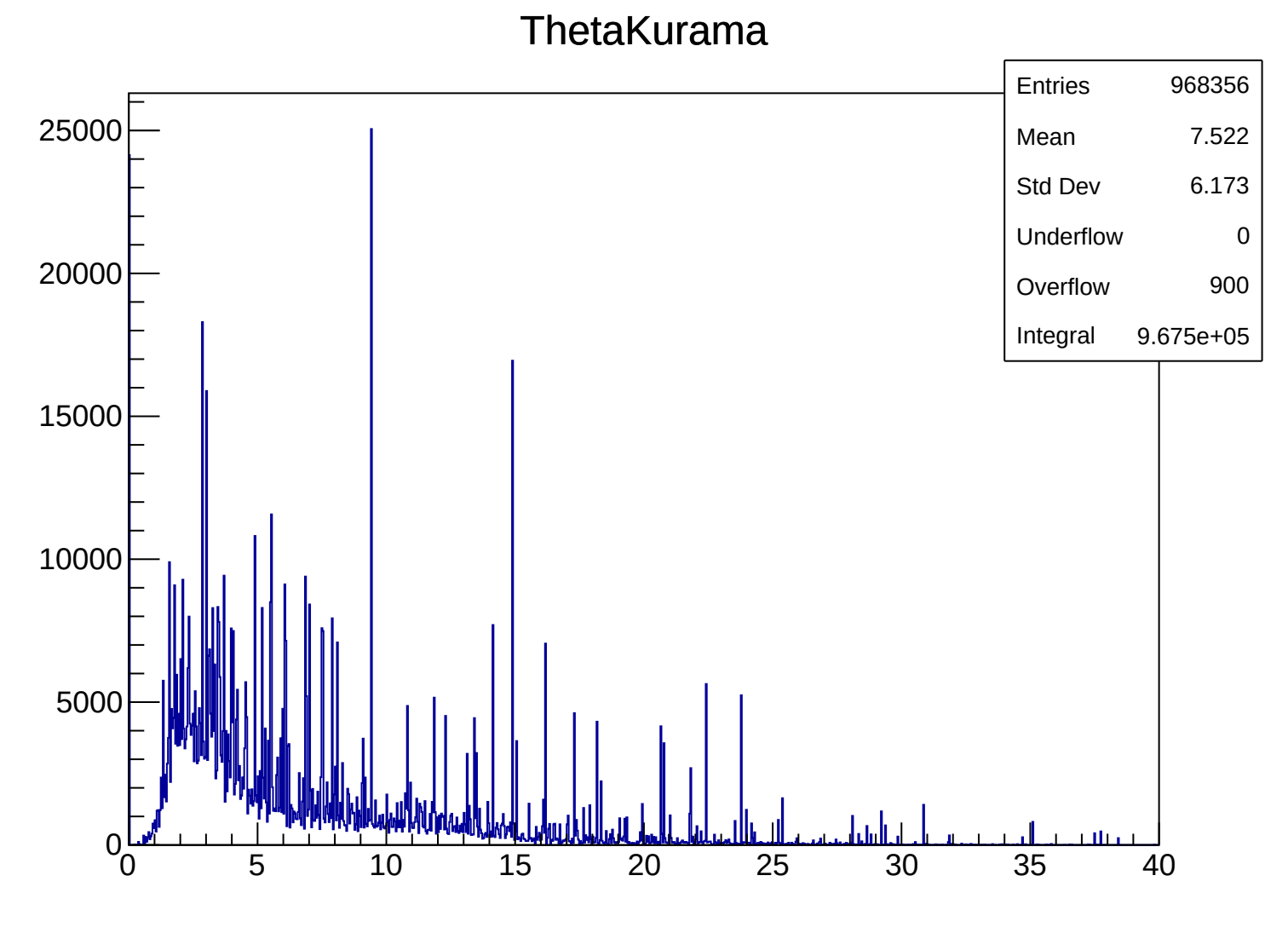
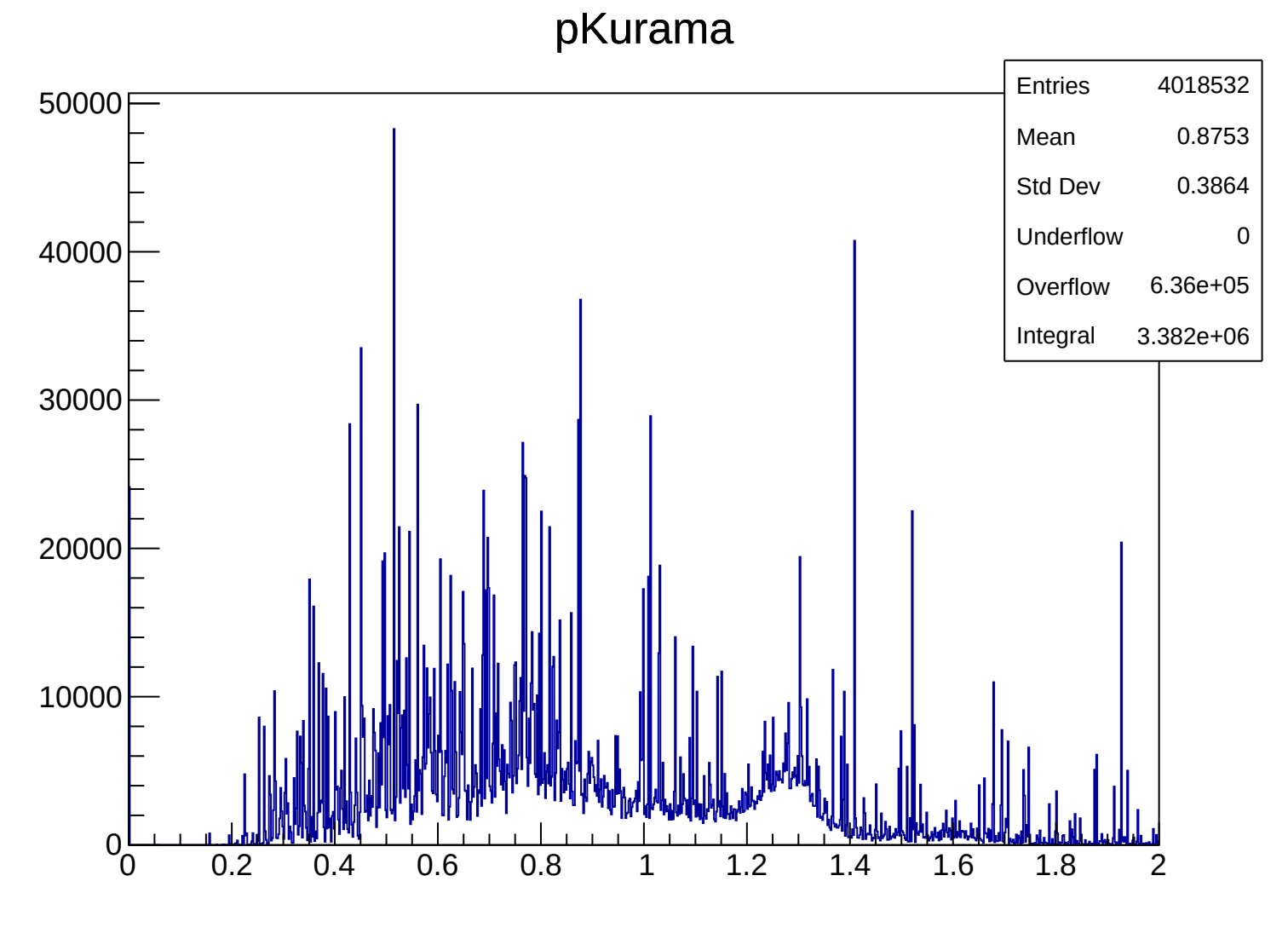
