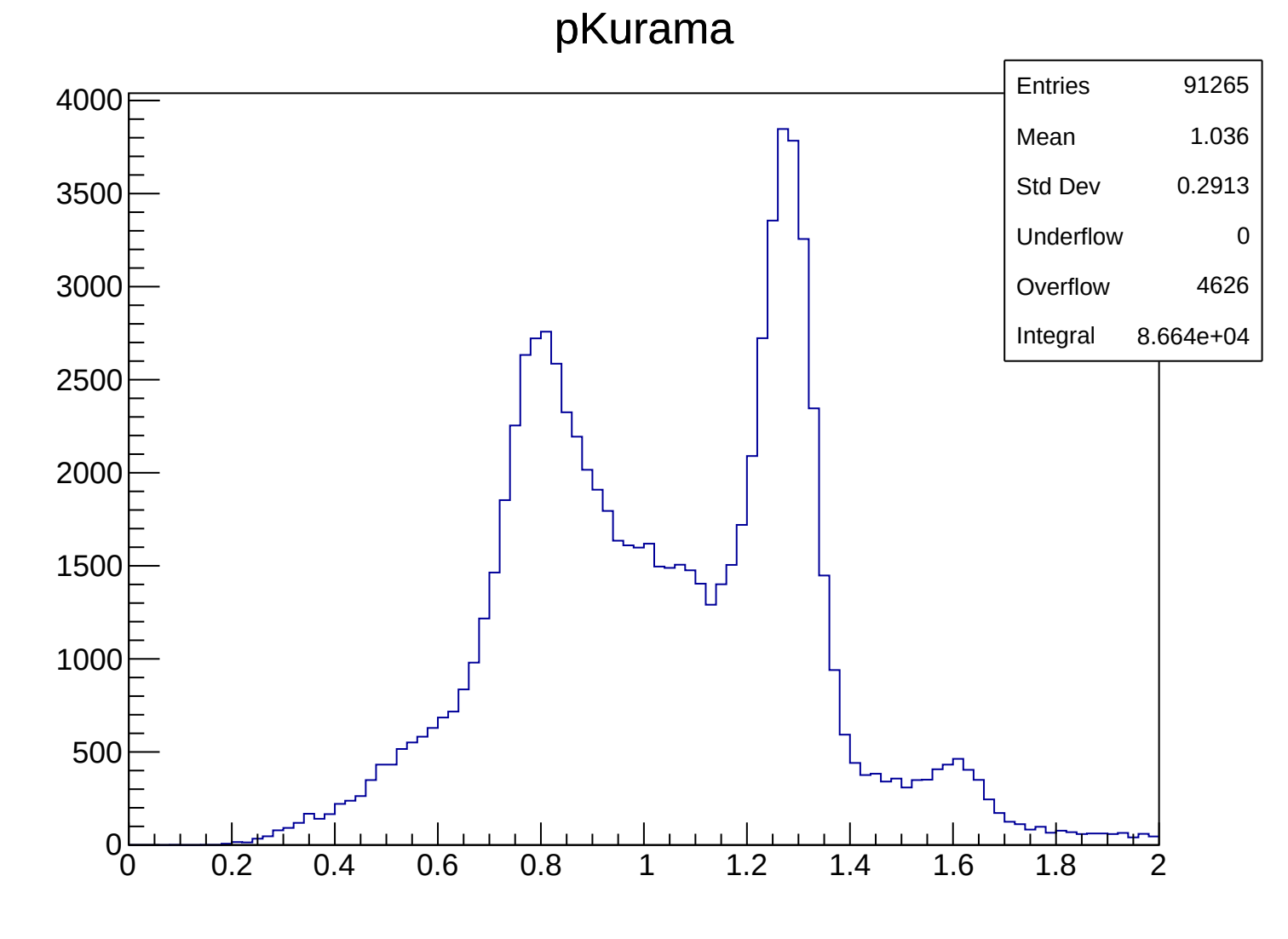
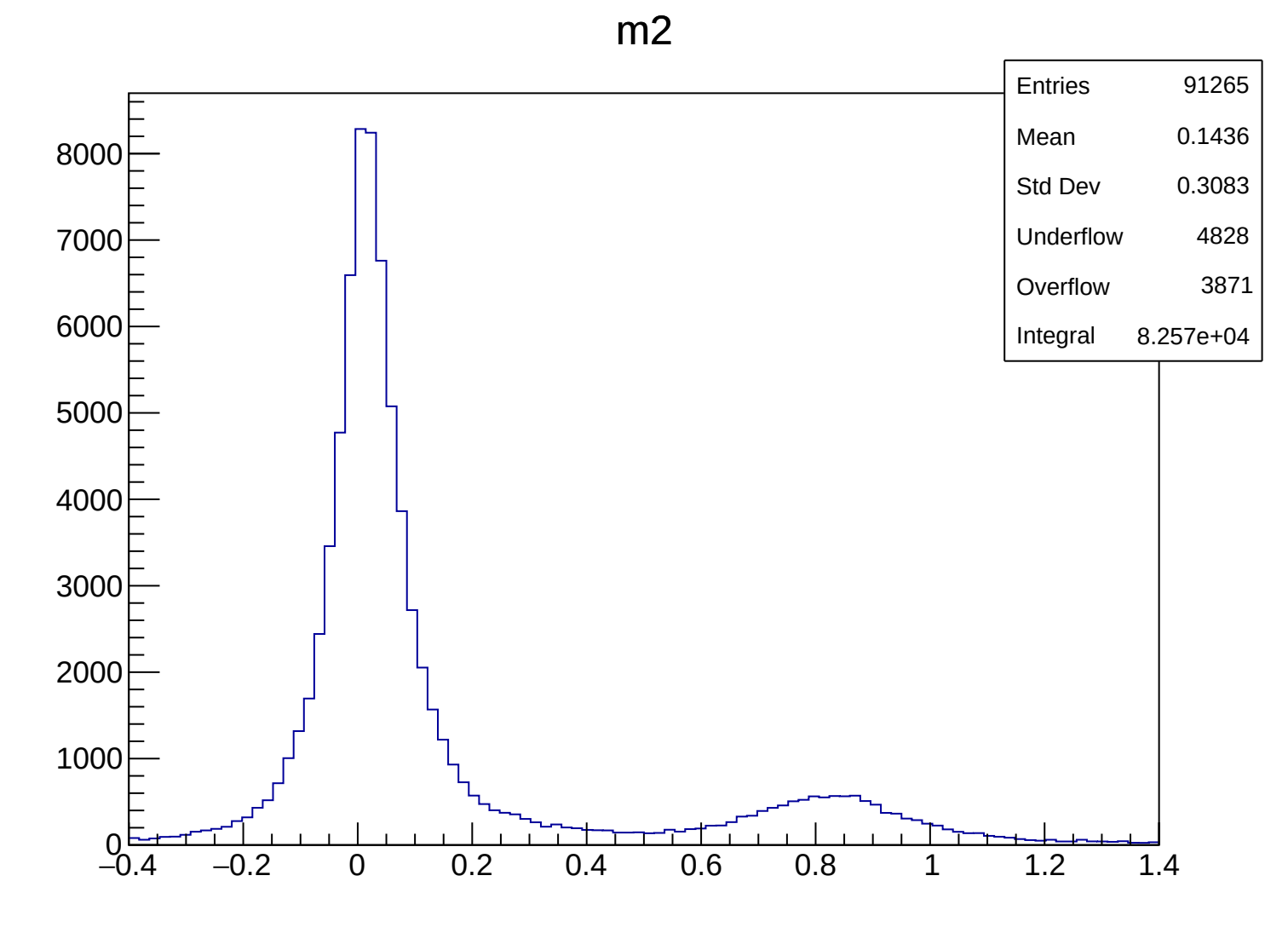
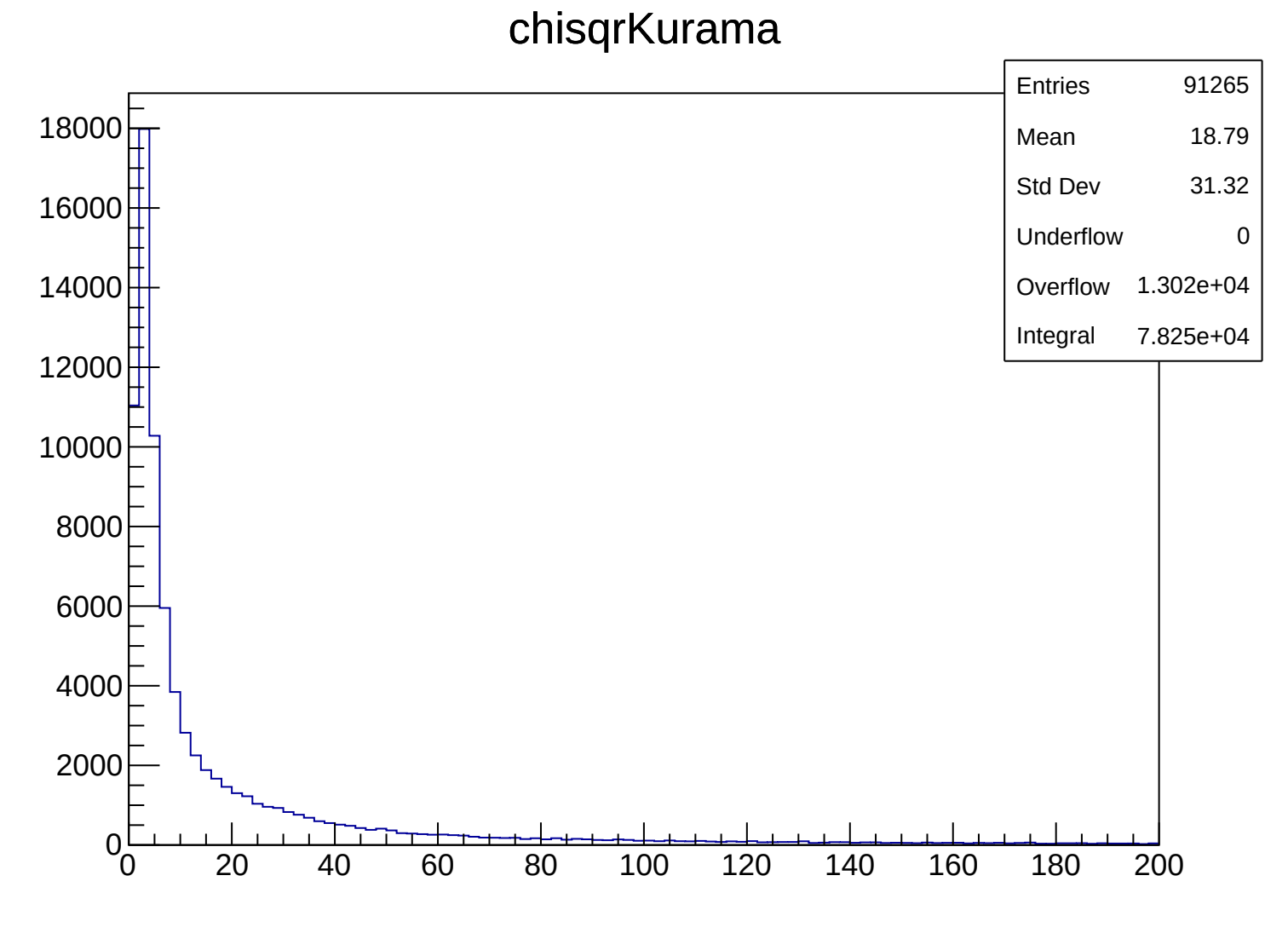
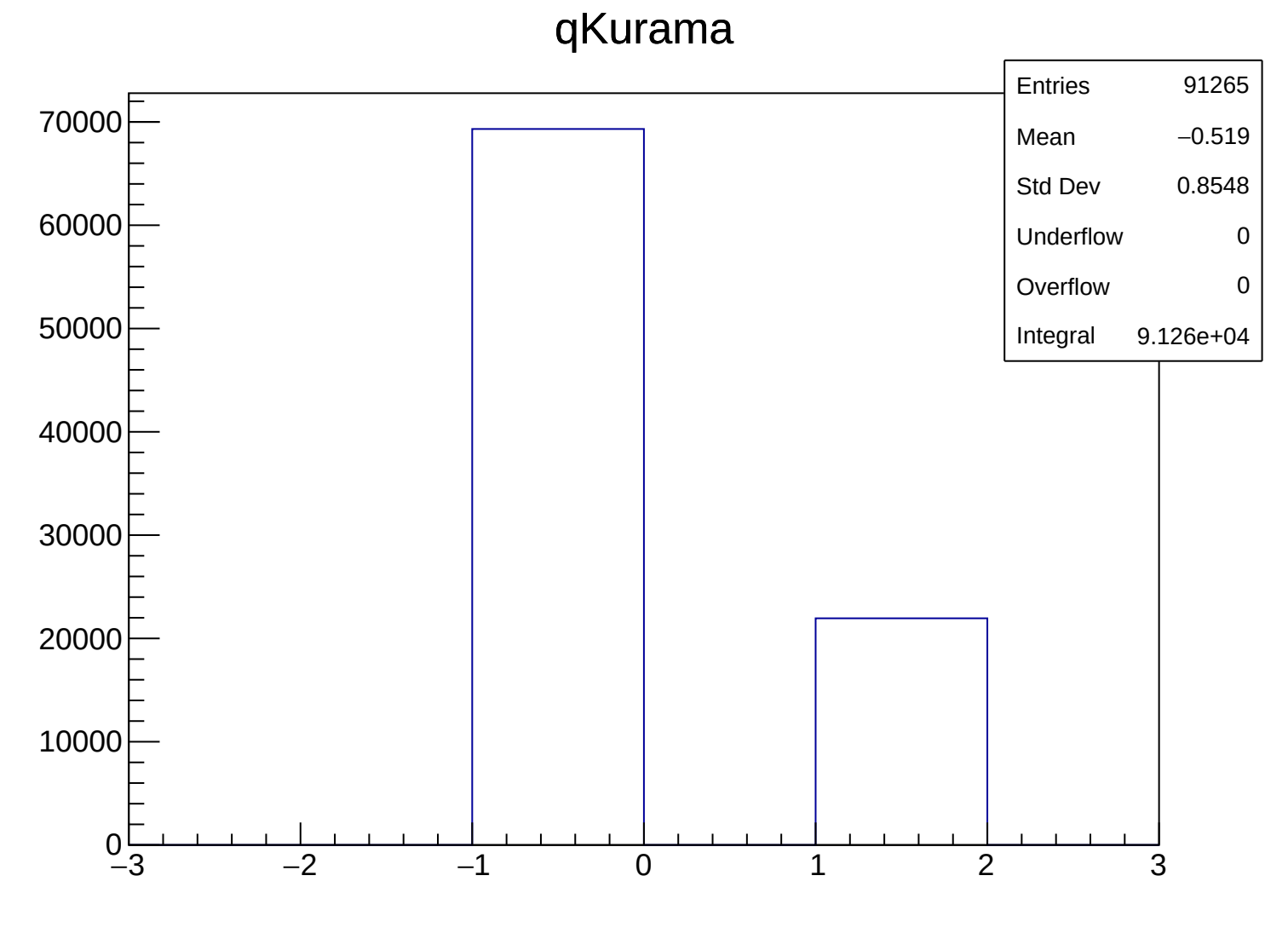
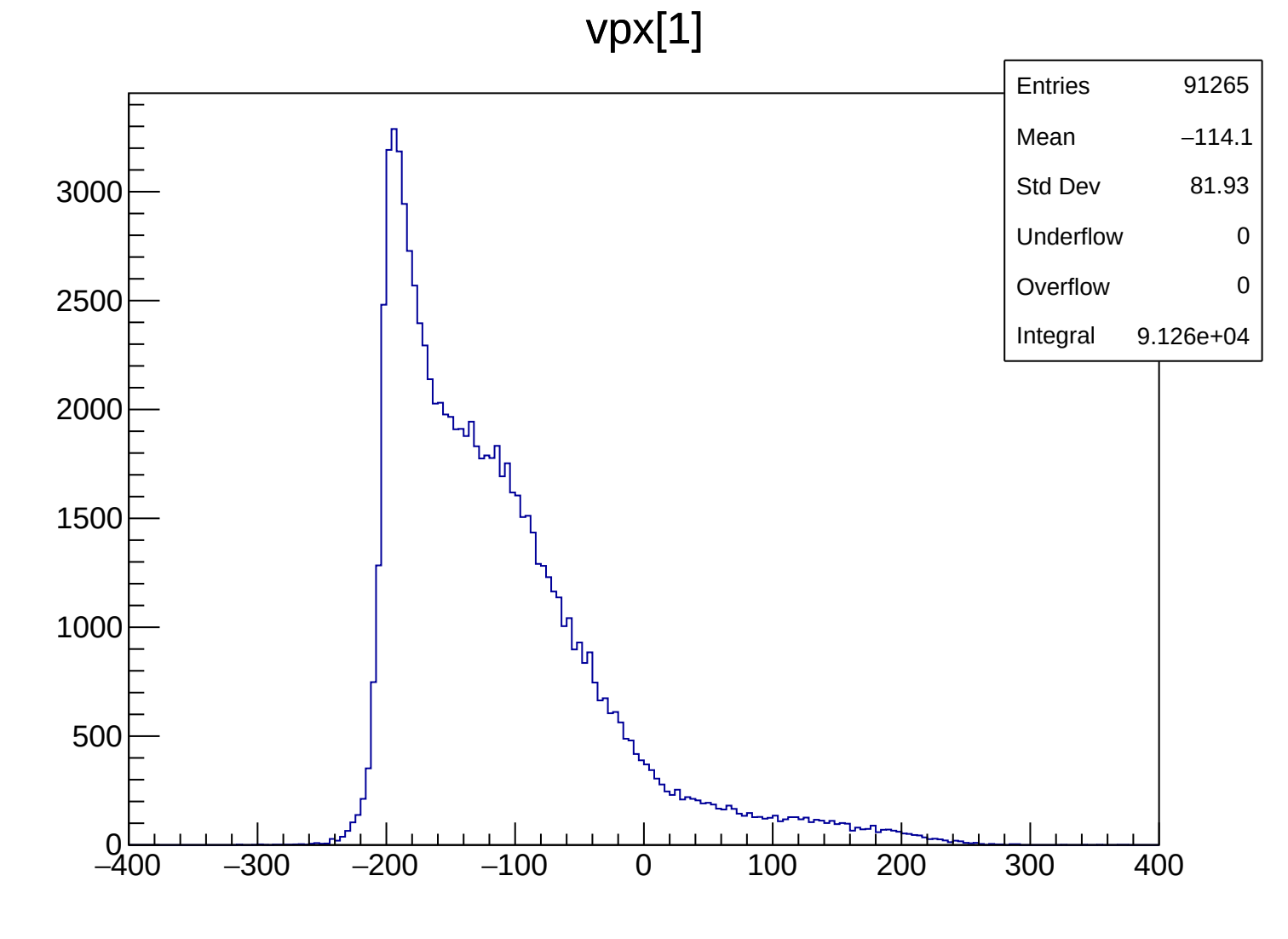
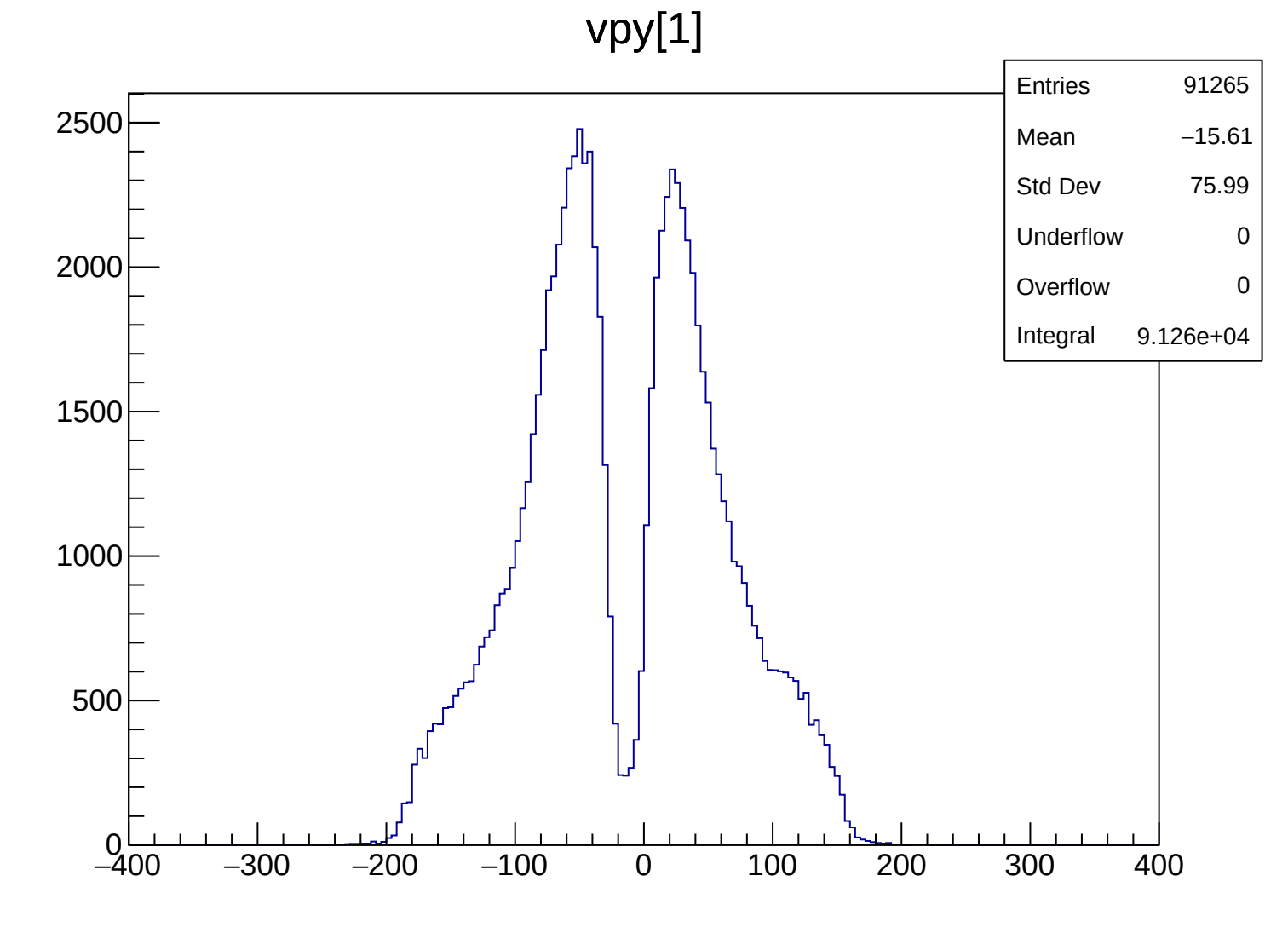

