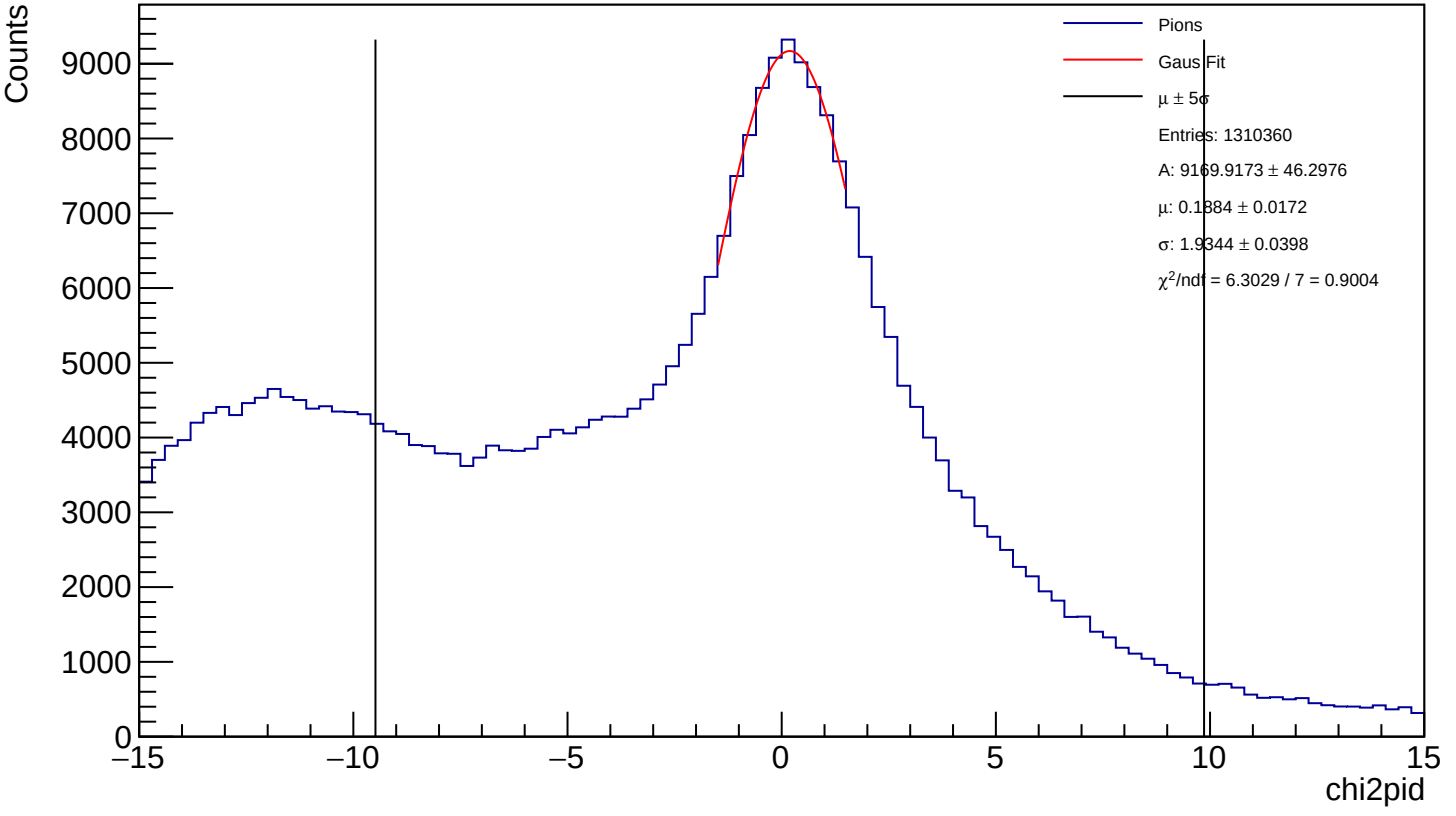
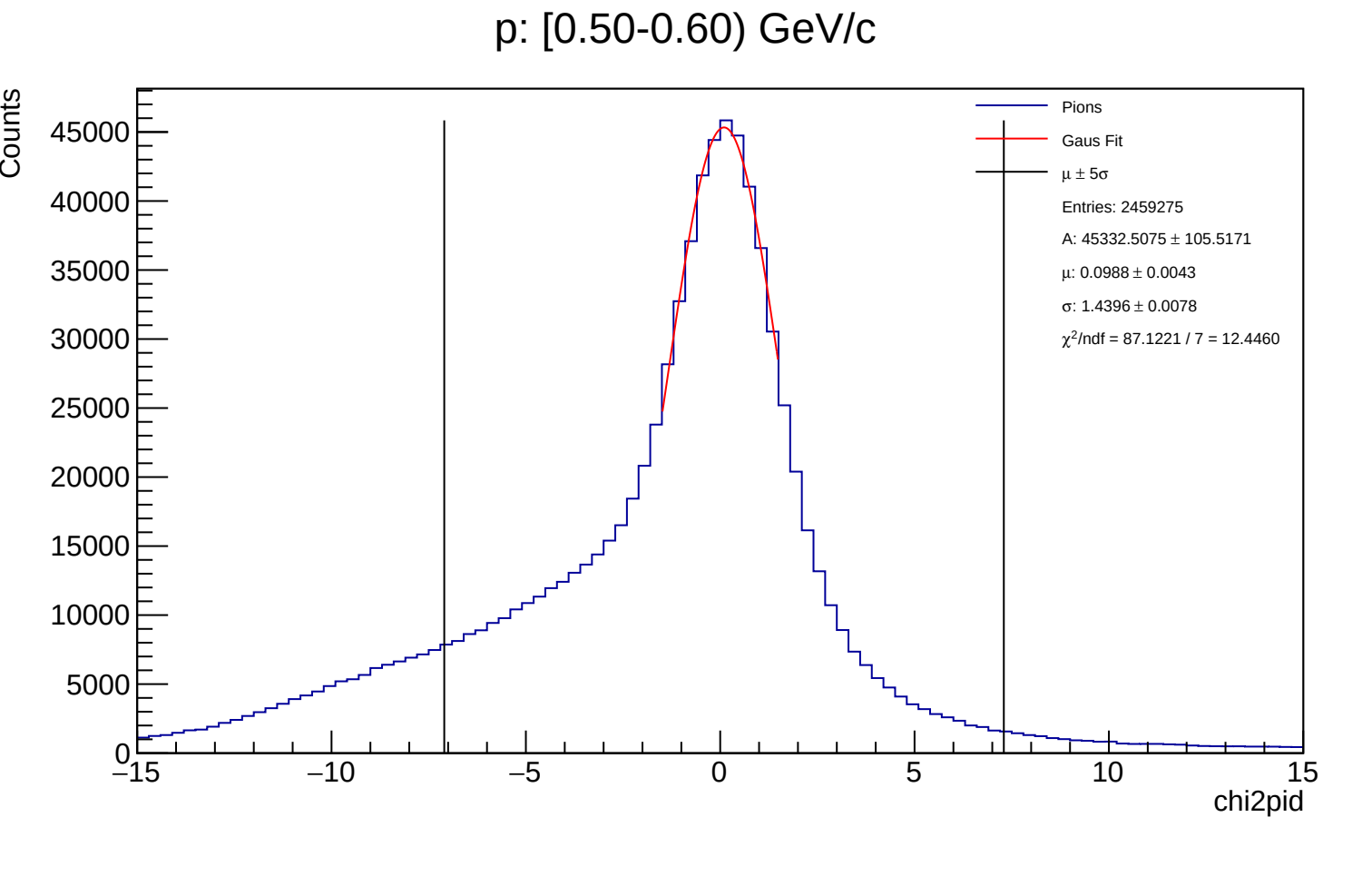
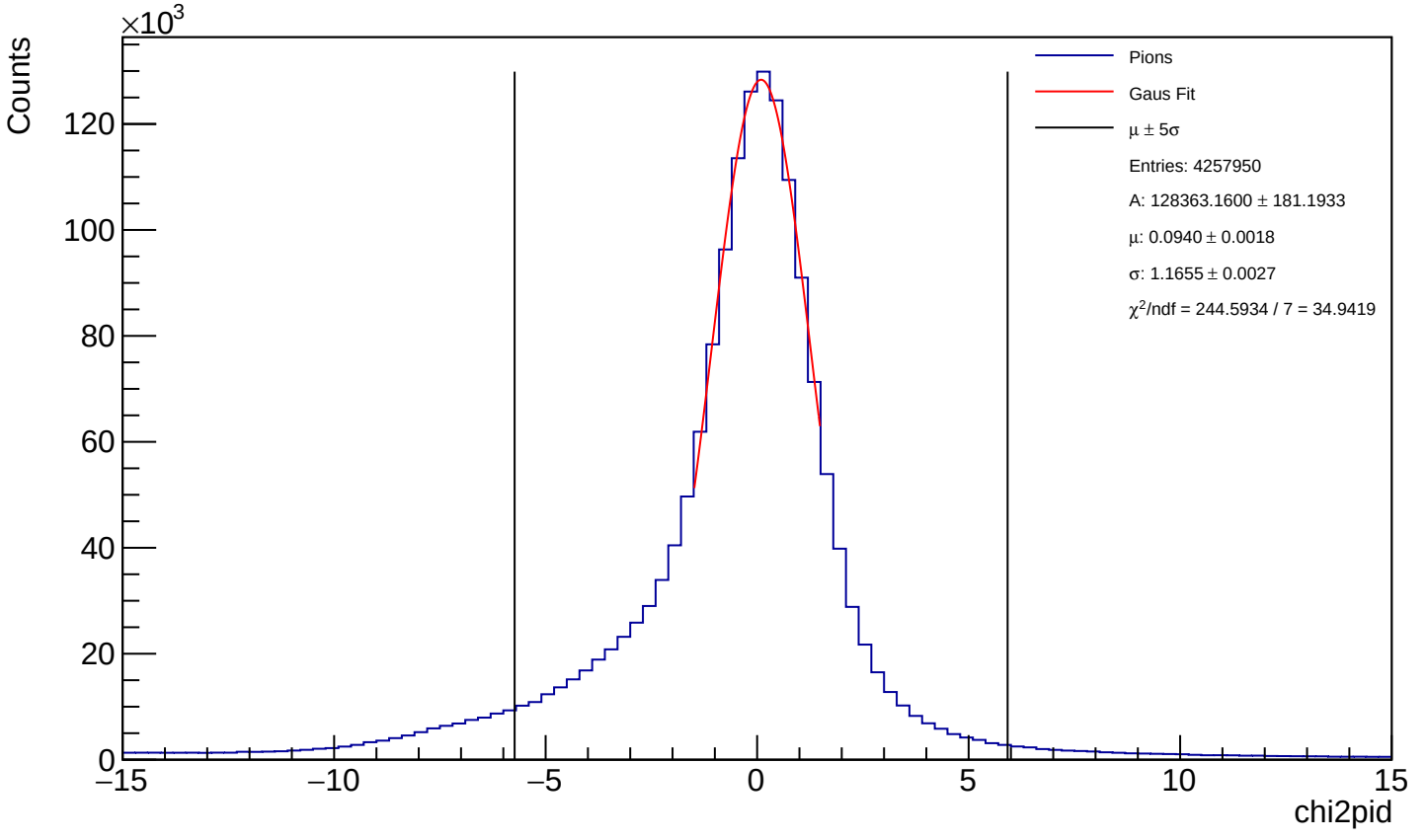
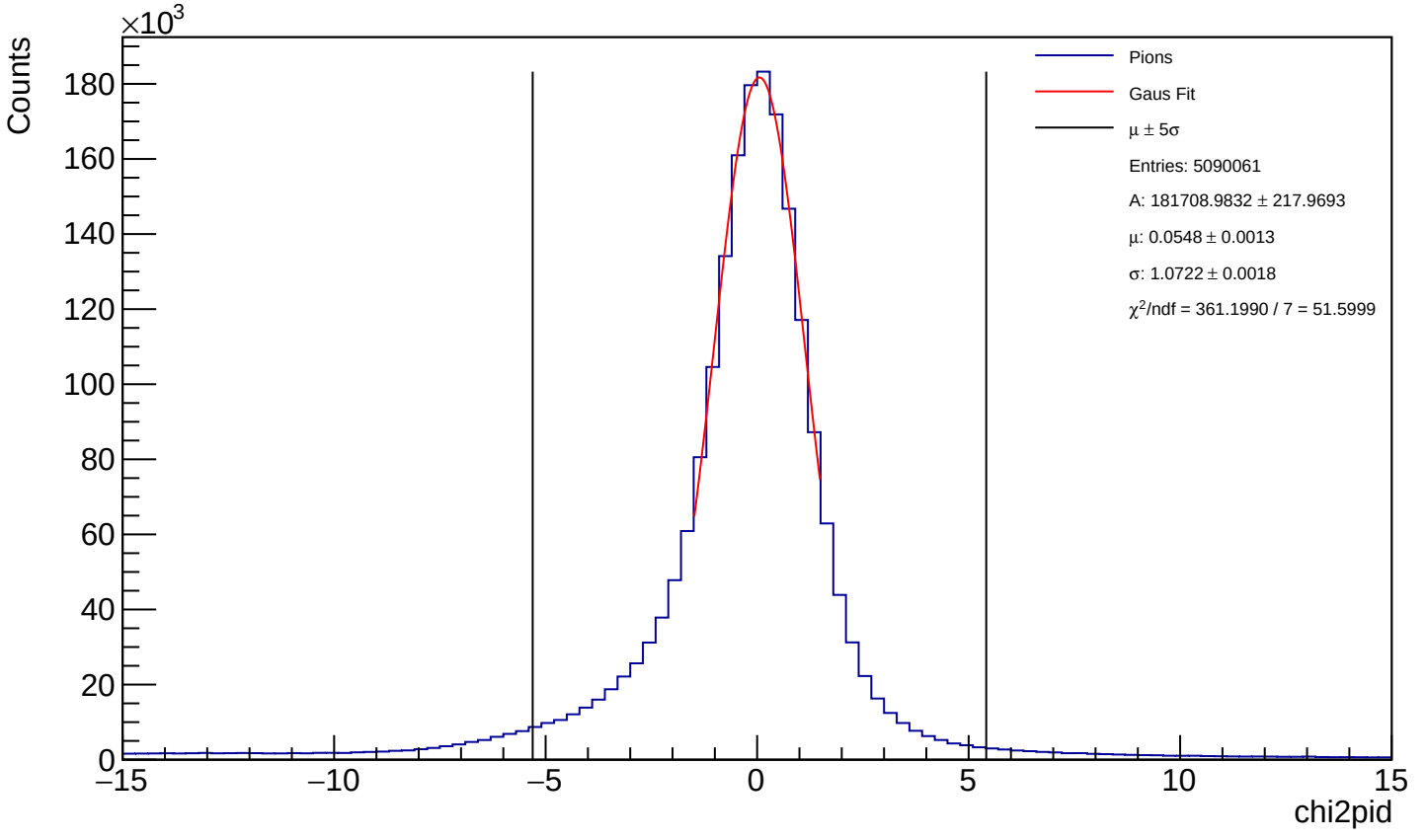
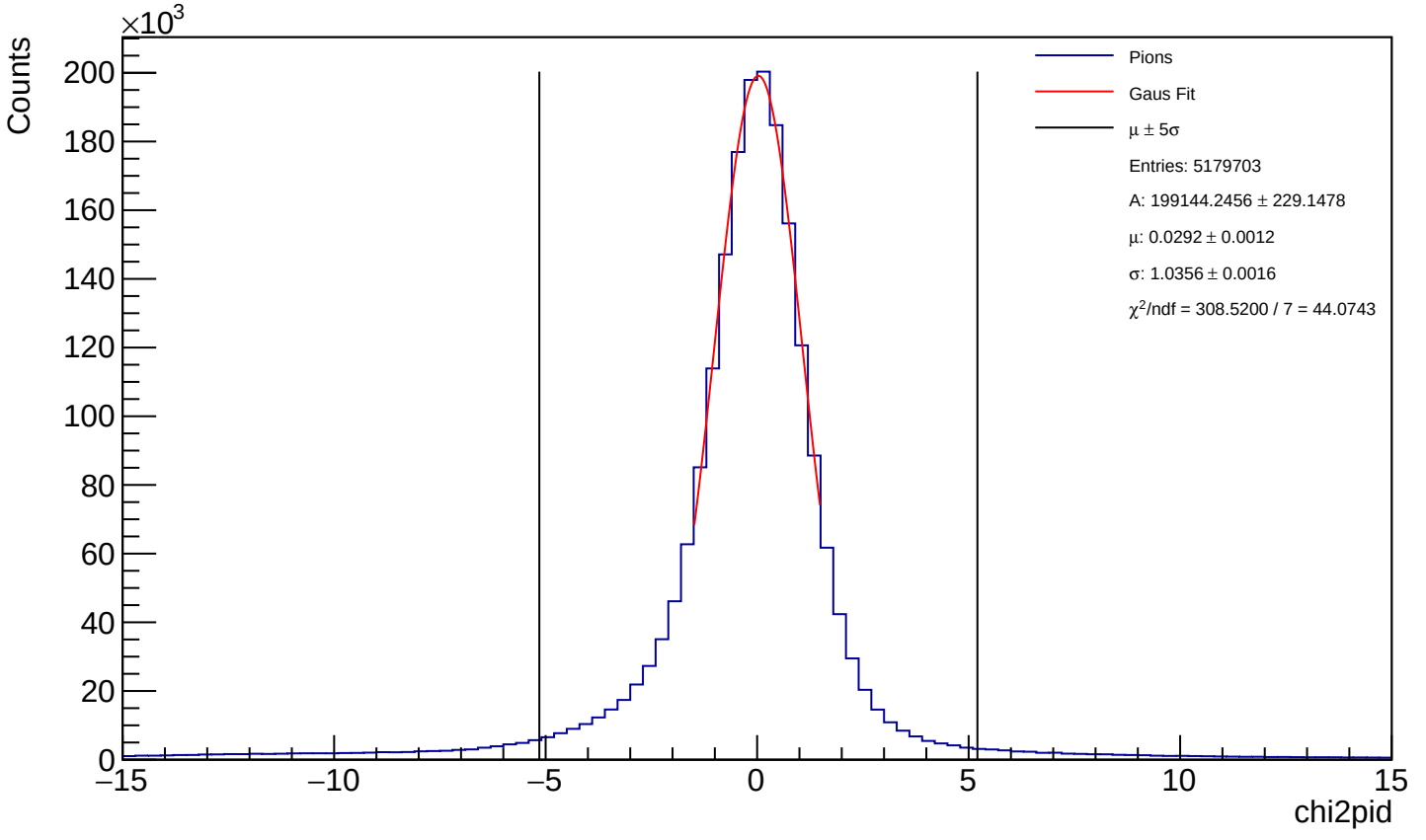
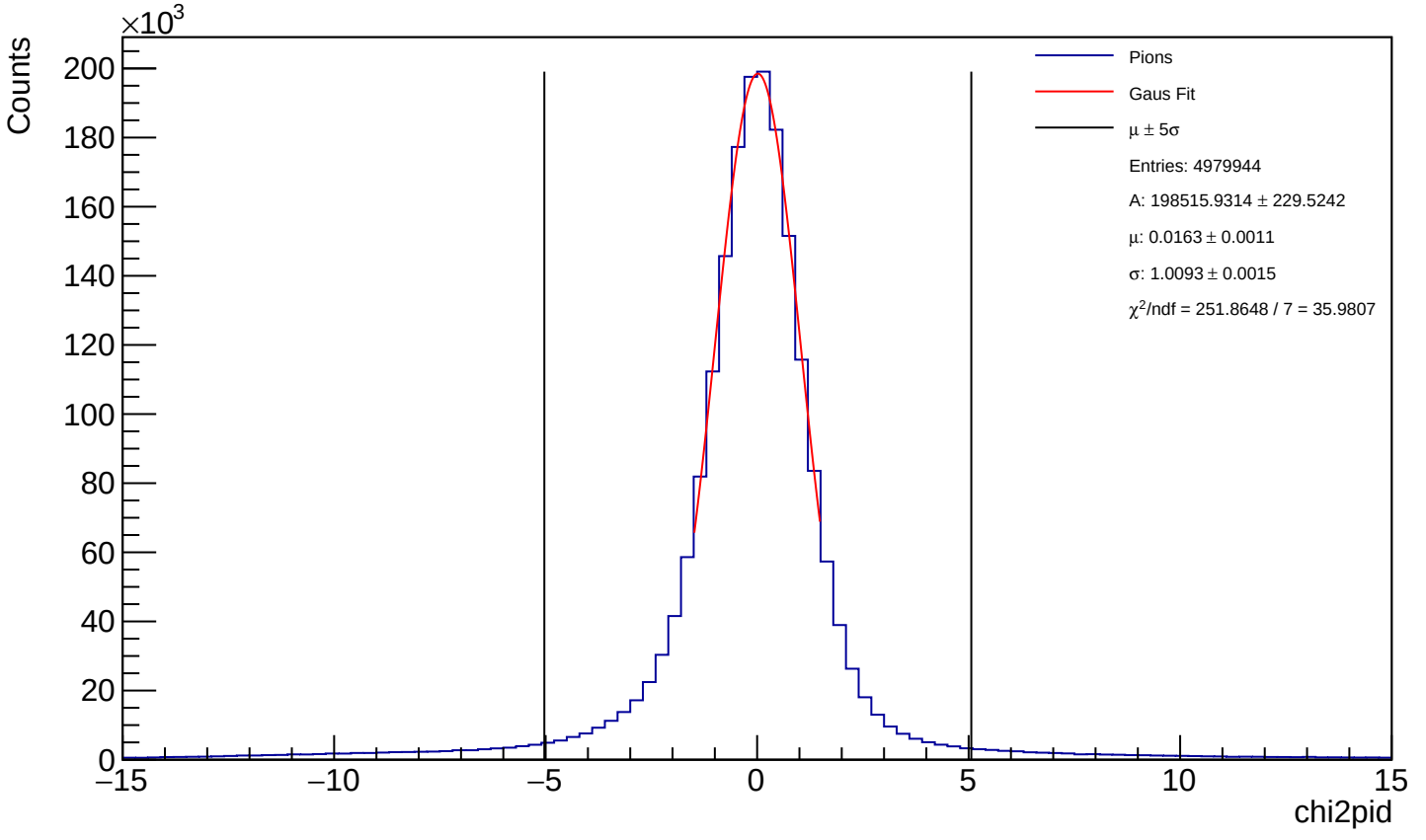

