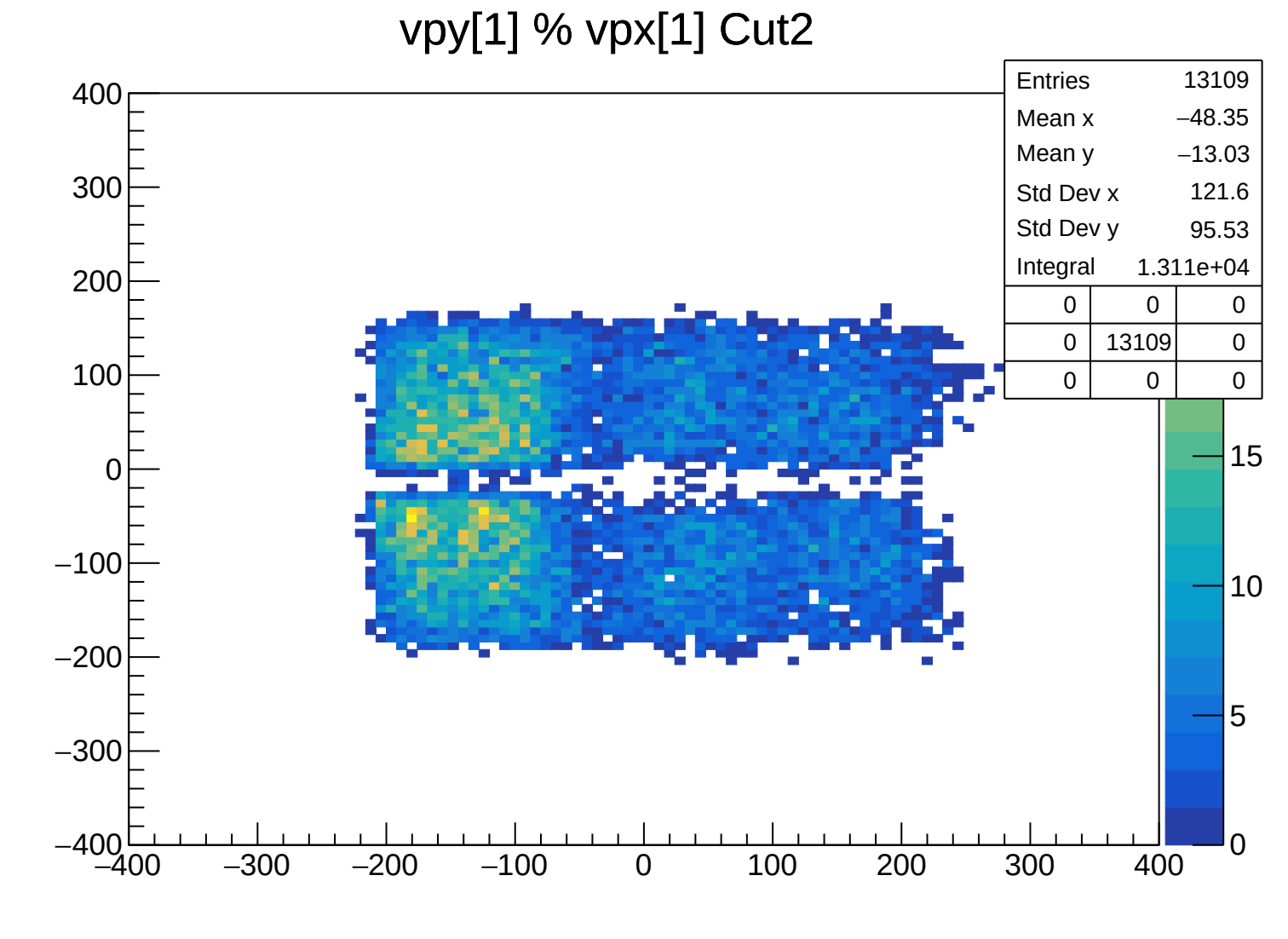

pKurama % m2
Entries 799552
Mean x 0.5002
Mean y 0.8618
Std Dev x 0.3762
Std Dev y 0.2465
Integral 6.08e+05
6654 6249 22211
39497 608032 42826
5633 60606 7844
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1000
800
600
400
200
0

