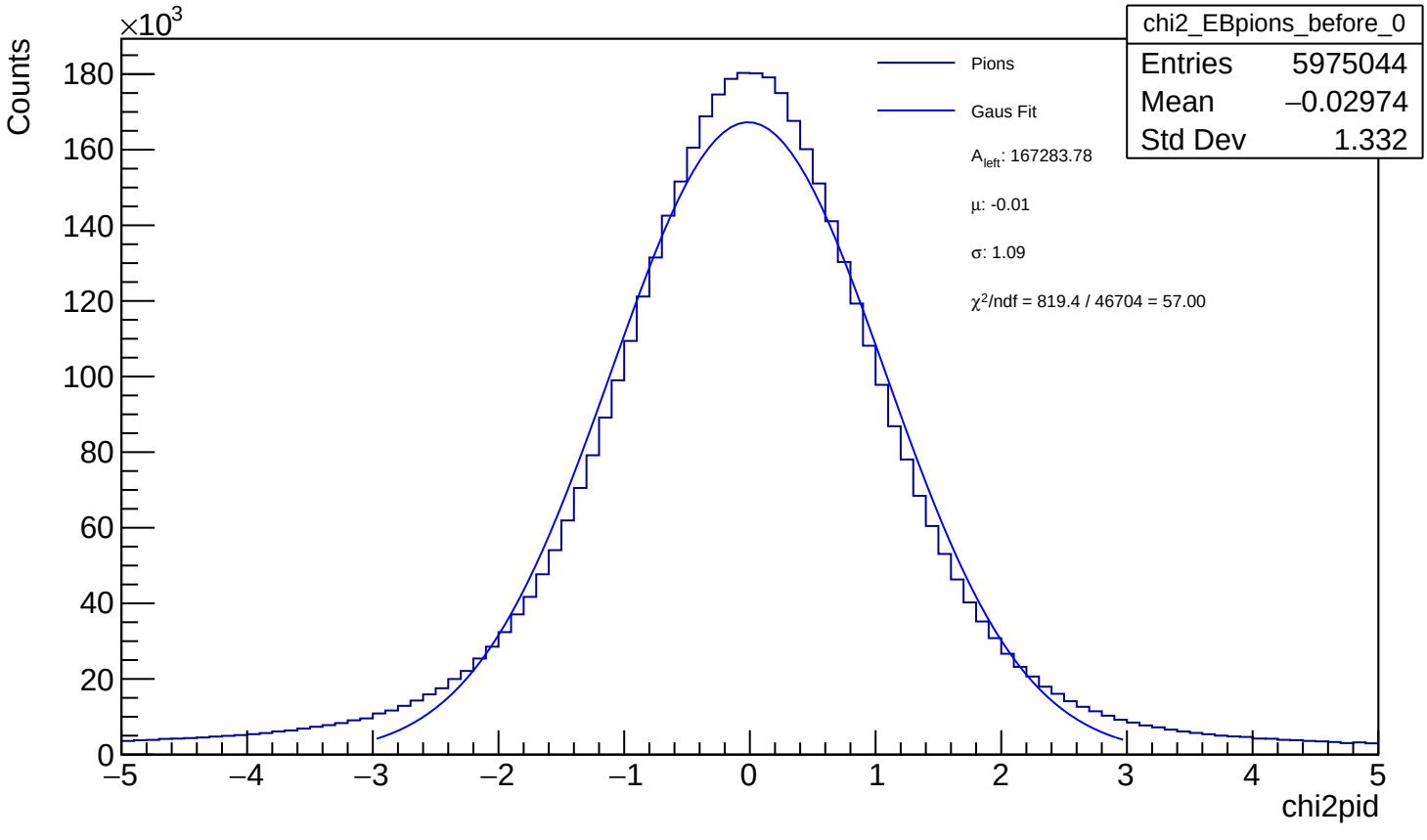
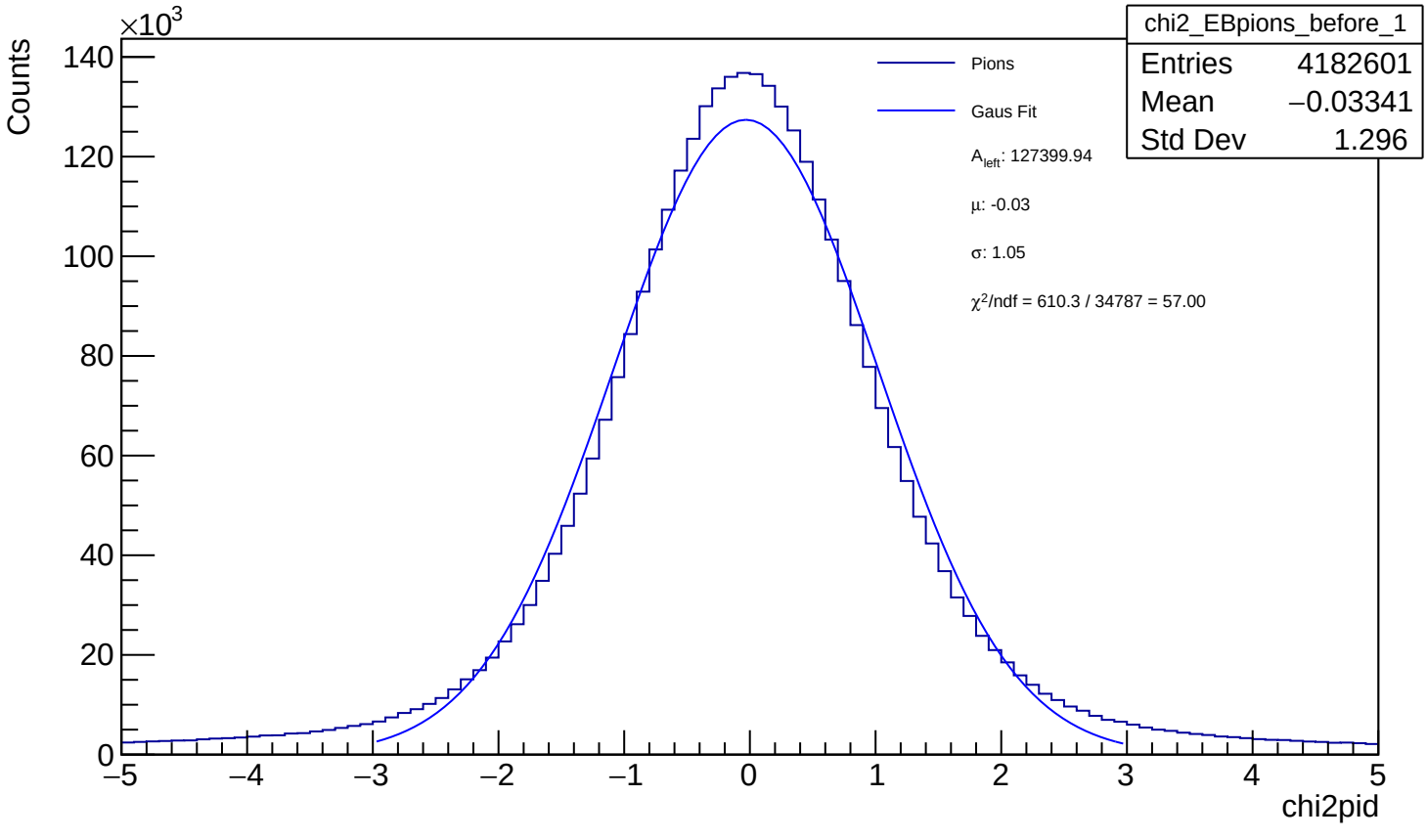
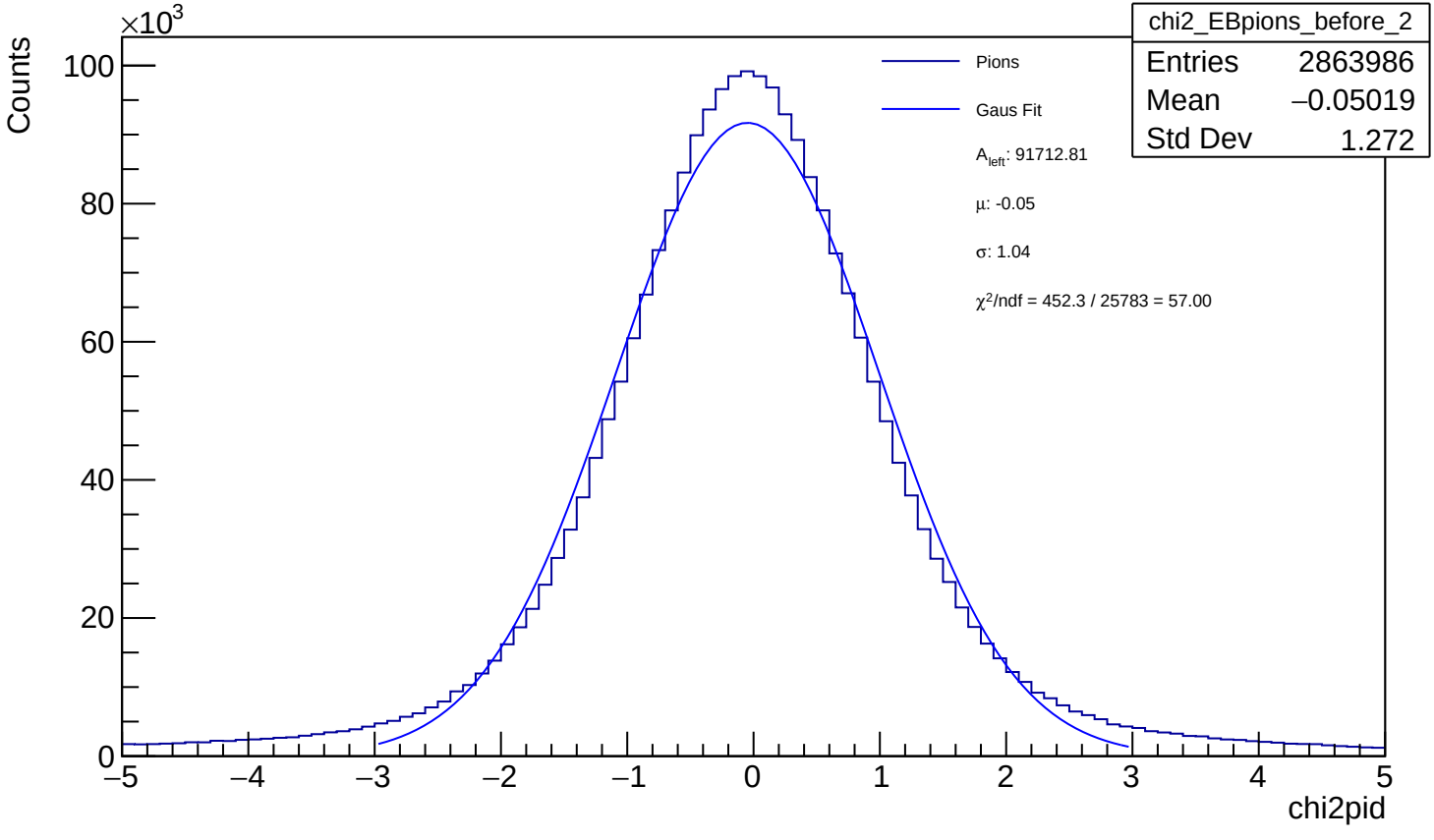
