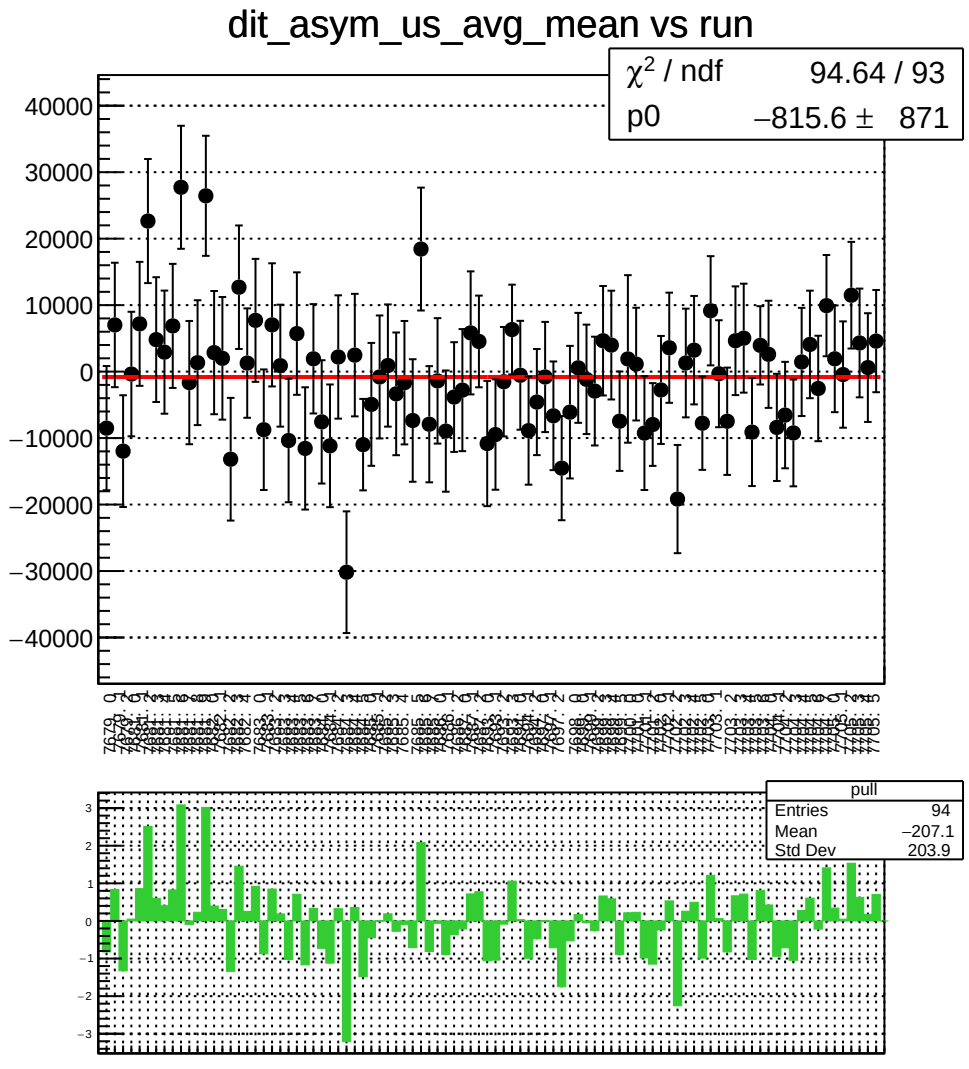
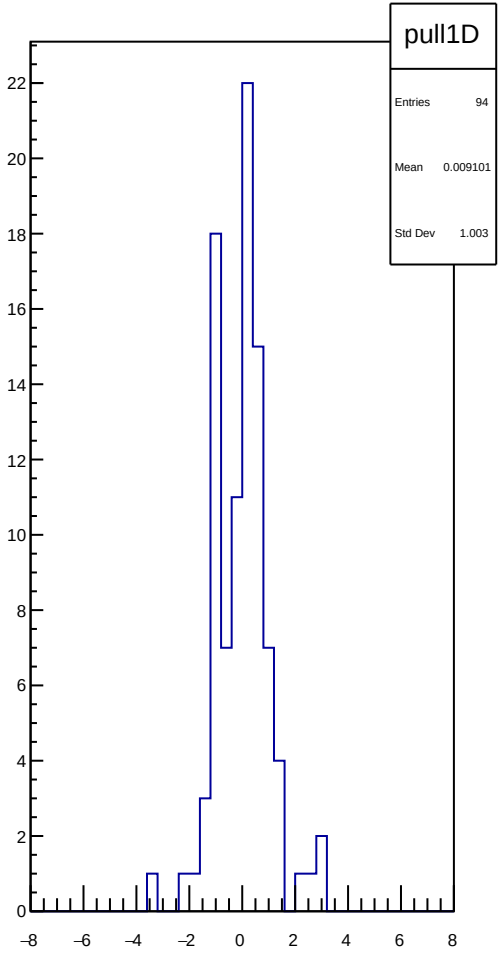
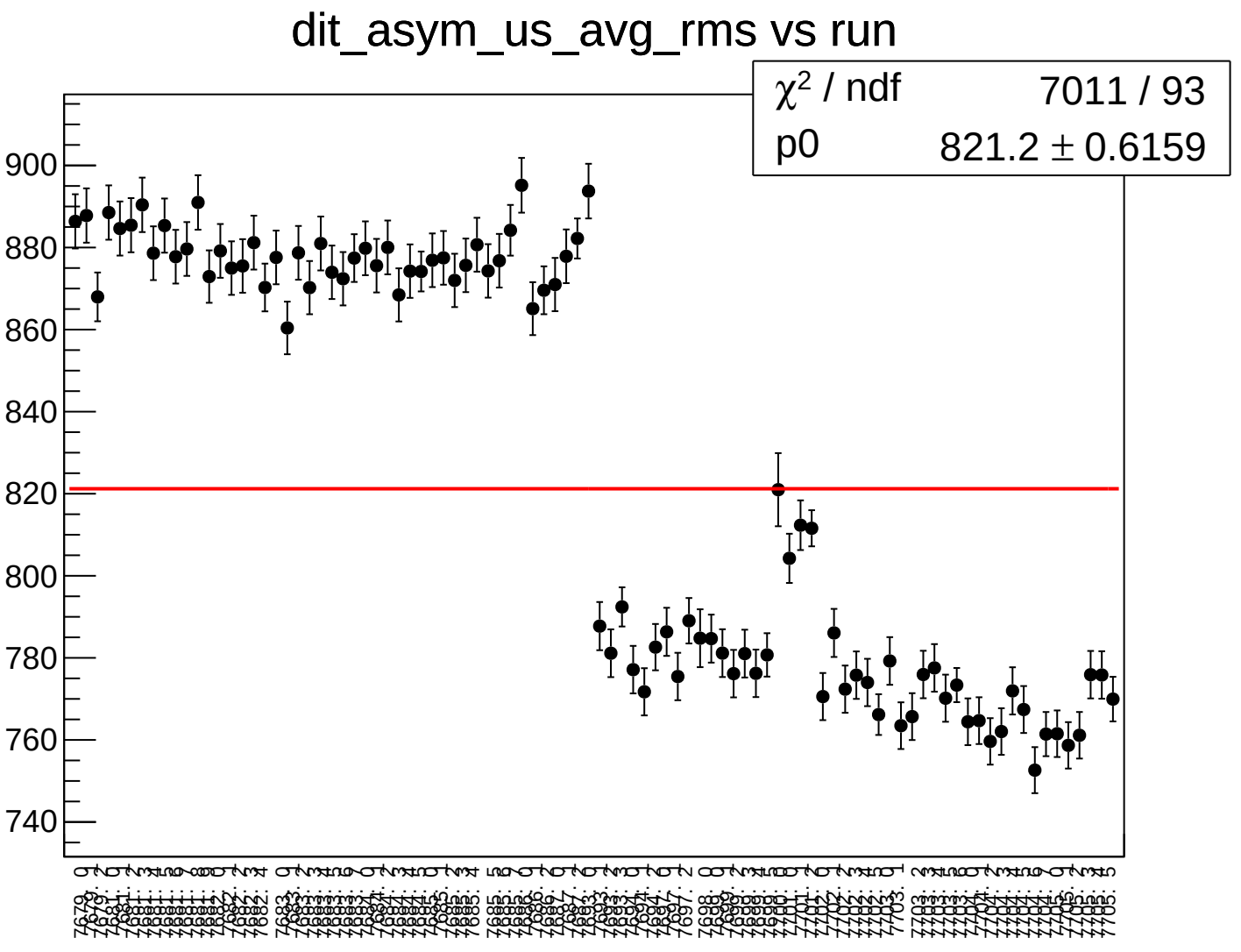
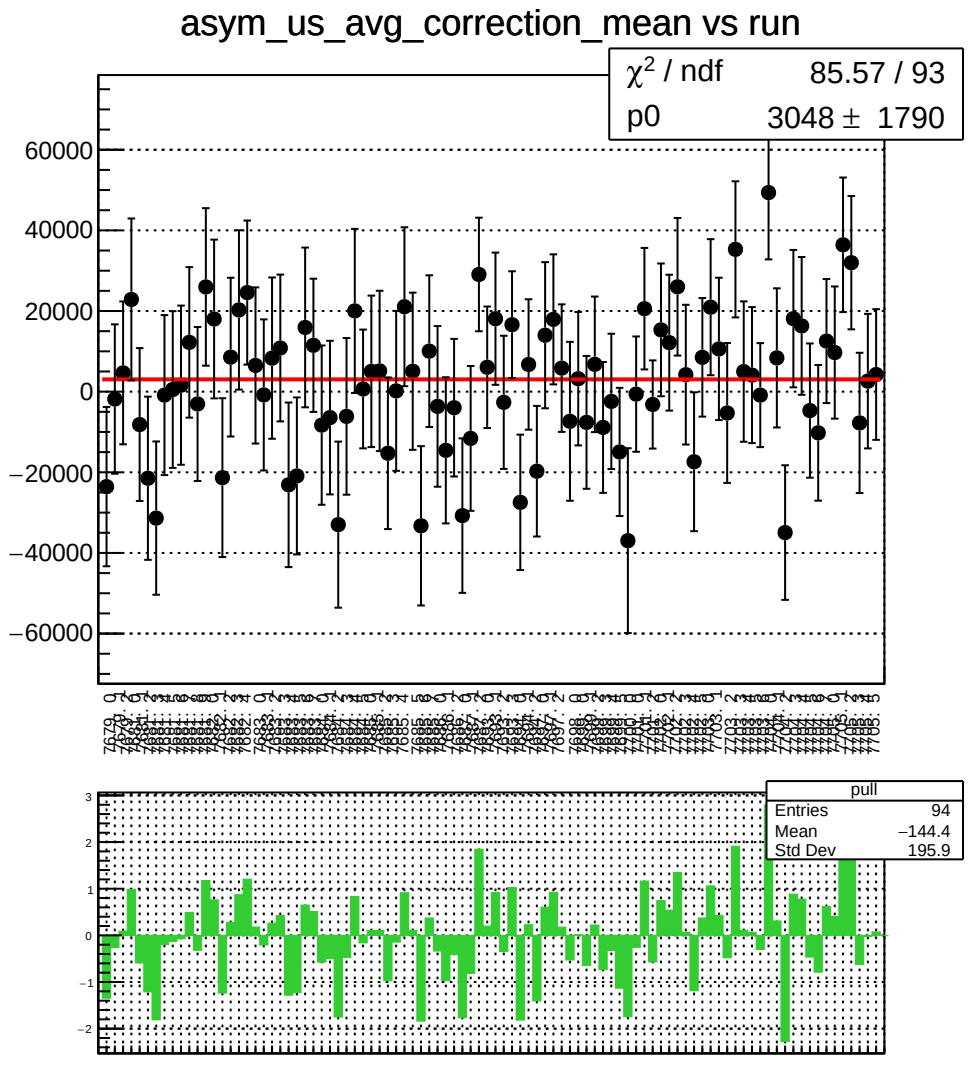
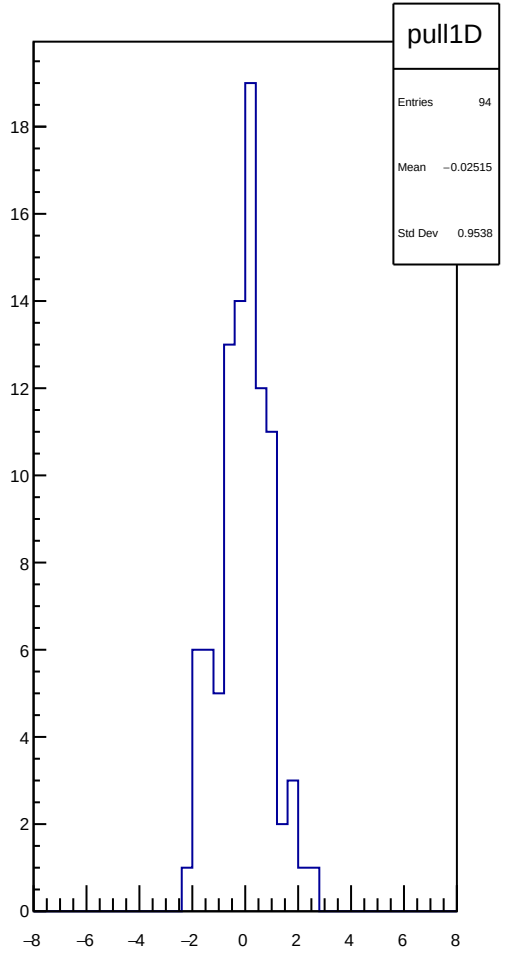
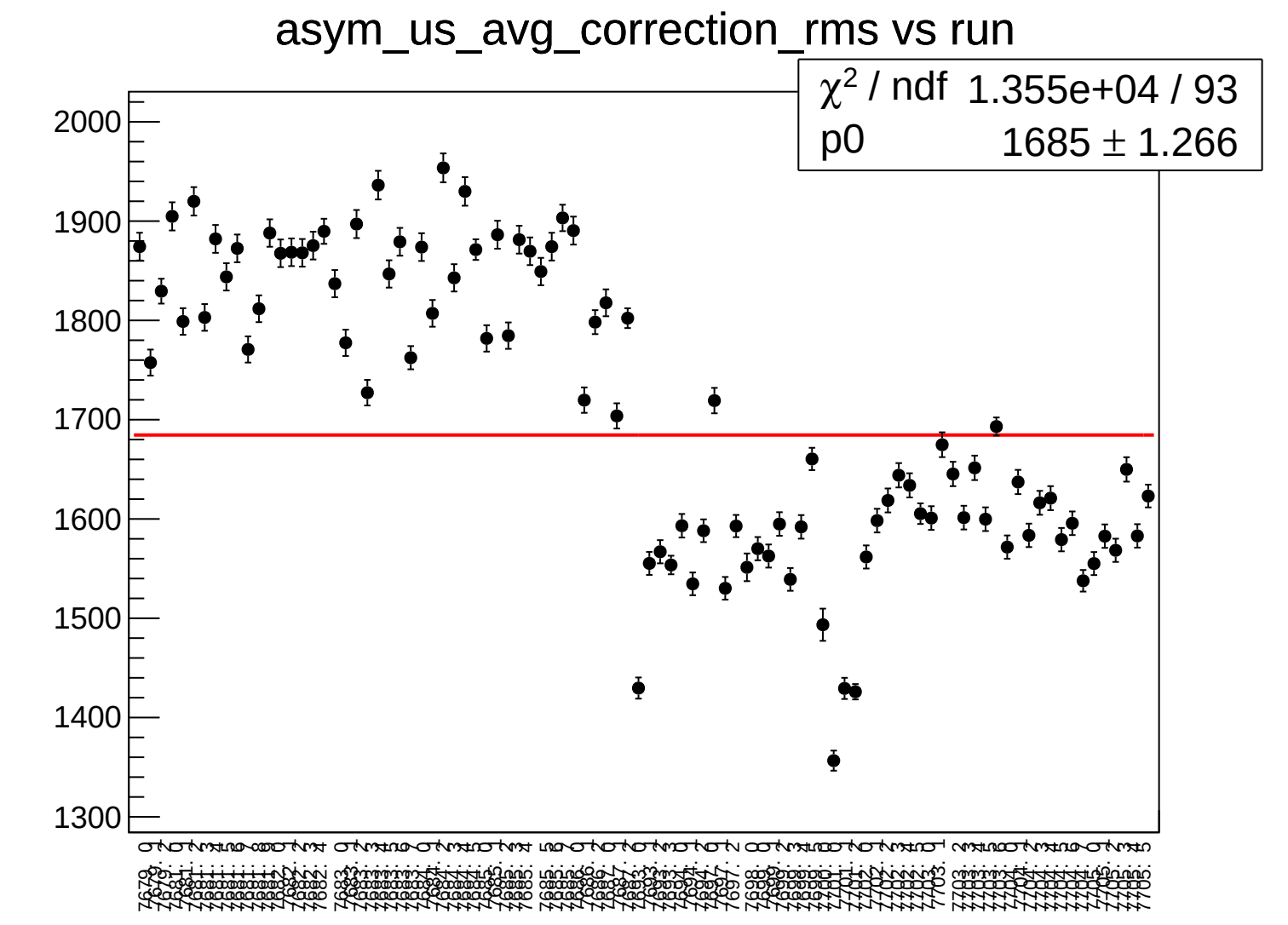

dit_asym_us_avg_mean vs run
χ² / ndf 94.64 / 93
p0 −815.6 ± 871
pull
Entries 94
Mean −207.1
Std Dev 203.9

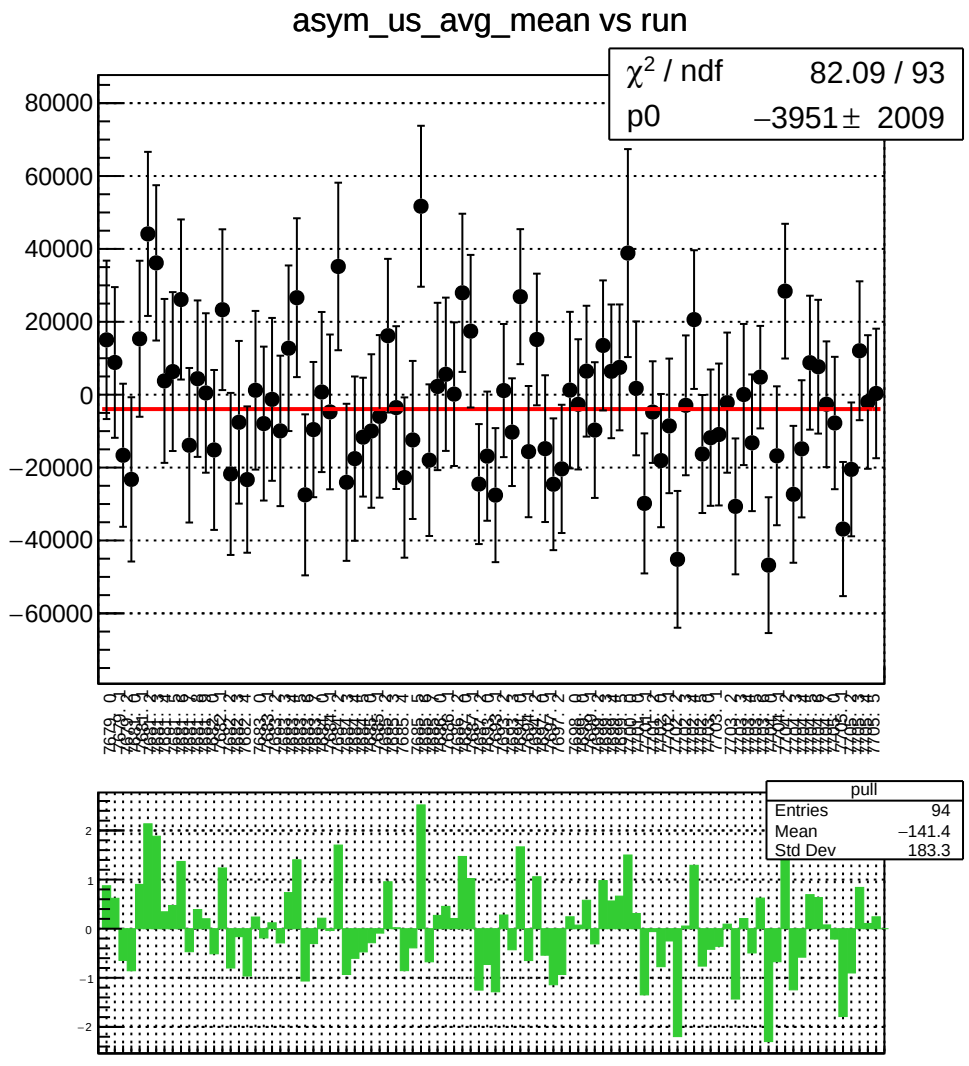

pull1D
Entries 94
Mean 0.009101
Std Dev 1.003

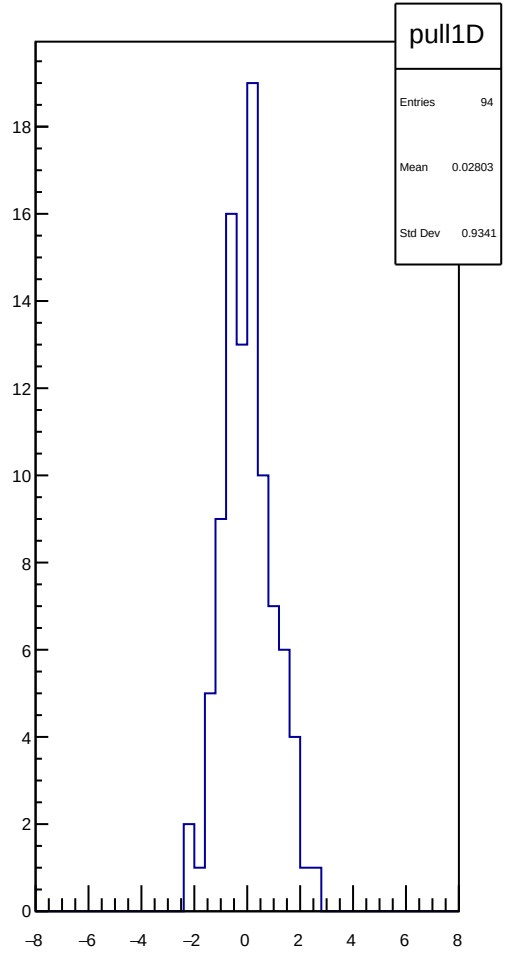

dit_asym_us_avg_rms vs run
χ^2 / ndf 7011 / 93
p0 821.2 ± 0.6159
900
880
860
840
820
800
780
760
740

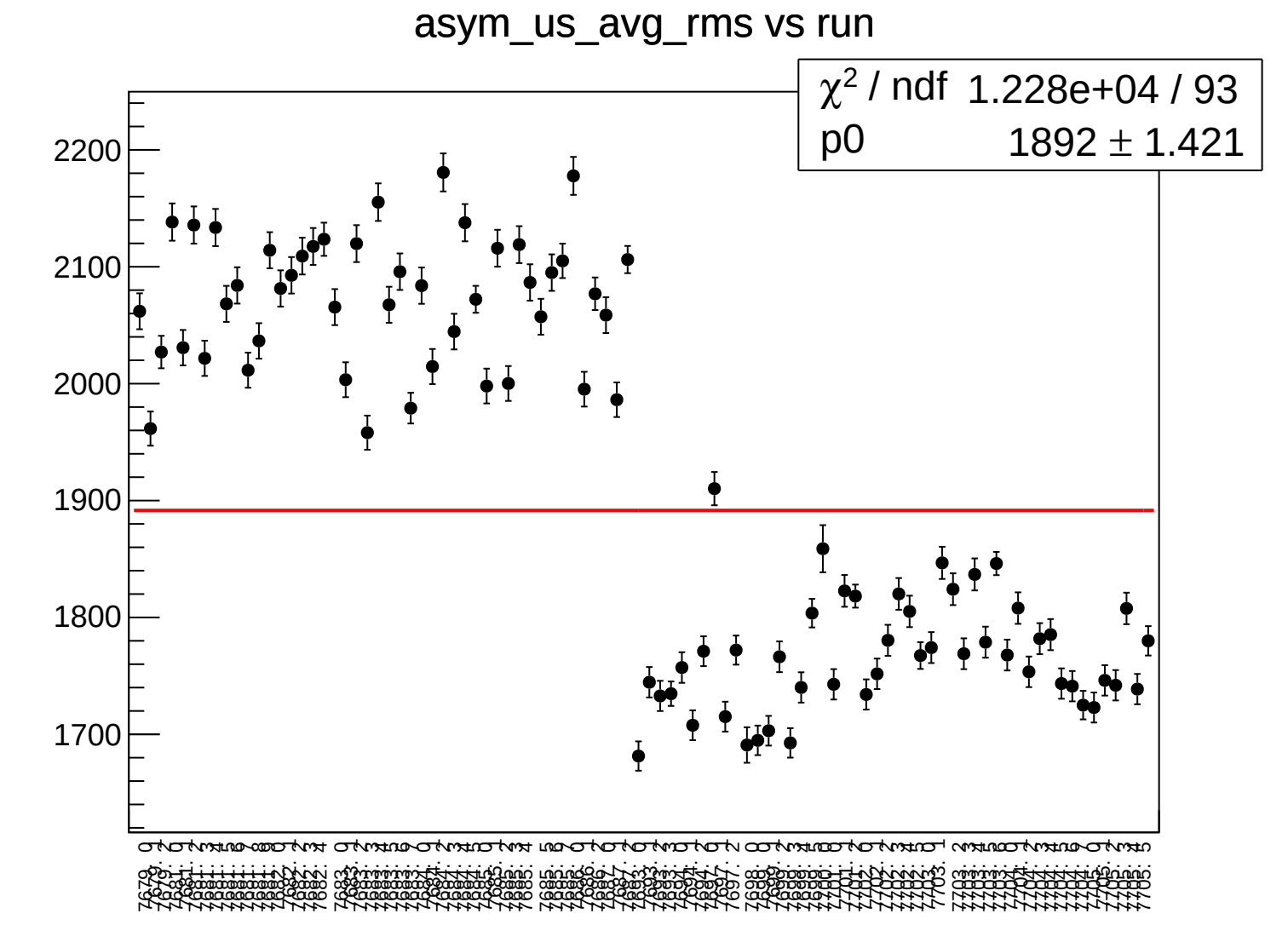

asym_us_avg_correction_mean vs run
χ² / ndf 85.57 / 93
p0 3048 ± 1790
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean −144.4
Std Dev 195.9
3
2
1
0
−1
−2

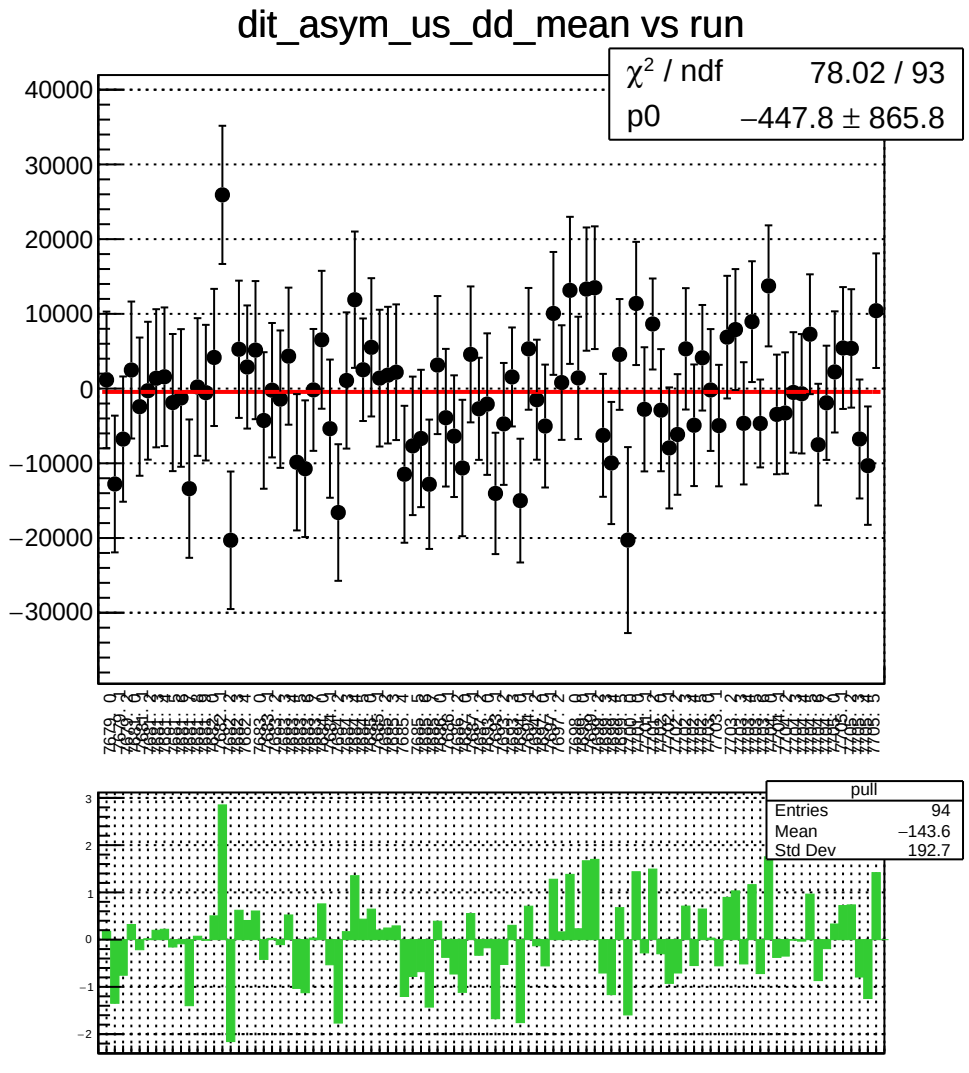

pull1D
Entries 94
Mean −0.02515
Std Dev 0.9538
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

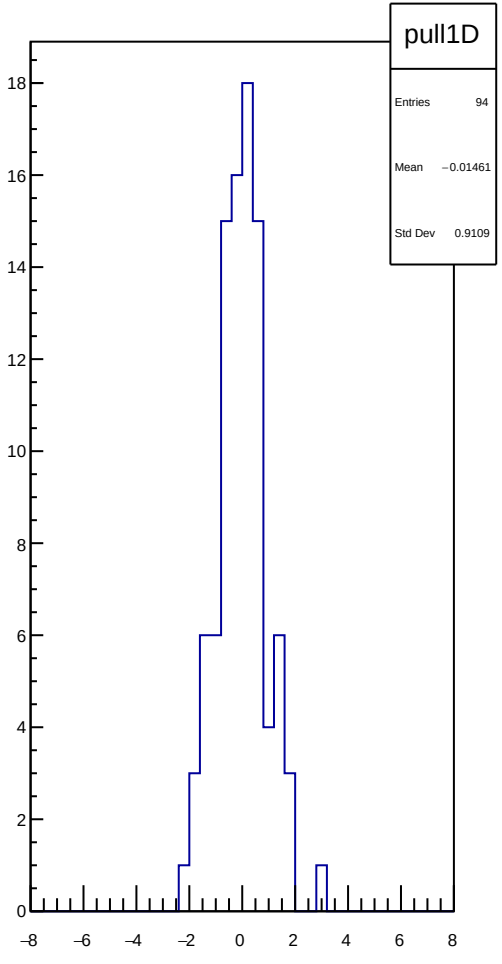

asym_us_avg_correction_rms vs run
χ² / ndf 1.355e+04 / 93
p0 1685 ± 1.266
2000
1900
1800
1700
1600
1500
1400
1300

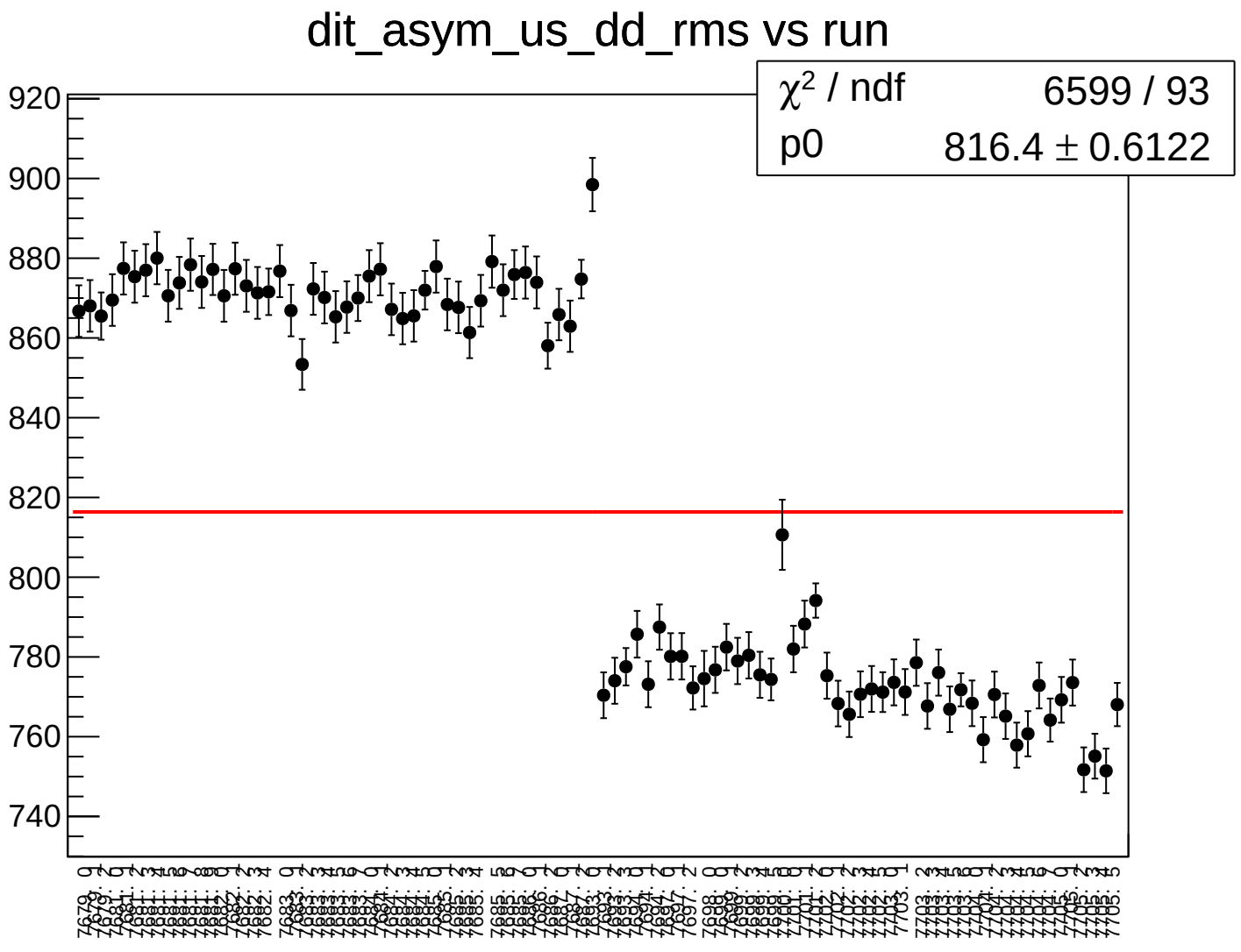

asym_us_avg_mean vs run
χ² / ndf 82.09 / 93
p0 −3951 ± 2009
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean −141.4
Std Dev 183.3
2
1
0
−1
−2

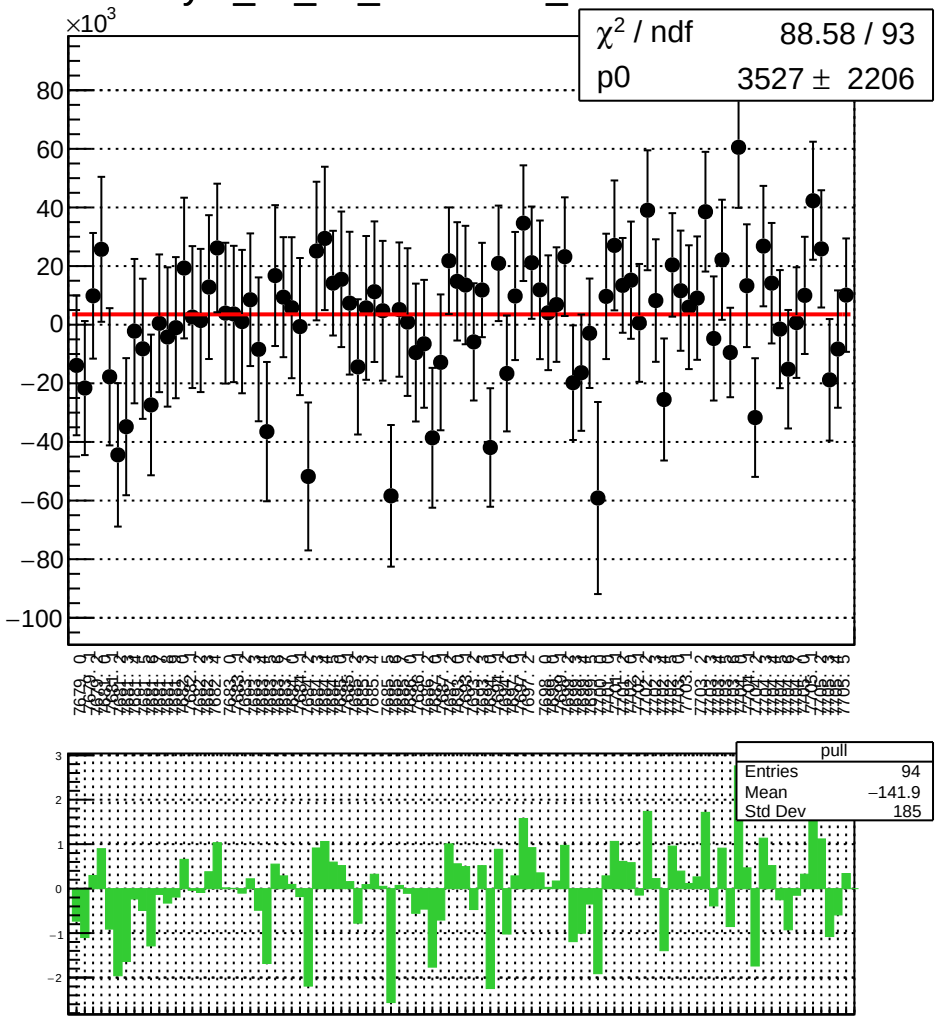

pull1D
Entries 94
Mean 0.02803
Std Dev 0.9341
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

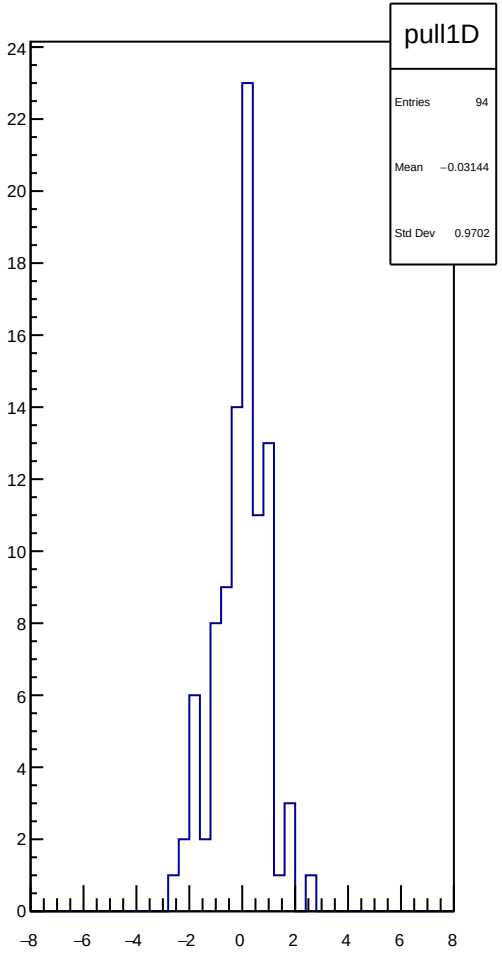

asym_us_avg_rms vs run
χ^2 / ndf 1.228e+04 / 93
p0 1892 ± 1.421
2200
2100
2000
1900
1800
1700

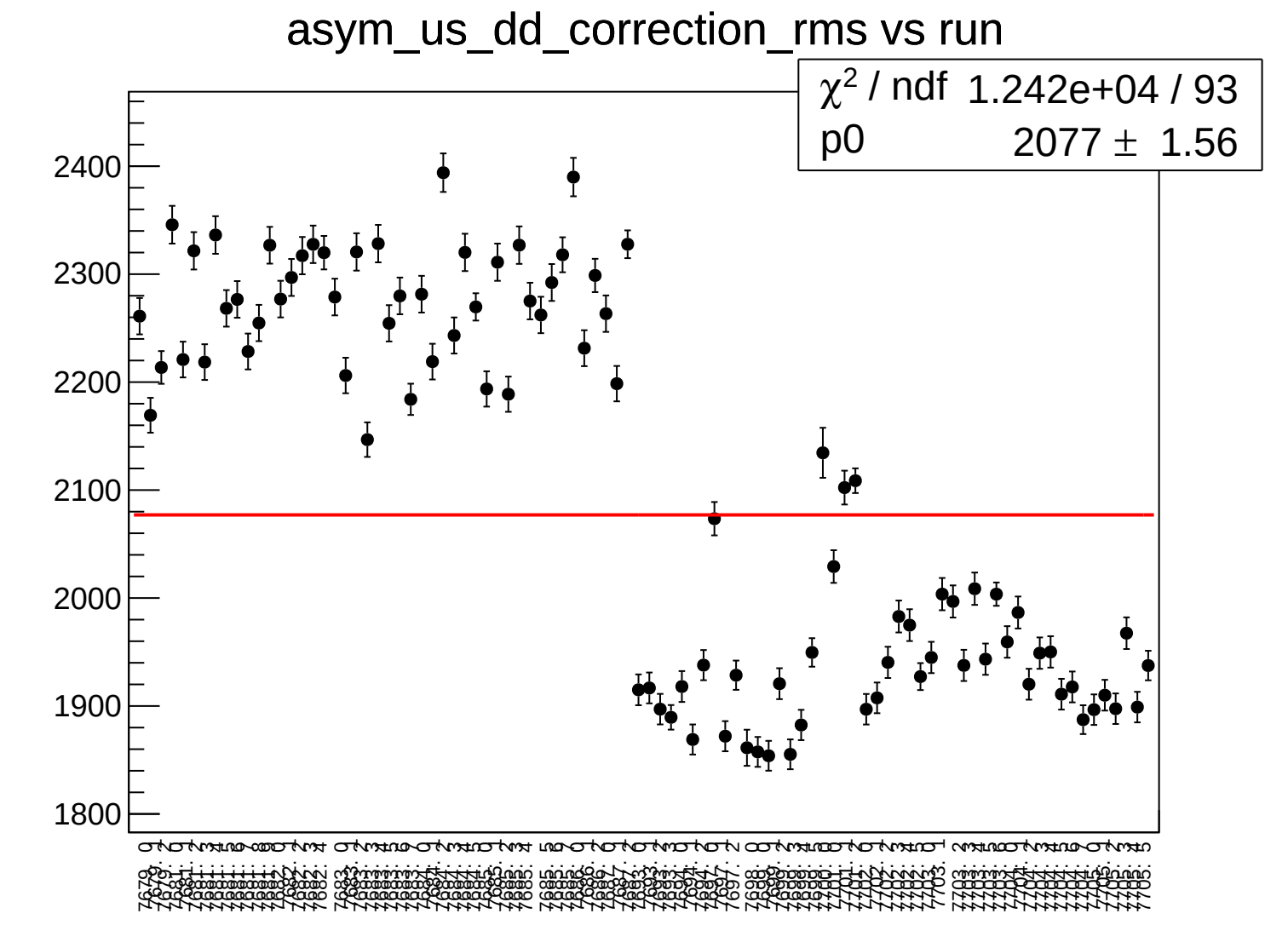

dit_asym_us_dd_mean vs run
χ² / ndf 78.02 / 93
p0 −447.8 ± 865.8
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean −143.6
Std Dev 192.7
3
2
1
0
−1
−2

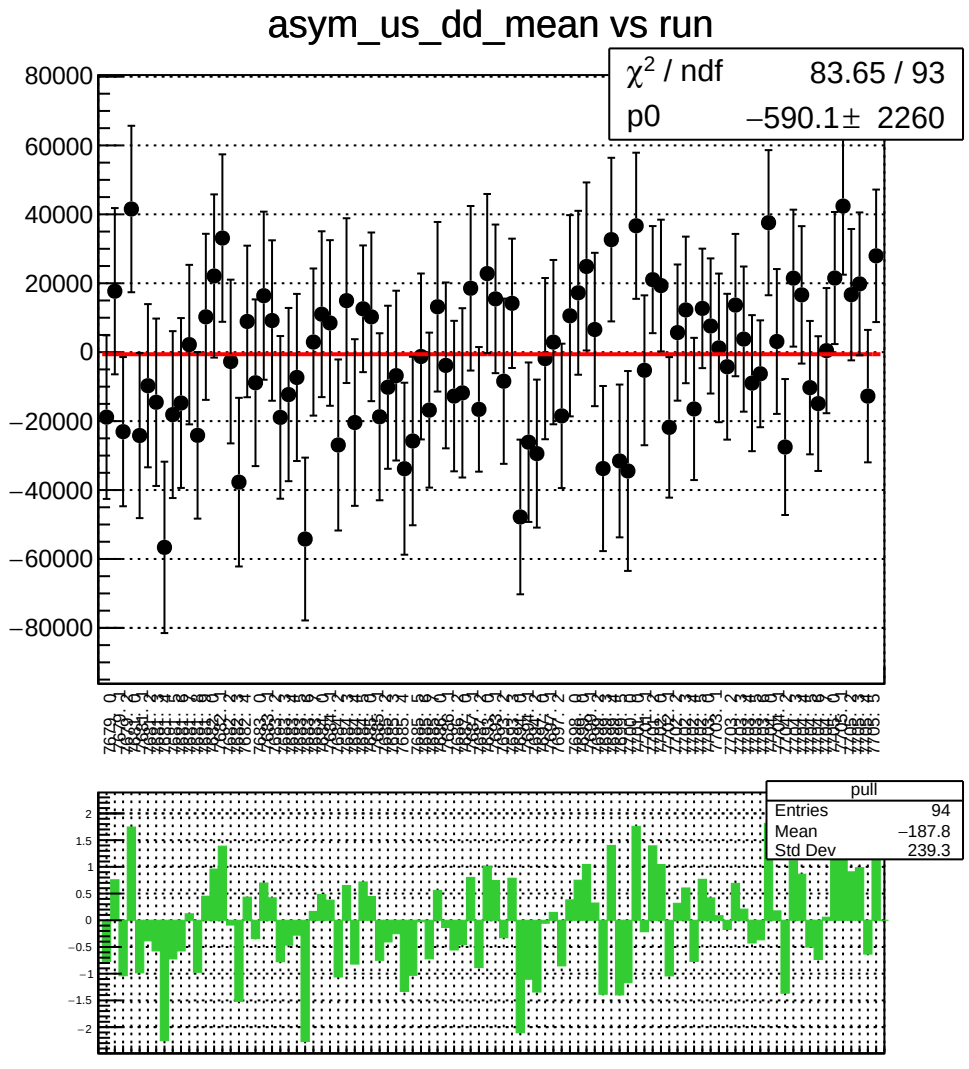

pull1D
Entries 94
Mean −0.01461
Std Dev 0.9109
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

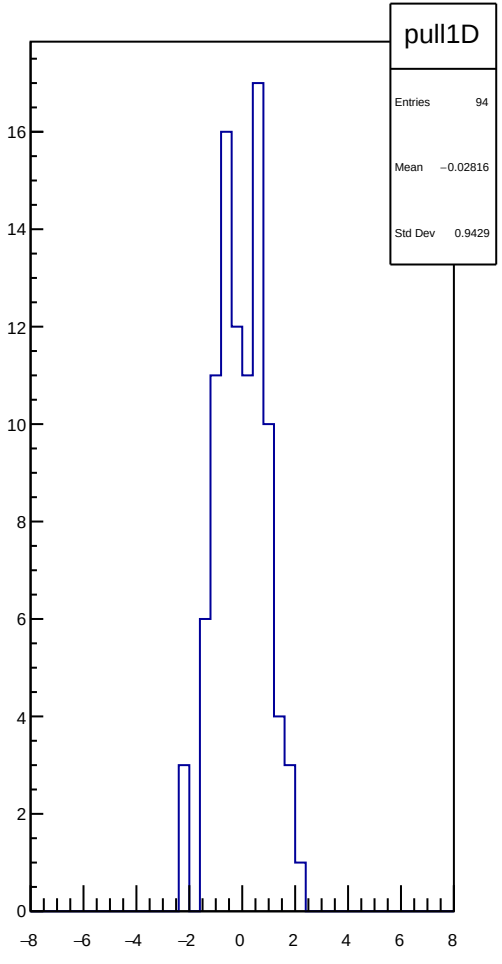

dit_asym_us_dd_rms vs run
χ² / ndf 6599 / 93
p0 816.4 ± 0.6122
920
900
880
860
840
820
800
780
760
740

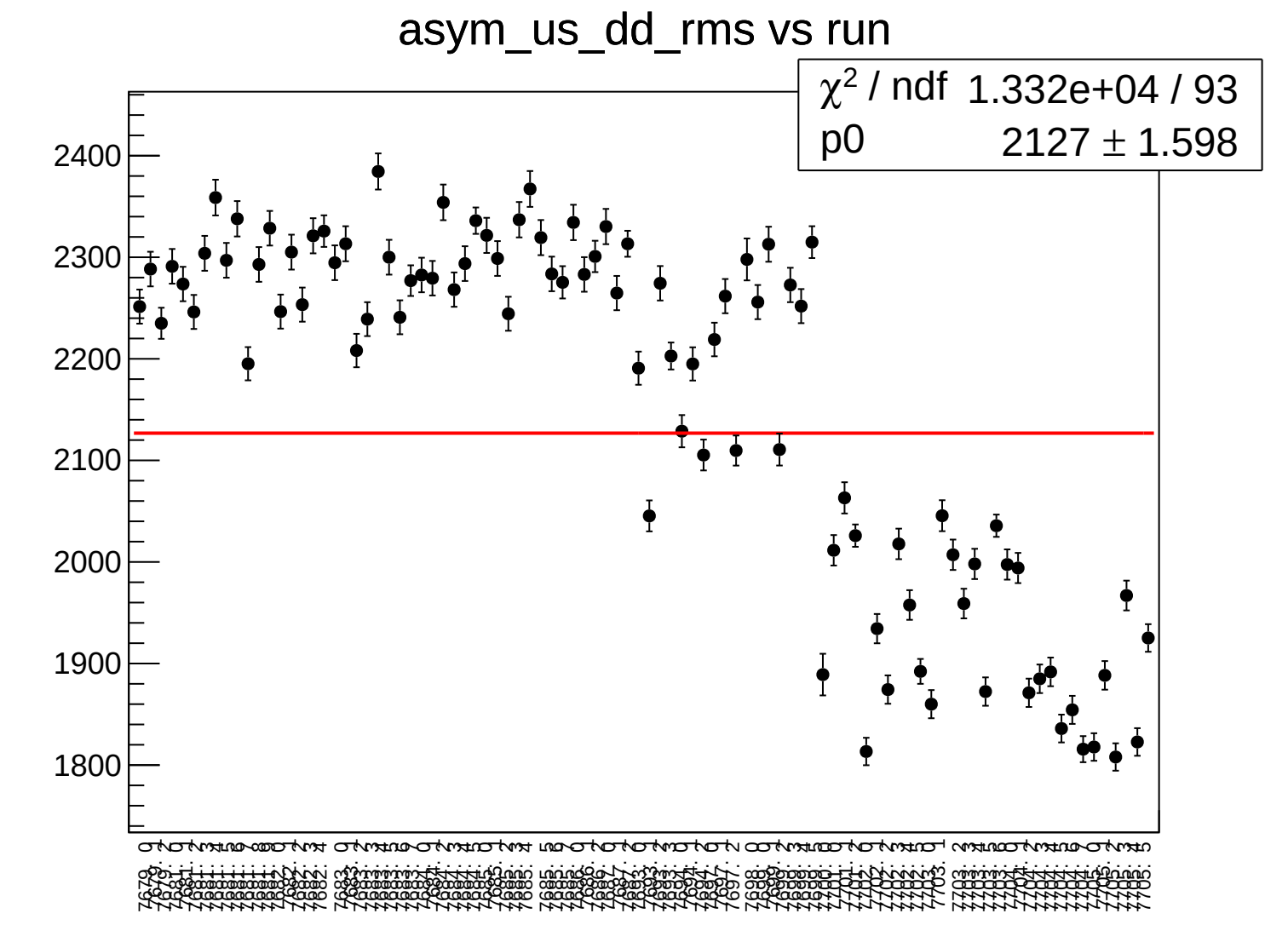

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 88.58 / 93
p0 3527 ± 2206
pull
Entries 94
Mean −141.9
Std Dev 185

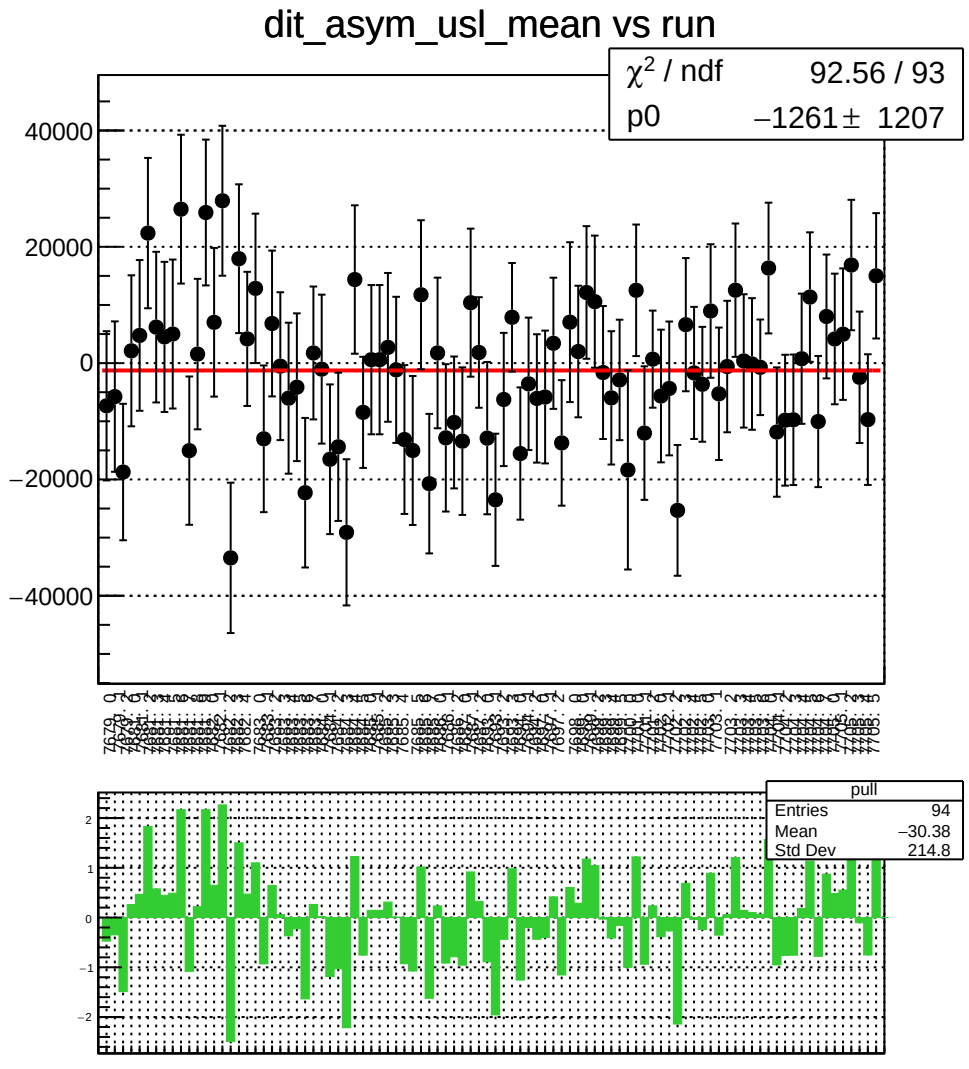

pull1D
Entries 94
Mean −0.03144
Std Dev 0.9702

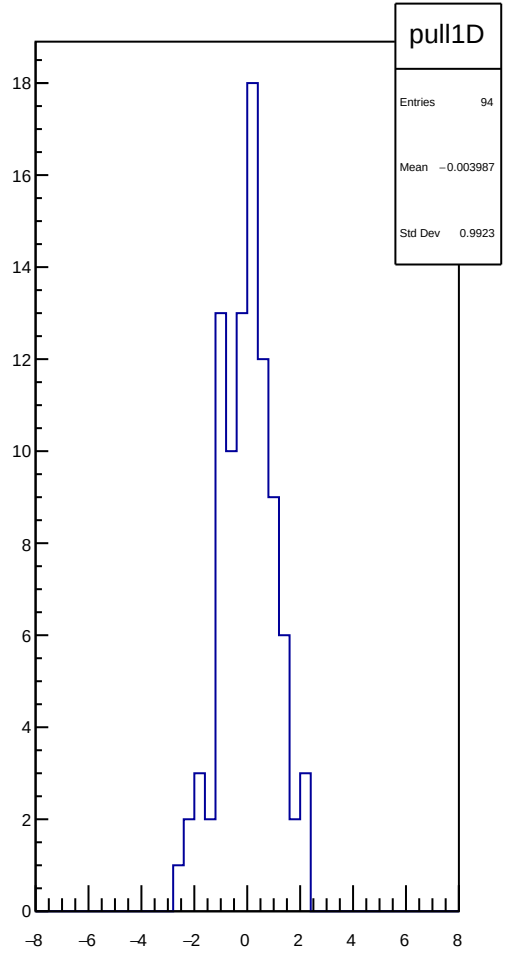

asym_us_dd_correction_rms vs run
χ² / ndf 1.242e+04 / 93
p0 2077 ± 1.56
2400
2300
2200
2100
2000
1900
1800

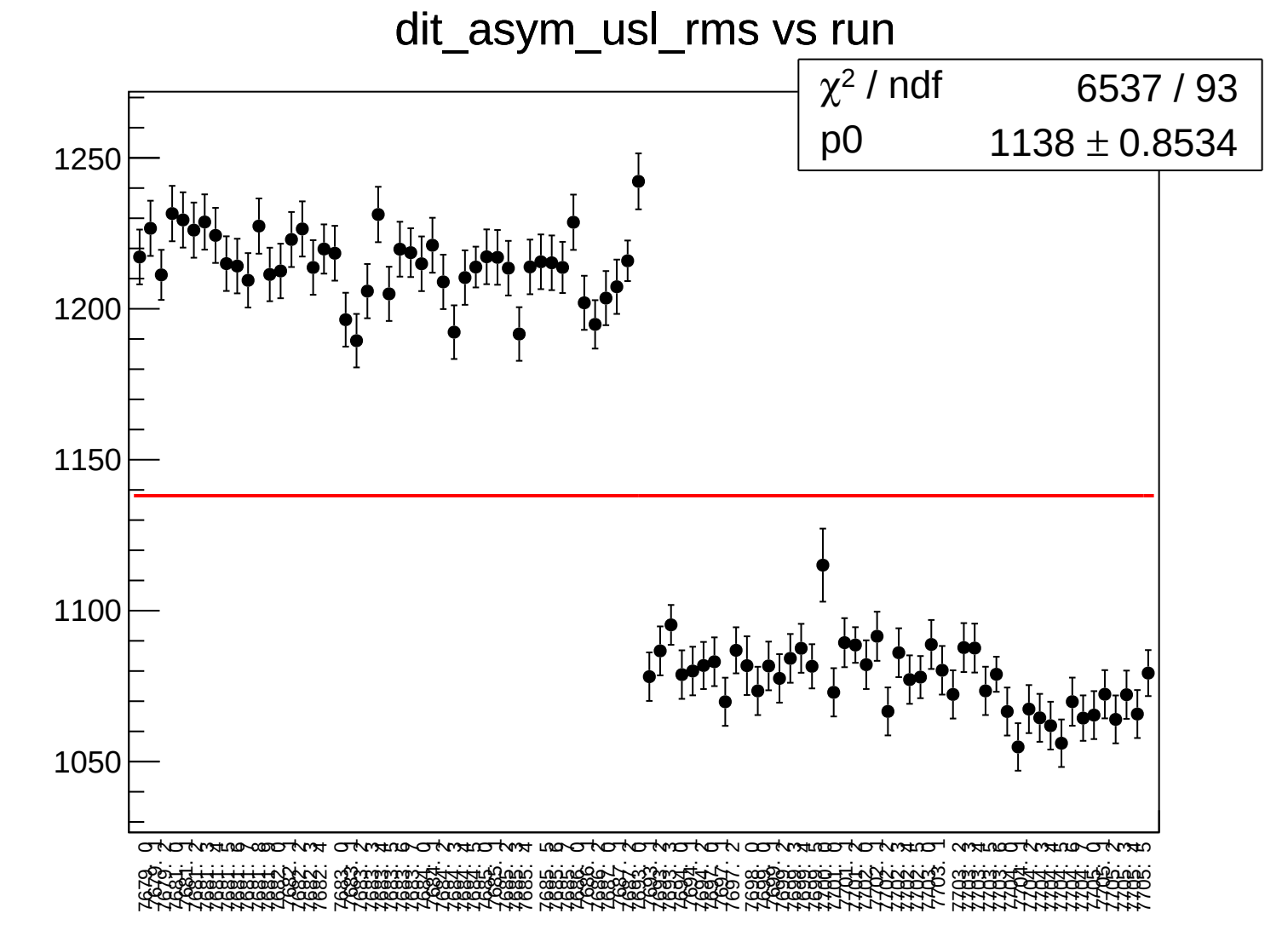

asym_us_dd_mean vs run
χ^2 / ndf 83.65 / 93
p0 −590.1± 2260
pull
Entries 94
Mean −187.8
Std Dev 239.3

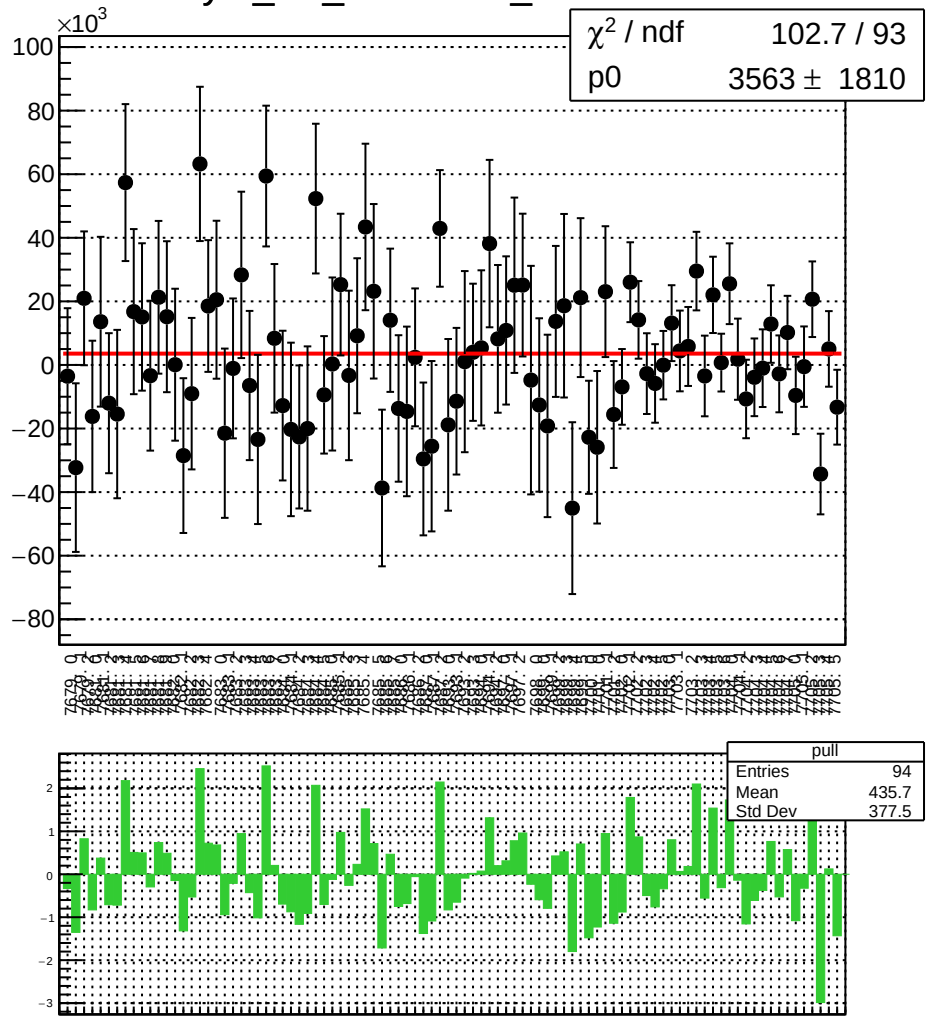

pull1D
Entries 94
Mean −0.02816
Std Dev 0.9429

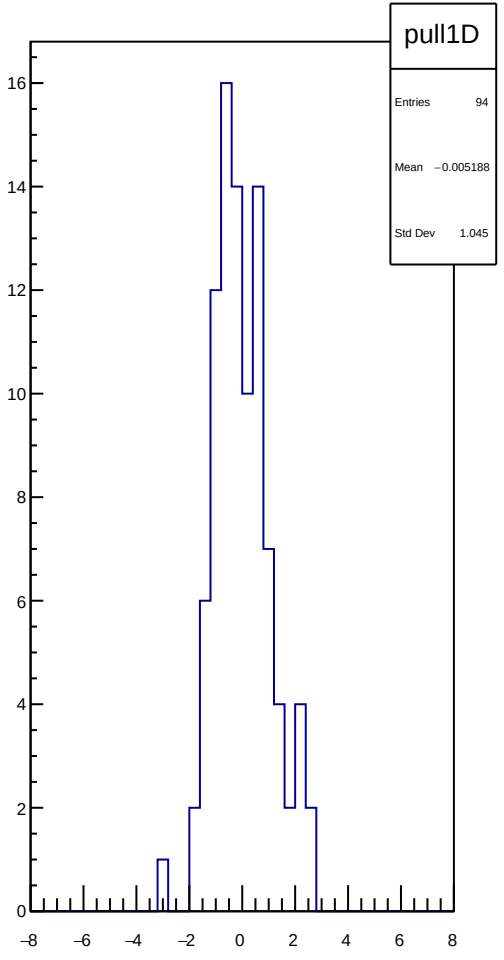

asym_us_dd_rms vs run
χ^2 / ndf 1.332e+04 / 93
p0 2127 ± 1.598
2400
2300
2200
2100
2000
1900
1800

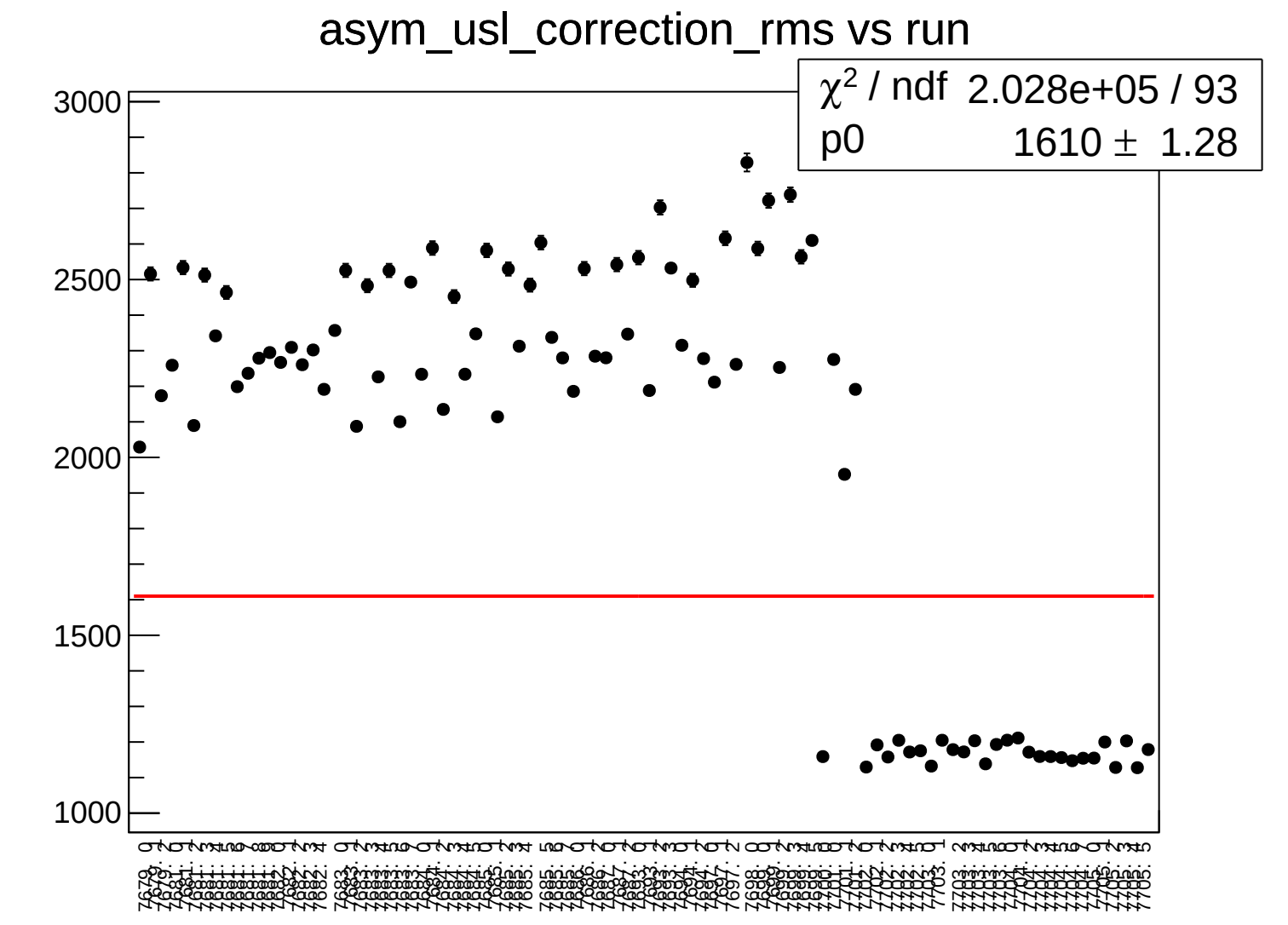

dit_asym_usl_mean vs run
χ² / ndf 92.56 / 93
p0 −1261 ± 1207
40000
20000
0
−20000
−40000
pull
Entries 94
Mean −30.38
Std Dev 214.8
2
1
0
−1
−2

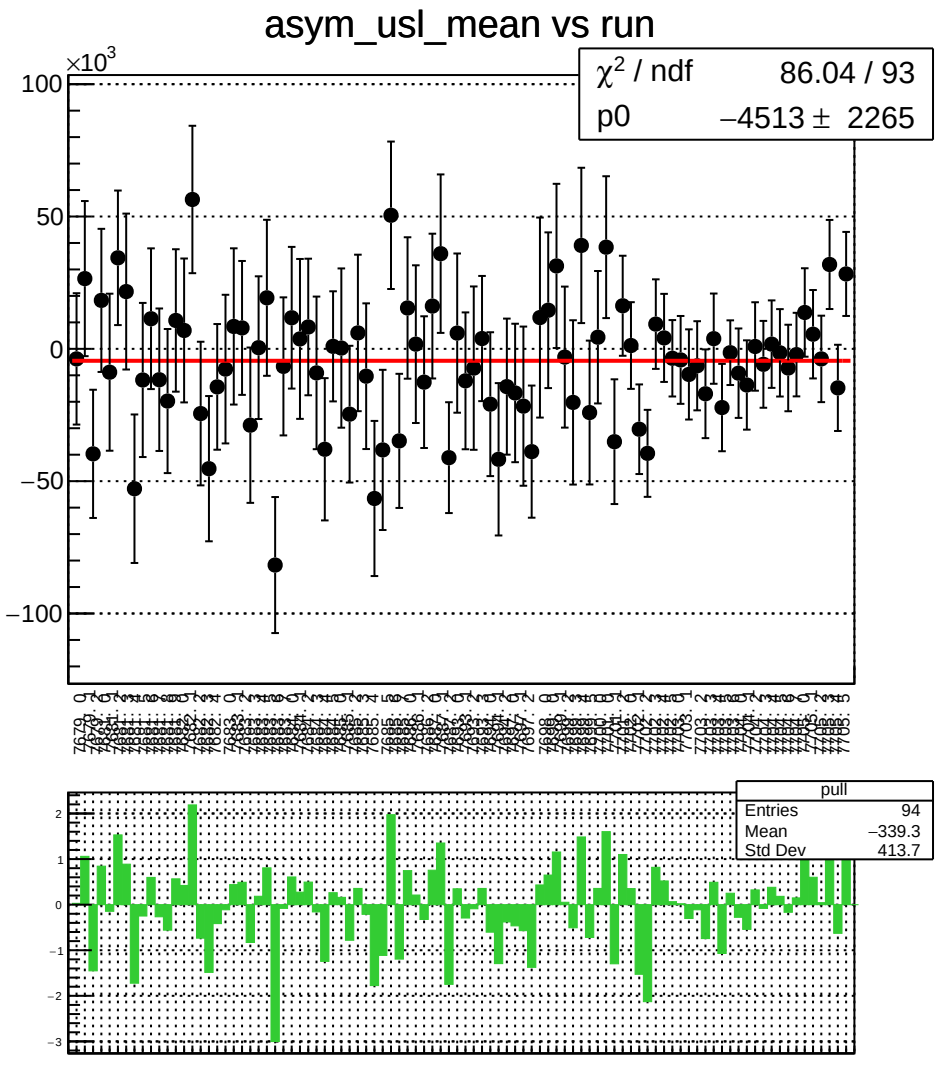

pull1D
Entries 94
Mean −0.003987
Std Dev 0.9923
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

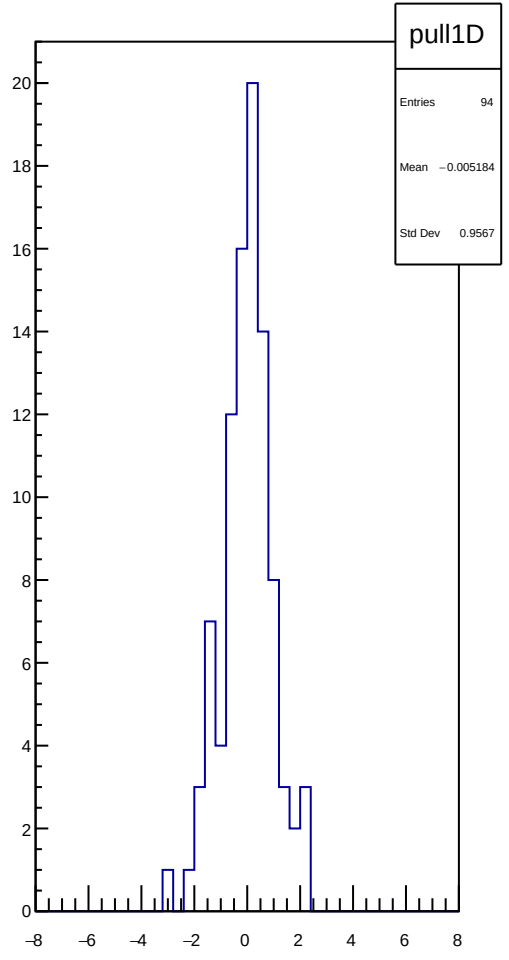

dit_asym_usl_rms vs run
χ² / ndf 6537 / 93
p0 1138 ± 0.8534
1250
1200
1150
1100
1050

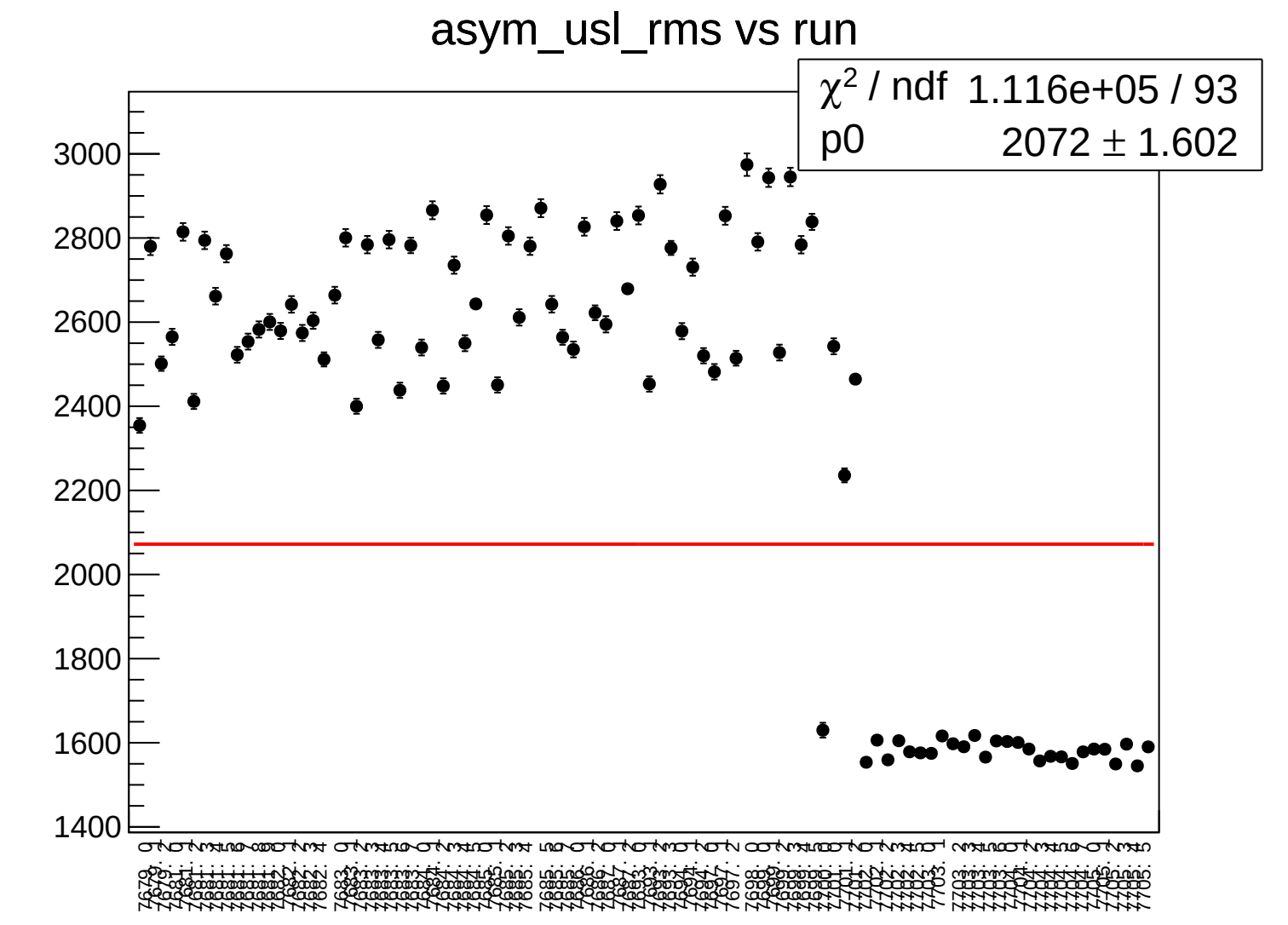

asym_usl_correction_mean vs run
×10^3
χ² / ndf 102.7 / 93
p0 3563 ± 1810
pull
Entries 94
Mean 435.7
Std Dev 377.5

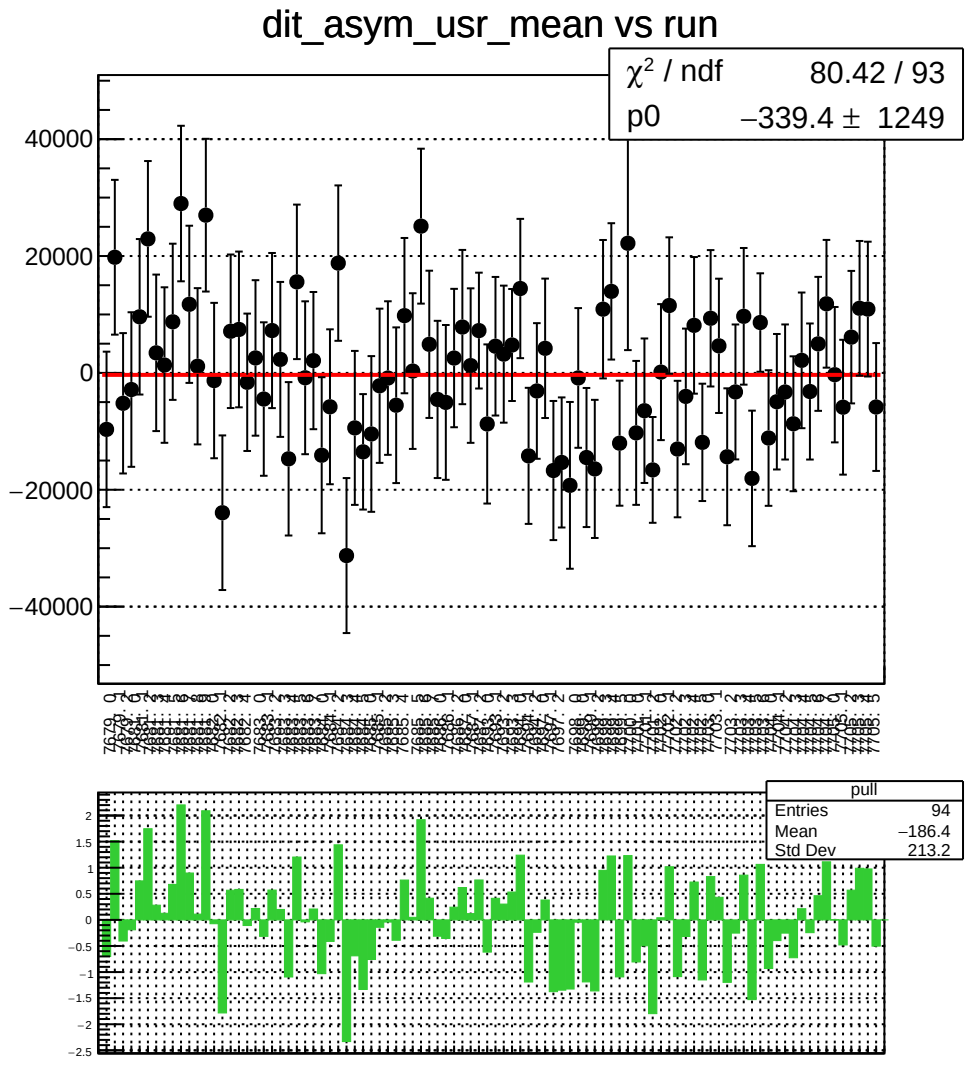

pull1D
Entries 94
Mean −0.005188
Std Dev 1.045

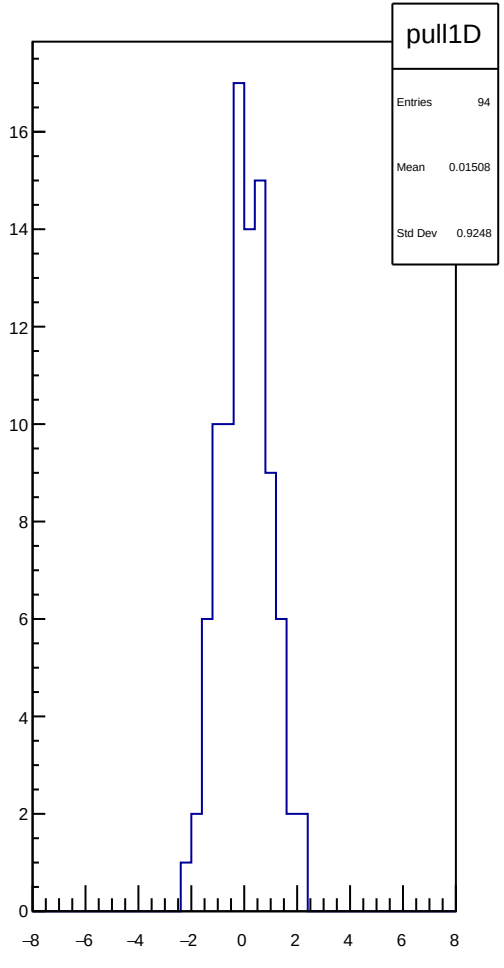

asym_usl_correction_rms vs run
χ² / ndf 2.028e+05 / 93
p0 1610 ± 1.28
3000
2500
2000
1500
1000

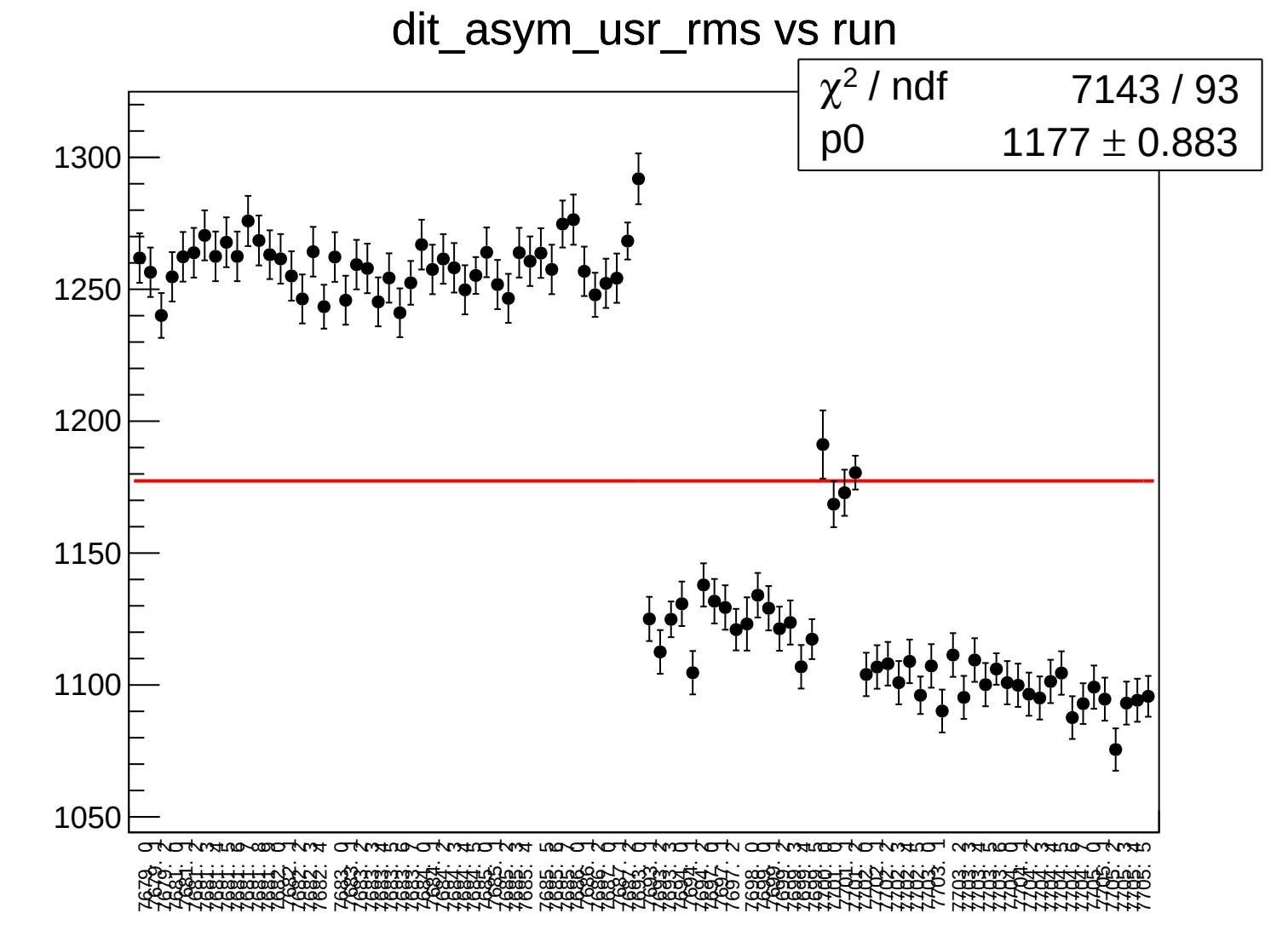

asym_usl_mean vs run
×10^3
χ² / ndf 86.04 / 93
p0 −4513 ± 2265
pull
Entries 94
Mean −339.3
Std Dev 413.7

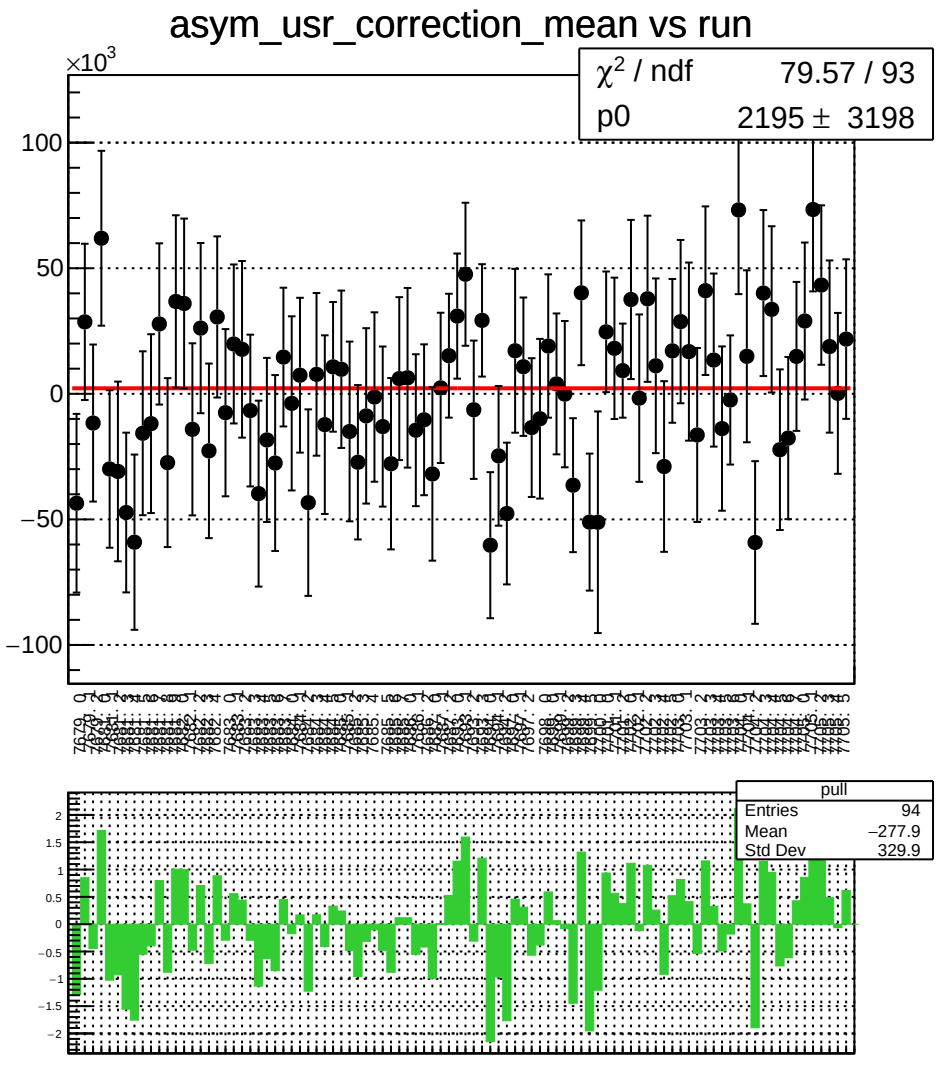

pull1D
Entries 94
Mean −0.005184
Std Dev 0.9567

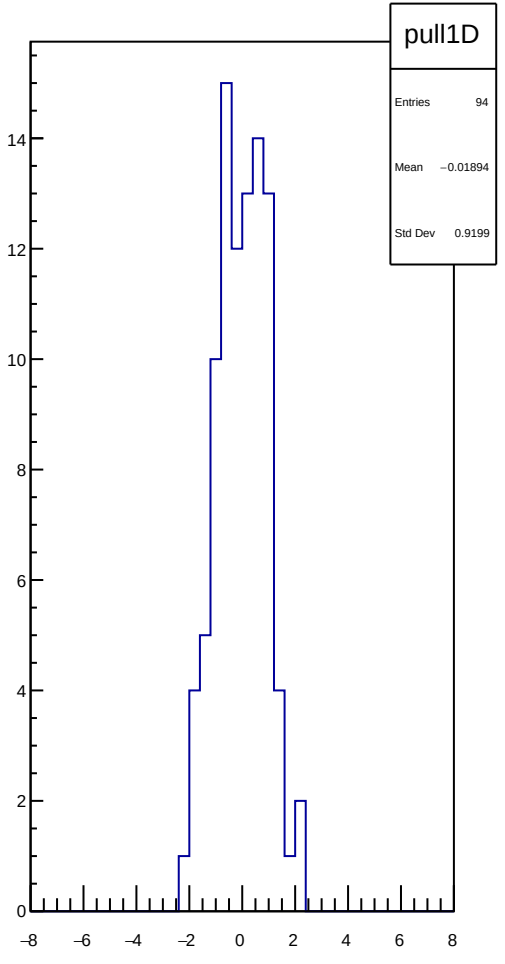

asym_usl_rms vs run
χ^2 / ndf 1.116e+05 / 93
p0 2072 ± 1.602
3000
2800
2600
2400
2200
2000
1800
1600
1400

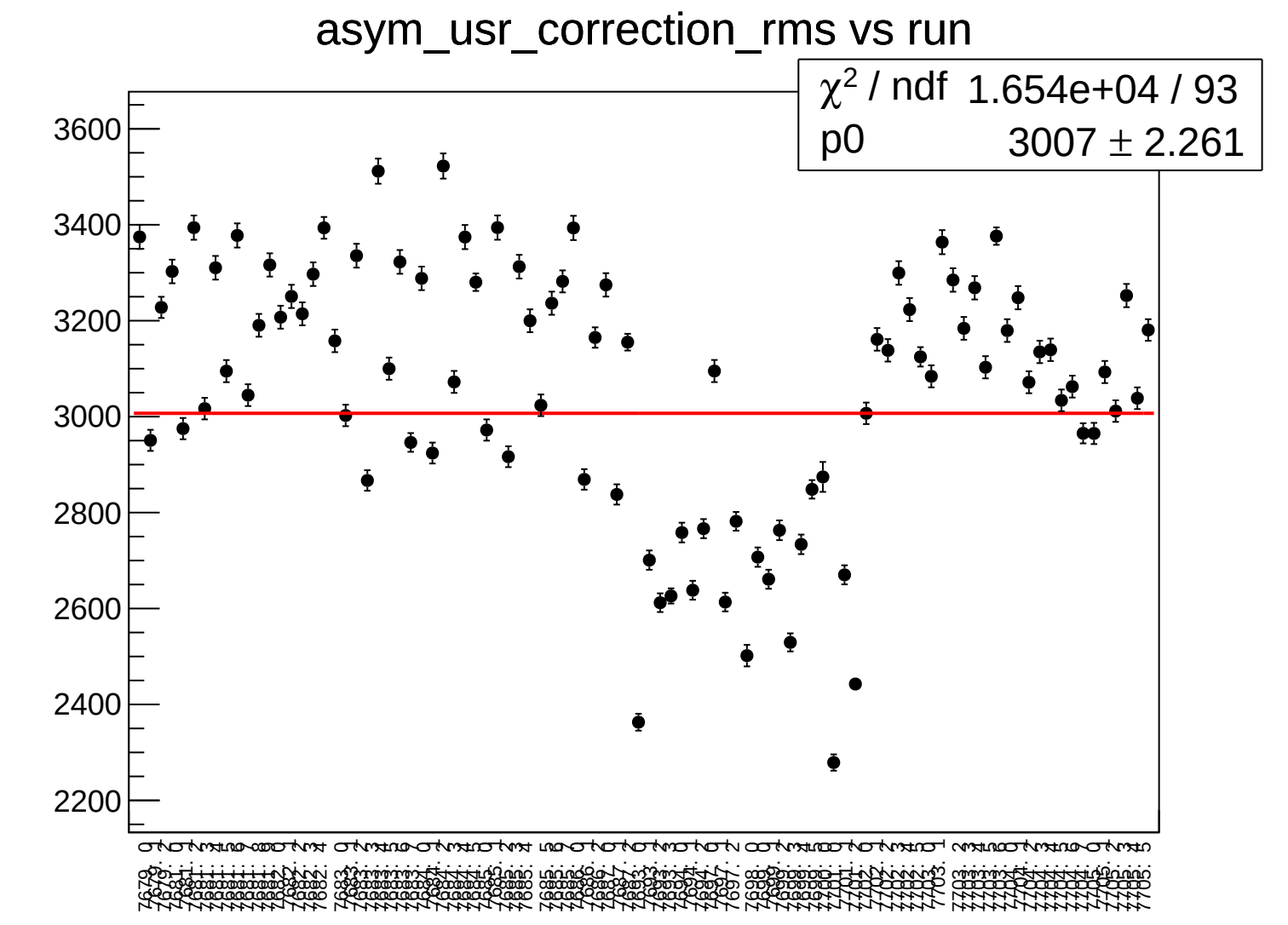

dit_asym_usr_mean vs run
χ² / ndf 80.42 / 93
p0 −339.4 ± 1249
40000
20000
0
−20000
−40000
pull
Entries 94
Mean −186.4
Std Dev 213.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

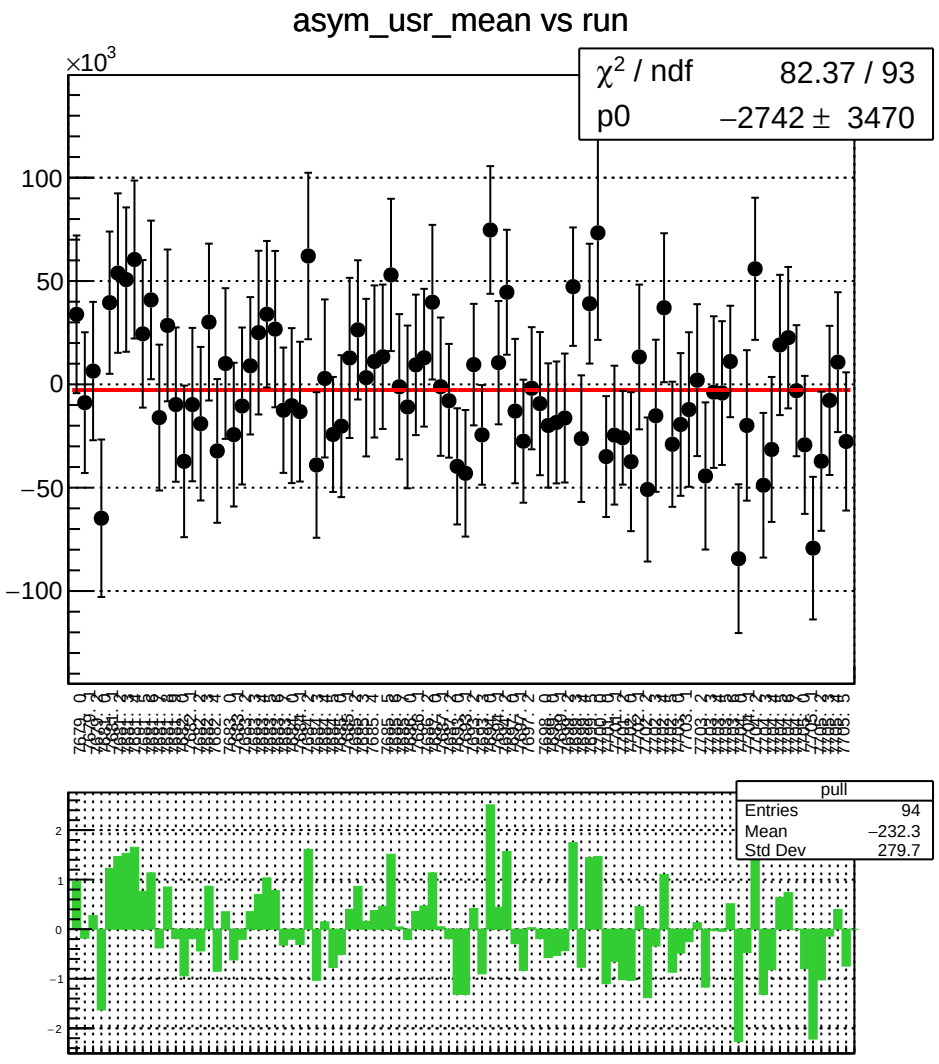

pull1D
Entries 94
Mean 0.01508
Std Dev 0.9248
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

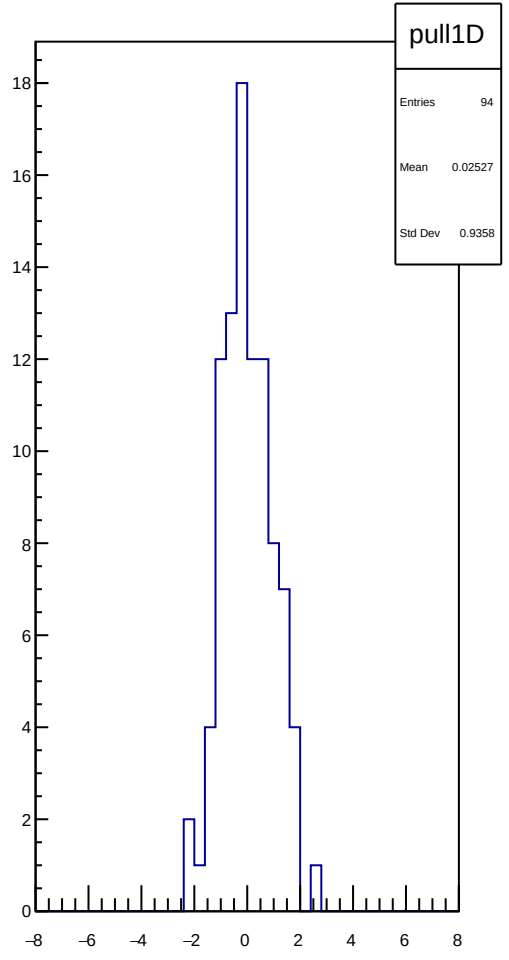

dit_asym_usr_rms vs run
χ^2 / ndf 7143 / 93
p0 1177 ± 0.883
1300
1250
1200
1150
1100
1050

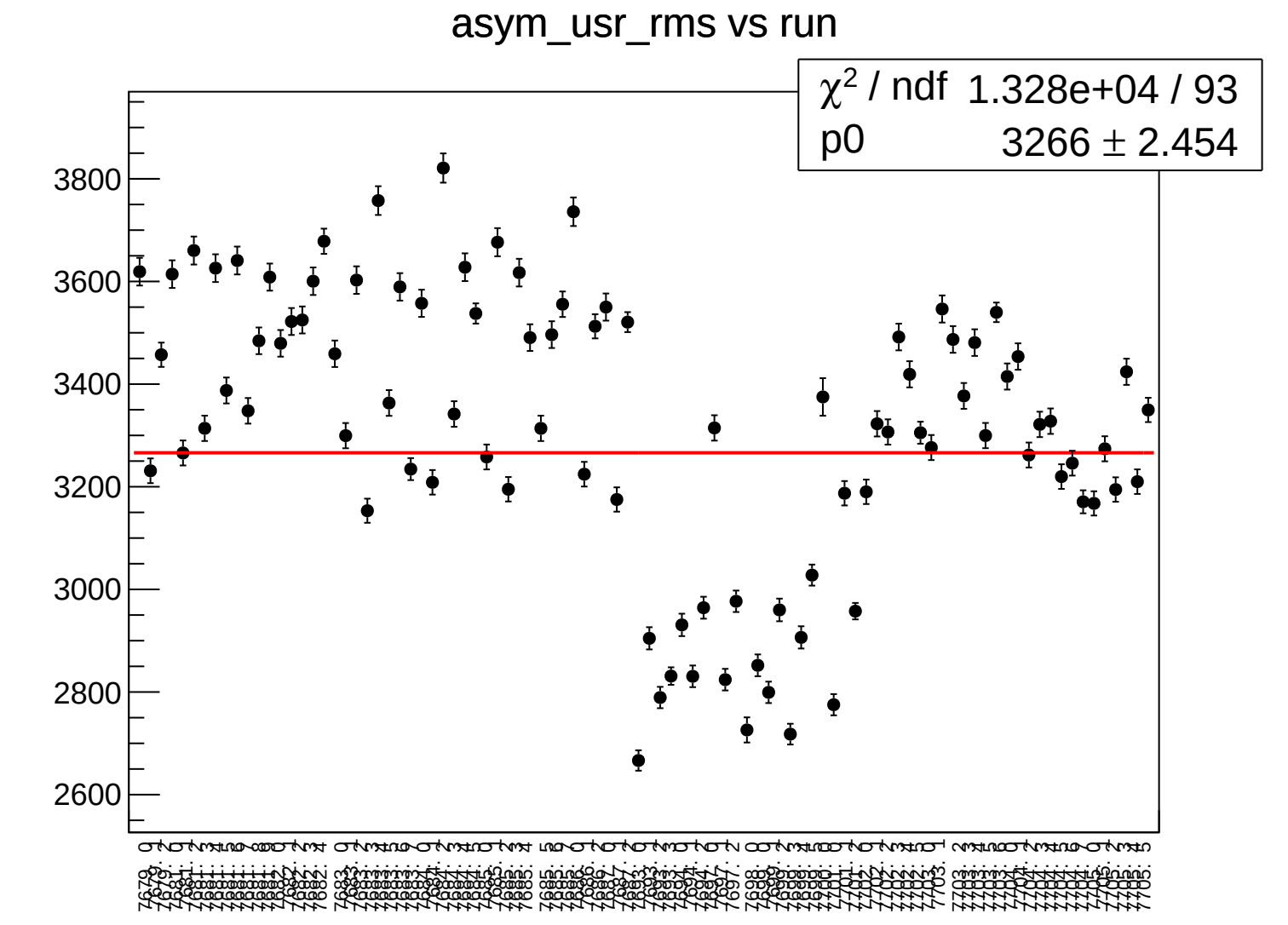

asym_usr_correction_mean vs run
×10^3
χ² / ndf 79.57 / 93
p0 2195 ± 3198
100
50
0
−50
−100
pull
Entries 94
Mean −277.9
Std Dev 329.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

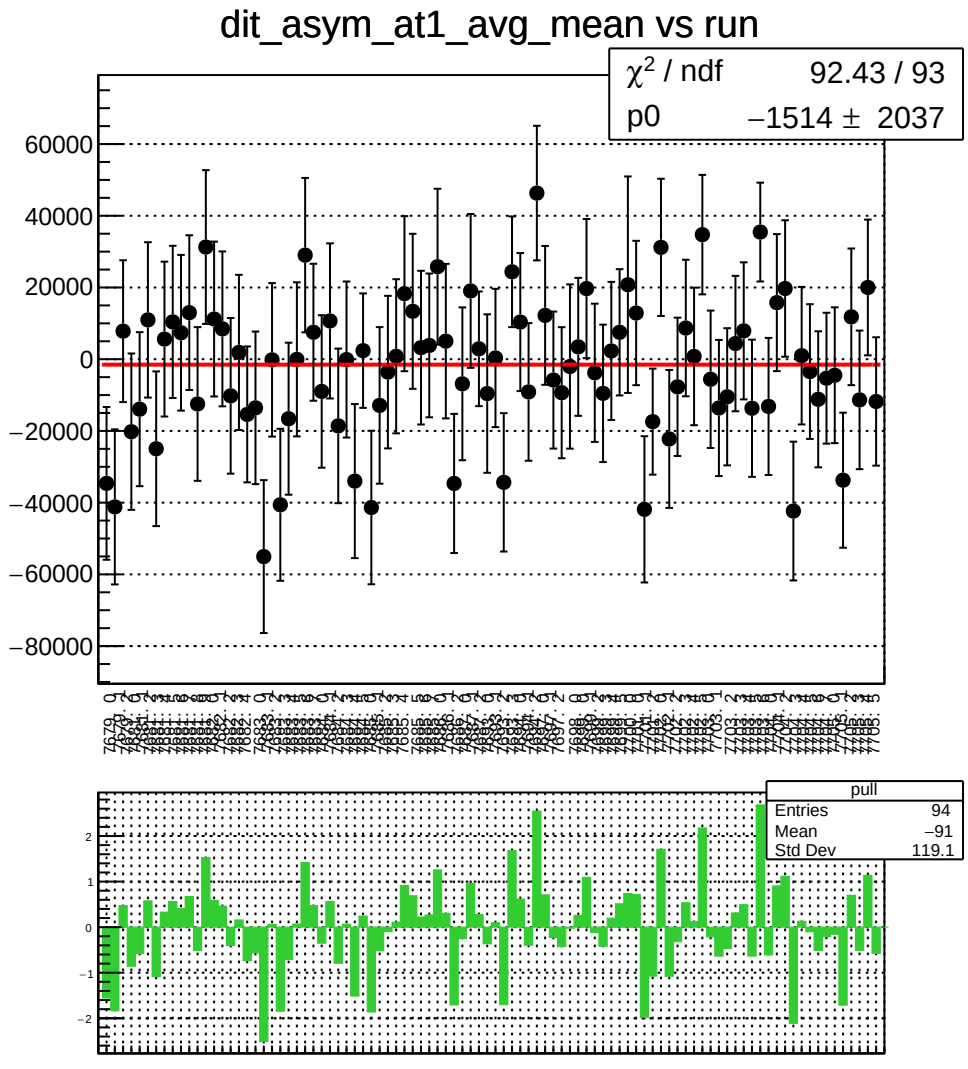

pull1D
Entries 94
Mean −0.01894
Std Dev 0.9199
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

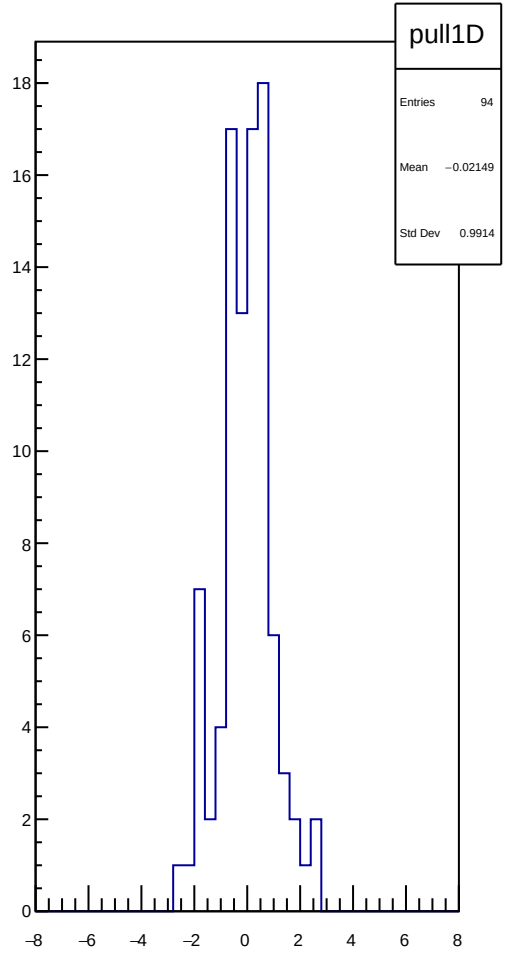

asym_usr_correction_rms vs run
χ² / ndf 1.654e+04 / 93
p0 3007 ± 2.261
3600
3400
3200
3000
2800
2600
2400
2200

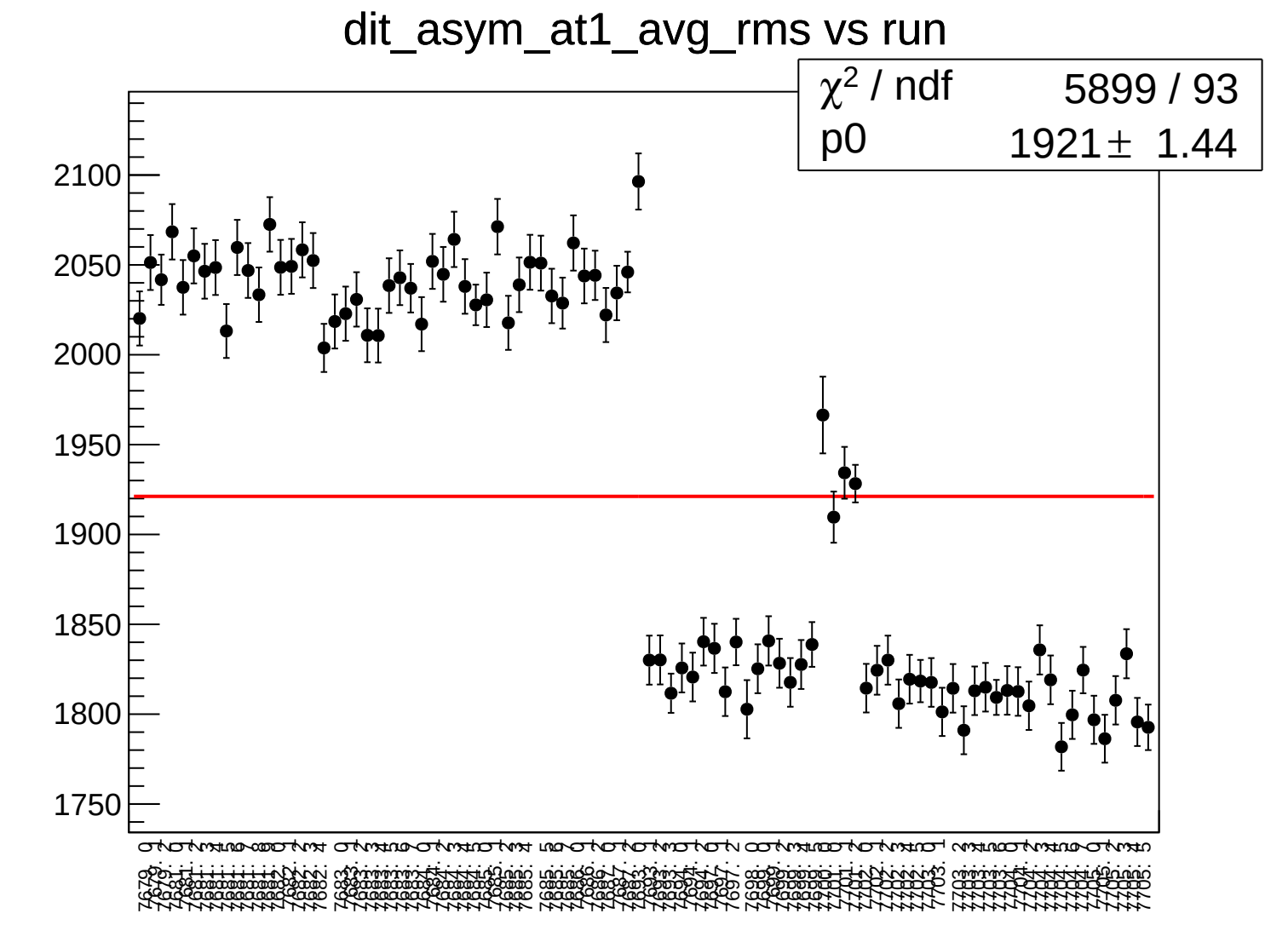

asym_usr_mean vs run
×10^3
χ² / ndf 82.37 / 93
p0 −2742 ± 3470
100
50
0
−50
−100
pull
Entries 94
Mean −232.3
Std Dev 279.7
2
1
0
−1
−2

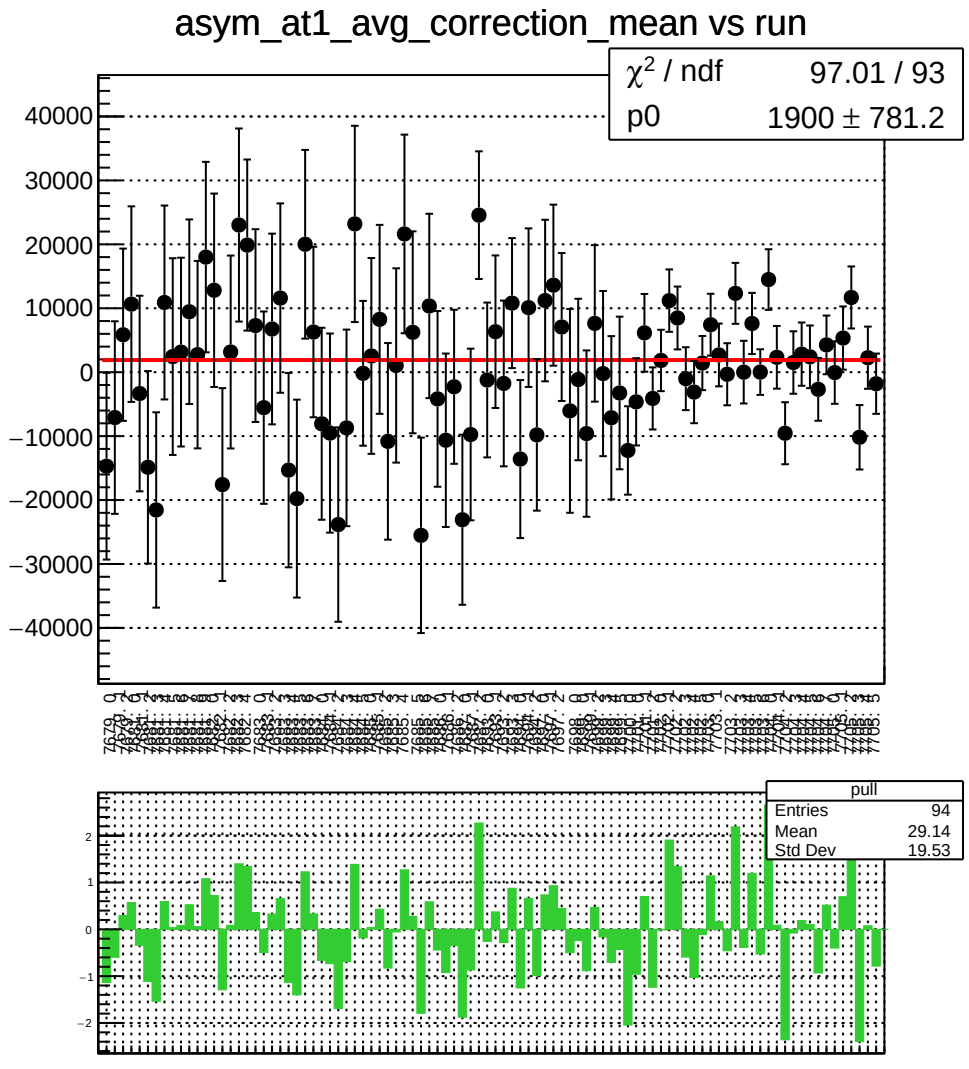

pull1D
Entries 94
Mean 0.02527
Std Dev 0.9358
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

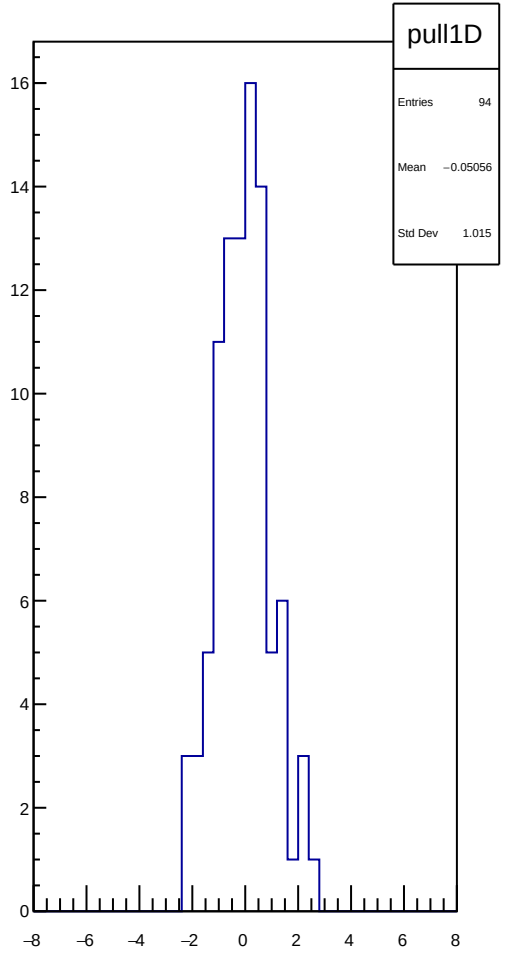

asym_usr_rms vs run
χ² / ndf 1.328e+04 / 93
p0 3266 ± 2.454
3800
3600
3400
3200
3000
2800
2600

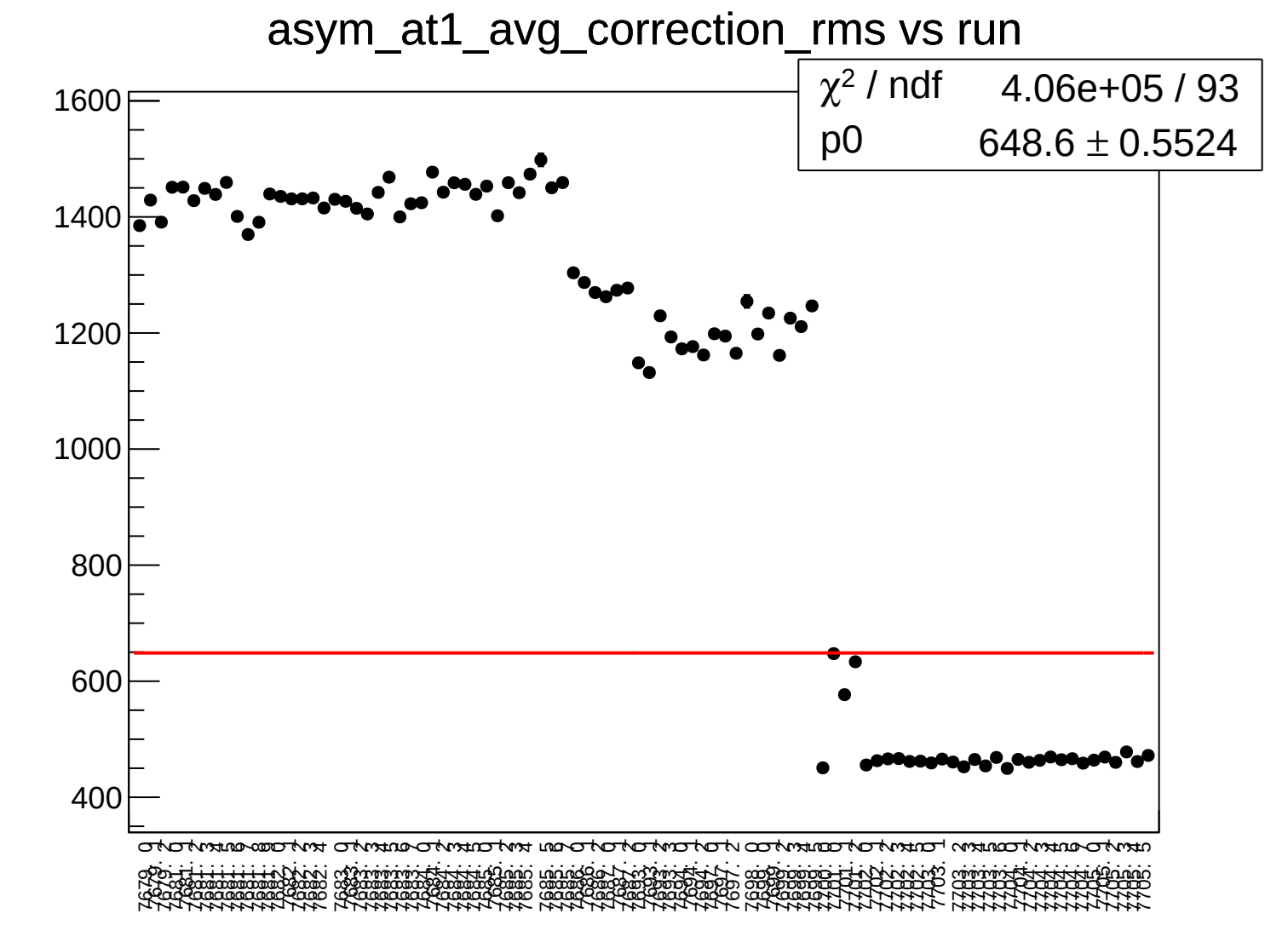

dit_asym_at1_avg_mean vs run
χ² / ndf 92.43 / 93
p0 −1514 ± 2037
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 94
Mean −91
Std Dev 119.1
2
1
0
−1
−2

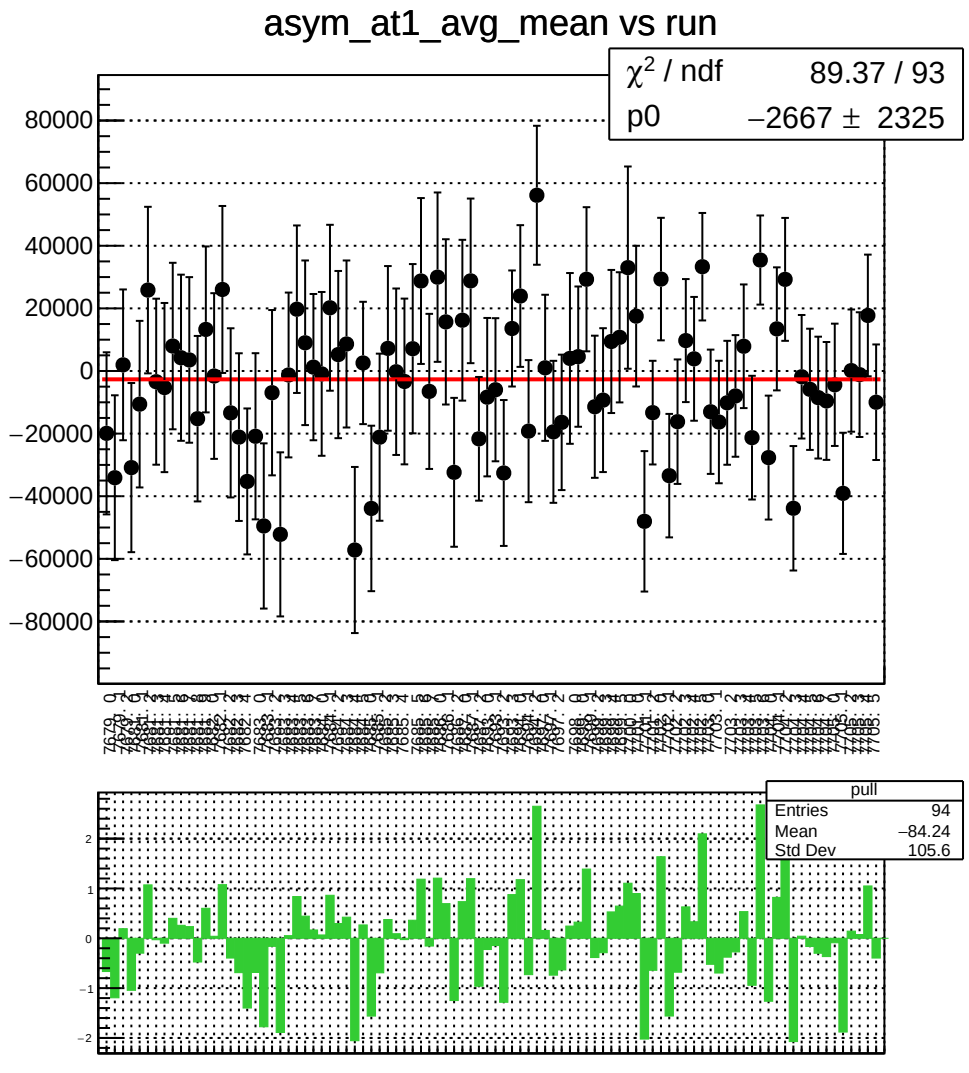

pull1D
Entries 94
Mean −0.02149
Std Dev 0.9914
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

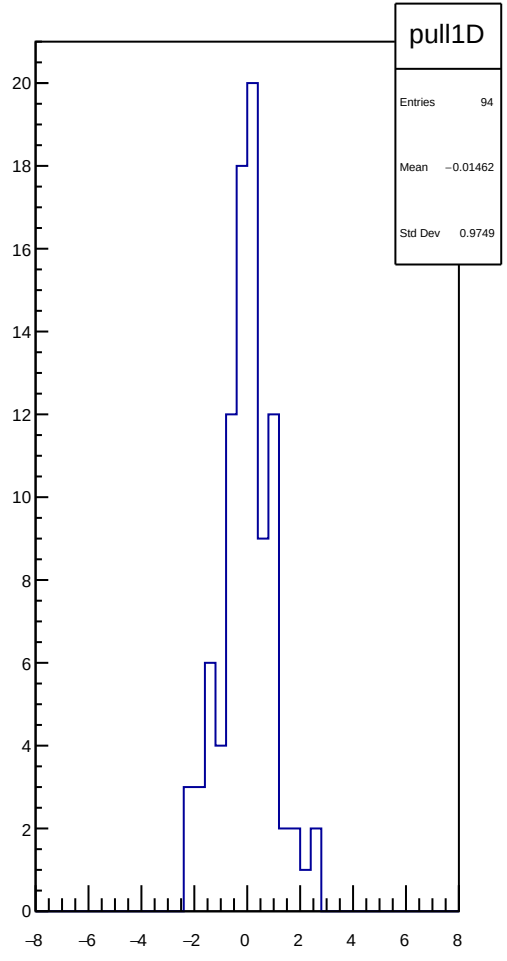

dit_asym_at1_avg_rms vs run
χ^2 / ndf 5899 / 93
p0 1921 ± 1.44
2100
2050
2000
1950
1900
1850
1800
1750

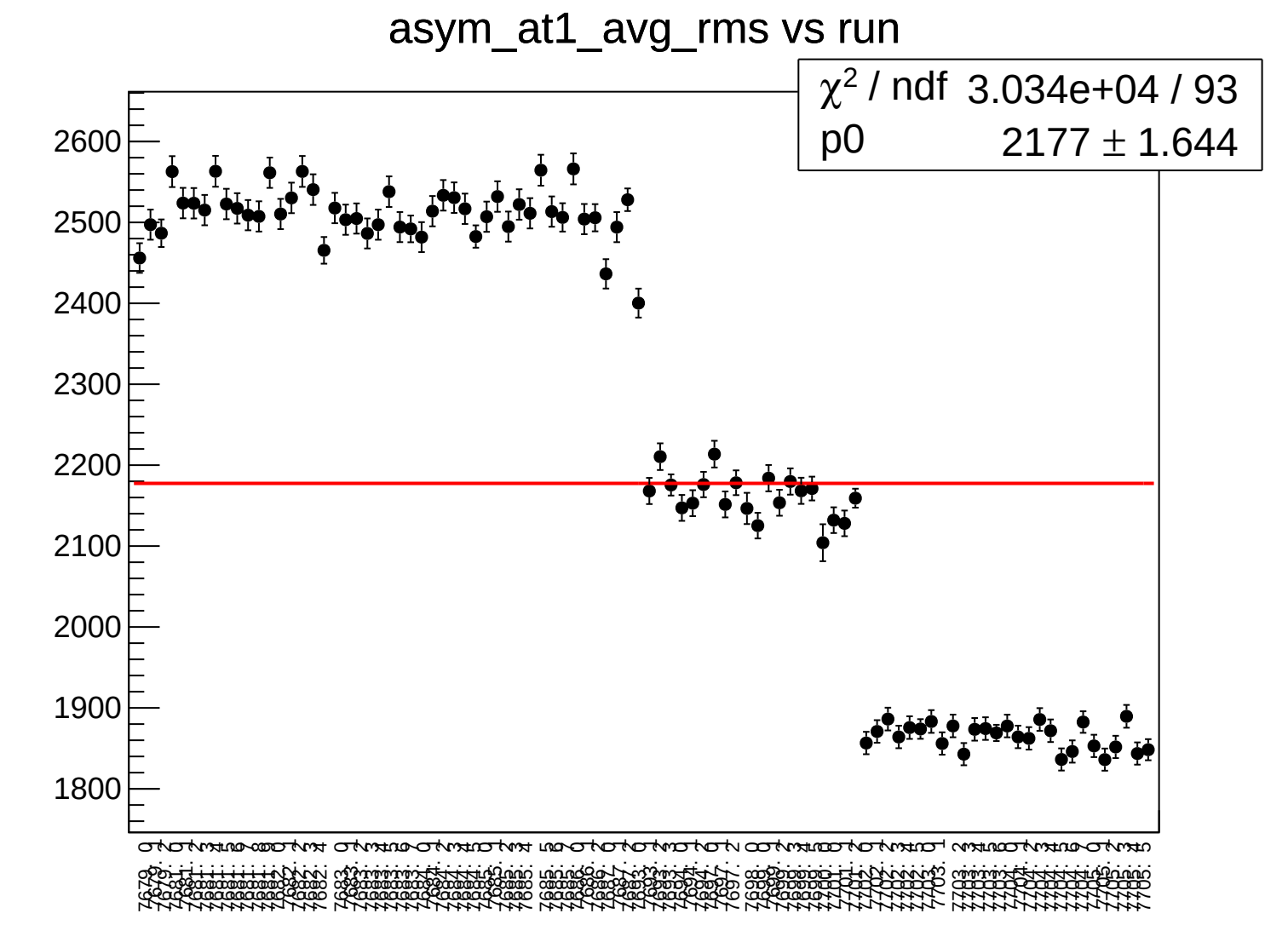

asym_at1_avg_correction_mean vs run
χ² / ndf 97.01 / 93
p0 1900 ± 781.2
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 94
Mean 29.14
Std Dev 19.53
2
1
0
−1
−2

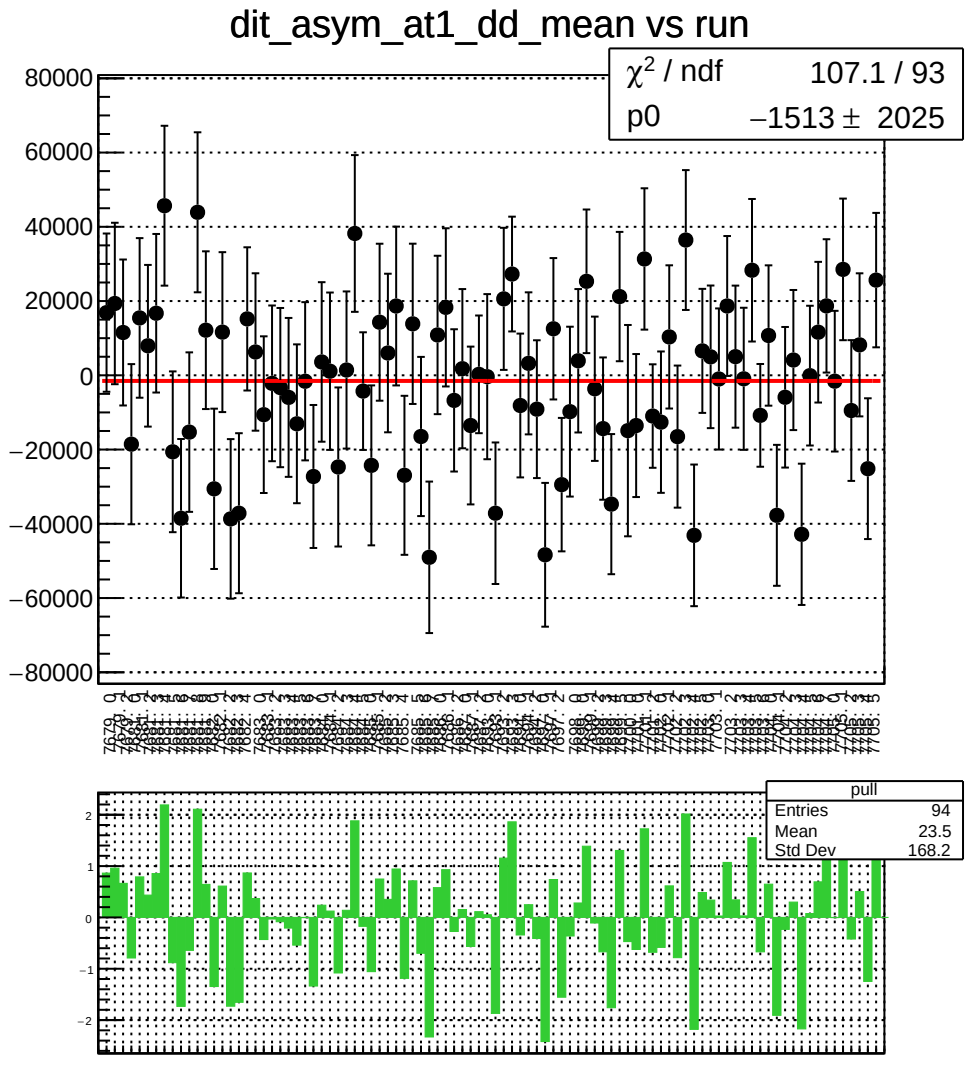

pull1D
Entries 94
Mean −0.05056
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

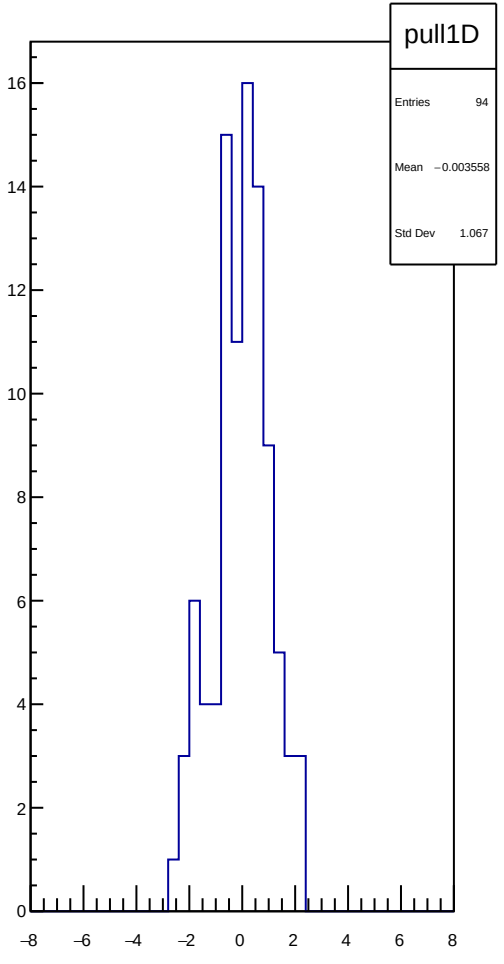

asym_at1_avg_correction_rms vs run
χ² / ndf 4.06e+05 / 93
p0 648.6 ± 0.5524
1600
1400
1200
1000
800
600
400

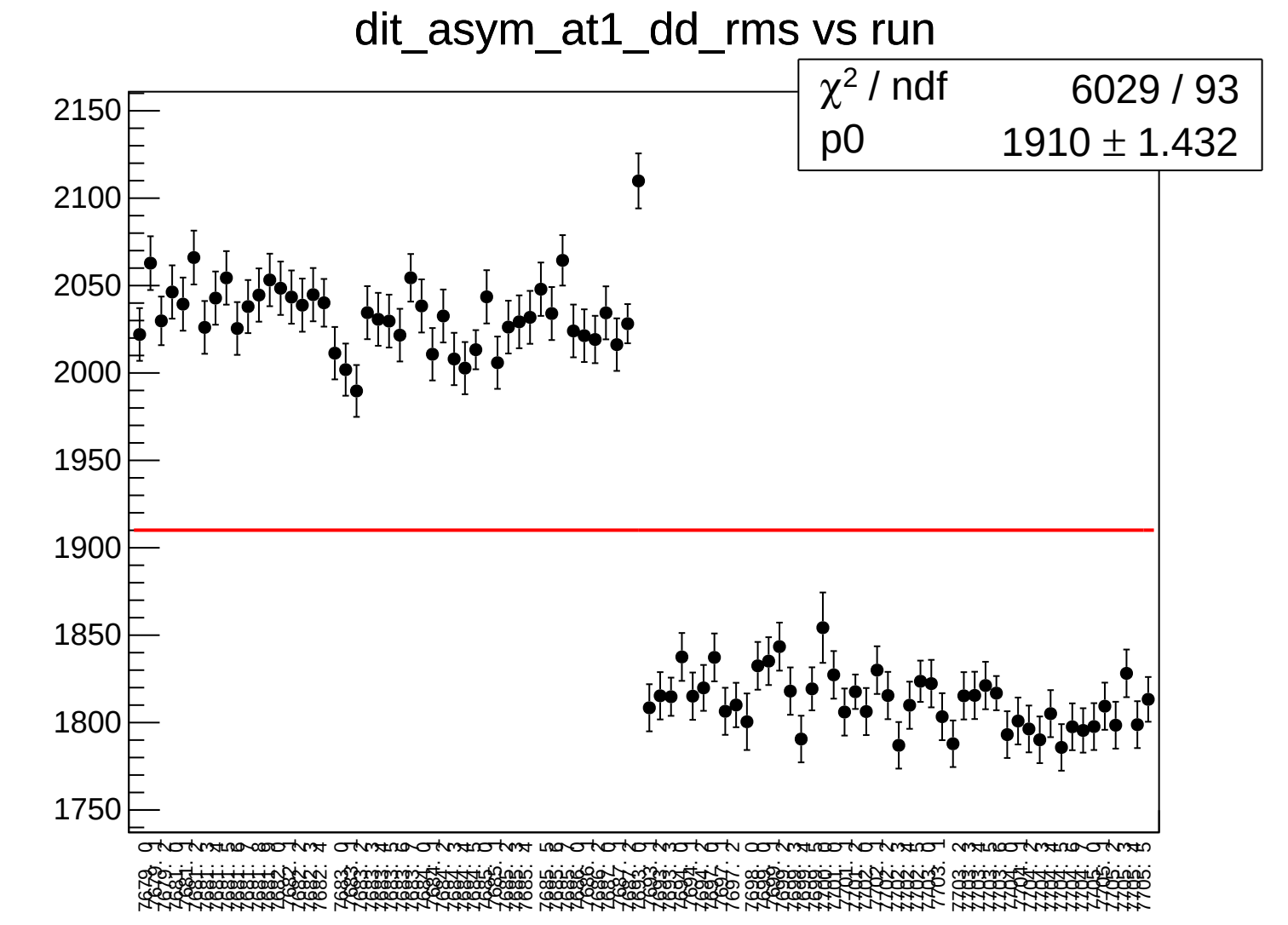

asym_at1_avg_mean vs run
χ² / ndf 89.37 / 93
p0 −2667 ± 2325
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 94
Mean −84.24
Std Dev 105.6
2
1
0
−1
−2

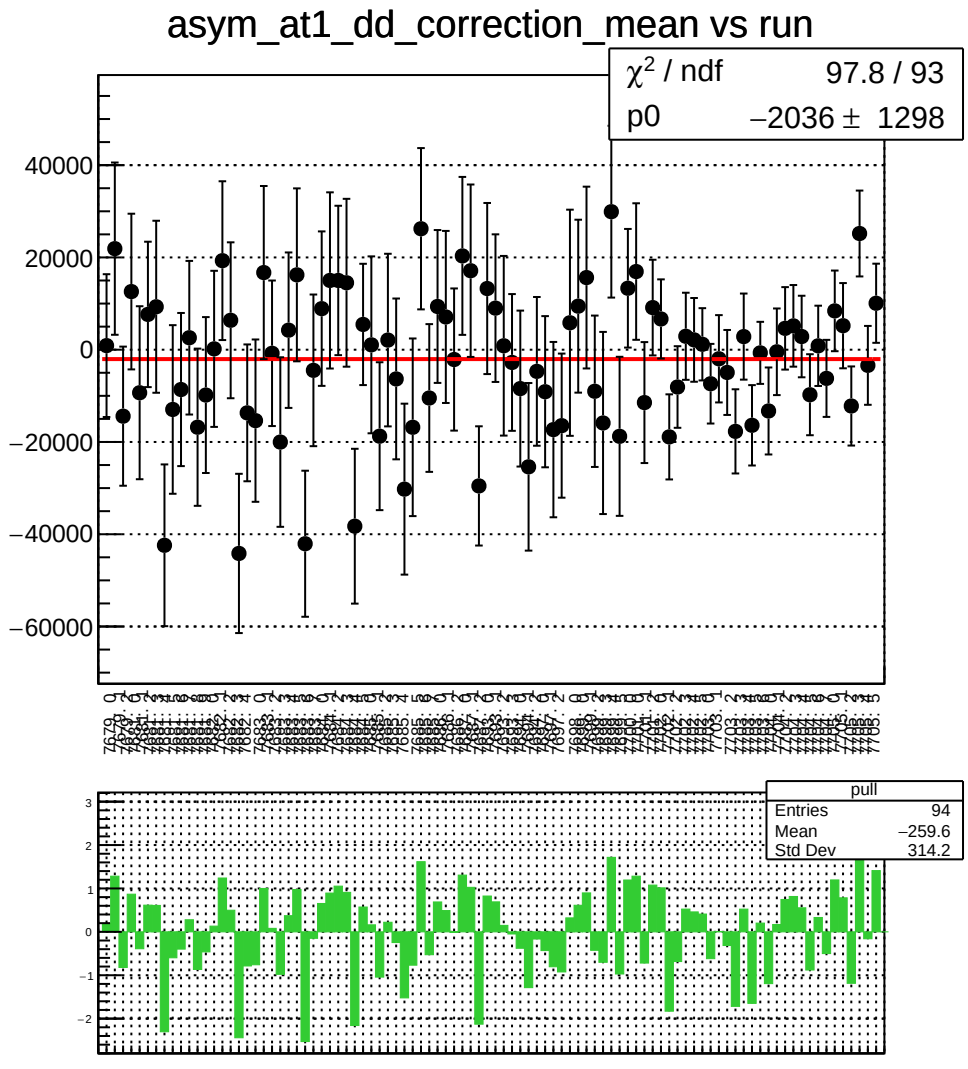

pull1D
Entries 94
Mean −0.01462
Std Dev 0.9749
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

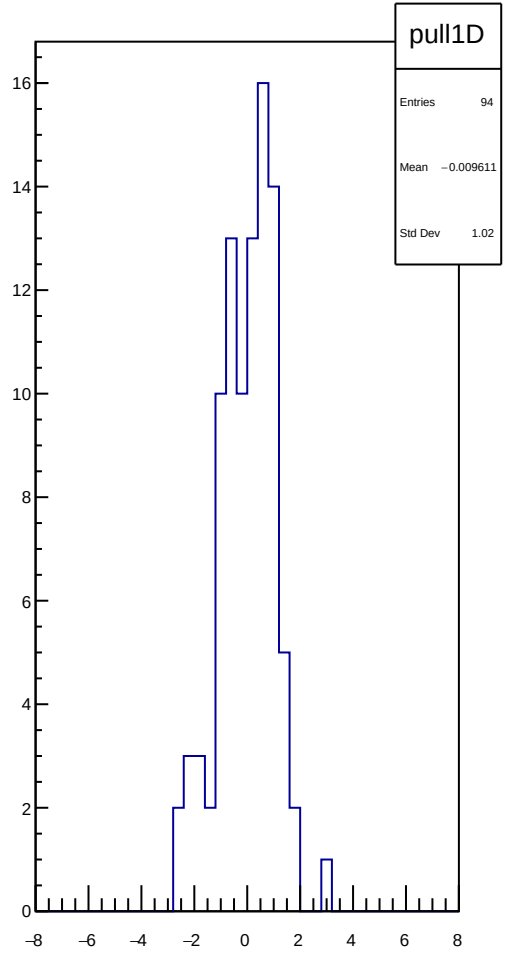

asym_at1_avg_rms vs run
χ^2 / ndf 3.034e+04 / 93
p0 2177 ± 1.644
2600
2500
2400
2300
2200
2100
2000
1900
1800

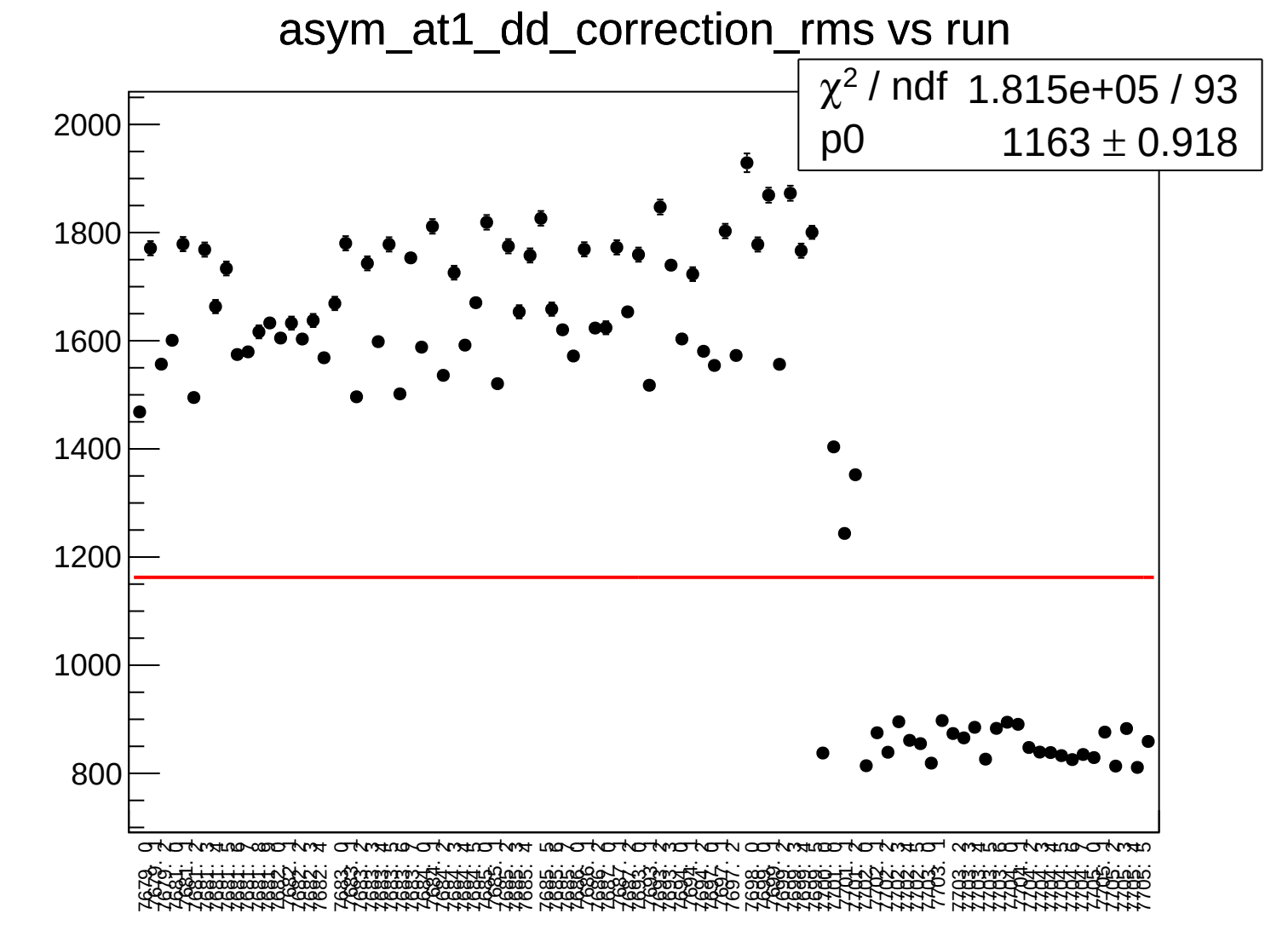

dit_asym_at1_dd_mean vs run
χ² / ndf 107.1 / 93
p0 −1513 ± 2025
pull
Entries 94
Mean 23.5
Std Dev 168.2

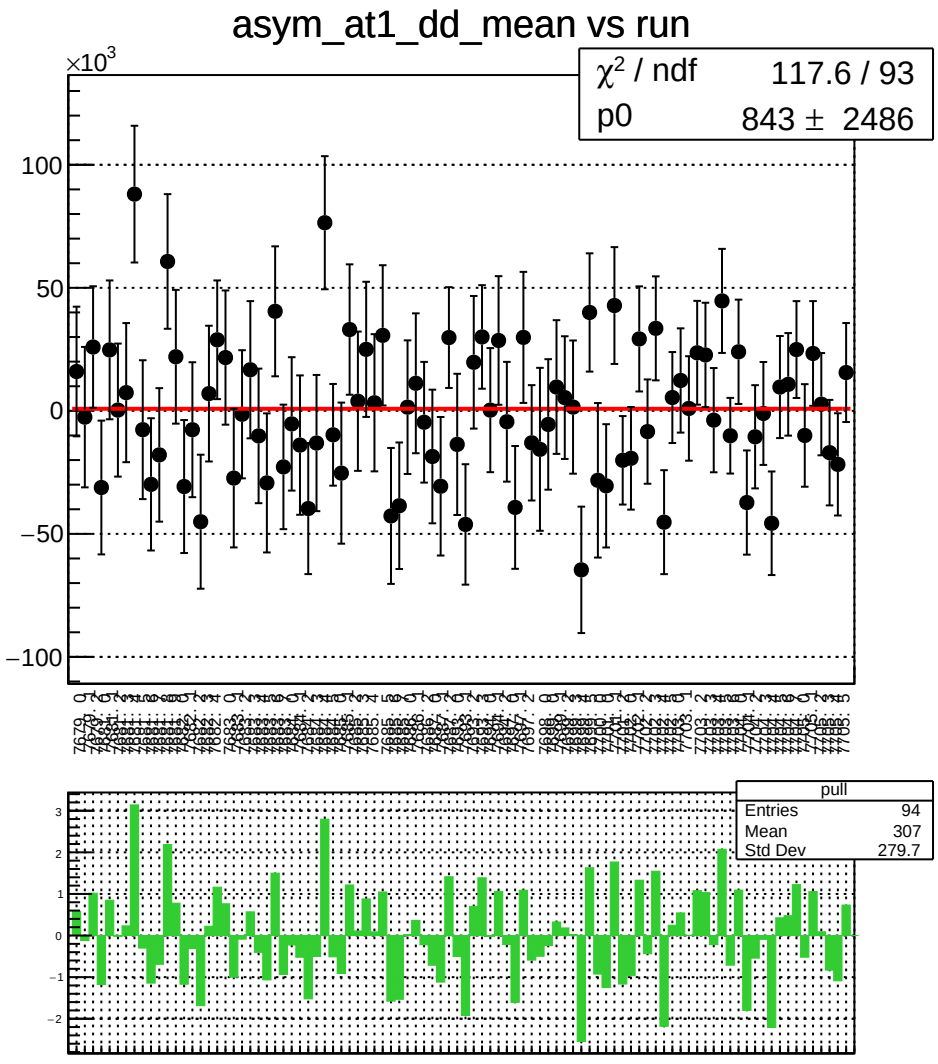

pull1D
Entries 94
Mean −0.003558
Std Dev 1.067

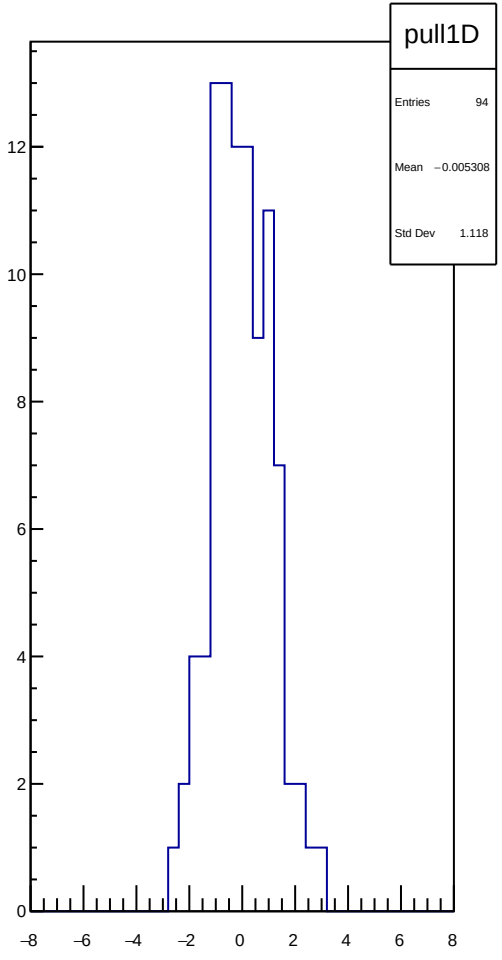

dit_asym_at1_dd_rms vs run
χ² / ndf 6029 / 93
p0 1910 ± 1.432
2150
2100
2050
2000
1950
1900
1850
1800
1750

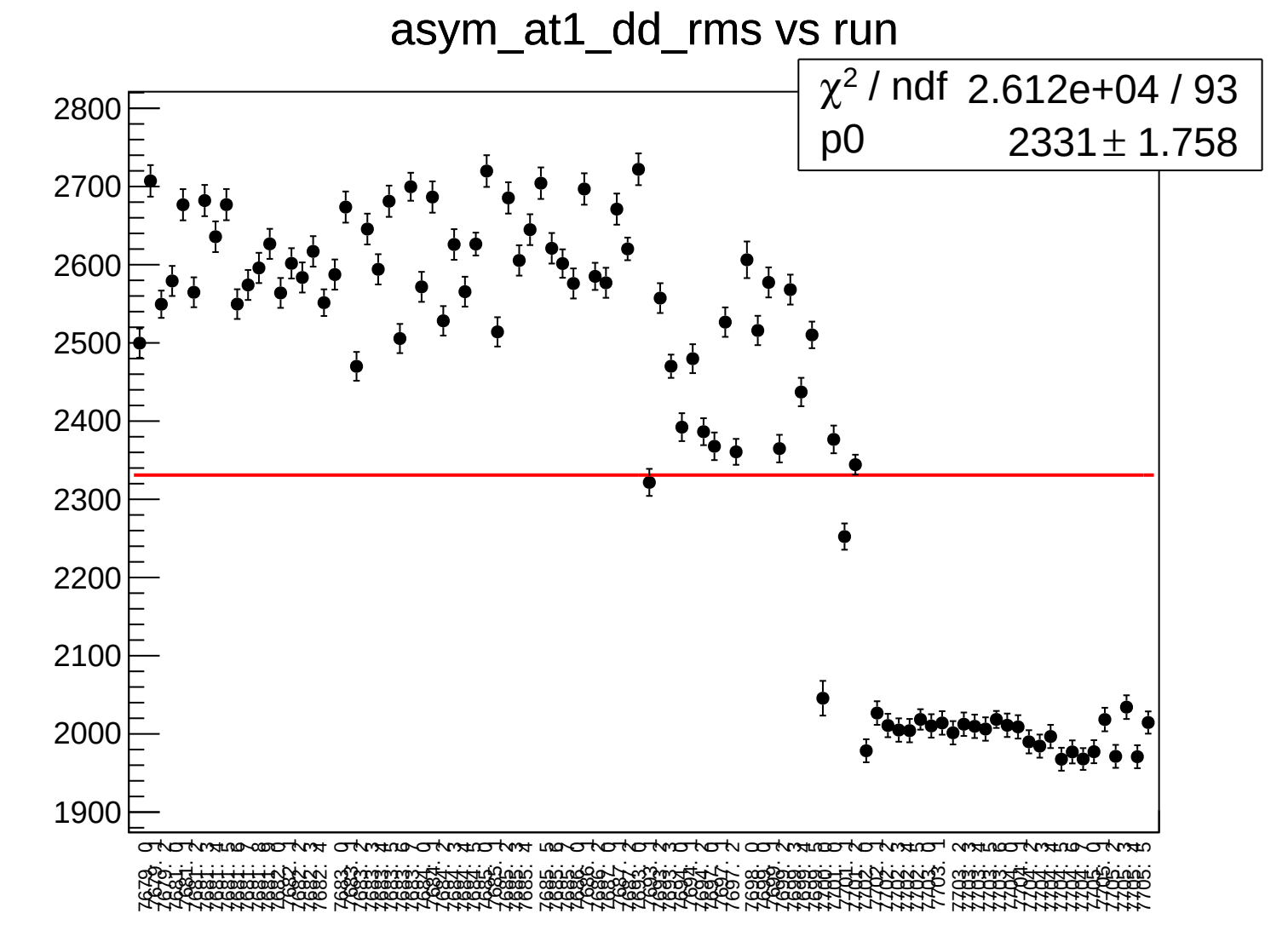

asym_at1_dd_correction_mean vs run
χ² / ndf 97.8 / 93
p0 −2036 ± 1298
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean −259.6
Std Dev 314.2
3
2
1
0
−1
−2

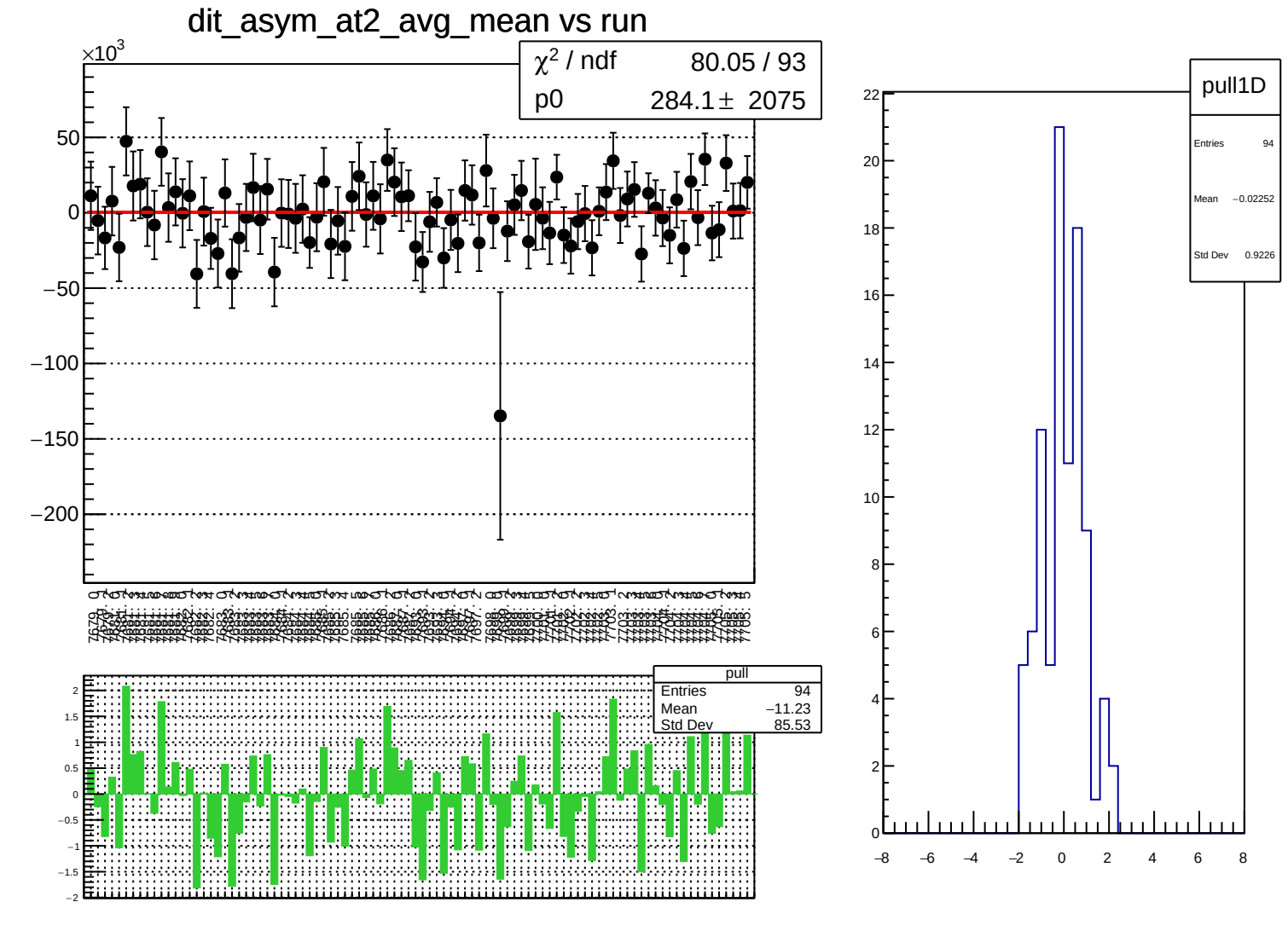

pull1D
Entries 94
Mean −0.009611
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

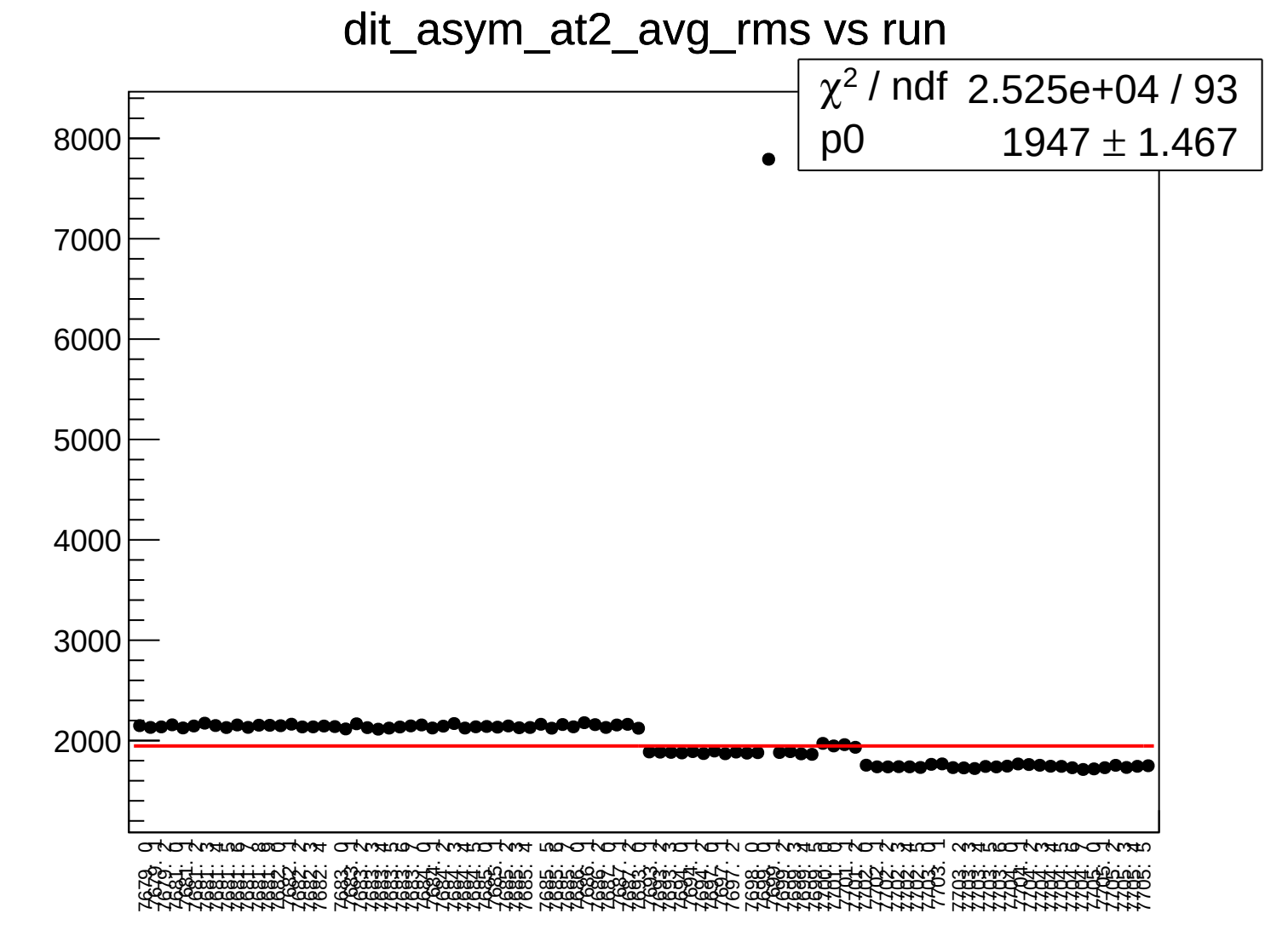

asym_at1_dd_correction_rms vs run
χ² / ndf 1.815e+05 / 93
p0 1163 ± 0.918
2000
1800
1600
1400
1200
1000
800

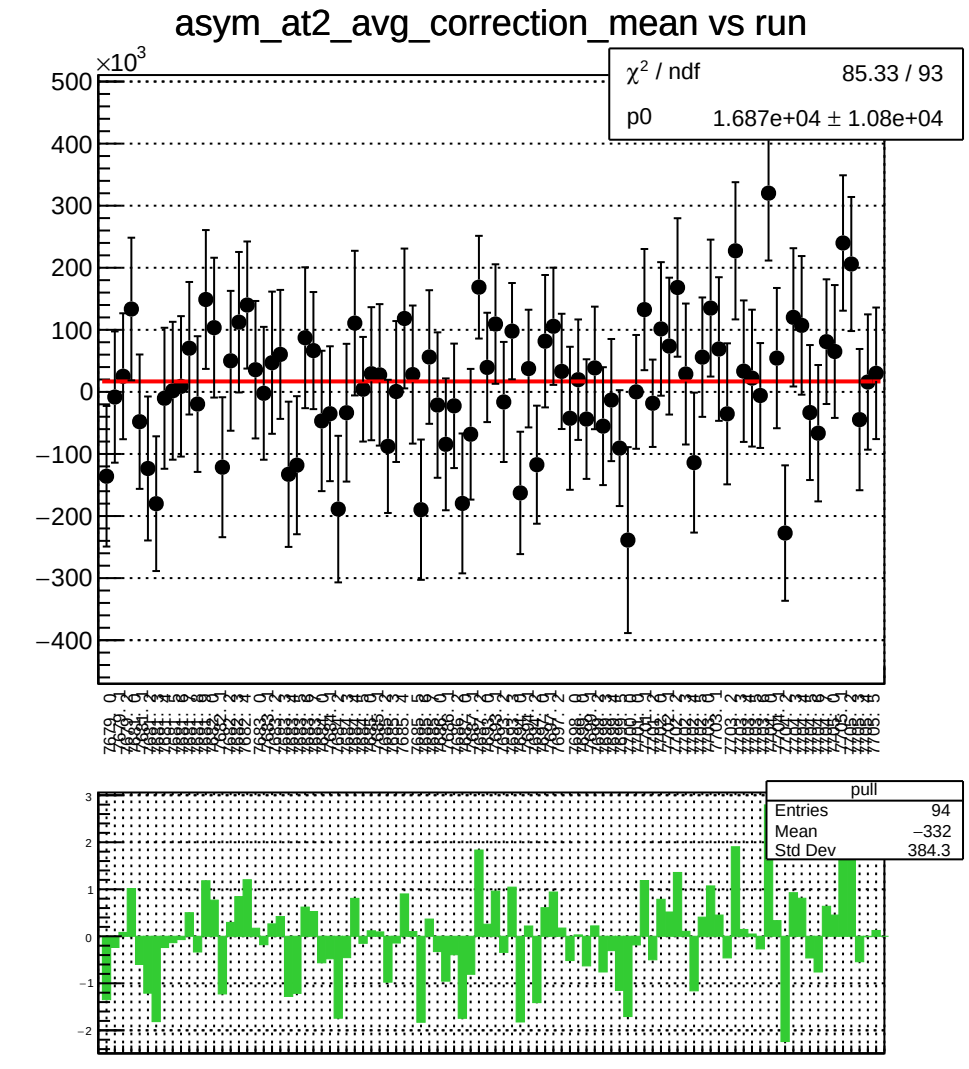

asym_at1_dd_mean vs run
×10^3
χ² / ndf 117.6 / 93
p0 843 ± 2486
100
50
0
−50
−100
pull
Entries 94
Mean 307
Std Dev 279.7
3
2
1
0
−1
−2

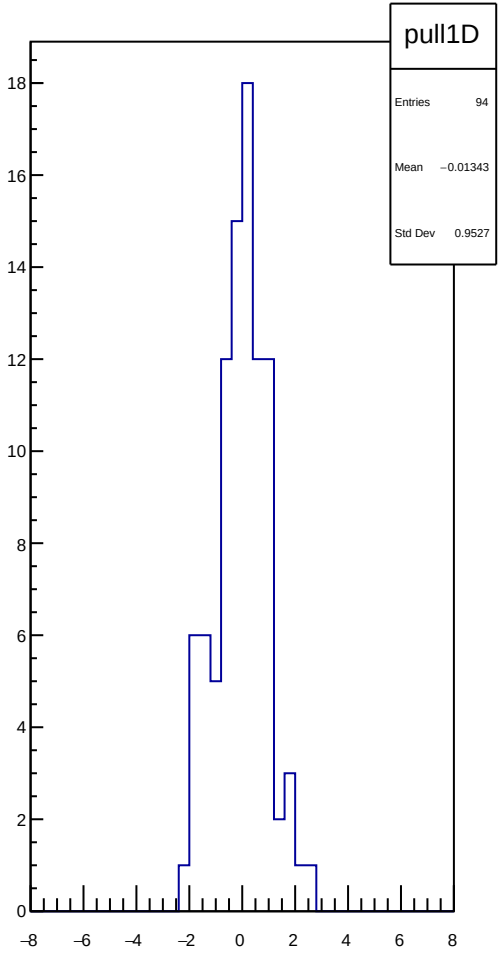

pull1D
Entries 94
Mean −0.005308
Std Dev 1.118
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

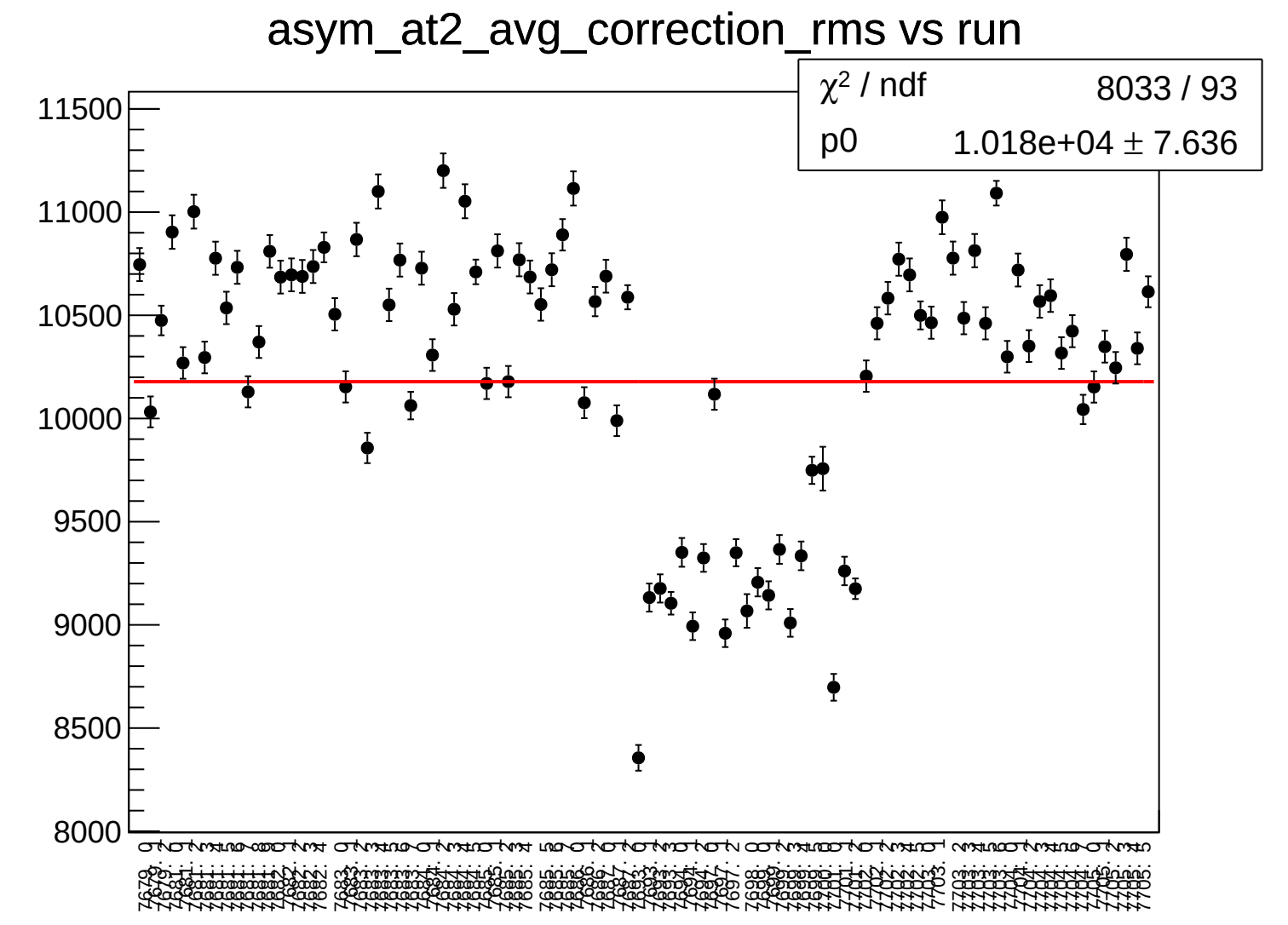

asym_at1_dd_rms vs run
χ^2 / ndf 2.612e+04 / 93
p0 2331 ± 1.758
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900

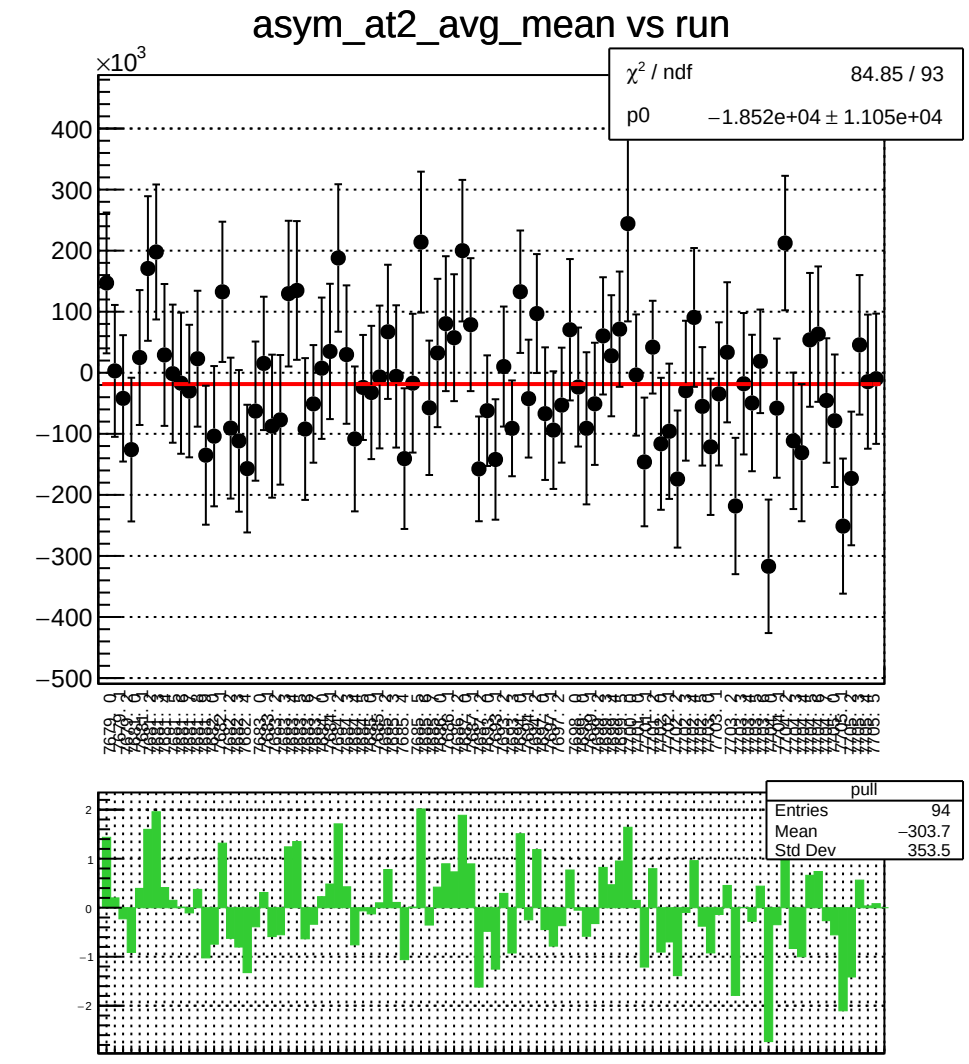

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 80.05 / 93
p0 284.1 ± 2075
50
0
−50
−100
−150
−200
pull
Entries 94
Mean −11.23
Std Dev 85.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 94
Mean −0.02252
Std Dev 0.9226
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

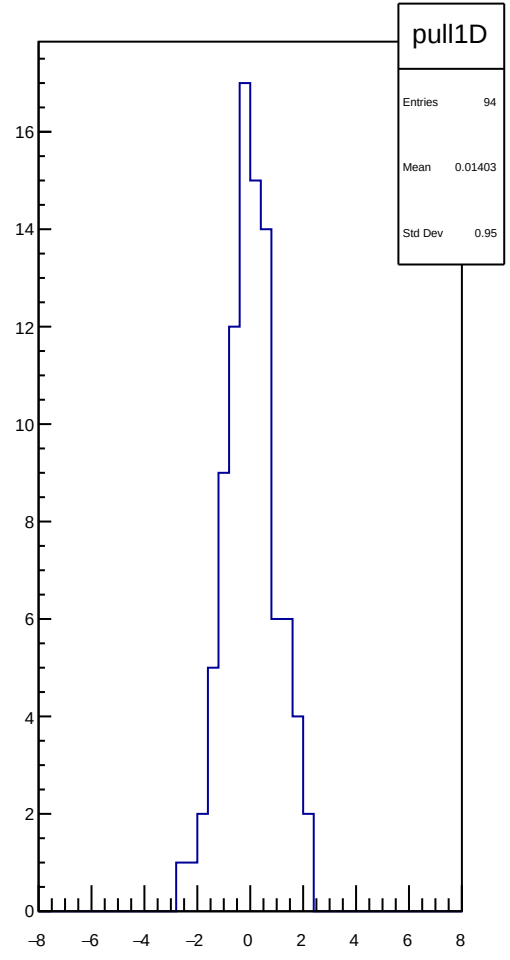

dit_asym_at2_avg_rms vs run
χ² / ndf 2.525e+04 / 93
p0 1947 ± 1.467
8000
7000
6000
5000
4000
3000
2000

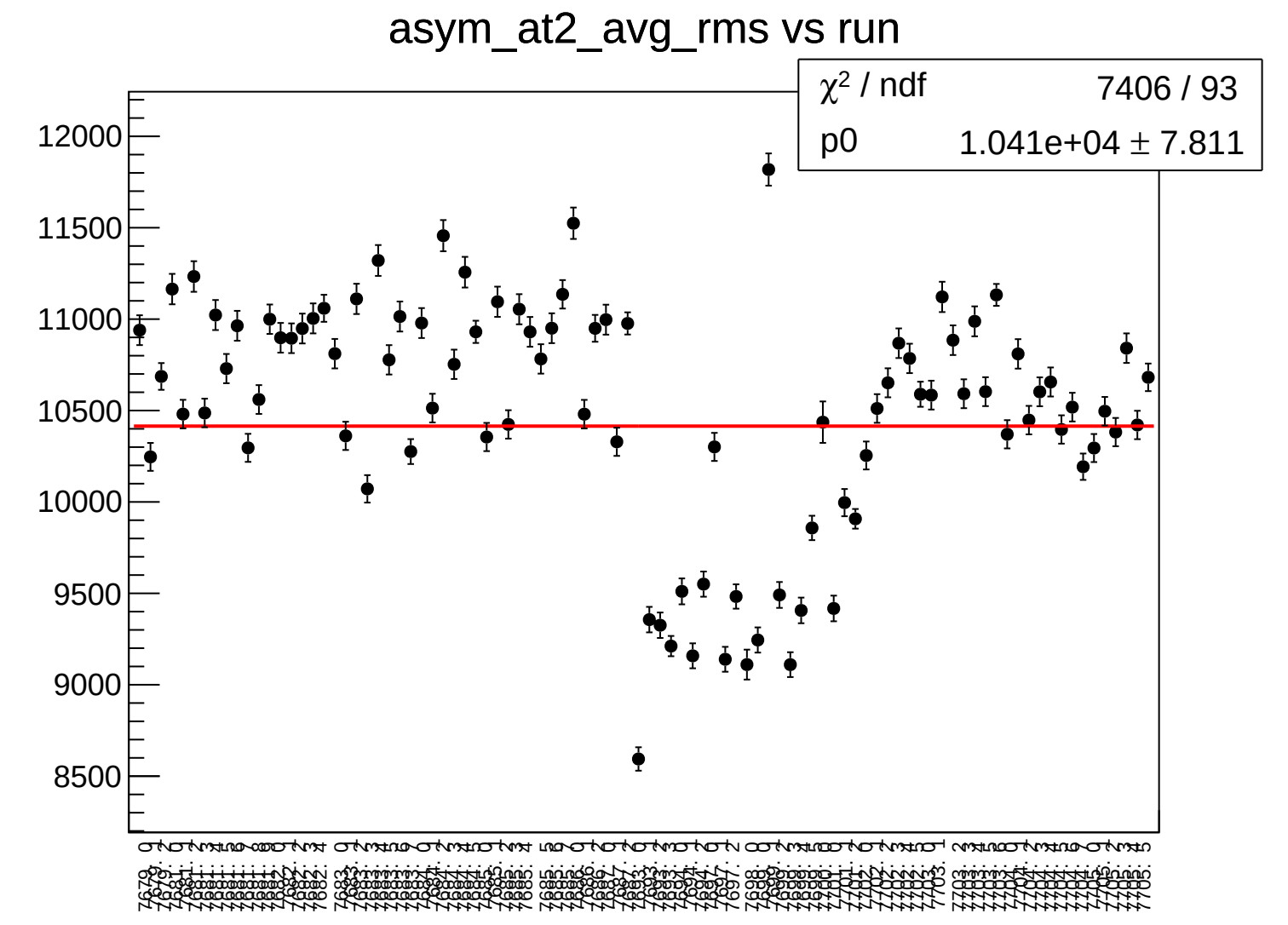

asym_at2_avg_correction_mean vs run
χ² / ndf 85.33 / 93
p0 1.687e+04 ± 1.08e+04
×10³
pull
Entries 94
Mean −332
Std Dev 384.3

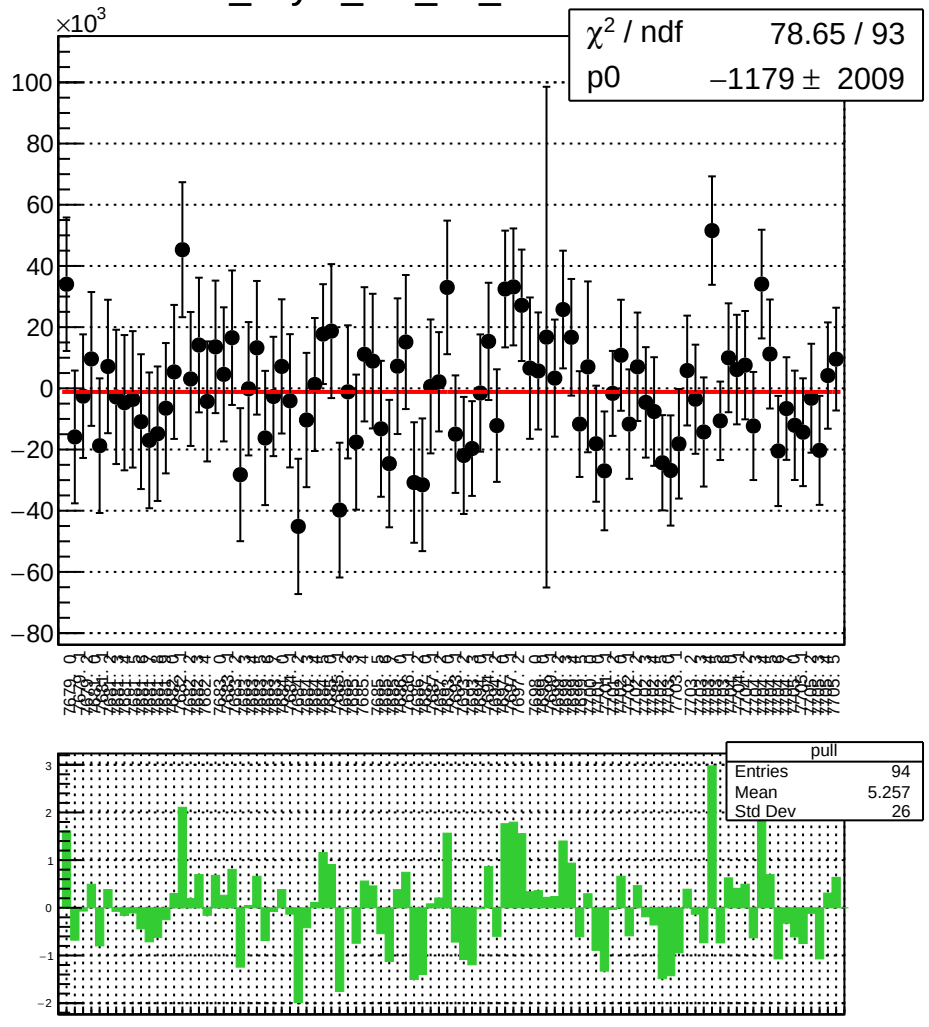

pull1D
Entries 94
Mean −0.01343
Std Dev 0.9527

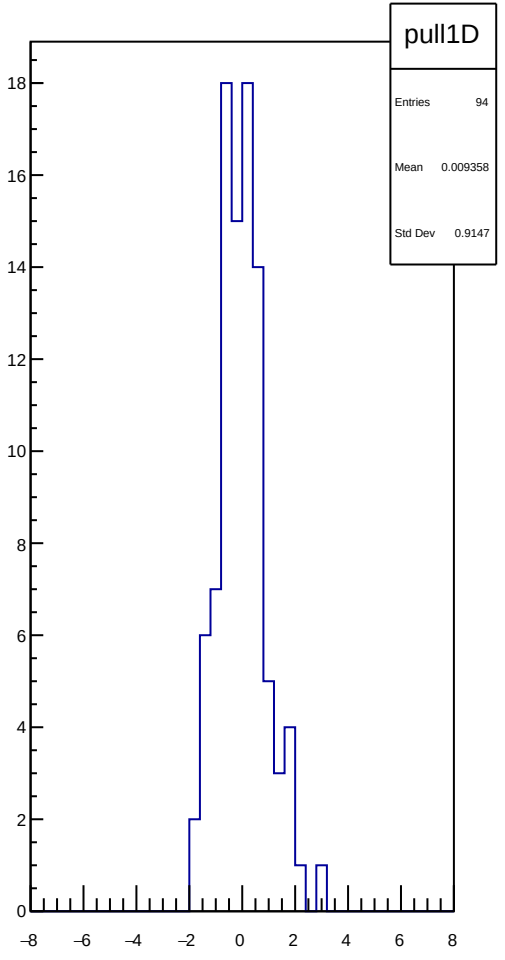

asym_at2_avg_correction_rms vs run
χ² / ndf 8033 / 93
p0 1.018e+04 ± 7.636
11500
11000
10500
10000
9500
9000
8500
8000

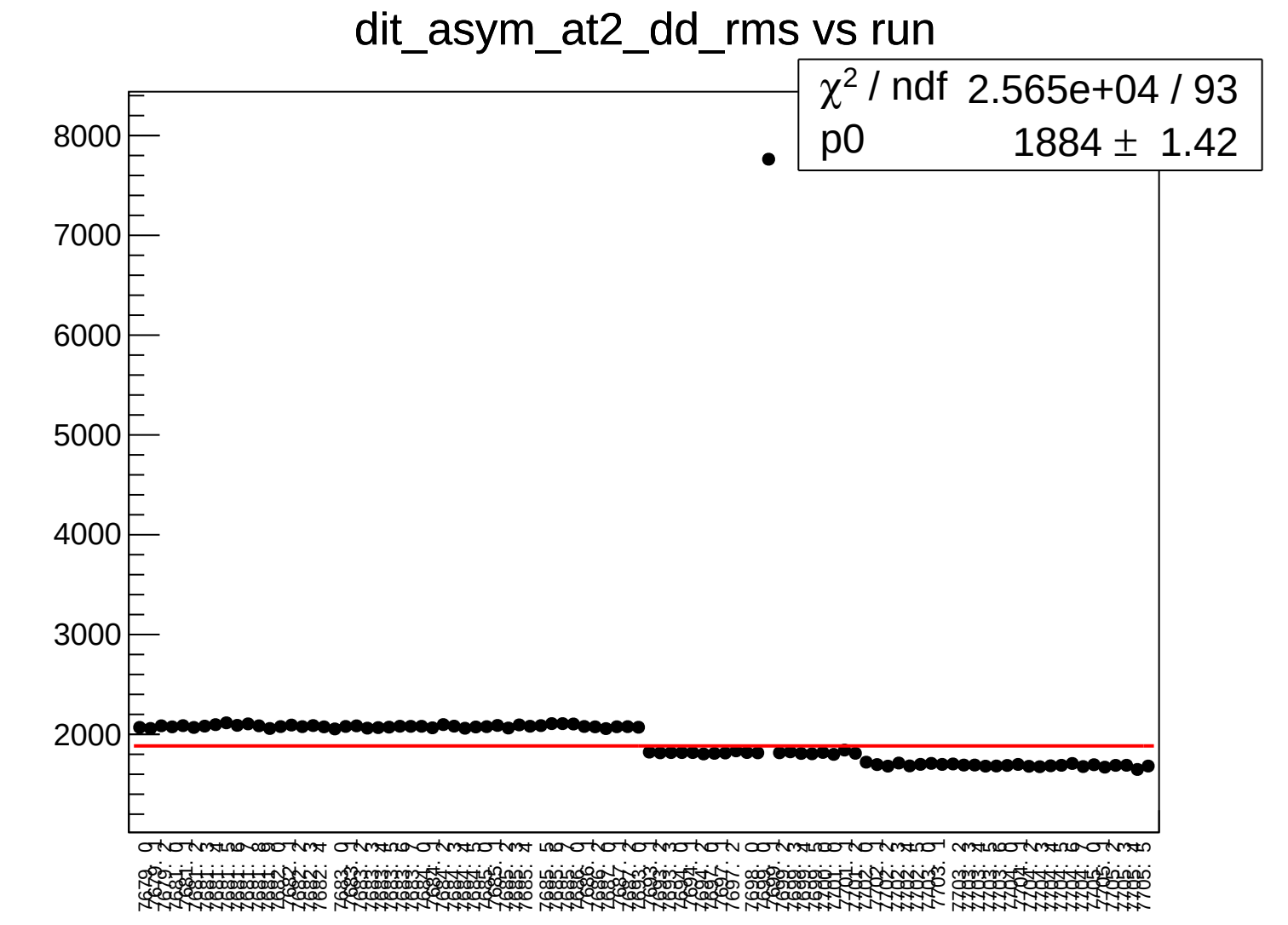

asym_at2_avg_mean vs run
×10^3
χ² / ndf 84.85 / 93
p0 −1.852e+04 ± 1.105e+04
pull
Entries 94
Mean −303.7
Std Dev 353.5

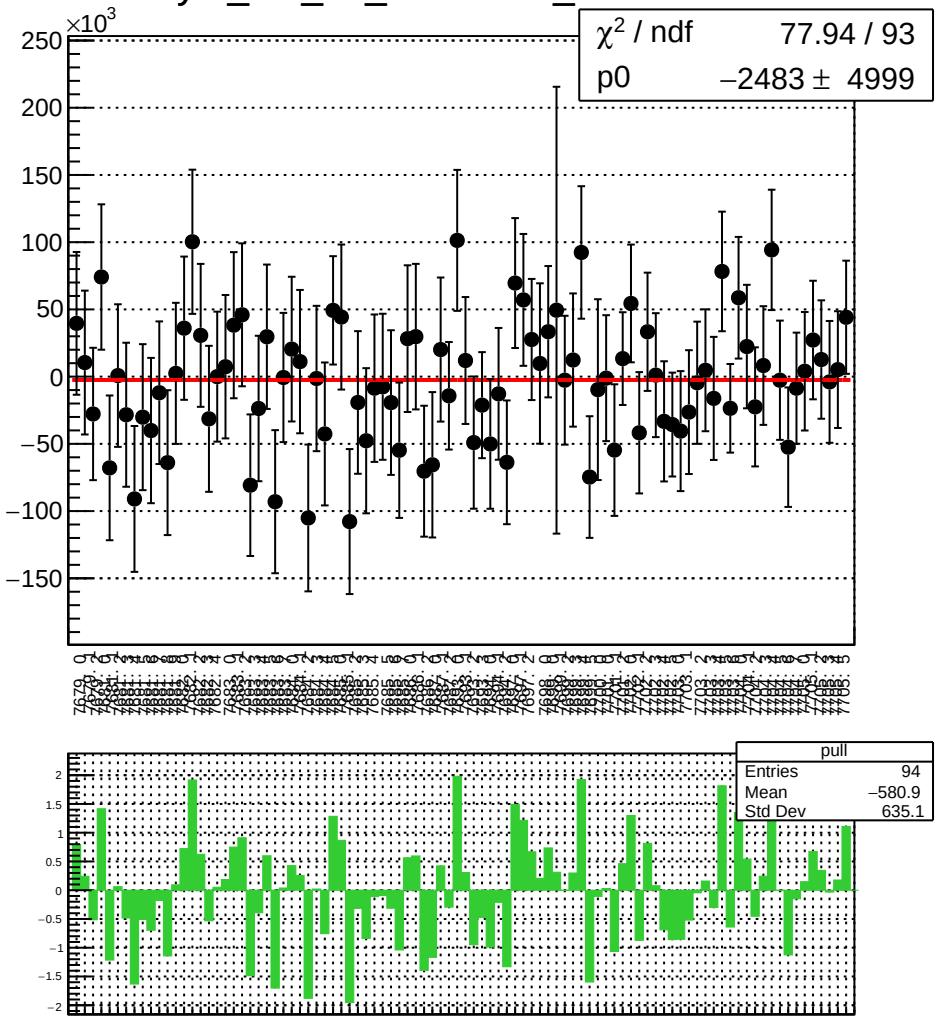

pull1D
Entries 94
Mean 0.01403
Std Dev 0.95

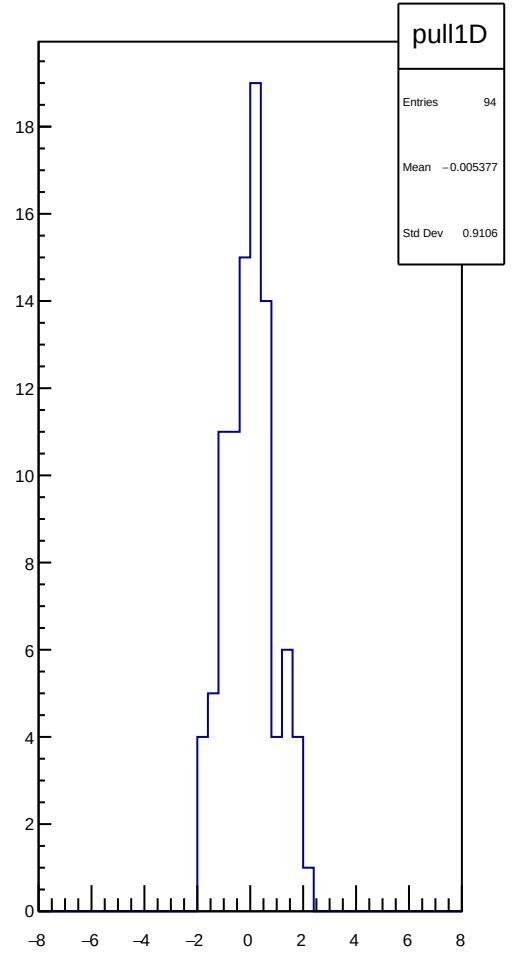

asym_at2_avg_rms vs run
χ² / ndf 7406 / 93
p0 1.041e+04 ± 7.811
12000
11500
11000
10500
10000
9500
9000
8500

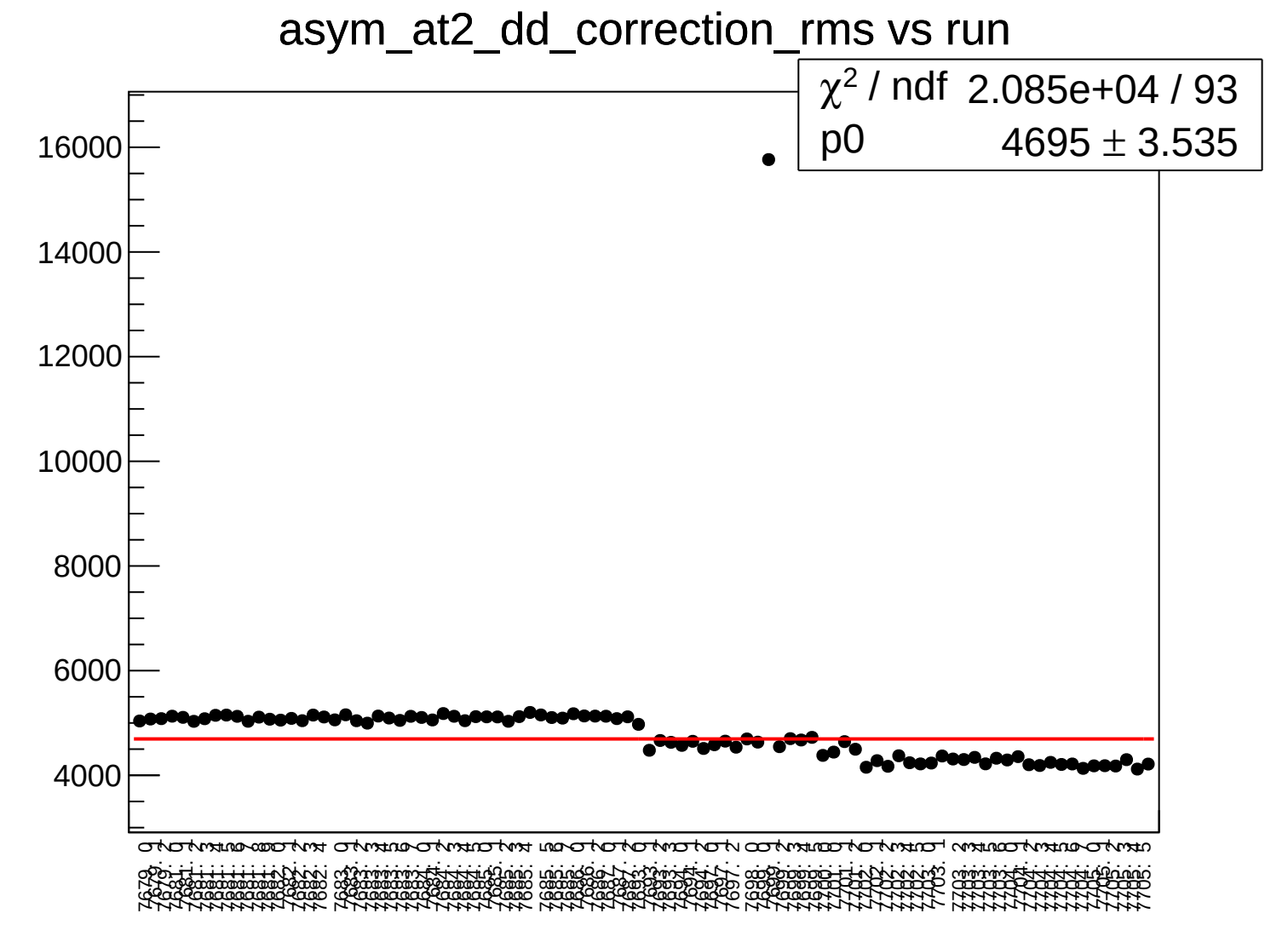

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 78.65 / 93
p0 −1179 ± 2009
pull
Entries 94
Mean 5.257
Std Dev 26

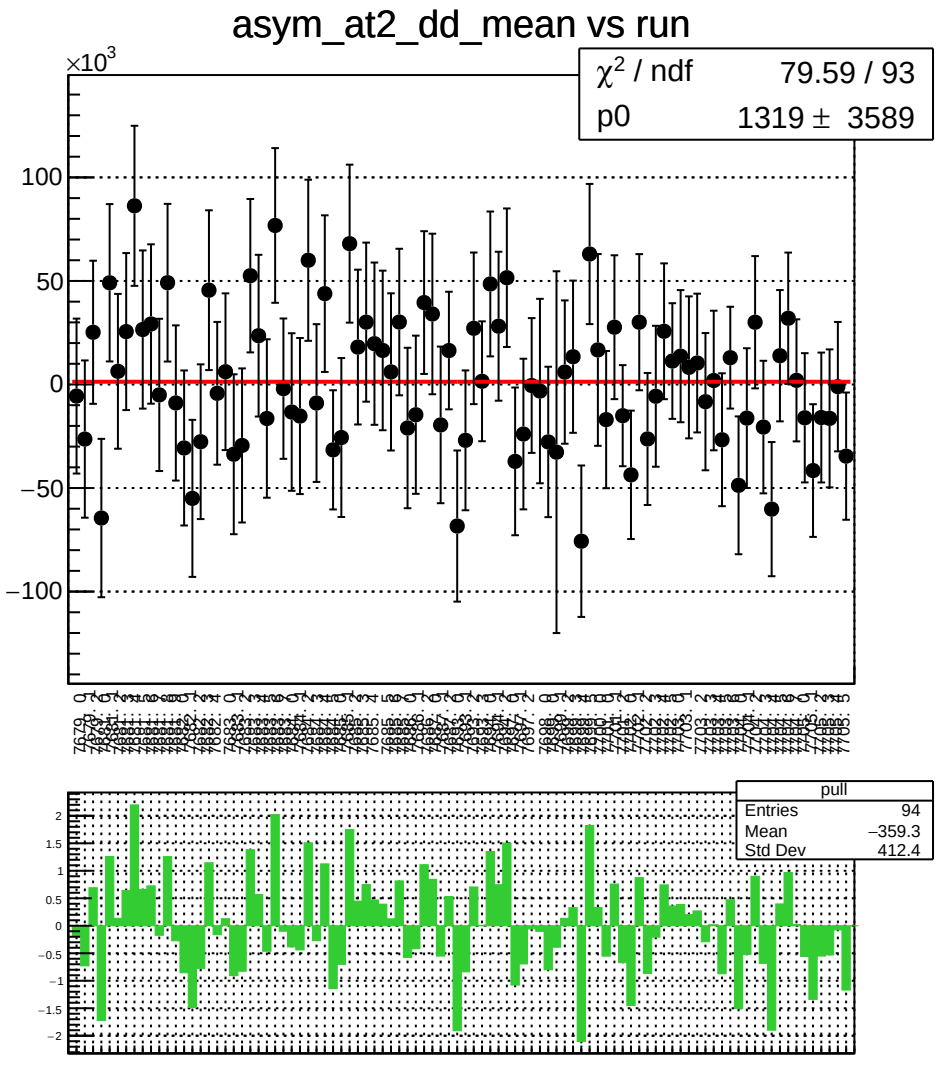

pull1D
Entries 94
Mean 0.009358
Std Dev 0.9147

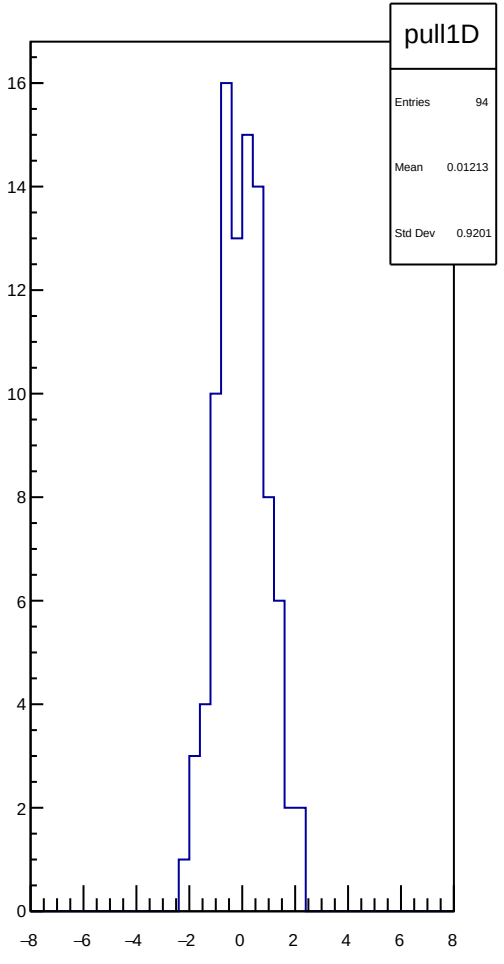

dit_asym_at2_dd_rms vs run
χ² / ndf 2.565e+04 / 93
p0 1884 ± 1.42
8000
7000
6000
5000
4000
3000
2000

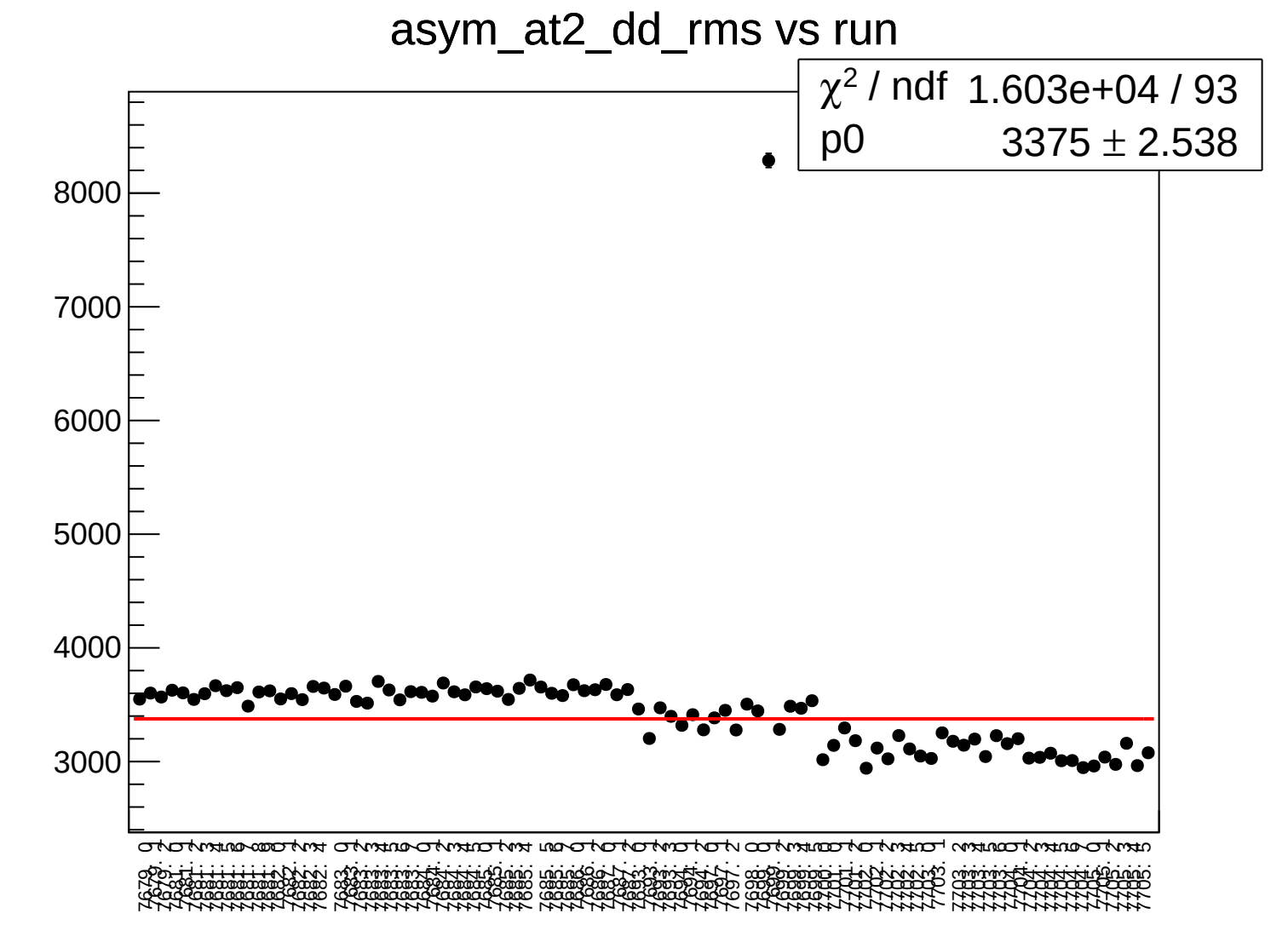

asym_at2_dd_correction_mean vs run
χ² / ndf 77.94 / 93
p0 −2483 ± 4999
×10³
pull
Entries 94
Mean −580.9
Std Dev 635.1

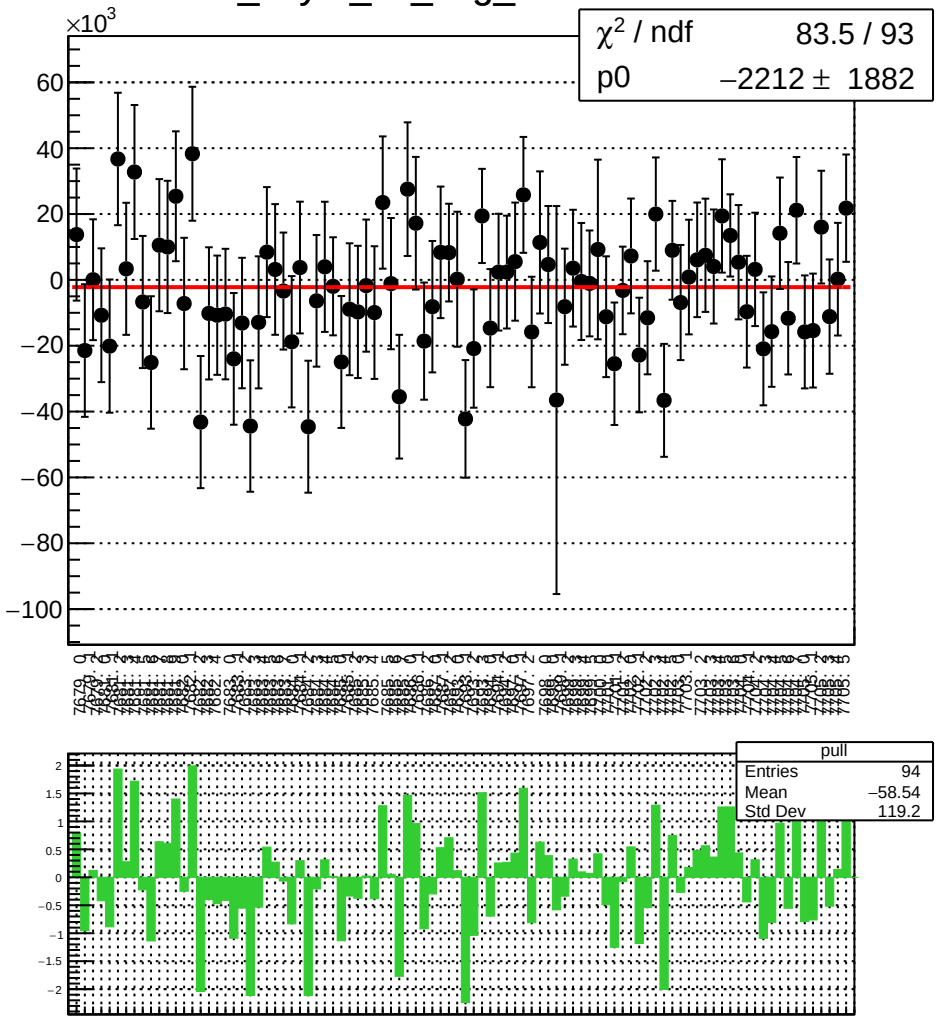

pull1D
Entries 94
Mean −0.005377
Std Dev 0.9106

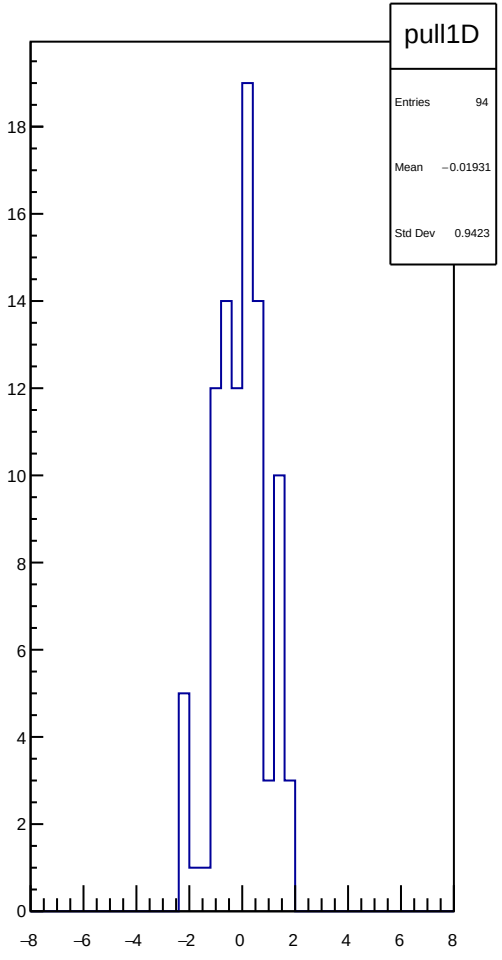

asym_at2_dd_correction_rms vs run
χ² / ndf 2.085e+04 / 93
p0 4695 ± 3.535
16000
14000
12000
10000
8000
6000
4000

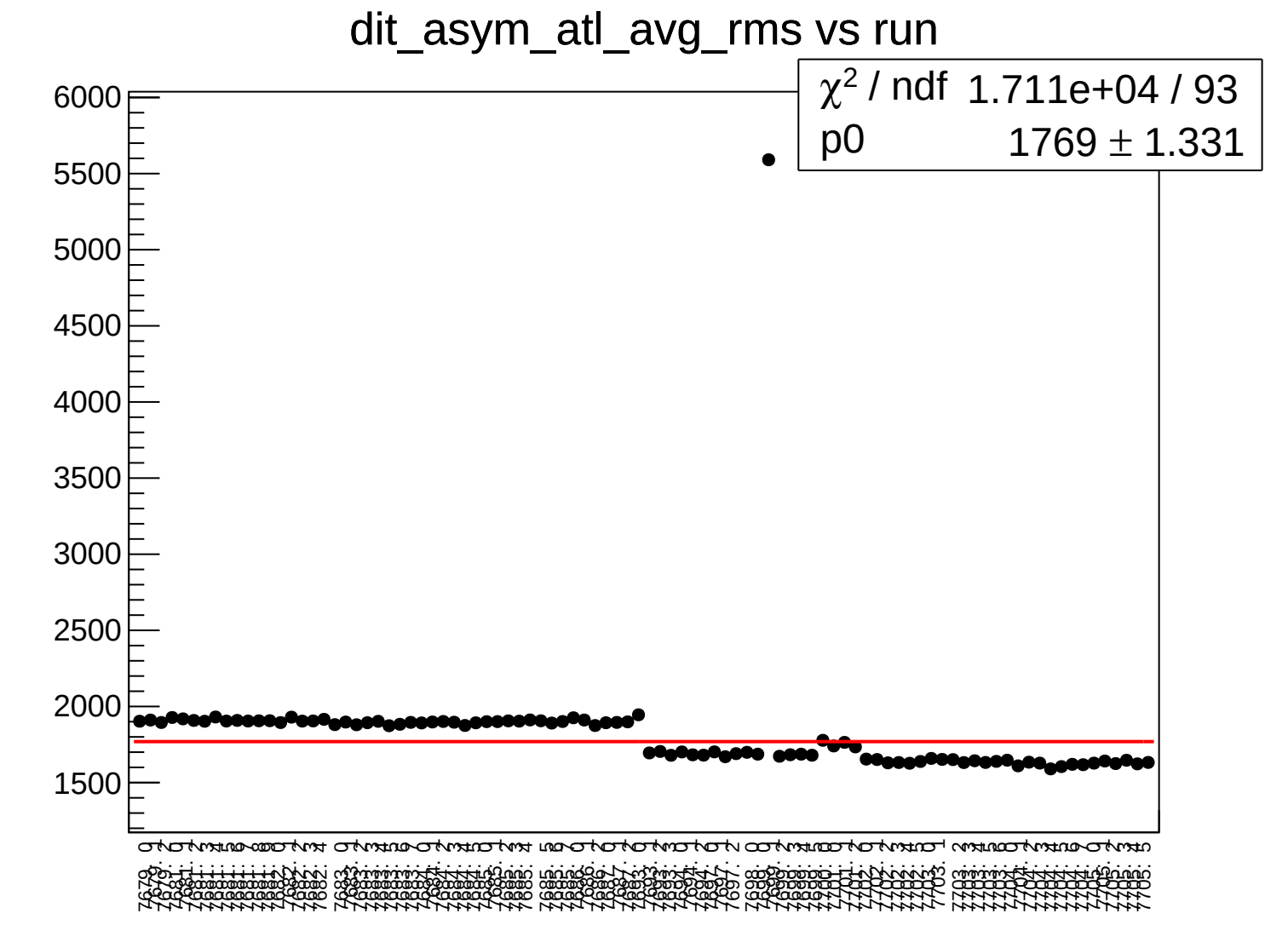

asym_at2_dd_mean vs run
×10^3
χ² / ndf 79.59 / 93
p0 1319 ± 3589
100
50
0
−50
−100
pull
Entries 94
Mean −359.3
Std Dev 412.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

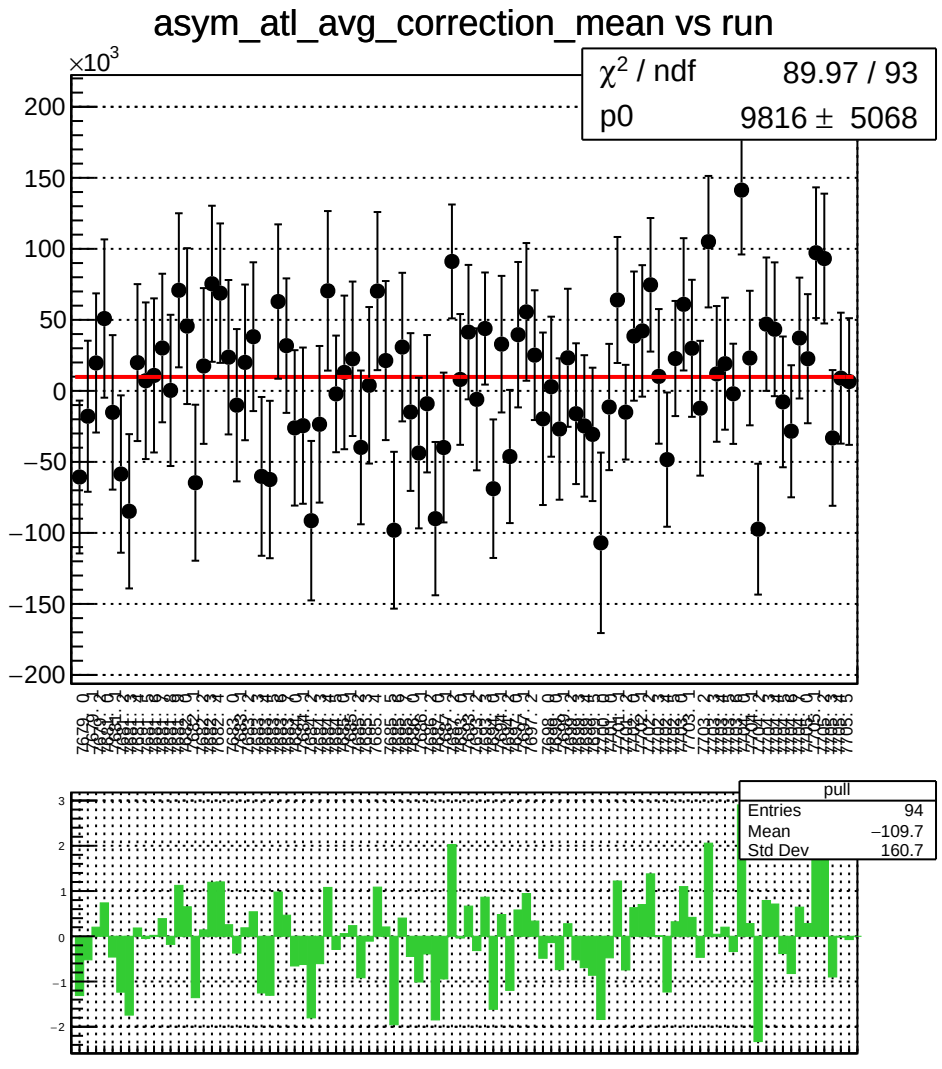

pull1D
Entries 94
Mean 0.01213
Std Dev 0.9201
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

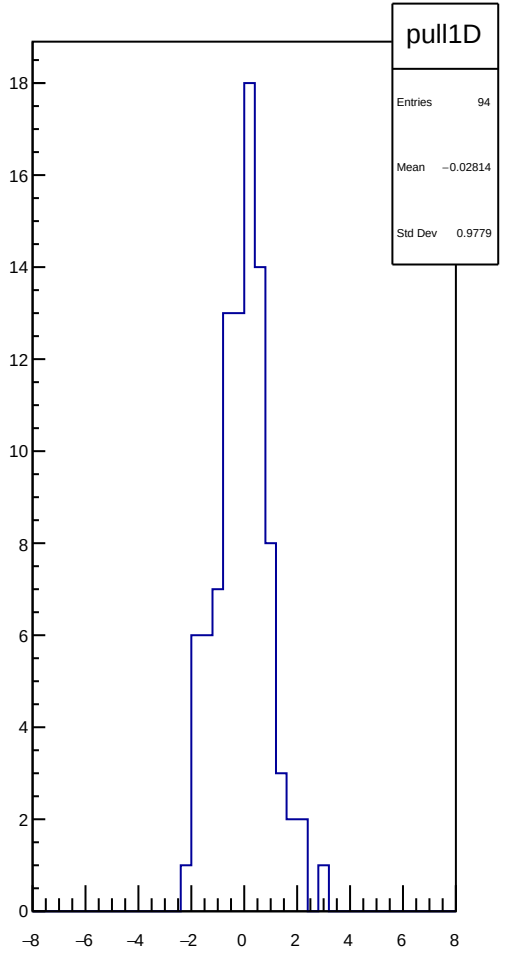

asym_at2_dd_rms vs run
χ^2 / ndf 1.603e+04 / 93
p0 3375 ± 2.538
8000
7000
6000
5000
4000
3000

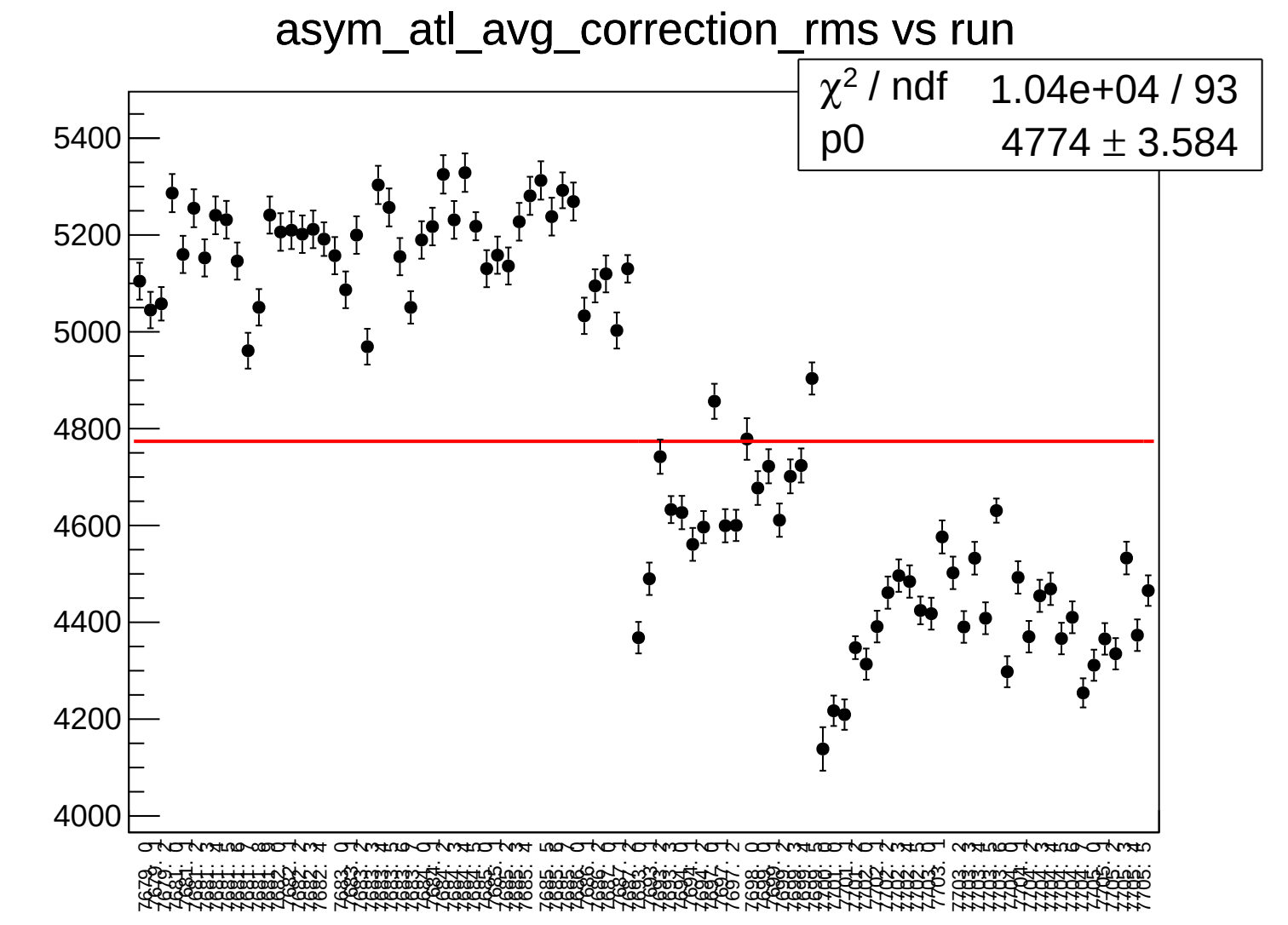

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 83.5 / 93
p0 −2212 ± 1882
pull
Entries 94
Mean −58.54
Std Dev 119.2

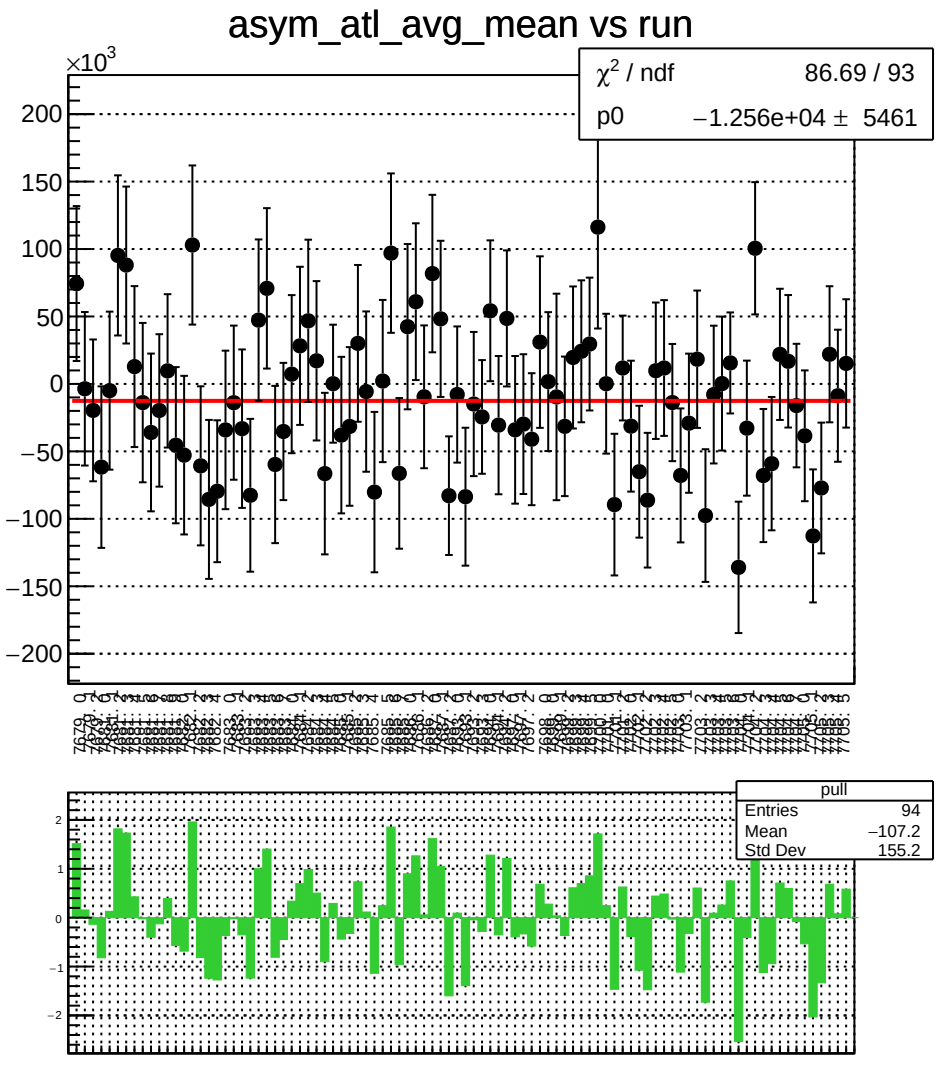

pull1D
Entries 94
Mean −0.01931
Std Dev 0.9423

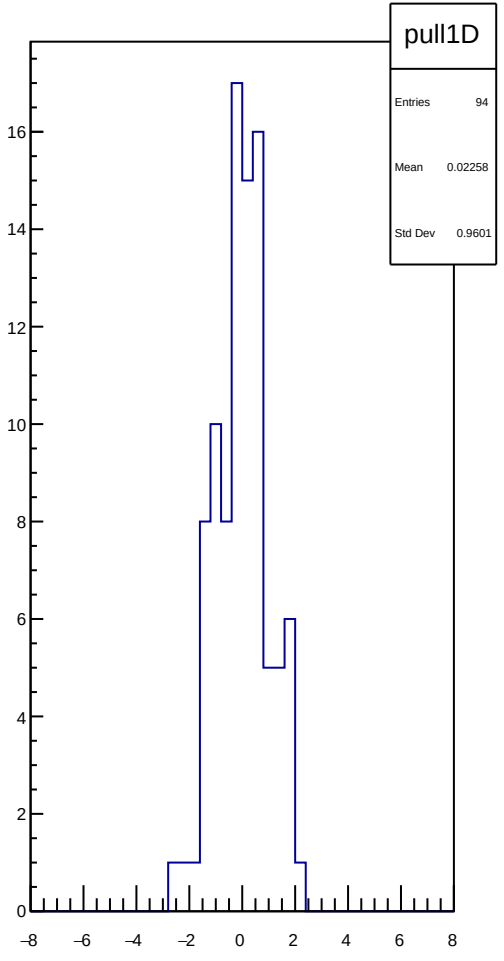

dit_asym_atl_avg_rms vs run
χ² / ndf 1.711e+04 / 93
p0 1769 ± 1.331
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

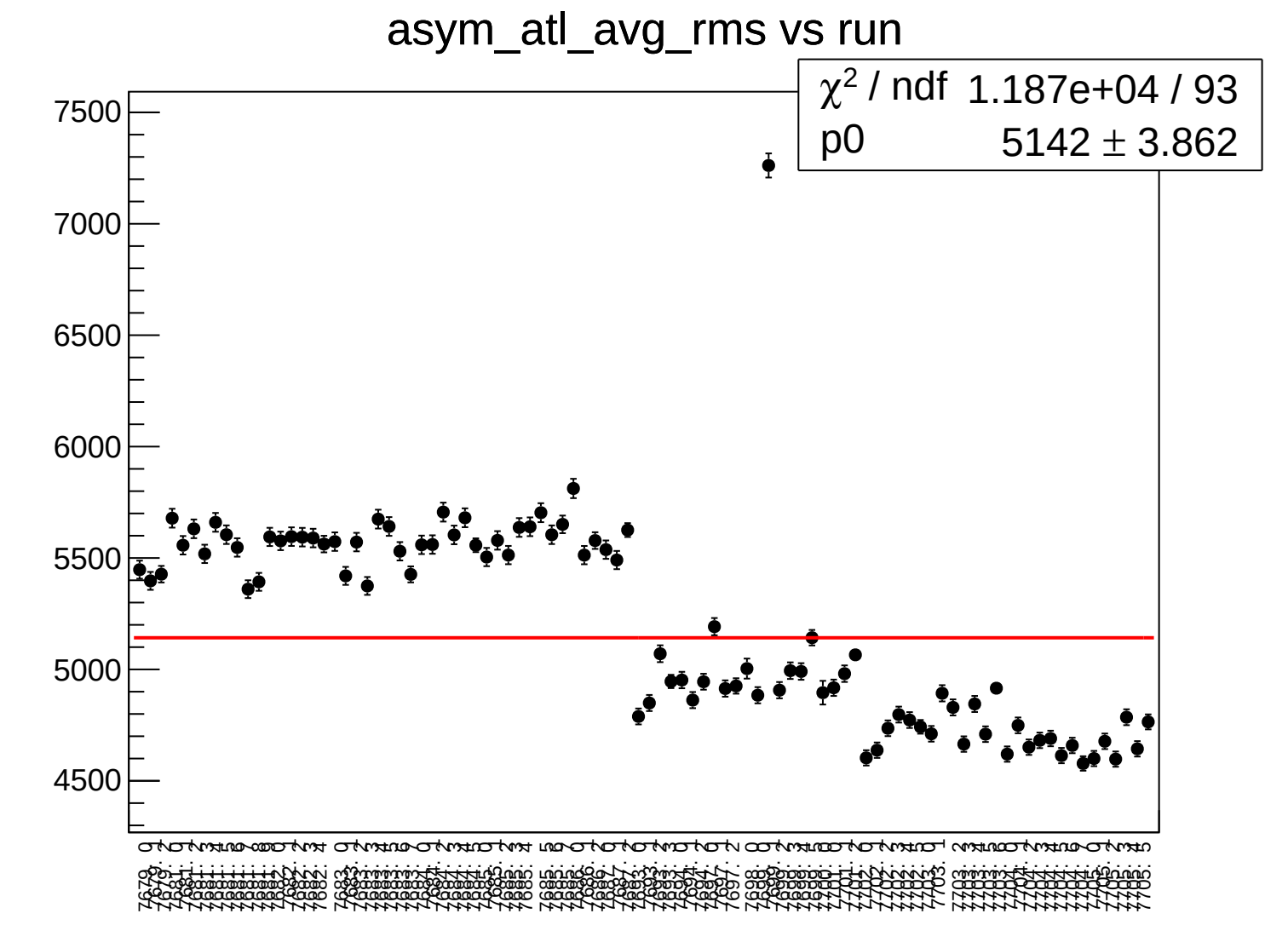

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 89.97 / 93
p0 9816 ± 5068
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean −109.7
Std Dev 160.7
3
2
1
0
−1
−2

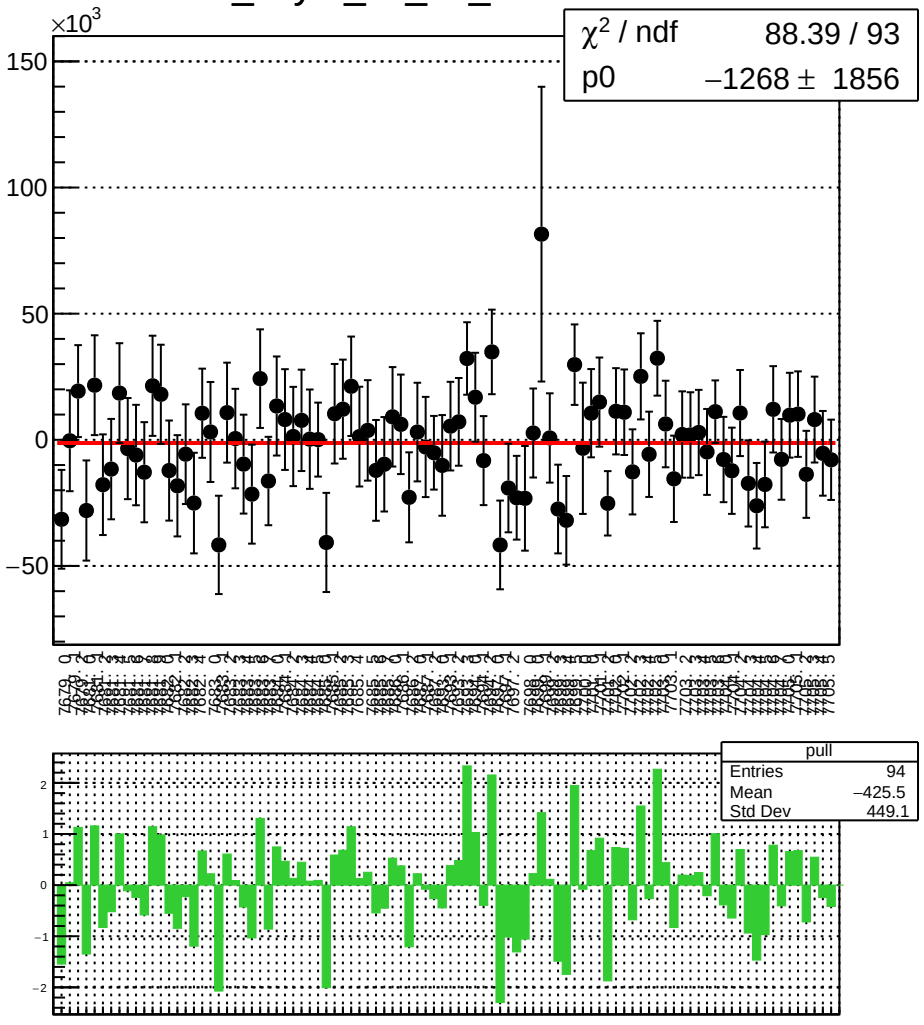

pull1D
Entries 94
Mean −0.02814
Std Dev 0.9779
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

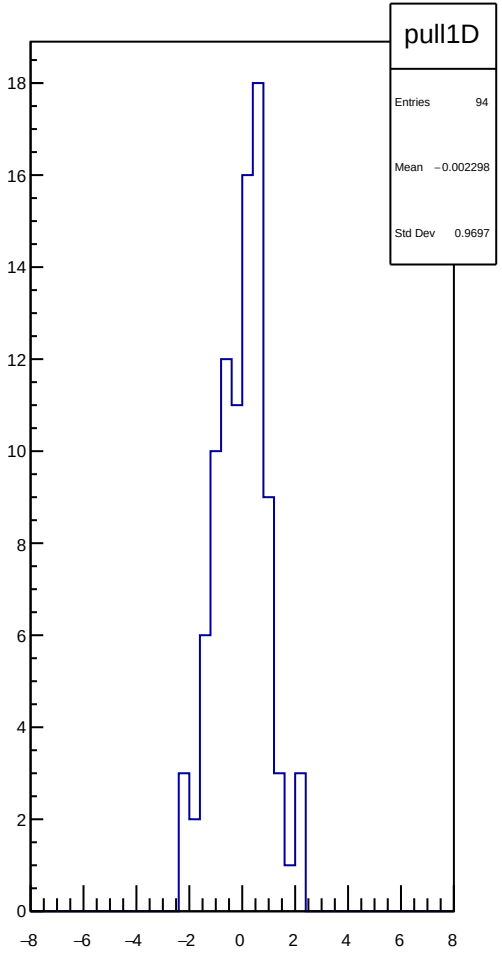

asym_atl_avg_correction_rms vs run
χ² / ndf 1.04e+04 / 93
p0 4774 ± 3.584
5400
5200
5000
4800
4600
4400
4200
4000

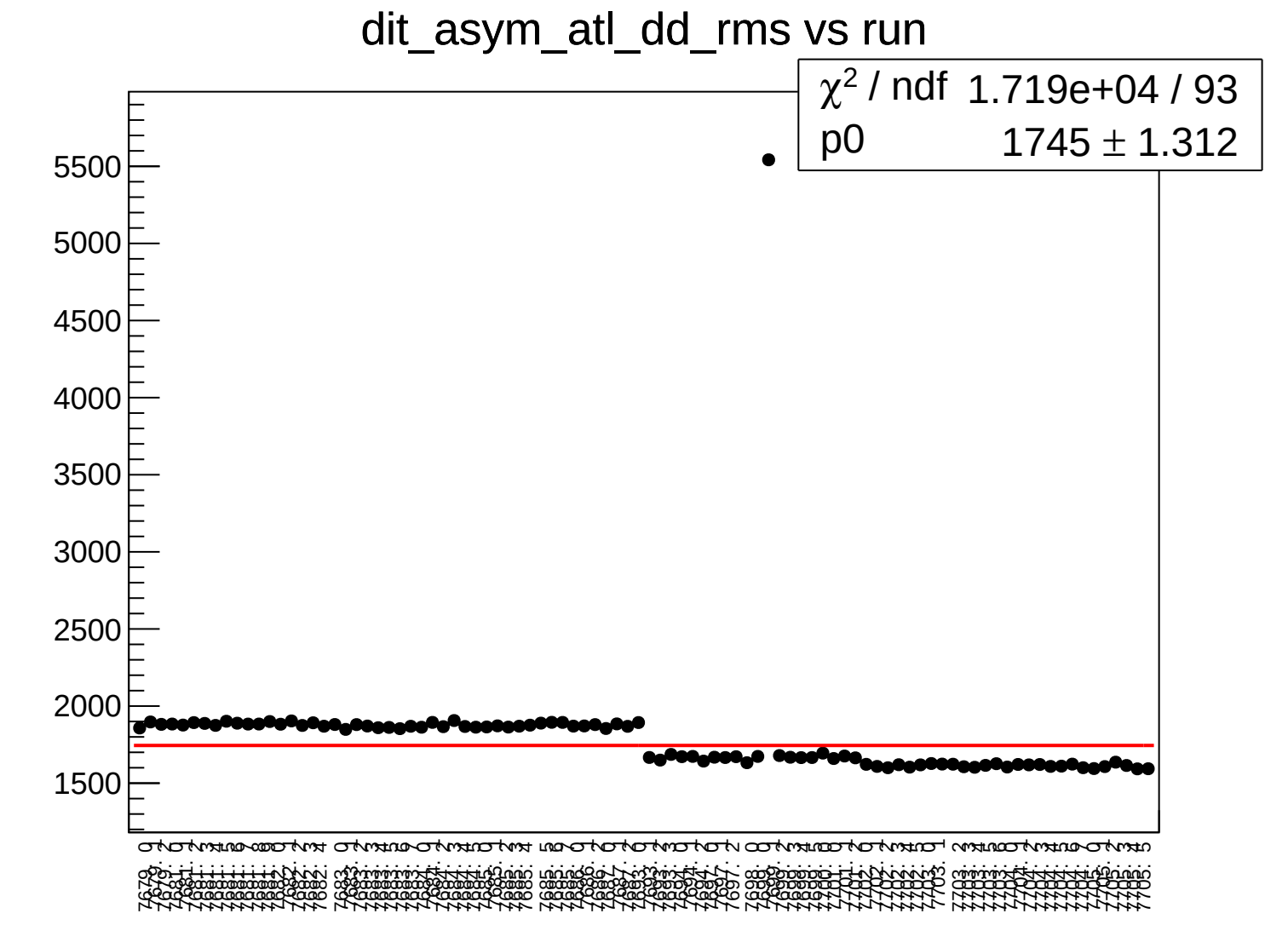

asym_atl_avg_mean vs run
×10^3
χ² / ndf 86.69 / 93
p0 −1.256e+04 ± 5461
pull
Entries 94
Mean −107.2
Std Dev 155.2

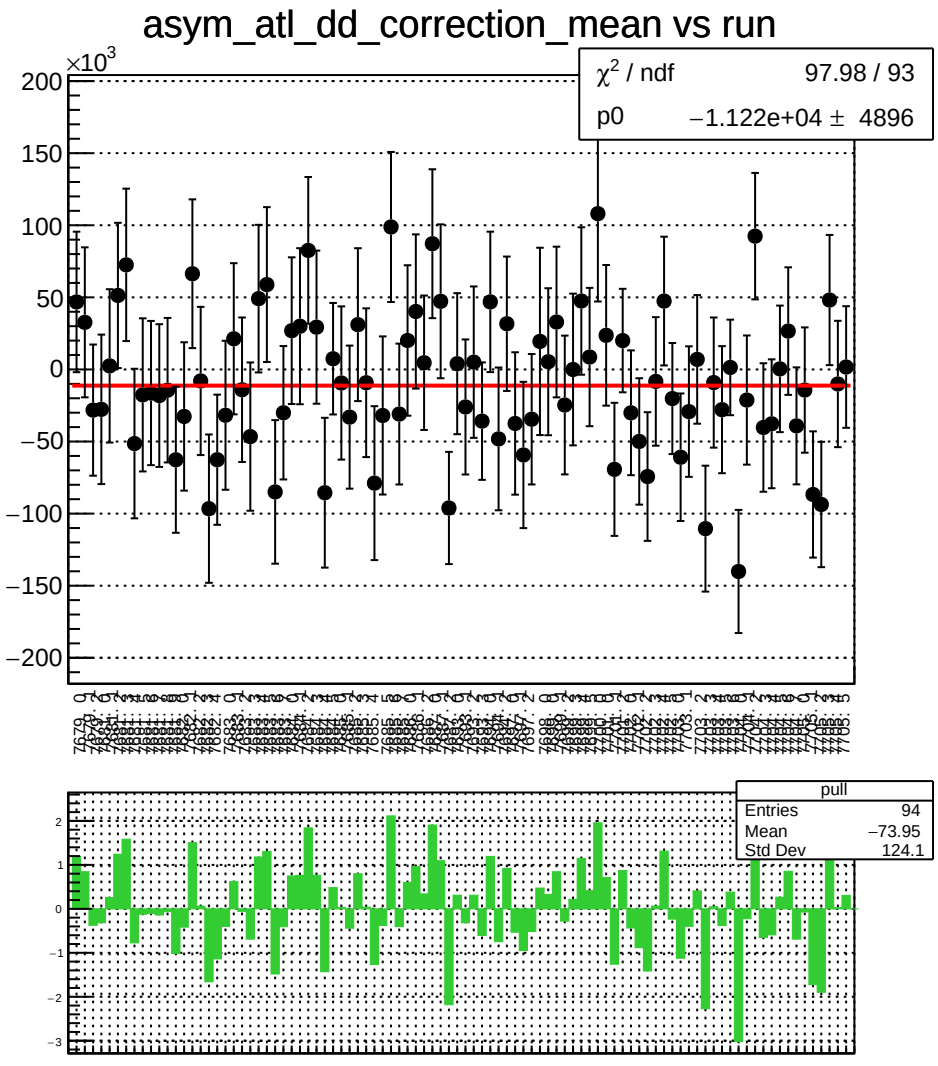

pull1D
Entries 94
Mean 0.02258
Std Dev 0.9601

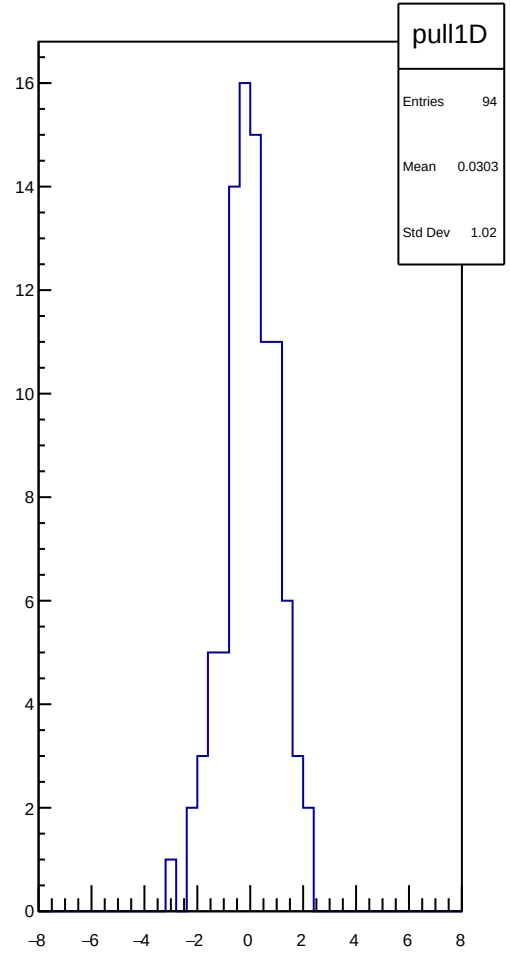

asym_atl_avg_rms vs run
χ^2 / ndf 1.187e+04 / 93
p0 5142 ± 3.862
7500
7000
6500
6000
5500
5000
4500

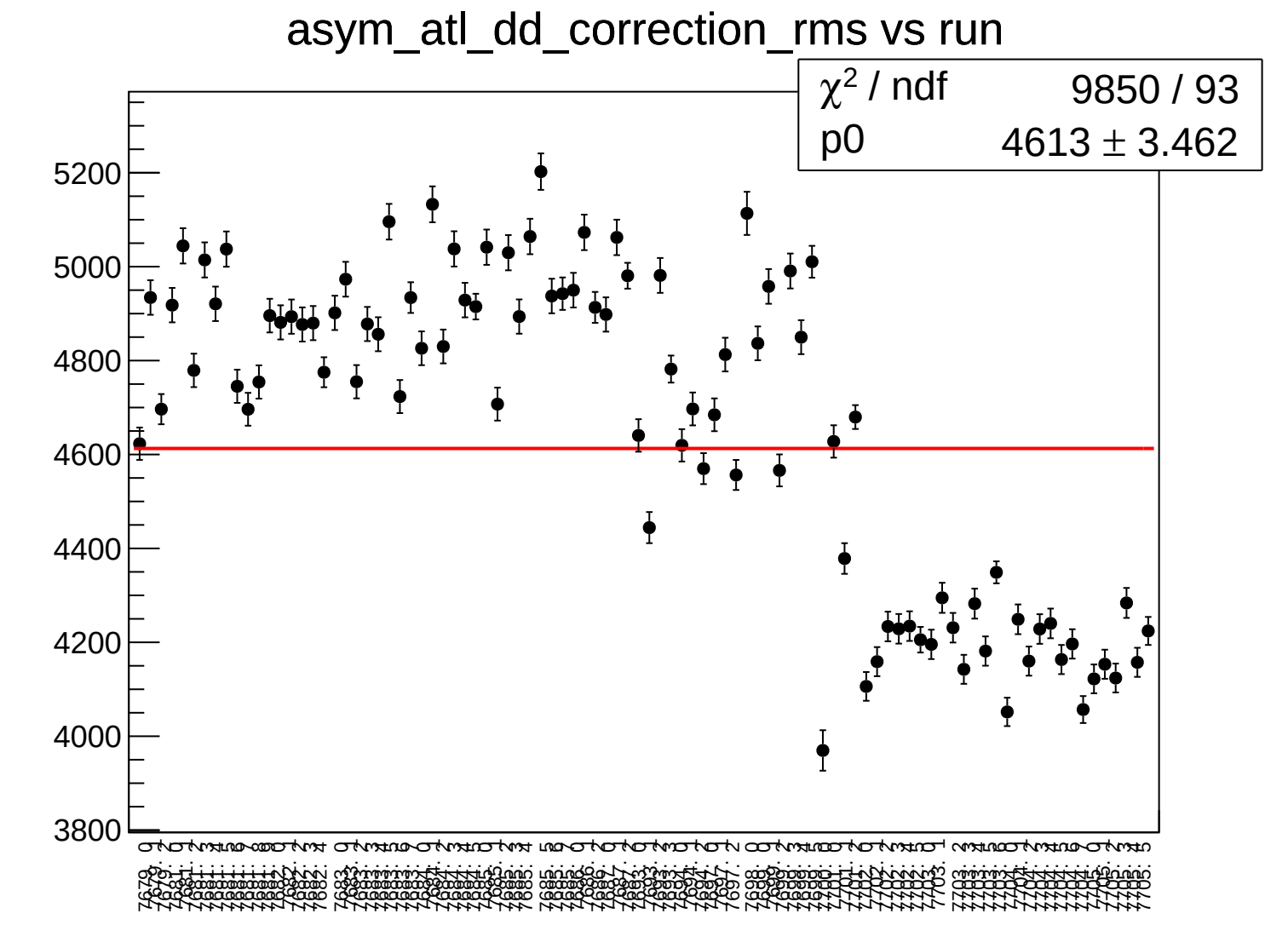

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 88.39 / 93
p0 −1268 ± 1856
150
100
50
0
−50
pull
Entries 94
Mean −425.5
Std Dev 449.1
2
1
0
−1
−2

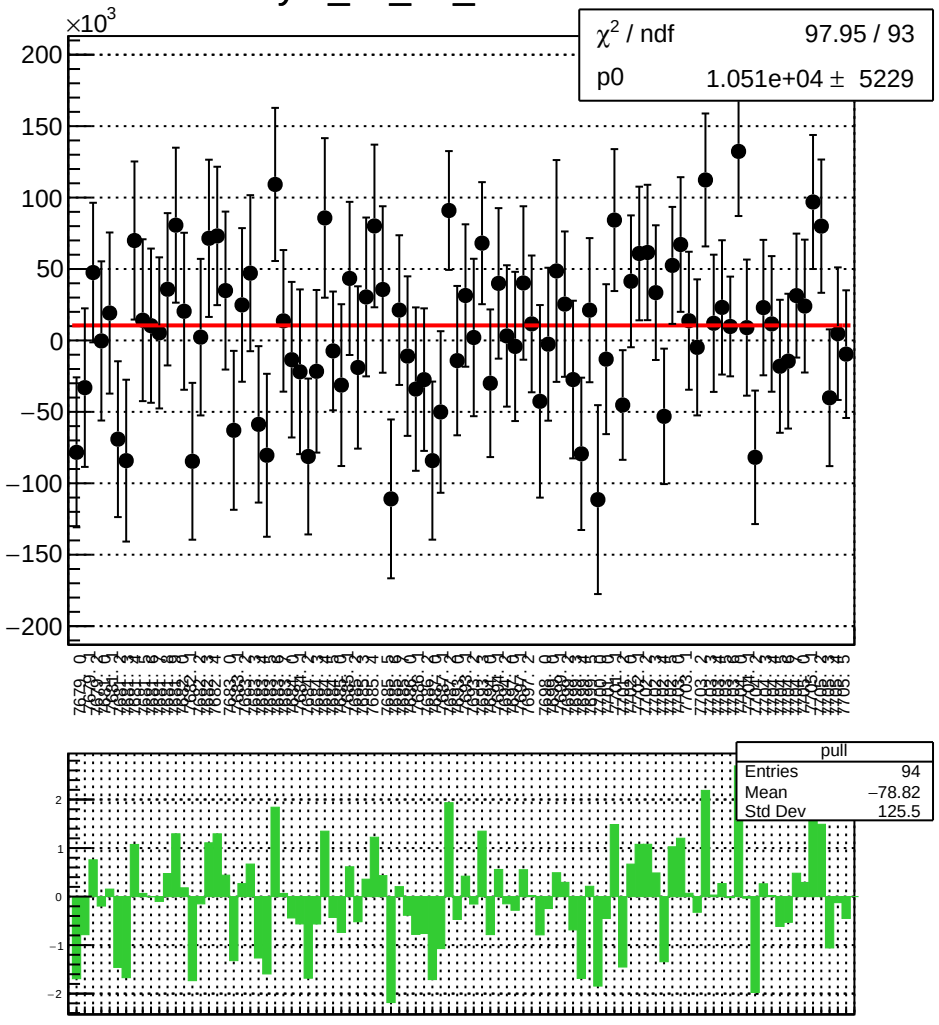

pull1D
Entries 94
Mean −0.002298
Std Dev 0.9697
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

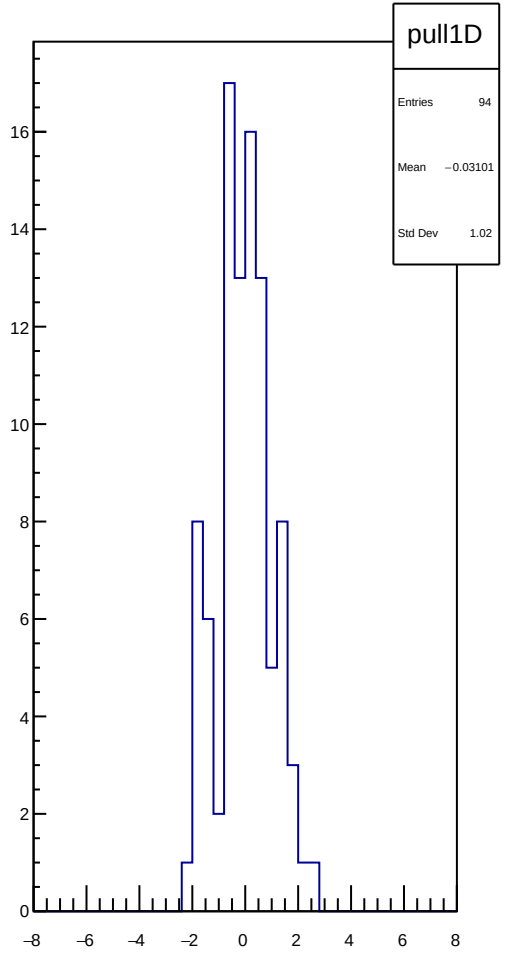

dit_asym_atl_dd_rms vs run
χ² / ndf 1.719e+04 / 93
p0 1745 ± 1.312
5500
5000
4500
4000
3500
3000
2500
2000
1500

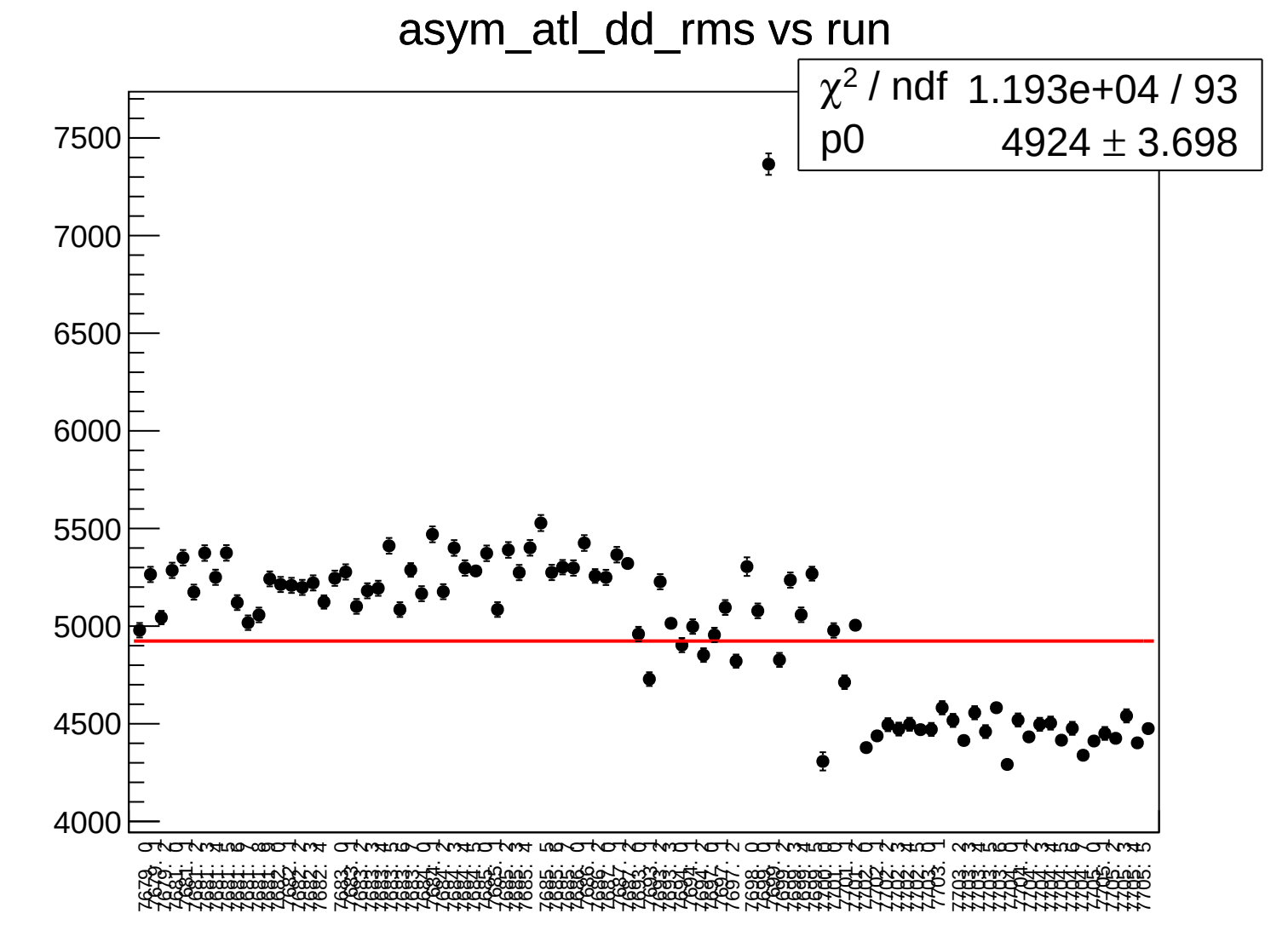

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 97.98 / 93
p0 −1.122e+04 ± 4896
pull
Entries 94
Mean −73.95
Std Dev 124.1

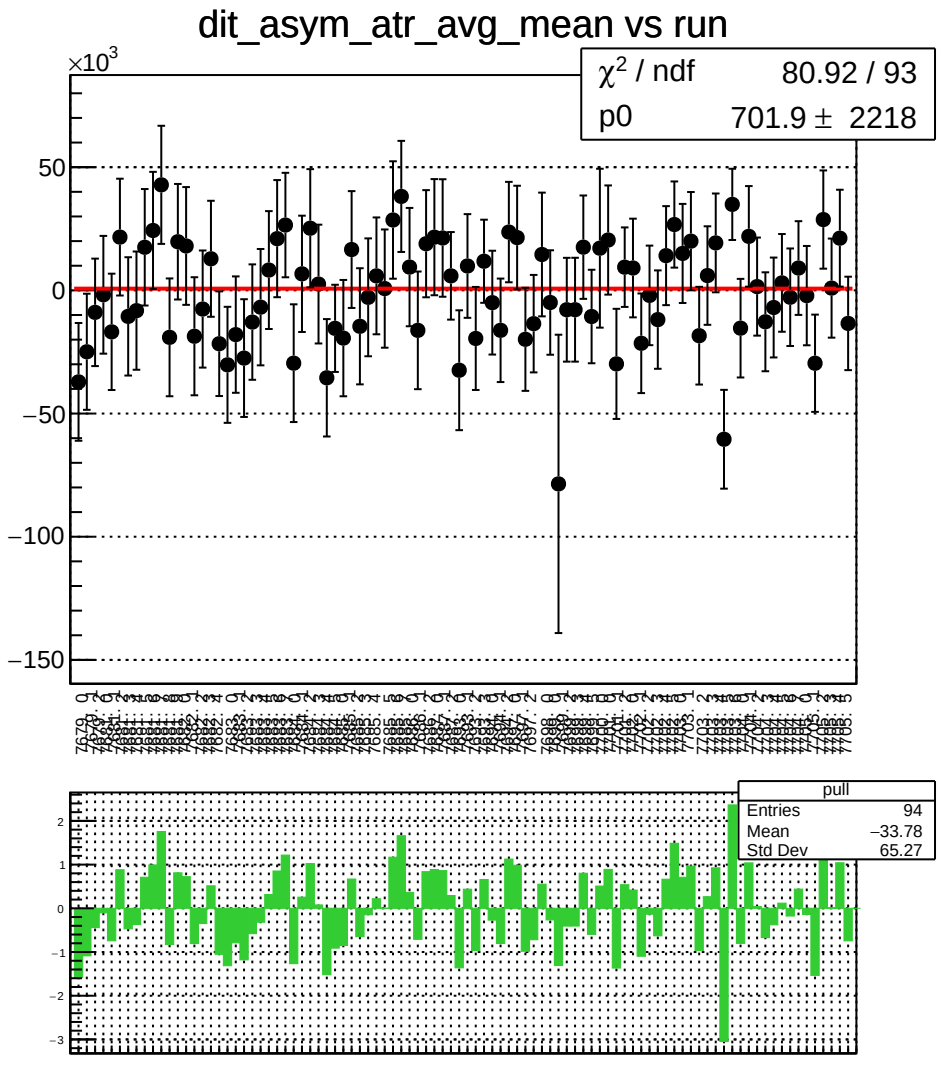

pull1D
Entries 94
Mean 0.0303
Std Dev 1.02

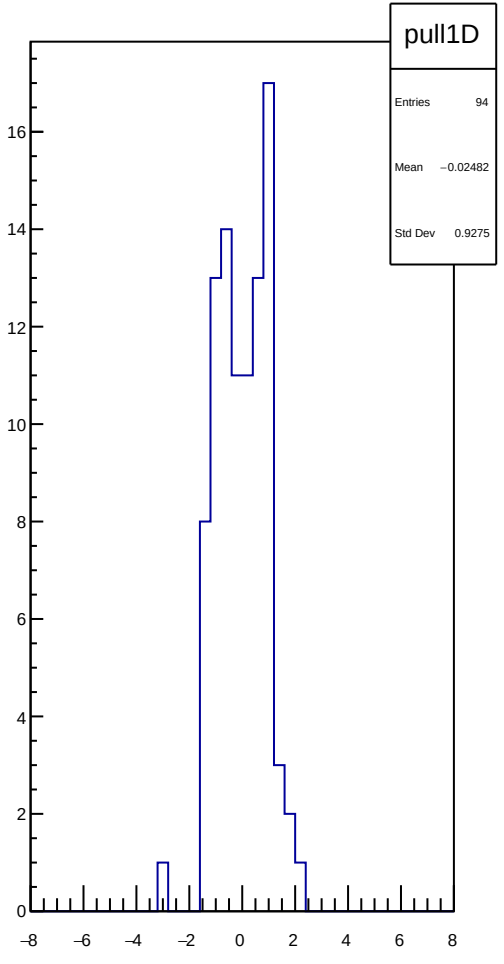

asym_atl_dd_correction_rms vs run
χ^2 / ndf 9850 / 93
p0 4613 ± 3.462
5200
5000
4800
4600
4400
4200
4000
3800

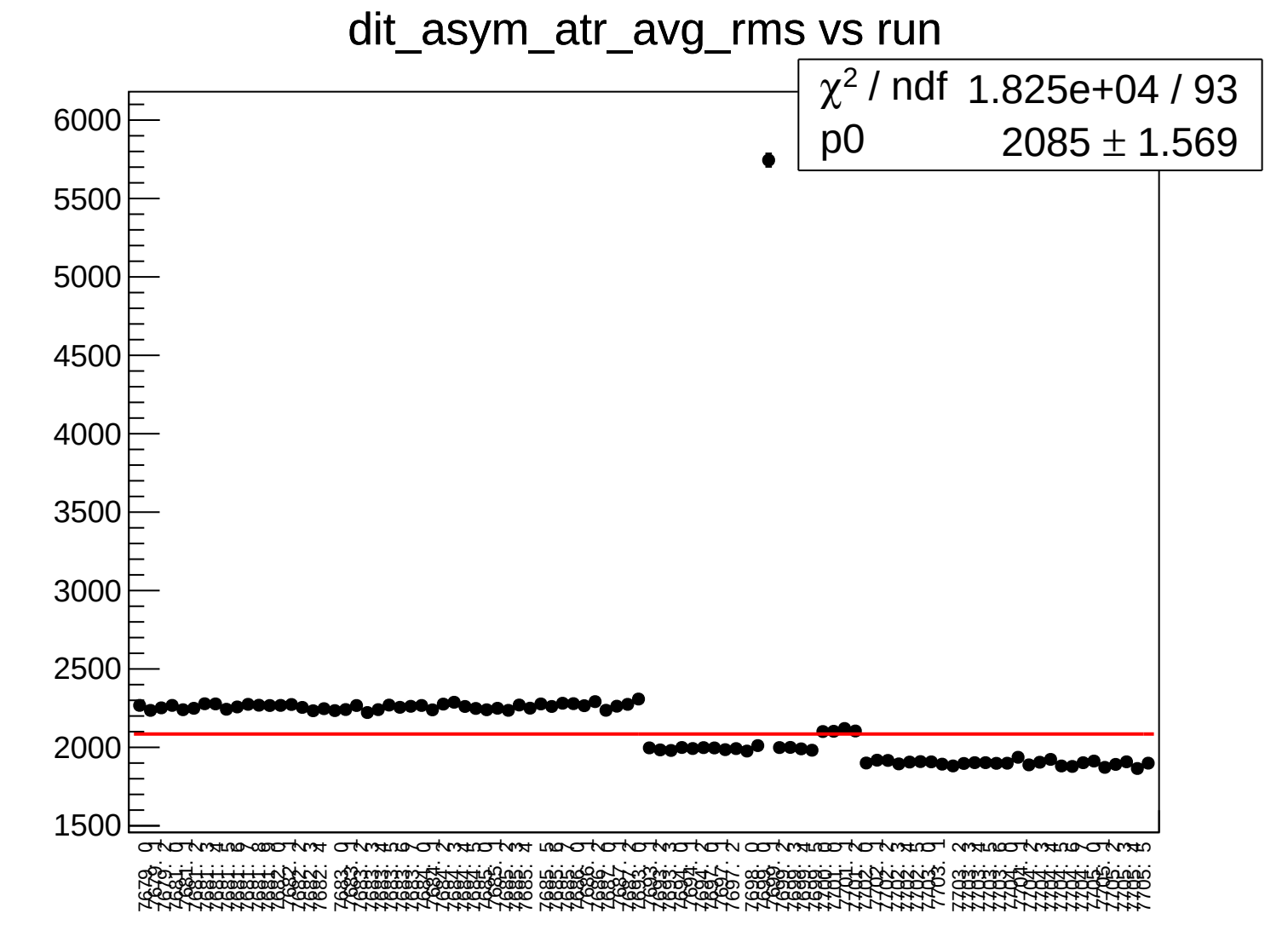

asym_atl_dd_mean vs run
×10^3
χ² / ndf 97.95 / 93
p0 1.051e+04 ± 5229
pull
Entries 94
Mean −78.82
Std Dev 125.5

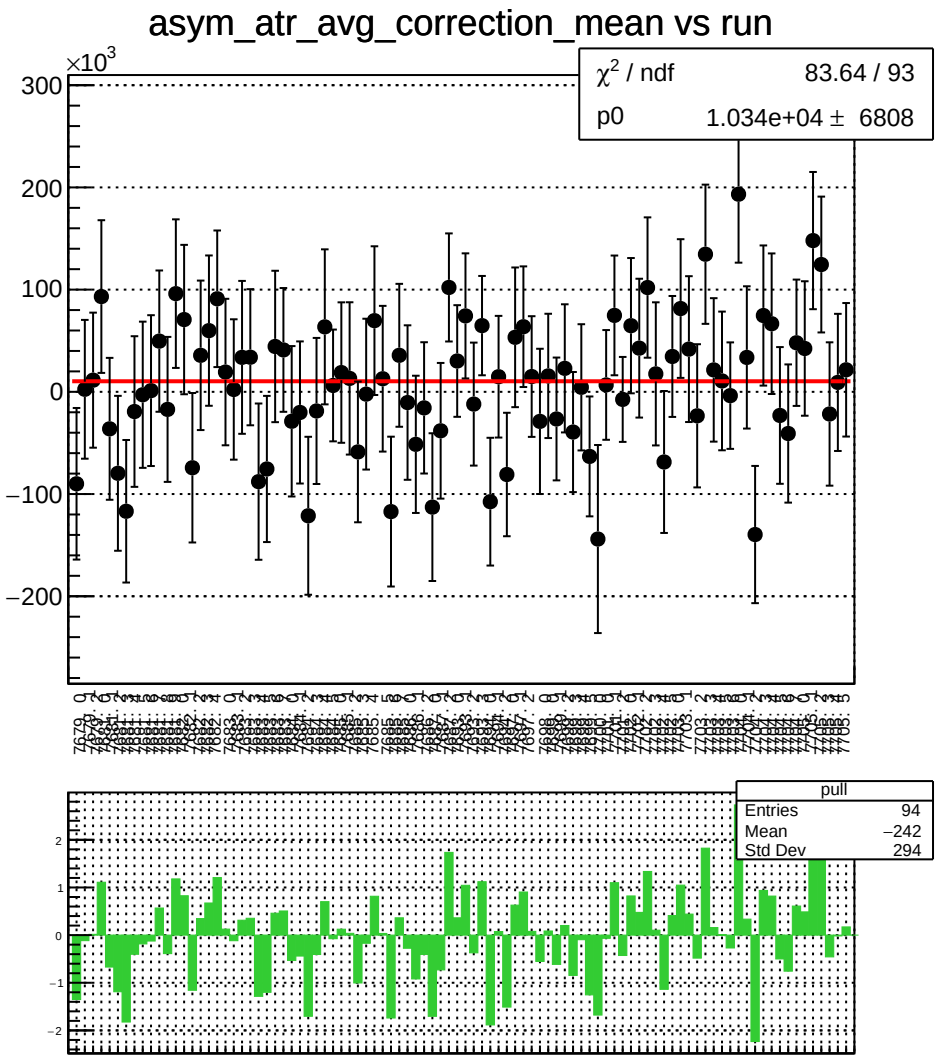

pull1D
Entries 94
Mean −0.03101
Std Dev 1.02

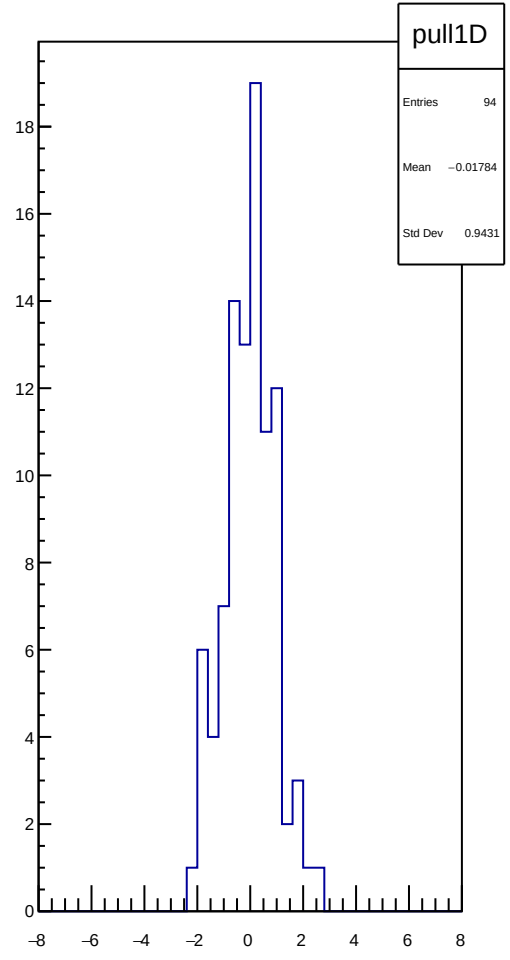

asym_atl_dd_rms vs run
χ^2 / ndf 1.193e+04 / 93
p0 4924 ± 3.698
7500
7000
6500
6000
5500
5000
4500
4000

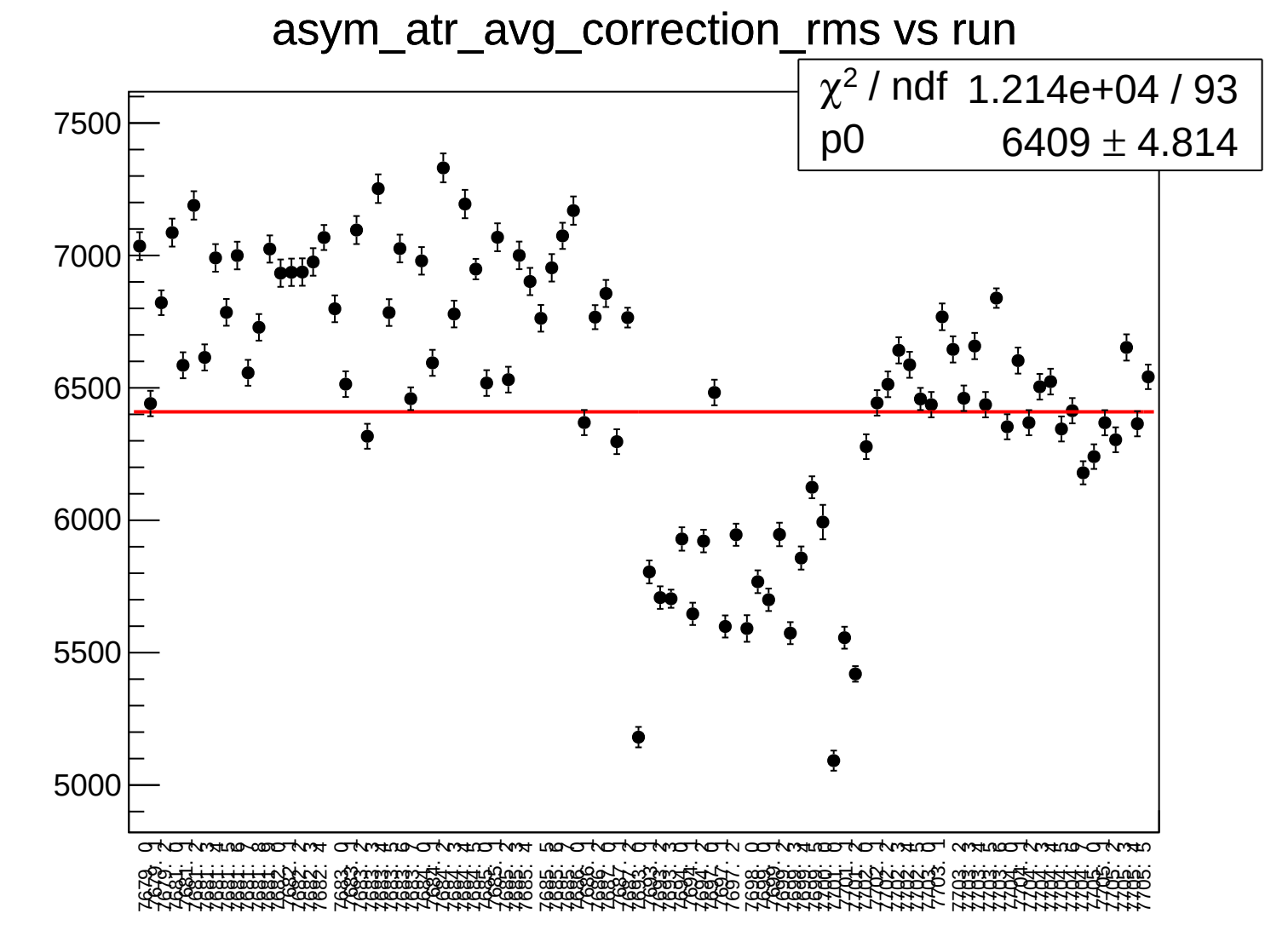

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 80.92 / 93
p0 701.9 ± 2218
50
0
−50
−100
−150
pull
Entries 94
Mean −33.78
Std Dev 65.27
2
1
0
−1
−2
−3

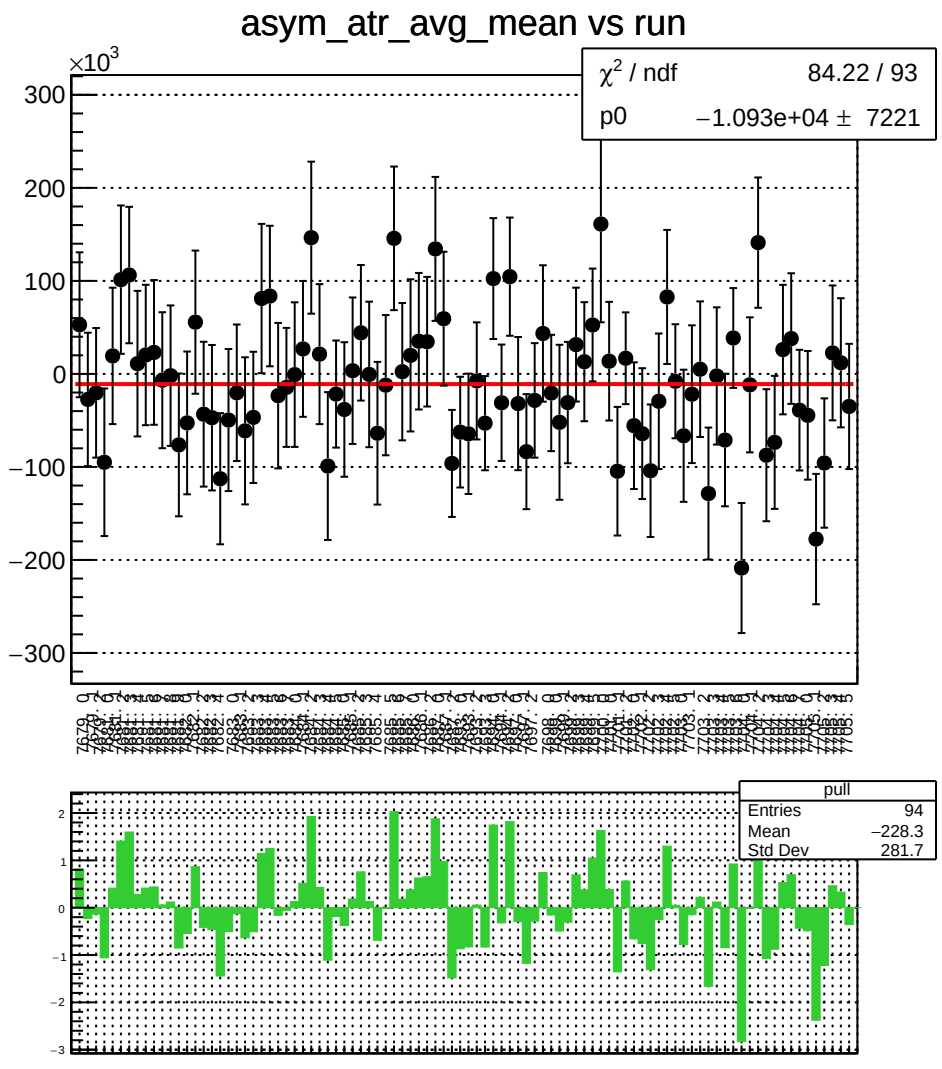

pull1D
Entries 94
Mean −0.02482
Std Dev 0.9275
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

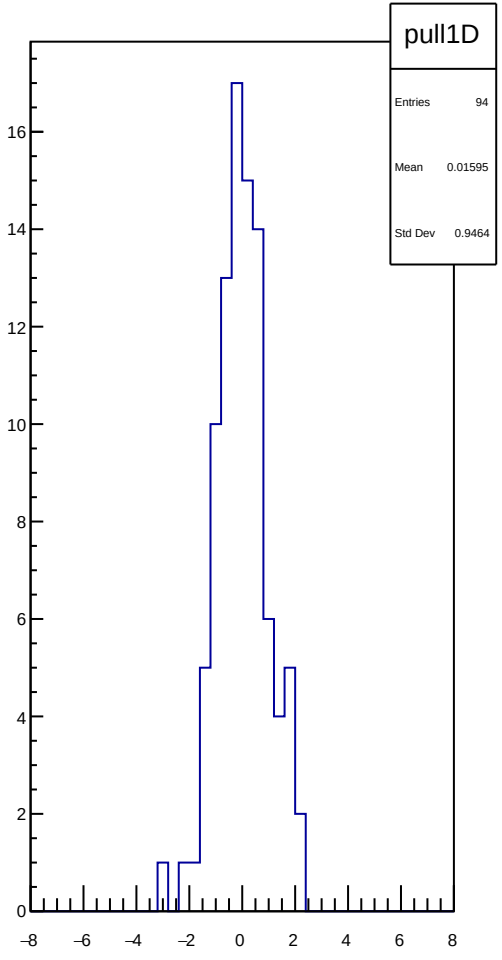

dit_asym_atr_avg_rms vs run
χ² / ndf 1.825e+04 / 93
p0 2085 ± 1.569
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

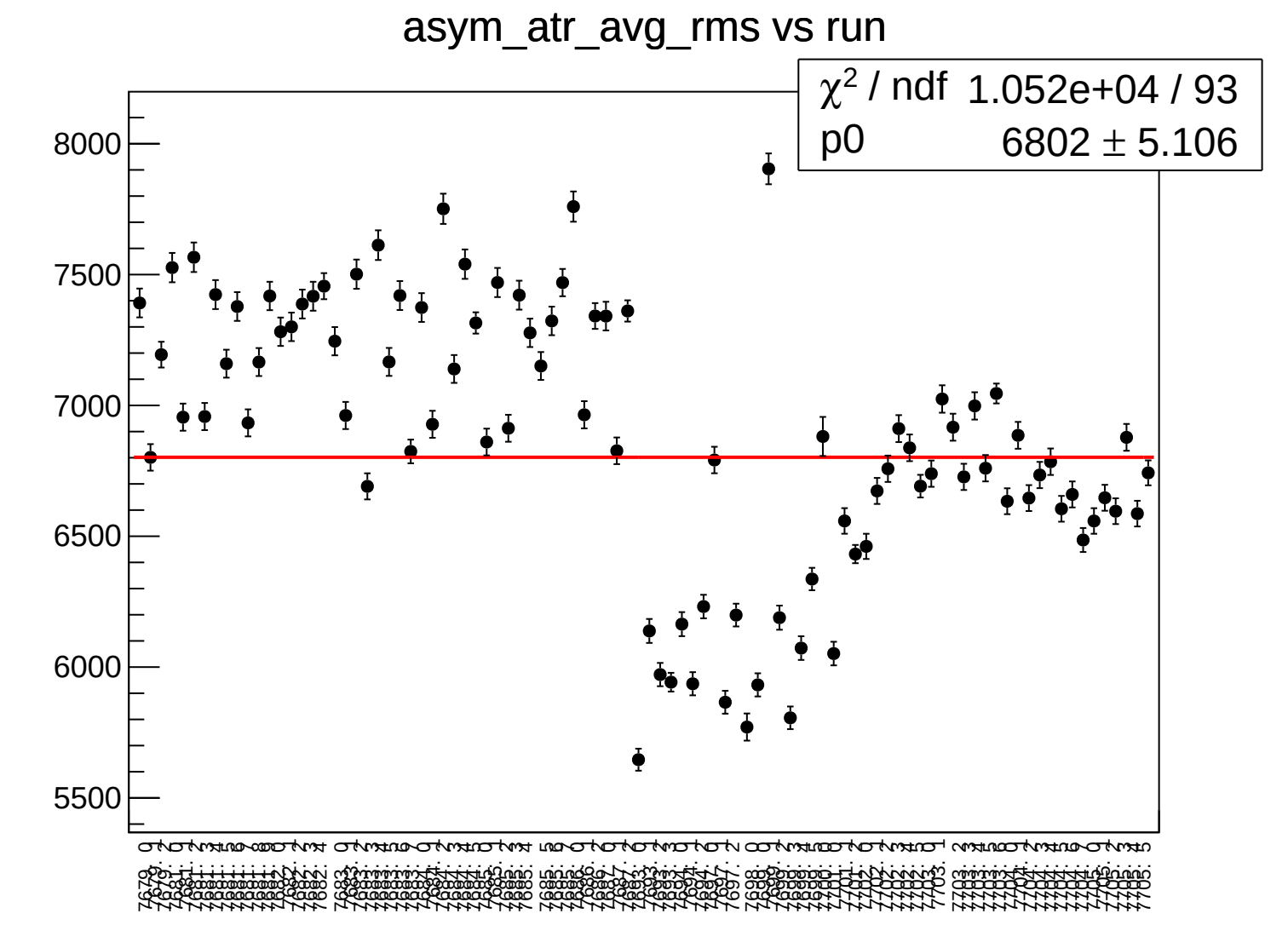

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 83.64 / 93
p0 1.034e+04 ± 6808
pull
Entries 94
Mean −242
Std Dev 294

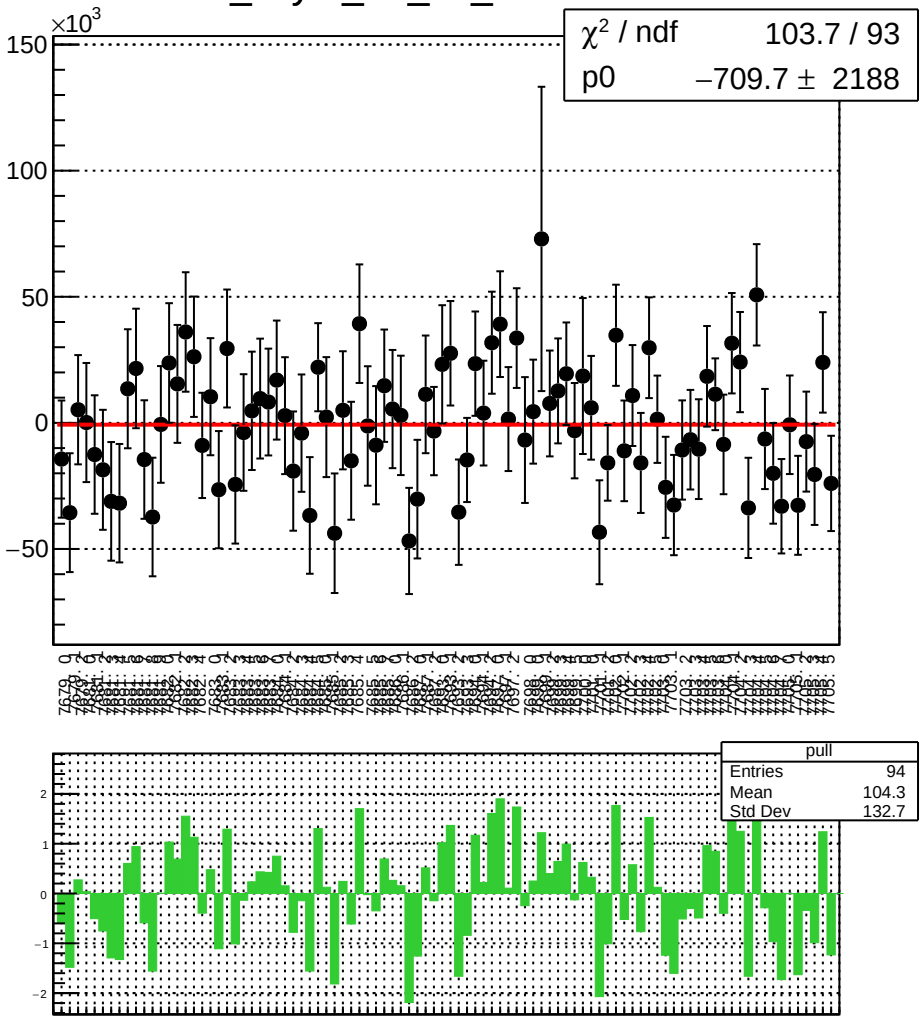

pull1D
Entries 94
Mean −0.01784
Std Dev 0.9431

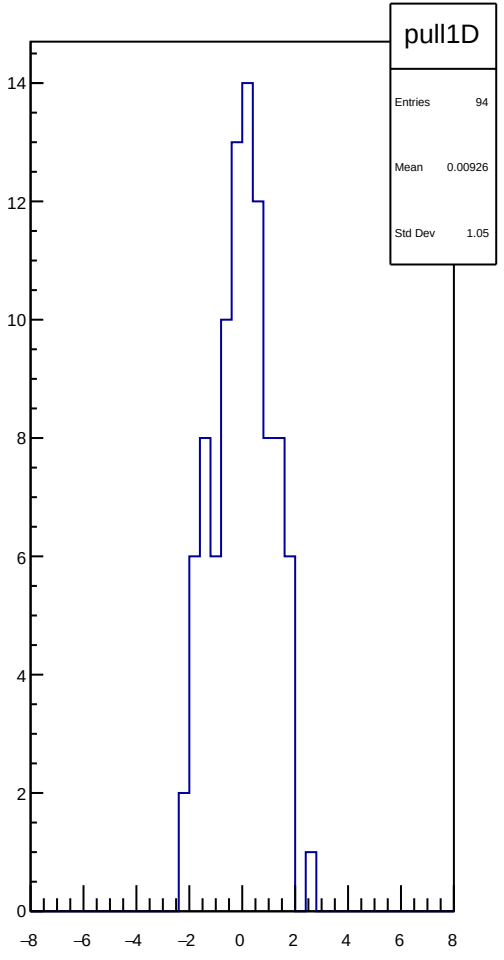

asym_atr_avg_correction_rms vs run
χ² / ndf 1.214e+04 / 93
p0 6409 ± 4.814
7500
7000
6500
6000
5500
5000

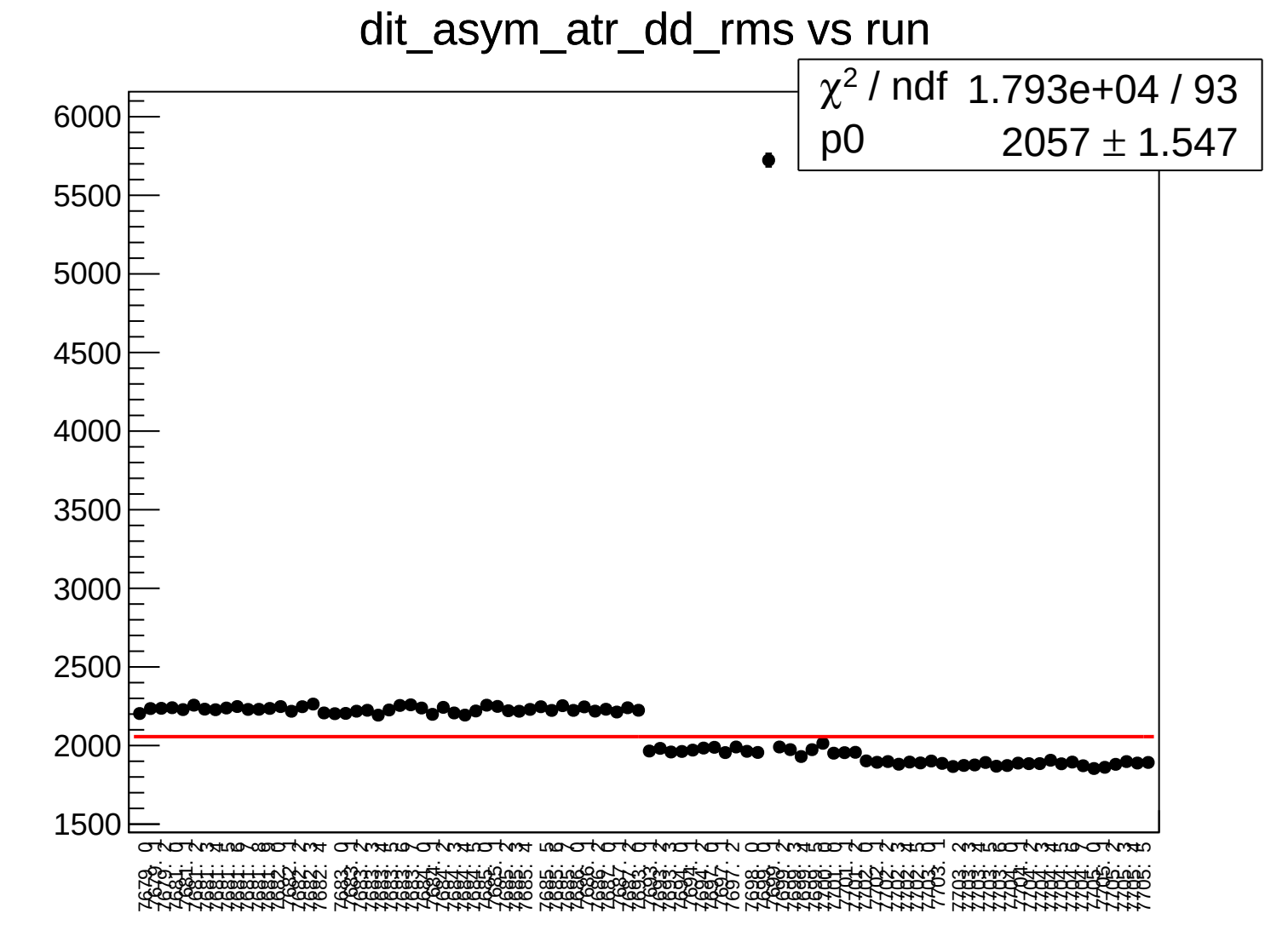

asym_atr_avg_mean vs run
×10^3
χ² / ndf 84.22 / 93
p0 −1.093e+04 ± 7221
pull
Entries 94
Mean −228.3
Std Dev 281.7

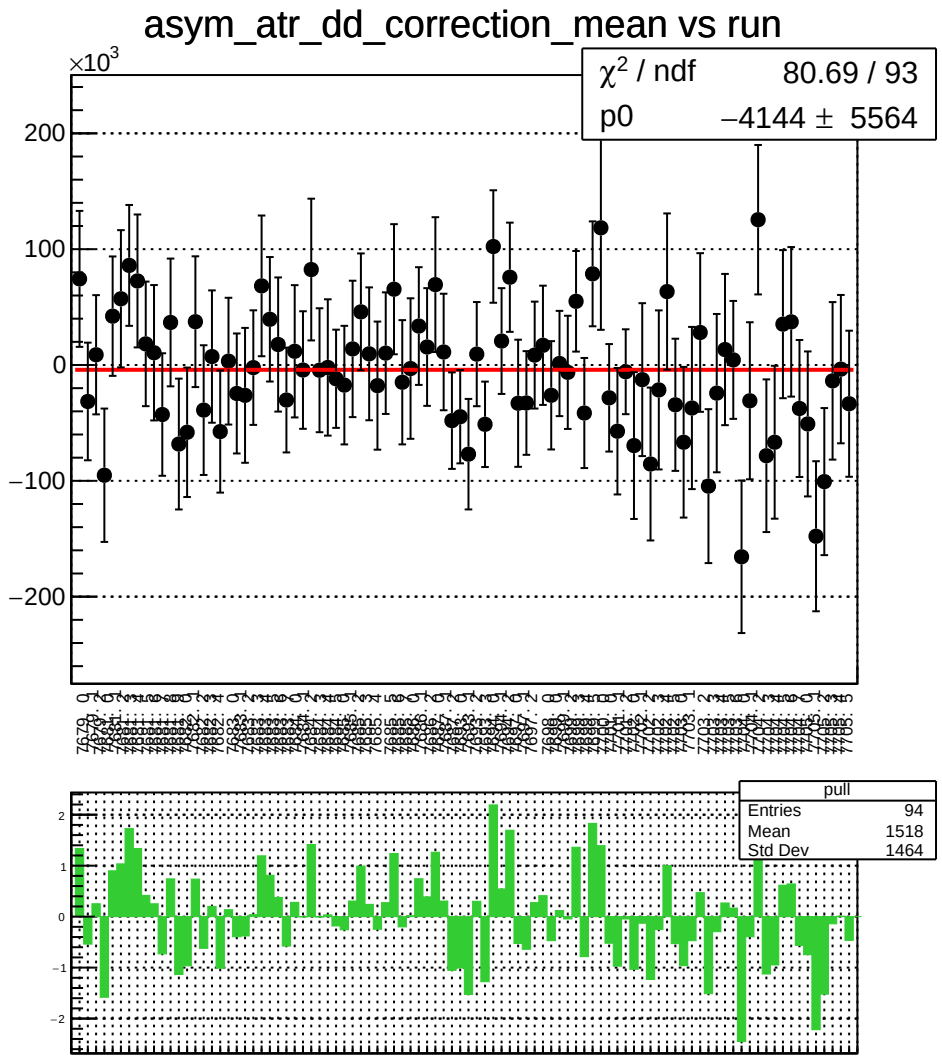

pull1D
Entries 94
Mean 0.01595
Std Dev 0.9464

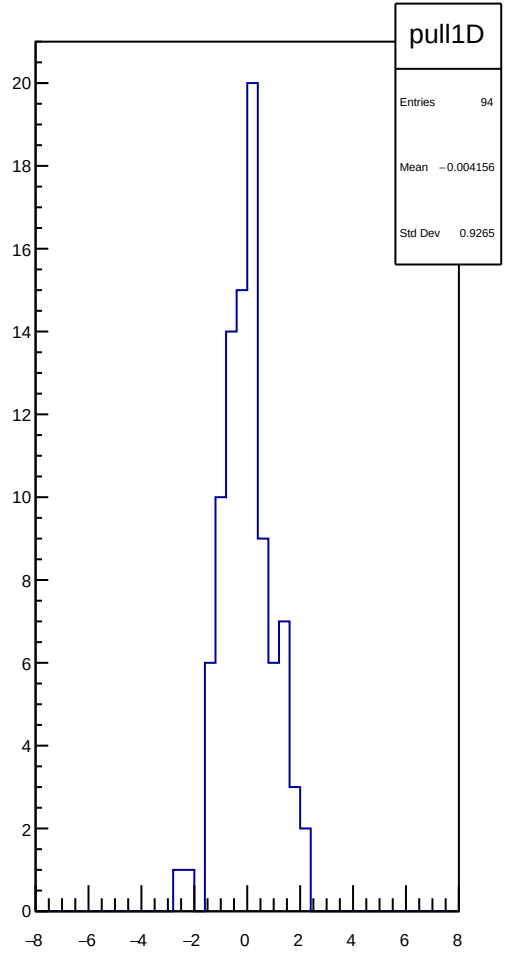

asym_atr_avg_rms vs run
χ² / ndf 1.052e+04 / 93
p0 6802 ± 5.106
8000
7500
7000
6500
6000
5500

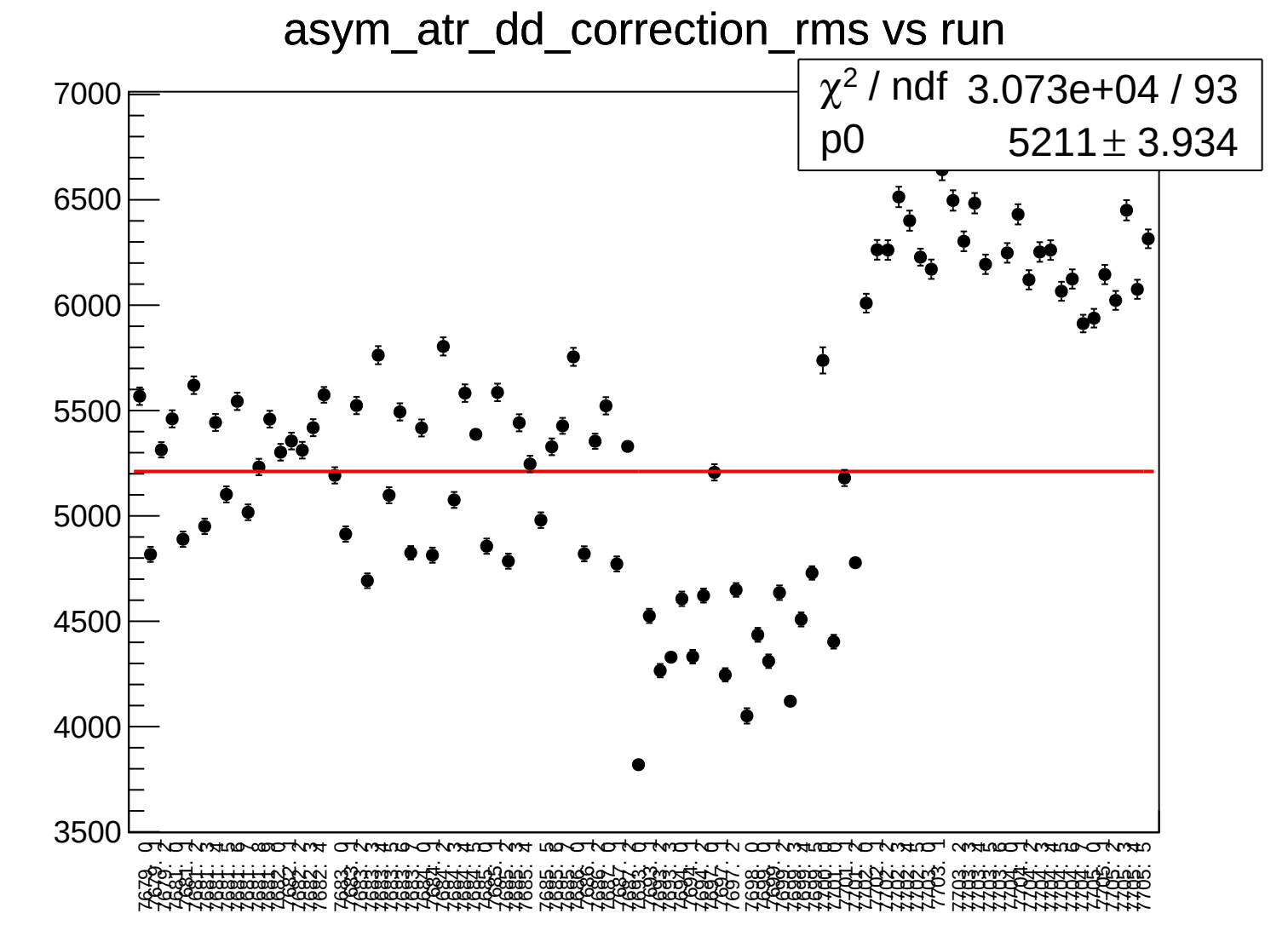

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 103.7 / 93
p0 −709.7 ± 2188
150
100
50
0
−50
pull
Entries 94
Mean 104.3
Std Dev 132.7
2
1
0
−1
−2

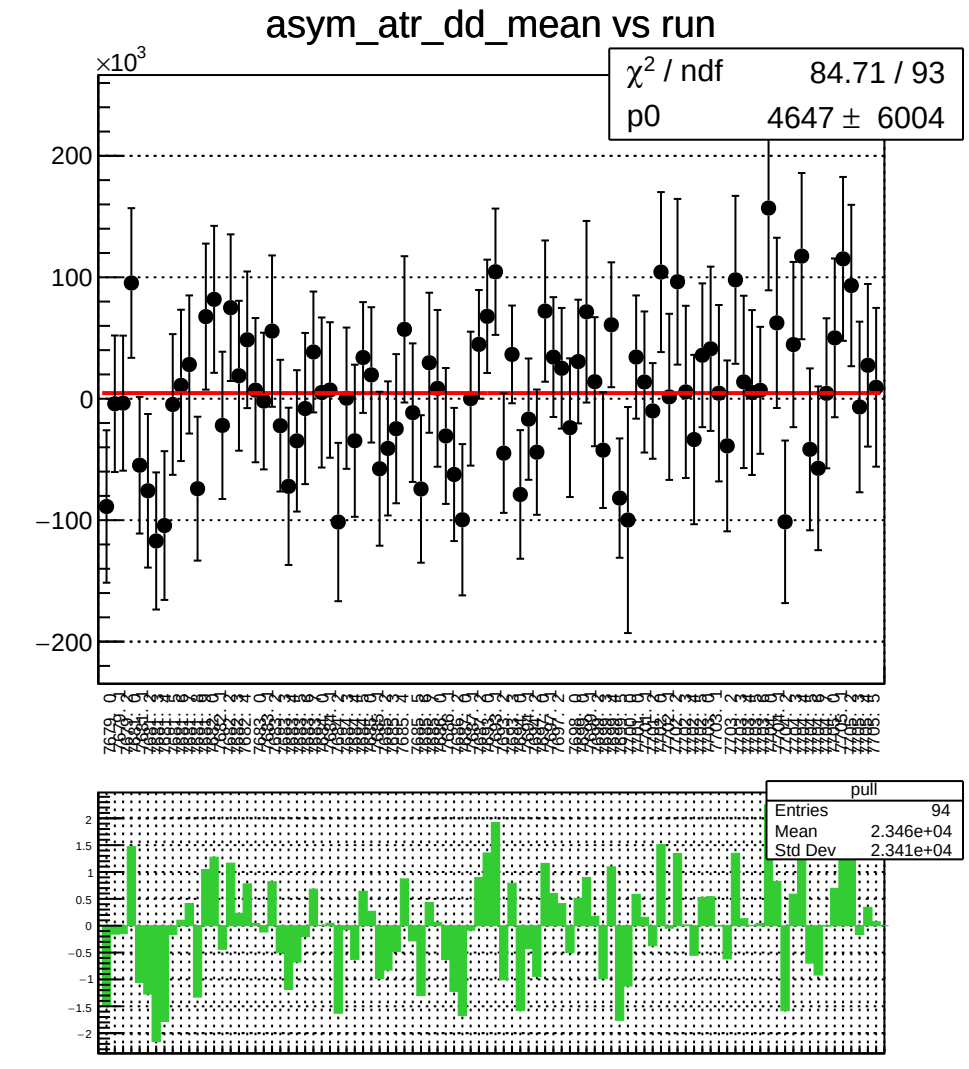

pull1D
Entries 94
Mean 0.00926
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

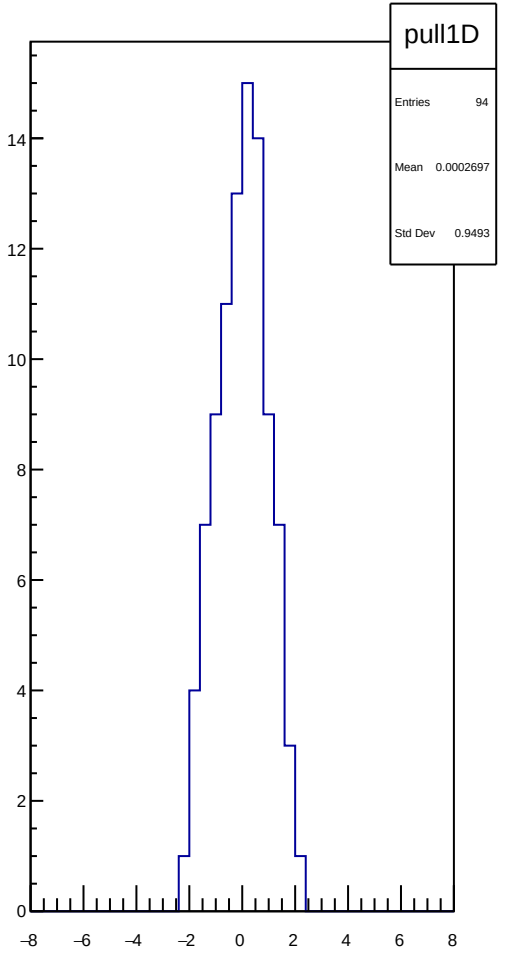

dit_asym_atr_dd_rms vs run
χ² / ndf 1.793e+04 / 93
p0 2057 ± 1.547
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

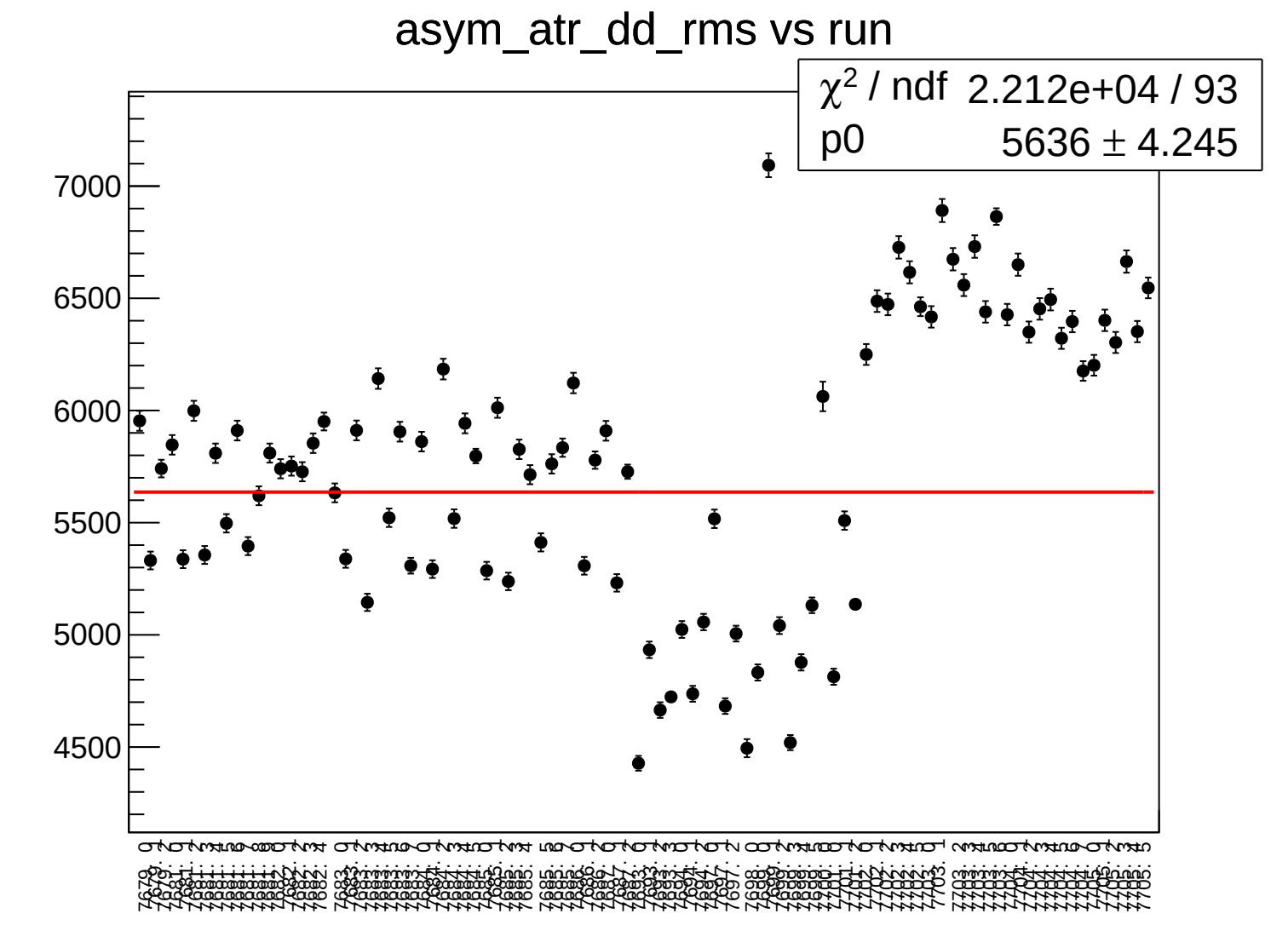

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 80.69 / 93
p0 −4144 ± 5564
200
100
0
−100
−200
pull
Entries 94
Mean 1518
Std Dev 1464
2
1
0
−1
−2

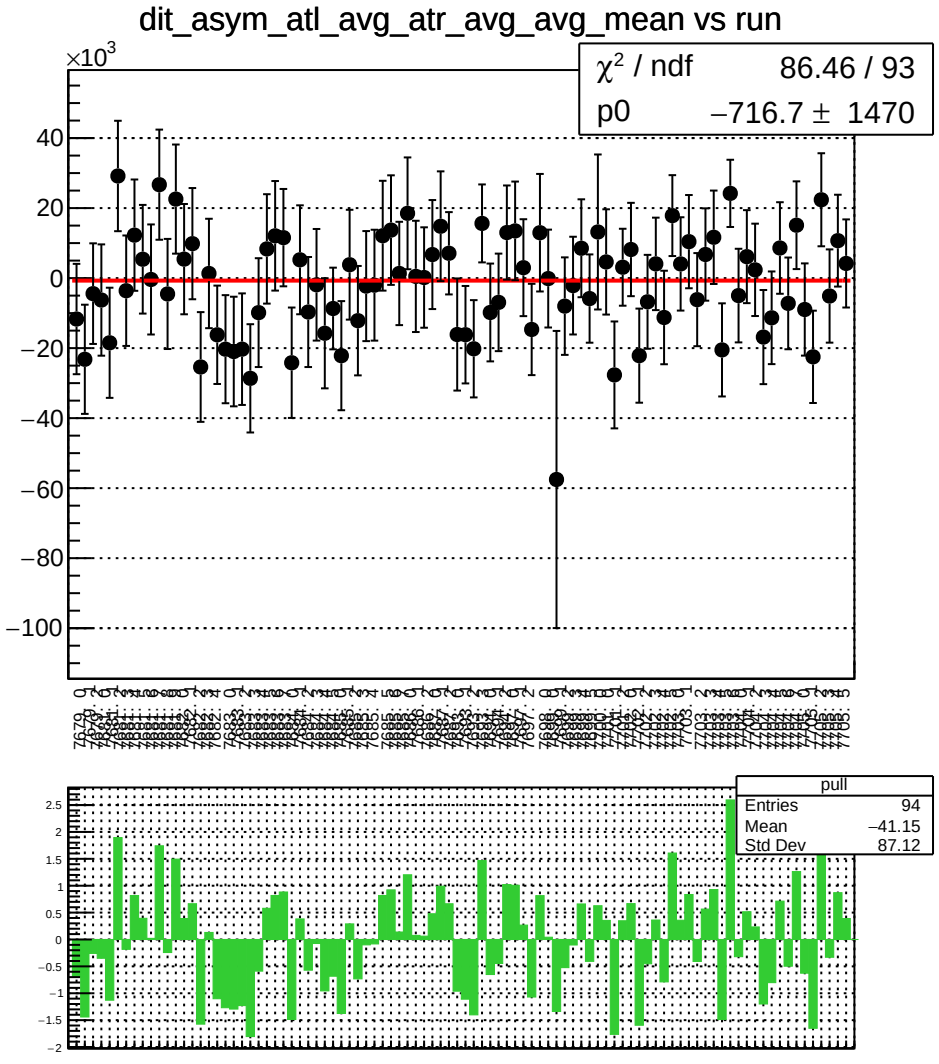

pull1D
Entries 94
Mean −0.004156
Std Dev 0.9265
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

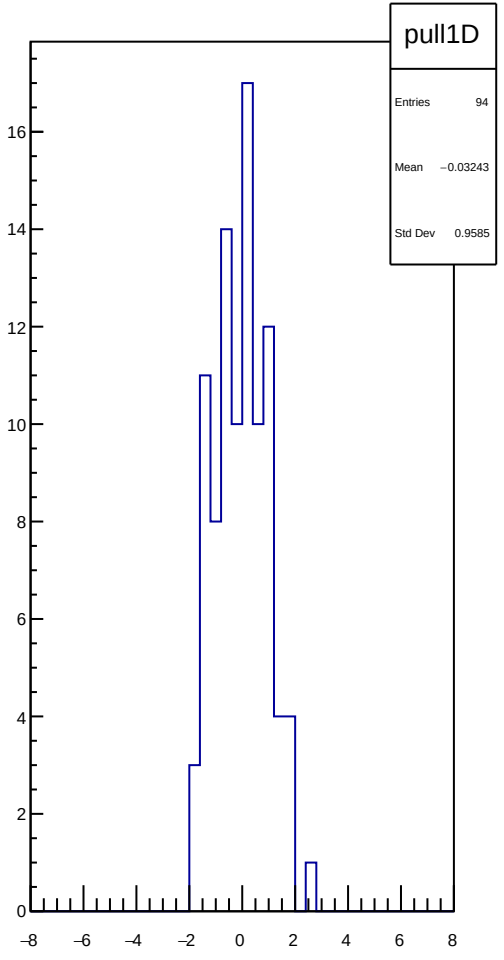

asym_atr_dd_correction_rms vs run
χ² / ndf 3.073e+04 / 93
p0 5211 ± 3.934
7000
6500
6000
5500
5000
4500
4000
3500

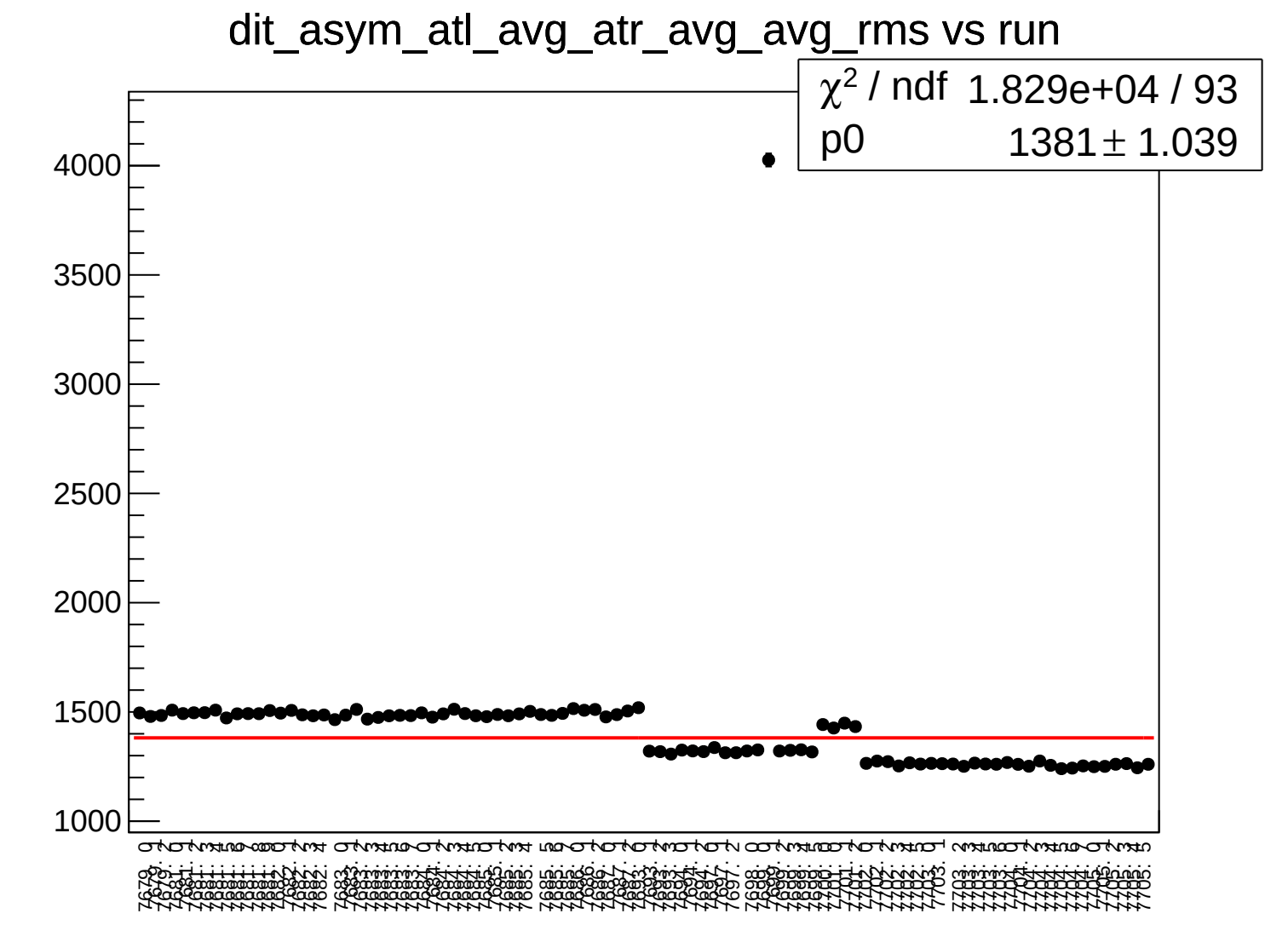

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 84.71 / 93
p0 4647 ± 6004
200
100
0
−100
−200
pull
Entries 94
Mean 2.346e+04
Std Dev 2.341e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

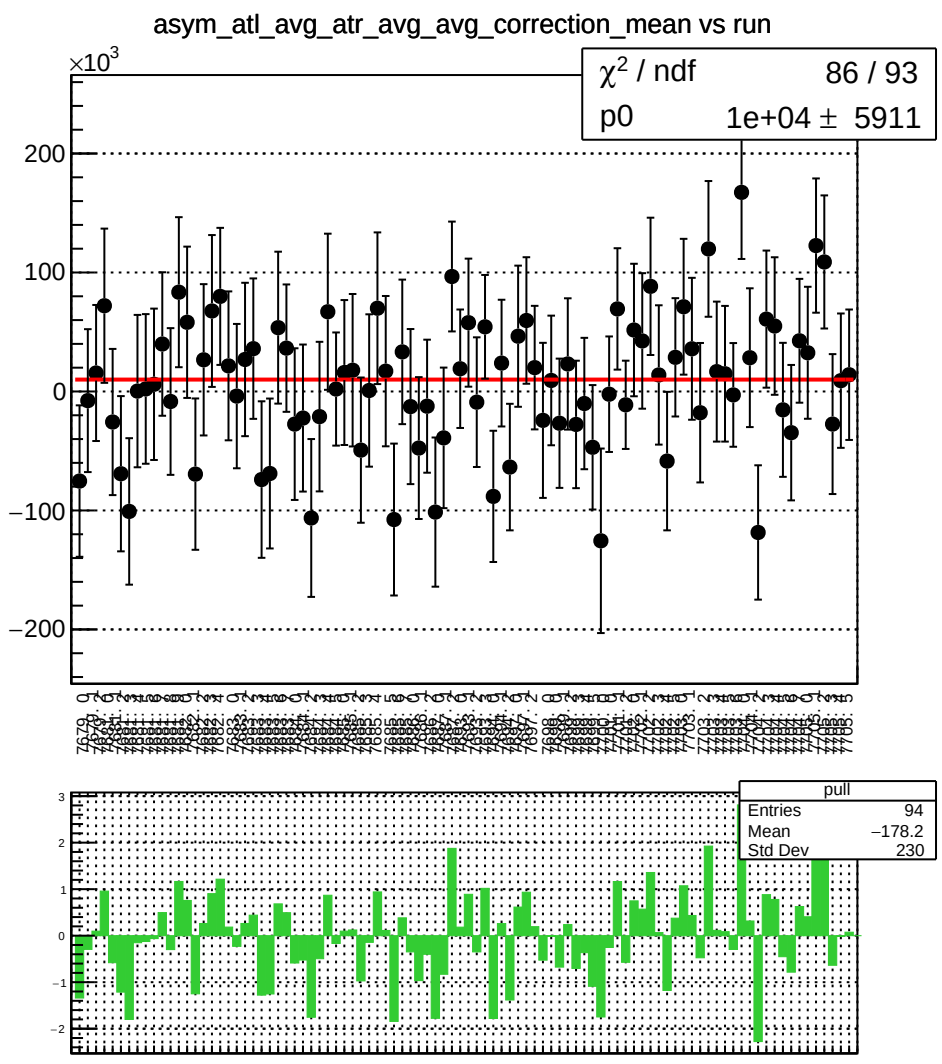

pull1D
Entries 94
Mean 0.0002697
Std Dev 0.9493
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

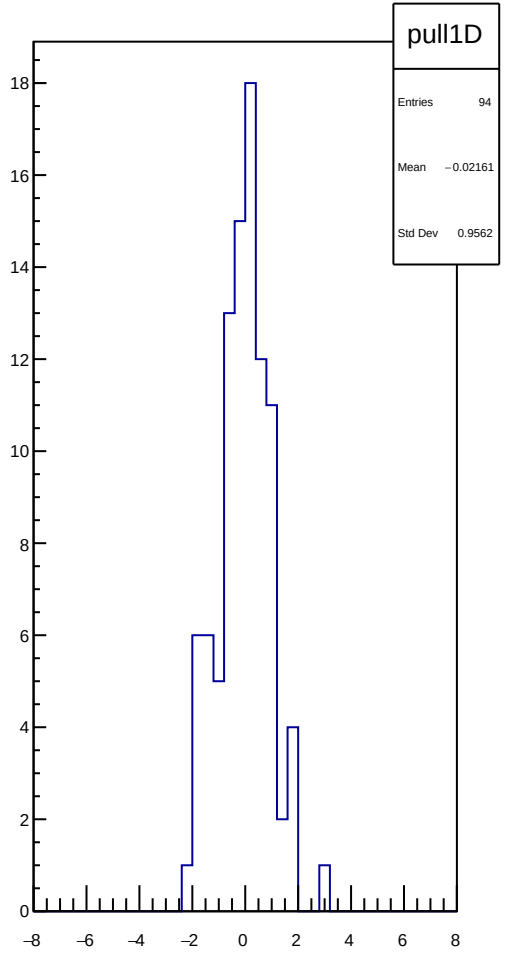

asym_atr_dd_rms vs run
χ^2 / ndf 2.212e+04 / 93
p0 5636 ± 4.245
7000
6500
6000
5500
5000
4500

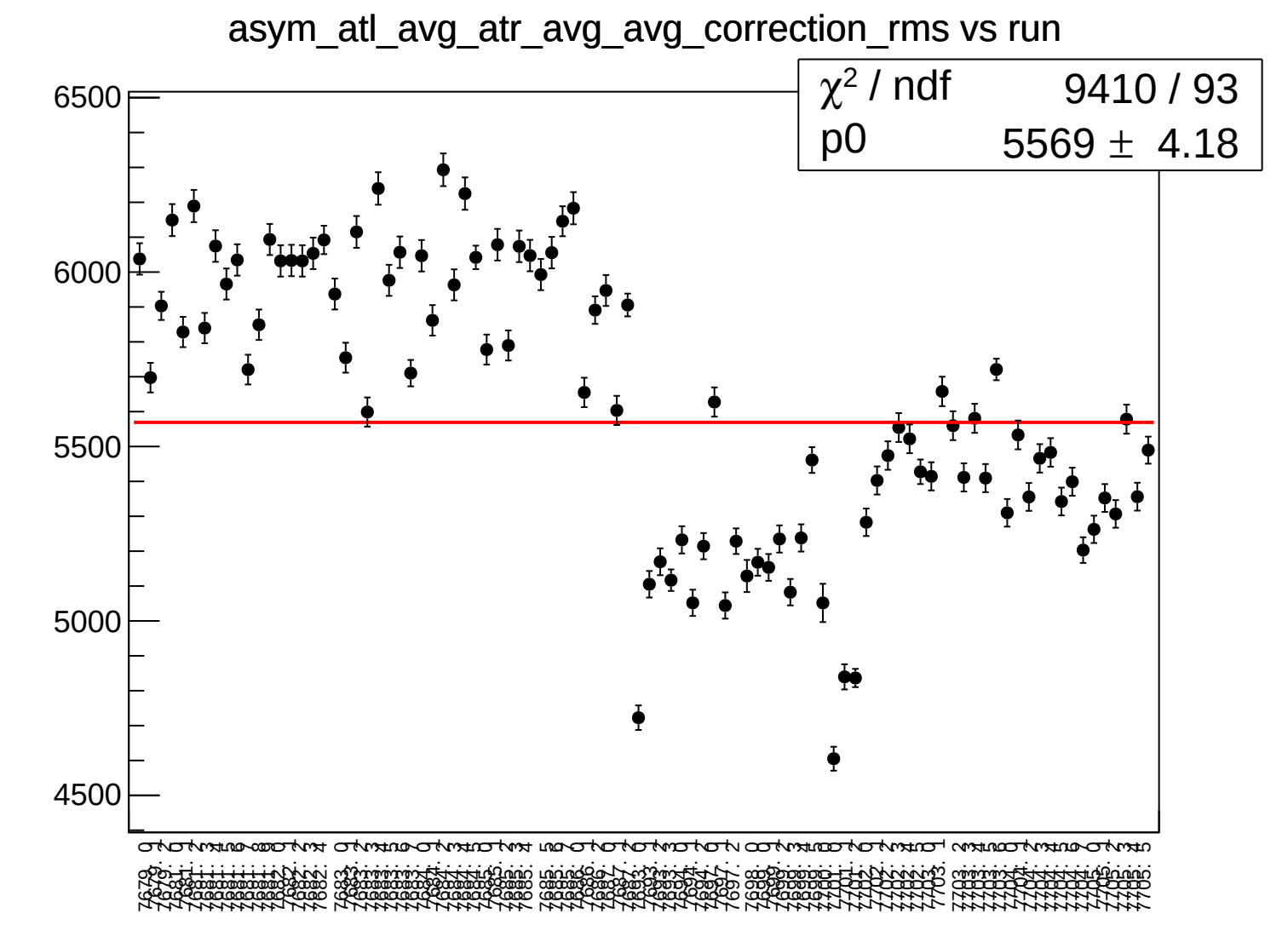

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 86.46 / 93
p0 −716.7 ± 1470
pull
Entries 94
Mean −41.15
Std Dev 87.12

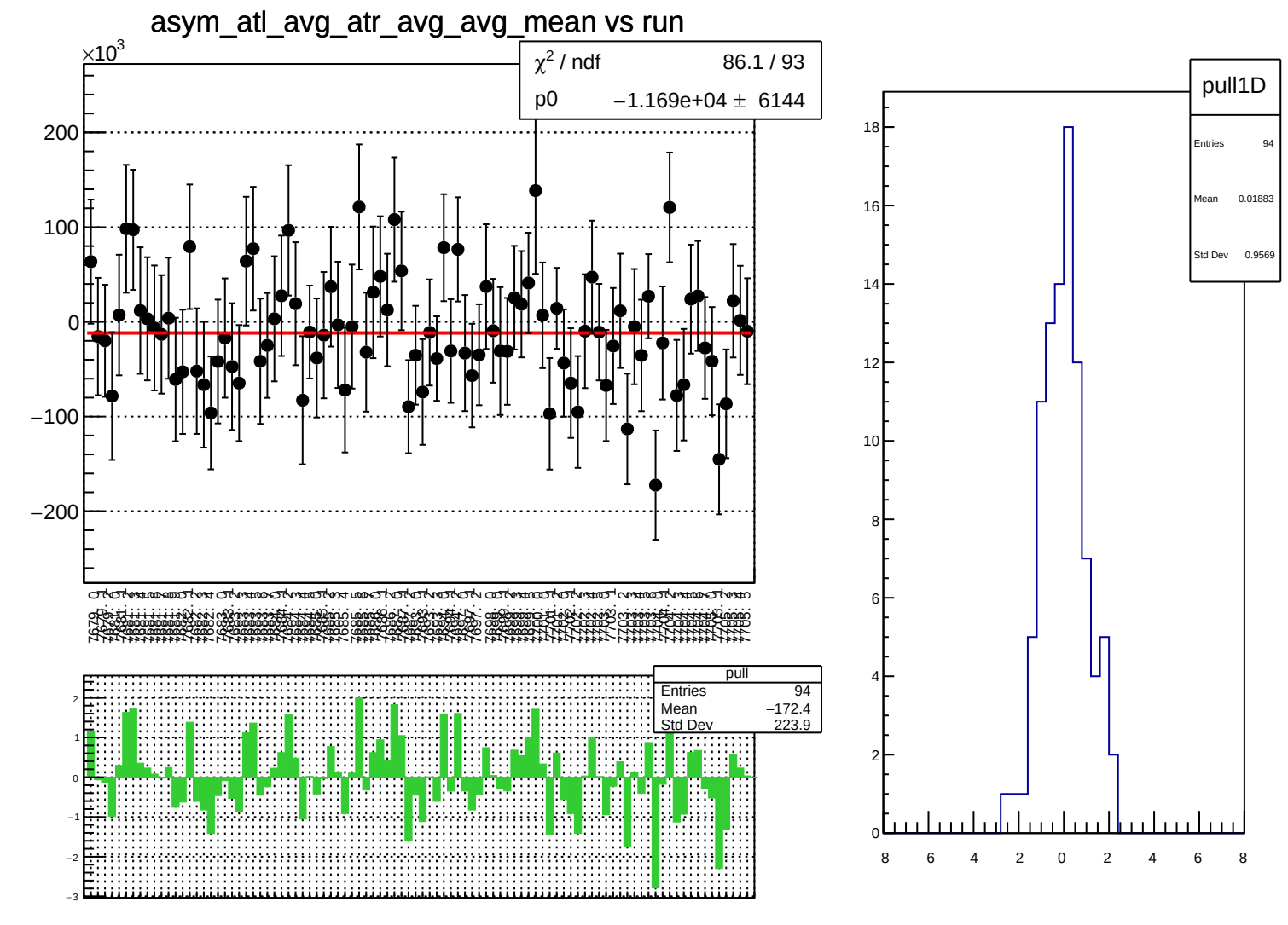

pull1D
Entries 94
Mean −0.03243
Std Dev 0.9585

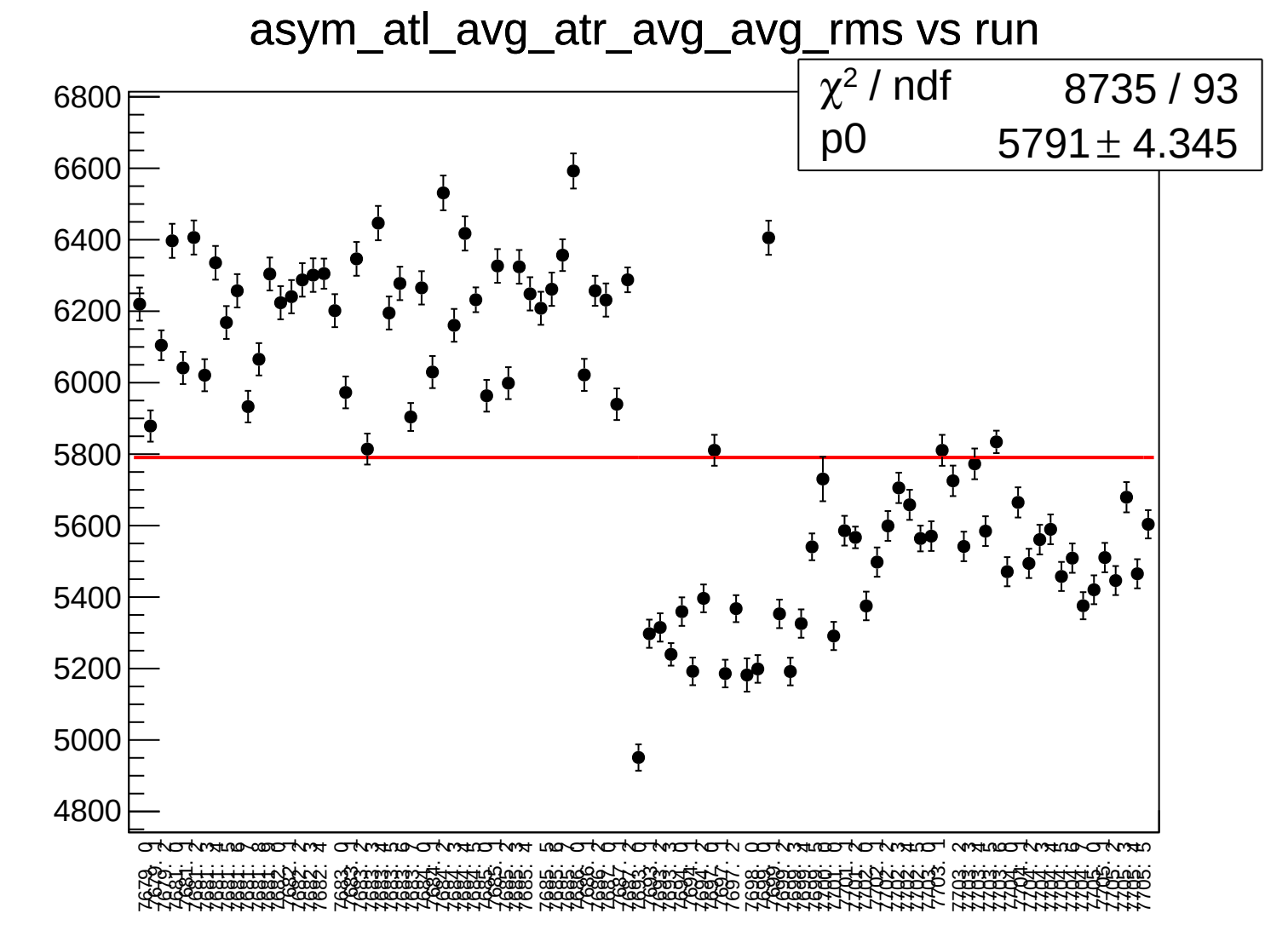

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.829e+04 / 93
p0 1381 ± 1.039
4000
3500
3000
2500
2000
1500
1000

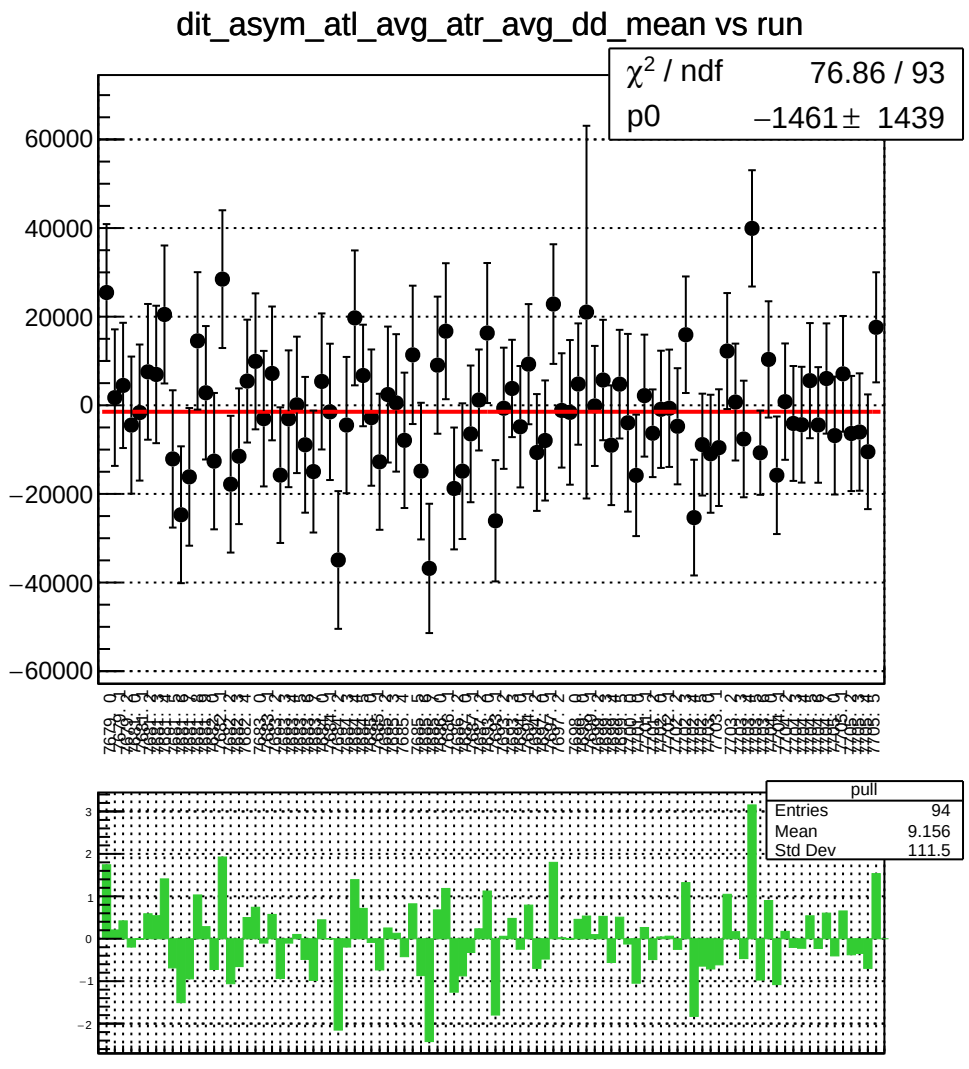

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 86 / 93
p0 1e+04 ± 5911
200
100
0
−100
−200
pull
Entries 94
Mean −178.2
Std Dev 230
3
2
1
0
−1
−2

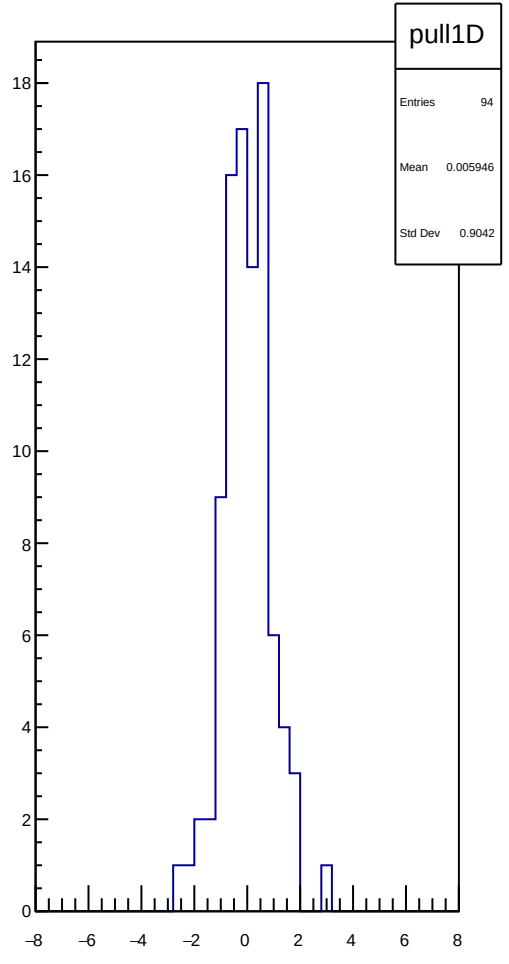

pull1D
Entries 94
Mean −0.02161
Std Dev 0.9562
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

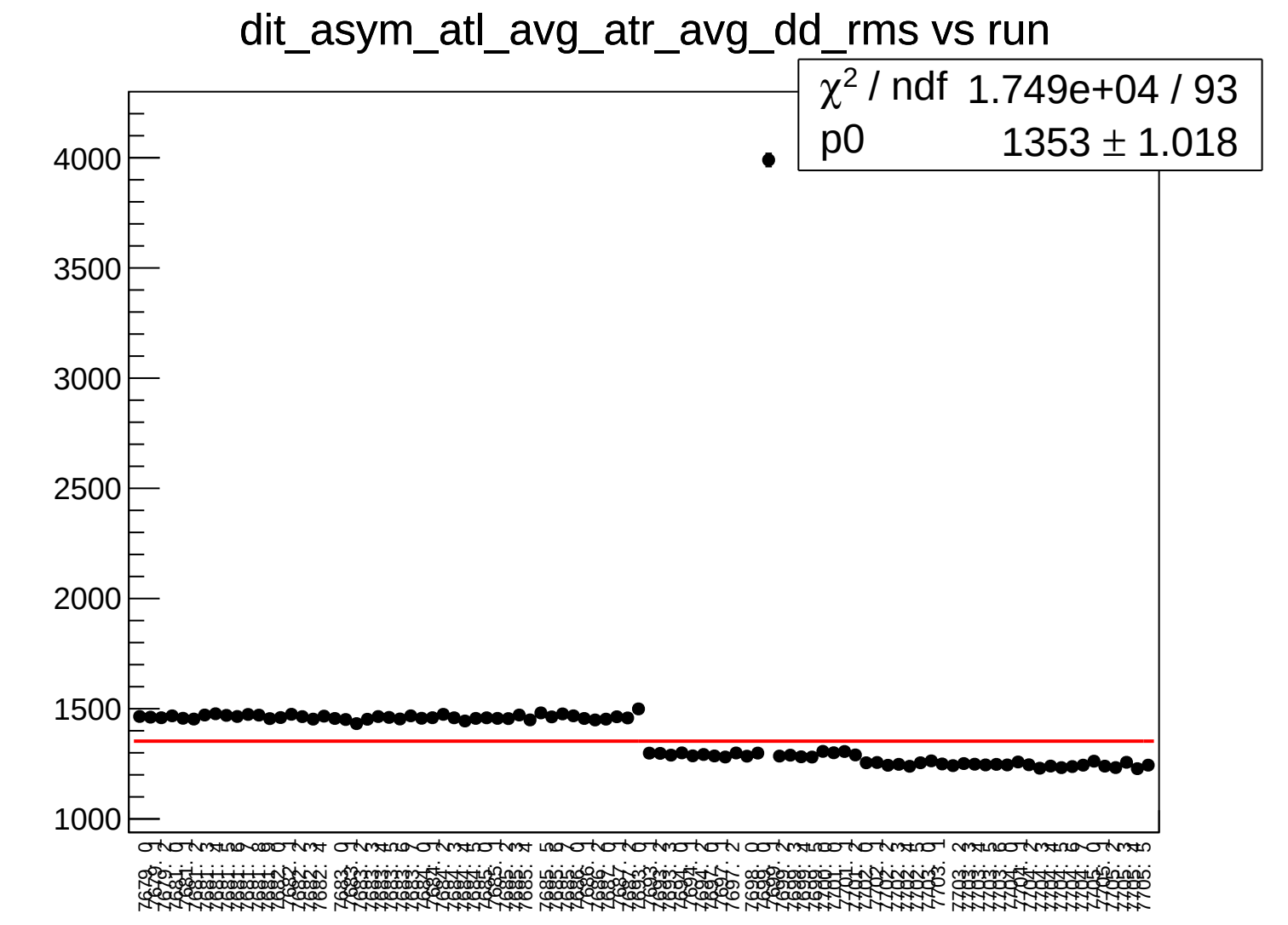

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 9410 / 93
p0 5569 ± 4.18
6500
6000
5500
5000
4500