pKurama
Entries 91265
Mean 1.036
Std Dev 0.2913
Underflow 0
Overflow 4626
Integral 8.664e+04
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

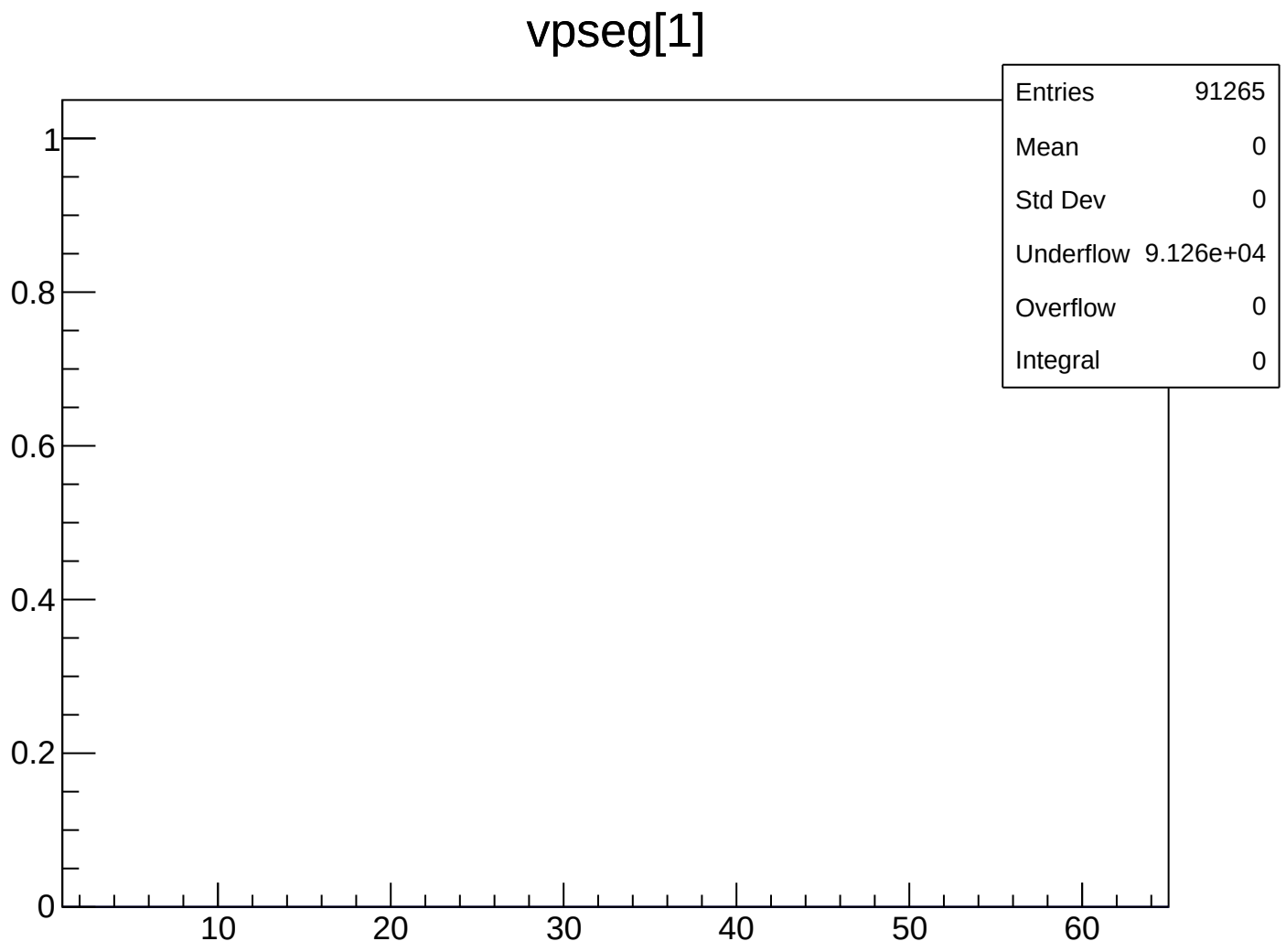

m2
Entries 91265
Mean 0.1436
Std Dev 0.3083
Underflow 4828
Overflow 3871
Integral 8.257e+04
8000
7000
6000
5000
4000
3000
2000
1000
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