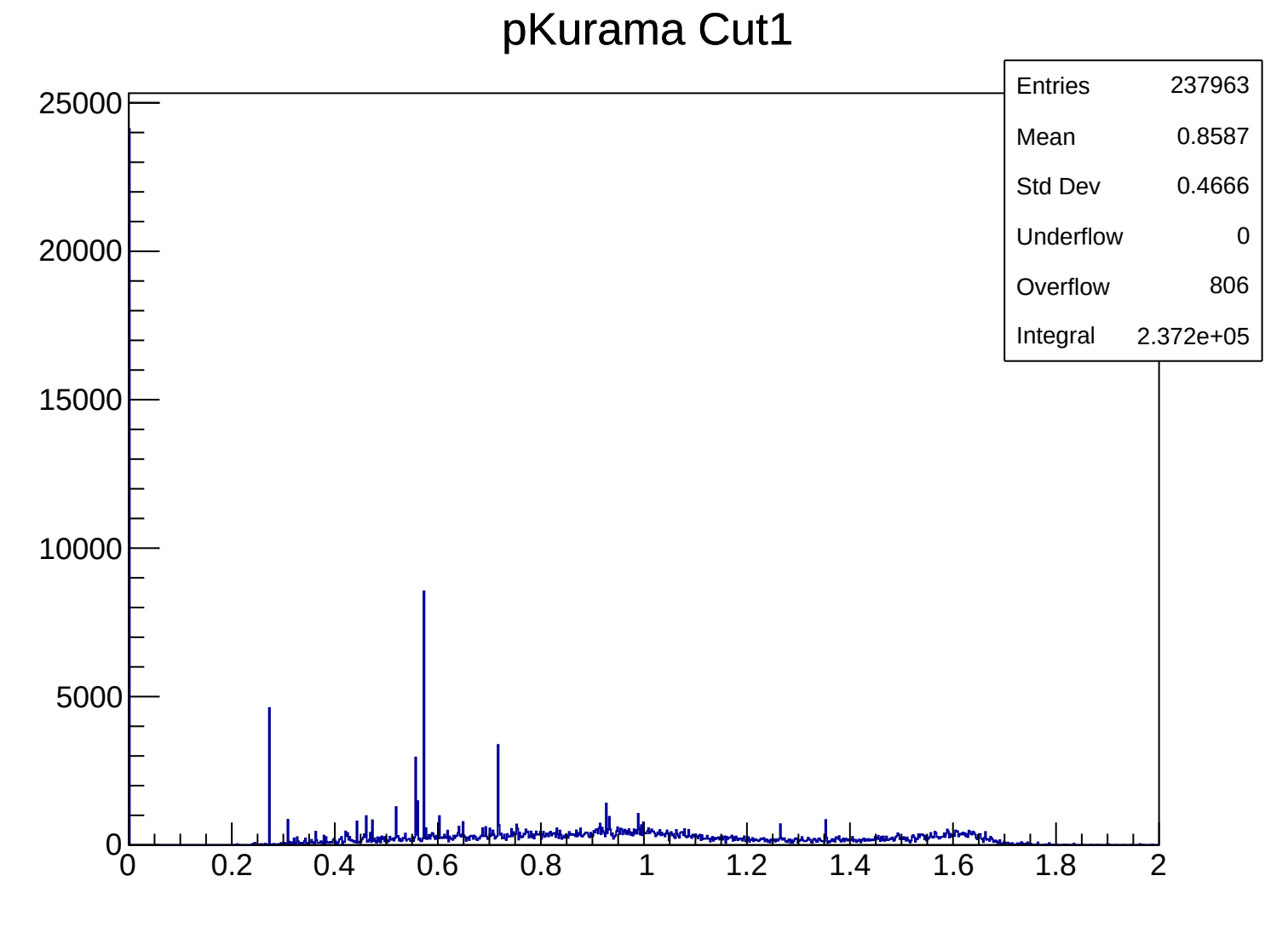
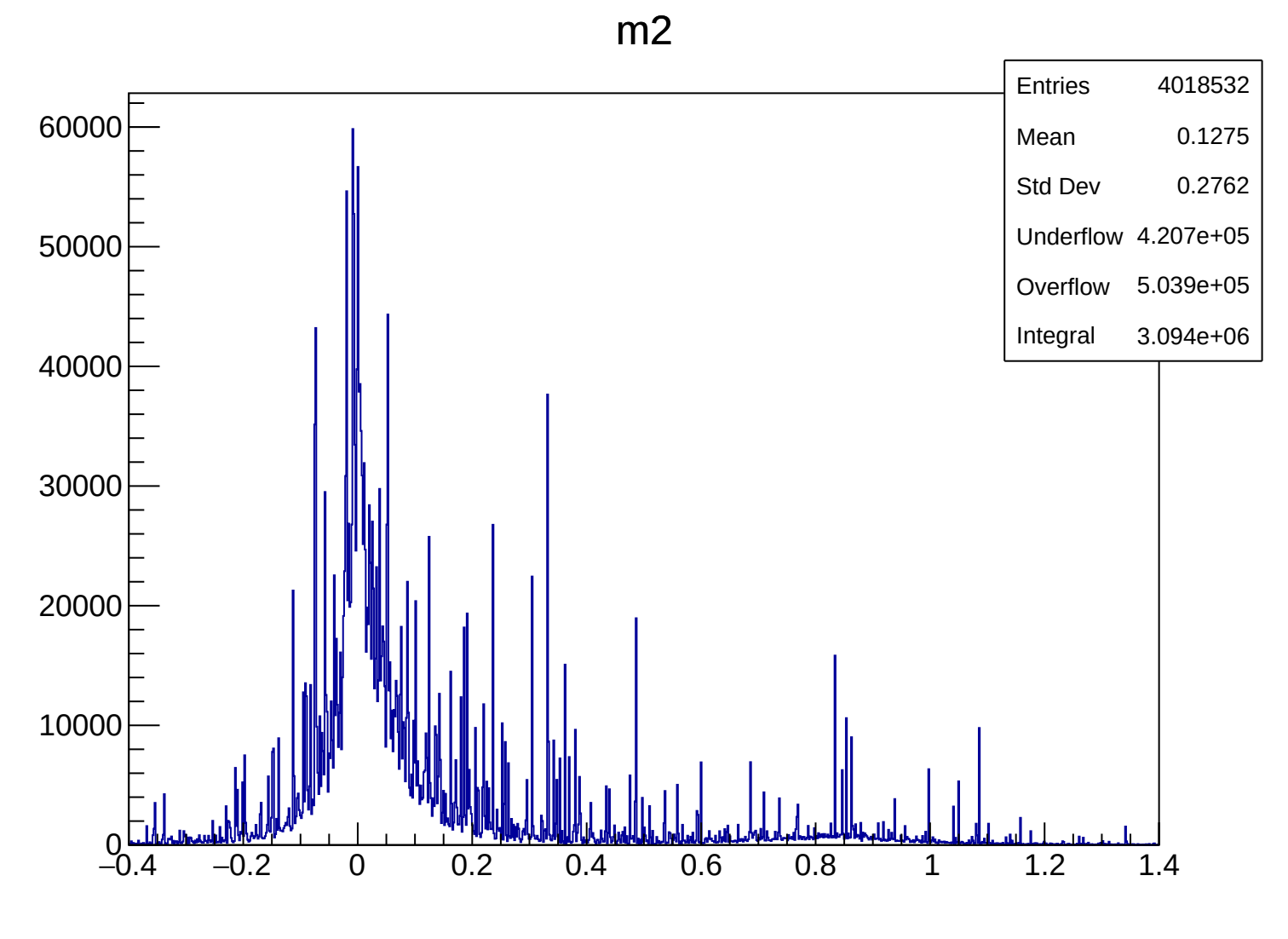