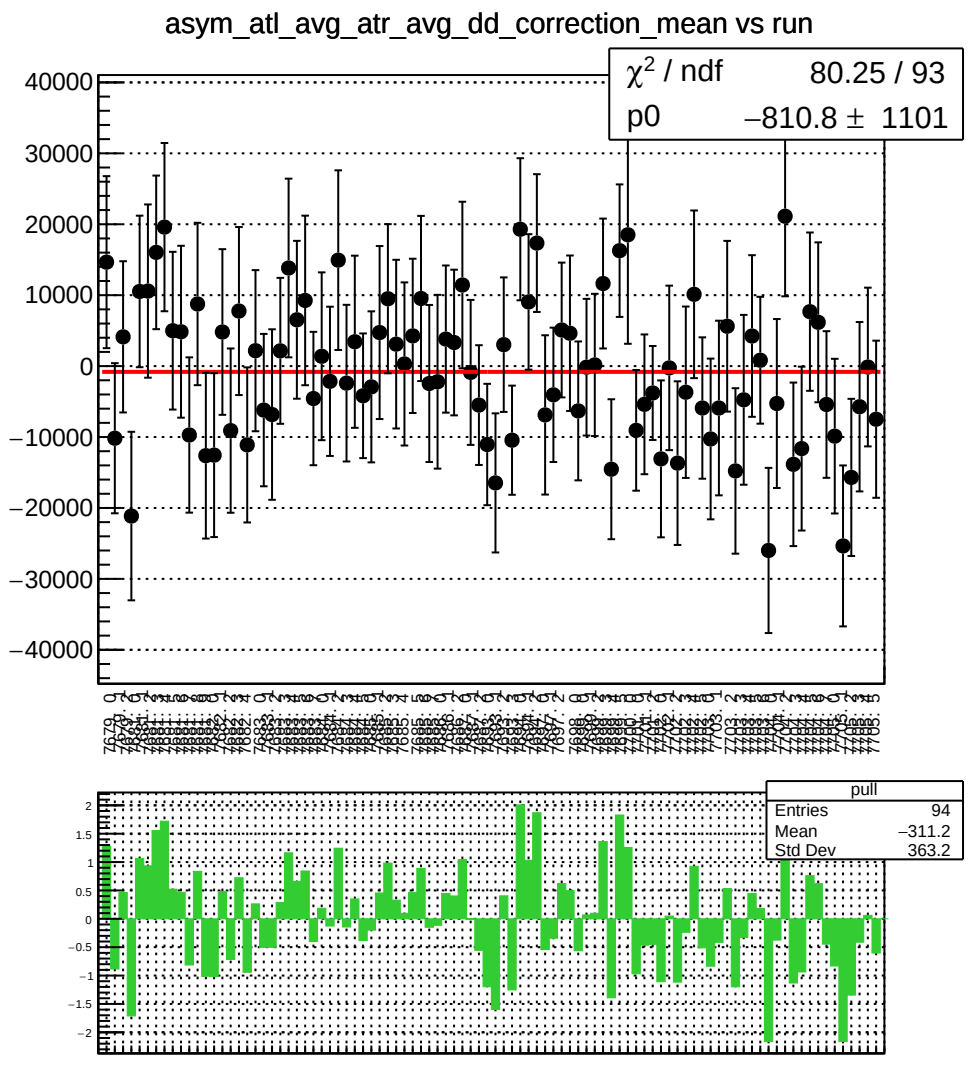

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 86.1 / 93
p0 −1.169e+04 ± 6144
200
100
0
−100
−200
pull
Entries 94
Mean −172.4
Std Dev 223.9
2
1
0
−1
−2
−3
pull1D
Entries 94
Mean 0.01883
Std Dev 0.9569
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

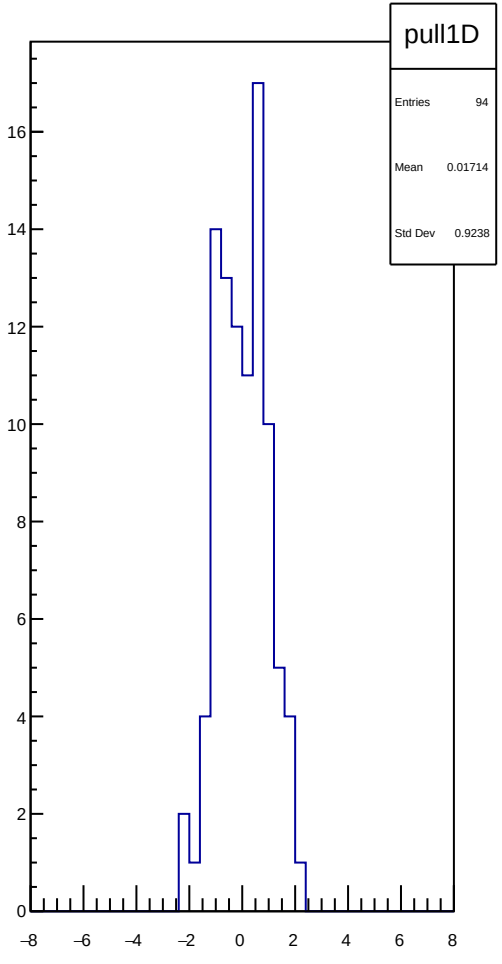

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8735 / 93
p0 5791 ± 4.345
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

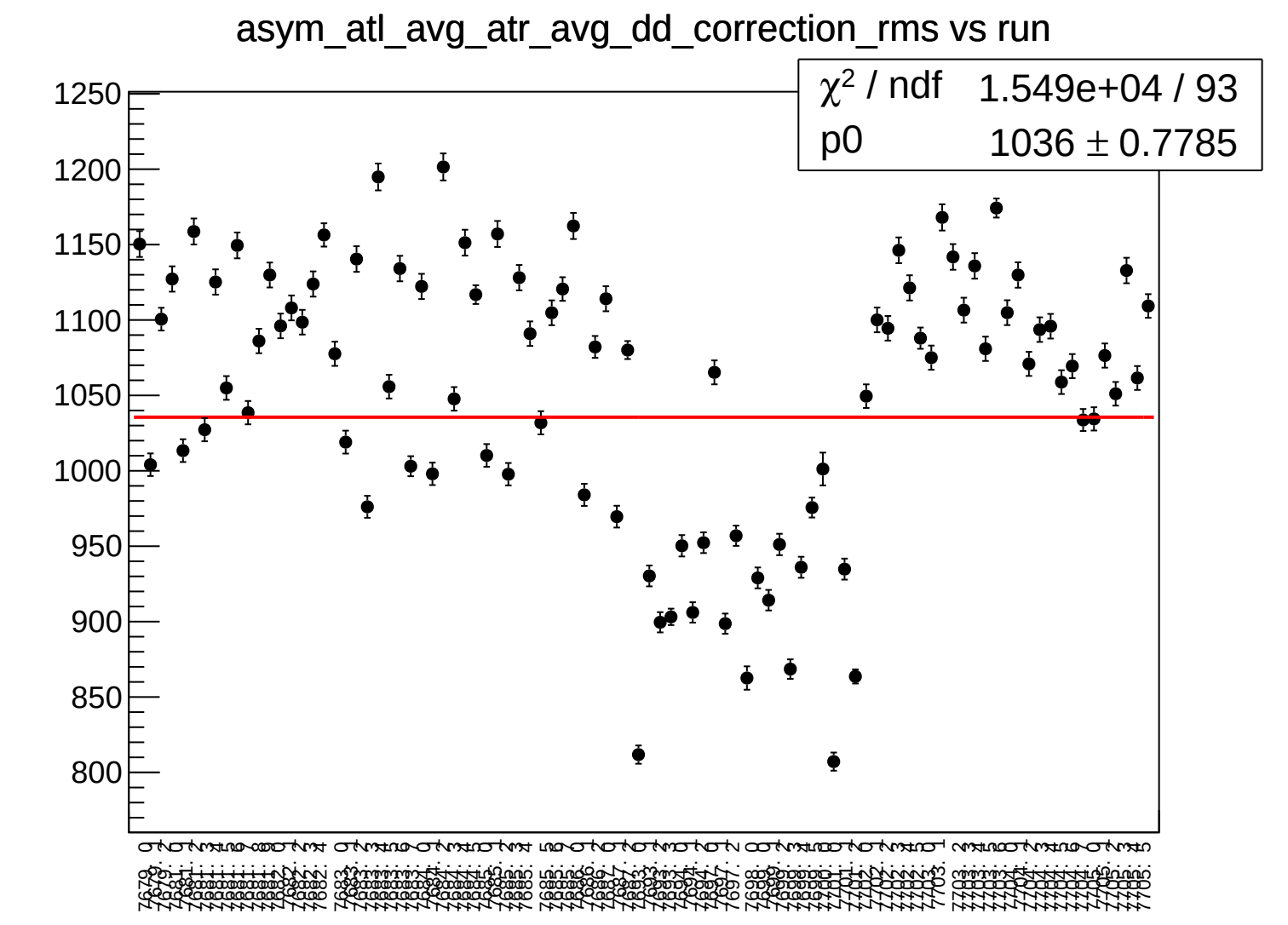

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 76.86 / 93
p0 −1461 ± 1439
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean 9.156
Std Dev 111.5
3
2
1
0
−1
−2

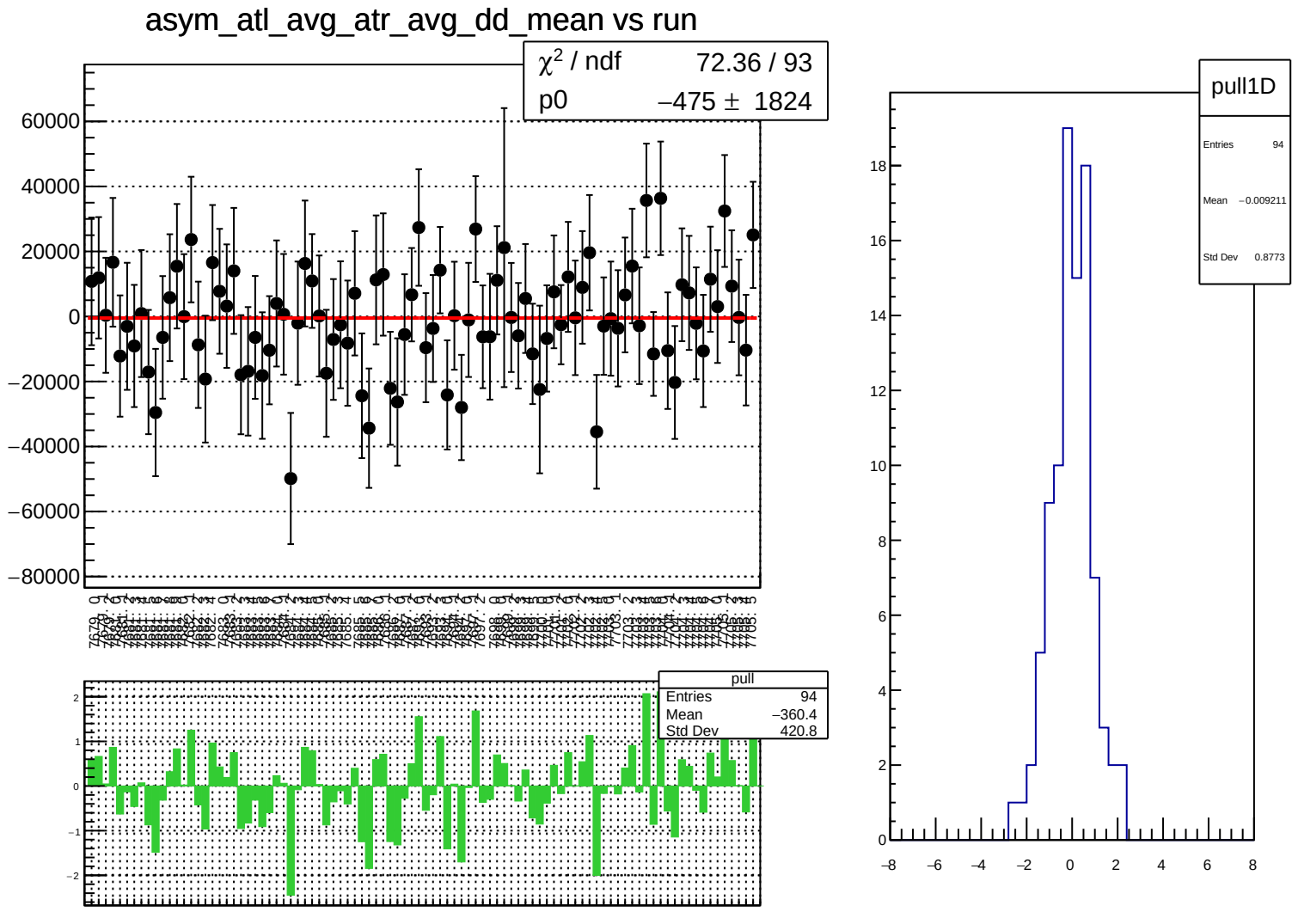

pull1D
Entries 94
Mean 0.005946
Std Dev 0.9042
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

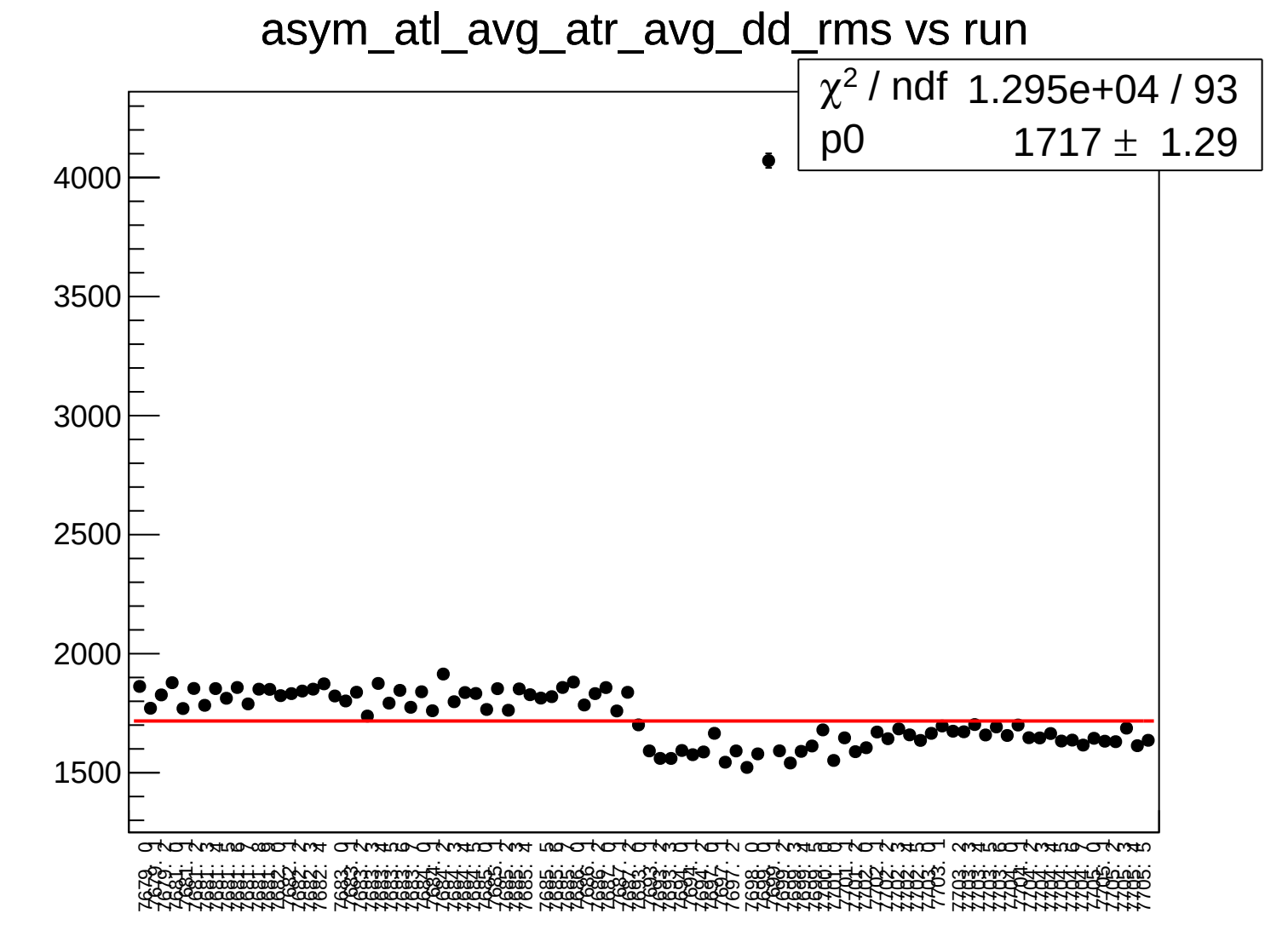

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.749e+04 / 93
p0 1353 ± 1.018
4000
3500
3000
2500
2000
1500
1000

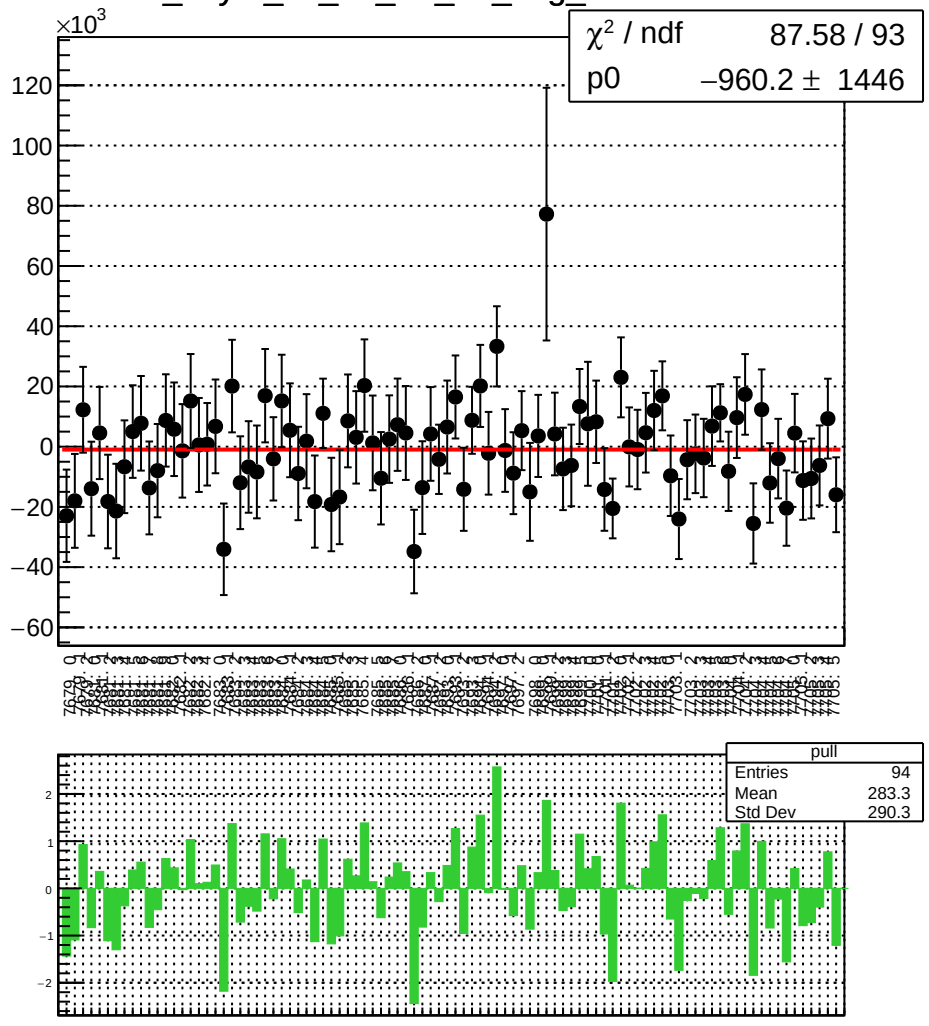

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 80.25 / 93
p0 −810.8 ± 1101
pull
Entries 94
Mean −311.2
Std Dev 363.2

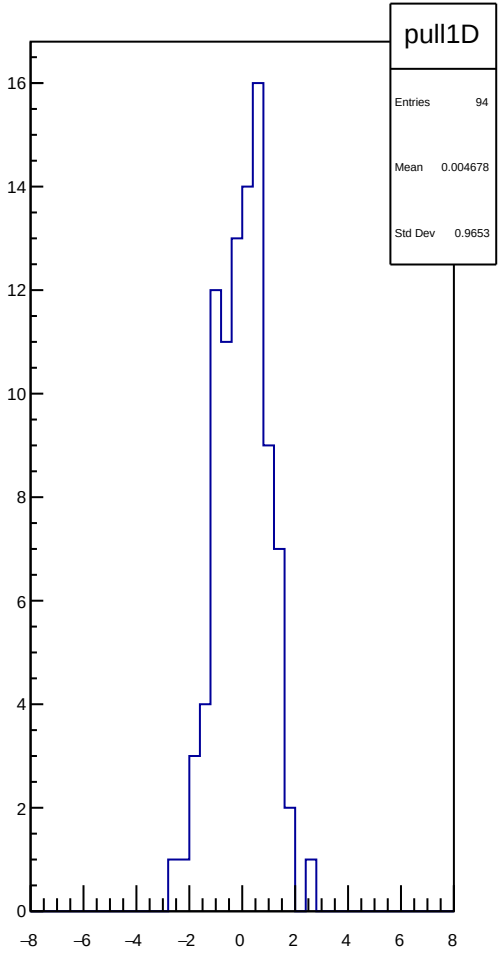

pull1D
Entries 94
Mean 0.01714
Std Dev 0.9238

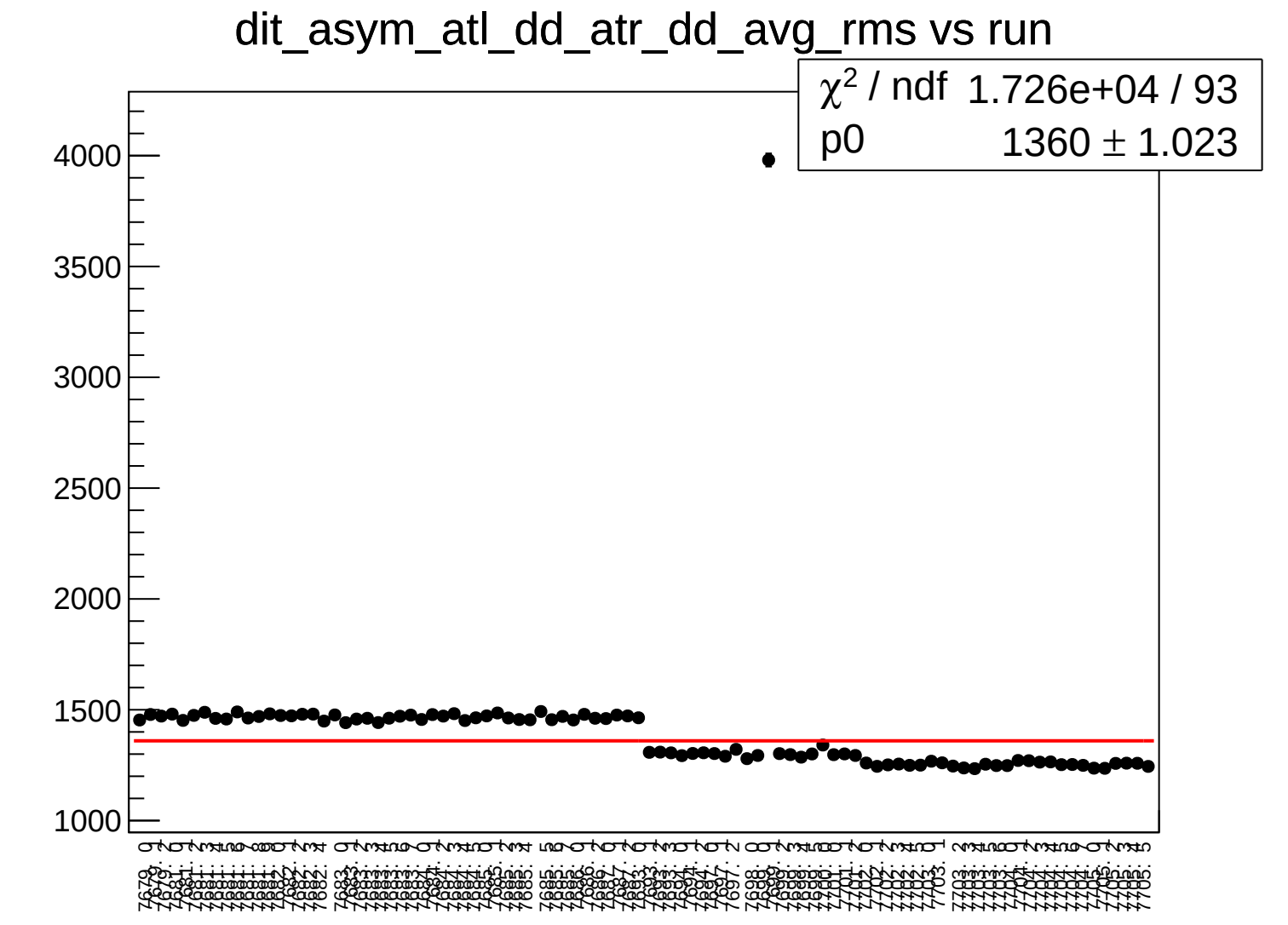

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.549e+04 / 93
p0 1036 ± 0.7785
1250
1200
1150
1100
1050
1000
950
900
850
800

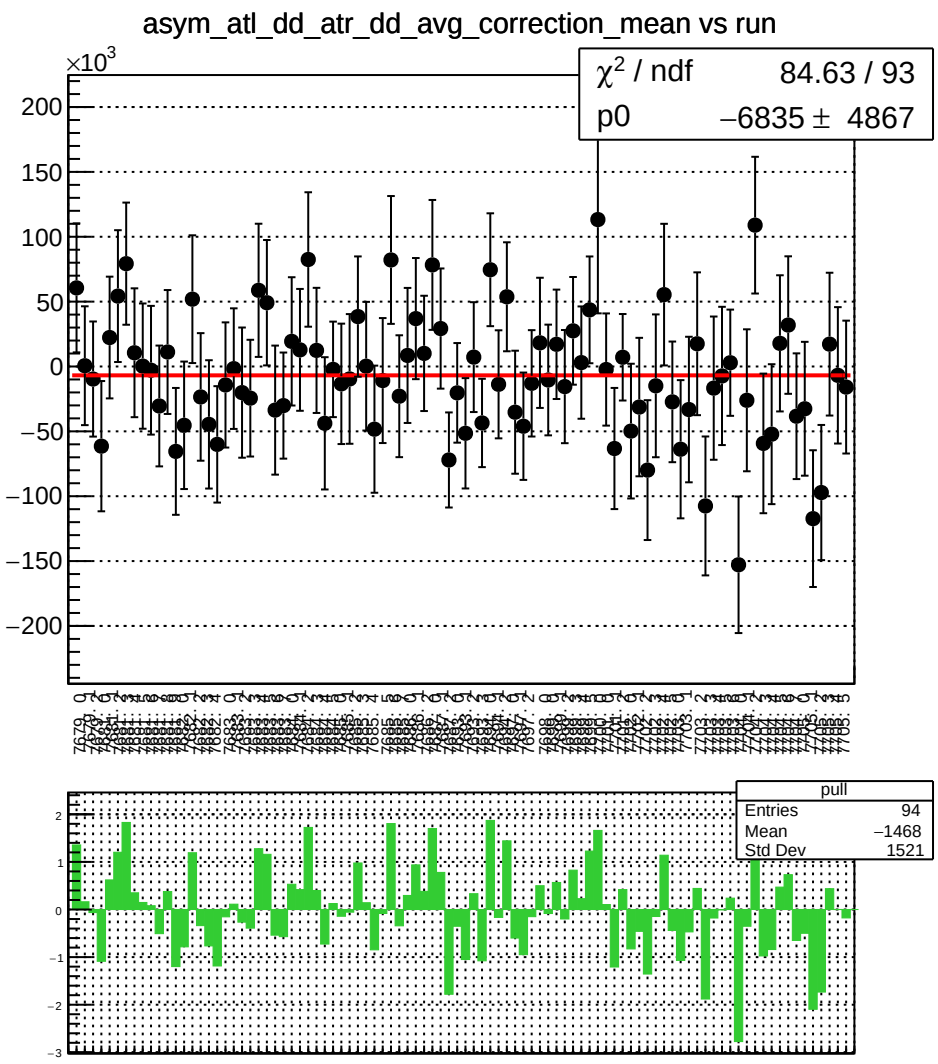

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 72.36 / 93
p0 −475 ± 1824
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 94
Mean −360.4
Std Dev 420.8
2
1
0
−1
−2
pull1D
Entries 94
Mean −0.009211
Std Dev 0.8773
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

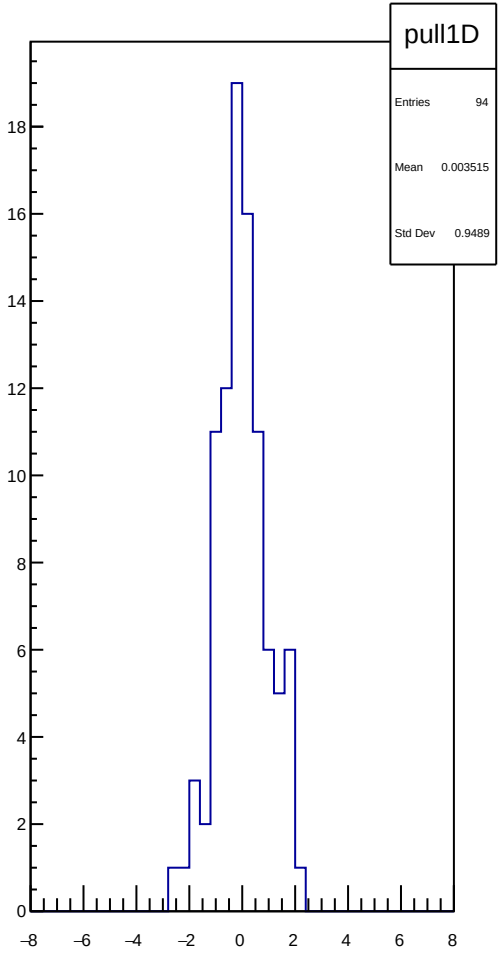

asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.295e+04 / 93
p0 1717 ± 1.29
4000
3500
3000
2500
2000
1500

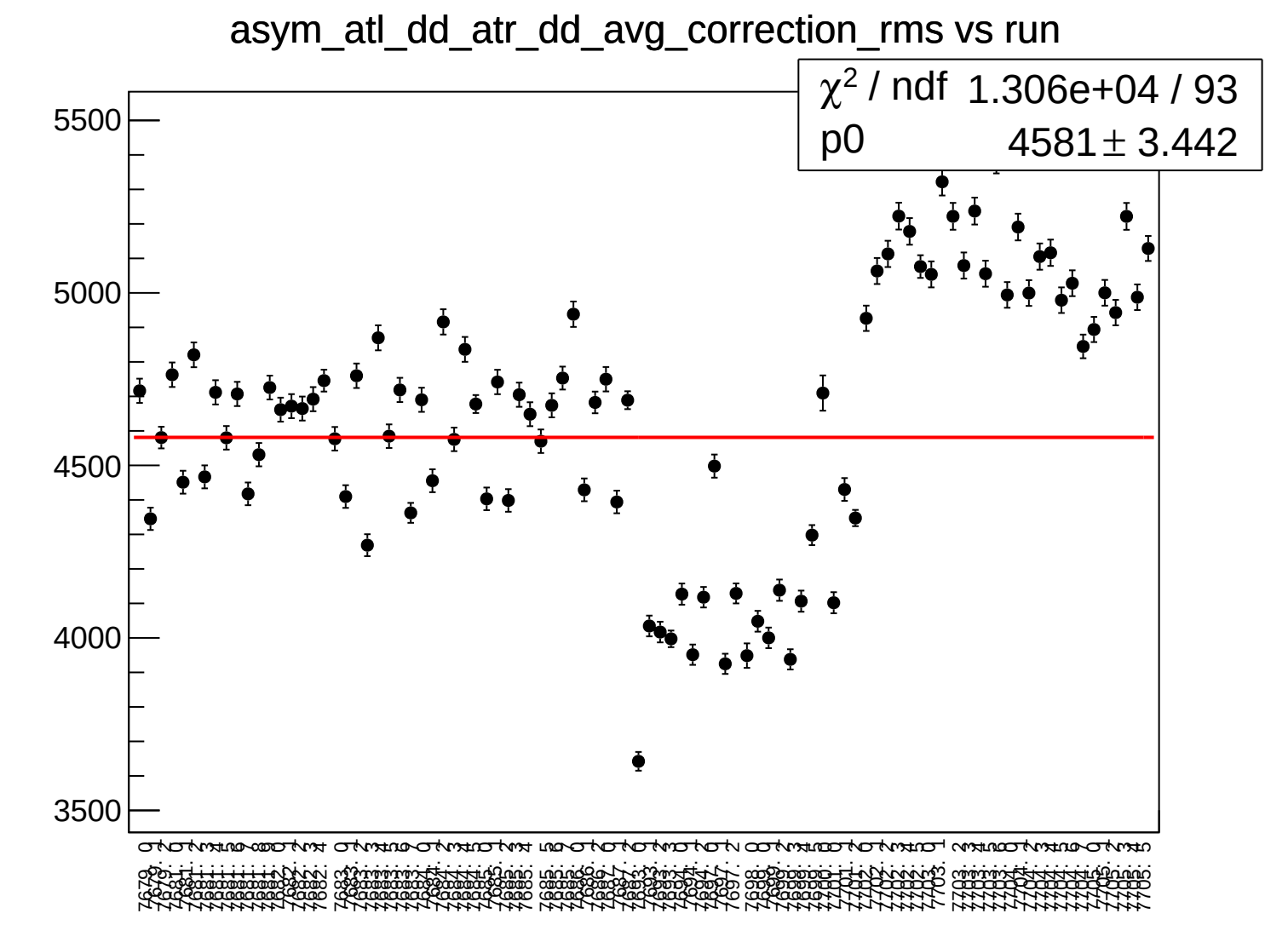

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 87.58 / 93
p0 −960.2 ± 1446
120
100
80
60
40
20
0
−20
−40
−60
pull
Entries 94
Mean 283.3
Std Dev 290.3
2
1
0
−1
−2

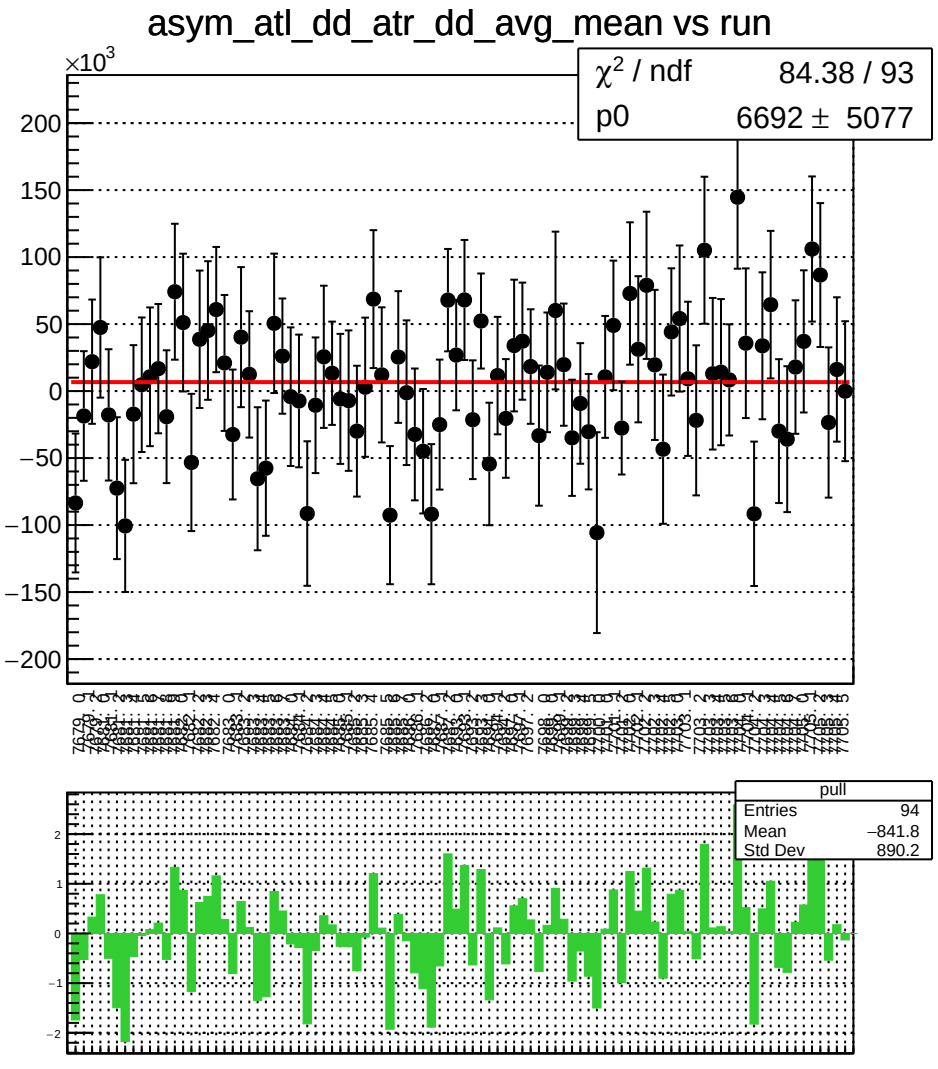

pull1D
Entries 94
Mean 0.004678
Std Dev 0.9653
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

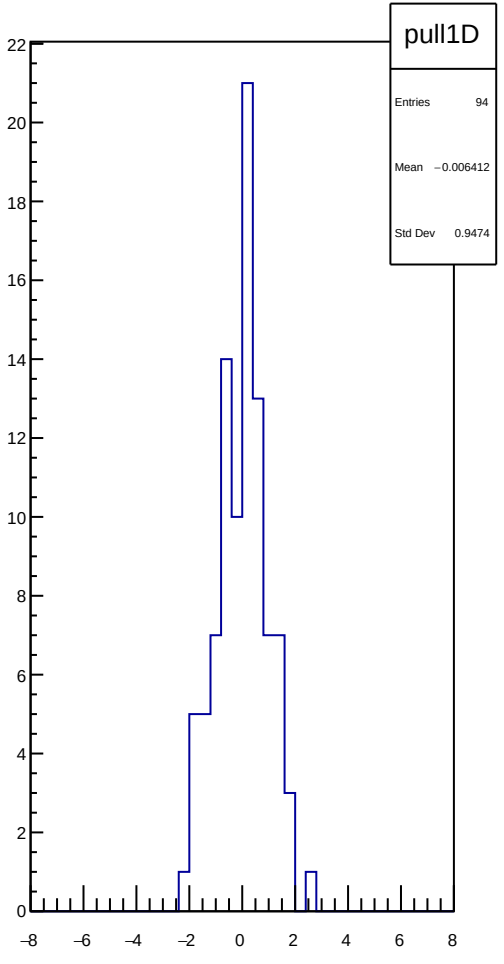

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.726e+04 / 93
p0 1360 ± 1.023
4000
3500
3000
2500
2000
1500
1000

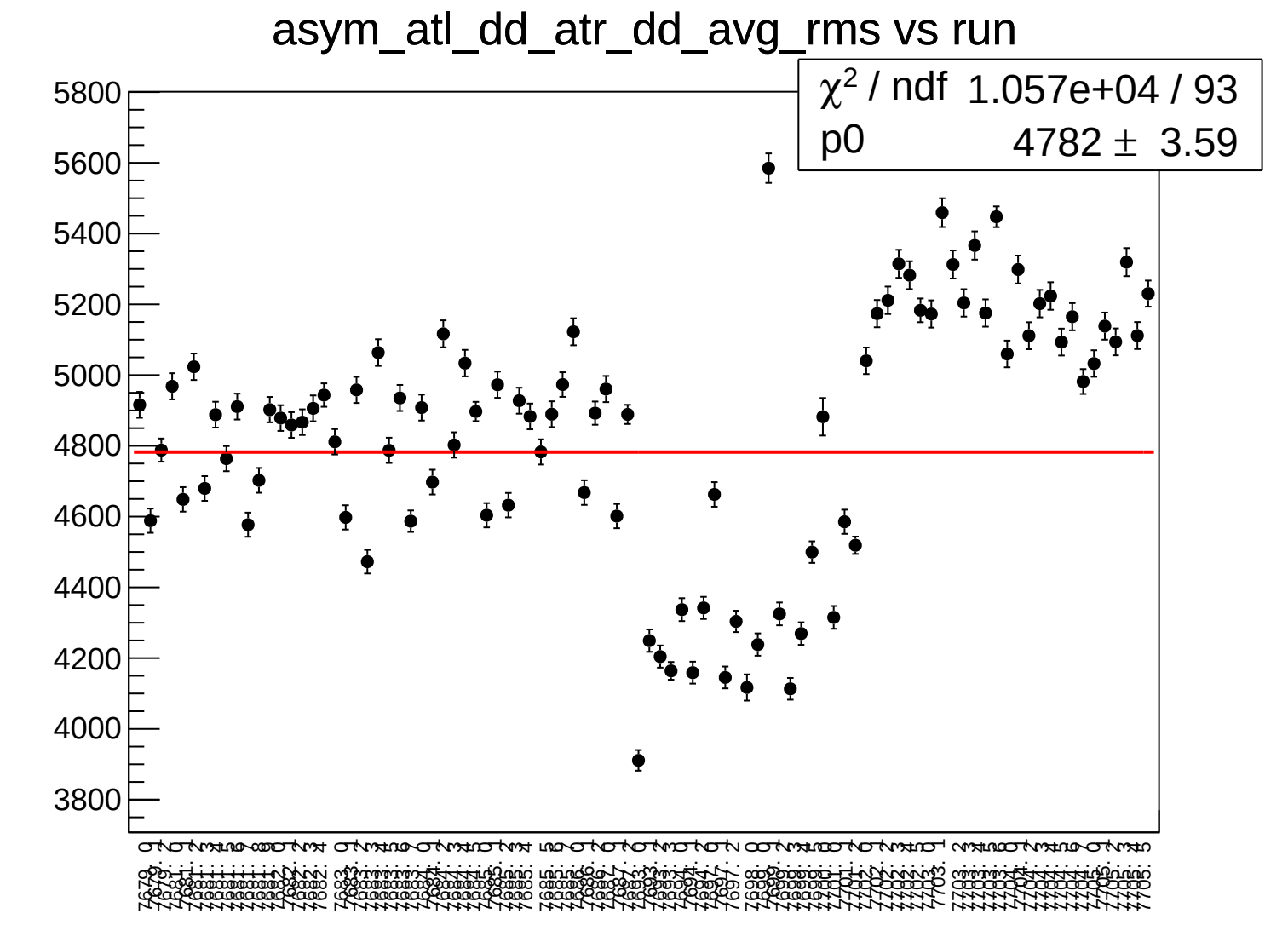

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 84.63 / 93
p0 −6835 ± 4867
pull
Entries 94
Mean −1468
Std Dev 1521

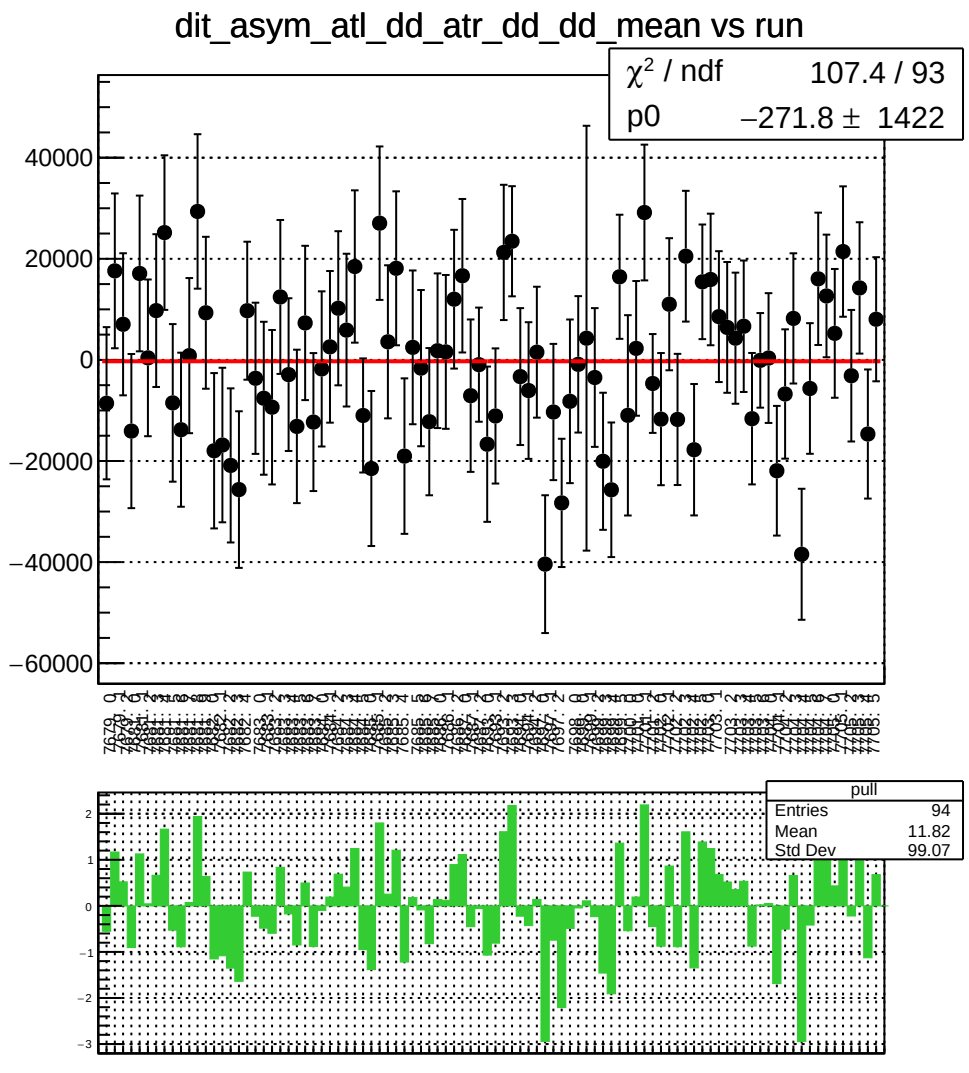

pull1D
Entries 94
Mean 0.003515
Std Dev 0.9489

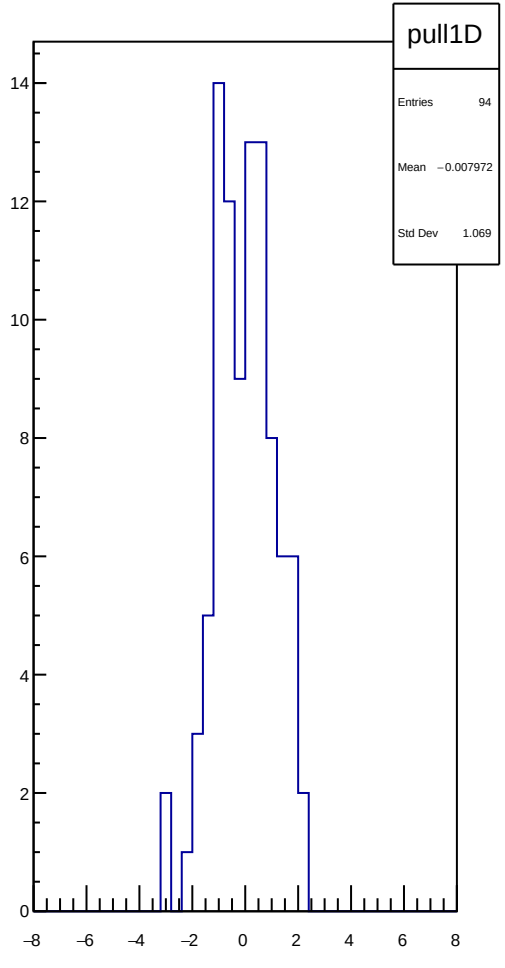

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.306e+04 / 93
p0 4581 ± 3.442
5500
5000
4500
4000
3500

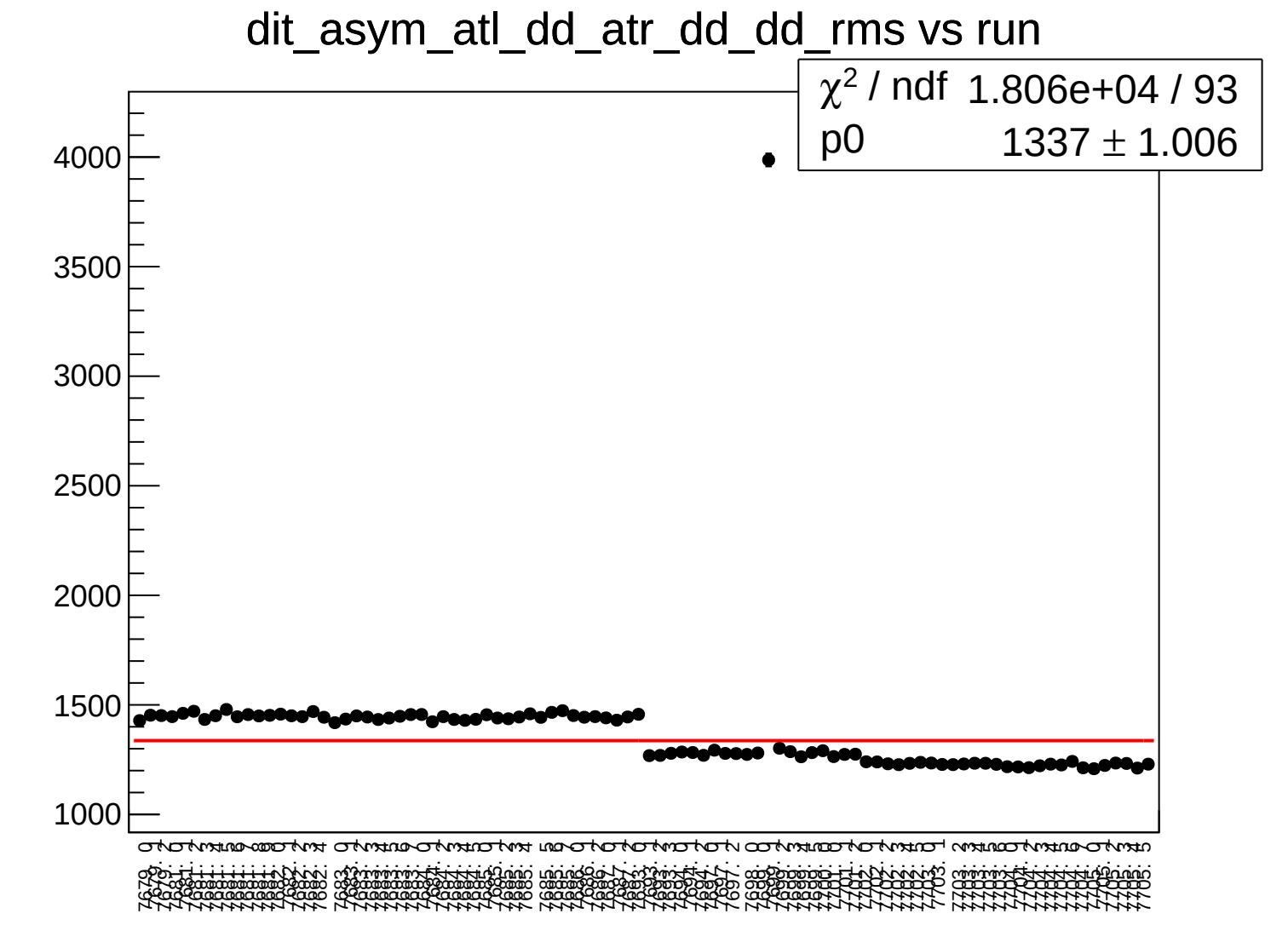

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 84.38 / 93
p0 6692 ± 5077
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean −841.8
Std Dev 890.2
2
1
0
−1
−2

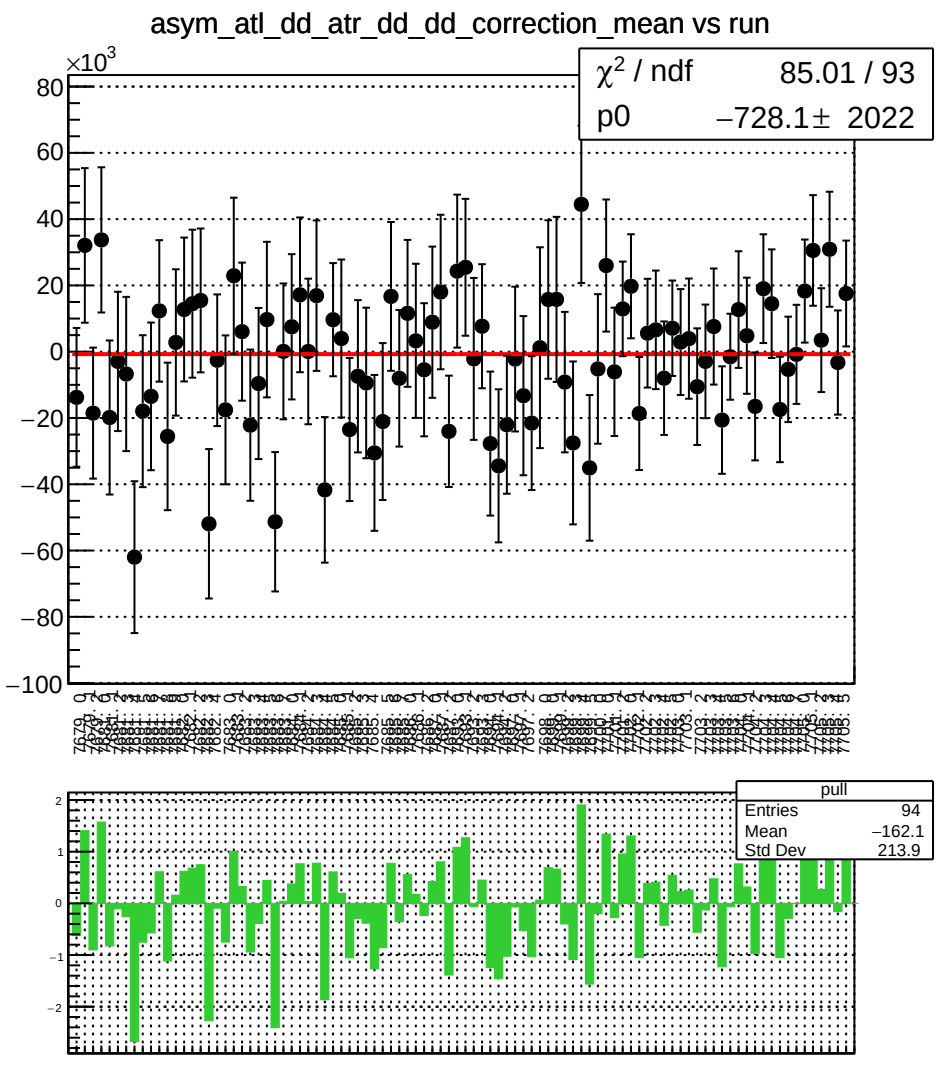

pull1D
Entries 94
Mean −0.006412
Std Dev 0.9474
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

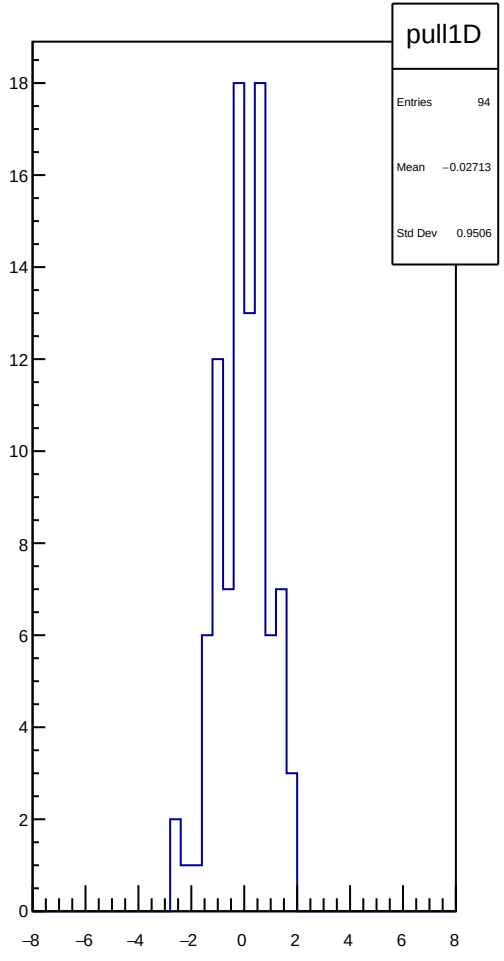

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.057e+04 / 93
p0 4782 ± 3.59
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

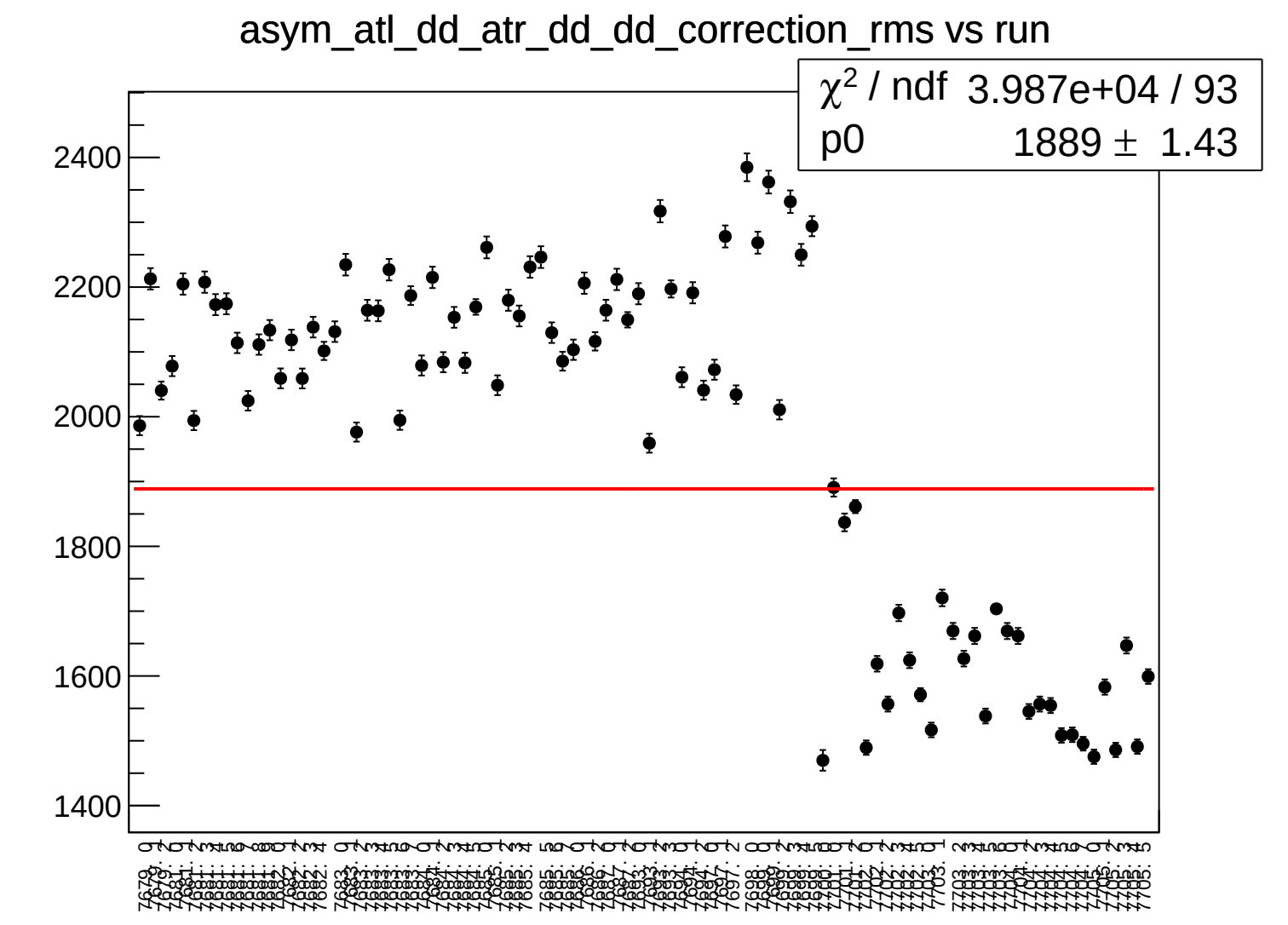

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 107.4 / 93
p0 −271.8 ± 1422
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean 11.82
Std Dev 99.07
2
1
0
−1
−2
−3

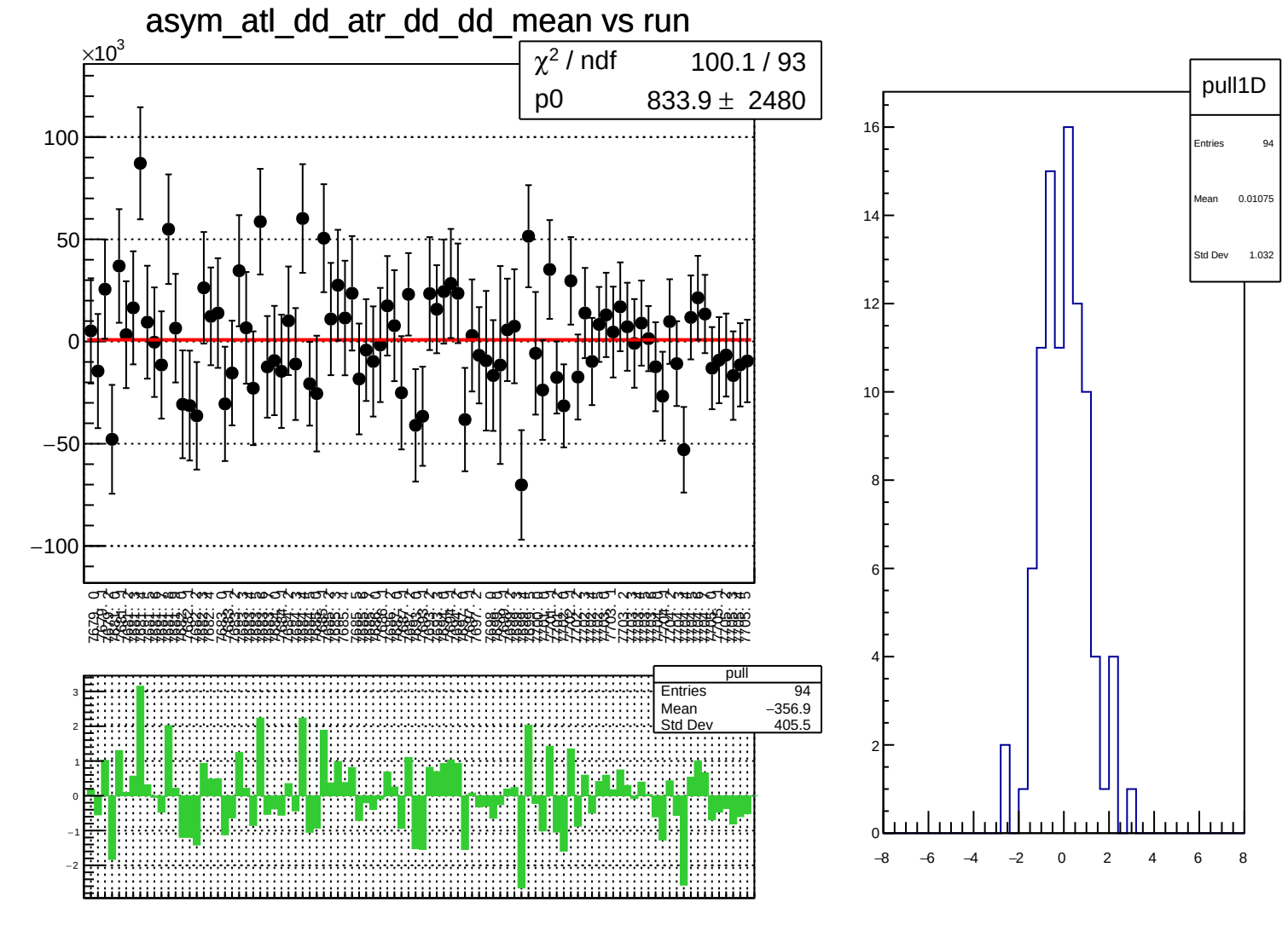

pull1D
Entries 94
Mean −0.007972
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

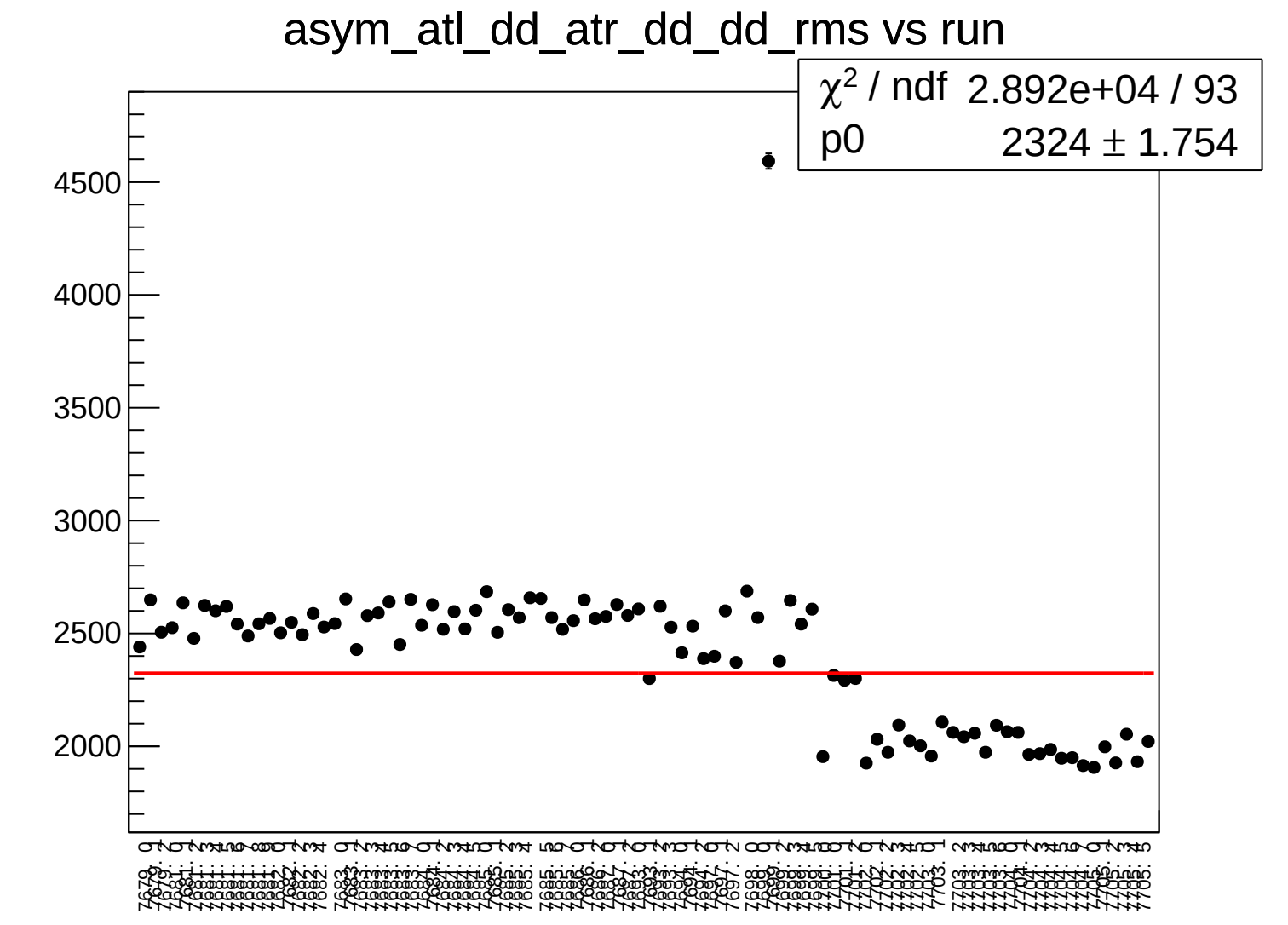

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.806e+04 / 93
p0 1337 ± 1.006
4000
3500
3000
2500
2000
1500
1000

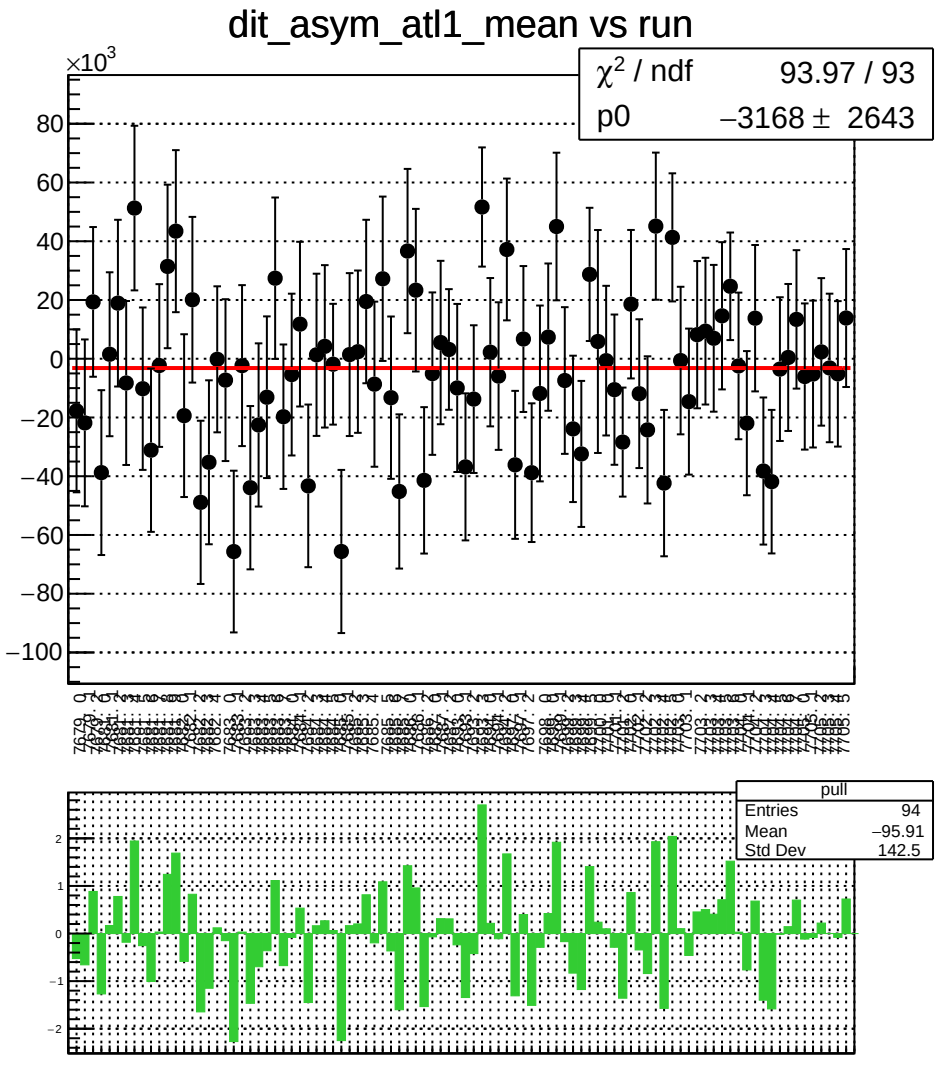

asym_atl_dd_atr_dd_dd_correction_mean vs run
×10^3
χ² / ndf 85.01 / 93
p0 −728.1± 2022
pull
Entries 94
Mean −162.1
Std Dev 213.9

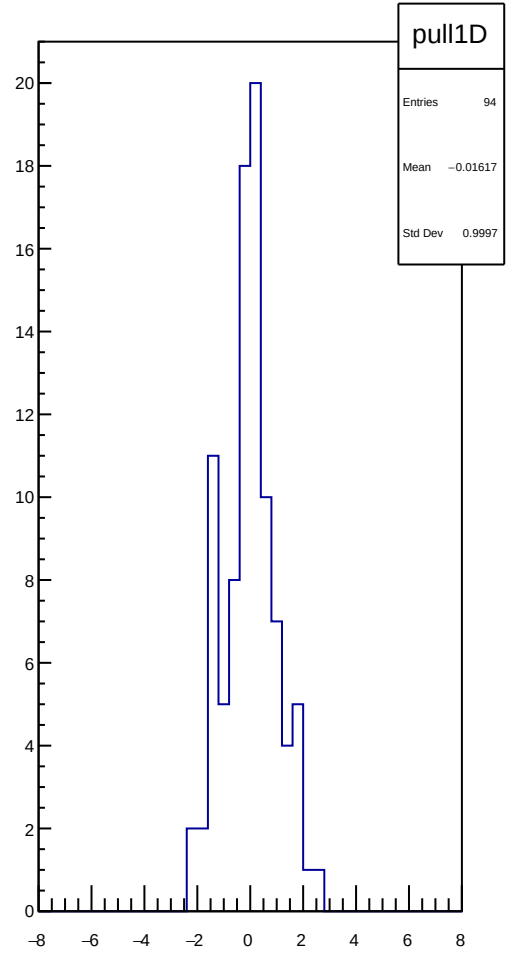

pull1D
Entries 94
Mean −0.02713
Std Dev 0.9506

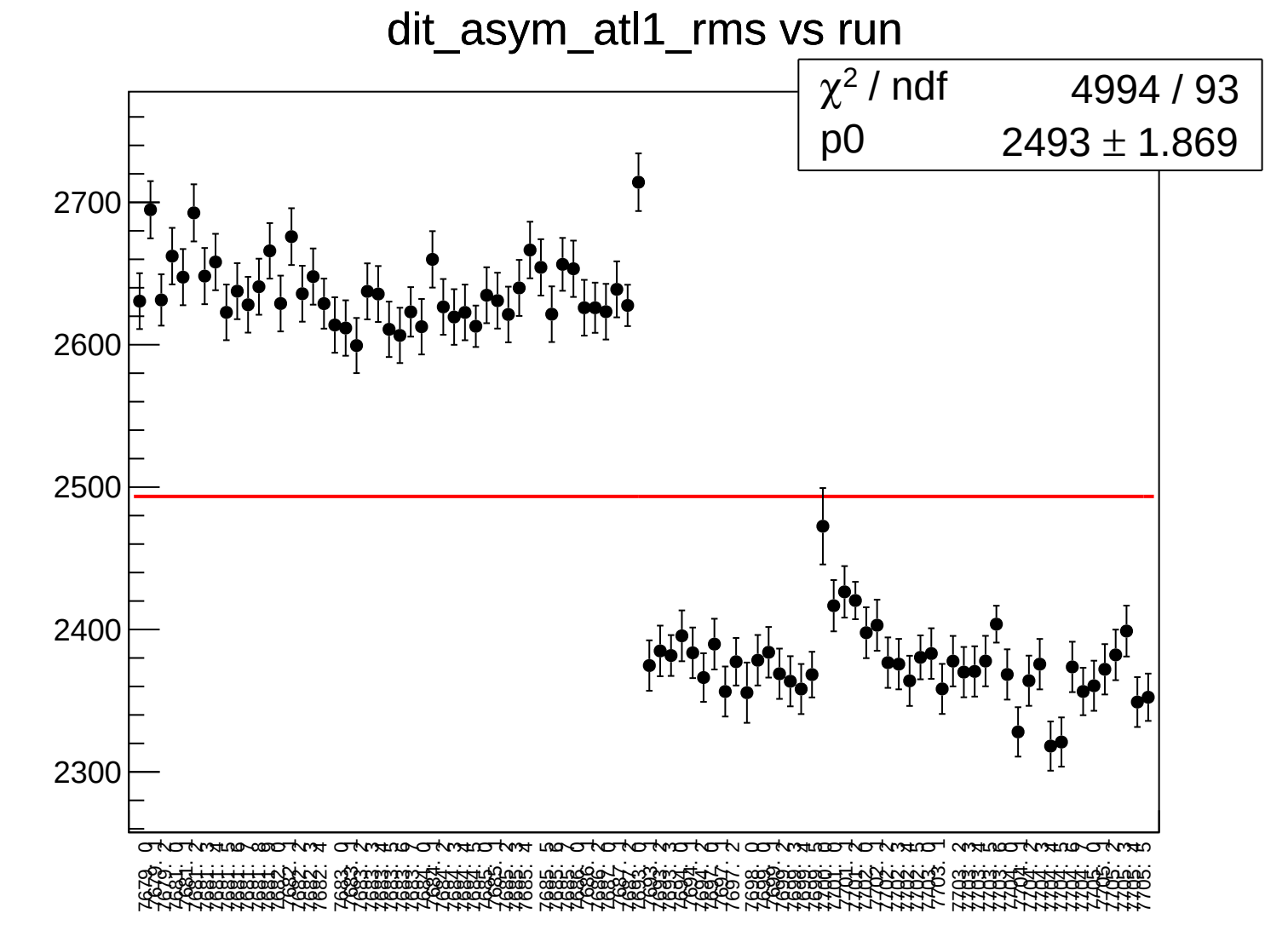

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3.987e+04 / 93
p0 1889 ± 1.43
2400
2200
2000
1800
1600
1400

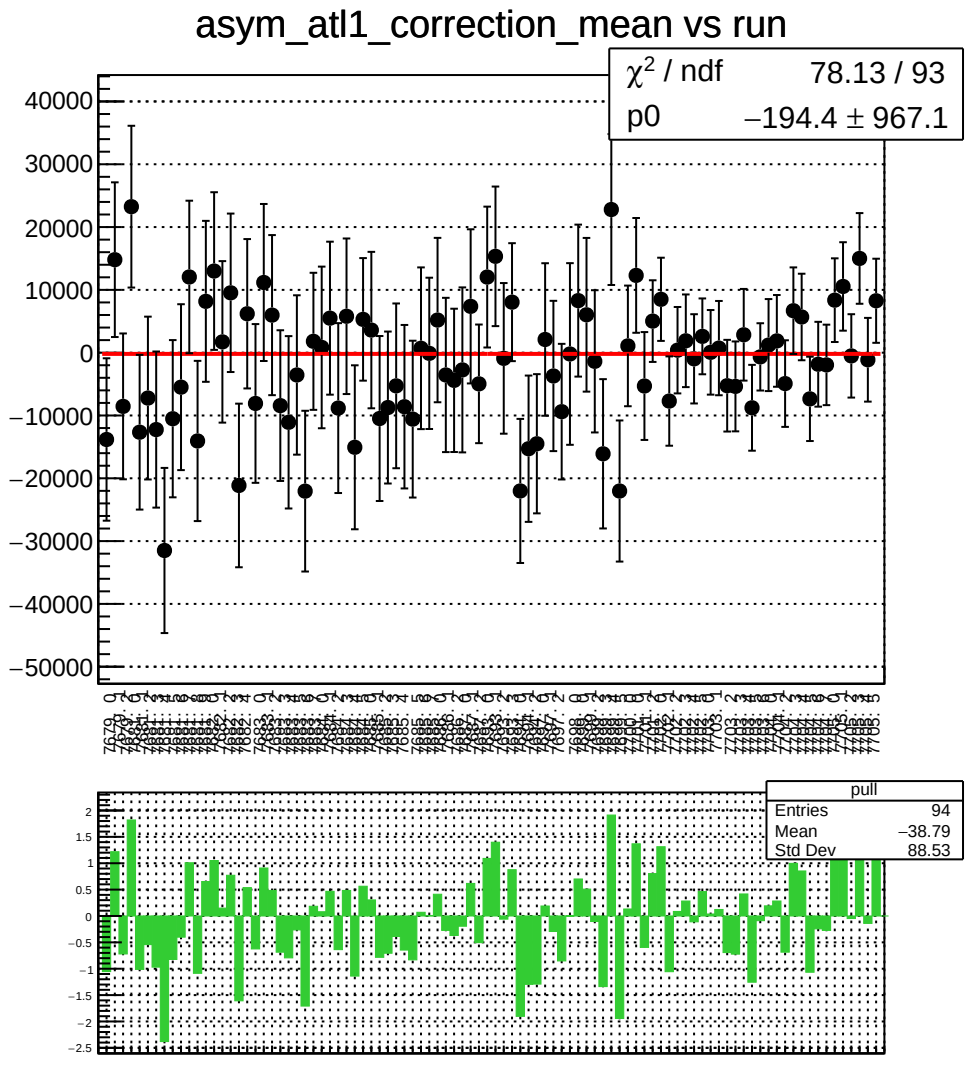

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 100.1 / 93
p0 833.9 ± 2480
100
50
0
−50
−100
pull
Entries 94
Mean −356.9
Std Dev 405.5
3
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.01075
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

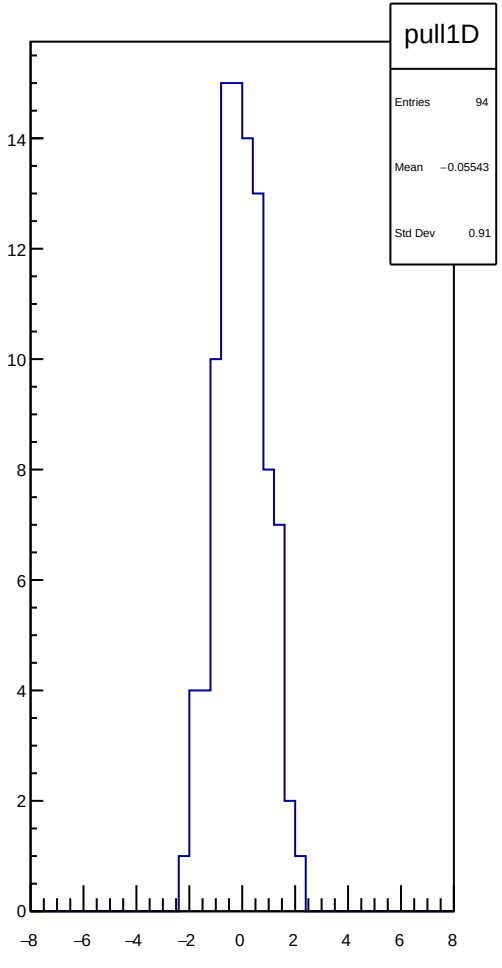

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 2.892e+04 / 93
p0 2324 ± 1.754
4500
4000
3500
3000
2500
2000

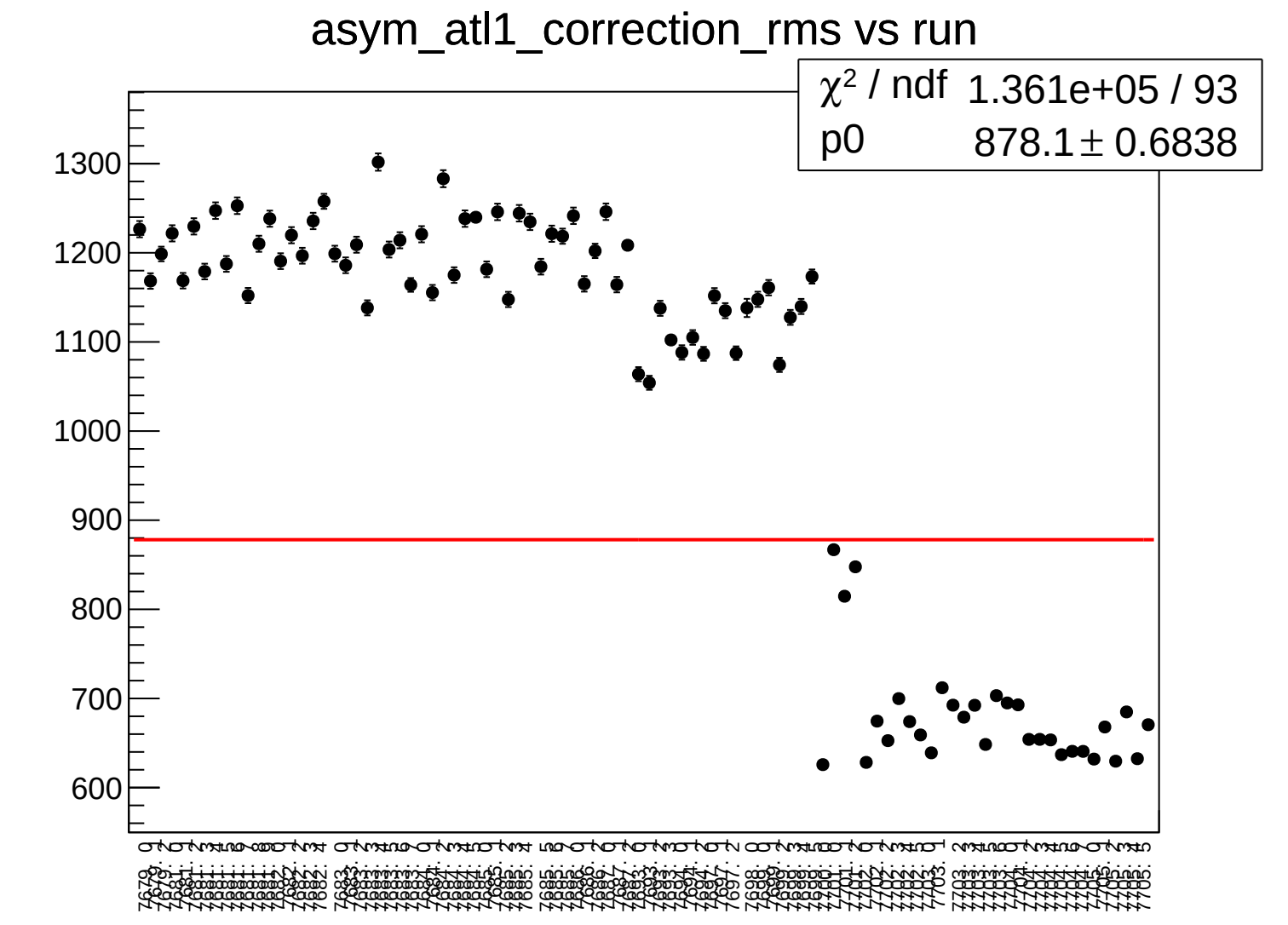

dit_asym_atl1_mean vs run
χ^2 / ndf 93.97 / 93
p0 −3168 ± 2643
×10^3
pull
Entries 94
Mean −95.91
Std Dev 142.5

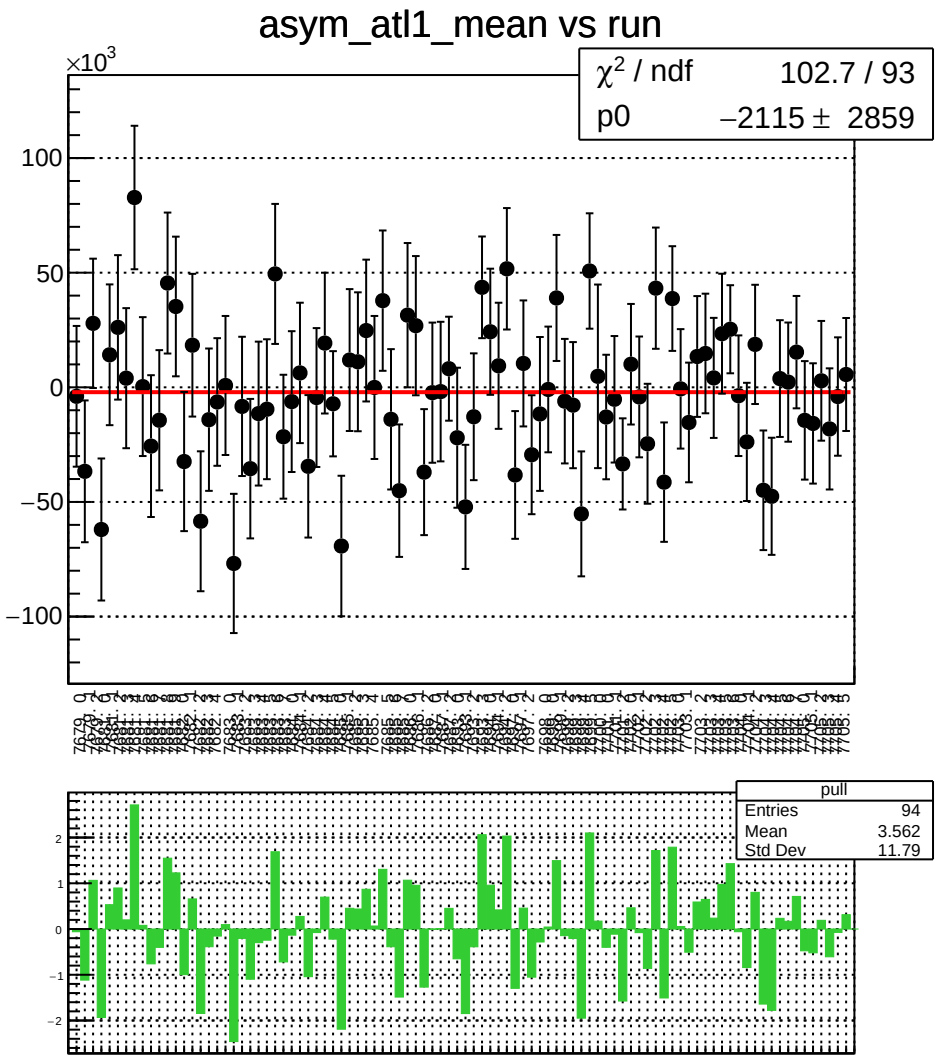

pull1D
Entries 94
Mean −0.01617
Std Dev 0.9997

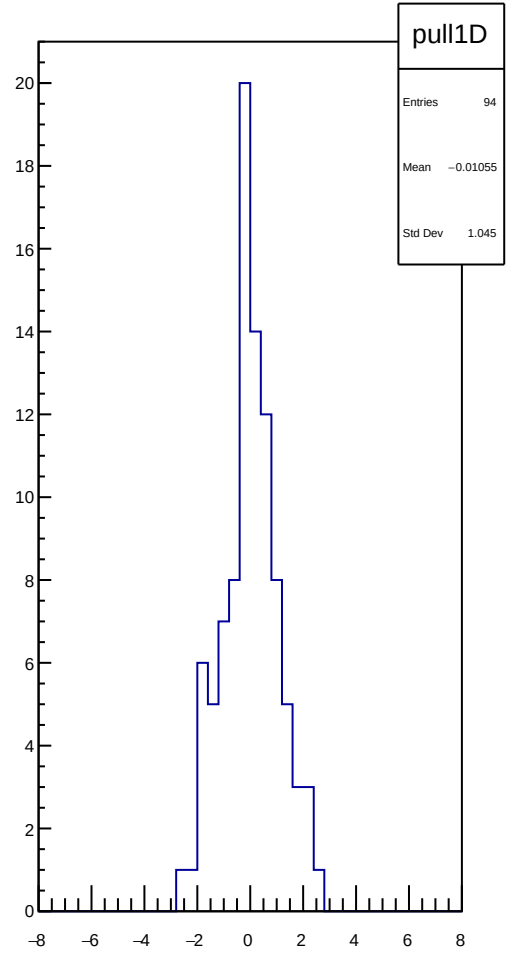

dit_asym_atl1_rms vs run
χ² / ndf 4994 / 93
p0 2493 ± 1.869
2700
2600
2500
2400
2300

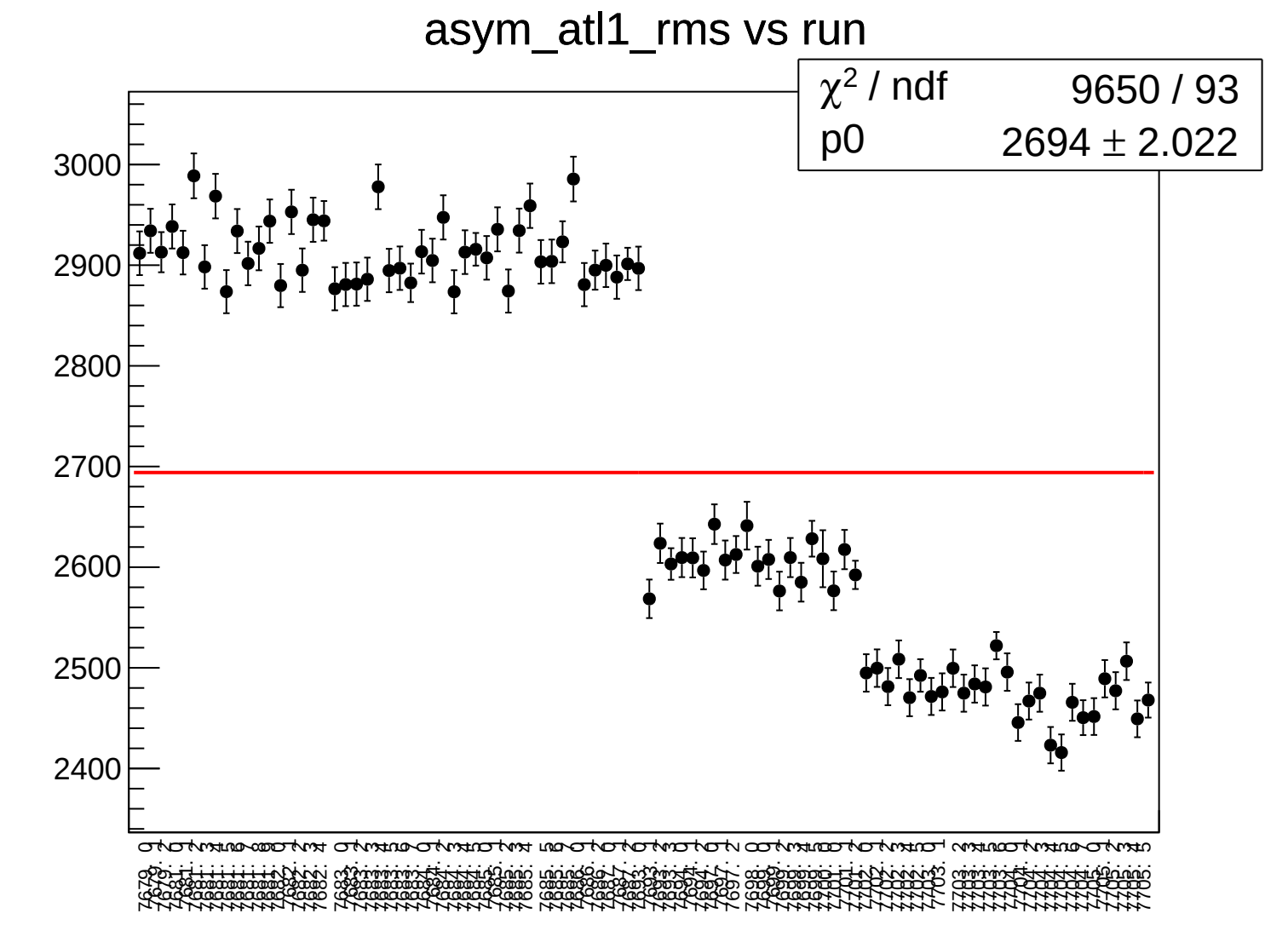

asym_atl1_correction_mean vs run
χ² / ndf 78.13 / 93
p0 −194.4 ± 967.1
pull
Entries 94
Mean −38.79
Std Dev 88.53

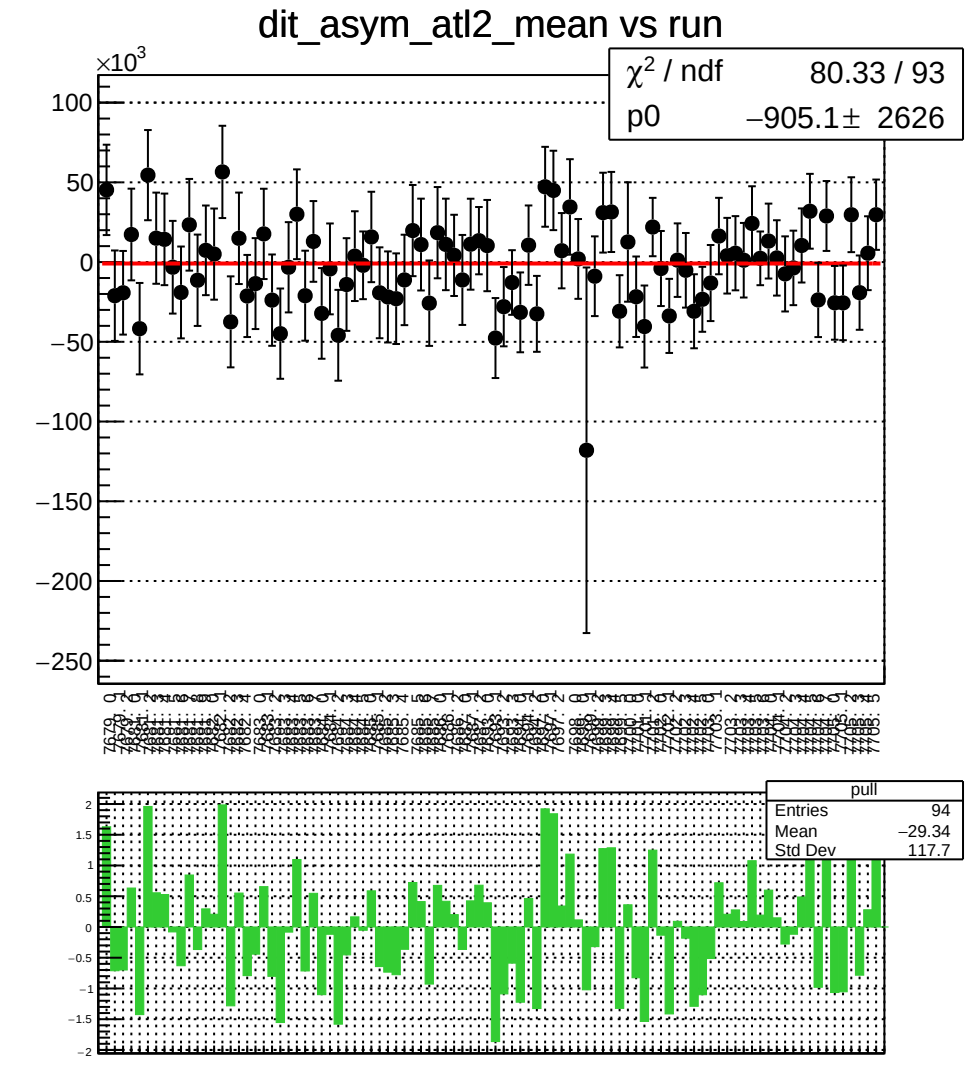

pull1D
Entries 94
Mean −0.05543
Std Dev 0.91

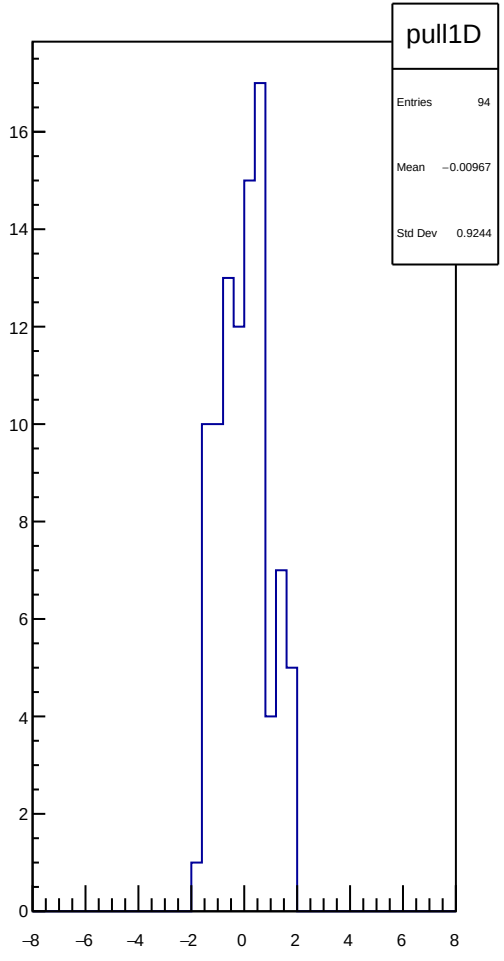

asym_atl1_correction_rms vs run
χ² / ndf 1.361e+05 / 93
p0 878.1 ± 0.6838
1300
1200
1100
1000
900
800
700
600

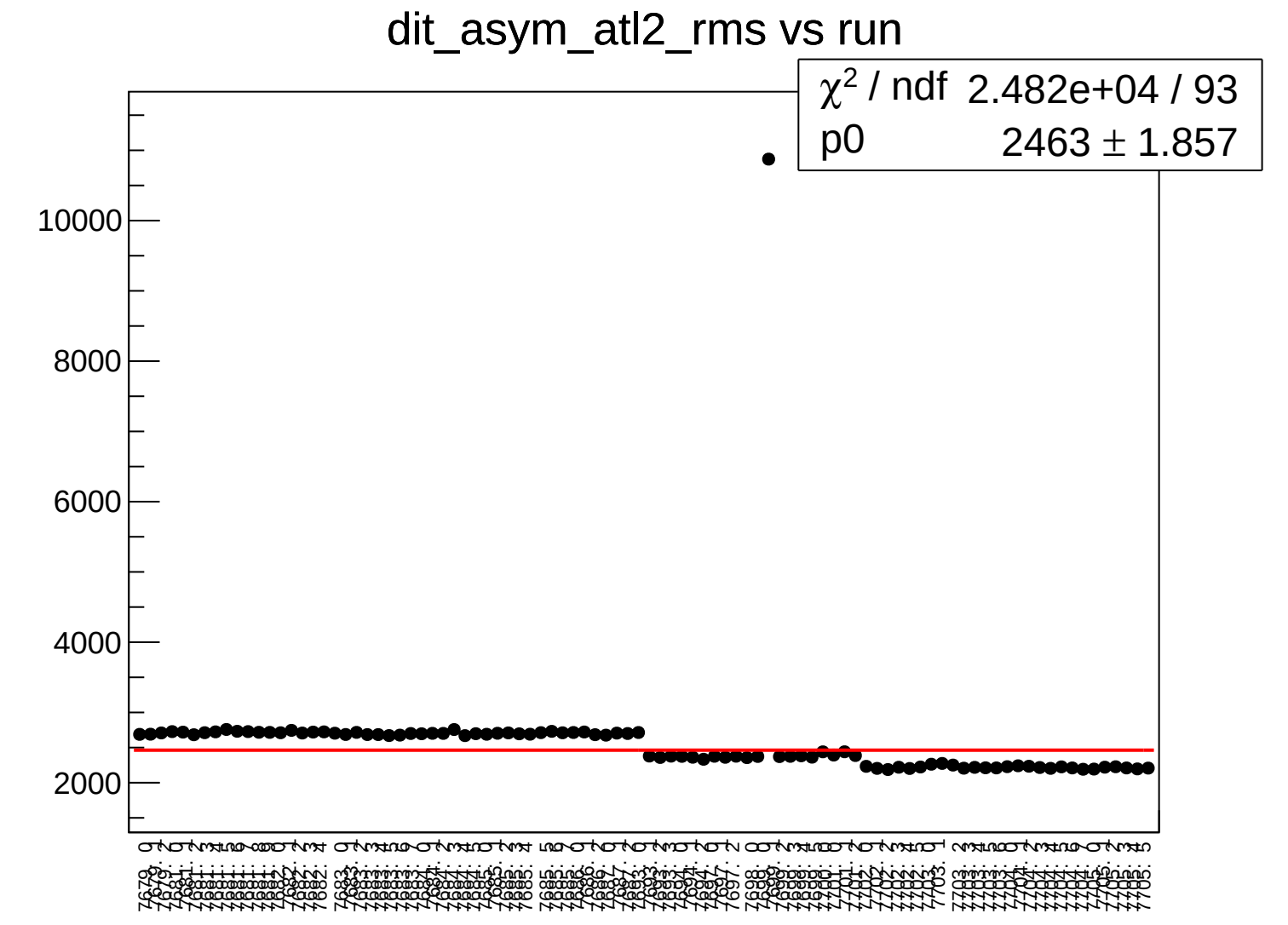

asym_atl1_mean vs run
χ² / ndf 102.7 / 93
p0 −2115 ± 2859
×10³
100
50
0
−50
−100
pull
Entries 94
Mean 3.562
Std Dev 11.79
2
1
0
−1
−2

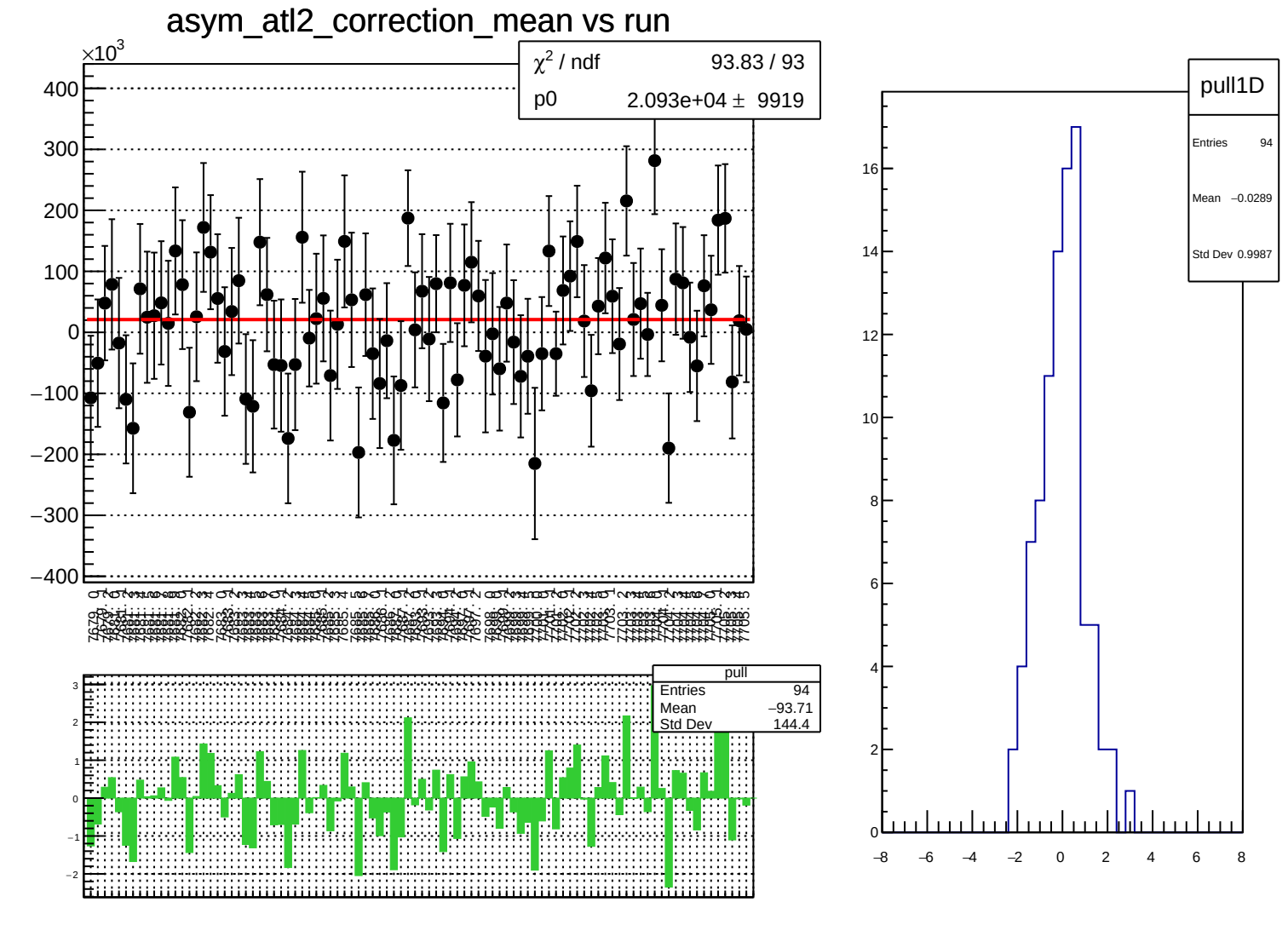

pull1D
Entries 94
Mean −0.01055
Std Dev 1.045
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

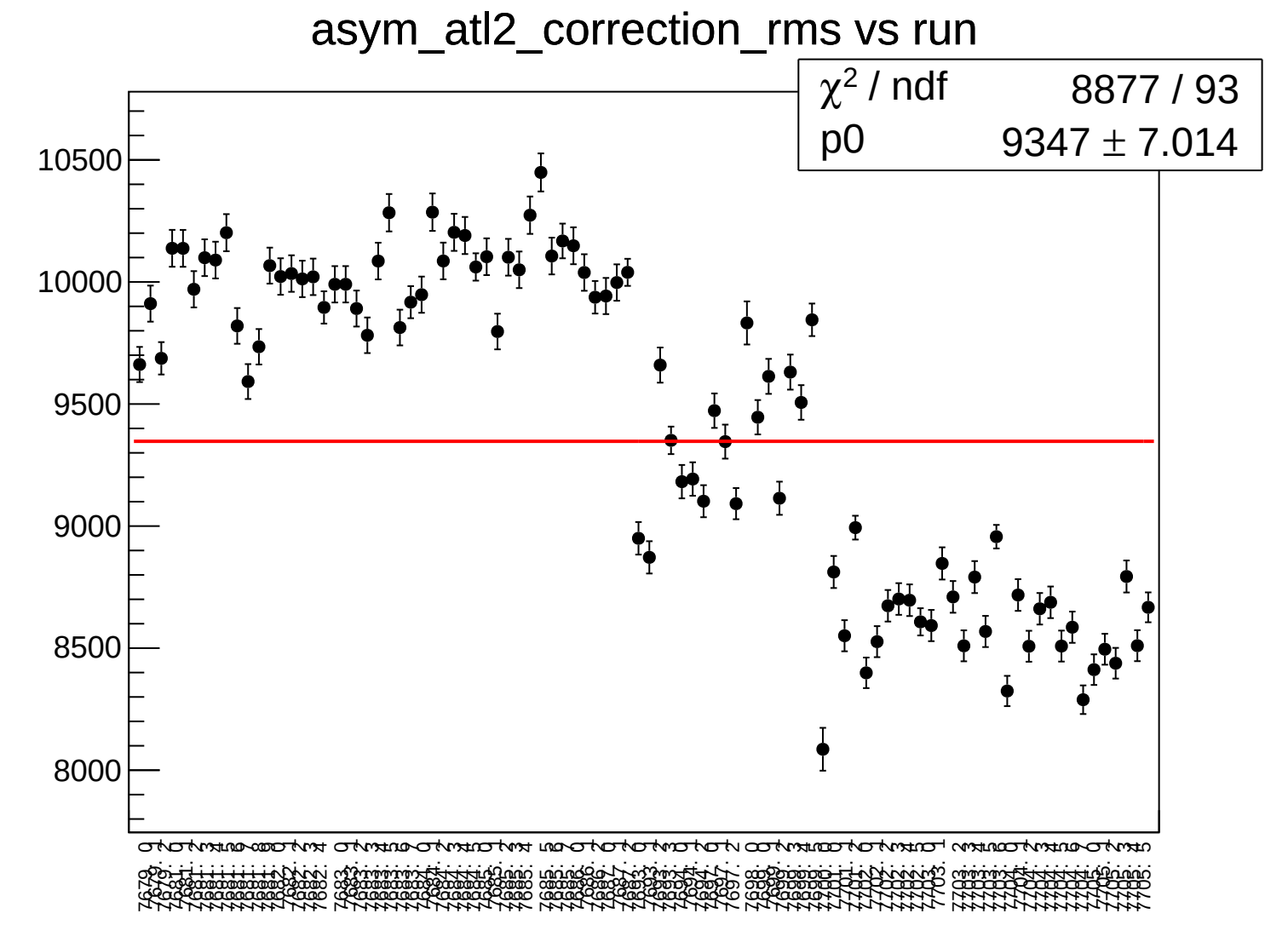

asym_atl1_rms vs run
χ^2 / ndf 9650 / 93
p0 2694 ± 2.022
3000
2900
2800
2700
2600
2500
2400

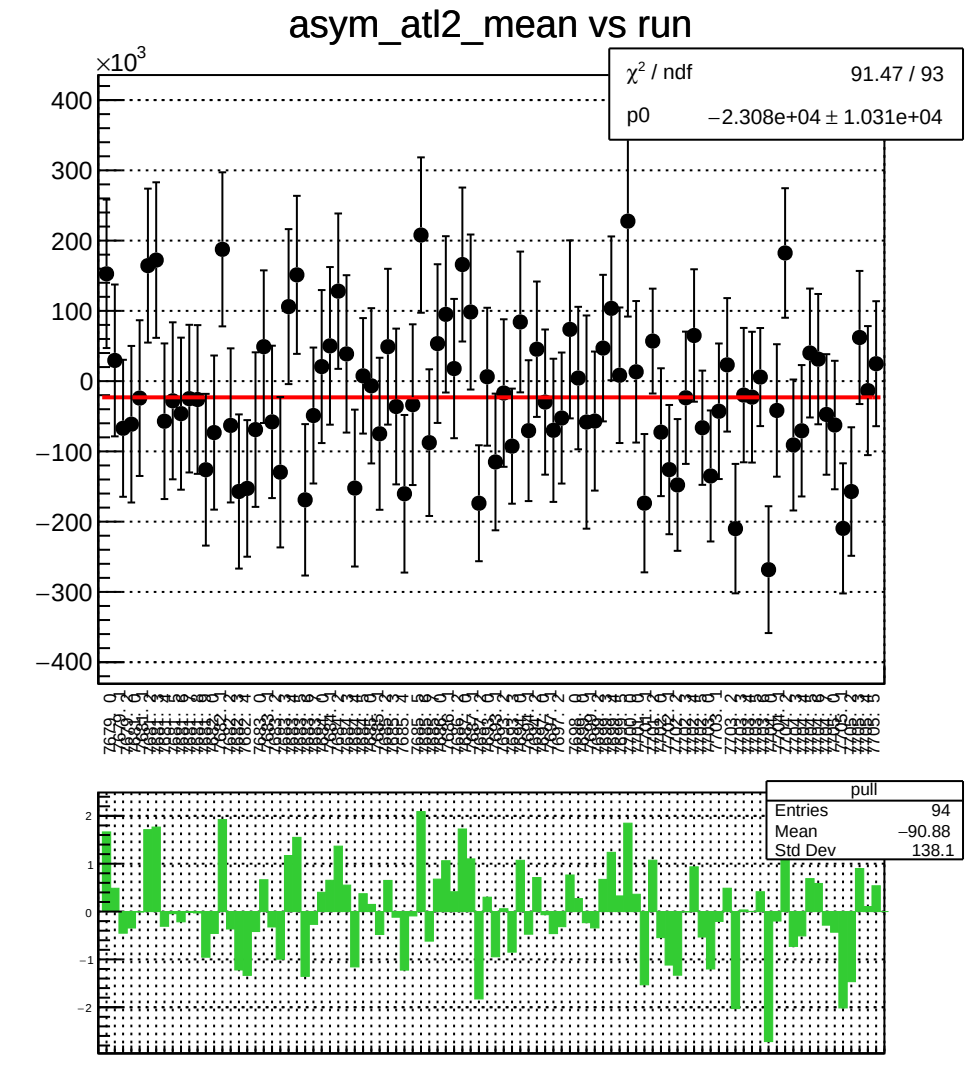

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 80.33 / 93
p0 −905.1± 2626
pull
Entries 94
Mean −29.34
Std Dev 117.7

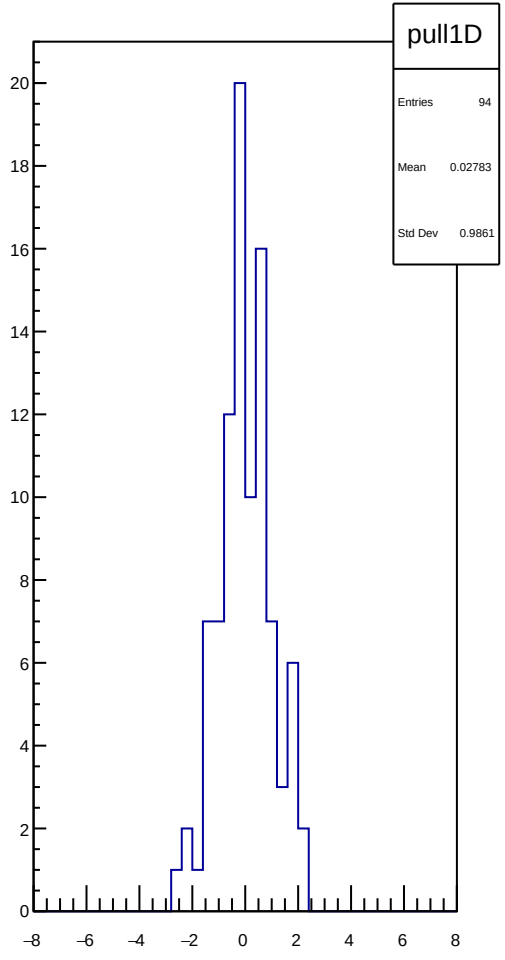

pull1D
Entries 94
Mean −0.00967
Std Dev 0.9244

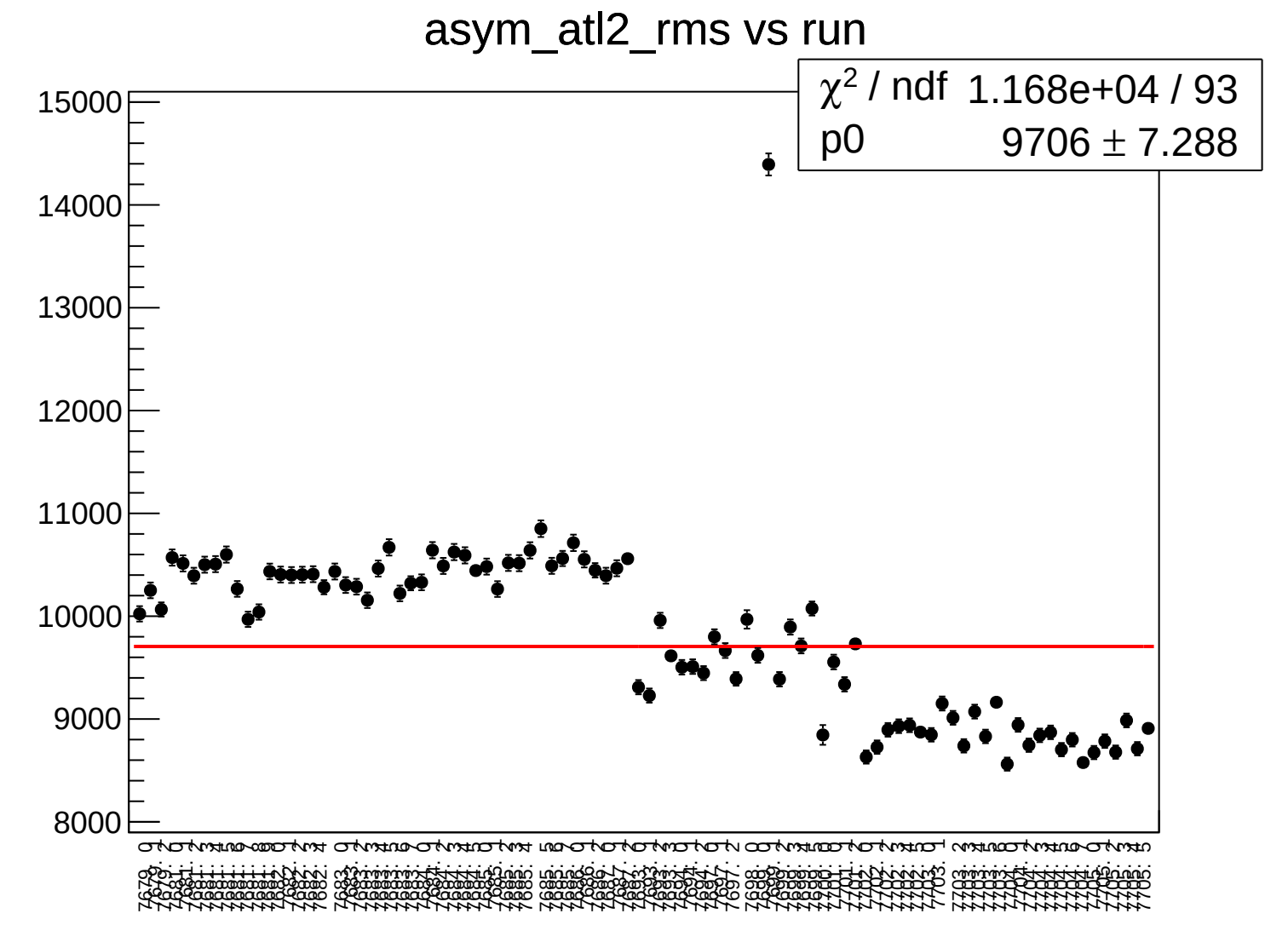

dit_asym_atl2_rms vs run
χ² / ndf 2.482e+04 / 93
p0 2463 ± 1.857
10000
8000
6000
4000
2000

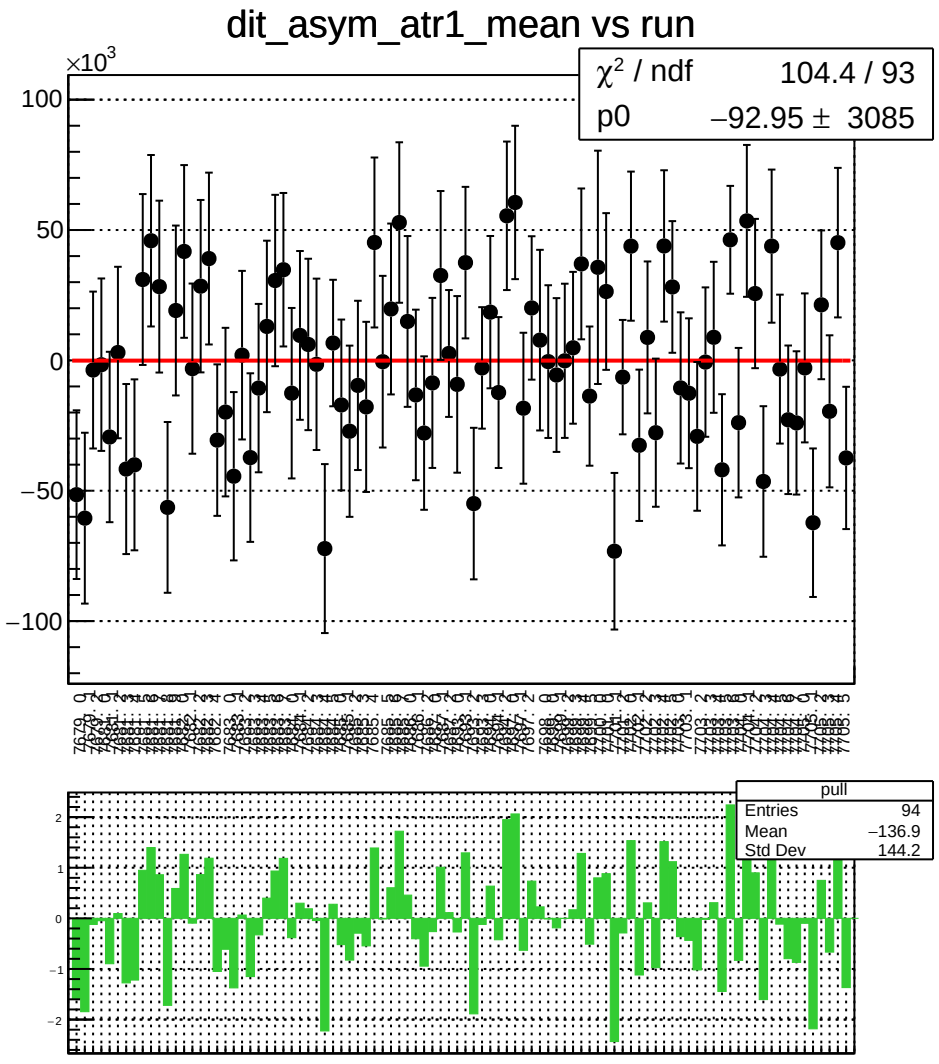

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 93.83 / 93
p0 2.093e+04 ± 9919
pull
Entries 94
Mean −93.71
Std Dev 144.4
pull1D
Entries 94
Mean −0.0289
Std Dev 0.9987

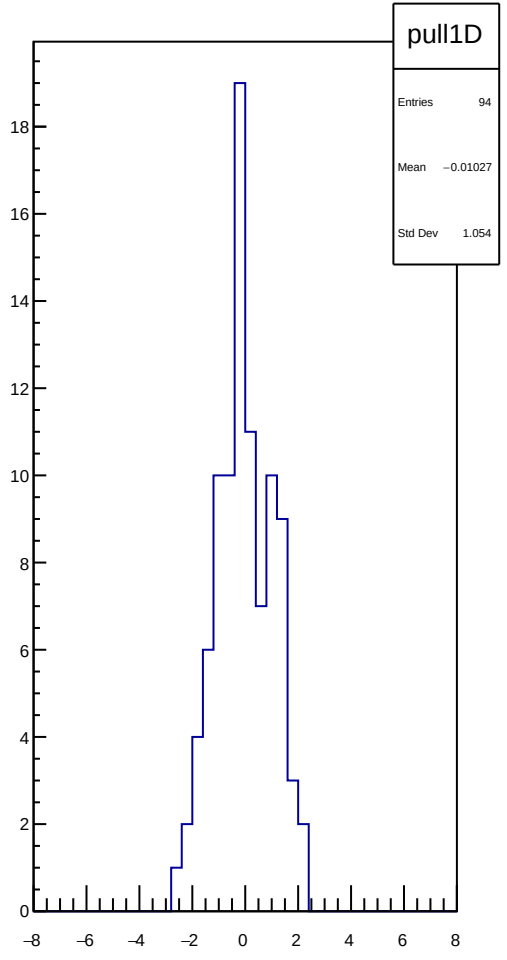

asym_atl2_correction_rms vs run
χ² / ndf 8877 / 93
p0 9347 ± 7.014
10500
10000
9500
9000
8500
8000

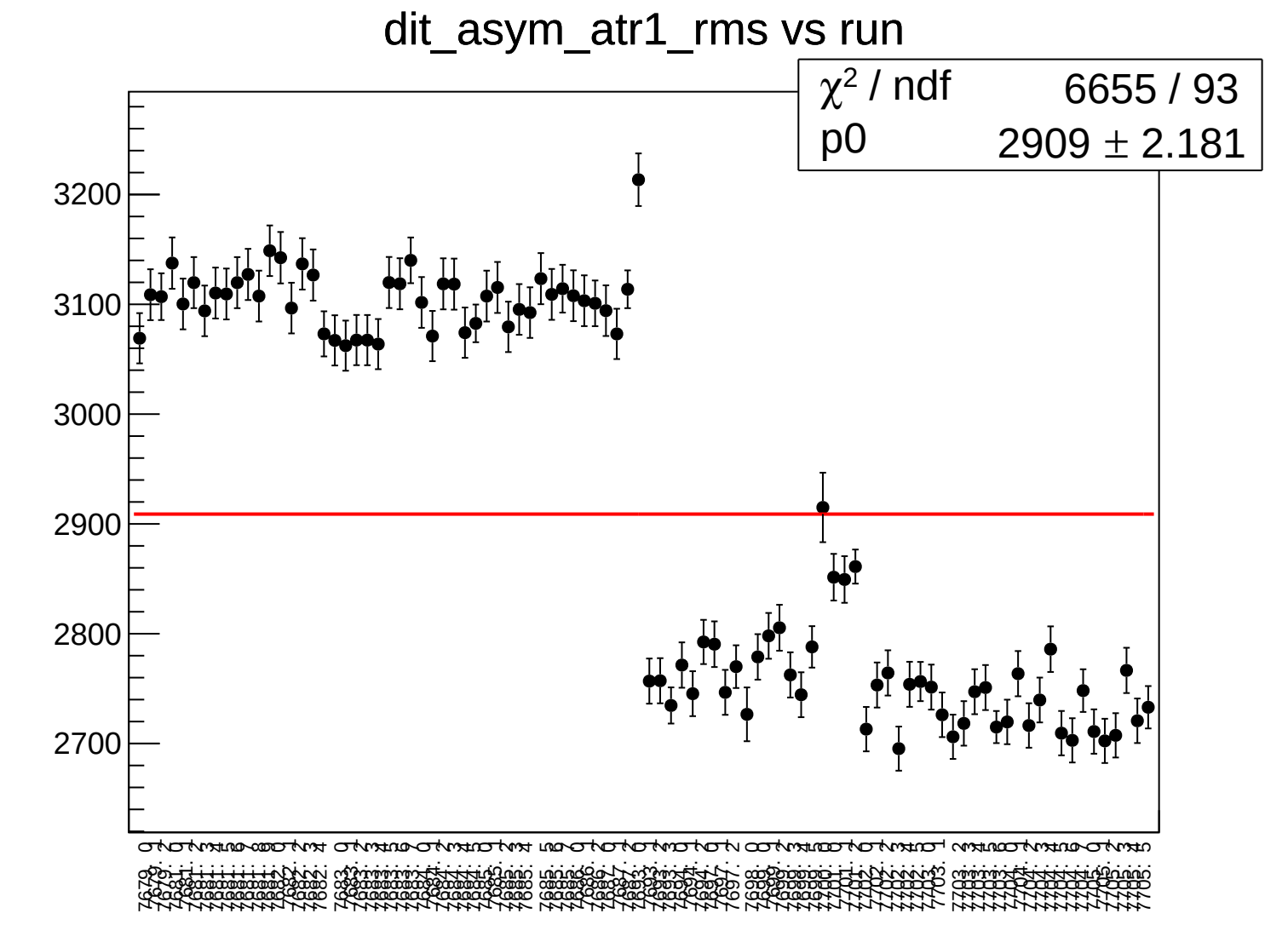

asym_atl2_mean vs run
×10^3
χ² / ndf 91.47 / 93
p0 −2.308e+04 ± 1.031e+04
pull
Entries 94
Mean −90.88
Std Dev 138.1

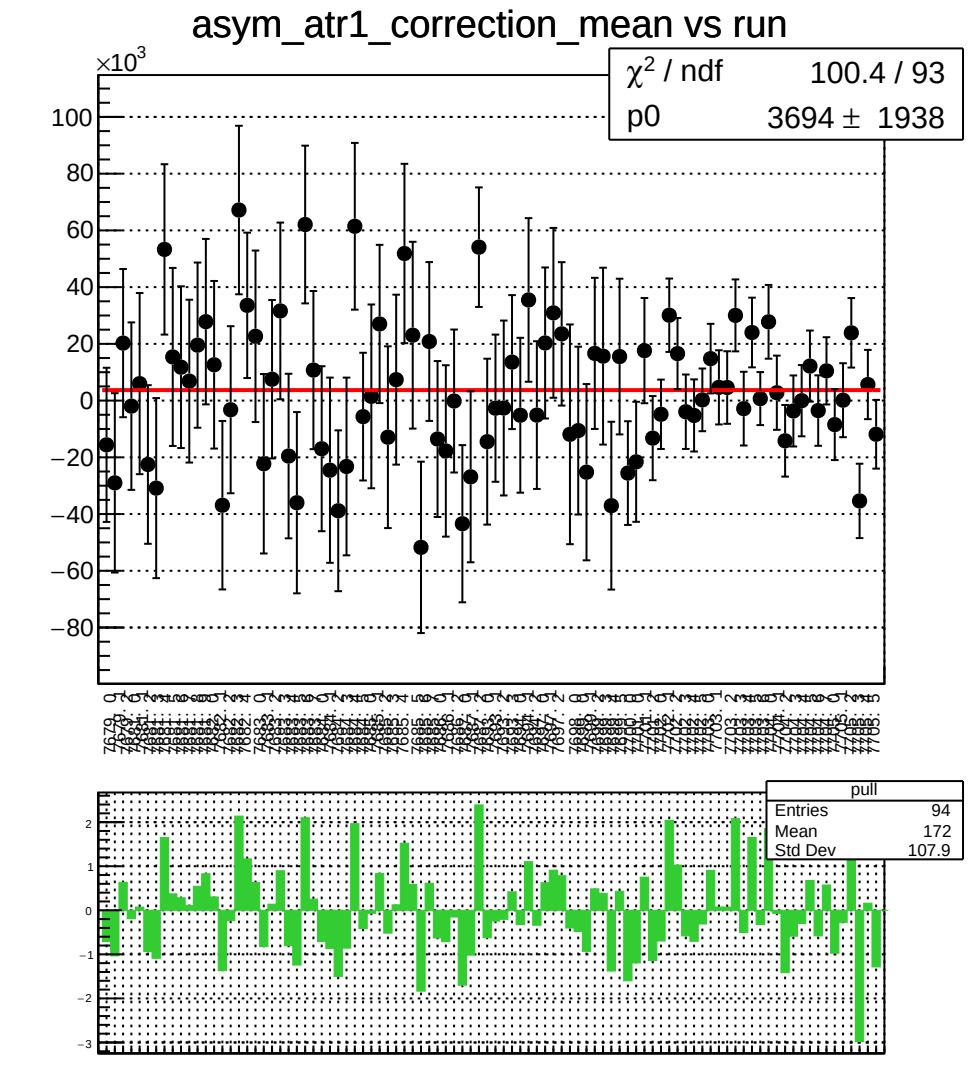

pull1D
Entries 94
Mean 0.02783
Std Dev 0.9861

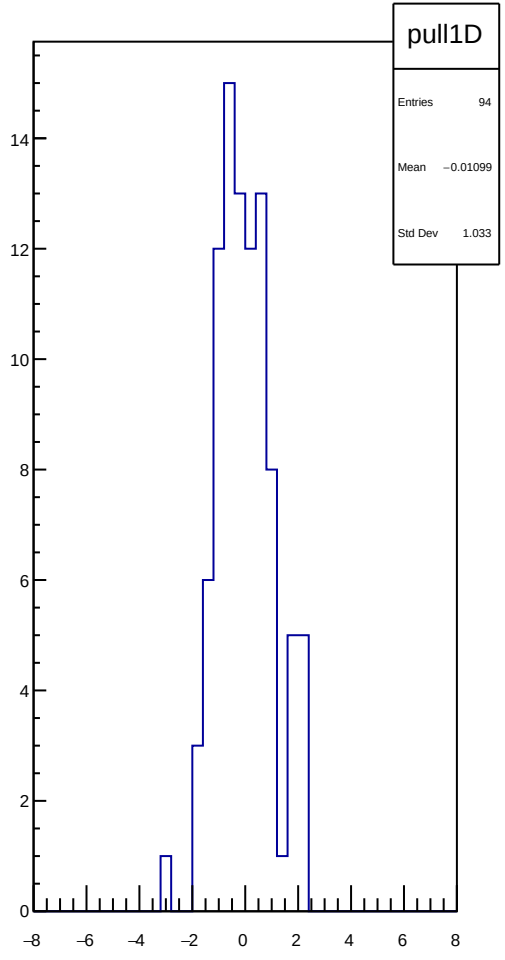

asym_atl2_rms vs run
χ² / ndf 1.168e+04 / 93
p0 9706 ± 7.288
15000
14000
13000
12000
11000
10000
9000
8000

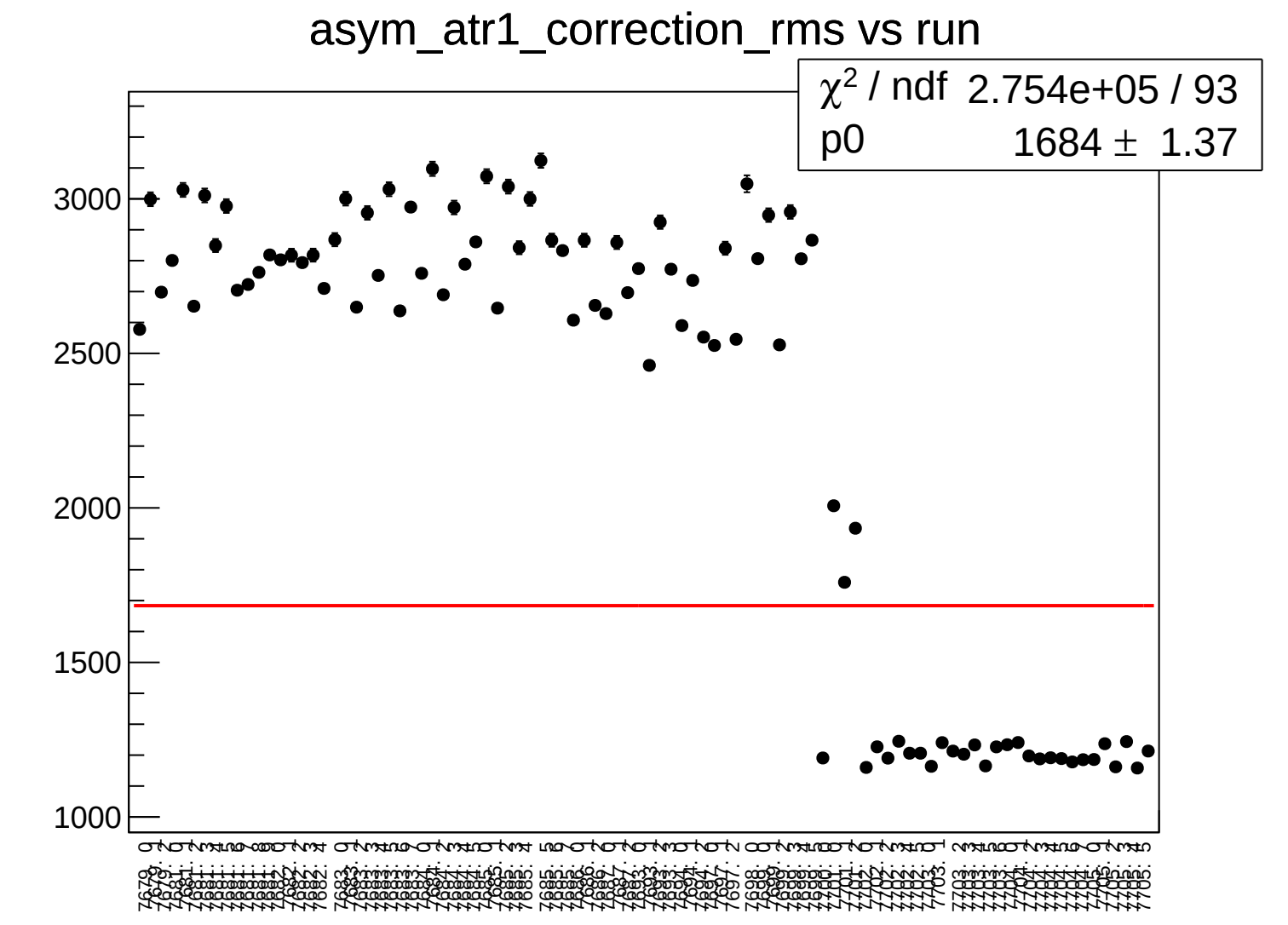

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 104.4 / 93
p0 −92.95 ± 3085
100
50
0
−50
−100
pull
Entries 94
Mean −136.9
Std Dev 144.2
2
1
0
−1
−2

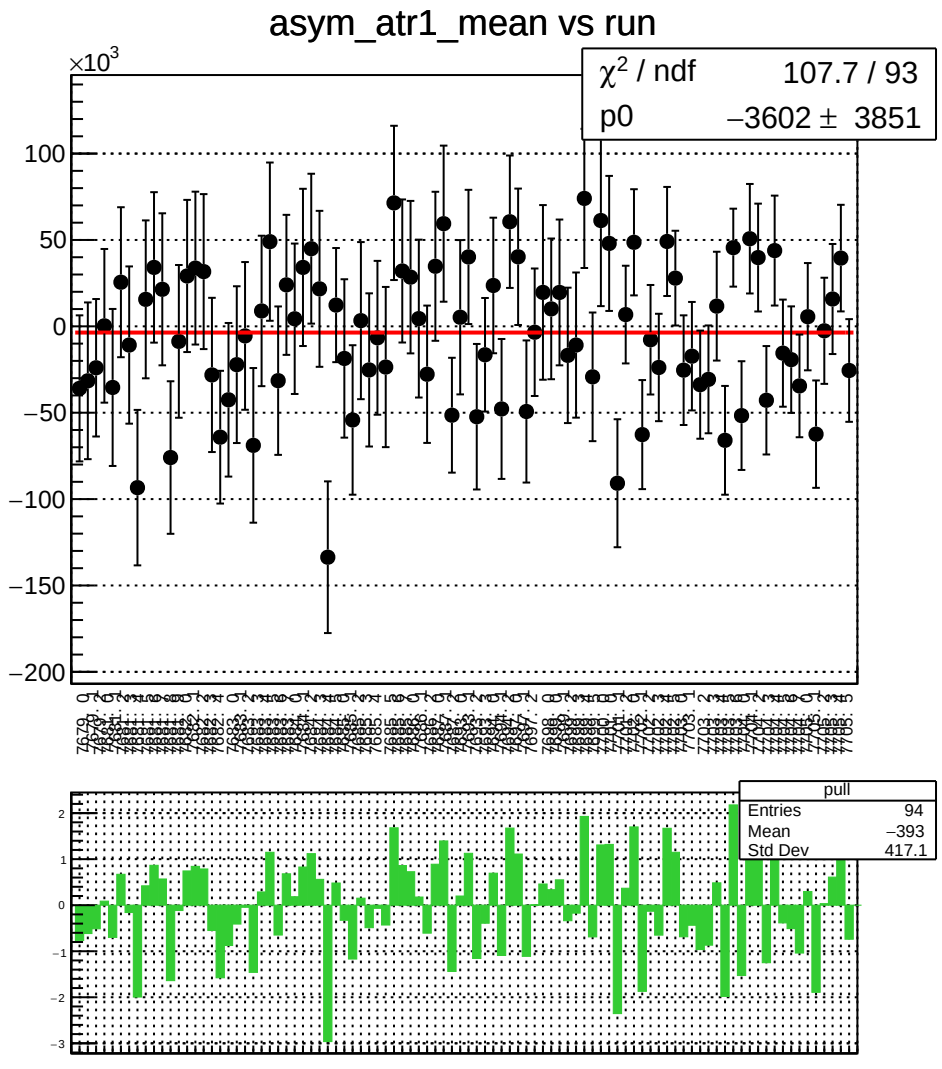

pull1D
Entries 94
Mean −0.01027
Std Dev 1.054
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

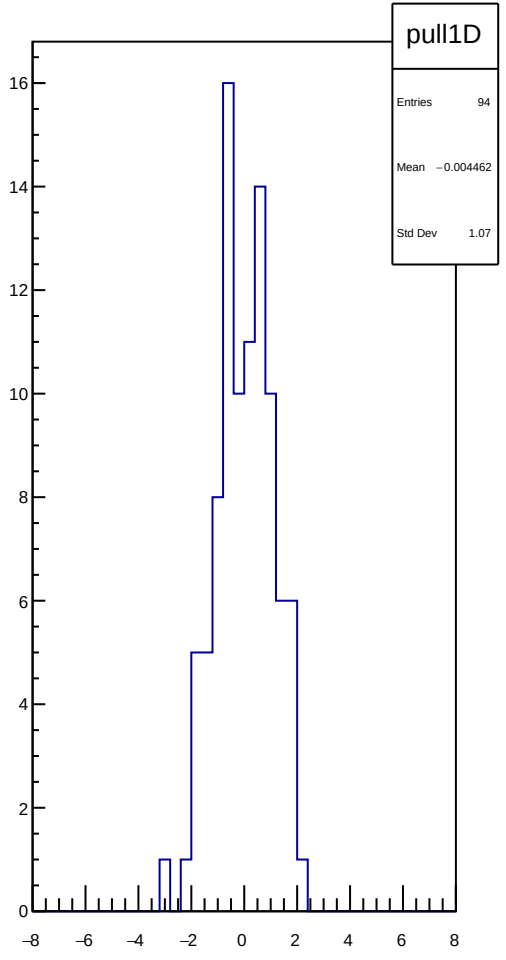

dit_asym_atr1_rms vs run
χ² / ndf 6655 / 93
p0 2909 ± 2.181
3200
3100
3000
2900
2800
2700

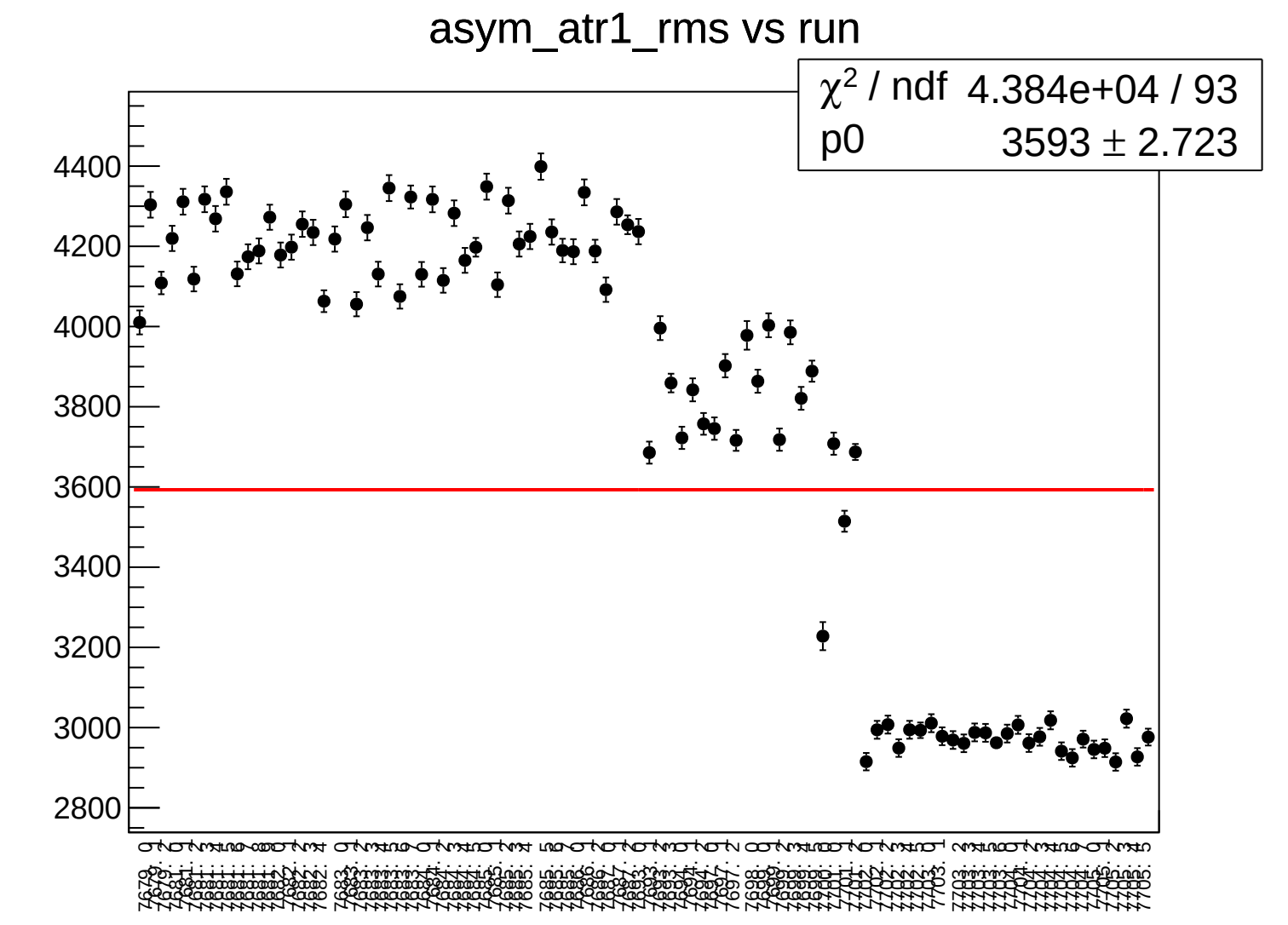

asym_atr1_correction_mean vs run
×10^3
χ² / ndf 100.4 / 93
p0 3694 ± 1938
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 94
Mean 172
Std Dev 107.9
2
1
0
−1
−2
−3

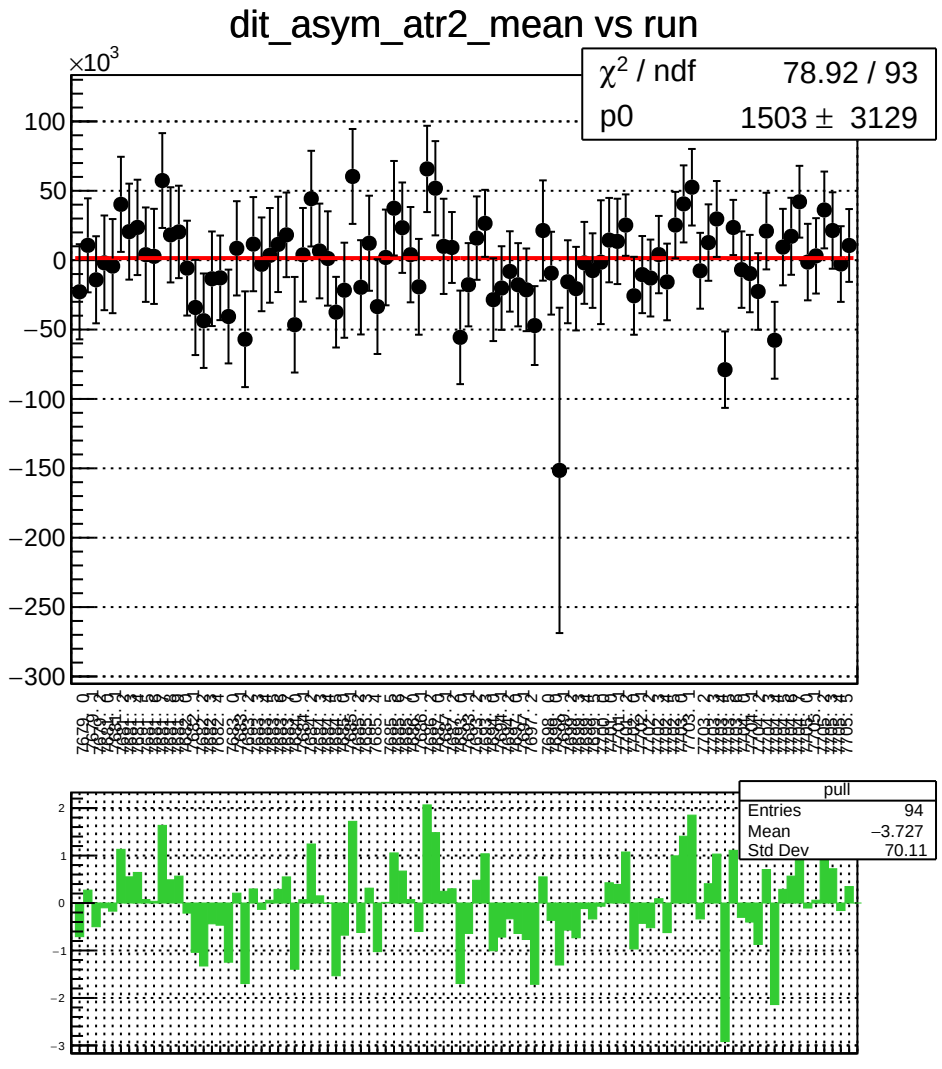

pull1D
Entries 94
Mean −0.01099
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

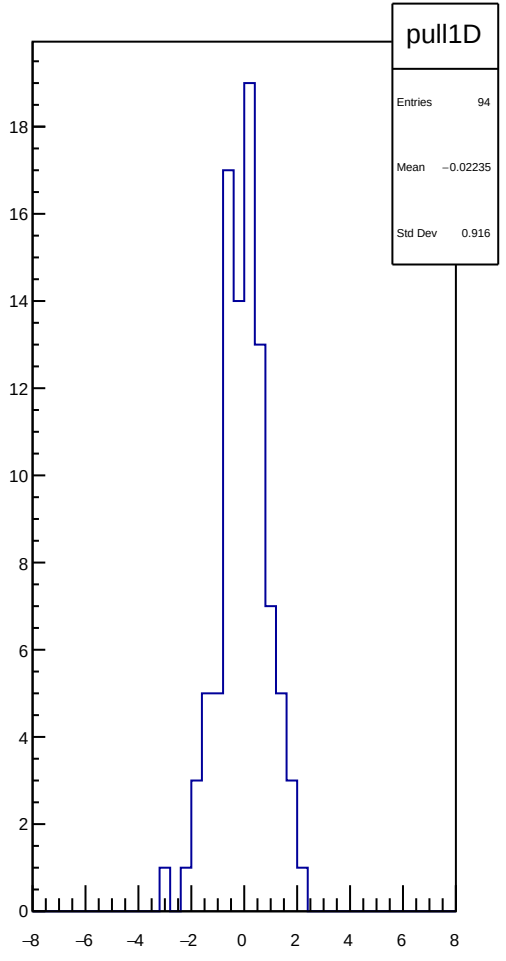

asym_atr1_correction_rms vs run
χ² / ndf 2.754e+05 / 93
p0 1684 ± 1.37
3000
2500
2000
1500
1000

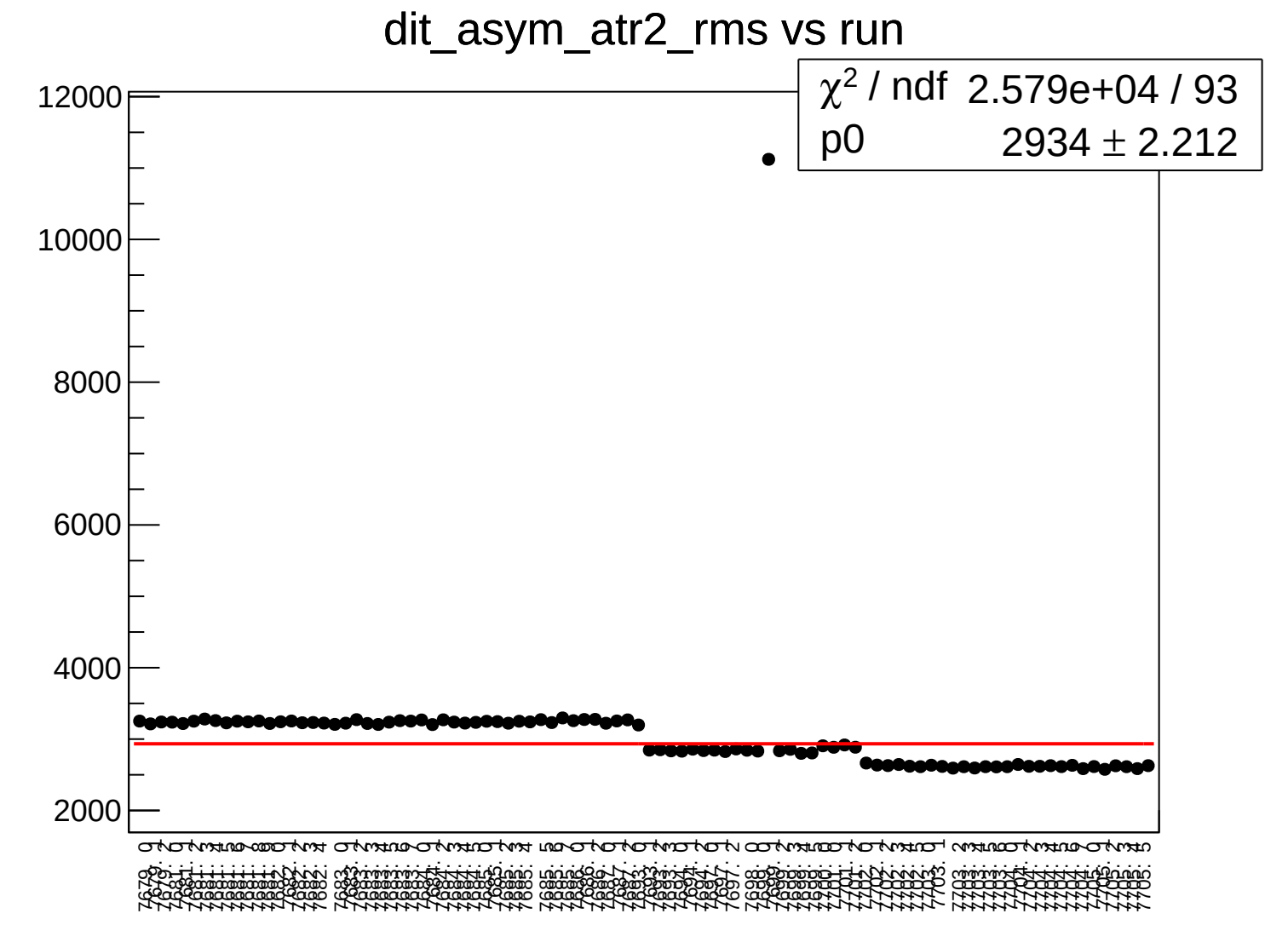

asym_atr1_mean vs run
×10^3
χ² / ndf 107.7 / 93
p0 −3602 ± 3851
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean −393
Std Dev 417.1
2
1
0
−1
−2
−3

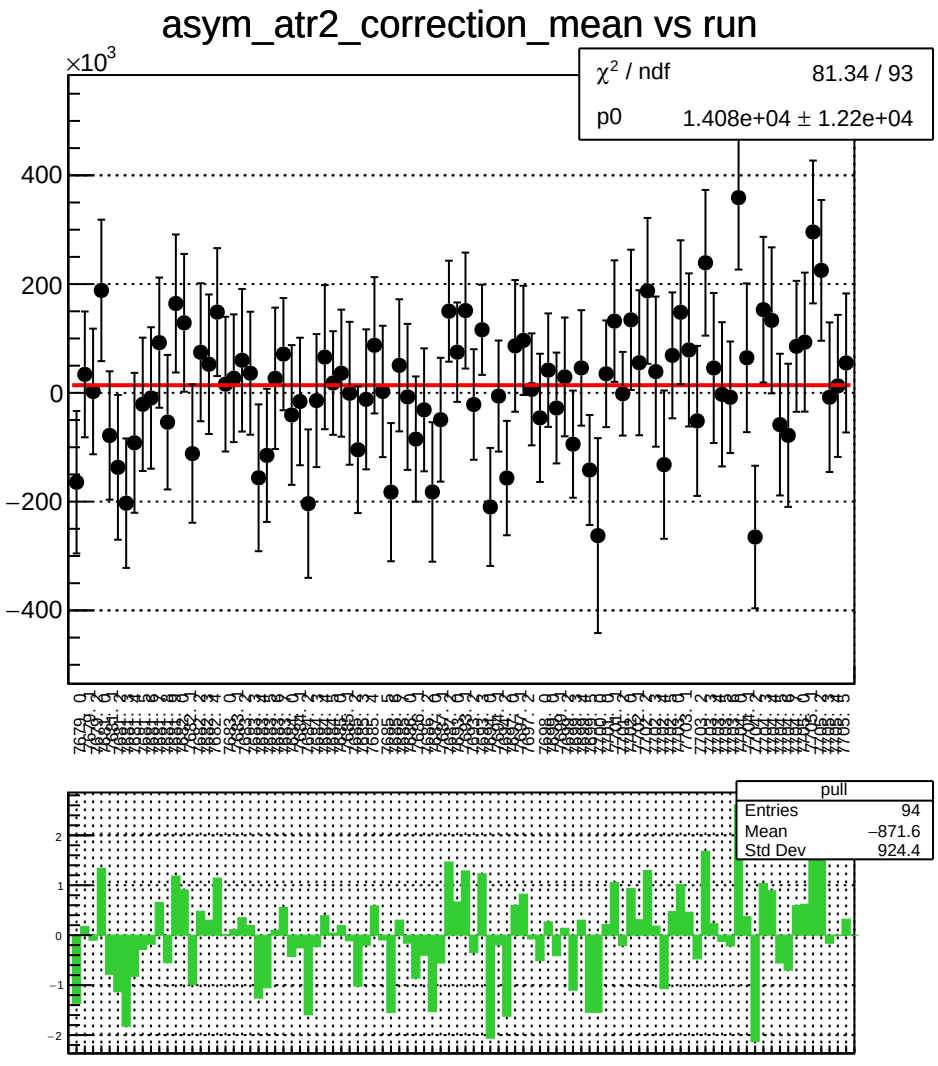

pull1D
Entries 94
Mean −0.004462
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

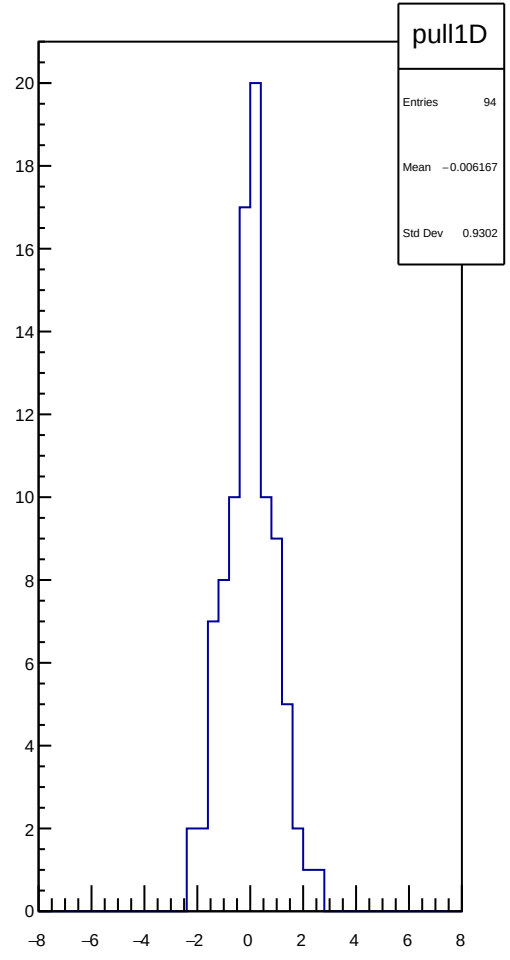

asym_atr1_rms vs run
χ^2 / ndf 4.384e+04 / 93
p0 3593 ± 2.723
4400
4200
4000
3800
3600
3400
3200
3000
2800

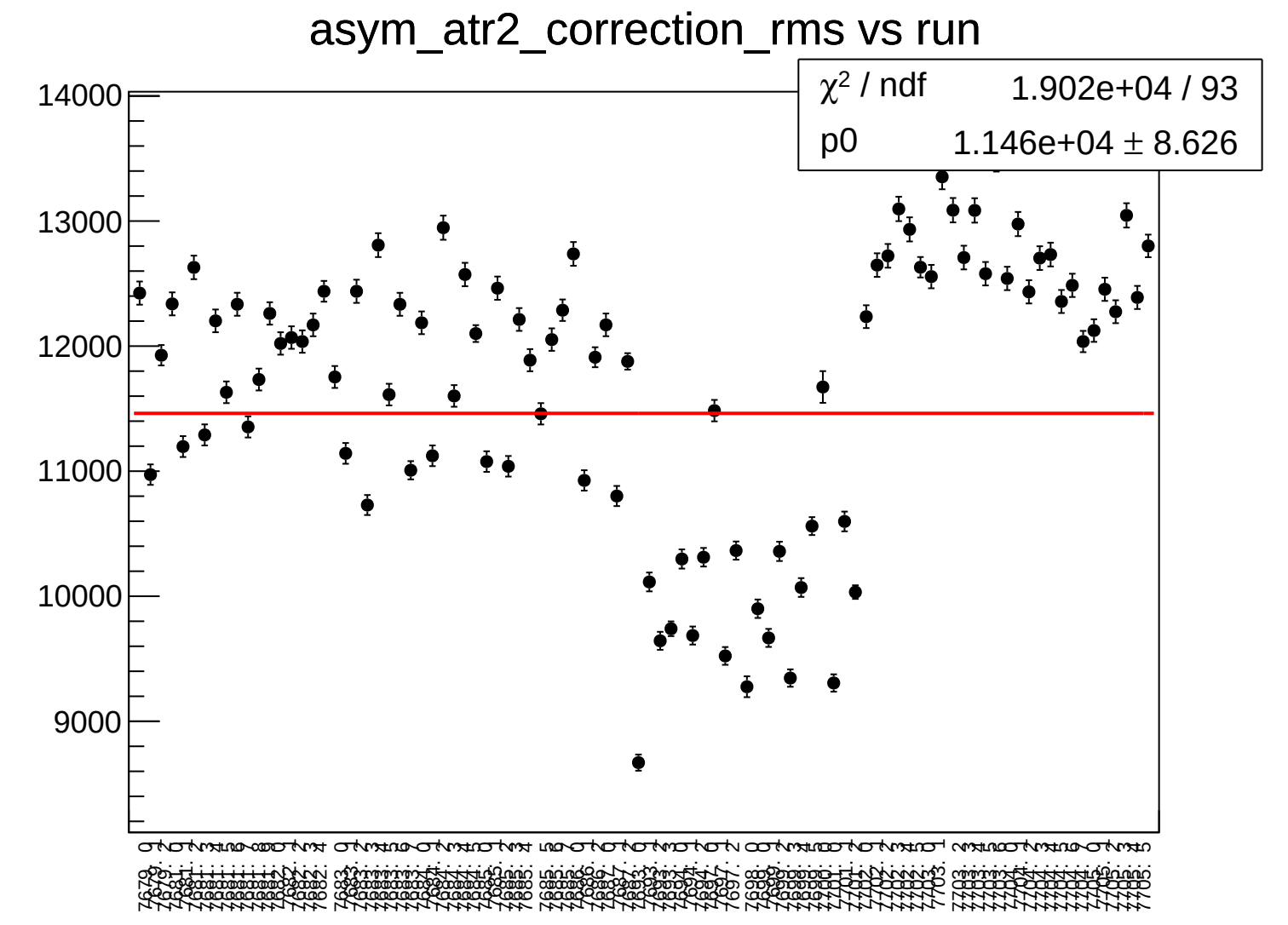

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 78.92 / 93
p0 1503 ± 3129
pull
Entries 94
Mean −3.727
Std Dev 70.11

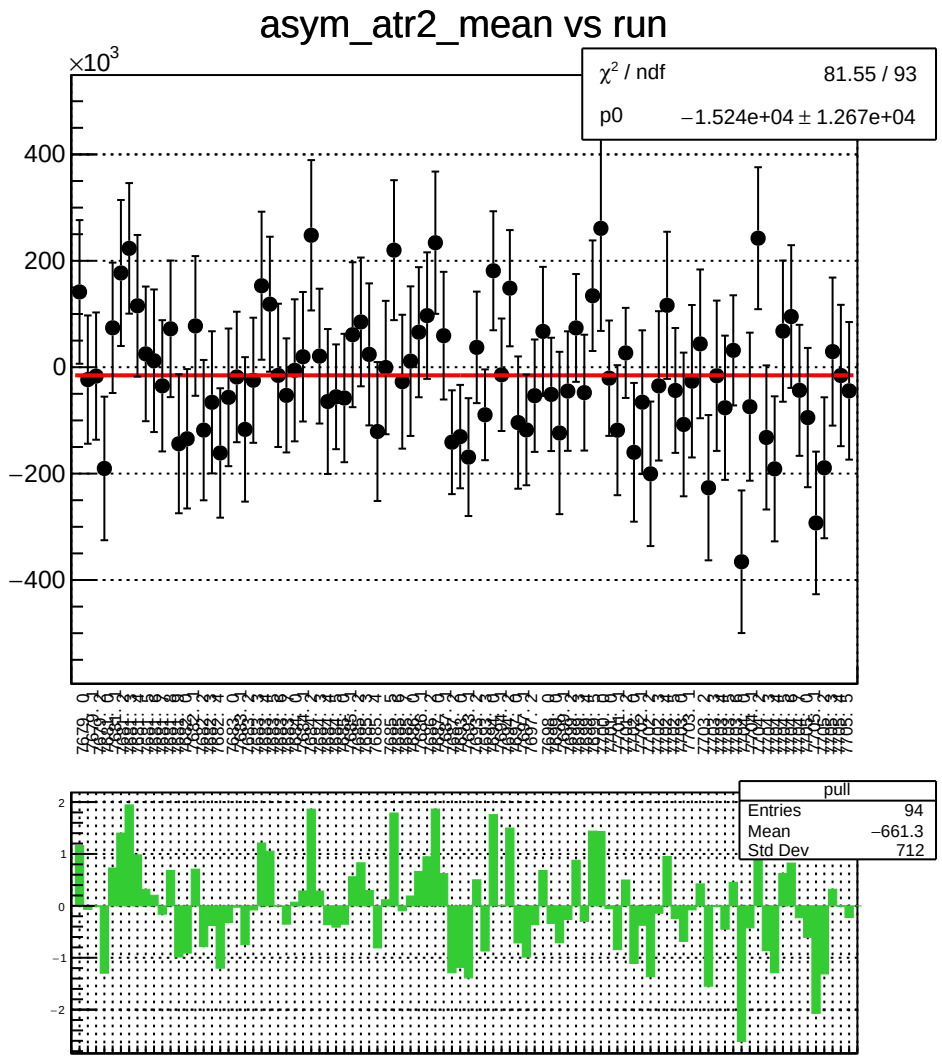

pull1D
Entries 94
Mean −0.02235
Std Dev 0.916

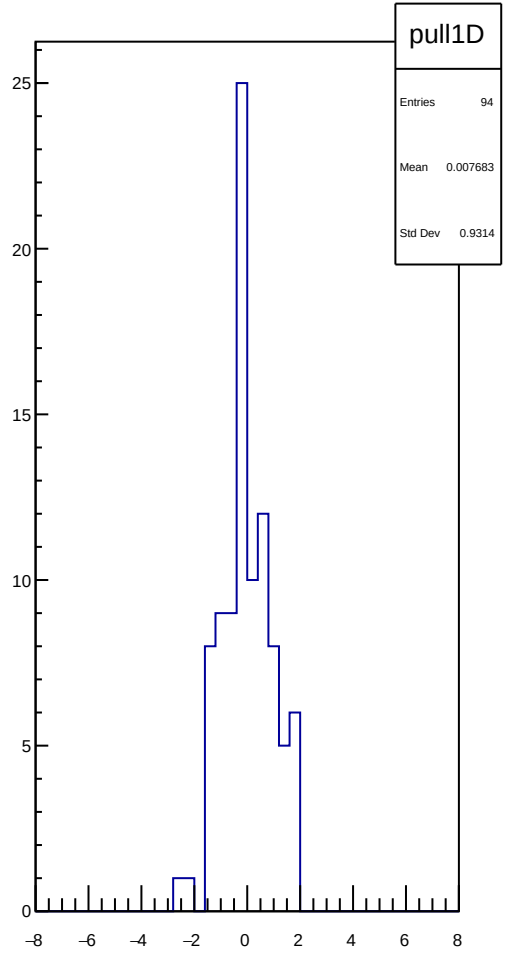

dit_asym_atr2_rms vs run
χ² / ndf 2.579e+04 / 93
p0 2934 ± 2.212
12000
10000
8000
6000
4000
2000

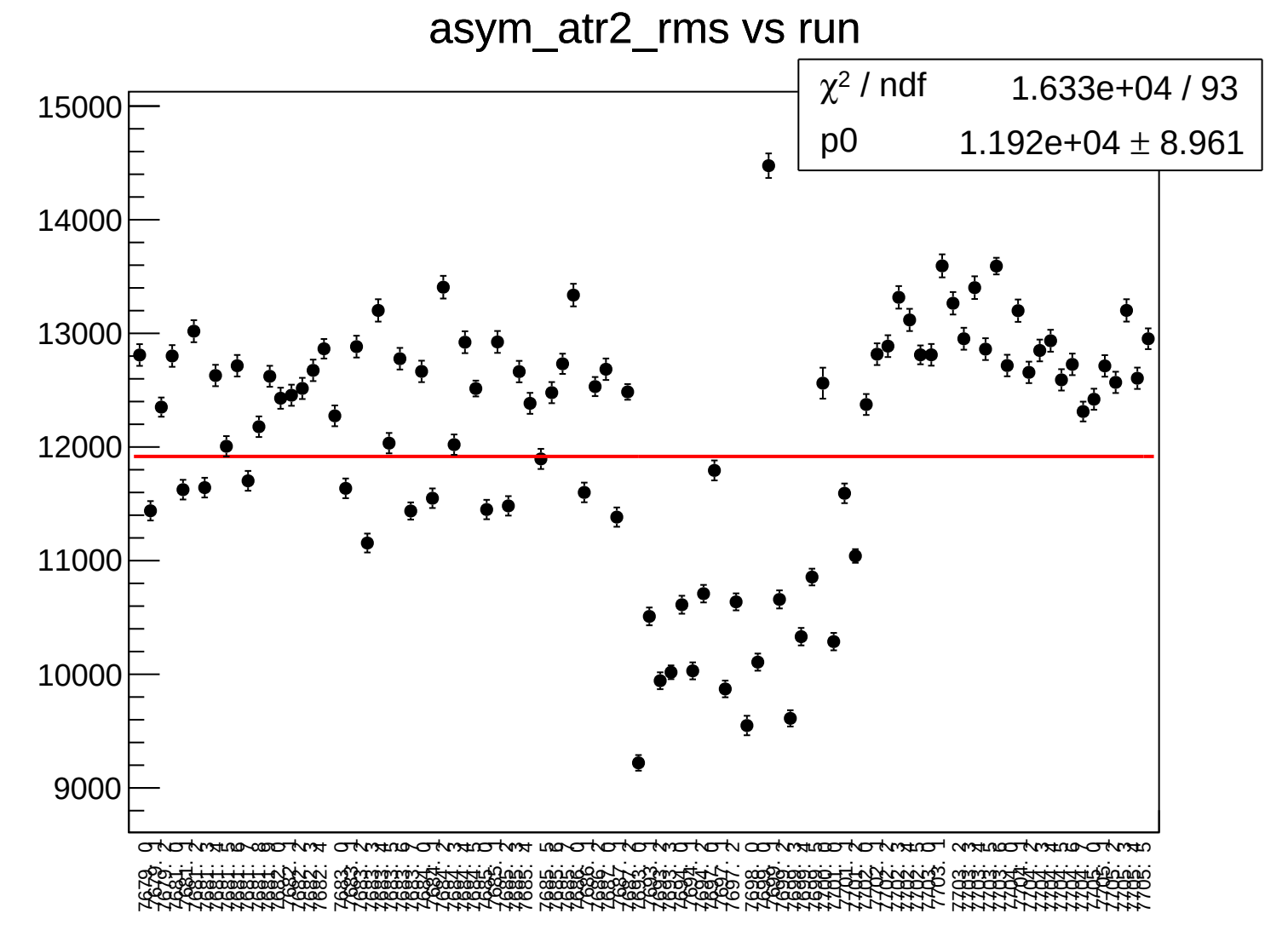

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 81.34 / 93
p0 1.408e+04 ± 1.22e+04
400
200
0
−200
−400
pull
Entries 94
Mean −871.6
Std Dev 924.4
2
1
0
−1
−2

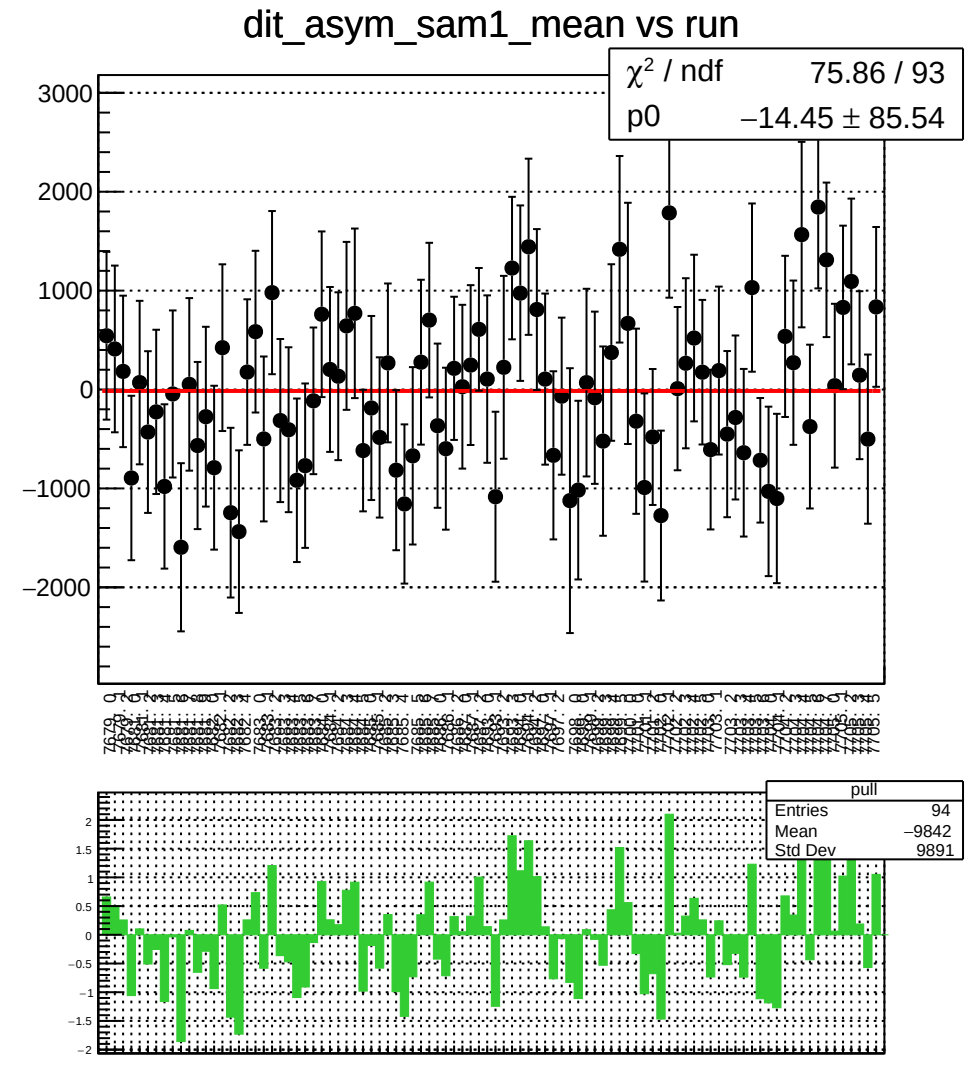

pull1D
Entries 94
Mean −0.006167
Std Dev 0.9302
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

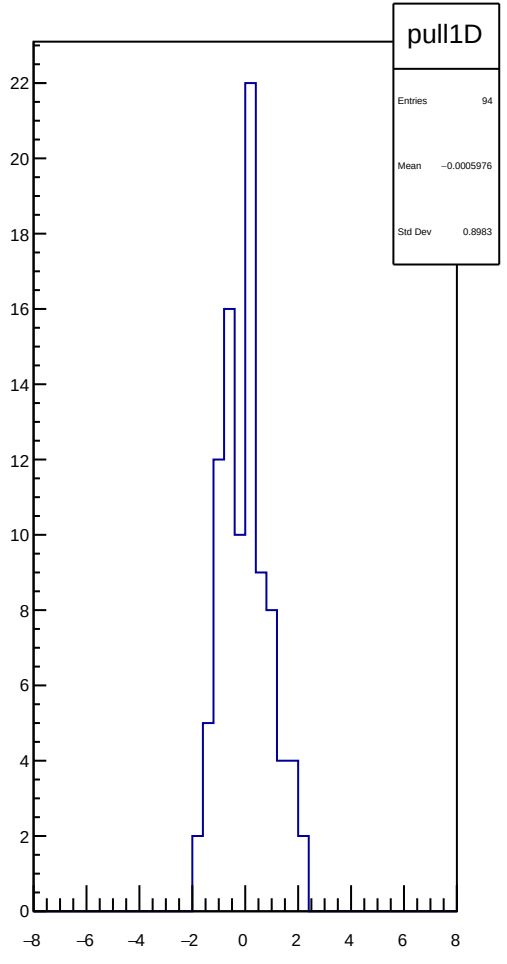

asym_atr2_correction_rms vs run
χ² / ndf 1.902e+04 / 93
p0 1.146e+04 ± 8.626
14000
13000
12000
11000
10000
9000

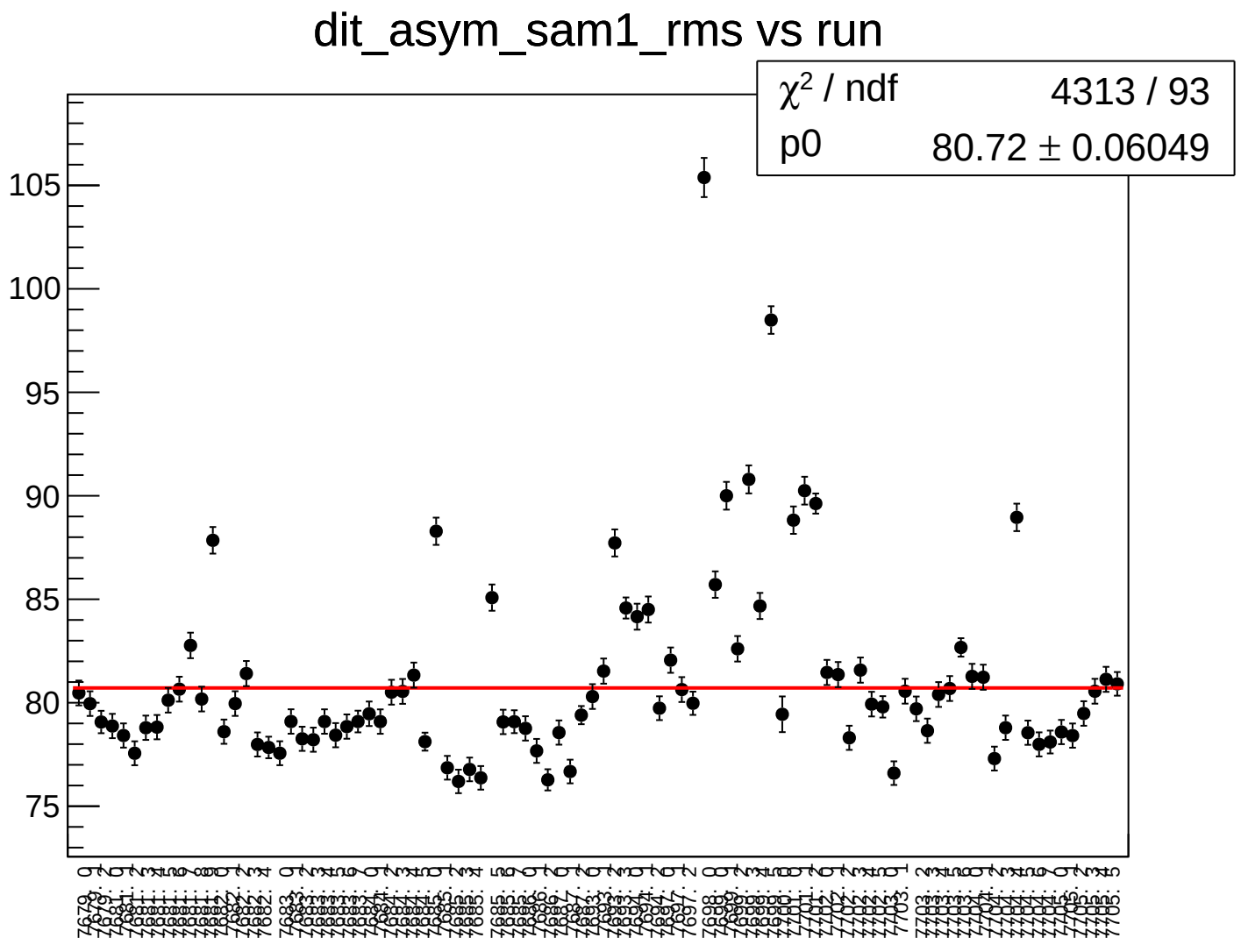

asym_atr2_mean vs run
×10^3
χ² / ndf 81.55 / 93
p0 −1.524e+04 ± 1.267e+04
400
200
0
−200
−400
pull
Entries 94
Mean −661.3
Std Dev 712
2
1
0
−1
−2

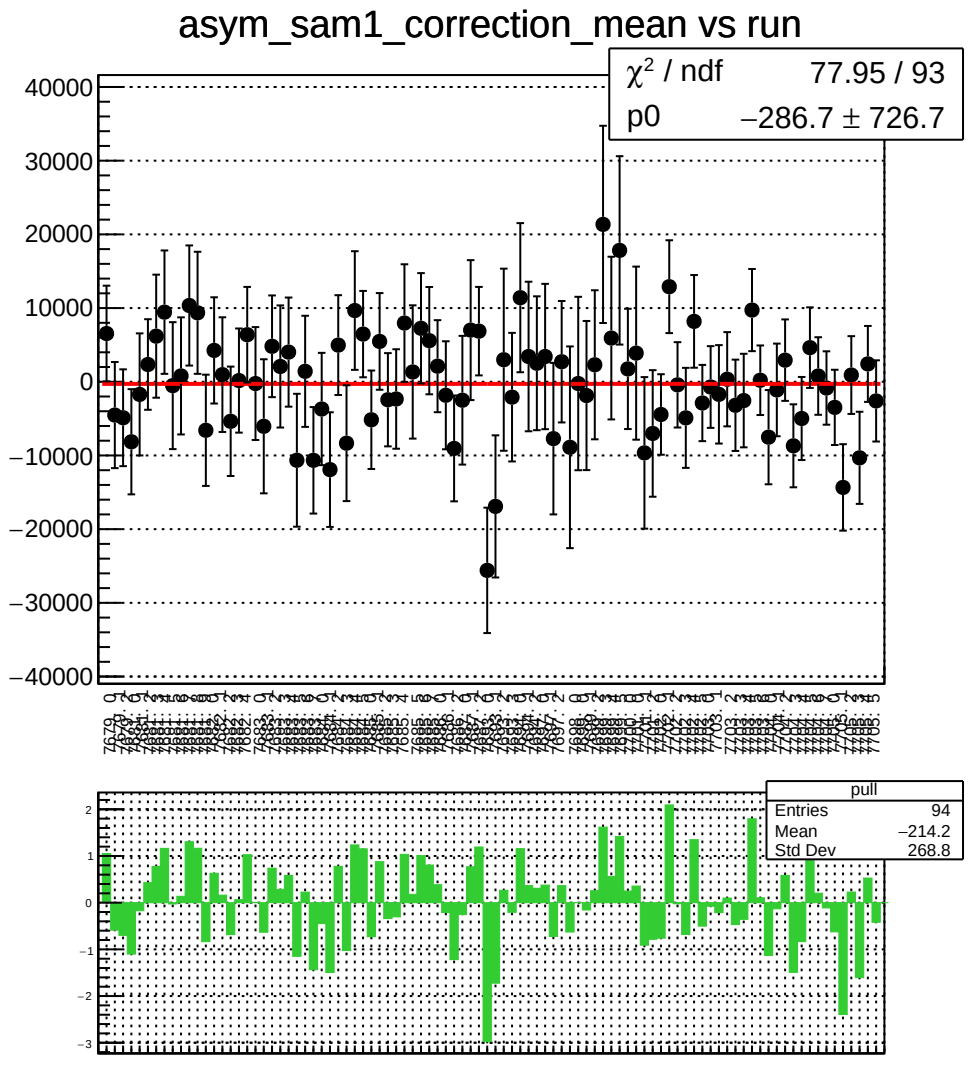

pull1D
Entries 94
Mean 0.007683
Std Dev 0.9314
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

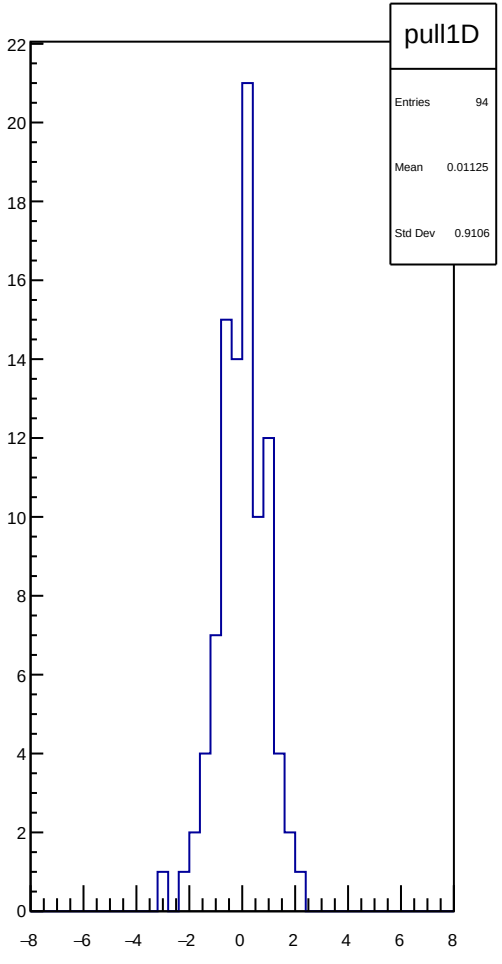

asym_atr2_rms vs run
χ² / ndf 1.633e+04 / 93
p0 1.192e+04 ± 8.961
15000
14000
13000
12000
11000
10000
9000

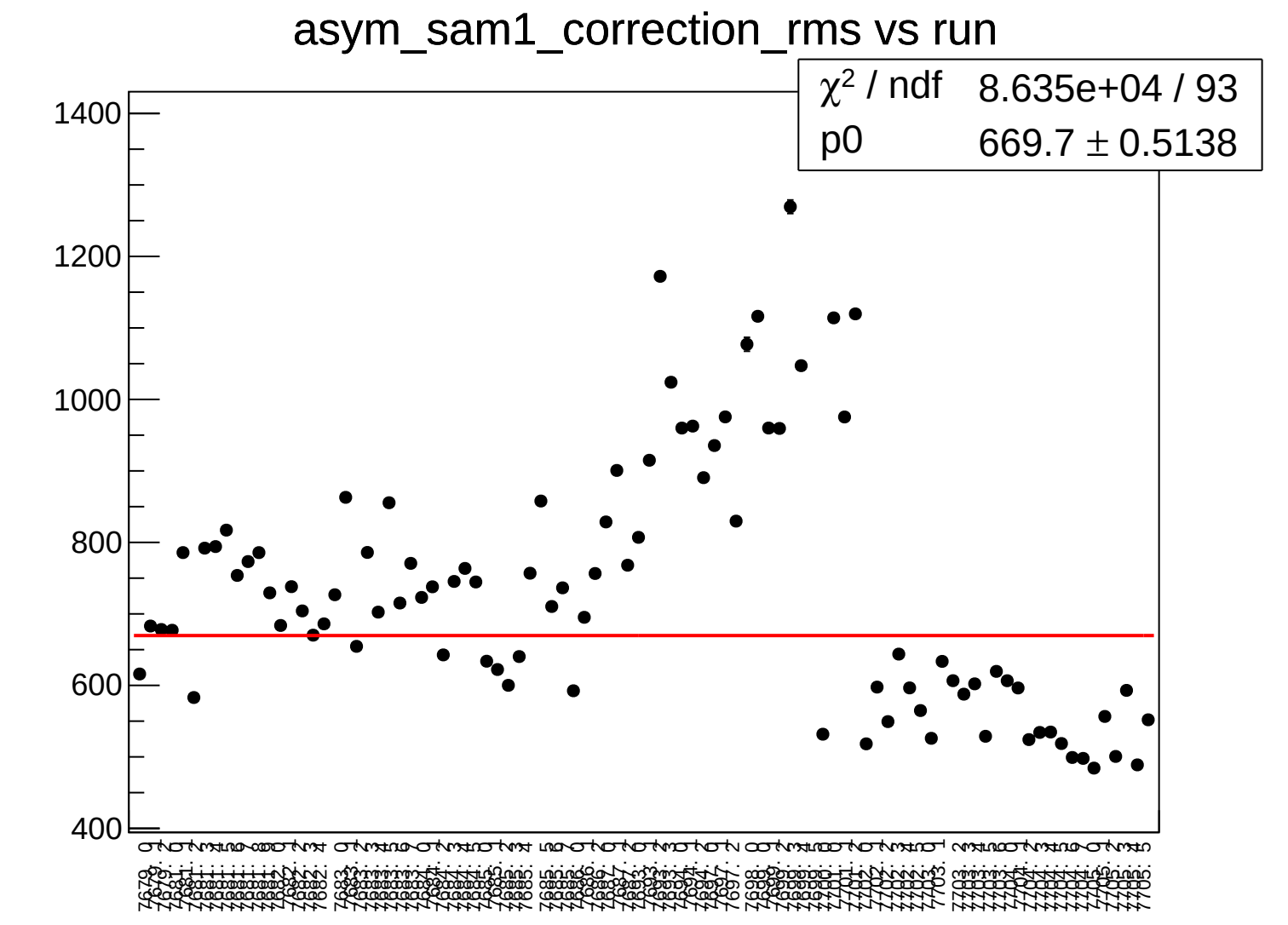

dit_asym_sam1_mean vs run
χ² / ndf 75.86 / 93
p0 −14.45 ± 85.54
3000
2000
1000
0
−1000
−2000
pull
Entries 94
Mean −9842
Std Dev 9891
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

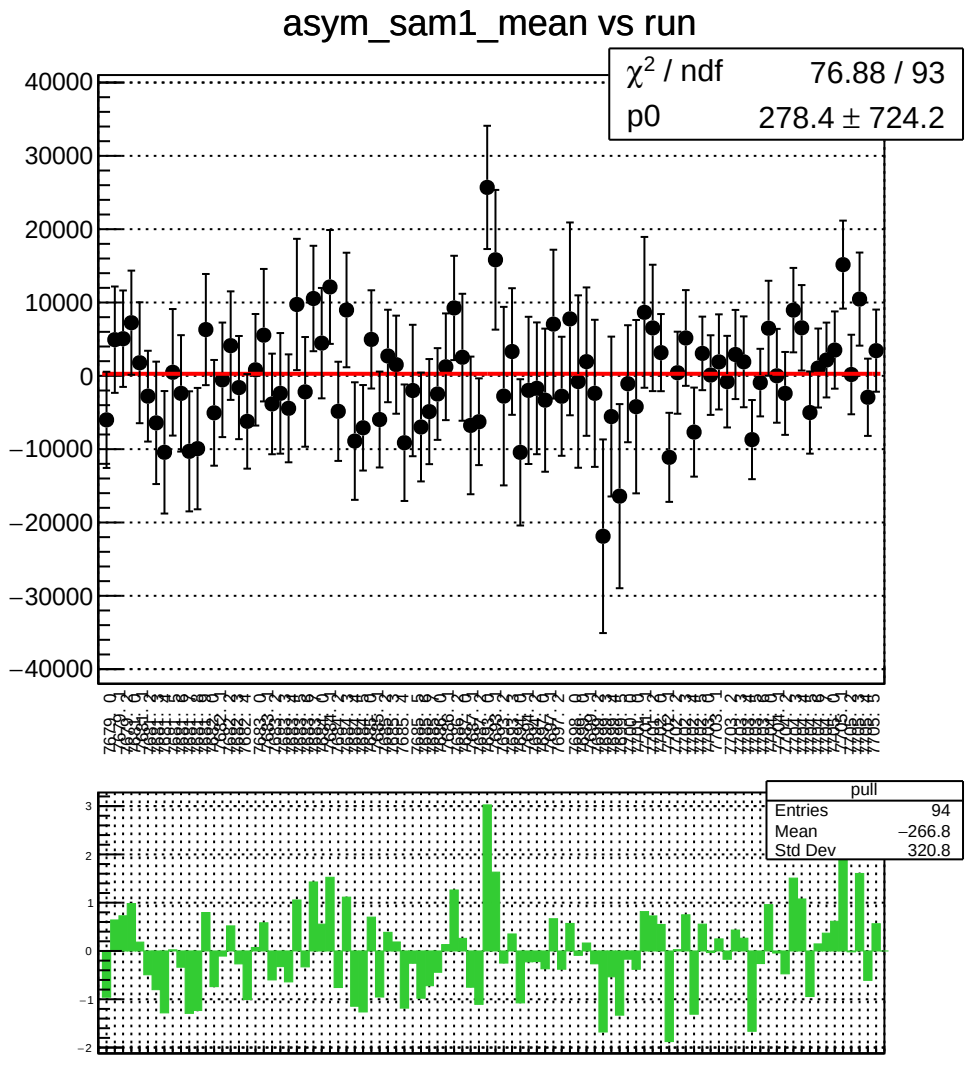

pull1D
Entries 94
Mean −0.0005976
Std Dev 0.8983
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

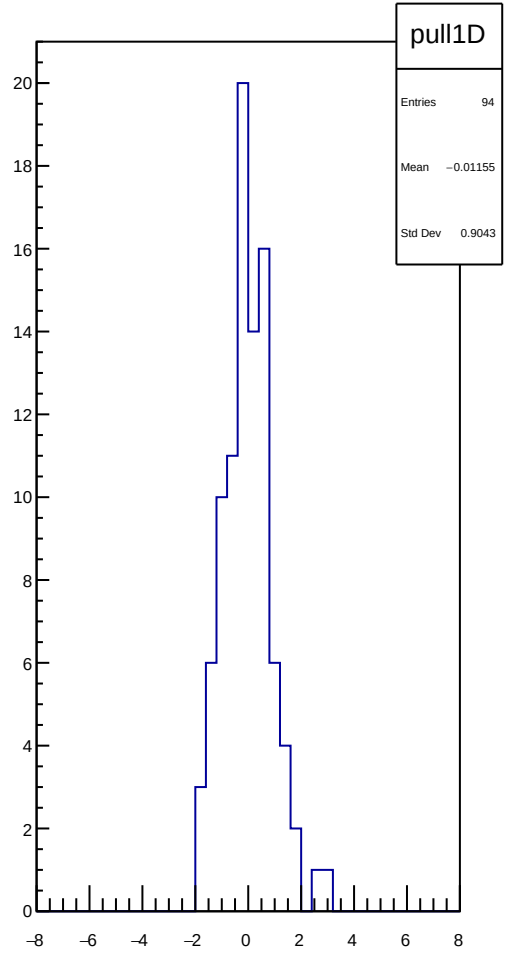

dit_asym_sam1_rms vs run
χ² / ndf 4313 / 93
p0 80.72 ± 0.06049
105
100
95
90
85
80
75

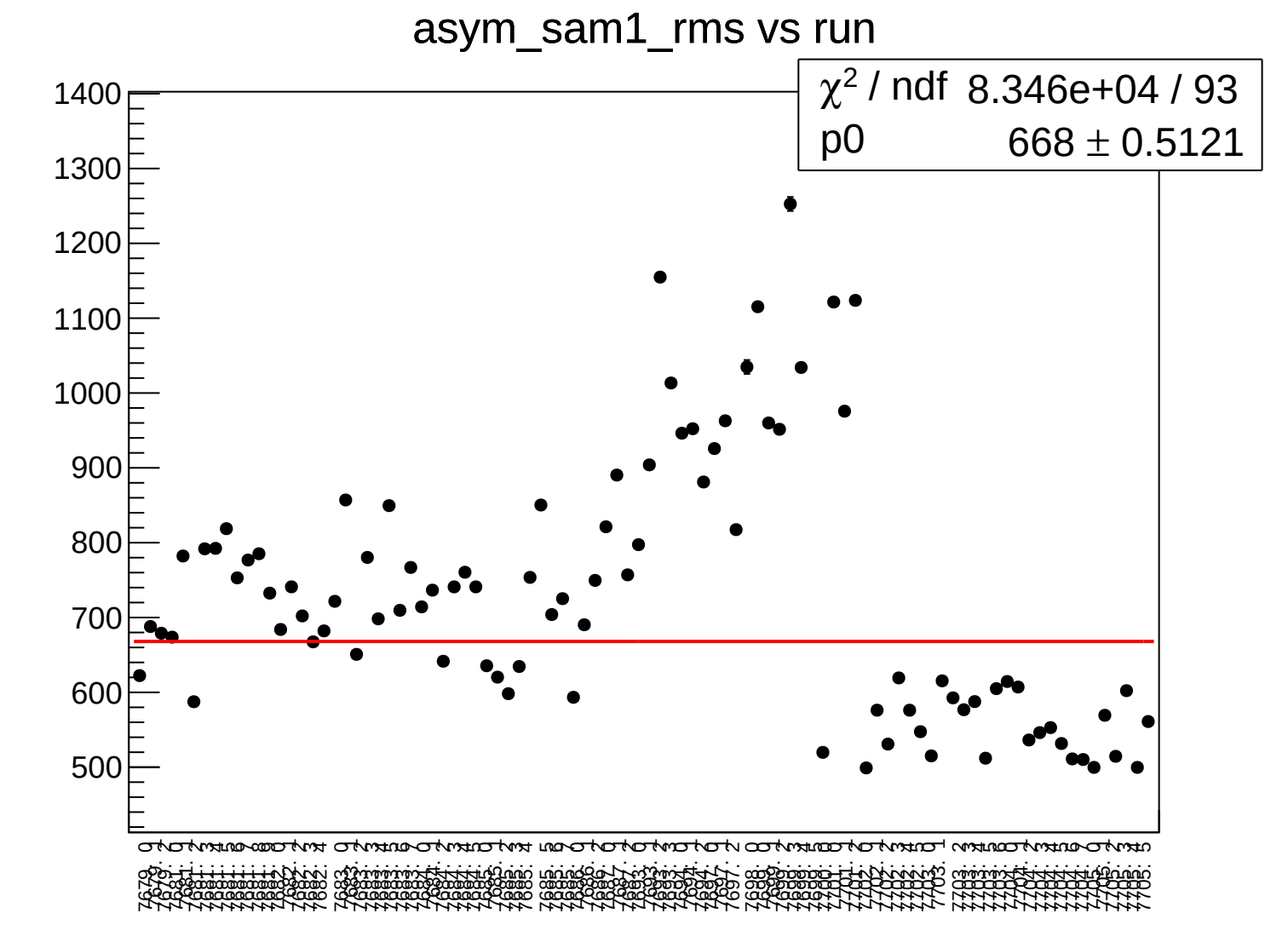

asym_sam1_correction_mean vs run
χ² / ndf 77.95 / 93
p0 −286.7 ± 726.7
pull
Entries 94
Mean −214.2
Std Dev 268.8

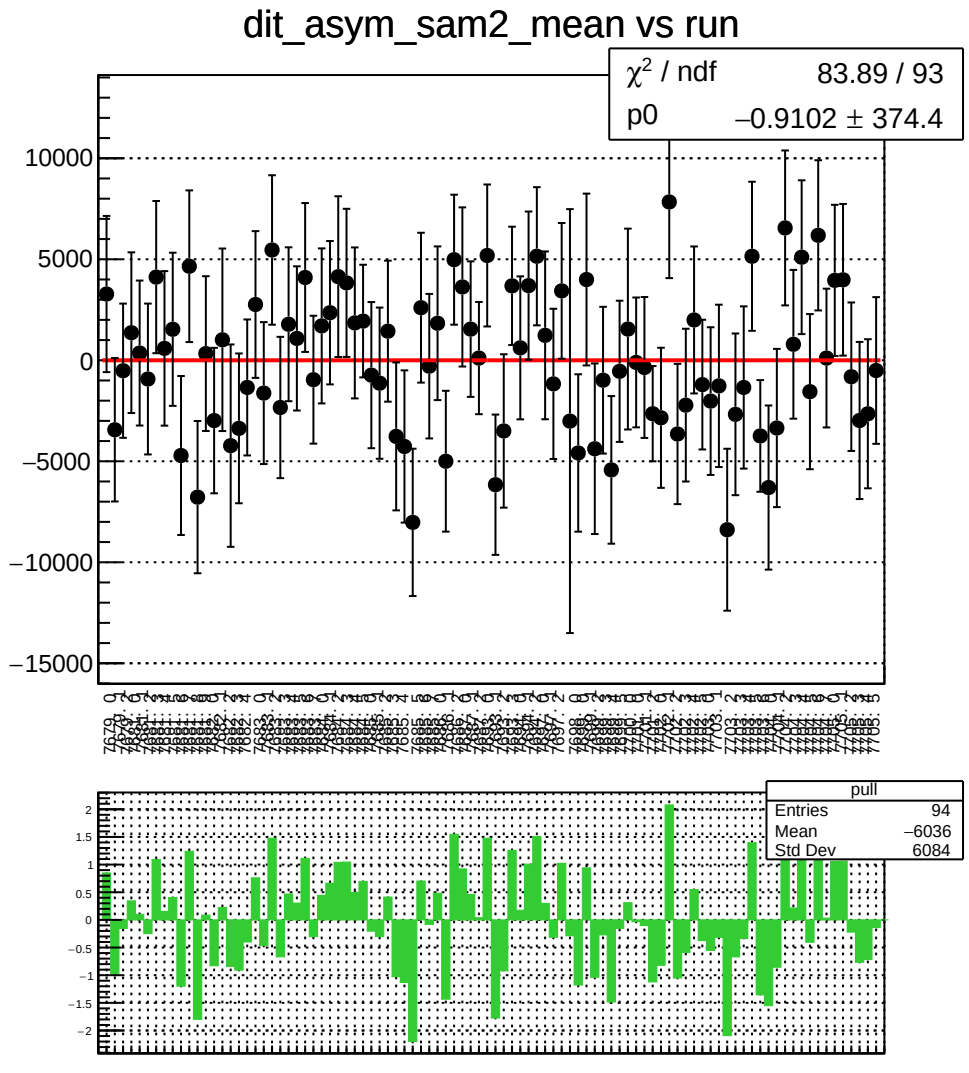

pull1D
Entries 94
Mean 0.01125
Std Dev 0.9106

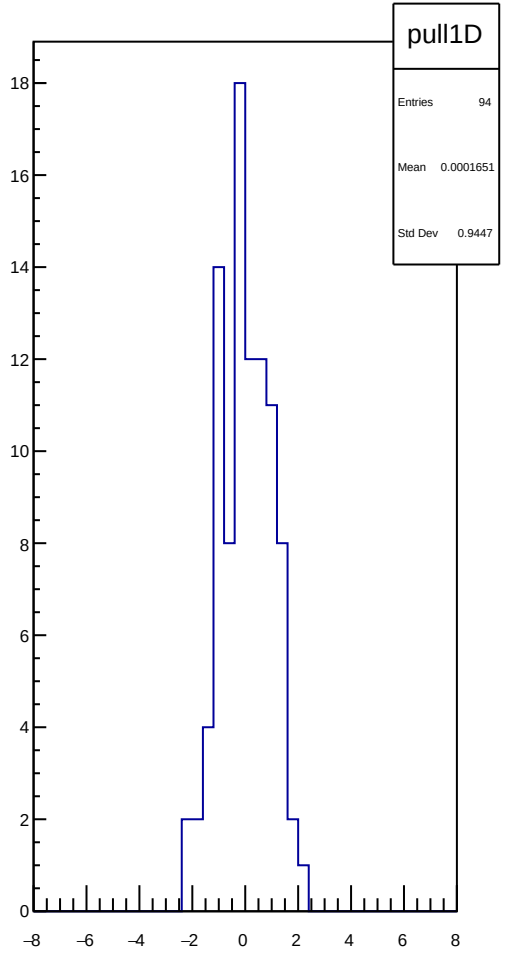

asym_sam1_correction_rms vs run
χ² / ndf 8.635e+04 / 93
p0 669.7 ± 0.5138
1400
1200
1000
800
600
400

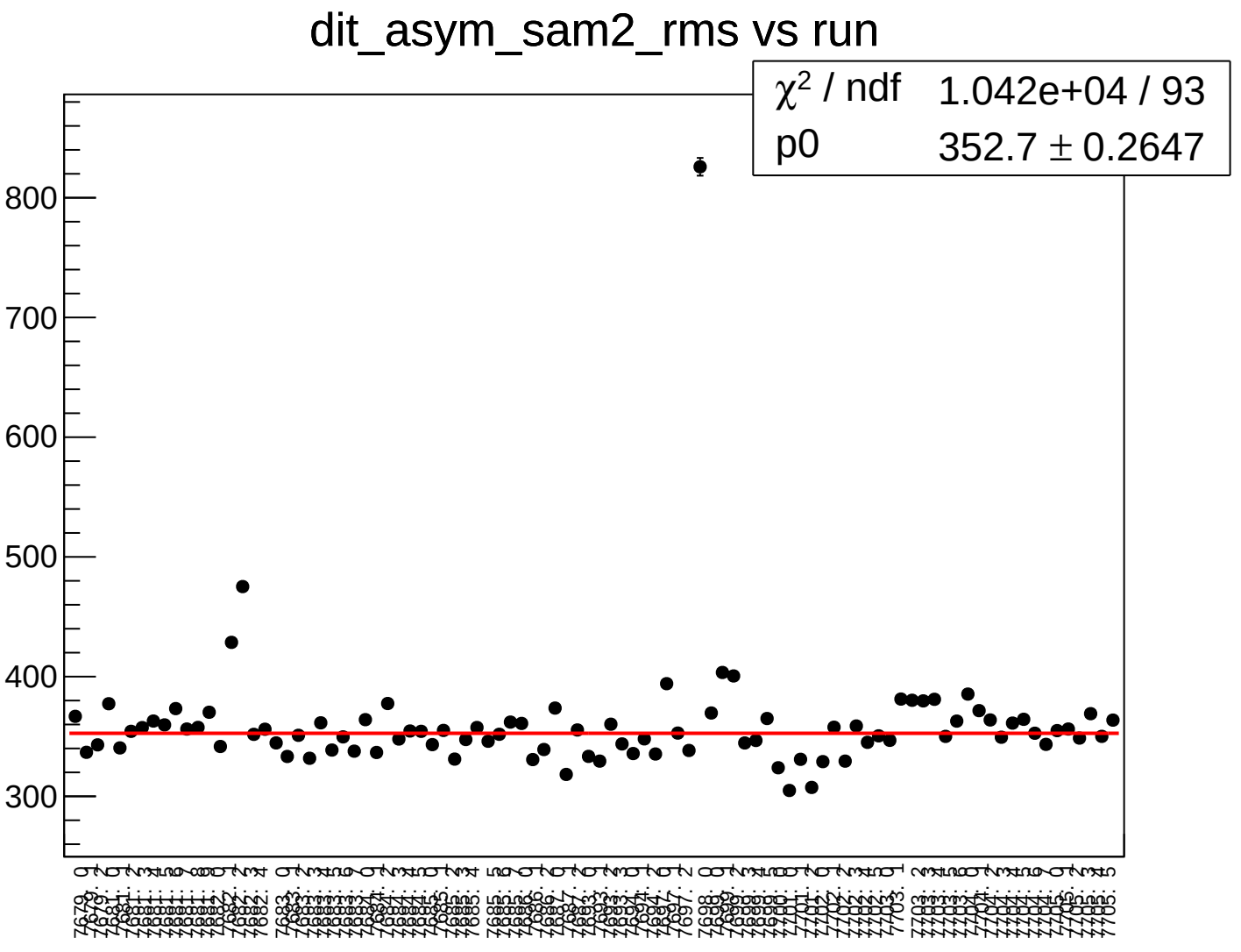

asym_sam1_mean vs run
χ² / ndf 76.88 / 93
p0 278.4 ± 724.2
pull
Entries 94
Mean −266.8
Std Dev 320.8

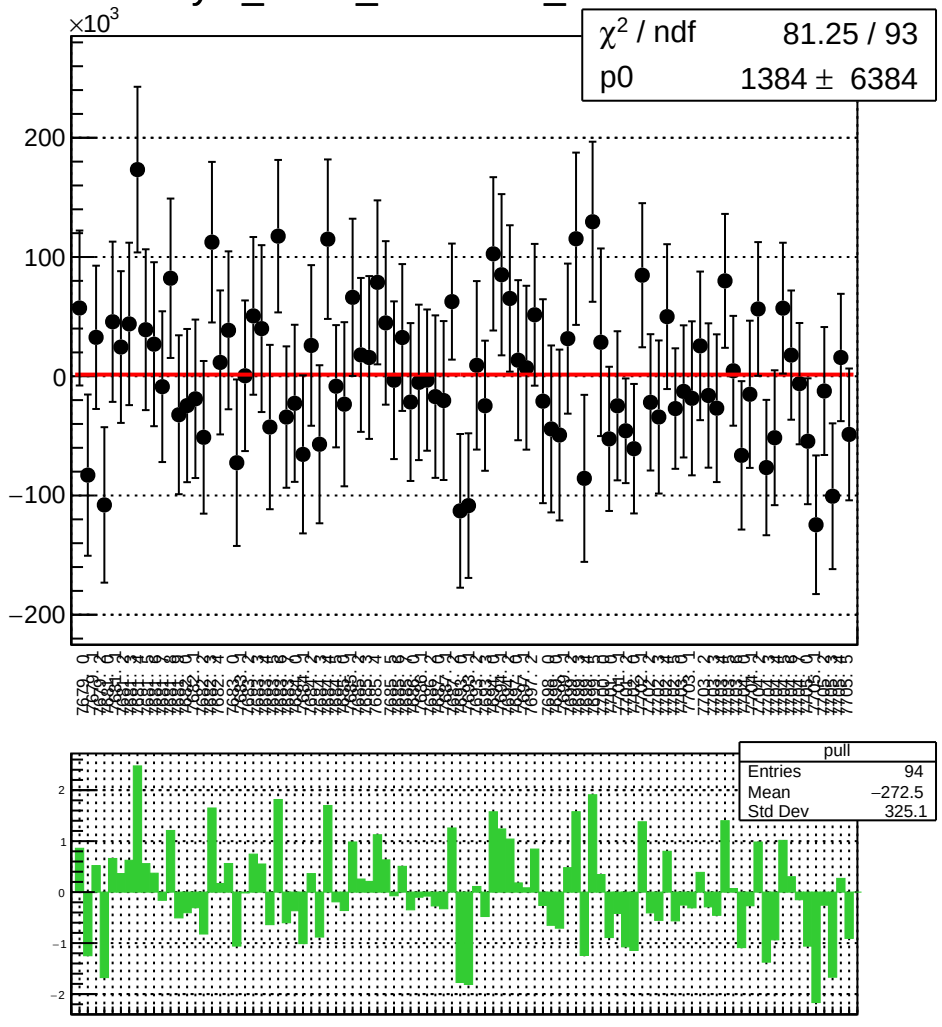

pull1D
Entries 94
Mean −0.01155
Std Dev 0.9043

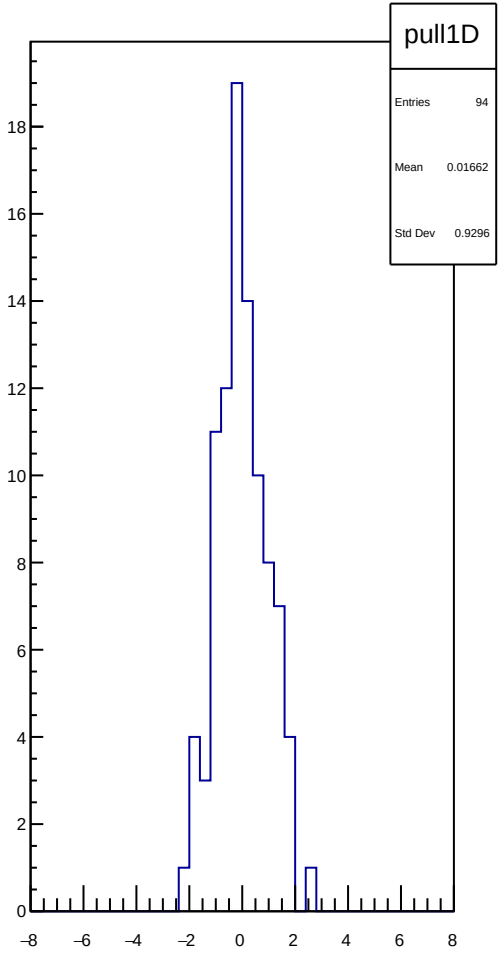

asym_sam1_rms vs run
χ² / ndf 8.346e+04 / 93
p0 668 ± 0.5121
1400
1300
1200
1100
1000
900
800
700
600
500

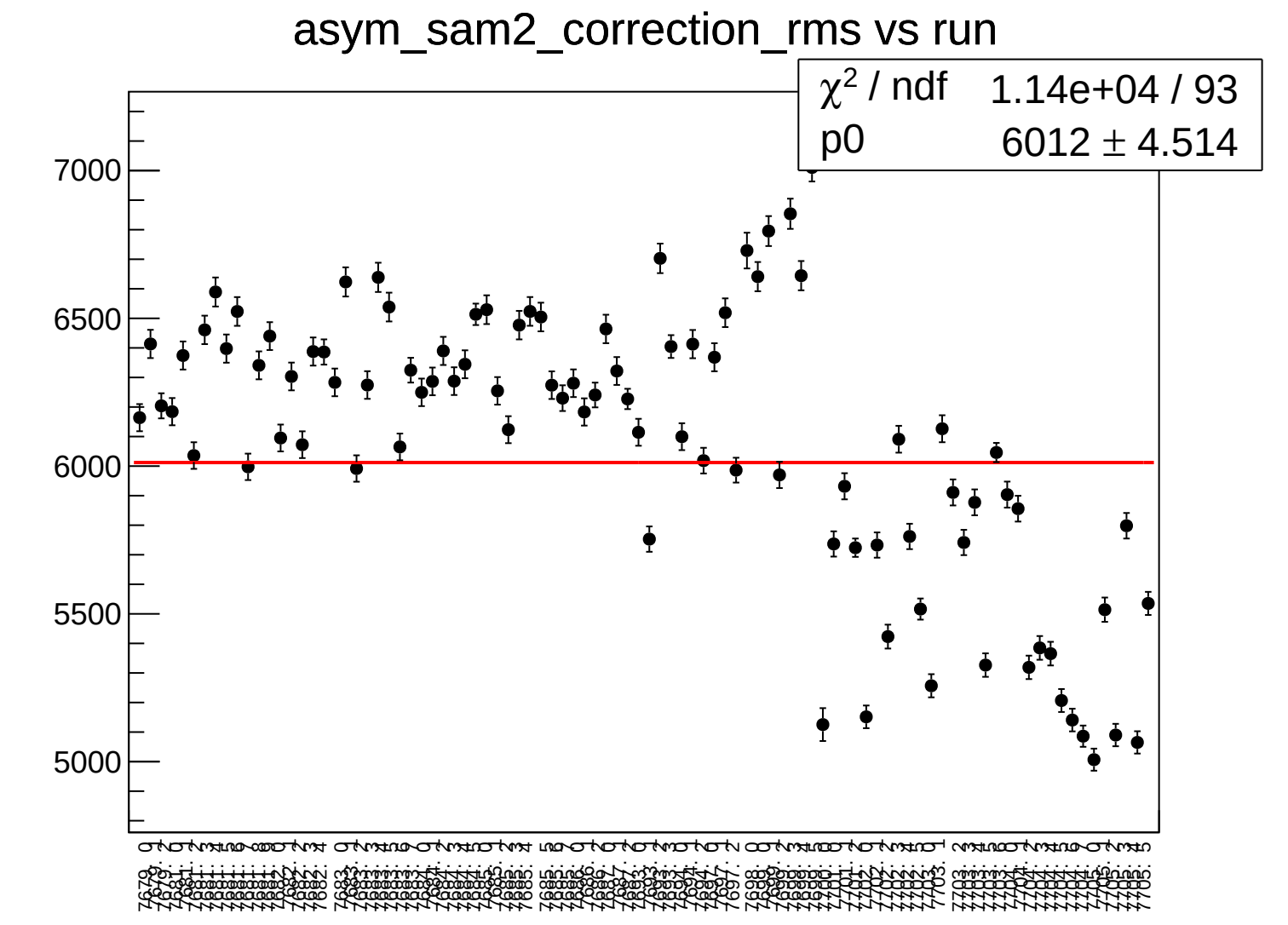

dit_asym_sam2_mean vs run
χ² / ndf 83.89 / 93
p0 −0.9102 ± 374.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 94
Mean −6036
Std Dev 6084
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

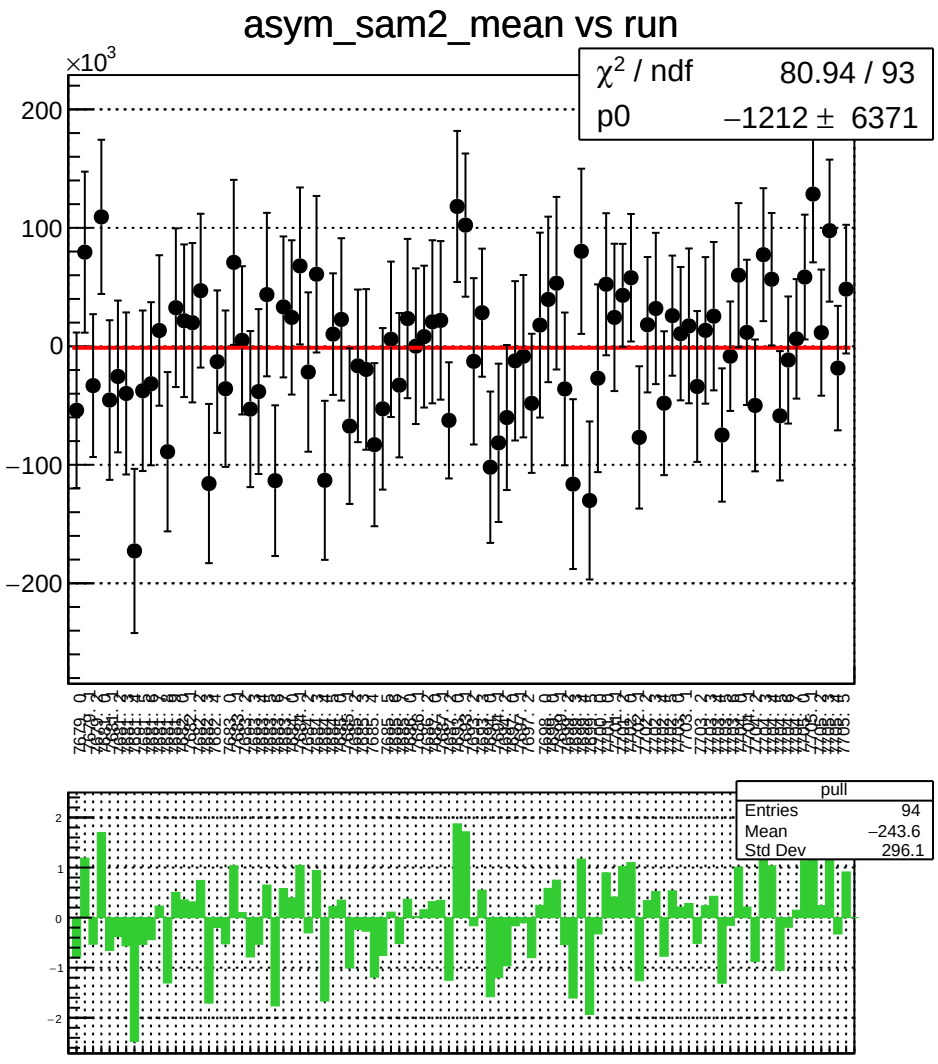

pull1D
Entries 94
Mean 0.0001651
Std Dev 0.9447
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

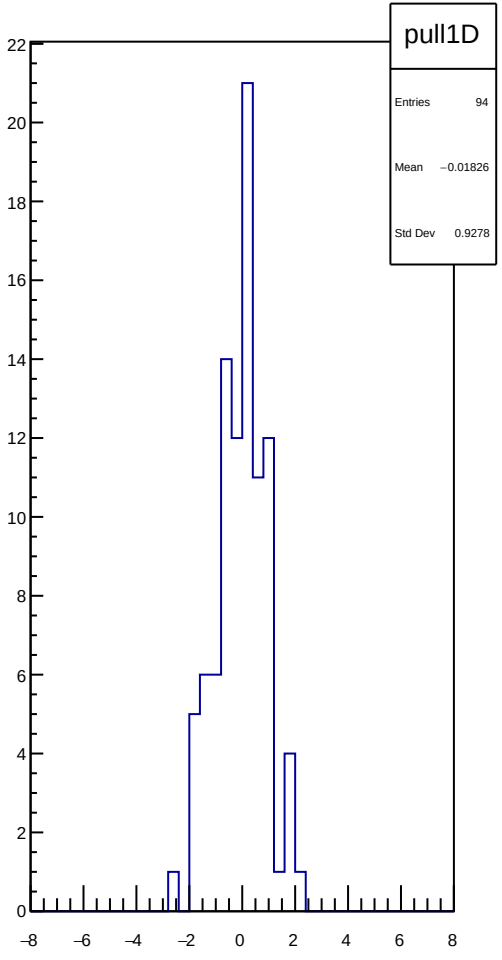

dit_asym_sam2_rms vs run
χ^2 / ndf 1.042e+04 / 93
p0 352.7 ± 0.2647
800
700
600
500
400
300

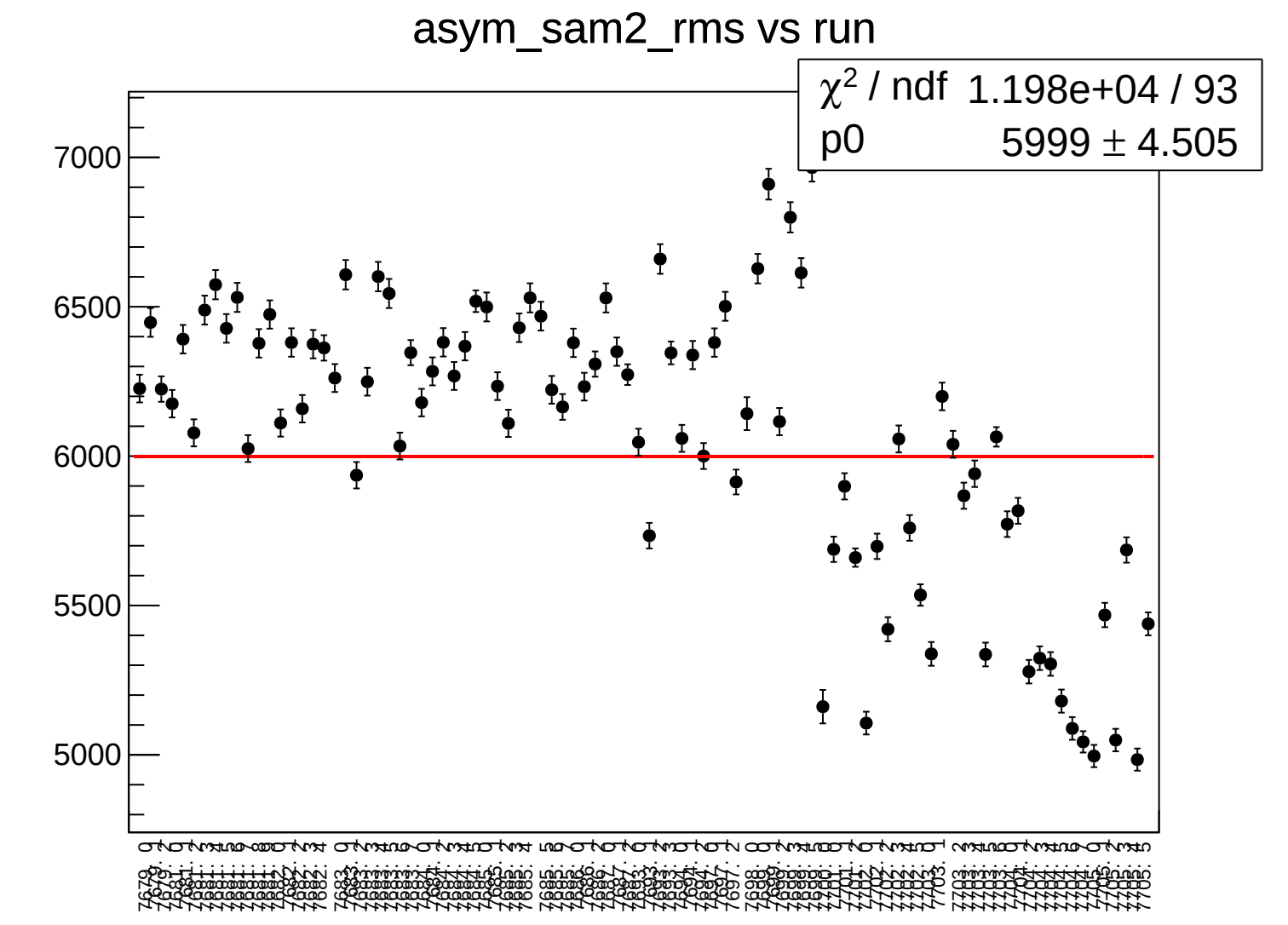

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 81.25 / 93
p0 1384 ± 6384
200
100
0
−100
−200
pull
Entries 94
Mean −272.5
Std Dev 325.1
2
1
0
−1
−2

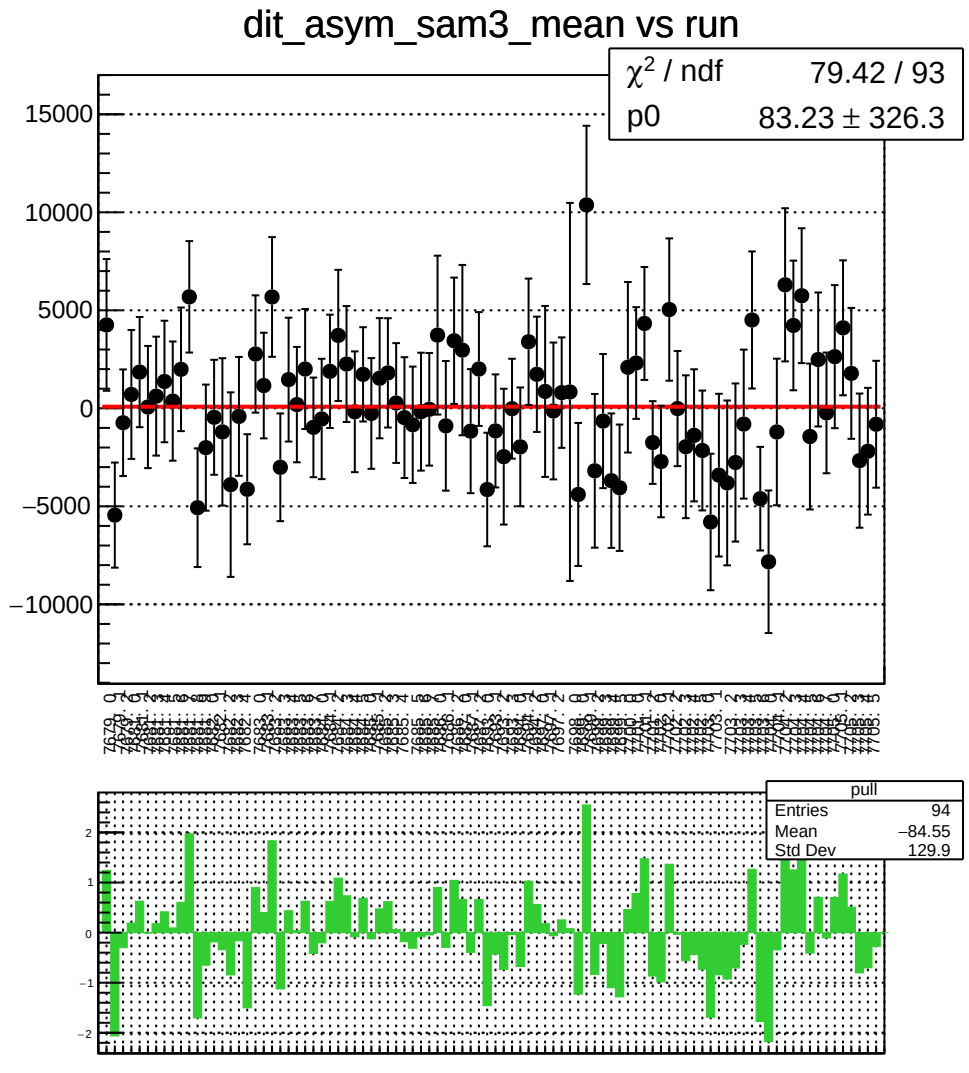

pull1D
Entries 94
Mean 0.01662
Std Dev 0.9296
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

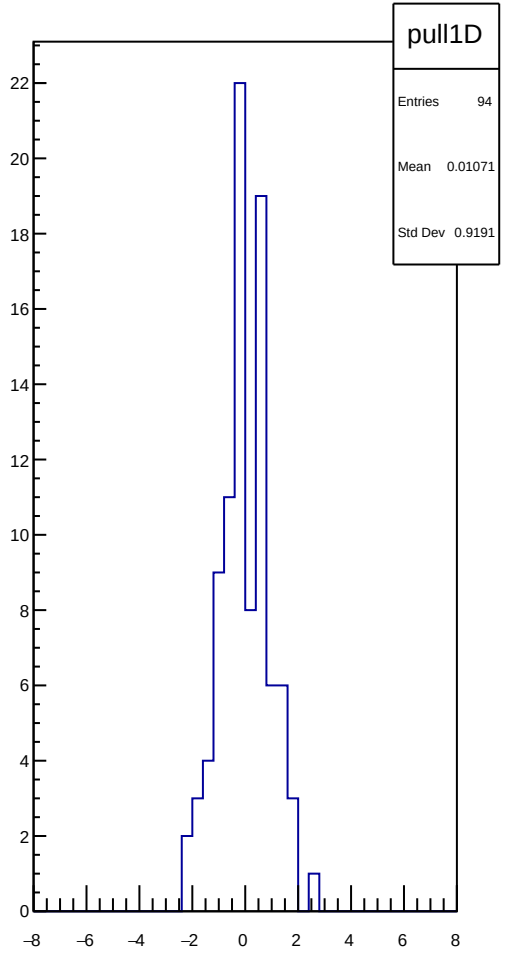

asym_sam2_correction_rms vs run
χ² / ndf 1.14e+04 / 93
p0 6012 ± 4.514
7000
6500
6000
5500
5000

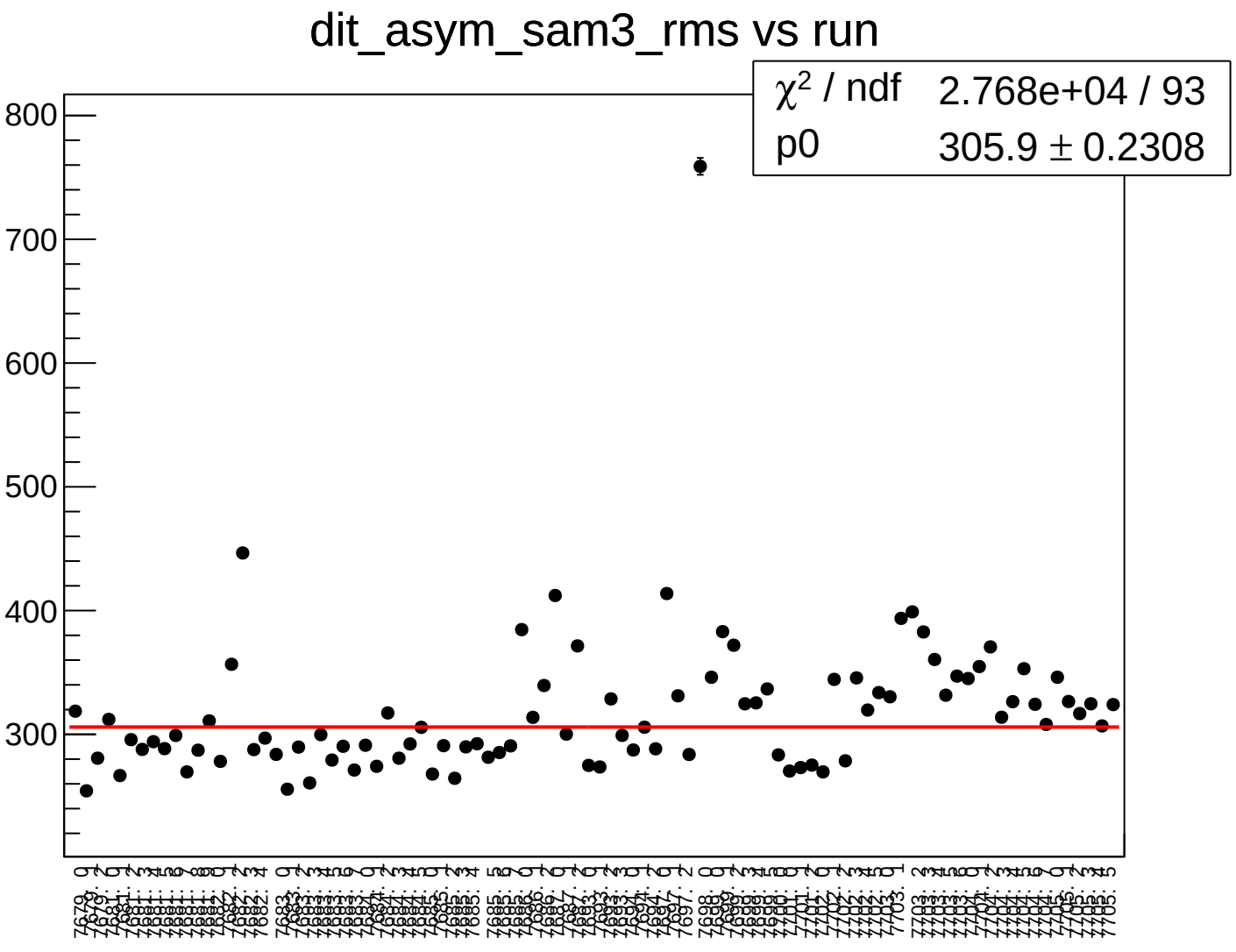

asym_sam2_mean vs run
×10^3
χ² / ndf 80.94 / 93
p0 −1212 ± 6371
200
100
0
−100
−200
pull
Entries 94
Mean −243.6
Std Dev 296.1
2
1
0
−1
−2

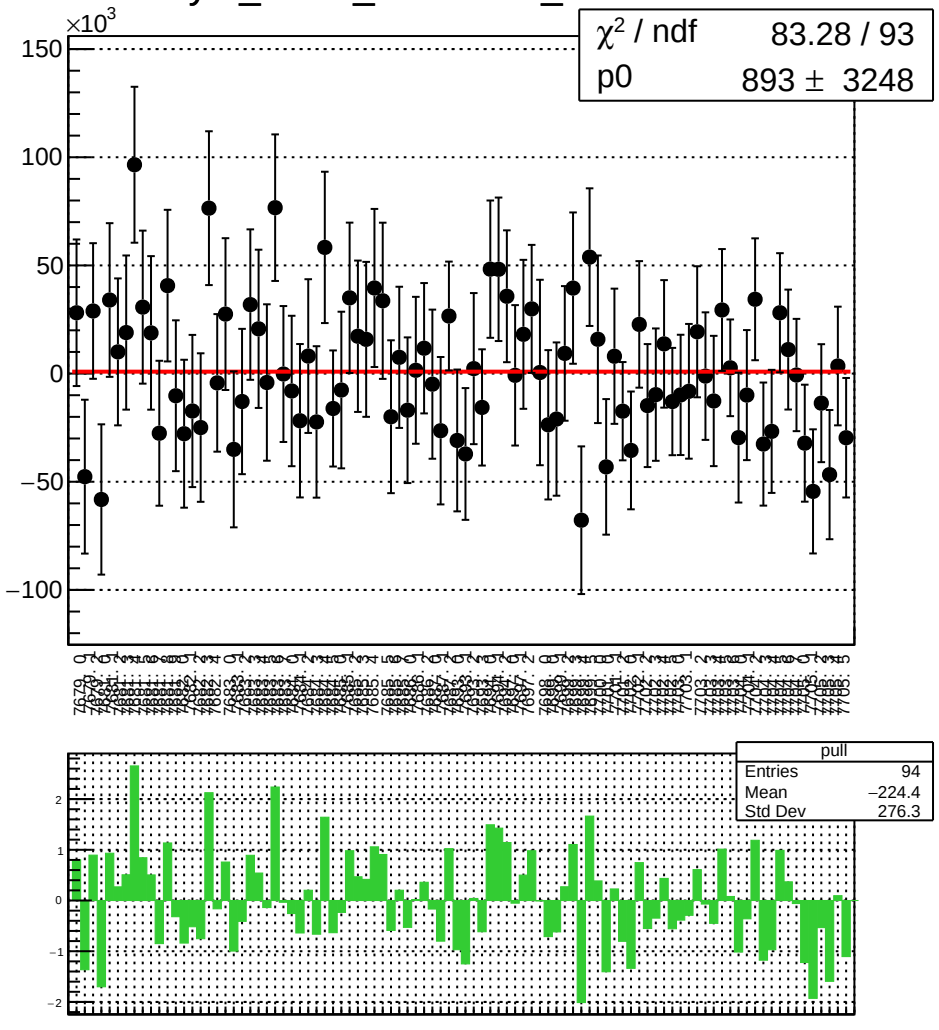

pull1D
Entries 94
Mean −0.01826
Std Dev 0.9278
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

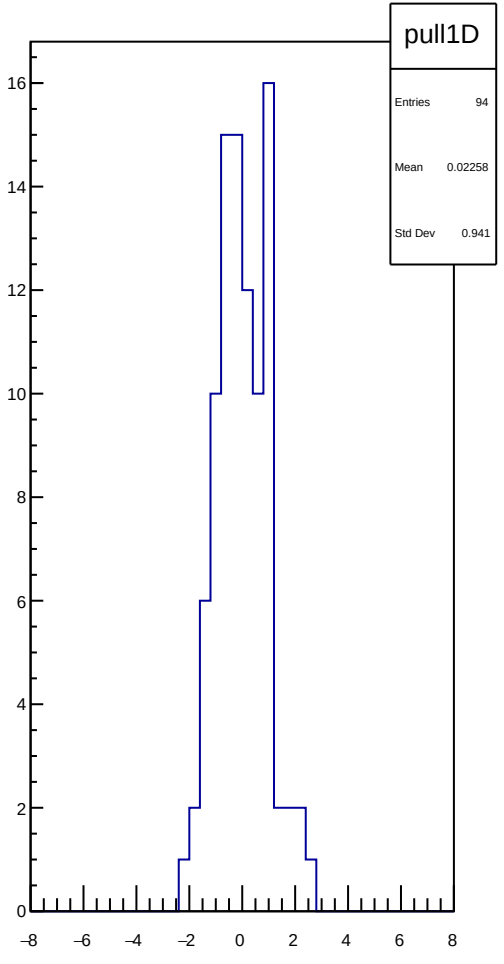

asym_sam2_rms vs run
χ^2 / ndf 1.198e+04 / 93
p0 5999 ± 4.505
7000
6500
6000
5500
5000

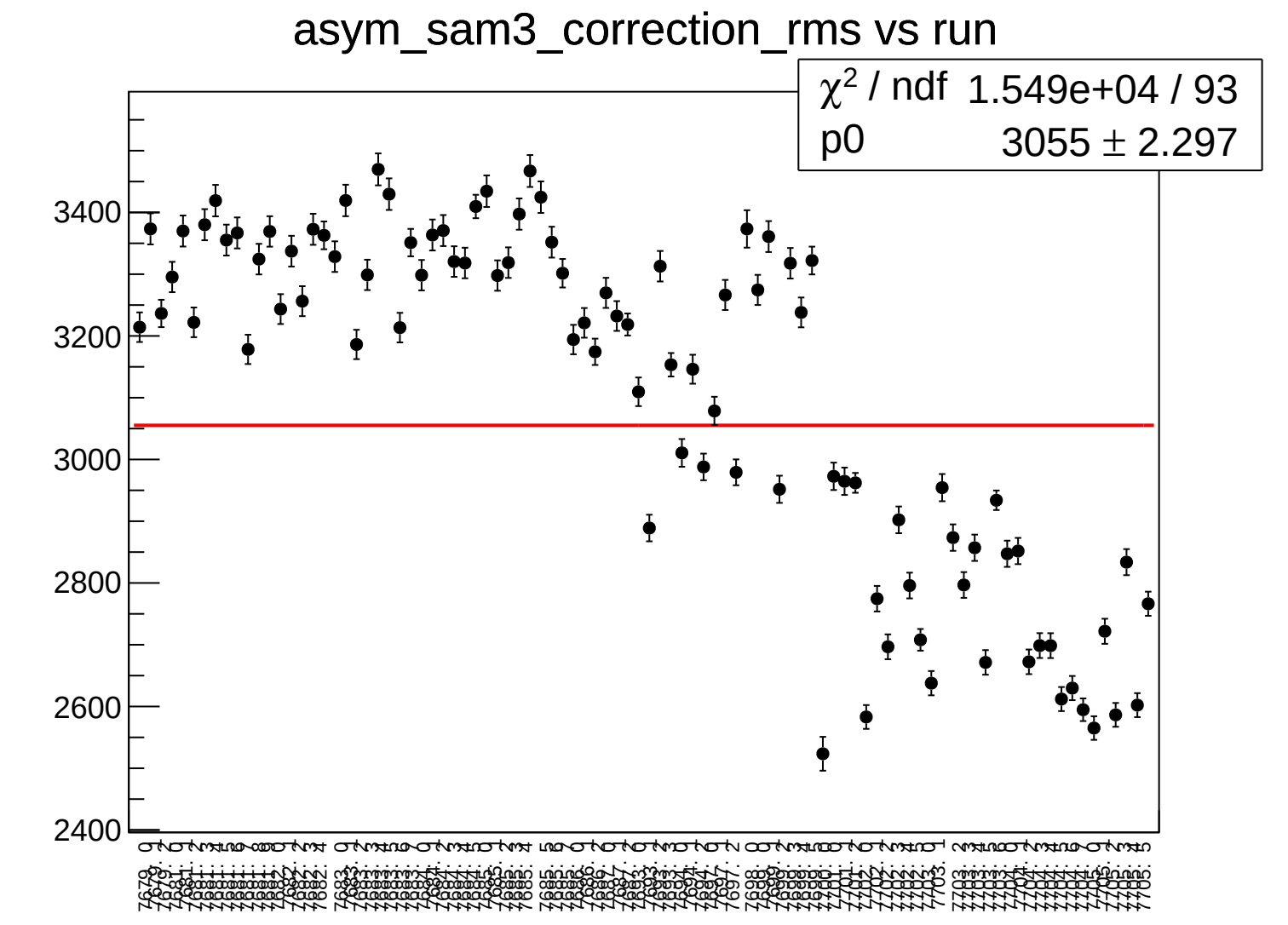

dit_asym_sam3_mean vs run
χ² / ndf 79.42 / 93
p0 83.23 ± 326.3
15000
10000
5000
0
−5000
−10000
pull
Entries 94
Mean −84.55
Std Dev 129.9
2
1
0
−1
−2

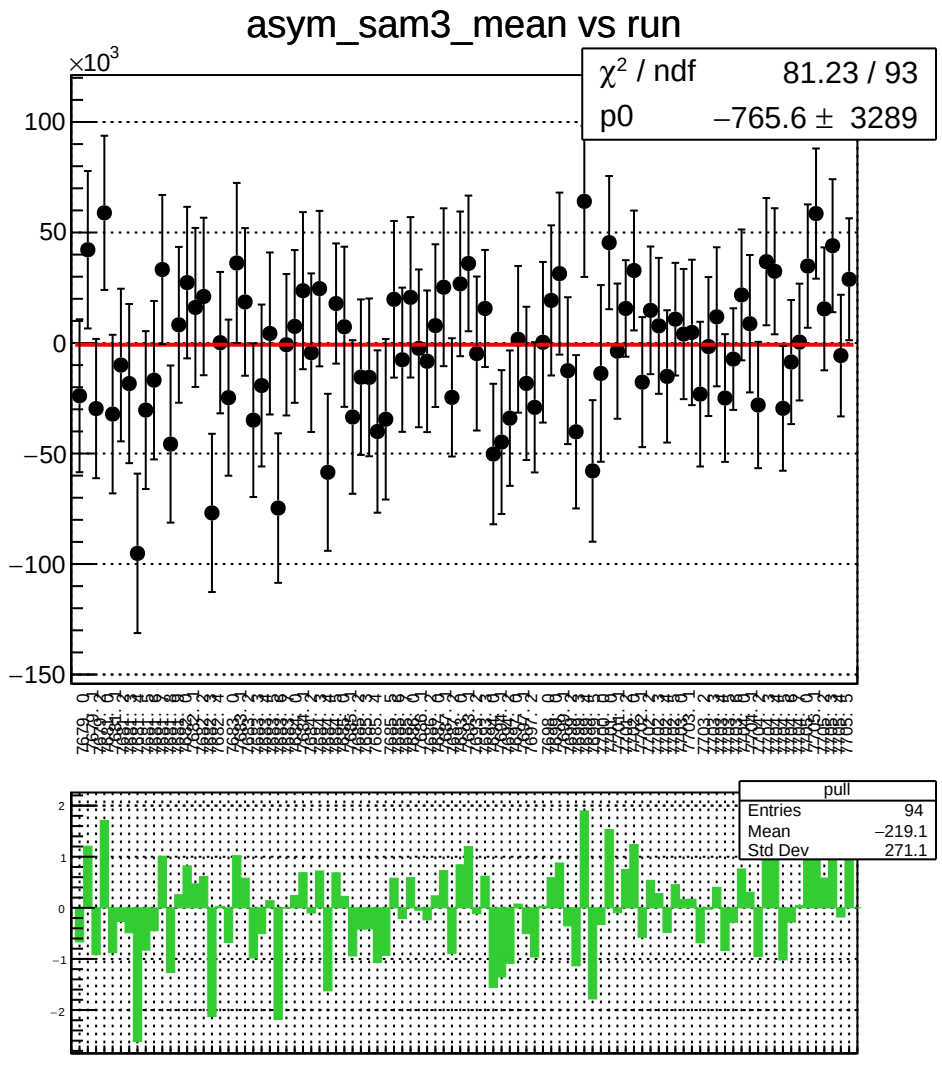

pull1D
Entries 94
Mean 0.01071
Std Dev 0.9191
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

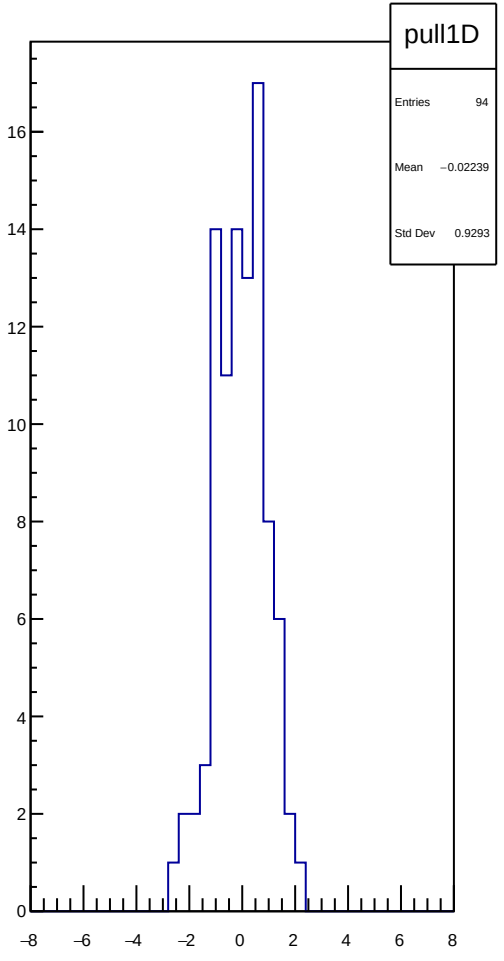

dit_asym_sam3_rms vs run
χ² / ndf 2.768e+04 / 93
p0 305.9 ± 0.2308
800
700
600
500
400
300

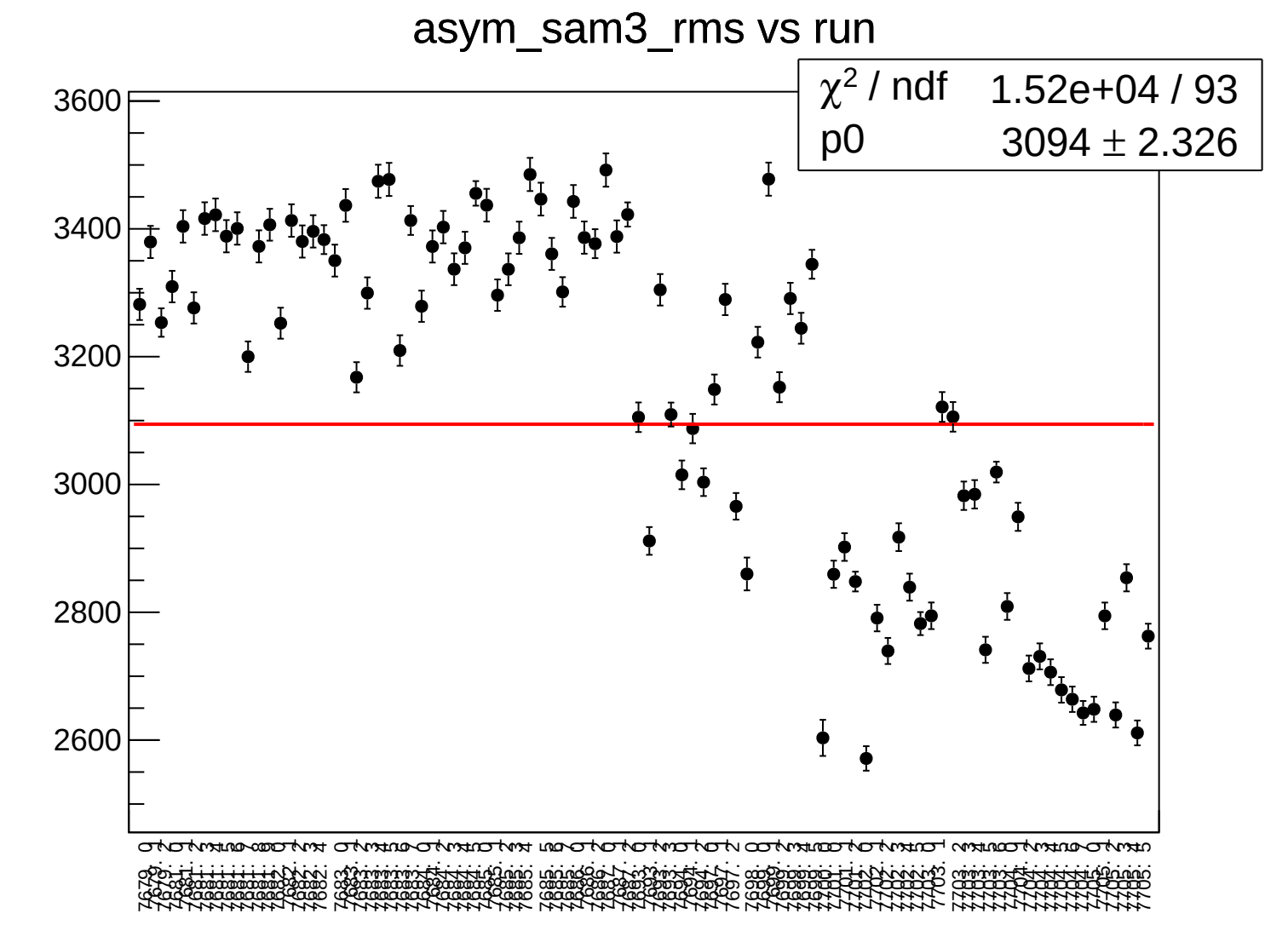

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 83.28 / 93
p0 893 ± 3248
150
100
50
0
−50
−100
pull
Entries 94
Mean −224.4
Std Dev 276.3
2
1
0
−1
−2

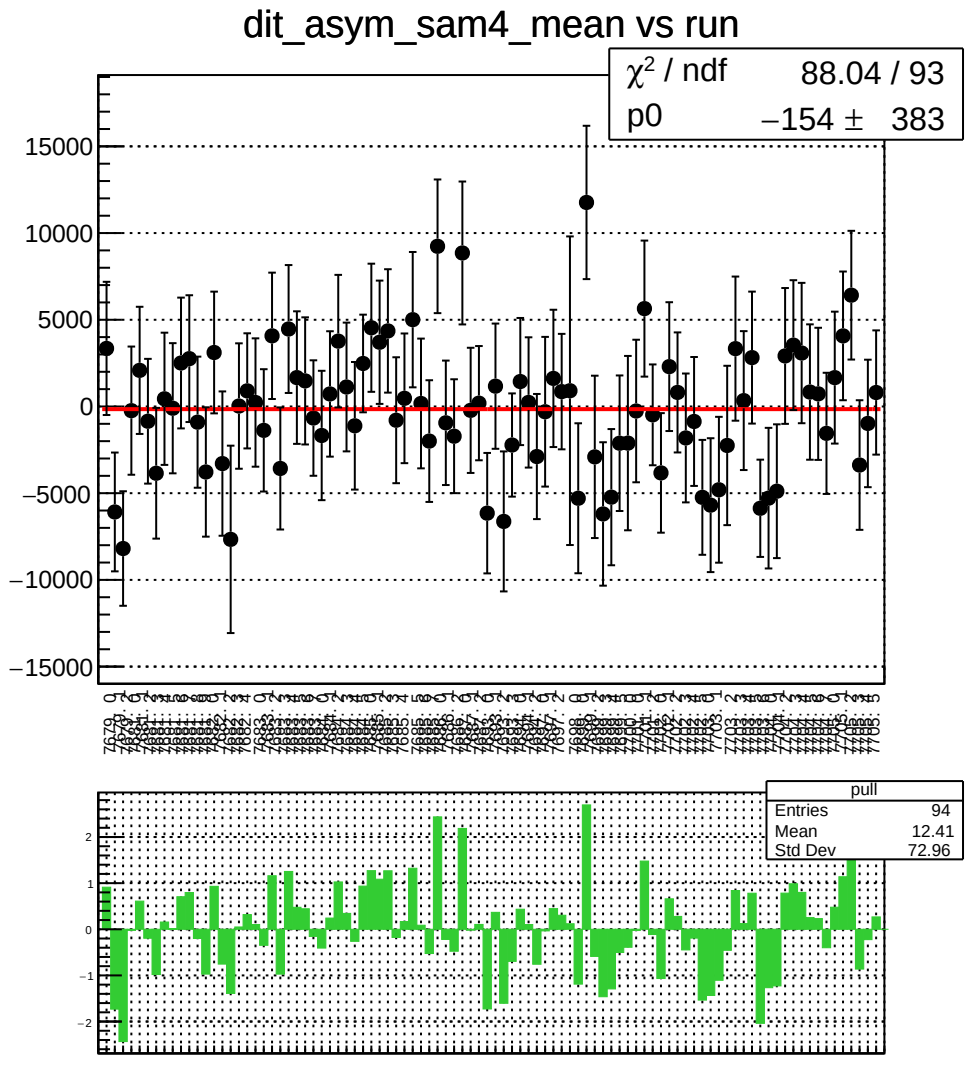

pull1D
Entries 94
Mean 0.02258
Std Dev 0.941
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

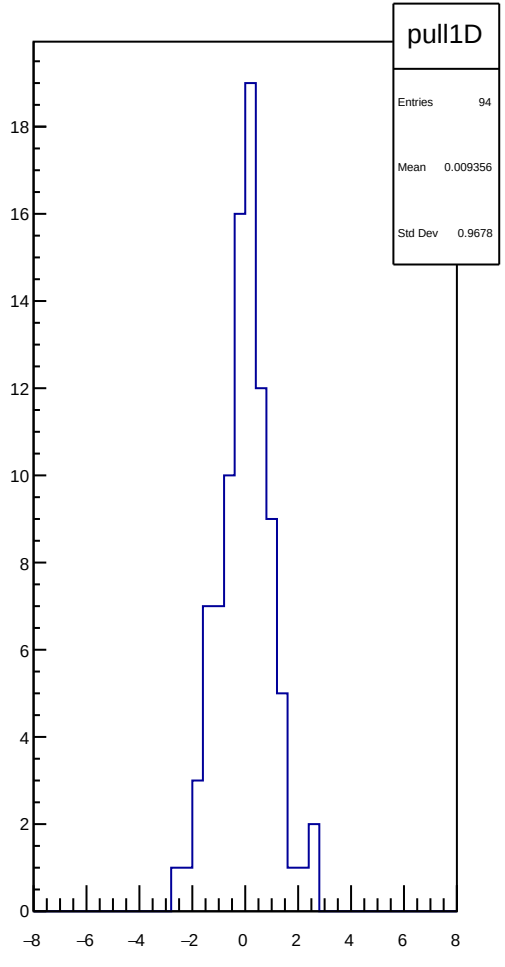

asym_sam3_correction_rms vs run
χ^2 / ndf 1.549e+04 / 93
p0 3055 ± 2.297
3400
3200
3000
2800
2600
2400

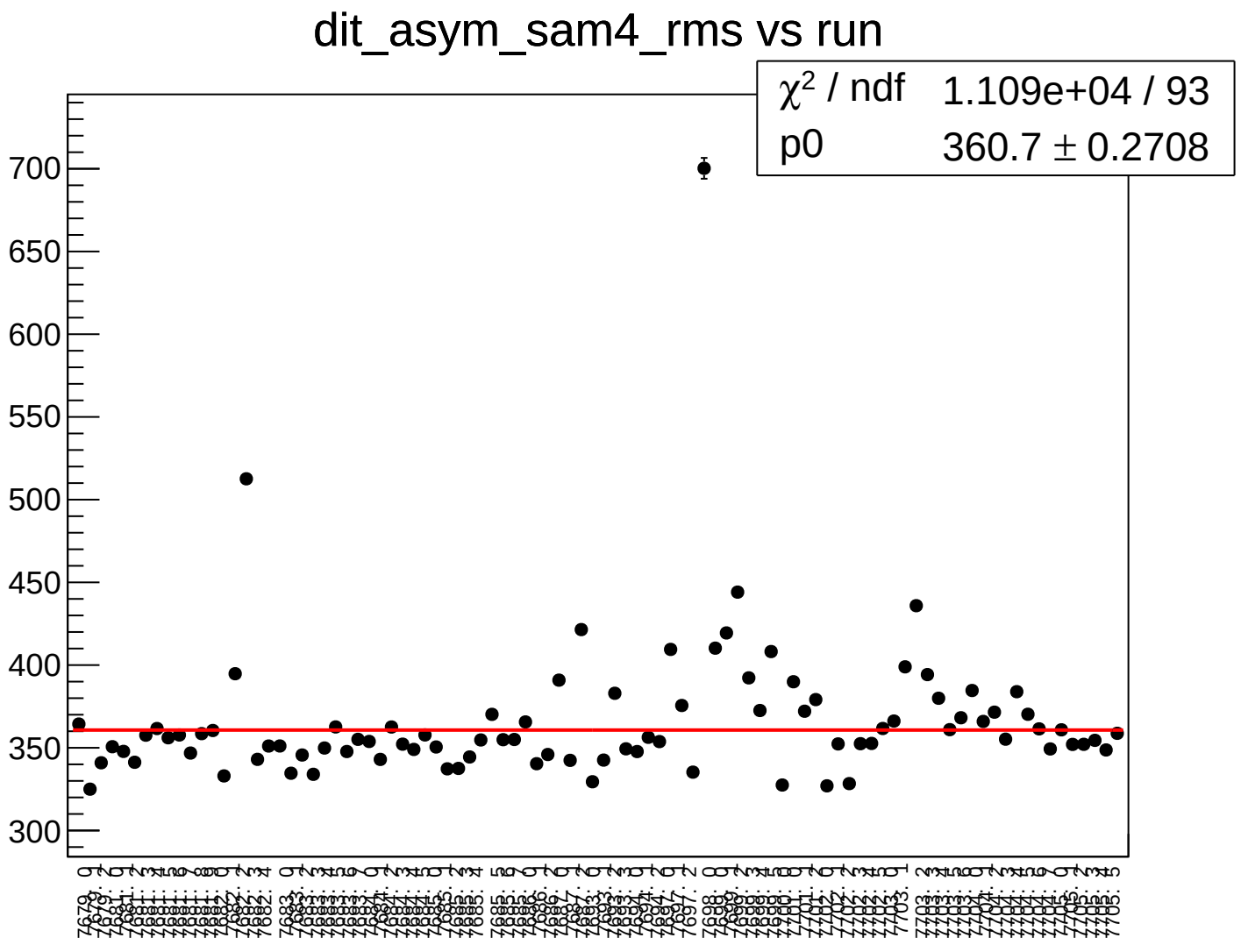

asym_sam3_mean vs run
×10^3
χ² / ndf 81.23 / 93
p0 −765.6 ± 3289
100
50
0
−50
−100
−150
pull
Entries 94
Mean −219.1
Std Dev 271.1
2
1
0
−1
−2

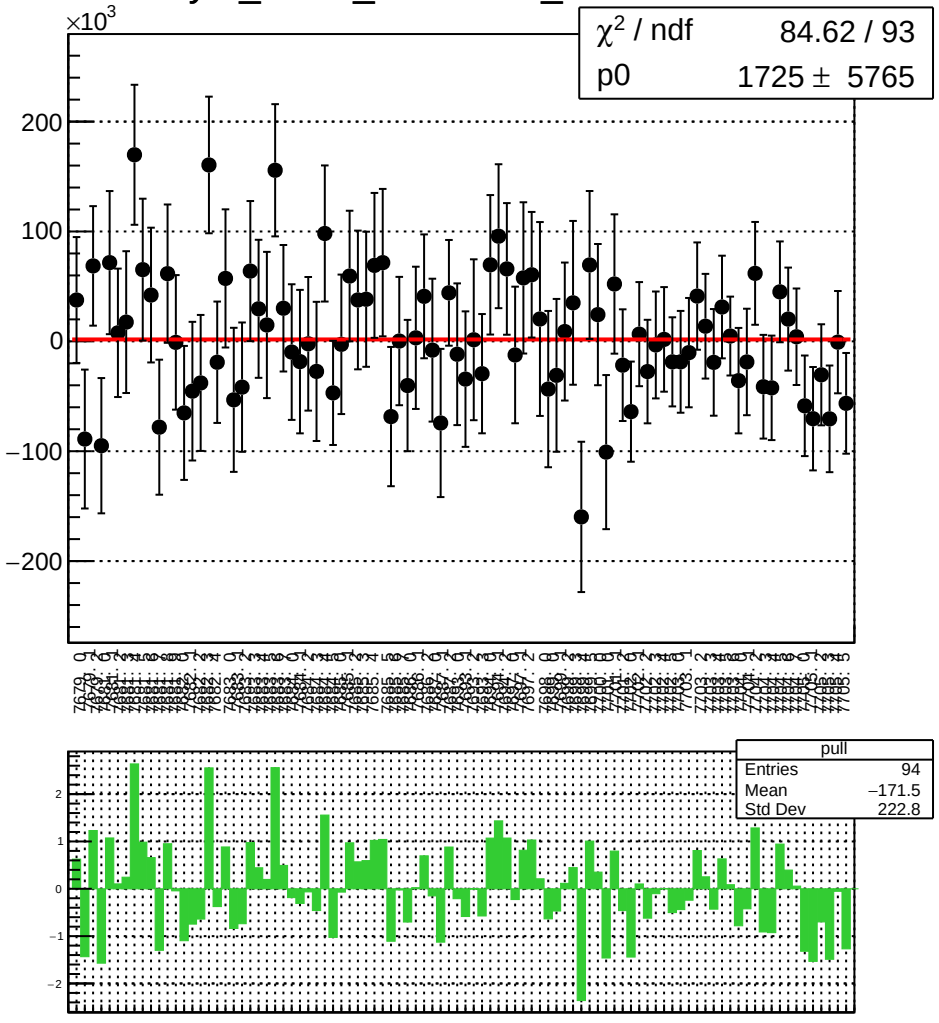

pull1D
Entries 94
Mean −0.02239
Std Dev 0.9293
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

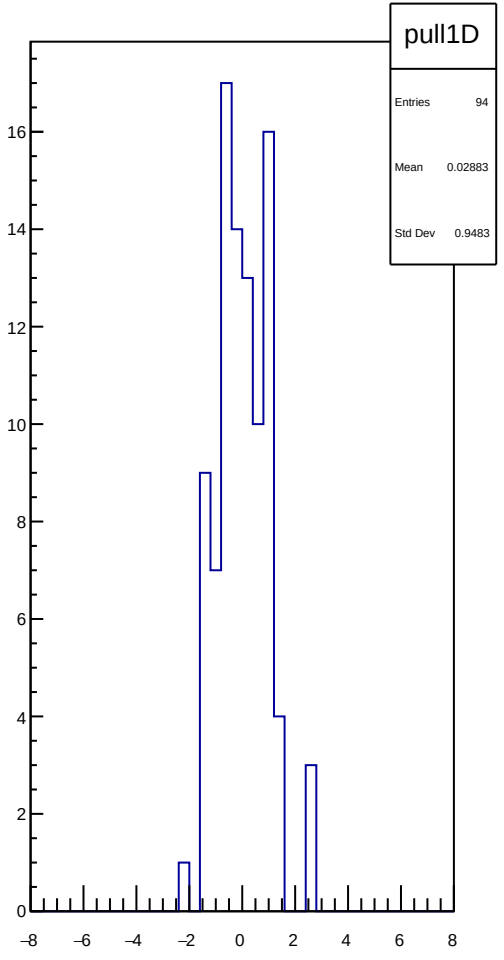

asym_sam3_rms vs run
χ² / ndf 1.52e+04 / 93
p0 3094 ± 2.326
3600
3400
3200
3000
2800
2600

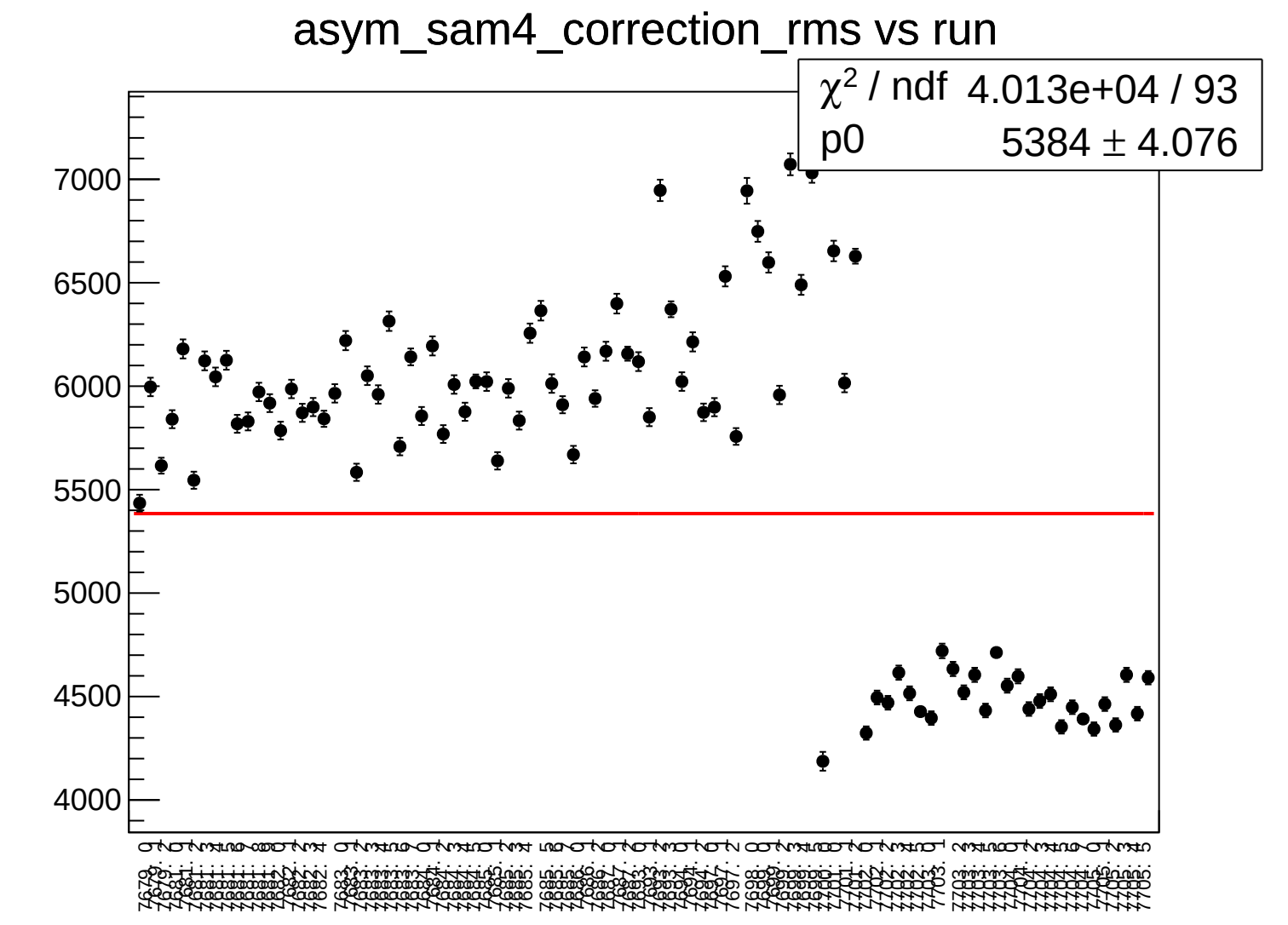

dit_asym_sam4_mean vs run
χ² / ndf 88.04 / 93
p0 −154 ± 383
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 94
Mean 12.41
Std Dev 72.96
2
1
0
−1
−2

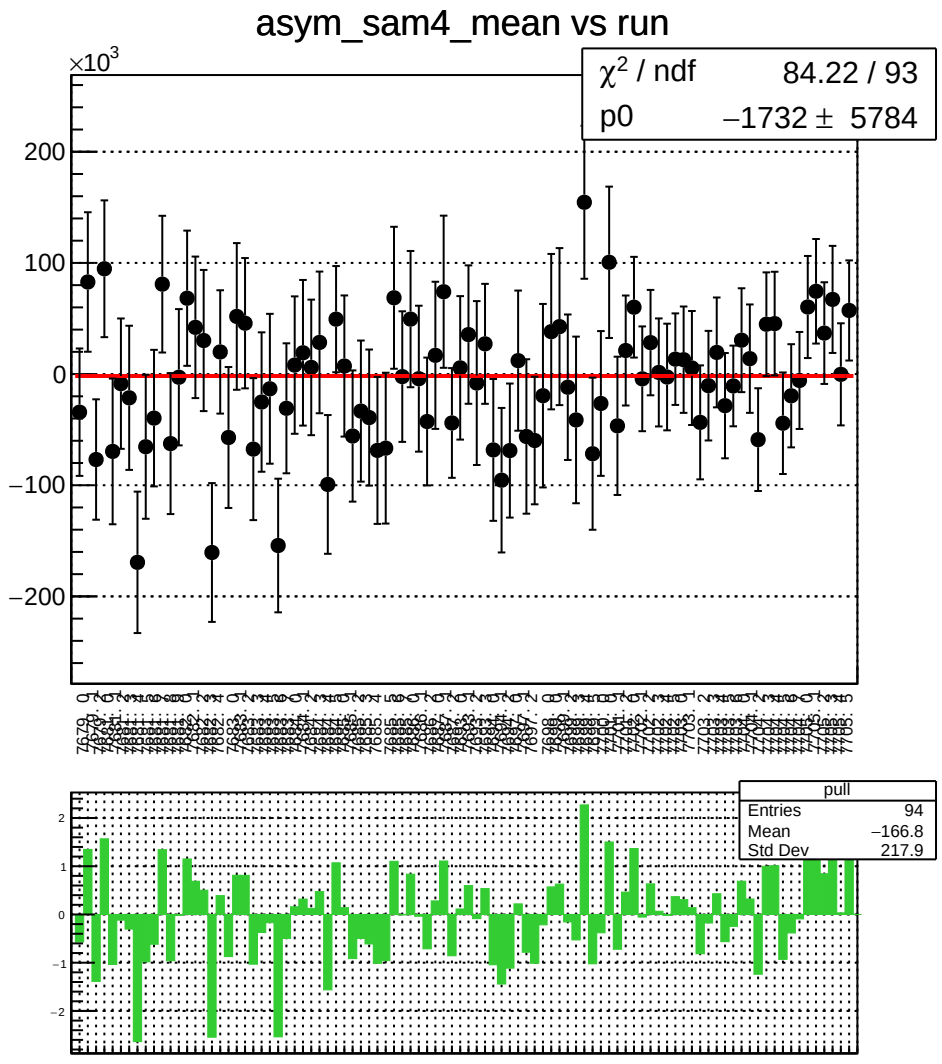

pull1D
Entries 94
Mean 0.009356
Std Dev 0.9678
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

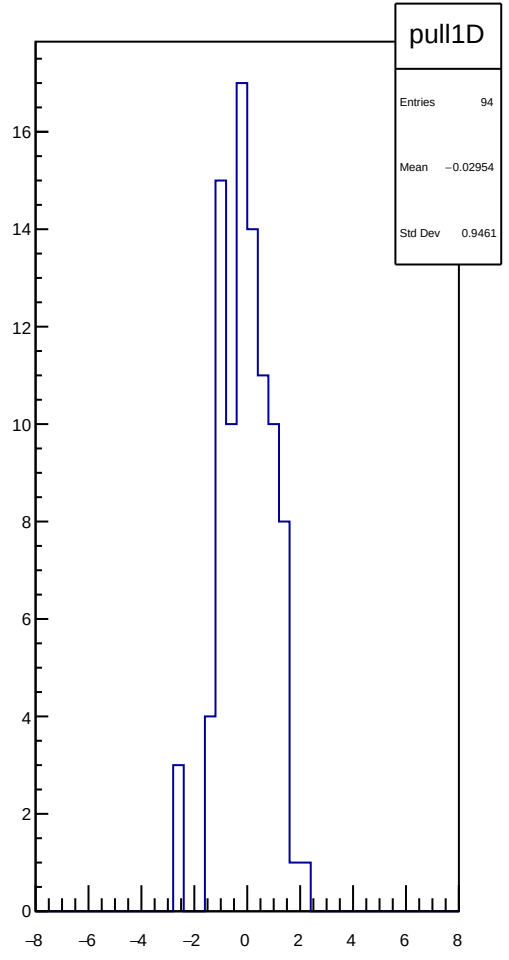

dit_asym_sam4_rms vs run
χ² / ndf 1.109e+04 / 93
p0 360.7 ± 0.2708
700
650
600
550
500
450
400
350
300

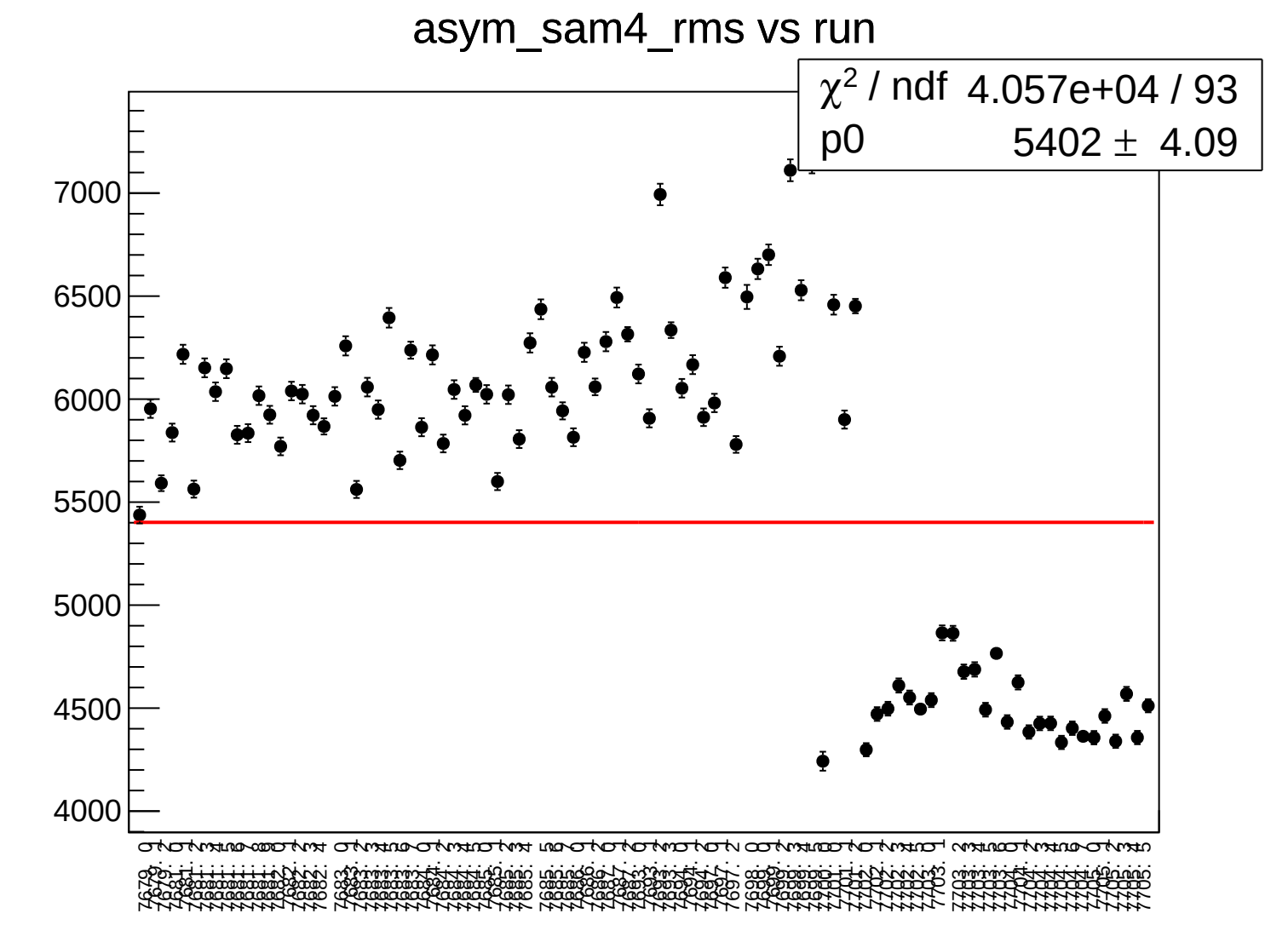

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 84.62 / 93
p0 1725 ± 5765
200
100
0
−100
−200
pull
Entries 94
Mean −171.5
Std Dev 222.8
2
1
0
−1
−2

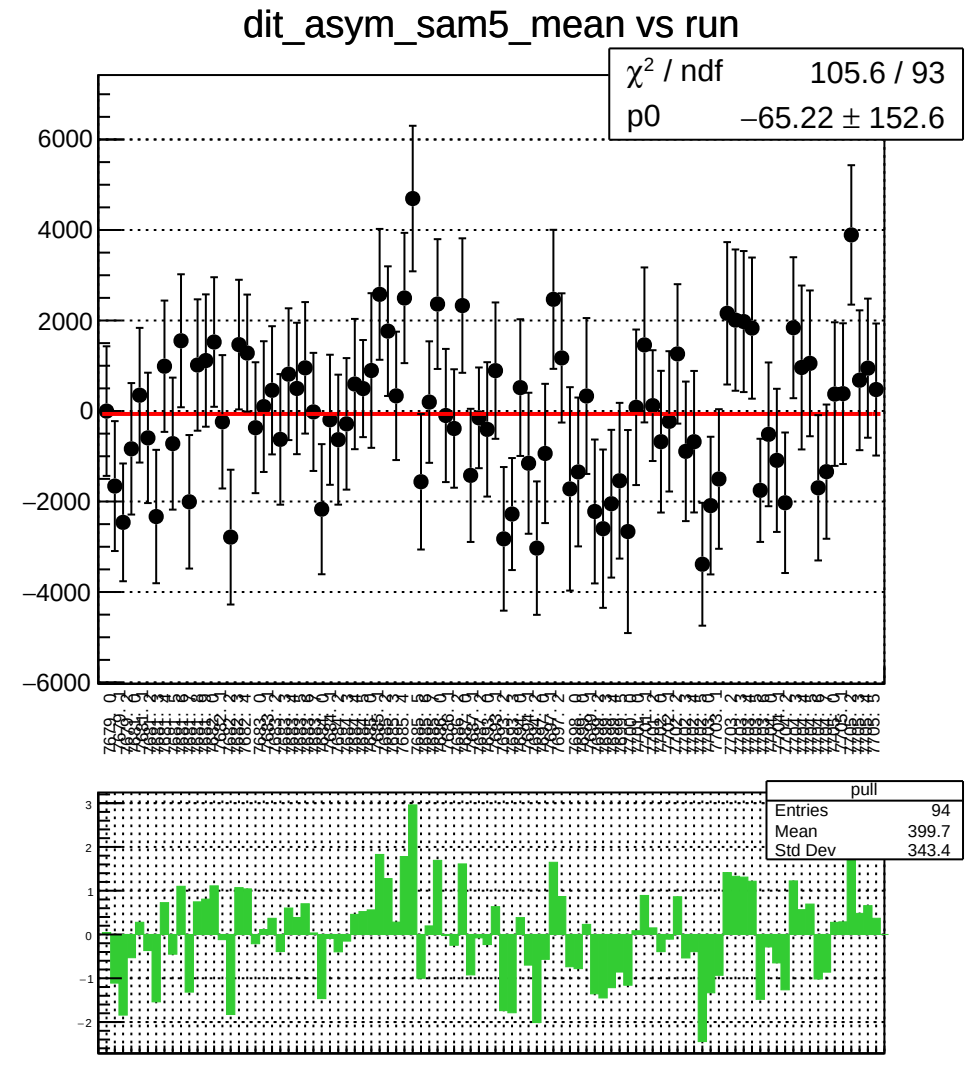

pull1D
Entries 94
Mean 0.02883
Std Dev 0.9483
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

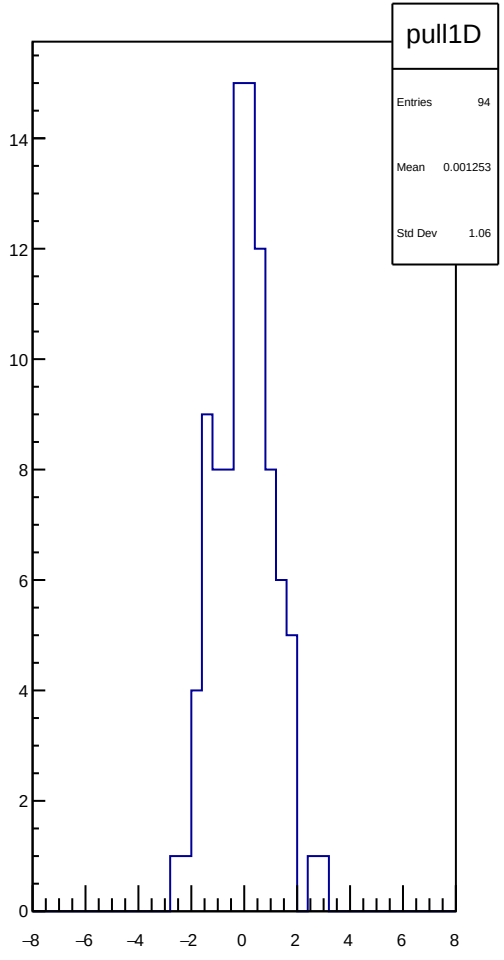

asym_sam4_correction_rms vs run
χ^2 / ndf 4.013e+04 / 93
p0 5384 ± 4.076
7000
6500
6000
5500
5000
4500
4000

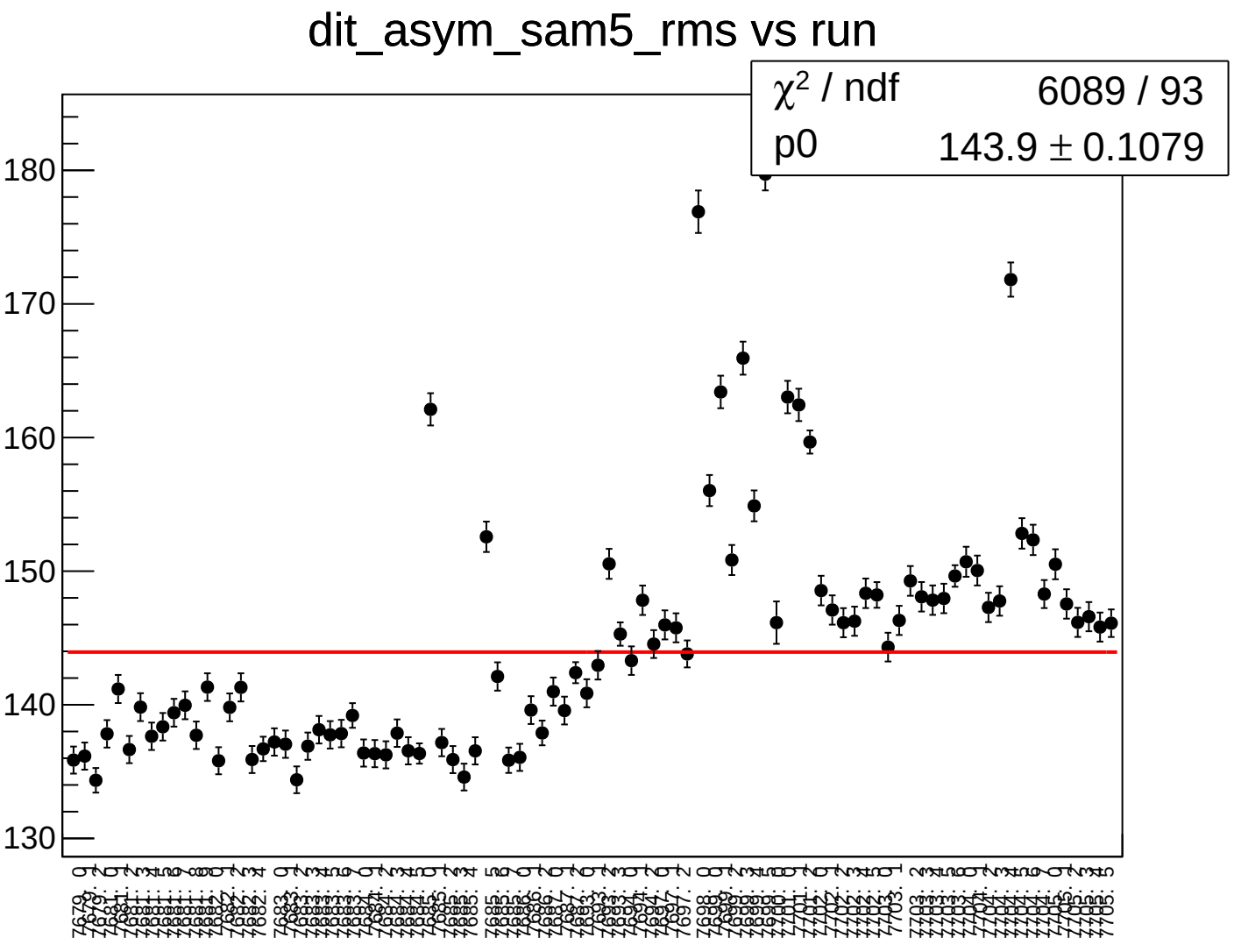

asym_sam4_mean vs run
×10^3
χ² / ndf 84.22 / 93
p0 −1732 ± 5784
200
100
0
−100
−200
pull
Entries 94
Mean −166.8
Std Dev 217.9
2
1
0
−1
−2

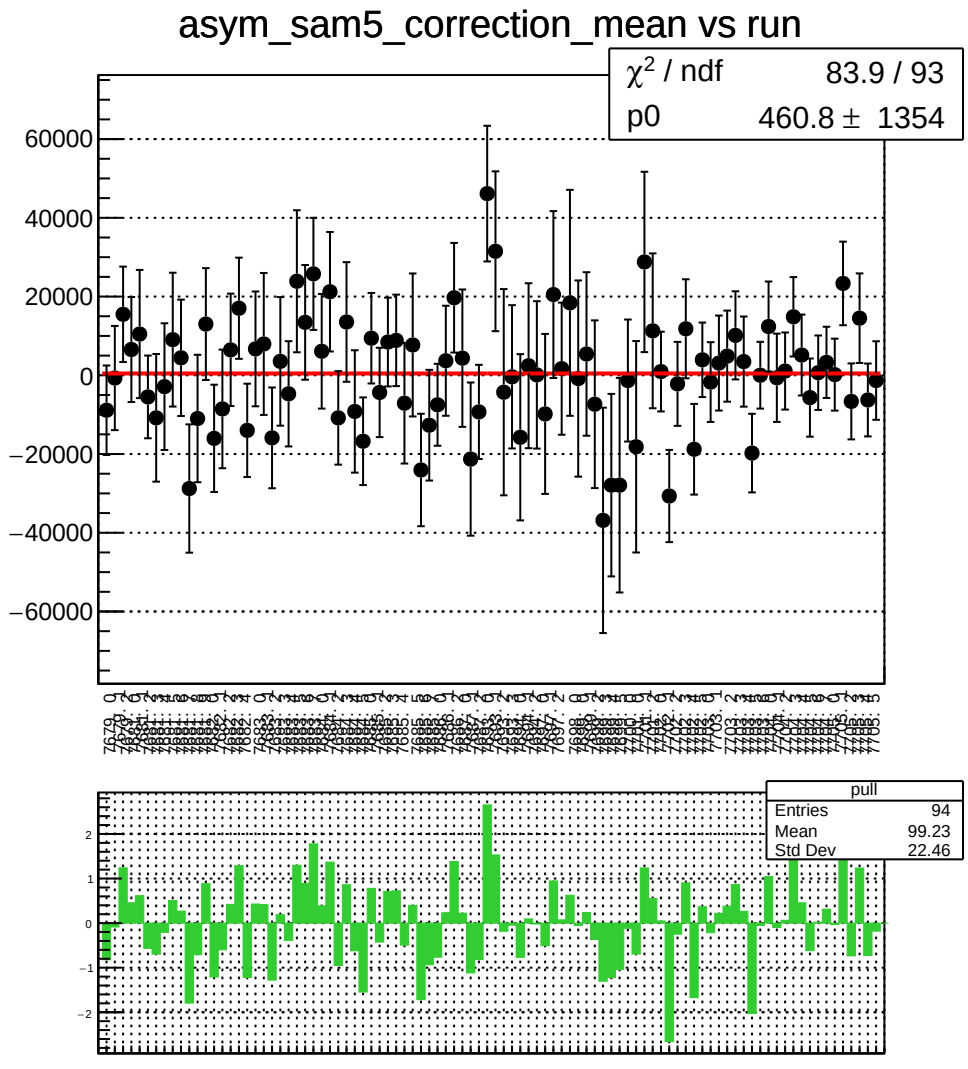

pull1D
Entries 94
Mean −0.02954
Std Dev 0.9461
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

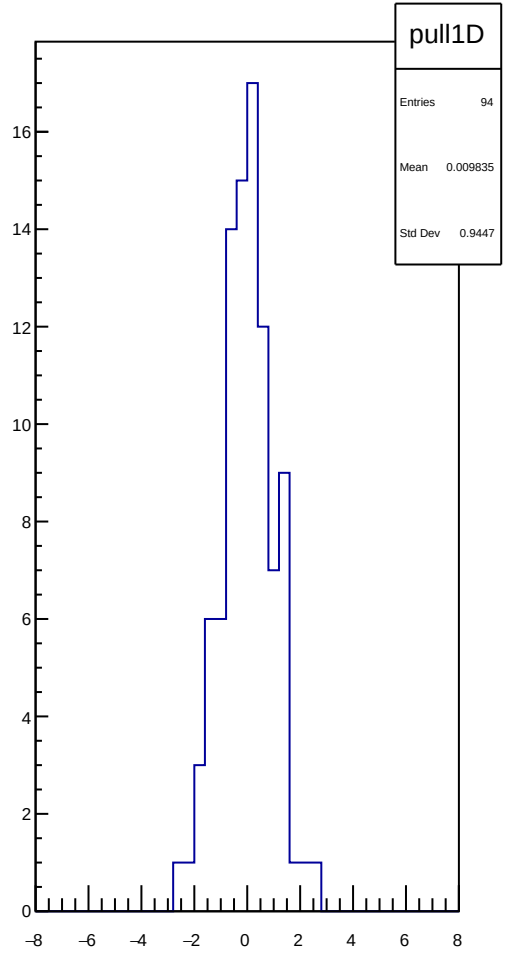

asym_sam4_rms vs run
χ² / ndf 4.057e+04 / 93
p0 5402 ± 4.09
7000
6500
6000
5500
5000
4500
4000

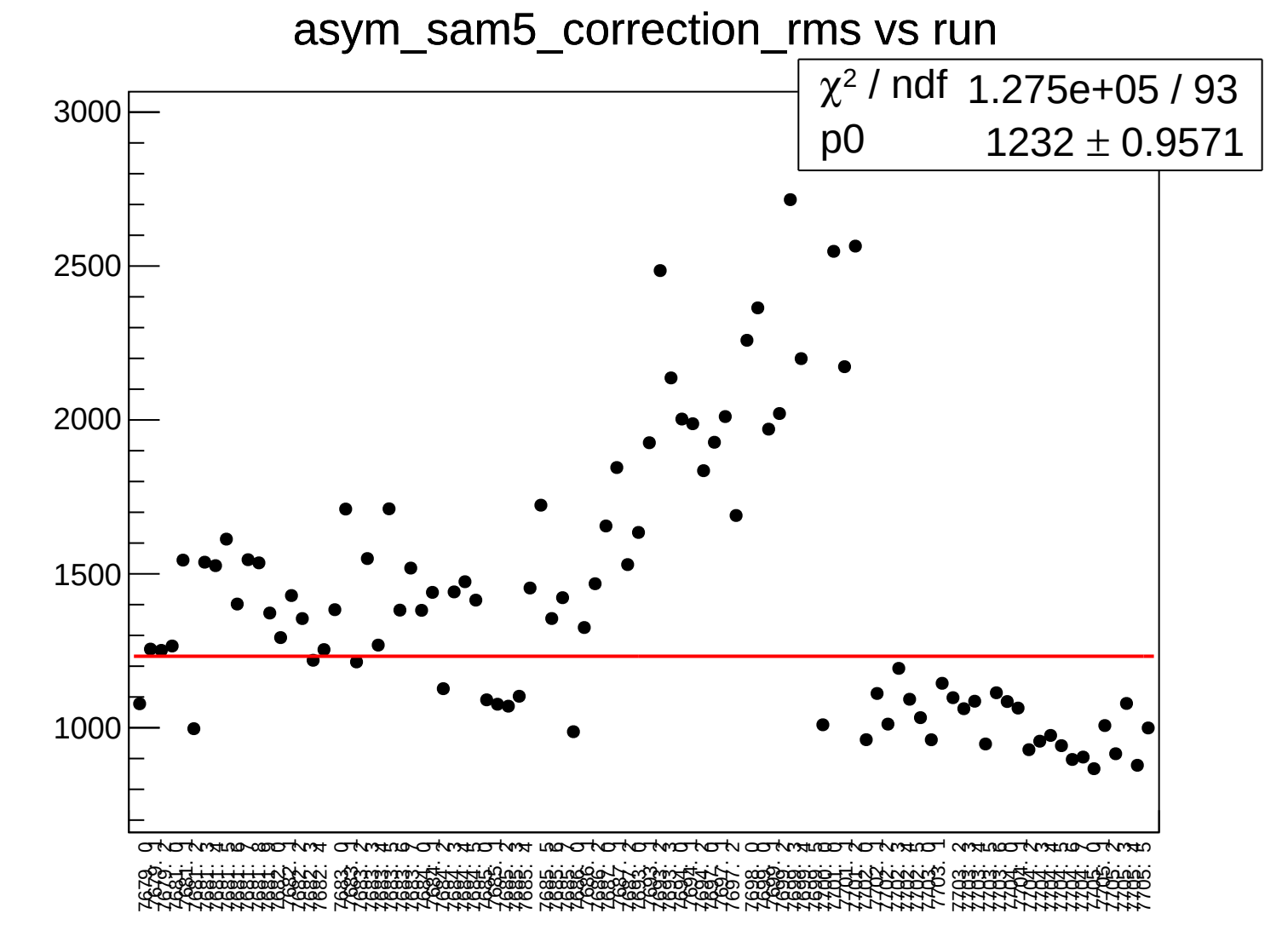

dit_asym_sam5_mean vs run
χ² / ndf 105.6 / 93
p0 −65.22 ± 152.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 94
Mean 399.7
Std Dev 343.4
3
2
1
0
−1
−2

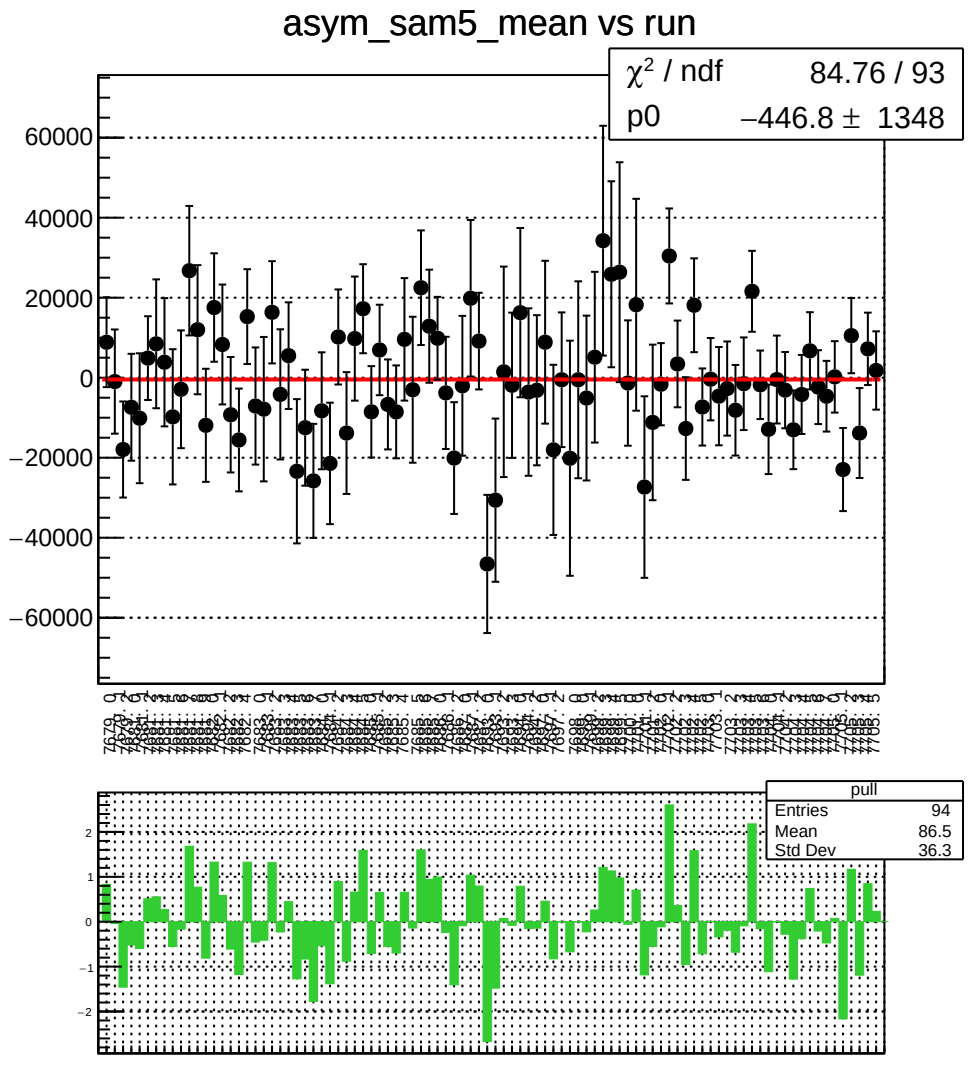

pull1D
Entries 94
Mean 0.001253
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

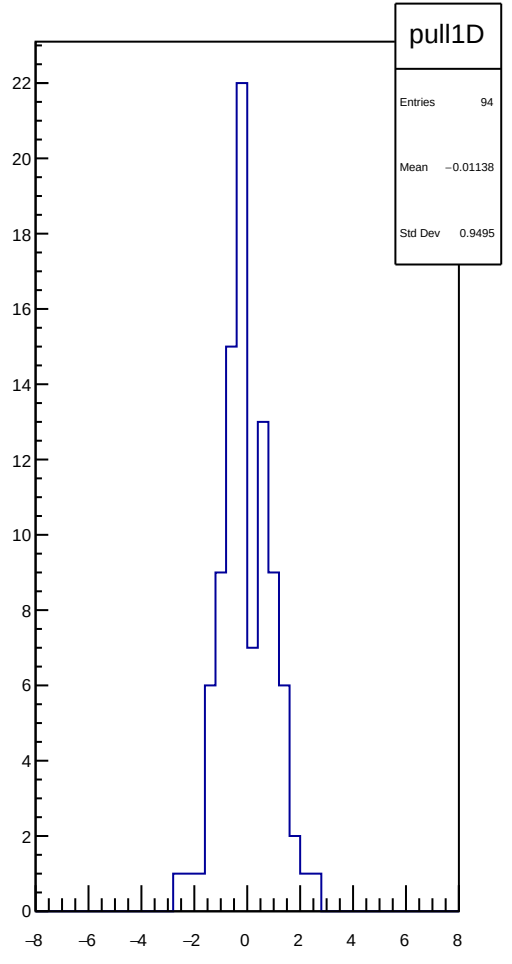

dit_asym_sam5_rms vs run
χ² / ndf 6089 / 93
p0 143.9 ± 0.1079
180
170
160
150
140
130

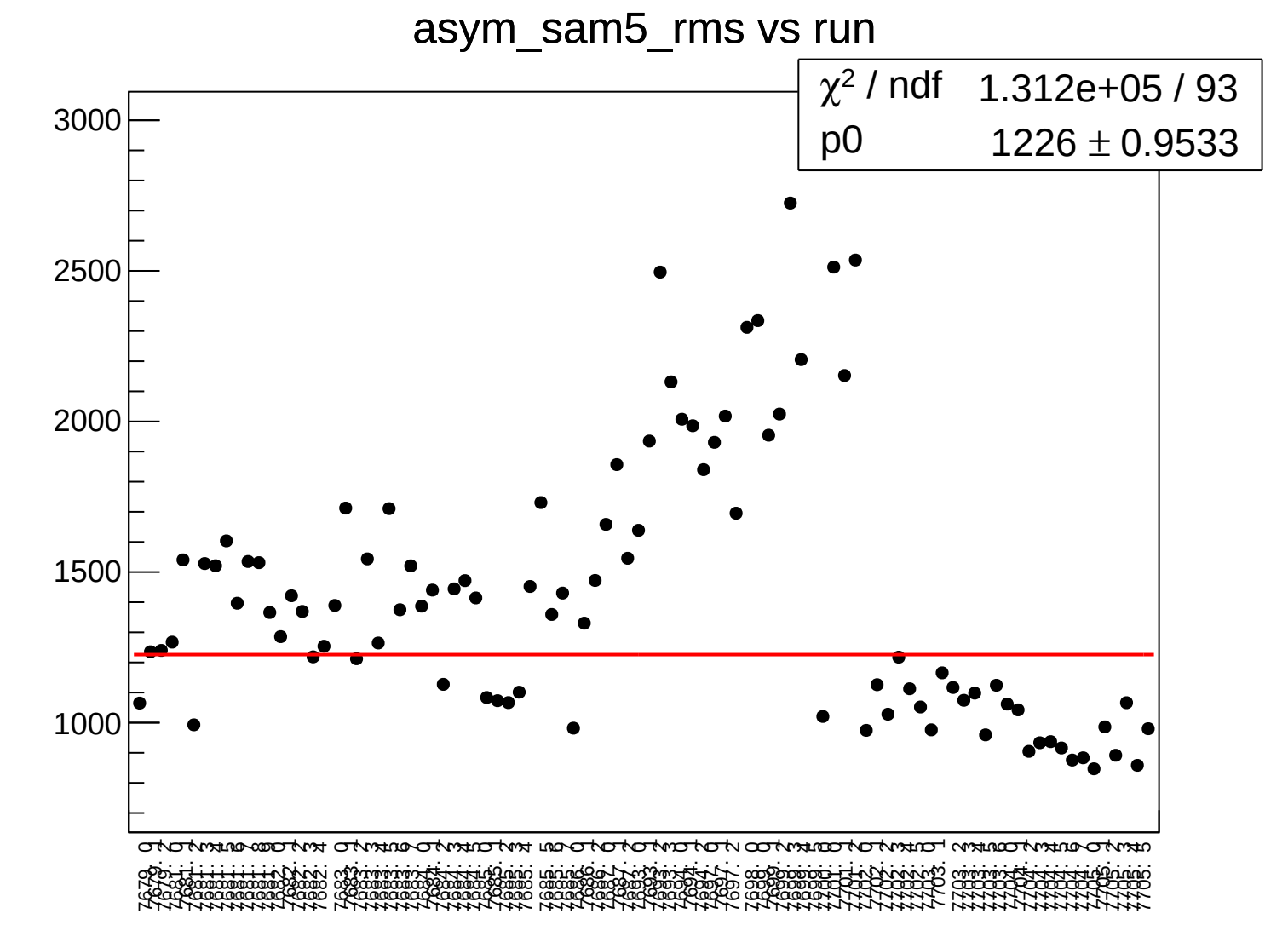

asym_sam5_correction_mean vs run
χ² / ndf 83.9 / 93
p0 460.8 ± 1354
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean 99.23
Std Dev 22.46
2
1
0
−1
−2

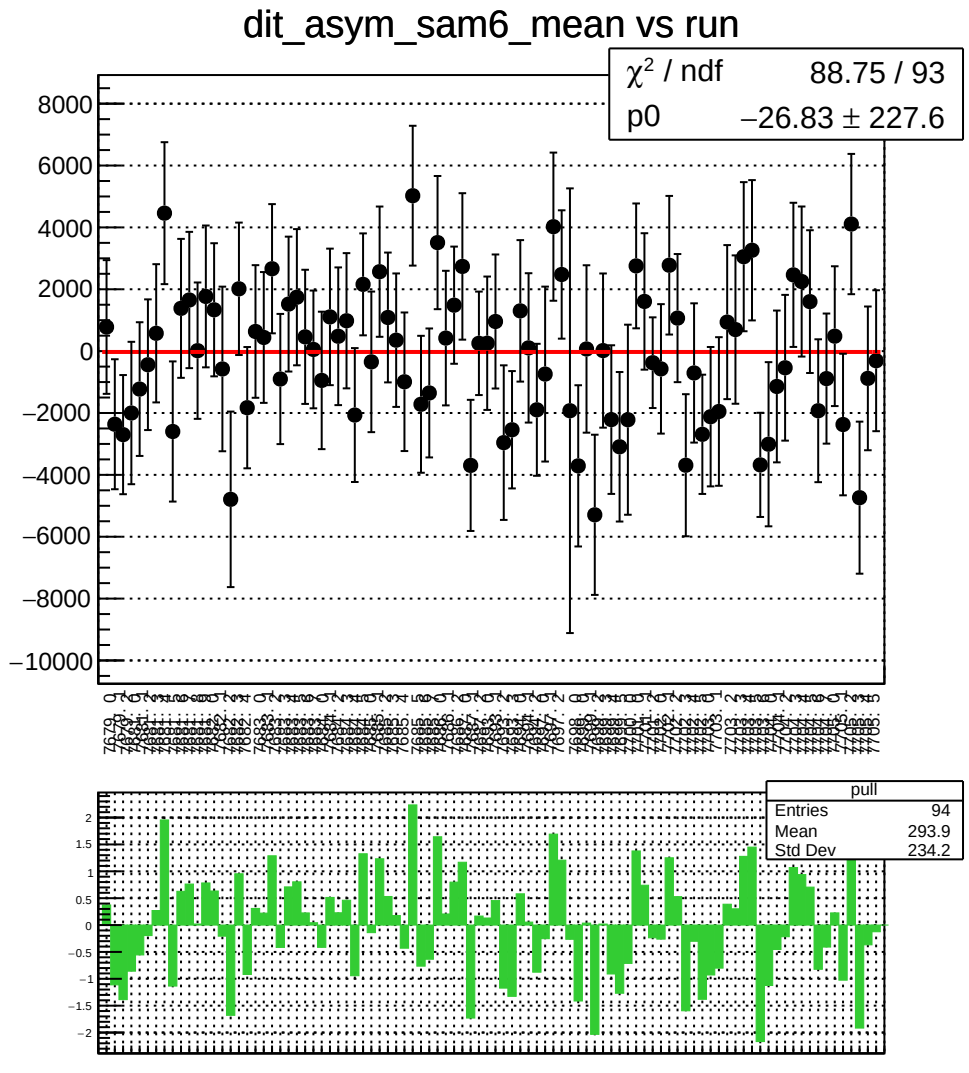

pull1D
Entries 94
Mean 0.009835
Std Dev 0.9447
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

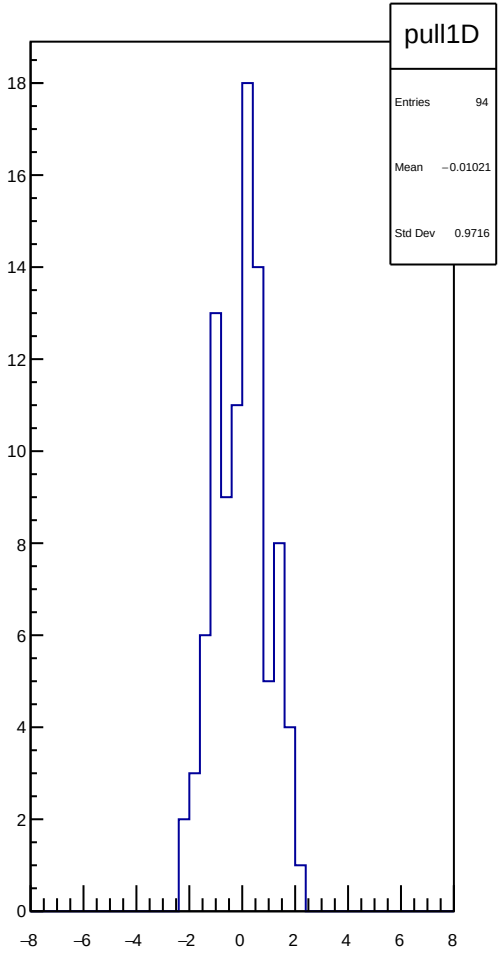

asym_sam5_correction_rms vs run
χ² / ndf 1.275e+05 / 93
p0 1232 ± 0.9571
3000
2500
2000
1500
1000

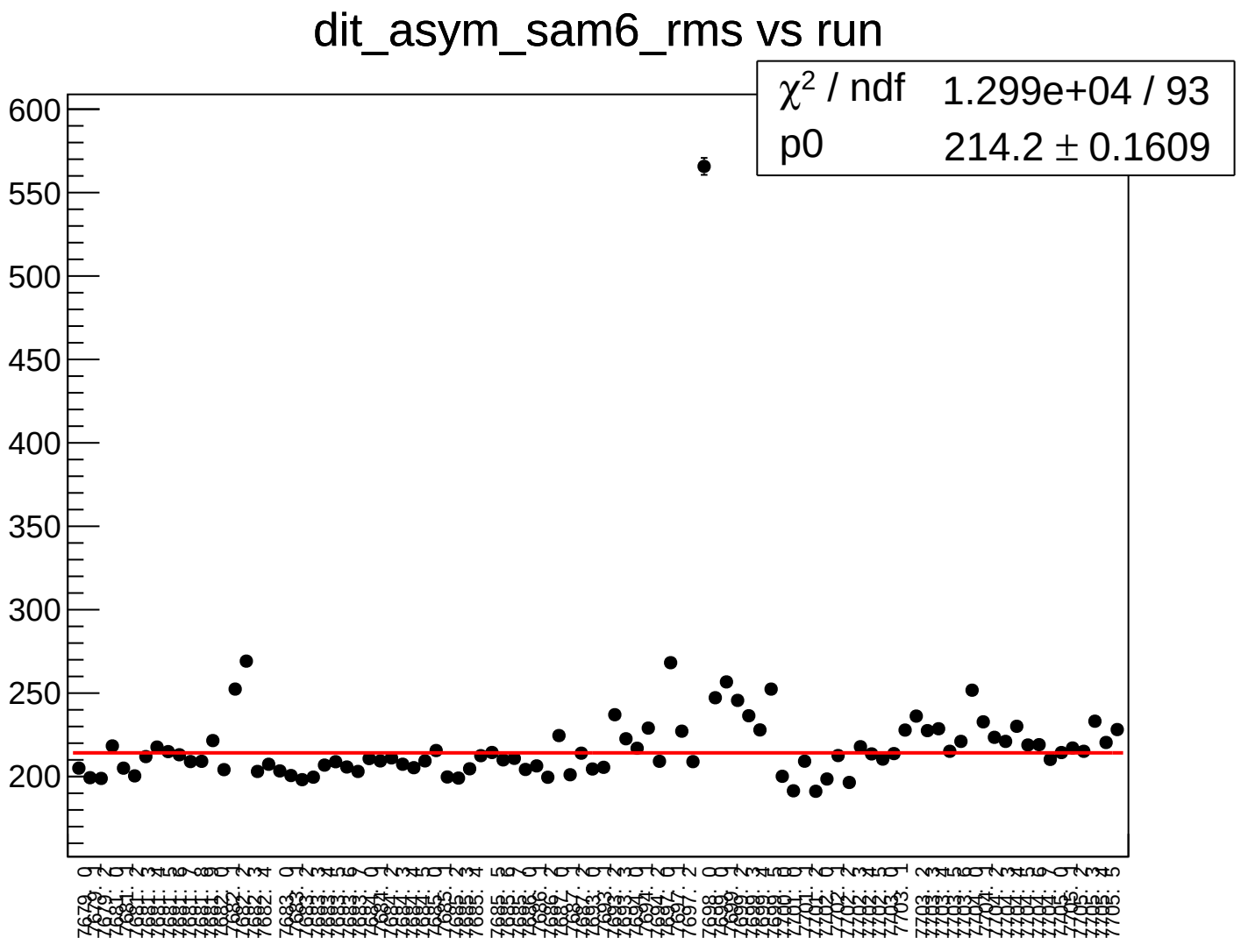

asym_sam5_mean vs run
χ² / ndf 84.76 / 93
p0 −446.8 ± 1348
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean 86.5
Std Dev 36.3
2
1
0
−1
−2

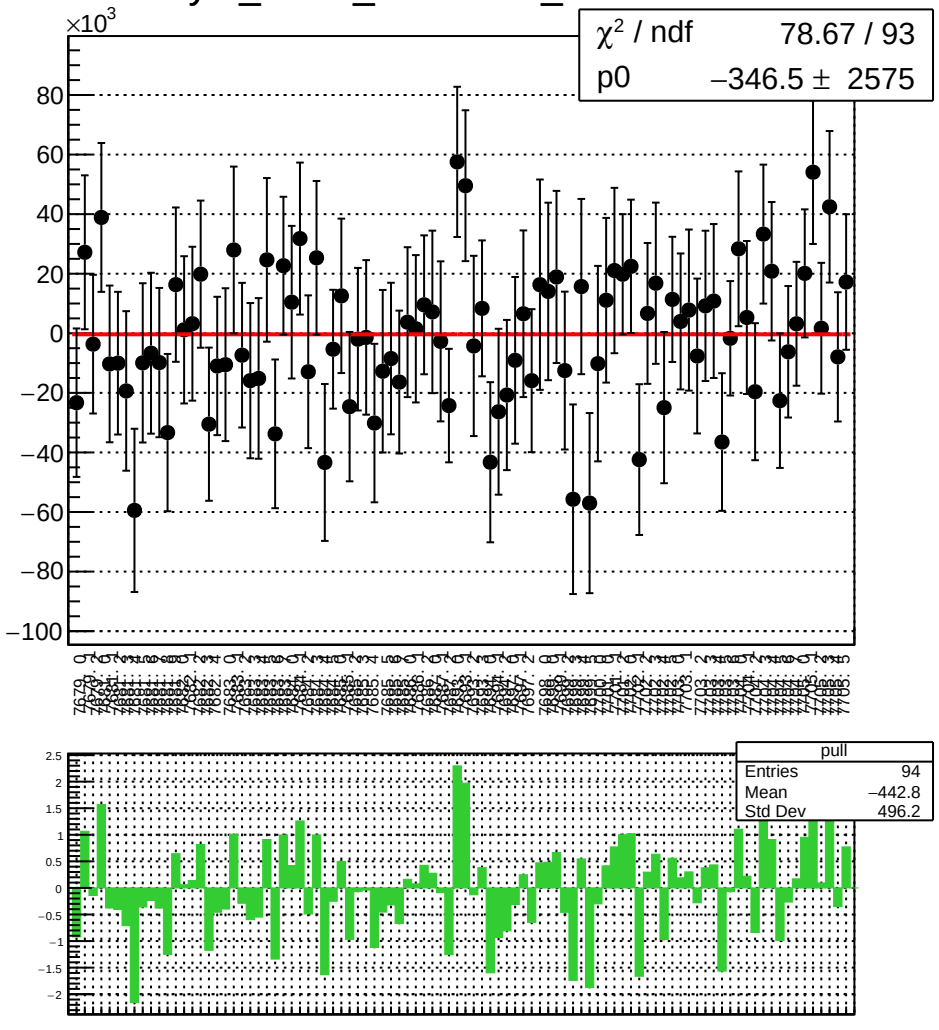

pull1D
Entries 94
Mean −0.01138
Std Dev 0.9495
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

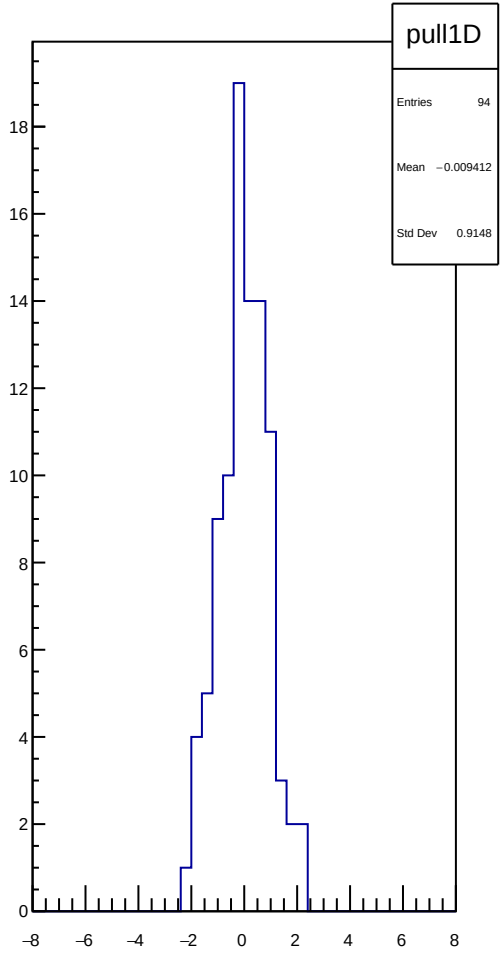

asym_sam5_rms vs run
χ^2 / ndf 1.312e+05 / 93
p0 1226 ± 0.9533
3000
2500
2000
1500
1000

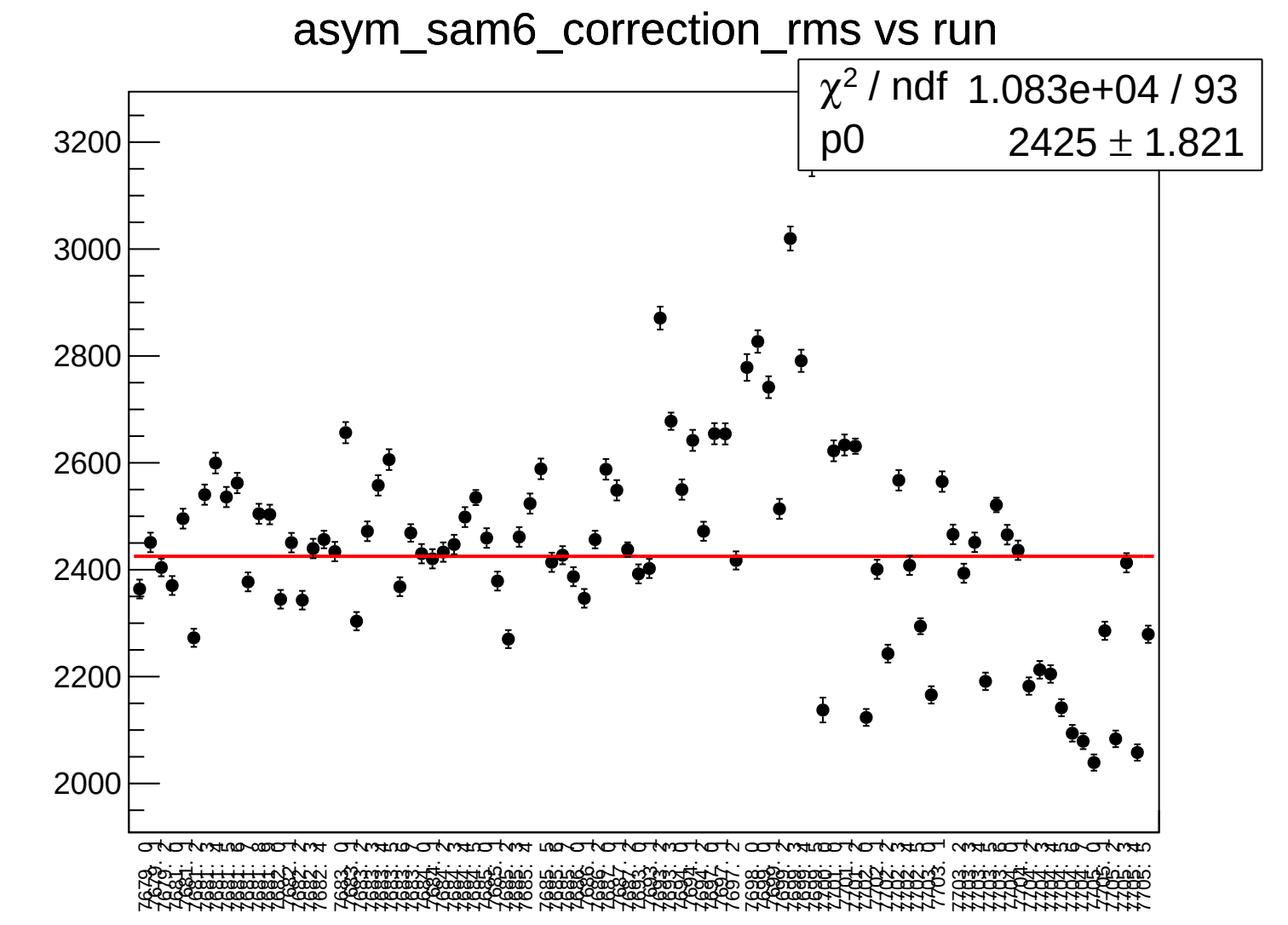

dit_asym_sam6_mean vs run
χ² / ndf 88.75 / 93
p0 −26.83 ± 227.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 94
Mean 293.9
Std Dev 234.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

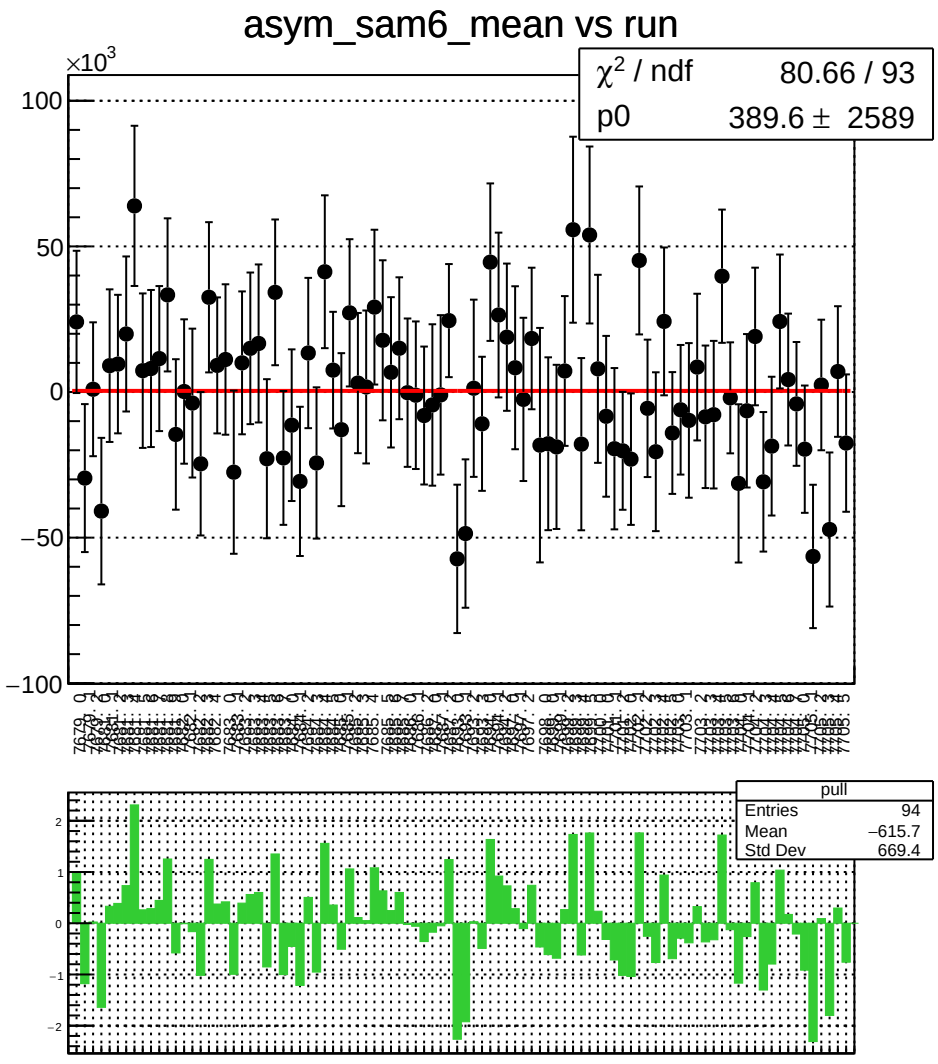

pull1D
Entries 94
Mean −0.01021
Std Dev 0.9716
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

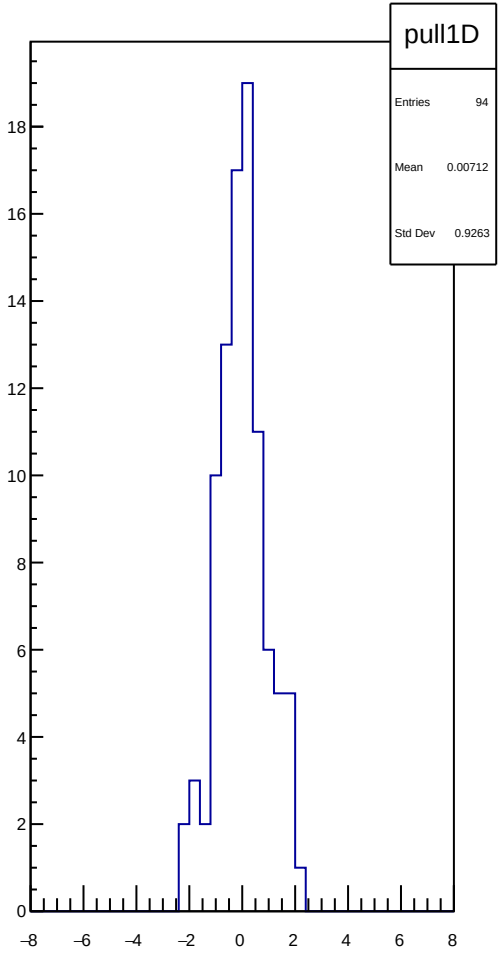

dit_asym_sam6_rms vs run
χ^2 / ndf 1.299e+04 / 93
p0 214.2 ± 0.1609
600
550
500
450
400
350
300
250
200

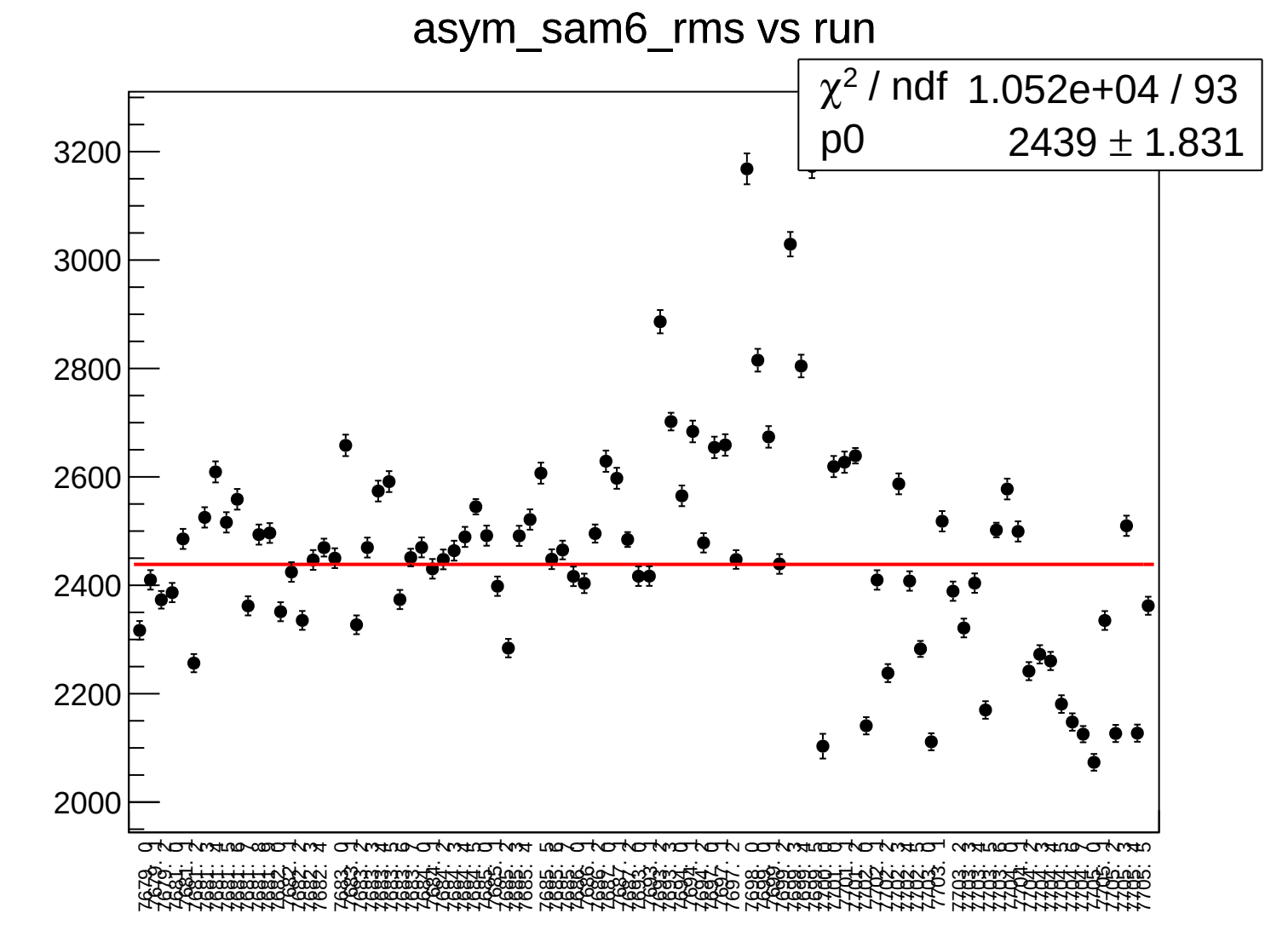

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 78.67 / 93
p0 −346.5 ± 2575
pull
Entries 94
Mean −442.8
Std Dev 496.2

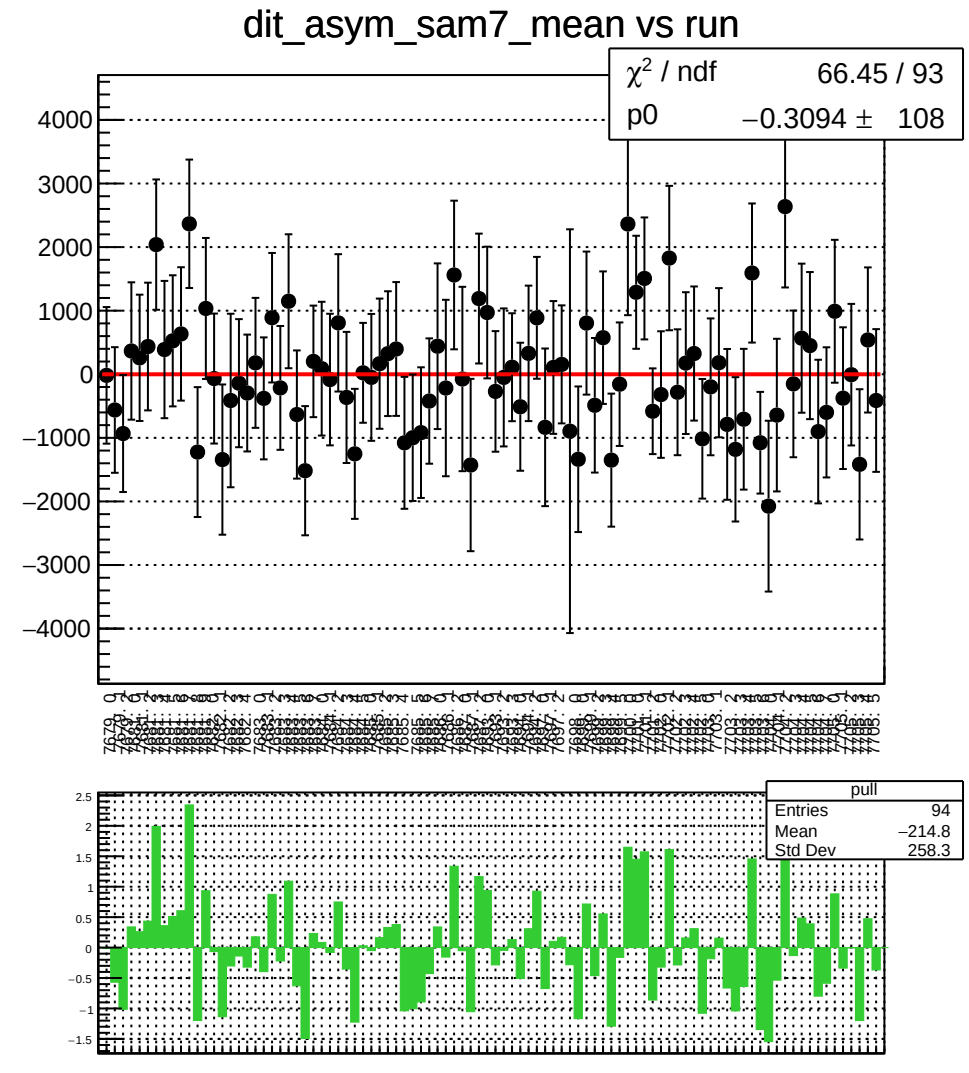

pull1D
Entries 94
Mean −0.009412
Std Dev 0.9148

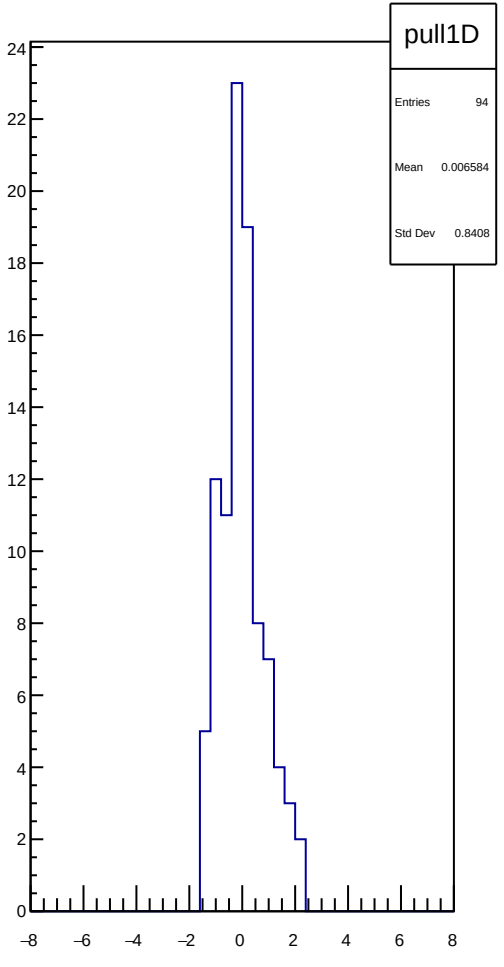

asym_sam6_correction_rms vs run
χ² / ndf 1.083e+04 / 93
p0 2425 ± 1.821
3200
3000
2800
2600
2400
2200
2000

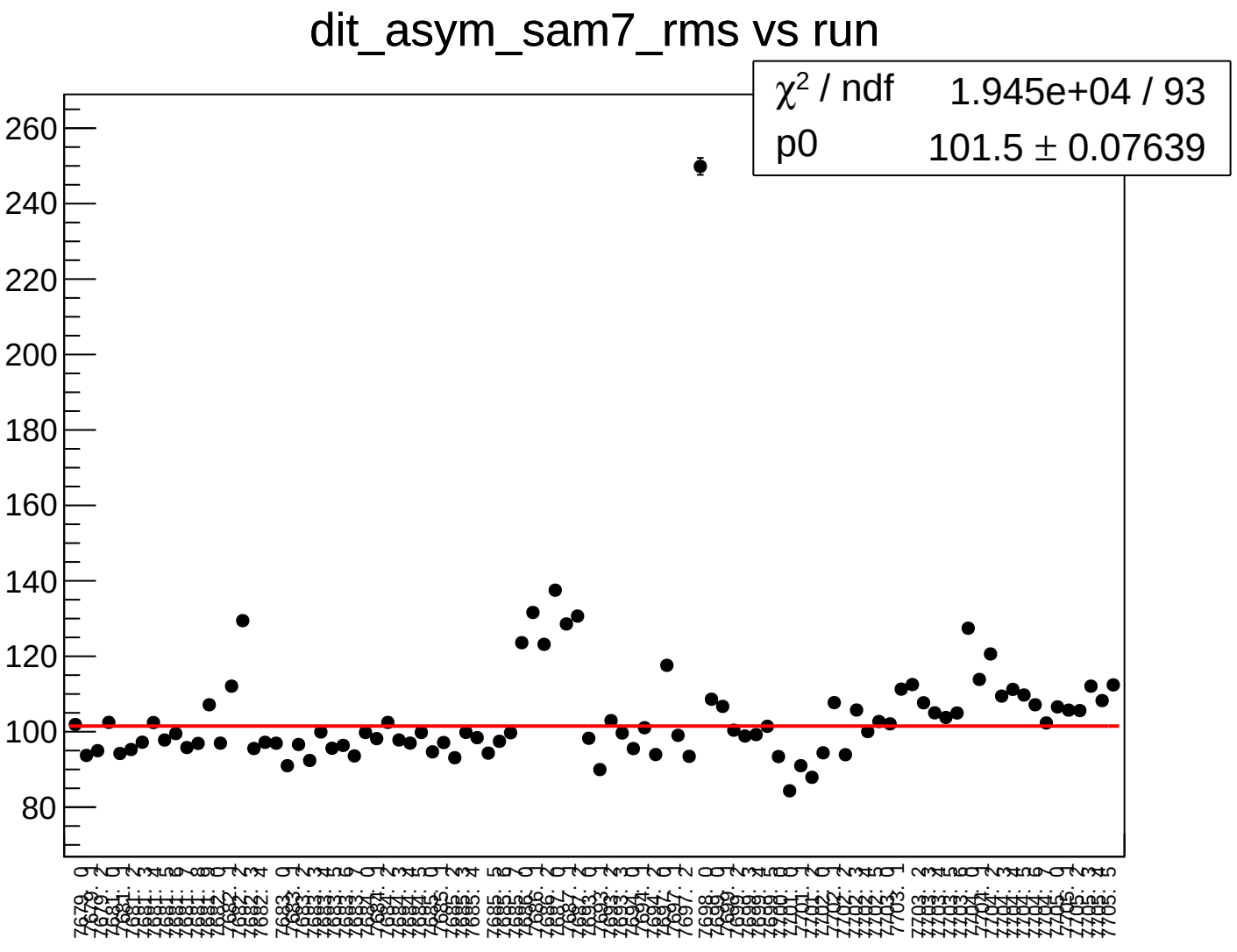

asym_sam6_mean vs run
×10^3
χ² / ndf 80.66 / 93
p0 389.6 ± 2589
100
50
0
−50
−100
pull
Entries 94
Mean −615.7
Std Dev 669.4
2
1
0
−1
−2

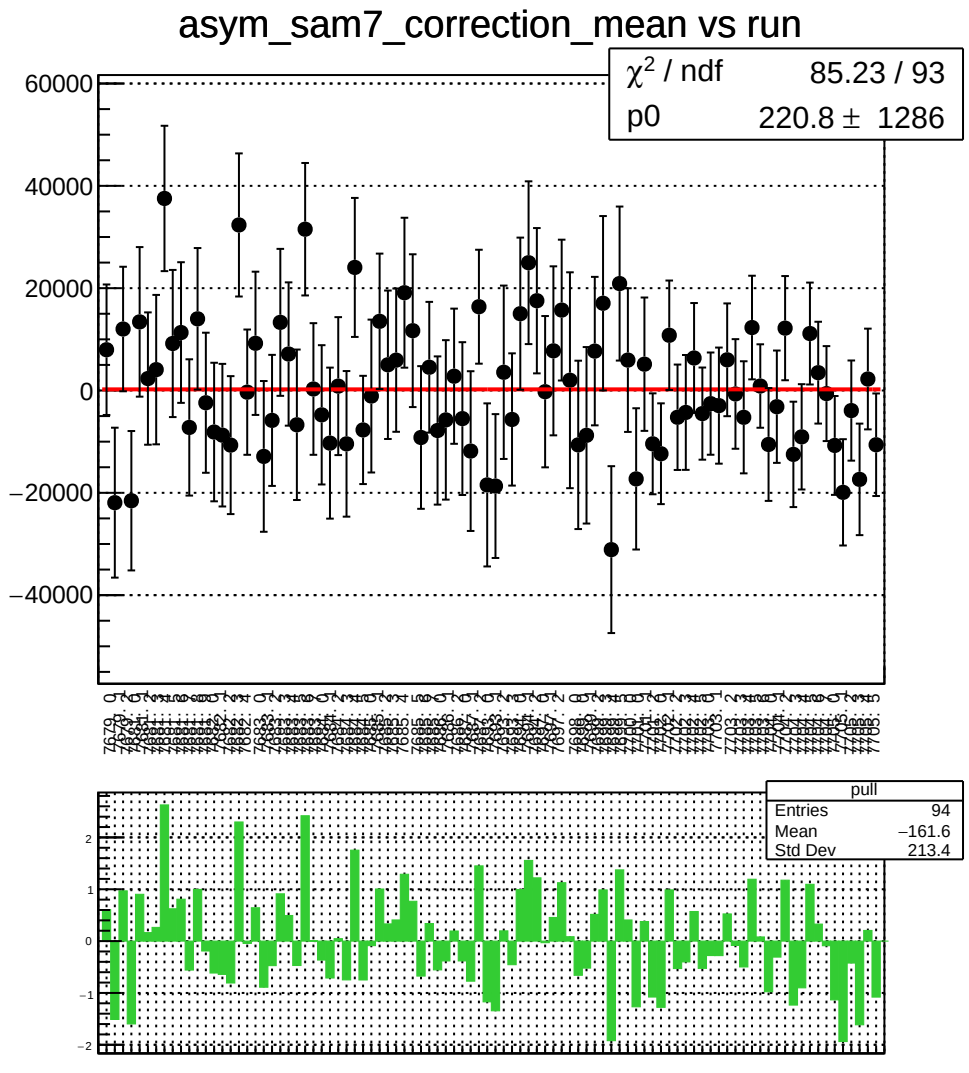

pull1D
Entries 94
Mean 0.00712
Std Dev 0.9263
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

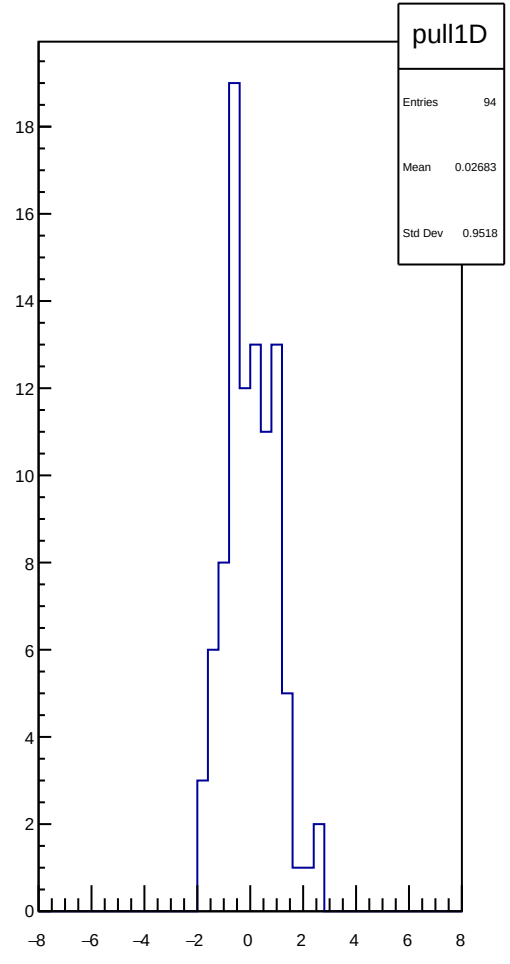

asym_sam6_rms vs run
χ² / ndf 1.052e+04 / 93
p0 2439 ± 1.831
3200
3000
2800
2600
2400
2200
2000

