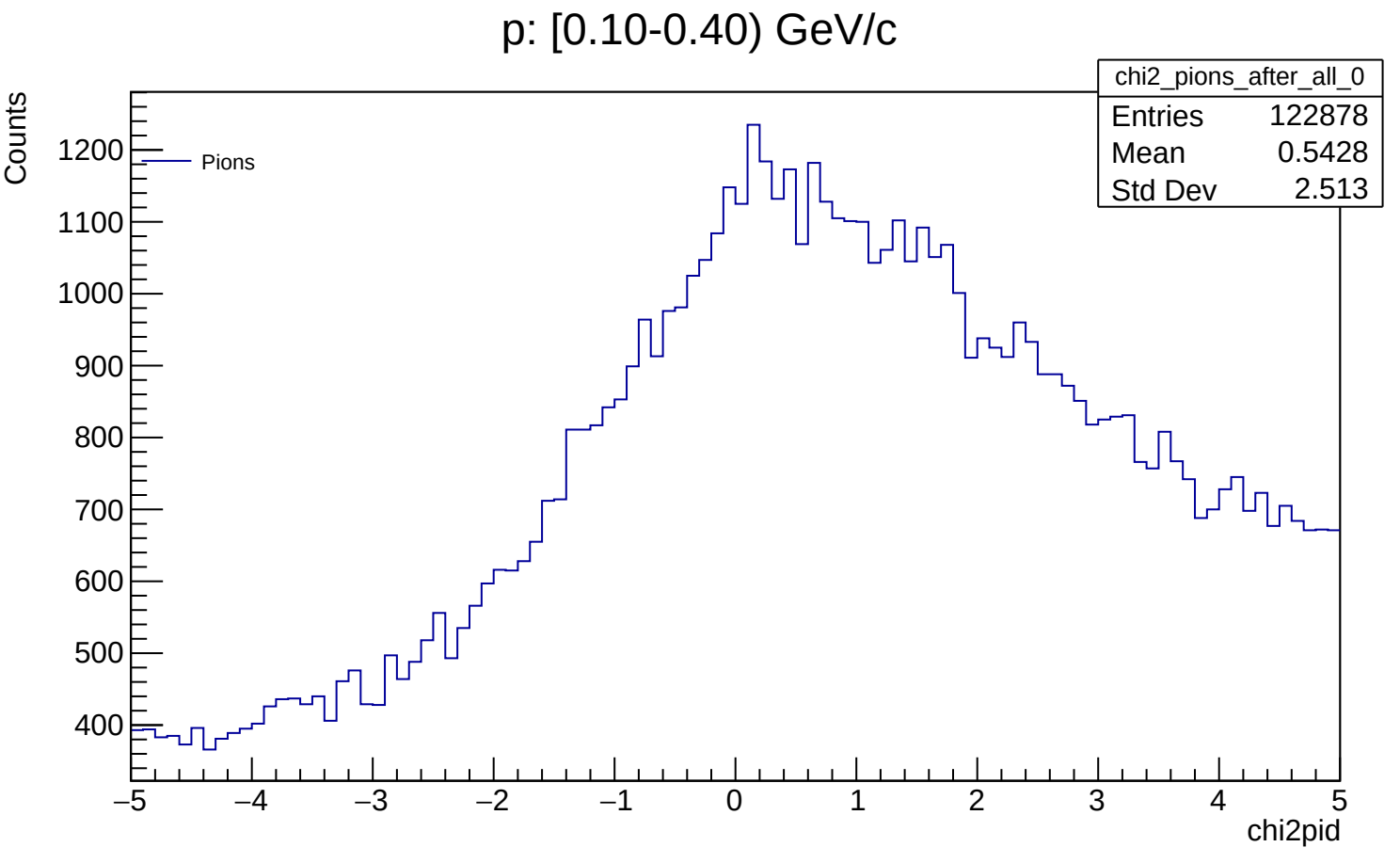
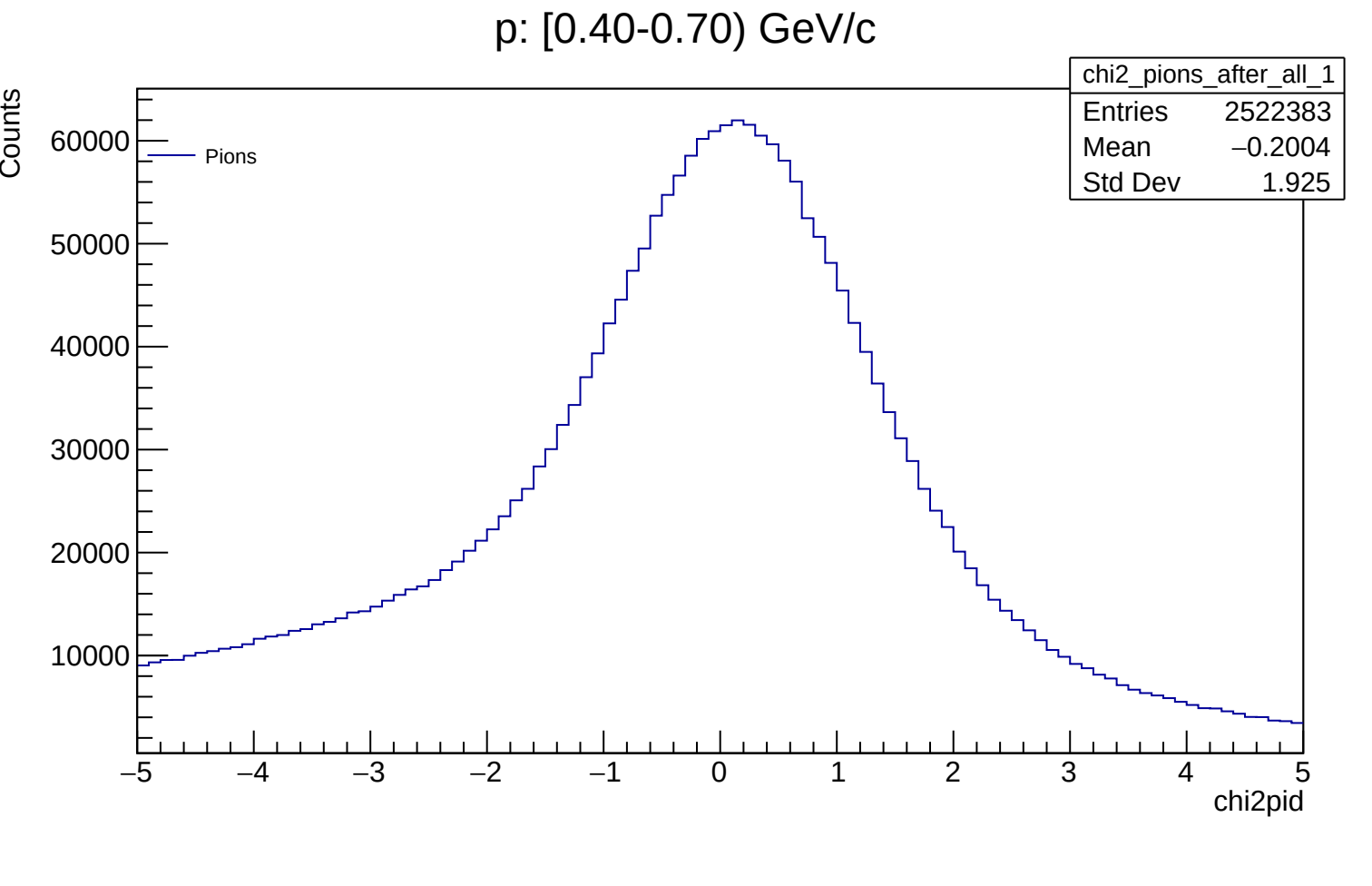
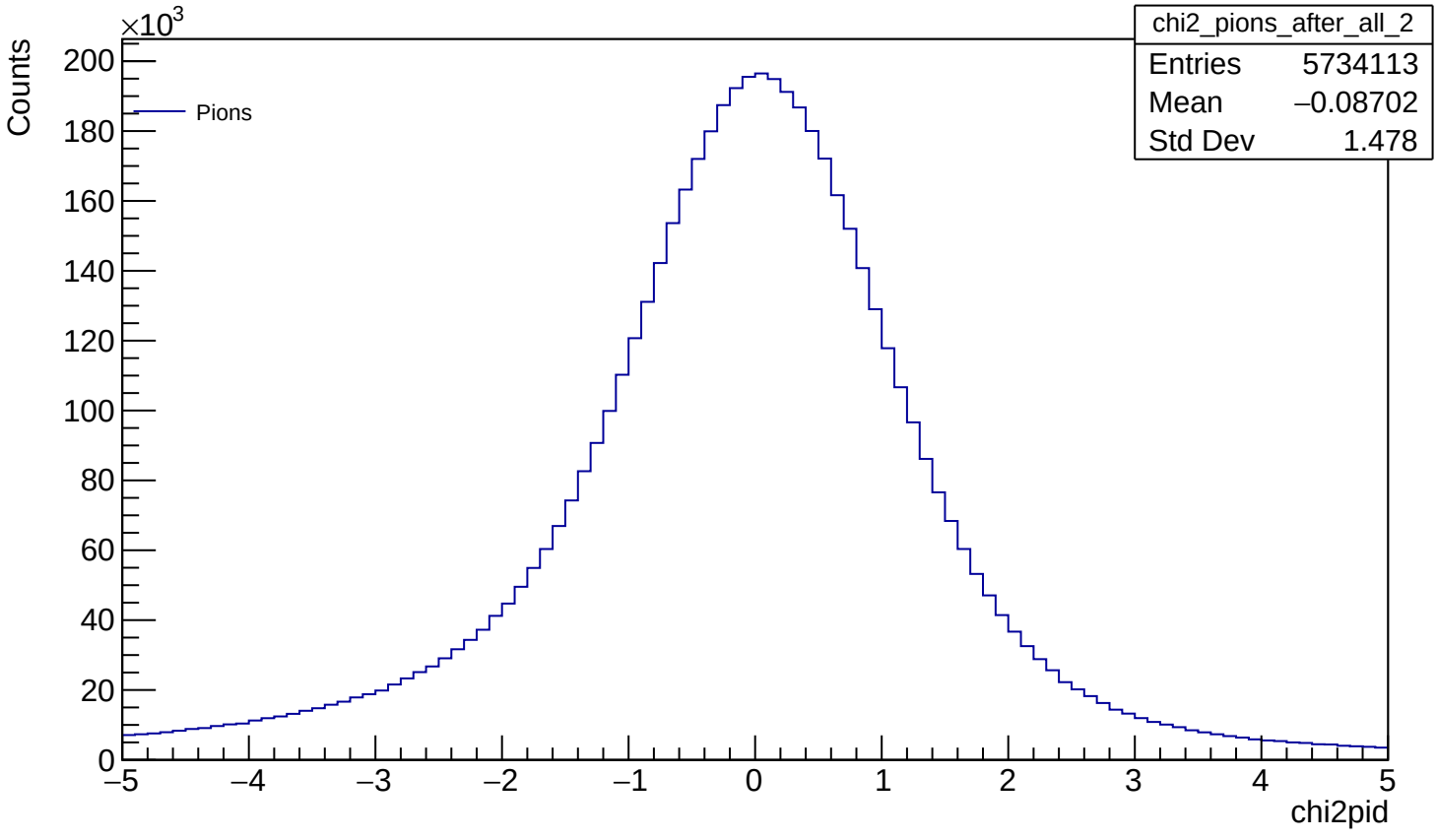