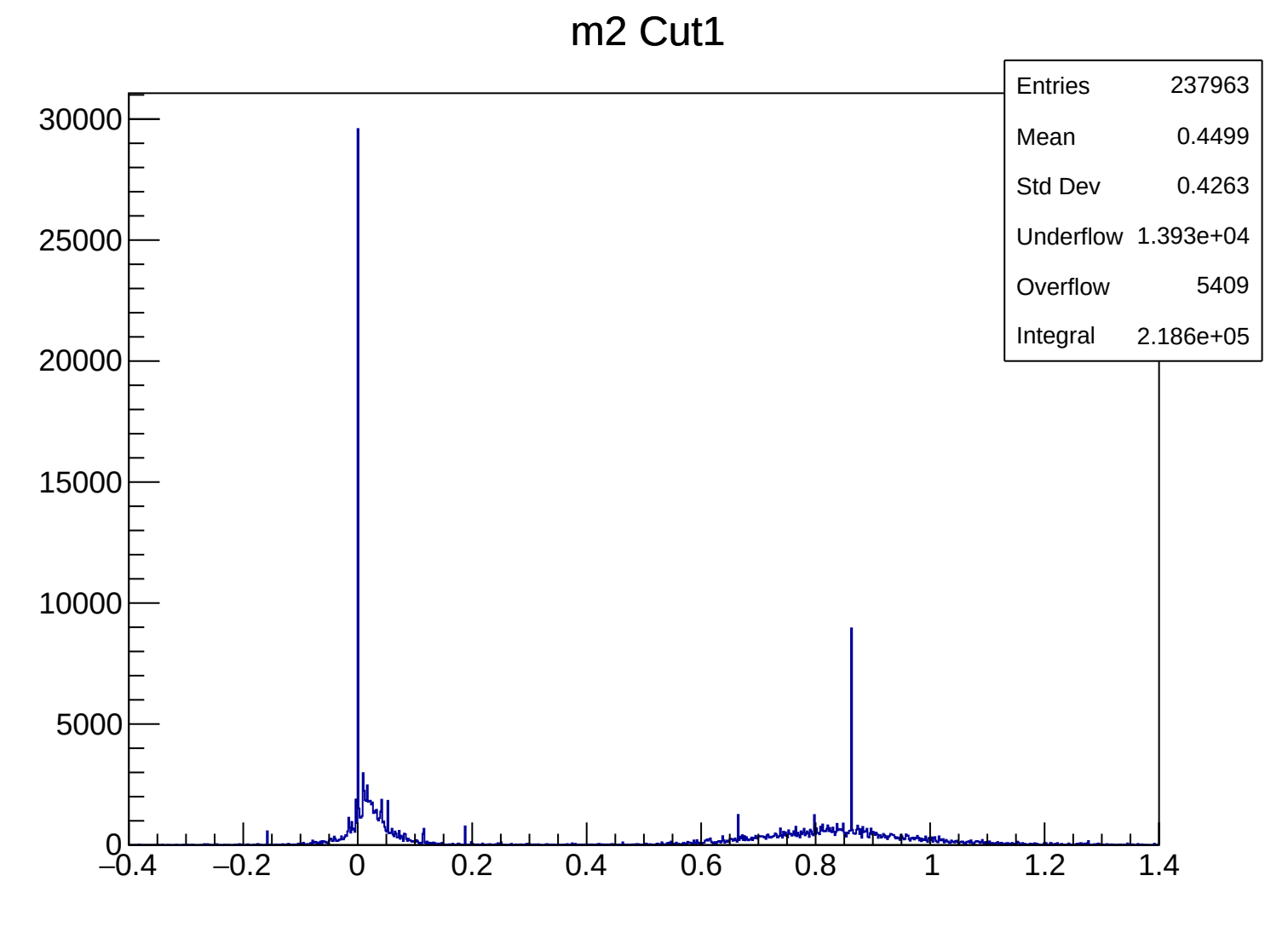
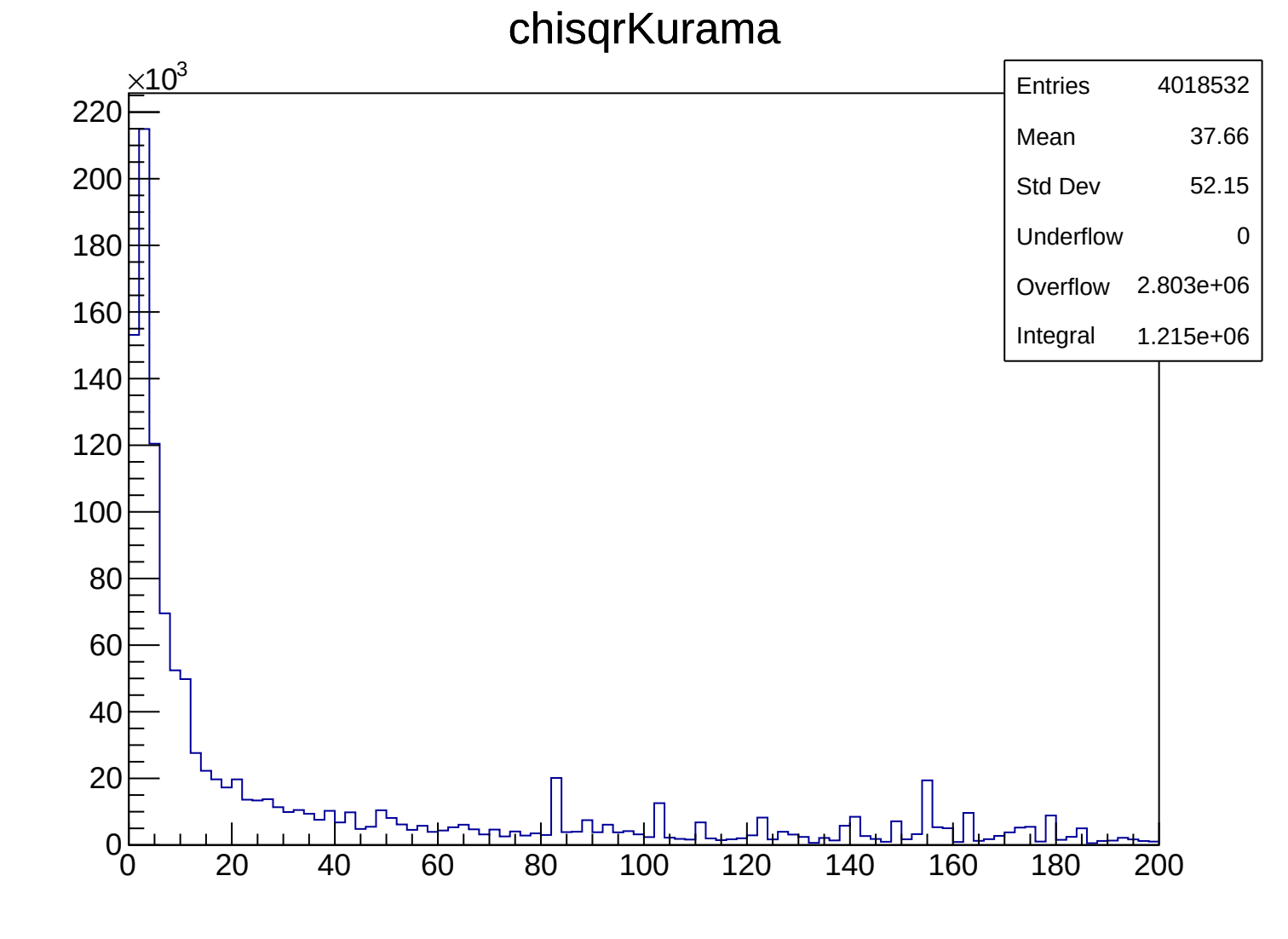