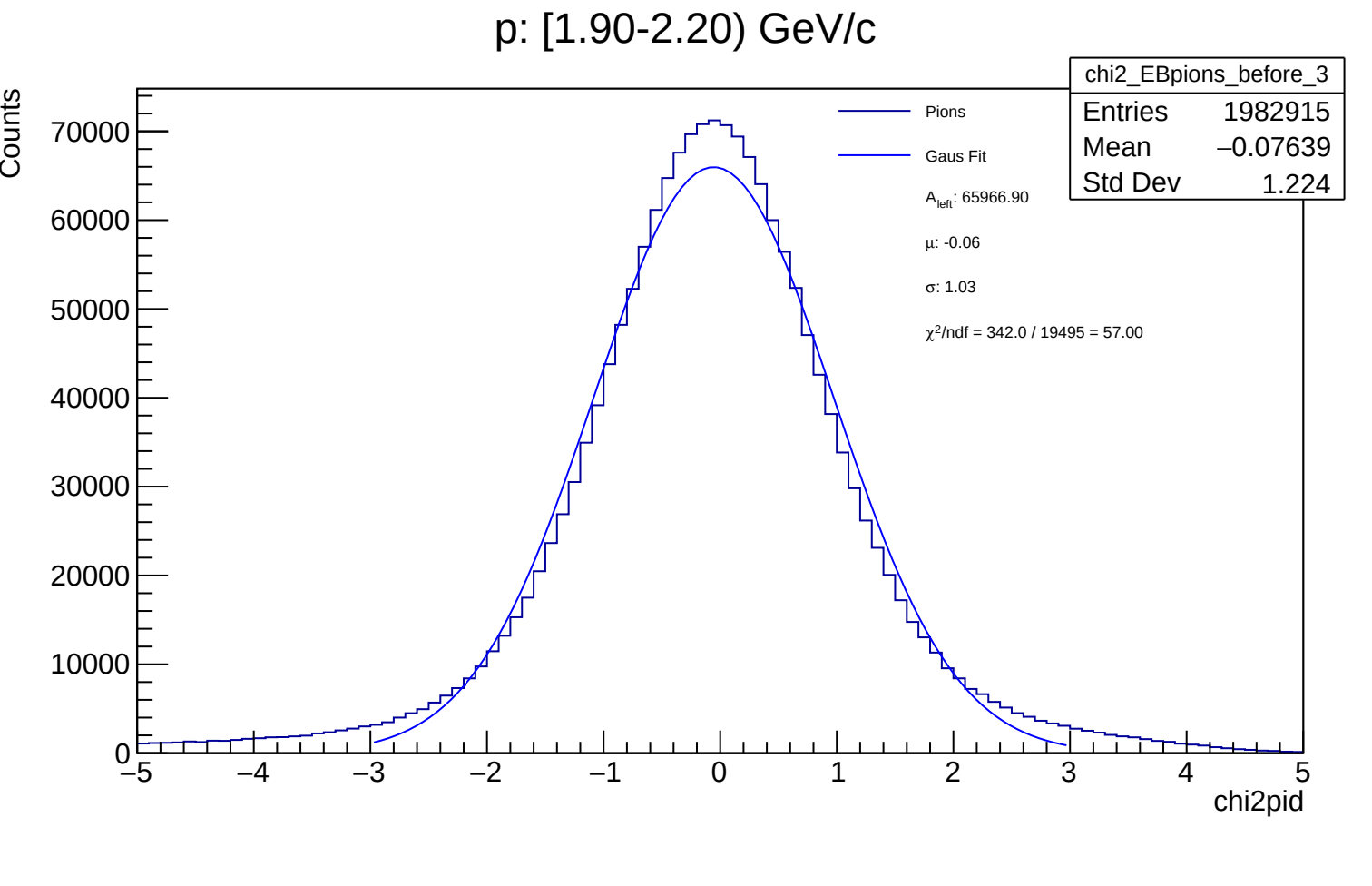
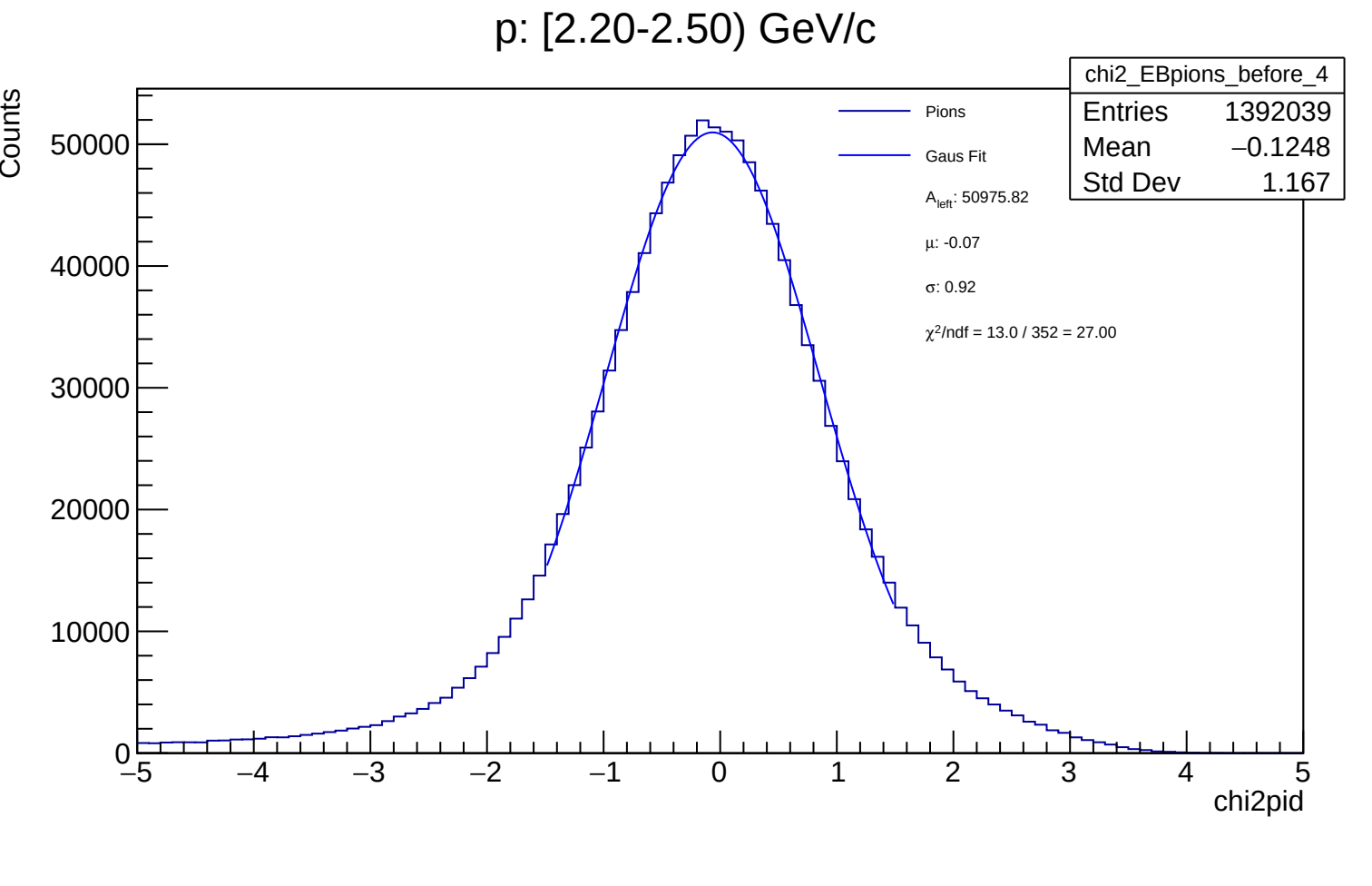
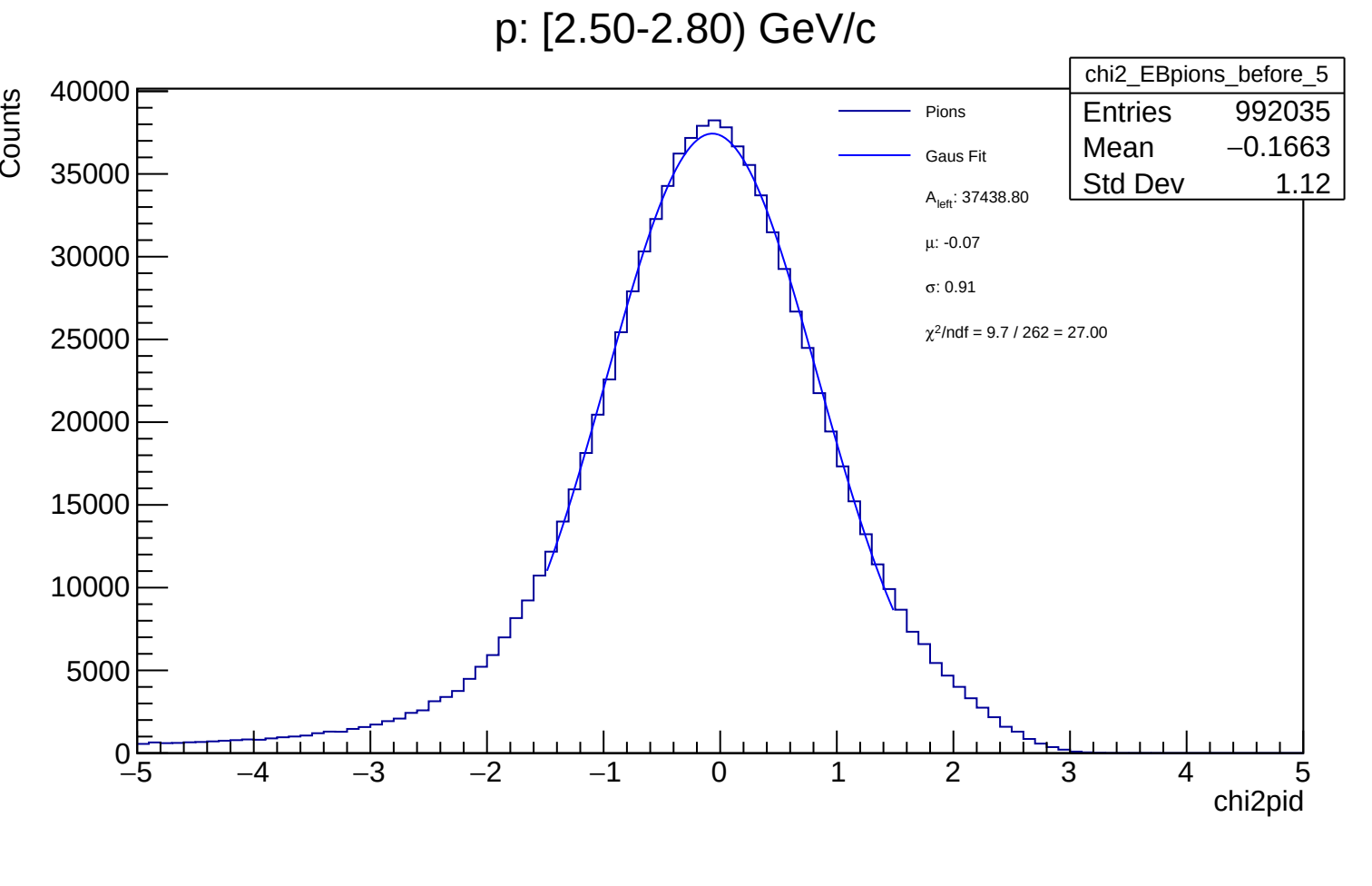

