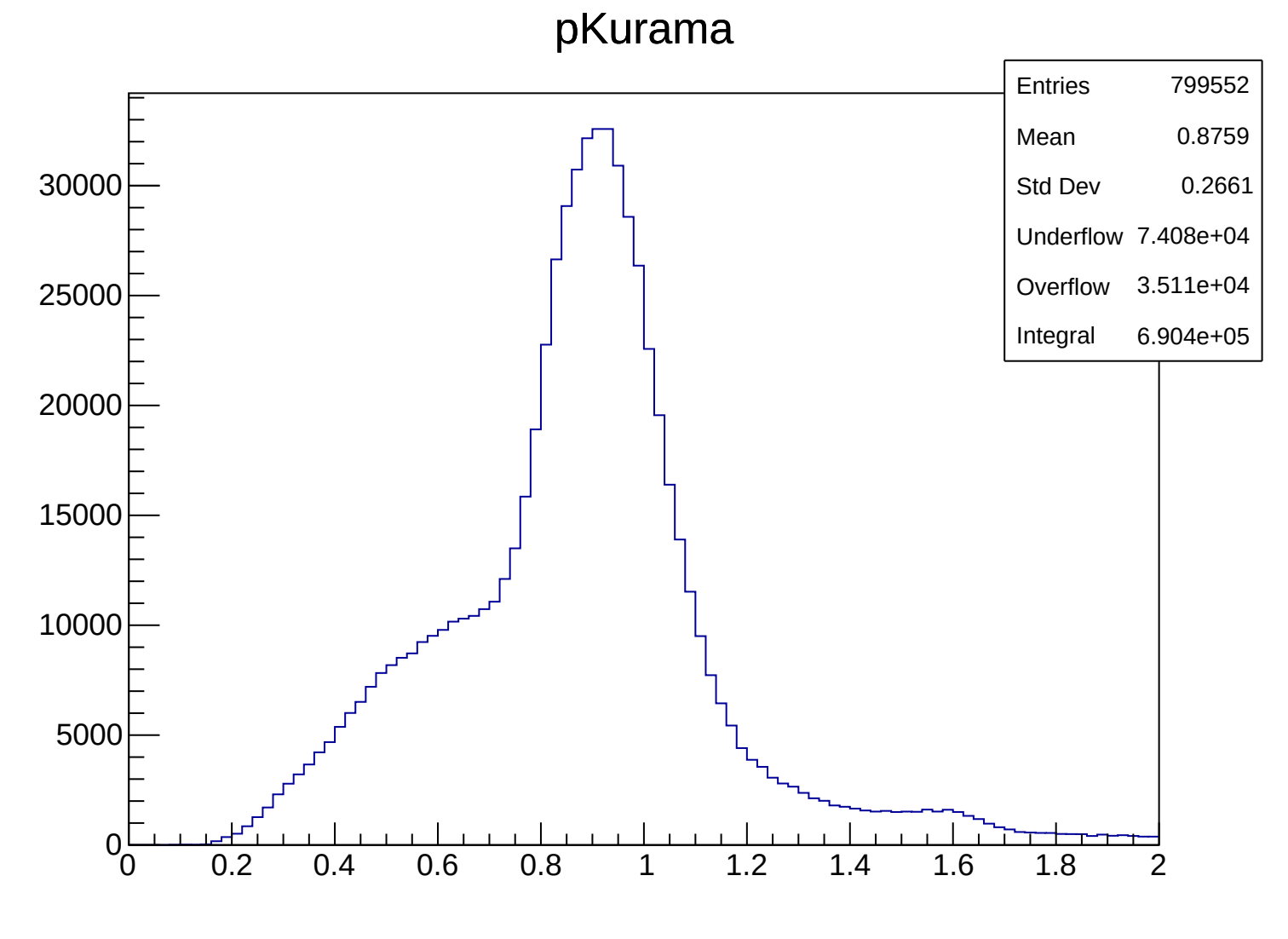
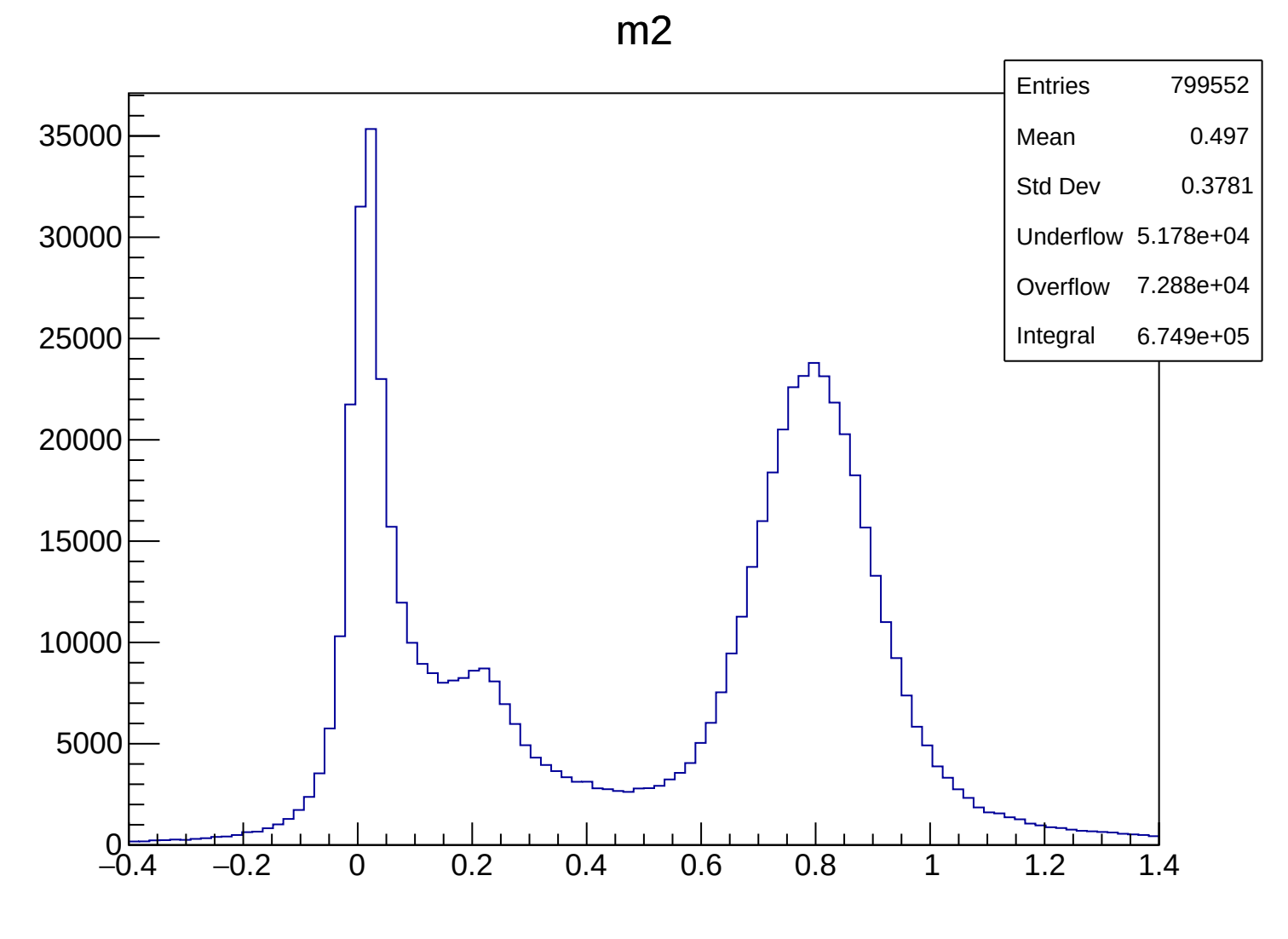
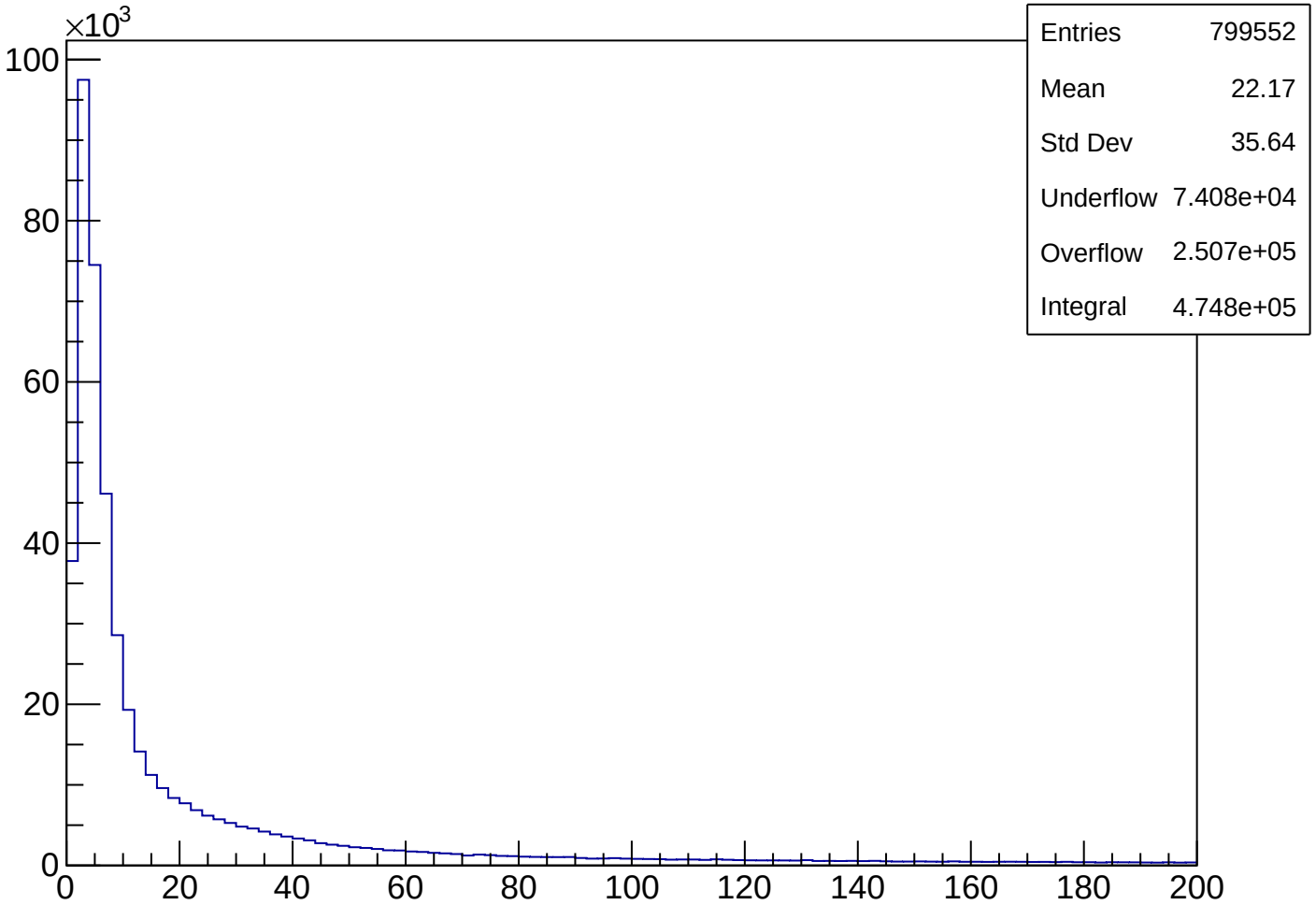
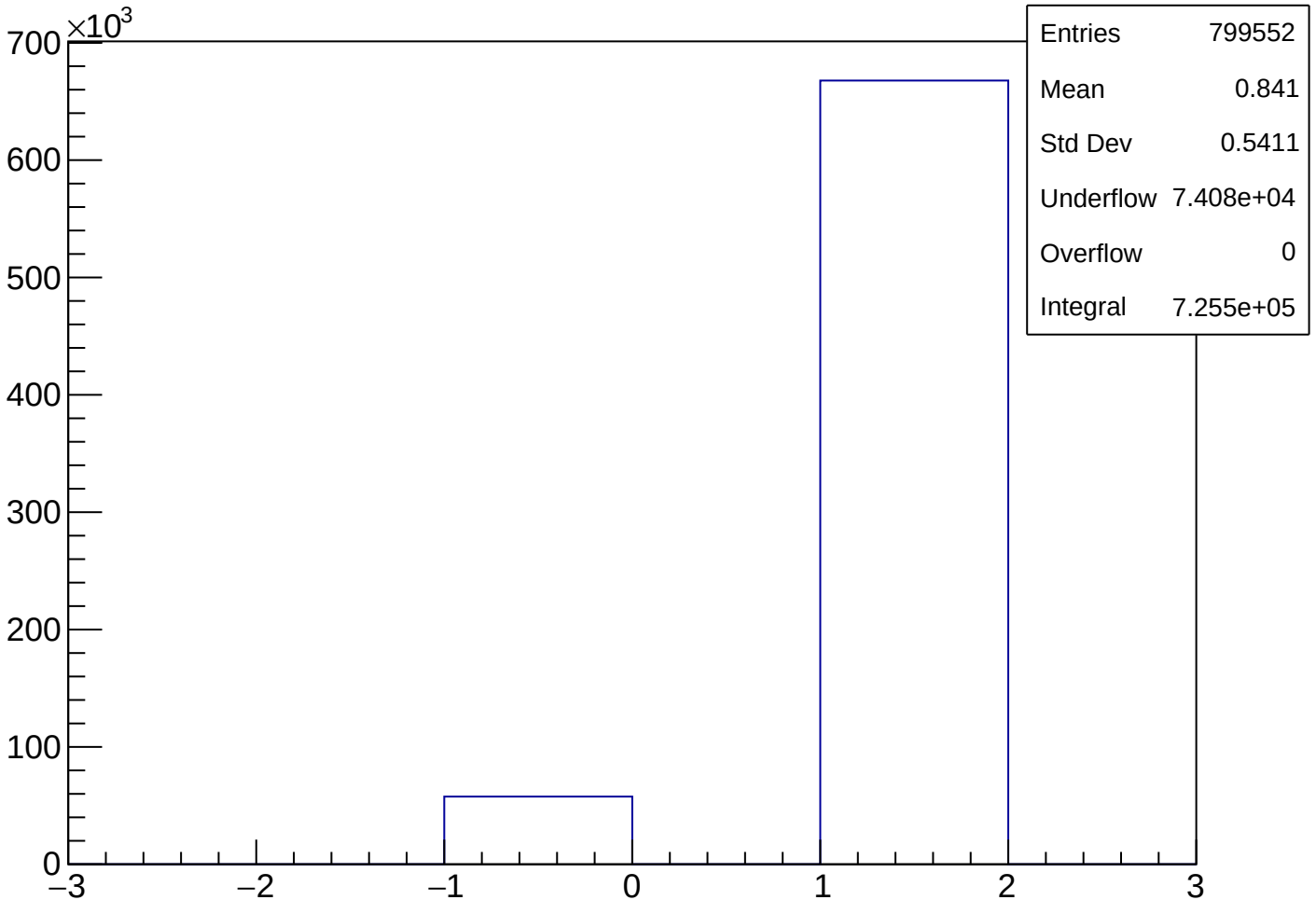
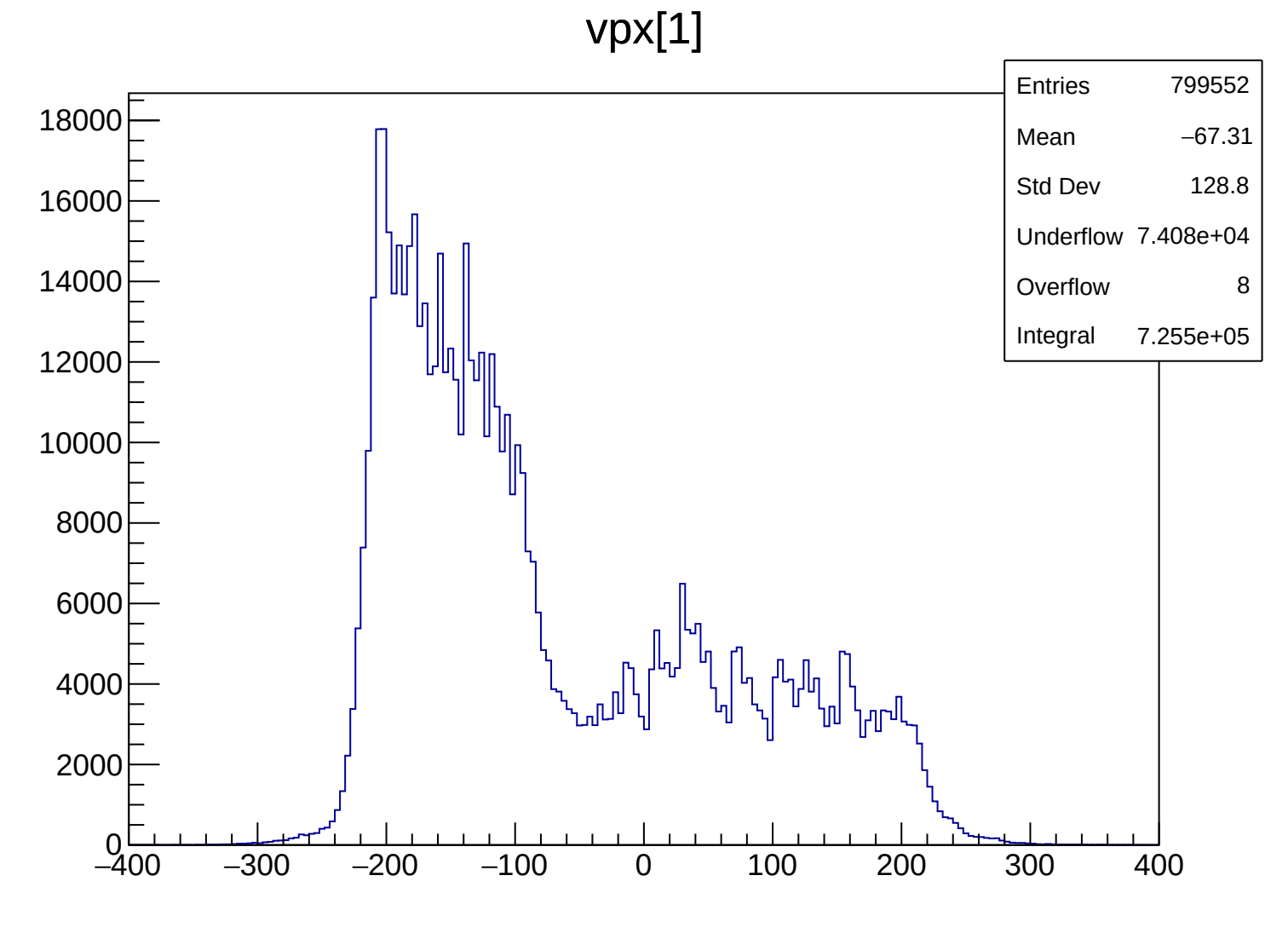
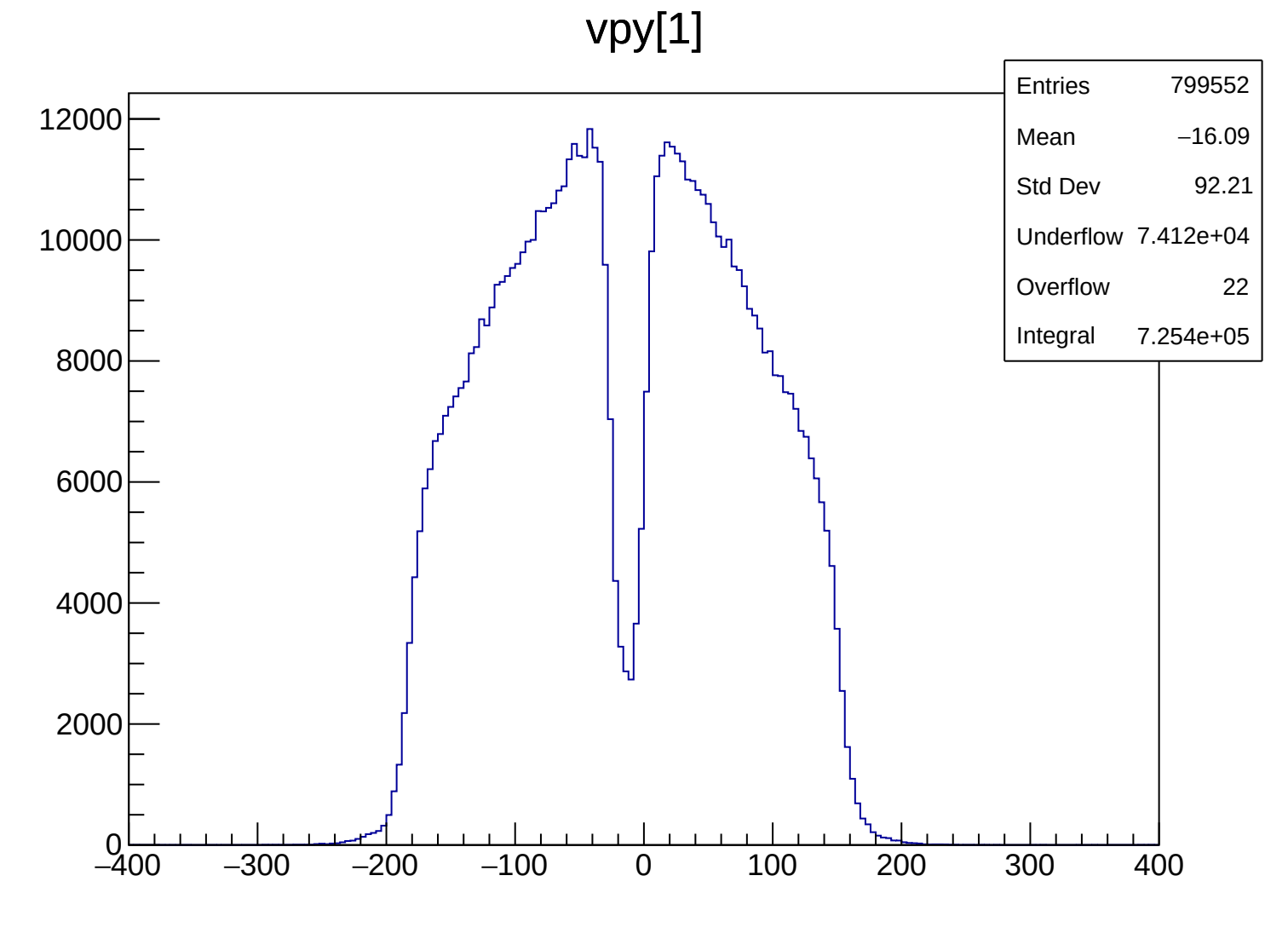

pKurama
Entries 799552
Mean 0.8759
Std Dev 0.2661
Underflow 7.408e+04
Overflow 3.511e+04
Integral 6.904e+05
30000
25000
20000
15000
10000
5000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

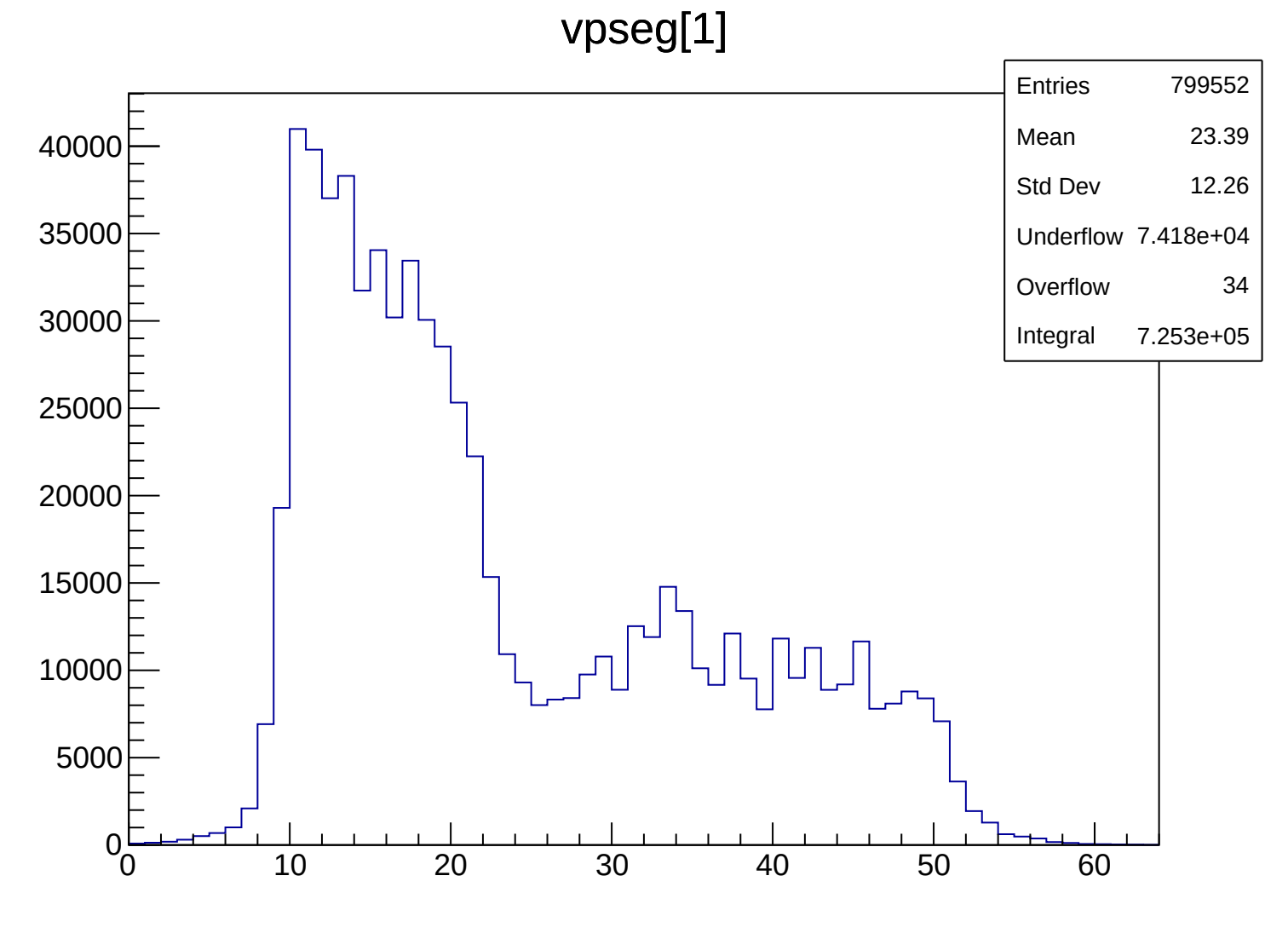

m2
Entries 799552
Mean 0.497
Std Dev 0.3781
Underflow 5.178e+04
Overflow 7.288e+04
Integral 6.749e+05
35000
30000
25000
20000
15000
10000
5000
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