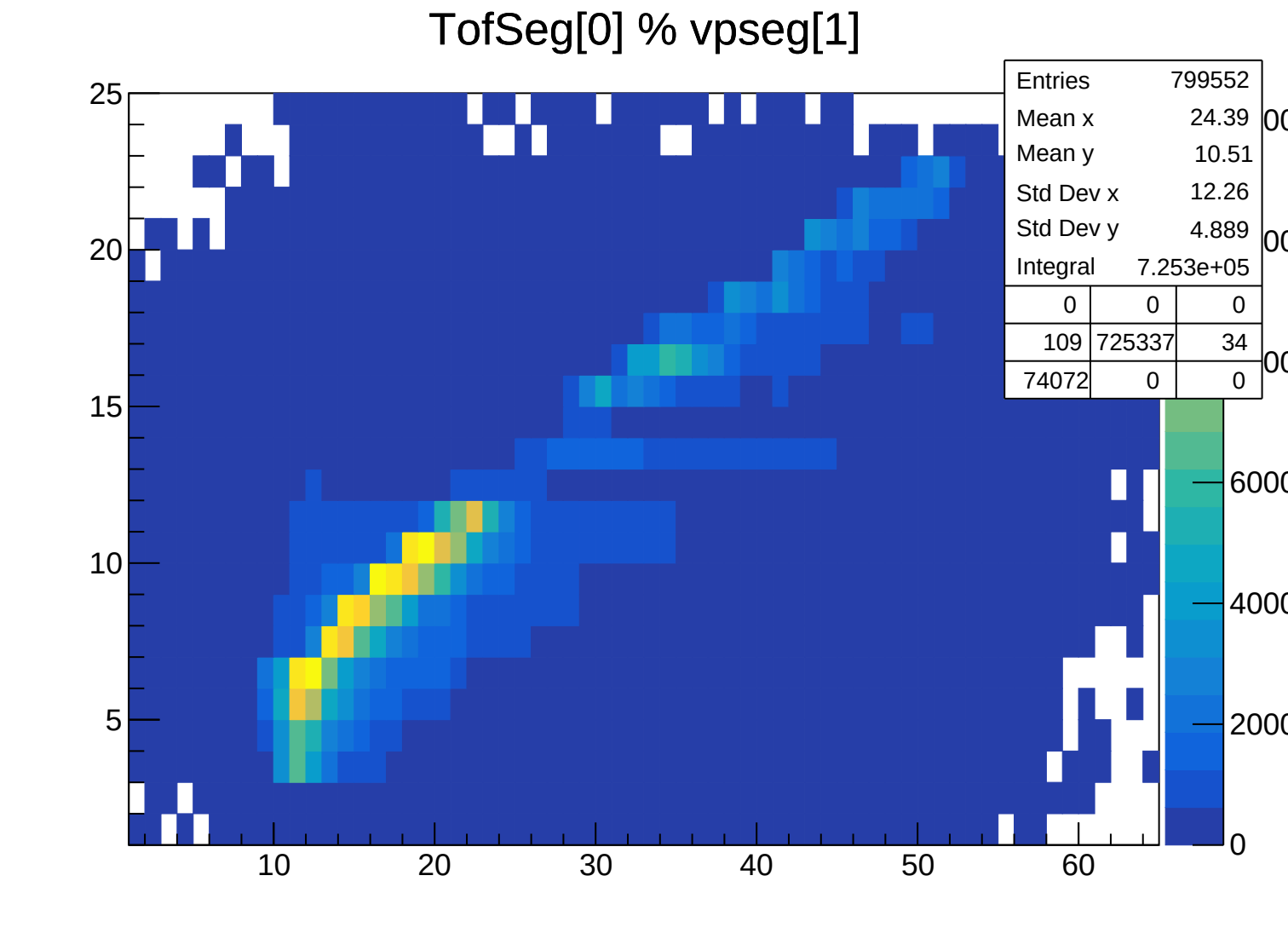

vpy[1] % vpx[1]
Entries 799552
Mean x −67.3
Mean y −16.09
Std Dev x 128.8
Std Dev y 92.2
Integral 7.254e+05
0 22 0
0 725404 8
74083 35 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
800
600
400
200
0

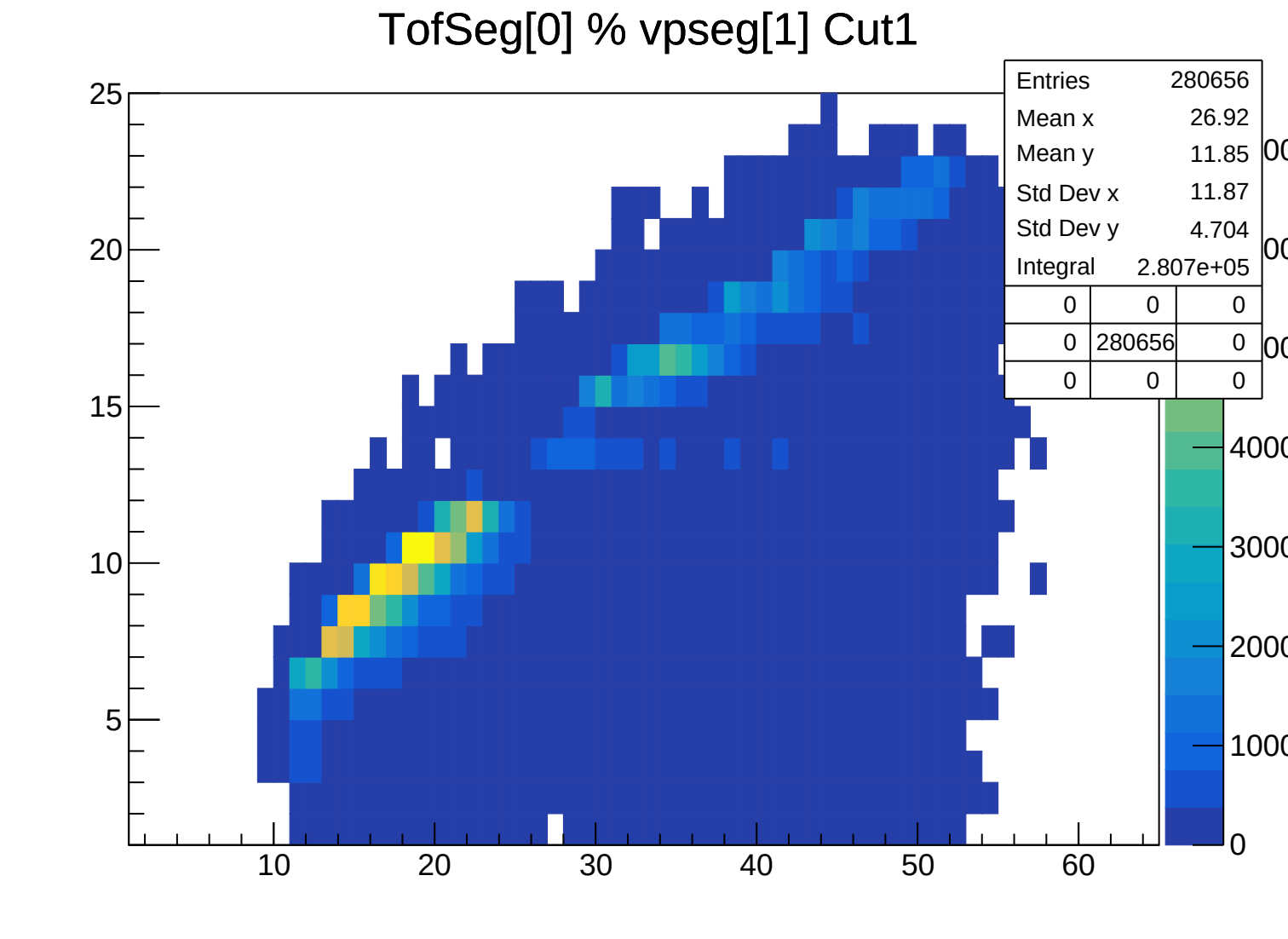

pKurama % m2 Cut1
Entries 280656
Mean x 0.6656
Mean y 0.9234
Std Dev x 0.3135
Std Dev y 0.1787
Integral 2.551e+05
5 6 26
13988 255118 11513
0 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
600
400
200
0