p: [0.40-0.50) GeV/c
Counts
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 1310360
A: 9169.9173 ± 46.2976
μ: 0.1884 ± 0.0172
σ: 1.9344 ± 0.0398
χ²/ndf = 6.3029 / 7 = 0.9004
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
−15
−10
−5
0
5
10
15

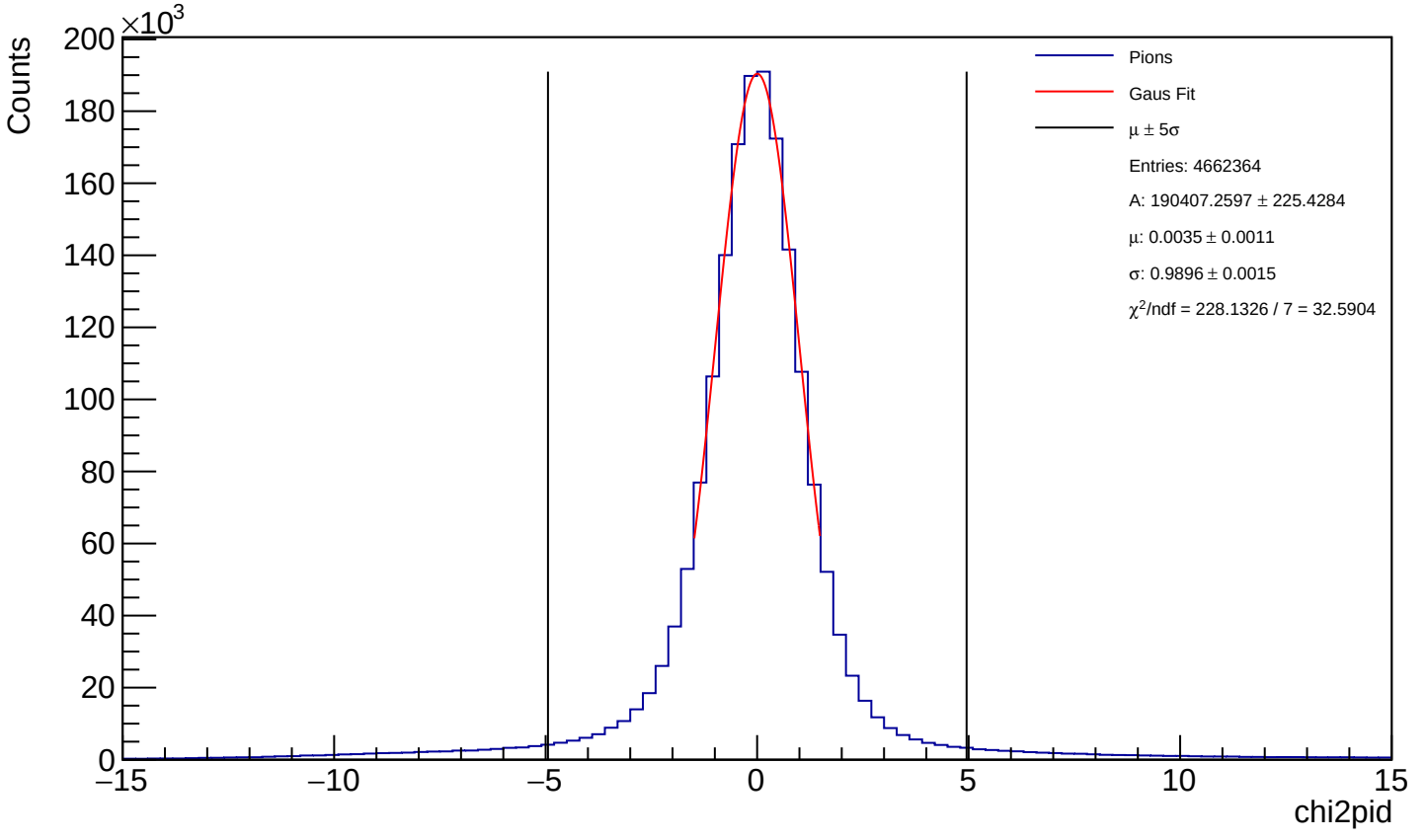

p: [0.50-0.60) GeV/c
Counts
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 2459275
A: 45332.5075 ± 105.5171
μ: 0.0988 ± 0.0043
σ: 1.4396 ± 0.0078
χ²/ndf = 87.1221 / 7 = 12.4460