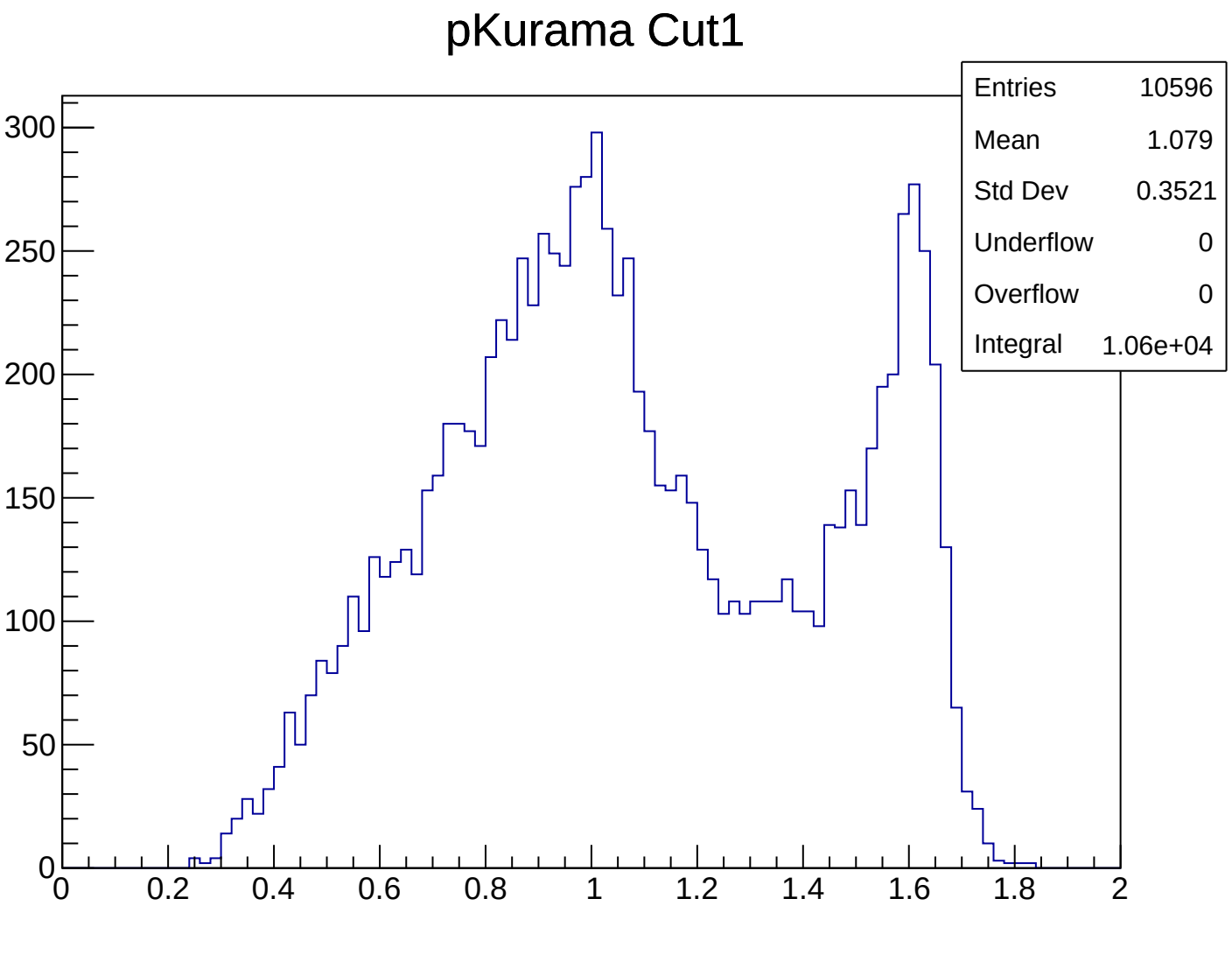

chisqrKurama
Entries 91265
Mean 18.79
Std Dev 31.32
Underflow 0
Overflow 1.302e+04
Integral 7.825e+04
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
200

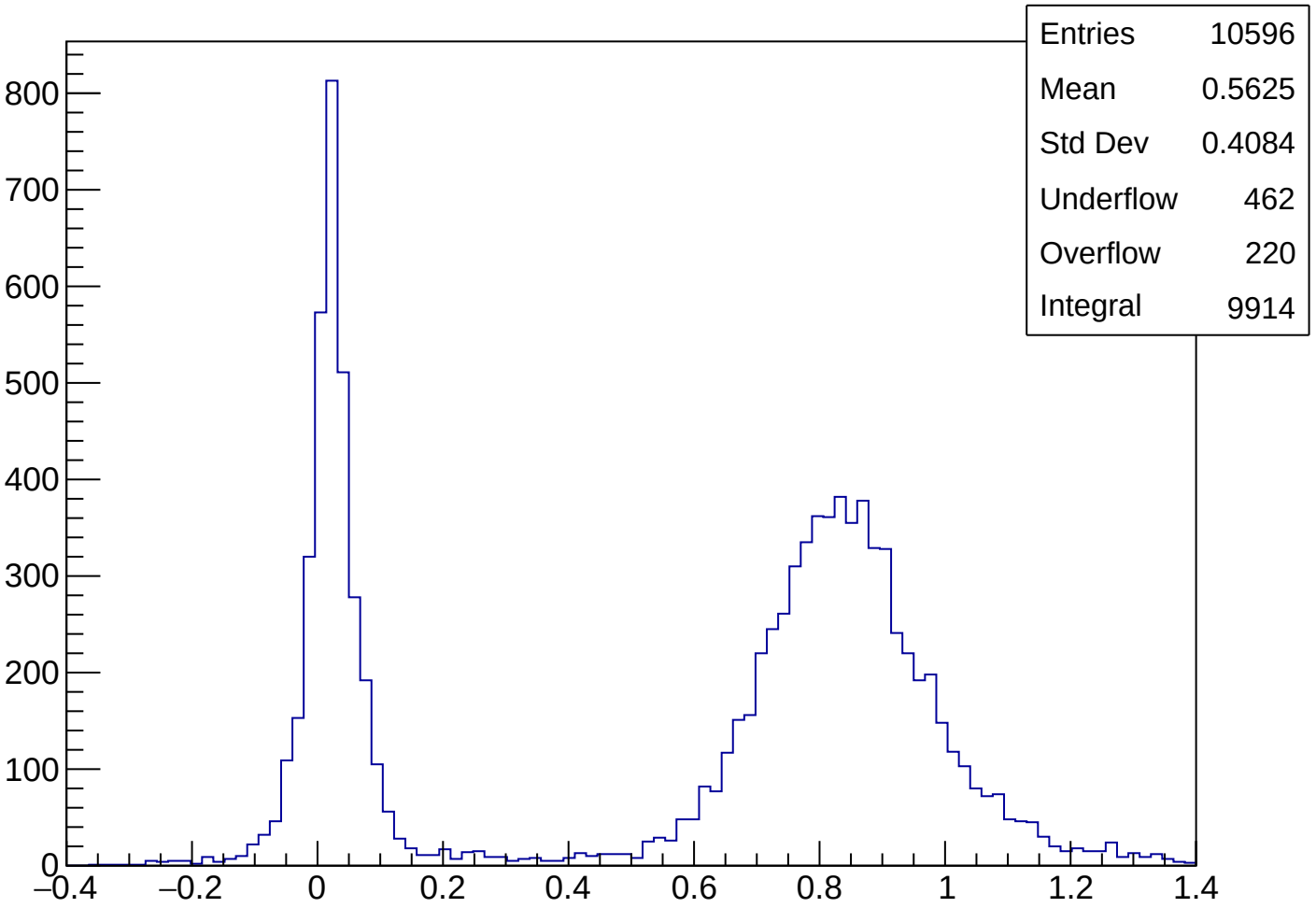

qKurama
Entries 91265
Mean −0.519
Std Dev 0.8548
Underflow 0
Overflow 0
Integral 9.126e+04
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3

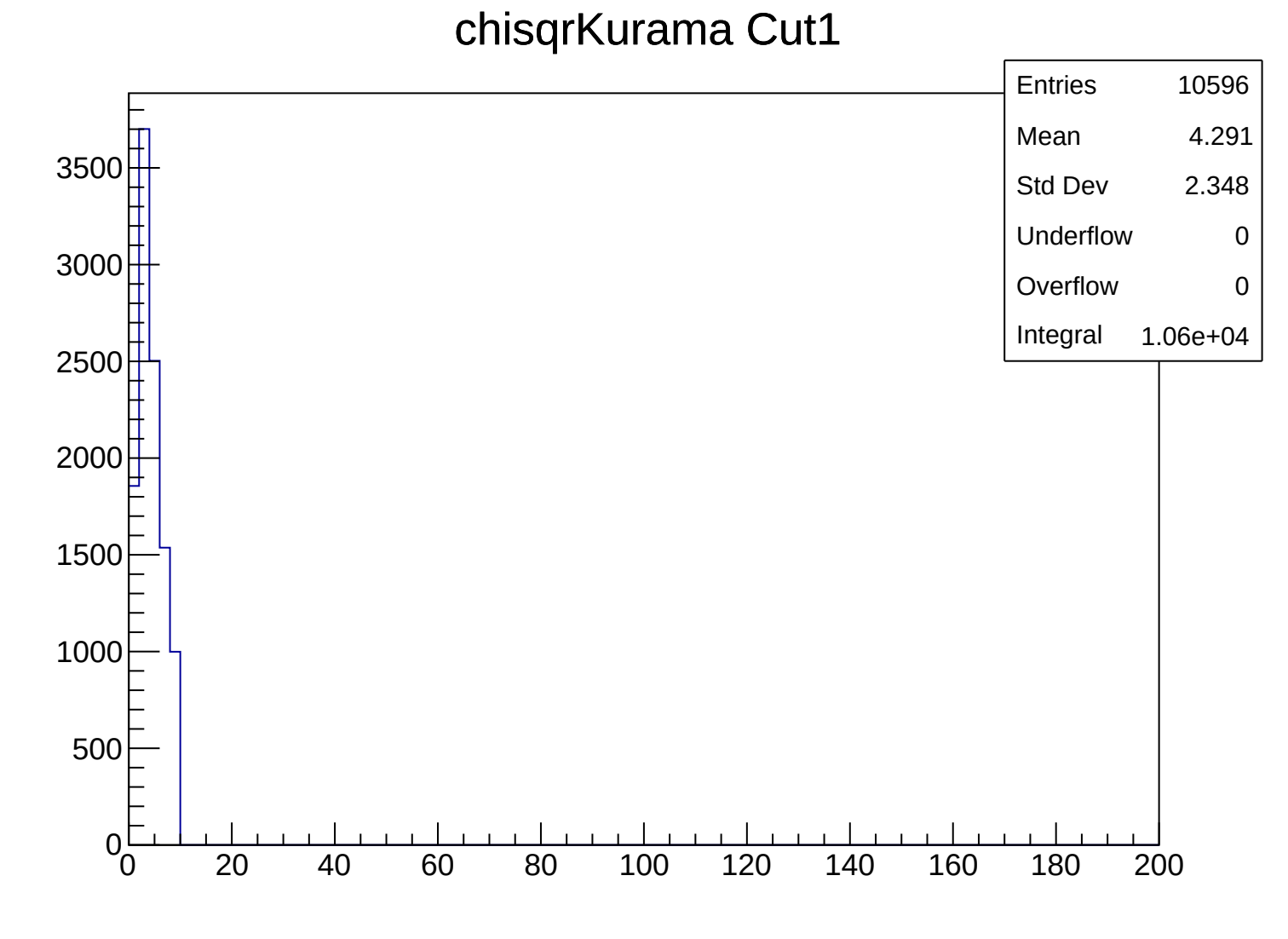

vpx[1]
Entries 91265
Mean –114.1
Std Dev 81.93
Underflow 0
Overflow 0
Integral 9.126e+04
3000
2500
2000
1500
1000
500
0
–400
–300
–200
–100
0
100
200
300
400