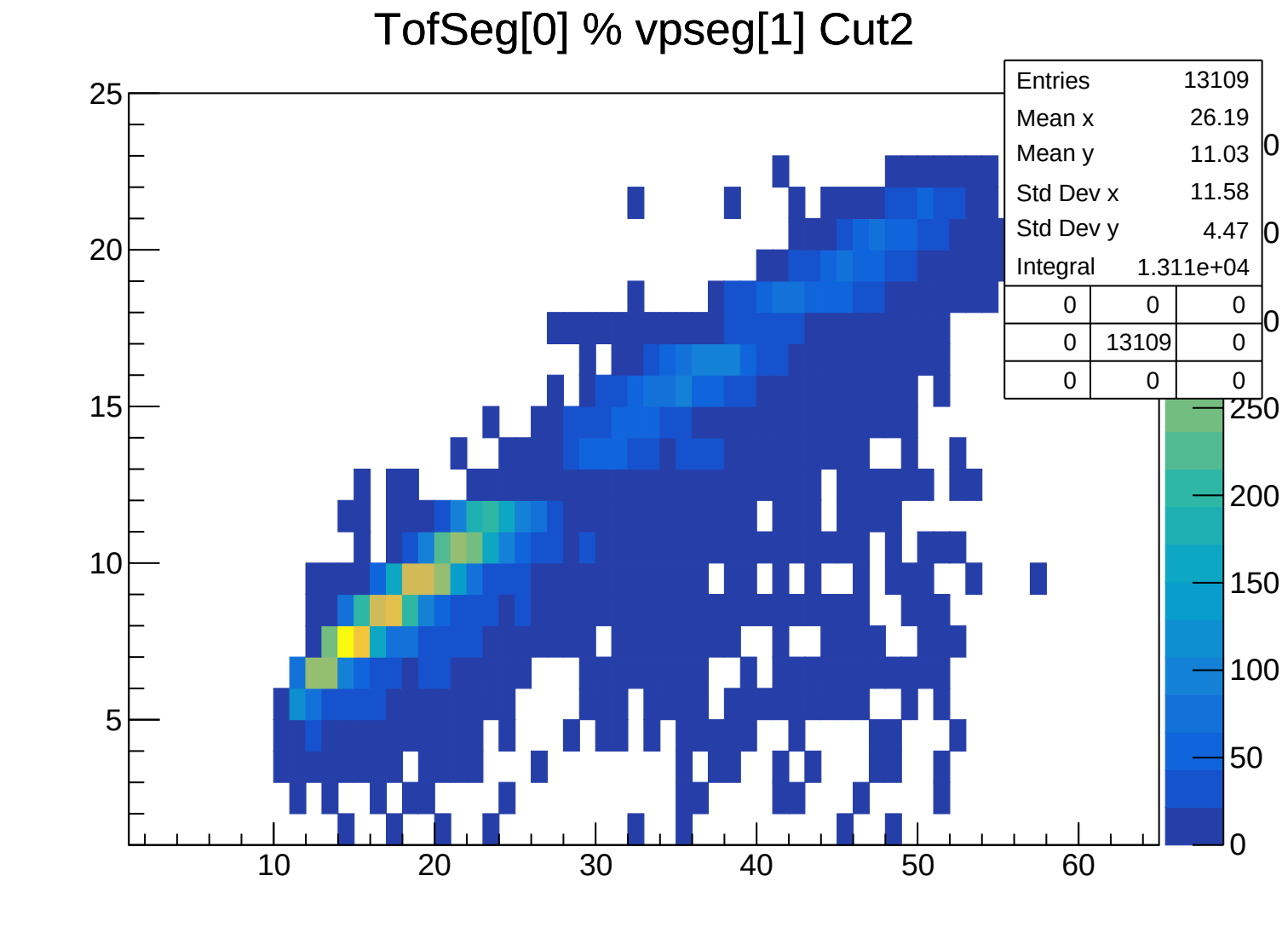

vpy[1] % vpx[1] Cut1
Entries 280656
Mean x −40.95
Mean y −16.21
Std Dev x 124.7
Std Dev y 97.92
Integral 2.807e+05
0 0 0
0 280656 0
0 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
200
150
100
50
0