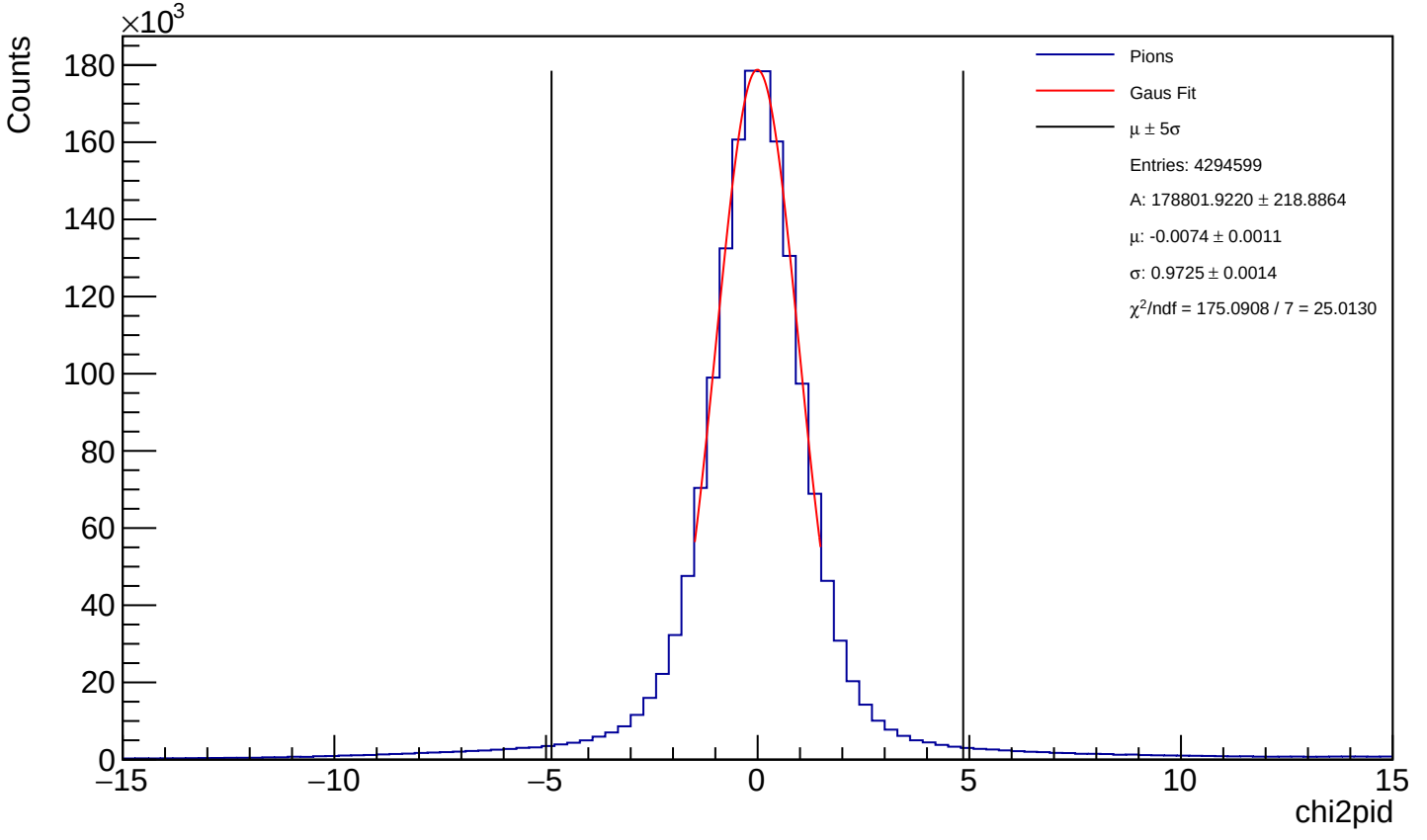

p: [0.60-0.70) GeV/c
×10^3
Counts
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 4257950
A: 128363.1600 ± 181.1933
μ: 0.0940 ± 0.0018
σ: 1.1655 ± 0.0027
χ²/ndf = 244.5934 / 7 = 34.9419

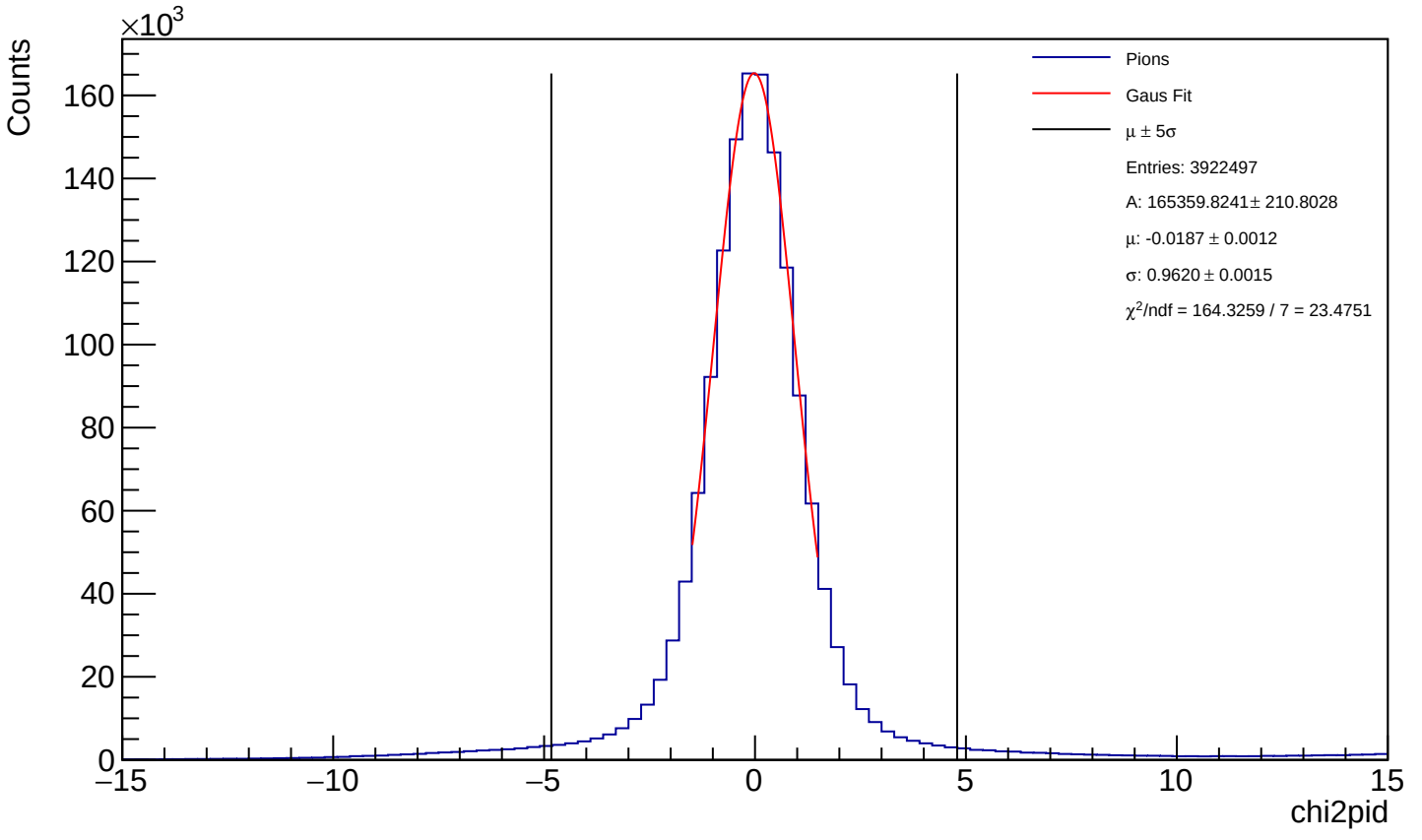

p: [0.70-0.80) GeV/c
Counts
×10^3
180
160
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 5090061
A: 181708.9832 ± 217.9693
μ: 0.0548 ± 0.0013
σ: 1.0722 ± 0.0018
χ²/ndf = 361.1990 / 7 = 51.5999

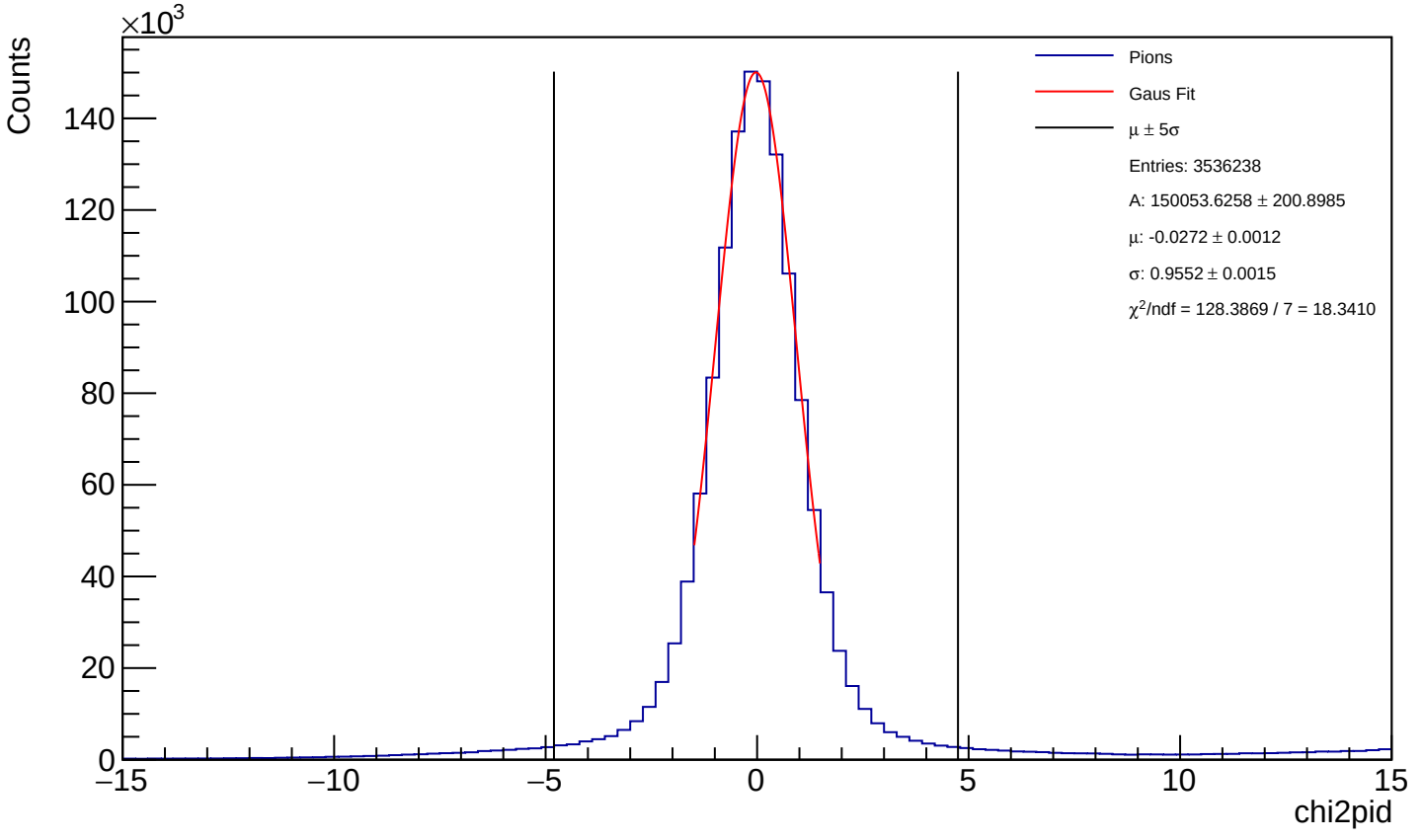

p: [0.80-0.90) GeV/c
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 5179703
A: 199144.2456 ± 229.1478
μ: 0.0292 ± 0.0012
σ: 1.0356 ± 0.0016
χ²/ndf = 308.5200 / 7 = 44.0743