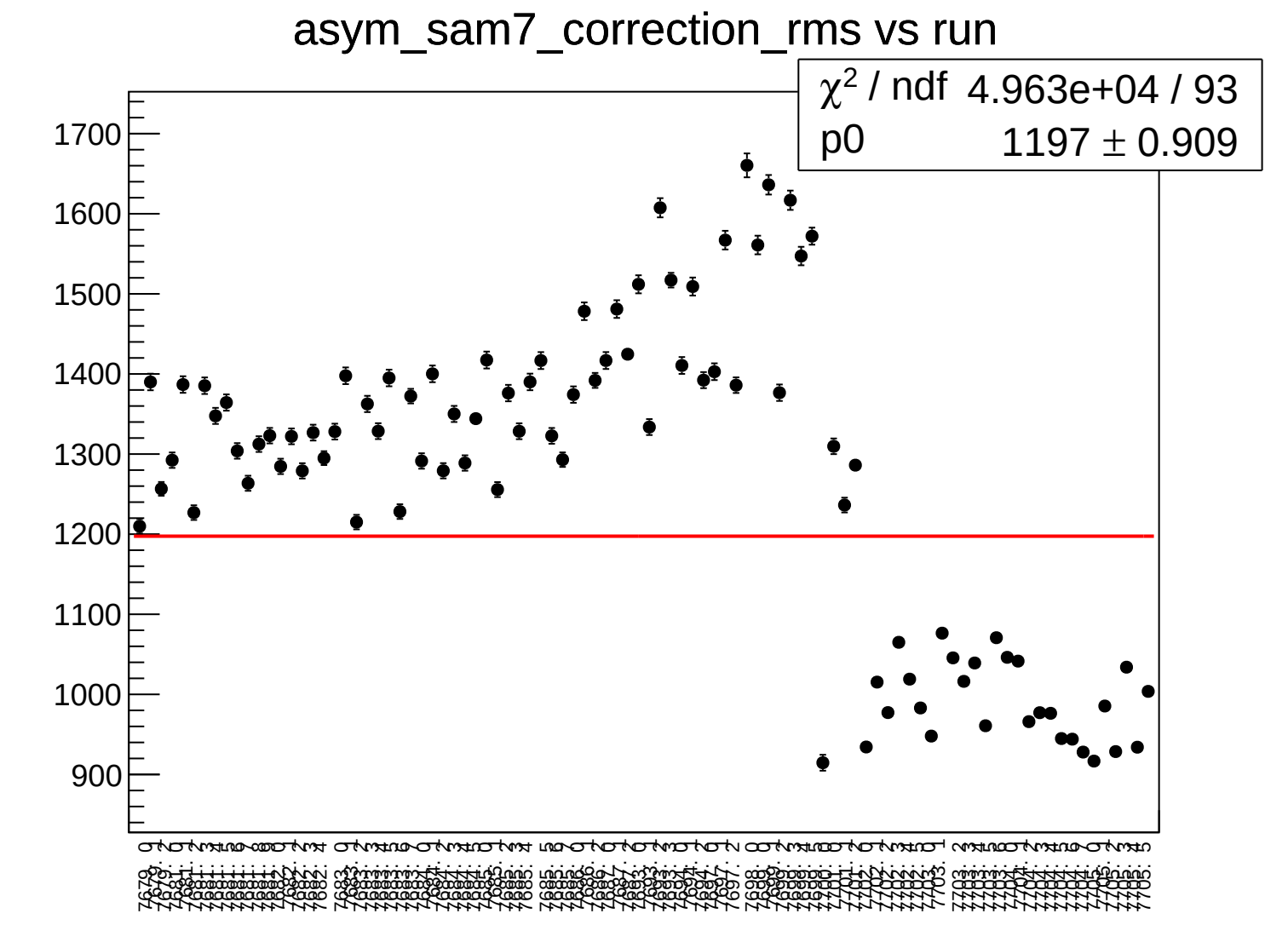

dit_asym_sam7_mean vs run
χ² / ndf 66.45 / 93
p0 −0.3094 ± 108
pull
Entries 94
Mean −214.8
Std Dev 258.3

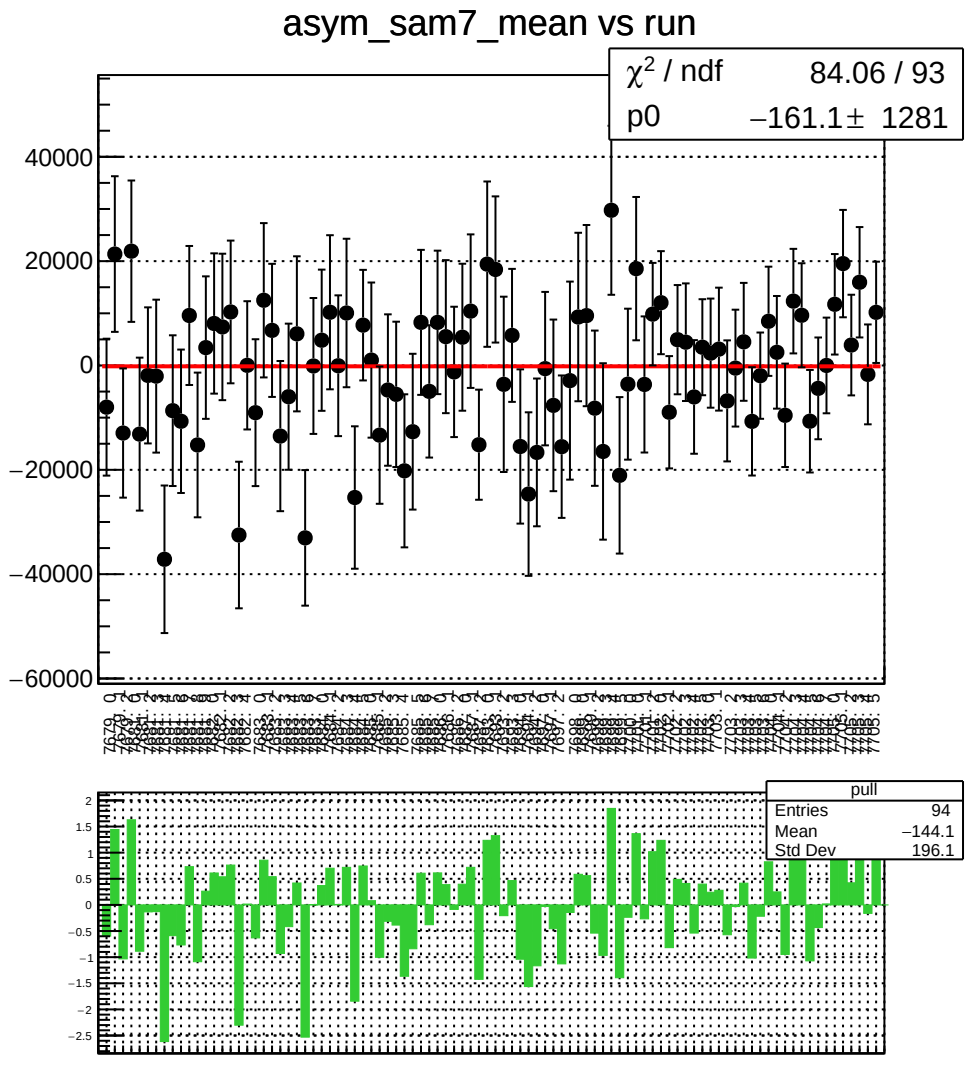

pull1D
Entries 94
Mean 0.006584
Std Dev 0.8408

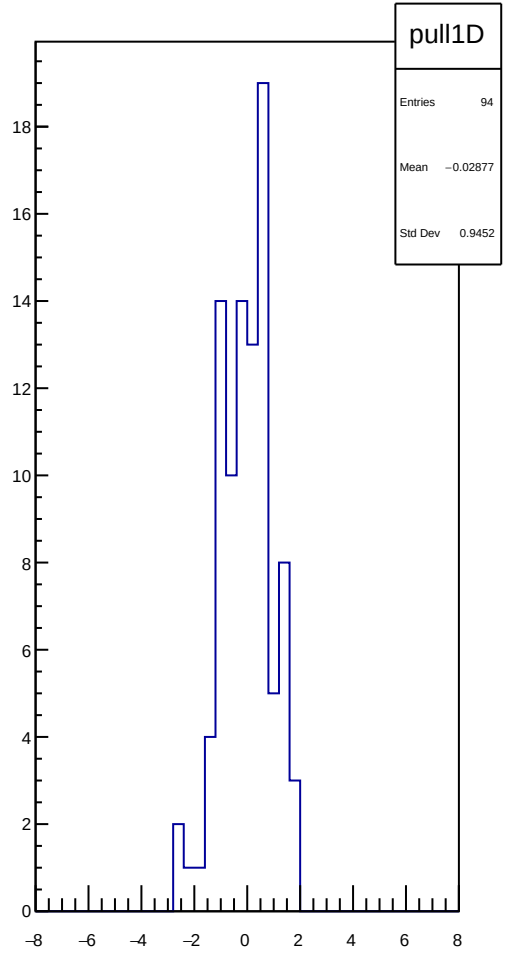

dit_asym_sam7_rms vs run
χ^2 / ndf 1.945e+04 / 93
p0 101.5 ± 0.07639
260
240
220
200
180
160
140
120
100
80

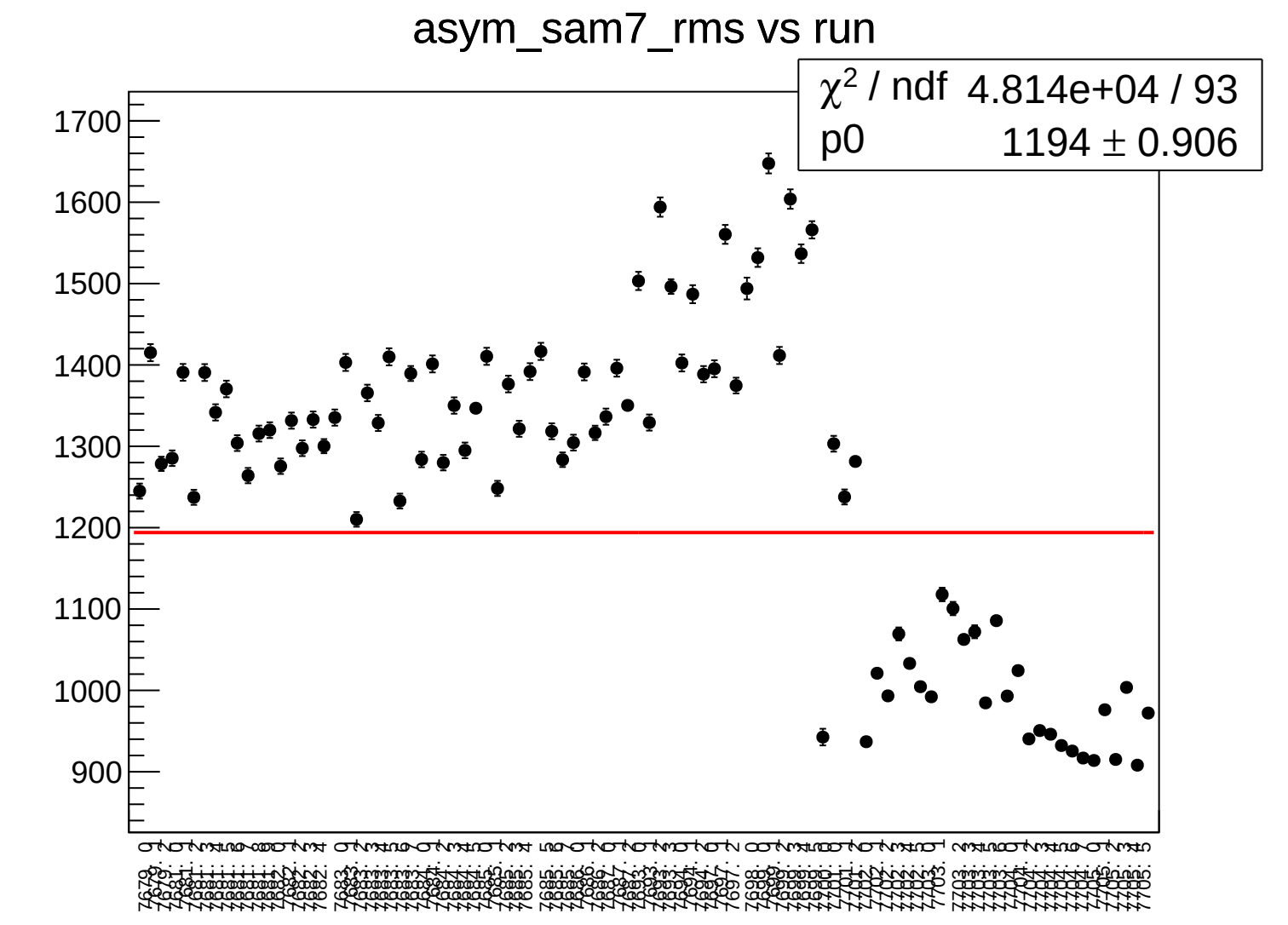

asym_sam7_correction_mean vs run
χ² / ndf 85.23 / 93
p0 220.8 ± 1286
pull
Entries 94
Mean −161.6
Std Dev 213.4

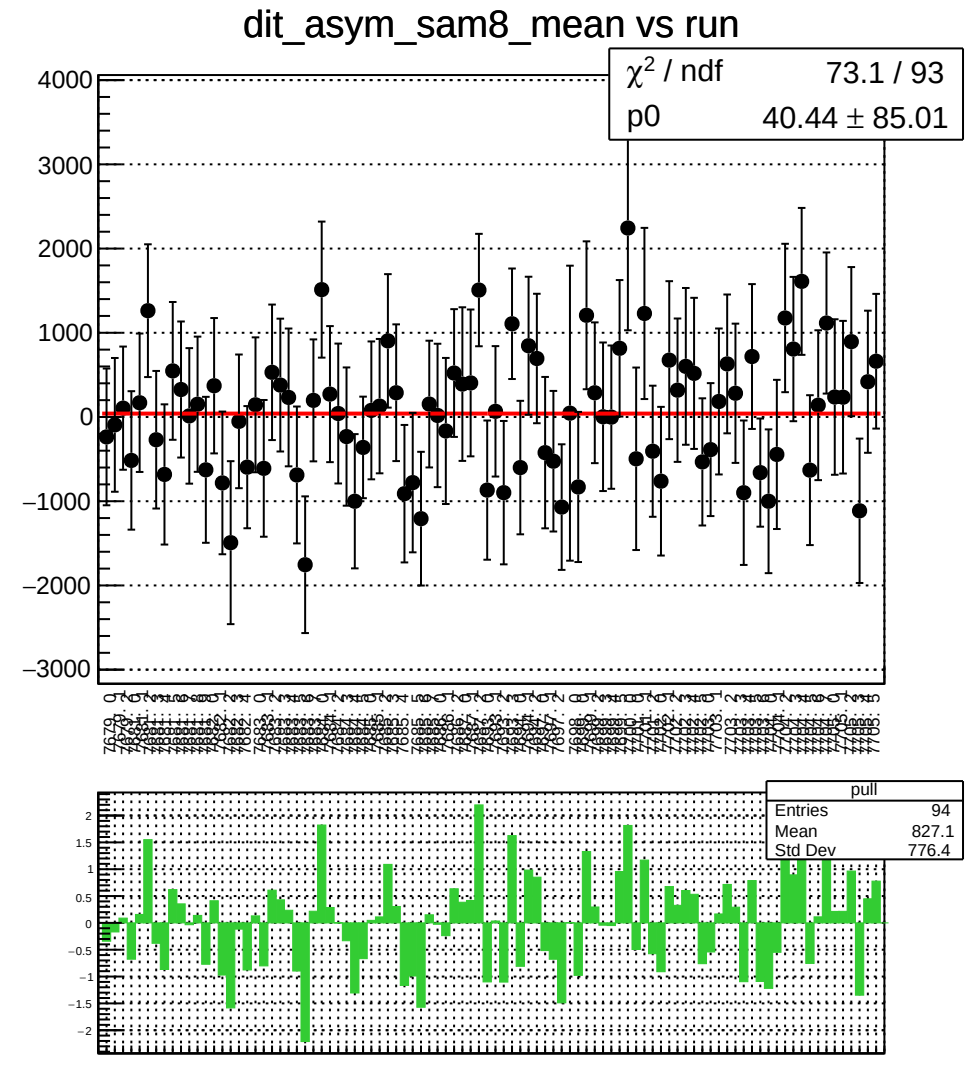

pull1D
Entries 94
Mean 0.02683
Std Dev 0.9518

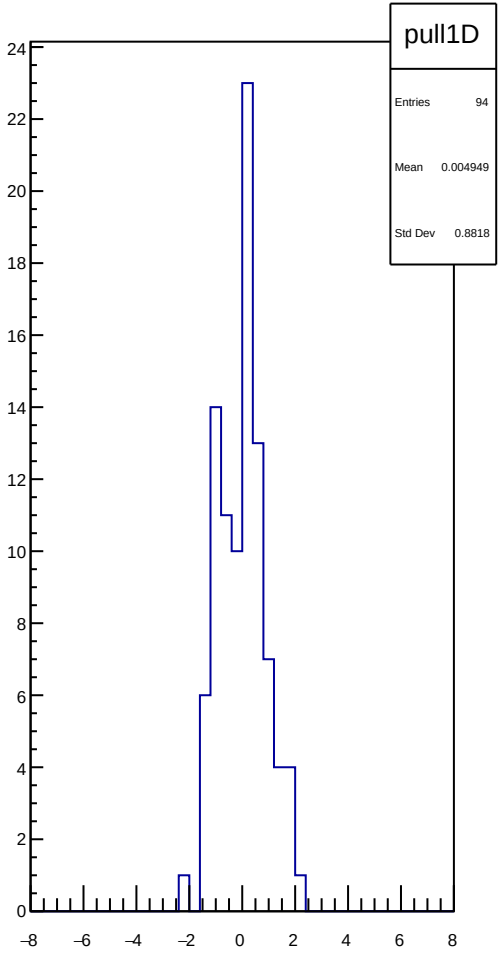

asym_sam7_correction_rms vs run
χ^2 / ndf 4.963e+04 / 93
p0 1197 ± 0.909
1700
1600
1500
1400
1300
1200
1100
1000
900

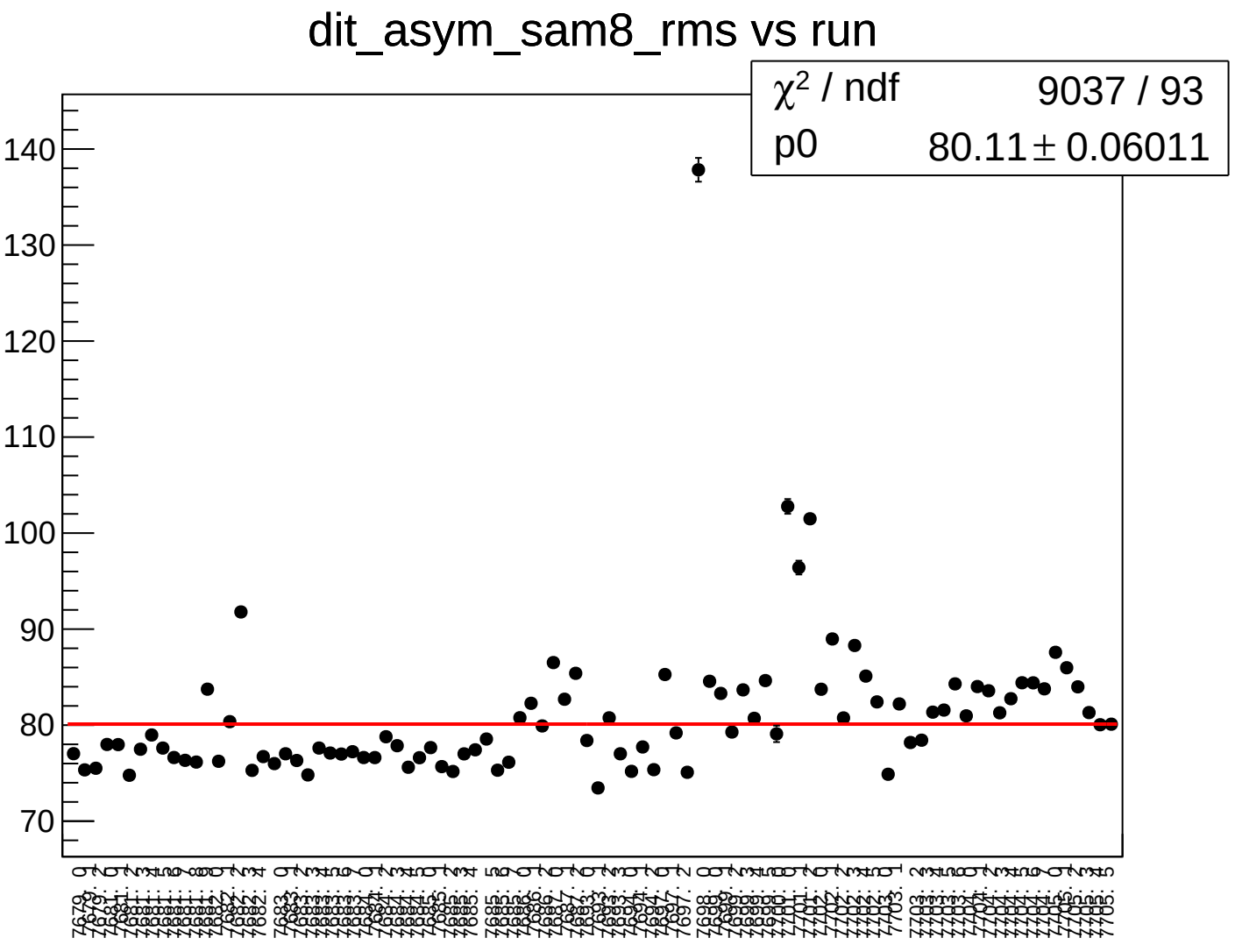

asym_sam7_mean vs run
χ² / ndf 84.06 / 93
p0 −161.1± 1281
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean −144.1
Std Dev 196.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

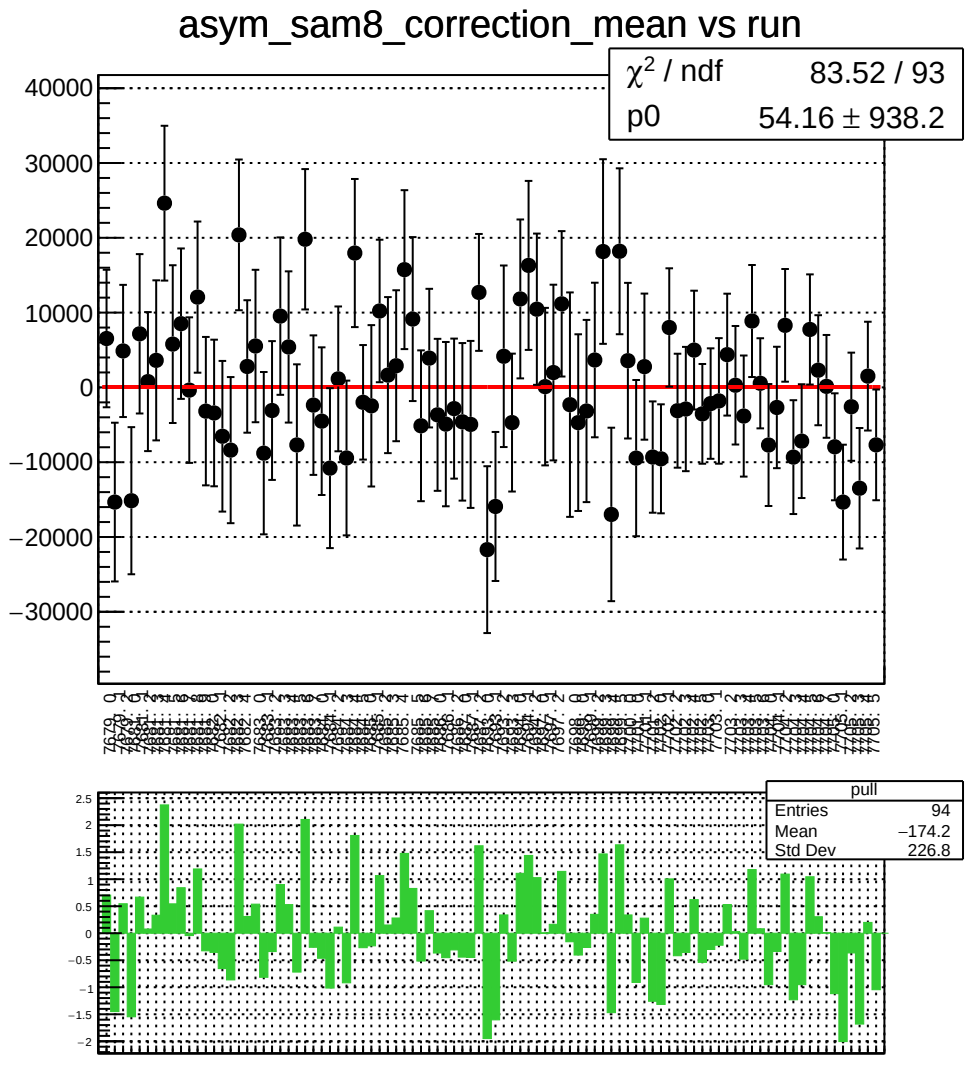

pull1D
Entries 94
Mean −0.02877
Std Dev 0.9452
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

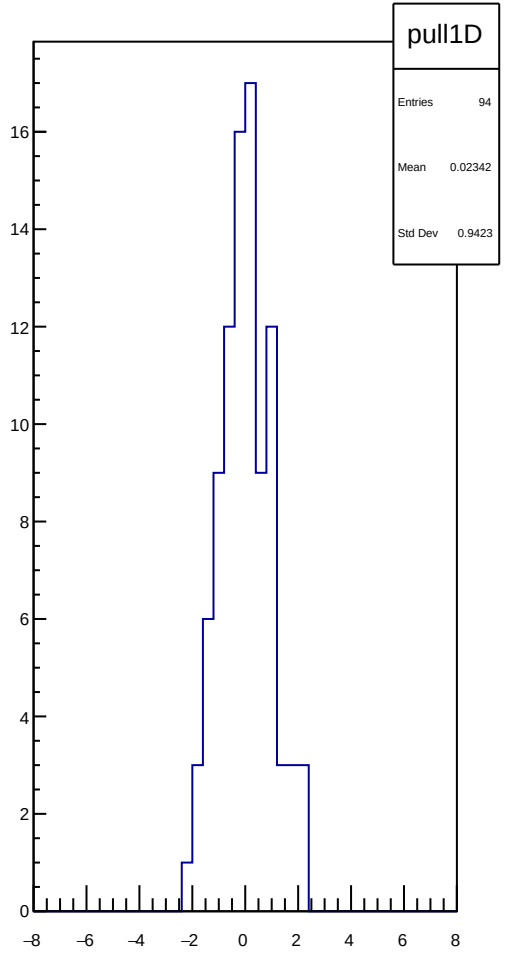

asym_sam7_rms vs run
χ² / ndf 4.814e+04 / 93
p0 1194 ± 0.906
1700
1600
1500
1400
1300
1200
1100
1000
900

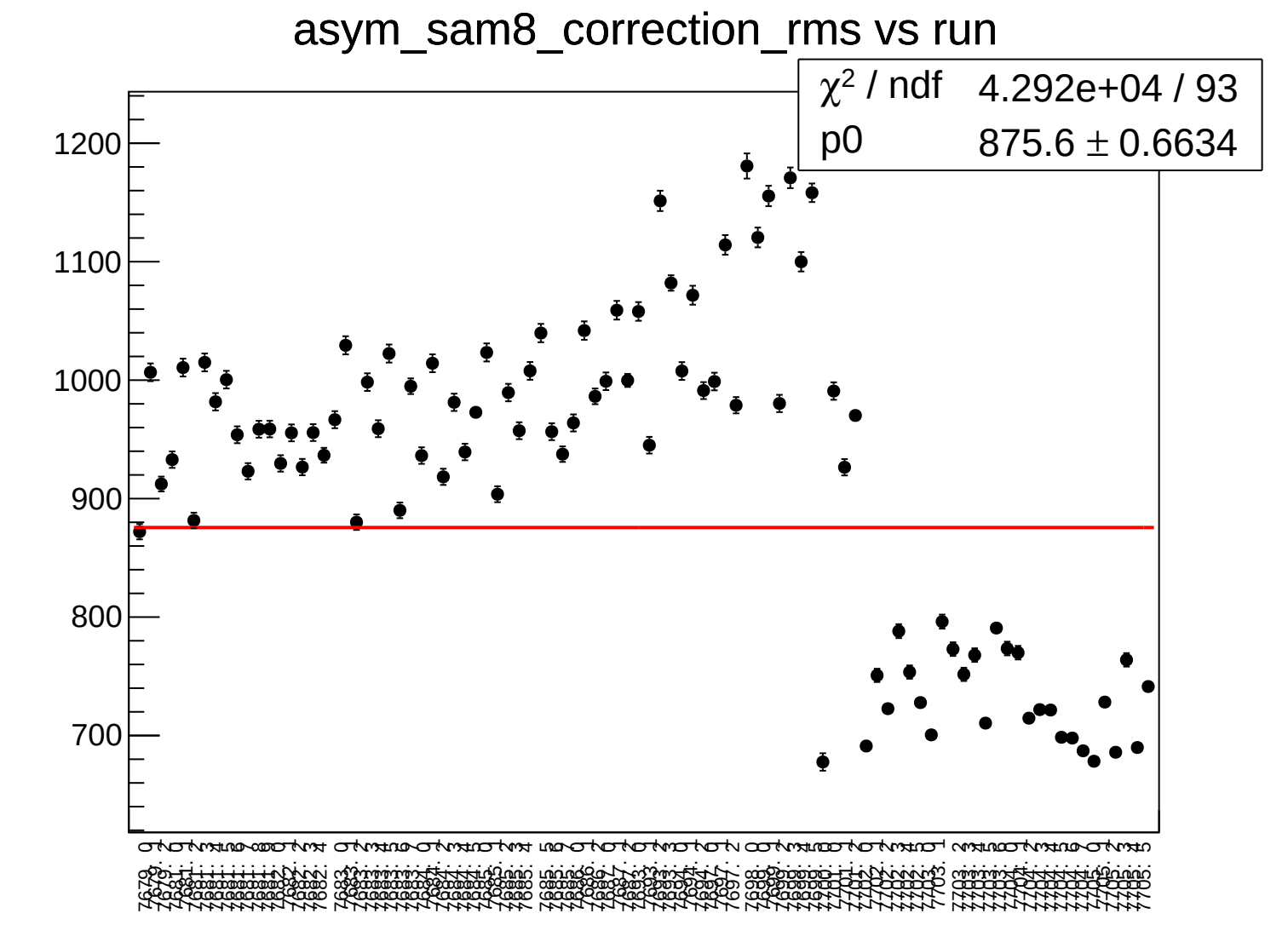

dit_asym_sam8_mean vs run
χ² / ndf 73.1 / 93
p0 40.44 ± 85.01
pull
Entries 94
Mean 827.1
Std Dev 776.4

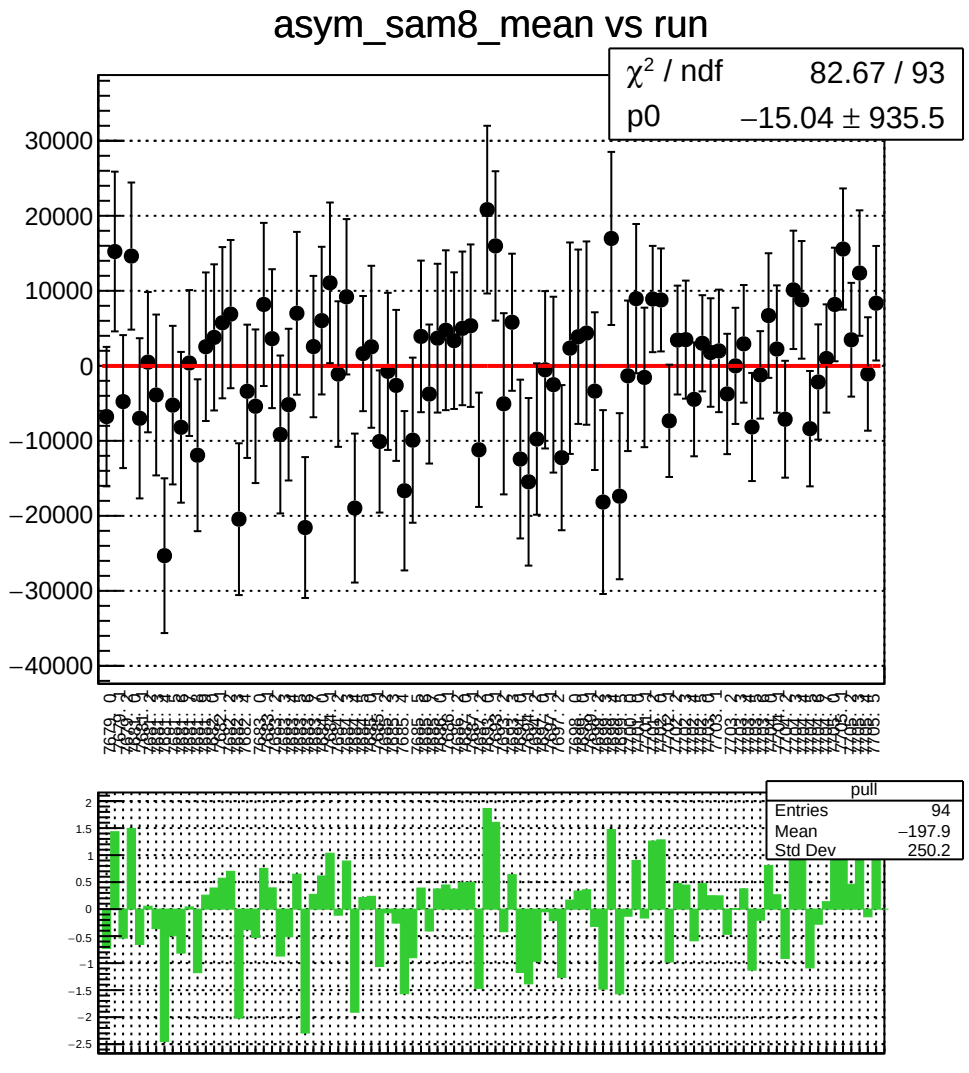

pull1D
Entries 94
Mean 0.004949
Std Dev 0.8818

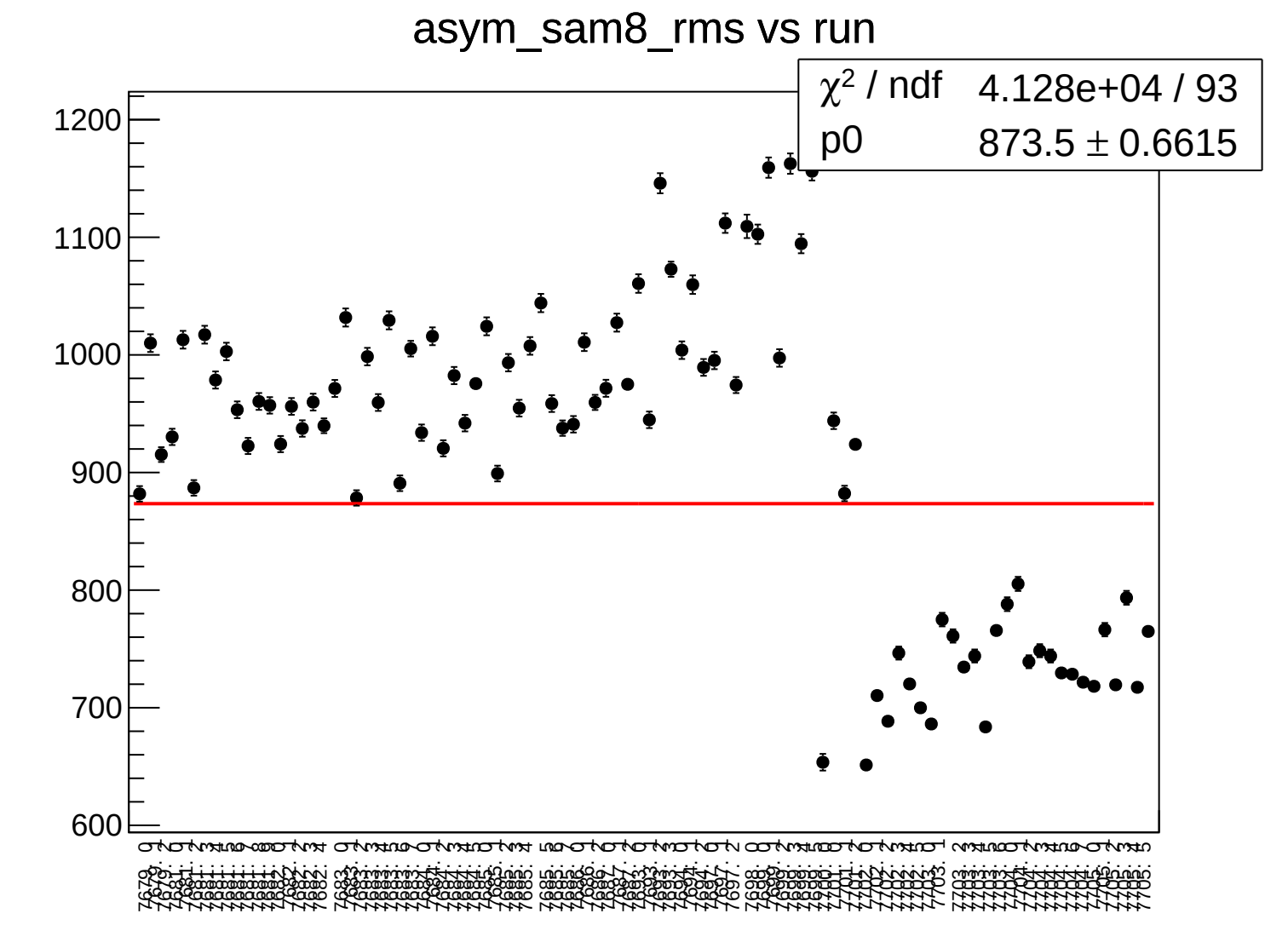

dit_asym_sam8_rms vs run
χ^2 / ndf 9037 / 93
p0 80.11 ± 0.06011
140
130
120
110
100
90
80
70

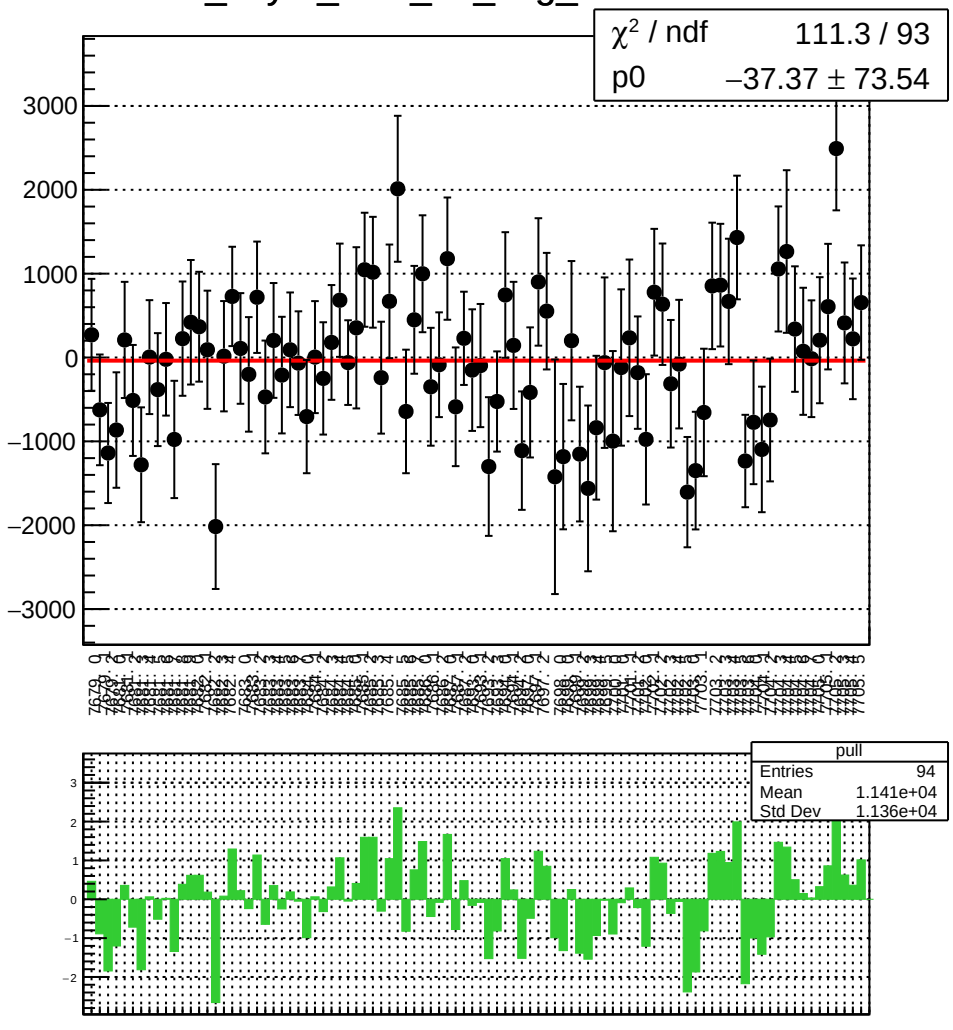

asym_sam8_correction_mean vs run
χ² / ndf 83.52 / 93
p0 54.16 ± 938.2
pull
Entries 94
Mean −174.2
Std Dev 226.8

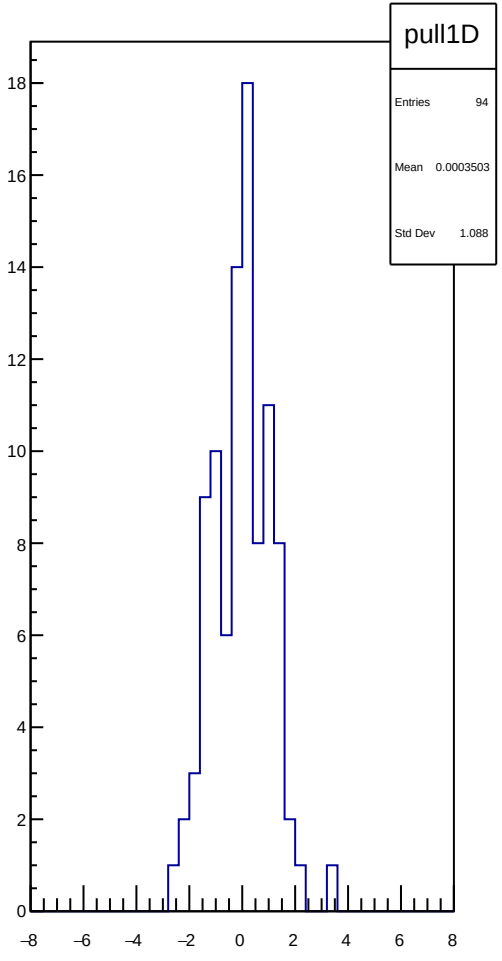

pull1D
Entries 94
Mean 0.02342
Std Dev 0.9423

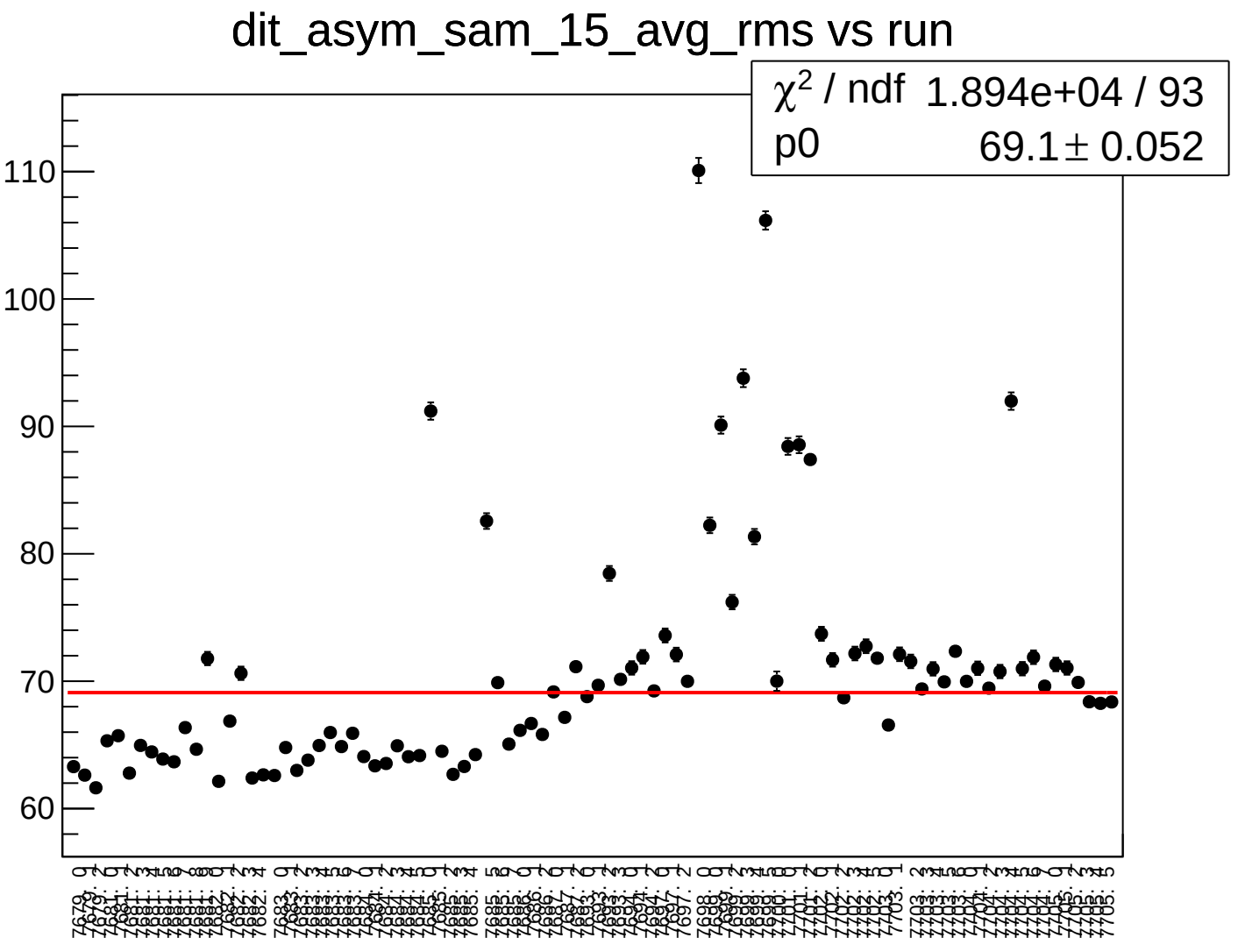

asym_sam8_correction_rms vs run
χ² / ndf 4.292e+04 / 93
p0 875.6 ± 0.6634
1200
1100
1000
900
800
700

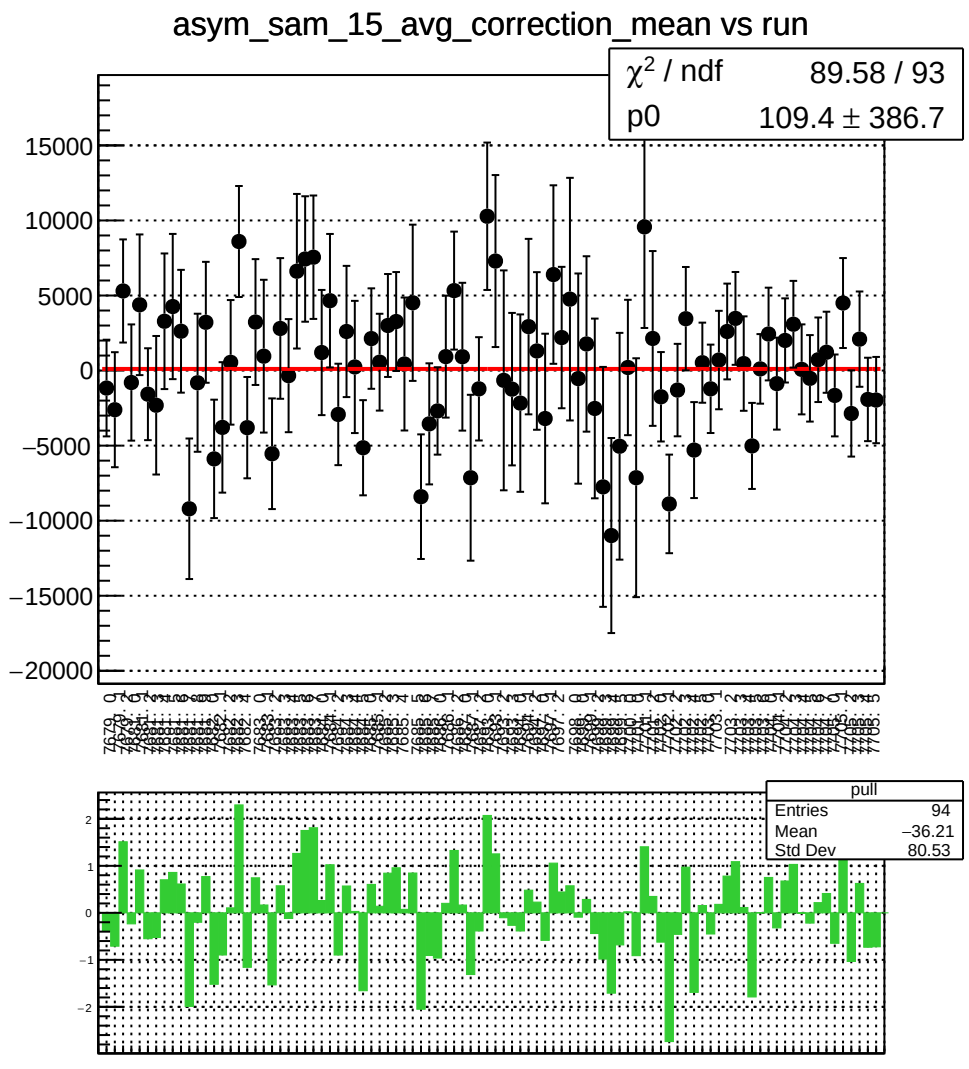

asym_sam8_mean vs run
χ² / ndf 82.67 / 93
p0 −15.04 ± 935.5
pull
Entries 94
Mean −197.9
Std Dev 250.2
pull1D
Entries 94
Mean −0.02232
Std Dev 0.9375

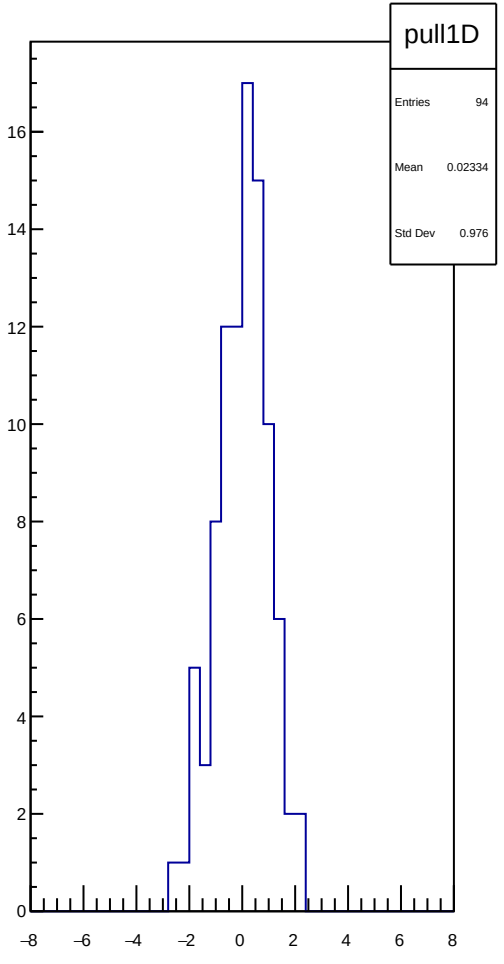

asym_sam8_rms vs run
χ² / ndf 4.128e+04 / 93
p0 873.5 ± 0.6615
1200
1100
1000
900
800
700
600

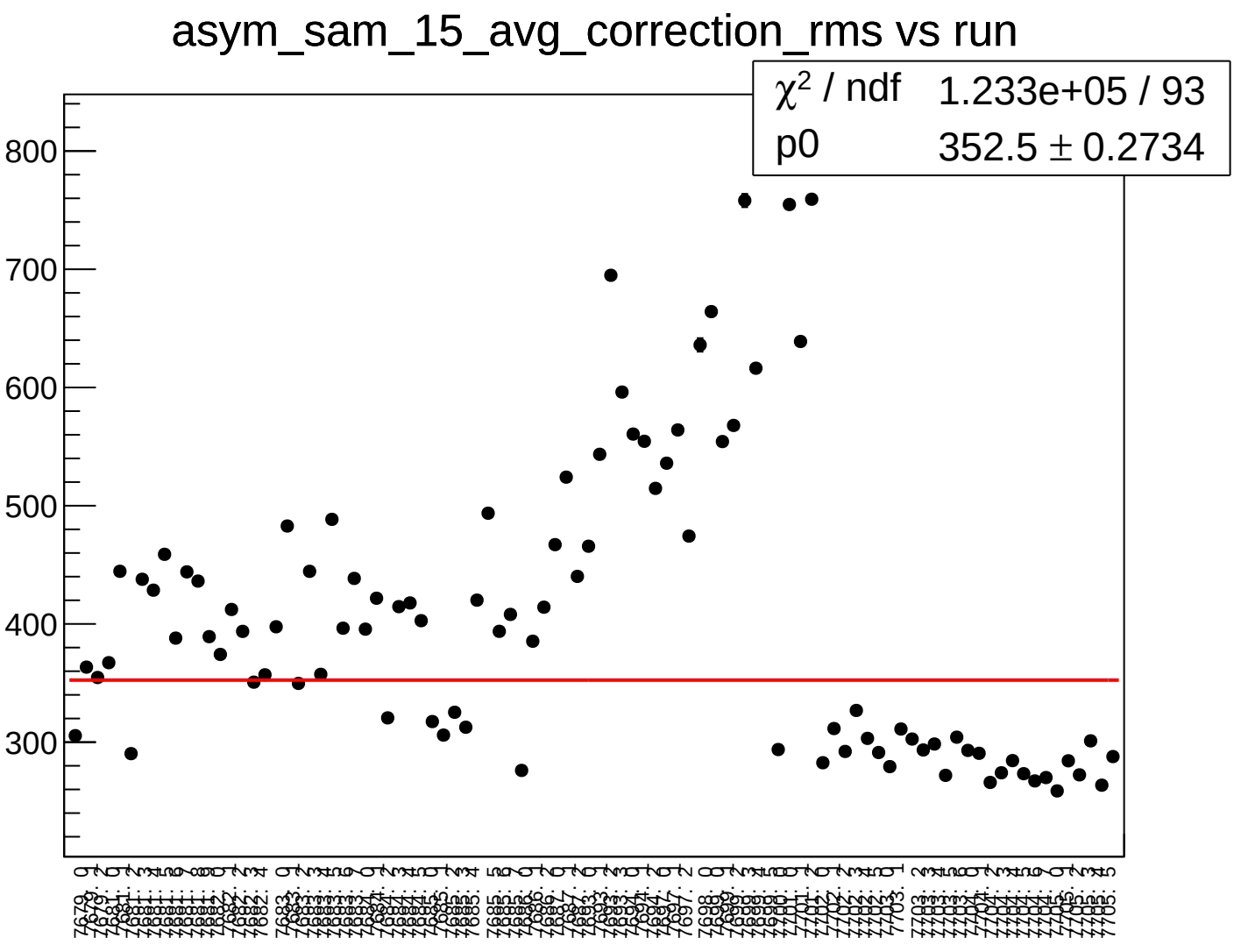

dit_asym_sam_15_avg_mean vs run
χ² / ndf 111.3 / 93
p0 −37.37 ± 73.54
pull
Entries 94
Mean 1.141e+04
Std Dev 1.136e+04

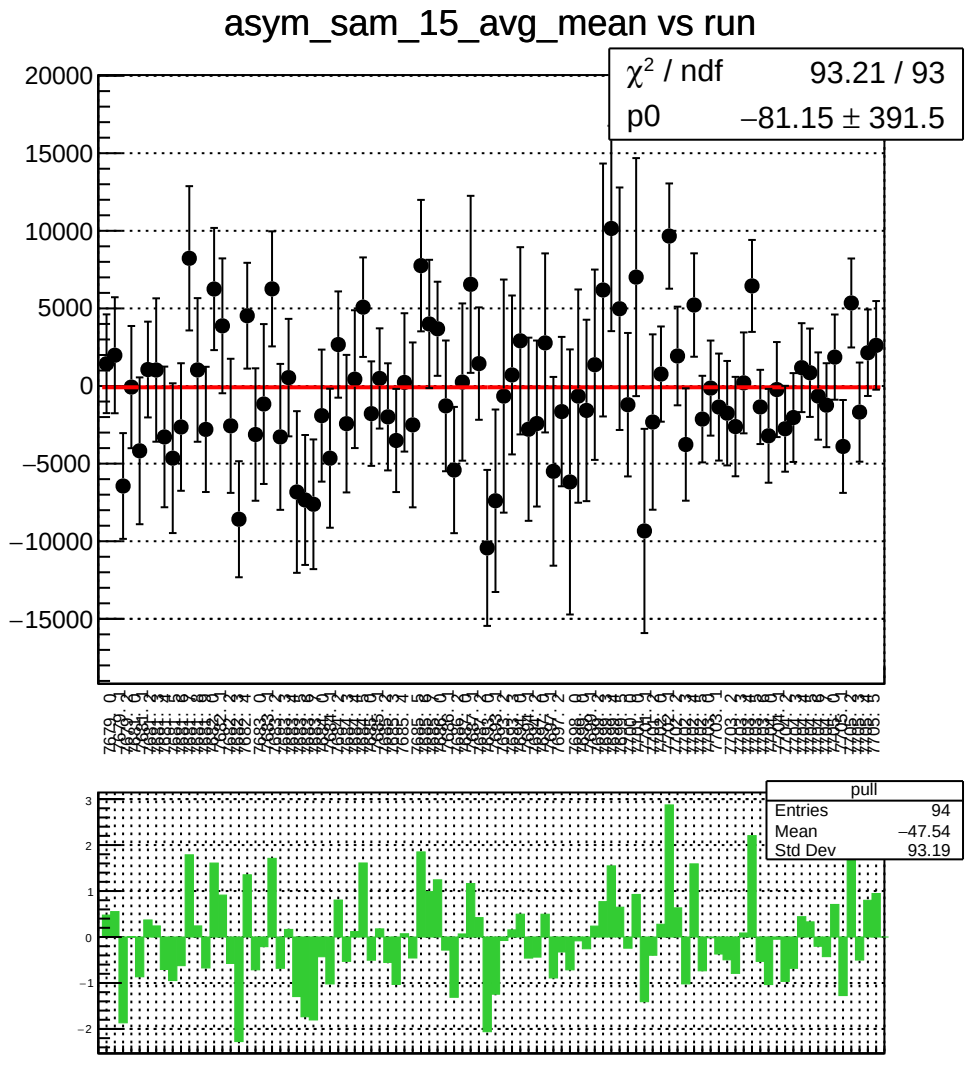

pull1D
Entries 94
Mean 0.0003503
Std Dev 1.088

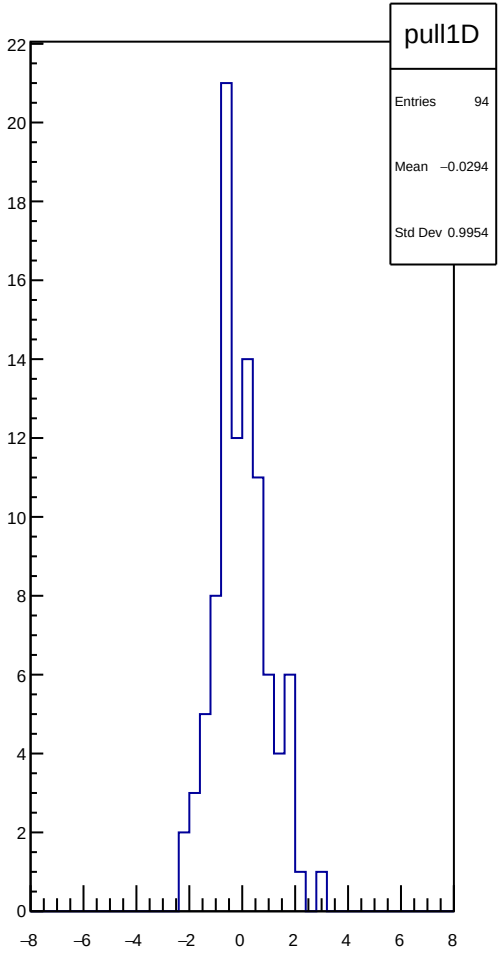

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.894e+04 / 93
p0 69.1 ± 0.052
110
100
90
80
70
60

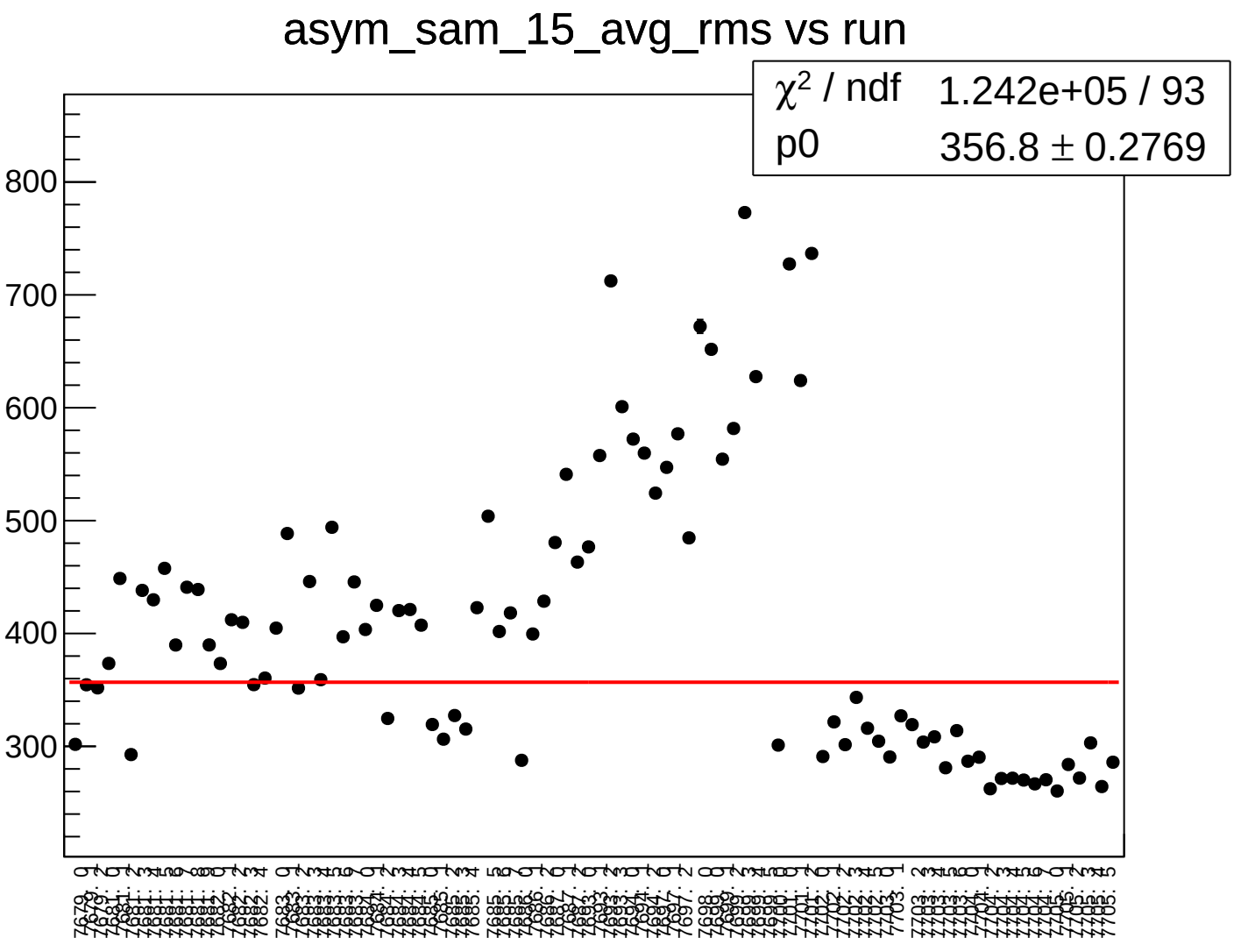

asym_sam_15_avg_correction_mean vs run
χ² / ndf 89.58 / 93
p0 109.4 ± 386.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 94
Mean −36.21
Std Dev 80.53
2
1
0
−1
−2

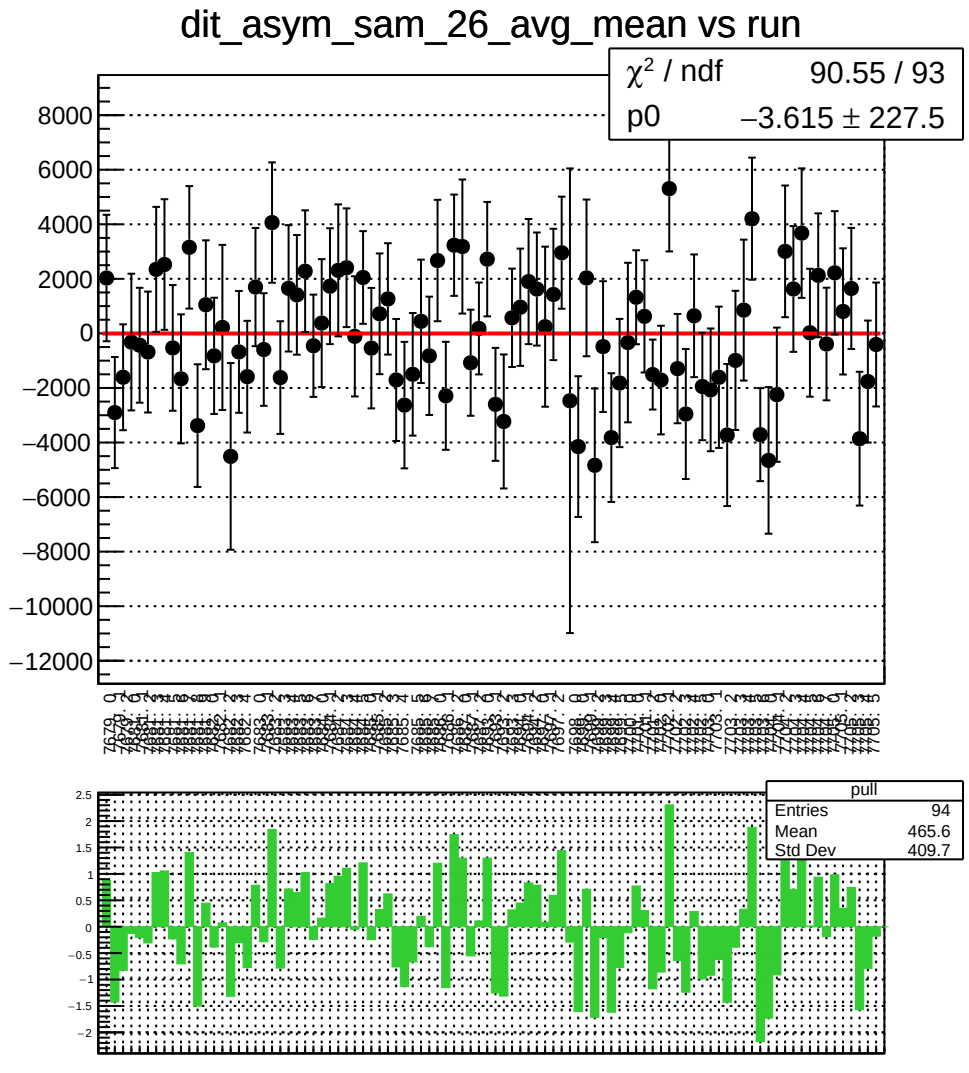

pull1D
Entries 94
Mean 0.02334
Std Dev 0.976
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

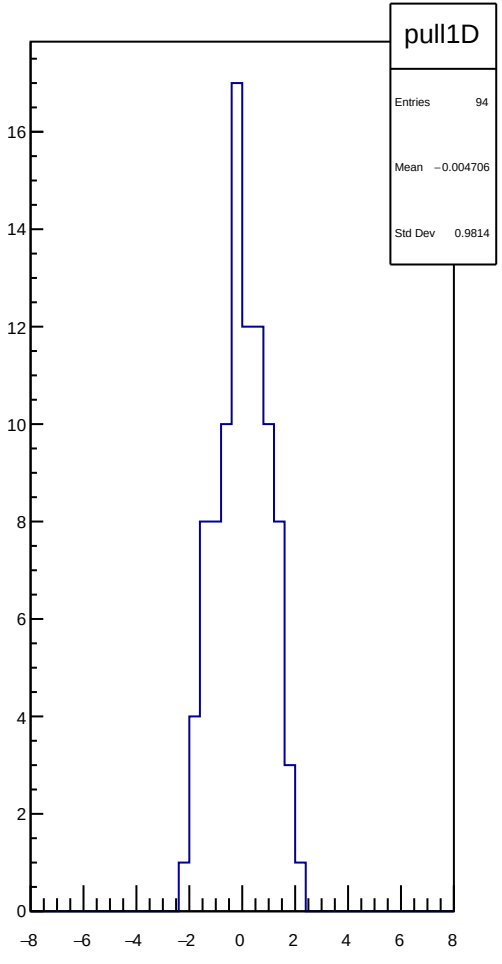

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 1.233e+05 / 93
p0 352.5 ± 0.2734
800
700
600
500
400
300

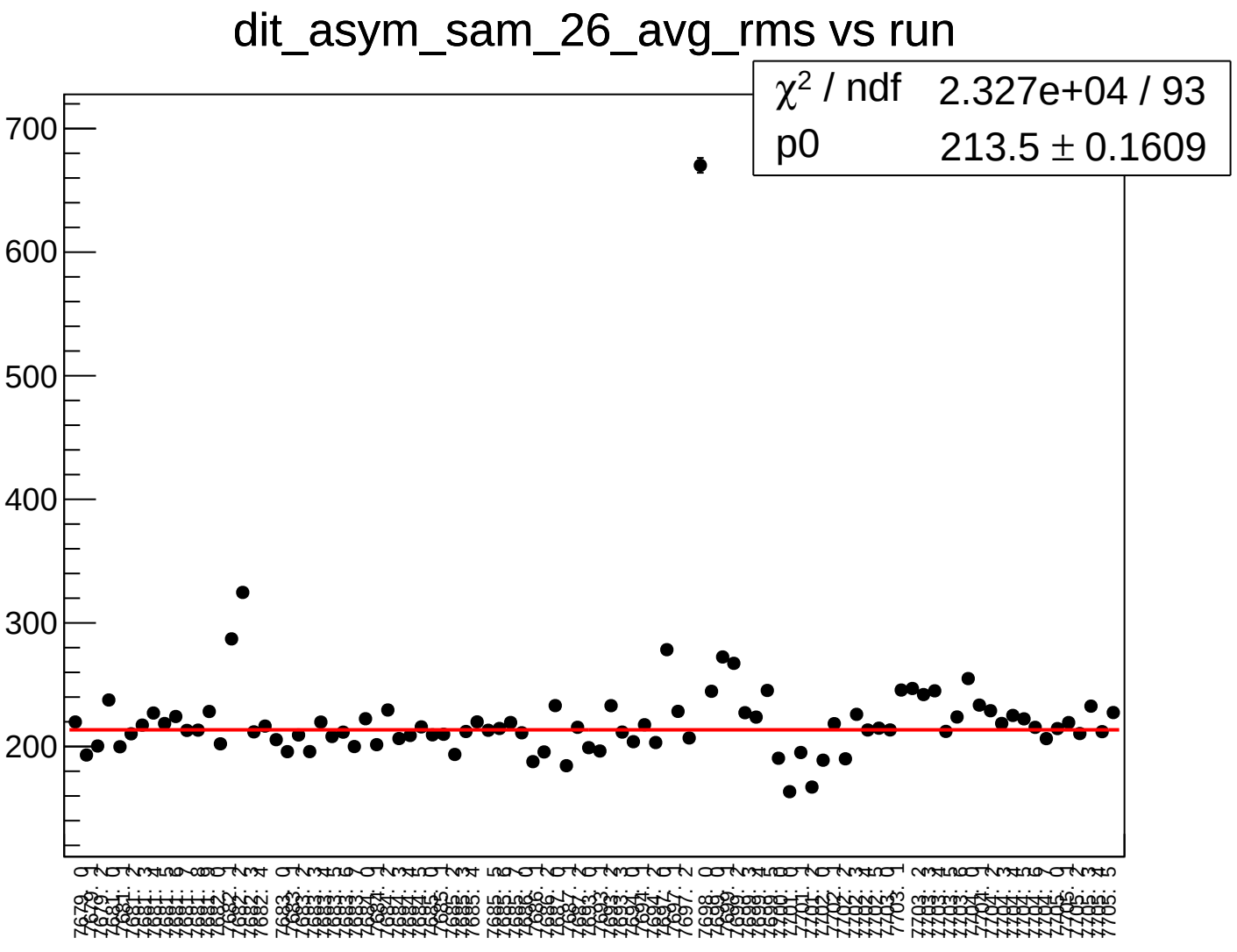

asym_sam_15_avg_mean vs run
χ² / ndf 93.21 / 93
p0 −81.15 ± 391.5
pull
Entries 94
Mean −47.54
Std Dev 93.19

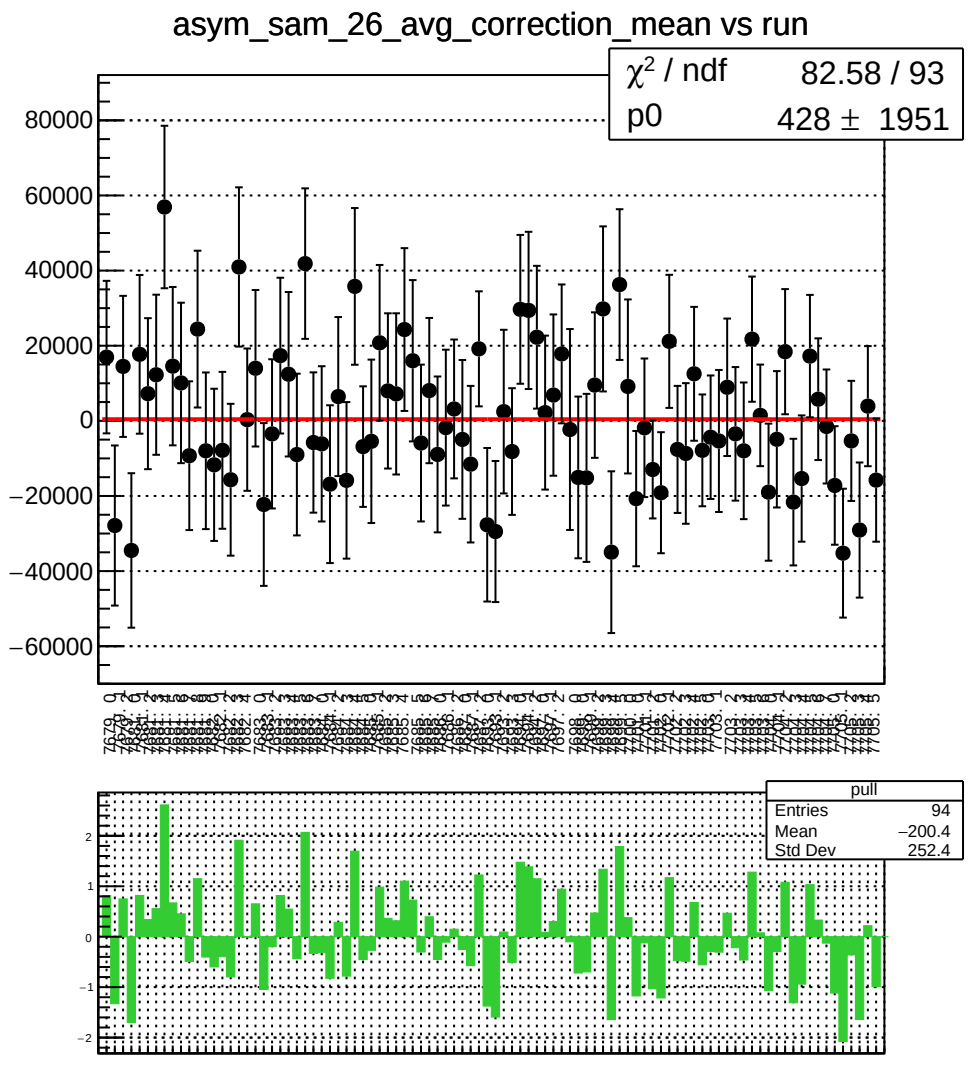

pull1D
Entries 94
Mean −0.0294
Std Dev 0.9954

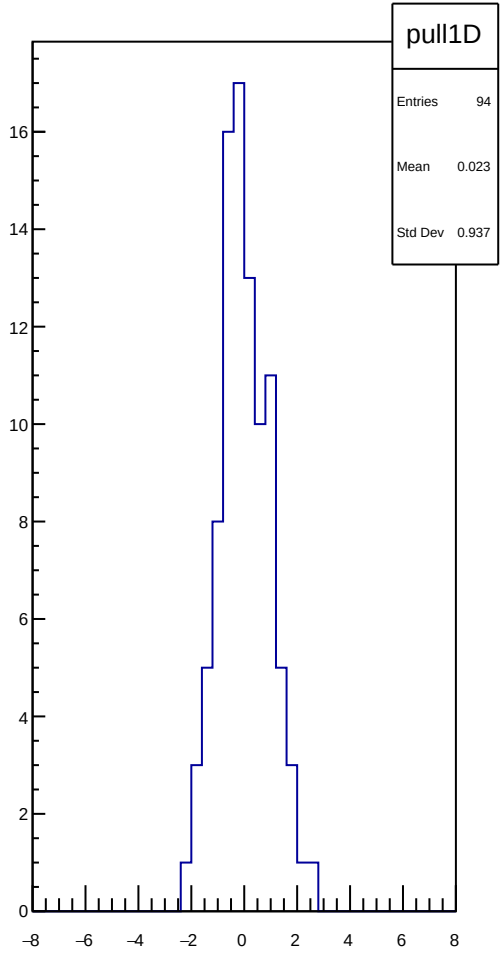

asym_sam_15_avg_rms vs run
χ² / ndf 1.242e+05 / 93
p0 356.8 ± 0.2769
800
700
600
500
400
300

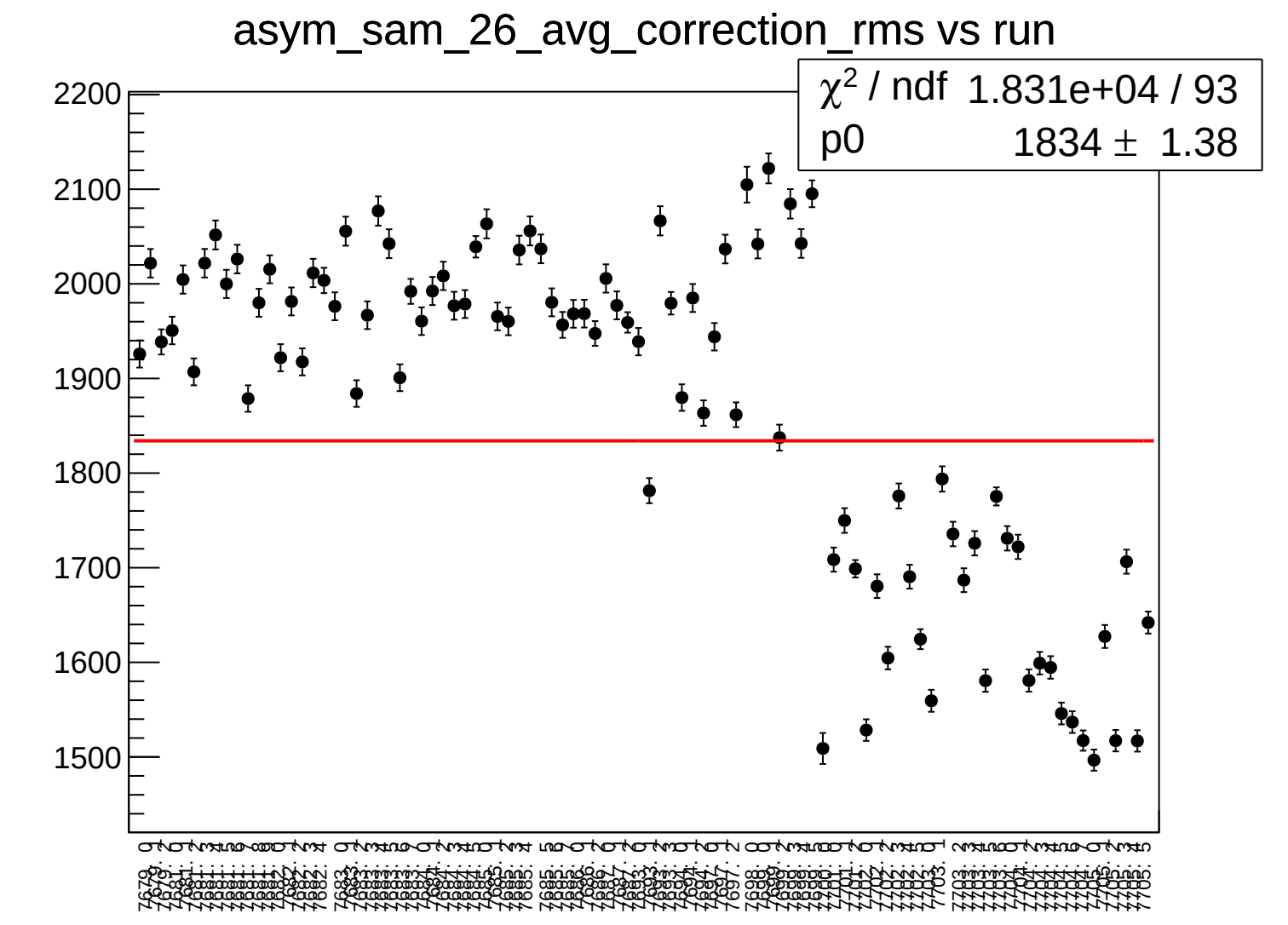

dit_asym_sam_26_avg_mean vs run
χ² / ndf 90.55 / 93
p0 −3.615 ± 227.5
pull
Entries 94
Mean 465.6
Std Dev 409.7

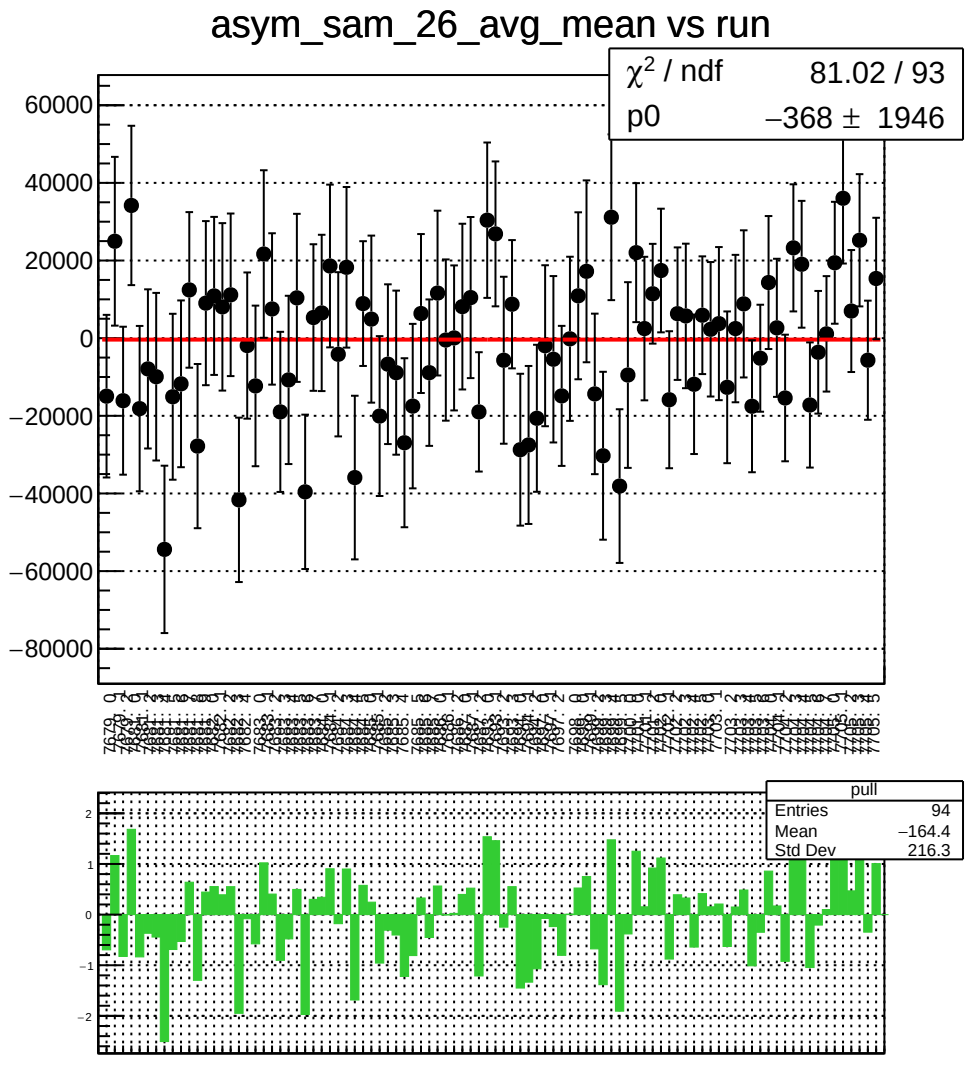

pull1D
Entries 94
Mean −0.004706
Std Dev 0.9814

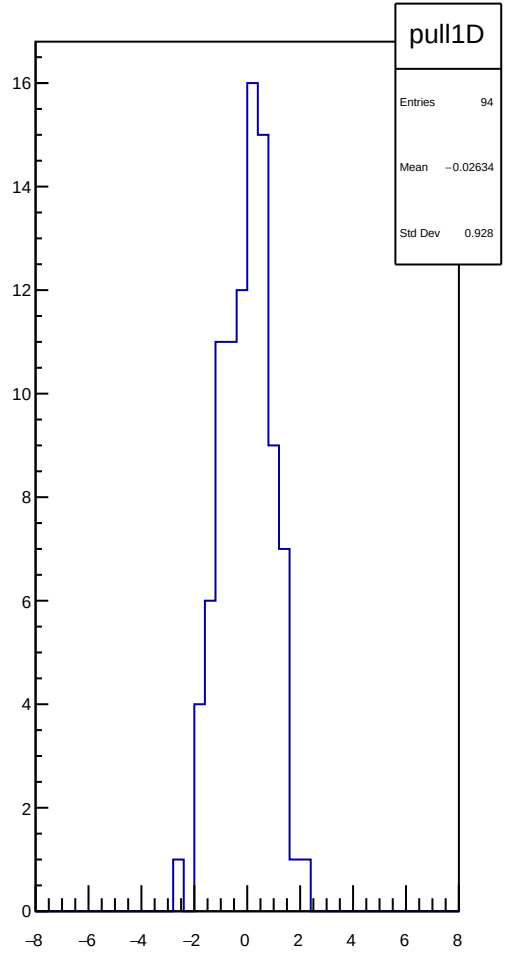

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 2.327e+04 / 93
p0 213.5 ± 0.1609
700
600
500
400
300
200

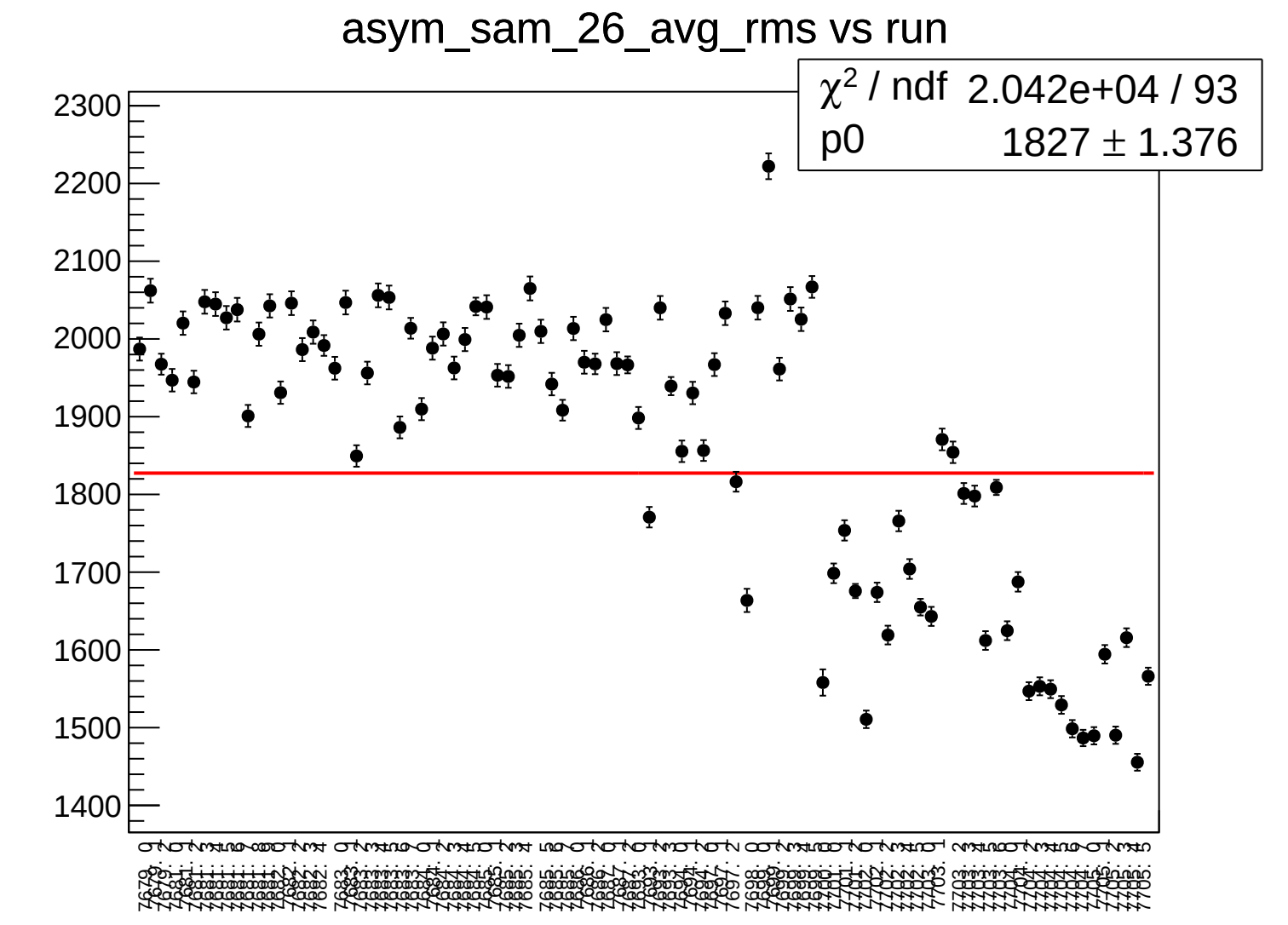

asym_sam_26_avg_correction_mean vs run
χ² / ndf 82.58 / 93
p0 428 ± 1951
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean −200.4
Std Dev 252.4
2
1
0
−1
−2

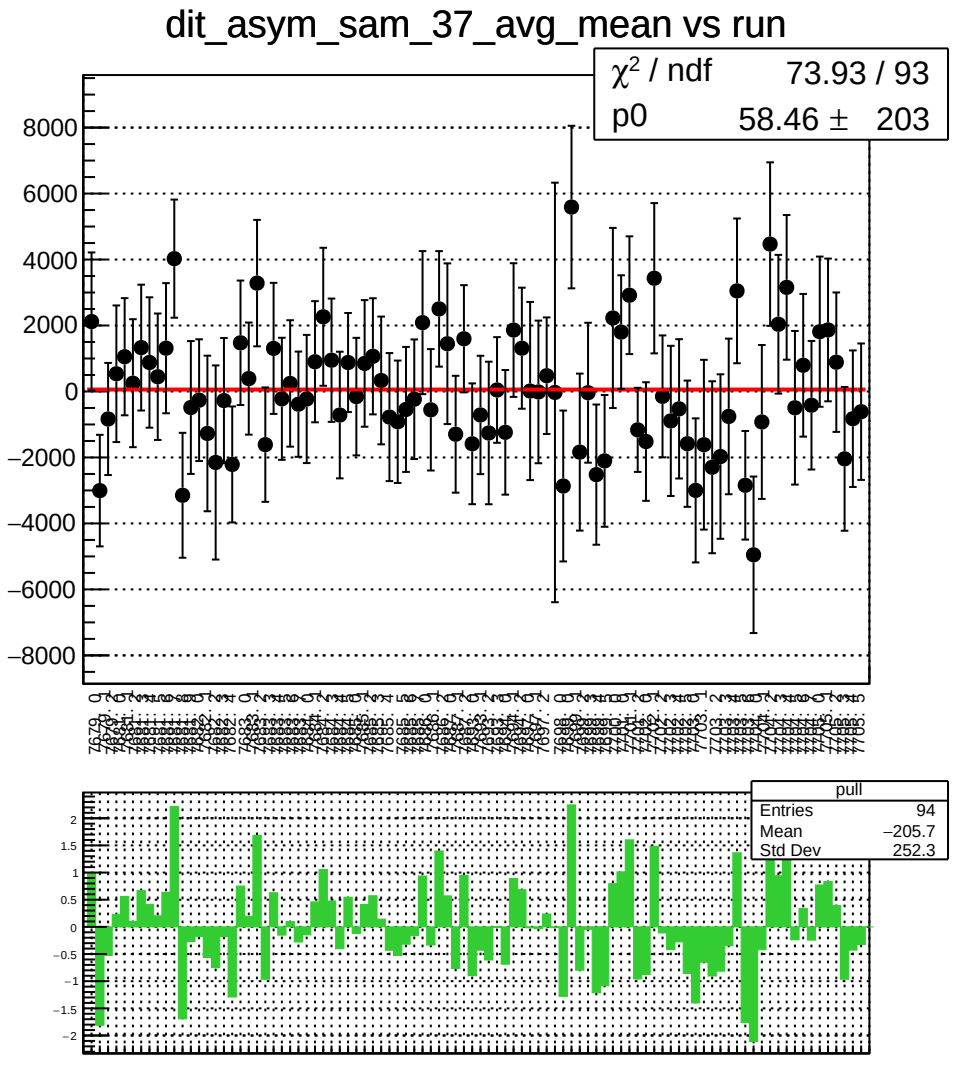

pull1D
Entries 94
Mean 0.023
Std Dev 0.937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

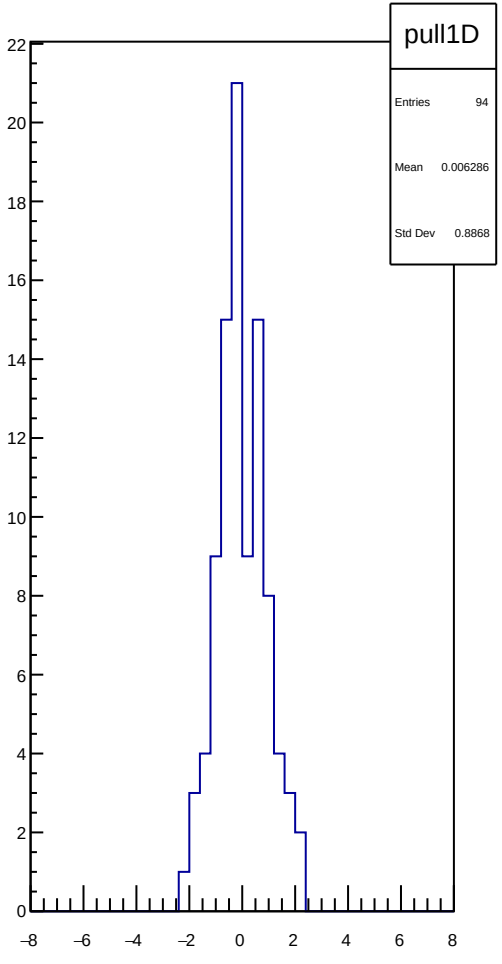

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 1.831e+04 / 93
p0 1834 ± 1.38
2200
2100
2000
1900
1800
1700
1600
1500

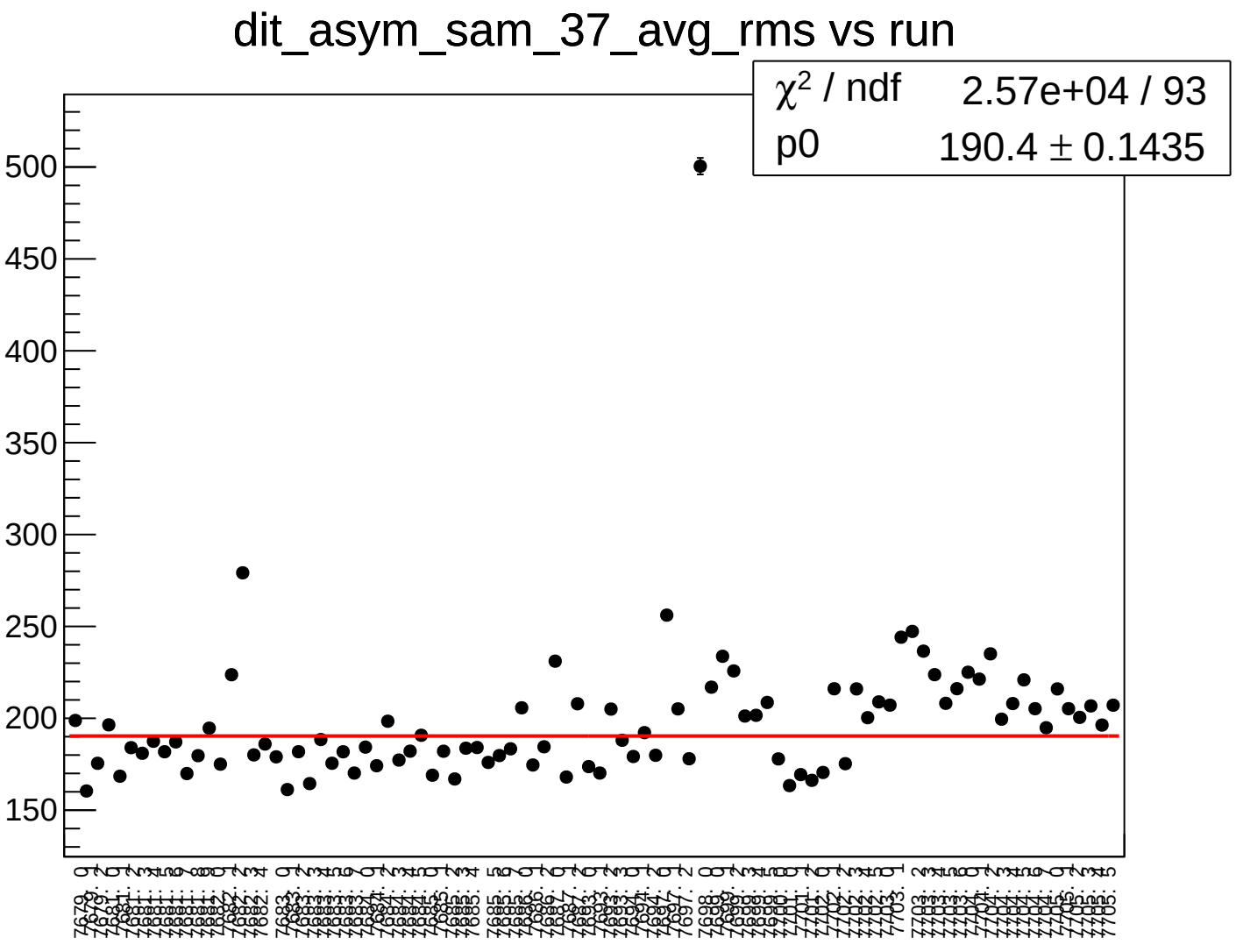

asym_sam_26_avg_mean vs run
χ² / ndf 81.02 / 93
p0 −368 ± 1946
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 94
Mean −164.4
Std Dev 216.3
2
1
0
−1
−2

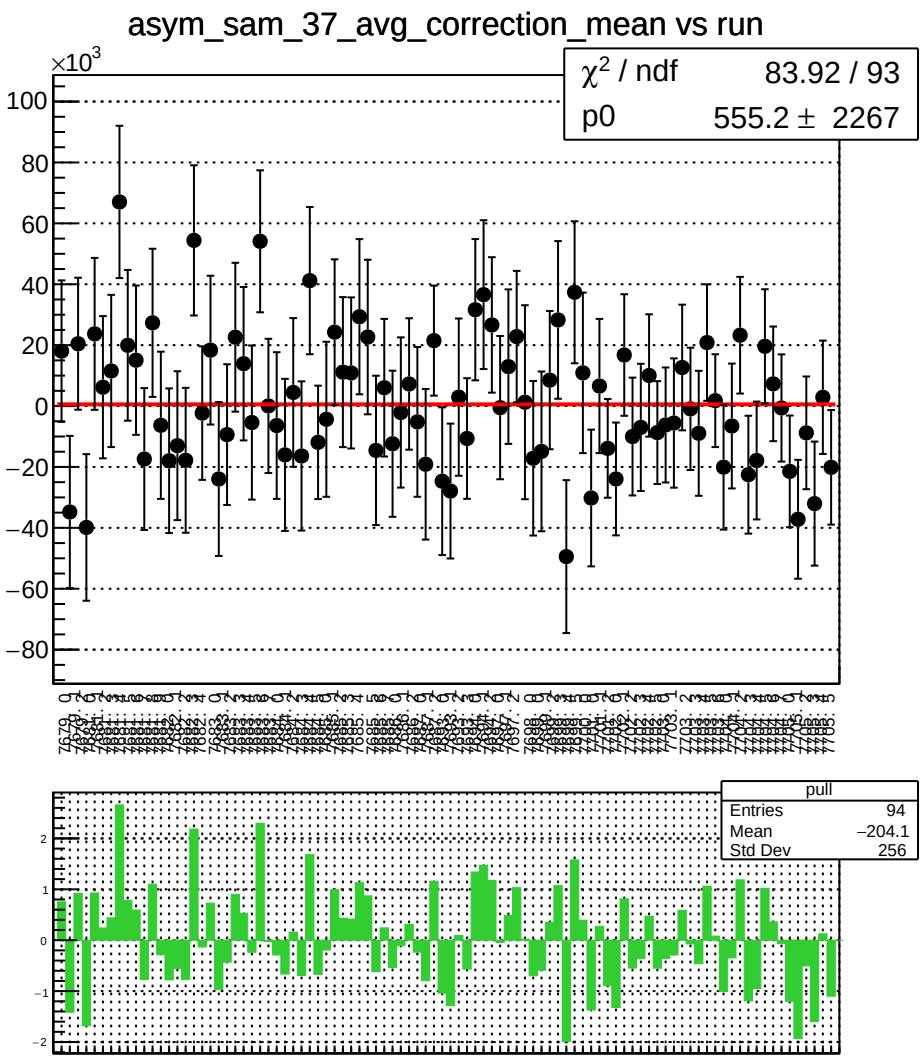

pull1D
Entries 94
Mean −0.02634
Std Dev 0.928
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

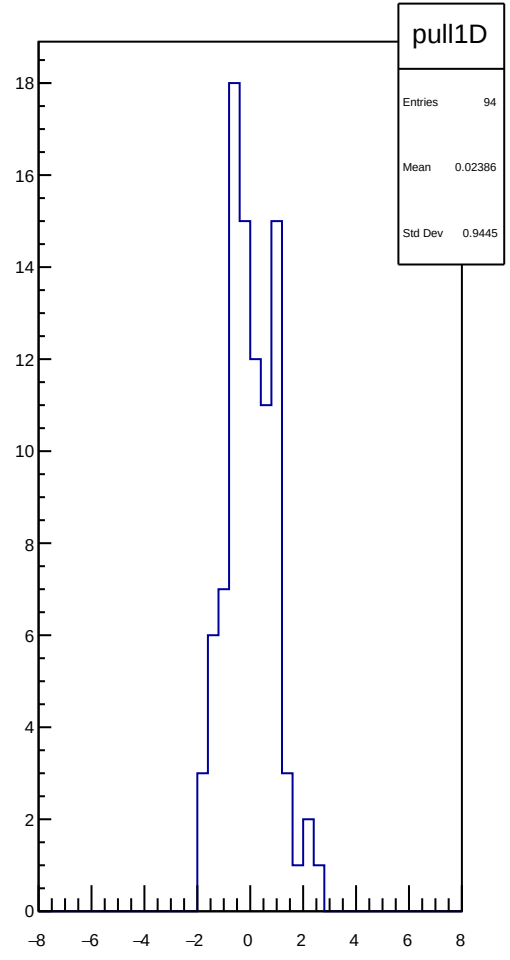

asym_sam_26_avg_rms vs run
χ^2 / ndf 2.042e+04 / 93
p0 1827 ± 1.376
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

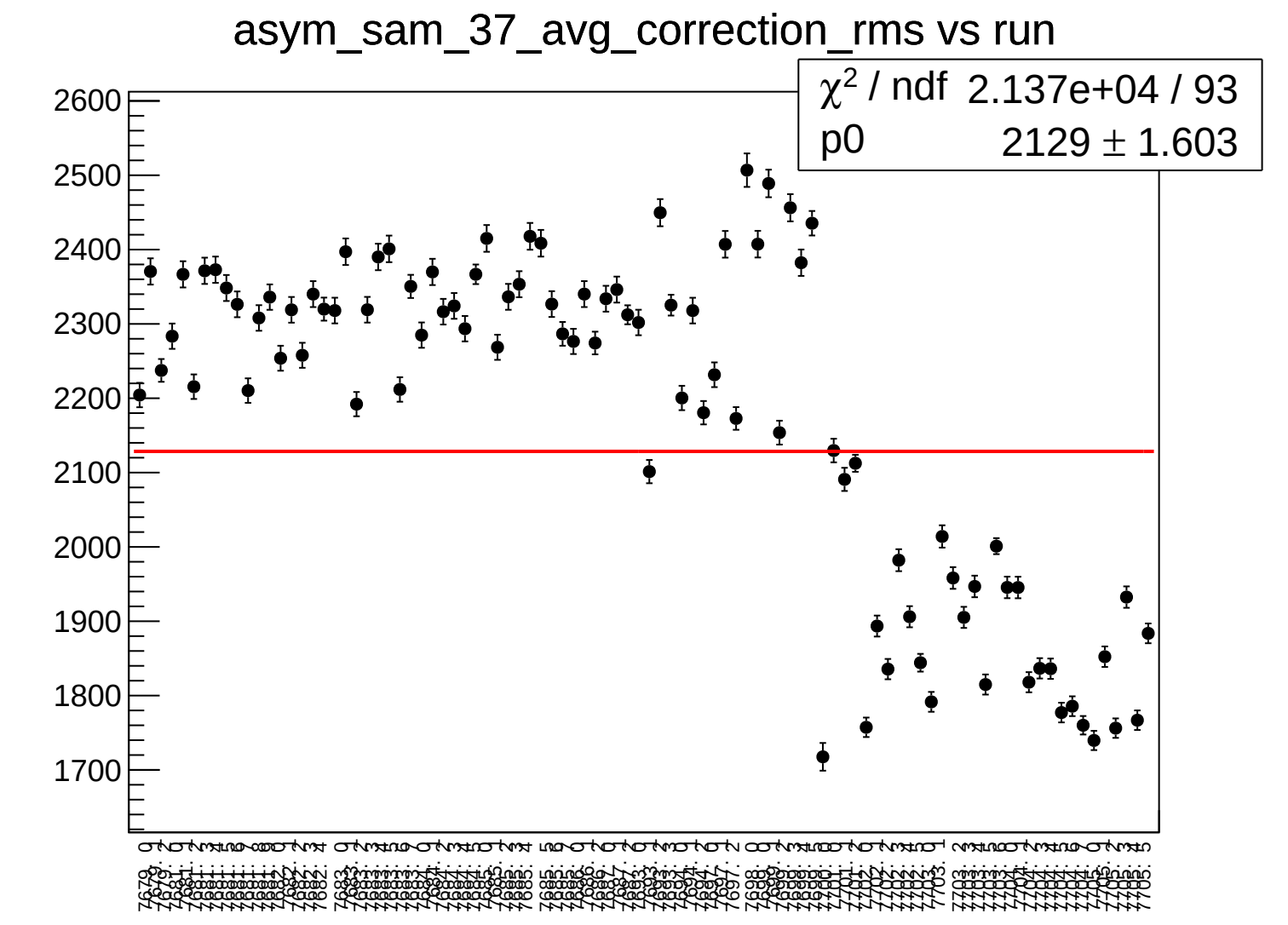

dit_asym_sam_37_avg_mean vs run
χ² / ndf 73.93 / 93
p0 58.46 ± 203
pull
Entries 94
Mean −205.7
Std Dev 252.3

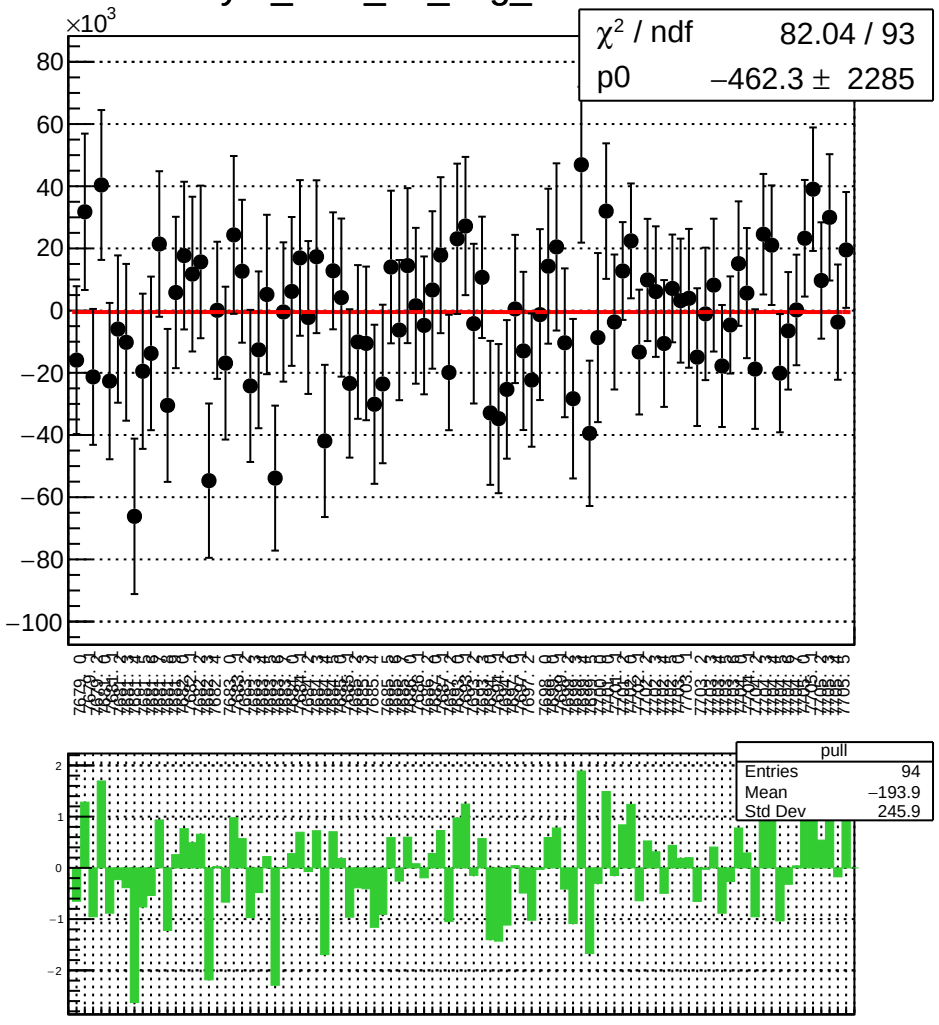

pull1D
Entries 94
Mean 0.006286
Std Dev 0.8868

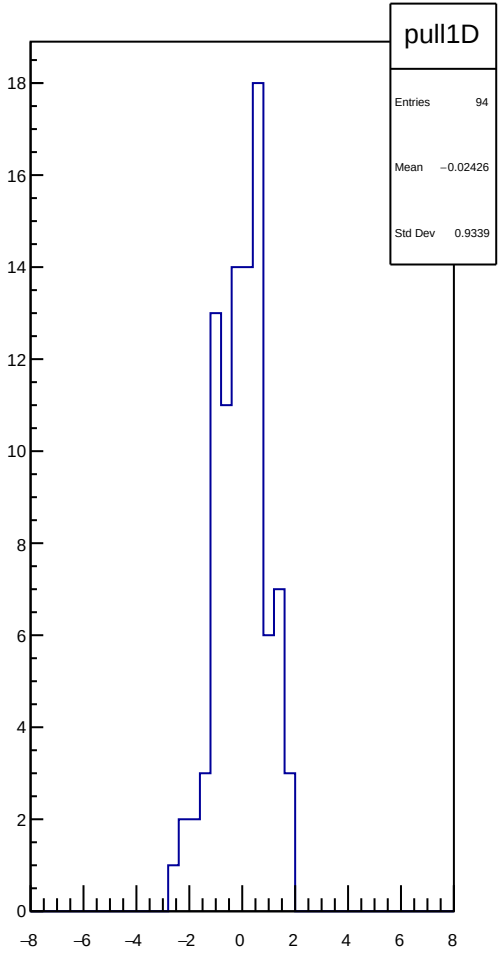

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.57e+04 / 93
p0 190.4 ± 0.1435
500
450
400
350
300
250
200
150

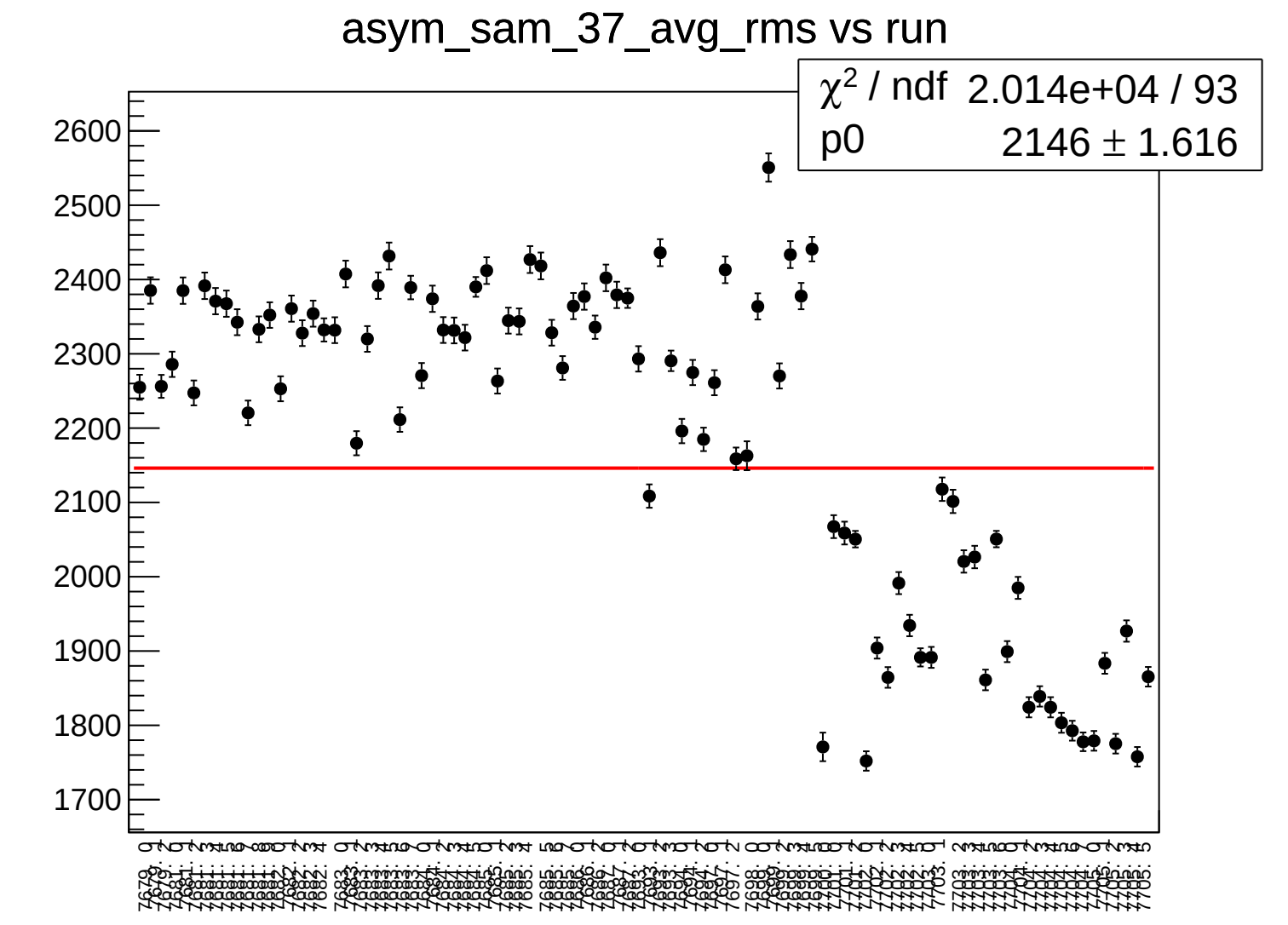

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 83.92 / 93
p0 555.2 ± 2267
pull
Entries 94
Mean −204.1
Std Dev 256

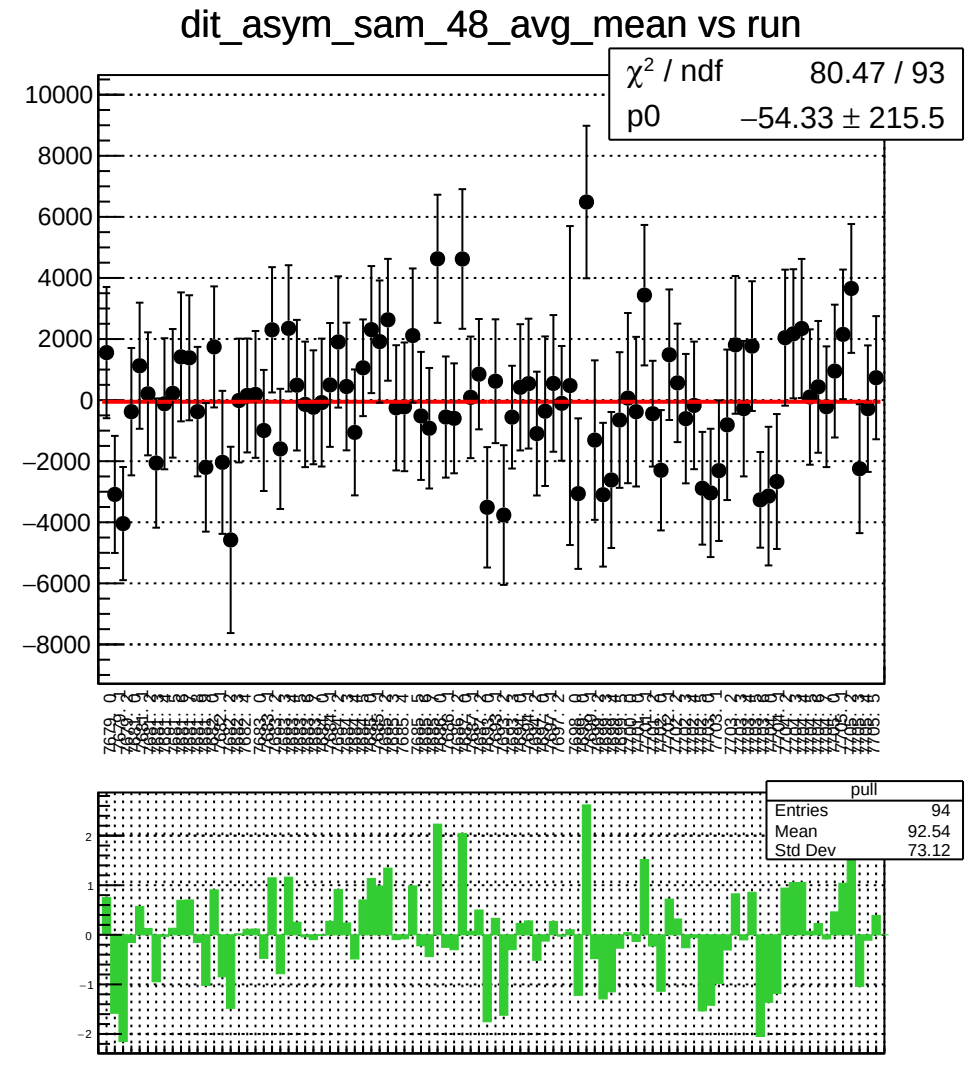

pull1D
Entries 94
Mean 0.02386
Std Dev 0.9445

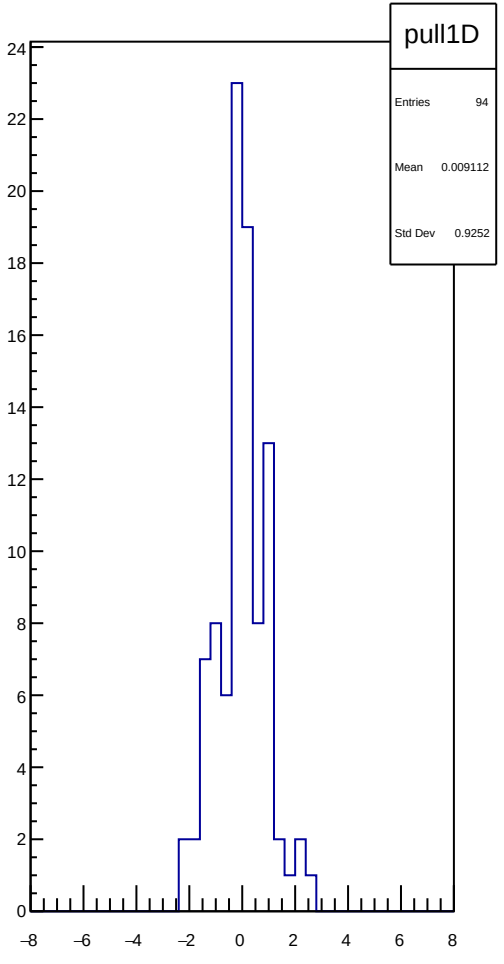

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2.137e+04 / 93
p0 2129 ± 1.603
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700

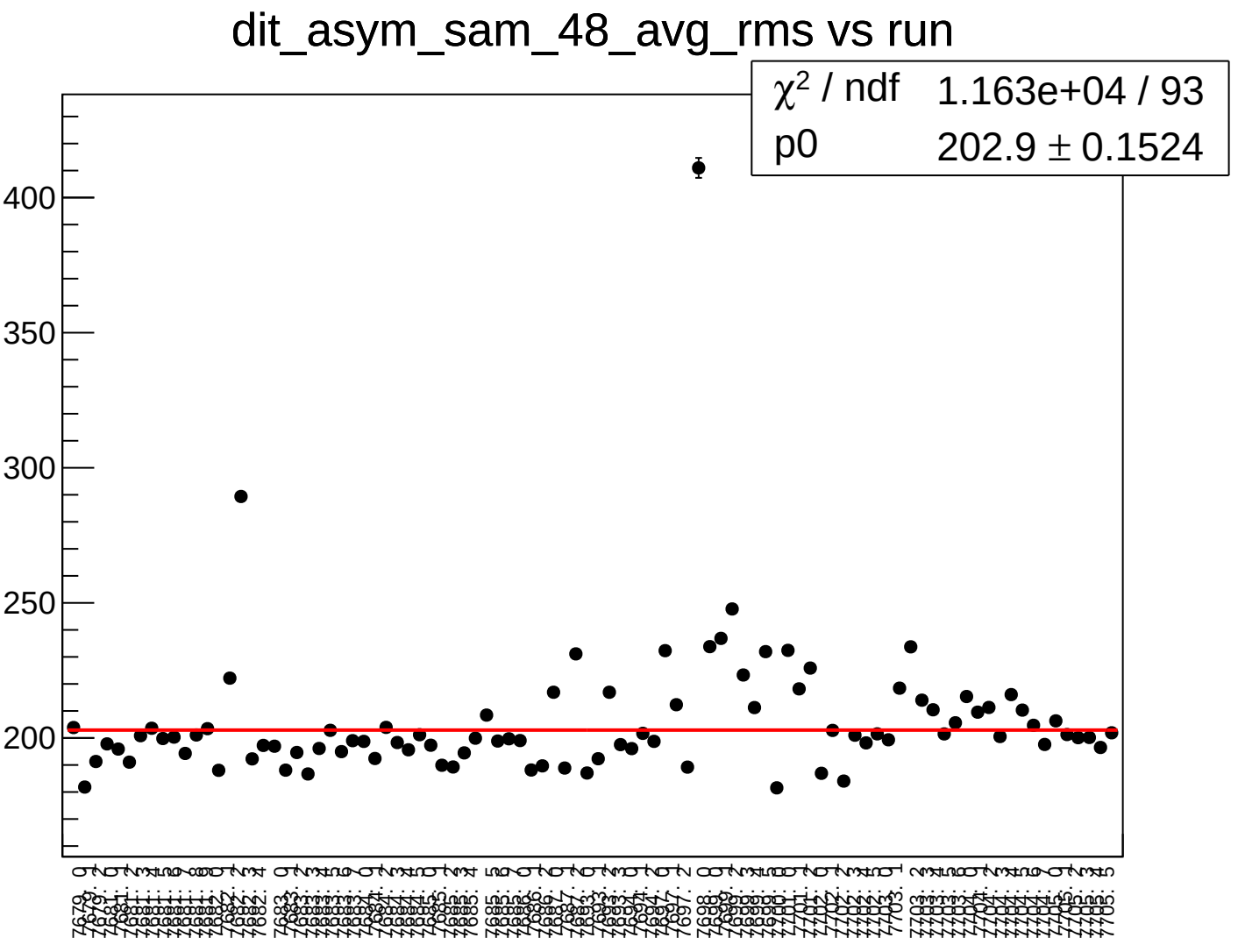

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 82.04 / 93
p0 −462.3 ± 2285
pull
Entries 94
Mean −193.9
Std Dev 245.9

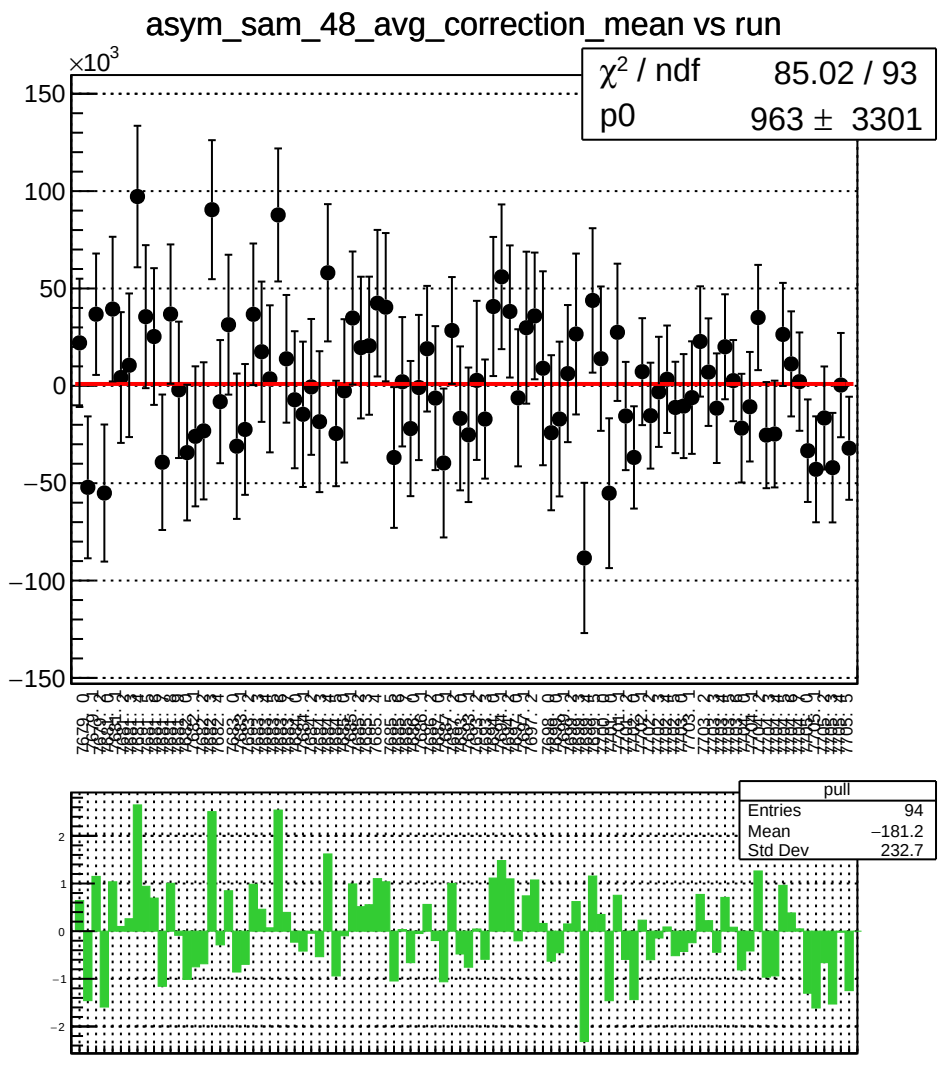

pull1D
Entries 94
Mean −0.02426
Std Dev 0.9339

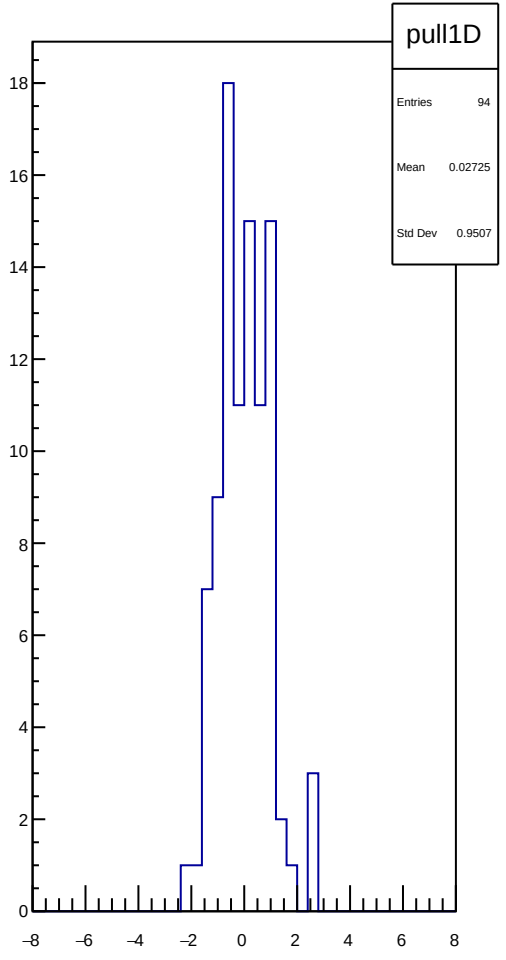

asym_sam_37_avg_rms vs run
χ² / ndf 2.014e+04 / 93
p0 2146 ± 1.616
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700

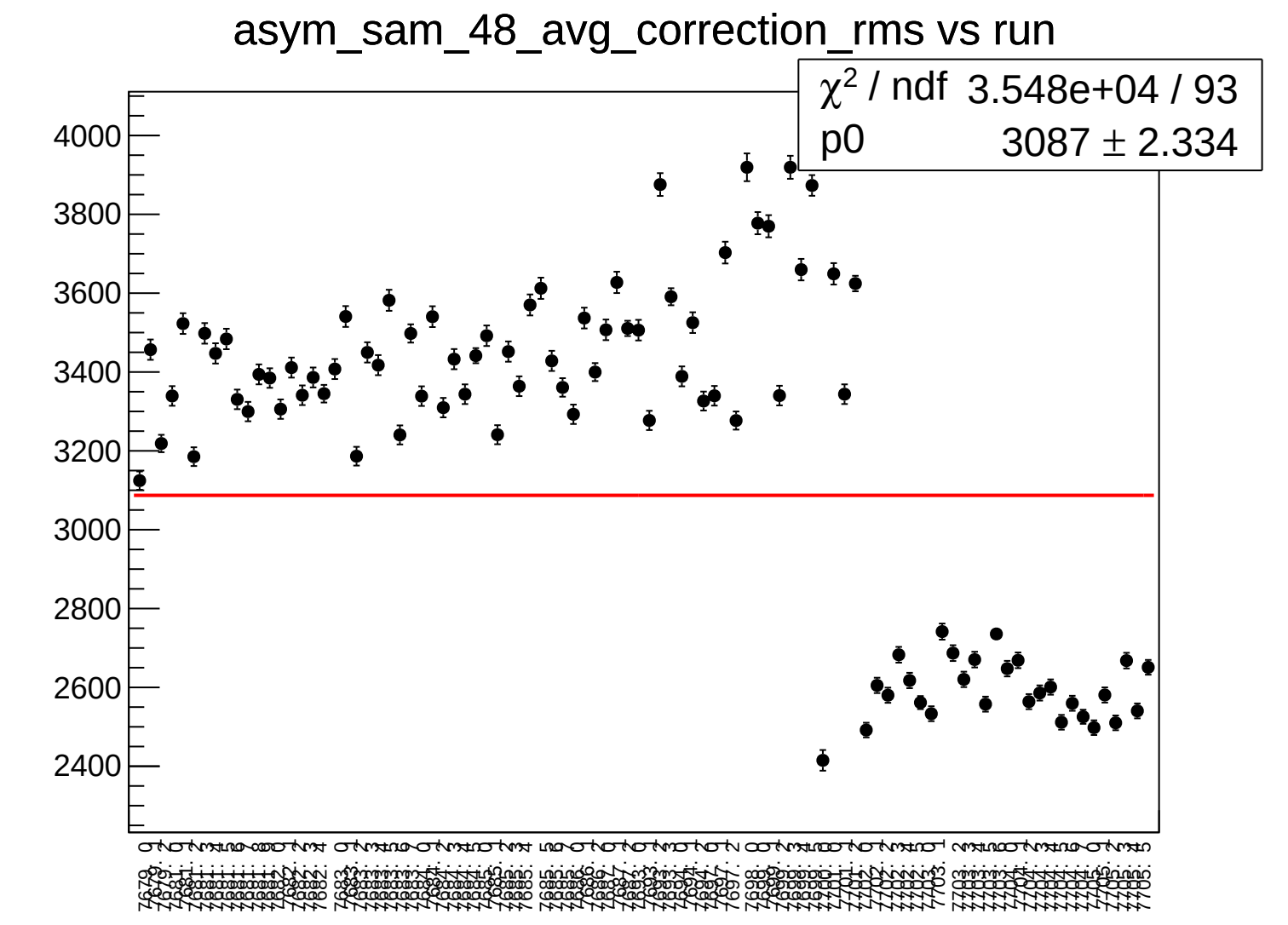

dit_asym_sam_48_avg_mean vs run
χ² / ndf 80.47 / 93
p0 −54.33 ± 215.5
pull
Entries 94
Mean 92.54
Std Dev 73.12

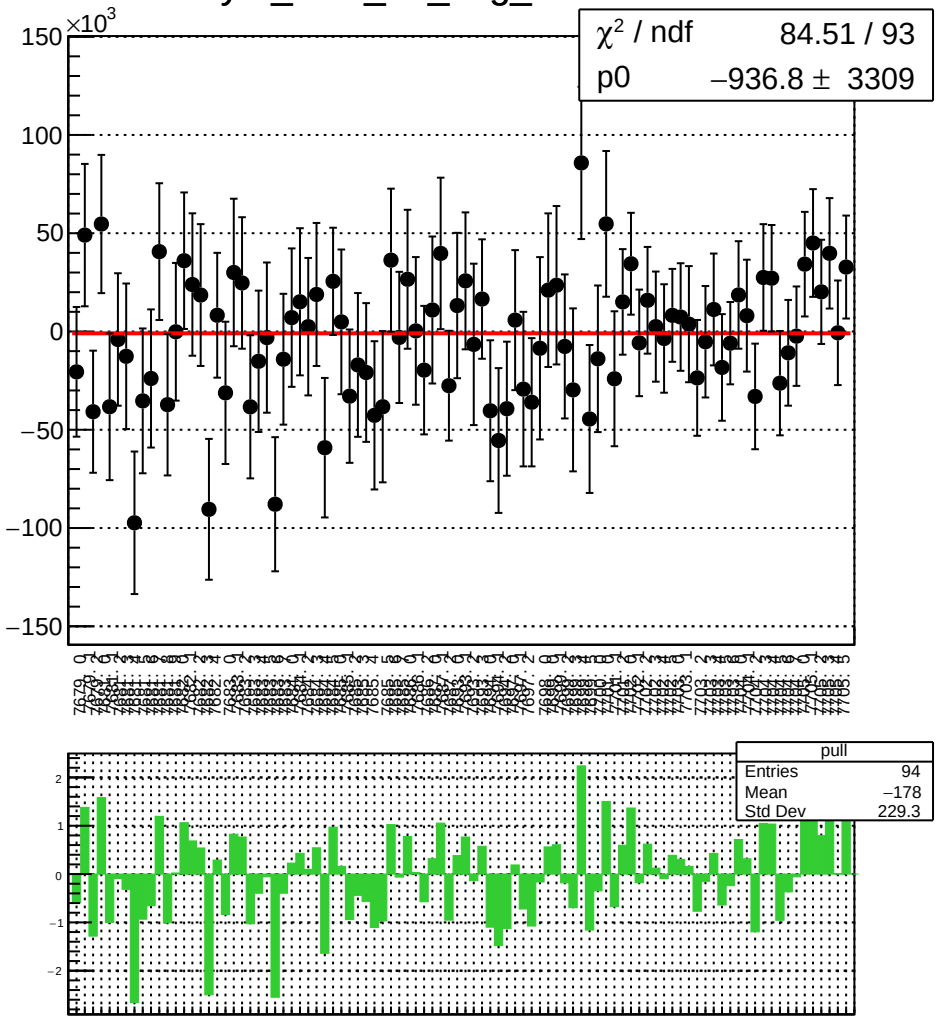

pull1D
Entries 94
Mean 0.009112
Std Dev 0.9252

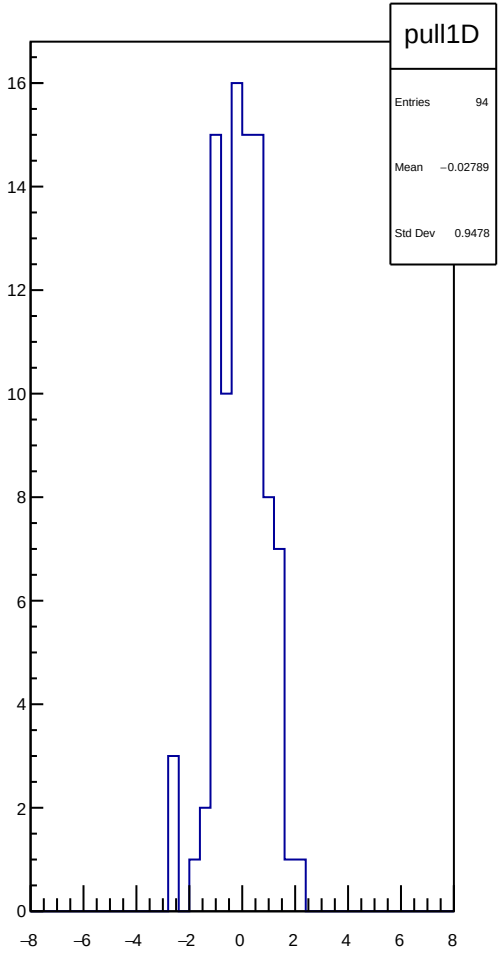

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.163e+04 / 93
p0 202.9 ± 0.1524
400
350
300
250
200

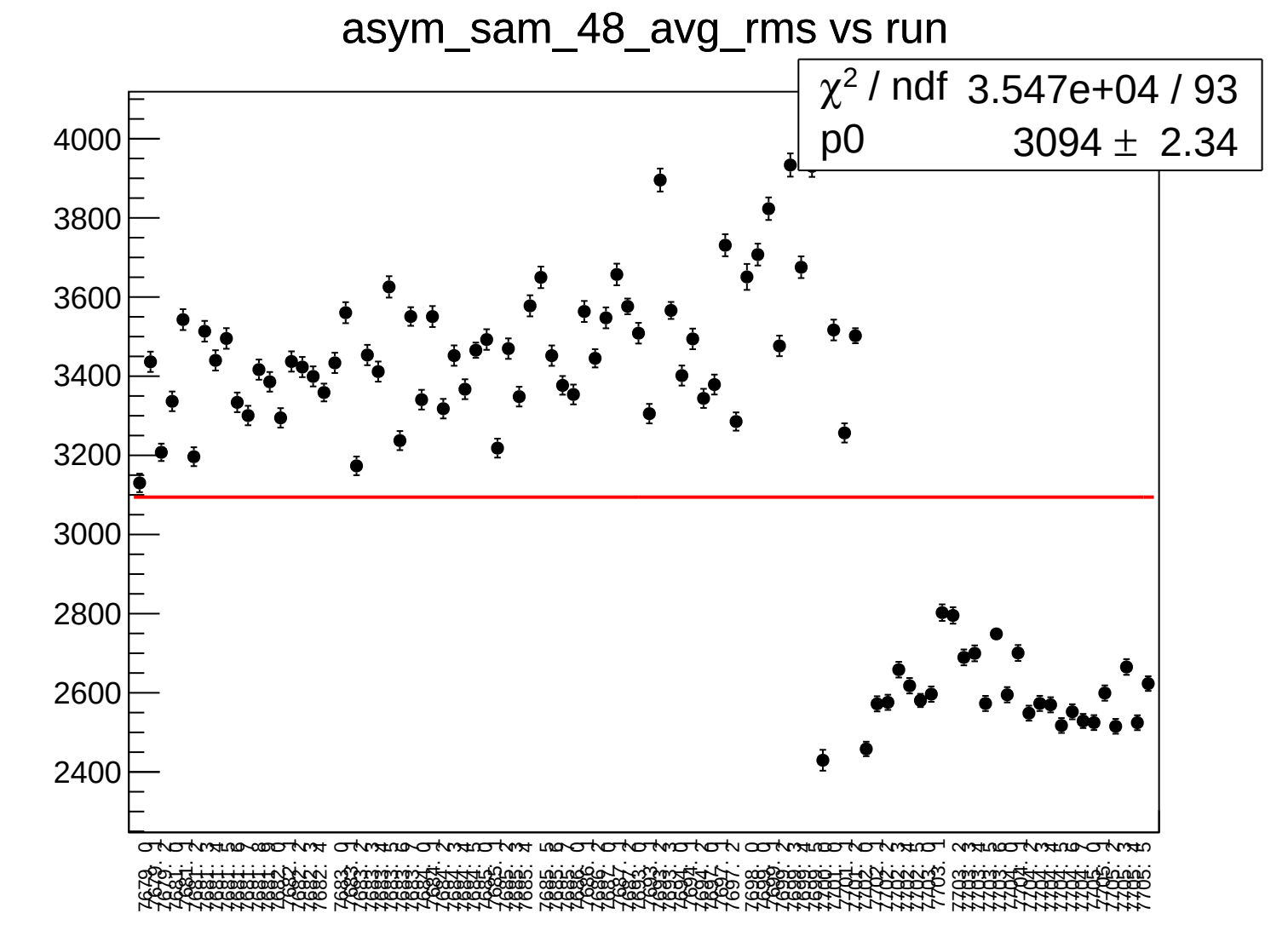

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 85.02 / 93
p0 963 ± 3301
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean −181.2
Std Dev 232.7
2
1
0
−1
−2

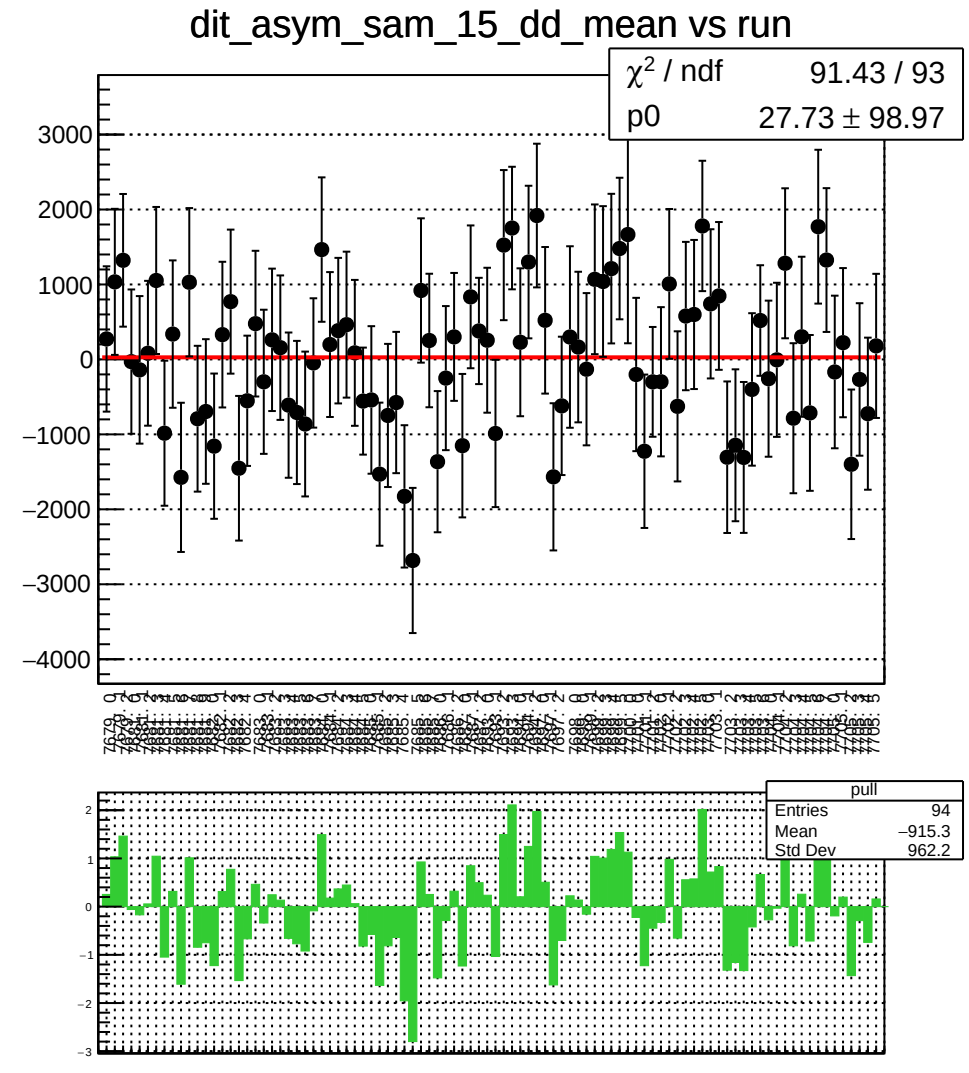

pull1D
Entries 94
Mean 0.02725
Std Dev 0.9507
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

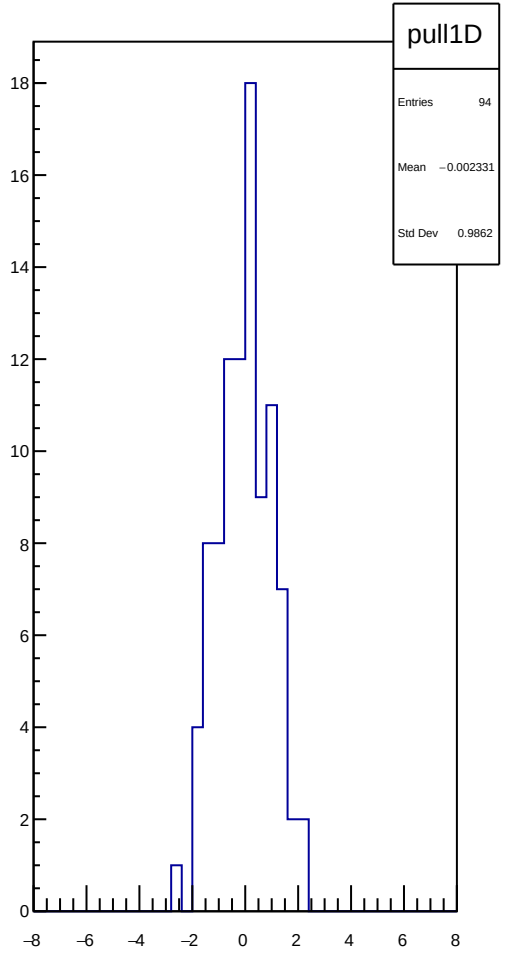

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 3.548e+04 / 93
p0 3087 ± 2.334
4000
3800
3600
3400
3200
3000
2800
2600
2400

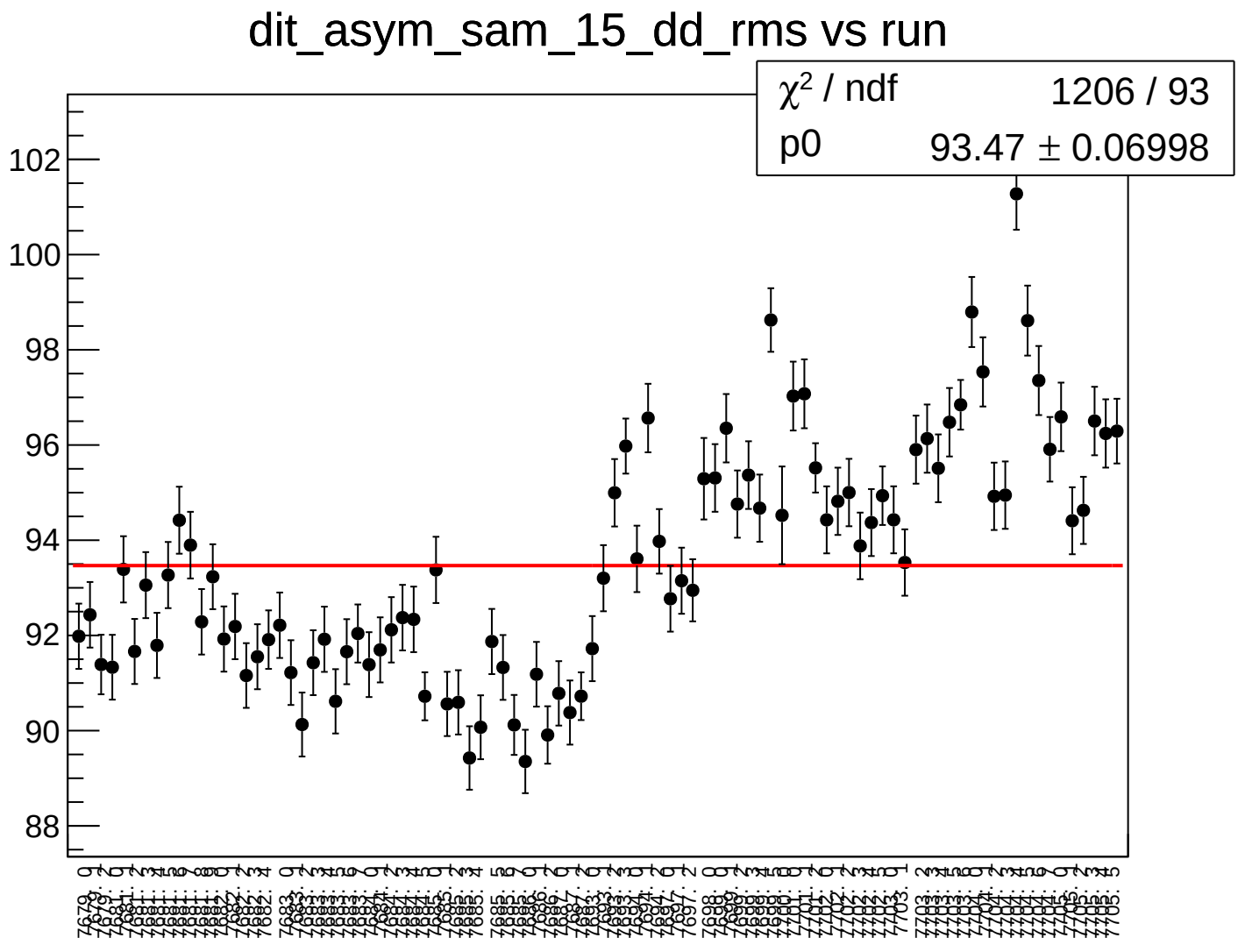

asym_sam_48_avg_mean vs run
χ² / ndf 84.51 / 93
p0 −936.8 ± 3309
×10³
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean −178
Std Dev 229.3
2
1
0
−1
−2

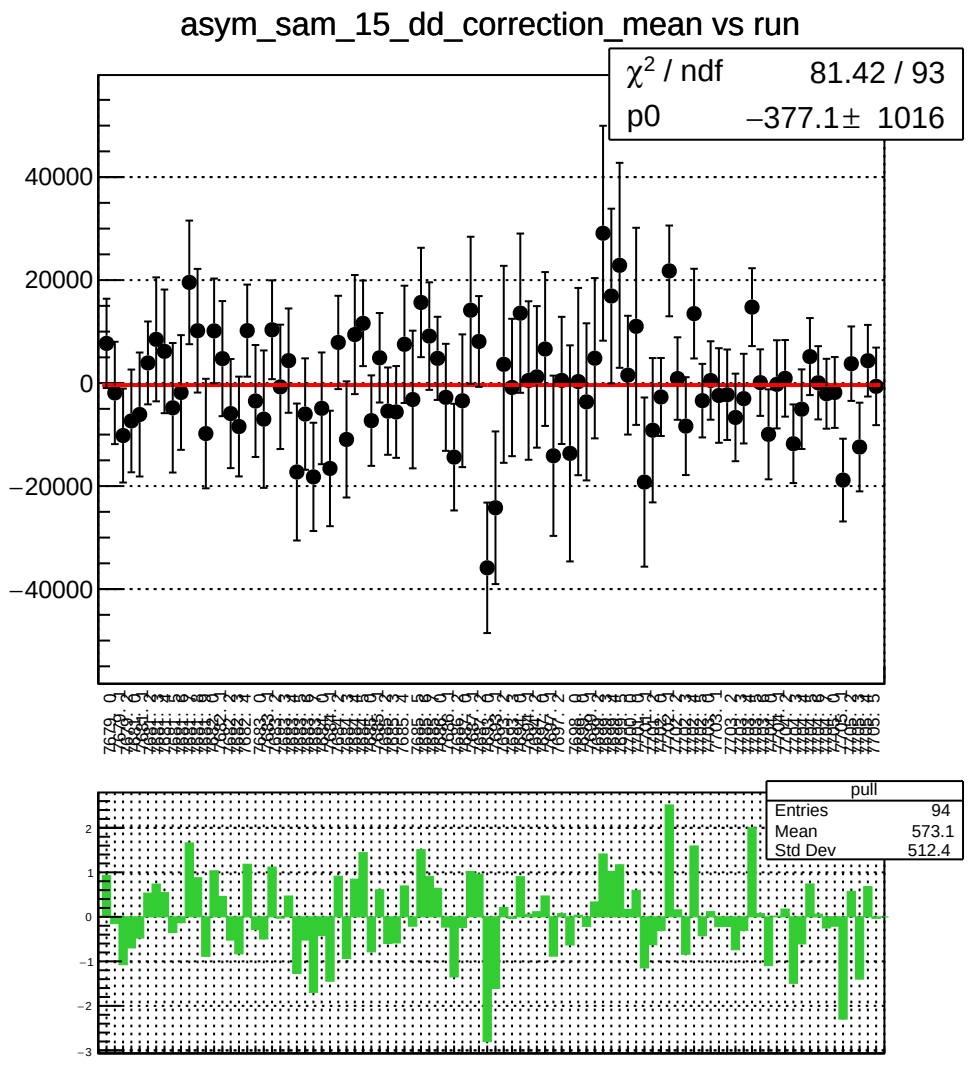

pull1D
Entries 94
Mean −0.02789
Std Dev 0.9478
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

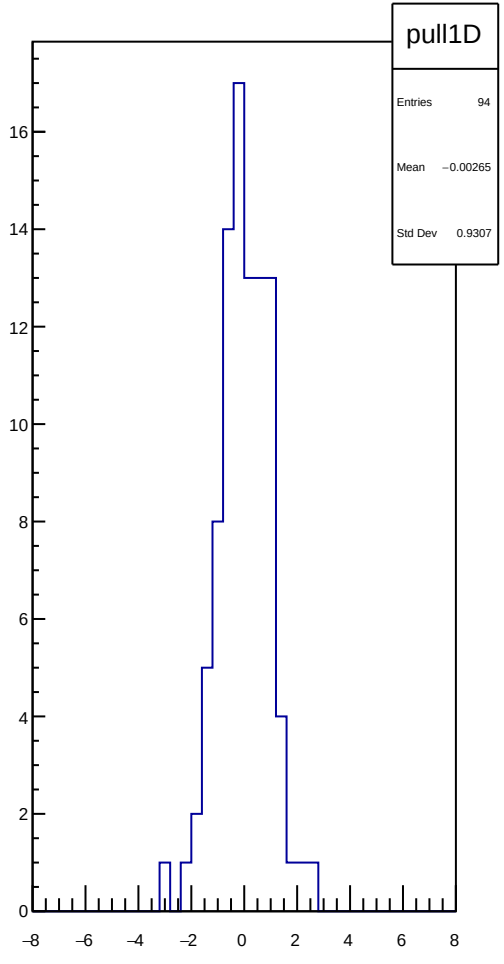

asym_sam_48_avg_rms vs run
χ² / ndf 3.547e+04 / 93
p0 3094 ± 2.34
4000
3800
3600
3400
3200
3000
2800
2600
2400

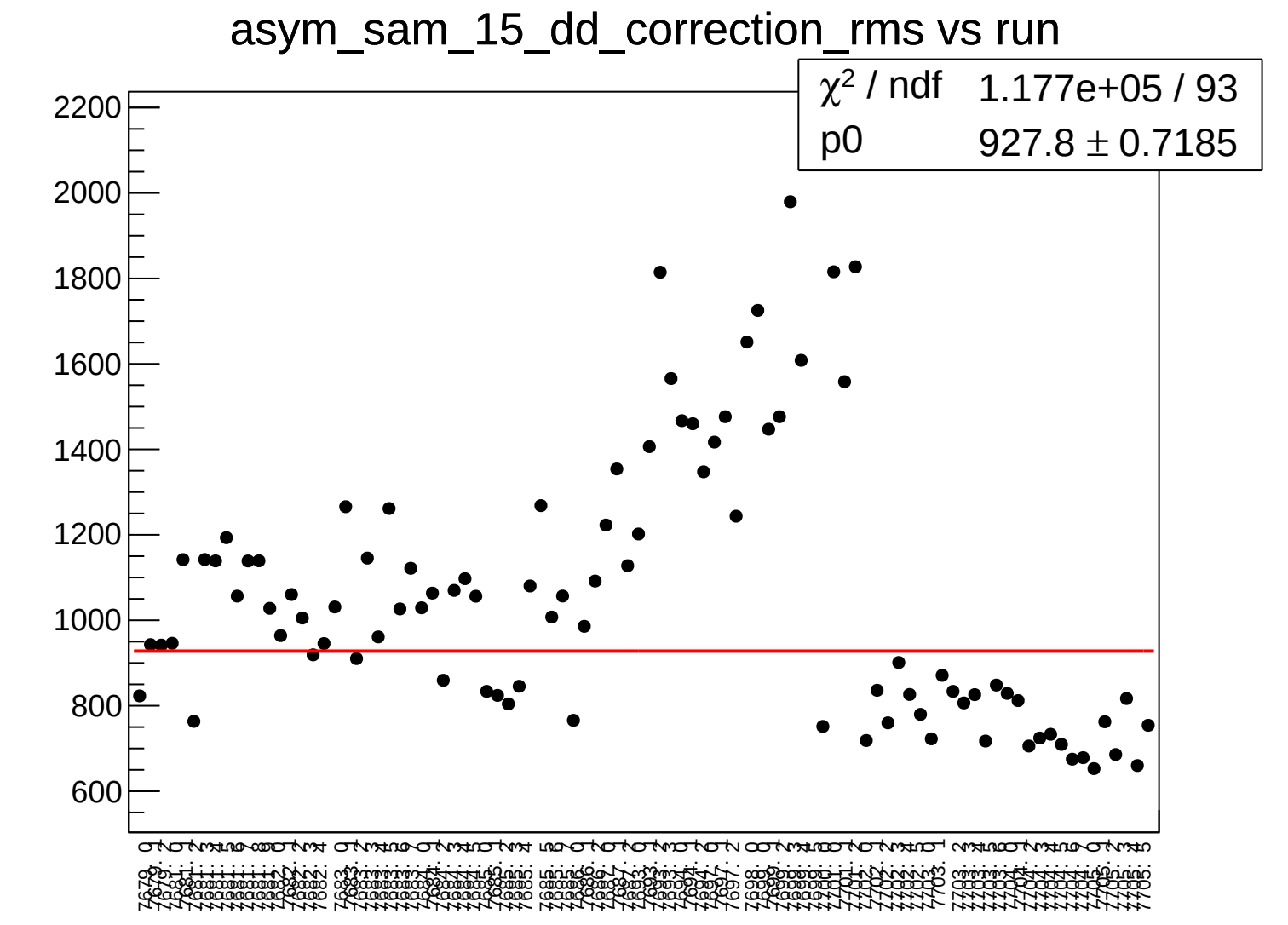

dit_asym_sam_15_dd_mean vs run
χ² / ndf 91.43 / 93
p0 27.73 ± 98.97
pull
Entries 94
Mean −915.3
Std Dev 962.2

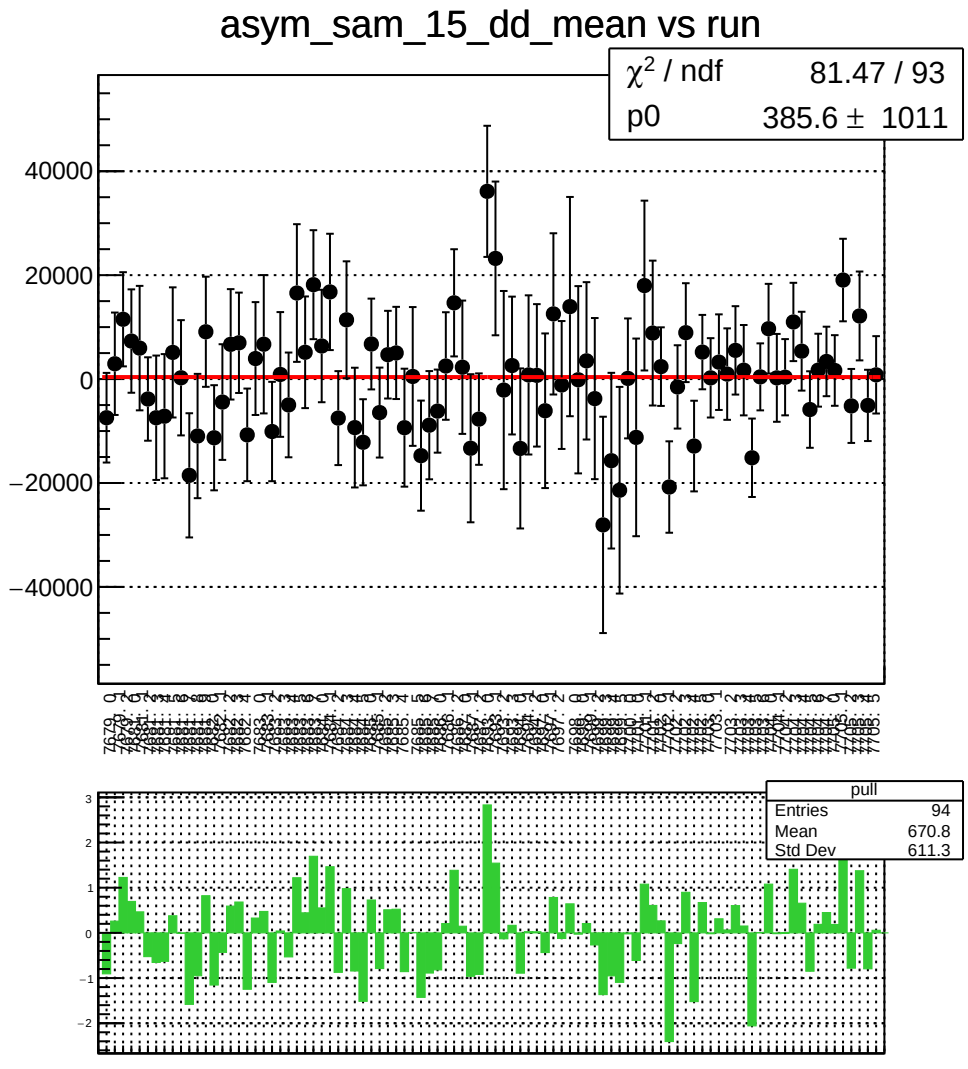

pull1D
Entries 94
Mean −0.002331
Std Dev 0.9862

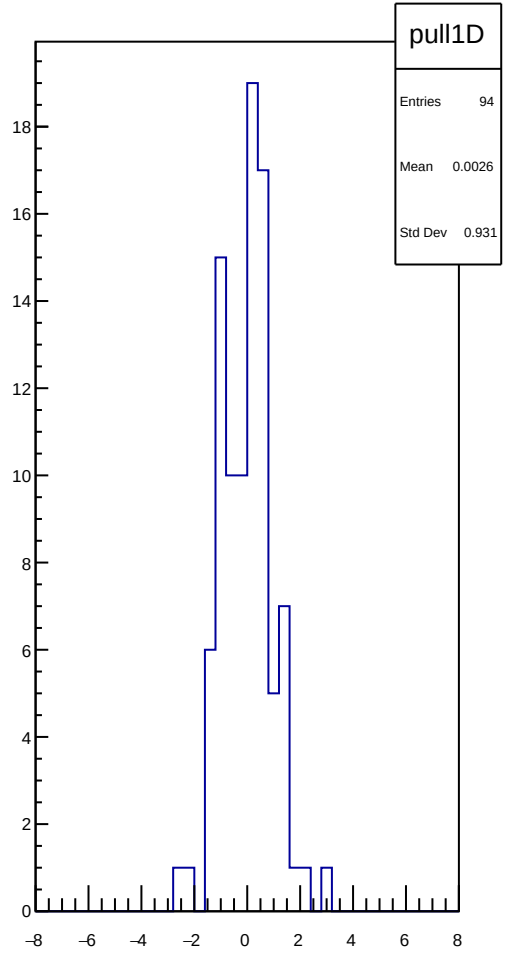

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1206 / 93
p0 93.47 ± 0.06998
102
100
98
96
94
92
90
88

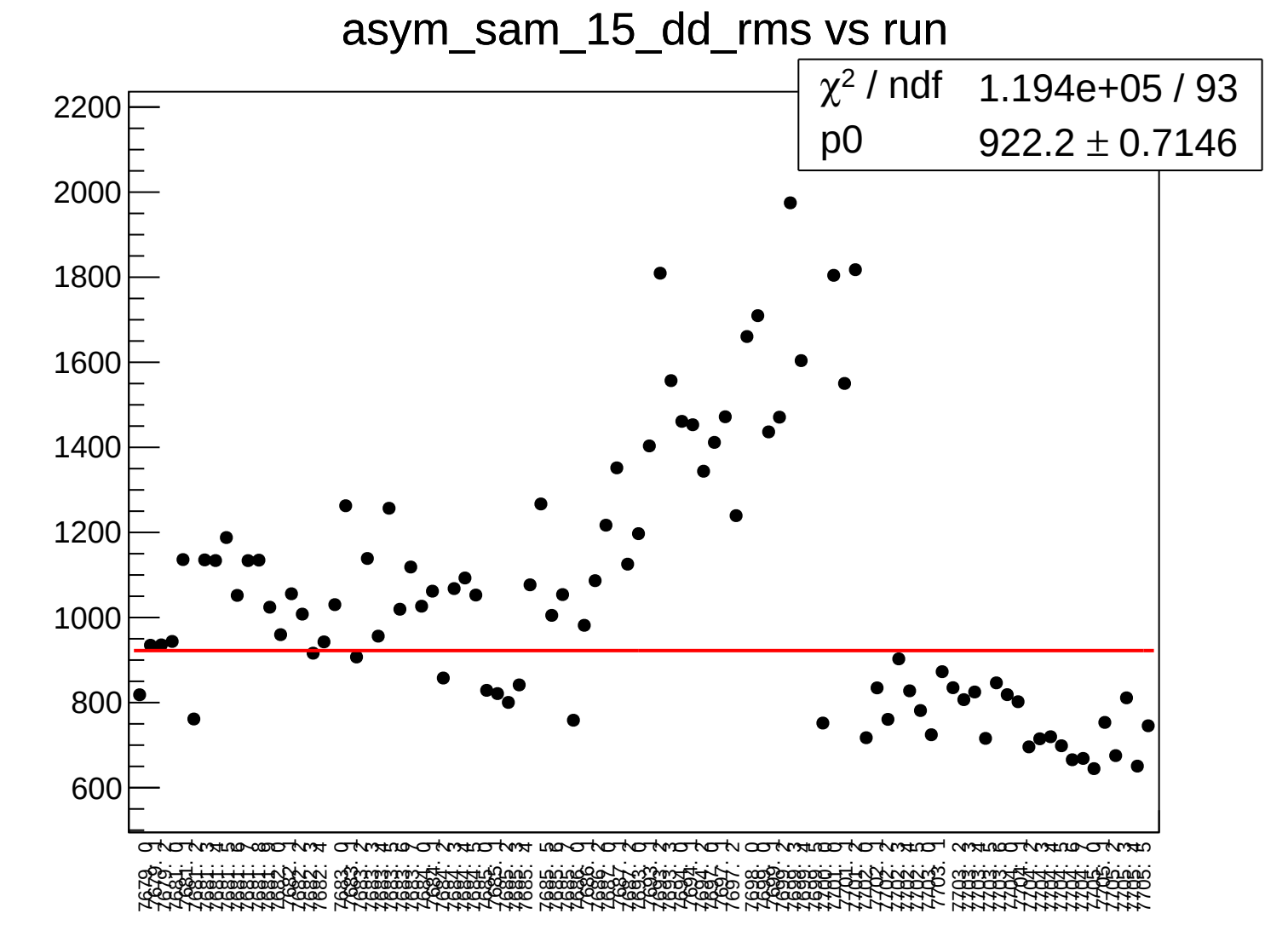

asym_sam_15_dd_correction_mean vs run
χ² / ndf 81.42 / 93
p0 −377.1± 1016
40000
20000
0
−20000
−40000
pull
Entries 94
Mean 573.1
Std Dev 512.4
2
1
0
−1
−2
−3

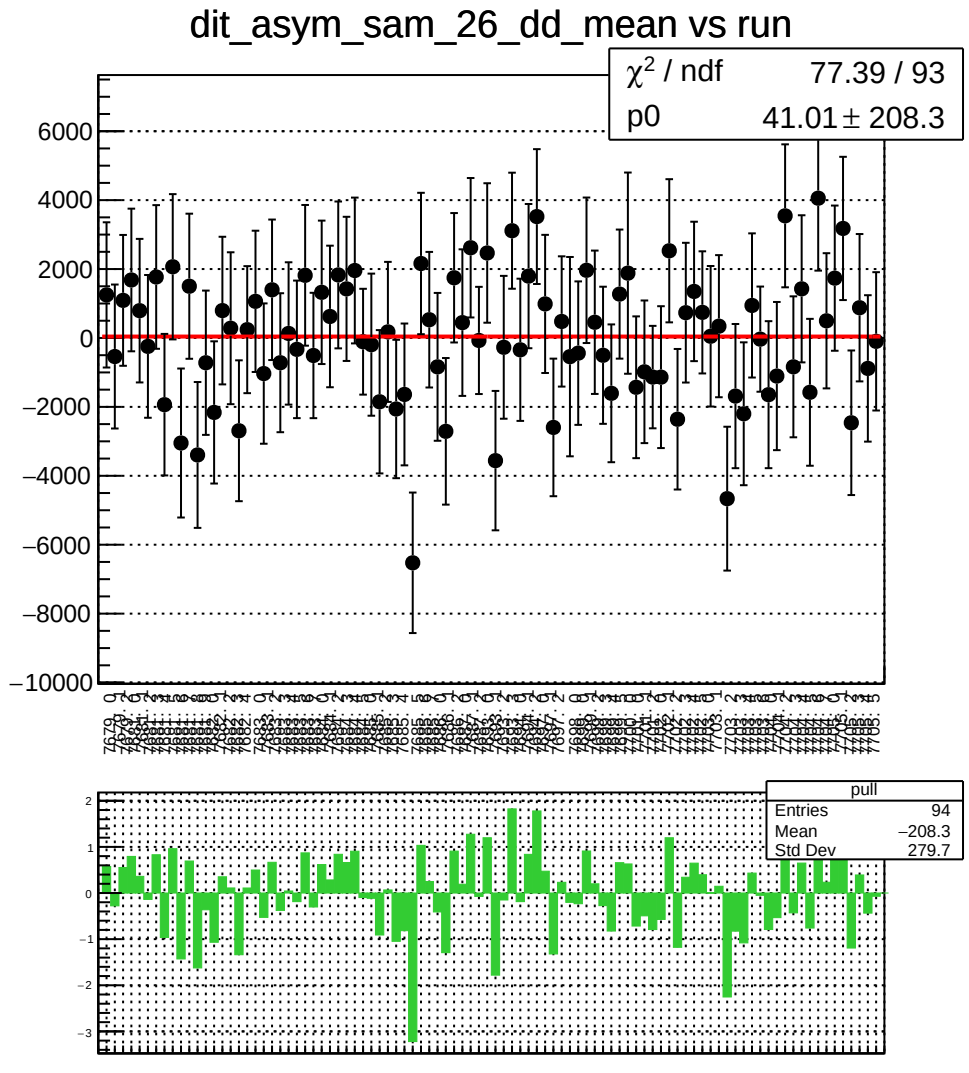

pull1D
Entries 94
Mean −0.00265
Std Dev 0.9307
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

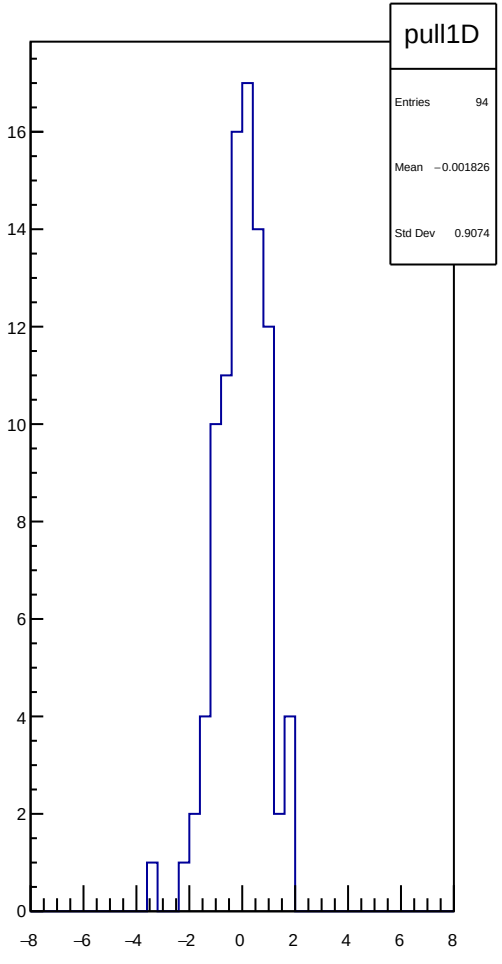

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.177e+05 / 93
p0 927.8 ± 0.7185
2200
2000
1800
1600
1400
1200
1000
800
600

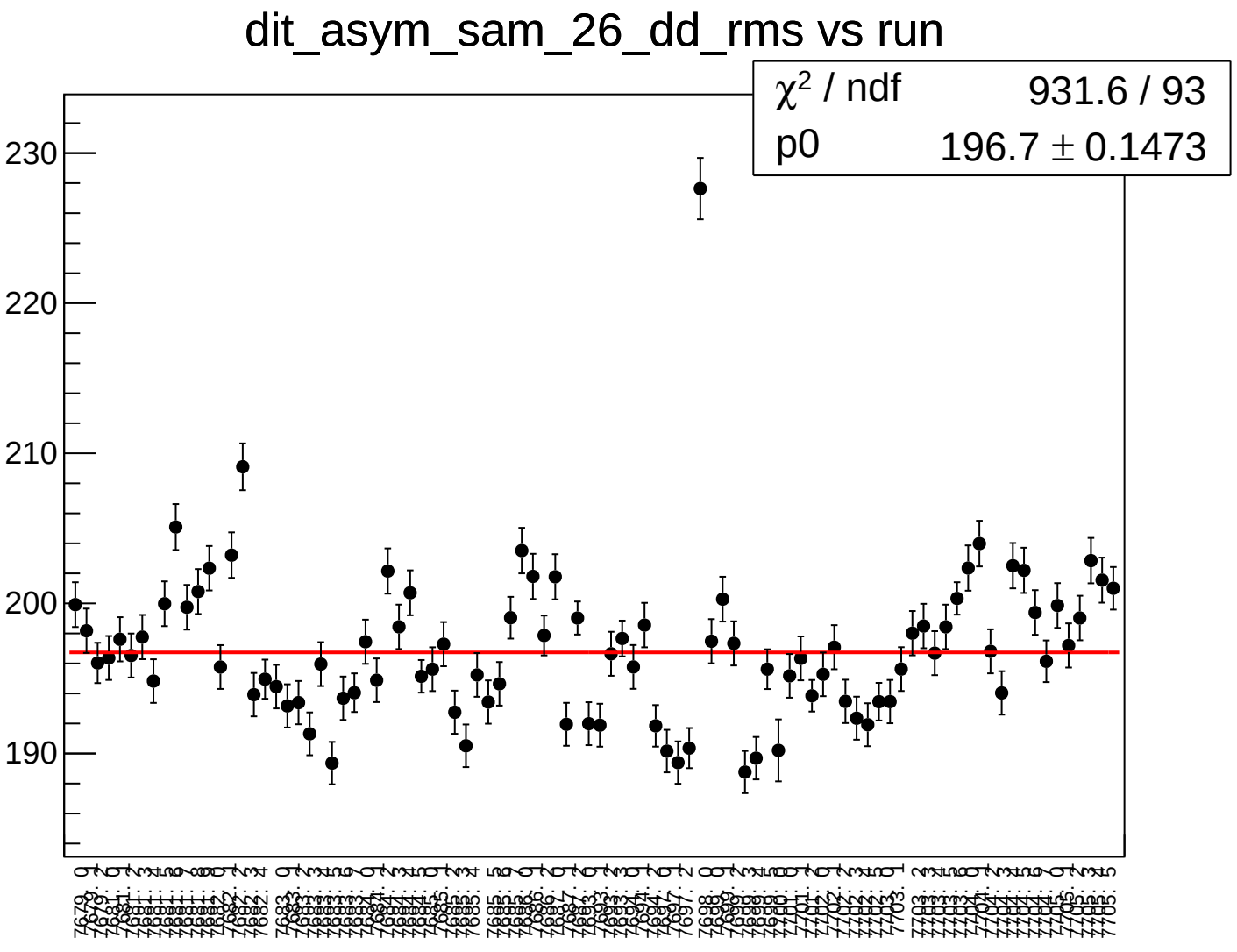

asym_sam_15_dd_mean vs run
χ² / ndf 81.47 / 93
p0 385.6 ± 1011
40000
20000
0
−20000
−40000
pull
Entries 94
Mean 670.8
Std Dev 611.3
3
2
1
0
−1
−2

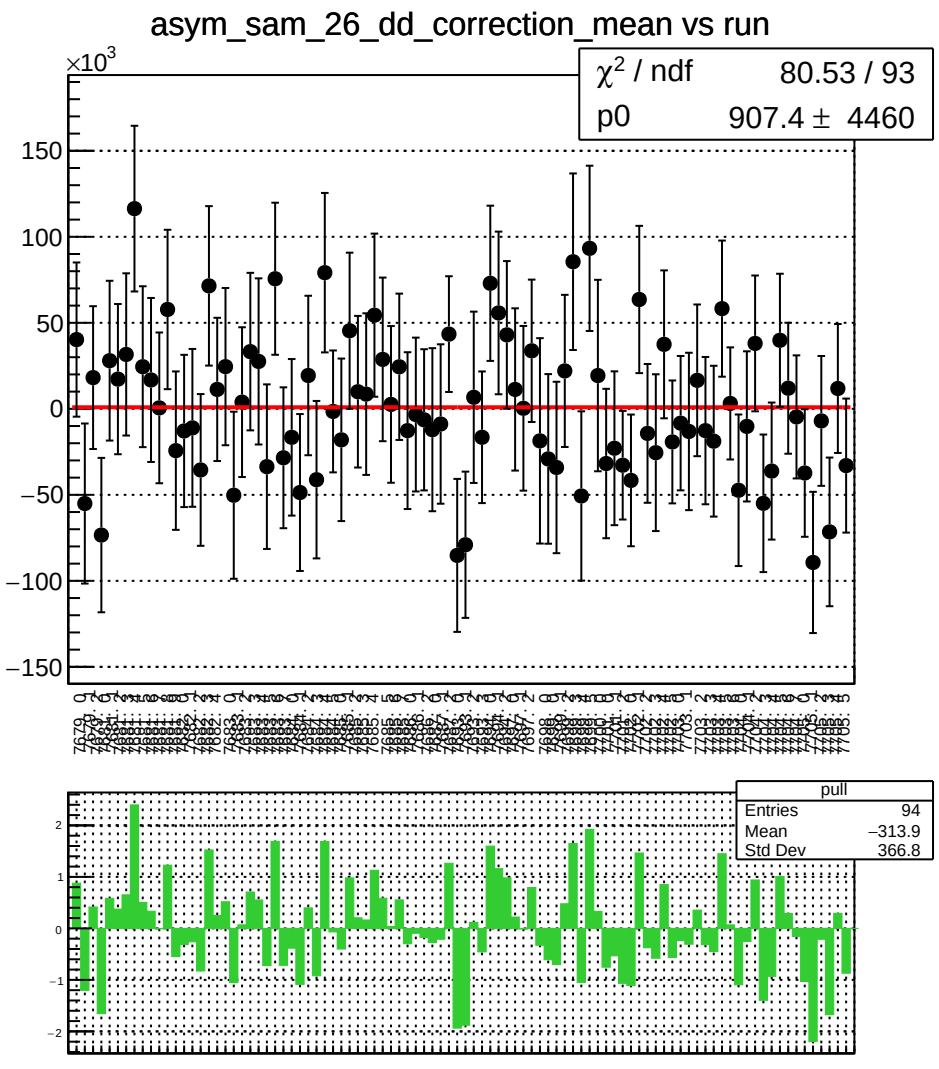

pull1D
Entries 94
Mean 0.0026
Std Dev 0.931
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

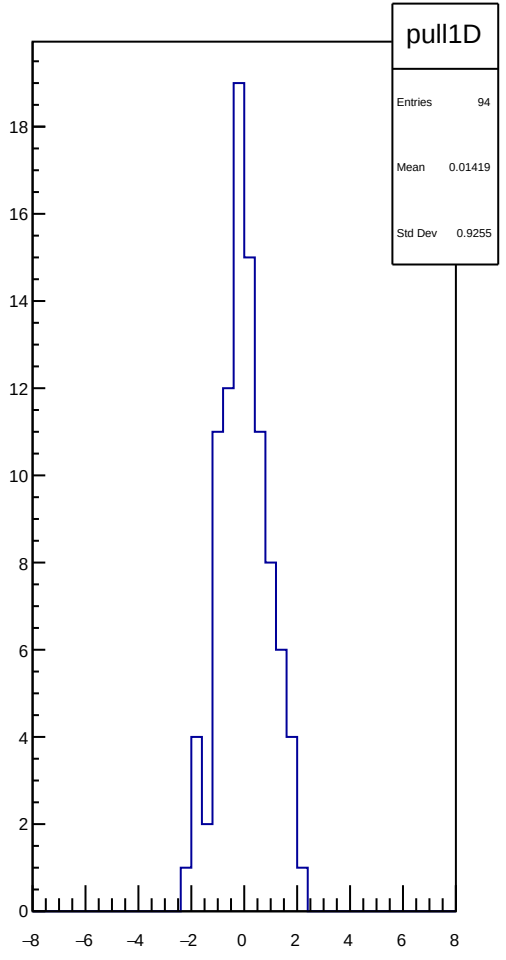

asym_sam_15_dd_rms vs run
χ² / ndf 1.194e+05 / 93
p0 922.2 ± 0.7146
2200
2000
1800
1600
1400
1200
1000
800
600

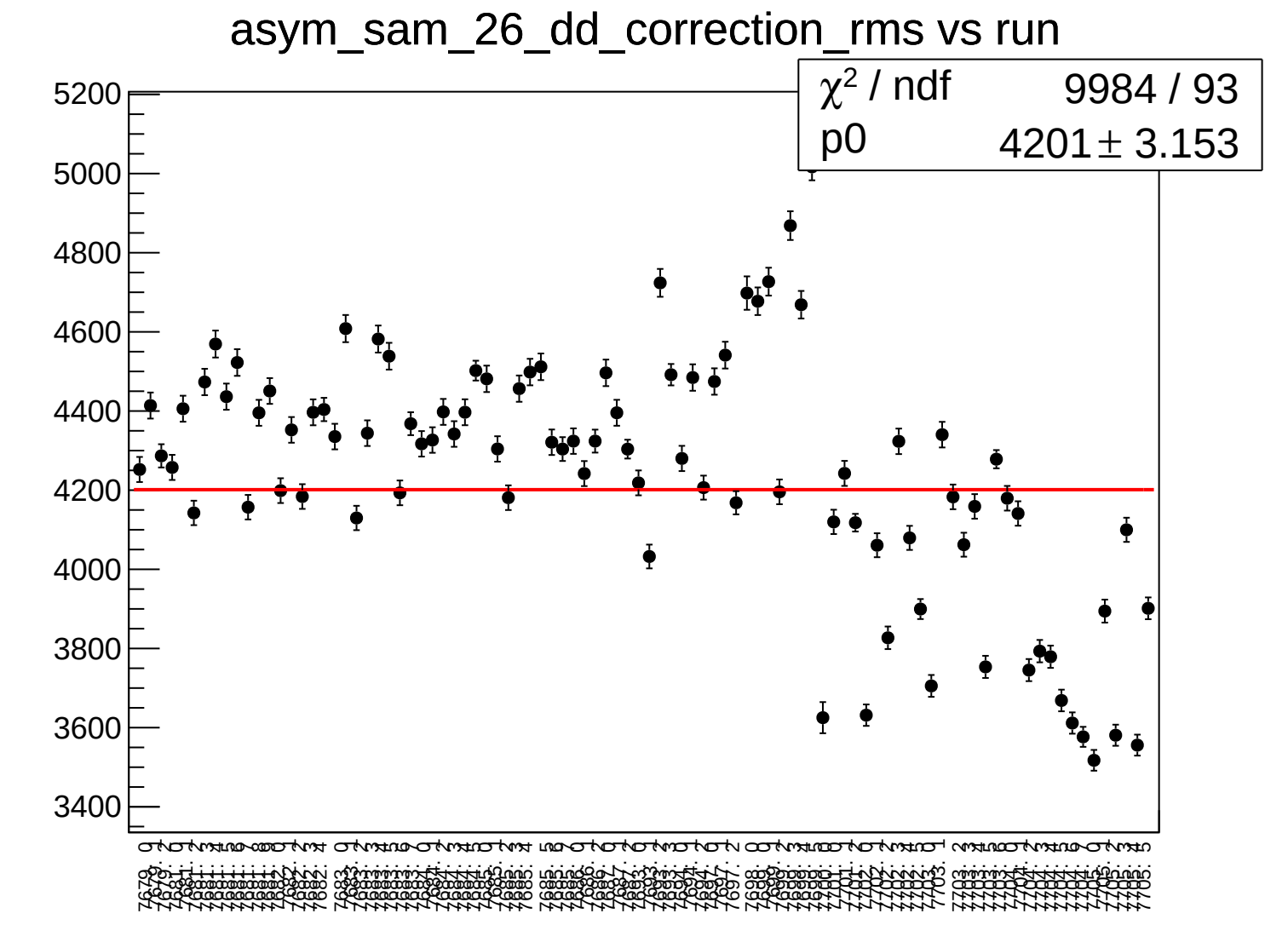

dit_asym_sam_26_dd_mean vs run
χ² / ndf 77.39 / 93
p0 41.01 ± 208.3
pull
Entries 94
Mean −208.3
Std Dev 279.7

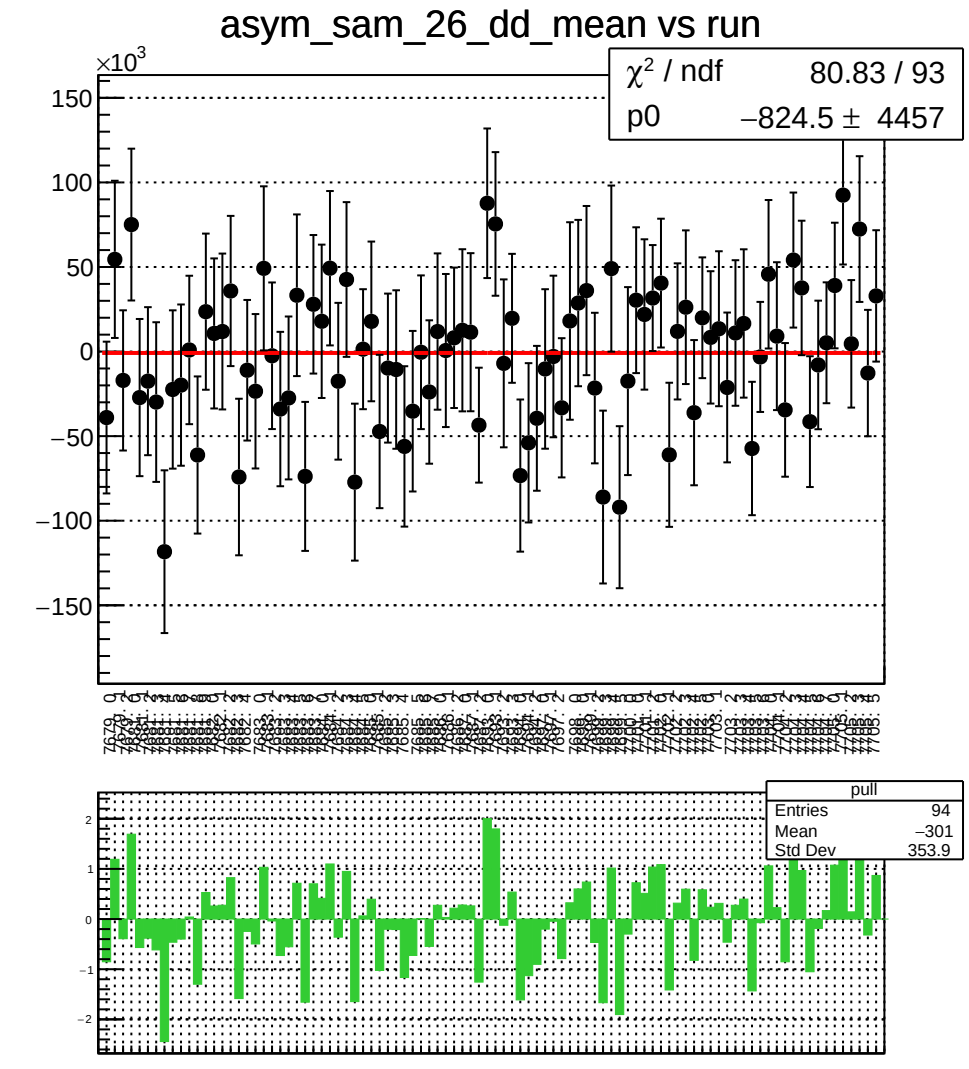

pull1D
Entries 94
Mean −0.001826
Std Dev 0.9074

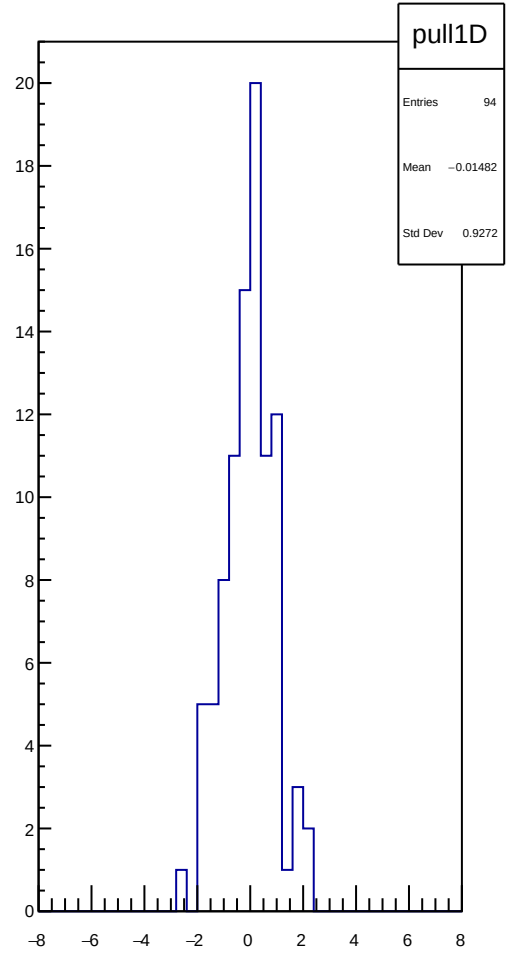

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 931.6 / 93
p0 196.7 ± 0.1473
230
220
210
200
190

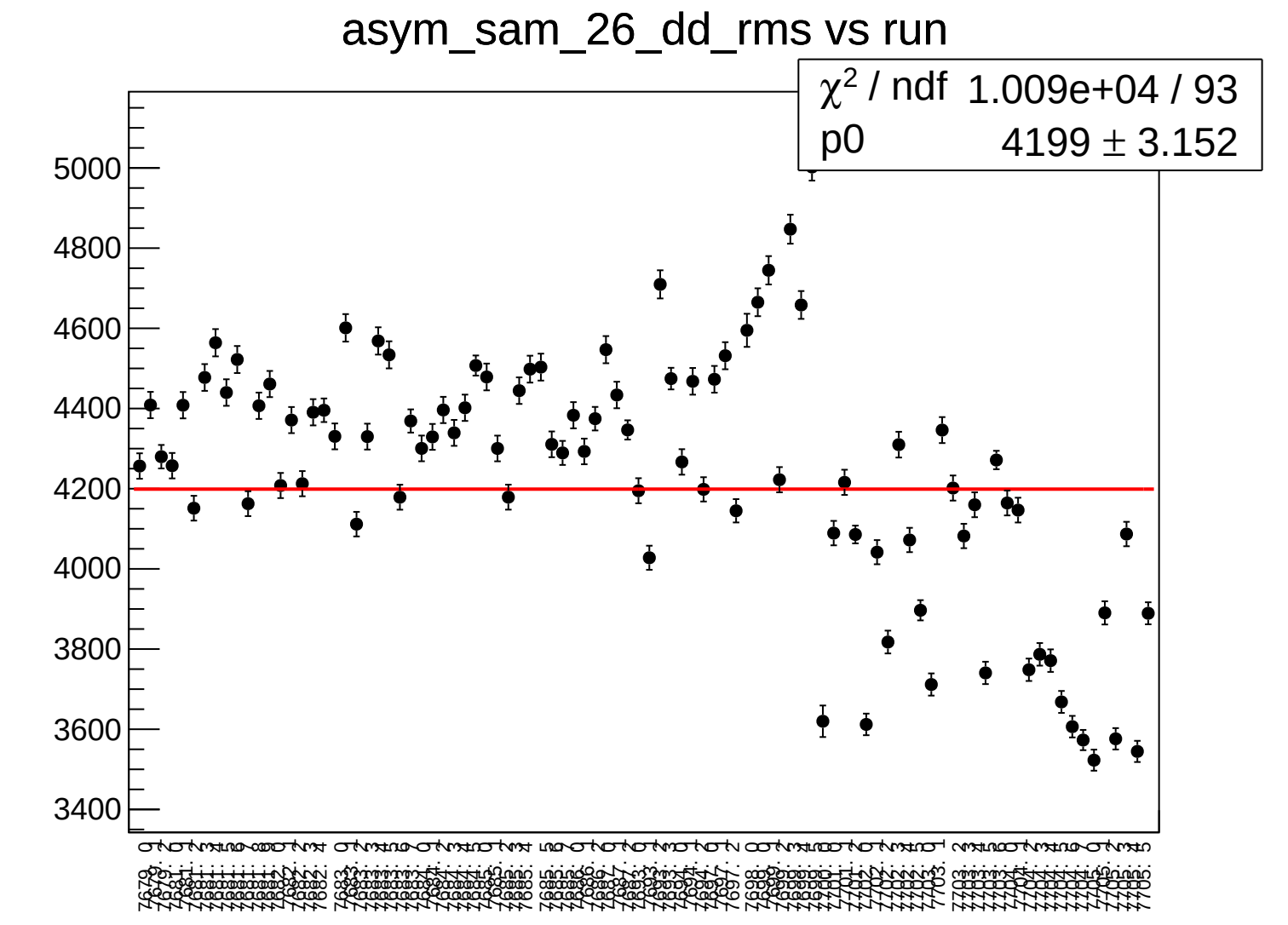

asym_sam_26_dd_correction_mean vs run
χ² / ndf 80.53 / 93
p0 907.4 ± 4460
×10³
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean −313.9
Std Dev 366.8
2
1
0
−1
−2

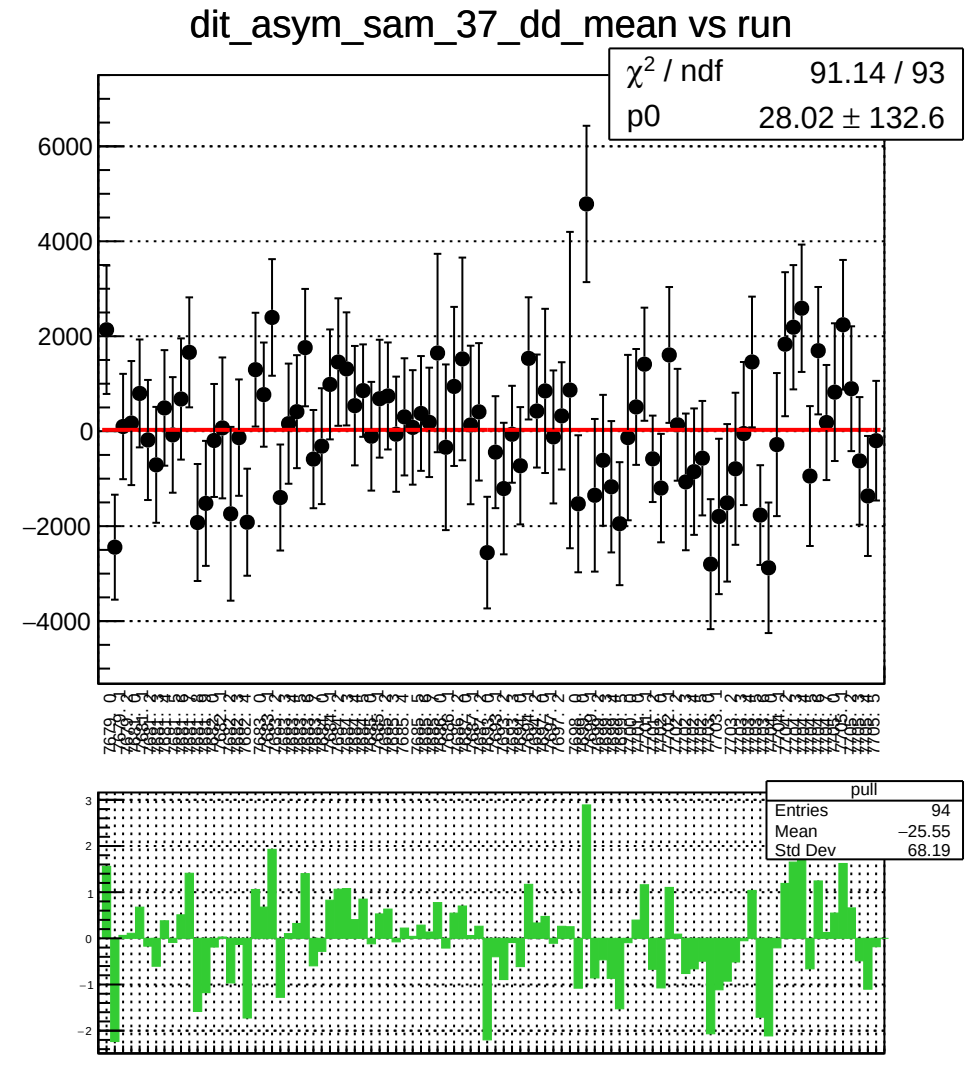

pull1D
Entries 94
Mean 0.01419
Std Dev 0.9255
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

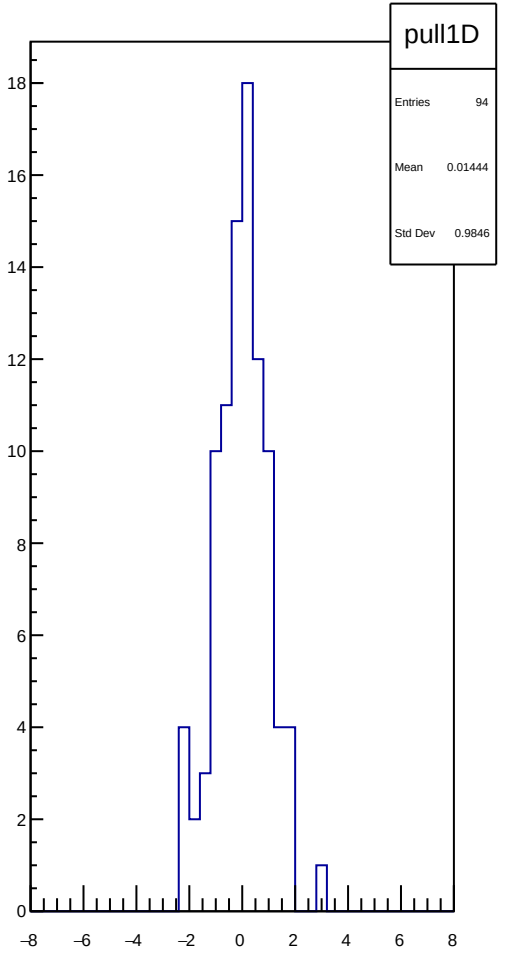

asym_sam_26_dd_correction_rms vs run
χ² / ndf 9984 / 93
p0 4201 ± 3.153
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400

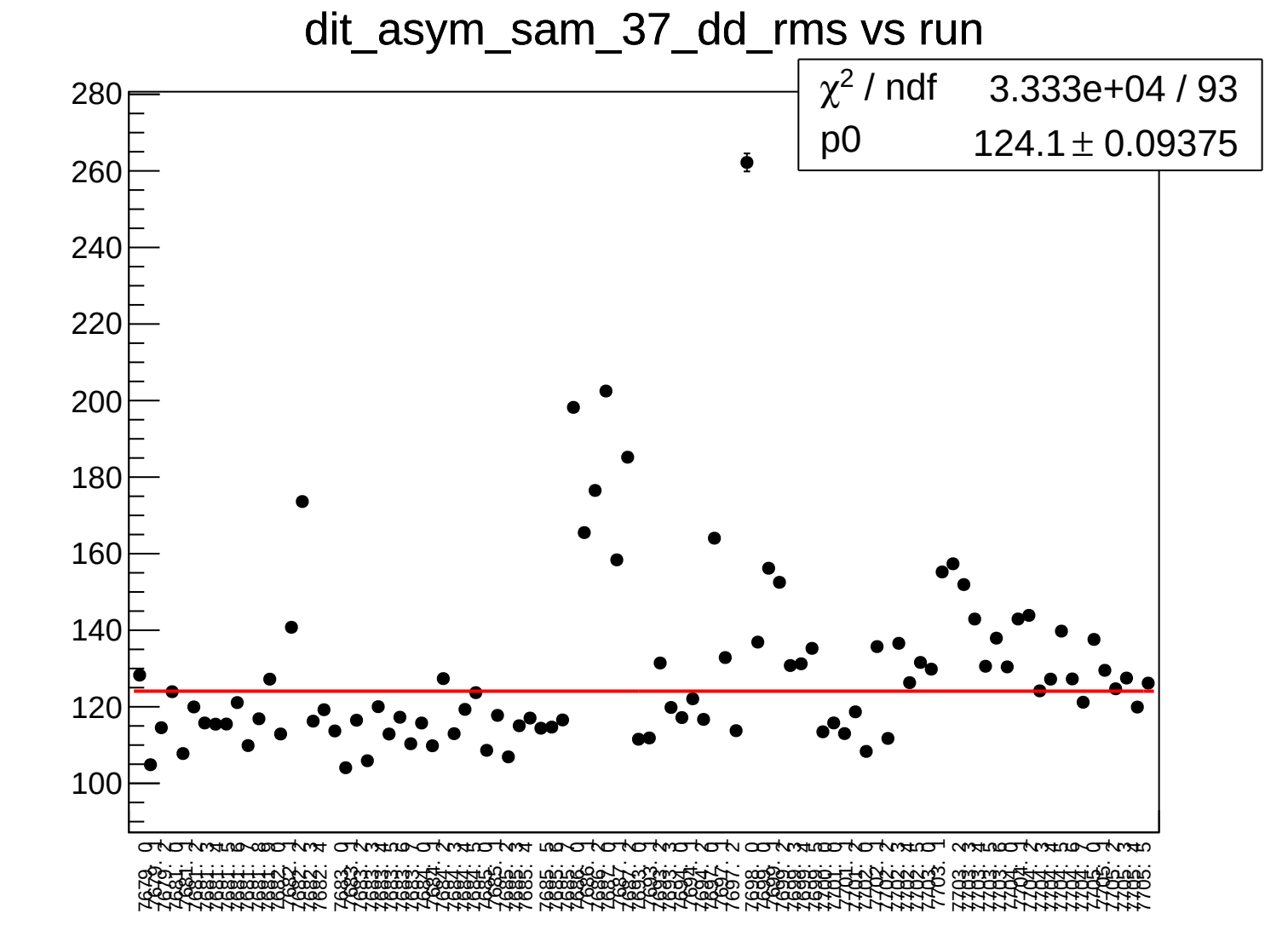

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 80.83 / 93
p0 −824.5 ± 4457
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean −301
Std Dev 353.9
2
1
0
−1
−2

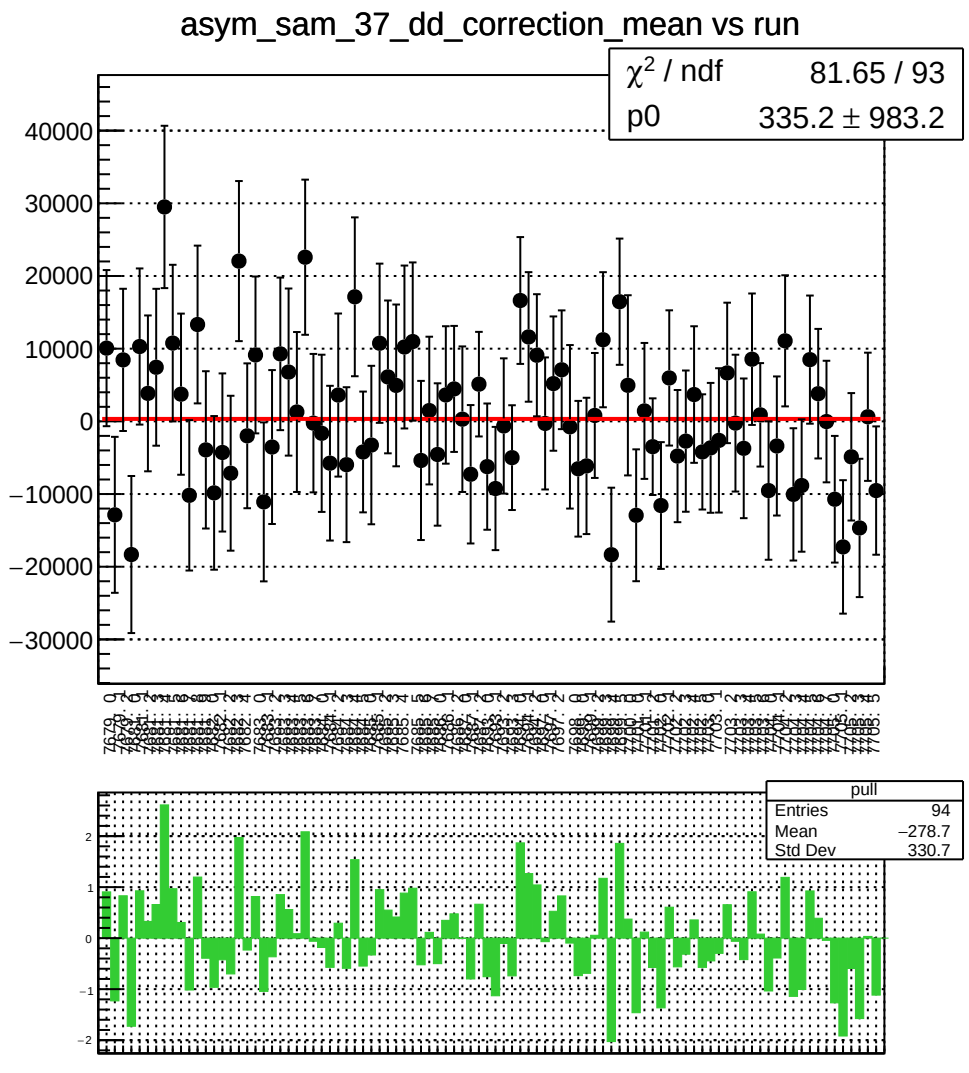

pull1D
Entries 94
Mean −0.01482
Std Dev 0.9272
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

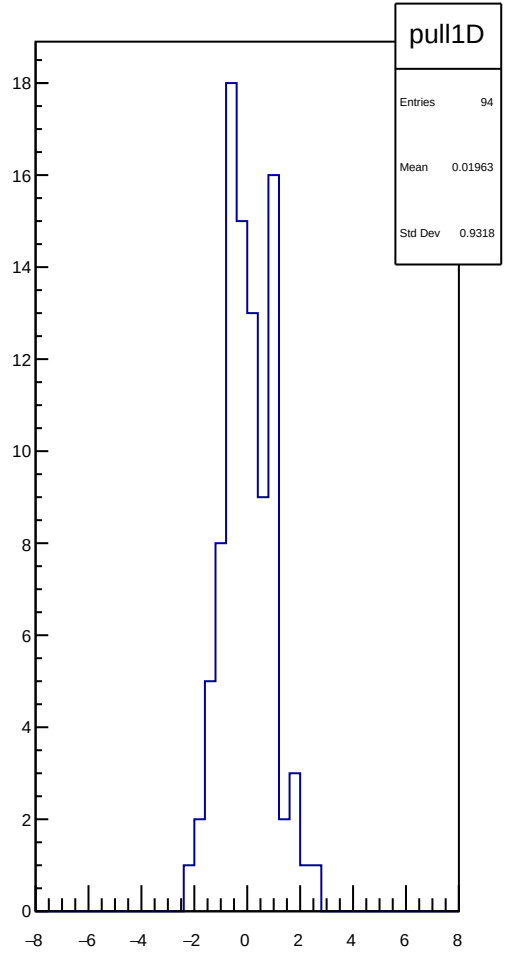

asym_sam_26_dd_rms vs run
χ² / ndf 1.009e+04 / 93
p0 4199 ± 3.152
5000
4800
4600
4400
4200
4000
3800
3600
3400

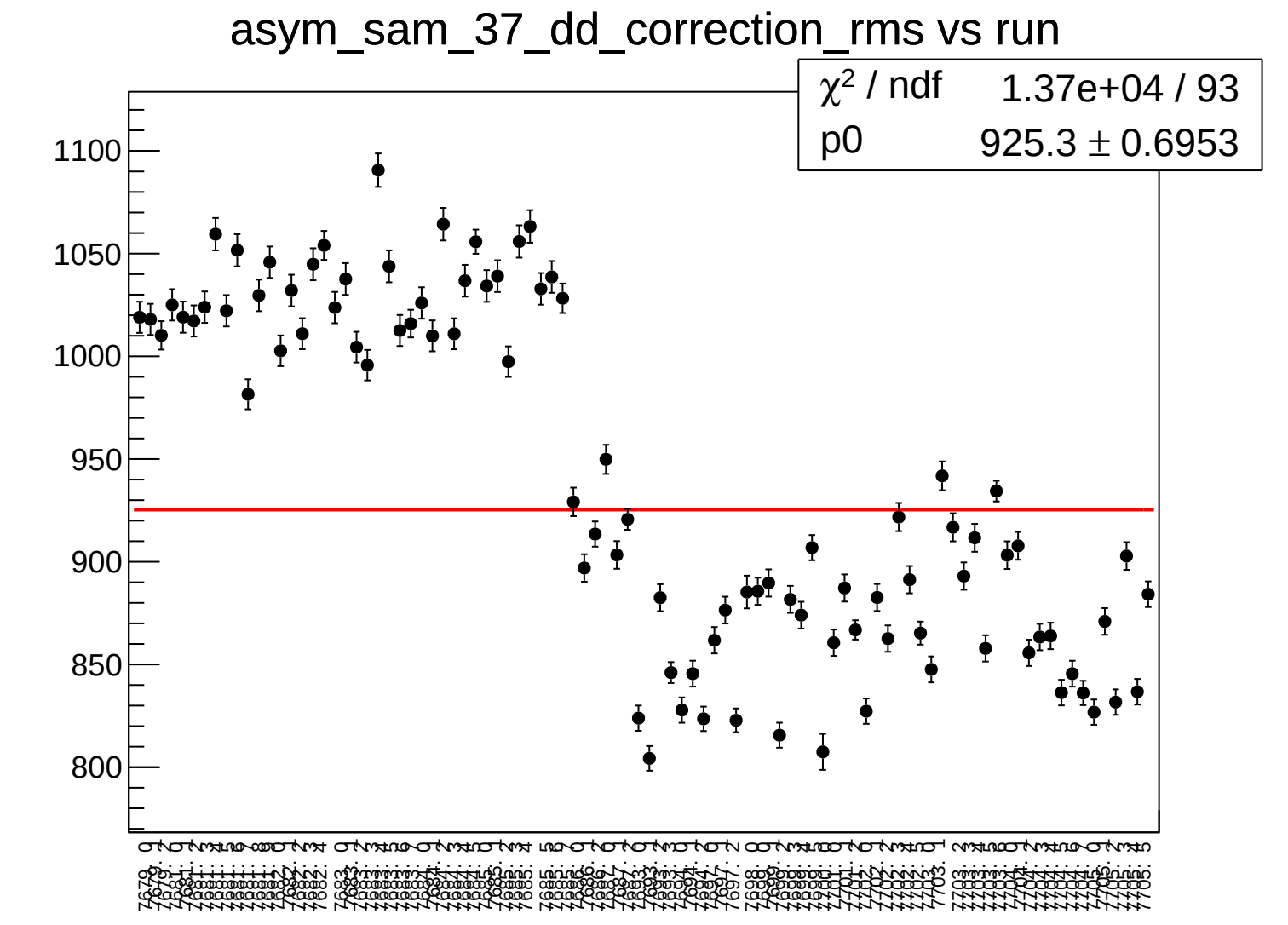

dit_asym_sam_37_dd_mean vs run
χ² / ndf 91.14 / 93
p0 28.02 ± 132.6
6000
4000
2000
0
−2000
−4000
pull
Entries 94
Mean −25.55
Std Dev 68.19
3
2
1
0
−1
−2

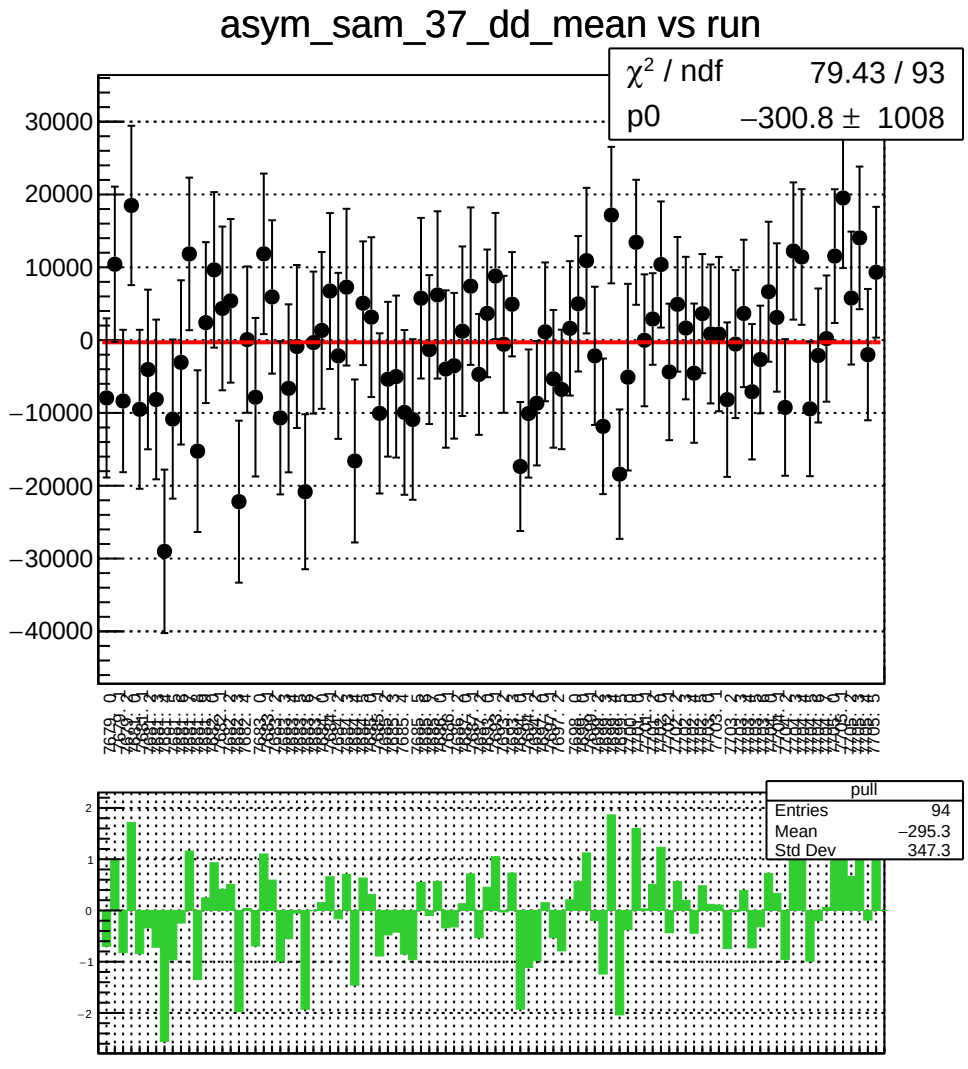

pull1D
Entries 94
Mean 0.01444
Std Dev 0.9846
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

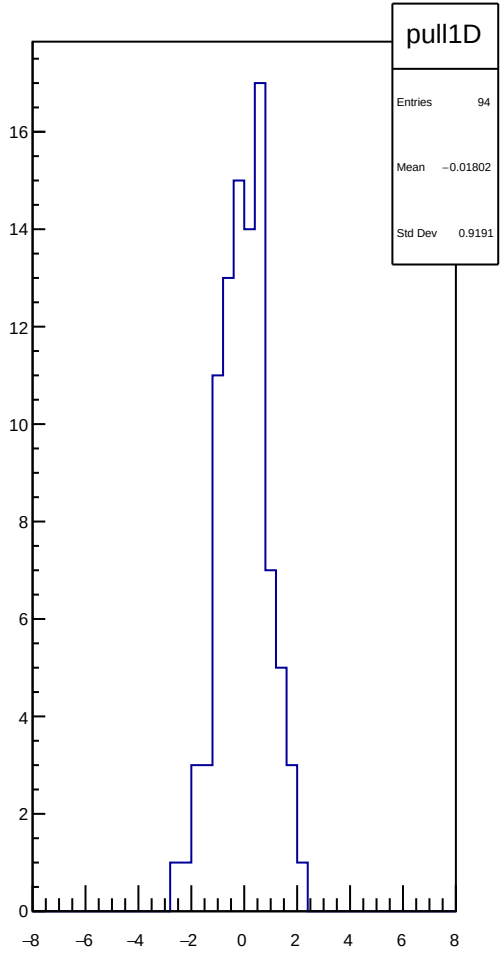

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 3.333e+04 / 93
p0 124.1 ± 0.09375
280
260
240
220
200
180
160
140
120
100

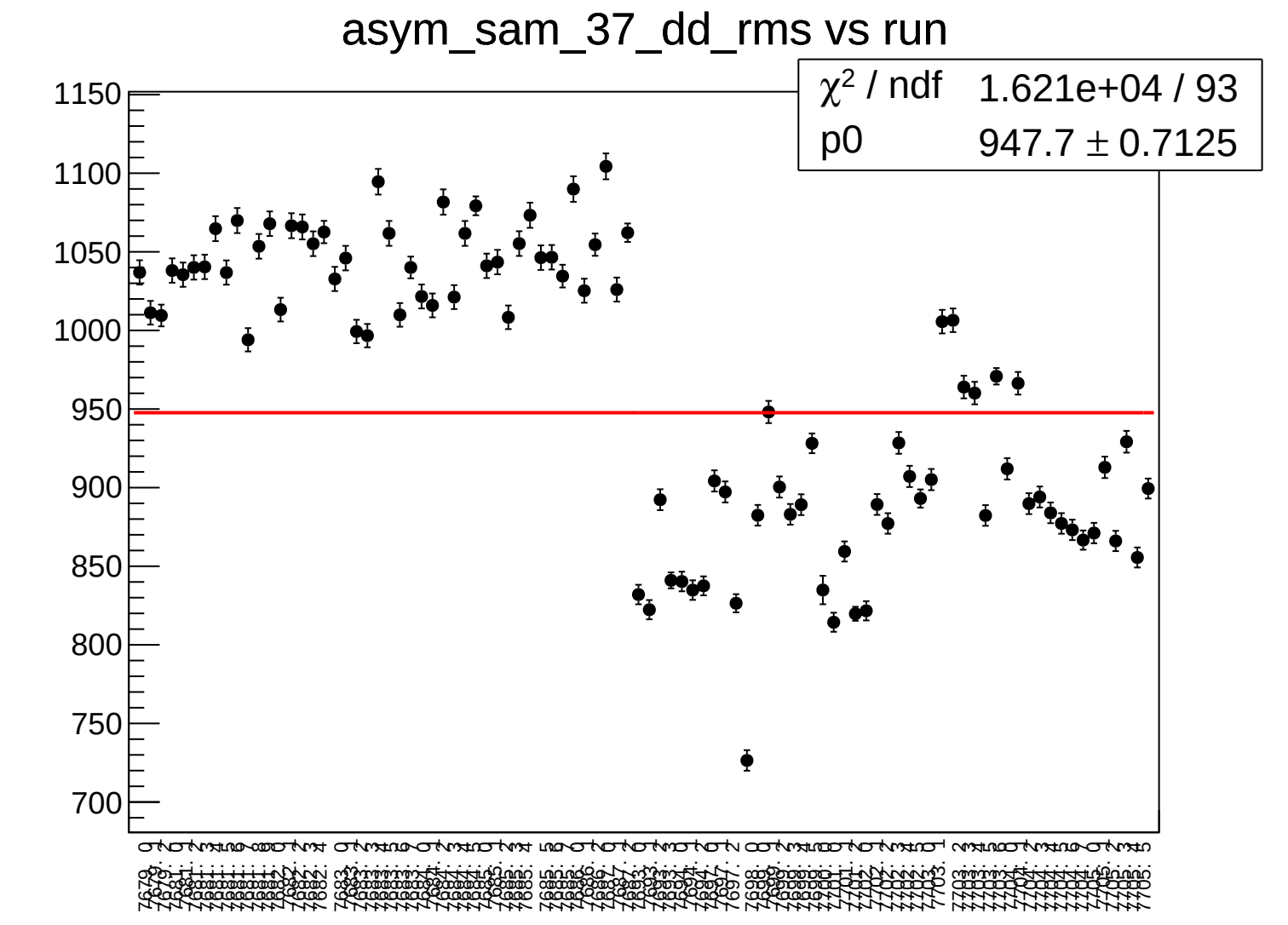

asym_sam_37_dd_correction_mean vs run
χ² / ndf 81.65 / 93
p0 335.2 ± 983.2
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean −278.7
Std Dev 330.7
2
1
0
−1
−2

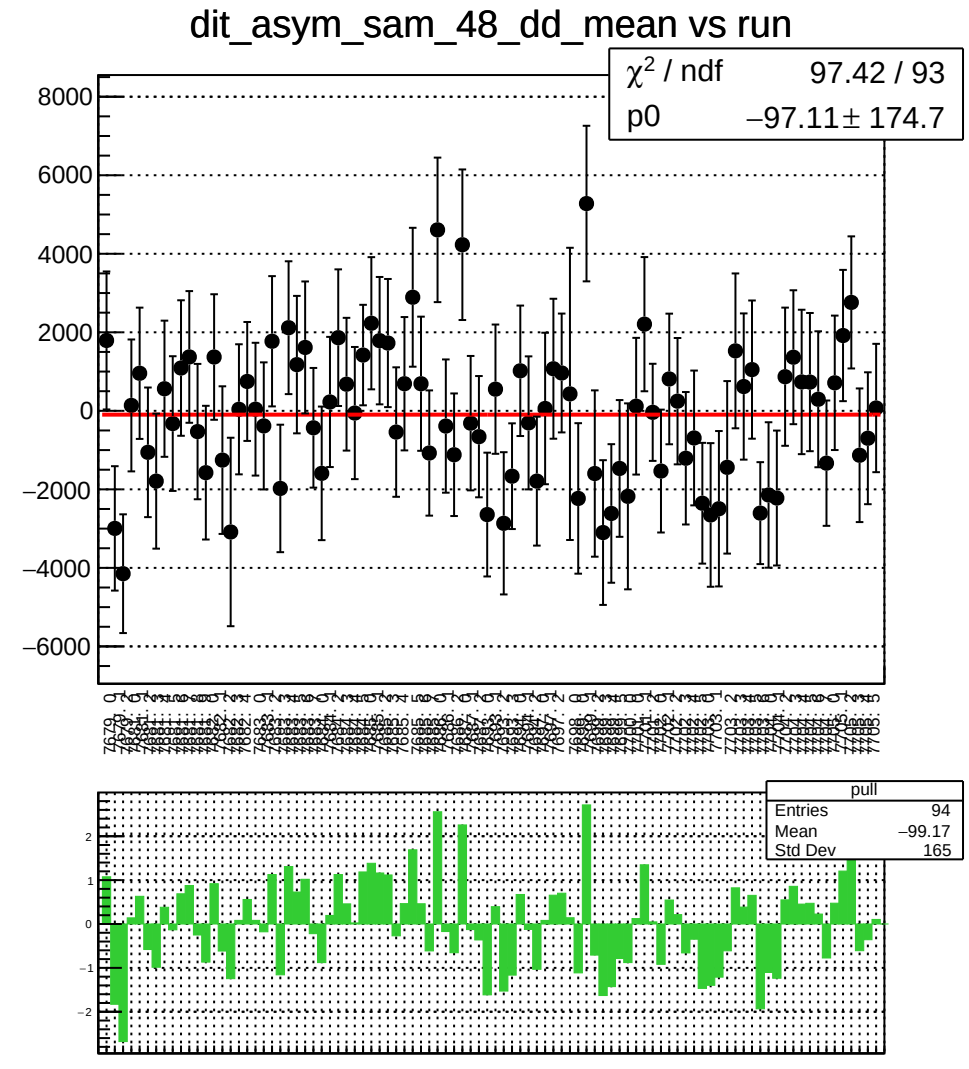

pull1D
Entries 94
Mean 0.01963
Std Dev 0.9318
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

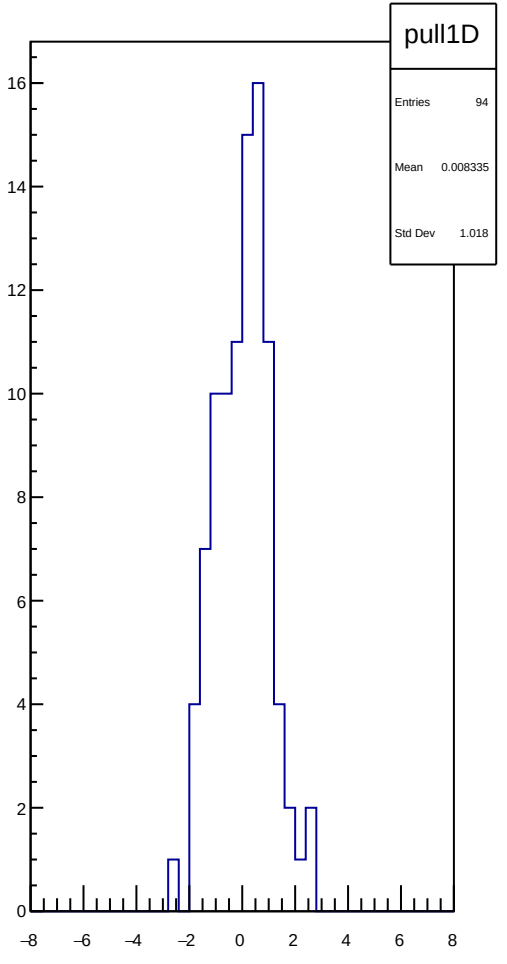

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.37e+04 / 93
p0 925.3 ± 0.6953
1100
1050
1000
950
900
850
800

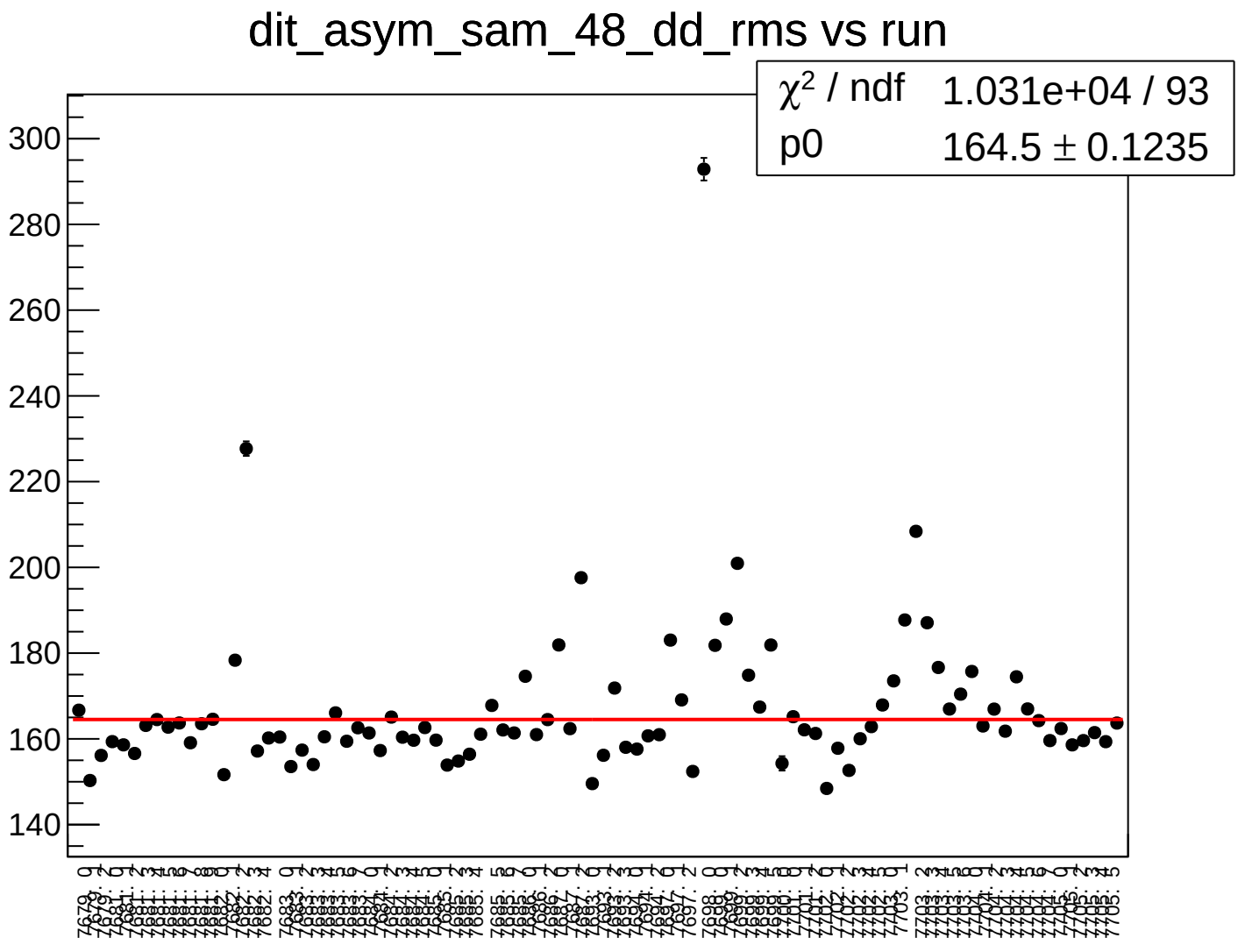

asym_sam_37_dd_mean vs run
χ² / ndf 79.43 / 93
p0 −300.8 ± 1008
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 94
Mean −295.3
Std Dev 347.3
2
1
0
−1
−2

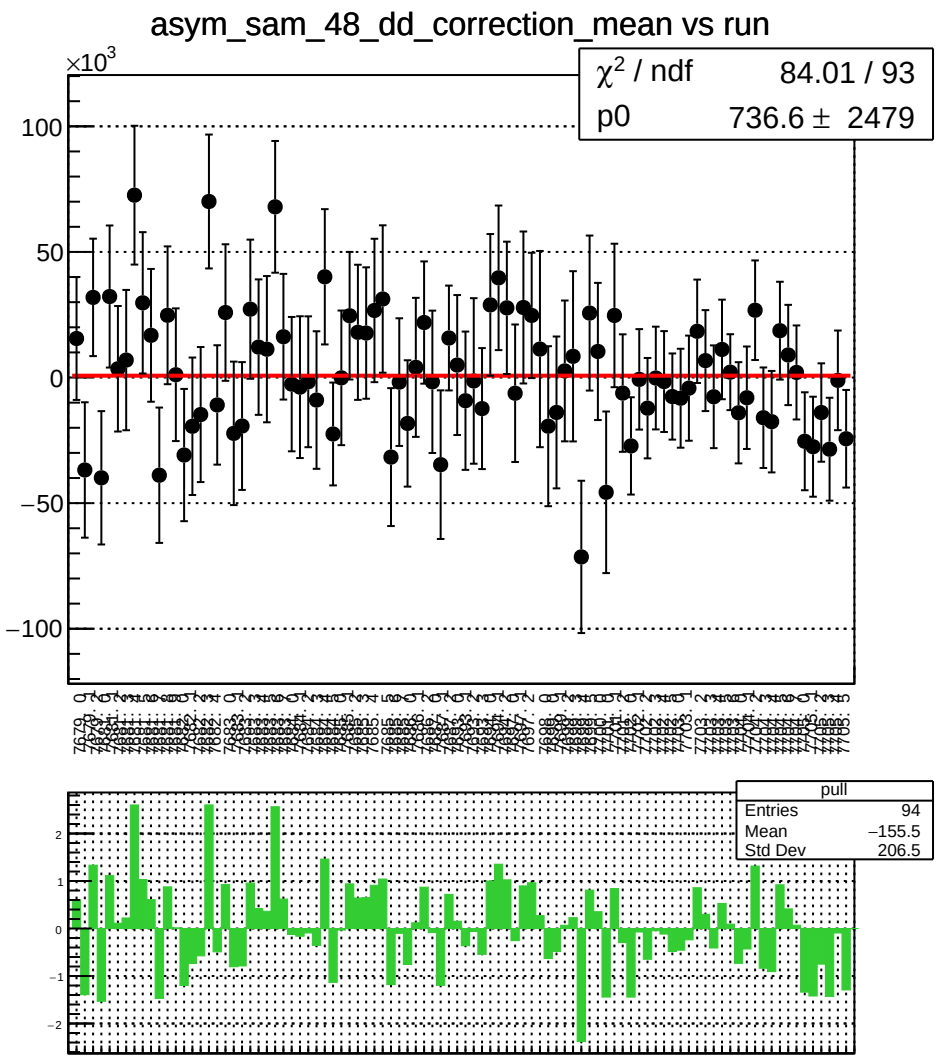

pull1D
Entries 94
Mean −0.01802
Std Dev 0.9191
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

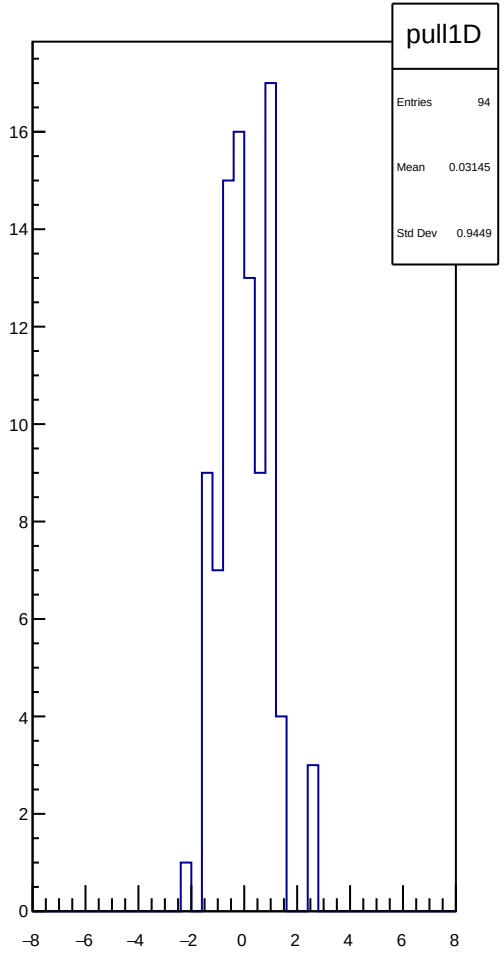

asym_sam_37_dd_rms vs run
χ^2 / ndf 1.621e+04 / 93
p0 947.7 ± 0.7125
1150
1100
1050
1000
950
900
850
800
750
700

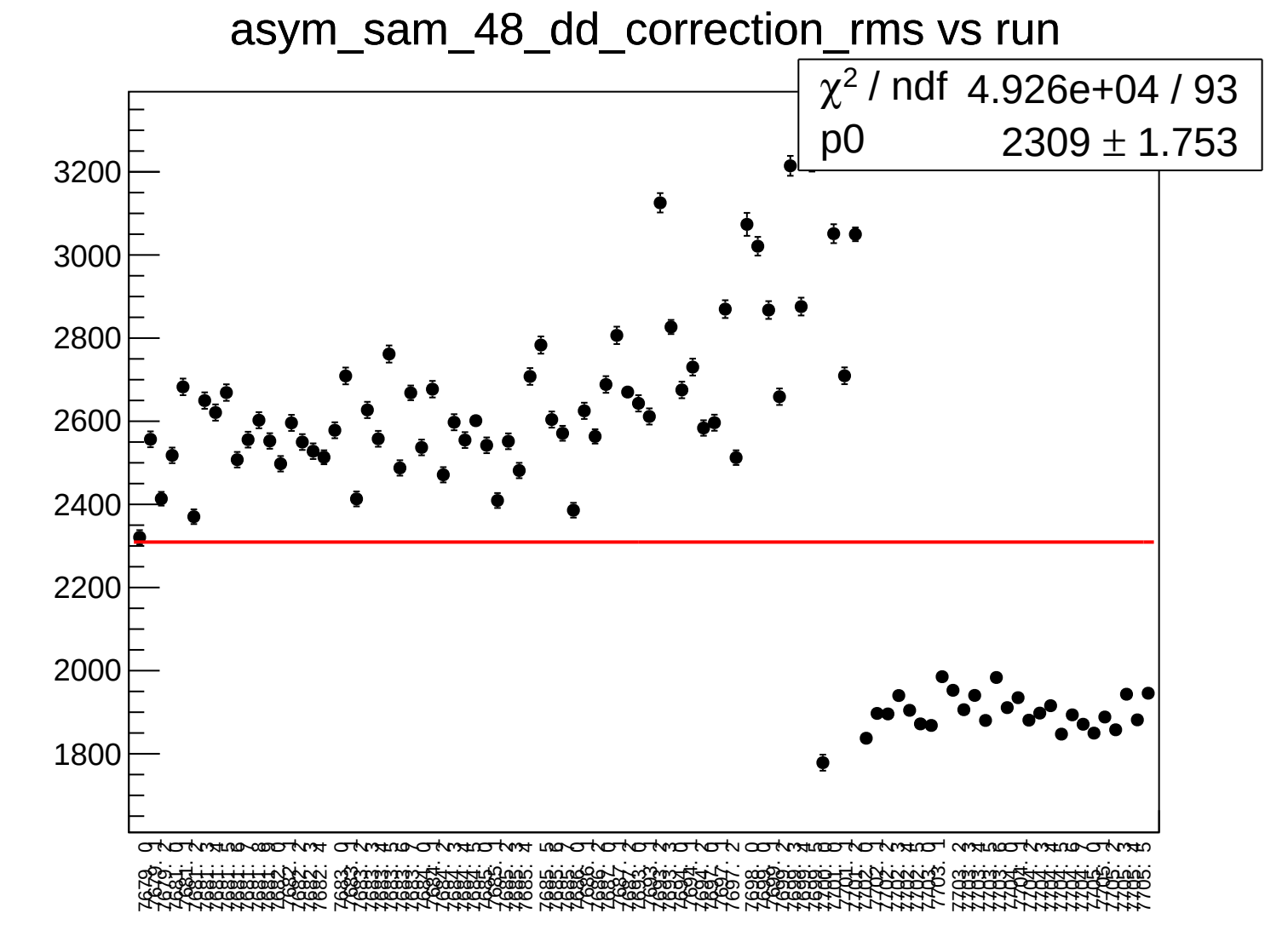

dit_asym_sam_48_dd_mean vs run
χ² / ndf 97.42 / 93
p0 –97.11± 174.7
8000
6000
4000
2000
0
–2000
–4000
–6000
pull
Entries 94
Mean –99.17
Std Dev 165
2
1
0
–1
–2

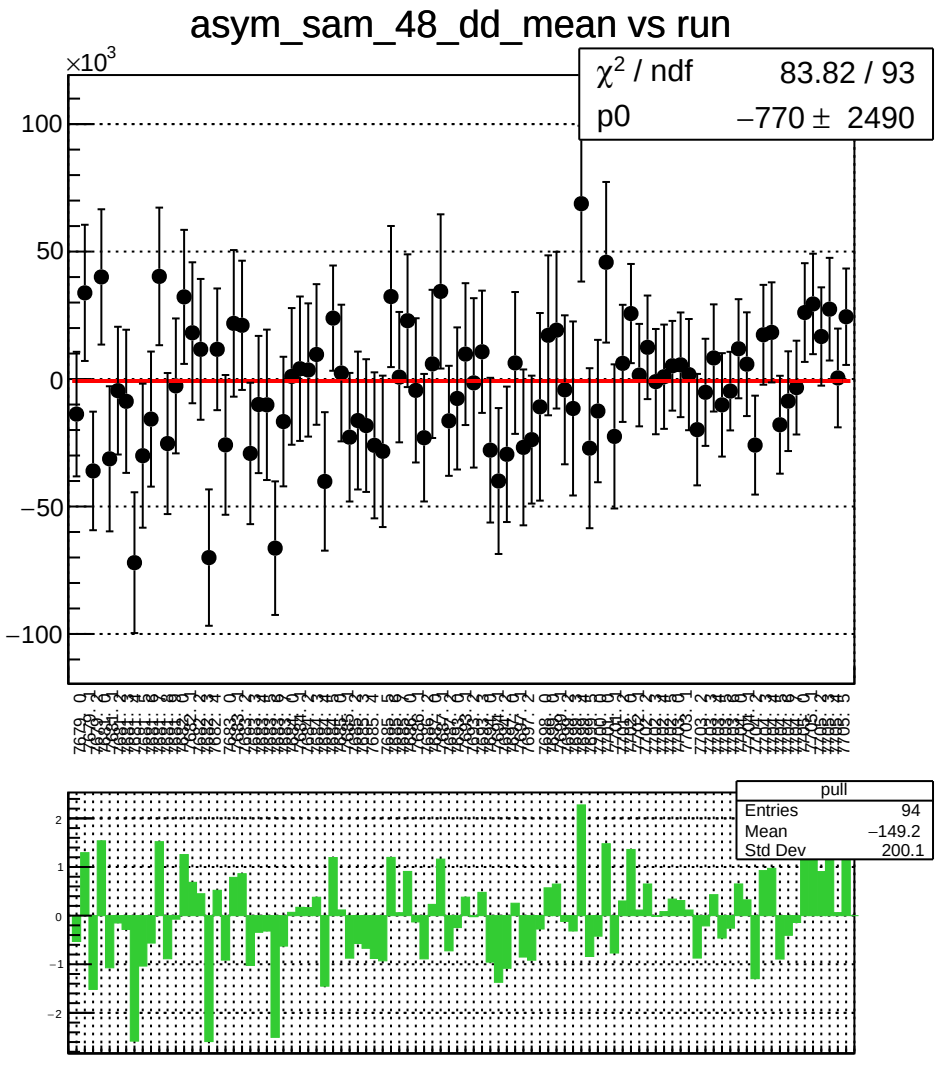

pull1D
Entries 94
Mean 0.008335
Std Dev 1.018
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

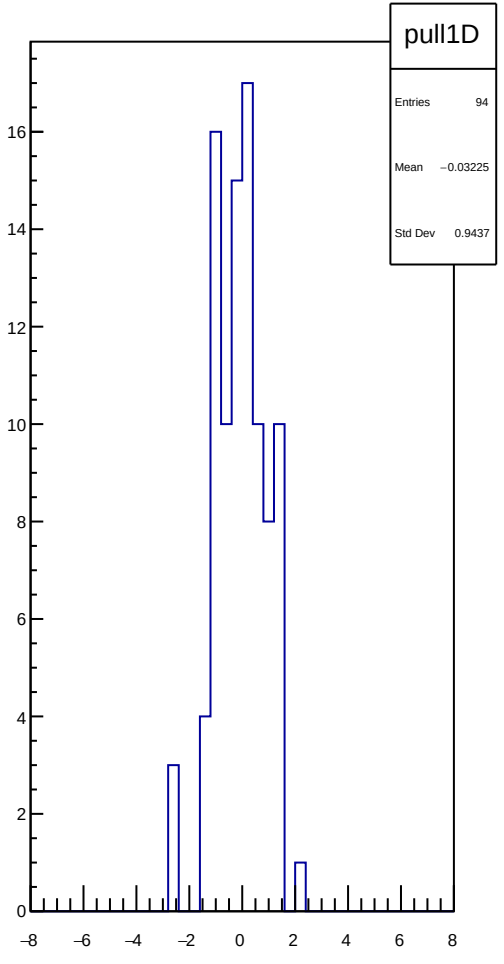

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.031e+04 / 93
p0 164.5 ± 0.1235
300
280
260
240
220
200
180
160
140

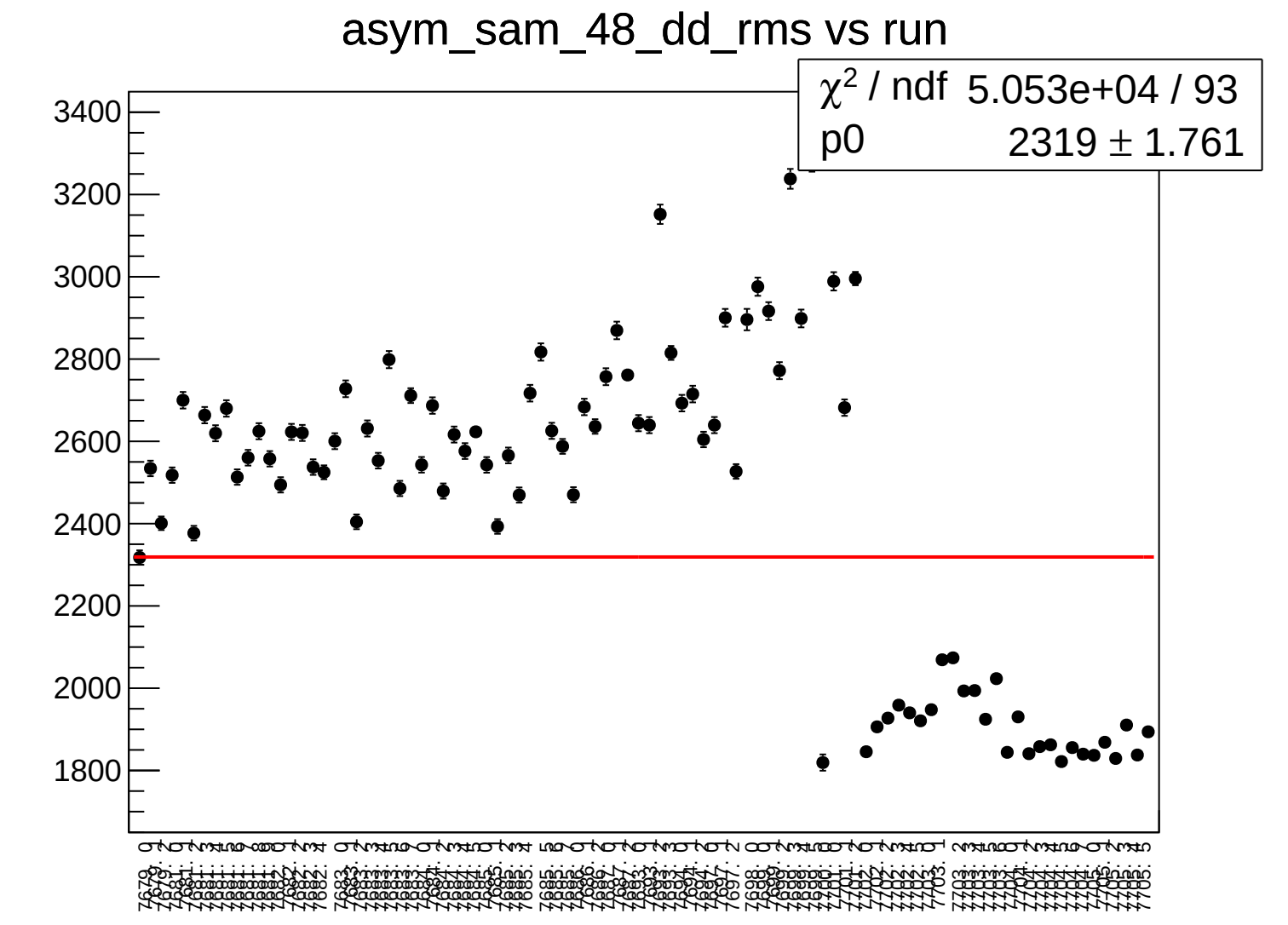

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 84.01 / 93
p0 736.6 ± 2479
100
50
0
−50
−100
pull
Entries 94
Mean −155.5
Std Dev 206.5
2
1
0
−1
−2

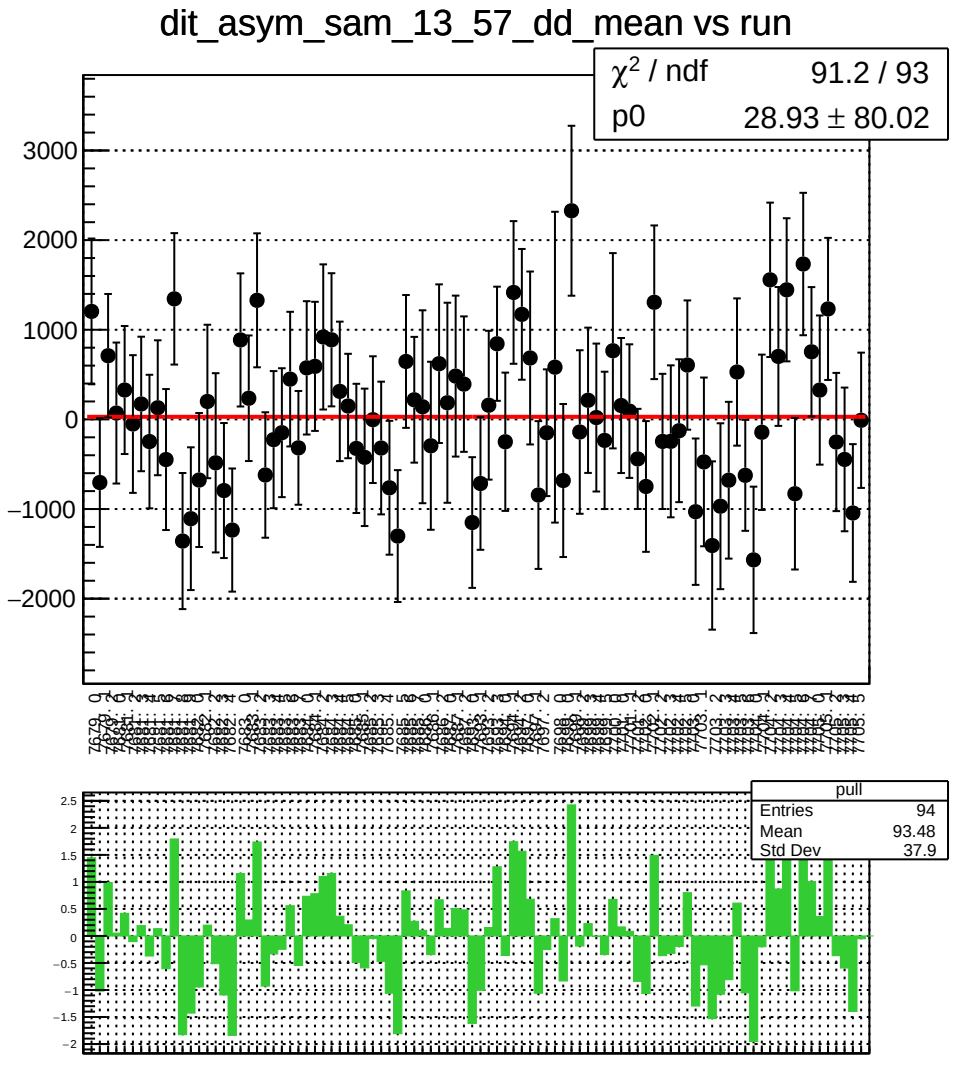

pull1D
Entries 94
Mean 0.03145
Std Dev 0.9449
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

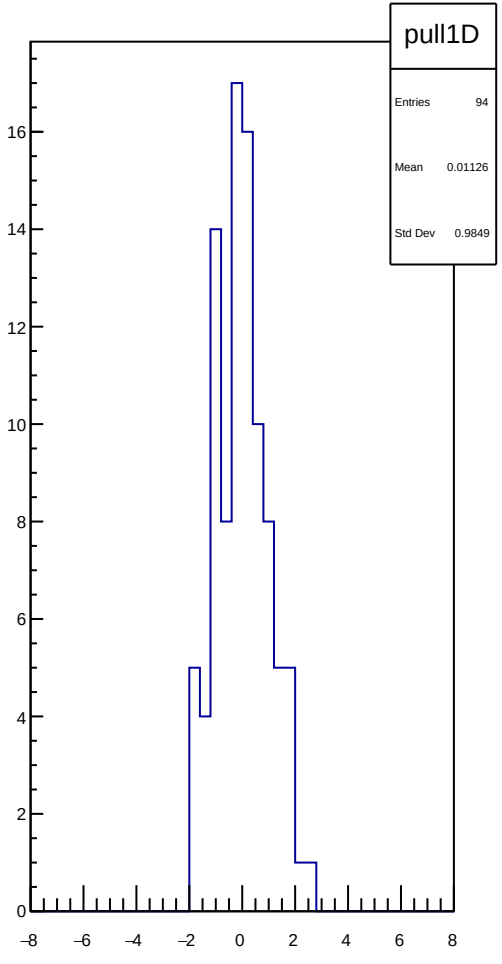

asym_sam_48_dd_correction_rms vs run
χ² / ndf 4.926e+04 / 93
p0 2309 ± 1.753
3200
3000
2800
2600
2400
2200
2000
1800

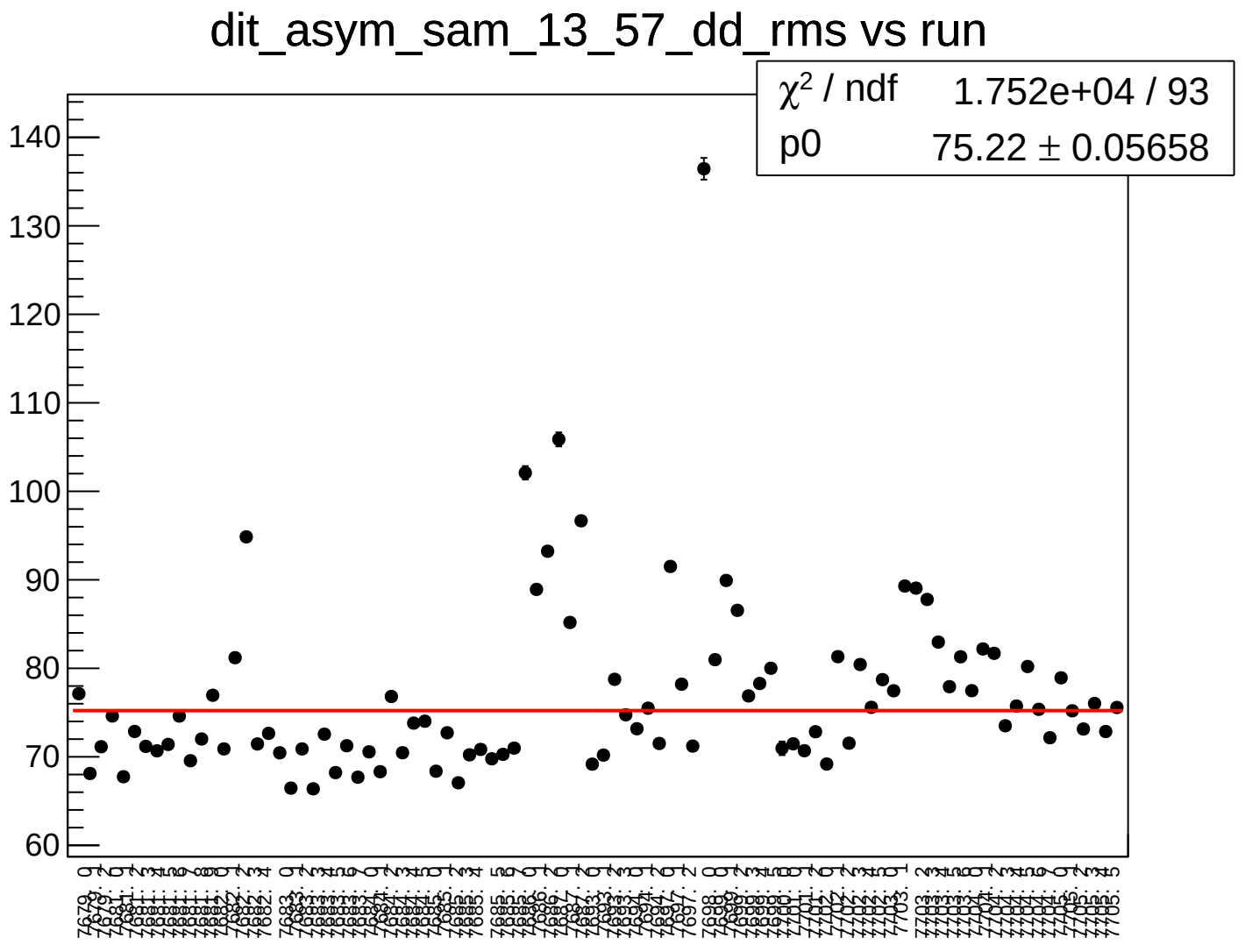

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 83.82 / 93
p0 −770 ± 2490
100
50
0
−50
−100
pull
Entries 94
Mean −149.2
Std Dev 200.1
2
1
0
−1
−2

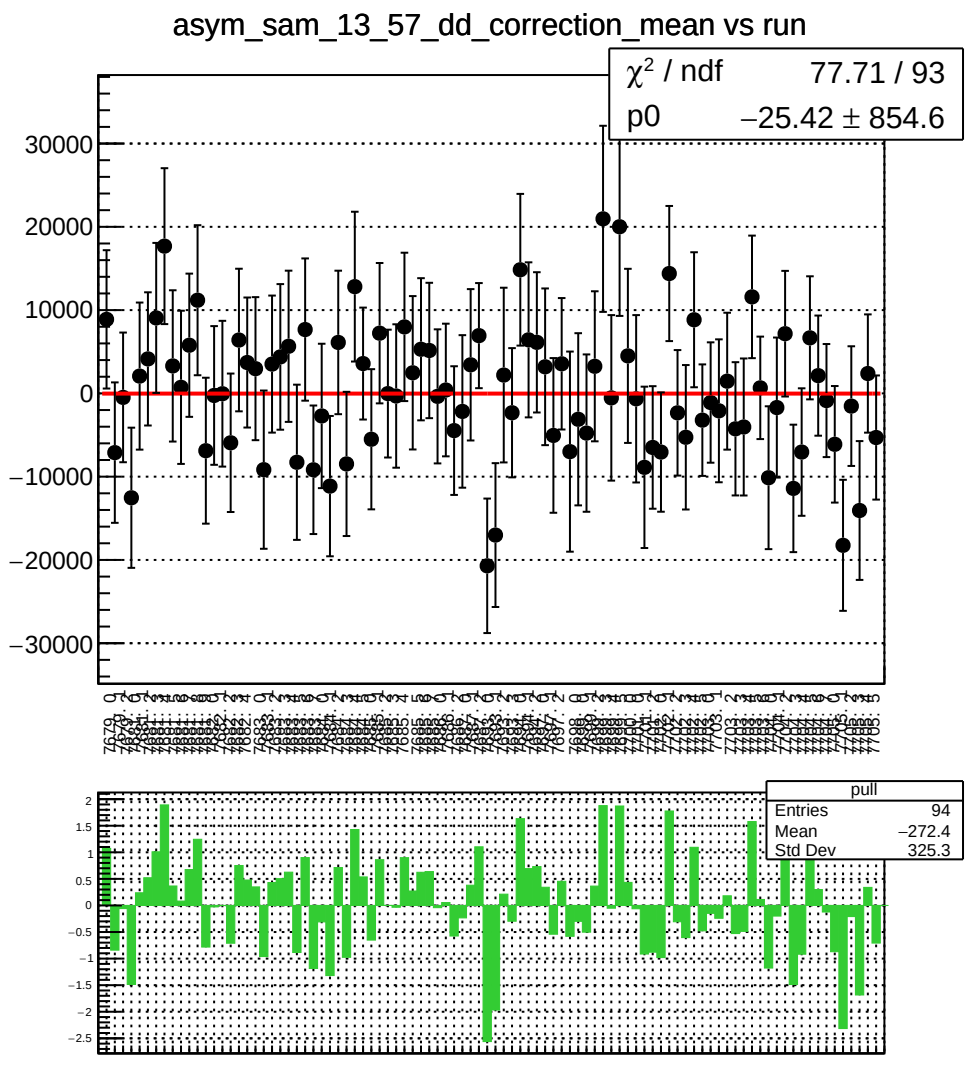

pull1D
Entries 94
Mean −0.03225
Std Dev 0.9437
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

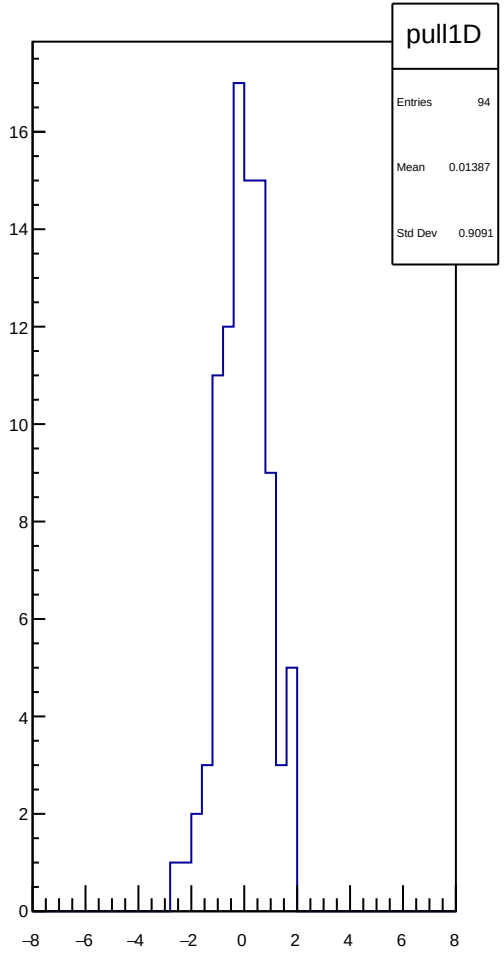

asym_sam_48_dd_rms vs run
χ² / ndf 5.053e+04 / 93
p0 2319 ± 1.761
3400
3200
3000
2800
2600
2400
2200
2000
1800

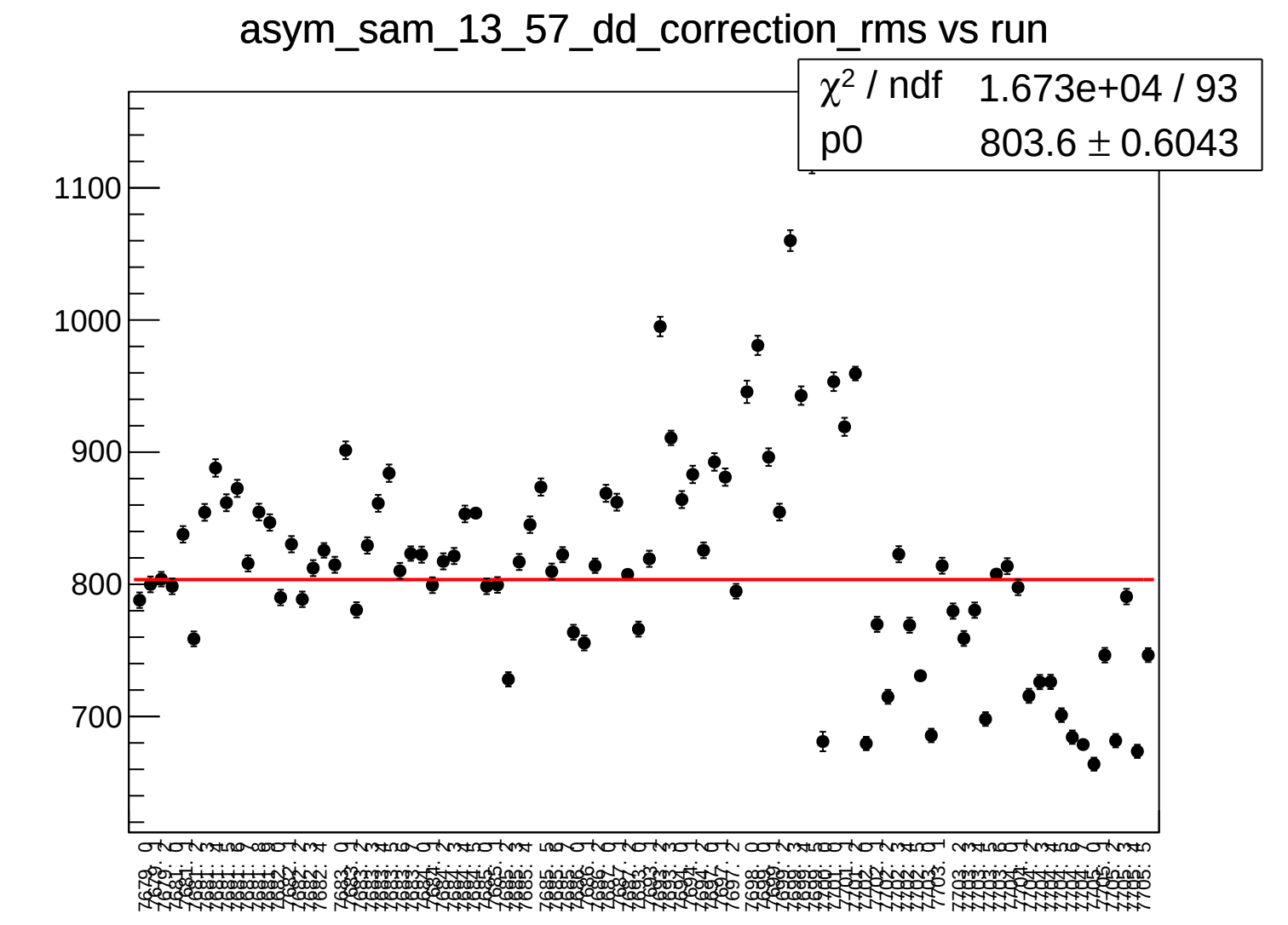

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 91.2 / 93
p0 28.93 ± 80.02
3000
2000
1000
0
−1000
−2000
pull
Entries 94
Mean 93.48
Std Dev 37.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

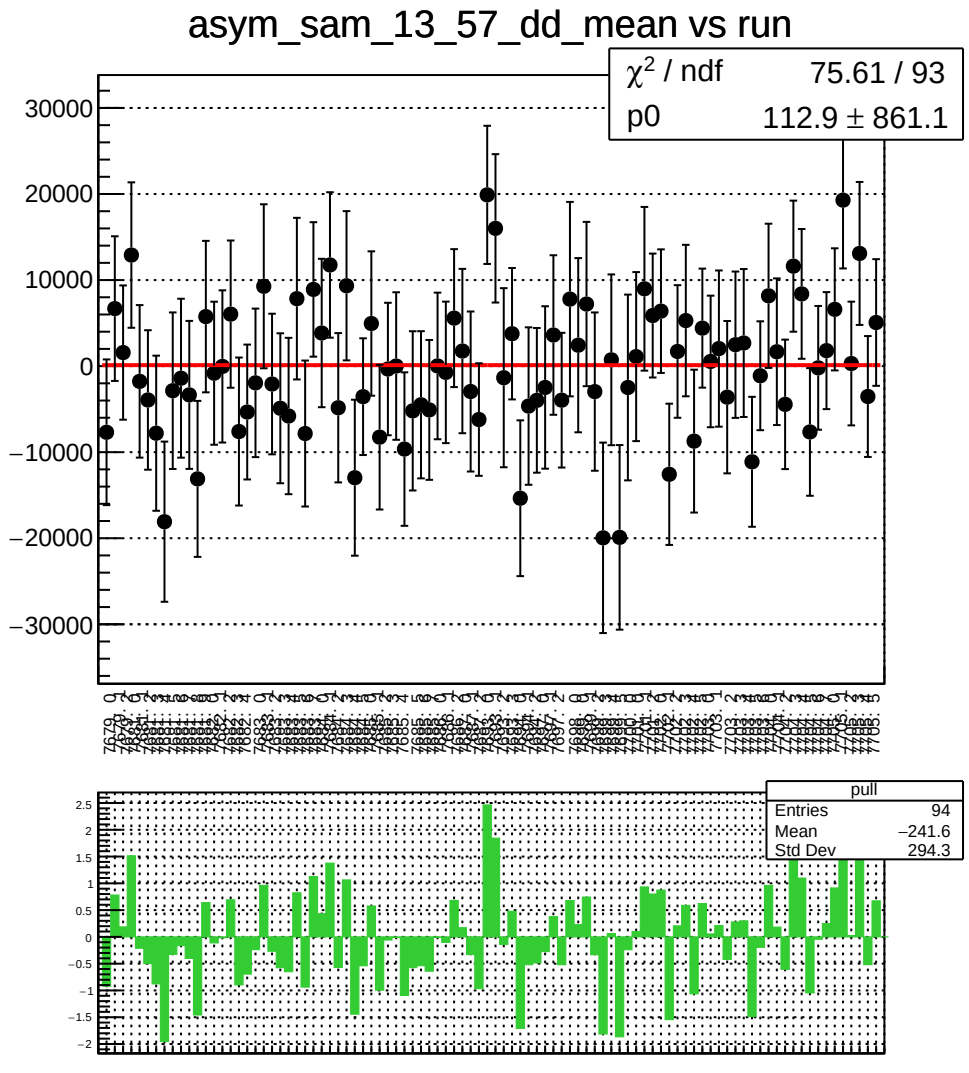

pull1D
Entries 94
Mean 0.01126
Std Dev 0.9849
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

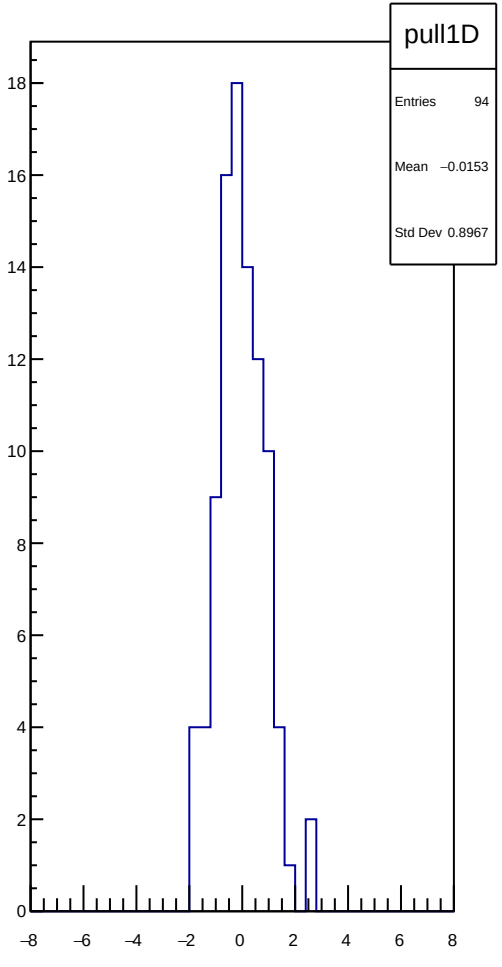

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.752e+04 / 93
p0 75.22 ± 0.05658
140
130
120
110
100
90
80
70
60

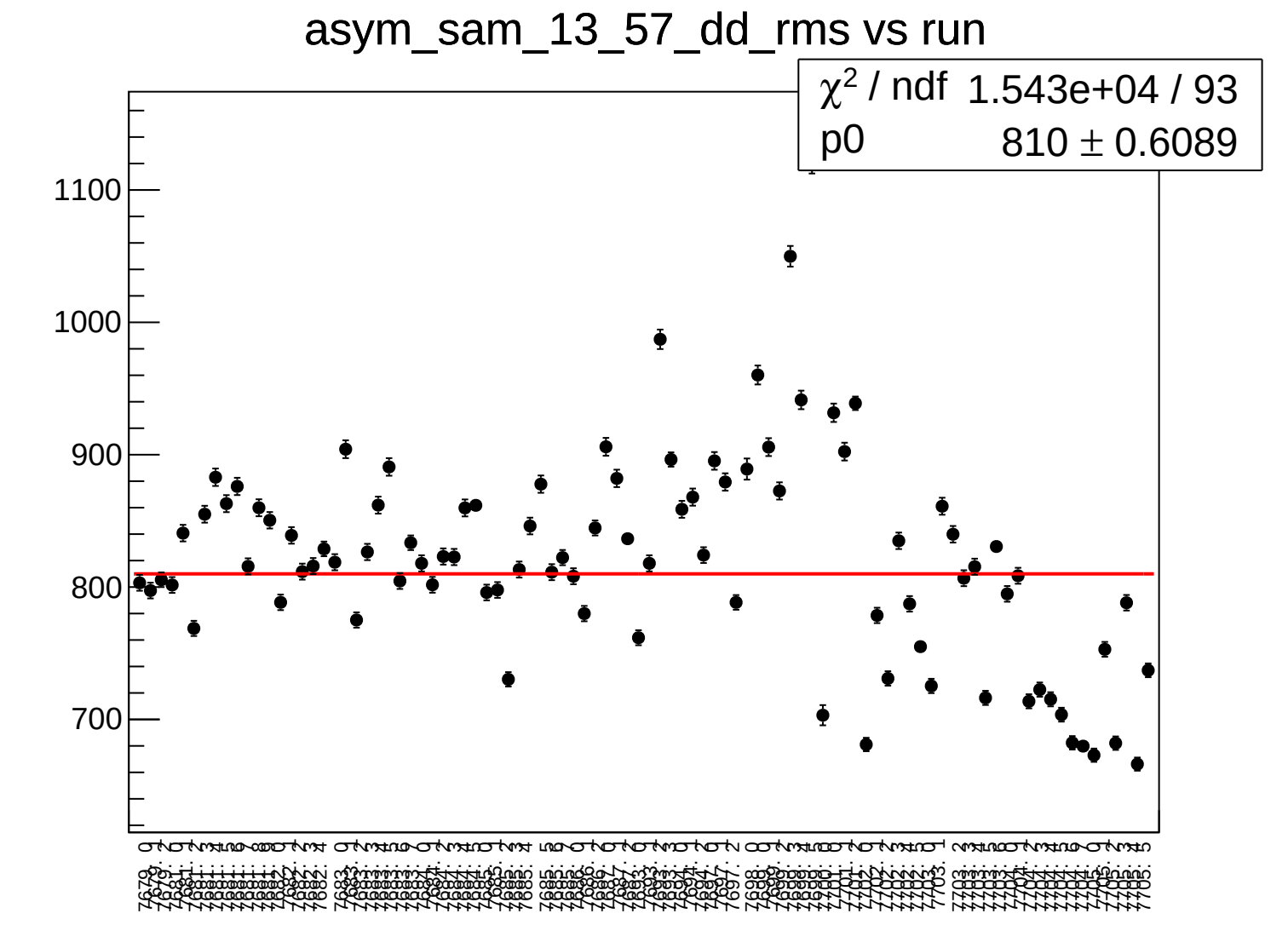

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 77.71 / 93
p0 −25.42 ± 854.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean −272.4
Std Dev 325.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

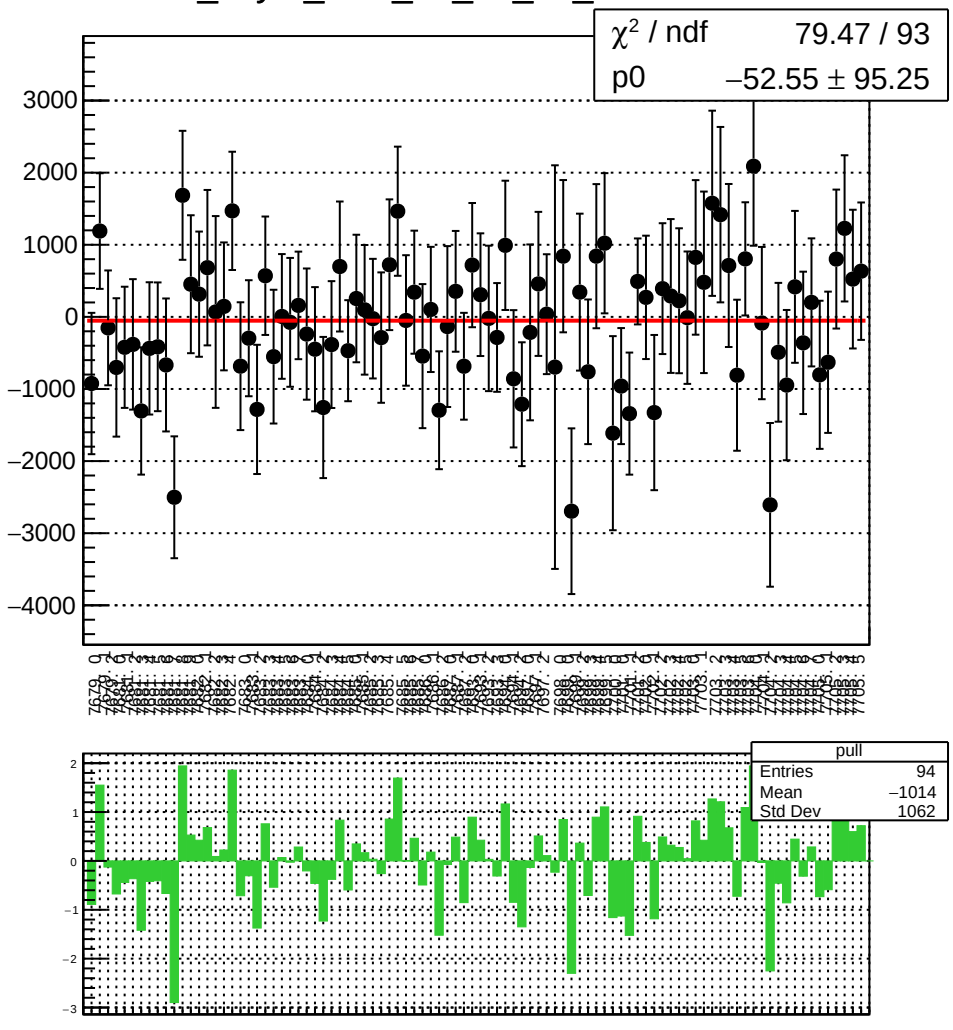

pull1D
Entries 94
Mean 0.01387
Std Dev 0.9091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

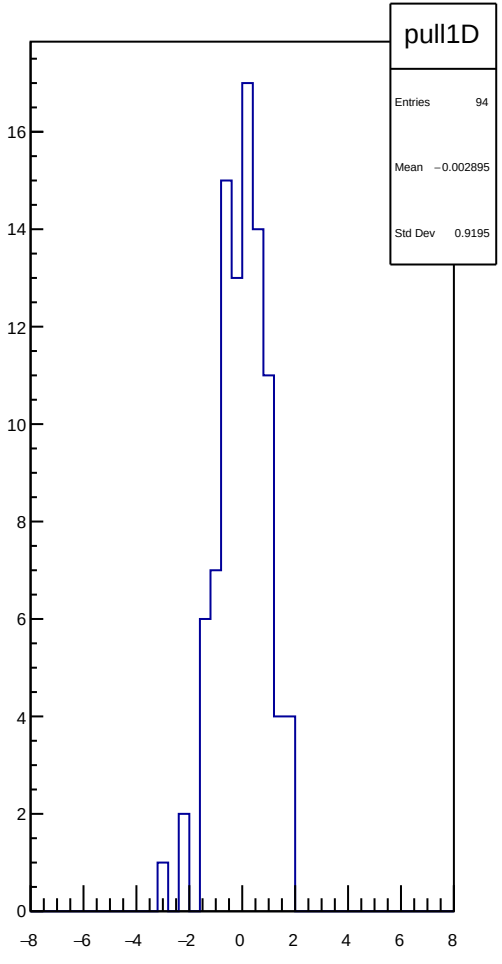

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.673e+04 / 93
p0 803.6 ± 0.6043
1100
1000
900
800
700

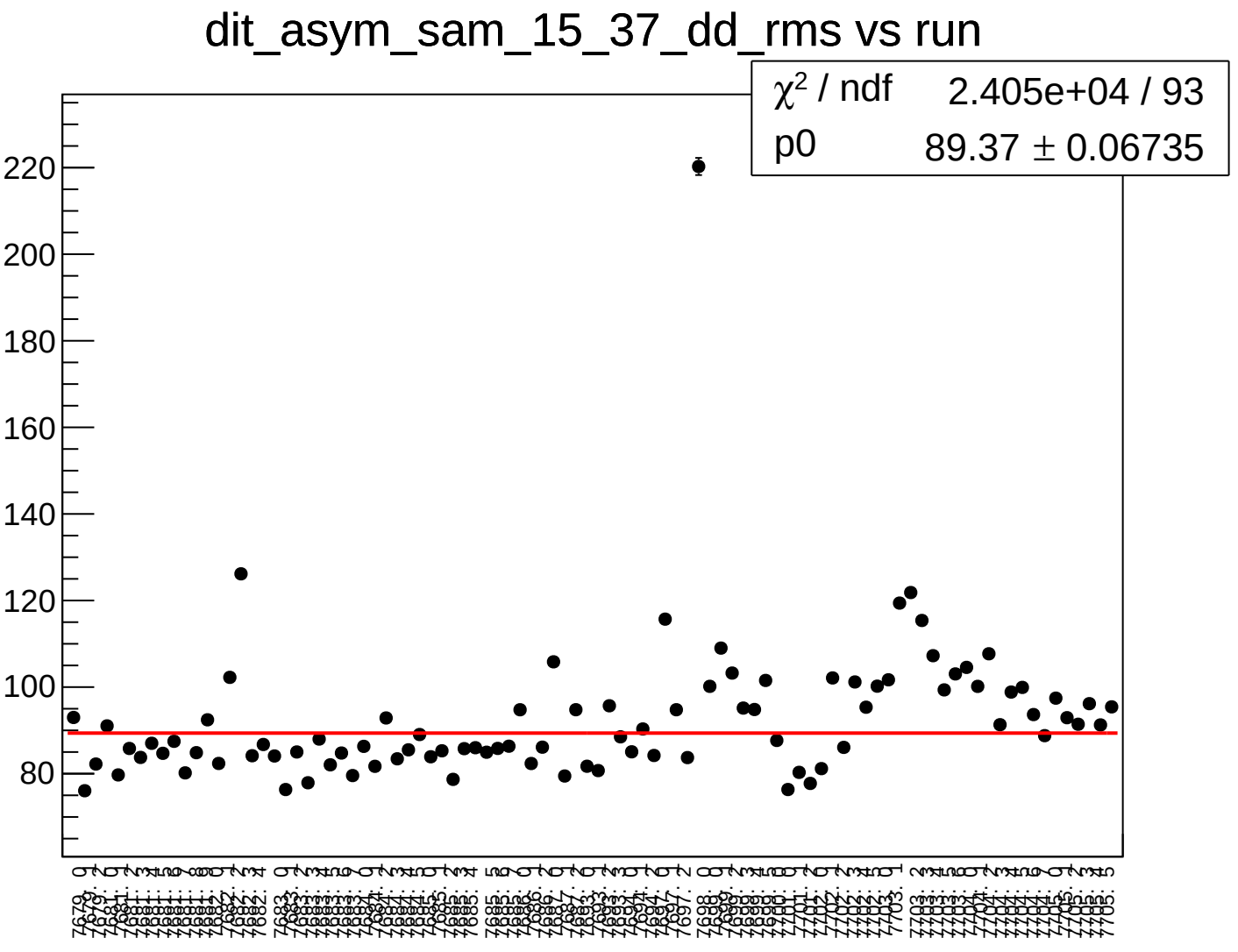

asym_sam_13_57_dd_mean vs run
χ^2 / ndf 75.61 / 93
p0 112.9 ± 861.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean −241.6
Std Dev 294.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

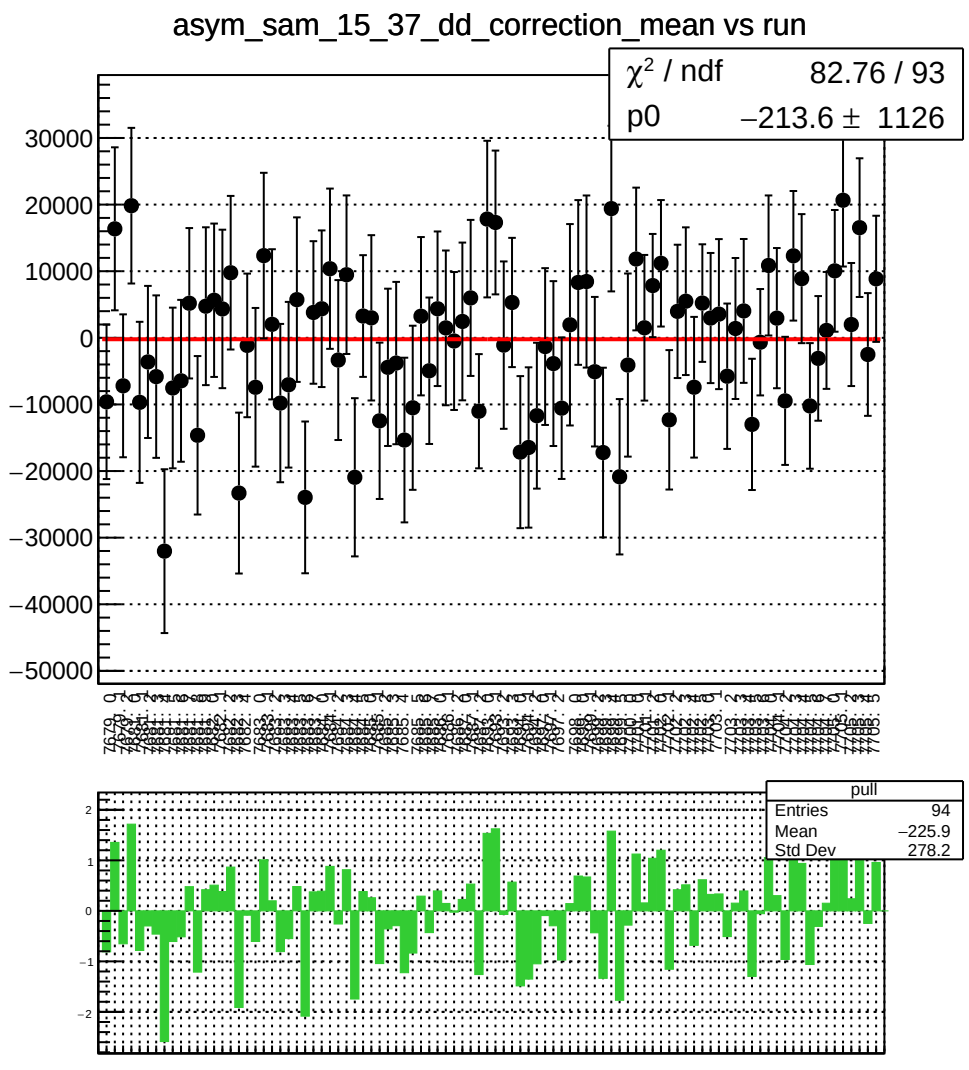

pull1D
Entries 94
Mean −0.0153
Std Dev 0.8967
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

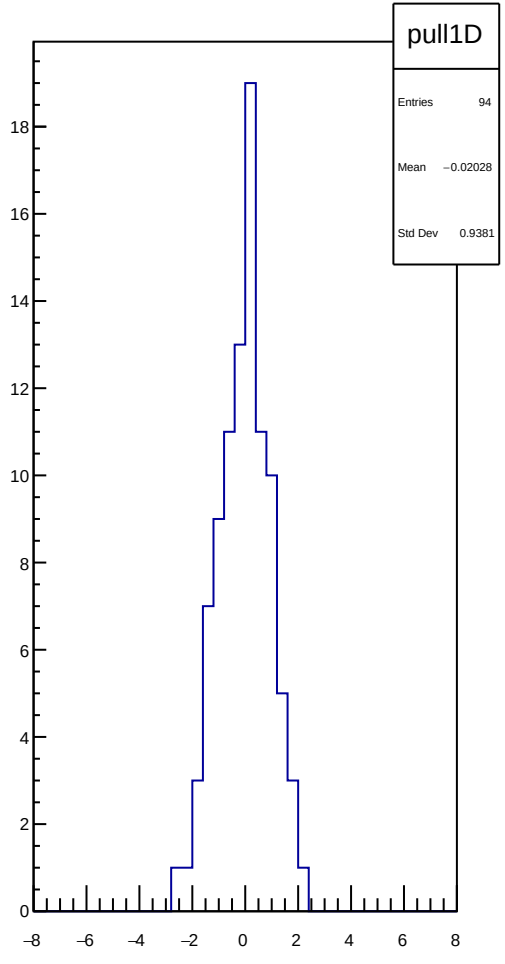

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.543e+04 / 93
p0 810 ± 0.6089
1100
1000
900
800
700

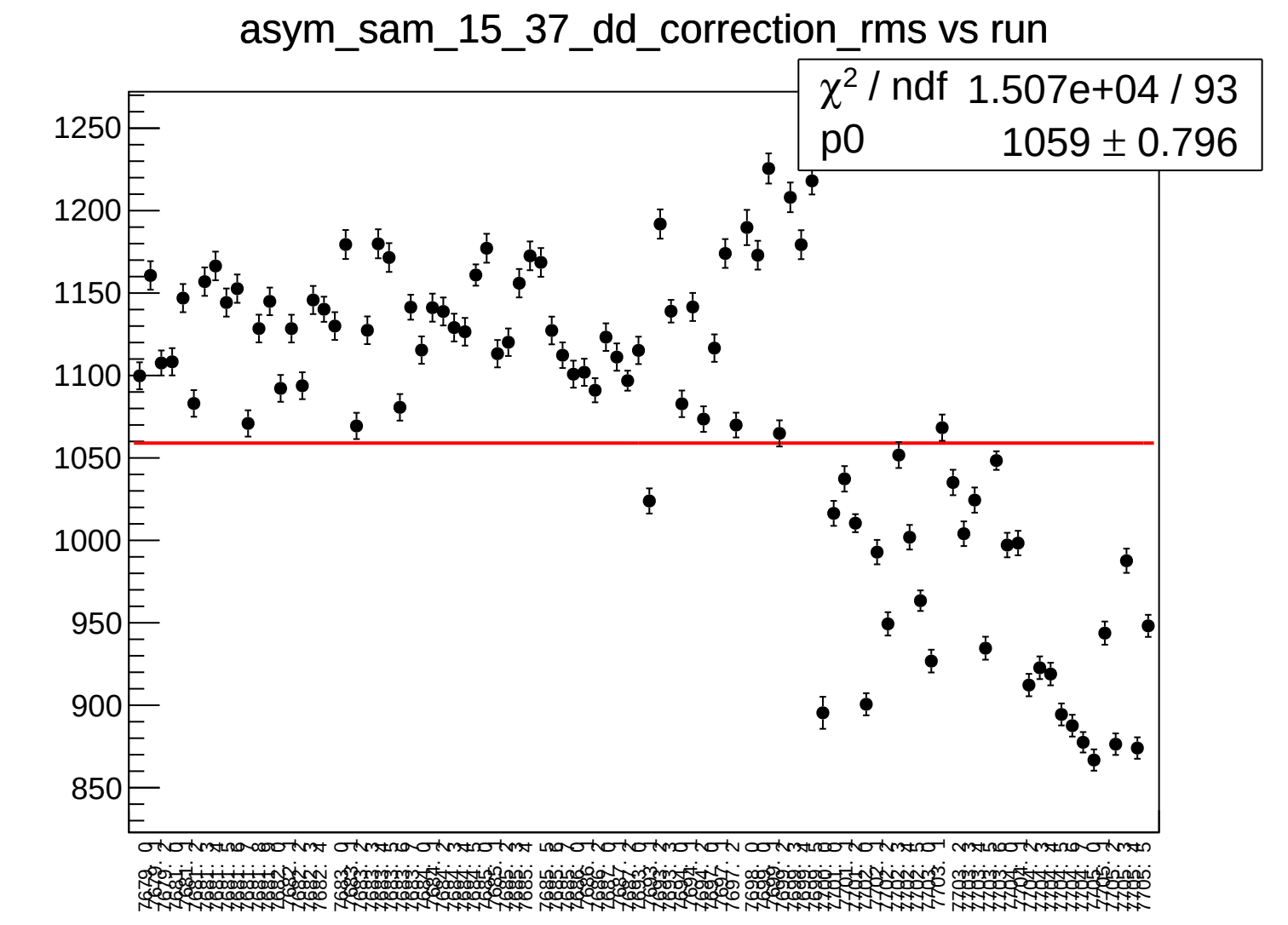

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.47 / 93
p0 −52.55 ± 95.25
pull
Entries 94
Mean −1014
Std Dev 1062

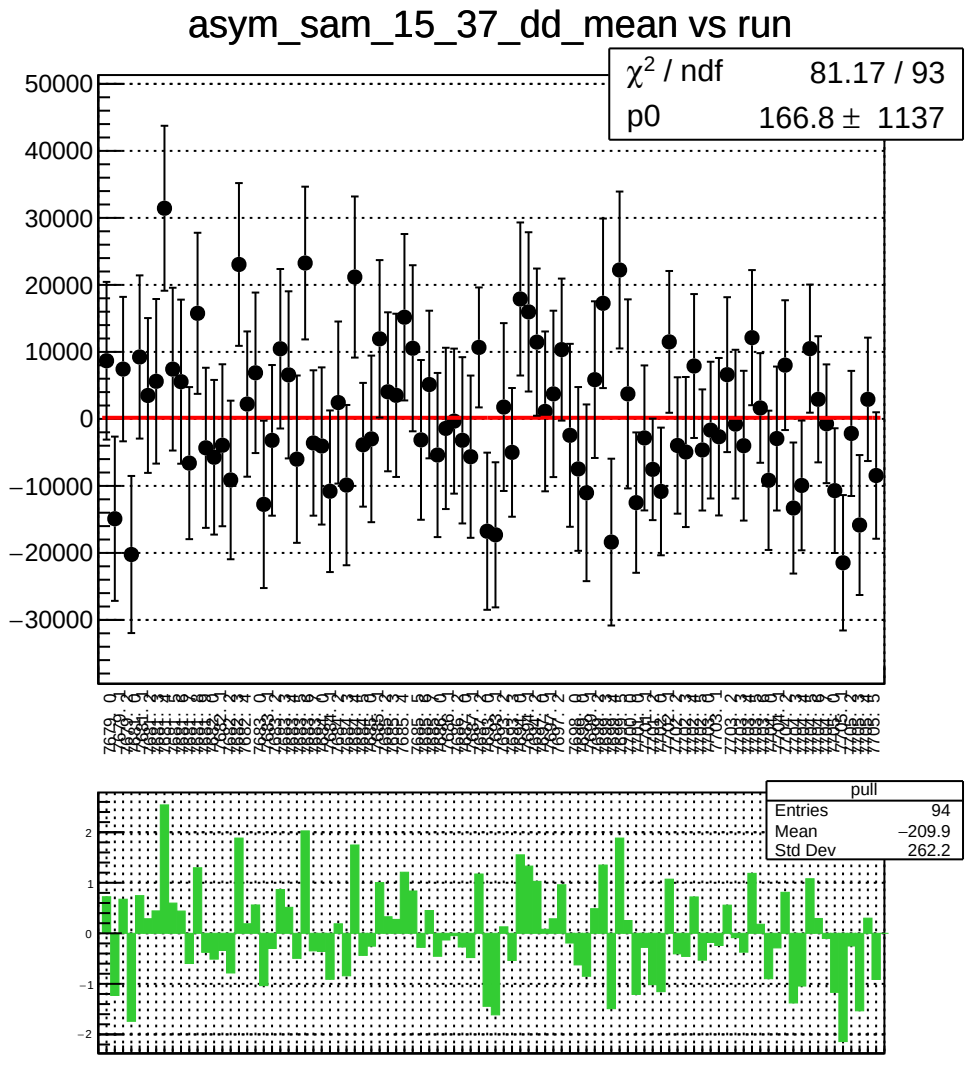

pull1D
Entries 94
Mean −0.002895
Std Dev 0.9195

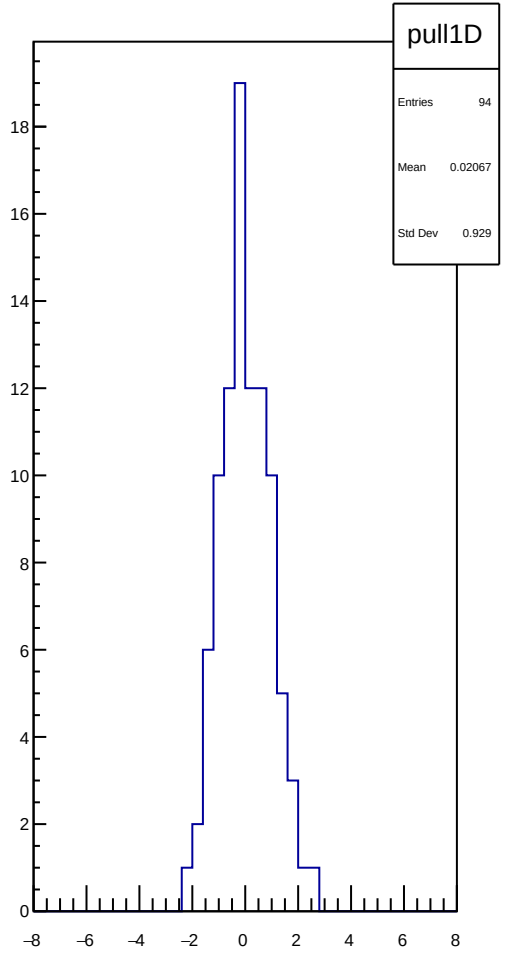

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.405e+04 / 93
p0 89.37 ± 0.06735
220
200
180
160
140
120
100
80

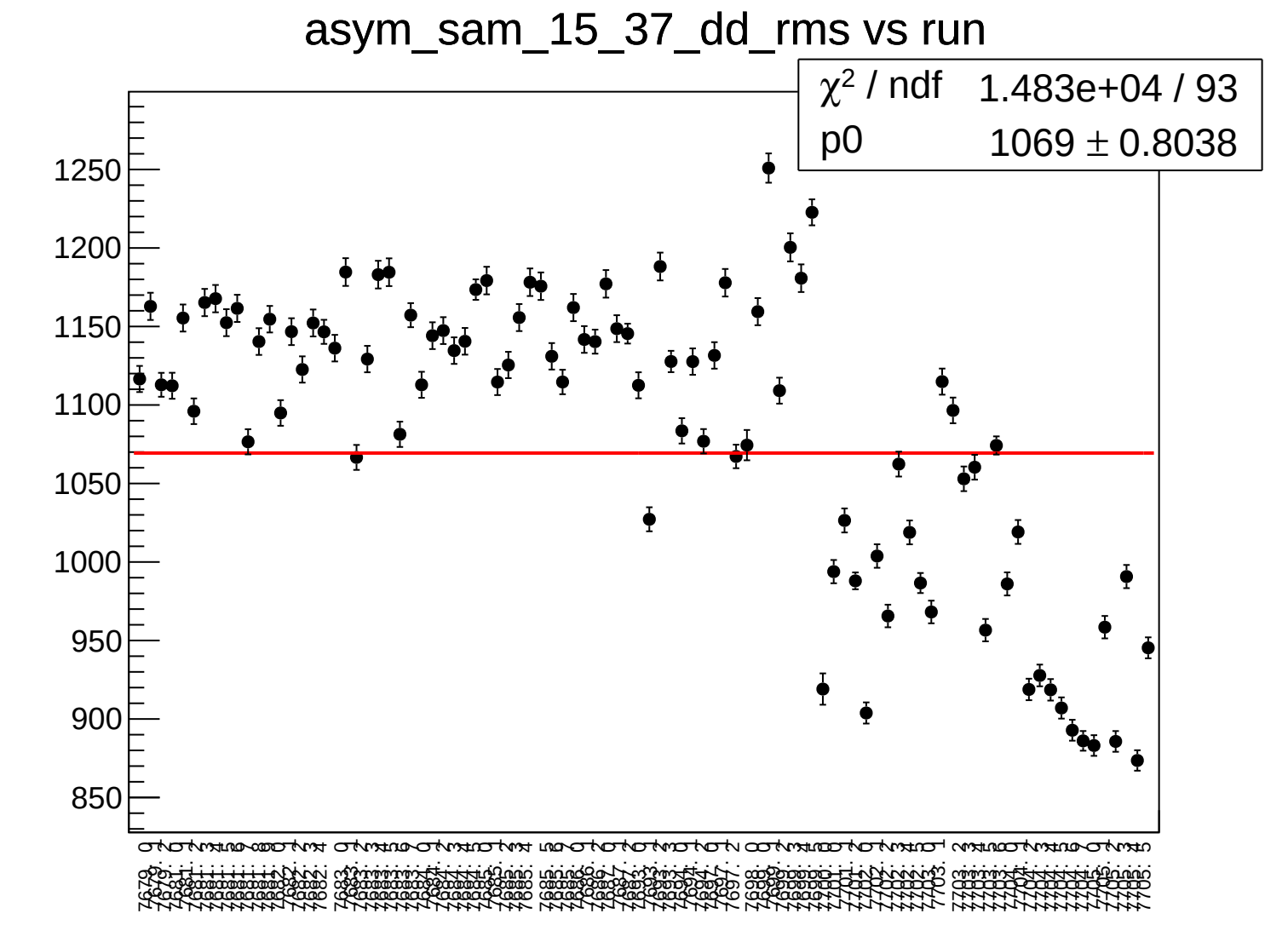

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 82.76 / 93
p0 −213.6 ± 1126
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 94
Mean −225.9
Std Dev 278.2
2
1
0
−1
−2

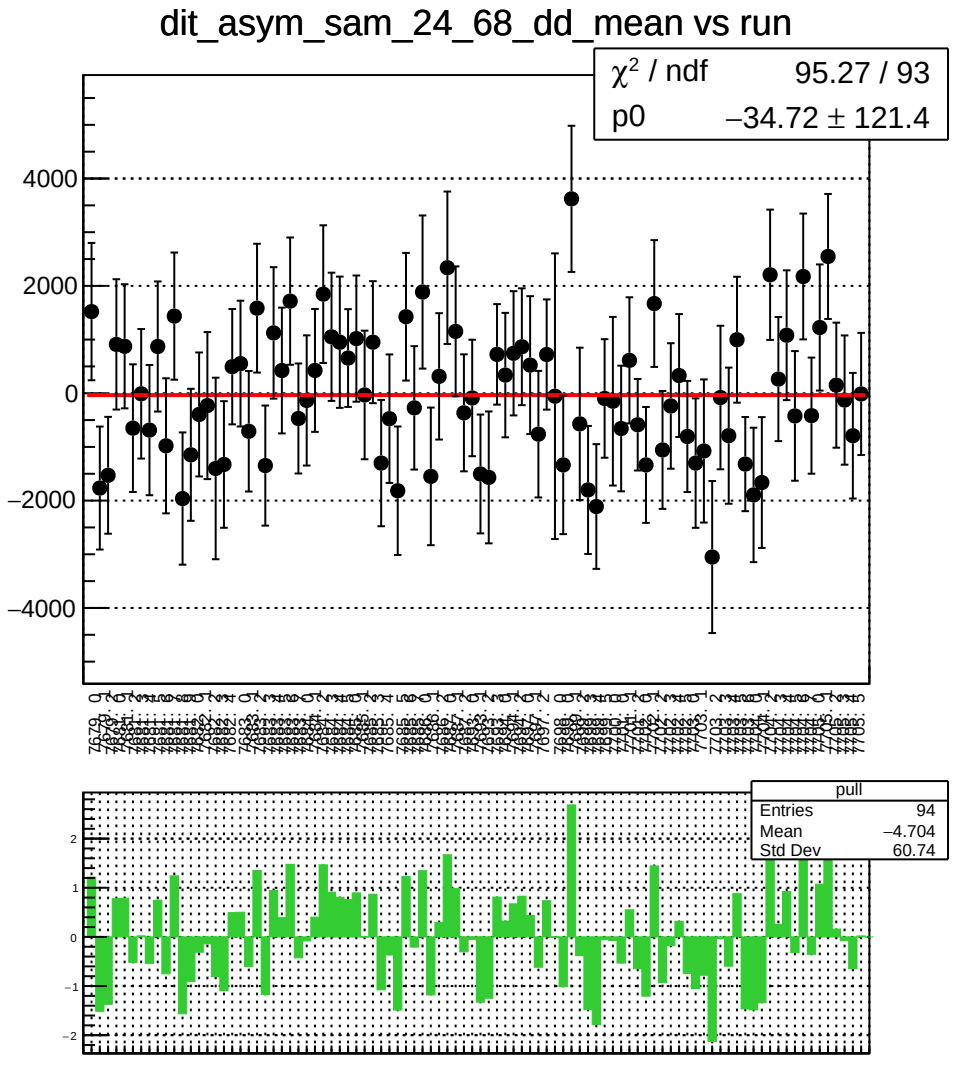

pull1D
Entries 94
Mean −0.02028
Std Dev 0.9381
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

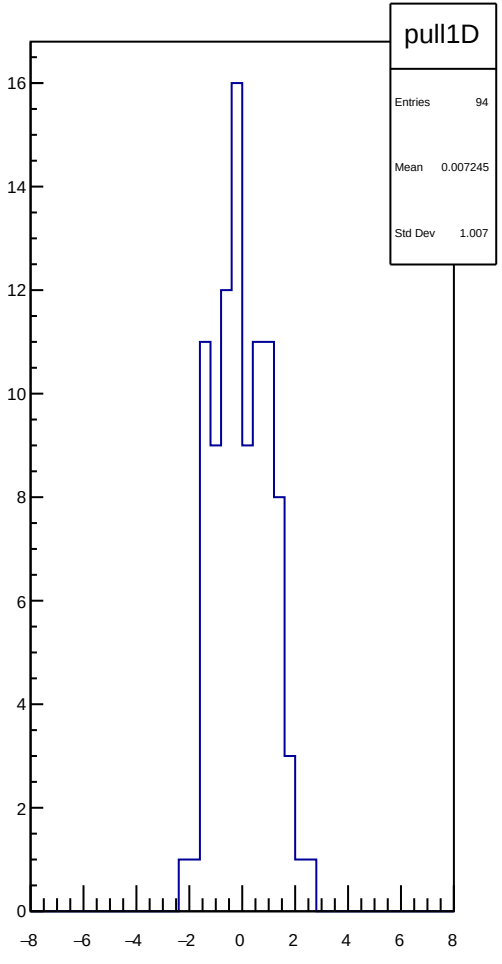

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.507e+04 / 93
p0 1059 ± 0.796
1250
1200
1150
1100
1050
1000
950
900
850

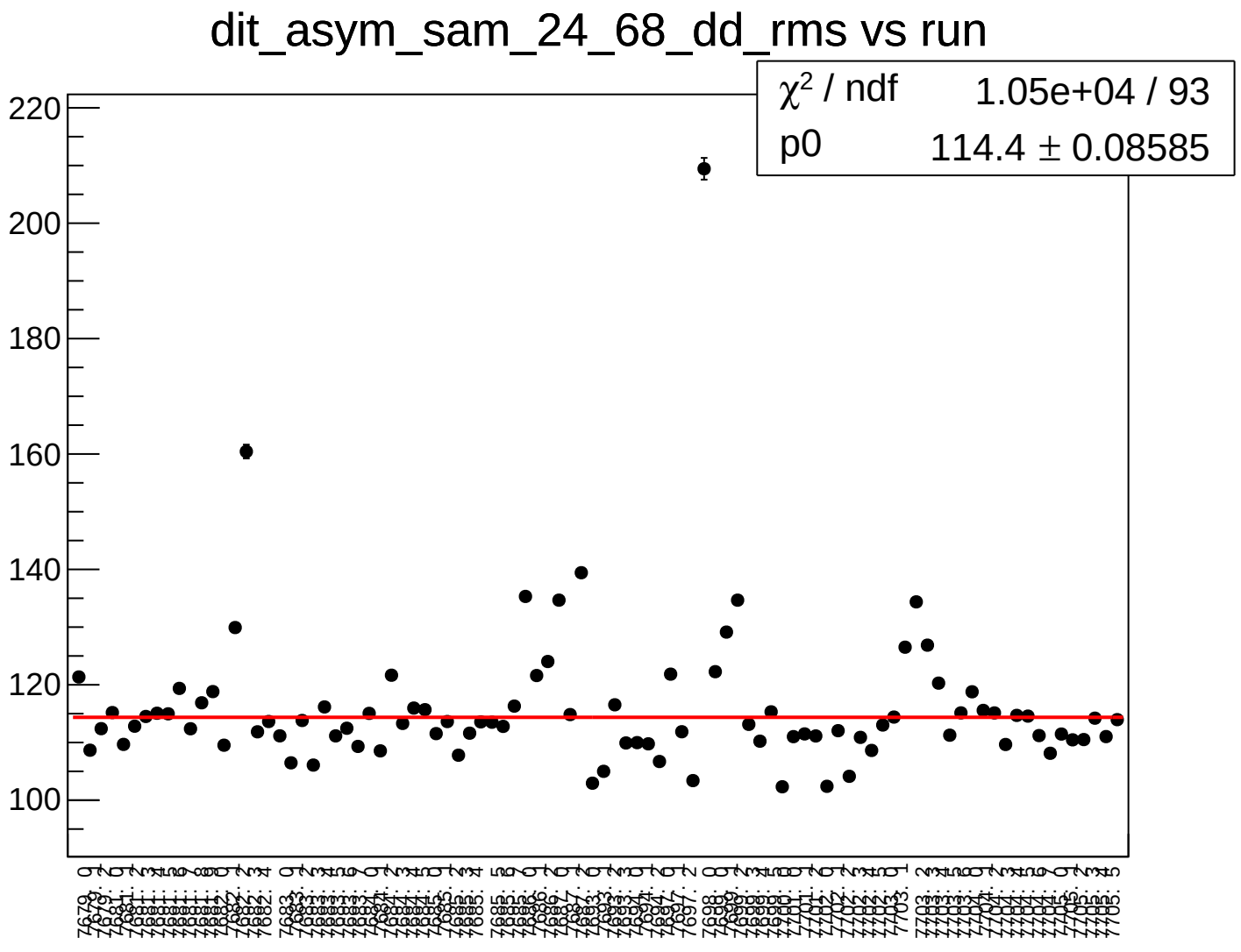

asym_sam_15_37_dd_mean vs run
χ² / ndf 81.17 / 93
p0 166.8 ± 1137
pull
Entries 94
Mean −209.9
Std Dev 262.2

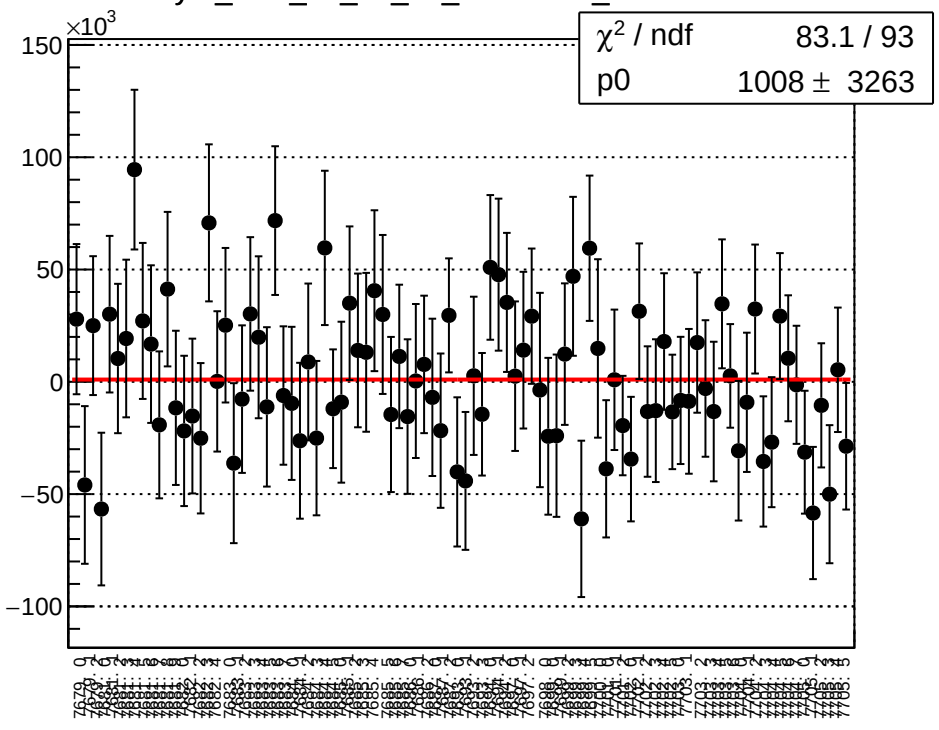

pull1D
Entries 94
Mean 0.02067
Std Dev 0.929

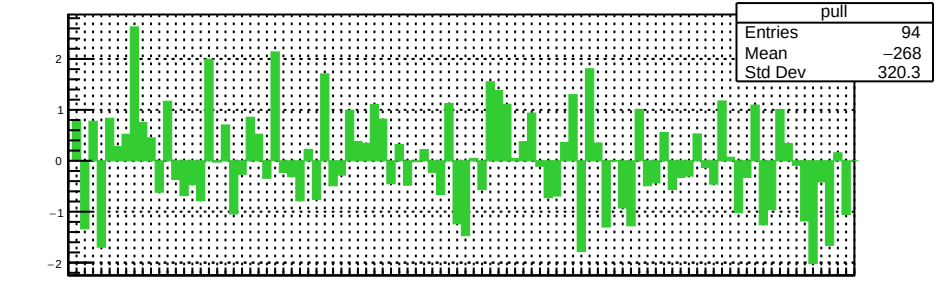

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.483e+04 / 93
p0 1069 ± 0.8038
1250
1200
1150
1100
1050
1000
950
900
850

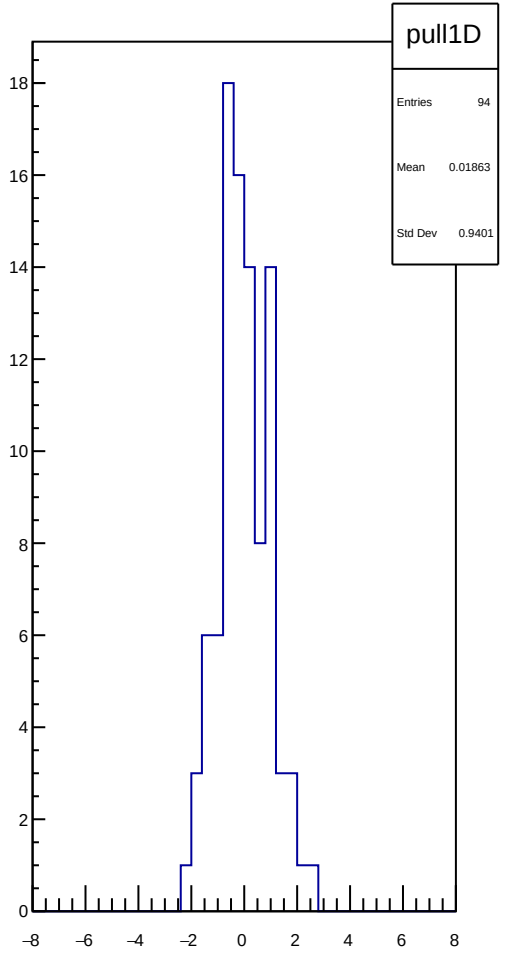

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 95.27 / 93
p0 −34.72 ± 121.4
4000
2000
0
−2000
−4000
pull
Entries 94
Mean −4.704
Std Dev 60.74
2
1
0
−1
−2

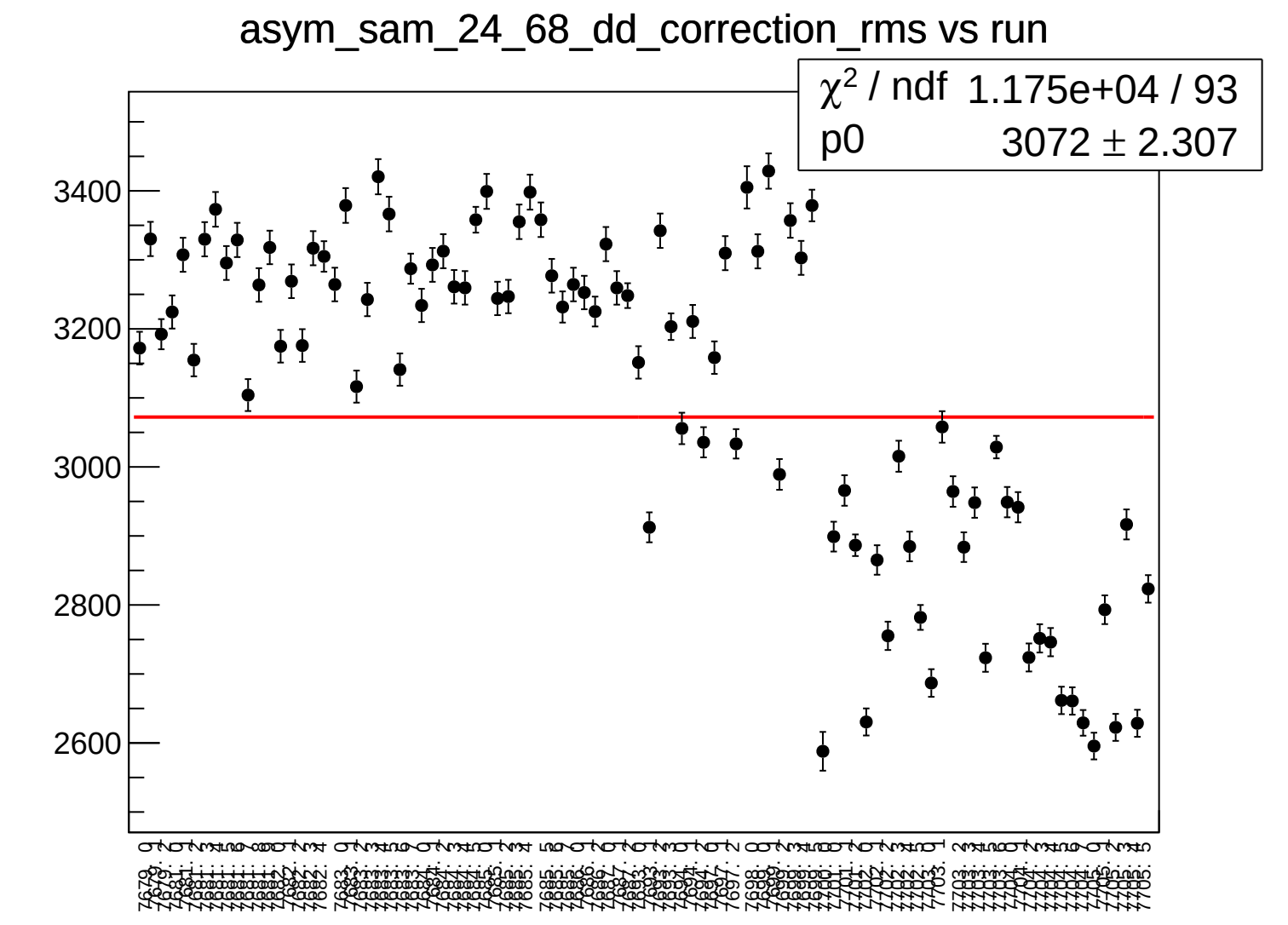

pull1D
Entries 94
Mean 0.007245
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

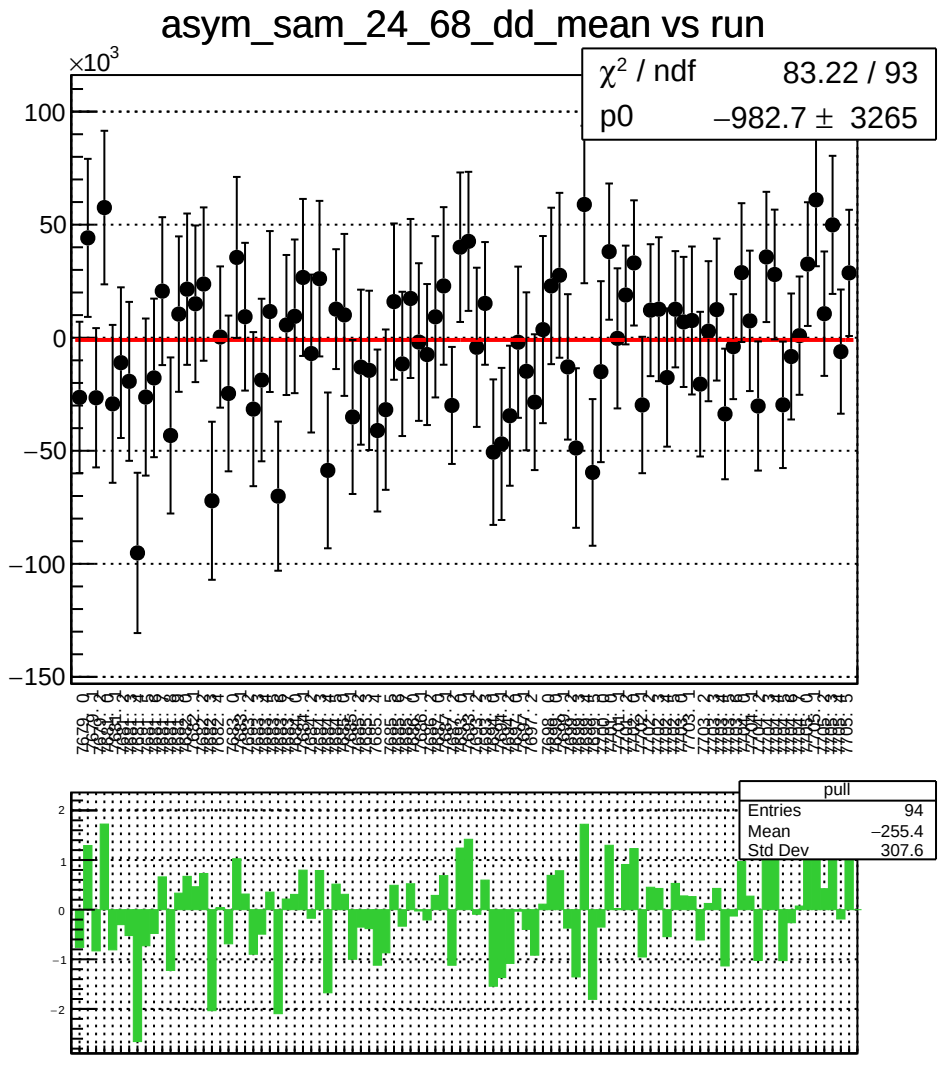

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.05e+04 / 93
p0 114.4 ± 0.08585
220
200
180
160
140
120
100

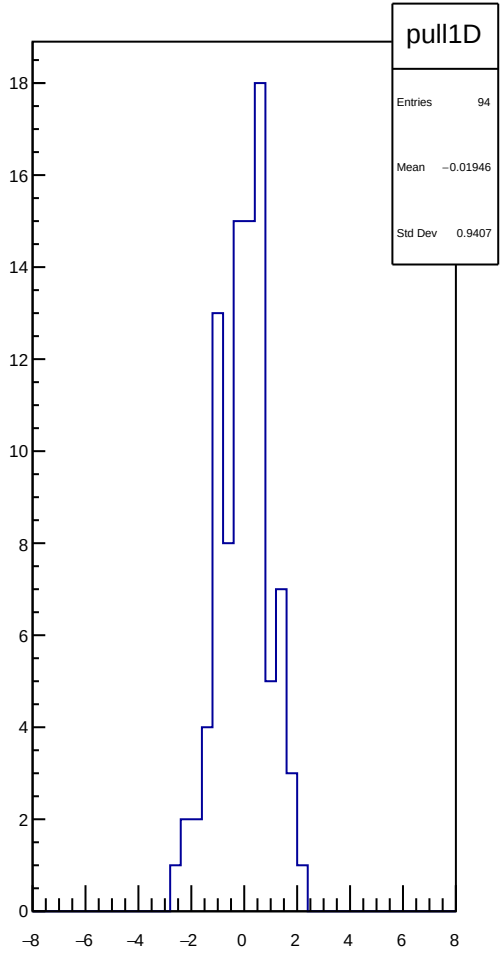

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 83.1 / 93
p0 1008 ± 3263
150
100
50
0
−50
−100

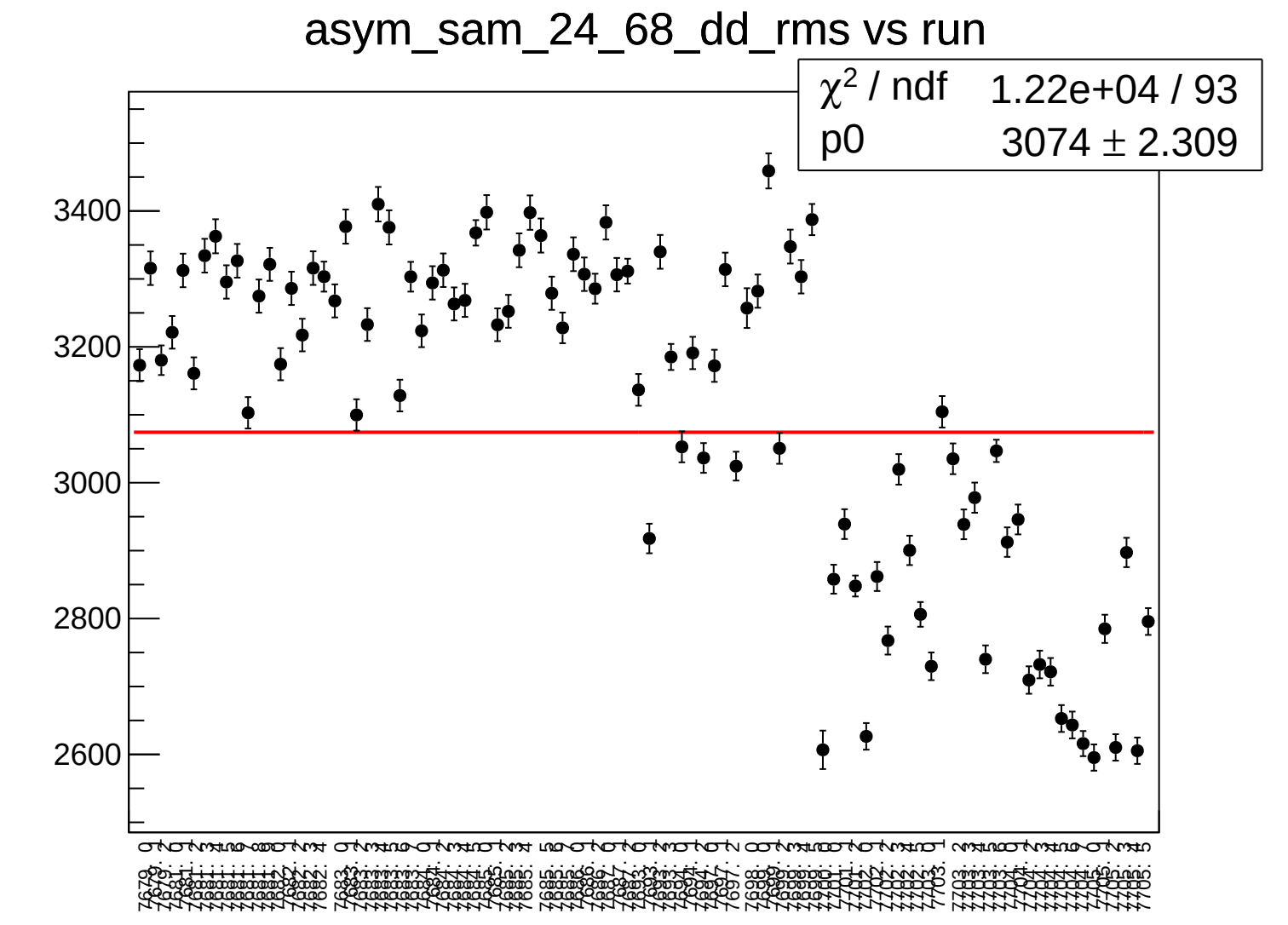

pull
Entries 94
Mean −268
Std Dev 320.3
2
1
0
−1
−2

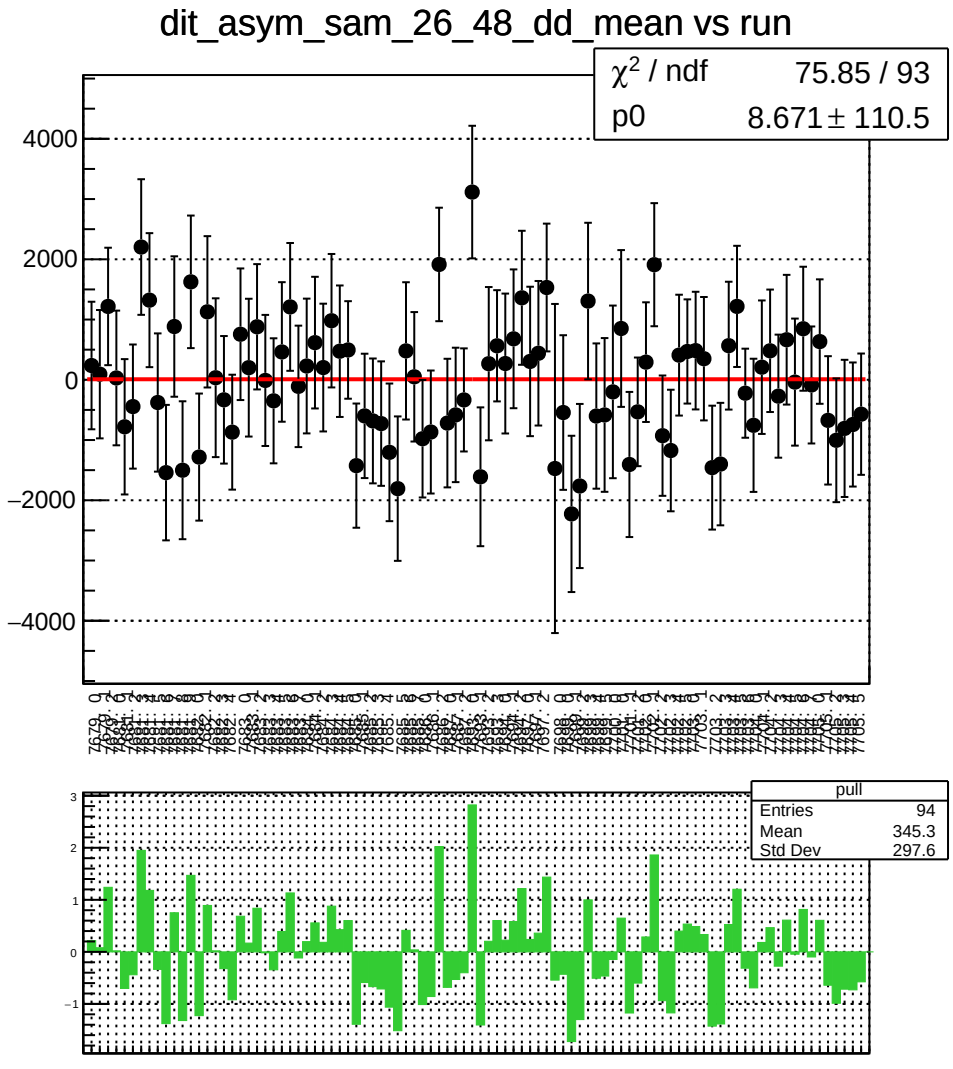

pull1D
Entries 94
Mean 0.01863
Std Dev 0.9401
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

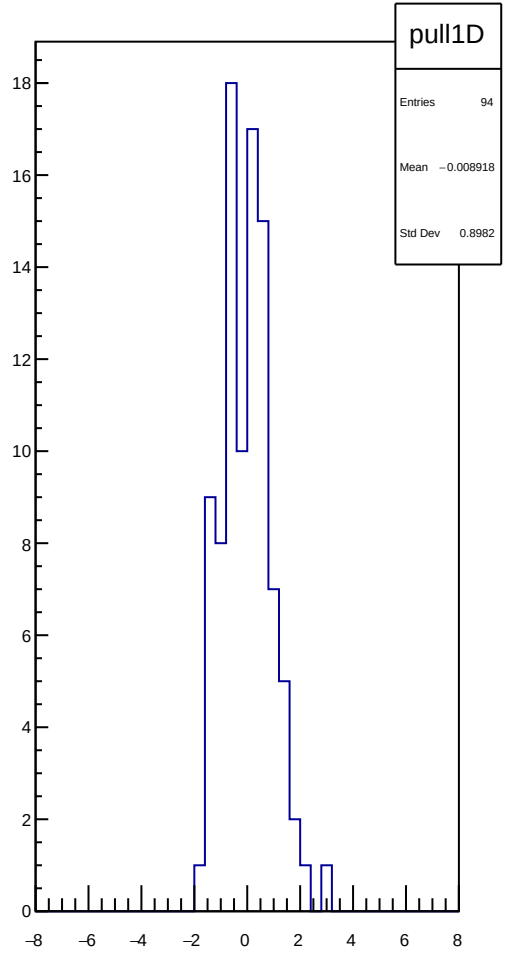

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.175e+04 / 93
p0 3072 ± 2.307
3400
3200
3000
2800
2600

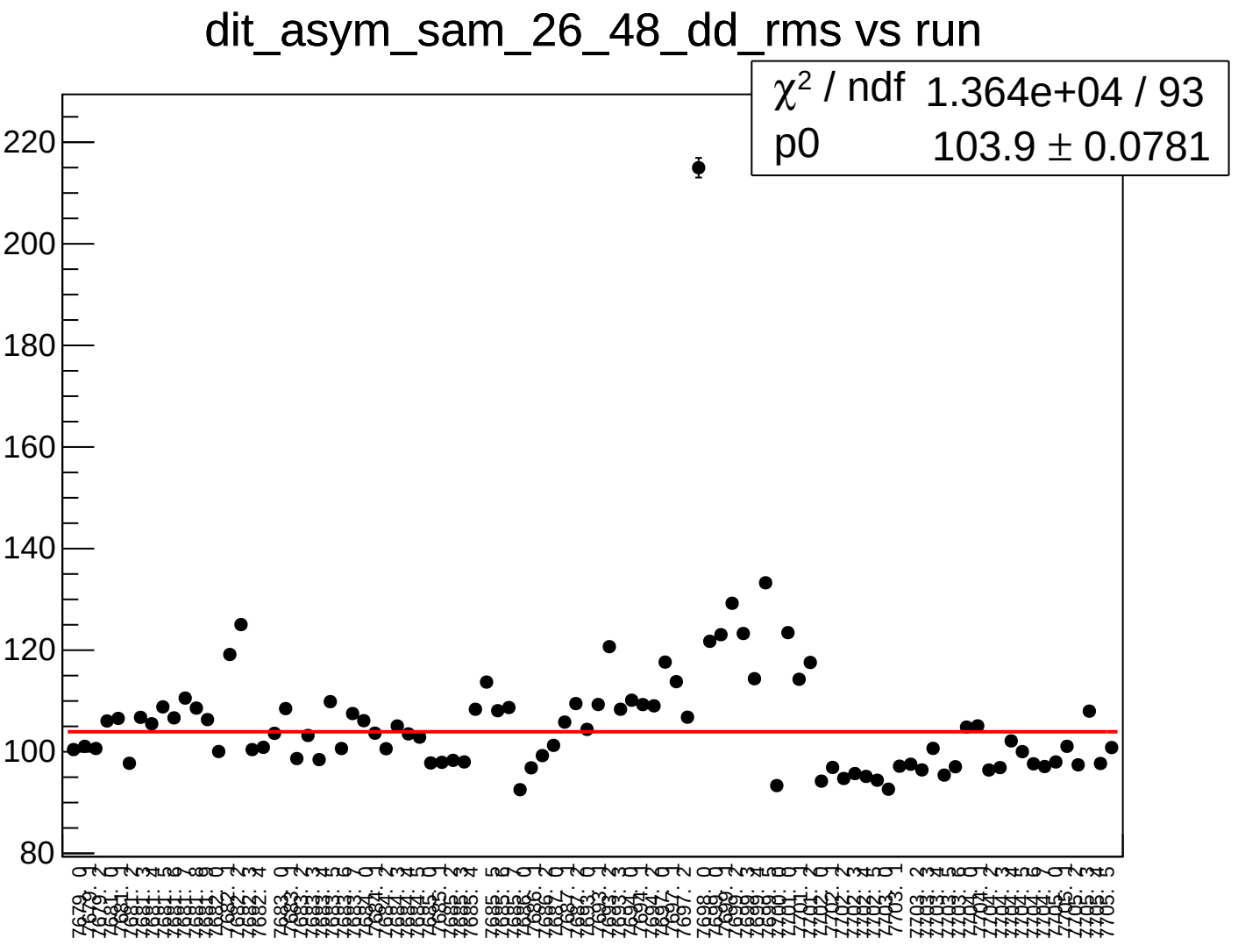

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 83.22 / 93
p0 −982.7 ± 3265
100
50
0
−50
−100
−150
pull
Entries 94
Mean −255.4
Std Dev 307.6
2
1
0
−1
−2

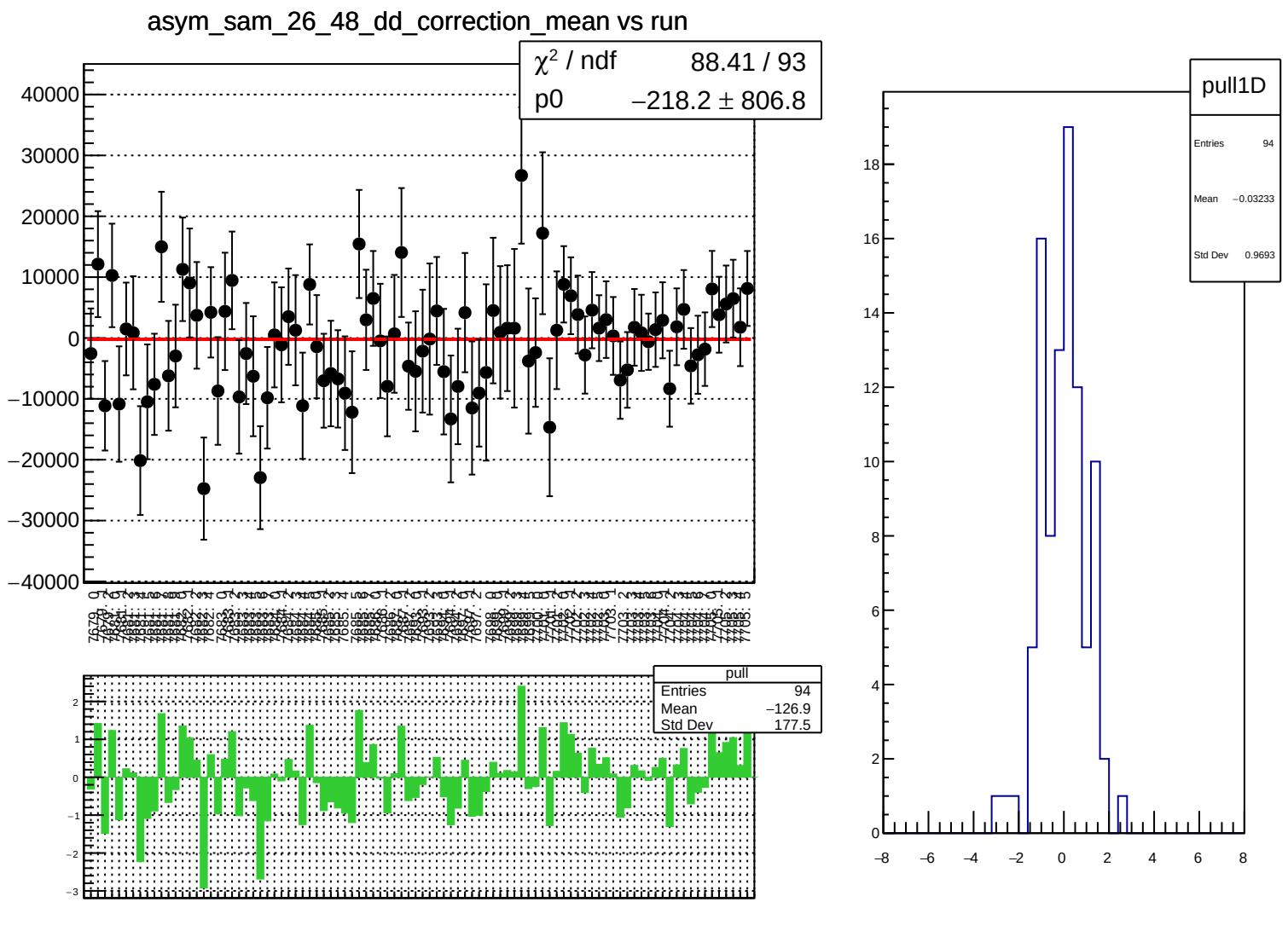

pull1D
Entries 94
Mean −0.01946
Std Dev 0.9407
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

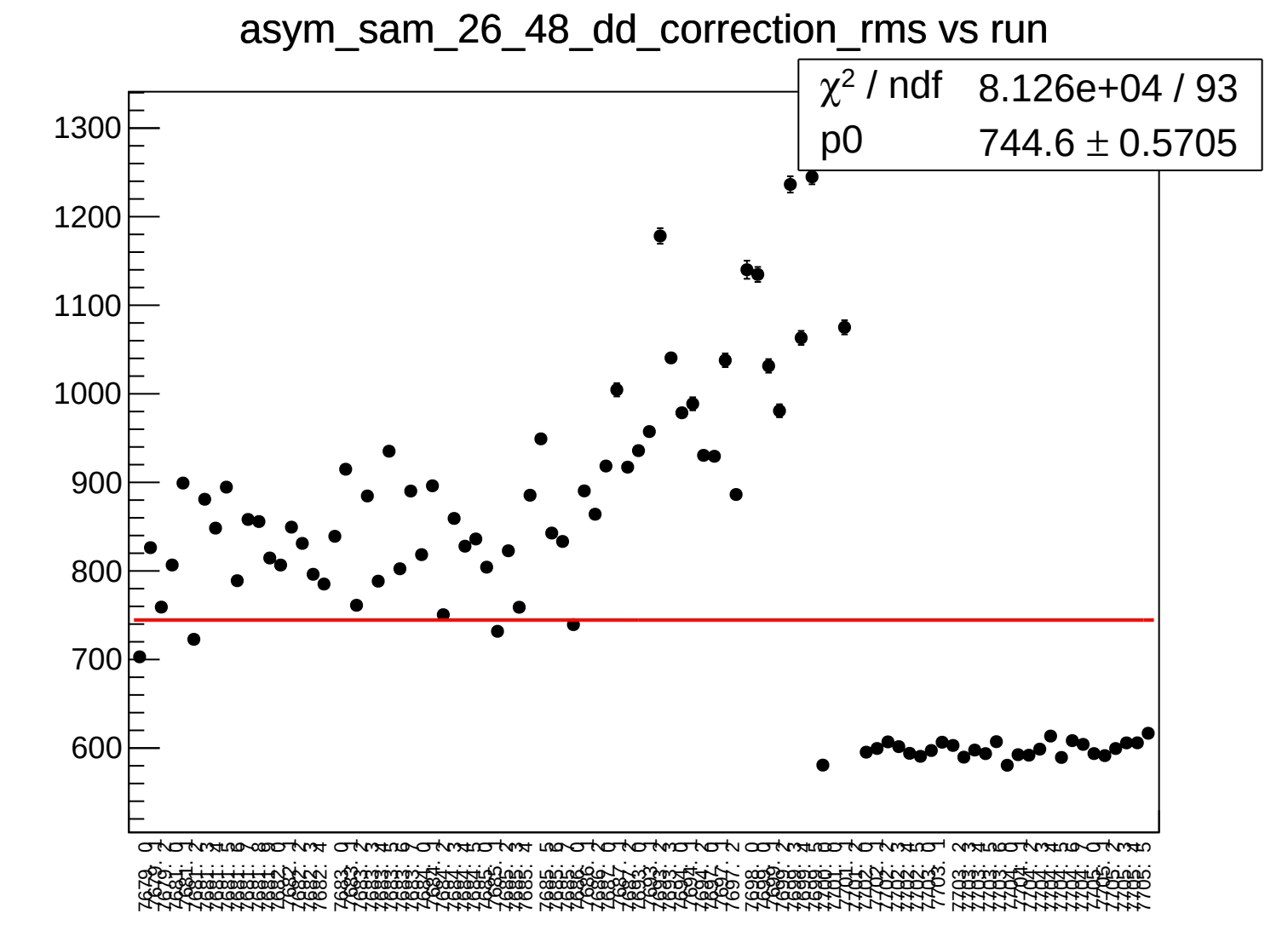

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.22e+04 / 93
p0 3074 ± 2.309
3400
3200
3000
2800
2600

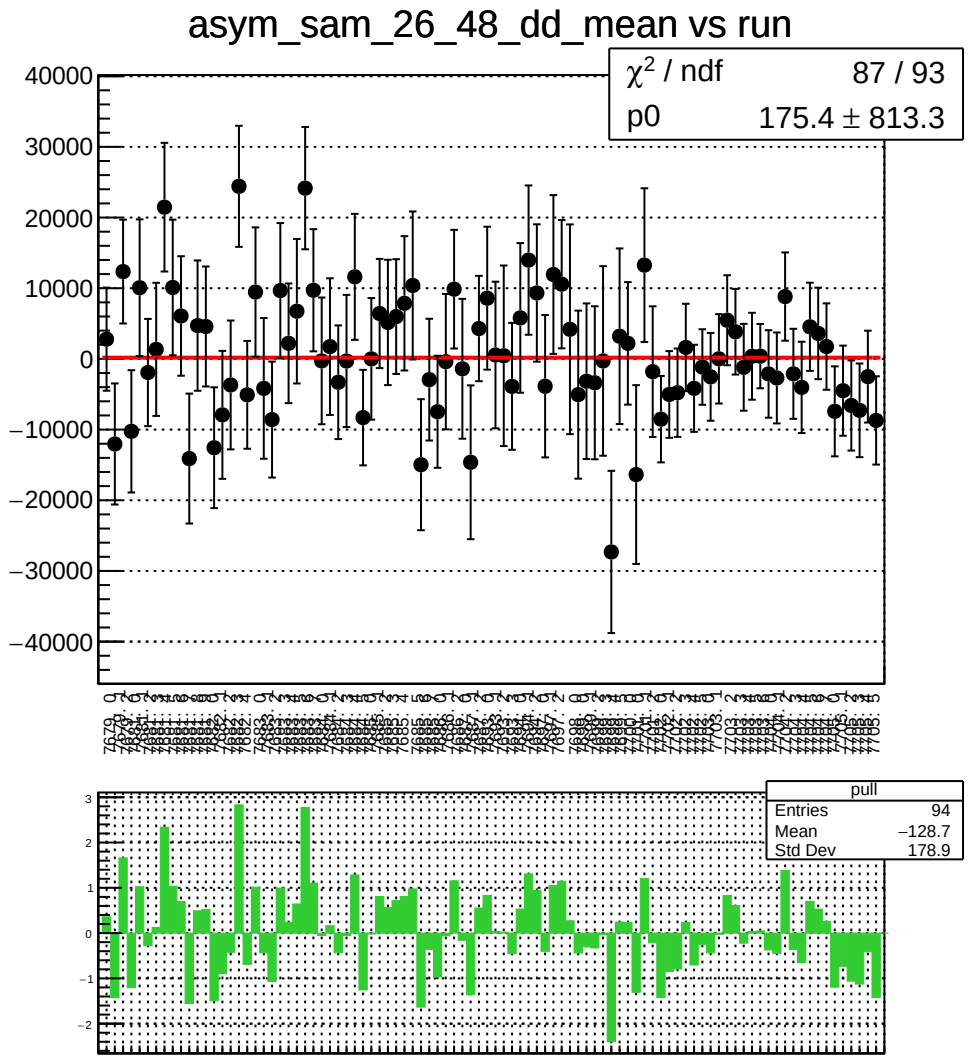

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 75.85 / 93
p0 8.671 ± 110.5
4000
2000
0
−2000
−4000
pull
Entries 94
Mean 345.3
Std Dev 297.6
3
2
1
0
−1

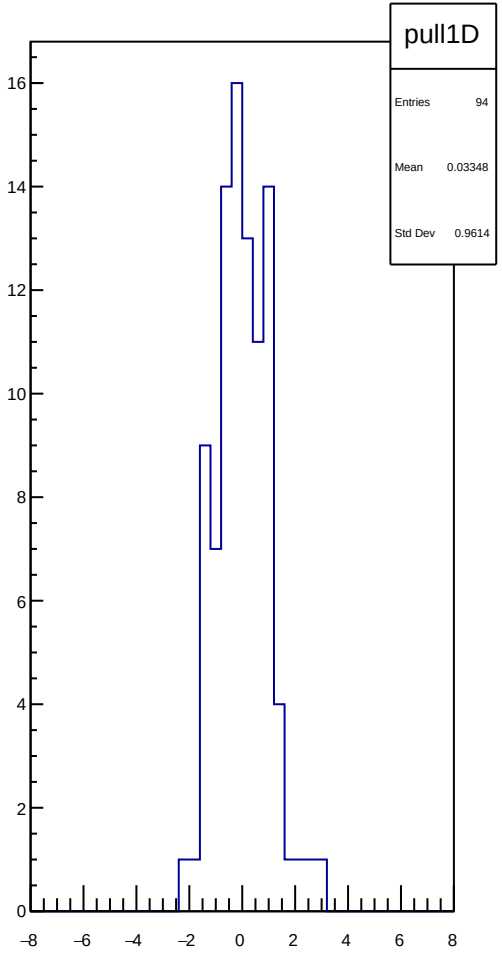

pull1D
Entries 94
Mean −0.008918
Std Dev 0.8982
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