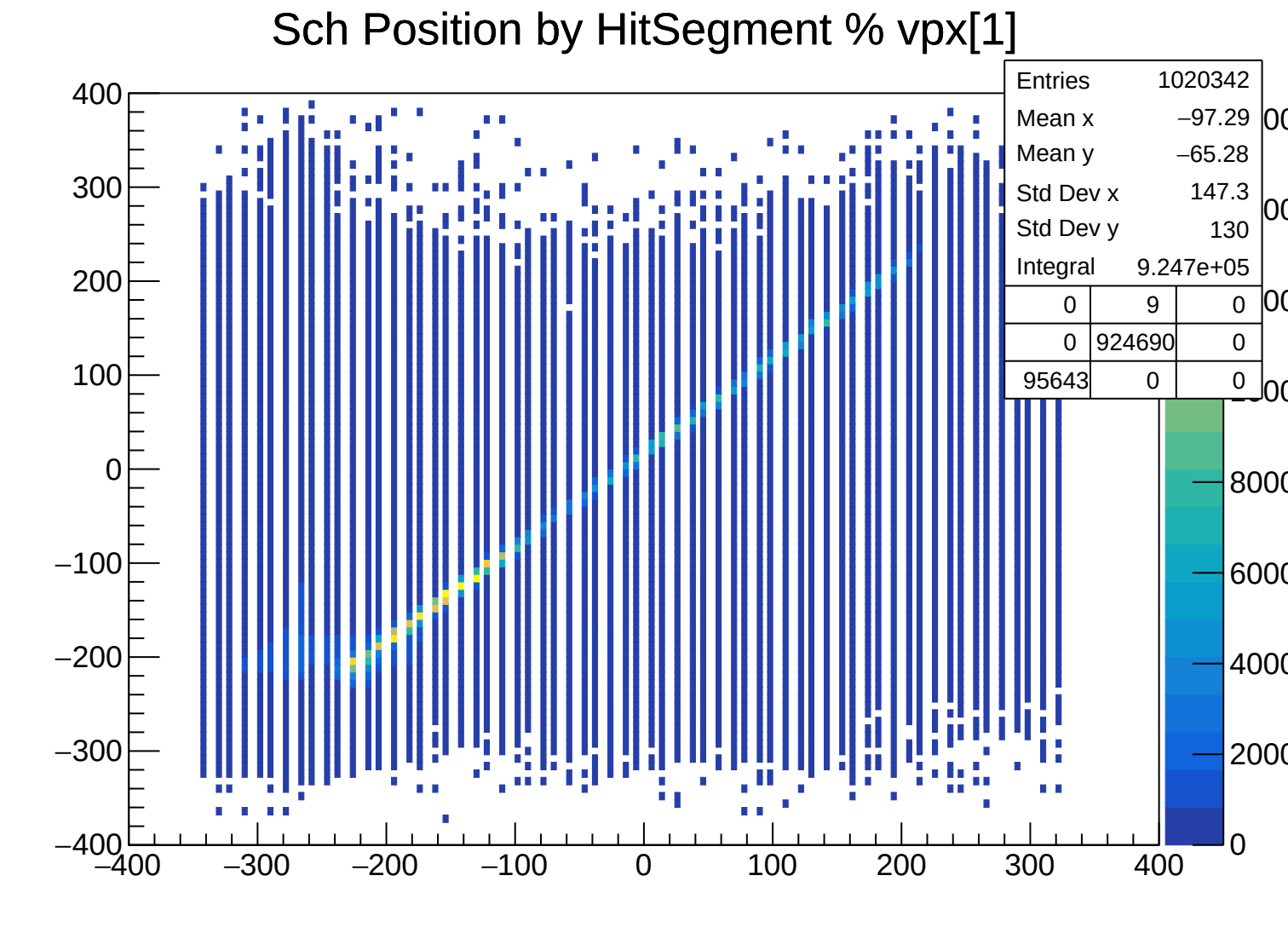

pKurama % m2 Cut2
Entries 13109
Mean x 0.2303
Mean y 0.8152
Std Dev x 0.04478
Std Dev y 0.1647
Integral 1.311e+04
0 1 0
0 13108 0
0 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
200
150
100
50
0