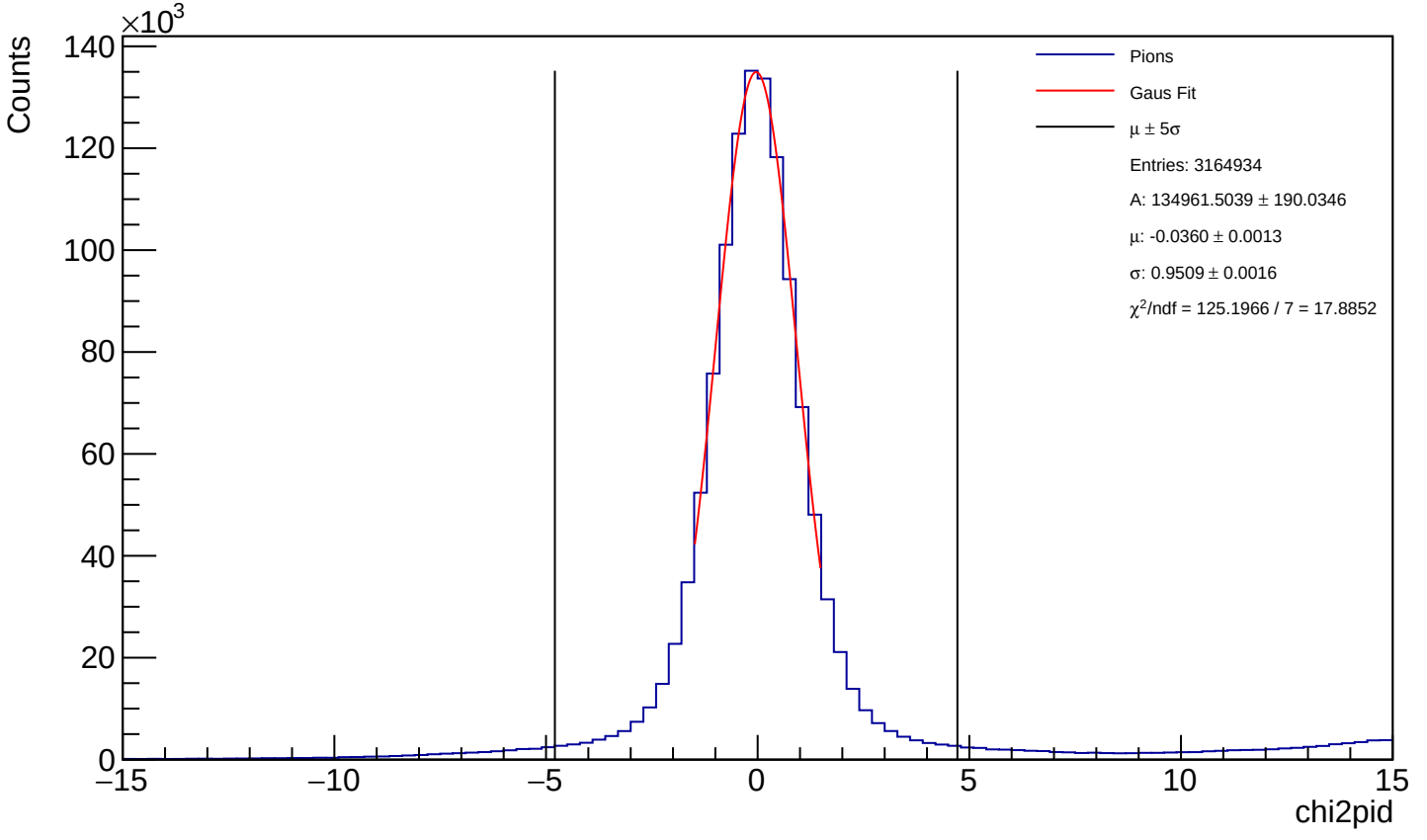

p: [0.90-1.00) GeV/c
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 4979944
A: 198515.9314 ± 229.5242
μ: 0.0163 ± 0.0011
σ: 1.0093 ± 0.0015
χ²/ndf = 251.8648 / 7 = 35.9807

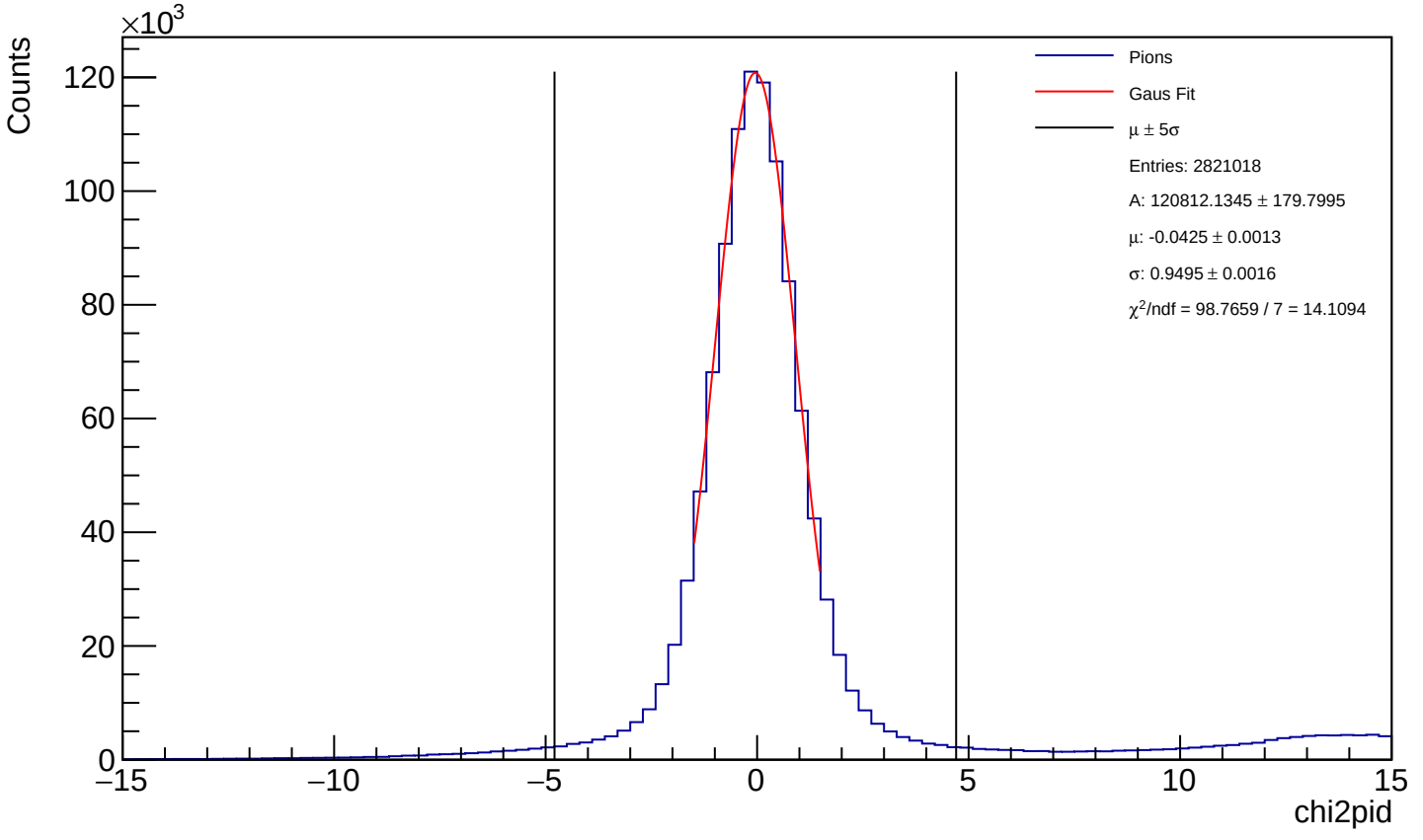

p: [1.00-1.10) GeV/c
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 4662364
A: 190407.2597 ± 225.4284
μ: 0.0035 ± 0.0011
σ: 0.9896 ± 0.0015
χ²/ndf = 228.1326 / 7 = 32.5904

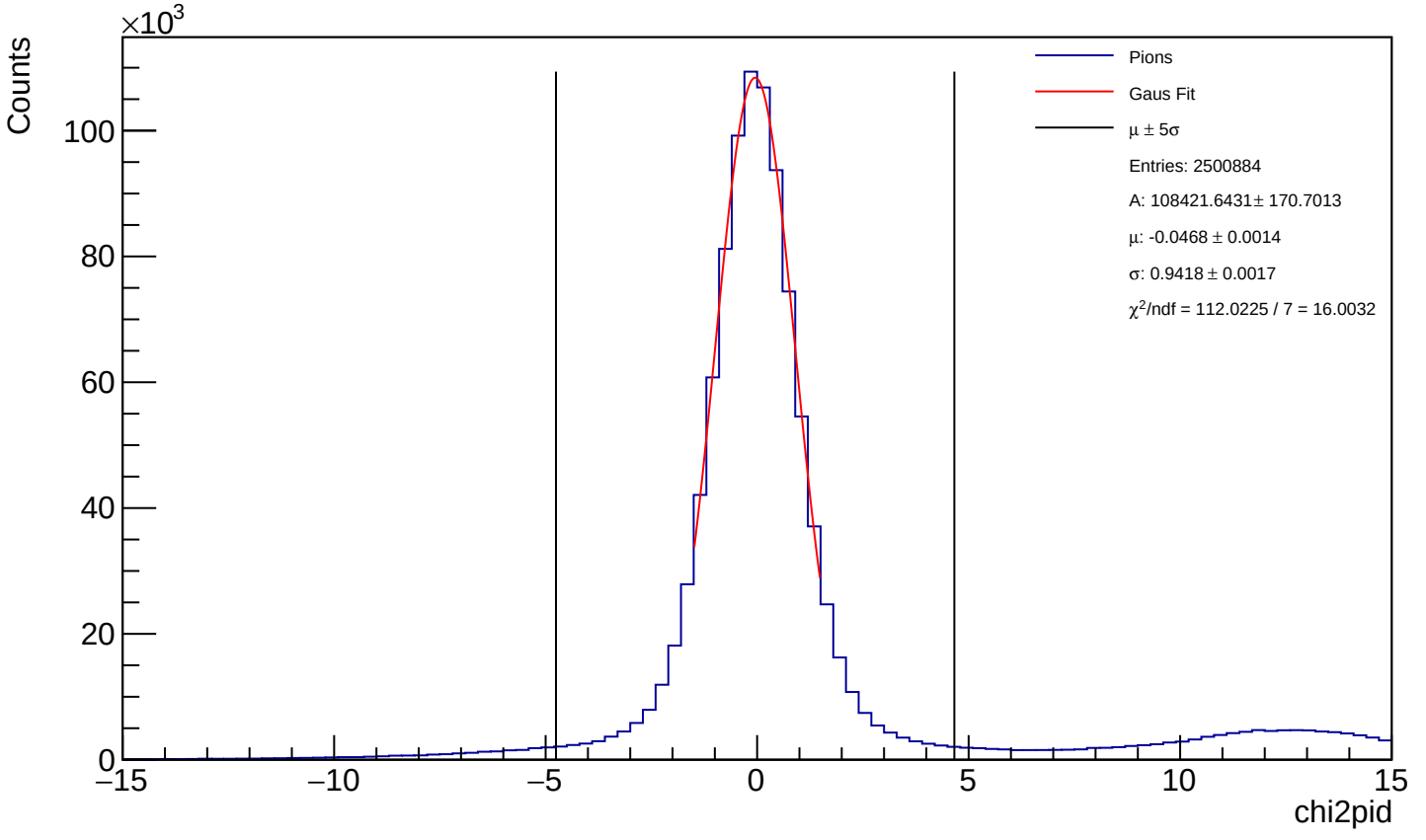

p: [1.10-1.20) GeV/c
×10^3
Counts
180
160
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 4294599
A: 178801.9220 ± 218.8864
μ: -0.0074 ± 0.0011
σ: 0.9725 ± 0.0014
χ²/ndf = 175.0908 / 7 = 25.0130