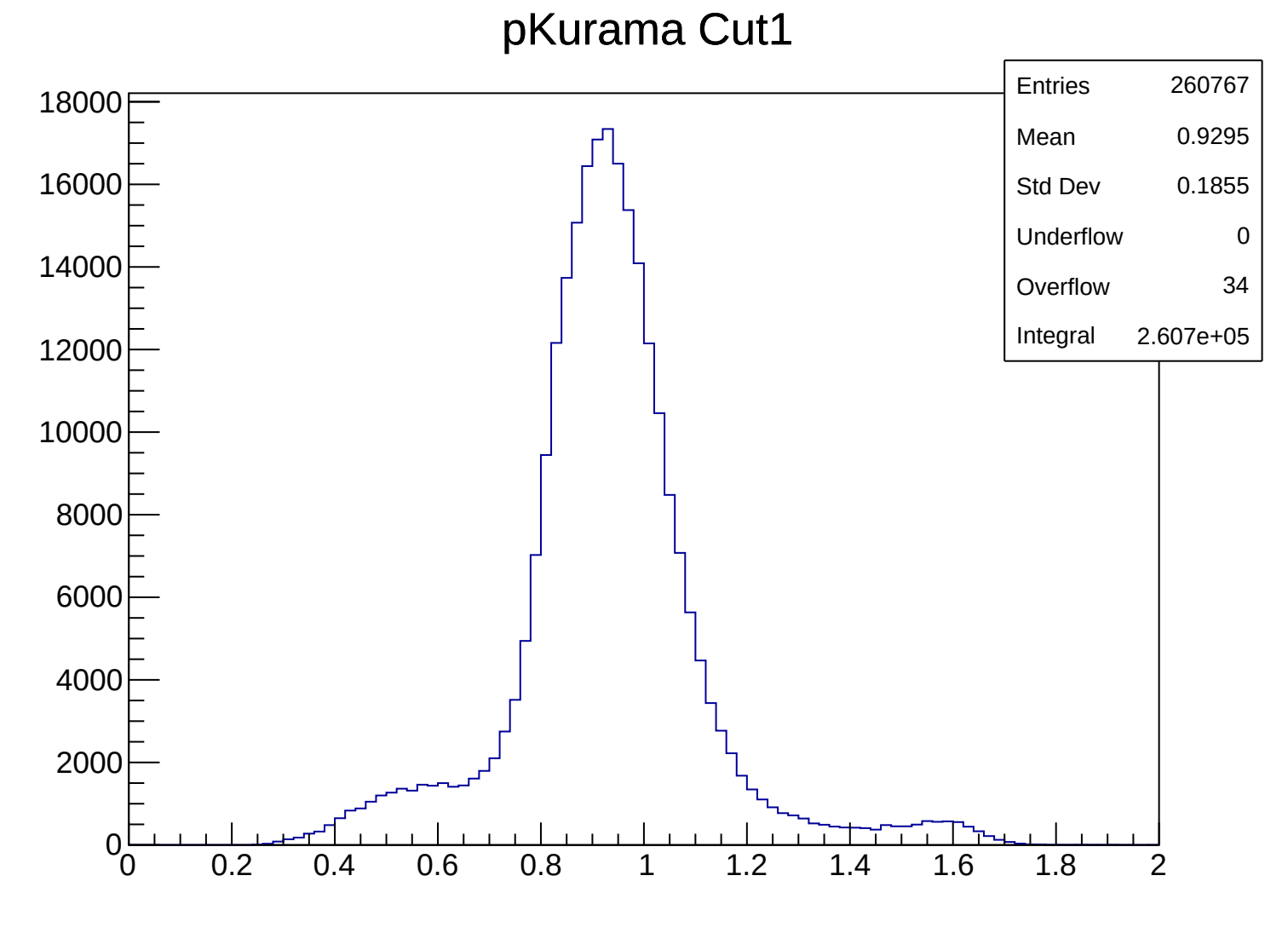

chisqrKurama
×10^3
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
200
Entries 799552
Mean 22.17
Std Dev 35.64
Underflow 7.408e+04
Overflow 2.507e+05
Integral 4.748e+05

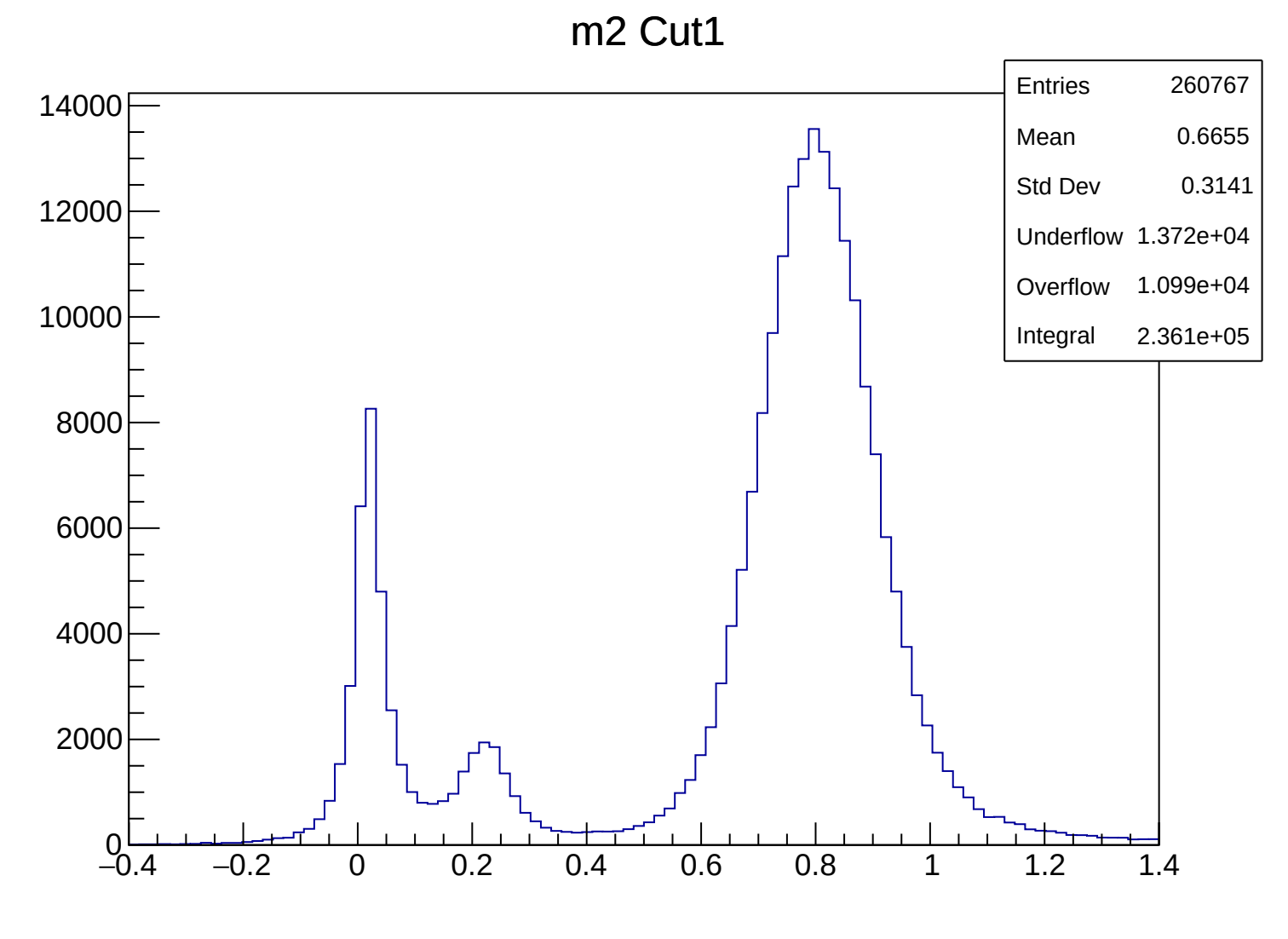

qKurama
×10^3
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
Entries 799552
Mean 0.841
Std Dev 0.5411
Underflow 7.408e+04
Overflow 0
Integral 7.255e+05

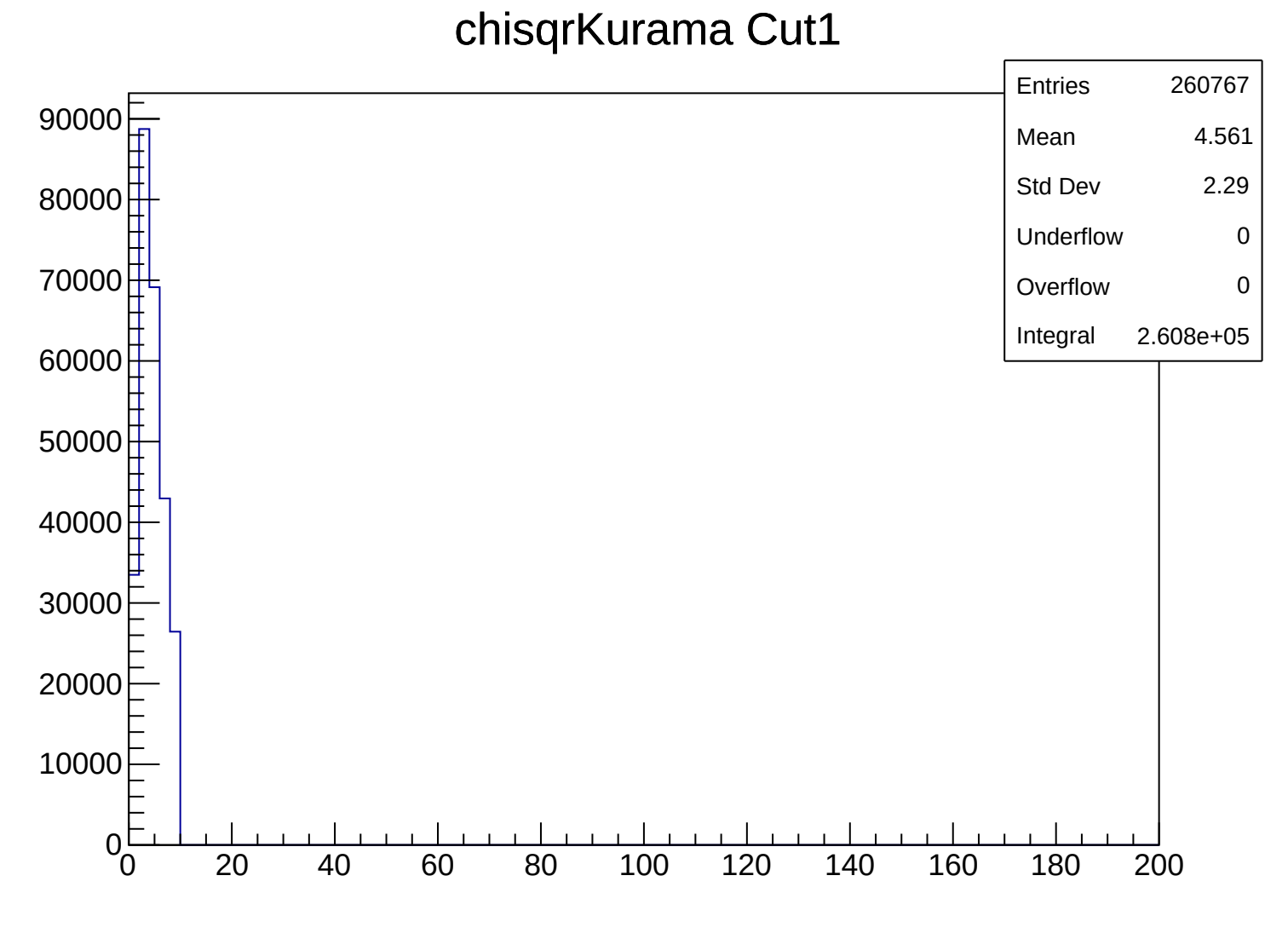

vpx[1]
Entries 799552
Mean –67.31
Std Dev 128.8
Underflow 7.408e+04
Overflow 8
Integral 7.255e+05
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
–400
–300
–200
–100
0
100
200
300
400

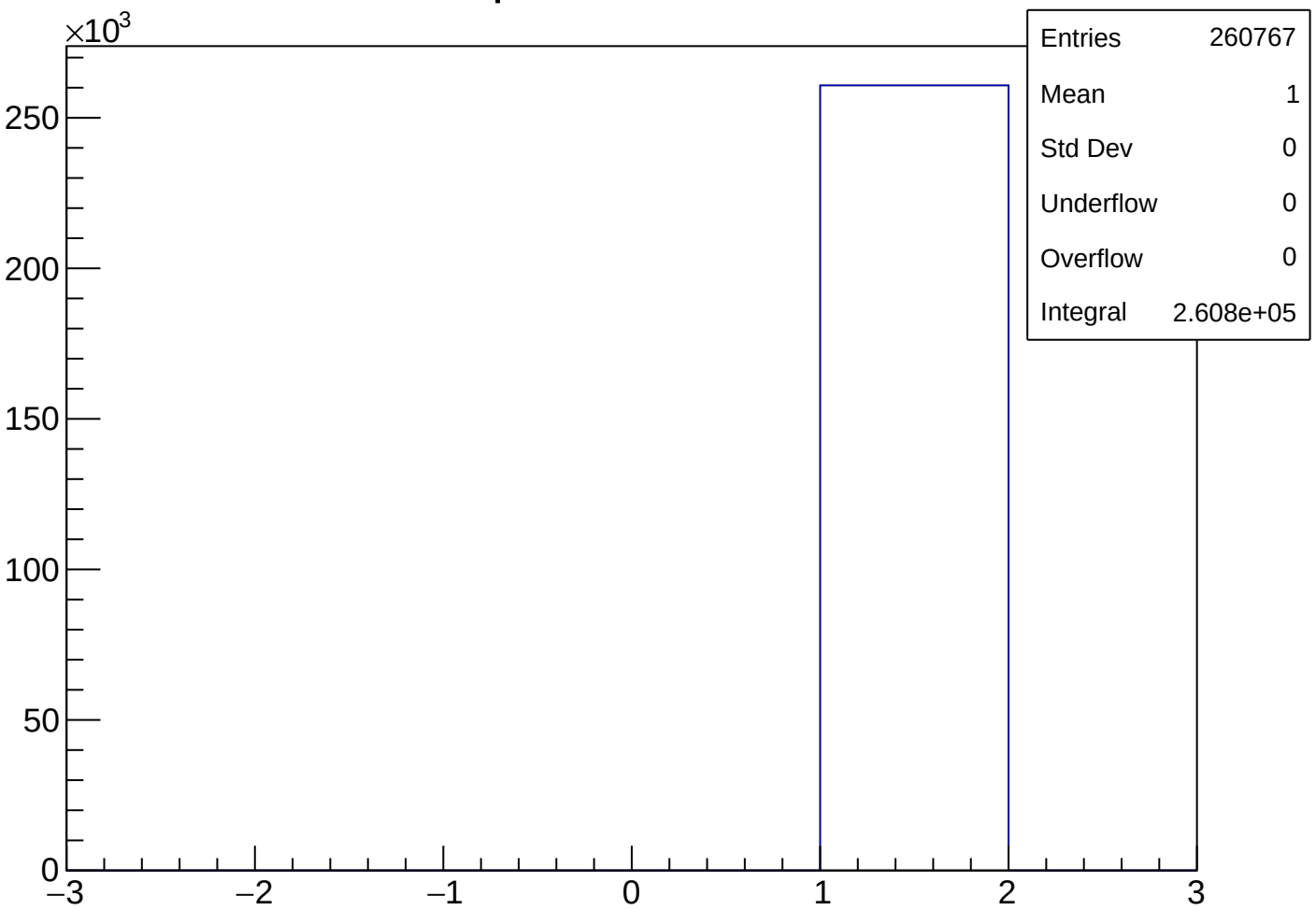

vpy[1]
Entries 799552
Mean −16.09
Std Dev 92.21
Underflow 7.412e+04
Overflow 22
Integral 7.254e+05
12000
10000
8000
6000
4000
2000
0
−400
−300
−200
−100
0
100
200
300
400

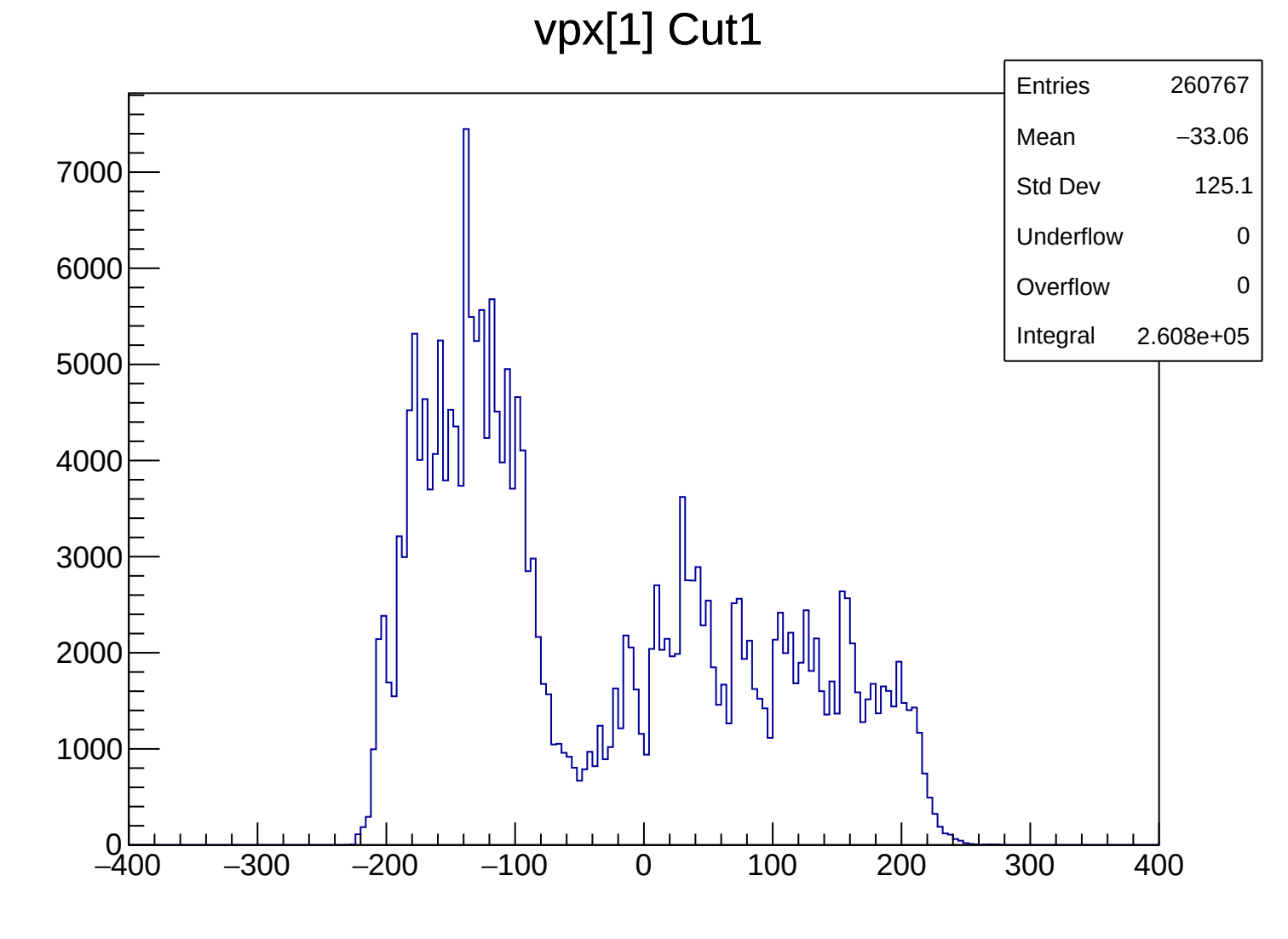

vpseg[1]
Entries 799552
Mean 23.39
Std Dev 12.26
Underflow 7.418e+04
Overflow 34
Integral 7.253e+05
40000
35000
30000
25000
20000
15000
10000
5000
0
0
10
20
30
40
50
60

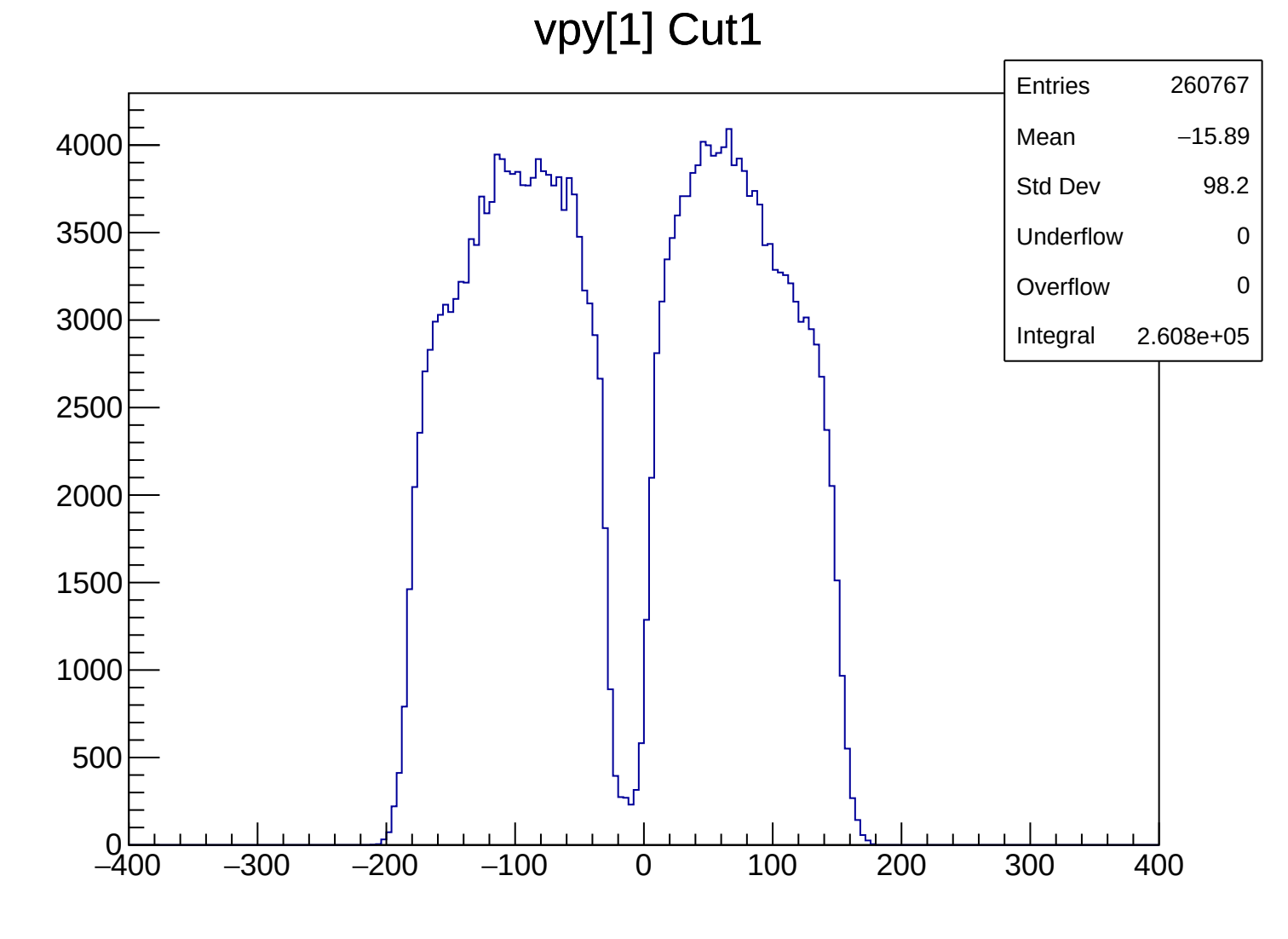

pKurama Cut1
Entries 260767
Mean 0.9295
Std Dev 0.1855
Underflow 0
Overflow 34
Integral 2.607e+05
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

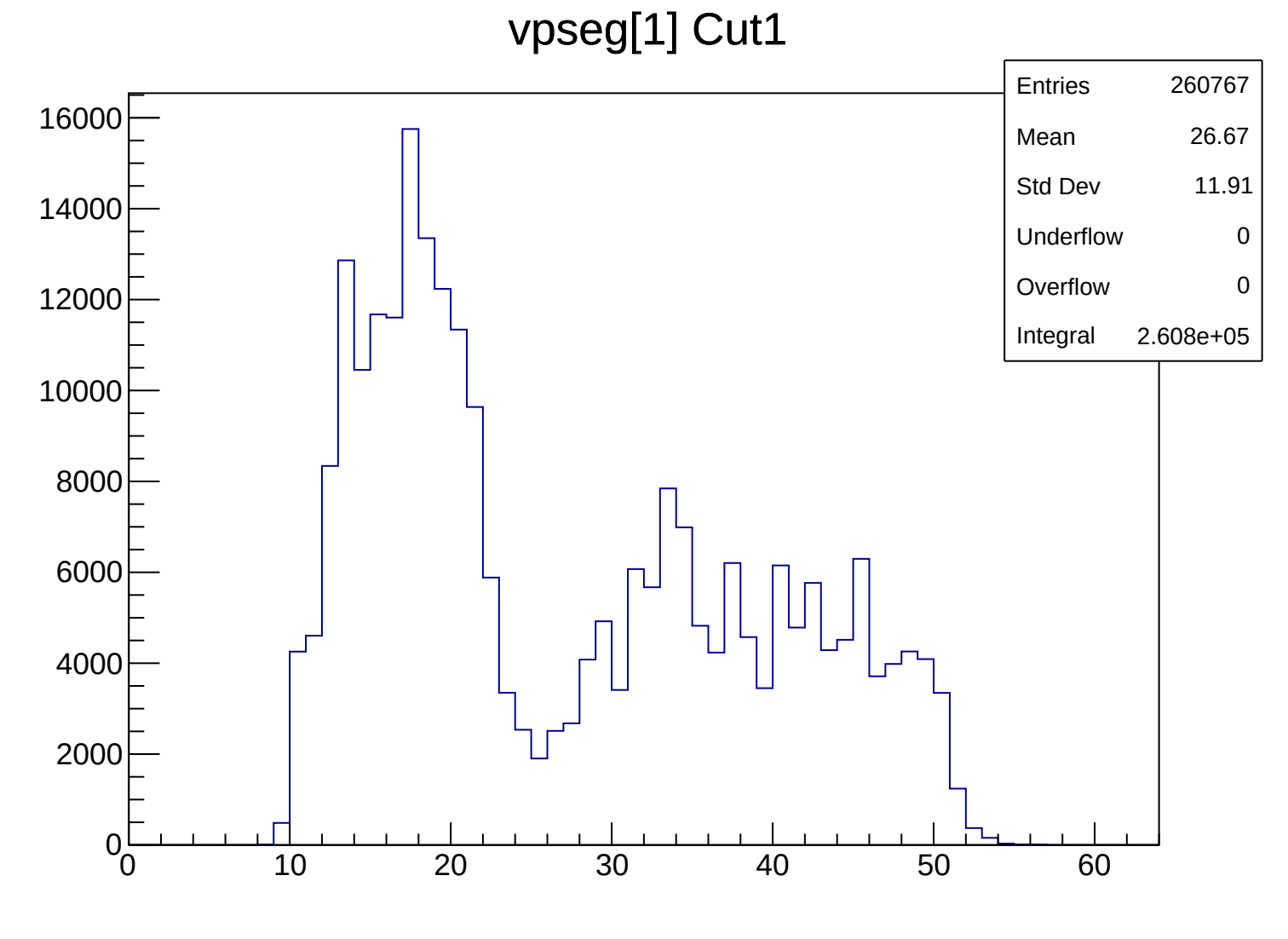

m2 Cut1
Entries 260767
Mean 0.6655
Std Dev 0.3141
Underflow 1.372e+04
Overflow 1.099e+04
Integral 2.361e+05
14000
12000
10000
8000
6000
4000
2000
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