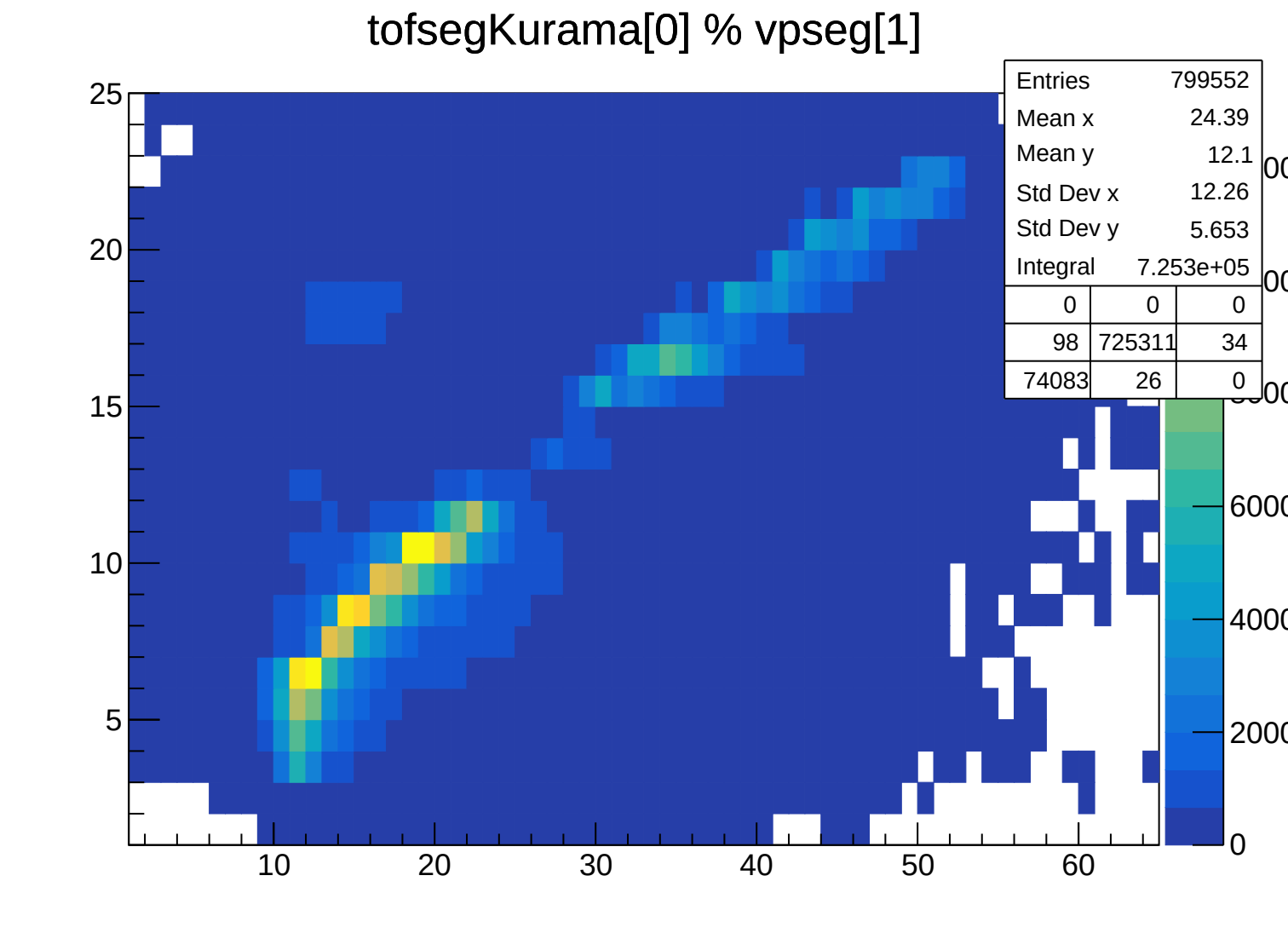

vpy[1] % vpx[1] Cut2
Entries 13109
Mean x −48.35
Mean y −13.03
Std Dev x 121.6
Std Dev y 95.53
Integral 1.311e+04
0 0 0
0 13109 0
0 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
15
10
5
0

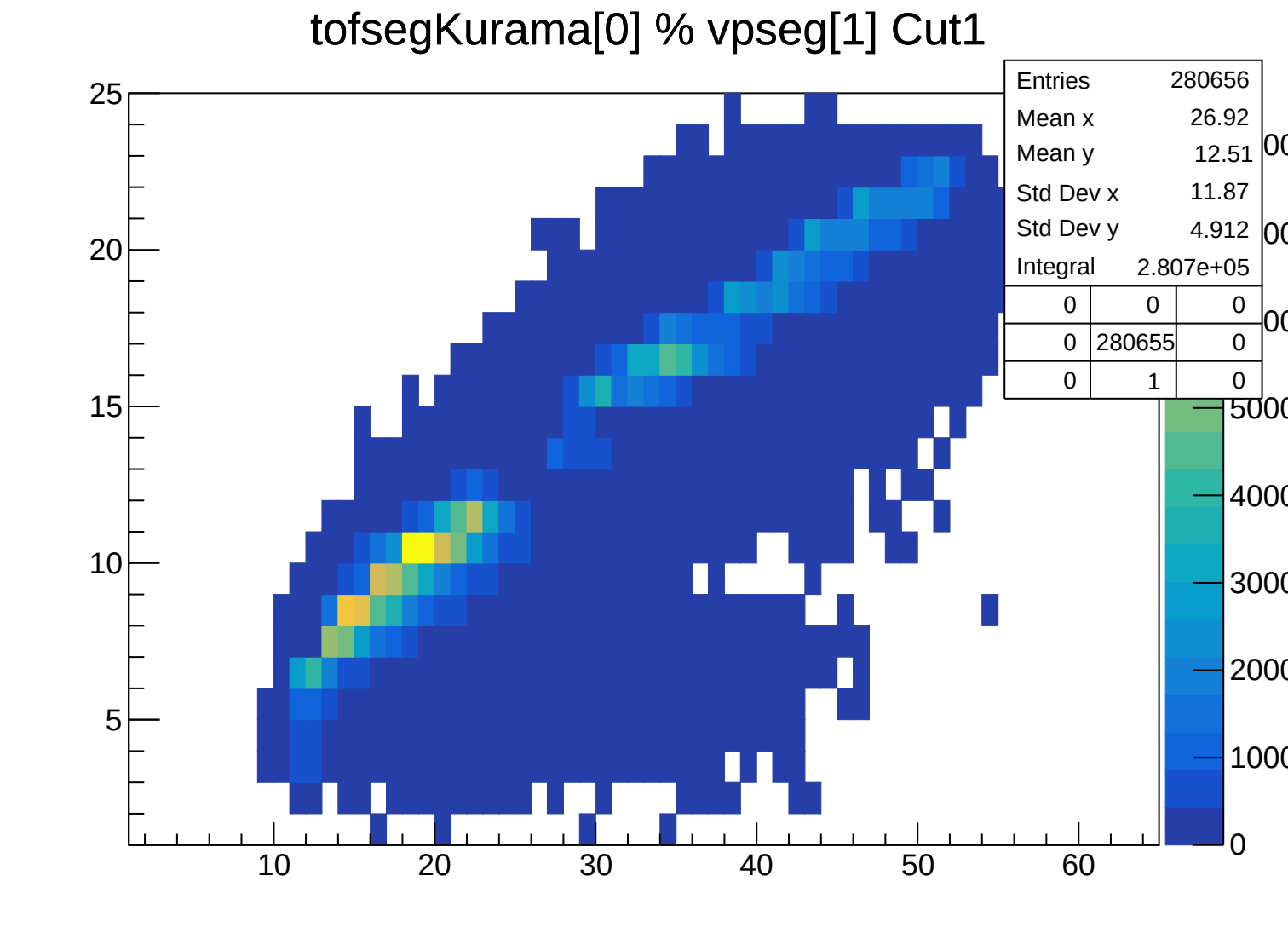

TofSeg[0] % vpseg[1]
Entries 799552
Mean x 24.39
Mean y 10.51
Std Dev x 12.26
Std Dev y 4.889
Integral 7.253e+05
0 0 0
109 725337 34
74072 0 0
25
20
15
10
5
10
20
30
40
50
60
6000
4000
2000
0