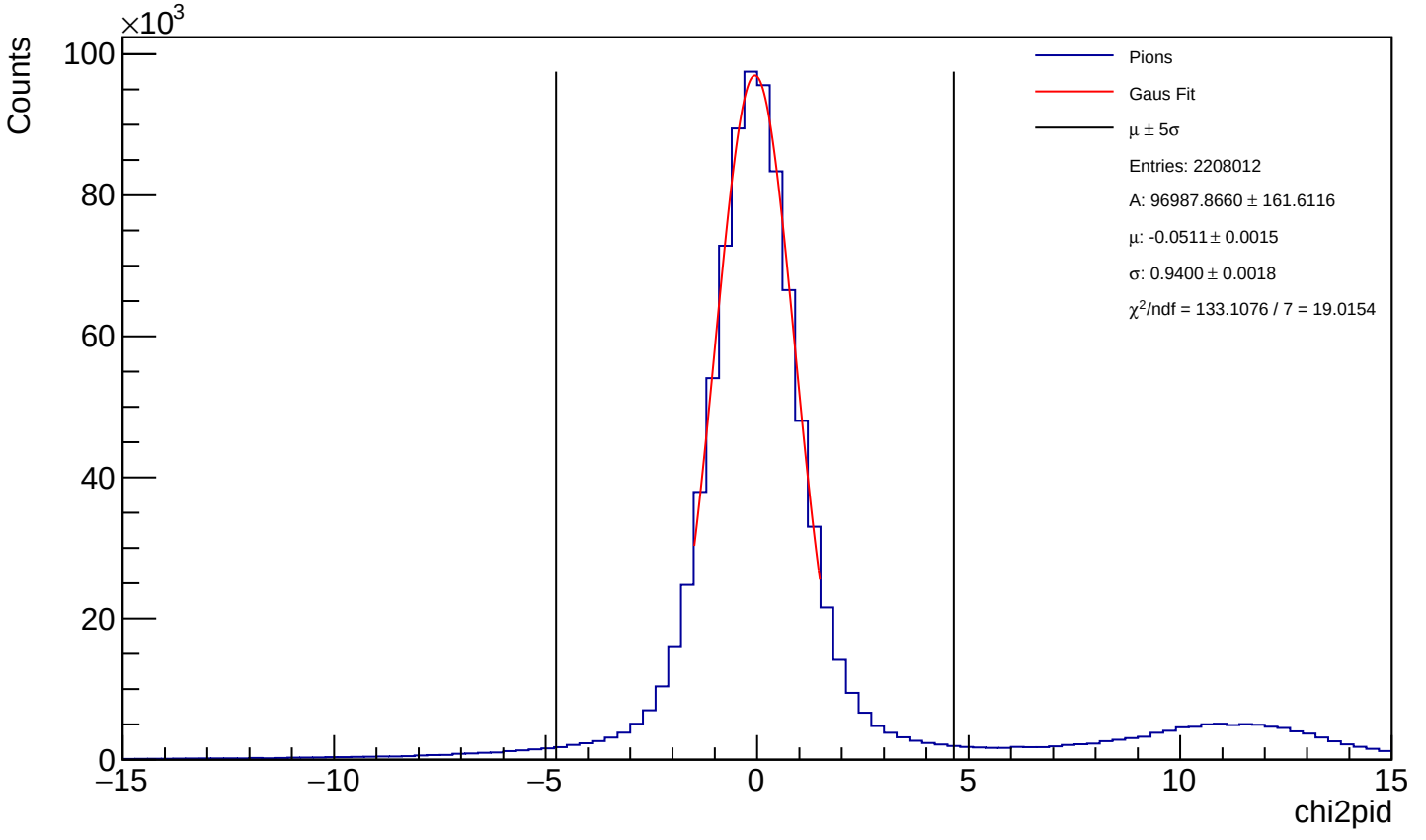

p: [1.20-1.30) GeV/c
Counts
×10^3
160
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 3922497
A: 165359.8241± 210.8028
μ: -0.0187 ± 0.0012
σ: 0.9620 ± 0.0015
χ²/ndf = 164.3259 / 7 = 23.4751

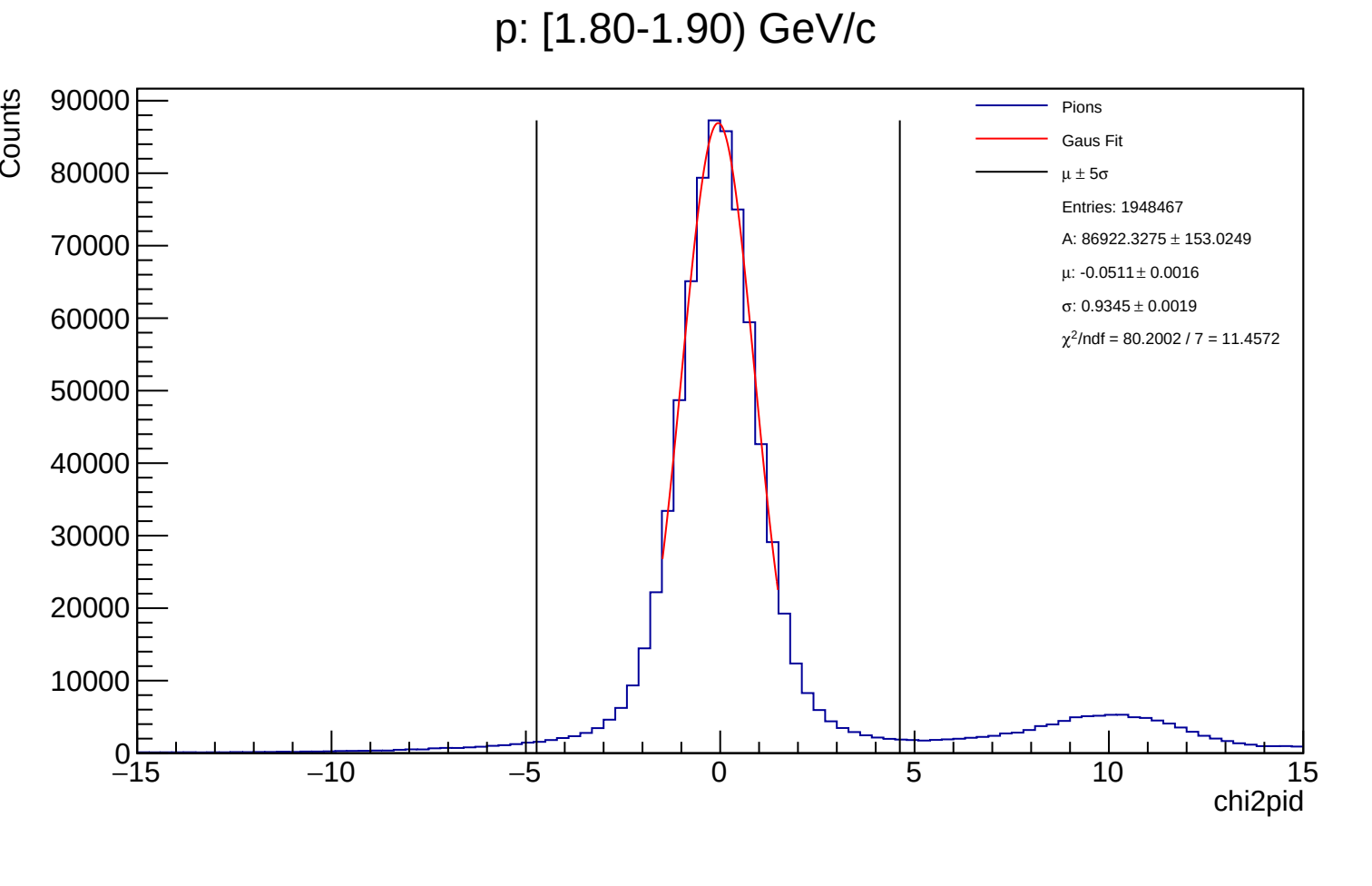

p: [1.30-1.40) GeV/c
Counts
×10^3
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 3536238
A: 150053.6258 ± 200.8985
μ: -0.0272 ± 0.0012
σ: 0.9552 ± 0.0015
χ²/ndf = 128.3869 / 7 = 18.3410

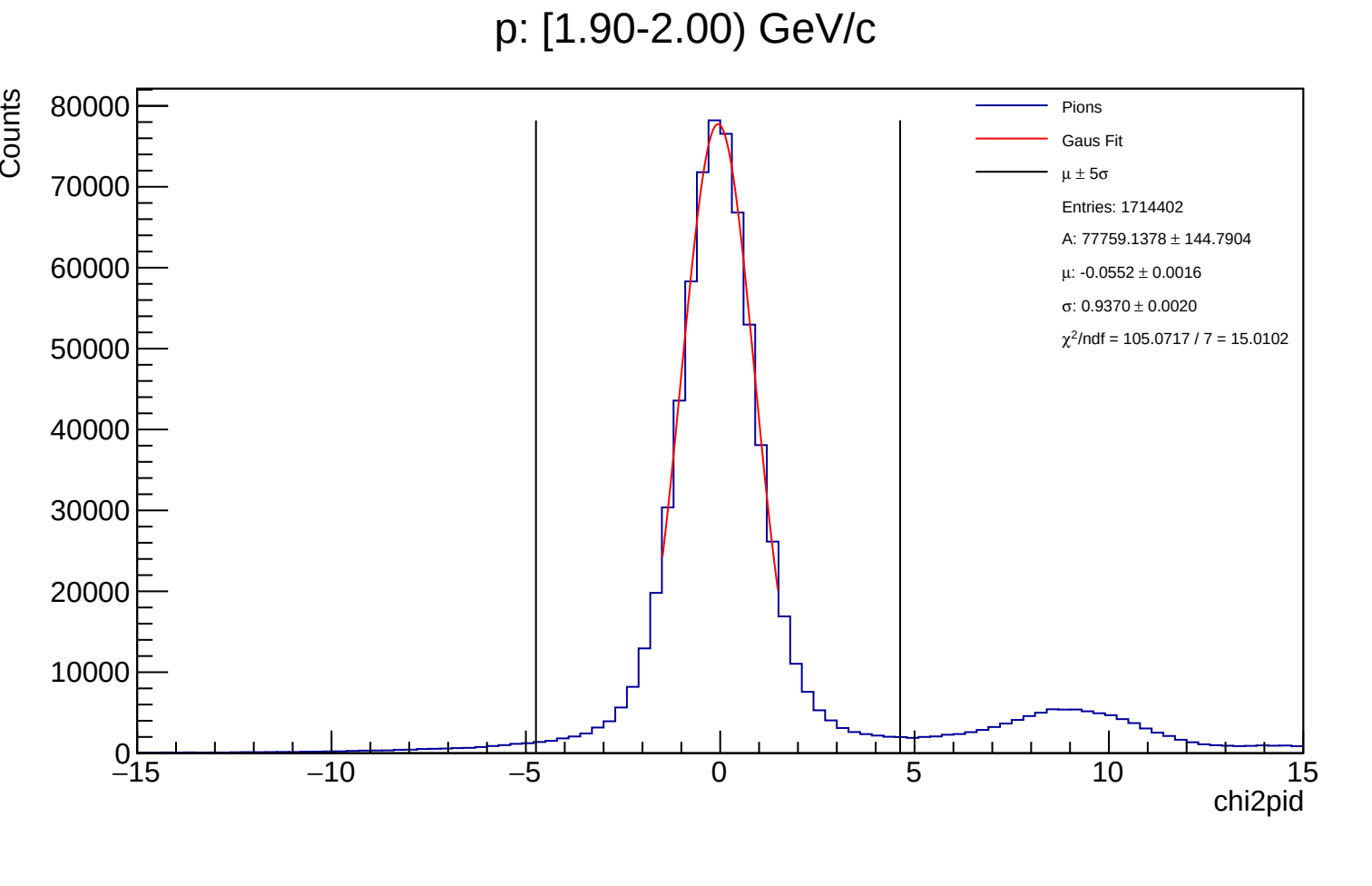

p: [1.40-1.50) GeV/c
×10^3
Counts
140
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 3164934
A: 134961.5039 ± 190.0346
μ: -0.0360 ± 0.0013
σ: 0.9509 ± 0.0016
χ²/ndf = 125.1966 / 7 = 17.8852

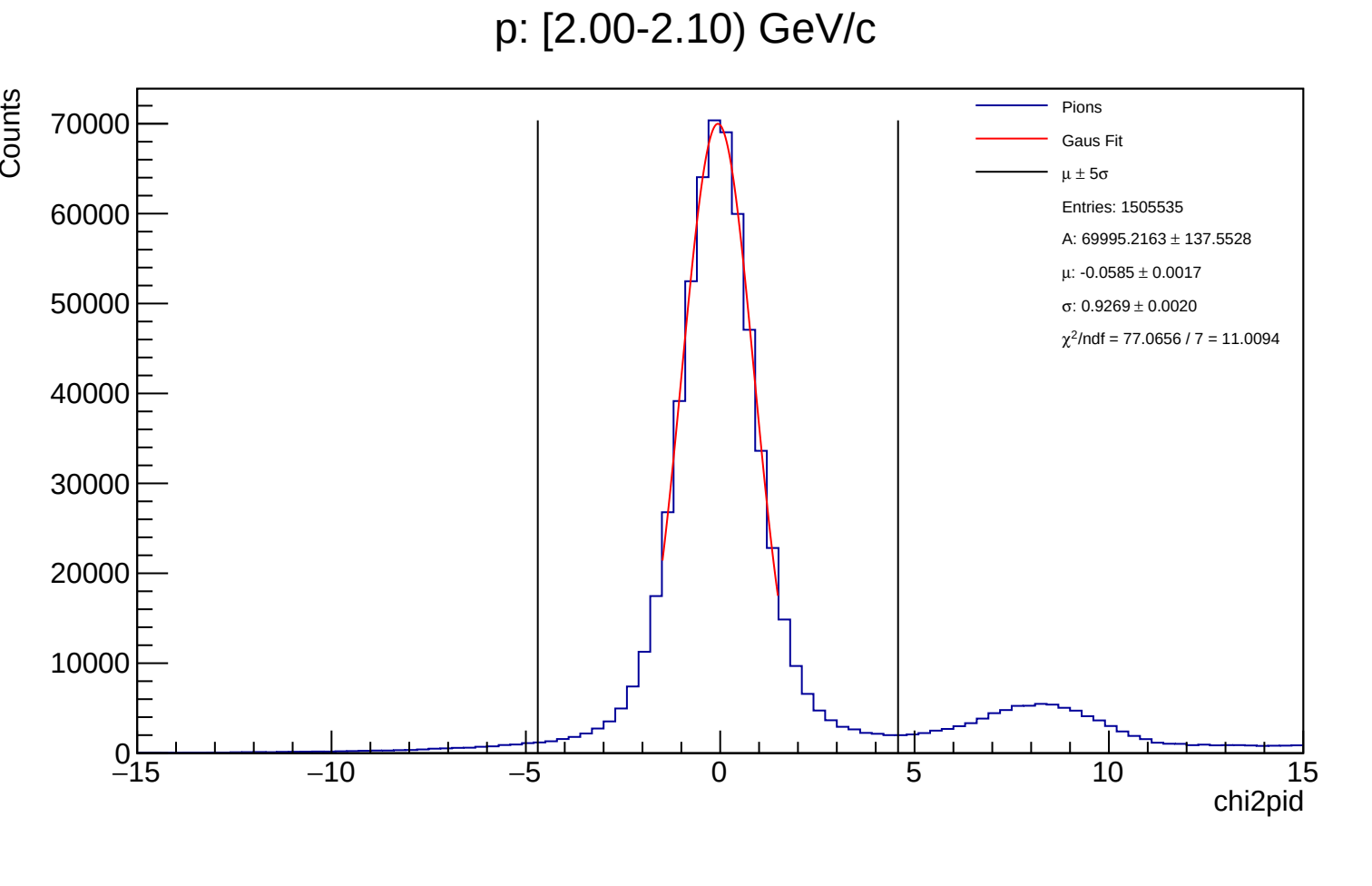

p: [1.50-1.60) GeV/c
×10^3
Counts
120
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 2821018
A: 120812.1345 ± 179.7995
μ: -0.0425 ± 0.0013
σ: 0.9495 ± 0.0016
χ²/ndf = 98.7659 / 7 = 14.1094