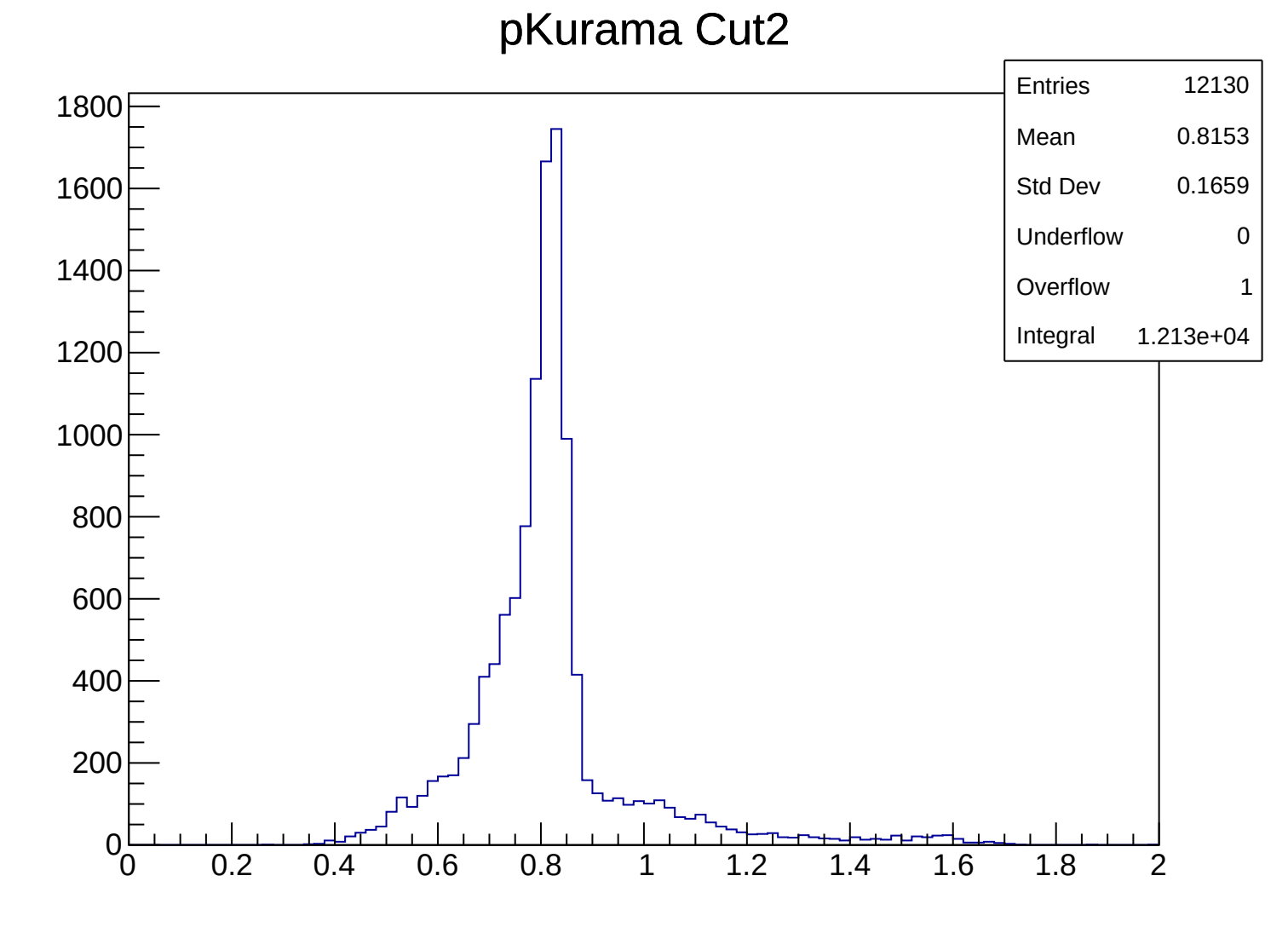

chisqrKurama Cut1
Entries 260767
Mean 4.561
Std Dev 2.29
Underflow 0
Overflow 0
Integral 2.608e+05
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
20
40
60
80
100
120
140
160
180
200

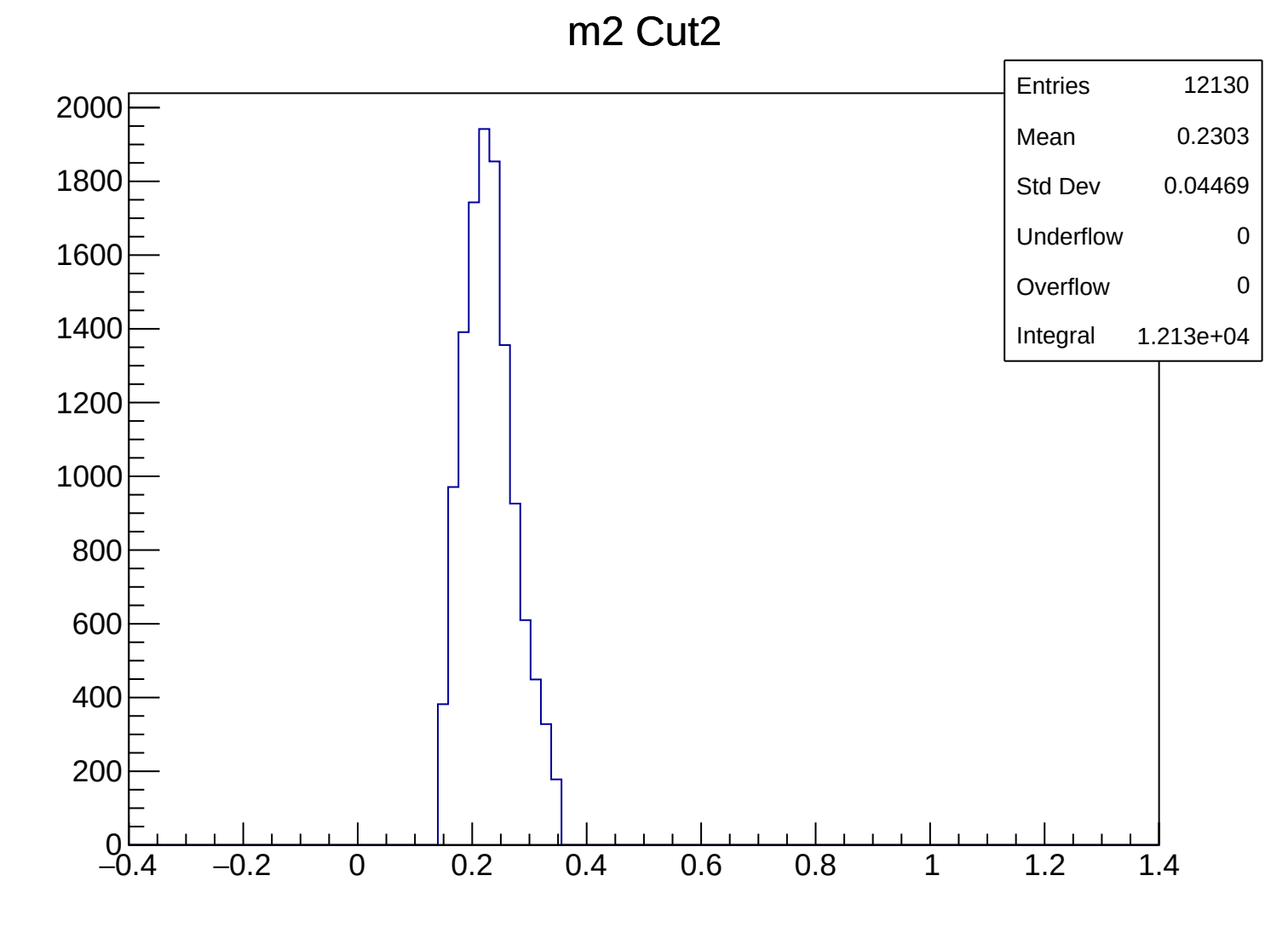

qKurama Cut1
×10^3
250
200
150
100
50
0
−3
−2
−1
0
1
2
3
Entries 260767
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 2.608e+05

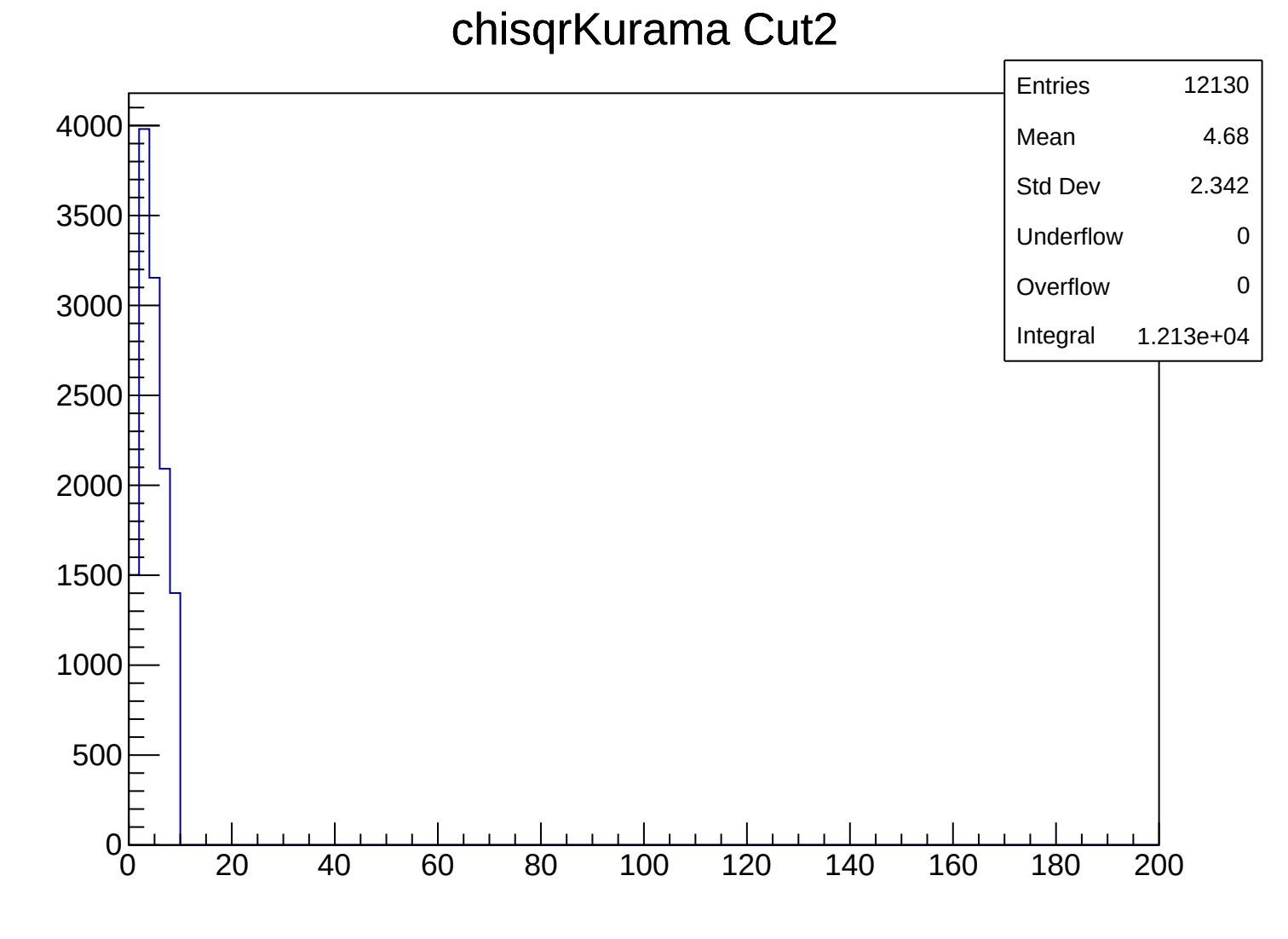

vpx[1] Cut1
Entries 260767
Mean −33.06
Std Dev 125.1
Underflow 0
Overflow 0
Integral 2.608e+05
7000
6000
5000
4000
3000
2000
1000
0
−400
−300
−200
−100
0
100
200
300
400

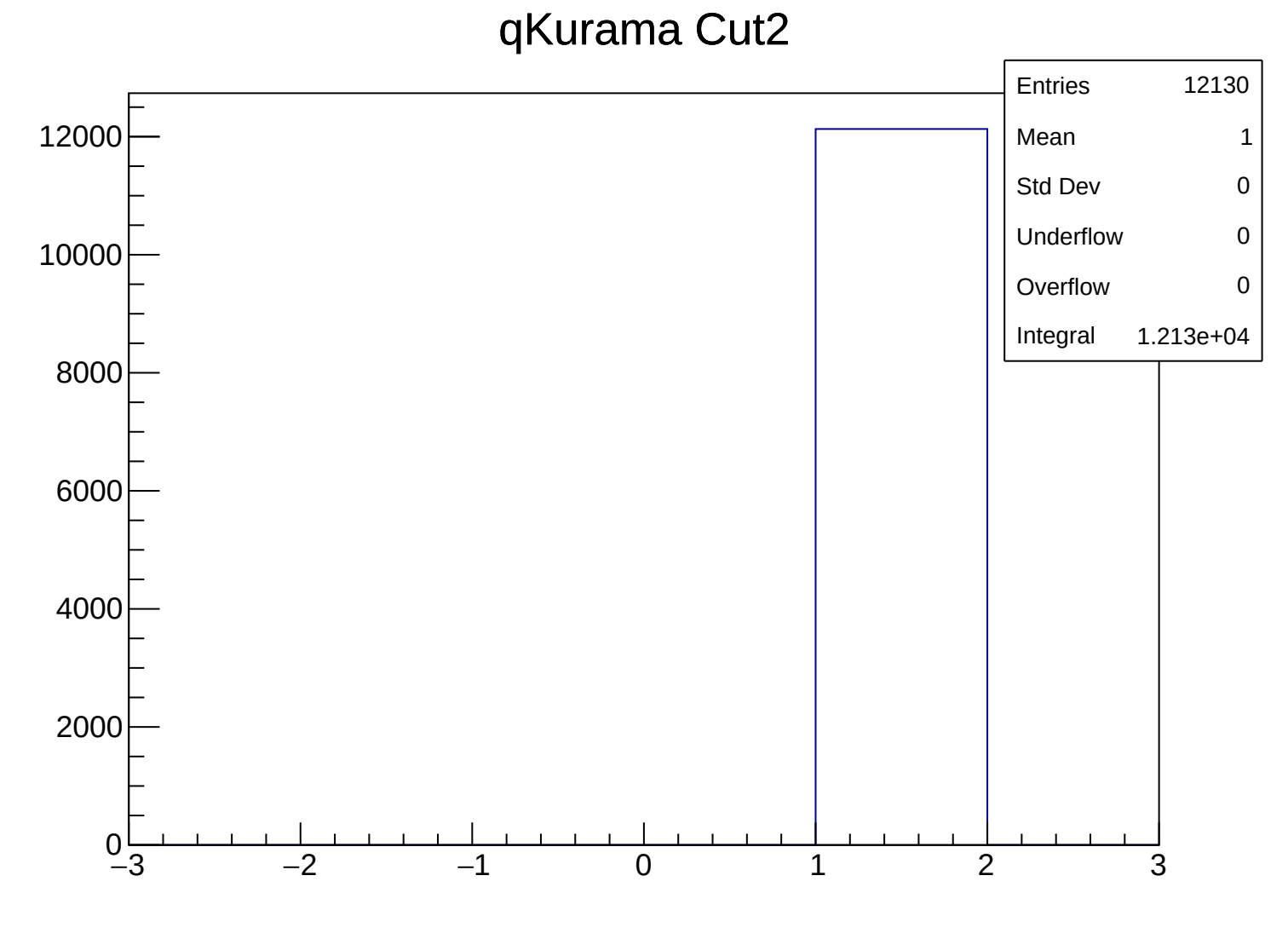

vpy[1] Cut1
Entries 260767
Mean −15.89
Std Dev 98.2
Underflow 0
Overflow 0
Integral 2.608e+05
4000
3500
3000
2500
2000
1500
1000
500
0
−400
−300
−200
−100
0
100
200
300
400

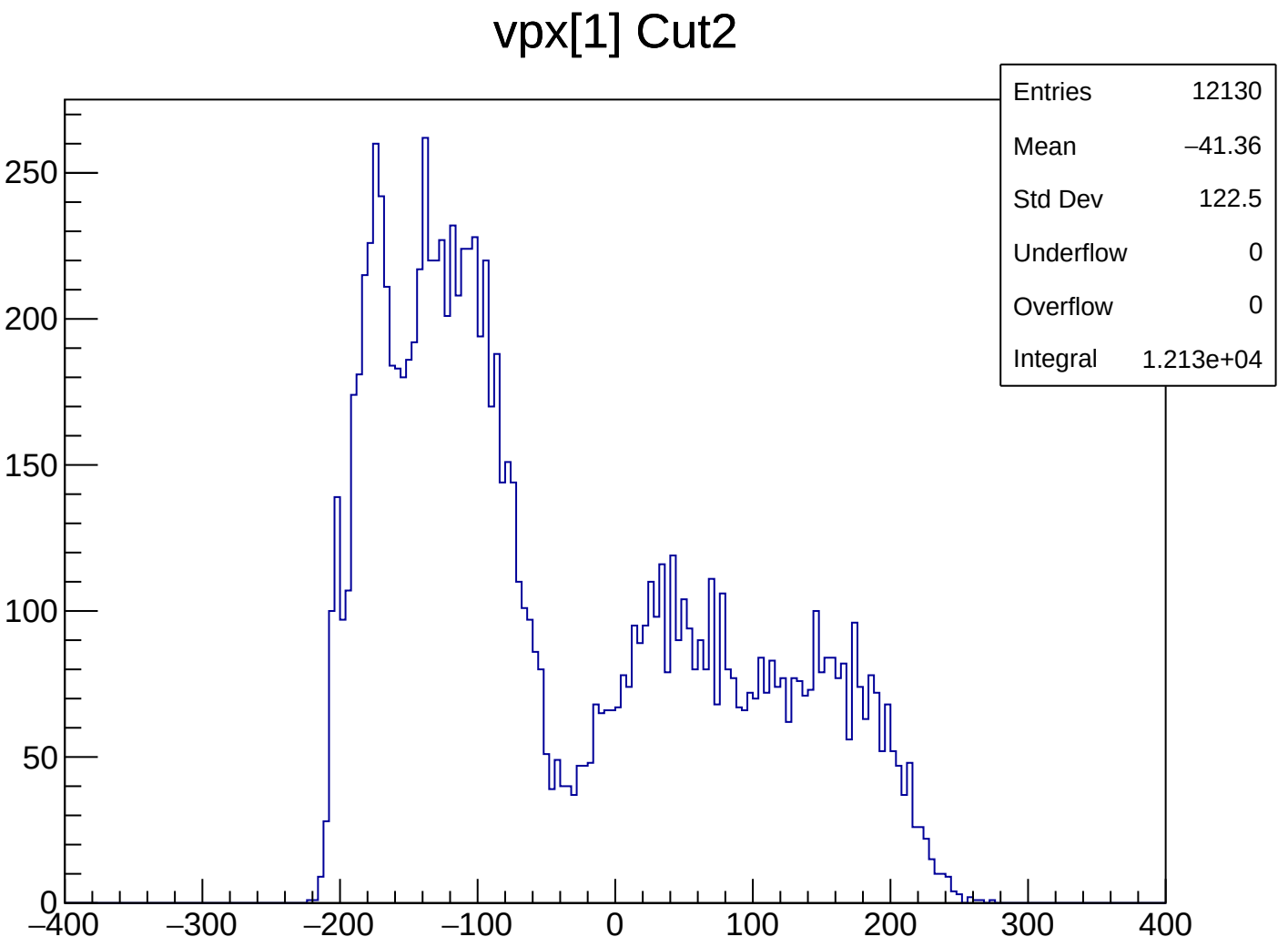

vpseg[1] Cut1
Entries 260767
Mean 26.67
Std Dev 11.91
Underflow 0
Overflow 0
Integral 2.608e+05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10
20
30
40
50
60

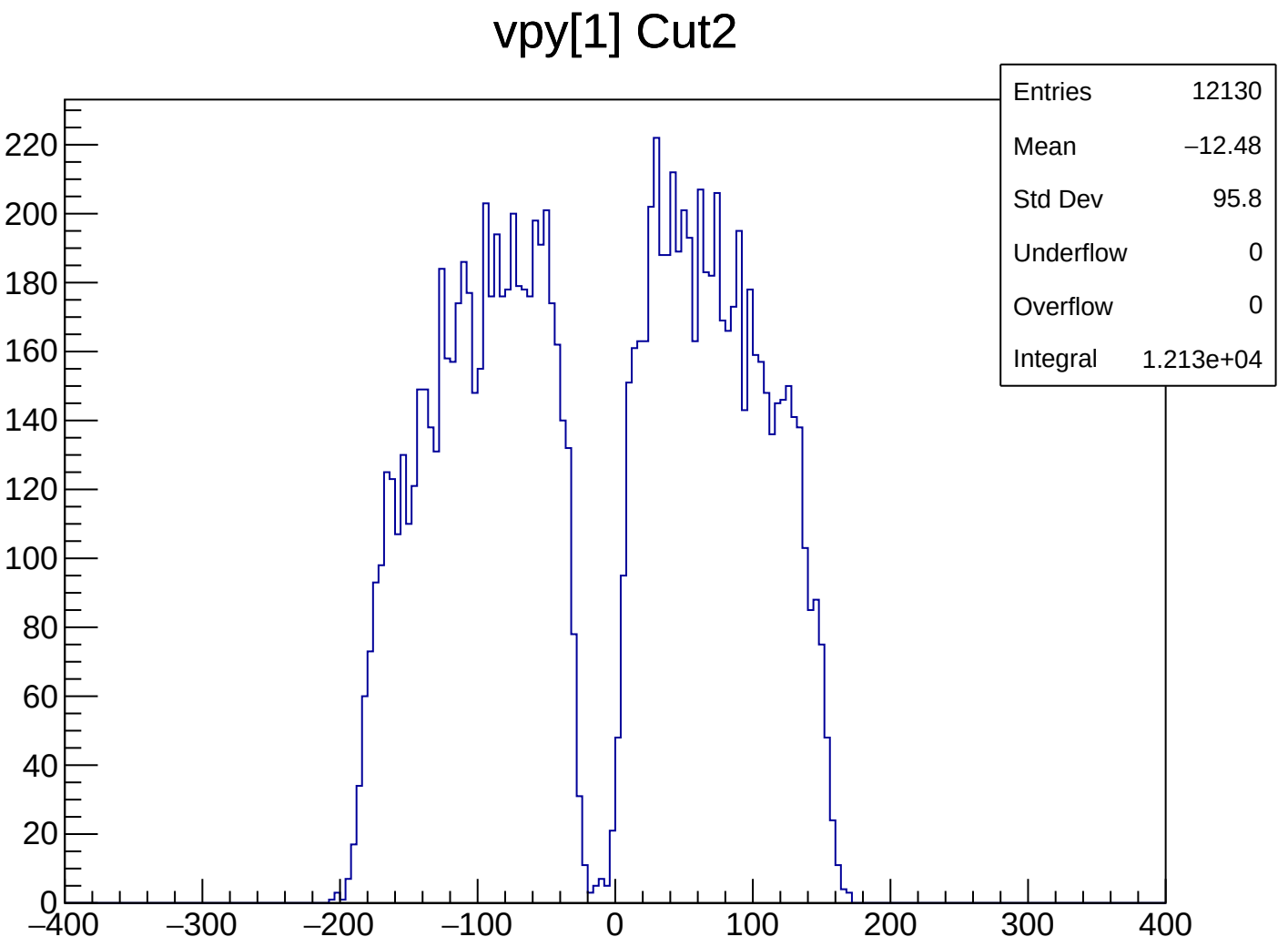

pKurama Cut2
Entries 12130
Mean 0.8153
Std Dev 0.1659
Underflow 0
Overflow 1
Integral 1.213e+04
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

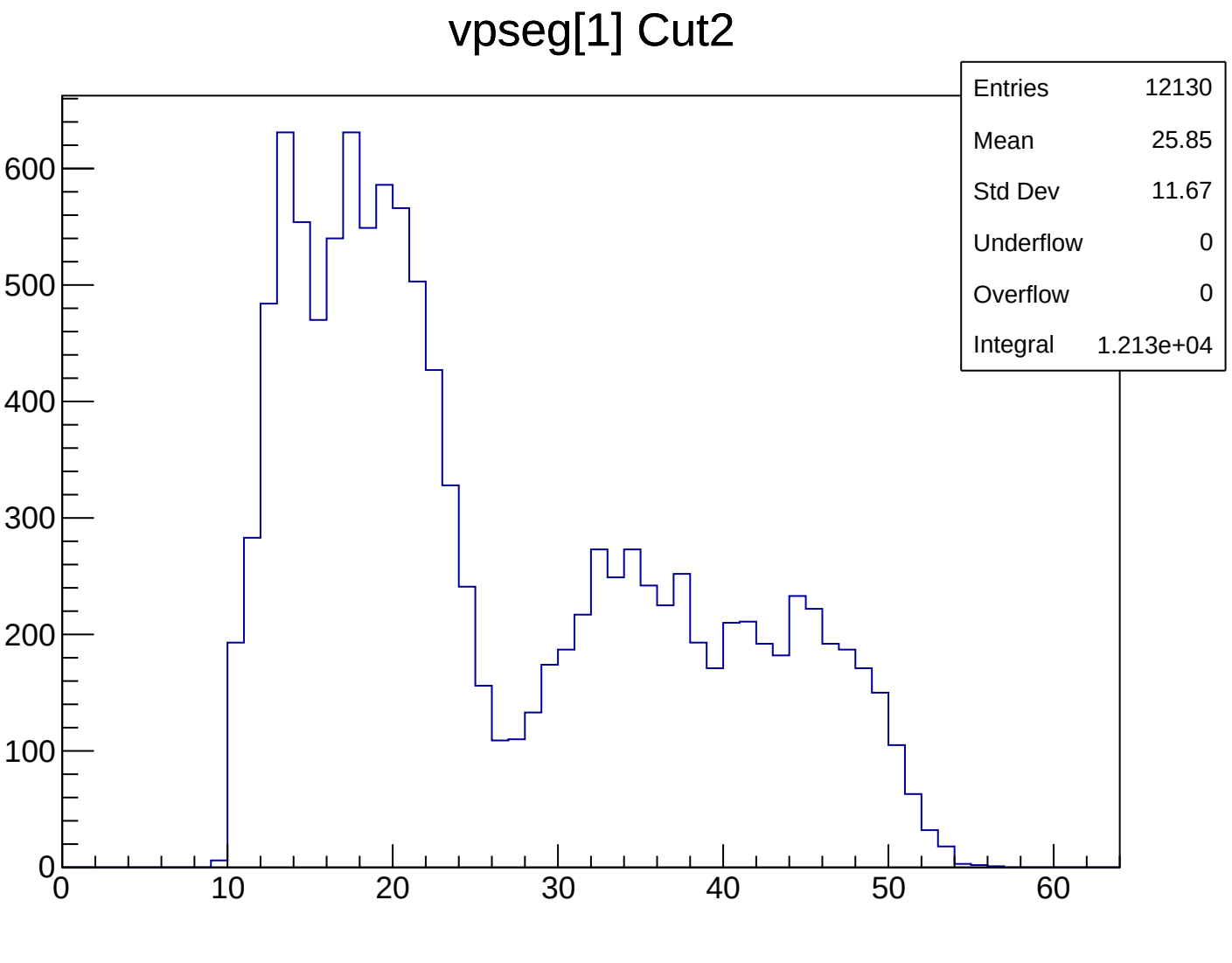

m2 Cut2
Entries 12130
Mean 0.2303
Std Dev 0.04469
Underflow 0
Overflow 0
Integral 1.213e+04
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