ThetaKurama
Entries 968356
Mean 7.522
Std Dev 6.173
Underflow 0
Overflow 900
Integral 9.675e+05
25000
20000
15000
10000
5000
0
0
5
10
15
20
25
30
35
40

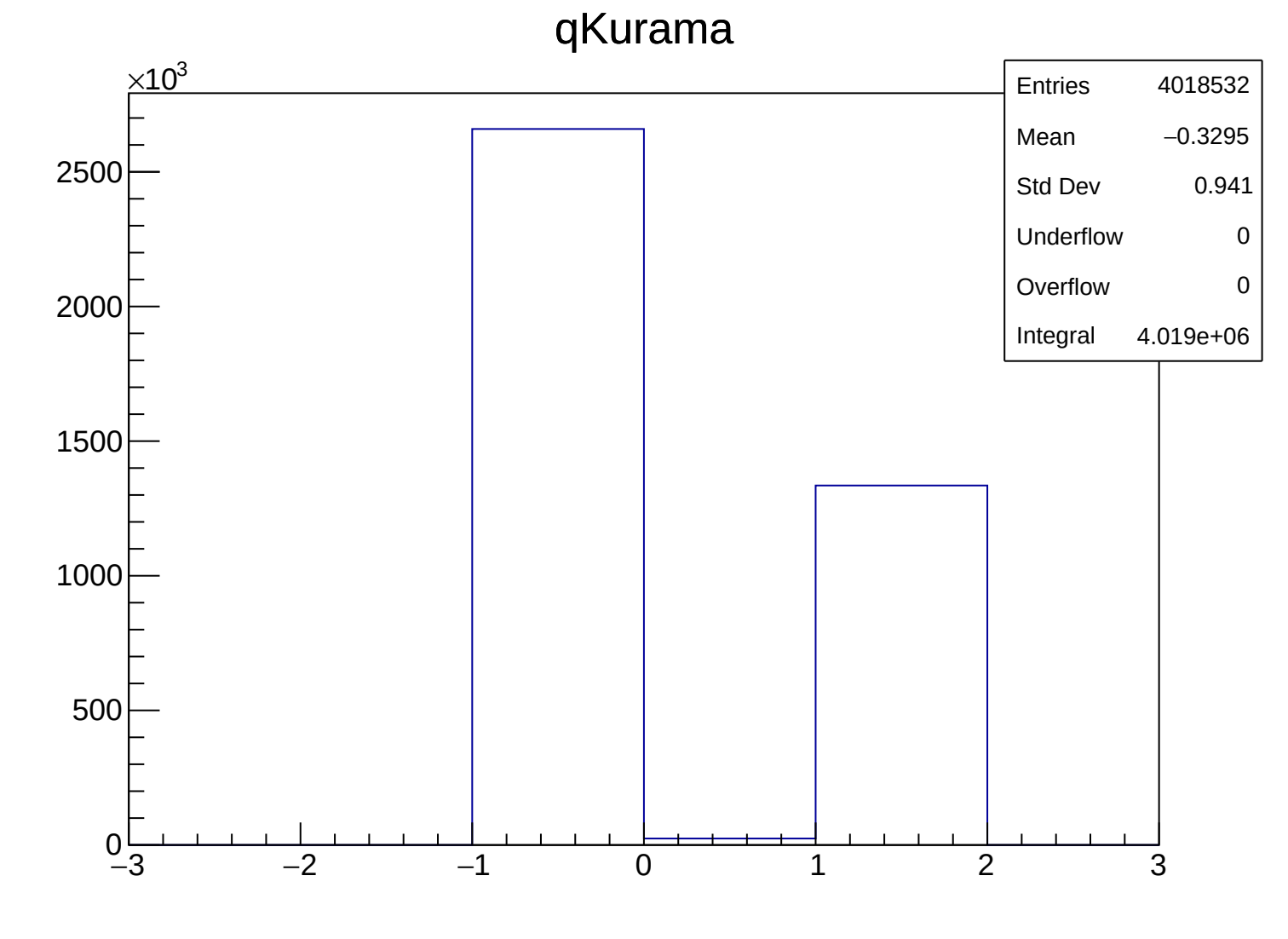

pKurama
Entries 4018532
Mean 0.8753
Std Dev 0.3864
Underflow 0
Overflow 6.36e+05
Integral 3.382e+06
50000
40000
30000
20000
10000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

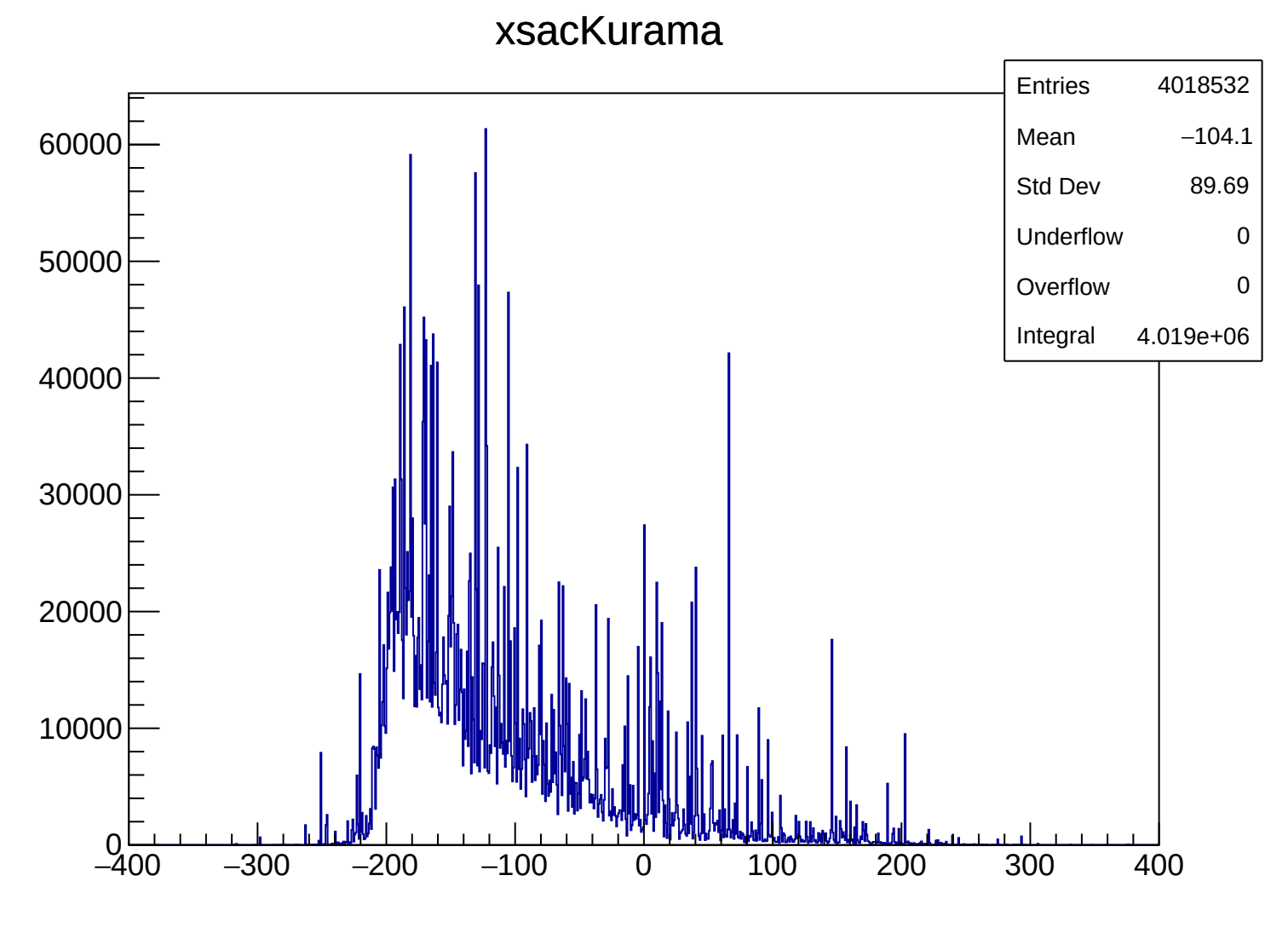

pKurama Cut1
Entries 237963
Mean 0.8587
Std Dev 0.4666
Underflow 0
Overflow 806
Integral 2.372e+05
25000
20000
15000
10000
5000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