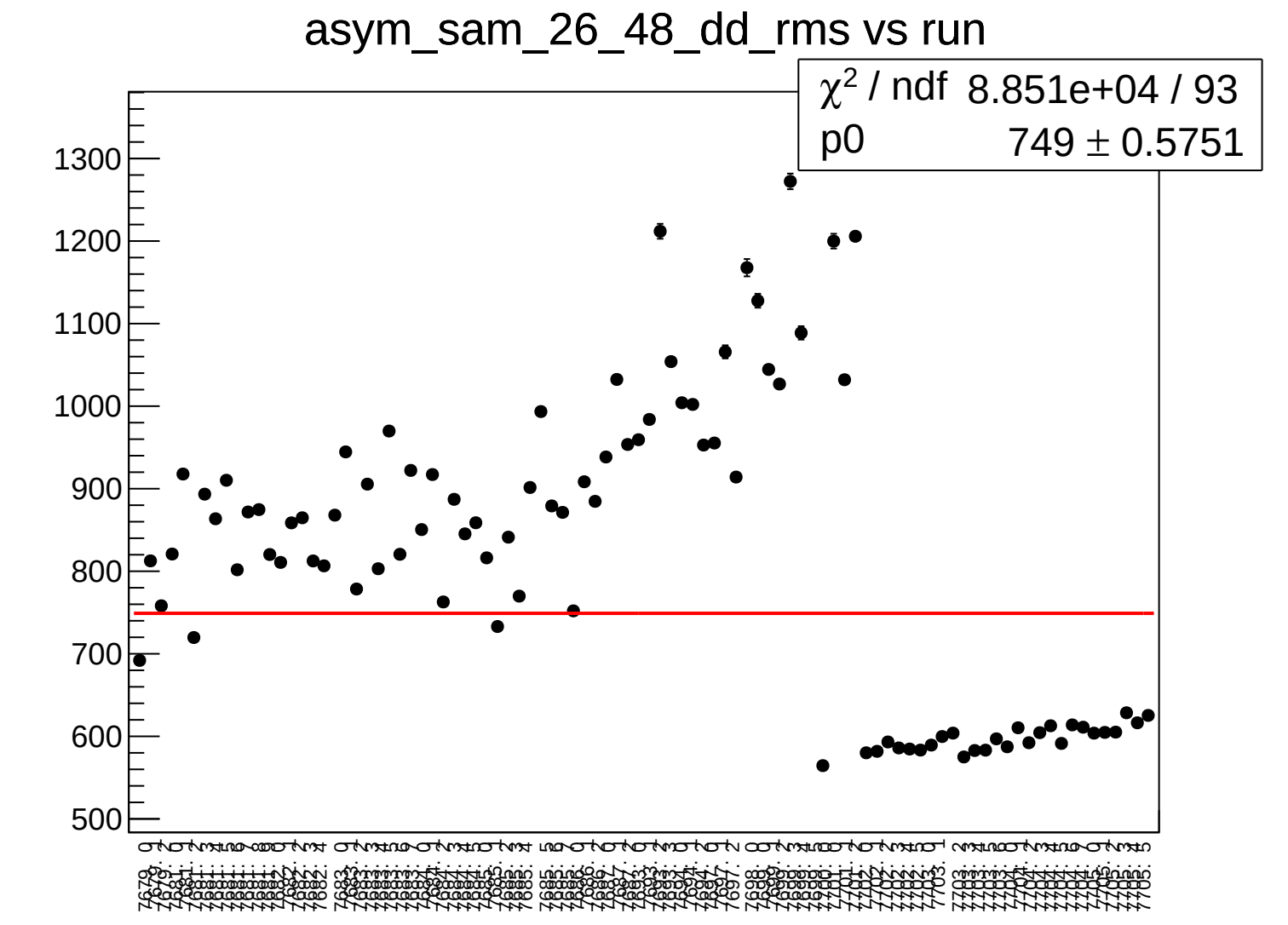

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.364e+04 / 93
p0 103.9 ± 0.0781
220
200
180
160
140
120
100
80

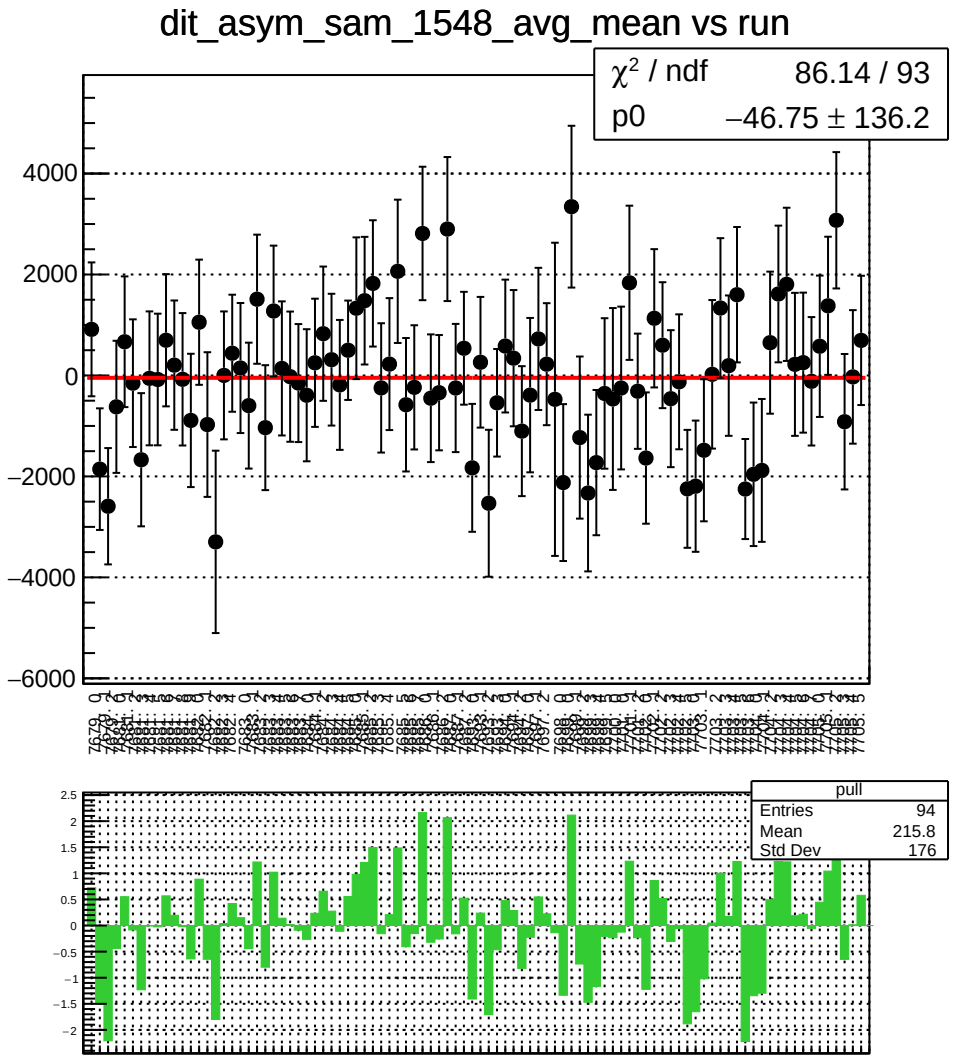

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 88.41 / 93
p0 −218.2 ± 806.8
pull
Entries 94
Mean −126.9
Std Dev 177.5
pull1D
Entries 94
Mean −0.03233
Std Dev 0.9693

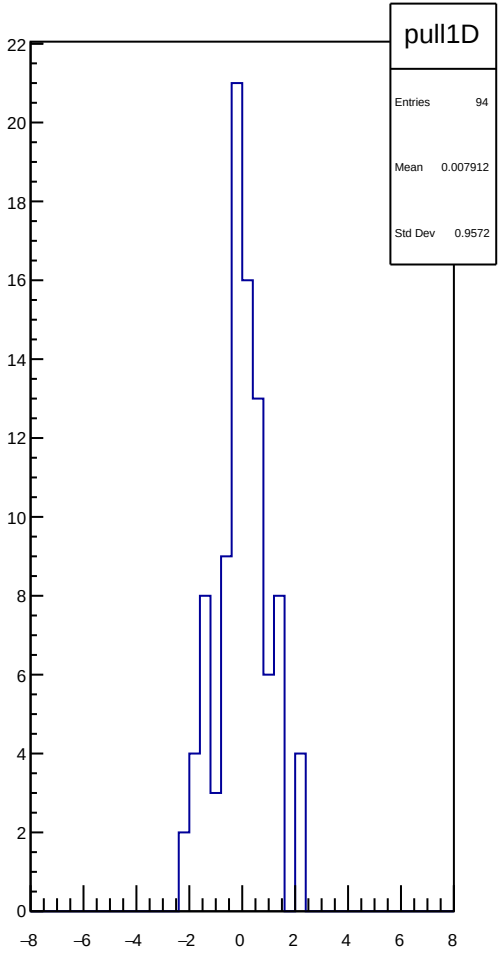

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 8.126e+04 / 93
p0 744.6 ± 0.5705
1300
1200
1100
1000
900
800
700
600

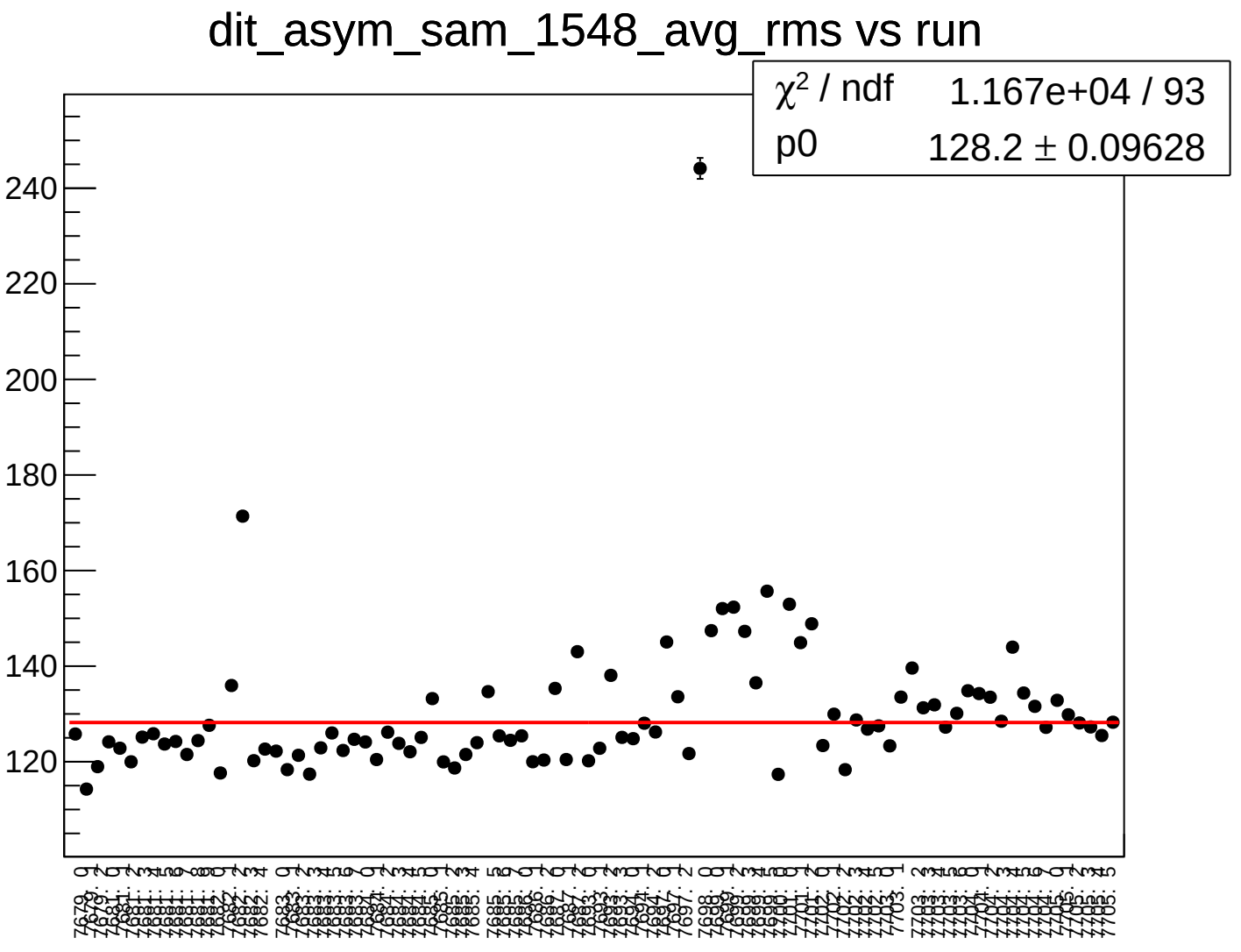

asym_sam_26_48_dd_mean vs run
χ² / ndf 87 / 93
p0 175.4 ± 813.3
pull
Entries 94
Mean −128.7
Std Dev 178.9

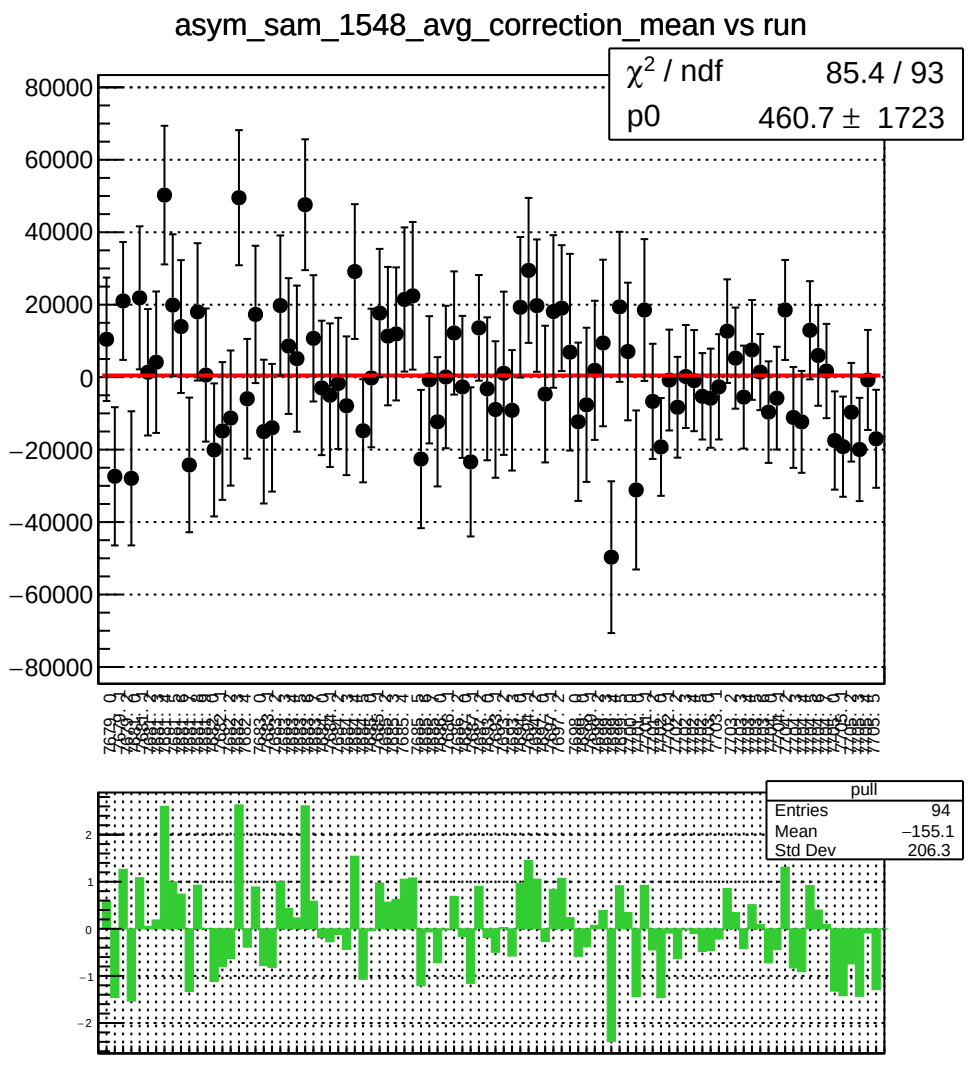

pull1D
Entries 94
Mean 0.03348
Std Dev 0.9614

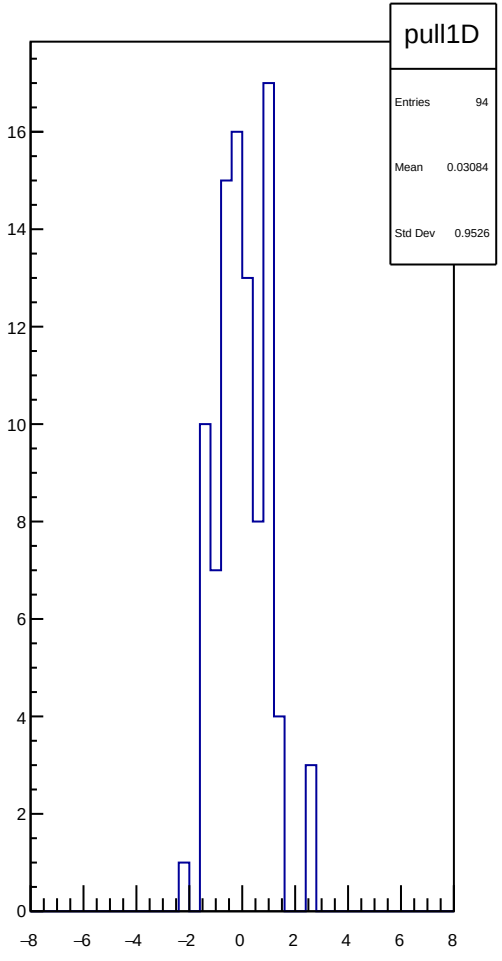

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 8.851e+04 / 93
p0 749 ± 0.5751
1300
1200
1100
1000
900
800
700
600
500

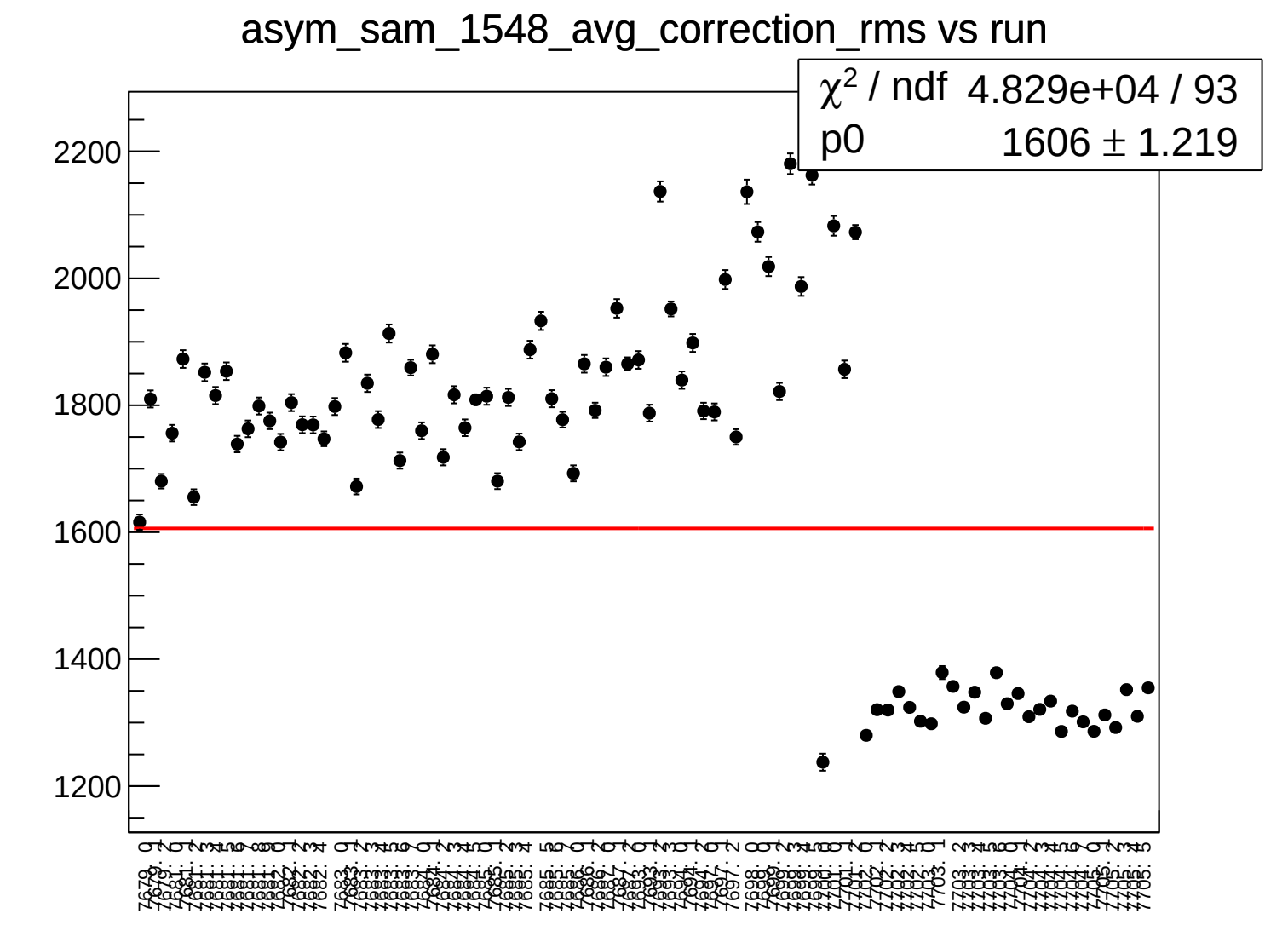

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 86.14 / 93
p0 −46.75 ± 136.2
pull
Entries 94
Mean 215.8
Std Dev 176

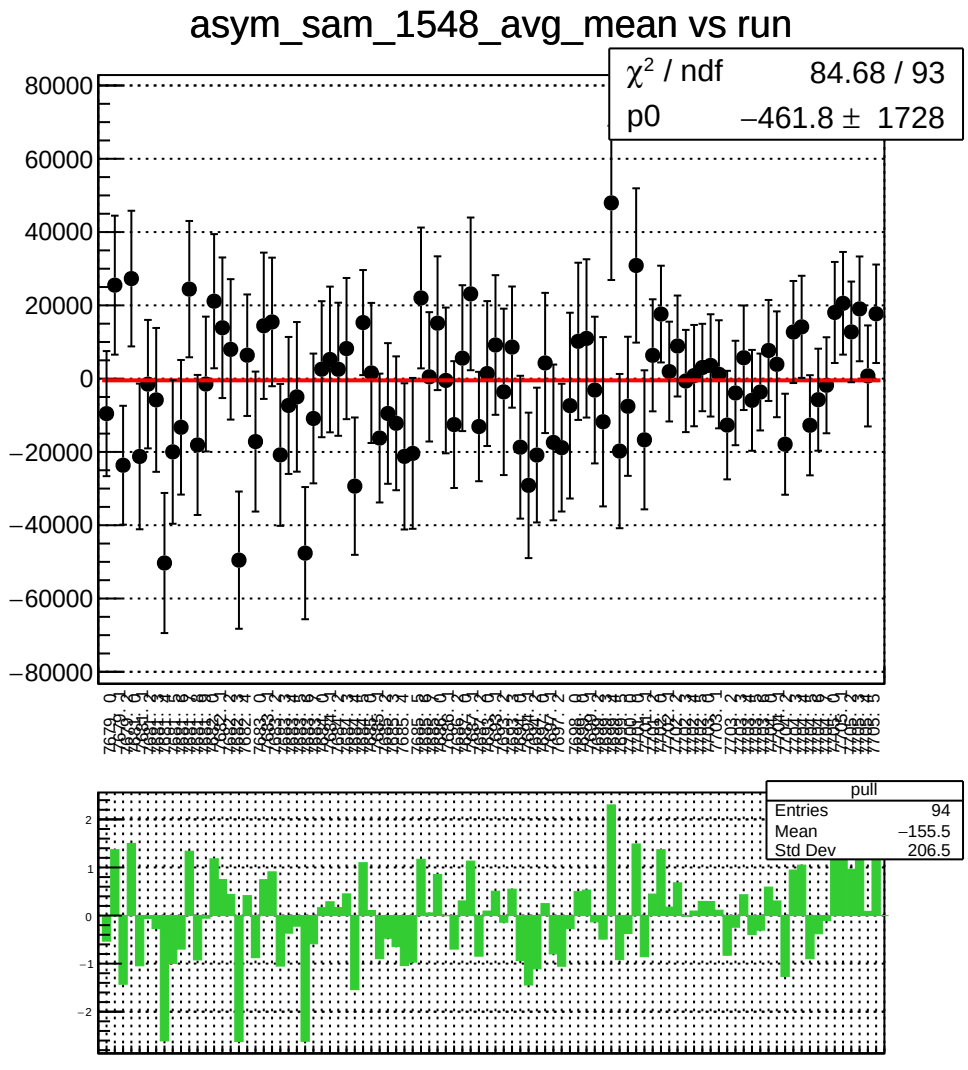

pull1D
Entries 94
Mean 0.007912
Std Dev 0.9572

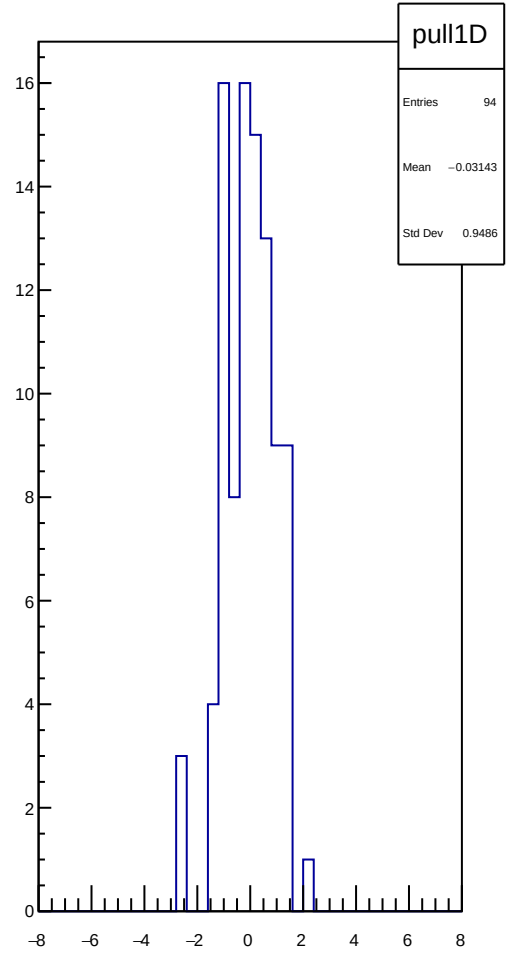

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.167e+04 / 93
p0 128.2 ± 0.09628
240
220
200
180
160
140
120

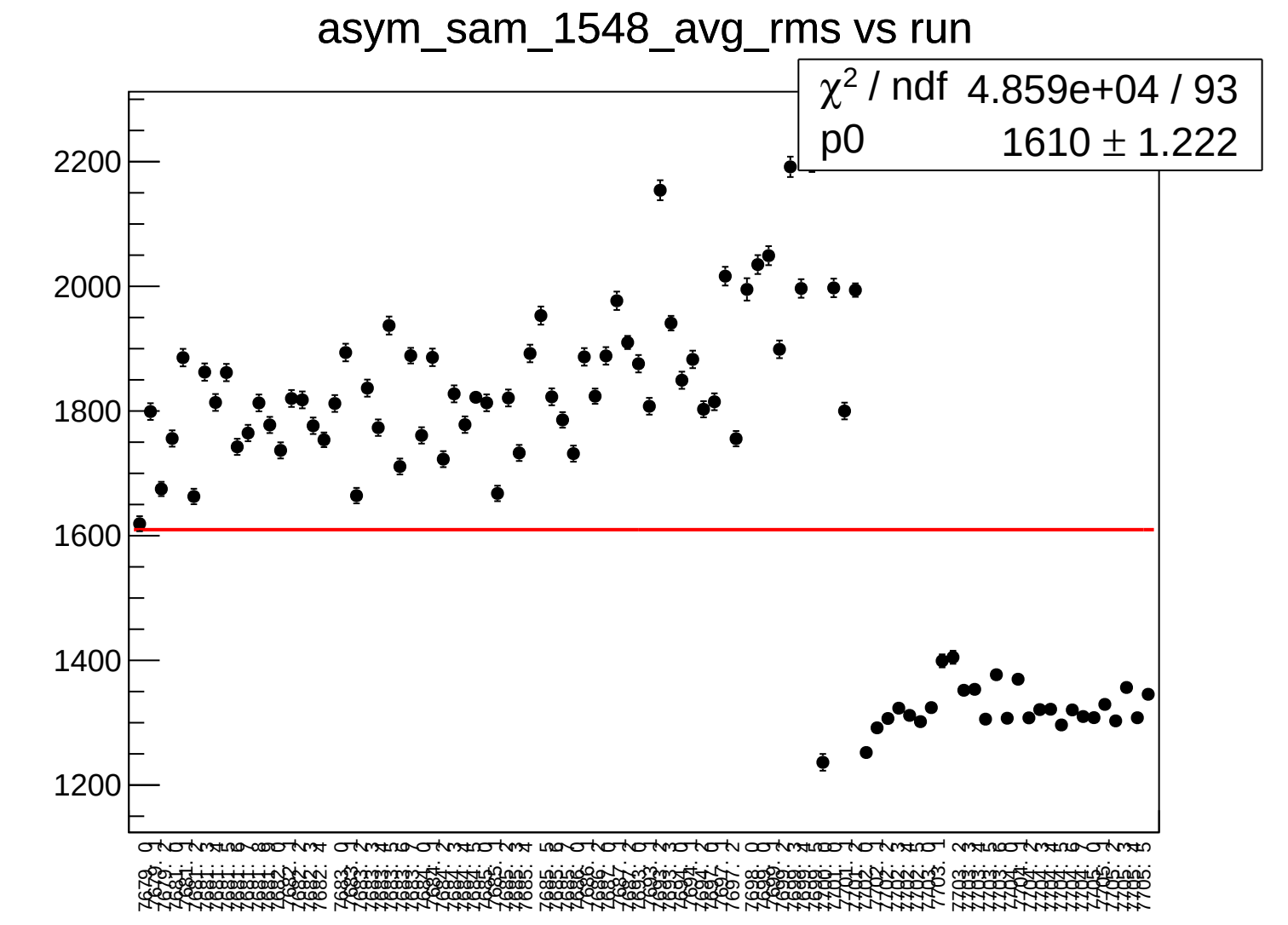

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 85.4 / 93
p0 460.7 ± 1723
pull
Entries 94
Mean −155.1
Std Dev 206.3

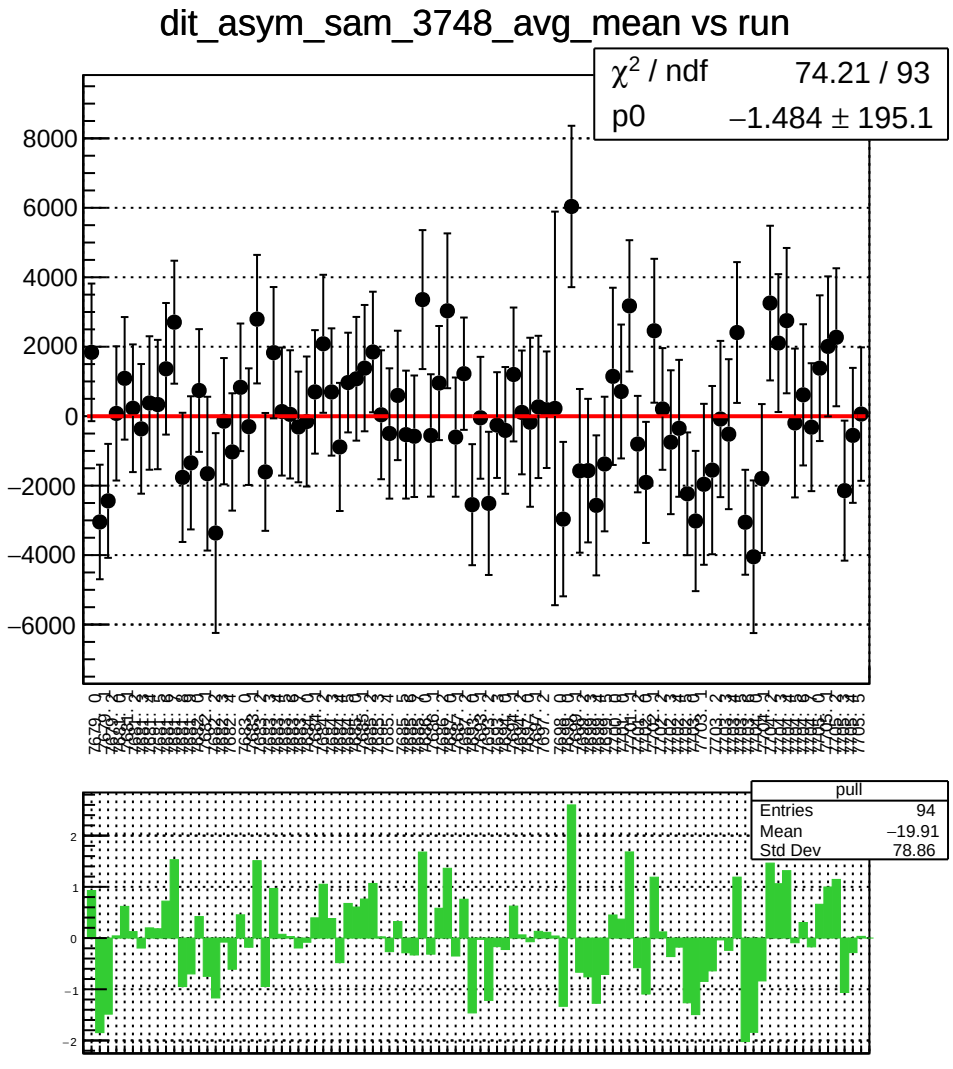

pull1D
Entries 94
Mean 0.03084
Std Dev 0.9526

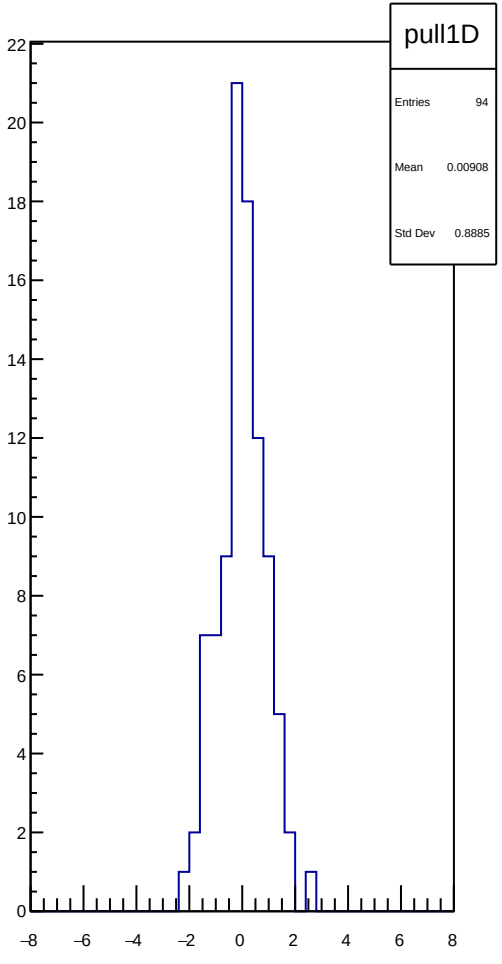

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 4.829e+04 / 93
p0 1606 ± 1.219
2200
2000
1800
1600
1400
1200

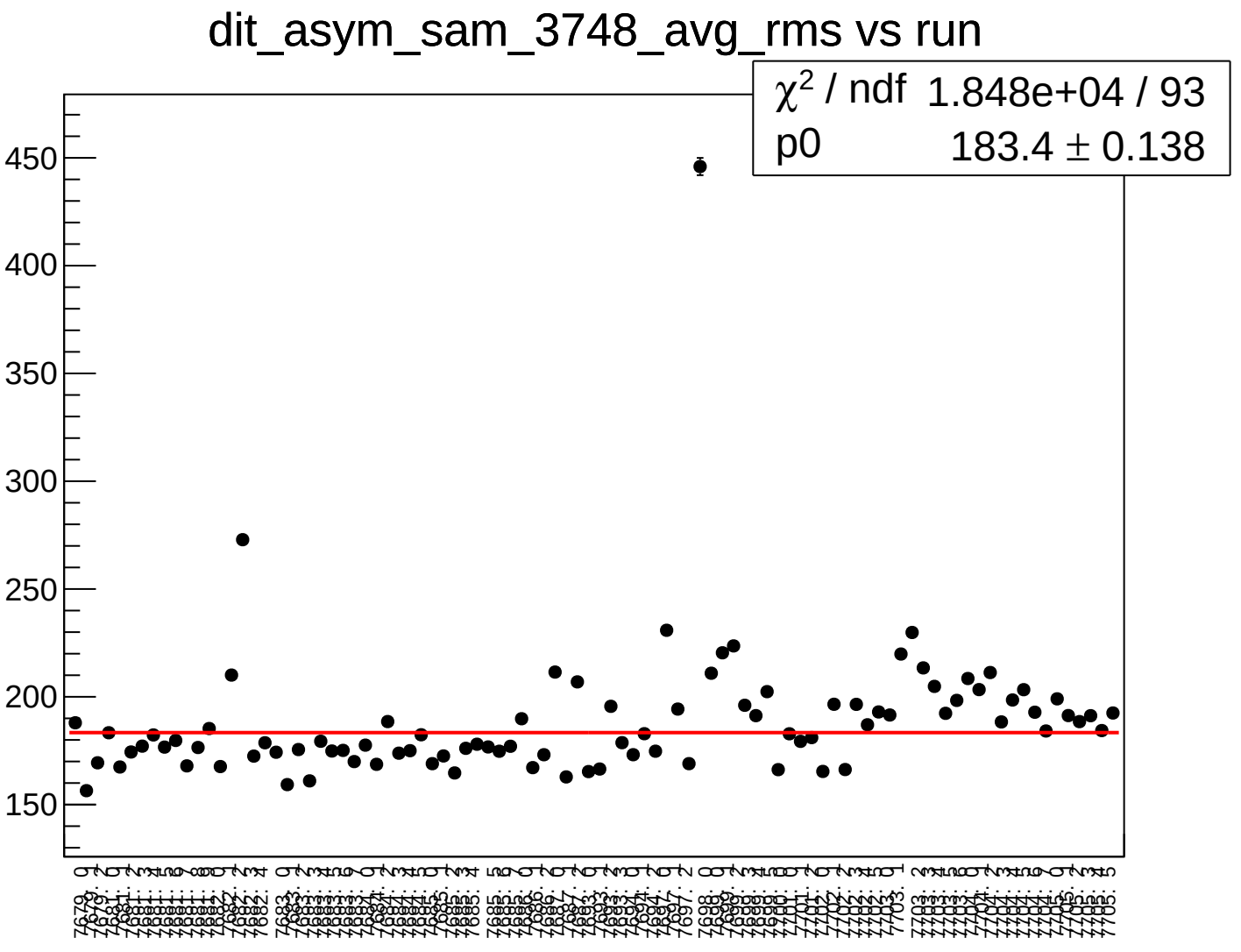

asym_sam_1548_avg_mean vs run
χ² / ndf 84.68 / 93
p0 −461.8 ± 1728
pull
Entries 94
Mean −155.5
Std Dev 206.5

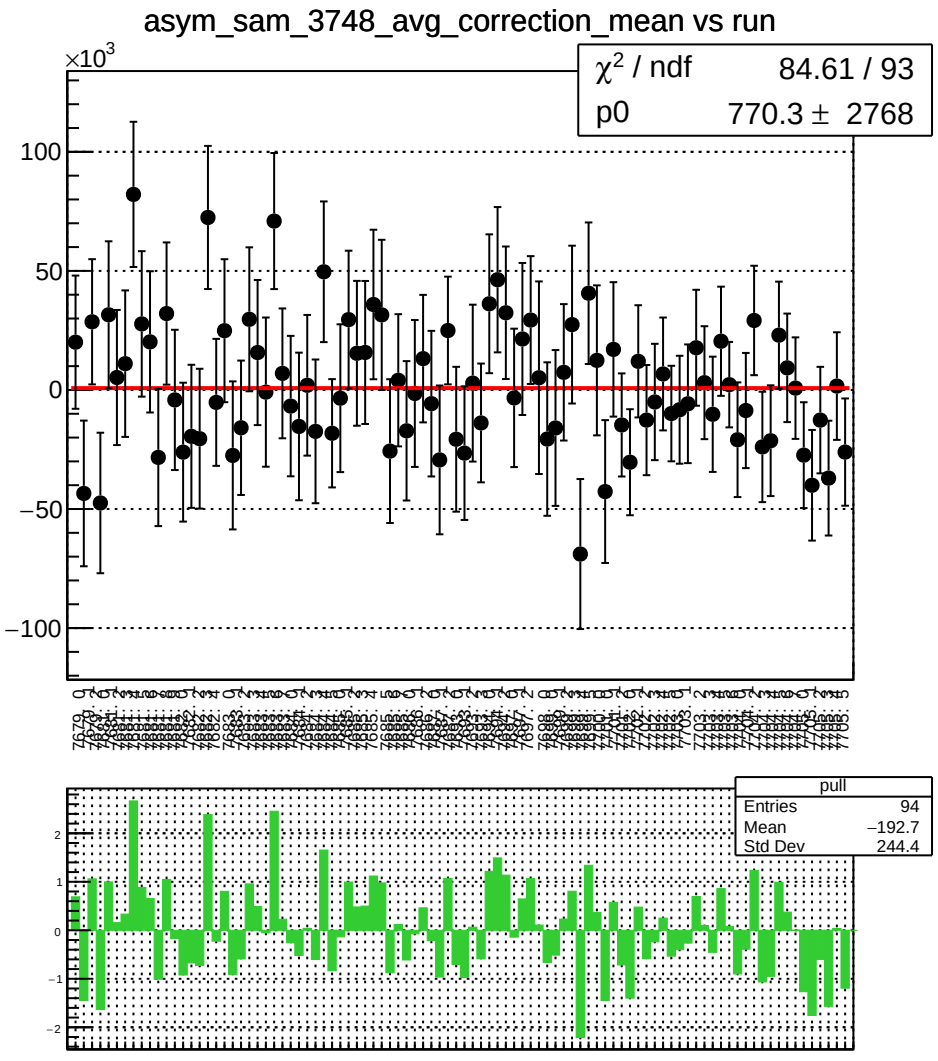

pull1D
Entries 94
Mean −0.03143
Std Dev 0.9486

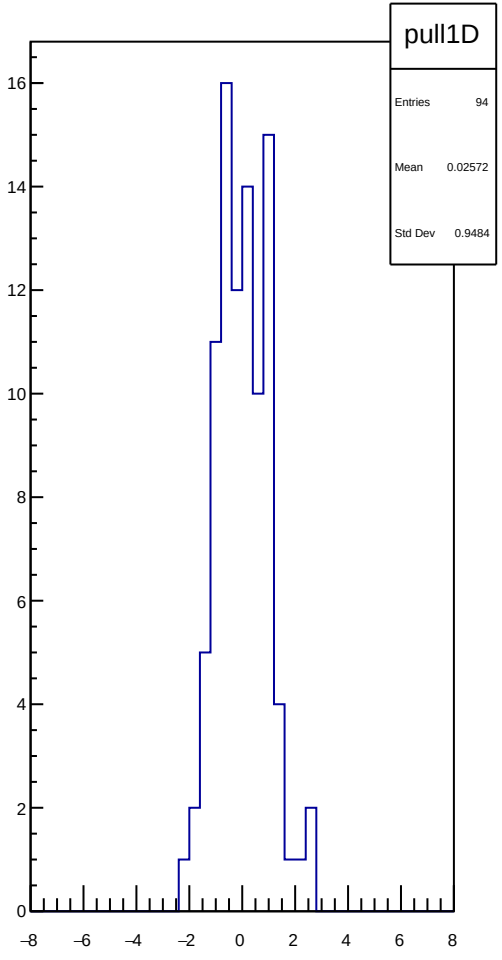

asym_sam_1548_avg_rms vs run
χ² / ndf 4.859e+04 / 93
p0 1610 ± 1.222
2200
2000
1800
1600
1400
1200

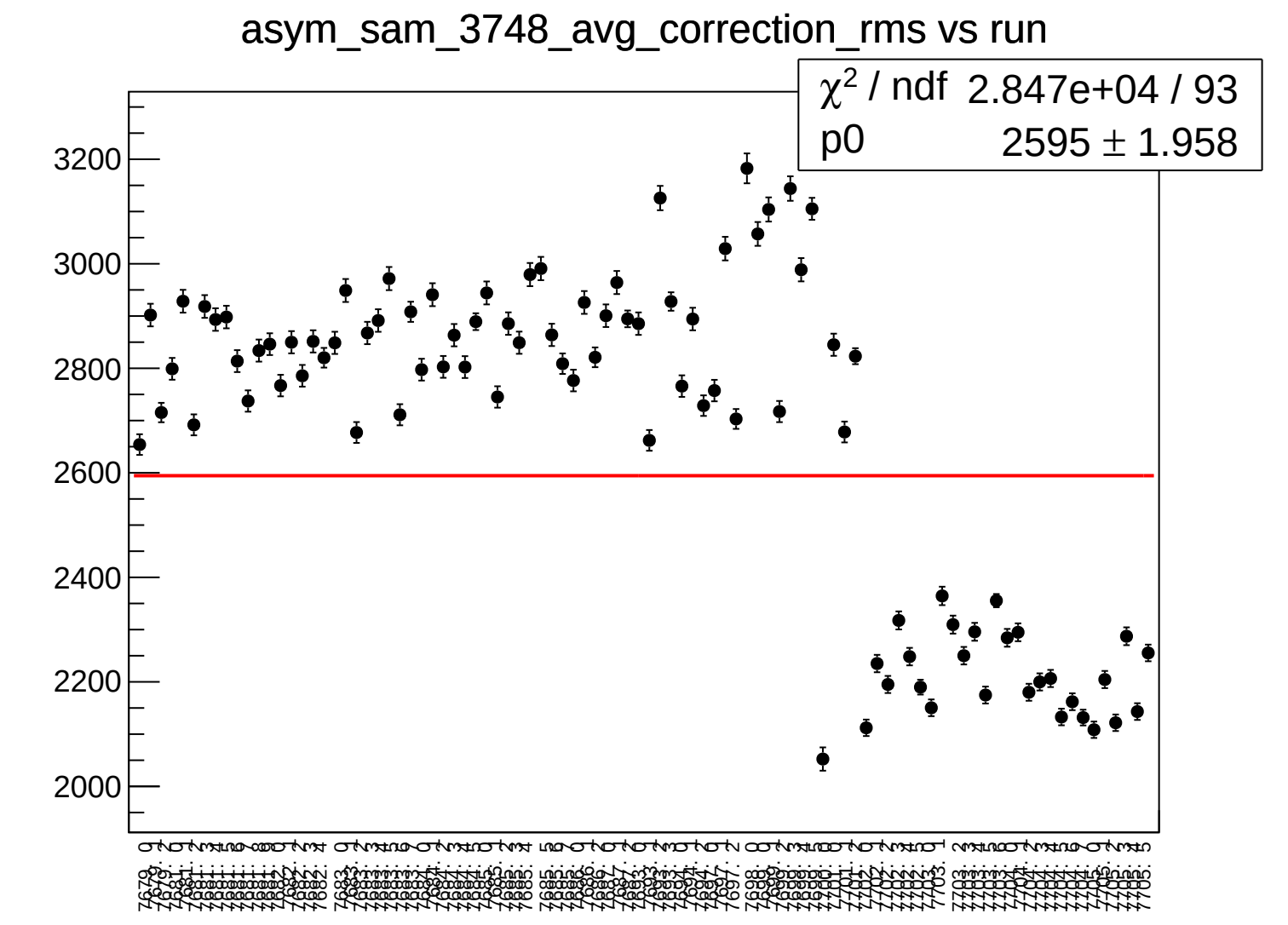

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 74.21 / 93
p0 −1.484 ± 195.1
pull
Entries 94
Mean −19.91
Std Dev 78.86

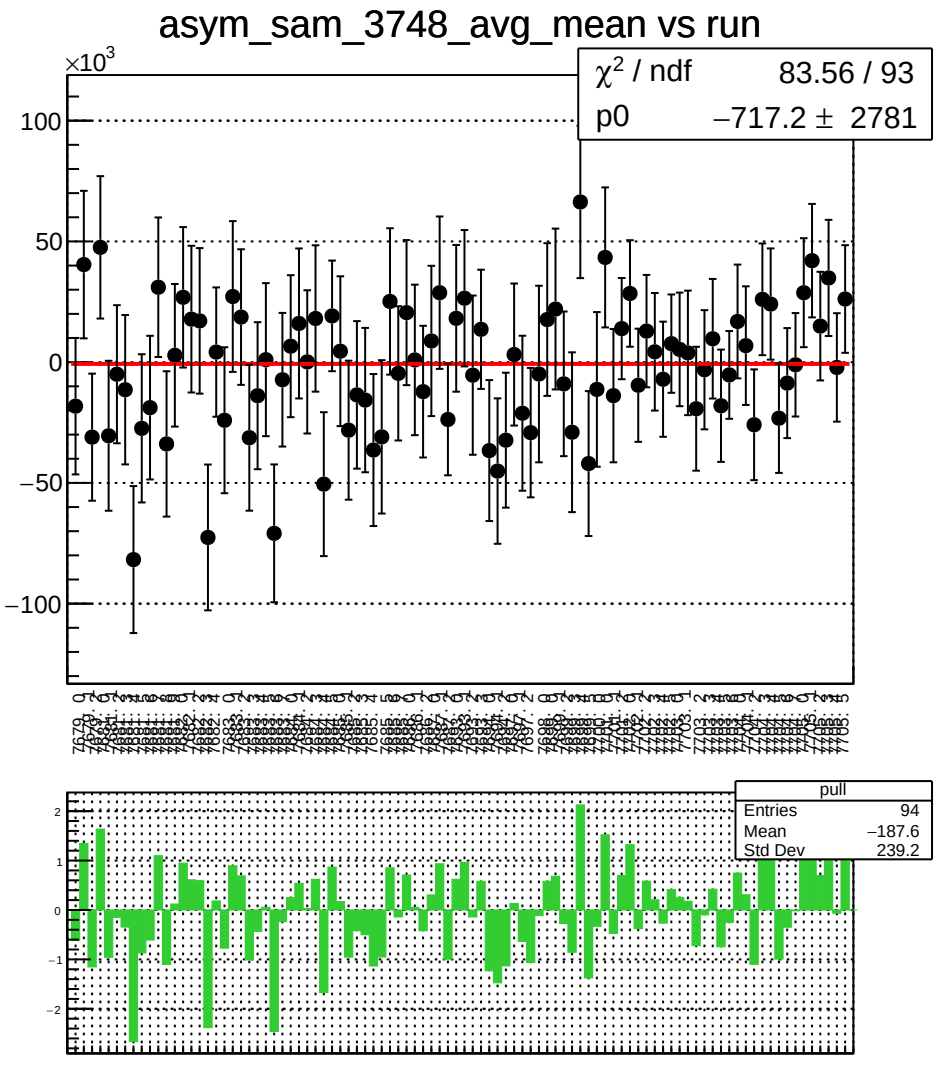

pull1D
Entries 94
Mean 0.00908
Std Dev 0.8885

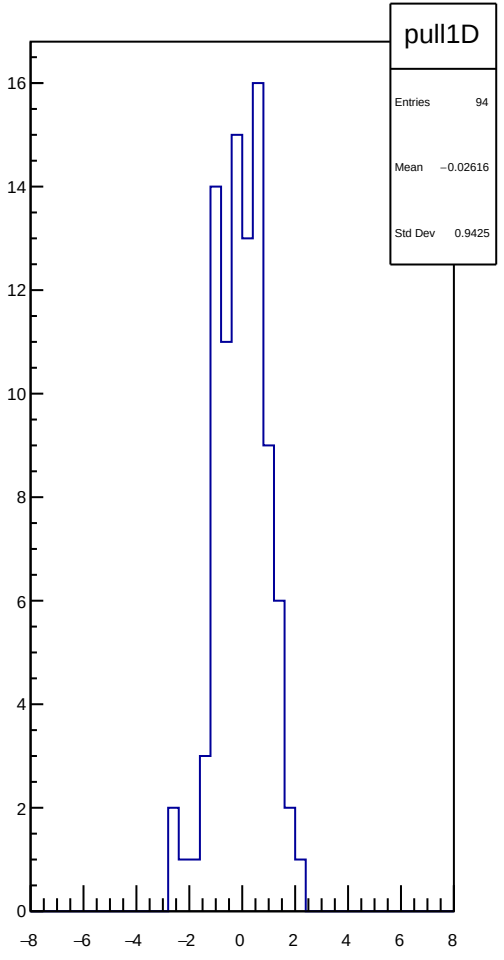

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.848e+04 / 93
p0 183.4 ± 0.138
450
400
350
300
250
200
150

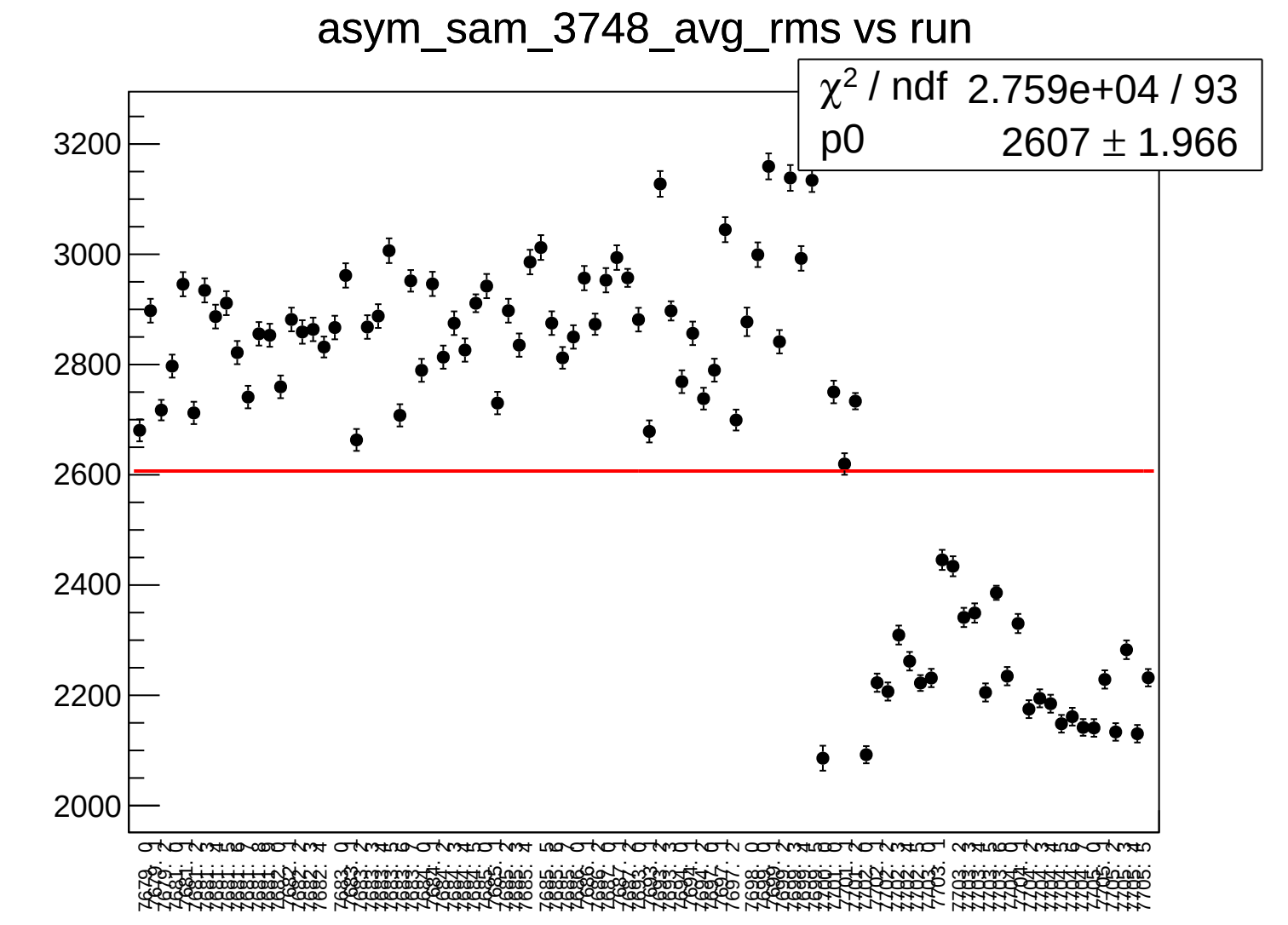

asym_sam_3748_avg_correction_mean vs run
×10^3
χ^2 / ndf 84.61 / 93
p0 770.3 ± 2768
100
50
0
−50
−100
pull
Entries 94
Mean −192.7
Std Dev 244.4
2
1
0
−1
−2

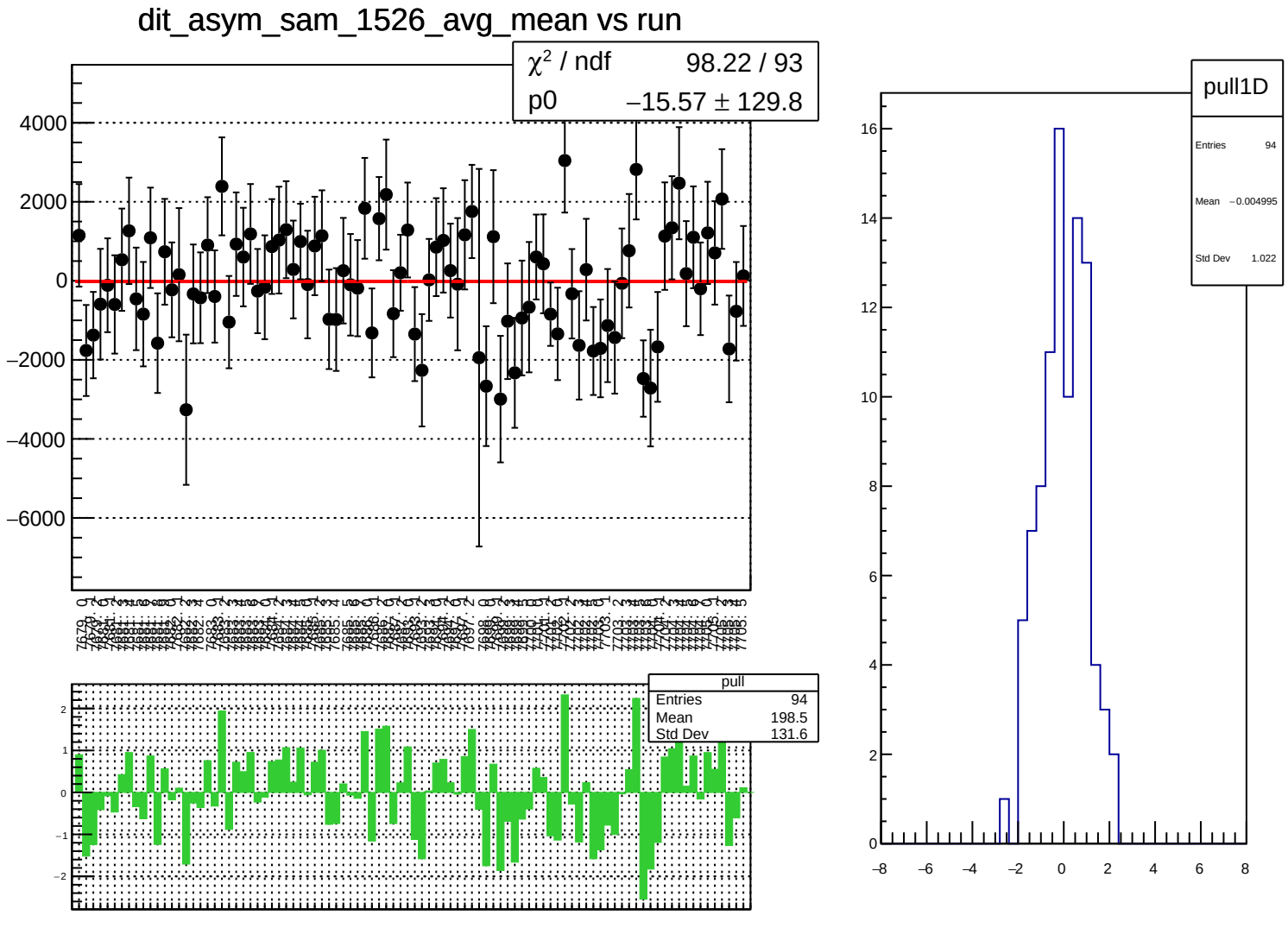

pull1D
Entries 94
Mean 0.02572
Std Dev 0.9484
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

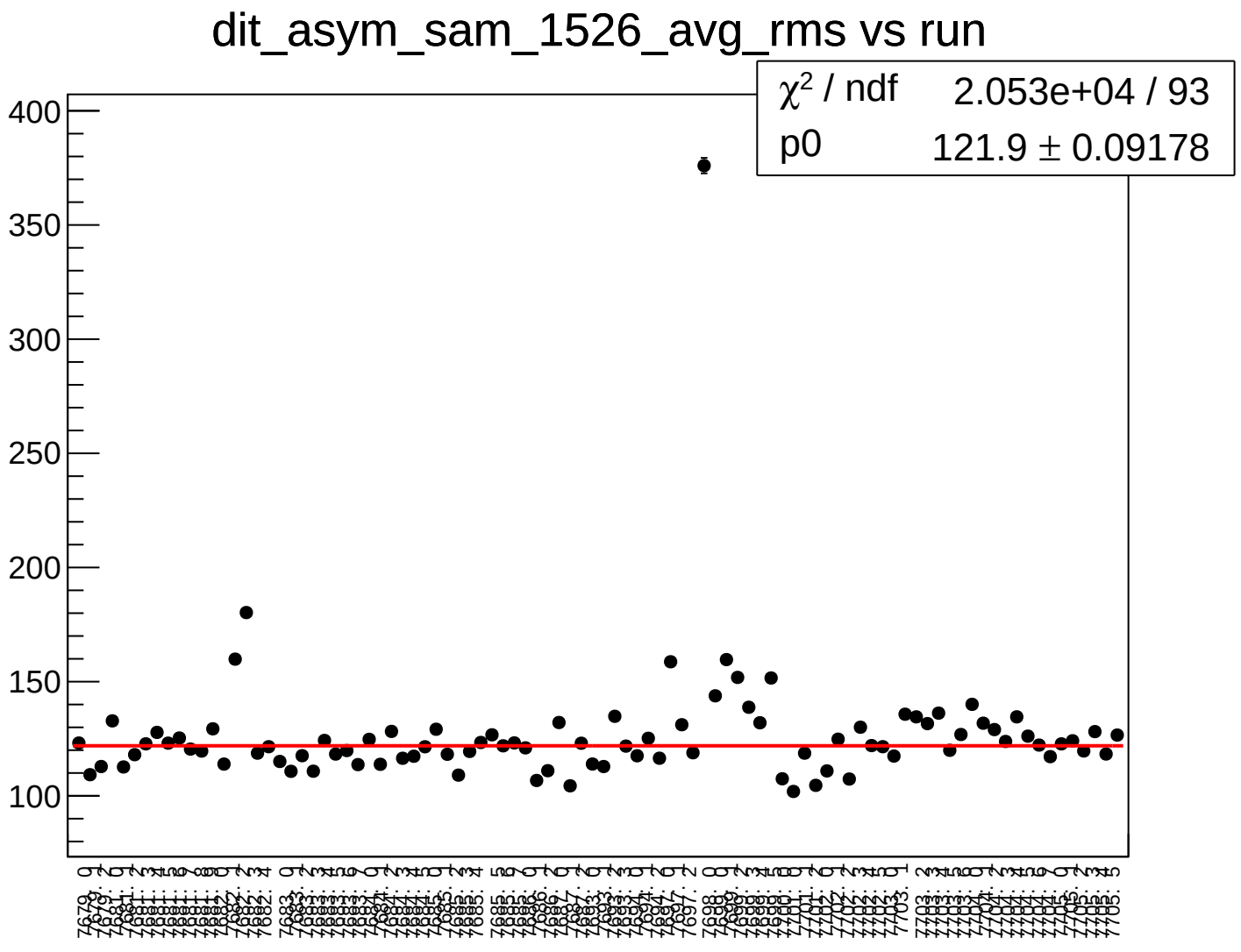

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2.847e+04 / 93
p0 2595 ± 1.958
3200
3000
2800
2600
2400
2200
2000

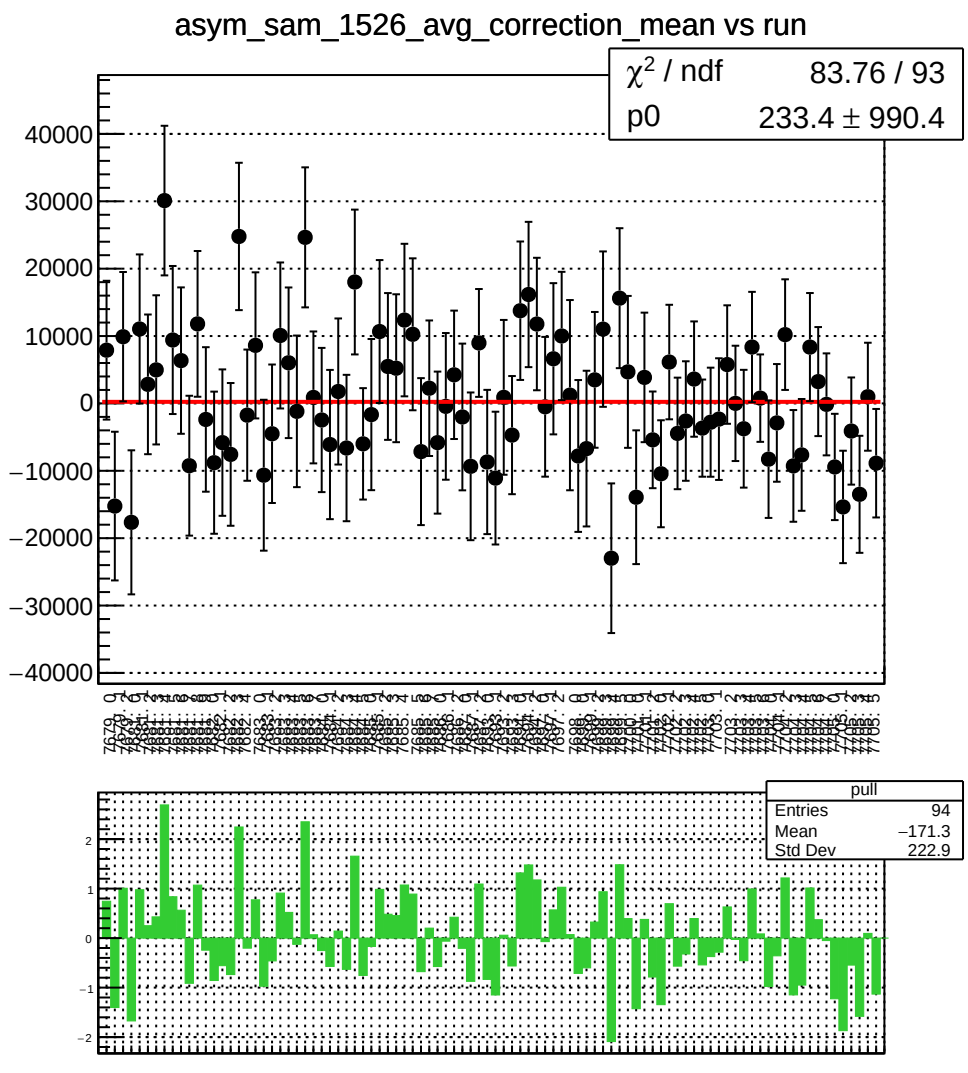

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 83.56 / 93
p0 −717.2 ± 2781
100
50
0
−50
−100
pull
Entries 94
Mean −187.6
Std Dev 239.2
2
1
0
−1
−2

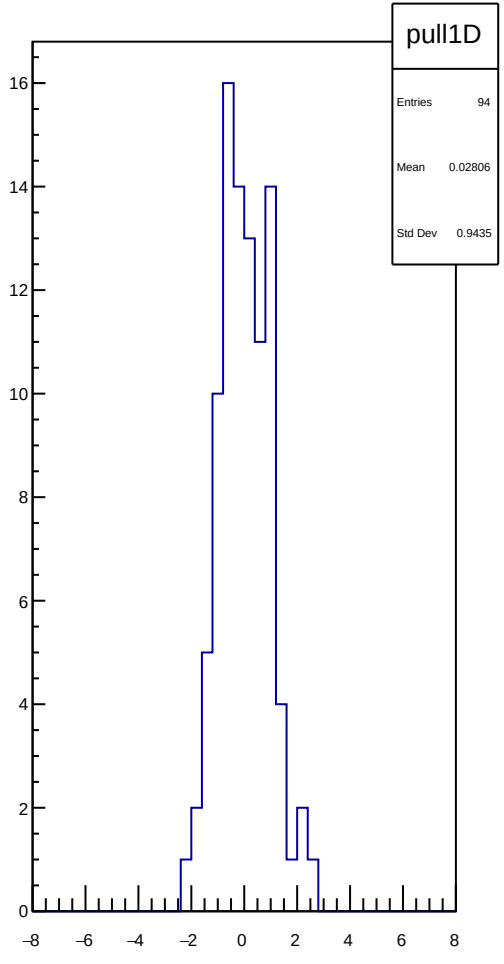

pull1D
Entries 94
Mean −0.02616
Std Dev 0.9425
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

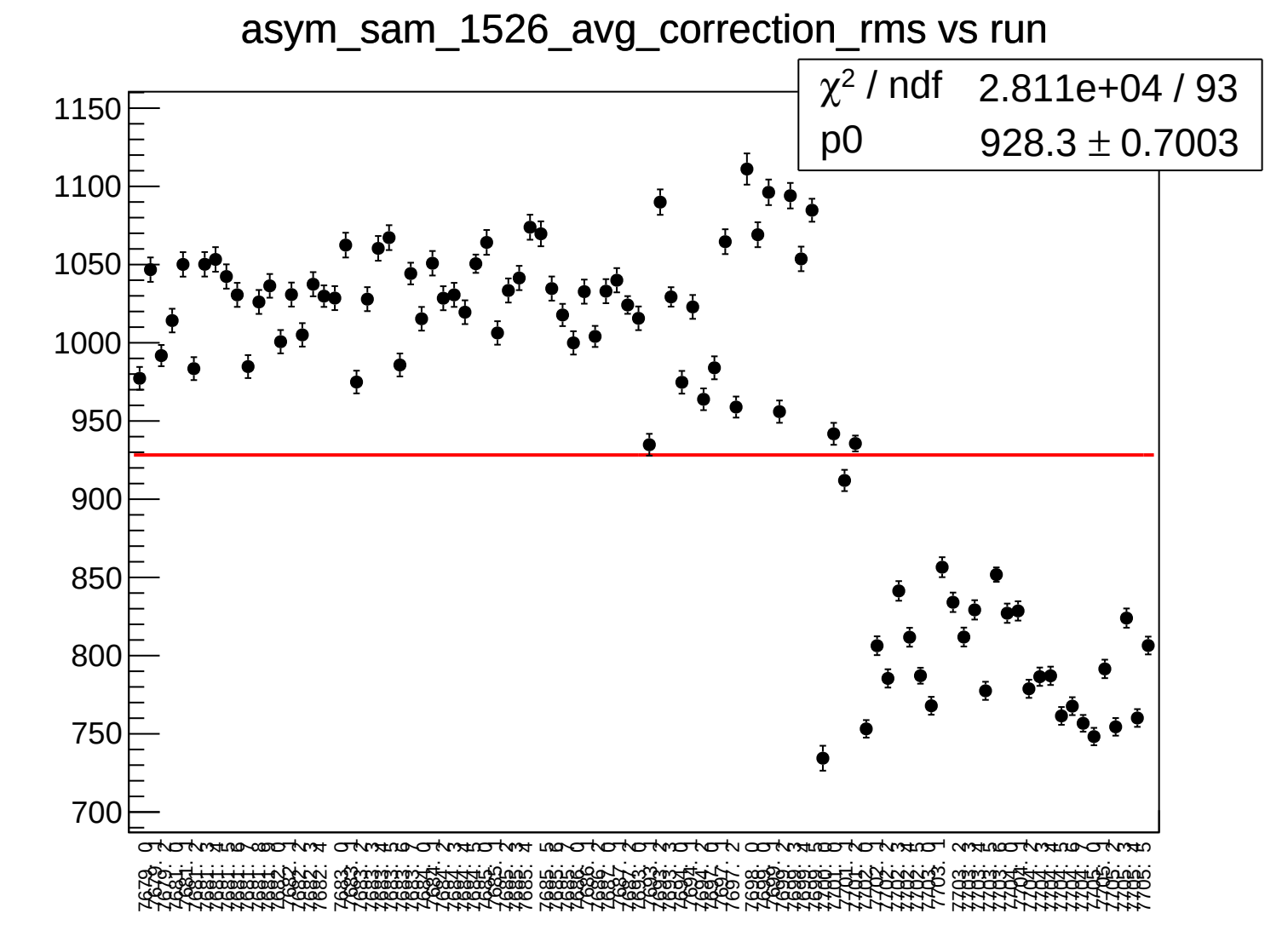

asym_sam_3748_avg_rms vs run
χ² / ndf 2.759e+04 / 93
p0 2607 ± 1.966
3200
3000
2800
2600
2400
2200
2000

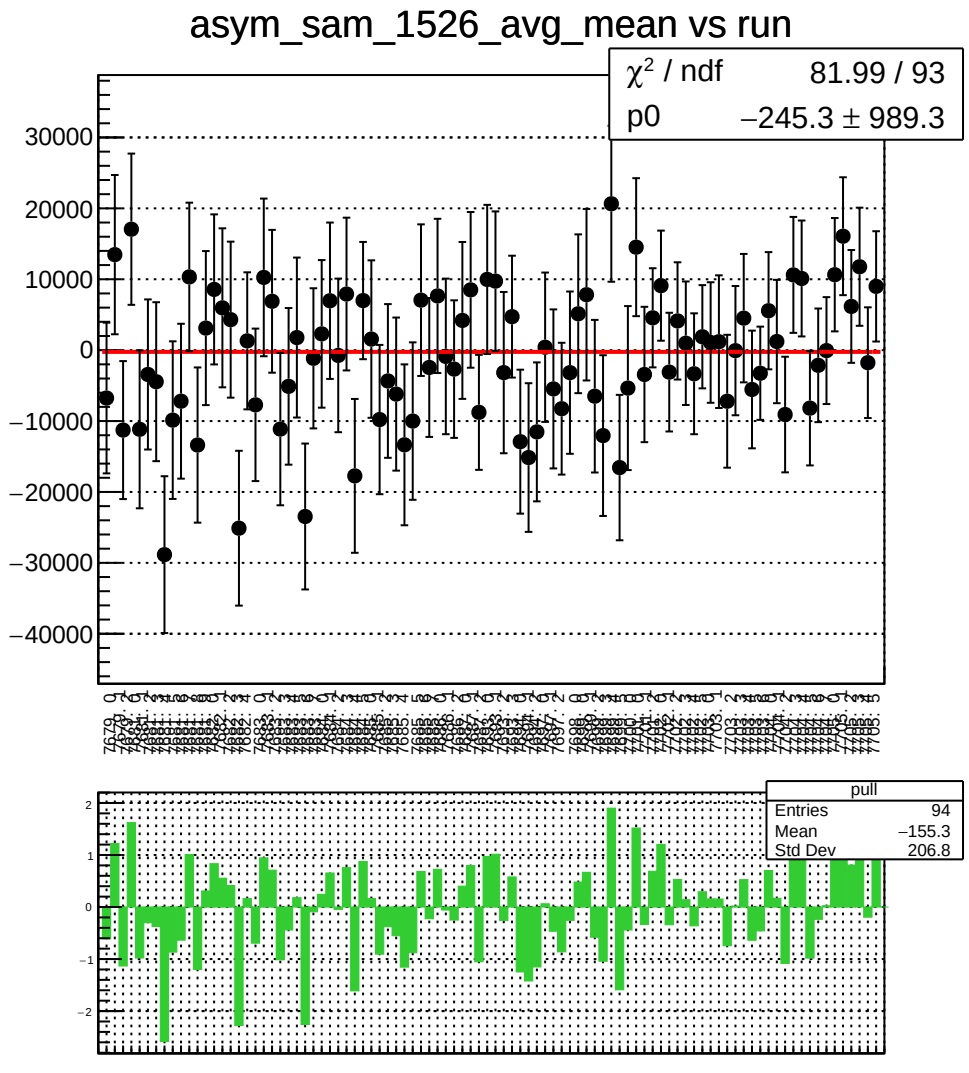

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 98.22 / 93
p0 −15.57 ± 129.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 94
Mean 198.5
Std Dev 131.6
2
1
0
−1
−2
pull1D
Entries 94
Mean −0.004995
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

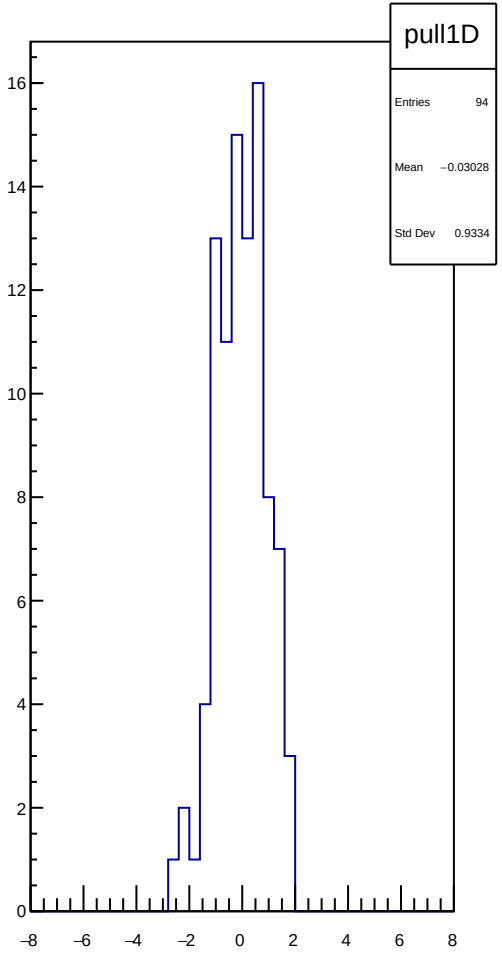

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.053e+04 / 93
p0 121.9 ± 0.09178
400
350
300
250
200
150
100

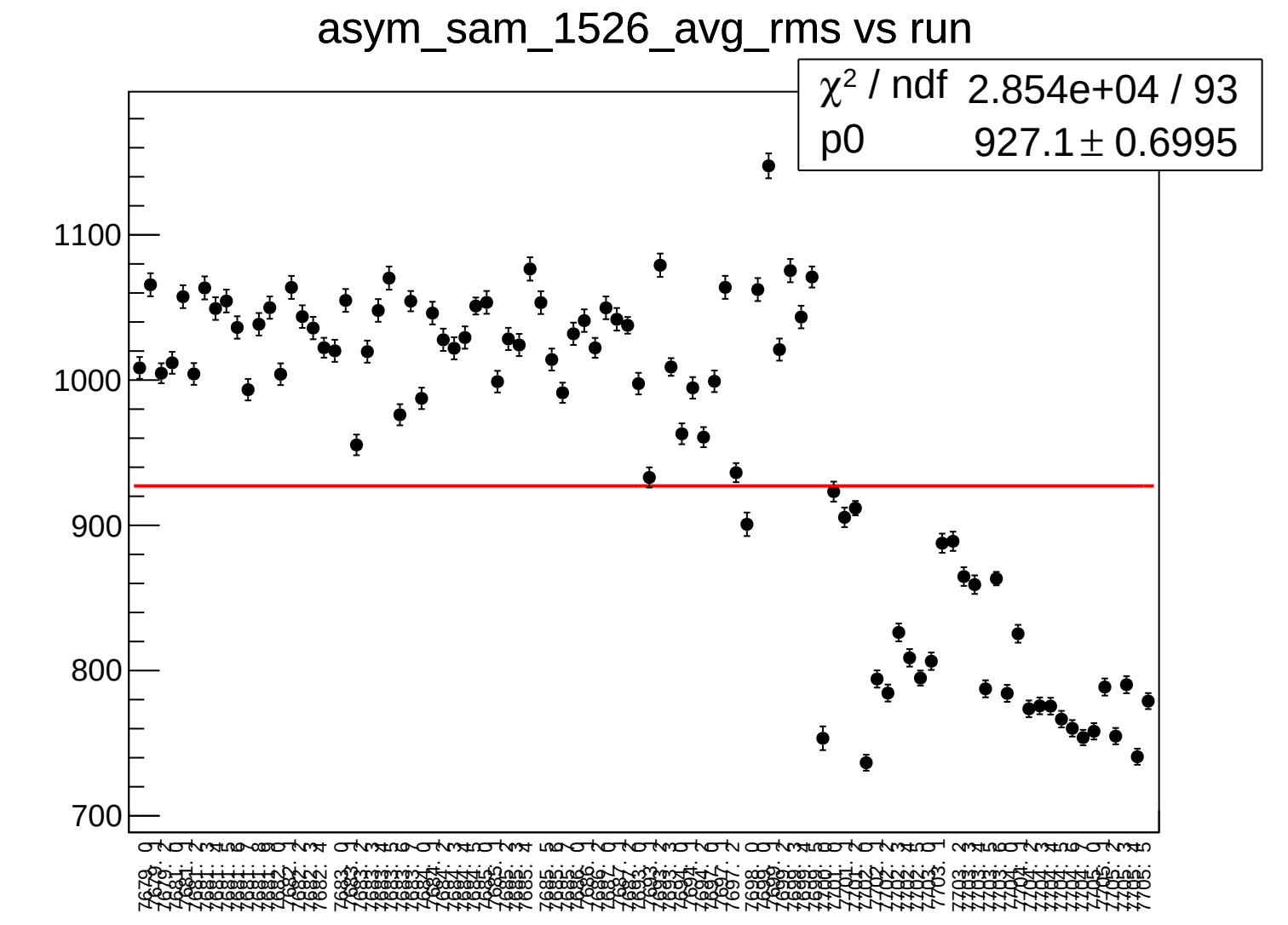

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 83.76 / 93
p0 233.4 ± 990.4
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 94
Mean −171.3
Std Dev 222.9
2
1
0
−1
−2

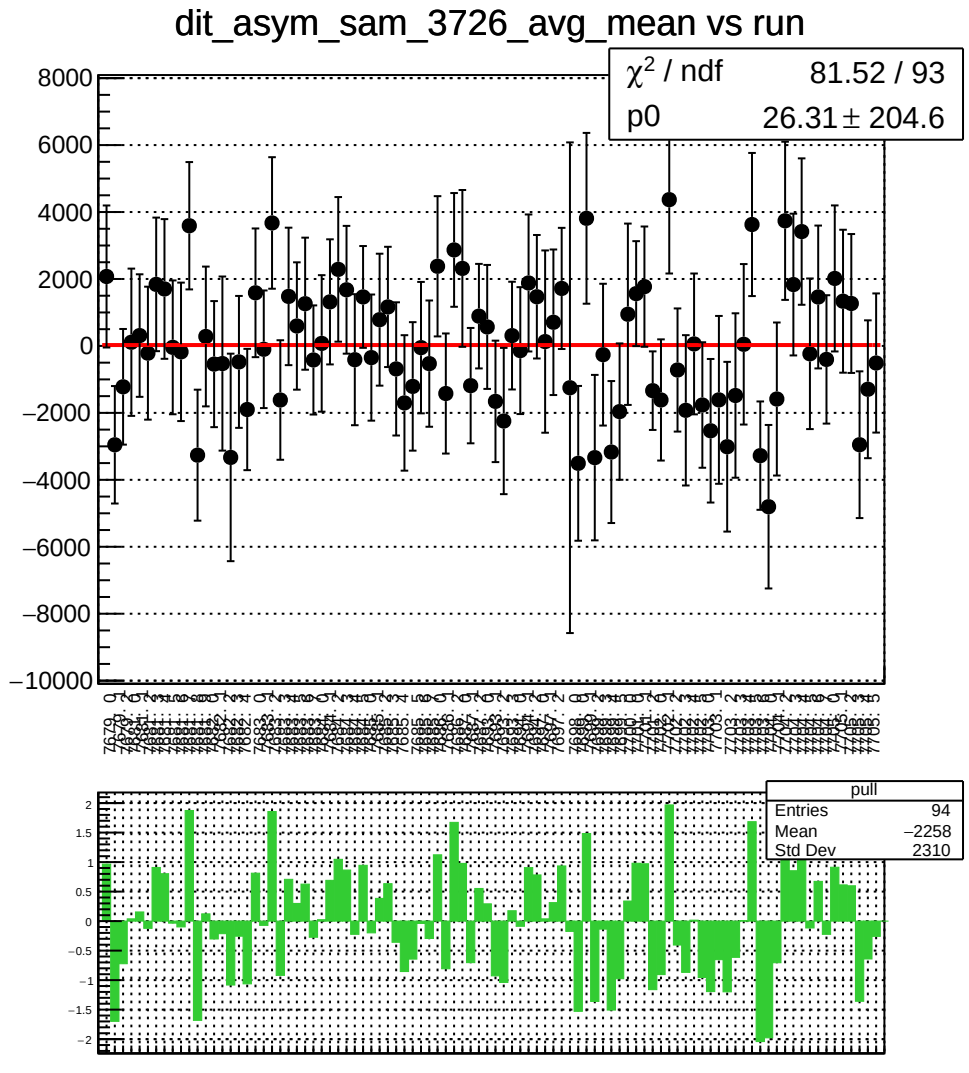

pull1D
Entries 94
Mean 0.02806
Std Dev 0.9435
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

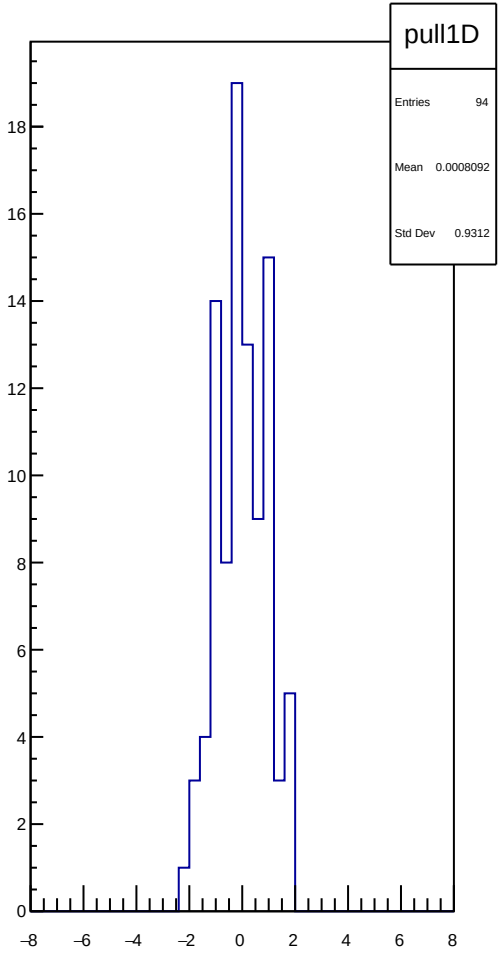

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2.811e+04 / 93
p0 928.3 ± 0.7003
1150
1100
1050
1000
950
900
850
800
750
700

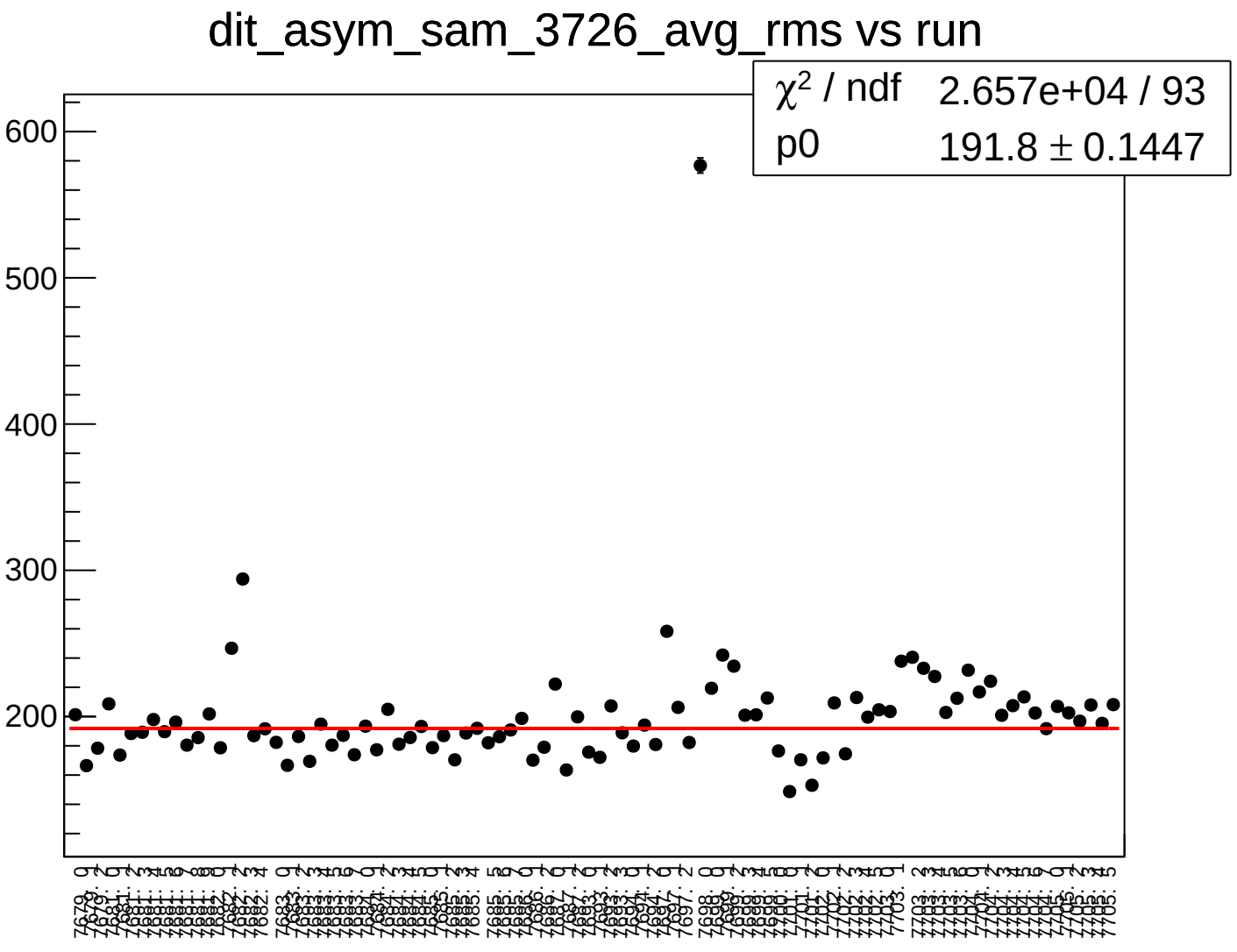

asym_sam_1526_avg_mean vs run
χ² / ndf 81.99 / 93
p0 −245.3 ± 989.3
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 94
Mean −155.3
Std Dev 206.8
2
1
0
−1
−2

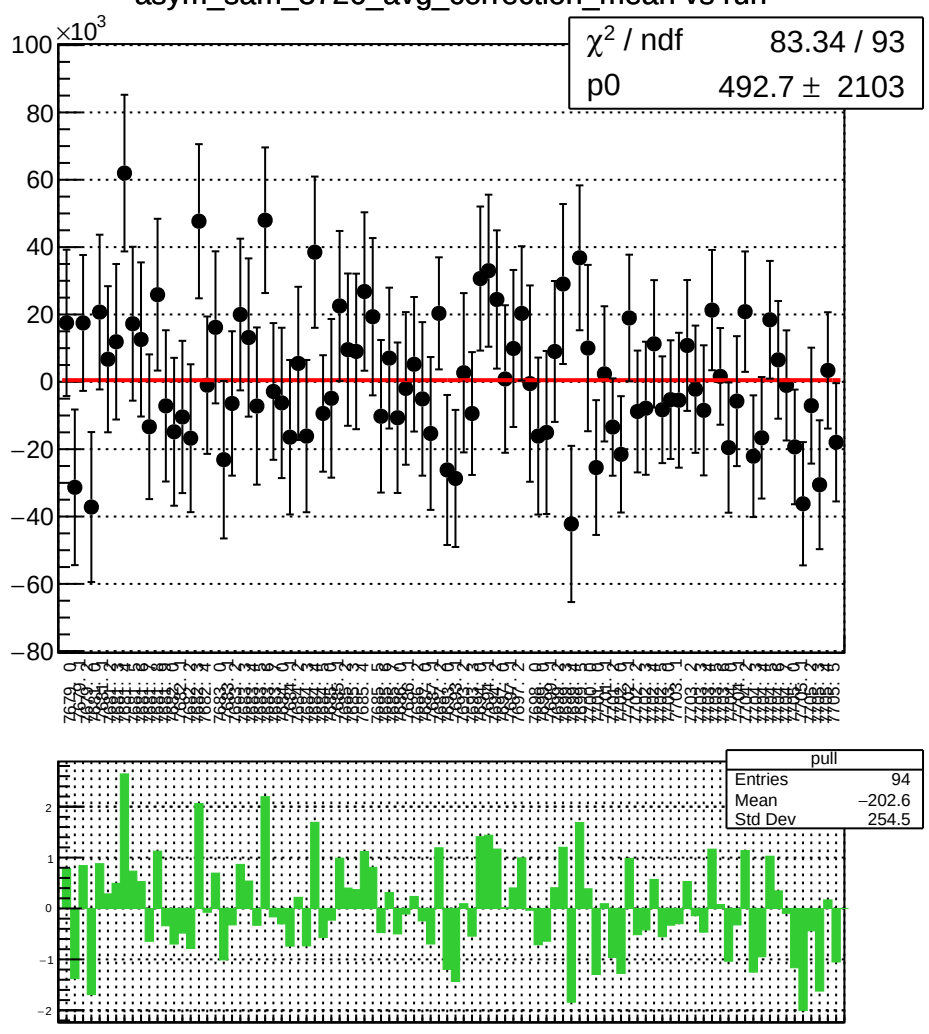

pull1D
Entries 94
Mean −0.03028
Std Dev 0.9334
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

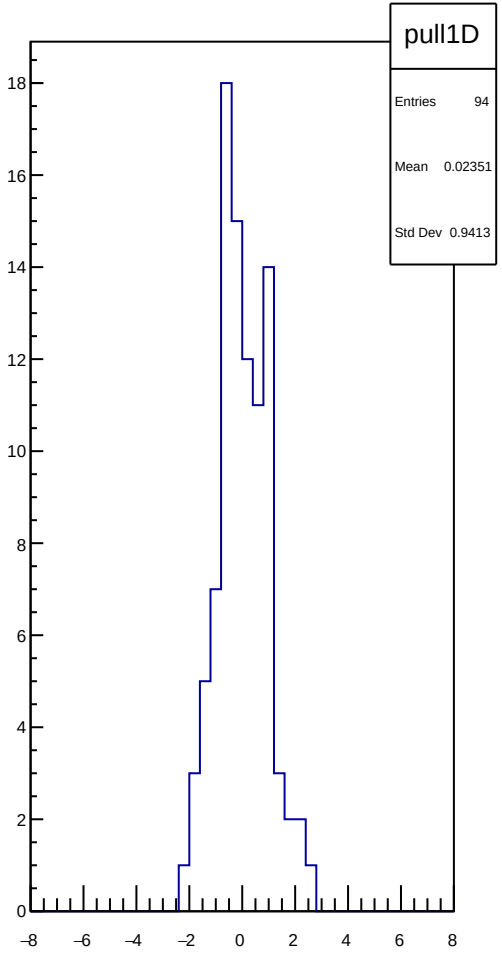

asym_sam_1526_avg_rms vs run
χ² / ndf 2.854e+04 / 93
p0 927.1 ± 0.6995
1100
1000
900
800
700

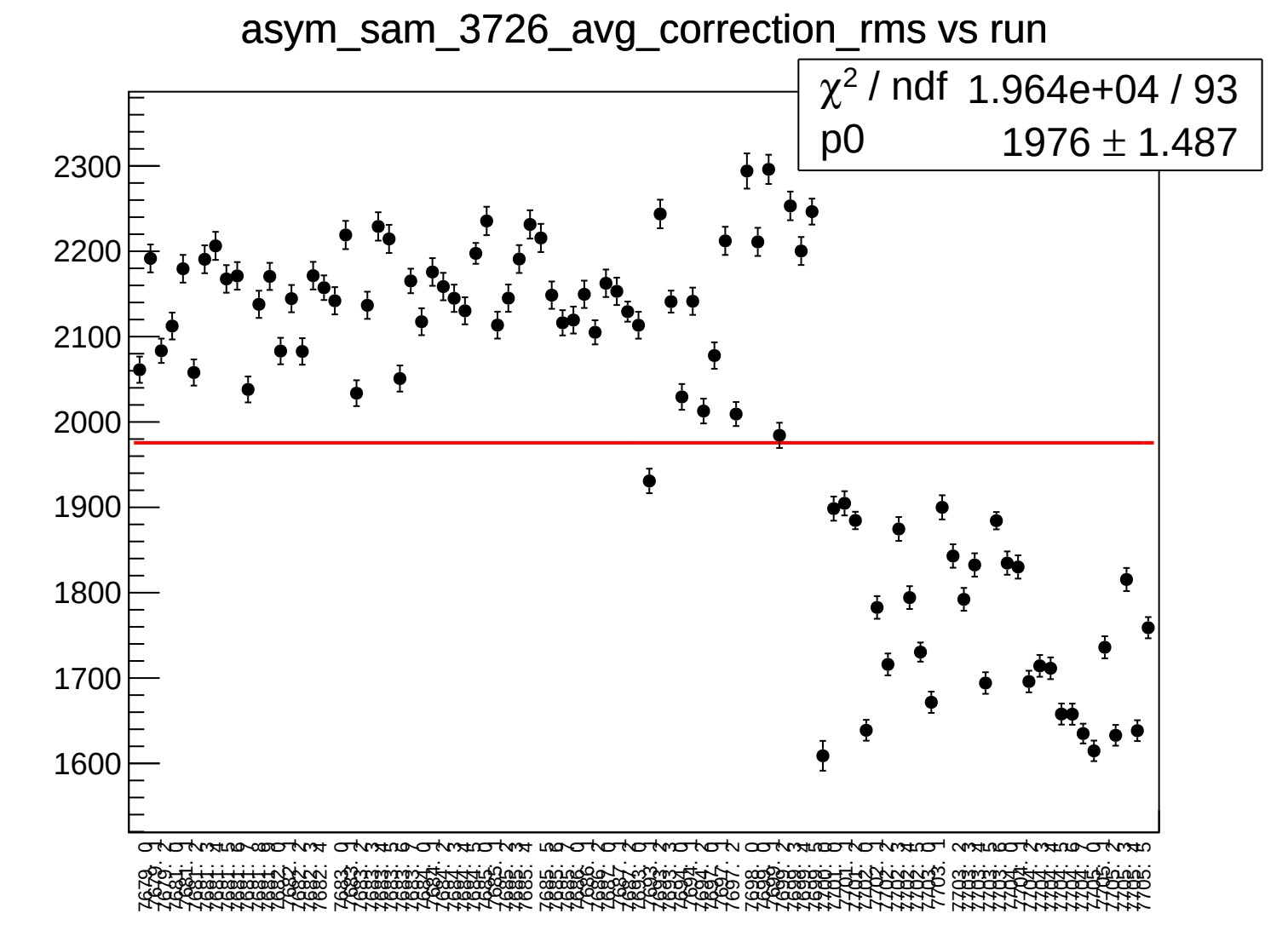

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 81.52 / 93
p0 26.31 ± 204.6
pull
Entries 94
Mean −2258
Std Dev 2310

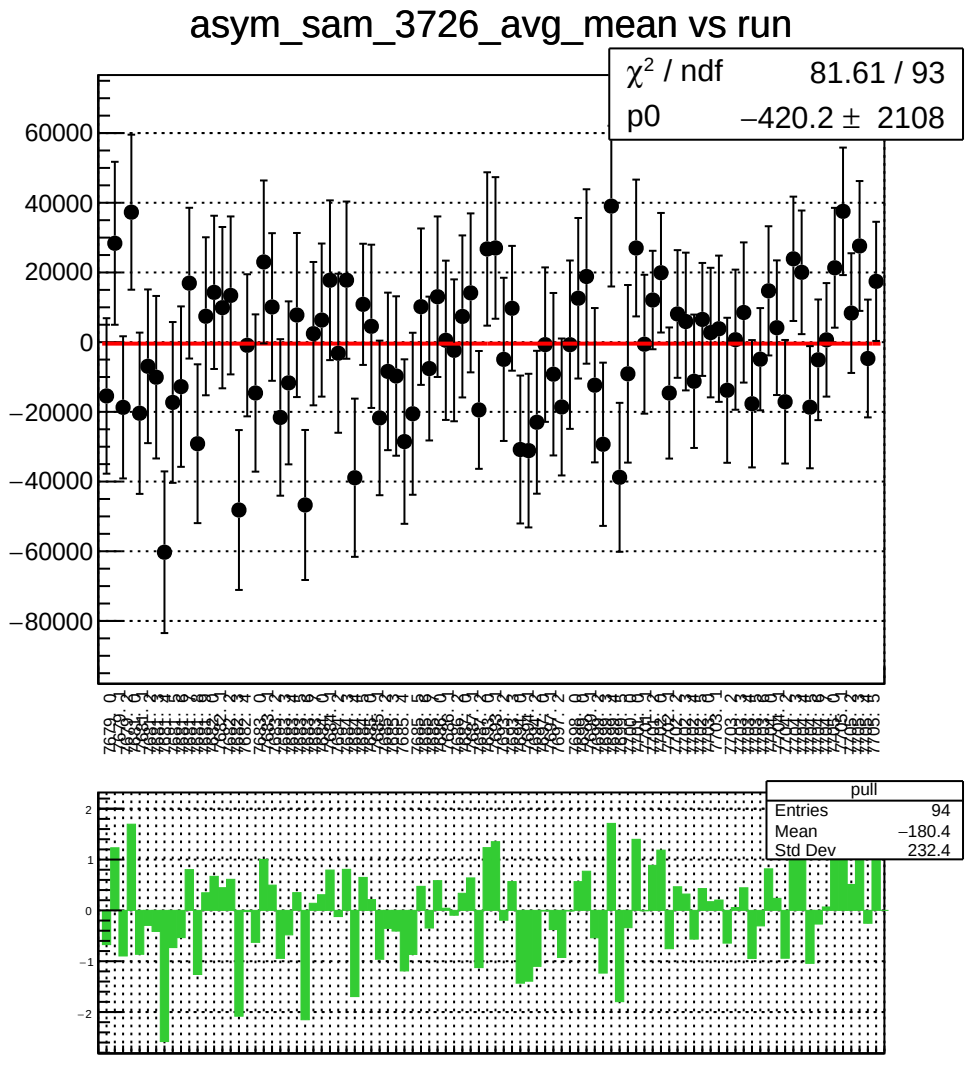

pull1D
Entries 94
Mean 0.0008092
Std Dev 0.9312

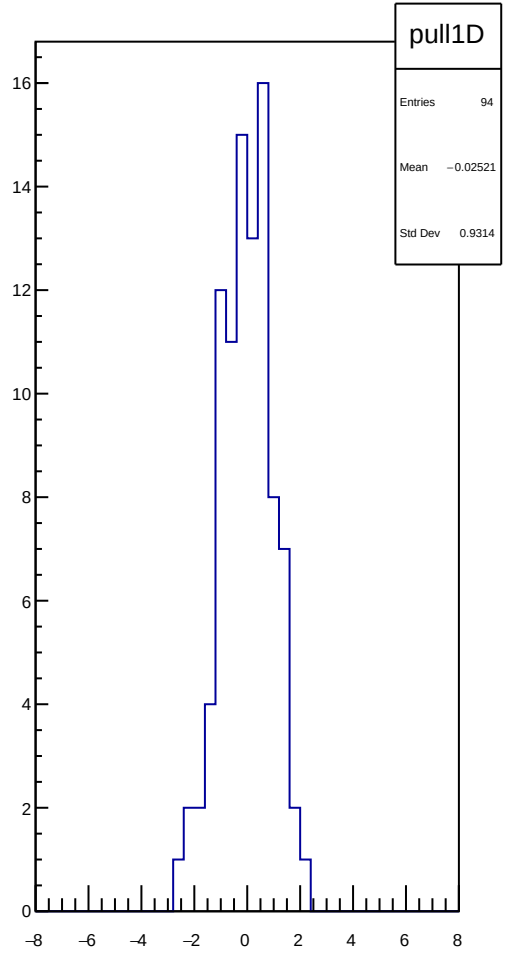

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.657e+04 / 93
p0 191.8 ± 0.1447
600
500
400
300
200

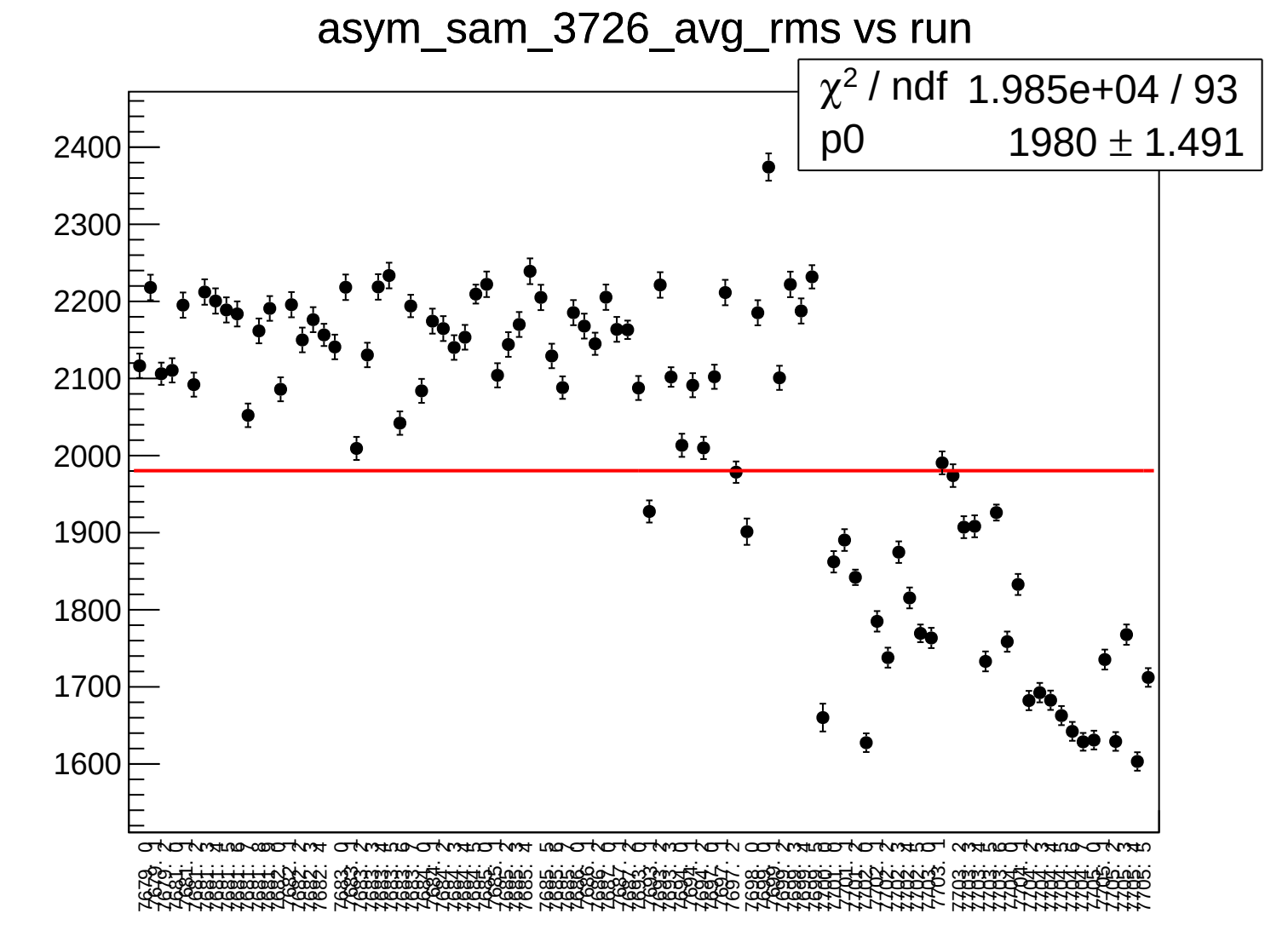

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 83.34 / 93
p0 492.7 ± 2103
×10³
pull
Entries 94
Mean −202.6
Std Dev 254.5

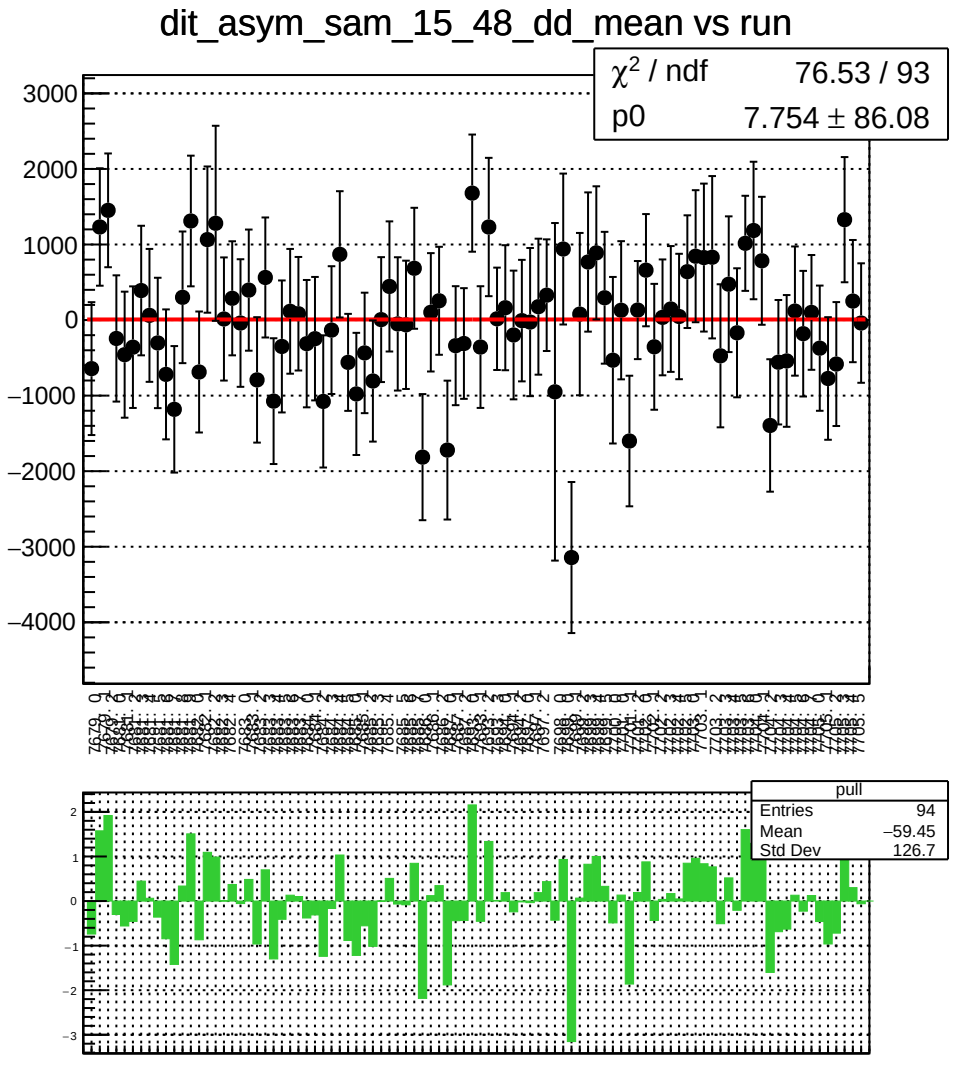

pull1D
Entries 94
Mean 0.02351
Std Dev 0.9413

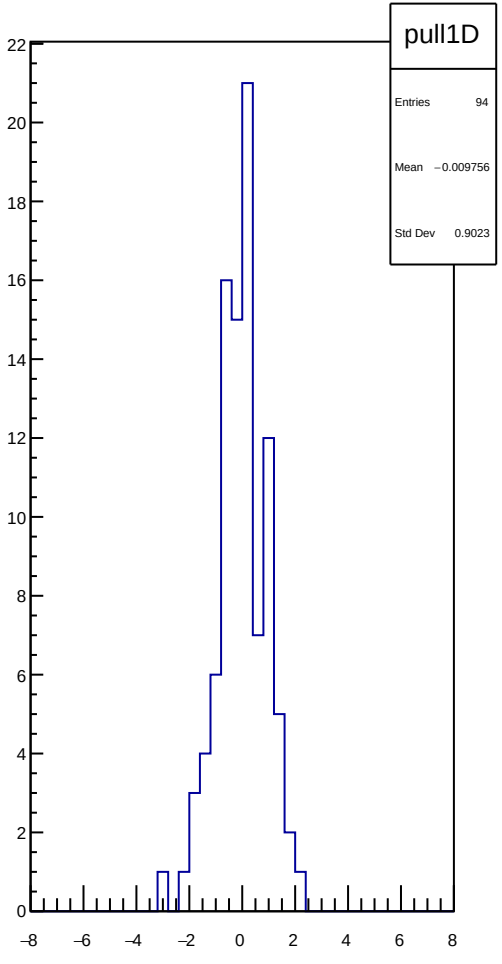

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.964e+04 / 93
p0 1976 ± 1.487
2300
2200
2100
2000
1900
1800
1700
1600

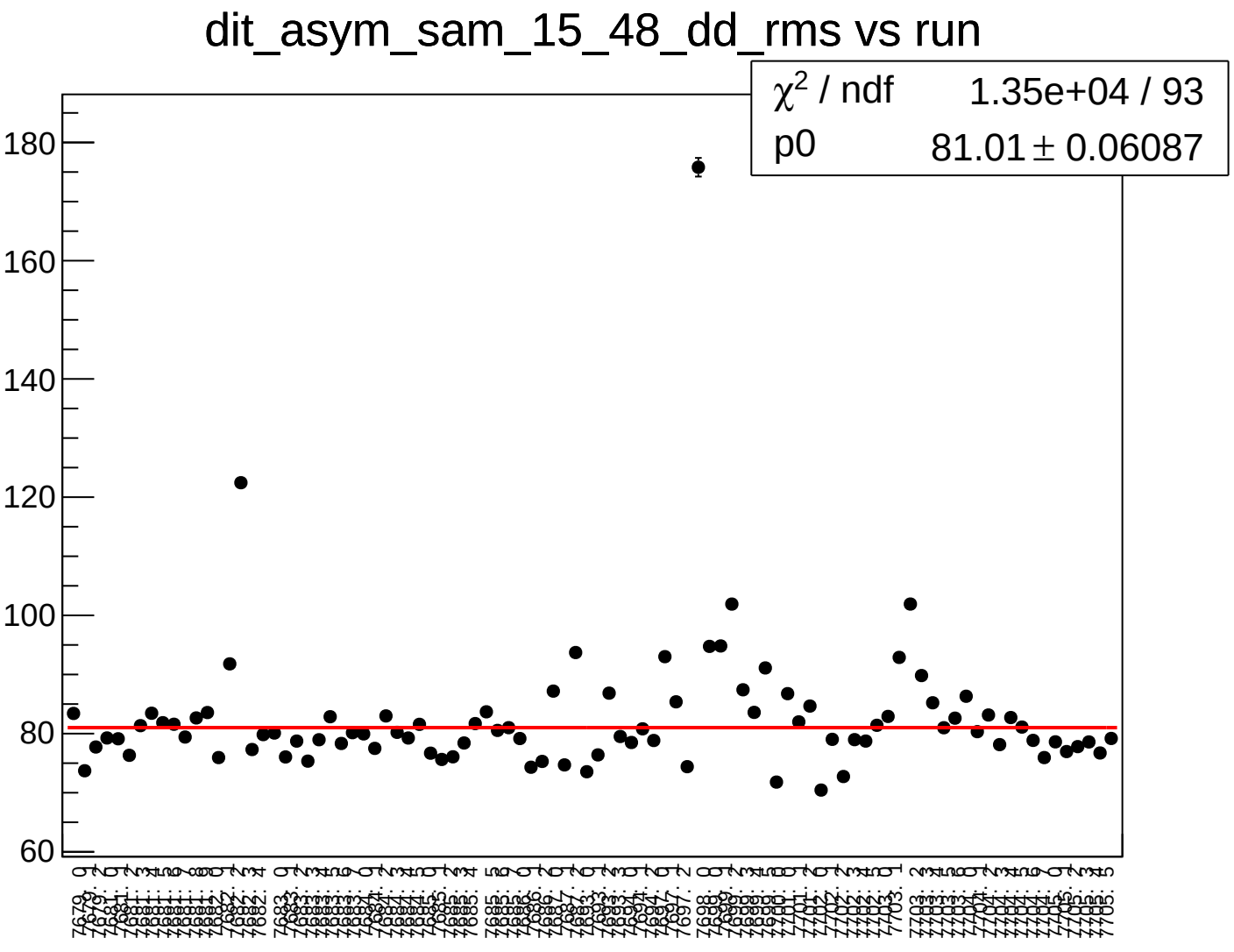

asym_sam_3726_avg_mean vs run
χ² / ndf 81.61 / 93
p0 −420.2 ± 2108
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 94
Mean −180.4
Std Dev 232.4
2
1
0
−1
−2

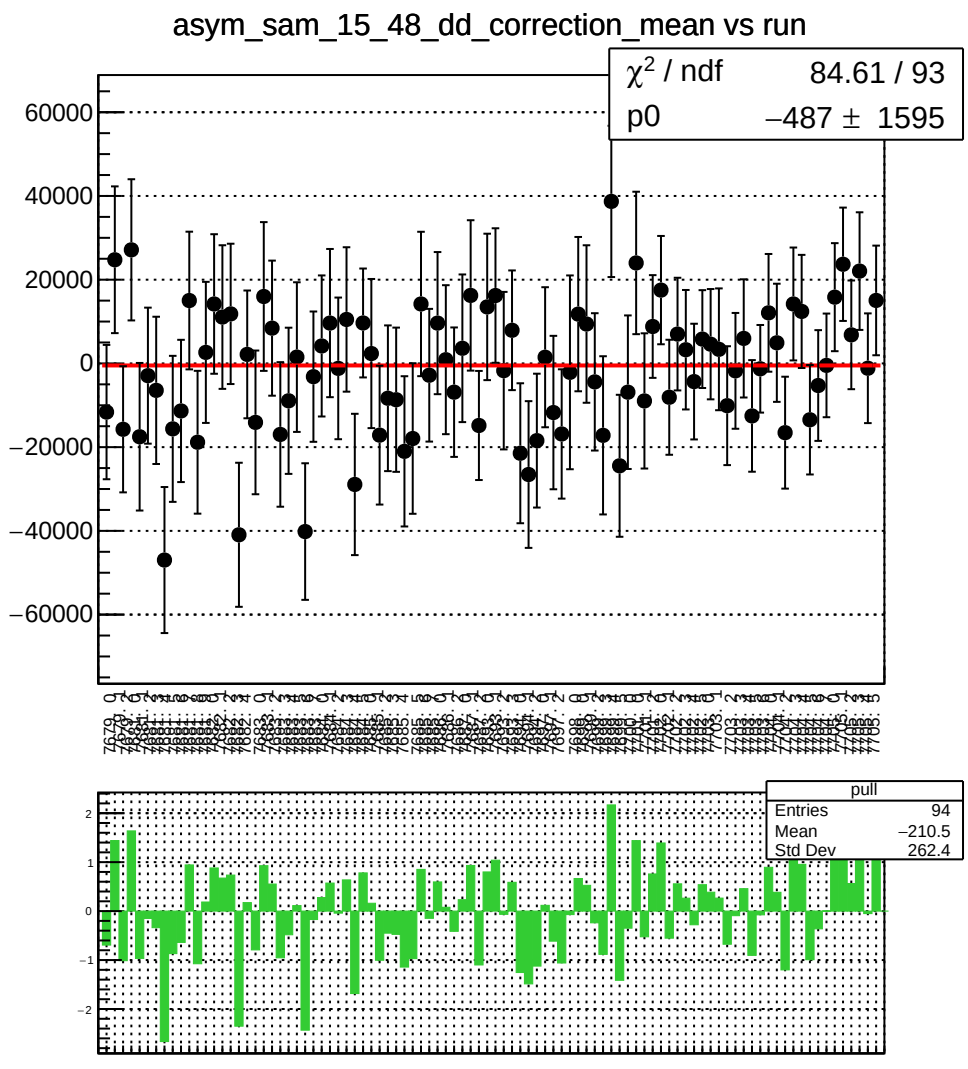

pull1D
Entries 94
Mean −0.02521
Std Dev 0.9314
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

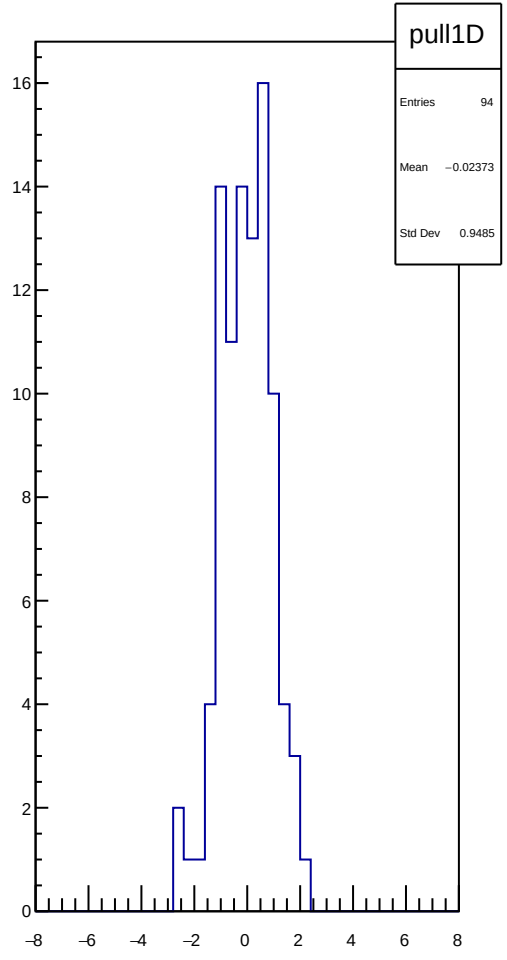

asym_sam_3726_avg_rms vs run
χ² / ndf 1.985e+04 / 93
p0 1980 ± 1.491
2400
2300
2200
2100
2000
1900
1800
1700
1600

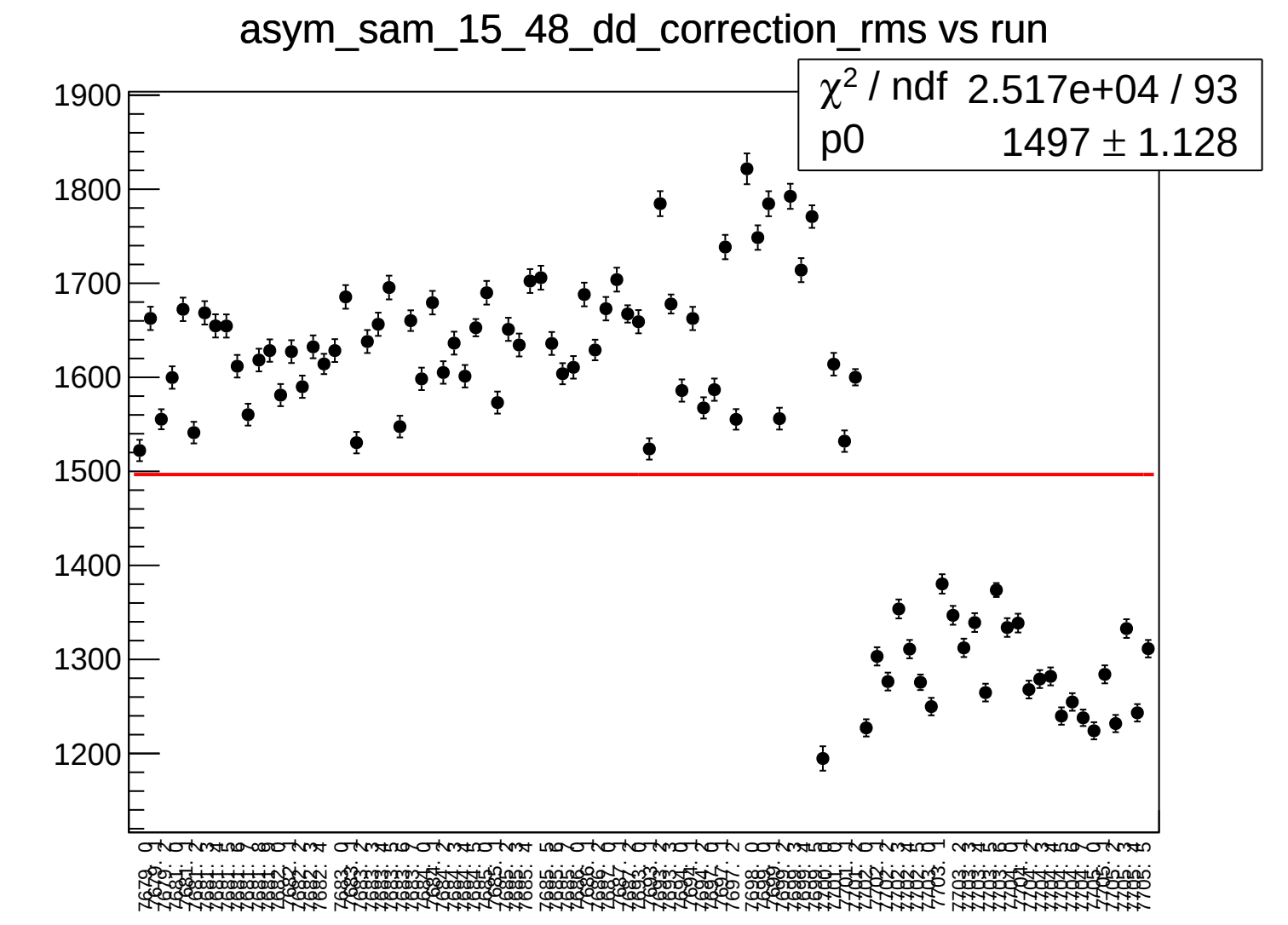

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 76.53 / 93
p0 7.754 ± 86.08
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 94
Mean −59.45
Std Dev 126.7
2
1
0
−1
−2
−3

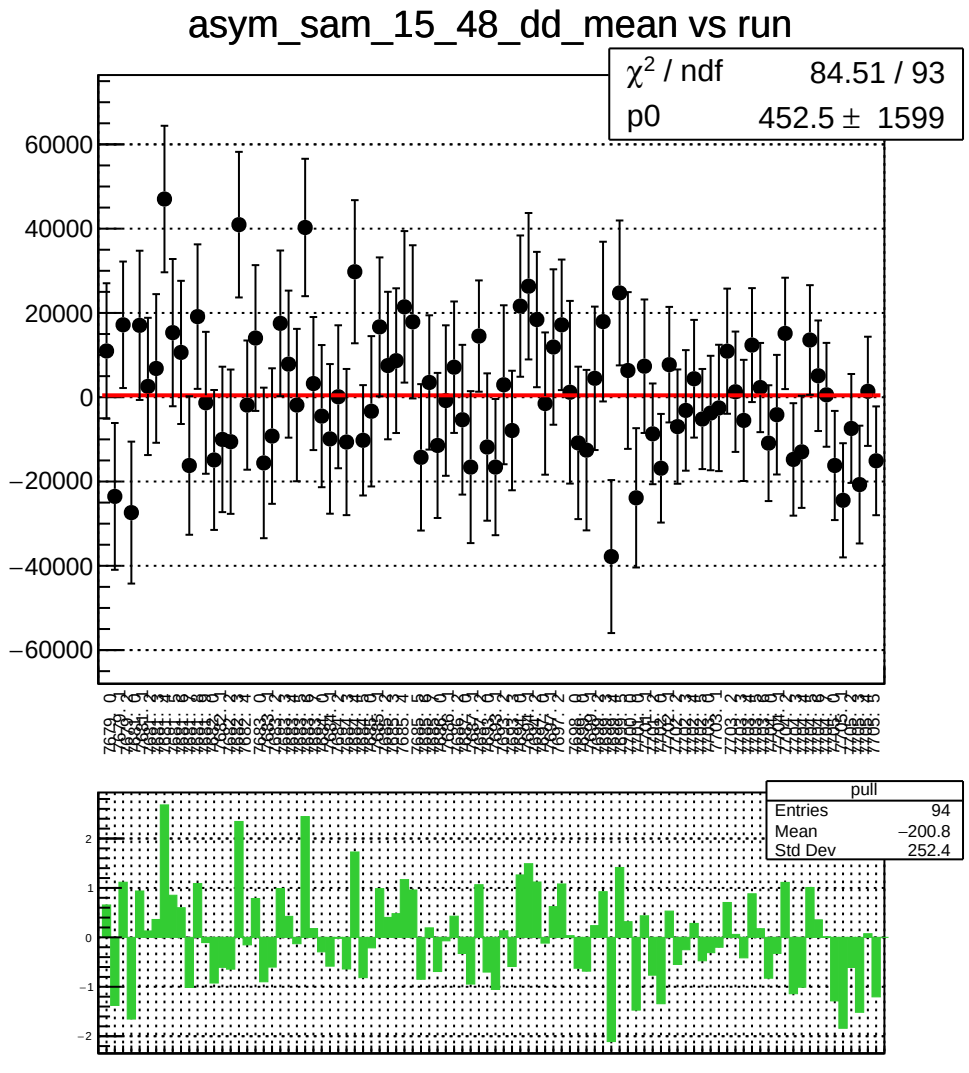

pull1D
Entries 94
Mean −0.009756
Std Dev 0.9023
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

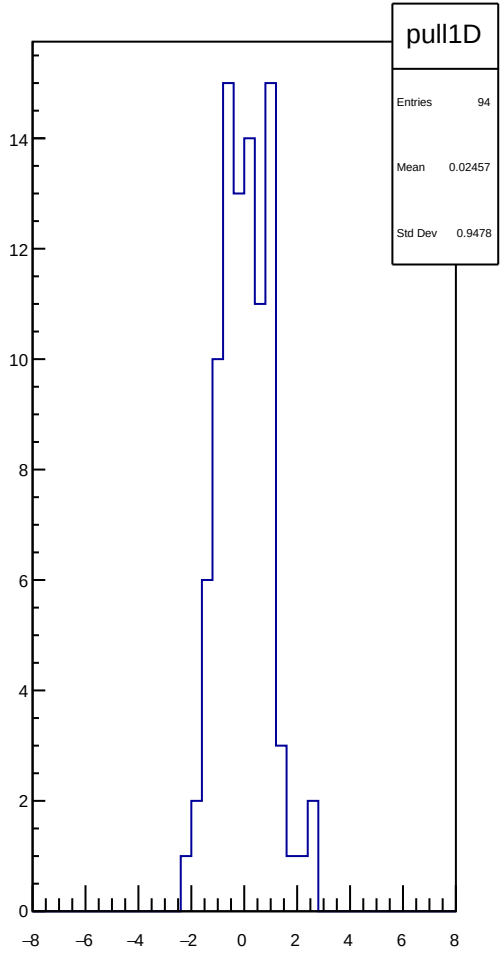

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.35e+04 / 93
p0 81.01 ± 0.06087
180
160
140
120
100
80
60

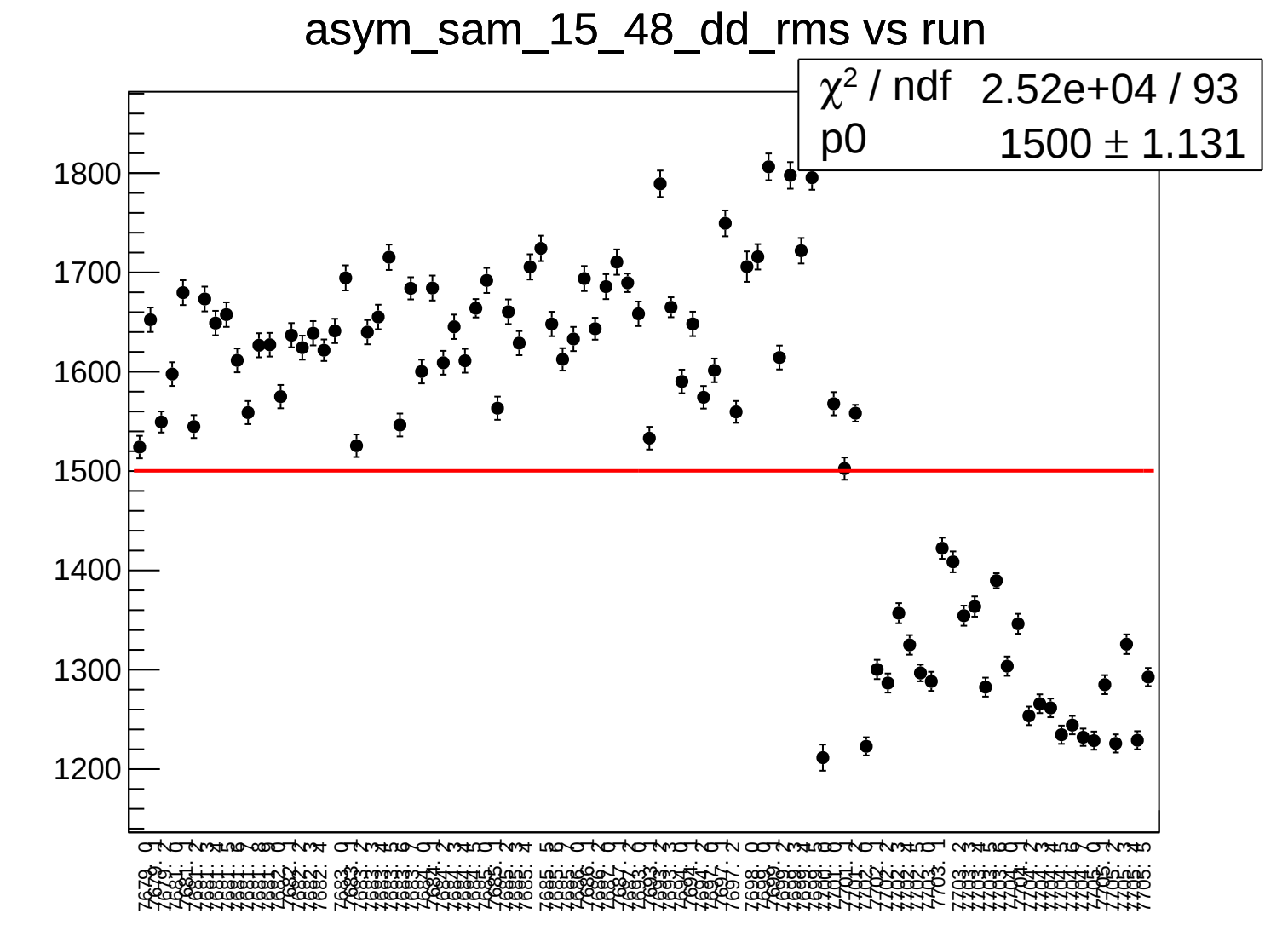

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 84.61 / 93
p0 −487 ± 1595
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean −210.5
Std Dev 262.4
2
1
0
−1
−2

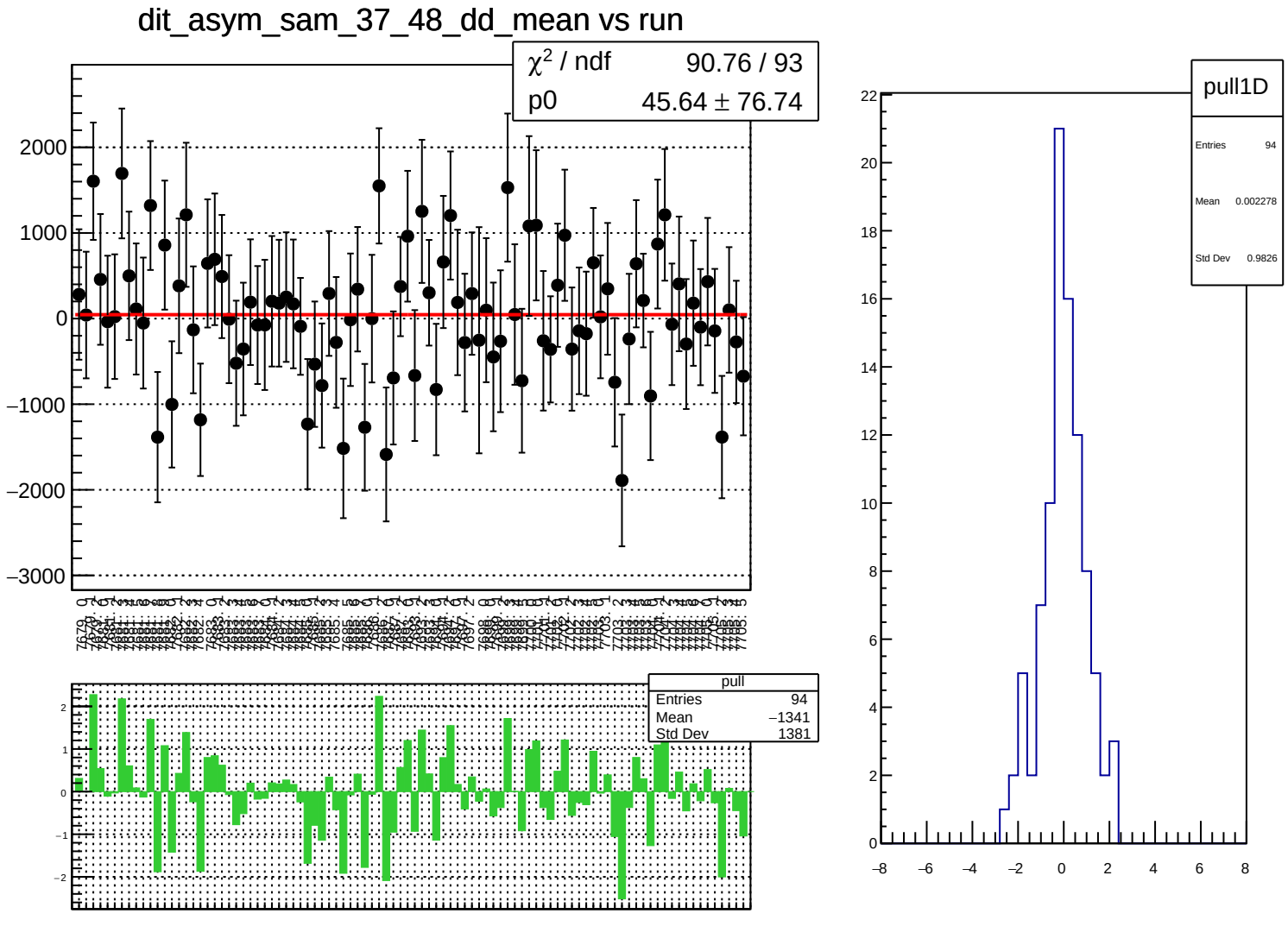

pull1D
Entries 94
Mean −0.02373
Std Dev 0.9485
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

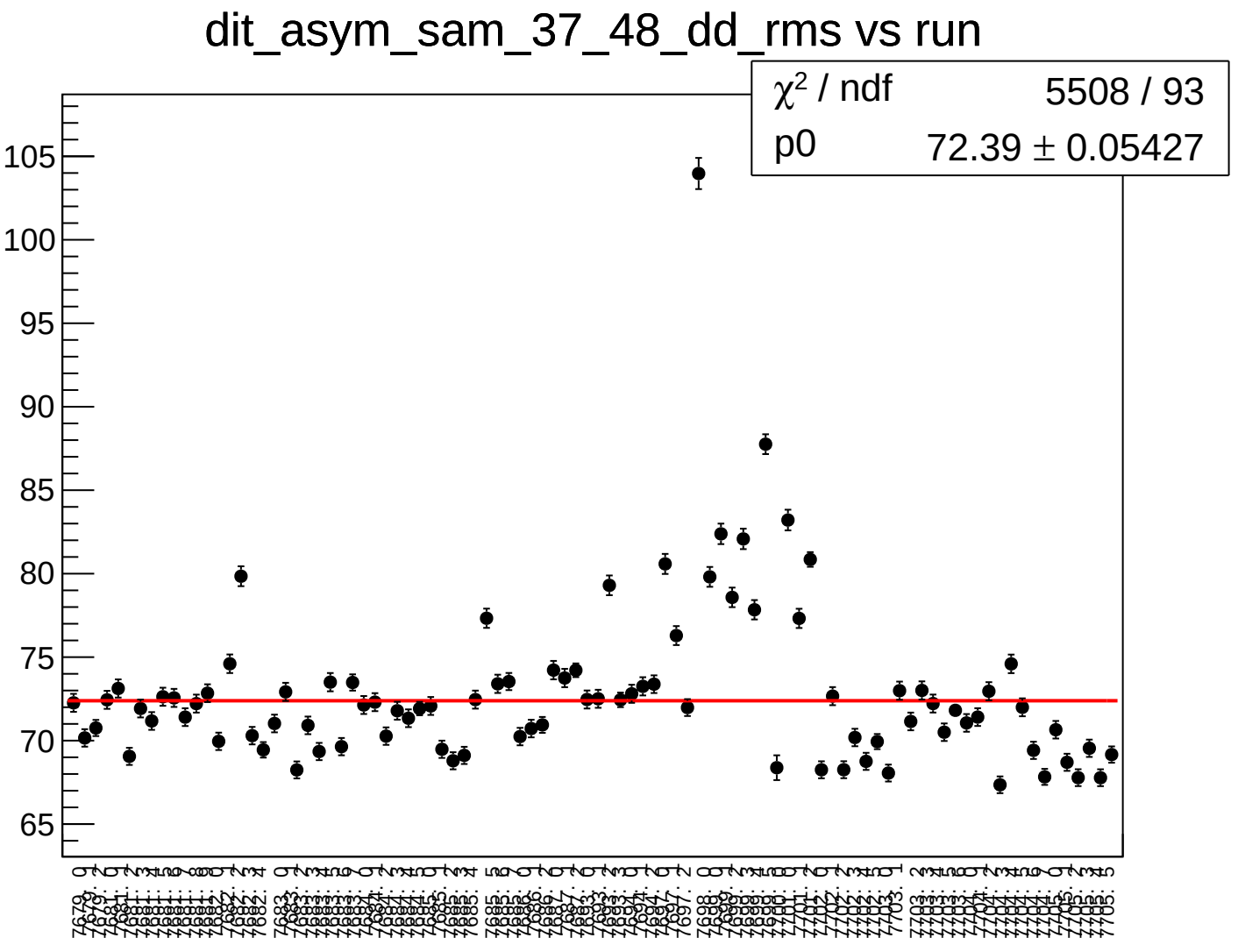

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 2.517e+04 / 93
p0 1497 ± 1.128
1900
1800
1700
1600
1500
1400
1300
1200

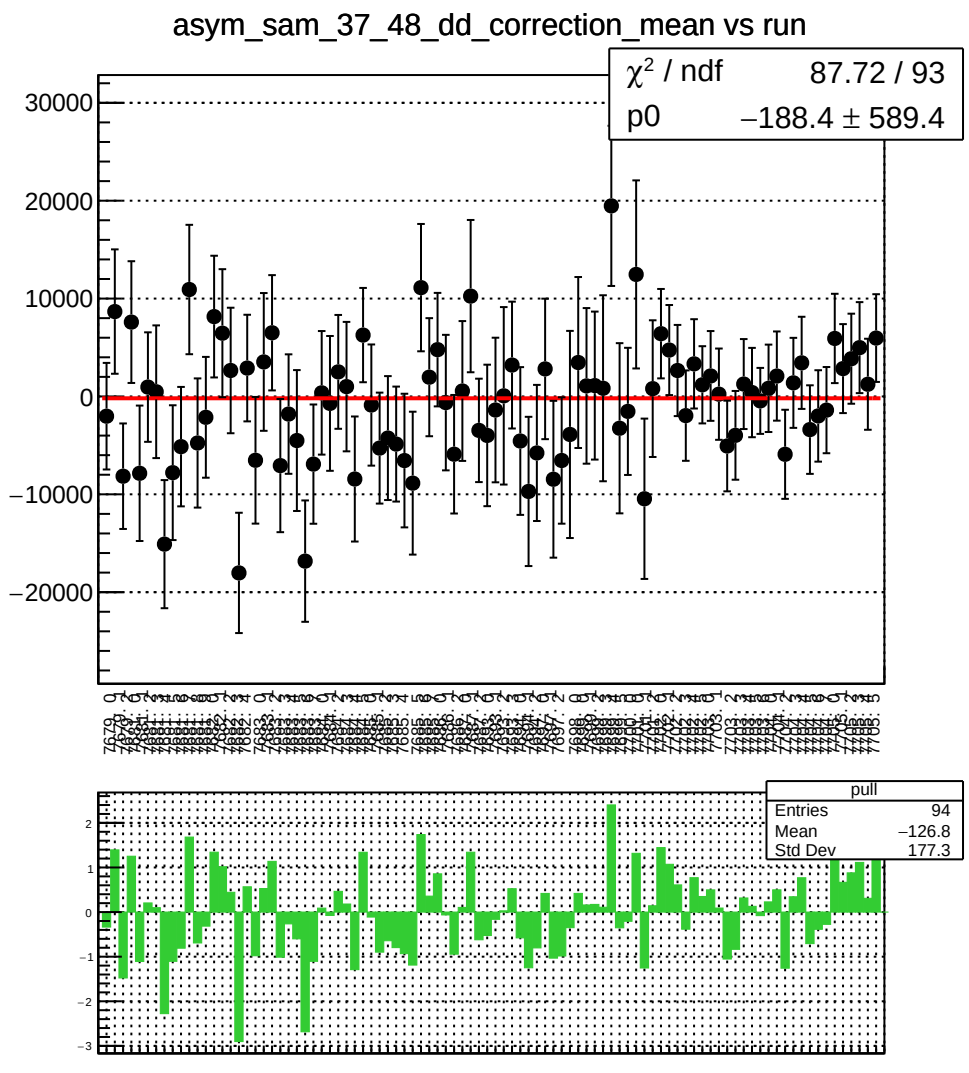

asym_sam_15_48_dd_mean vs run
χ² / ndf 84.51 / 93
p0 452.5 ± 1599
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean −200.8
Std Dev 252.4
2
1
0
−1
−2

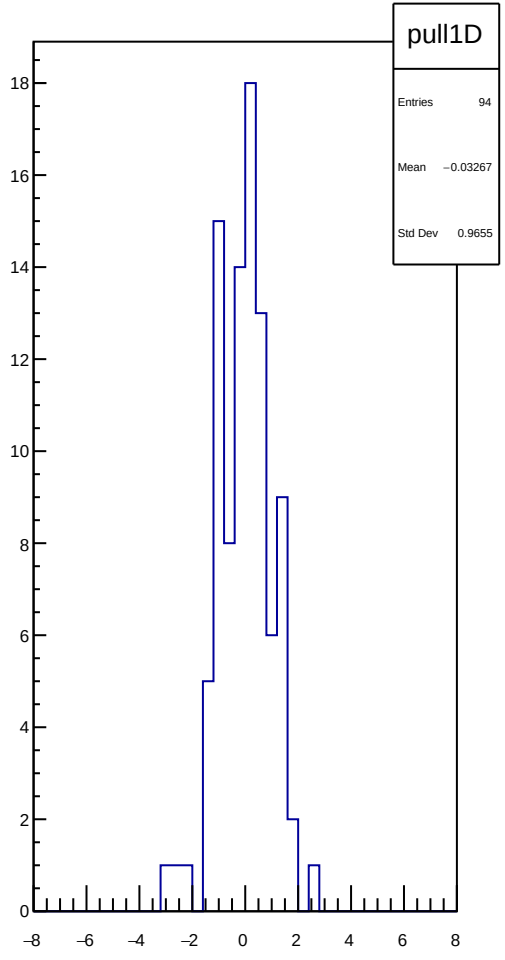

pull1D
Entries 94
Mean 0.02457
Std Dev 0.9478
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

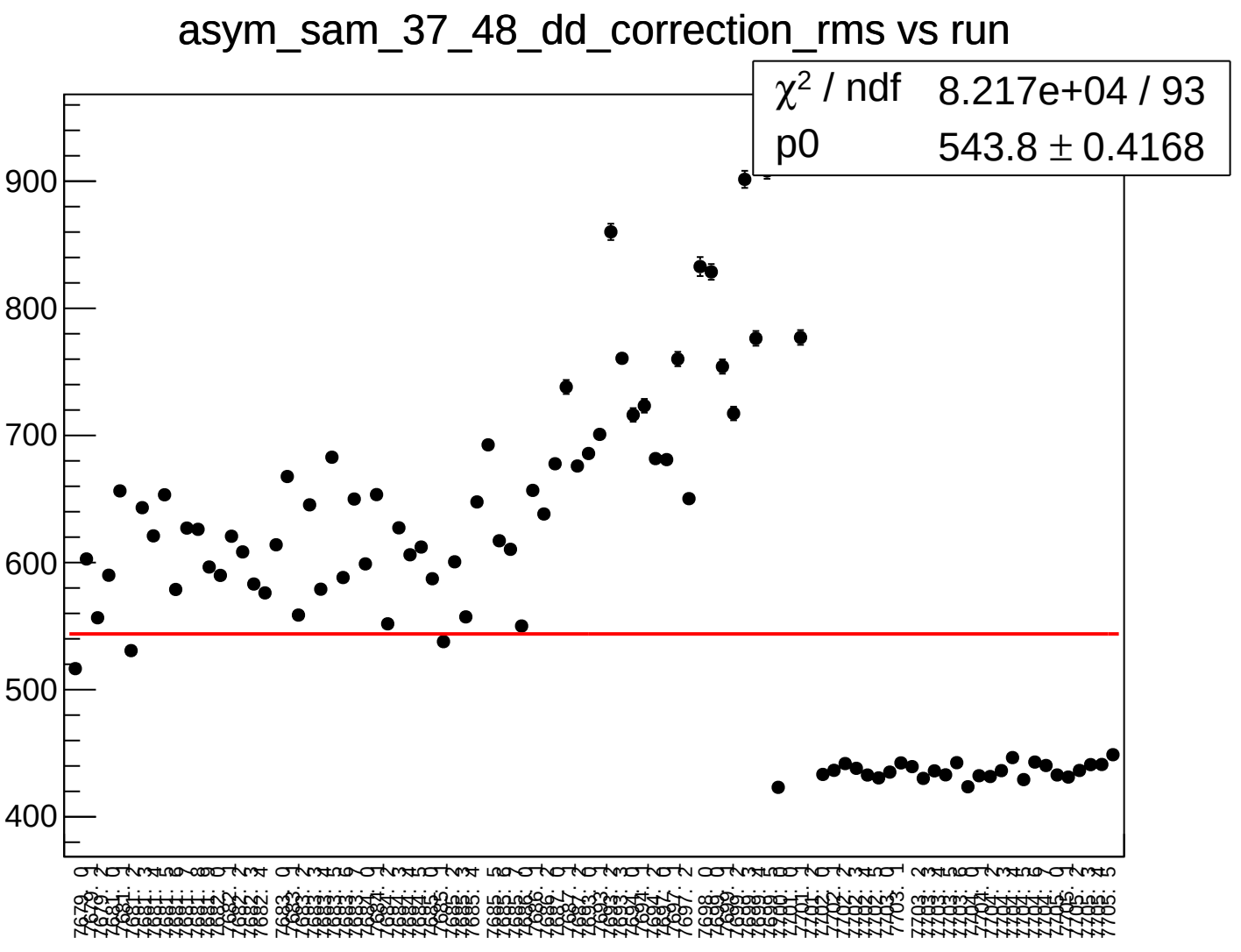

asym_sam_15_48_dd_rms vs run
χ² / ndf 2.52e+04 / 93
p0 1500 ± 1.131
1800
1700
1600
1500
1400
1300
1200

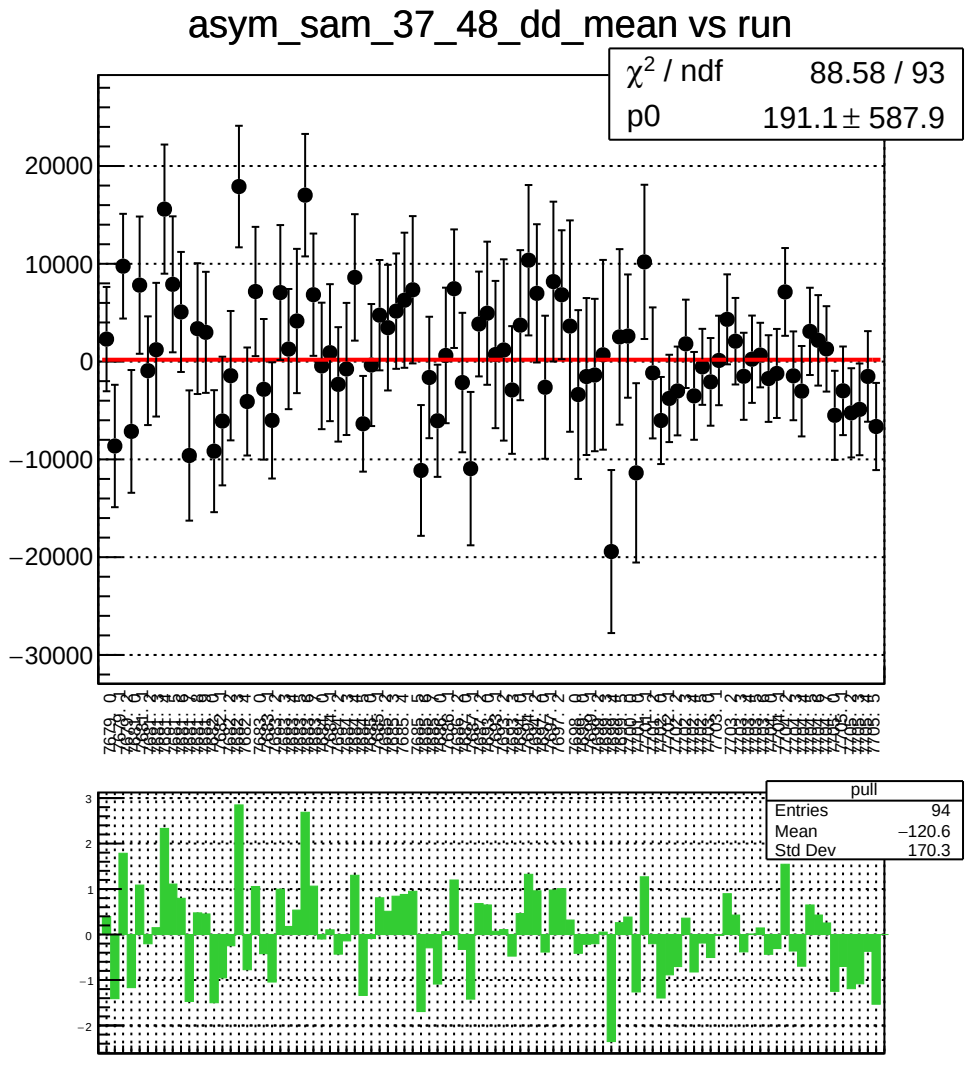

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 90.76 / 93
p0 45.64 ± 76.74
2000
1000
0
−1000
−2000
−3000
pull
Entries 94
Mean −1341
Std Dev 1381
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.002278
Std Dev 0.9826
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

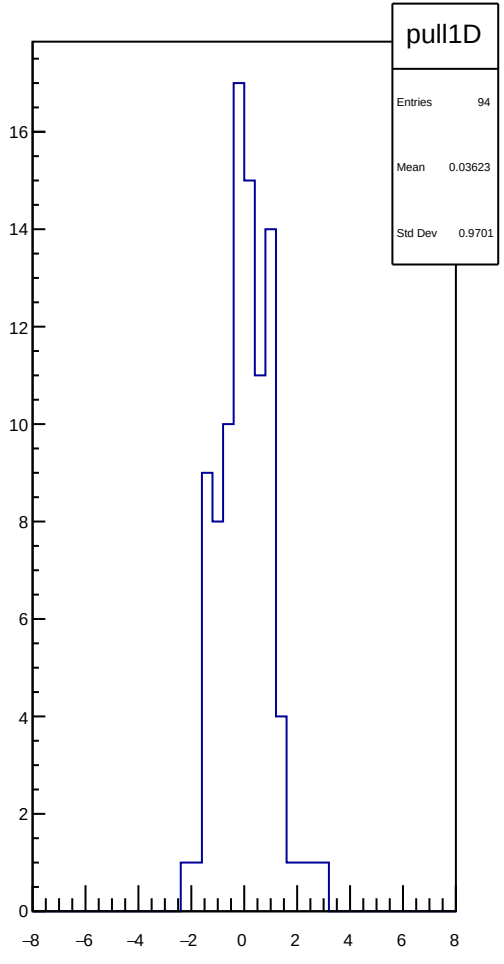

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 5508 / 93
p0 72.39 ± 0.05427
105
100
95
90
85
80
75
70
65

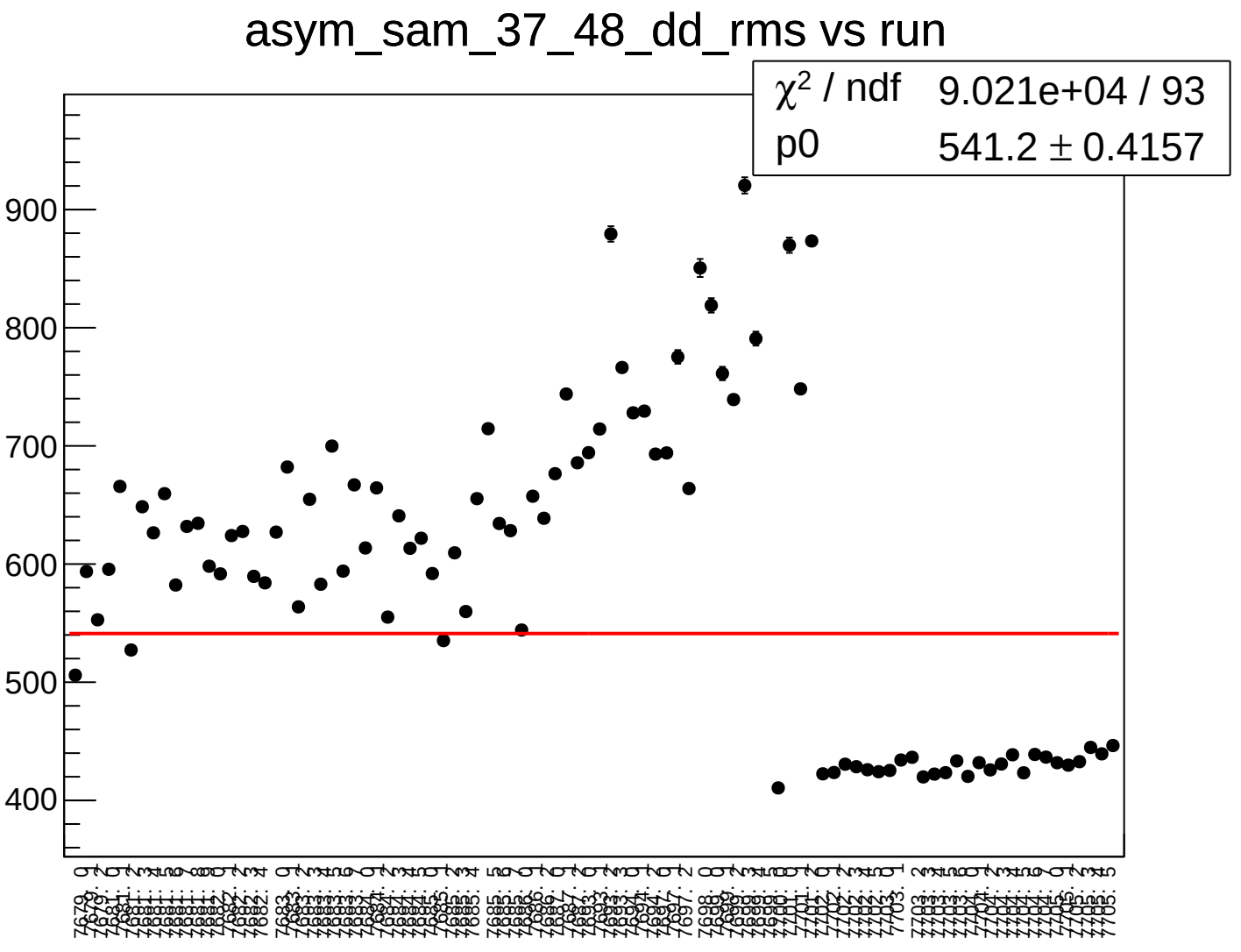

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 87.72 / 93
p0 −188.4 ± 589.4
30000
20000
10000
0
−10000
−20000
pull
Entries 94
Mean −126.8
Std Dev 177.3
2
1
0
−1
−2
−3

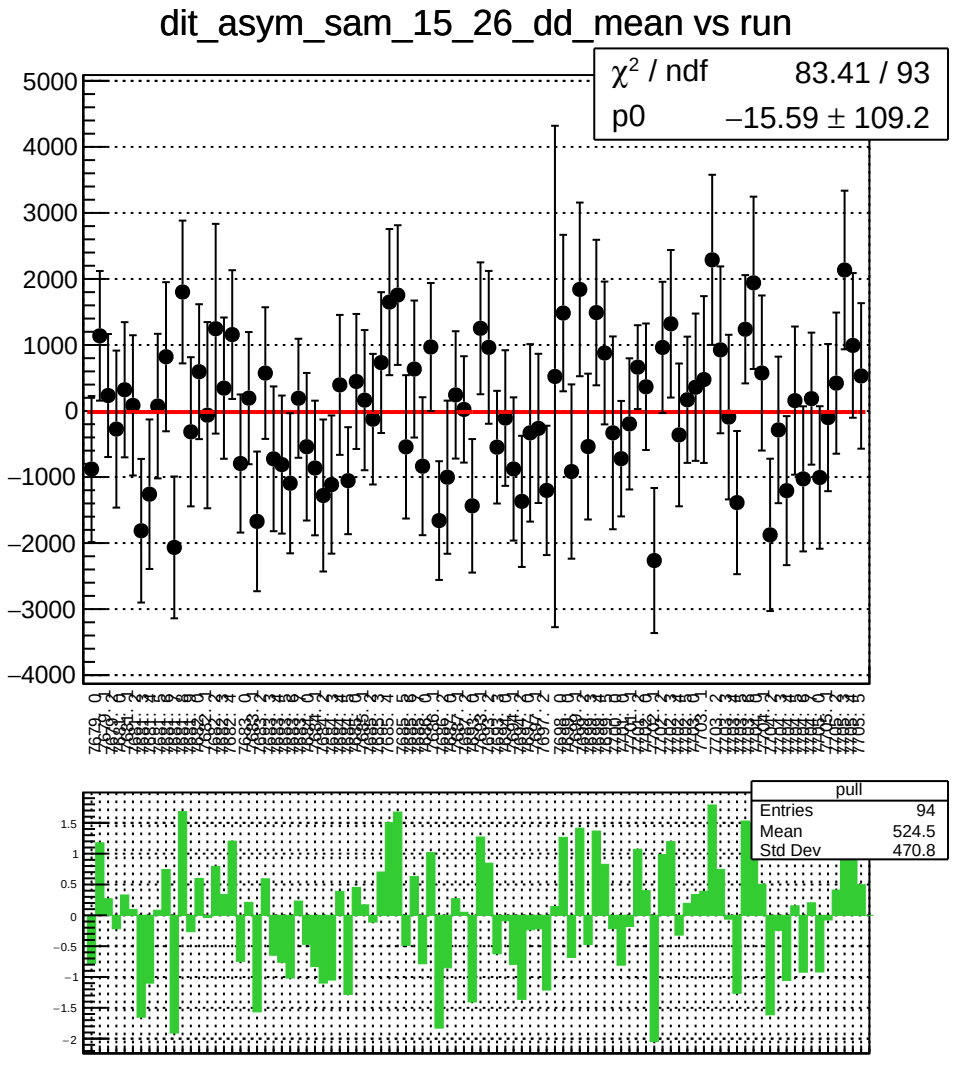

pull1D
Entries 94
Mean −0.03267
Std Dev 0.9655
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

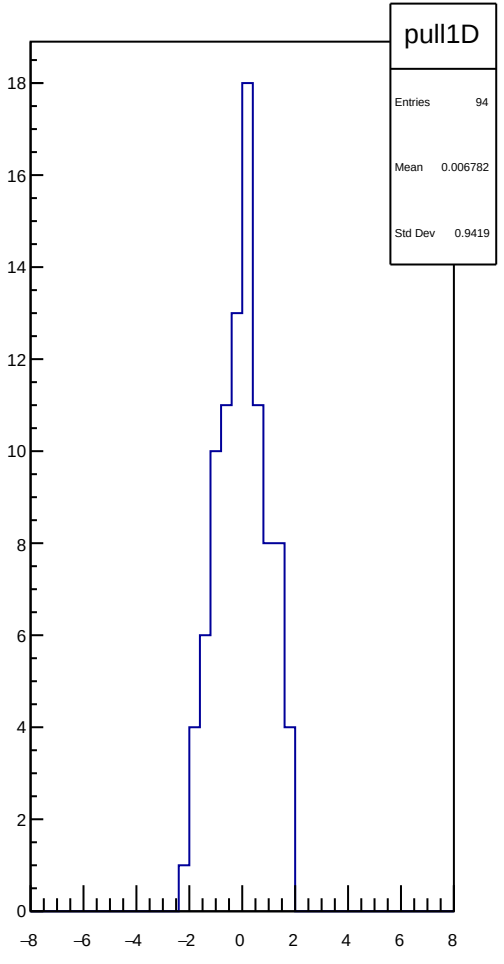

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 8.217e+04 / 93
p0 543.8 ± 0.4168
900
800
700
600
500
400

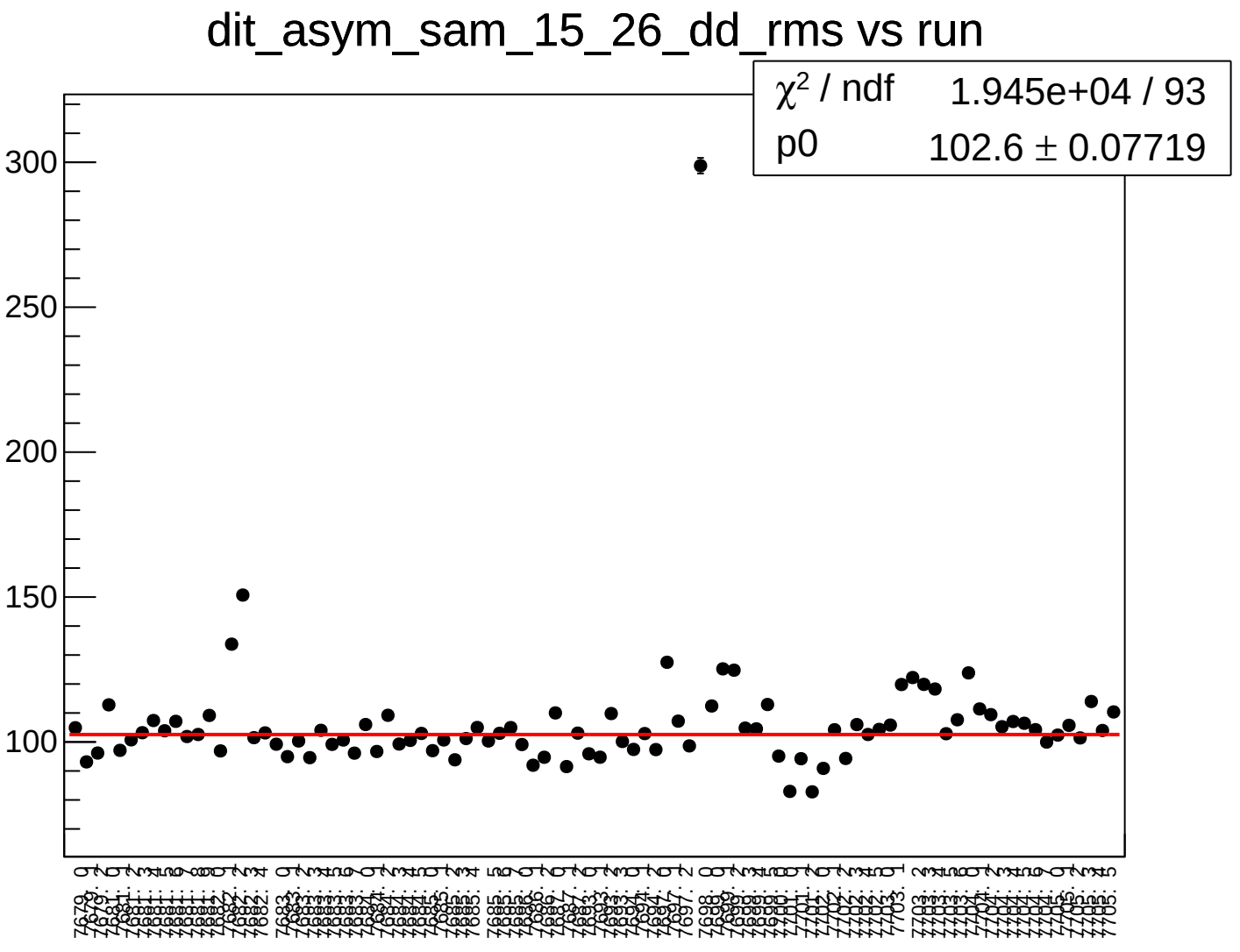

asym_sam_37_48_dd_mean vs run
χ² / ndf 88.58 / 93
p0 191.1 ± 587.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean −120.6
Std Dev 170.3
3
2
1
0
−1
−2

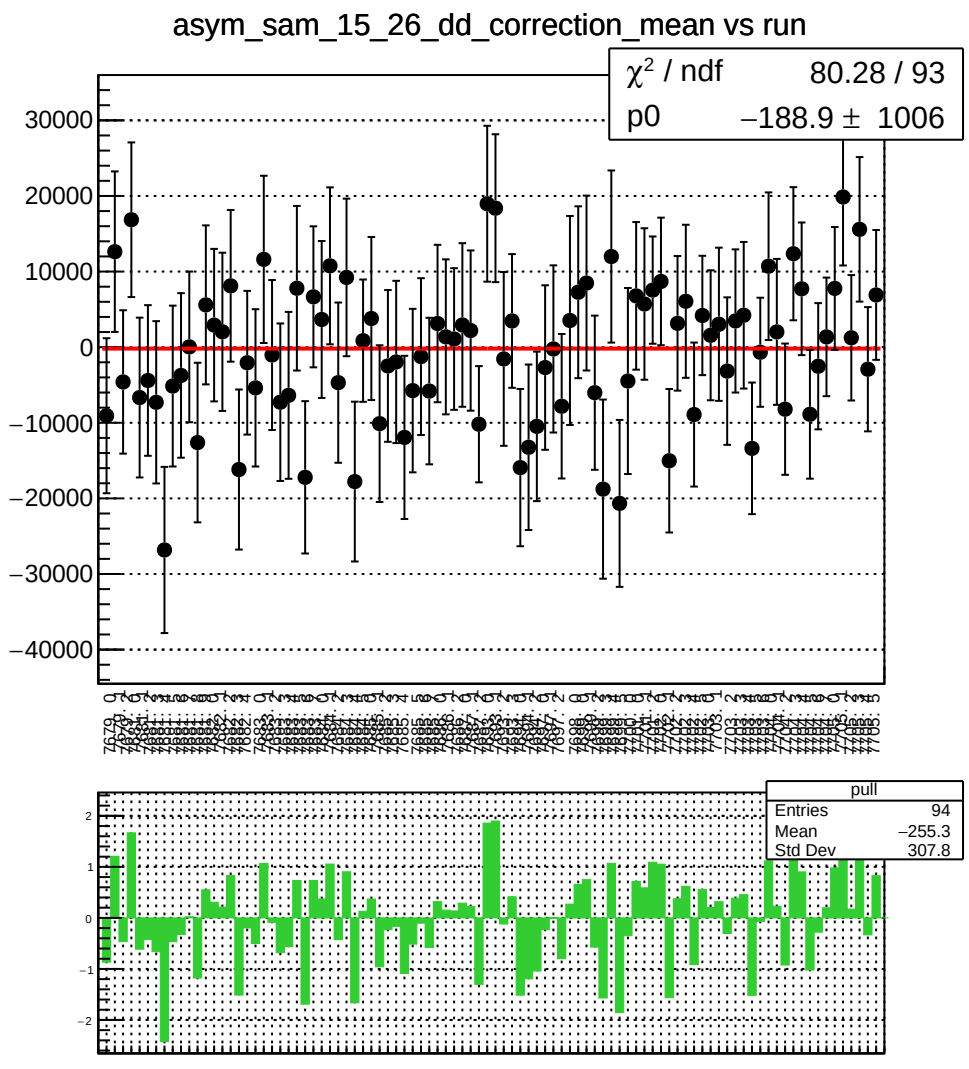

pull1D
Entries 94
Mean 0.03623
Std Dev 0.9701
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

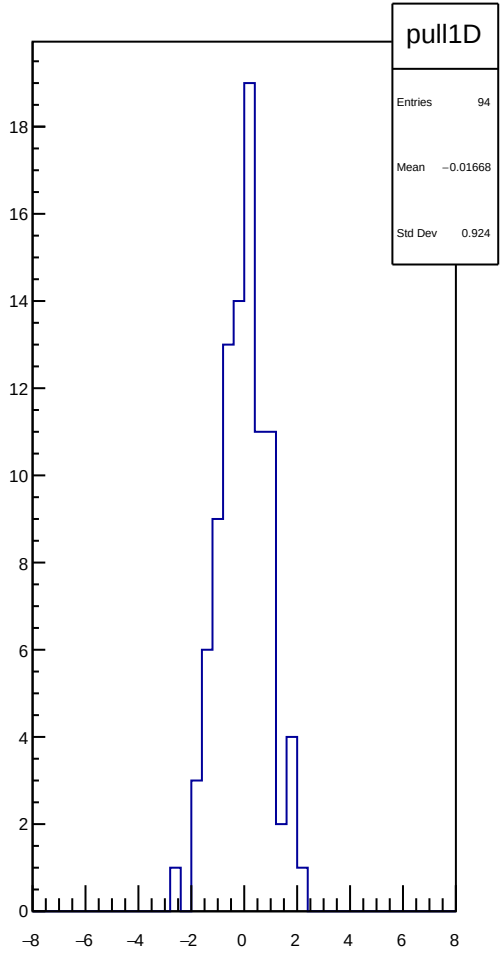

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 9.021e+04 / 93
p0 541.2 ± 0.4157
900
800
700
600
500
400

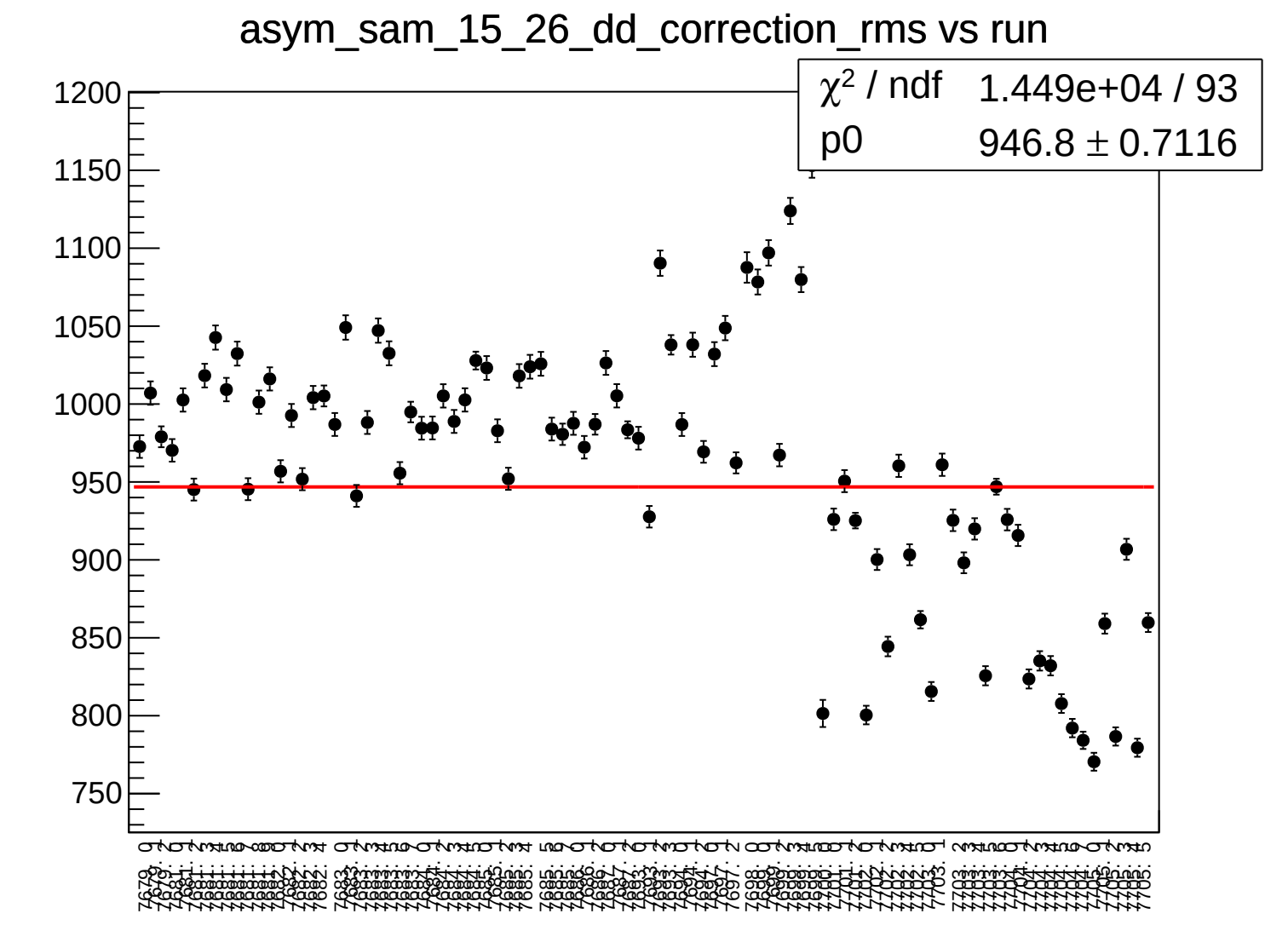

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 83.41 / 93
p0 −15.59 ± 109.2
pull
Entries 94
Mean 524.5
Std Dev 470.8

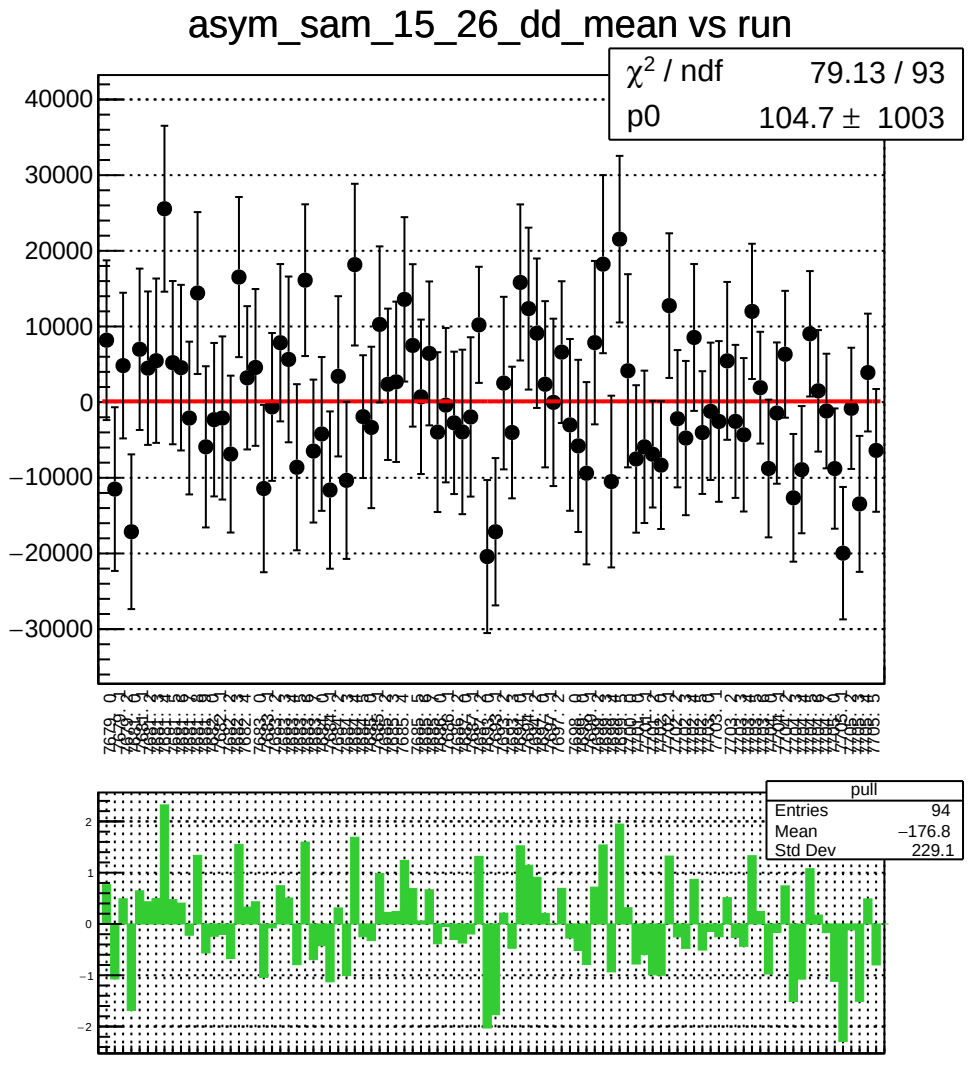

pull1D
Entries 94
Mean 0.006782
Std Dev 0.9419

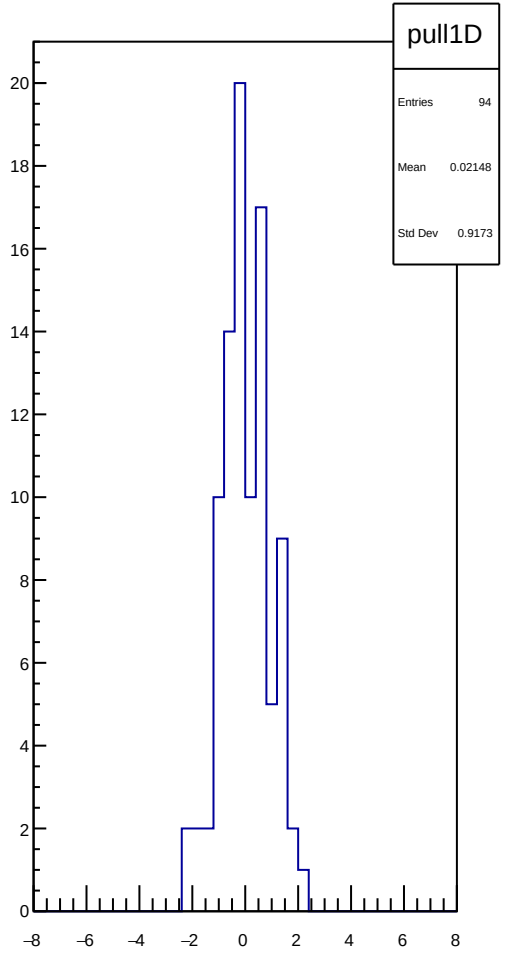

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.945e+04 / 93
p0 102.6 ± 0.07719
300
250
200
150
100

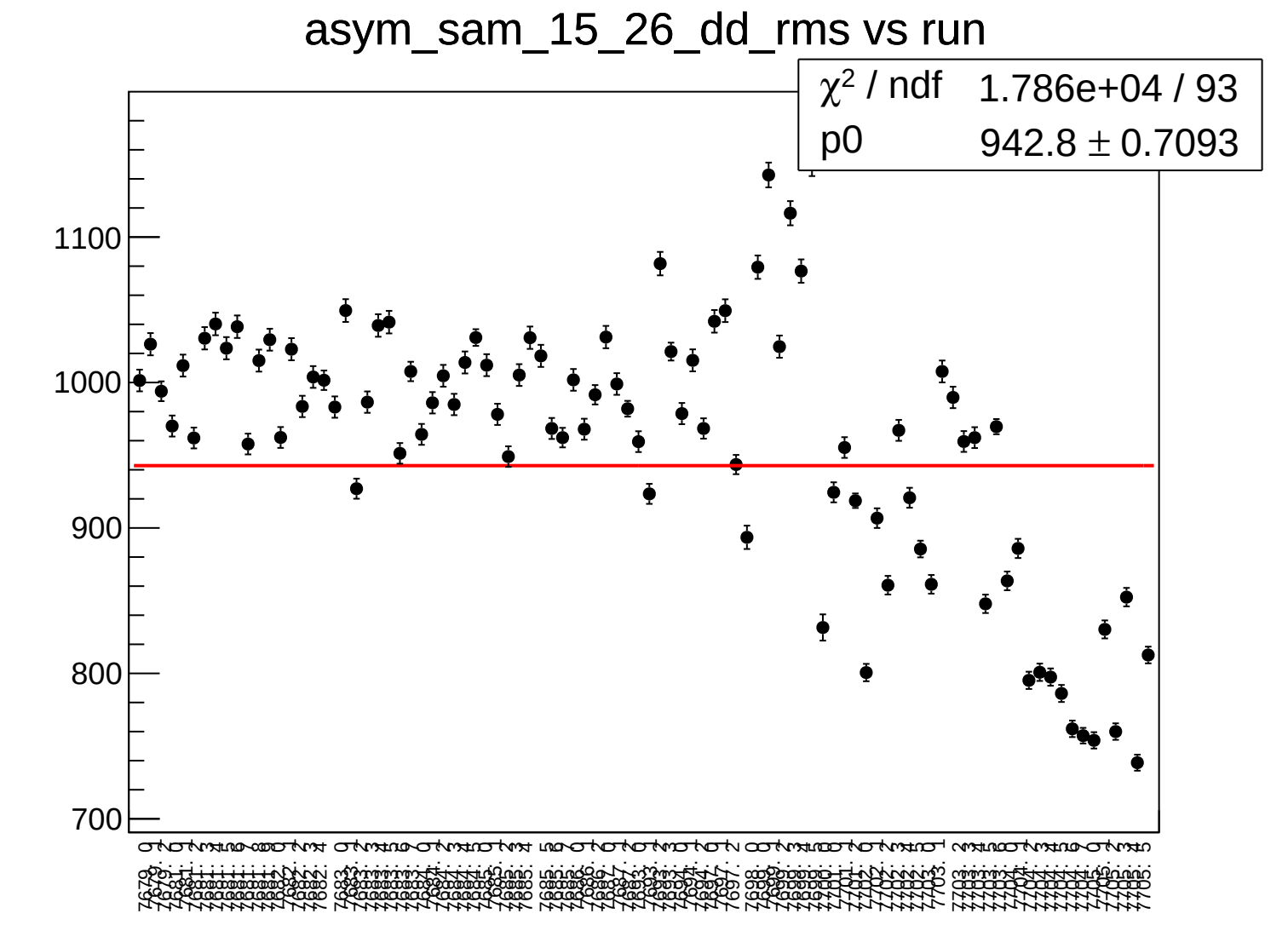

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 80.28 / 93
p0 −188.9 ± 1006
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 94
Mean −255.3
Std Dev 307.8
2
1
0
−1
−2

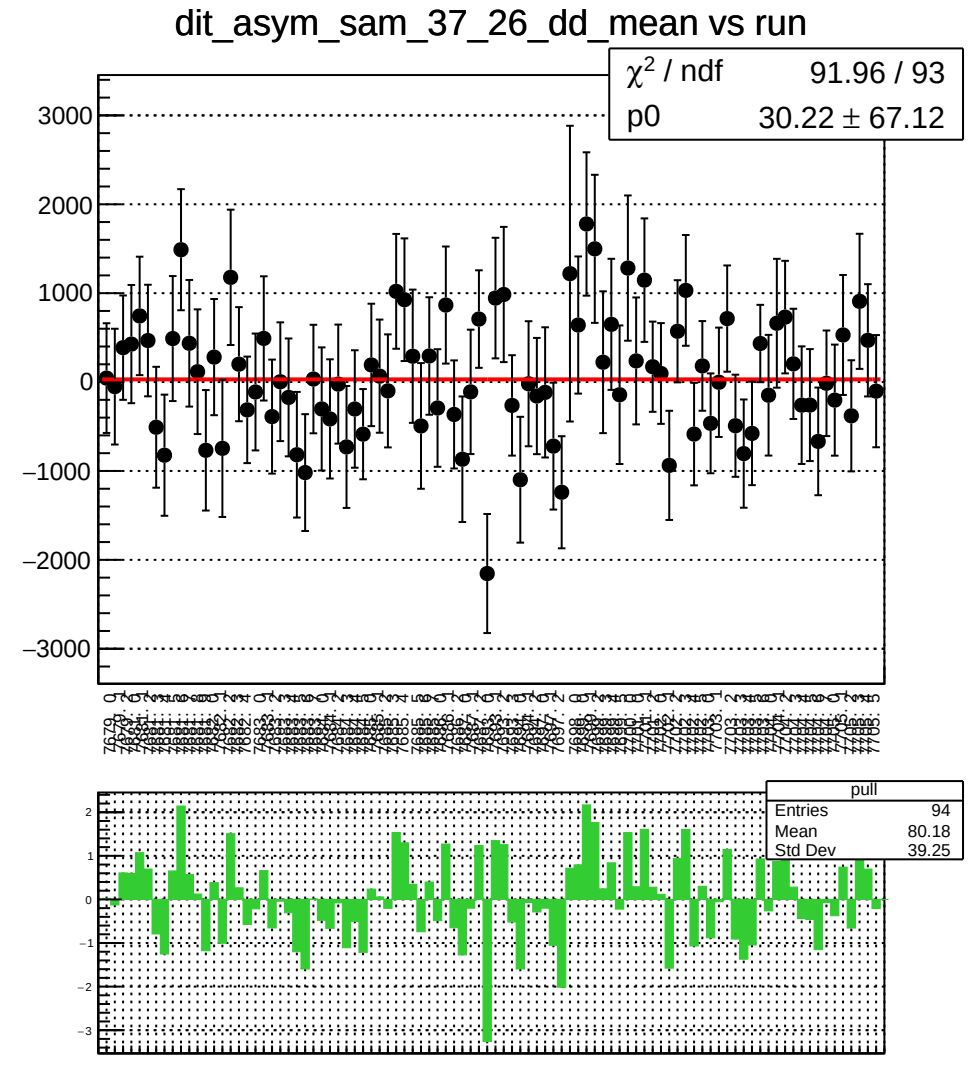

pull1D
Entries 94
Mean −0.01668
Std Dev 0.924
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

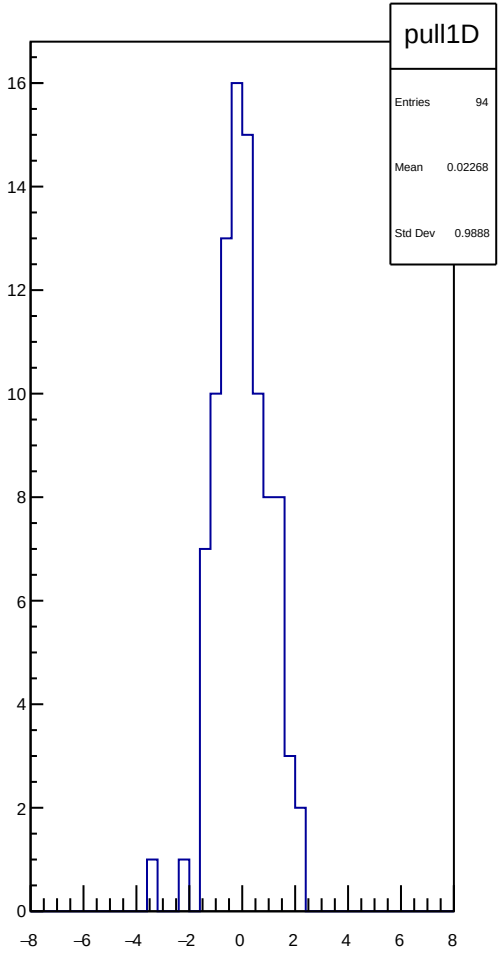

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1.449e+04 / 93
p0 946.8 ± 0.7116
1200
1150
1100
1050
1000
950
900
850
800
750

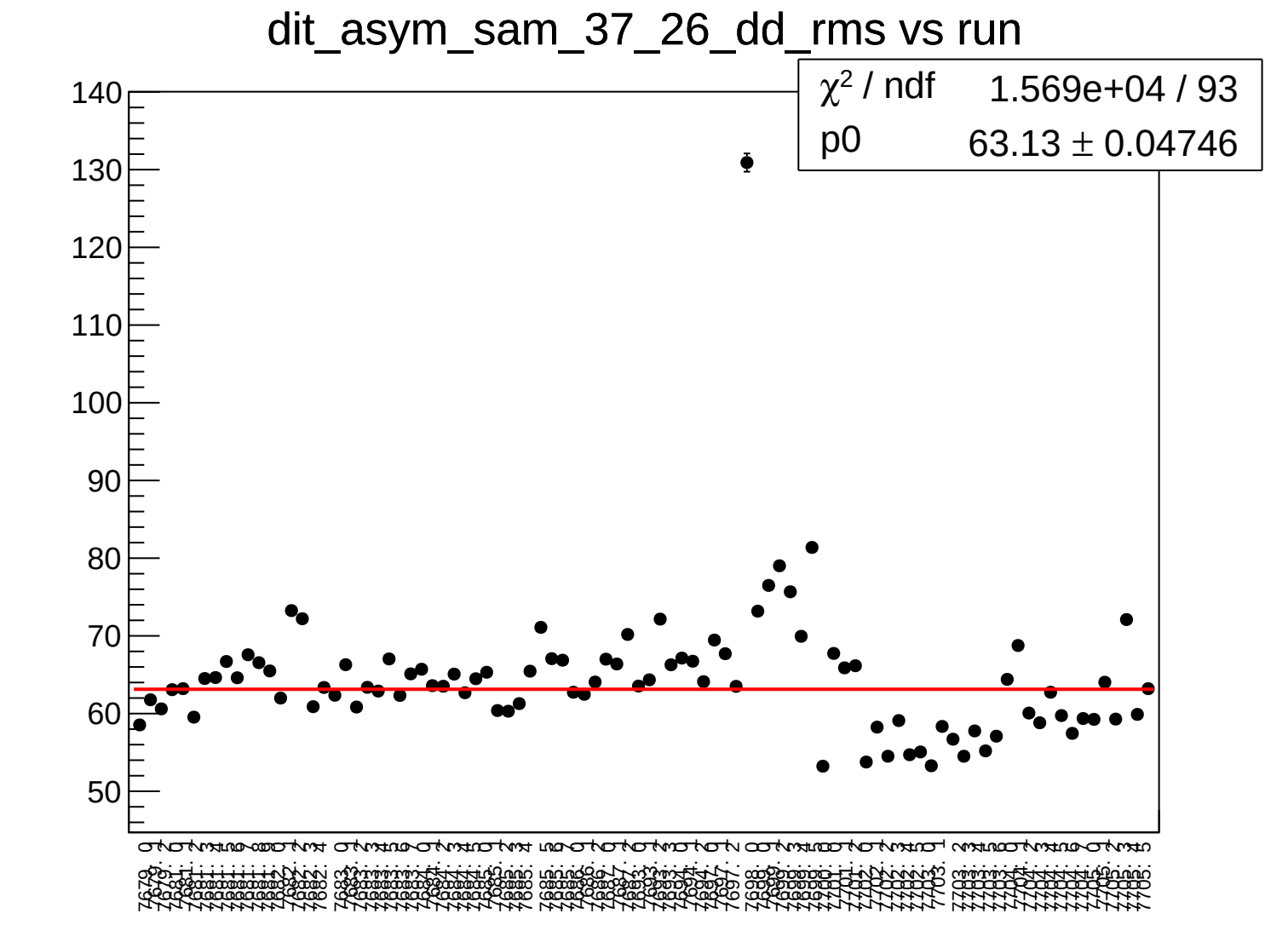

asym_sam_15_26_dd_mean vs run
χ² / ndf 79.13 / 93
p0 104.7 ± 1003
pull
Entries 94
Mean −176.8
Std Dev 229.1

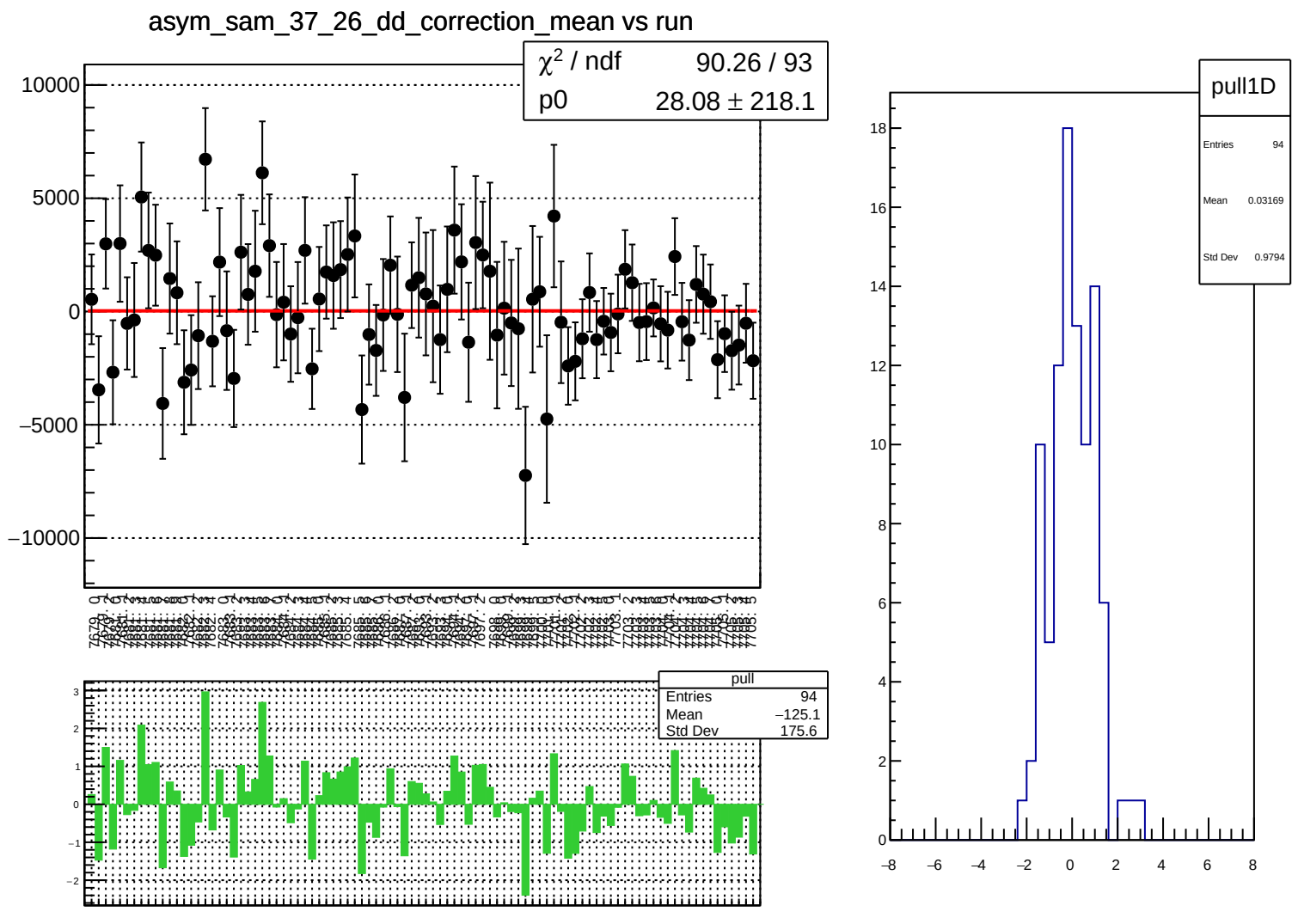

pull1D
Entries 94
Mean 0.02148
Std Dev 0.9173

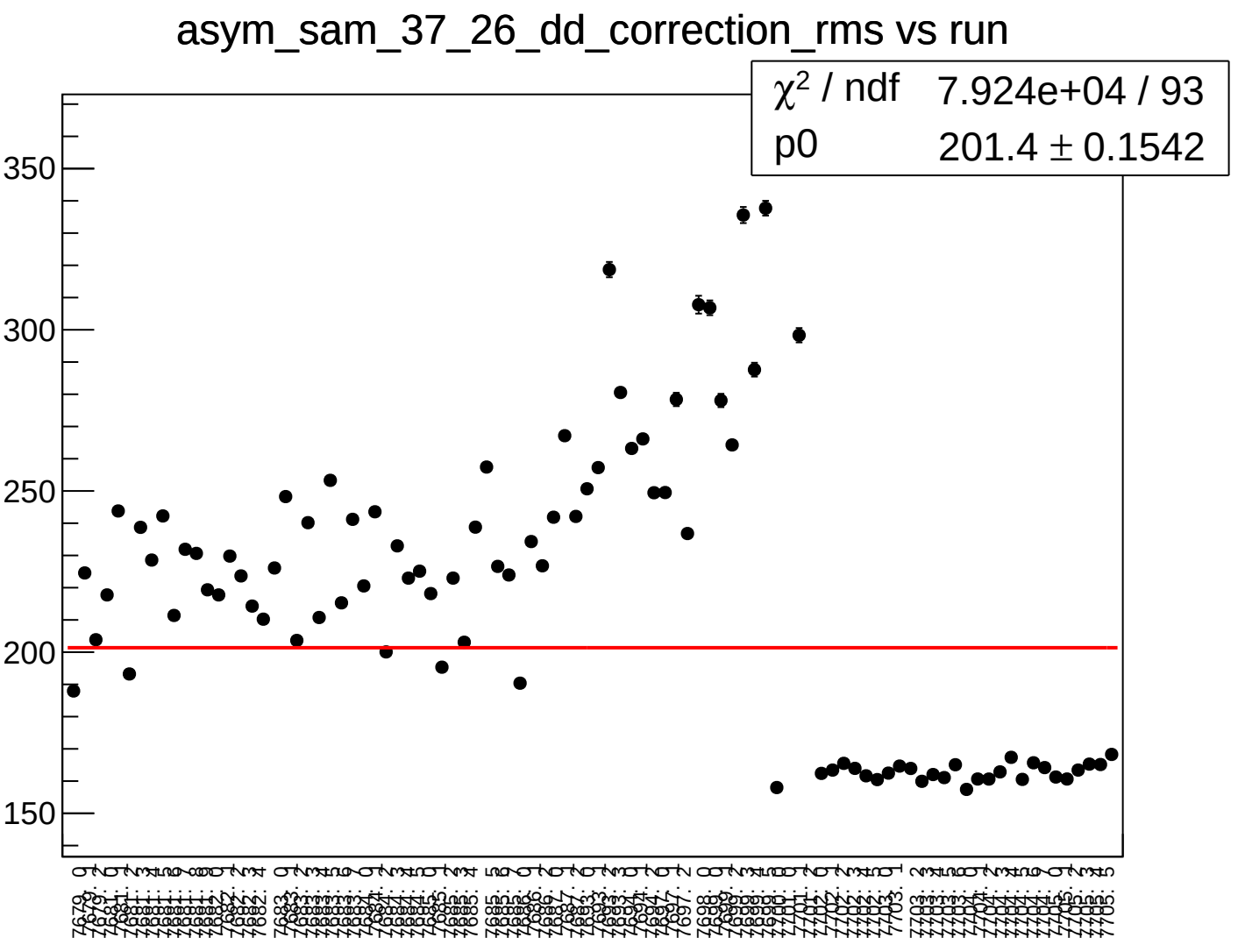

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.786e+04 / 93
p0 942.8 ± 0.7093
1100
1000
900
800
700

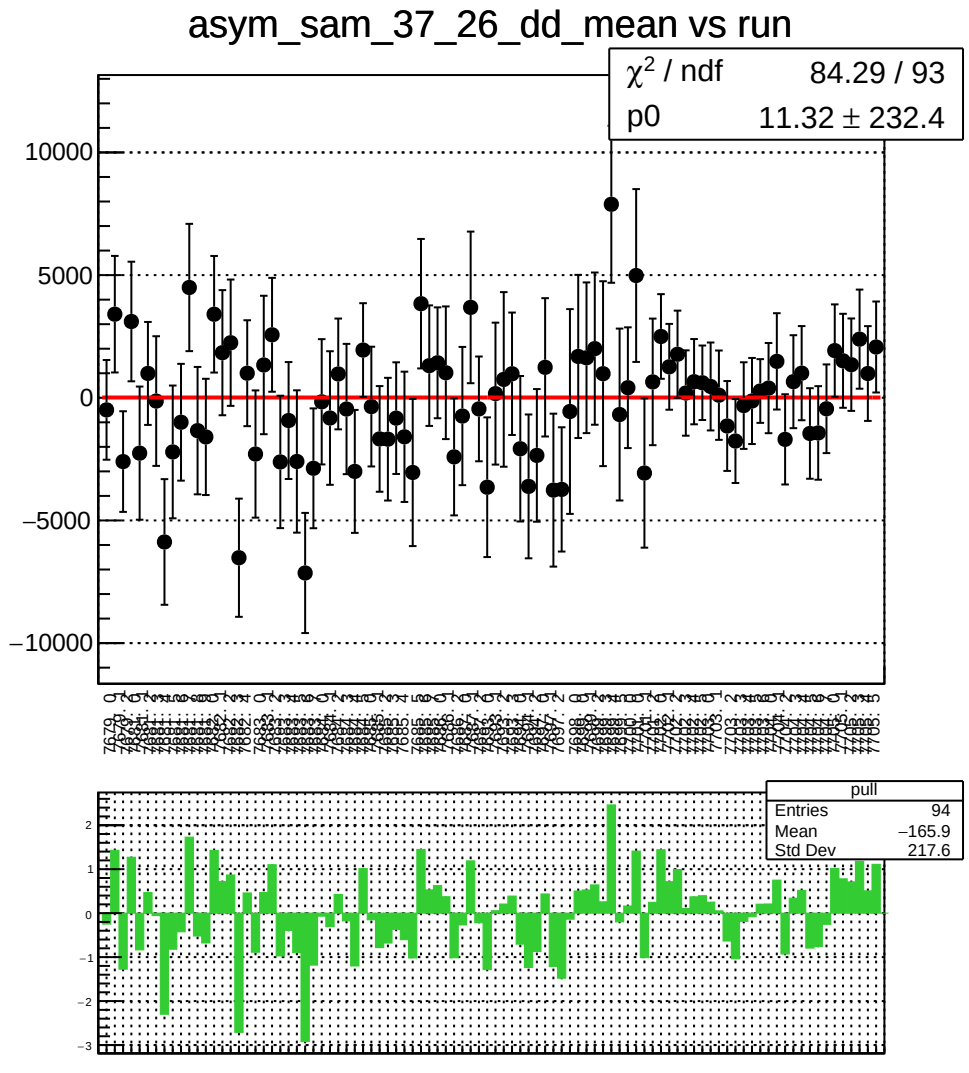

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 91.96 / 93
p0 30.22 ± 67.12
pull
Entries 94
Mean 80.18
Std Dev 39.25

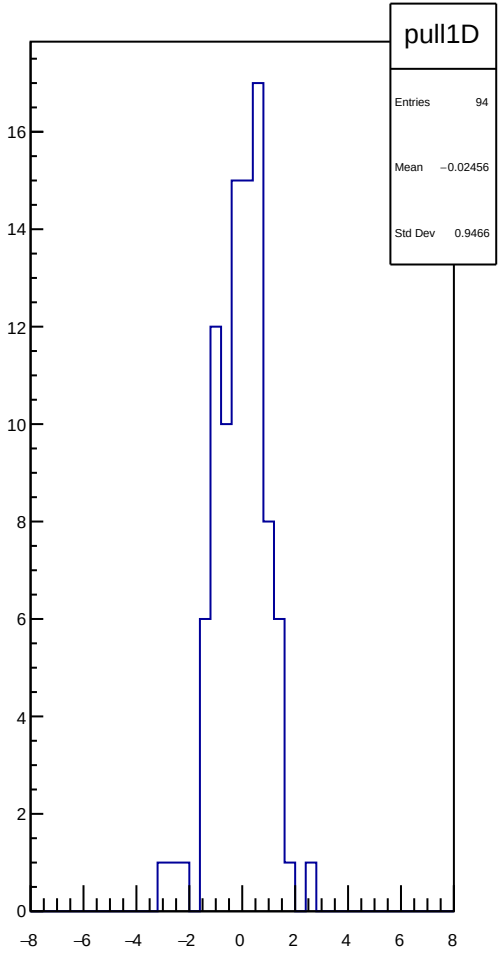

pull1D
Entries 94
Mean 0.02268
Std Dev 0.9888

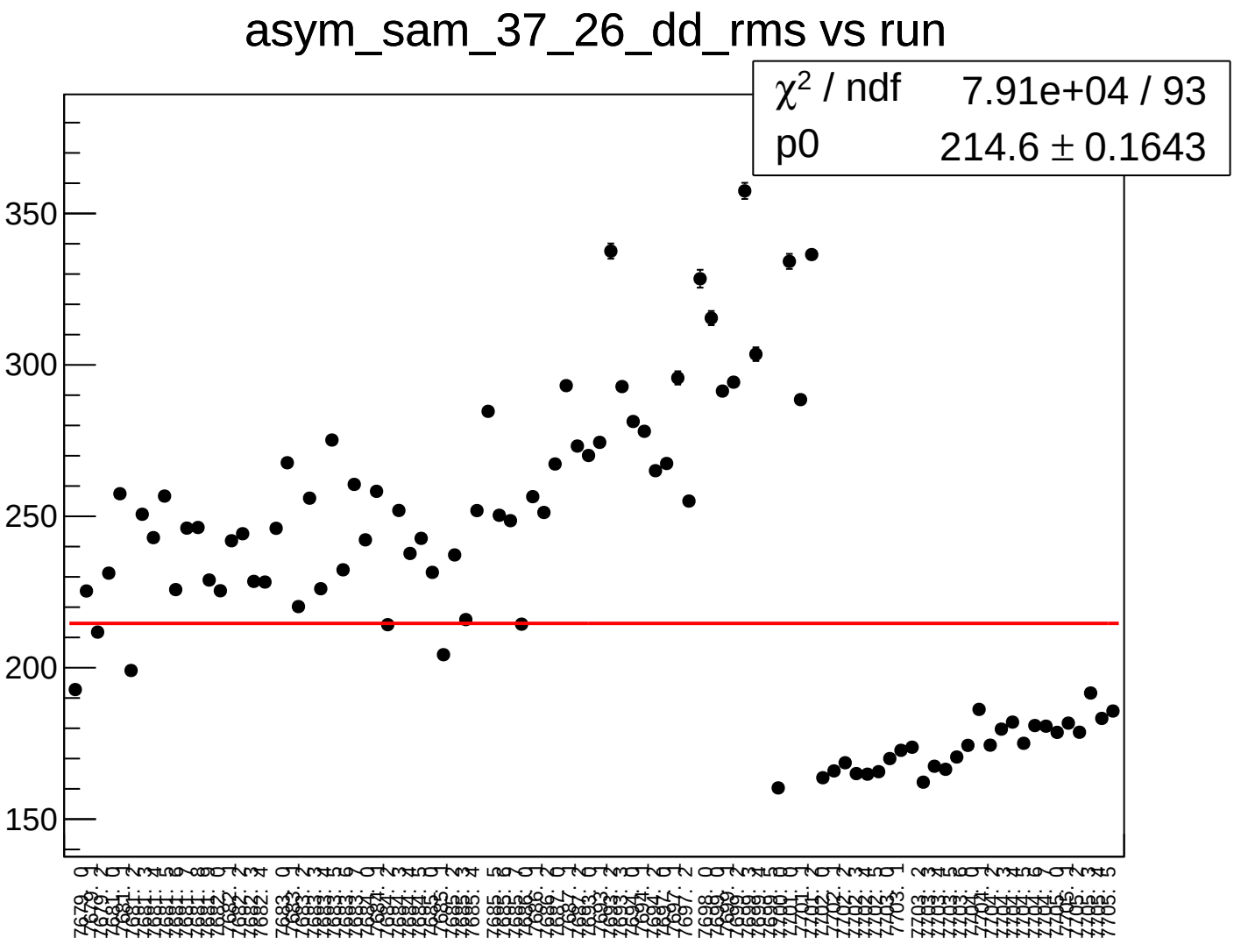

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.569e+04 / 93
p0 63.13 ± 0.04746
140
130
120
110
100
90
80
70
60
50

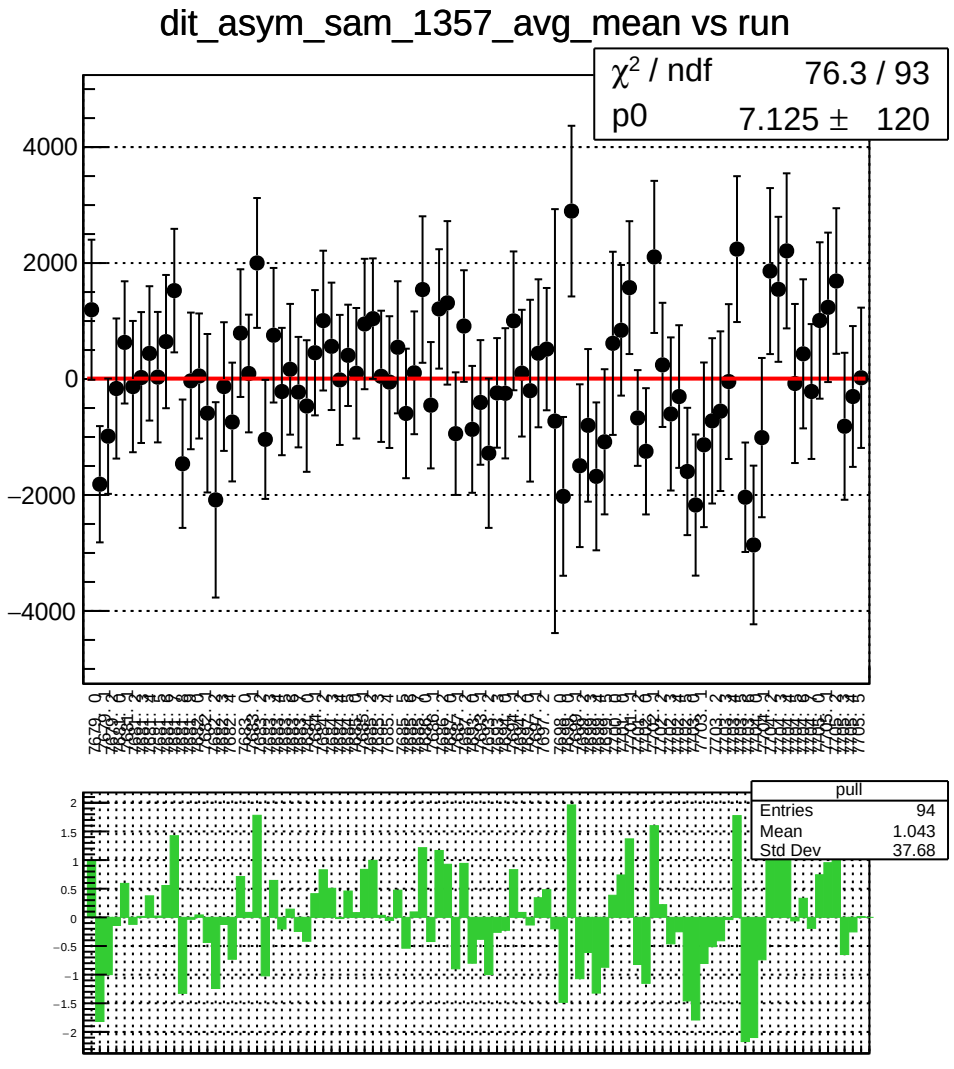

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 90.26 / 93
p0 28.08 ± 218.1
10000
5000
0
−5000
−10000
pull
Entries 94
Mean −125.1
Std Dev 175.6
3
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.03169
Std Dev 0.9794
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

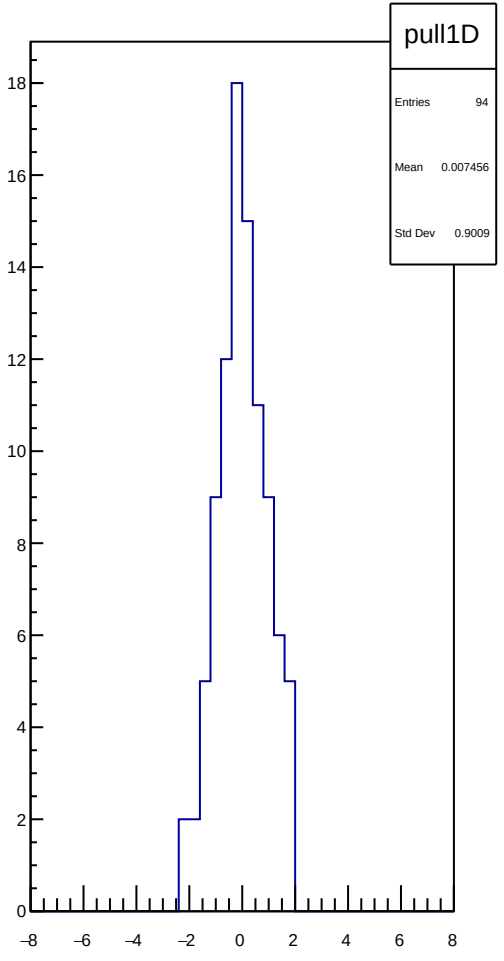

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 7.924e+04 / 93
p0 201.4 ± 0.1542
350
300
250
200
150

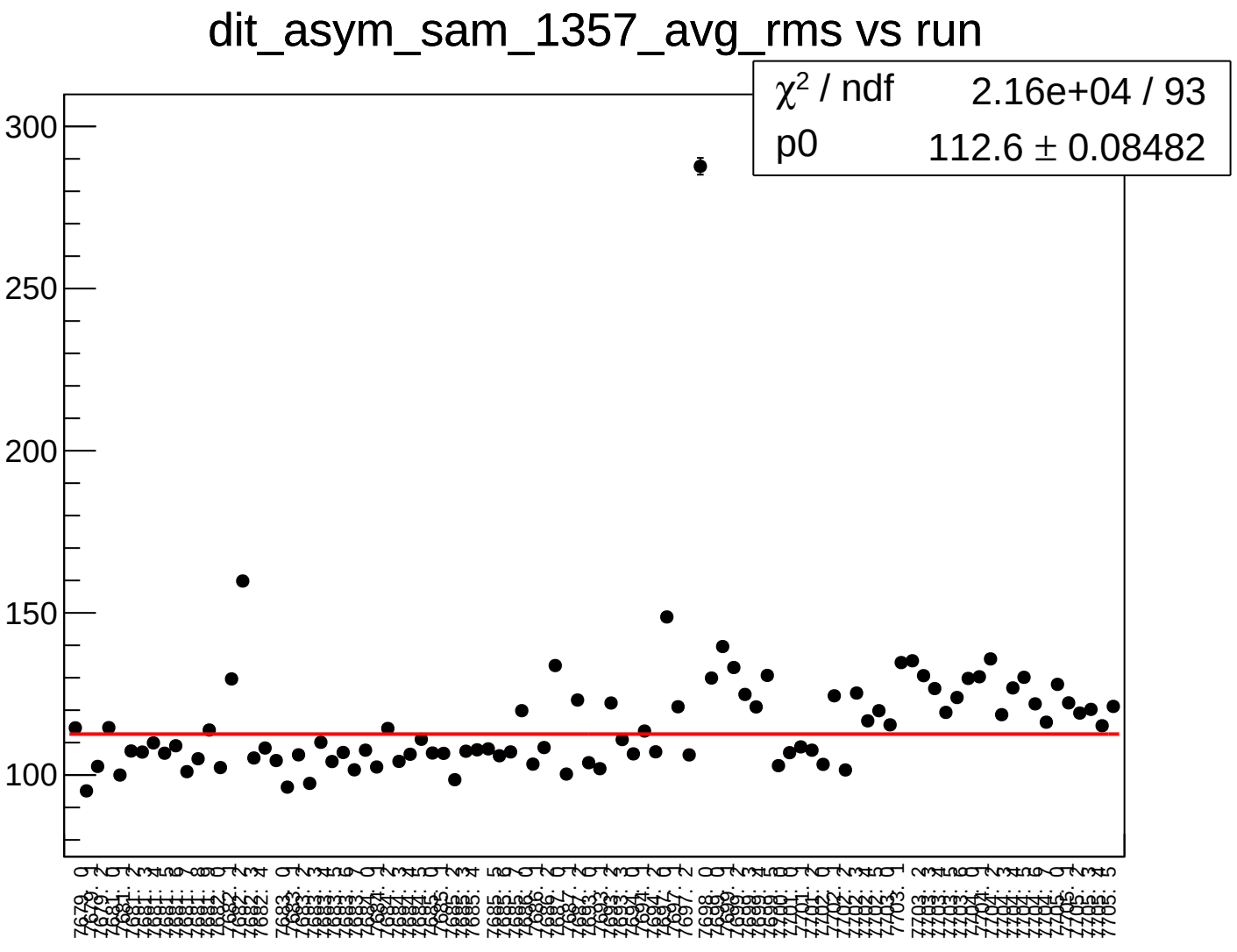

asym_sam_37_26_dd_mean vs run
χ² / ndf 84.29 / 93
p0 11.32 ± 232.4
10000
5000
0
−5000
−10000
pull
Entries 94
Mean −165.9
Std Dev 217.6
2
1
0
−1
−2
−3

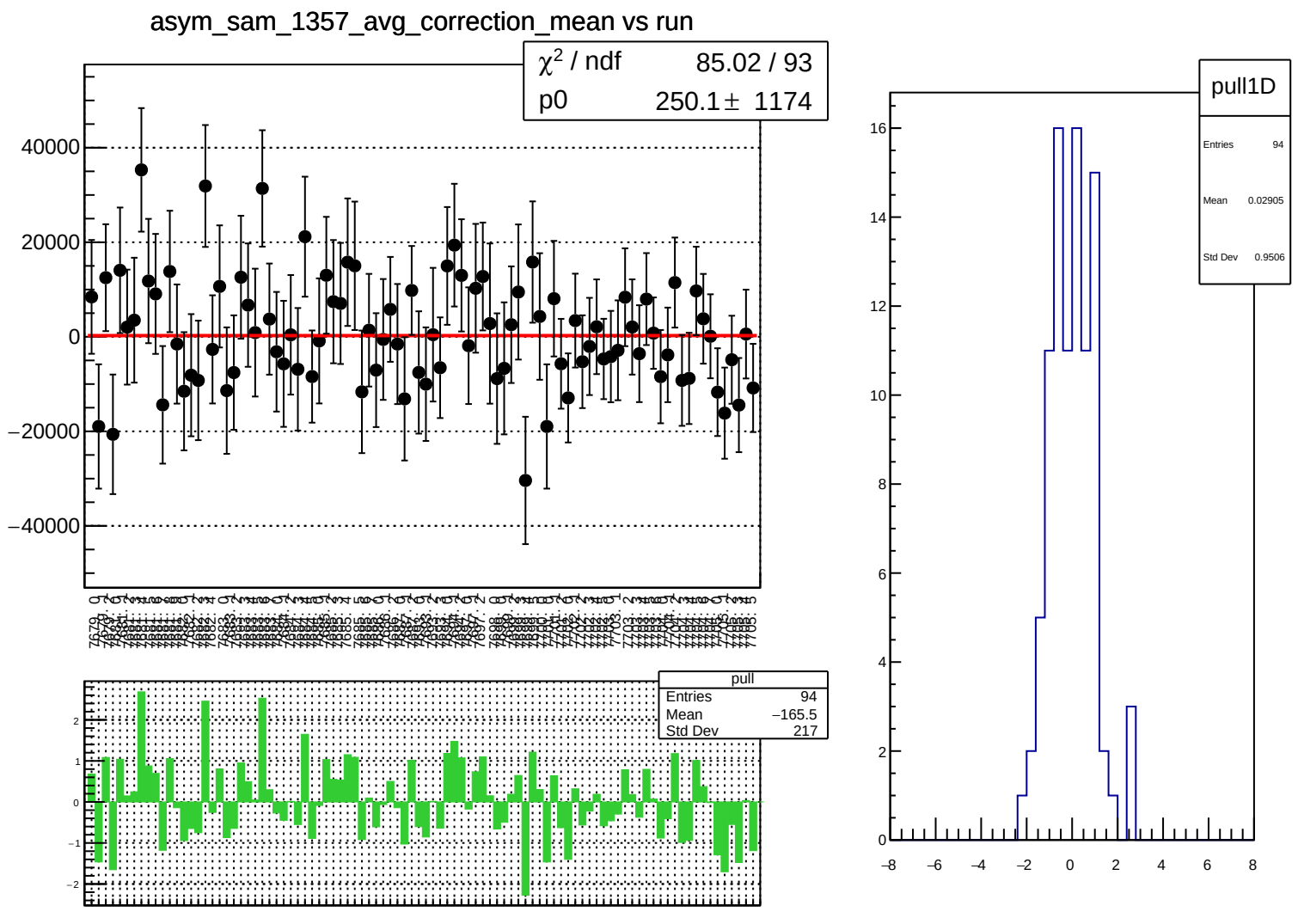

pull1D
Entries 94
Mean −0.02456
Std Dev 0.9466
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

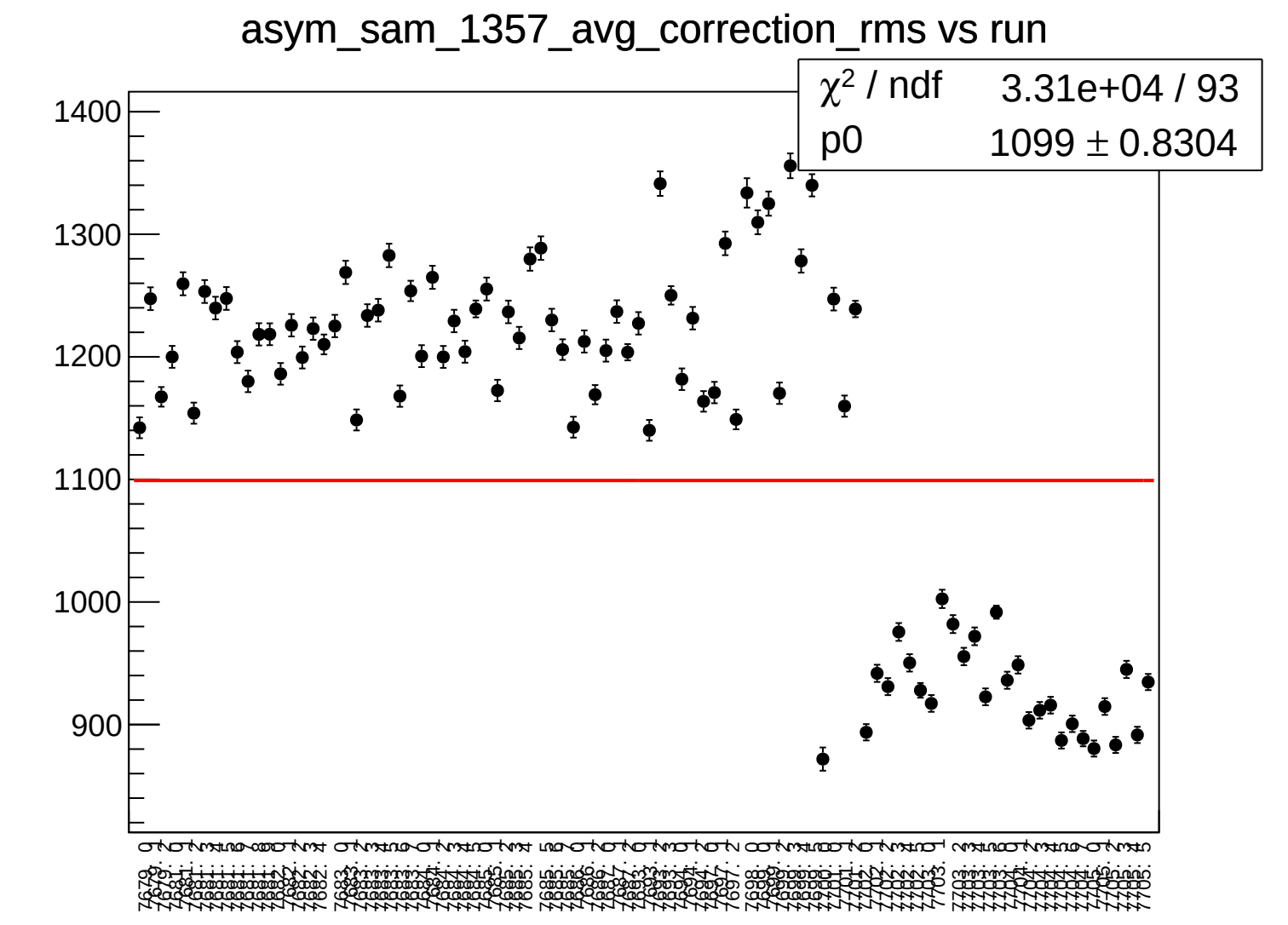

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 7.91e+04 / 93
p0 214.6 ± 0.1643
350
300
250
200
150

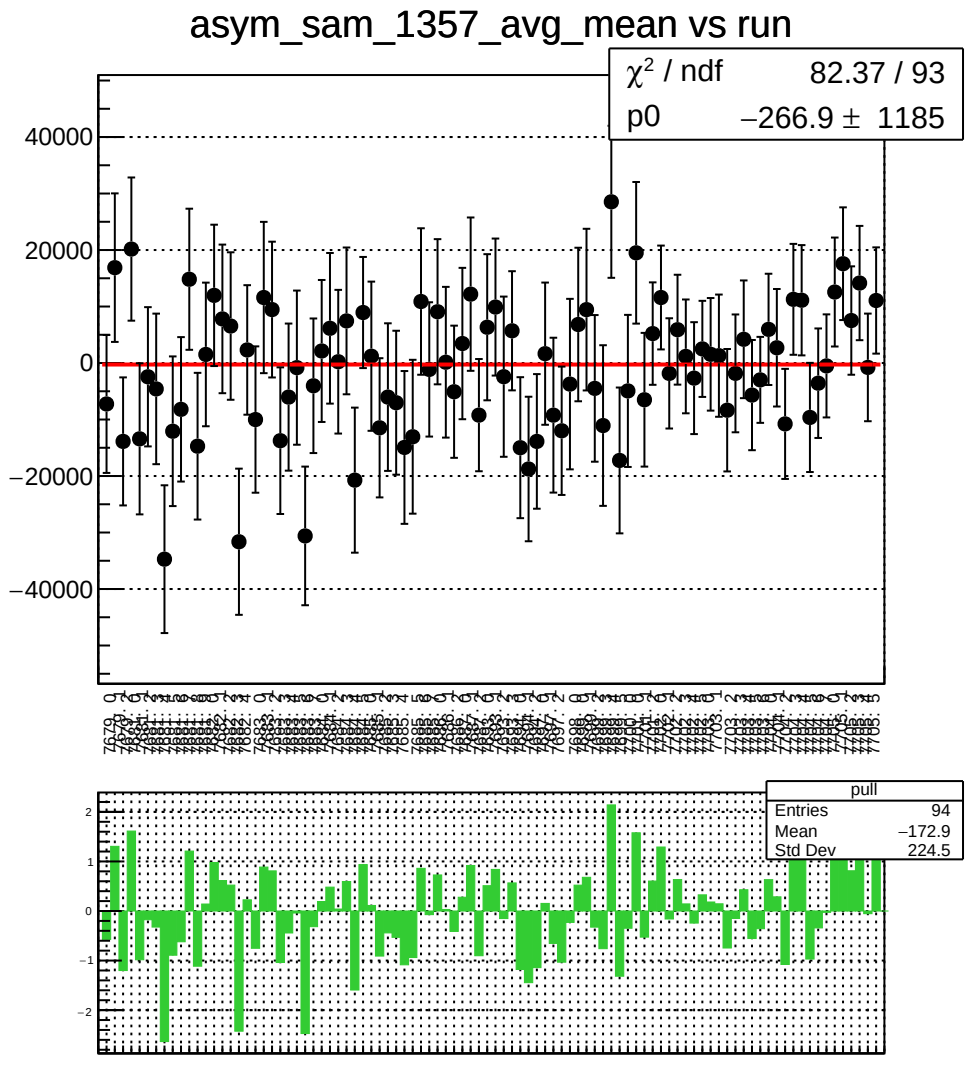

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.3 / 93
p0 7.125 ± 120
4000
2000
0
−2000
−4000
pull
Entries 94
Mean 1.043
Std Dev 37.68
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

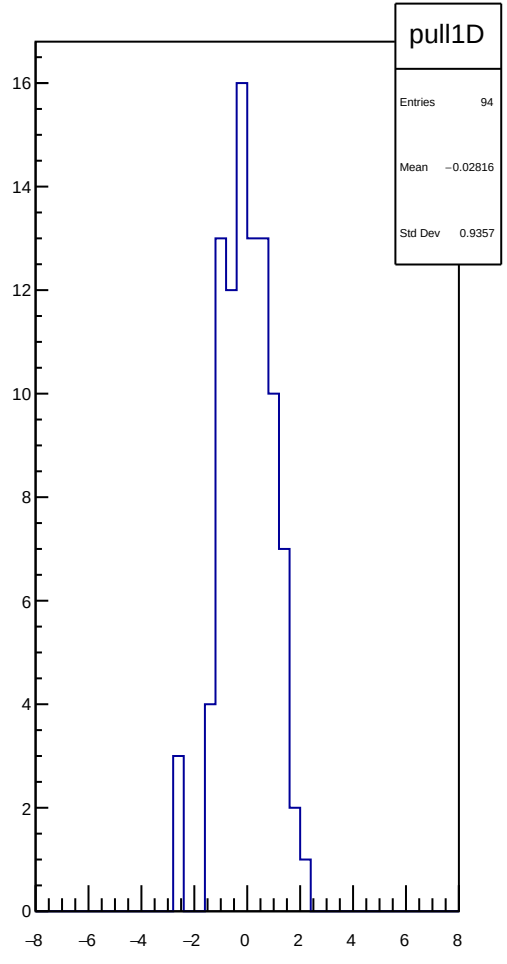

pull1D
Entries 94
Mean 0.007456
Std Dev 0.9009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

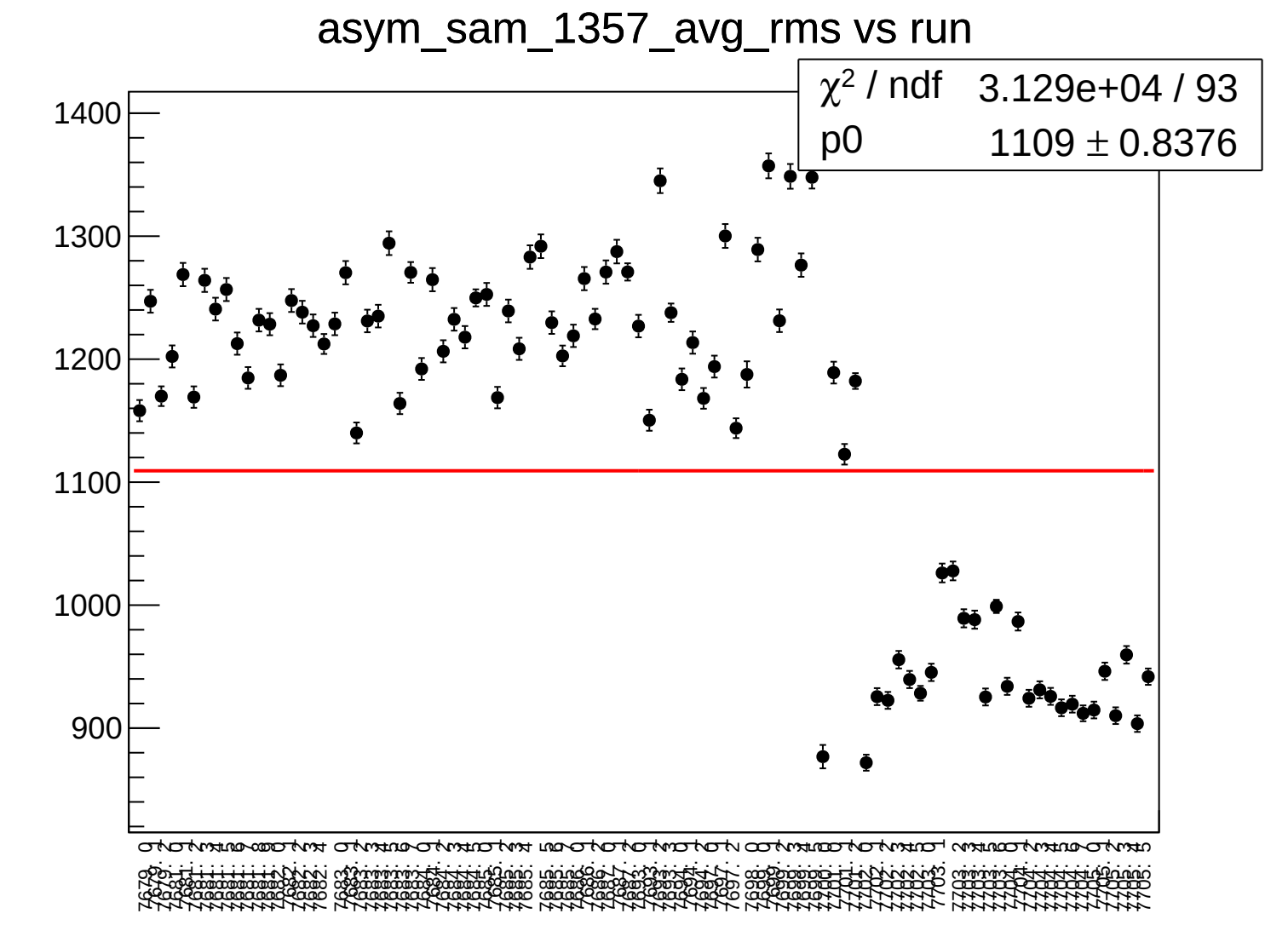

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.16e+04 / 93
p0 112.6 ± 0.08482
300
250
200
150
100

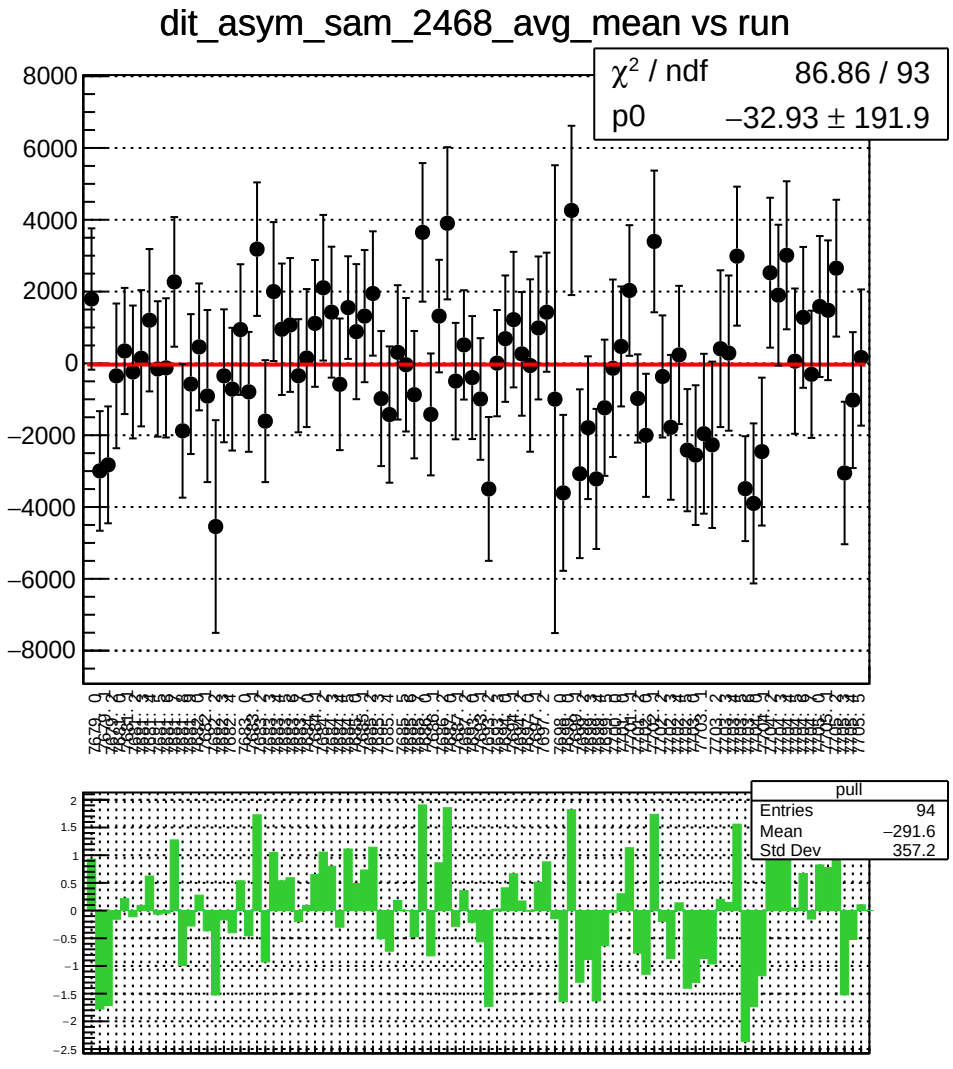

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 85.02 / 93
p0 250.1 ± 1174
40000
20000
0
−20000
−40000
pull
Entries 94
Mean −165.5
Std Dev 217
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.02905
Std Dev 0.9506
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

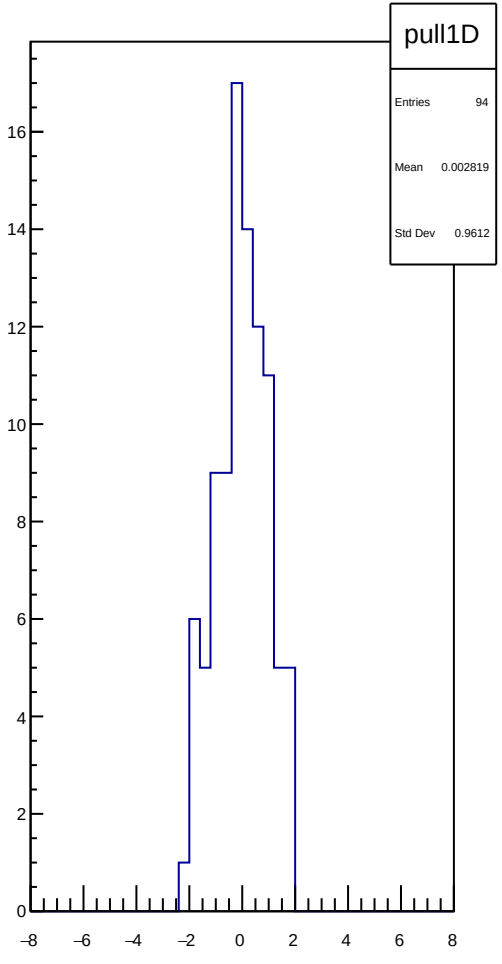

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3.31e+04 / 93
p0 1099 ± 0.8304
1400
1300
1200
1100
1000
900

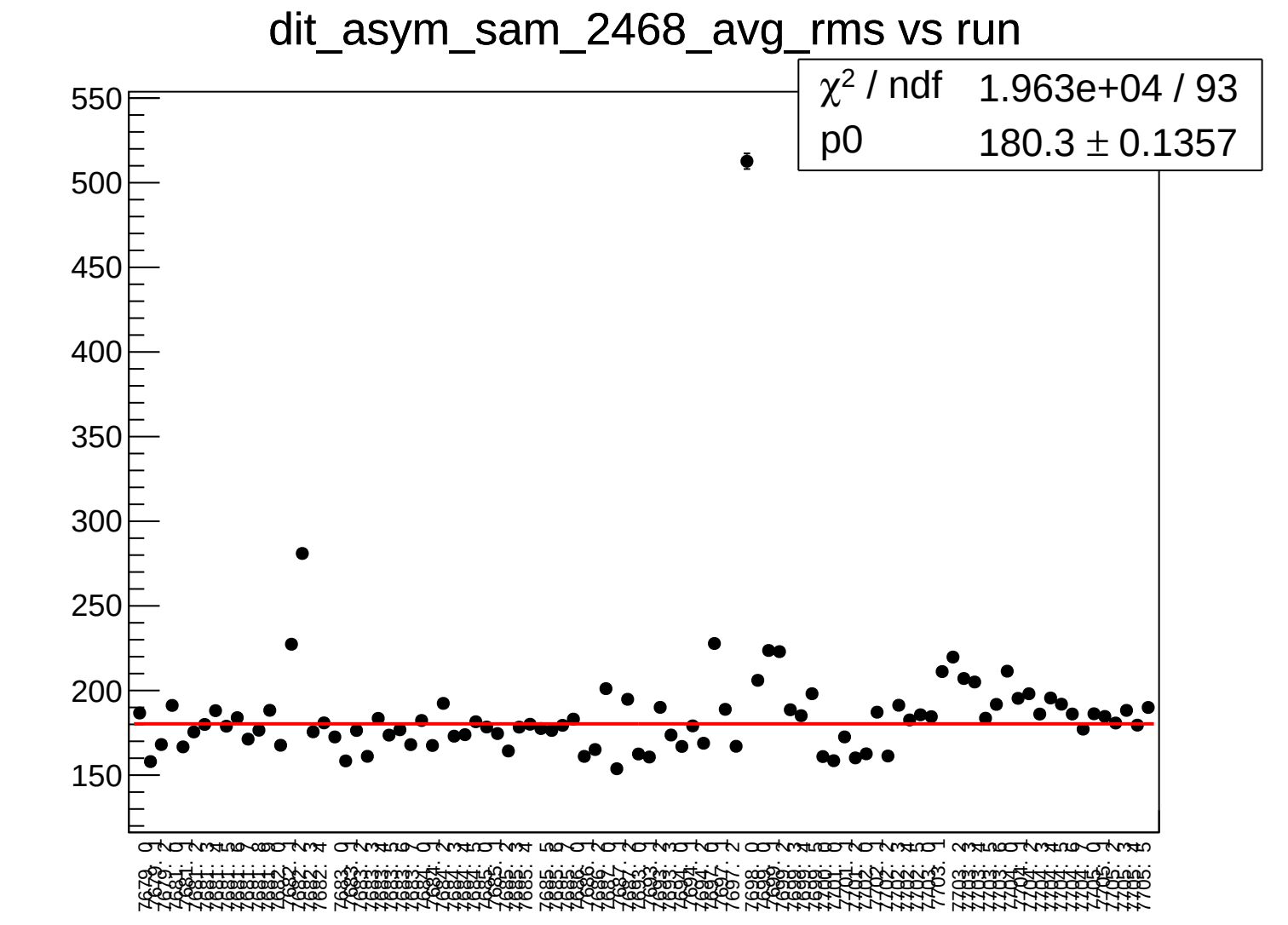

asym_sam_1357_avg_mean vs run
χ² / ndf 82.37 / 93
p0 −266.9 ± 1185
40000
20000
0
−20000
−40000
pull
Entries 94
Mean −172.9
Std Dev 224.5
2
1
0
−1
−2

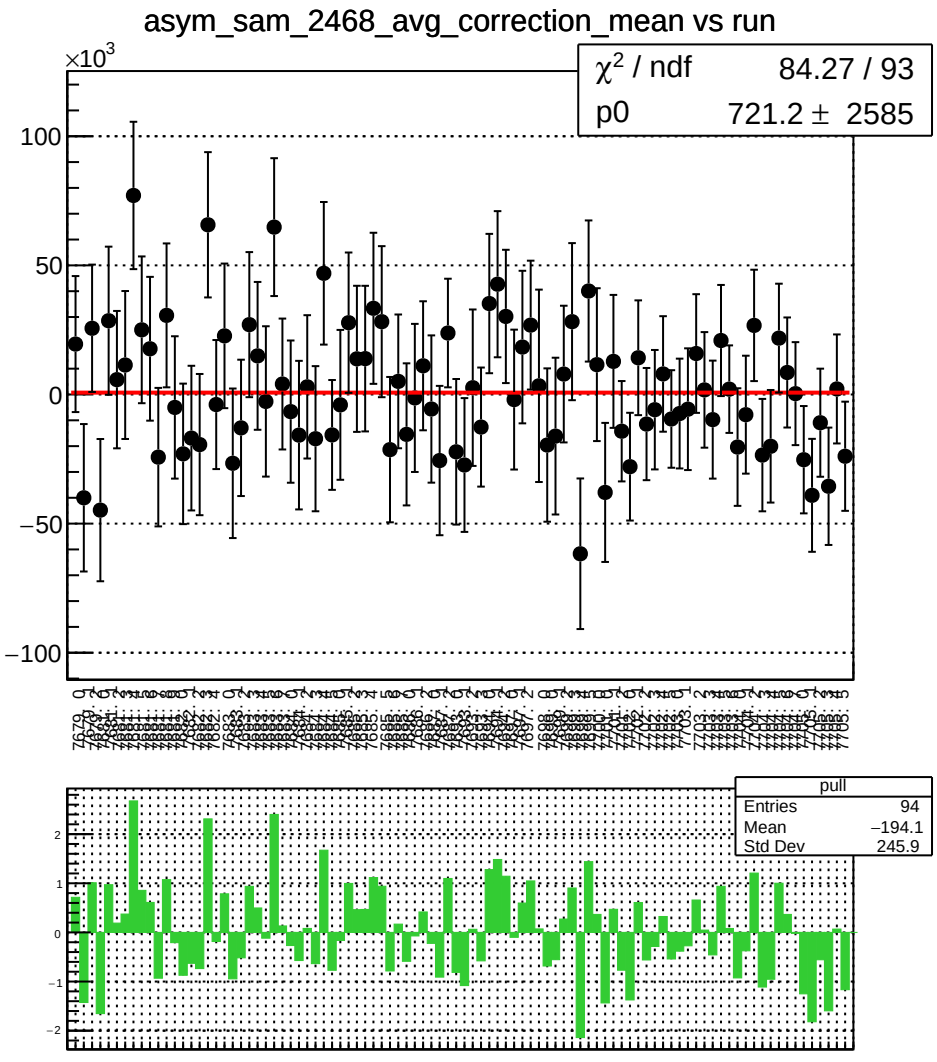

pull1D
Entries 94
Mean −0.02816
Std Dev 0.9357
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

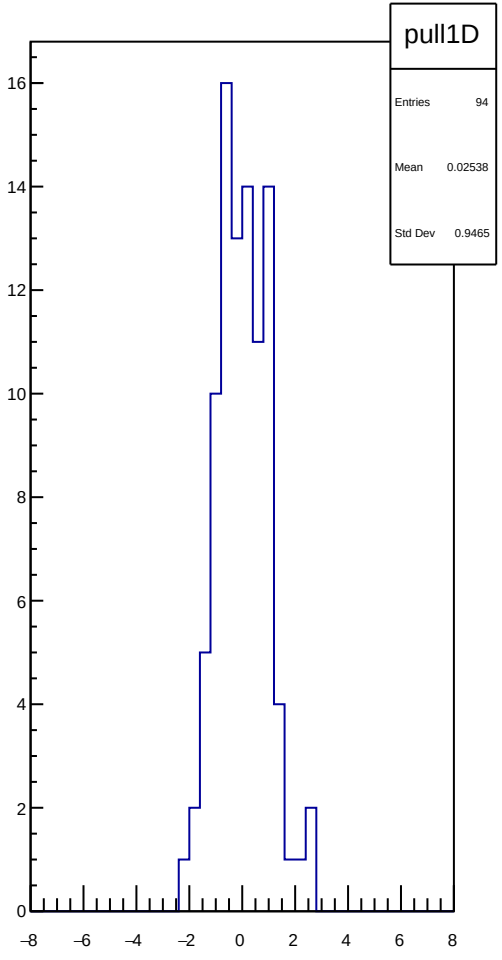

asym_sam_1357_avg_rms vs run
χ² / ndf 3.129e+04 / 93
p0 1109 ± 0.8376
1400
1300
1200
1100
1000
900

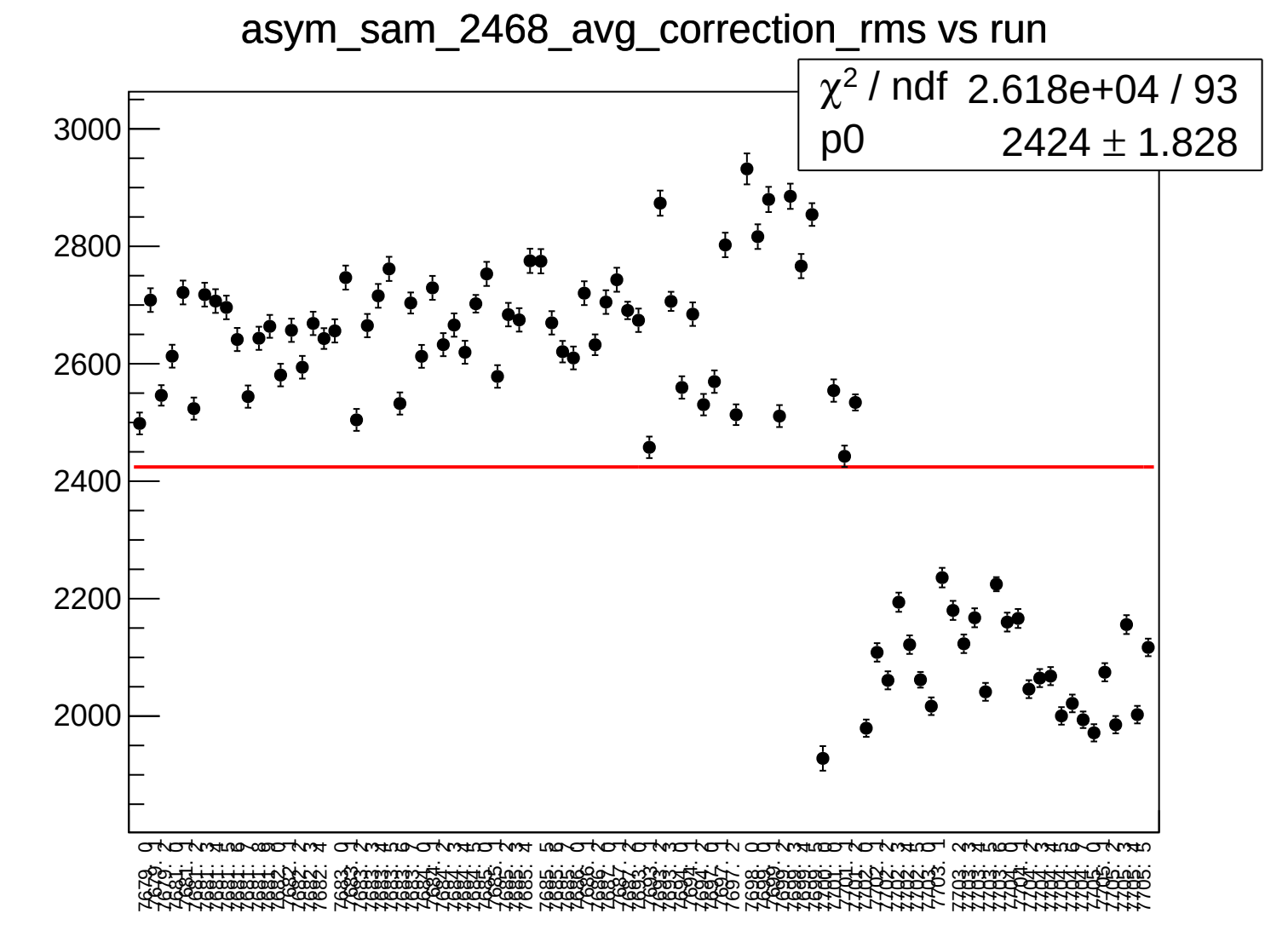

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 86.86 / 93
p0 −32.93 ± 191.9
pull
Entries 94
Mean −291.6
Std Dev 357.2

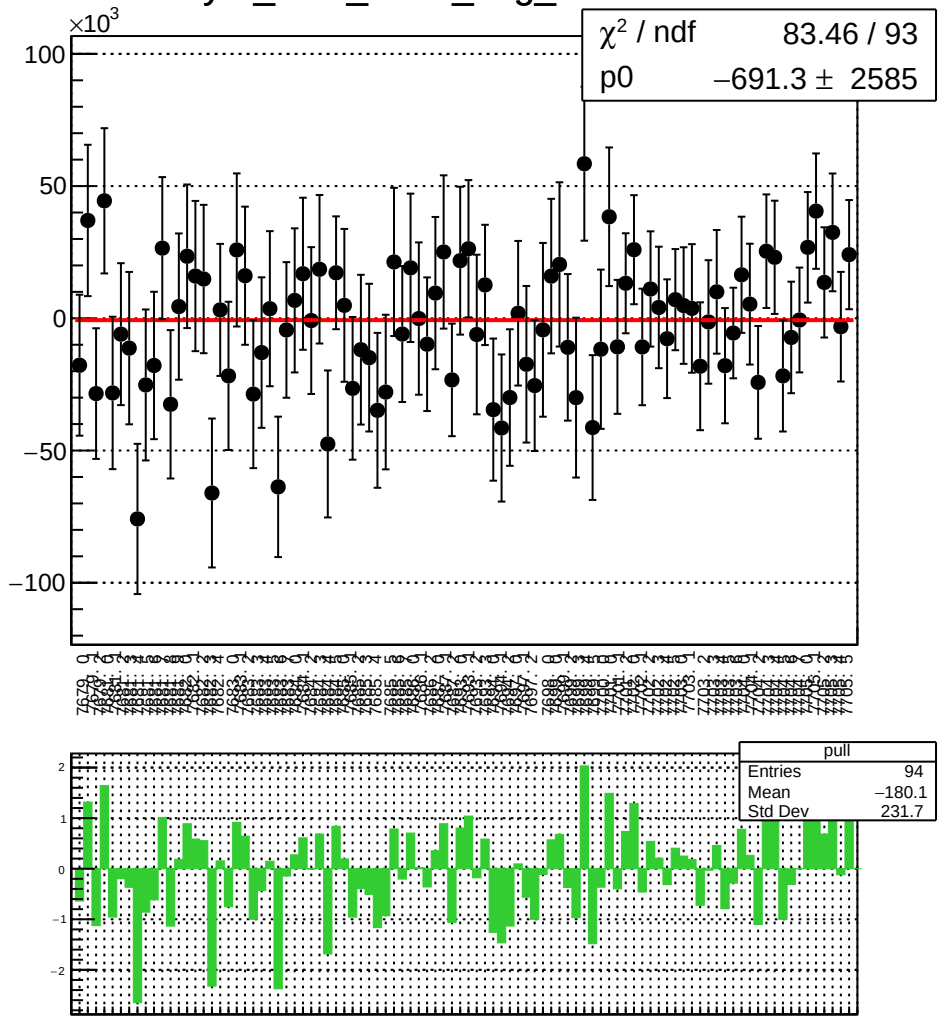

pull1D
Entries 94
Mean 0.002819
Std Dev 0.9612

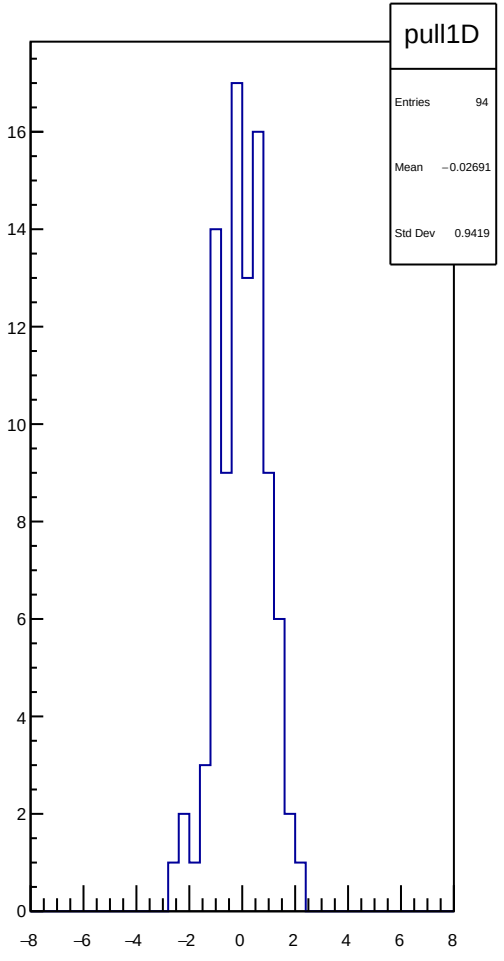

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.963e+04 / 93
p0 180.3 ± 0.1357
550
500
450
400
350
300
250
200
150

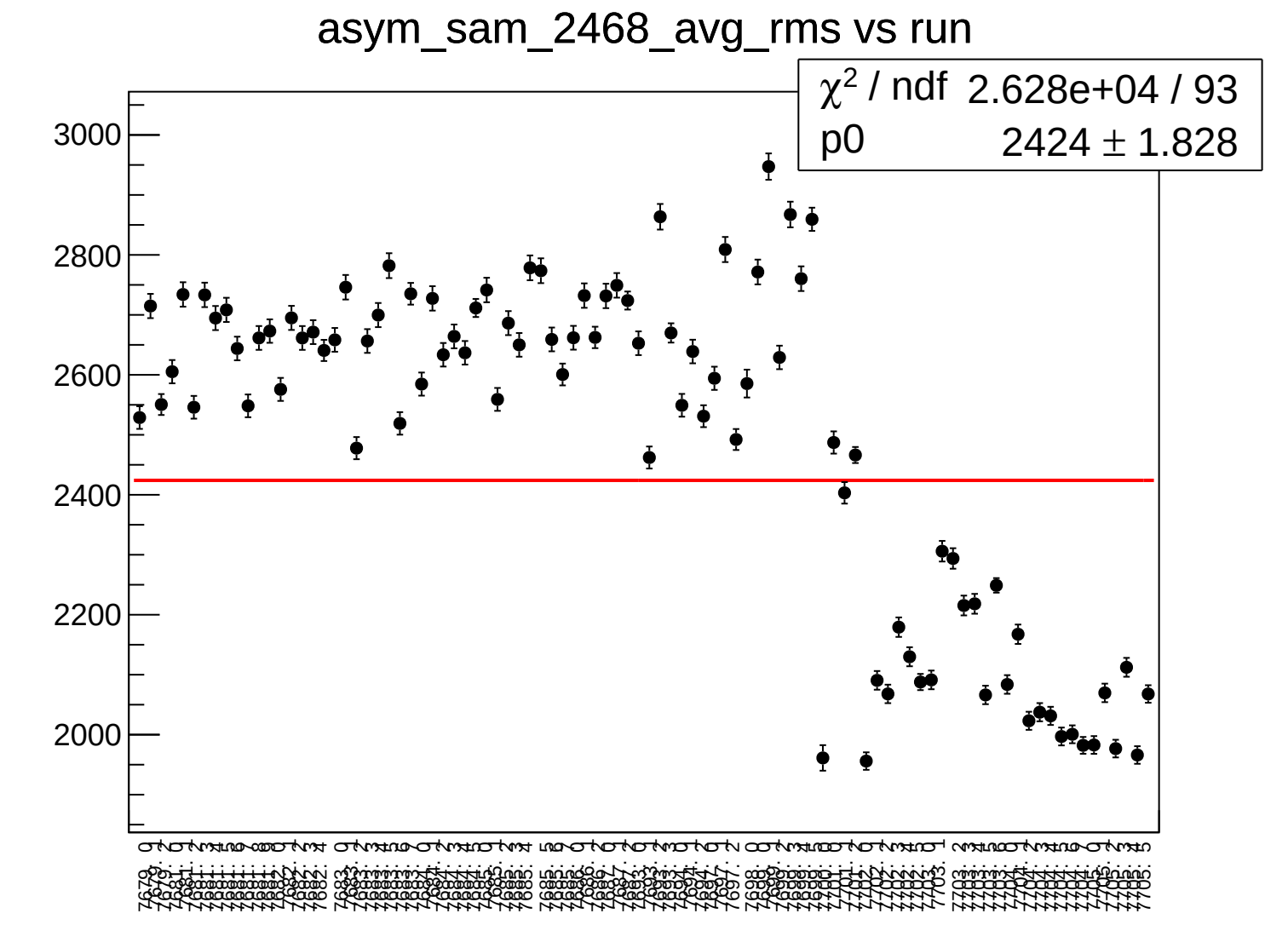

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 84.27 / 93
p0 721.2 ± 2585
100
50
0
−50
−100
pull
Entries 94
Mean −194.1
Std Dev 245.9
2
1
0
−1
−2

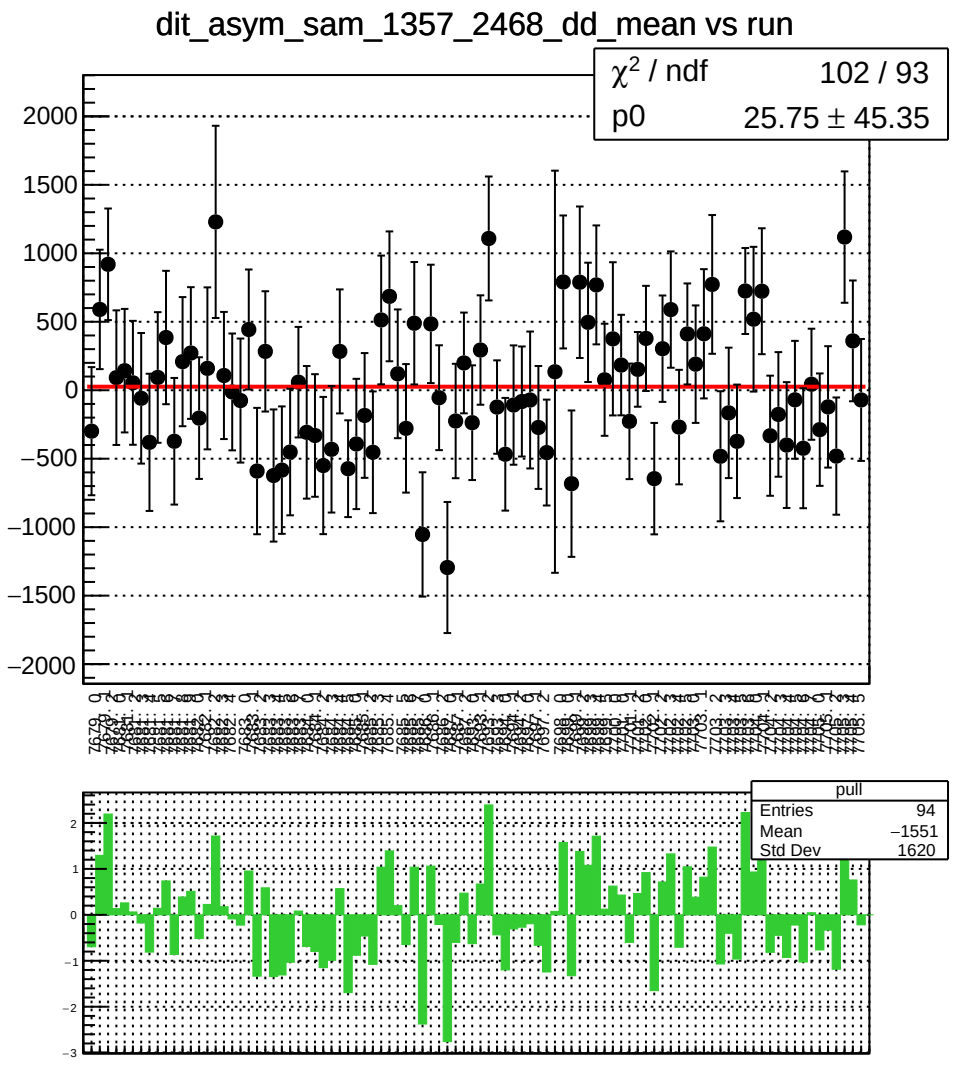

pull1D
Entries 94
Mean 0.02538
Std Dev 0.9465
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

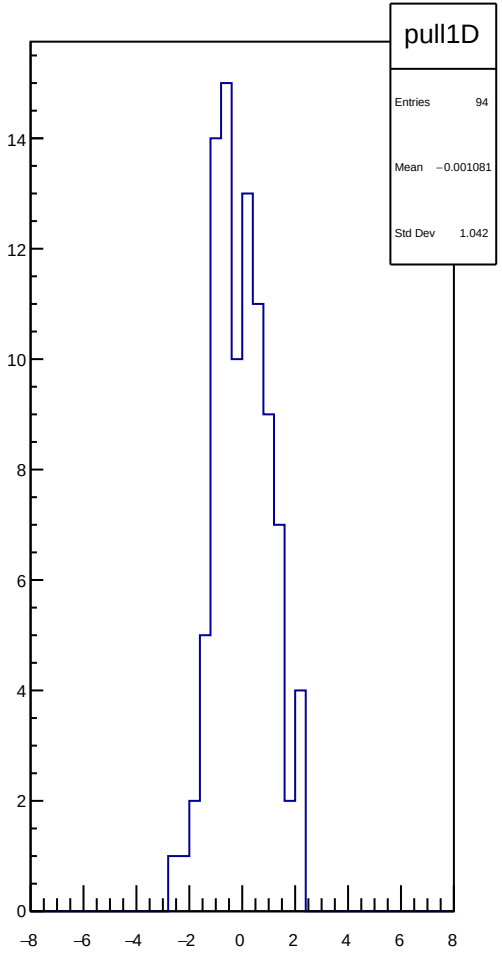

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2.618e+04 / 93
p0 2424 ± 1.828
3000
2800
2600
2400
2200
2000

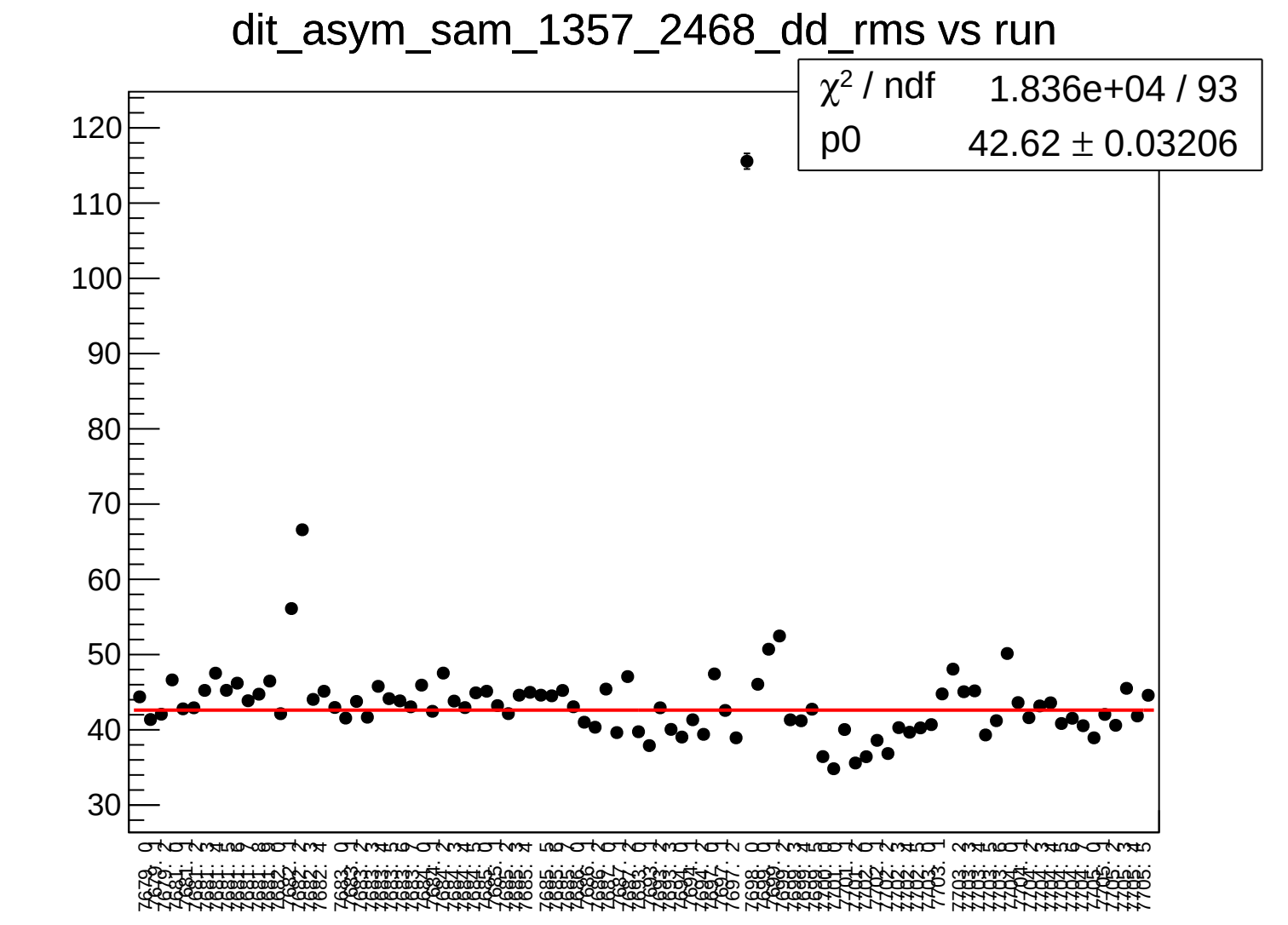

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 83.46 / 93
p0 −691.3 ± 2585
pull
Entries 94
Mean −180.1
Std Dev 231.7

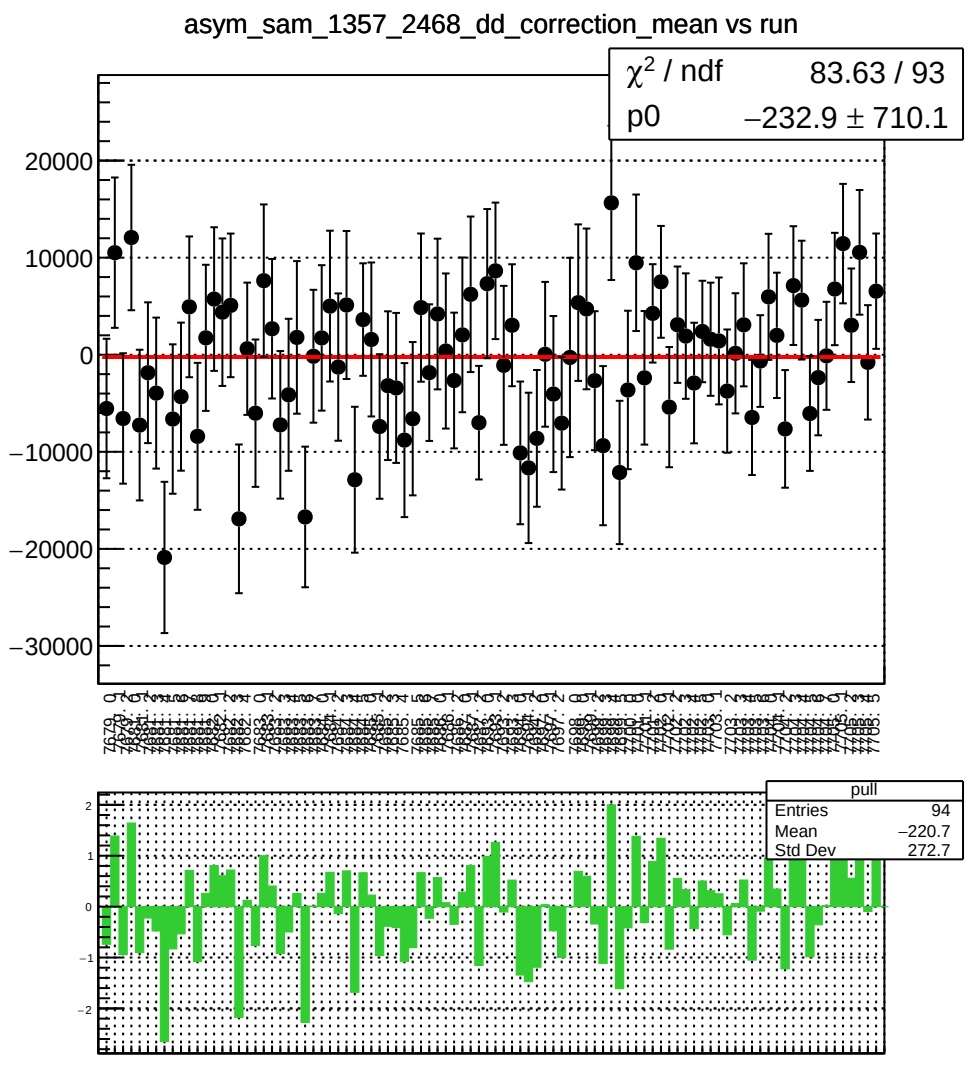

pull1D
Entries 94
Mean −0.02691
Std Dev 0.9419

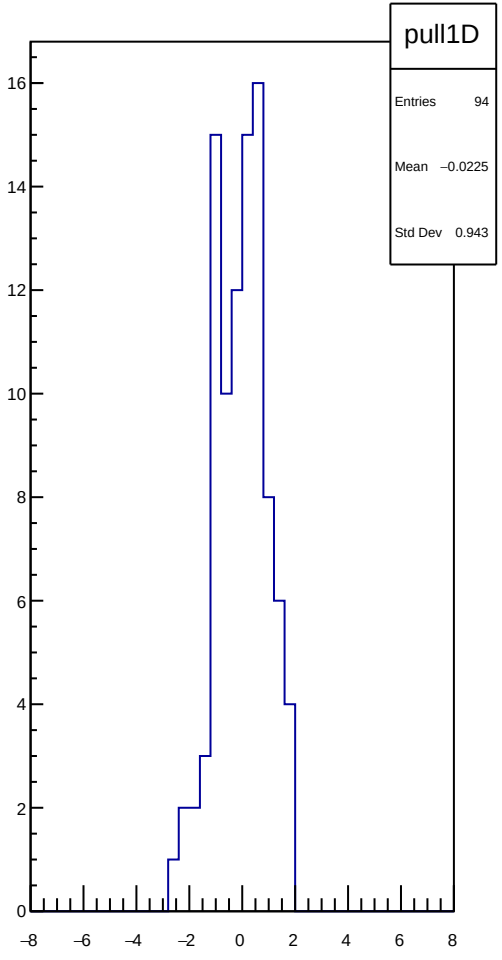

asym_sam_2468_avg_rms vs run
χ² / ndf 2.628e+04 / 93
p0 2424 ± 1.828
3000
2800
2600
2400
2200
2000

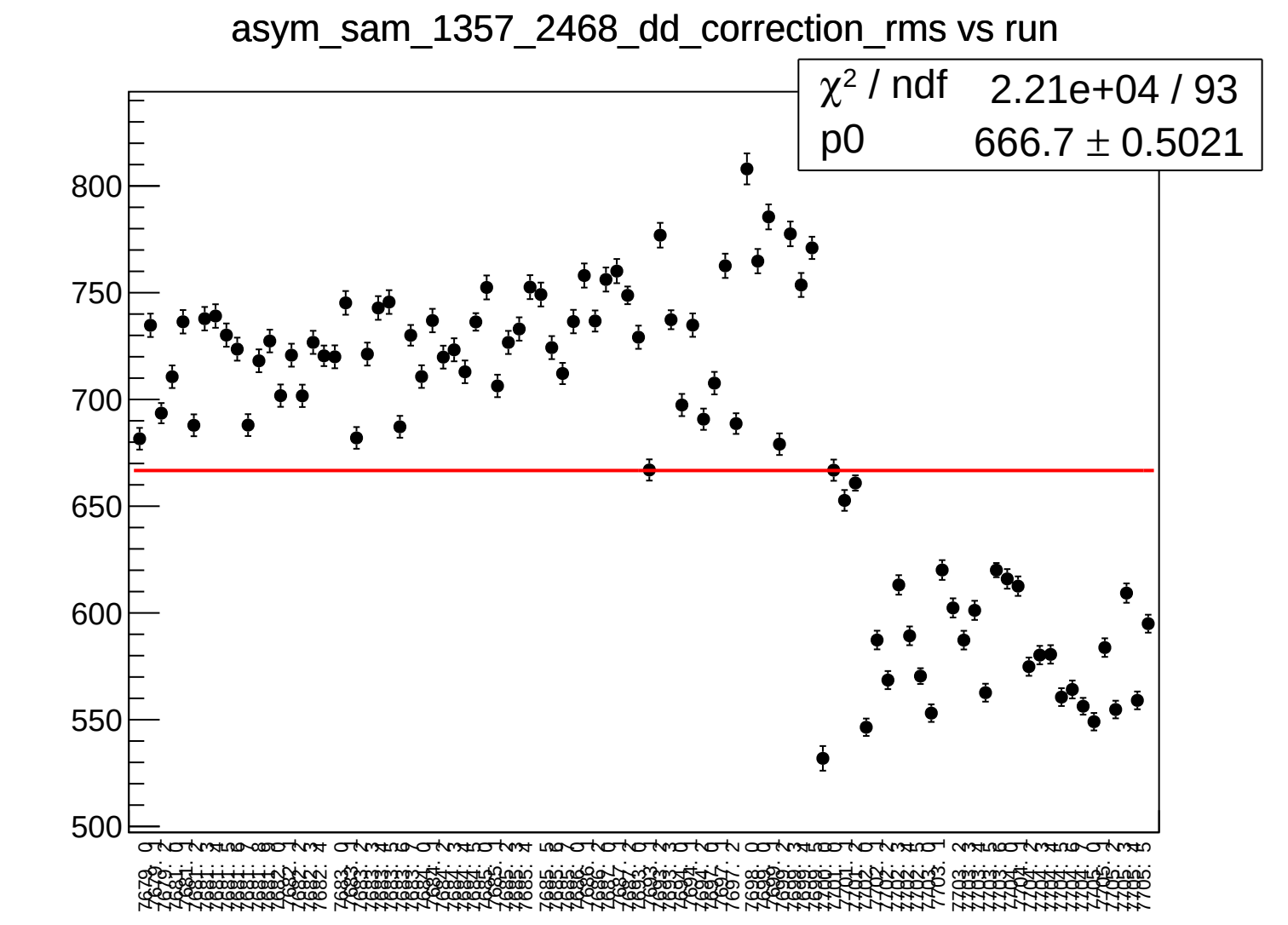

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 102 / 93
p0 25.75 ± 45.35
pull
Entries 94
Mean −1551
Std Dev 1620

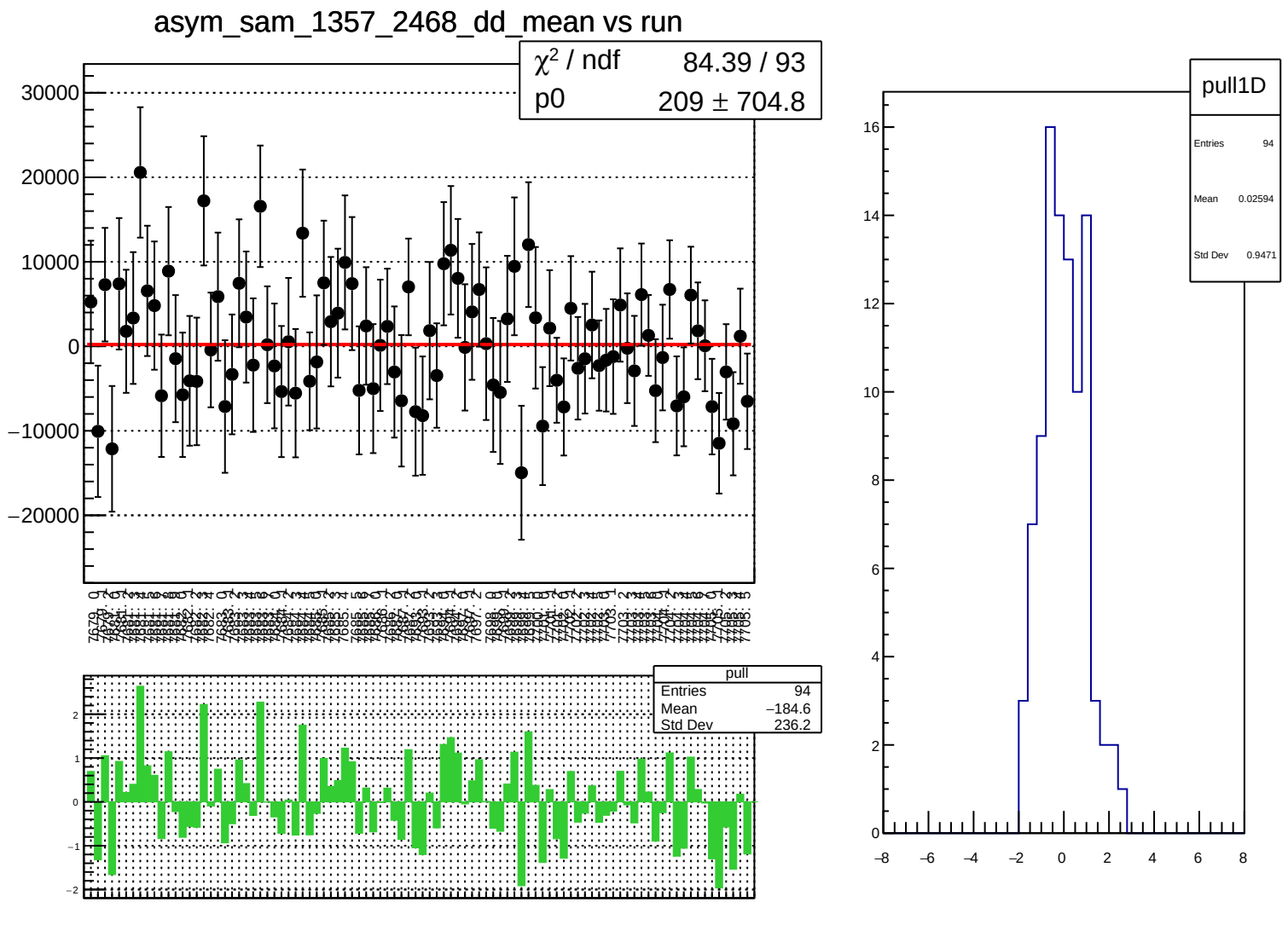

pull1D
Entries 94
Mean −0.001081
Std Dev 1.042

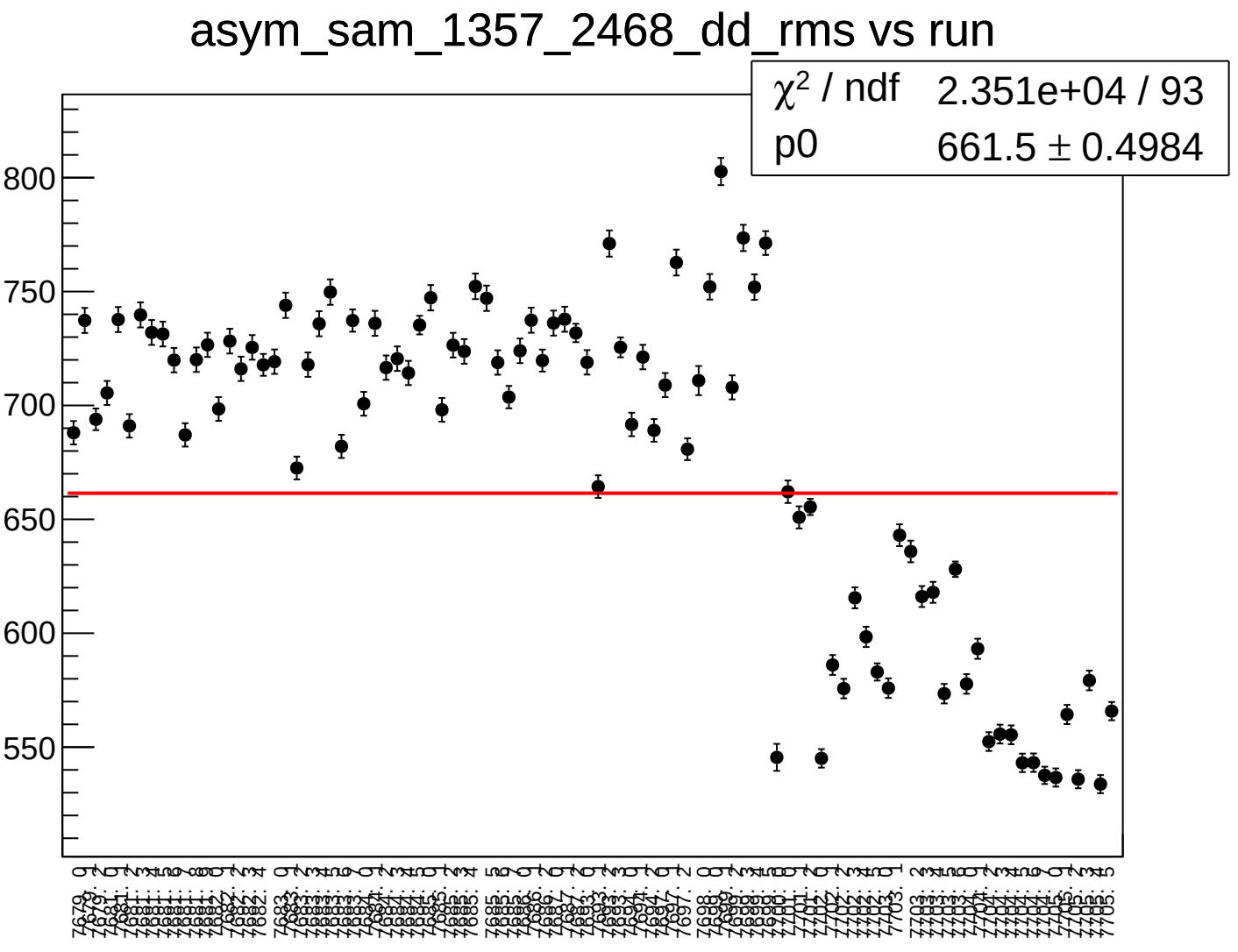

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.836e+04 / 93
p0 42.62 ± 0.03206
120
110
100
90
80
70
60
50
40
30

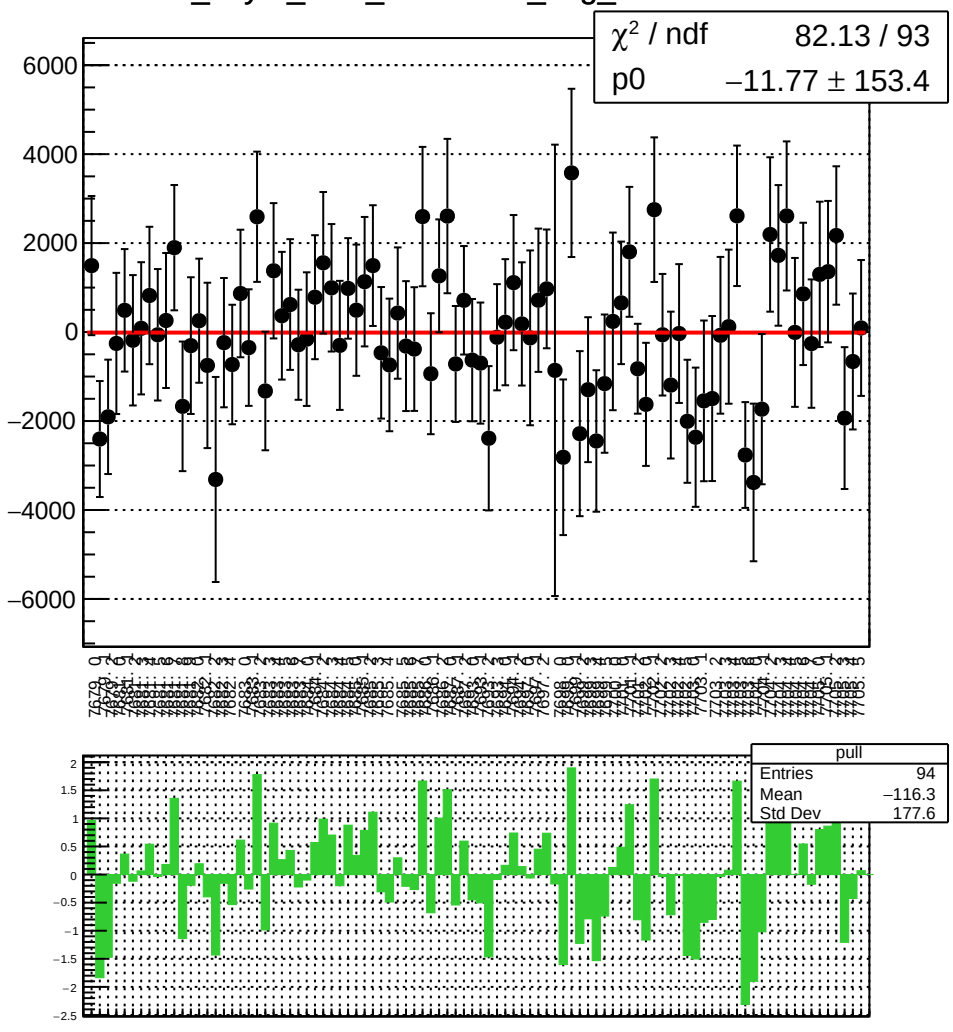

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 83.63 / 93
p0 −232.9 ± 710.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean −220.7
Std Dev 272.7
2
1
0
−1
−2

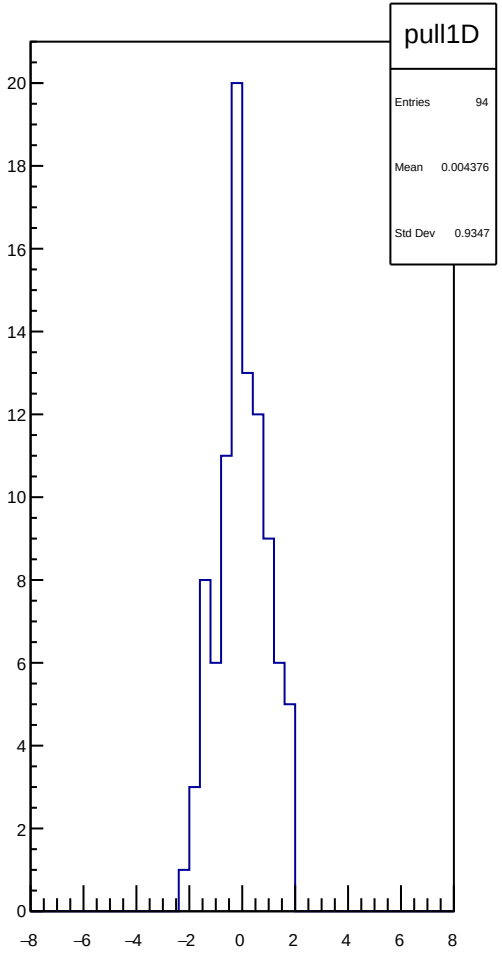

pull1D
Entries 94
Mean −0.0225
Std Dev 0.943
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

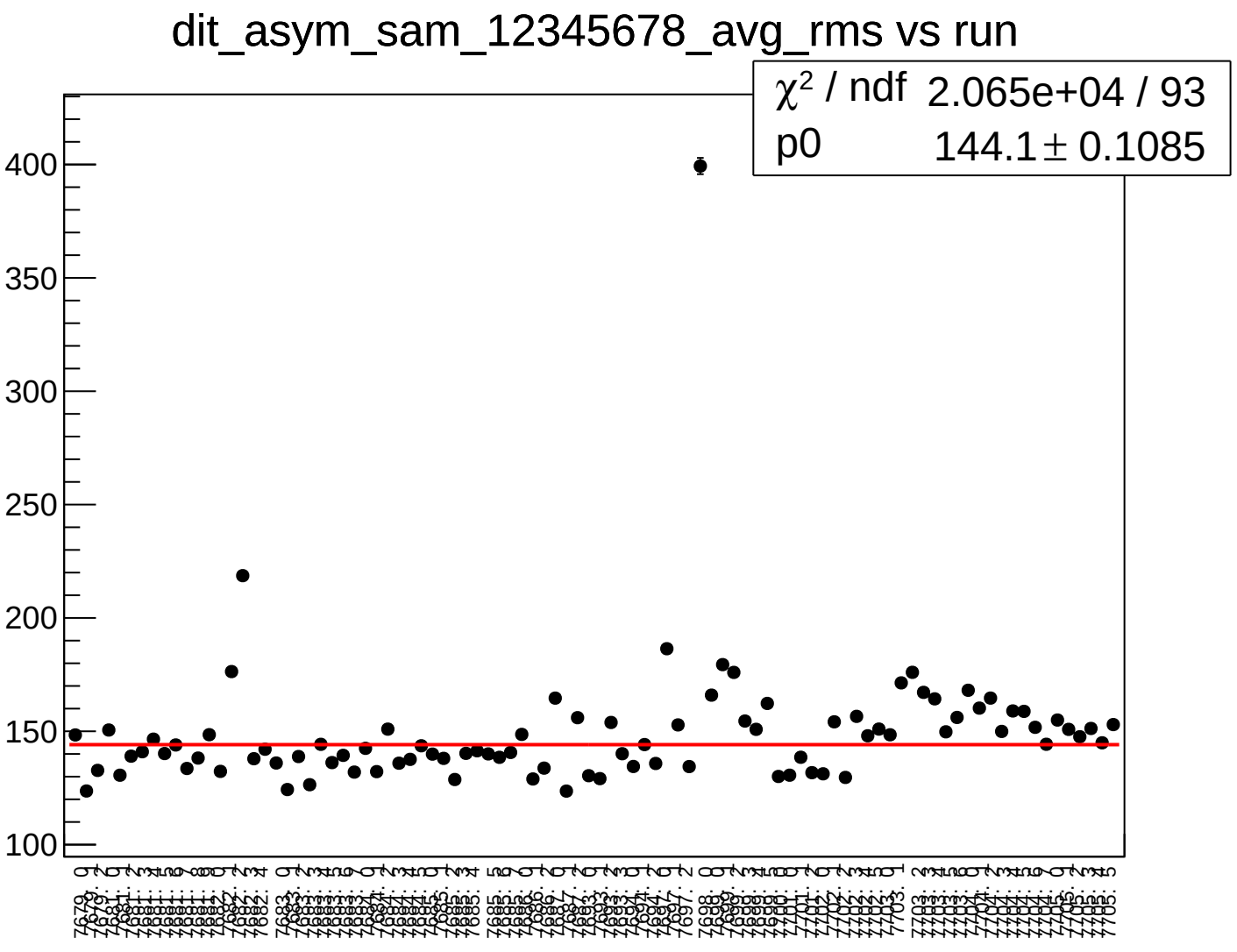

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.21e+04 / 93
p0 666.7 ± 0.5021
800
750
700
650
600
550
500

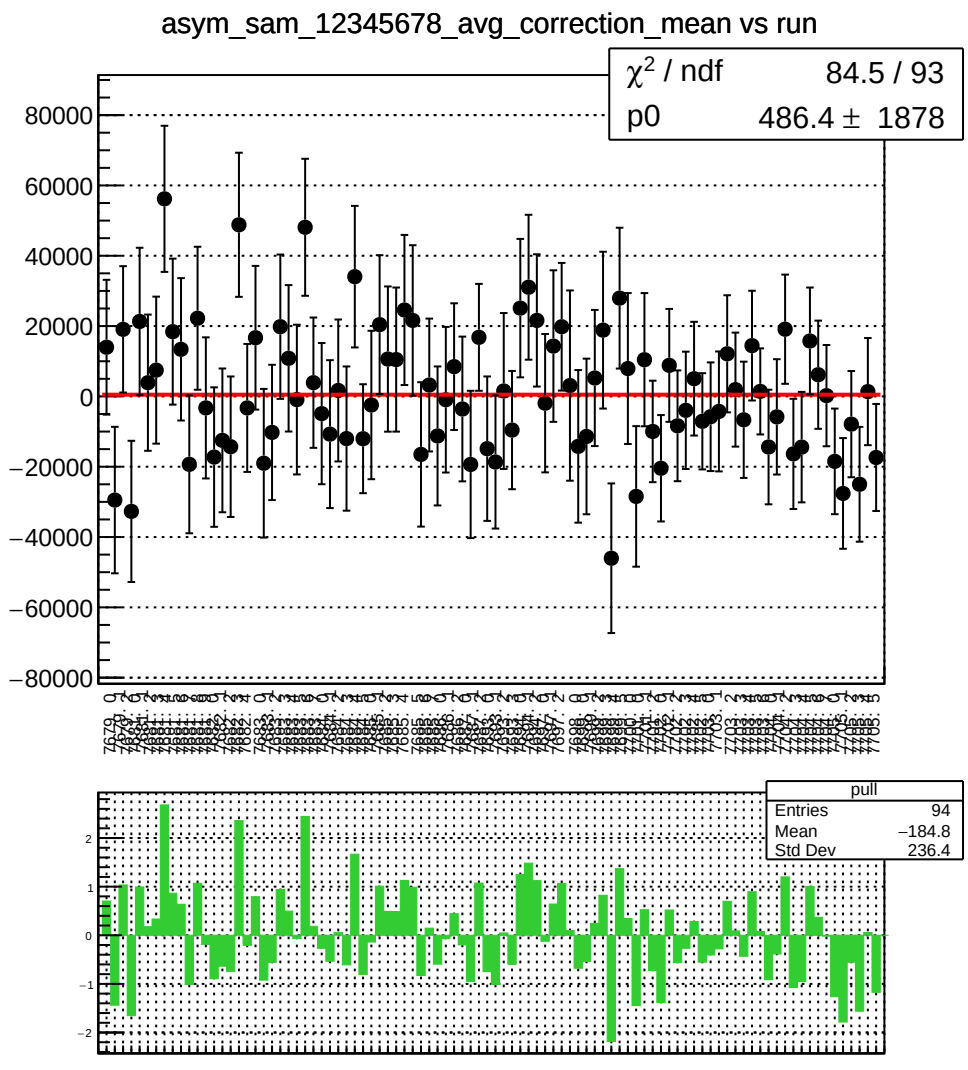

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 84.39 / 93
p0 209 ± 704.8
30000
20000
10000
0
−10000
−20000
pull
Entries 94
Mean −184.6
Std Dev 236.2
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.02594
Std Dev 0.9471
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

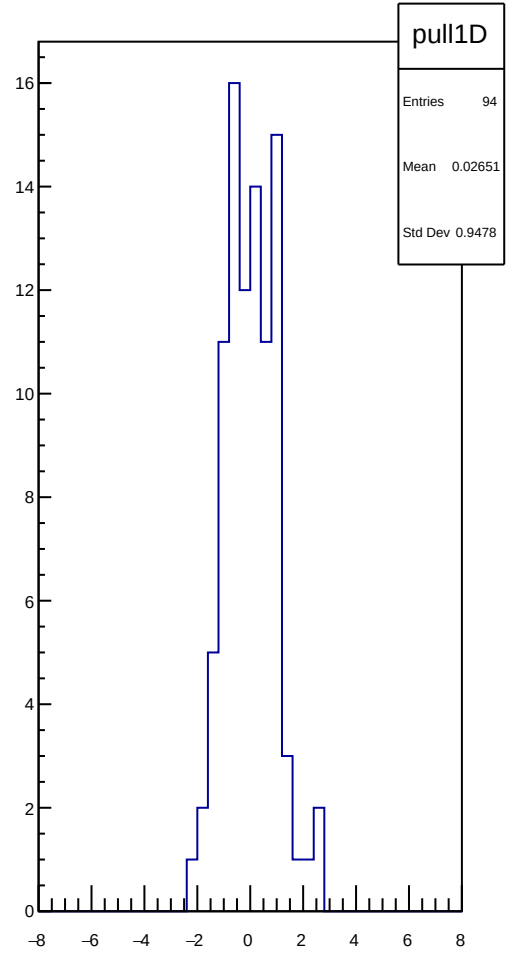

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.351e+04 / 93
p0 661.5 ± 0.4984
800
750
700
650
600
550

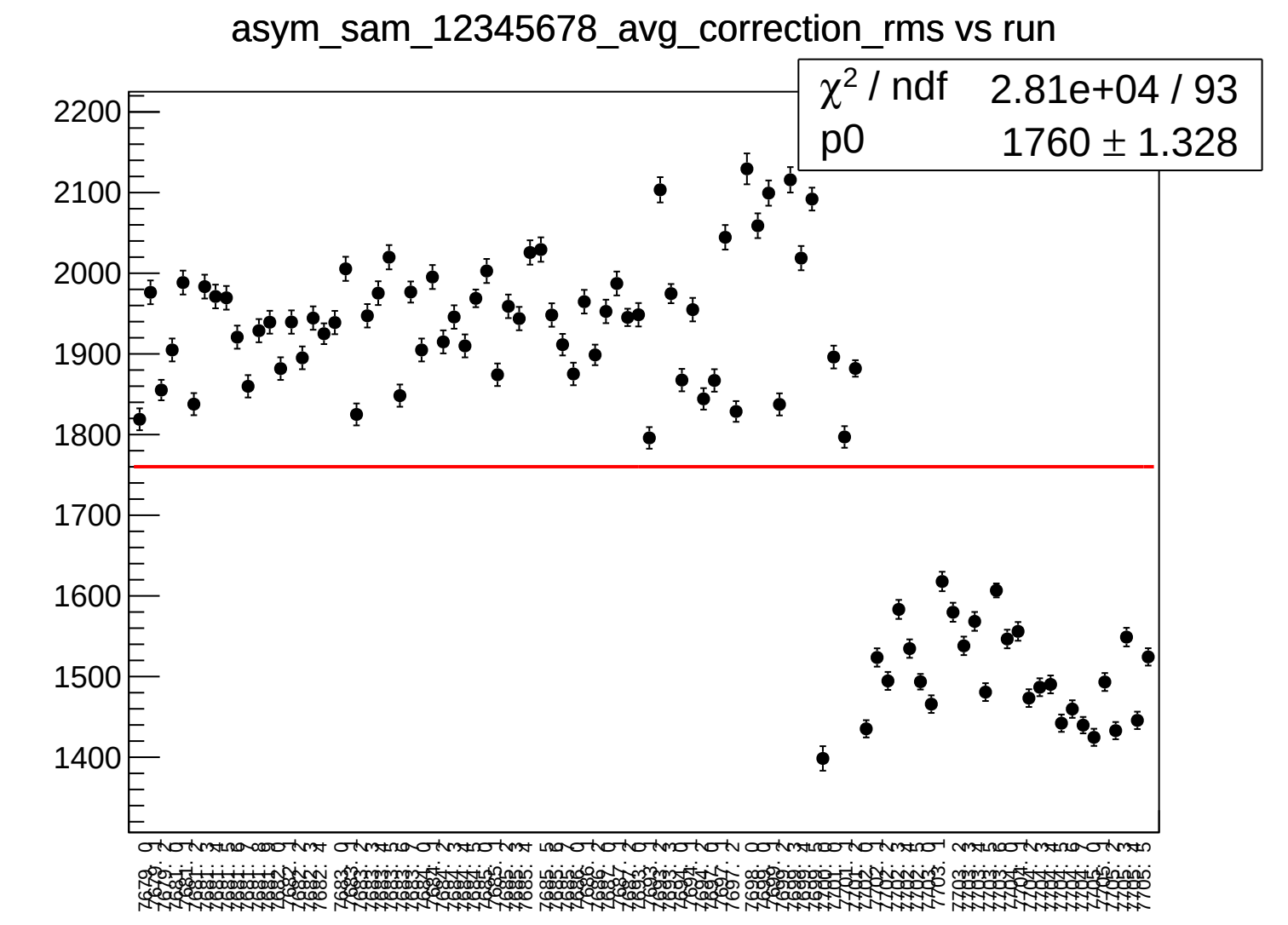

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 82.13 / 93
p0 −11.77 ± 153.4
pull
Entries 94
Mean −116.3
Std Dev 177.6

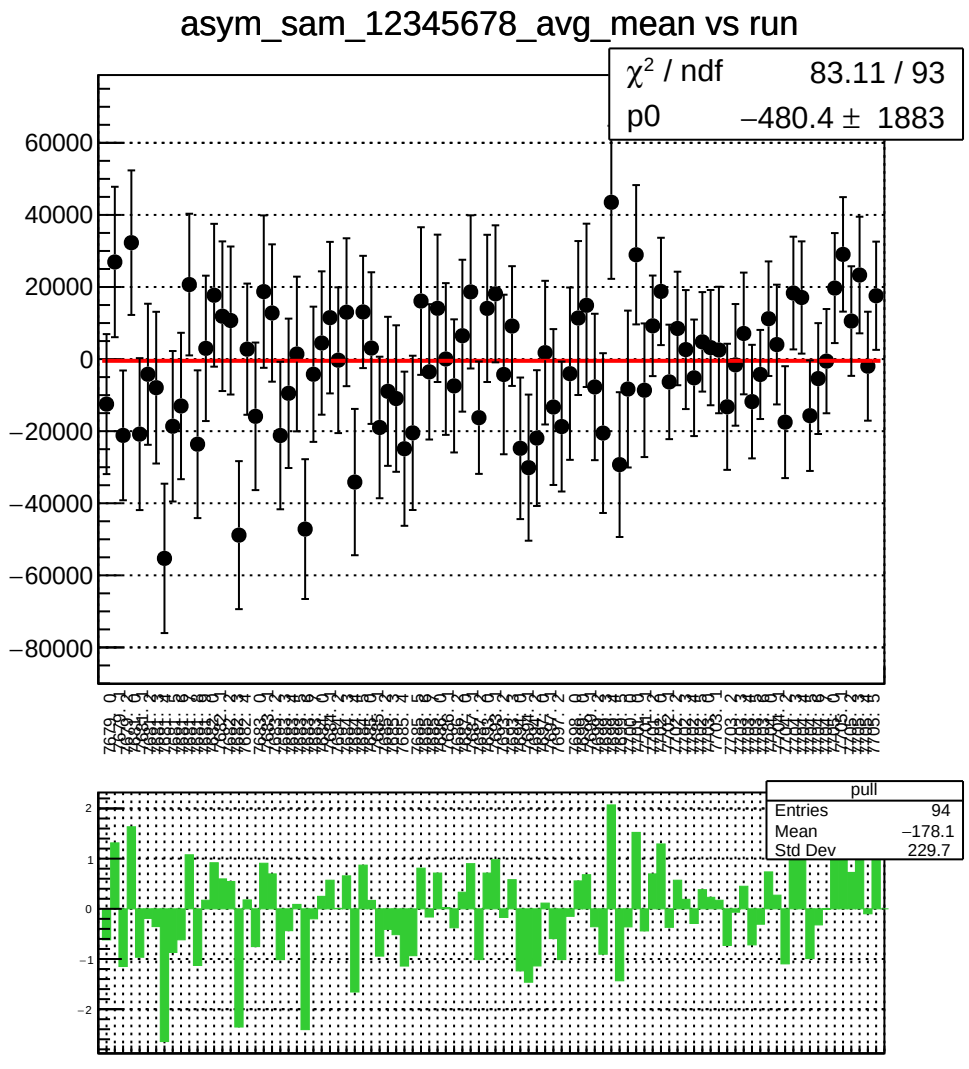

pull1D
Entries 94
Mean 0.004376
Std Dev 0.9347

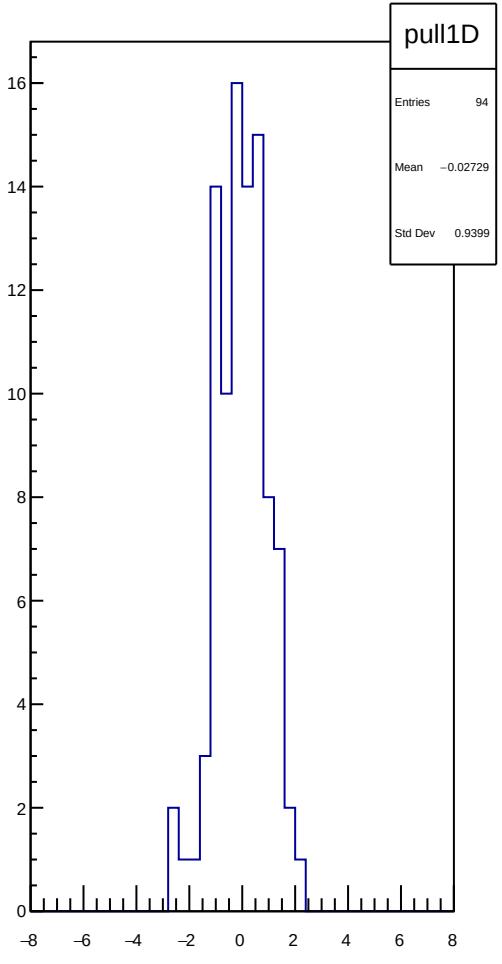

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.065e+04 / 93
p0 144.1 ± 0.1085
400
350
300
250
200
150
100

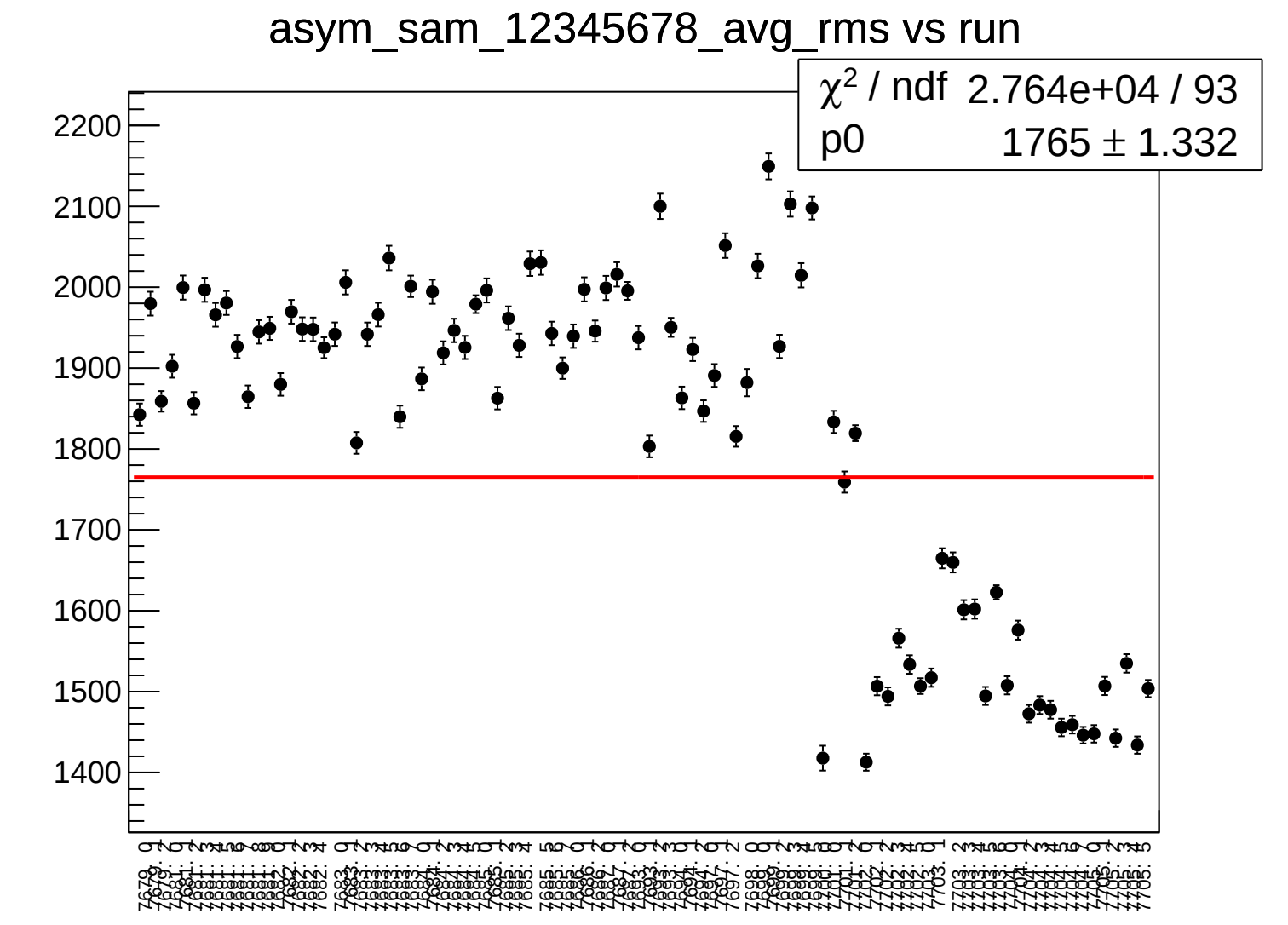

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 84.5 / 93
p0 486.4 ± 1878
pull
Entries 94
Mean −184.8
Std Dev 236.4

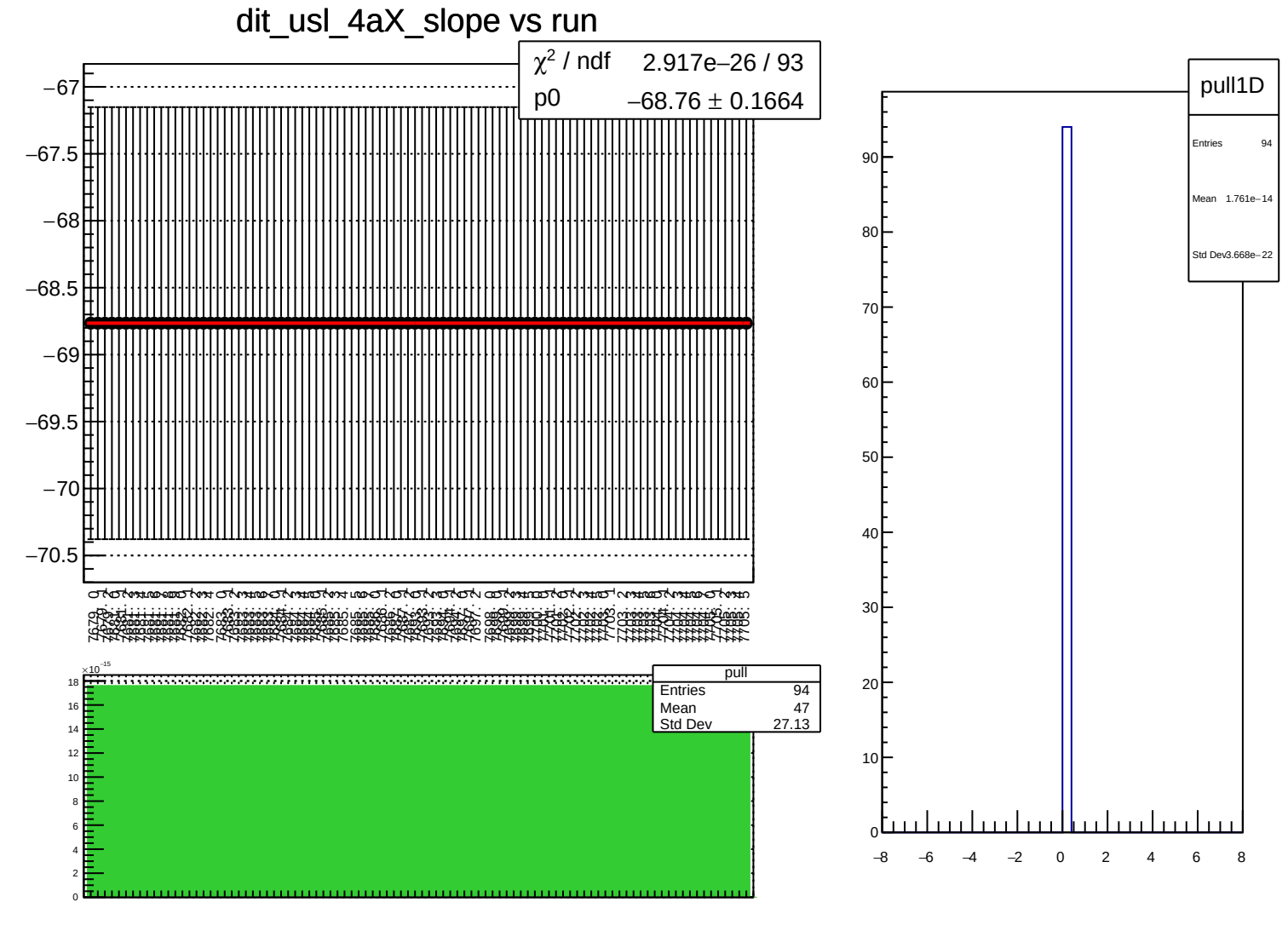

pull1D
Entries 94
Mean 0.02651
Std Dev 0.9478

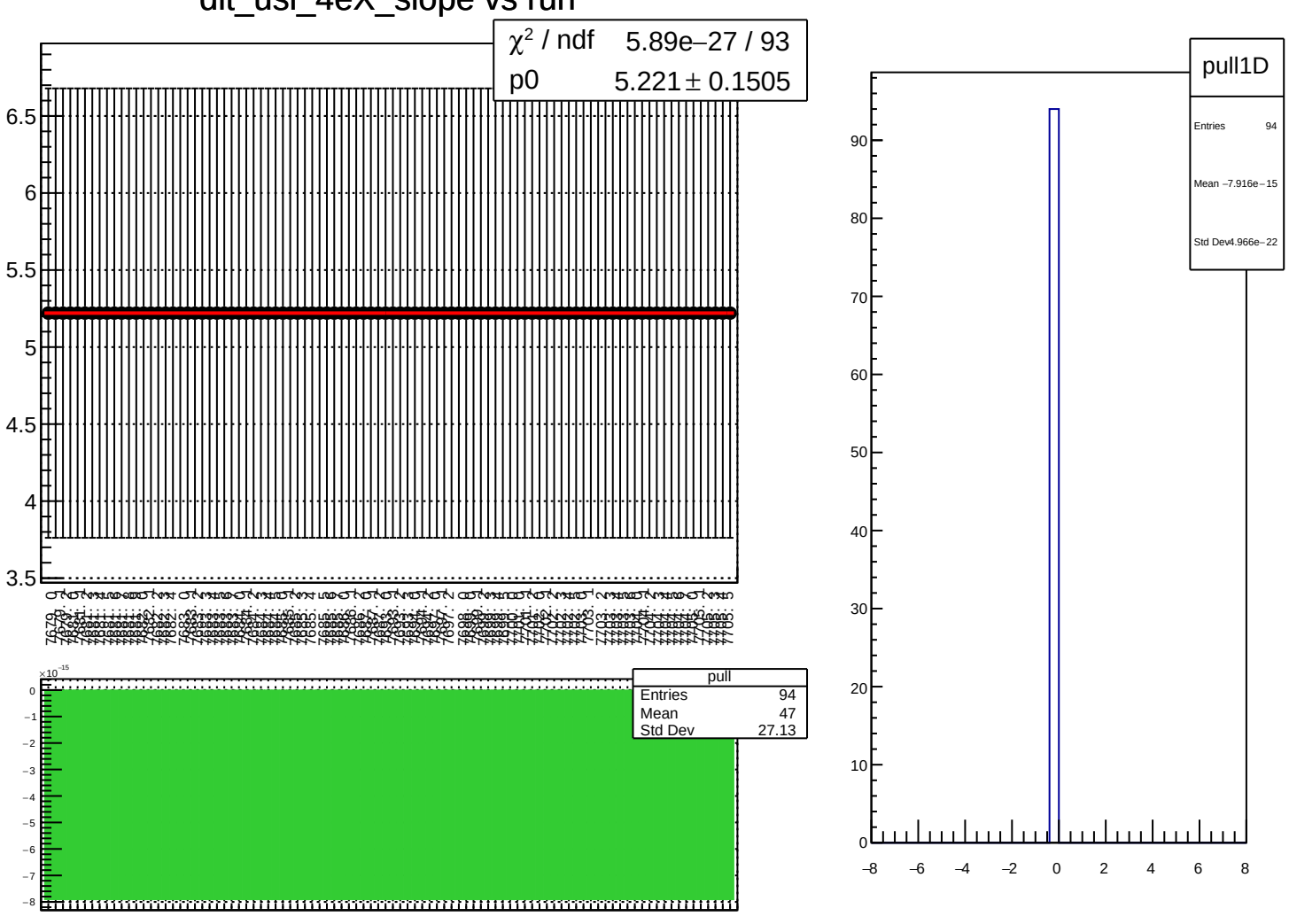

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2.81e+04 / 93
p0 1760 ± 1.328
2200
2100
2000
1900
1800
1700
1600
1500
1400

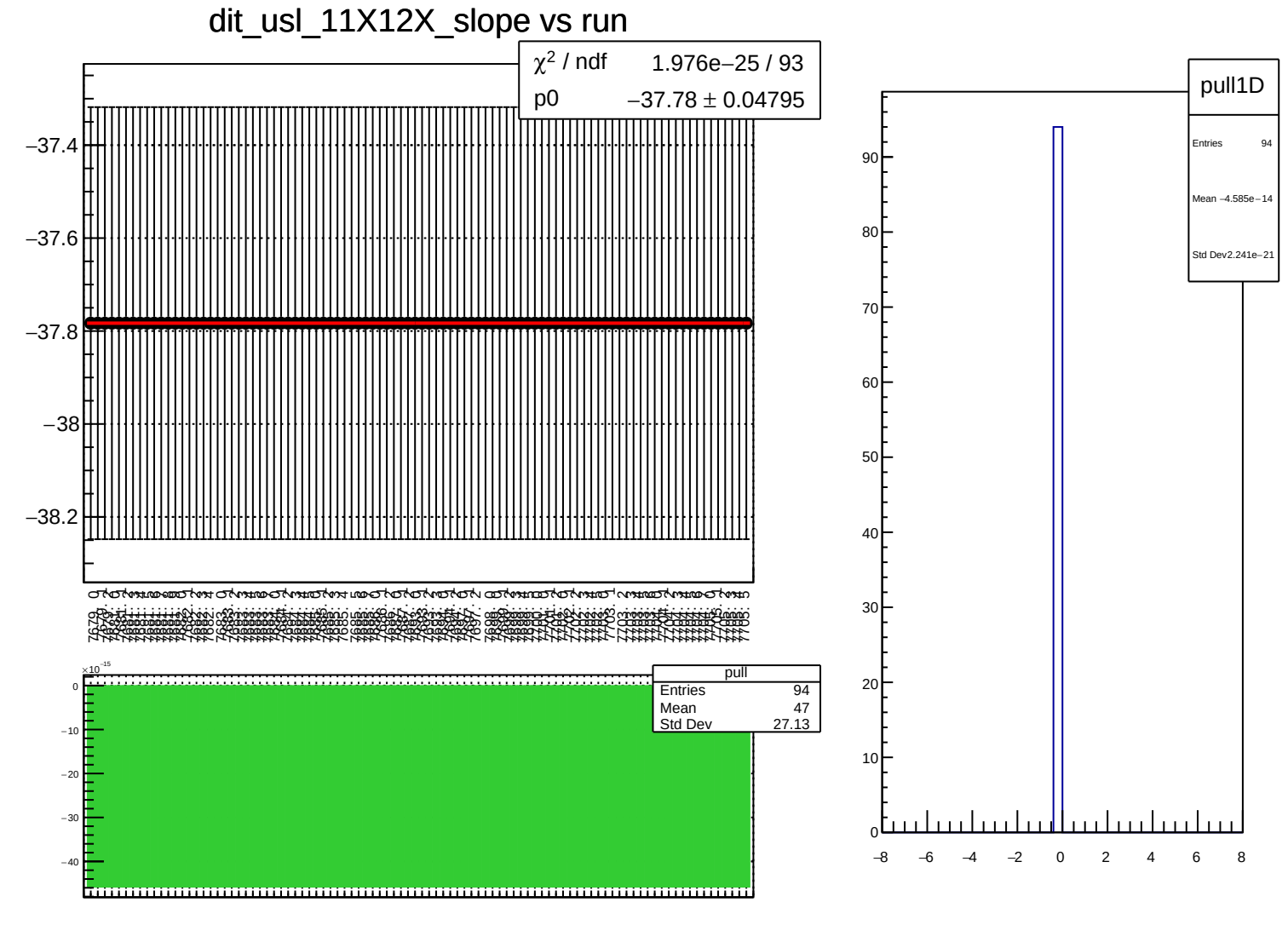

asym_sam_12345678_avg_mean vs run
χ² / ndf 83.11 / 93
p0 −480.4 ± 1883
pull
Entries 94
Mean −178.1
Std Dev 229.7

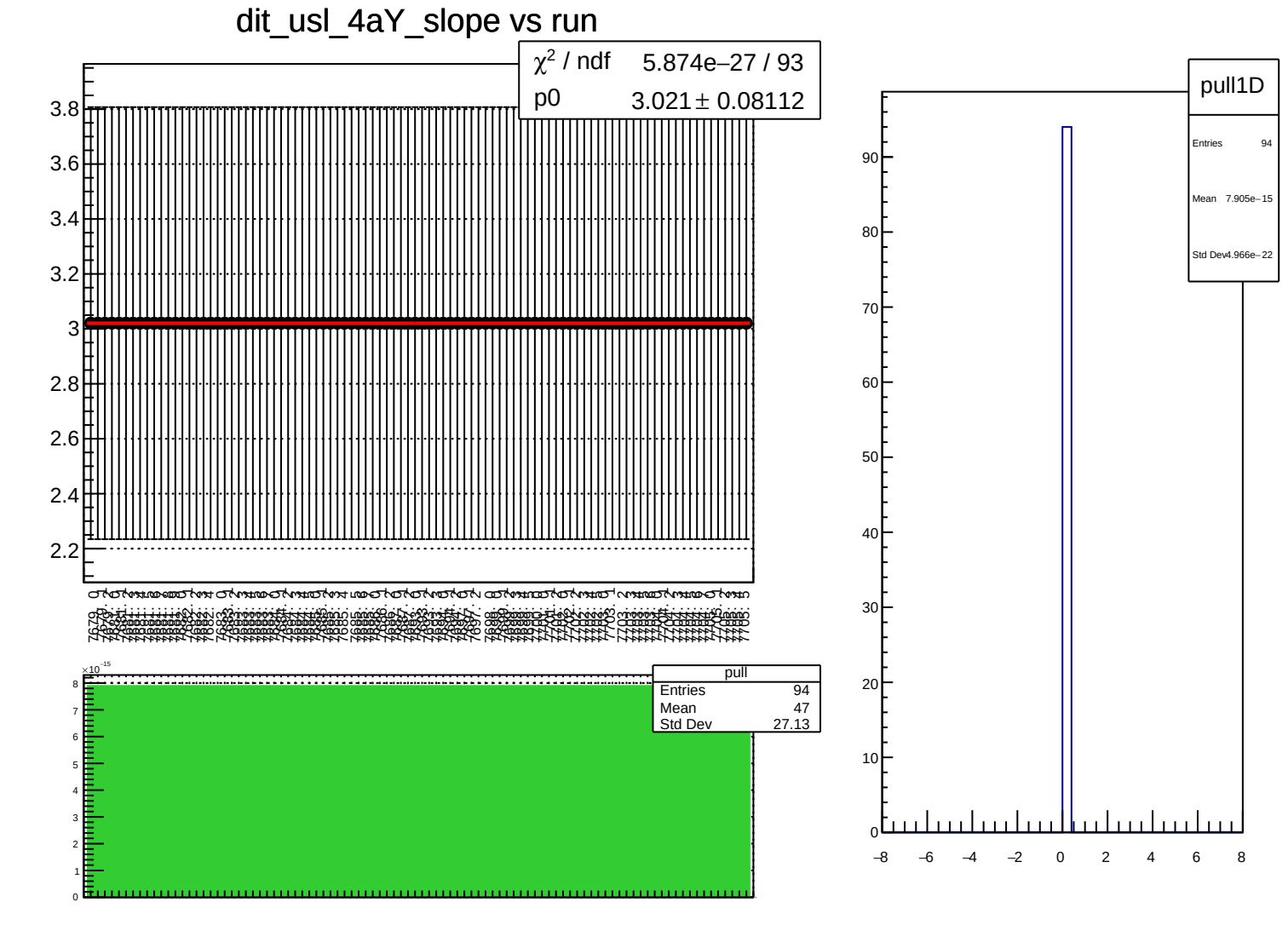

pull1D
Entries 94
Mean −0.02729
Std Dev 0.9399

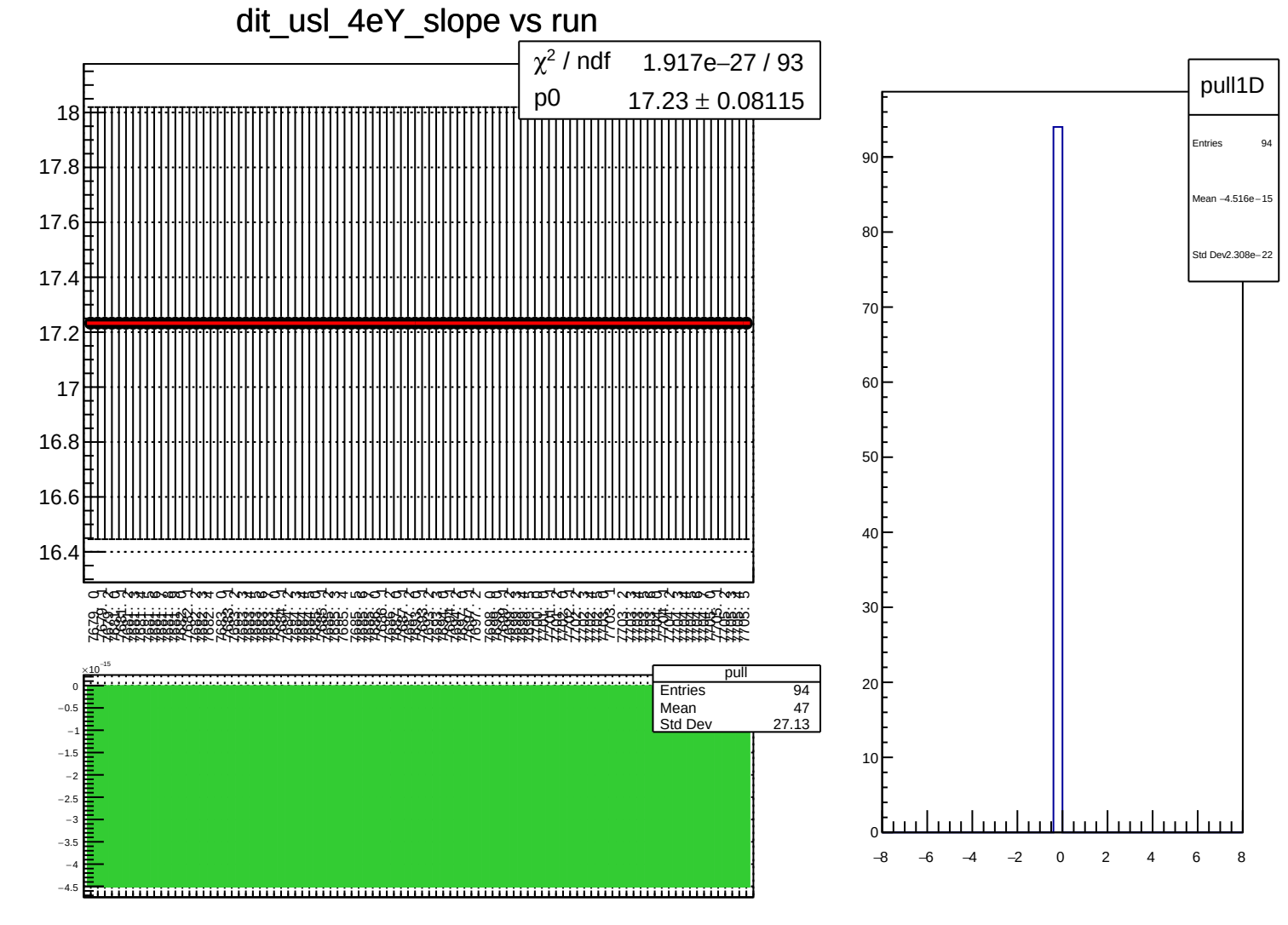

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.764e+04 / 93
p0 1765 ± 1.332
2200
2100
2000
1900
1800
1700
1600
1500
1400

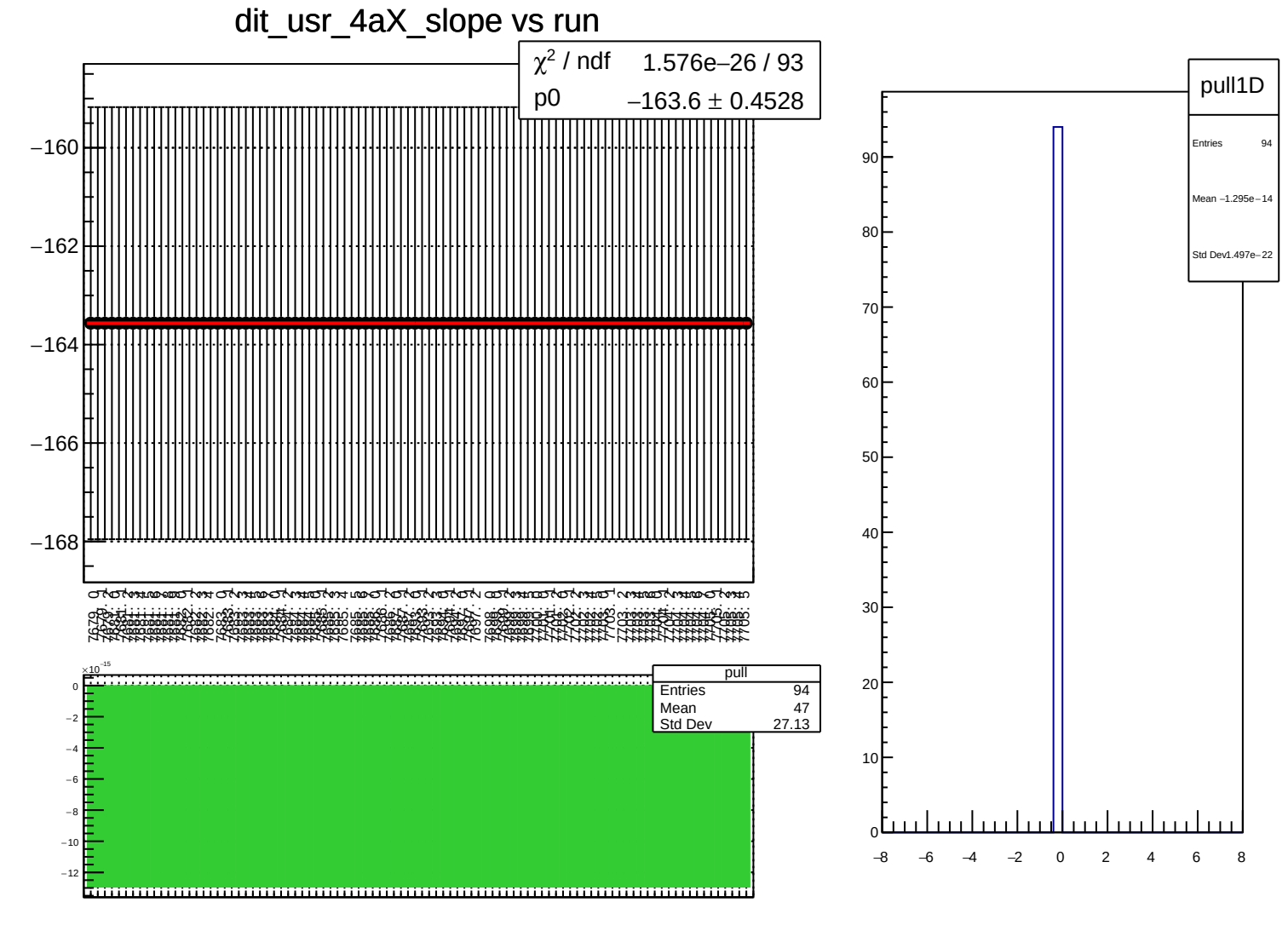

dit_usl_4aX_slope vs run
χ² / ndf 2.917e−26 / 93
p0 −68.76 ± 0.1664
−67
−67.5
−68
−68.5
−69
−69.5
−70
−70.5
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
pull1D
Entries 94
Mean 1.761e−14
Std Dev 3.668e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

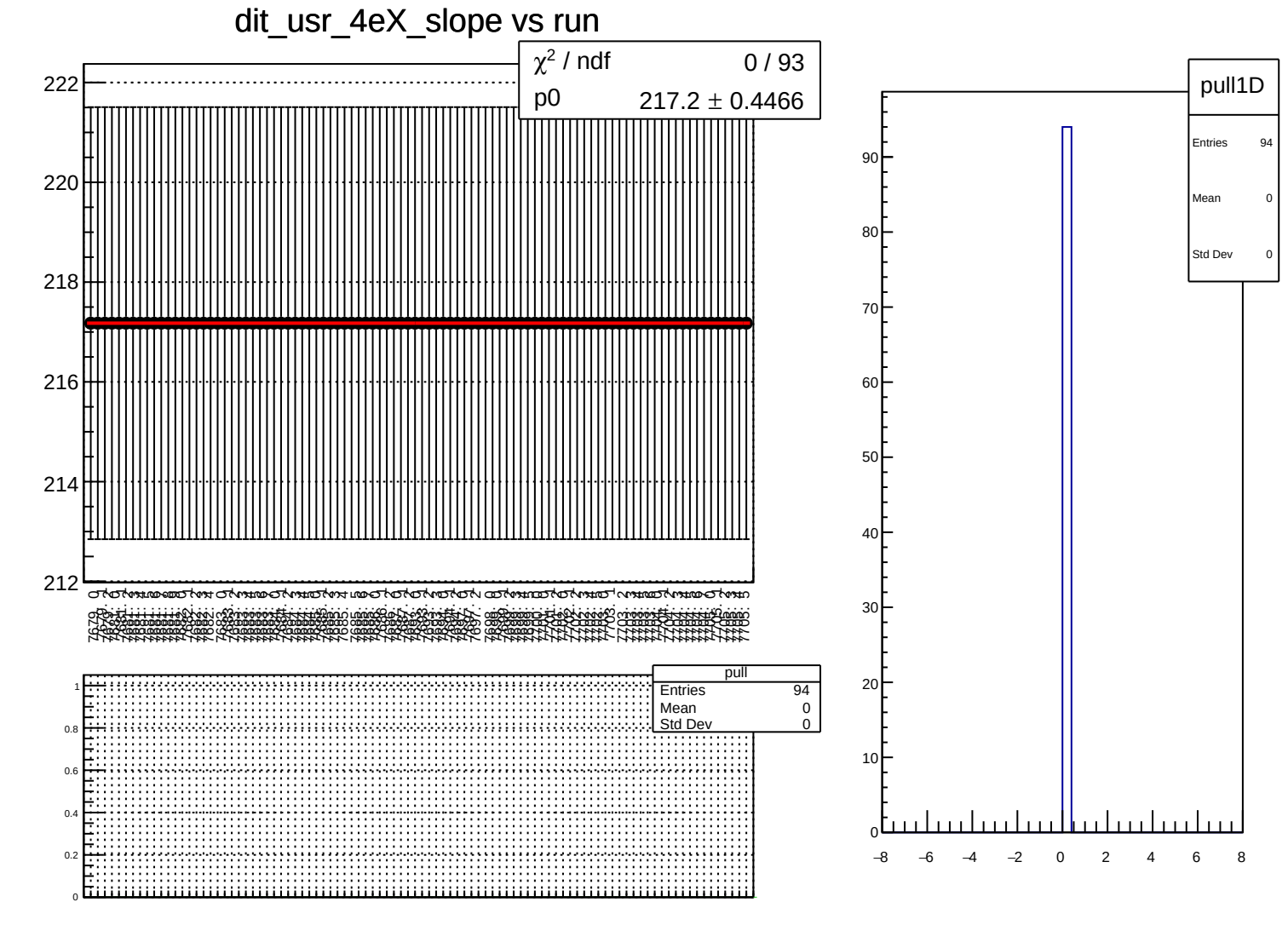

dit_usl_4eX_slope vs run
χ² / ndf 5.89e−27 / 93
p0 5.221 ± 0.1505
6.5
6
5.5
5
4.5
4
3.5
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull1D
Entries 94
Mean −7.916e−15
Std Dev 4.966e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

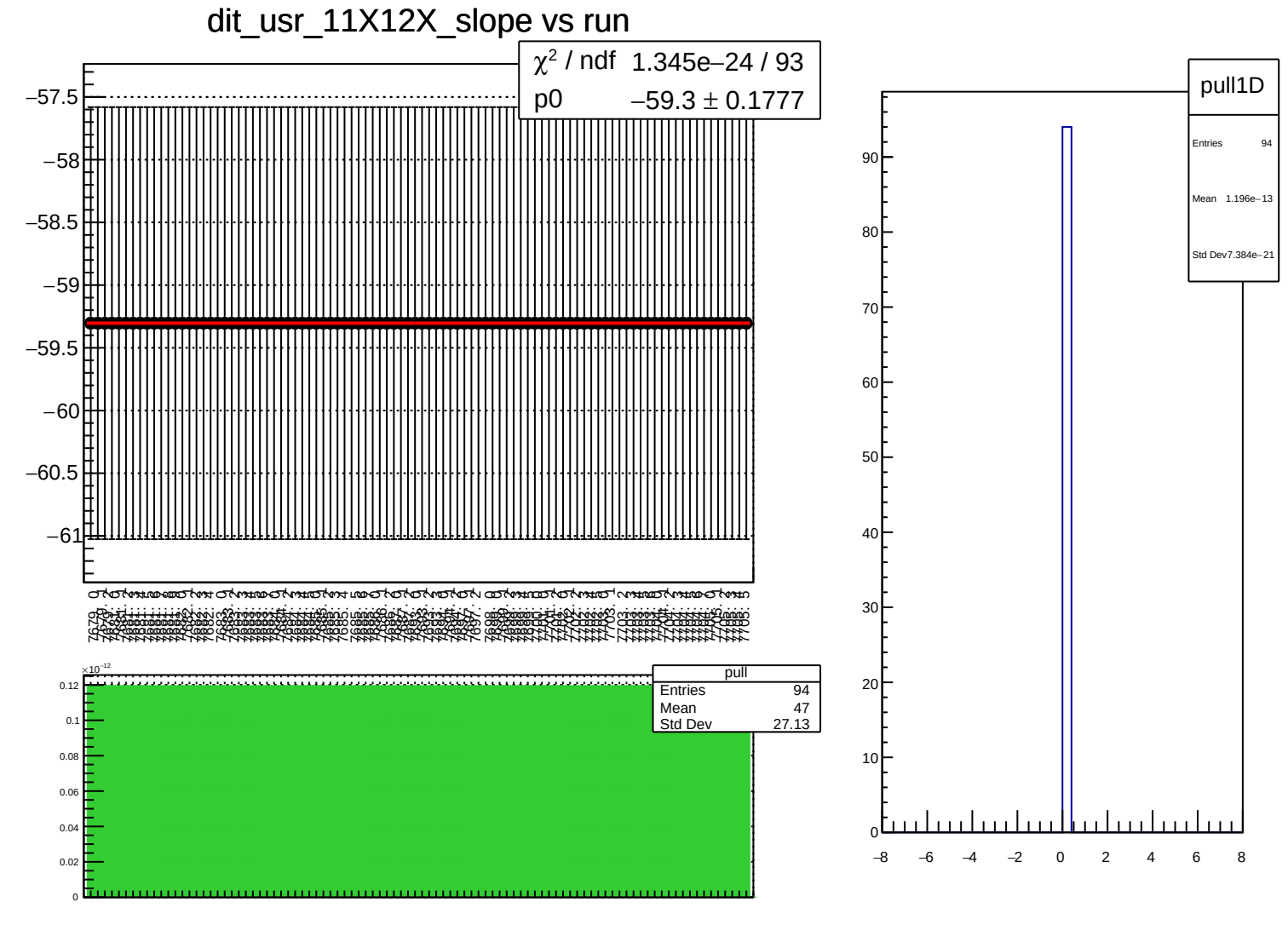

dit_usl_11X12X_slope vs run
χ² / ndf 1.976e−25 / 93
p0 −37.78 ± 0.04795
−37.4
−37.6
−37.8
−38
−38.2
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 94
Mean −4.585e−14
Std Dev2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

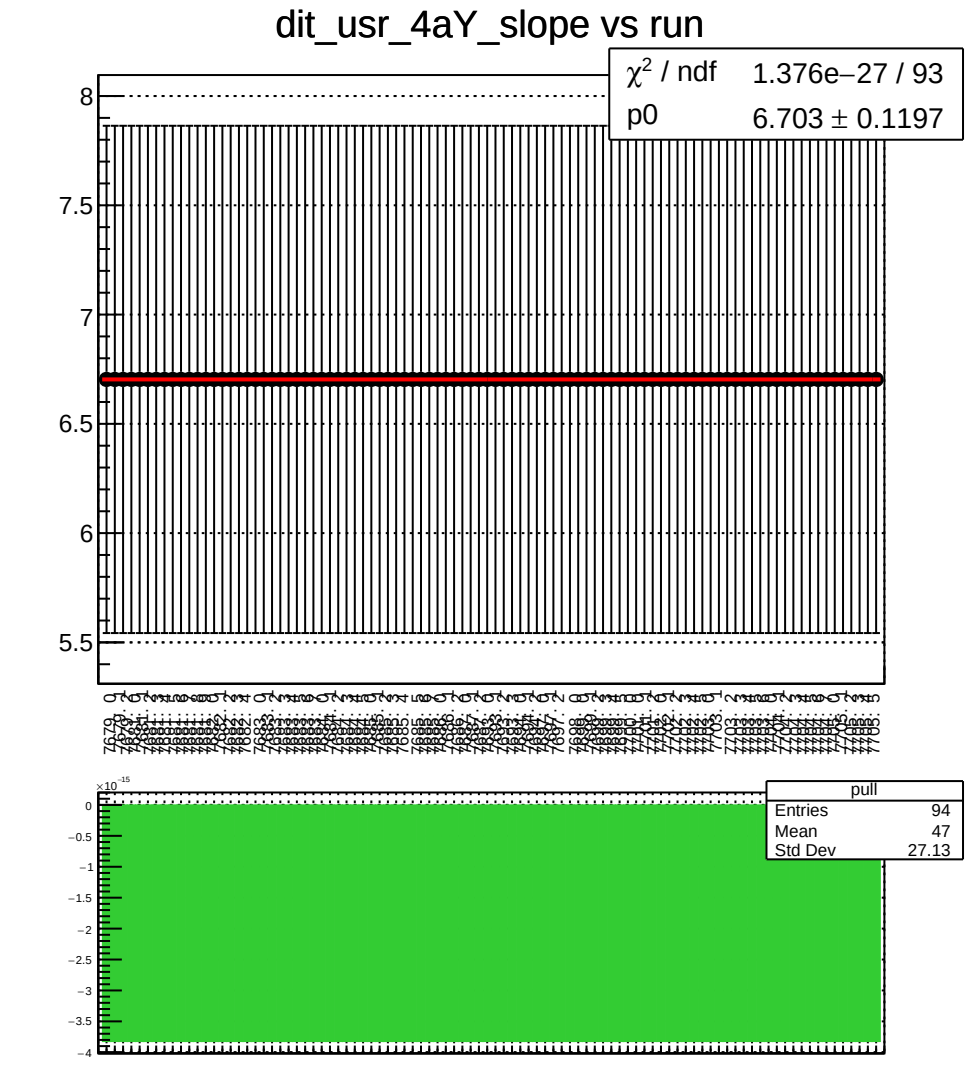

dit_usl_4aY_slope vs run
χ² / ndf 5.874e−27 / 93
p0 3.021 ± 0.08112
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 7.905e−15
Std Dev 4.966e−22