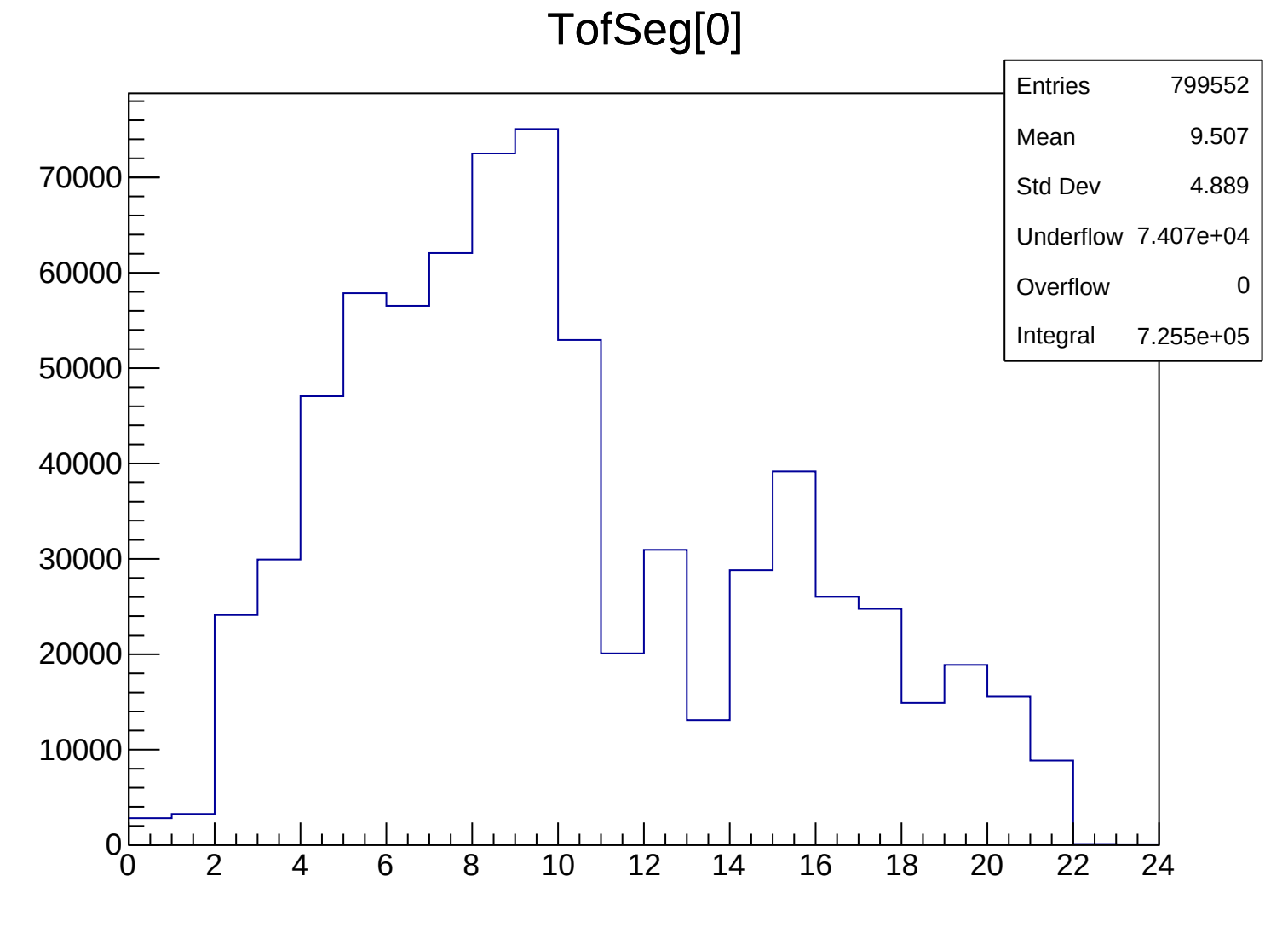

chisqrKurama Cut2
Entries 12130
Mean 4.68
Std Dev 2.342
Underflow 0
Overflow 0
Integral 1.213e+04
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
160
180
200

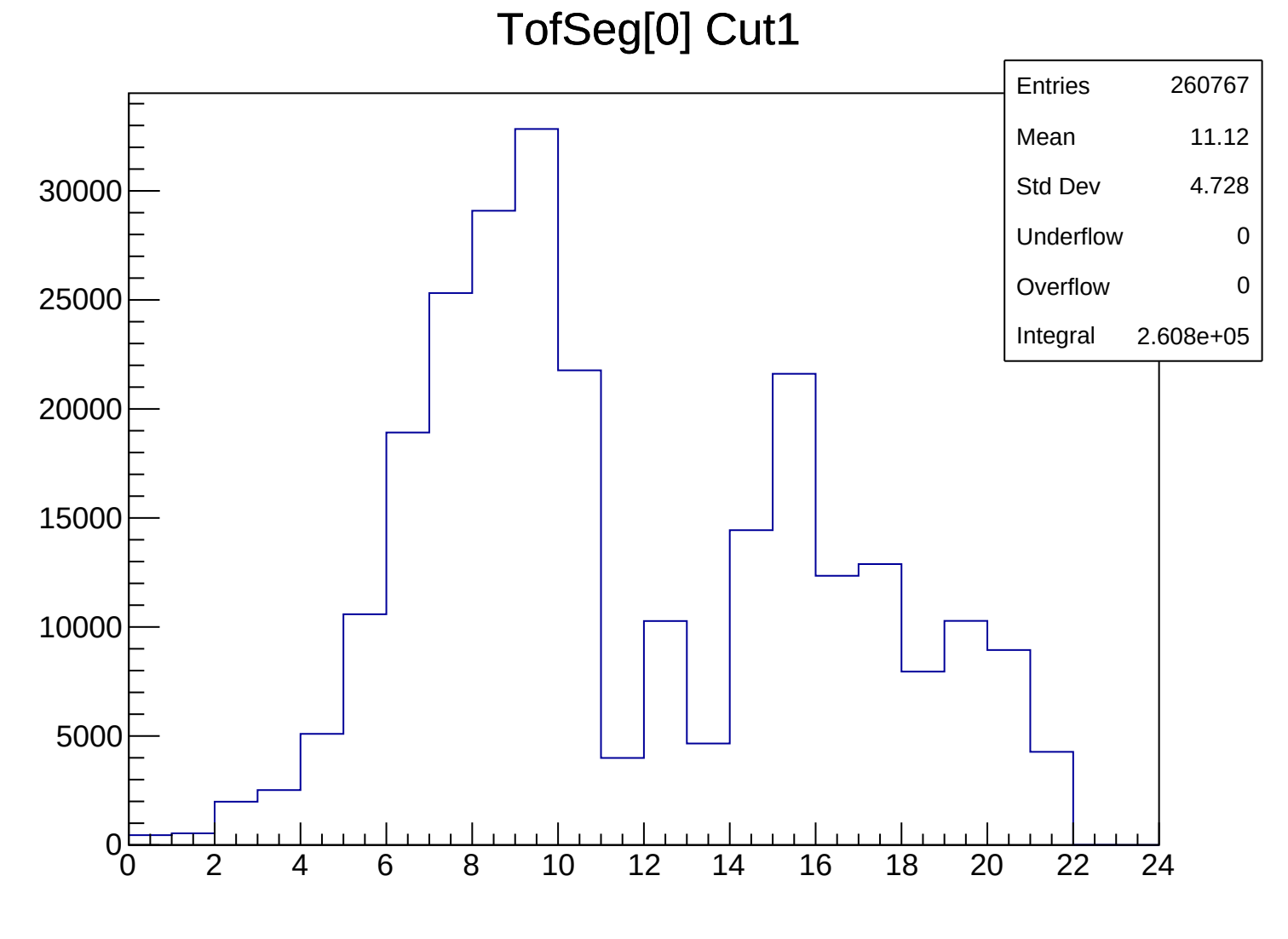

qKurama Cut2
Entries 12130
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 1.213e+04
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3

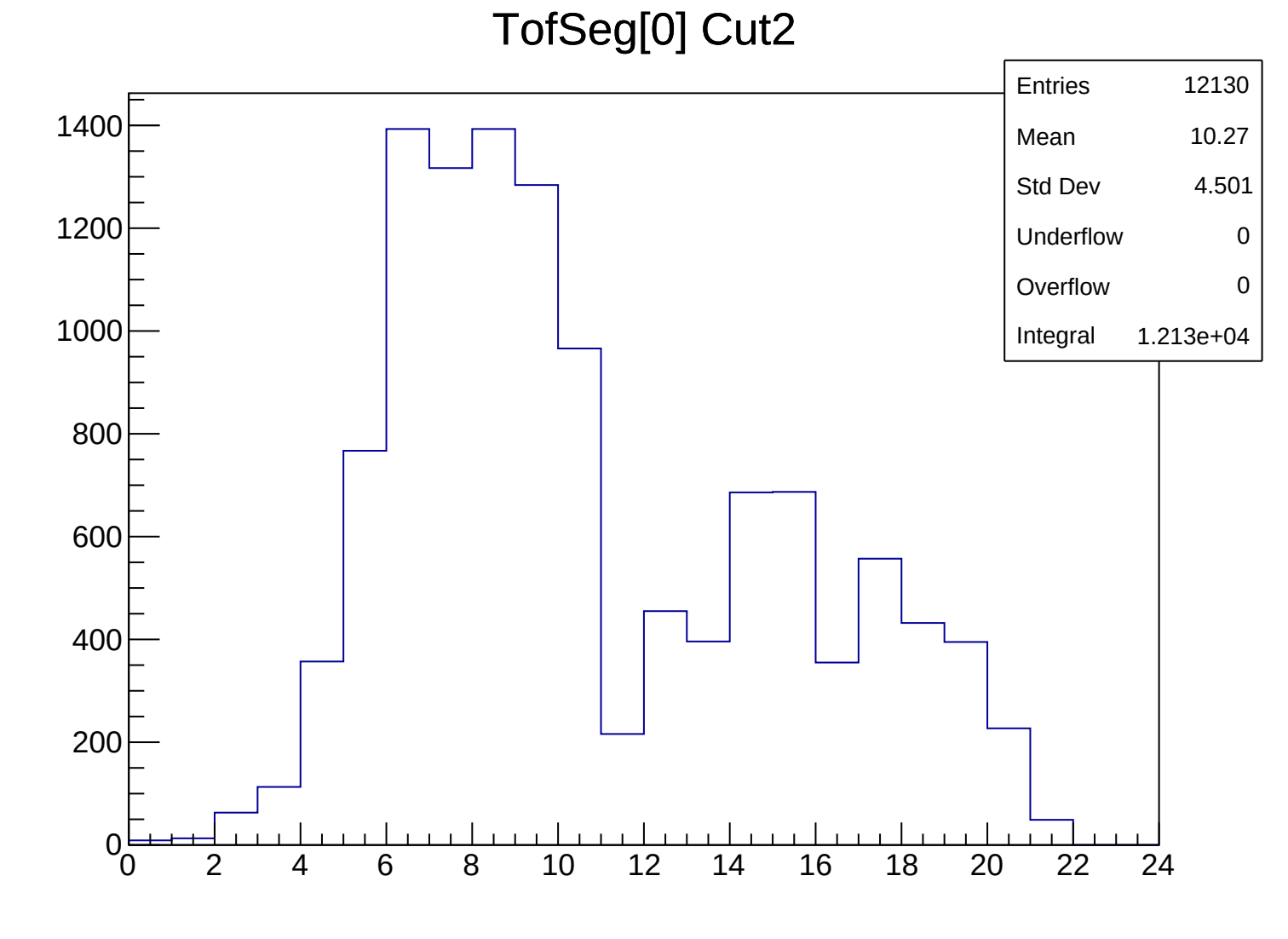

vpx[1] Cut2
Entries 12130
Mean –41.36
Std Dev 122.5
Underflow 0
Overflow 0
Integral 1.213e+04
250
200
150
100
50
0
–400
–300
–200
–100
0
100
200
300
400

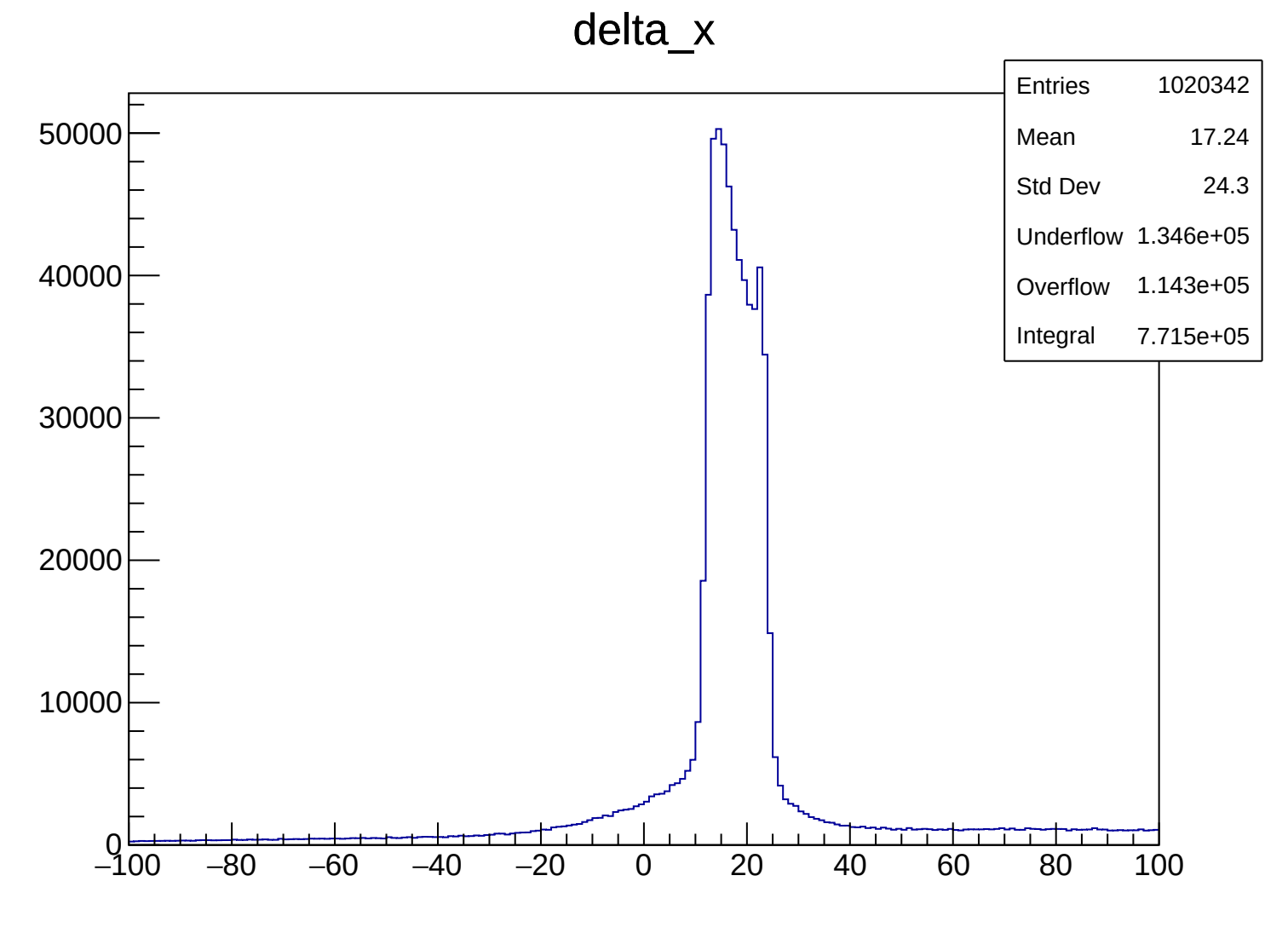

vpy[1] Cut2
Entries 12130
Mean −12.48
Std Dev 95.8
Underflow 0
Overflow 0
Integral 1.213e+04
220
200
180
160
140
120
100
80
60
40
20
0
−400
−300
−200
−100
0
100
200
300
400

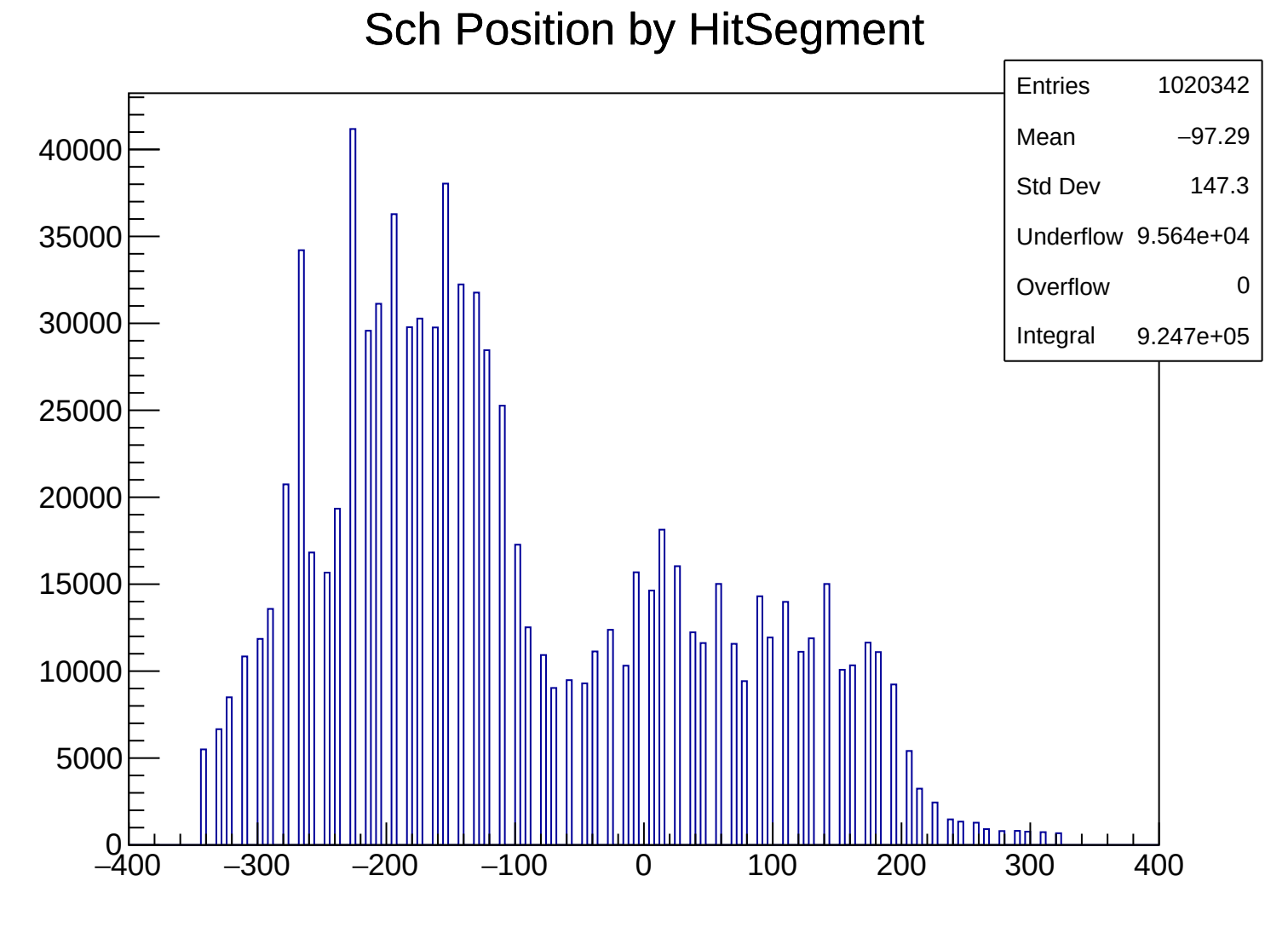

vpseg[1] Cut2
Entries 12130
Mean 25.85
Std Dev 11.67
Underflow 0
Overflow 0
Integral 1.213e+04
600
500
400
300
200
100
0
0
10
20
30
40
50
60

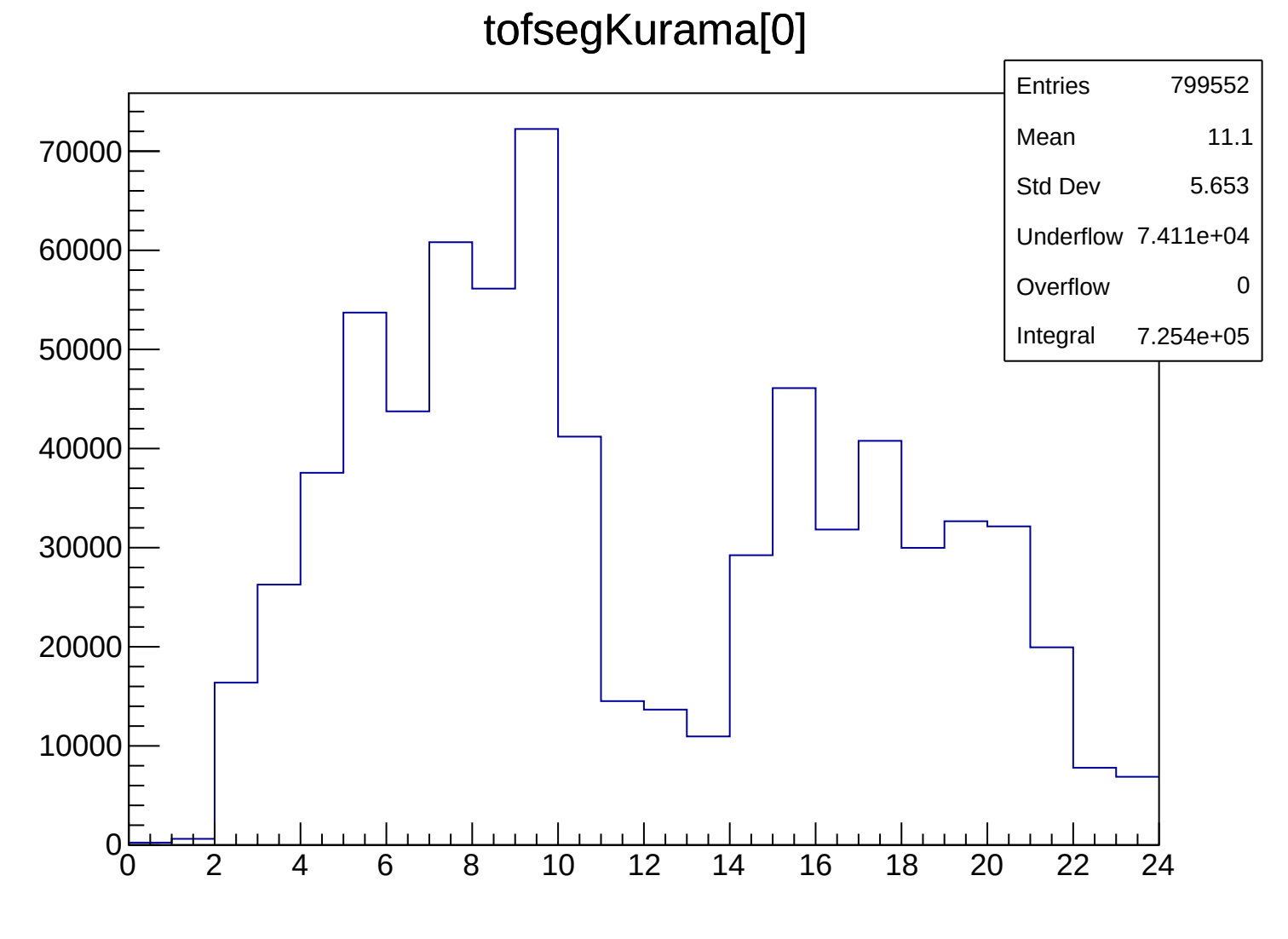

TofSeg[0]
Entries 799552
Mean 9.507
Std Dev 4.889
Underflow 7.407e+04
Overflow 0
Integral 7.255e+05
70000
60000
50000
40000
30000
20000
10000
0
0
2
4
6
8
10
12
14
16
18
20
22
24