p: [1.00-1.30) GeV/c
chi2_EBpions_before_0
Entries 5975044
Mean −0.02974
Std Dev 1.332
Pions
Gaus Fit
A_left: 167283.78
μ: -0.01
σ: 1.09
χ²/ndf = 819.4 / 46704 = 57.00
Counts
×10³
chi2pid

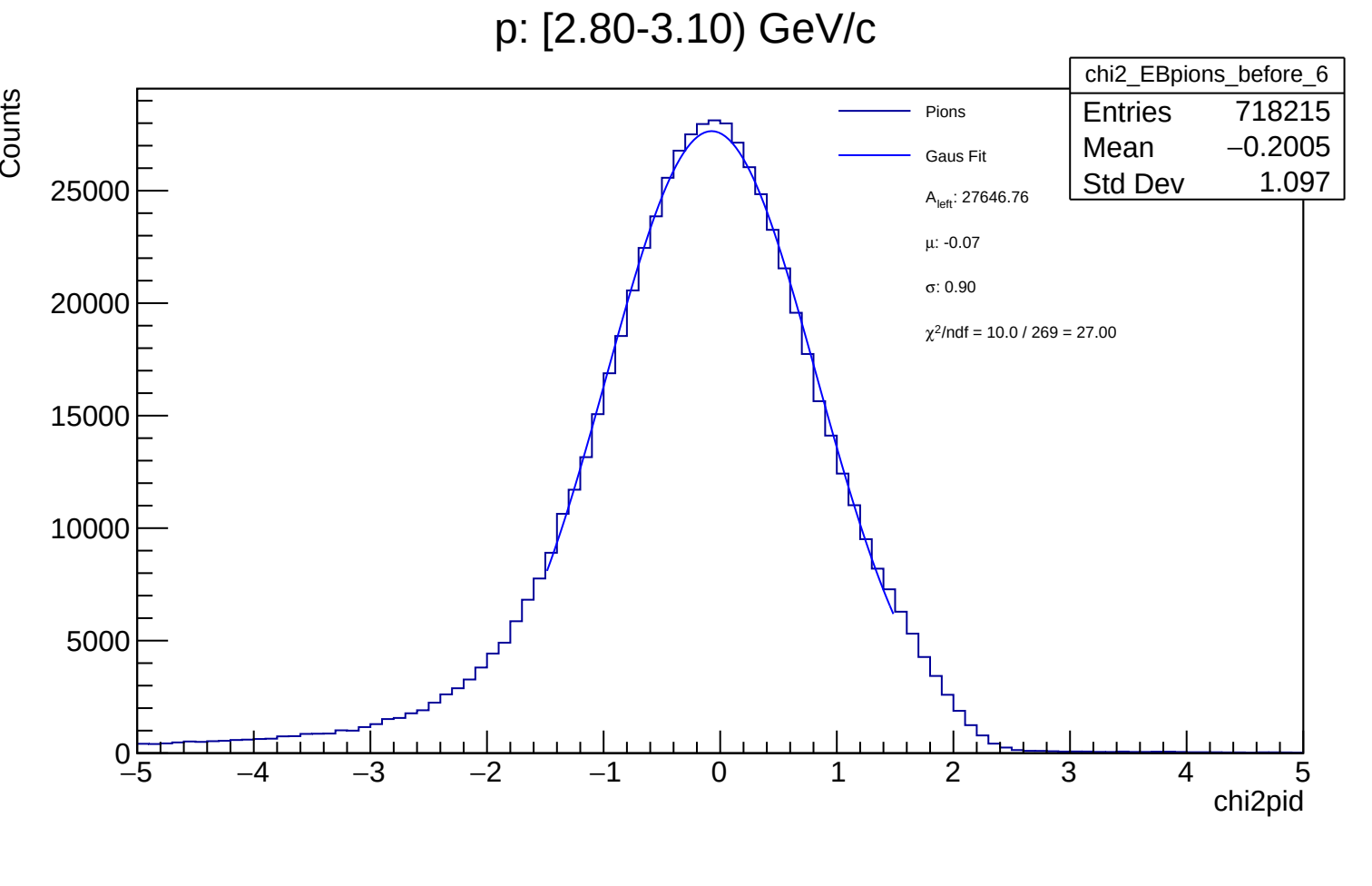

p: [1.30-1.60) GeV/c
chi2_EBpions_before_1
Entries 4182601
Mean −0.03341
Std Dev 1.296
Pions
Gaus Fit
A_left: 127399.94
μ: -0.03
σ: 1.05
χ²/ndf = 610.3 / 34787 = 57.00
Counts
×10³
chi2pid

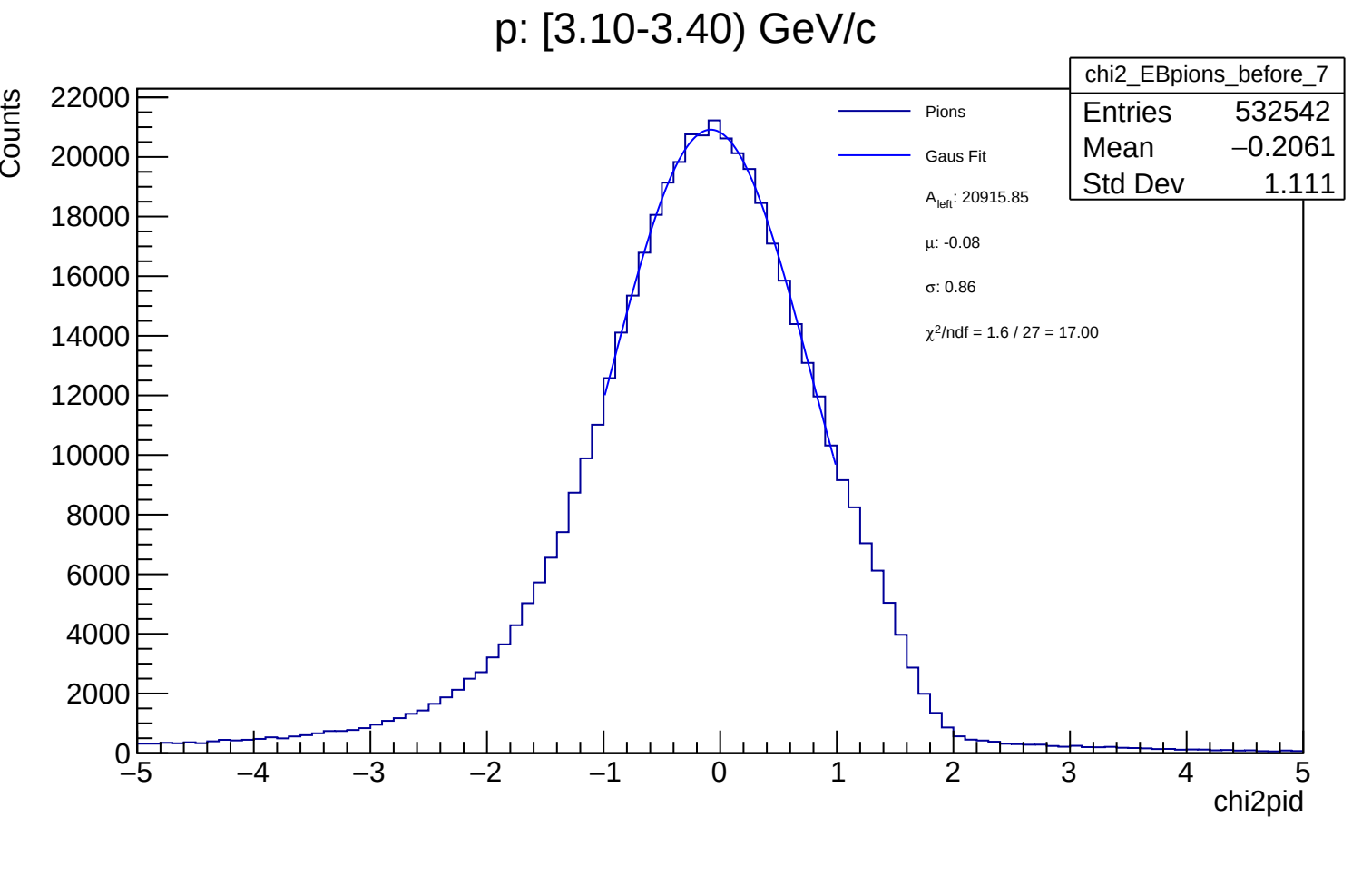

p: [1.60-1.90) GeV/c
chi2_EBpions_before_2
Entries 2863986
Mean −0.05019
Std Dev 1.272
Pions
Gaus Fit
A_left: 91712.81
μ: -0.05
σ: 1.04
χ²/ndf = 452.3 / 25783 = 57.00
Counts
×10³
chi2pid