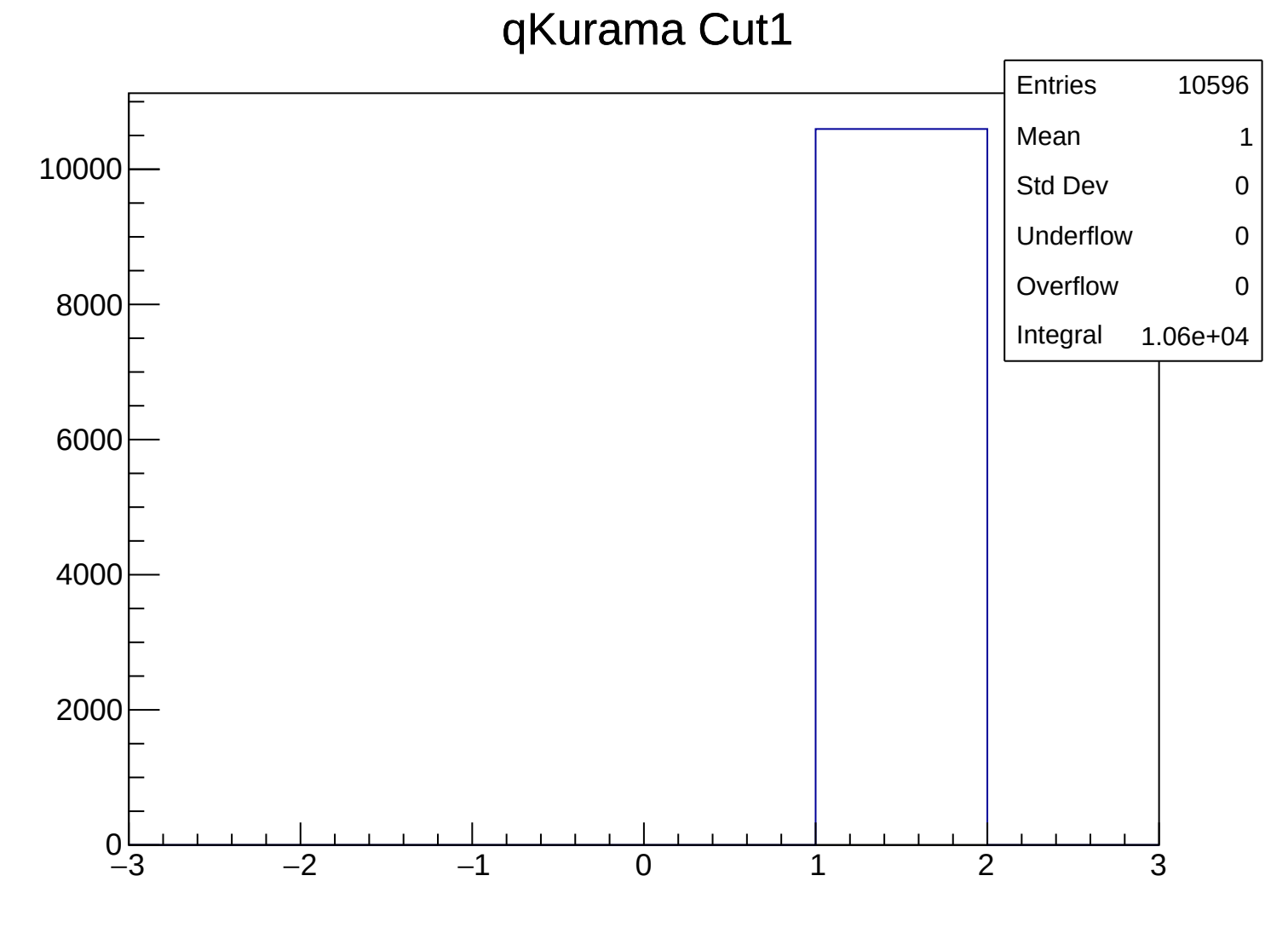

vpy[1]
Entries 91265
Mean –15.61
Std Dev 75.99
Underflow 0
Overflow 0
Integral 9.126e+04
2500
2000
1500
1000
500
0
–400
–300
–200
–100
0
100
200
300
400

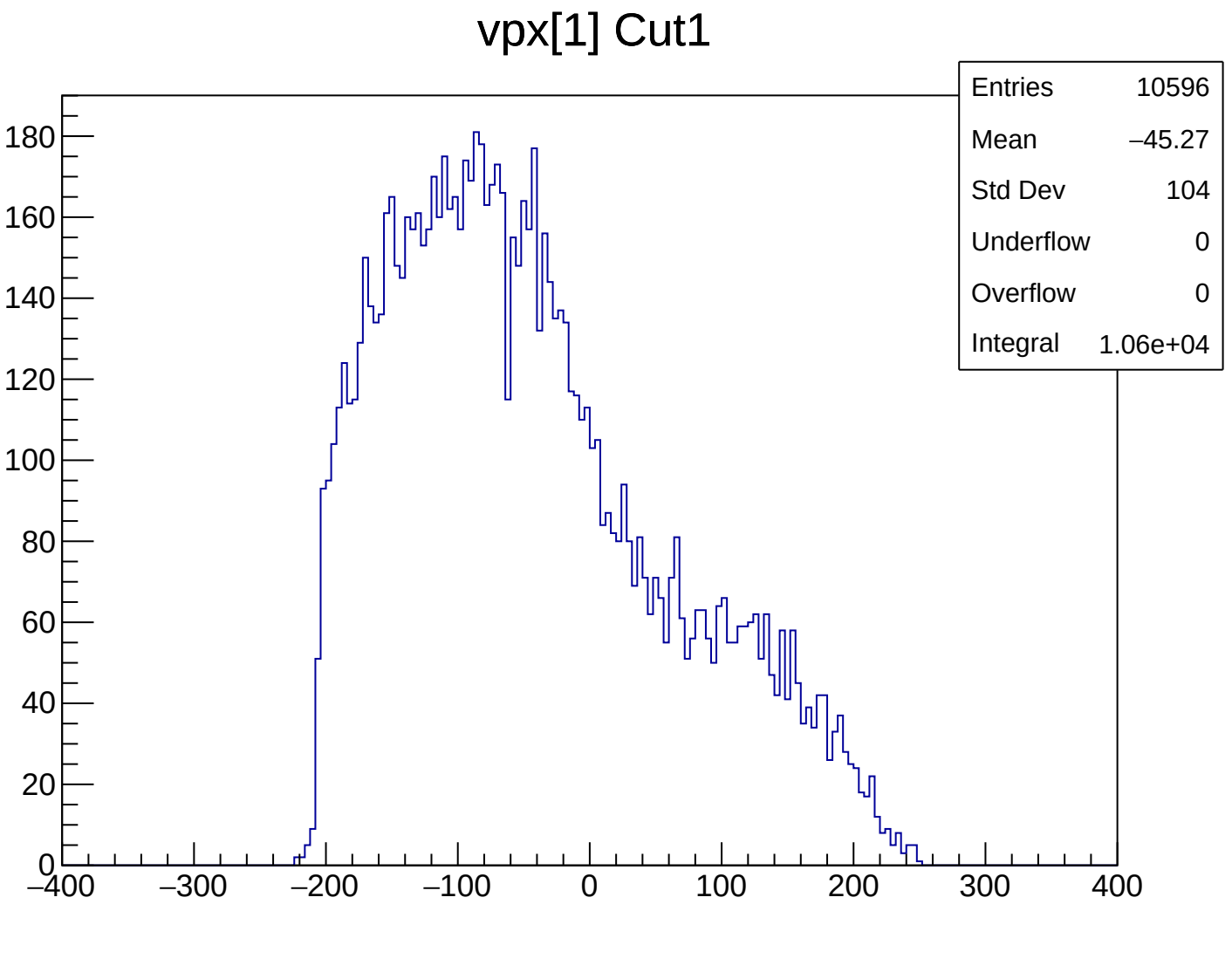

vpseg[1]
Entries 91265
Mean 0
Std Dev 0
Underflow 9.126e+04
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
10
20
30
40
50
60

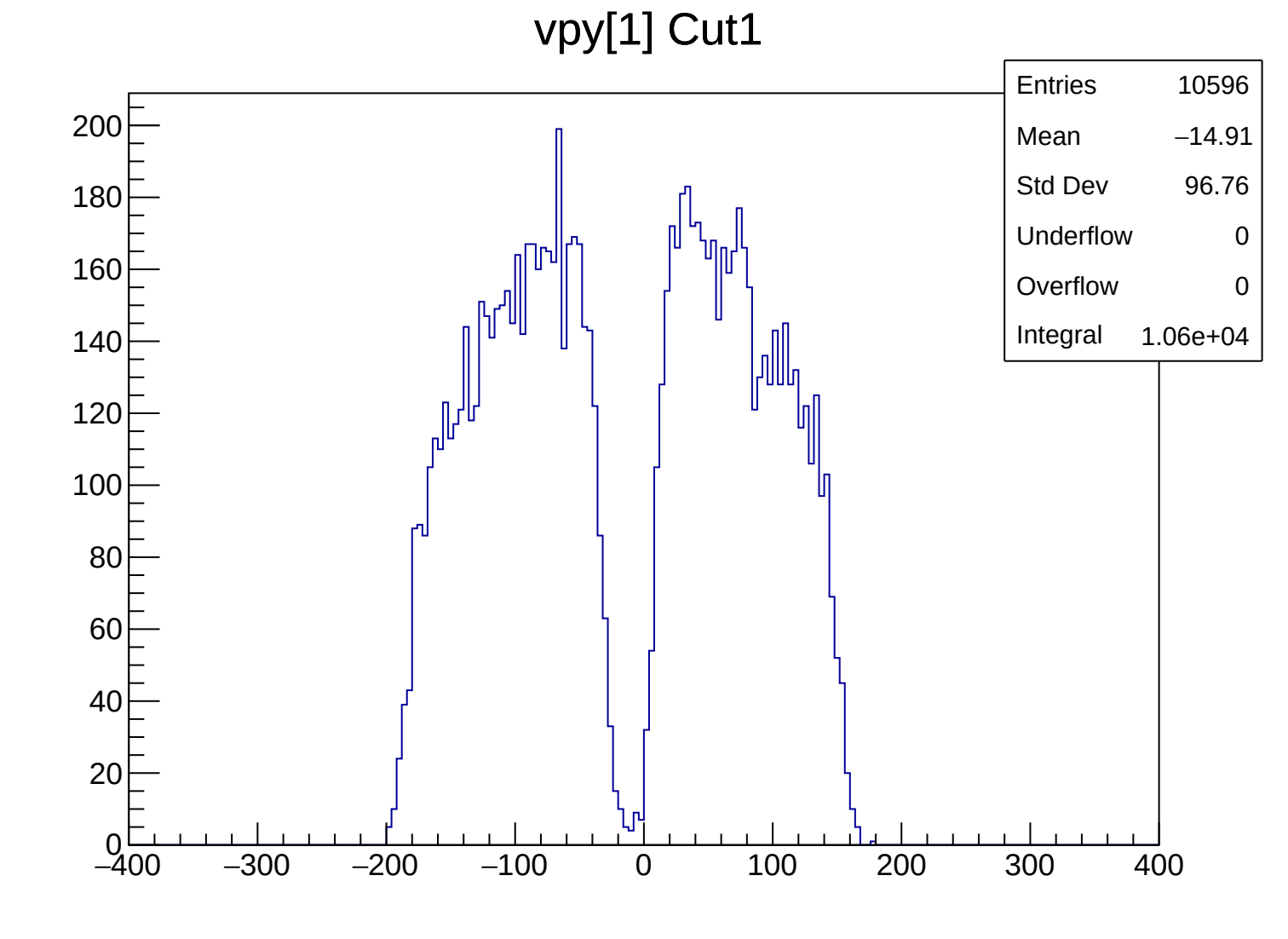

pKurama Cut1
Entries 10596
Mean 1.079
Std Dev 0.3521
Underflow 0
Overflow 0
Integral 1.06e+04
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

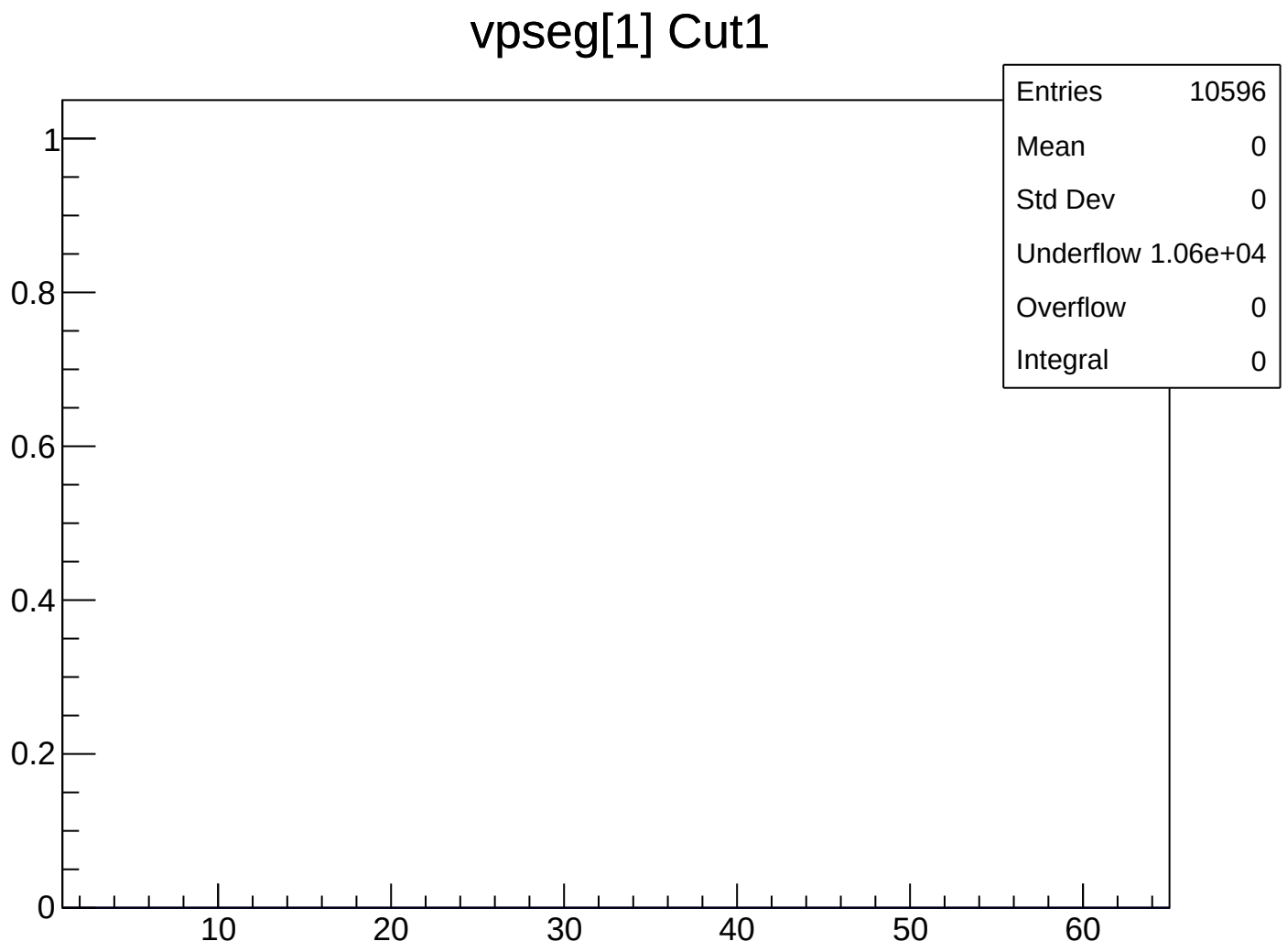

m2 Cut1
Entries 10596
Mean 0.5625
Std Dev 0.4084
Underflow 462
Overflow 220
Integral 9914
800
700
600
500
400
300
200
100
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