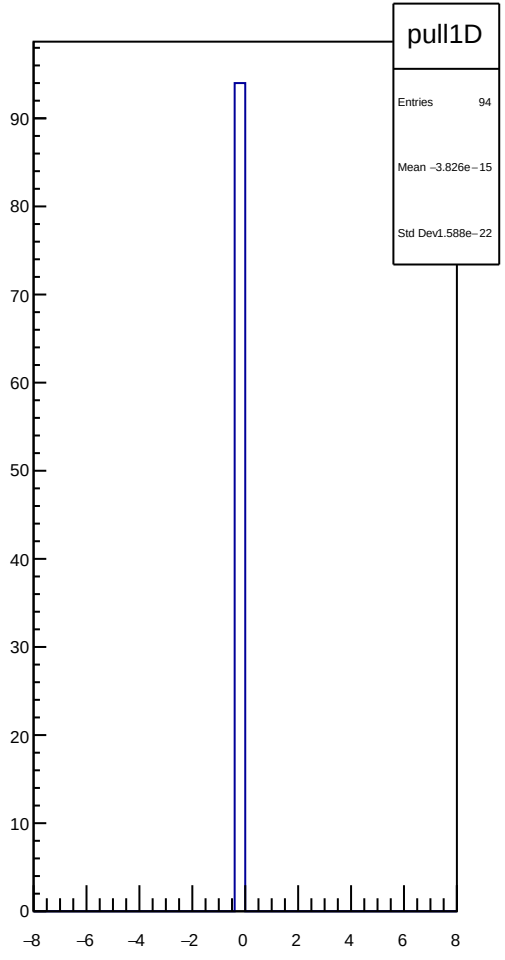

dit_usl_4eY_slope vs run
χ² / ndf 1.917e−27 / 93
p0 17.23 ± 0.08115
18
17.8
17.6
17.4
17.2
17
16.8
16.6
16.4
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
pull1D
Entries 94
Mean −4.516e−15
Std Dev 2.308e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

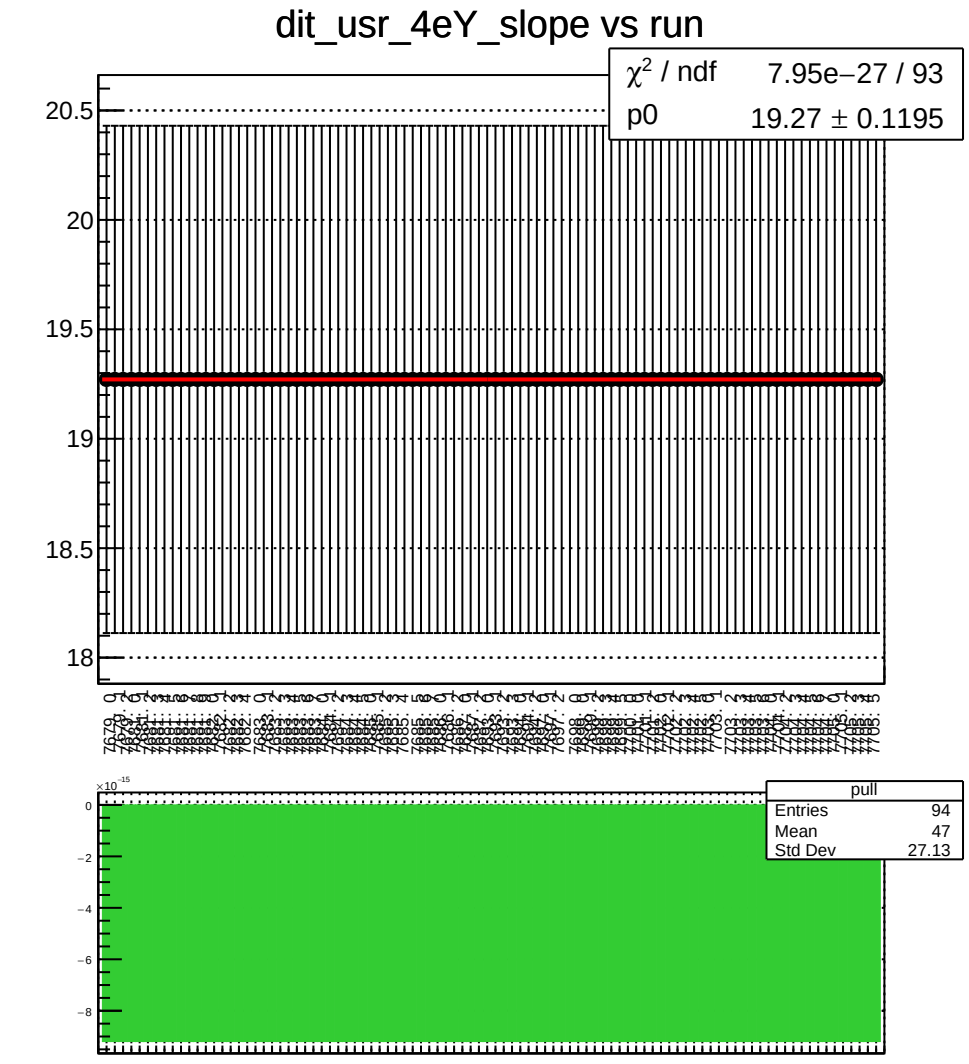

dit_usr_4aX_slope vs run
χ² / ndf 1.576e−26 / 93
p0 −163.6 ± 0.4528
−160
−162
−164
−166
−168
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean −1.295e−14
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

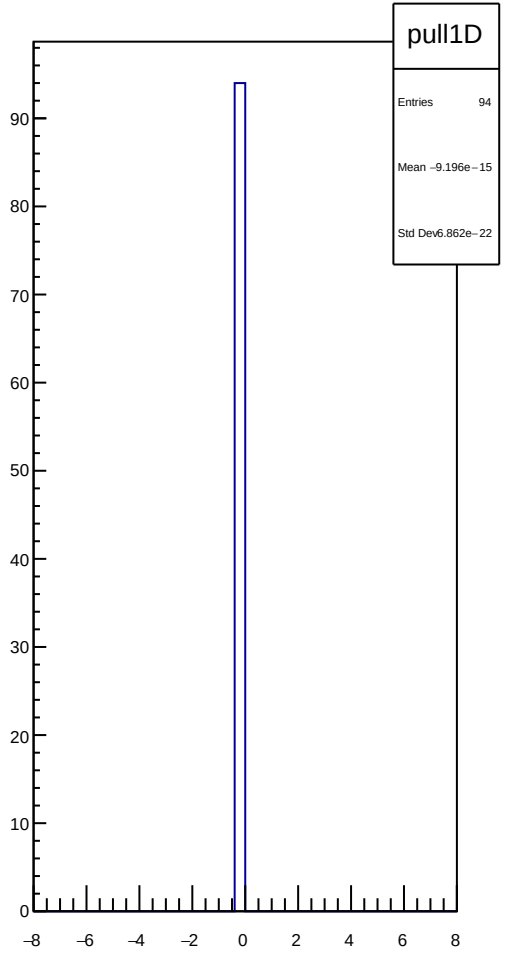

dit_usr_4eX_slope vs run
χ² / ndf 0 / 93
p0 217.2 ± 0.4466
222
220
218
216
214
212
pull
Entries 94
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 94
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

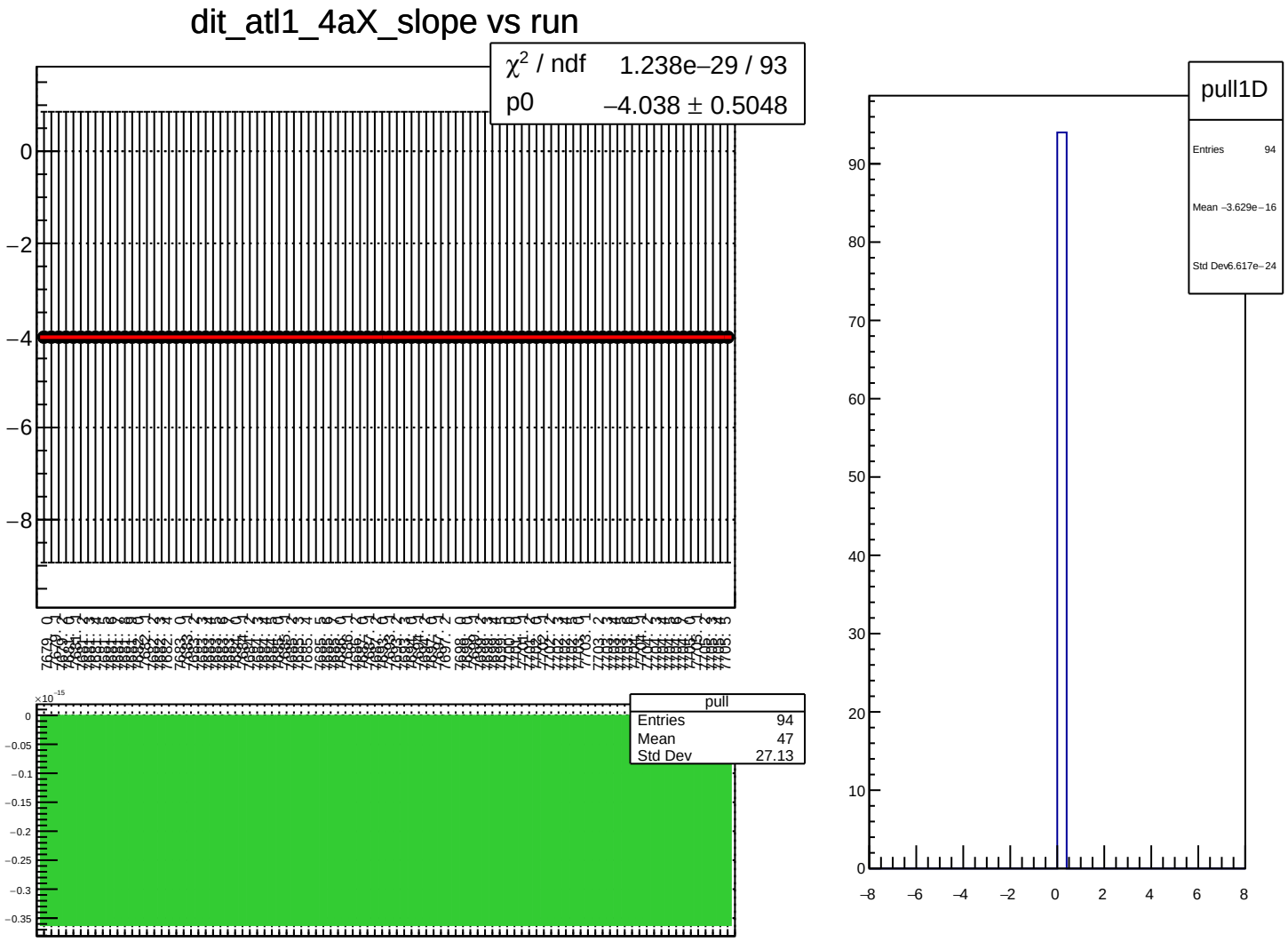

dit_usr_11X12X_slope vs run
χ² / ndf 1.345e−24 / 93
p0 −59.3 ± 0.1777
−57.5
−58
−58.5
−59
−59.5
−60
−60.5
−61
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.196e−13
Std Dev7.384e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

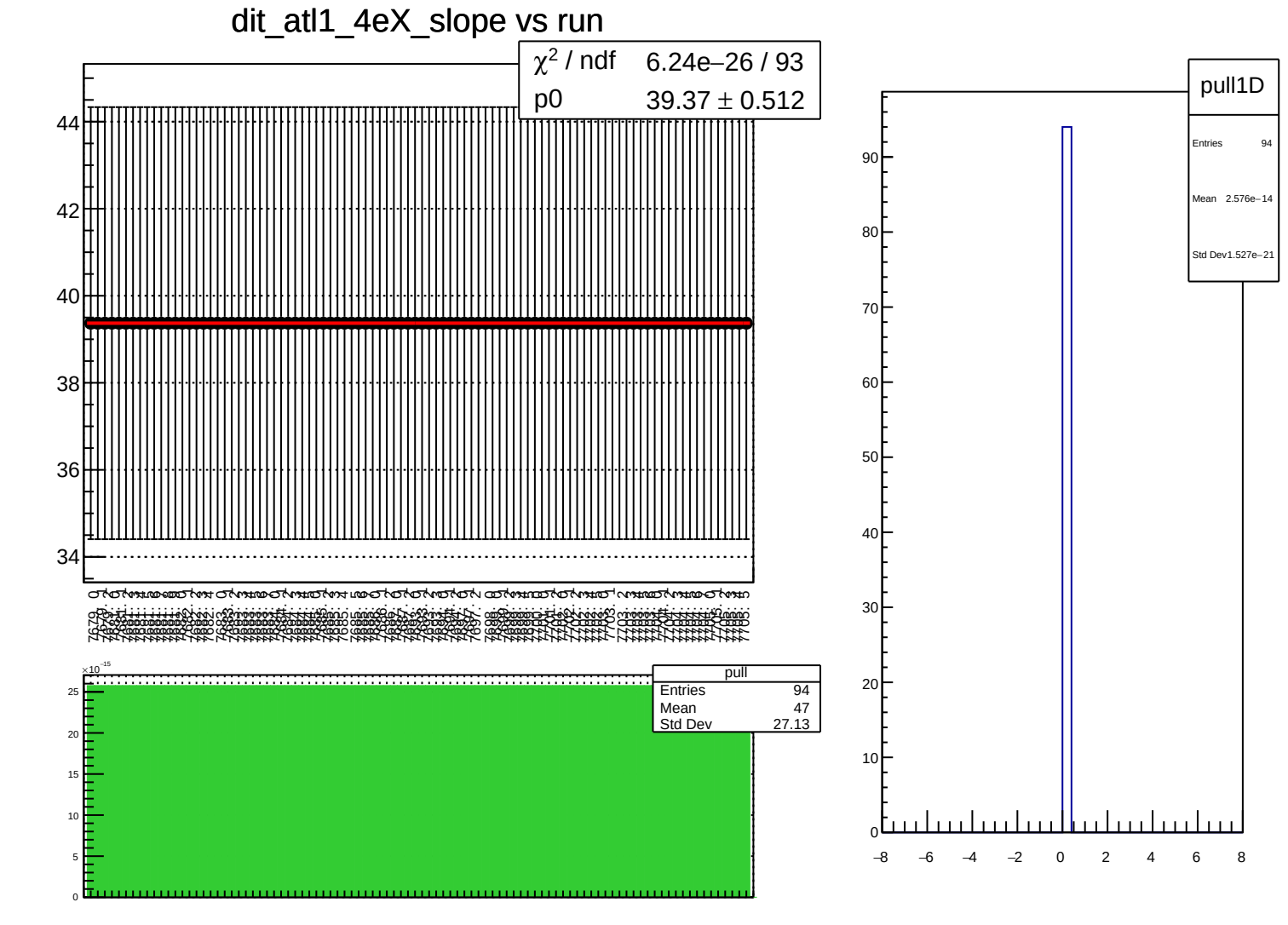

dit_usr_4aY_slope vs run
χ² / ndf 1.376e−27 / 93
p0 6.703 ± 0.1197
8
7.5
7
6.5
6
5.5
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

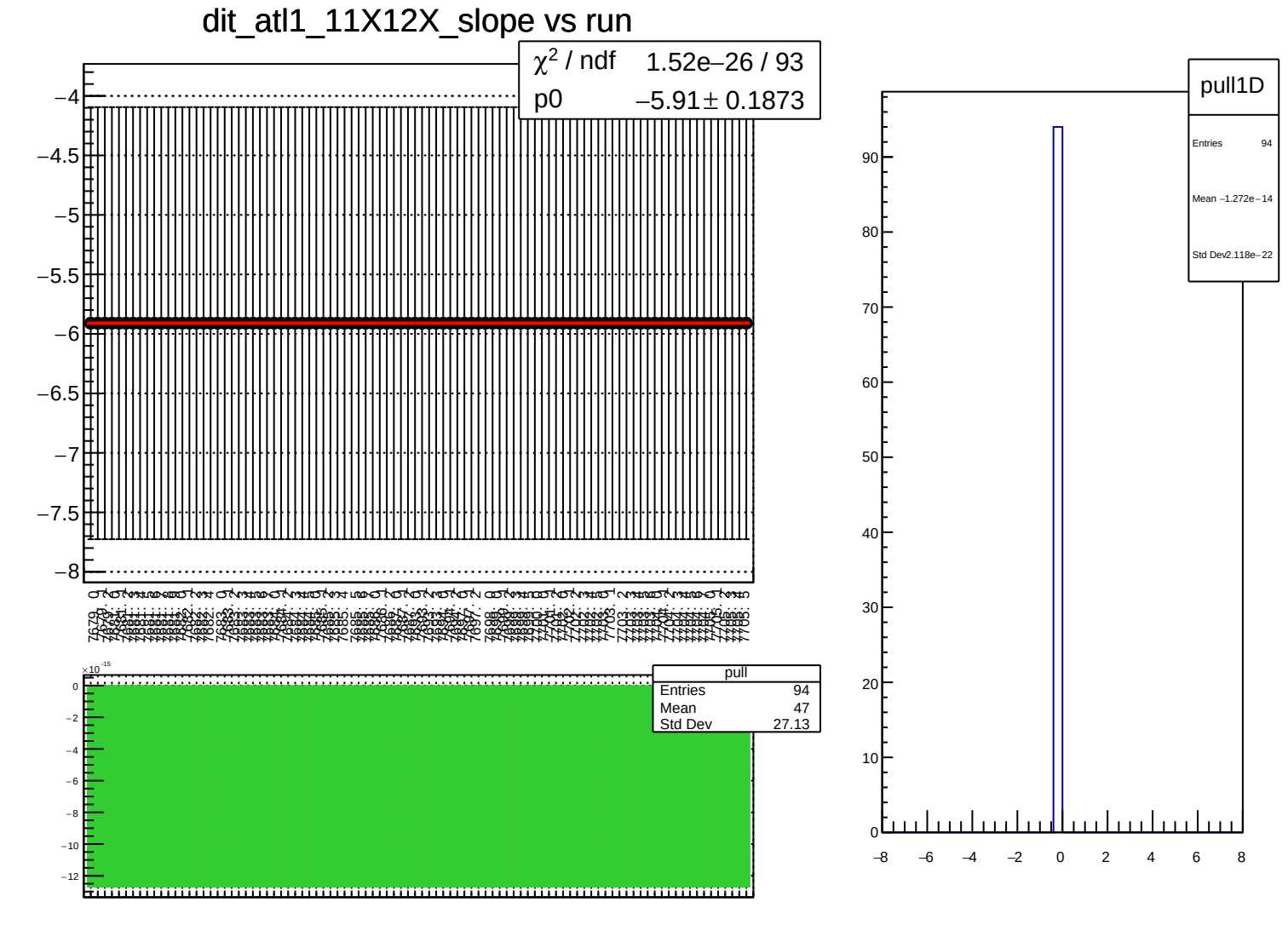

pull1D
Entries 94
Mean −3.826e−15
Std Dev1.588e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

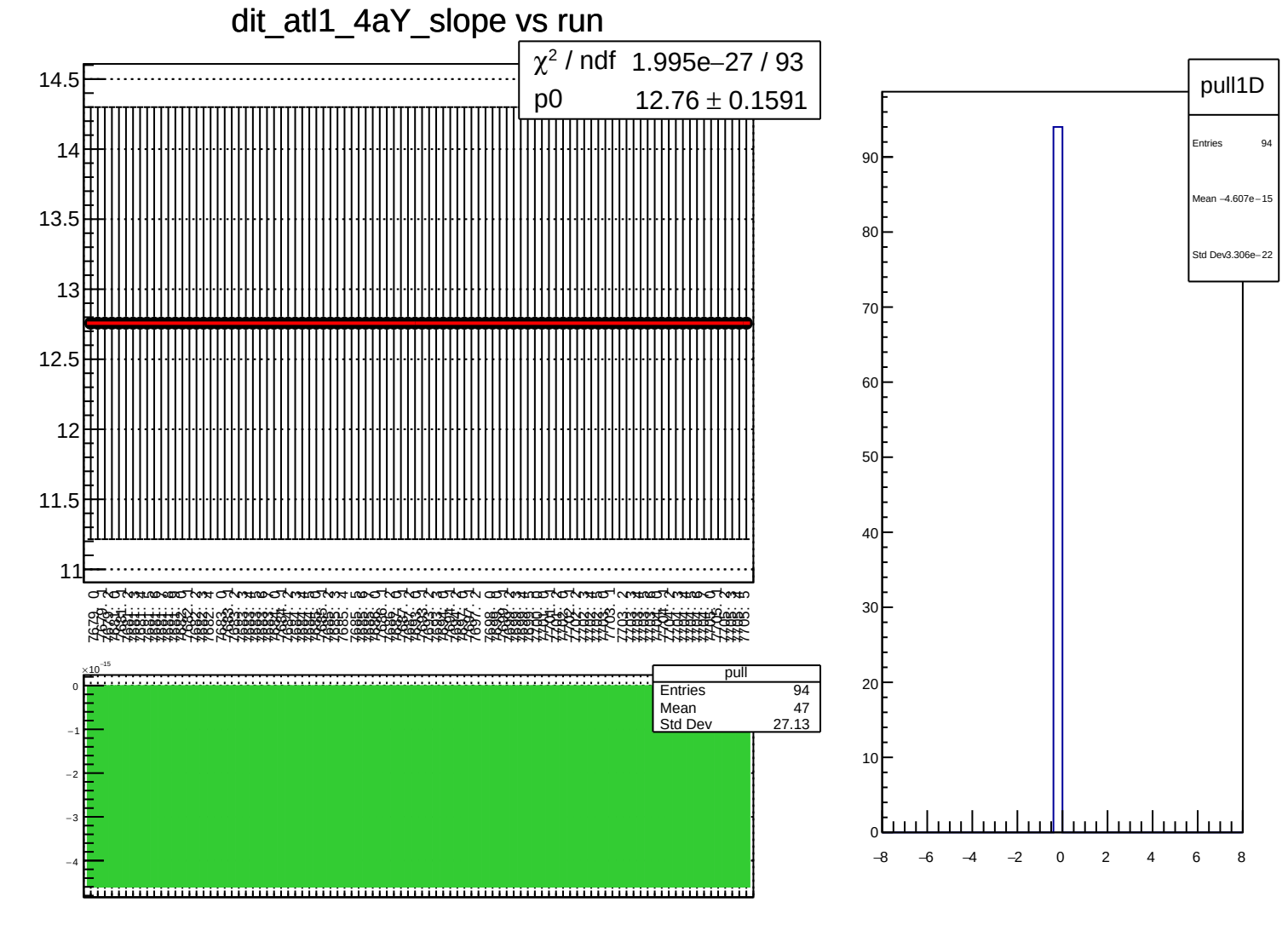

dit_usr_4eY_slope vs run
χ² / ndf 7.95e−27 / 93
p0 19.27 ± 0.1195
20.5
20
19.5
19
18.5
18
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−2
−4
−6
−8

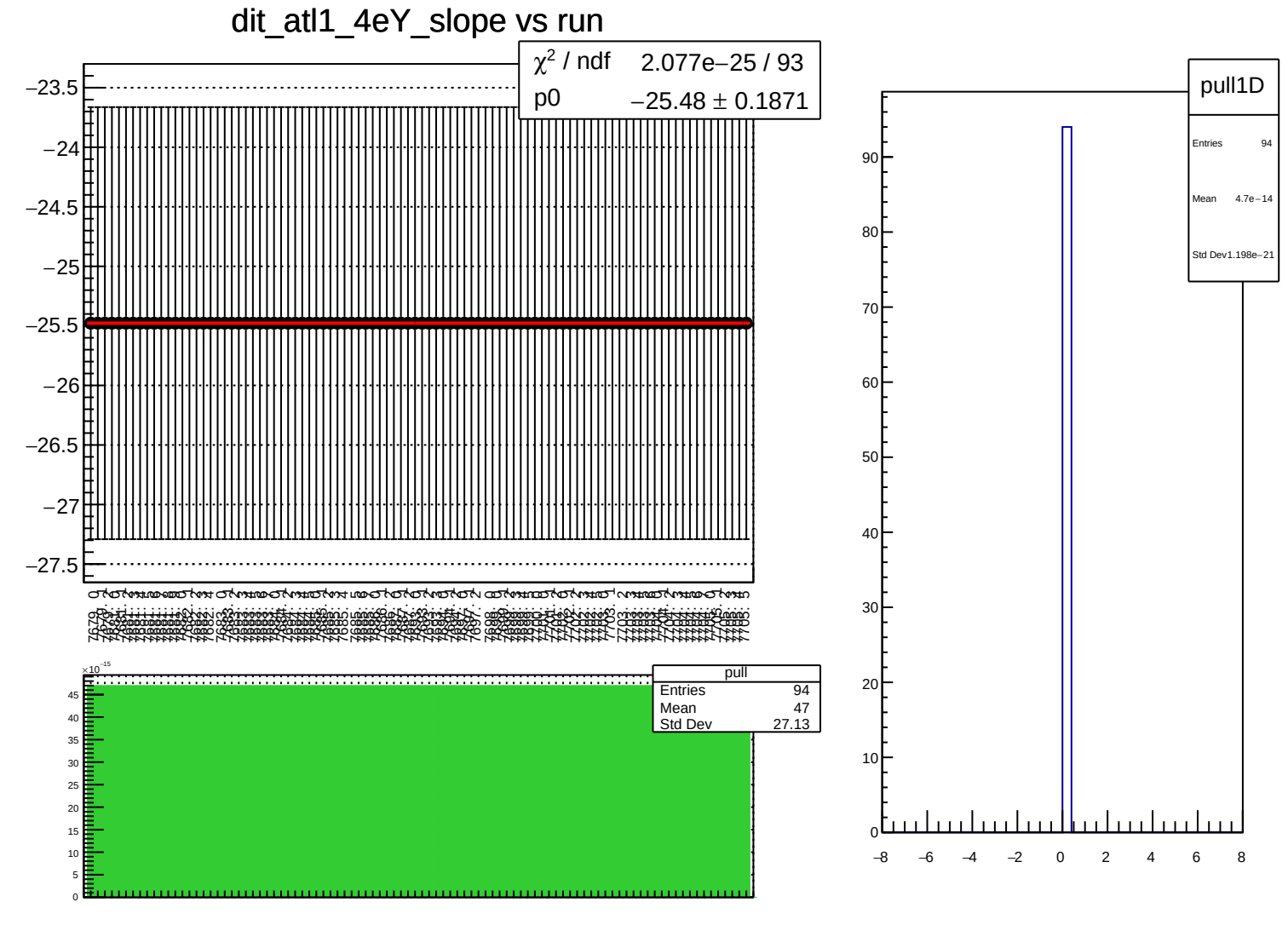

pull1D
Entries 94
Mean −9.196e−15
Std Dev 6.862e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

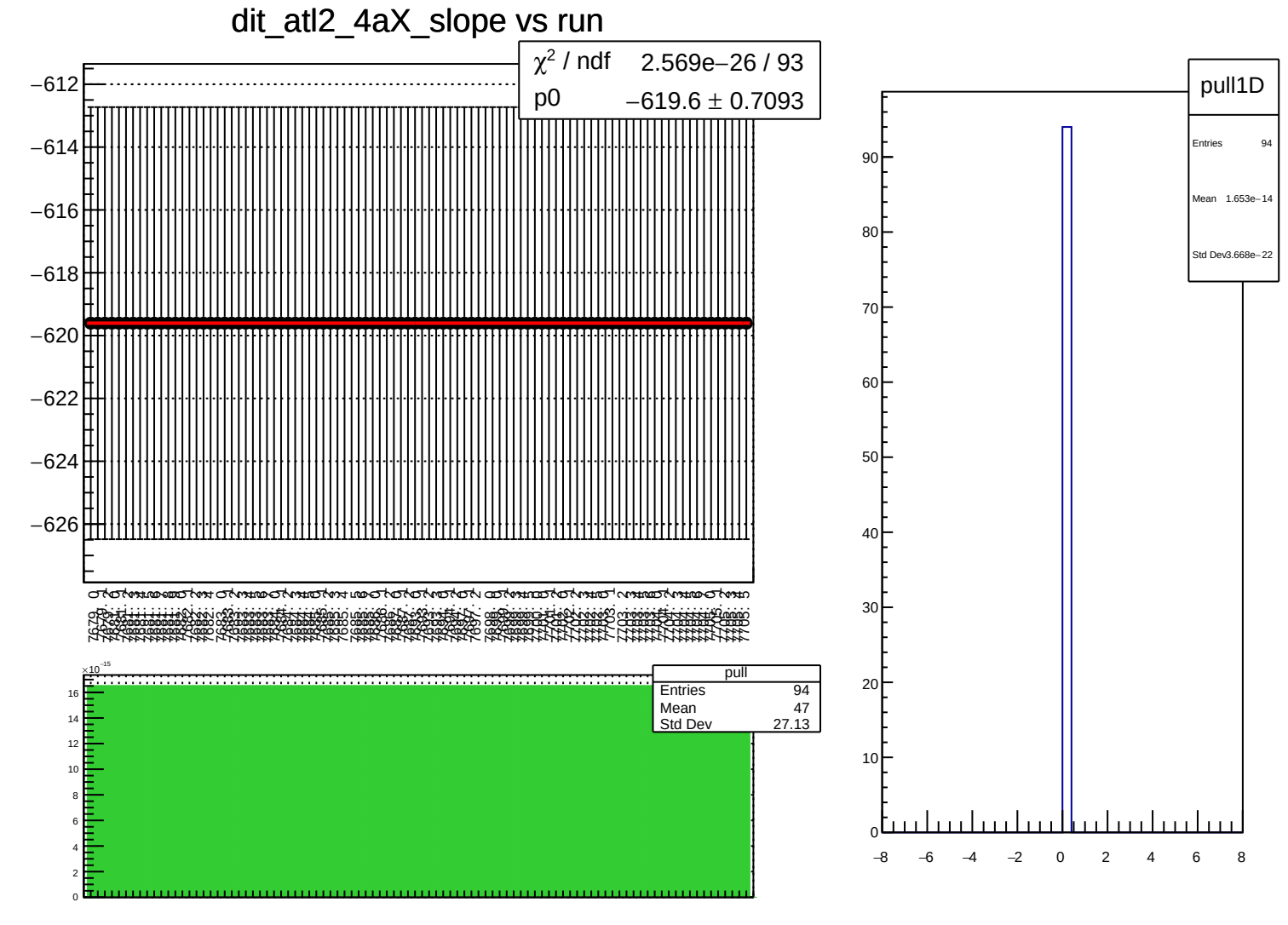

dit_atl1_4aX_slope vs run
χ² / ndf 1.238e−29 / 93
p0 −4.038 ± 0.5048
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean −3.629e−16
Std Dev 6.617e−24

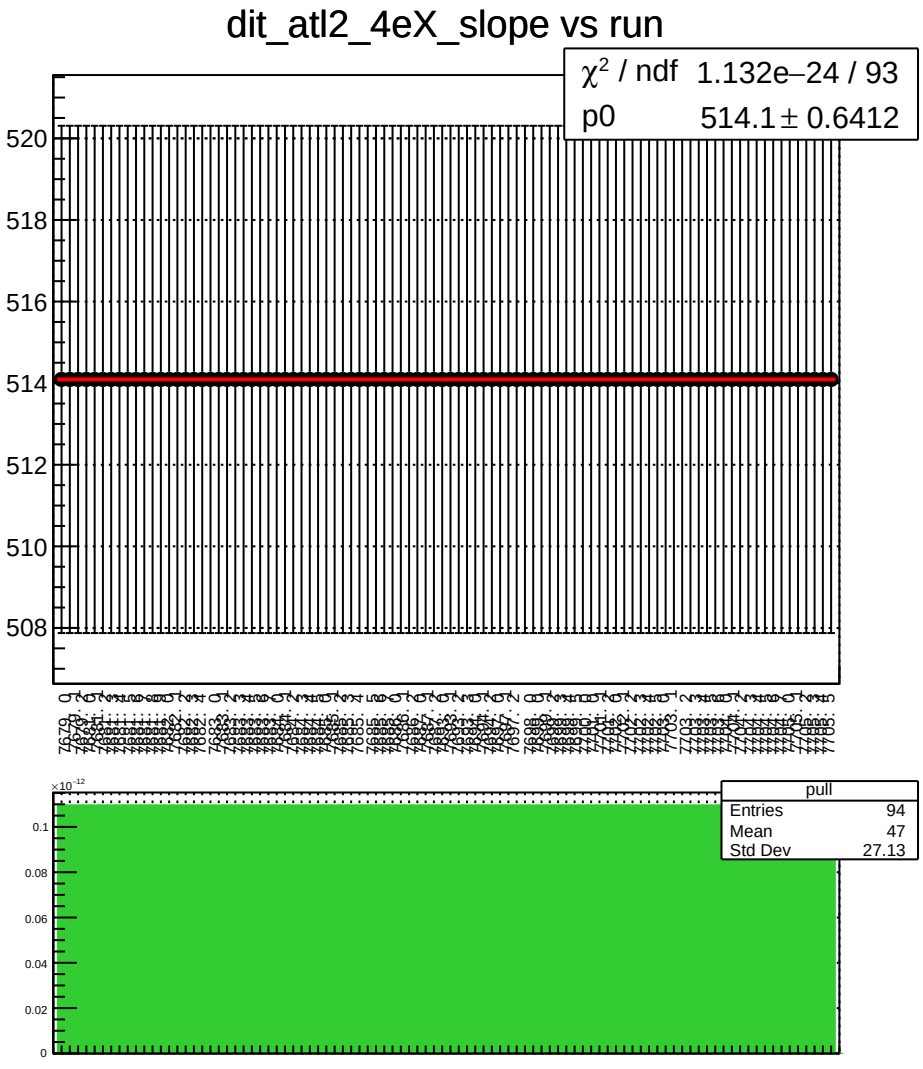

dit_atl1_4eX_slope vs run
χ² / ndf 6.24e−26 / 93
p0 39.37 ± 0.512
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 2.576e−14
Std Dev1.527e−21

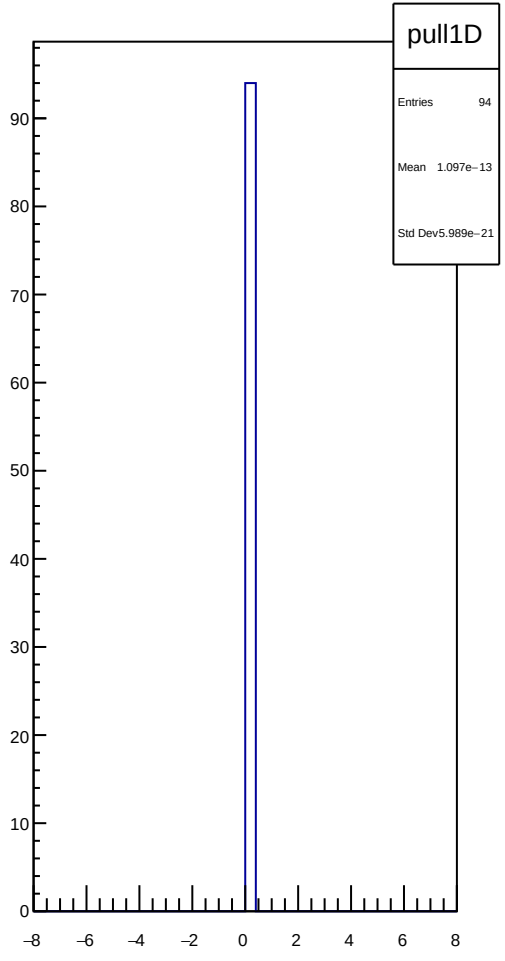

dit_atl1_11X12X_slope vs run
χ² / ndf 1.52e−26 / 93
p0 −5.91 ± 0.1873
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean −1.272e−14
Std Dev 2.118e−22

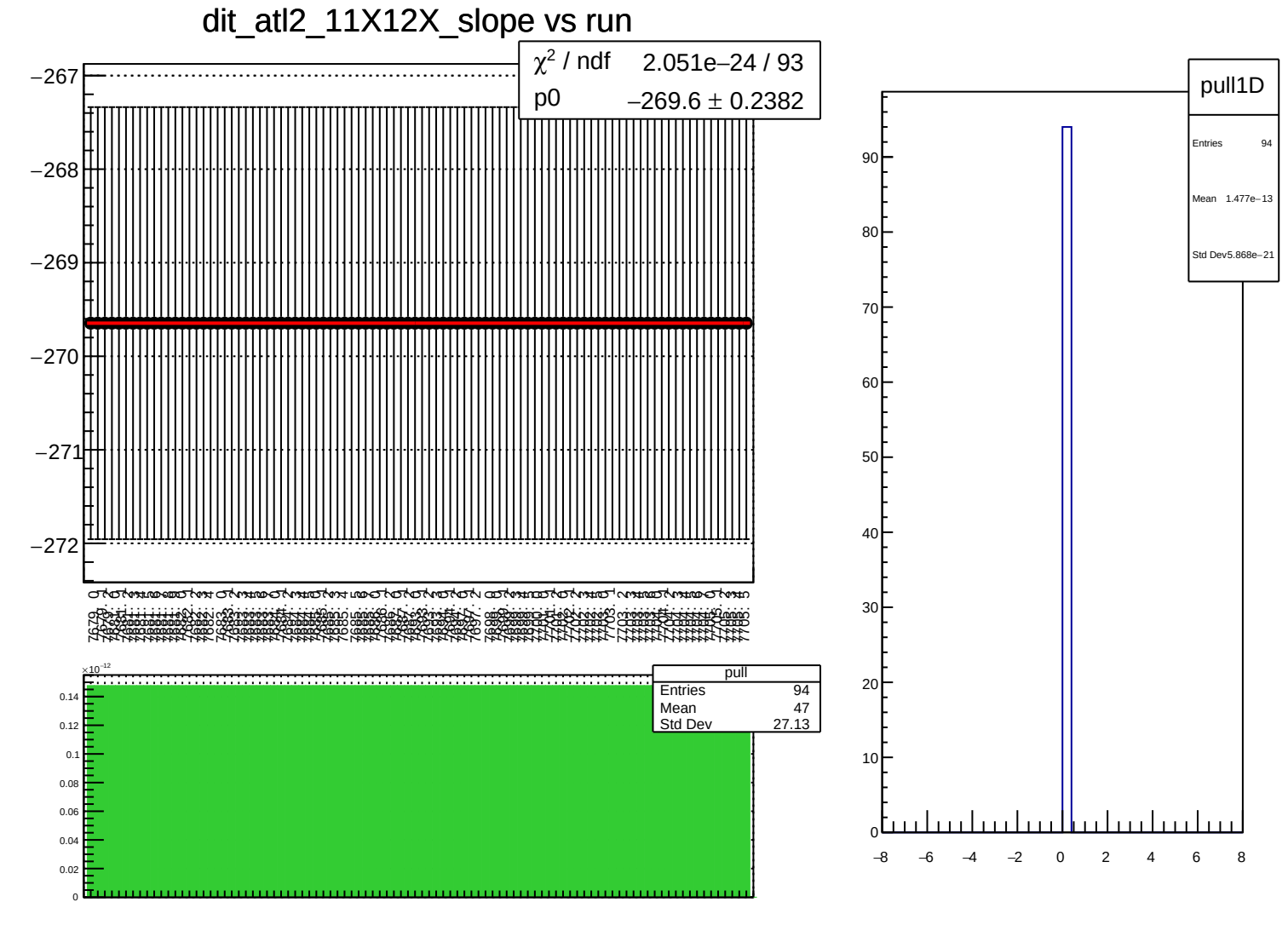

dit_atl1_4aY_slope vs run
χ² / ndf 1.995e−27 / 93
p0 12.76 ± 0.1591
14.5
14
13.5
13
12.5
12
11.5
11
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−1
−2
−3
−4
pull1D
Entries 94
Mean −4.607e−15
Std Dev3.306e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

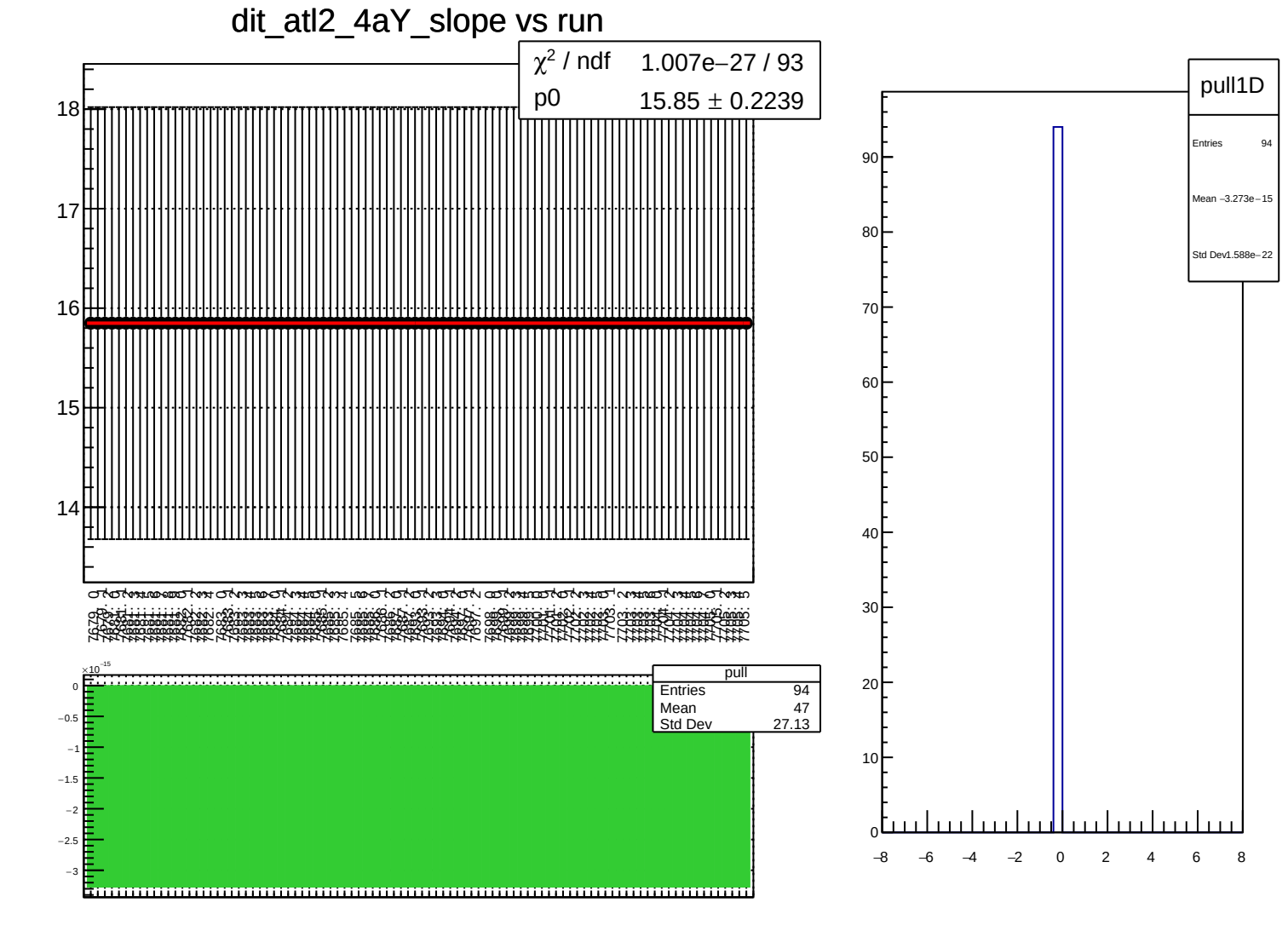

dit_atl1_4eY_slope vs run
χ² / ndf 2.077e−25 / 93
p0 −25.48 ± 0.1871
−23.5
−24
−24.5
−25
−25.5
−26
−26.5
−27
−27.5
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 94
Mean 4.7e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

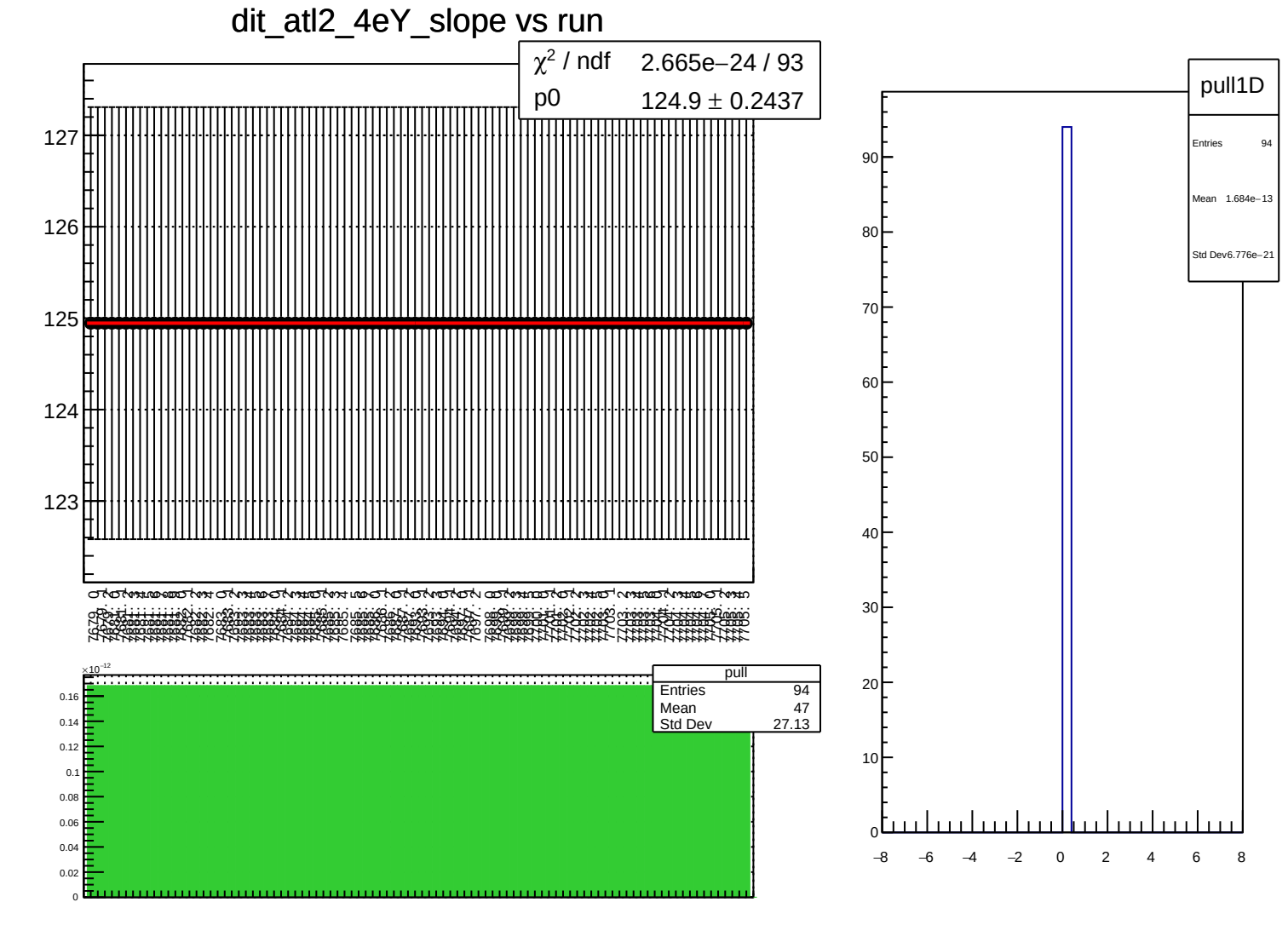

dit_atl2_4aX_slope vs run
χ² / ndf 2.569e−26 / 93
p0 −619.6 ± 0.7093
−612
−614
−616
−618
−620
−622
−624
−626
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull1D
Entries 94
Mean 1.653e−14
Std Dev3.668e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

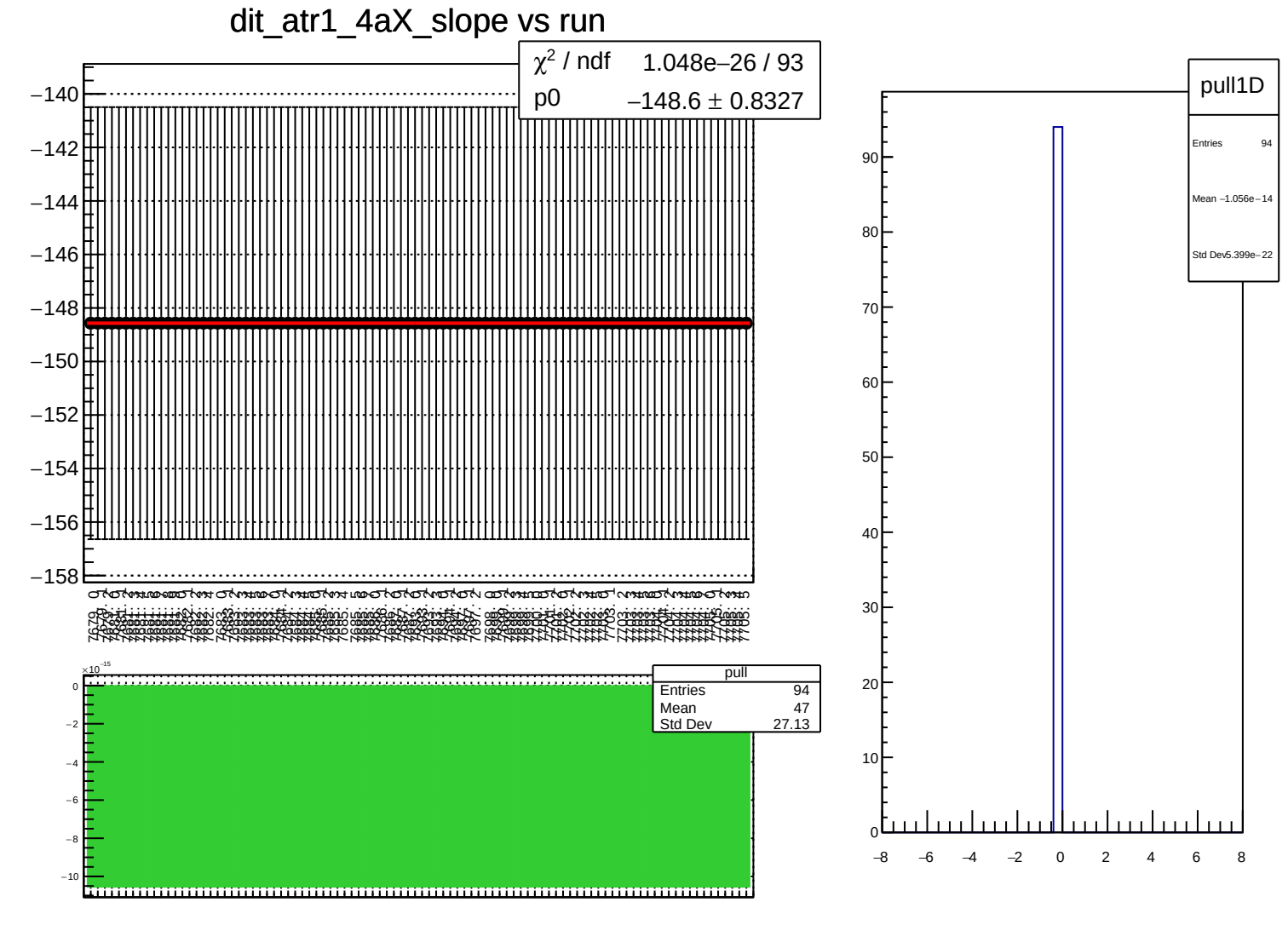

dit_atl2_4eX_slope vs run
χ² / ndf 1.132e−24 / 93
p0 514.1 ± 0.6412
520
518
516
514
512
510
508
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 94
Mean 47
Std Dev 27.13

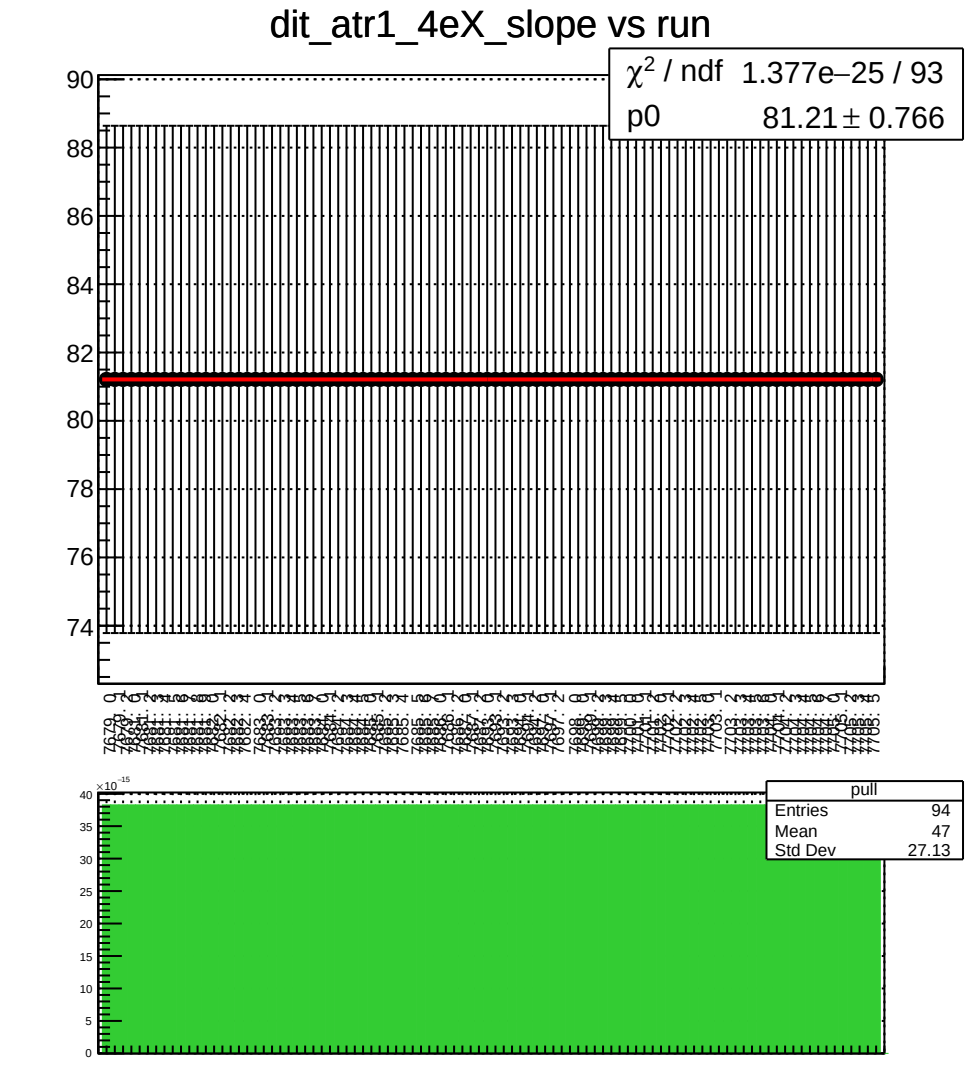

pull1D
Entries 94
Mean 1.097e−13
Std Dev5.989e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

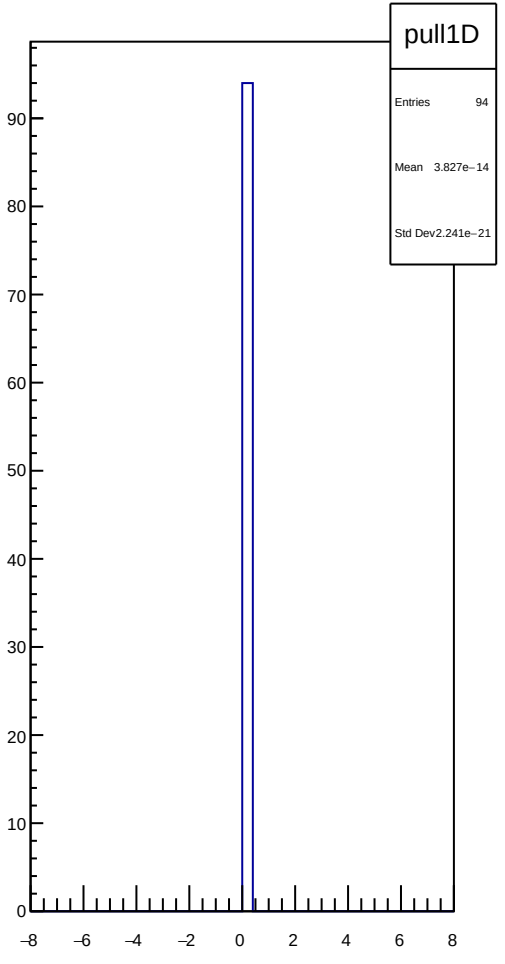

dit_atl2_11X12X_slope vs run
χ² / ndf 2.051e−24 / 93
p0 −269.6 ± 0.2382
−267
−268
−269
−270
−271
−272
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.477e−13
Std Dev5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

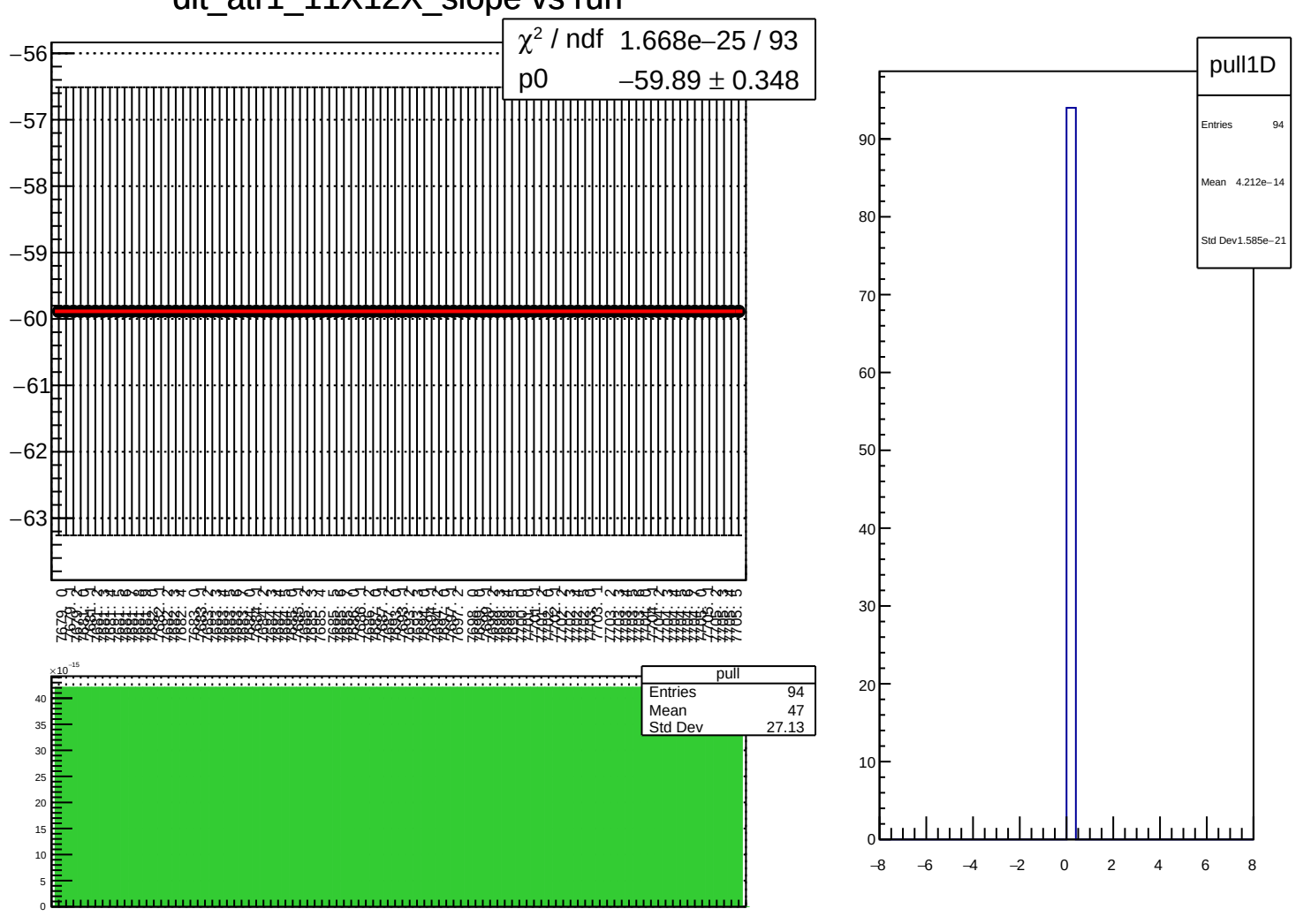

dit_atl2_4aY_slope vs run
χ² / ndf 1.007e−27 / 93
p0 15.85 ± 0.2239
18
17
16
15
14
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 94
Mean −3.273e−15
Std Dev1.588e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

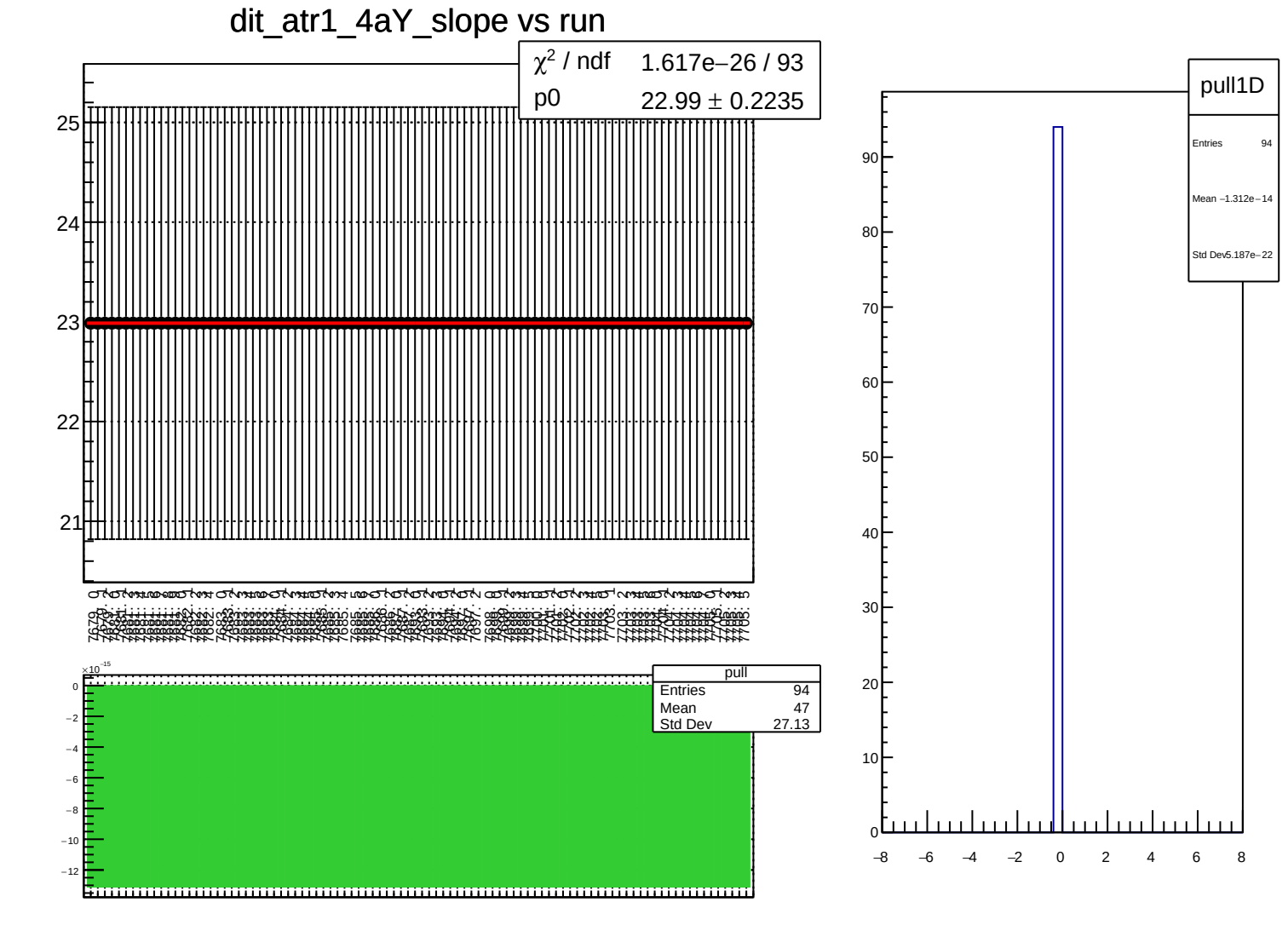

dit_atl2_4eY_slope vs run
χ² / ndf 2.665e−24 / 93
p0 124.9 ± 0.2437
127
126
125
124
123
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.684e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

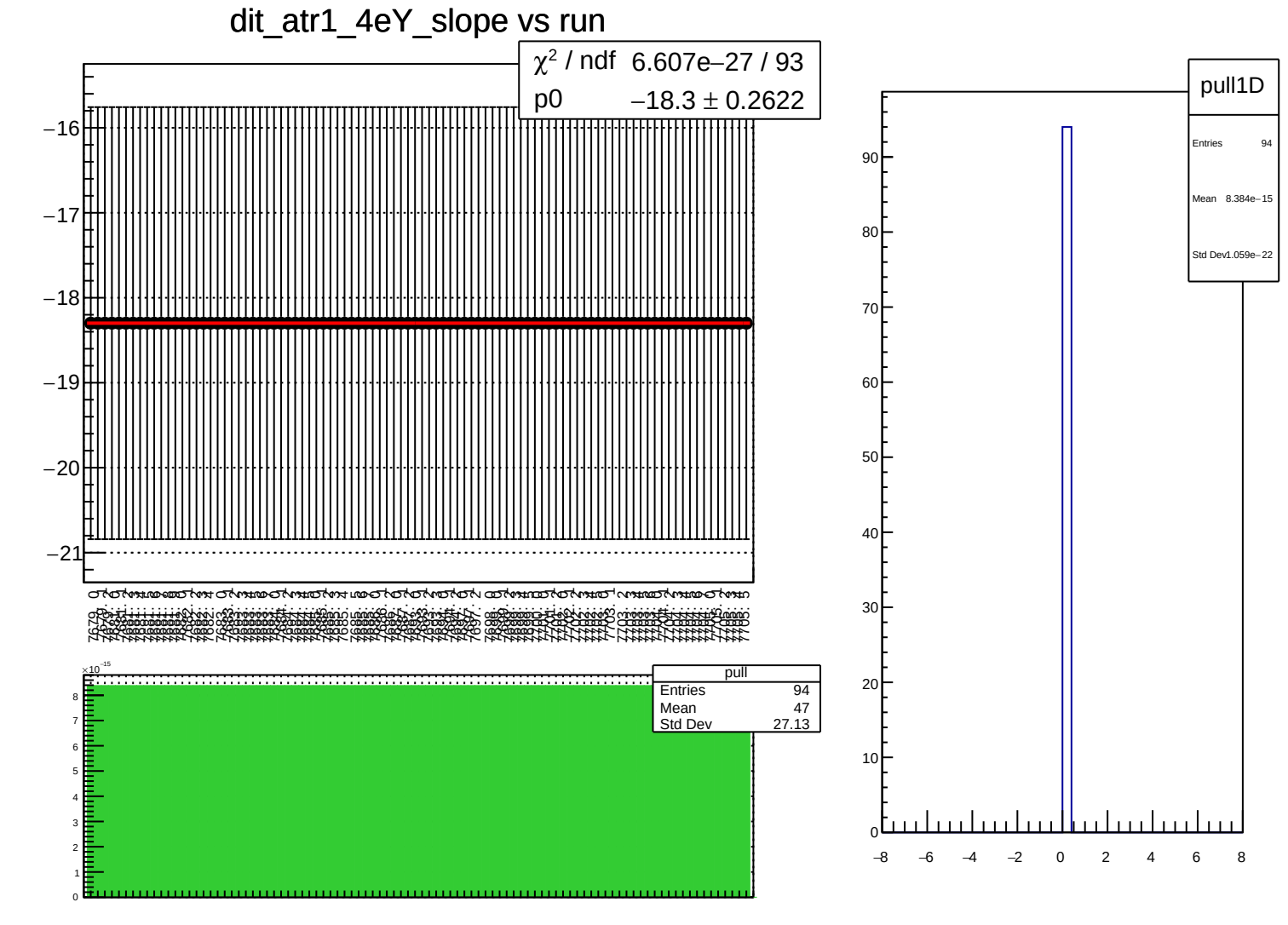

dit_atr1_4aX_slope vs run
χ² / ndf 1.048e−26 / 93
p0 −148.6 ± 0.8327
−140
−142
−144
−146
−148
−150
−152
−154
−156
−158
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 94
Mean −1.056e−14
Std Dev 5.399e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

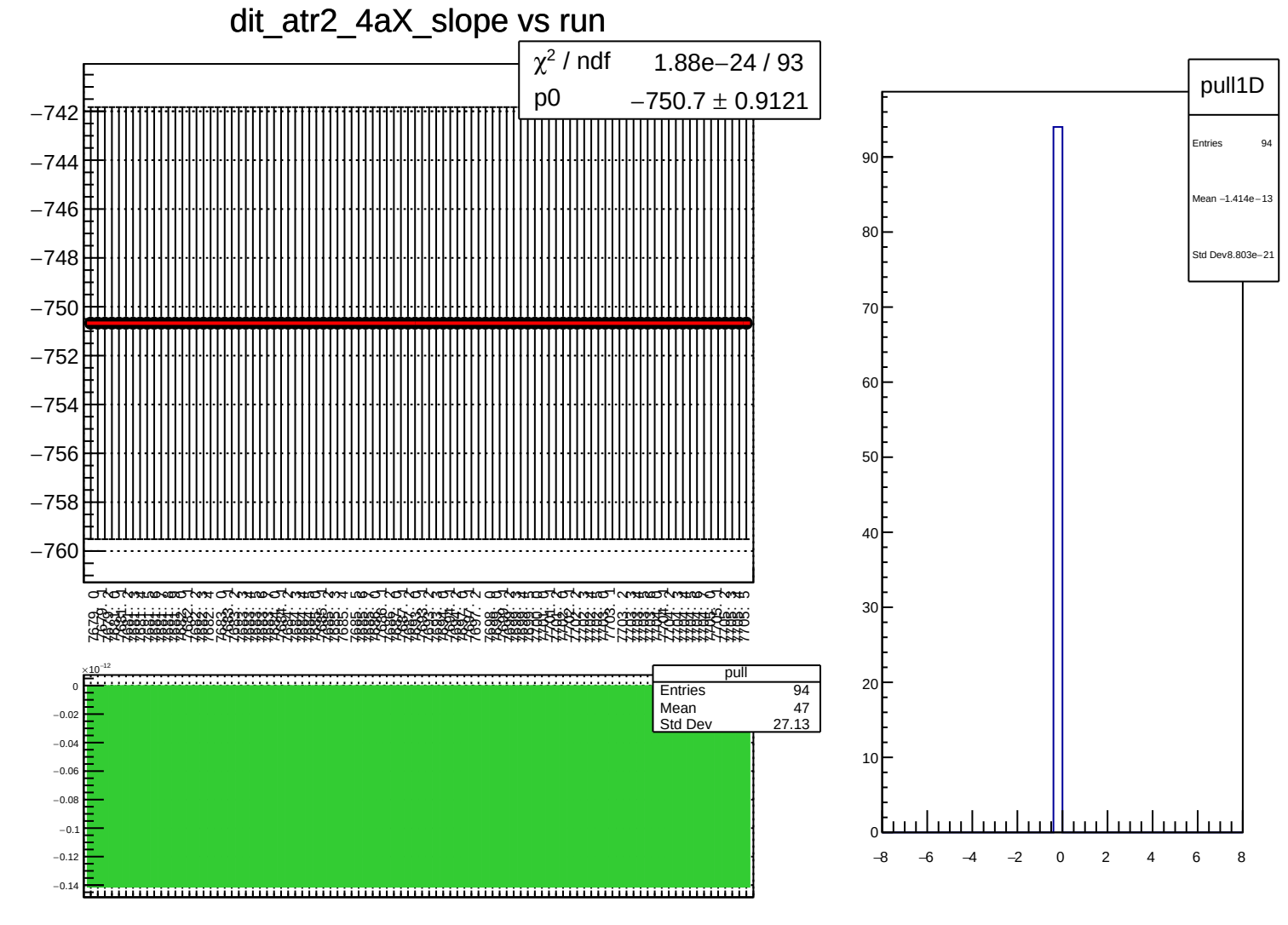

dit_atr1_4eX_slope vs run
χ² / ndf 1.377e−25 / 93
p0 81.21 ± 0.766
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵

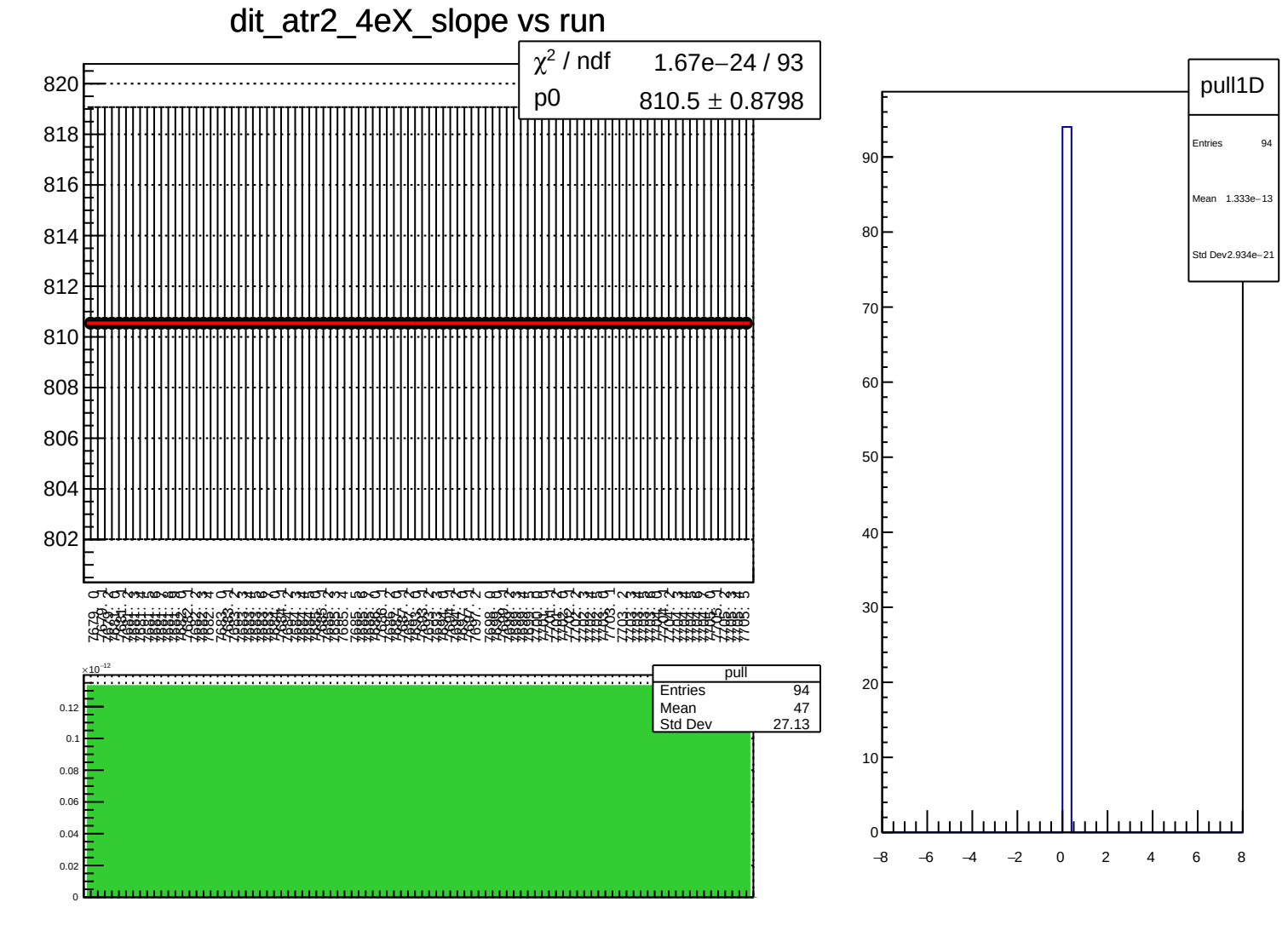

pull1D
Entries 94
Mean 3.827e−14
Std Dev2.241e−21

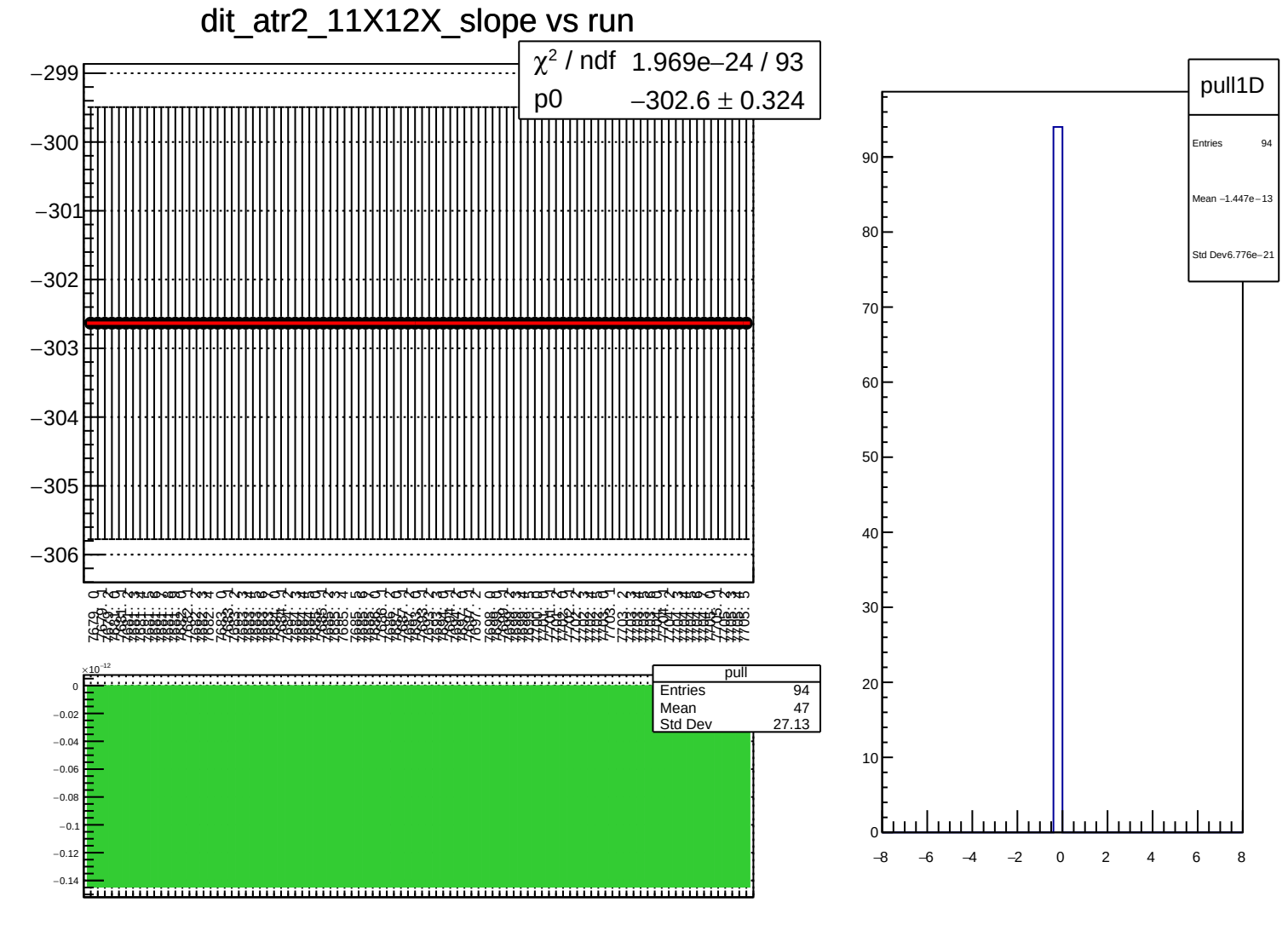

dit_atr1_11X12X_slope vs run
χ² / ndf 1.668e−25 / 93
p0 −59.89 ± 0.348
−56
−57
−58
−59
−60
−61
−62
−63
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 94
Mean 4.212e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

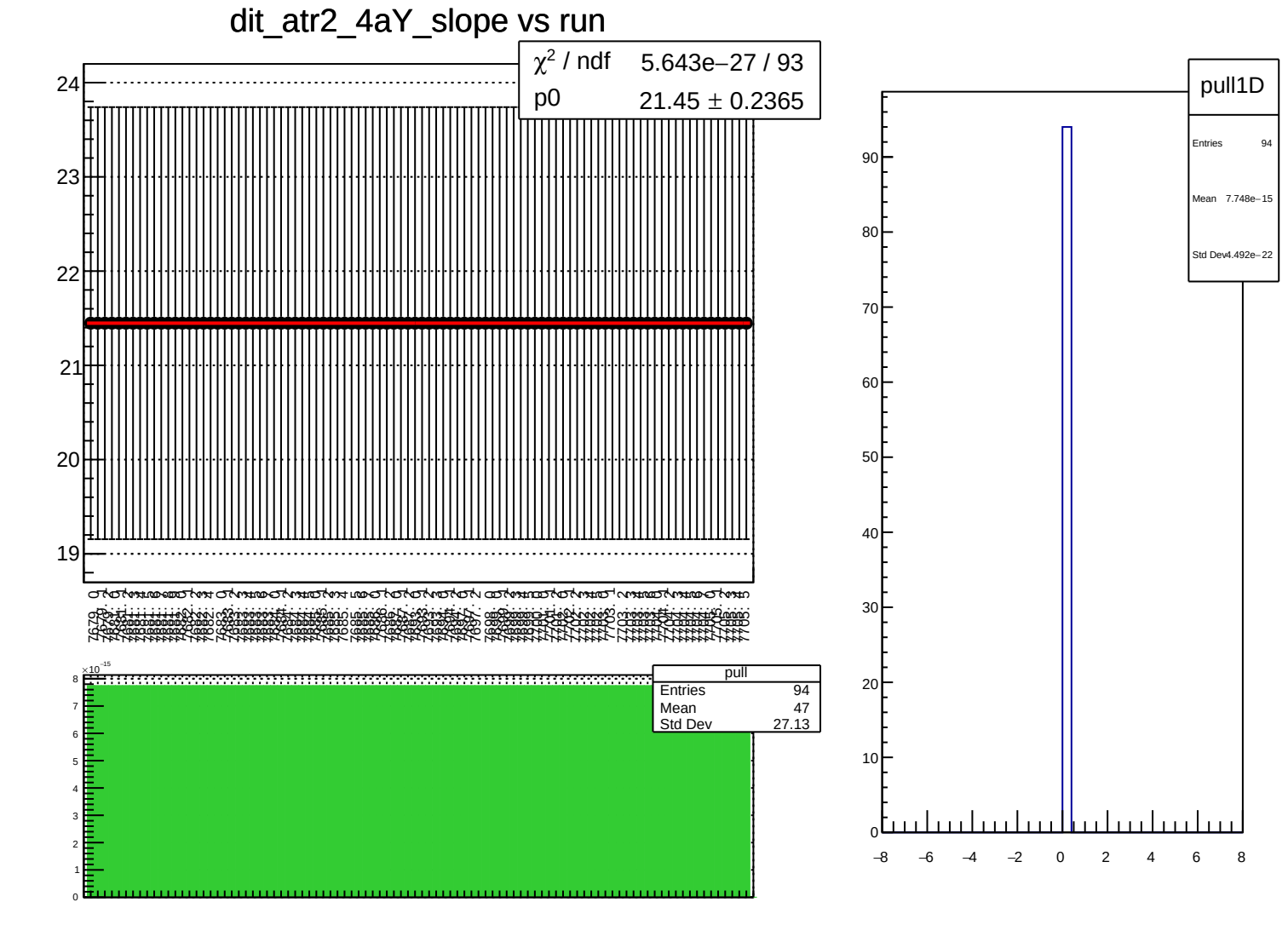

dit_atr1_4aY_slope vs run
χ² / ndf 1.617e−26 / 93
p0 22.99 ± 0.2235
25
24
23
22
21
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 94
Mean −1.312e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

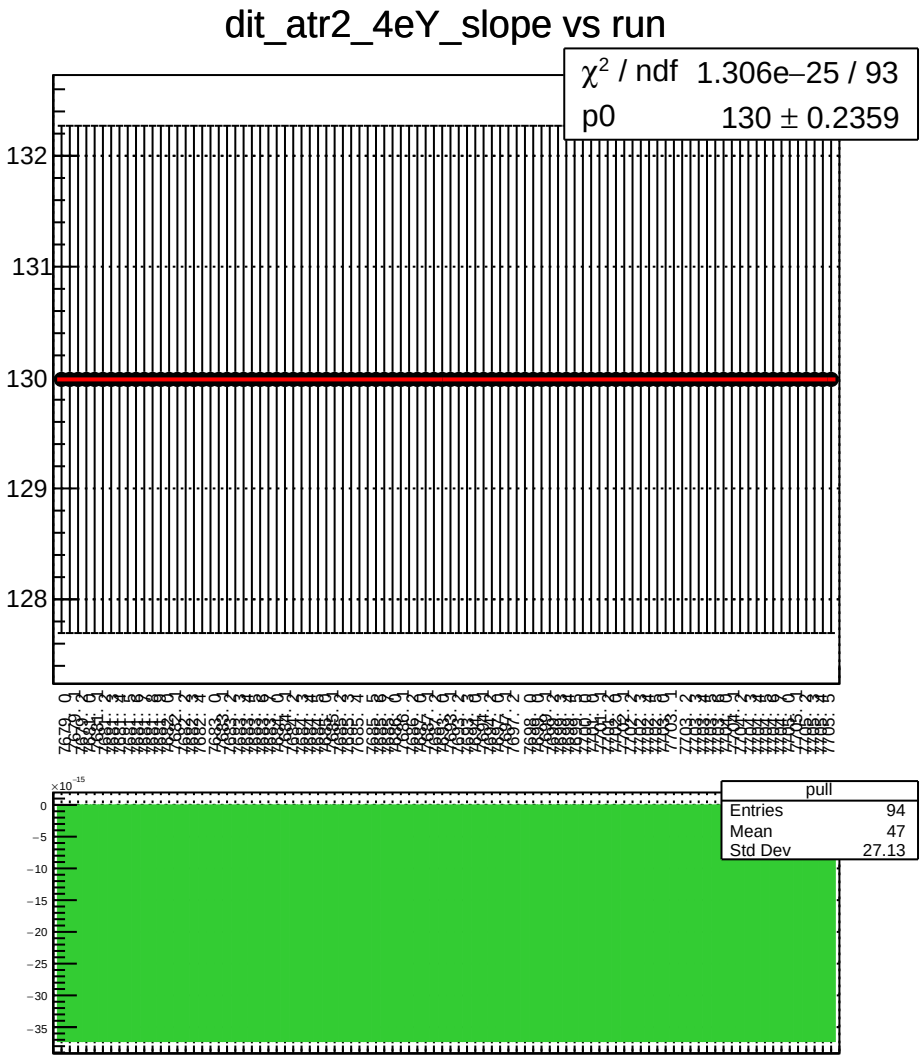

dit_atr1_4eY_slope vs run
χ² / ndf 6.607e−27 / 93
p0 −18.3 ± 0.2622
−16
−17
−18
−19
−20
−21
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
pull1D
Entries 94
Mean 8.384e−15
Std Dev1.059e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

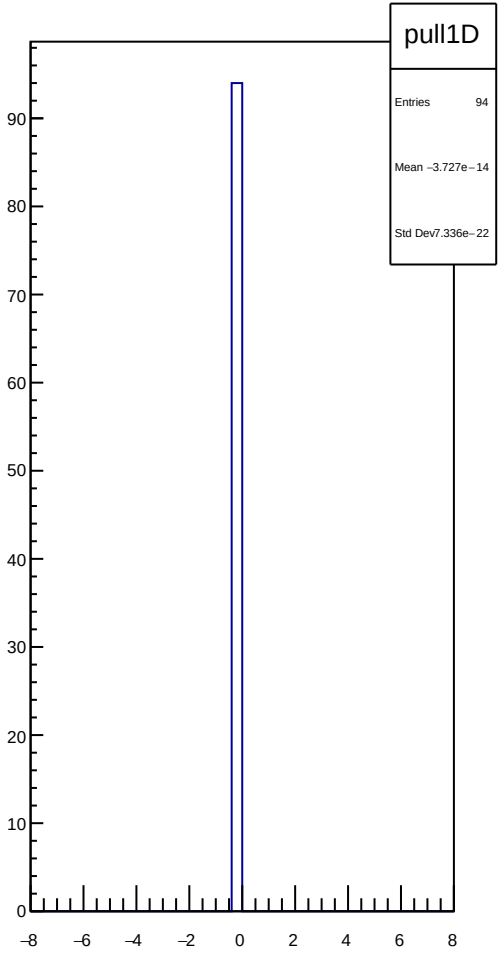

dit_atr2_4aX_slope vs run
χ² / ndf 1.88e−24 / 93
p0 −750.7 ± 0.9121
−742
−744
−746
−748
−750
−752
−754
−756
−758
−760
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 94
Mean −1.414e−13
Std Dev8.803e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

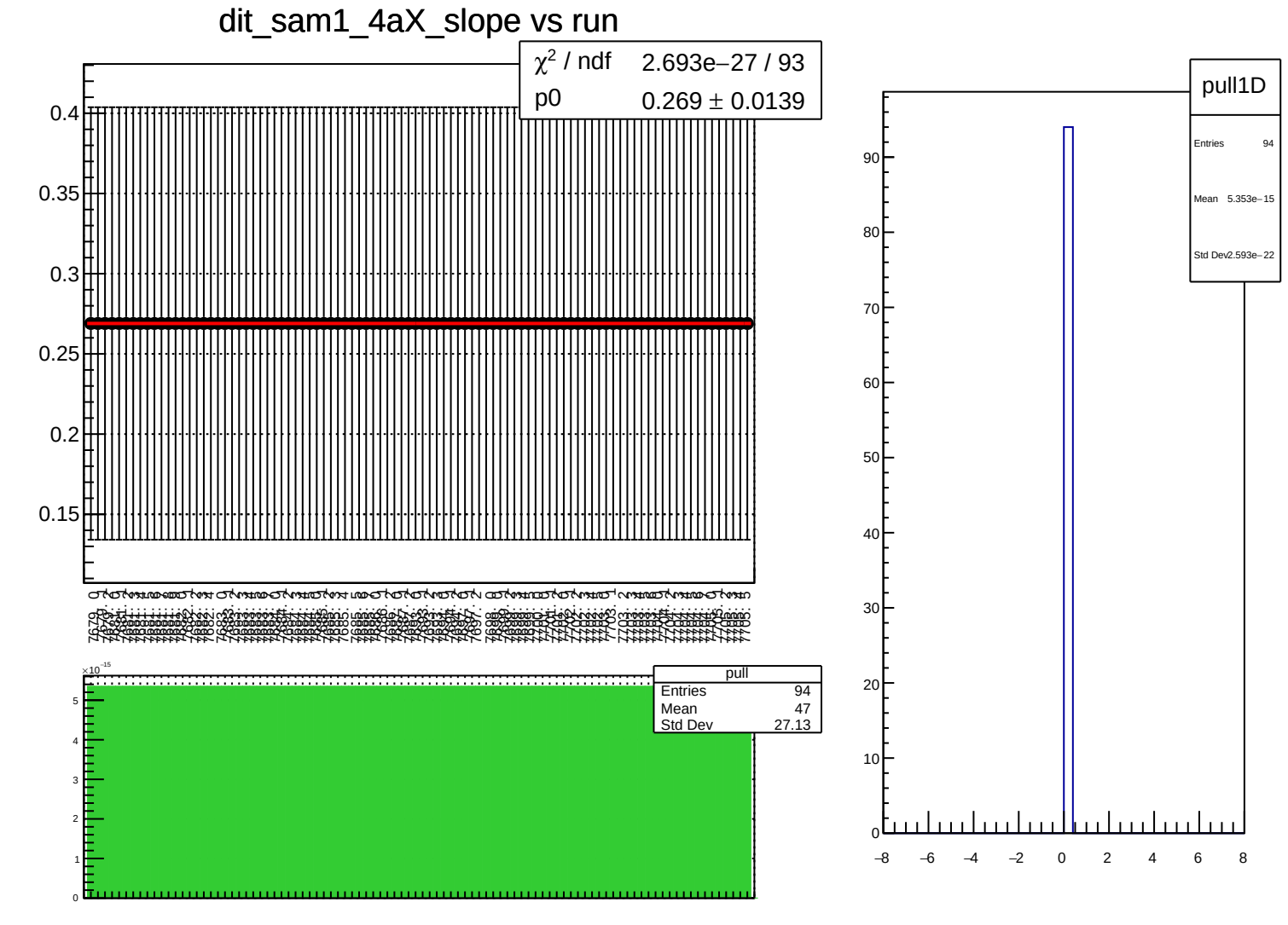

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.67e−24 / 93
p0 810.5 ± 0.8798
820
818
816
814
812
810
808
806
804
802
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.333e−13
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

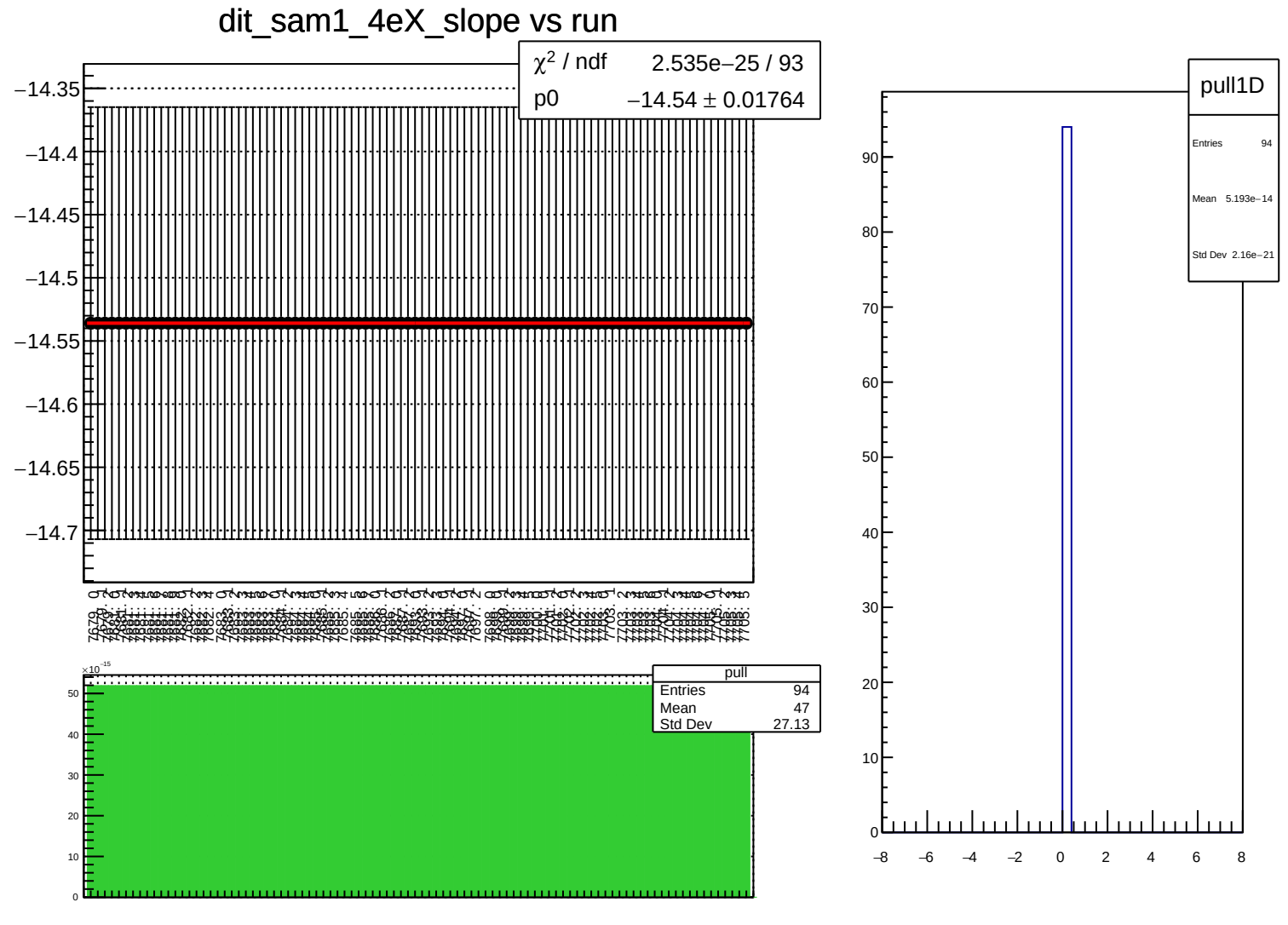

dit_atr2_11X12X_slope vs run
χ² / ndf 1.969e−24 / 93
p0 −302.6 ± 0.324
−299
−300
−301
−302
−303
−304
−305
−306
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 94
Mean −1.447e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

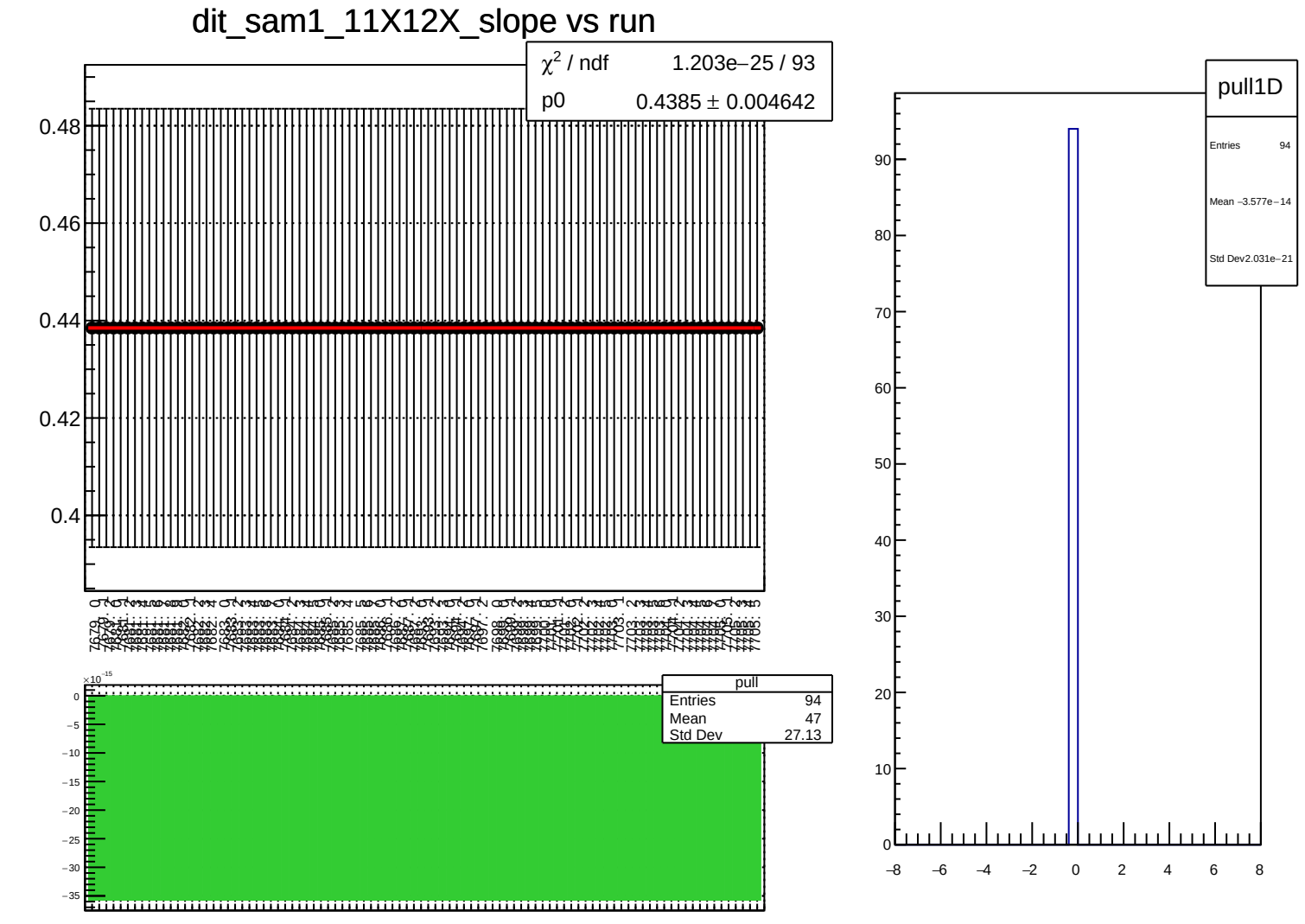

dit_atr2_4aY_slope vs run
χ² / ndf 5.643e−27 / 93
p0 21.45 ± 0.2365
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 7.748e−15
Std Dev4.492e−22

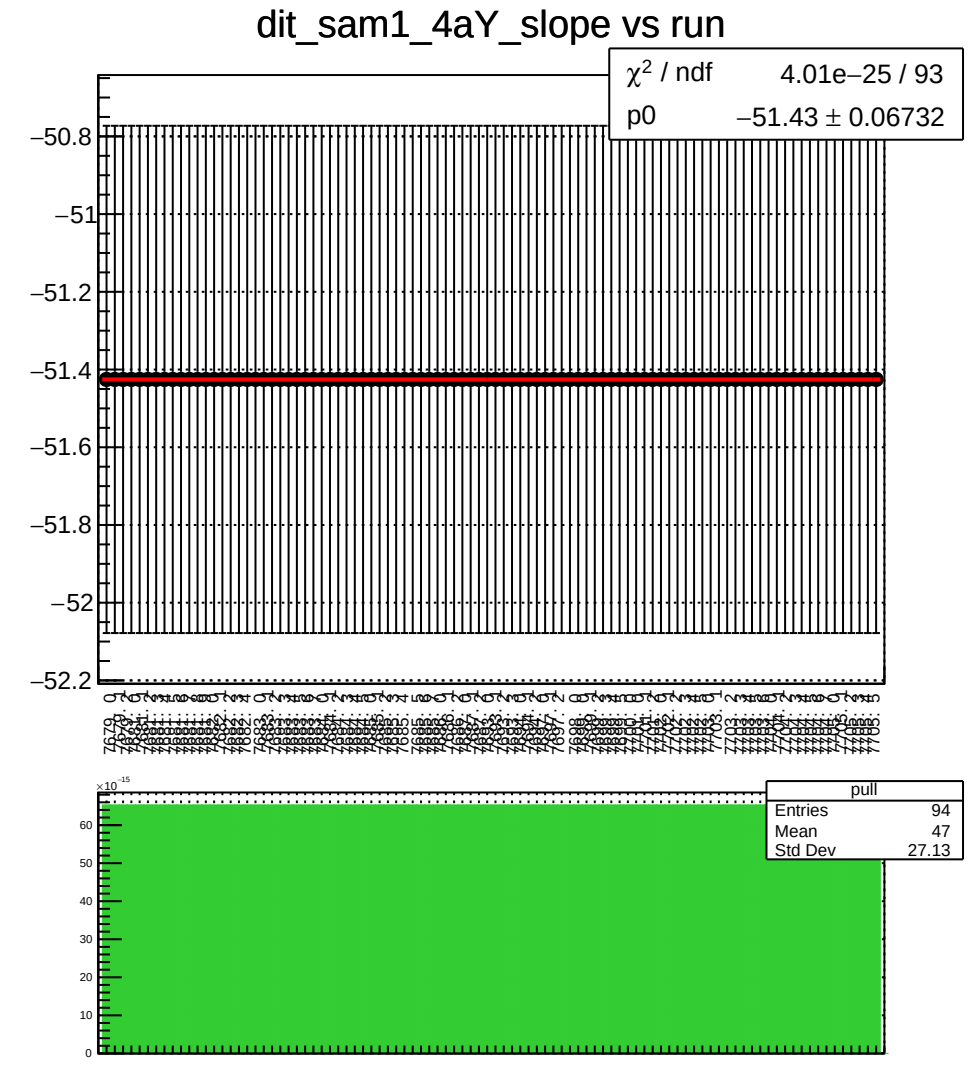

dit_atr2_4eY_slope vs run
χ² / ndf 1.306e−25 / 93
p0 130 ± 0.2359
132
131
130
129
128
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

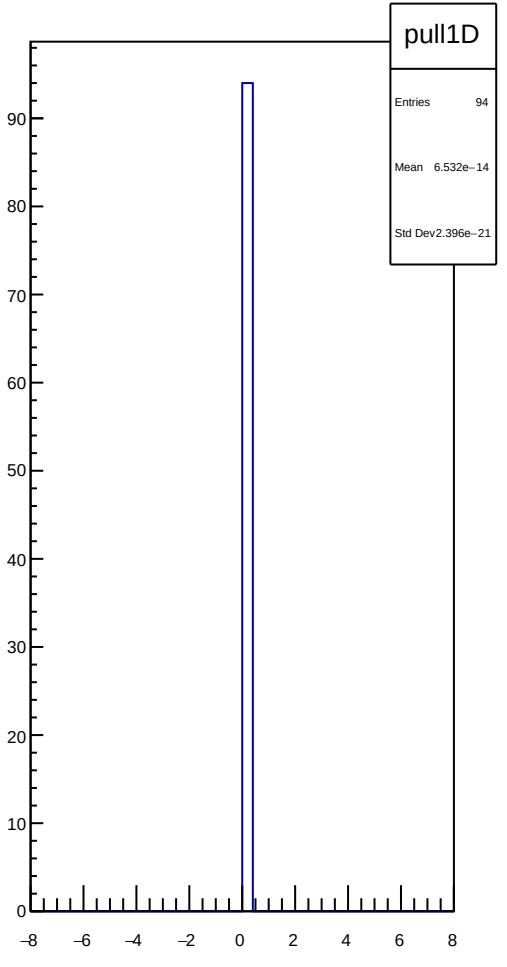

pull1D
Entries 94
Mean −3.727e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

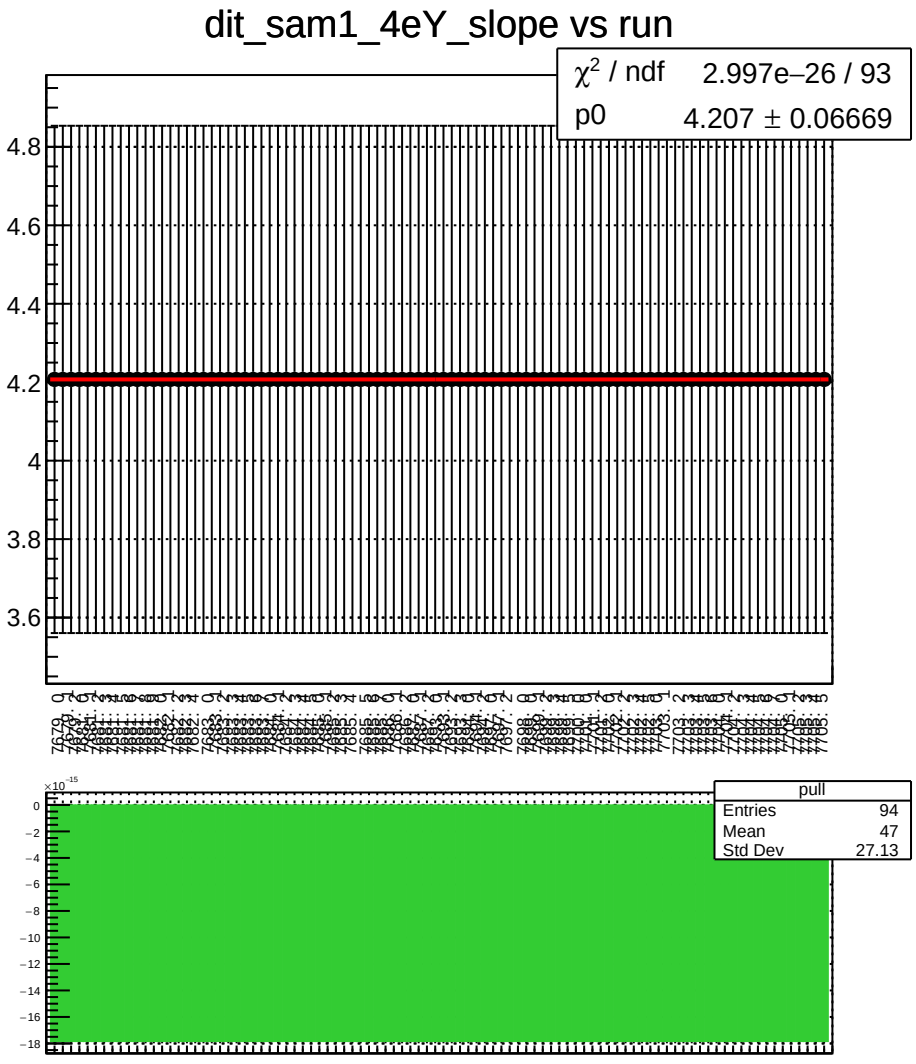

dit_sam1_4aX_slope vs run
χ² / ndf 2.693e−27 / 93
p0 0.269 ± 0.0139
0.4
0.35
0.3
0.25
0.2
0.15
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
5
4
3
2
1
0
pull1D
Entries 94
Mean 5.353e−15
Std Dev 2.593e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

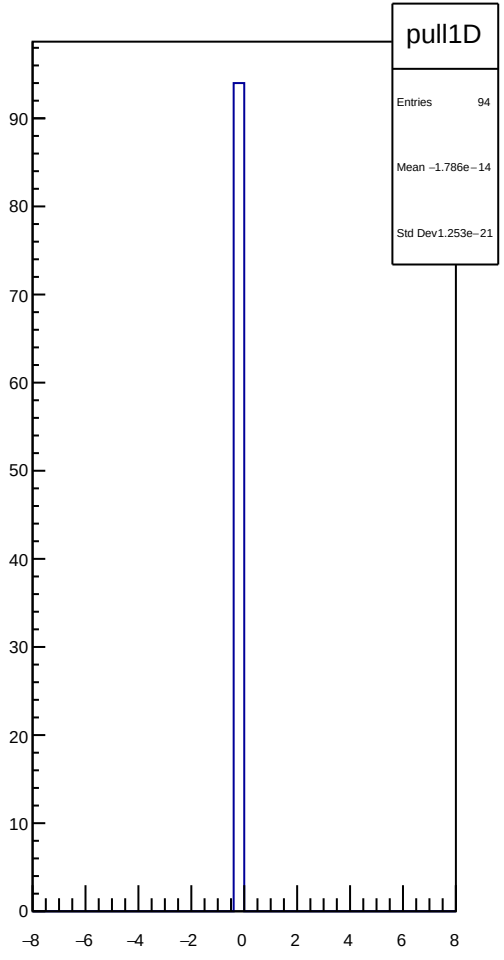

dit_sam1_4eX_slope vs run
χ² / ndf 2.535e−25 / 93
p0 −14.54 ± 0.01764
−14.35
−14.4
−14.45
−14.5
−14.55
−14.6
−14.65
−14.7
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 94
Mean 5.193e−14
Std Dev 2.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

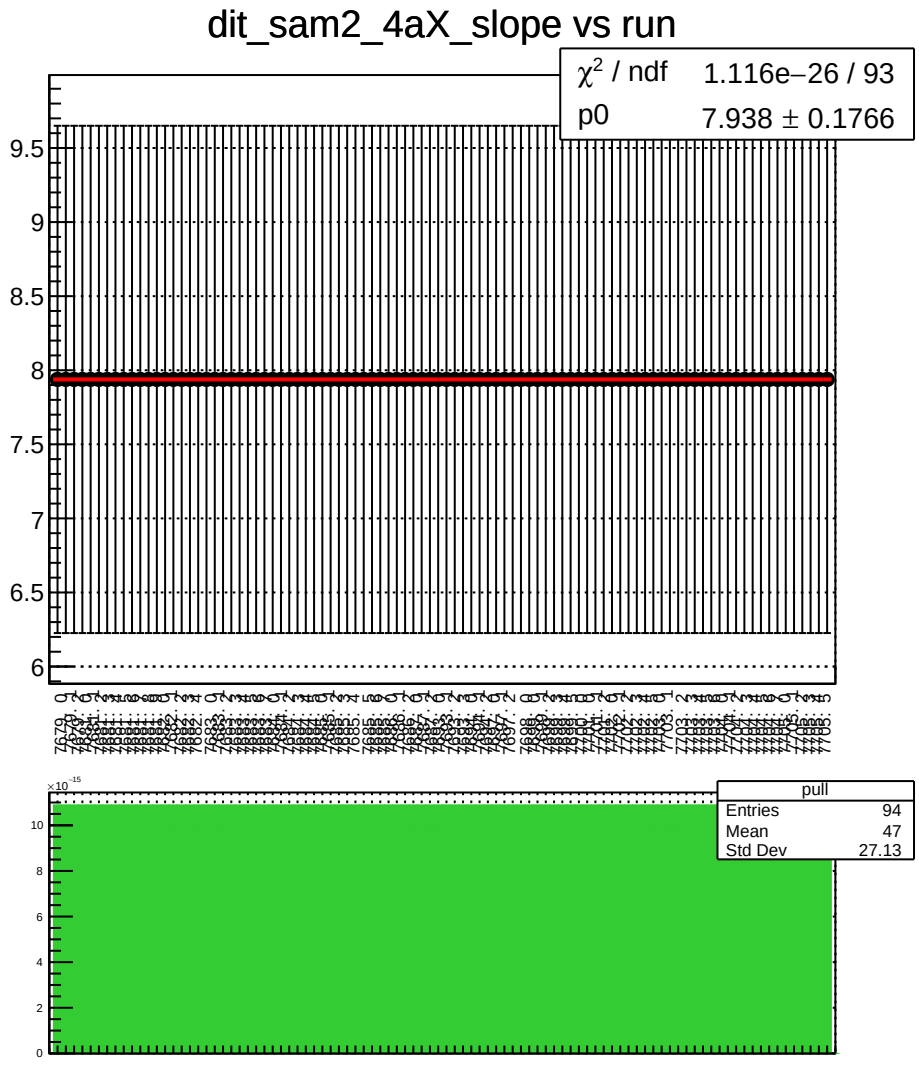

dit_sam1_11X12X_slope vs run
χ² / ndf 1.203e−25 / 93
p0 0.4385 ± 0.004642
0.48
0.46
0.44
0.42
0.4
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 94
Mean −3.577e−14
Std Dev2.031e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

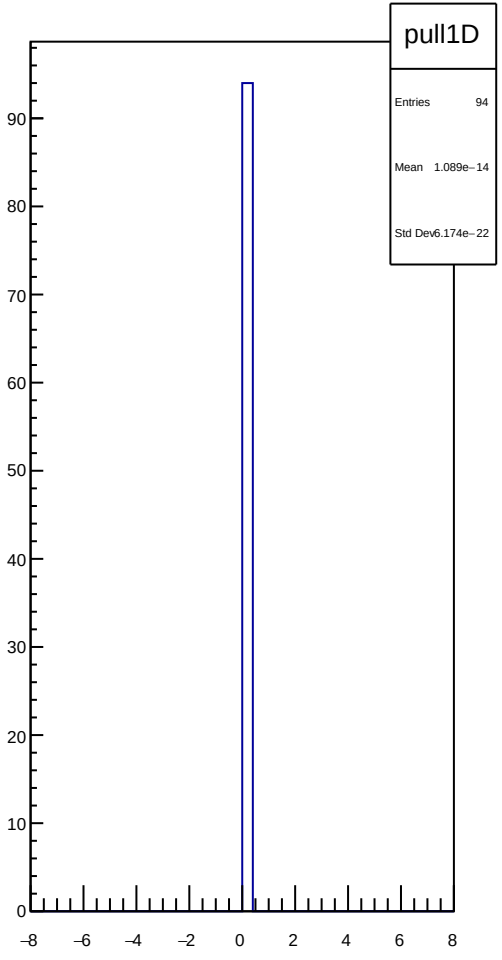

dit_sam1_4aY_slope vs run
χ² / ndf 4.01e−25 / 93
p0 −51.43 ± 0.06732
−50.8
−51
−51.2
−51.4
−51.6
−51.8
−52
−52.2
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
60
50
40
30
20
10
0

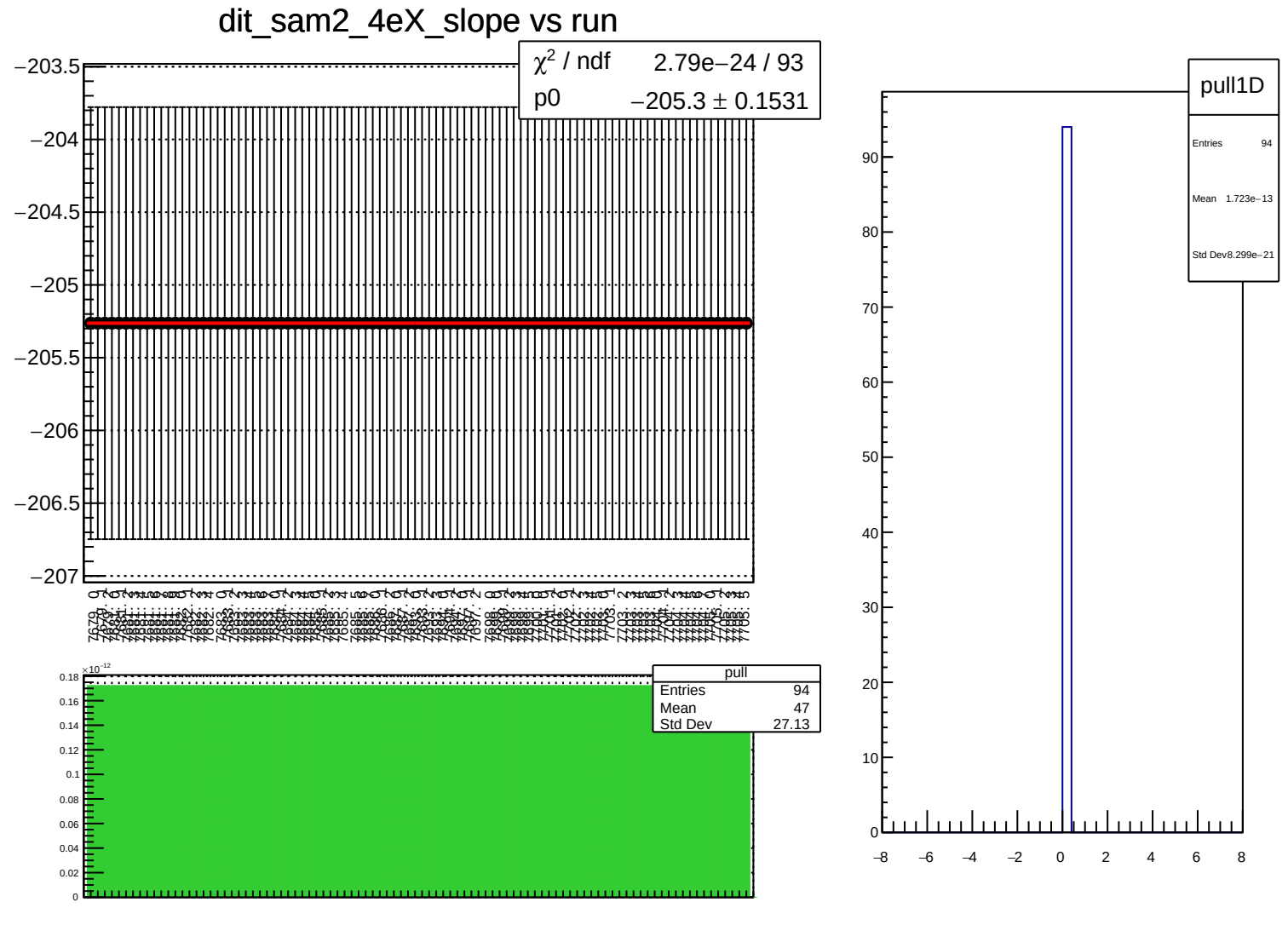

pull1D
Entries 94
Mean 6.532e−14
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

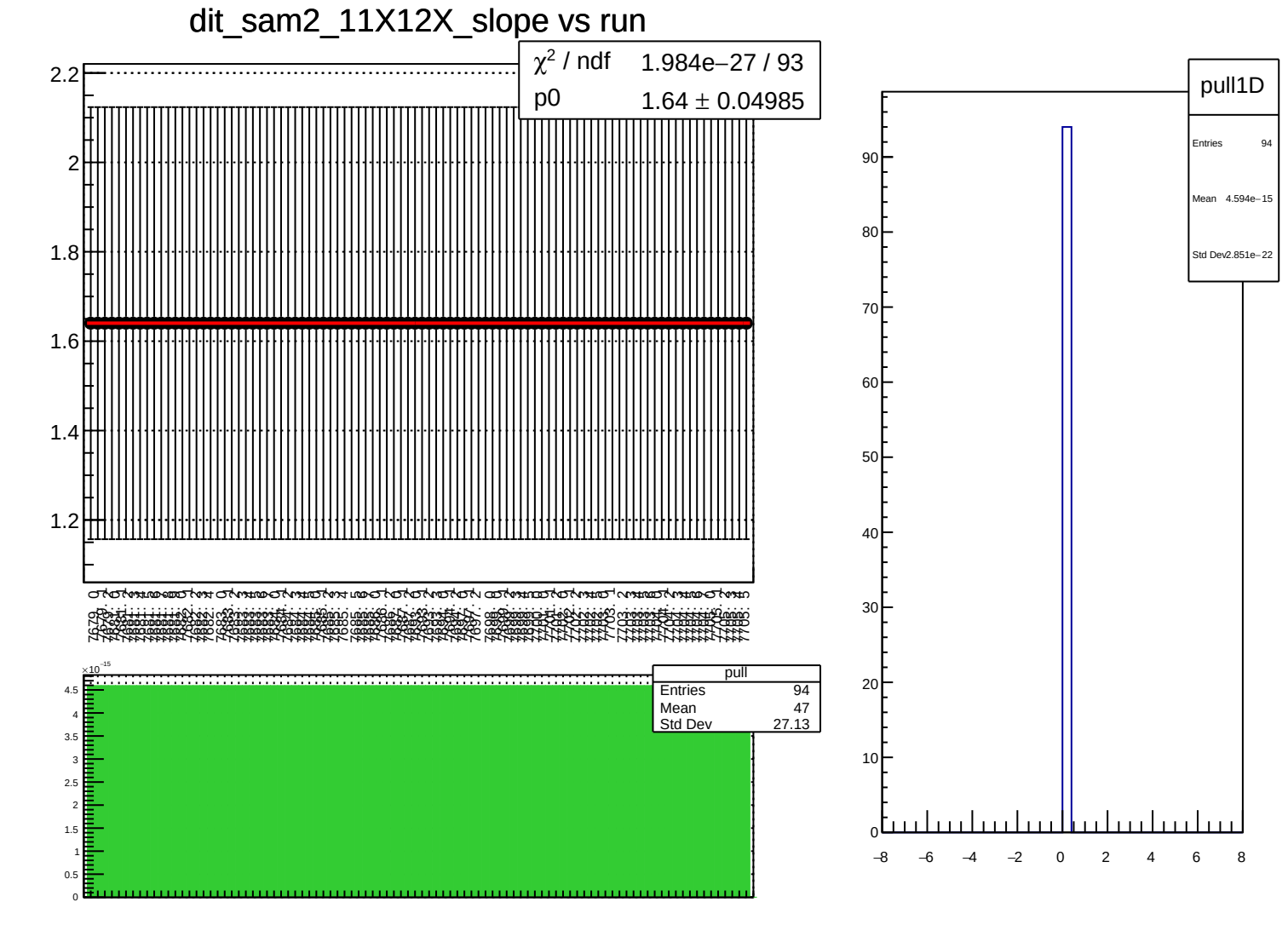

dit_sam1_4eY_slope vs run
χ² / ndf 2.997e−26 / 93
p0 4.207 ± 0.06669
4.8
4.6
4.4
4.2
4
3.8
3.6
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

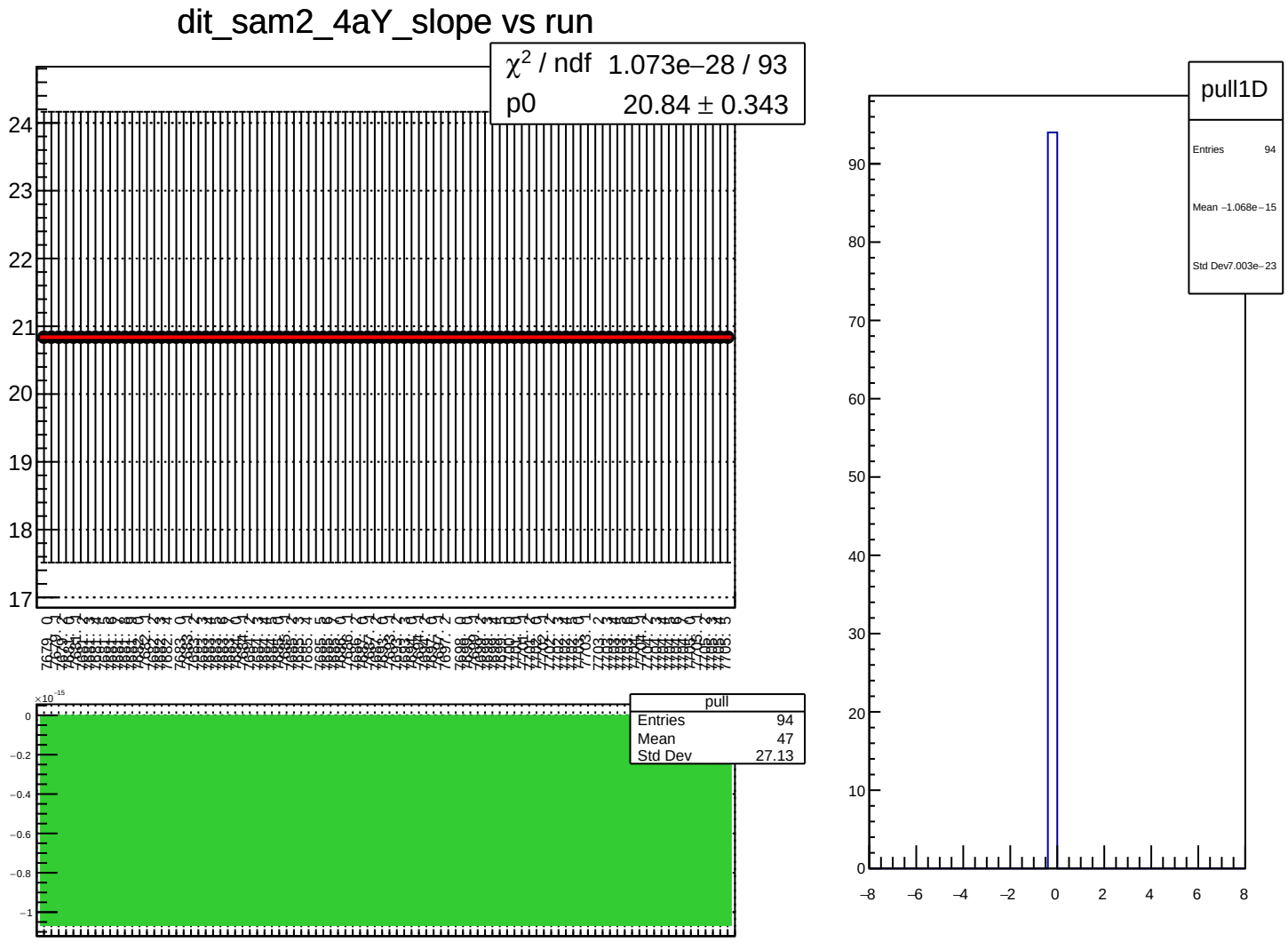

pull1D
Entries 94
Mean −1.786e−14
Std Dev1.253e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

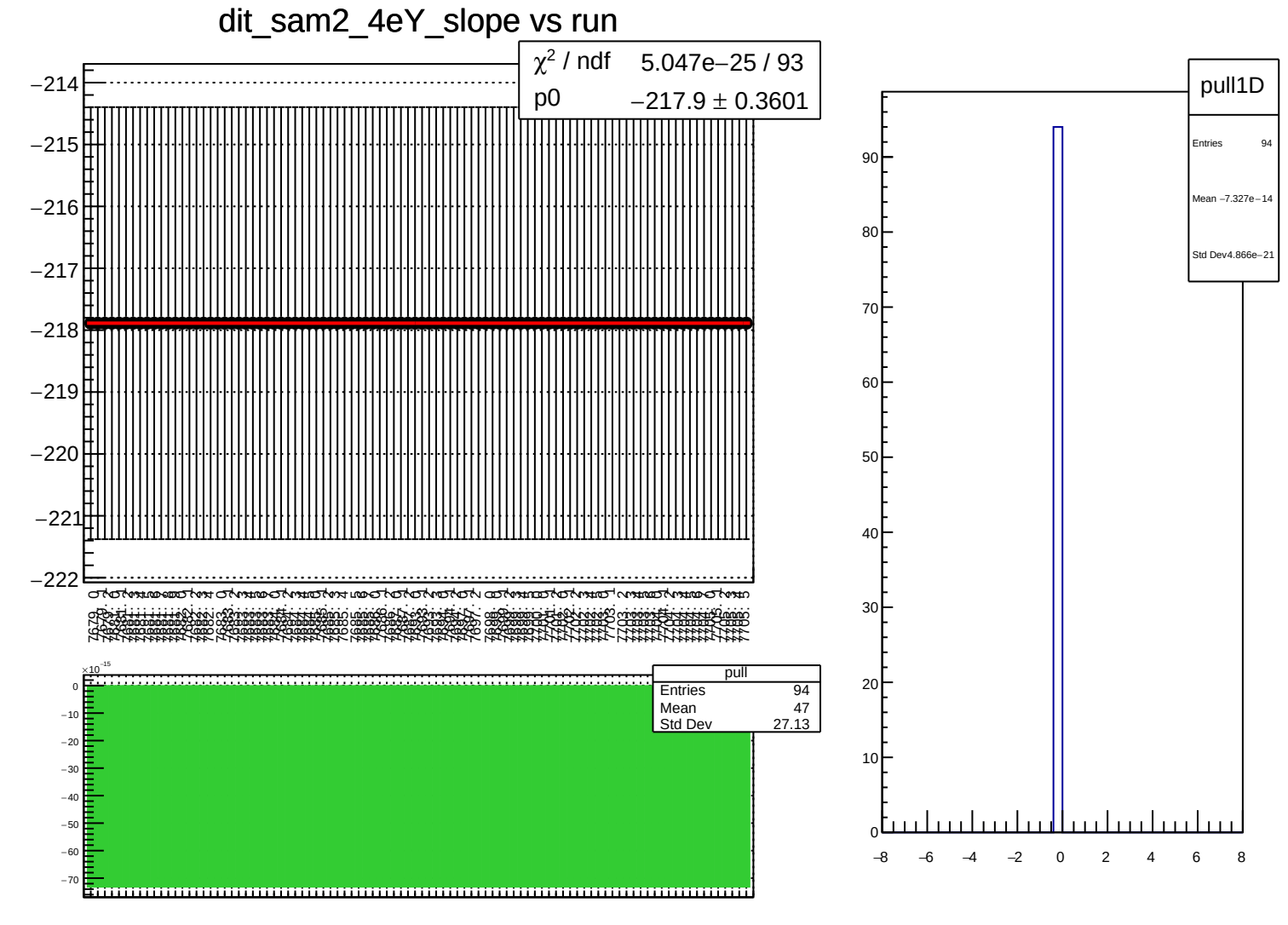

dit_sam2_4aX_slope vs run
χ² / ndf 1.116e−26 / 93
p0 7.938 ± 0.1766
pull
Entries 94
Mean 47
Std Dev 27.13

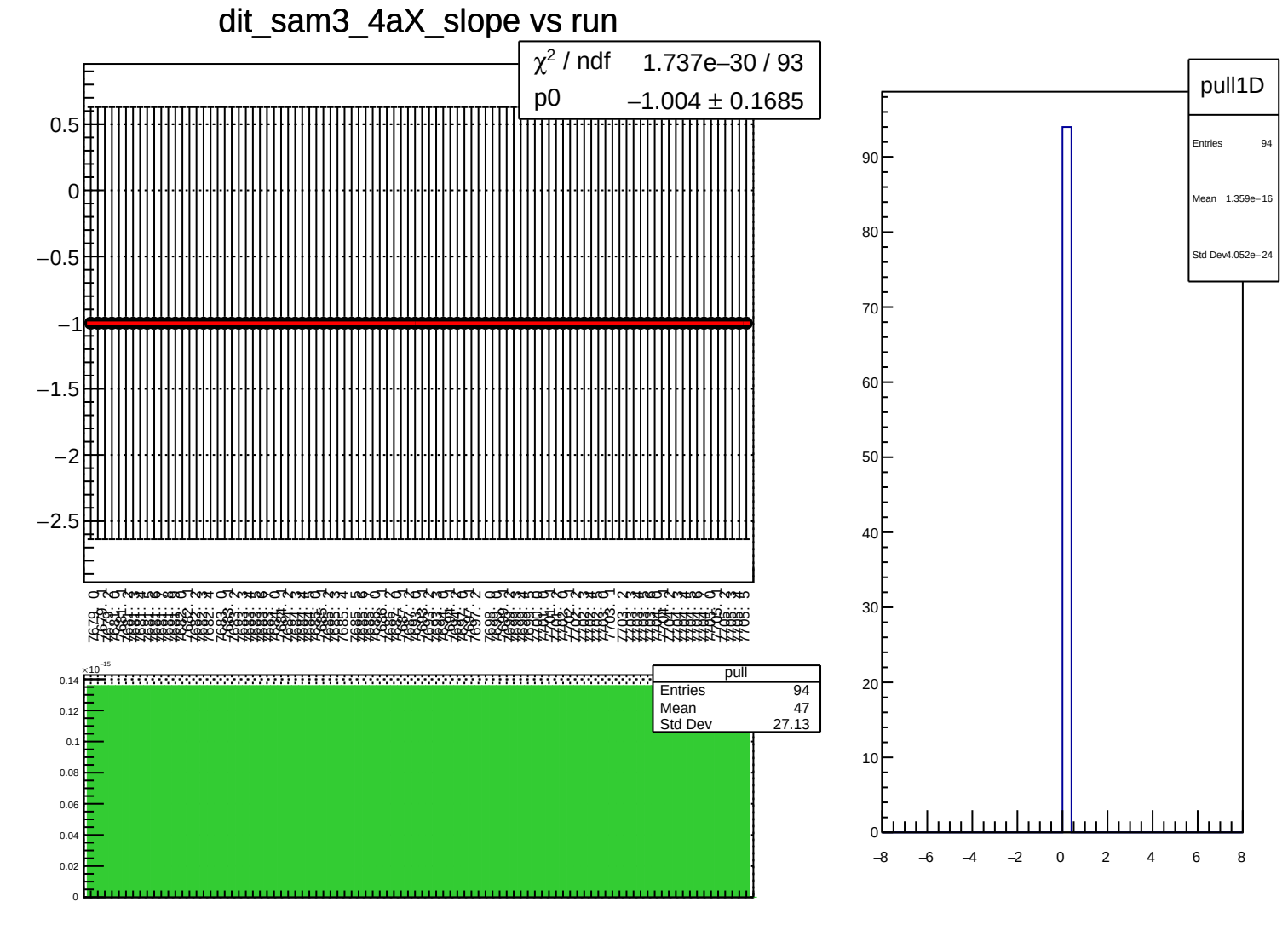

pull1D
Entries 94
Mean 1.089e−14
Std Dev 6.174e−22

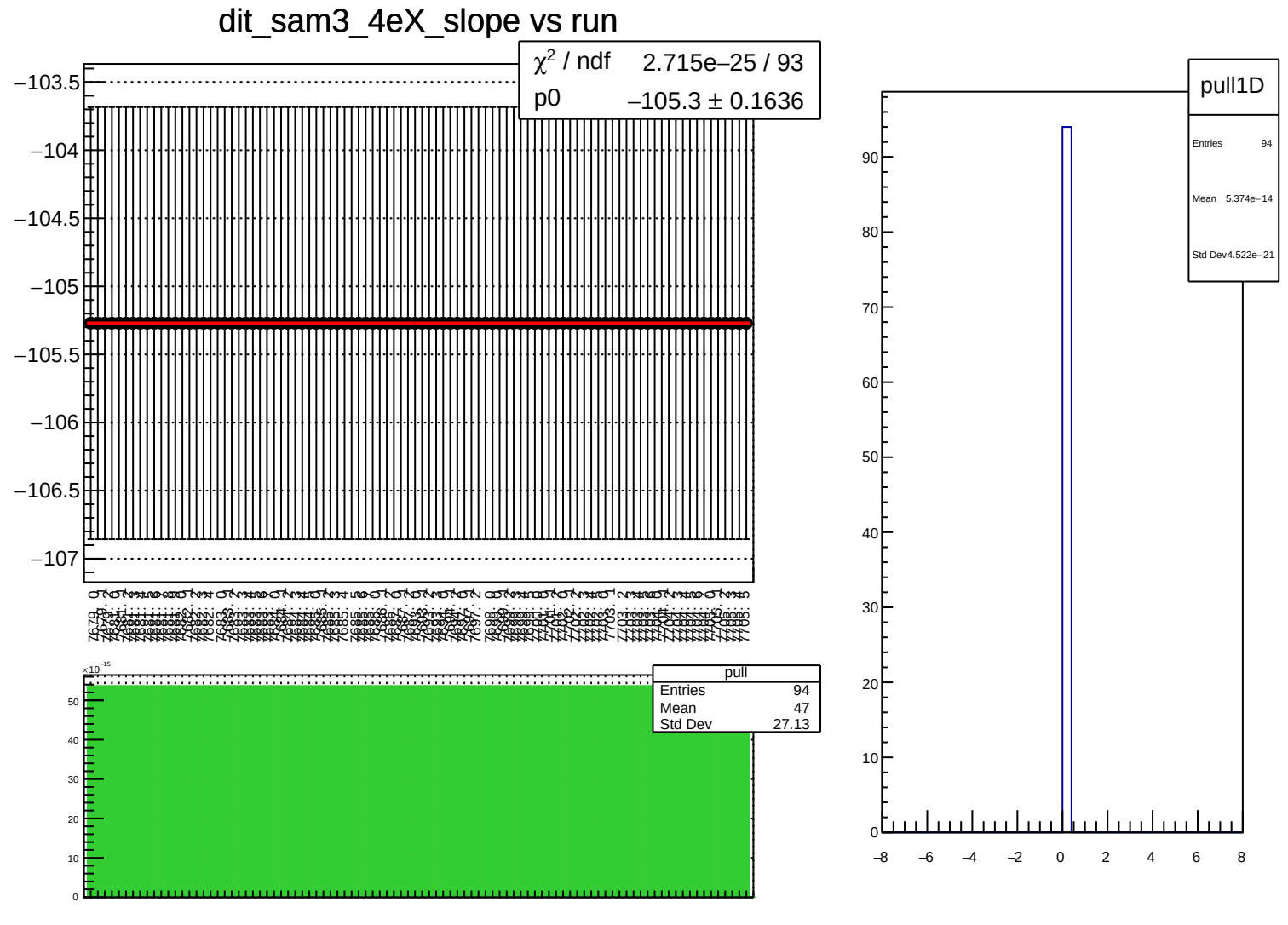

dit_sam2_4eX_slope vs run
χ² / ndf 2.79e−24 / 93
p0 −205.3 ± 0.1531
−203.5
−204
−204.5
−205
−205.5
−206
−206.5
−207
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.723e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

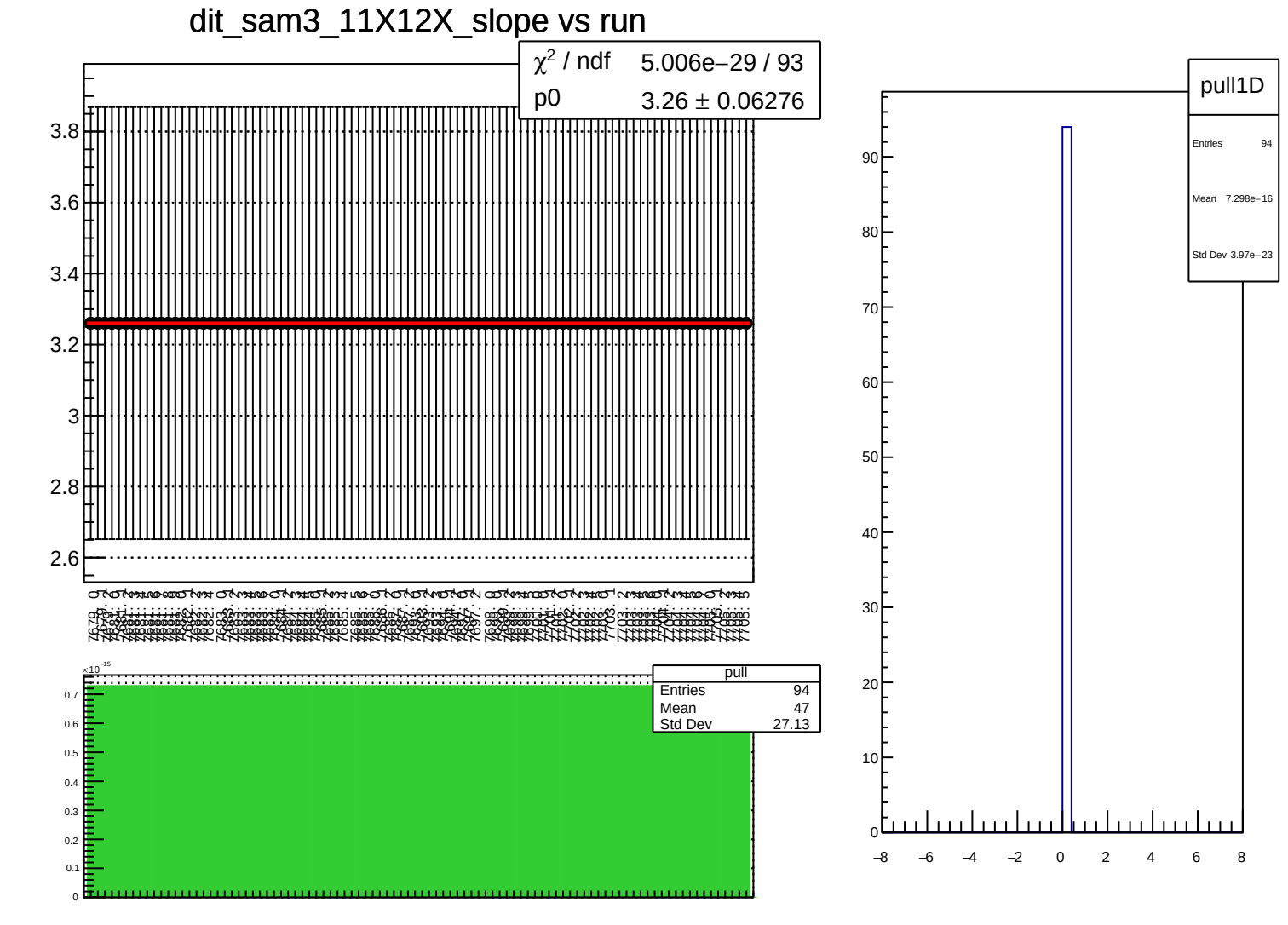

dit_sam2_11X12X_slope vs run
χ² / ndf 1.984e−27 / 93
p0 1.64 ± 0.04985
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 4.594e−15
Std Dev 2.851e−22

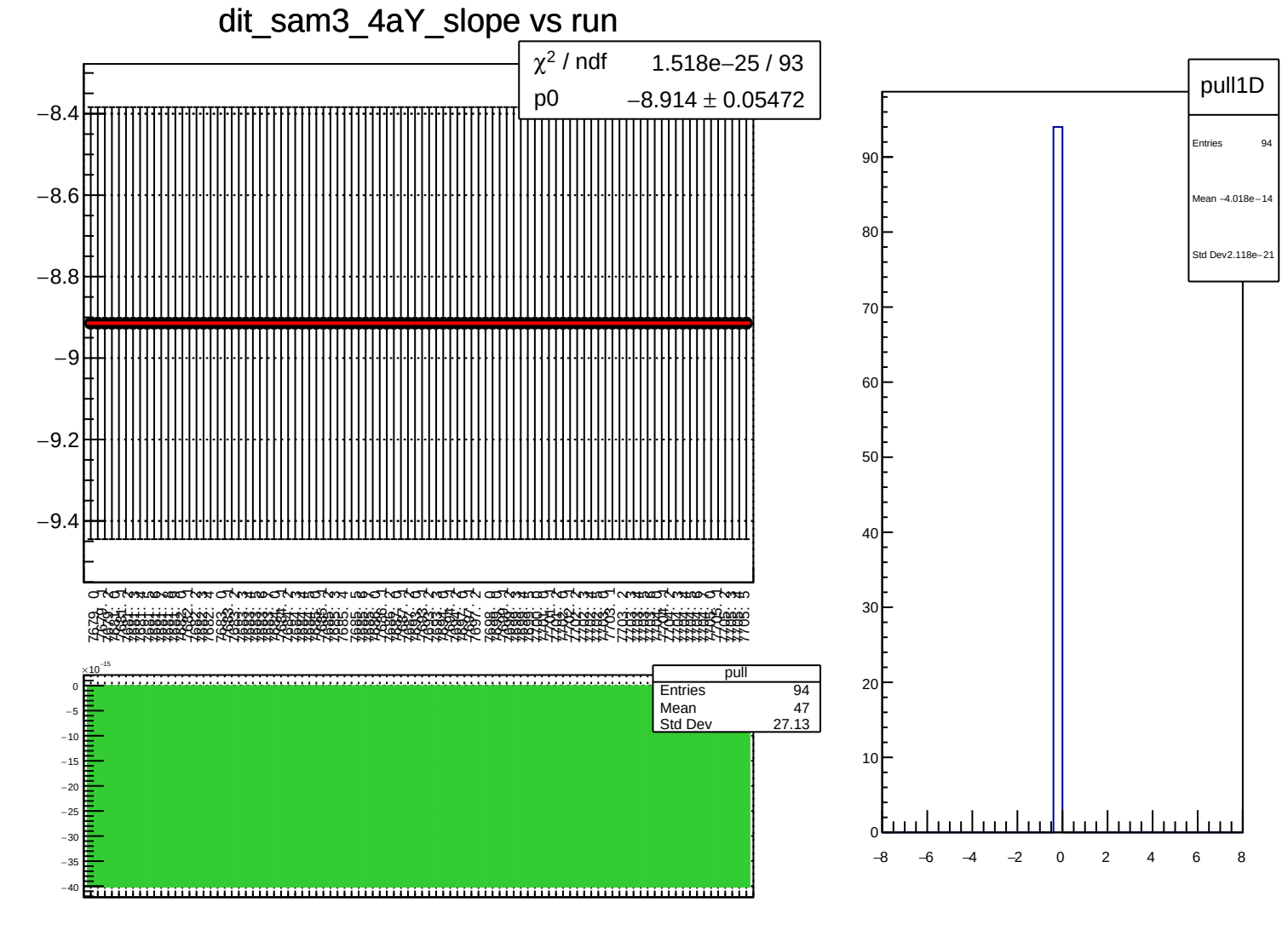

dit_sam2_4aY_slope vs run
χ² / ndf 1.073e−28 / 93
p0 20.84 ± 0.343
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean −1.068e−15
Std Dev7.003e−23

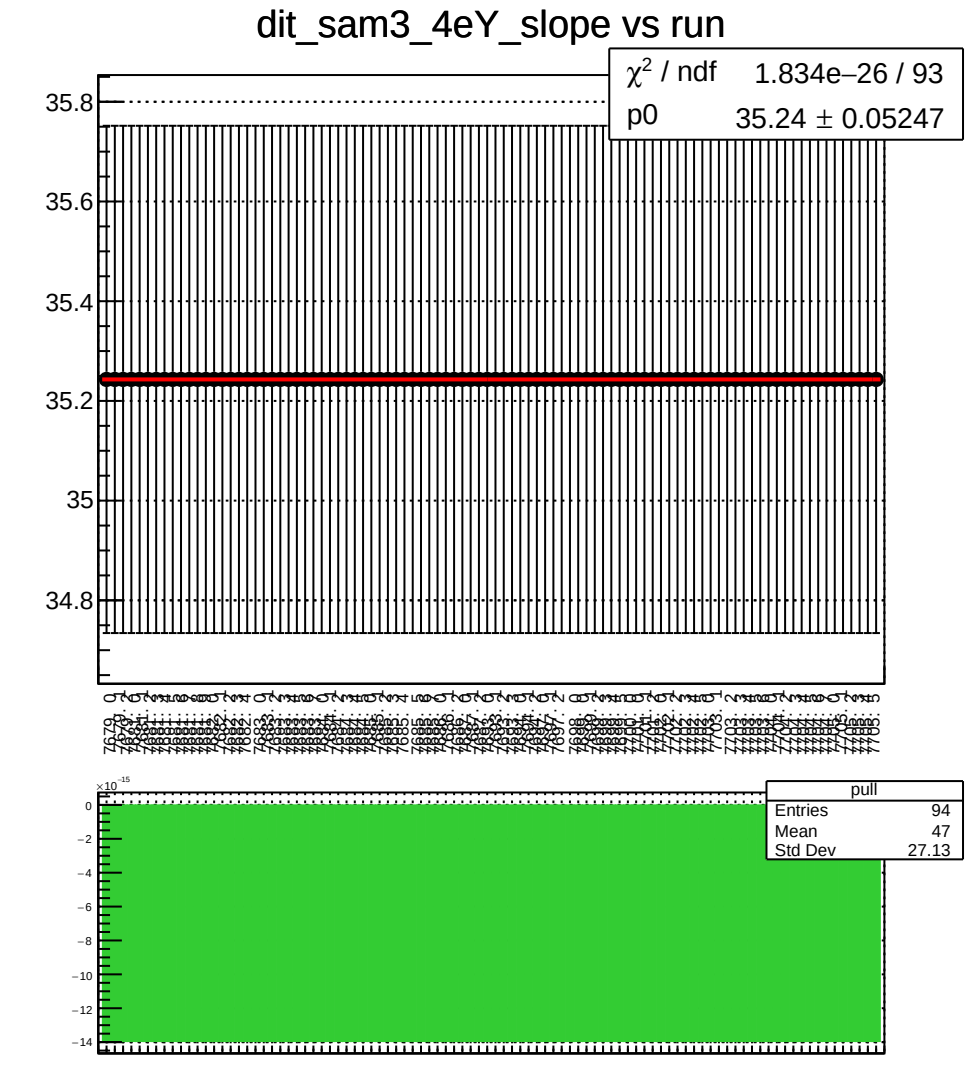

dit_sam2_4eY_slope vs run
χ² / ndf 5.047e−25 / 93
p0 −217.9 ± 0.3601
−214
−215
−216
−217
−218
−219
−220
−221
−222
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 94
Mean −7.327e−14
Std Dev4.866e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

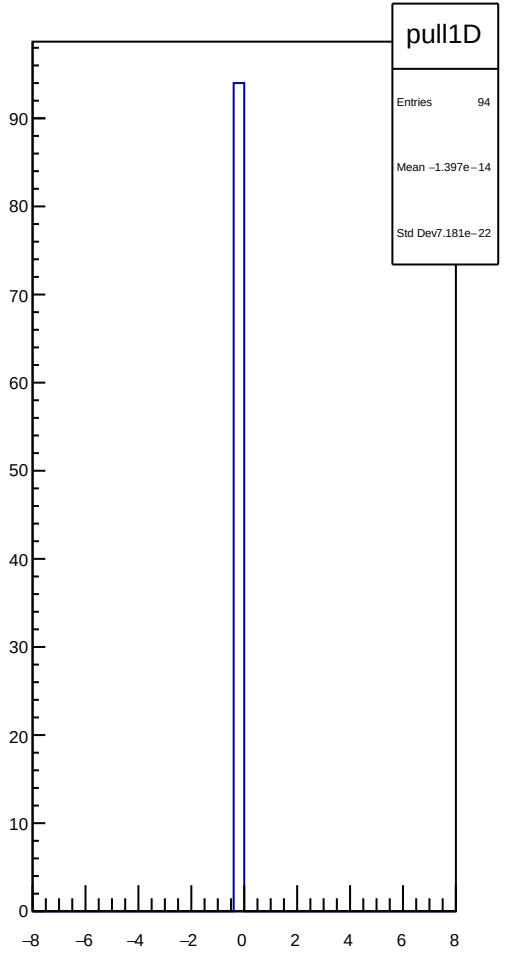

dit_sam3_4aX_slope vs run
χ² / ndf 1.737e−30 / 93
p0 −1.004 ± 0.1685
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.359e−16
Std Dev4.052e−24
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

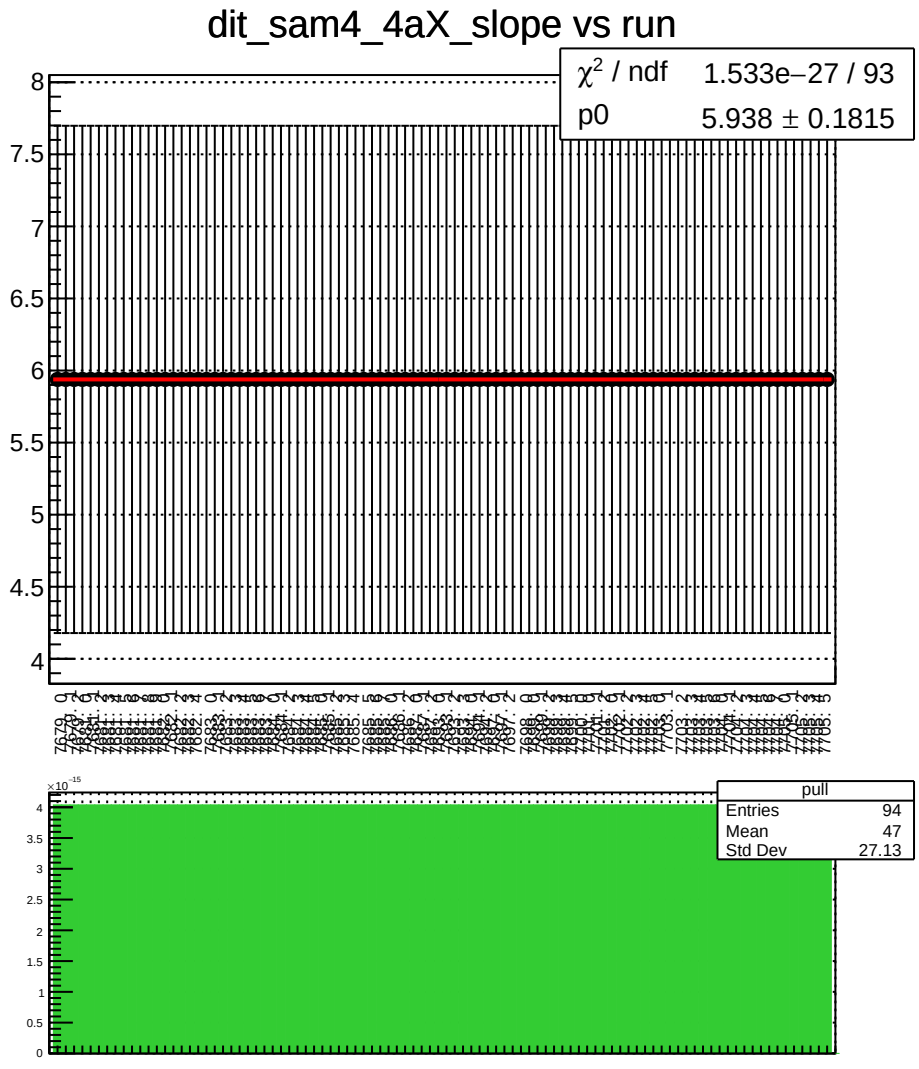

dit_sam3_4eX_slope vs run
χ² / ndf 2.715e−25 / 93
p0 −105.3 ± 0.1636
−103.5
−104
−104.5
−105
−105.5
−106
−106.5
−107
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 94
Mean 5.374e−14
Std Dev 4.522e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

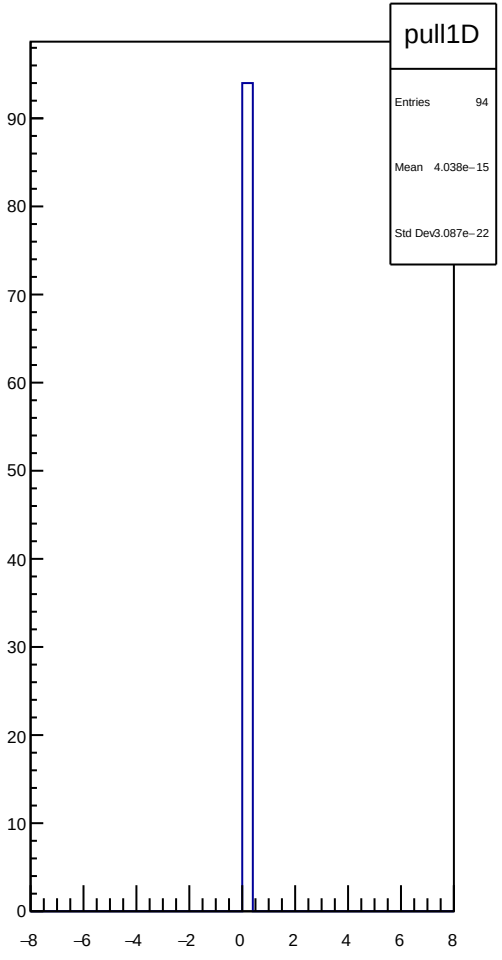

dit_sam3_11X12X_slope vs run
χ² / ndf 5.006e−29 / 93
p0 3.26 ± 0.06276
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 7.298e−16
Std Dev 3.97e−23

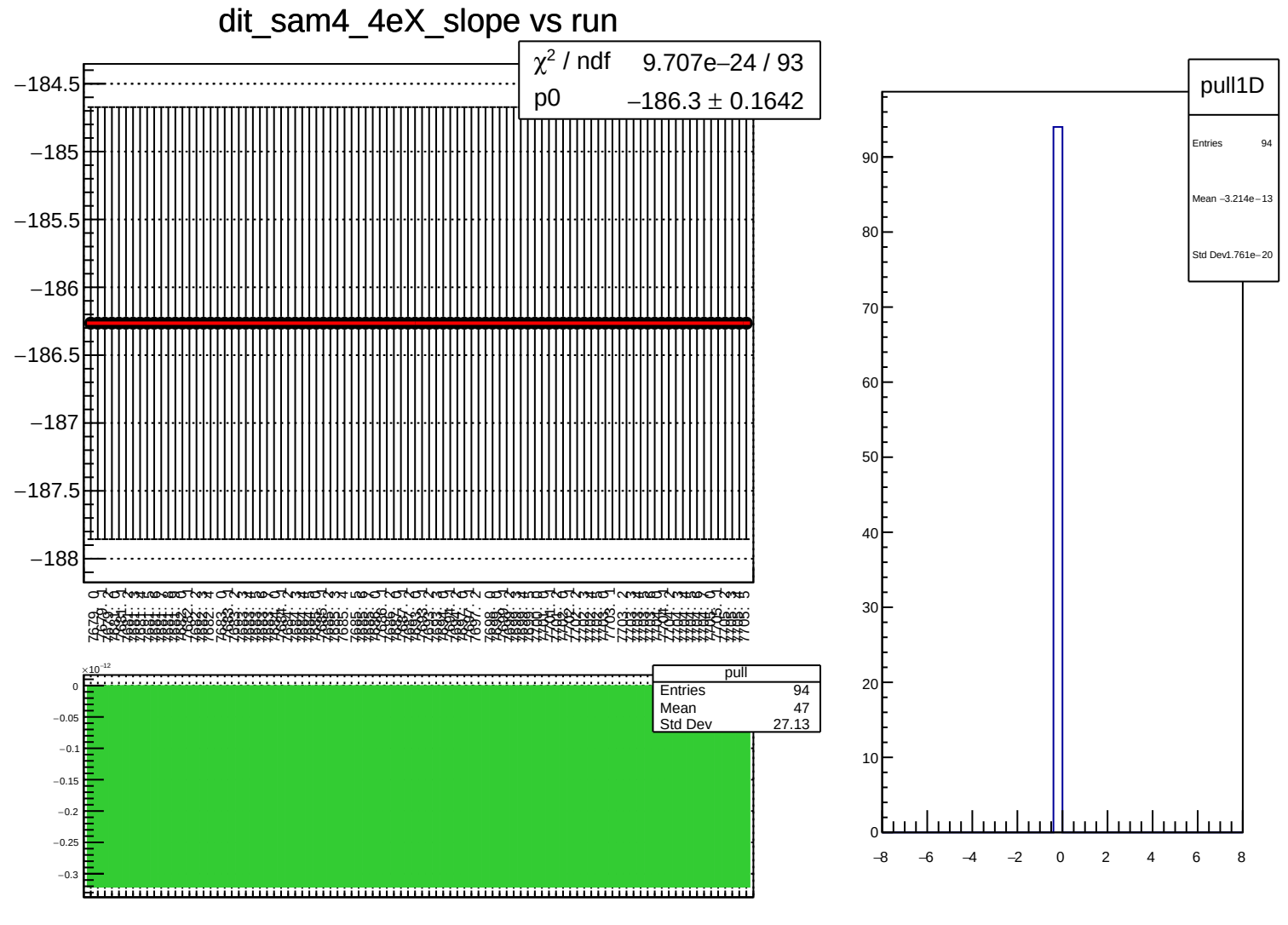

dit_sam3_4aY_slope vs run
χ² / ndf 1.518e−25 / 93
p0 −8.914 ± 0.05472
−8.4
−8.6
−8.8
−9
−9.2
−9.4
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 94
Mean −4.018e−14
Std Dev2.118e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

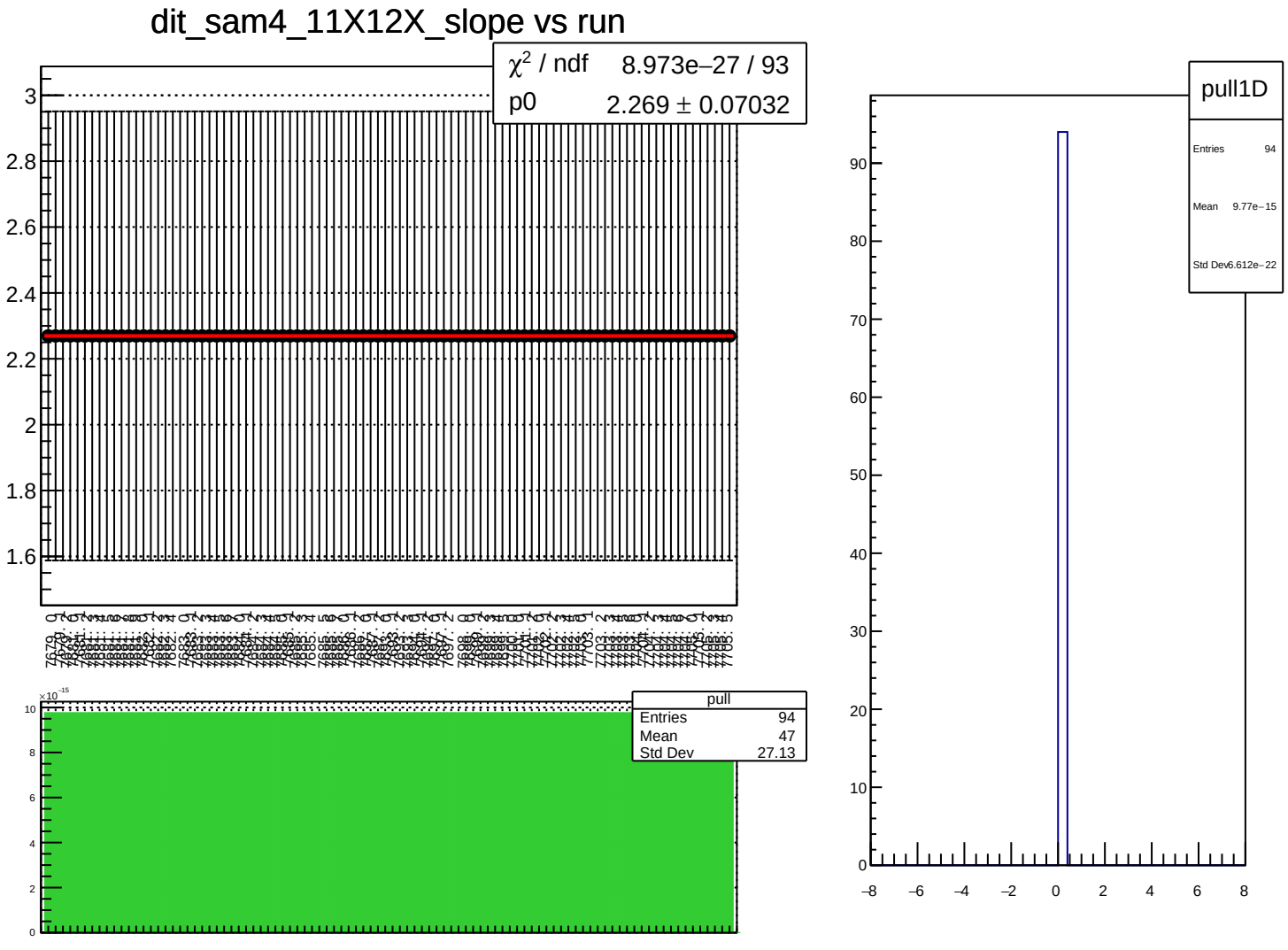

dit_sam3_4eY_slope vs run
χ² / ndf 1.834e−26 / 93
p0 35.24 ± 0.05247
35.8
35.6
35.4
35.2
35
34.8
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

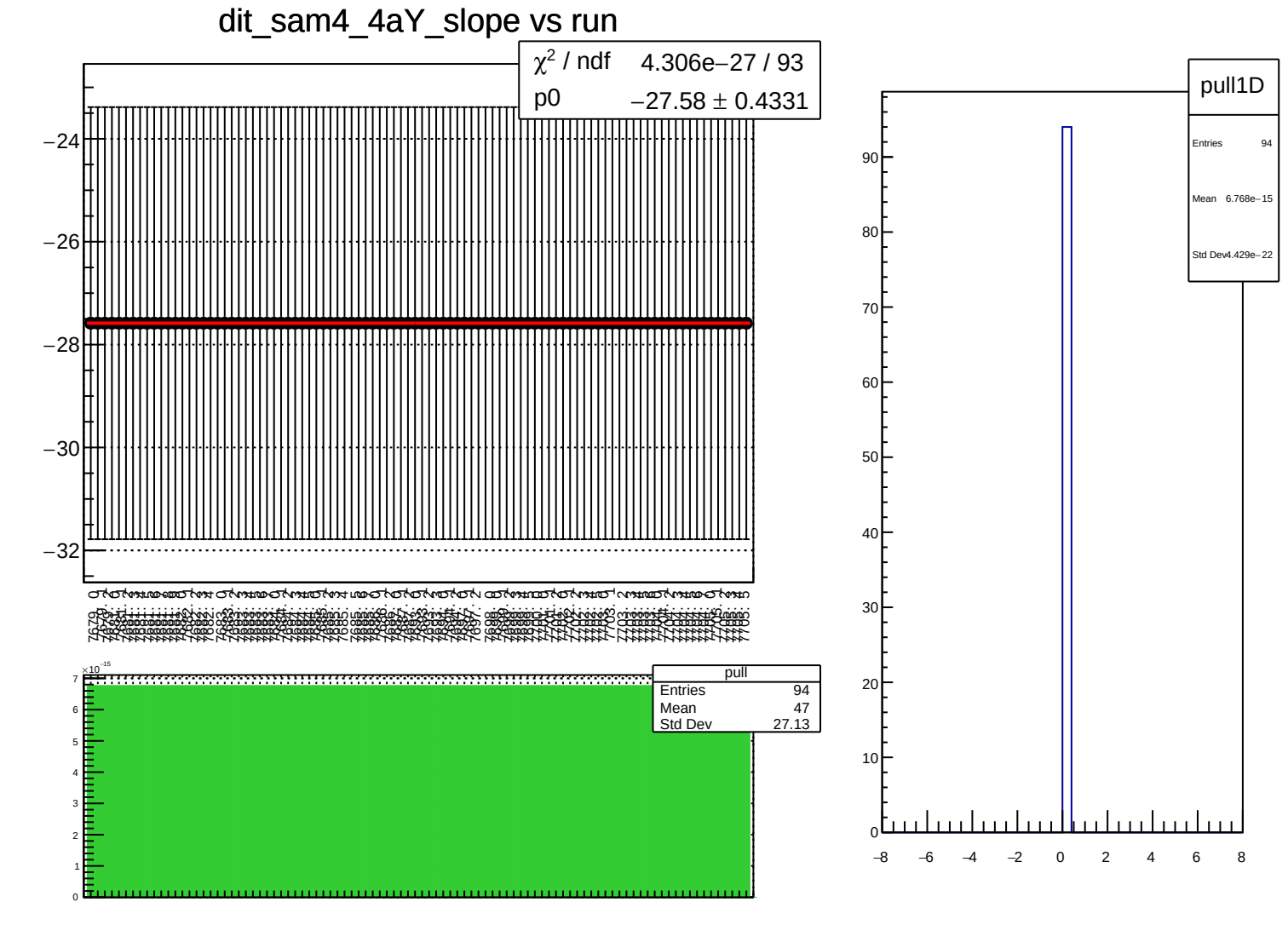

pull1D
Entries 94
Mean −1.397e−14
Std Dev7.181e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

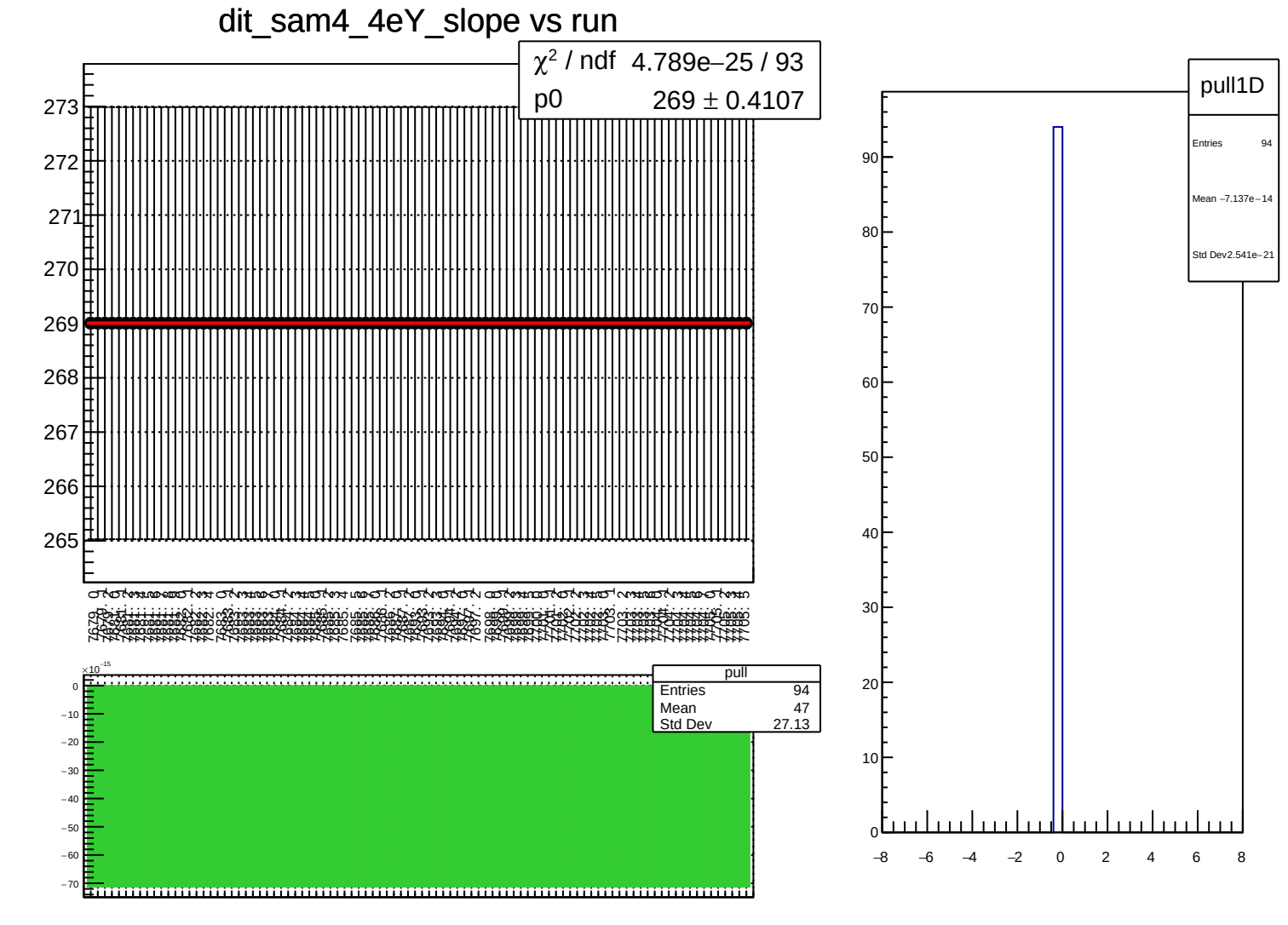

dit_sam4_4aX_slope vs run
χ² / ndf 1.533e−27 / 93
p0 5.938 ± 0.1815
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵

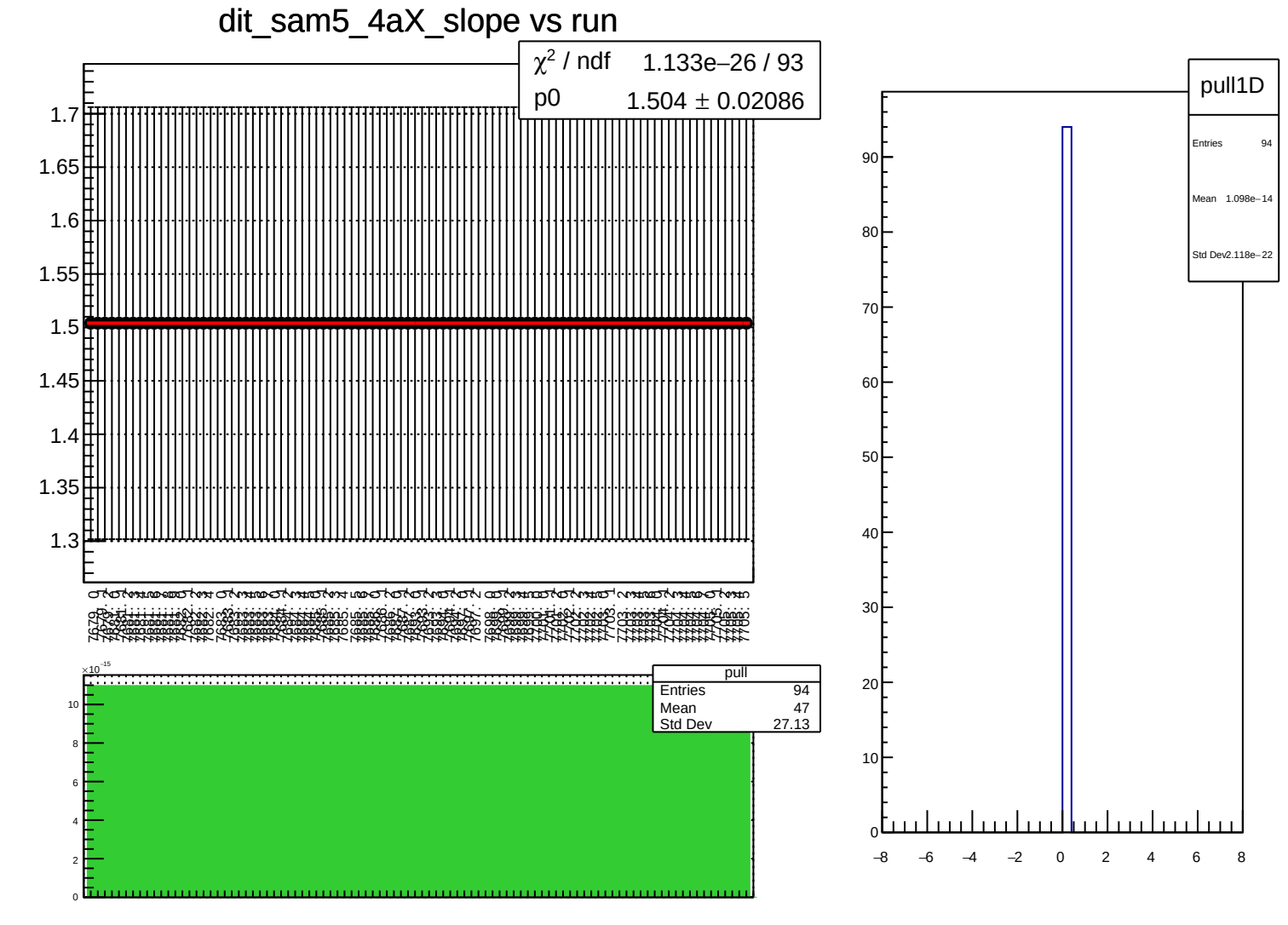

pull1D
Entries 94
Mean 4.038e−15
Std Dev3.087e−22

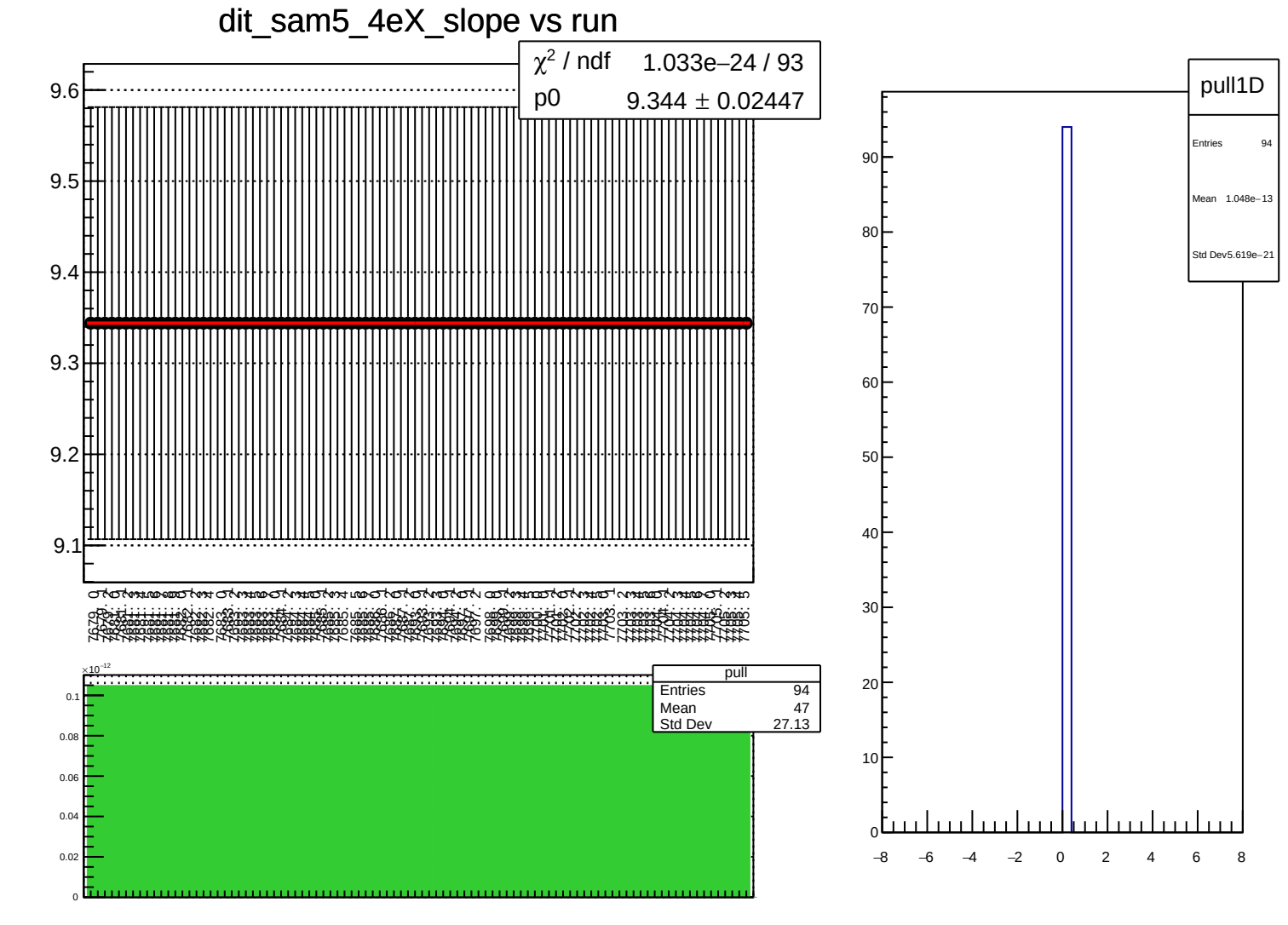

dit_sam4_4eX_slope vs run
χ² / ndf 9.707e−24 / 93
p0 −186.3 ± 0.1642
−184.5
−185
−185.5
−186
−186.5
−187
−187.5
−188
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 94
Mean −3.214e−13
Std Dev1.761e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

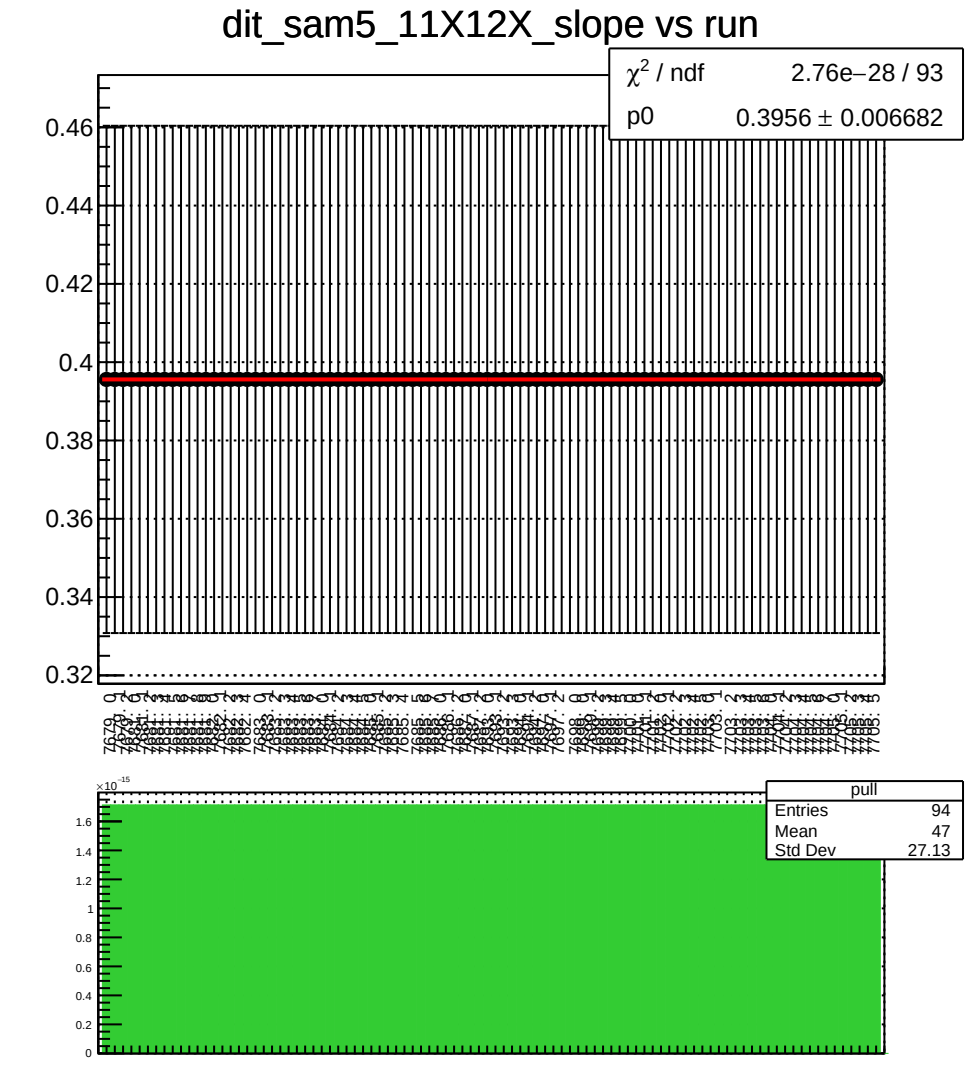

dit_sam4_11X12X_slope vs run
χ² / ndf 8.973e−27 / 93
p0 2.269 ± 0.07032
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 9.77e−15
Std Dev 6.612e−22

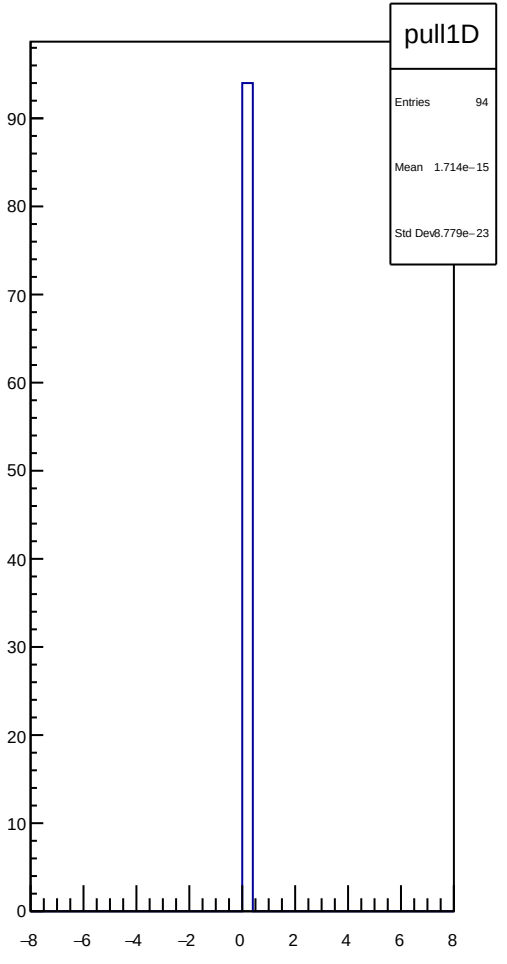

dit_sam4_4aY_slope vs run
χ² / ndf 4.306e−27 / 93
p0 −27.58 ± 0.4331
−24
−26
−28
−30
−32
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
pull1D
Entries 94
Mean 6.768e−15
Std Dev 4.429e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

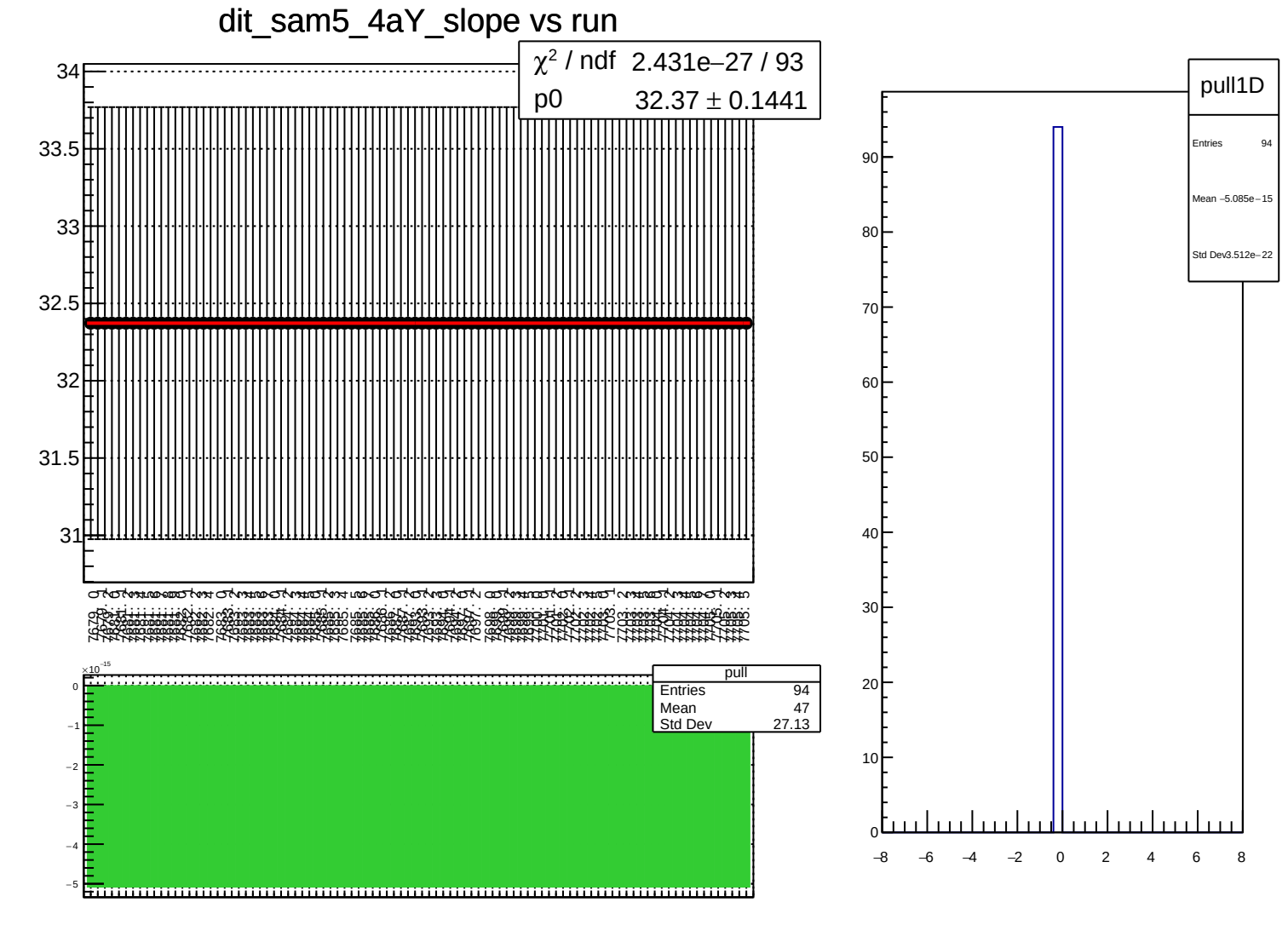

dit_sam4_4eY_slope vs run
χ² / ndf 4.789e−25 / 93
p0 269 ± 0.4107
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean −7.137e−14
Std Dev2.541e−21

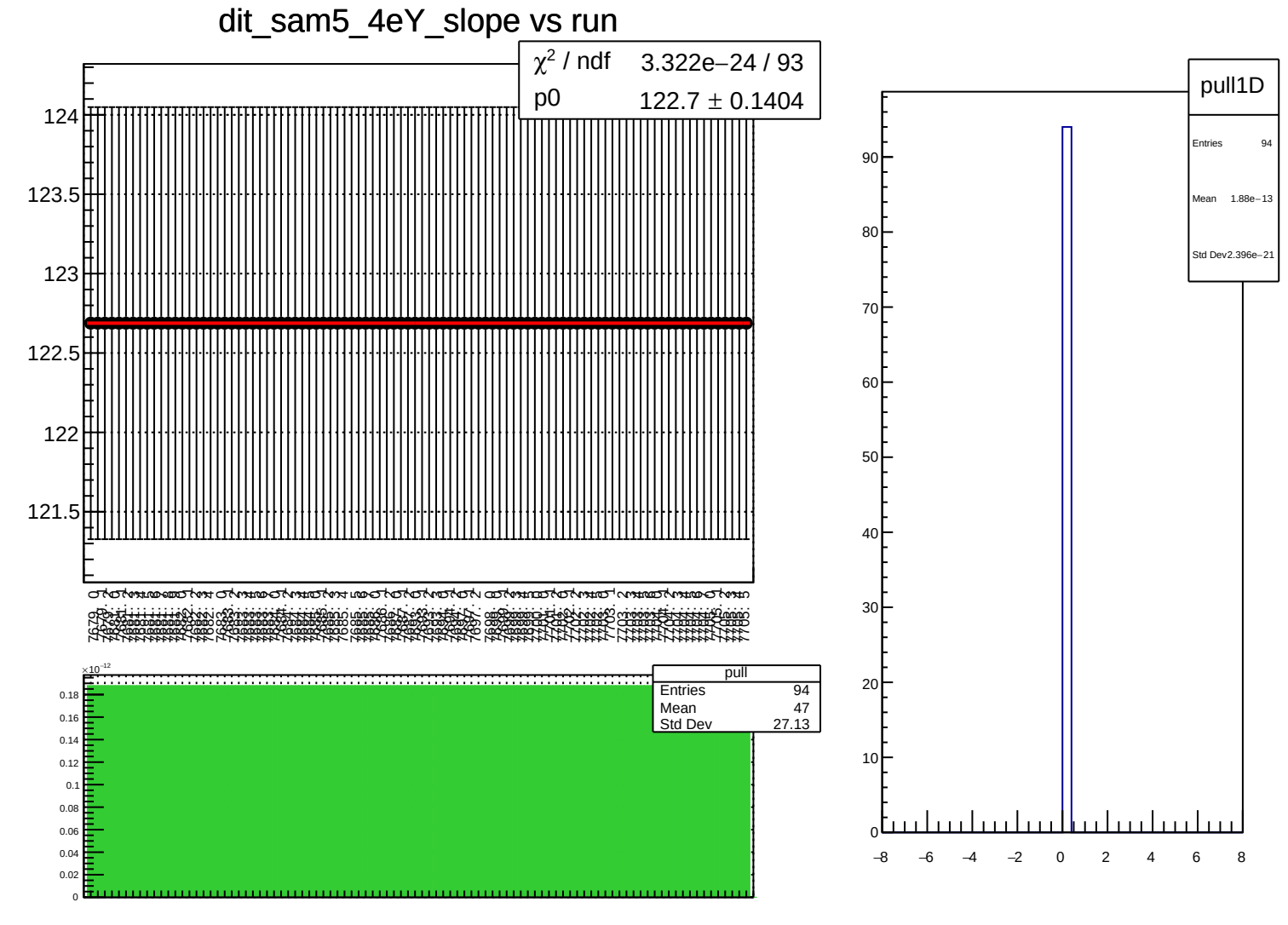

dit_sam5_4aX_slope vs run
χ² / ndf 1.133e−26 / 93
p0 1.504 ± 0.02086
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 1.098e−14
Std Dev2.118e−22

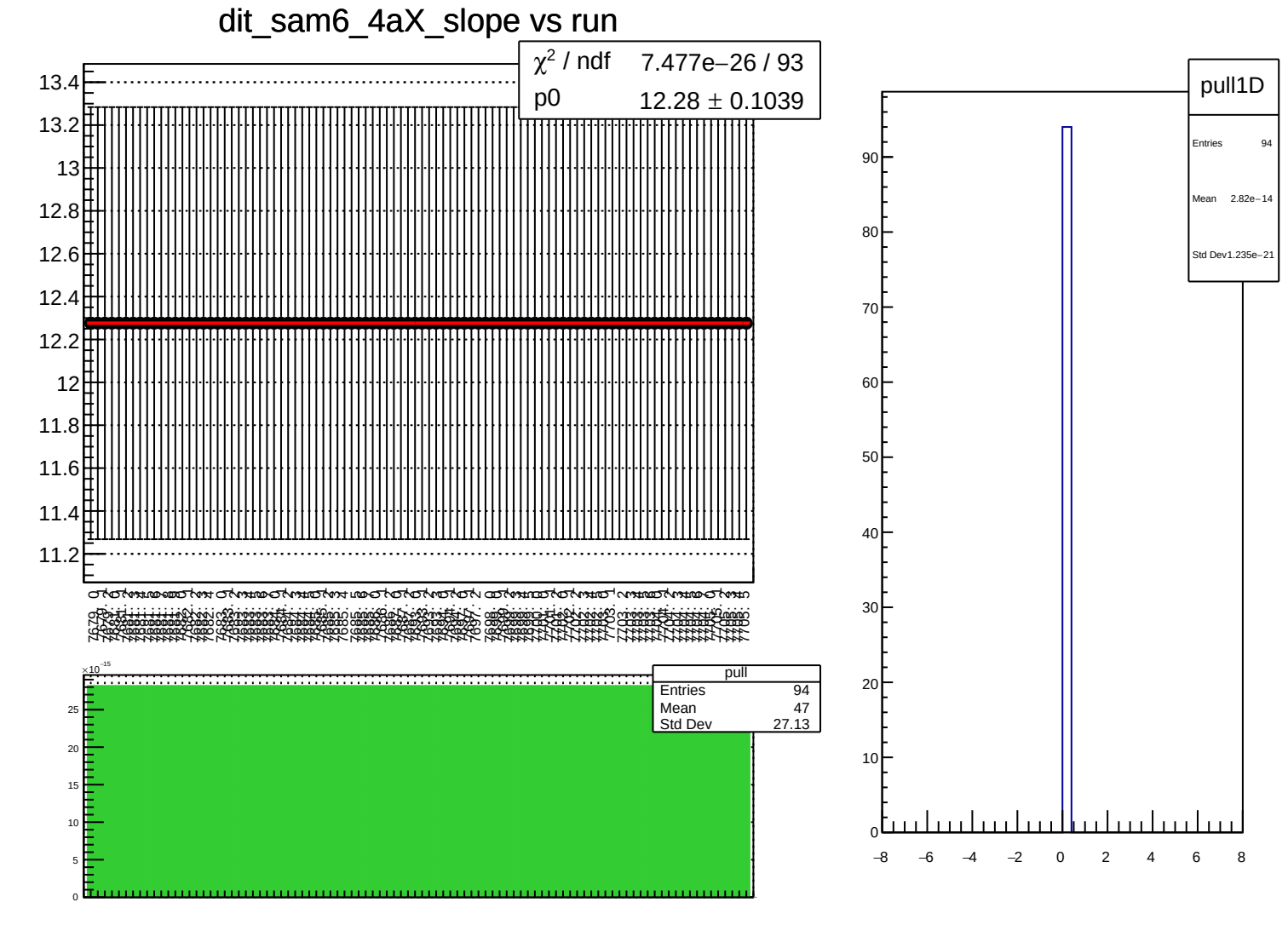

dit_sam5_4eX_slope vs run
χ² / ndf 1.033e−24 / 93
p0 9.344 ± 0.02447
9.6
9.5
9.4
9.3
9.2
9.1
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.048e−13
Std Dev5.619e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

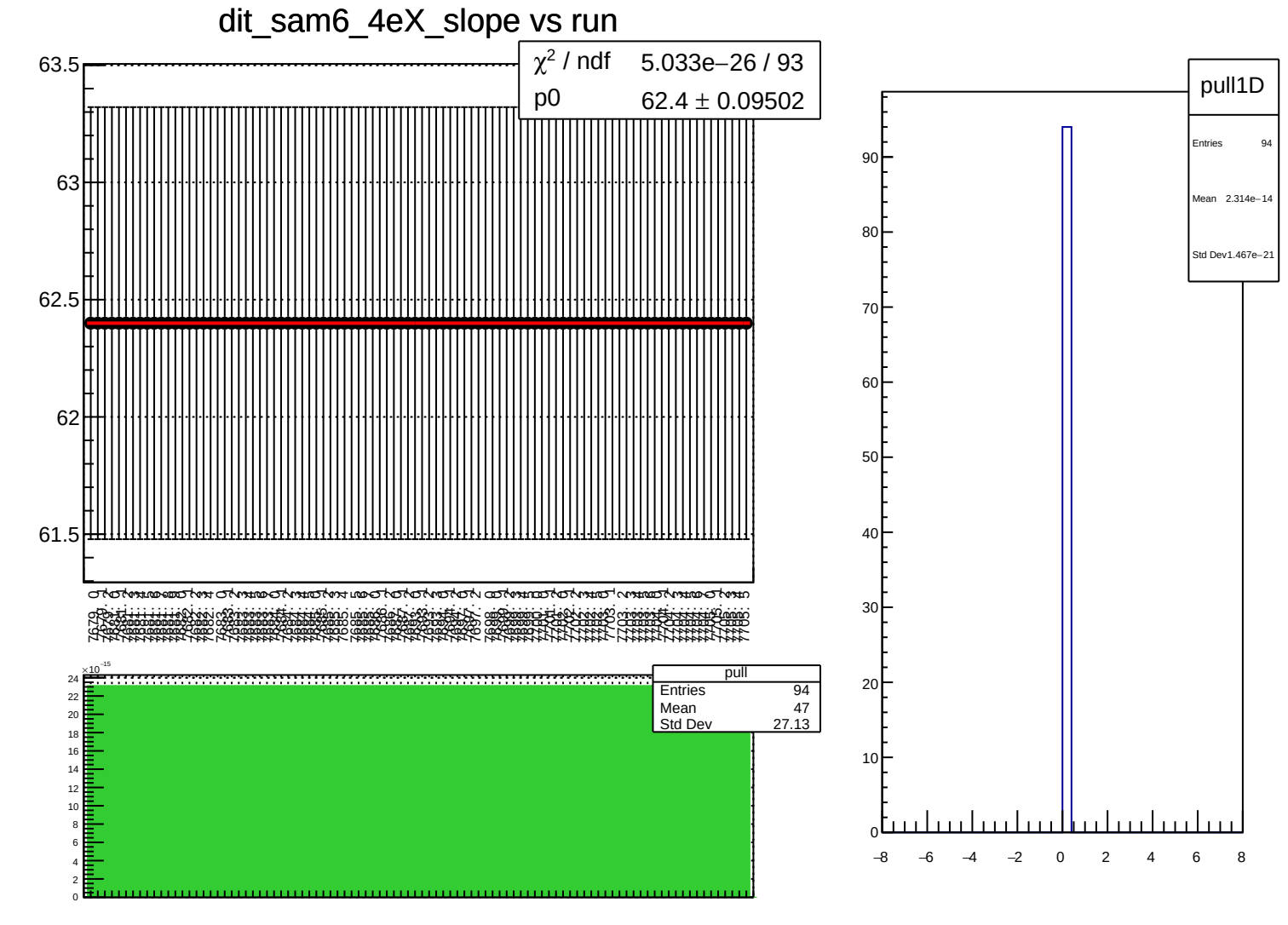

dit_sam5_11X12X_slope vs run
χ² / ndf 2.76e−28 / 93
p0 0.3956 ± 0.006682
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0.32
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

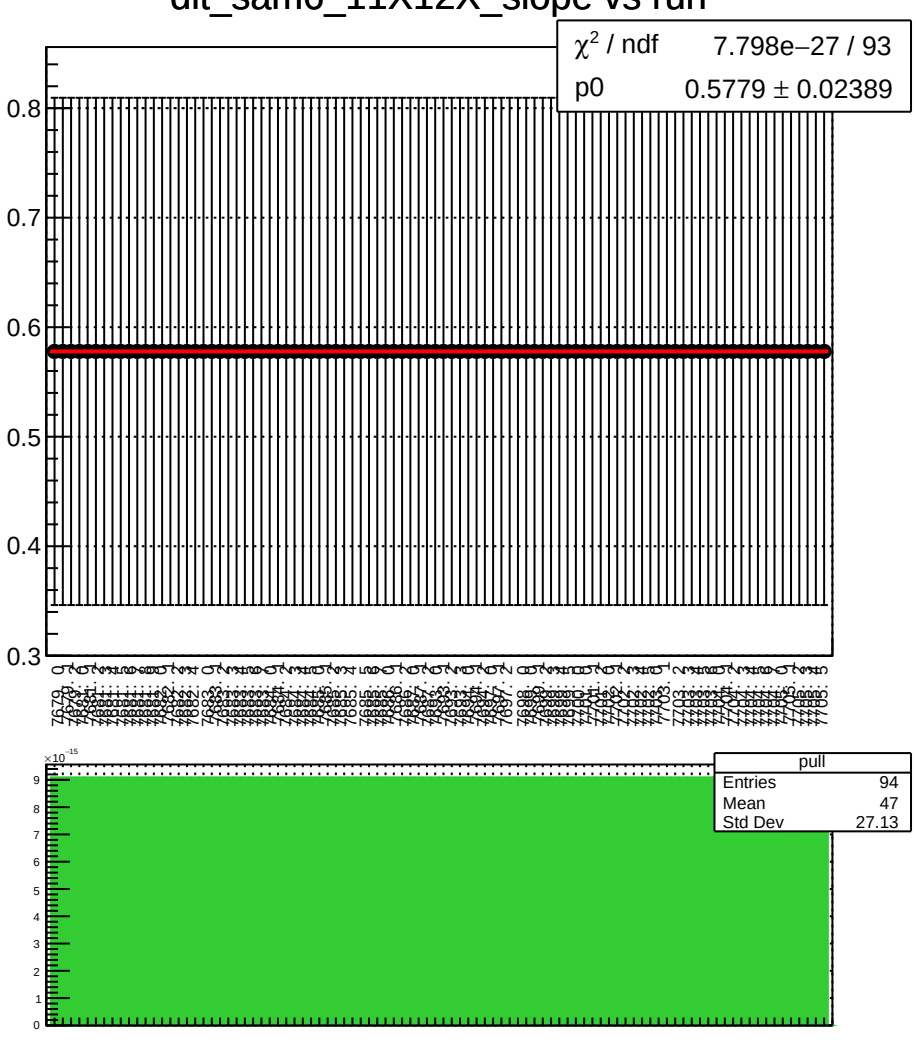

pull1D
Entries 94
Mean 1.714e−15
Std Dev 8.779e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

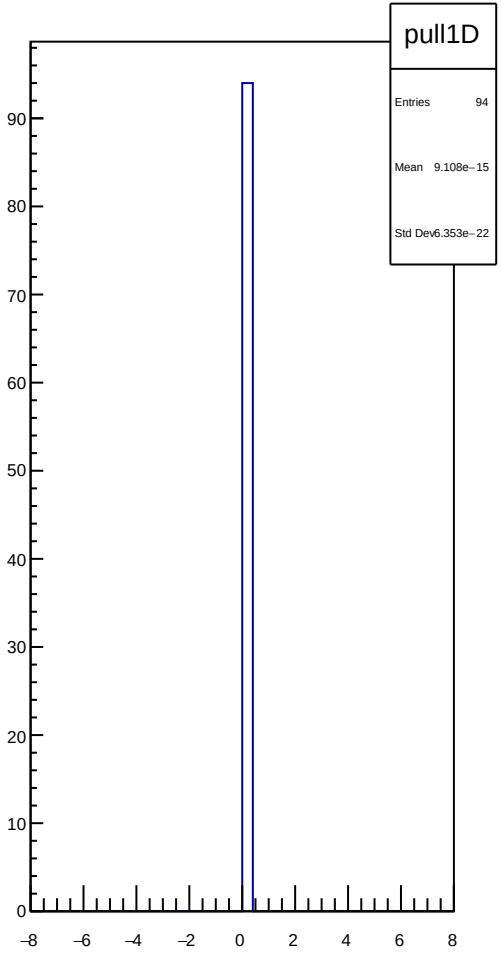

dit_sam5_4aY_slope vs run
χ² / ndf 2.431e−27 / 93
p0 32.37 ± 0.1441
34
33.5
33
32.5
32
31.5
31
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull1D
Entries 94
Mean −5.085e−15
Std Dev3.512e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

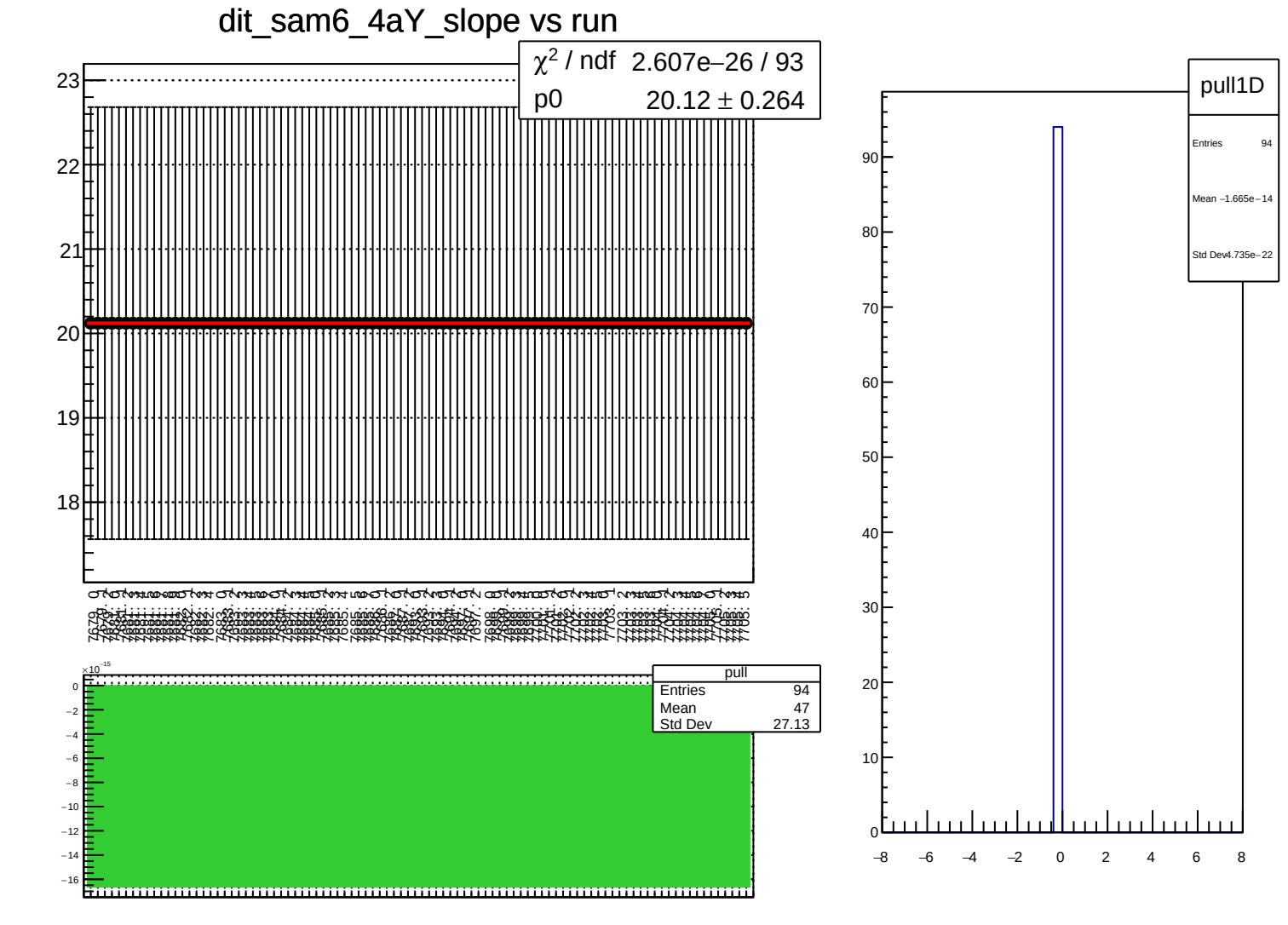

dit_sam5_4eY_slope vs run
χ^2 / ndf 3.322e−24 / 93
p0 122.7 ± 0.1404
124
123.5
123
122.5
122
121.5
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 1.88e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

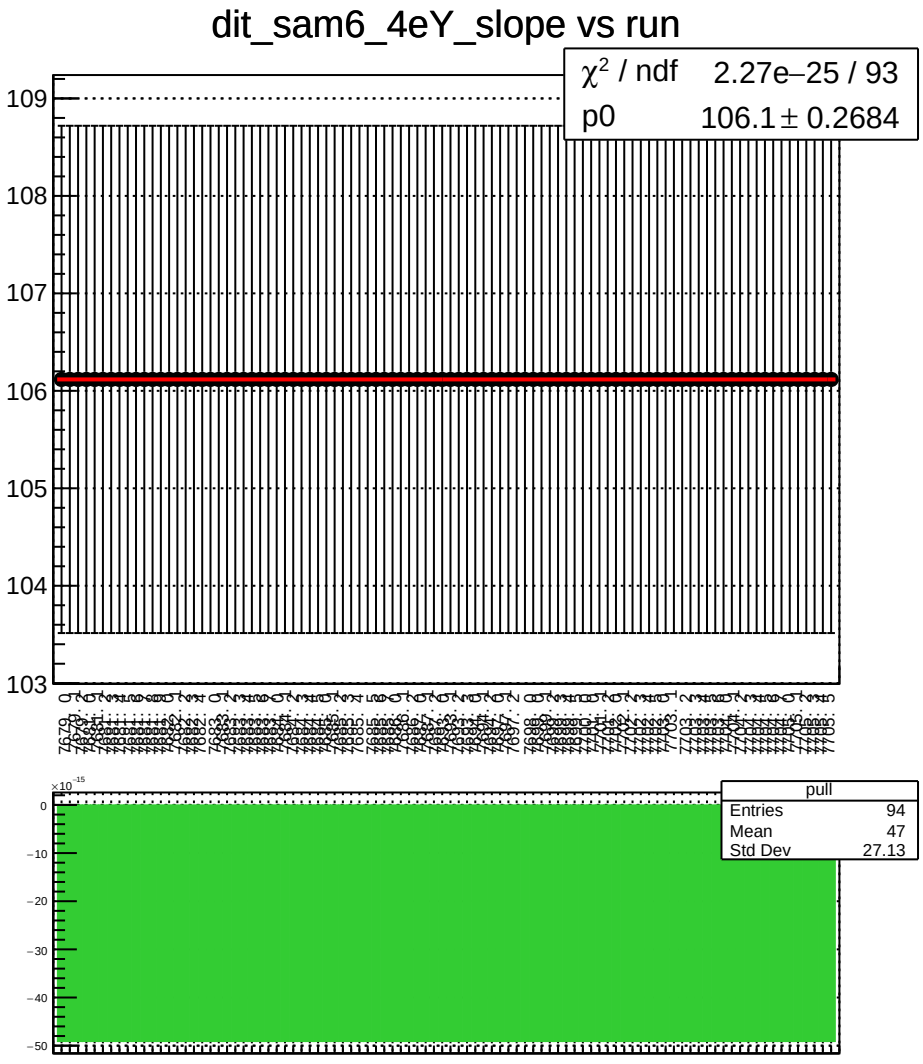

dit_sam6_4aX_slope vs run
χ² / ndf 7.477e−26 / 93
p0 12.28 ± 0.1039
13.4
13.2
13
12.8
12.6
12.4
12.2
12
11.8
11.6
11.4
11.2
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 2.82e−14
Std Dev 1.235e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

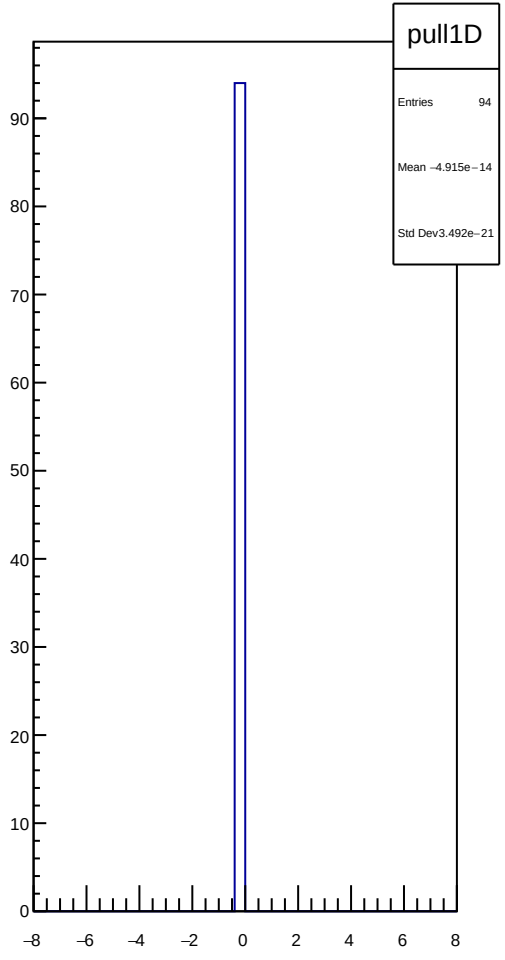

dit_sam6_4eX_slope vs run
χ² / ndf 5.033e−26 / 93
p0 62.4 ± 0.09502
63.5
63
62.5
62
61.5
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 94
Mean 2.314e−14
Std Dev 1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

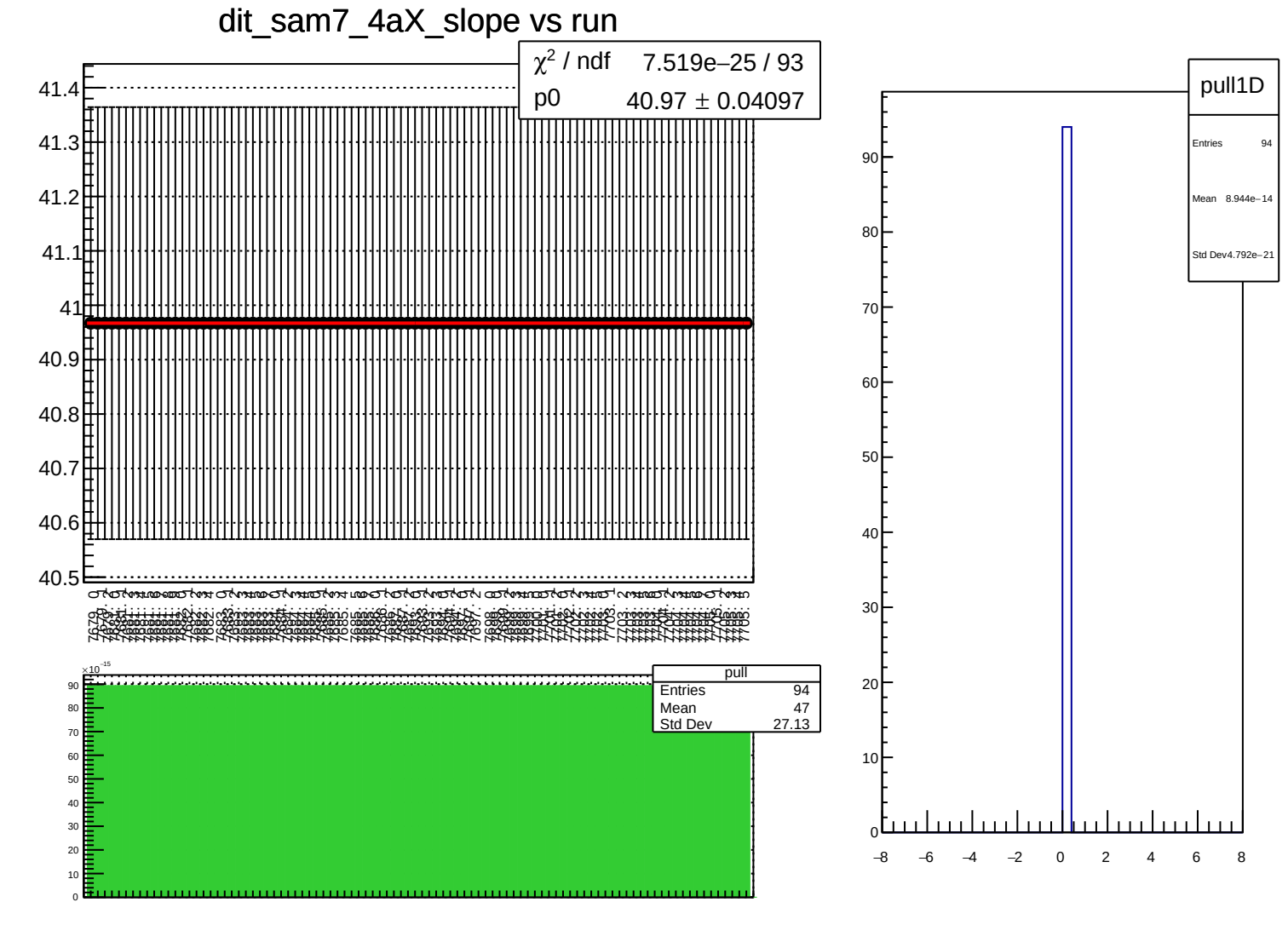

dit_sam6_11X12X_slope vs run
χ^2 / ndf 7.798e−27 / 93
p0 0.5779 ± 0.02389
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵

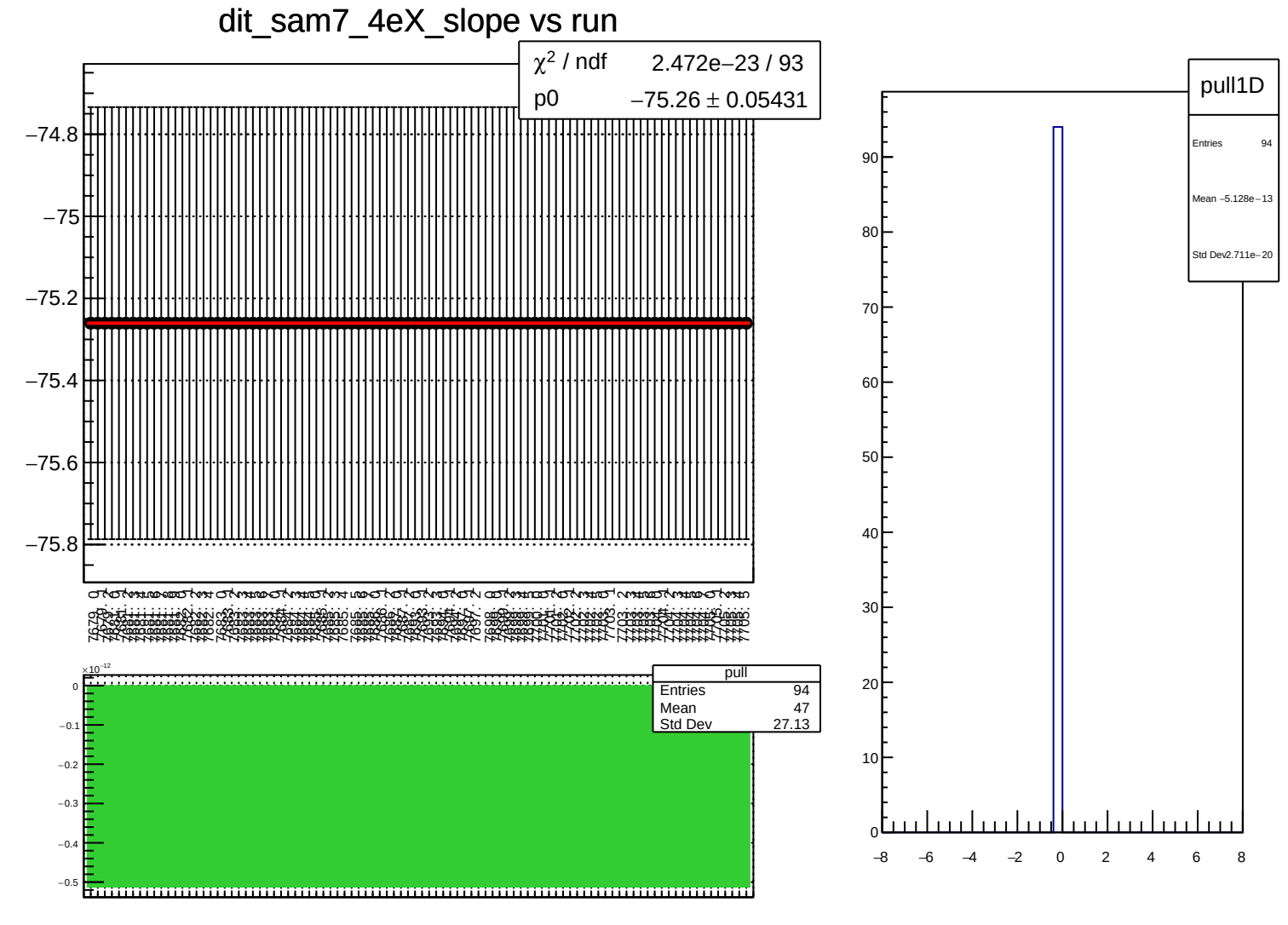

pull1D
Entries 94
Mean 9.108e−15
Std Dev 6.353e−22

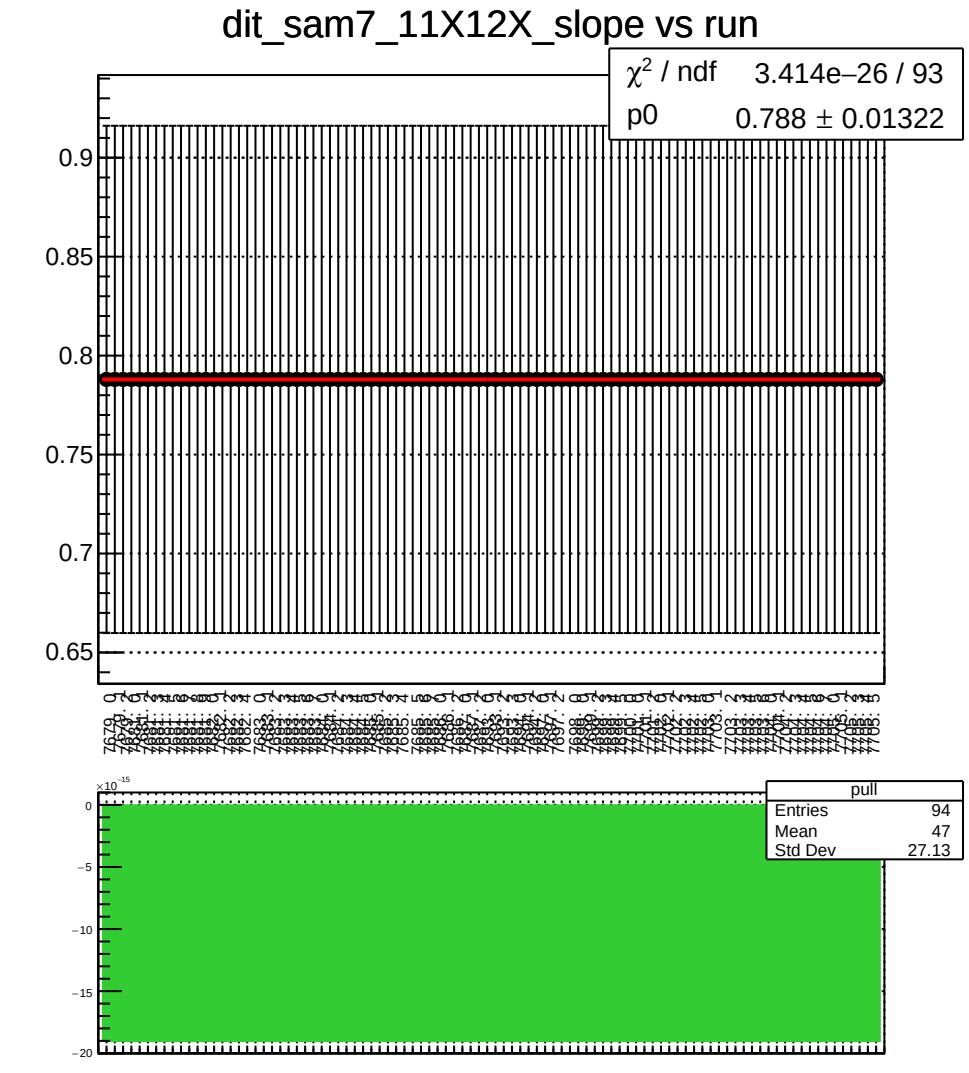

dit_sam6_4aY_slope vs run
χ^2 / ndf 2.607e−26 / 93
p0 20.12 ± 0.264
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean −1.665e−14
Std Dev4.735e−22

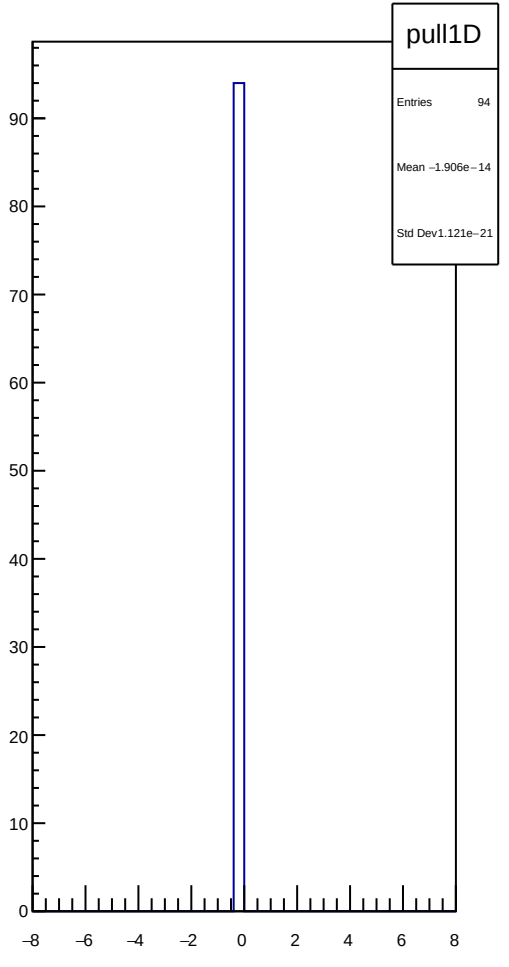

dit_sam6_4eY_slope vs run
χ² / ndf 2.27e−25 / 93
p0 106.1 ± 0.2684
109
108
107
106
105
104
103
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 94
Mean 47
Std Dev 27.13

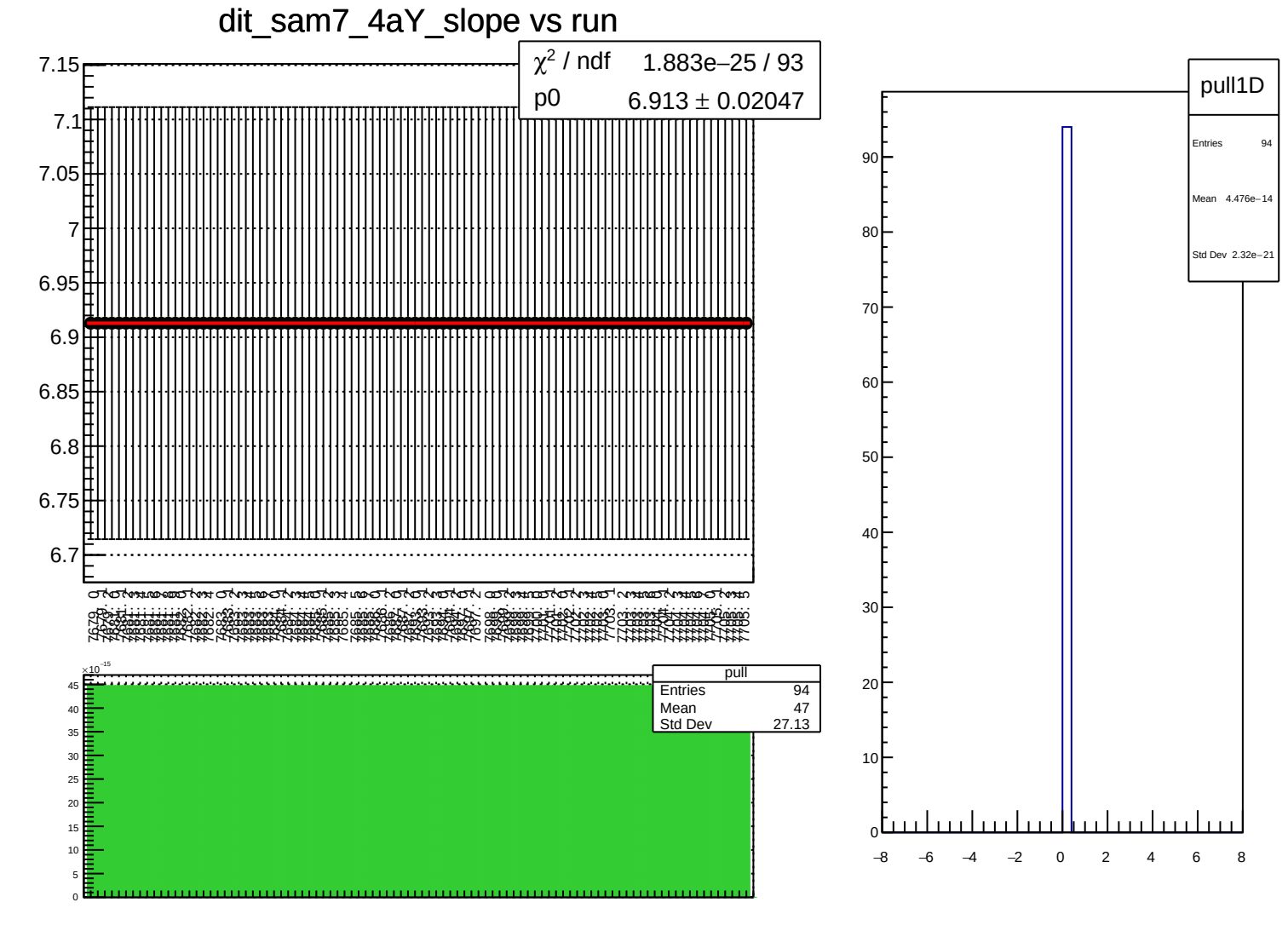

pull1D
Entries 94
Mean −4.915e−14
Std Dev3.492e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

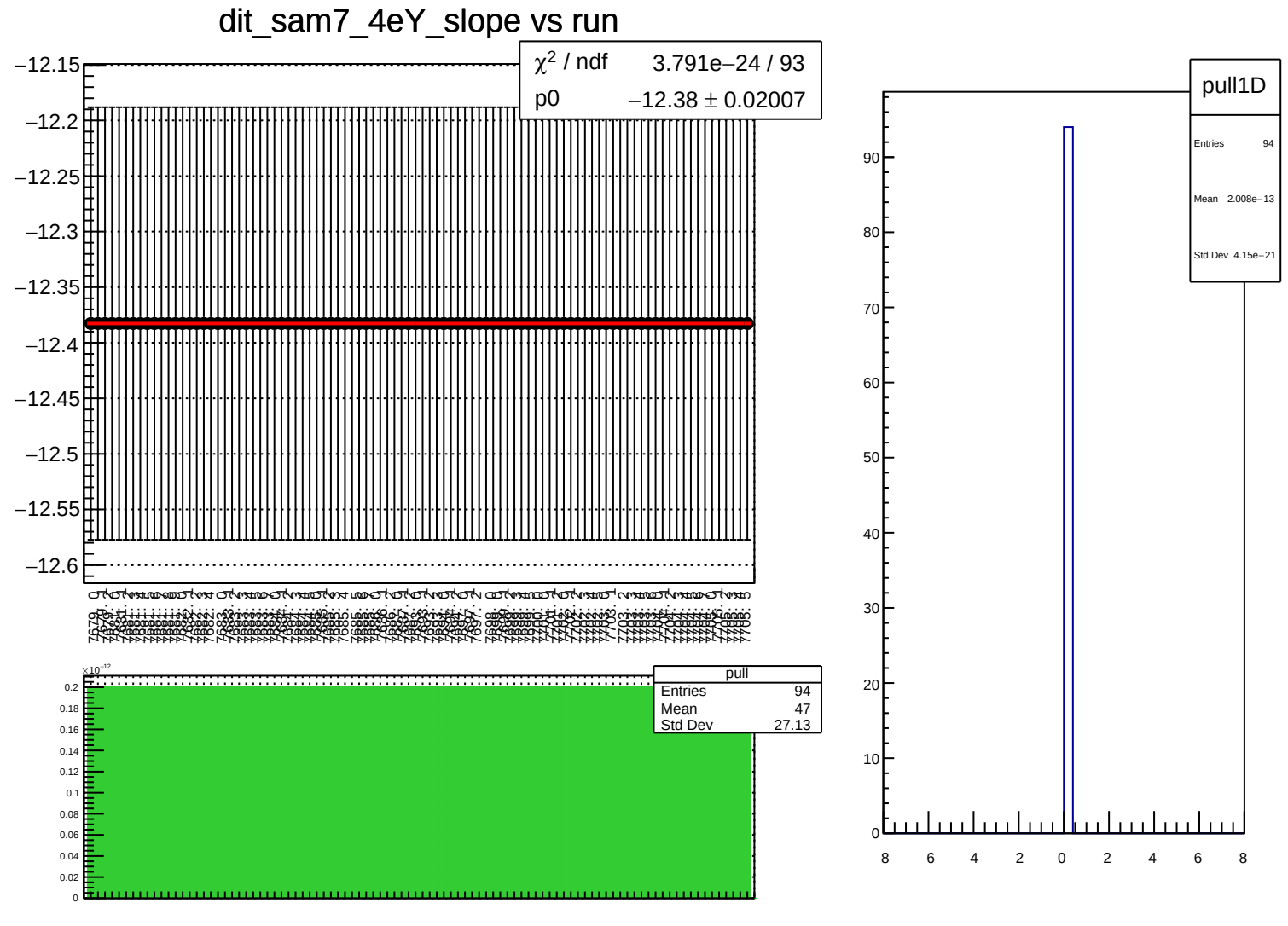

dit_sam7_4aX_slope vs run
χ² / ndf 7.519e−25 / 93
p0 40.97 ± 0.04097
41.4
41.3
41.2
41.1
41
40.9
40.8
40.7
40.6
40.5
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 8.944e−14
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

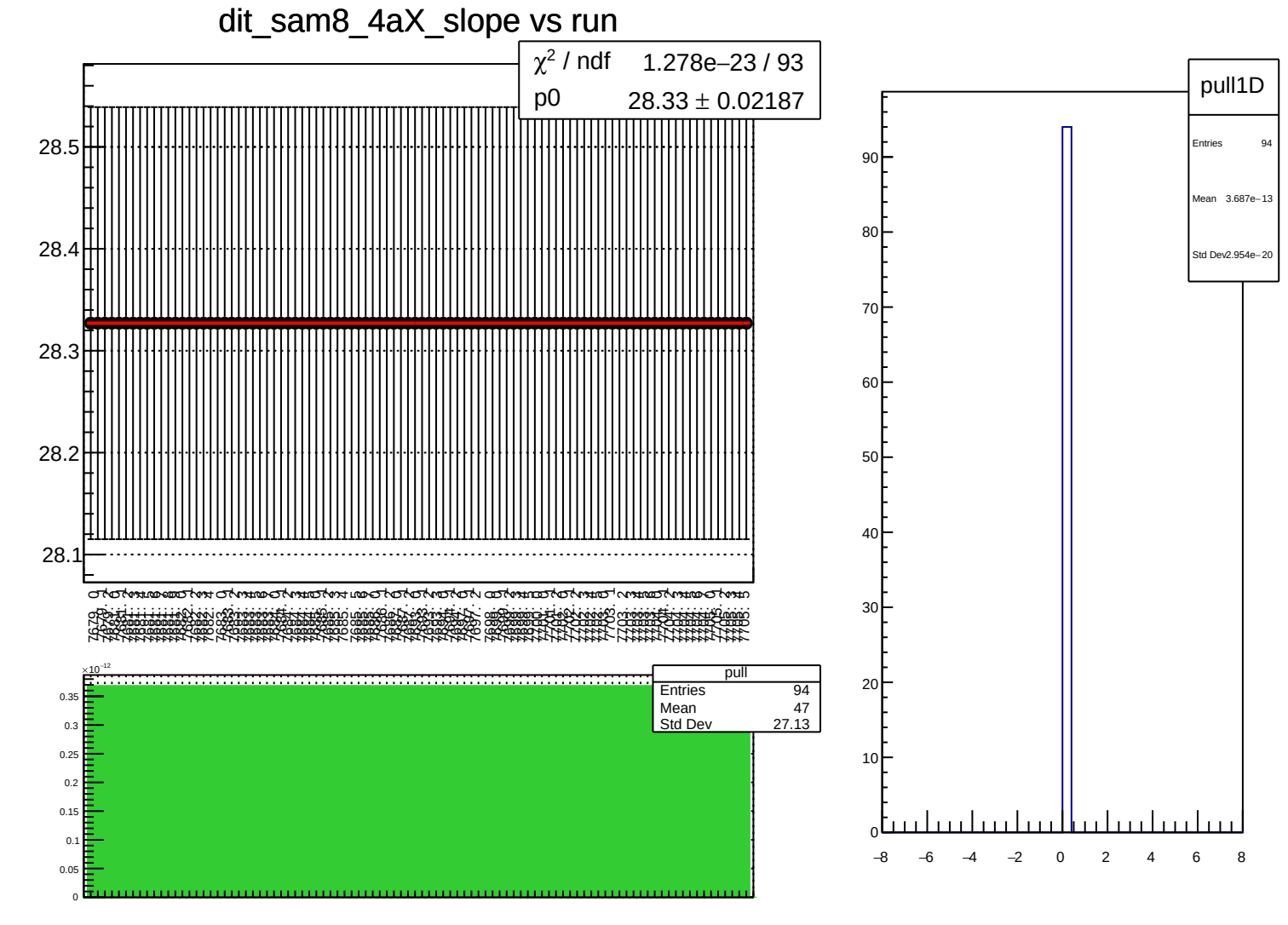

dit_sam7_4eX_slope vs run
χ² / ndf 2.472e−23 / 93
p0 −75.26 ± 0.05431
−74.8
−75
−75.2
−75.4
−75.6
−75.8
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 94
Mean −5.128e−13
Std Dev 2.711e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

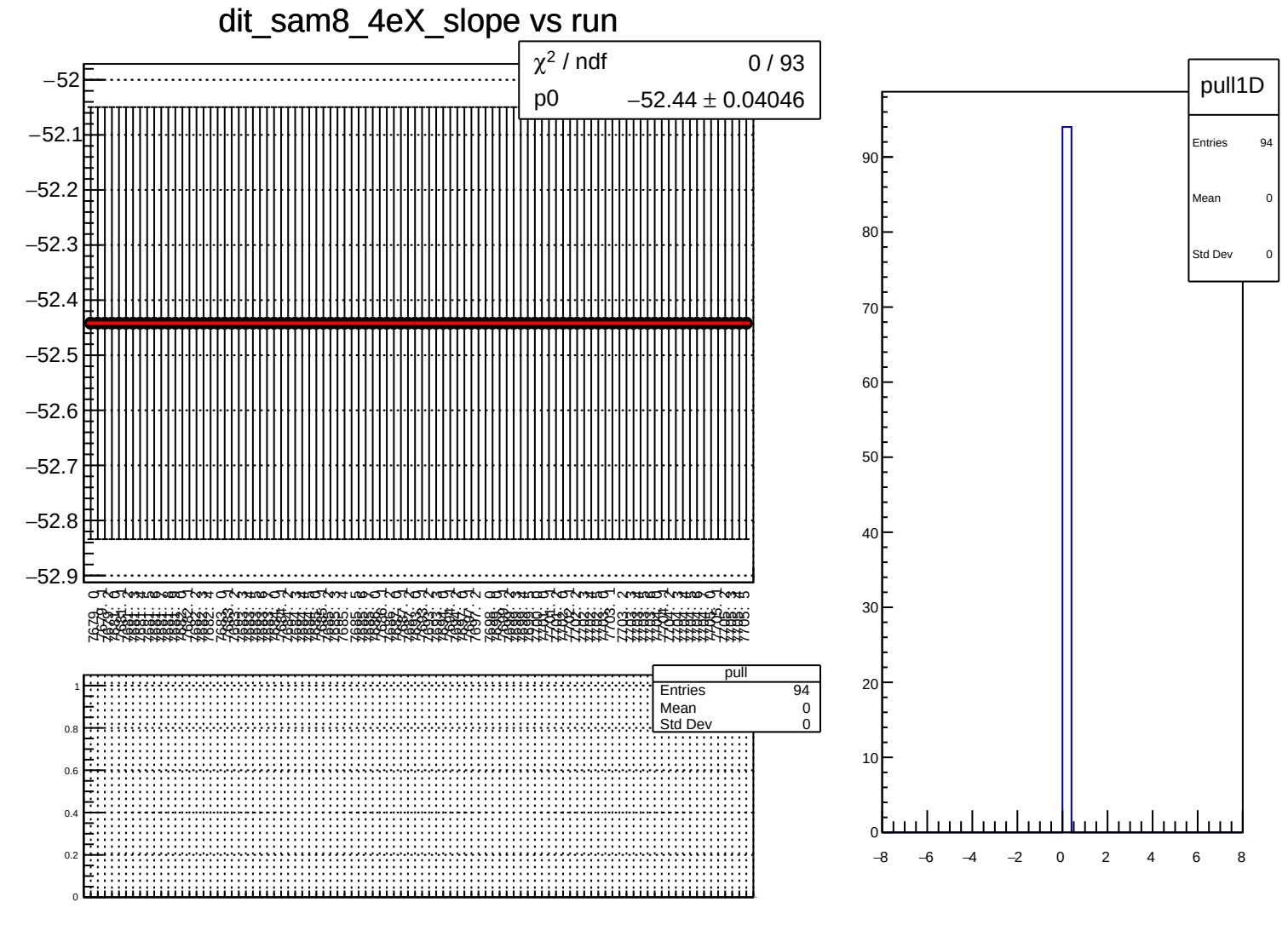

dit_sam7_11X12X_slope vs run
χ² / ndf 3.414e−26 / 93
p0 0.788 ± 0.01322
0.9
0.85
0.8
0.75
0.7
0.65
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−5
−10
−15
−20

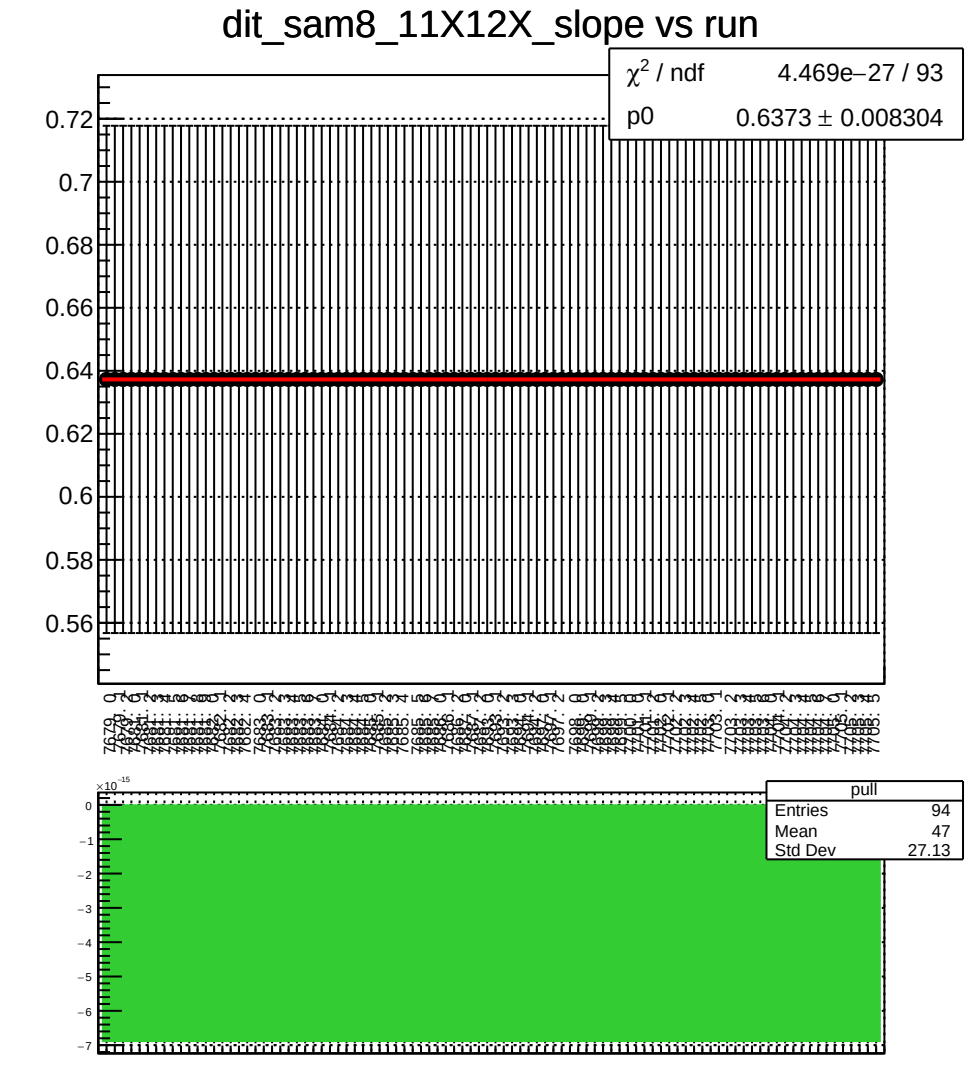

pull1D
Entries 94
Mean −1.906e−14
Std Dev1.121e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

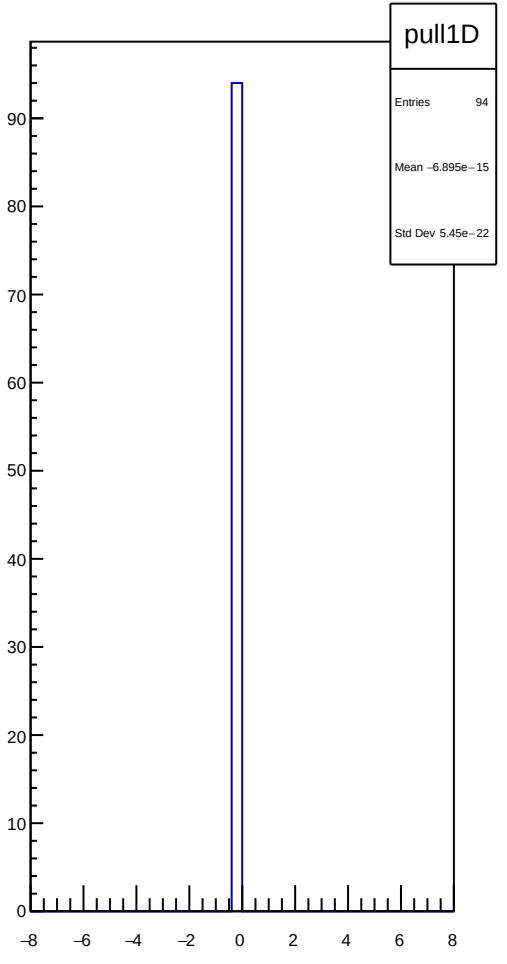

dit_sam7_4aY_slope vs run
χ² / ndf 1.883e−25 / 93
p0 6.913 ± 0.02047
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 4.476e−14
Std Dev 2.32e−21

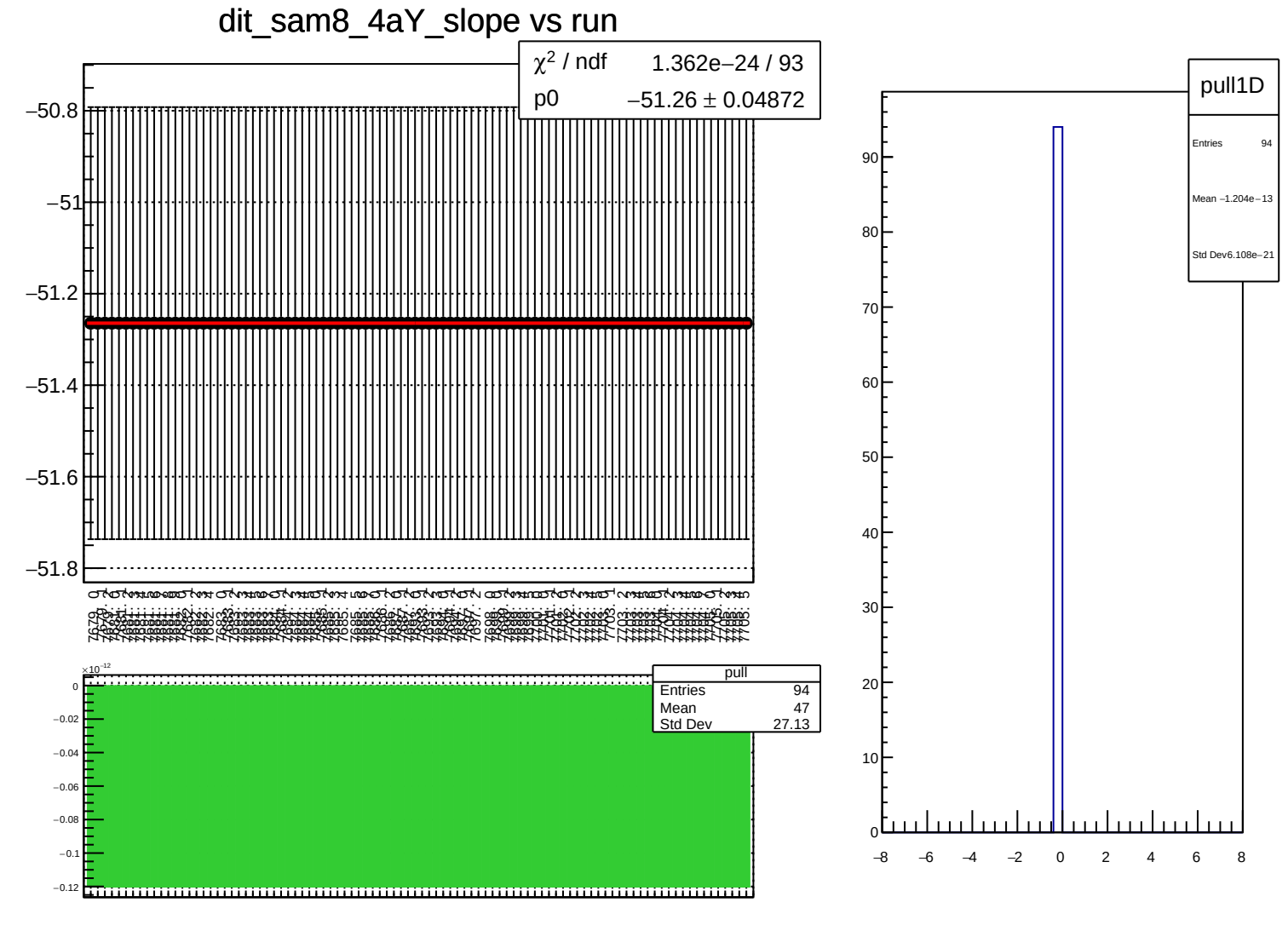

dit_sam7_4eY_slope vs run
χ² / ndf 3.791e−24 / 93
p0 −12.38 ± 0.02007
−12.15
−12.2
−12.25
−12.3
−12.35
−12.4
−12.45
−12.5
−12.55
−12.6
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 94
Mean 2.008e−13
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

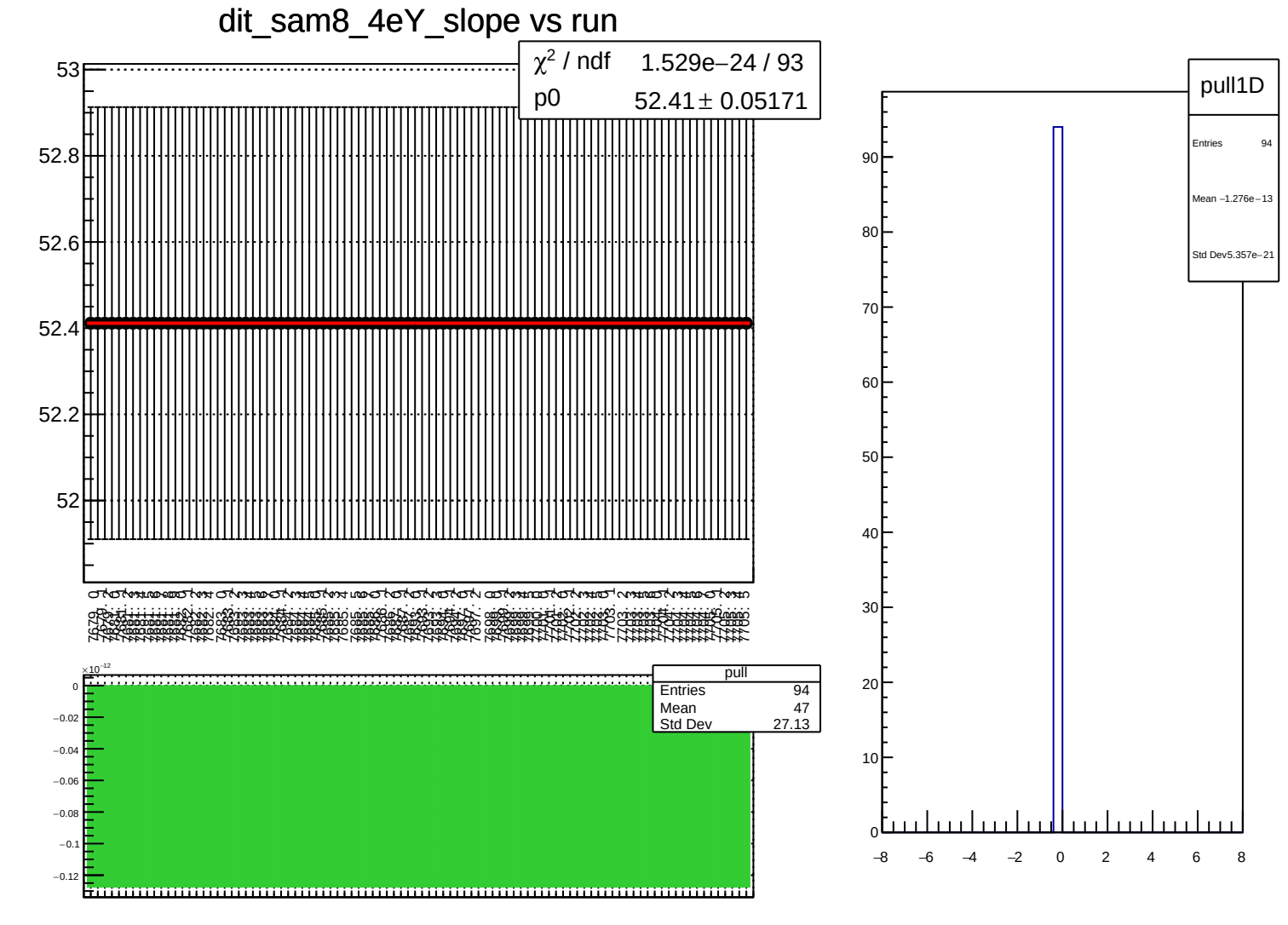

dit_sam8_4aX_slope vs run
χ² / ndf 1.278e−23 / 93
p0 28.33 ± 0.02187
28.5
28.4
28.3
28.2
28.1
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 94
Mean 47
Std Dev 27.13
pull1D
Entries 94
Mean 3.687e−13
Std Dev 2.954e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

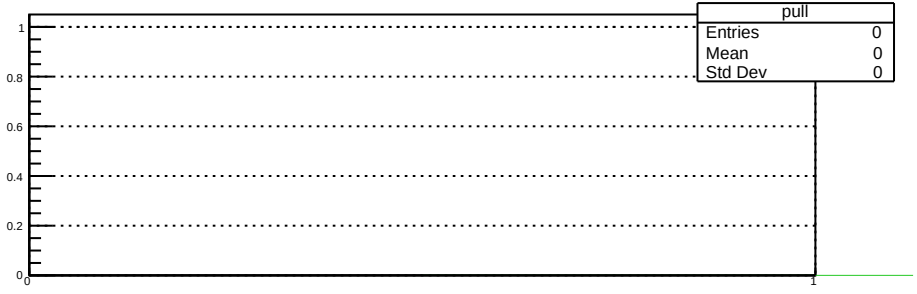

dit_sam8_4eX_slope vs run
χ² / ndf 0 / 93
p0 −52.44 ± 0.04046
−52
−52.1
−52.2
−52.3
−52.4
−52.5
−52.6
−52.7
−52.8
−52.9
pull
Entries 94
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 94
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

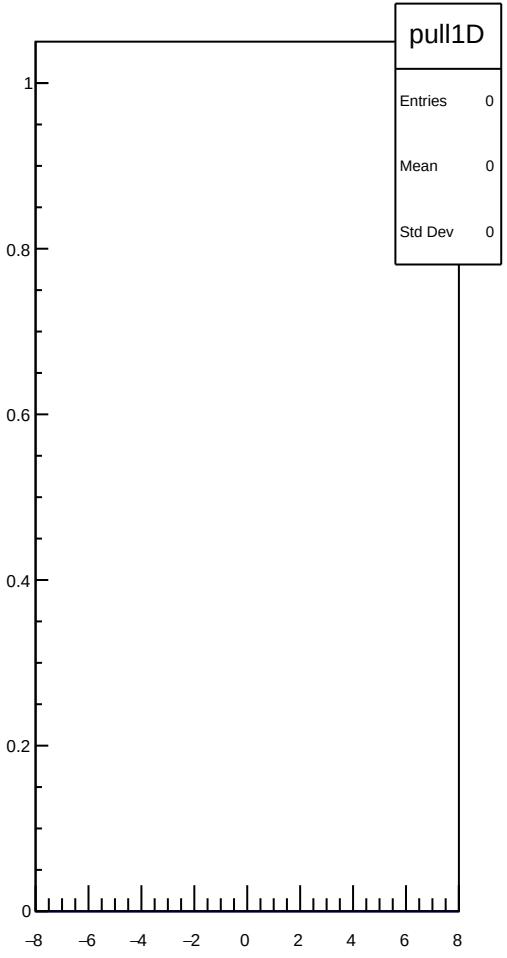

dit_sam8_11X12X_slope vs run
χ² / ndf 4.469e−27 / 93
p0 0.6373 ± 0.008304
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

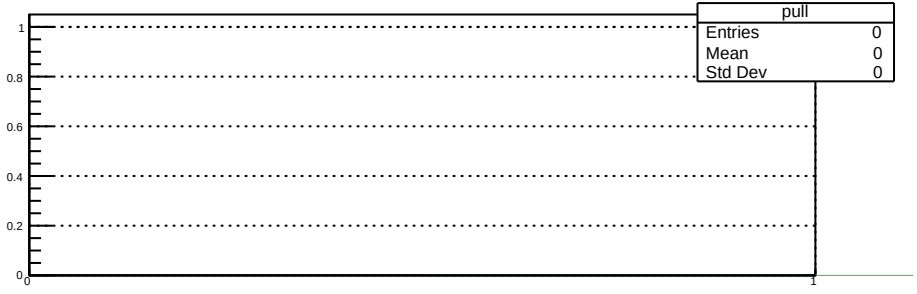

pull1D
Entries 94
Mean −6.895e−15
Std Dev 5.45e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

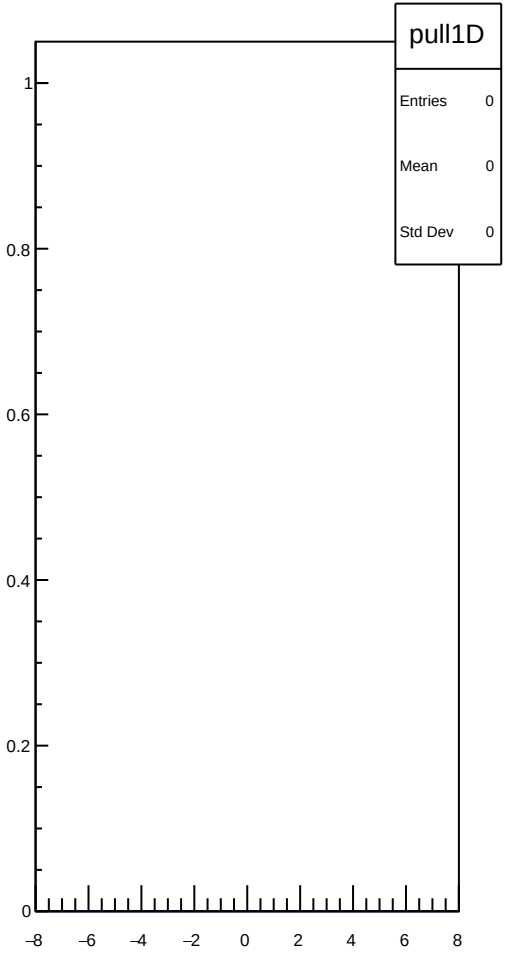

dit_sam8_4aY_slope vs run
χ² / ndf 1.362e−24 / 93
p0 −51.26 ± 0.04872
−50.8
−51
−51.2
−51.4
−51.6
−51.8
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 94
Mean −1.204e−13
Std Dev6.108e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

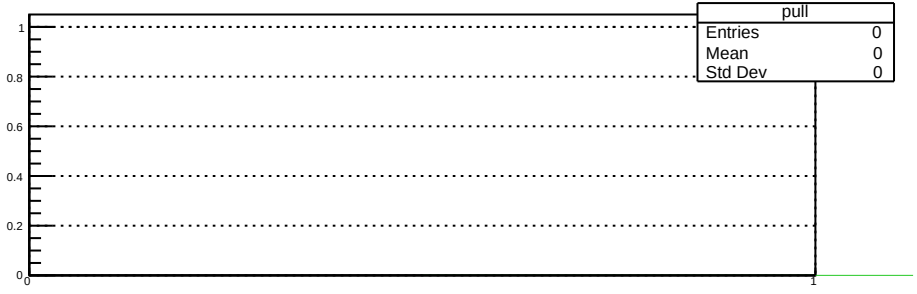

dit_sam8_4eY_slope vs run
χ² / ndf 1.529e−24 / 93
p0 52.41 ± 0.05171
53
52.8
52.6
52.4
52.2
52
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 94
Mean −1.276e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

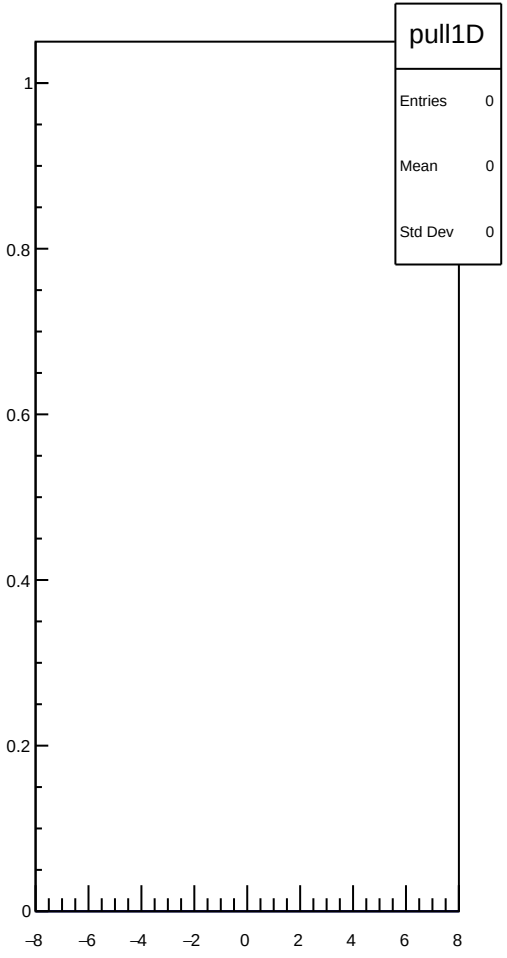

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

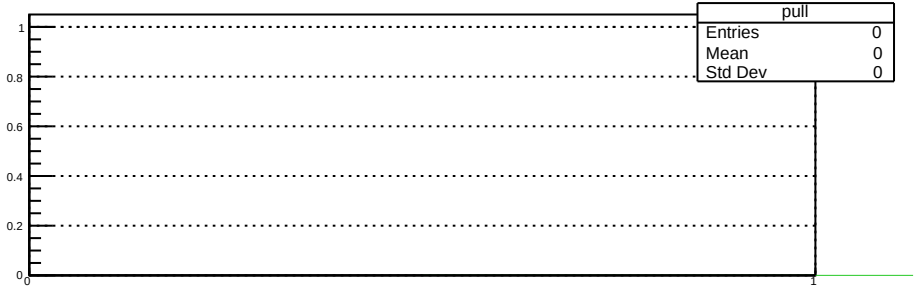

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

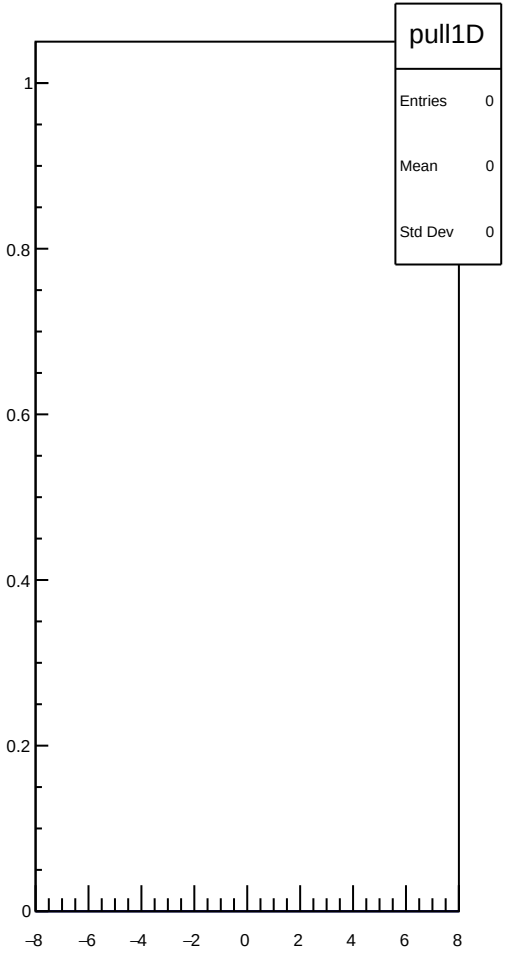

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

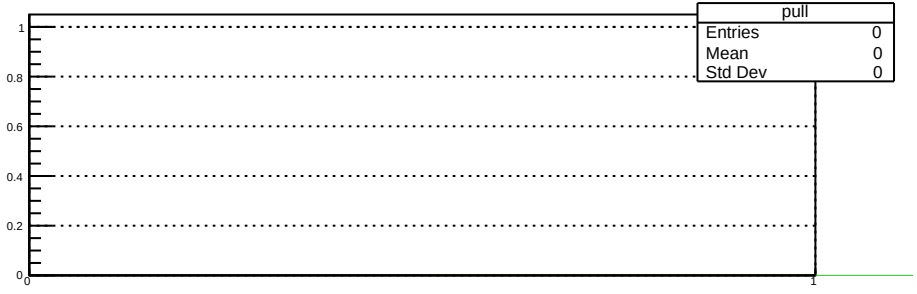

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

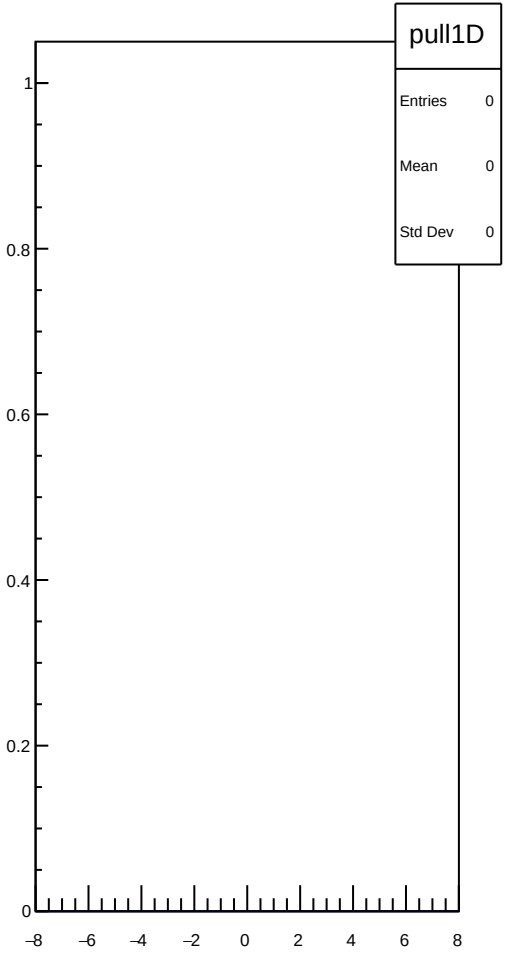

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

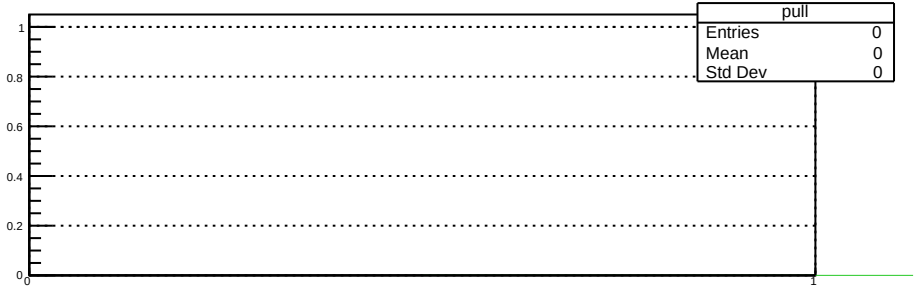

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

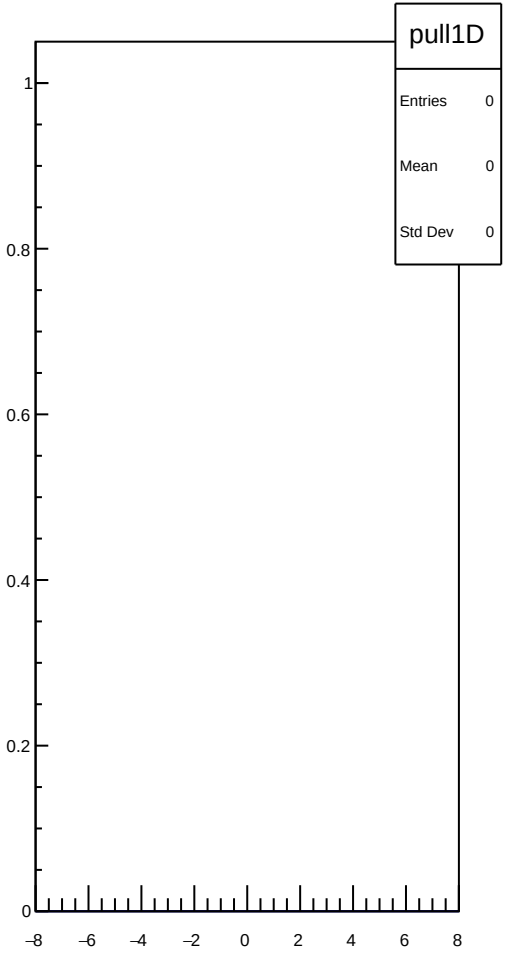

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

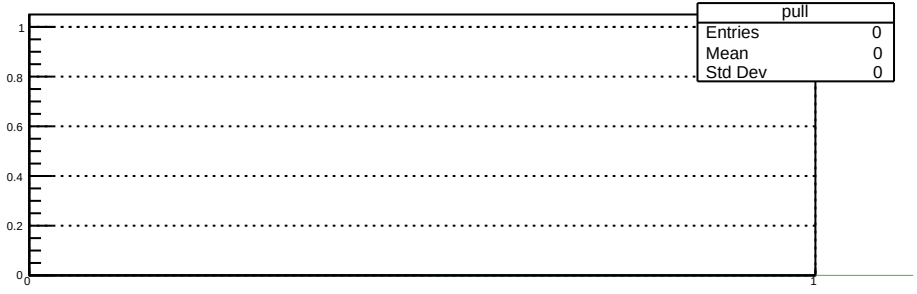

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

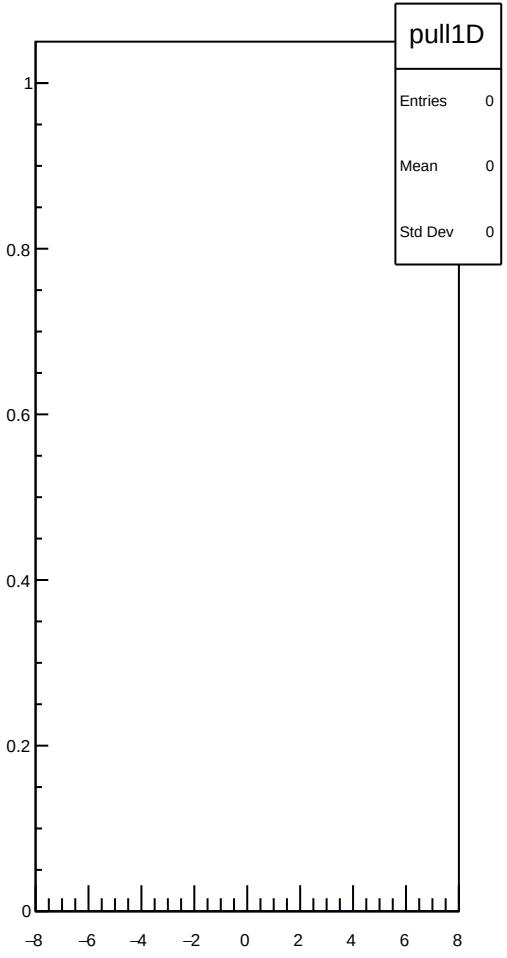

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

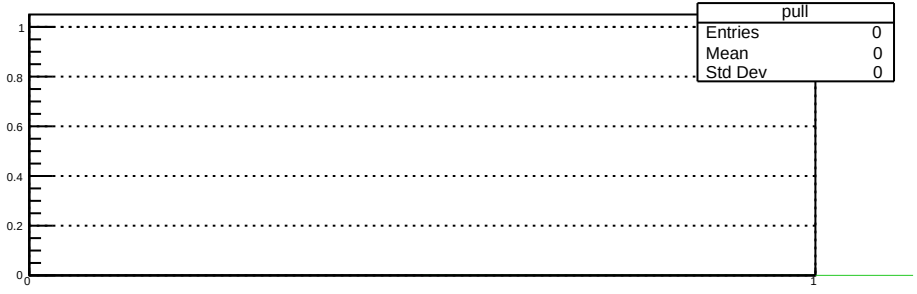

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

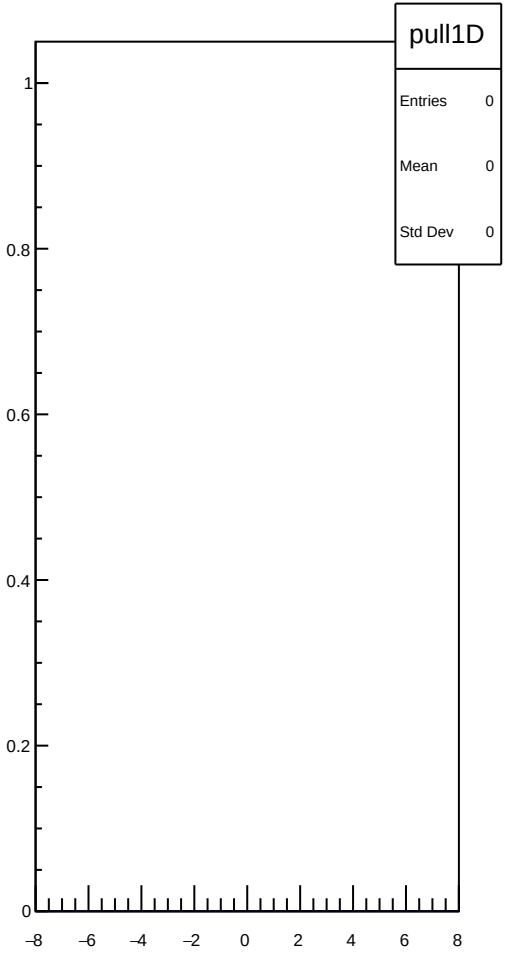

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

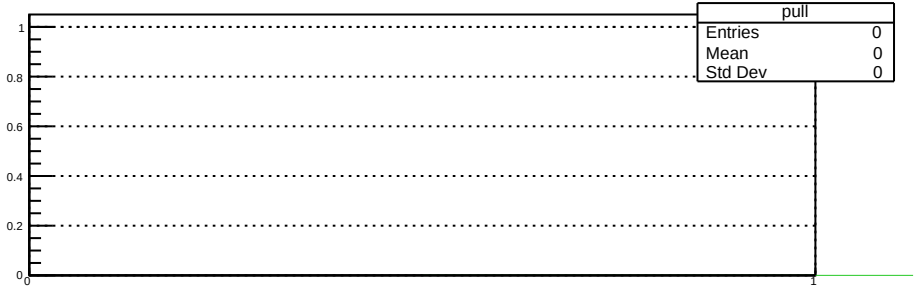

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

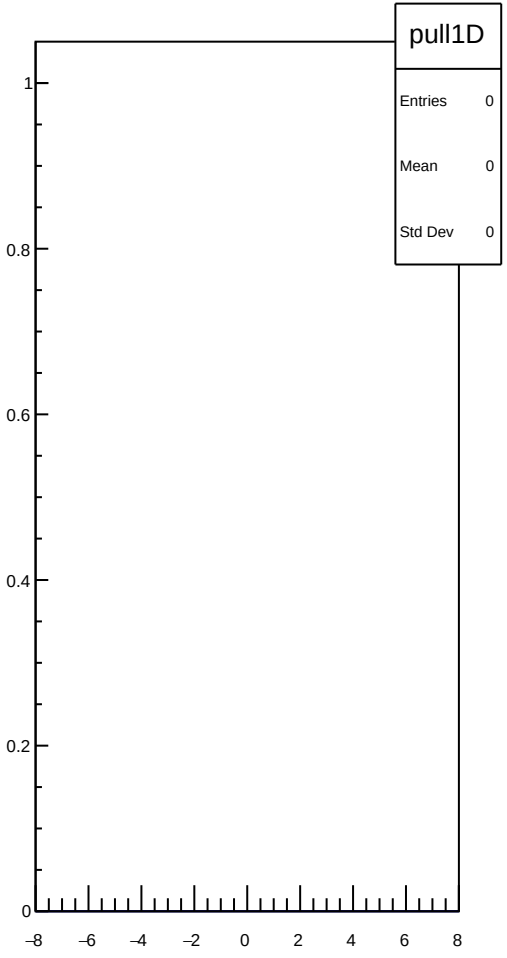

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

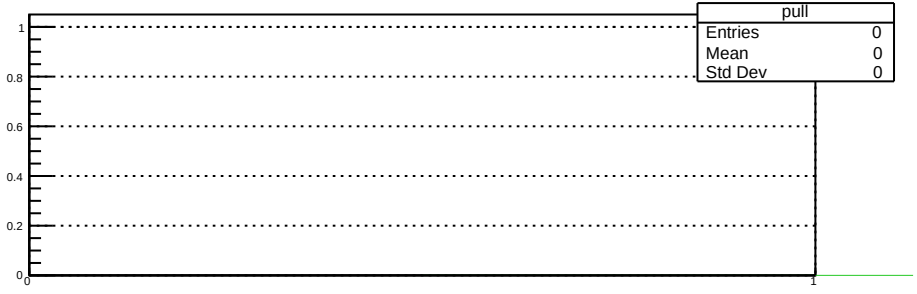

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

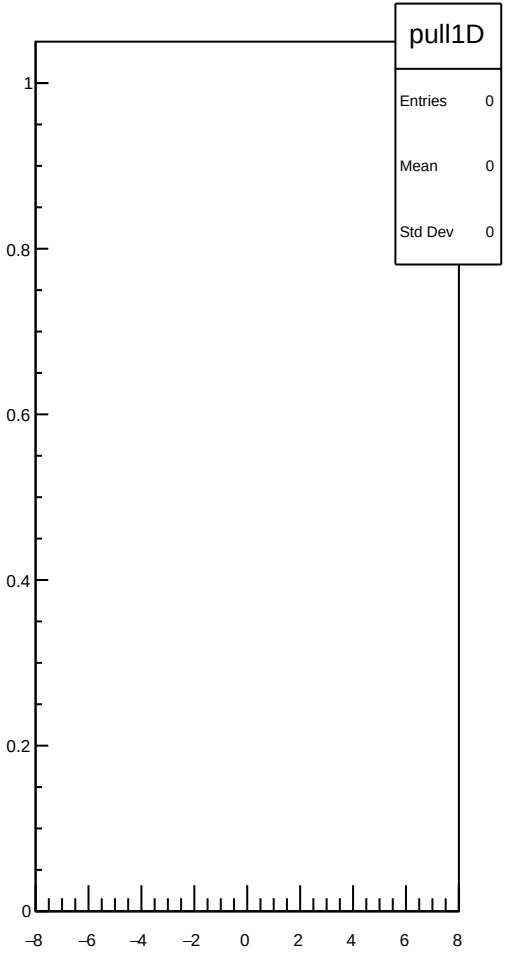

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

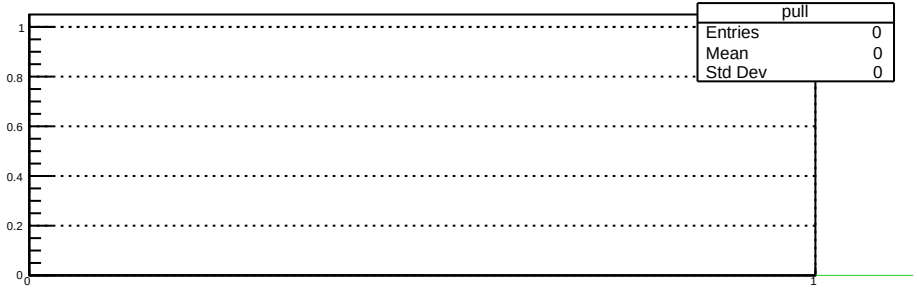

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

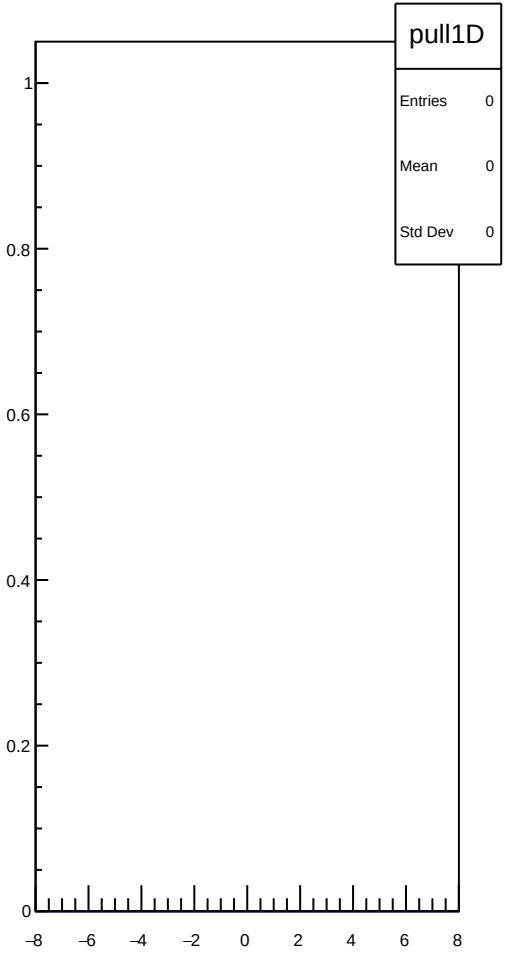

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

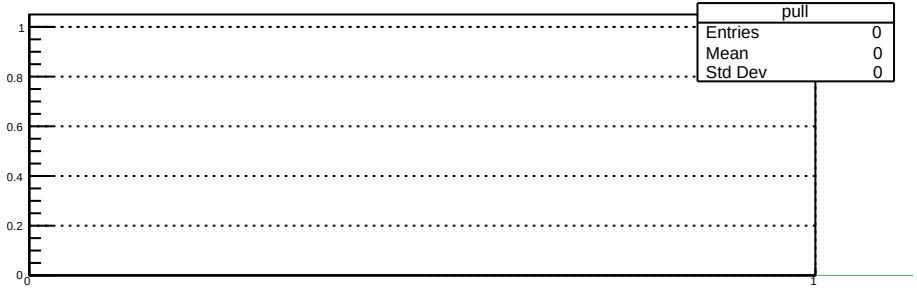

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

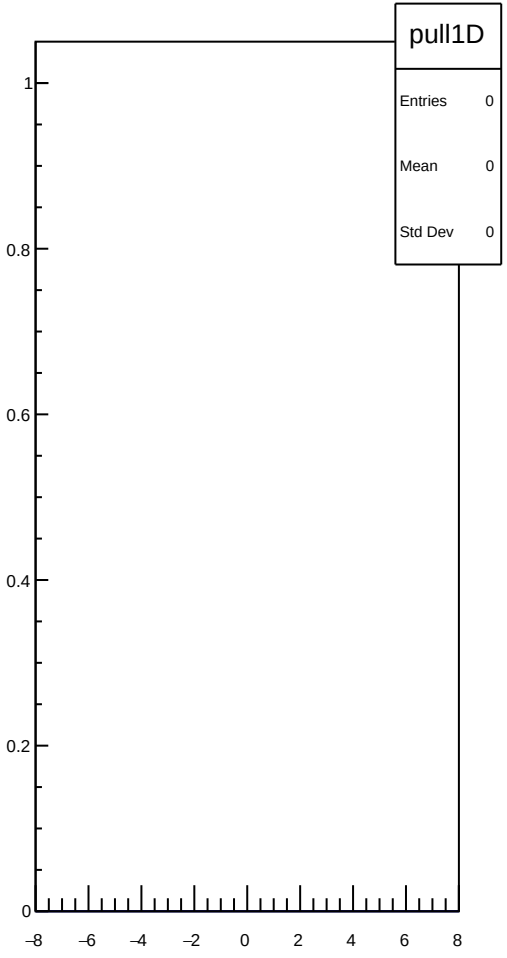

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

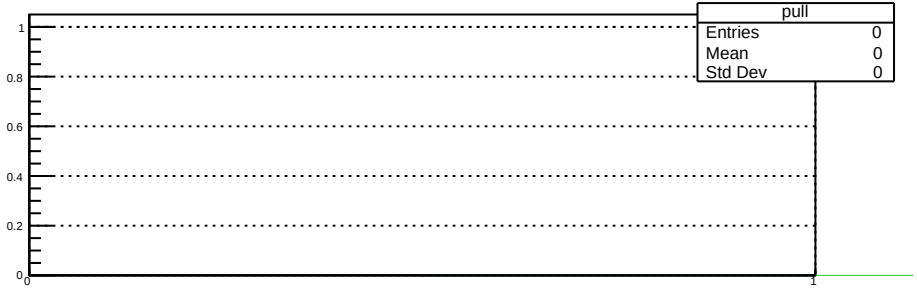

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

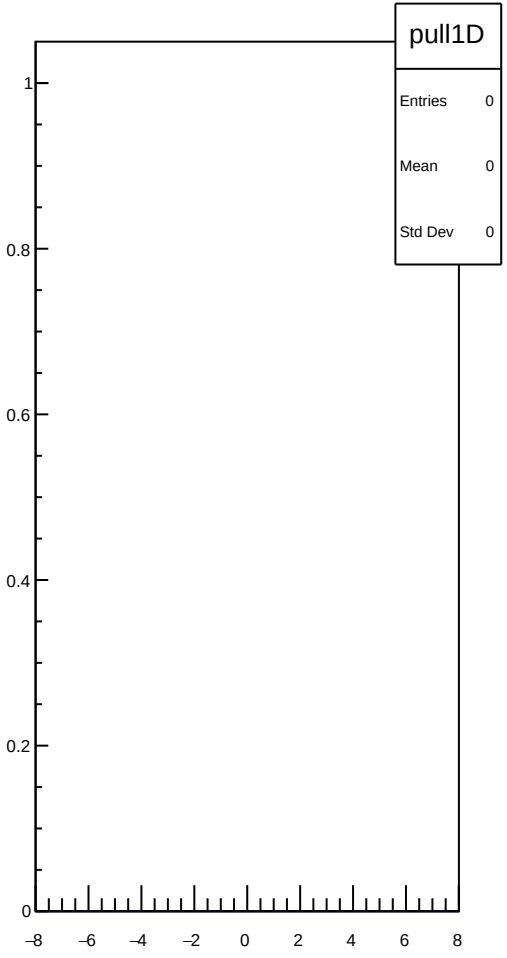

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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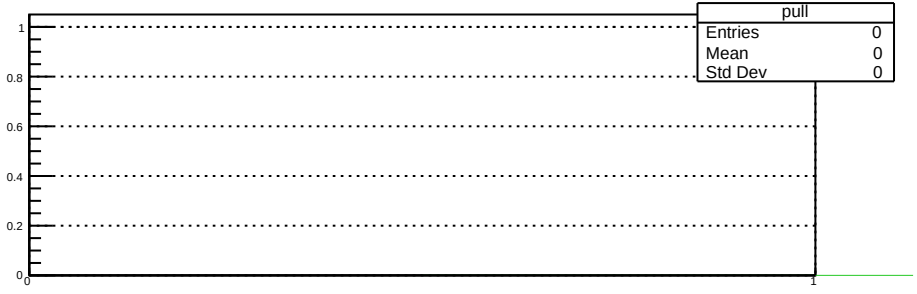

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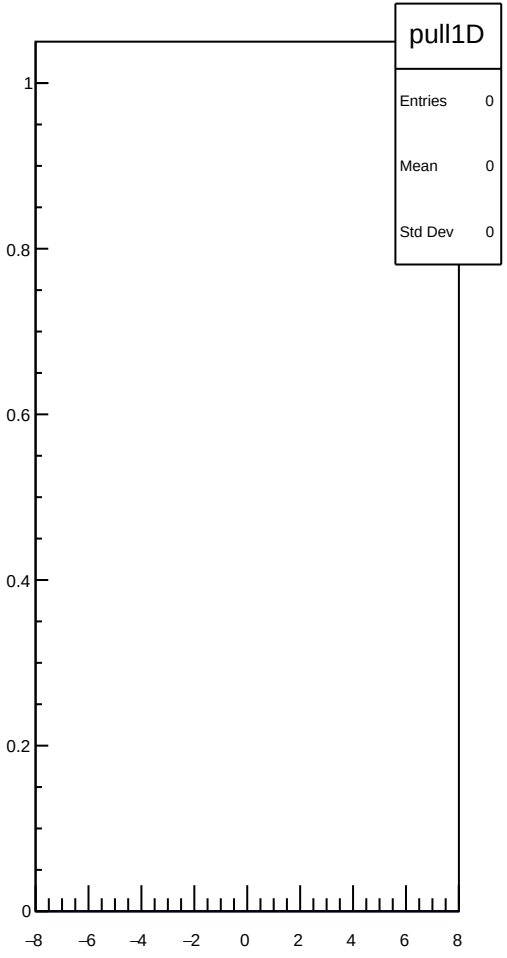

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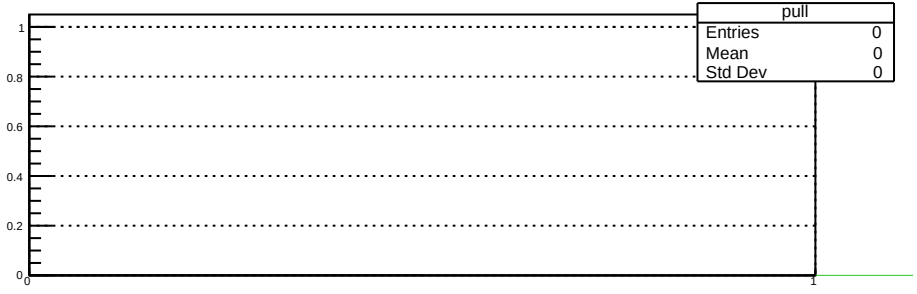

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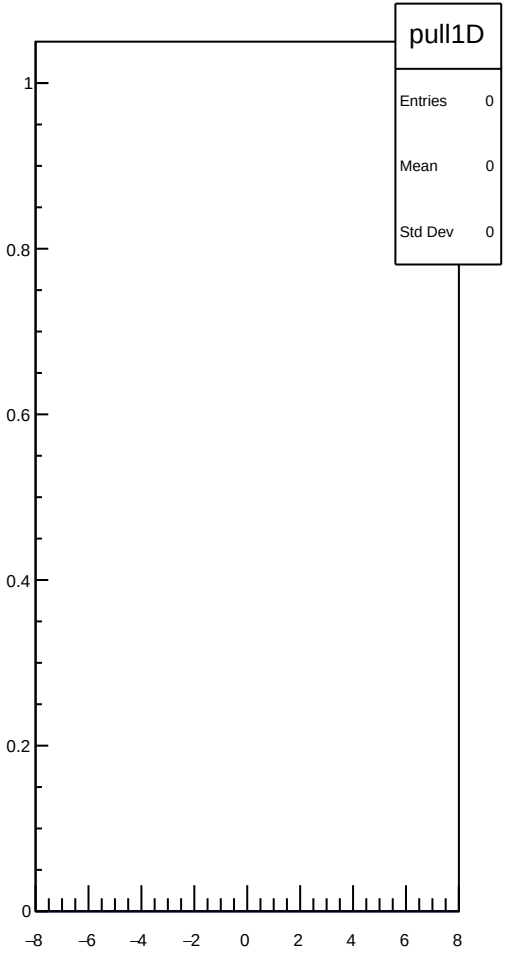

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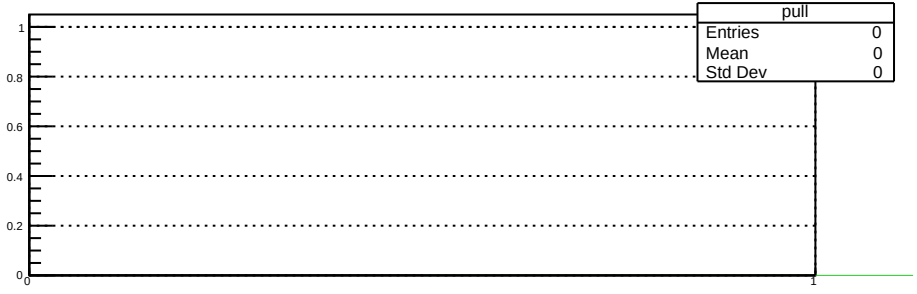

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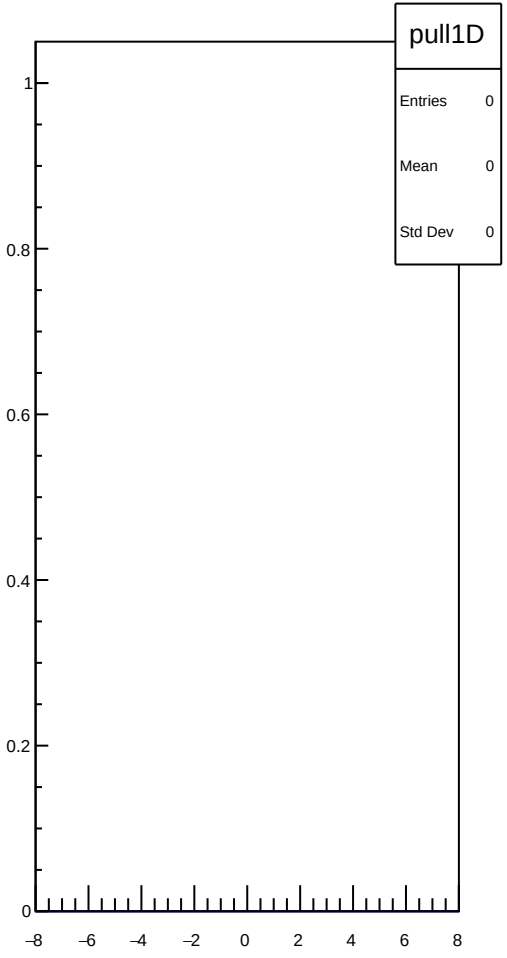

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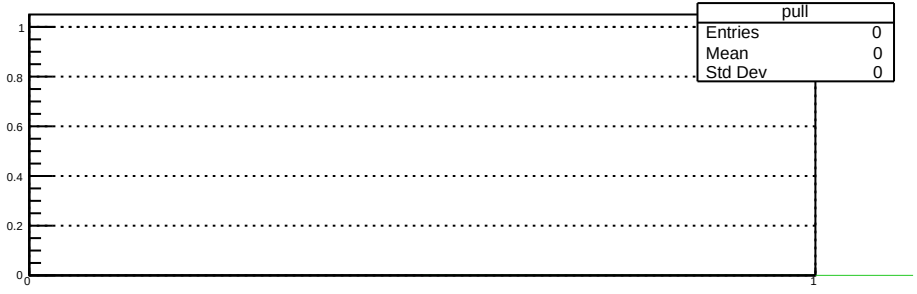

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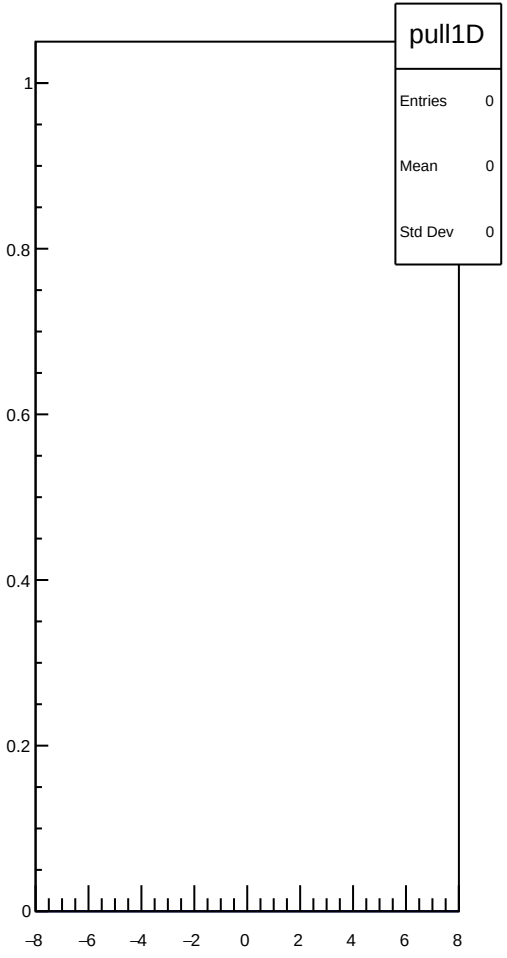

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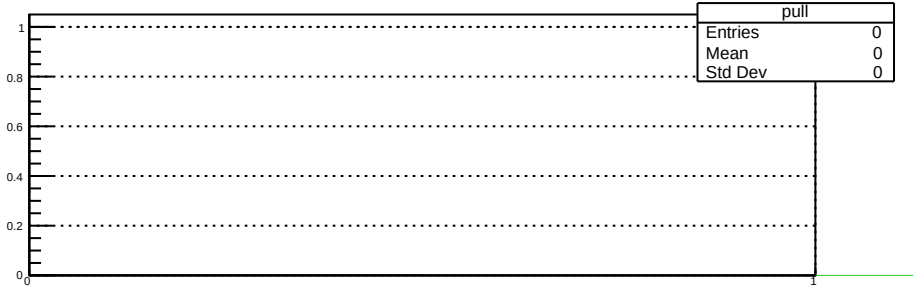

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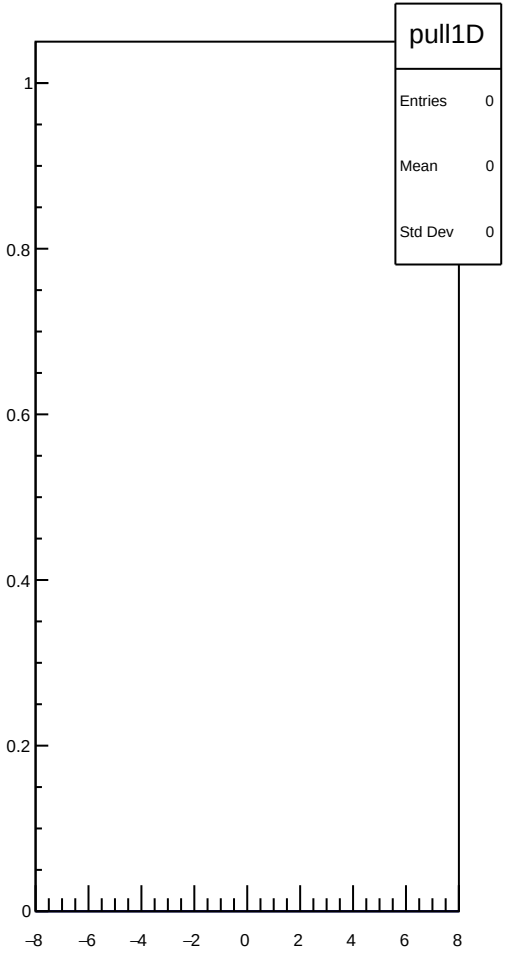

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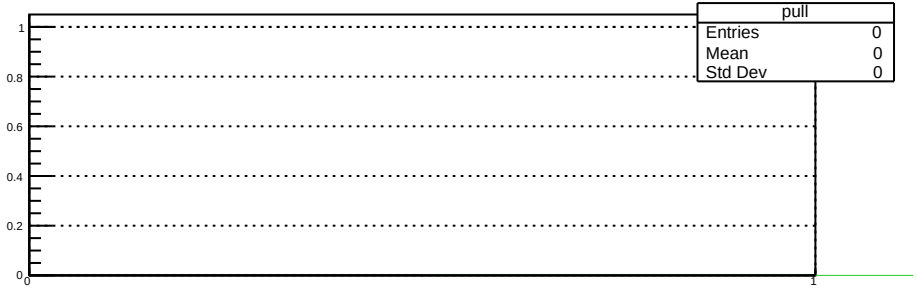

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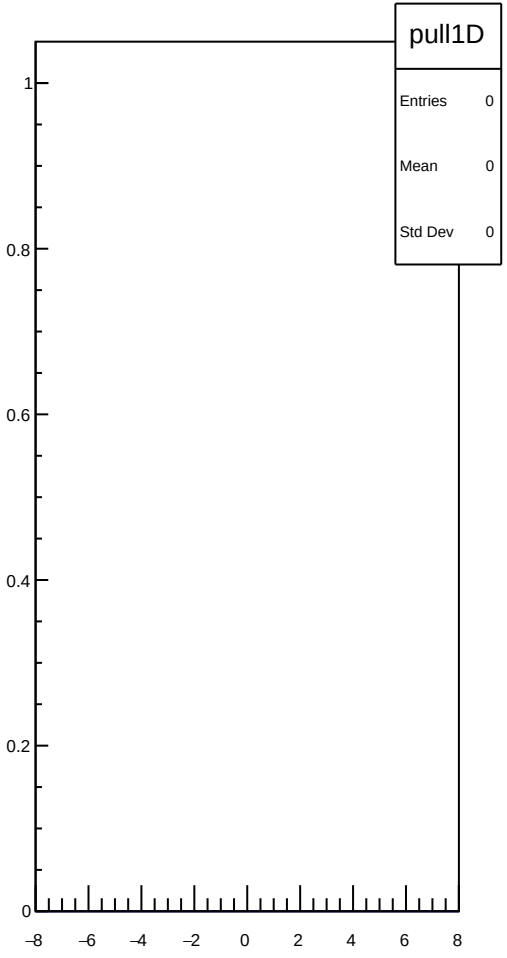

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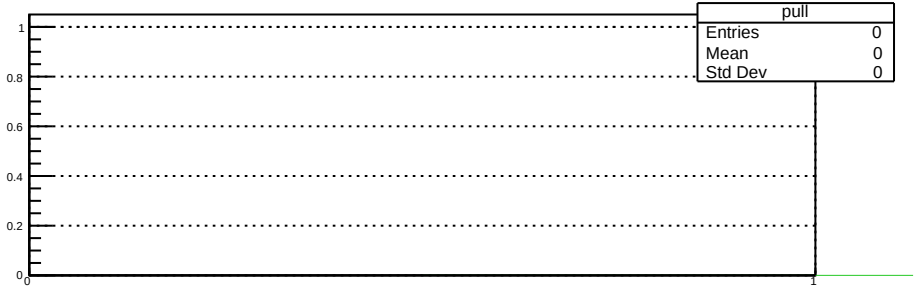

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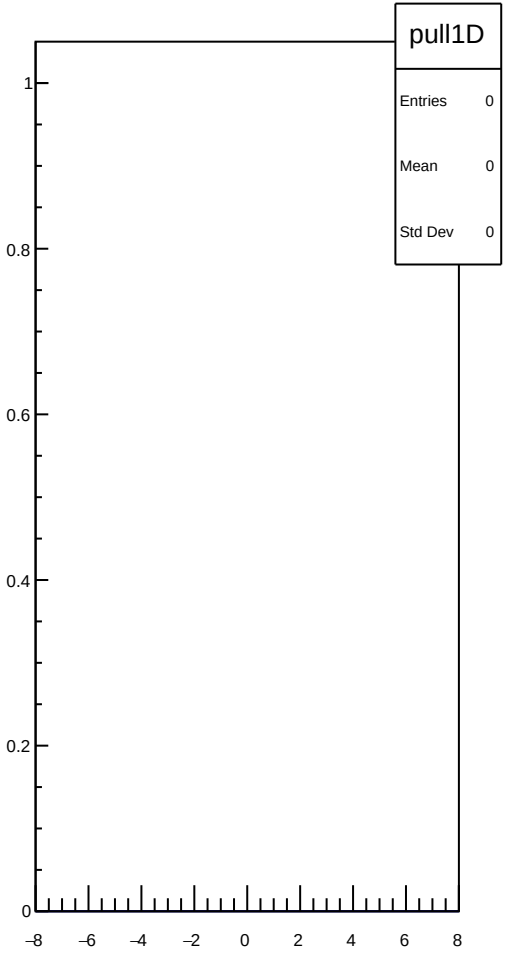

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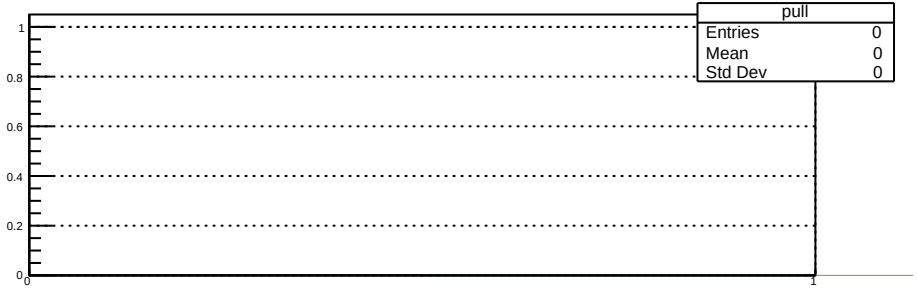

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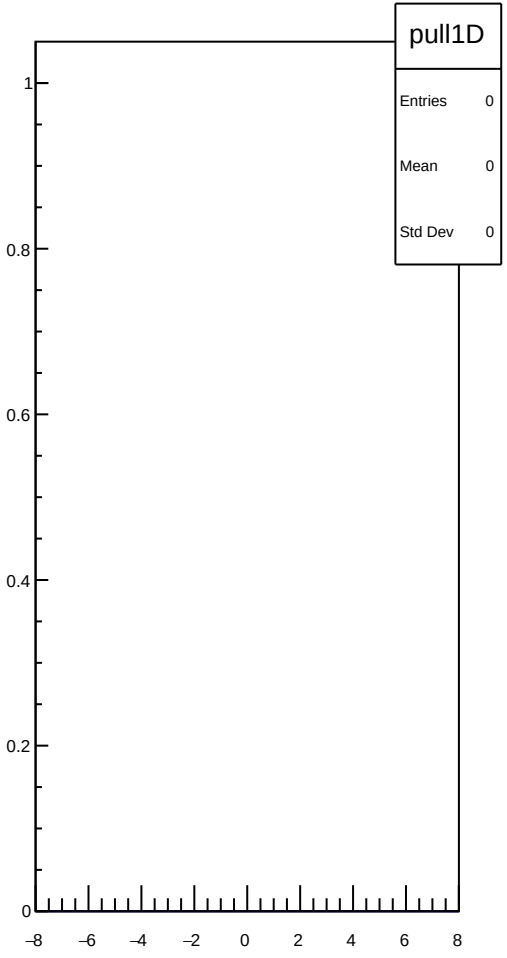

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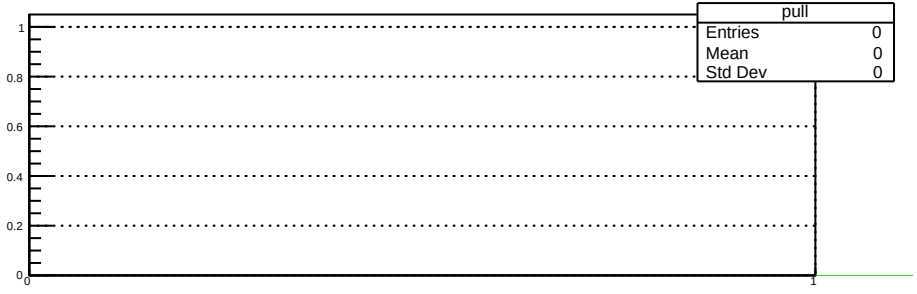

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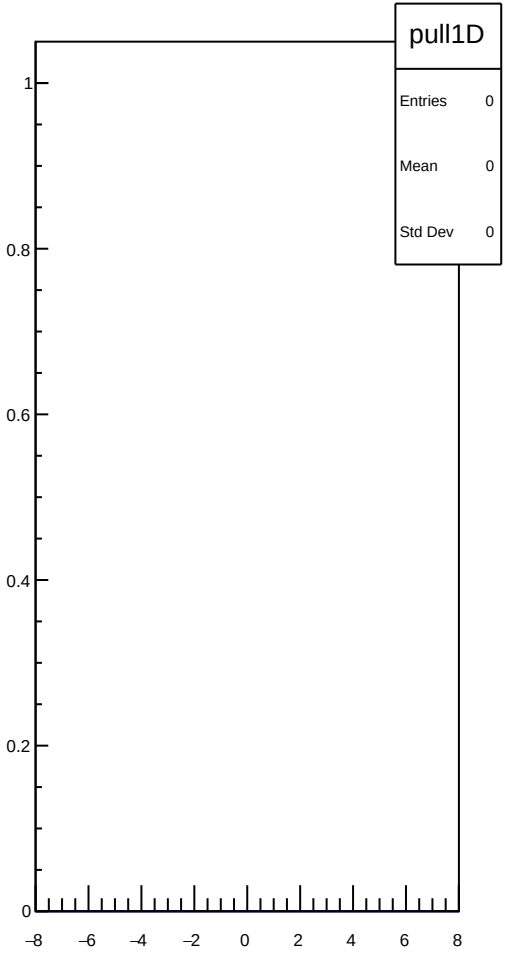

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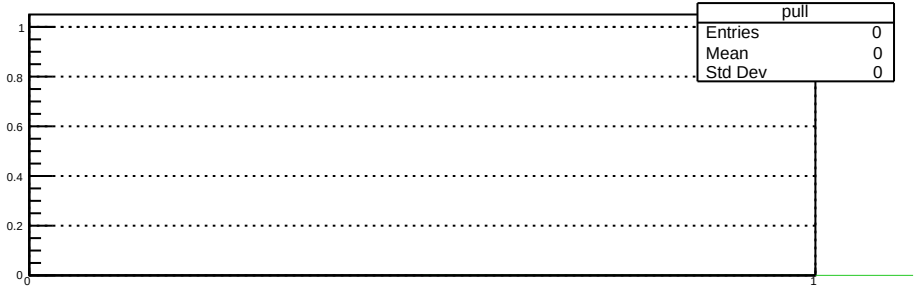

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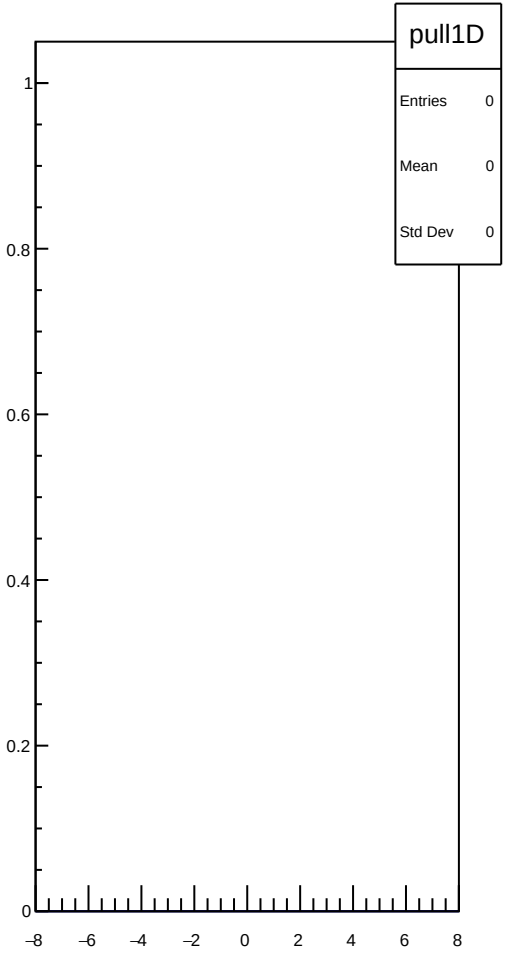

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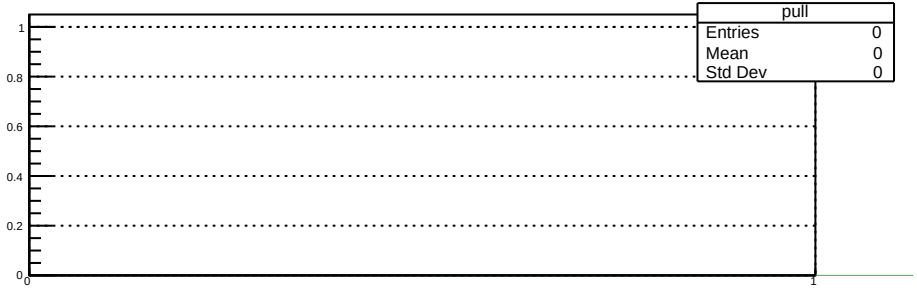

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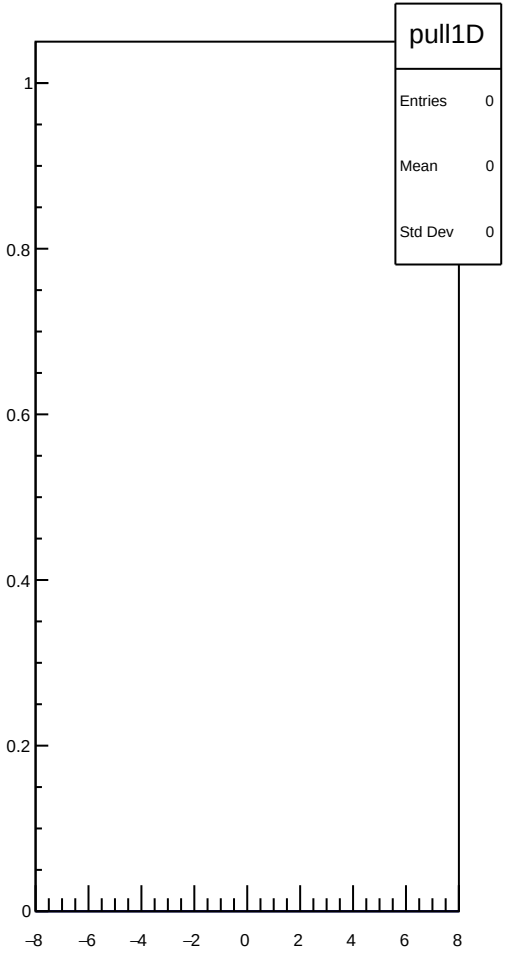

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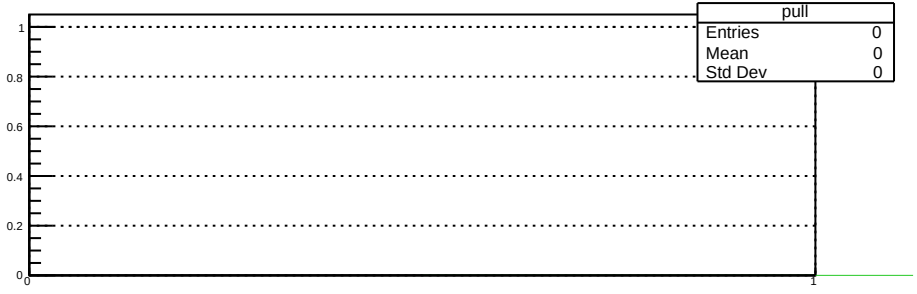

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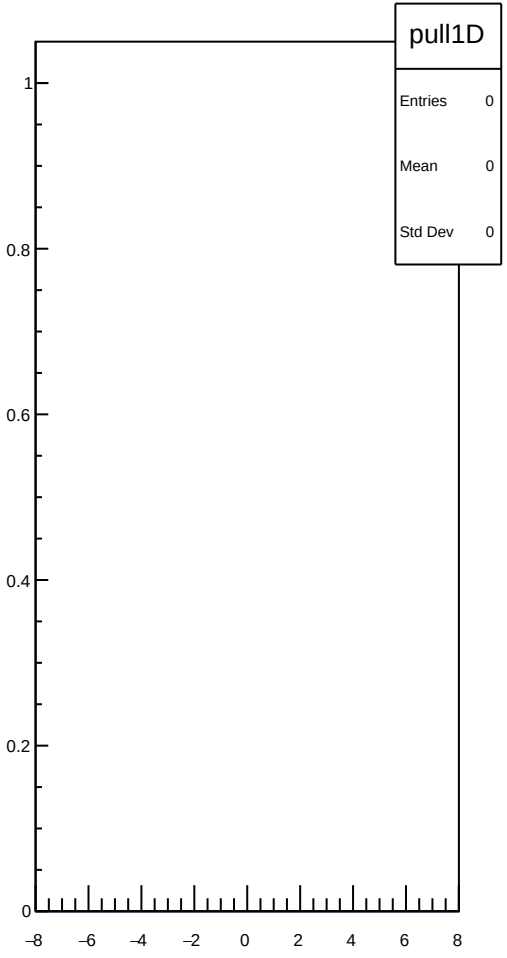

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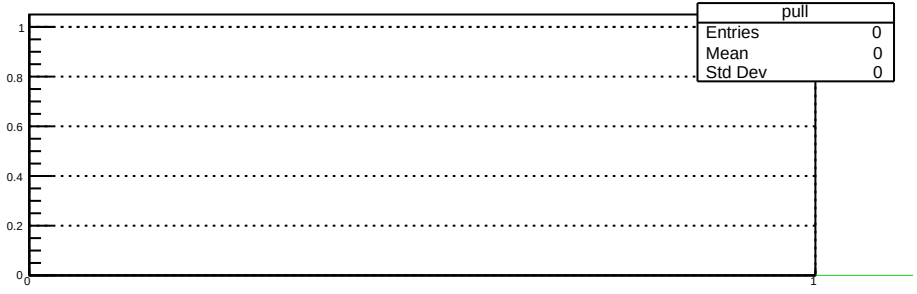

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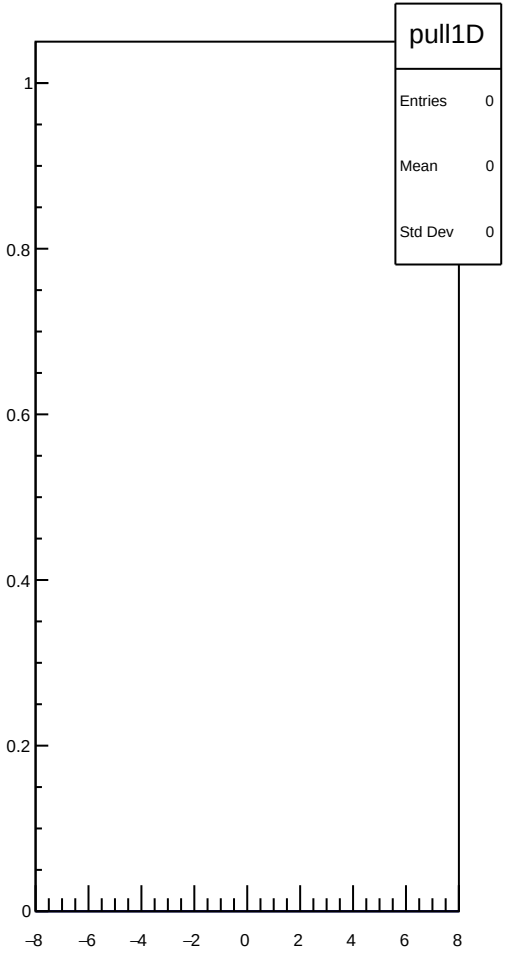

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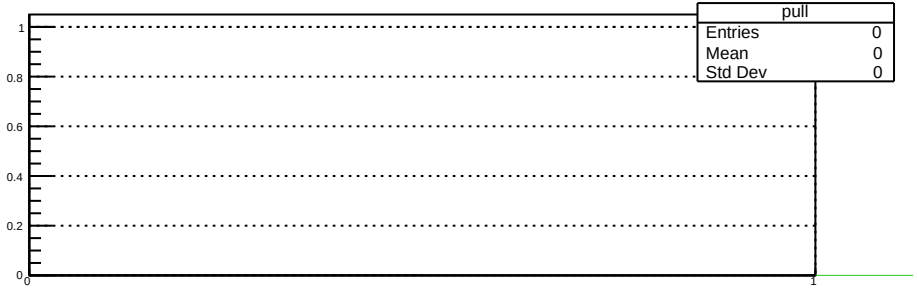

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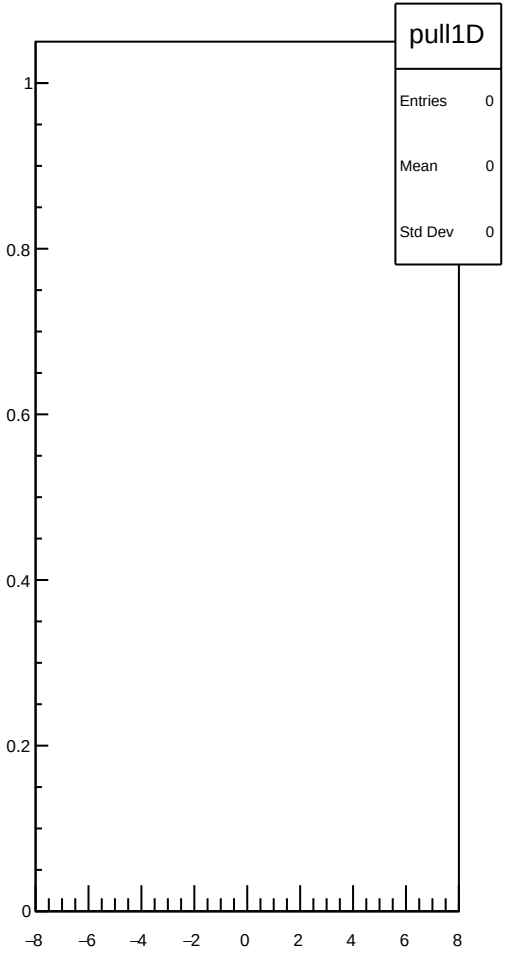

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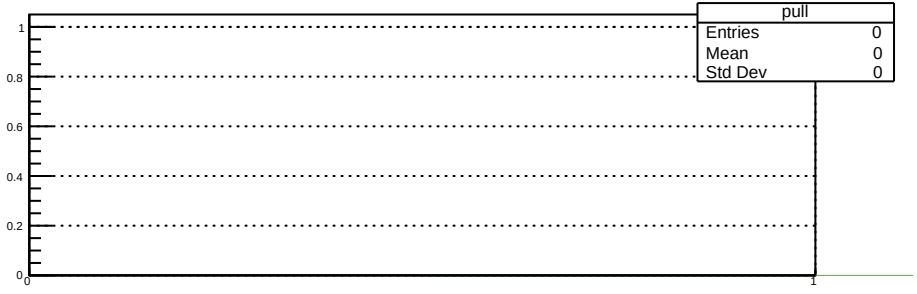

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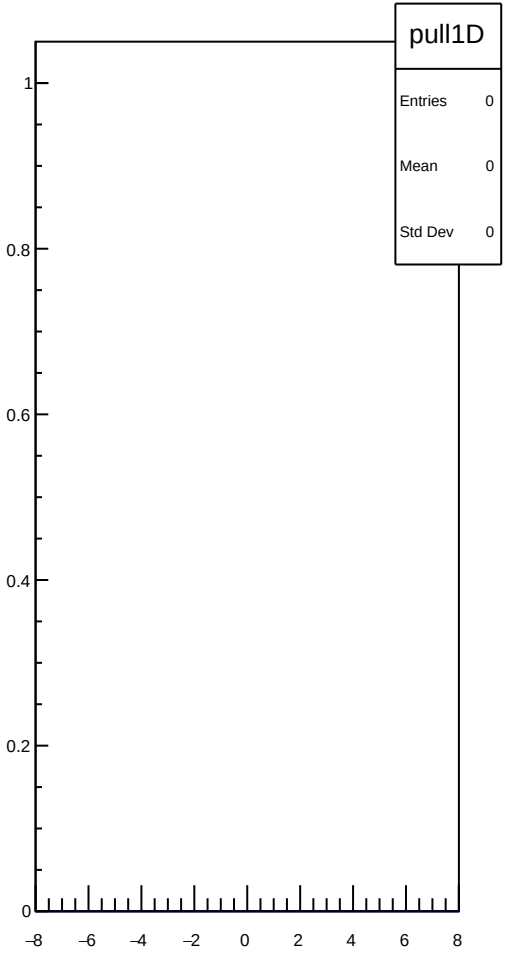

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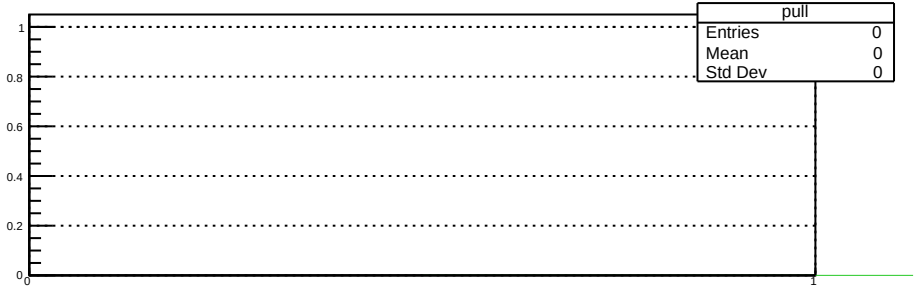

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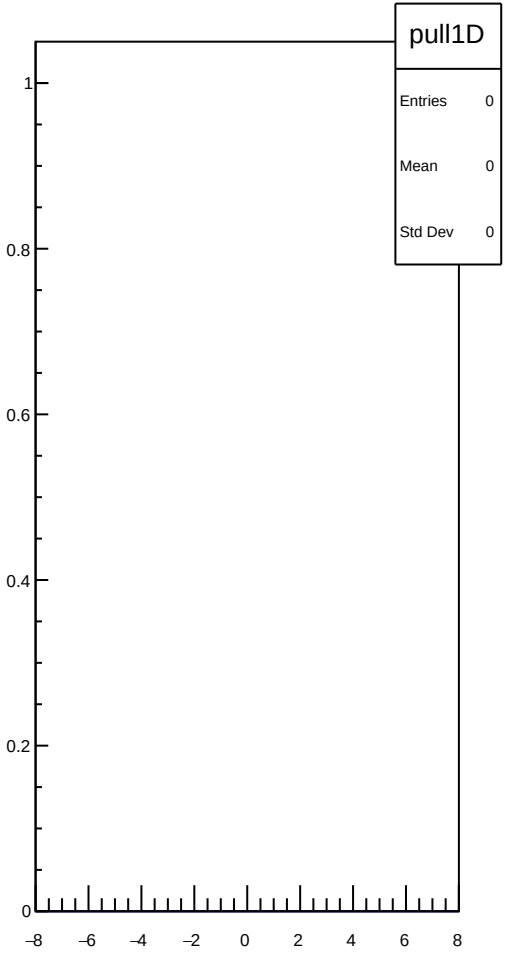

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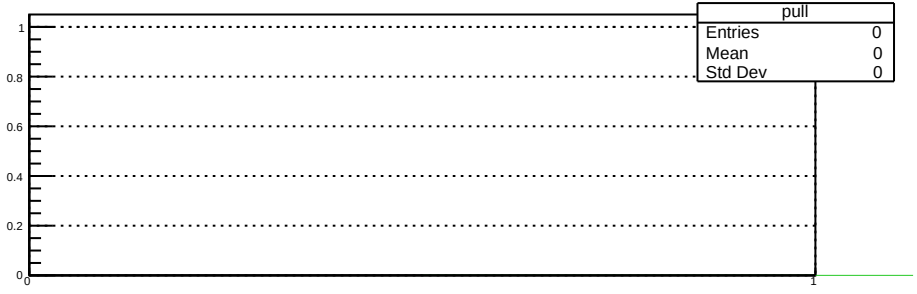

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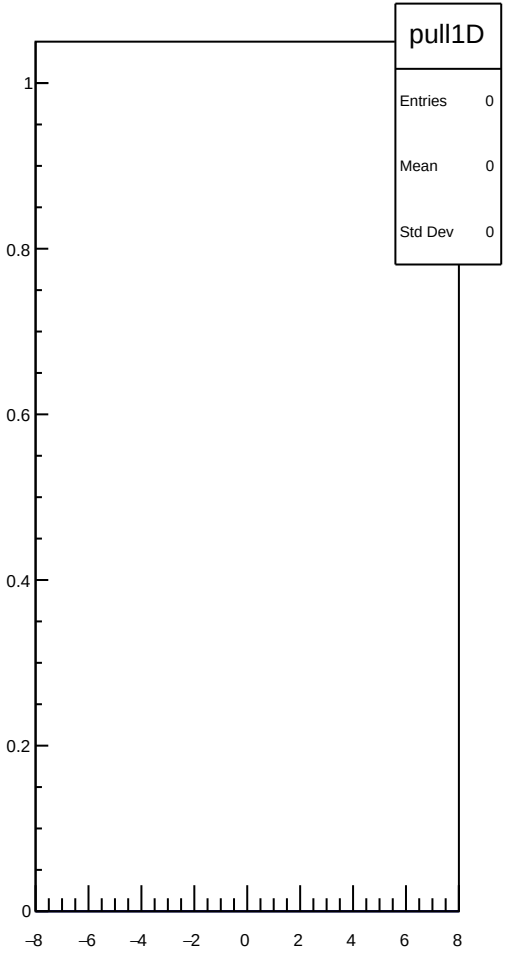

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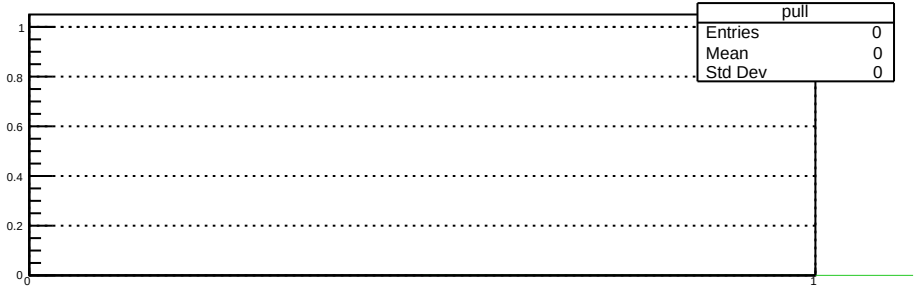

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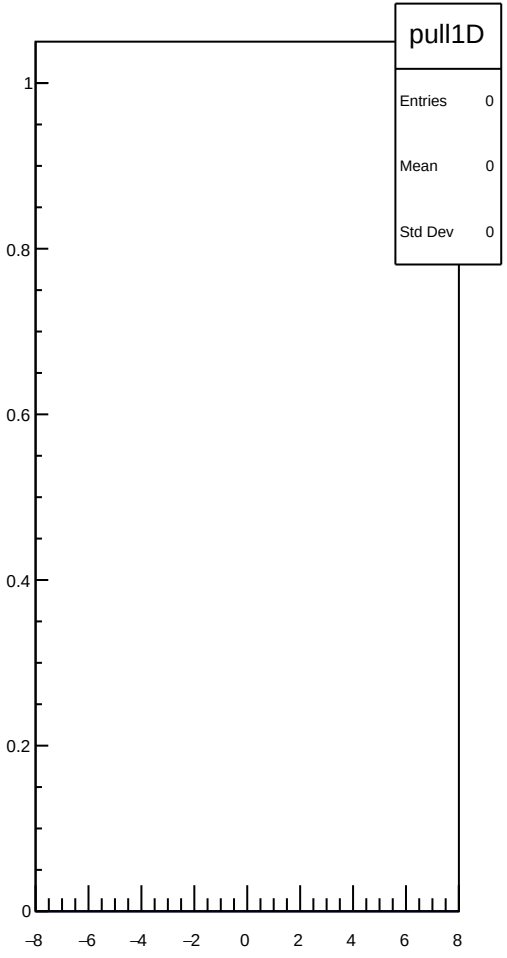

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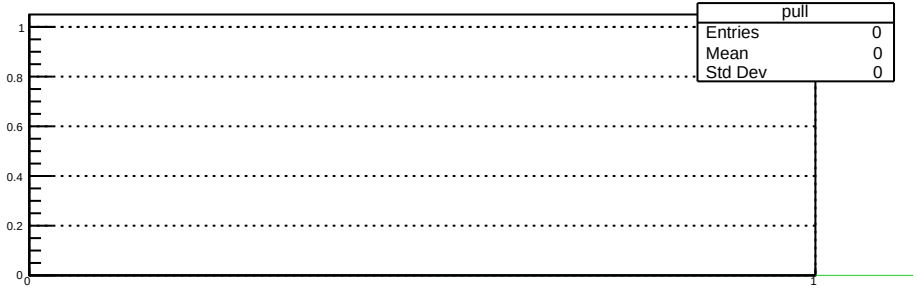

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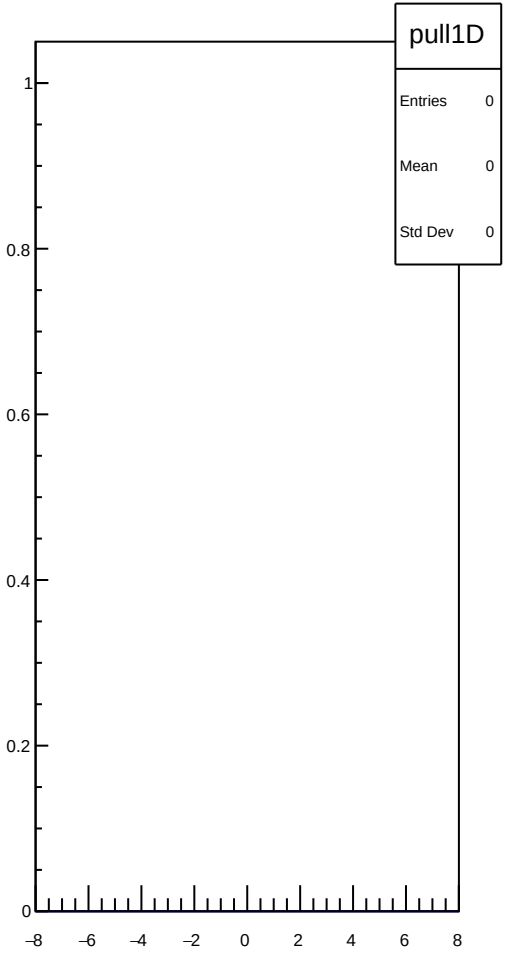

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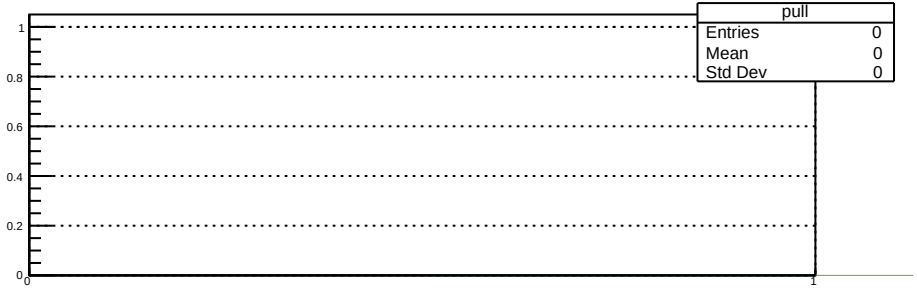

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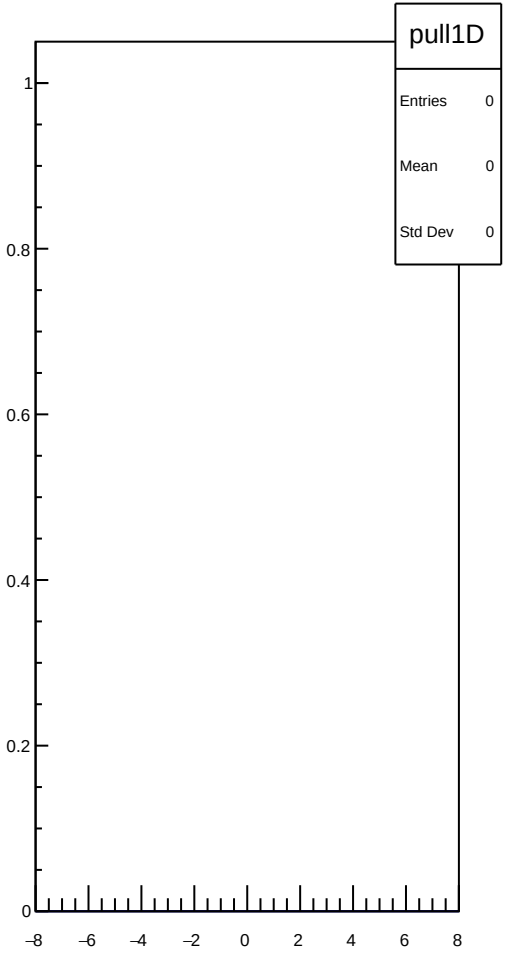

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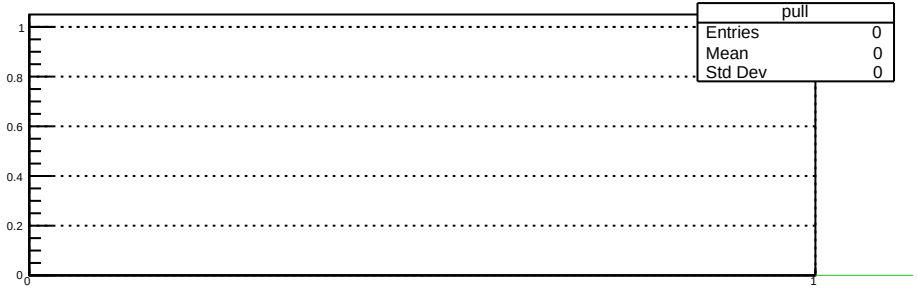

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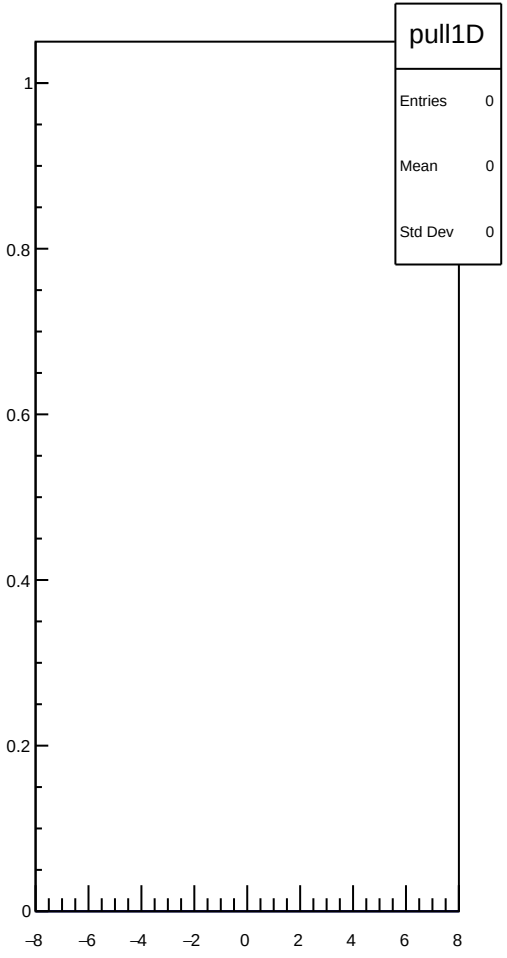

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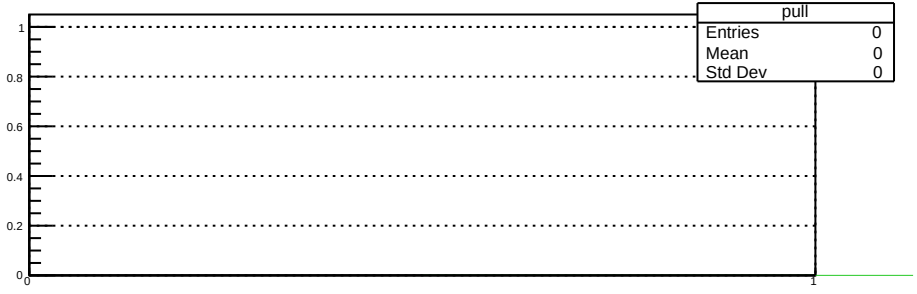

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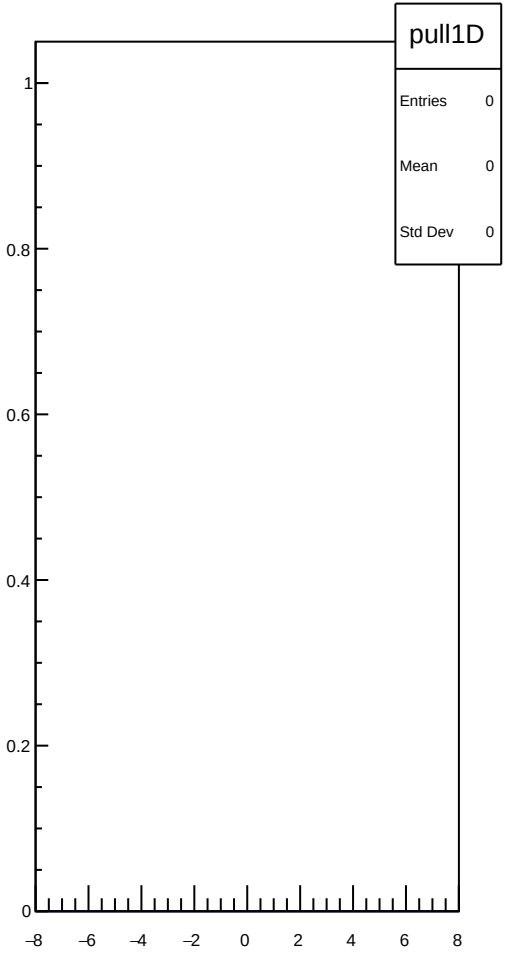

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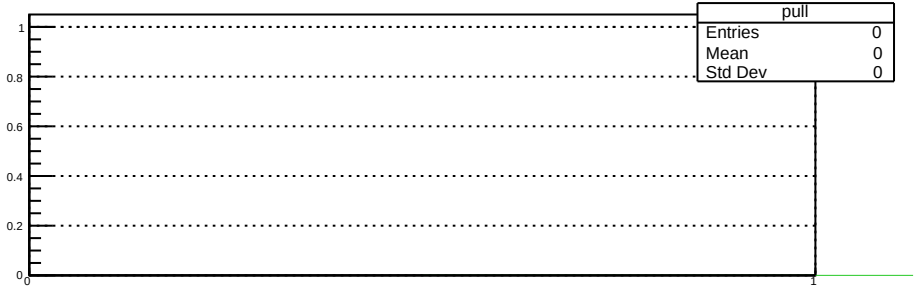

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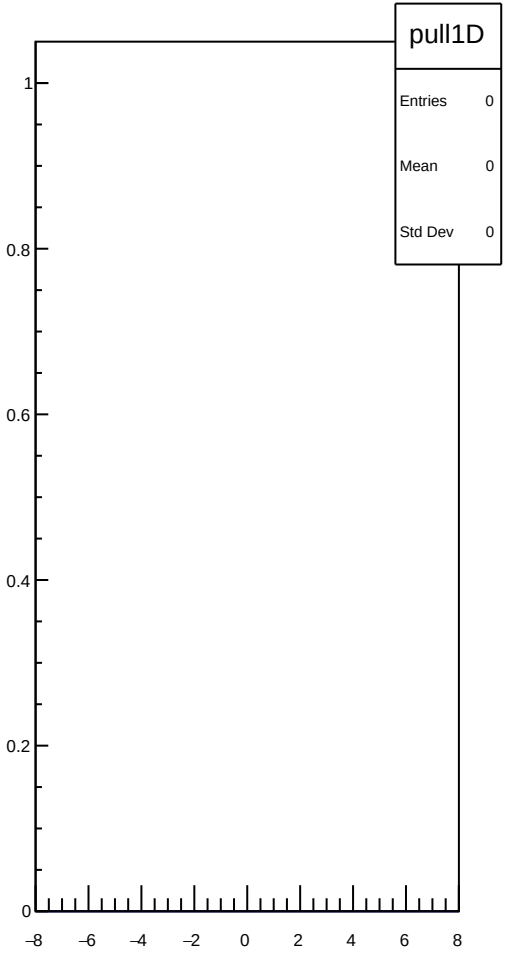

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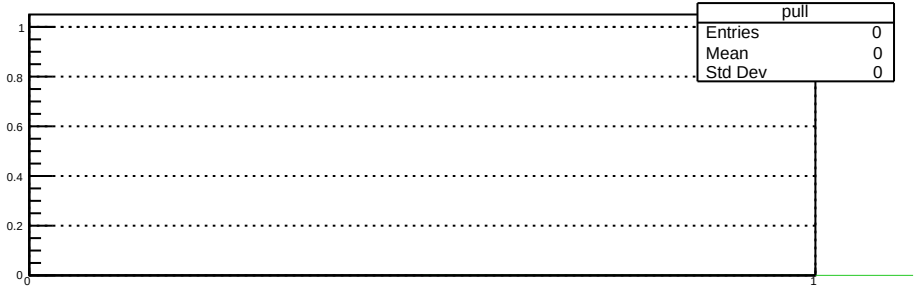

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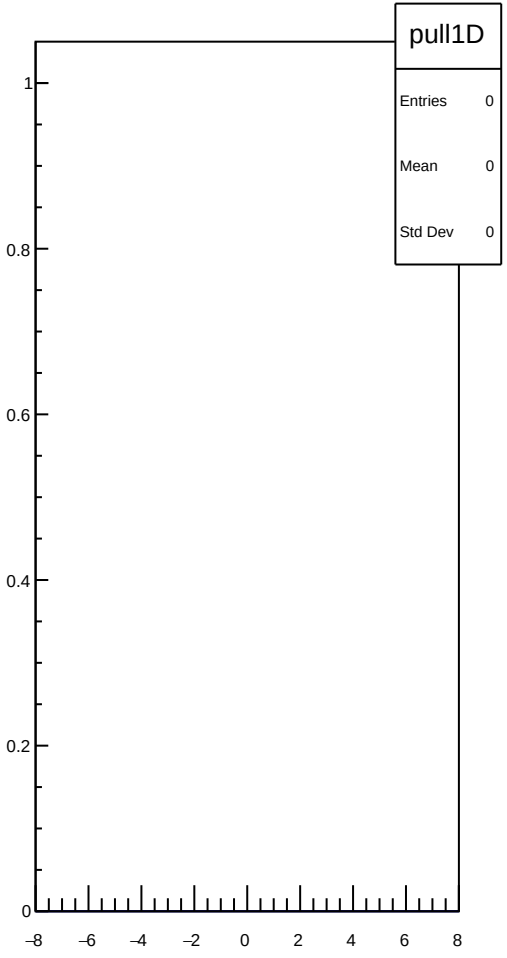

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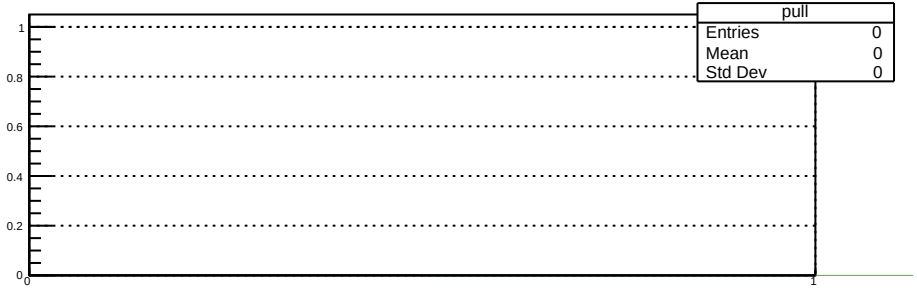