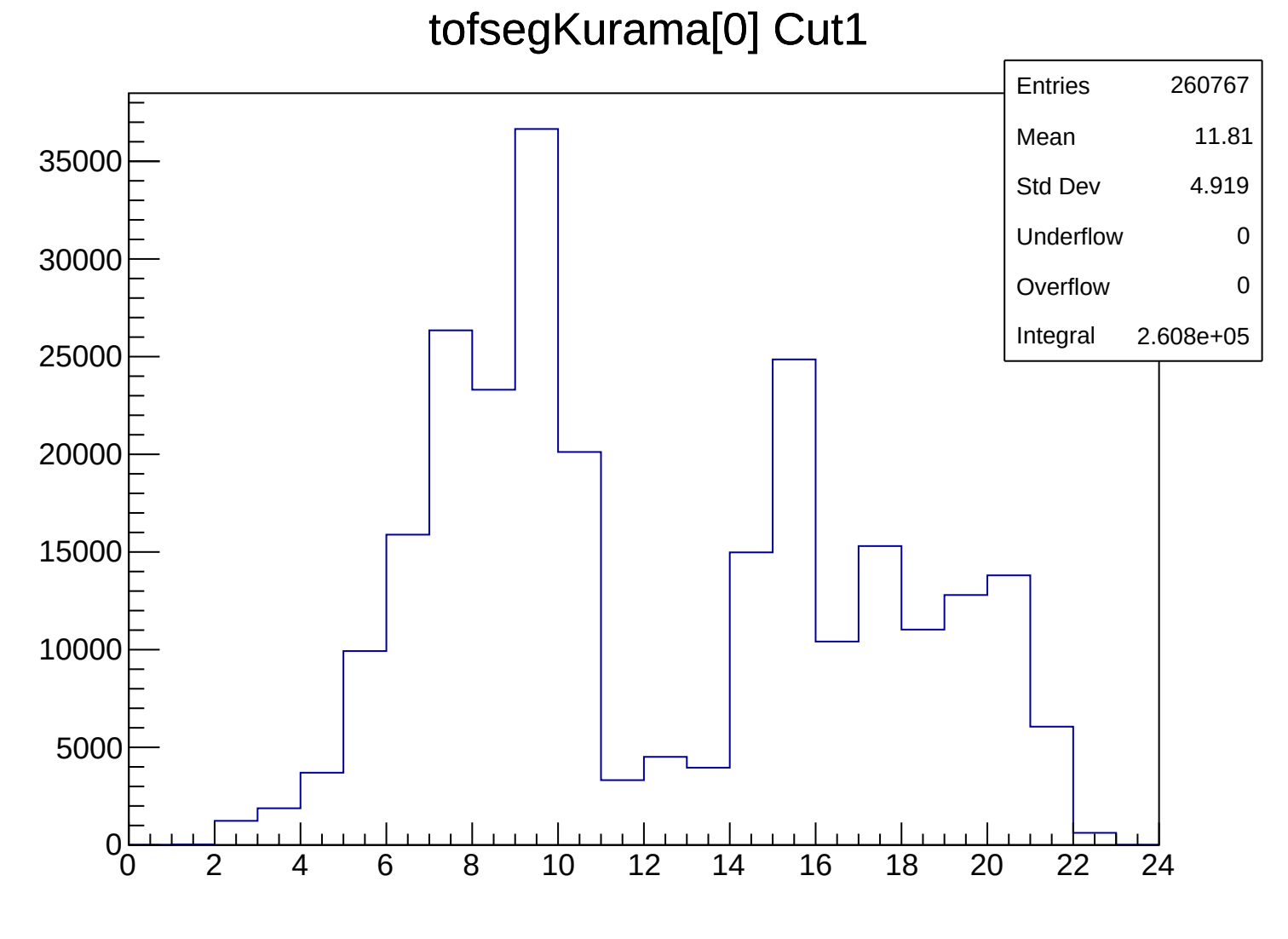

TofSeg[0] Cut1
Entries 260767
Mean 11.12
Std Dev 4.728
Underflow 0
Overflow 0
Integral 2.608e+05
30000
25000
20000
15000
10000
5000
0
0
2
4
6
8
10
12
14
16
18
20
22
24

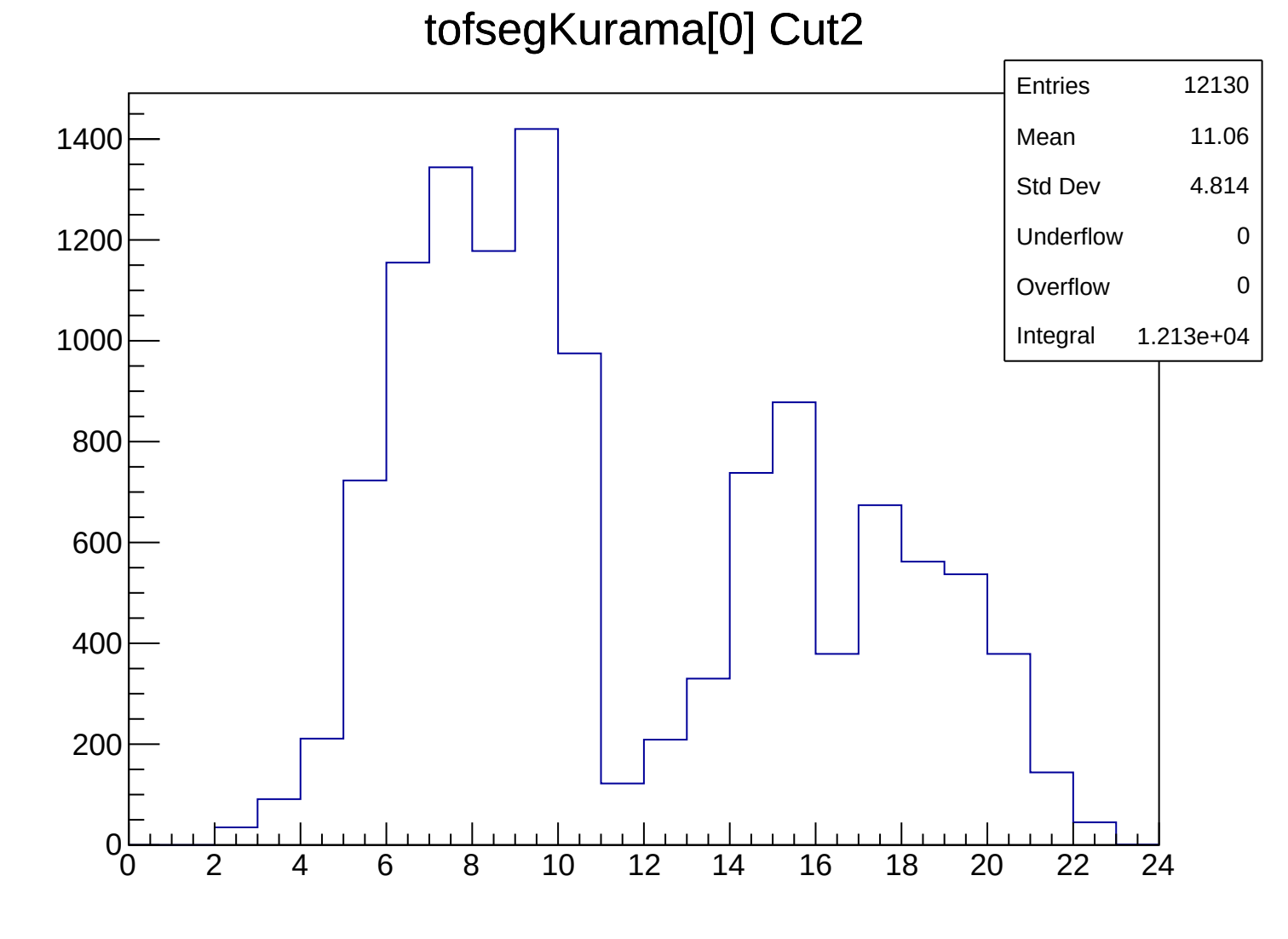

TofSeg[0] Cut2
Entries 12130
Mean 10.27
Std Dev 4.501
Underflow 0
Overflow 0
Integral 1.213e+04
1400
1200
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
16
18
20
22
24

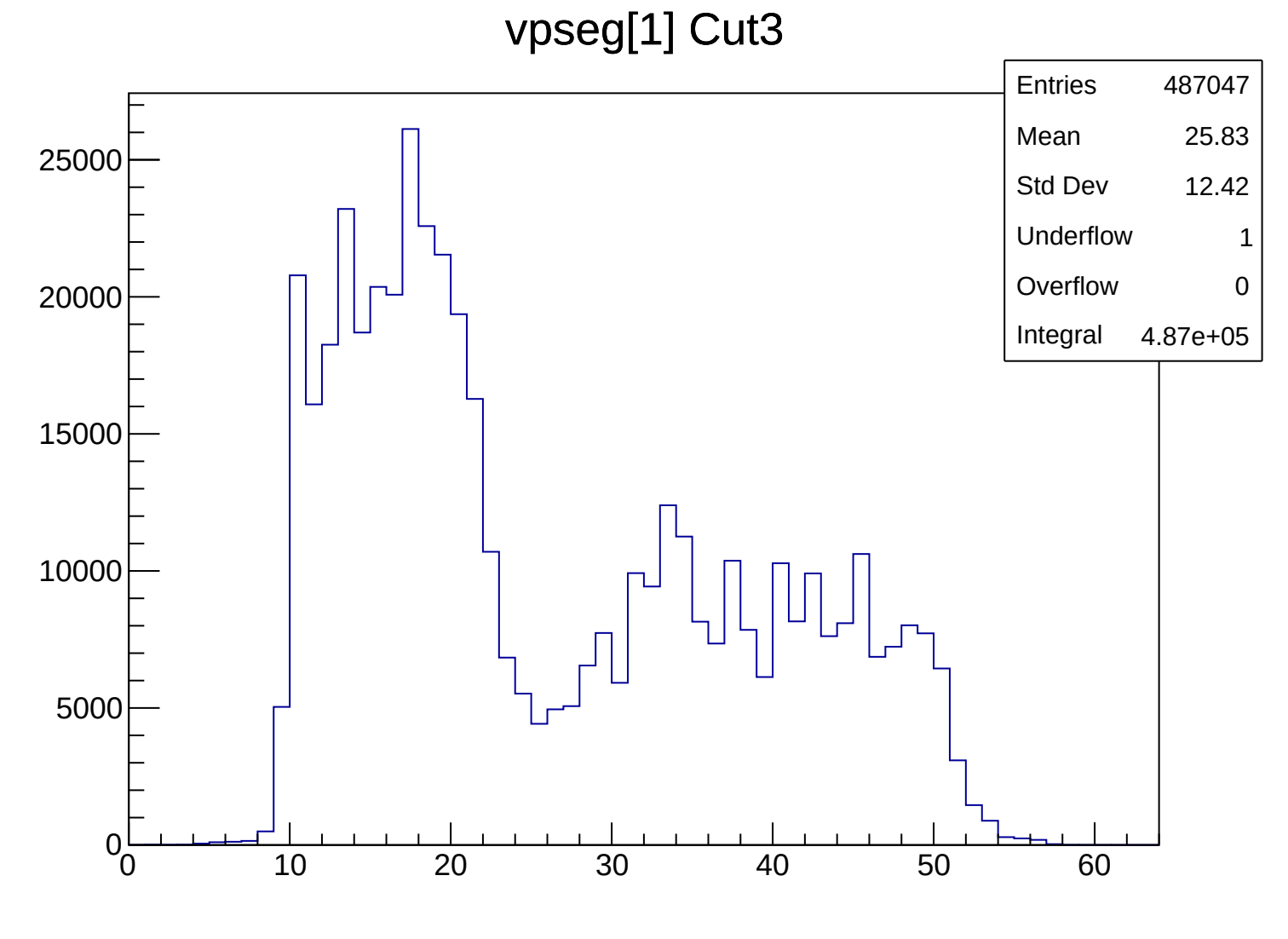

delta_x
Entries 1020342
Mean 17.24
Std Dev 24.3
Underflow 1.346e+05
Overflow 1.143e+05
Integral 7.715e+05
50000
40000
30000
20000
10000
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

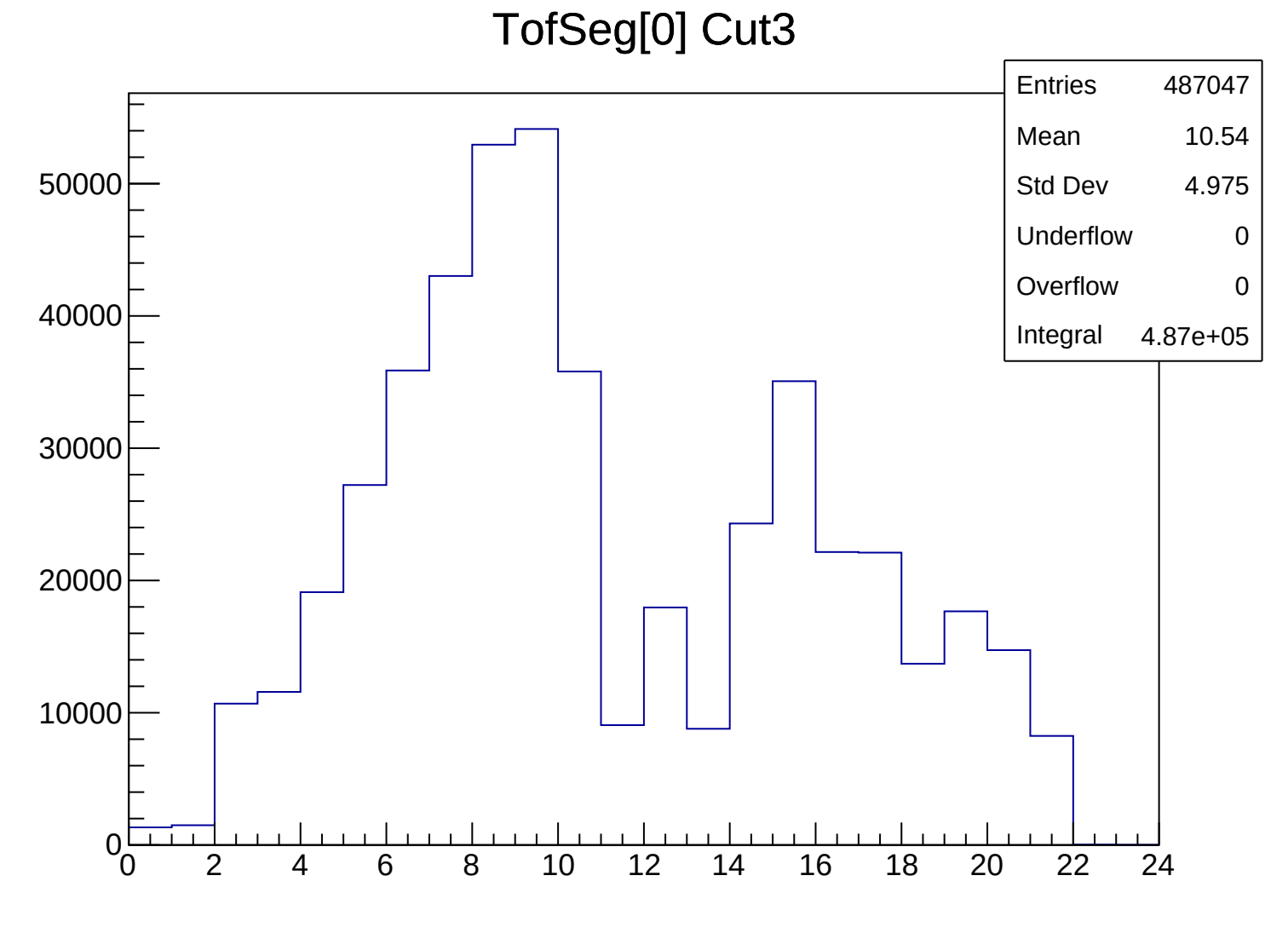

Sch Position by HitSegment
Entries 1020342
Mean –97.29
Std Dev 147.3
Underflow 9.564e+04
Overflow 0
Integral 9.247e+05
40000
35000
30000
25000
20000
15000
10000
5000
0
–400
–300
–200
–100
0
100
200
300
400

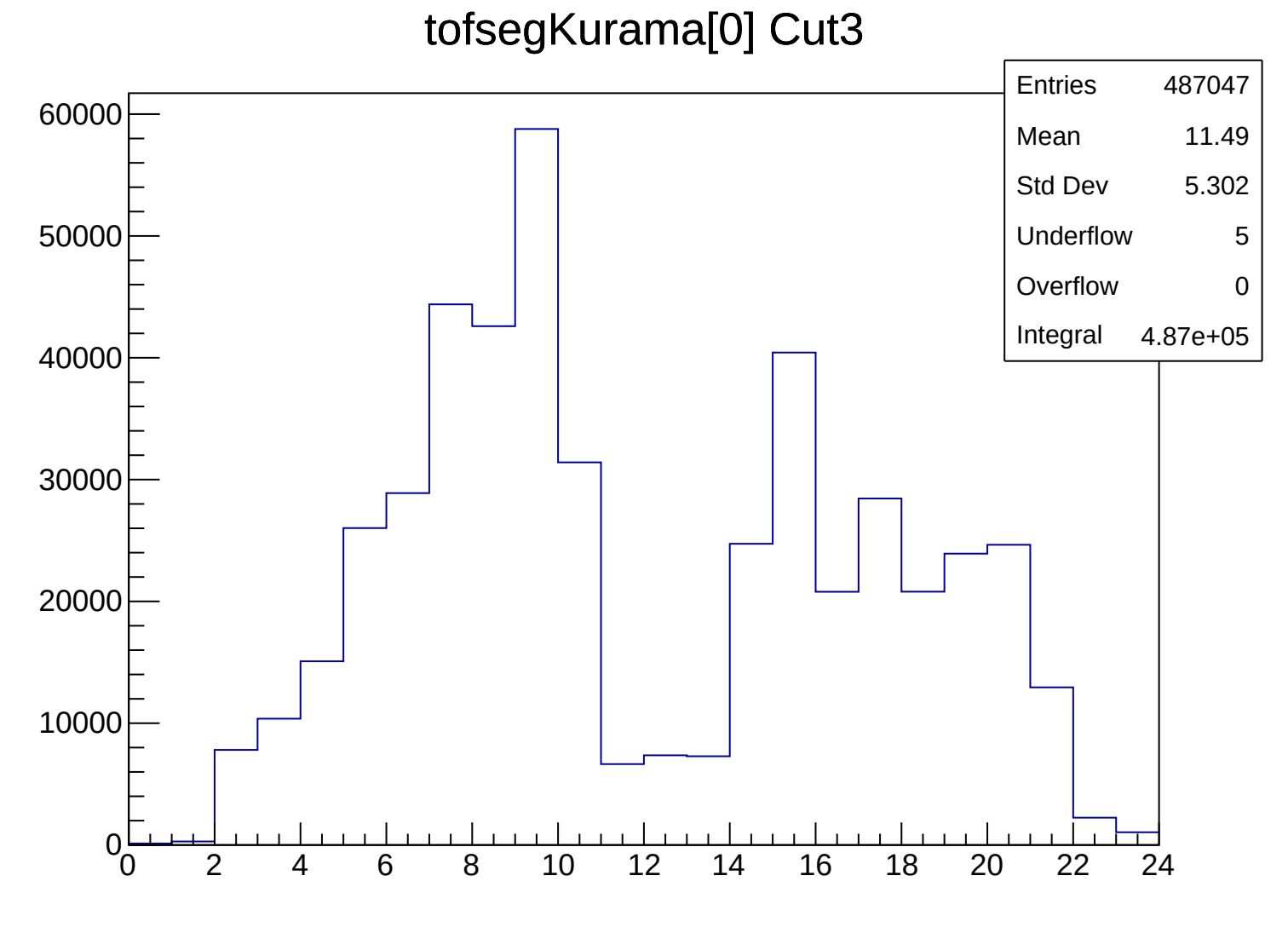

tofsegKurama[0]
Entries 799552
Mean 11.1
Std Dev 5.653
Underflow 7.411e+04
Overflow 0
Integral 7.254e+05
70000
60000
50000
40000
30000
20000
10000
0
0
2
4
6
8
10
12
14
16
18
20
22
24

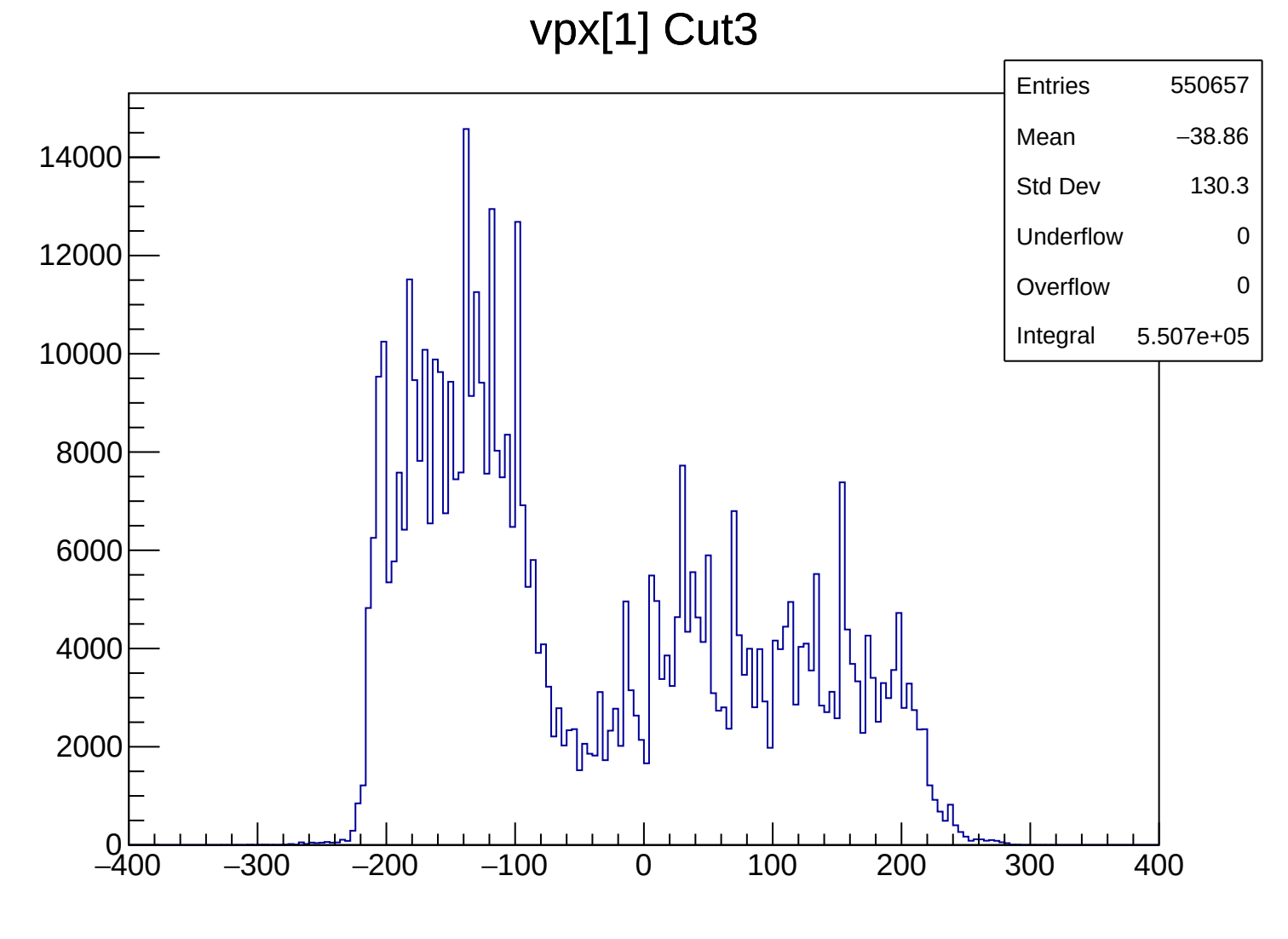

tofsegKurama[0] Cut1
Entries 260767
Mean 11.81
Std Dev 4.919
Underflow 0
Overflow 0
Integral 2.608e+05
35000
30000
25000
20000
15000
10000
5000
0
0
2
4
6
8
10
12
14
16
18
20
22
24

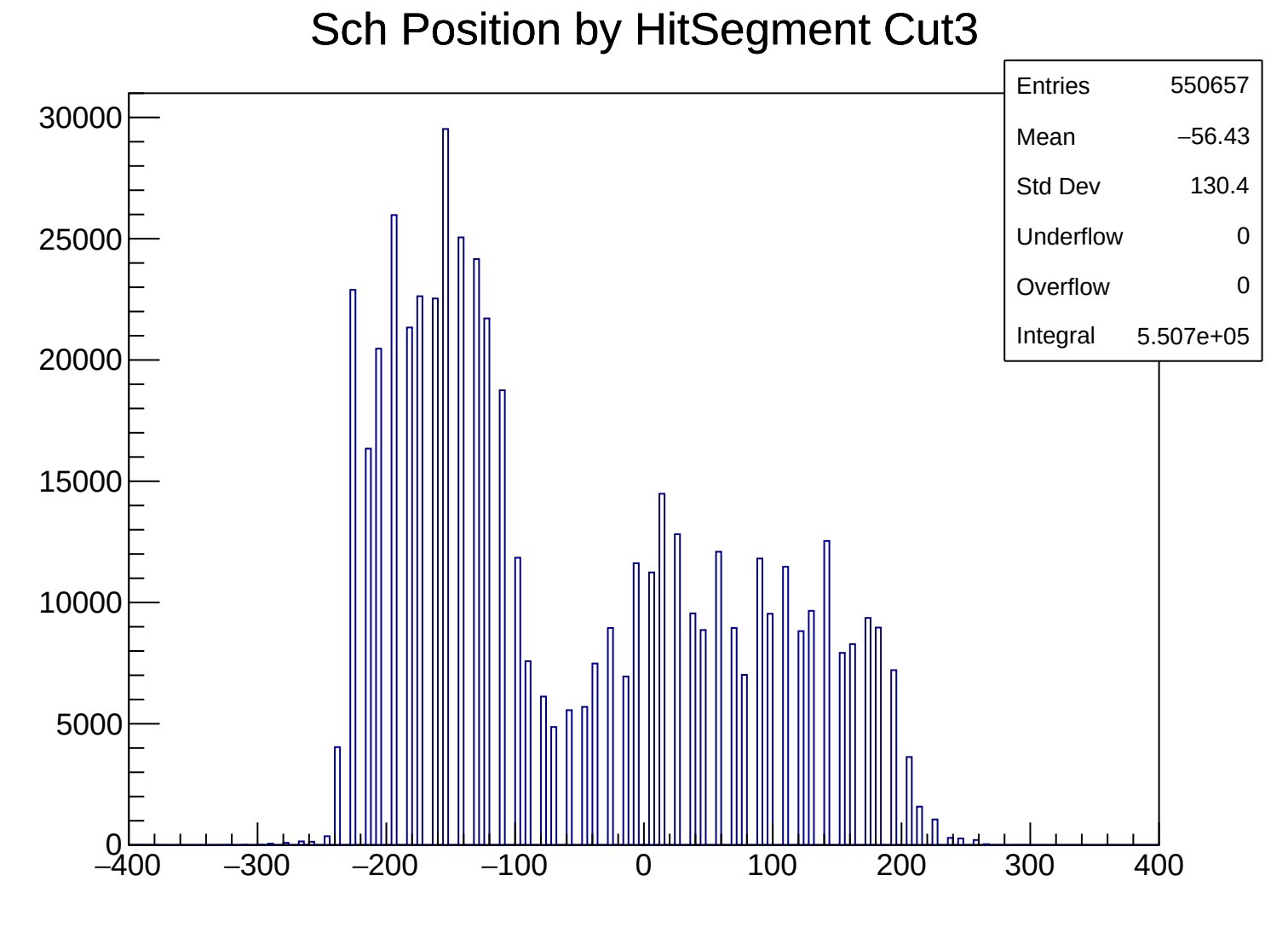

tofsegKurama[0] Cut2
Entries 12130
Mean 11.06
Std Dev 4.814
Underflow 0
Overflow 0
Integral 1.213e+04
1400
1200
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
16
18
20
22
24