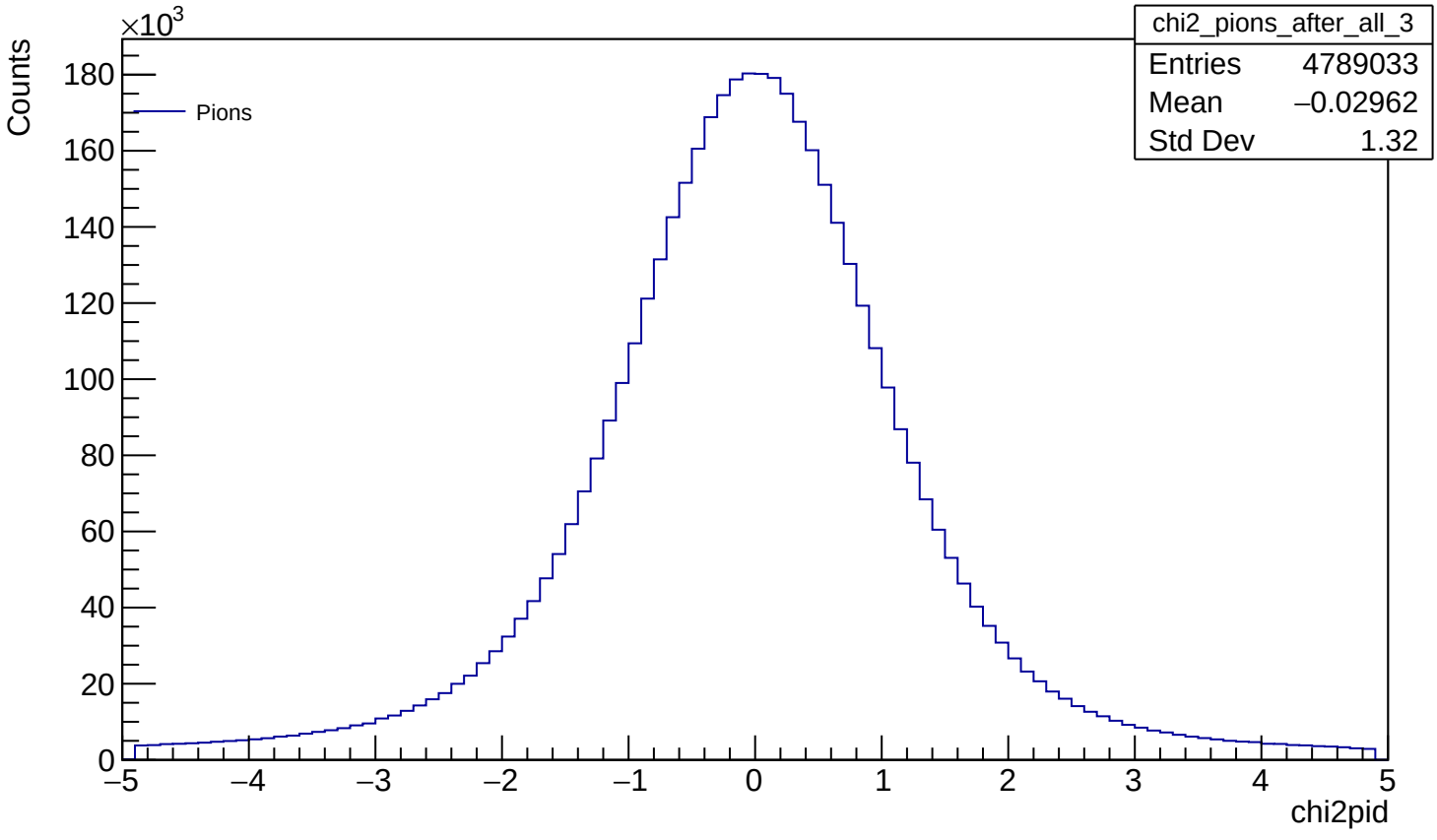
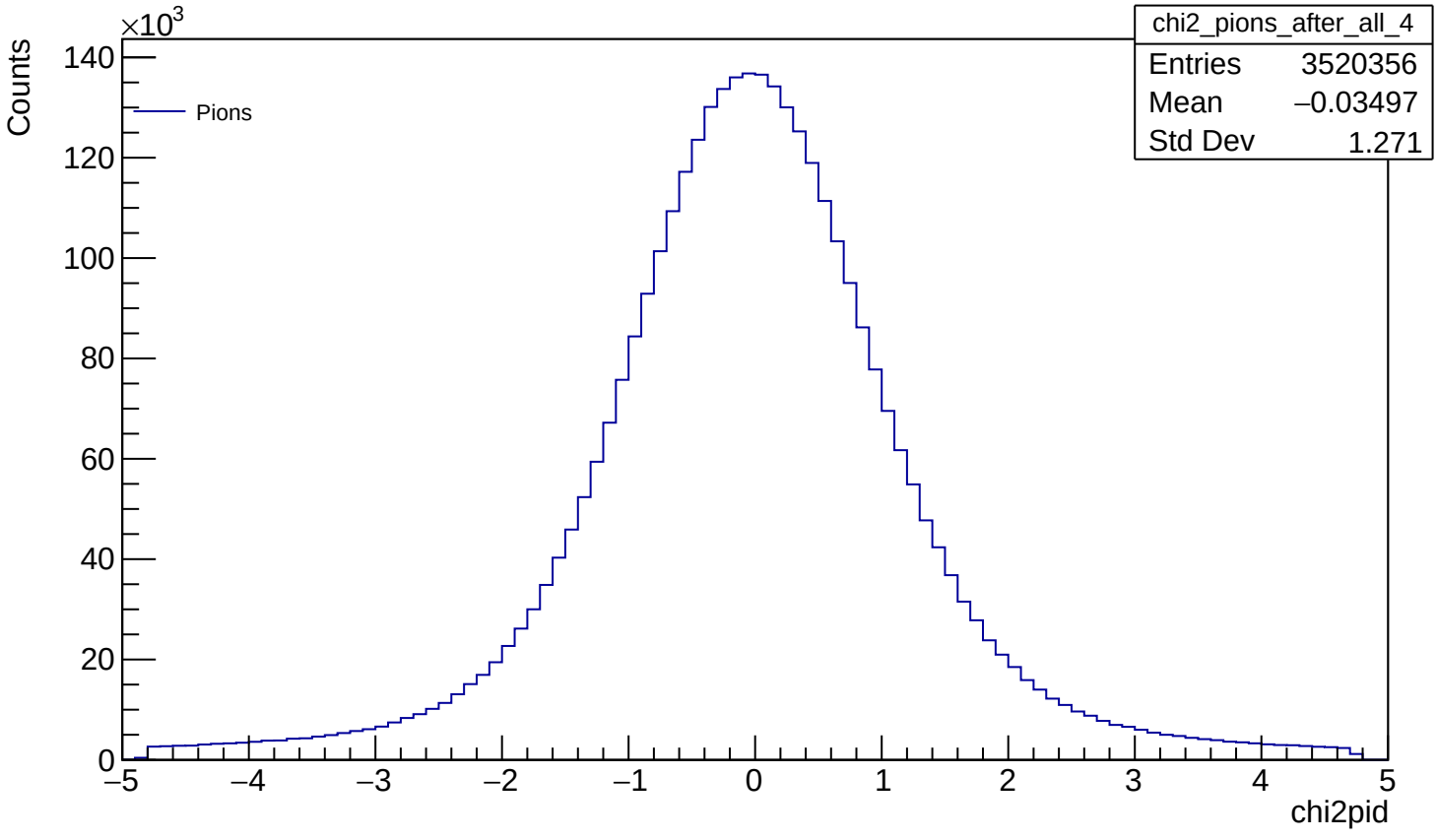
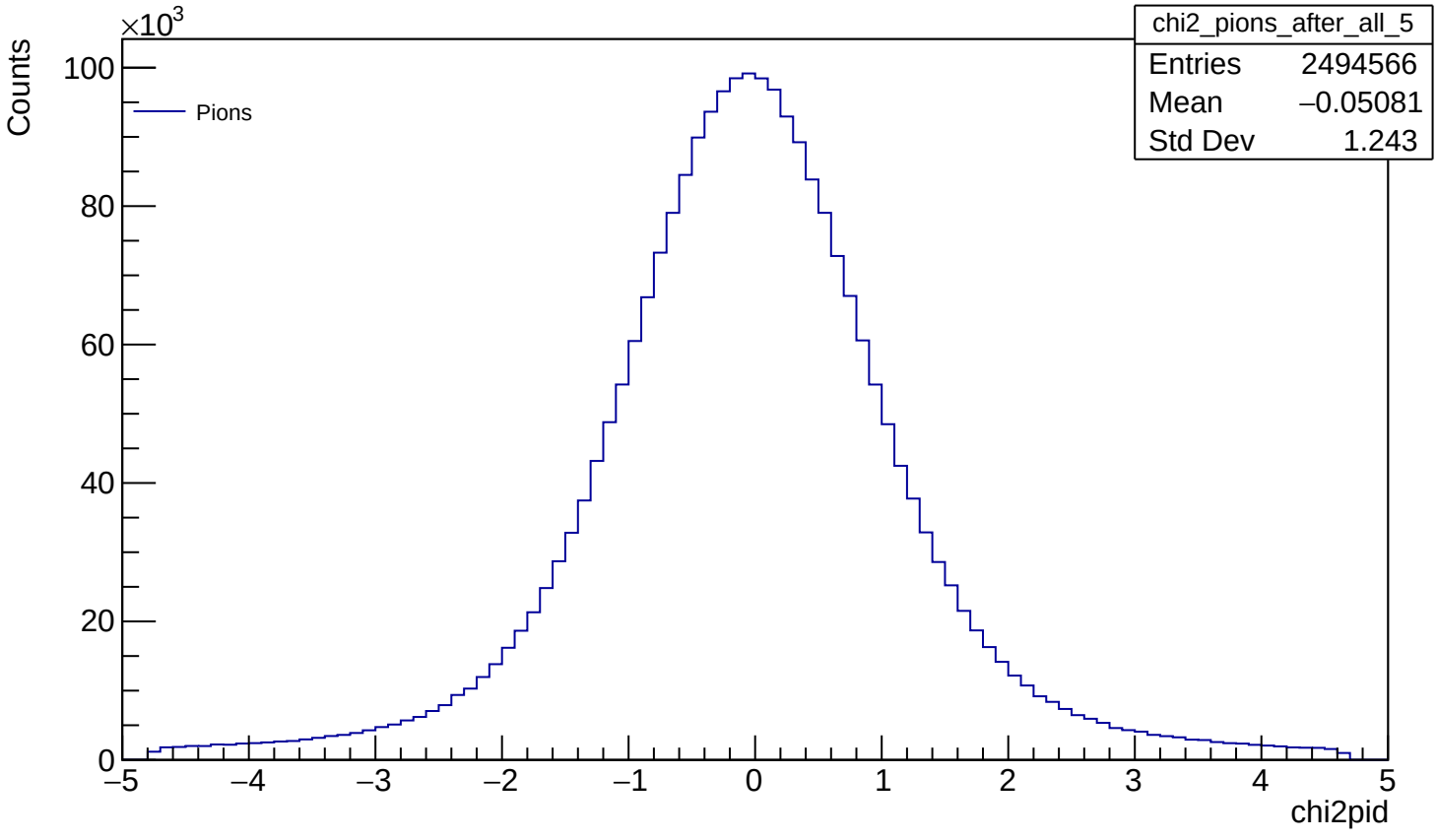