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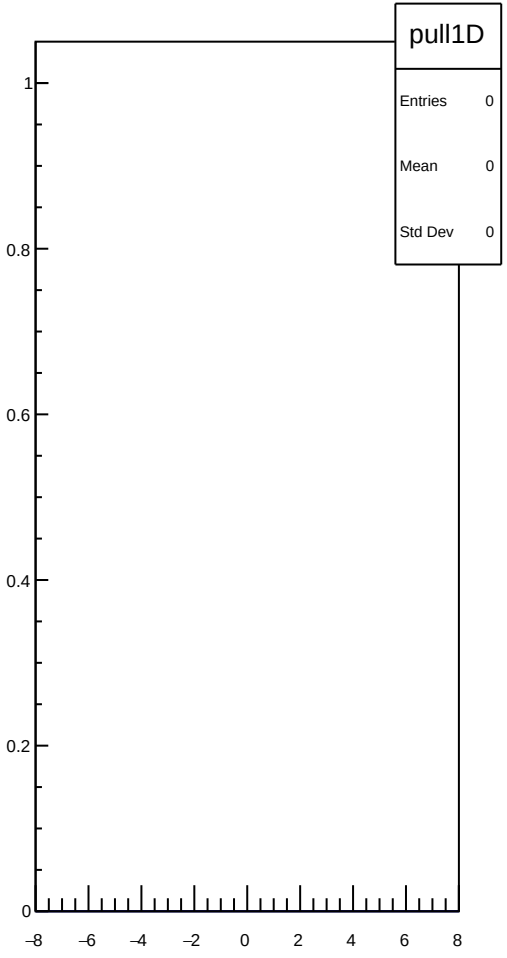

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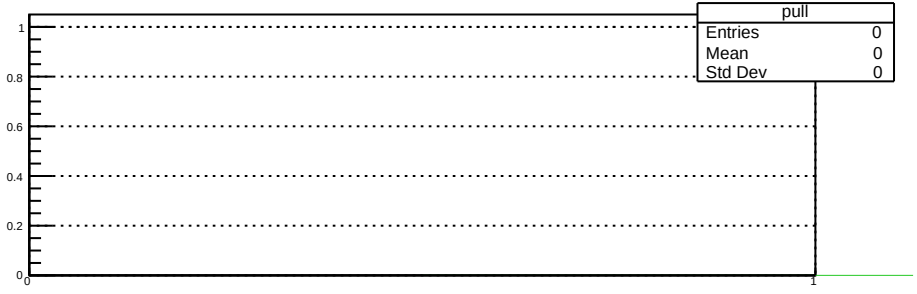

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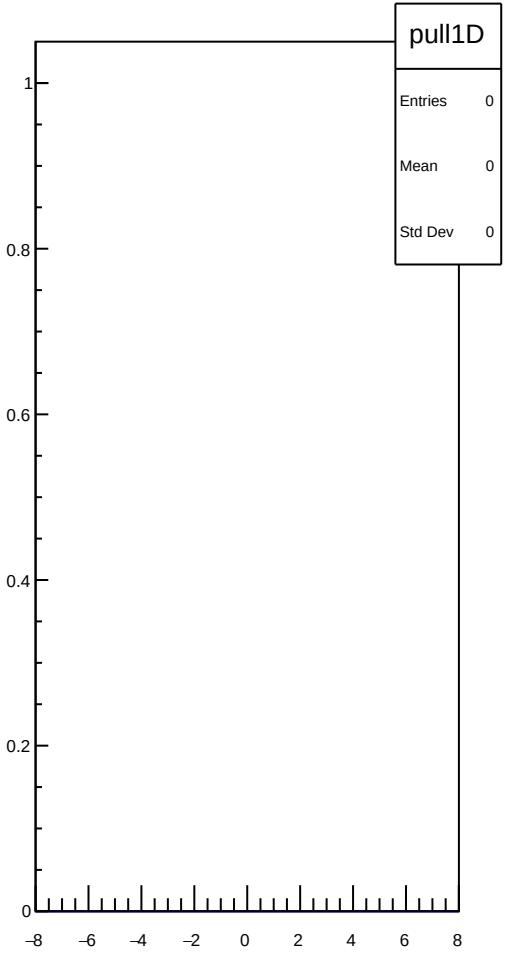

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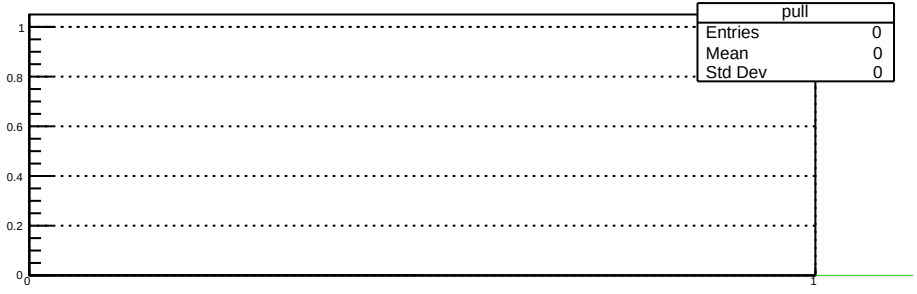

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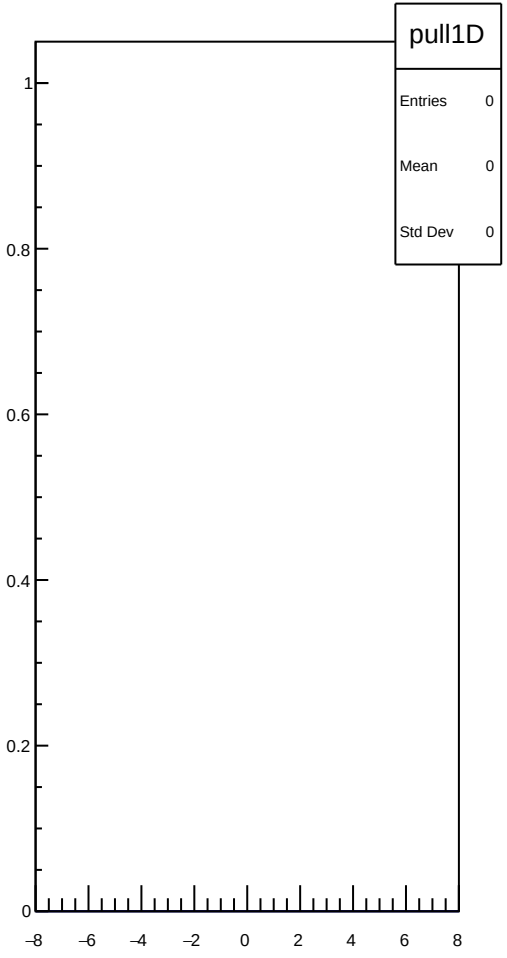

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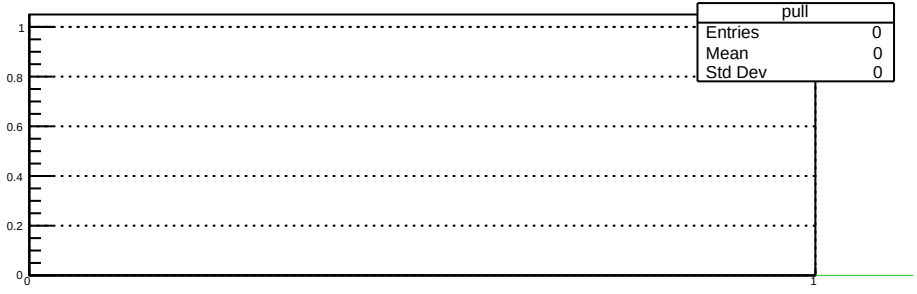

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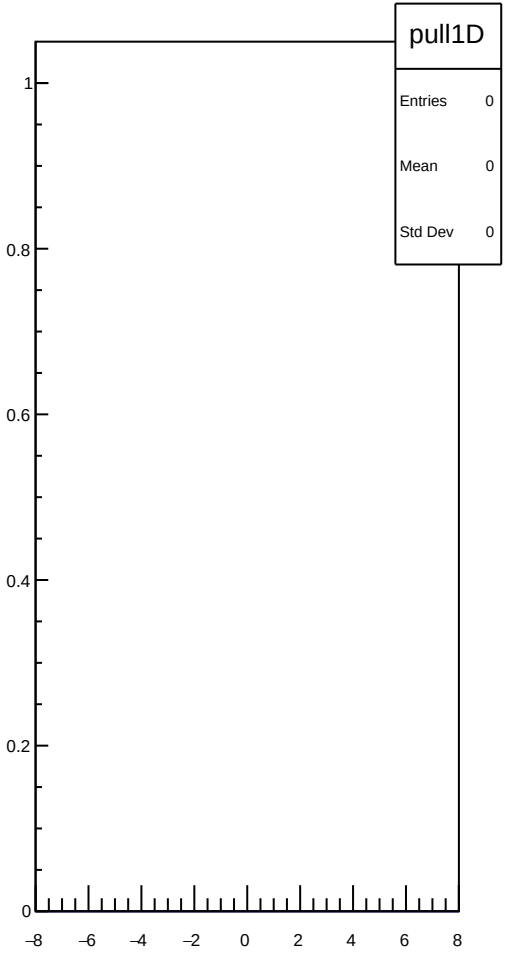

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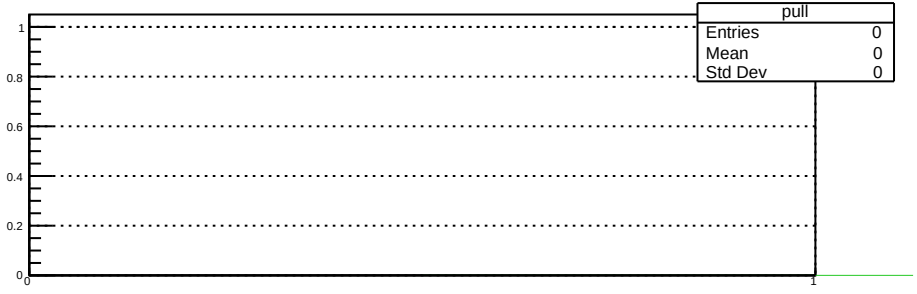

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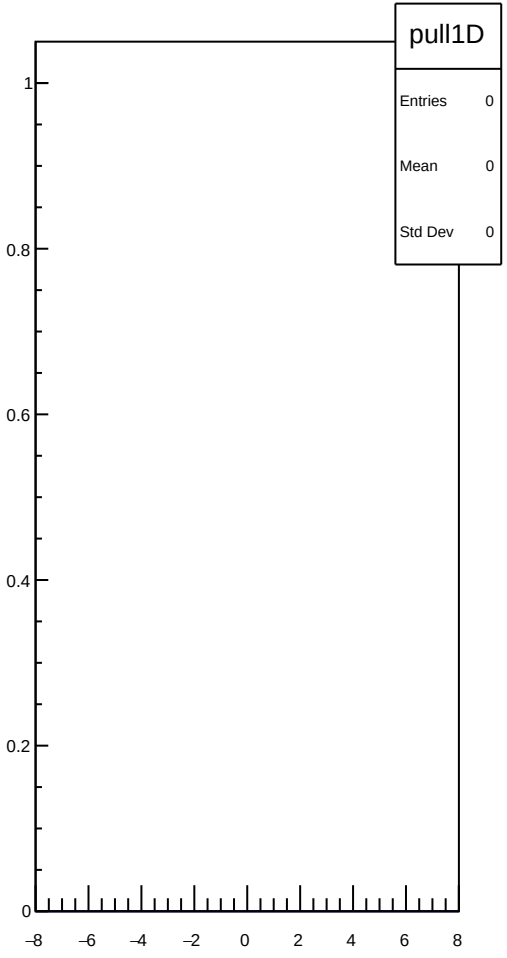

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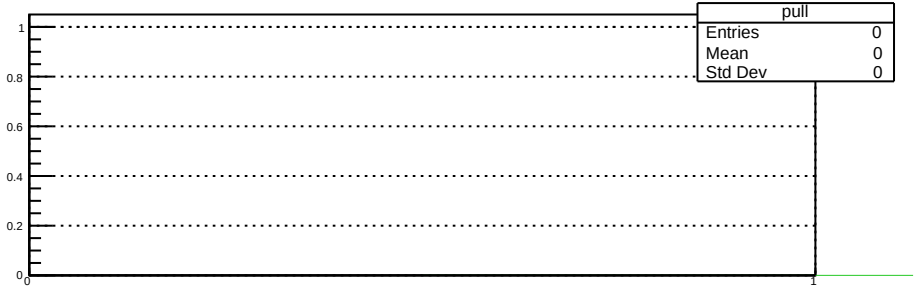

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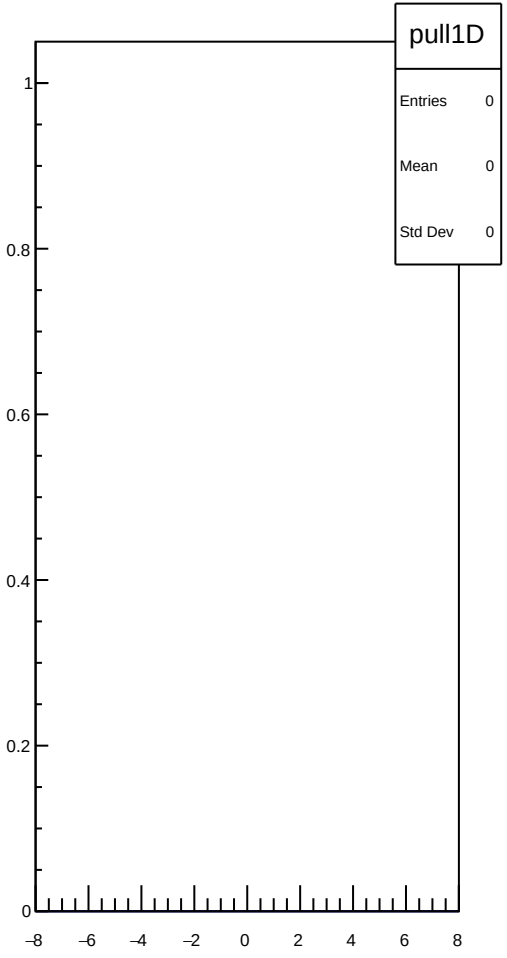

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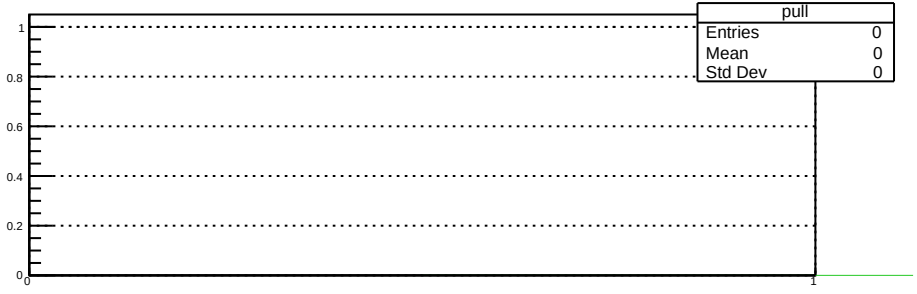

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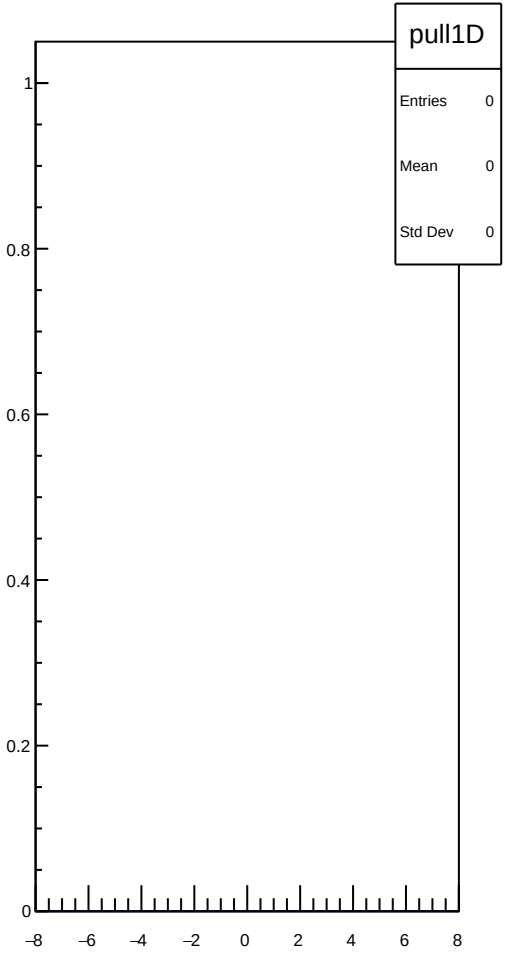

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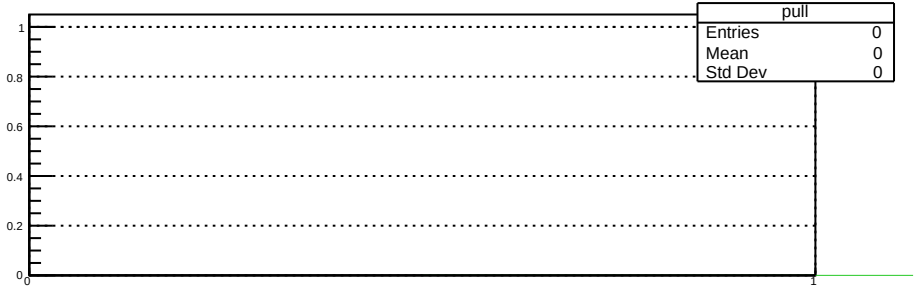

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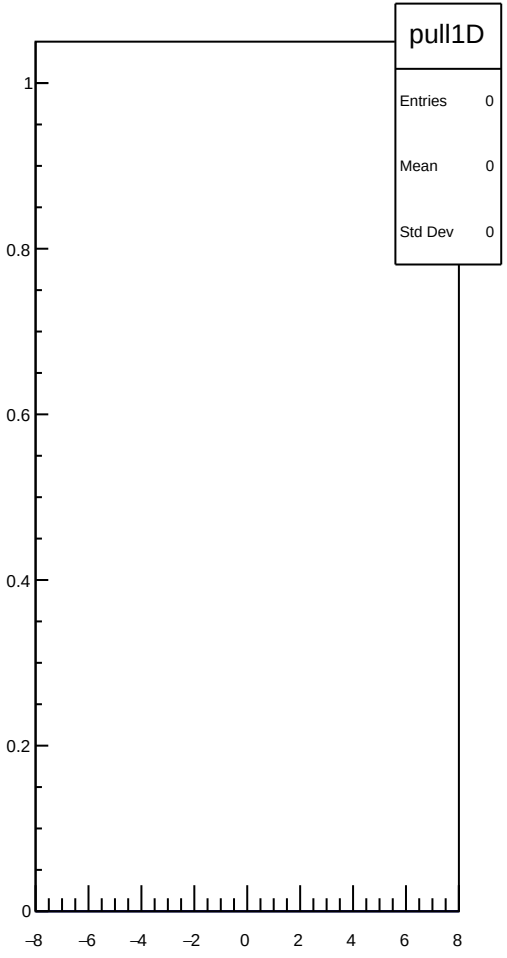

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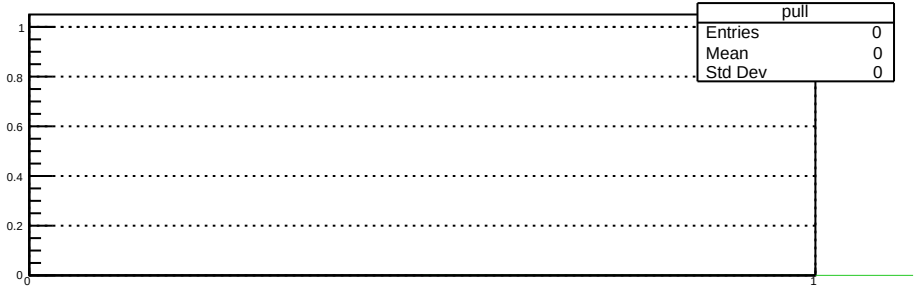

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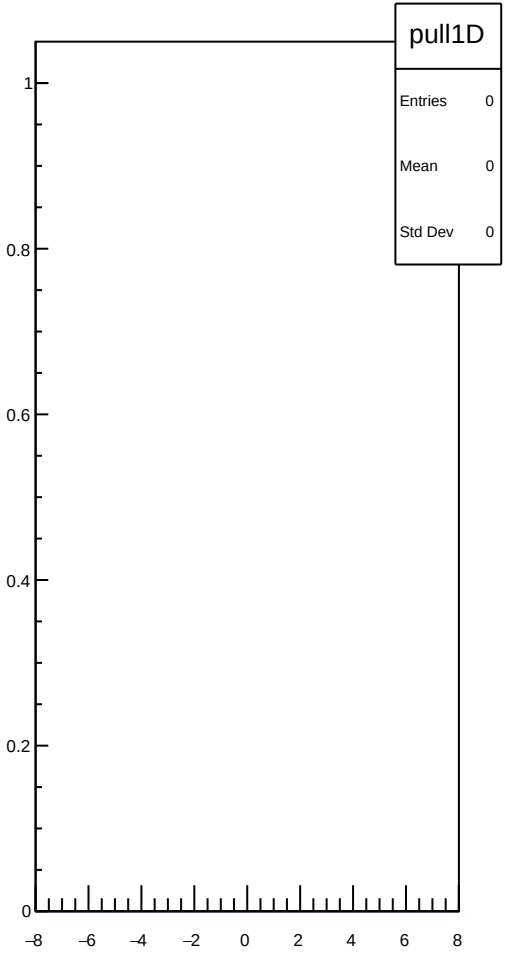

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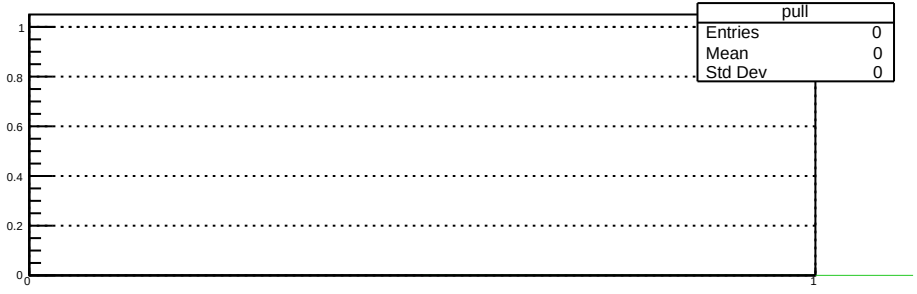

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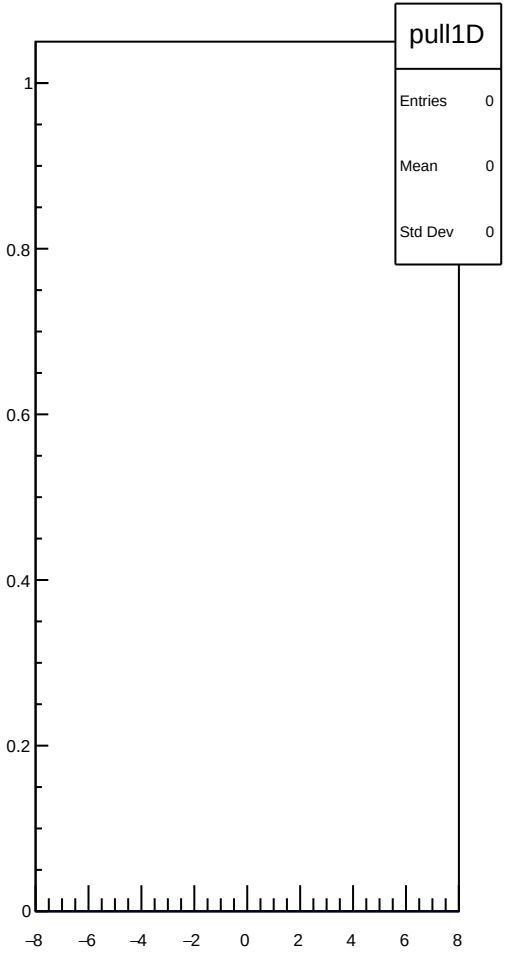

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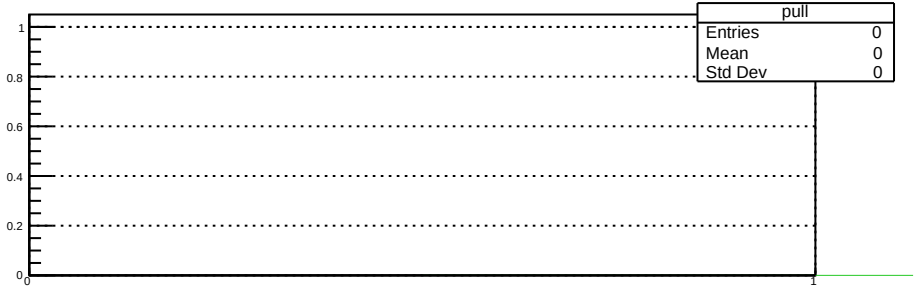

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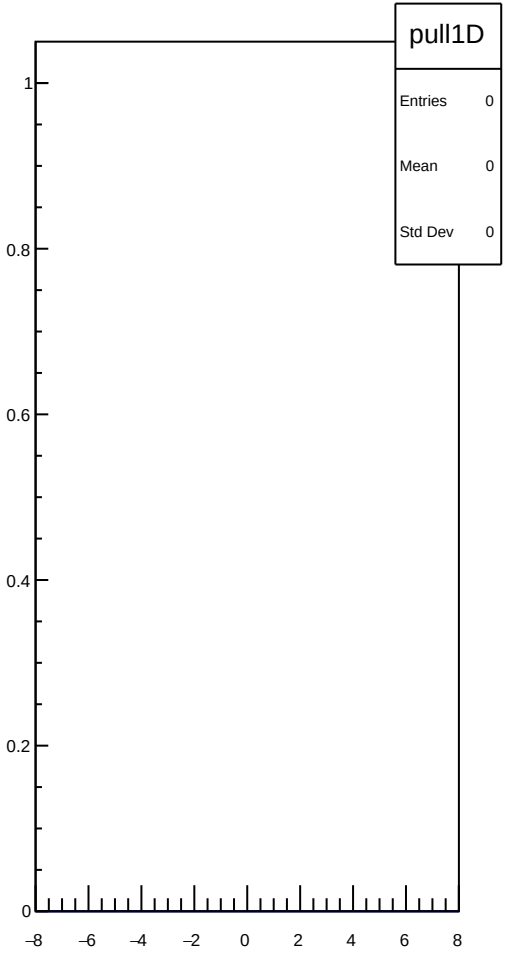

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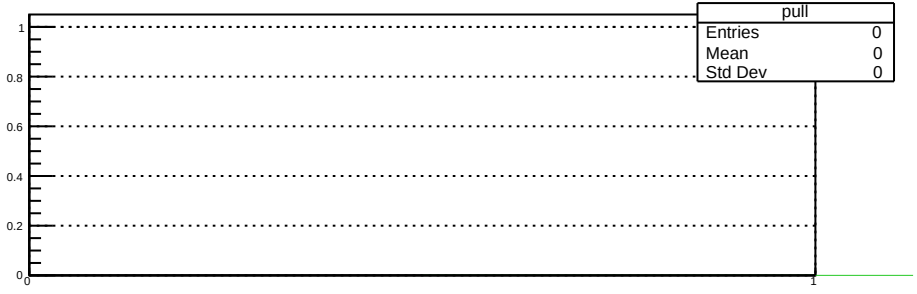

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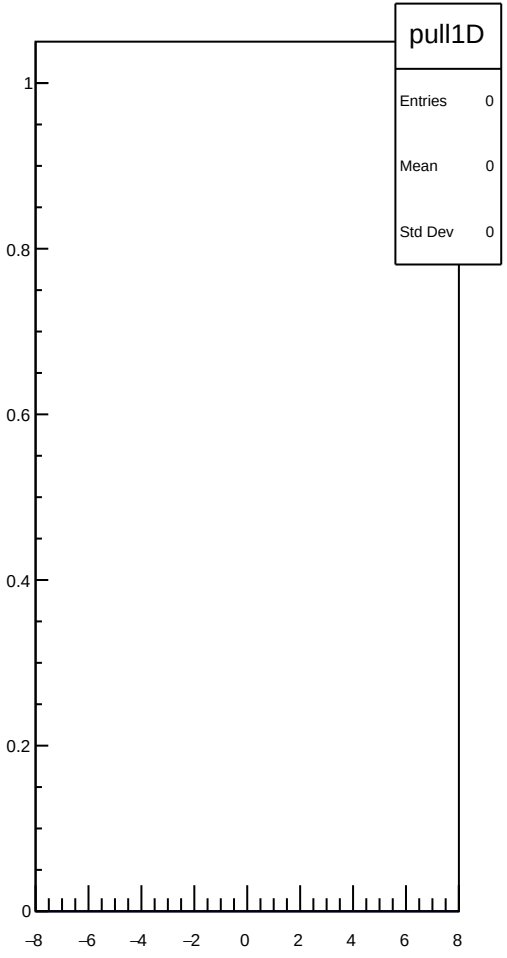

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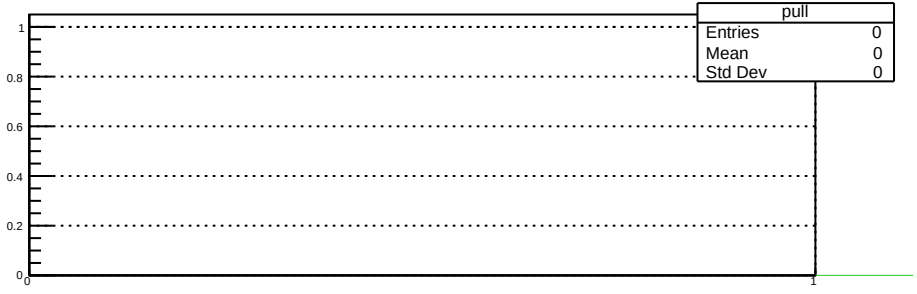

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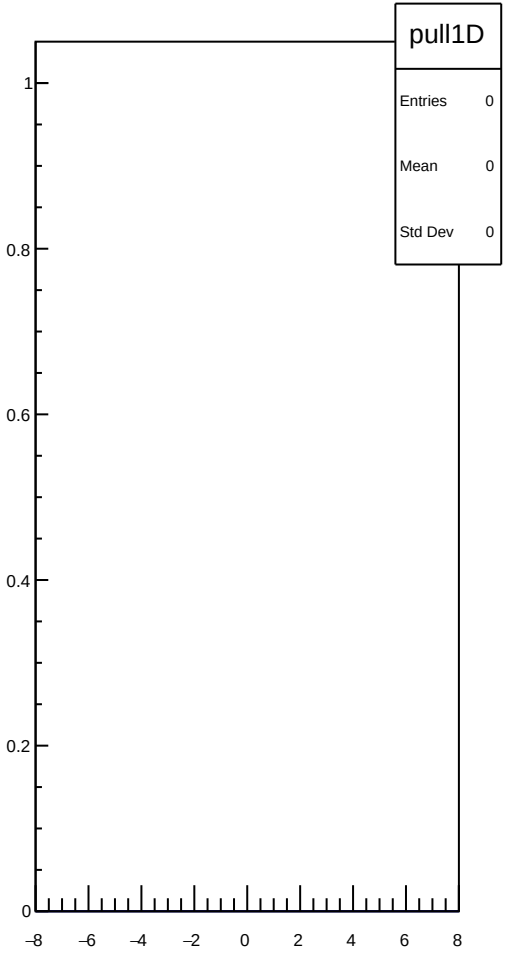

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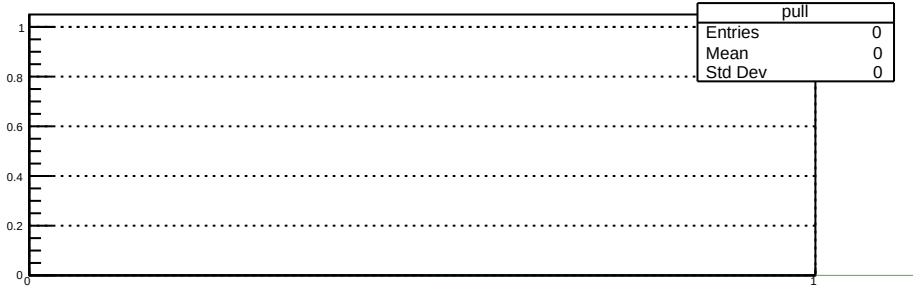

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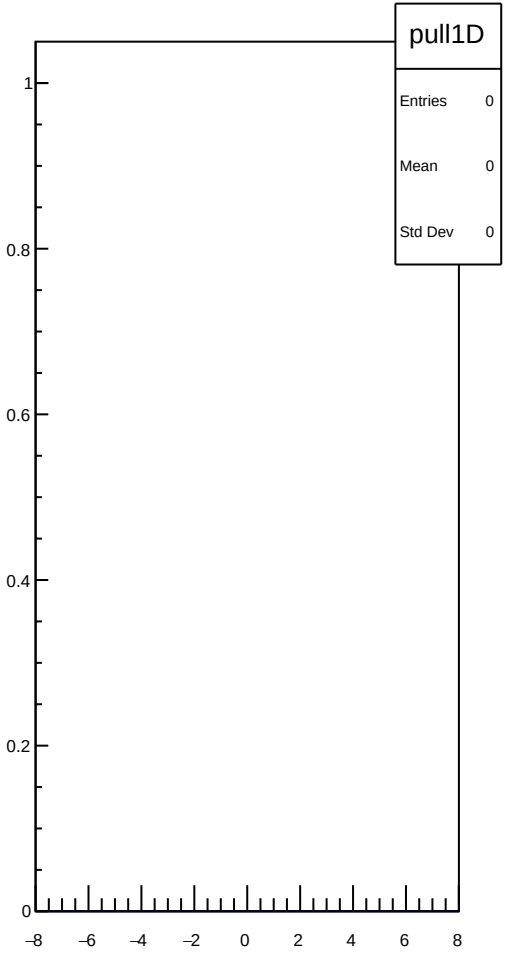

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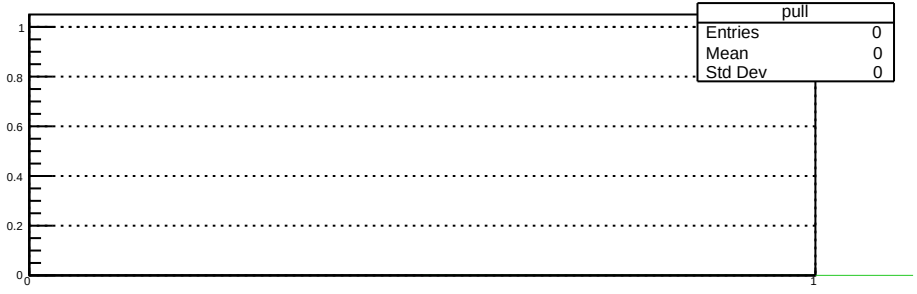

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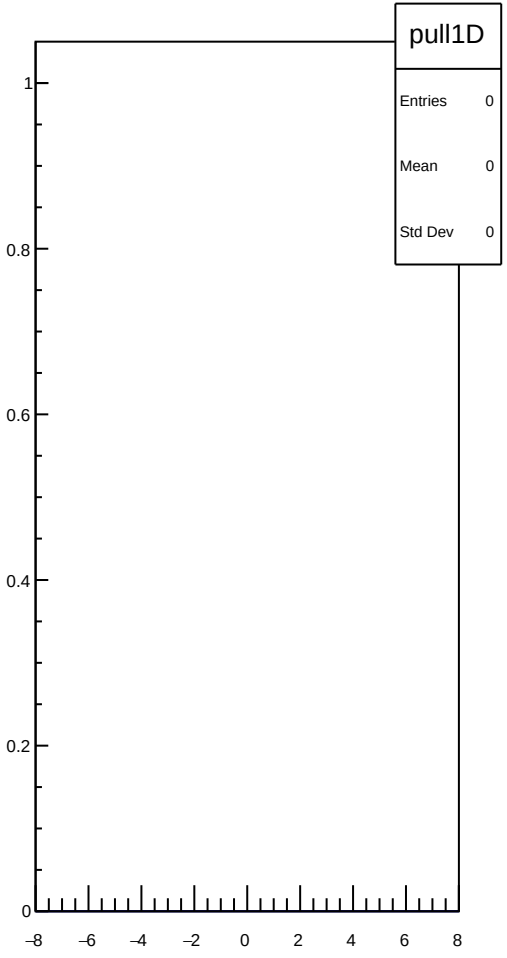

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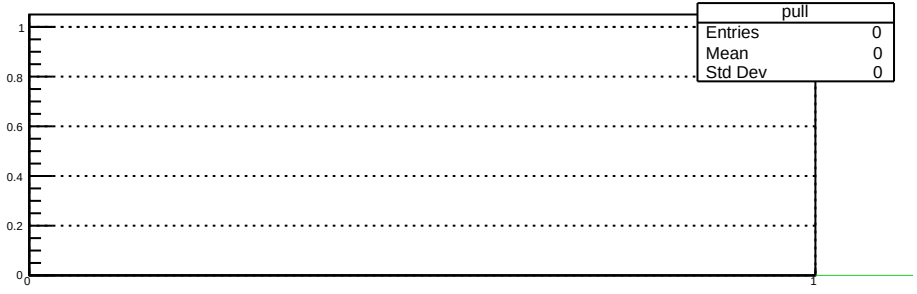

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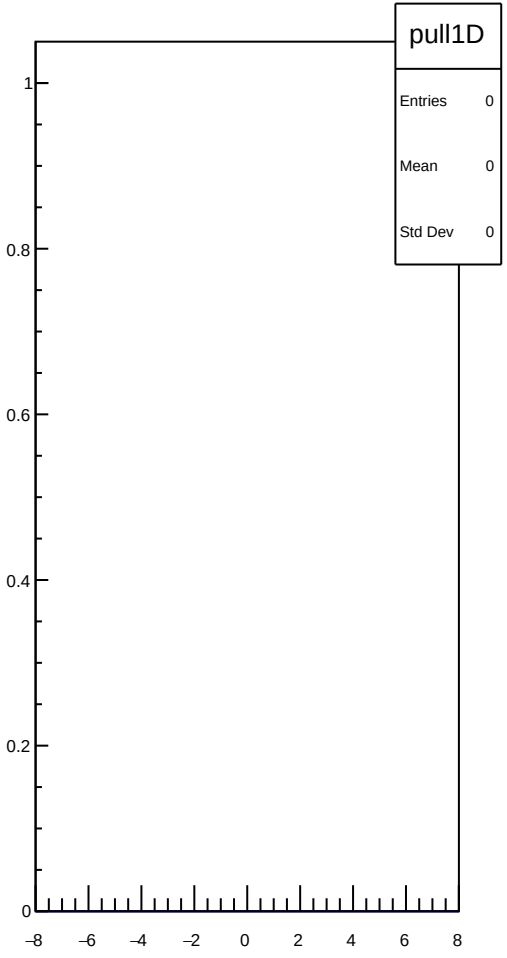

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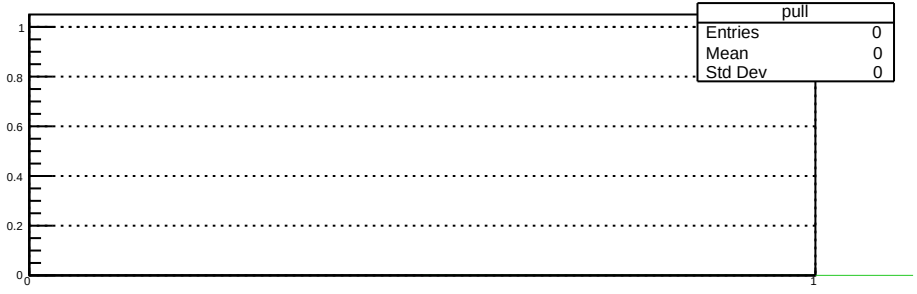

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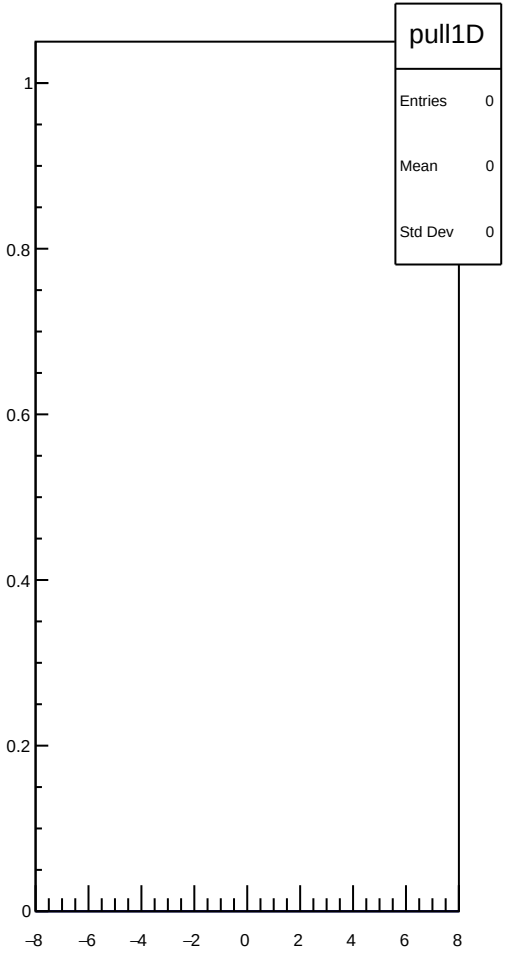

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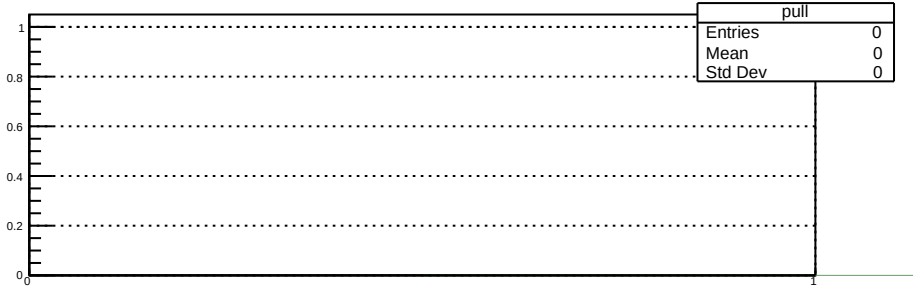

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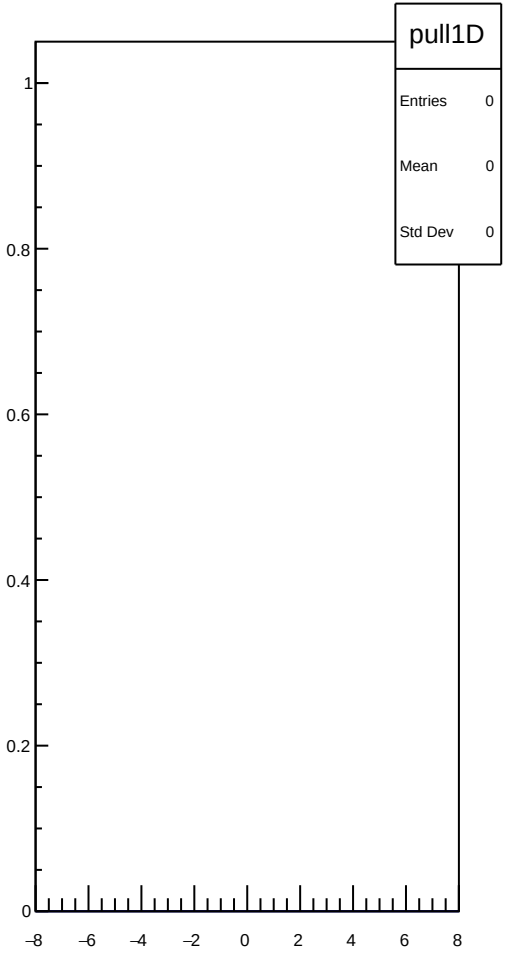

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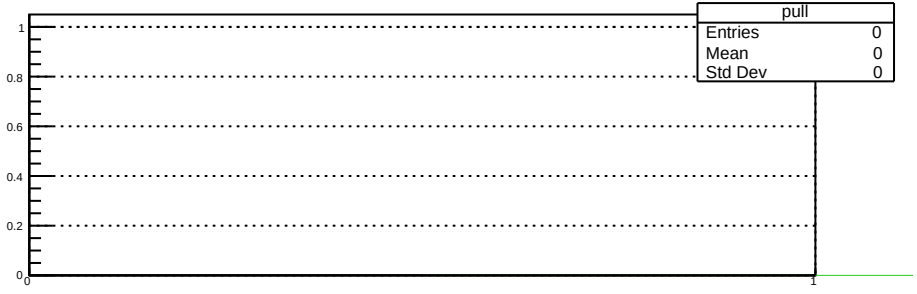

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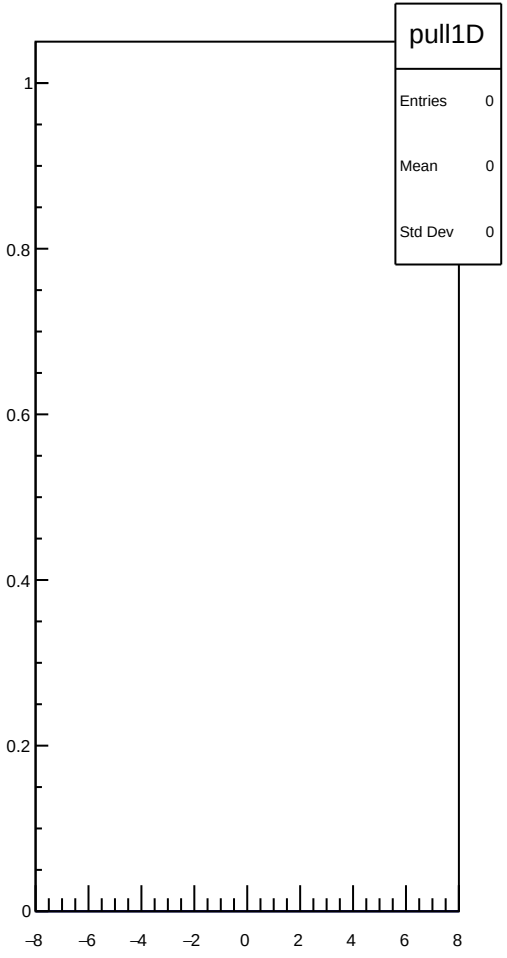

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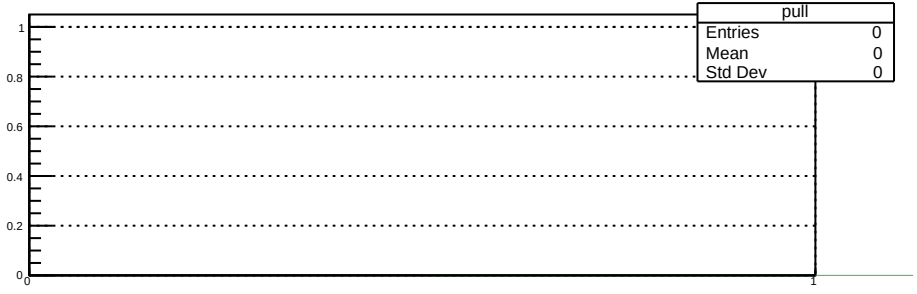

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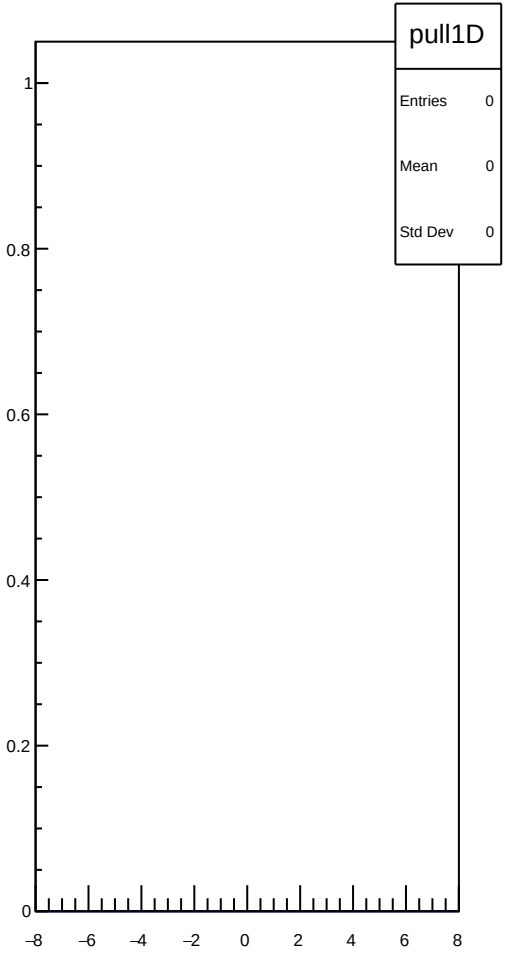

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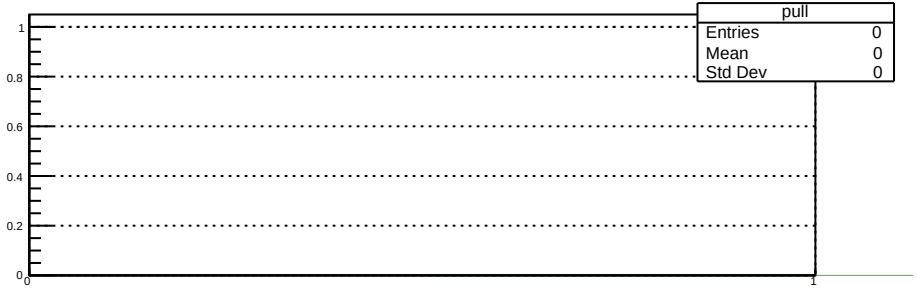

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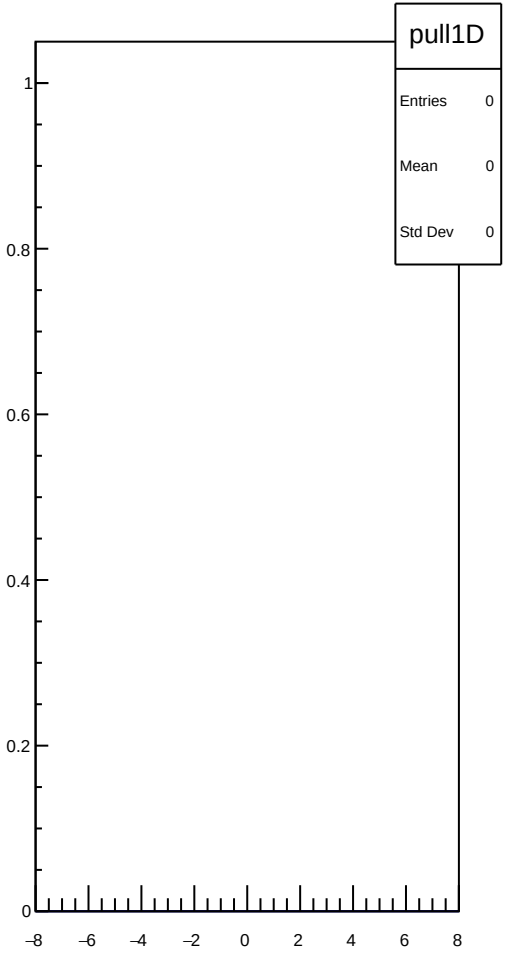

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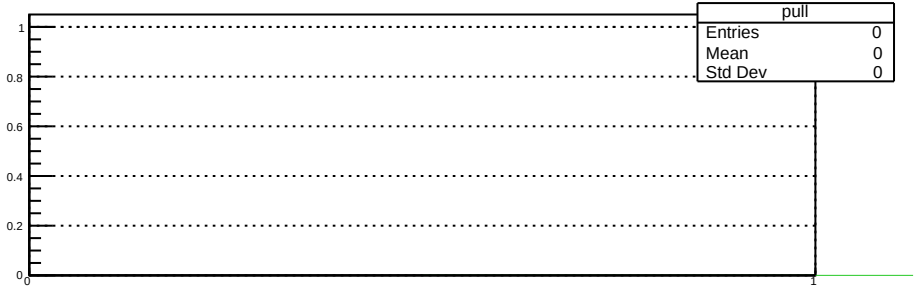

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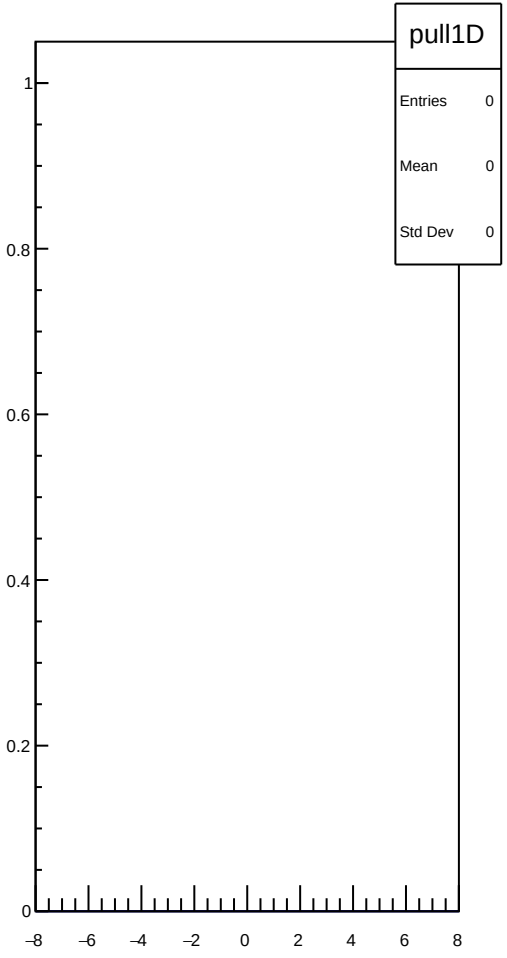

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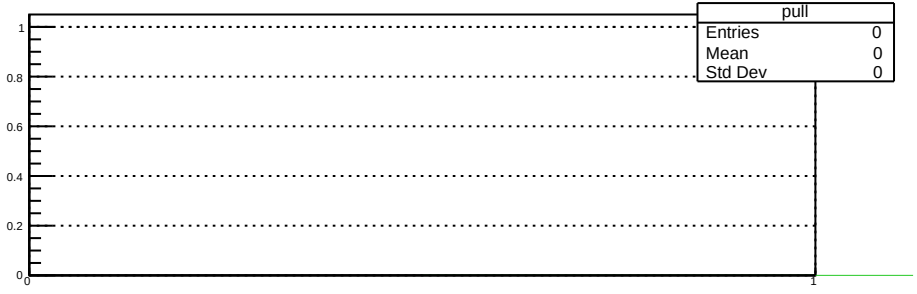

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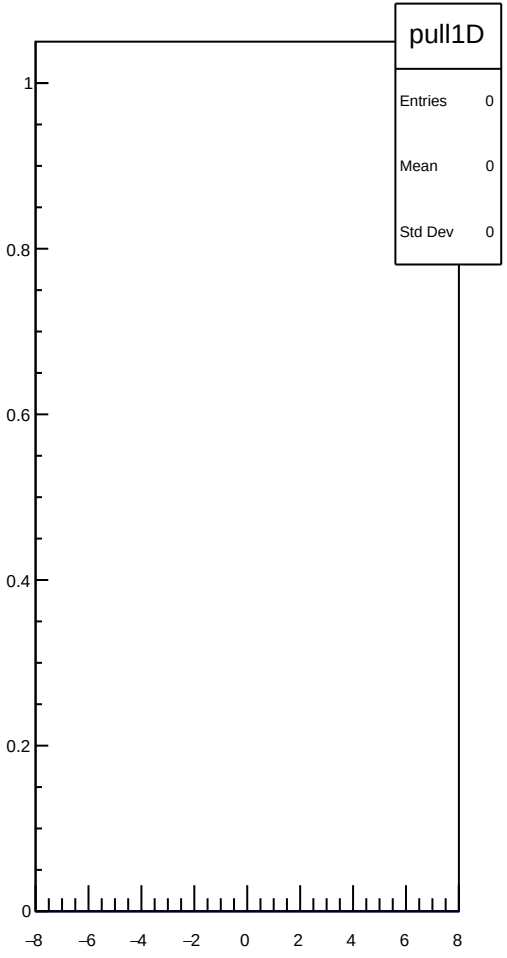

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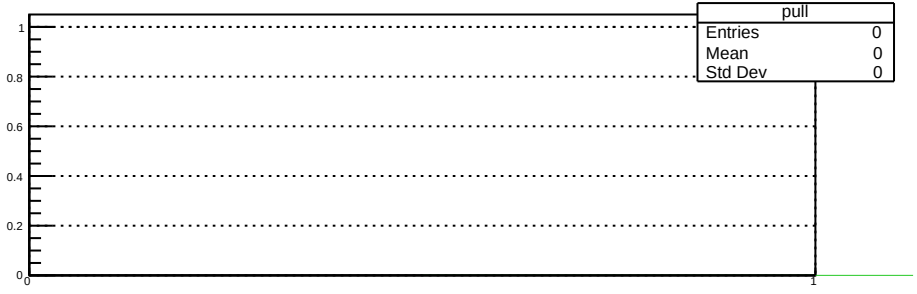

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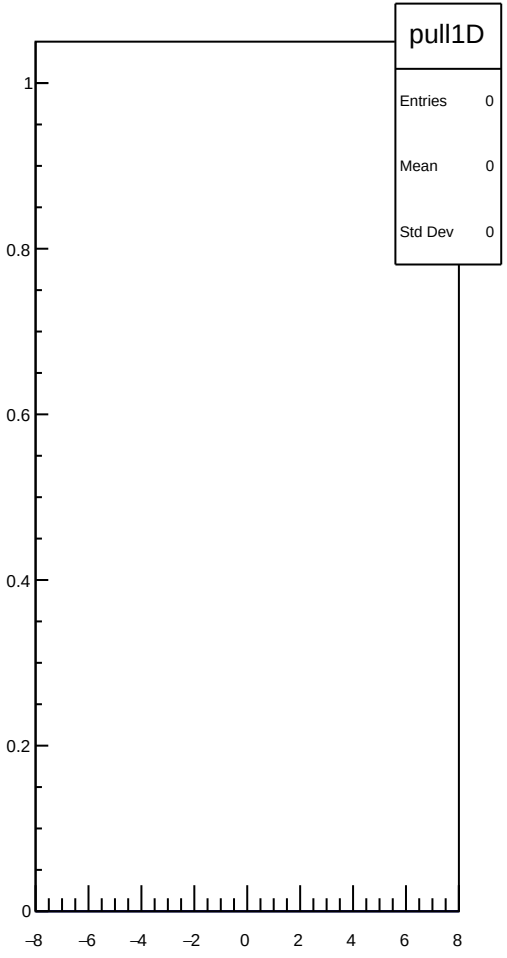

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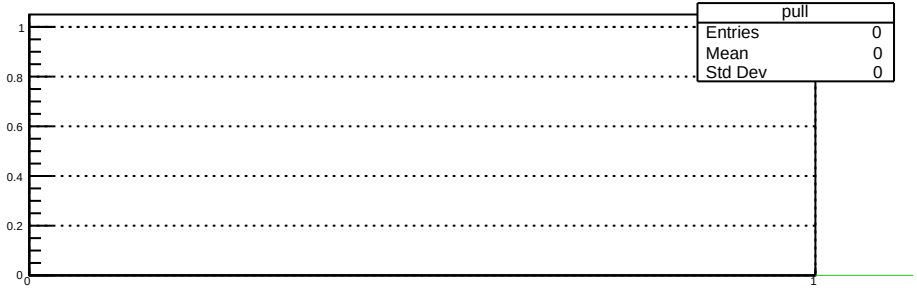

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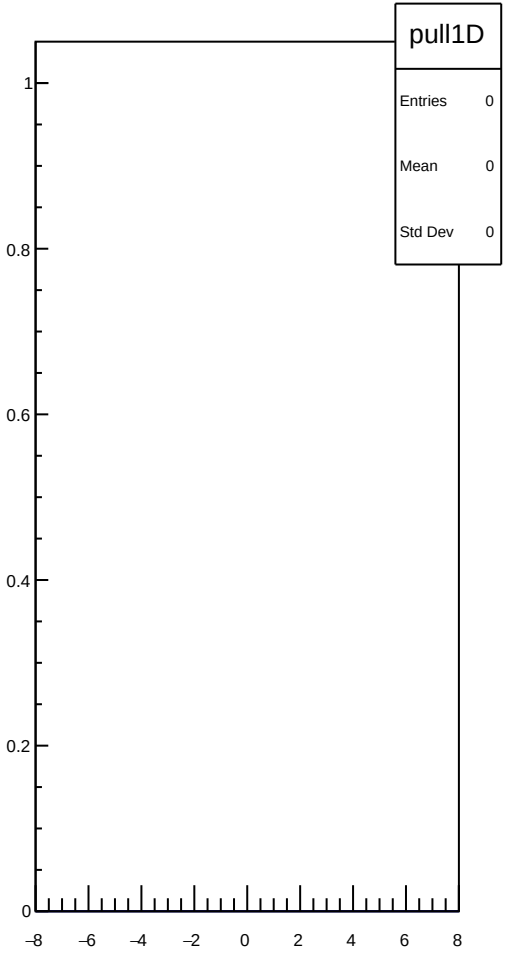

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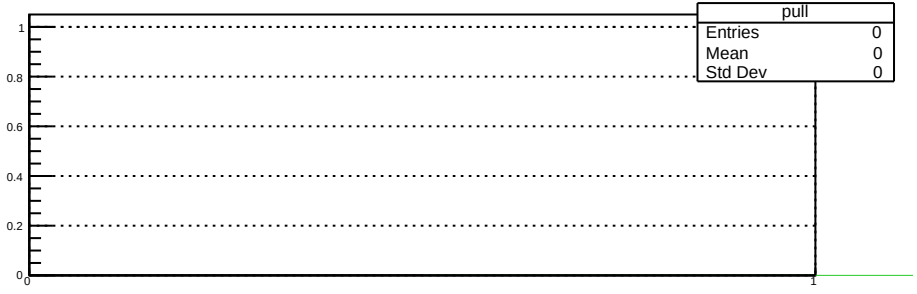

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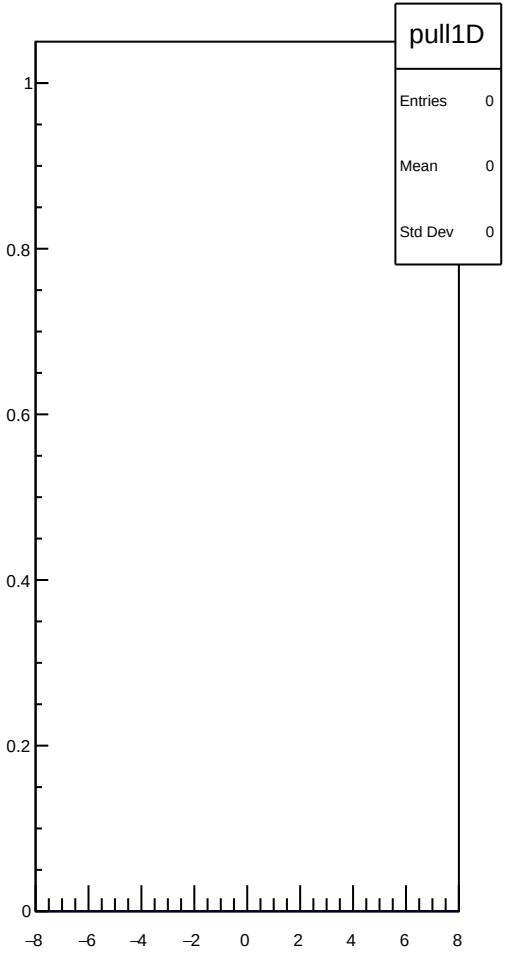

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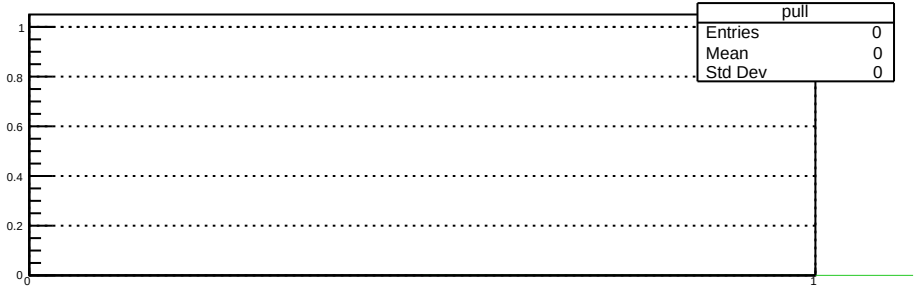

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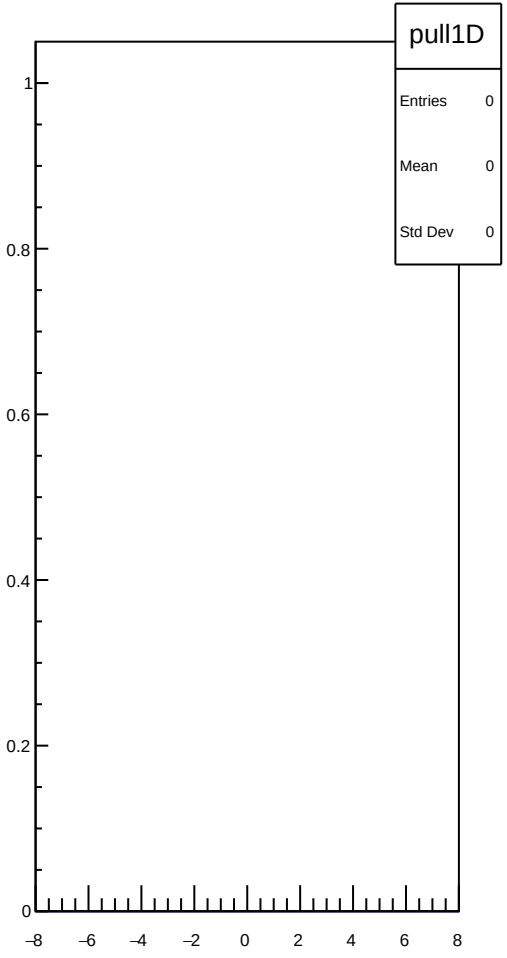

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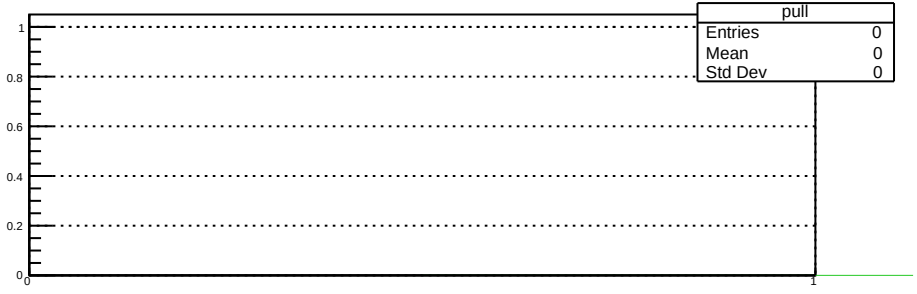

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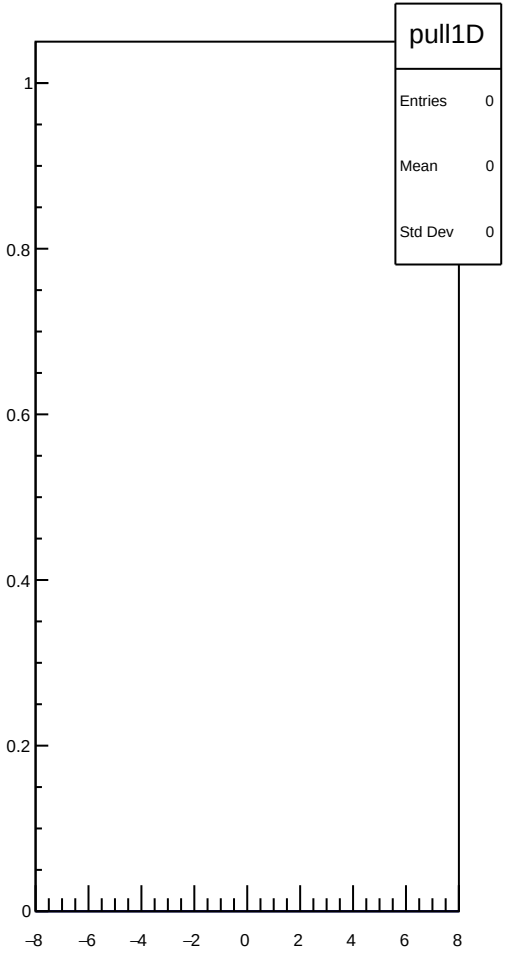

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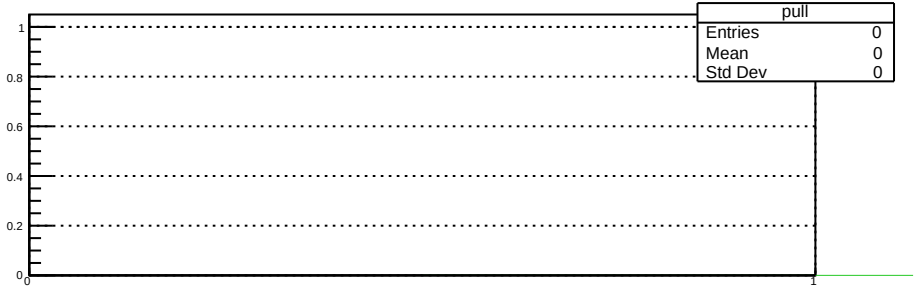

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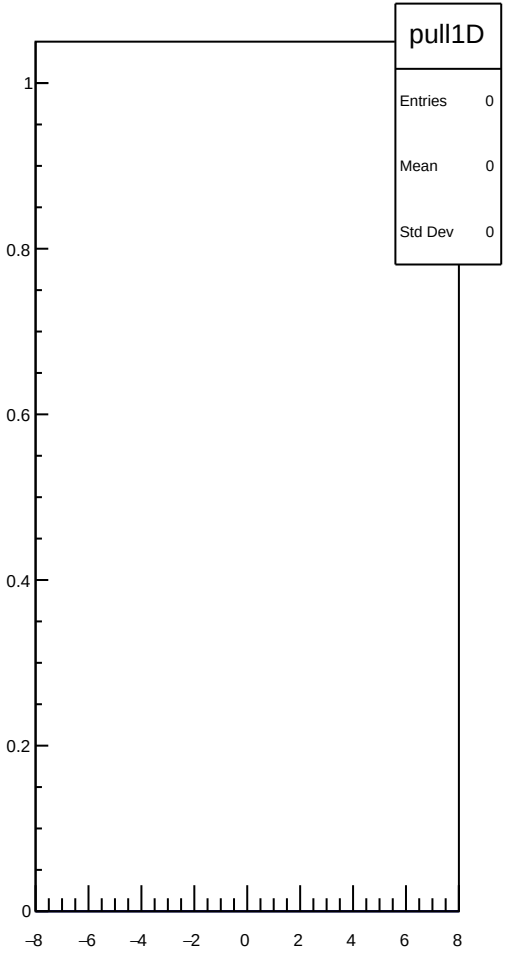

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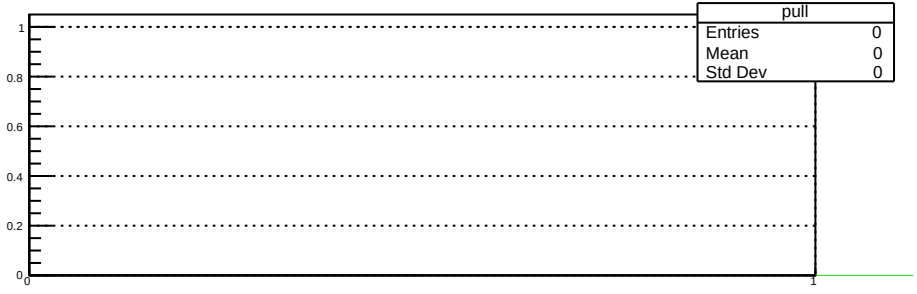

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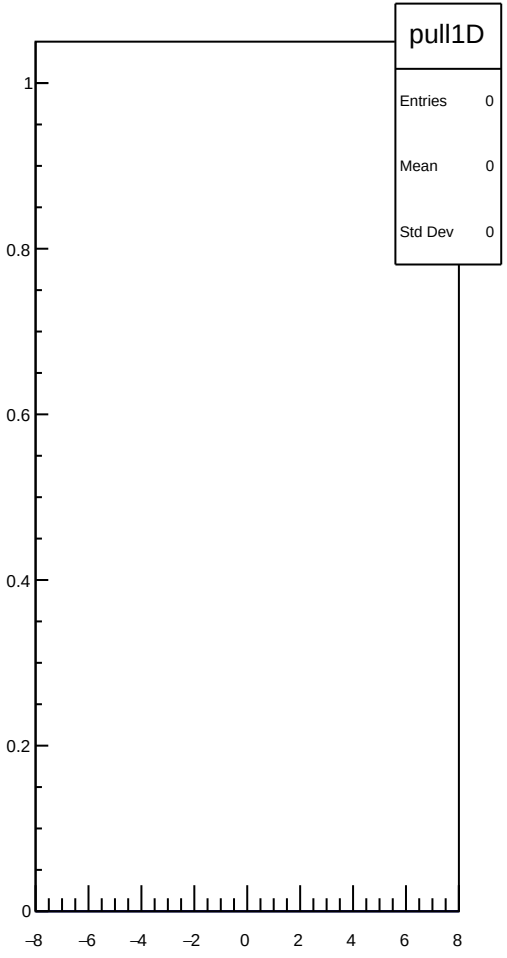

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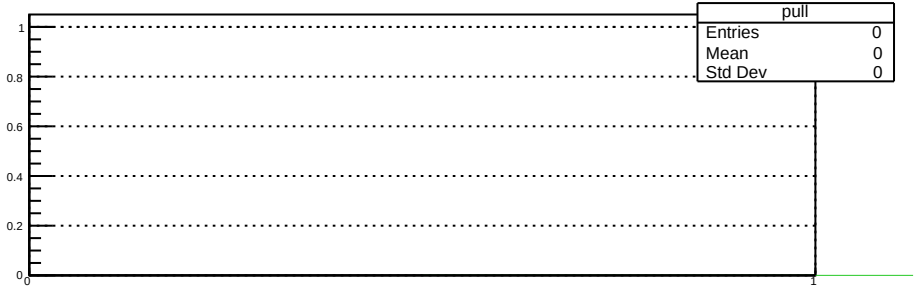

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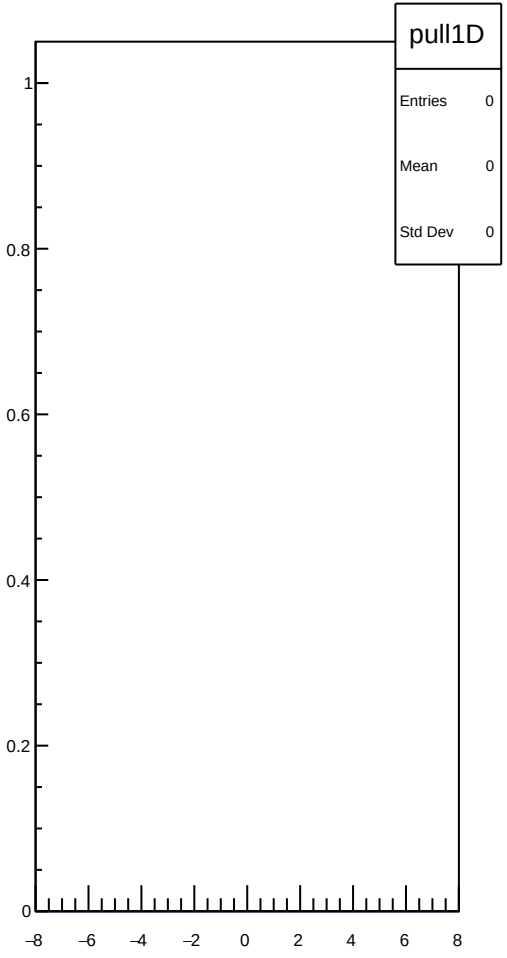

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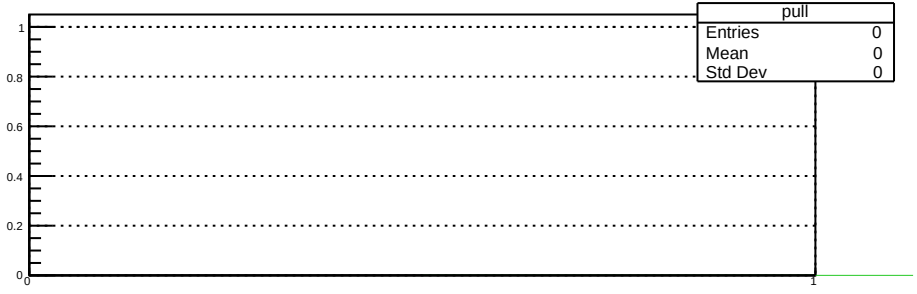

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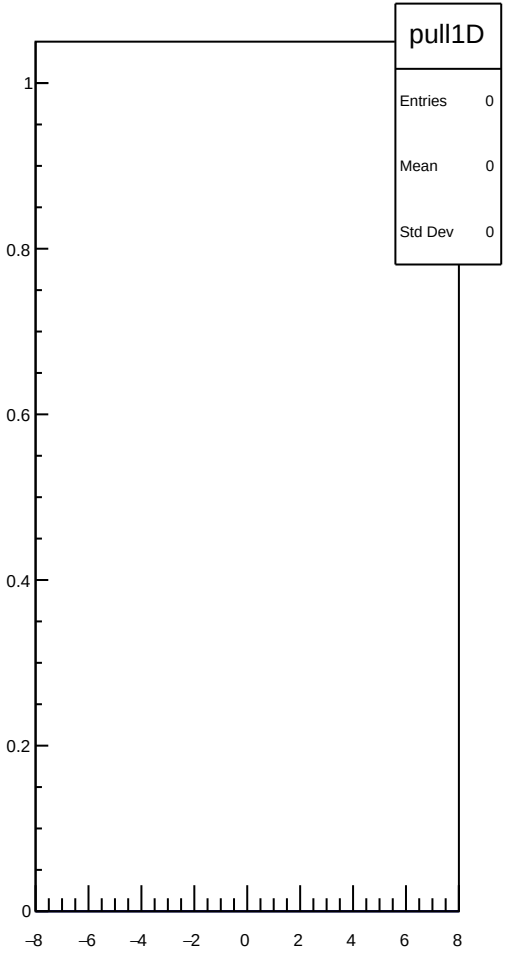

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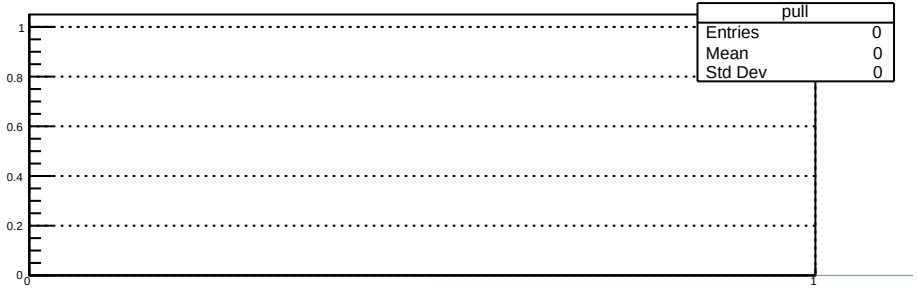

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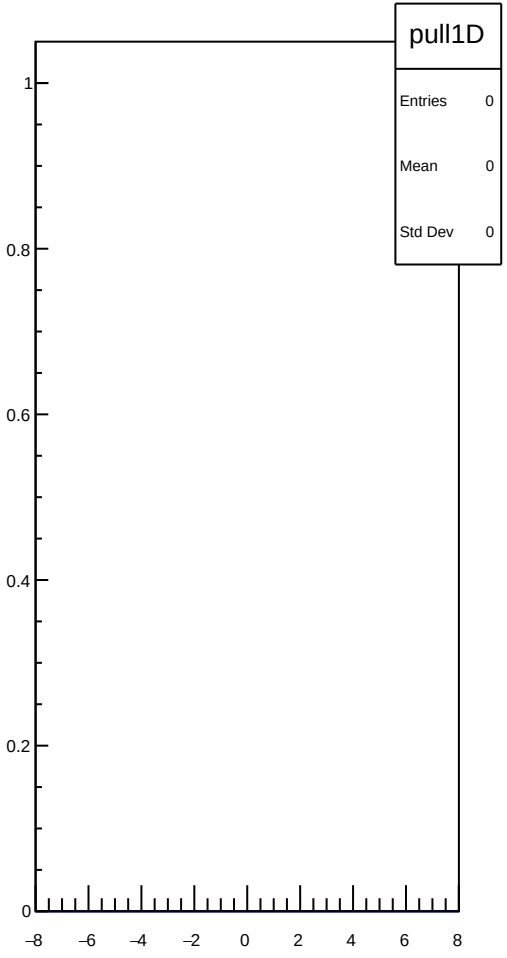

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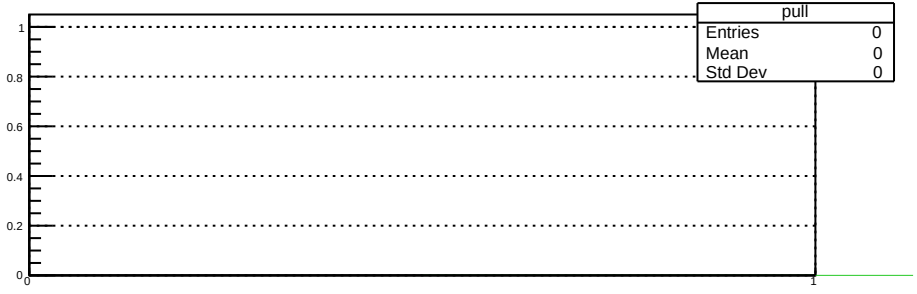

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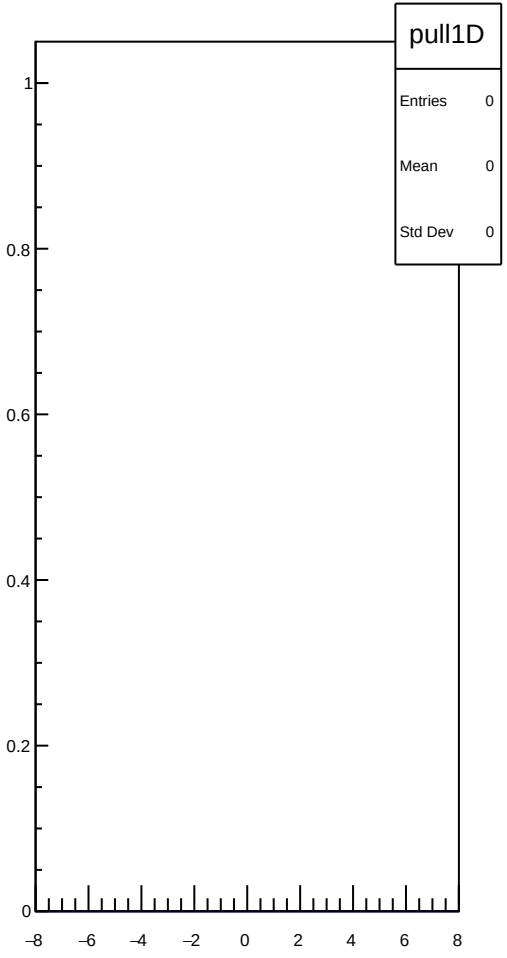

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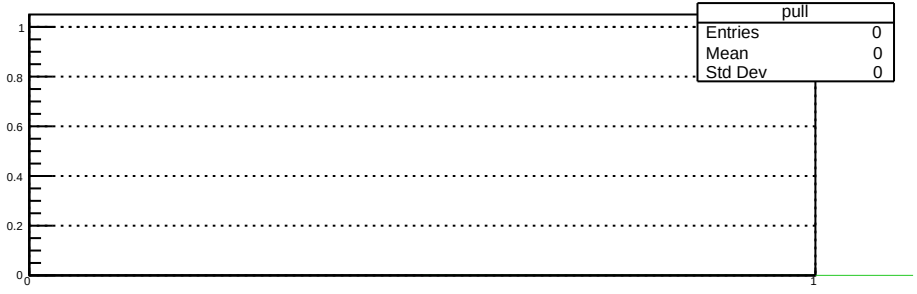

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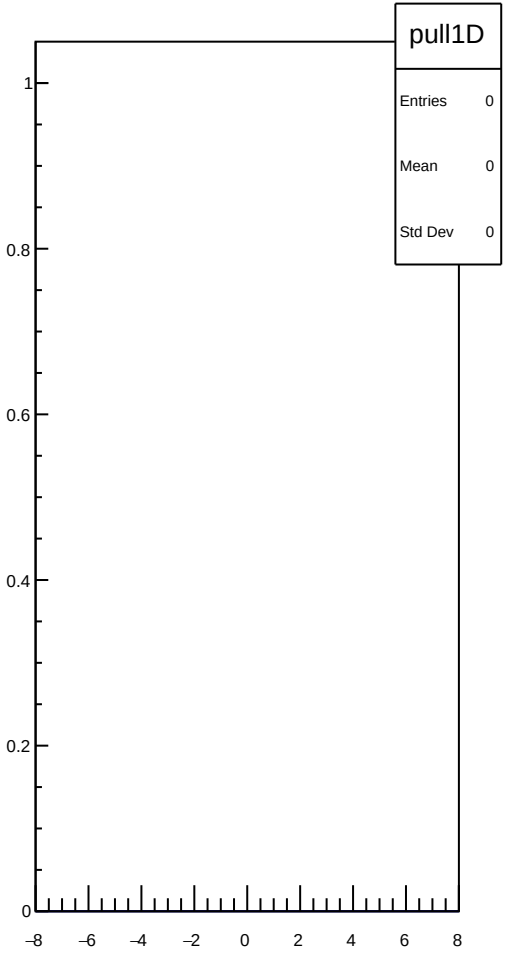

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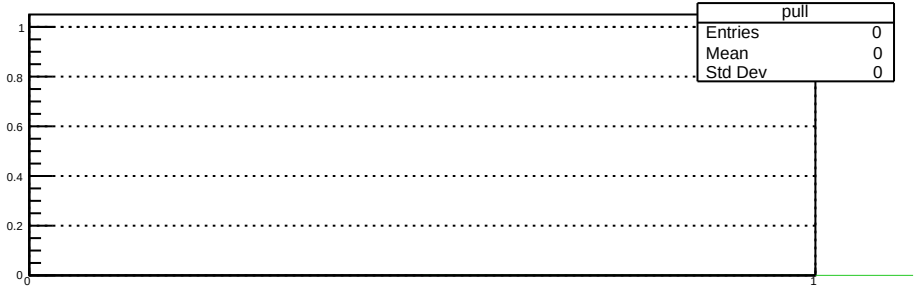

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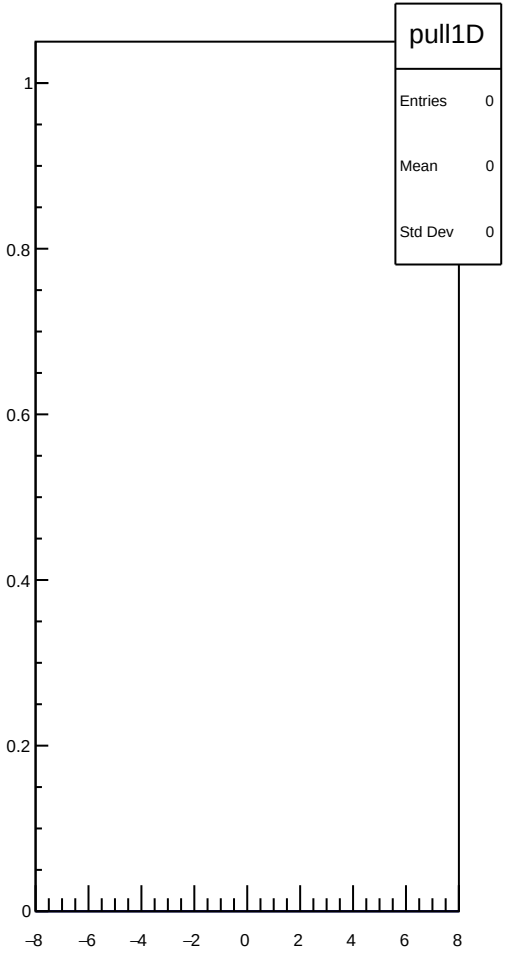

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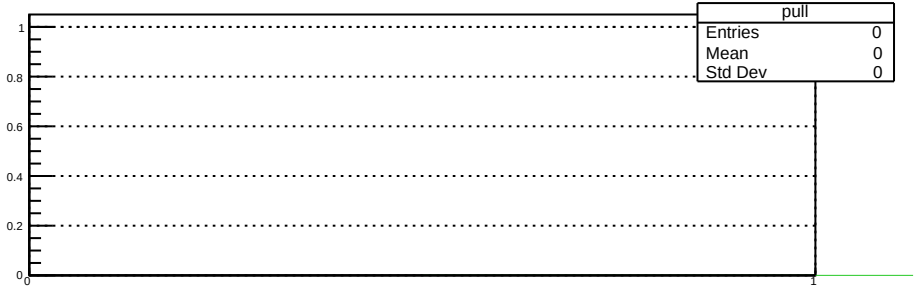

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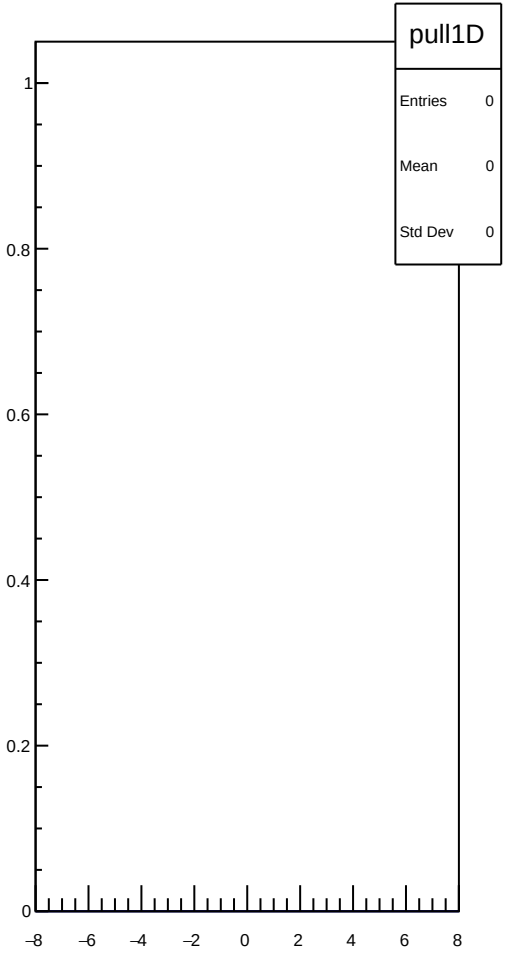

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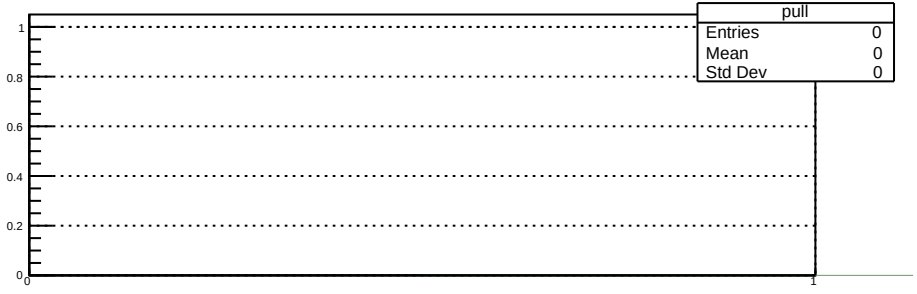

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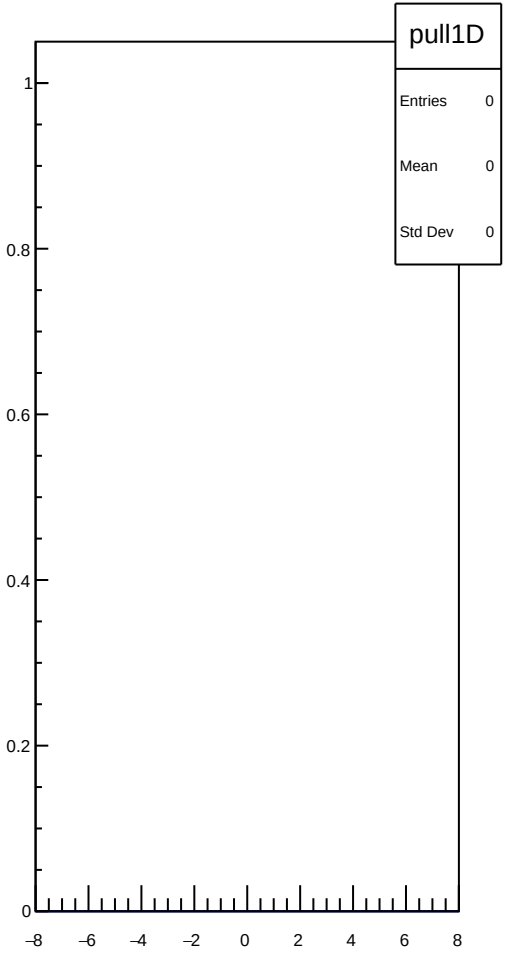

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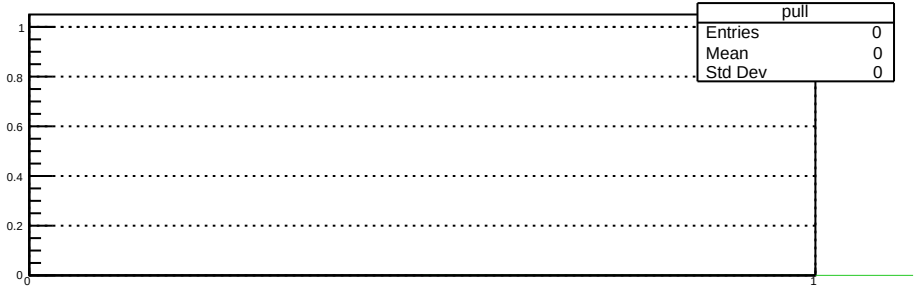

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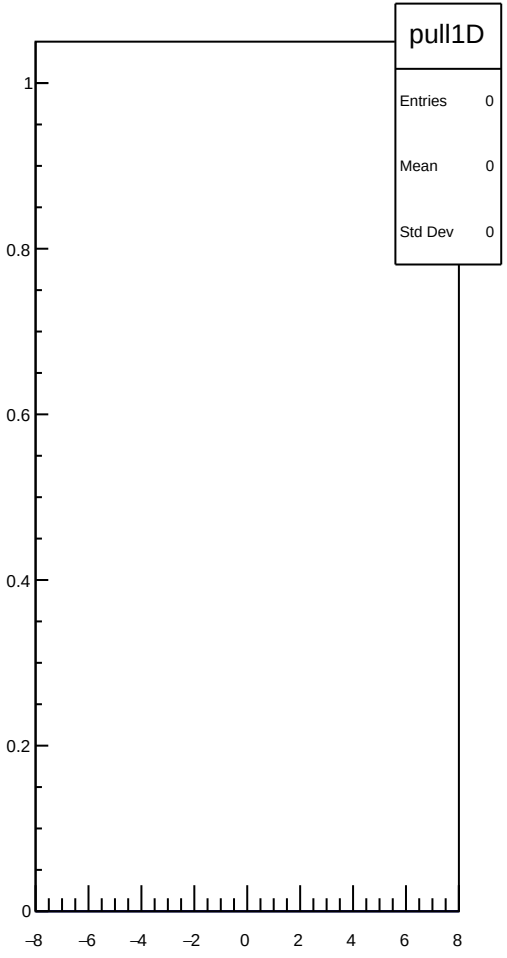

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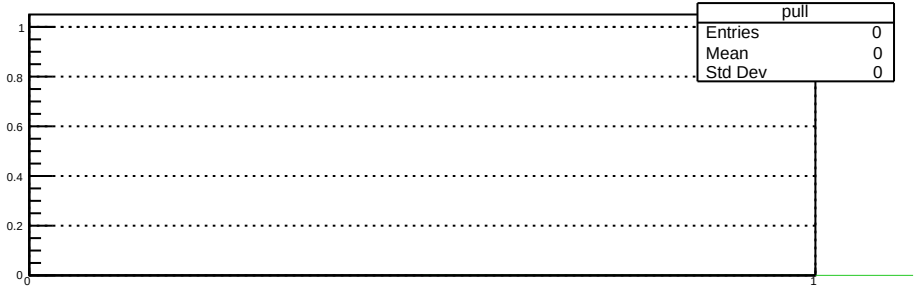

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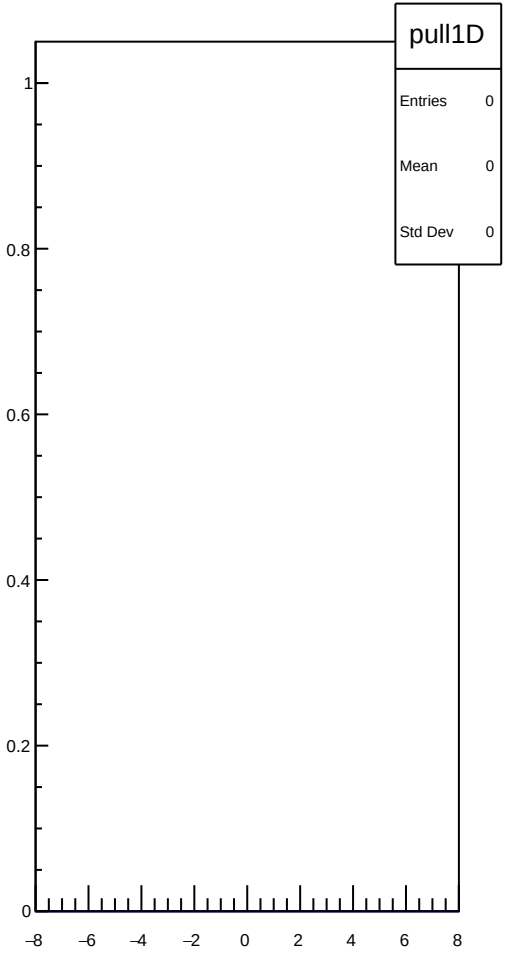

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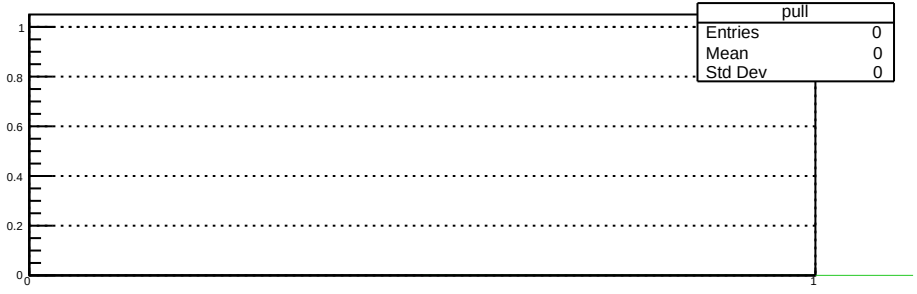

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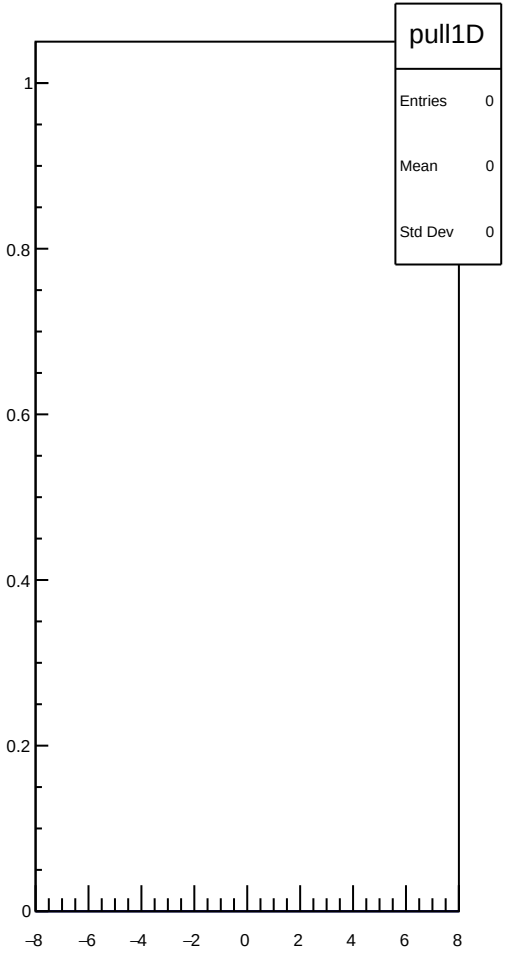

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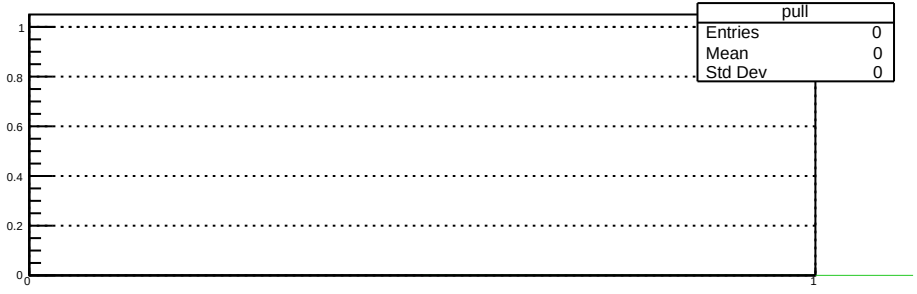

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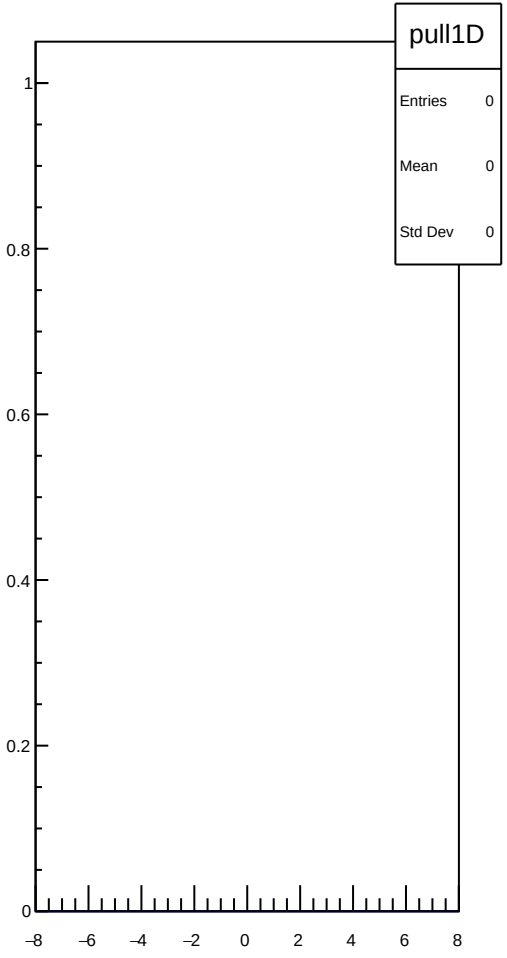

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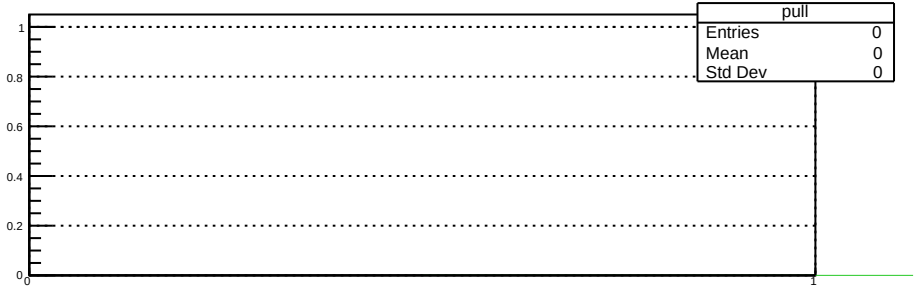

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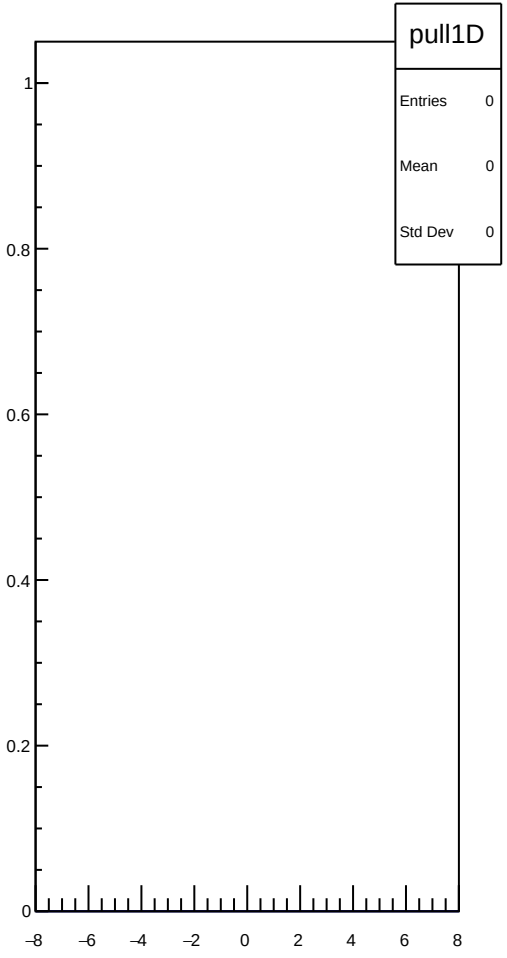

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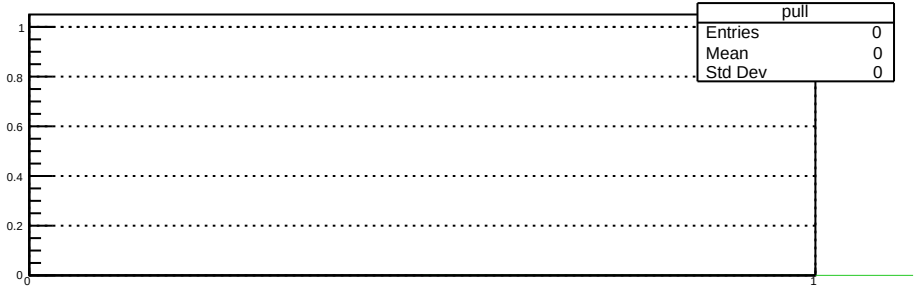

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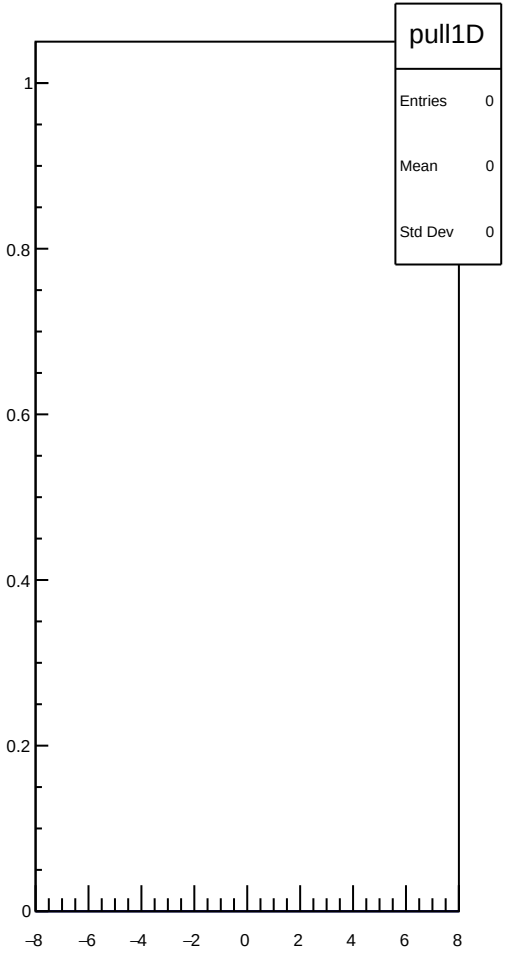

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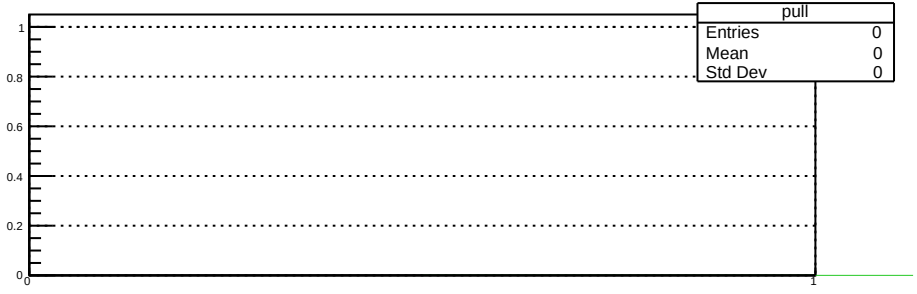

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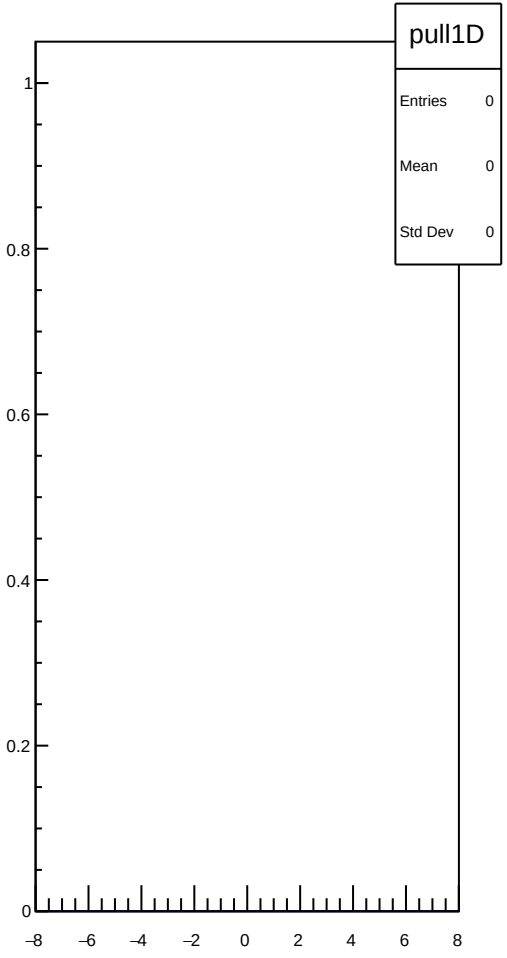

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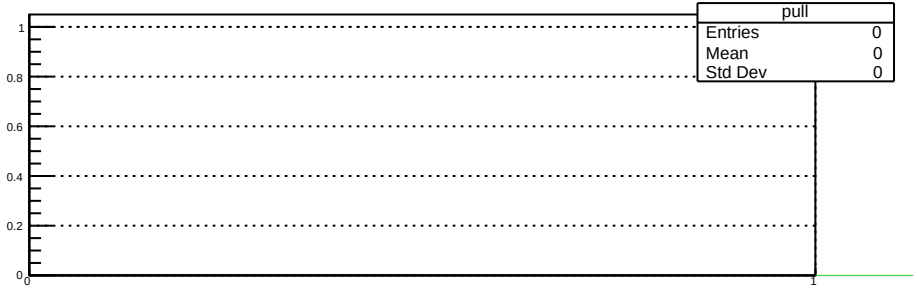

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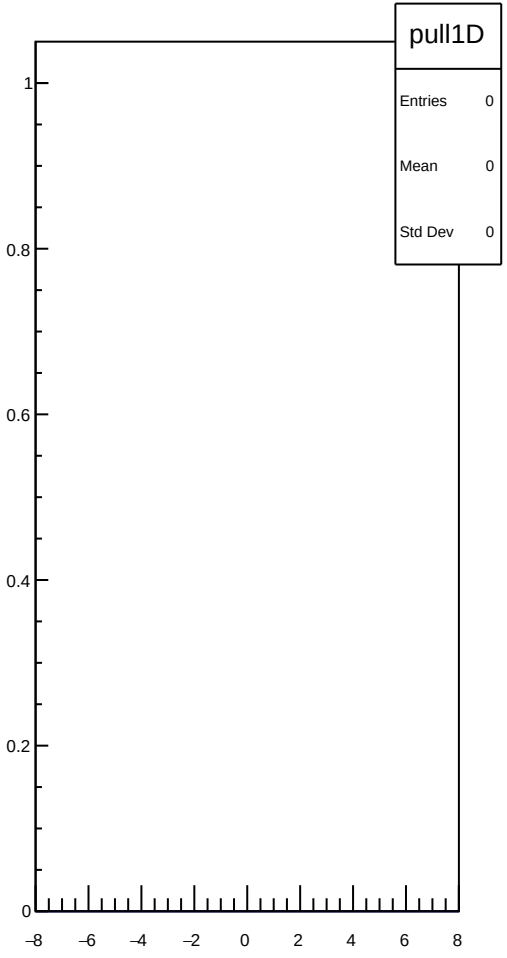

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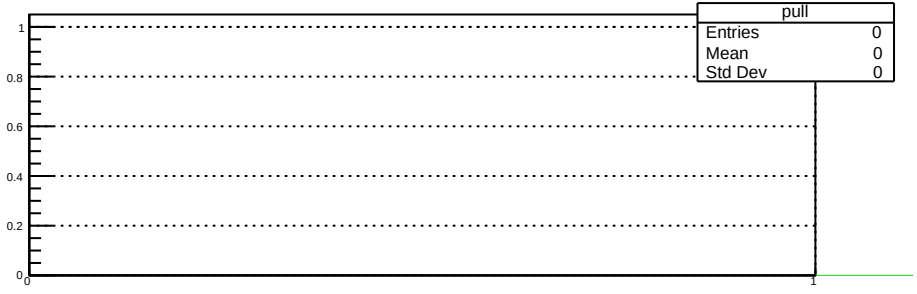

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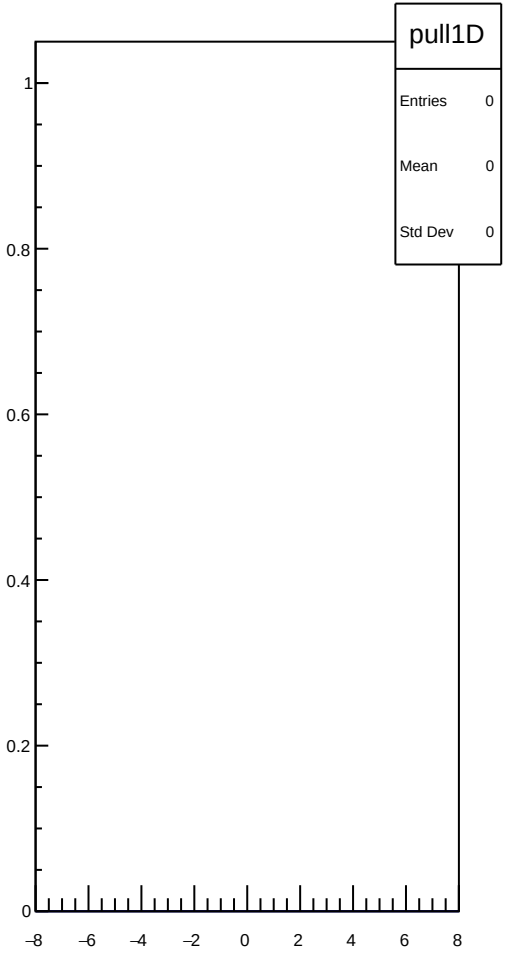

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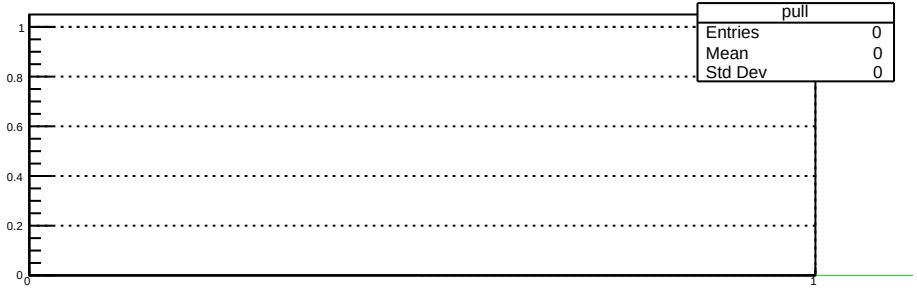

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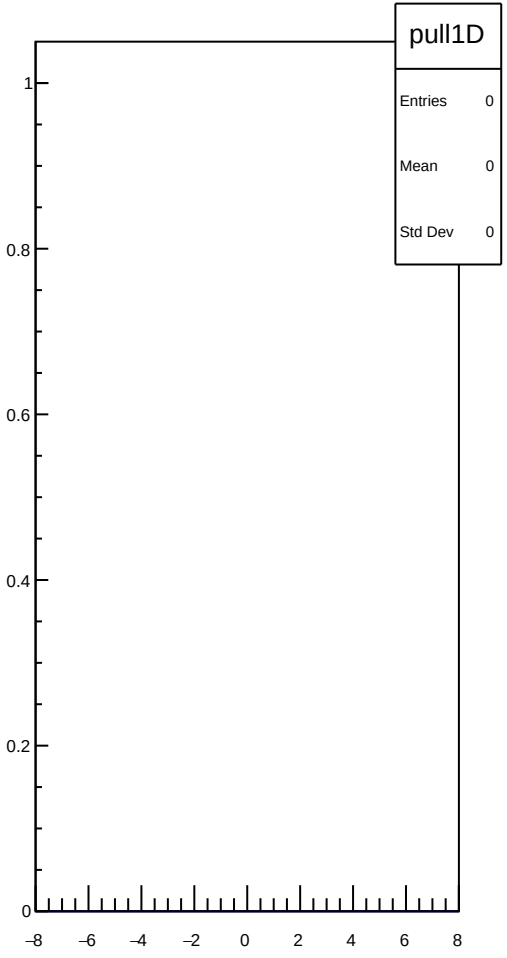

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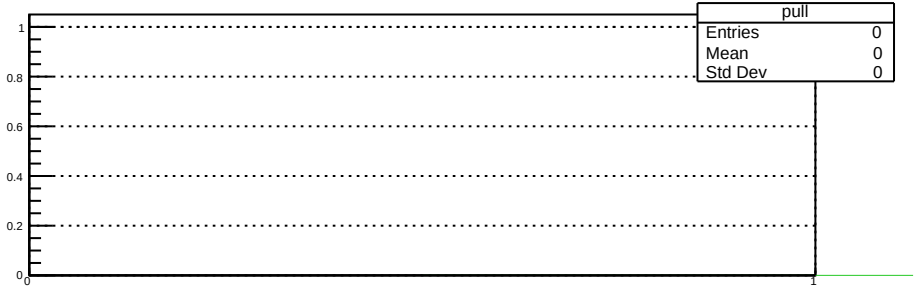

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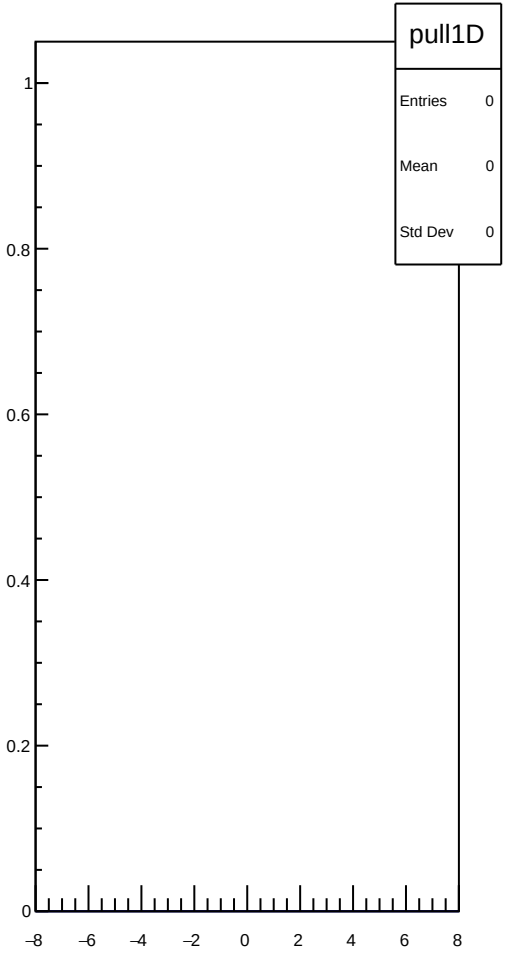

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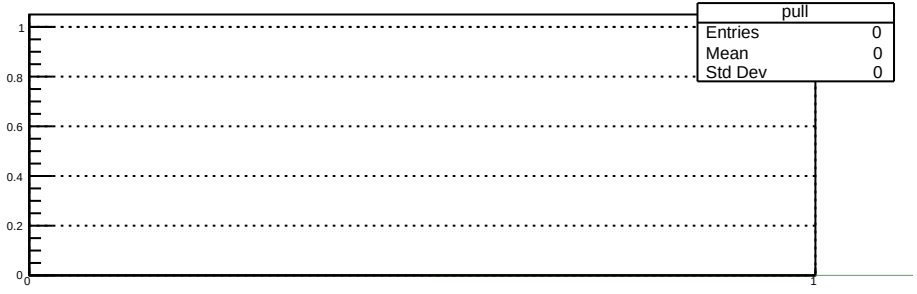

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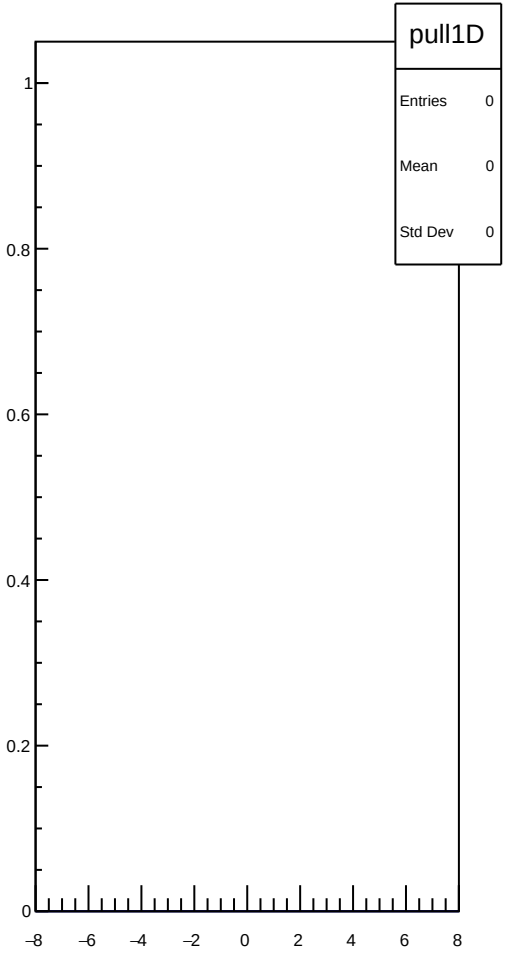

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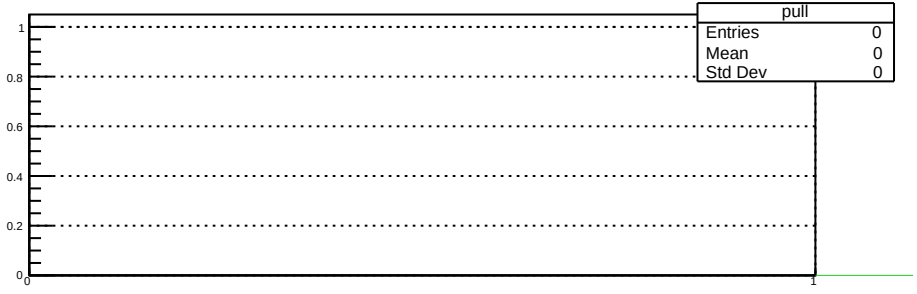

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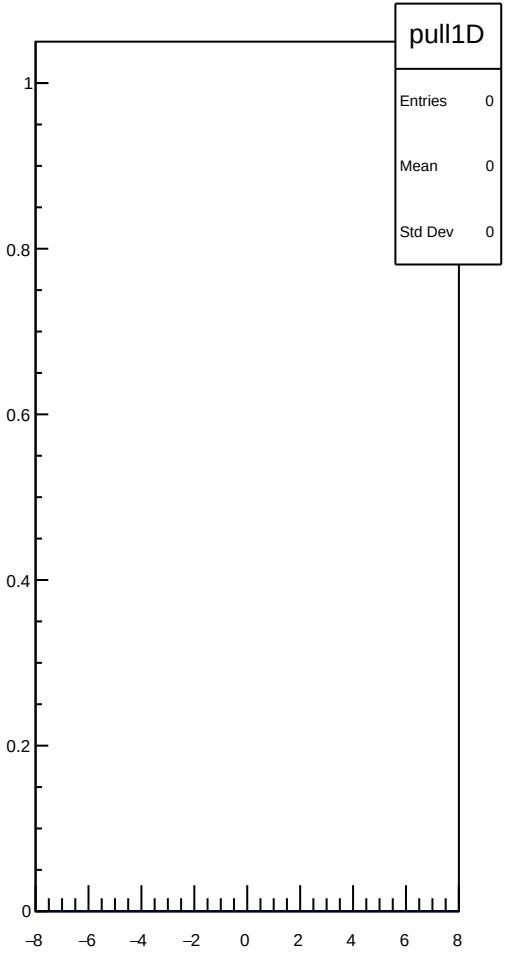

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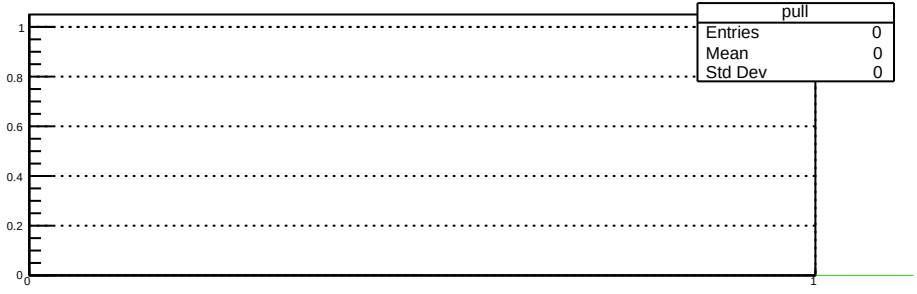

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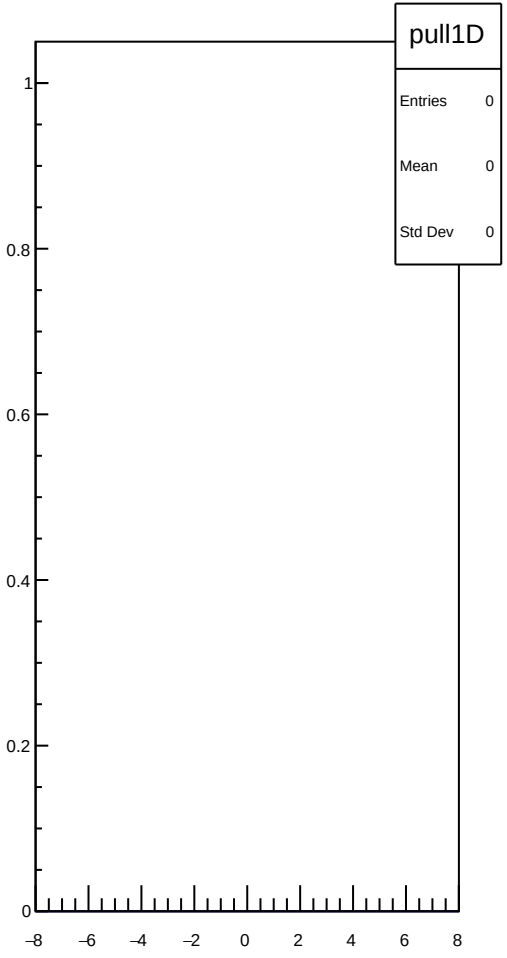

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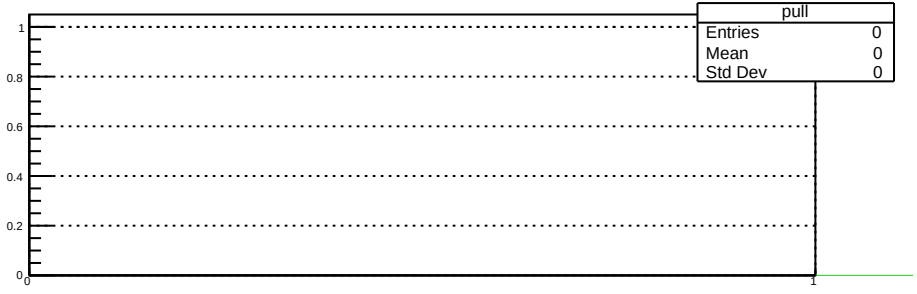

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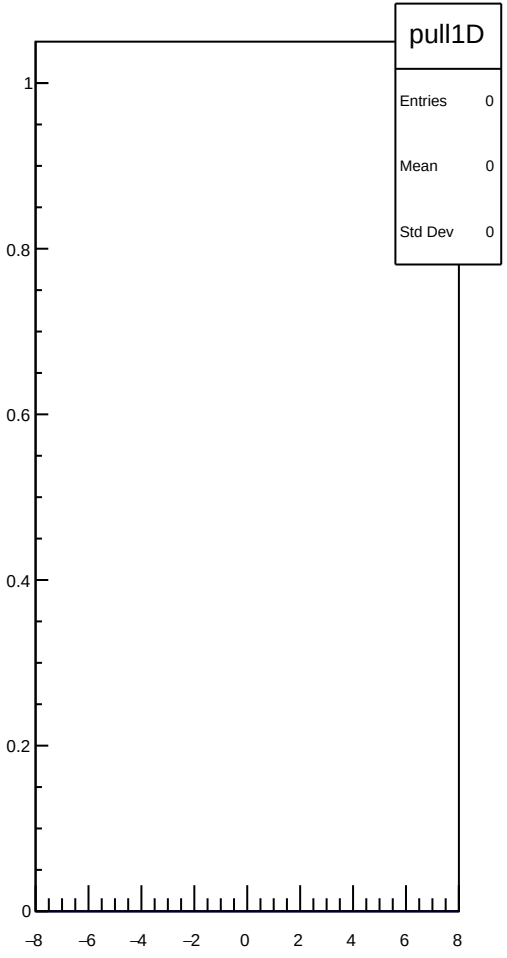

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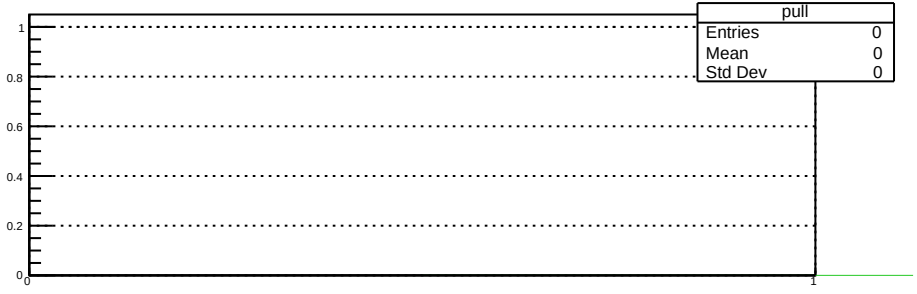

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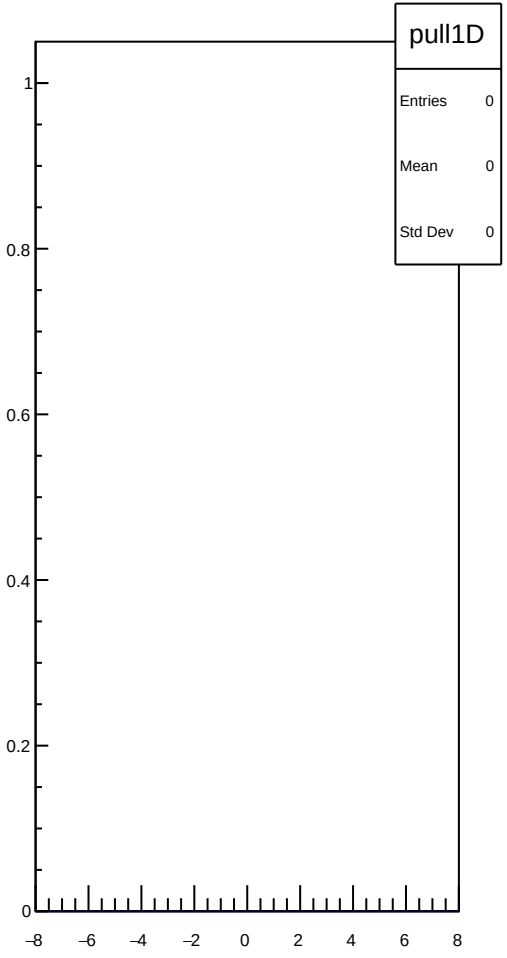

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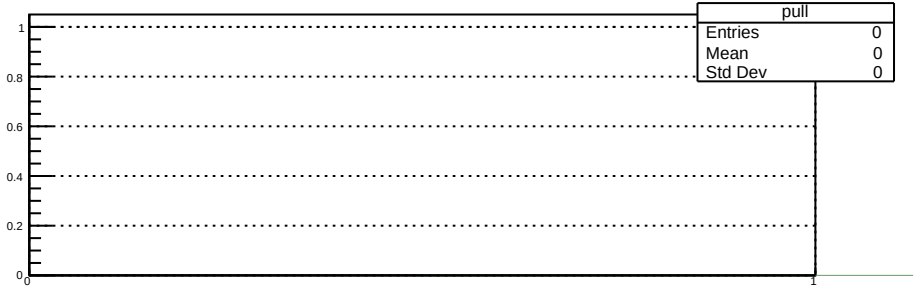

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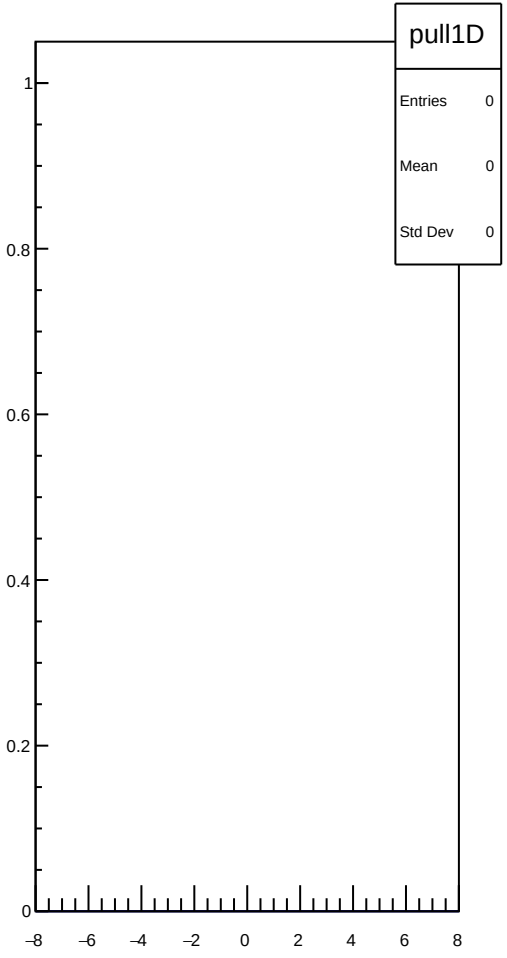

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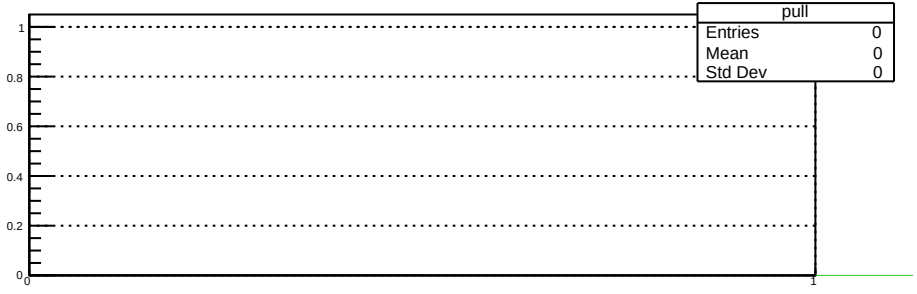

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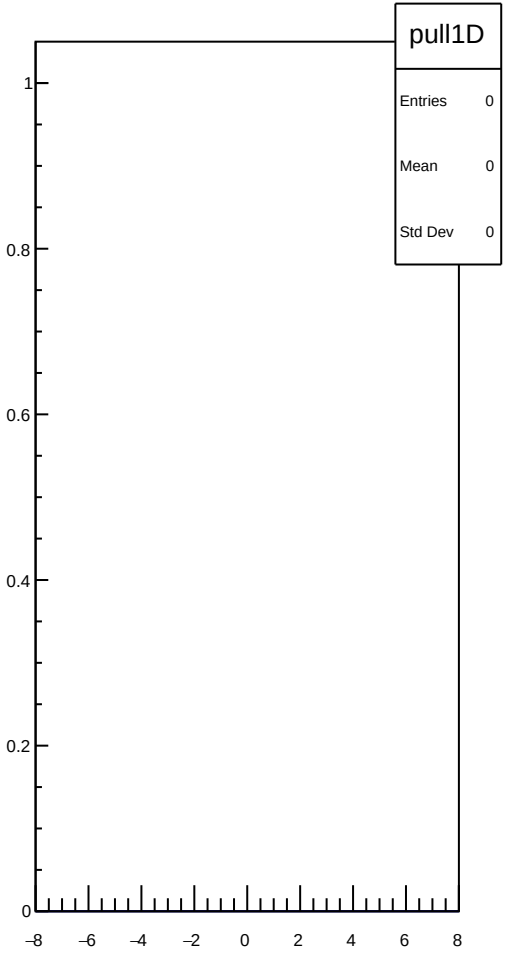

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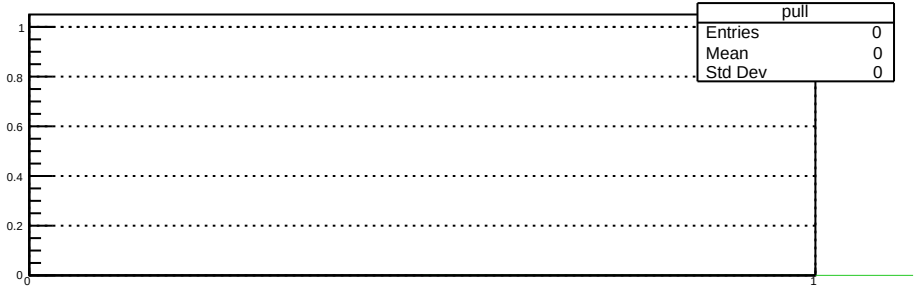

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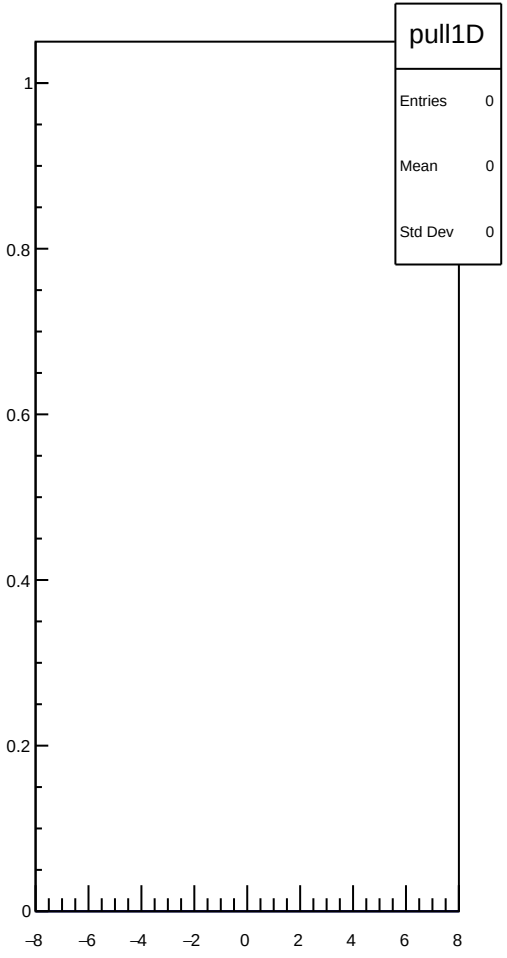

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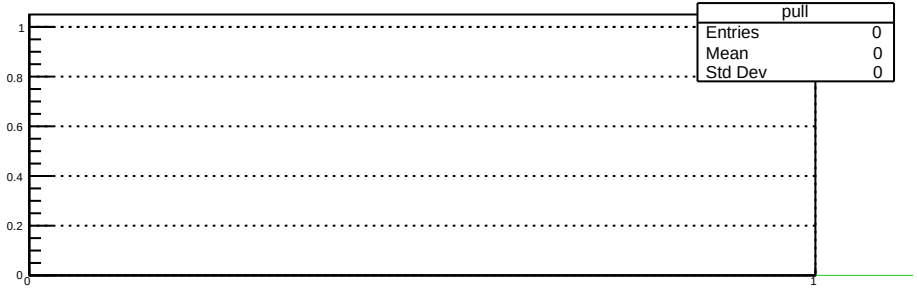

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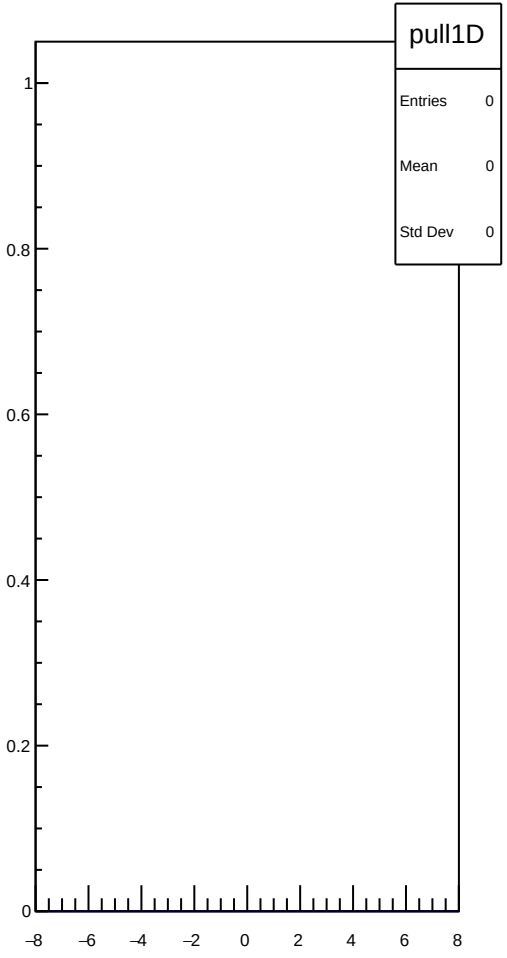

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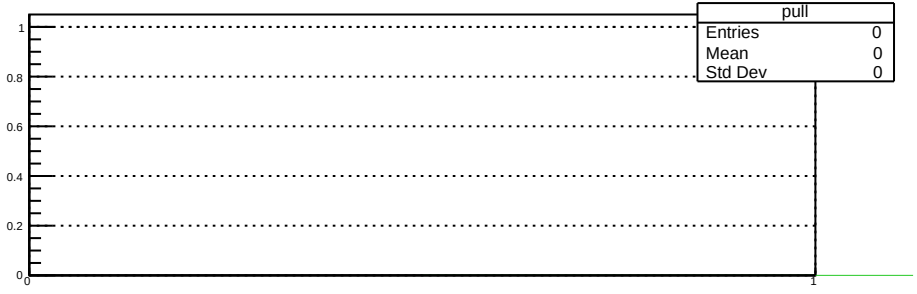

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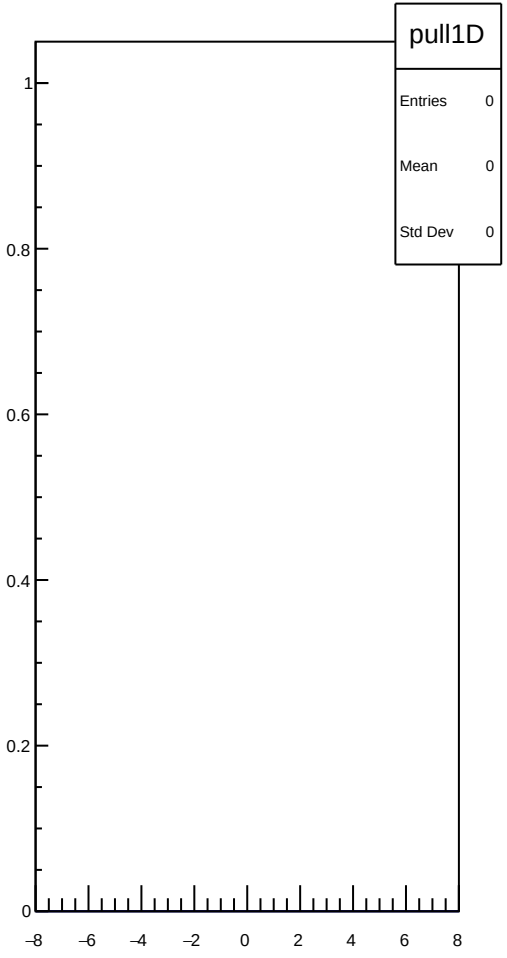

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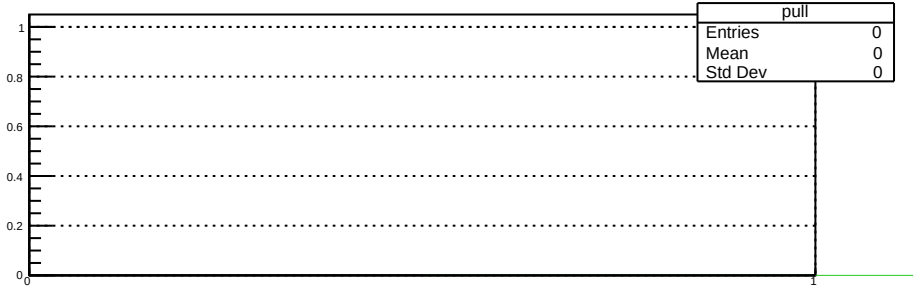

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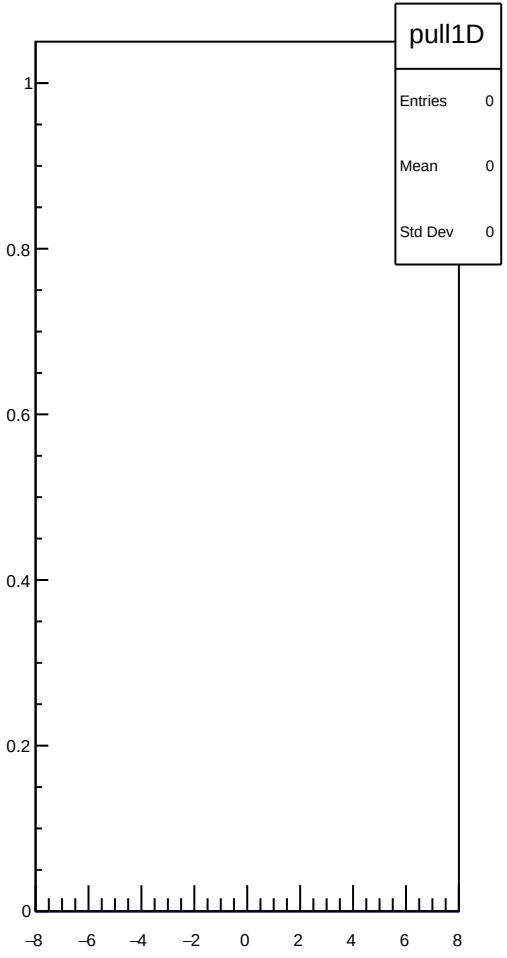

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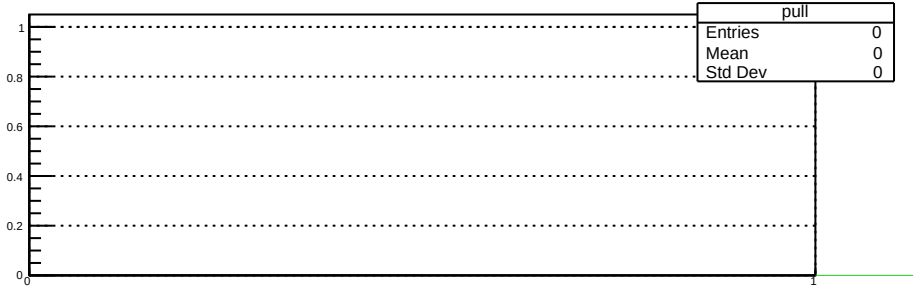

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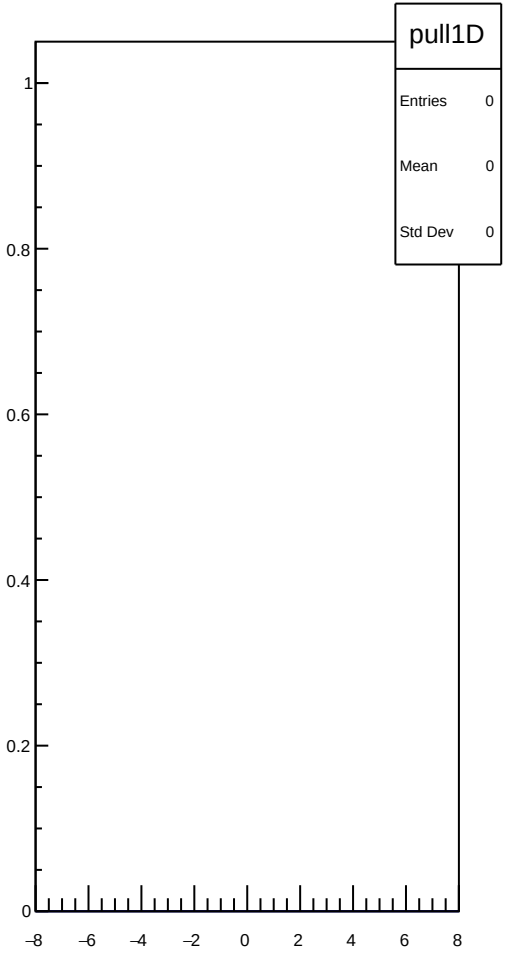

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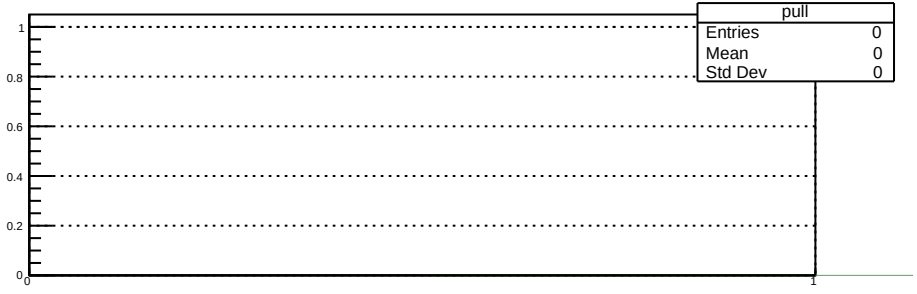

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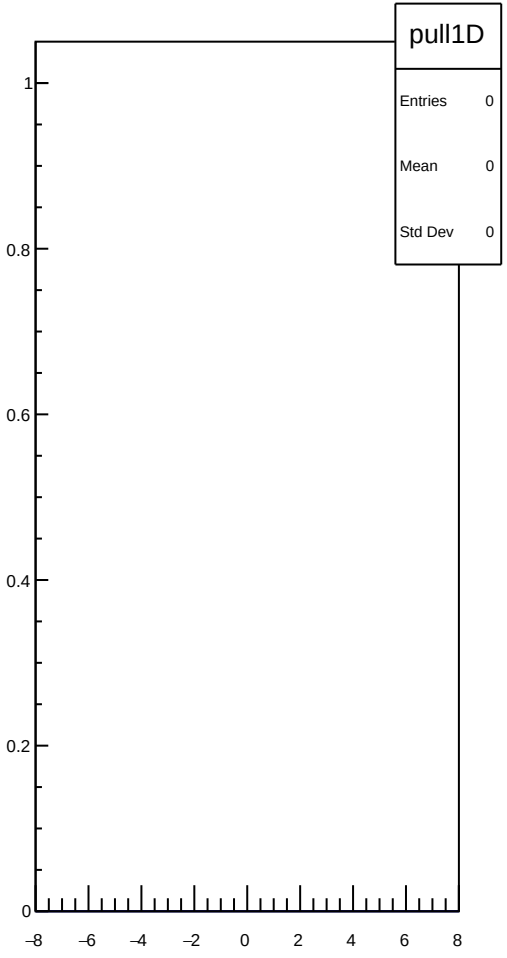

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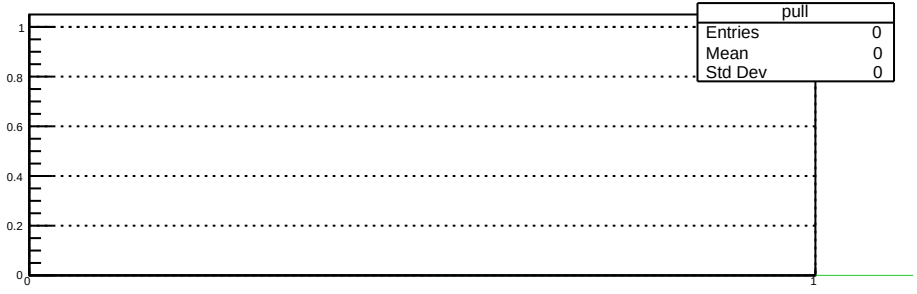

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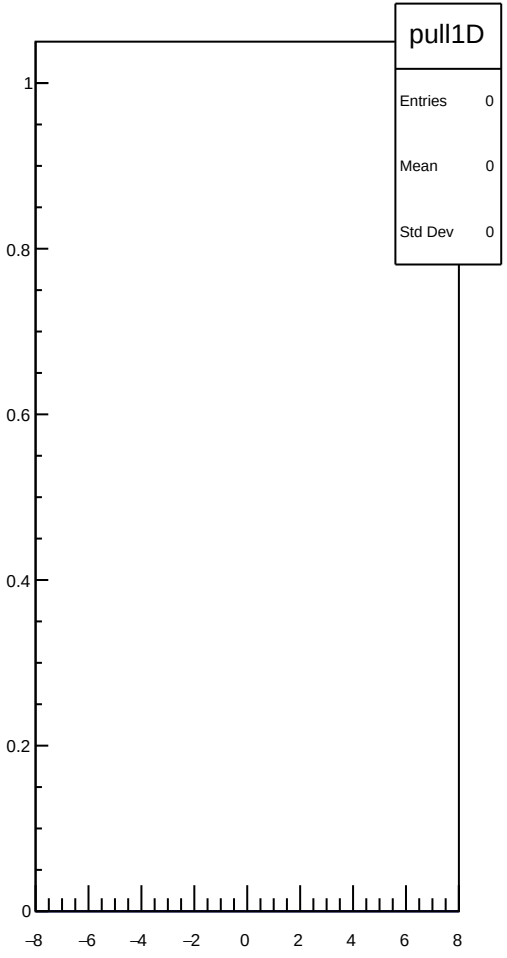

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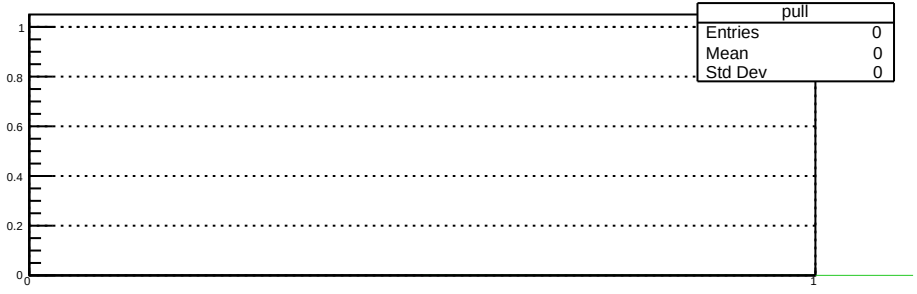

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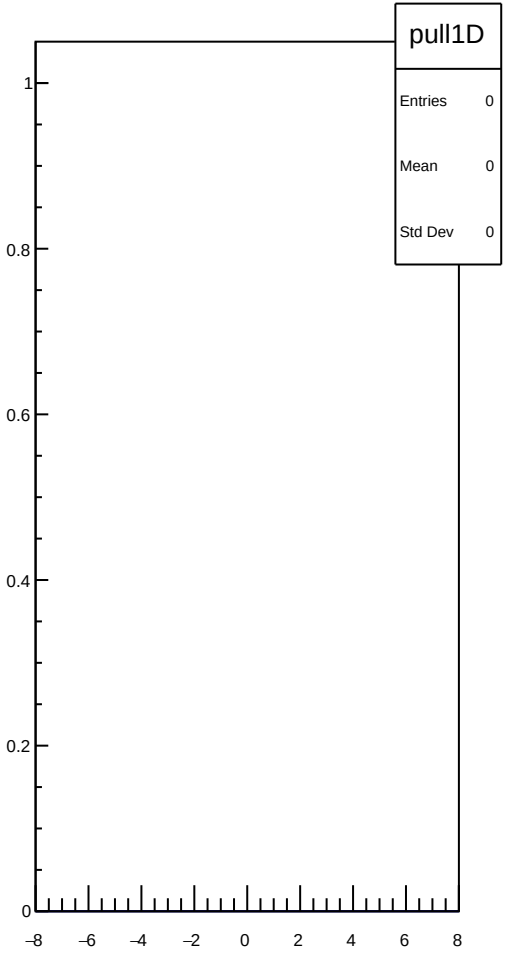

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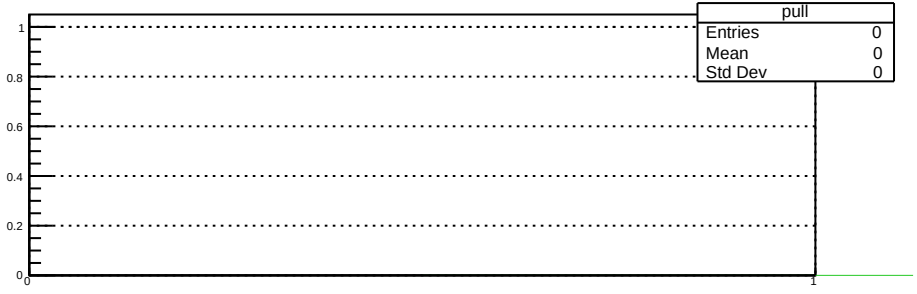

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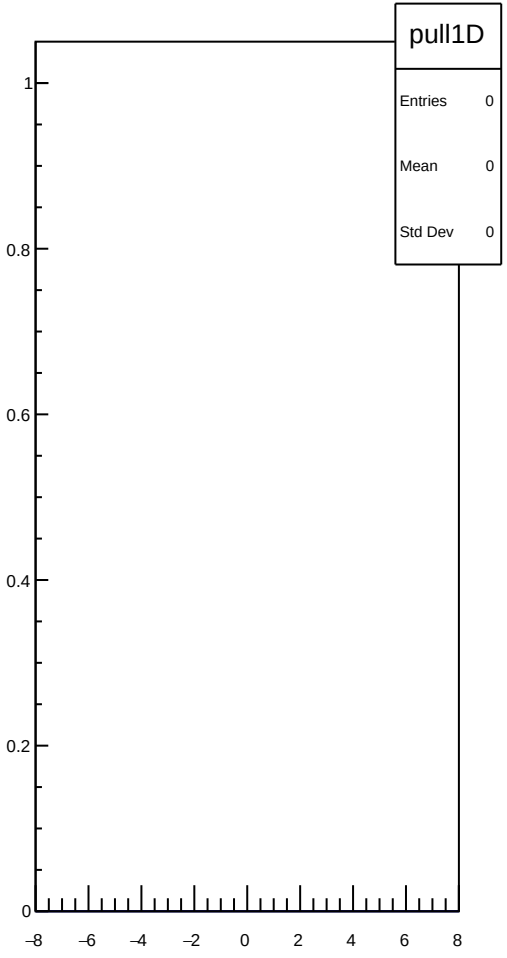

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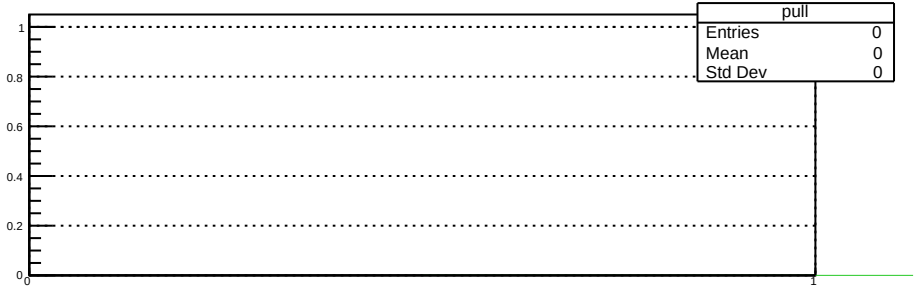

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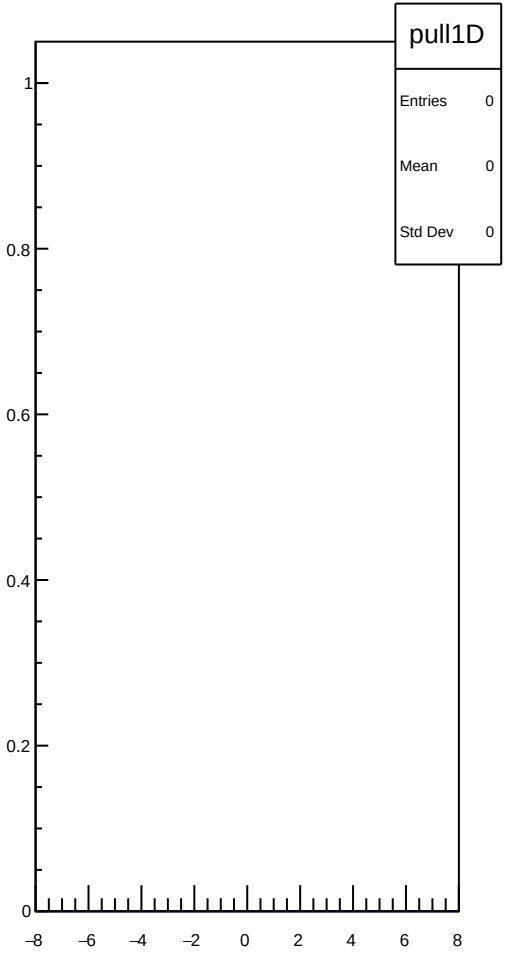

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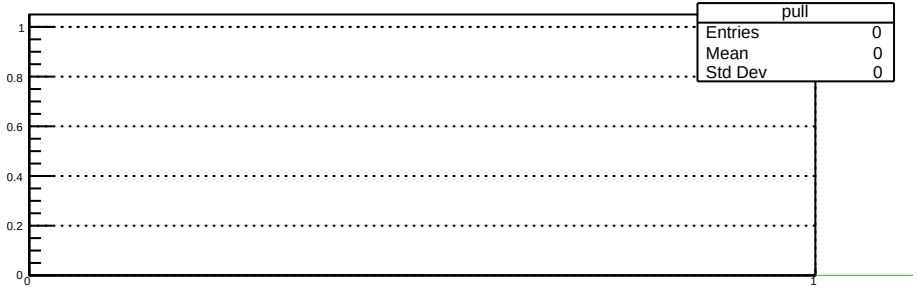

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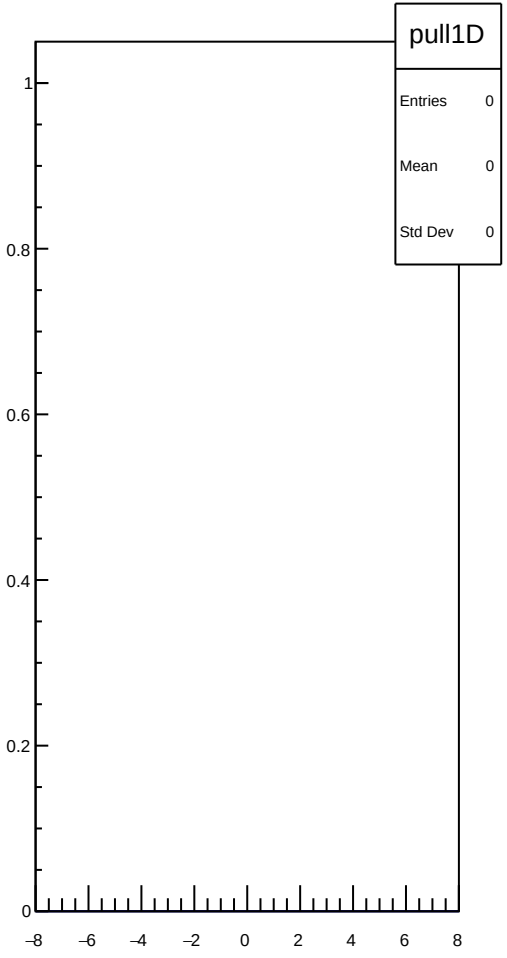

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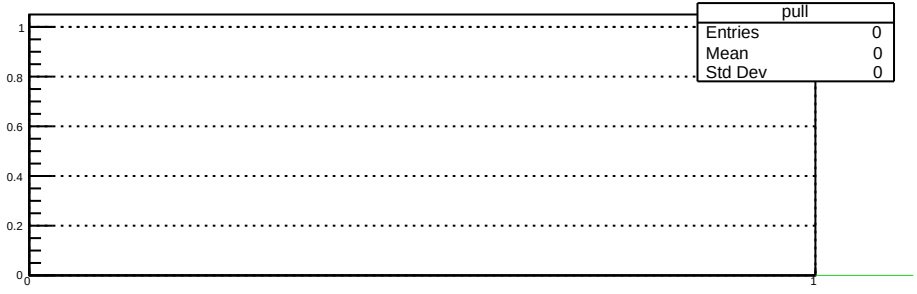

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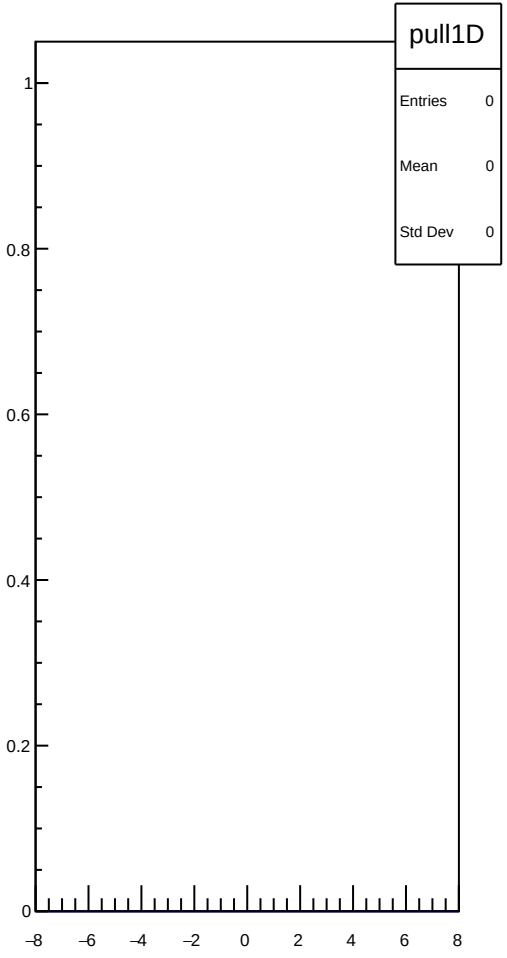

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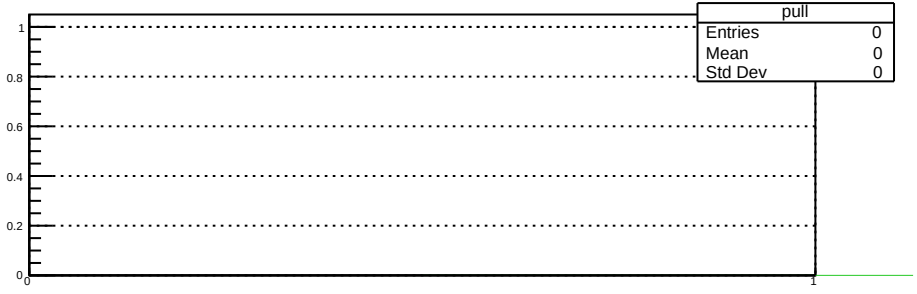

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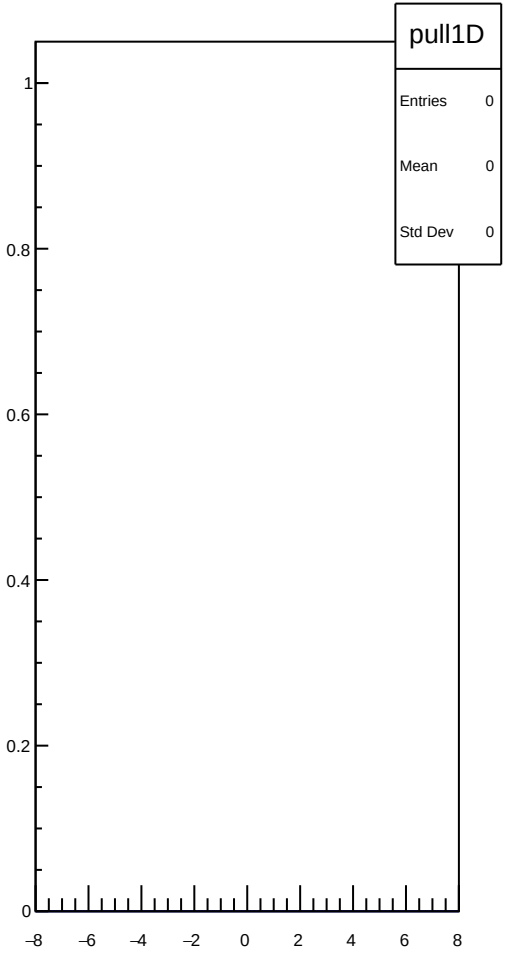

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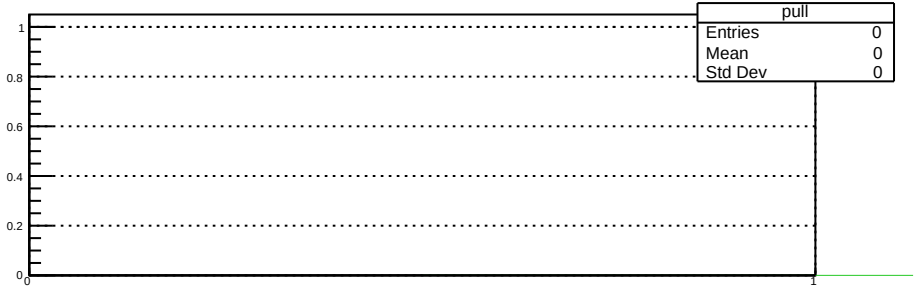

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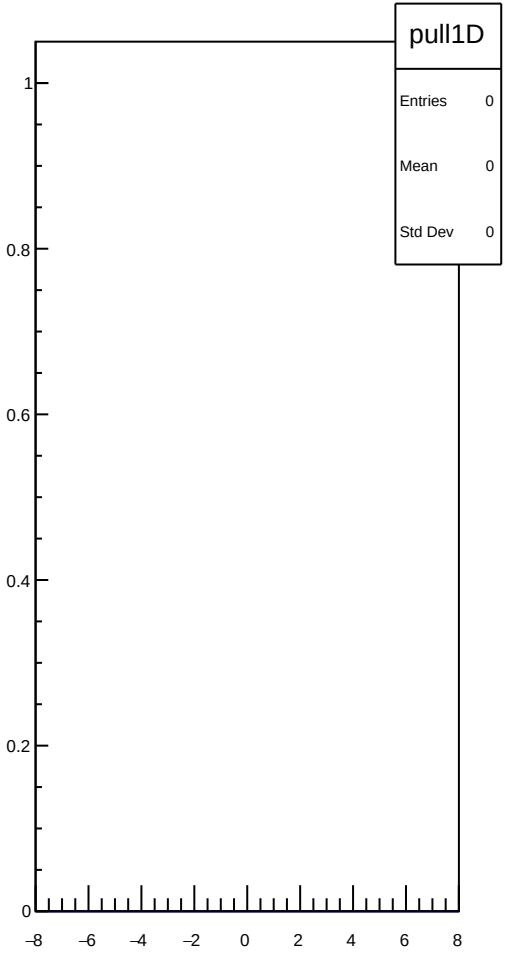

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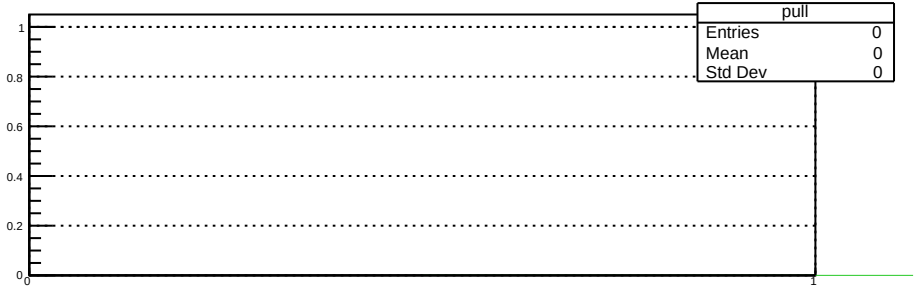

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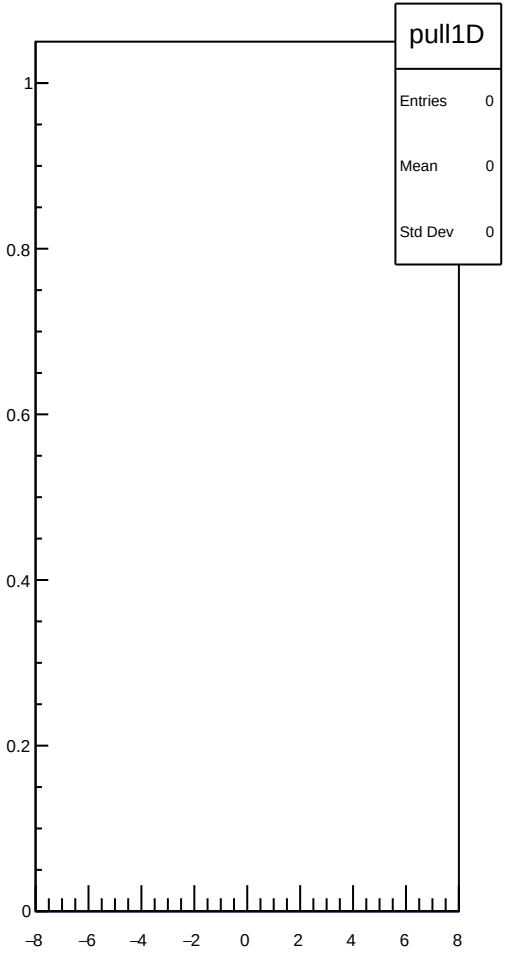

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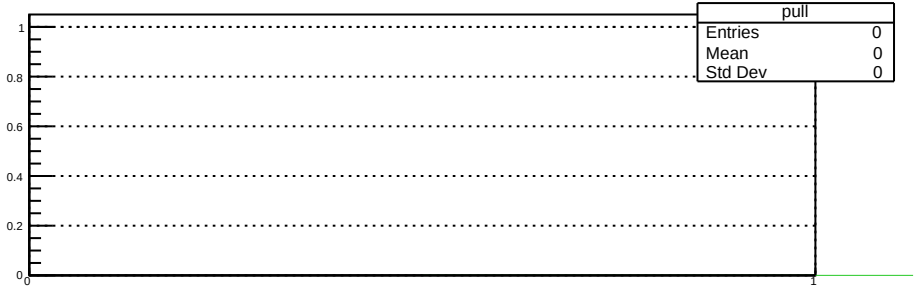

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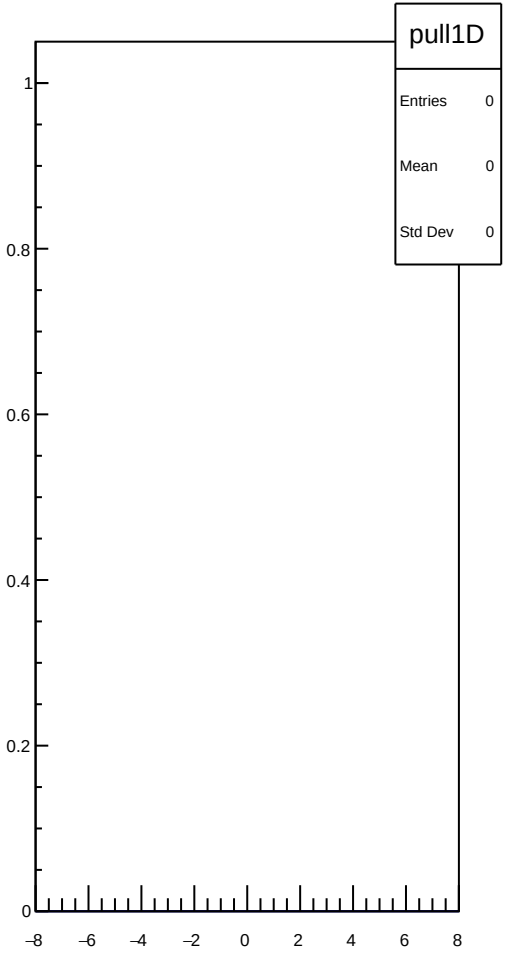

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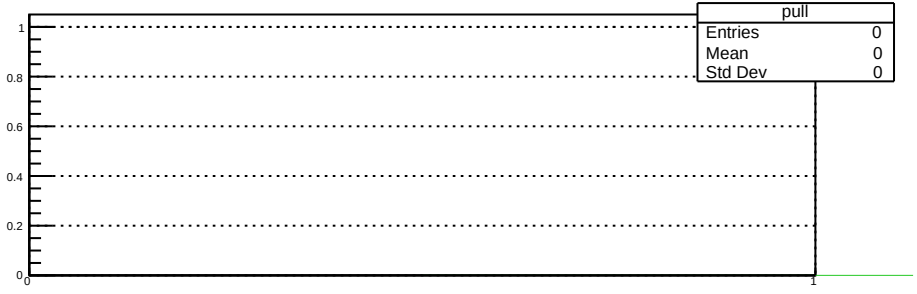

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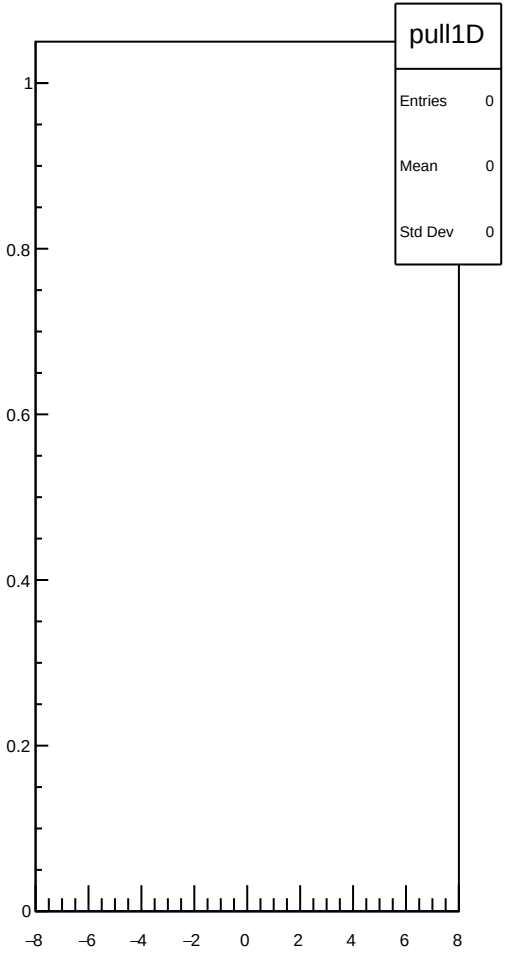

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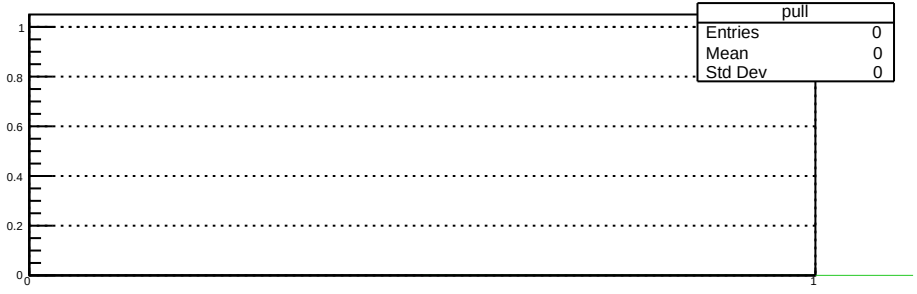

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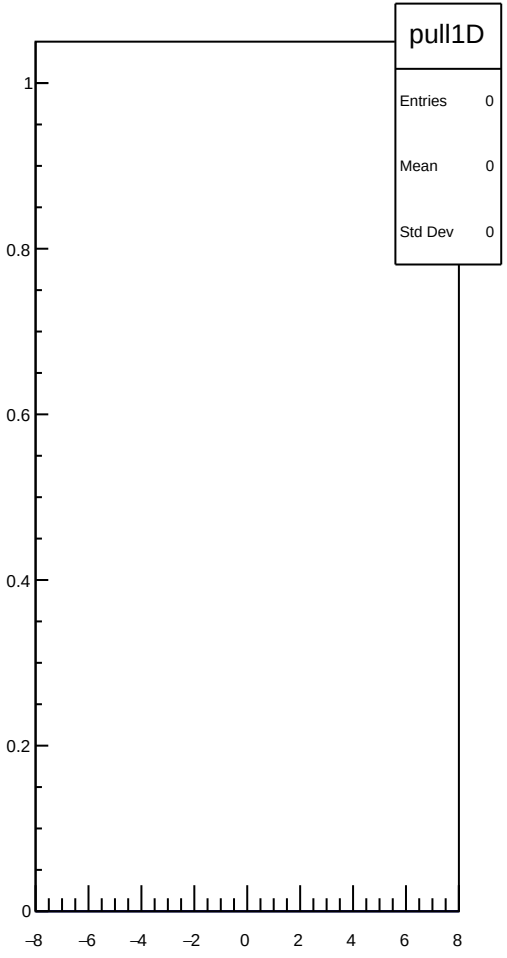

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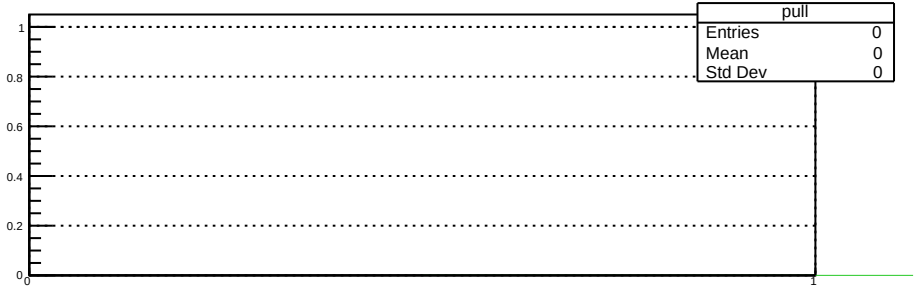

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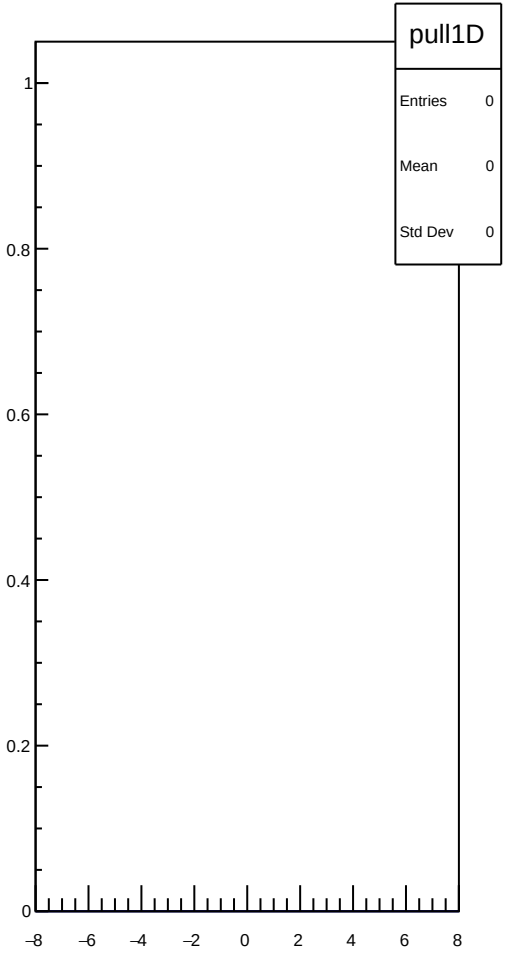

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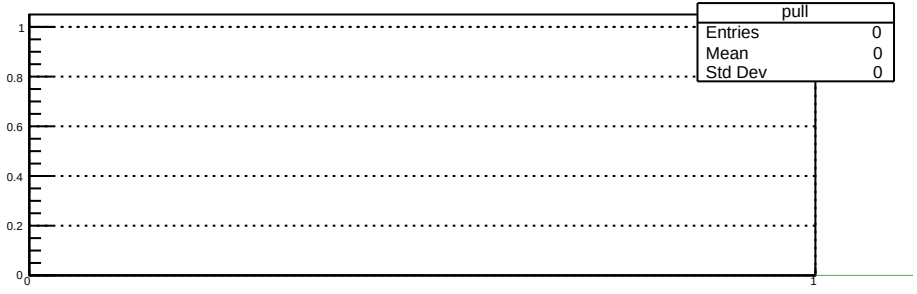

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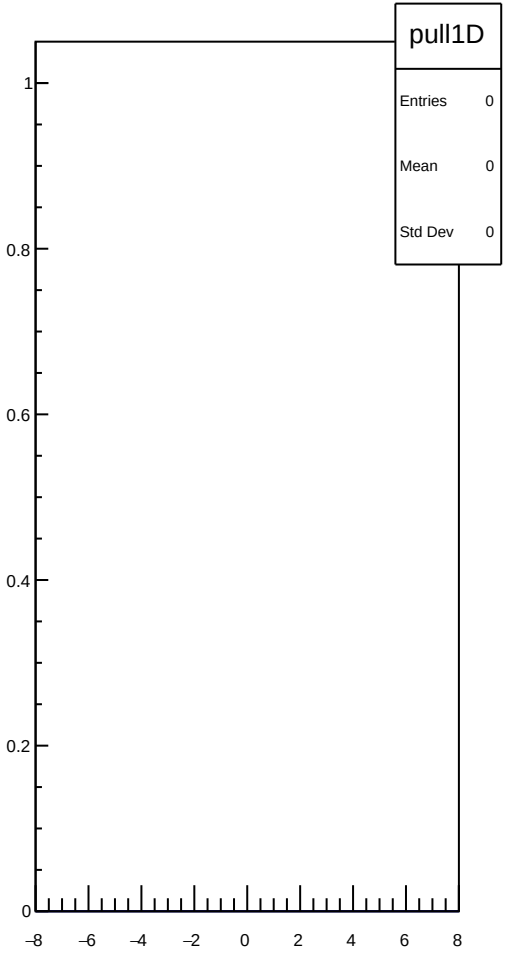

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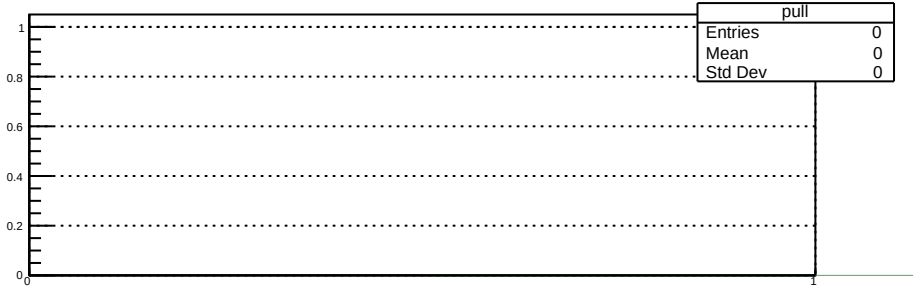

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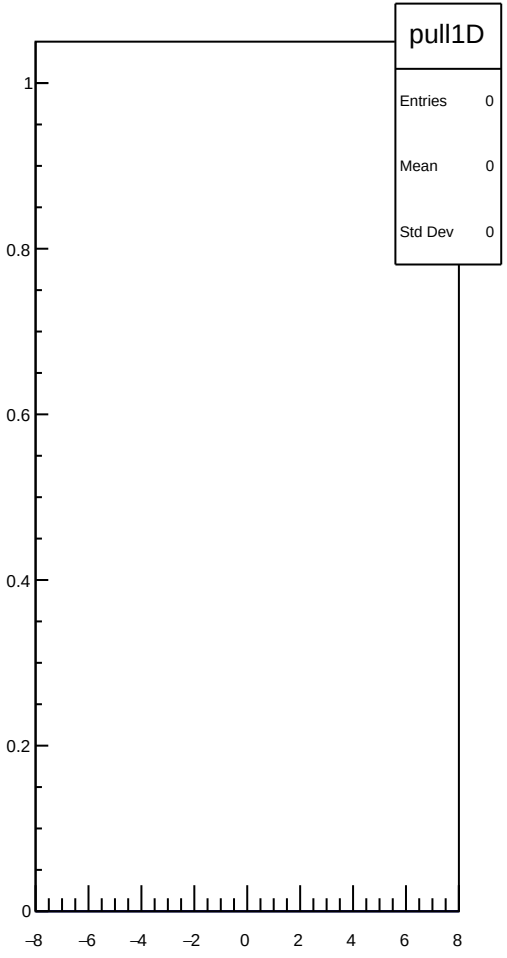

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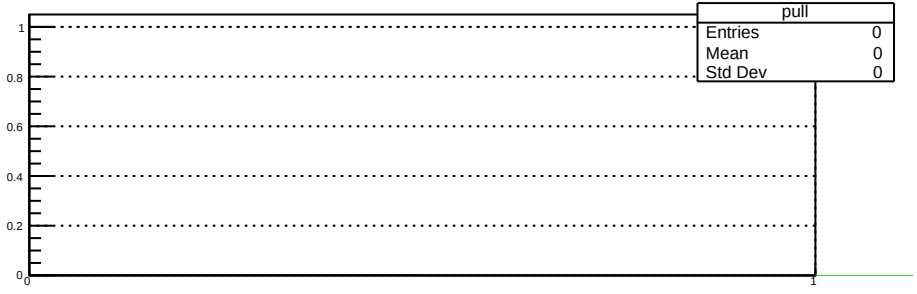

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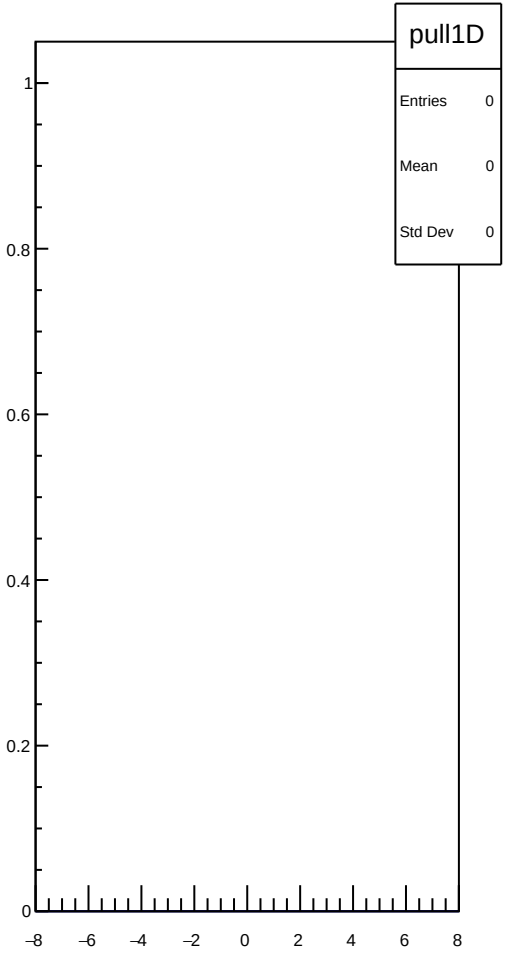

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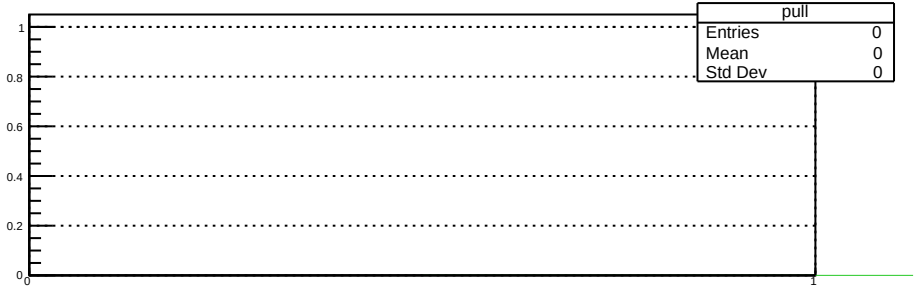

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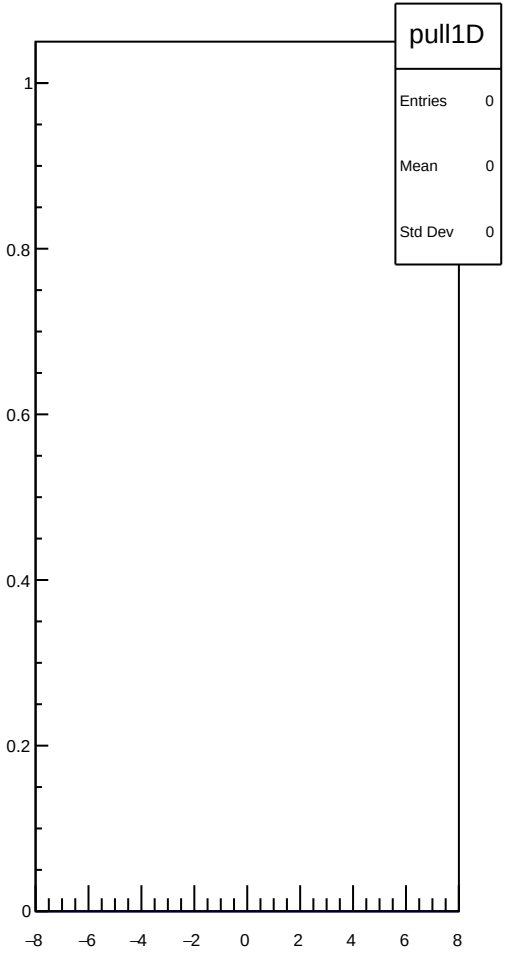

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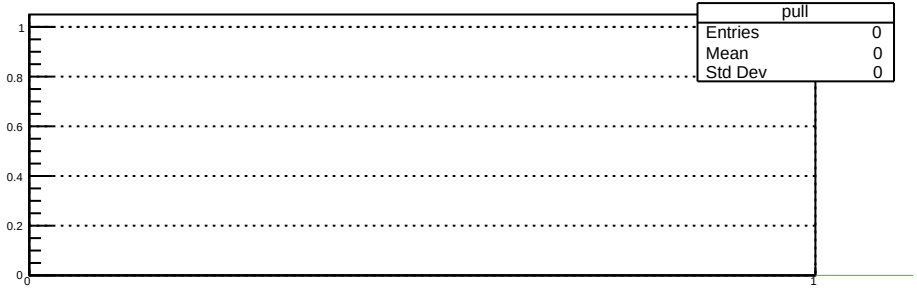

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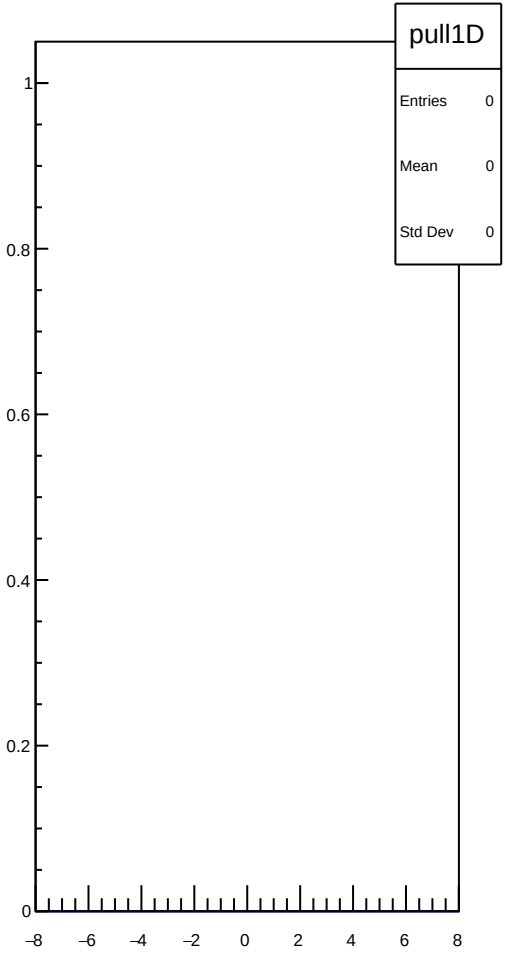

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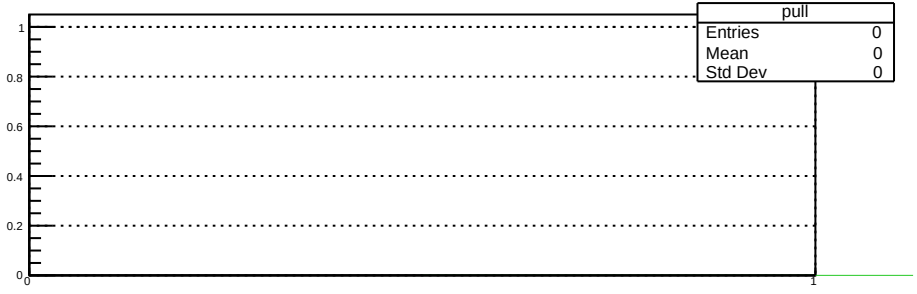

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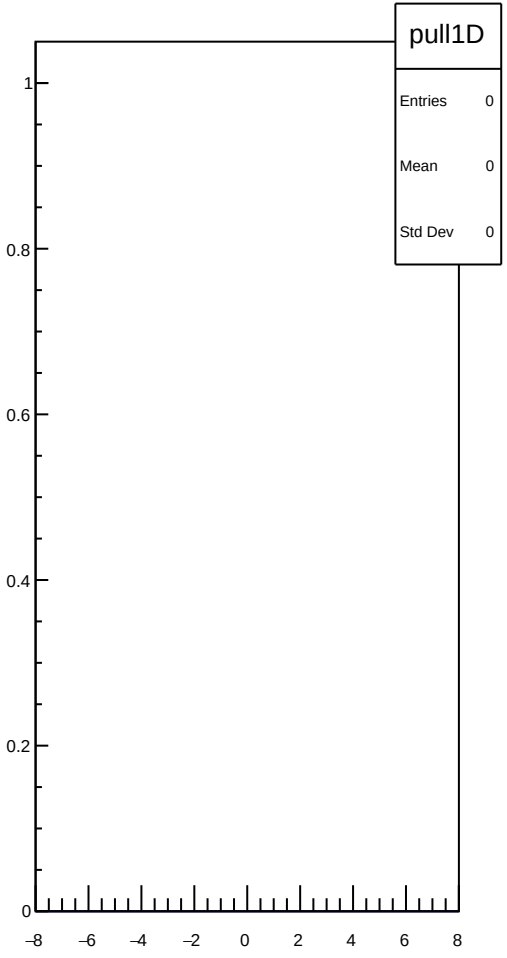

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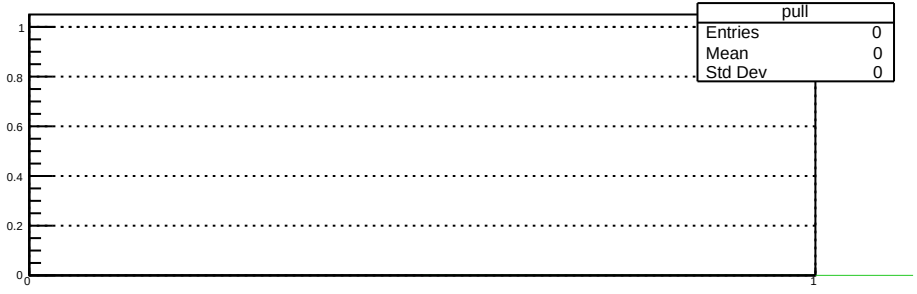

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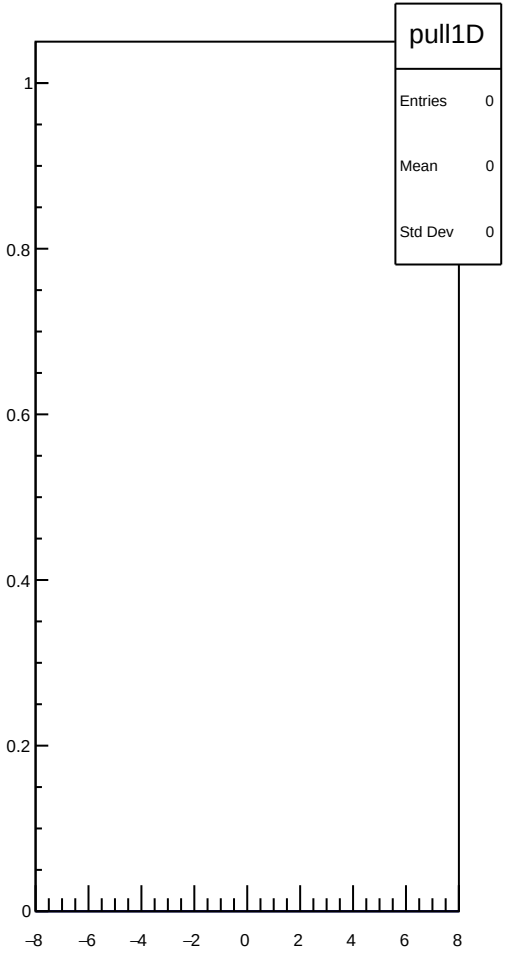

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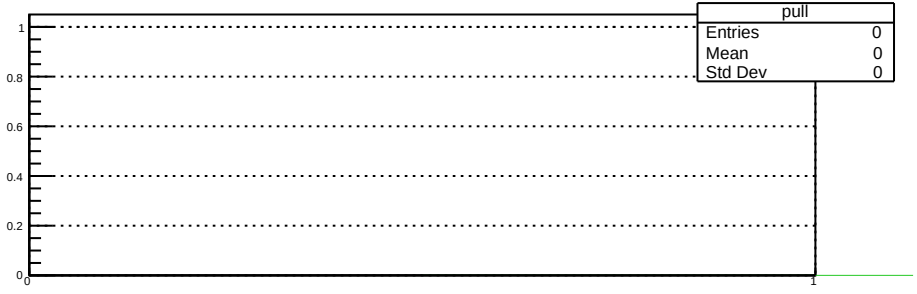

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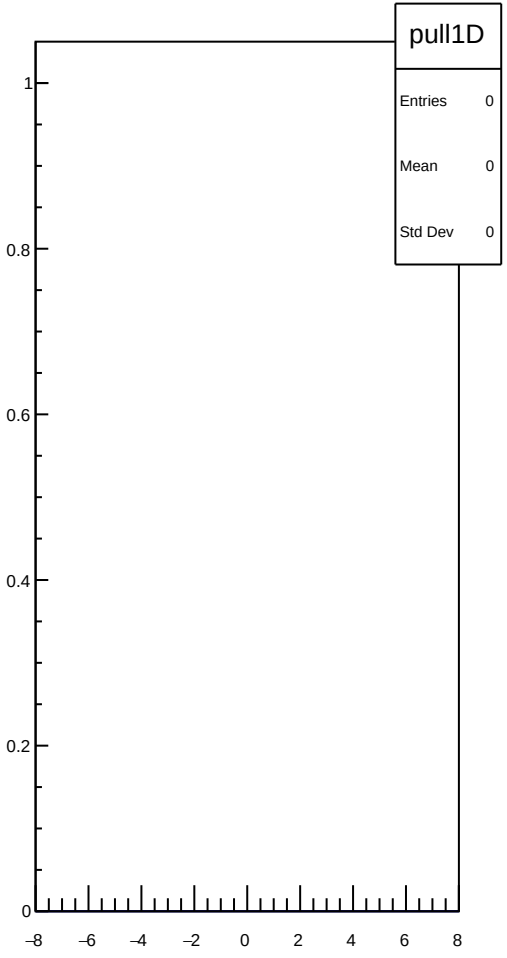

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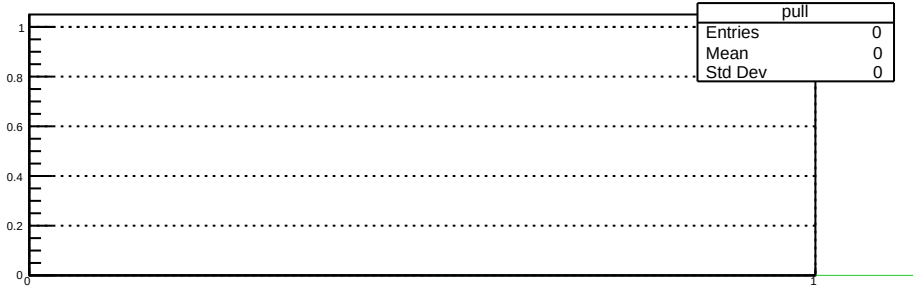

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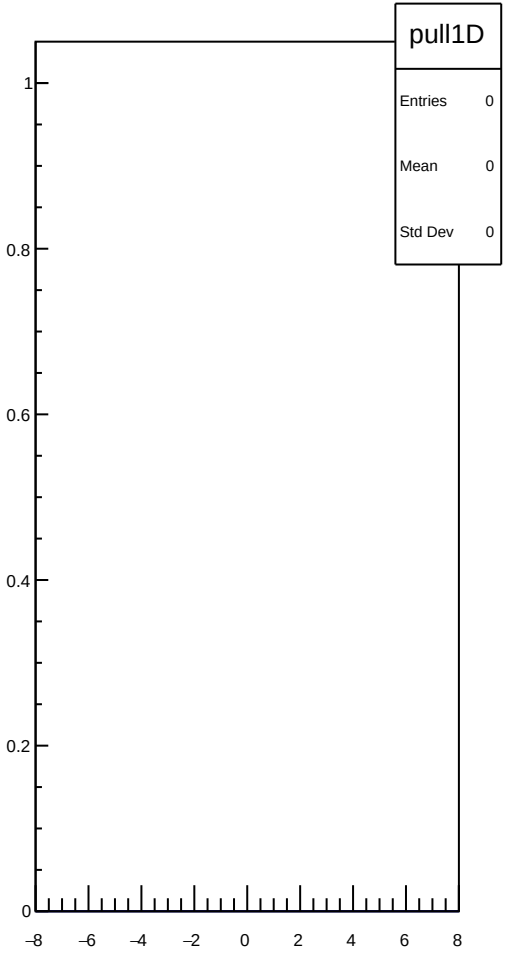

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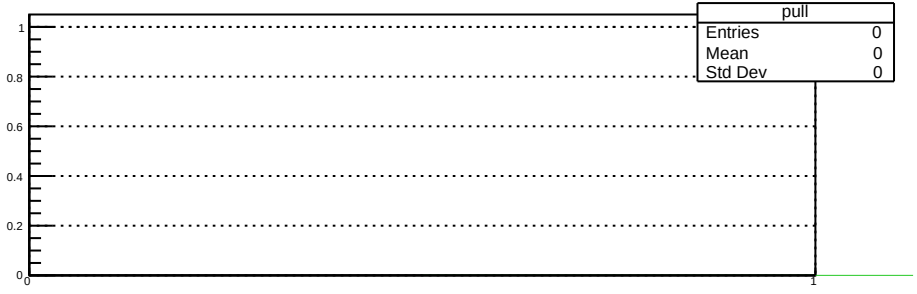

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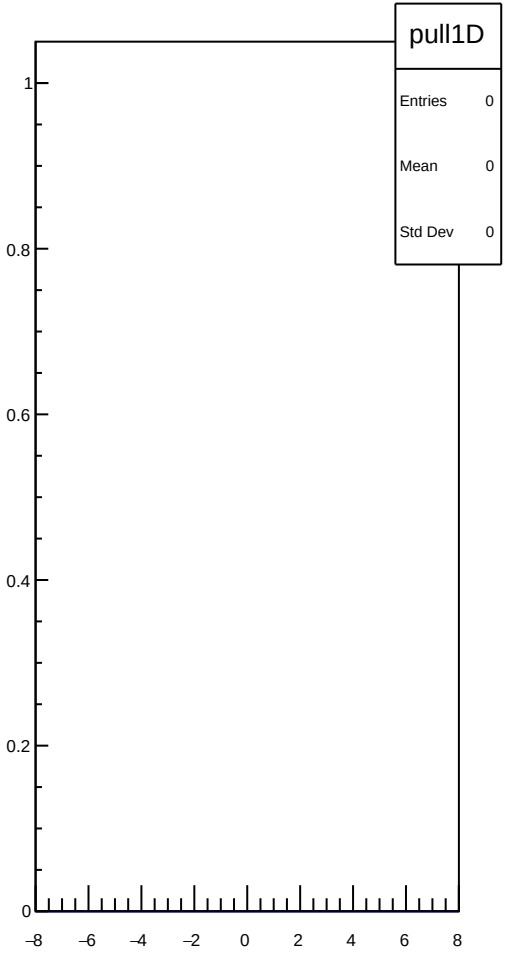

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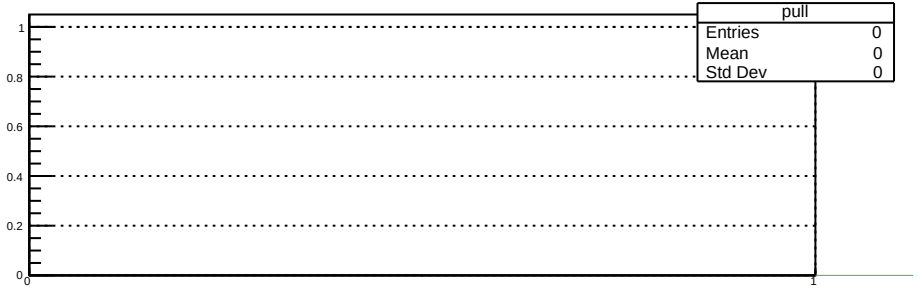

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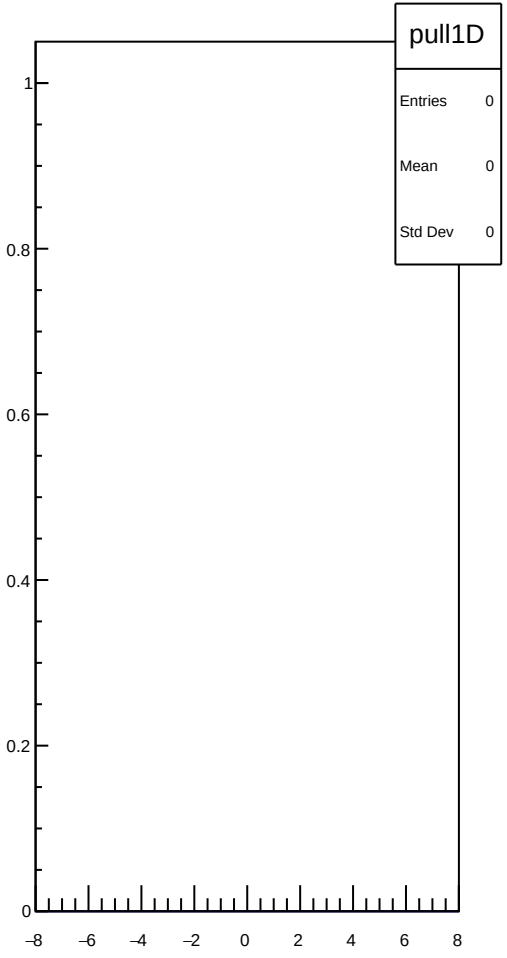

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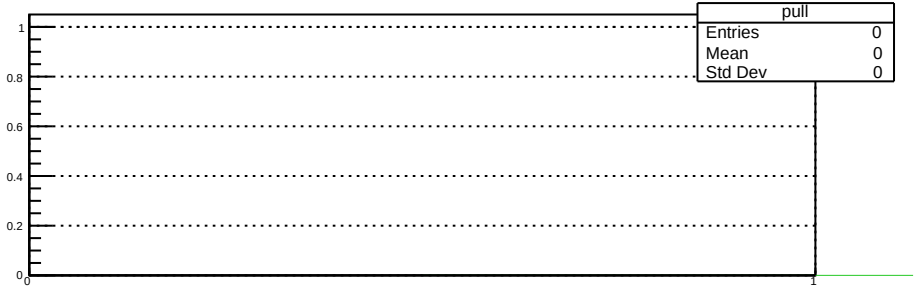

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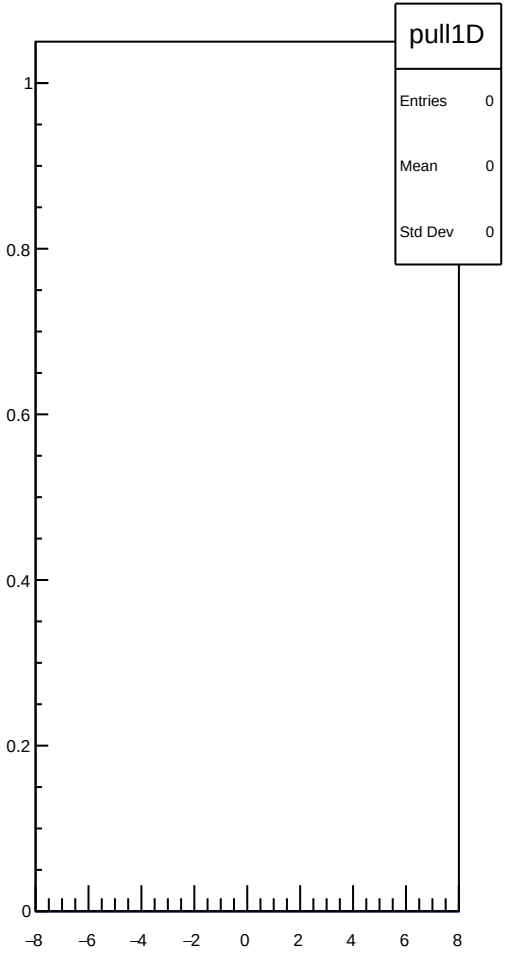

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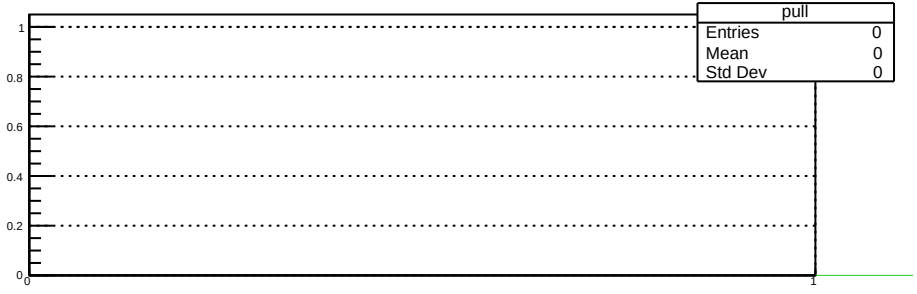

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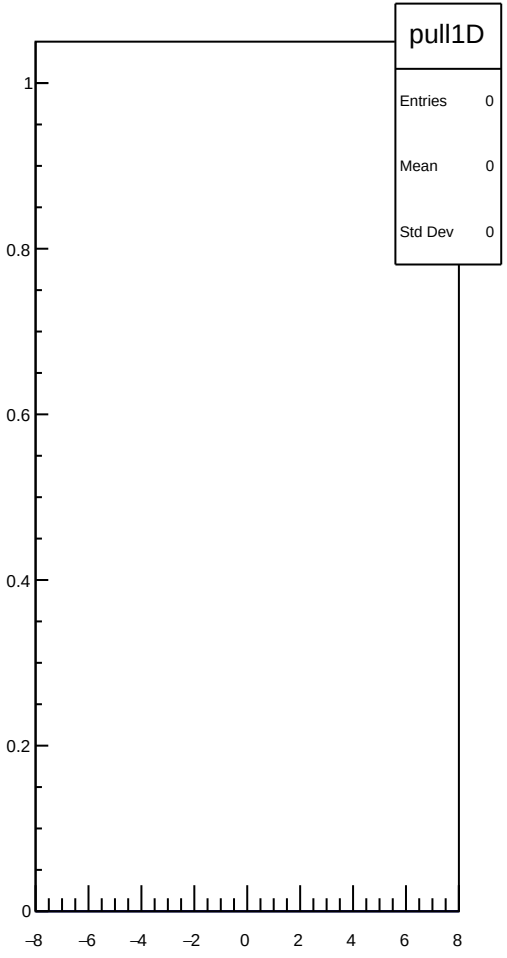

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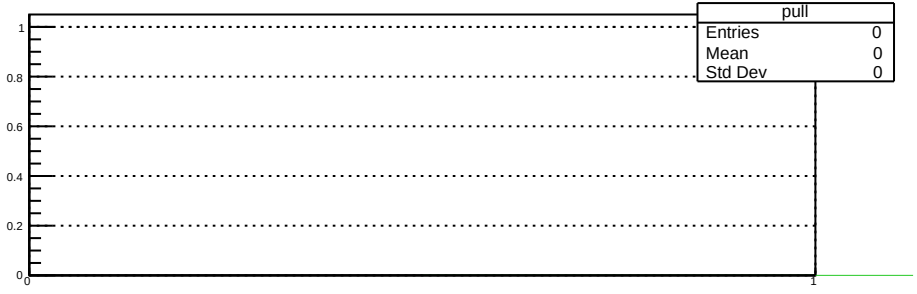

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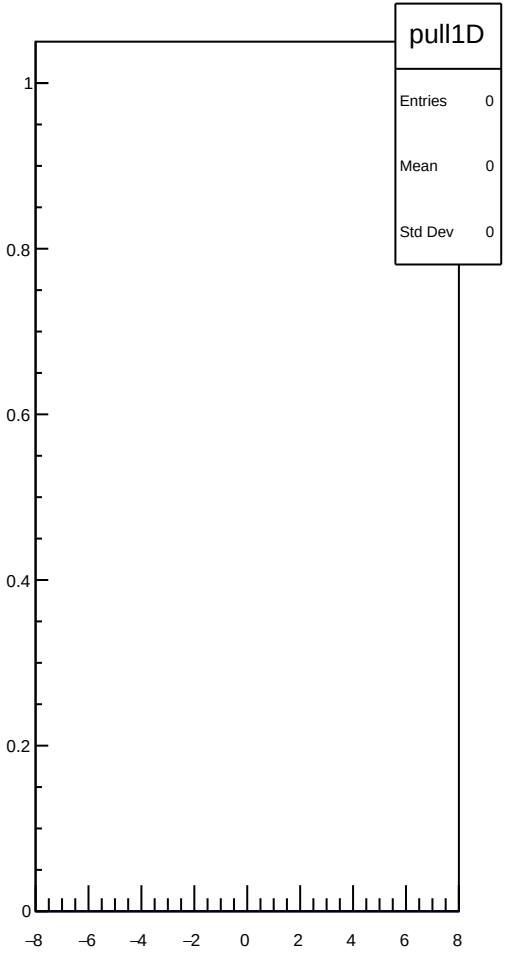

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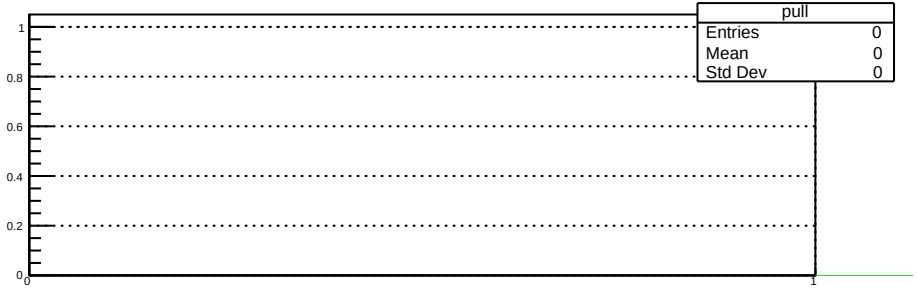

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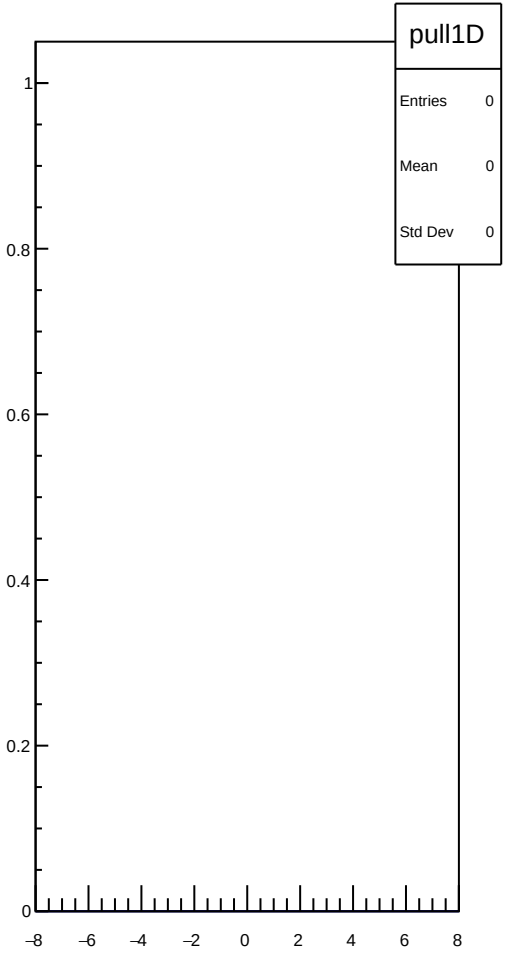

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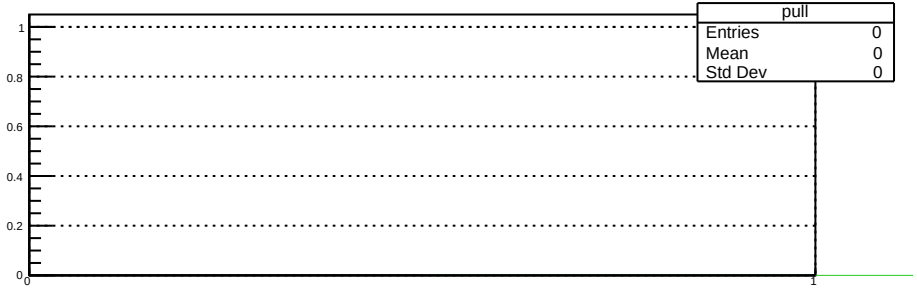

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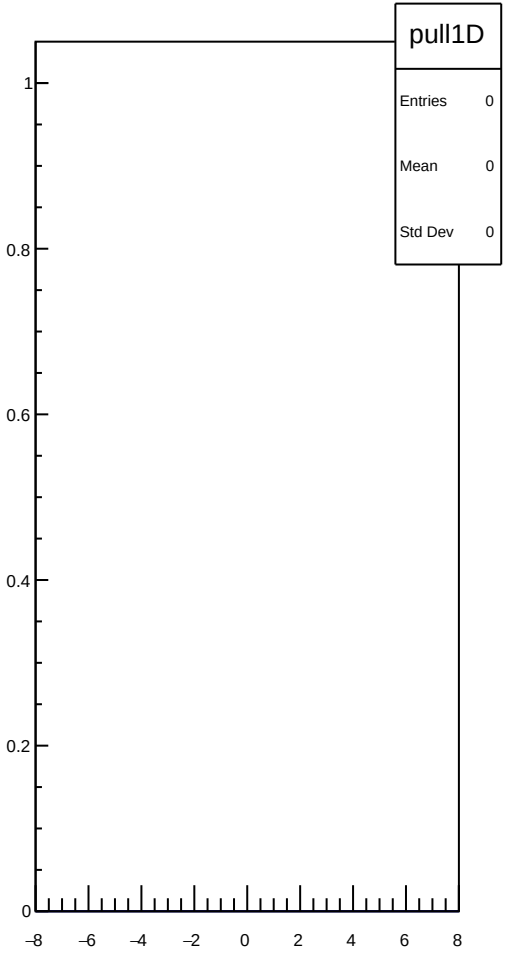

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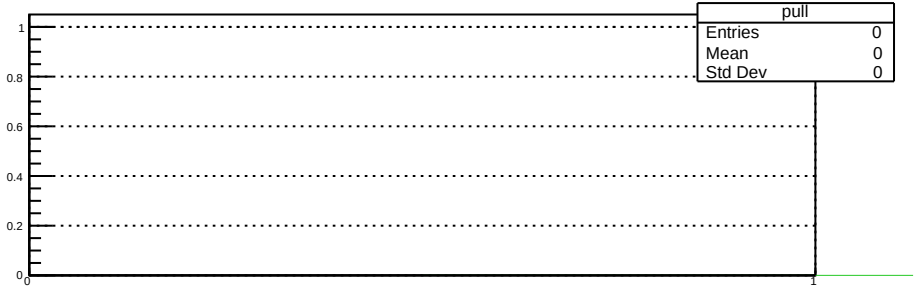

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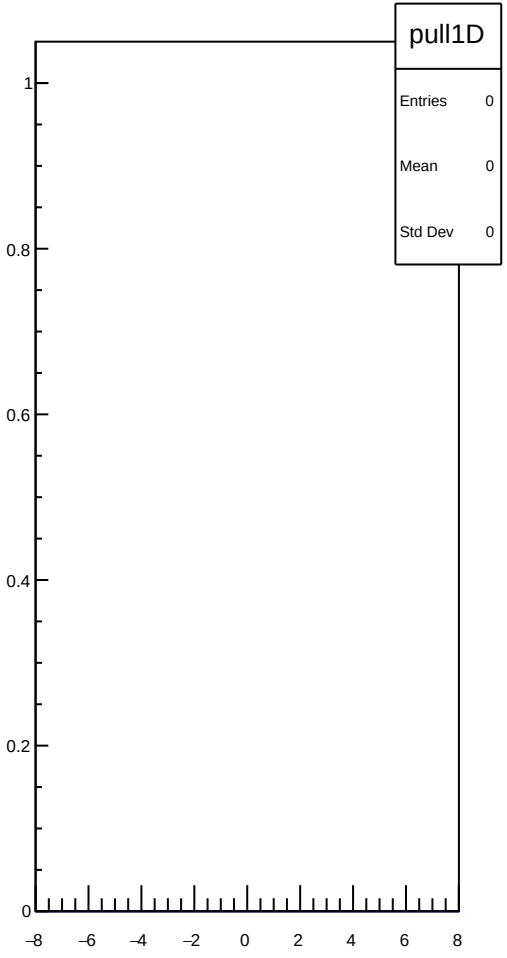

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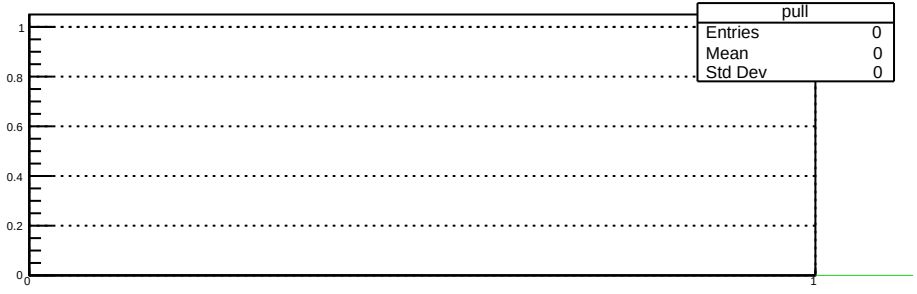

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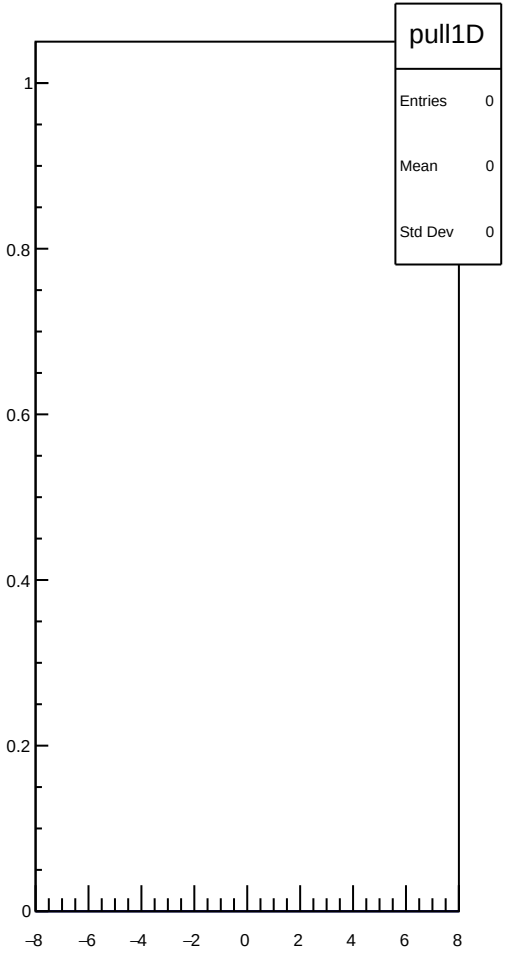

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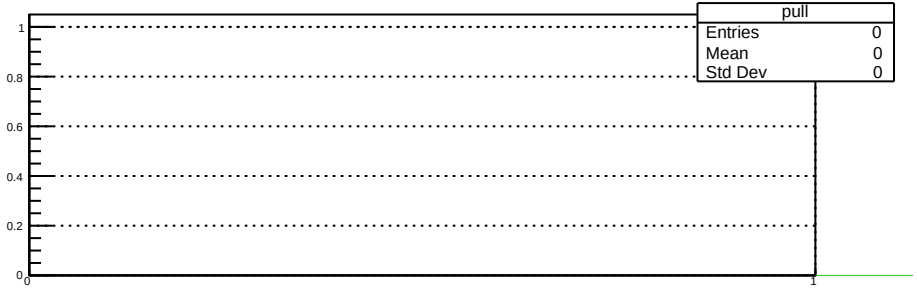

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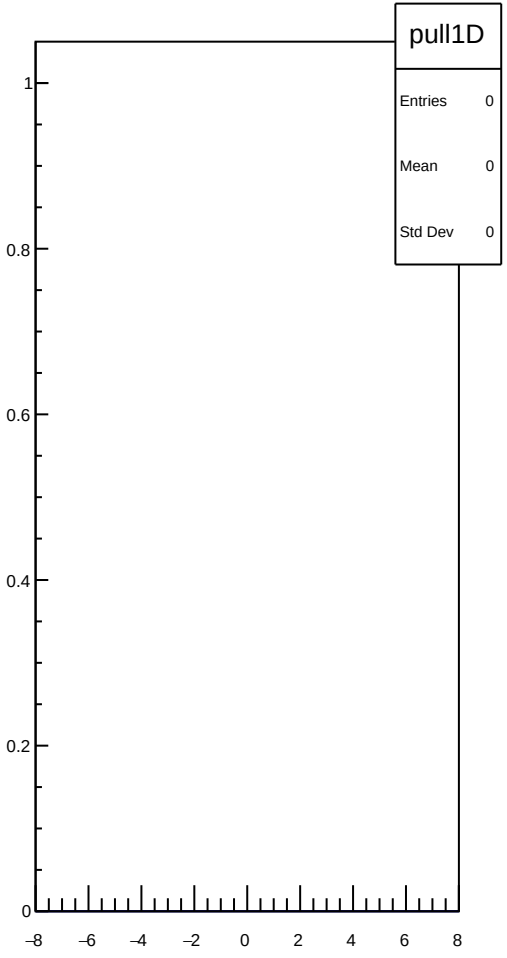

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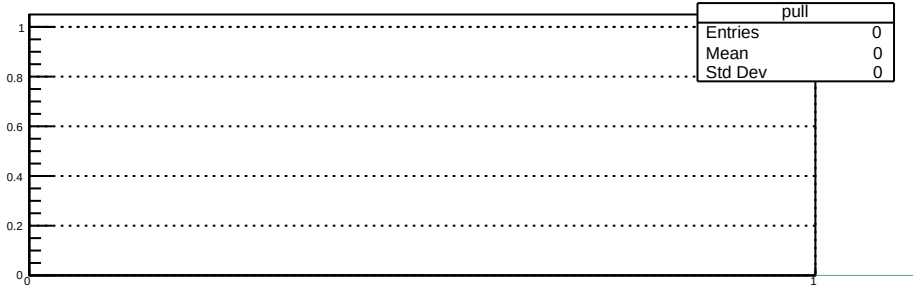

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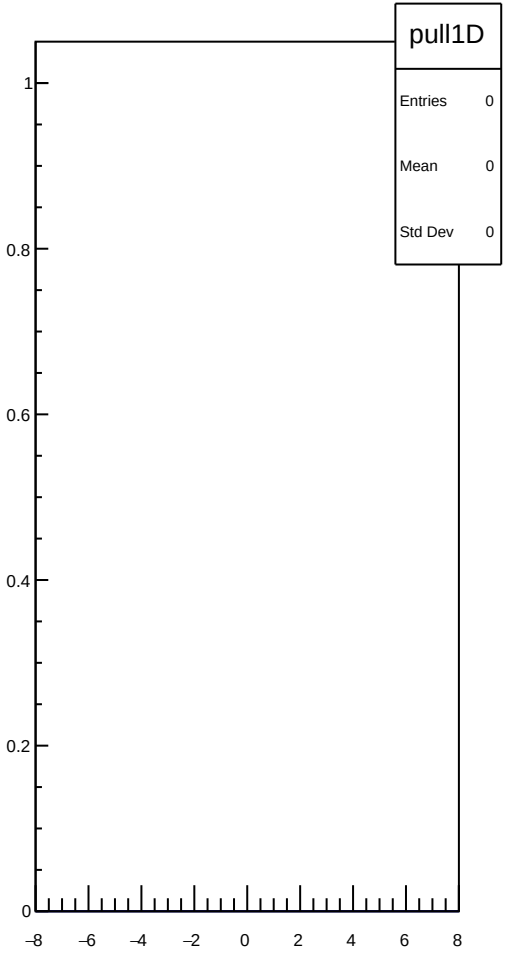

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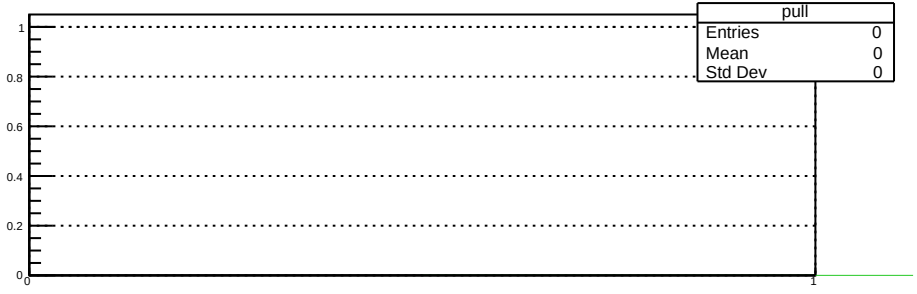

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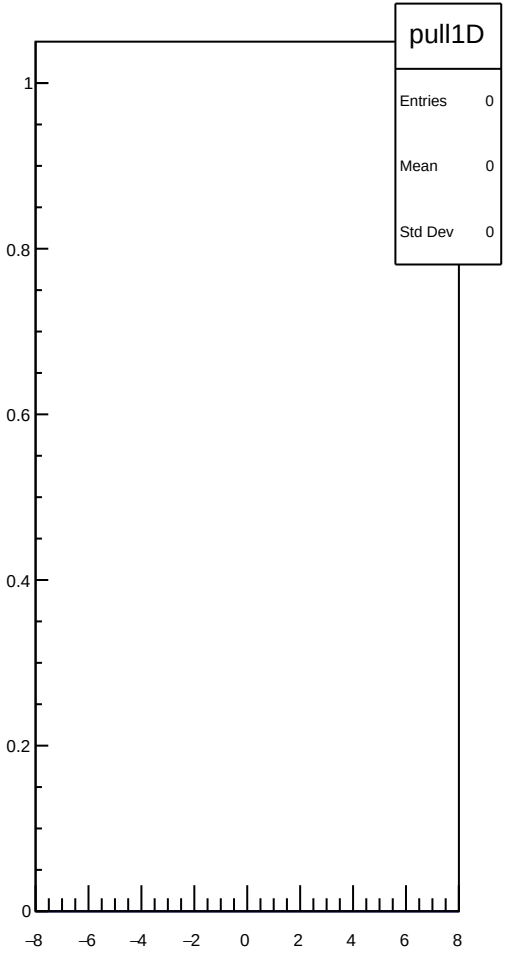

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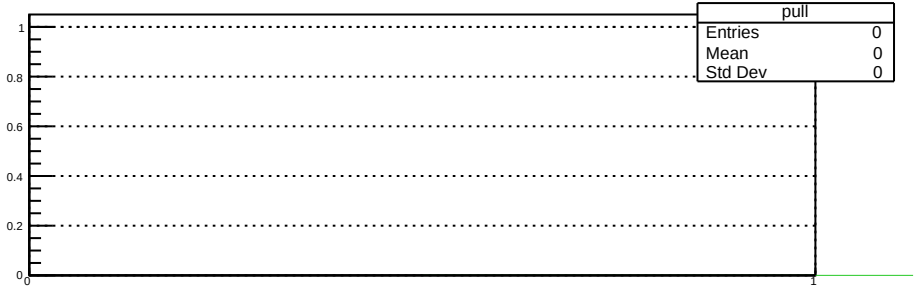

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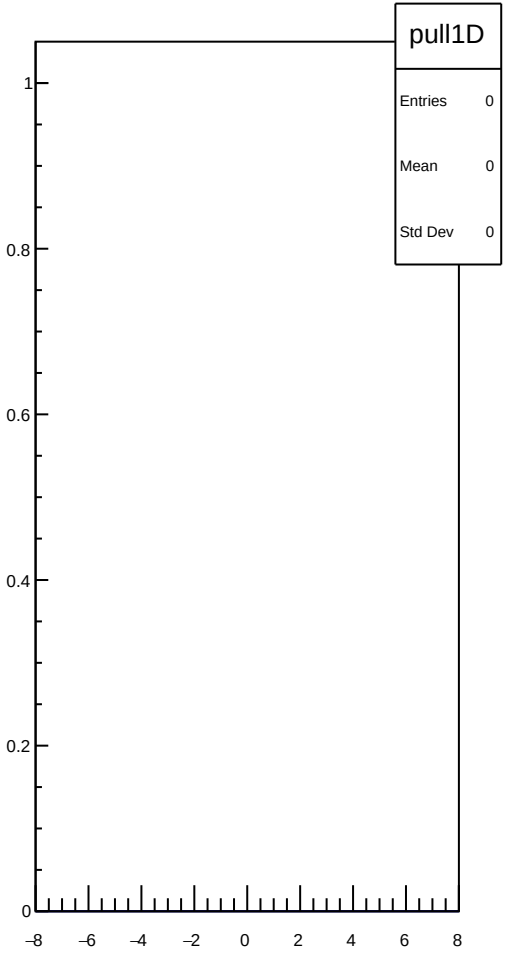

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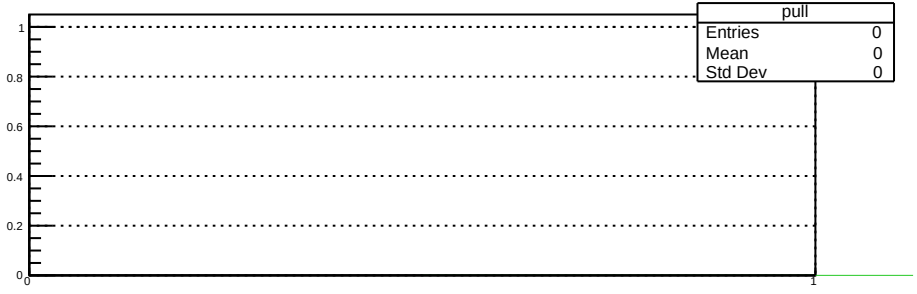

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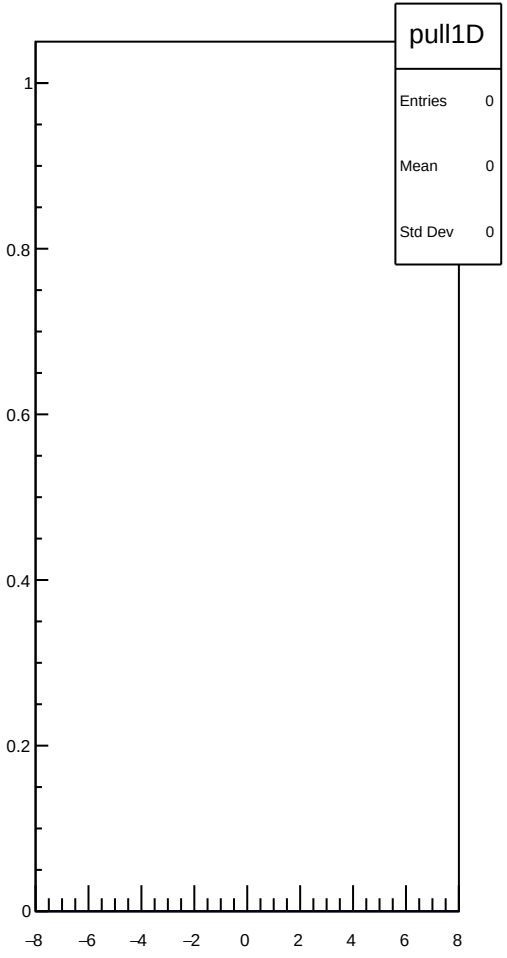

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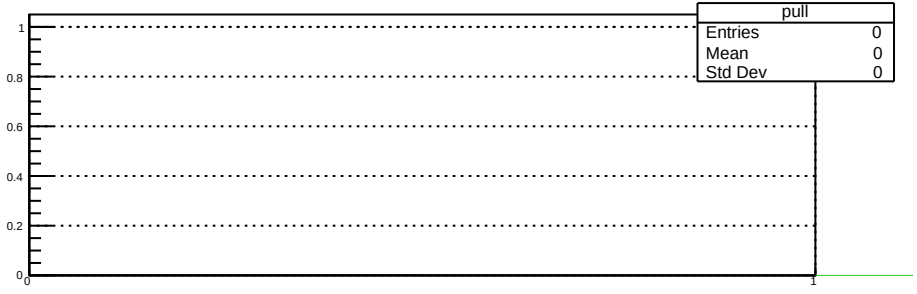

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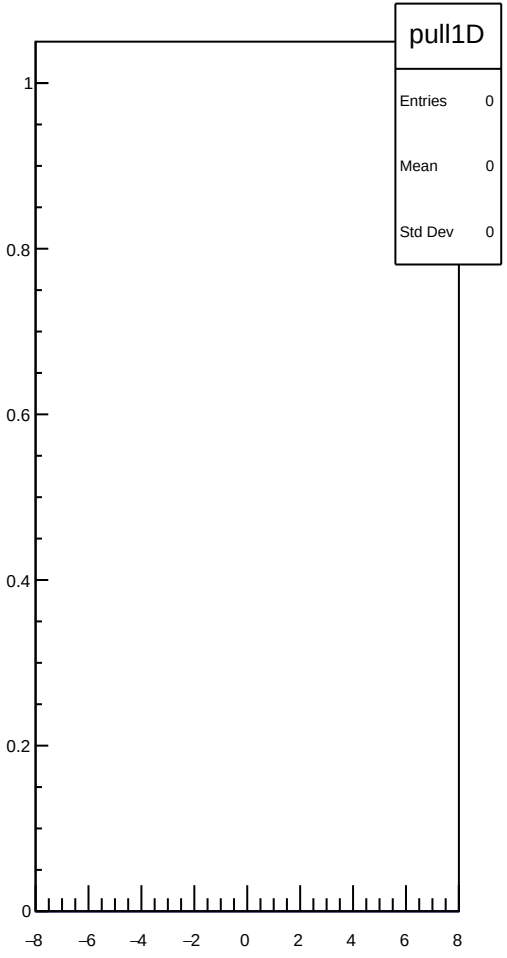

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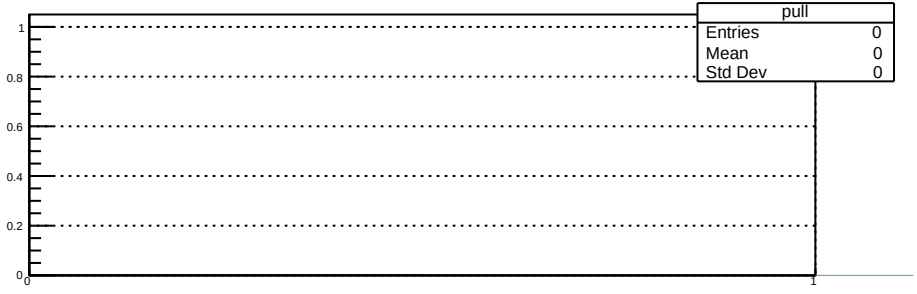

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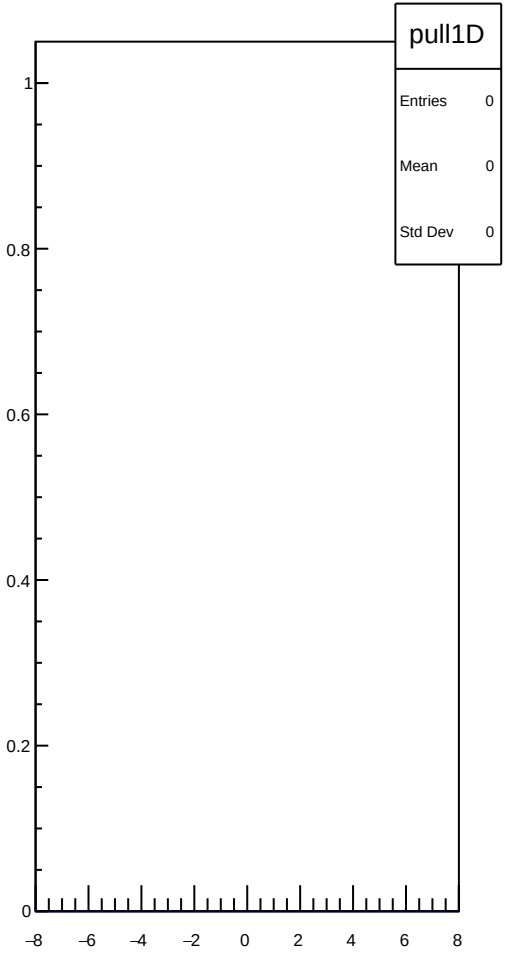

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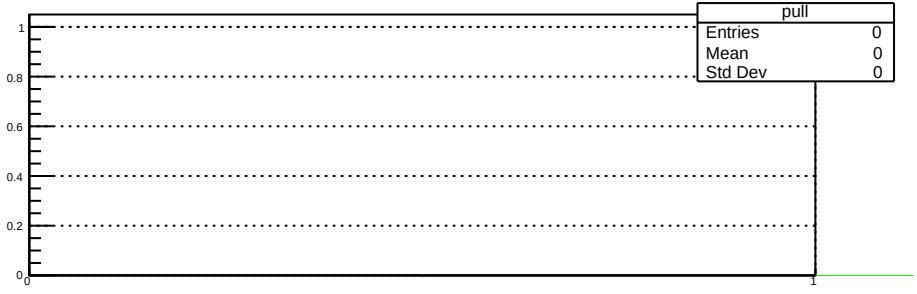

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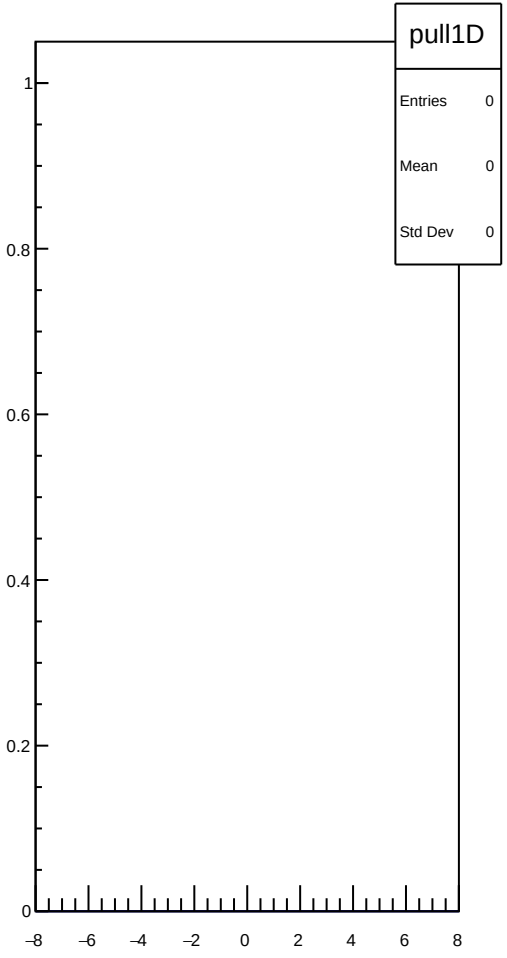

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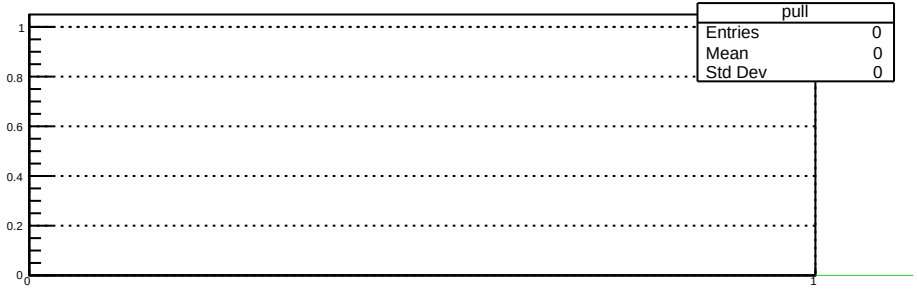

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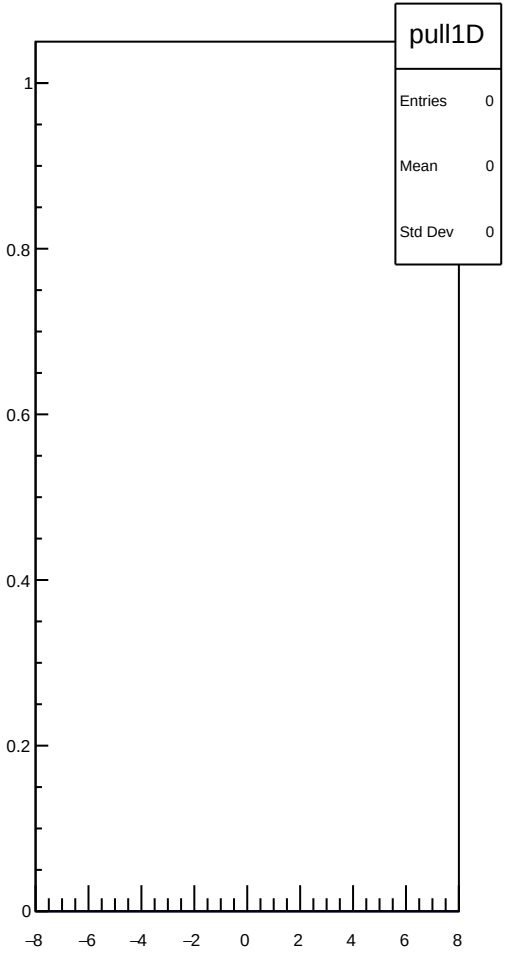

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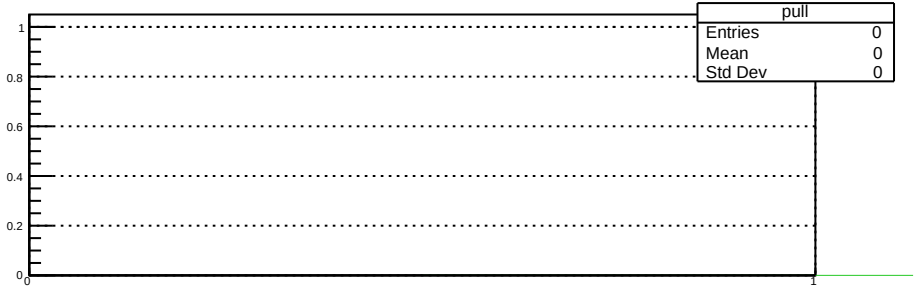

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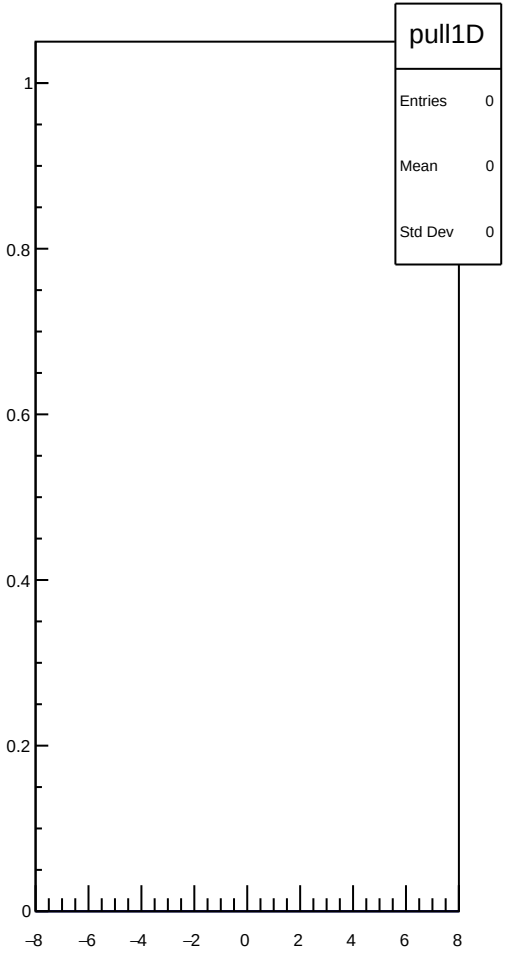

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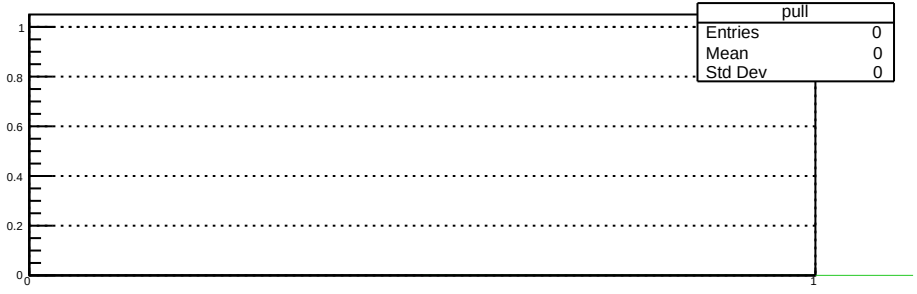

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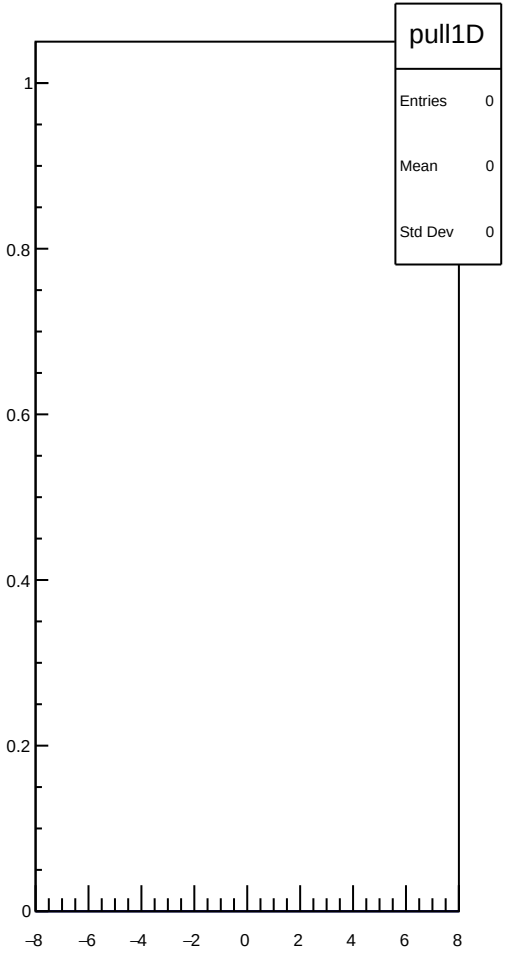

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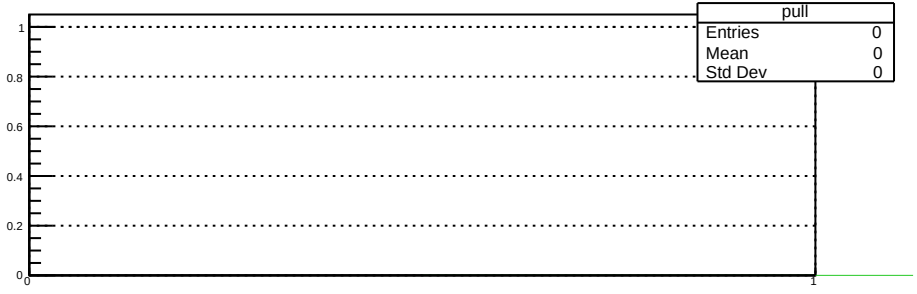

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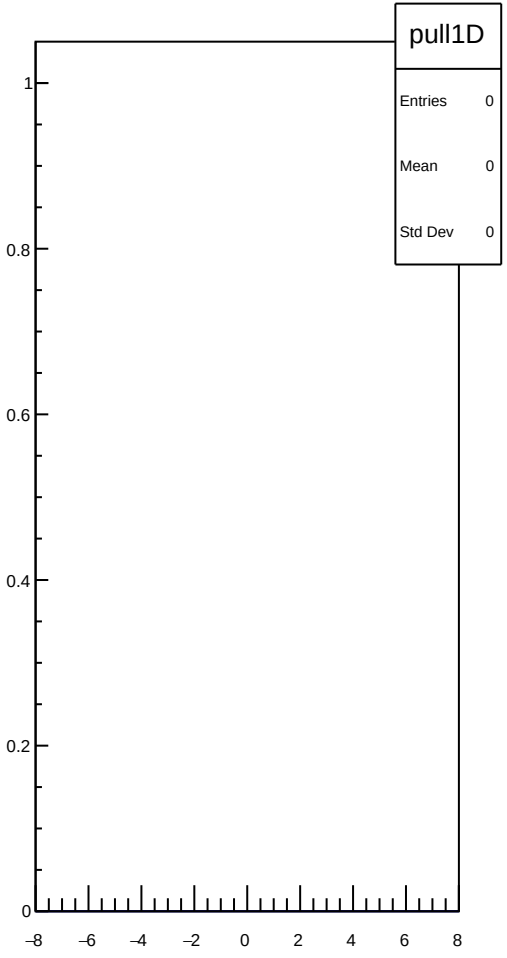

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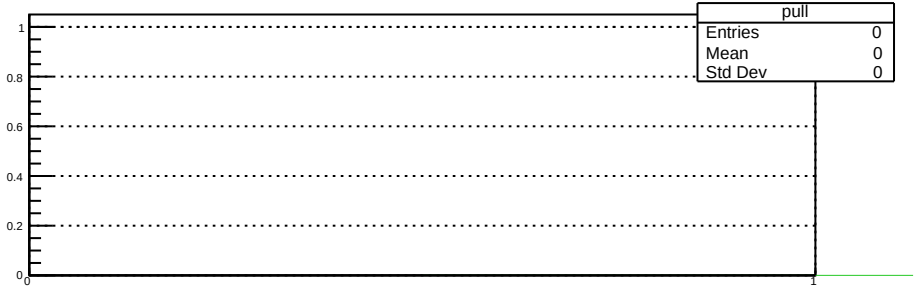

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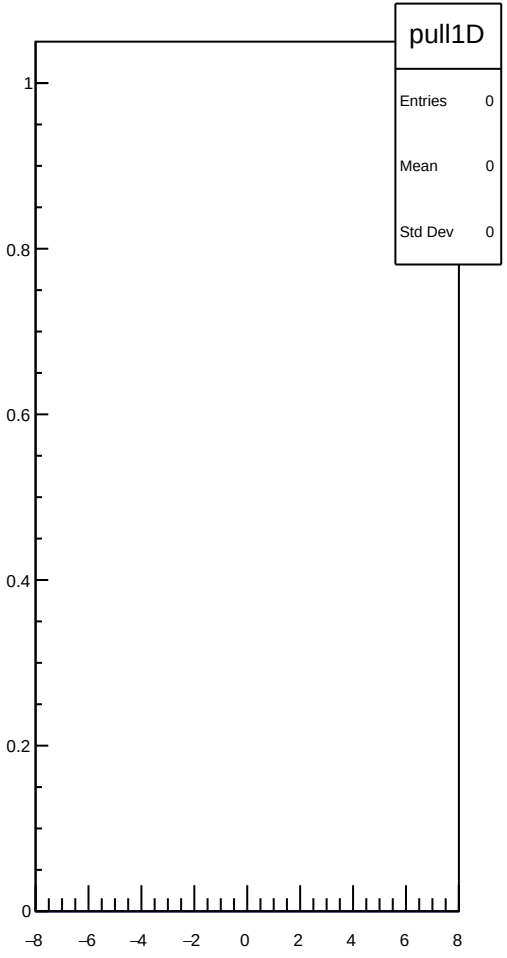

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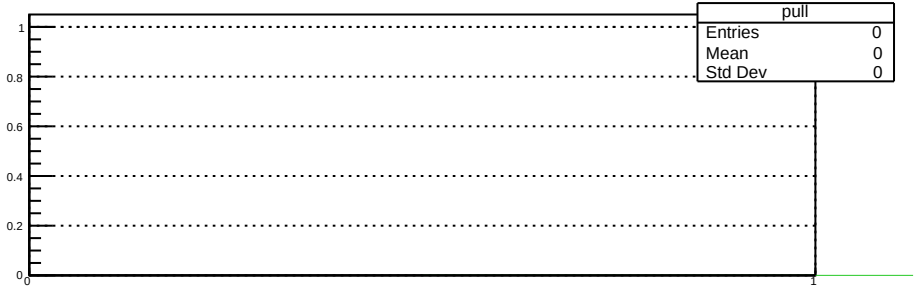

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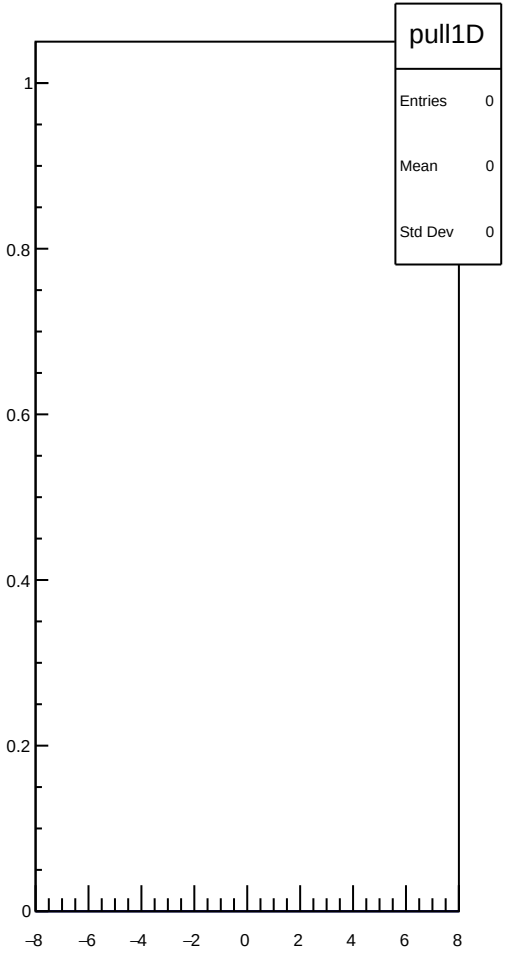

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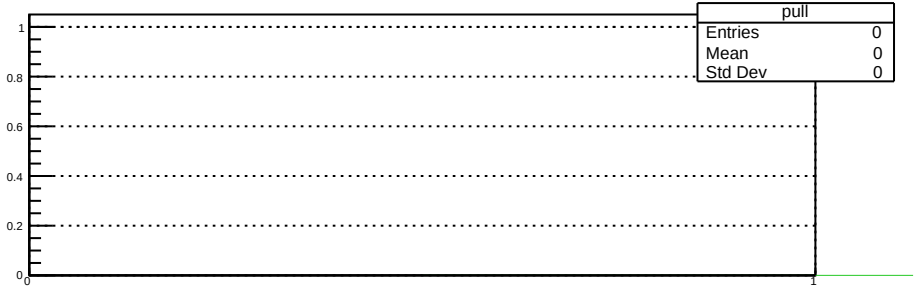

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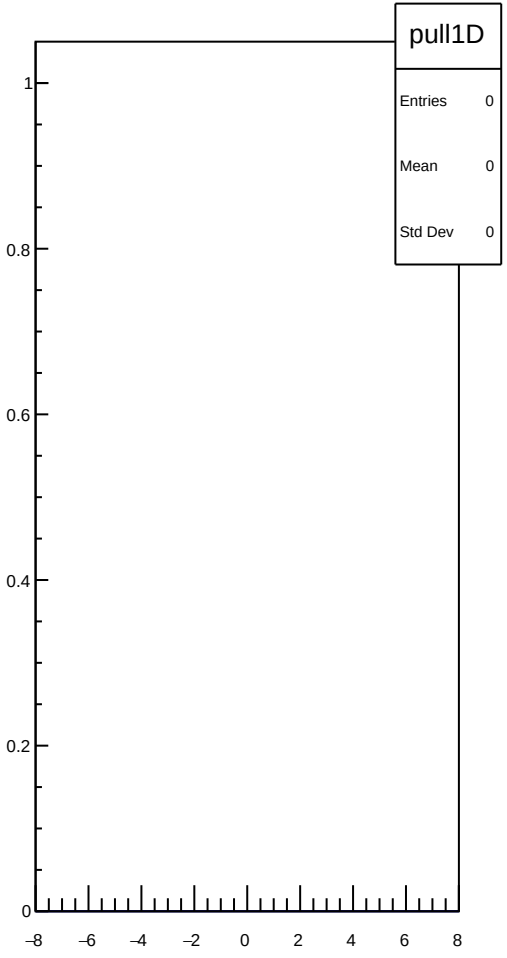

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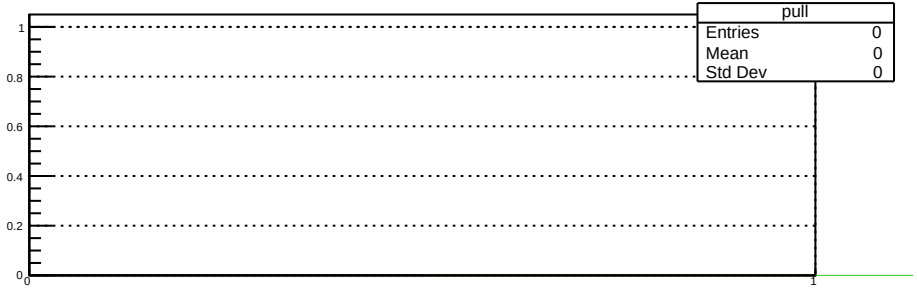

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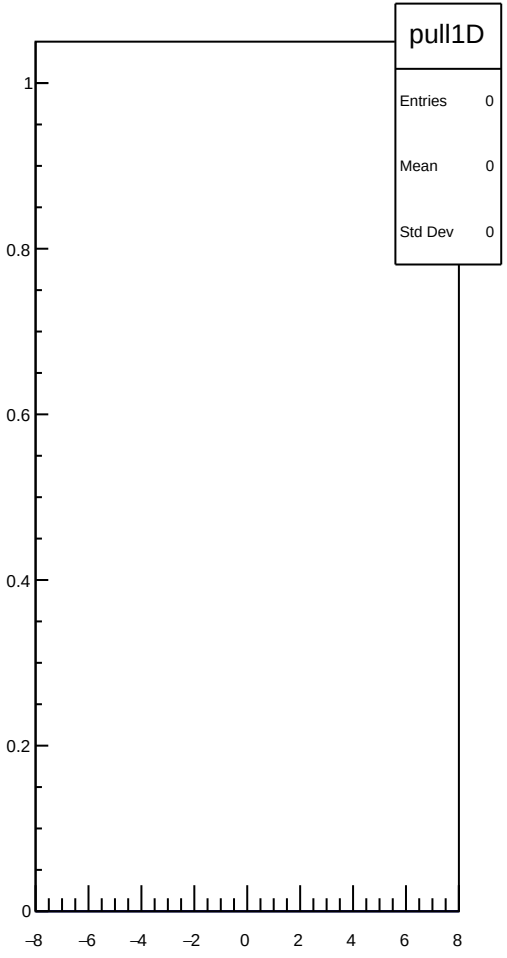

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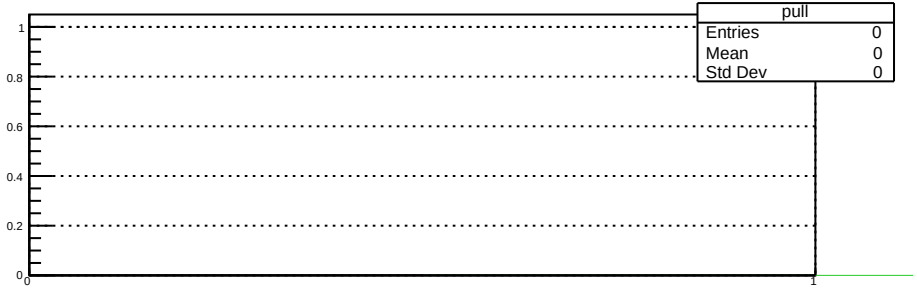

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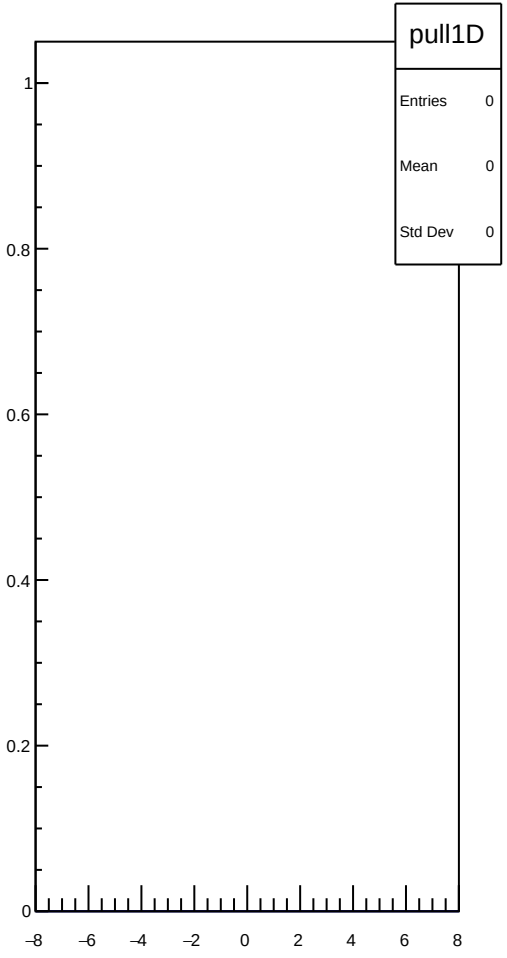

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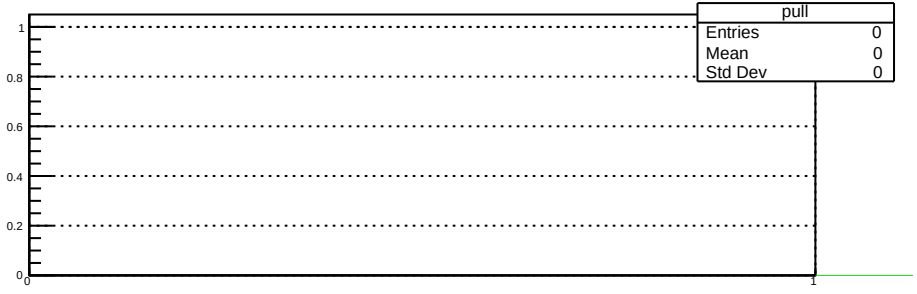

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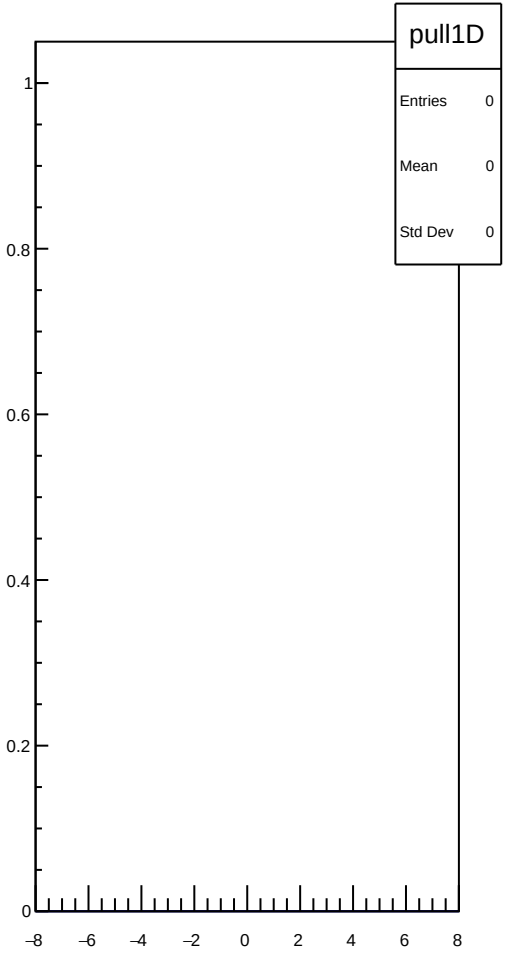

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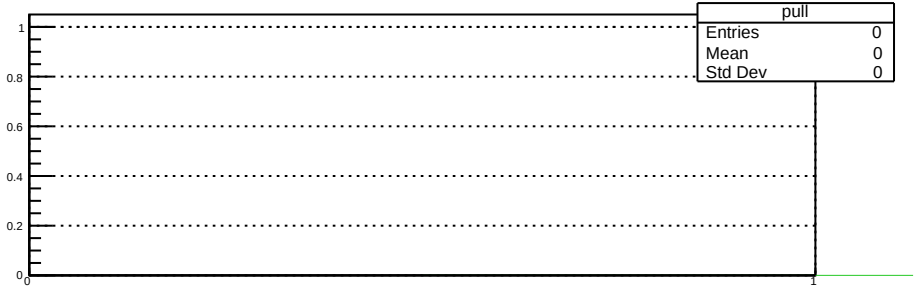

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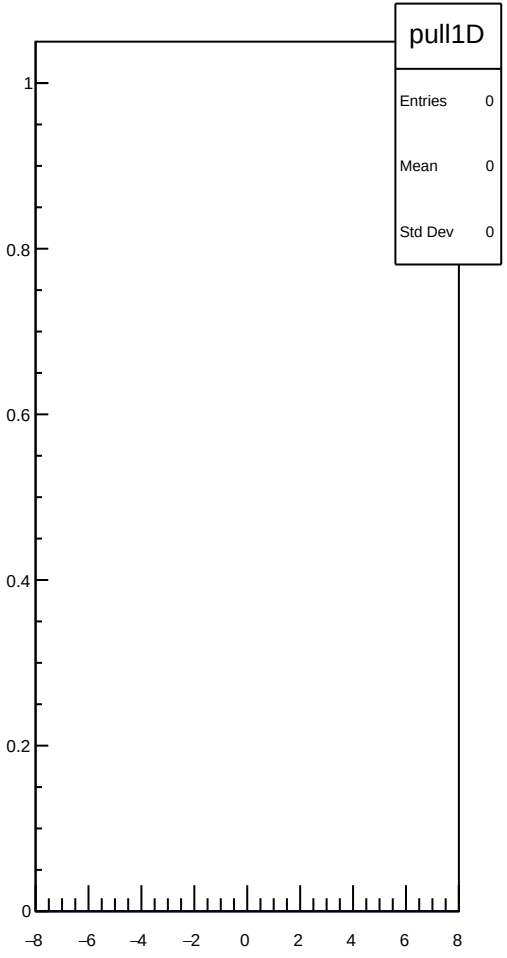

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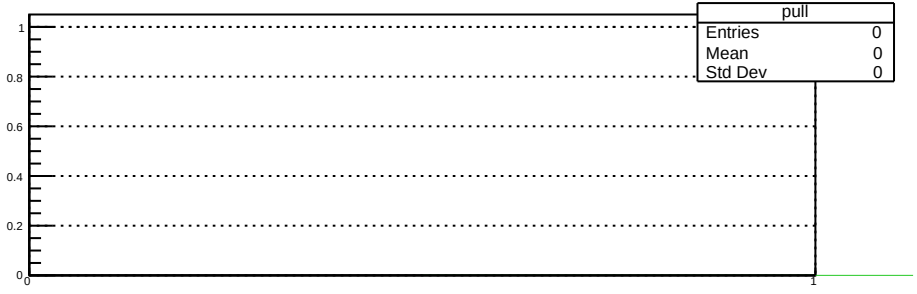

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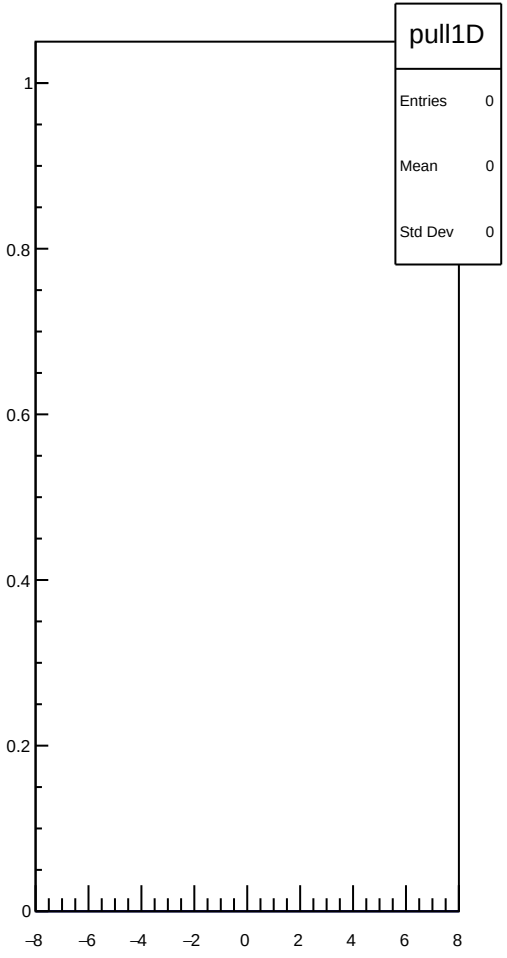

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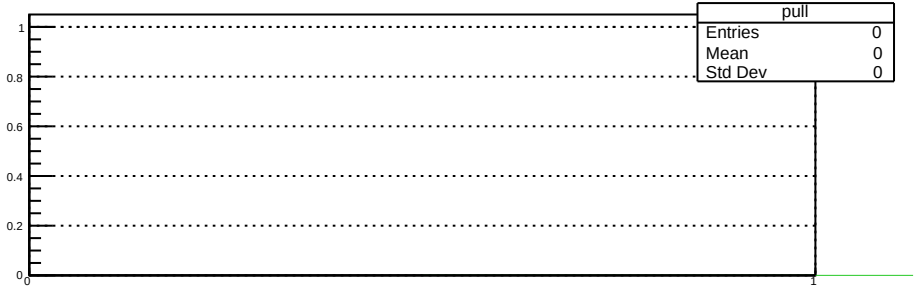

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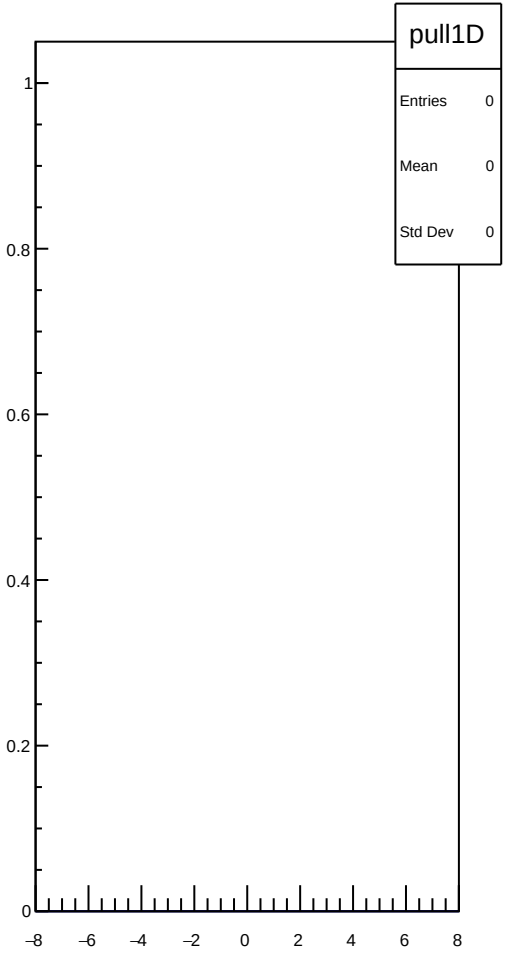

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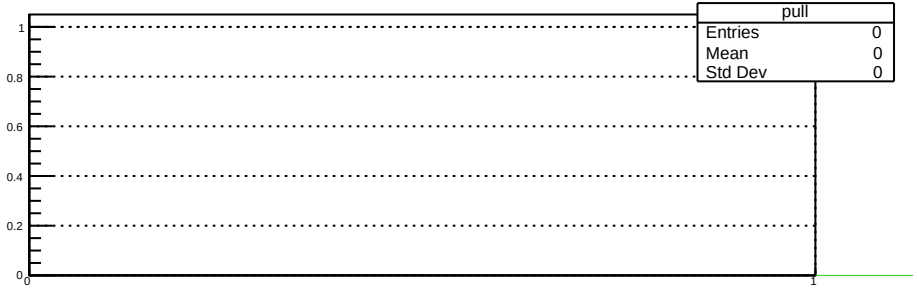

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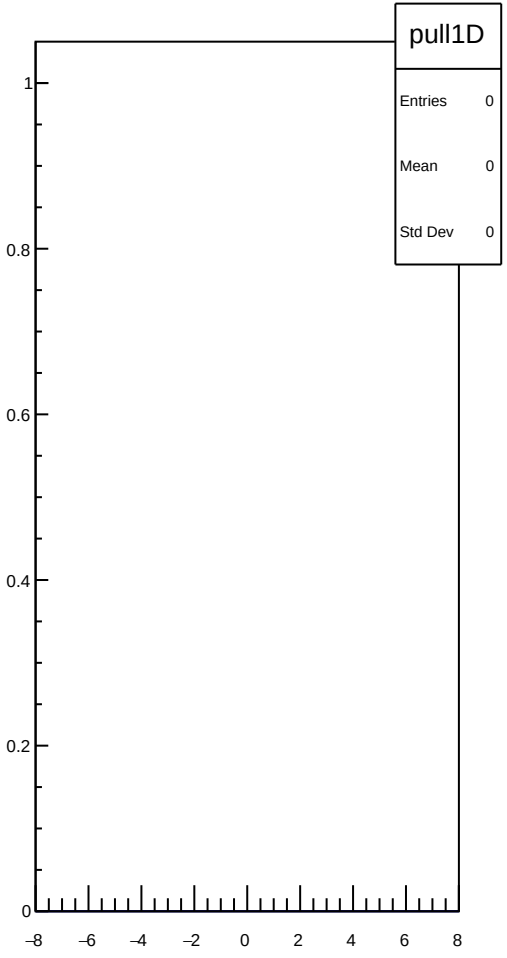

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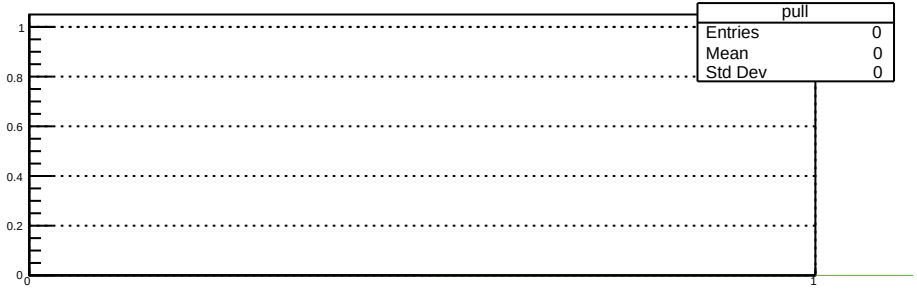

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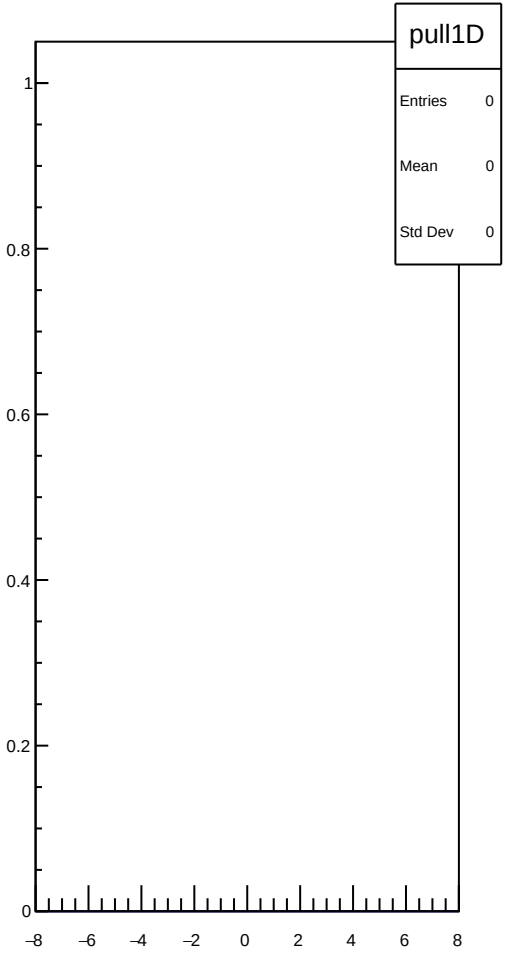

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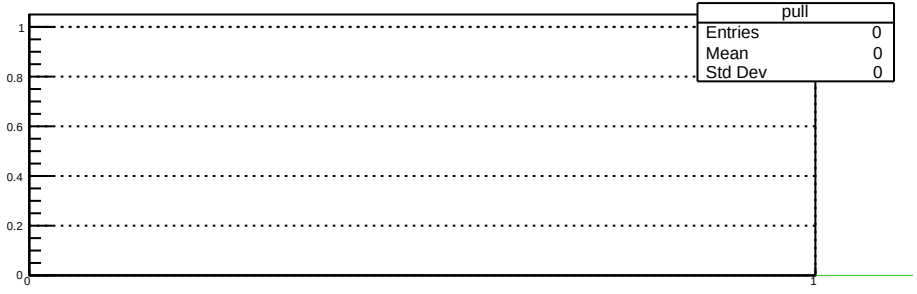

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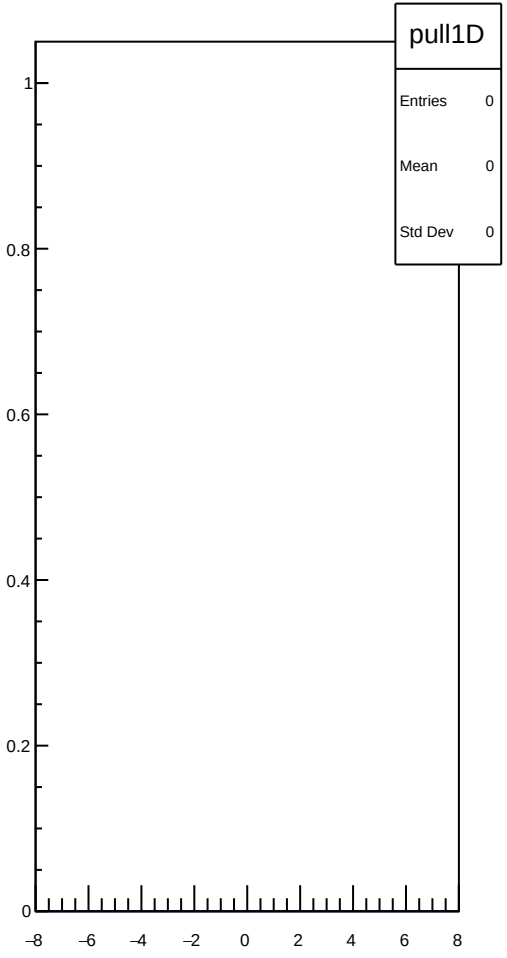

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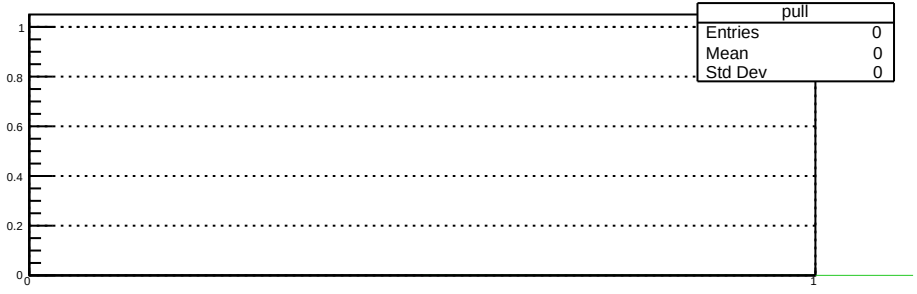

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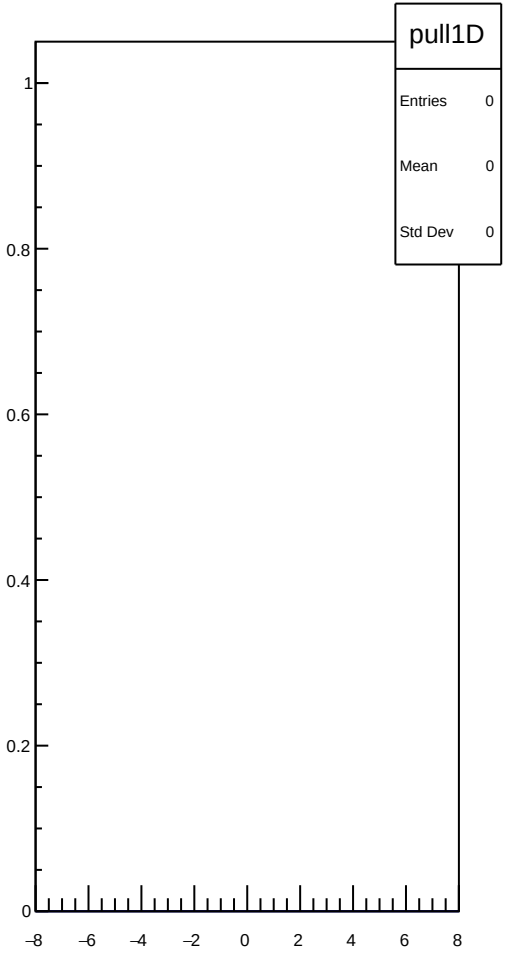

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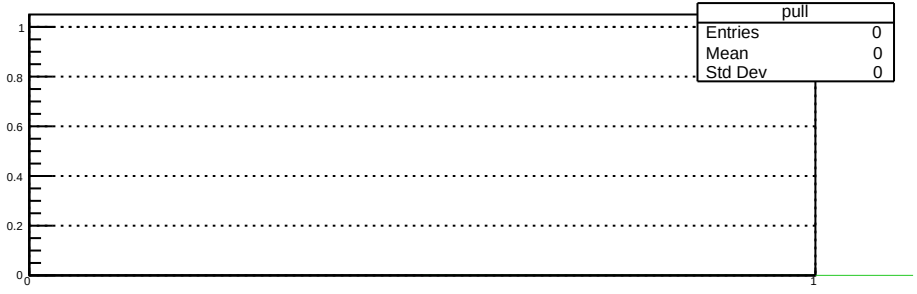

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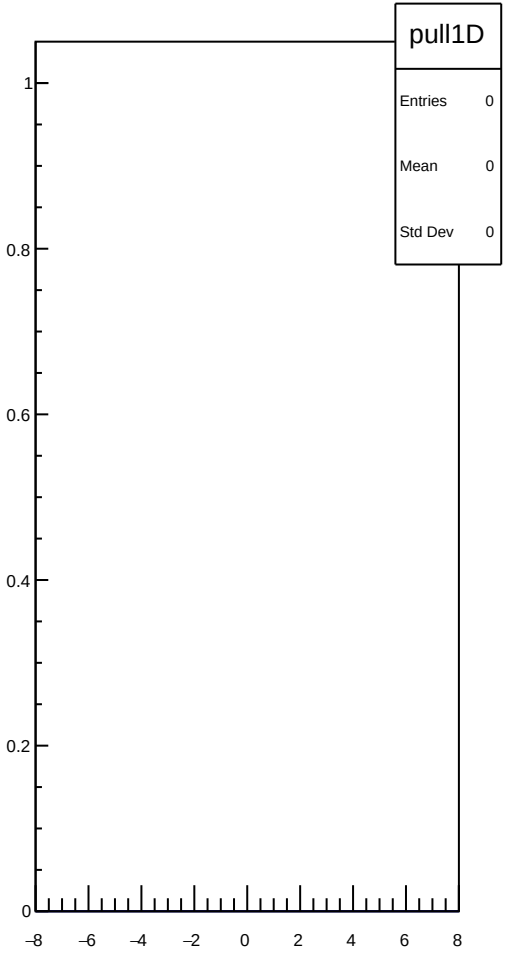

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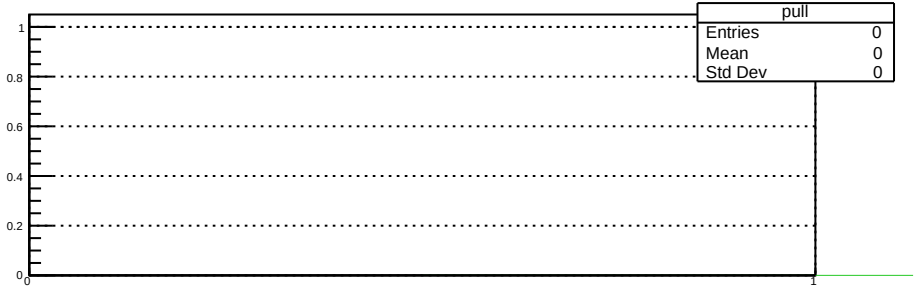

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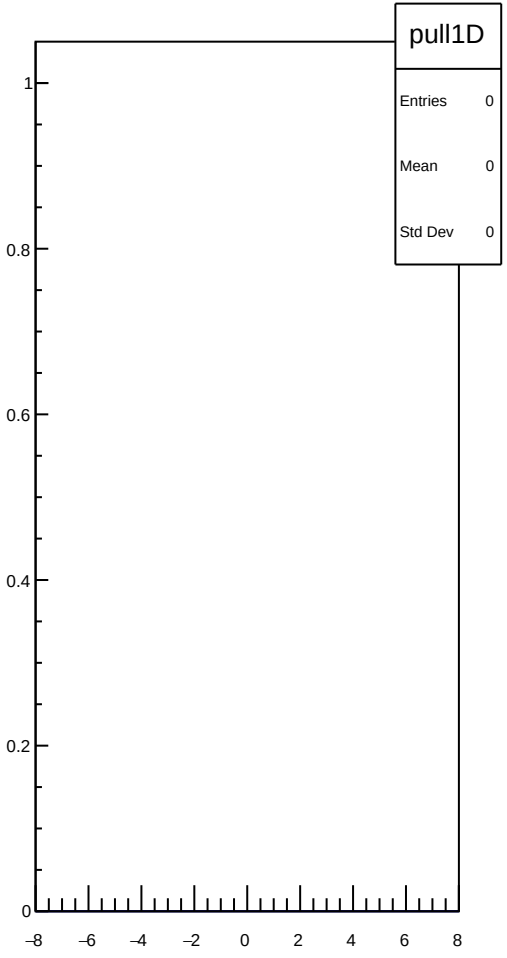

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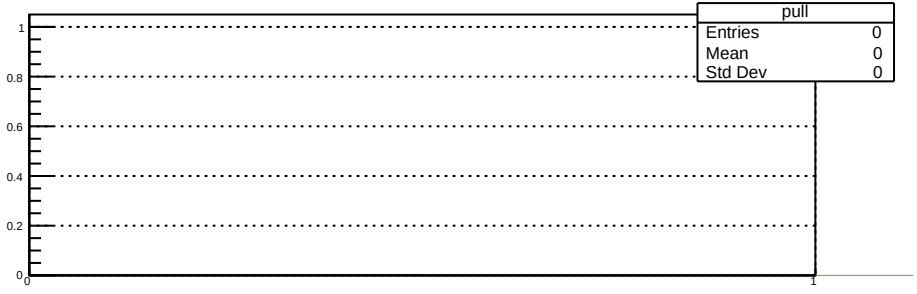

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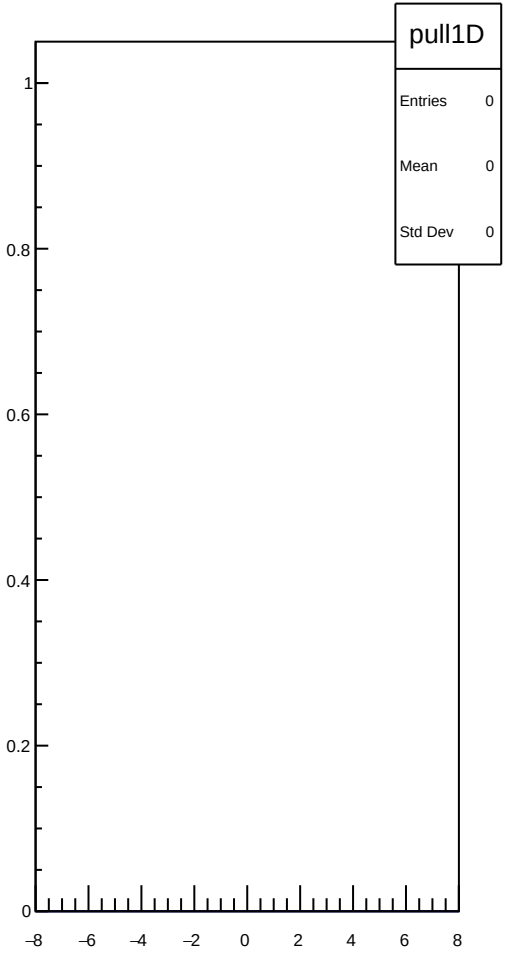

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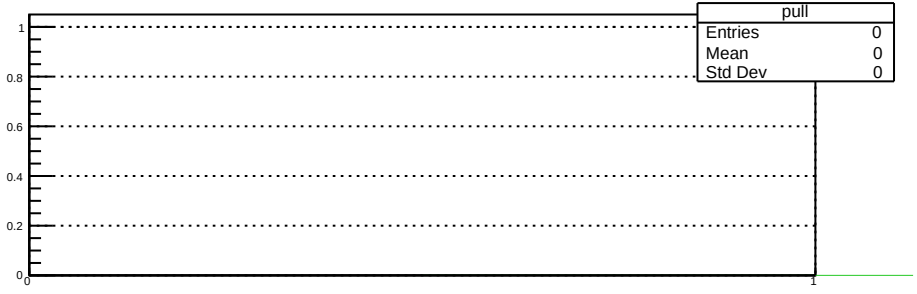

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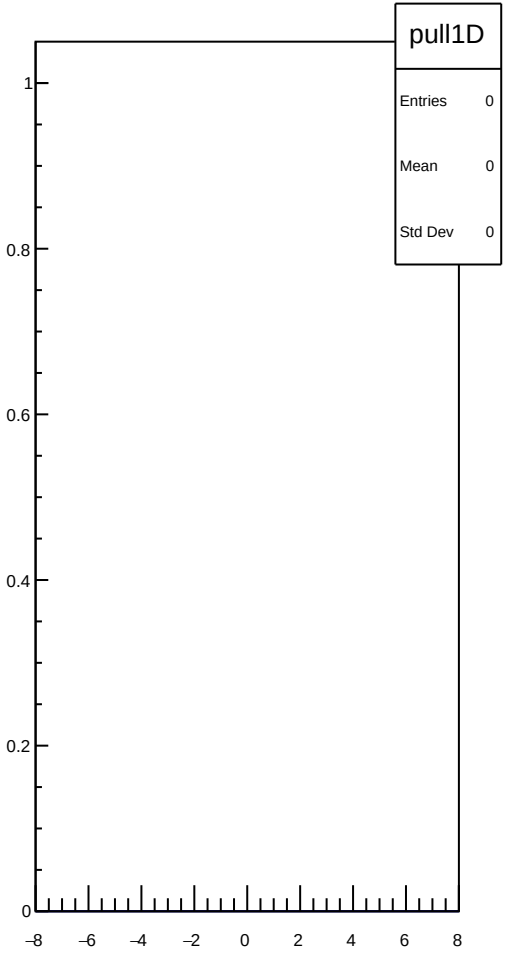

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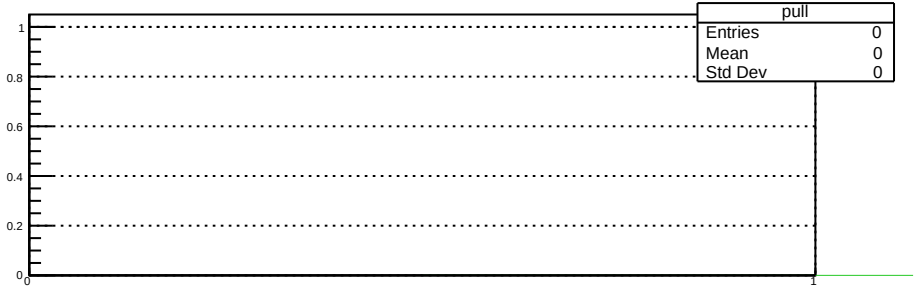

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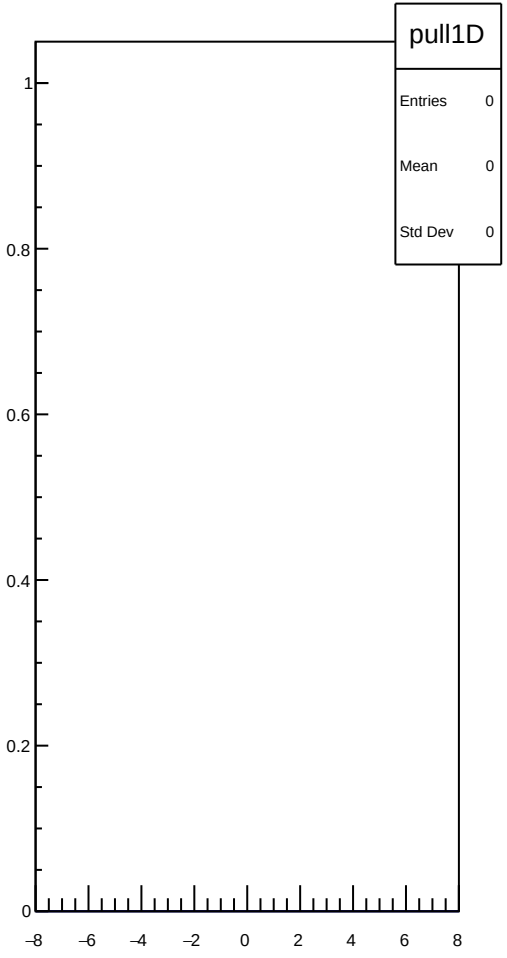

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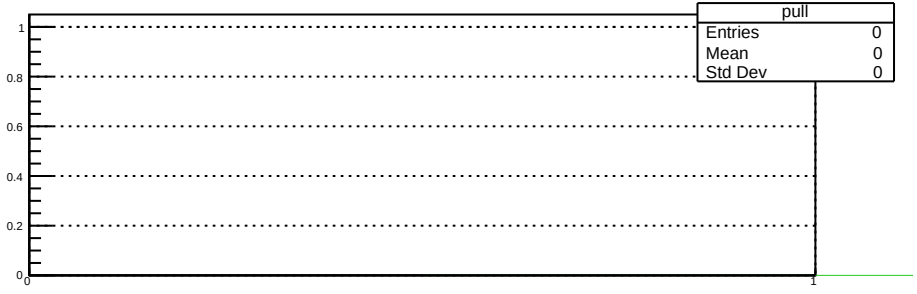

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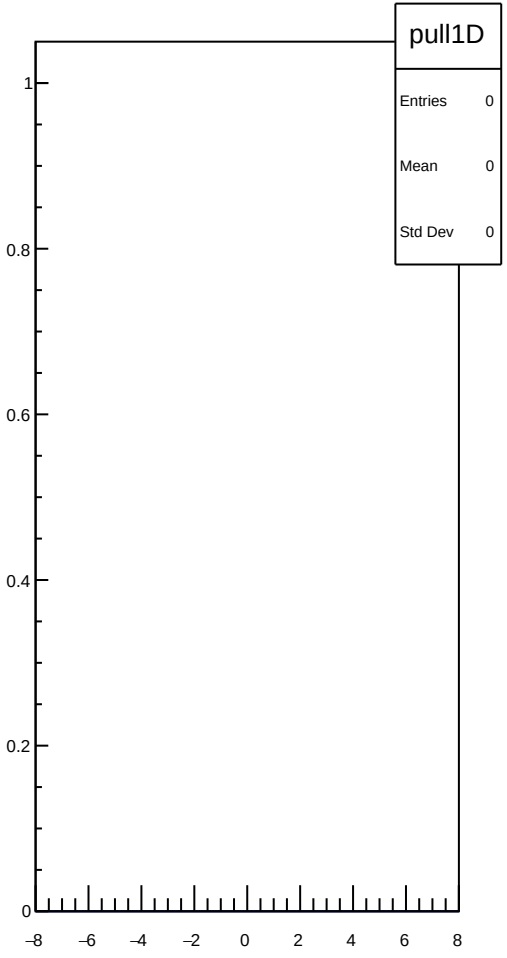

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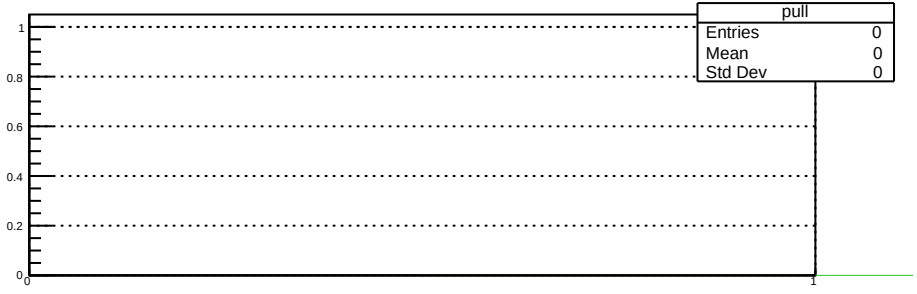

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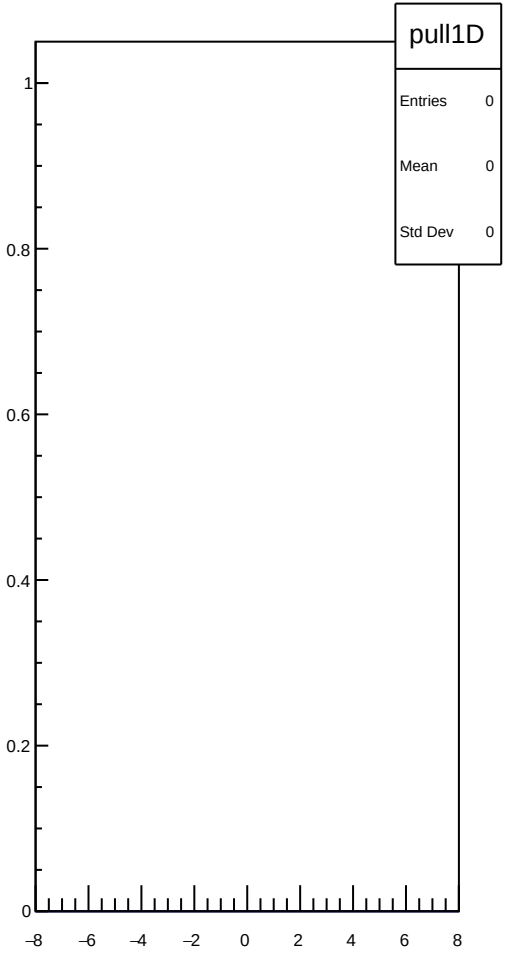

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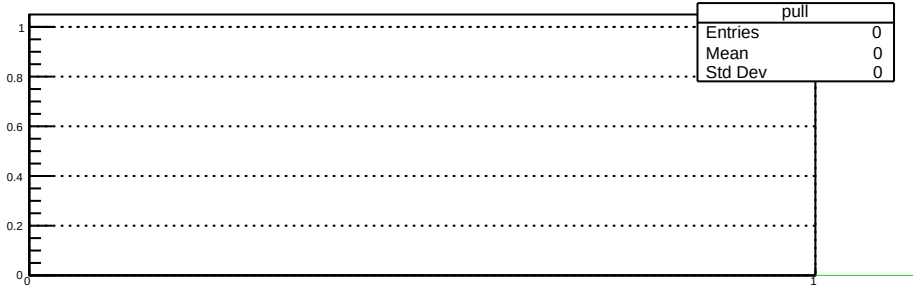

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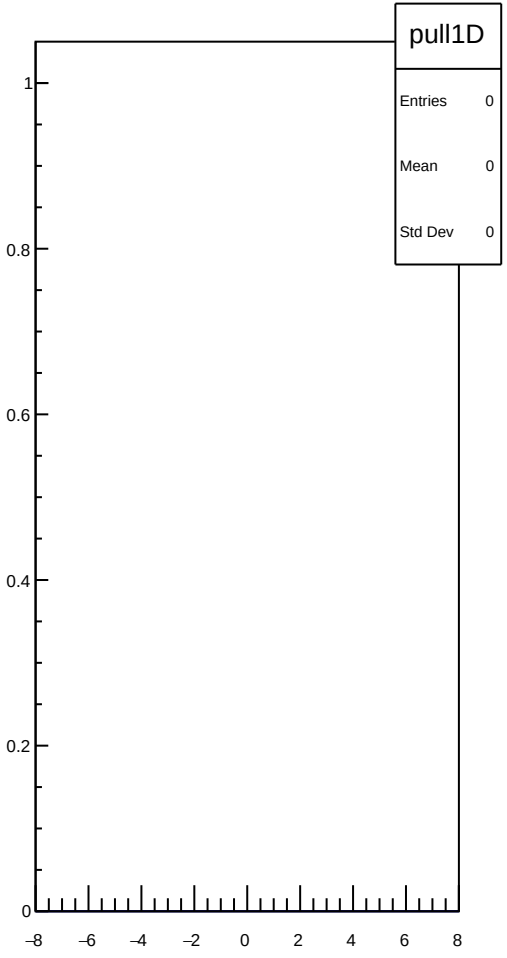

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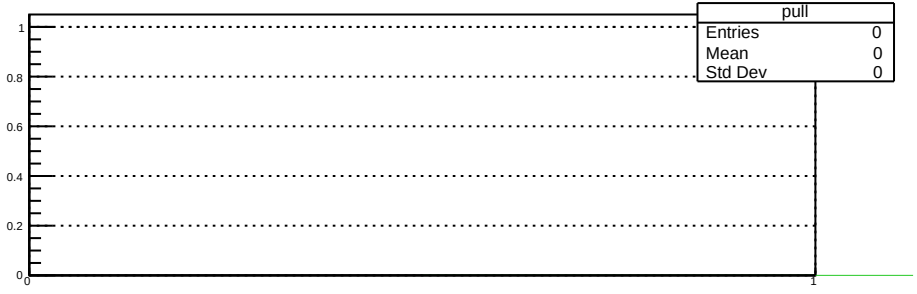

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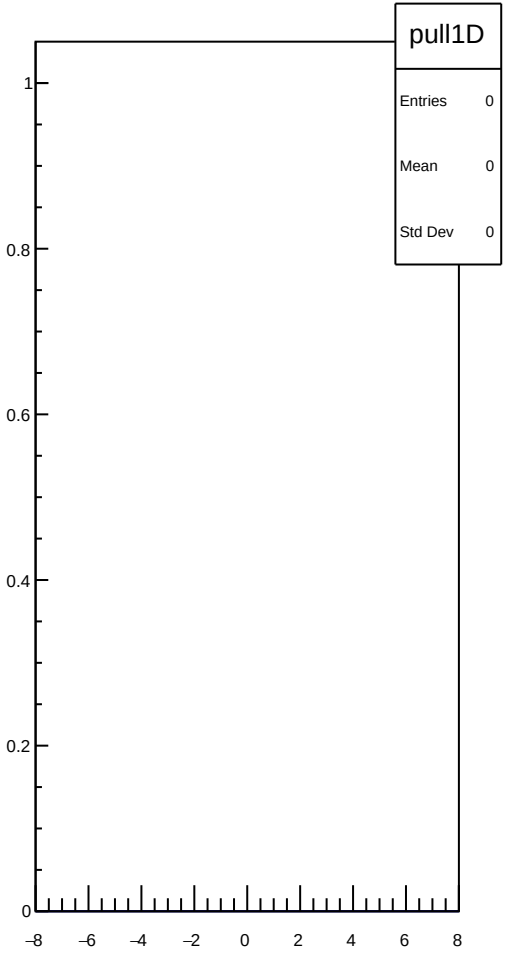

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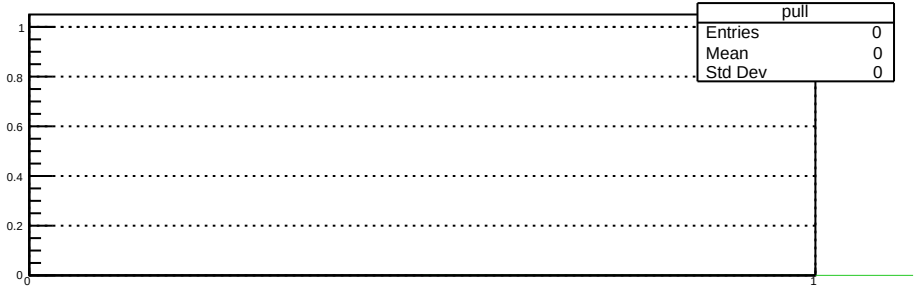

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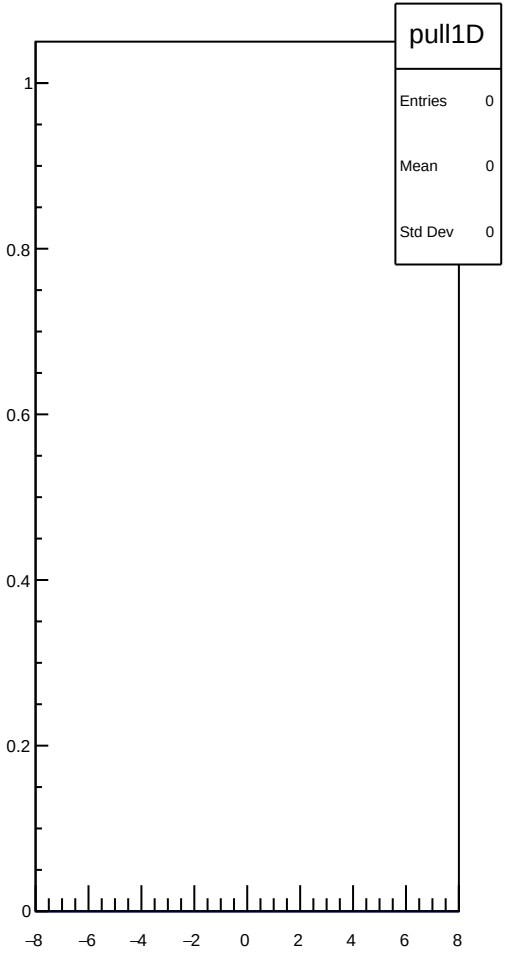

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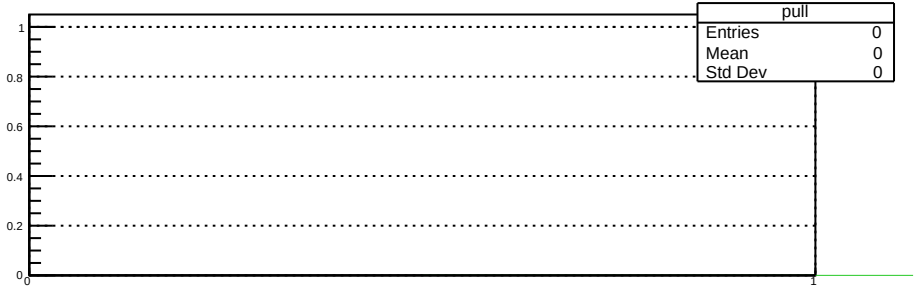

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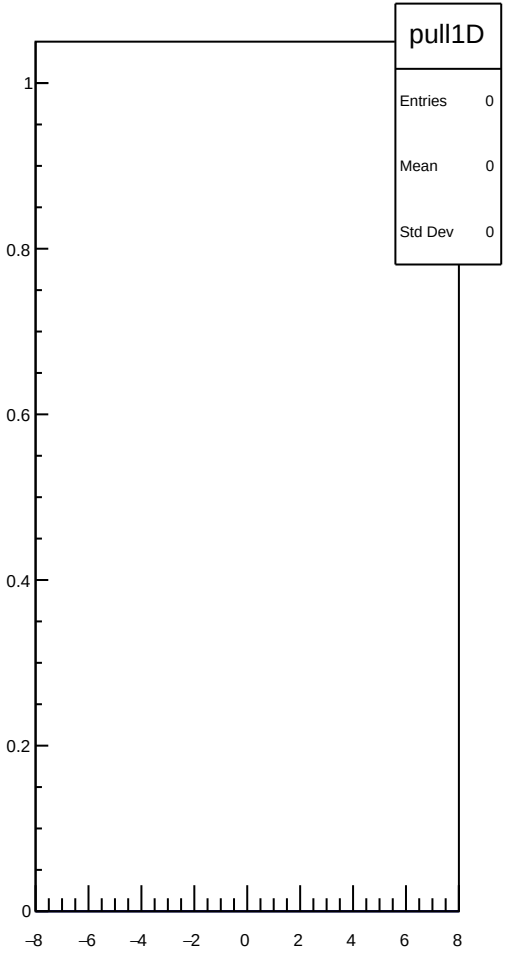

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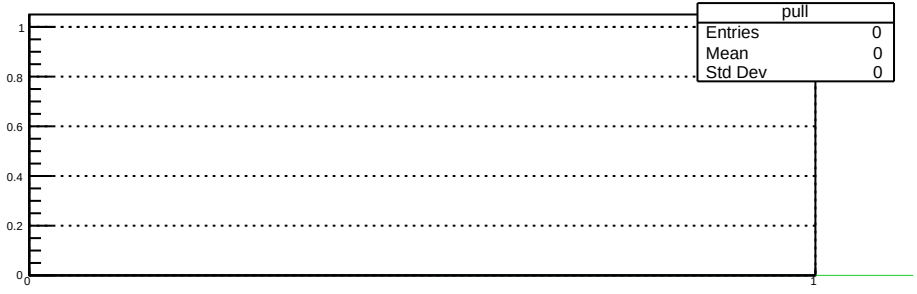

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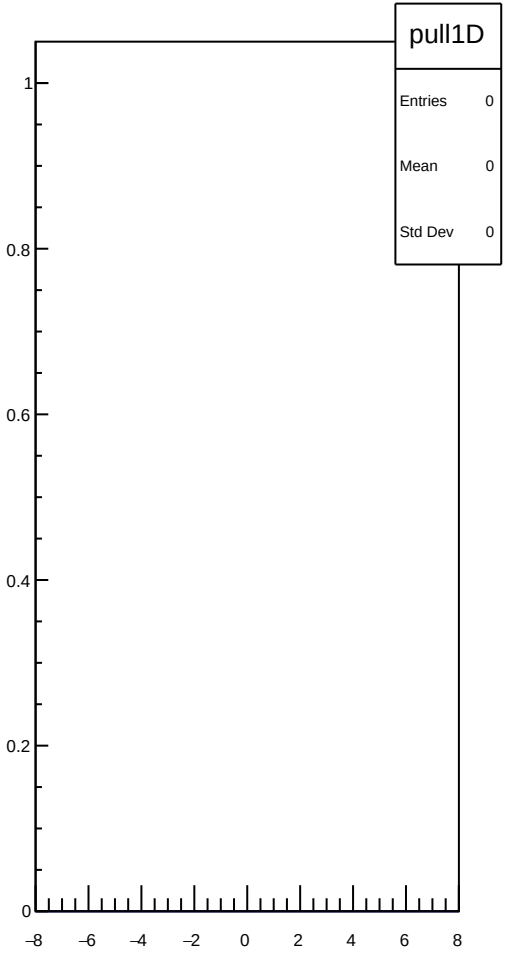

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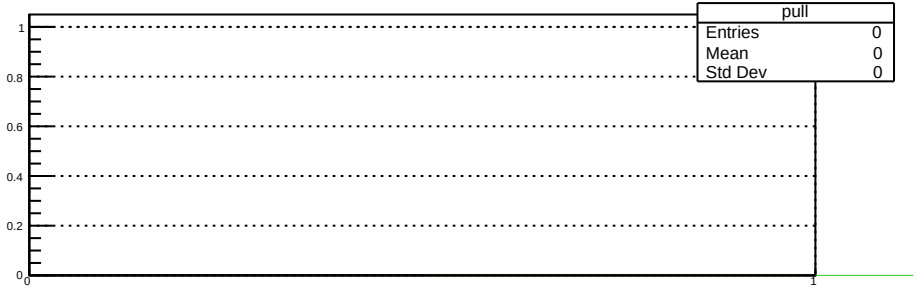

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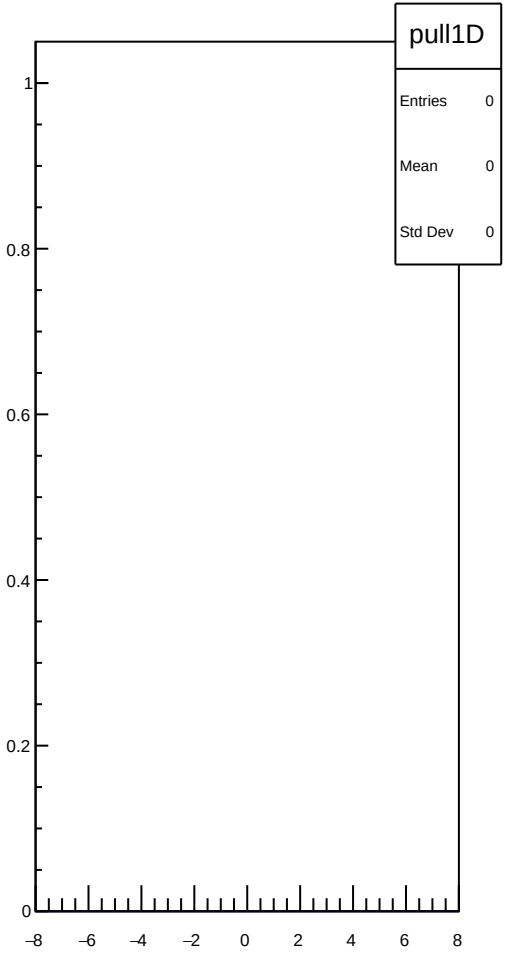

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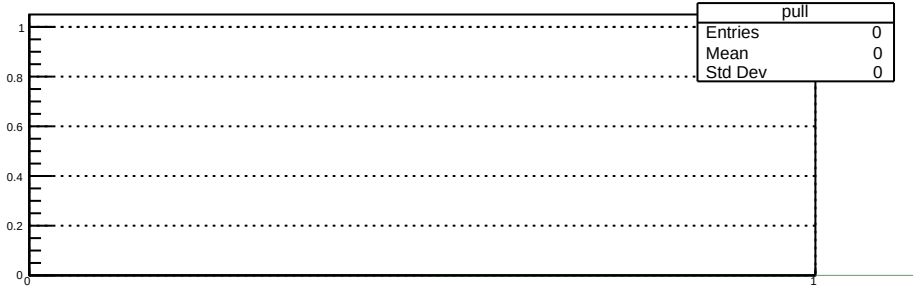

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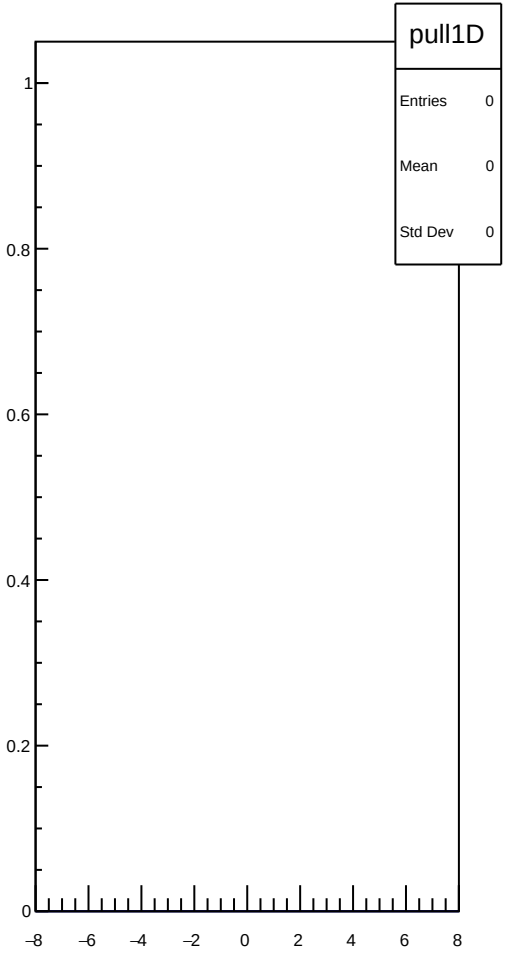

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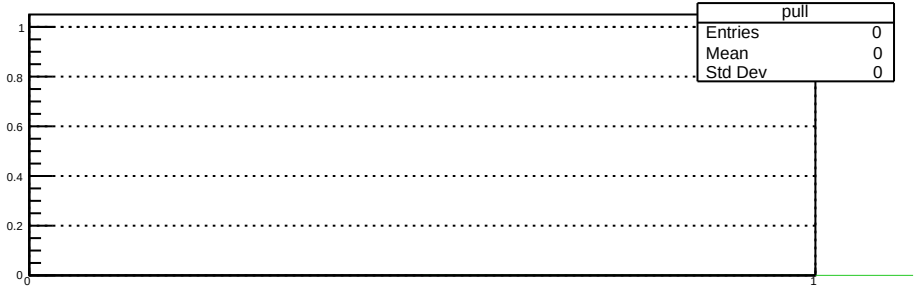

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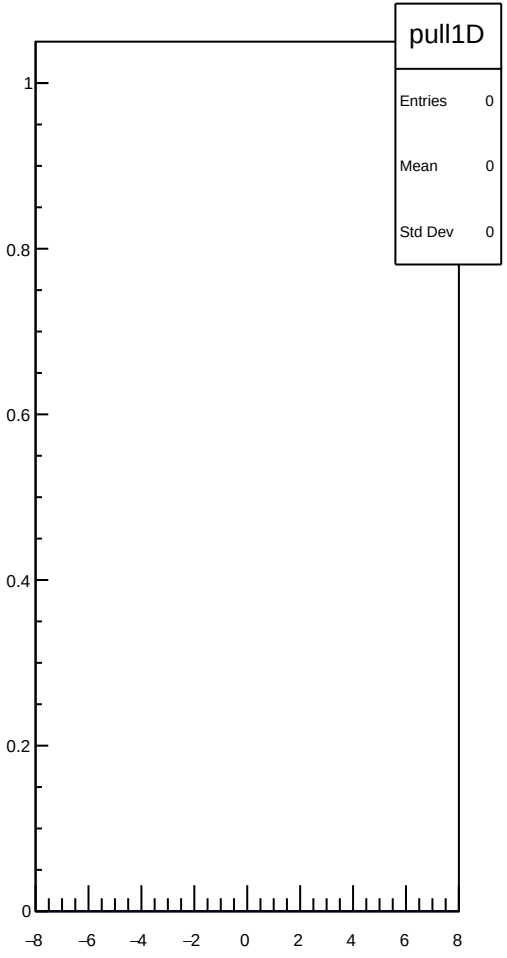

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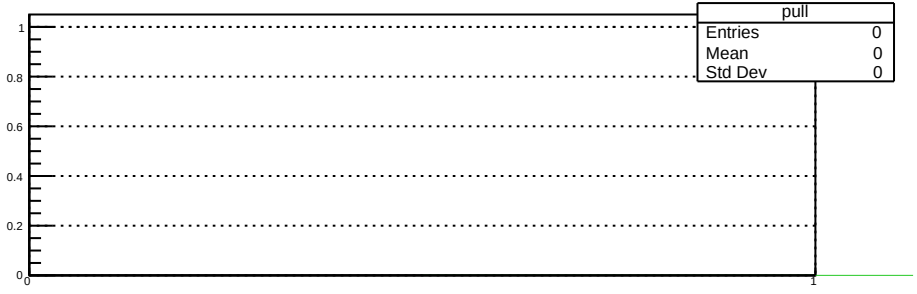

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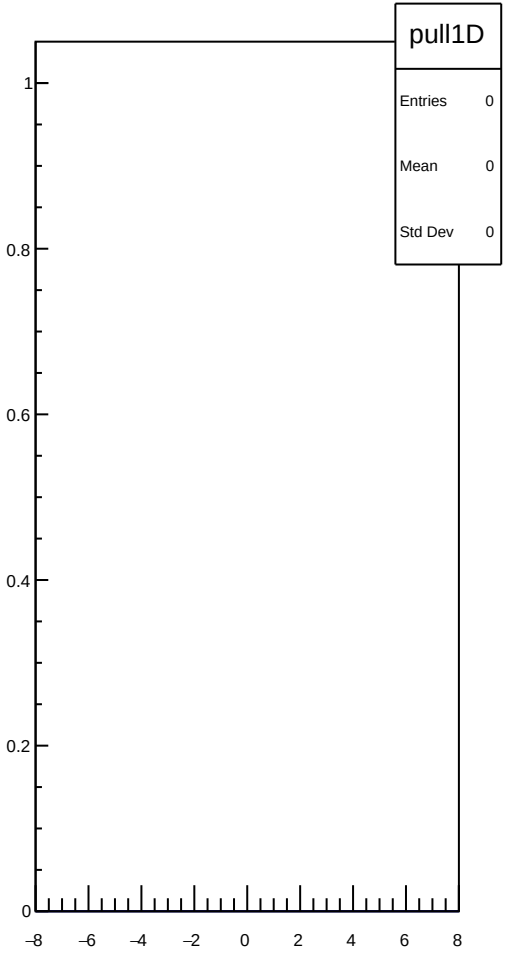

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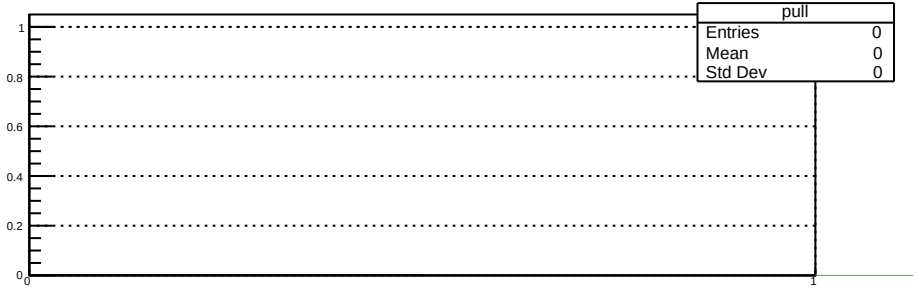

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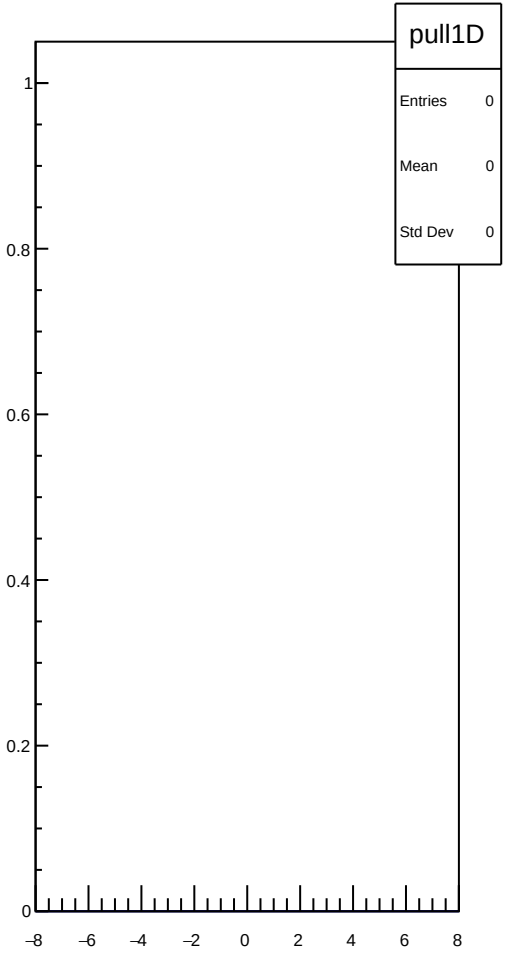

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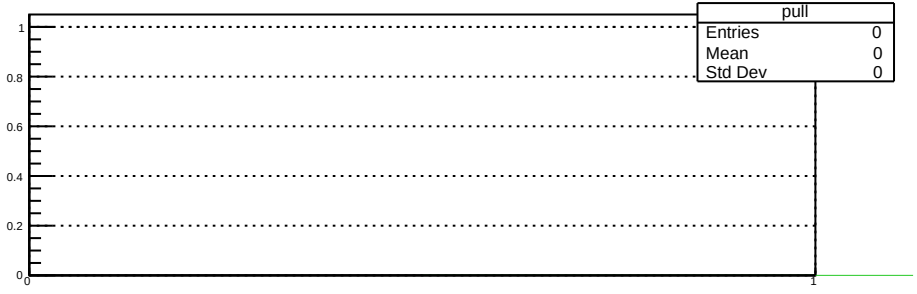

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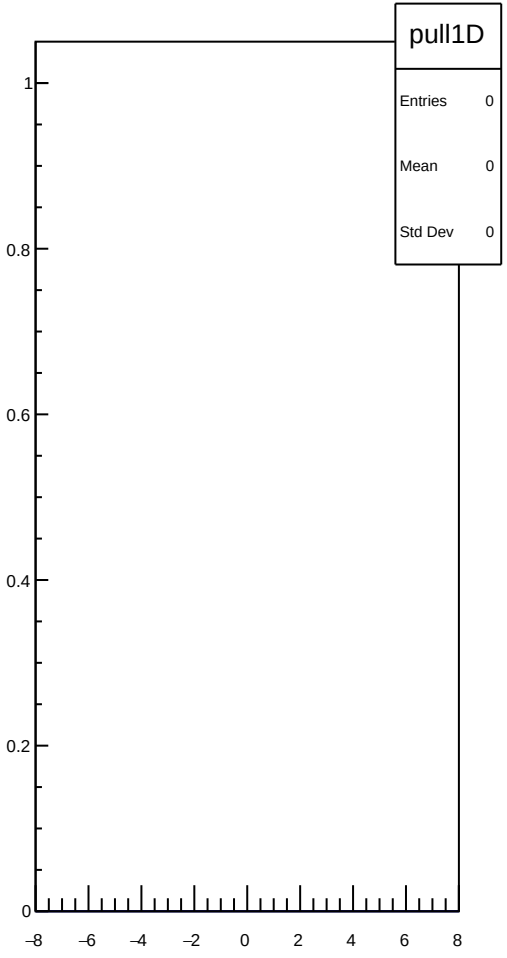

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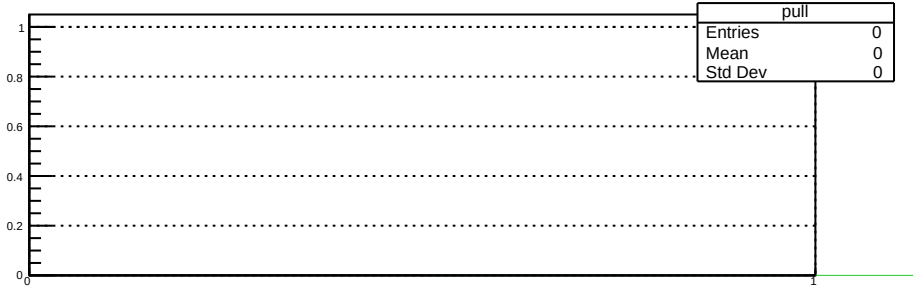

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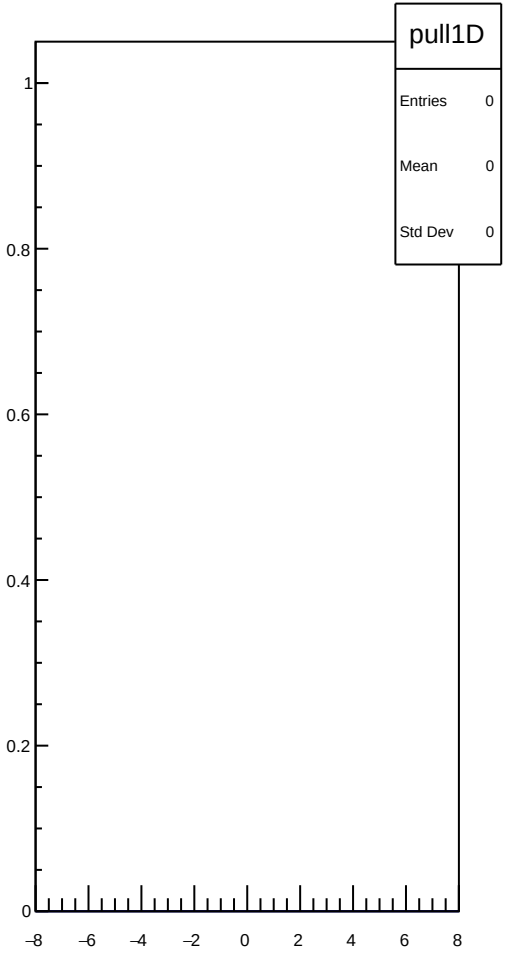

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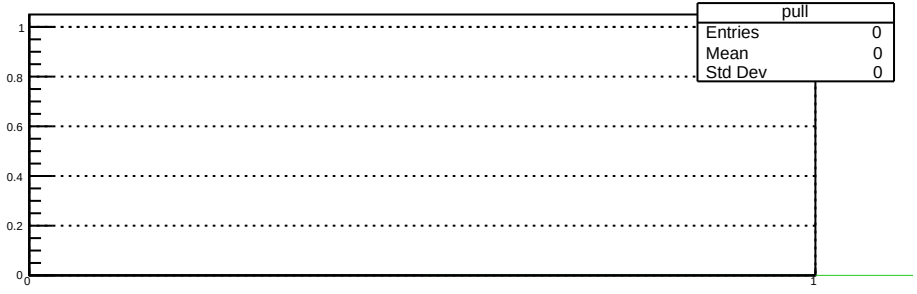

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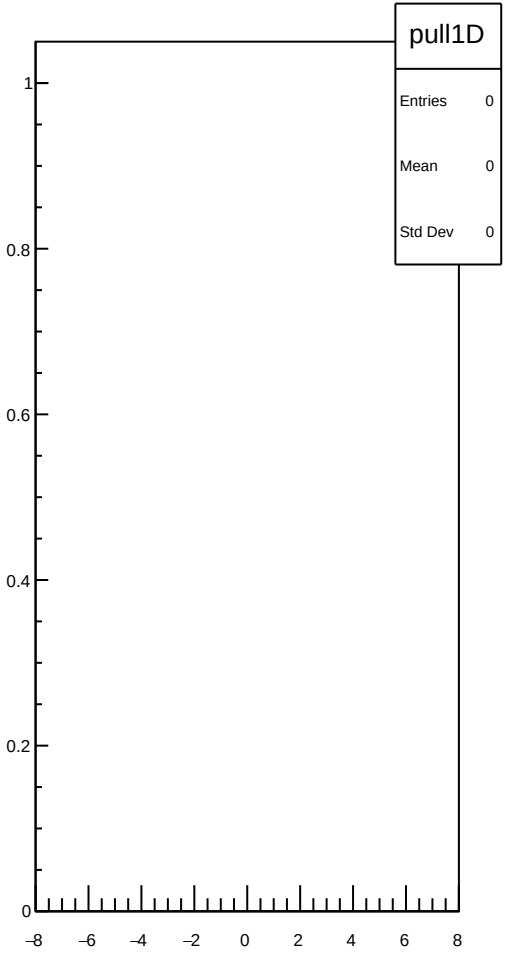

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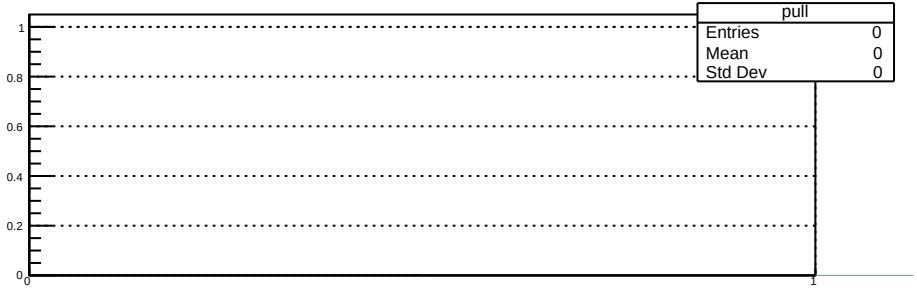

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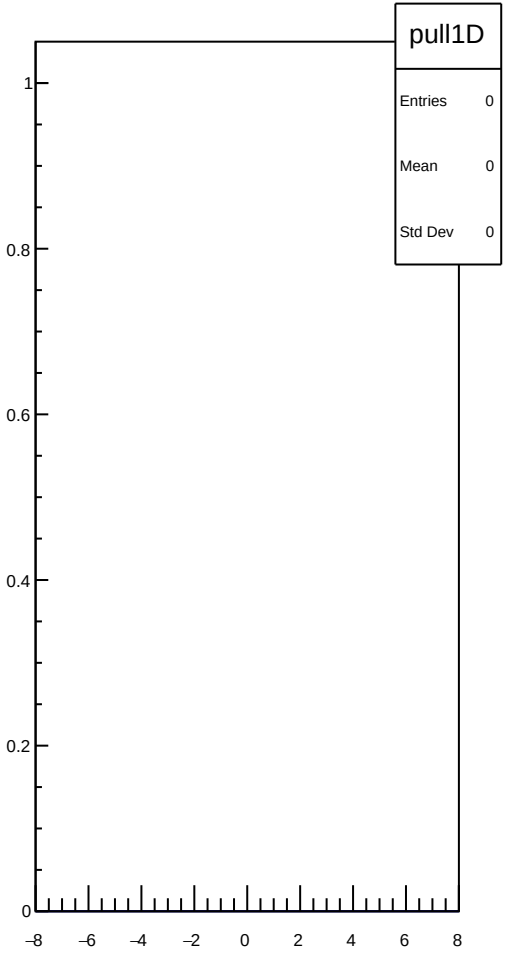

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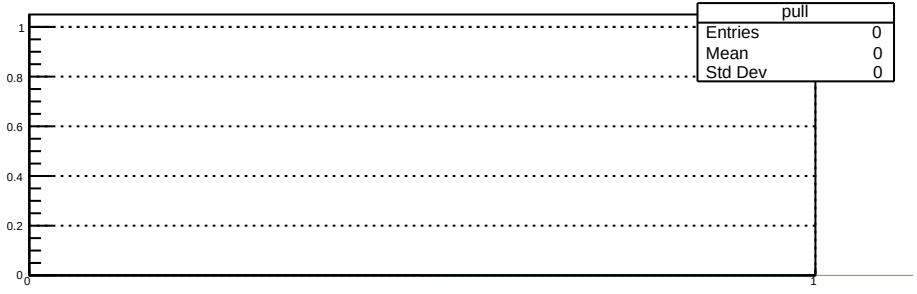

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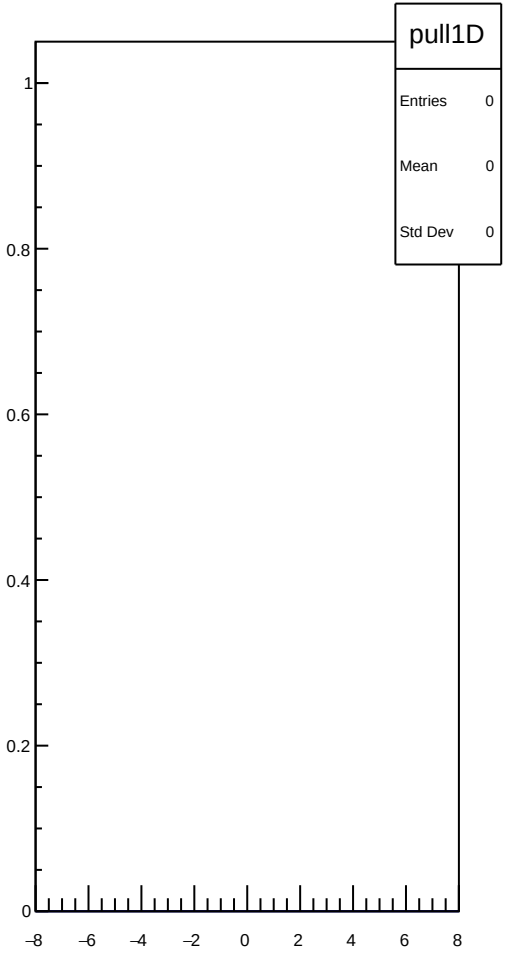

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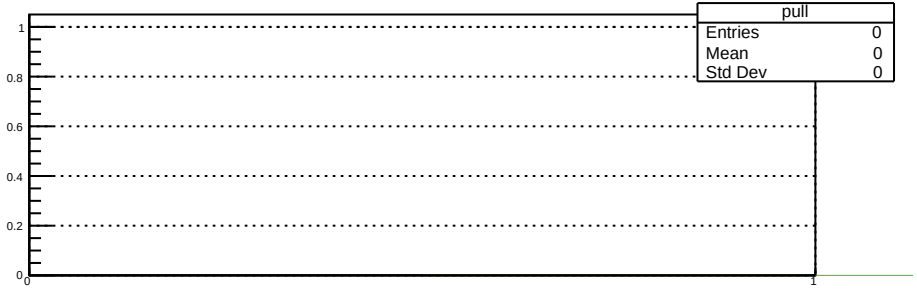

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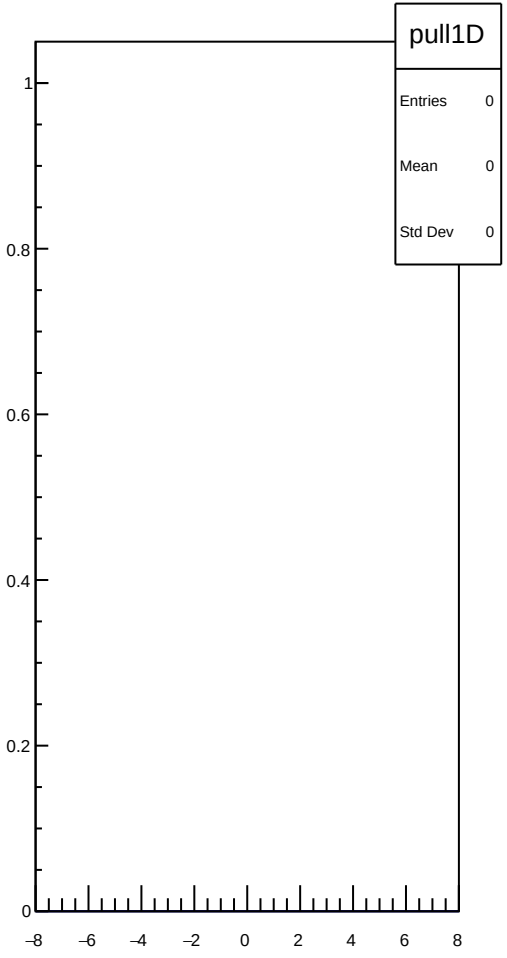

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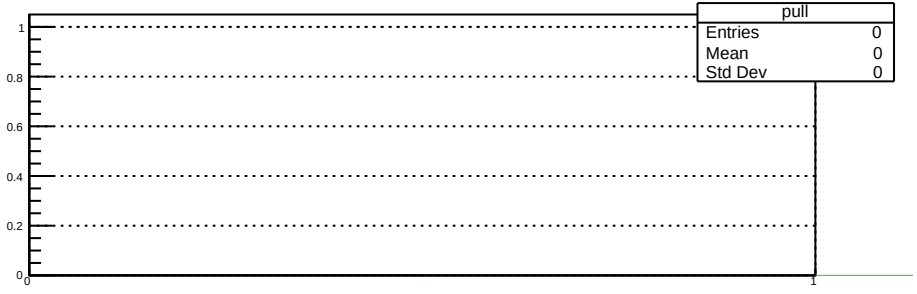

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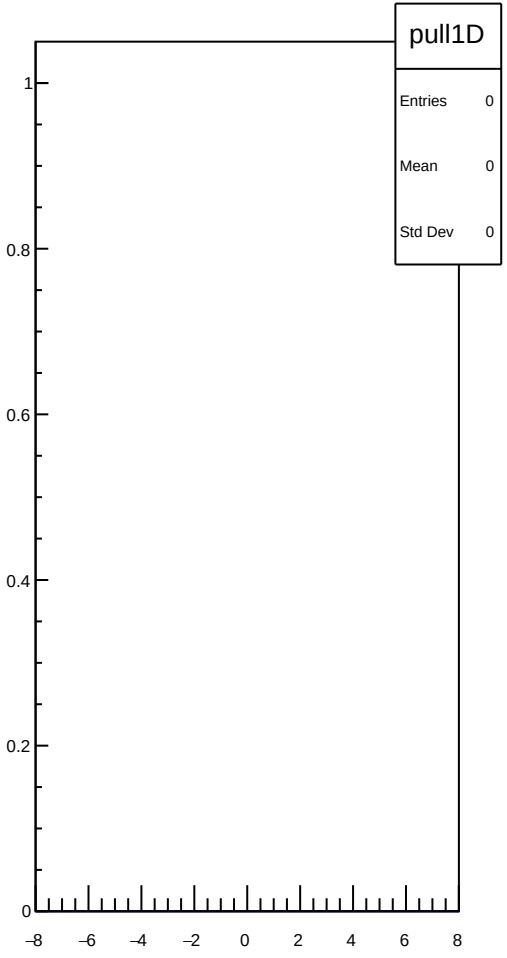