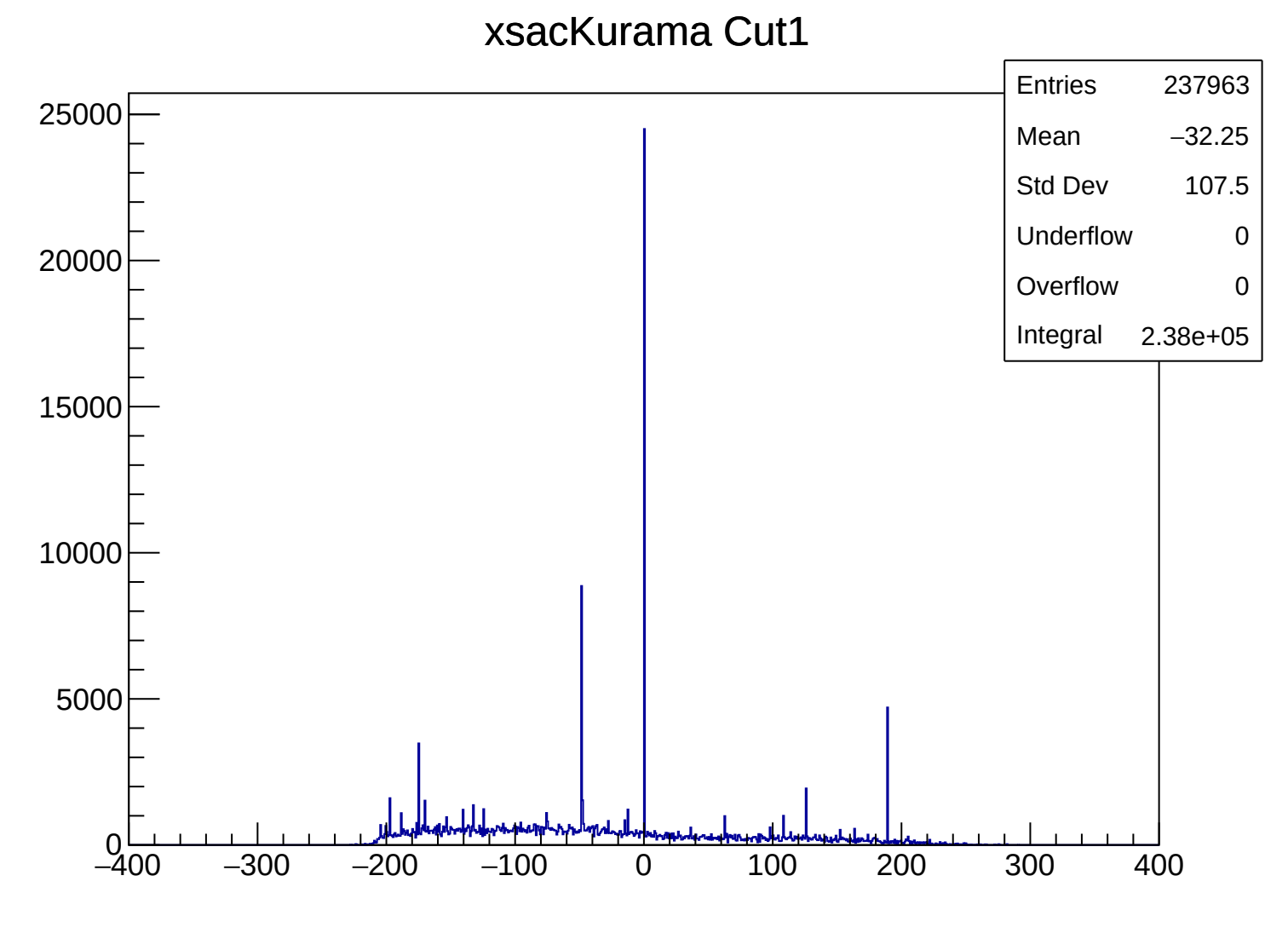

m2
Entries 4018532
Mean 0.1275
Std Dev 0.2762
Underflow 4.207e+05
Overflow 5.039e+05
Integral 3.094e+06
60000
50000
40000
30000
20000
10000
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

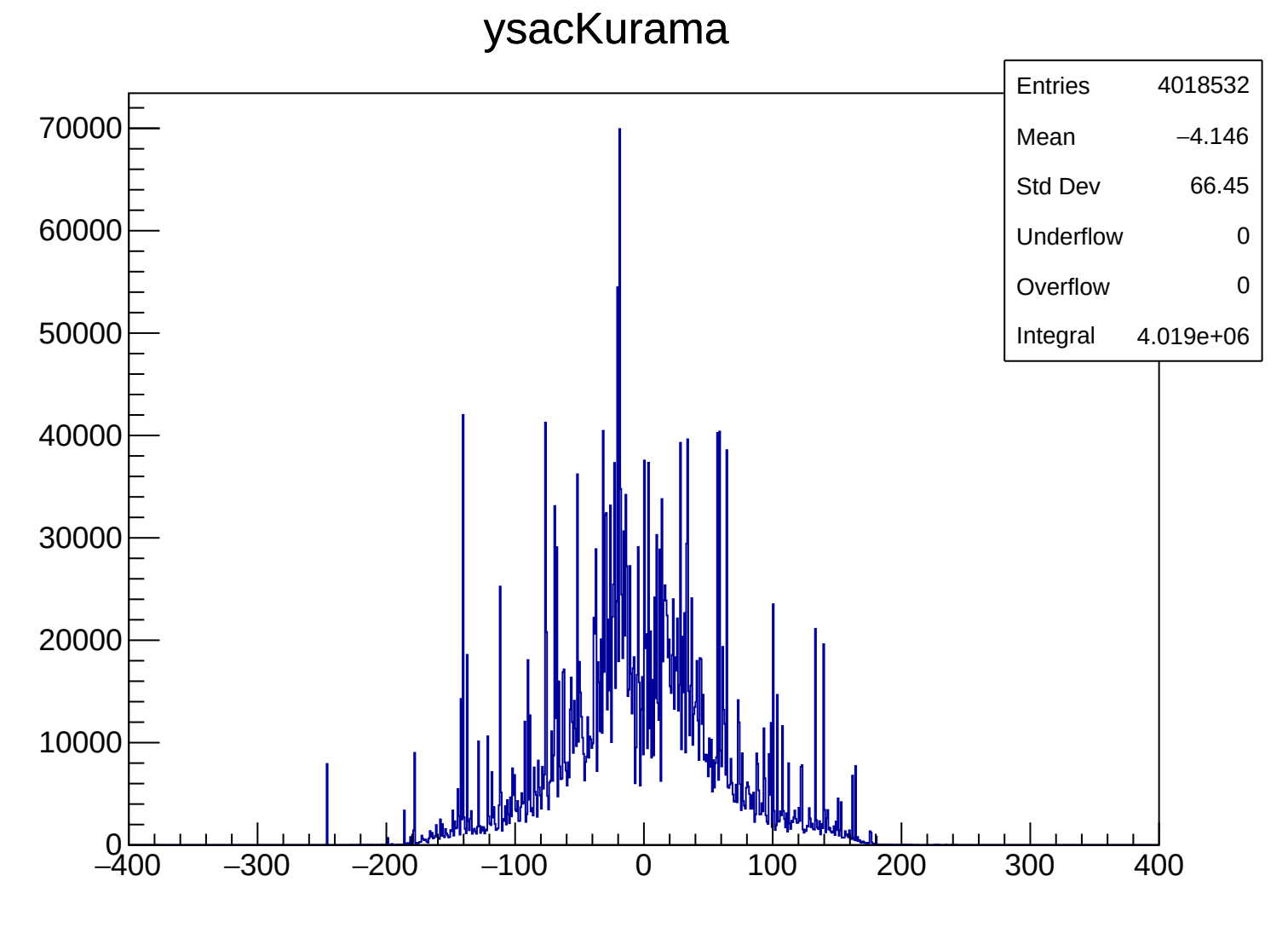

m2 Cut1
Entries 237963
Mean 0.4499
Std Dev 0.4263
Underflow 1.393e+04
Overflow 5409
Integral 2.186e+05
30000
25000
20000
15000
10000
5000
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