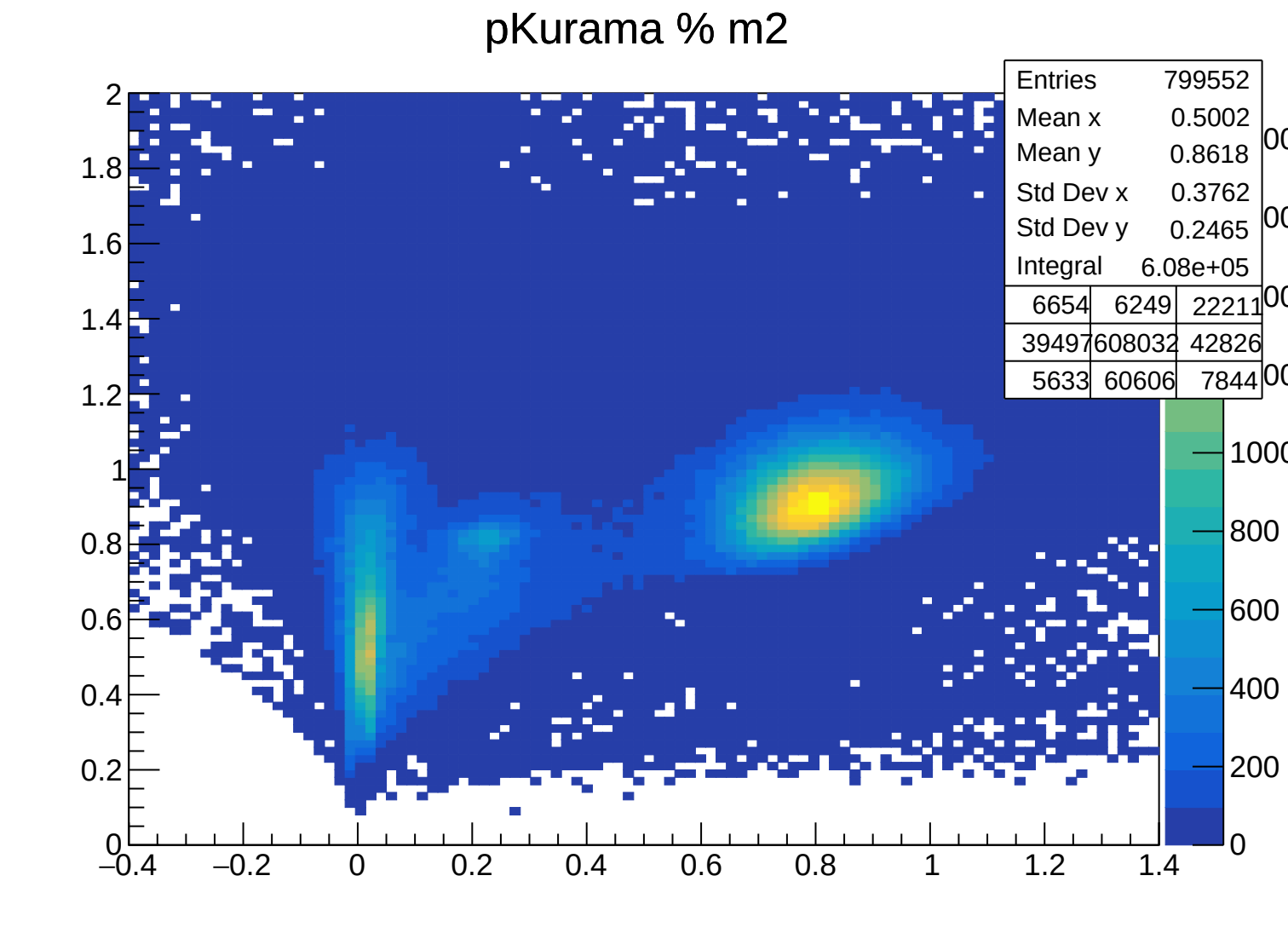

vpseg[1] Cut3
Entries 487047
Mean 25.83
Std Dev 12.42
Underflow 1
Overflow 0
Integral 4.87e+05
25000
20000
15000
10000
5000
0
0
10
20
30
40
50
60

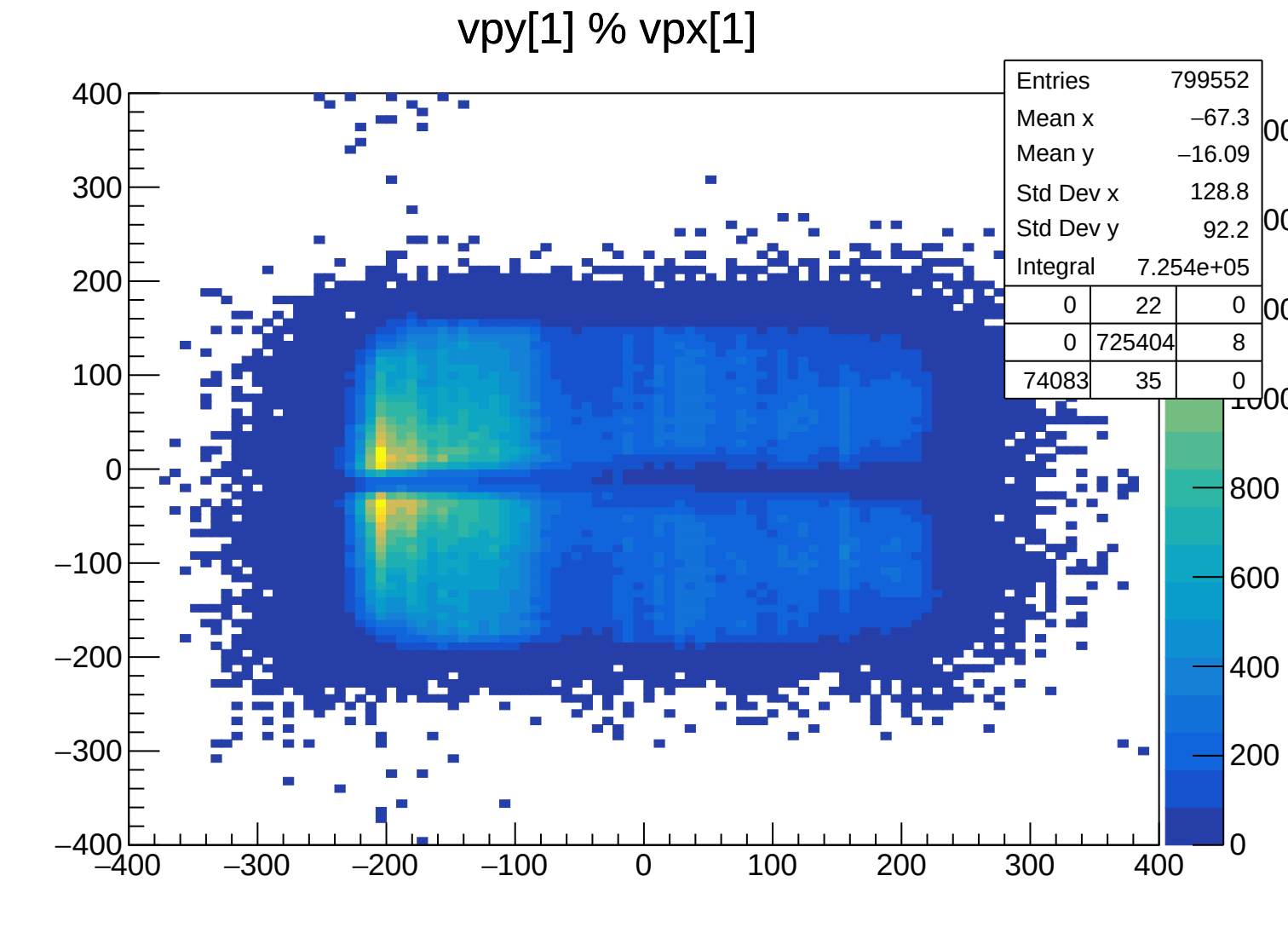

TofSeg[0] Cut3
Entries 487047
Mean 10.54
Std Dev 4.975
Underflow 0
Overflow 0
Integral 4.87e+05
50000
40000
30000
20000
10000
0
0
2
4
6
8
10
12
14
16
18
20
22
24

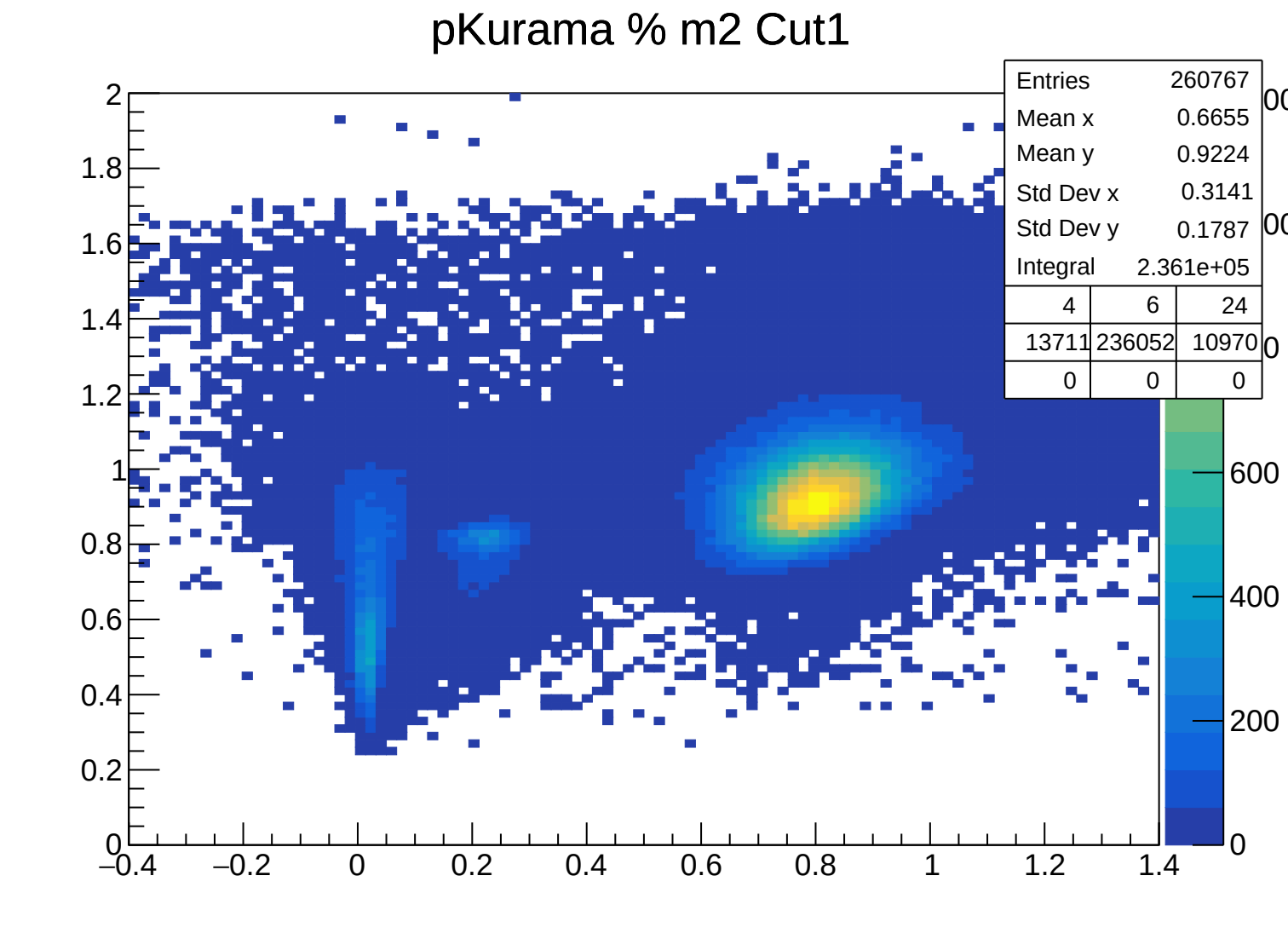

tofsegKurama[0] Cut3
Entries 487047
Mean 11.49
Std Dev 5.302
Underflow 5
Overflow 0
Integral 4.87e+05
60000
50000
40000
30000
20000
10000
0
0
2
4
6
8
10
12
14
16
18
20
22
24

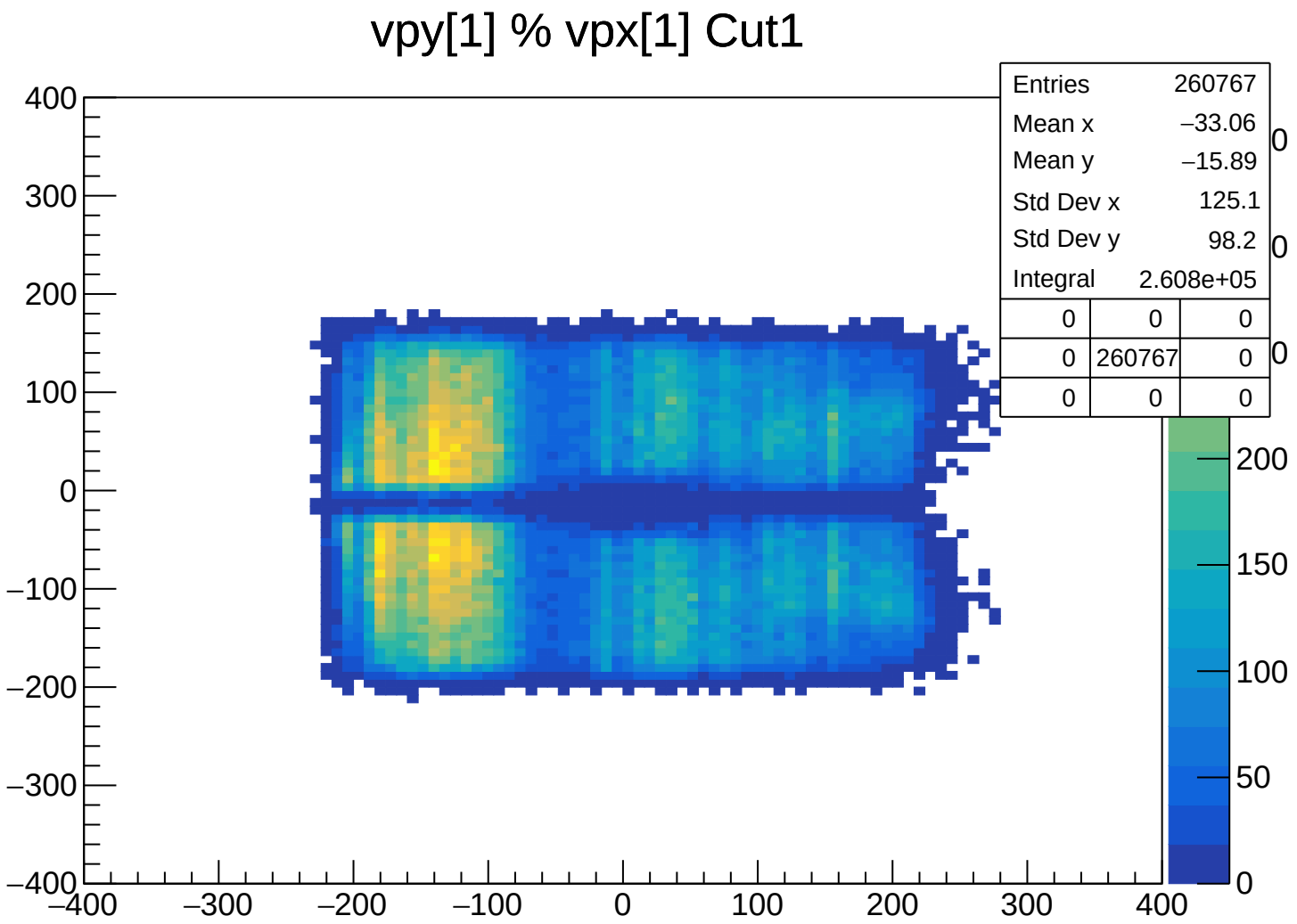

vpx[1] Cut3
Entries 550657
Mean −38.86
Std Dev 130.3
Underflow 0
Overflow 0
Integral 5.507e+05
14000
12000
10000
8000
6000
4000
2000
0
−400
−300
−200
−100
0
100
200
300
400


Sch Position by HitSegment Cut3
Entries 550657
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 260767
Mean x 0.6655
Mean y 0.9224
Std Dev x 0.3141
Std Dev y 0.1787
Integral 2.361e+05
4 6 24
13711 236052 10970
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 260767
Mean x −33.06
Mean y −15.89
Std Dev x 125.1
Std Dev y 98.2
Integral 2.608e+05
0 0 0
0 260767 0
0 0 0
400
300
200
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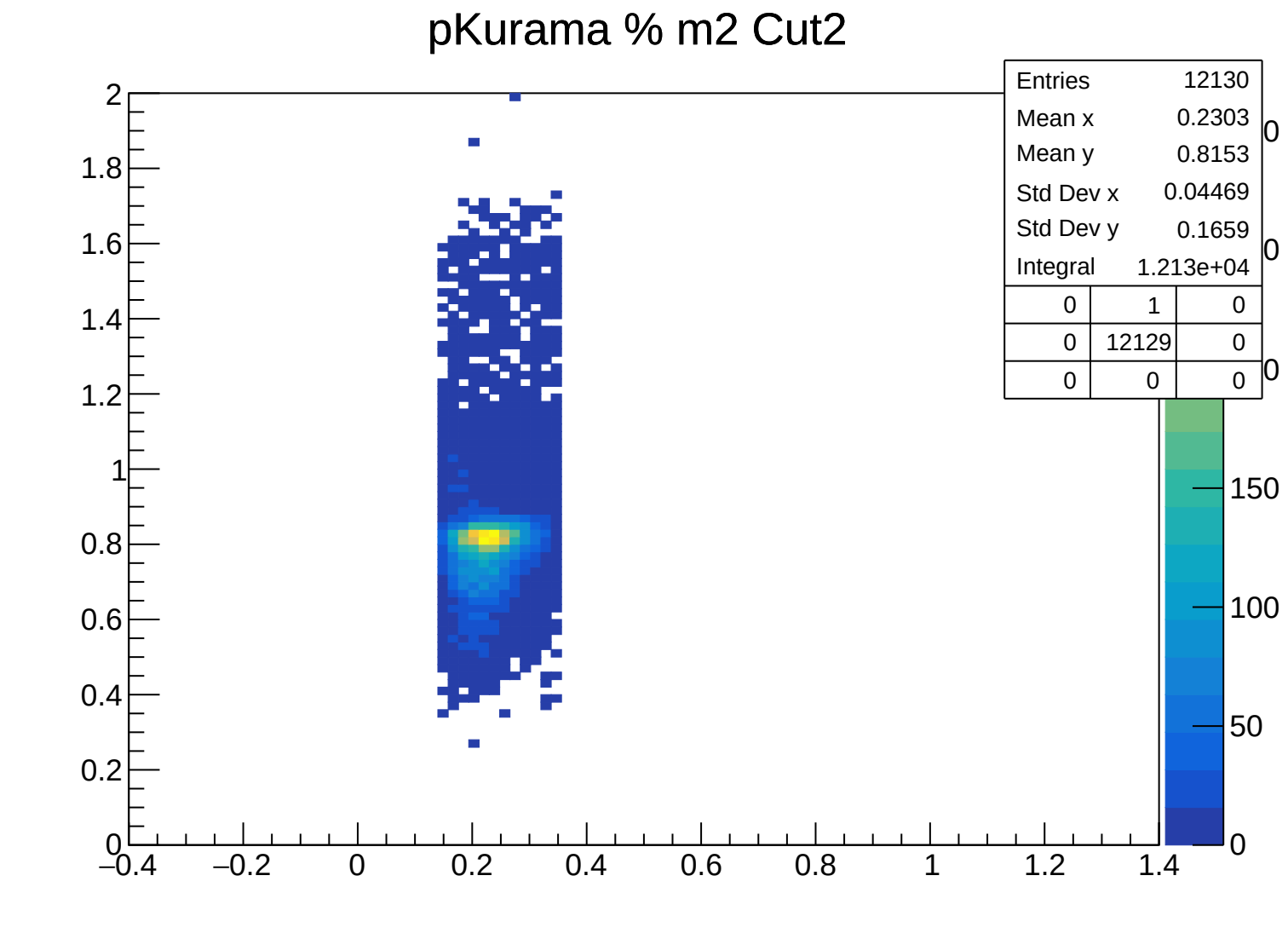
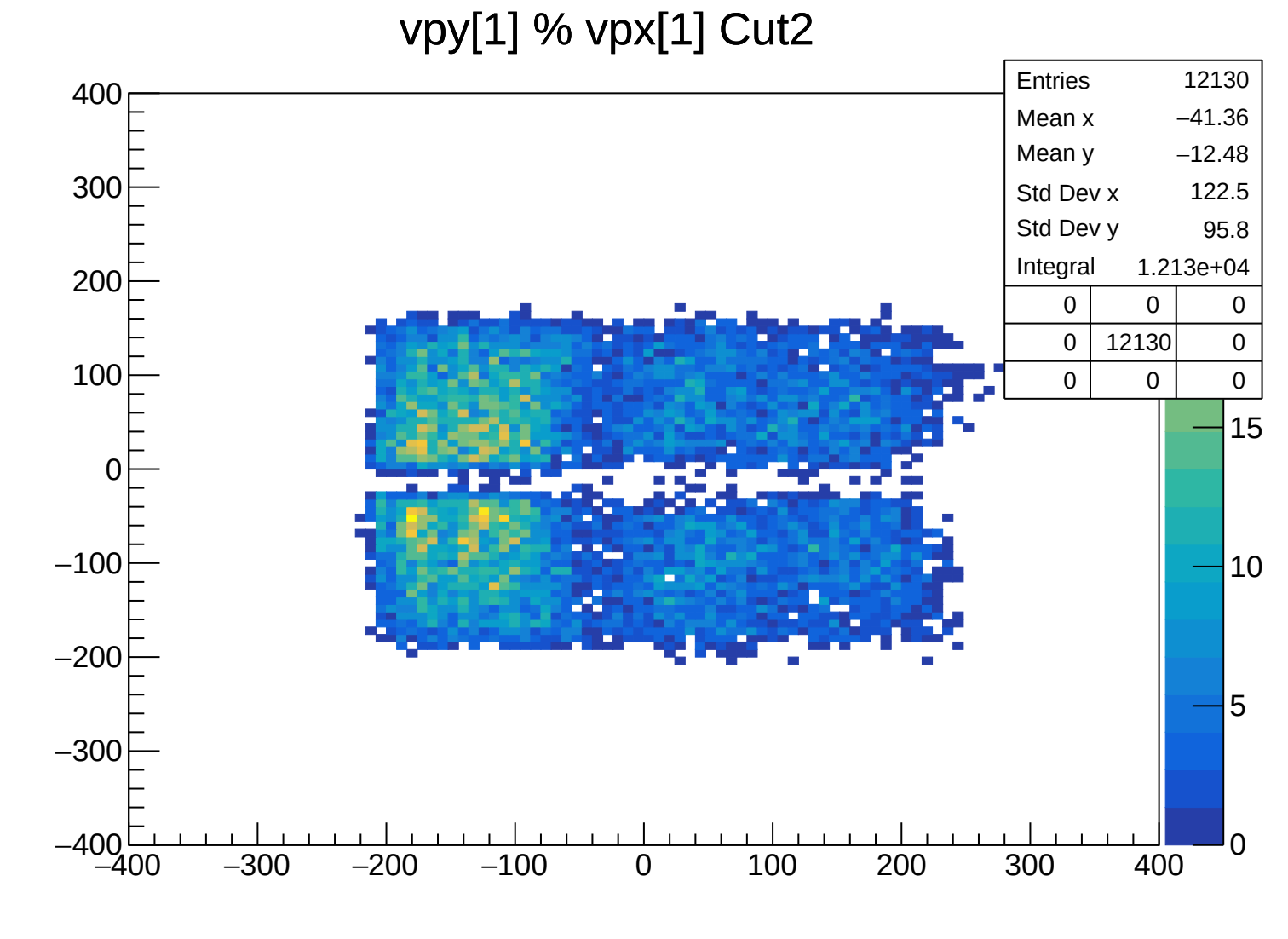
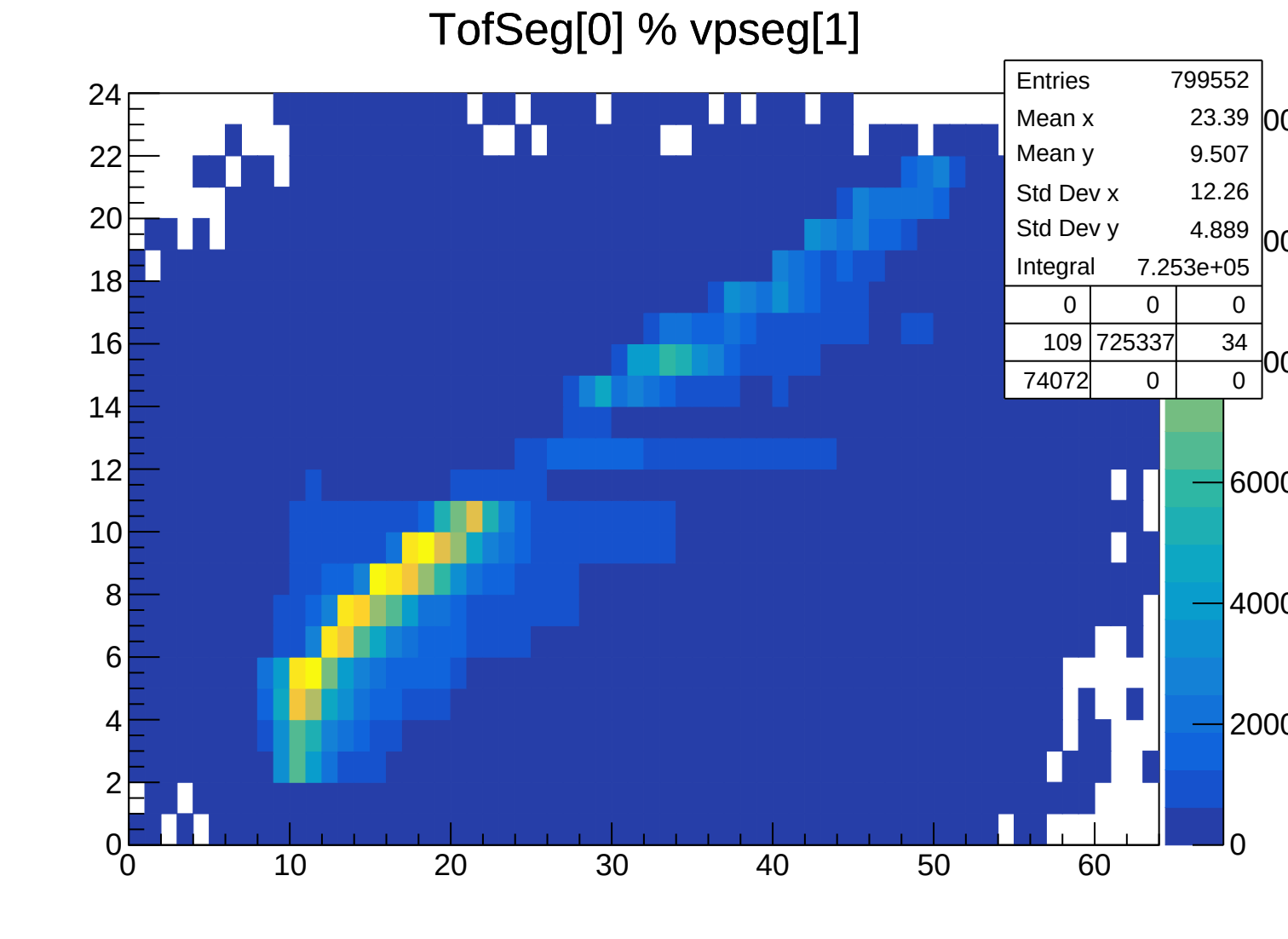
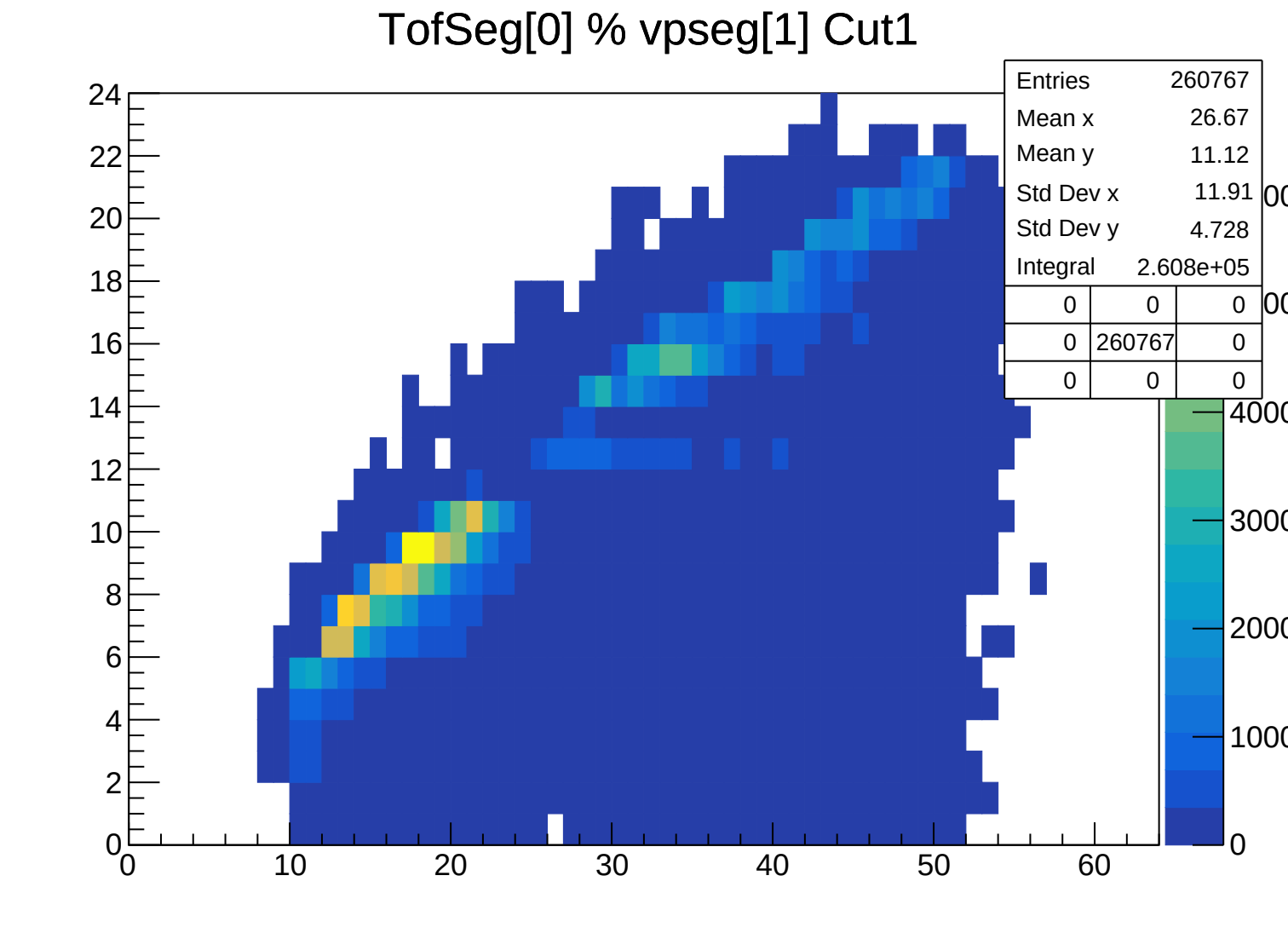
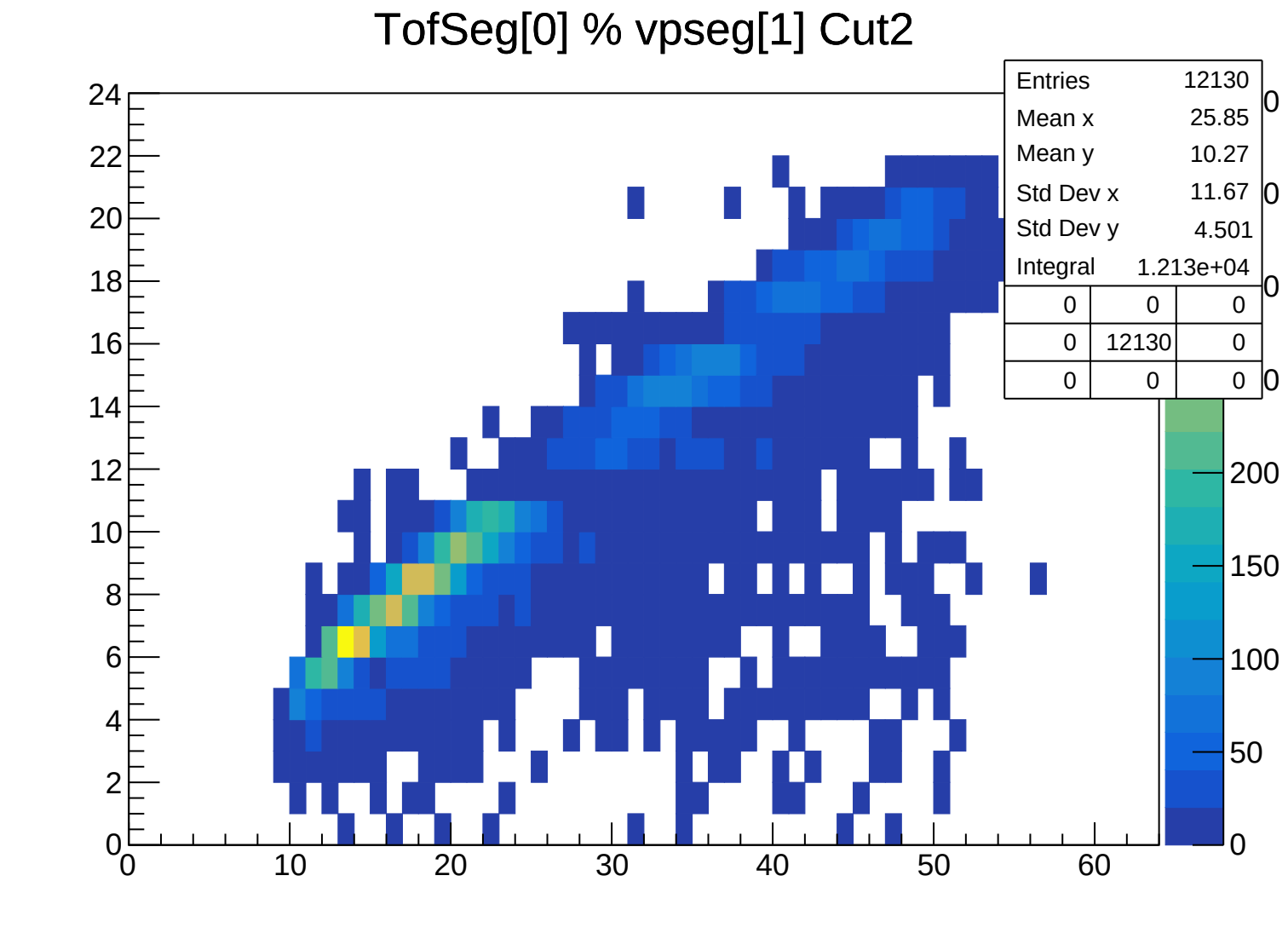
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
200
150
100
50
0