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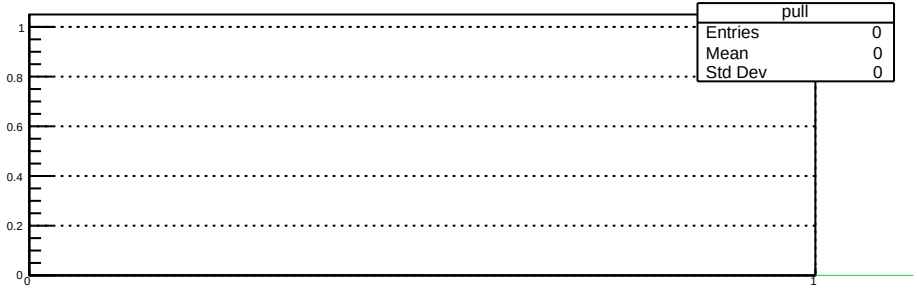

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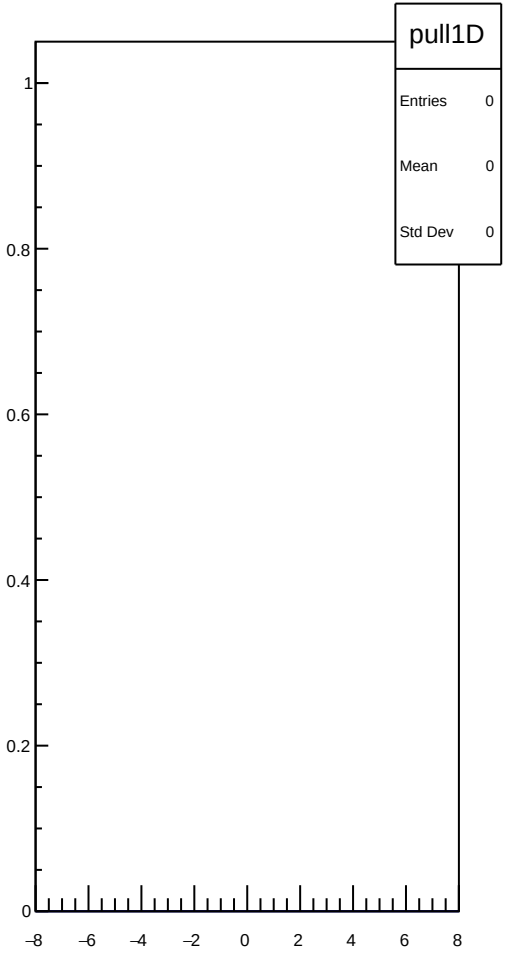

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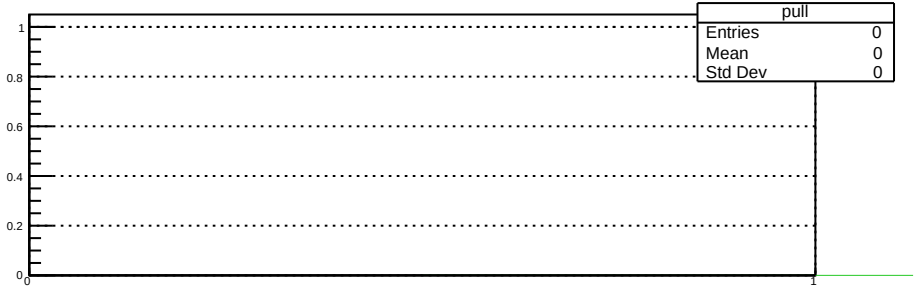

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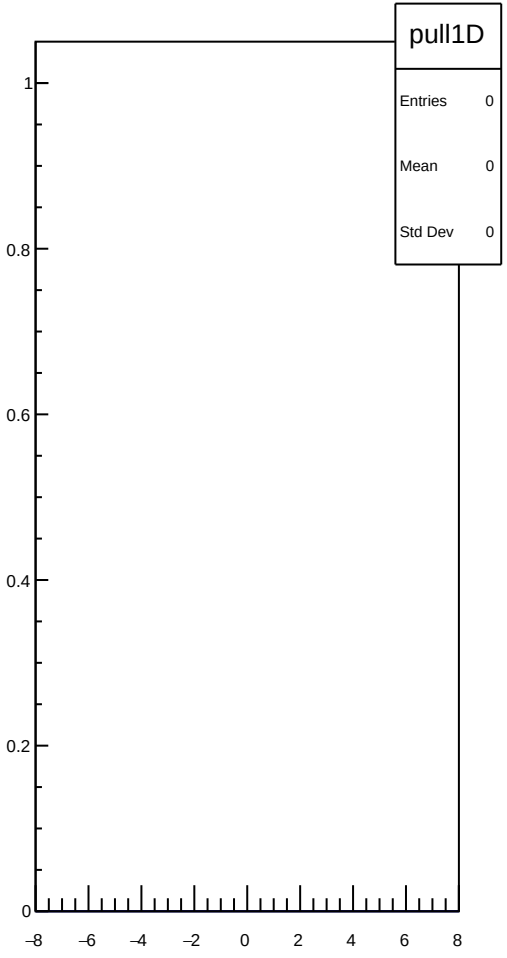

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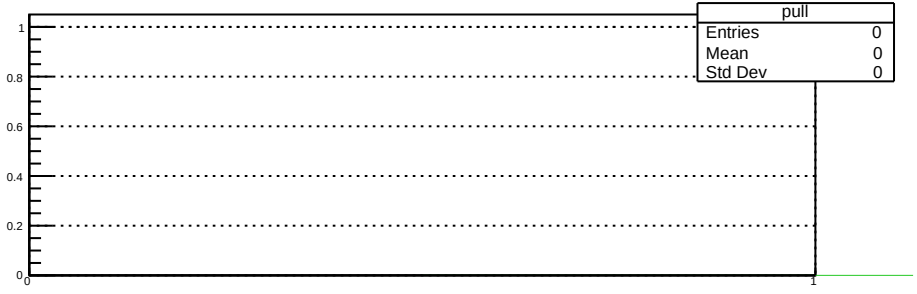

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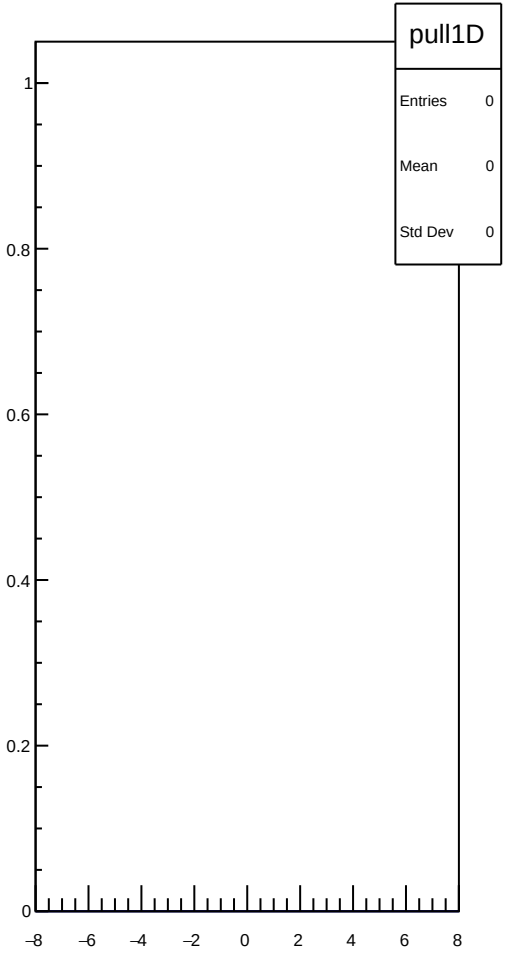

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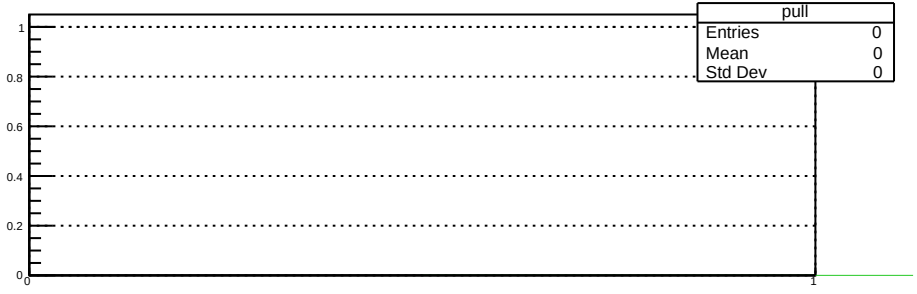

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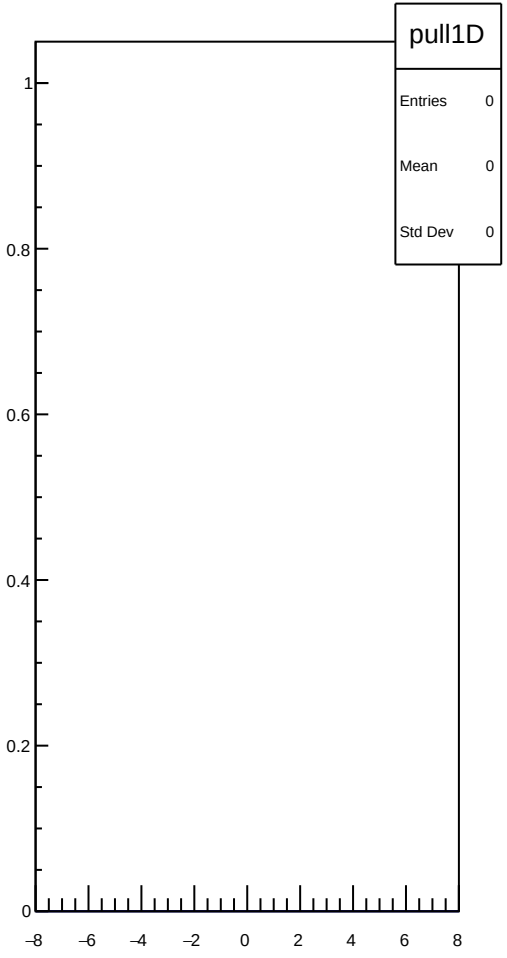

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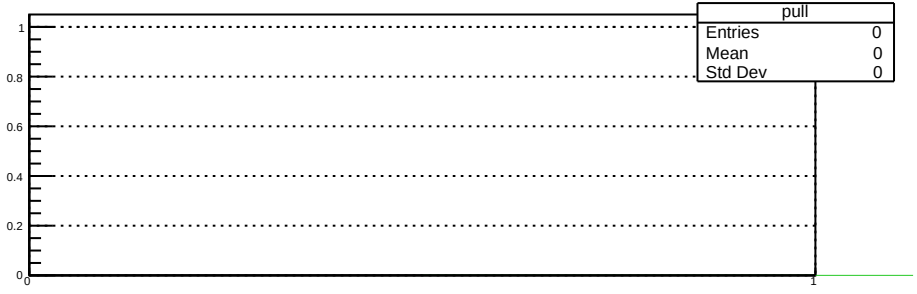

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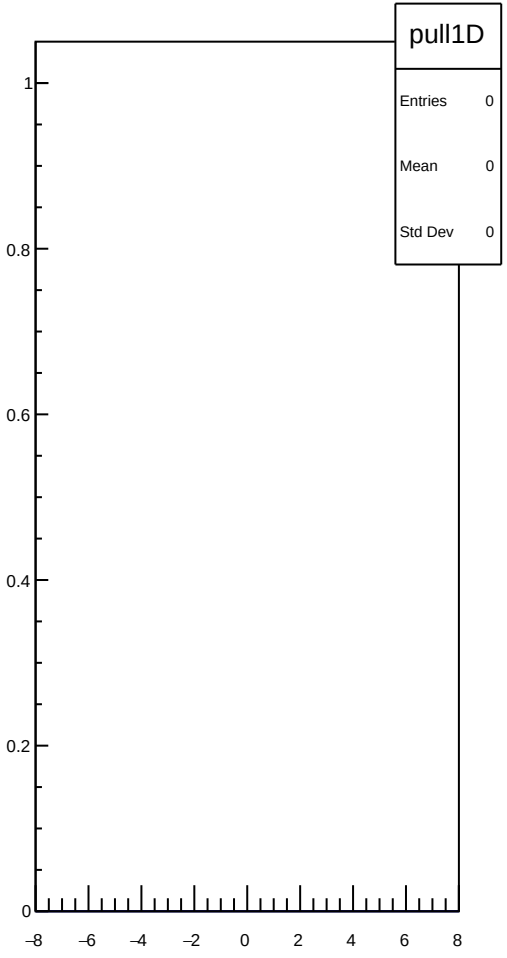

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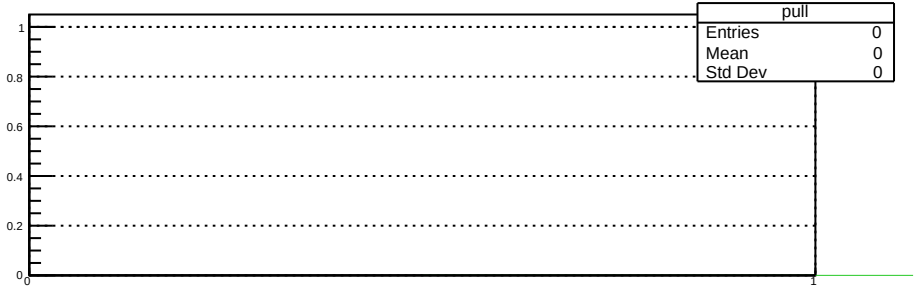

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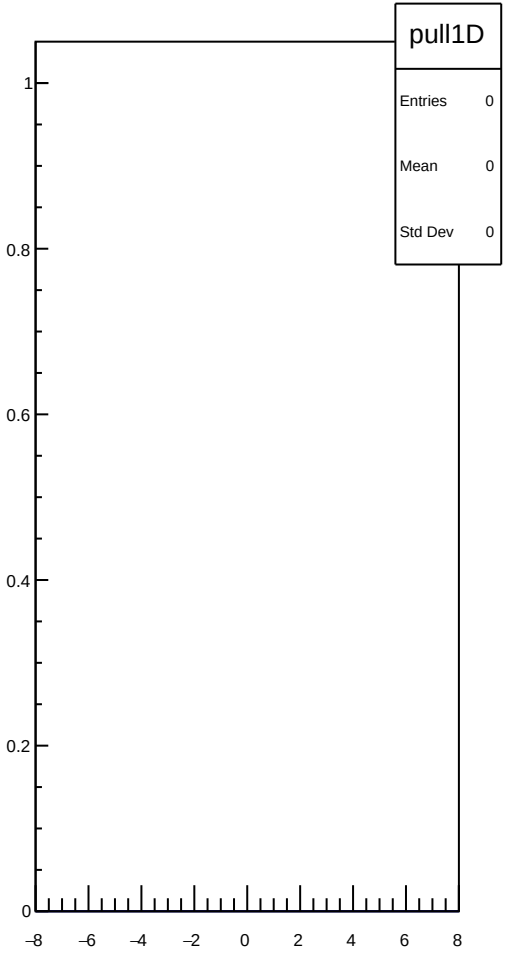

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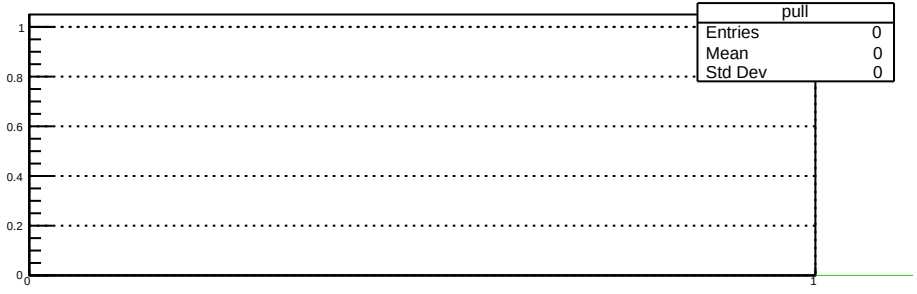

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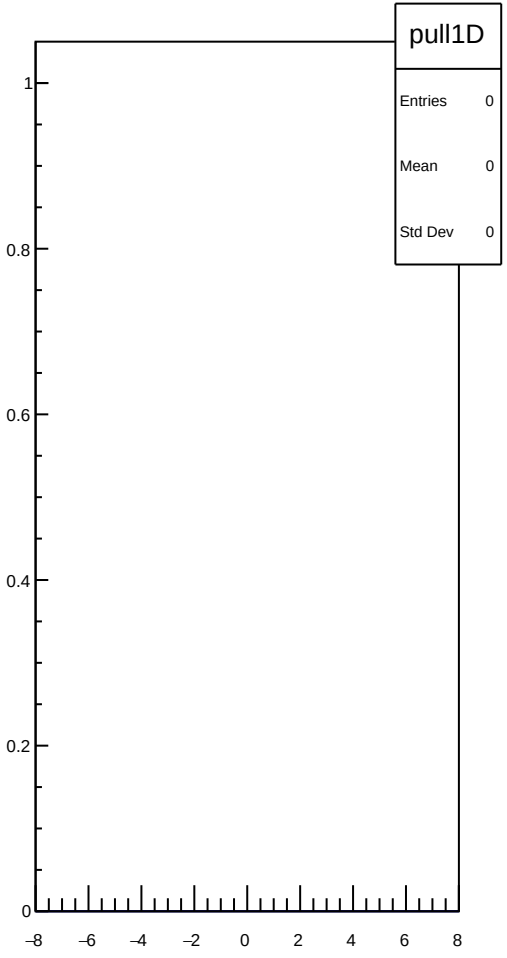

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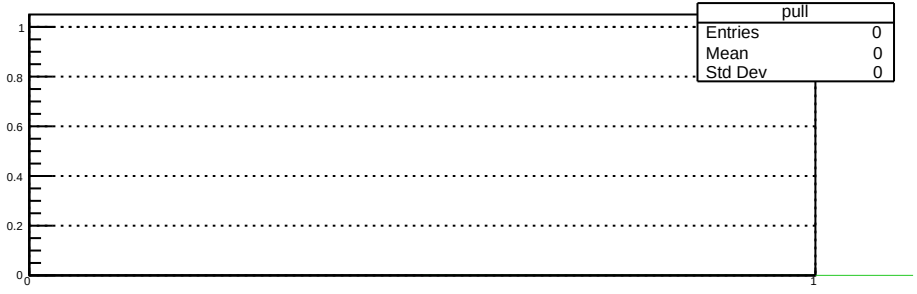

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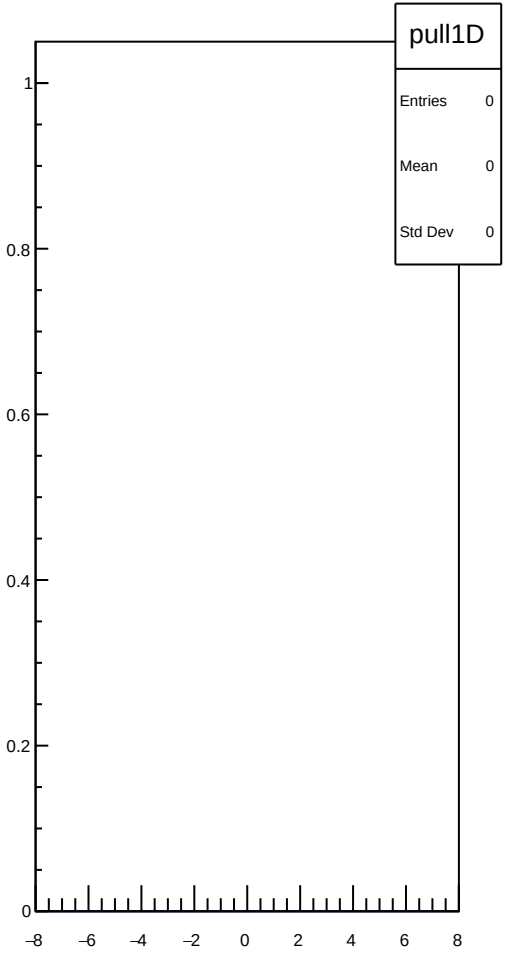

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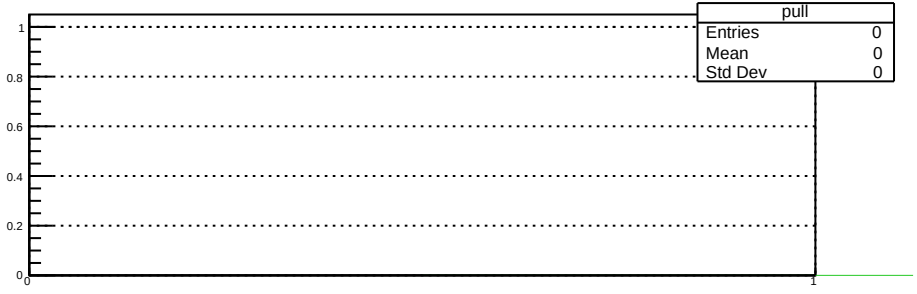

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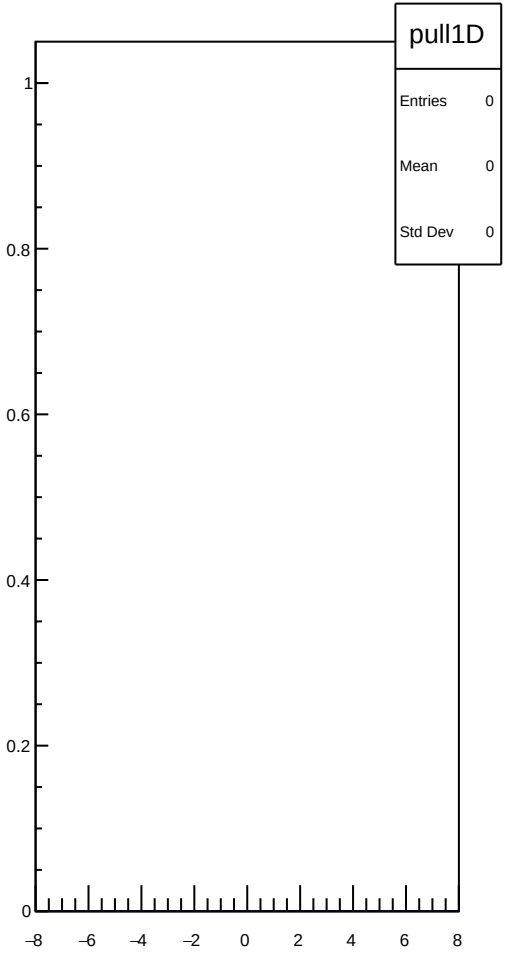

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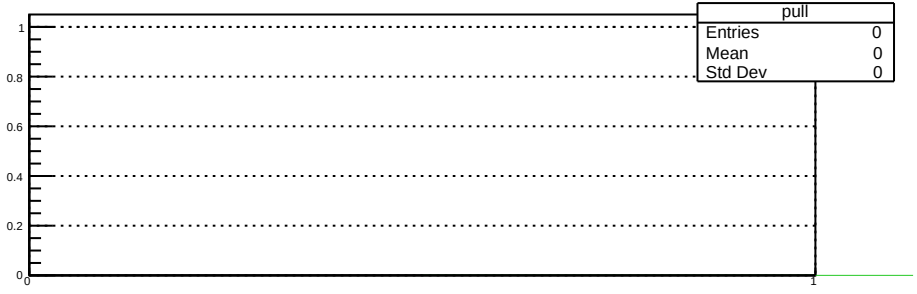

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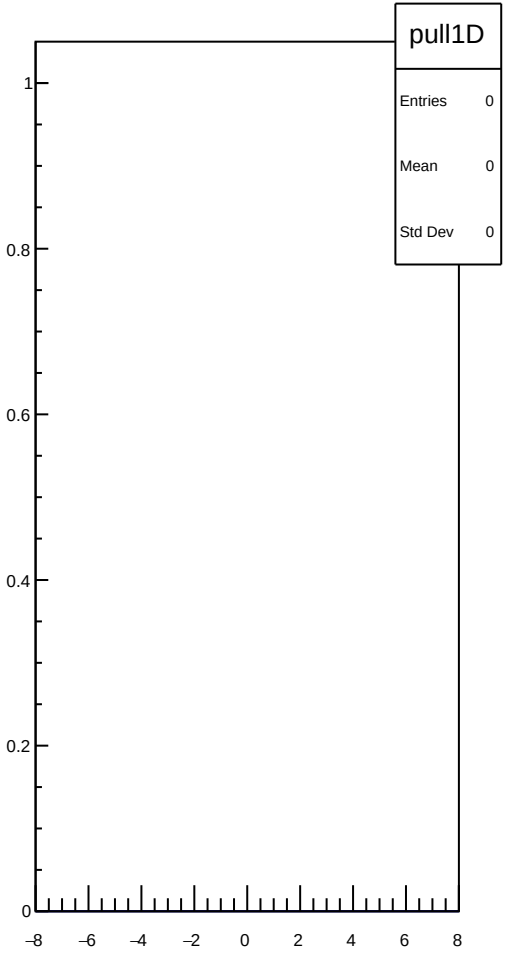

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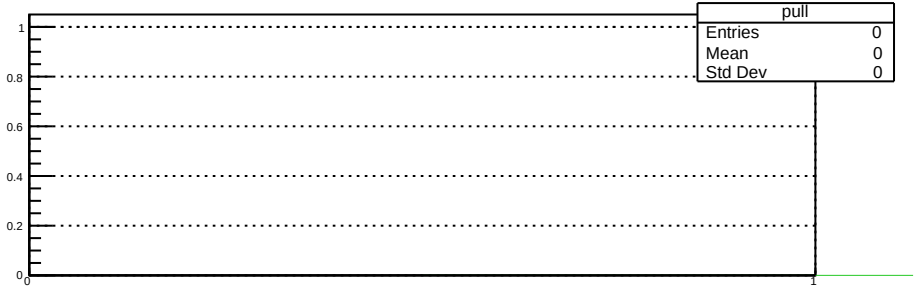

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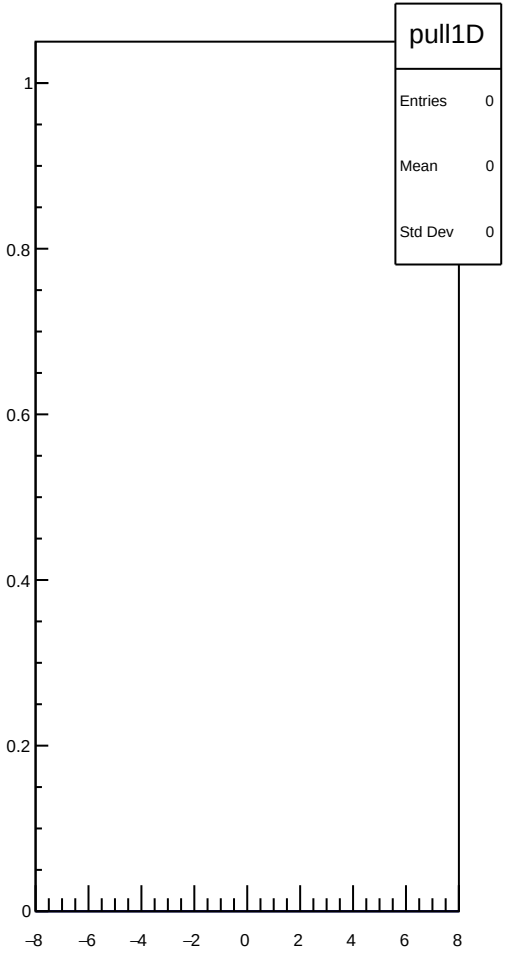

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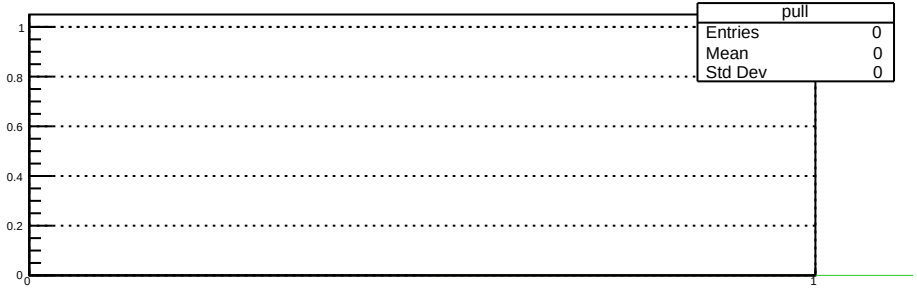

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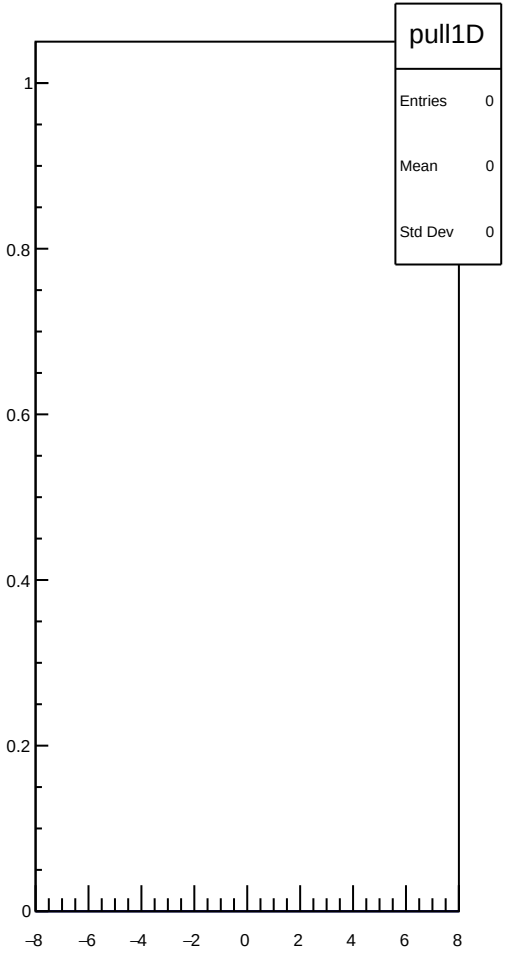

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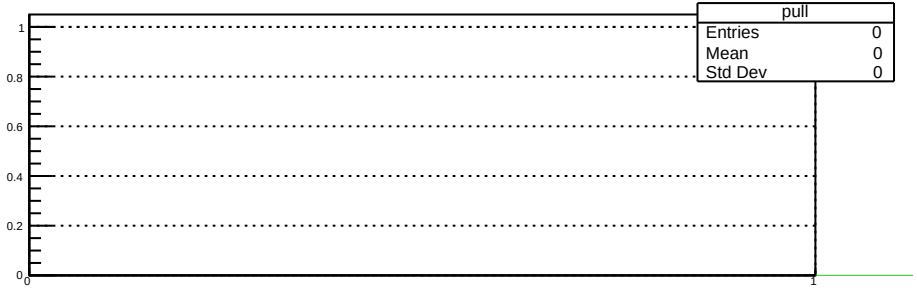

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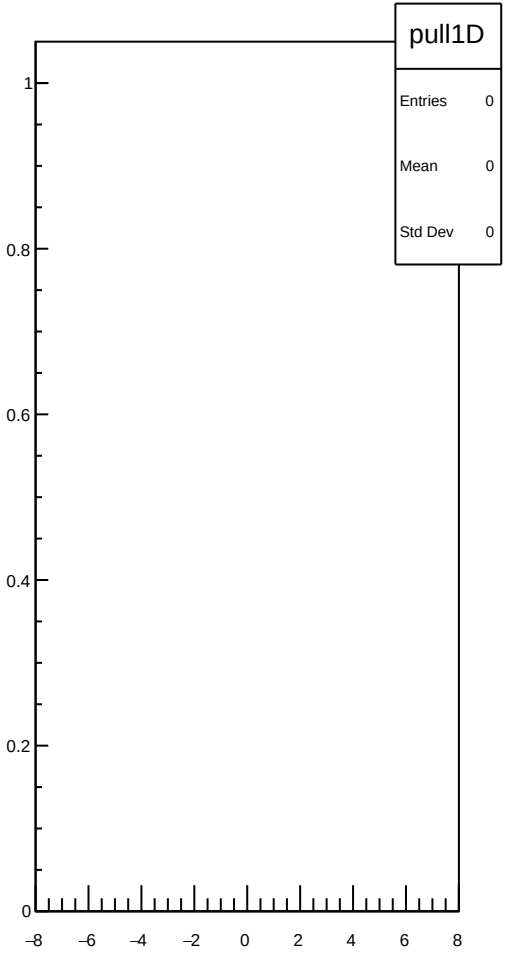

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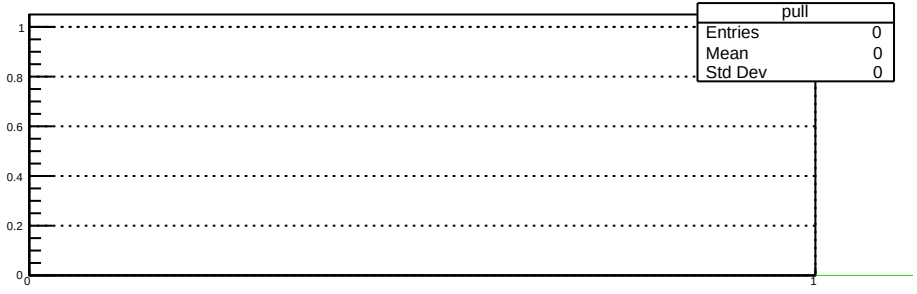

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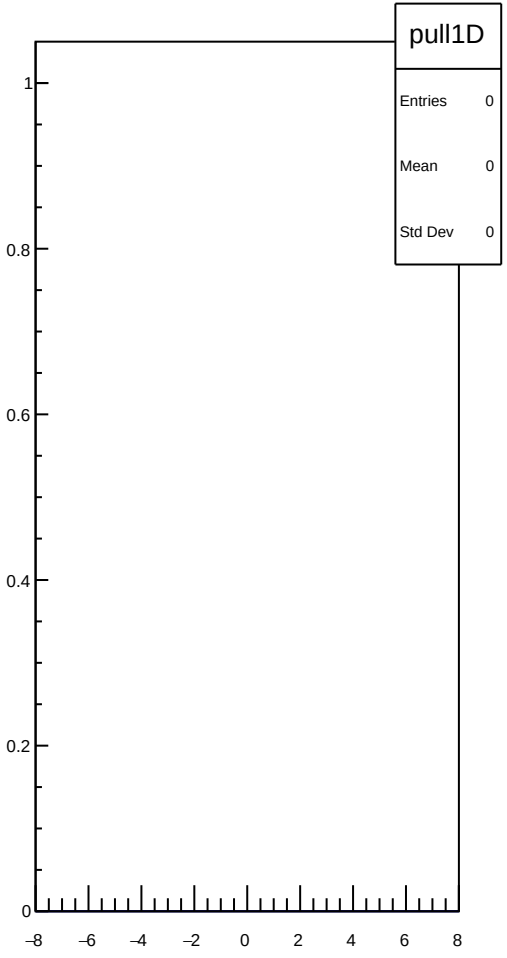

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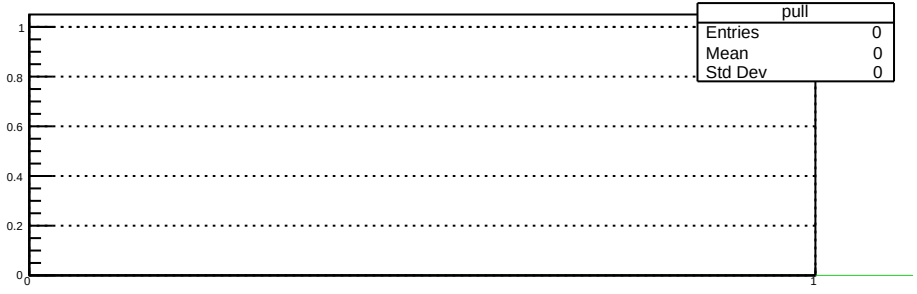

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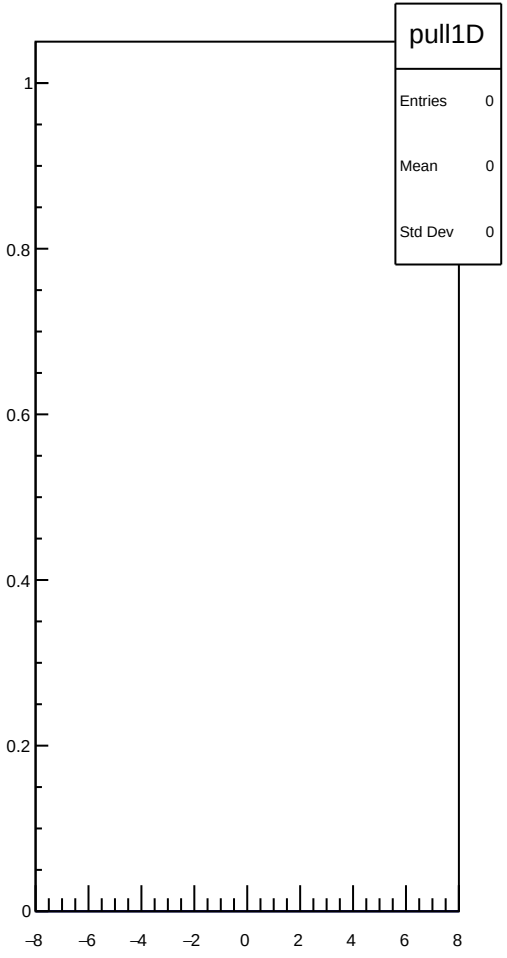

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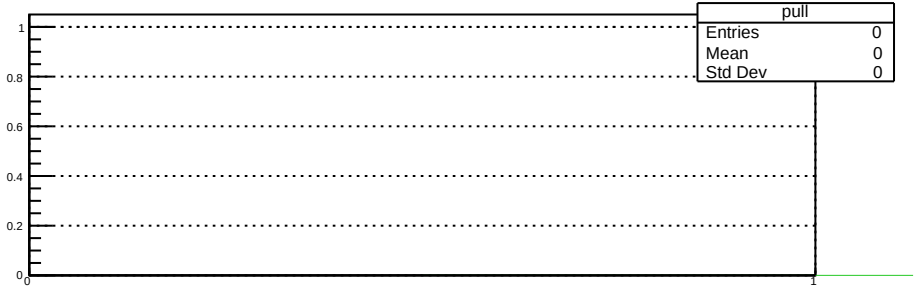

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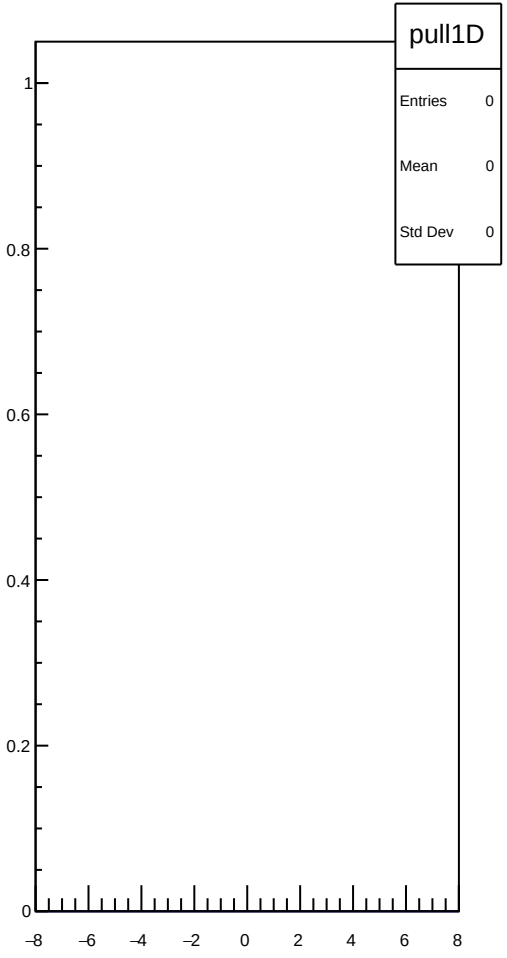

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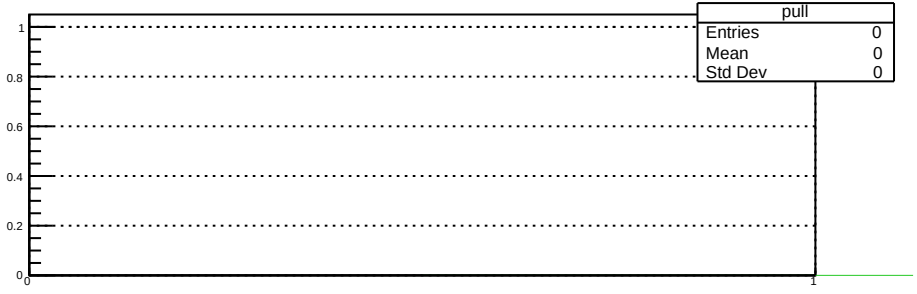

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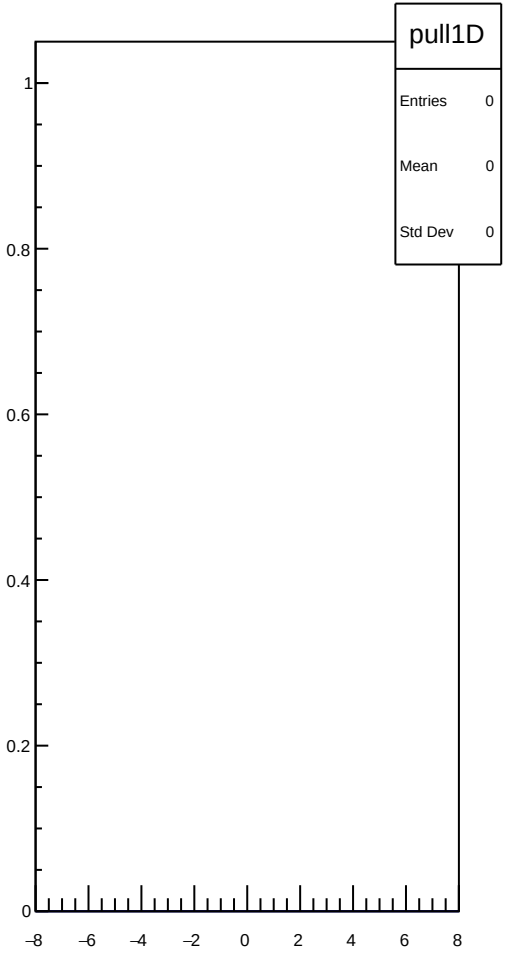

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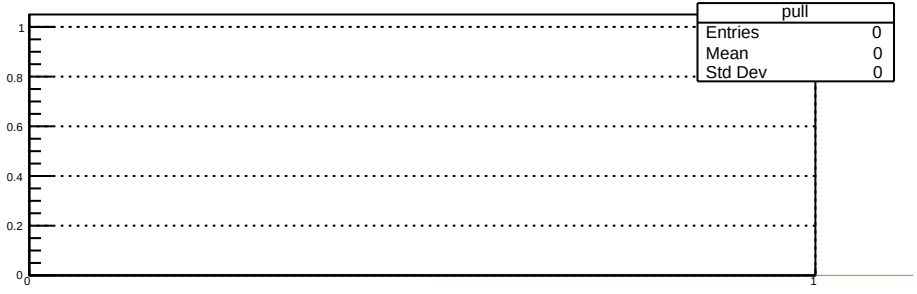

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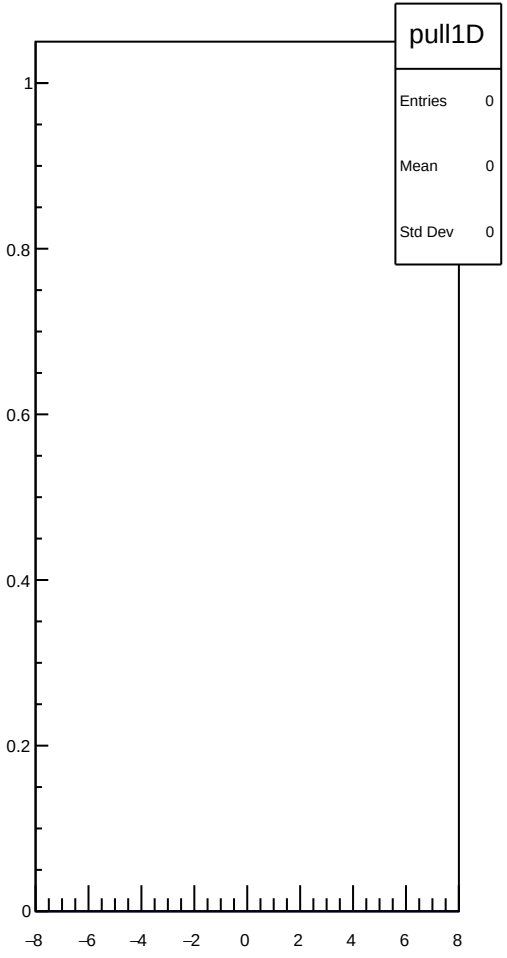

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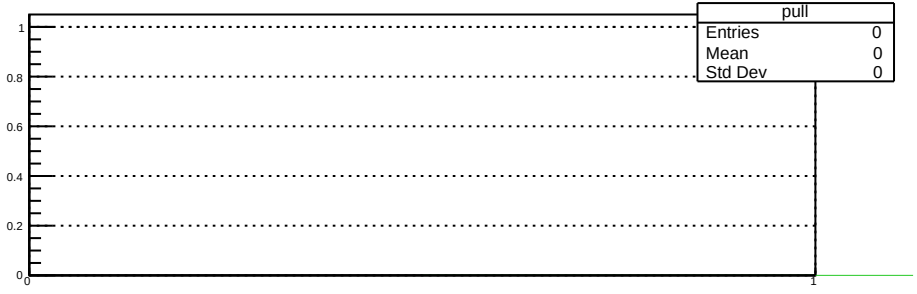

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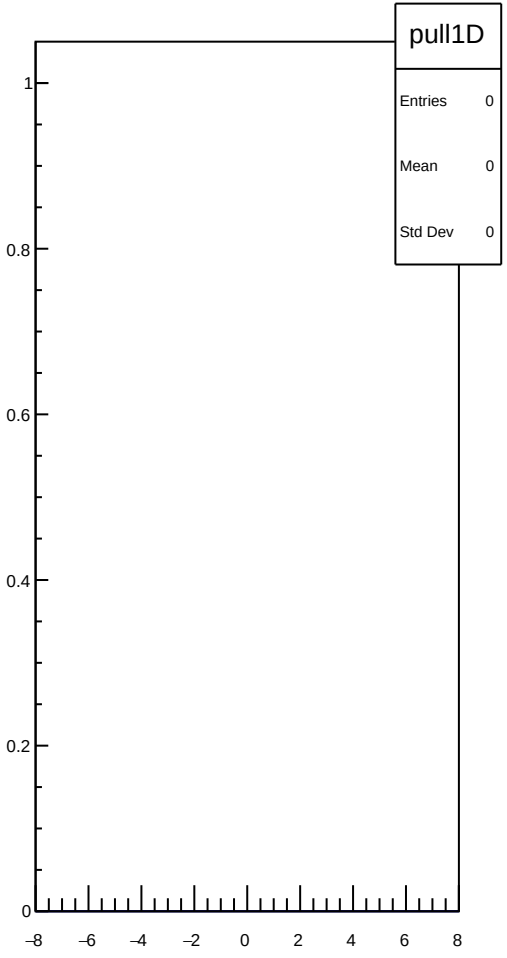

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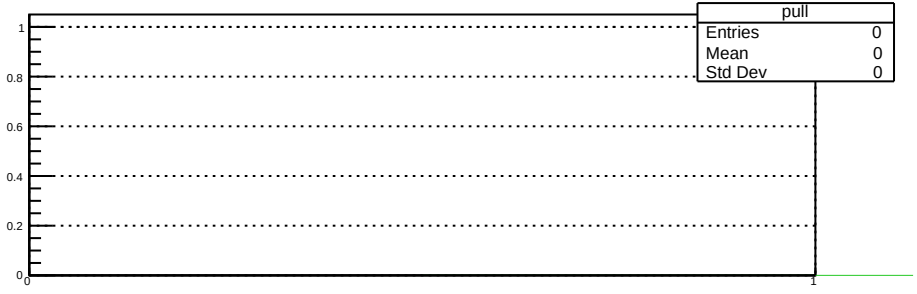

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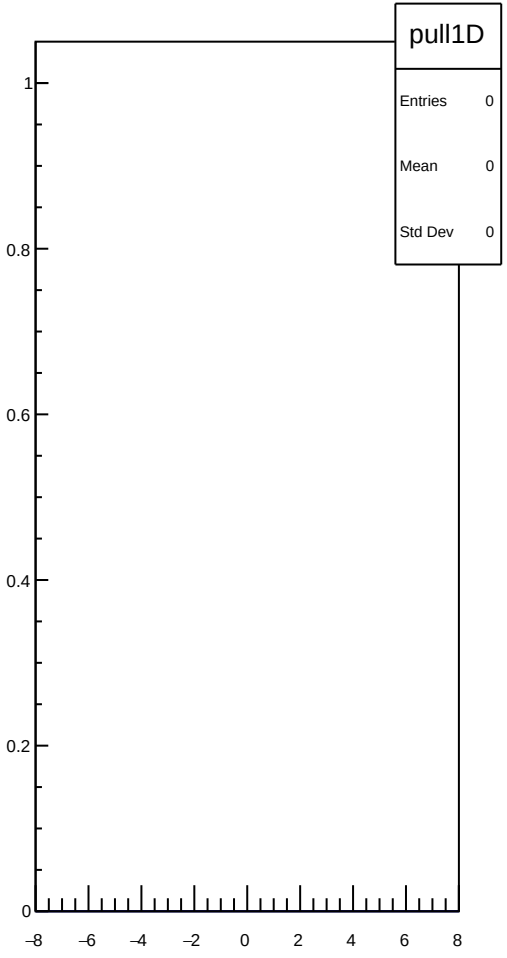

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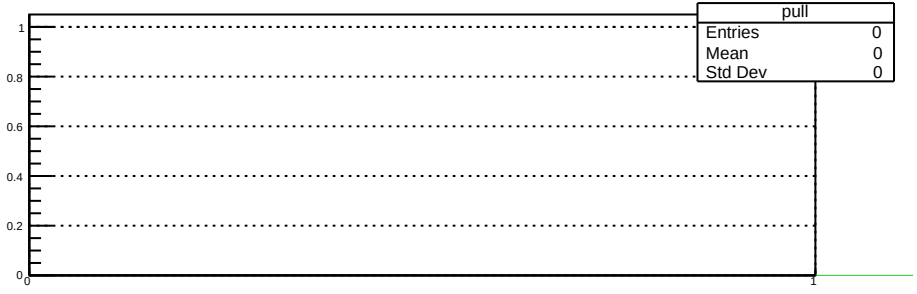

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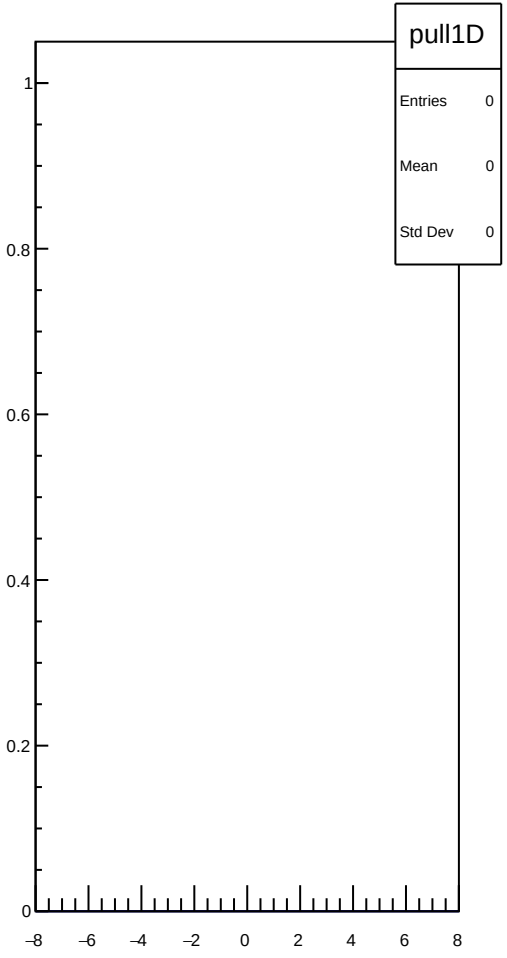

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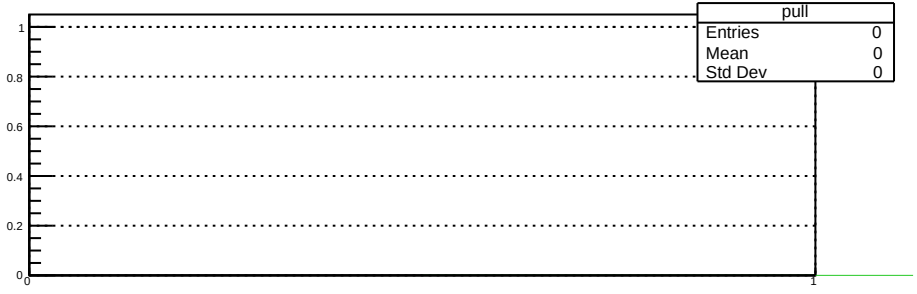

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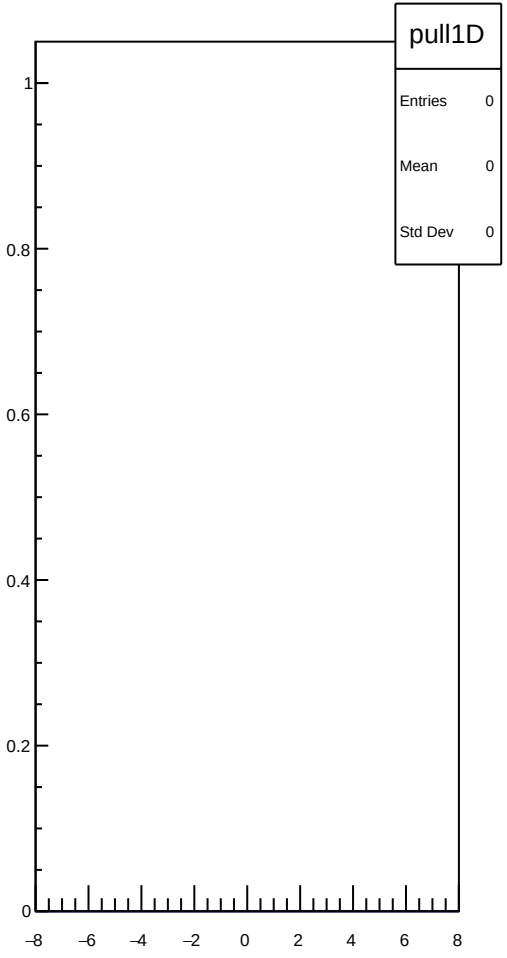

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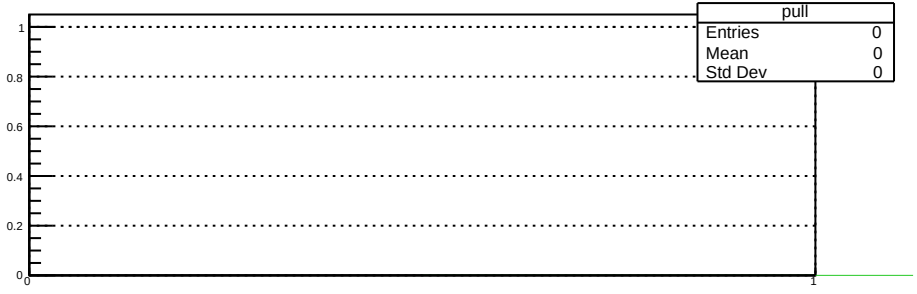

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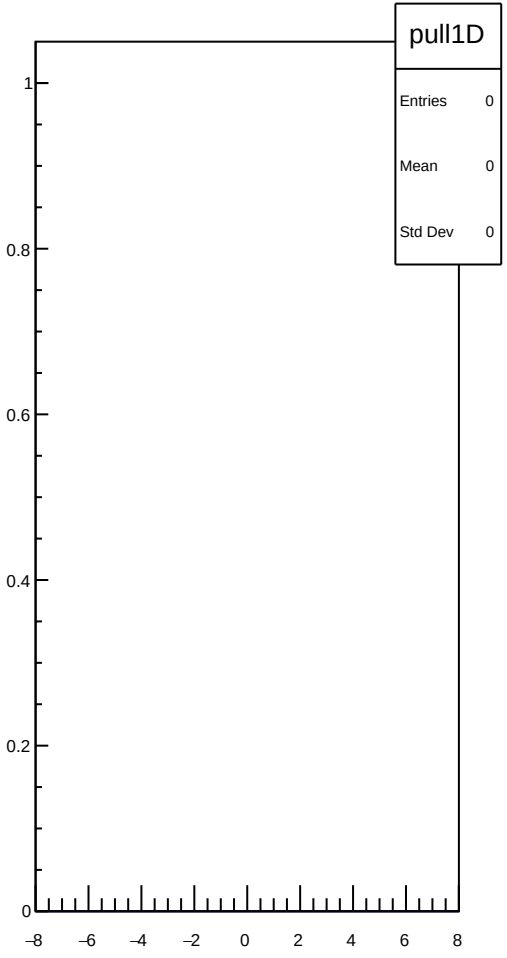

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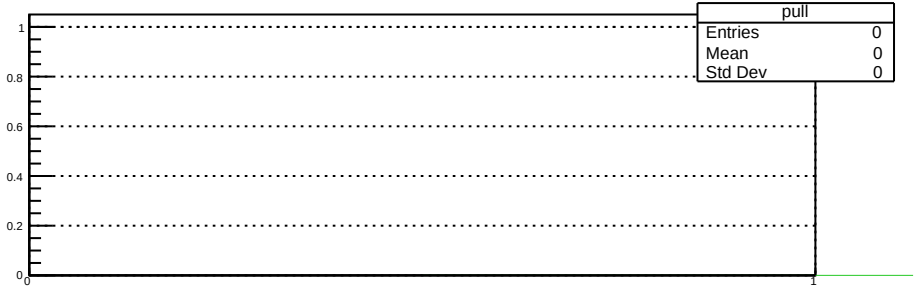

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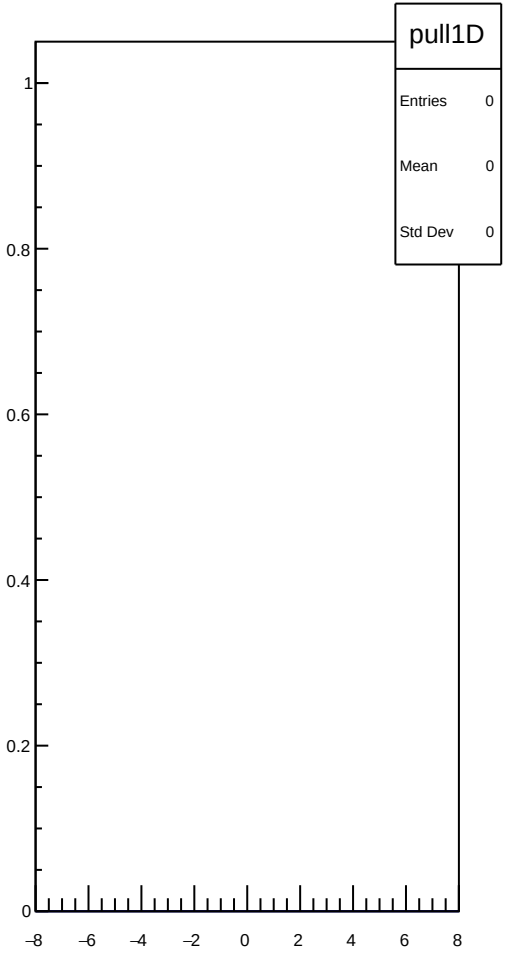

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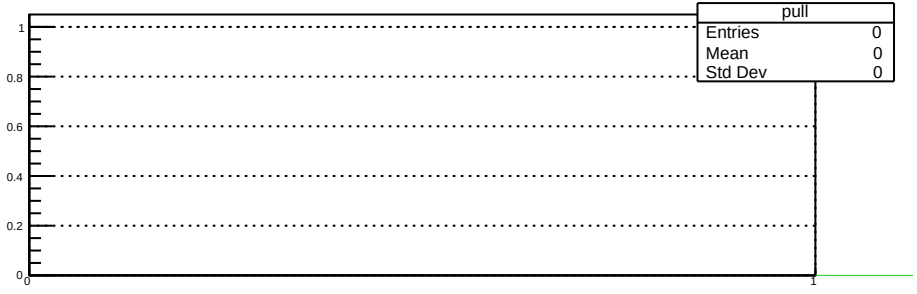

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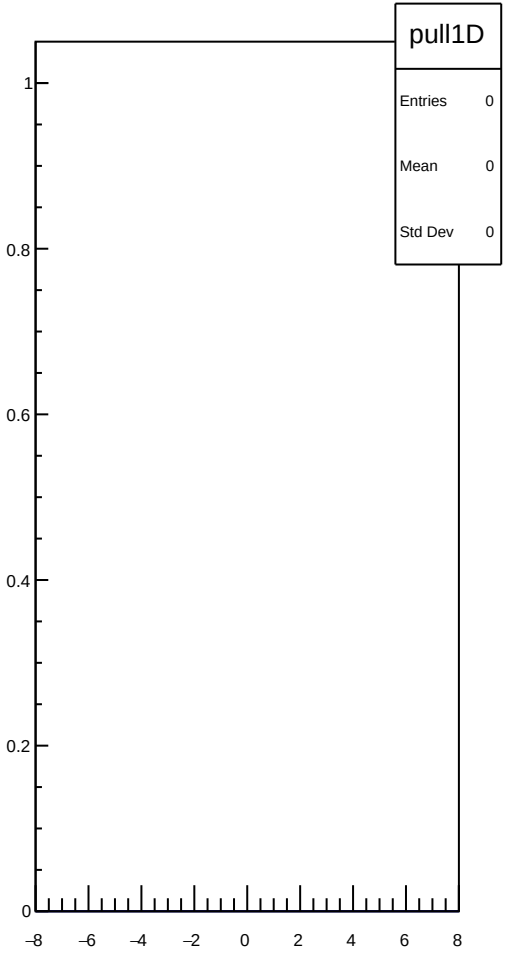

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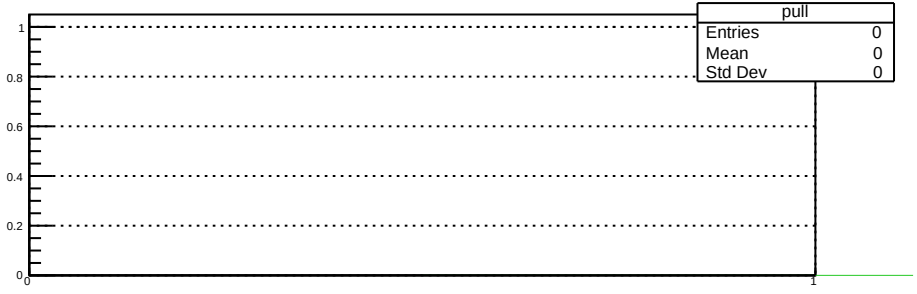

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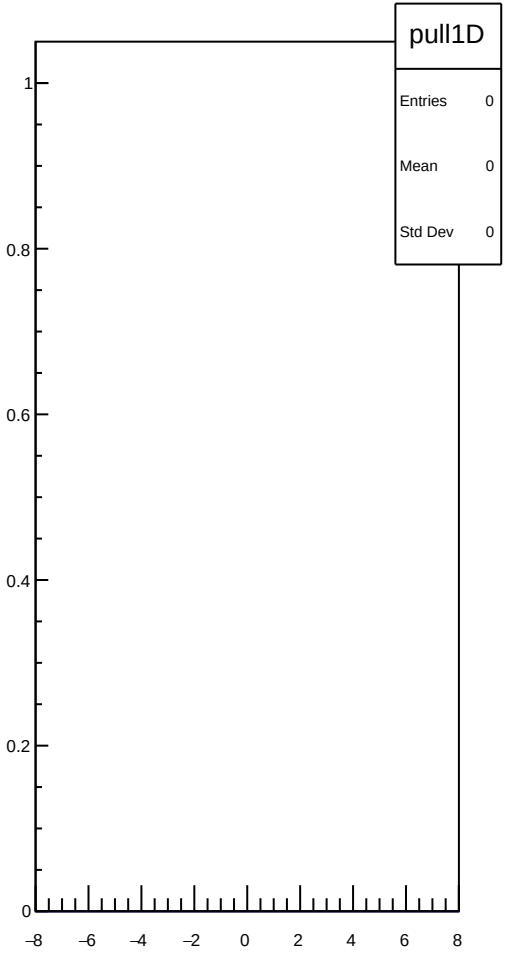

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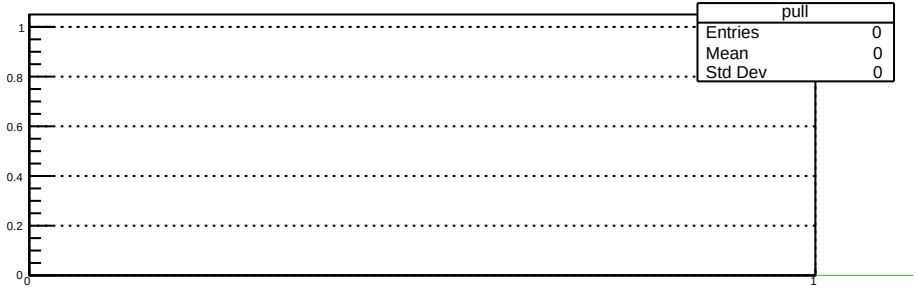

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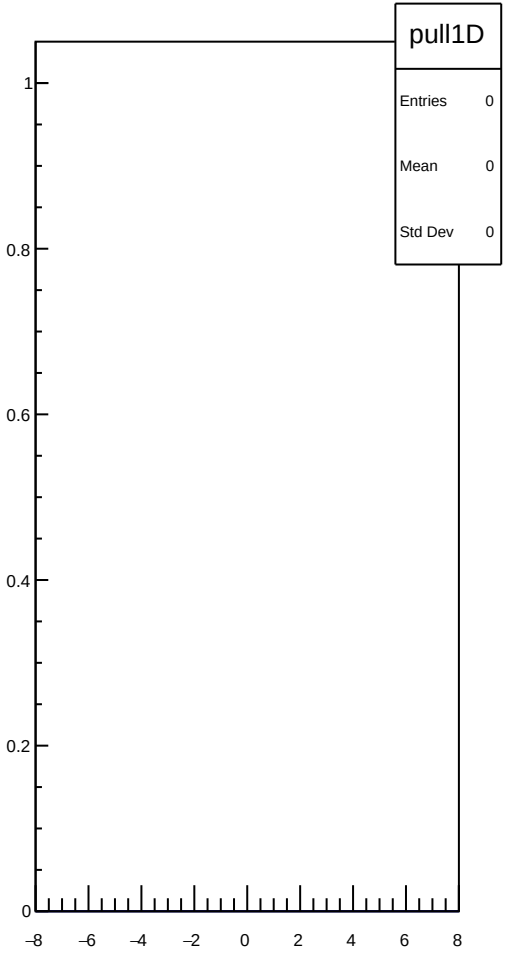

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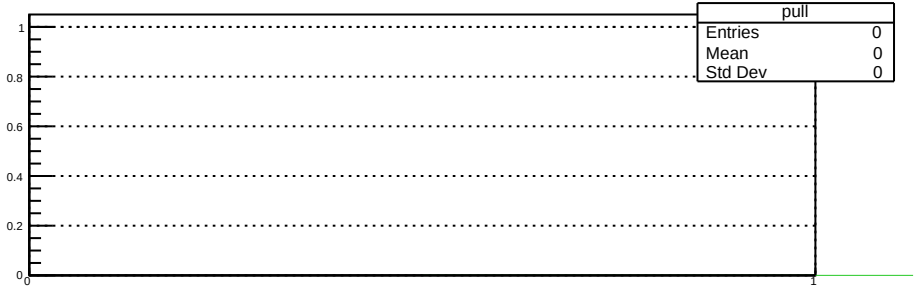

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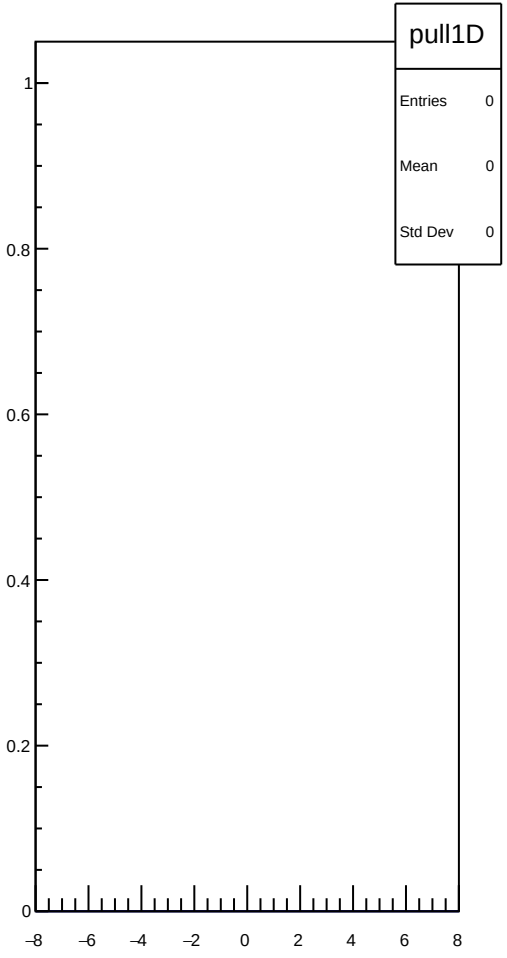

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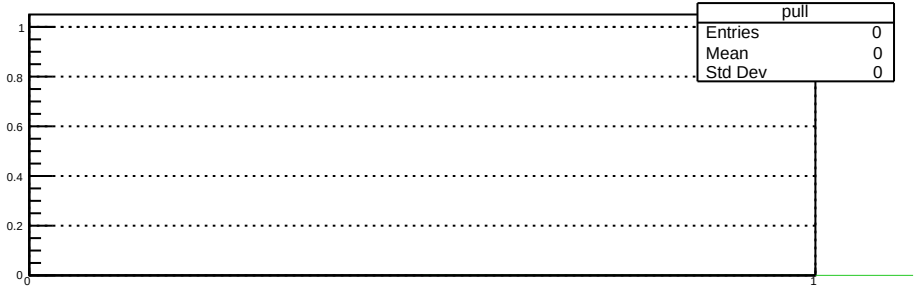

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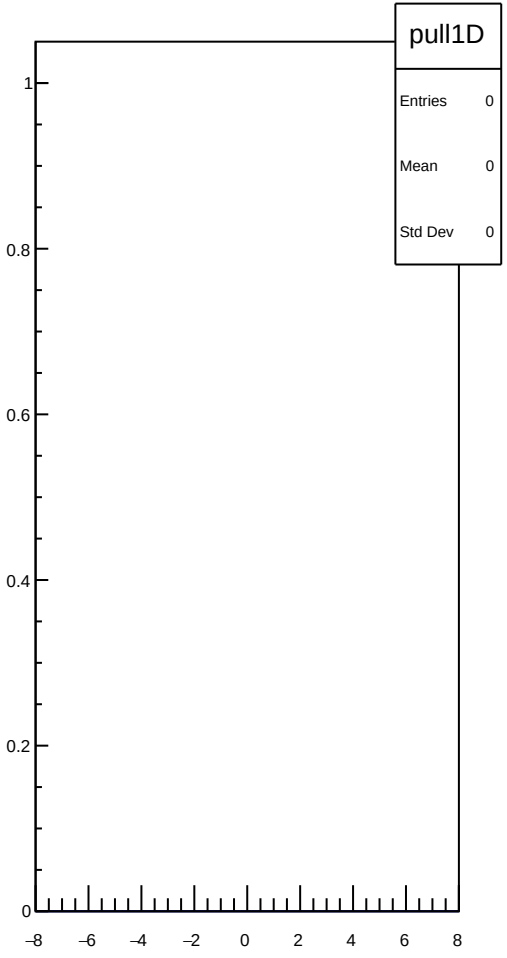

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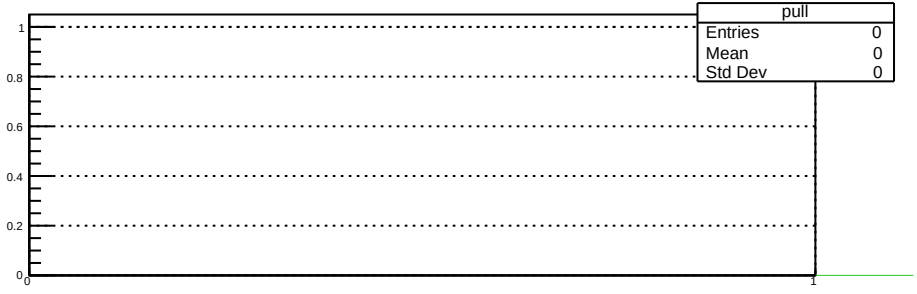

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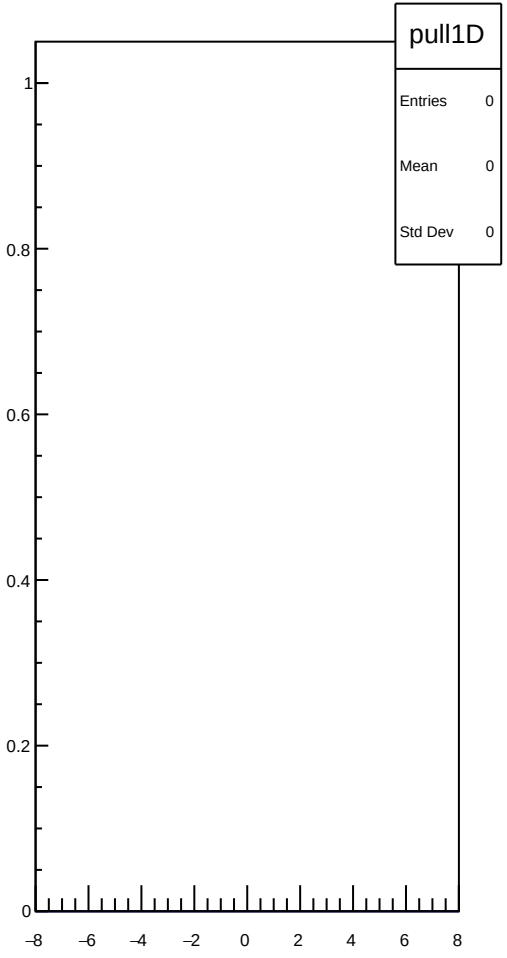

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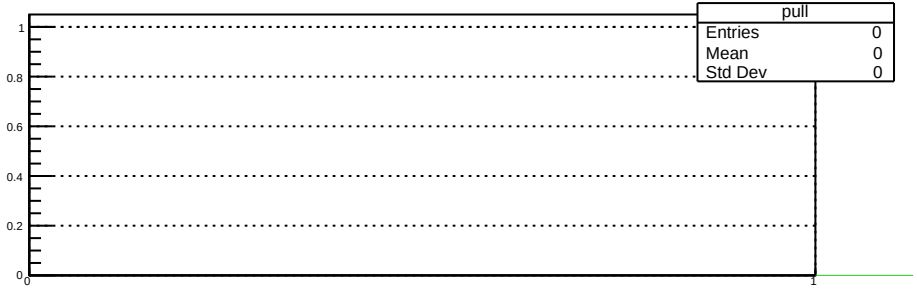

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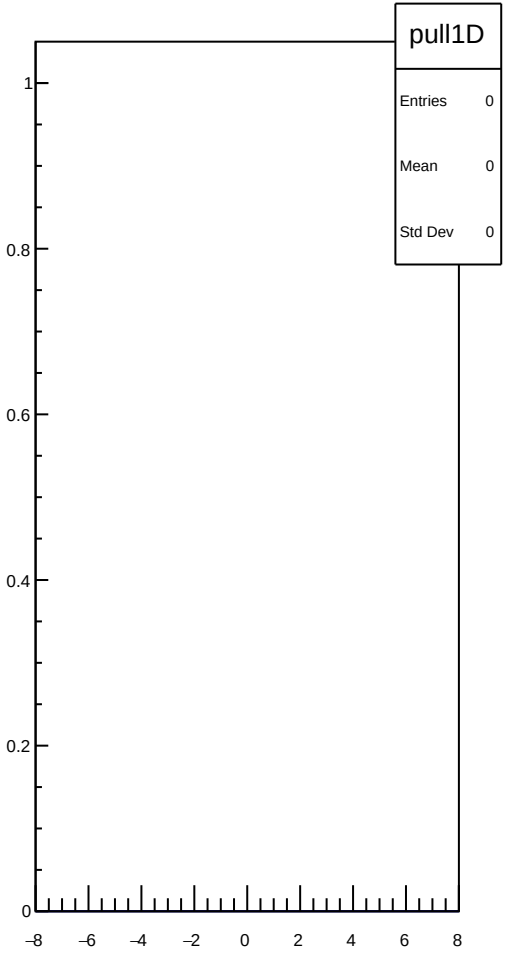

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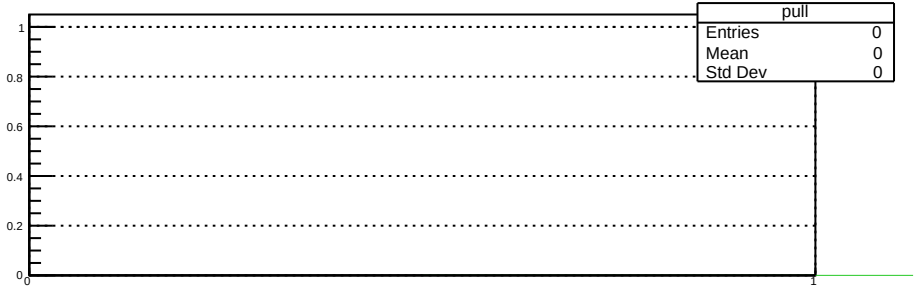

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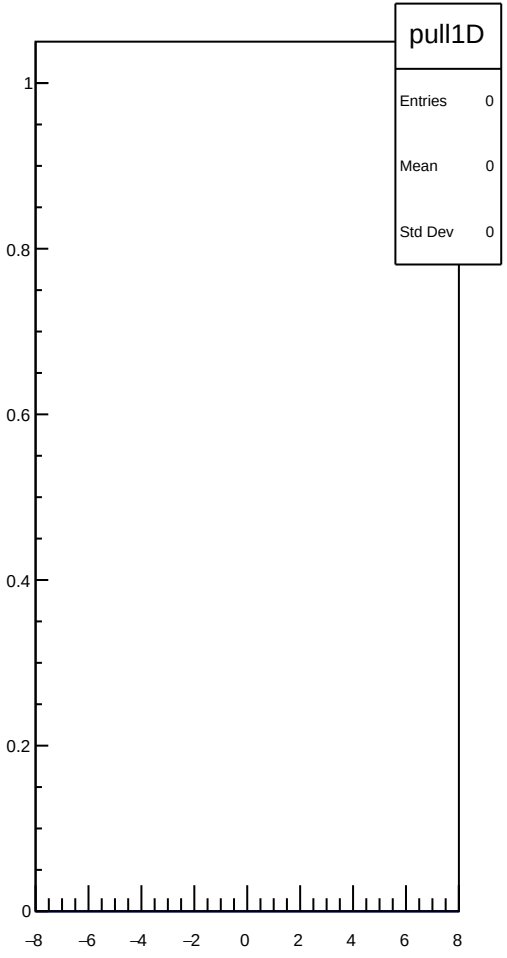

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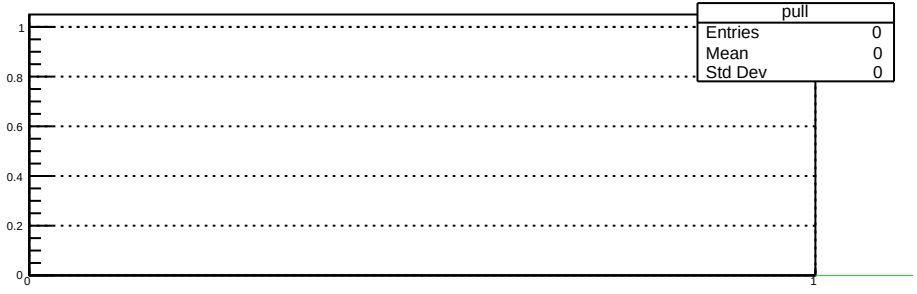

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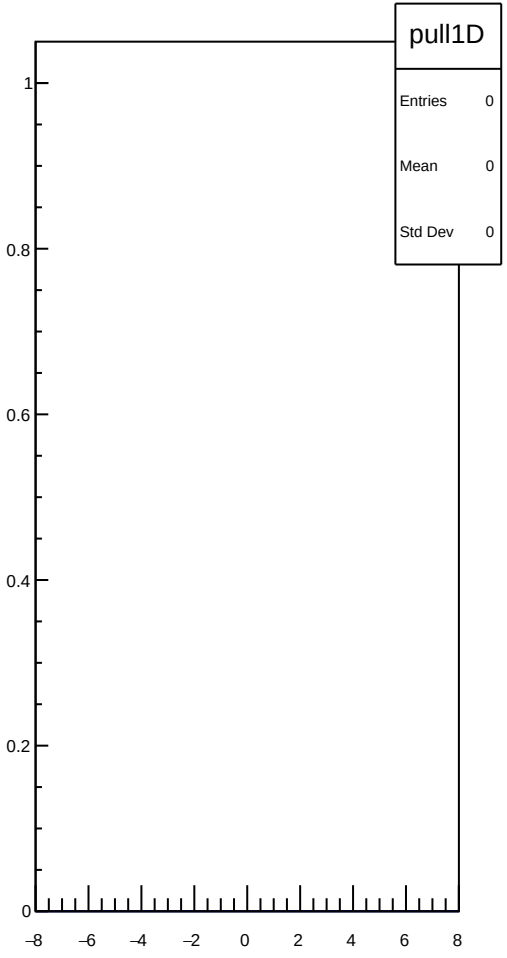

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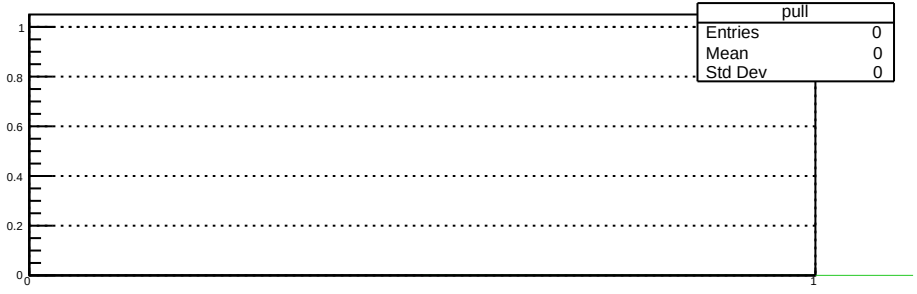

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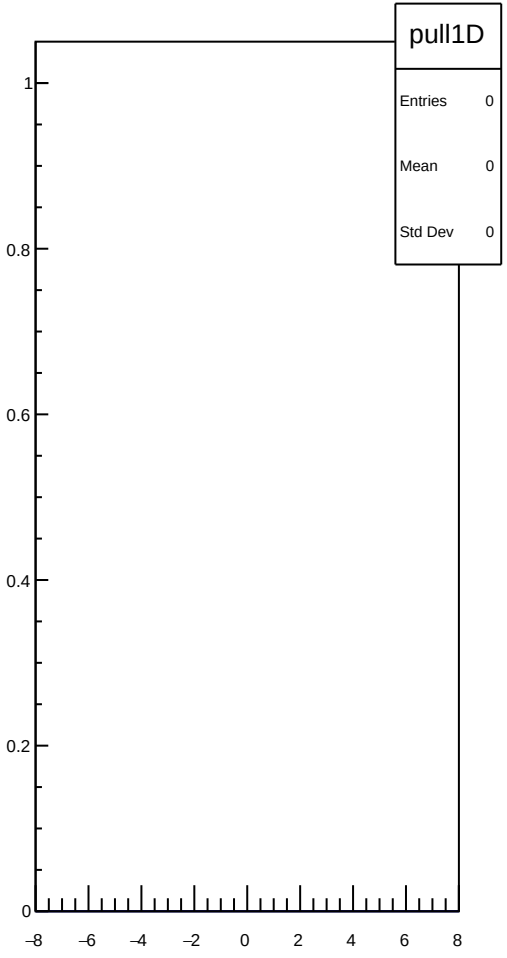

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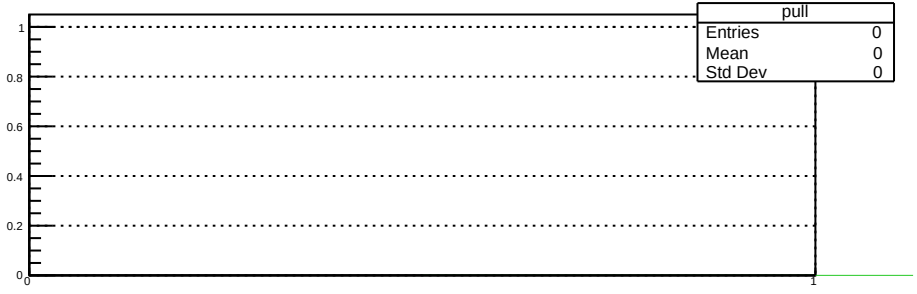

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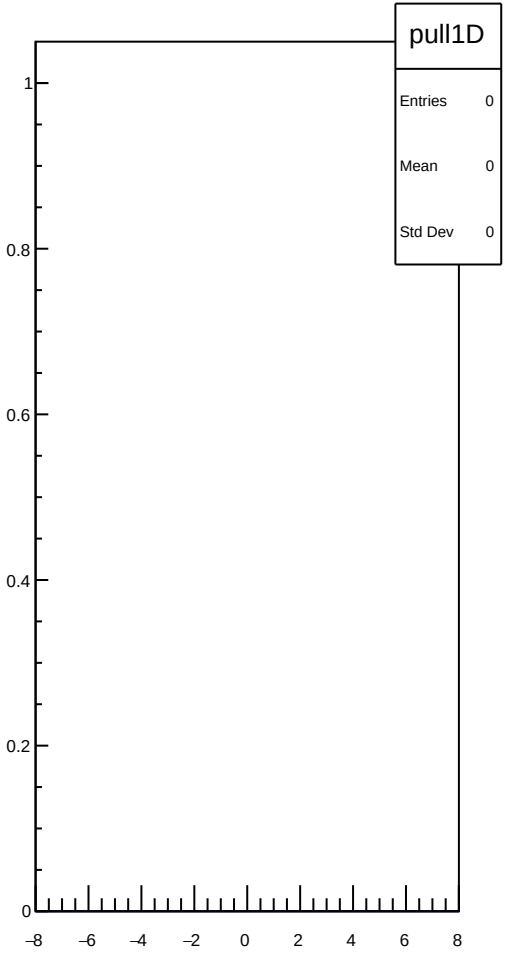

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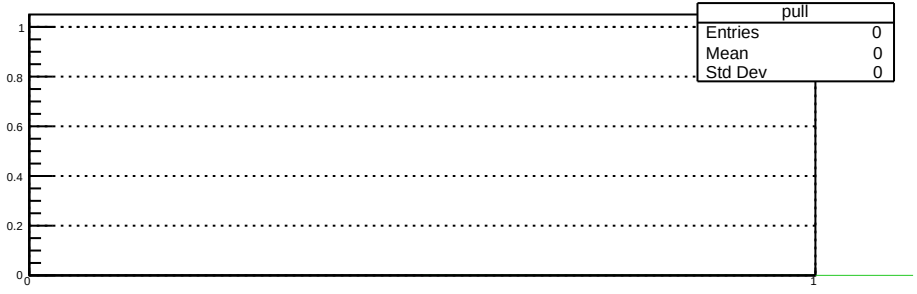

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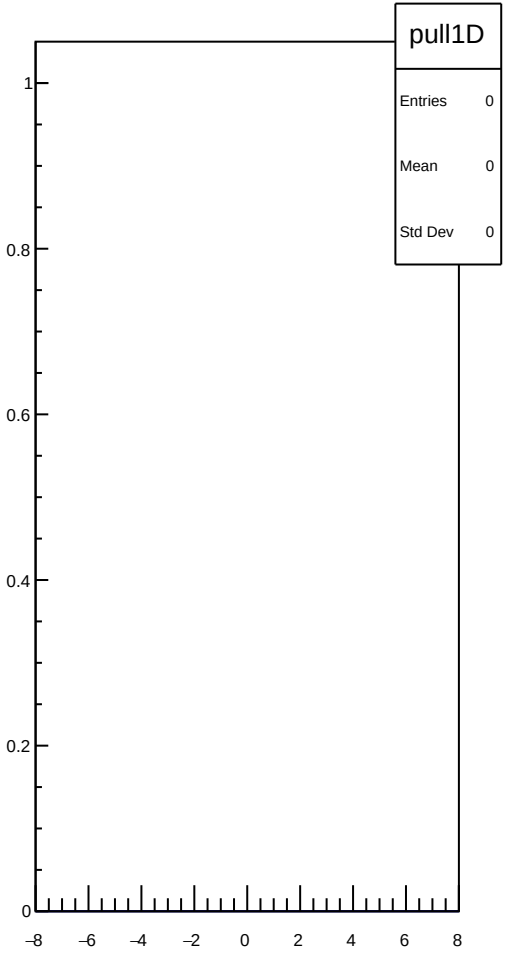

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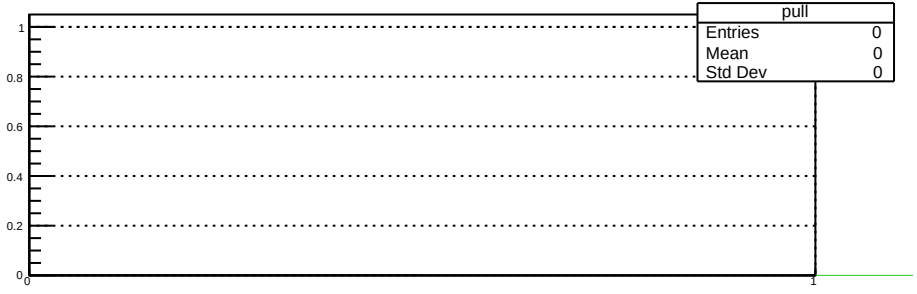

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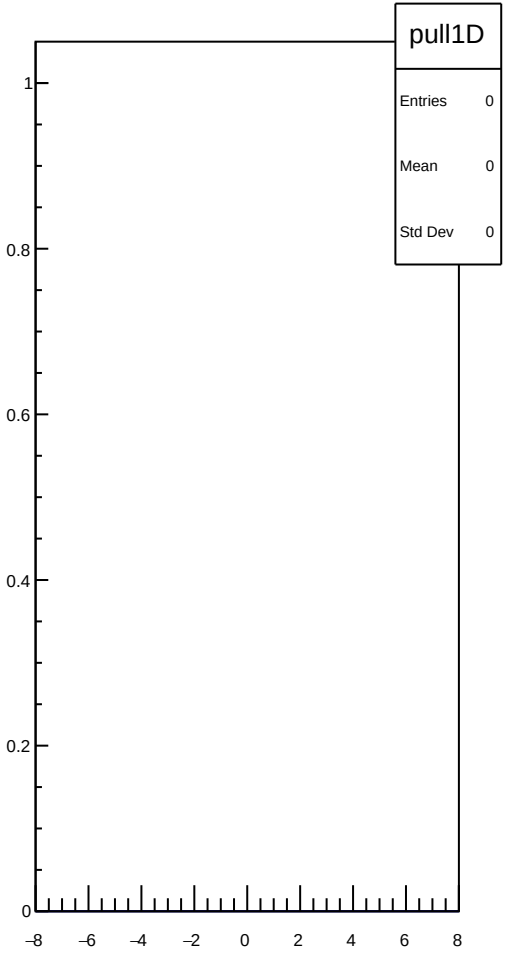

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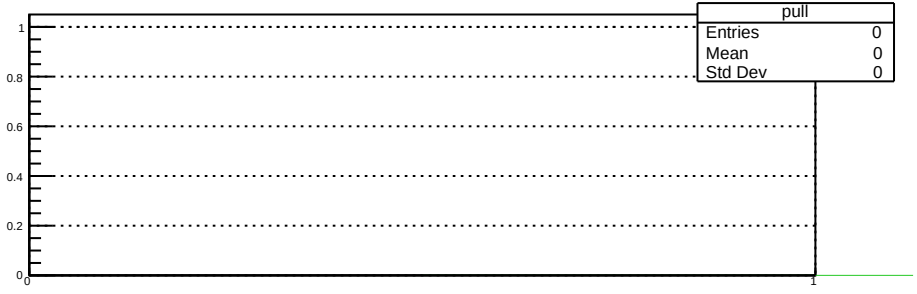

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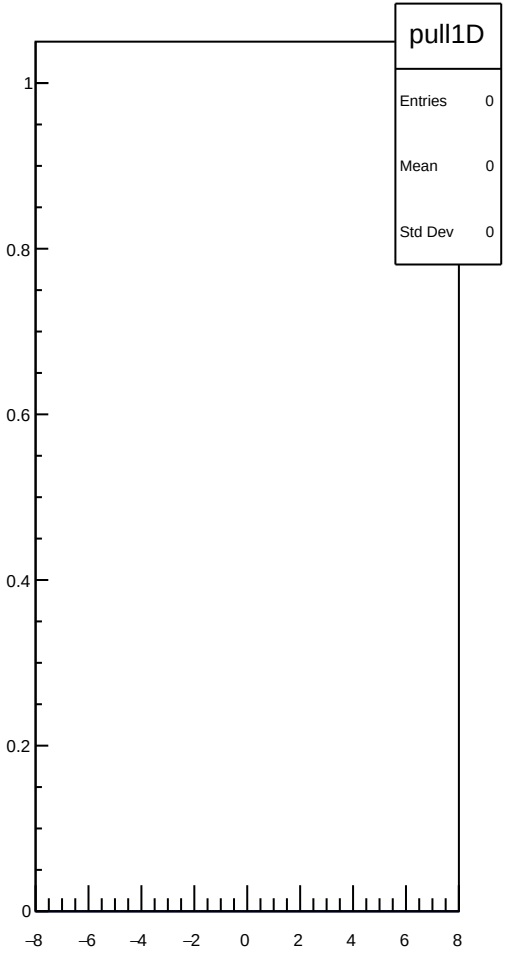

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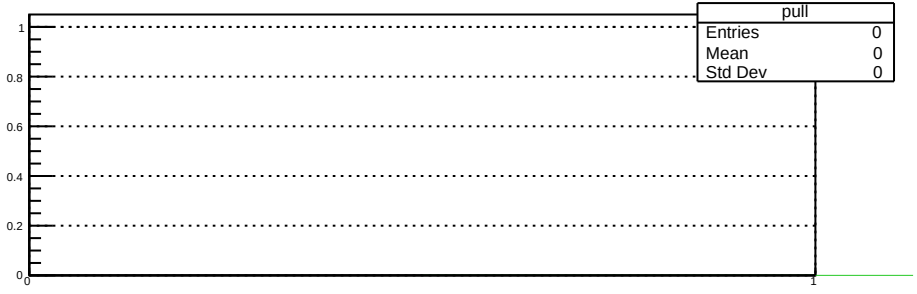

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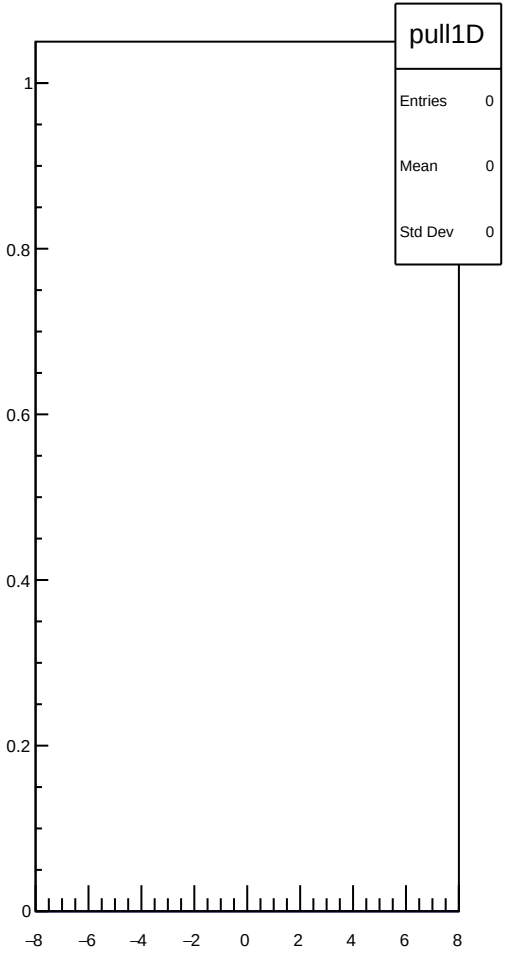

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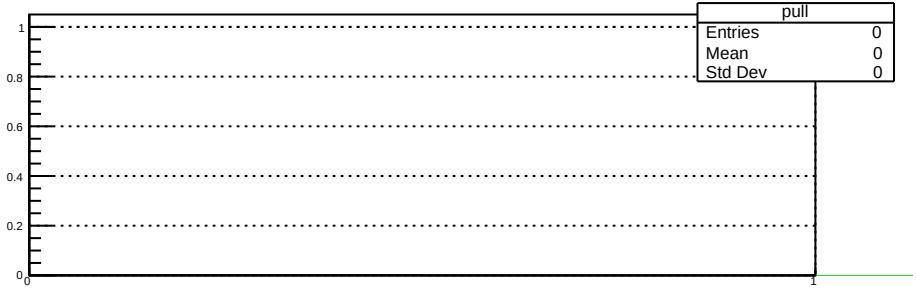

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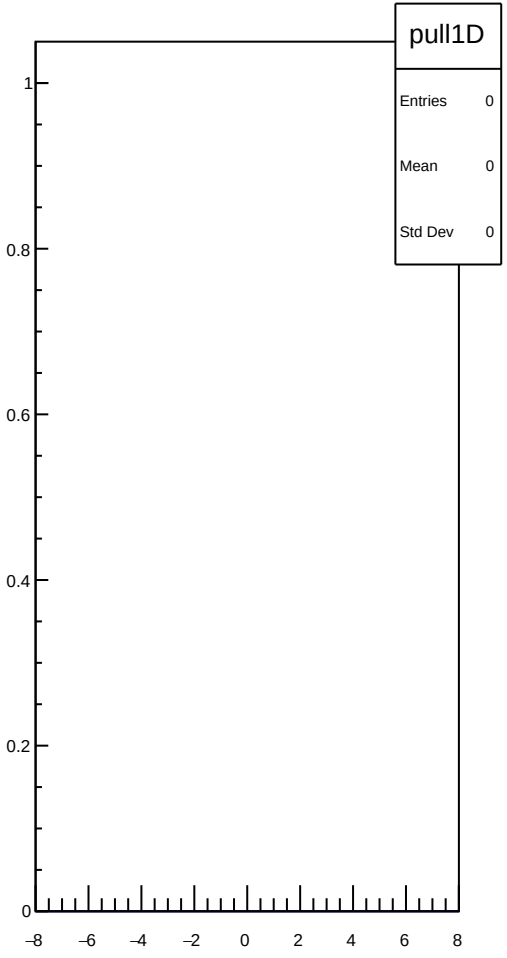

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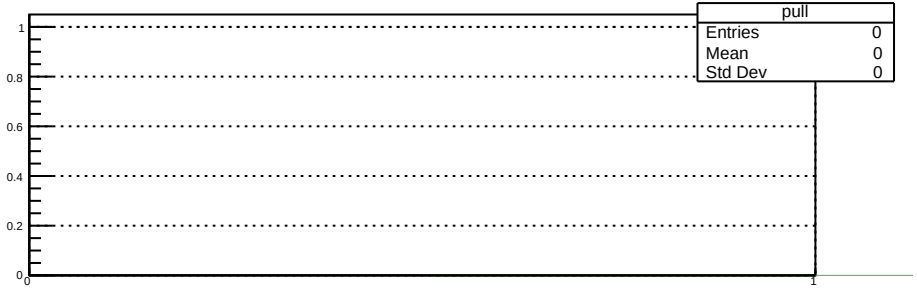

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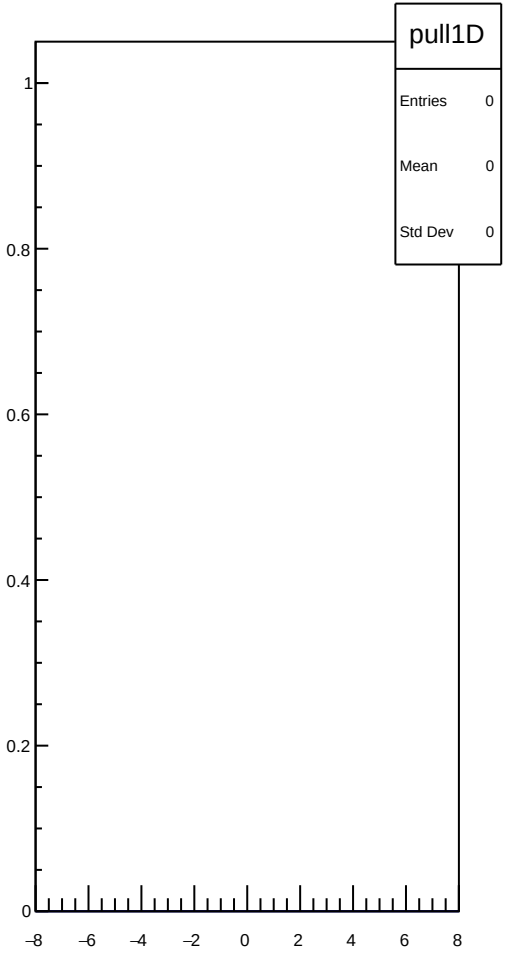

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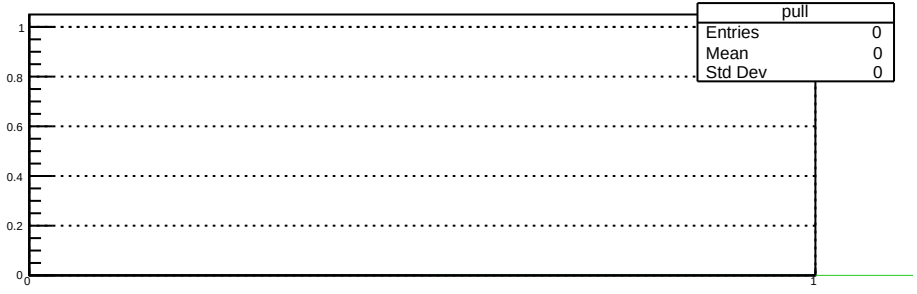

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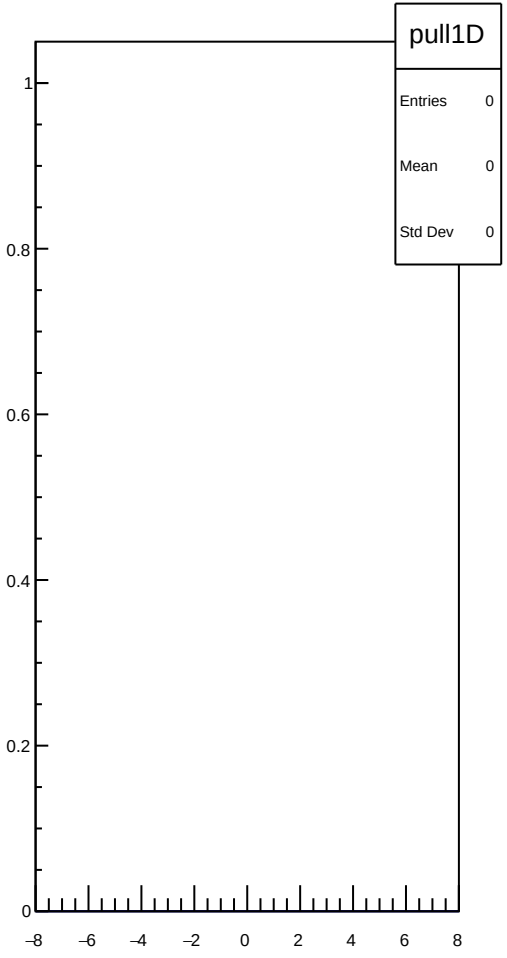

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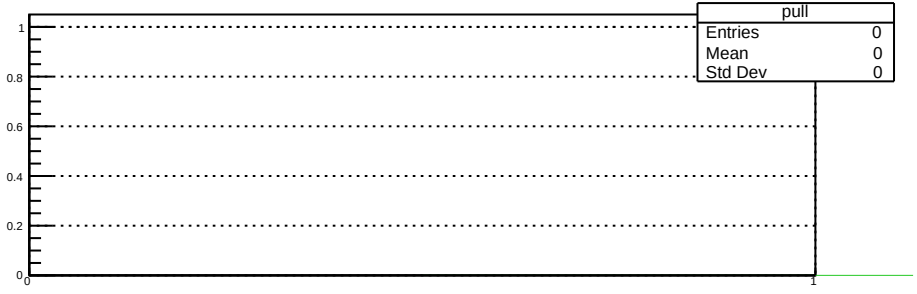

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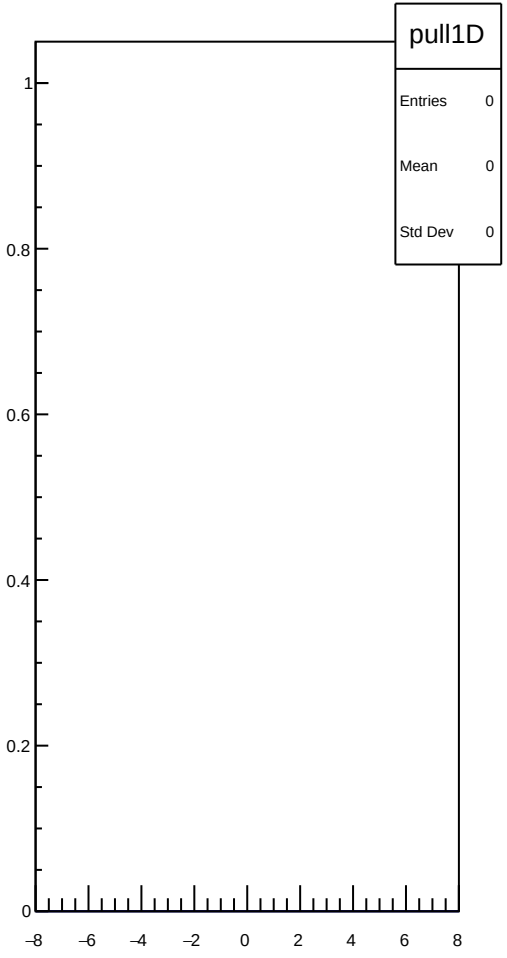

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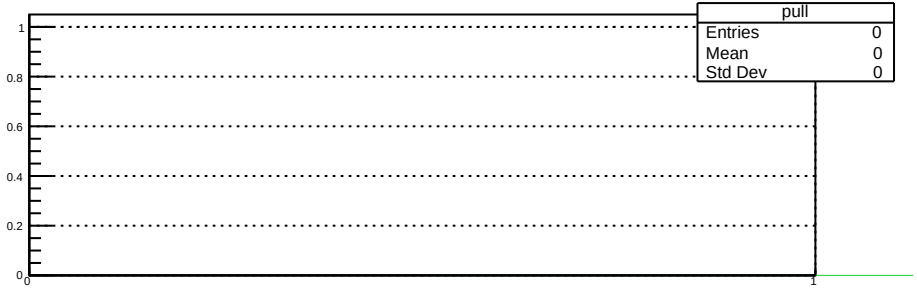

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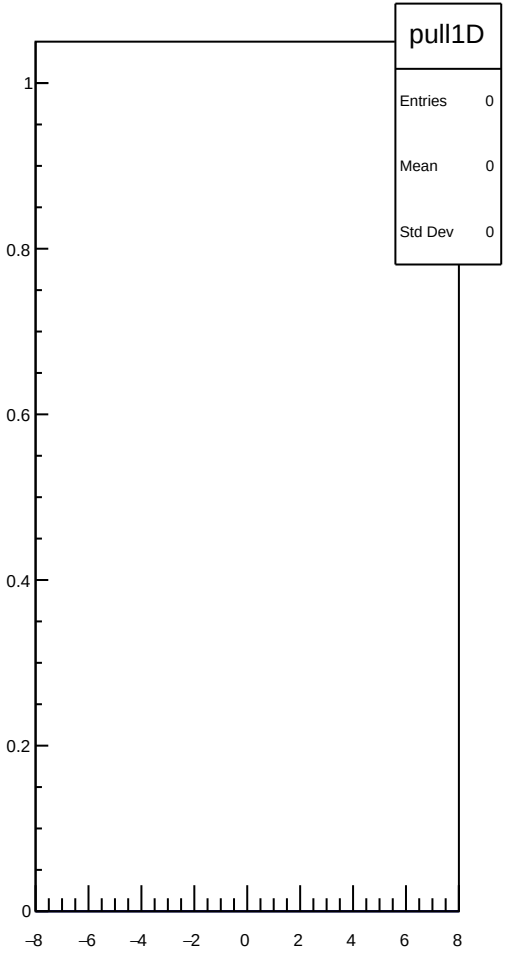

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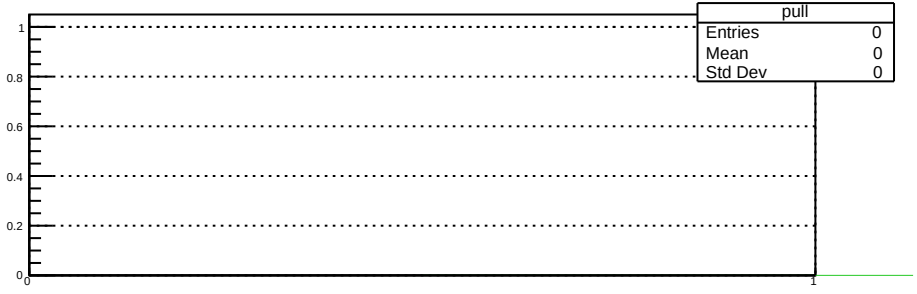

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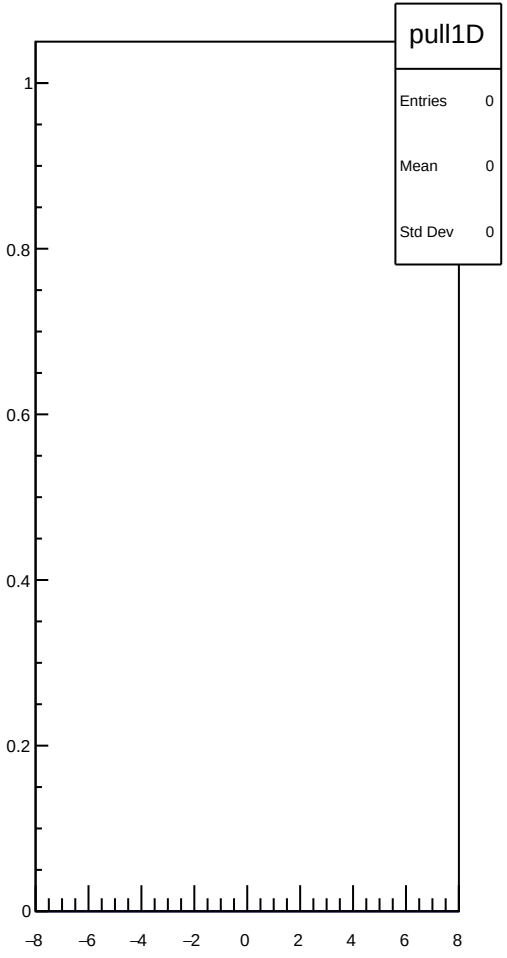

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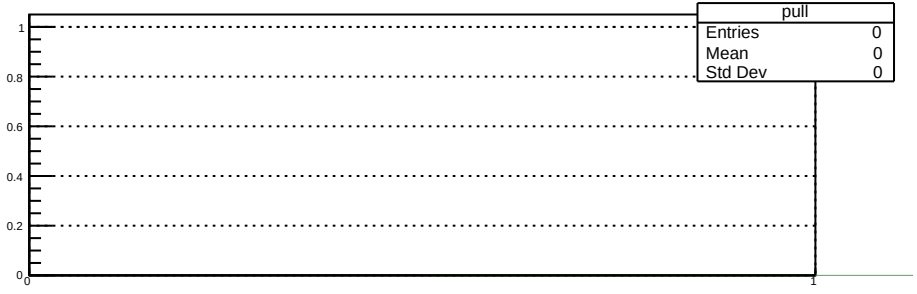

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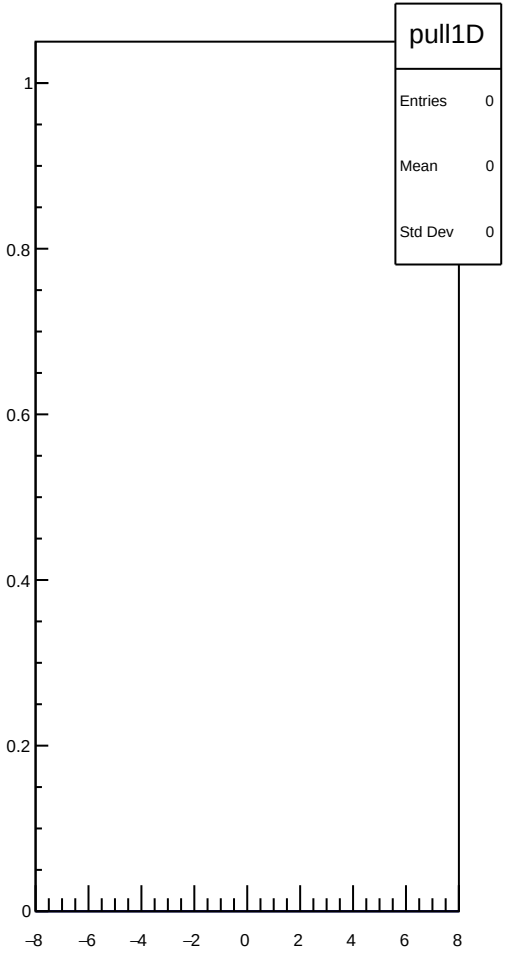

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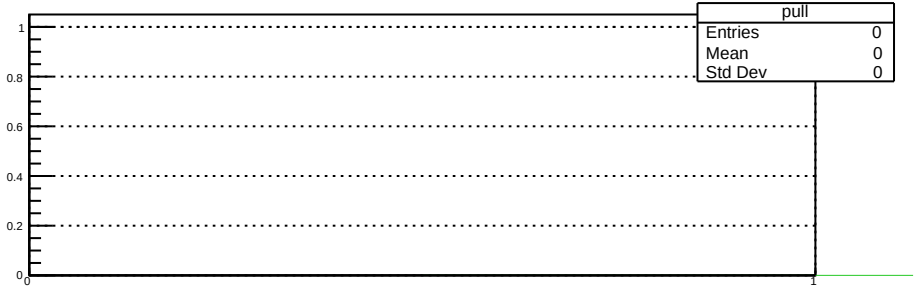

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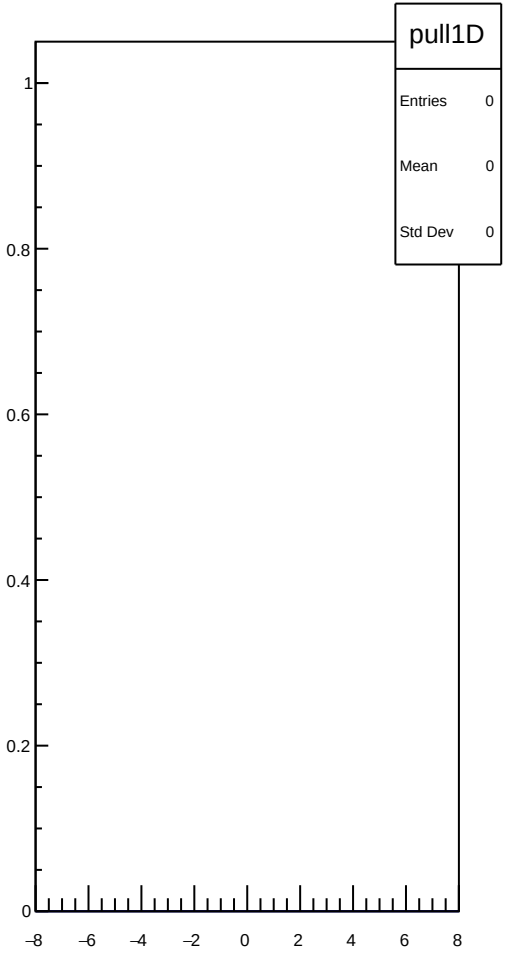

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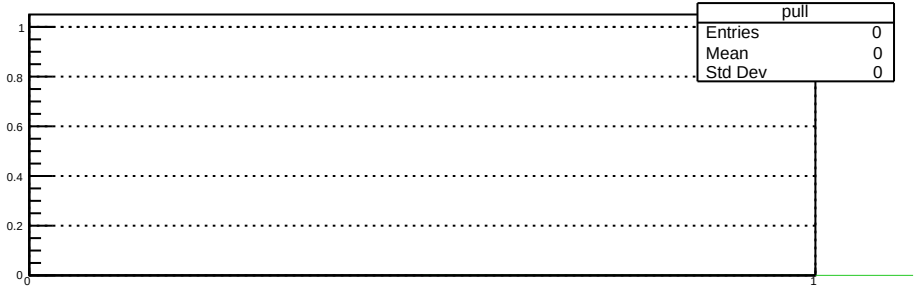

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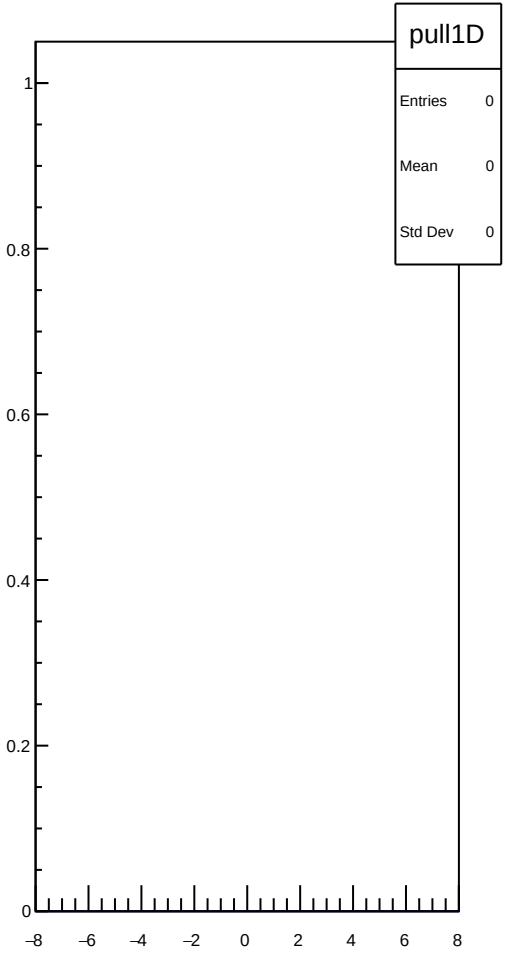

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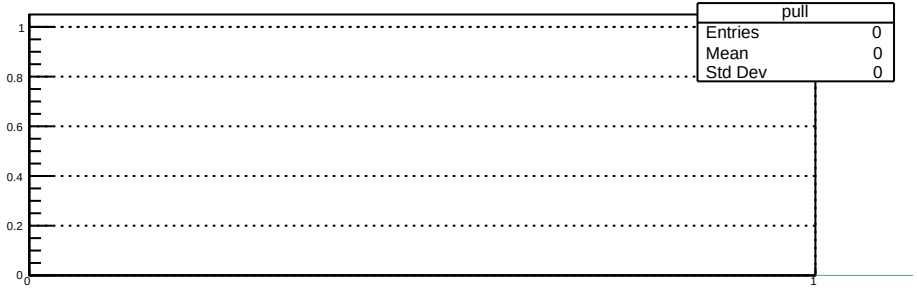

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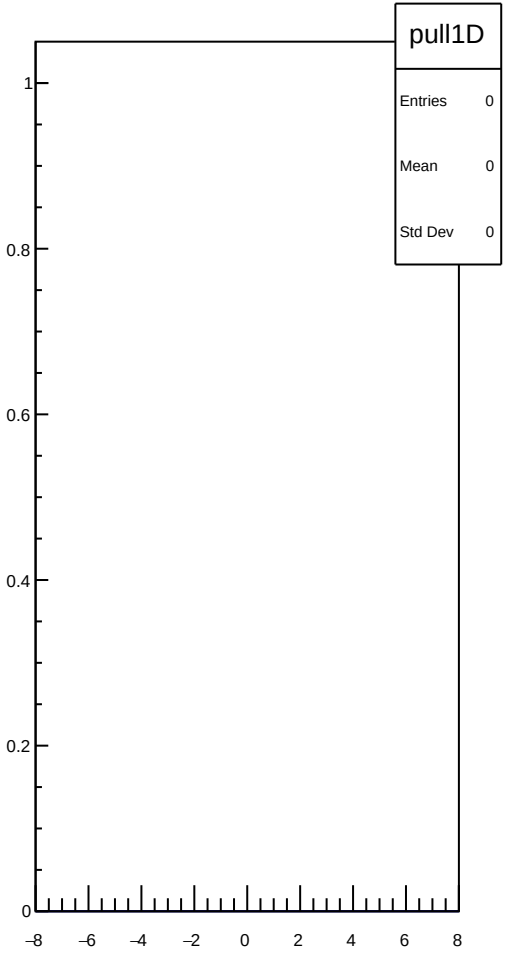

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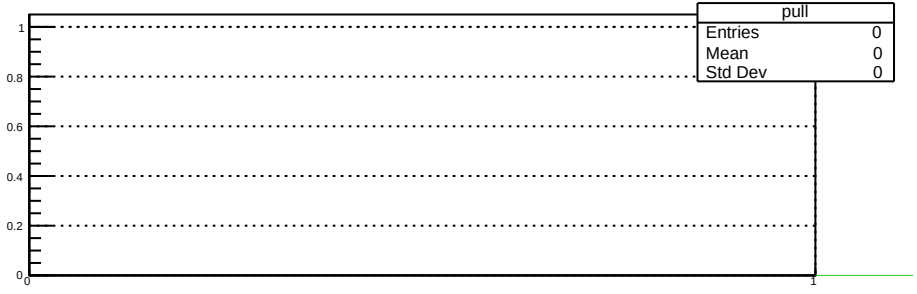

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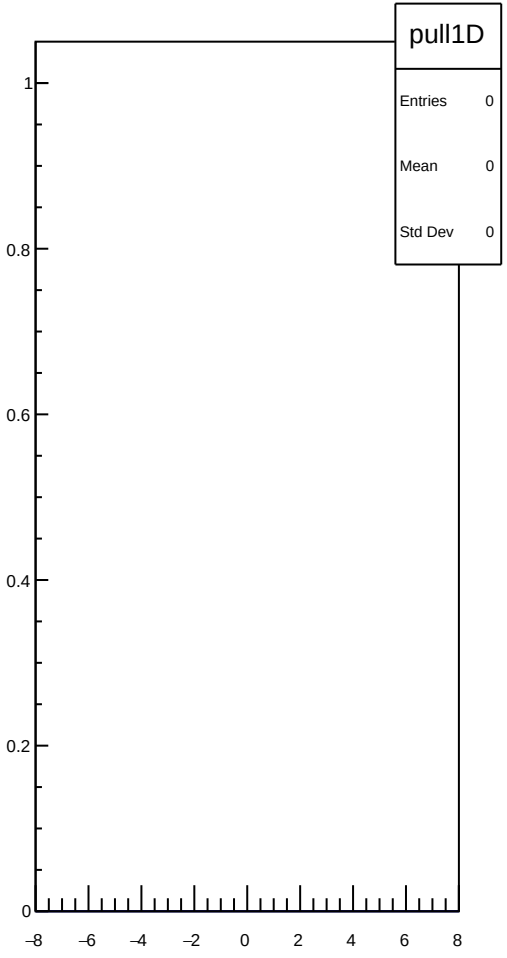

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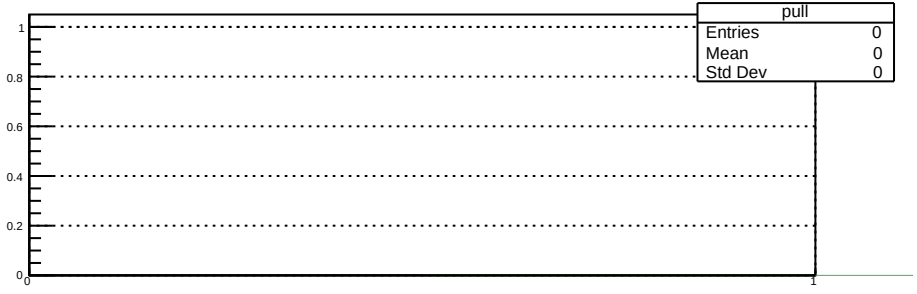

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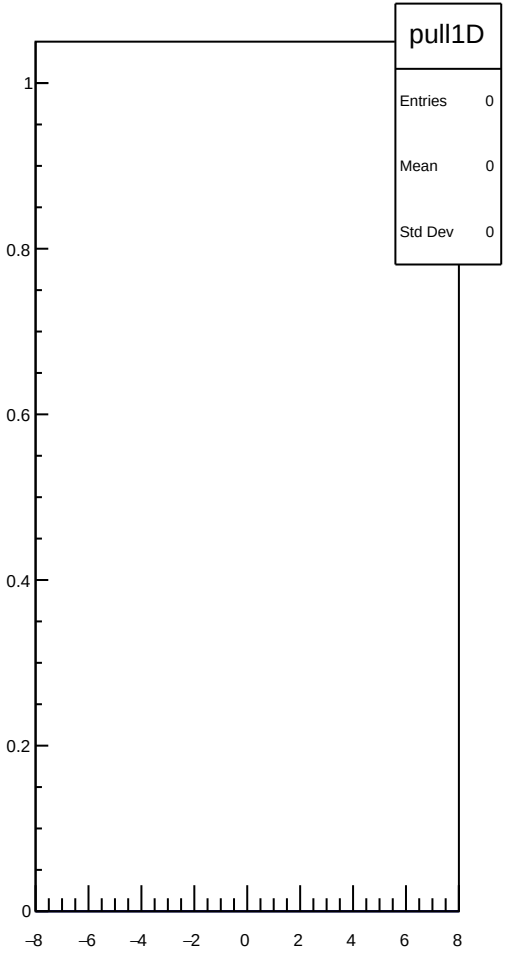

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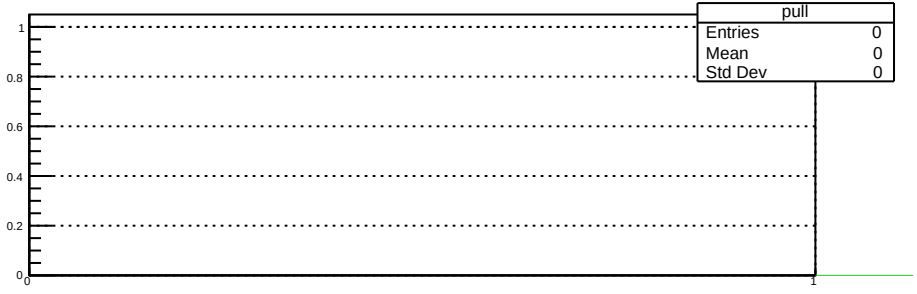

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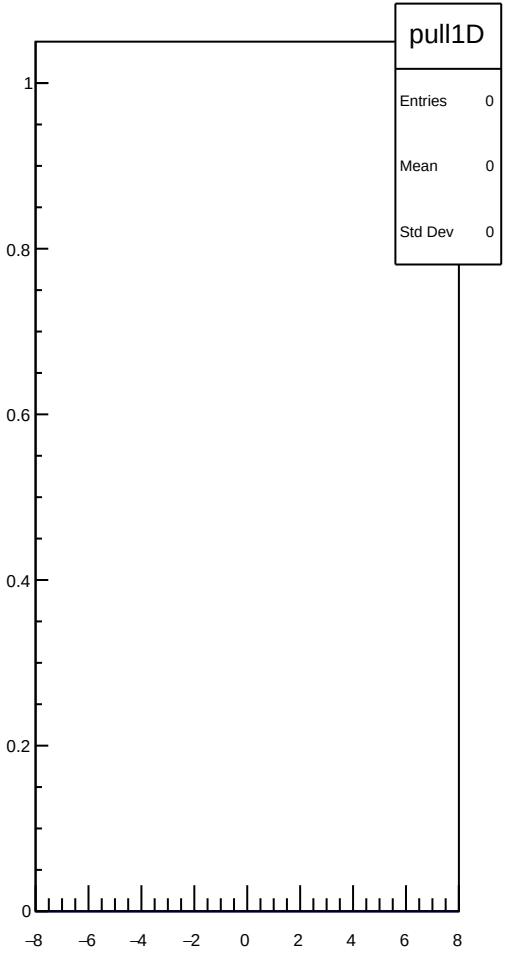

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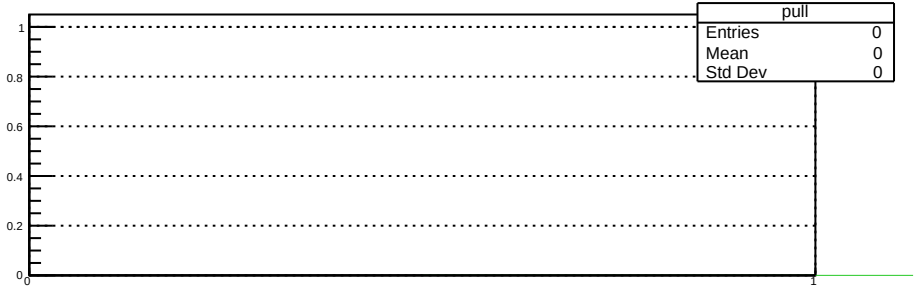

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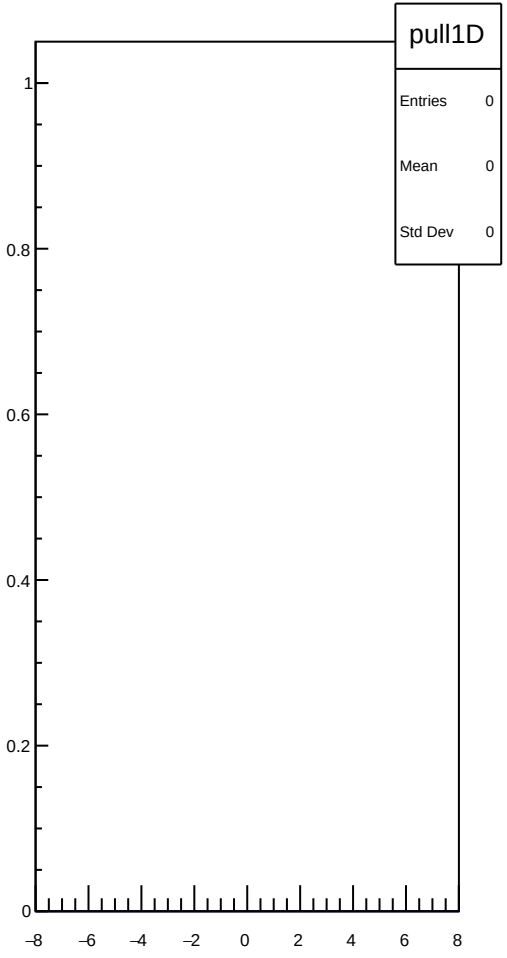

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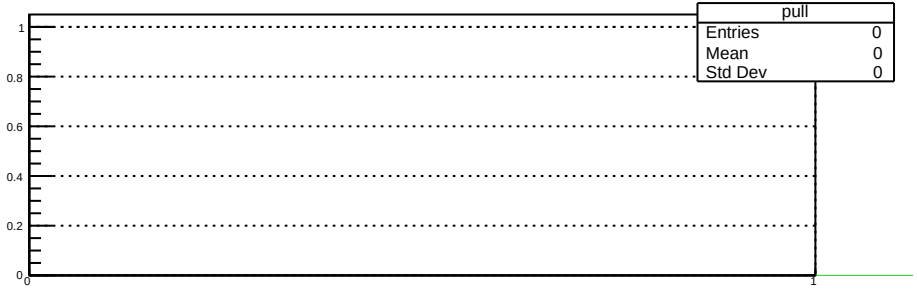

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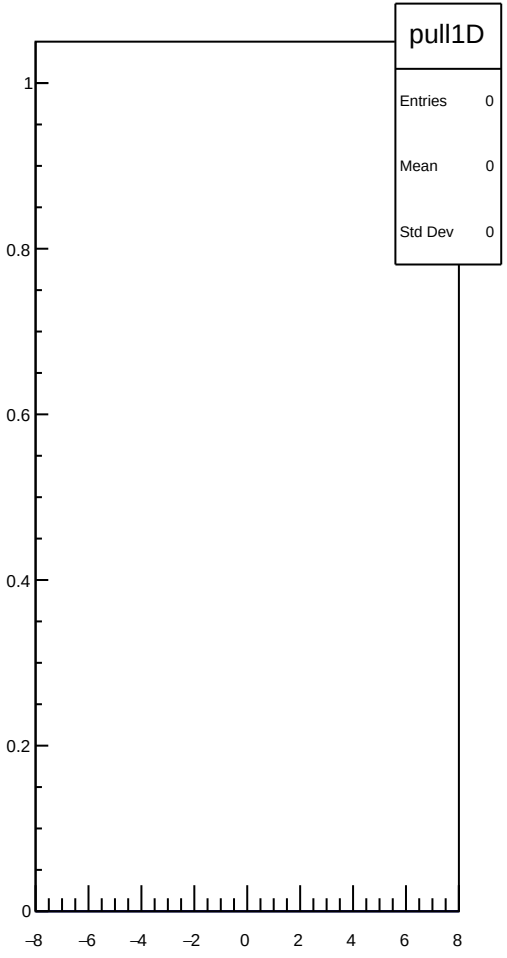

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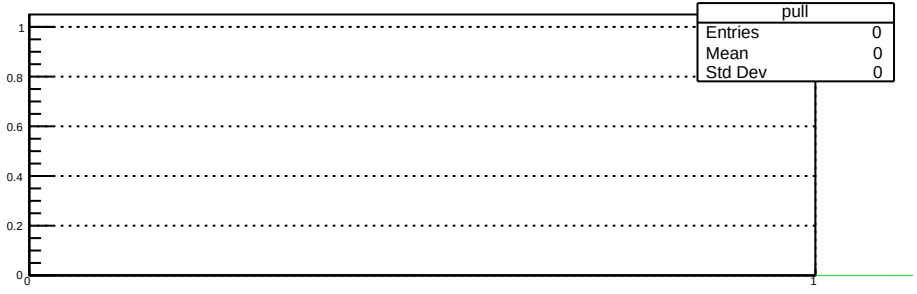

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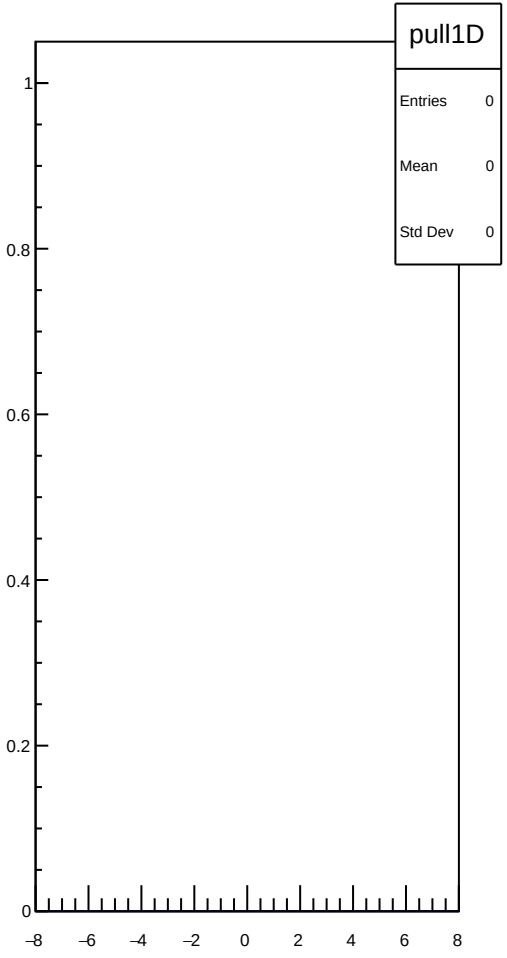

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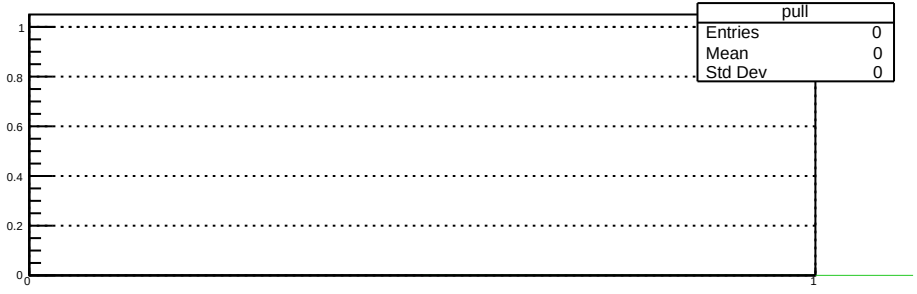

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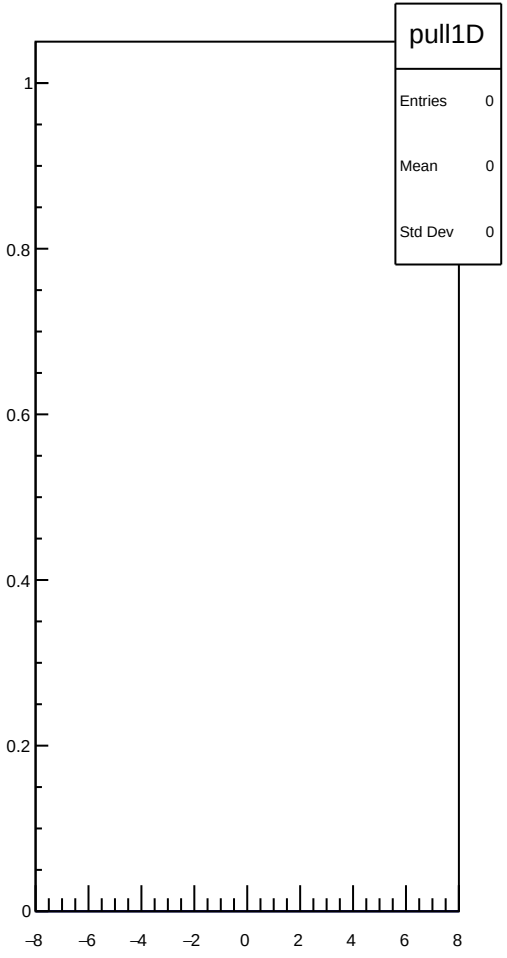

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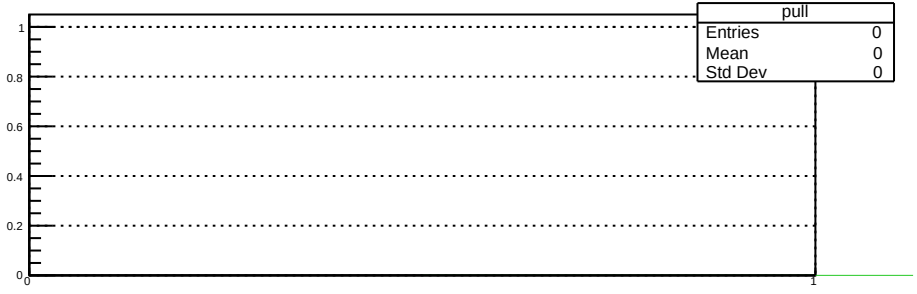

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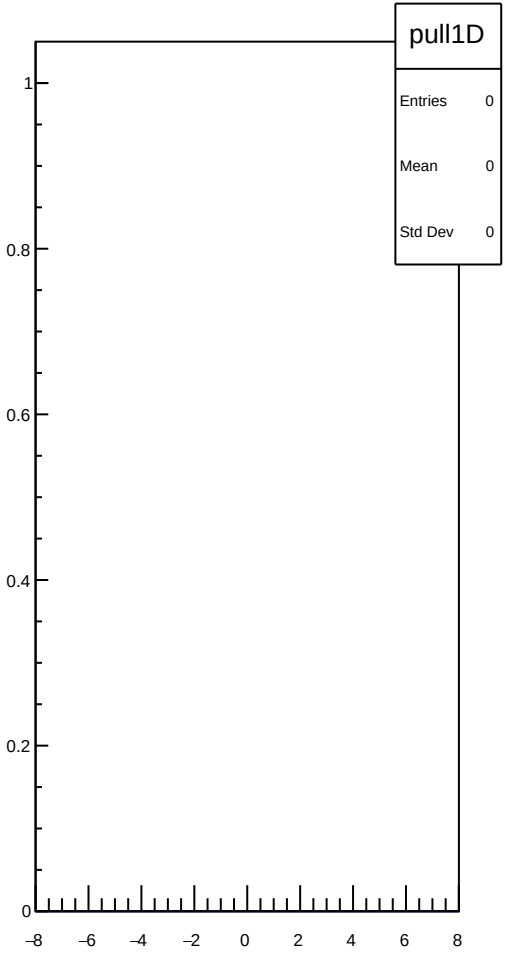

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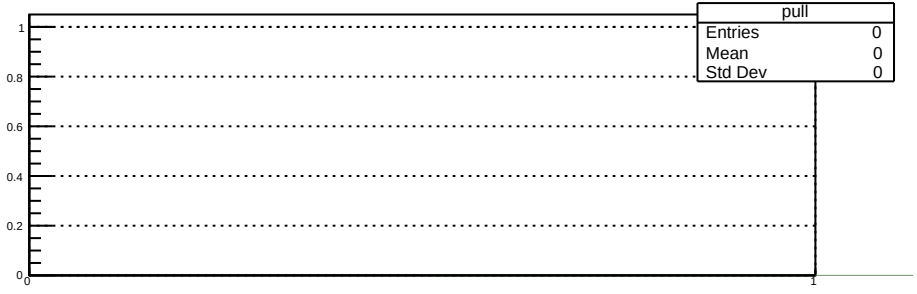

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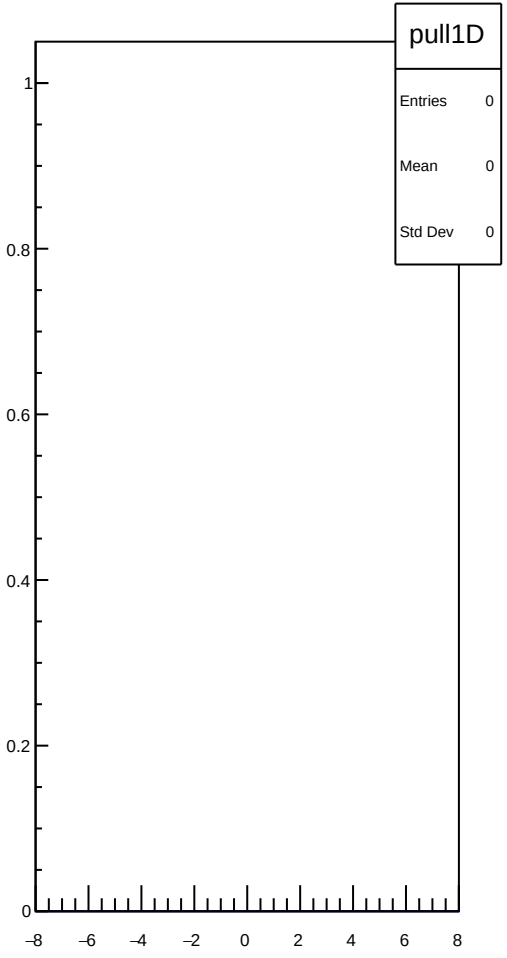

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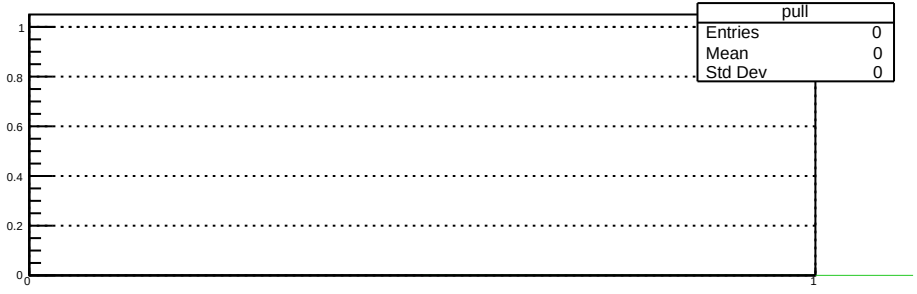

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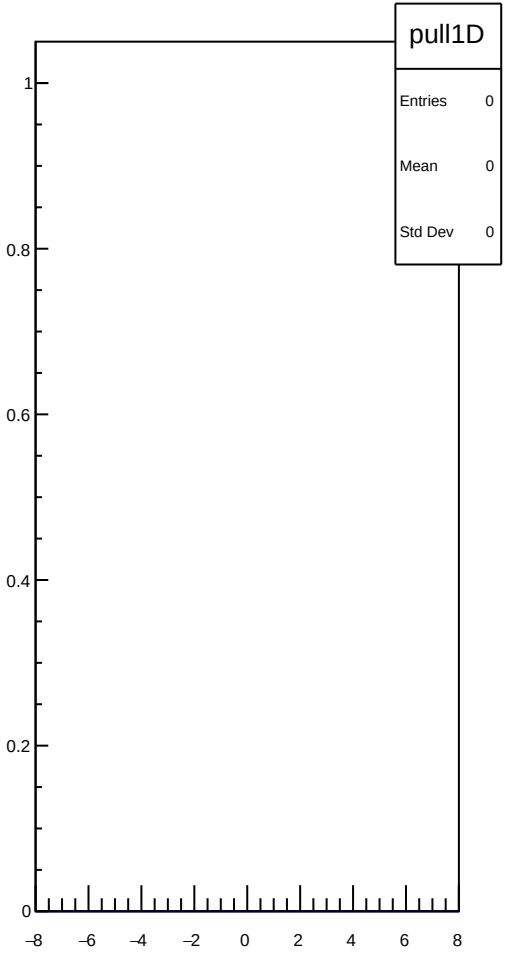

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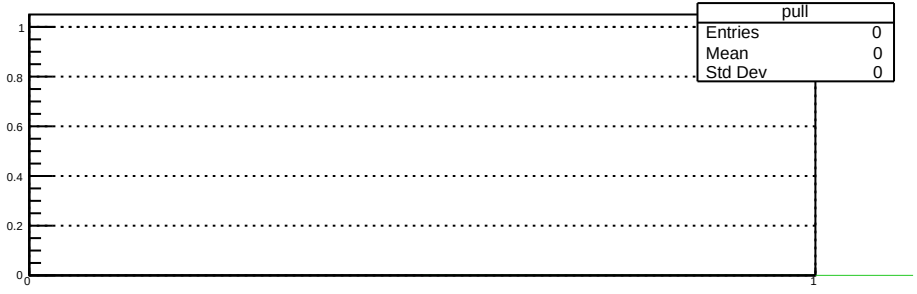

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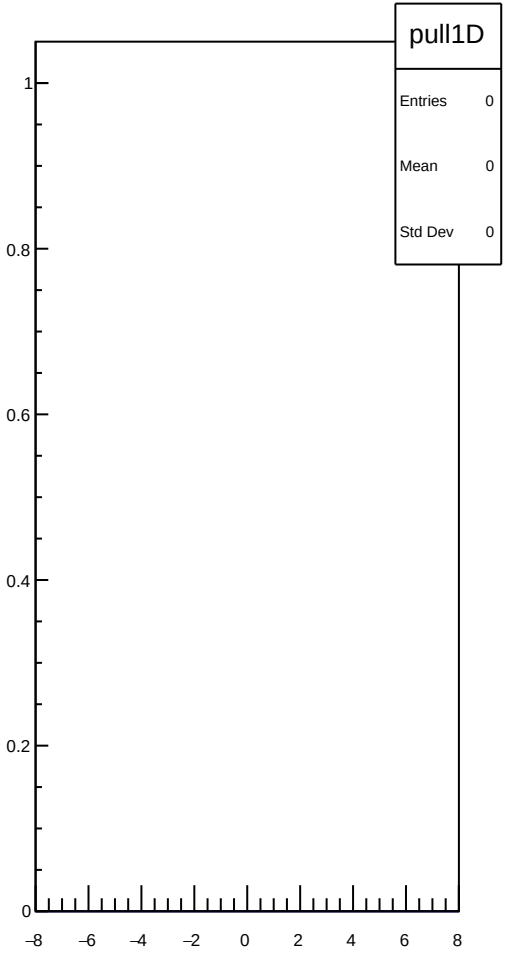

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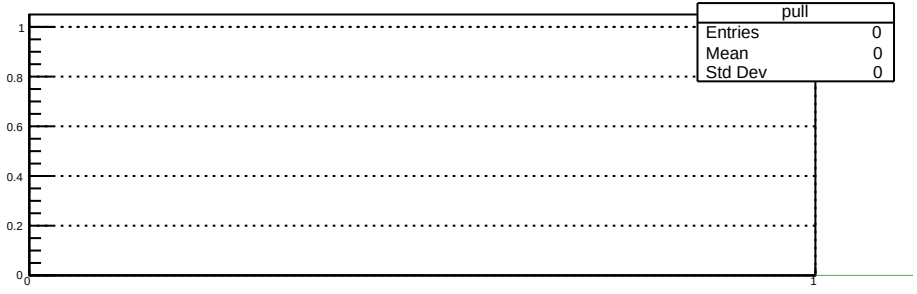

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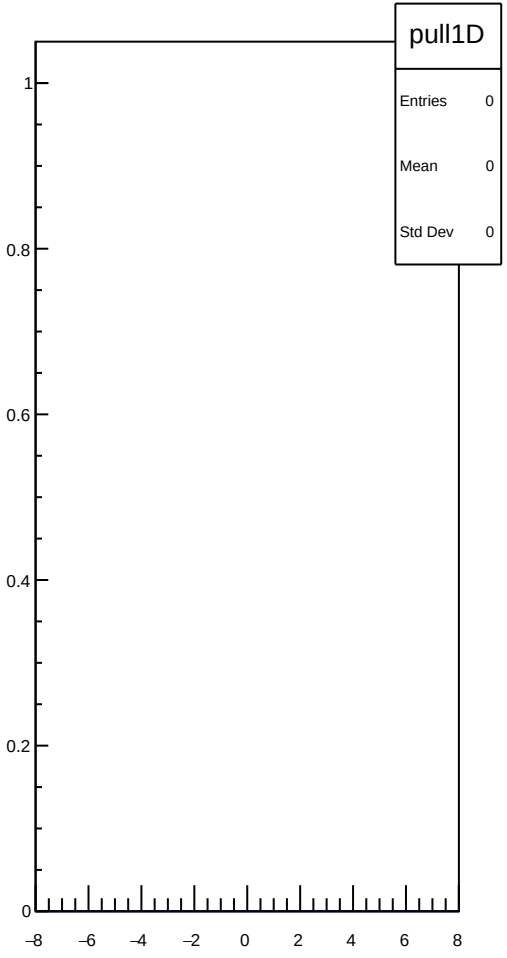

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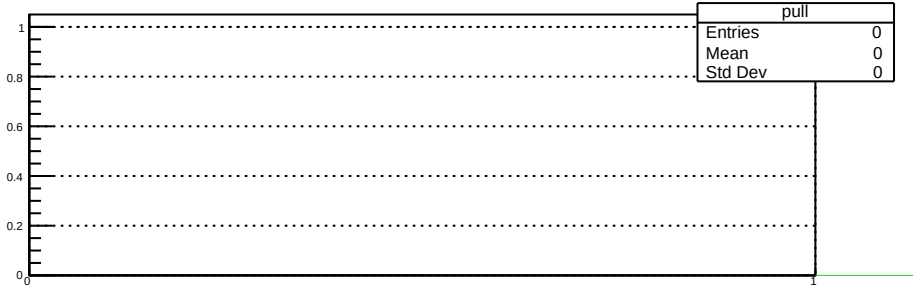

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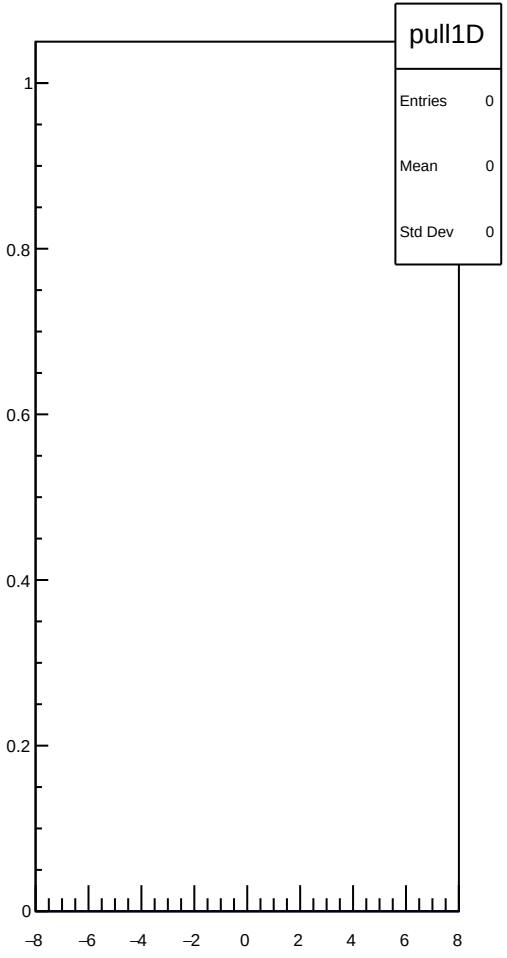

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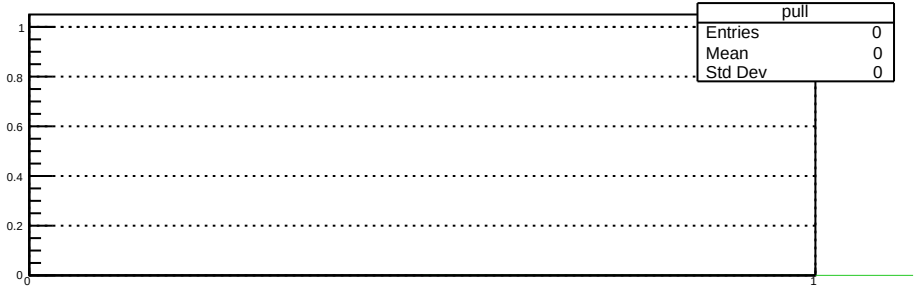

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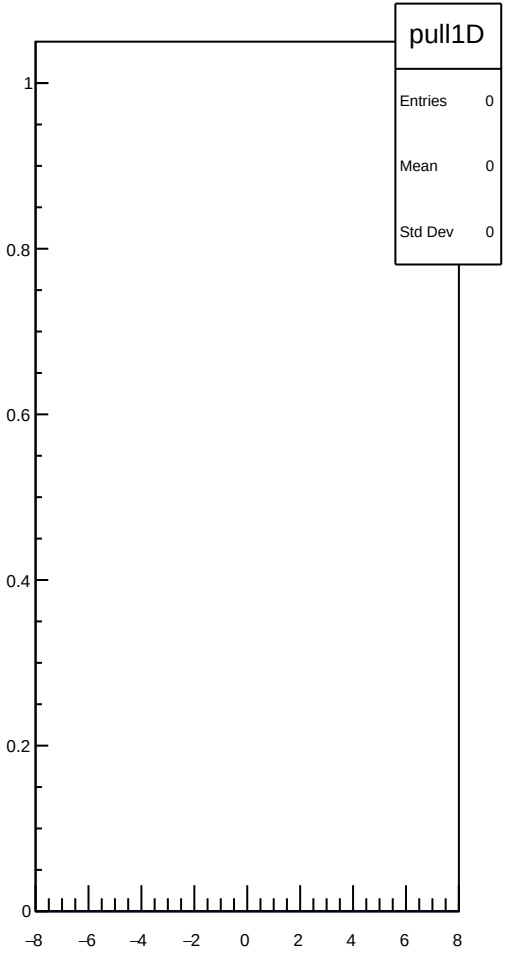

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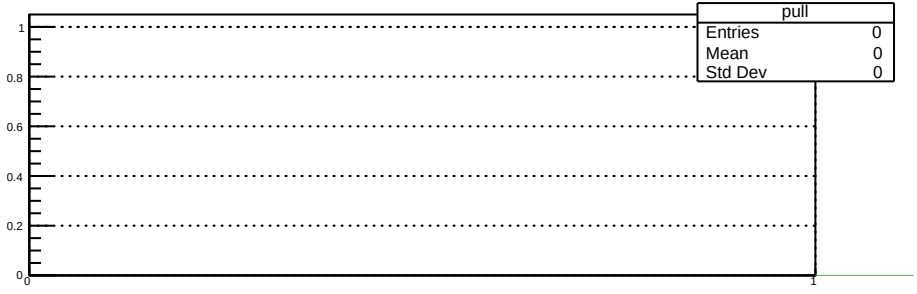

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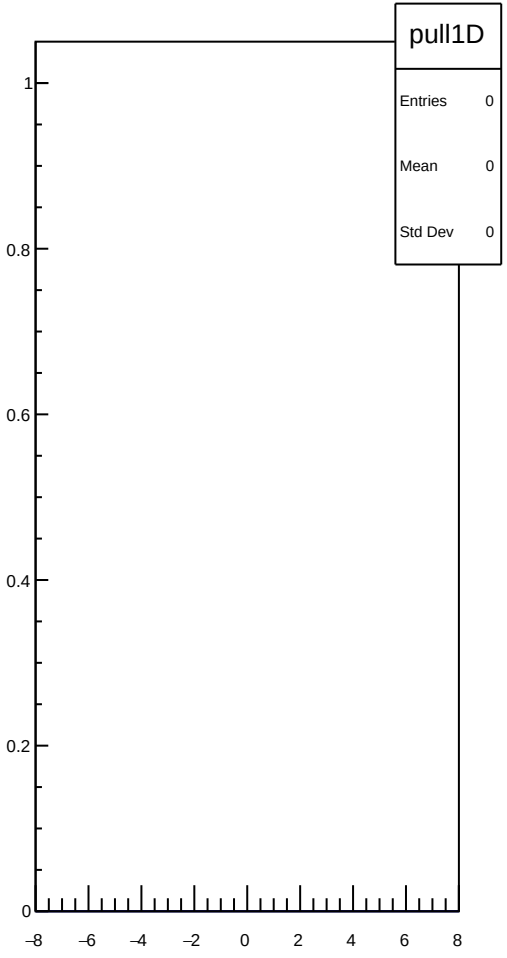

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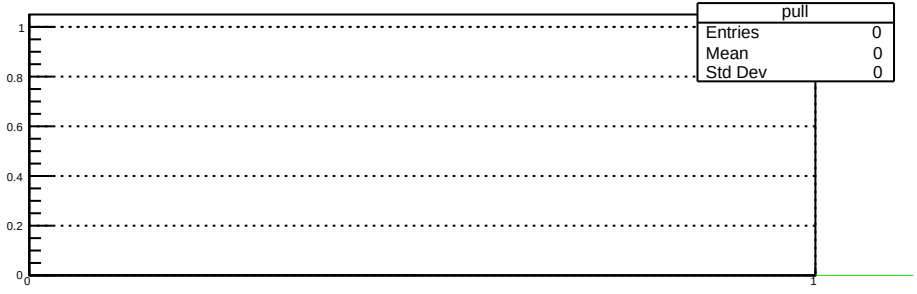

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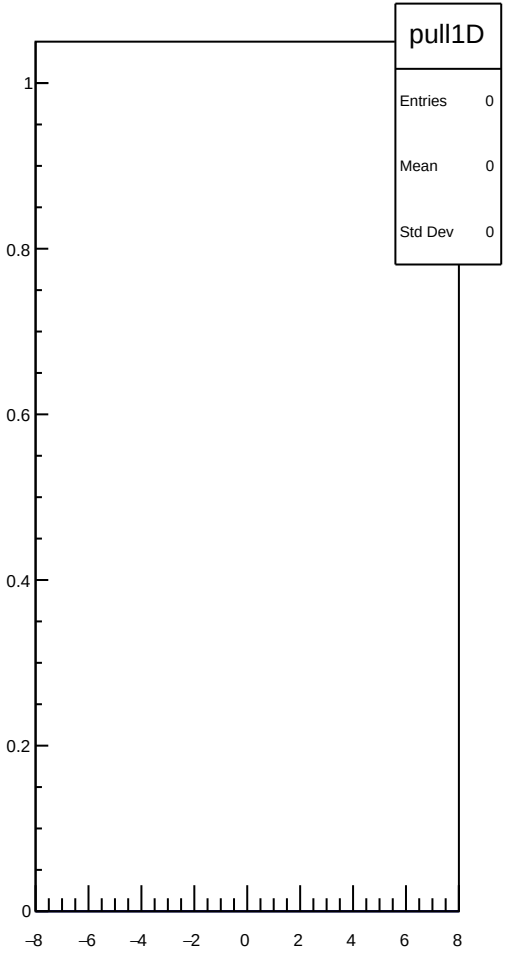

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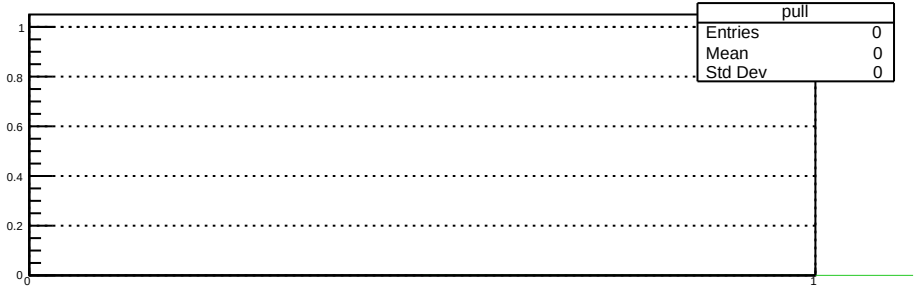

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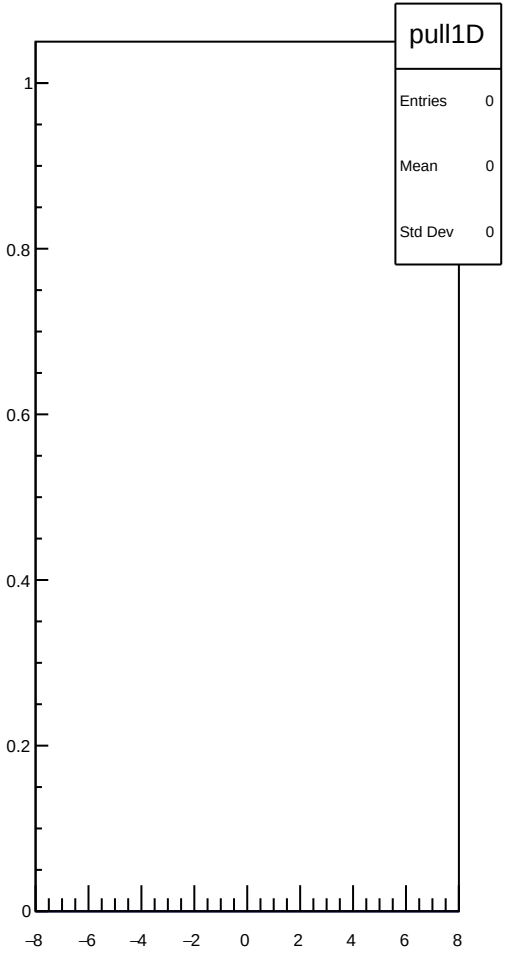

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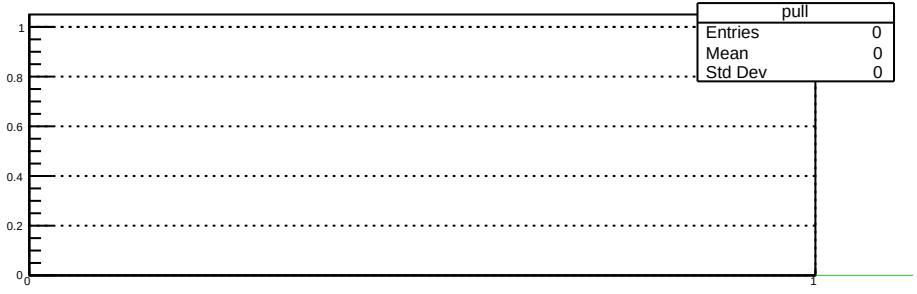

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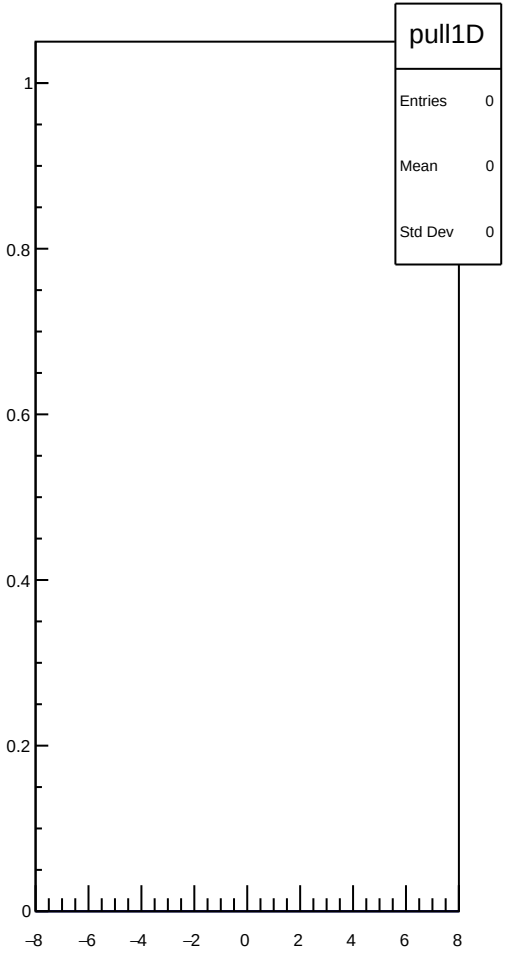

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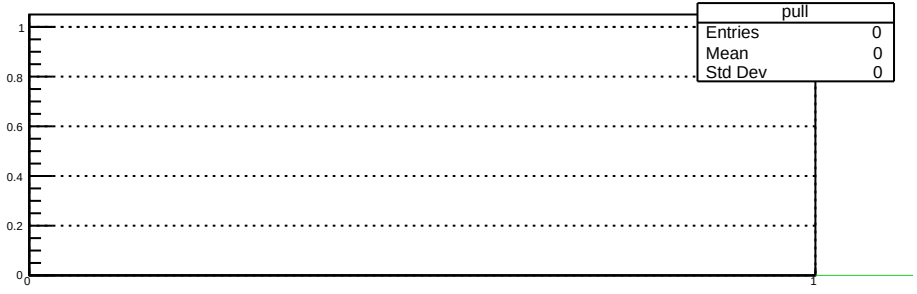

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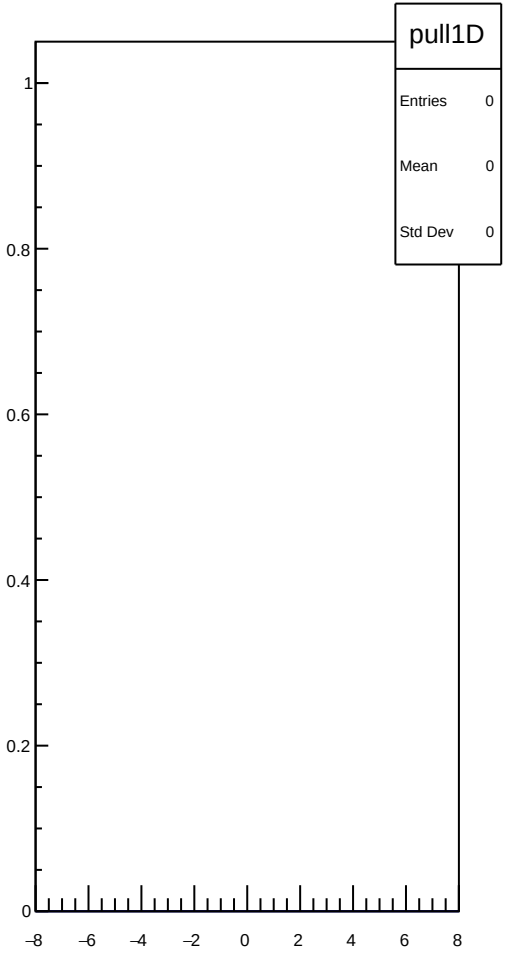

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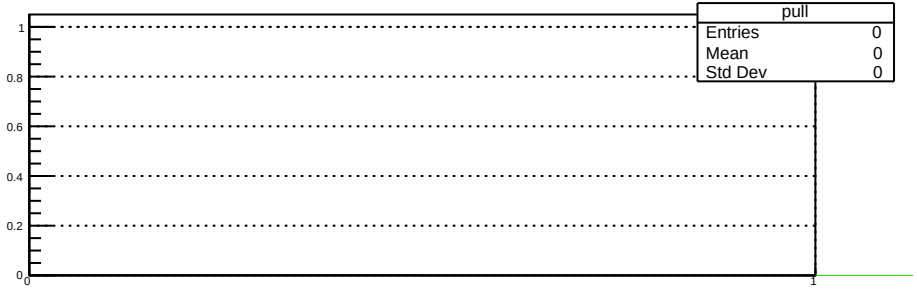

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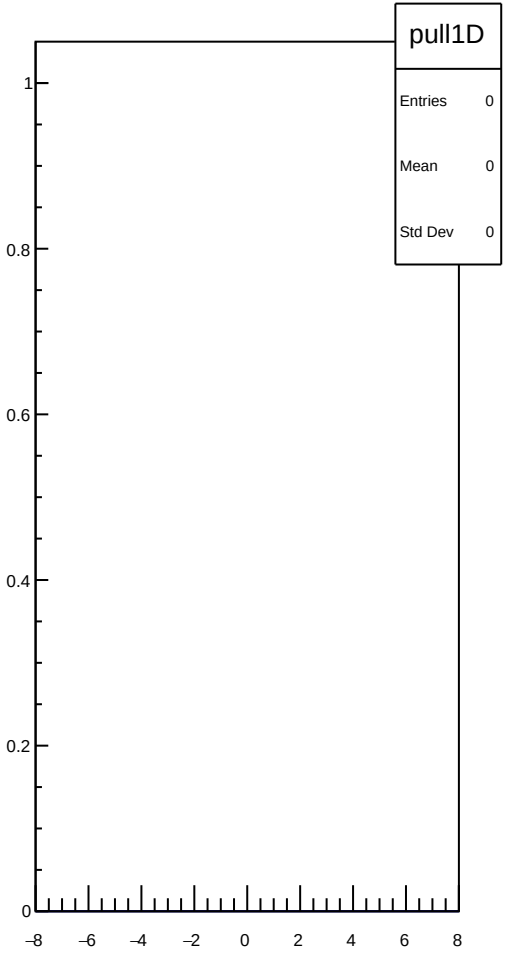

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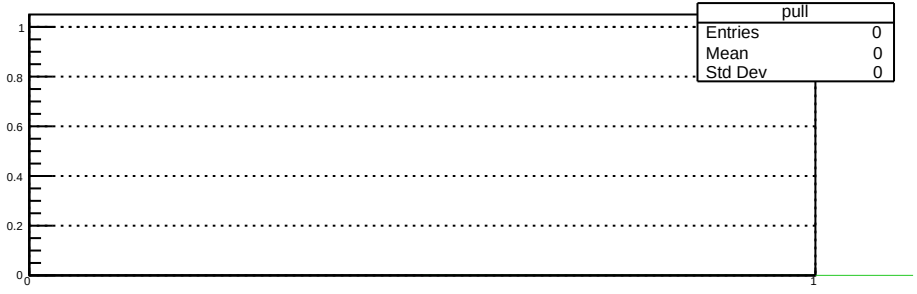

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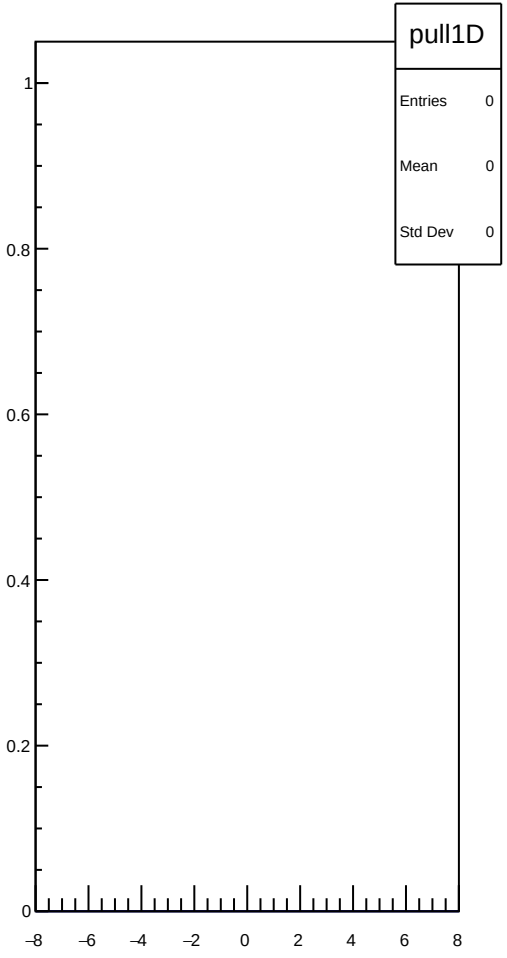

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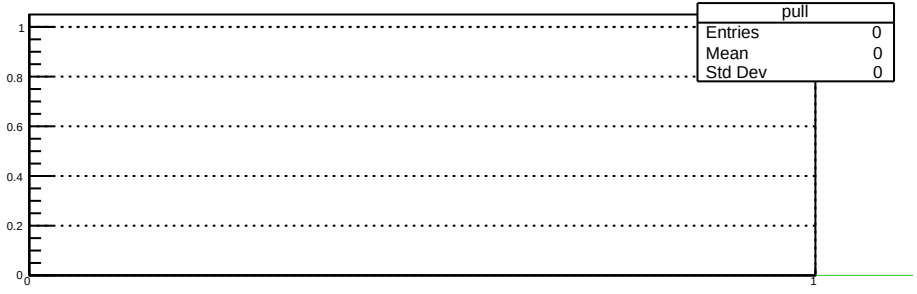

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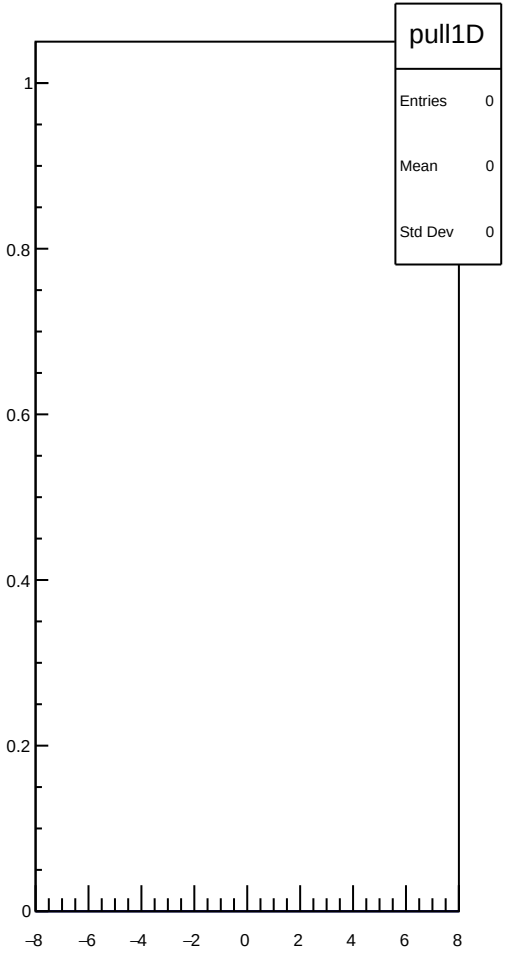

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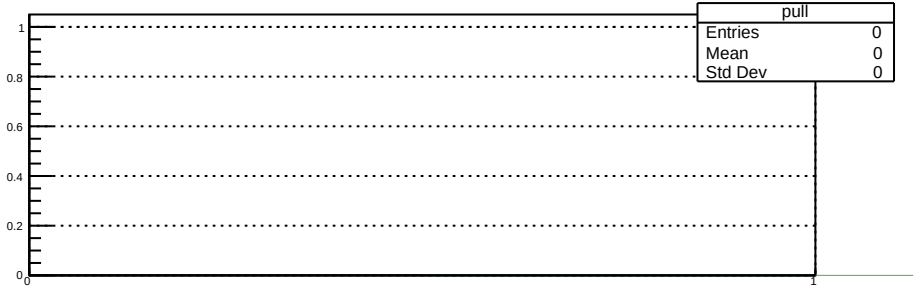

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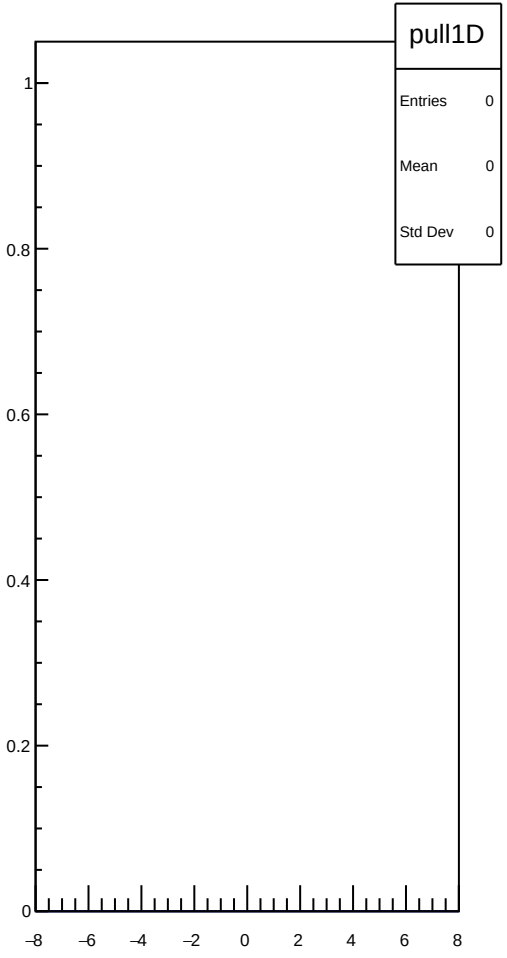

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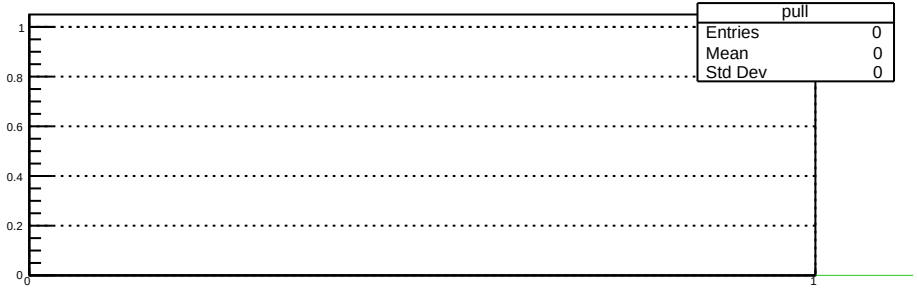

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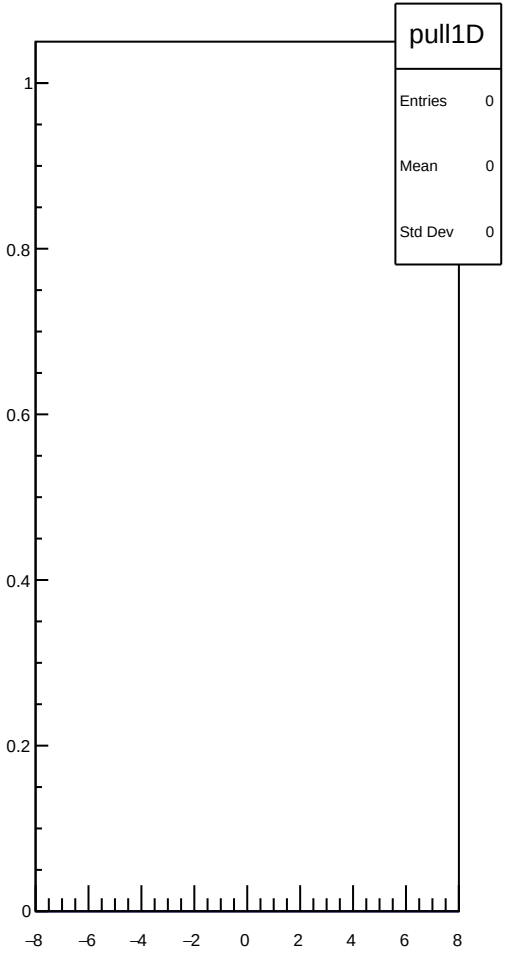

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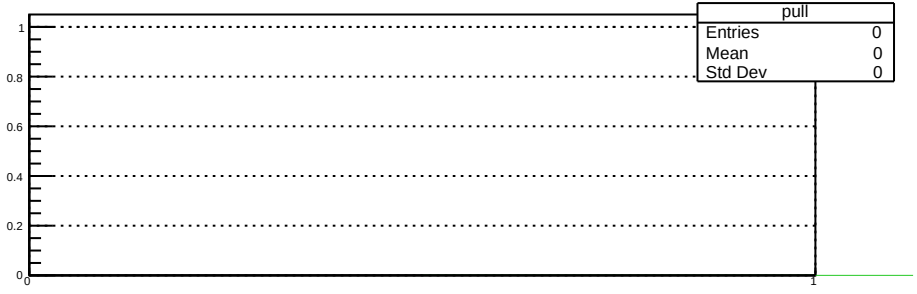

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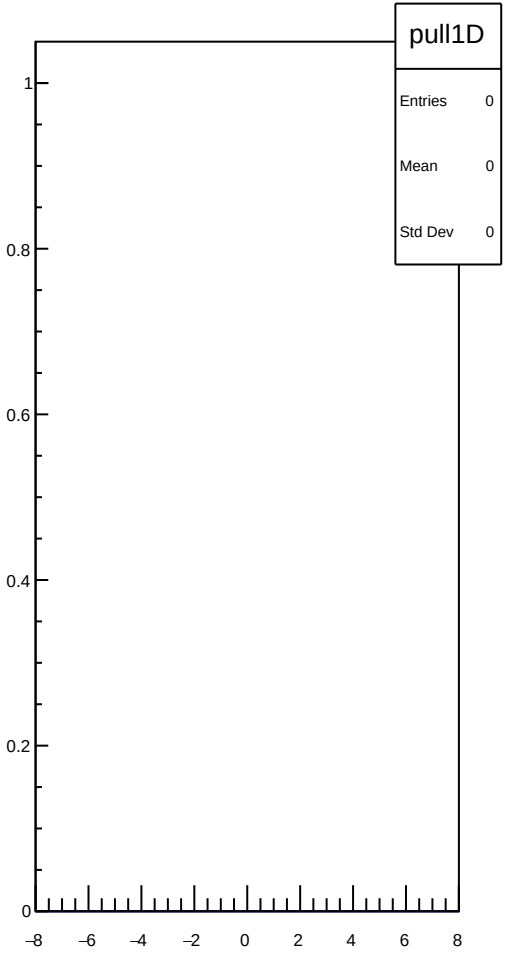

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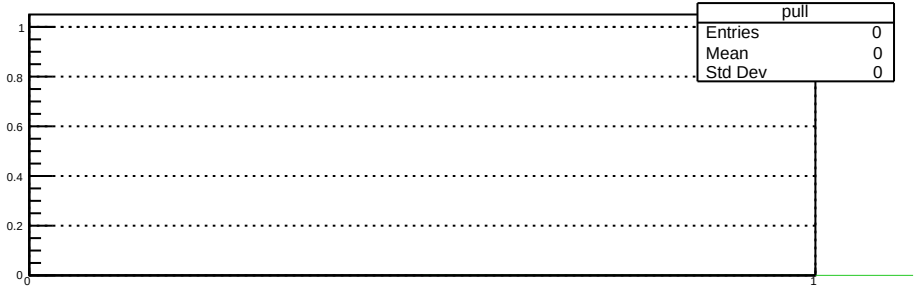

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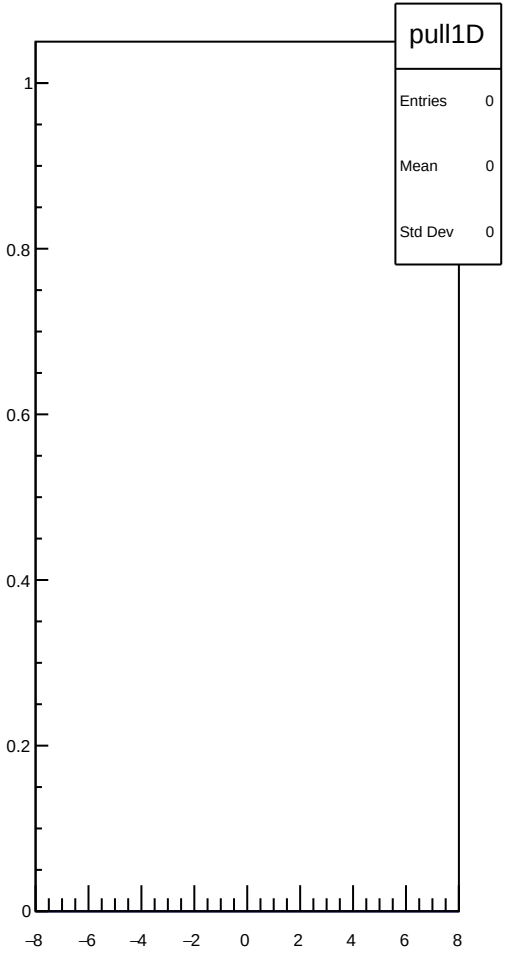

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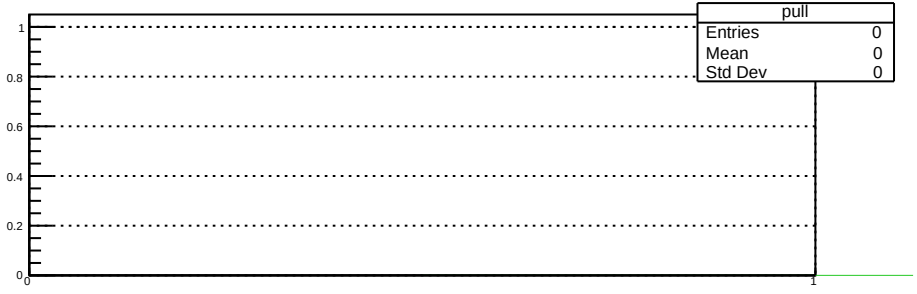

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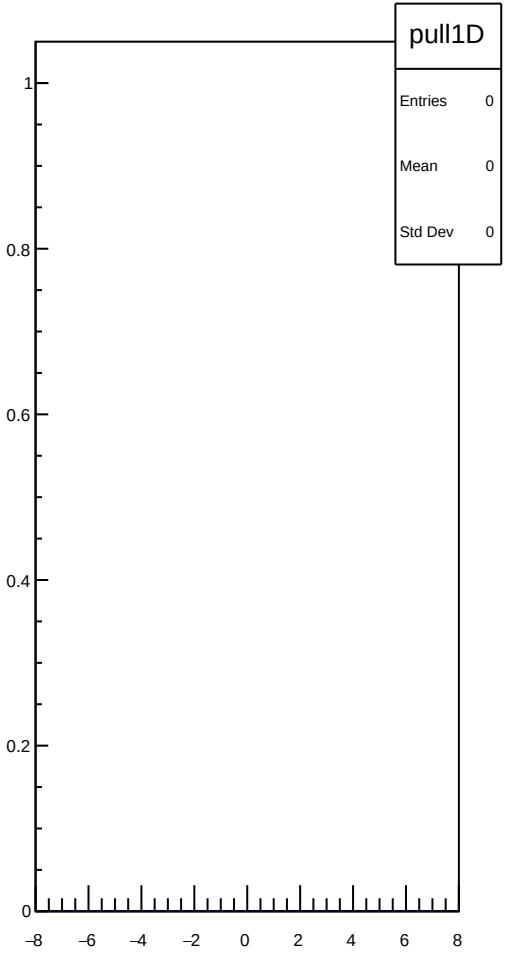

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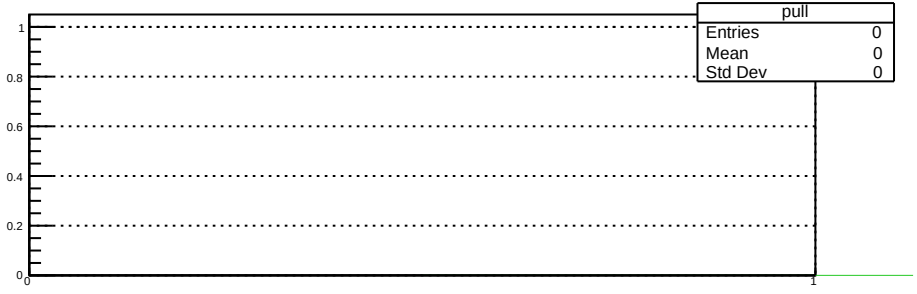

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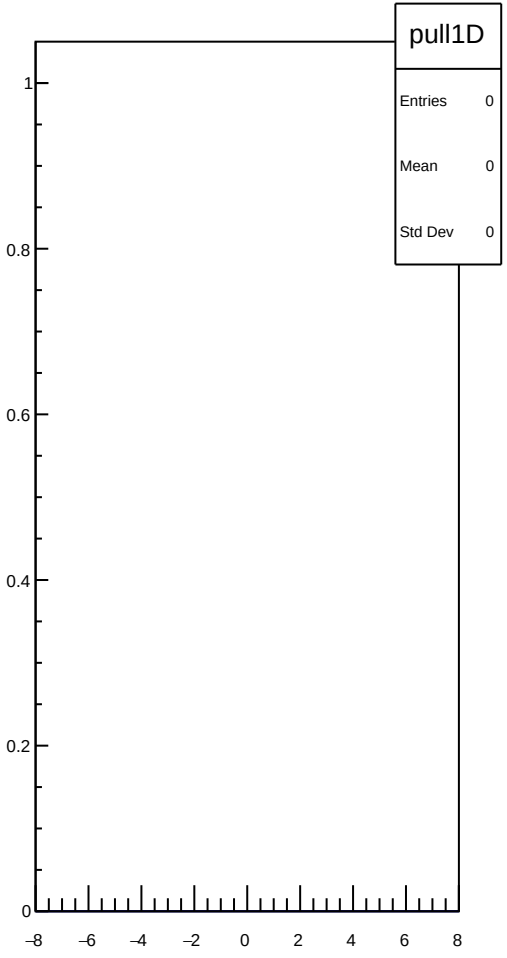

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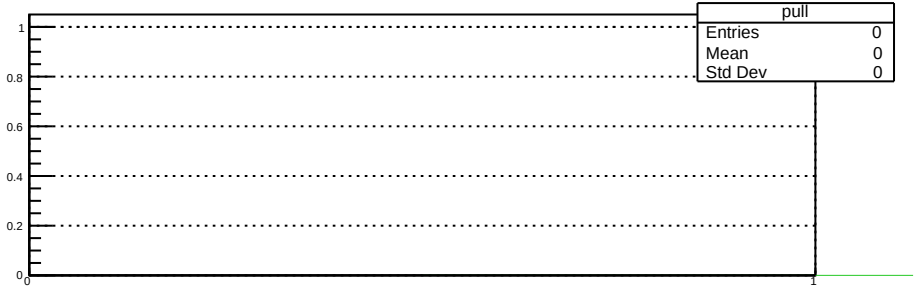

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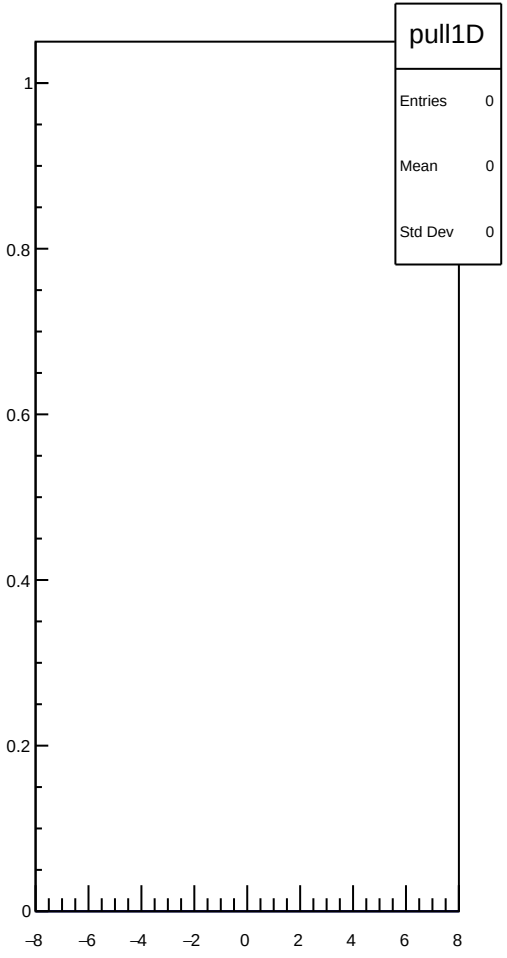

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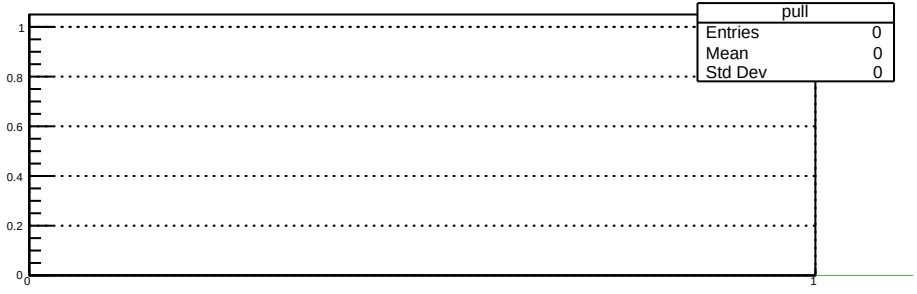

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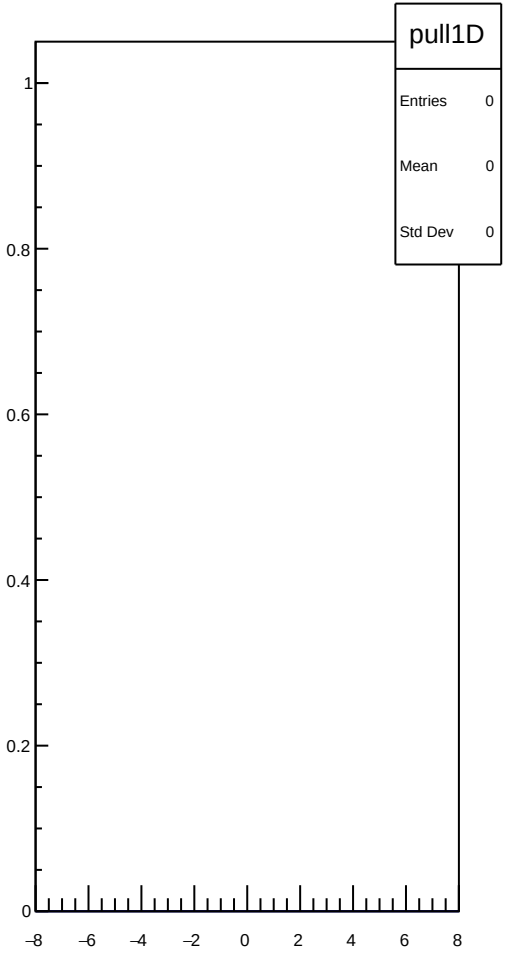

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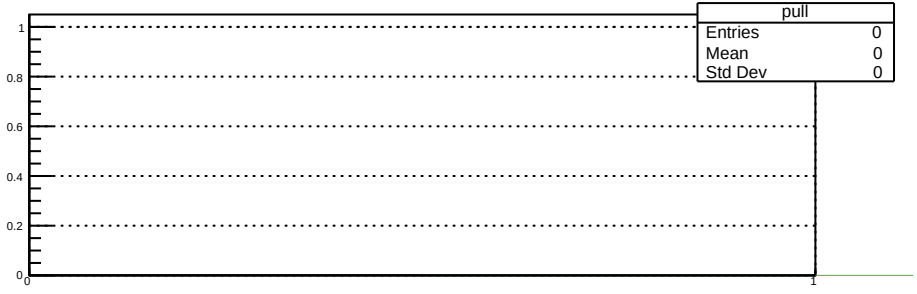

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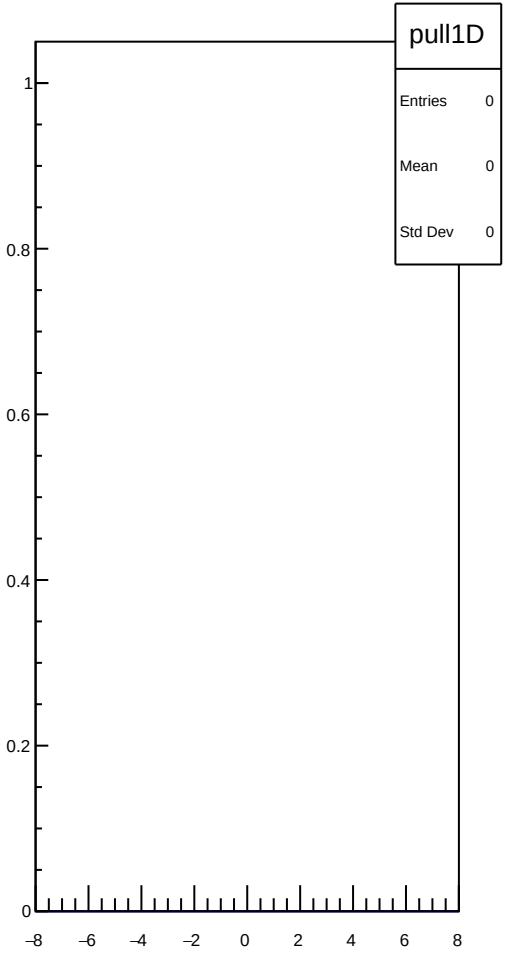

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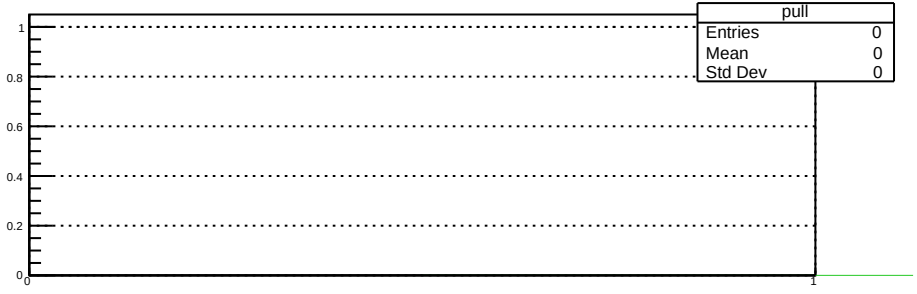

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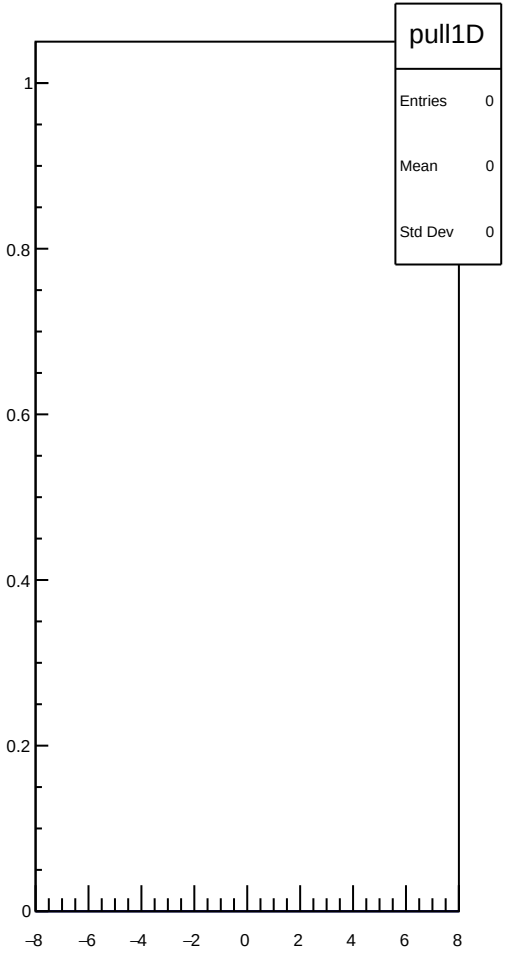

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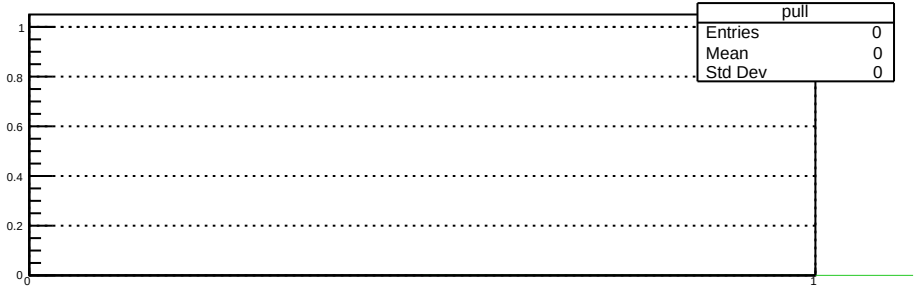

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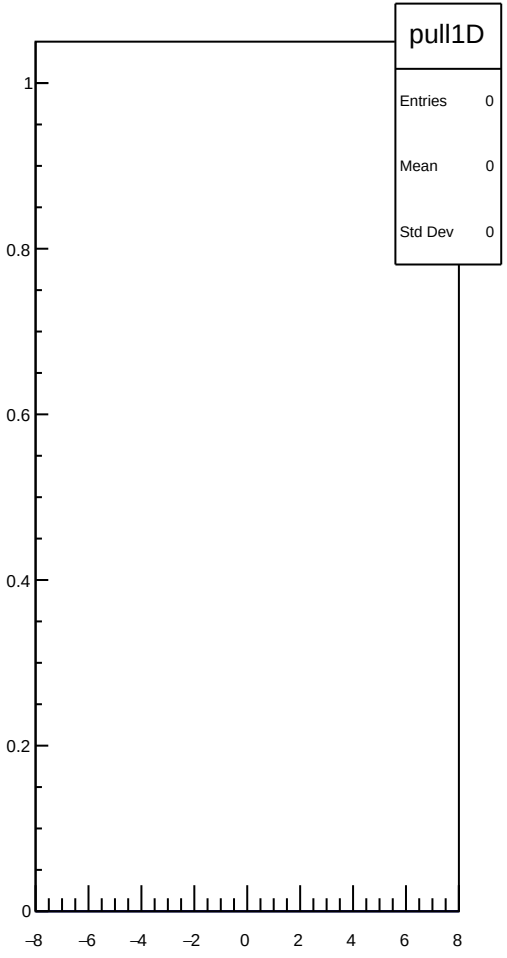

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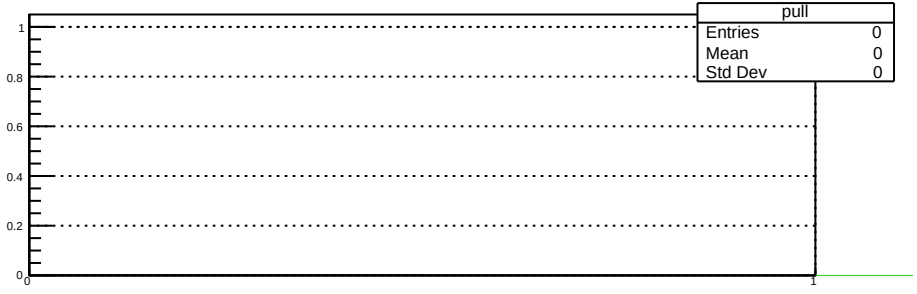

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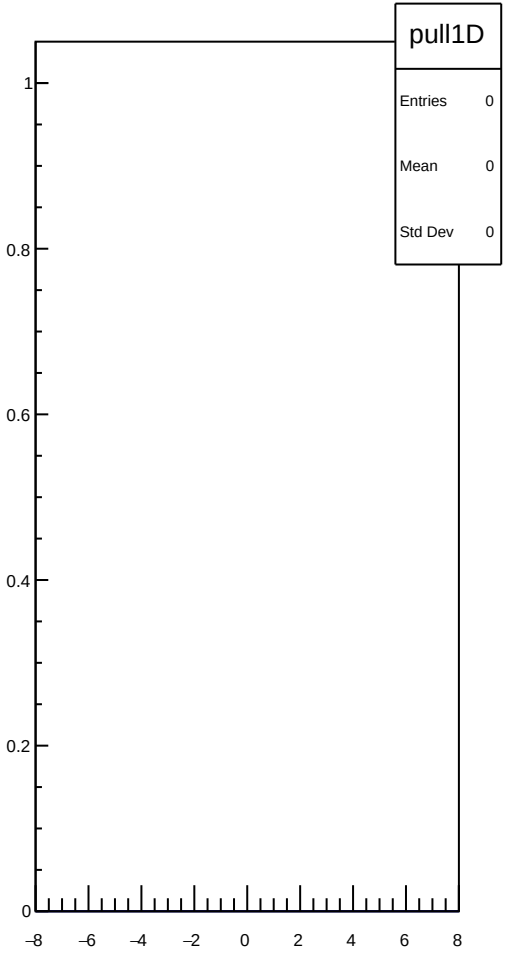

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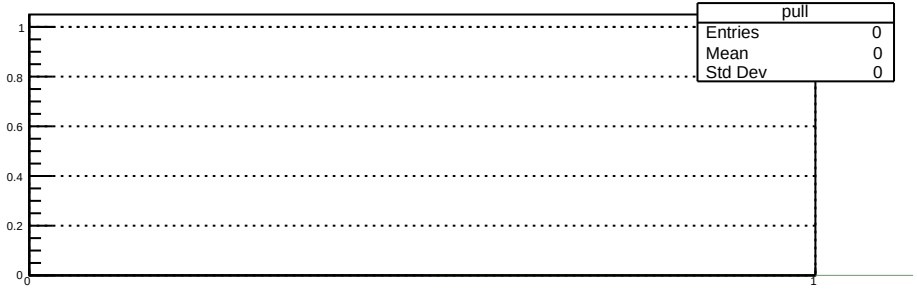

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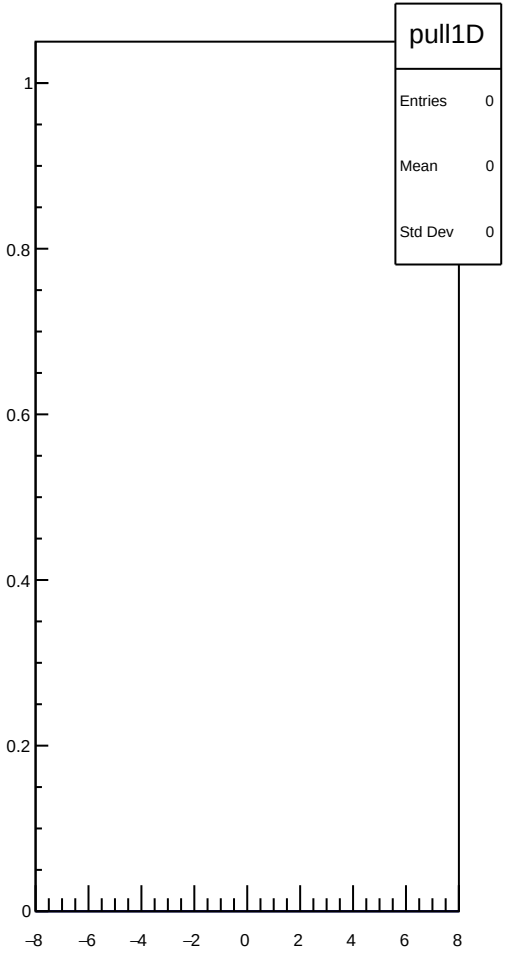

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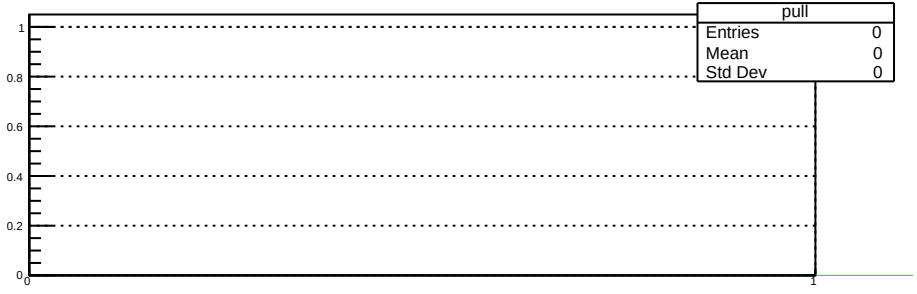

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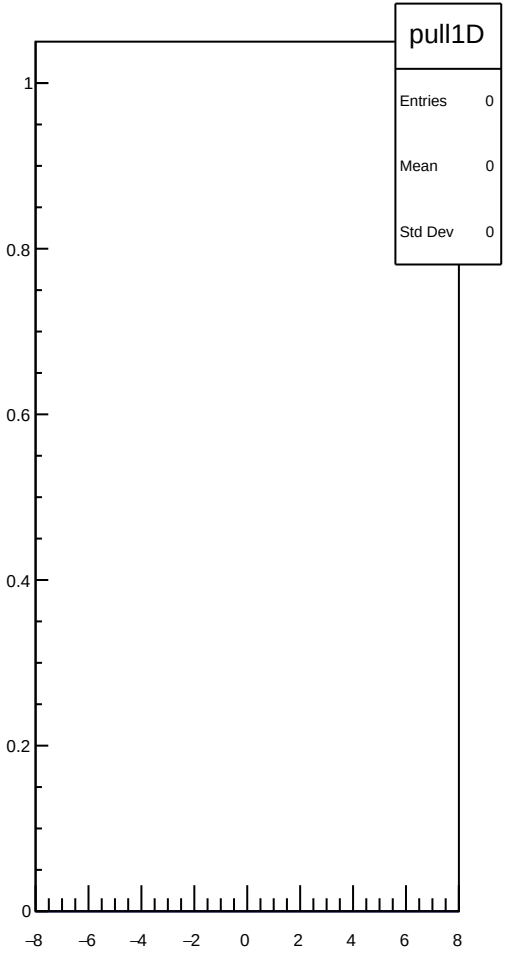

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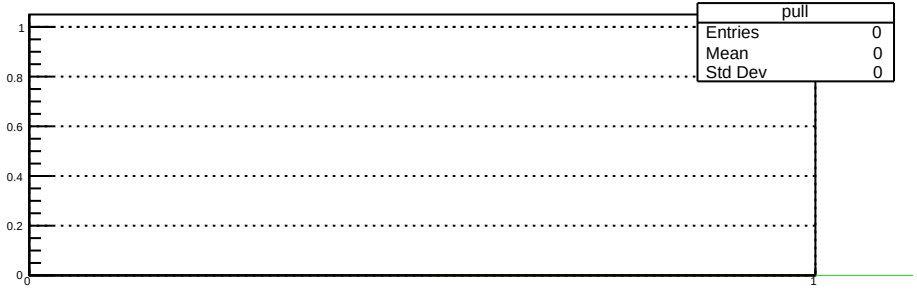

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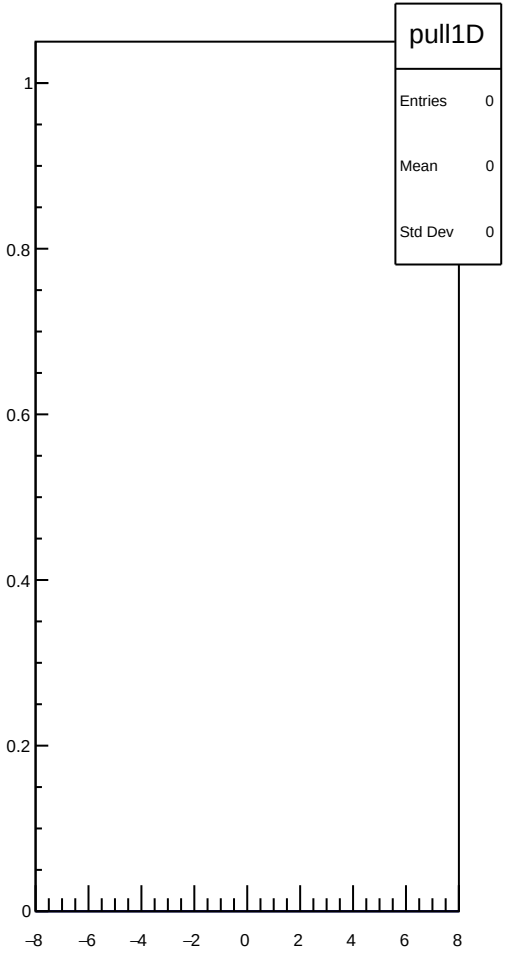

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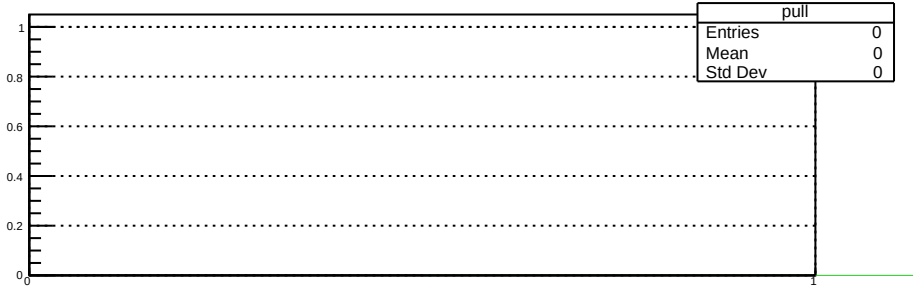

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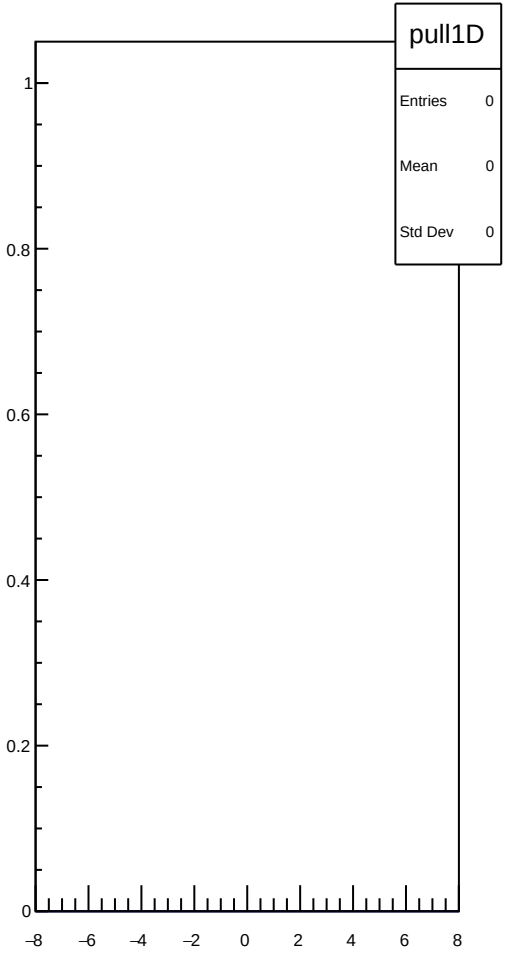

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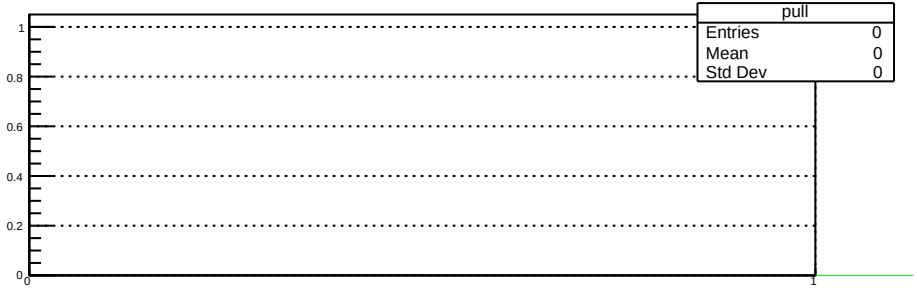

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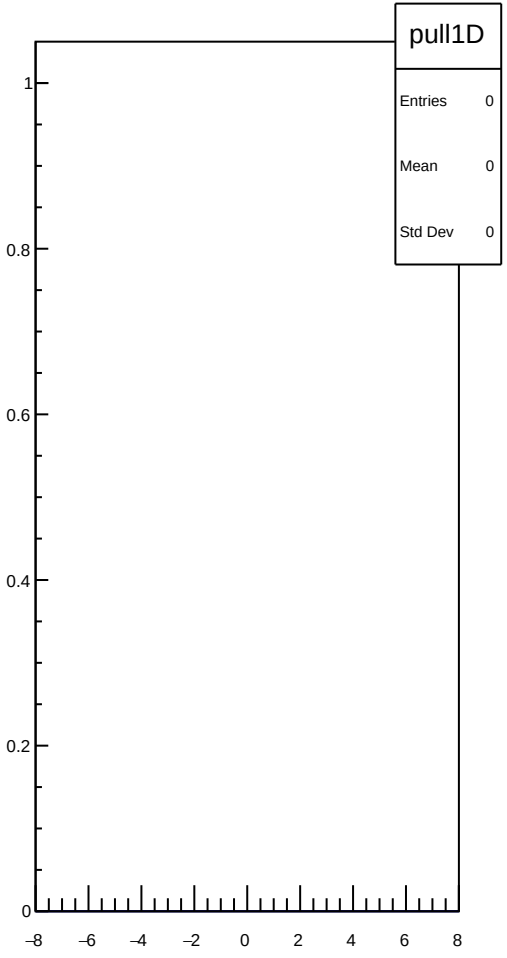

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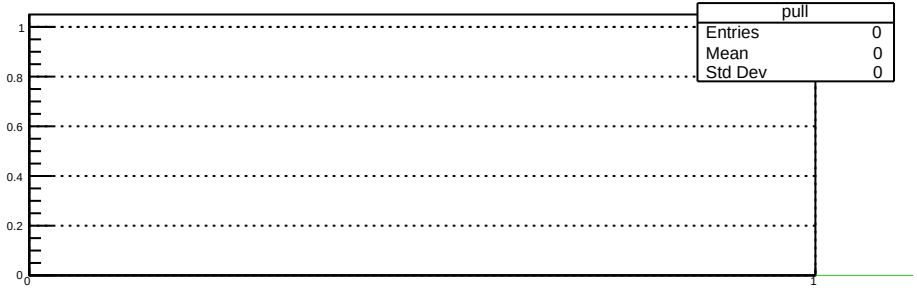

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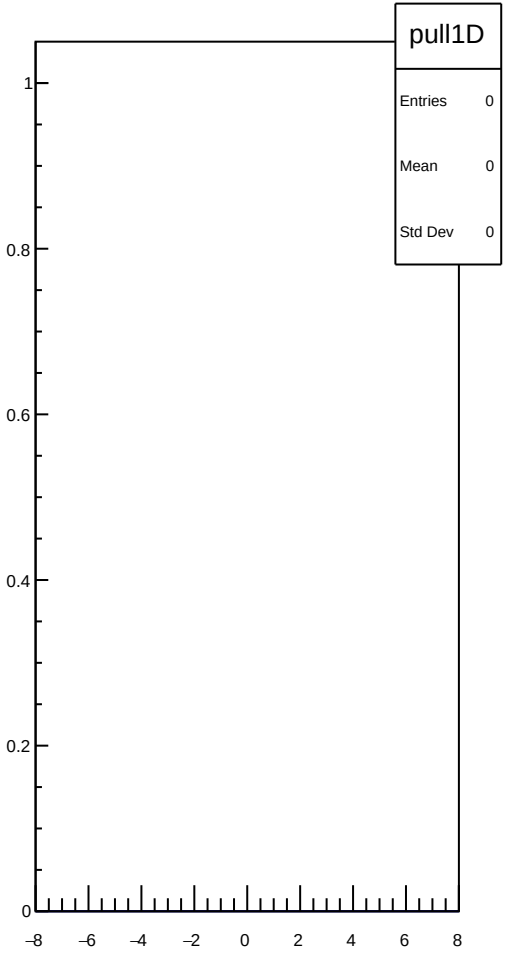

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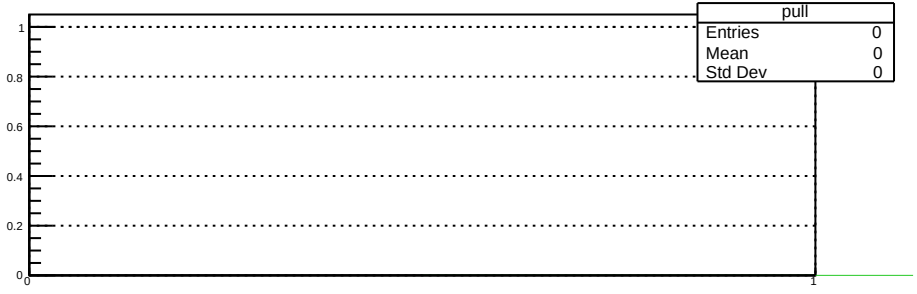

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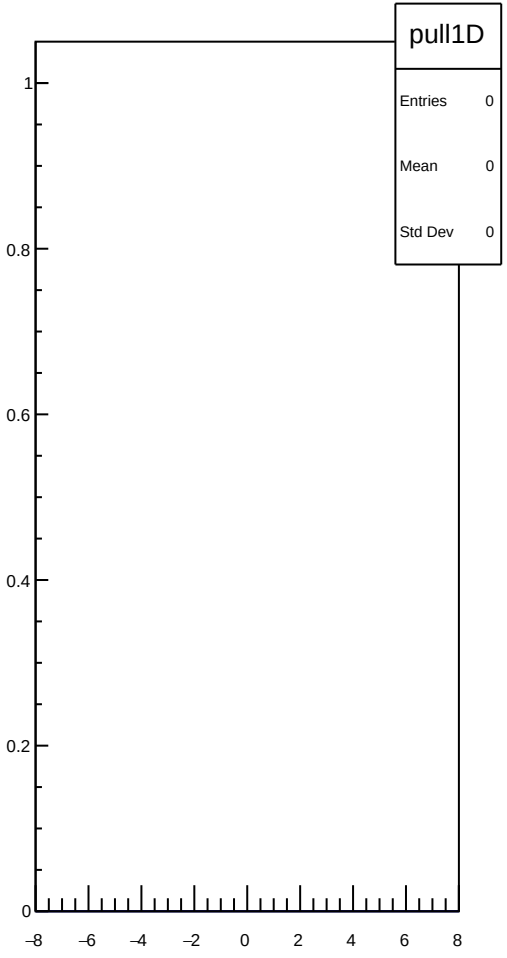

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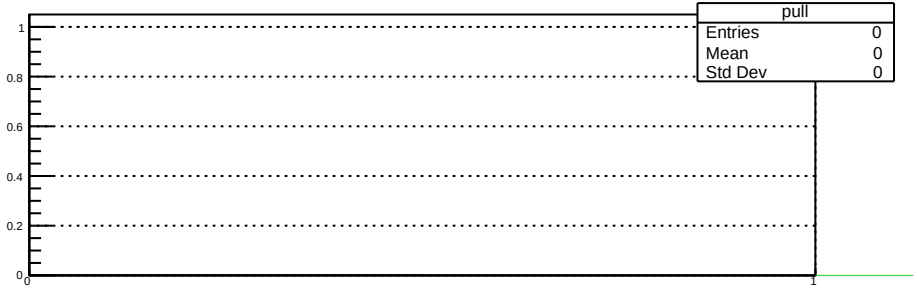

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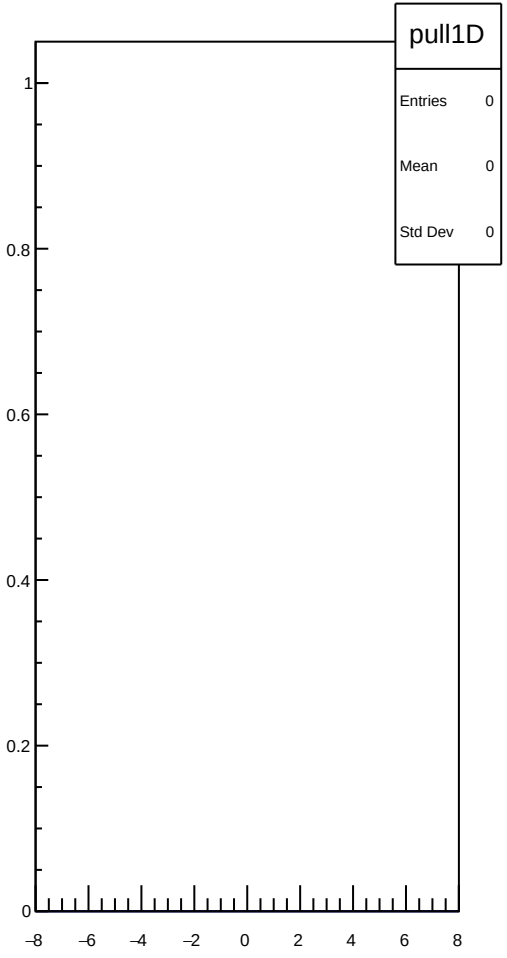

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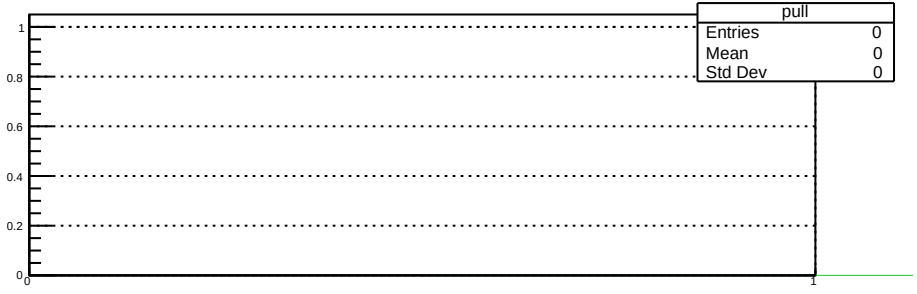

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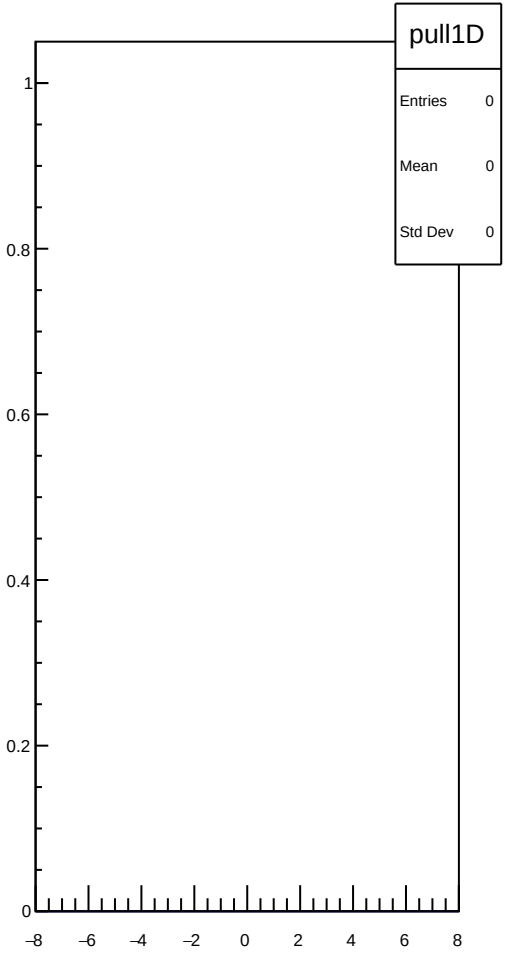

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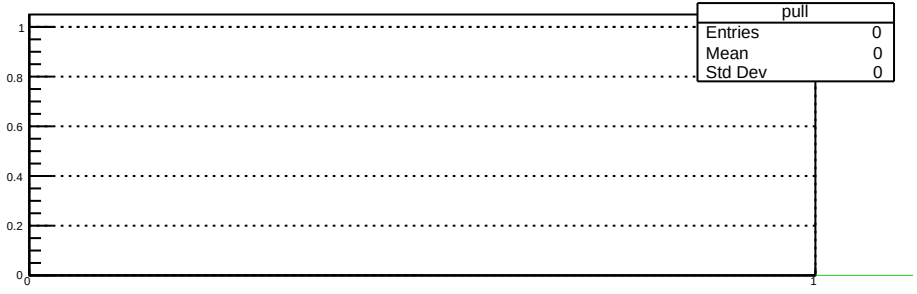

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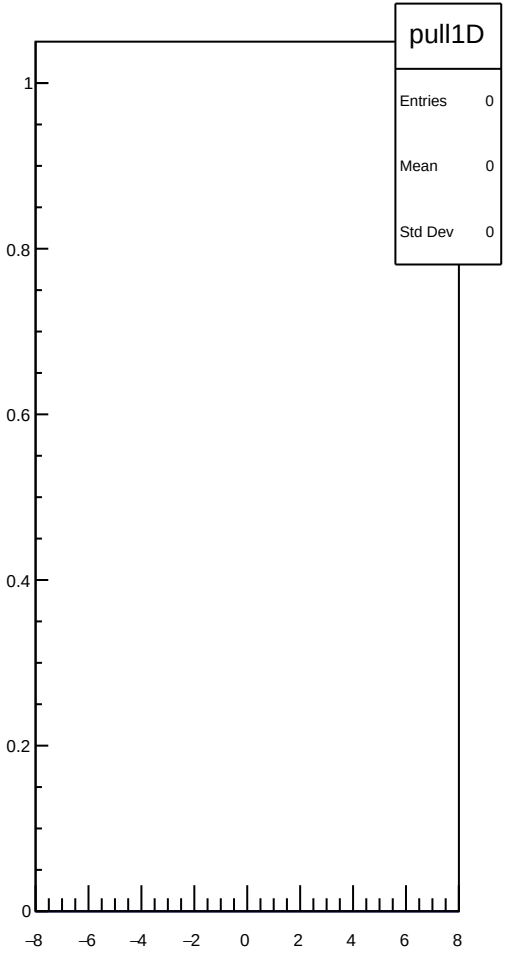

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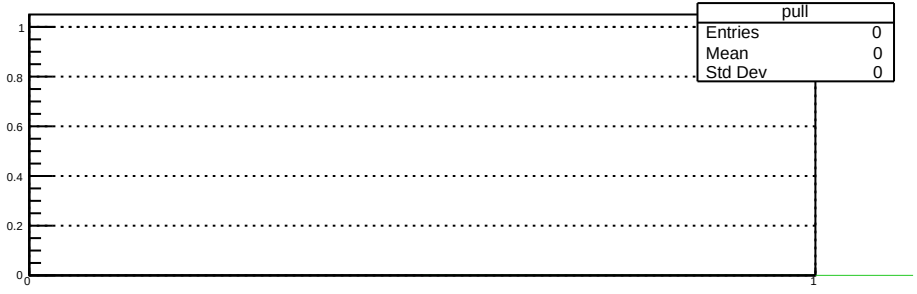

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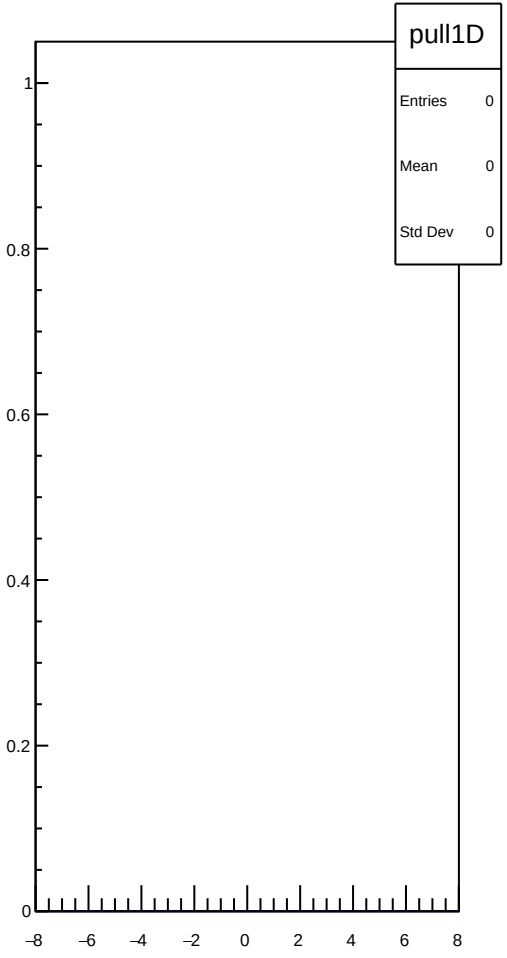

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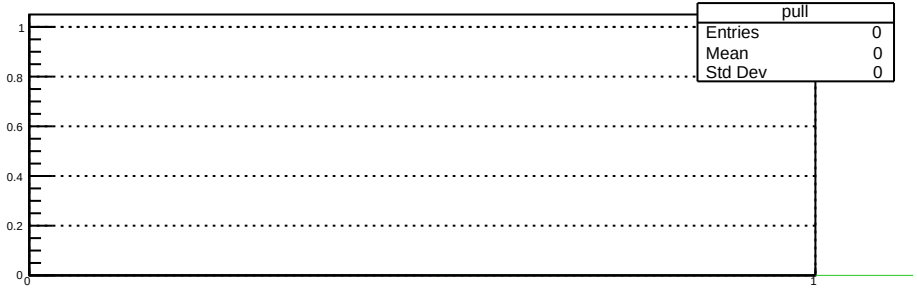

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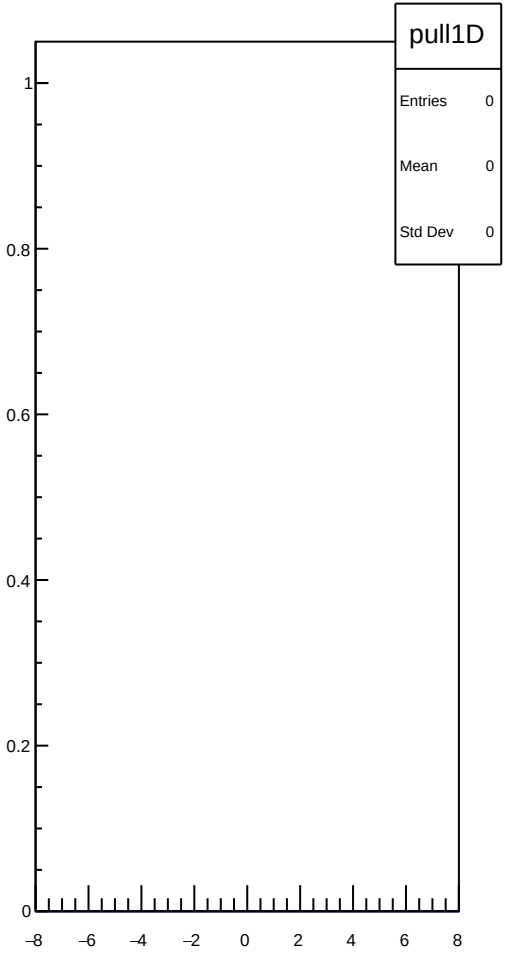

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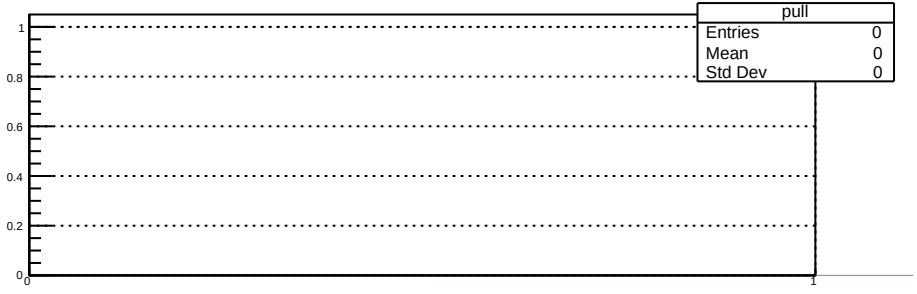

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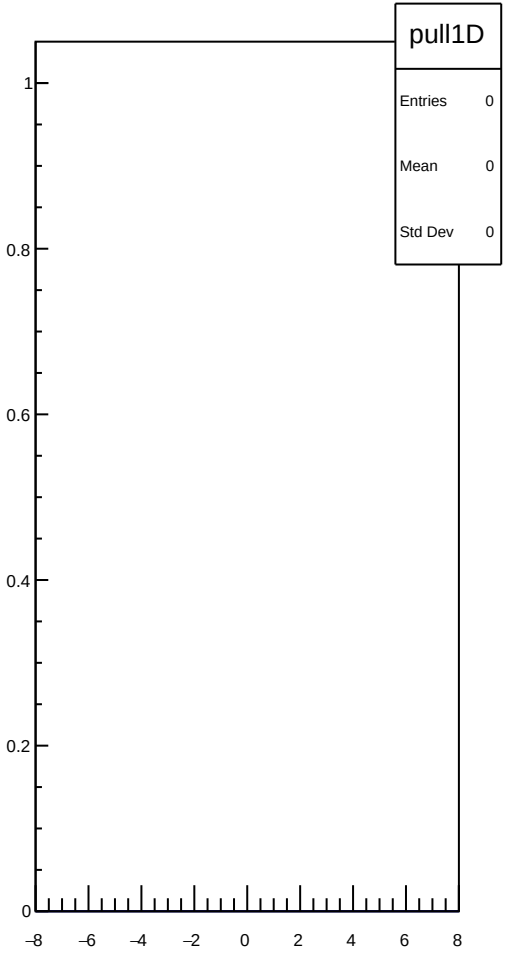

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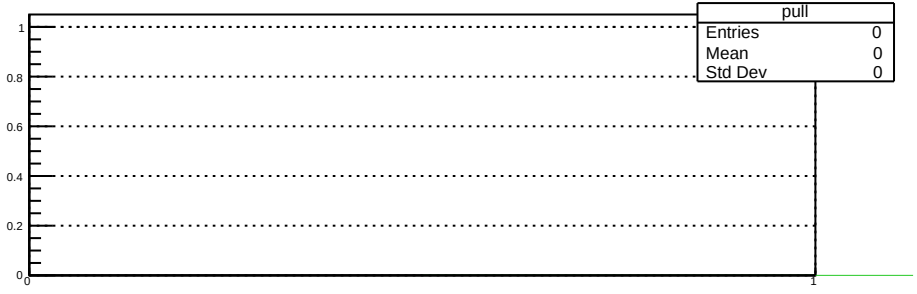

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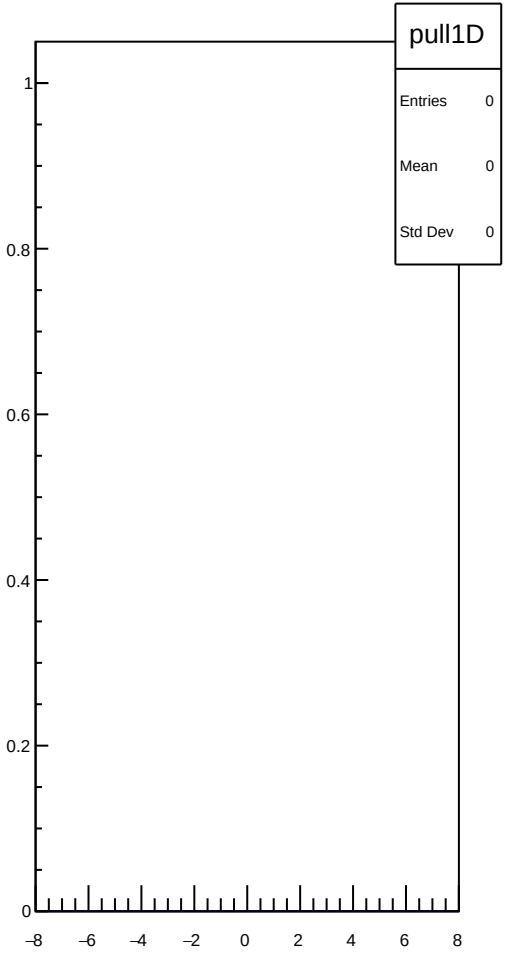

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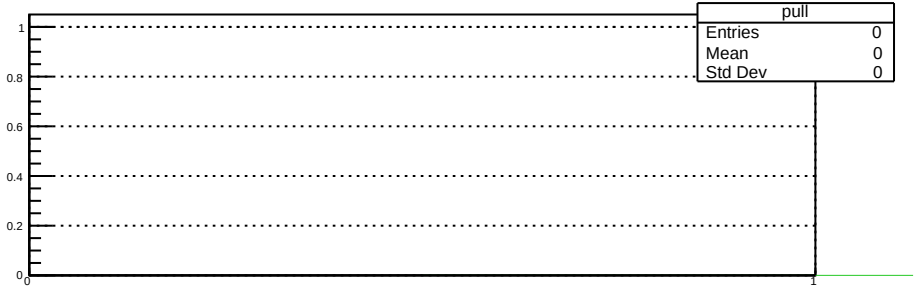

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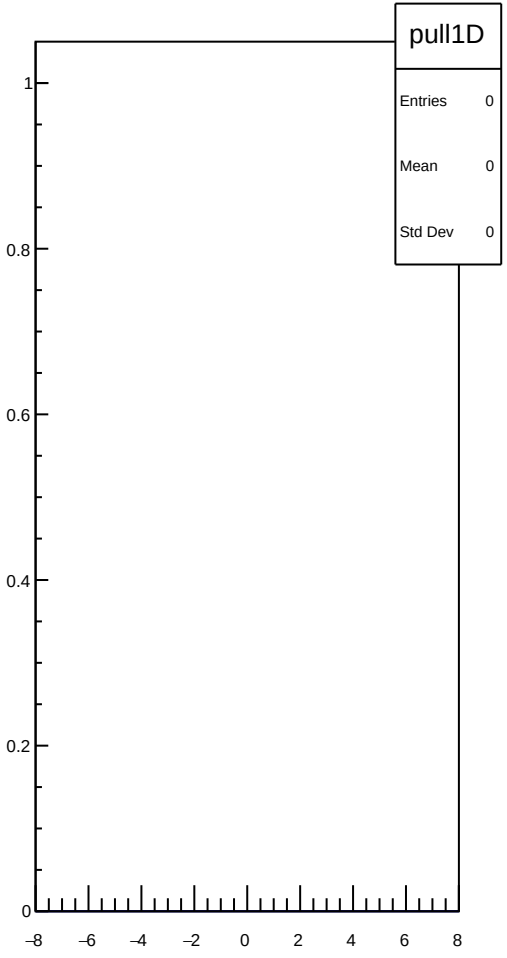

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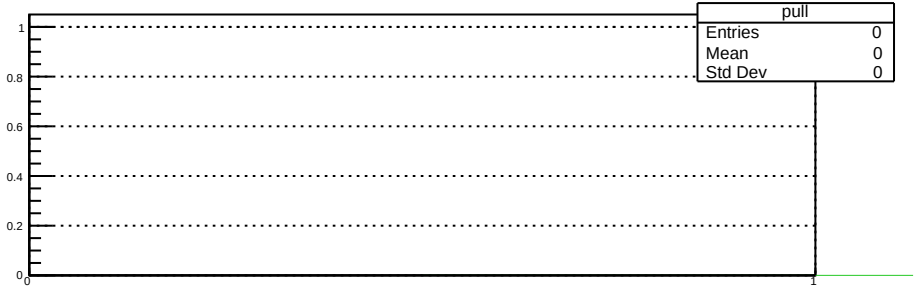

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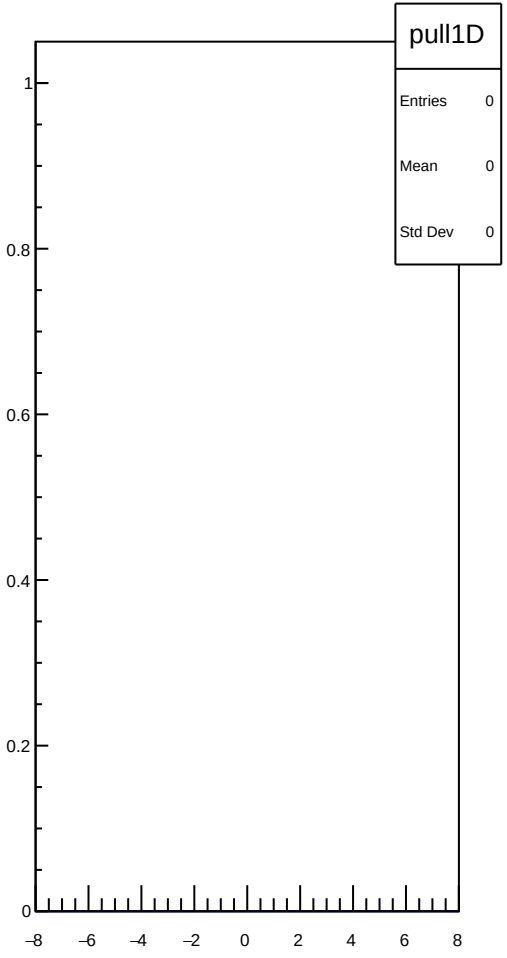

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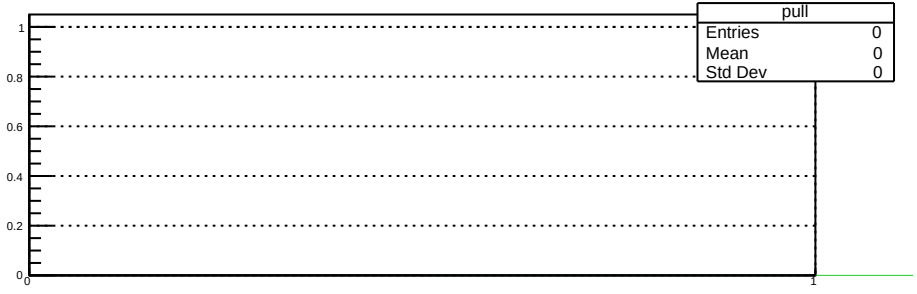

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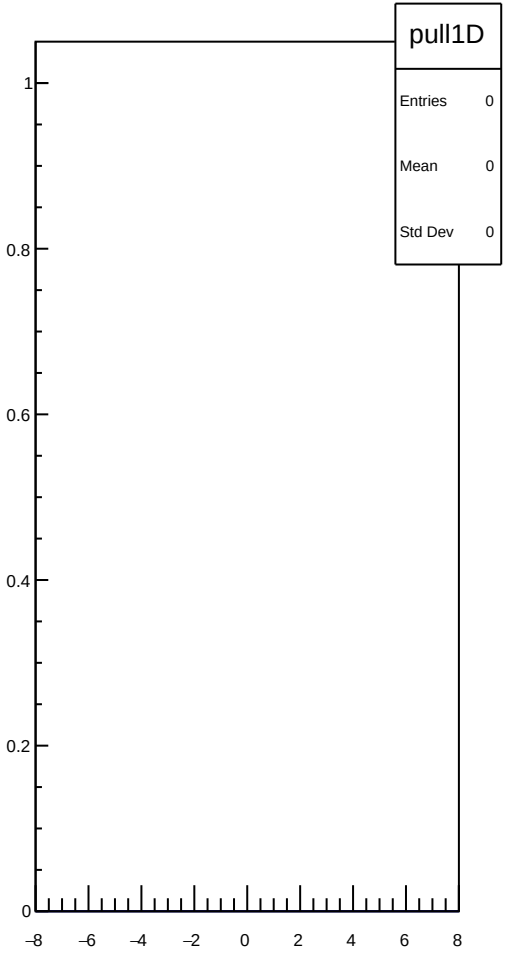

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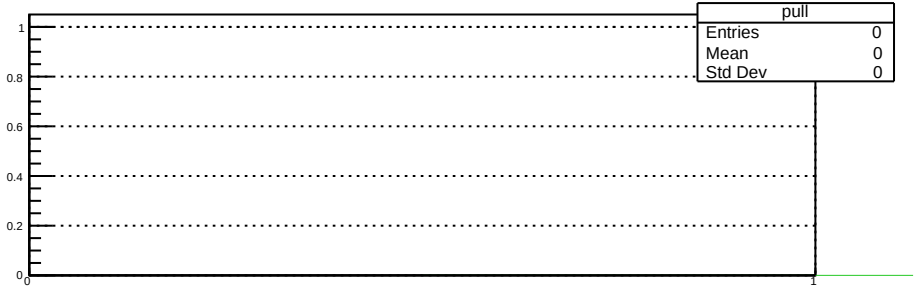

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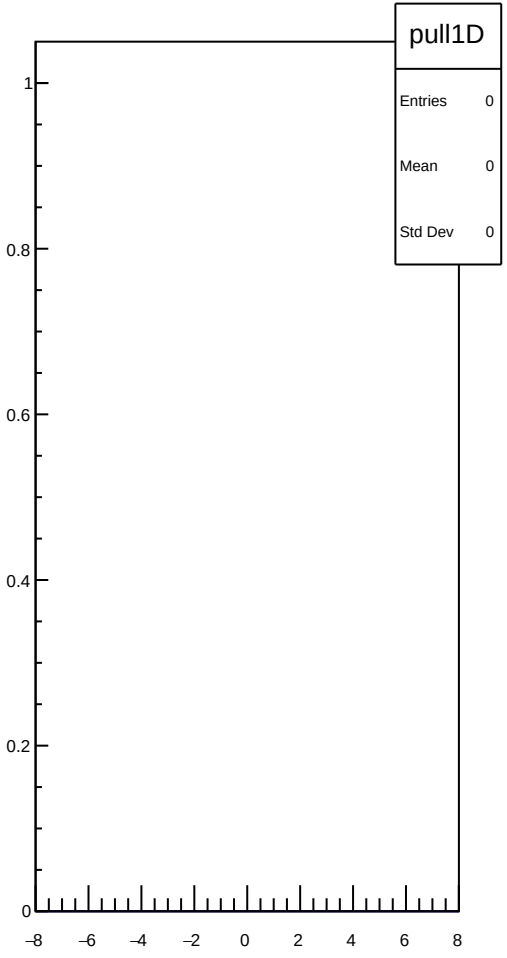

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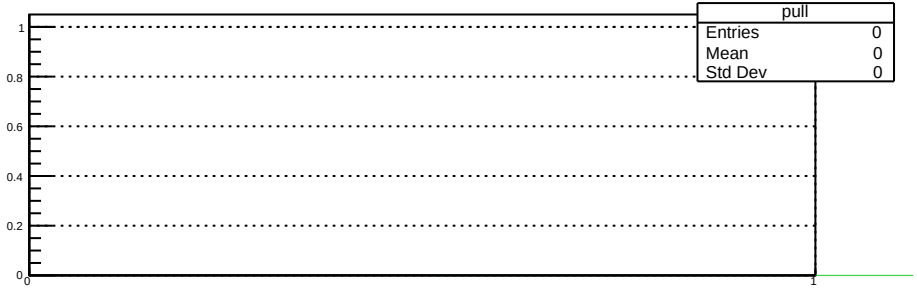

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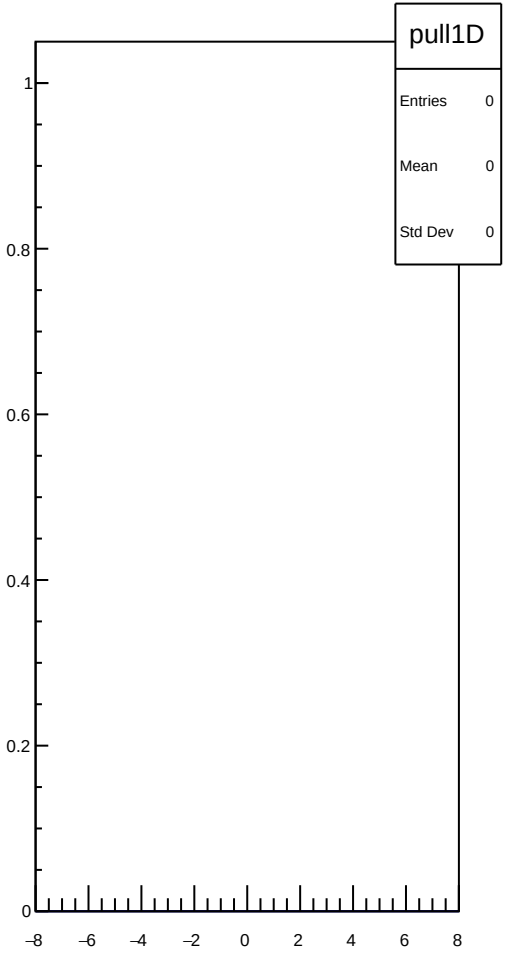

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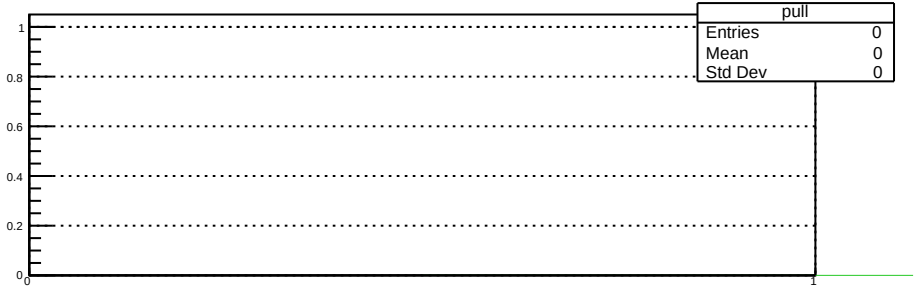

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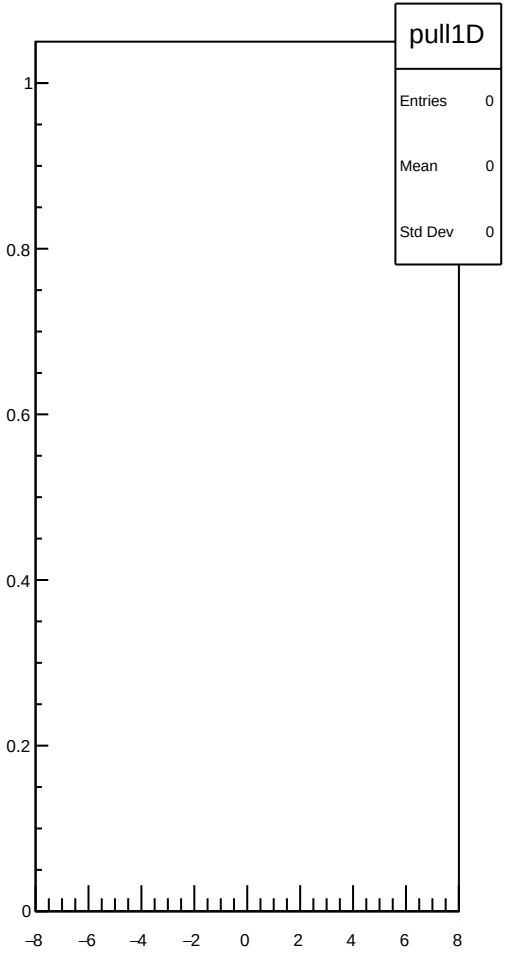

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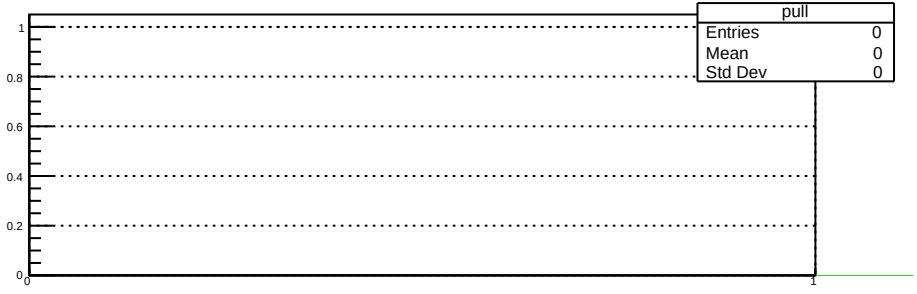

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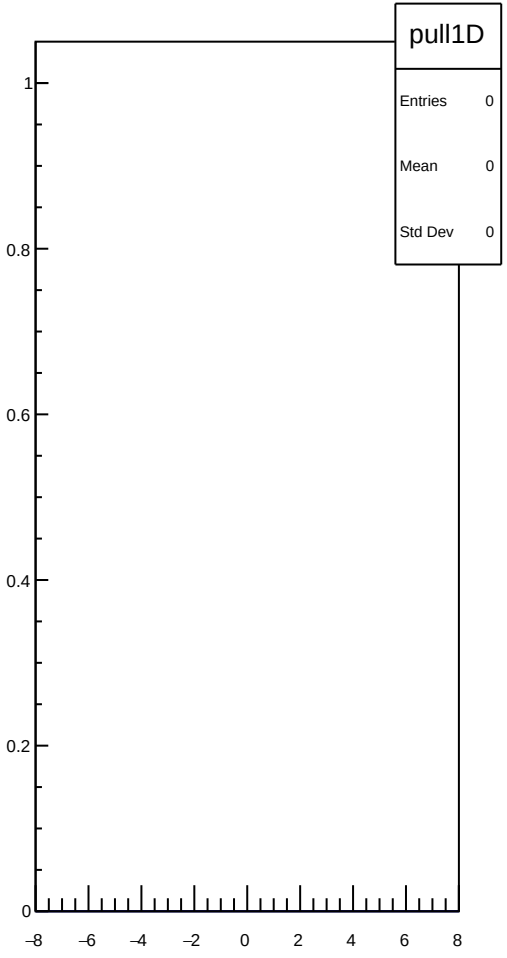

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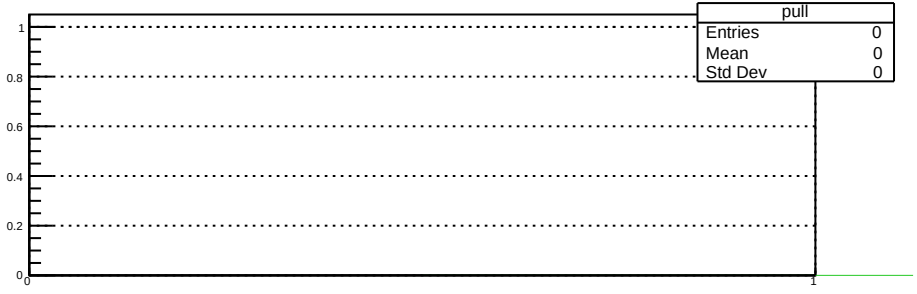

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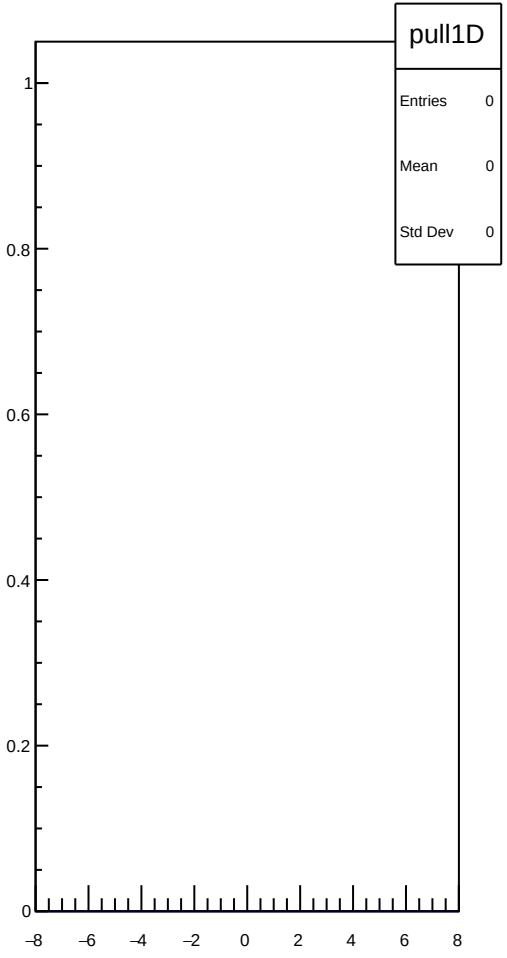

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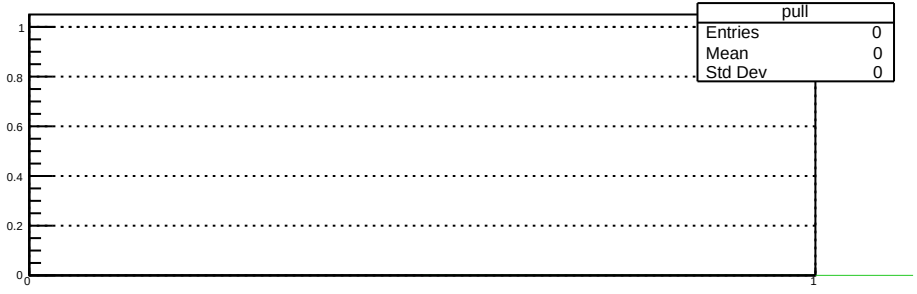

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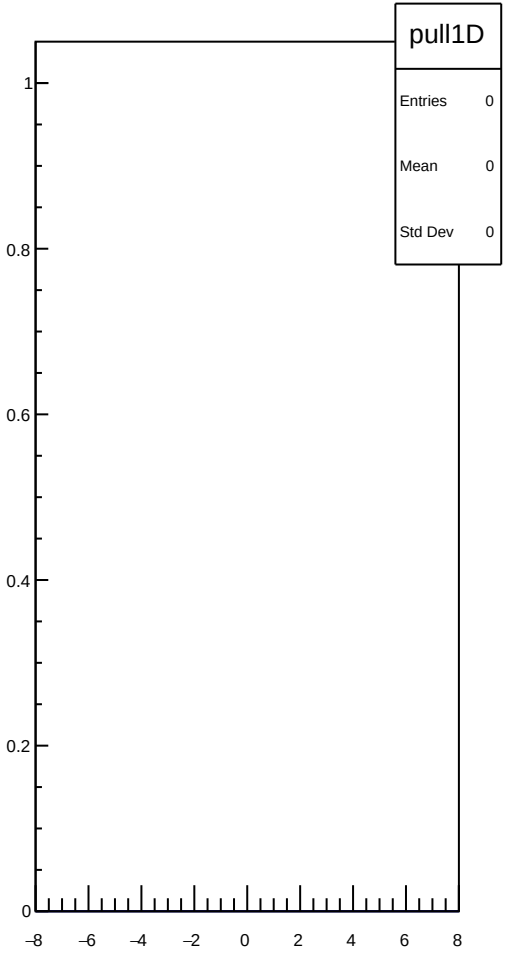

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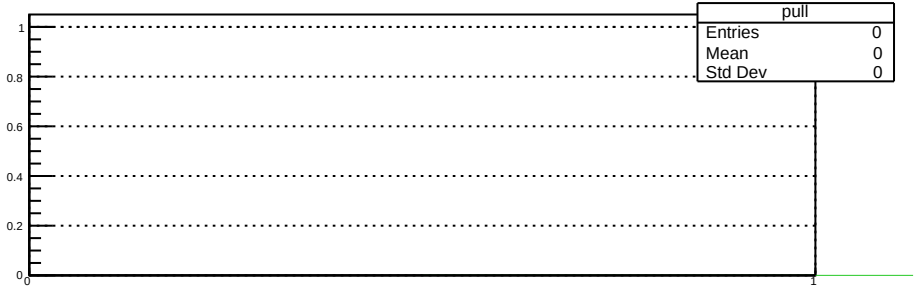

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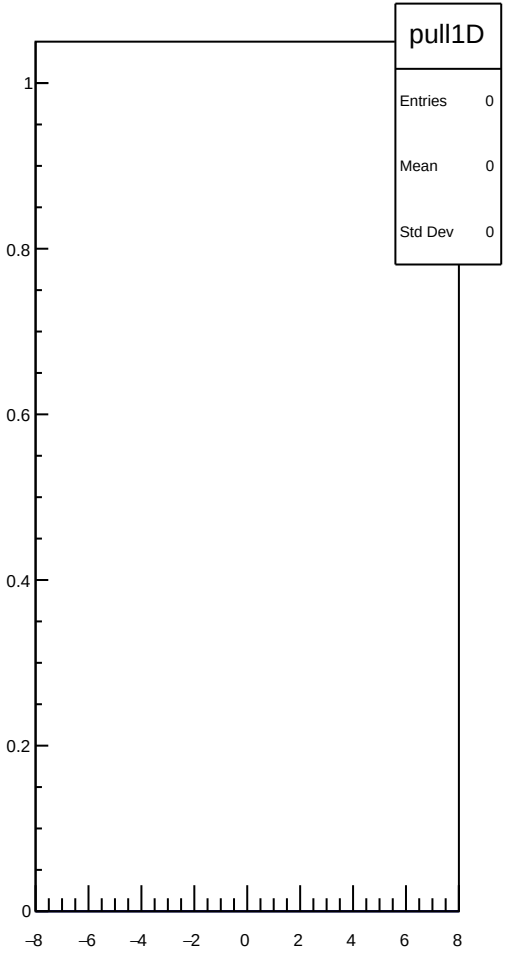

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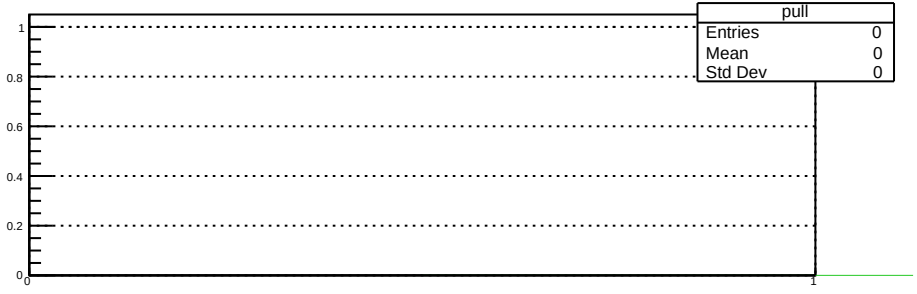

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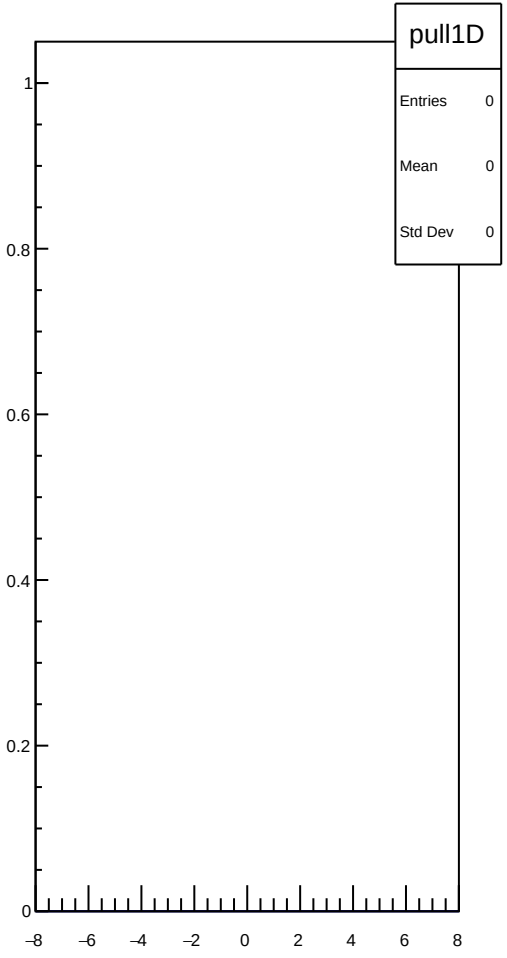

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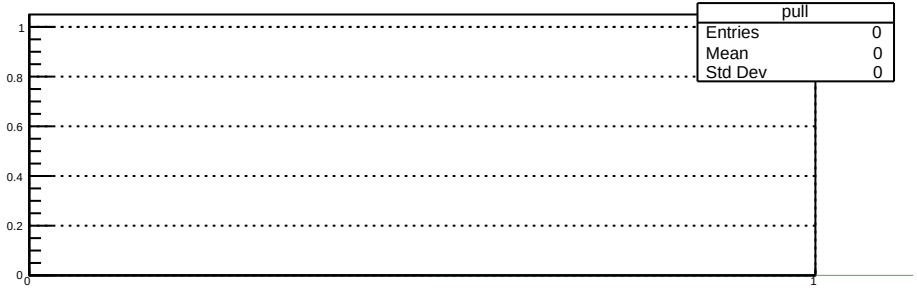

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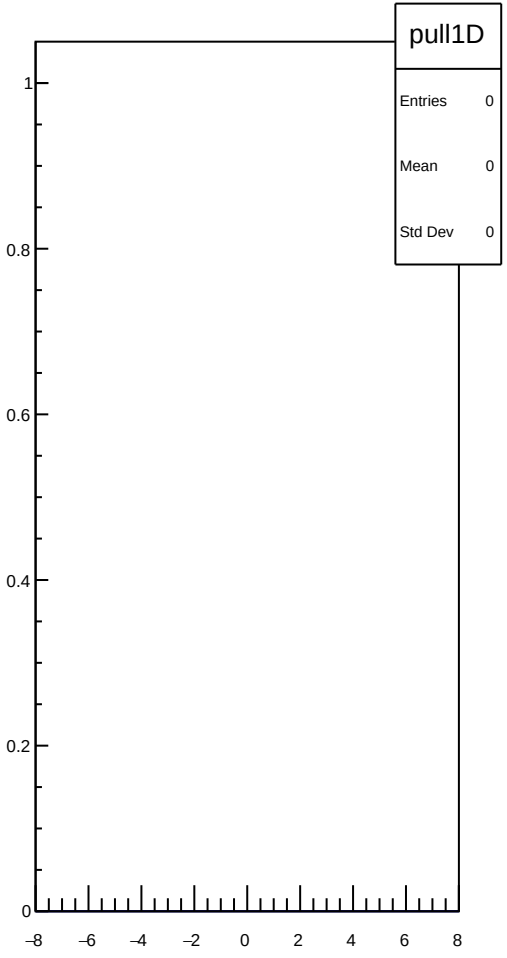

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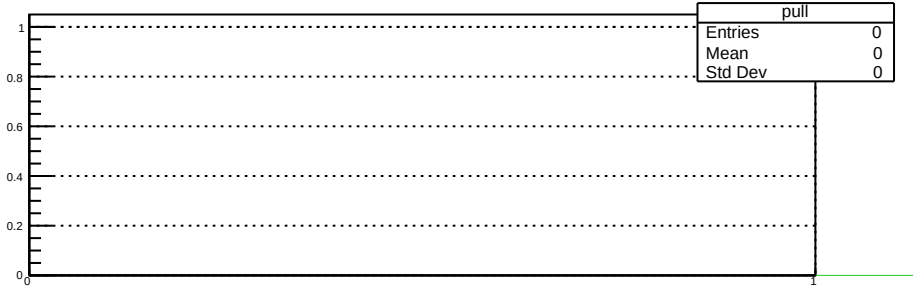

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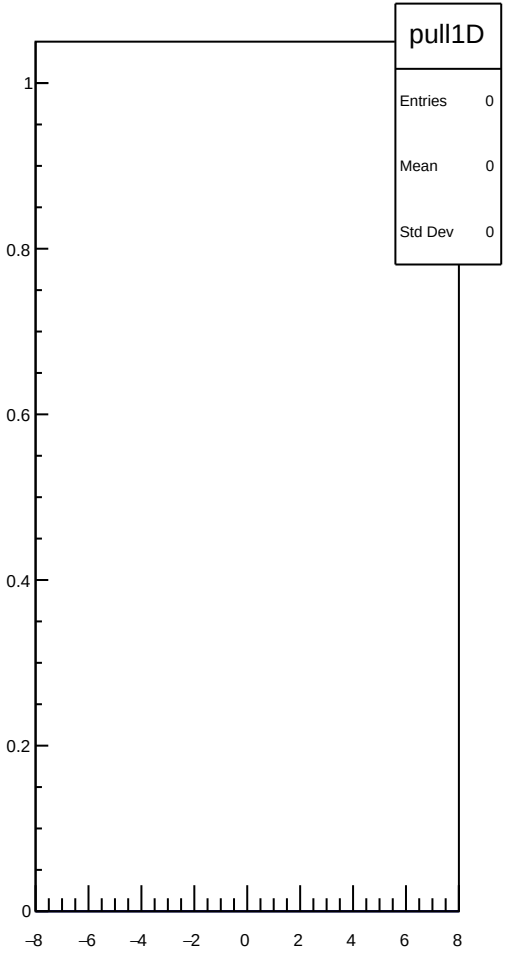

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

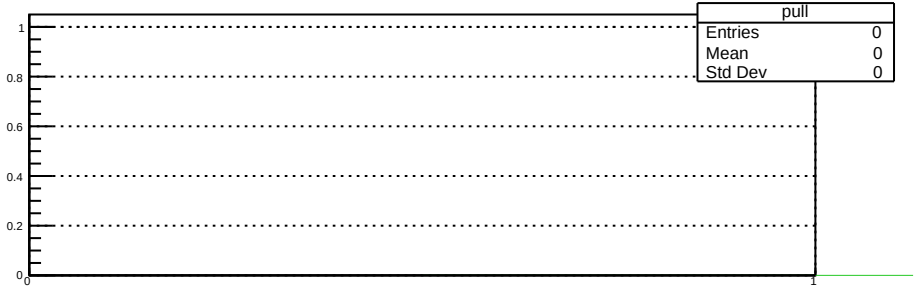

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

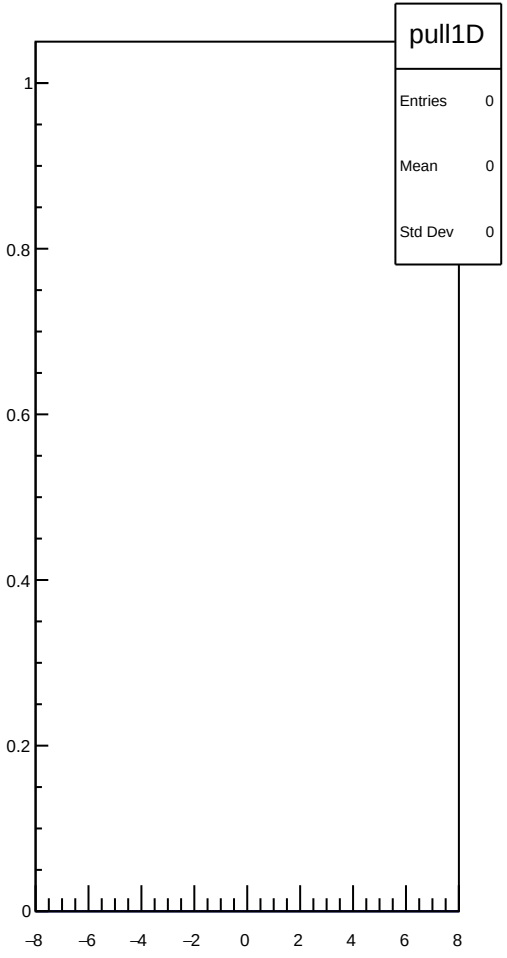

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

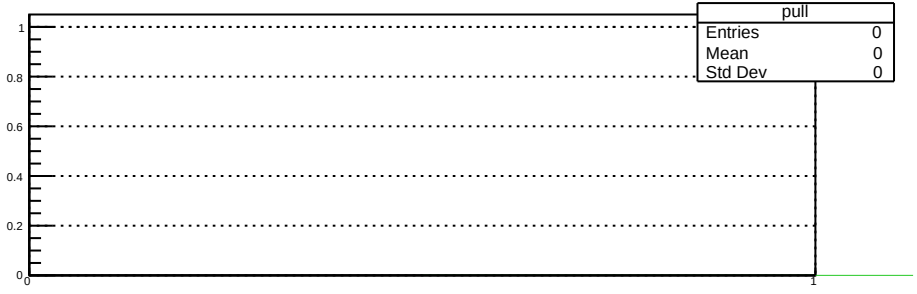

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

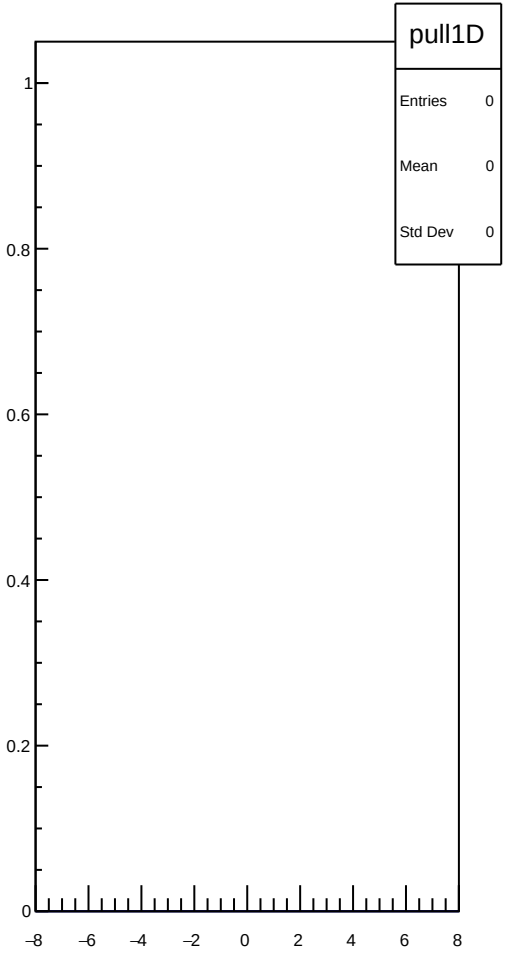

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

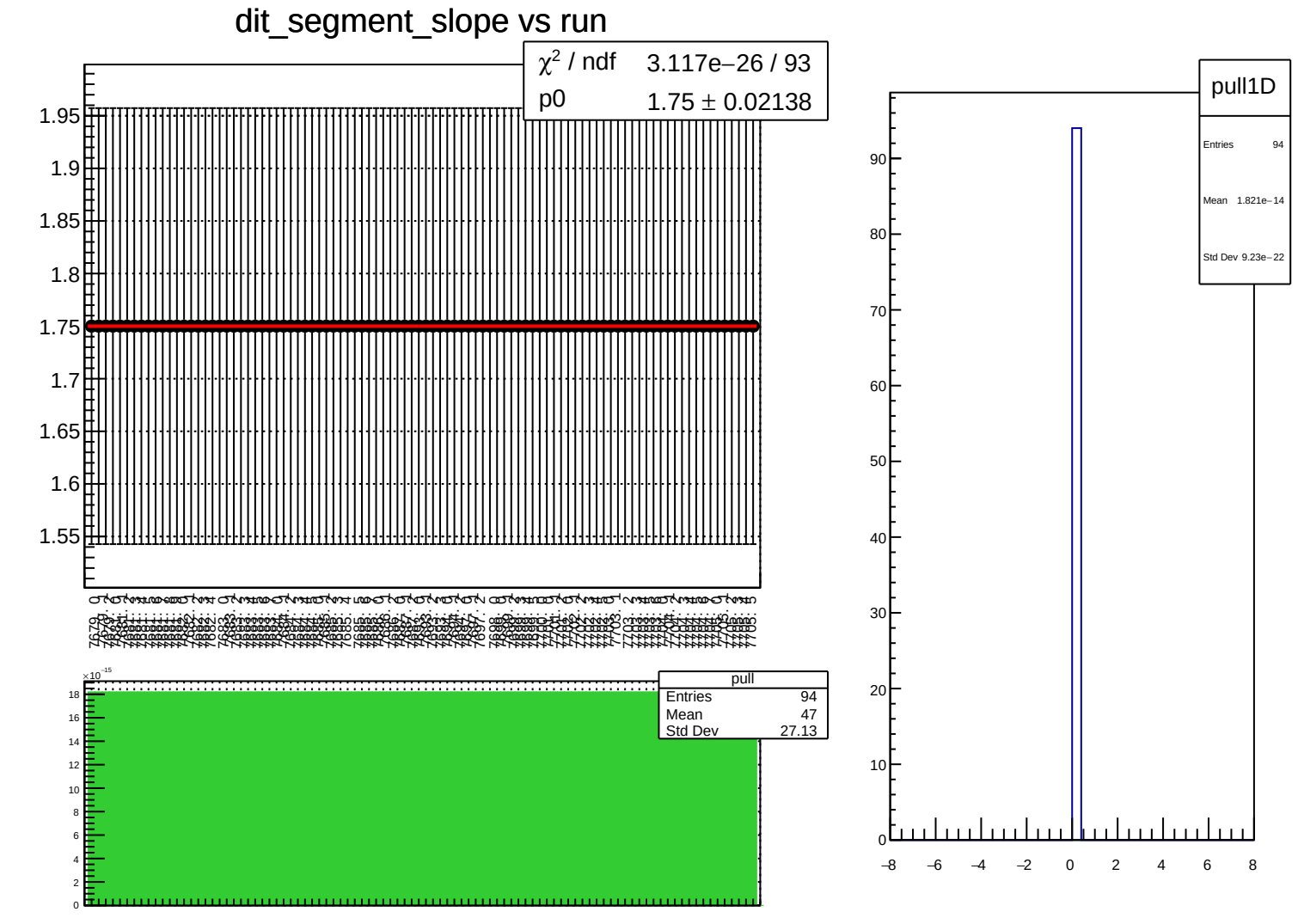

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

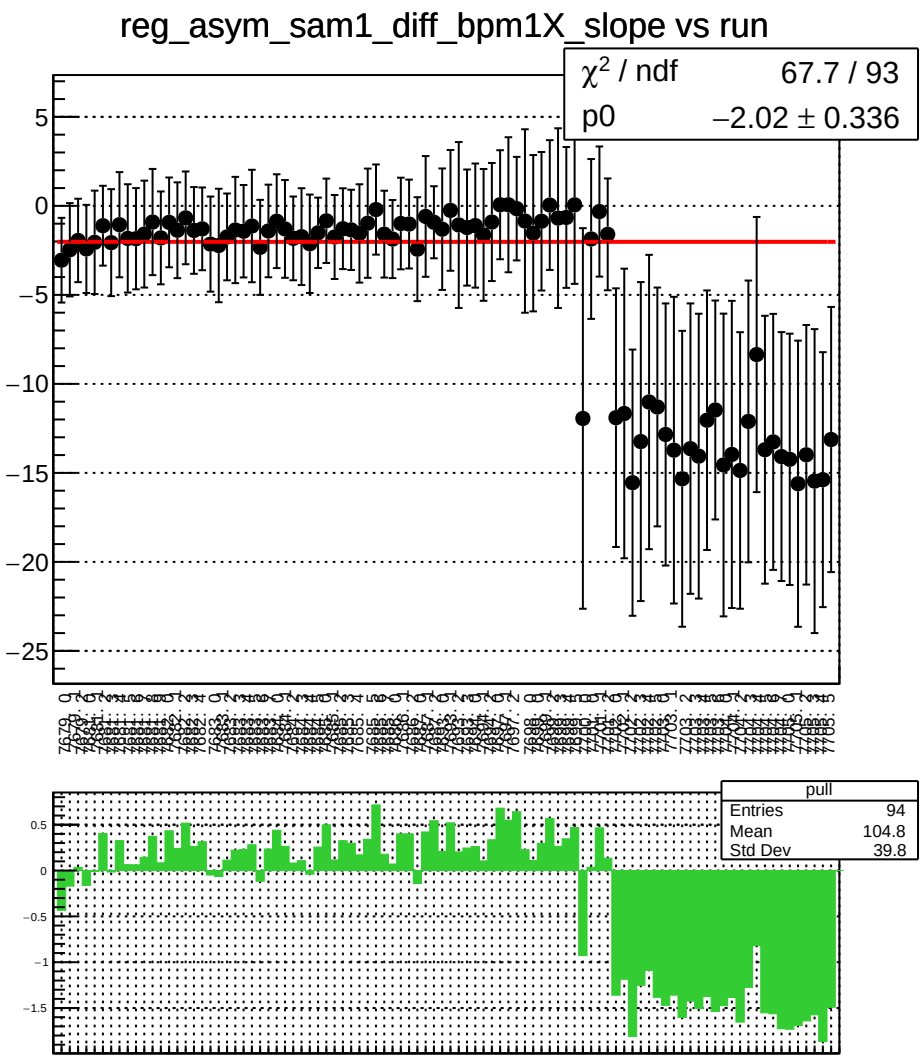

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

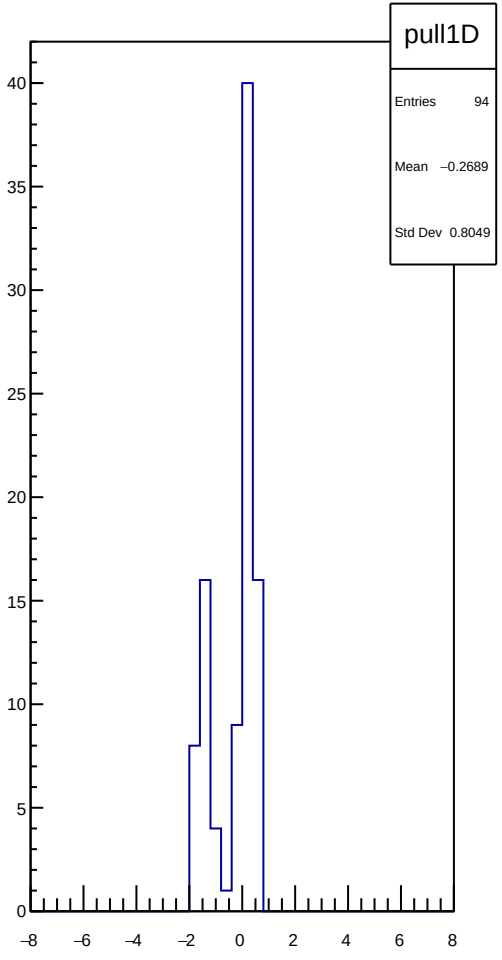

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

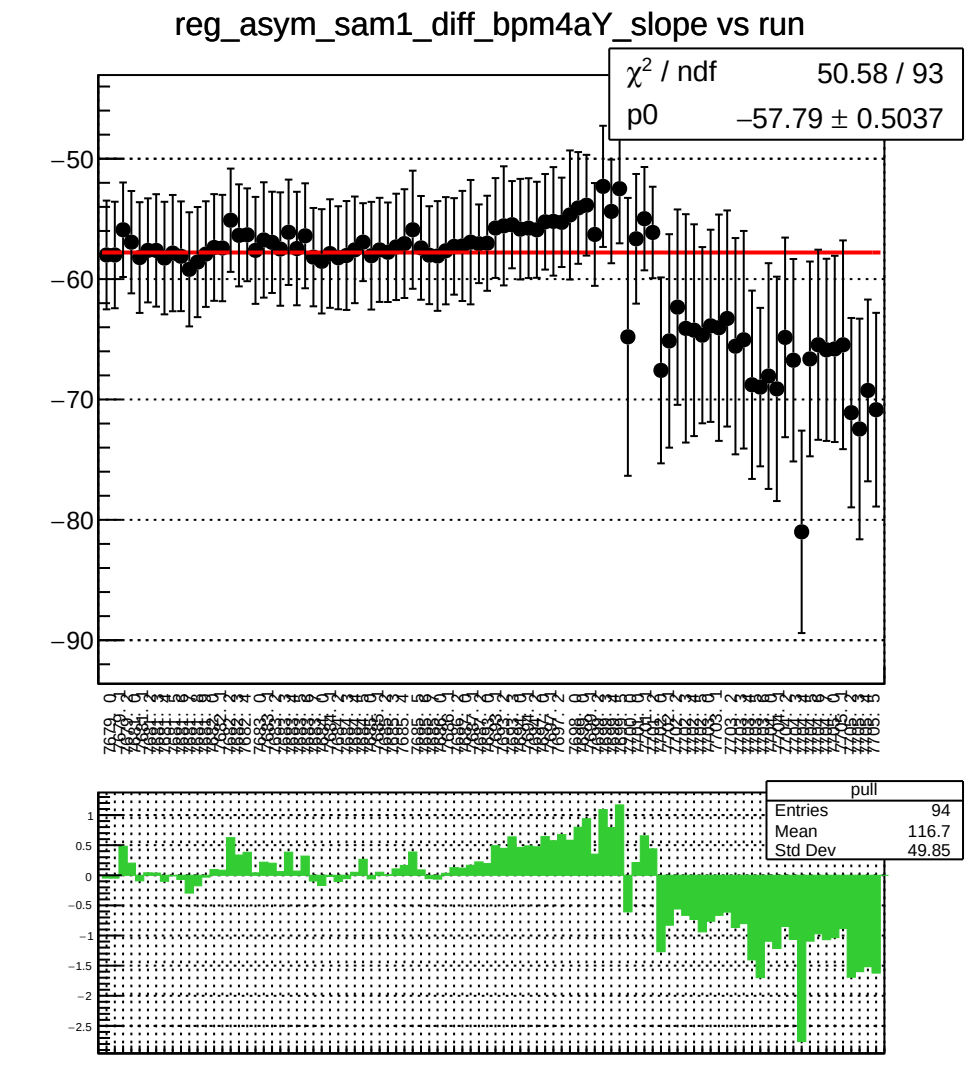

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

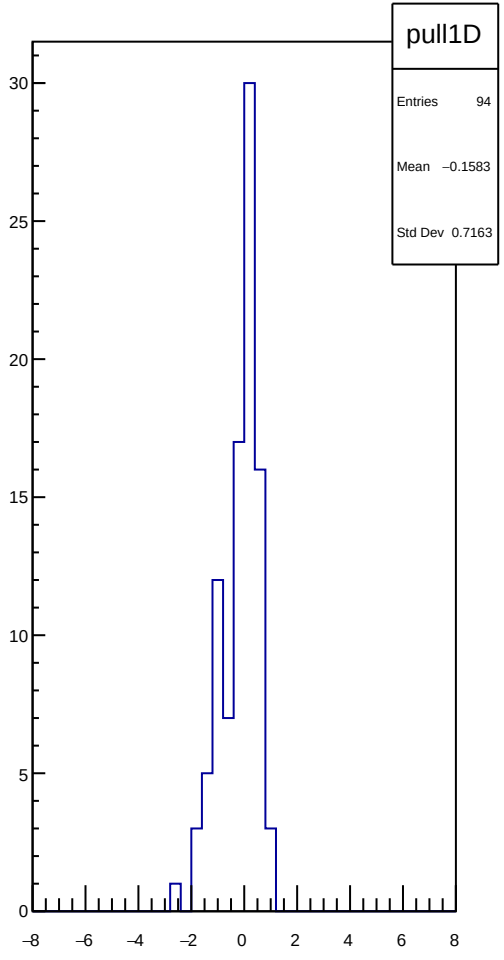

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

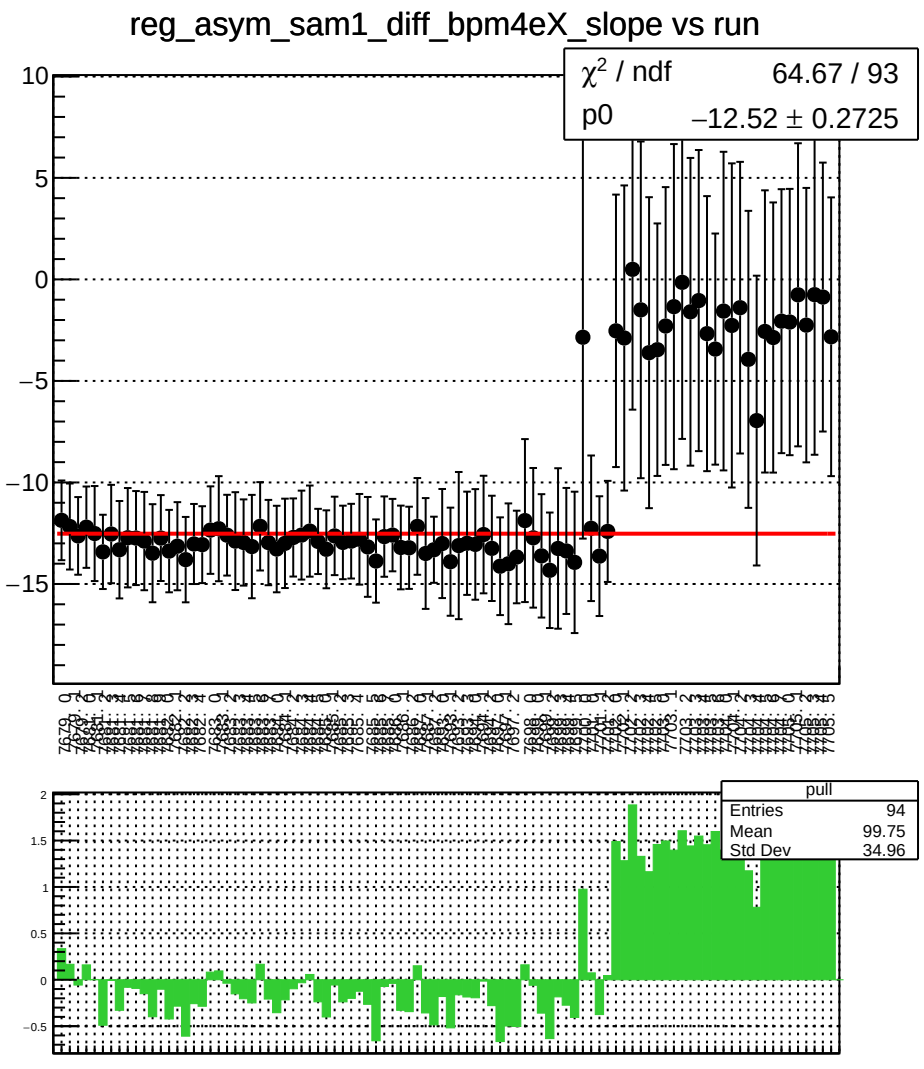

dit_segment_slope vs run
χ² / ndf 3.117e−26 / 93
p0 1.75 ± 0.02138
1.95
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
pull
Entries 94
Mean 47
Std Dev 27.13
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 94
Mean 1.821e−14
Std Dev 9.23e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

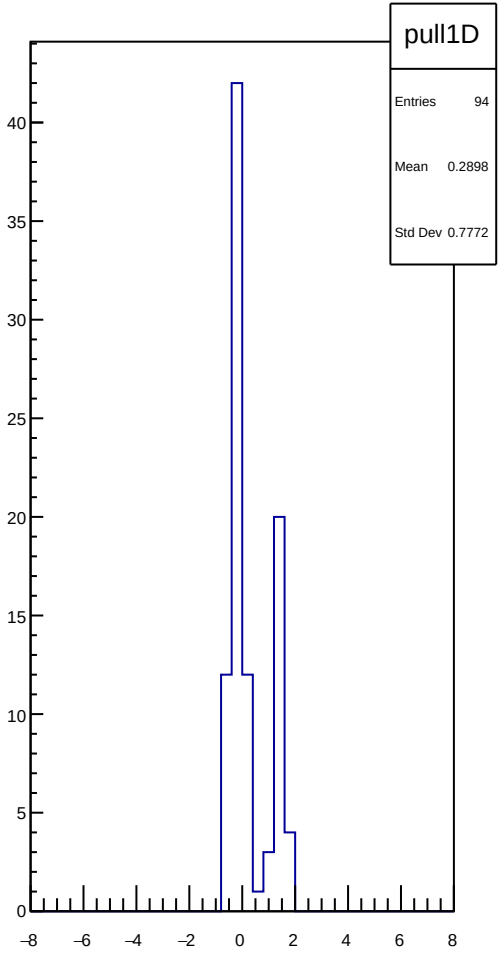

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 67.7 / 93
p0 −2.02 ± 0.336
pull
Entries 94
Mean 104.8
Std Dev 39.8

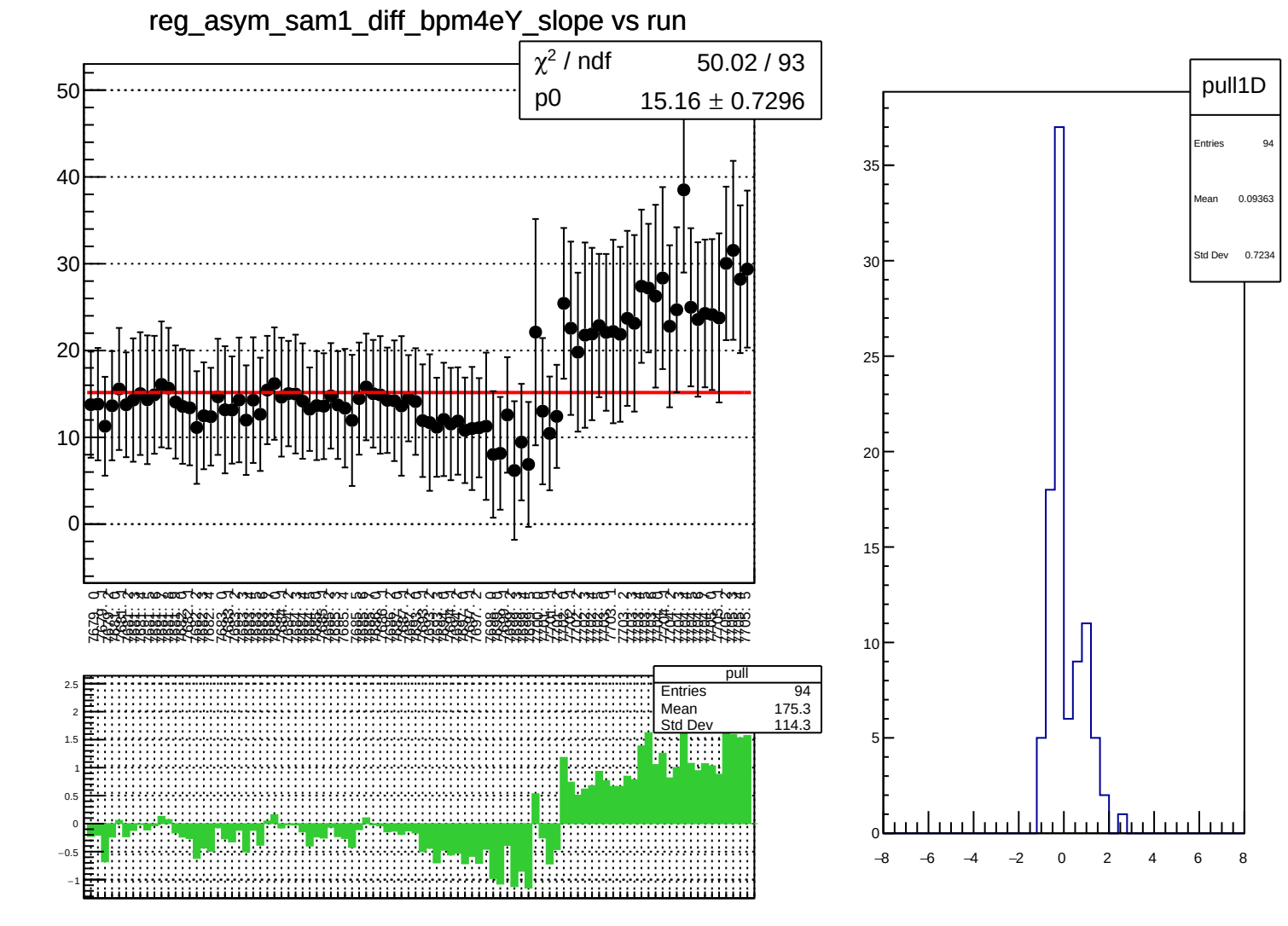

pull1D
Entries 94
Mean −0.2689
Std Dev 0.8049

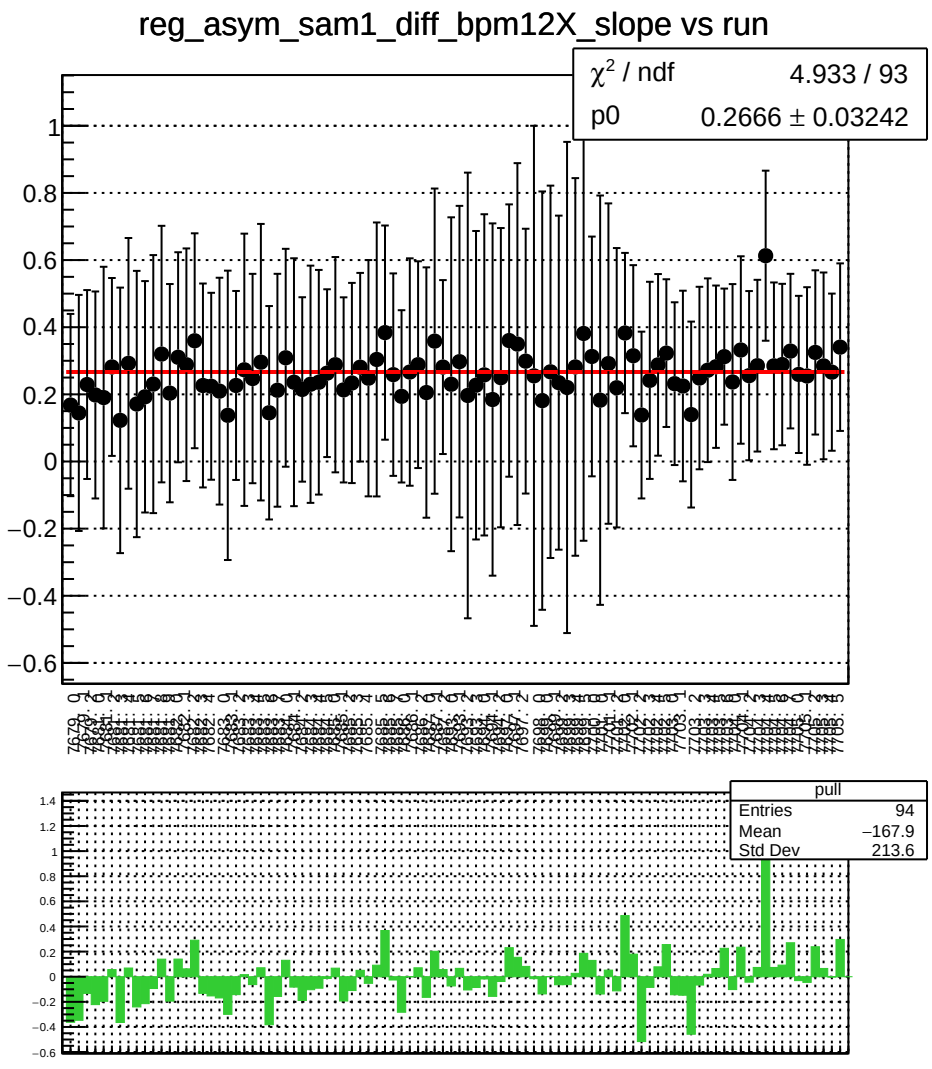

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 50.58 / 93
p0 −57.79 ± 0.5037
−50
−60
−70
−80
−90
pull
Entries 94
Mean 116.7
Std Dev 49.85
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

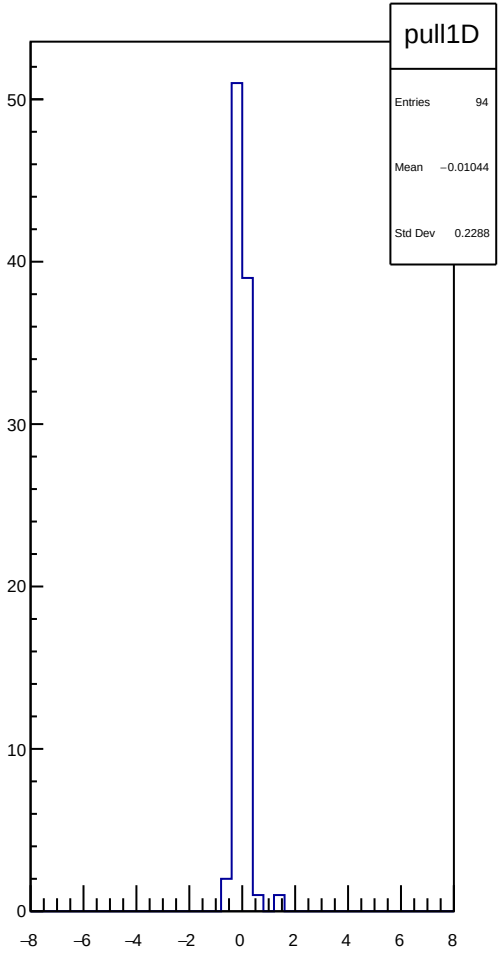

pull1D
Entries 94
Mean −0.1583
Std Dev 0.7163
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

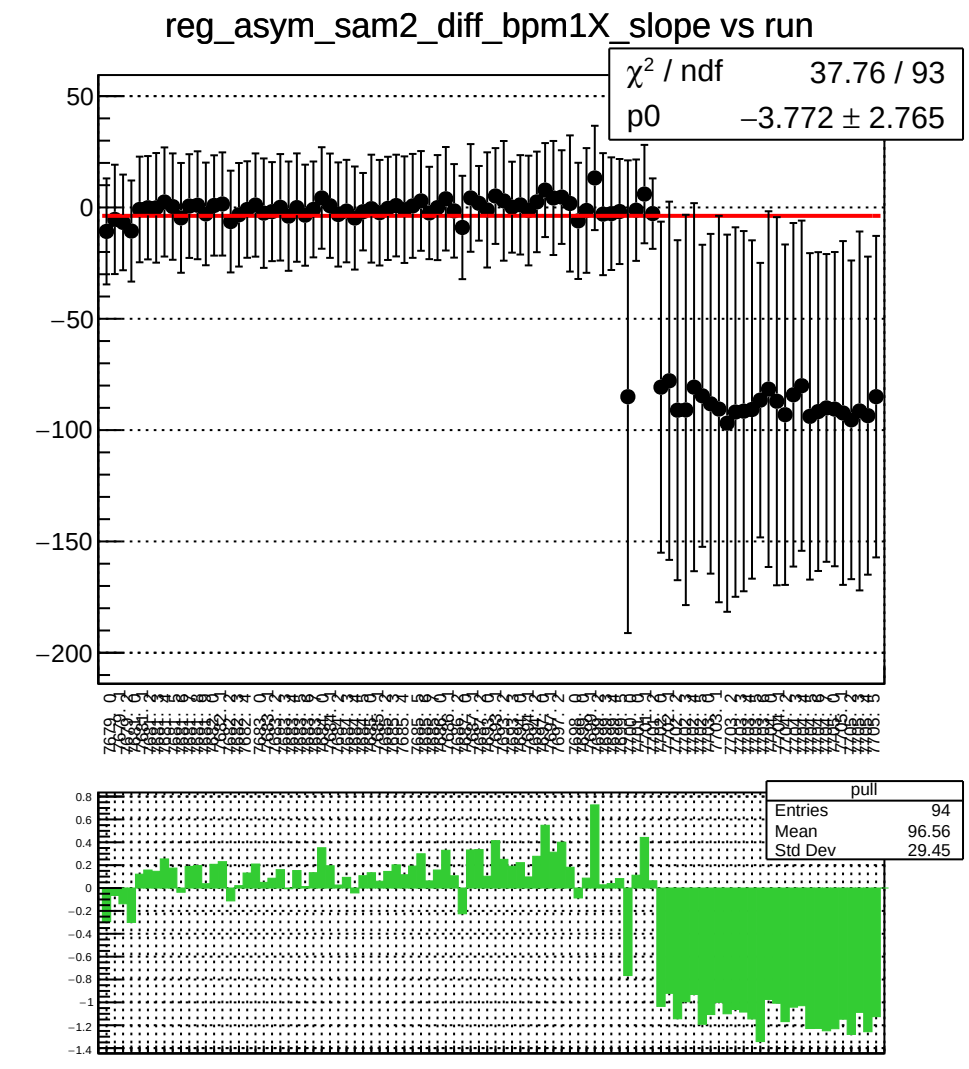

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 64.67 / 93
p0 −12.52 ± 0.2725
pull
Entries 94
Mean 99.75
Std Dev 34.96

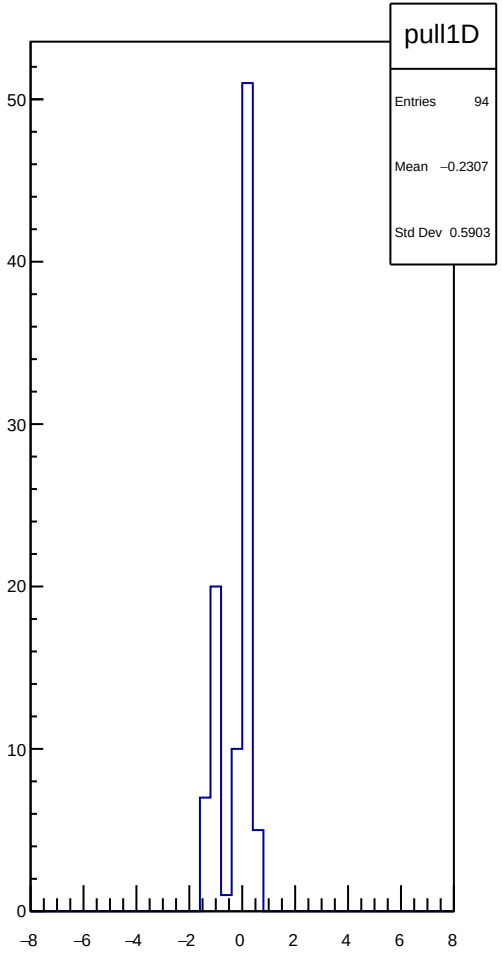

pull1D
Entries 94
Mean 0.2898
Std Dev 0.7772

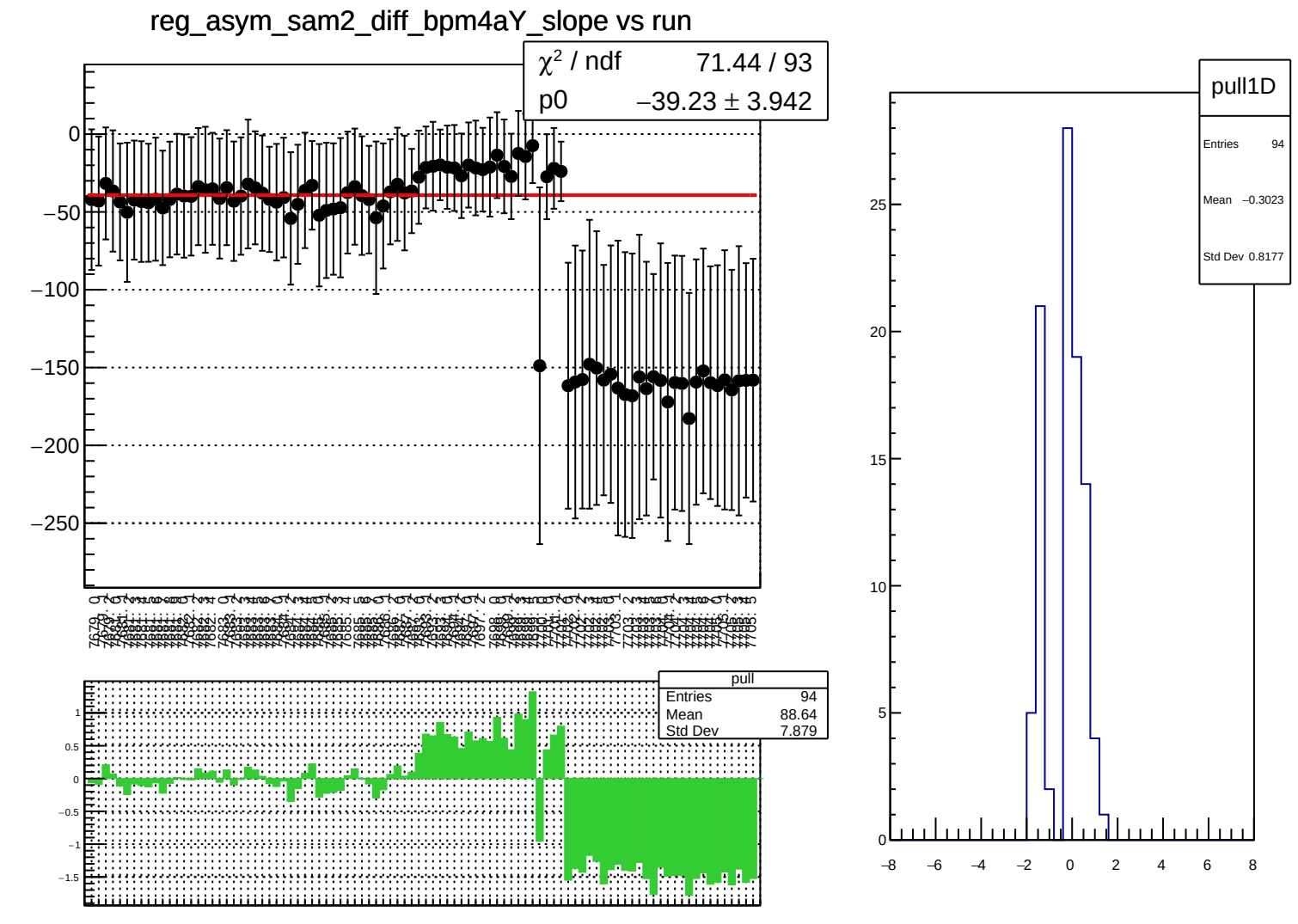

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 50.02 / 93
p0 15.16 ± 0.7296
pull
Entries 94
Mean 175.3
Std Dev 114.3
pull1D
Entries 94
Mean 0.09363
Std Dev 0.7234

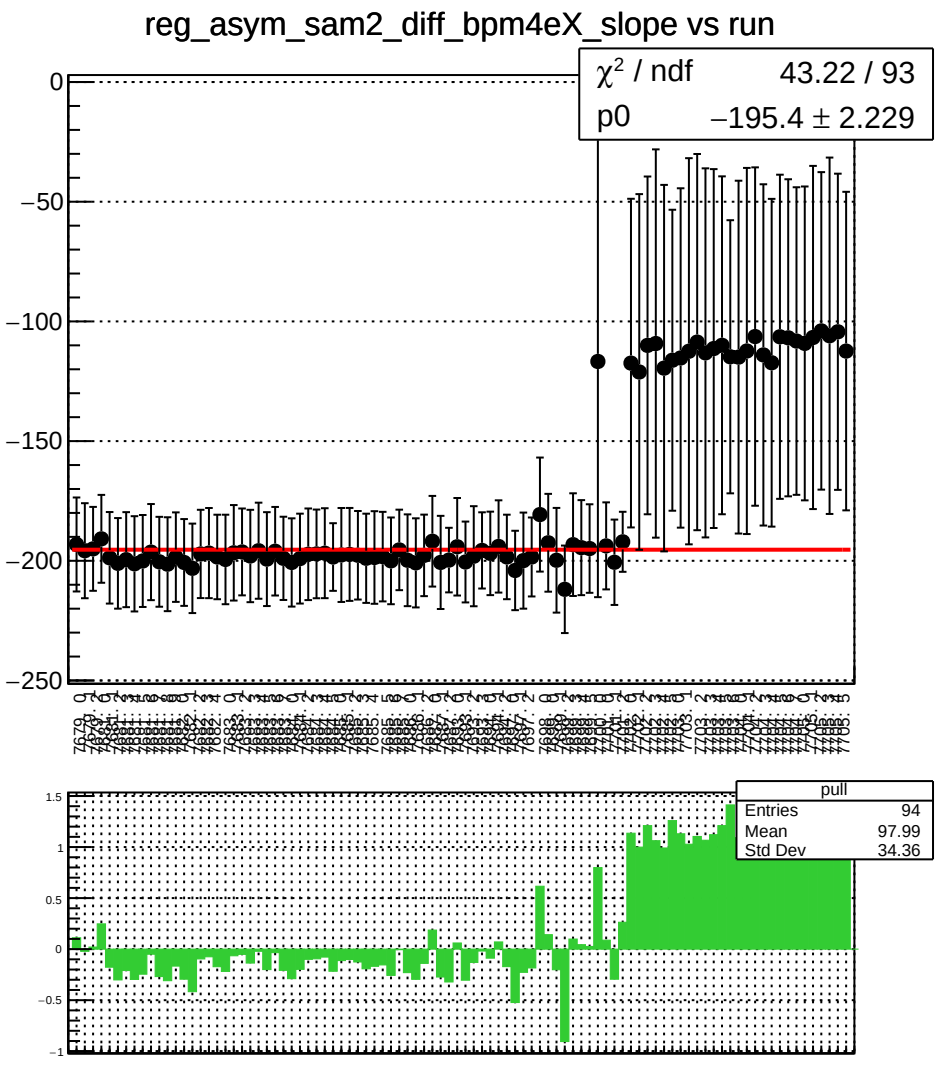

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 4.933 / 93
p0 0.2666 ± 0.03242
pull
Entries 94
Mean −167.9
Std Dev 213.6

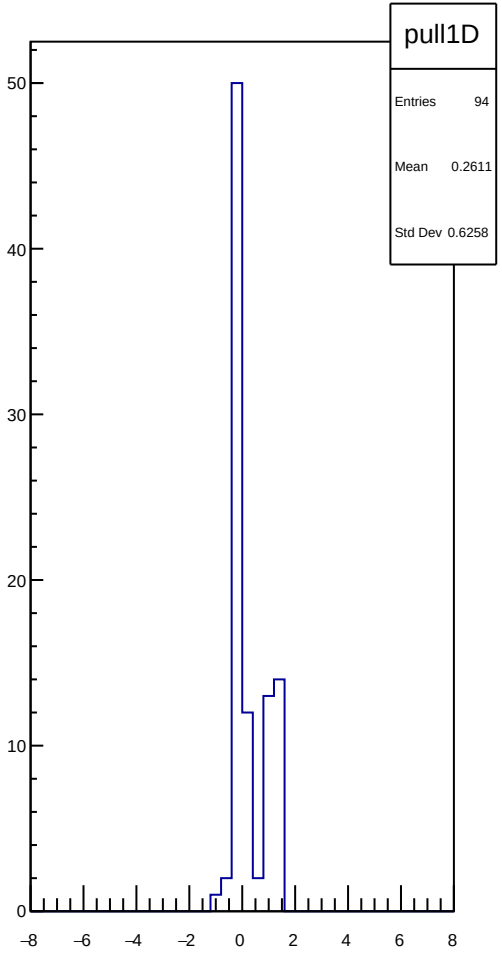

pull1D
Entries 94
Mean −0.01044
Std Dev 0.2288

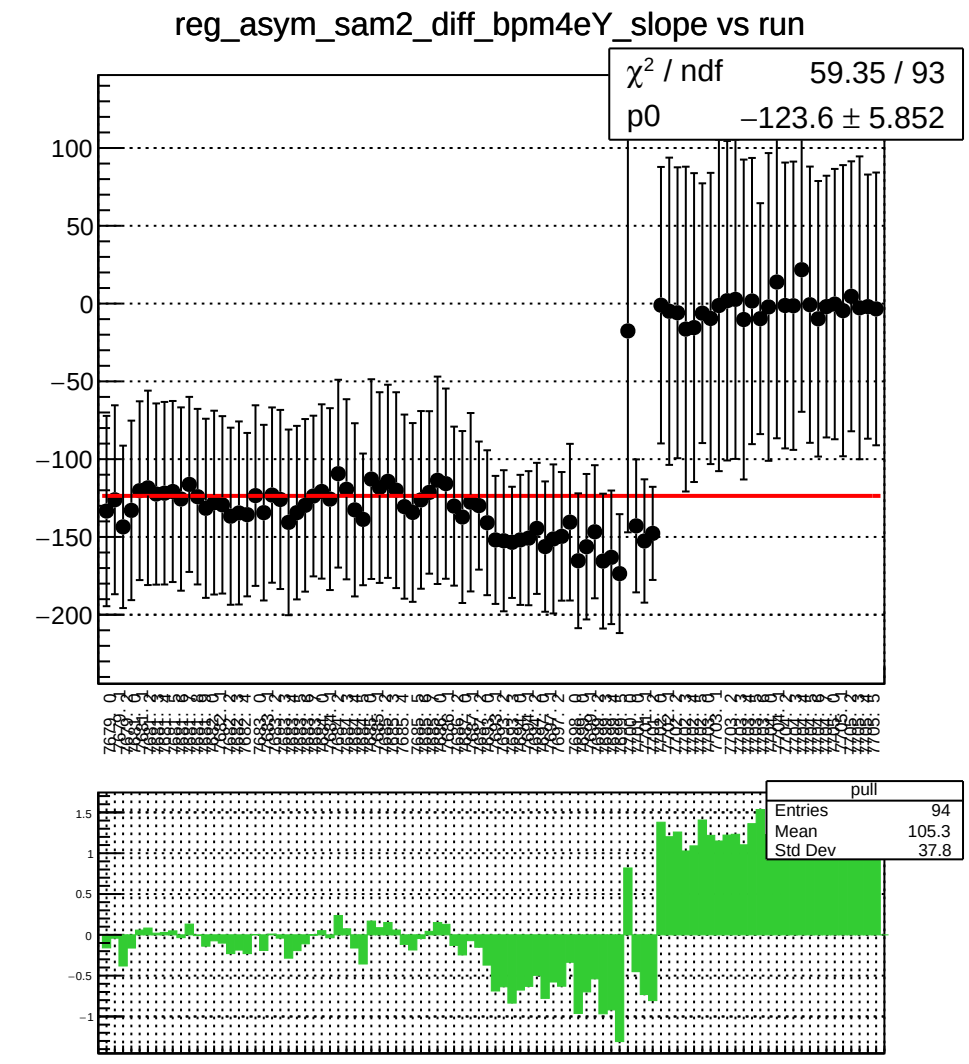

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 37.76 / 93
p0 −3.772 ± 2.765
pull
Entries 94
Mean 96.56
Std Dev 29.45

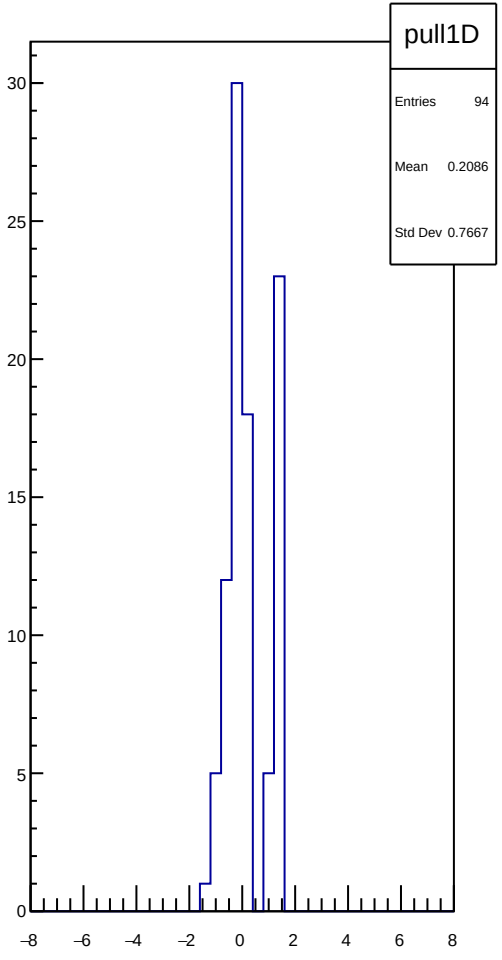

pull1D
Entries 94
Mean −0.2307
Std Dev 0.5903

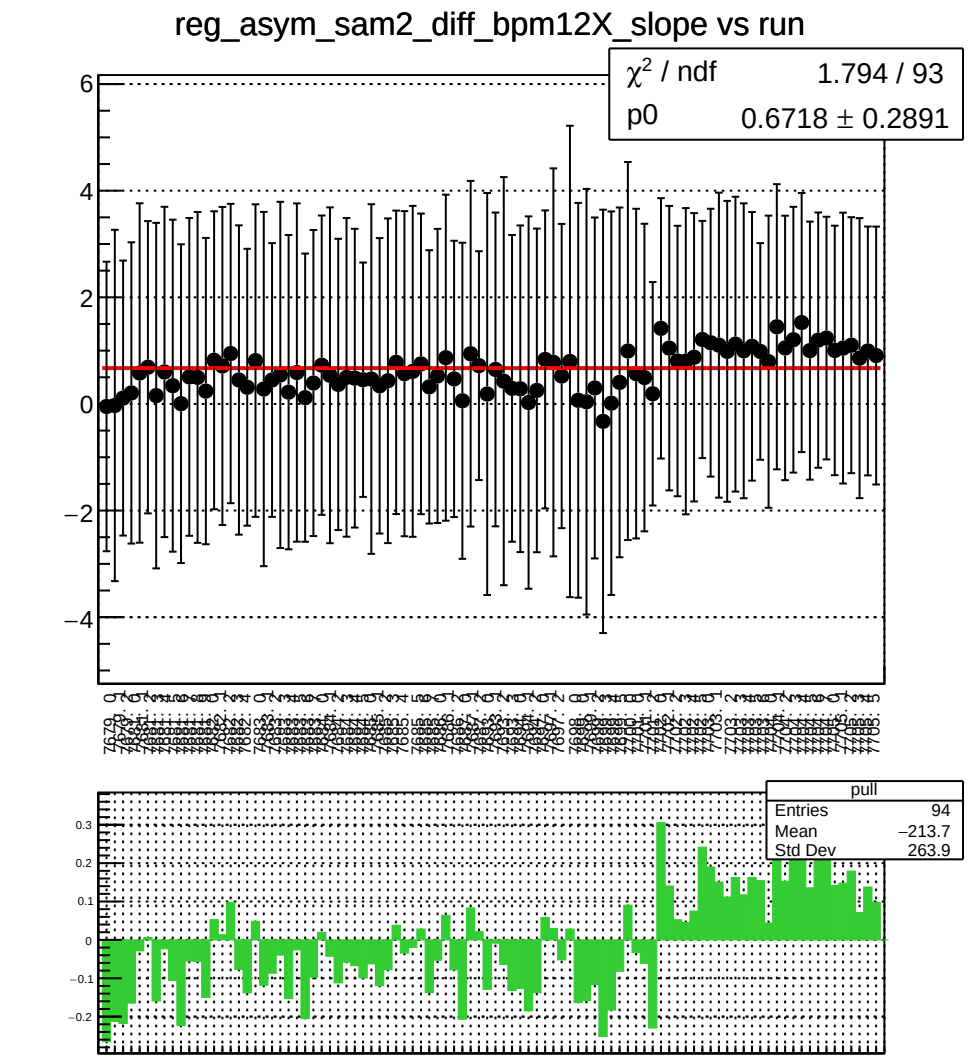

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 71.44 / 93
p0 −39.23 ± 3.942
0
−50
−100
−150
−200
−250
pull
Entries 94
Mean 88.64
Std Dev 7.879
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 94
Mean −0.3023
Std Dev 0.8177
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

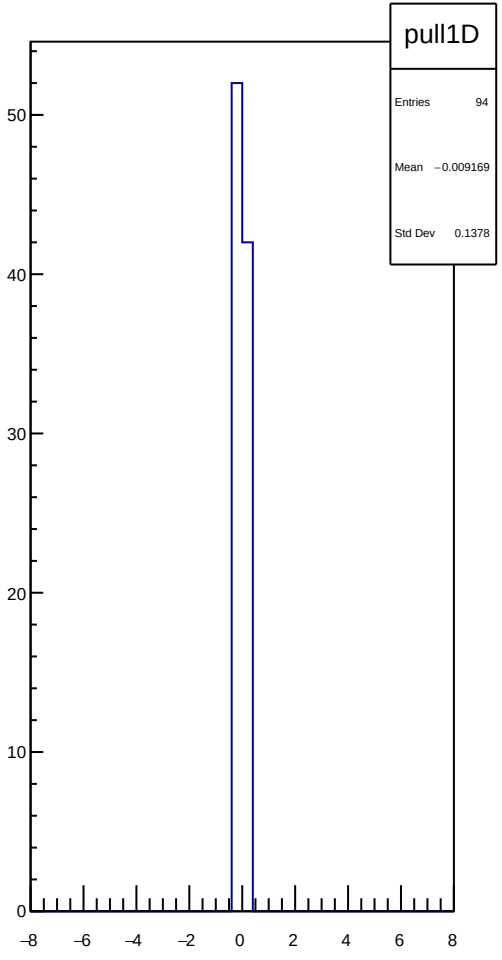

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 43.22 / 93
p0 −195.4 ± 2.229
pull
Entries 94
Mean 97.99
Std Dev 34.36

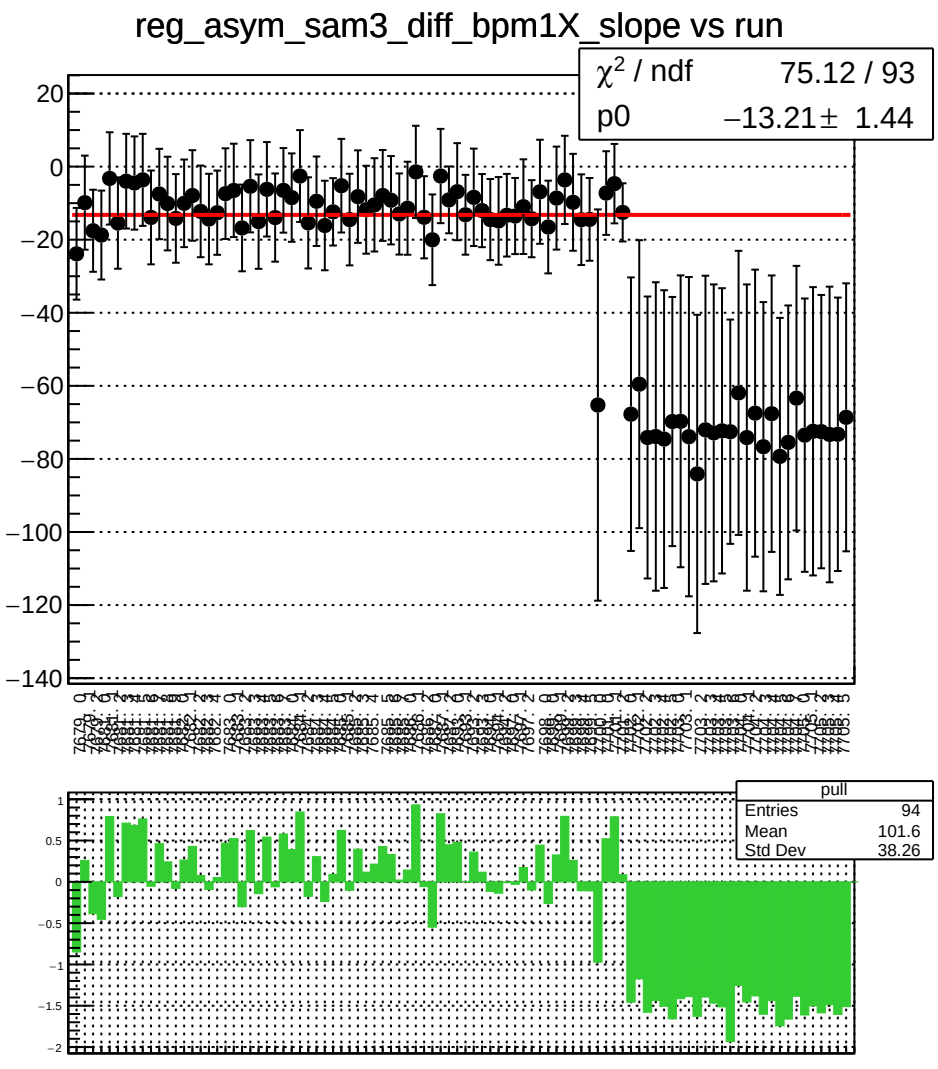

pull1D
Entries 94
Mean 0.2611
Std Dev 0.6258

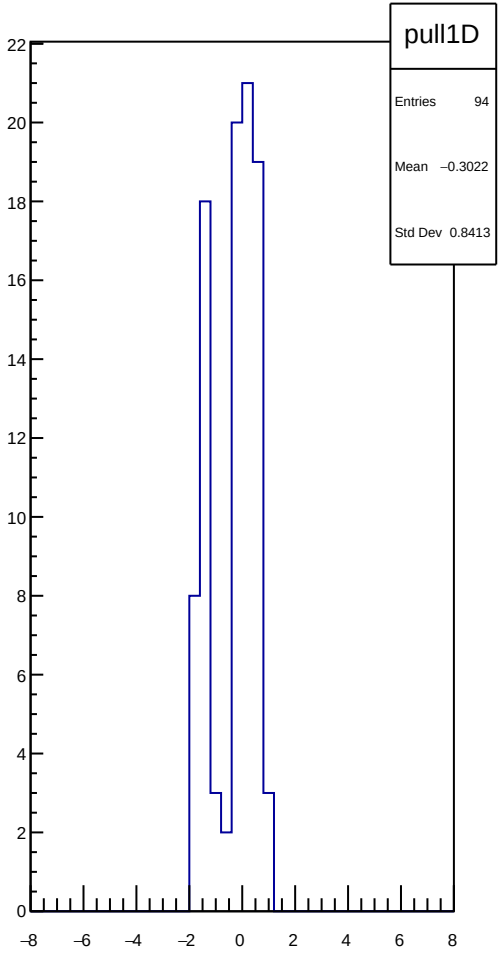

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 59.35 / 93
p0 −123.6 ± 5.852
pull
Entries 94
Mean 105.3
Std Dev 37.8

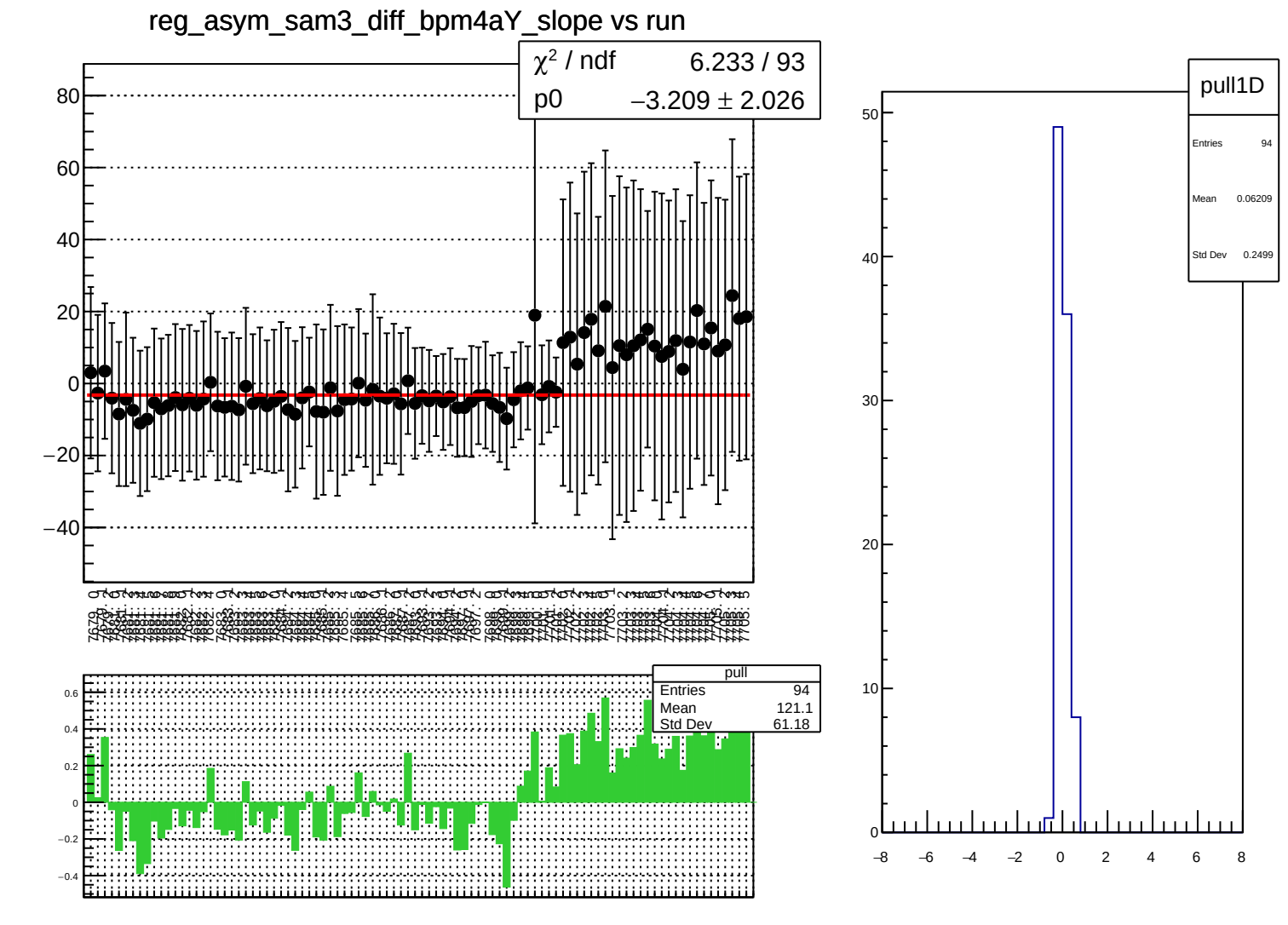

pull1D
Entries 94
Mean 0.2086
Std Dev 0.7667

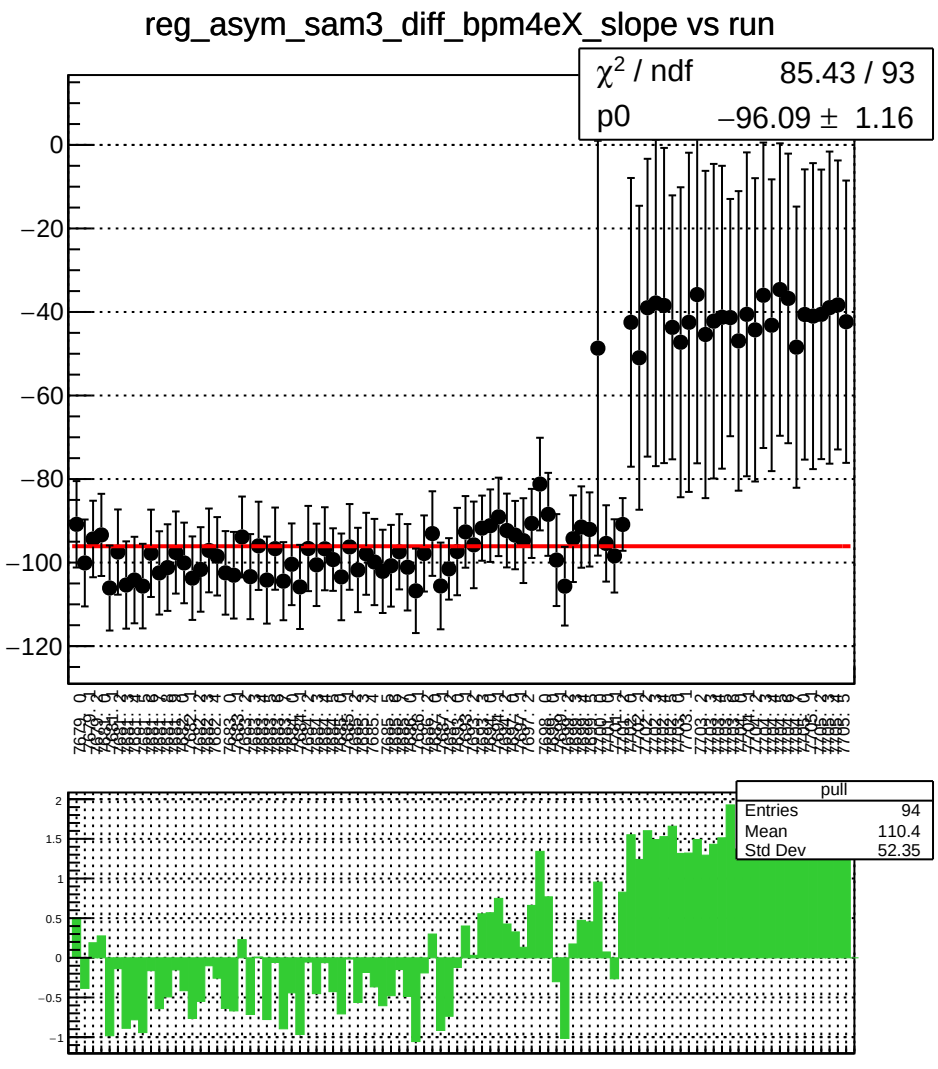

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.794 / 93
p0 0.6718 ± 0.2891
pull
Entries 94
Mean −213.7
Std Dev 263.9

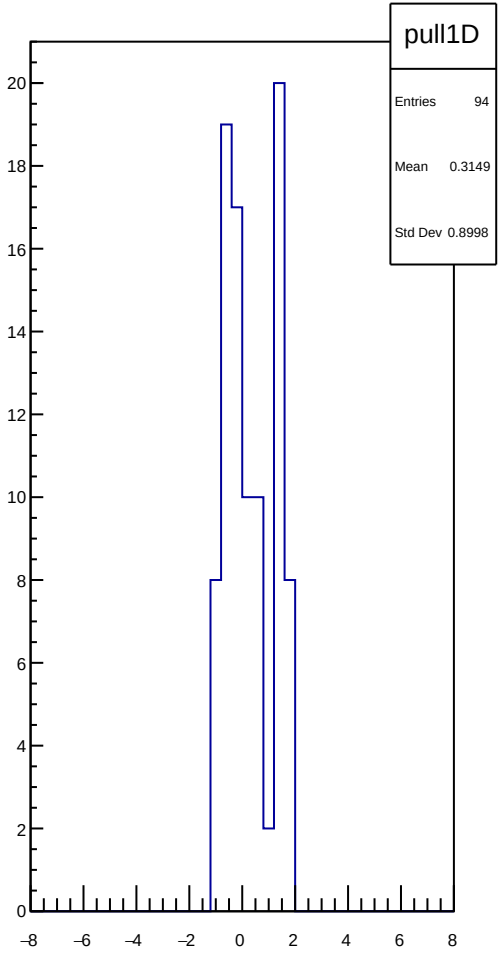

pull1D
Entries 94
Mean −0.009169
Std Dev 0.1378

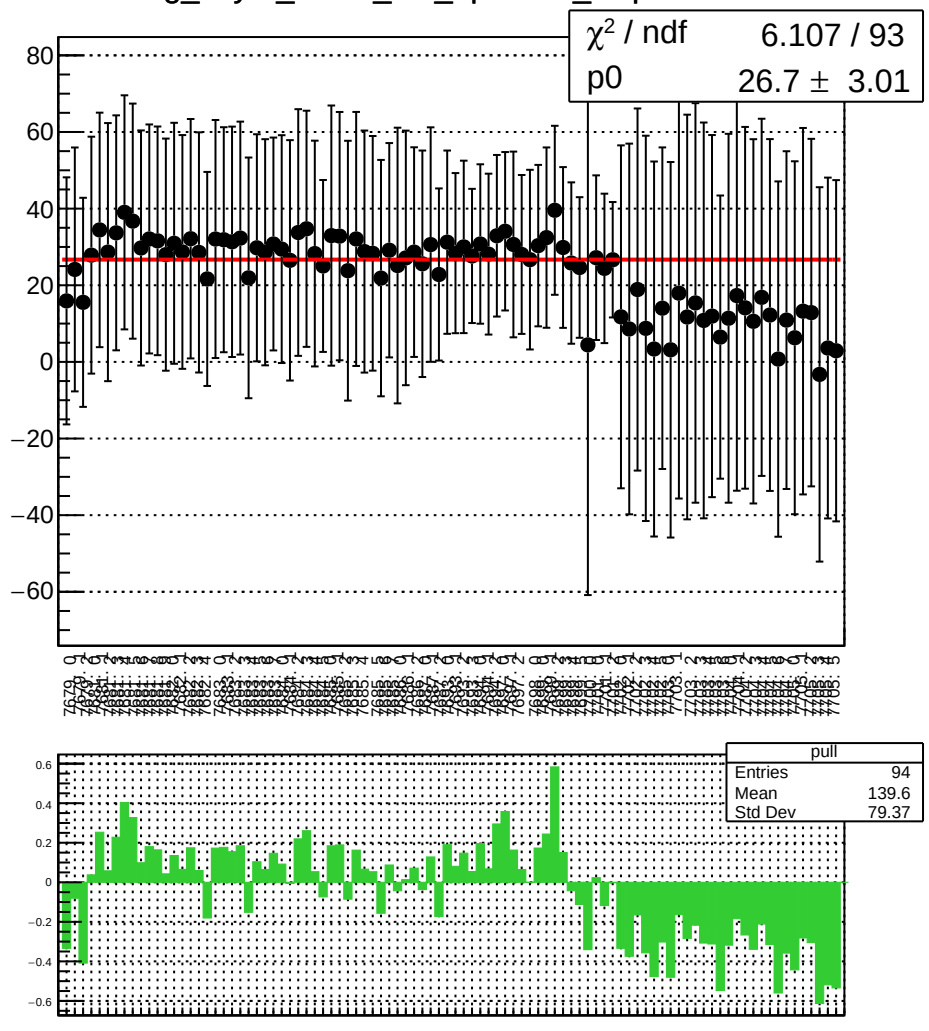

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 75.12 / 93
p0 −13.21 ± 1.44
pull
Entries 94
Mean 101.6
Std Dev 38.26

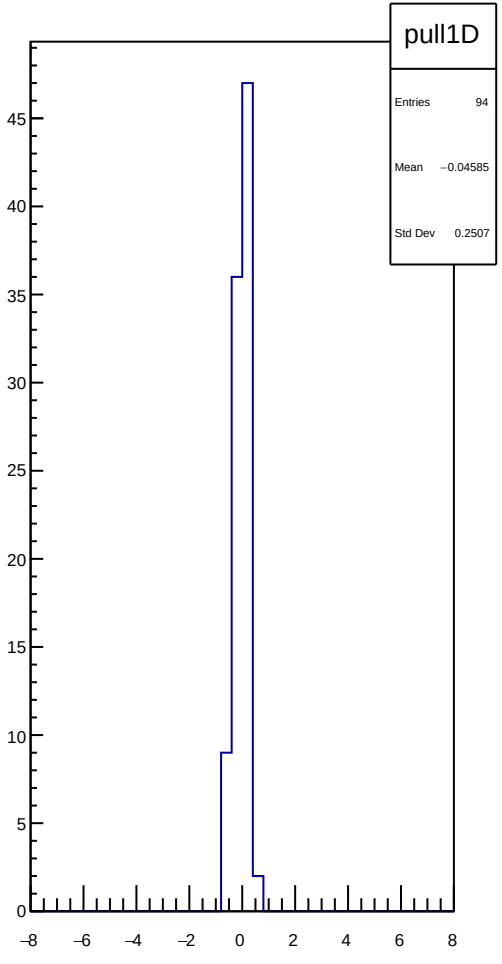

pull1D
Entries 94
Mean −0.3022
Std Dev 0.8413

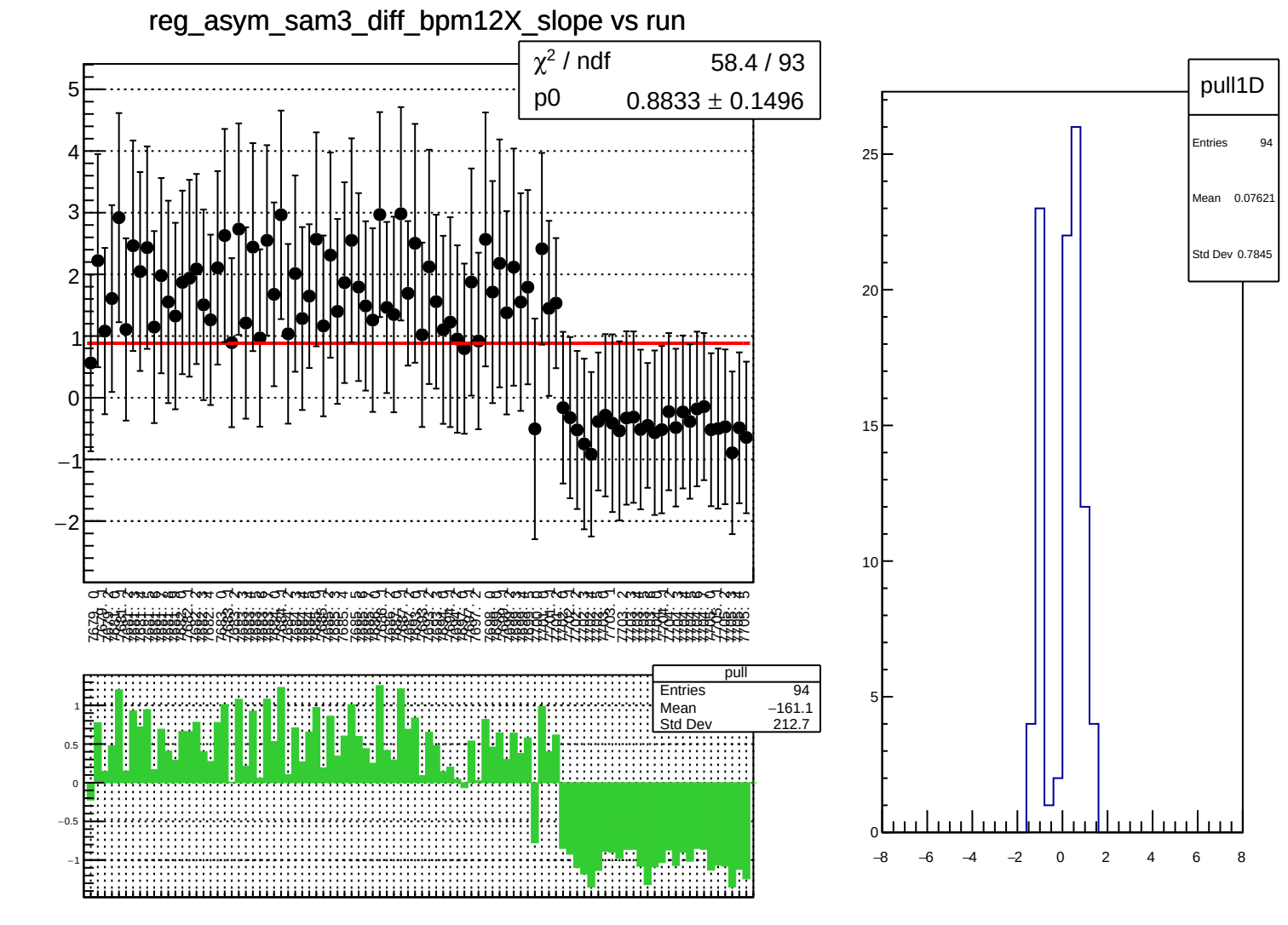

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 6.233 / 93
p0 −3.209 ± 2.026
pull
Entries 94
Mean 121.1
Std Dev 61.18
pull1D
Entries 94
Mean 0.06209
Std Dev 0.2499