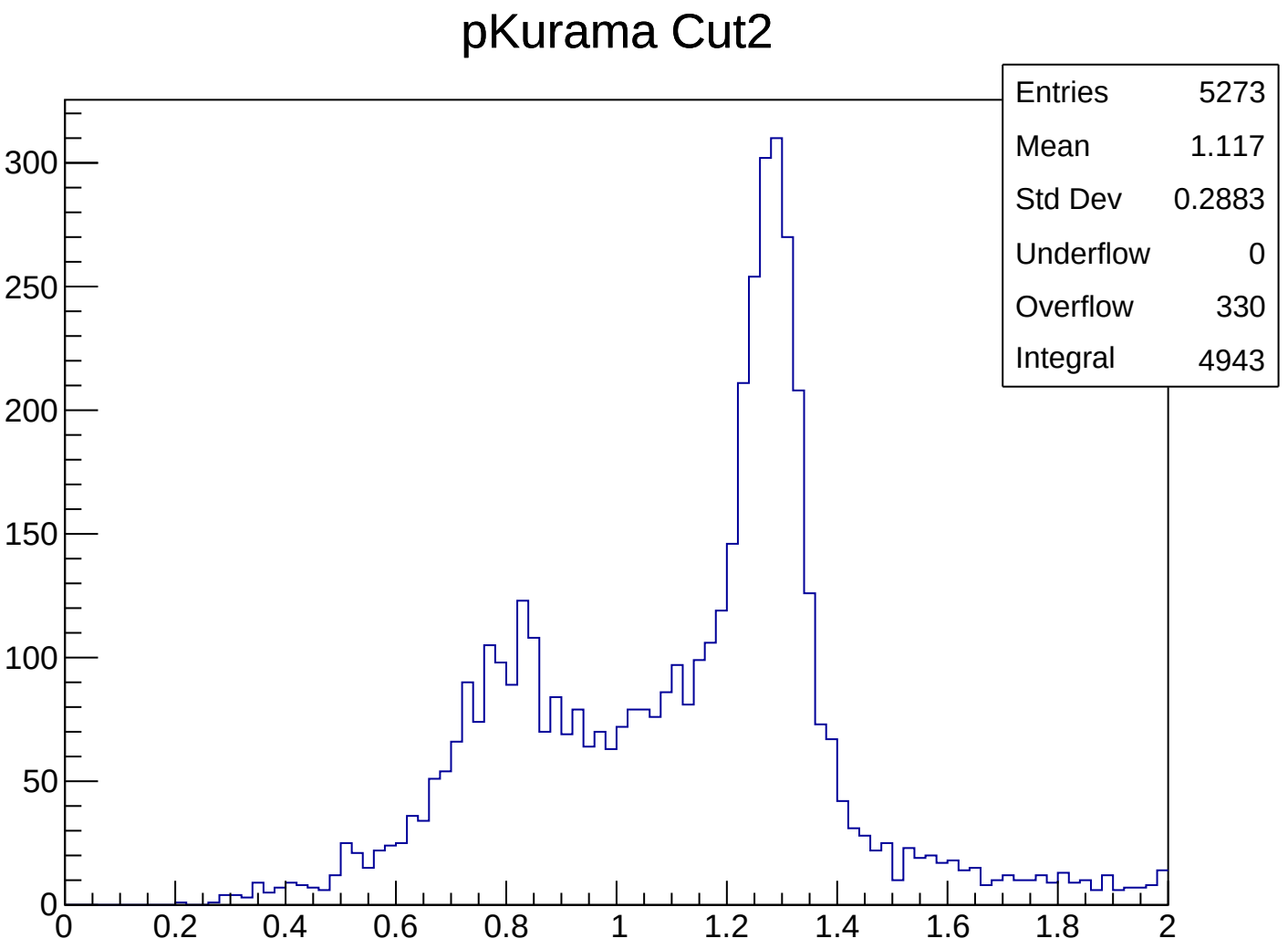

chisqrKurama Cut1
Entries 10596
Mean 4.291
Std Dev 2.348
Underflow 0
Overflow 0
Integral 1.06e+04
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
160
180
200

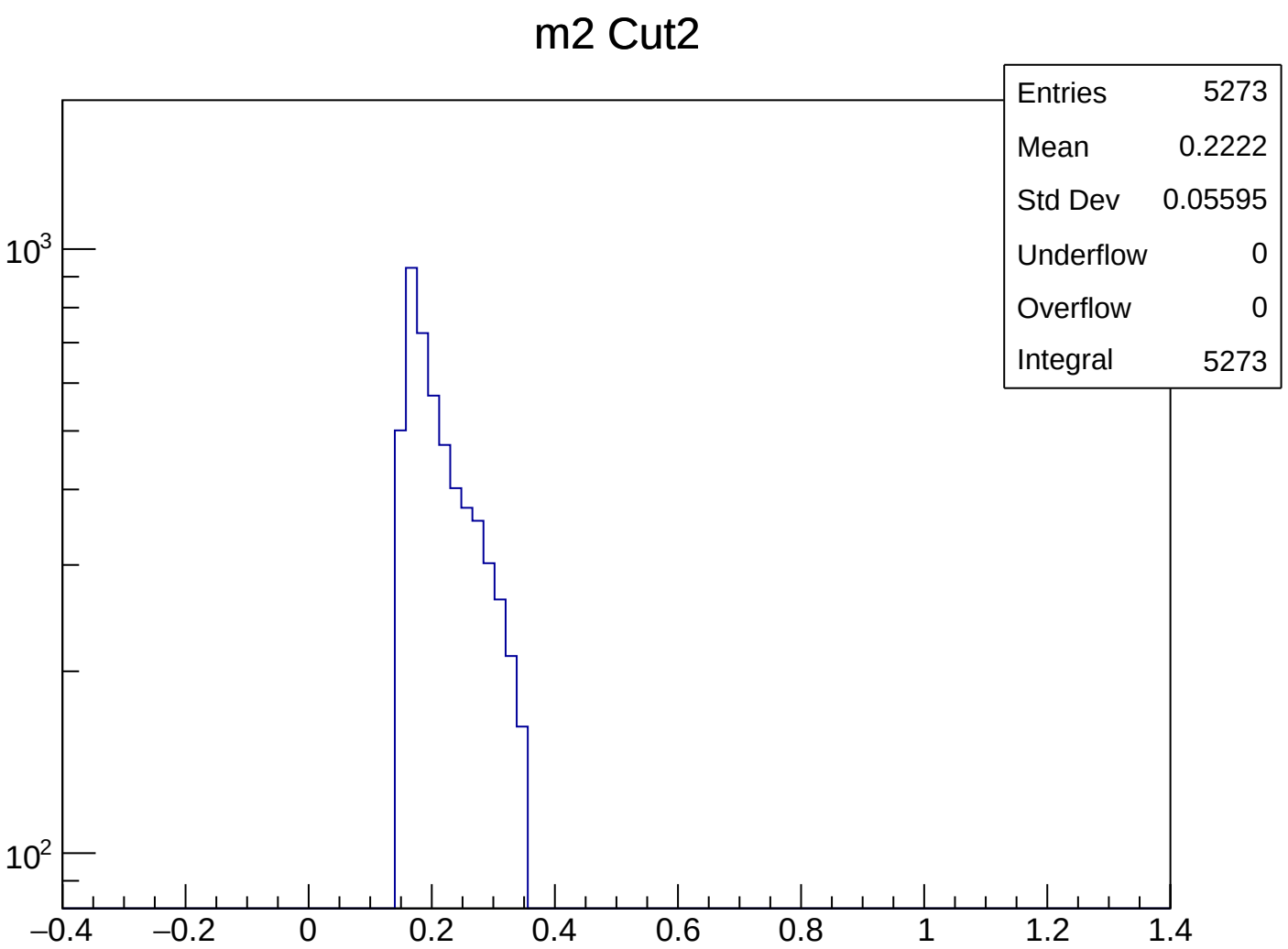

qKurama Cut1
Entries 10596
Mean 1
Std Dev 0
Underflow 0
Overflow 0
Integral 1.06e+04
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3

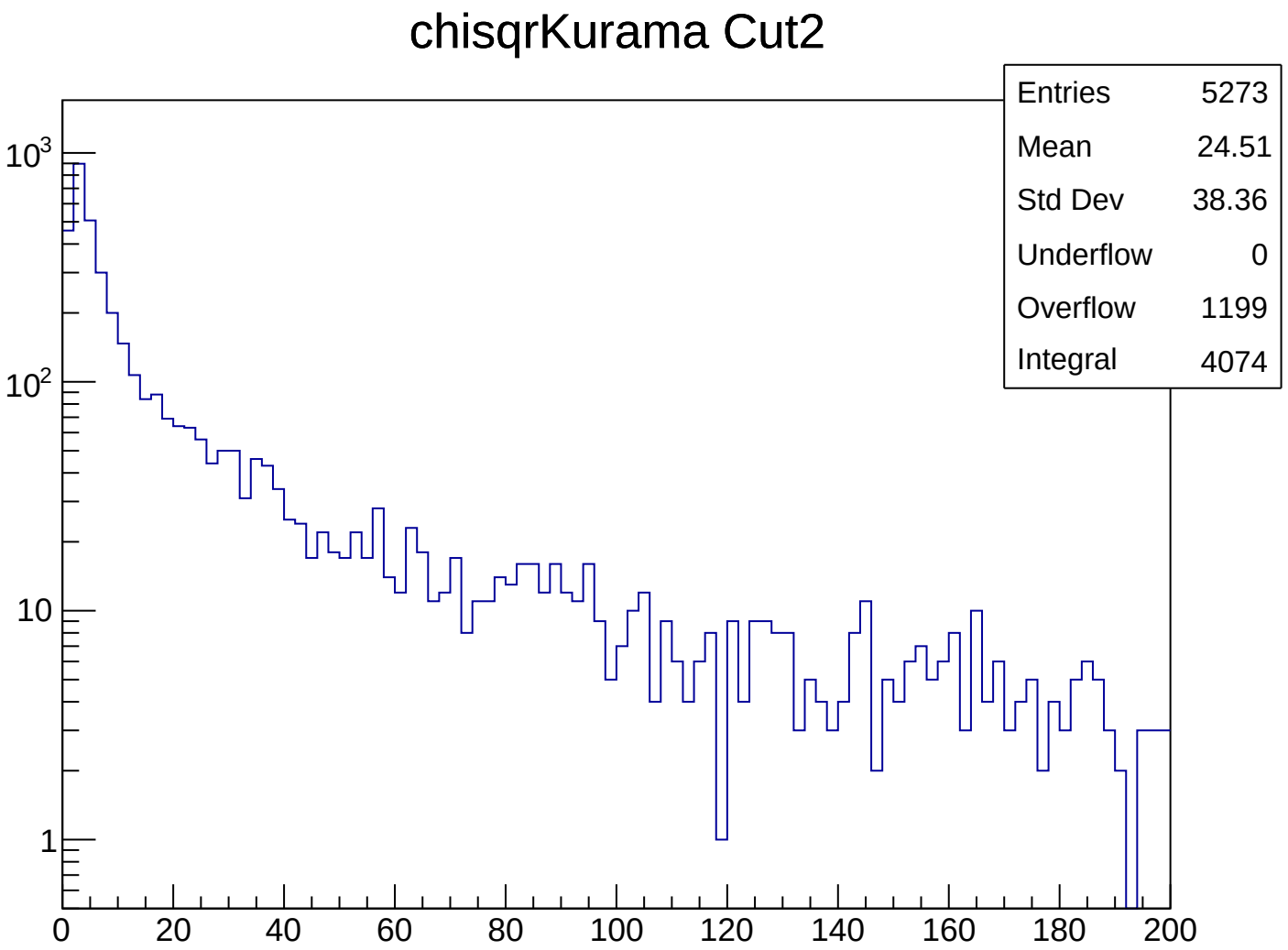

vpx[1] Cut1
Entries 10596
Mean –45.27
Std Dev 104
Underflow 0
Overflow 0
Integral 1.06e+04
180
160
140
120
100
80
60
40
20
0
–400
–300
–200
–100
0
100
200
300
400