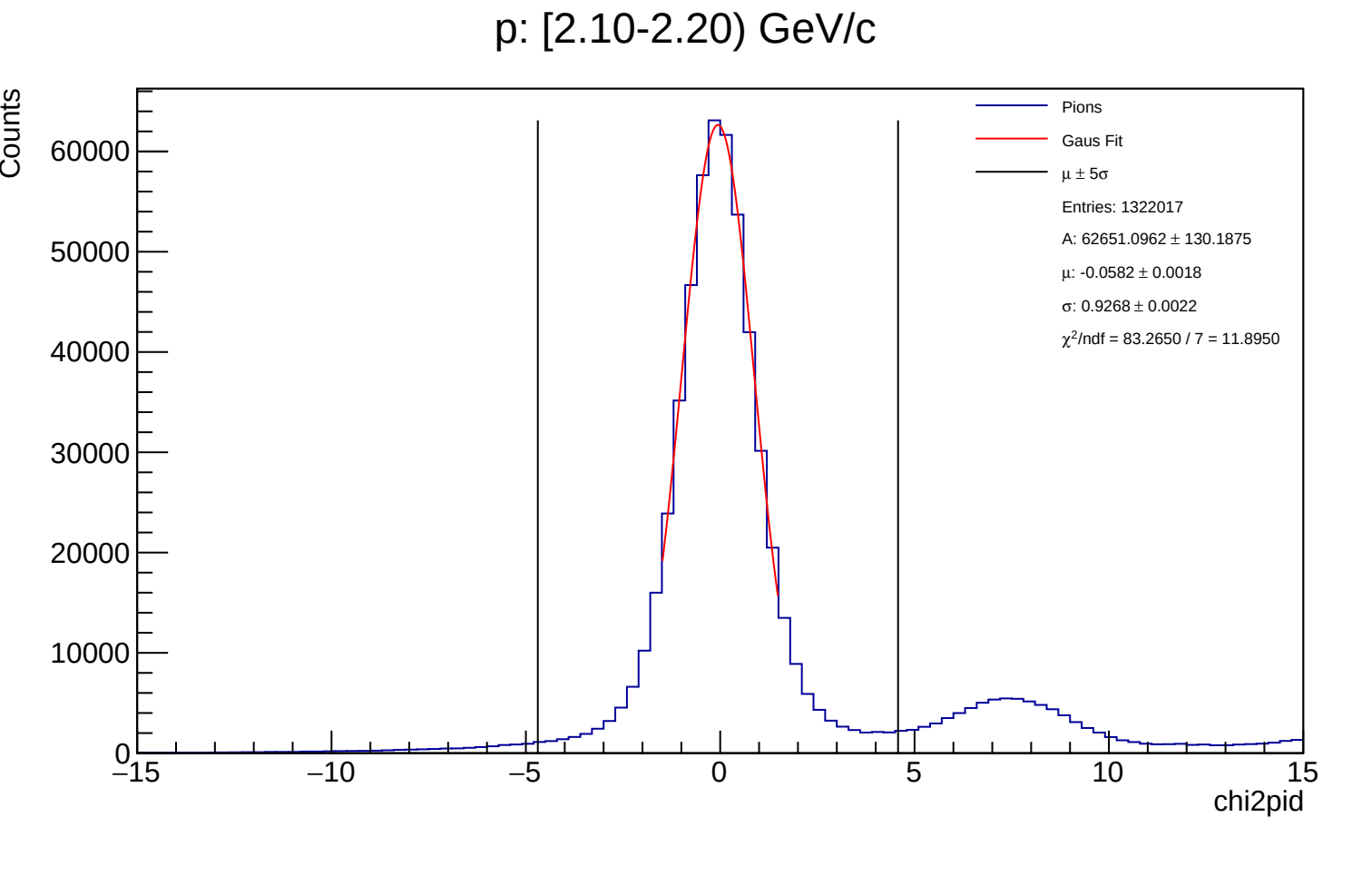

p: [1.60-1.70) GeV/c
Counts
×10^3
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 2500884
A: 108421.6431± 170.7013
μ: -0.0468 ± 0.0014
σ: 0.9418 ± 0.0017
χ²/ndf = 112.0225 / 7 = 16.0032

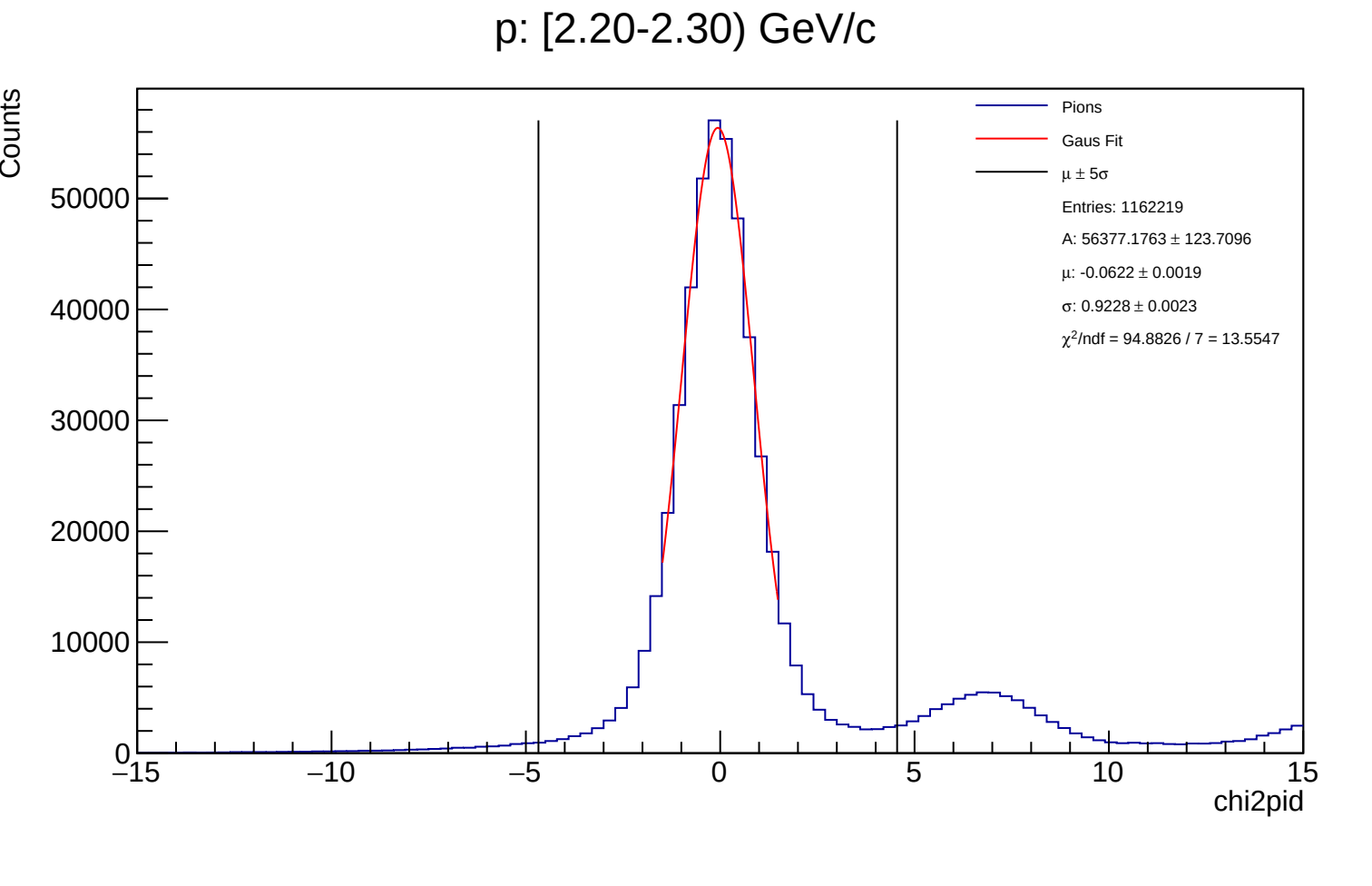

p: [1.70-1.80) GeV/c
Counts
×10^3
100
80
60
40
20
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 2208012
A: 96987.8660 ± 161.6116
μ: -0.0511 ± 0.0015
σ: 0.9400 ± 0.0018
χ²/ndf = 133.1076 / 7 = 19.0154

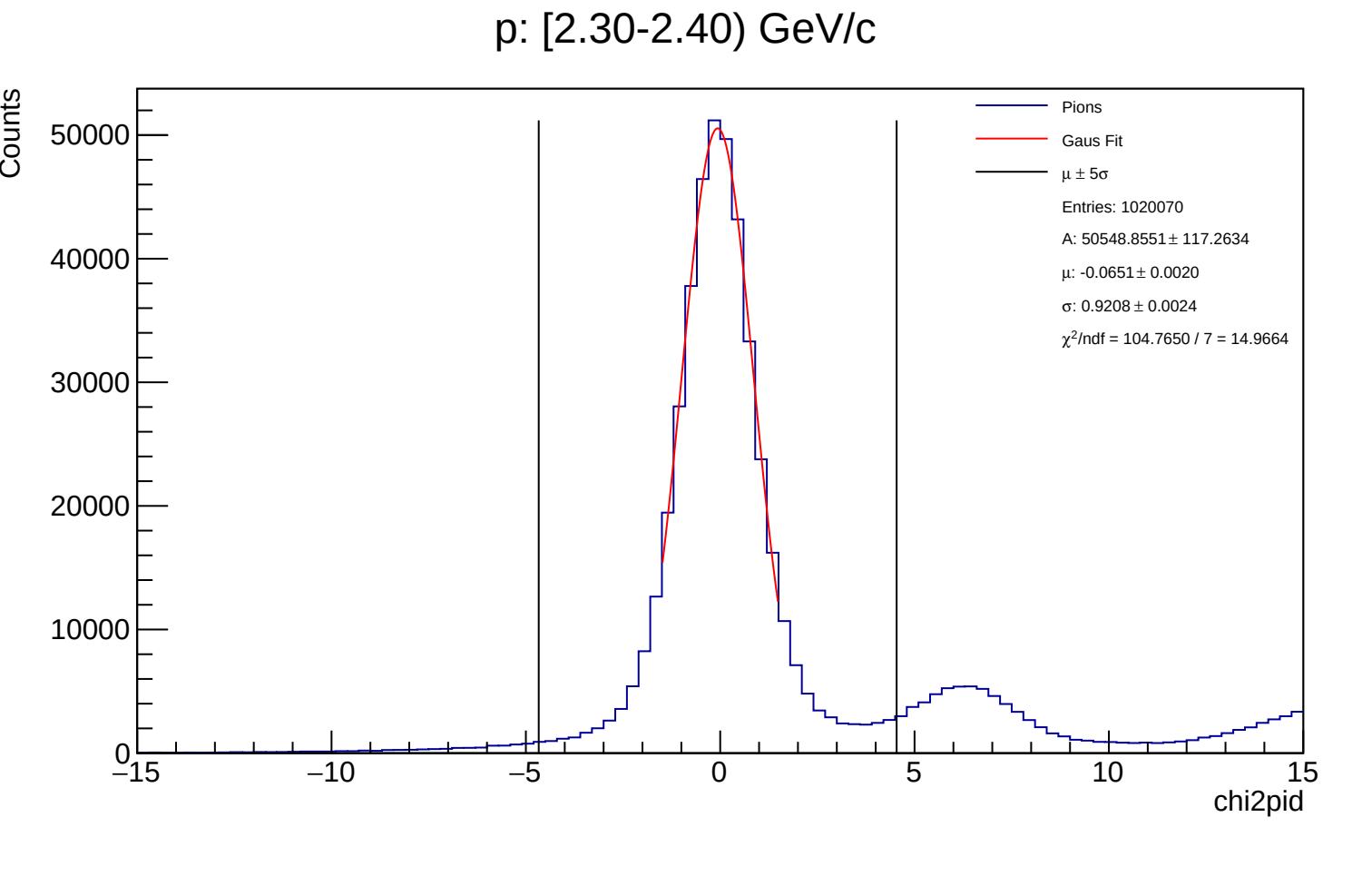

p: [1.80-1.90) GeV/c
Counts
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 1948467
A: 86922.3275 ± 153.0249
μ: -0.0511 ± 0.0016
σ: 0.9345 ± 0.0019
χ²/ndf = 80.2002 / 7 = 11.4572