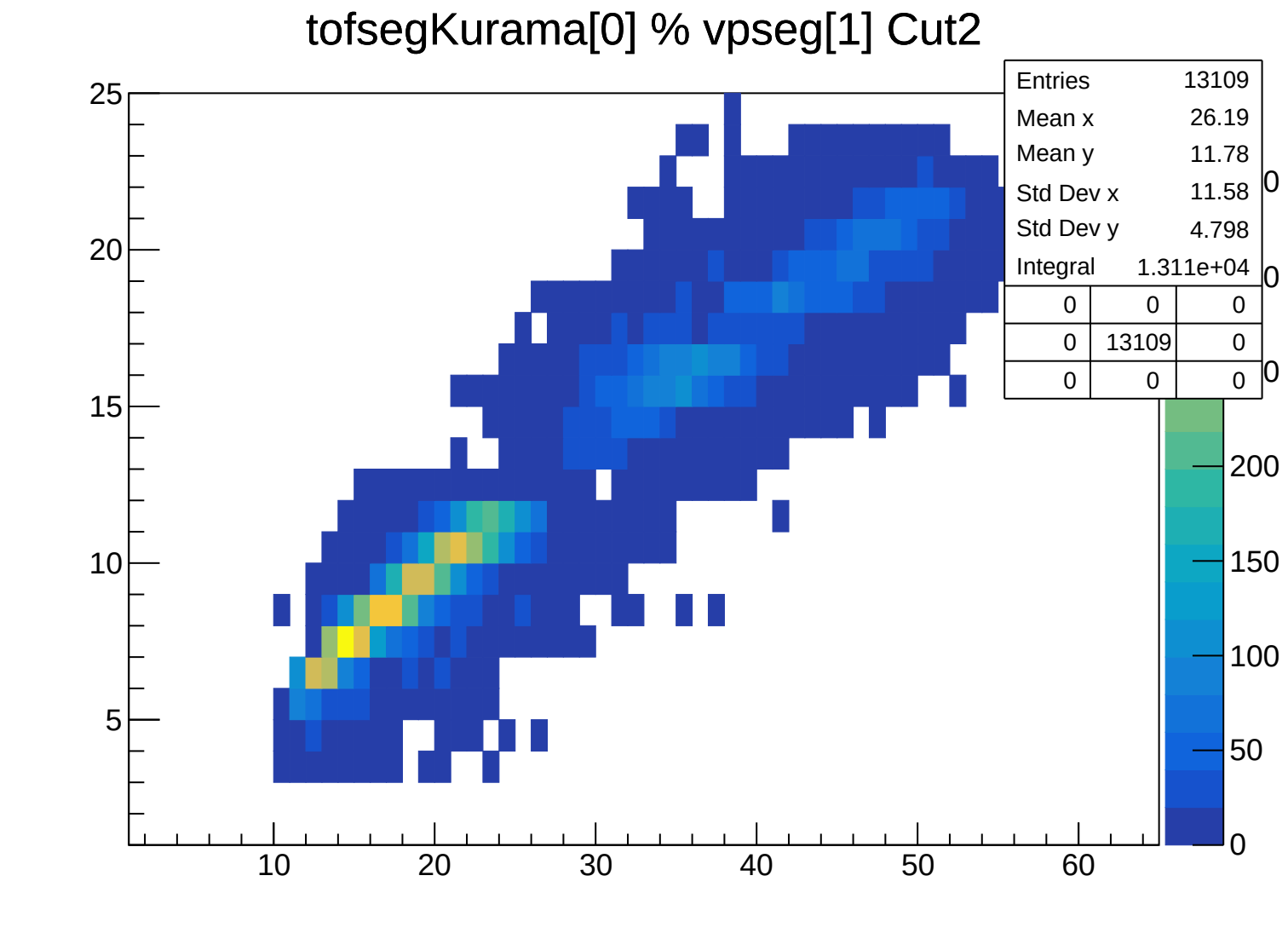

TofSeg[0] % vpseg[1] Cut1
Entries 280656
Mean x 26.92
Mean y 11.85
Std Dev x 11.87
Std Dev y 4.704
Integral 2.807e+05
0 0 0
0 280656 0
0 0 0
25
20
15
10
5
10
20
30
40
50
60
4000
3000
2000
1000
0