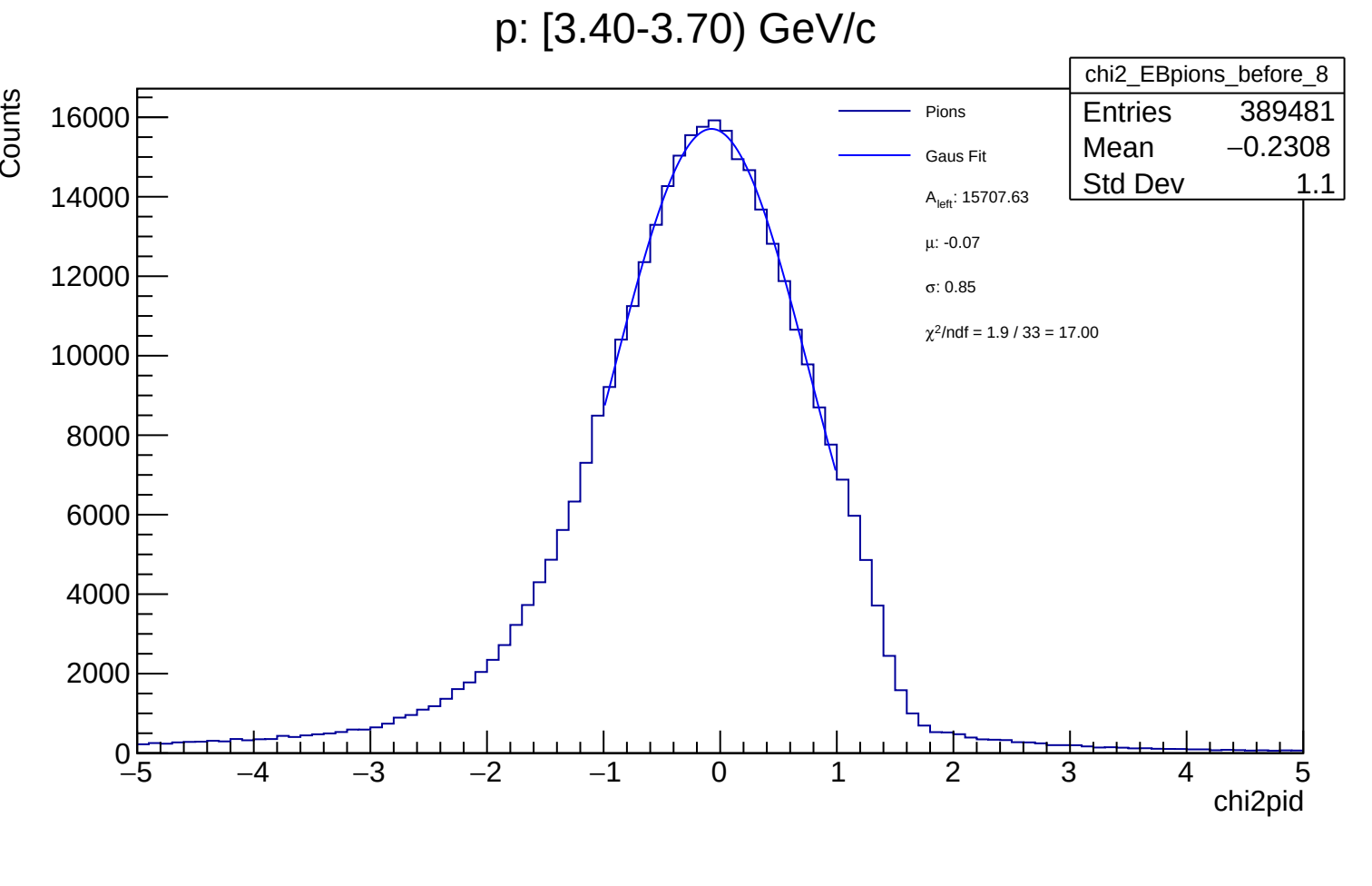

p: [1.90-2.20) GeV/c
chi2_EBpions_before_3
Entries 1982915
Mean −0.07639
Std Dev 1.224
Pions
Gaus Fit
A_left: 65966.90
μ: -0.06
σ: 1.03
χ²/ndf = 342.0 / 19495 = 57.00
Counts
70000
60000
50000
40000
30000
20000
10000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

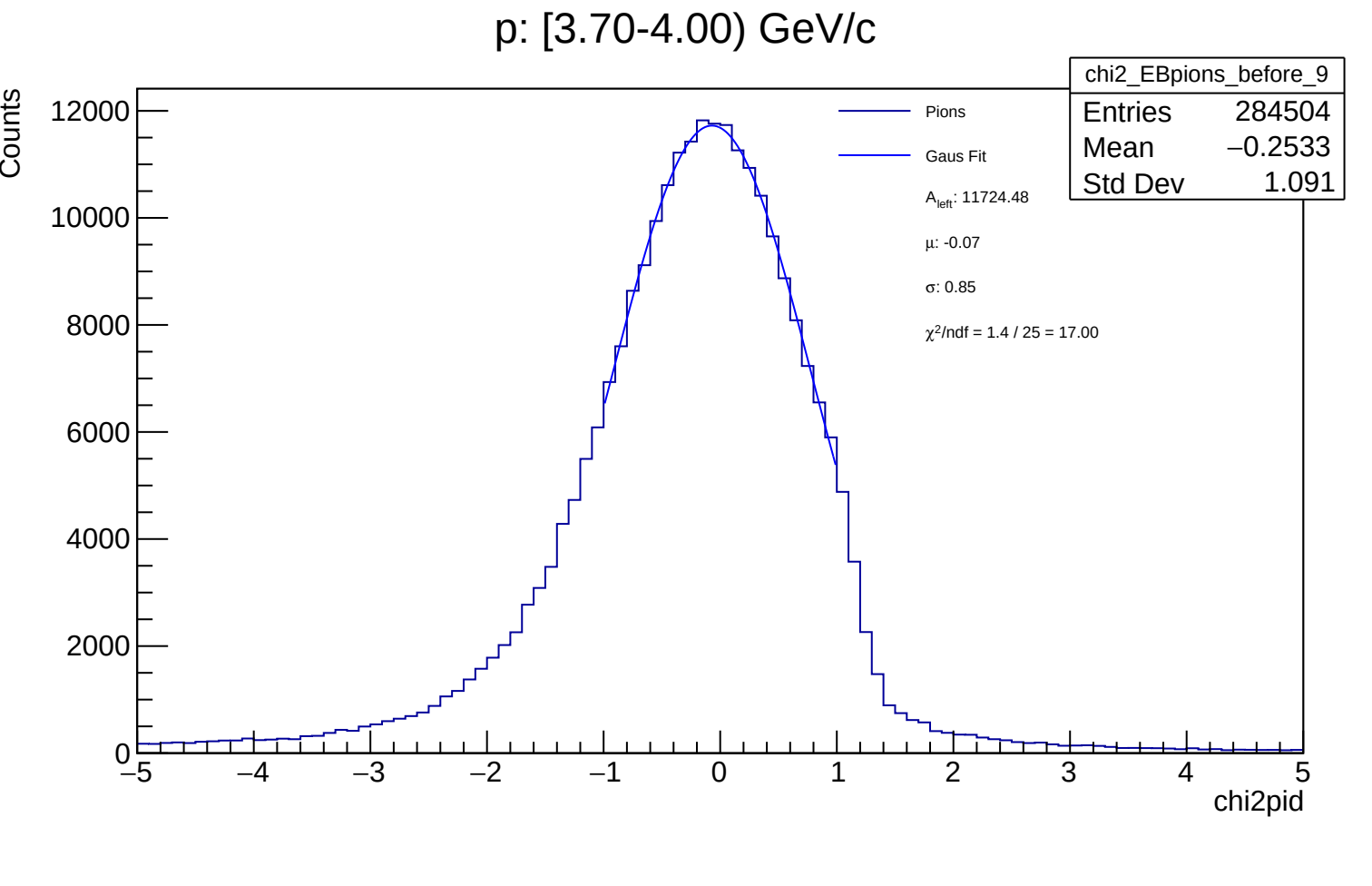

p: [2.20-2.50) GeV/c
chi2_EBpions_before_4
Entries 1392039
Mean −0.1248
Std Dev 1.167
Pions
Gaus Fit
A_left: 50975.82
μ: -0.07
σ: 0.92
χ²/ndf = 13.0 / 352 = 27.00
Counts
50000
40000
30000
20000
10000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