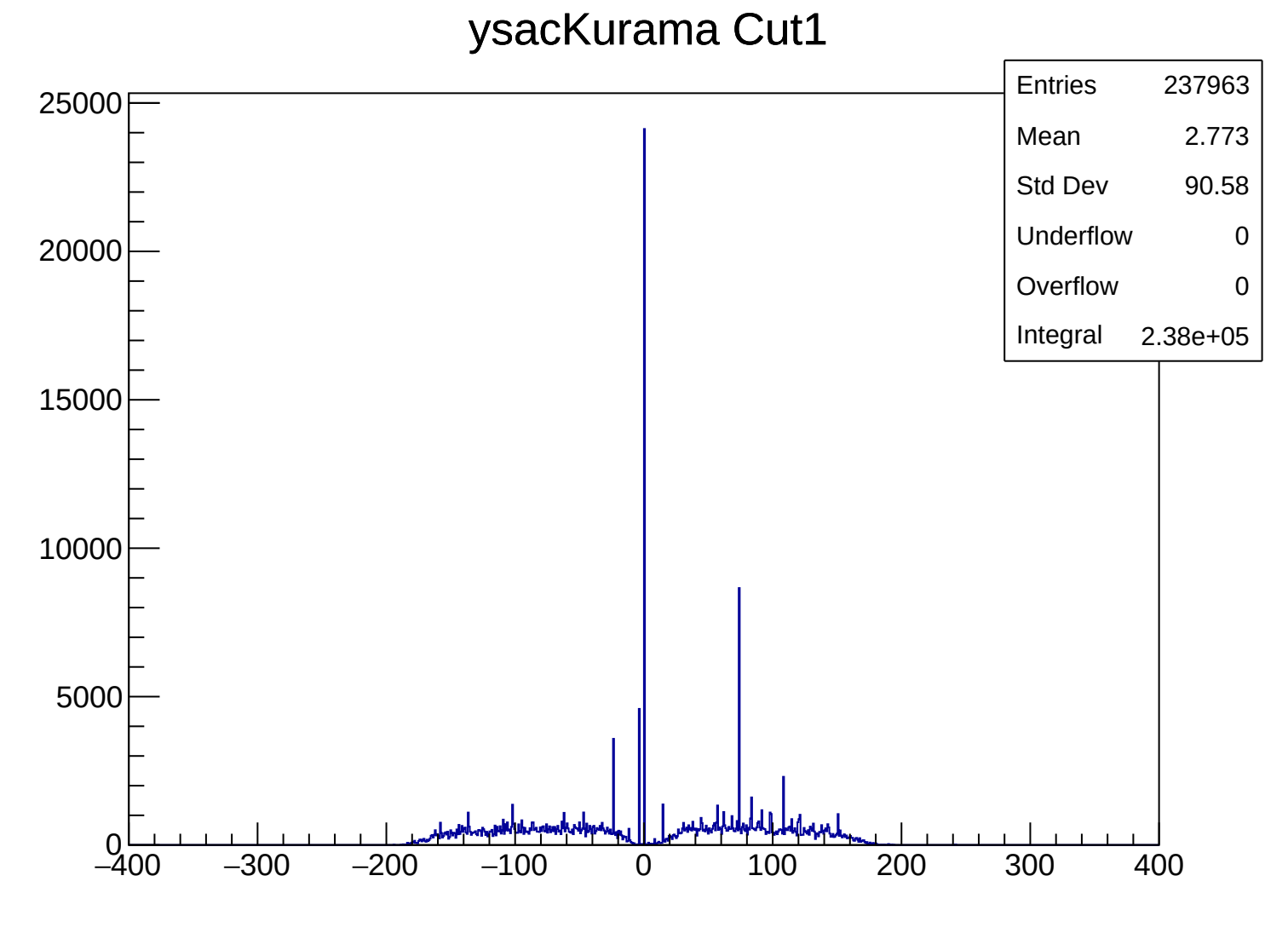

chisqrKurama
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
200
Entries 4018532
Mean 37.66
Std Dev 52.15
Underflow 0
Overflow 2.803e+06
Integral 1.215e+06

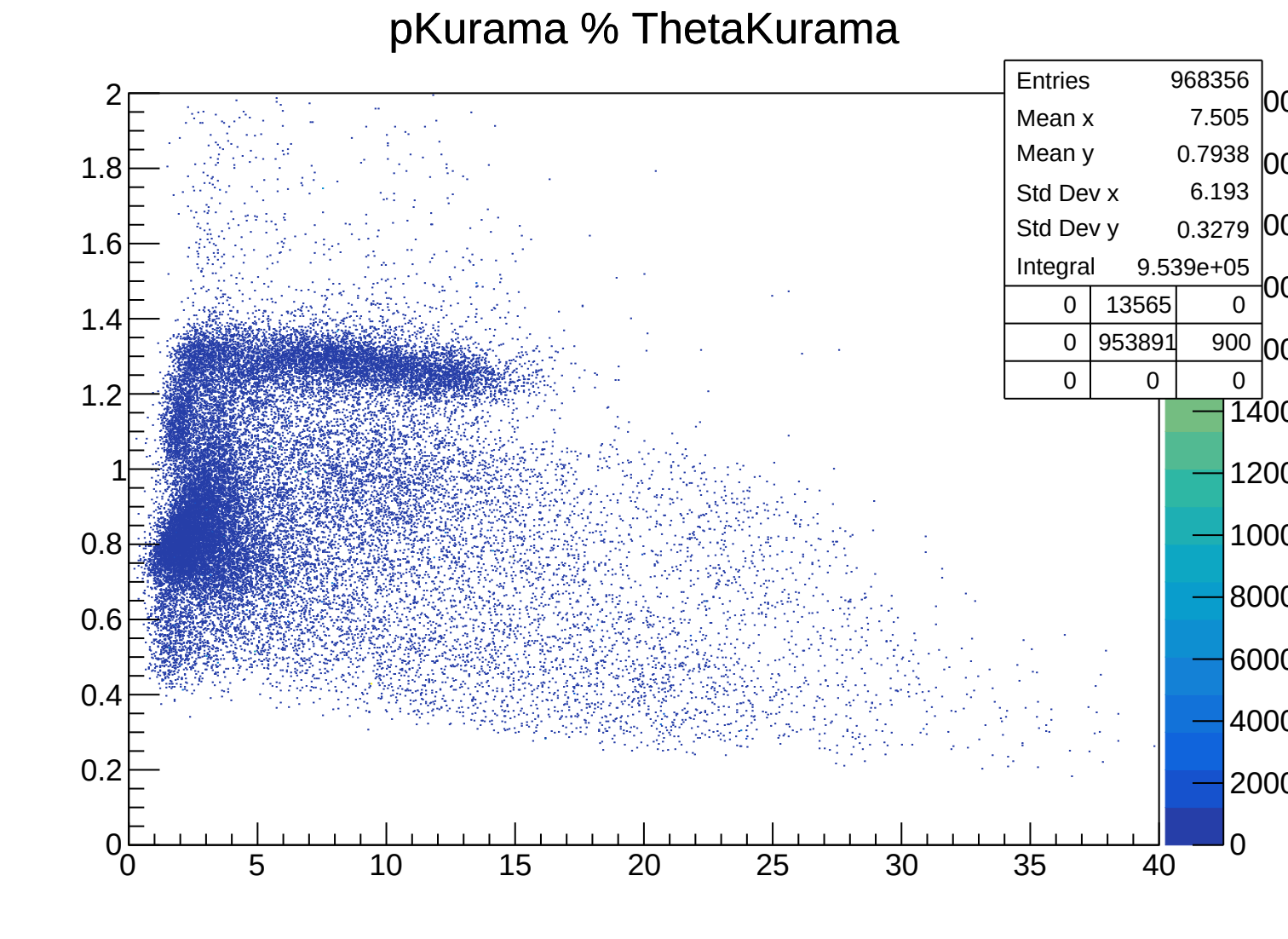

qKurama
×10^3
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
Entries 4018532
Mean −0.3295
Std Dev 0.941
Underflow 0
Overflow 0
Integral 4.019e+06