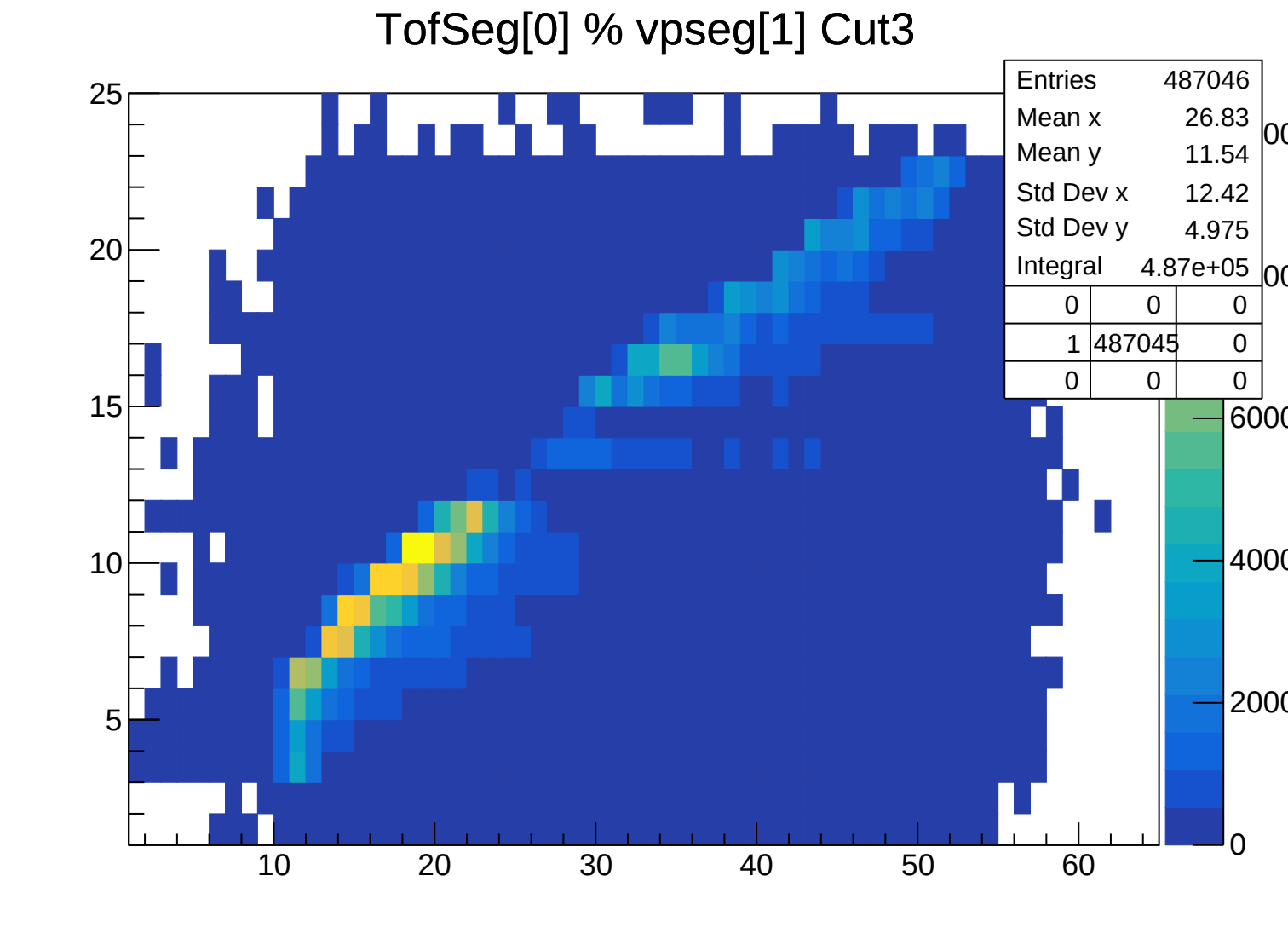

TofSeg[0] % vpseg[1] Cut2
Entries 13109
Mean x 26.19
Mean y 11.03
Std Dev x 11.58
Std Dev y 4.47
Integral 1.311e+04
0 0 0
0 13109 0
0 0 0
25
20
15
10
5
10
20
30
40
50
60
250
200
150
100
50
0

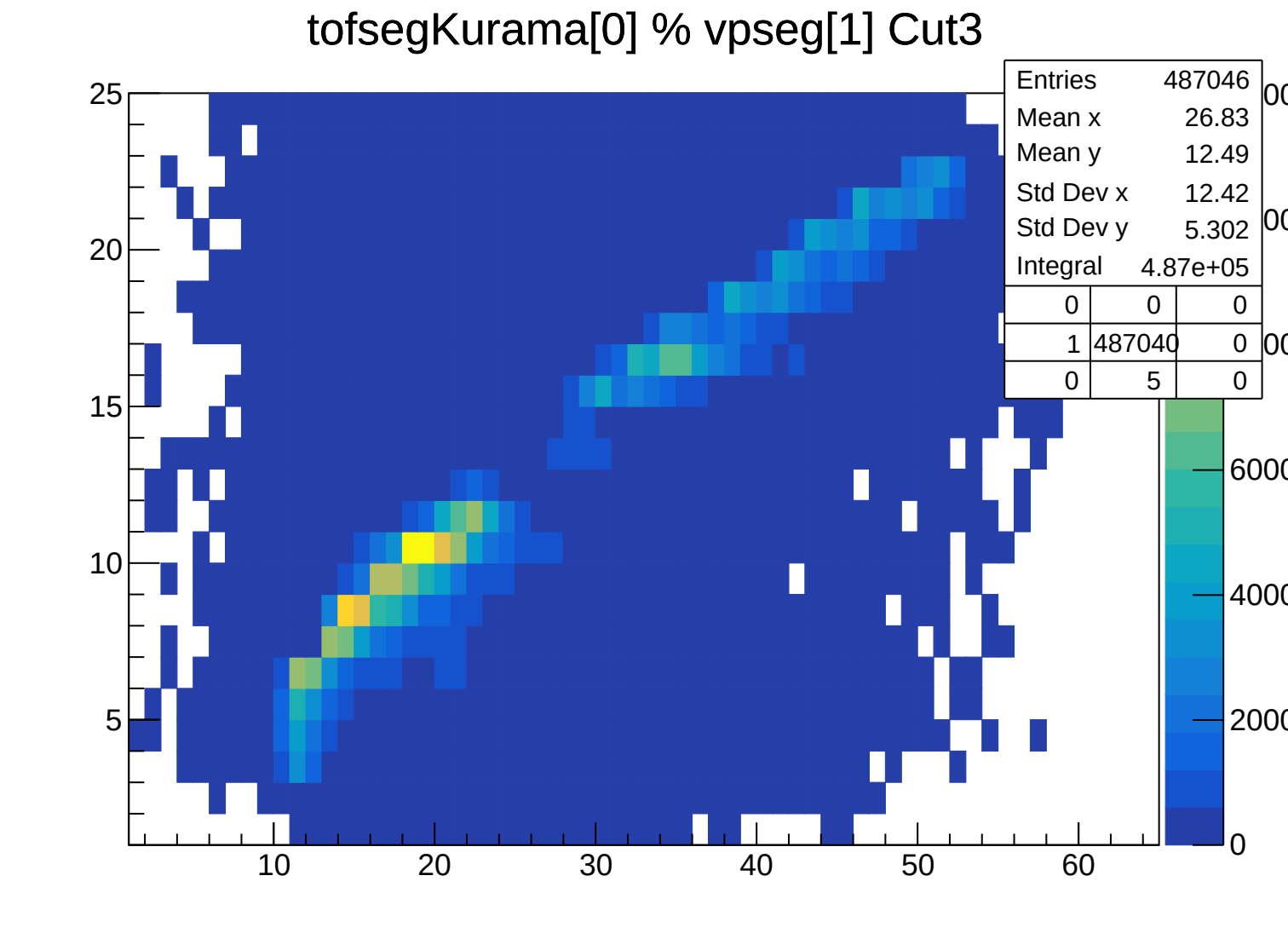

Sch Position by HitSegment % vpx[1]
Entries 1020342
Mean x −97.29
Mean y −65.28
Std Dev x 147.3
Std Dev y 130
Integral 9.247e+05
0 9 0
0 924690 0
95643 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
8000
6000
4000
2000
0