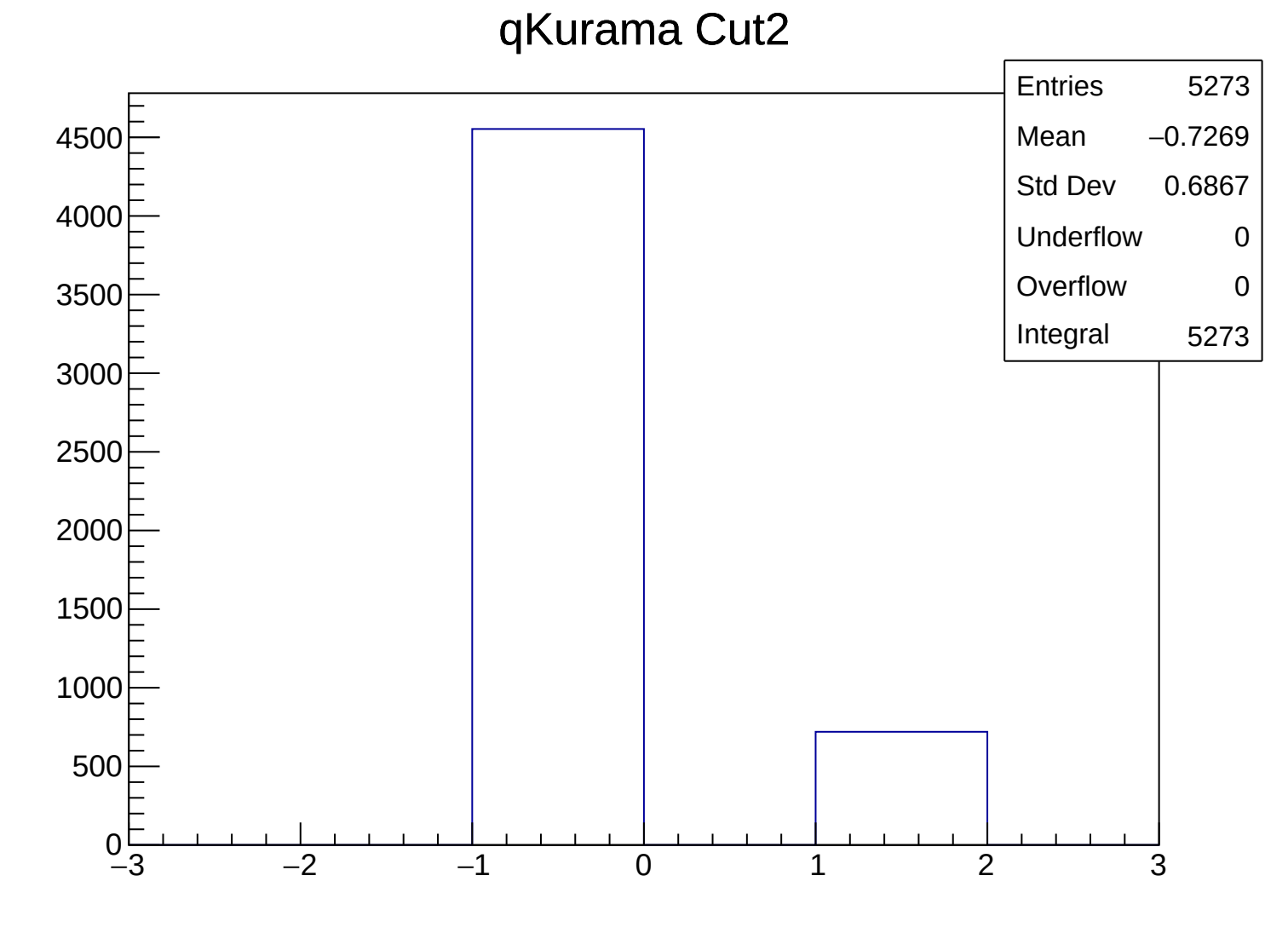

vpy[1] Cut1
Entries 10596
Mean –14.91
Std Dev 96.76
Underflow 0
Overflow 0
Integral 1.06e+04
200
180
160
140
120
100
80
60
40
20
0
–400
–300
–200
–100
0
100
200
300
400

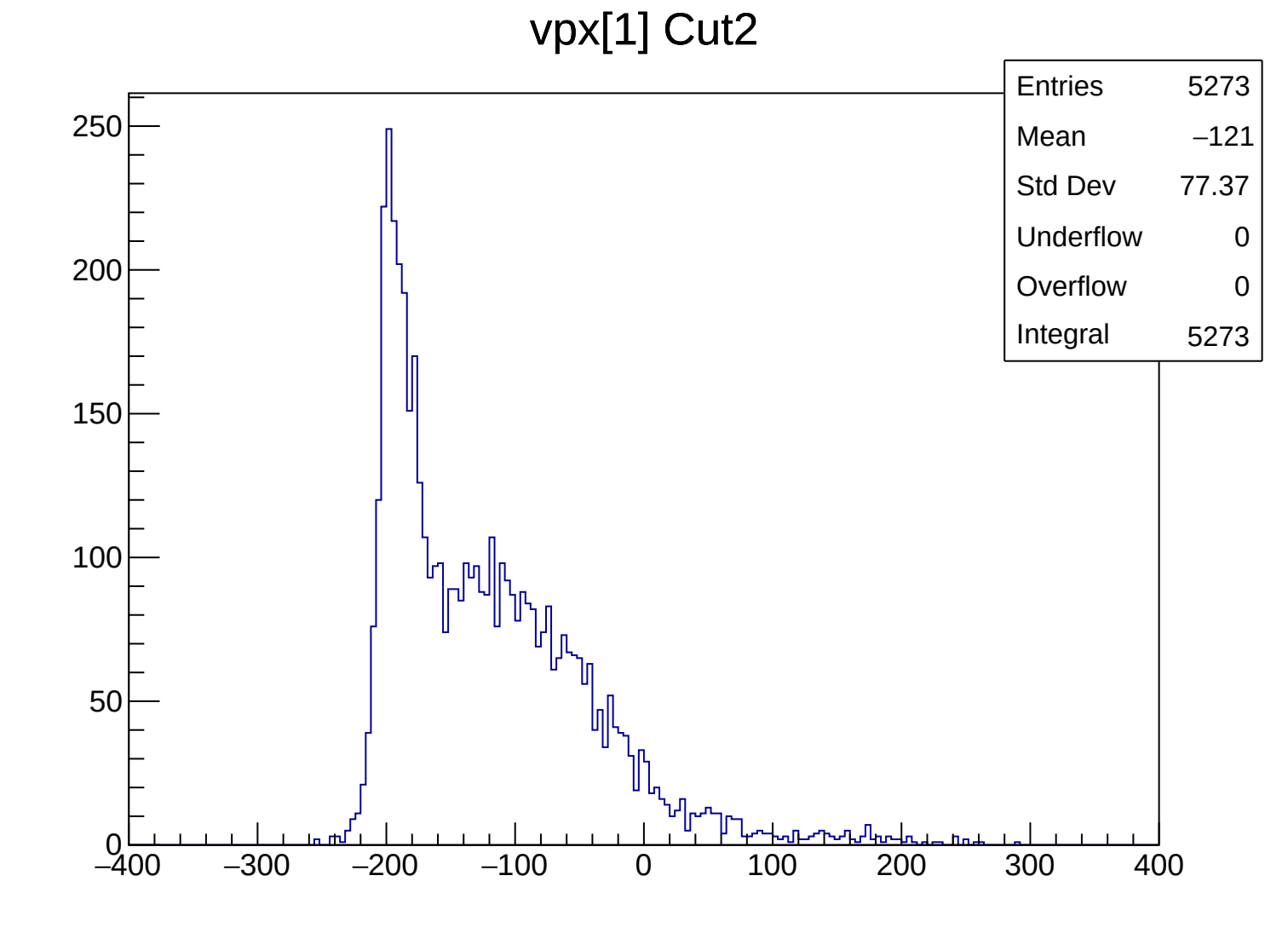

vpseg[1] Cut1
Entries 10596
Mean 0
Std Dev 0
Underflow 1.06e+04
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
10
20
30
40
50
60

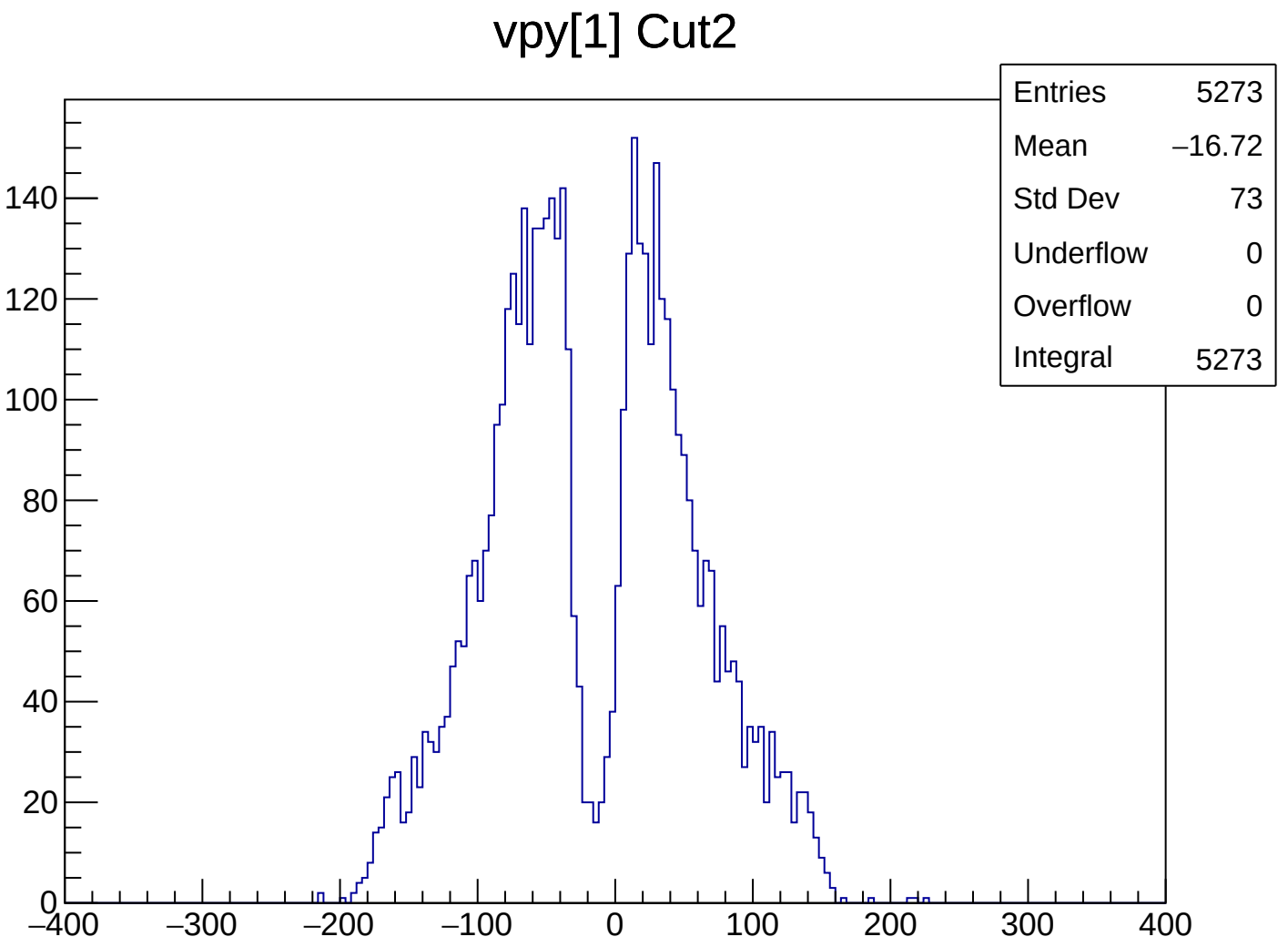

pKurama Cut2
Entries 5273
Mean 1.117
Std Dev 0.2883
Underflow 0
Overflow 330
Integral 4943
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

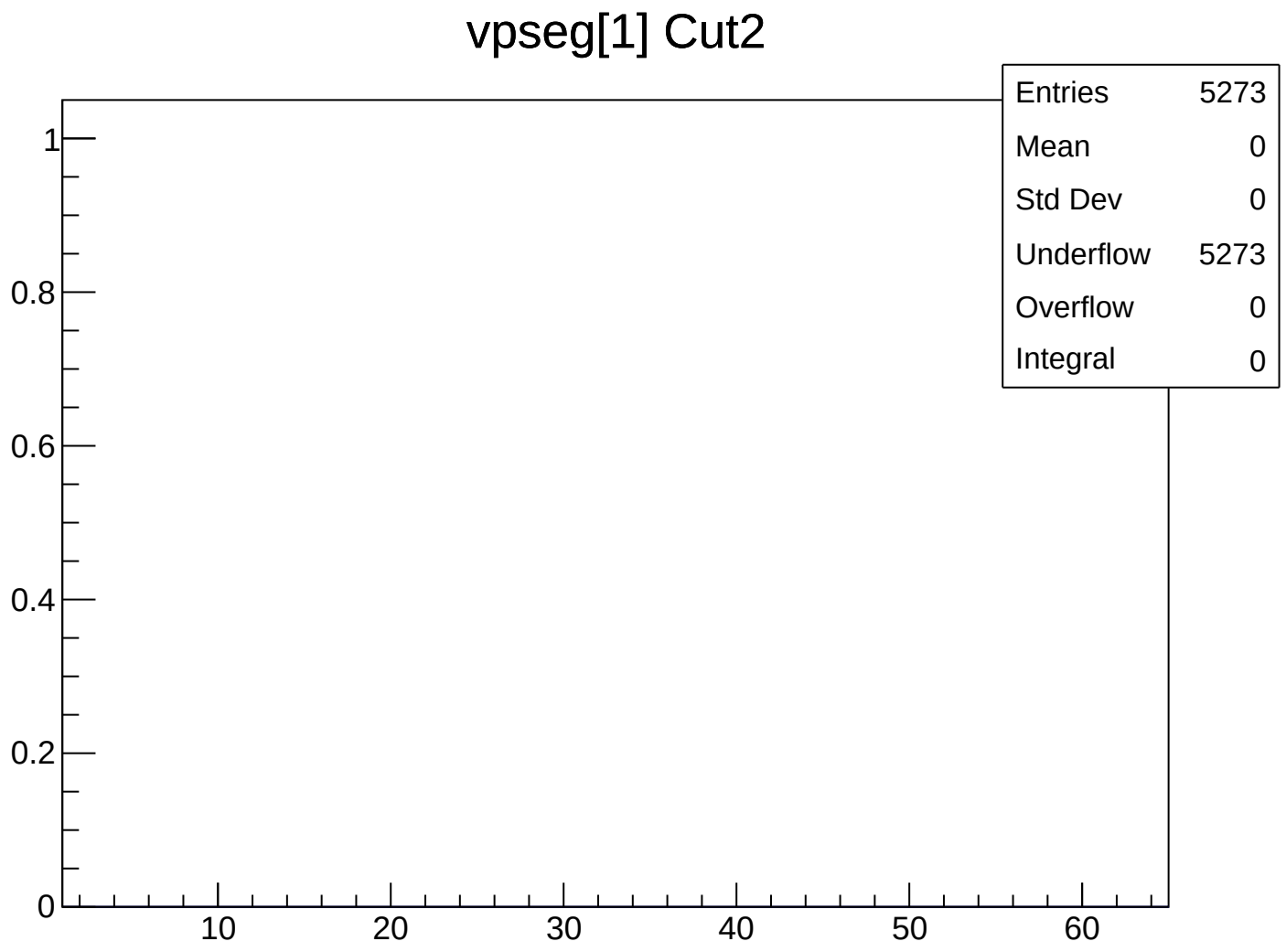

m2 Cut2
Entries 5273
Mean 0.2222
Std Dev 0.05595
Underflow 0
Overflow 0
Integral 5273
10^3
10^2
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