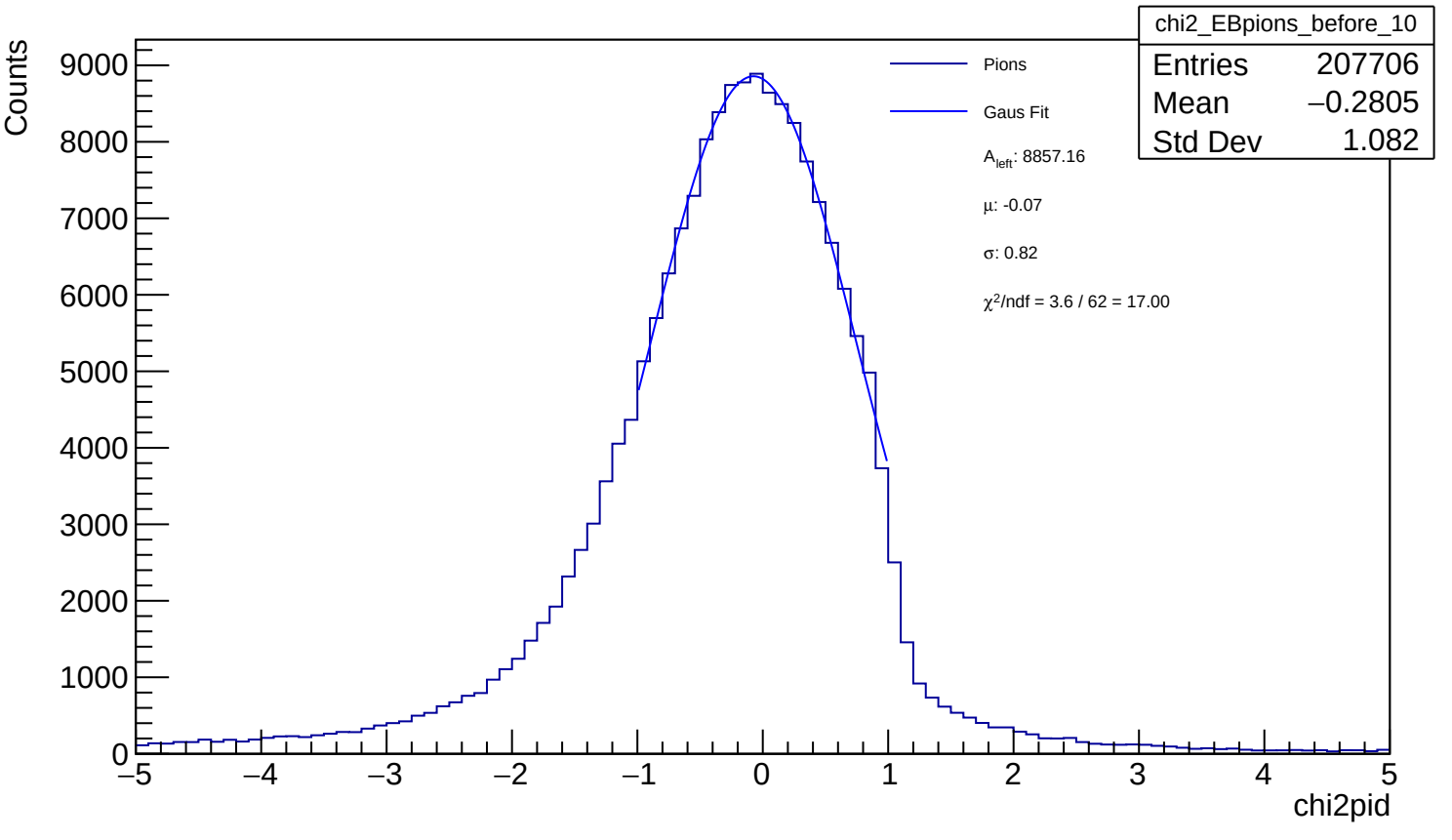

p: [2.50-2.80) GeV/c
chi2_EBpions_before_5
Entries 992035
Mean −0.1663
Std Dev 1.12
Pions
Gaus Fit
A_left: 37438.80
μ: -0.07
σ: 0.91
χ²/ndf = 9.7 / 262 = 27.00
Counts
chi2pid
40000
35000
30000
25000
20000
15000
10000
5000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

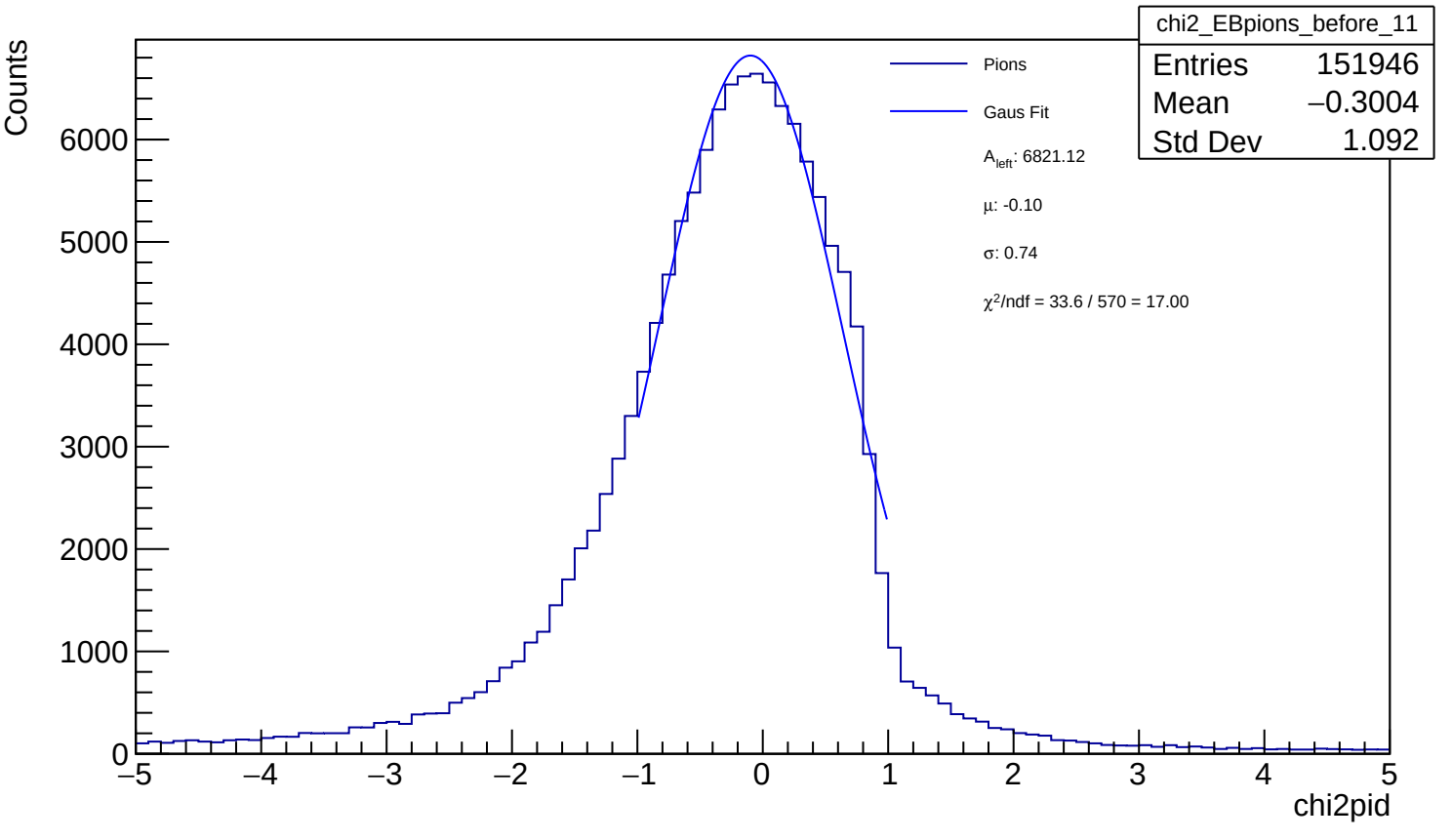

p: [2.80-3.10) GeV/c
chi2_EBpions_before_6
Entries 718215
Mean −0.2005
Std Dev 1.097
Pions
Gaus Fit
A_left: 27646.76
μ: -0.07
σ: 0.90
χ²/ndf = 10.0 / 269 = 27.00
Counts
25000
20000
15000
10000
5000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
chi2pid

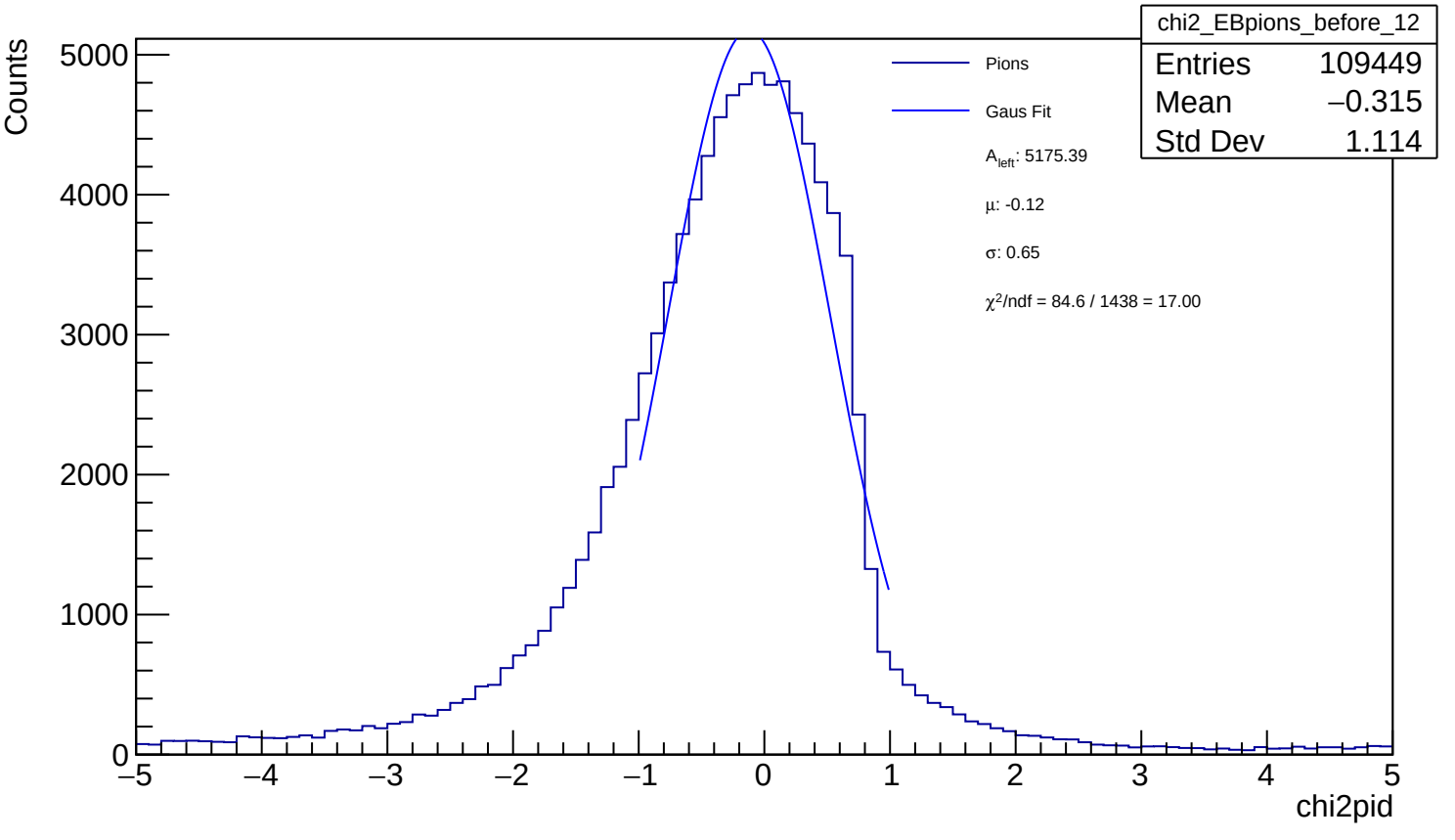

p: [3.10-3.40) GeV/c
chi2_EBpions_before_7
Entries 532542
Mean −0.2061
Std Dev 1.111
Pions
Gaus Fit
A_left: 20915.85
μ: -0.08
σ: 0.86
χ²/ndf = 1.6 / 27 = 17.00
Counts
chi2pid
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