p: [0.10-0.40) GeV/c
chi2_pions_after_all_0
Entries 122878
Mean 0.5428
Std Dev 2.513
Pions
Counts
1200
1100
1000
900
800
700
600
500
400
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

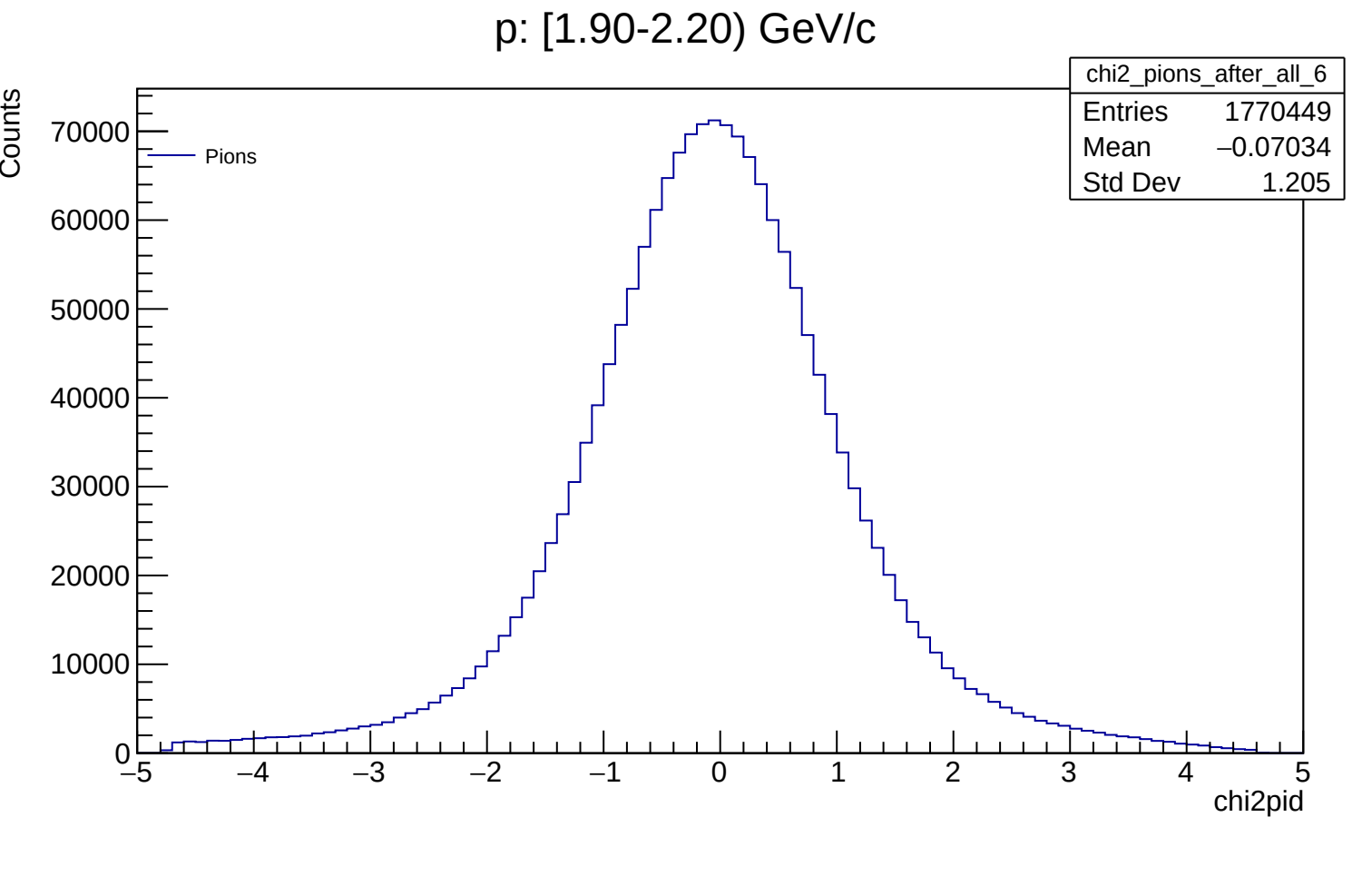

p: [0.40-0.70) GeV/c
chi2_pions_after_all_1
Entries 2522383
Mean −0.2004
Std Dev 1.925
Pions
Counts
60000
50000
40000
30000
20000
10000
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

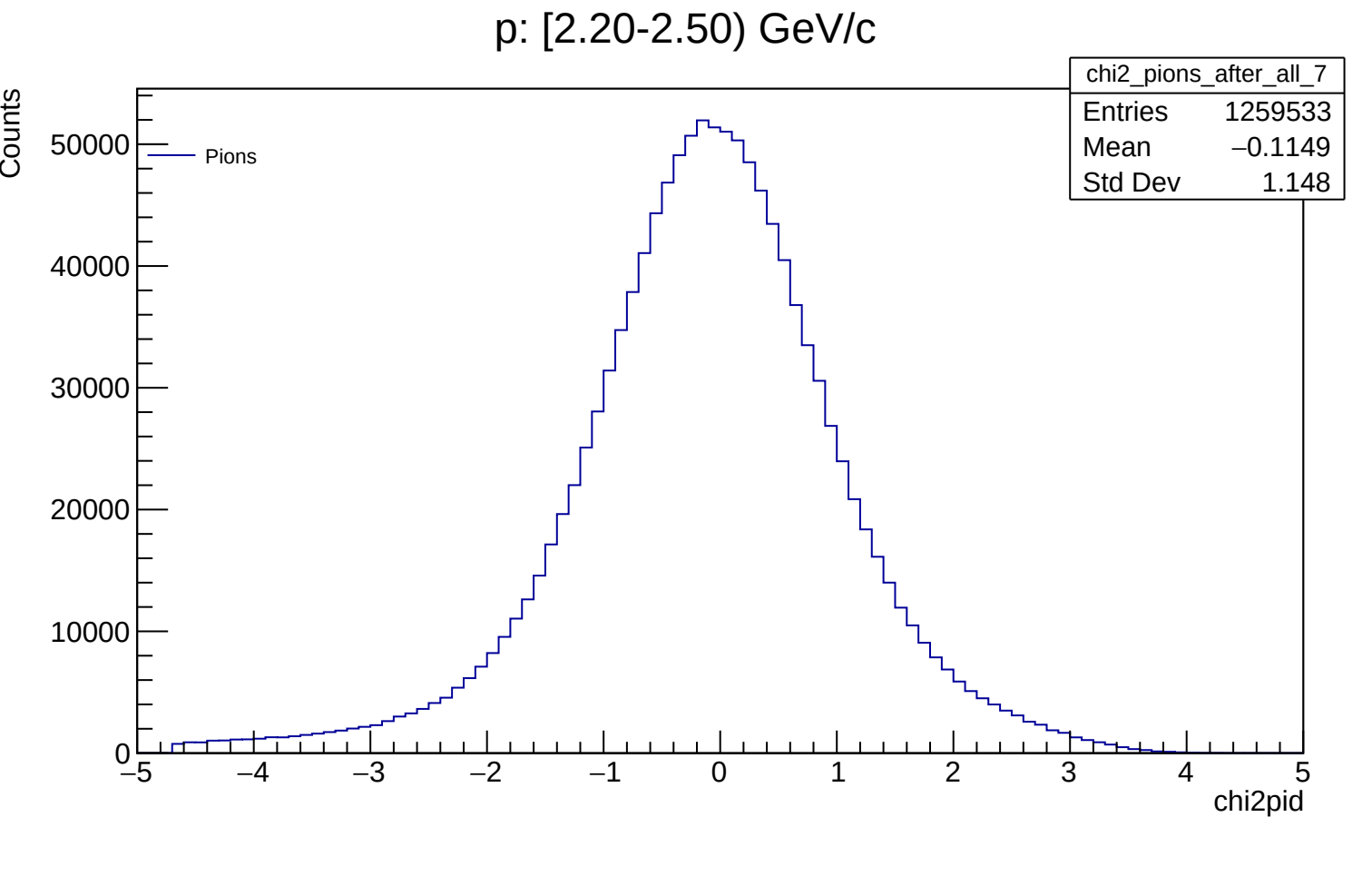

p: [0.70-1.00) GeV/c
chi2_pions_after_all_2
Entries 5734113
Mean −0.08702
Std Dev 1.478
Pions
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

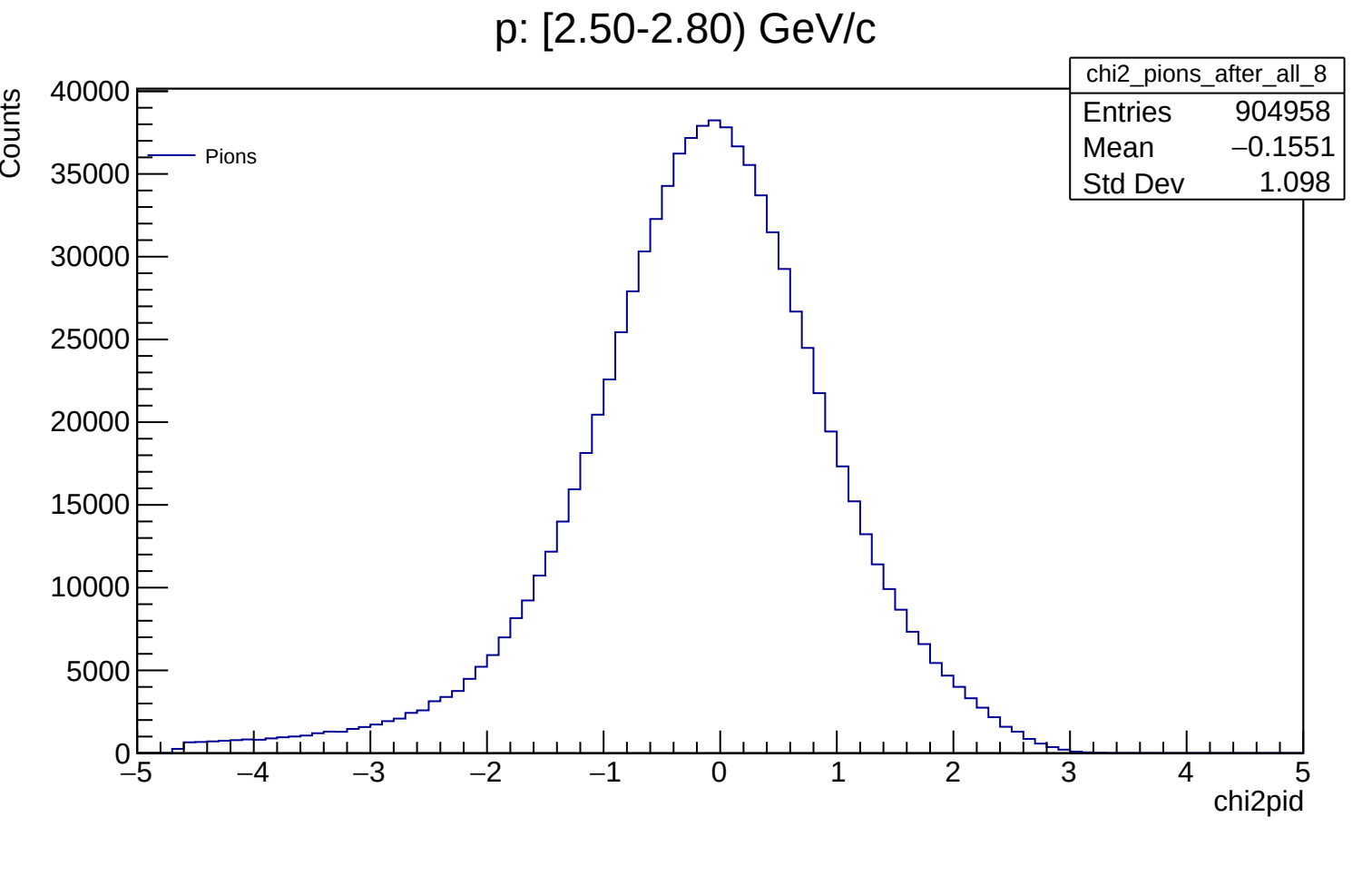

p: [1.00-1.30) GeV/c
chi2_pions_after_all_3
Entries 4789033
Mean −0.02962
Std Dev 1.32
Pions
Counts
×10^3
180
160
140
120
100
80
60
40
20
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