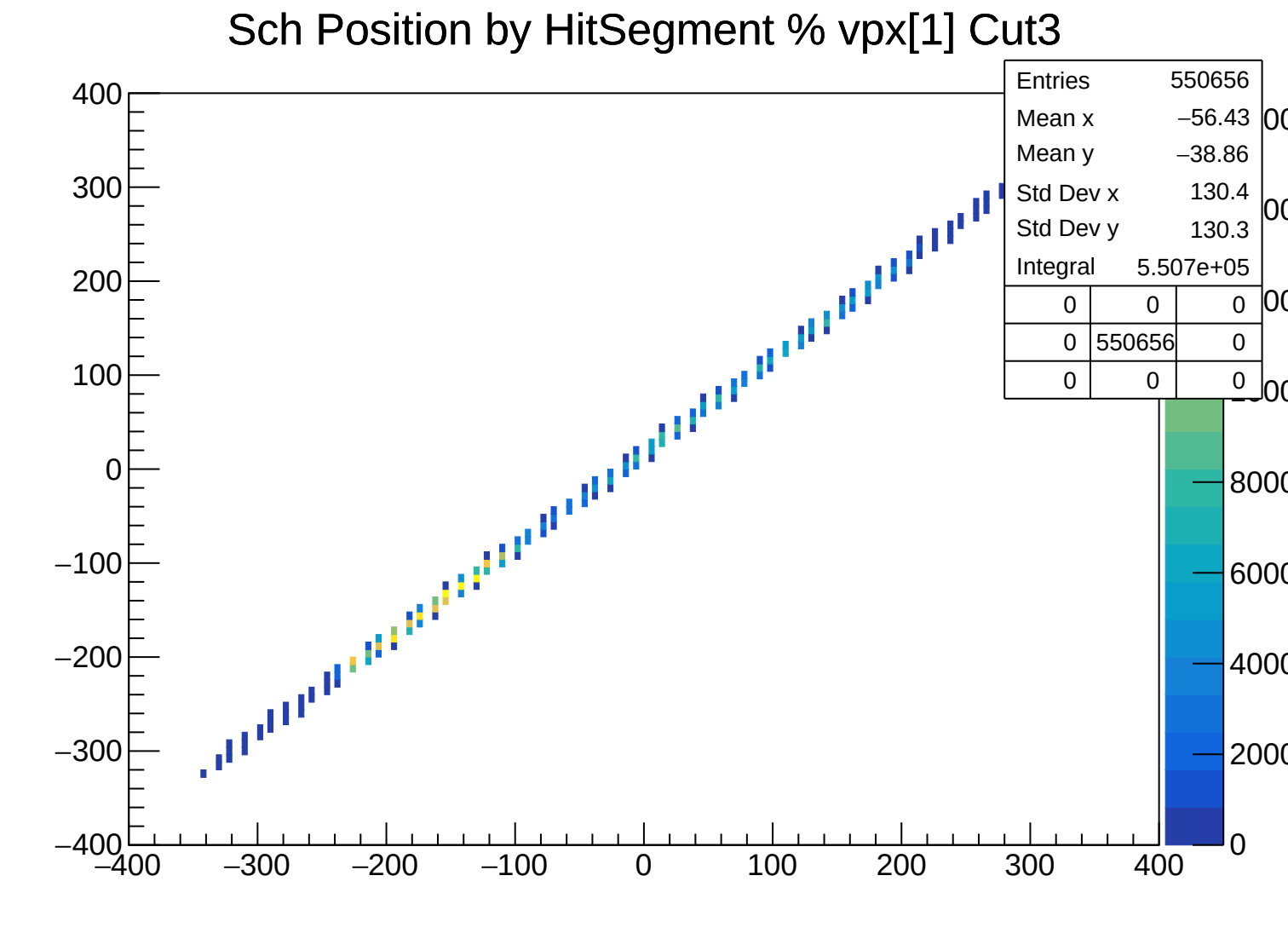

tofsegKurama[0] % vpseg[1]
Entries 799552
Mean x 24.39
Mean y 12.1
Std Dev x 12.26
Std Dev y 5.653
Integral 7.253e+05
0 0 0
98 725311 34
74083 26 0
25
20
15
10
5
10
20
30
40
50
60
6000
4000
2000
0


tofsegKurama[0] % vpseg[1] Cut1
Entries 280656
Mean x 26.92
Mean y 12.51
Std Dev x 11.87
Std Dev y 4.912
Integral 2.807e+05
0 0 0
0 280655 0
0 1 0
25
20
15
10
5
10
20
30
40
50
60
5000
4000
3000
2000
1000
0


tofsegKurama[0] % vpseg[1] Cut2
Entries 13109
Mean x 26.19
Mean y 11.78
Std Dev x 11.58
Std Dev y 4.798
Integral 1.311e+04
0 0 0
0 13109 0
0 0 0
25
20
15
10
5
10
20
30
40
50
60
200
150
100
50
0


TofSeg[0] % vpseg[1] Cut3
Entries 487046
Mean x 26.83
Mean y 11.54
Std Dev x 12.42
Std Dev y 4.975
Integral 4.87e+05
0 0 0
1 487045 0
0 0 0
25
20
15
10
5
10
20
30
40
50
60
6000
4000
2000
0


tofsegKurama[0] % vpseg[1] Cut3
Entries 487046
Mean x 26.83
Mean y 12.49
Std Dev x 12.42
Std Dev y 5.302
Integral 4.87e+05
0 0 0
1 487040 0
0 5 0
25
20
15
10
5
10
20
30
40
50
60
6000
4000
2000
0


Sch Position by HitSegment % vpx[1] Cut3
Entries 550656
Mean x −56.43
Mean y −38.86
Std Dev x 130.4
Std Dev y 130.3
Integral 5.507e+05
0 0 0
0 550656 0
0 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
8000
6000
4000
2000
0