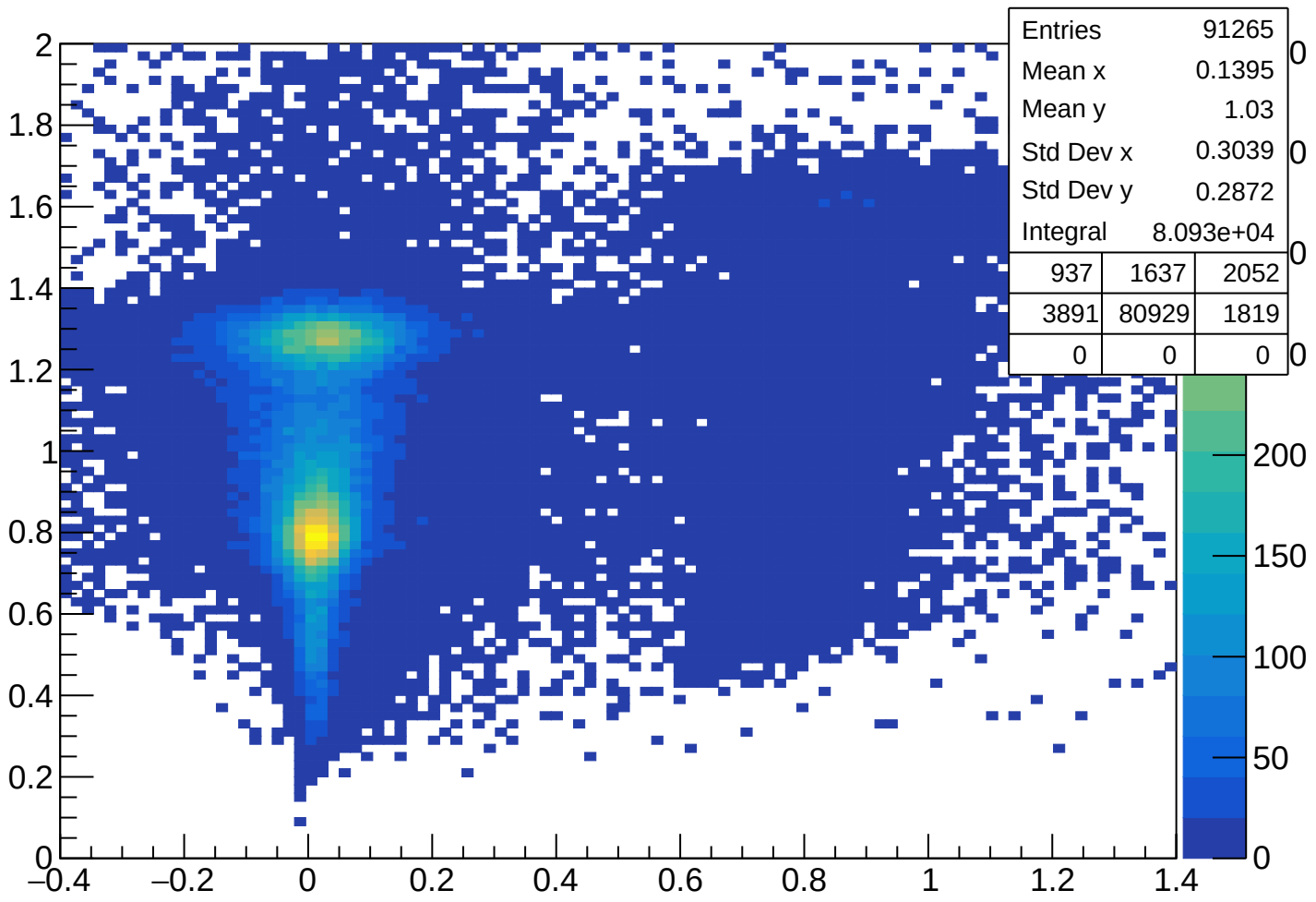

chisqrKurama Cut2
Entries 5273
Mean 24.51
Std Dev 38.36
Underflow 0
Overflow 1199
Integral 4074
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
200

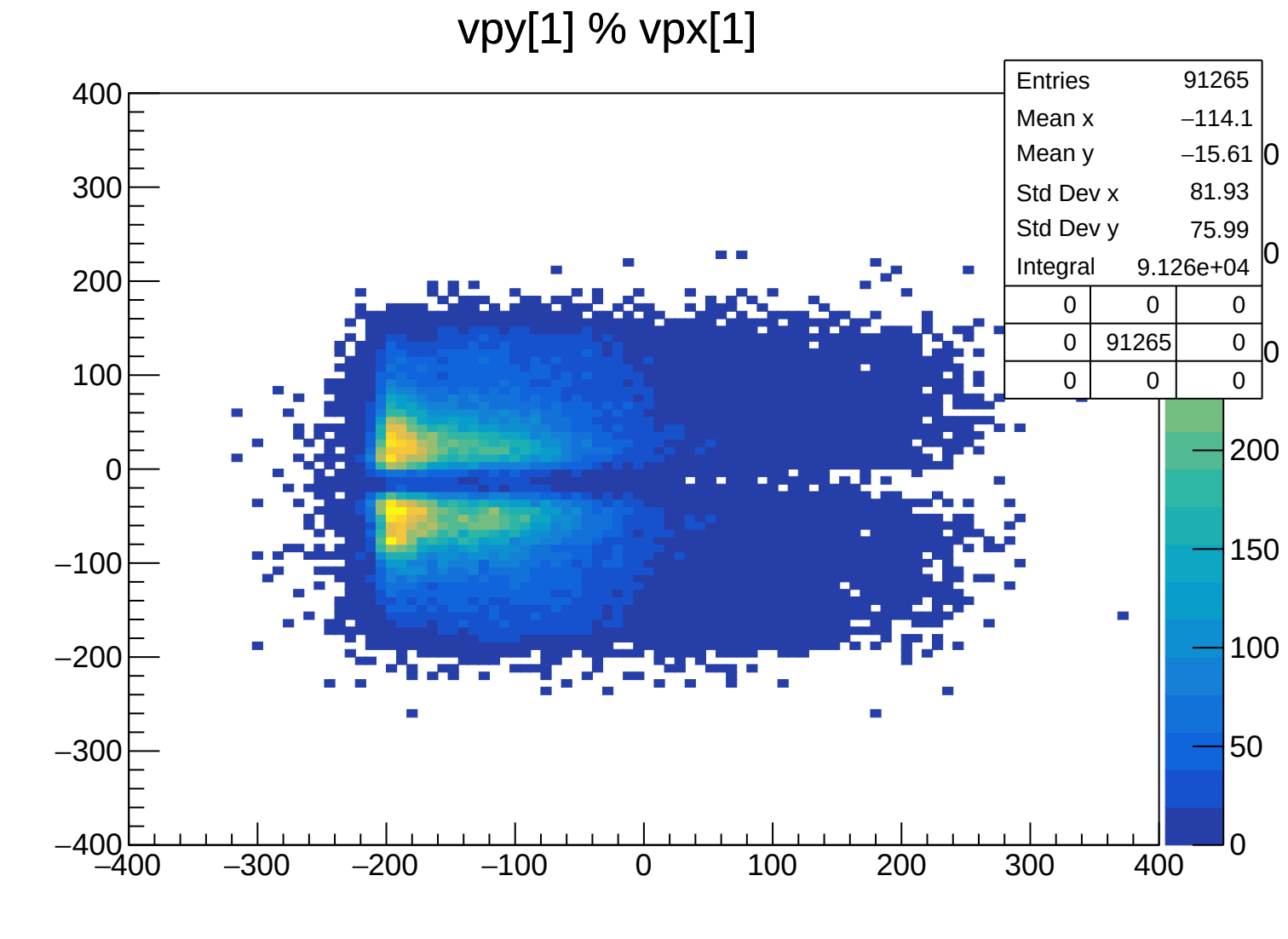

qKurama Cut2
Entries 5273
Mean –0.7269
Std Dev 0.6867
Underflow 0
Overflow 0
Integral 5273
4500
4000
3500
3000
2500
2000
1500
1000
500
0
–3
–2
–1
0
1
2
3

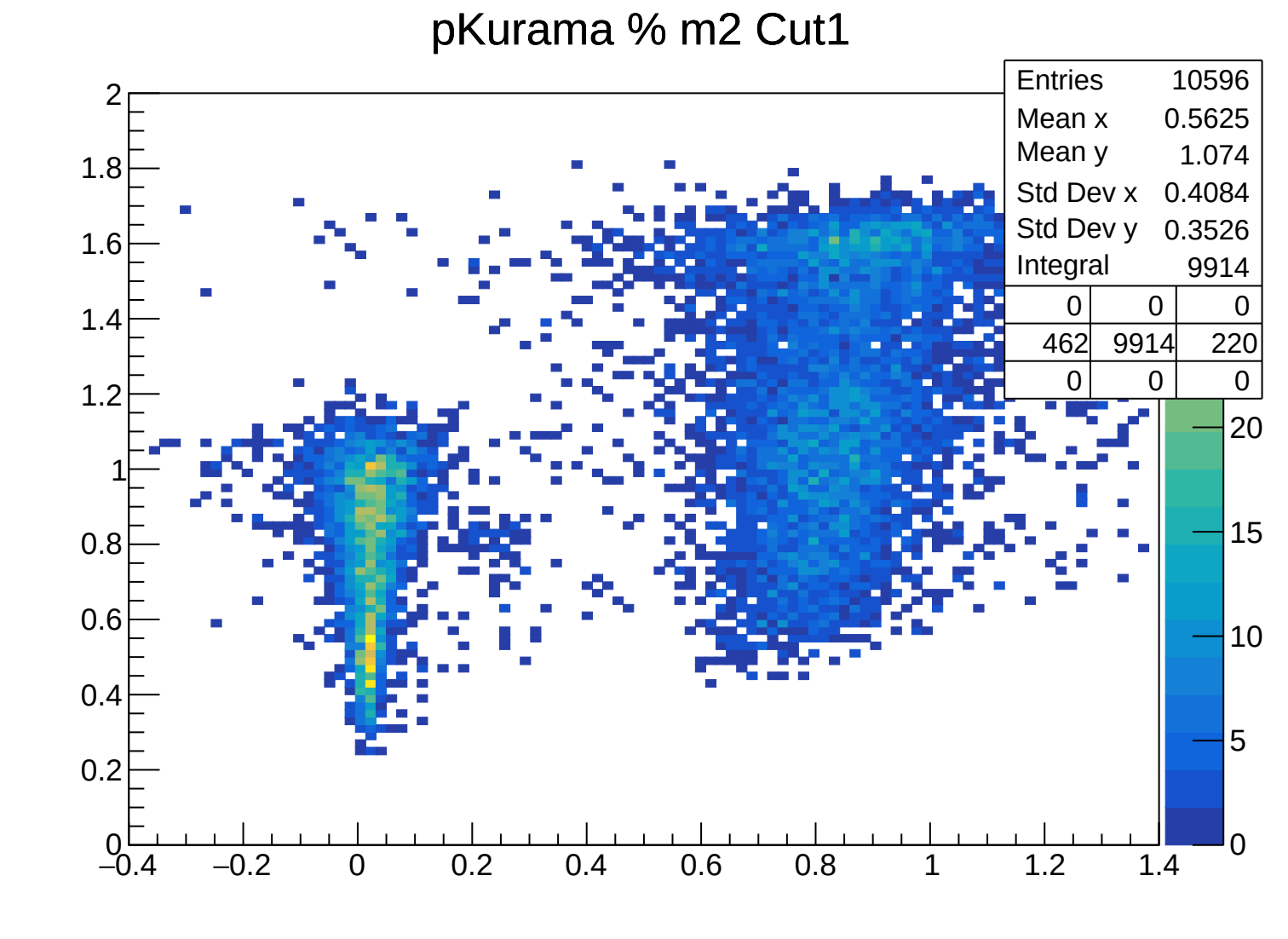

vpx[1] Cut2
Entries 5273
Mean –121
Std Dev 77.37
Underflow 0
Overflow 0
Integral 5273
250
200
150
100
50
0
–400
–300
–200
–100
0
100
200
300
400