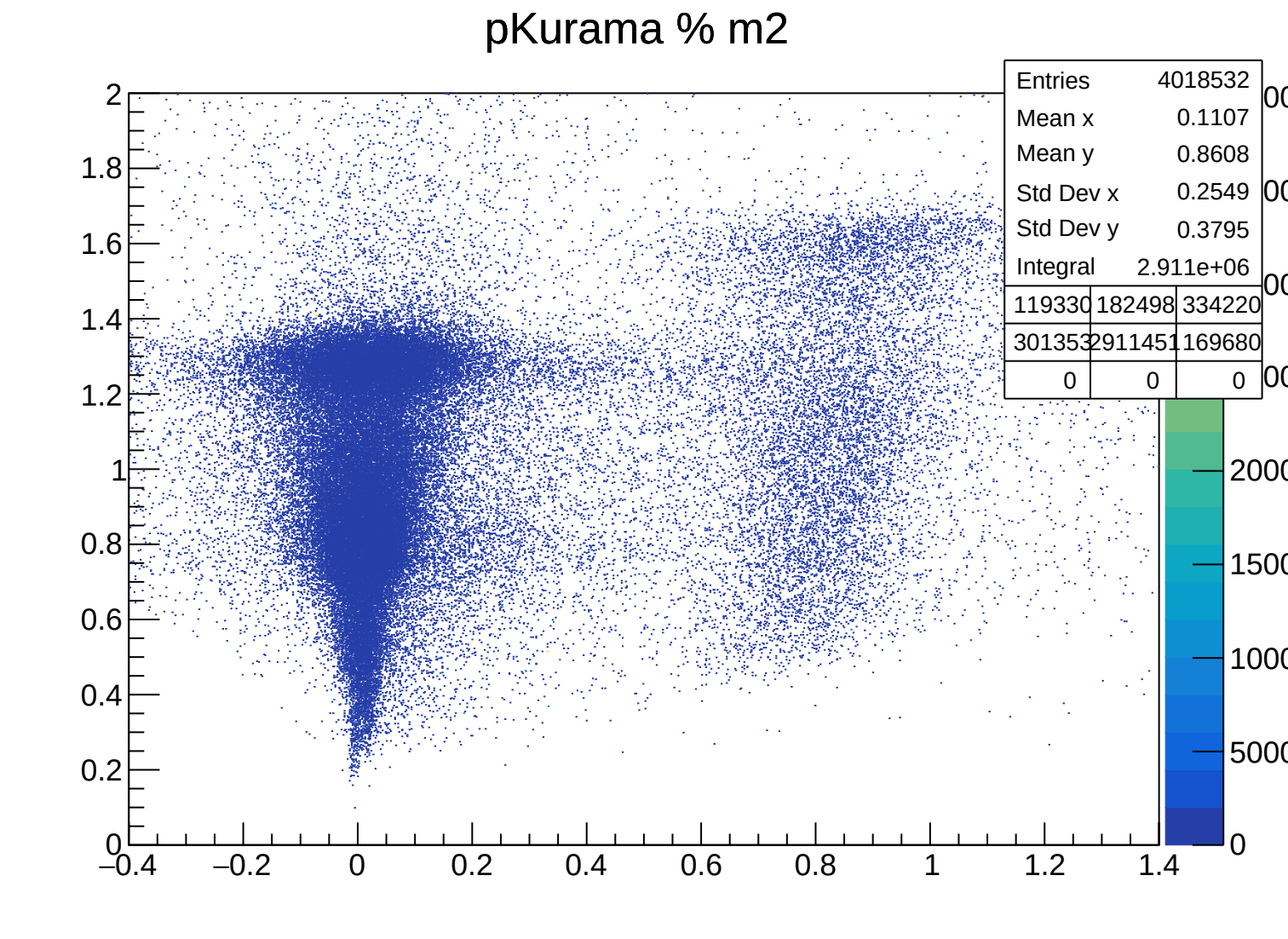

xsacKurama
Entries 4018532
Mean −104.1
Std Dev 89.69
Underflow 0
Overflow 0
Integral 4.019e+06
60000
50000
40000
30000
20000
10000
0
−400
−300
−200
−100
0
100
200
300
400

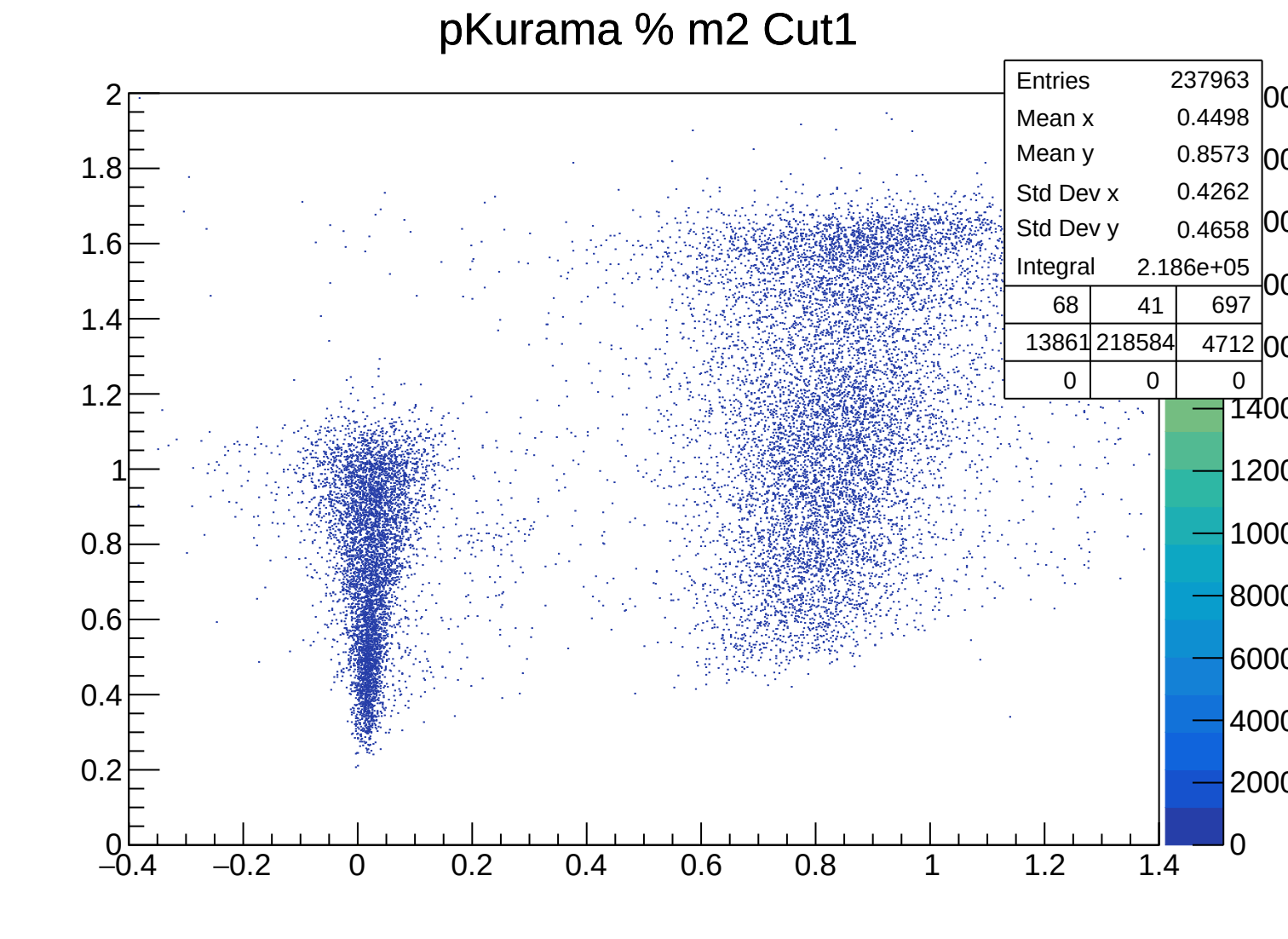

xsacKurama Cut1
Entries 237963
Mean −32.25
Std Dev 107.5
Underflow 0
Overflow 0
Integral 2.38e+05
25000
20000
15000
10000
5000
0
−400
−300
−200
−100
0
100
200
300
400