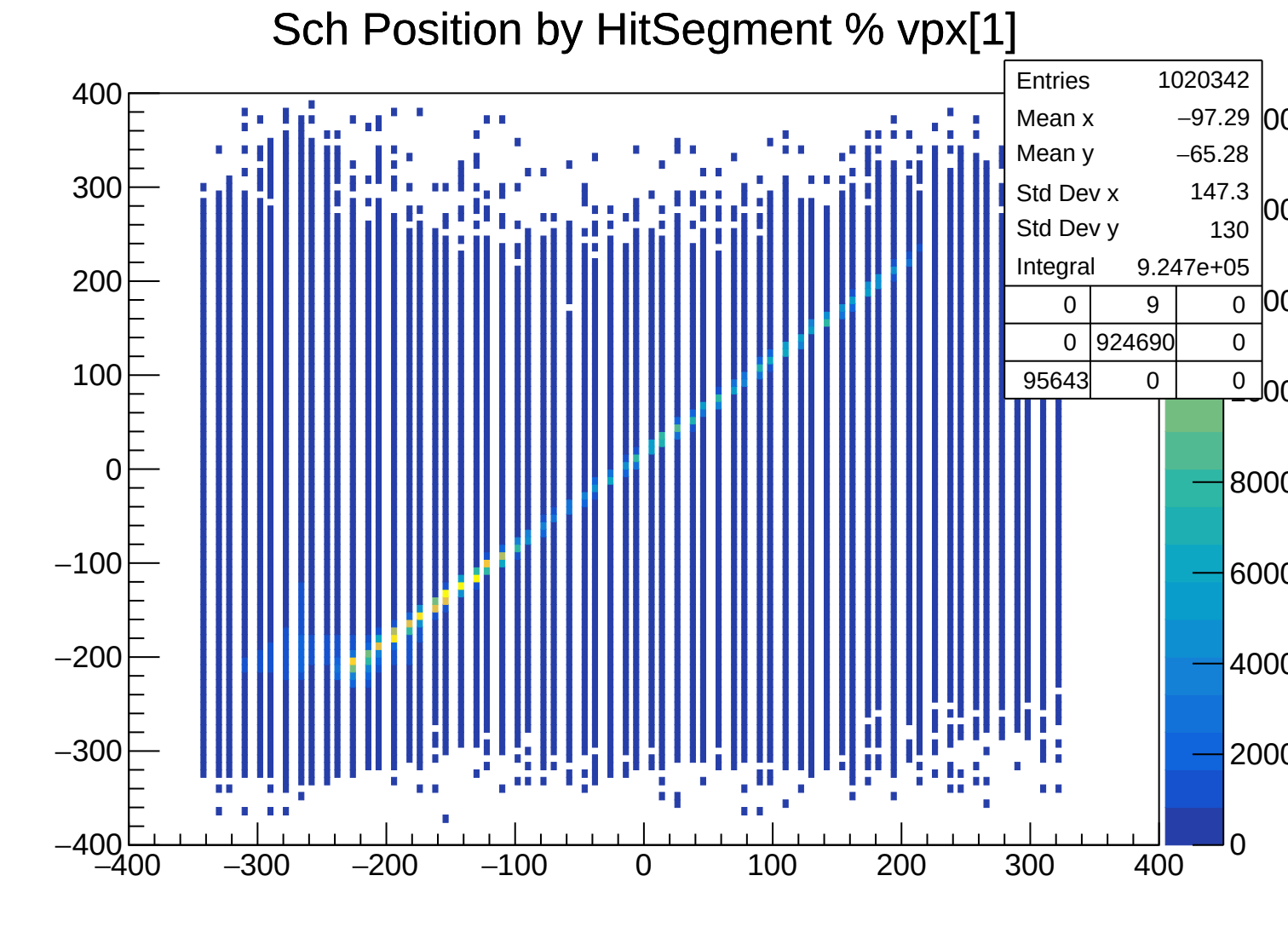

pKurama % m2 Cut2
Entries 12130
Mean x 0.2303
Mean y 0.8153
Std Dev x 0.04469
Std Dev y 0.1659
Integral 1.213e+04
0 1 0
0 12129 0
0 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
150
100
50
0

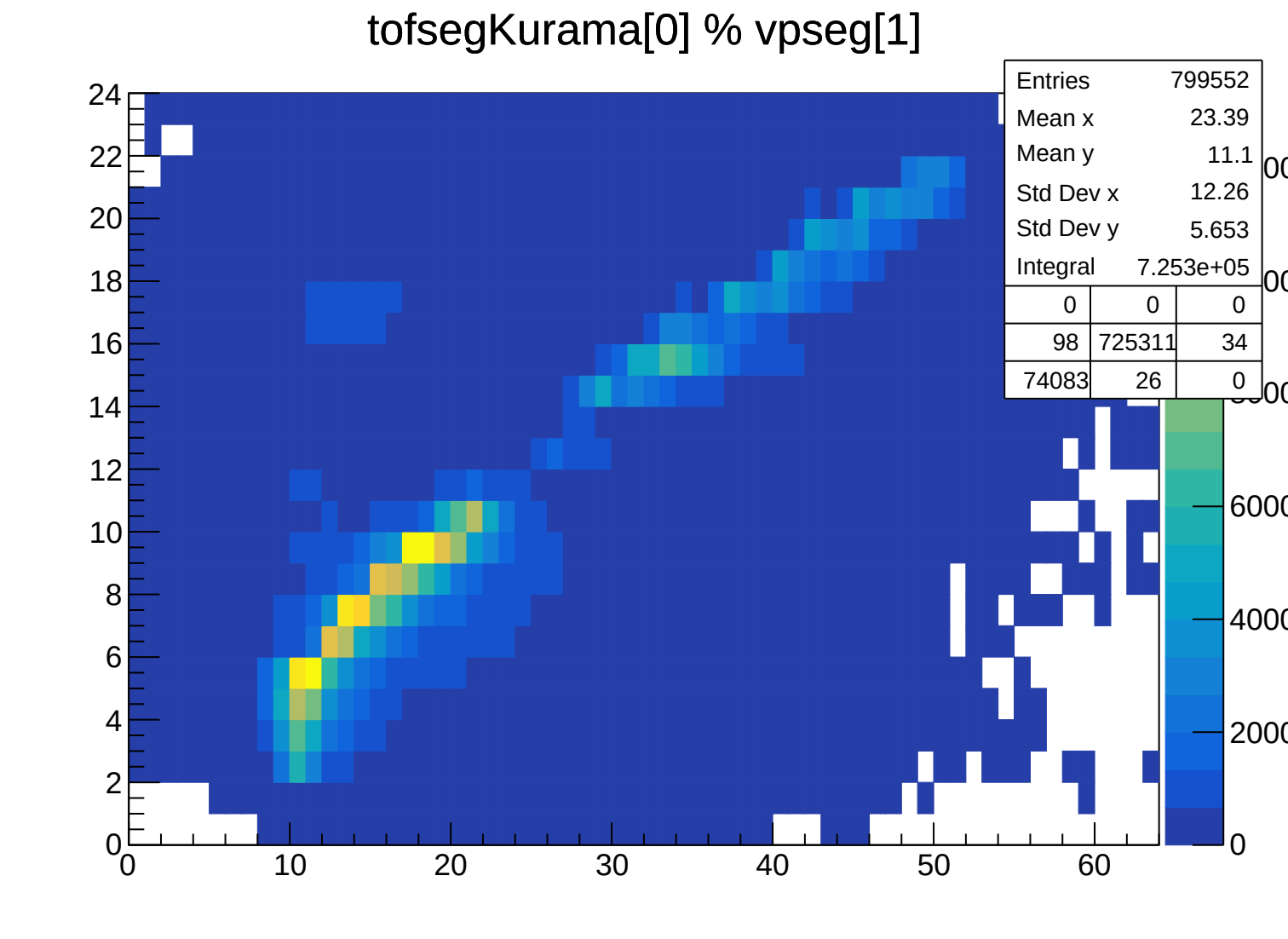

vpy[1] % vpx[1] Cut2
Entries 12130
Mean x −41.36
Mean y −12.48
Std Dev x 122.5
Std Dev y 95.8
Integral 1.213e+04
0 0 0
0 12130 0
0 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
15
10
5
0

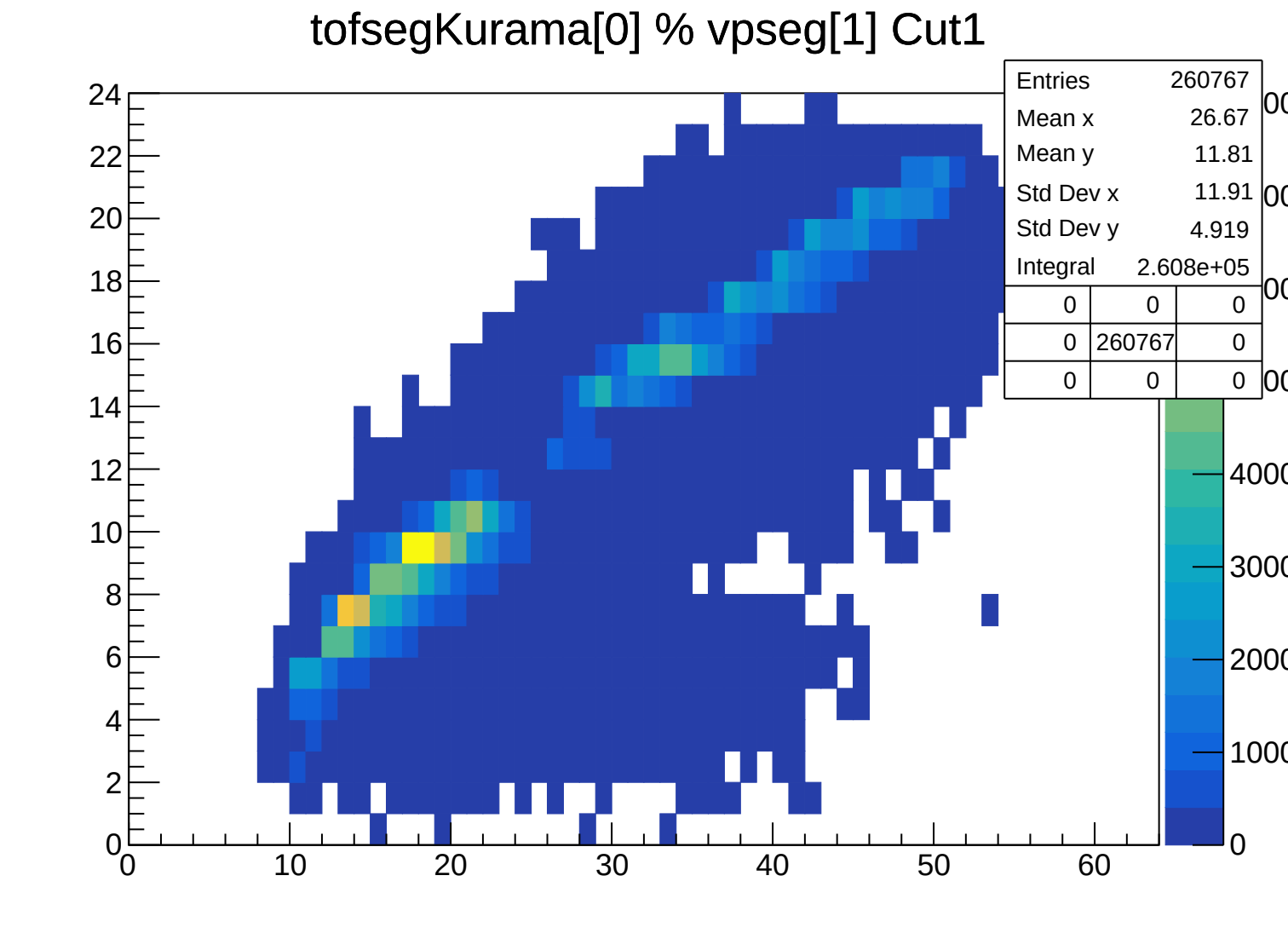

TofSeg[0] % vpseg[1]
Entries 799552
Mean x 23.39
Mean y 9.507
Std Dev x 12.26
Std Dev y 4.889
Integral 7.253e+05
0 0 0
109 725337 34
74072 0 0
24
22
20
18
16
14
12
10
8
6
4
2
0
0
10
20
30
40
50
60
6000
4000
2000
0

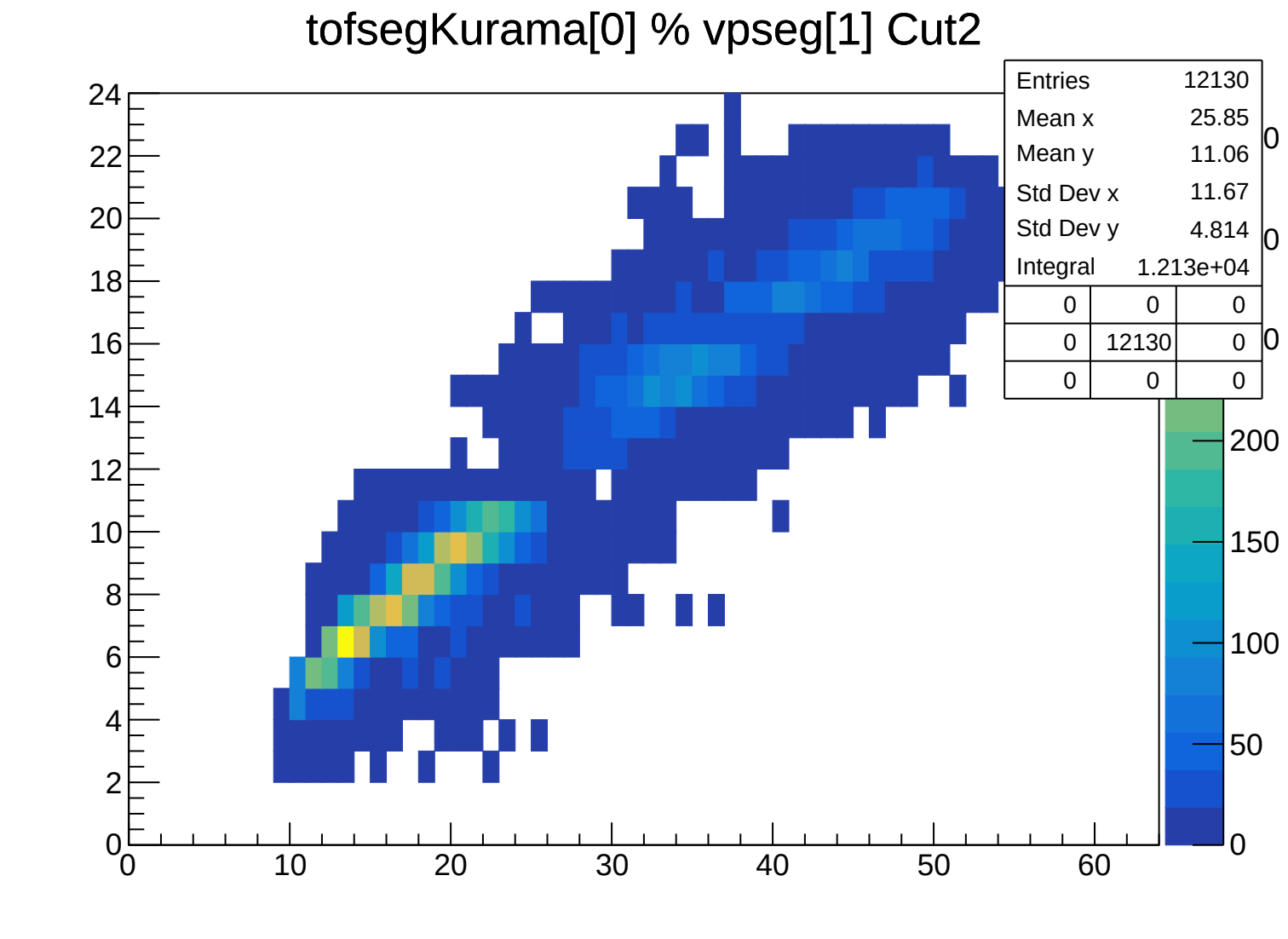

TofSeg[0] % vpseg[1] Cut1
Entries 260767
Mean x 26.67
Mean y 11.12
Std Dev x 11.91
Std Dev y 4.728
Integral 2.608e+05
0 0 0
0 260767 0
0 0 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60
0 1000 2000 3000 4000

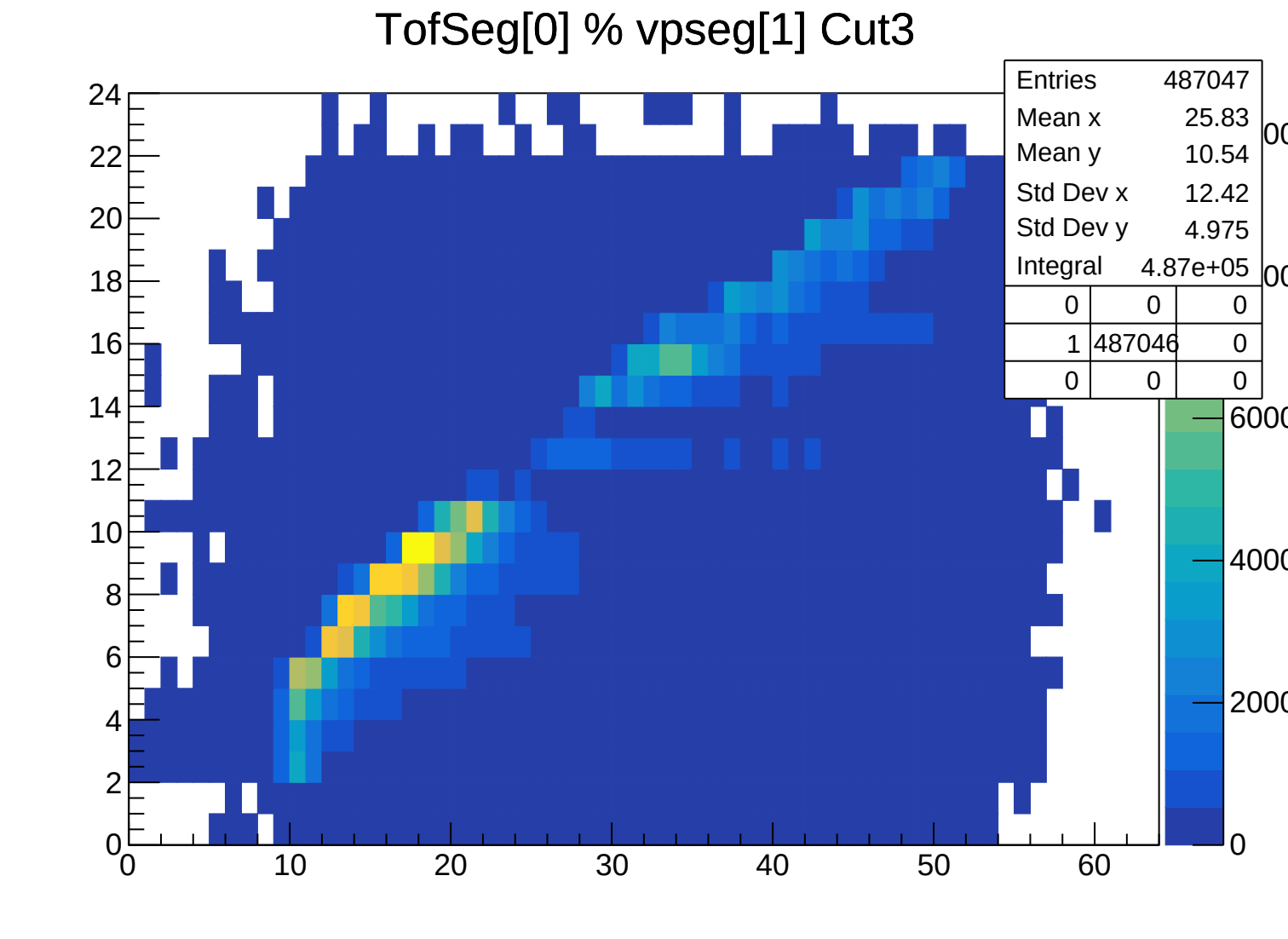

TofSeg[0] % vpseg[1] Cut2
Entries 12130
Mean x 25.85
Mean y 10.27
Std Dev x 11.67
Std Dev y 4.501
Integral 1.213e+04
0 0 0
0 12130 0
0 0 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60
0 50 100 150 200