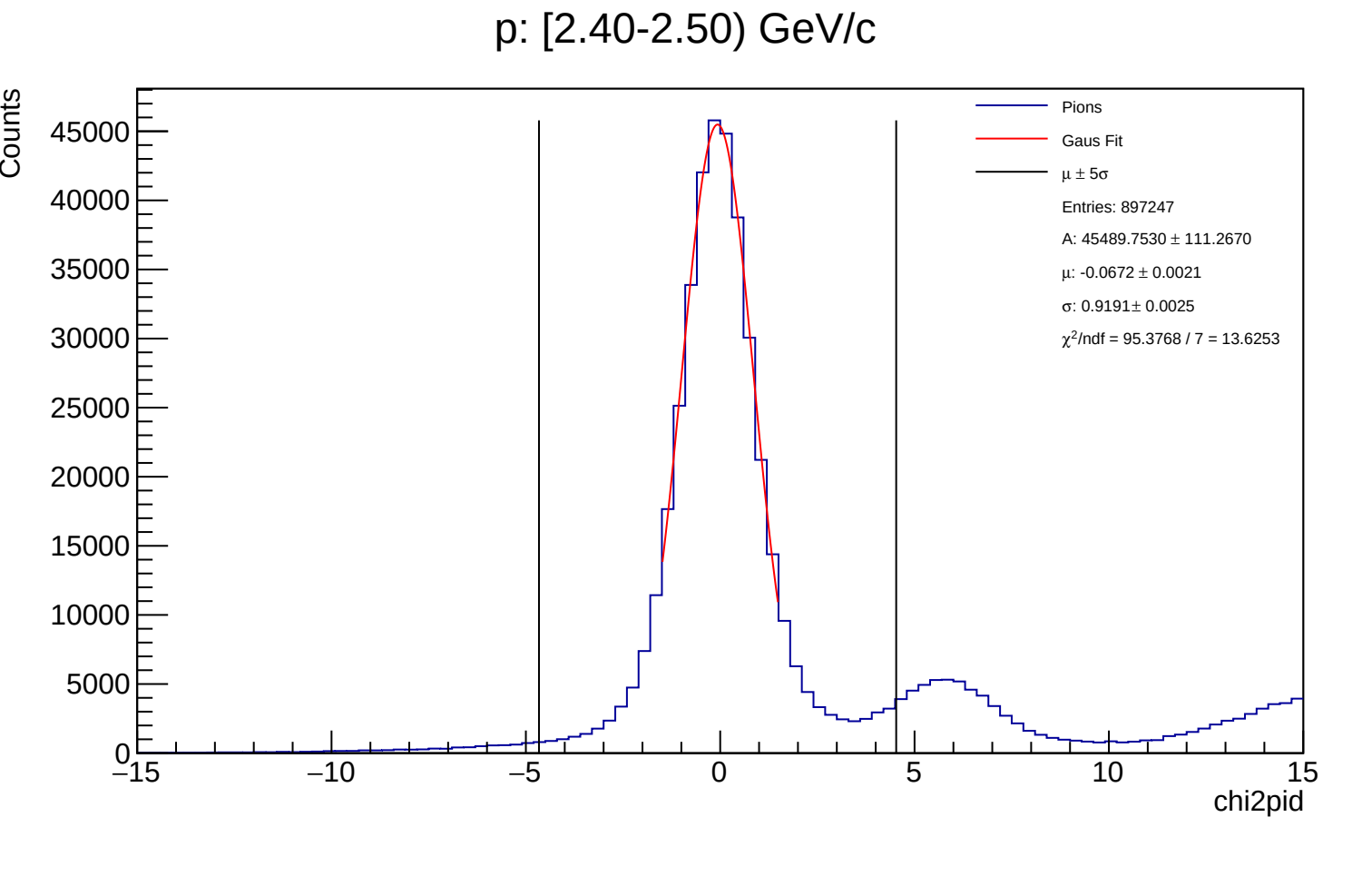

p: [1.90-2.00) GeV/c
Counts
80000
70000
60000
50000
40000
30000
20000
10000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 1714402
A: 77759.1378 ± 144.7904
μ: -0.0552 ± 0.0016
σ: 0.9370 ± 0.0020
χ²/ndf = 105.0717 / 7 = 15.0102

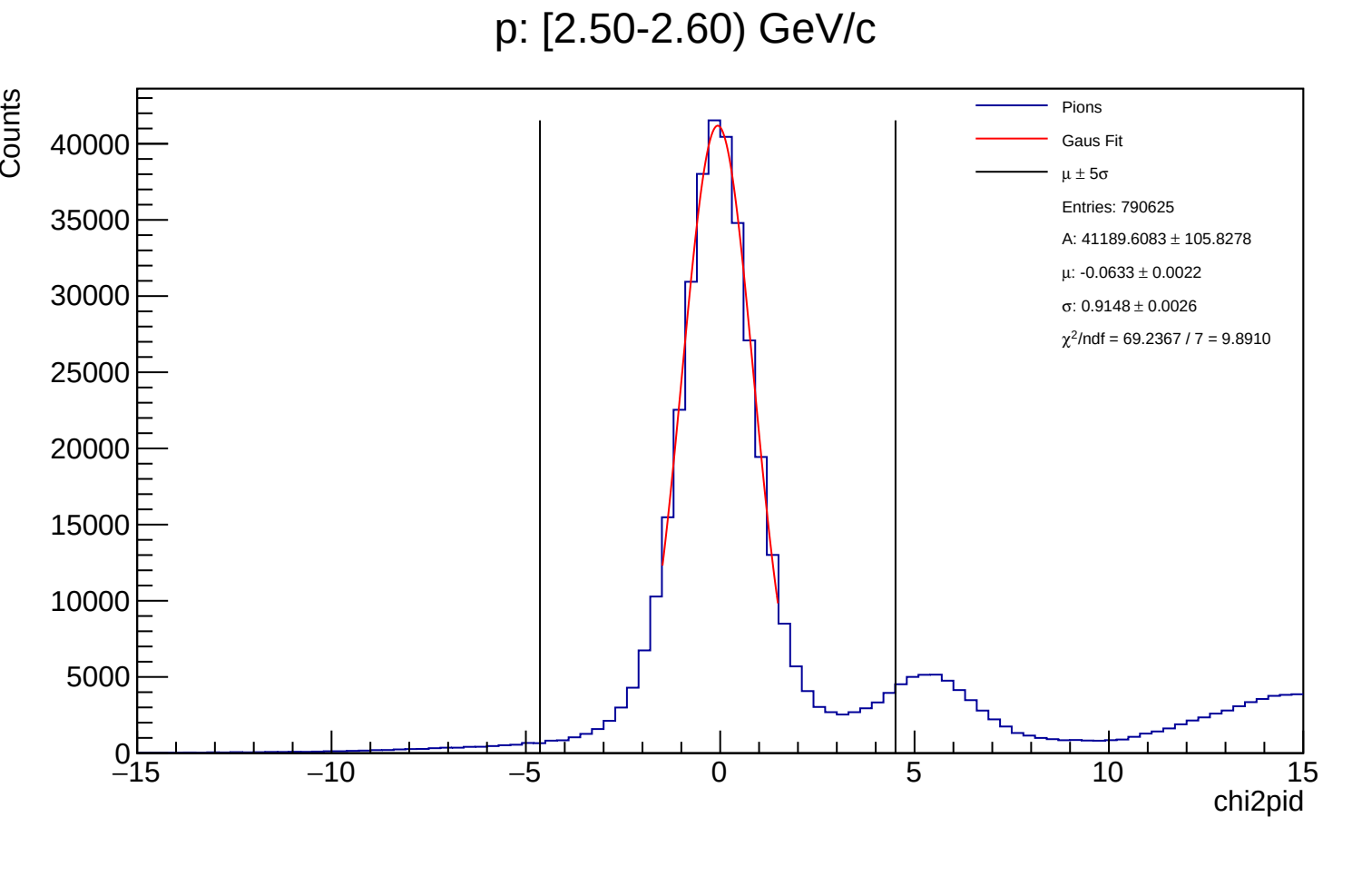

p: [2.00-2.10) GeV/c
Counts
70000
60000
50000
40000
30000
20000
10000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 1505535
A: 69995.2163 ± 137.5528
μ: -0.0585 ± 0.0017
σ: 0.9269 ± 0.0020
χ²/ndf = 77.0656 / 7 = 11.0094

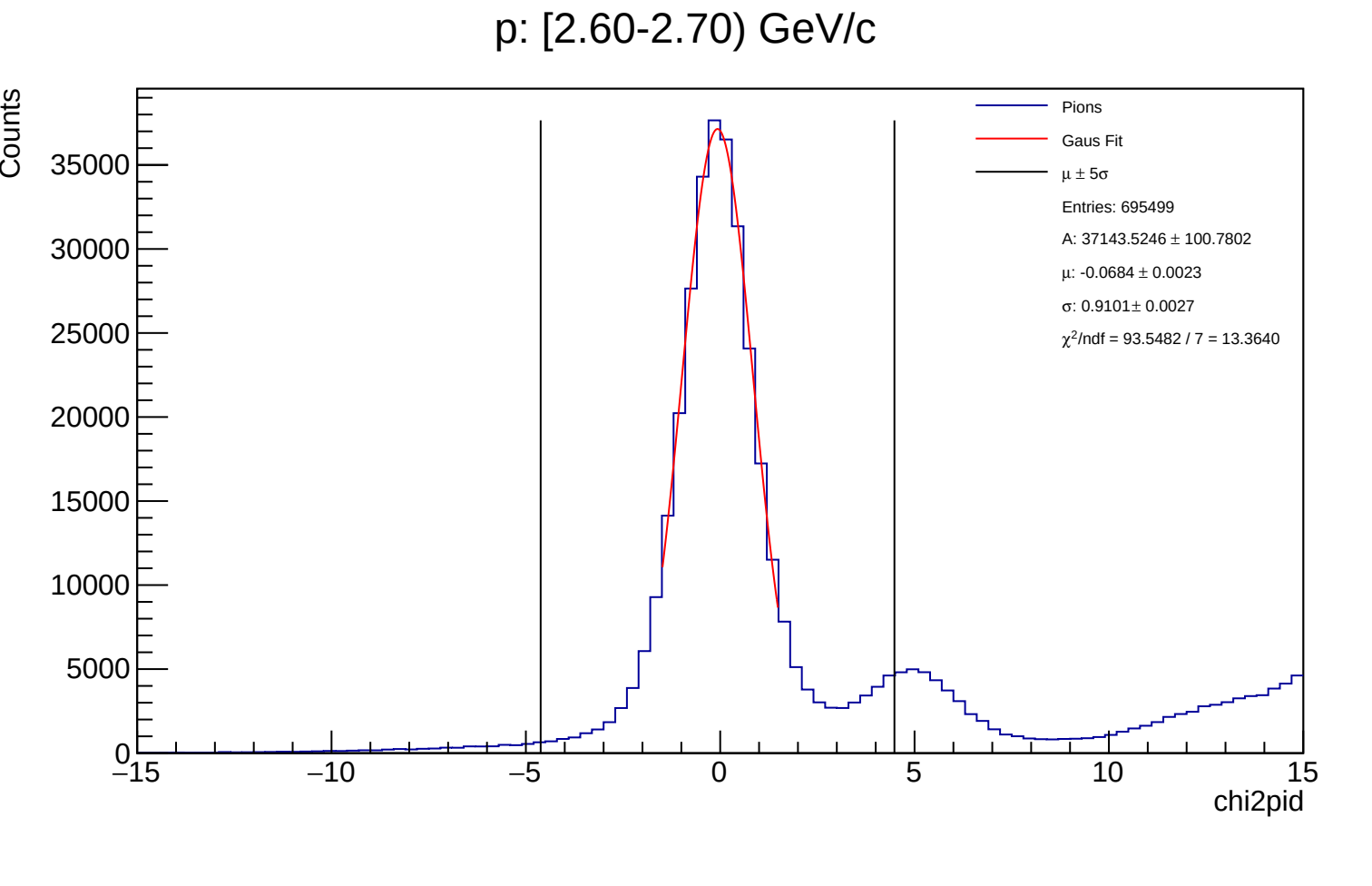

p: [2.10-2.20) GeV/c
Counts
60000
50000
40000
30000
20000
10000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 1322017
A: 62651.0962 ± 130.1875
μ: -0.0582 ± 0.0018
σ: 0.9268 ± 0.0022
χ²/ndf = 83.2650 / 7 = 11.8950