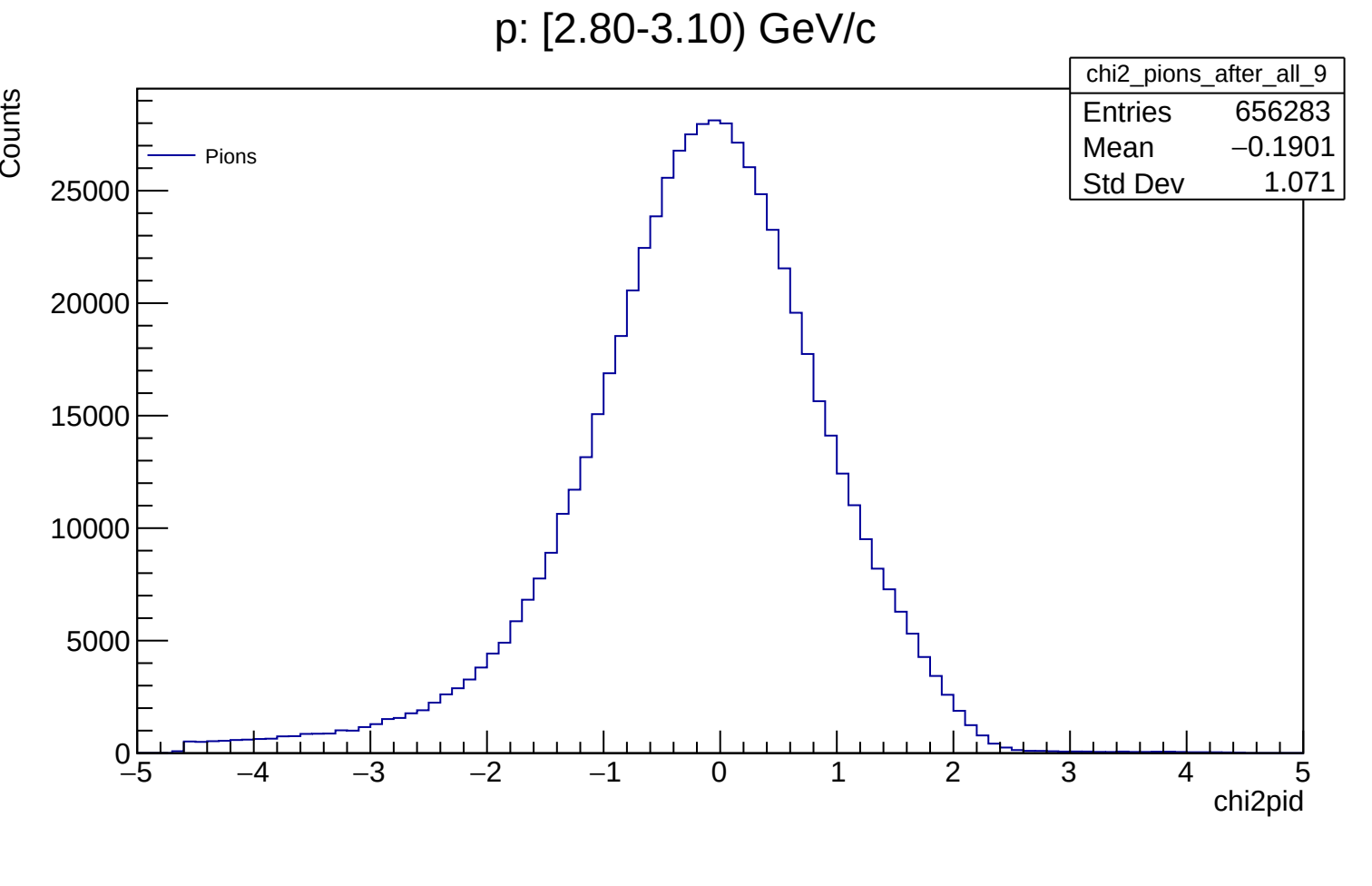

p: [1.30-1.60) GeV/c
chi2_pions_after_all_4
Entries 3520356
Mean −0.03497
Std Dev 1.271
Pions
Counts
×10^3
140
120
100
80
60
40
20
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

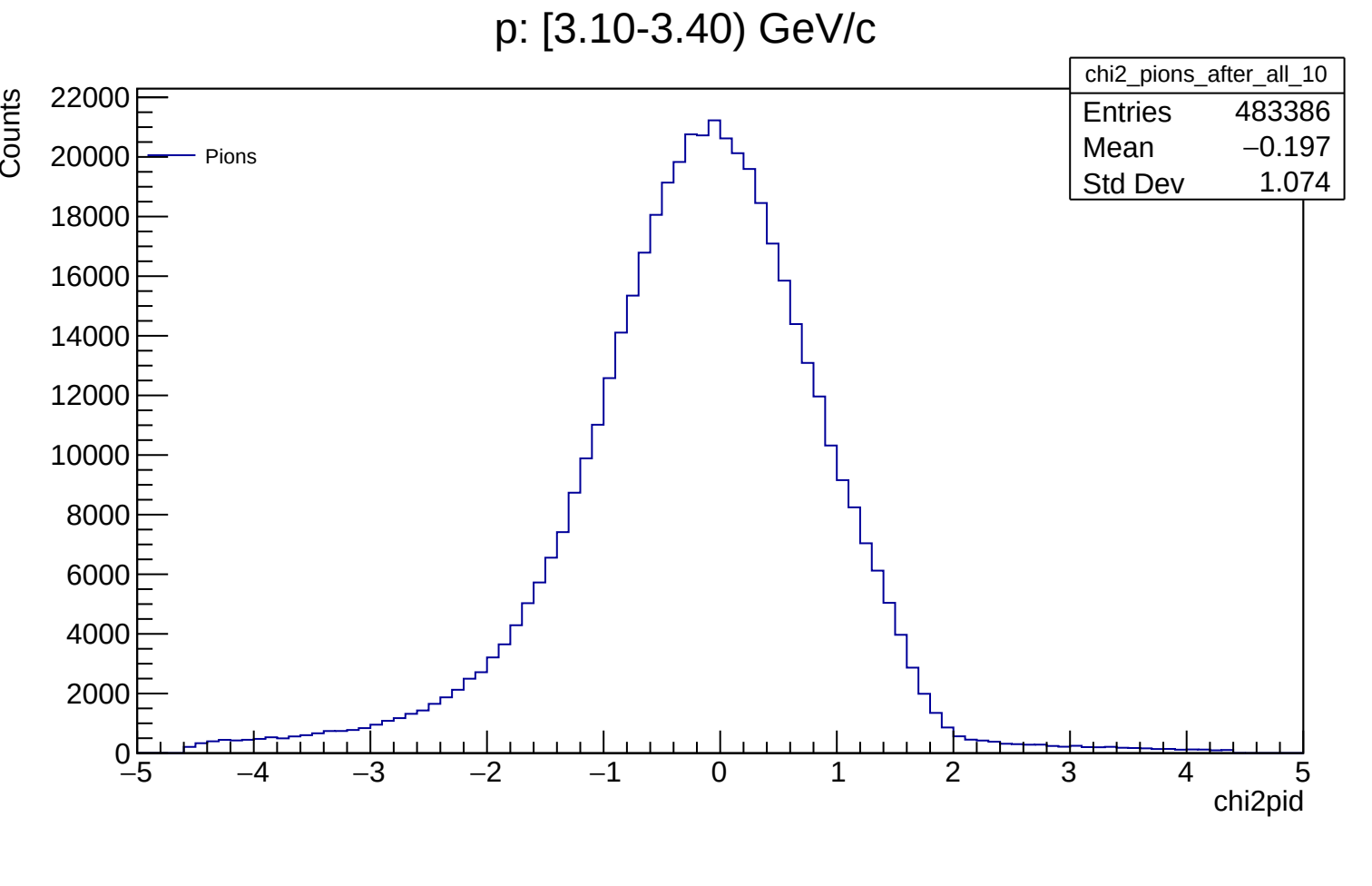

p: [1.60-1.90) GeV/c
×10^3
Counts
Pions
chi2_pions_after_all_5
Entries 2494566
Mean −0.05081
Std Dev 1.243
100
80
60
40
20
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

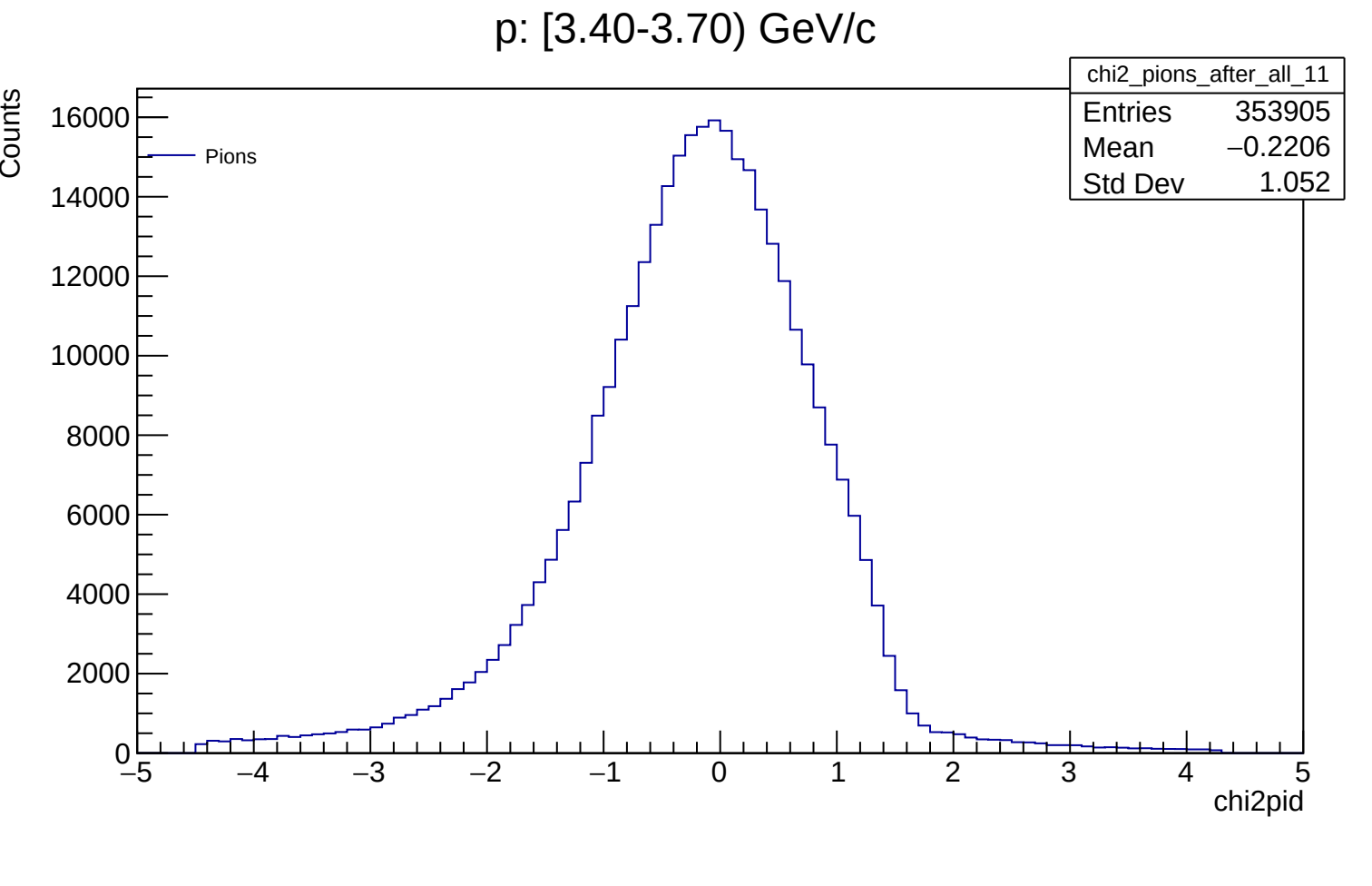

p: [1.90-2.20) GeV/c
chi2_pions_after_all_6
Entries 1770449
Mean −0.07034
Std Dev 1.205
Pions
Counts
70000
60000
50000
40000
30000
20000
10000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