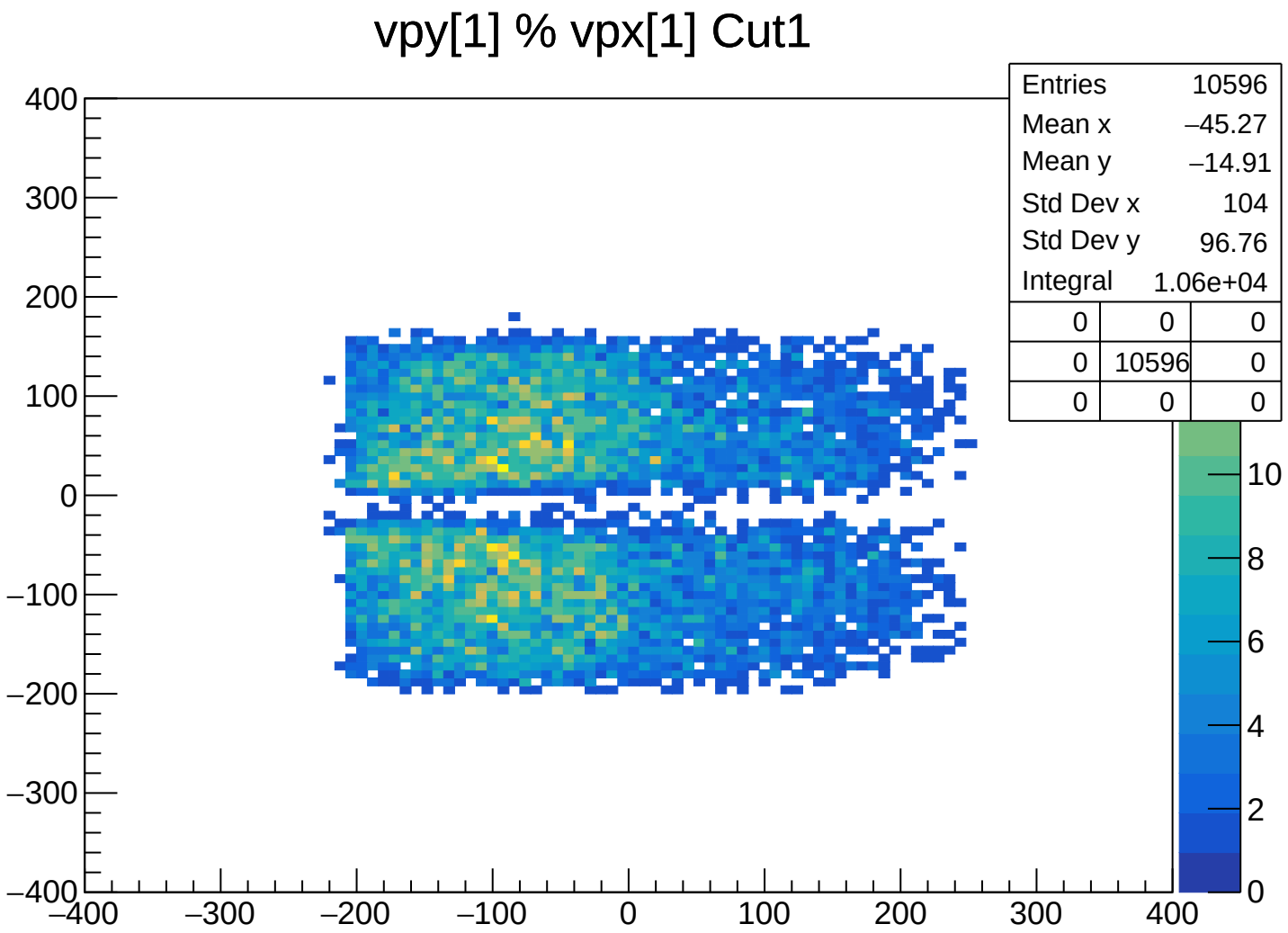

vpy[1] Cut2
Entries 5273
Mean −16.72
Std Dev 73
Underflow 0
Overflow 0
Integral 5273
140
120
100
80
60
40
20
0
−400
−300
−200
−100
0
100
200
300
400

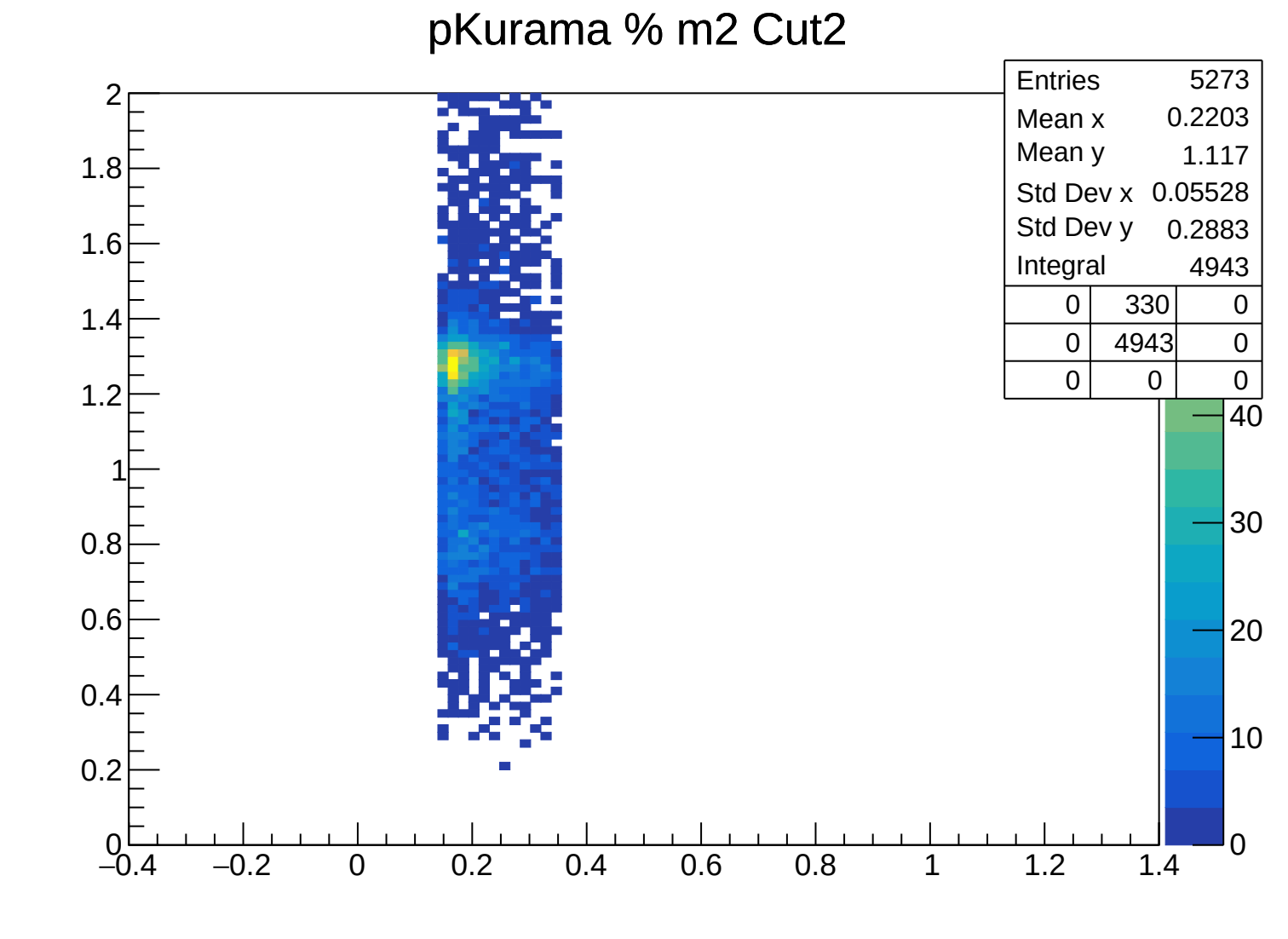

vpseg[1] Cut2
Entries 5273
Mean 0
Std Dev 0
Underflow 5273
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
10
20
30
40
50
60

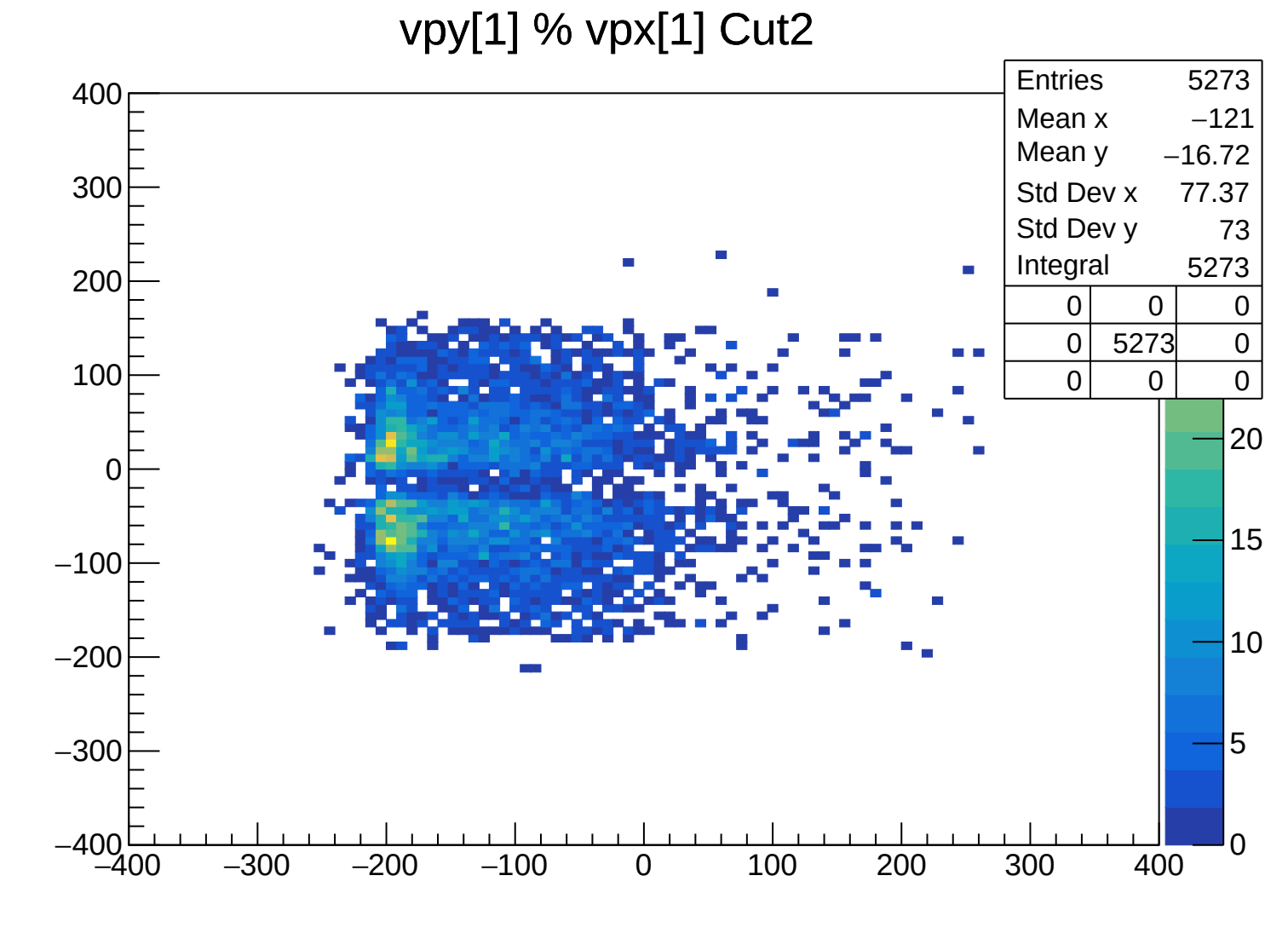

pKurama % m2
Entries 91265
Mean x 0.1395
Mean y 1.03
Std Dev x 0.3039
Std Dev y 0.2872
Integral 8.093e+04
937 1637 2052
3891 80929 1819
0 0 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
200
150
100
50
0


vpy[1] % vpx[1]
Entries 91265
Mean x –114.1
Mean y –15.61
Std Dev x 81.93
Std Dev y 75.99
Integral 9.126e+04
0 0 0
0 91265 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 Cut1
Entries 10596
Mean x 0.5625
Mean y 1.074
Std Dev x 0.4084
Std Dev y 0.3526
Integral 9914
0 0 0
462 9914 220
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
20
15
10
5
0


vpy[1] % vpx[1] Cut1
Entries 10596
Mean x –45.27
Mean y –14.91
Std Dev x 104
Std Dev y 96.76
Integral 1.06e+04
0 0 0
0 10596 0
0 0 0
400
300
200
100
0
–100
–200
–300
–400
–400
–300
–200
–100
0
100
200
300
400
10
8
6
4
2
0


pKurama % m2 Cut2
Entries 5273
Mean x 0.2203
Mean y 1.117
Std Dev x 0.05528
Std Dev y 0.2883
Integral 4943
0 330 0
0 4943 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
40
30
20
10
0


vpy[1] % vpx[1] Cut2
Entries 5273
Mean x −121
Mean y −16.72
Std Dev x 77.37
Std Dev y 73
Integral 5273
0 0 0
0 5273 0
0 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
20
15
10
5
0