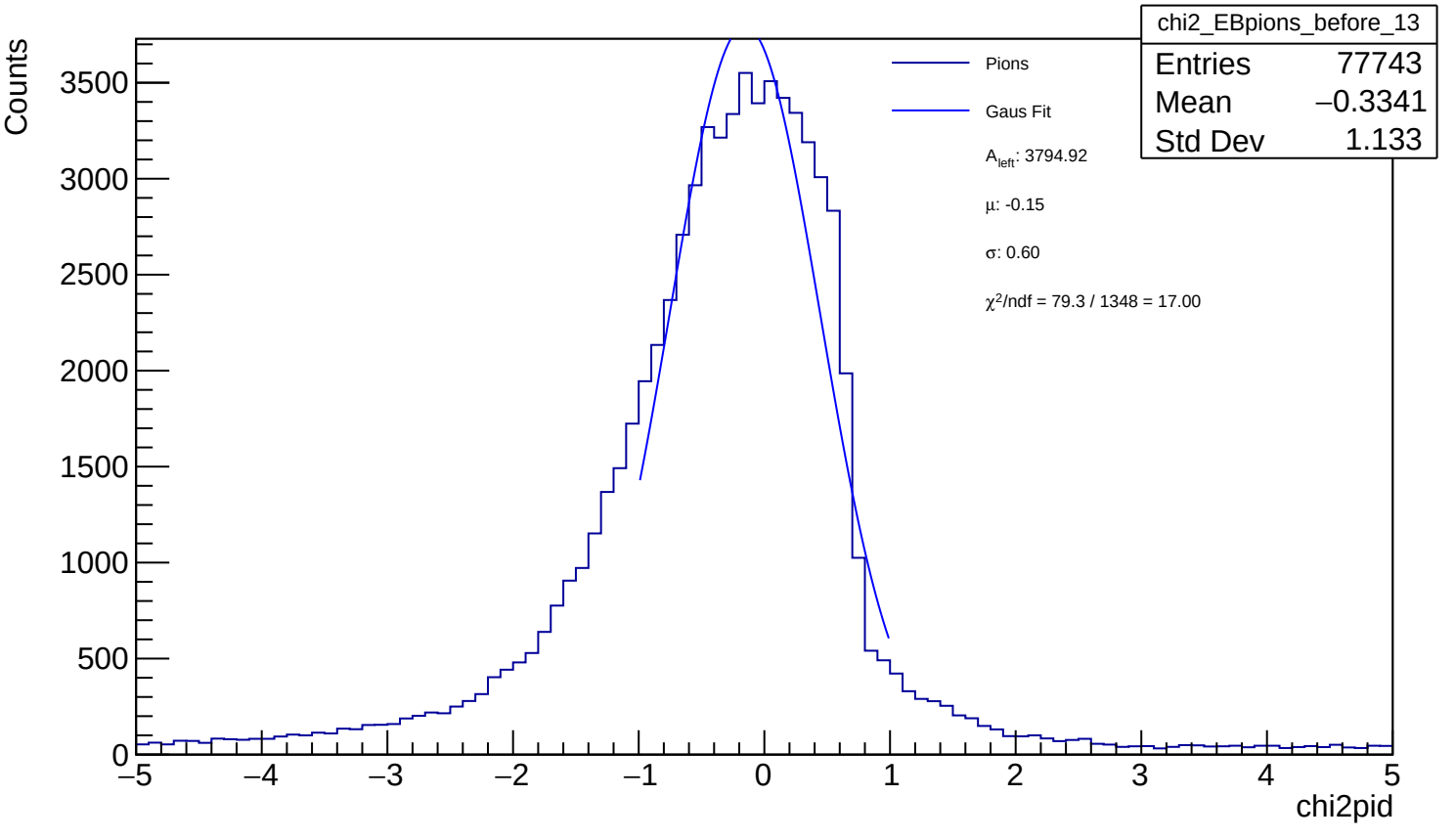

p: [3.40-3.70) GeV/c
chi2_EBpions_before_8
Entries 389481
Mean −0.2308
Std Dev 1.1
Pions
Gaus Fit
A_left: 15707.63
μ: -0.07
σ: 0.85
χ²/ndf = 1.9 / 33 = 17.00
Counts
chi2pid
16000
14000
12000
10000
8000
6000
4000
2000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

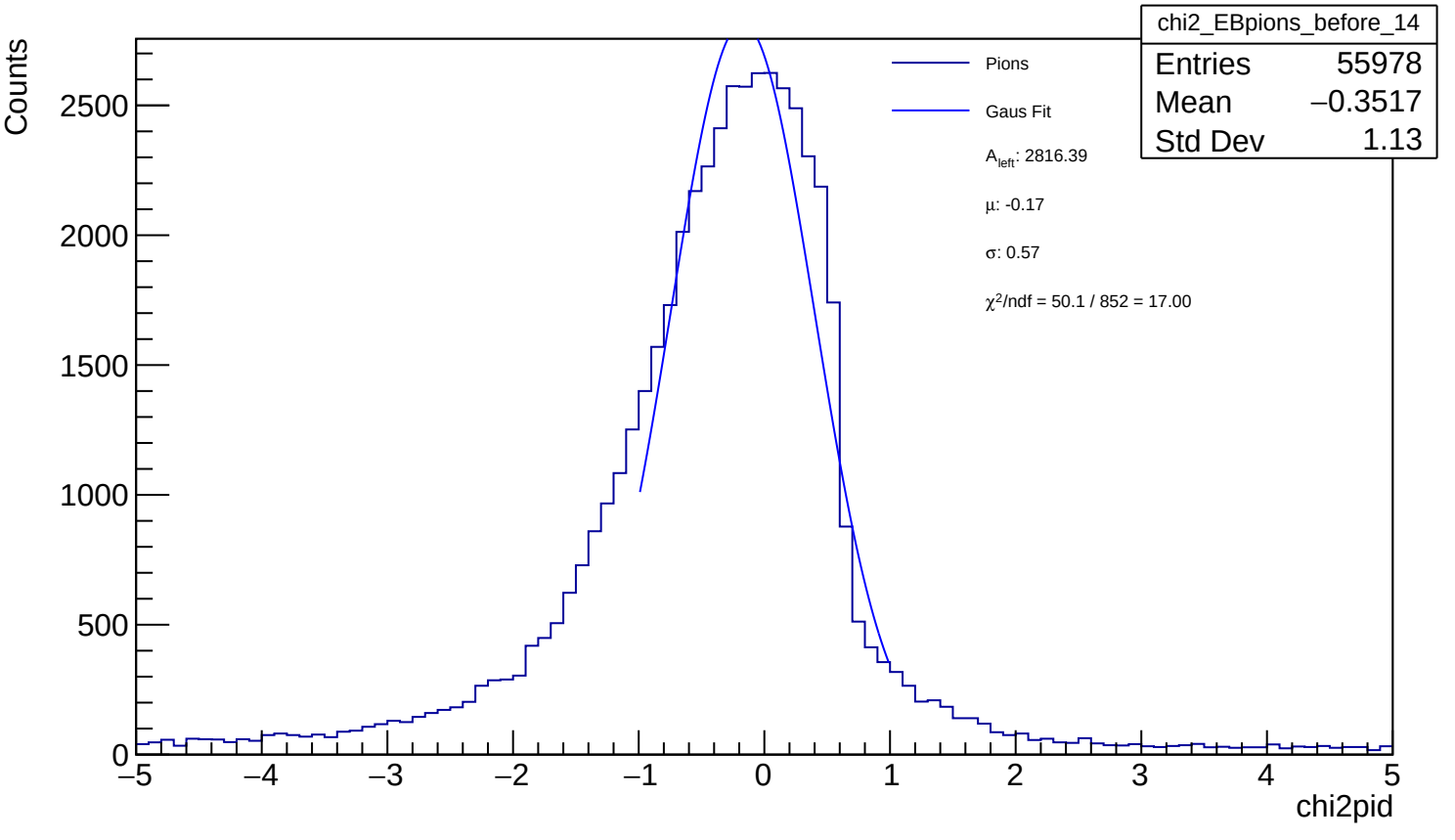

p: [3.70-4.00) GeV/c
chi2_EBpions_before_9
Entries 284504
Mean −0.2533
Std Dev 1.091
Pions
Gaus Fit
A_left: 11724.48
μ: -0.07
σ: 0.85
χ²/ndf = 1.4 / 25 = 17.00
Counts
chi2pid
12000
10000
8000
6000
4000
2000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