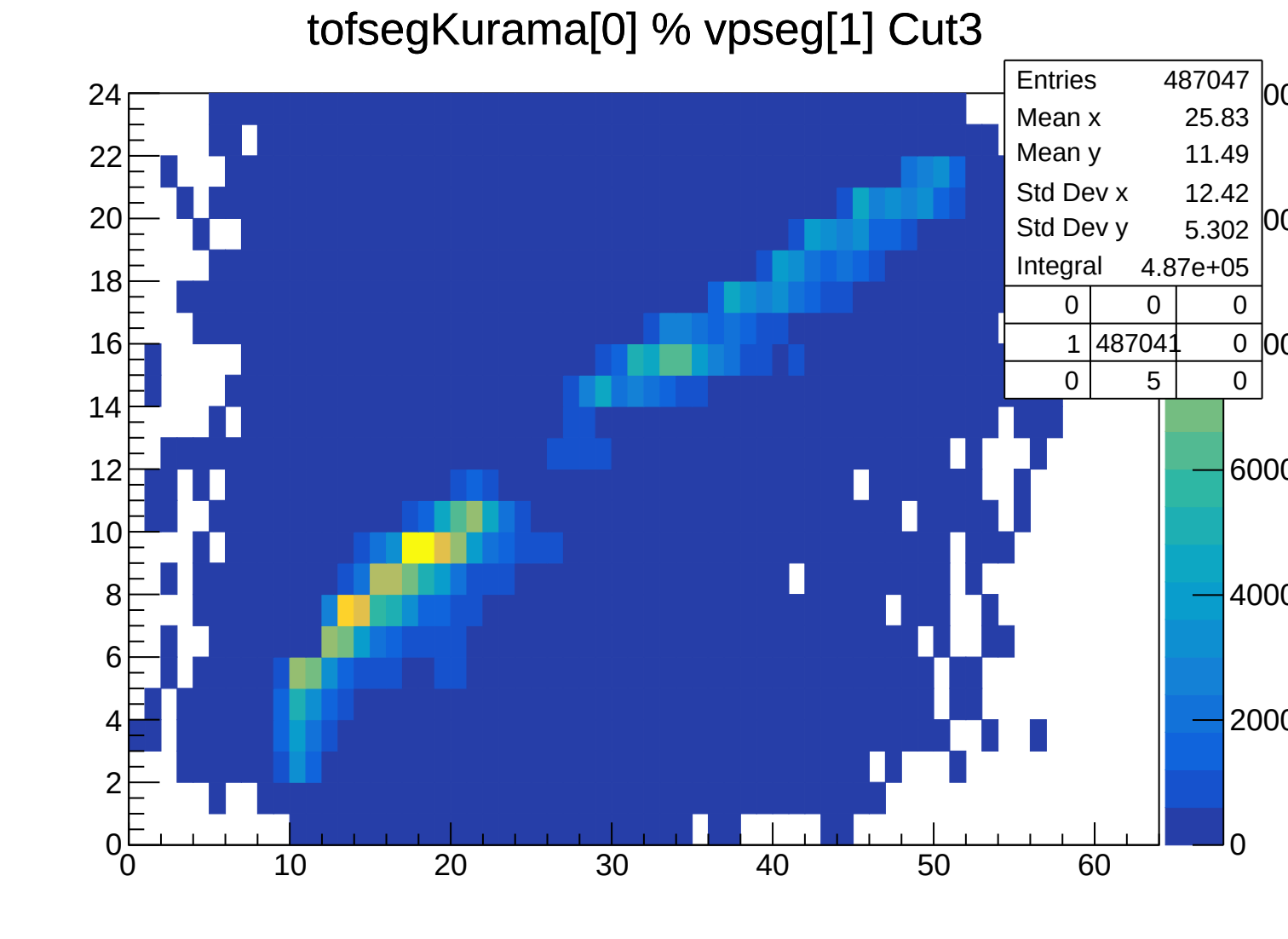

Sch Position by HitSegment % vpx[1]
Entries 1020342
Mean x −97.29
Mean y −65.28
Std Dev x 147.3
Std Dev y 130
Integral 9.247e+05
0 9 0
0 924690 0
95643 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
8000
6000
4000
2000
0

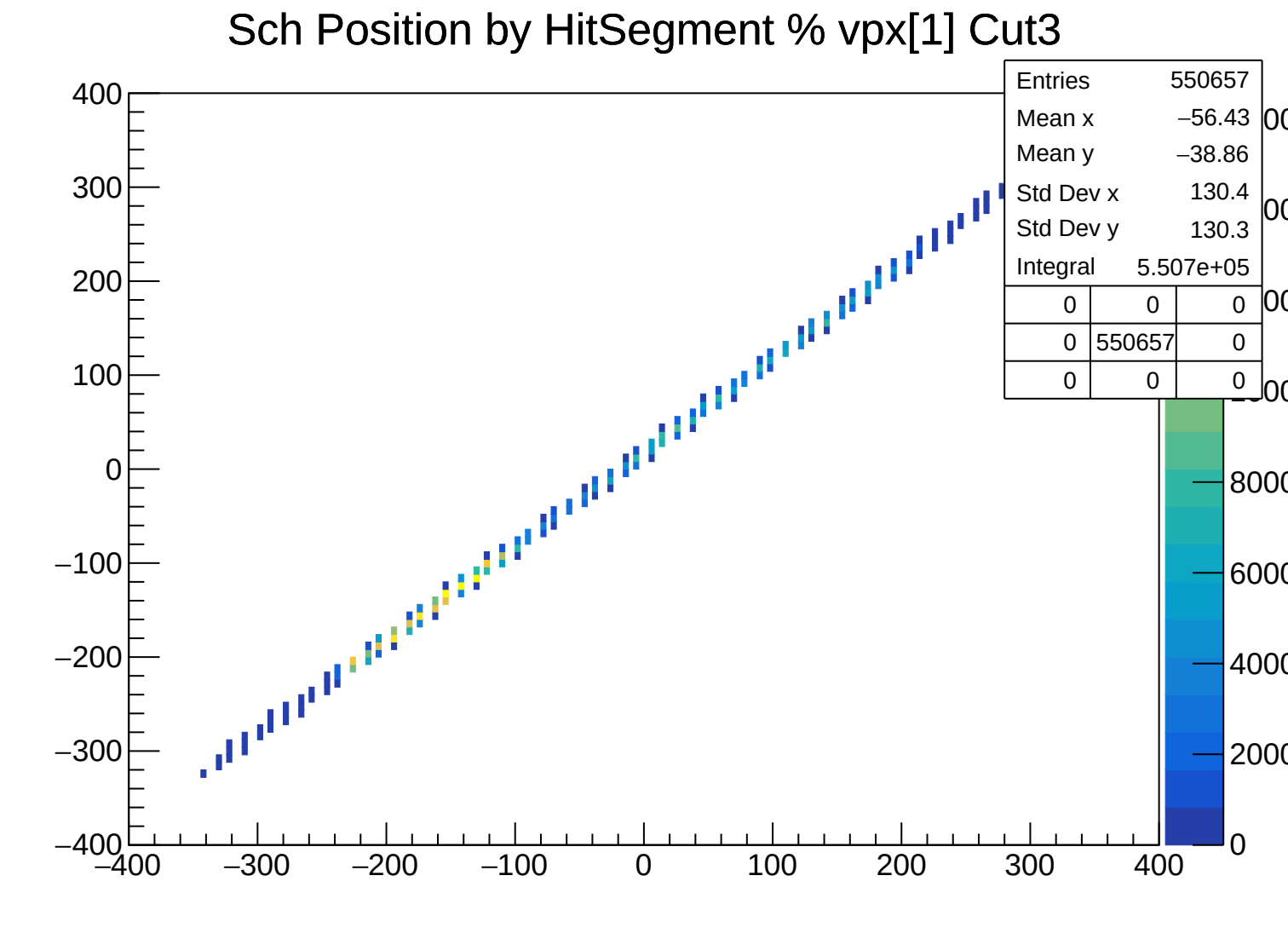

tofsegKurama[0] % vpseg[1]
Entries 799552
Mean x 23.39
Mean y 11.1
Std Dev x 12.26
Std Dev y 5.653
Integral 7.253e+05
0 0 0
98 725311 34
74083 26 0
24
22
20
18
16
14
12
10
8
6
4
2
0
0
10
20
30
40
50
60
6000
4000
2000
0

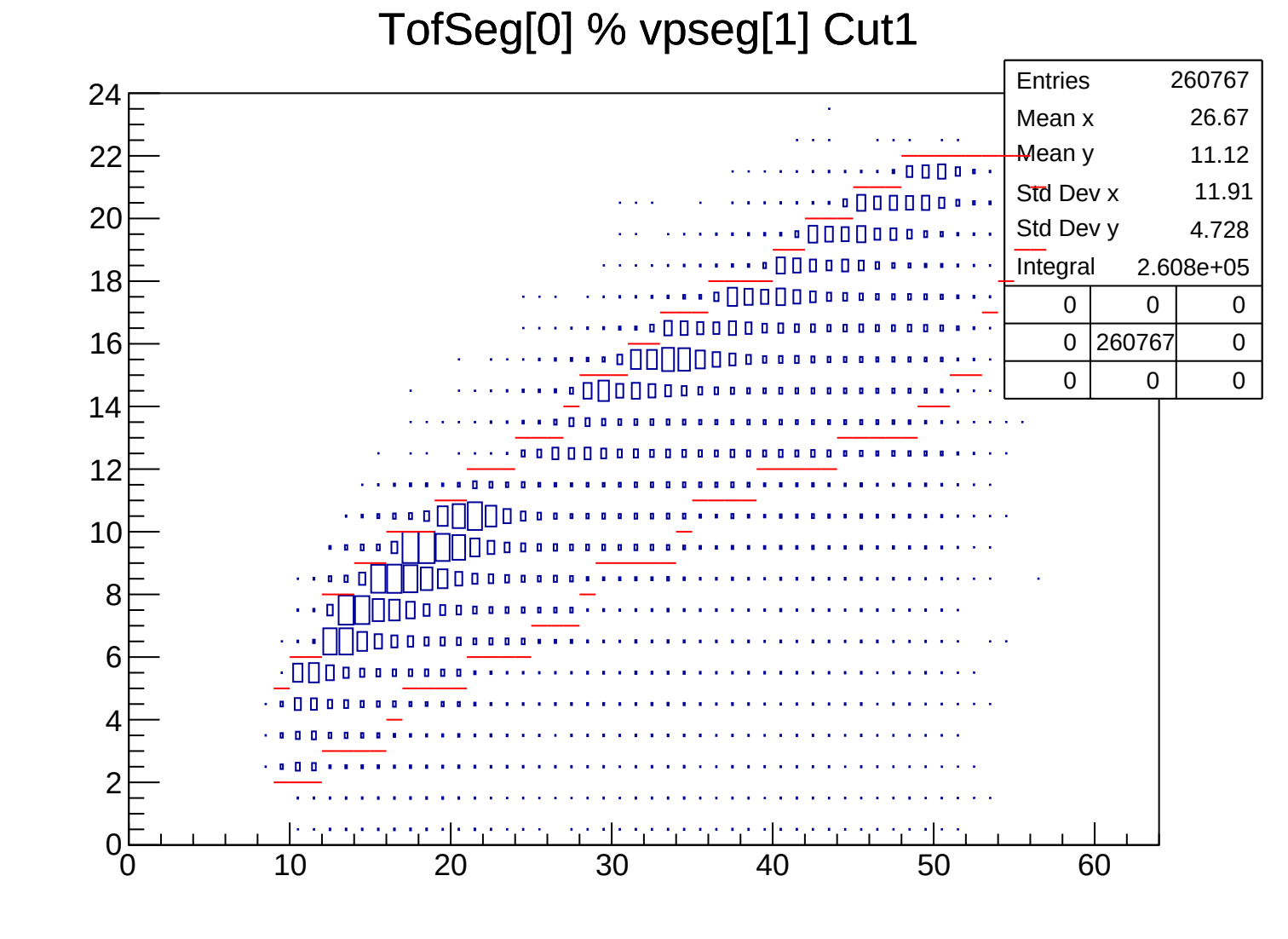

tofsegKurama[0] % vpseg[1] Cut1
Entries 260767
Mean x 26.67
Mean y 11.81
Std Dev x 11.91
Std Dev y 4.919
Integral 2.608e+05
0 0 0
0 260767 0
0 0 0
24
22
20
18
16
14
12
10
8
6
4
2
0
0
10
20
30
40
50
60
4000
3000
2000
1000
0

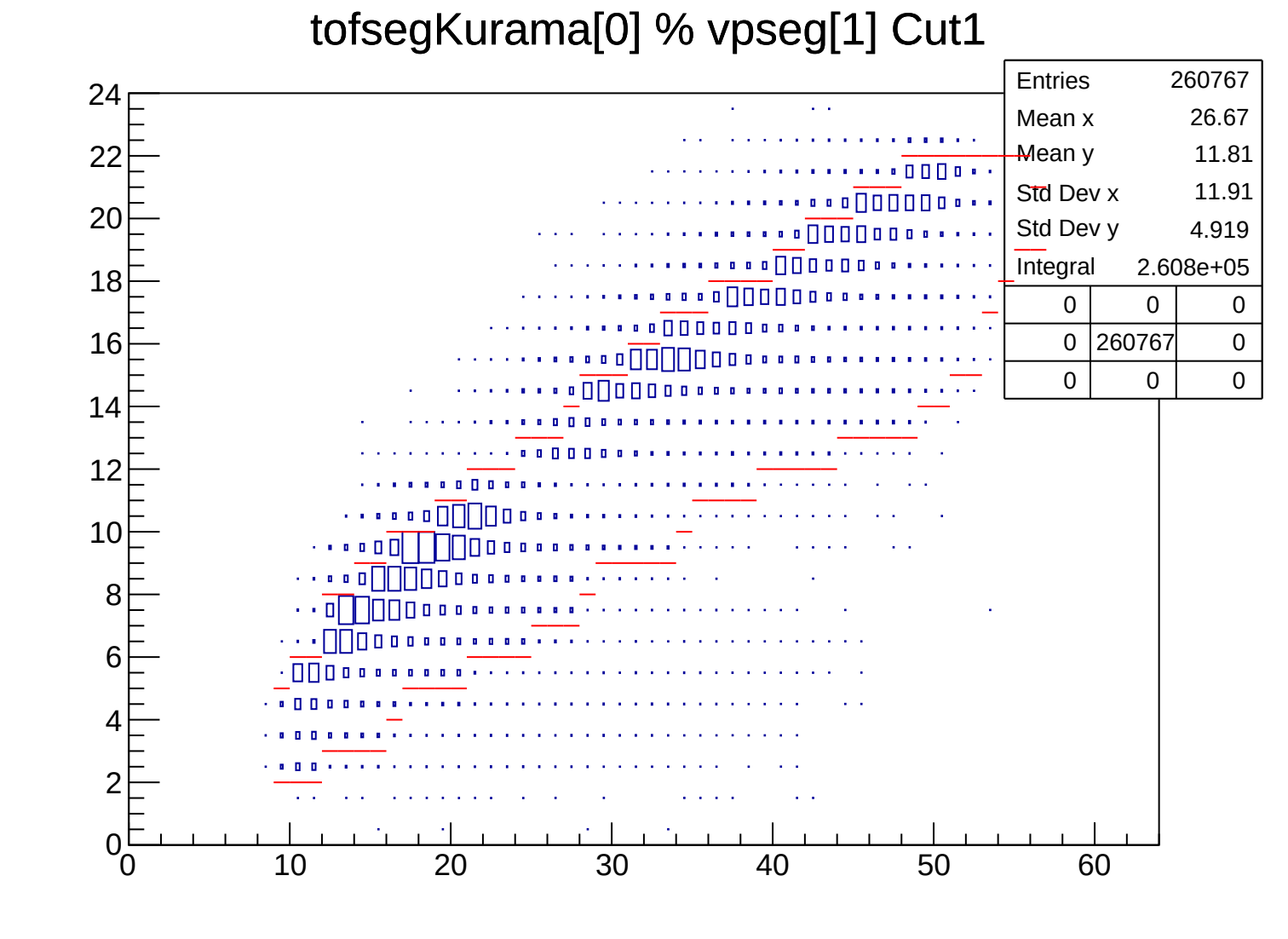

tofsegKurama[0] % vpseg[1] Cut2
Entries 12130
Mean x 25.85
Mean y 11.06
Std Dev x 11.67
Std Dev y 4.814
Integral 1.213e+04
0 0 0
0 12130 0
0 0 0
0 10 20 30 40 50 60
0 2 4 6 8 10 12 14 16 18 20 22 24
0 50 100 150 200

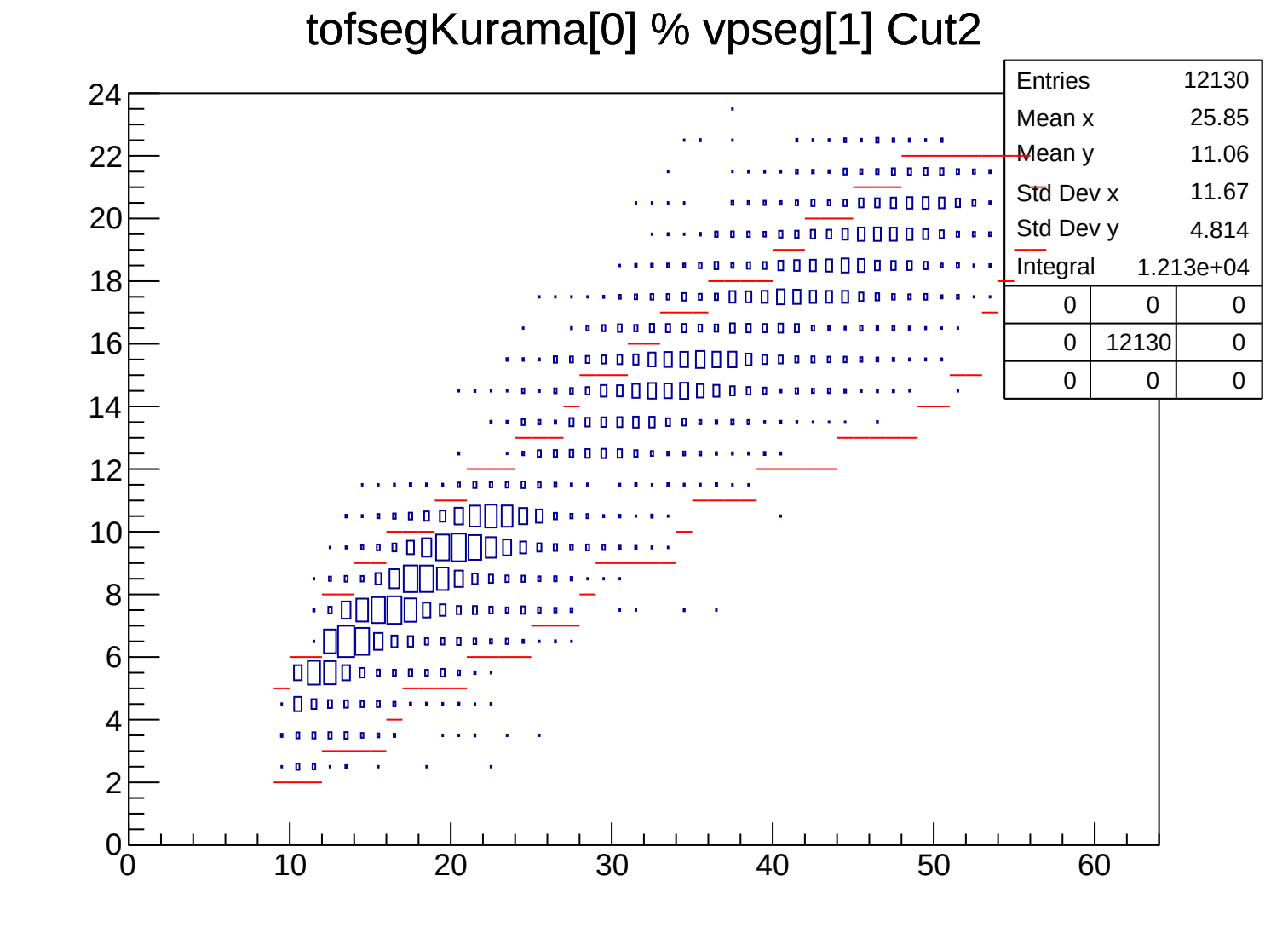

TofSeg[0] % vpseg[1] Cut3
Entries 487047
Mean x 25.83
Mean y 10.54
Std Dev x 12.42
Std Dev y 4.975
Integral 4.87e+05
0 0 0
1 487046 0
0 0 0
24
22
20
18
16
14
12
10
8
6
4
2
0
0
10
20
30
40
50
60
6000
4000
2000
0

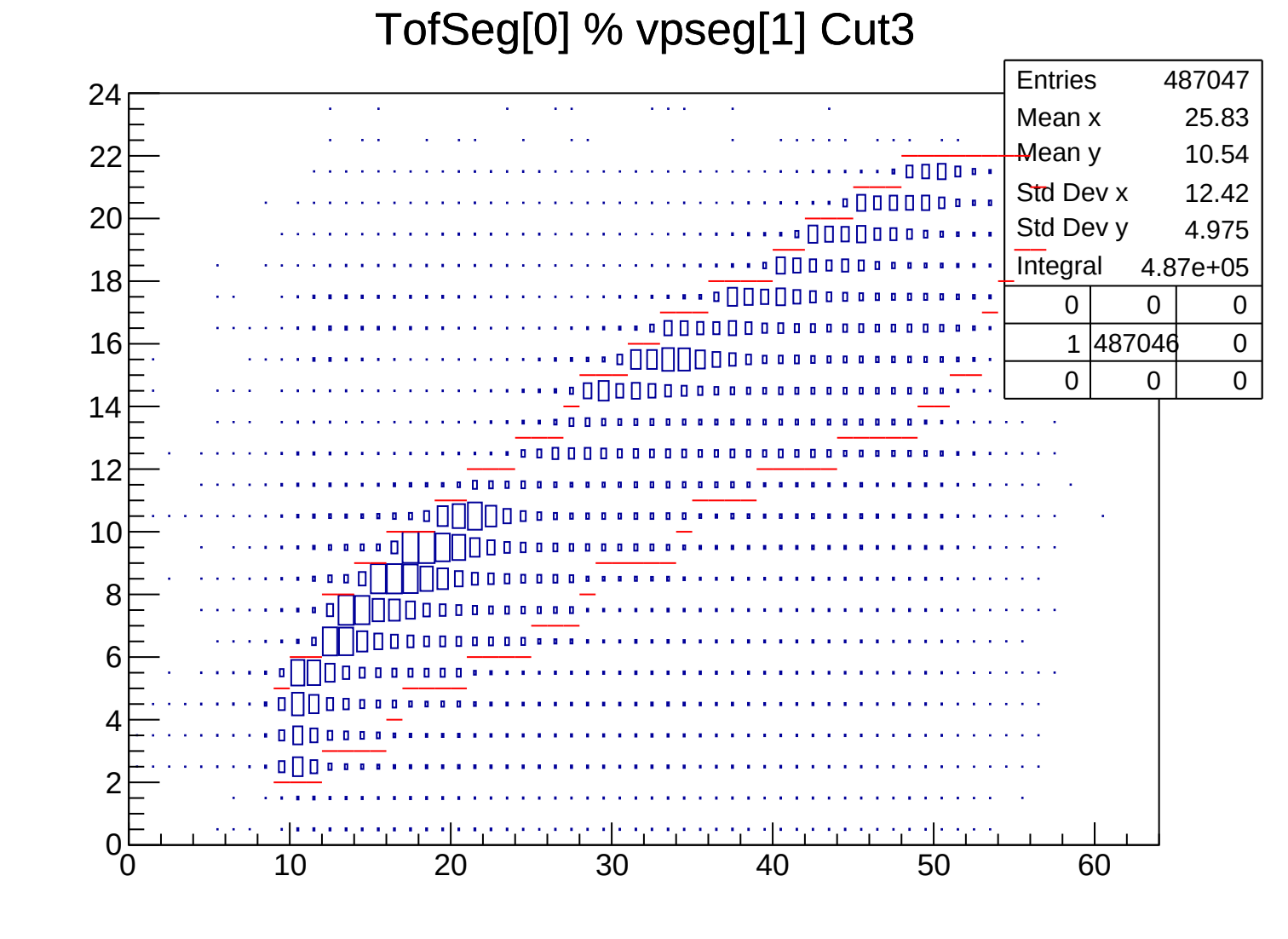

tofsegKurama[0] % vpseg[1] Cut3
Entries 487047
Mean x 25.83
Mean y 11.49
Std Dev x 12.42
Std Dev y 5.302
Integral 4.87e+05
0 0 0
1 487041 0
0 5 0
24
22
20
18
16
14
12
10
8
6
4
2
0
0
10
20
30
40
50
60
6000
4000
2000
0


Sch Position by HitSegment % vpx[1] Cut3
Entries 550657
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 550657 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


TofSeg[0] % vpseg[1] Cut1
Entries 260767
Mean x 26.67
Mean y 11.12
Std Dev x 11.91
Std Dev y 4.728
Integral 2.608e+05
0 0 0
0 260767 0
0 0 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60


tofsegKurama[0] % vpseg[1] Cut1
Entries 260767
Mean x 26.67
Mean y 11.81
Std Dev x 11.91
Std Dev y 4.919
Integral 2.608e+05
0 0 0
0 260767 0
0 0 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60


tofsegKurama[0] % vpseg[1] Cut2
Entries 12130
Mean x 25.85
Mean y 11.06
Std Dev x 11.67
Std Dev y 4.814
Integral 1.213e+04
0 0 0
0 12130 0
0 0 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60


TofSeg[0] % vpseg[1] Cut3
Entries 487047
Mean x 25.83
Mean y 10.54
Std Dev x 12.42
Std Dev y 4.975
Integral 4.87e+05
0 0 0
1 487046 0
0 0 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60