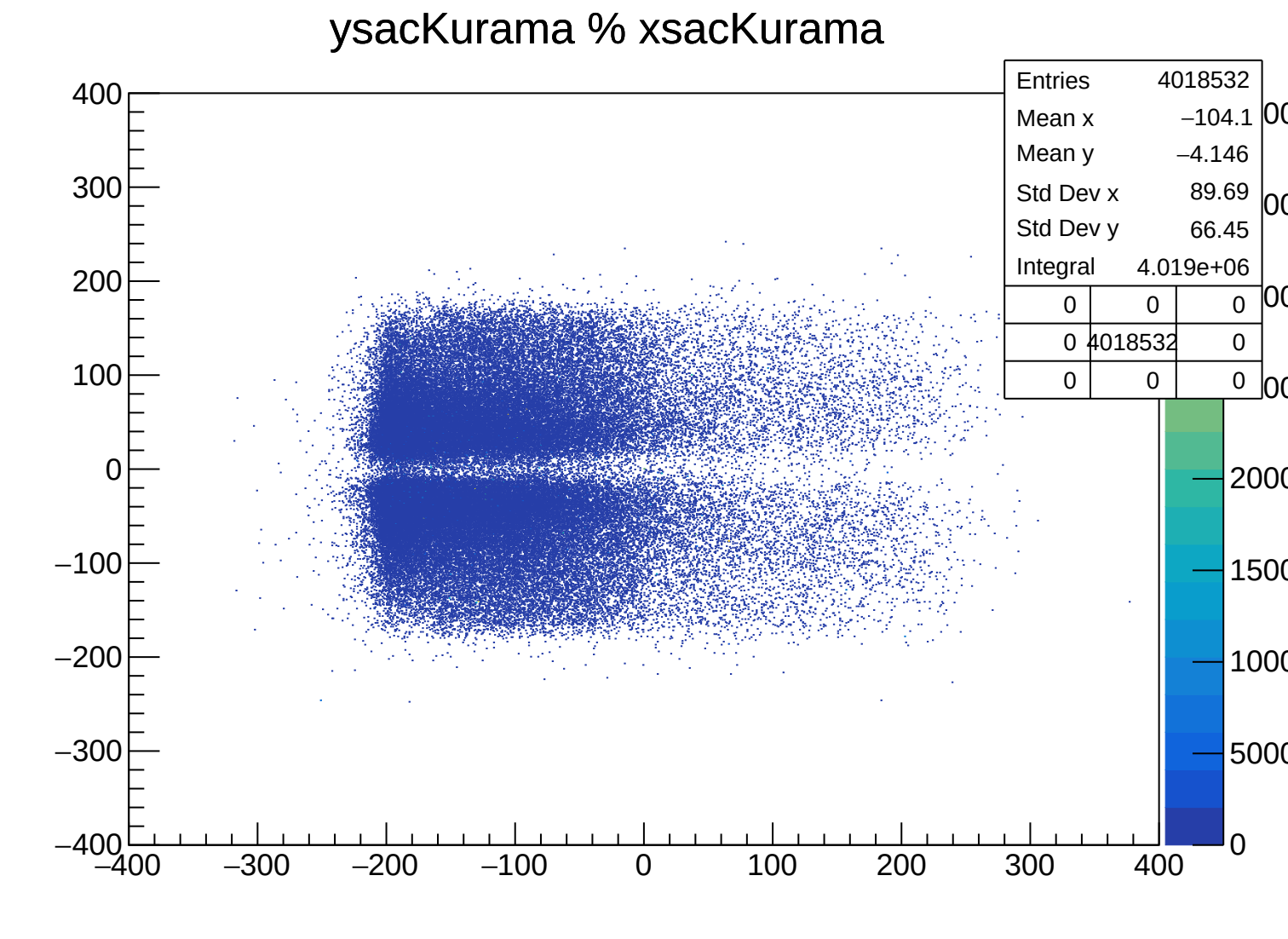

ysacKurama
Entries 4018532
Mean –4.146
Std Dev 66.45
Underflow 0
Overflow 0
Integral 4.019e+06
70000
60000
50000
40000
30000
20000
10000
0
–400
–300
–200
–100
0
100
200
300
400

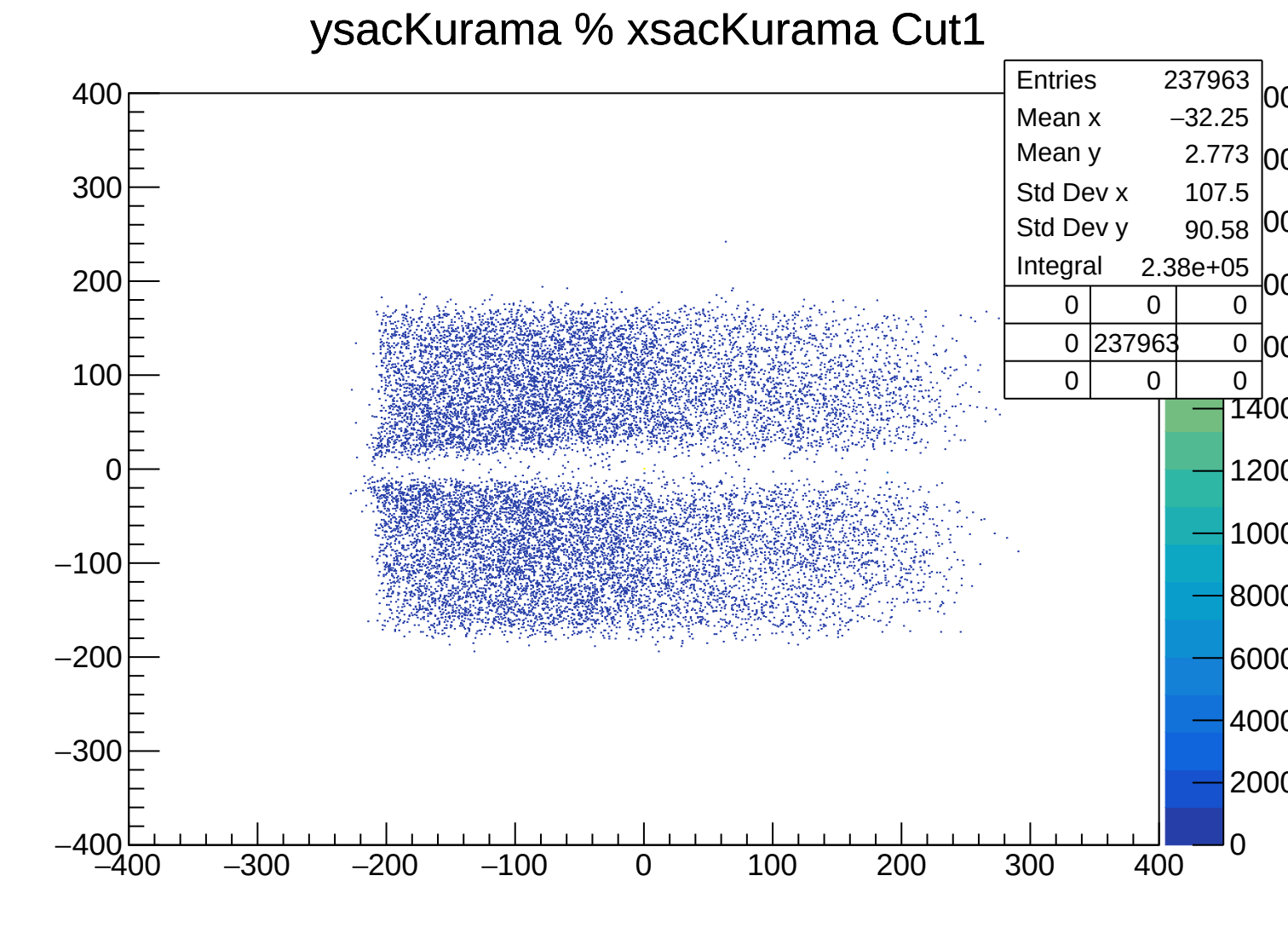

ysacKurama Cut1
Entries 237963
Mean 2.773
Std Dev 90.58
Underflow 0
Overflow 0
Integral 2.38e+05
25000
20000
15000
10000
5000
0
–400
–300
–200
–100
0
100
200
300
400


pKurama % ThetaKurama
Entries 968356
Mean x 7.505
Mean y 0.7938
Std Dev x 6.193
Std Dev y 0.3279
Integral 9.539e+05
0 13565 0
0 953891 900
0 0 0
0 5 10 15 20 25 30 35 40
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 2000 4000 6000 8000 1000 1200 1400


pKurama % m2
Entries 4018532
Mean x 0.1107
Mean y 0.8608
Std Dev x 0.2549
Std Dev y 0.3795
Integral 2.911e+06
119330 182498 334220
301353 291145 169680
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
2000
1500
1000
500
0


pKurama % m2 Cut1
Entries 237963
Mean x 0.4498
Mean y 0.8573
Std Dev x 0.4262
Std Dev y 0.4658
Integral 2.186e+05
68 41 697
13861 218584 4712
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
1400
1200
1000
800
600
400
200
0


ysacKurama % xsacKurama
Entries 4018532
Mean x −104.1
Mean y −4.146
Std Dev x 89.69
Std Dev y 66.45
Integral 4.019e+06
0 0 0
0 4018532 0
0 0 0
400
300
200
100
0
−100
−200
−300
−400
−400 −300 −200 −100 0 100 200 300 400
2000
1500
1000
500
0


ysacKurama % xsacKurama Cut1
Entries 237963
Mean x –32.25
Mean y 2.773
Std Dev x 107.5
Std Dev y 90.58
Integral 2.38e+05
0 0 0
0 237963 0
0 0 0
400
300
200
100
0
–100
–200
–300
–400
–400 –300 –200 –100 0 100 200 300 400
1400
1200
1000
800
600
400
200
0