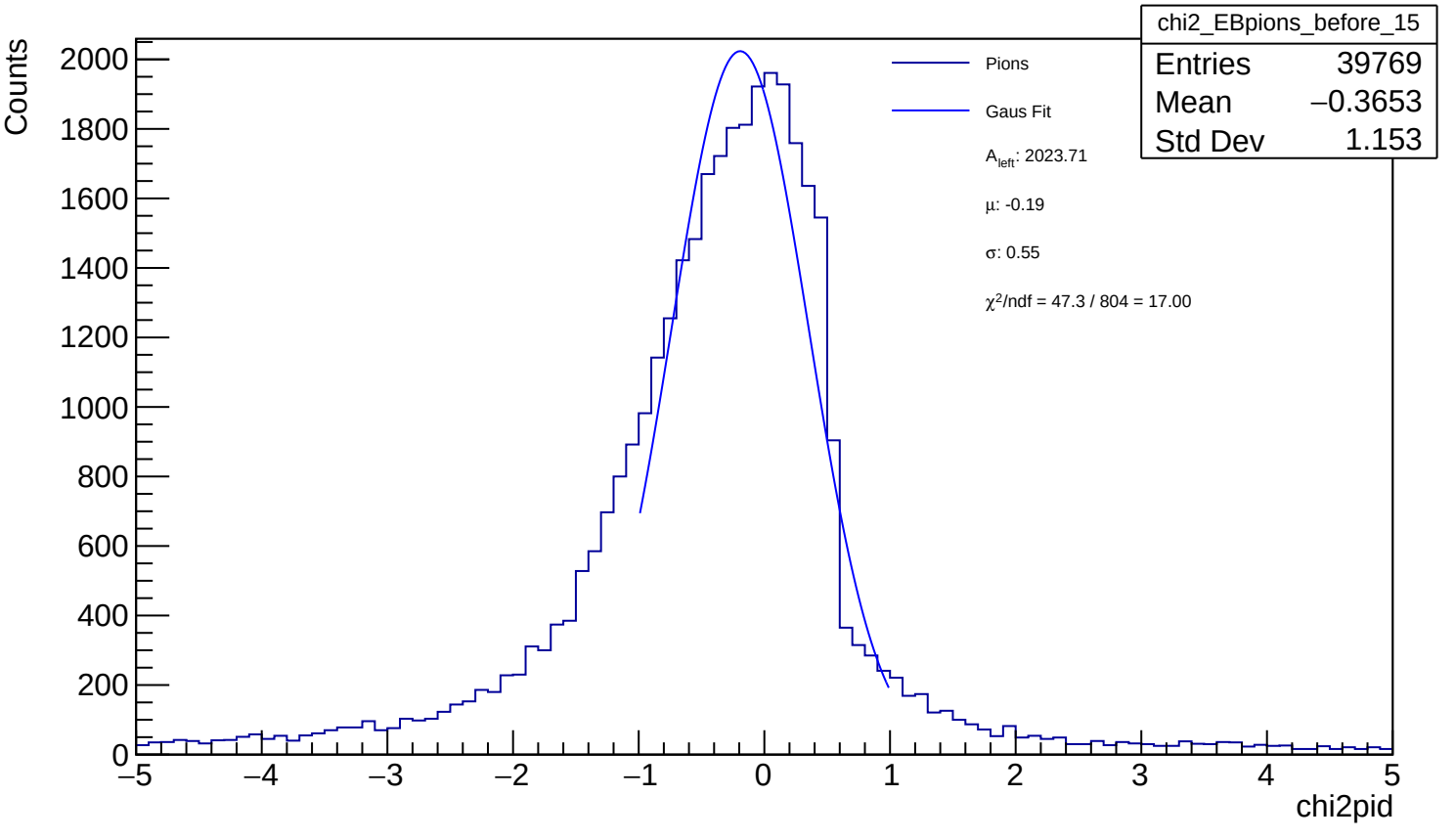

p: [4.00-4.30) GeV/c
chi2_EBpions_before_10
Entries 207706
Mean −0.2805
Std Dev 1.082
Pions
Gaus Fit
A_left: 8857.16
μ: -0.07
σ: 0.82
χ²/ndf = 3.6 / 62 = 17.00
Counts
chi2pid
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
−5
−4
−3
−2
−1
0
1
2
3
4
5

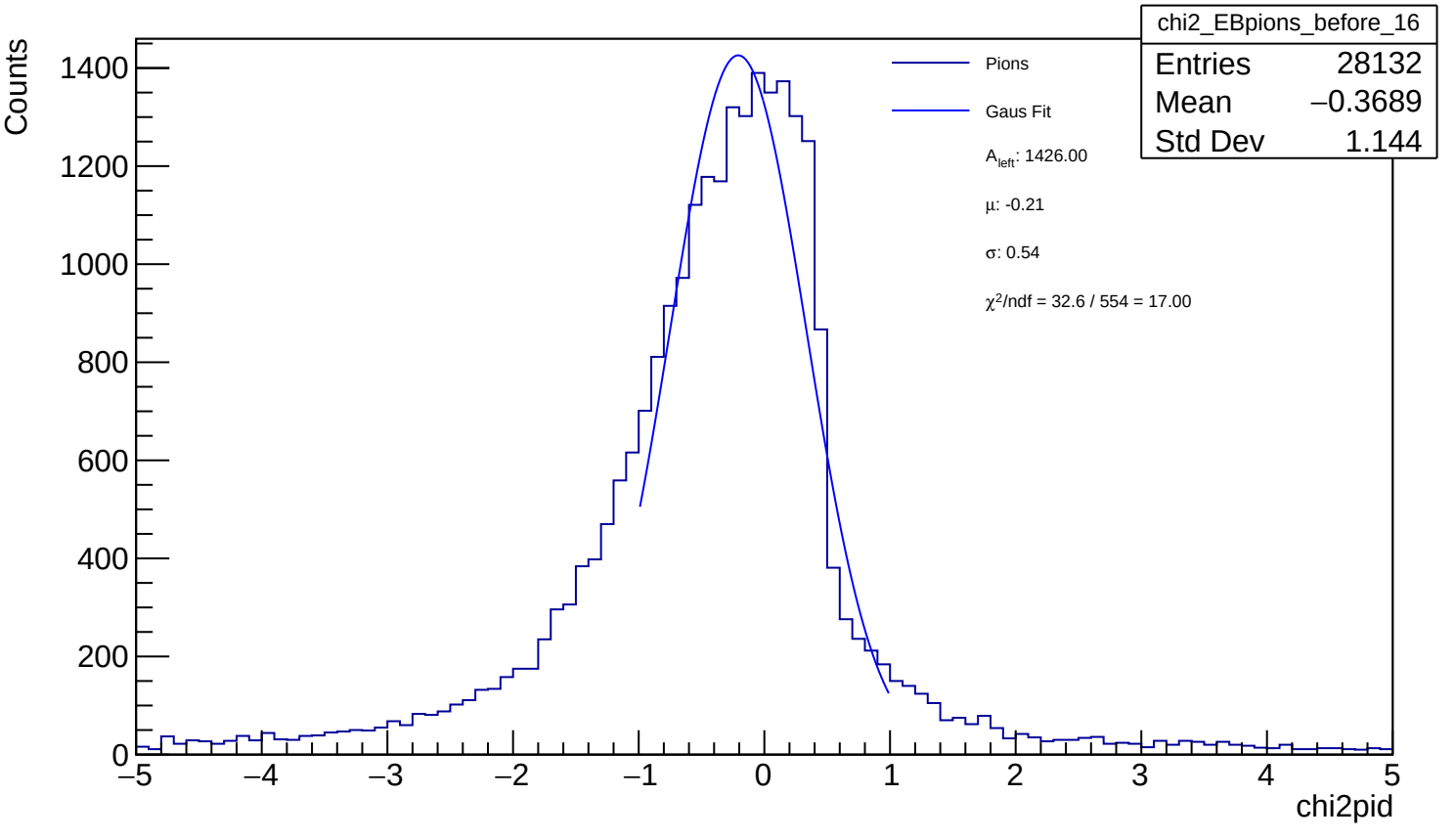

p: [4.30-4.60) GeV/c
chi2_EBpions_before_11
Entries 151946
Mean −0.3004
Std Dev 1.092
Pions
Gaus Fit
A_left: 6821.12
μ: -0.10
σ: 0.74
χ²/ndf = 33.6 / 570 = 17.00
Counts
chi2pid
0
1000
2000
3000
4000
5000
6000
−5
−4
−3
−2
−1
0
1
2
3
4
5

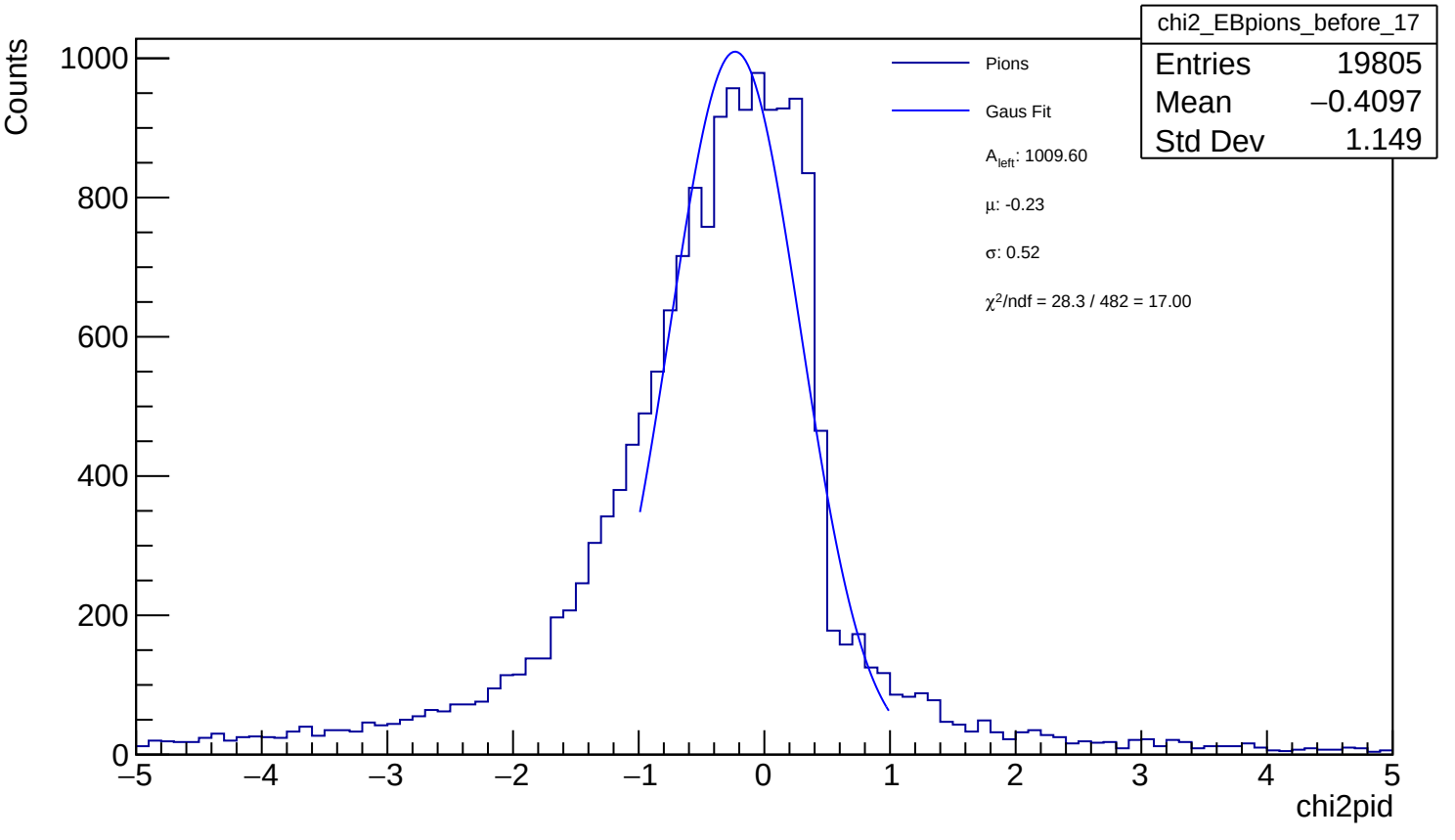

p: [4.60-4.90) GeV/c
chi2_EBpions_before_12
Entries 109449
Mean −0.315
Std Dev 1.114
Pions
Gaus Fit
A_left: 5175.39
μ: -0.12
σ: 0.65
χ²/ndf = 84.6 / 1438 = 17.00
Counts
chi2pid
5000
4000
3000
2000
1000
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