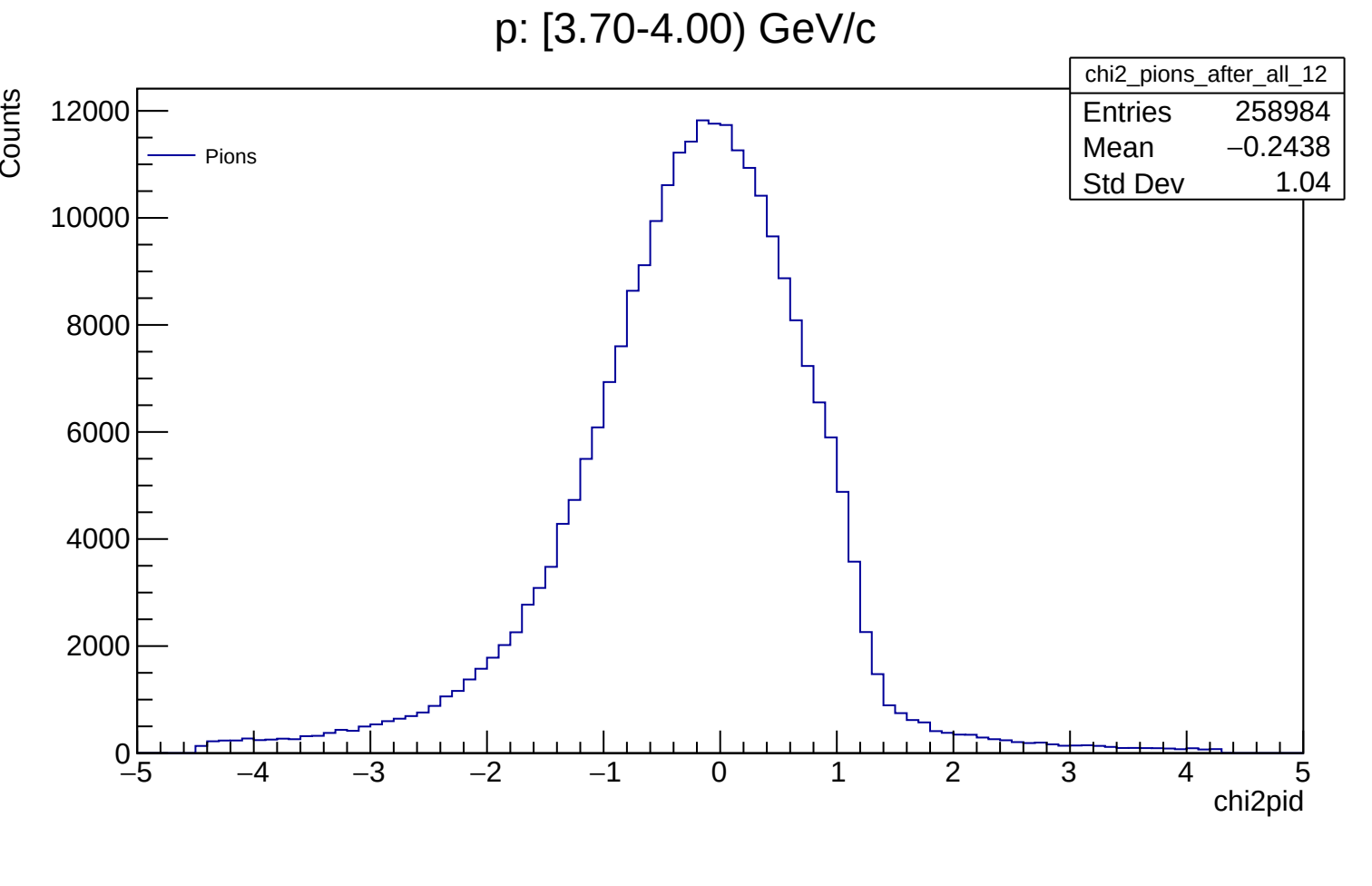

p: [2.20-2.50) GeV/c
chi2_pions_after_all_7
Entries 1259533
Mean −0.1149
Std Dev 1.148
Pions
Counts
50000
40000
30000
20000
10000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

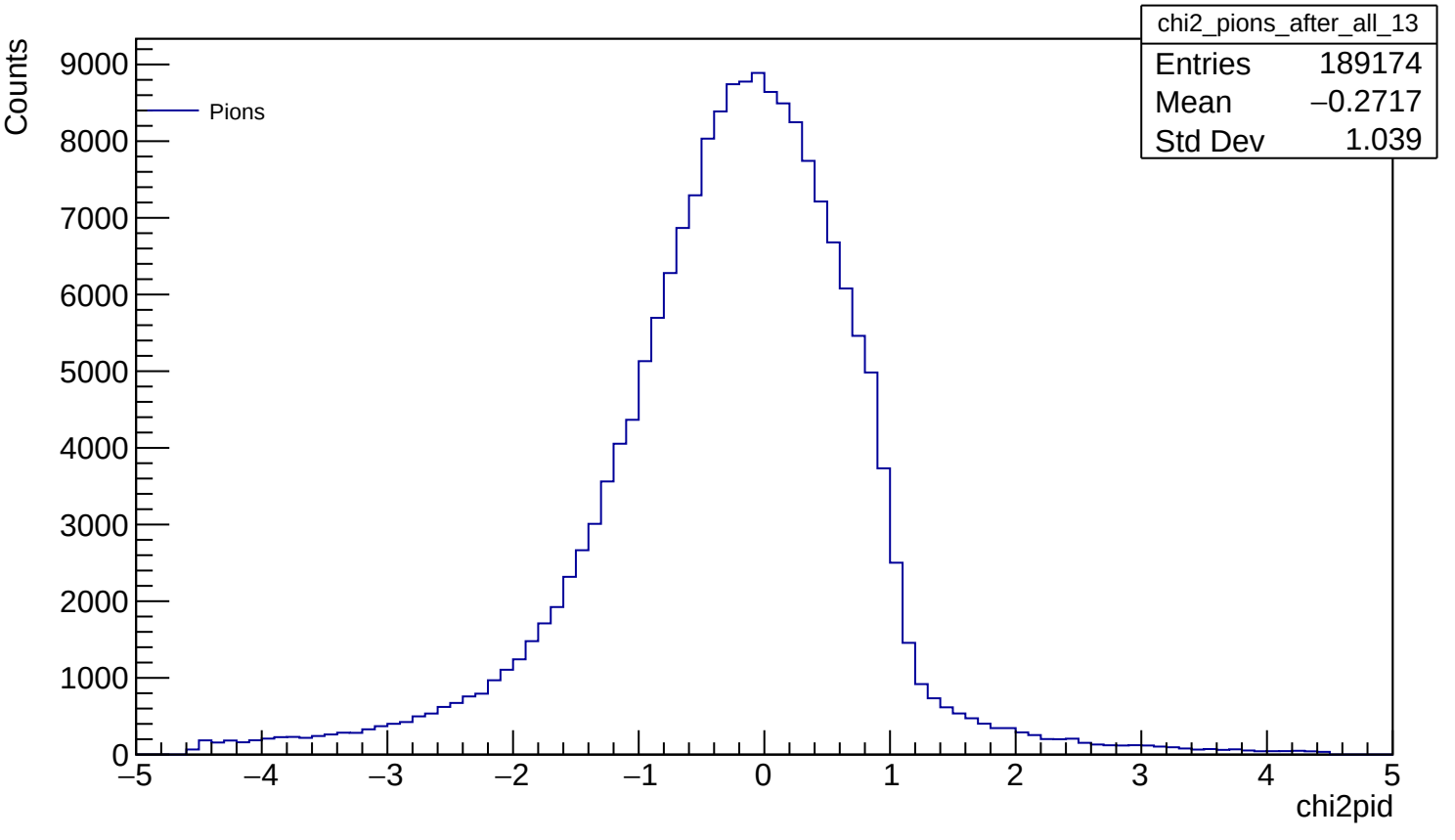

p: [2.50-2.80) GeV/c
chi2_pions_after_all_8
Entries 904958
Mean −0.1551
Std Dev 1.098
Pions
Counts
40000
35000
30000
25000
20000
15000
10000
5000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

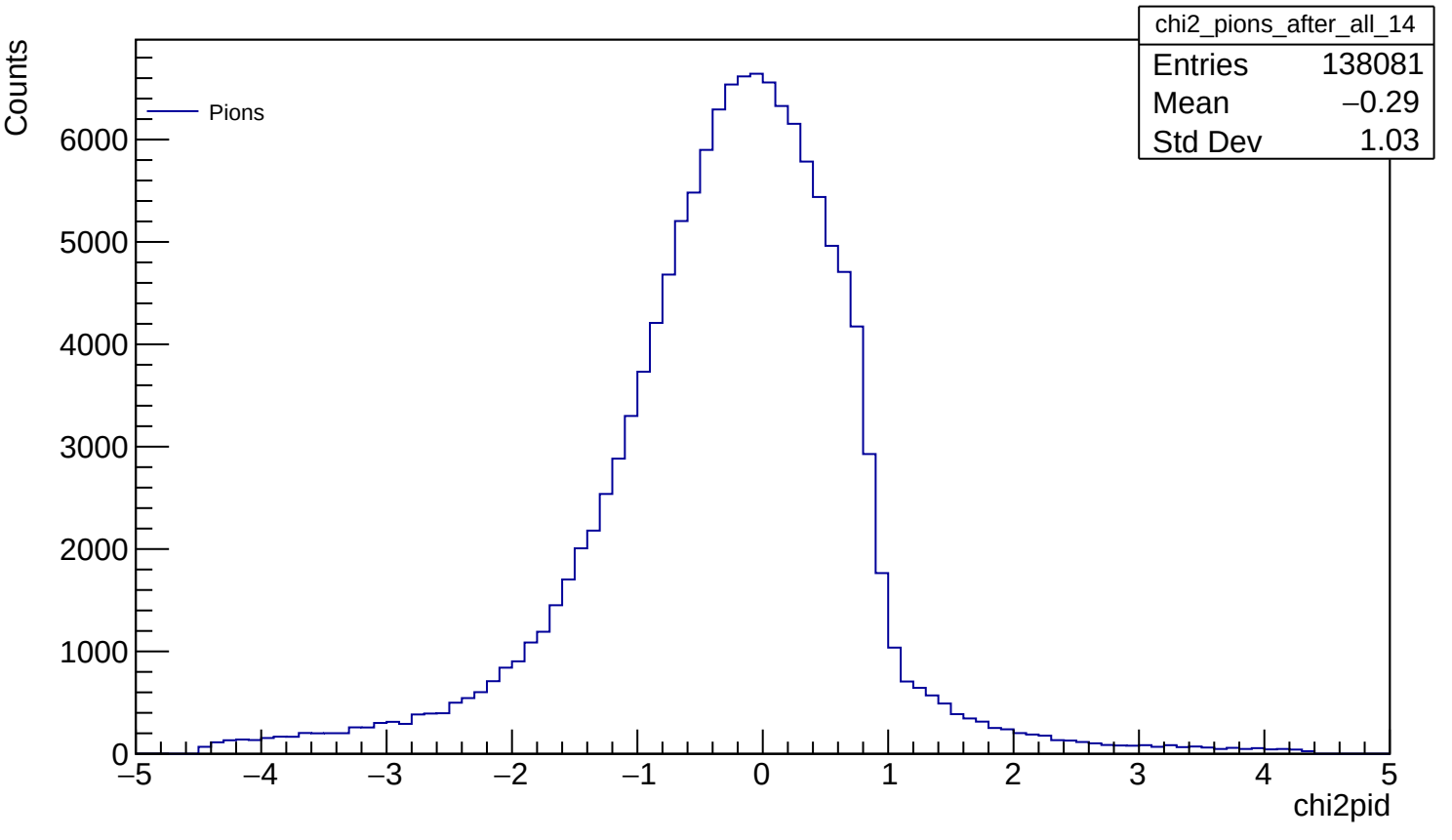

p: [2.80-3.10) GeV/c
chi2_pions_after_all_9
Entries 656283
Mean −0.1901
Std Dev 1.071
Pions
Counts
25000
20000
15000
10000
5000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