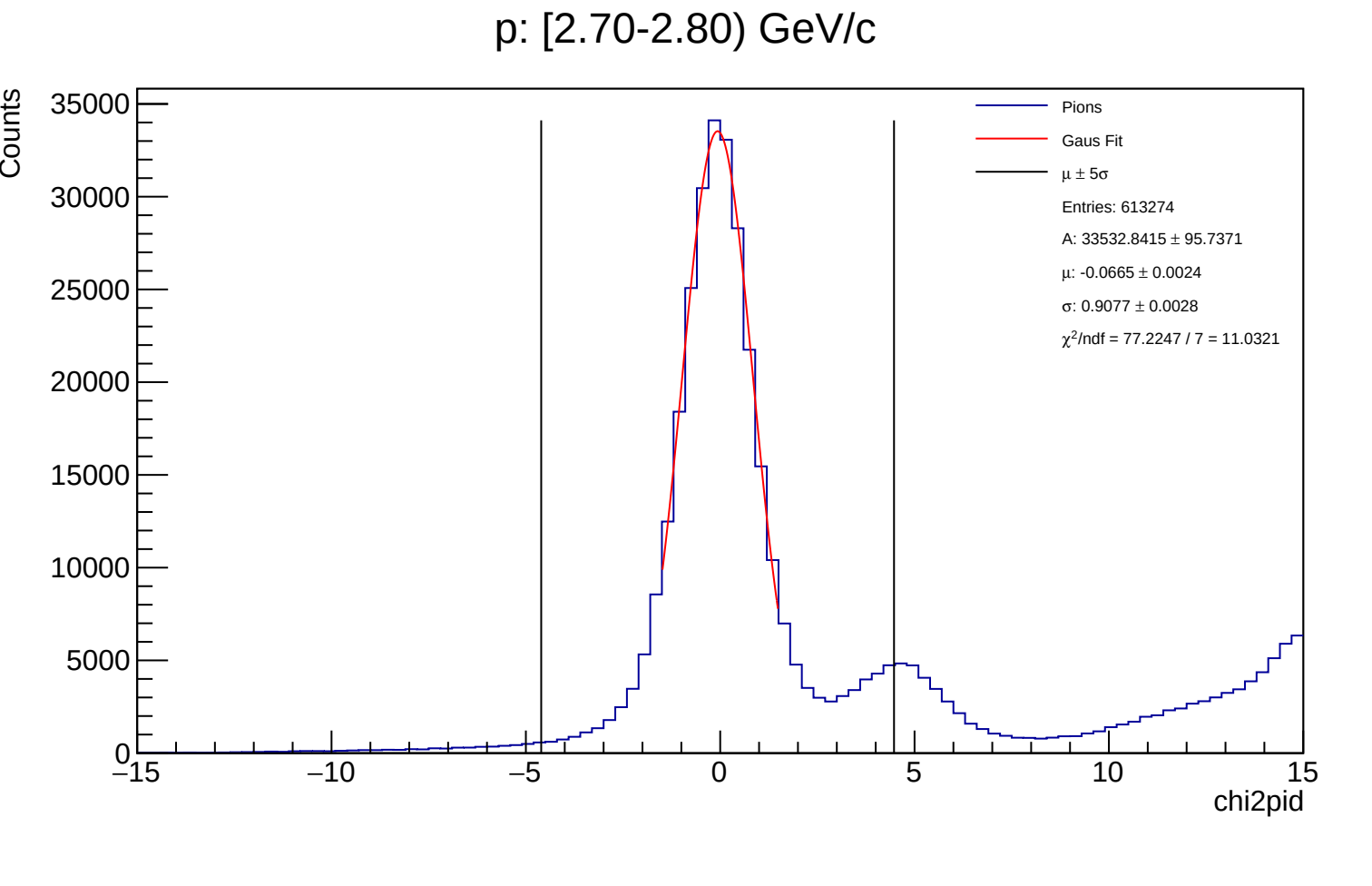

p: [2.20-2.30) GeV/c
Counts
50000
40000
30000
20000
10000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 1162219
A: 56377.1763 ± 123.7096
μ: -0.0622 ± 0.0019
σ: 0.9228 ± 0.0023
χ²/ndf = 94.8826 / 7 = 13.5547

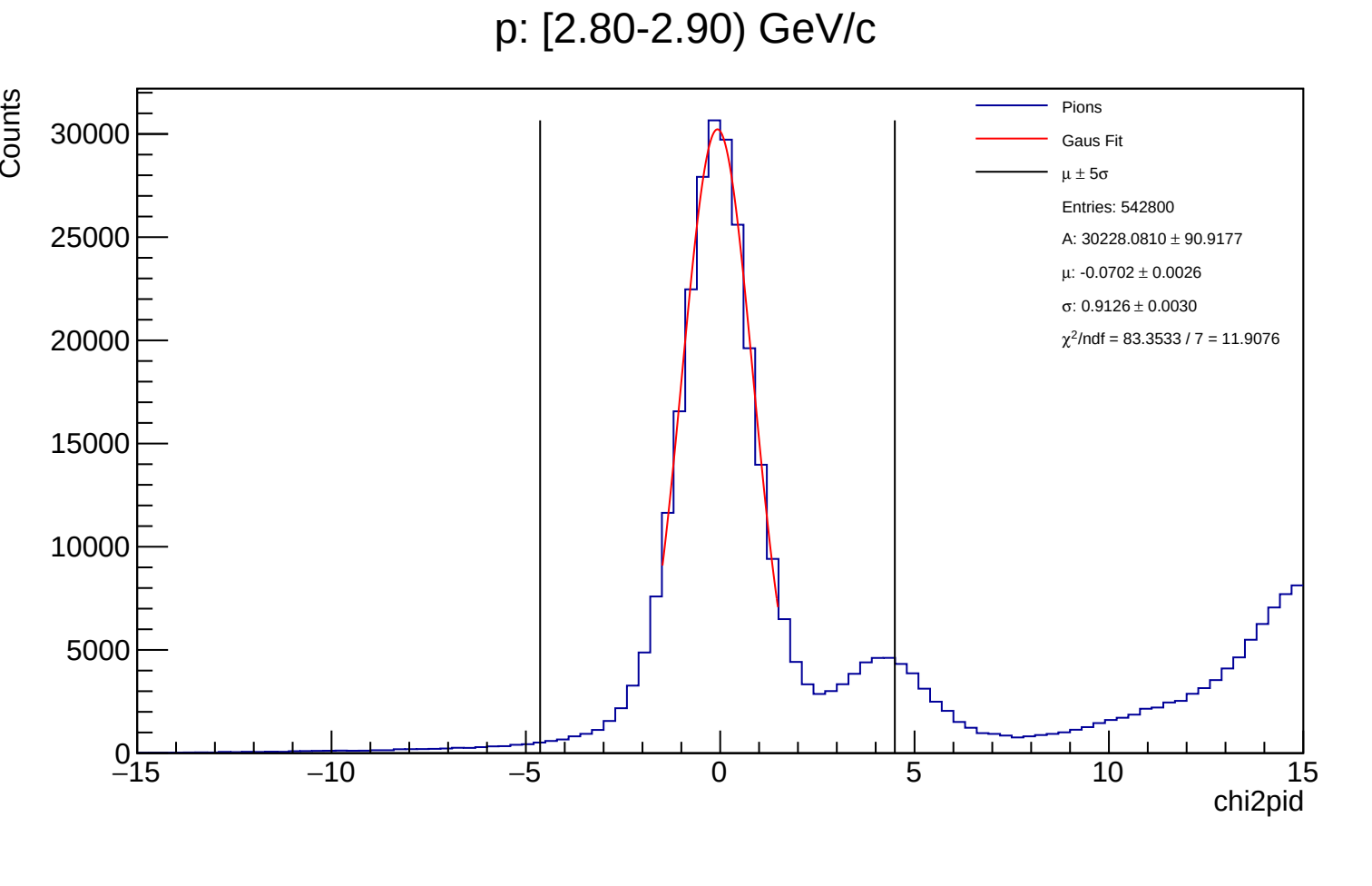

p: [2.30-2.40) GeV/c
Counts
50000
40000
30000
20000
10000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 1020070
A: 50548.8551 ± 117.2634
μ: -0.0651 ± 0.0020
σ: 0.9208 ± 0.0024
χ²/ndf = 104.7650 / 7 = 14.9664

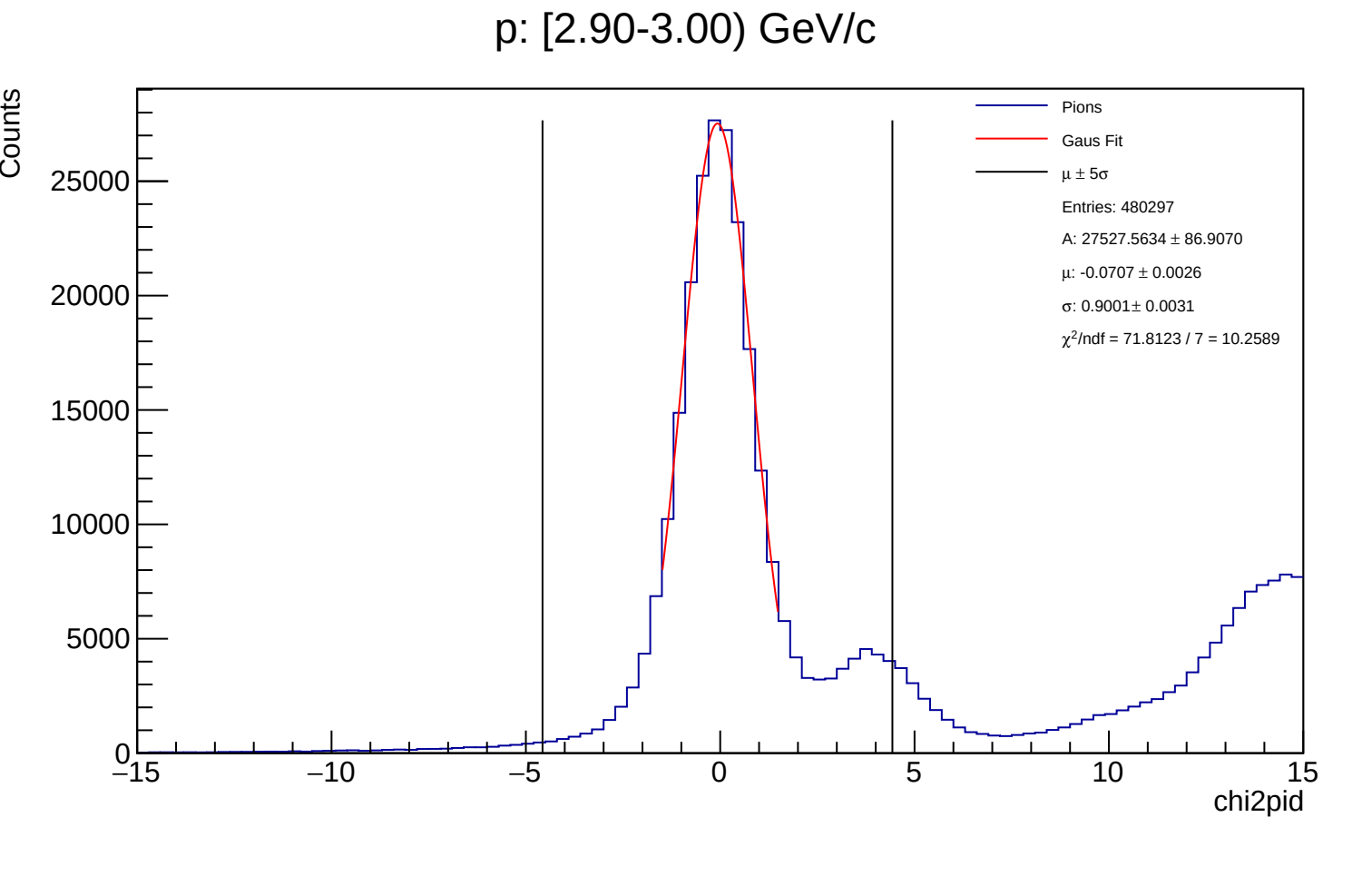

p: [2.40-2.50) GeV/c
Counts
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 897247
A: 45489.7530 ± 111.2670
μ: -0.0672 ± 0.0021
σ: 0.9191± 0.0025
χ²/ndf = 95.3768 / 7 = 13.6253


p: [2.50-2.60) GeV/c
Counts
40000
35000
30000
25000
20000
15000
10000
5000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 790625
A: 41189.6083 ± 105.8278
μ: -0.0633 ± 0.0022
σ: 0.9148 ± 0.0026
χ²/ndf = 69.2367 / 7 = 9.8910


p: [2.60-2.70) GeV/c
Counts
35000
30000
25000
20000
15000
10000
5000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 695499
A: 37143.5246 ± 100.7802
μ: -0.0684 ± 0.0023
σ: 0.9101± 0.0027
χ²/ndf = 93.5482 / 7 = 13.3640


p: [2.70-2.80) GeV/c
Counts
35000
30000
25000
20000
15000
10000
5000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 613274
A: 33532.8415 ± 95.7371
μ: -0.0665 ± 0.0024
σ: 0.9077 ± 0.0028
χ²/ndf = 77.2247 / 7 = 11.0321


p: [2.80-2.90) GeV/c
Counts
30000
25000
20000
15000
10000
5000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 542800
A: 30228.0810 ± 90.9177
μ: -0.0702 ± 0.0026
σ: 0.9126 ± 0.0030
χ²/ndf = 83.3533 / 7 = 11.9076


p: [2.90-3.00) GeV/c
Counts
25000
20000
15000
10000
5000
0
−15
−10
−5
0
5
10
15
chi2pid
Pions
Gaus Fit
μ ± 5σ
Entries: 480297
A: 27527.5634 ± 86.9070
μ: -0.0707 ± 0.0026
σ: 0.9001± 0.0031
χ²/ndf = 71.8123 / 7 = 10.2589