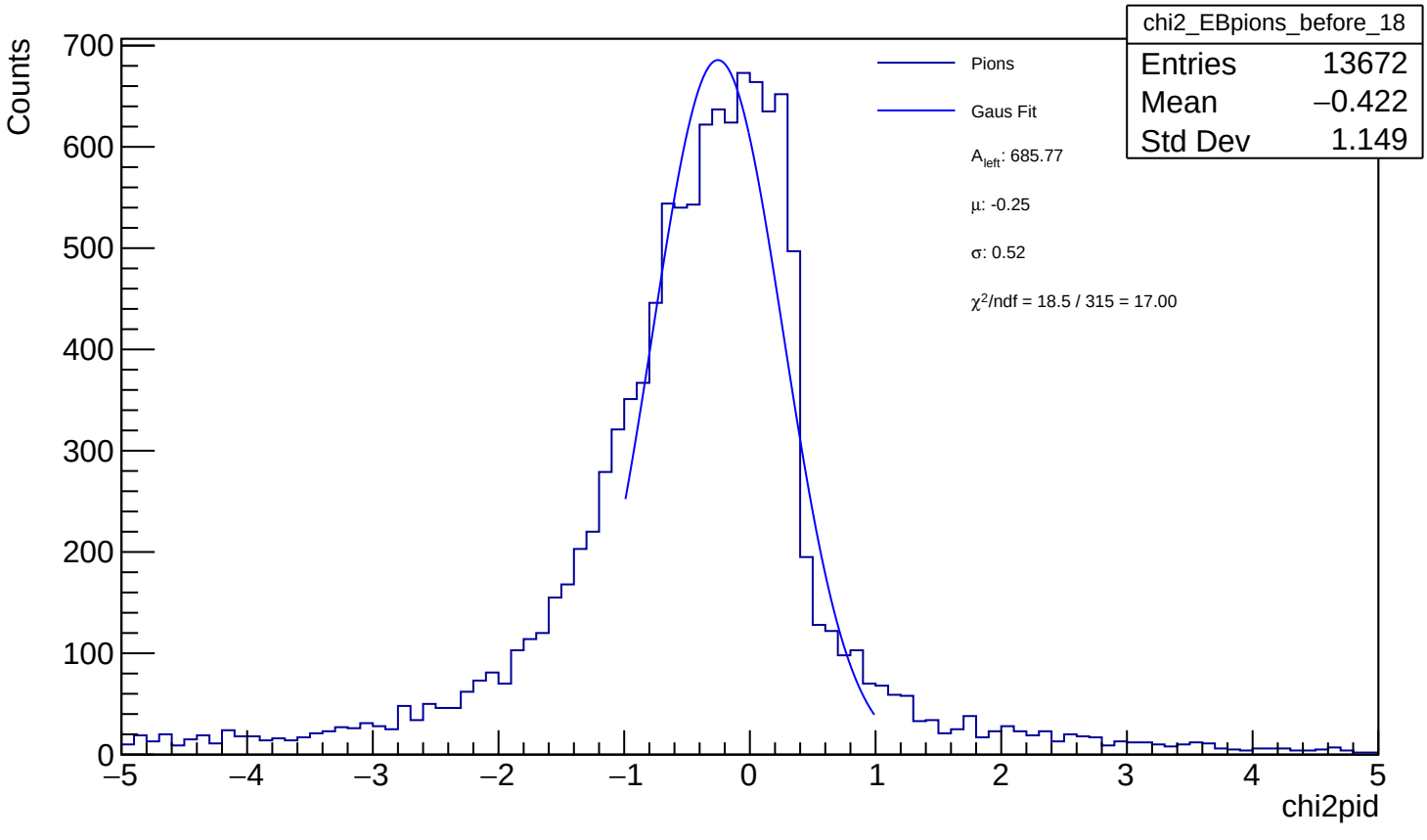

p: [4.90-5.20) GeV/c
chi2_EBpions_before_13
Entries 77743
Mean −0.3341
Std Dev 1.133
Pions
Gaus Fit
A_left: 3794.92
μ: -0.15
σ: 0.60
χ²/ndf = 79.3 / 1348 = 17.00
Counts
chi2pid
0
500
1000
1500
2000
2500
3000
3500
−5
−4
−3
−2
−1
0
1
2
3
4
5

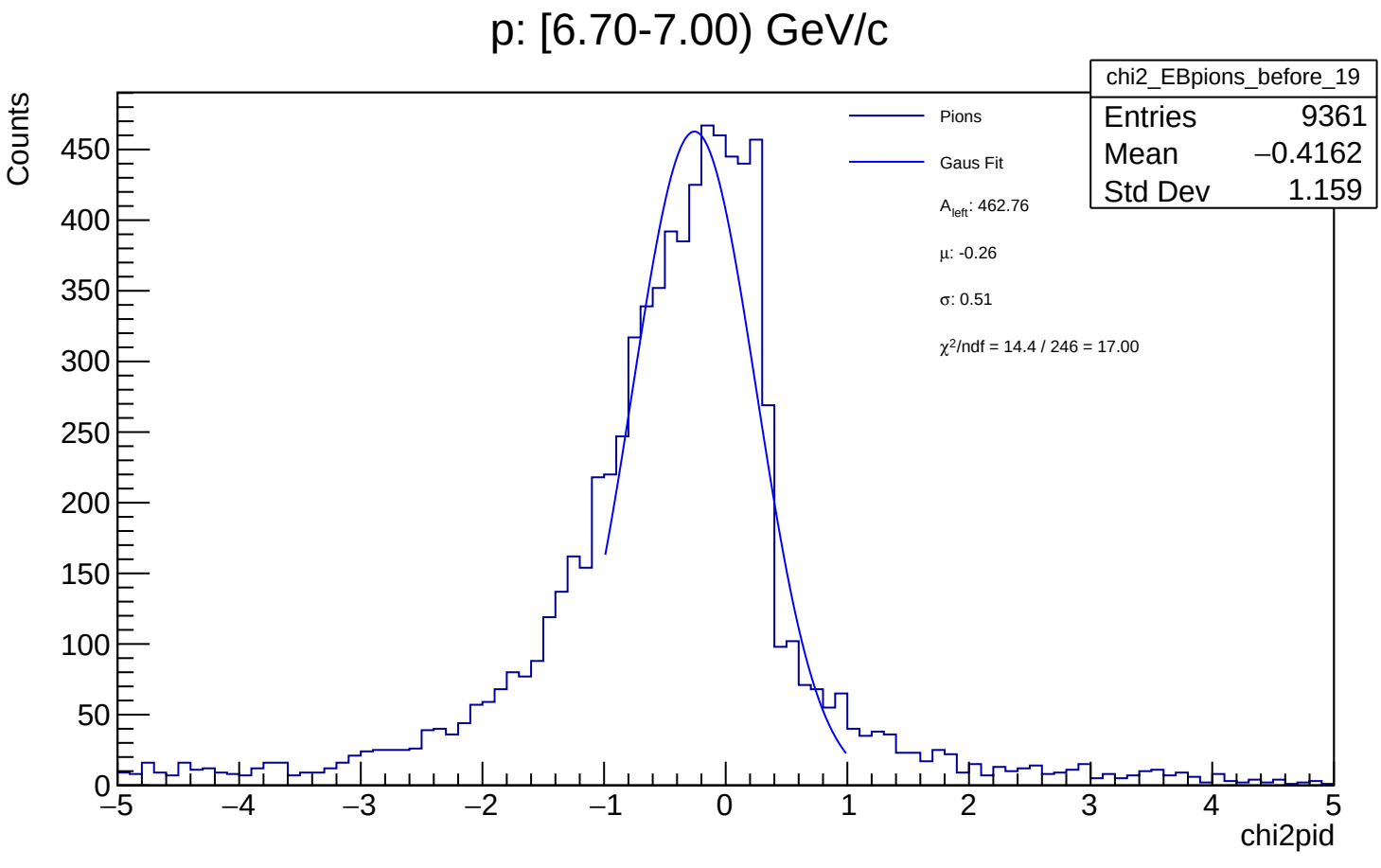

p: [5.20-5.50) GeV/c
chi2_EBpions_before_14
Entries 55978
Mean −0.3517
Std Dev 1.13
Pions
Gaus Fit
A_left: 2816.39
μ: -0.17
σ: 0.57
χ²/ndf = 50.1 / 852 = 17.00
Counts
chi2pid
0
500
1000
1500
2000
2500
−5
−4
−3
−2
−1
0
1
2
3
4
5


p: [5.50-5.80) GeV/c
chi2_EBpions_before_15
Entries 39769
Mean −0.3653
Std Dev 1.153
Pions
Gaus Fit
A_left: 2023.71
μ: -0.19
σ: 0.55
χ²/ndf = 47.3 / 804 = 17.00
Counts
chi2pid
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−5
−4
−3
−2
−1
0
1
2
3
4
5


p: [5.80-6.10) GeV/c
chi2_EBpions_before_16
Entries 28132
Mean −0.3689
Std Dev 1.144
Pions
Gaus Fit
A_left: 1426.00
μ: -0.21
σ: 0.54
χ²/ndf = 32.6 / 554 = 17.00
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_EBpions_before_17
Entries 19805
Mean −0.4097
Std Dev 1.149
Pions
Gaus Fit
A_left: 1009.60
μ: -0.23
σ: 0.52
χ²/ndf = 28.3 / 482 = 17.00
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_EBpions_before_18
Entries 13672
Mean −0.422
Std Dev 1.149
Pions
Gaus Fit
A_left: 685.77
μ: -0.25
σ: 0.52
χ²/ndf = 18.5 / 315 = 17.00
Counts
chi2pid
0
100
200
300
400
500
600
700
−5
−4
−3
−2
−1
0
1
2
3
4
5


p: [6.70-7.00) GeV/c
chi2_EBpions_before_19
Entries 9361
Mean −0.4162
Std Dev 1.159
Pions
Gaus Fit
A_left: 462.76
μ: -0.26
σ: 0.51
χ²/ndf = 14.4 / 246 = 17.00
Counts
chi2pid
0
50
100
150
200
250
300
350
400
450
−5
−4
−3
−2
−1
0
1
2
3
4
5