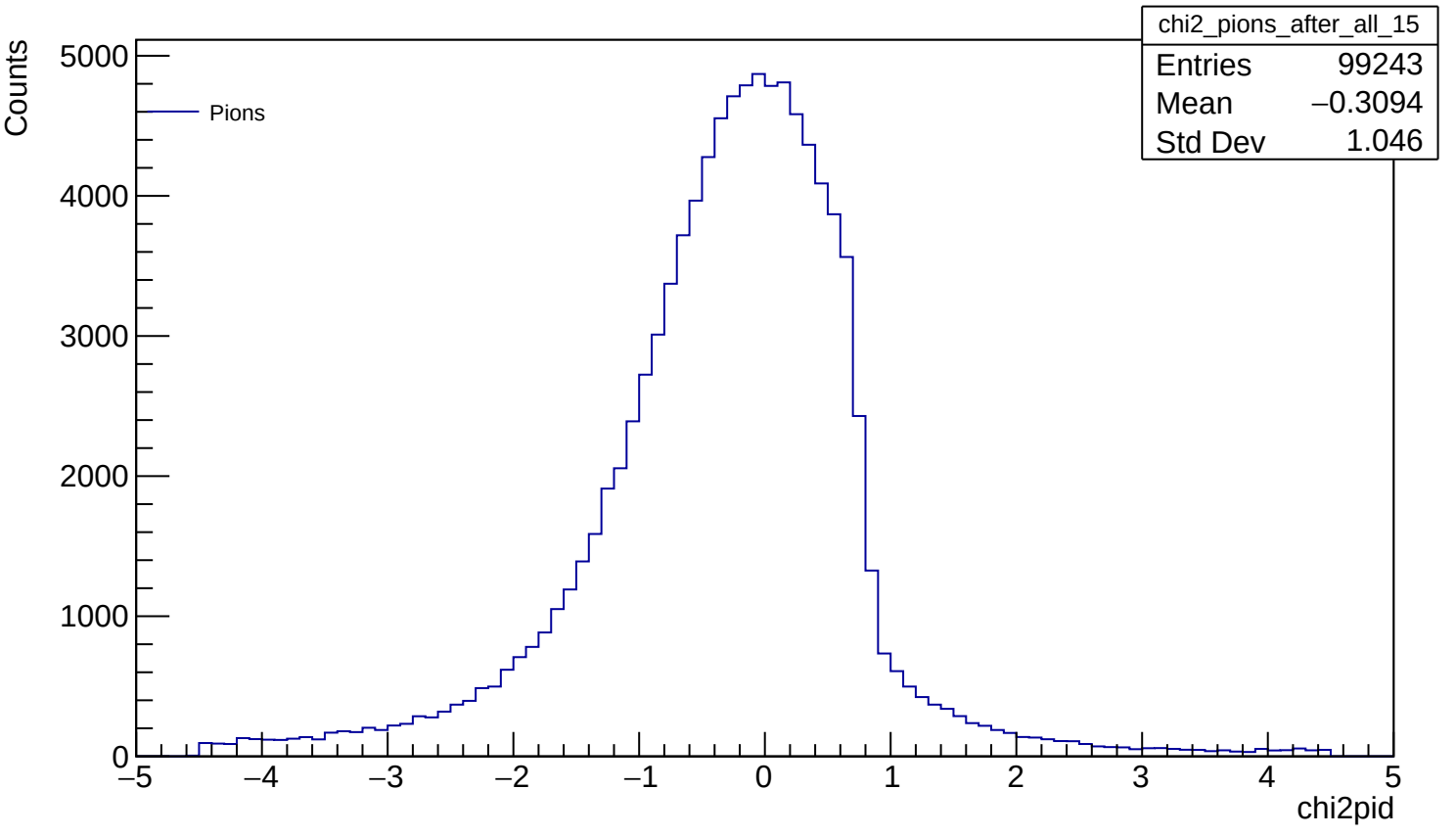

p: [3.10-3.40) GeV/c
chi2_pions_after_all_10
Entries 483386
Mean −0.197
Std Dev 1.074
Pions
Counts
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

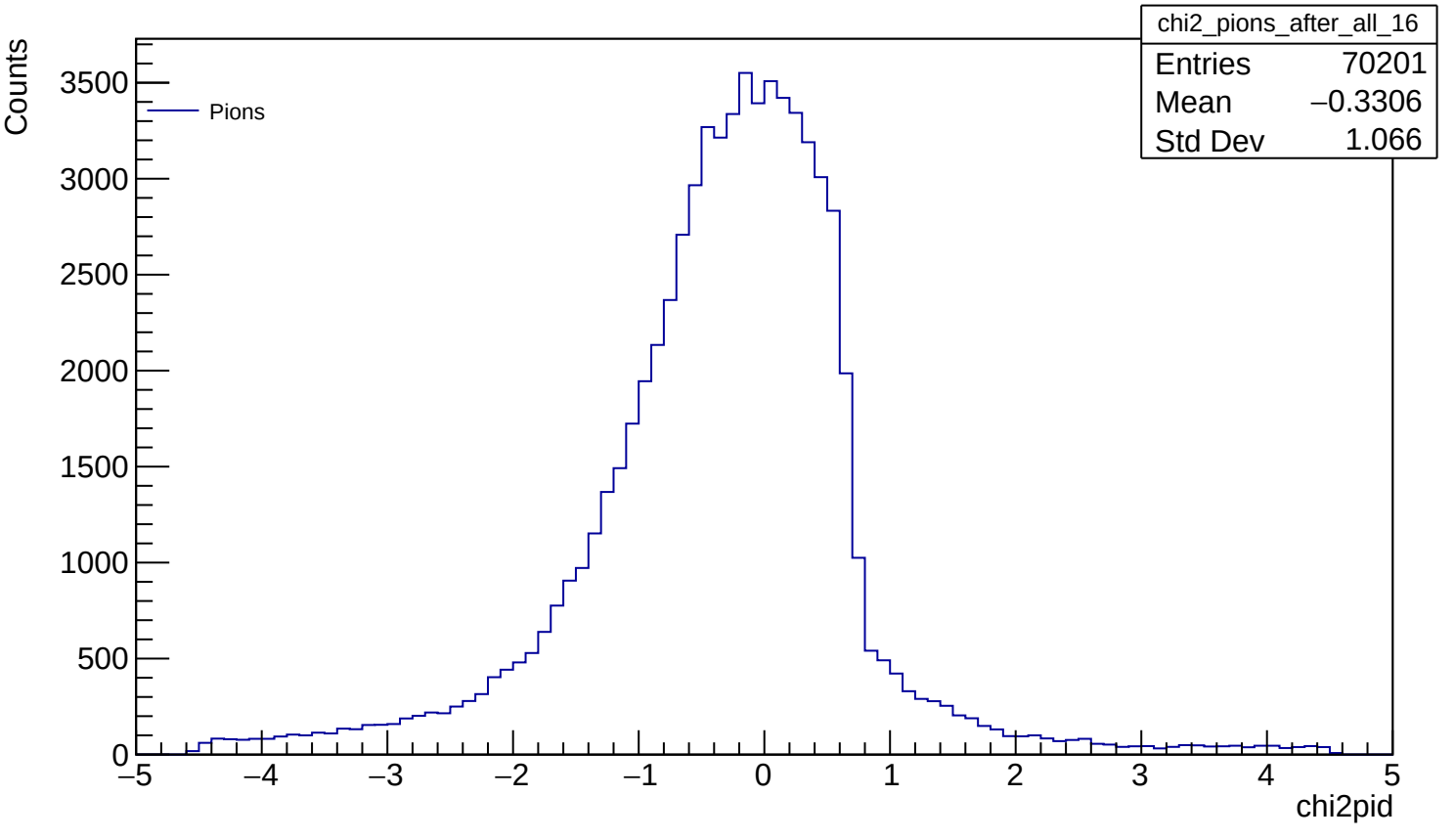

p: [3.40-3.70) GeV/c
chi2_pions_after_all_11
Entries 353905
Mean −0.2206
Std Dev 1.052
Pions
Counts
16000
14000
12000
10000
8000
6000
4000
2000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

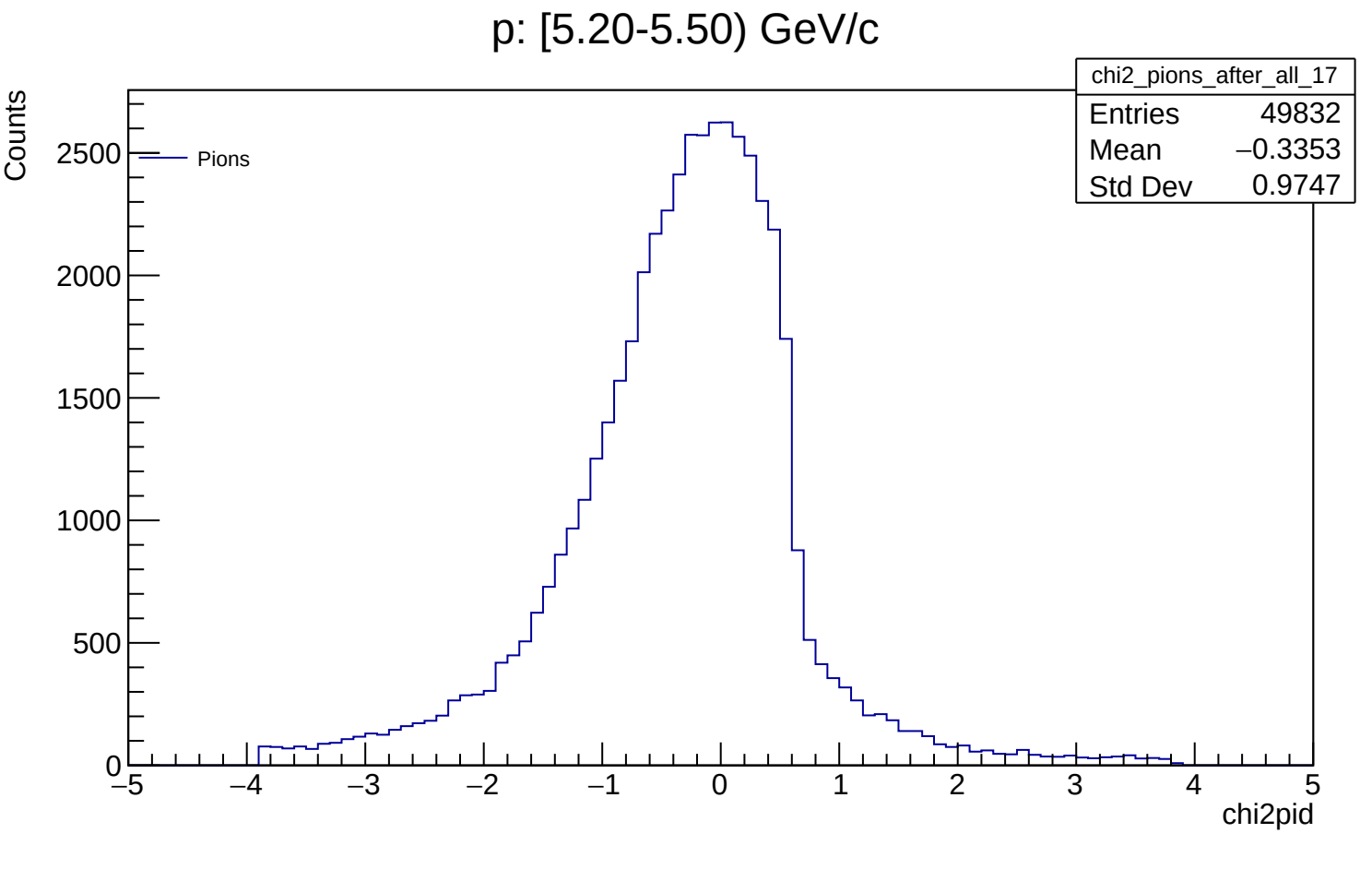

p: [3.70-4.00) GeV/c
chi2_pions_after_all_12
Entries 258984
Mean −0.2438
Std Dev 1.04
Pions
Counts
chi2pid
12000
10000
8000
6000
4000
2000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

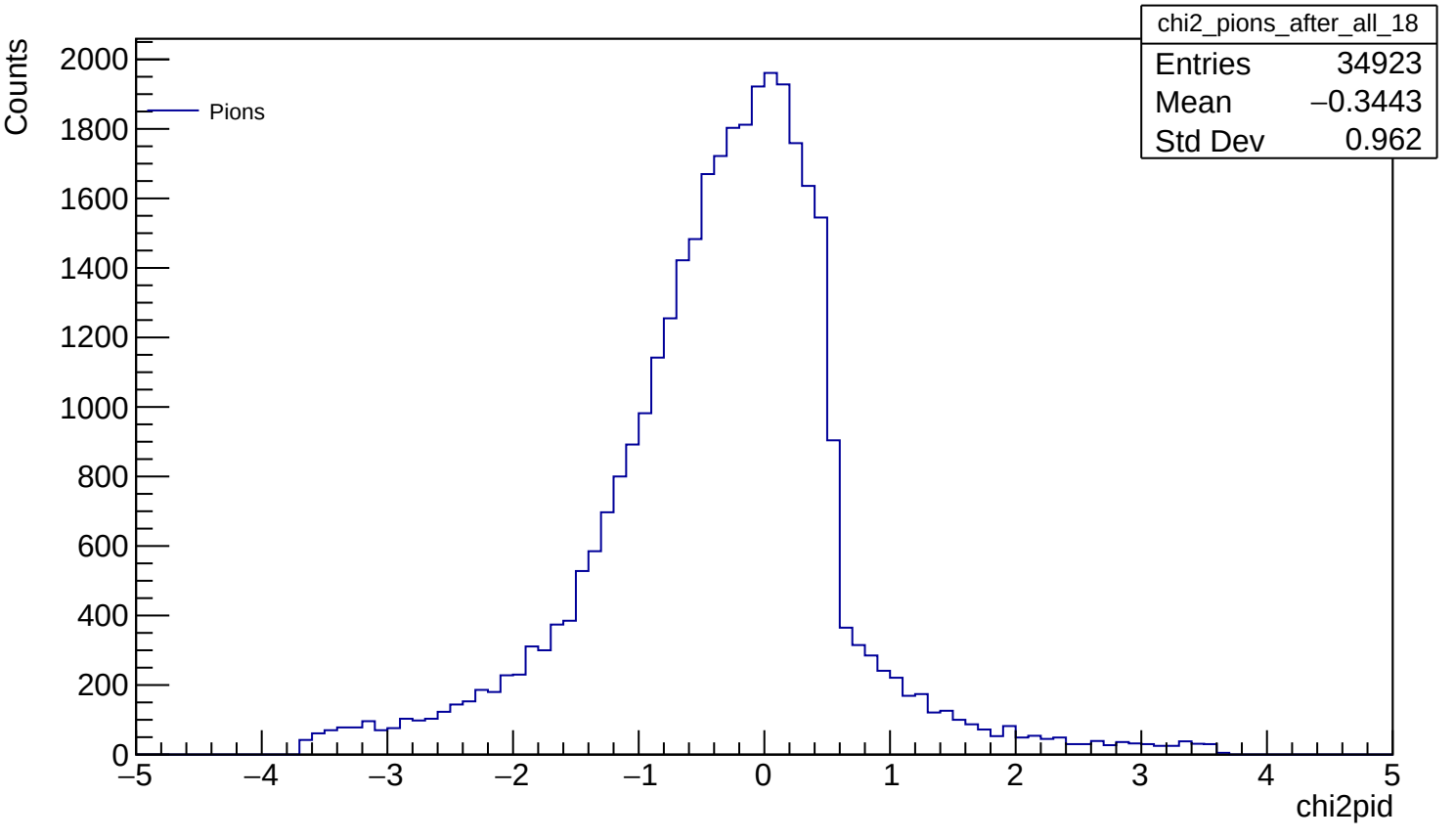

p: [4.00-4.30) GeV/c
chi2_pions_after_all_13
Entries 189174
Mean −0.2717
Std Dev 1.039
Pions
Counts
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

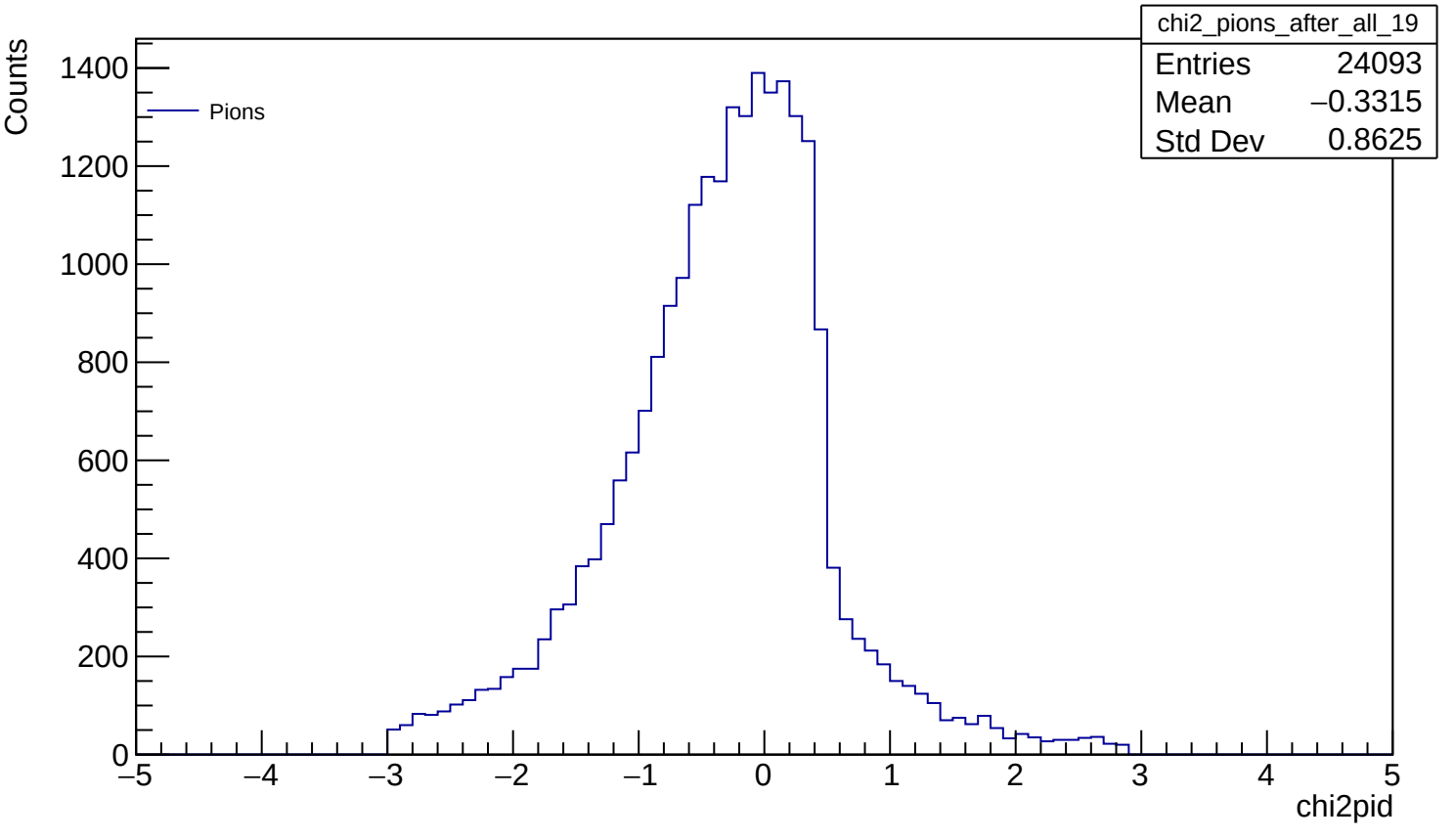

p: [4.30-4.60) GeV/c
chi2_pions_after_all_14
Entries 138081
Mean −0.29
Std Dev 1.03
Pions
Counts
6000
5000
4000
3000
2000
1000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

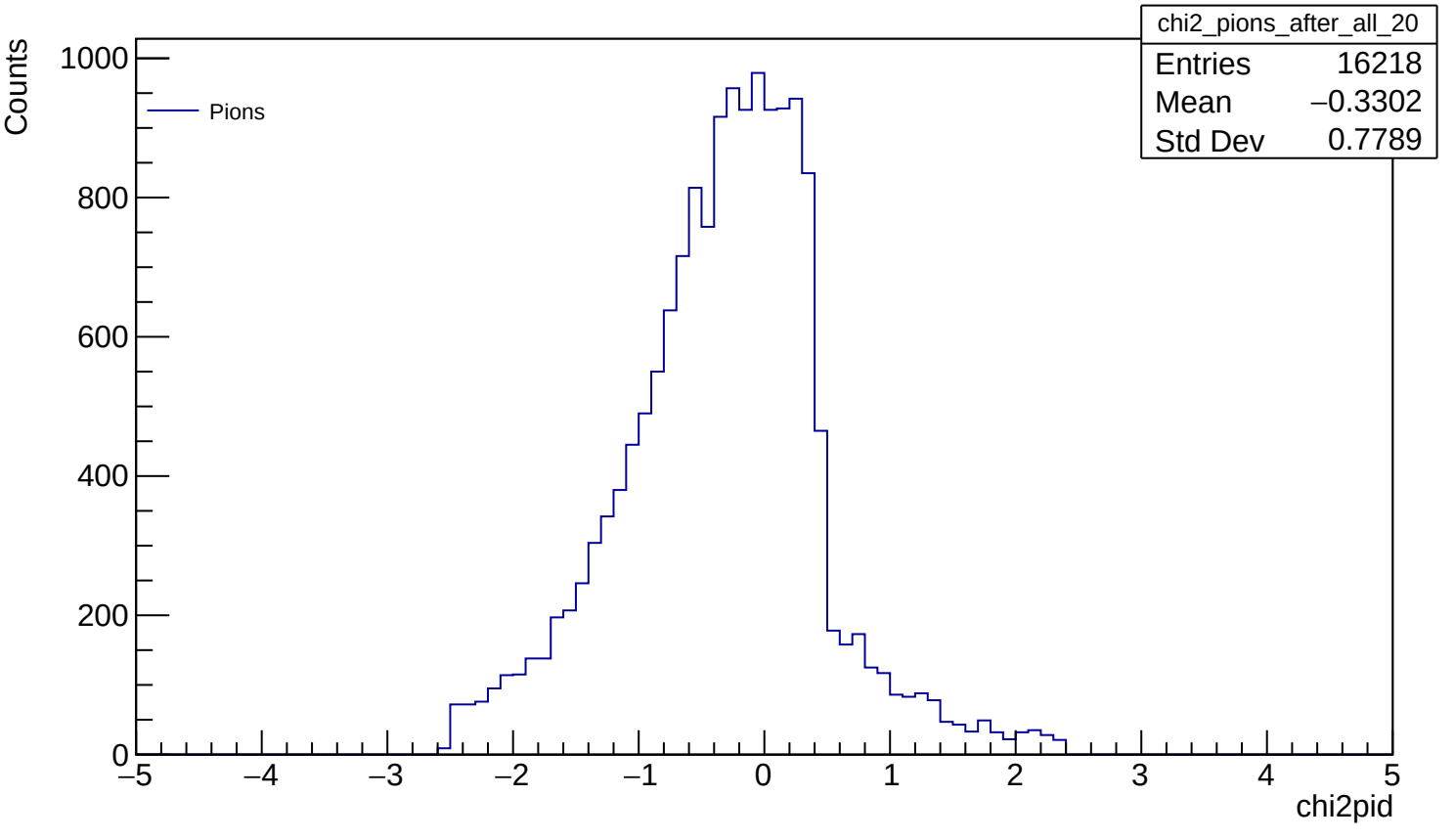

p: [4.60-4.90) GeV/c
chi2_pions_after_all_15
Entries 99243
Mean −0.3094
Std Dev 1.046
Pions
Counts
5000
4000
3000
2000
1000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

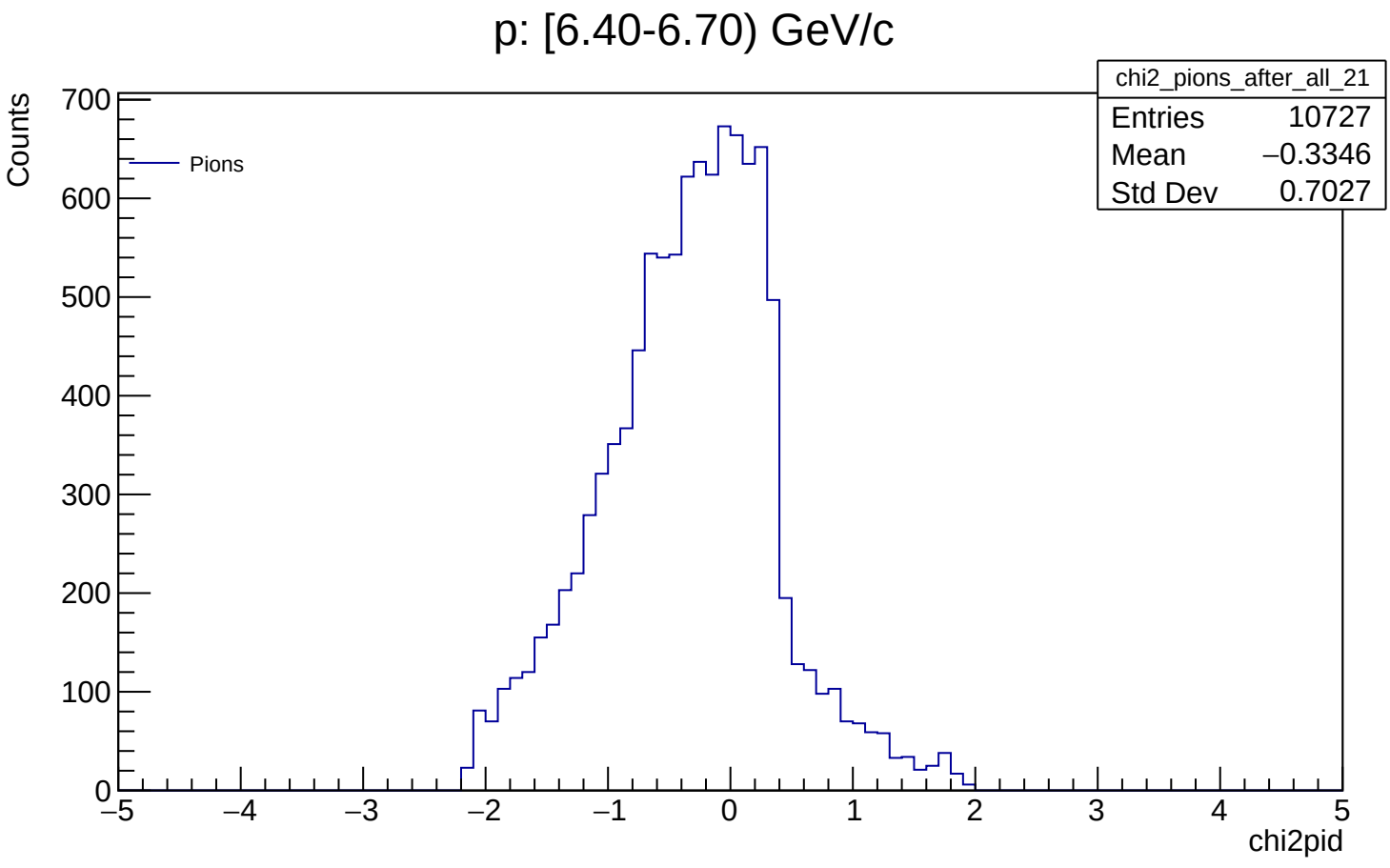

p: [4.90-5.20) GeV/c
chi2_pions_after_all_16
Entries 70201
Mean −0.3306
Std Dev 1.066
Pions
Counts
3500
3000
2500
2000
1500
1000
500
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

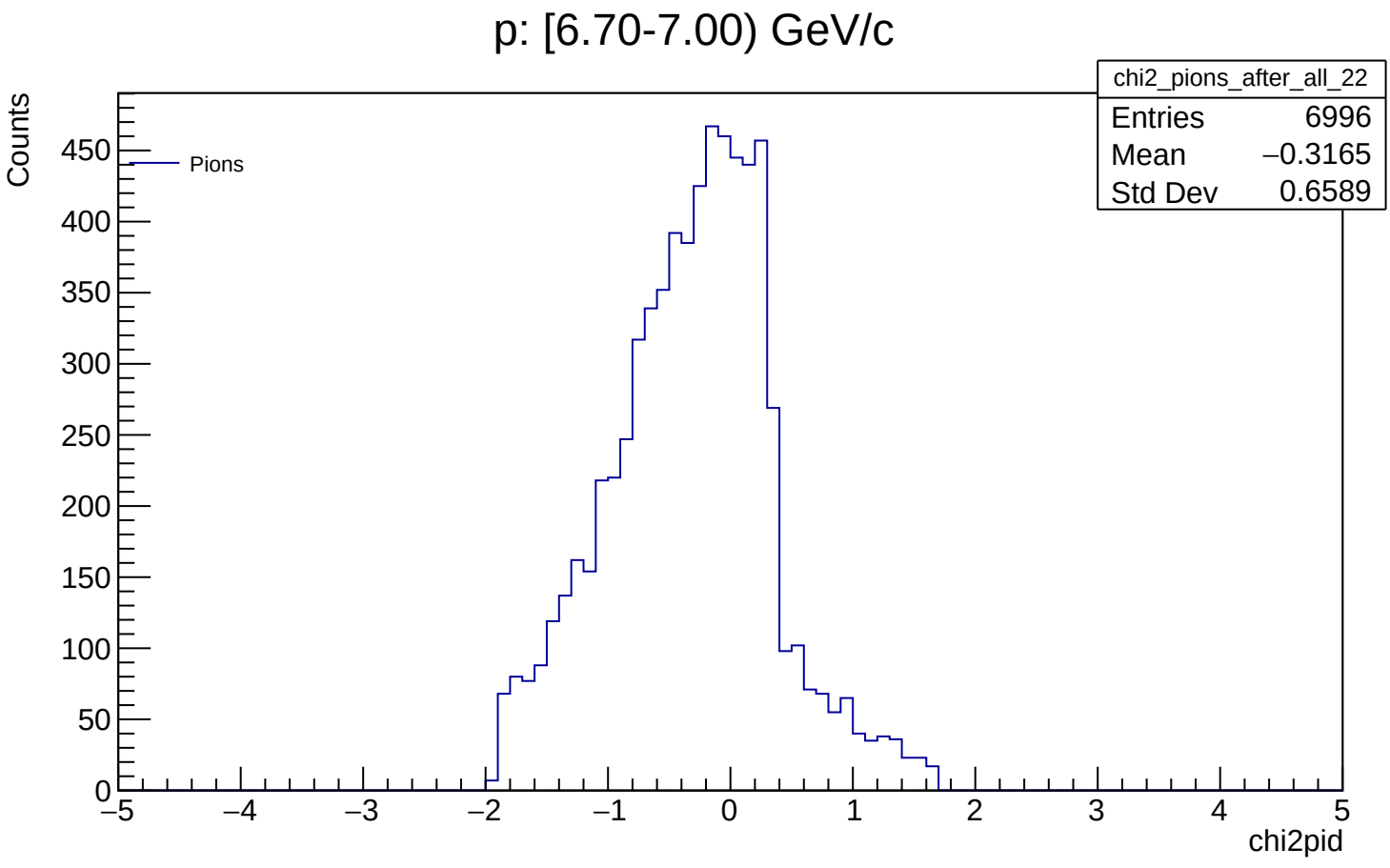

p: [5.20-5.50) GeV/c
chi2_pions_after_all_17
Entries 49832
Mean −0.3353
Std Dev 0.9747
Pions
Counts
2500
2000
1500
1000
500
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid


p: [5.50-5.80) GeV/c
chi2_pions_after_all_18
Entries 34923
Mean −0.3443
Std Dev 0.962
Pions
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid


p: [5.80-6.10) GeV/c
chi2_pions_after_all_19
Entries 24093
Mean −0.3315
Std Dev 0.8625
Pions
Counts
chi2pid
0
200
400
600
800
1000
1200
1400
−5
−4
−3
−2
−1
0
1
2
3
4
5


p: [6.10-6.40) GeV/c
chi2_pions_after_all_20
Entries 16218
Mean −0.3302
Std Dev 0.7789
Pions
Counts
1000
800
600
400
200
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid


p: [6.40-6.70) GeV/c
chi2_pions_after_all_21
Entries 10727
Mean −0.3346
Std Dev 0.7027
Pions
Counts
700
600
500
400
300
200
100
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid


p: [6.70-7.00) GeV/c
chi2_pions_after_all_22
Entries 6996
Mean −0.3165
Std Dev 0.6589
Pions
Counts
chi2pid
0
50
100
150
200
250
300
350
400
450
−5
−4
−3
−2
−1
0
1
2
3
4
5