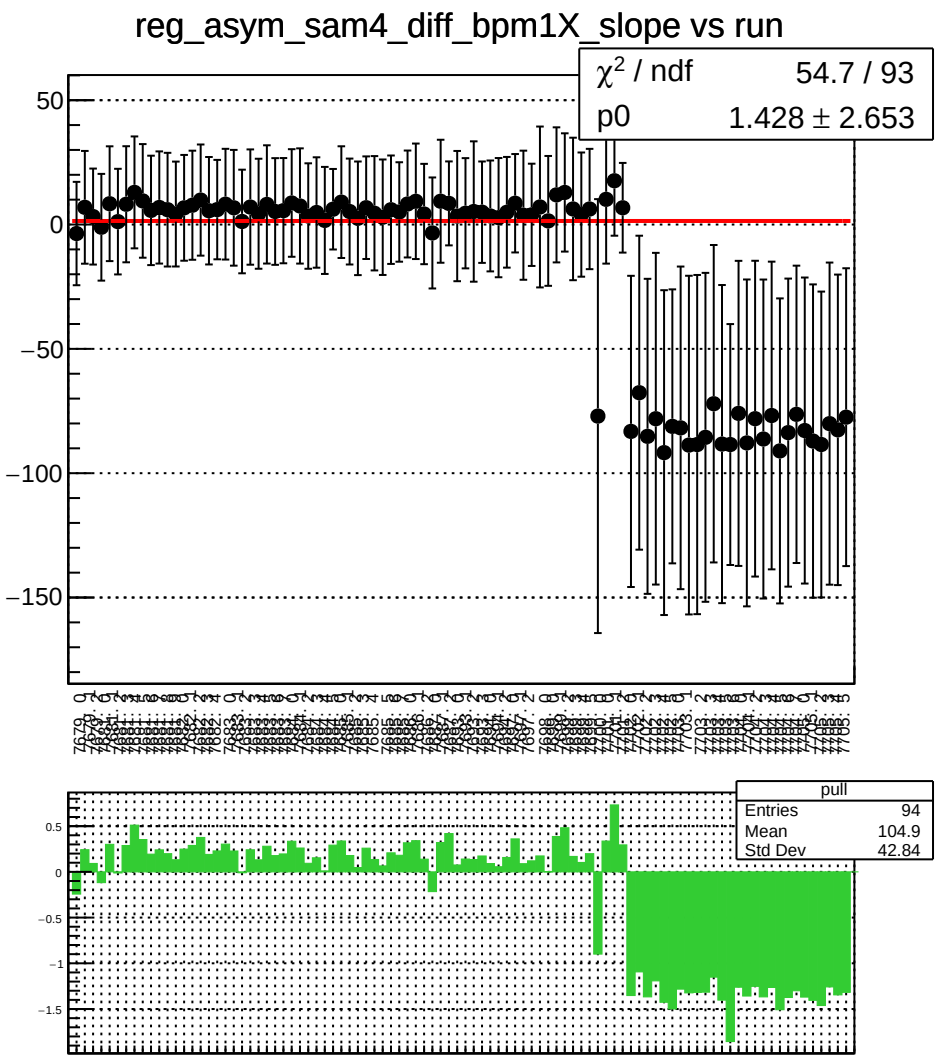

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 85.43 / 93
p0 −96.09 ± 1.16
pull
Entries 94
Mean 110.4
Std Dev 52.35

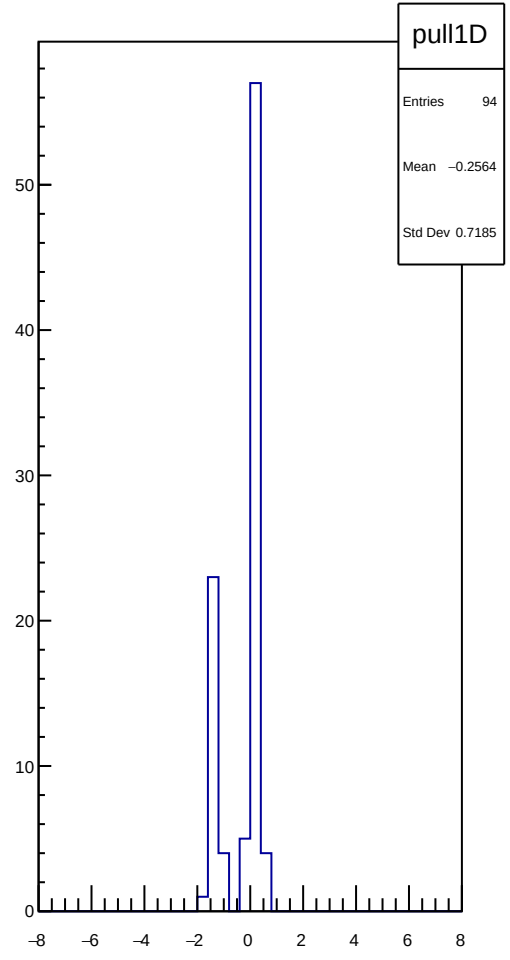

pull1D
Entries 94
Mean 0.3149
Std Dev 0.8998

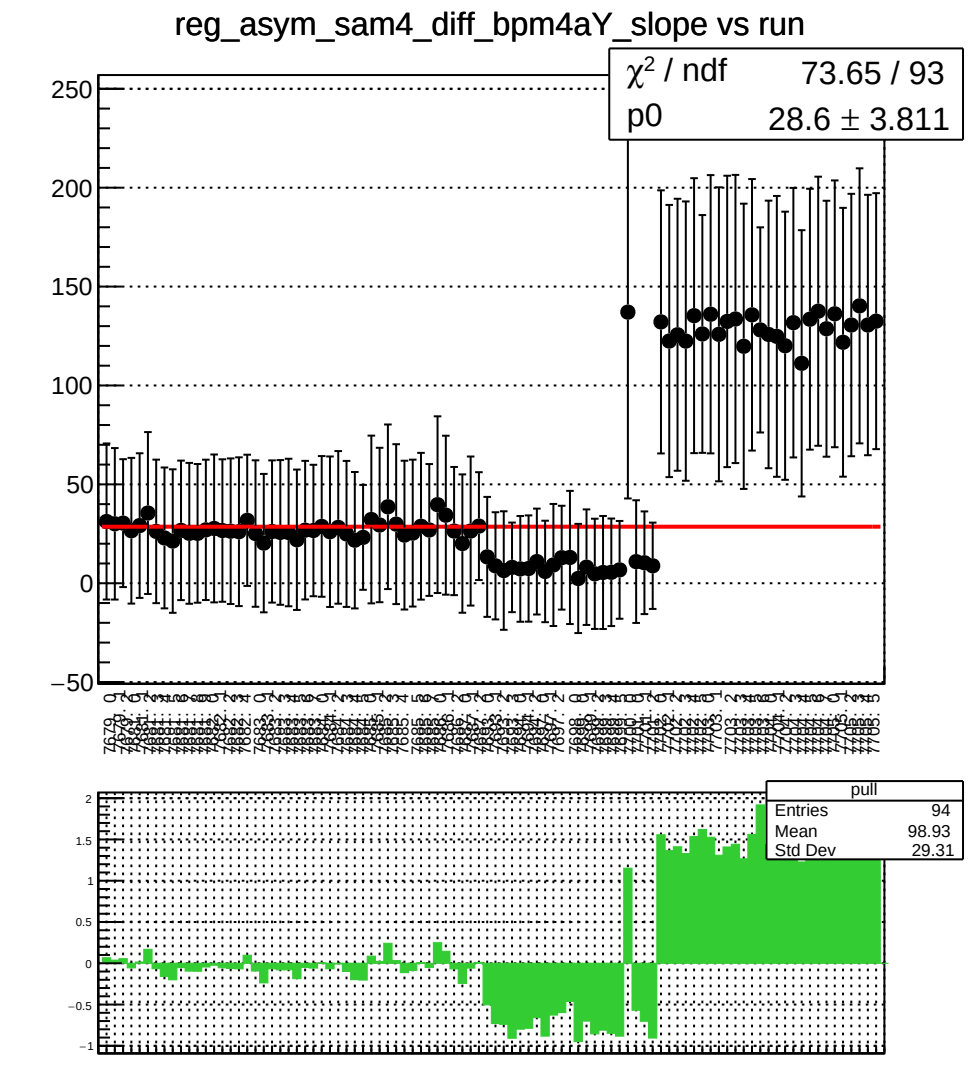

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 6.107 / 93
p0 26.7 ± 3.01
pull
Entries 94
Mean 139.6
Std Dev 79.37

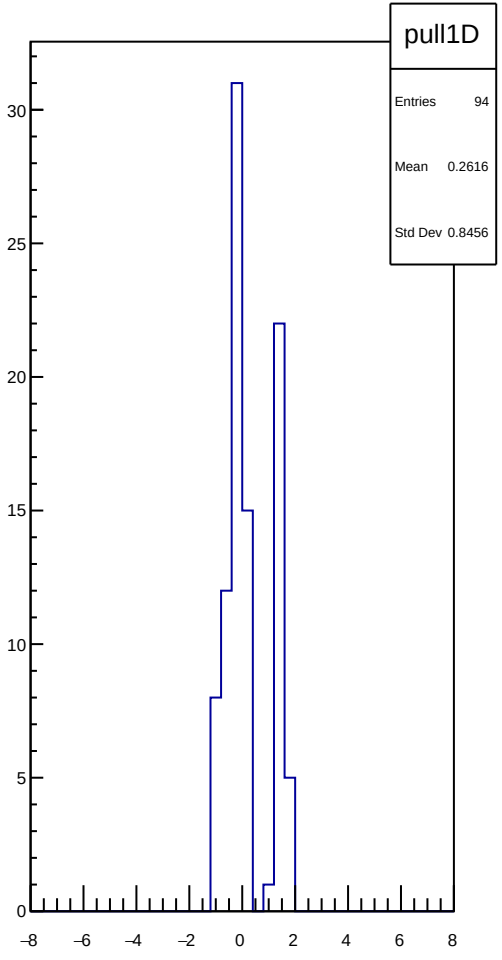

pull1D
Entries 94
Mean −0.04585
Std Dev 0.2507

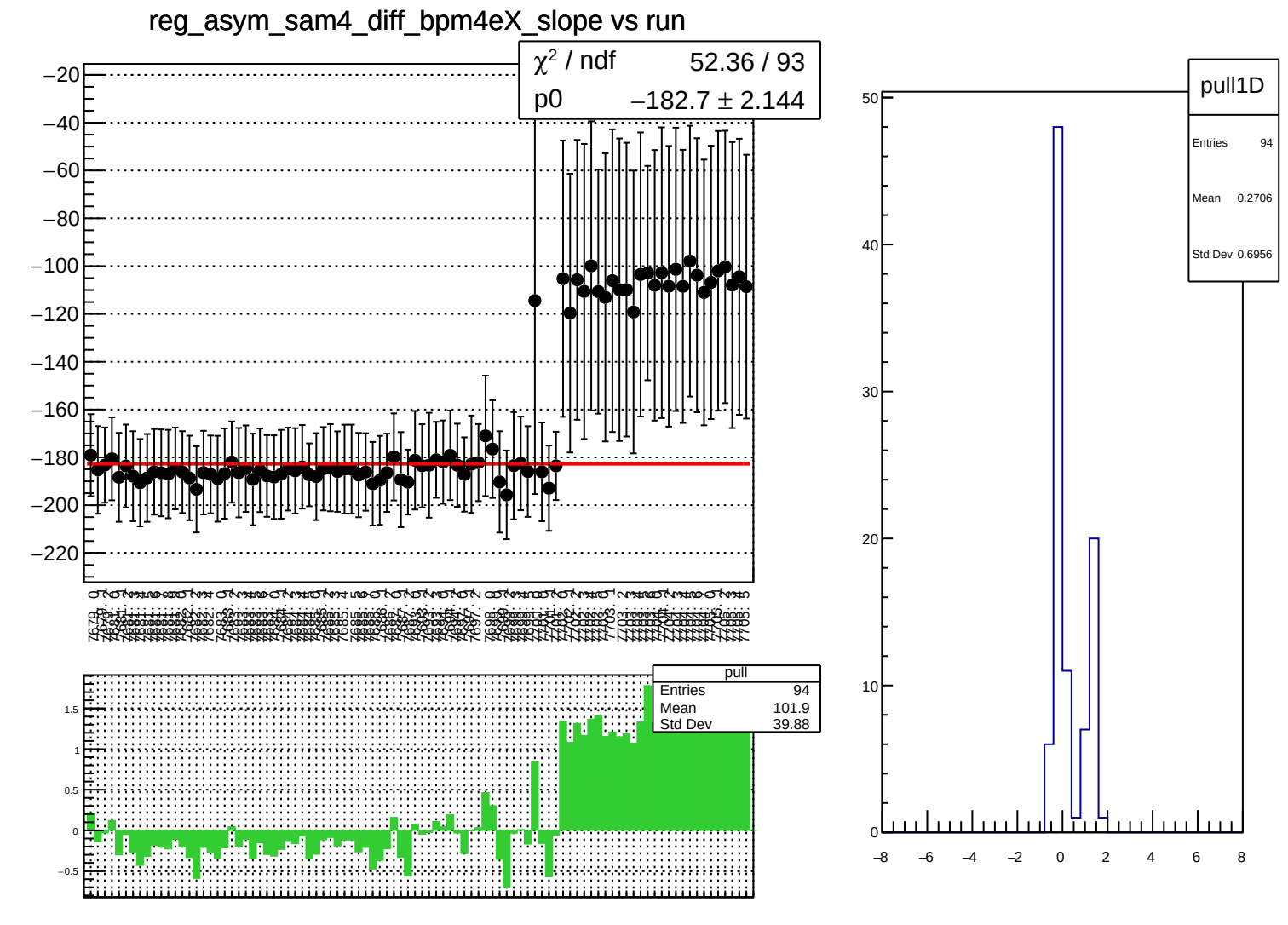

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 58.4 / 93
p0 0.8833 ± 0.1496
pull
Entries 94
Mean −161.1
Std Dev 212.7
pull1D
Entries 94
Mean 0.07621
Std Dev 0.7845

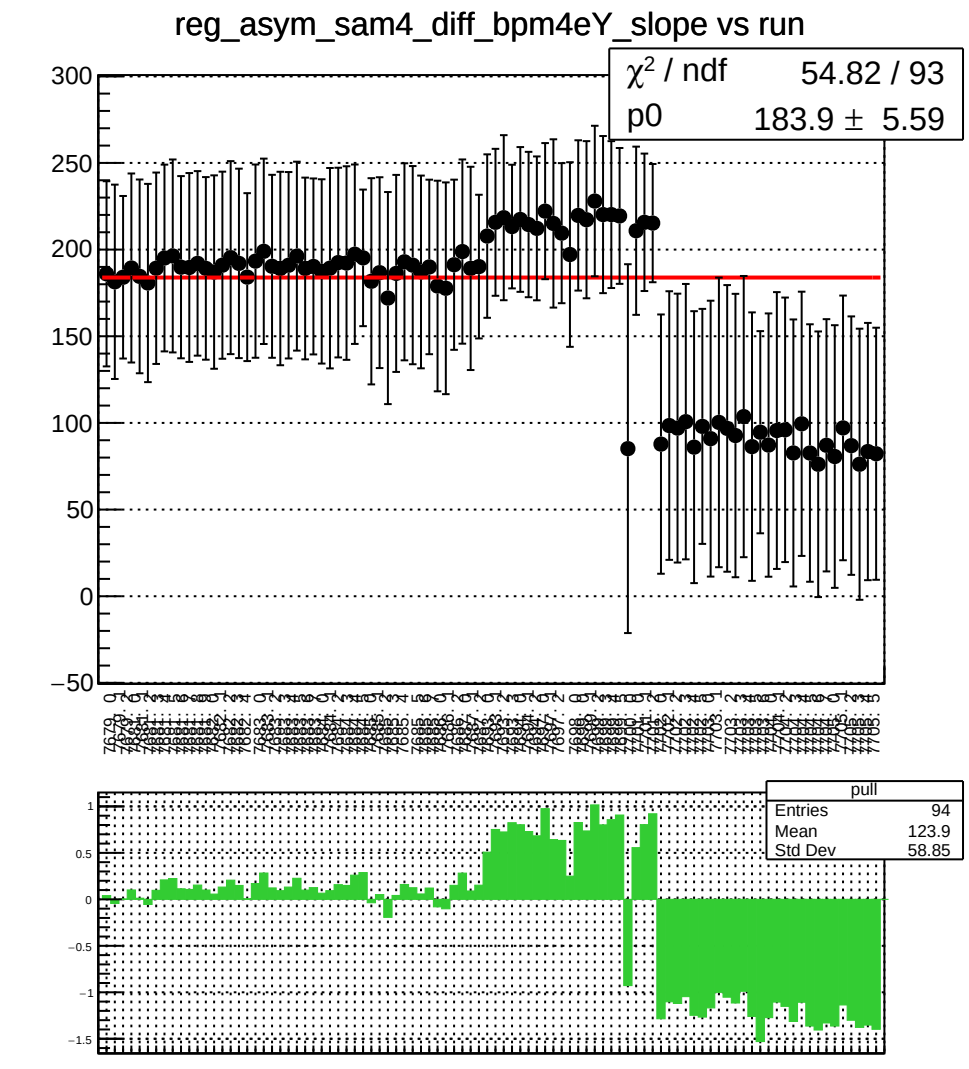

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 54.7 / 93
p0 1.428 ± 2.653
50
0
−50
−100
−150
pull
Entries 94
Mean 104.9
Std Dev 42.84
0.5
0
−0.5
−1
−1.5

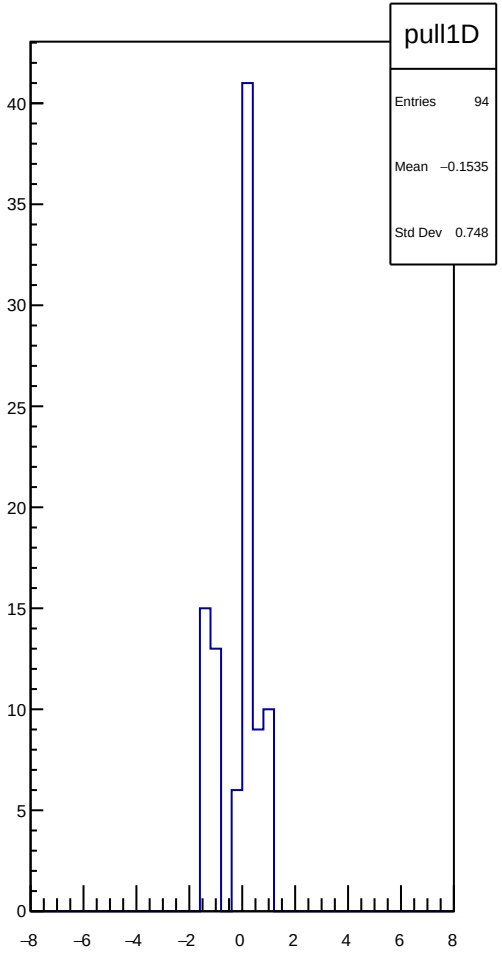

pull1D
Entries 94
Mean −0.2564
Std Dev 0.7185
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

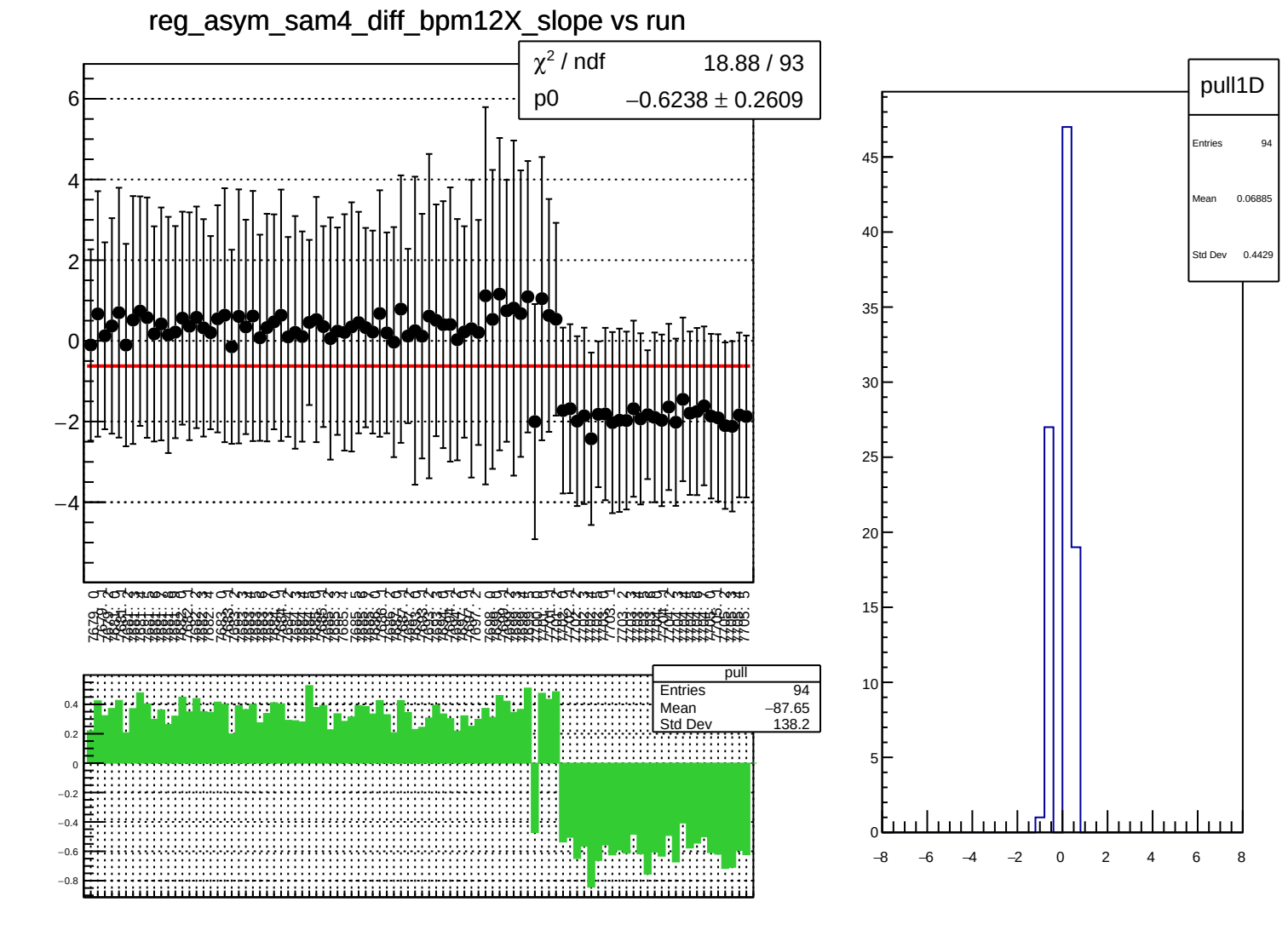

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 73.65 / 93
p0 28.6 ± 3.811
pull
Entries 94
Mean 98.93
Std Dev 29.31

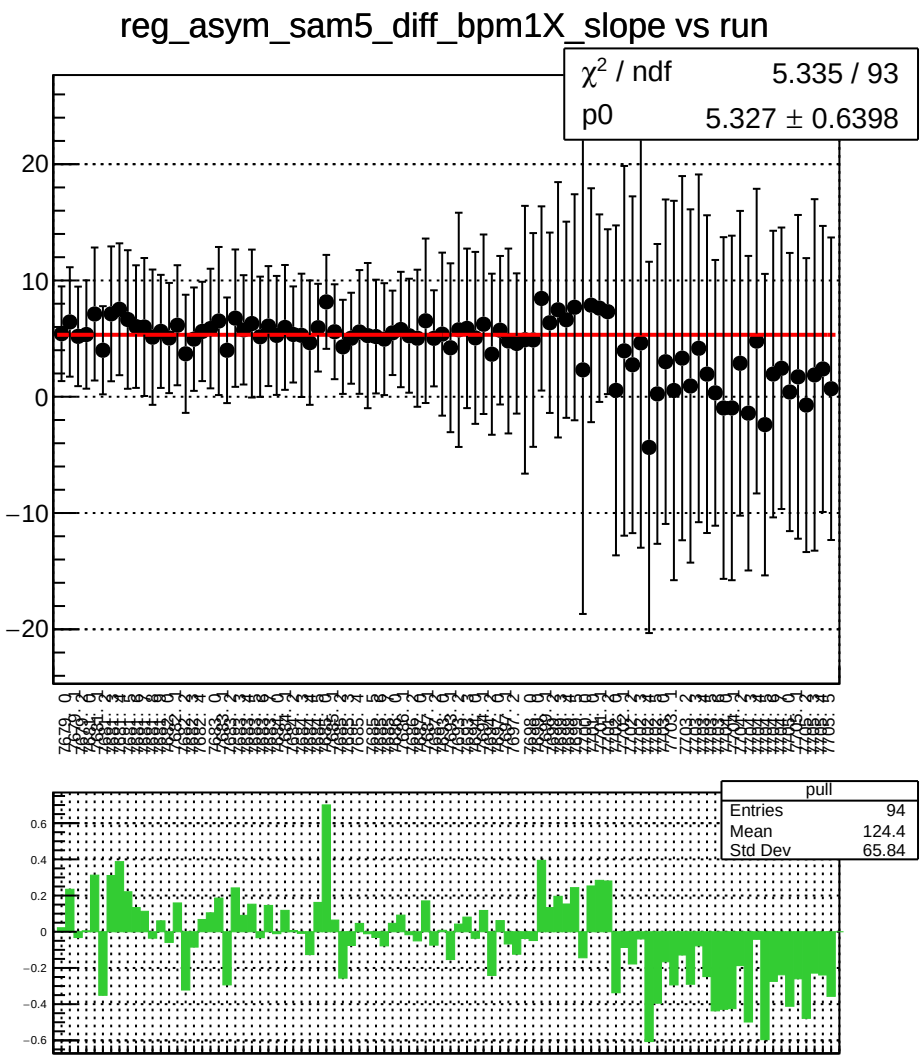

pull1D
Entries 94
Mean 0.2616
Std Dev 0.8456

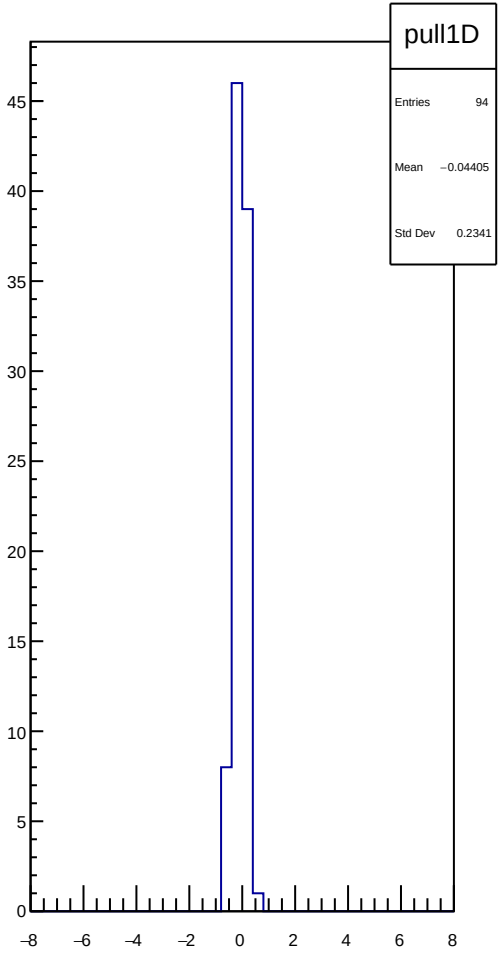

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 52.36 / 93
p0 −182.7 ± 2.144
pull
Entries 94
Mean 101.9
Std Dev 39.88
pull1D
Entries 94
Mean 0.2706
Std Dev 0.6956

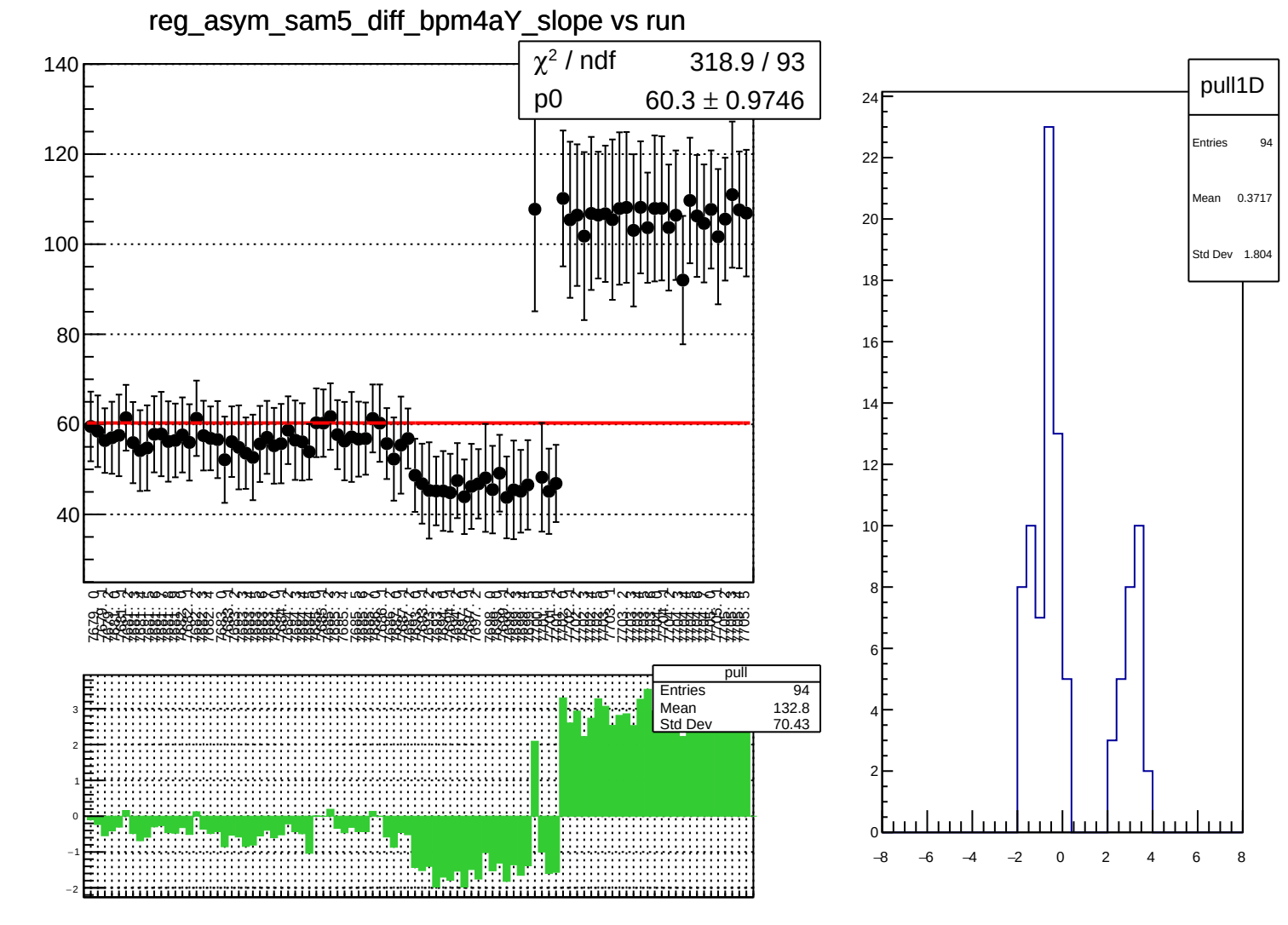

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 54.82 / 93
p0 183.9 ± 5.59
pull
Entries 94
Mean 123.9
Std Dev 58.85

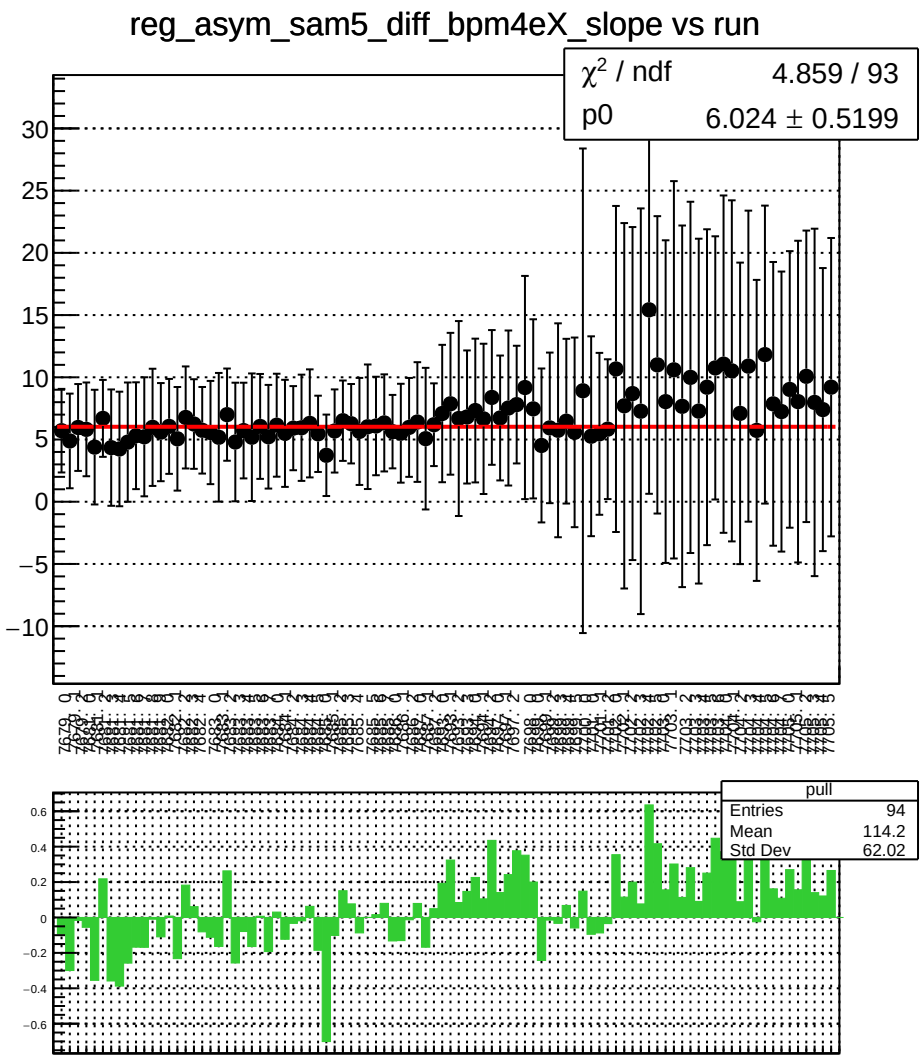

pull1D
Entries 94
Mean −0.1535
Std Dev 0.748

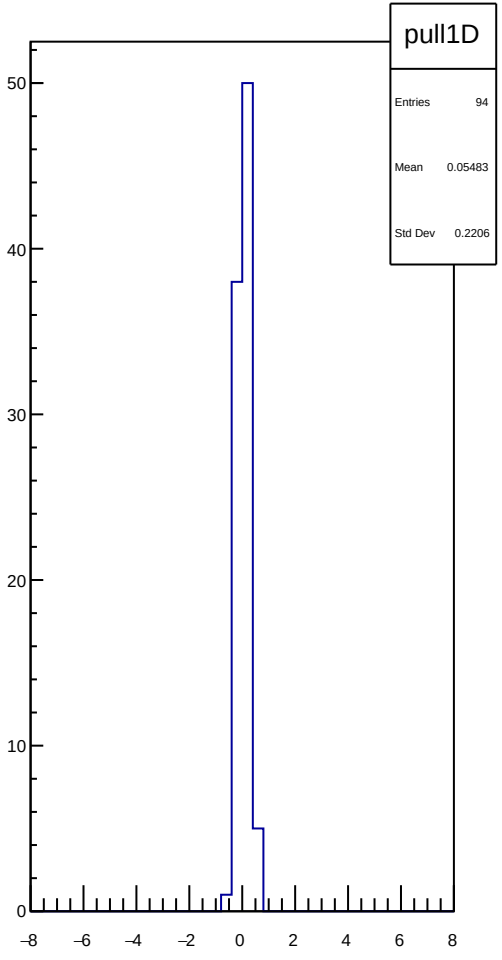

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 18.88 / 93
p0 −0.6238 ± 0.2609
pull
Entries 94
Mean −87.65
Std Dev 138.2
pull1D
Entries 94
Mean 0.06885
Std Dev 0.4429

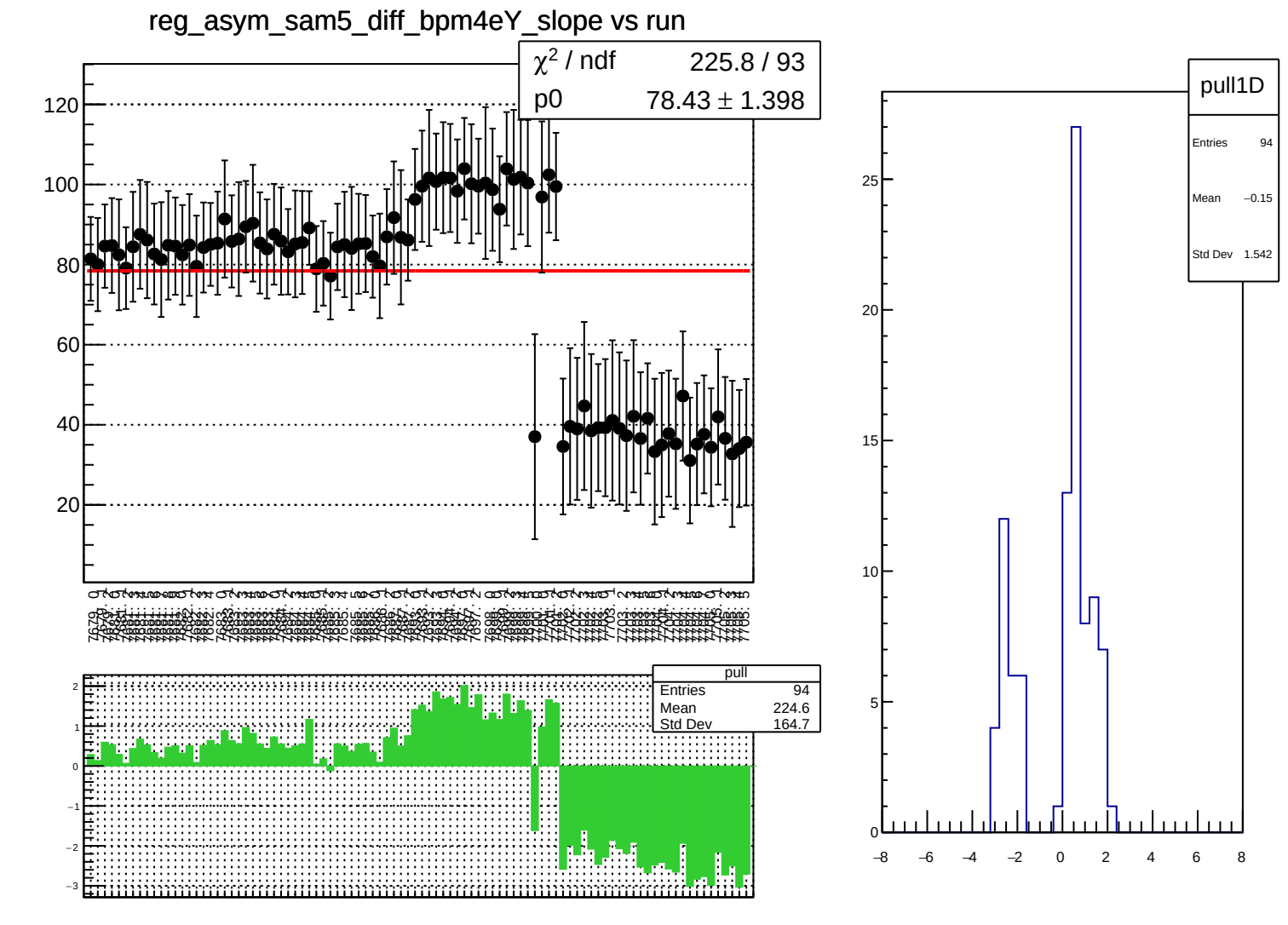

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 5.335 / 93
p0 5.327 ± 0.6398
20
10
0
−10
−20
pull
Entries 94
Mean 124.4
Std Dev 65.84
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

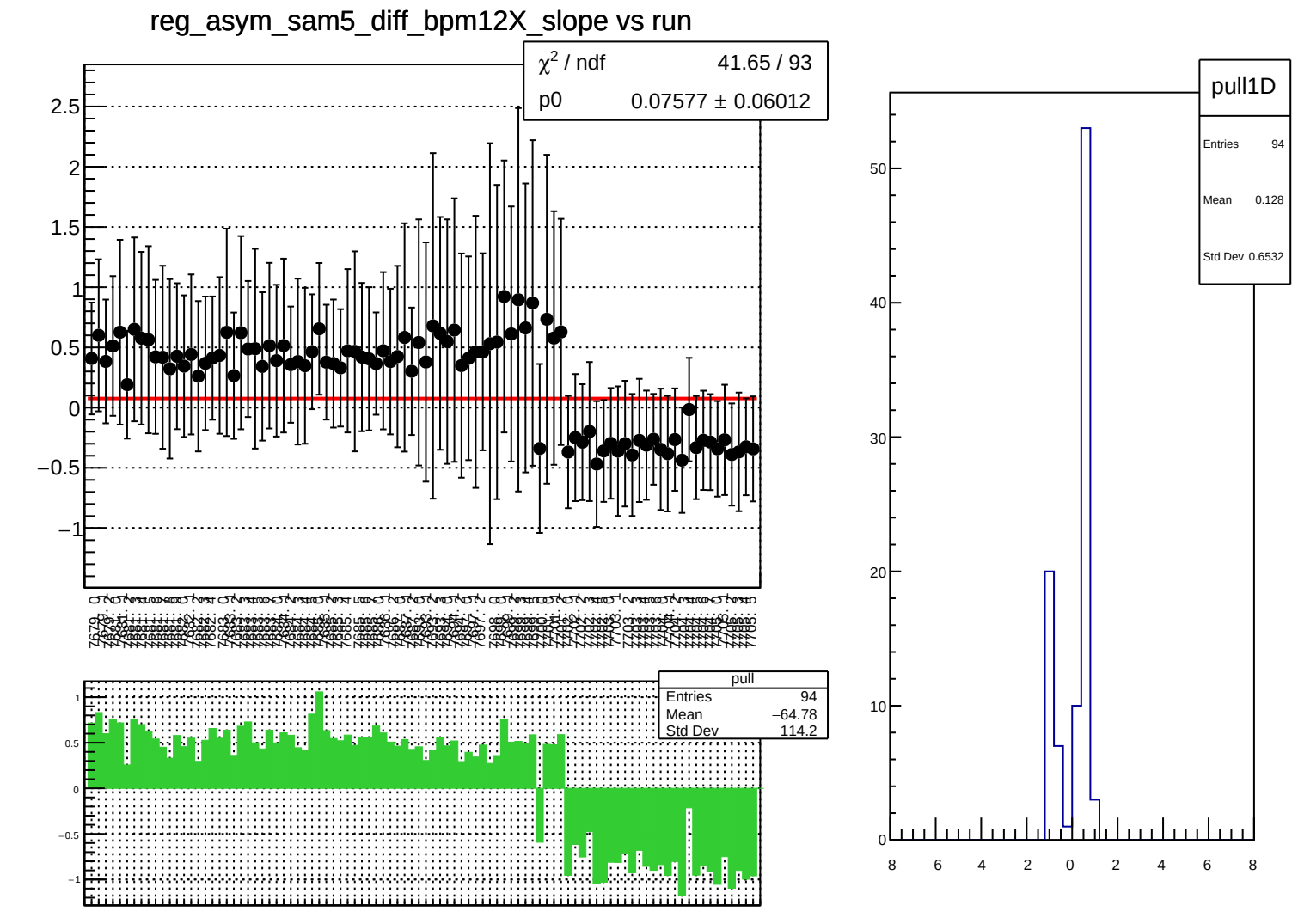

pull1D
Entries 94
Mean −0.04405
Std Dev 0.2341
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

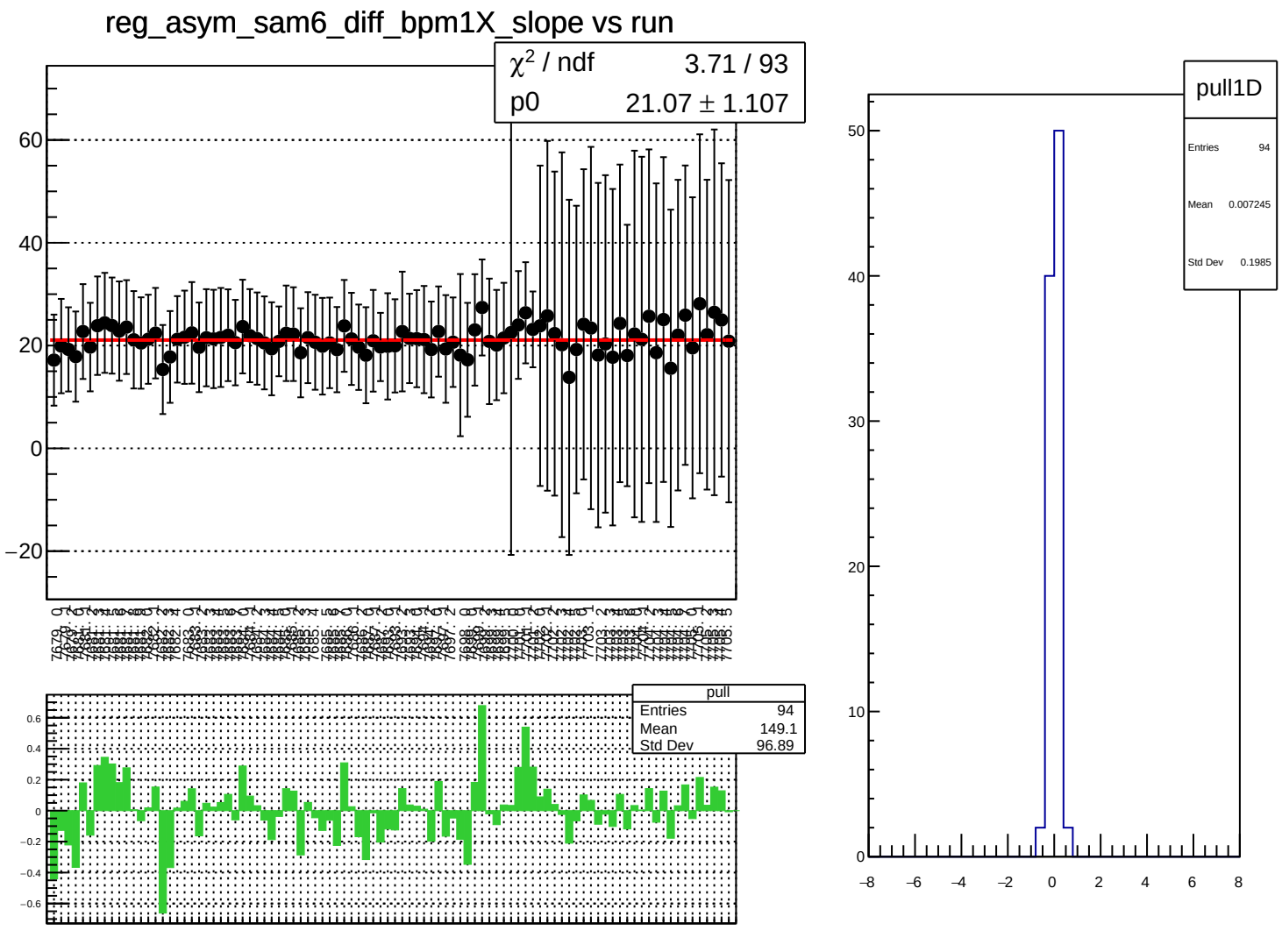

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 318.9 / 93
p0 60.3 ± 0.9746
pull
Entries 94
Mean 132.8
Std Dev 70.43
pull1D
Entries 94
Mean 0.3717
Std Dev 1.804

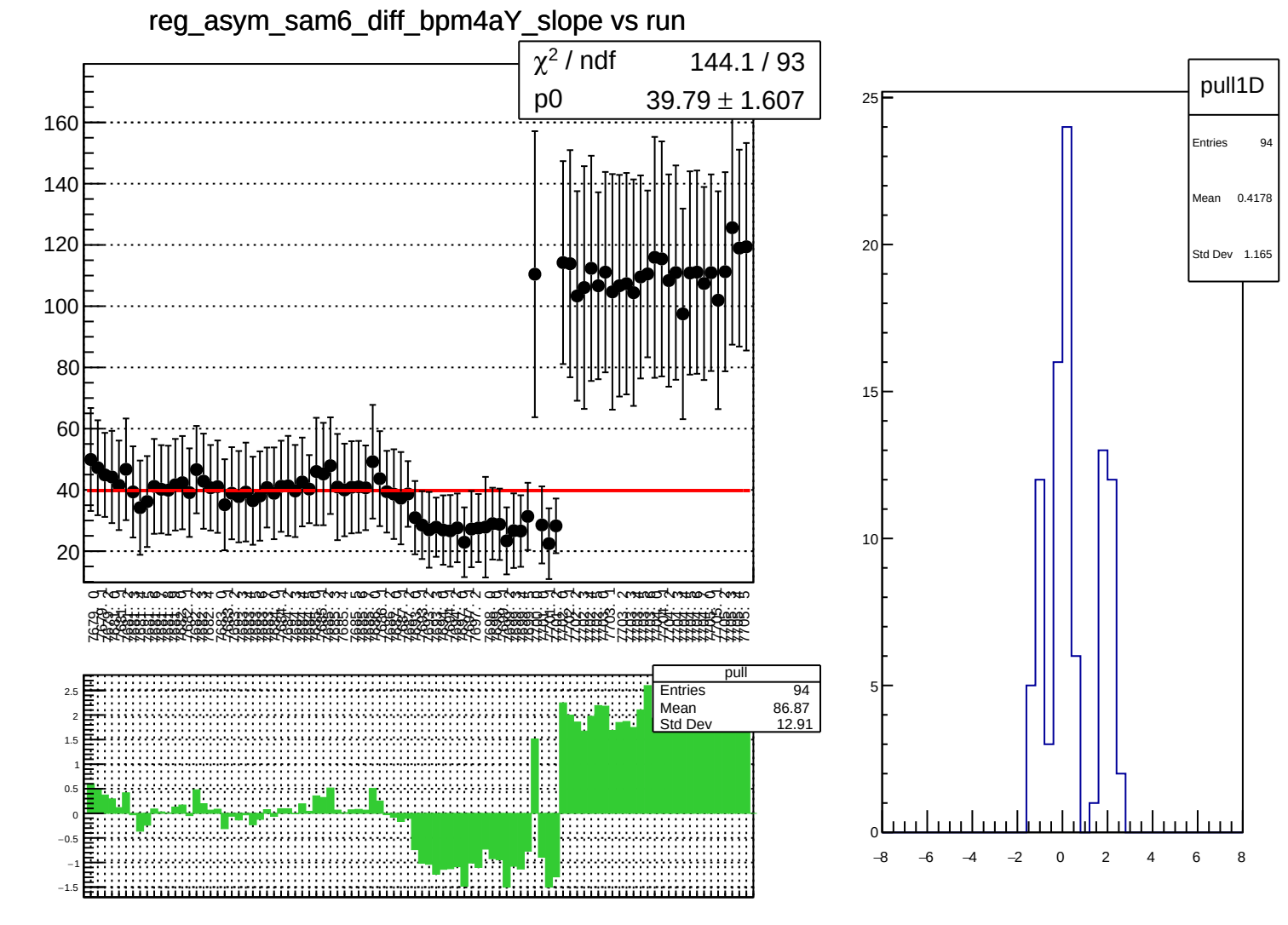

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 4.859 / 93
p0 6.024 ± 0.5199
pull
Entries 94
Mean 114.2
Std Dev 62.02

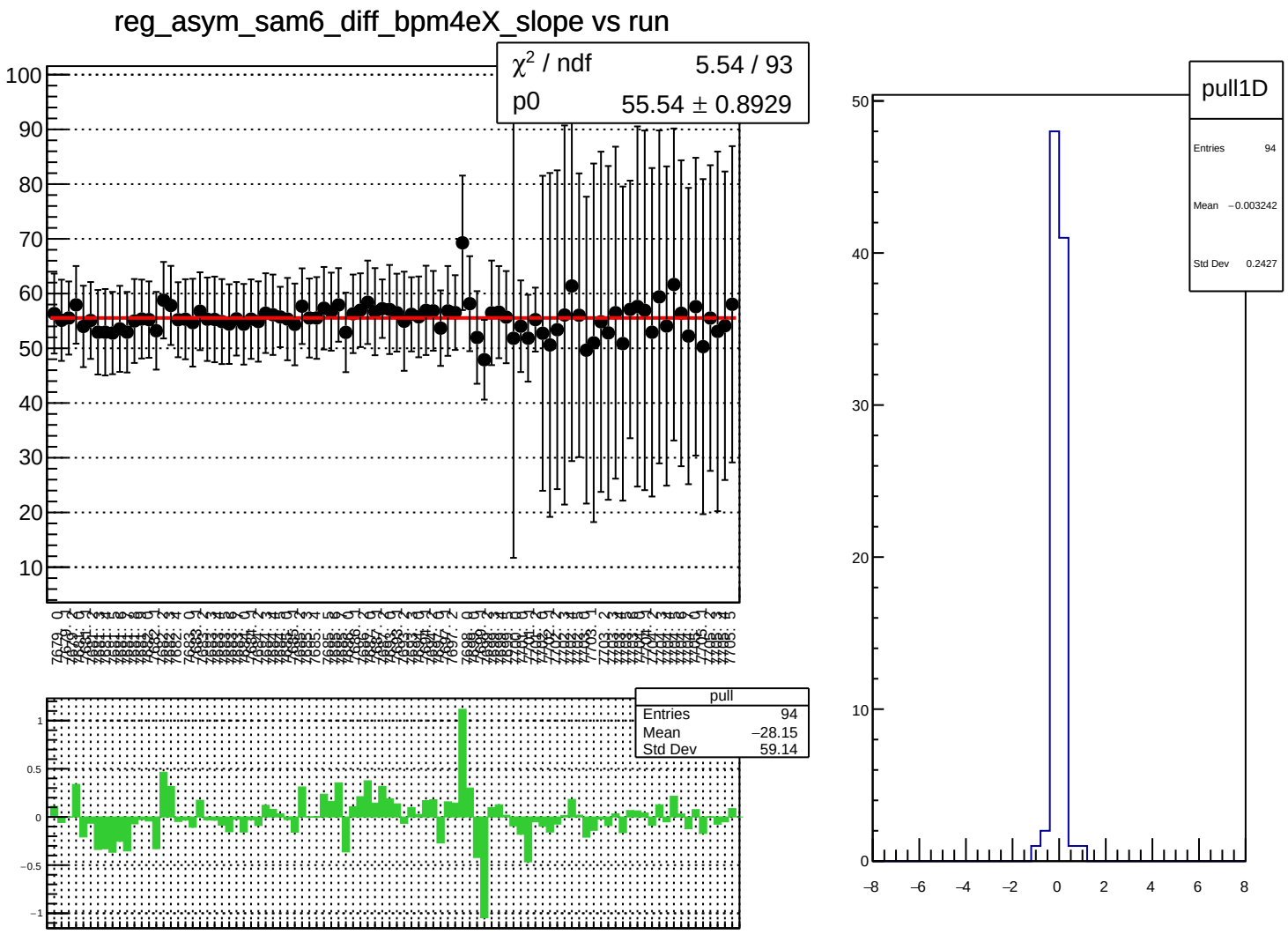

pull1D
Entries 94
Mean 0.05483
Std Dev 0.2206

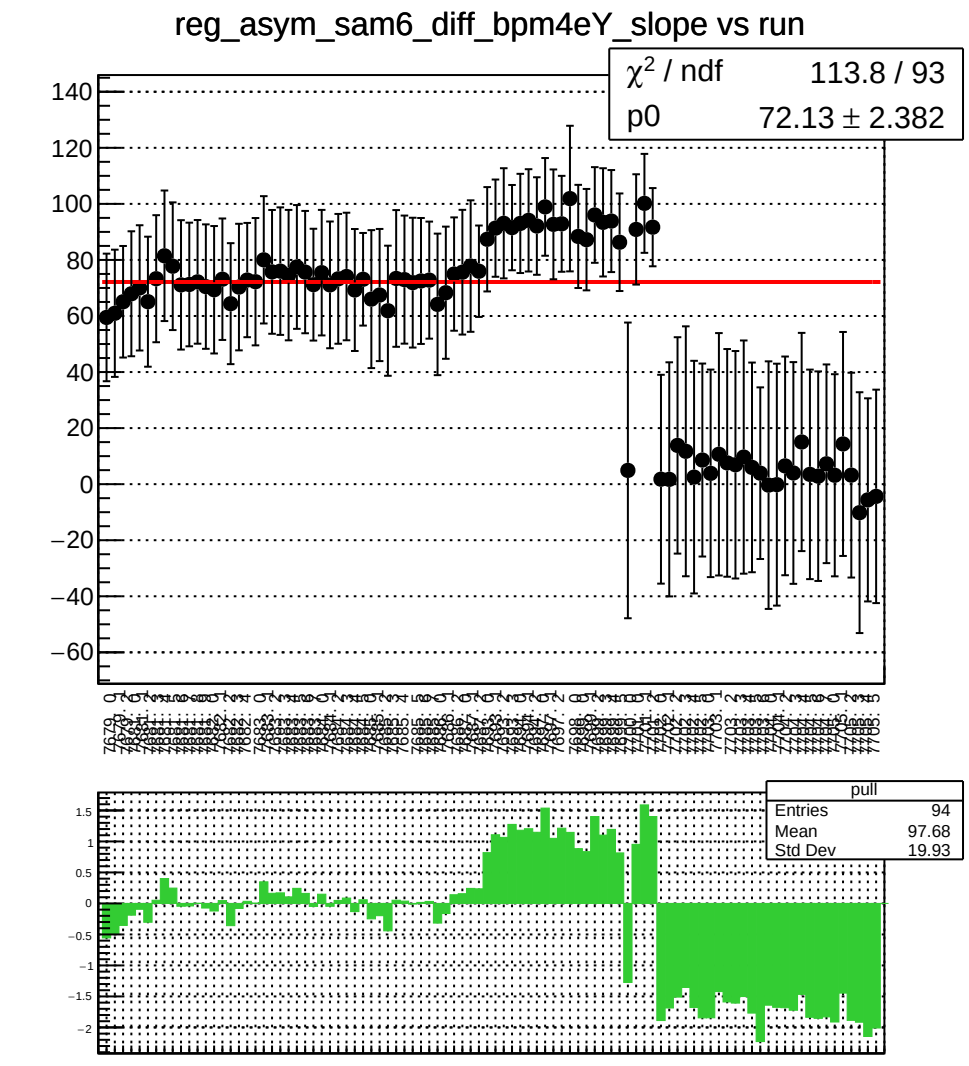

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 225.8 / 93
p0 78.43 ± 1.398
pull
Entries 94
Mean 224.6
Std Dev 164.7
pull1D
Entries 94
Mean −0.15
Std Dev 1.542

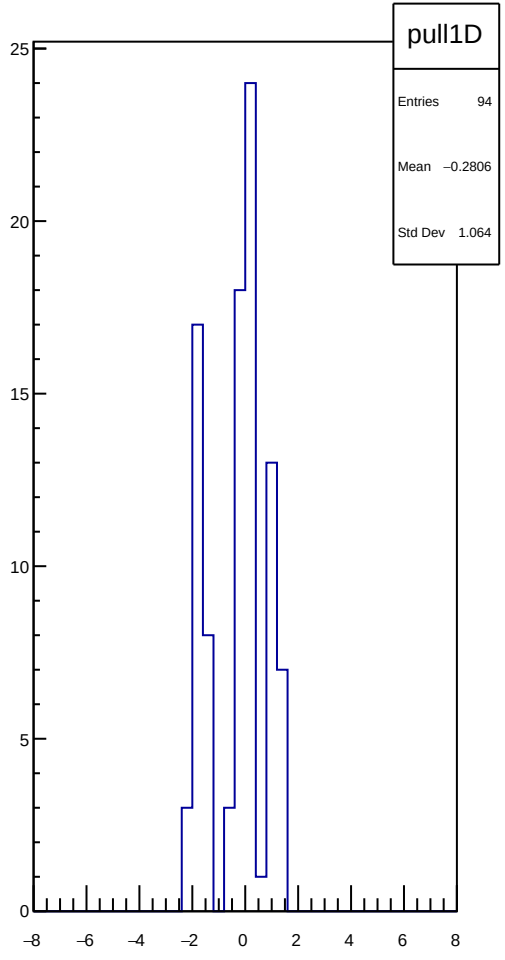

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 41.65 / 93
p0 0.07577 ± 0.06012
pull
Entries 94
Mean −64.78
Std Dev 114.2
pull1D
Entries 94
Mean 0.128
Std Dev 0.6532

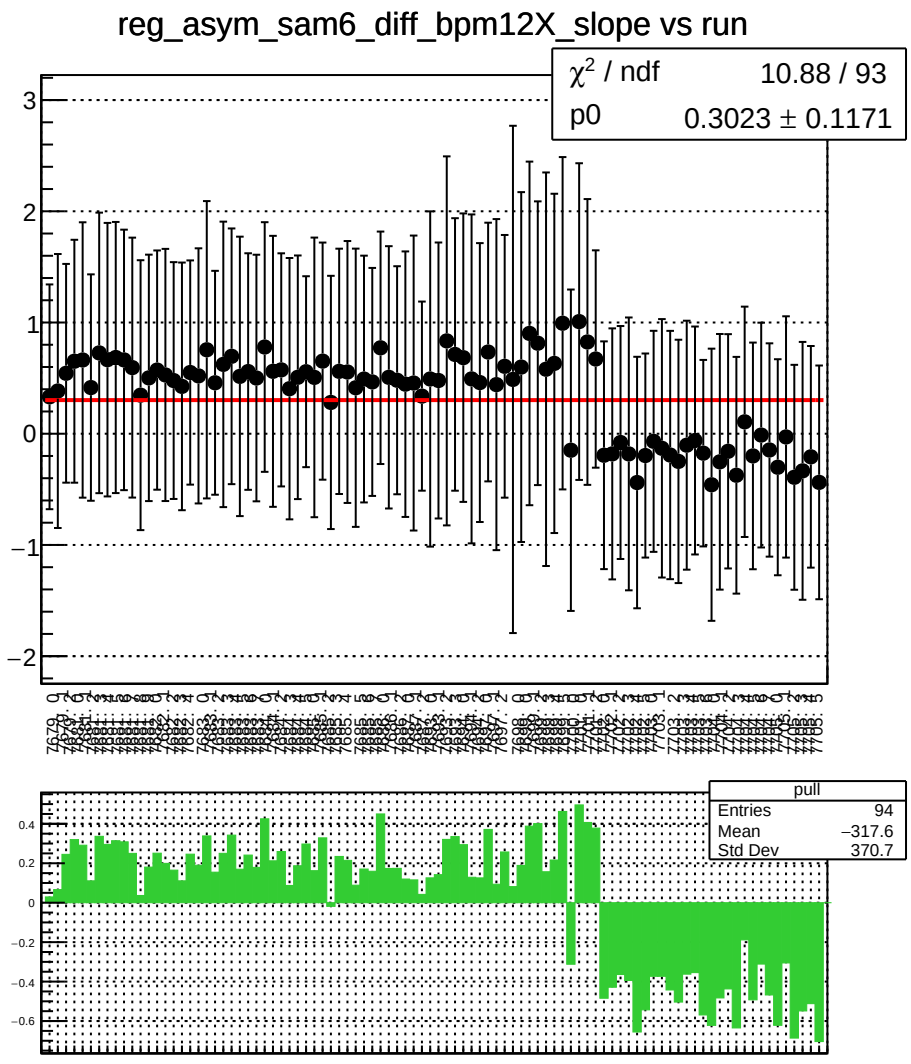

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.71 / 93
p0 21.07 ± 1.107
pull
Entries 94
Mean 149.1
Std Dev 96.89
pull1D
Entries 94
Mean 0.007245
Std Dev 0.1985

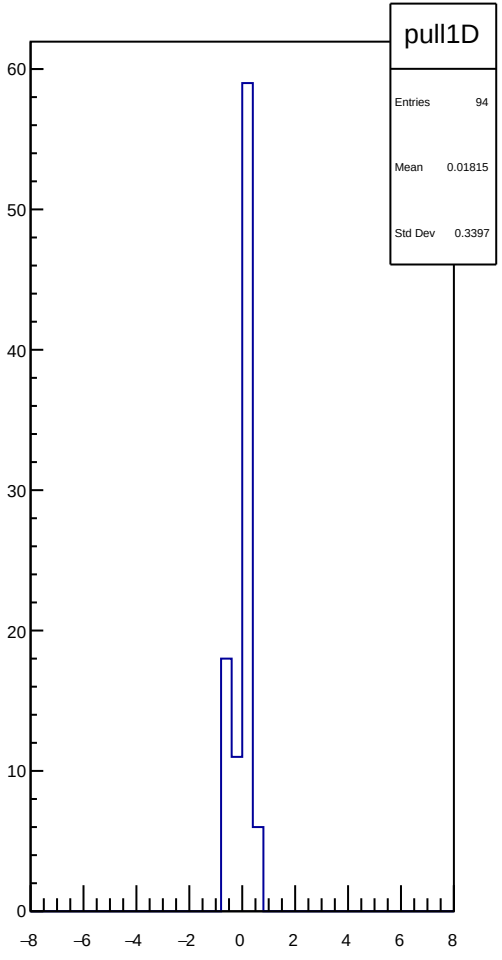

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 144.1 / 93
p0 39.79 ± 1.607
pull
Entries 94
Mean 86.87
Std Dev 12.91
pull1D
Entries 94
Mean 0.4178
Std Dev 1.165

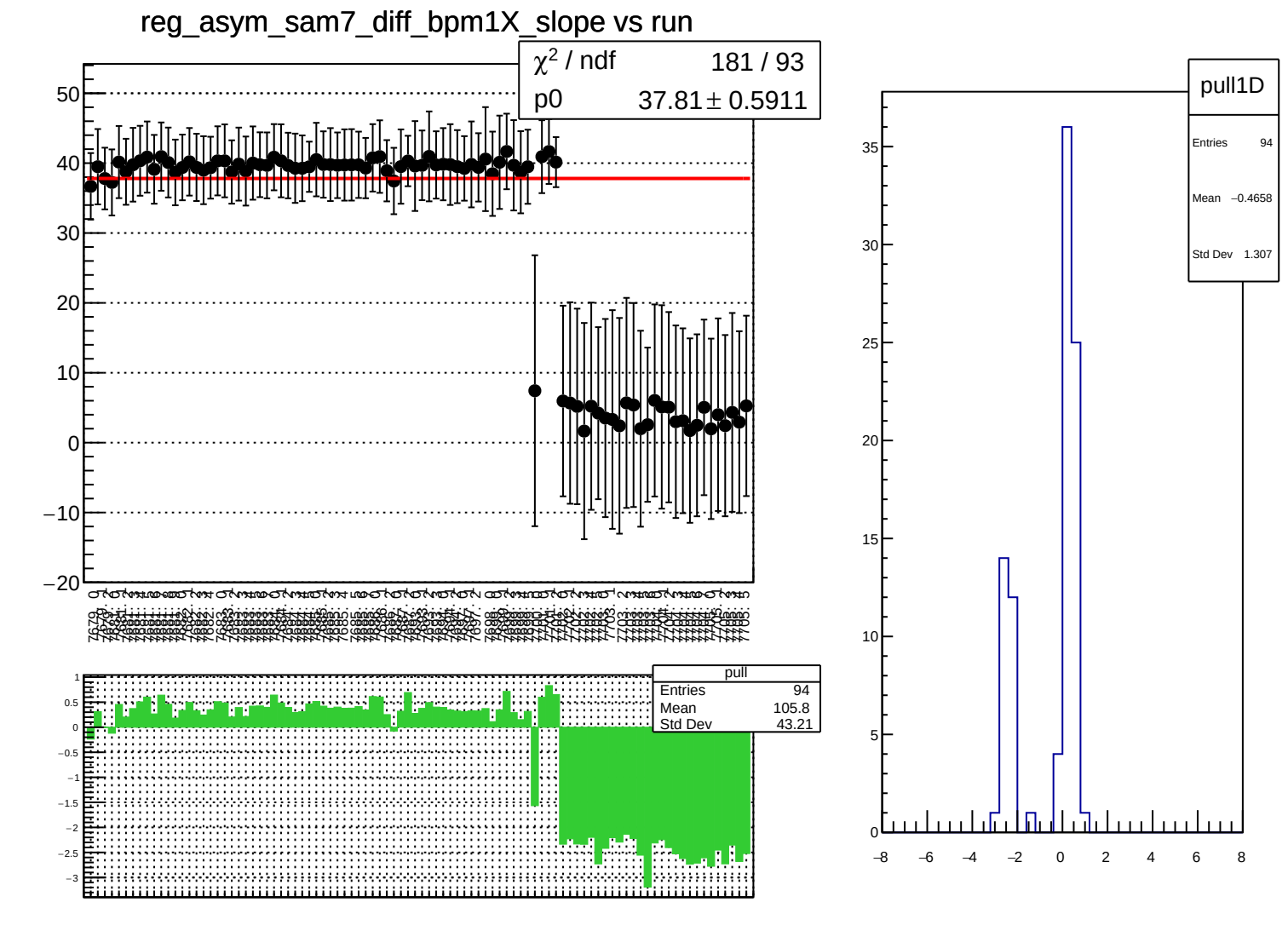

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.54 / 93
p0 55.54 ± 0.8929
pull
Entries 94
Mean −28.15
Std Dev 59.14
pull1D
Entries 94
Mean −0.003242
Std Dev 0.2427

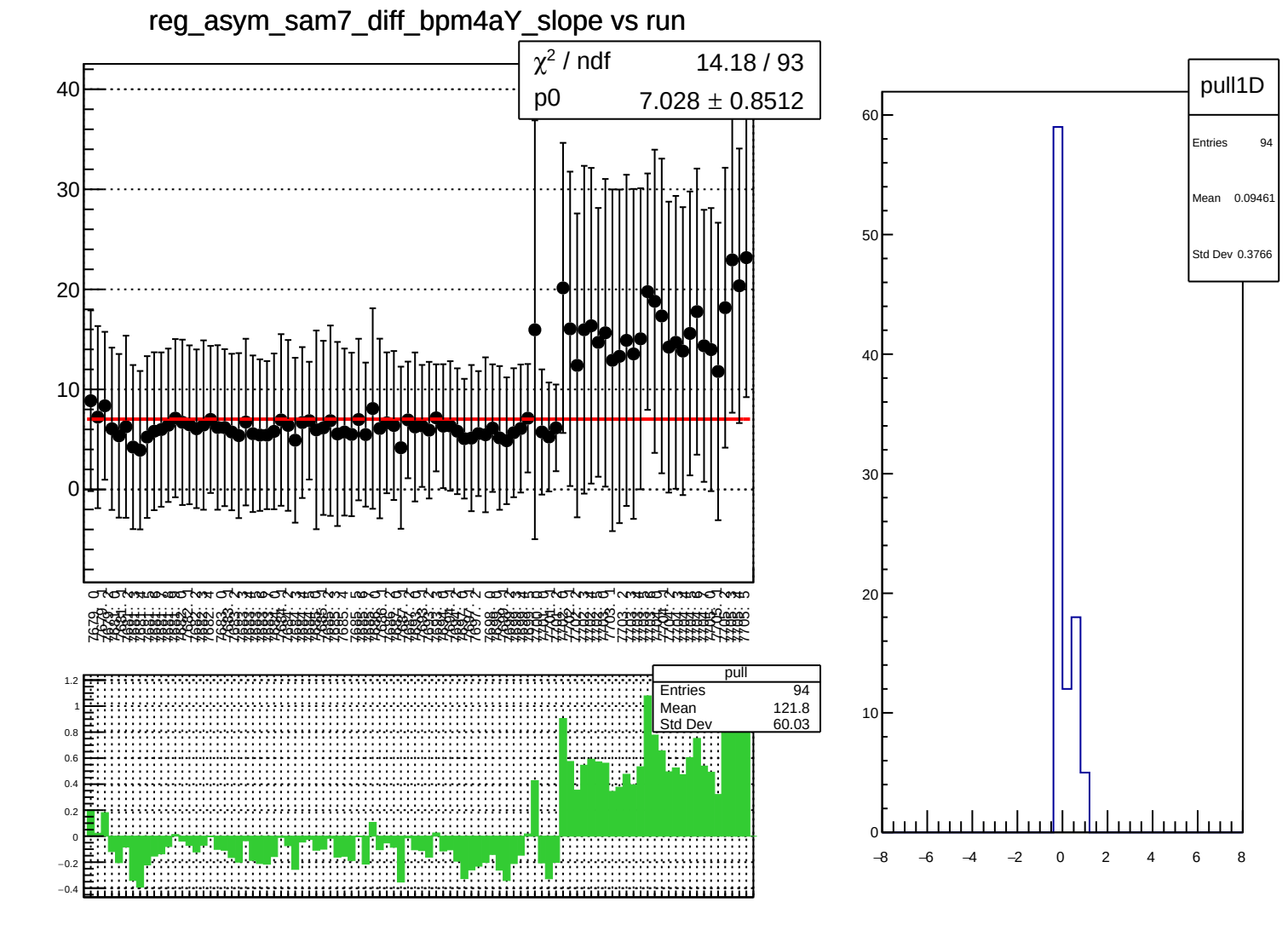

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 113.8 / 93
p0 72.13 ± 2.382
pull
Entries 94
Mean 97.68
Std Dev 19.93

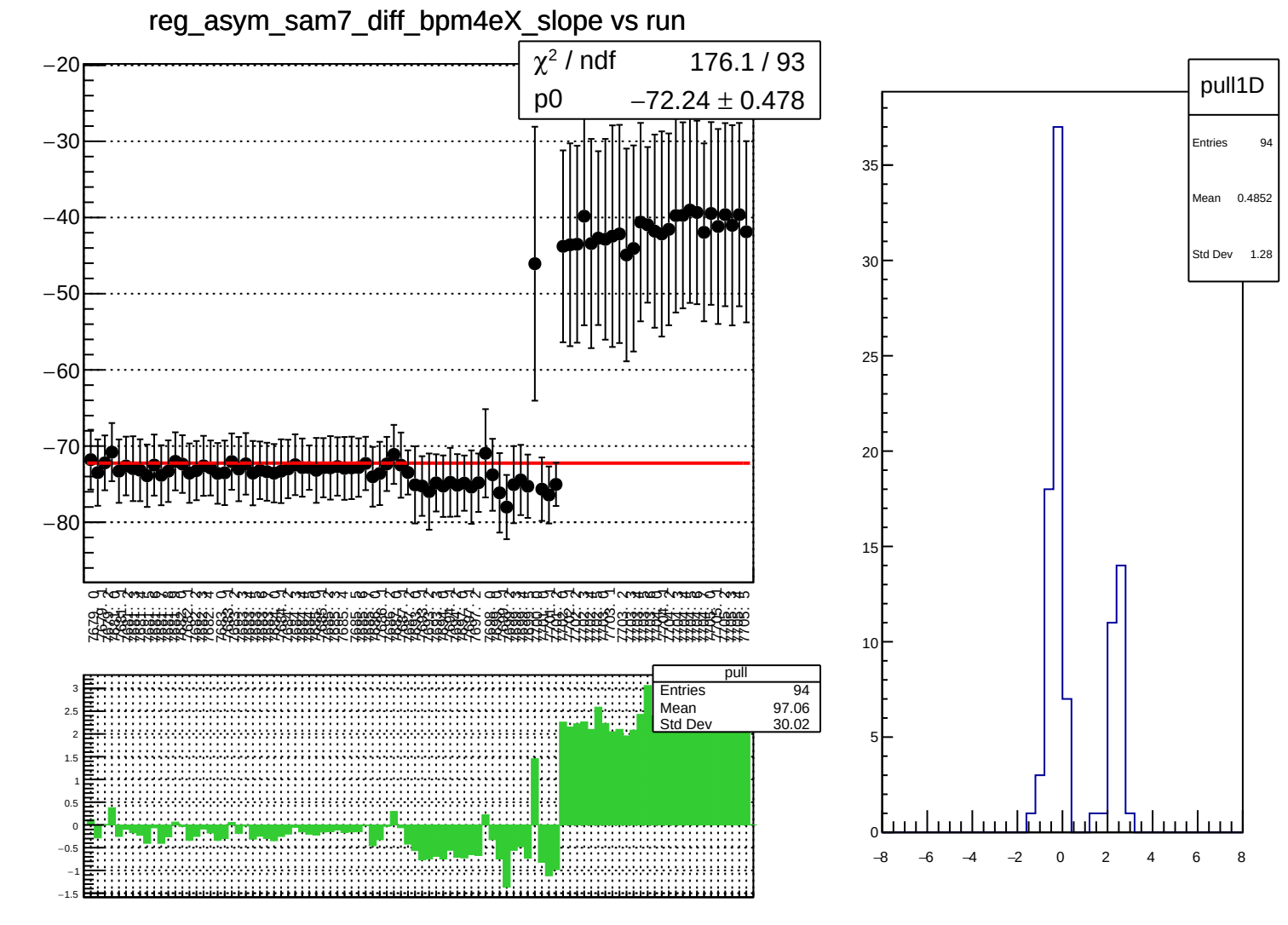

pull1D
Entries 94
Mean −0.2806
Std Dev 1.064

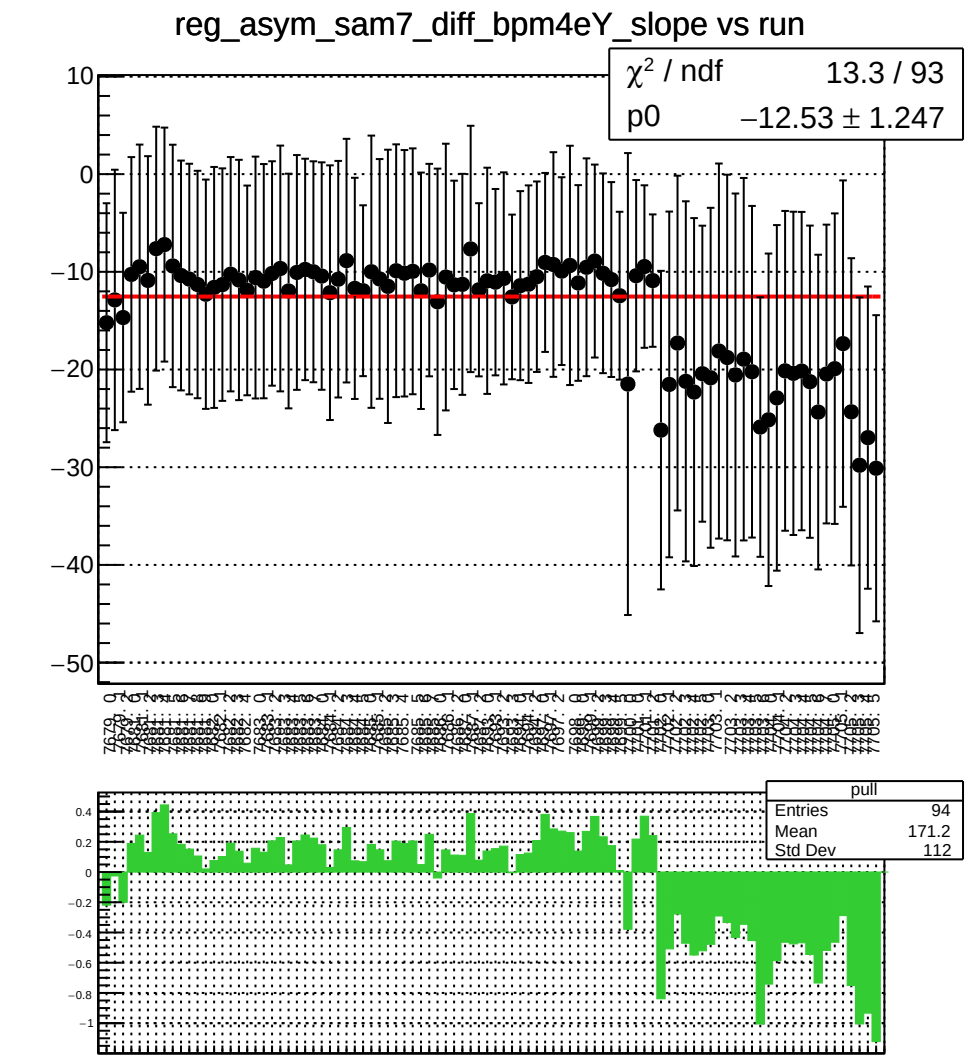

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 10.88 / 93
p0 0.3023 ± 0.1171
pull
Entries 94
Mean −317.6
Std Dev 370.7

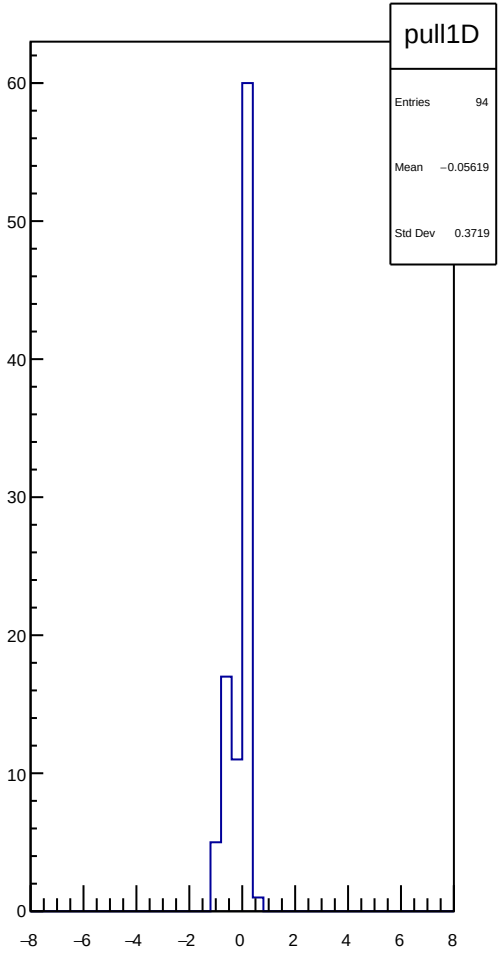

pull1D
Entries 94
Mean 0.01815
Std Dev 0.3397

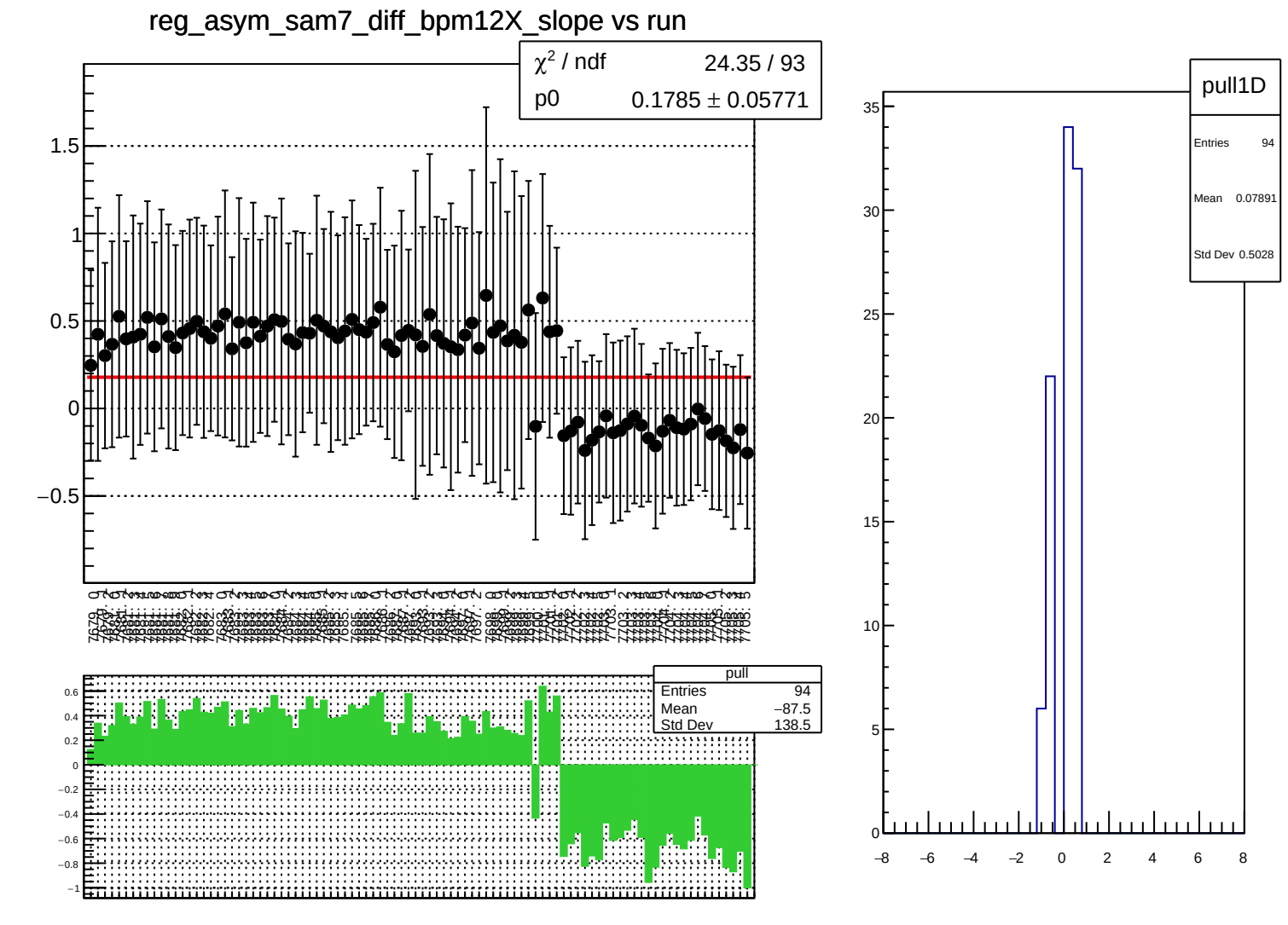

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 181 / 93
p0 37.81 ± 0.5911
pull
Entries 94
Mean 105.8
Std Dev 43.21
pull1D
Entries 94
Mean −0.4658
Std Dev 1.307

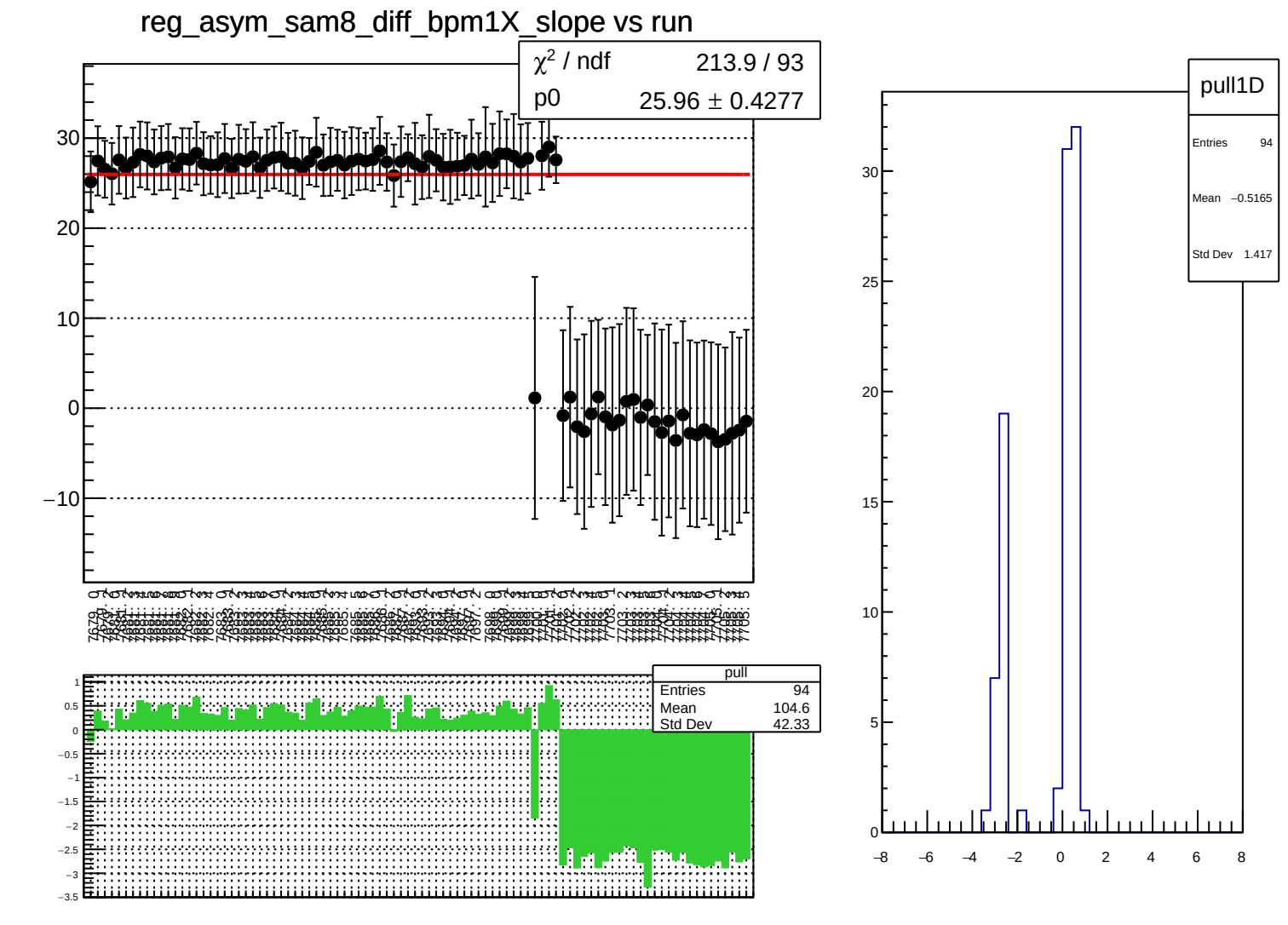

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 14.18 / 93
p0 7.028 ± 0.8512
pull
Entries 94
Mean 121.8
Std Dev 60.03
pull1D
Entries 94
Mean 0.09461
Std Dev 0.3766

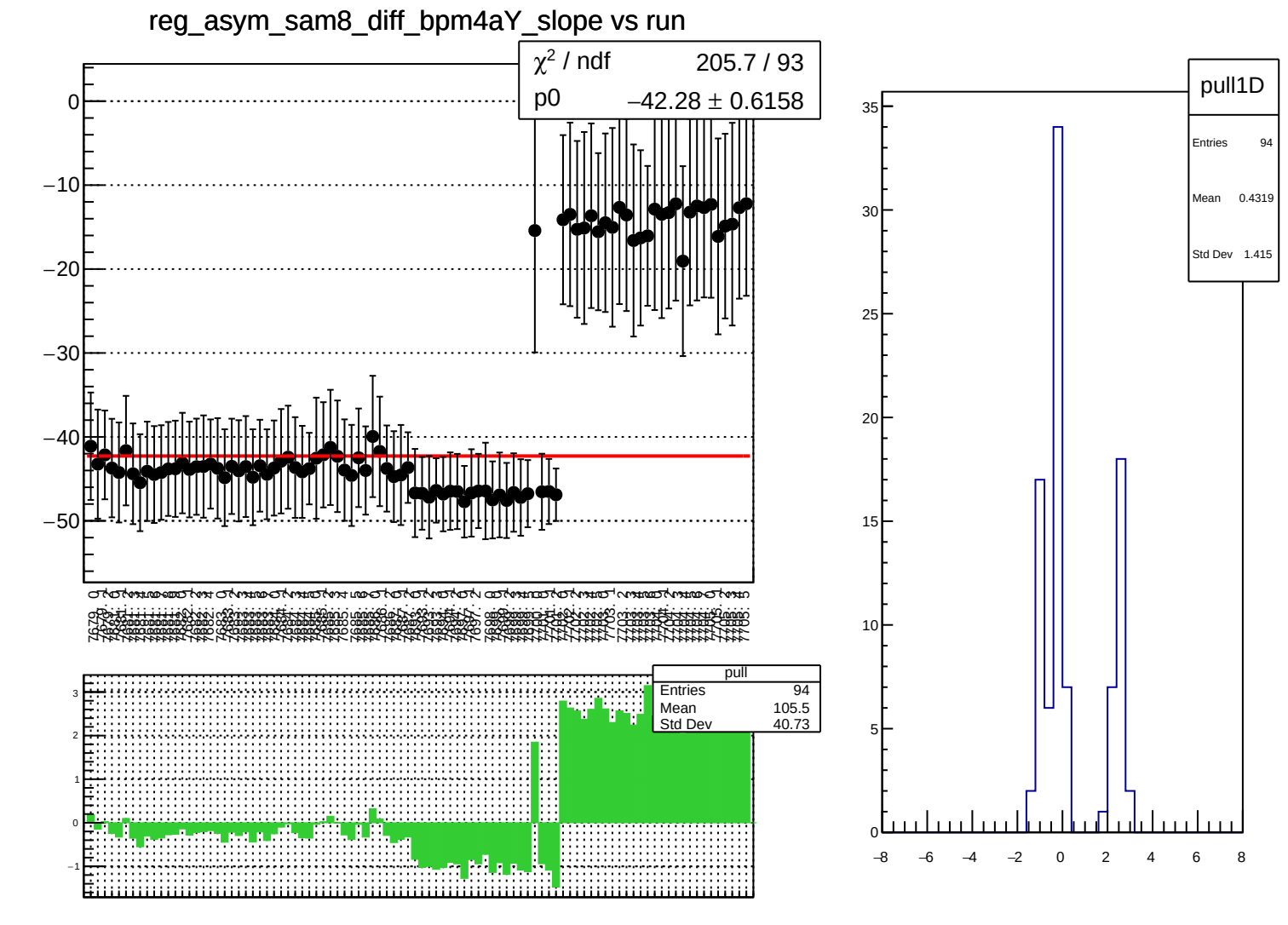

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 176.1 / 93
p0 −72.24 ± 0.478
pull
Entries 94
Mean 97.06
Std Dev 30.02
pull1D
Entries 94
Mean 0.4852
Std Dev 1.28

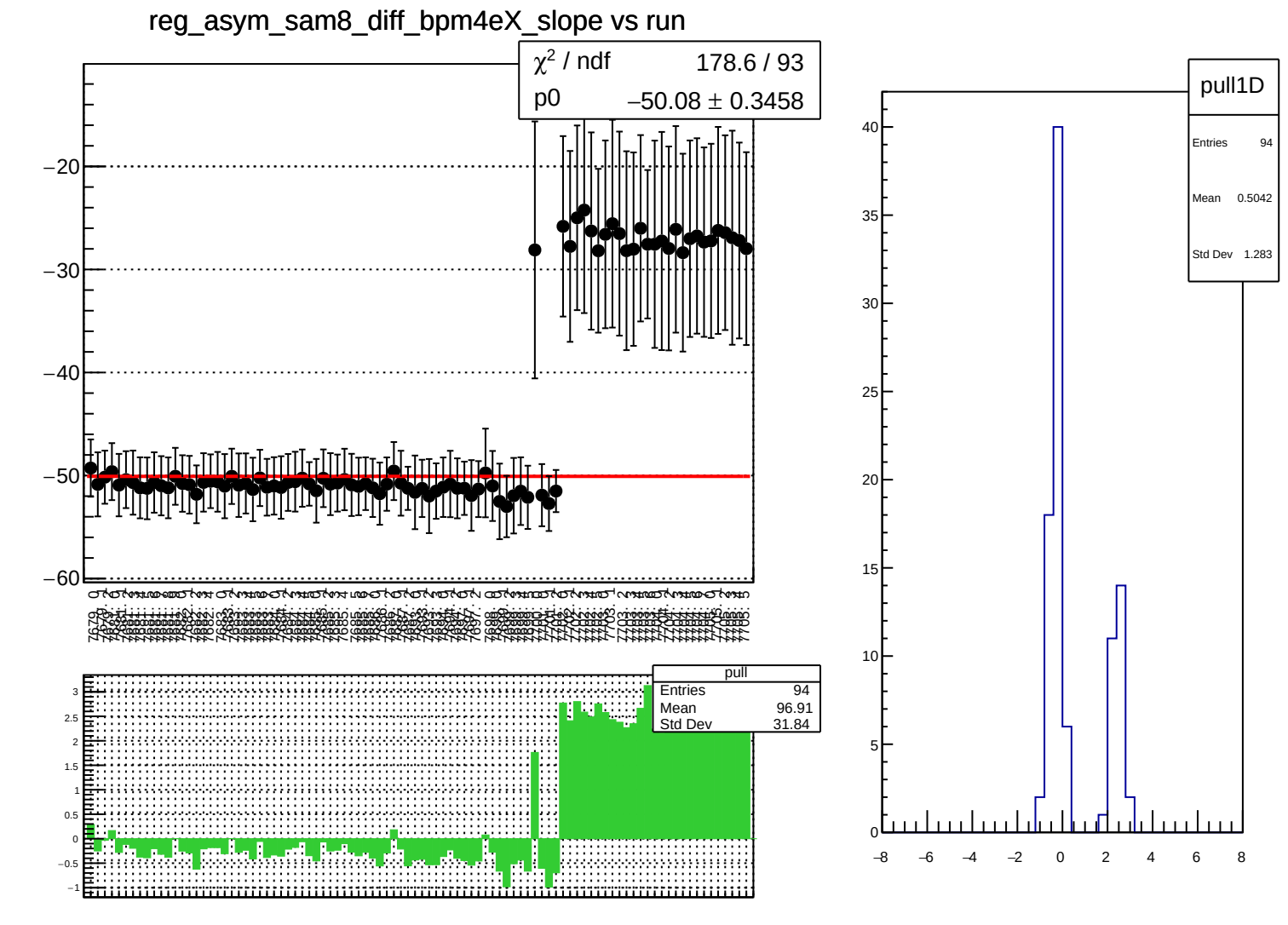

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 13.3 / 93
p0 −12.53 ± 1.247
pull
Entries 94
Mean 171.2
Std Dev 112

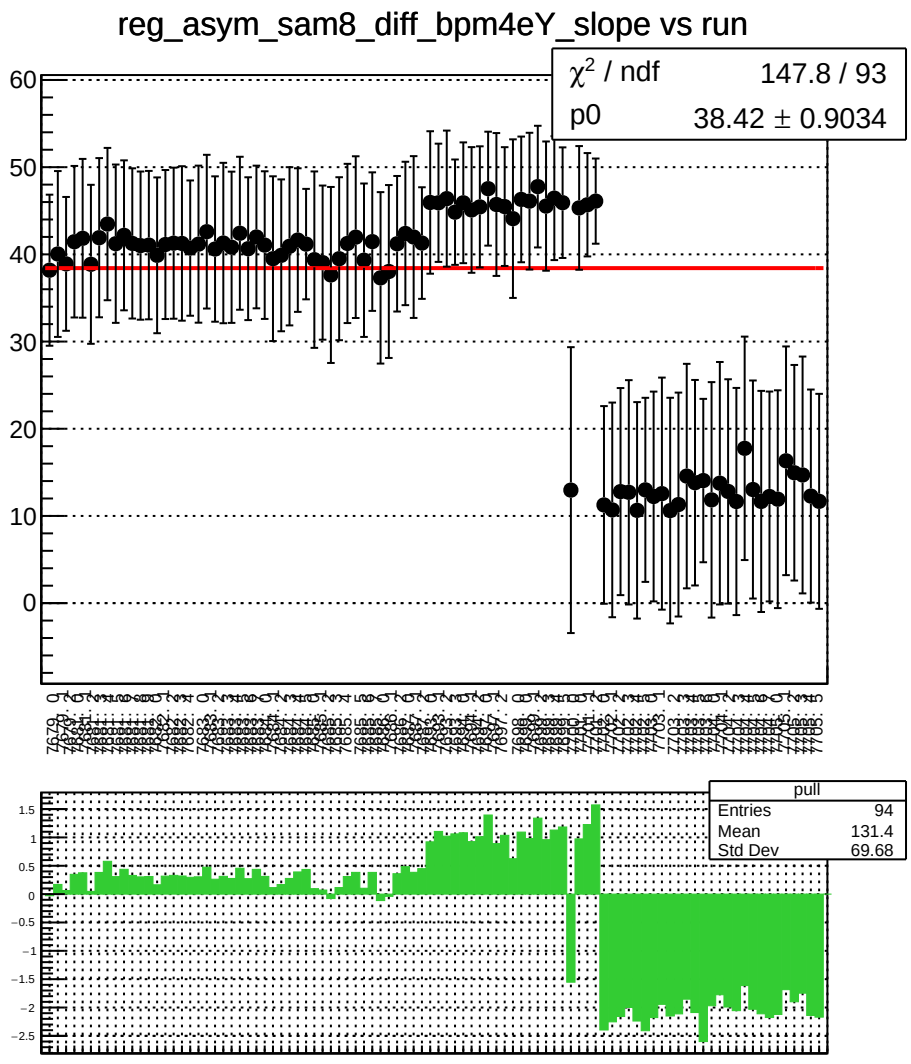

pull1D
Entries 94
Mean −0.05619
Std Dev 0.3719

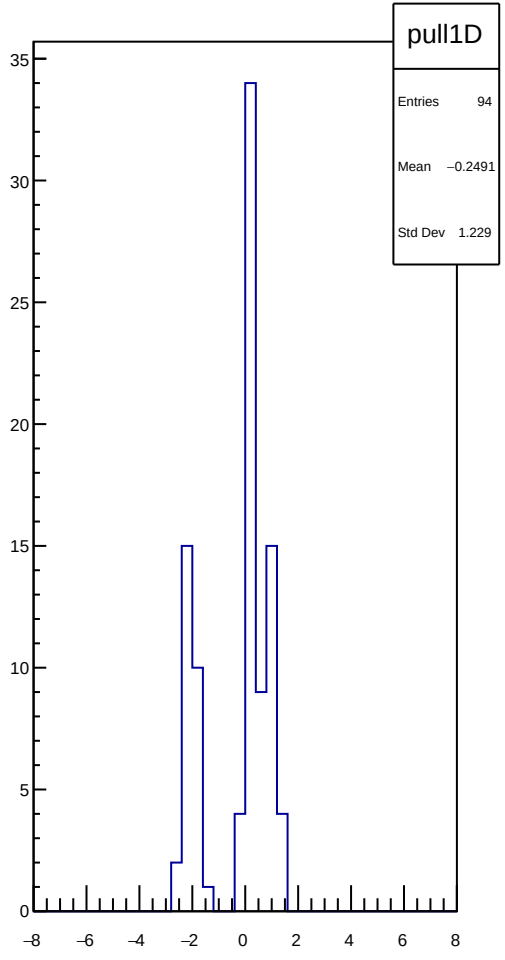

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 24.35 / 93
p0 0.1785 ± 0.05771
pull
Entries 94
Mean −87.5
Std Dev 138.5
pull1D
Entries 94
Mean 0.07891
Std Dev 0.5028

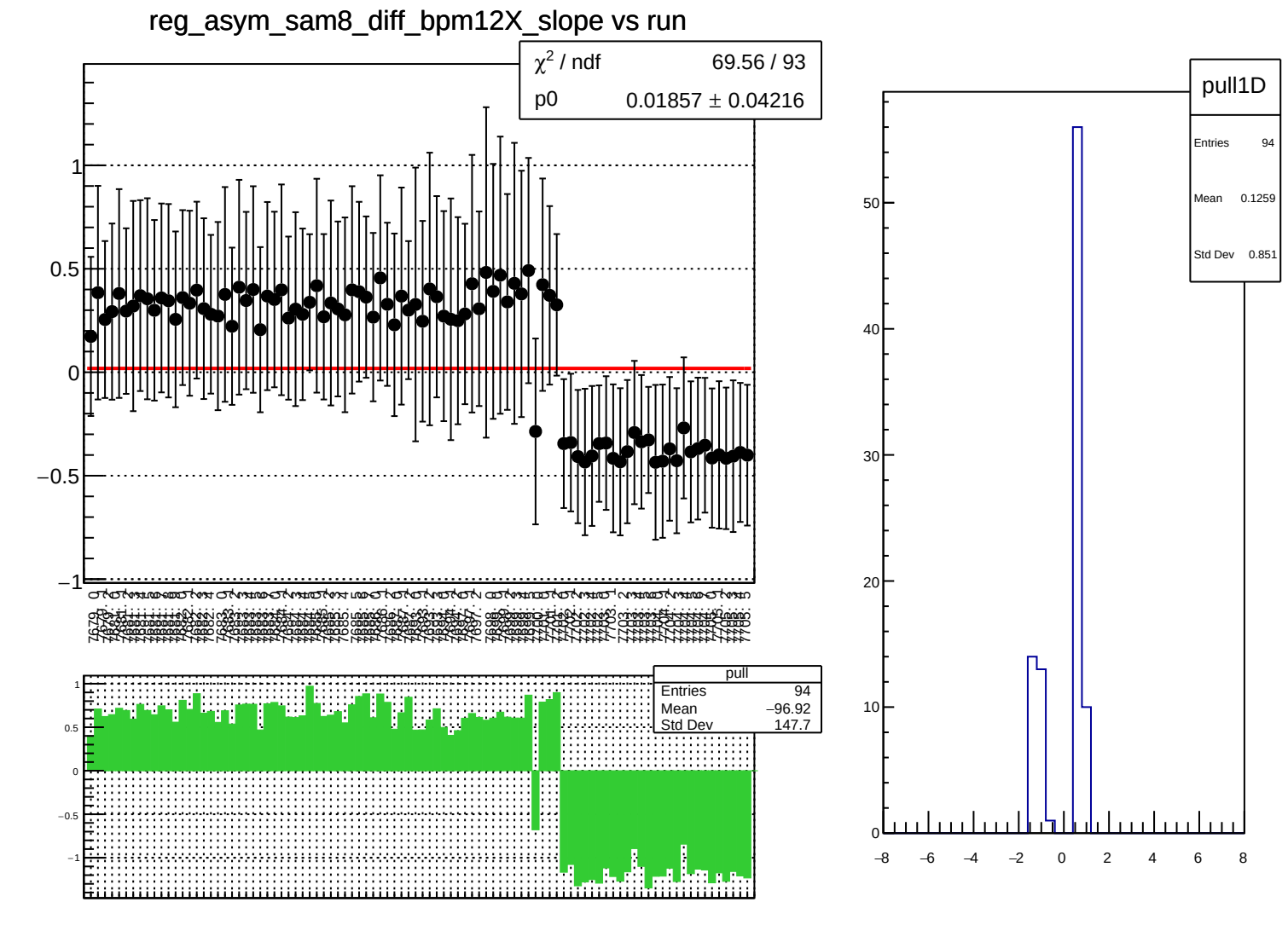

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 213.9 / 93
p0 25.96 ± 0.4277
30
20
10
0
−10
pull
Entries 94
Mean 104.6
Std Dev 42.33
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 94
Mean −0.5165
Std Dev 1.417
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

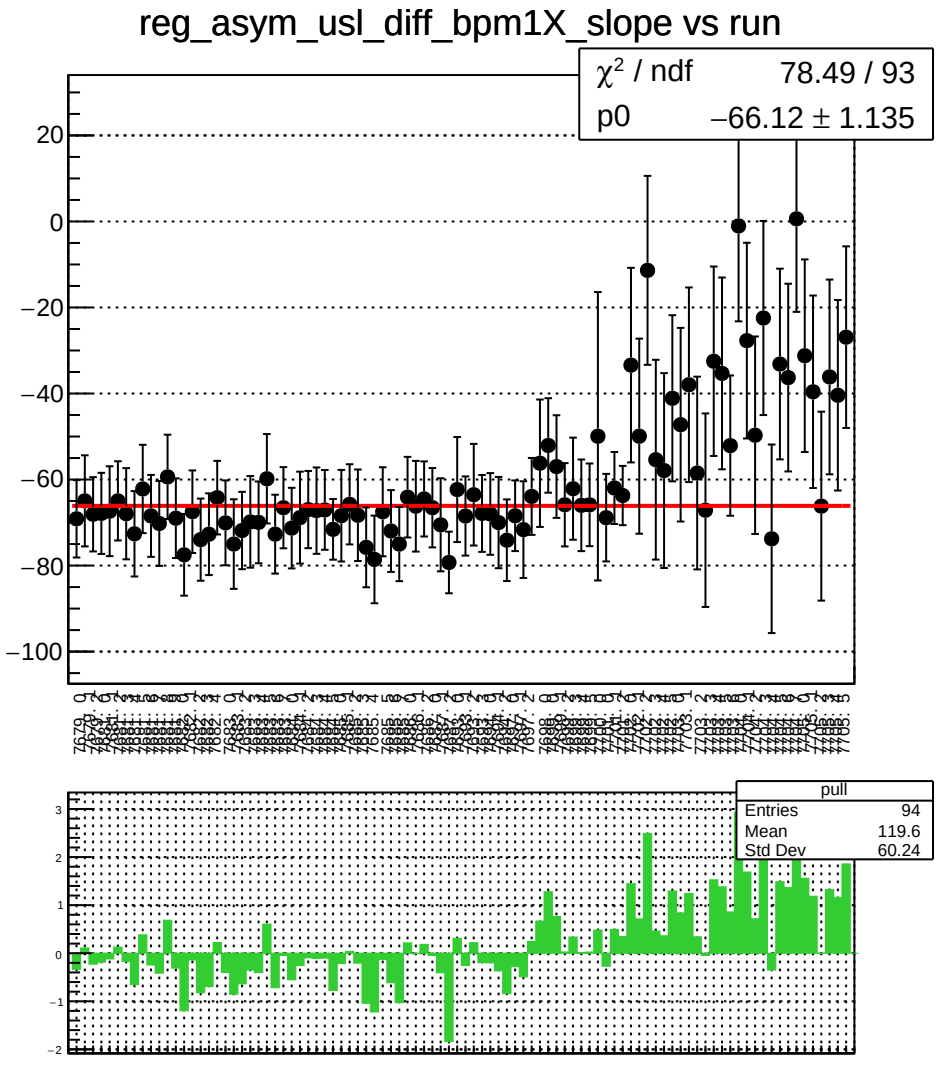

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 205.7 / 93
p0 −42.28 ± 0.6158
pull
Entries 94
Mean 105.5
Std Dev 40.73
pull1D
Entries 94
Mean 0.4319
Std Dev 1.415

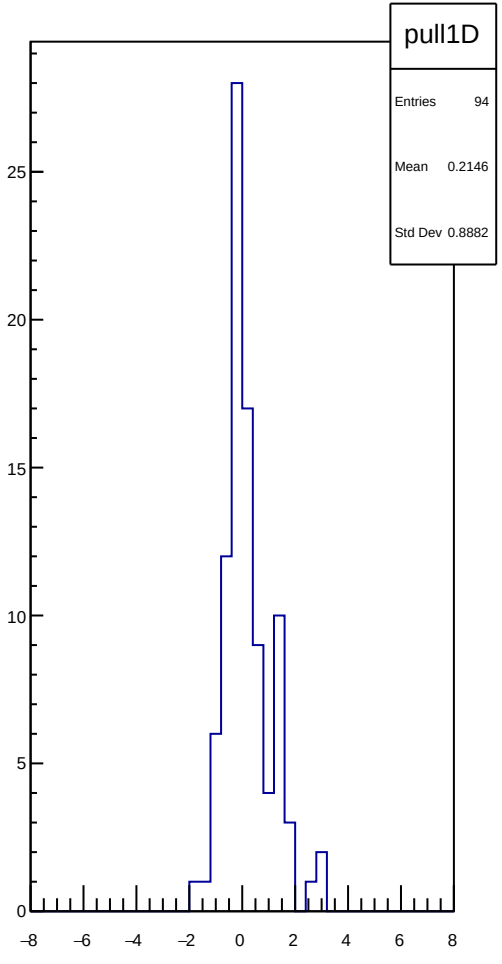

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 178.6 / 93
p0 −50.08 ± 0.3458
pull
Entries 94
Mean 96.91
Std Dev 31.84
pull1D
Entries 94
Mean 0.5042
Std Dev 1.283

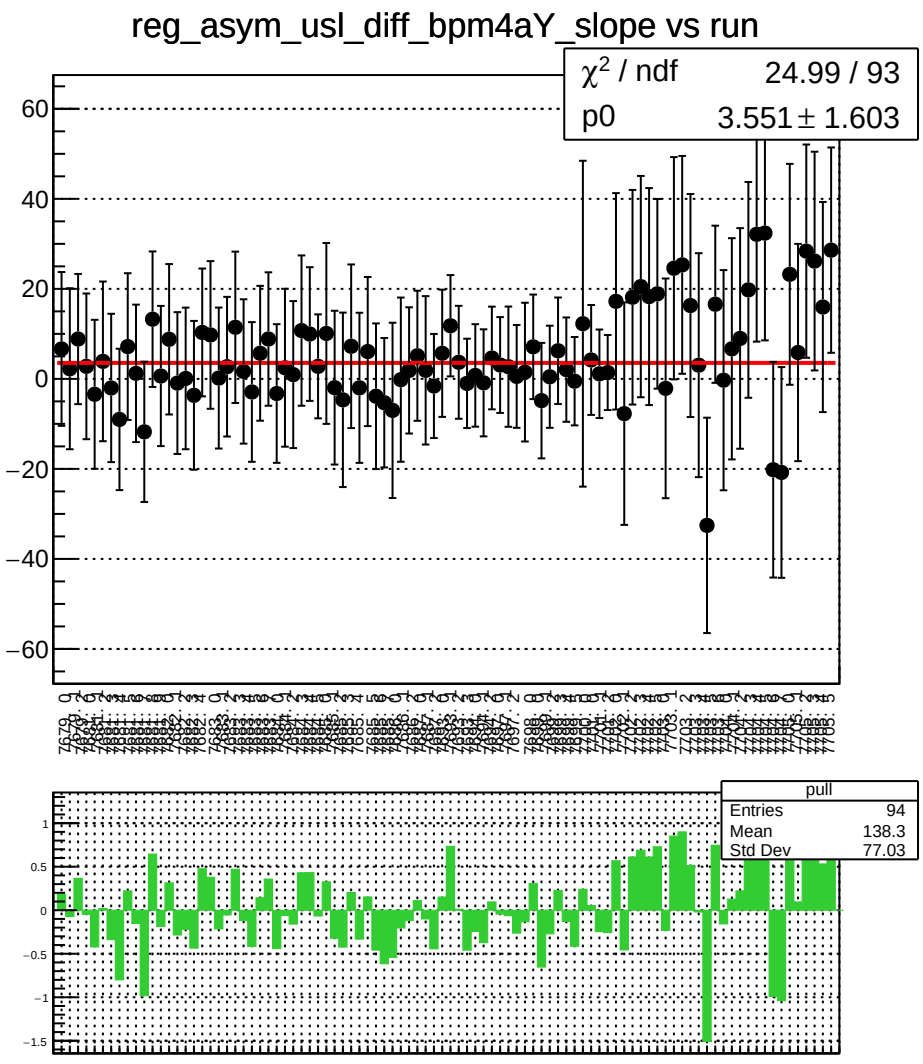

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 147.8 / 93
p0 38.42 ± 0.9034
pull
Entries 94
Mean 131.4
Std Dev 69.68

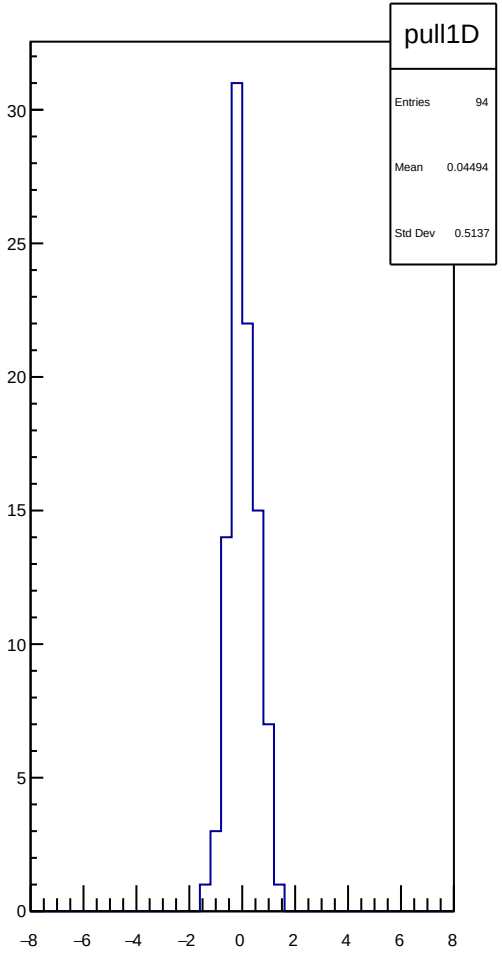

pull1D
Entries 94
Mean −0.2491
Std Dev 1.229

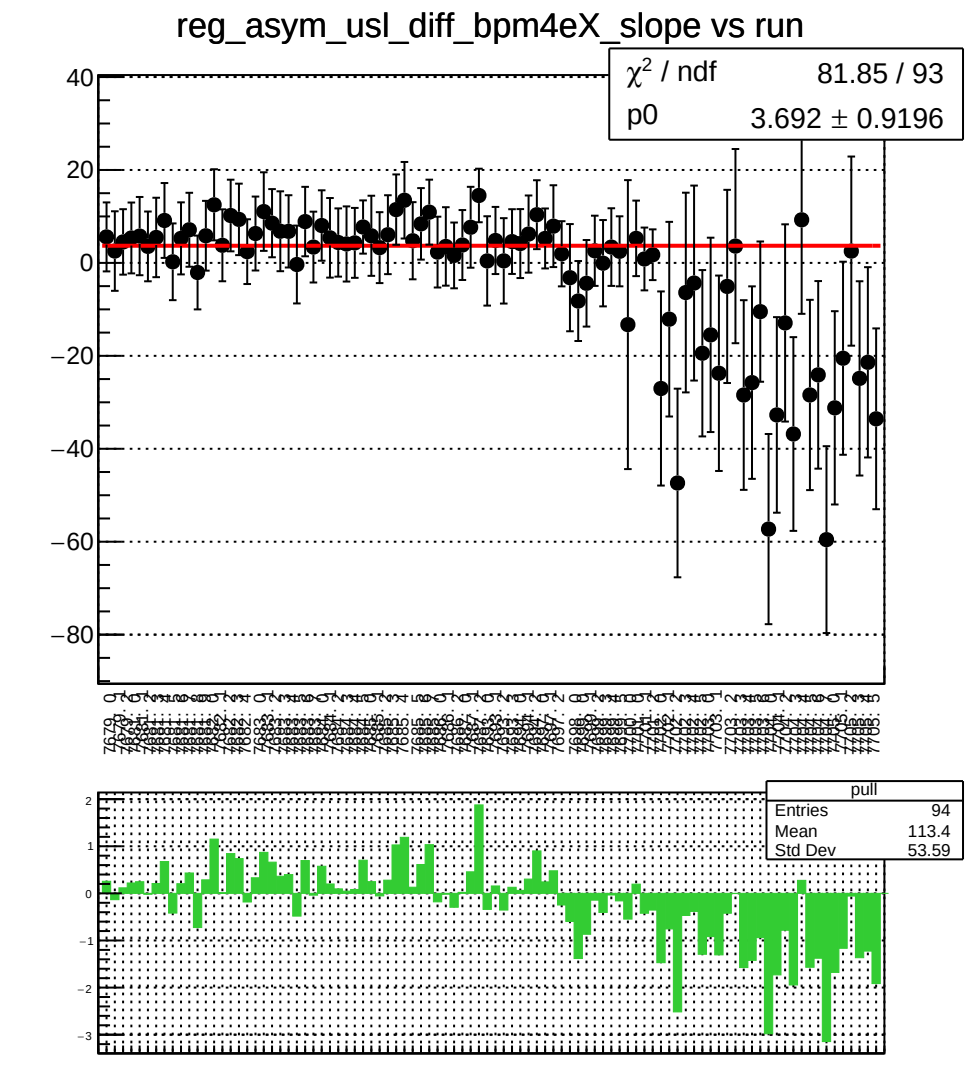

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 69.56 / 93
p0 0.01857 ± 0.04216
pull
Entries 94
Mean −96.92
Std Dev 147.7
pull1D
Entries 94
Mean 0.1259
Std Dev 0.851

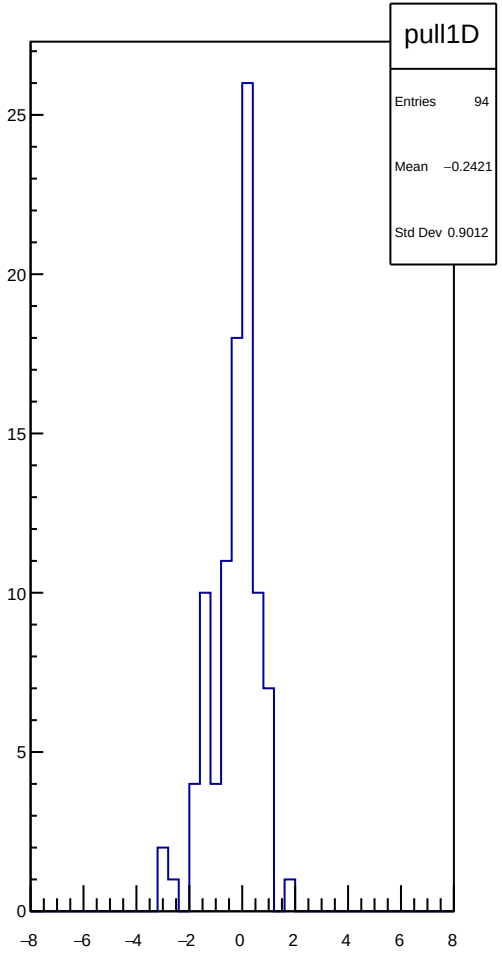

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 78.49 / 93
p0 −66.12 ± 1.135
pull
Entries 94
Mean 119.6
Std Dev 60.24

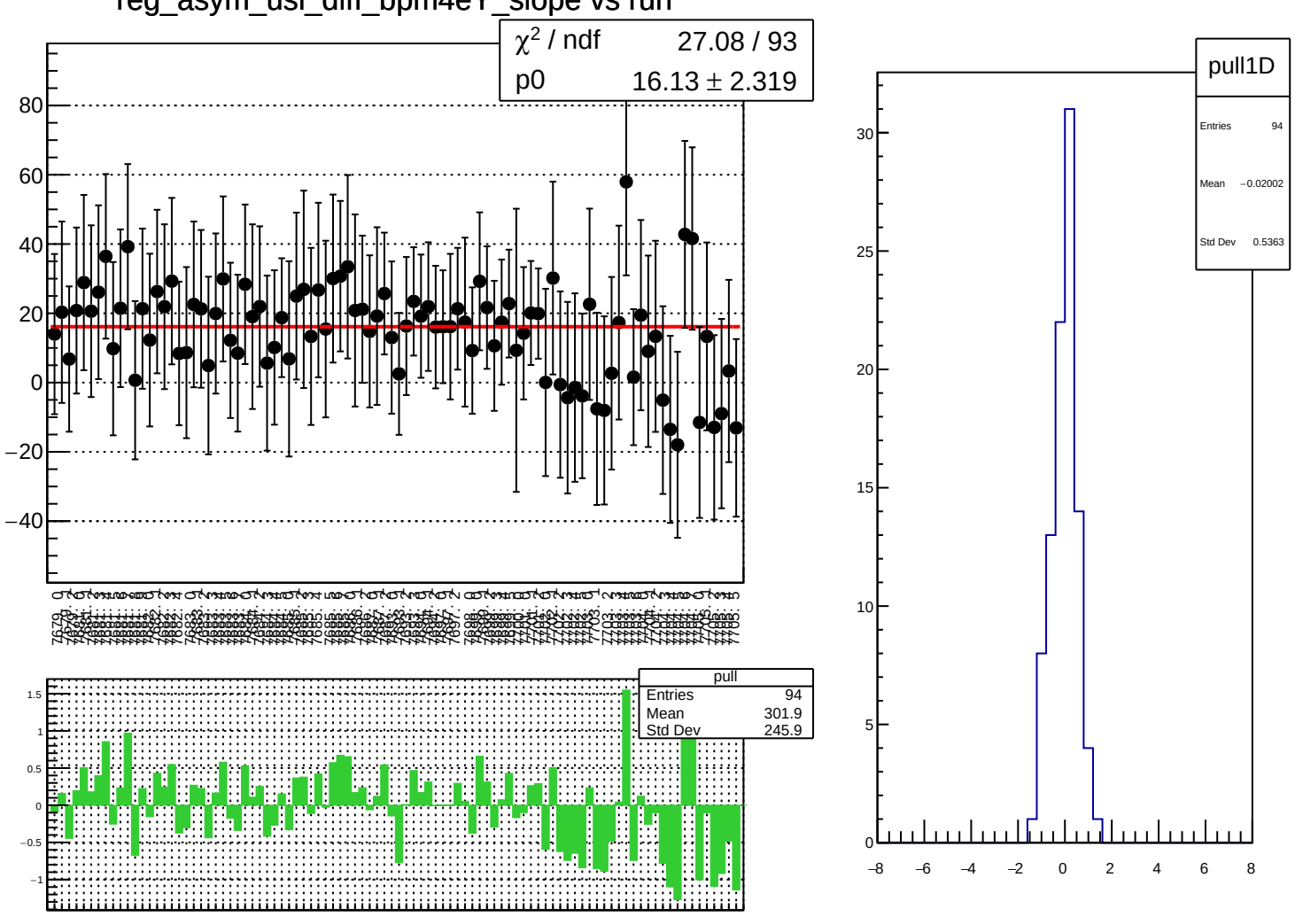

pull1D
Entries 94
Mean 0.2146
Std Dev 0.8882

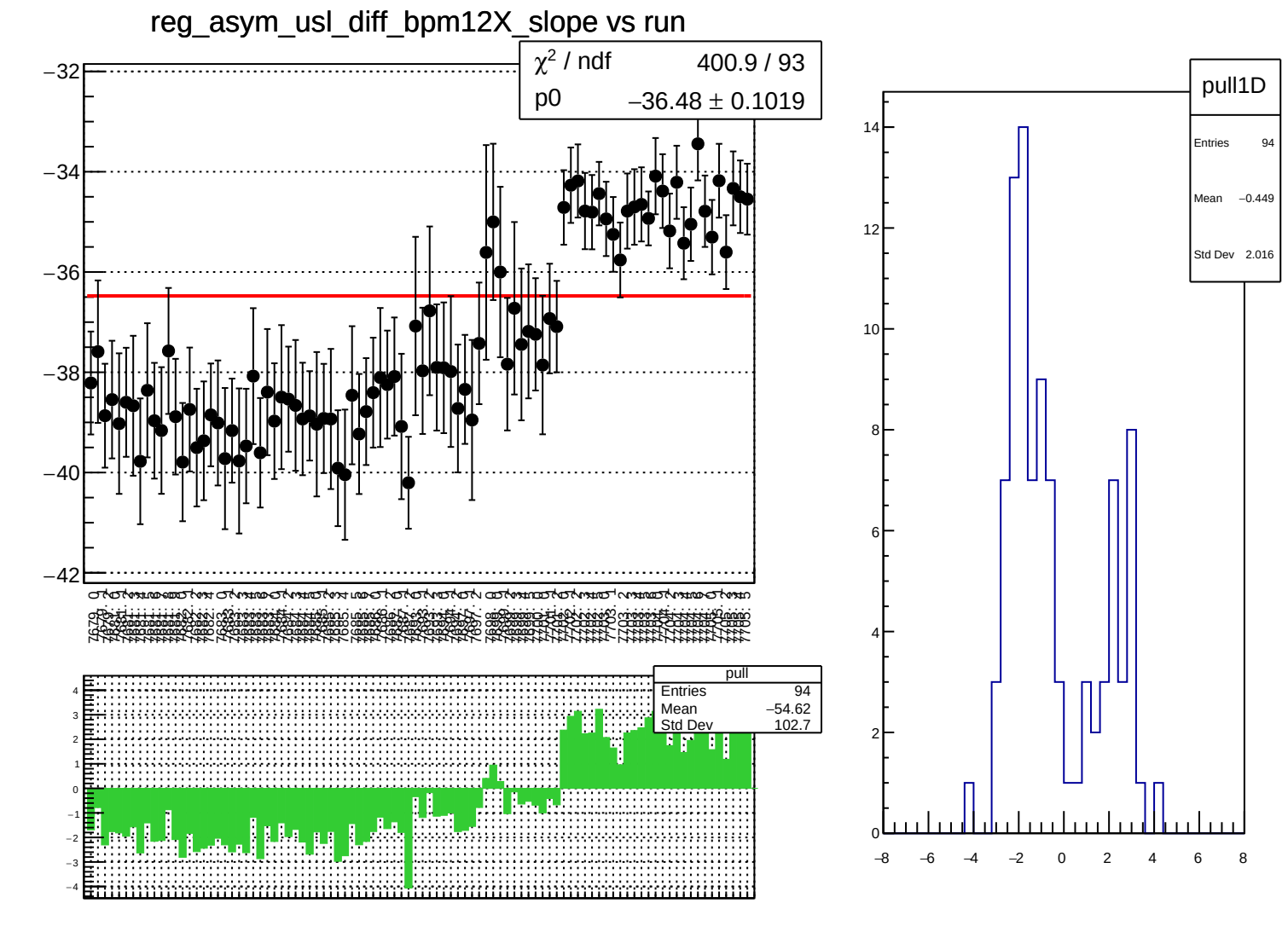

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 24.99 / 93
p0 3.551 ± 1.603
pull
Entries 94
Mean 138.3
Std Dev 77.03

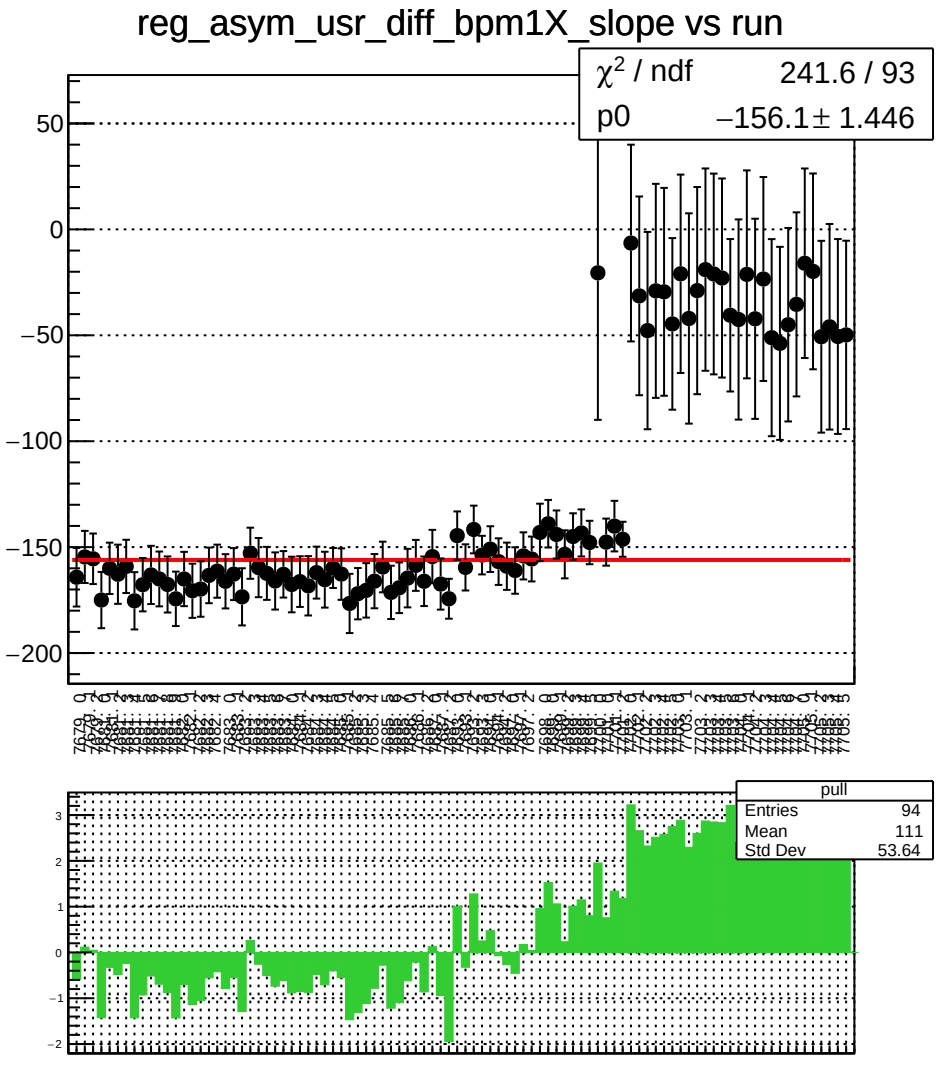

pull1D
Entries 94
Mean 0.04494
Std Dev 0.5137

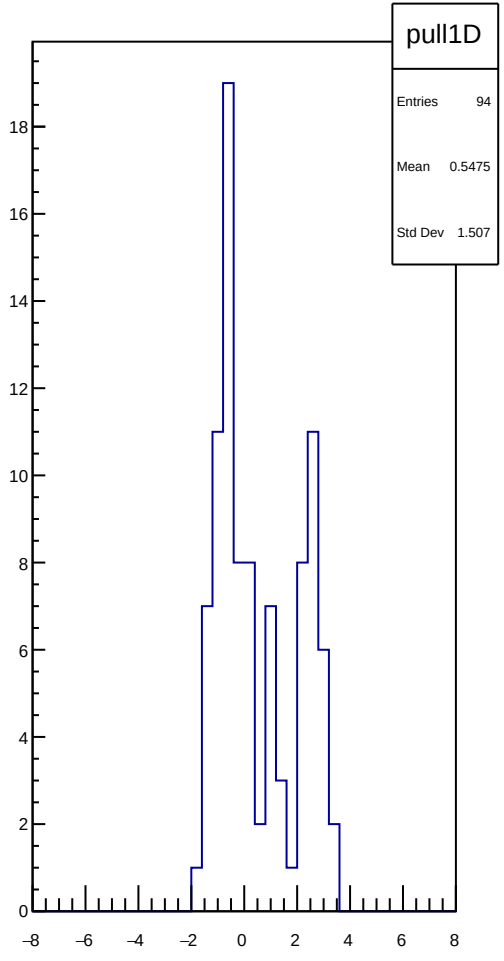

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 81.85 / 93
p0 3.692 ± 0.9196
pull
Entries 94
Mean 113.4
Std Dev 53.59

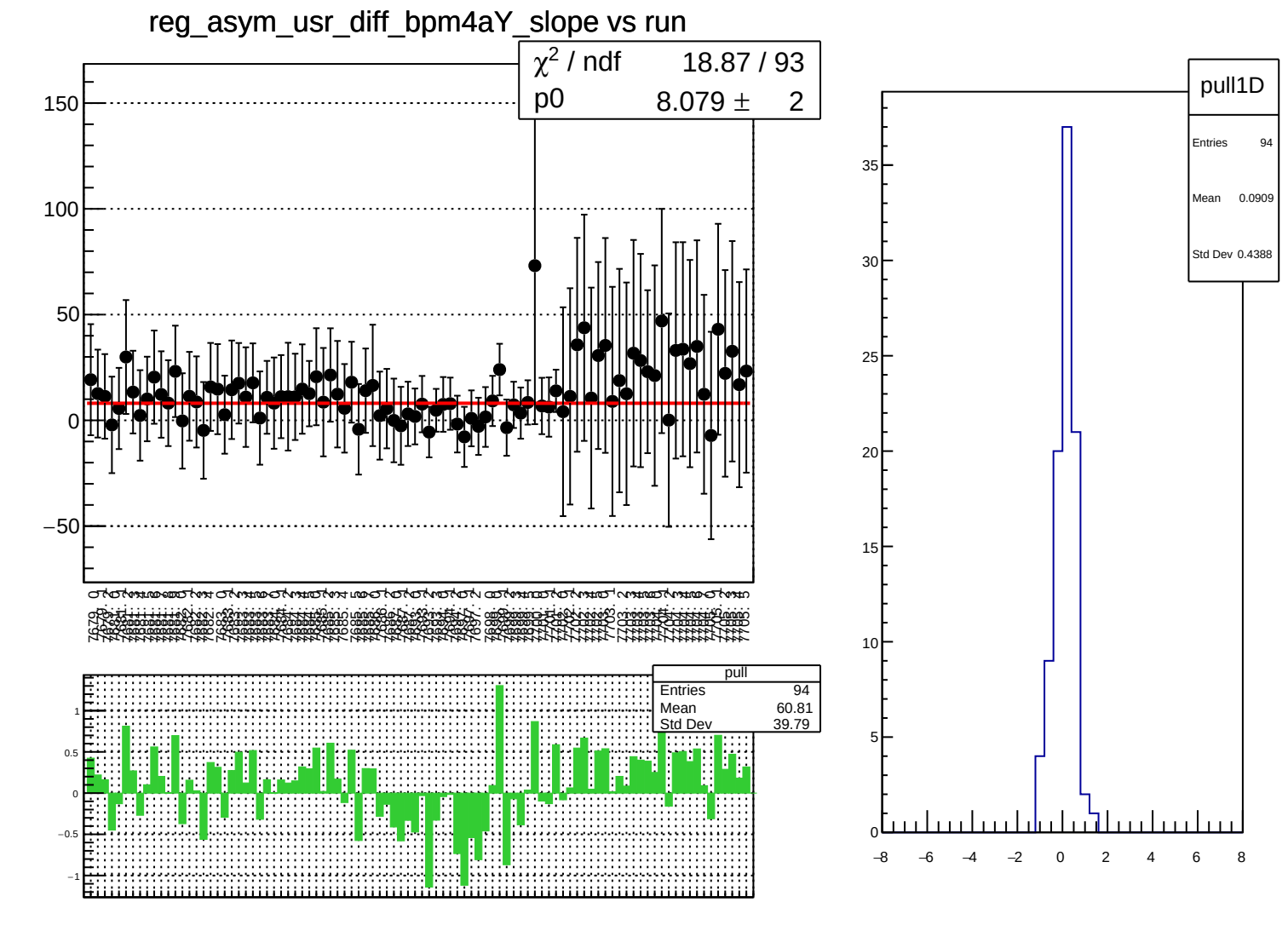

pull1D
Entries 94
Mean −0.2421
Std Dev 0.9012

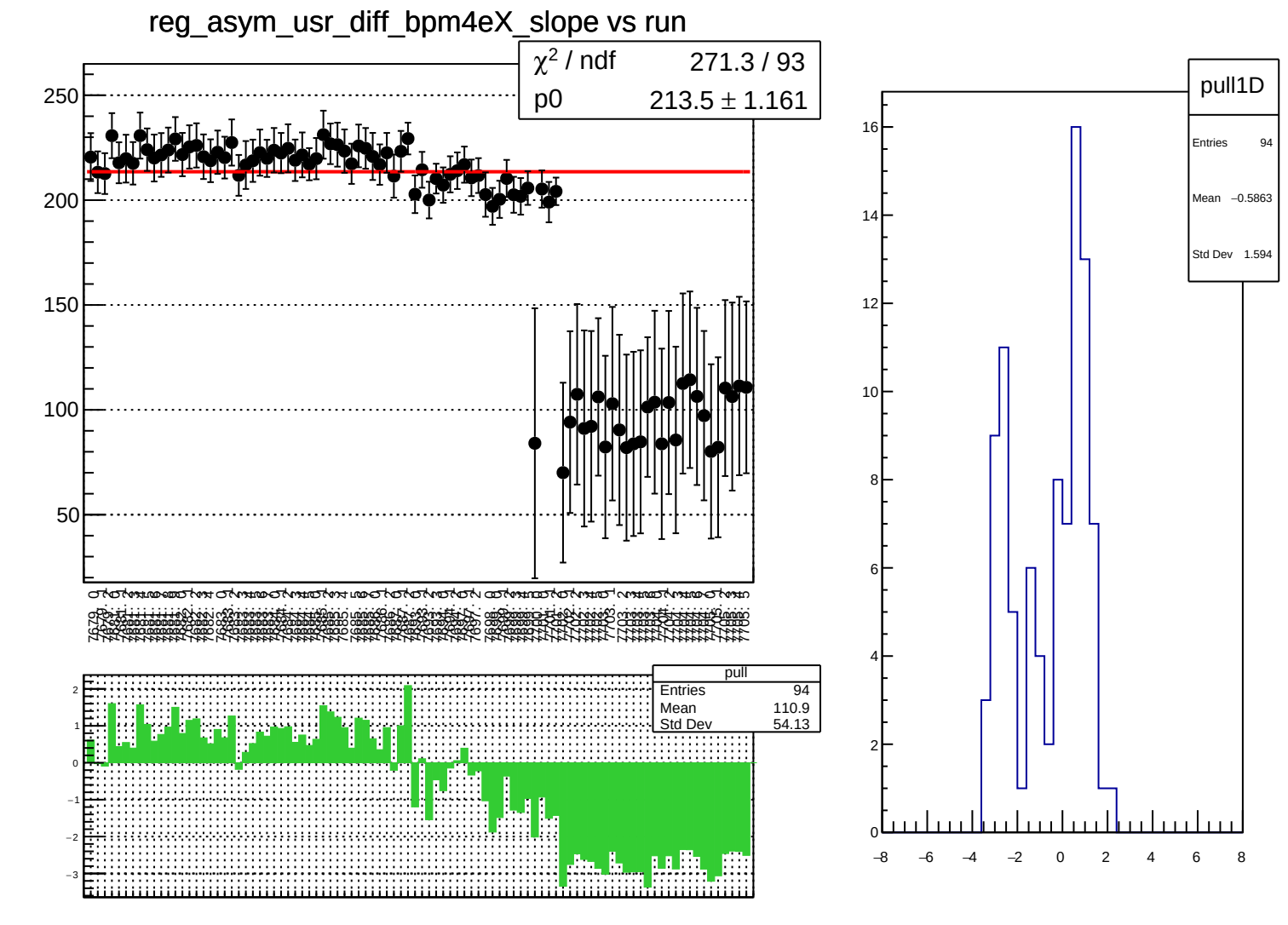

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 27.08 / 93
p0 16.13 ± 2.319
pull
Entries 94
Mean 301.9
Std Dev 245.9
pull1D
Entries 94
Mean −0.02002
Std Dev 0.5363

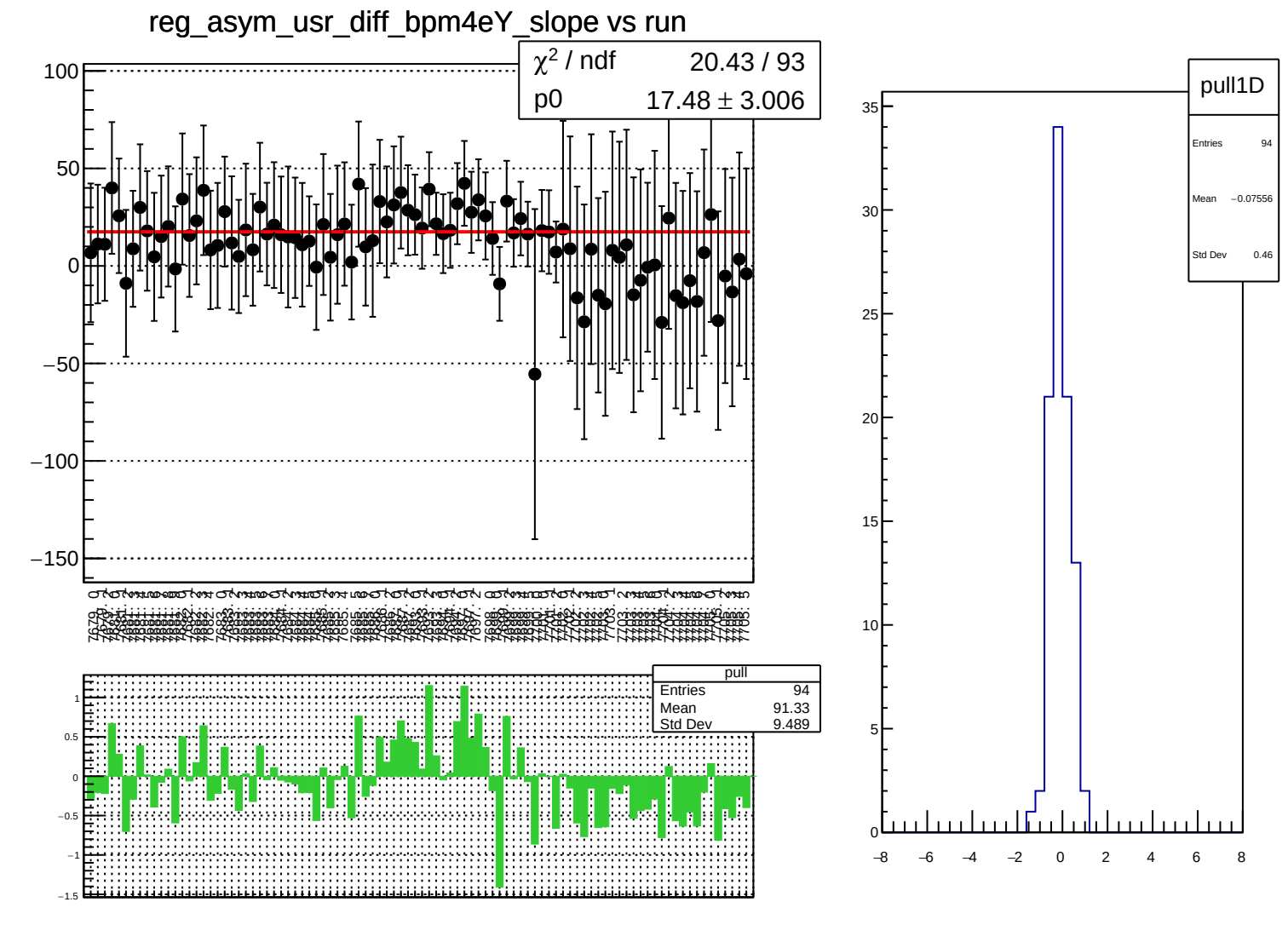

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 400.9 / 93
p0 −36.48 ± 0.1019
−32
−34
−36
−38
−40
−42
pull
Entries 94
Mean −54.62
Std Dev 102.7
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 94
Mean −0.449
Std Dev 2.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

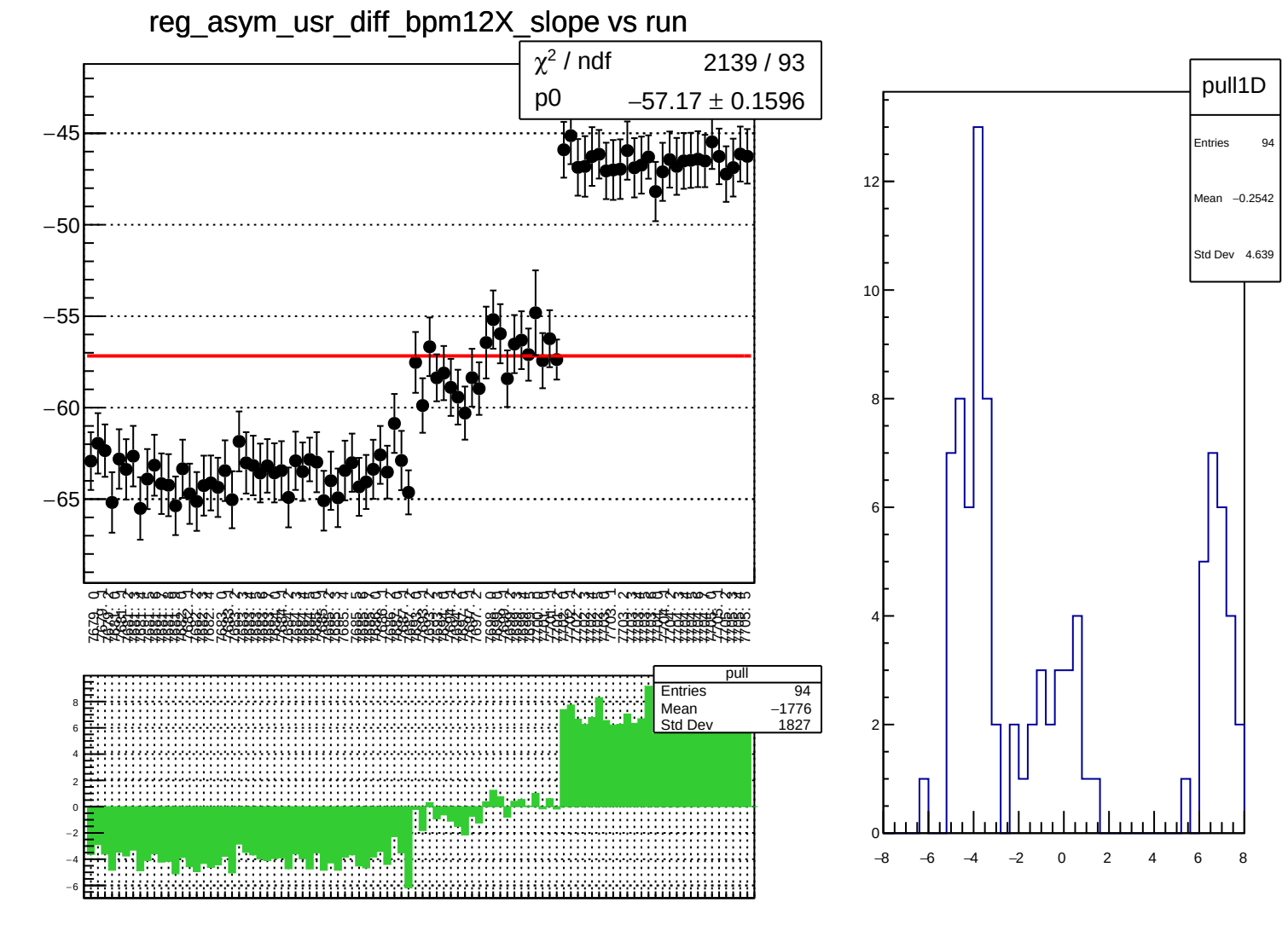

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 241.6 / 93
p0 −156.1± 1.446
50
0
−50
−100
−150
−200
pull
Entries 94
Mean 111
Std Dev 53.64
3
2
1
0
−1
−2

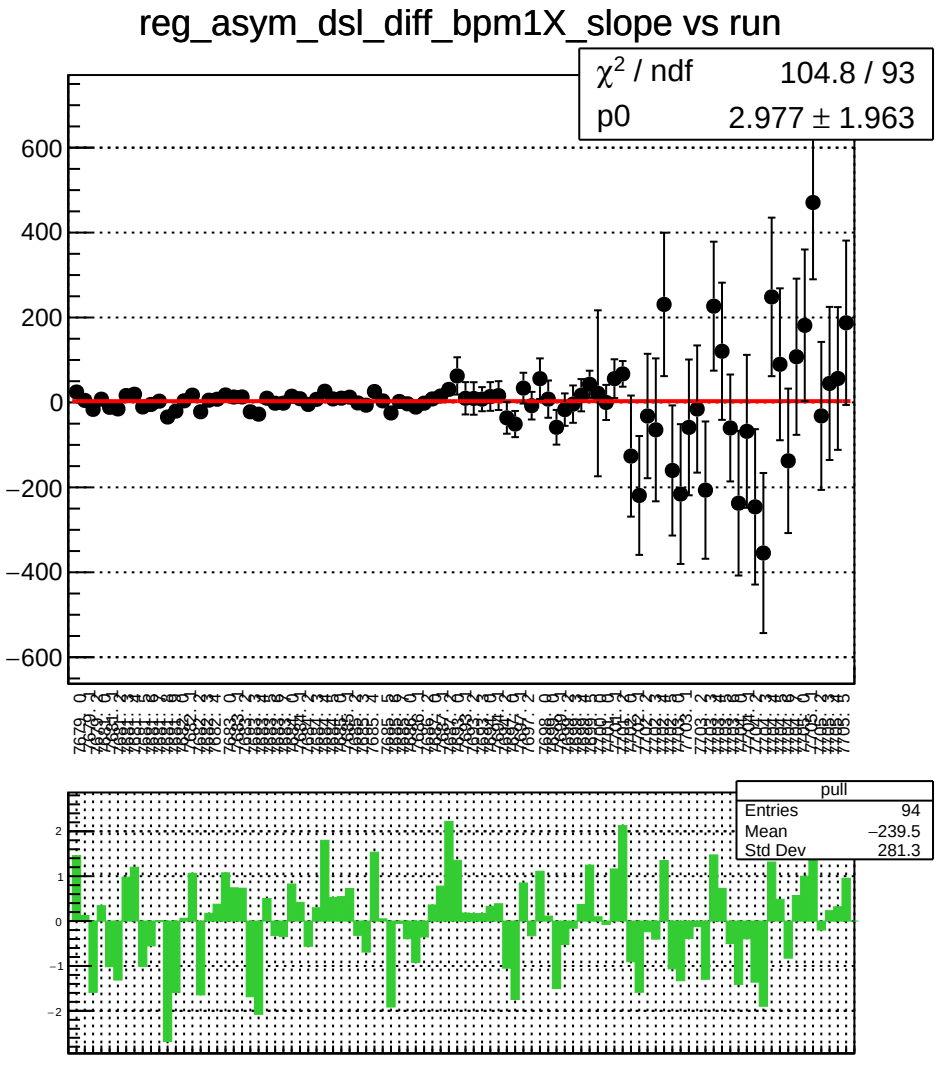

pull1D
Entries 94
Mean 0.5475
Std Dev 1.507
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

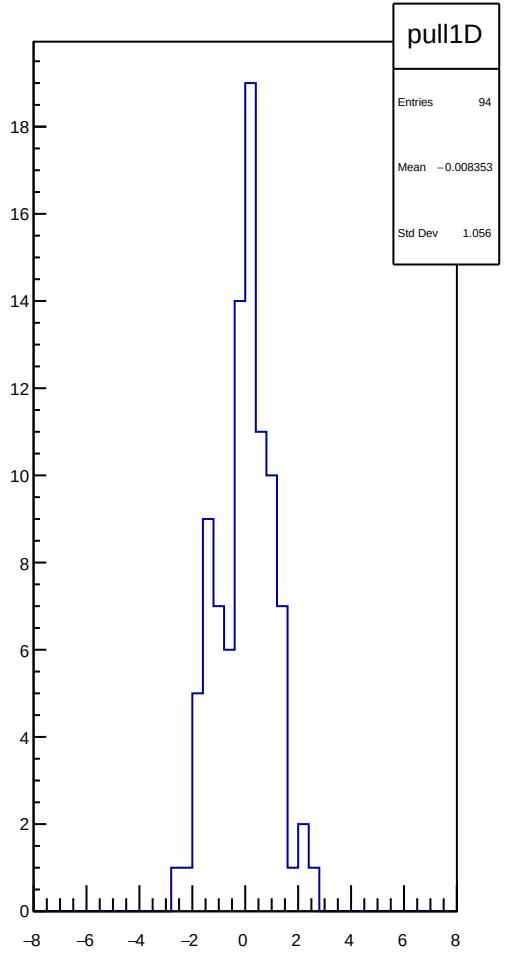

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 18.87 / 93
p0 8.079 ± 2
150
100
50
0
−50
pull
Entries 94
Mean 60.81
Std Dev 39.79
1
0.5
0
−0.5
−1
pull1D
Entries 94
Mean 0.0909
Std Dev 0.4388
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

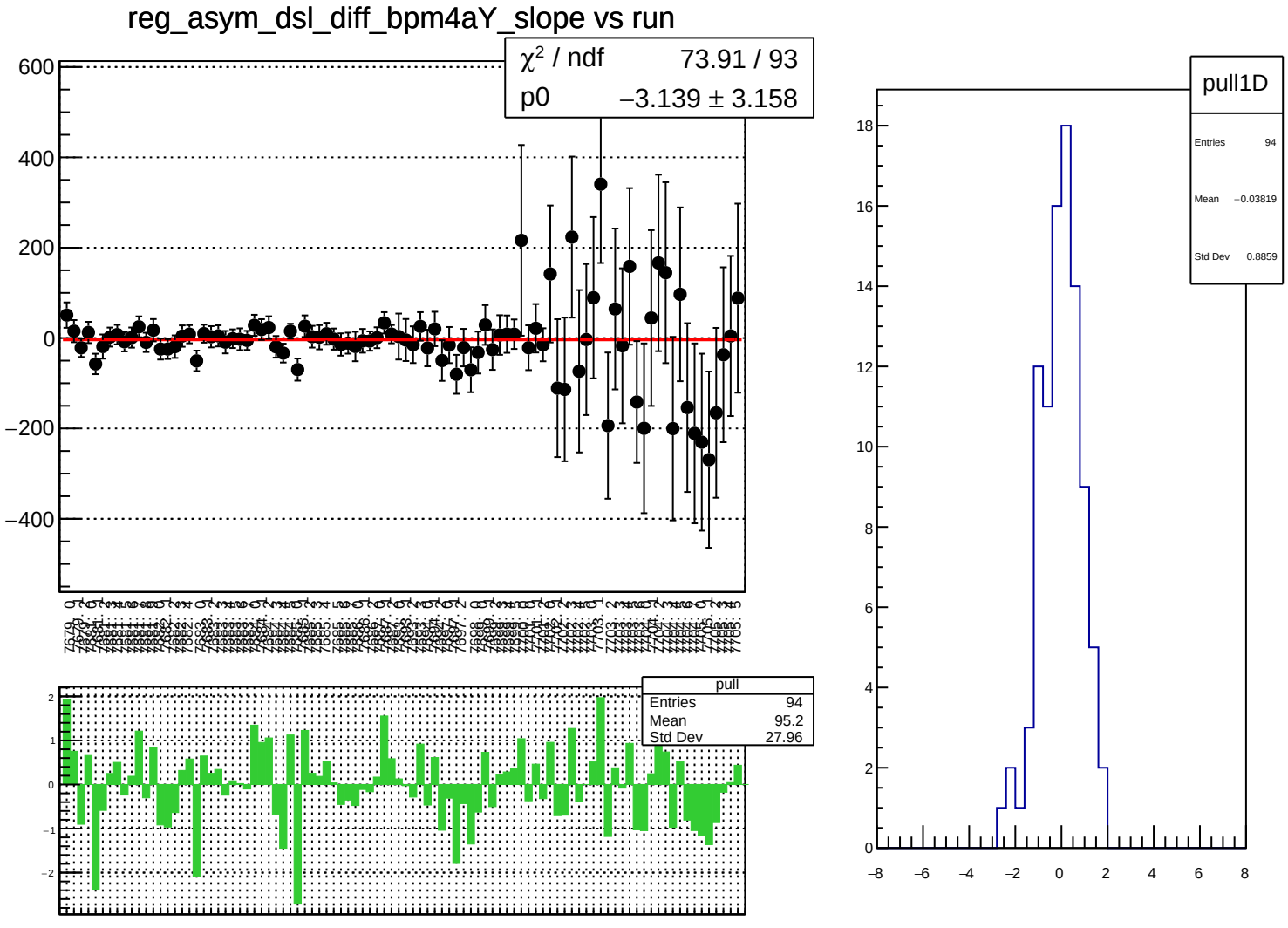

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 271.3 / 93
p0 213.5 ± 1.161
250
200
150
100
50
pull
Entries 94
Mean 110.9
Std Dev 54.13
2
1
0
−1
−2
−3
pull1D
Entries 94
Mean −0.5863
Std Dev 1.594
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

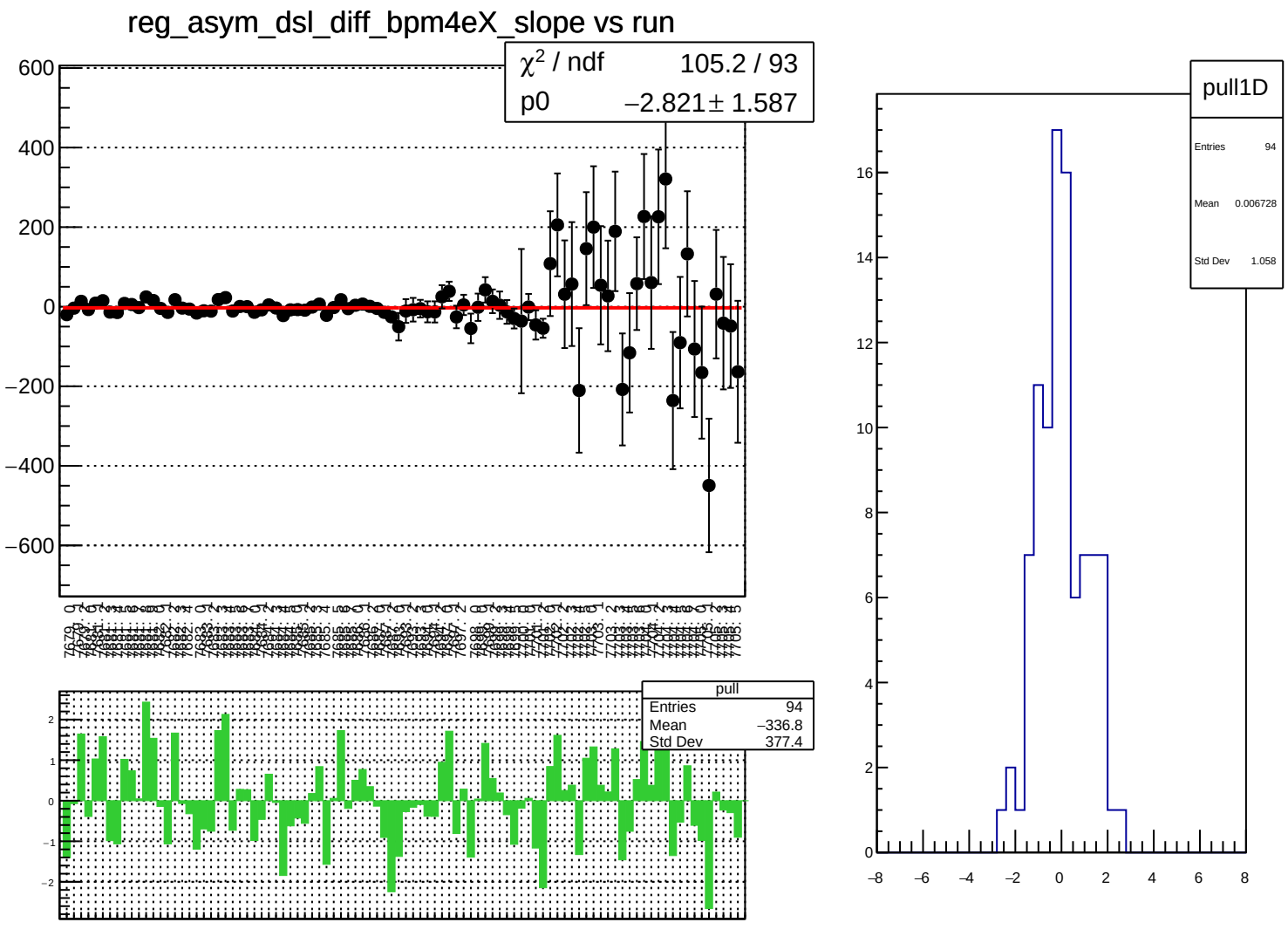

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 20.43 / 93
p0 17.48 ± 3.006
pull
Entries 94
Mean 91.33
Std Dev 9.489
pull1D
Entries 94
Mean −0.07556
Std Dev 0.46

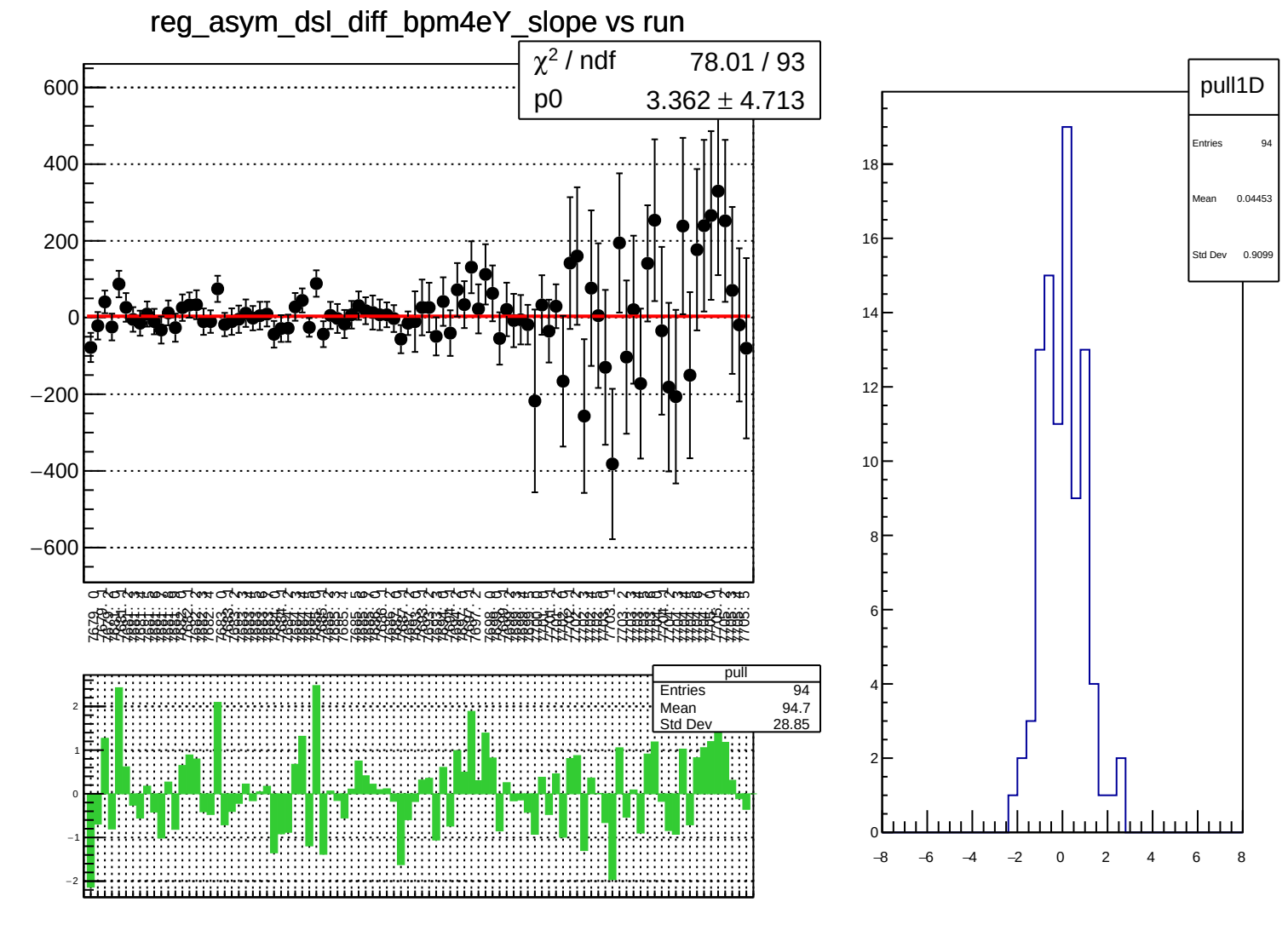

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 2139 / 93
p0 −57.17 ± 0.1596
−45
−50
−55
−60
−65
pull
Entries 94
Mean −1776
Std Dev 1827
8
6
4
2
0
−2
−4
−6
pull1D
Entries 94
Mean −0.2542
Std Dev 4.639
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

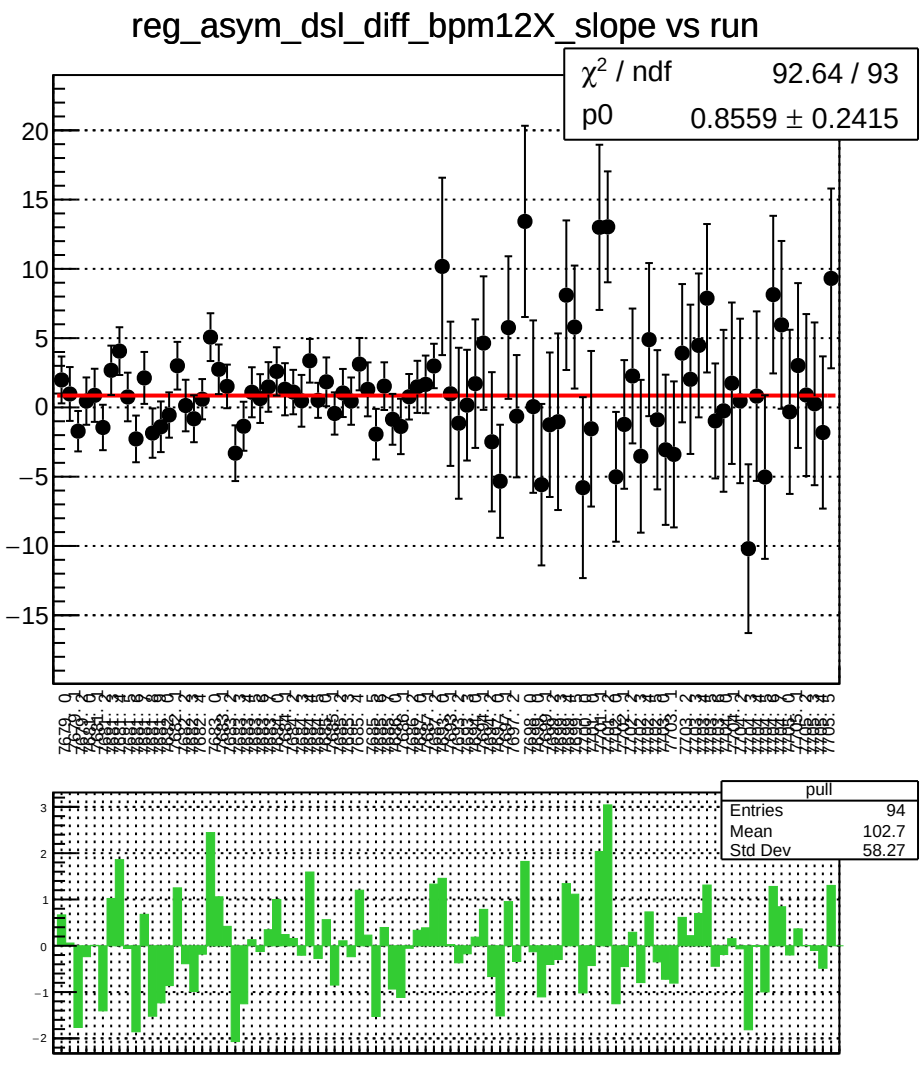

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 104.8 / 93
p0 2.977 ± 1.963
600
400
200
0
−200
−400
−600
pull
Entries 94
Mean −239.5
Std Dev 281.3
2
1
0
−1
−2

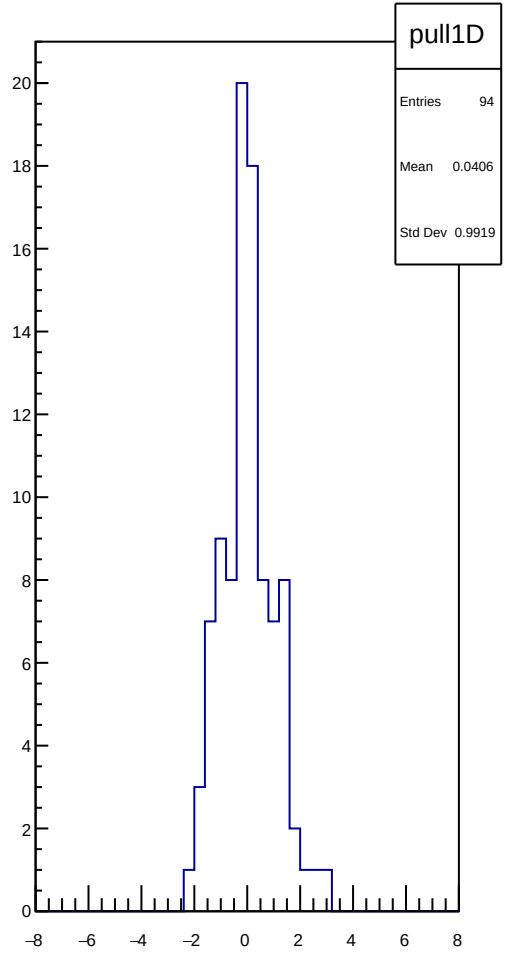

pull1D
Entries 94
Mean −0.008353
Std Dev 1.056
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

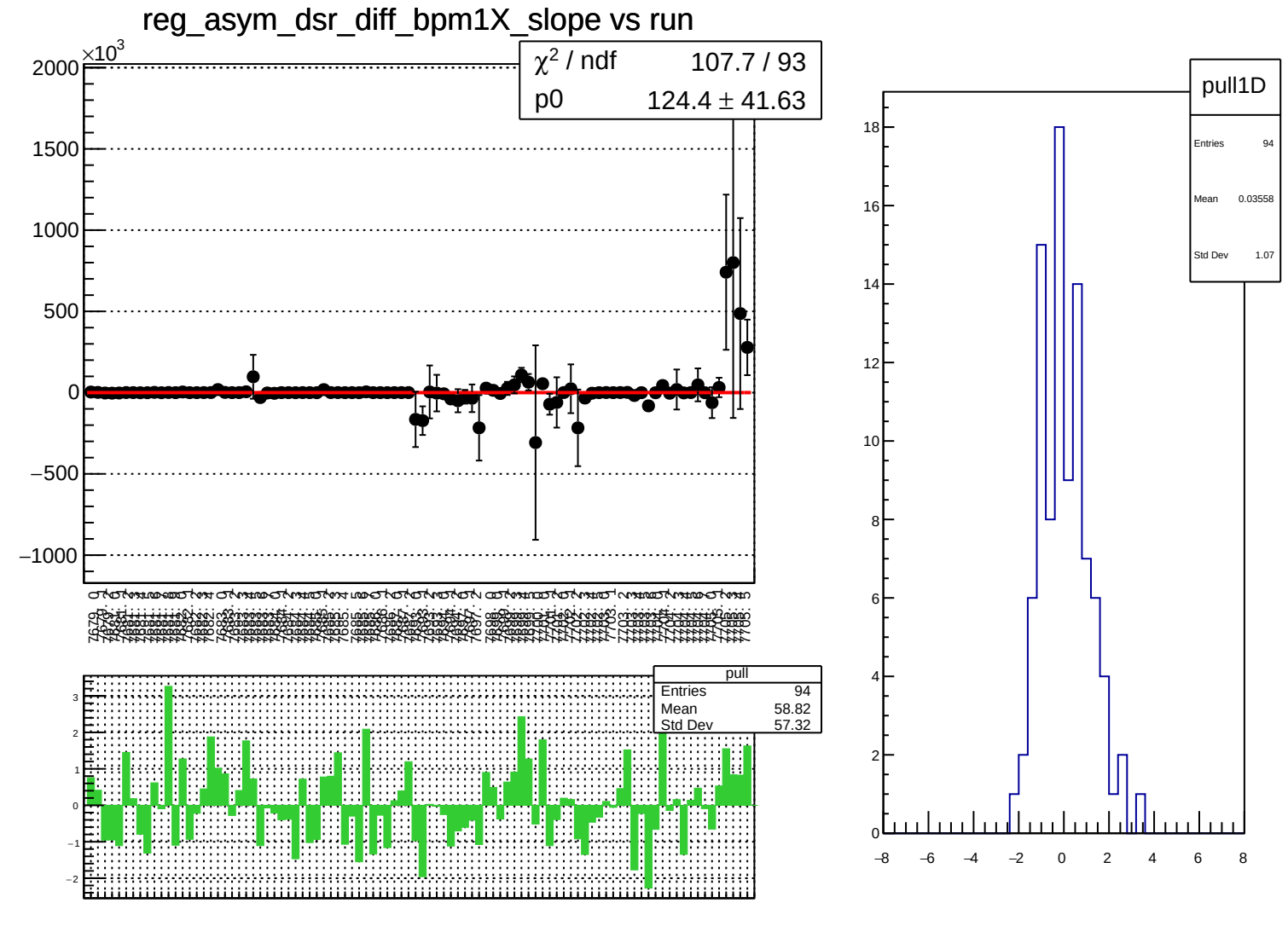

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 73.91 / 93
p0 −3.139 ± 3.158
600
400
200
0
−200
−400
pull
Entries 94
Mean 95.2
Std Dev 27.96
2
1
0
−1
−2
pull1D
Entries 94
Mean −0.03819
Std Dev 0.8859
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

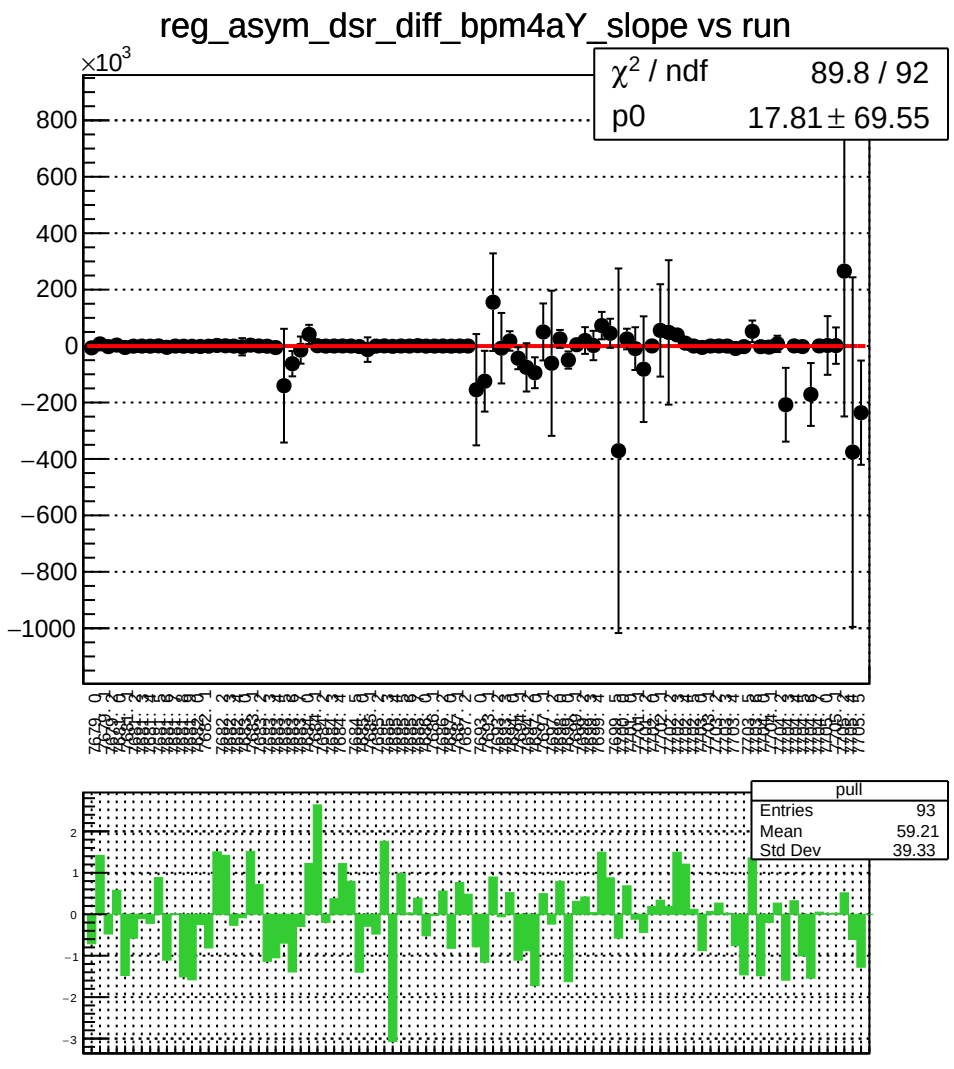

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 105.2 / 93
p0 −2.821 ± 1.587
600
400
200
0
−200
−400
−600
pull
Entries 94
Mean −336.8
Std Dev 377.4
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.006728
Std Dev 1.058
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

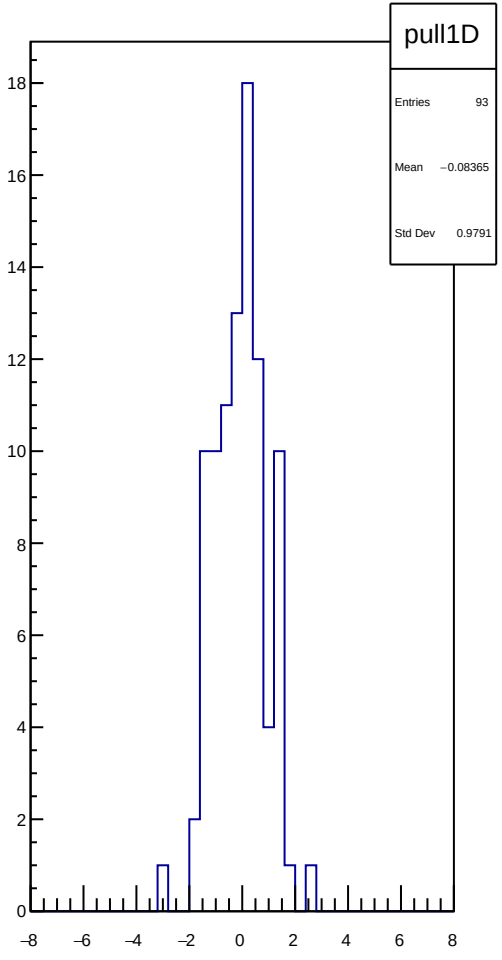

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 78.01 / 93
p0 3.362 ± 4.713
pull
Entries 94
Mean 94.7
Std Dev 28.85
pull1D
Entries 94
Mean 0.04453
Std Dev 0.9099

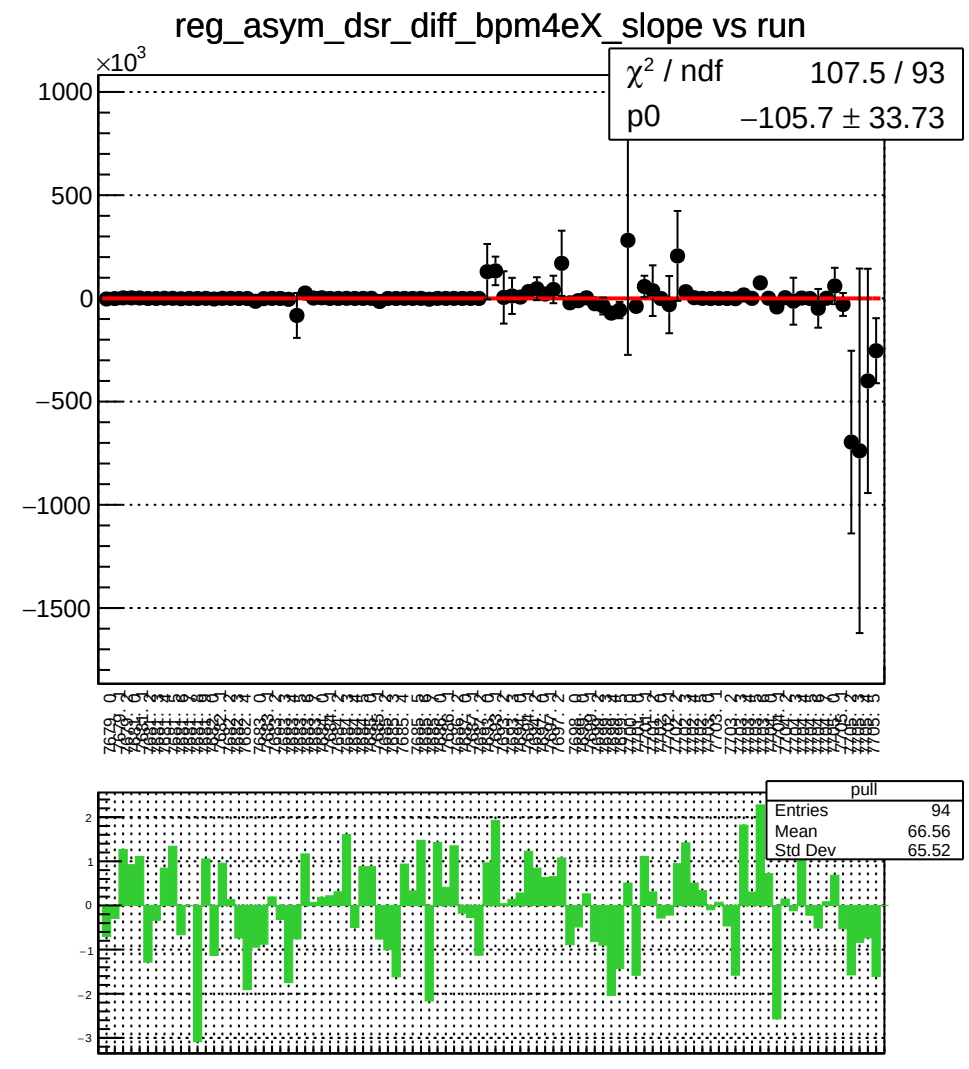

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 92.64 / 93
p0 0.8559 ± 0.2415
pull
Entries 94
Mean 102.7
Std Dev 58.27

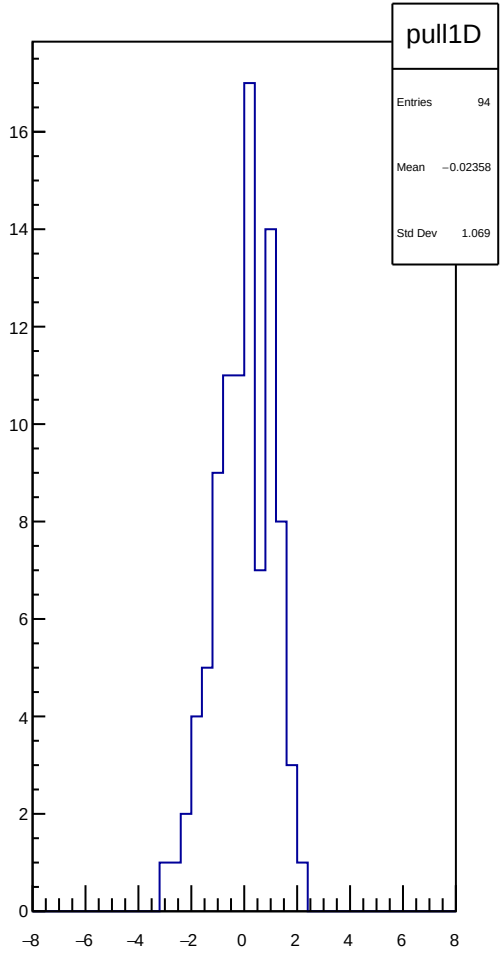

pull1D
Entries 94
Mean 0.0406
Std Dev 0.9919

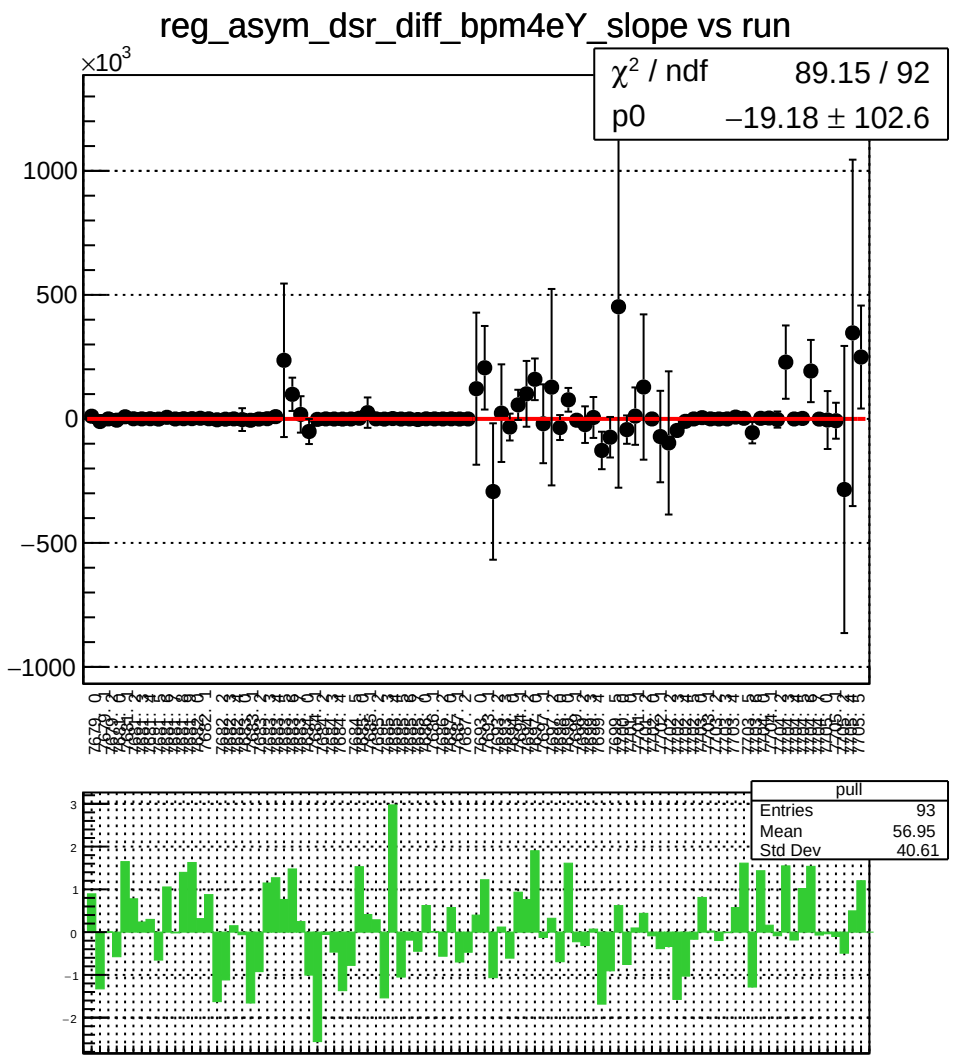

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
2000
1500
1000
500
0
−500
−1000
χ² / ndf 107.7 / 93
p0 124.4 ± 41.63
pull
Entries 94
Mean 58.82
Std Dev 57.32
3
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.03558
Std Dev 1.07
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

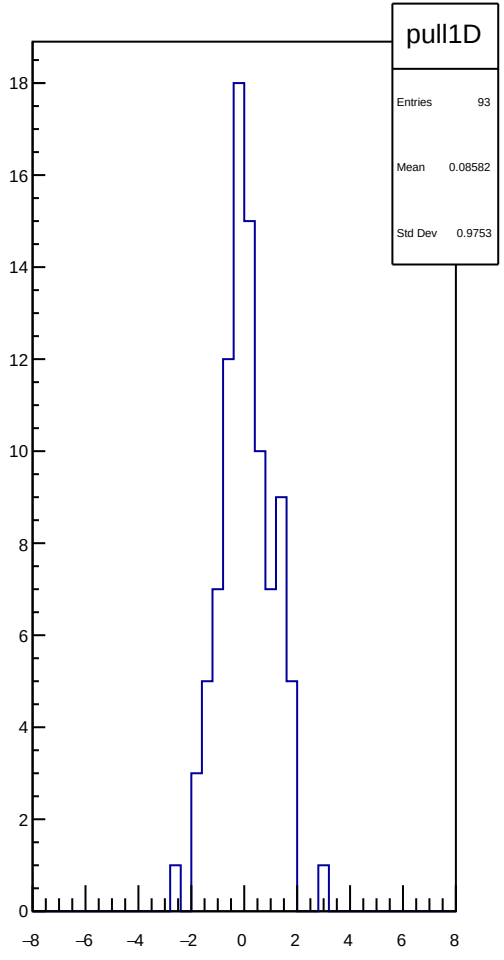

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 89.8 / 92
p0 17.81 ± 69.55
pull
Entries 93
Mean 59.21
Std Dev 39.33

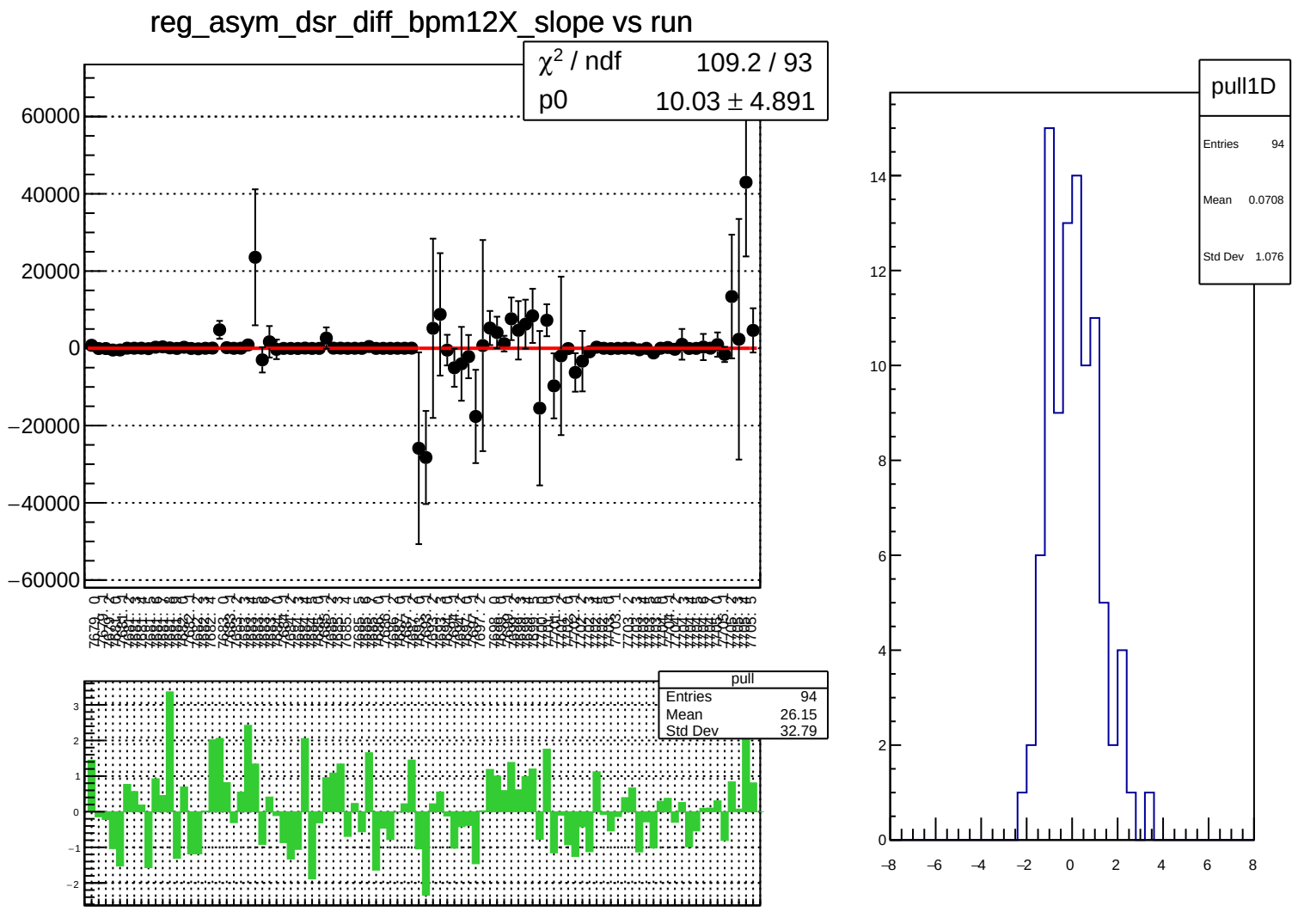

pull1D
Entries 93
Mean −0.08365
Std Dev 0.9791

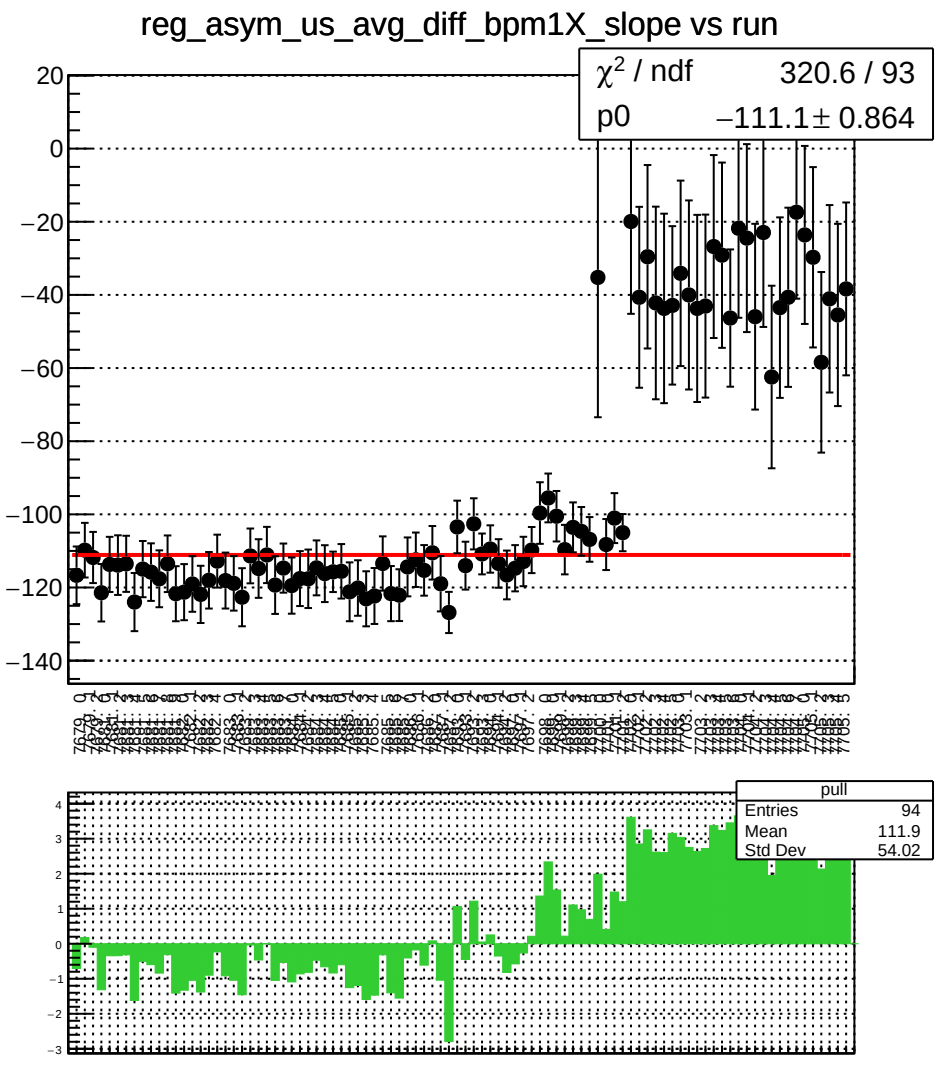

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 107.5 / 93
p0 −105.7 ± 33.73
1000
500
0
−500
−1000
−1500
pull
Entries 94
Mean 66.56
Std Dev 65.52
2
1
0
−1
−2
−3

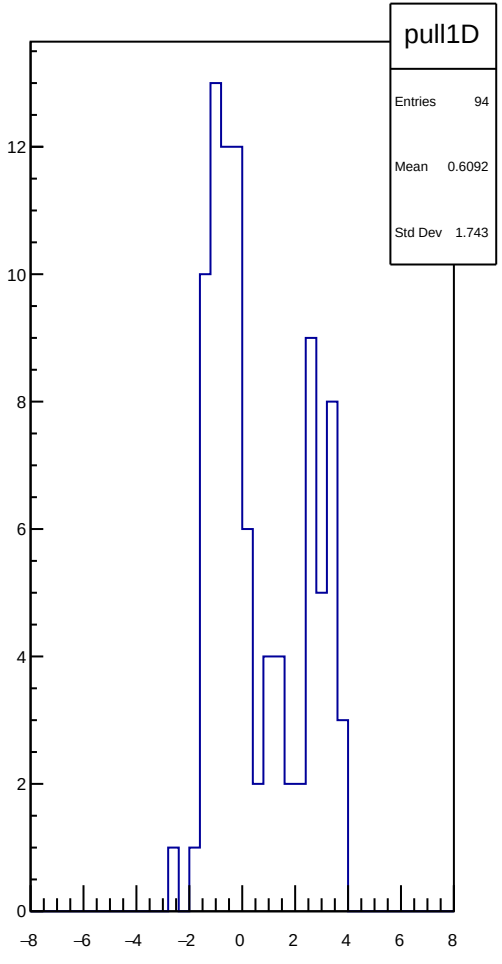

pull1D
Entries 94
Mean −0.02358
Std Dev 1.069
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

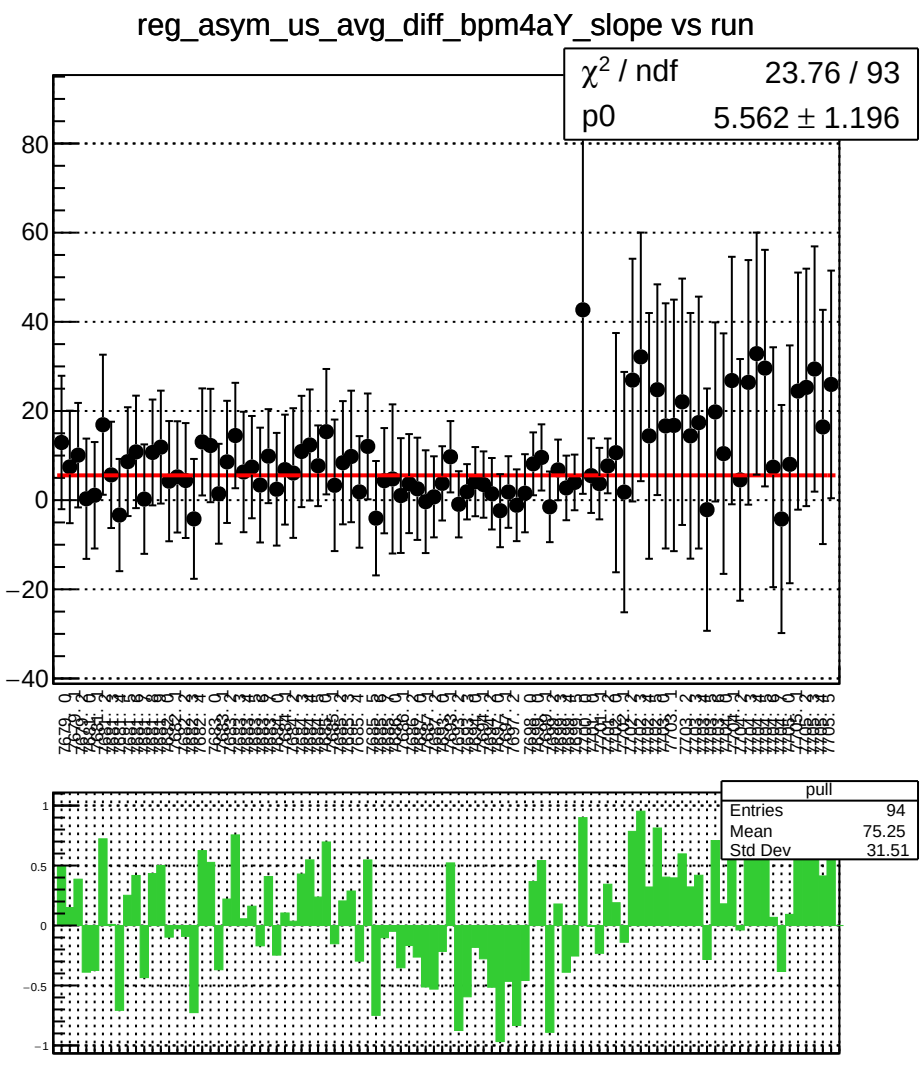

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 89.15 / 92
p0 −19.18 ± 102.6
1000
500
0
−500
−1000
pull
Entries 93
Mean 56.95
Std Dev 40.61
3
2
1
0
−1
−2

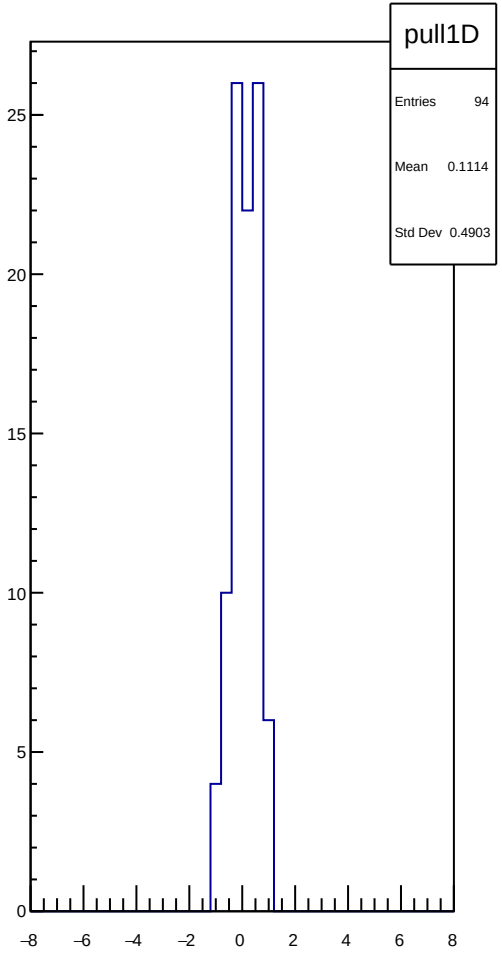

pull1D
Entries 93
Mean 0.08582
Std Dev 0.9753
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

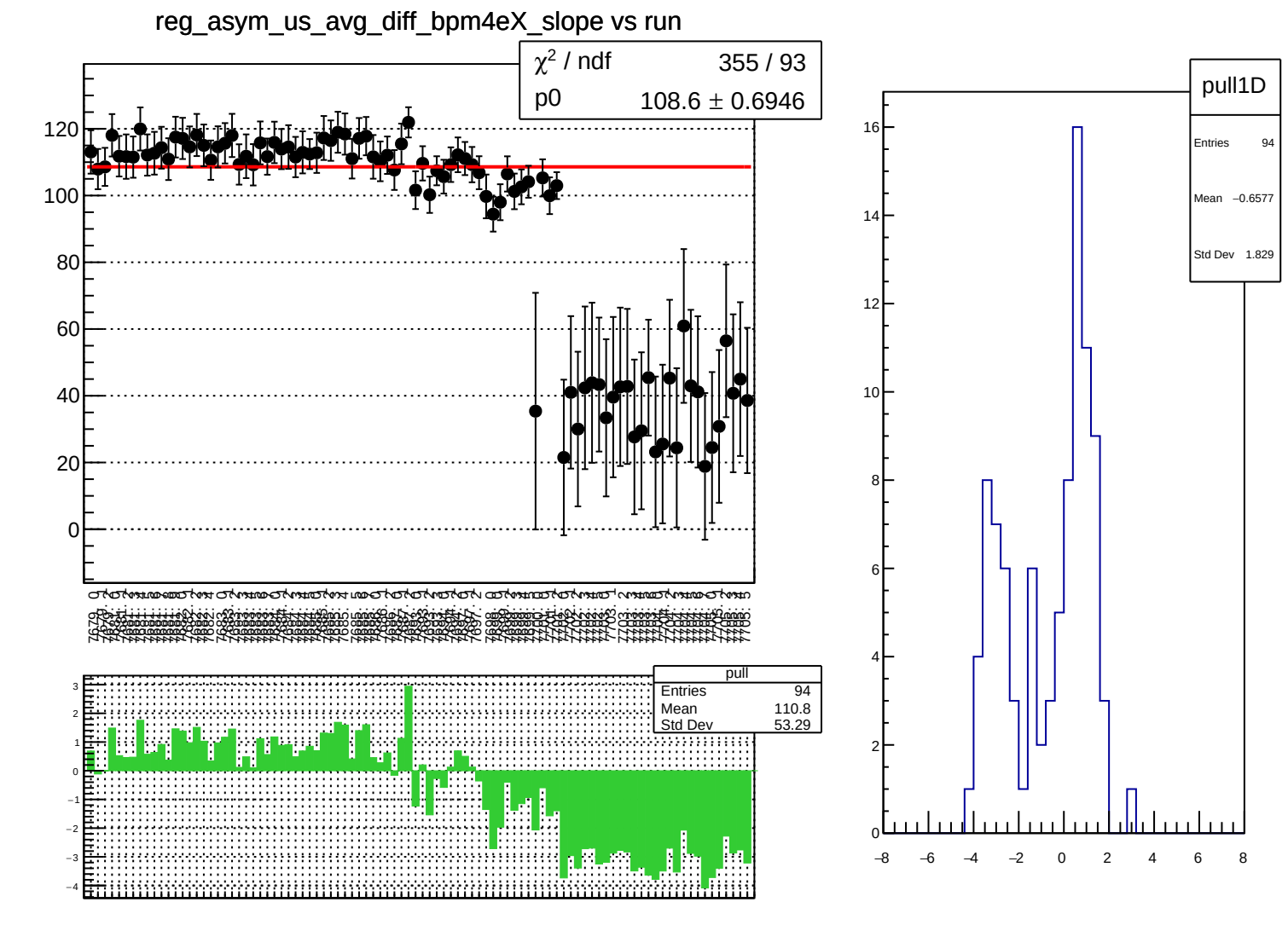

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 109.2 / 93
p0 10.03 ± 4.891
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 94
Mean 26.15
Std Dev 32.79
3
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.0708
Std Dev 1.076
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

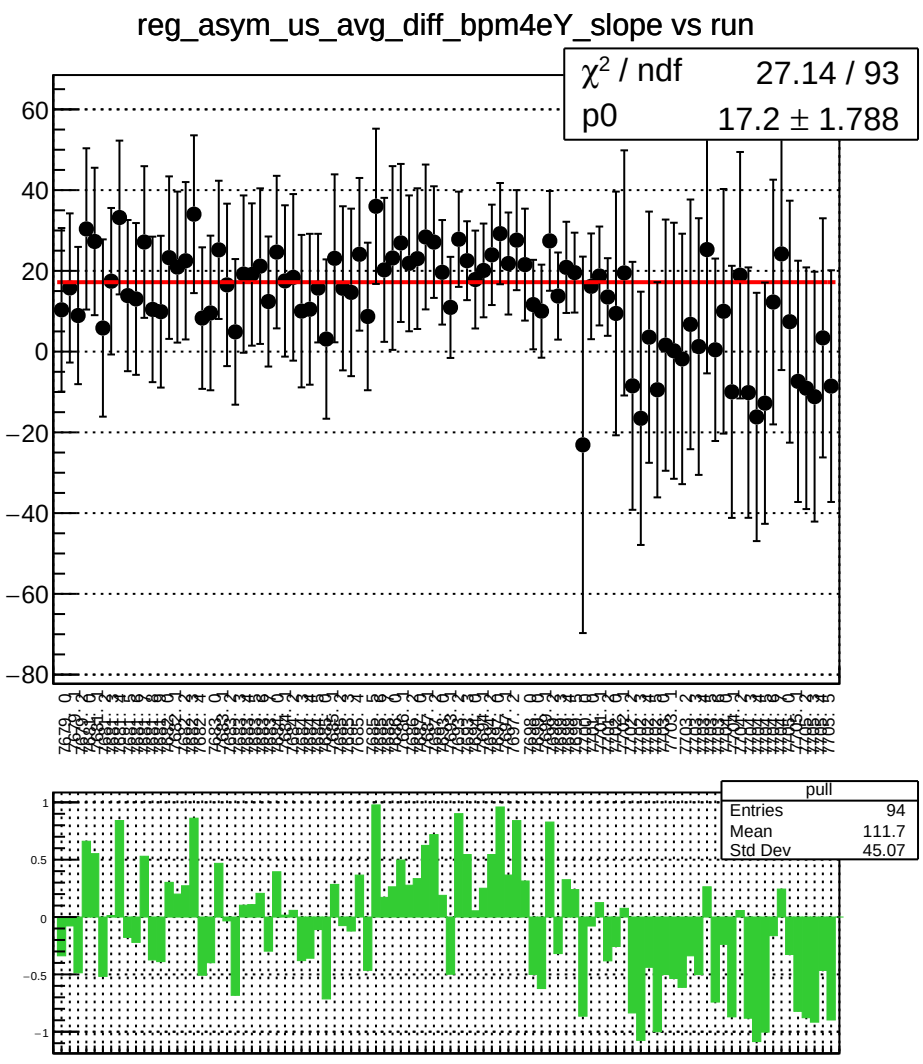

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 320.6 / 93
p0 −111.1 ± 0.864
pull
Entries 94
Mean 111.9
Std Dev 54.02

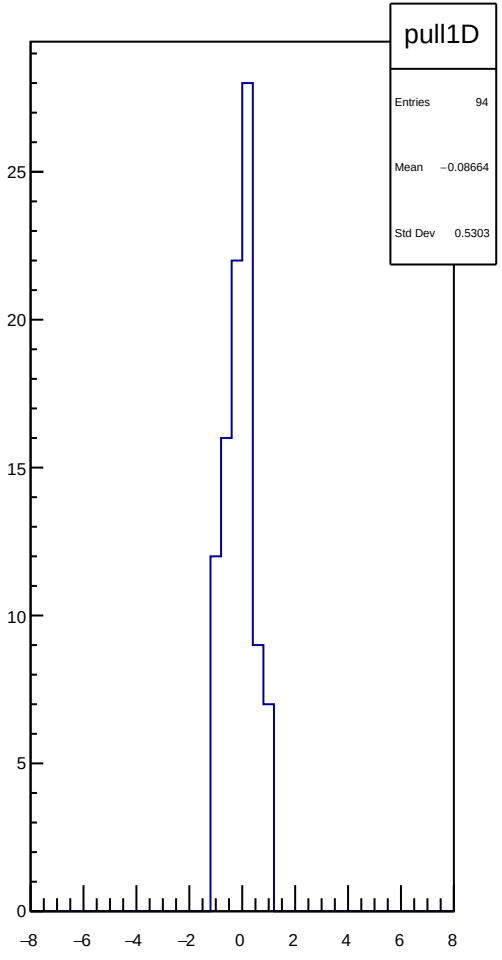

pull1D
Entries 94
Mean 0.6092
Std Dev 1.743

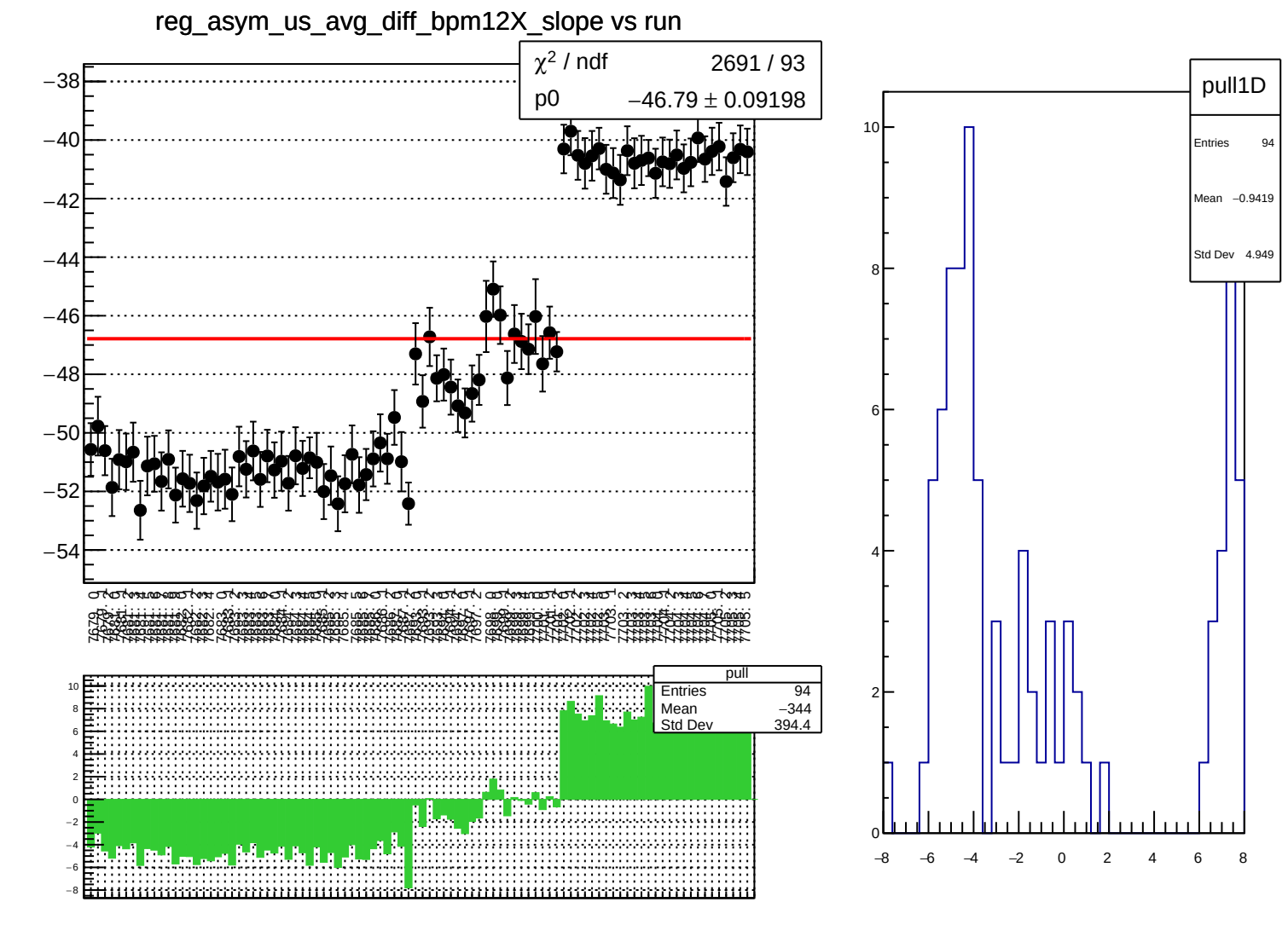

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.76 / 93
p0 5.562 ± 1.196
pull
Entries 94
Mean 75.25
Std Dev 31.51

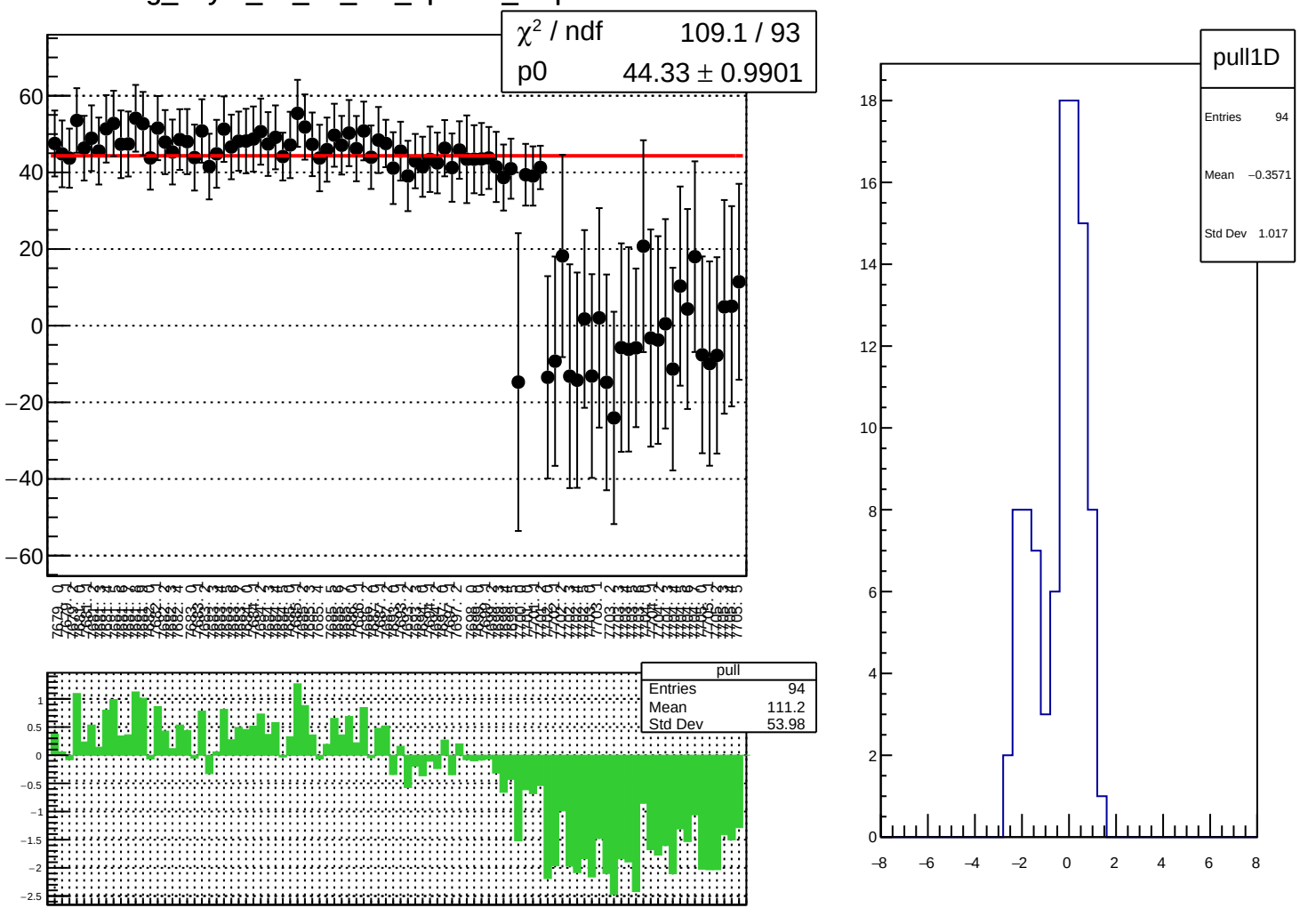

pull1D
Entries 94
Mean 0.1114
Std Dev 0.4903

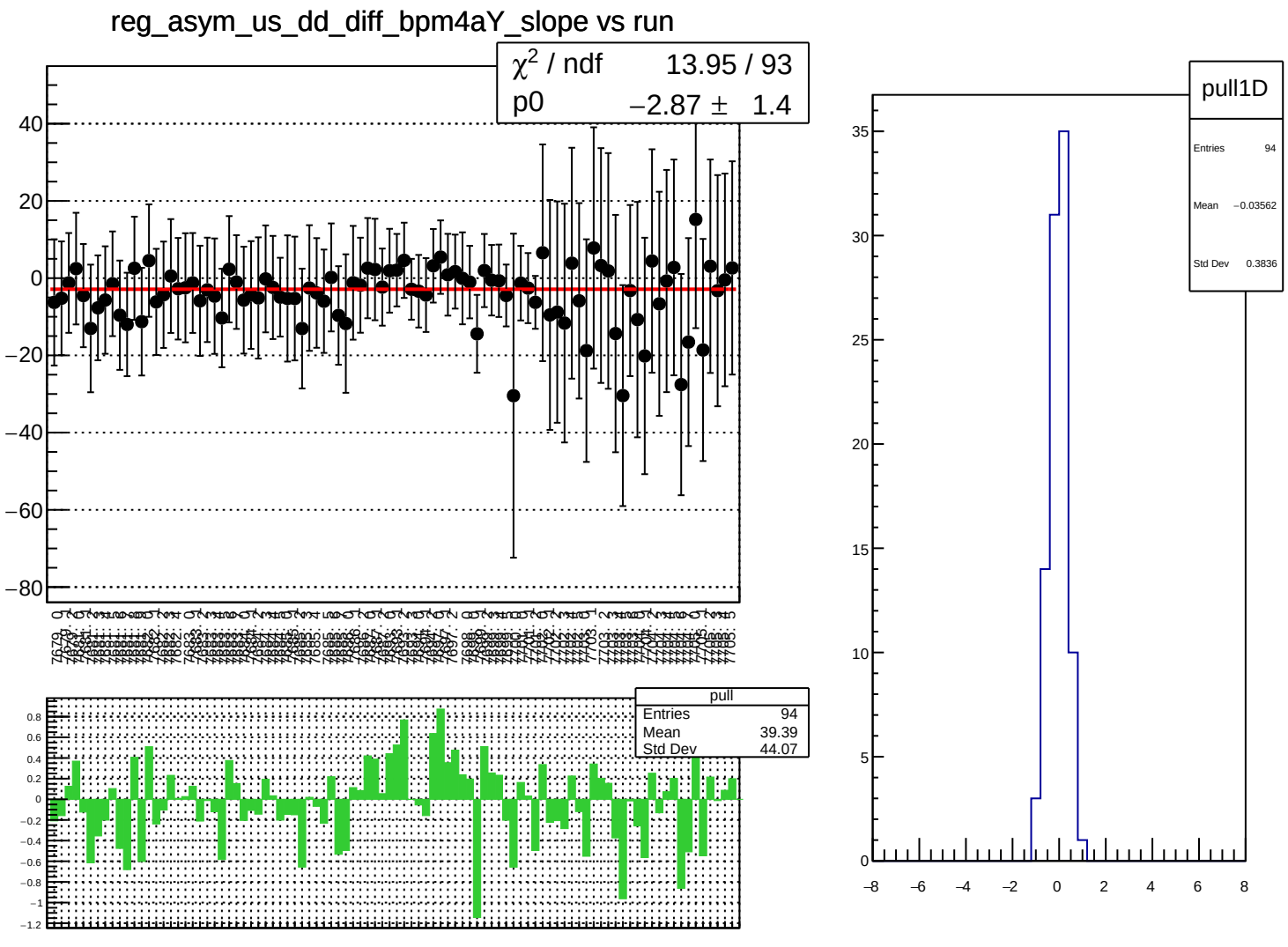

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 355 / 93
p0 108.6 ± 0.6946
pull
Entries 94
Mean 110.8
Std Dev 53.29
pull1D
Entries 94
Mean −0.6577
Std Dev 1.829

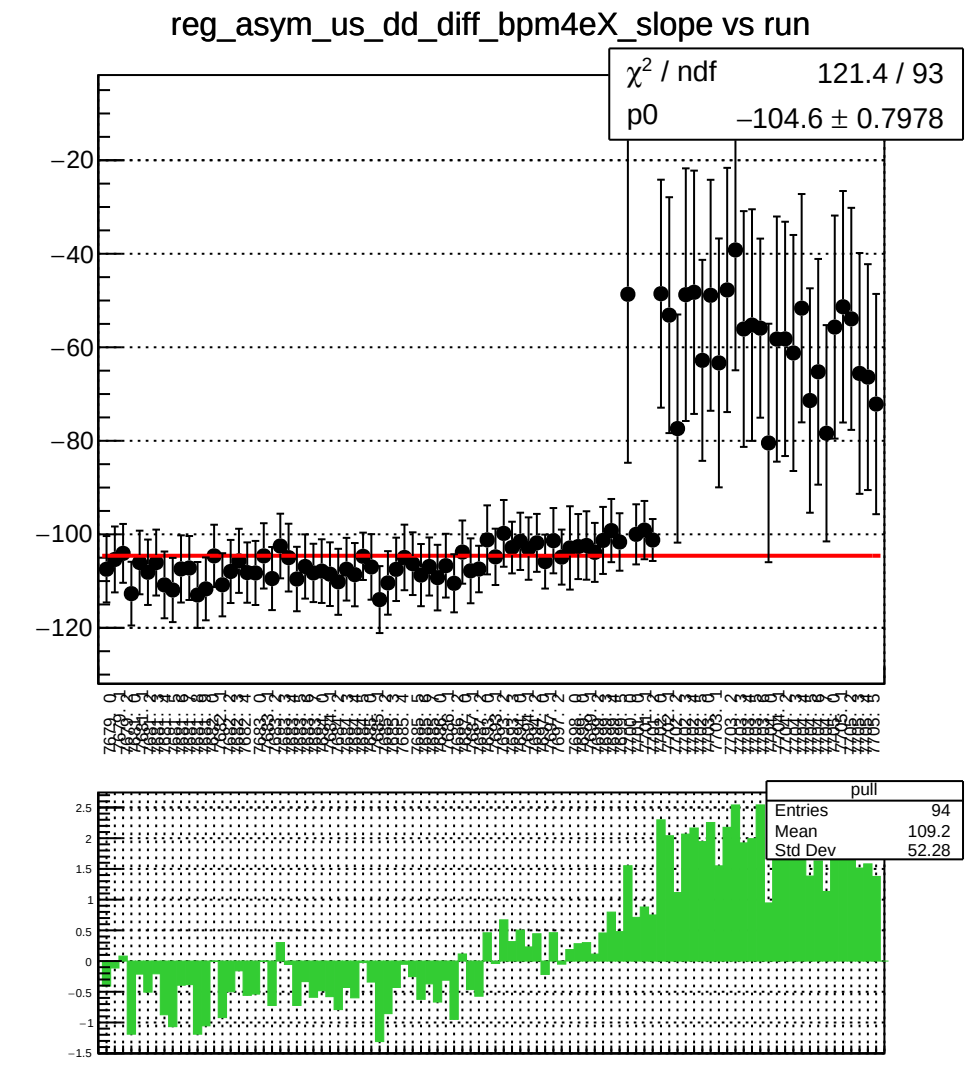

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.14 / 93
p0 17.2 ± 1.788
pull
Entries 94
Mean 111.7
Std Dev 45.07

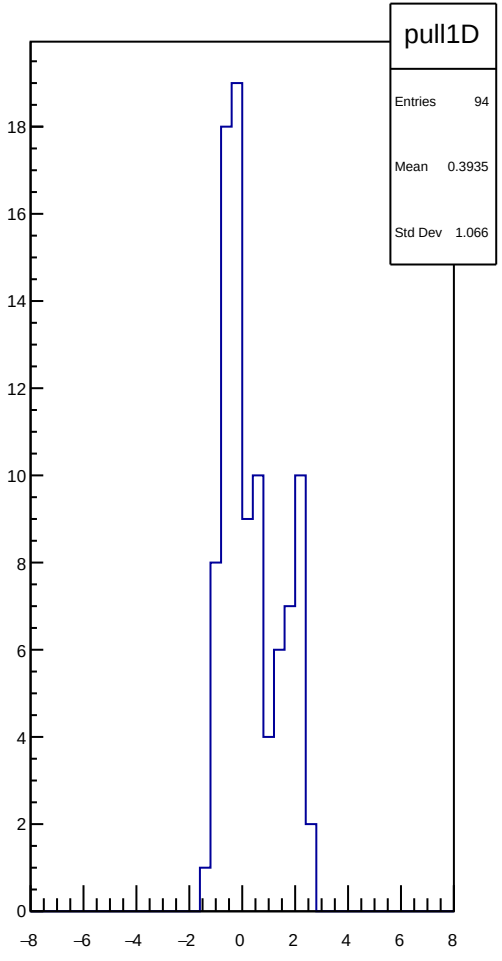

pull1D
Entries 94
Mean −0.08664
Std Dev 0.5303

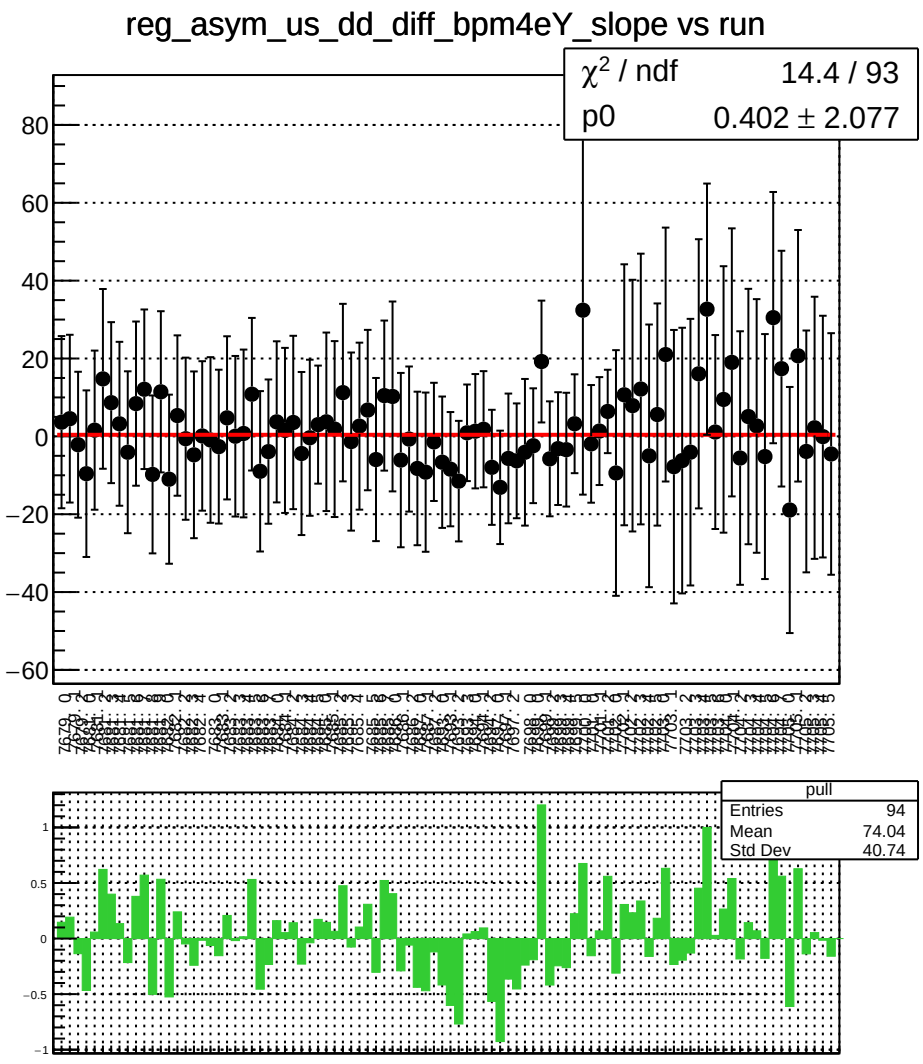

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 2691 / 93
p0 −46.79 ± 0.09198
pull
Entries 94
Mean −344
Std Dev 394.4
pull1D
Entries 94
Mean −0.9419
Std Dev 4.949

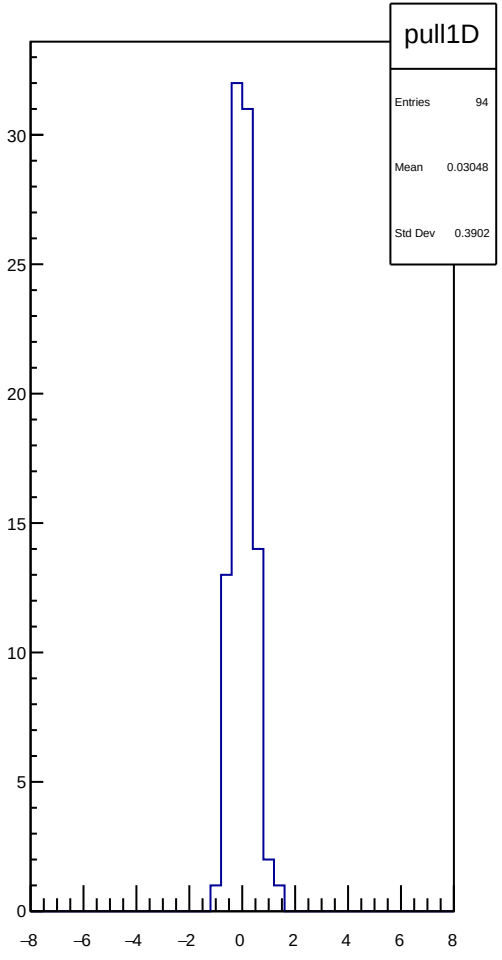

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 109.1 / 93
p0 44.33 ± 0.9901
pull
Entries 94
Mean 111.2
Std Dev 53.98
pull1D
Entries 94
Mean −0.3571
Std Dev 1.017

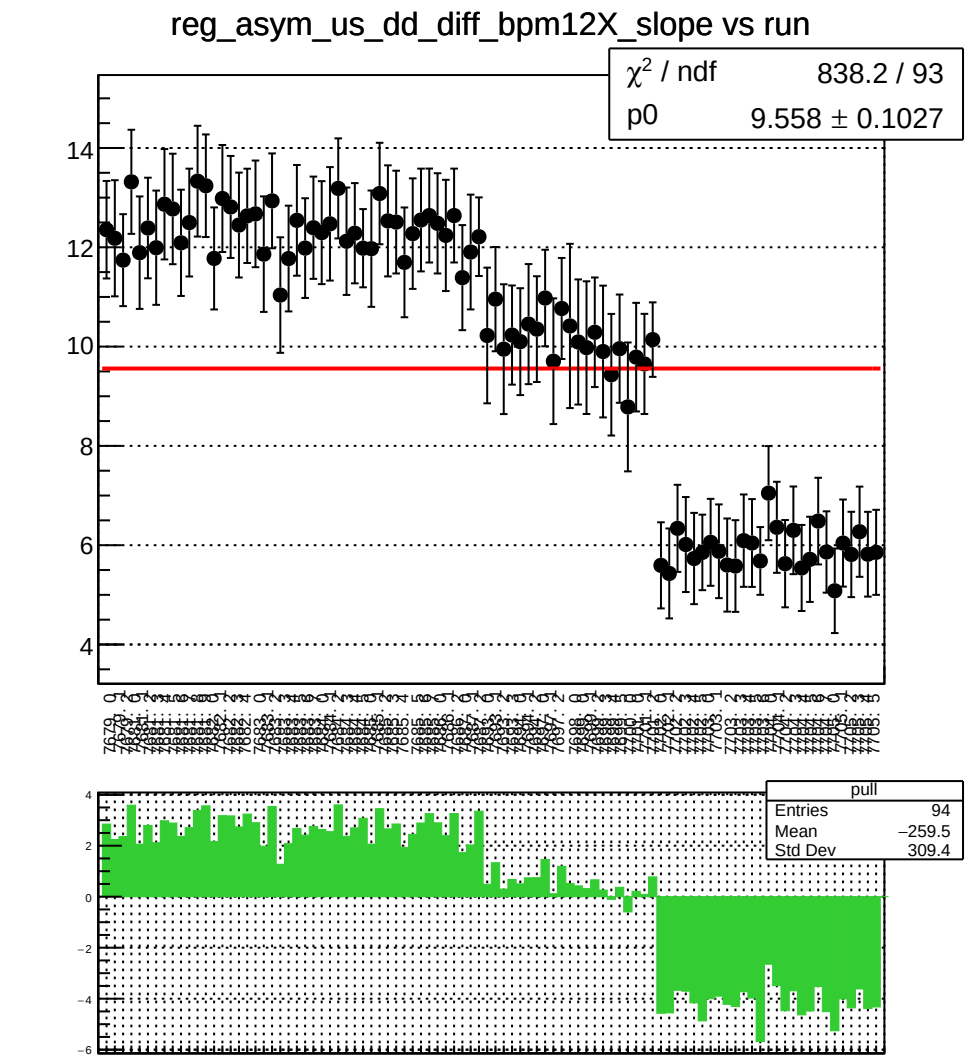

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.95 / 93
p0 −2.87 ± 1.4
pull
Entries 94
Mean 39.39
Std Dev 44.07
pull1D
Entries 94
Mean −0.03562
Std Dev 0.3836

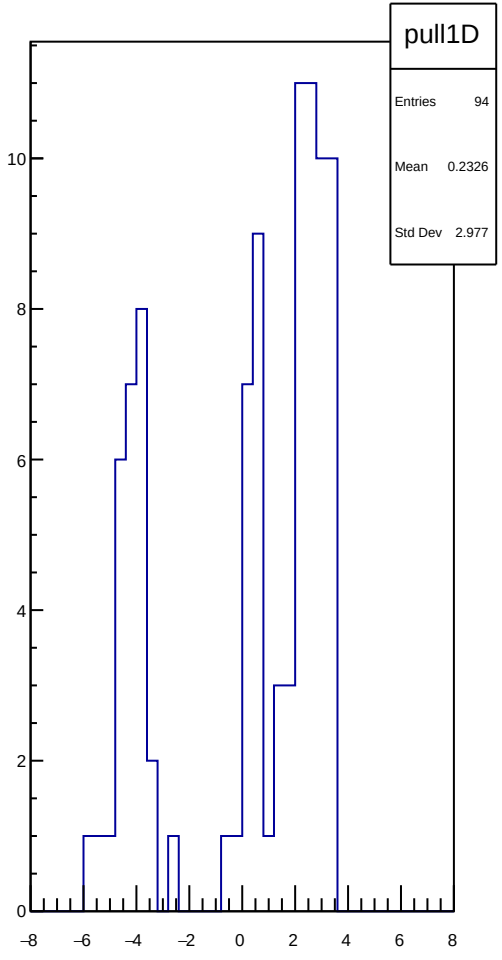

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 121.4 / 93
p0 −104.6 ± 0.7978
pull
Entries 94
Mean 109.2
Std Dev 52.28

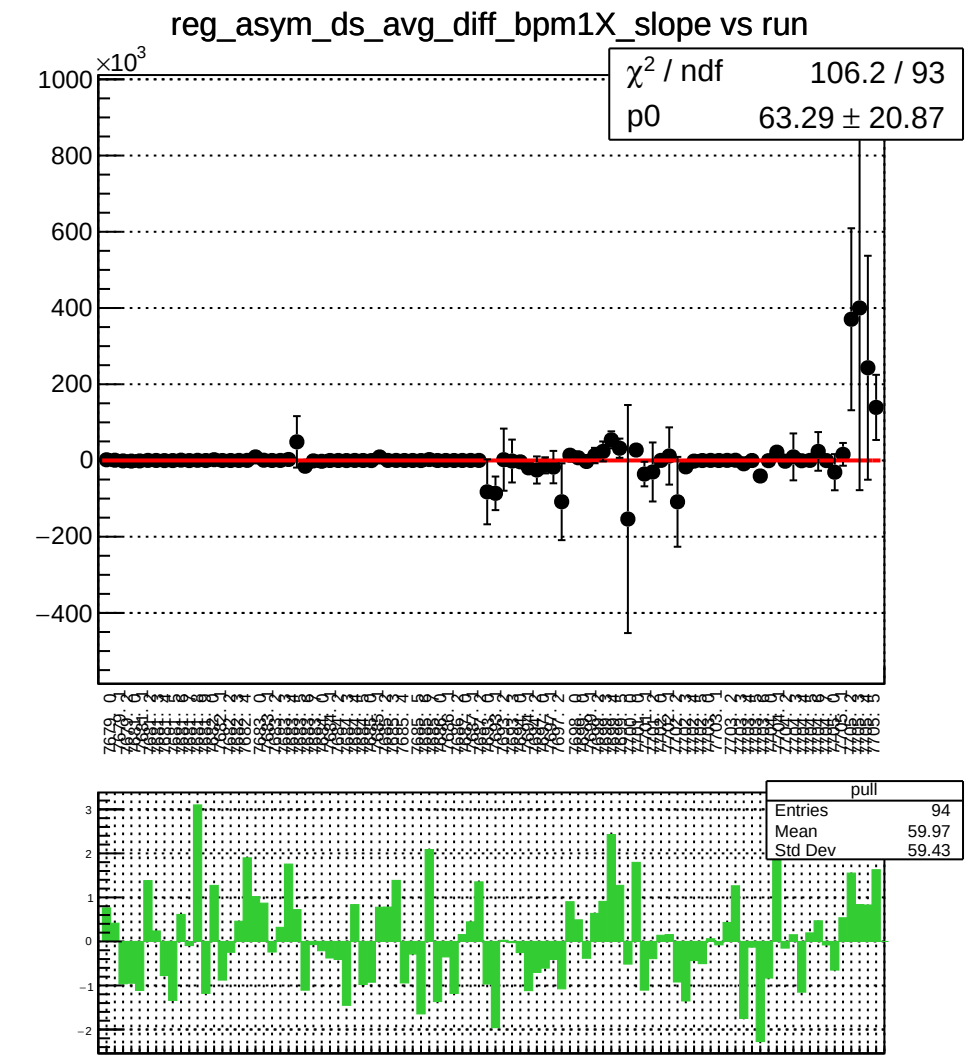

pull1D
Entries 94
Mean 0.3935
Std Dev 1.066

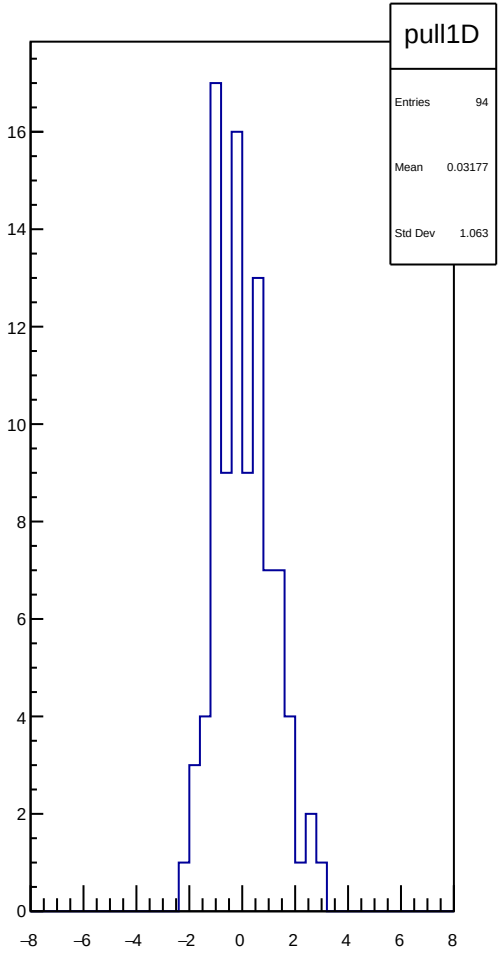

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.4 / 93
p0 0.402 ± 2.077
pull
Entries 94
Mean 74.04
Std Dev 40.74

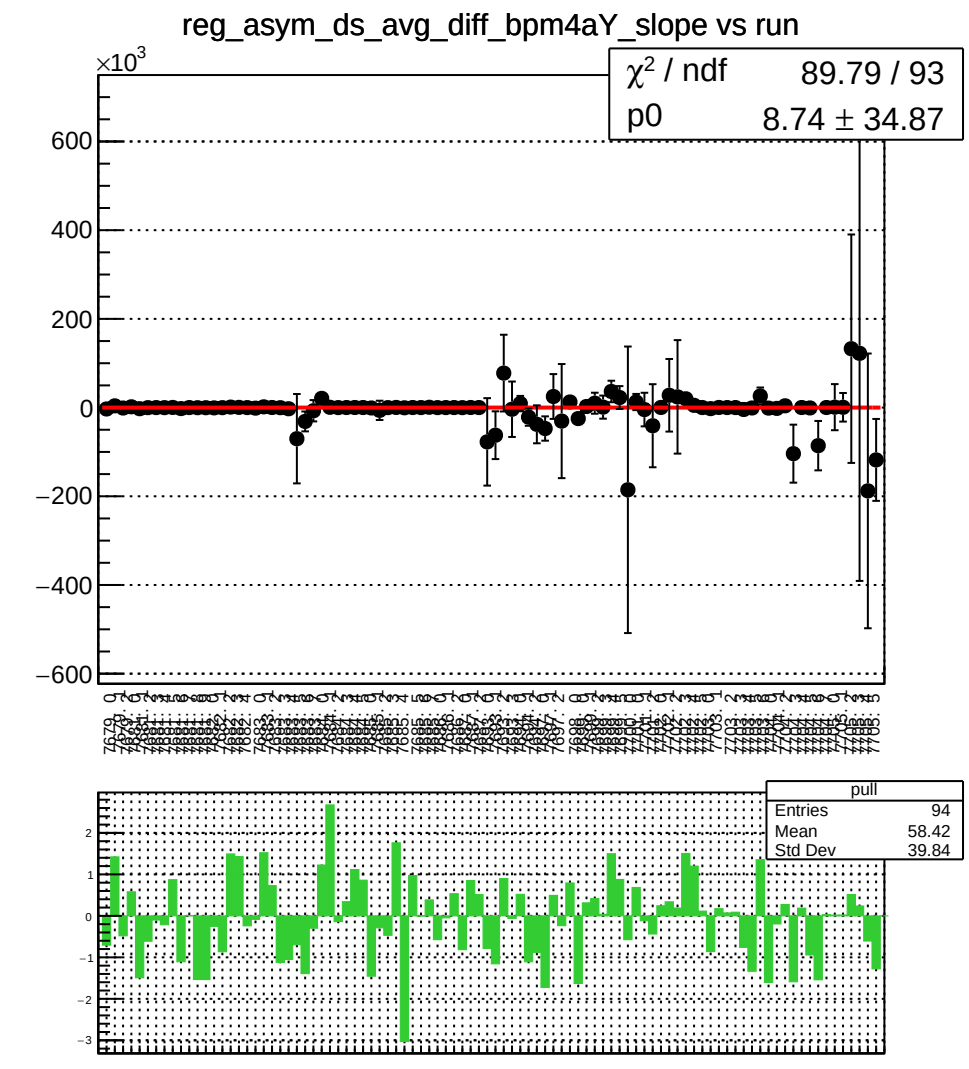

pull1D
Entries 94
Mean 0.03048
Std Dev 0.3902

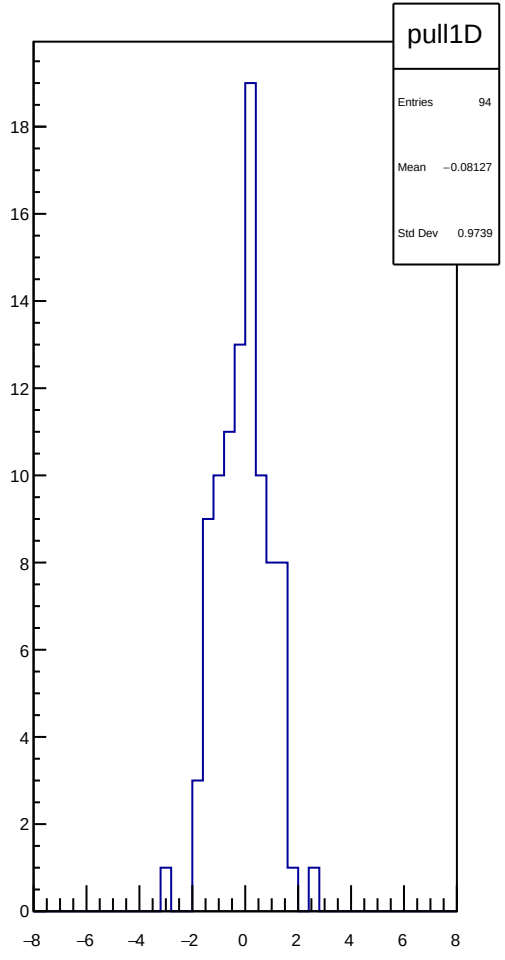

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 838.2 / 93
p0 9.558 ± 0.1027
pull
Entries 94
Mean −259.5
Std Dev 309.4

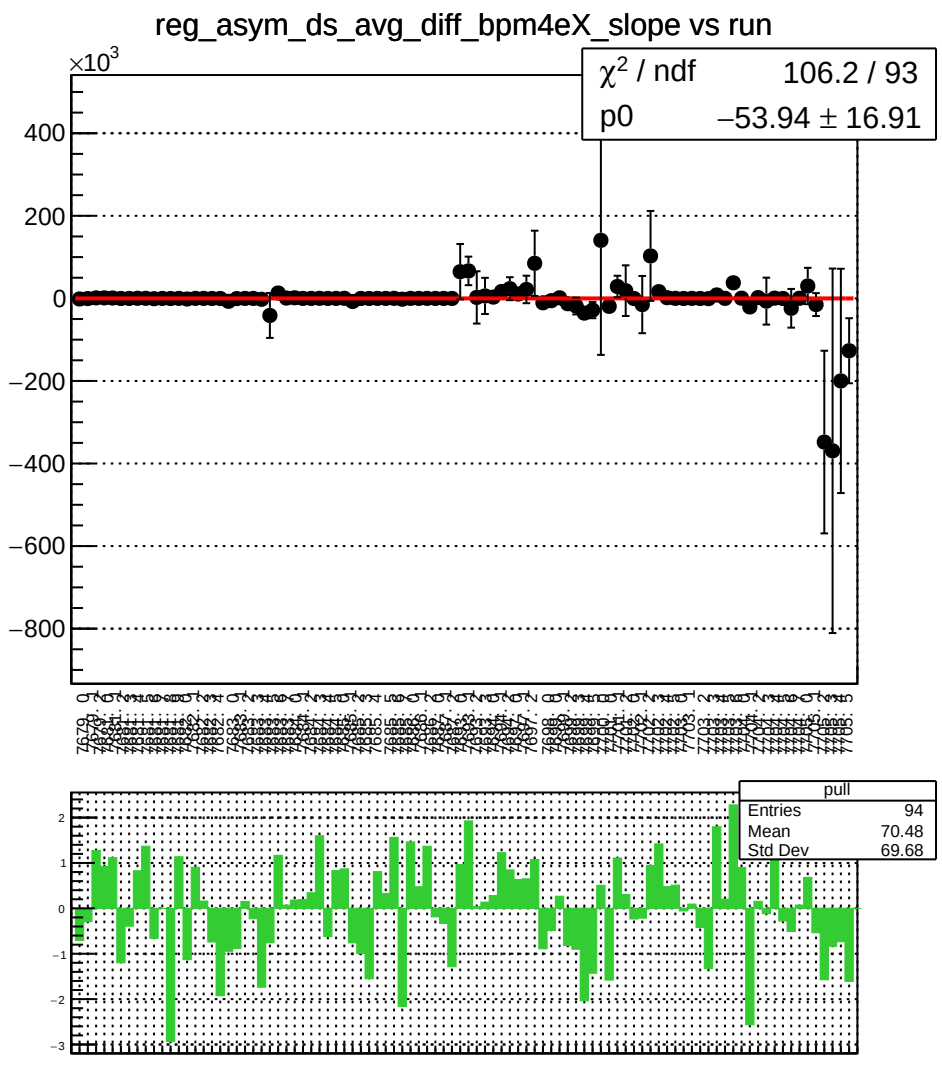

pull1D
Entries 94
Mean 0.2326
Std Dev 2.977

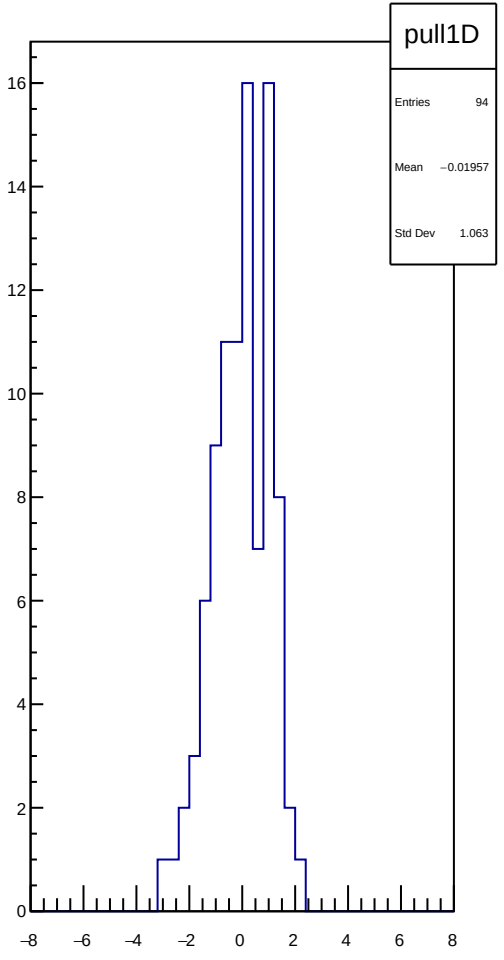

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 106.2 / 93
p0 63.29 ± 20.87
pull
Entries 94
Mean 59.97
Std Dev 59.43

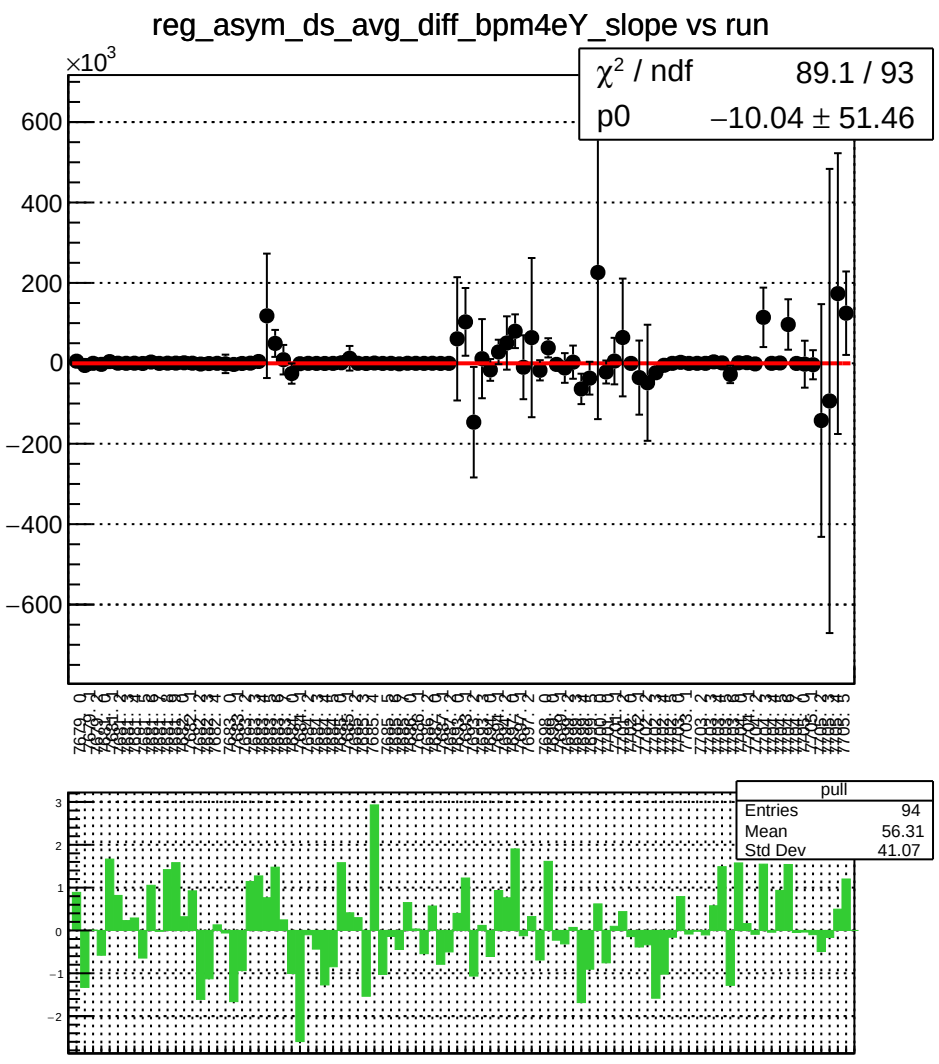

pull1D
Entries 94
Mean 0.03177
Std Dev 1.063

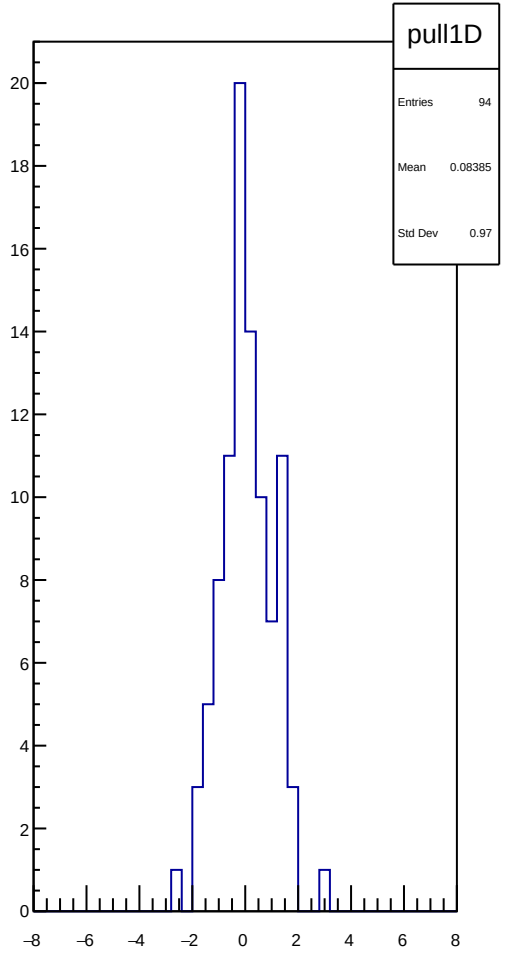

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 89.79 / 93
p0 8.74 ± 34.87
×10^3
600
400
200
0
−200
−400
−600
pull
Entries 94
Mean 58.42
Std Dev 39.84
2
1
0
−1
−2
−3

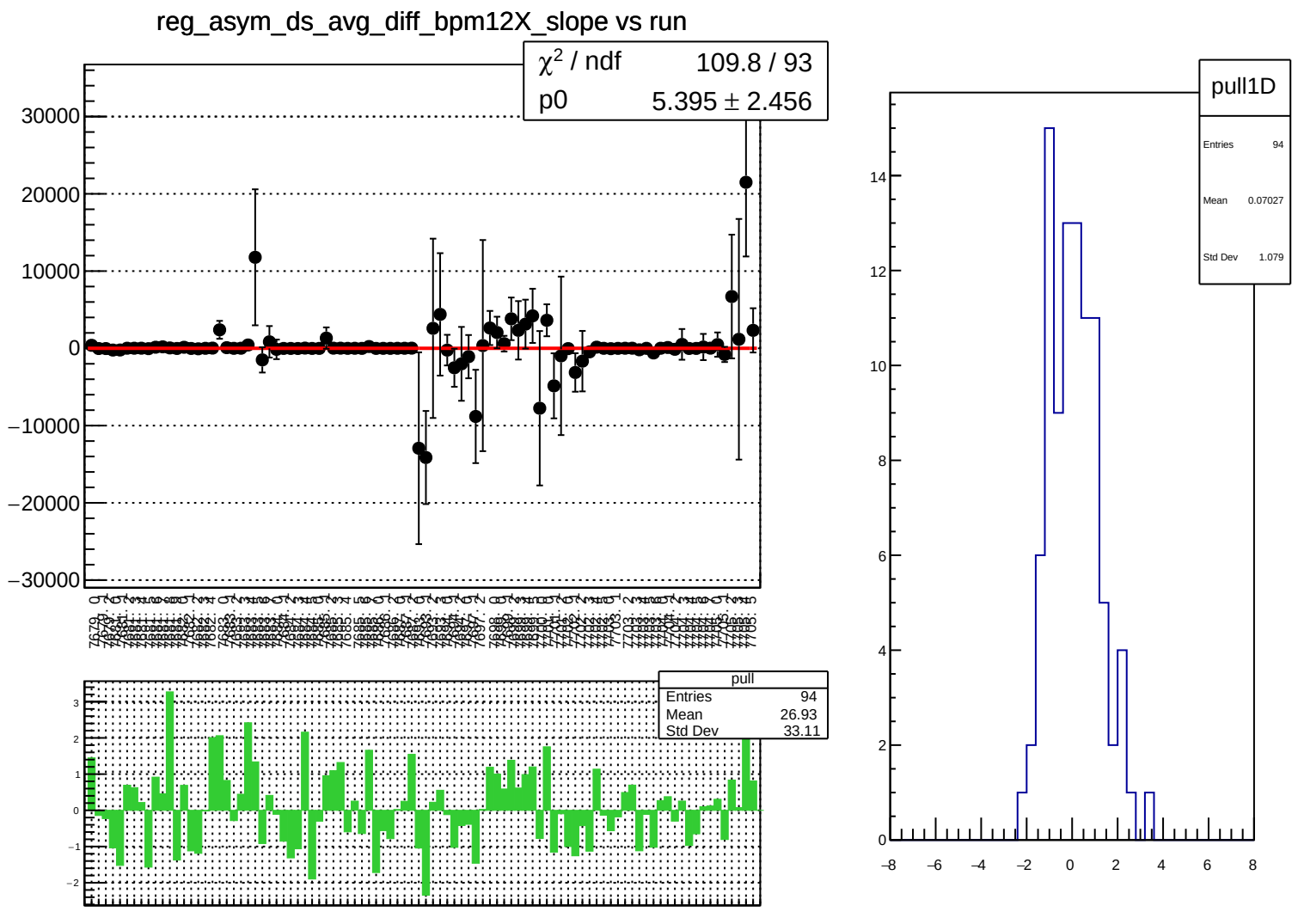

pull1D
Entries 94
Mean −0.08127
Std Dev 0.9739
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

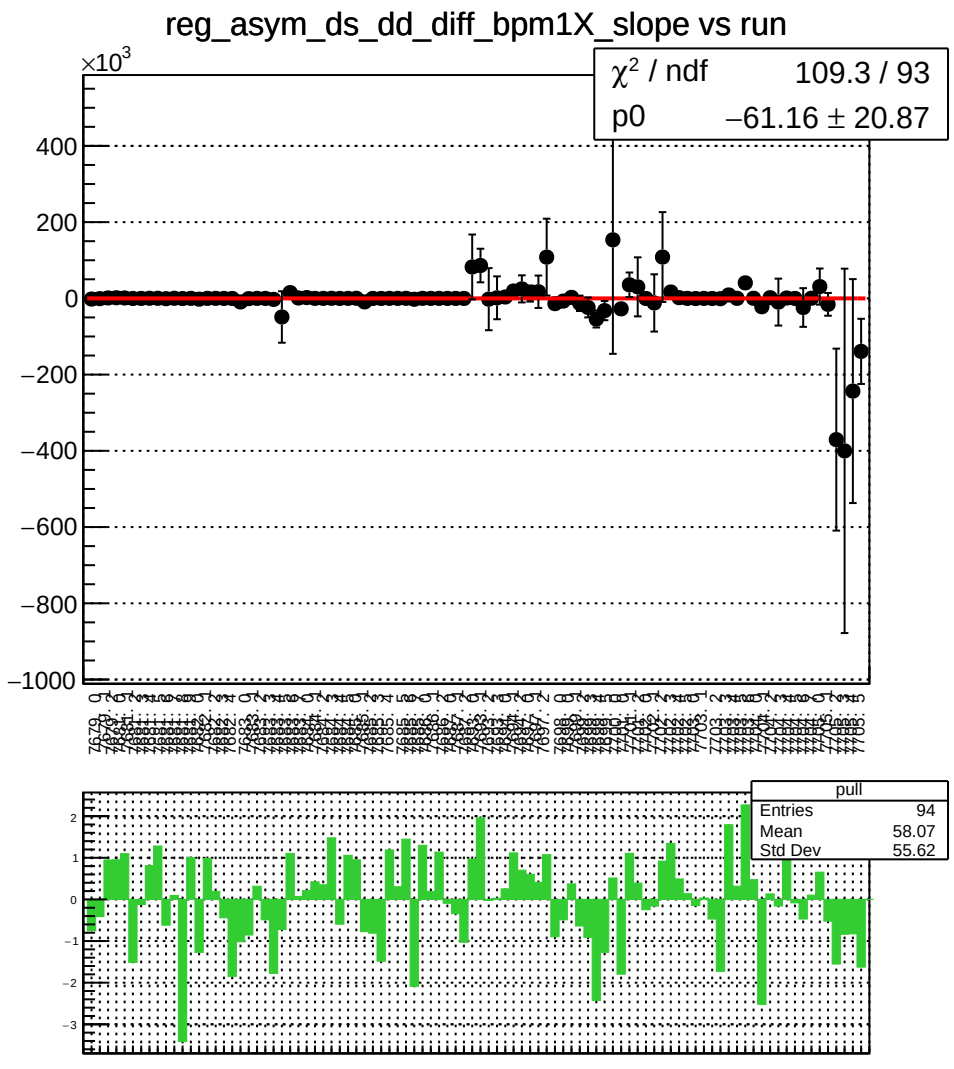

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 106.2 / 93
p0 −53.94 ± 16.91
400
200
0
−200
−400
−600
−800
pull
Entries 94
Mean 70.48
Std Dev 69.68
2
1
0
−1
−2
−3

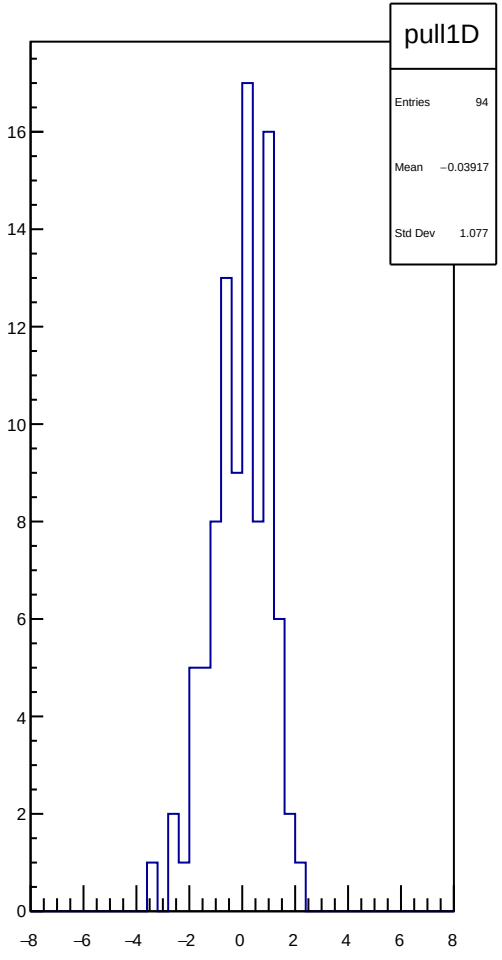

pull1D
Entries 94
Mean −0.01957
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

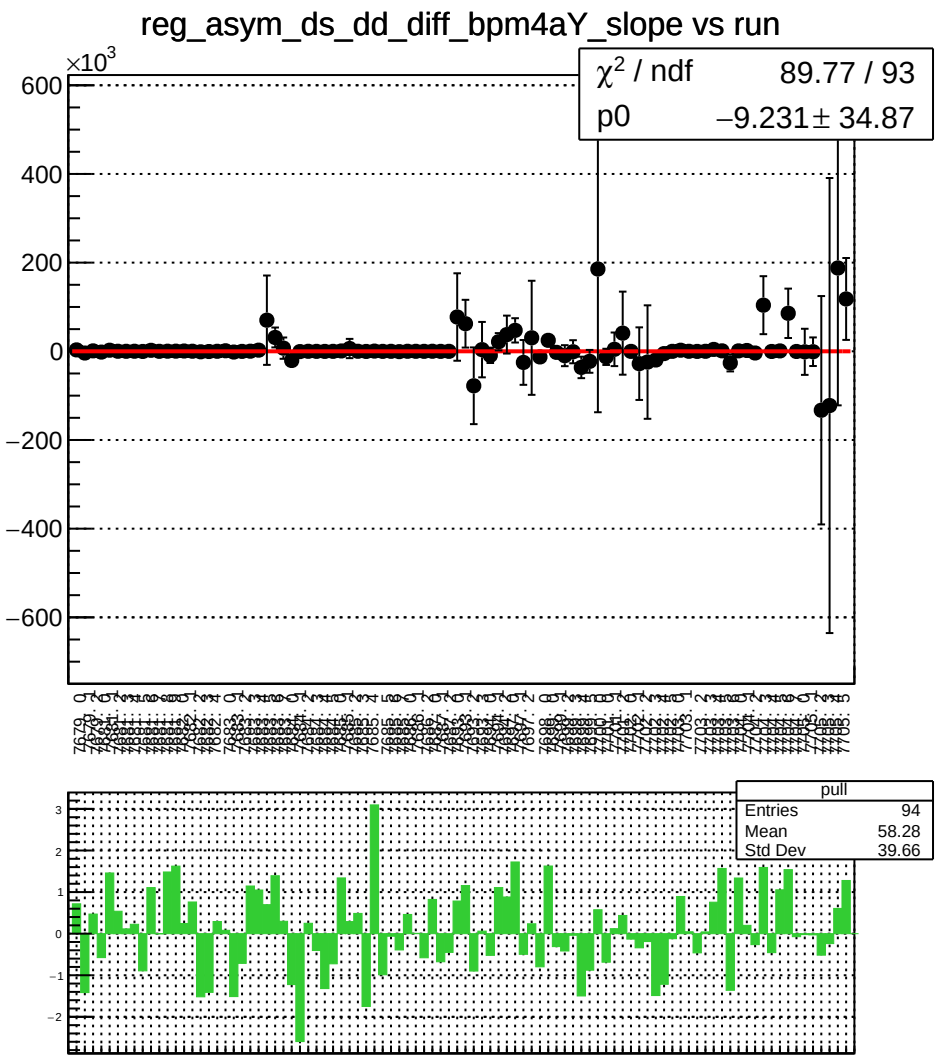

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 89.1 / 93
p0 −10.04 ± 51.46
600
400
200
0
−200
−400
−600
pull
Entries 94
Mean 56.31
Std Dev 41.07
3
2
1
0
−1
−2

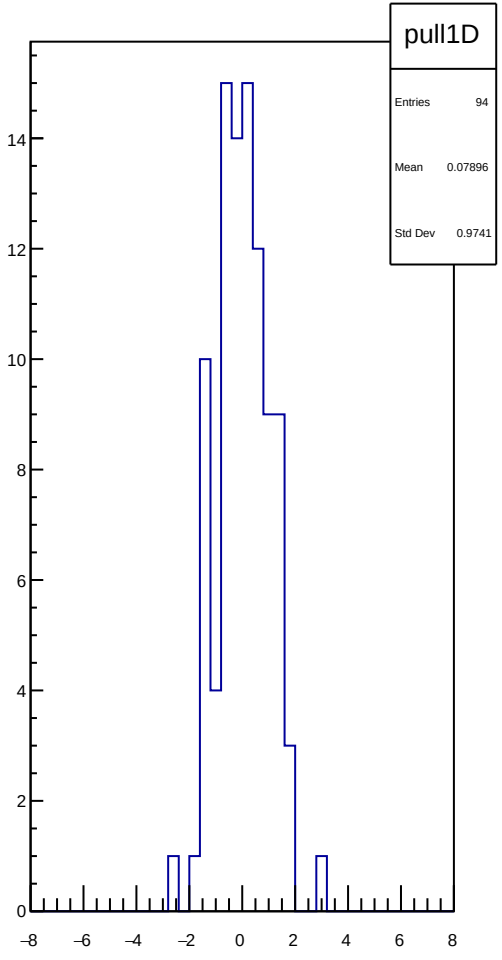

pull1D
Entries 94
Mean 0.08385
Std Dev 0.97
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

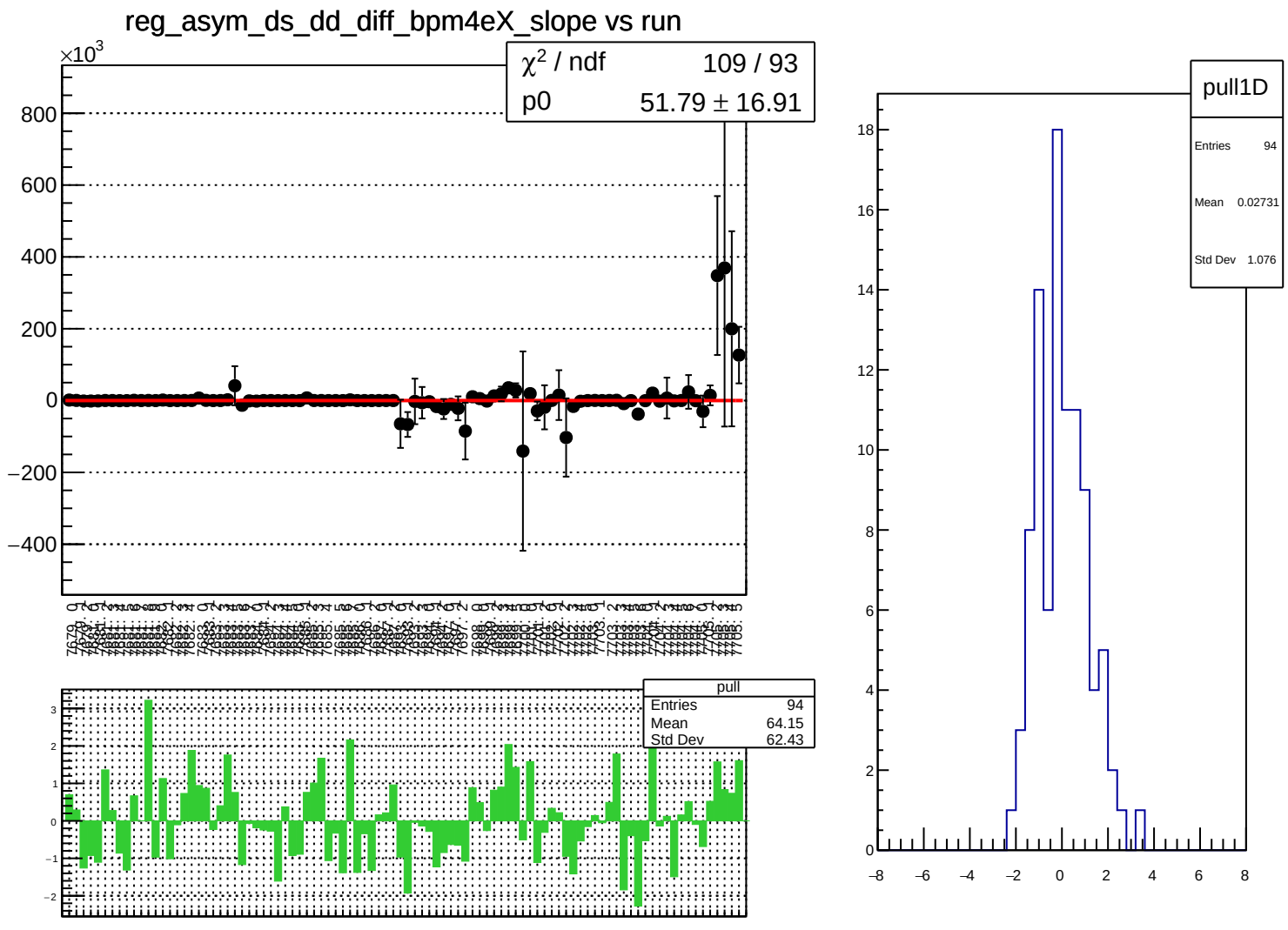

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 109.8 / 93
p0 5.395 ± 2.456
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean 26.93
Std Dev 33.11
3
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.07027
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

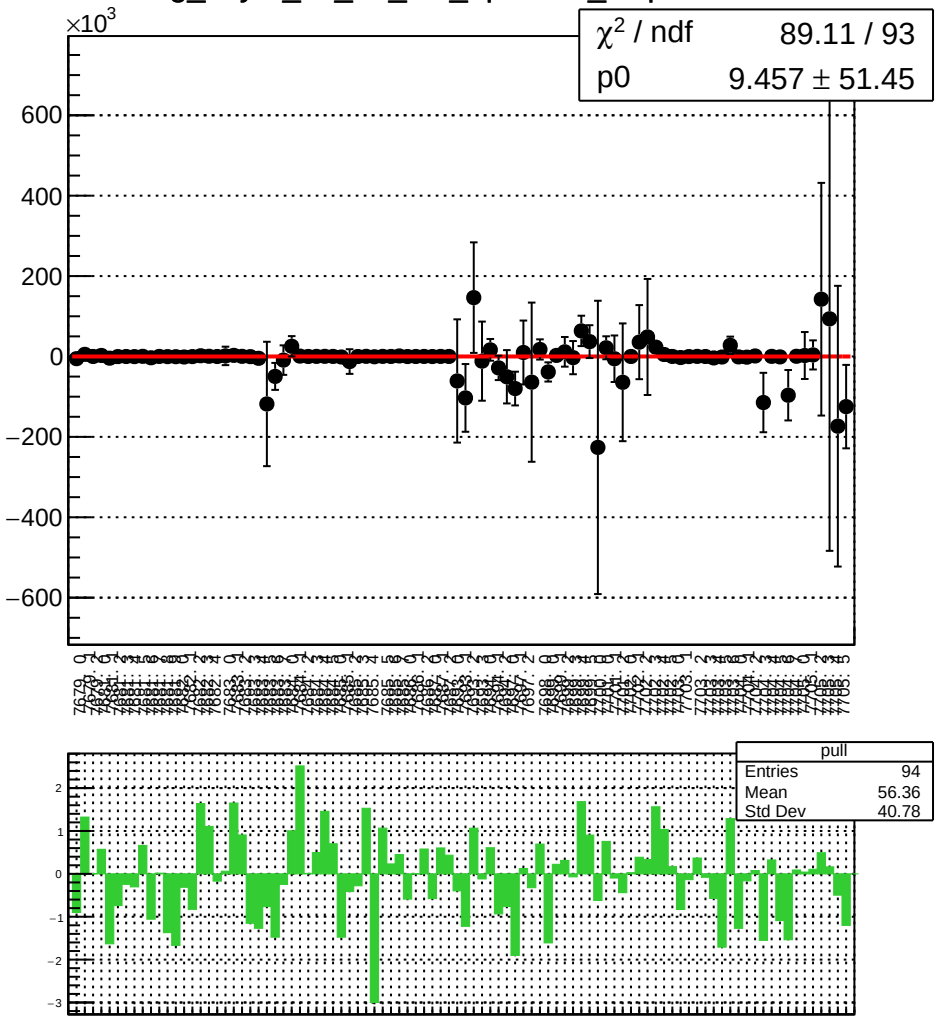

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 109.3 / 93
p0 −61.16 ± 20.87
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 94
Mean 58.07
Std Dev 55.62
2
1
0
−1
−2
−3

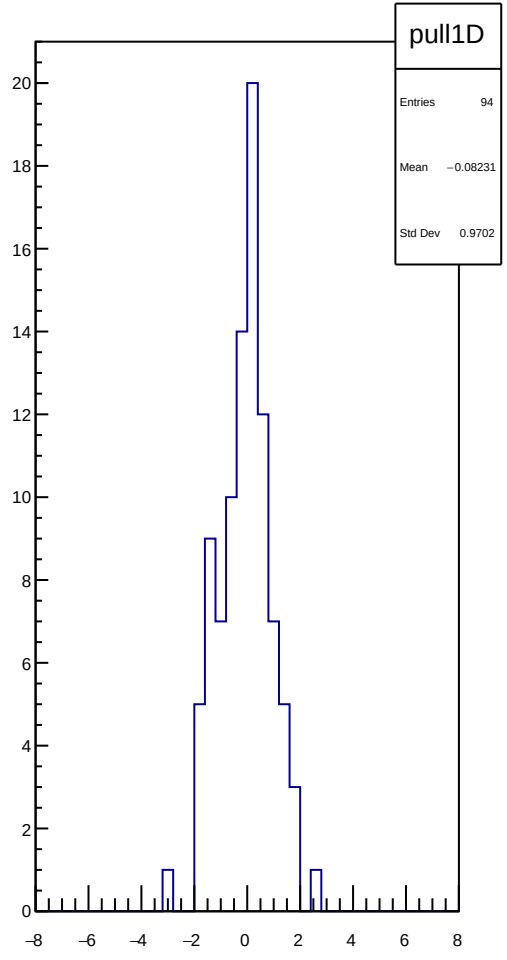

pull1D
Entries 94
Mean −0.03917
Std Dev 1.077
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

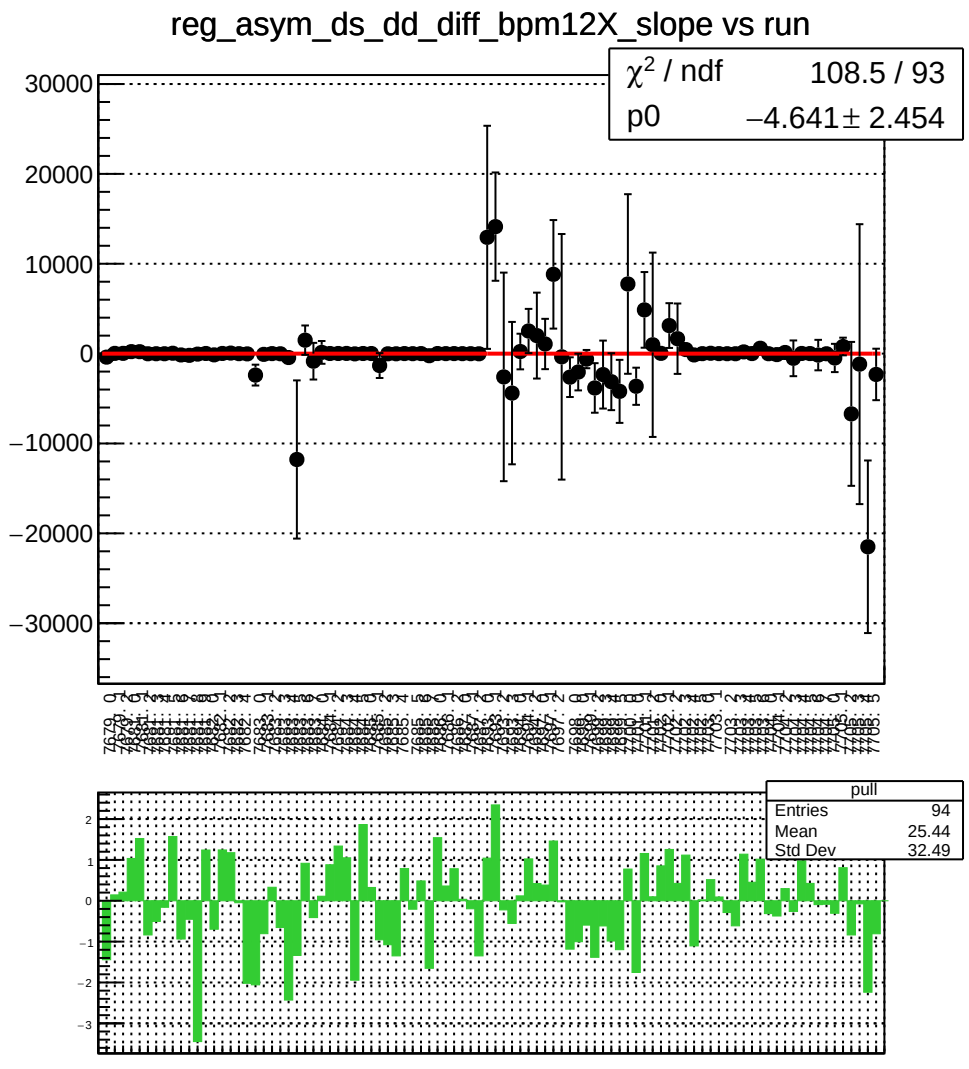

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 89.77 / 93
p0 −9.231 ± 34.87
pull
Entries 94
Mean 58.28
Std Dev 39.66

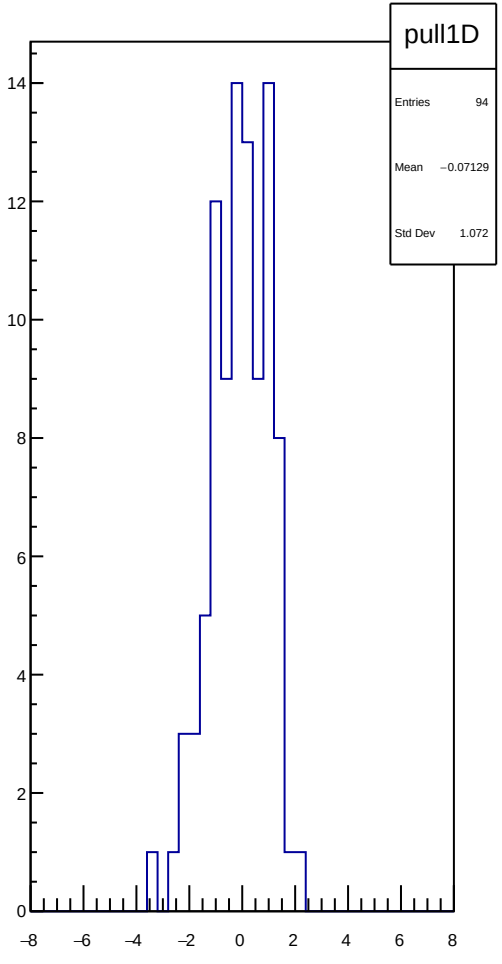

pull1D
Entries 94
Mean 0.07896
Std Dev 0.9741

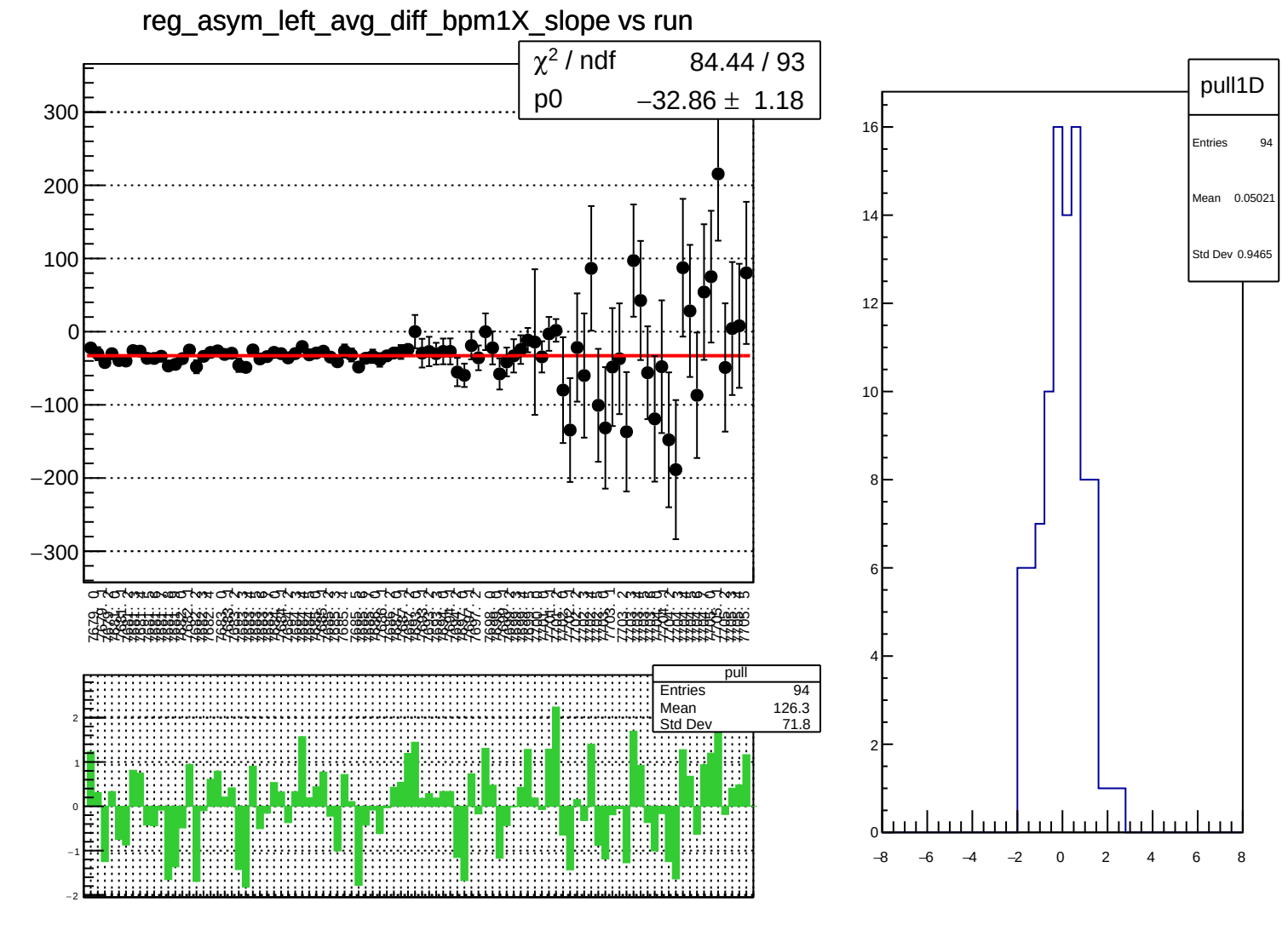

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 109 / 93
p0 51.79 ± 16.91
800
600
400
200
0
−200
−400
pull
Entries 94
Mean 64.15
Std Dev 62.43
3
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.02731
Std Dev 1.076
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

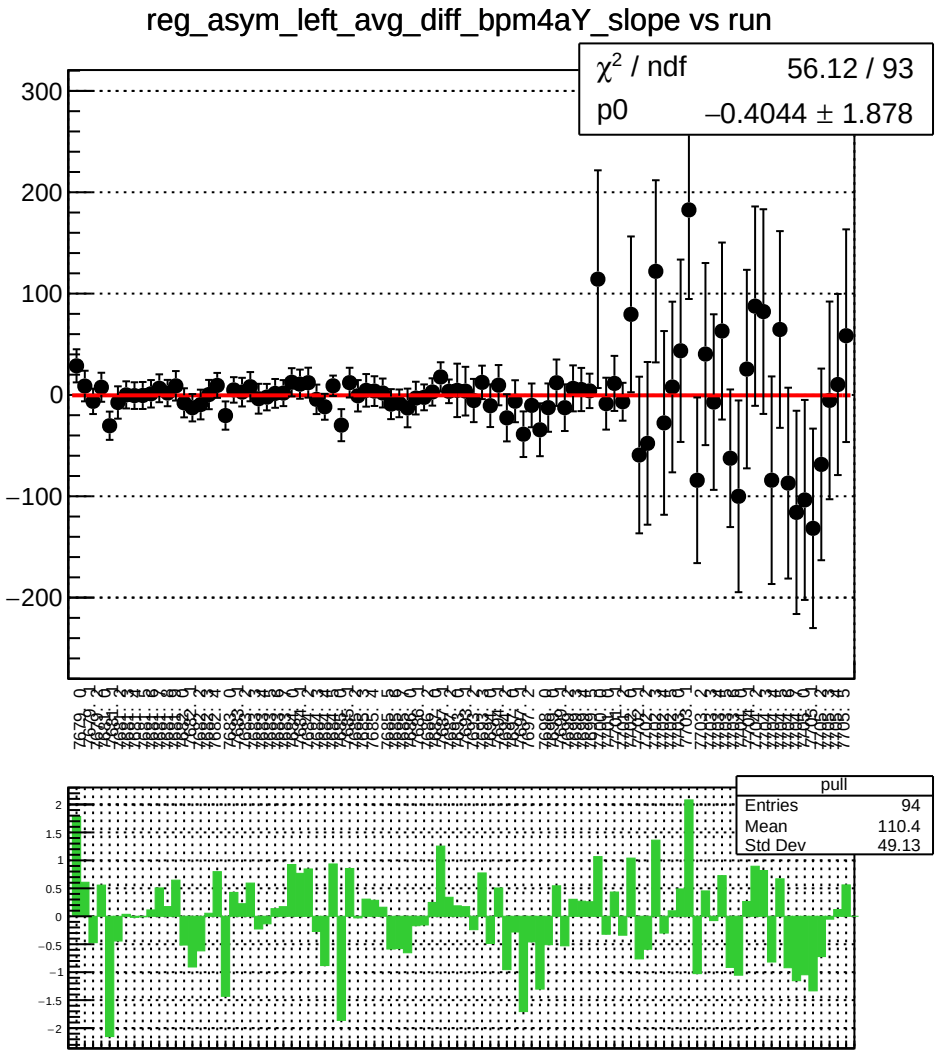

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.11 / 93
p0 9.457 ± 51.45
×10³
pull
Entries 94
Mean 56.36
Std Dev 40.78

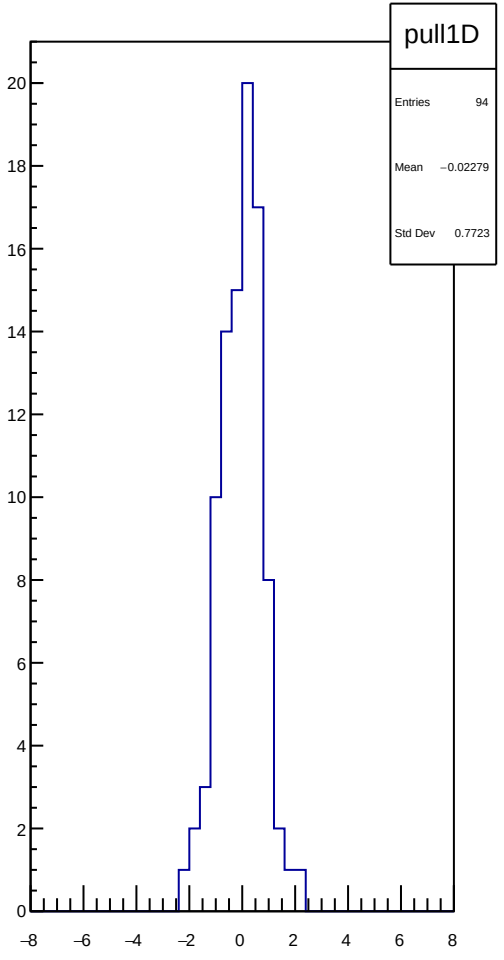

pull1D
Entries 94
Mean −0.08231
Std Dev 0.9702

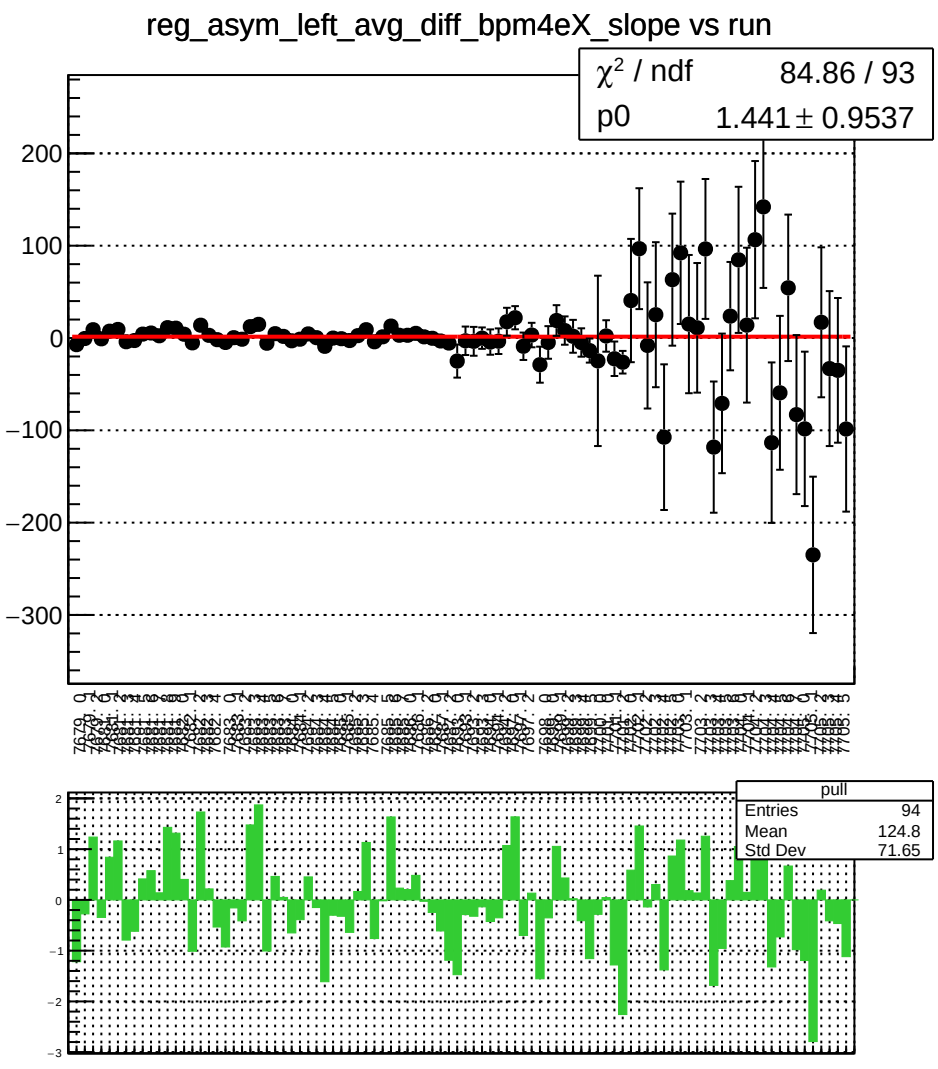

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 108.5 / 93
p0 −4.641 ± 2.454
pull
Entries 94
Mean 25.44
Std Dev 32.49

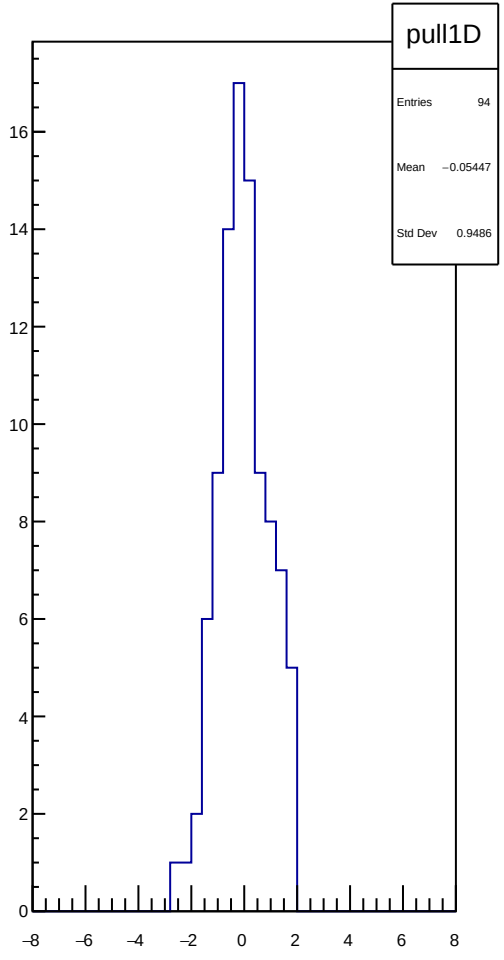

pull1D
Entries 94
Mean −0.07129
Std Dev 1.072

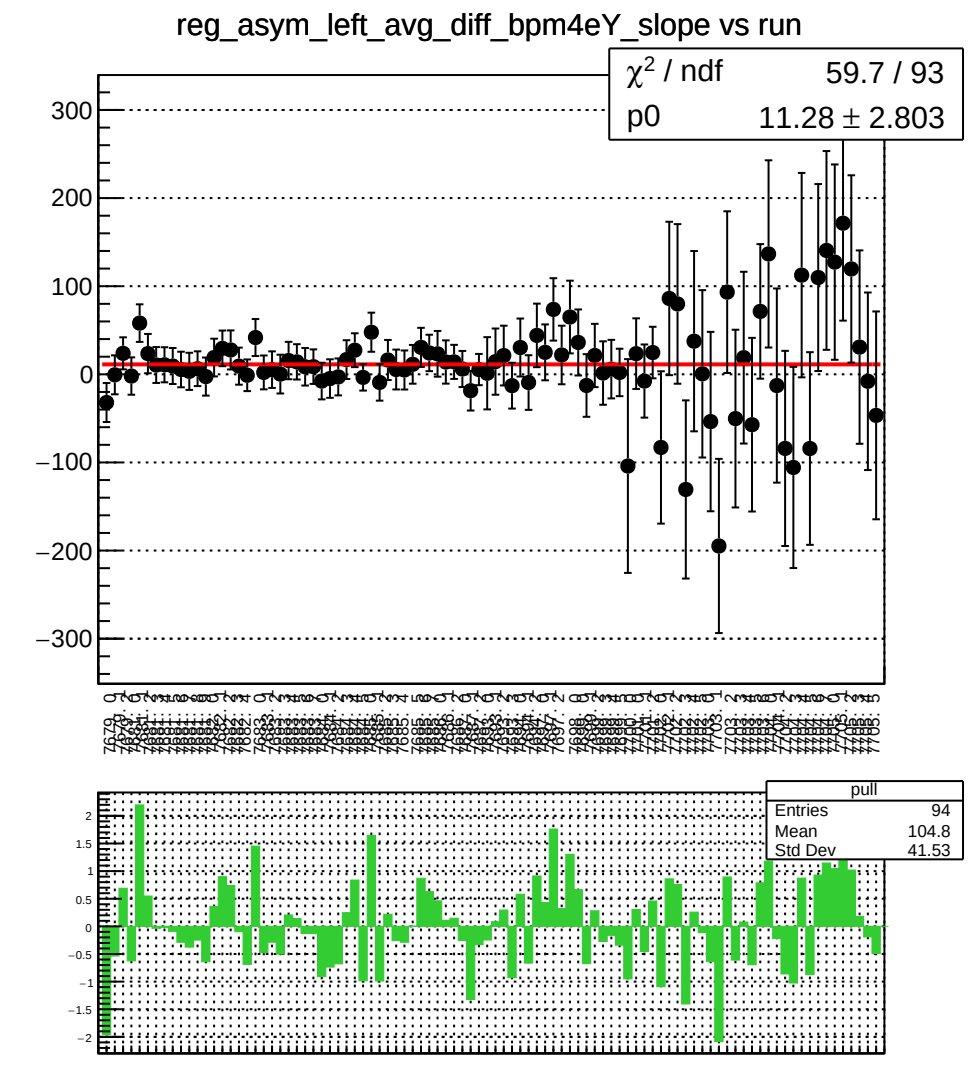

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 84.44 / 93
p0 −32.86 ± 1.18
pull
Entries 94
Mean 126.3
Std Dev 71.8
pull1D
Entries 94
Mean 0.05021
Std Dev 0.9465

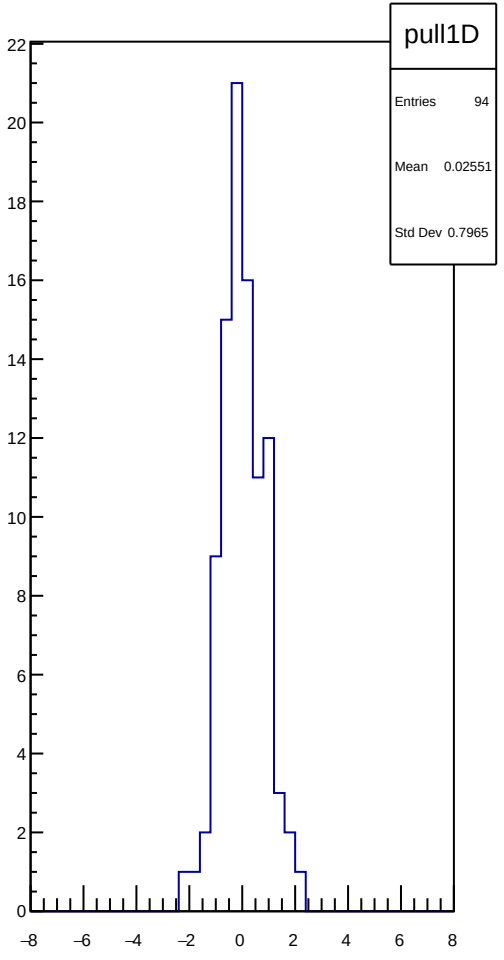

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.12 / 93
p0 −0.4044 ± 1.878
pull
Entries 94
Mean 110.4
Std Dev 49.13

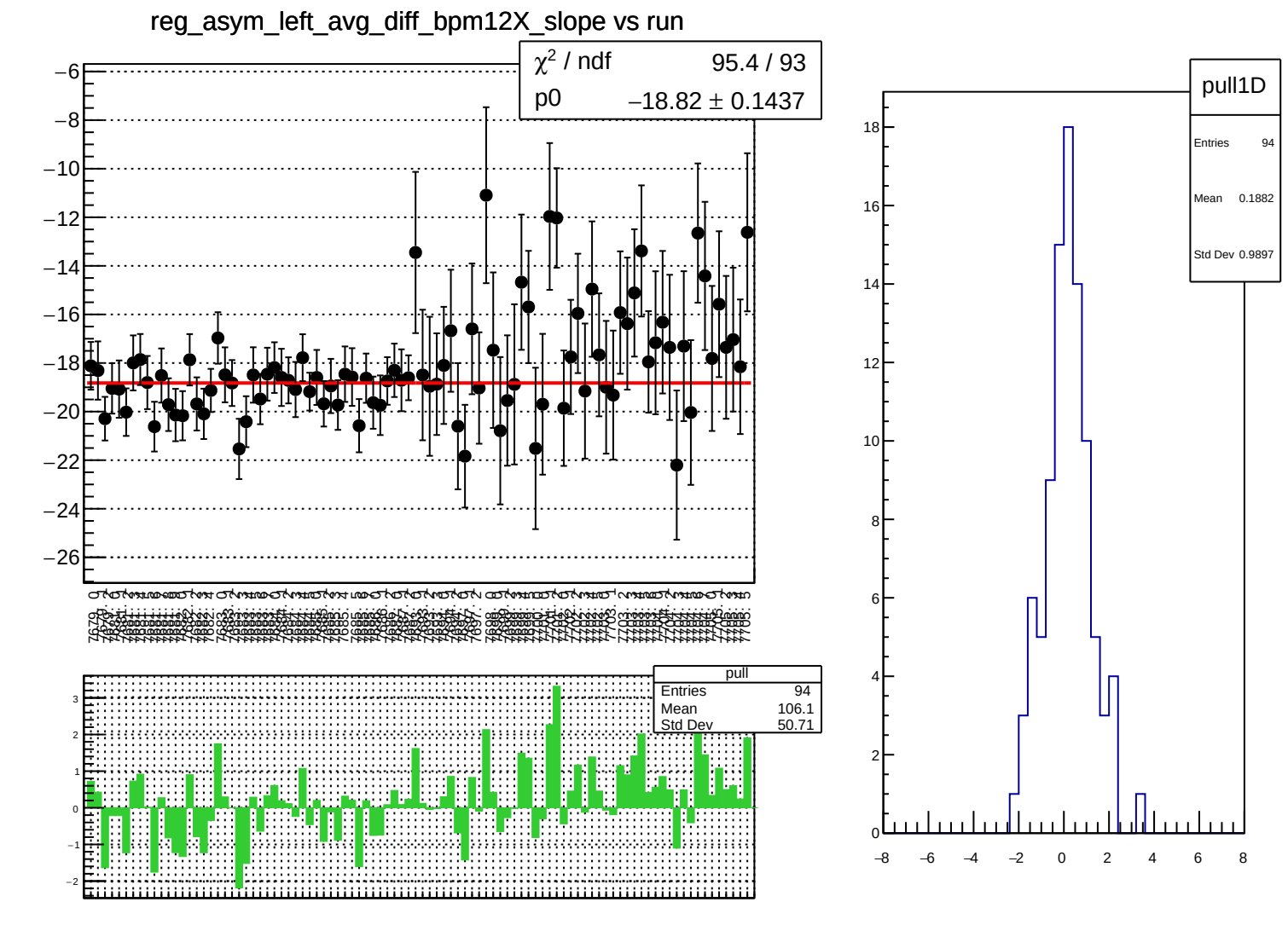

pull1D
Entries 94
Mean −0.02279
Std Dev 0.7723

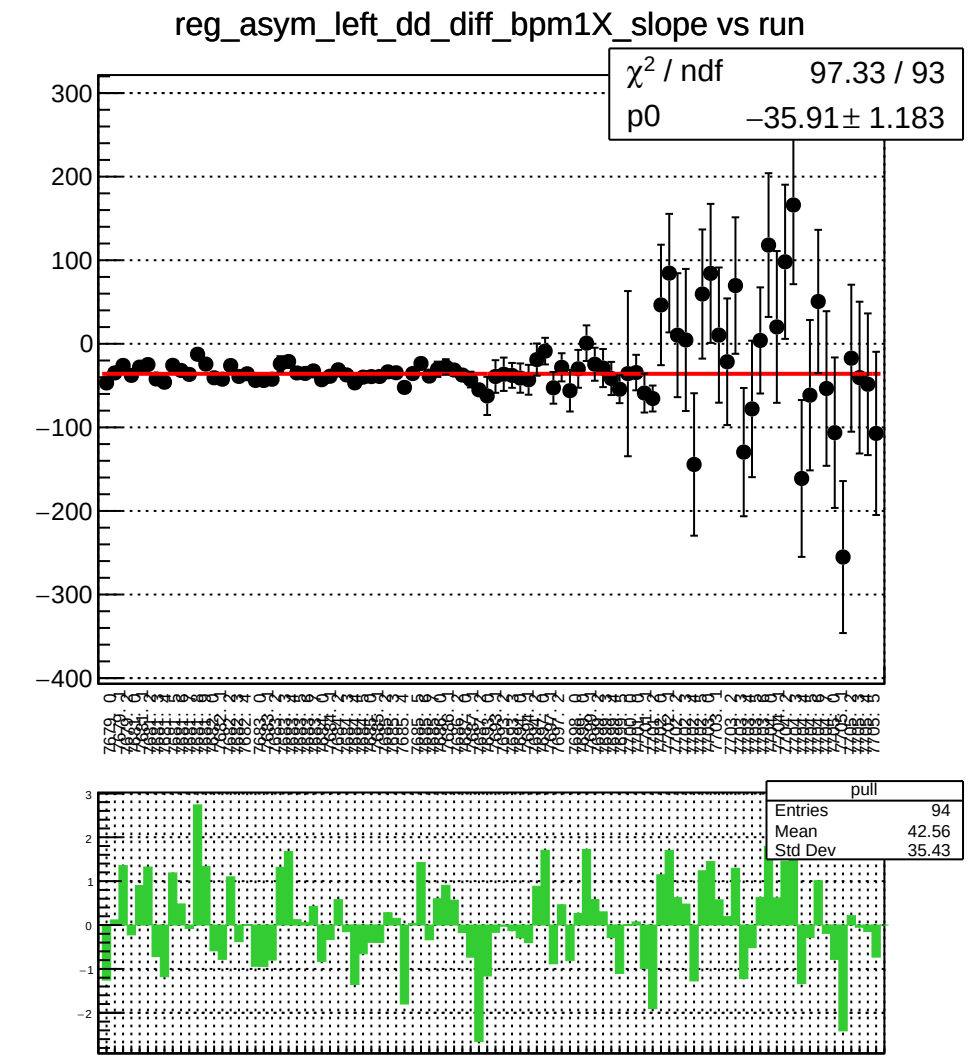

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.86 / 93
p0 1.441 ± 0.9537
200
100
0
−100
−200
−300
pull
Entries 94
Mean 124.8
Std Dev 71.65
2
1
0
−1
−2
−3

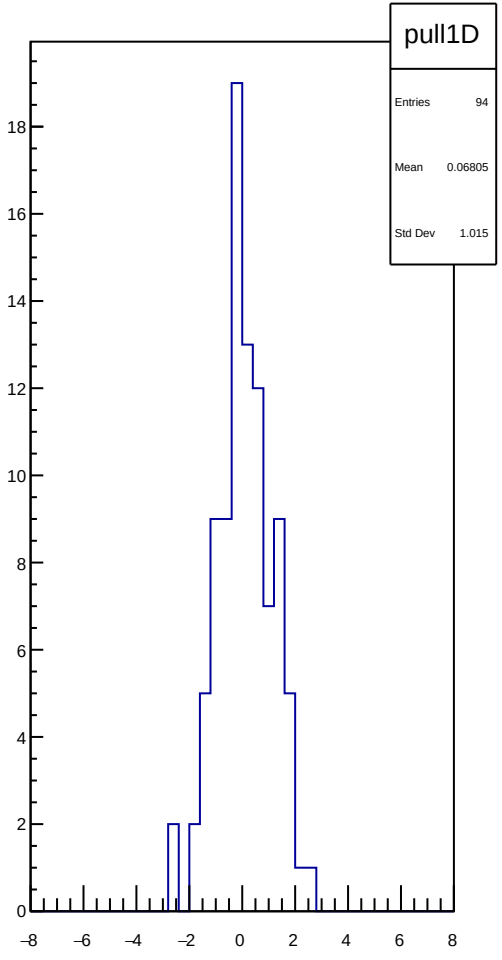

pull1D
Entries 94
Mean −0.05447
Std Dev 0.9486
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

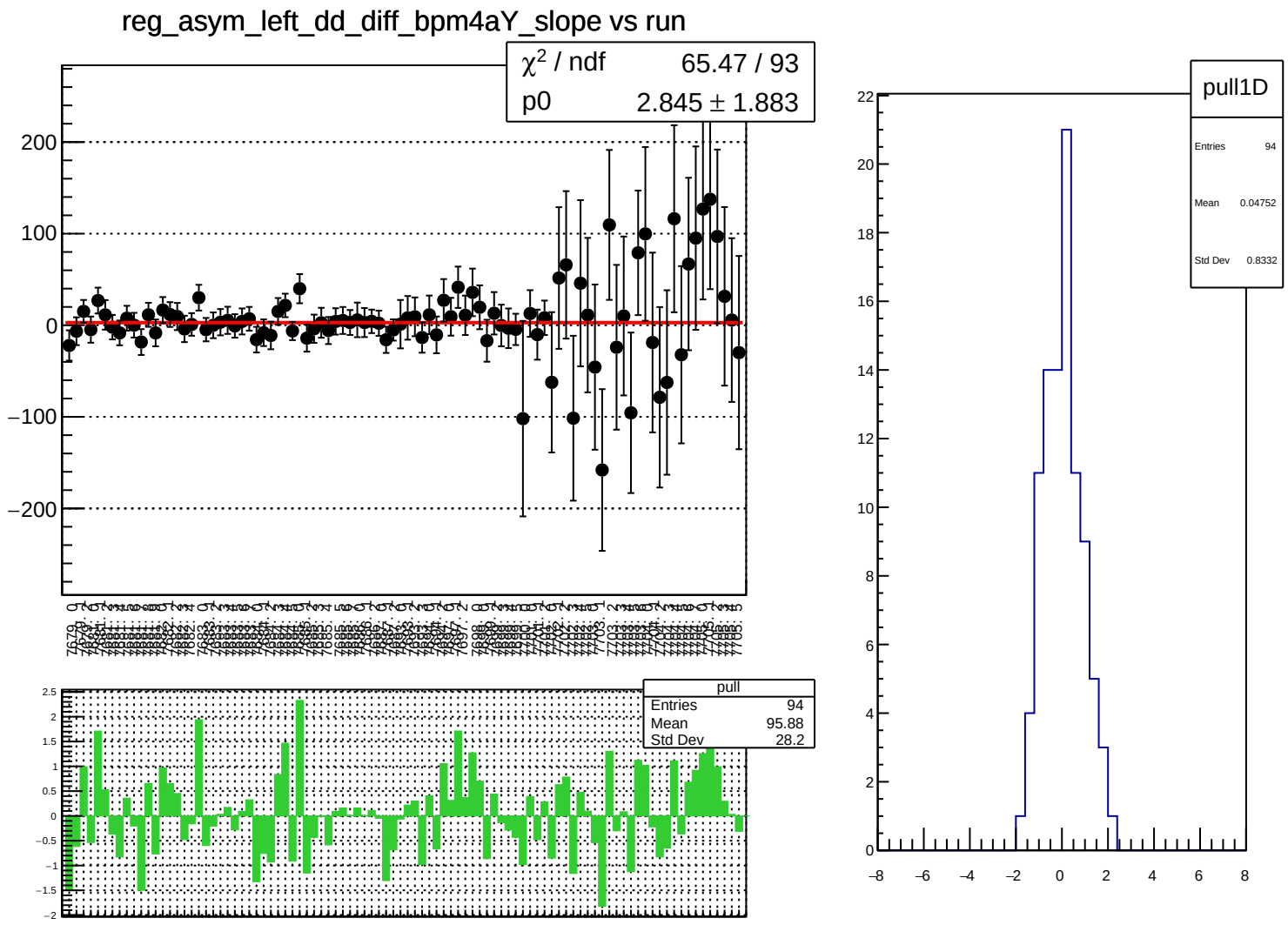

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.7 / 93
p0 11.28 ± 2.803
pull
Entries 94
Mean 104.8
Std Dev 41.53

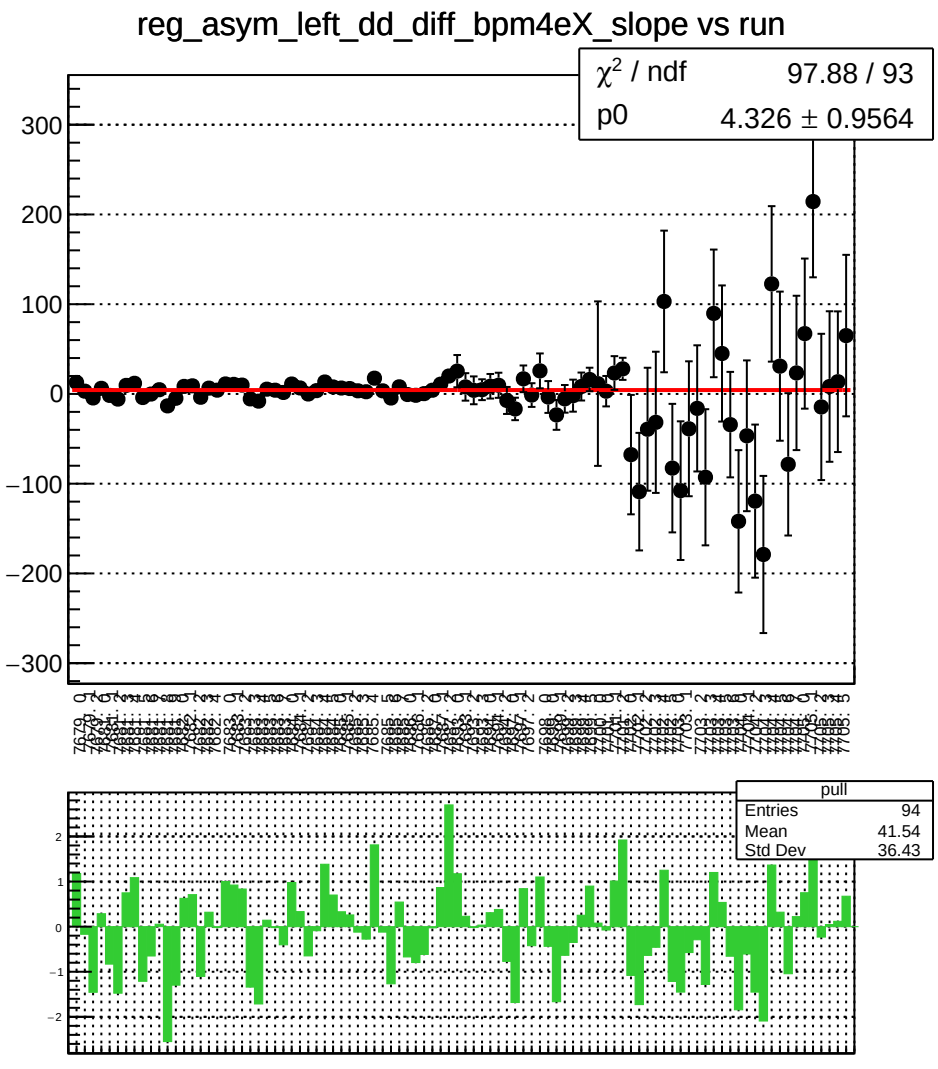

pull1D
Entries 94
Mean 0.02551
Std Dev 0.7965

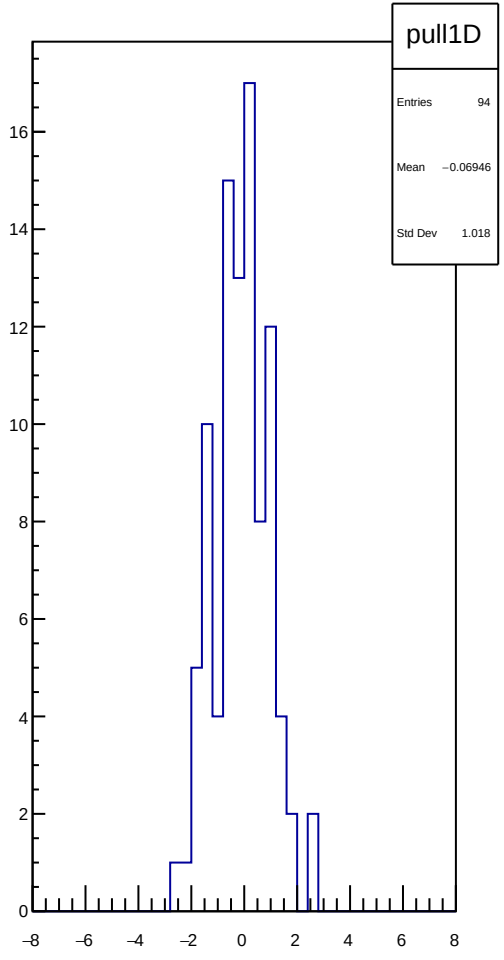

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 95.4 / 93
p0 −18.82 ± 0.1437
pull
Entries 94
Mean 106.1
Std Dev 50.71
pull1D
Entries 94
Mean 0.1882
Std Dev 0.9897

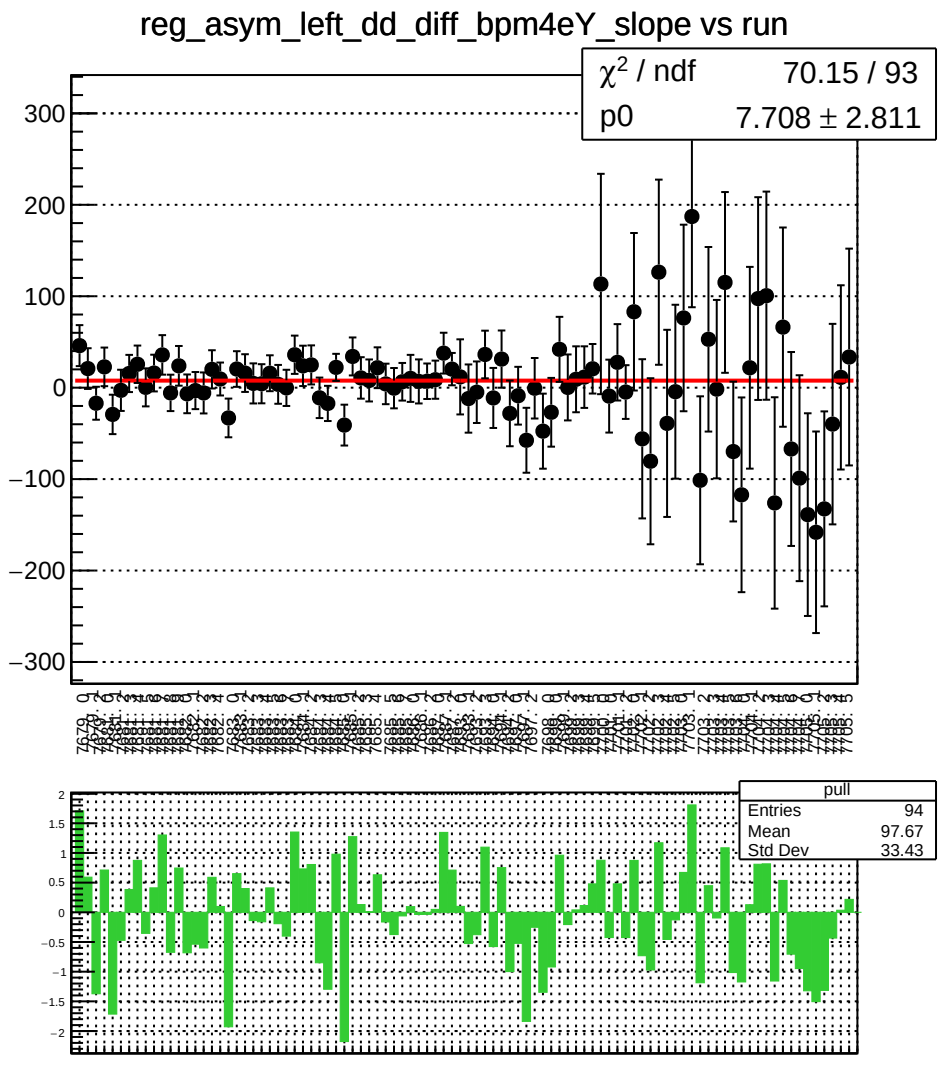

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 97.33 / 93
p0 −35.91 ± 1.183
pull
Entries 94
Mean 42.56
Std Dev 35.43

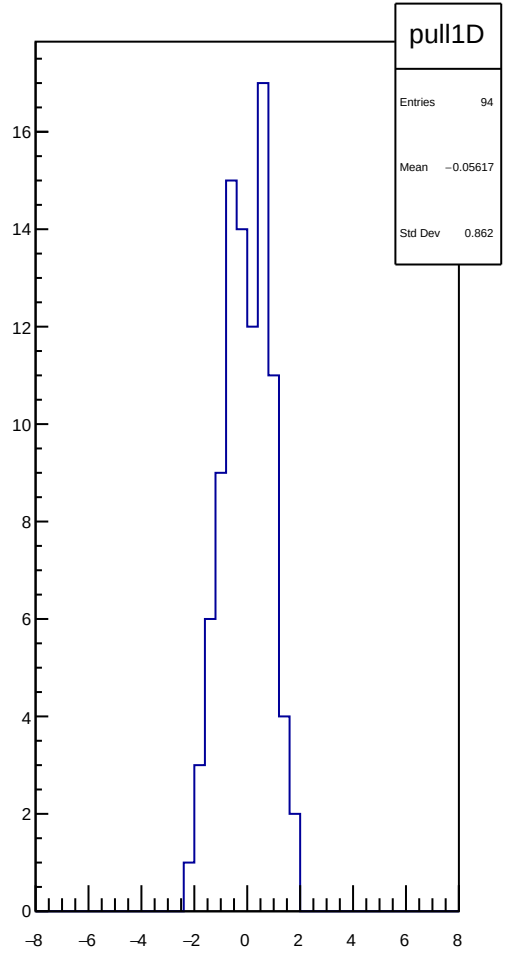

pull1D
Entries 94
Mean 0.06805
Std Dev 1.015

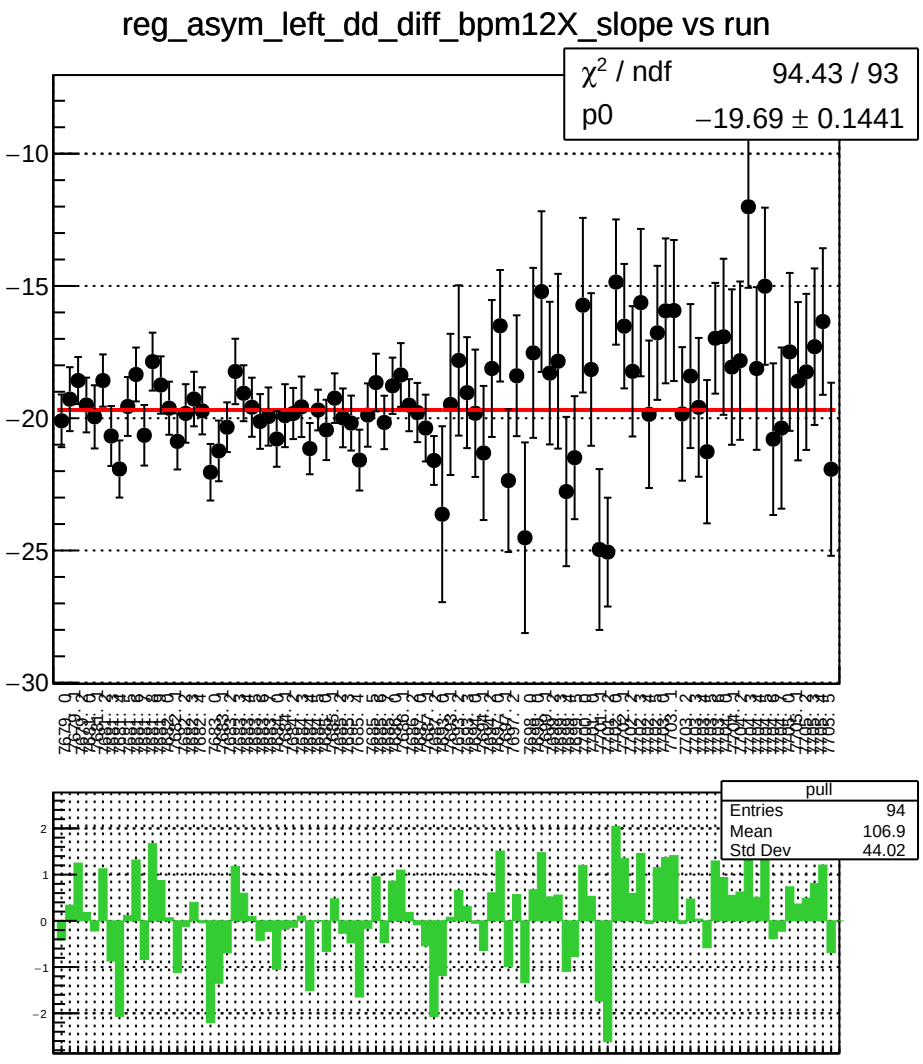

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.47 / 93
p0 2.845 ± 1.883
200
100
0
−100
−200
pull
Entries 94
Mean 95.88
Std Dev 28.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 94
Mean 0.04752
Std Dev 0.8332
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

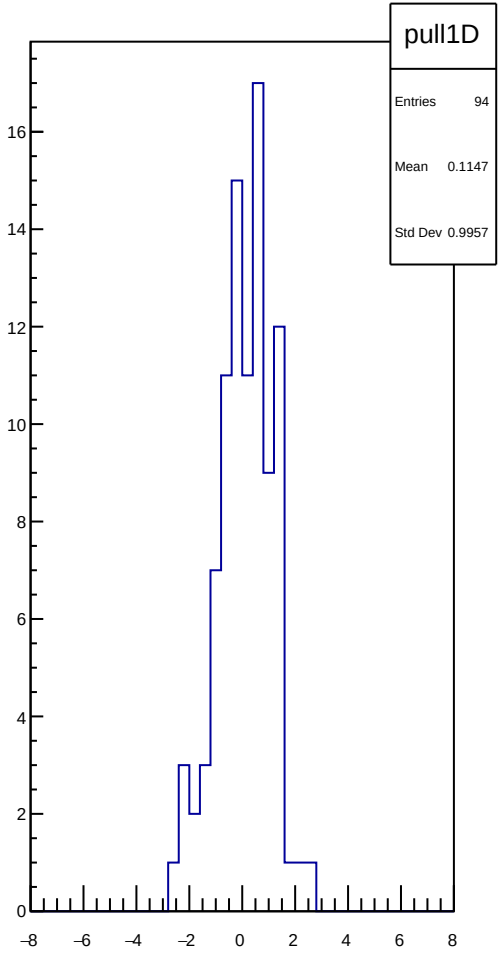

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 97.88 / 93
p0 4.326 ± 0.9564
300
200
100
0
−100
−200
−300
pull
Entries 94
Mean 41.54
Std Dev 36.43
2
1
0
−1
−2

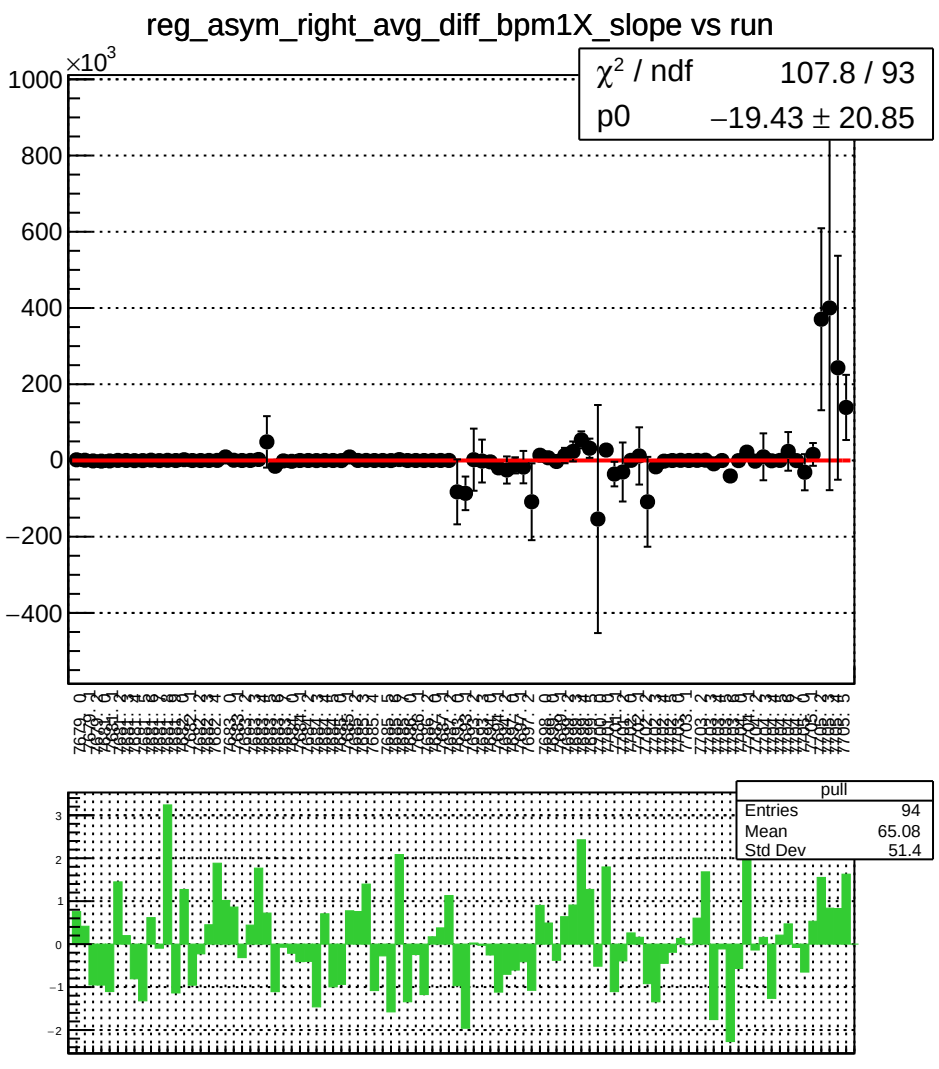

pull1D
Entries 94
Mean −0.06946
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

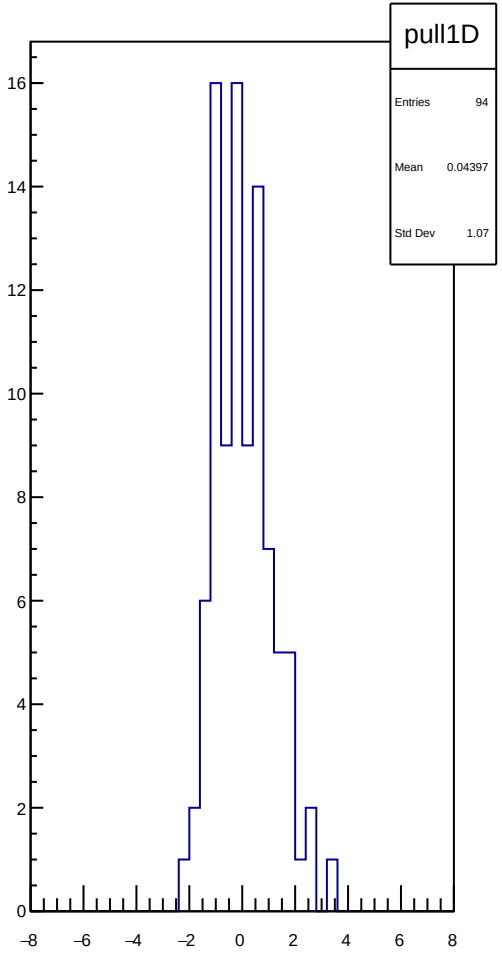

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.15 / 93
p0 7.708 ± 2.811
pull
Entries 94
Mean 97.67
Std Dev 33.43

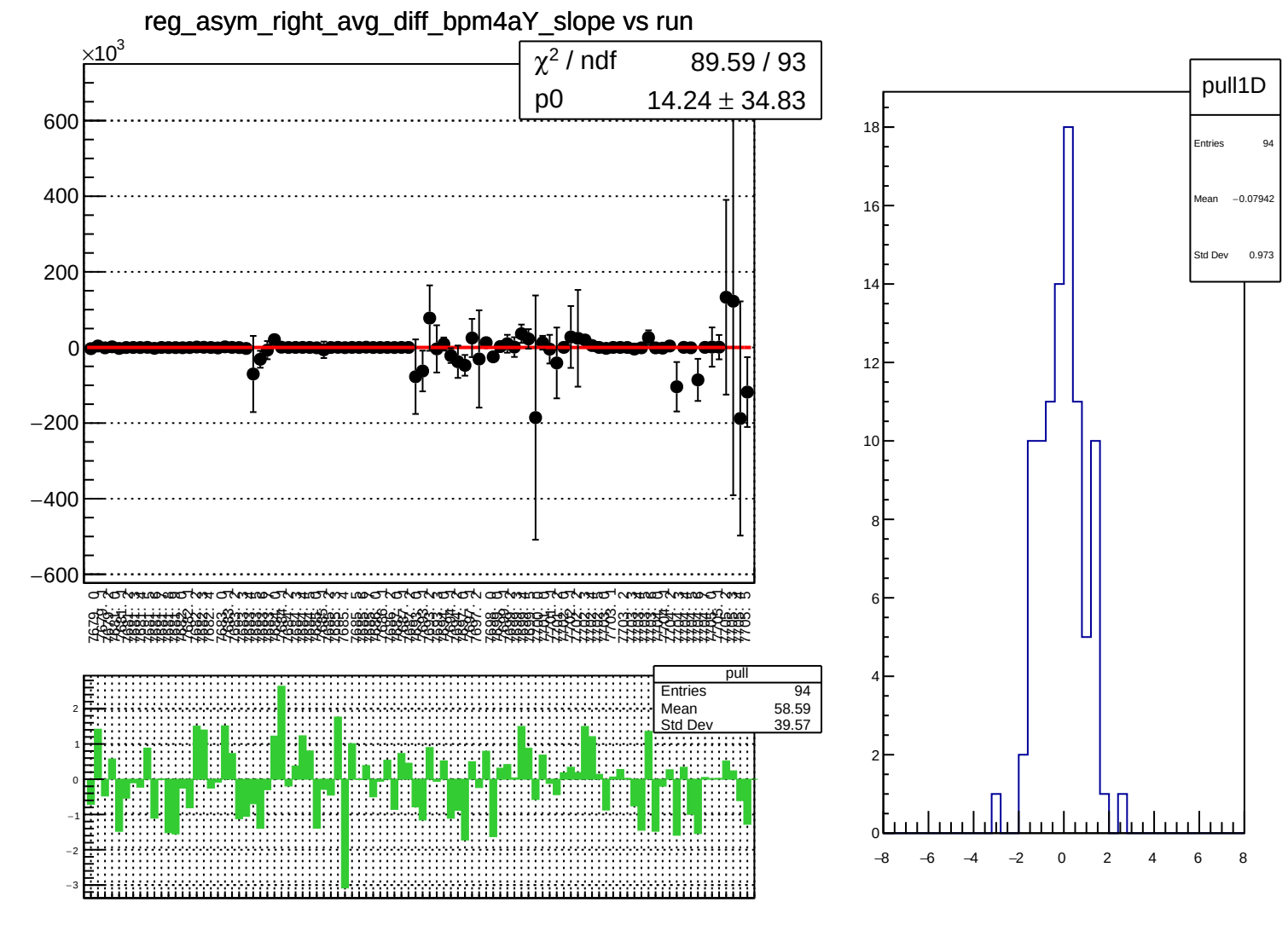

pull1D
Entries 94
Mean −0.05617
Std Dev 0.862

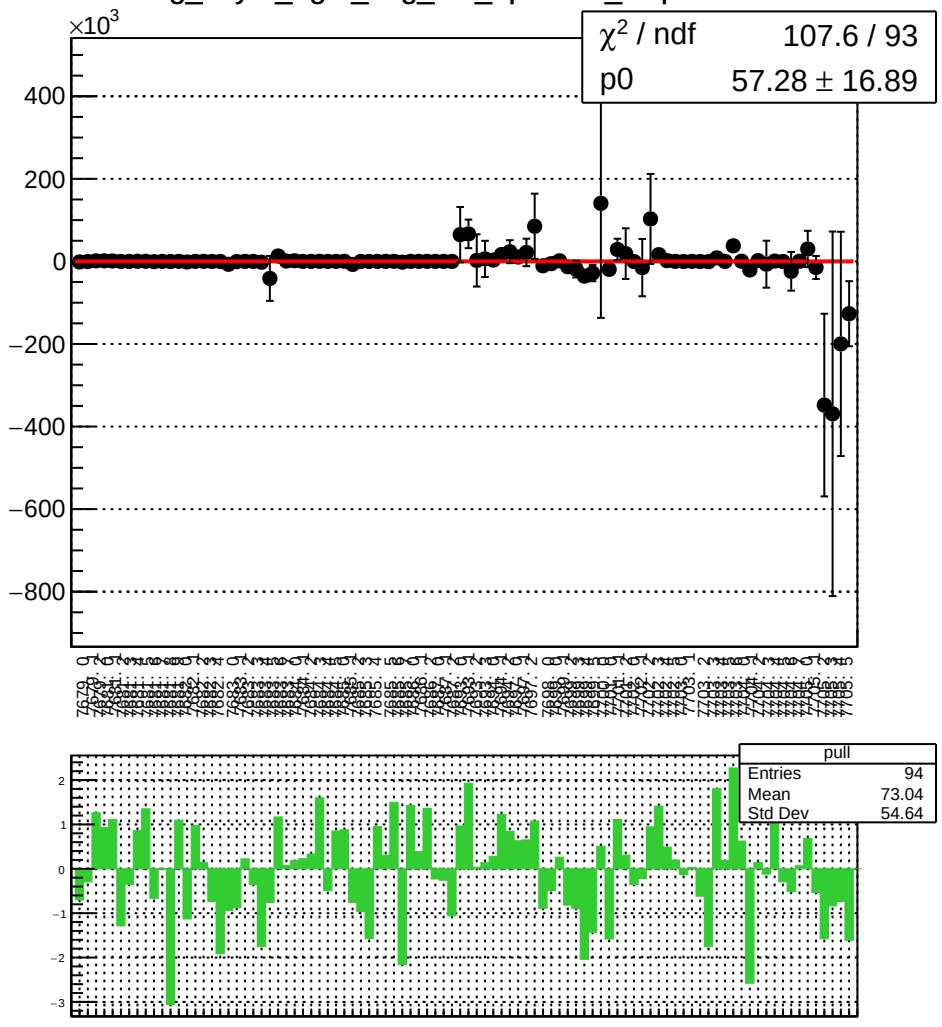

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 94.43 / 93
p0 −19.69 ± 0.1441
−10
−15
−20
−25
−30
pull
Entries 94
Mean 106.9
Std Dev 44.02
2
1
0
−1
−2

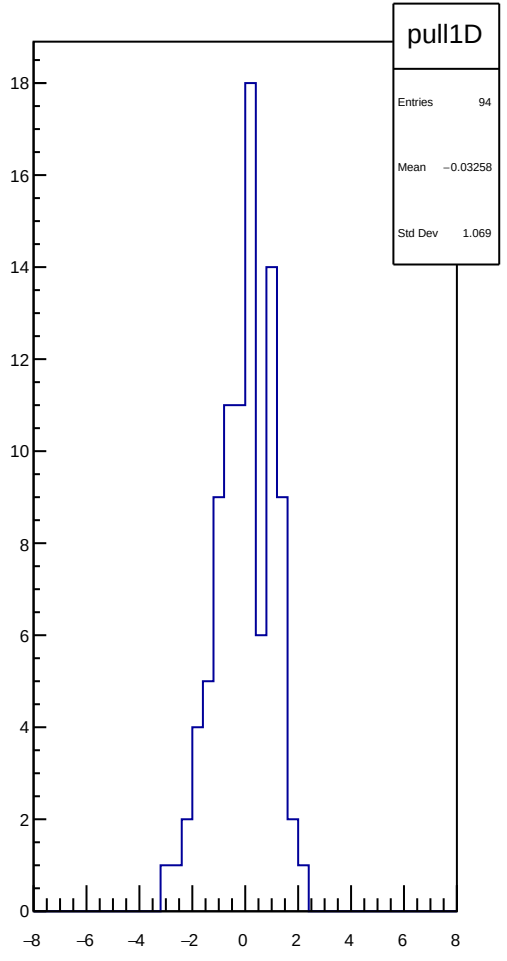

pull1D
Entries 94
Mean 0.1147
Std Dev 0.9957
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

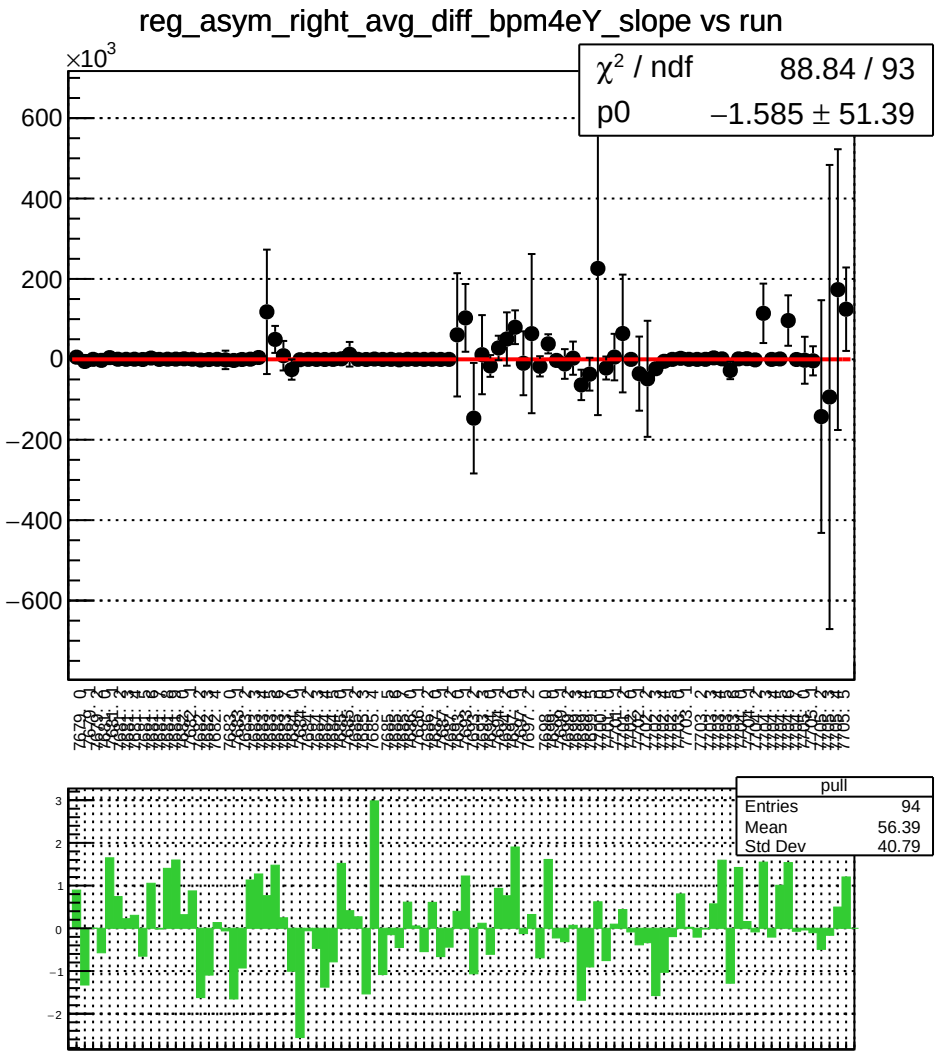

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 107.8 / 93
p0 −19.43 ± 20.85
pull
Entries 94
Mean 65.08
Std Dev 51.4

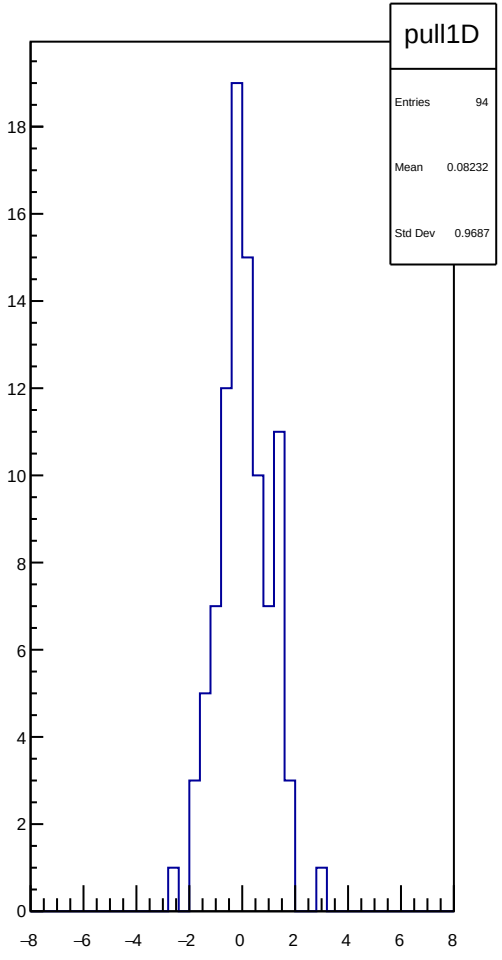

pull1D
Entries 94
Mean 0.04397
Std Dev 1.07

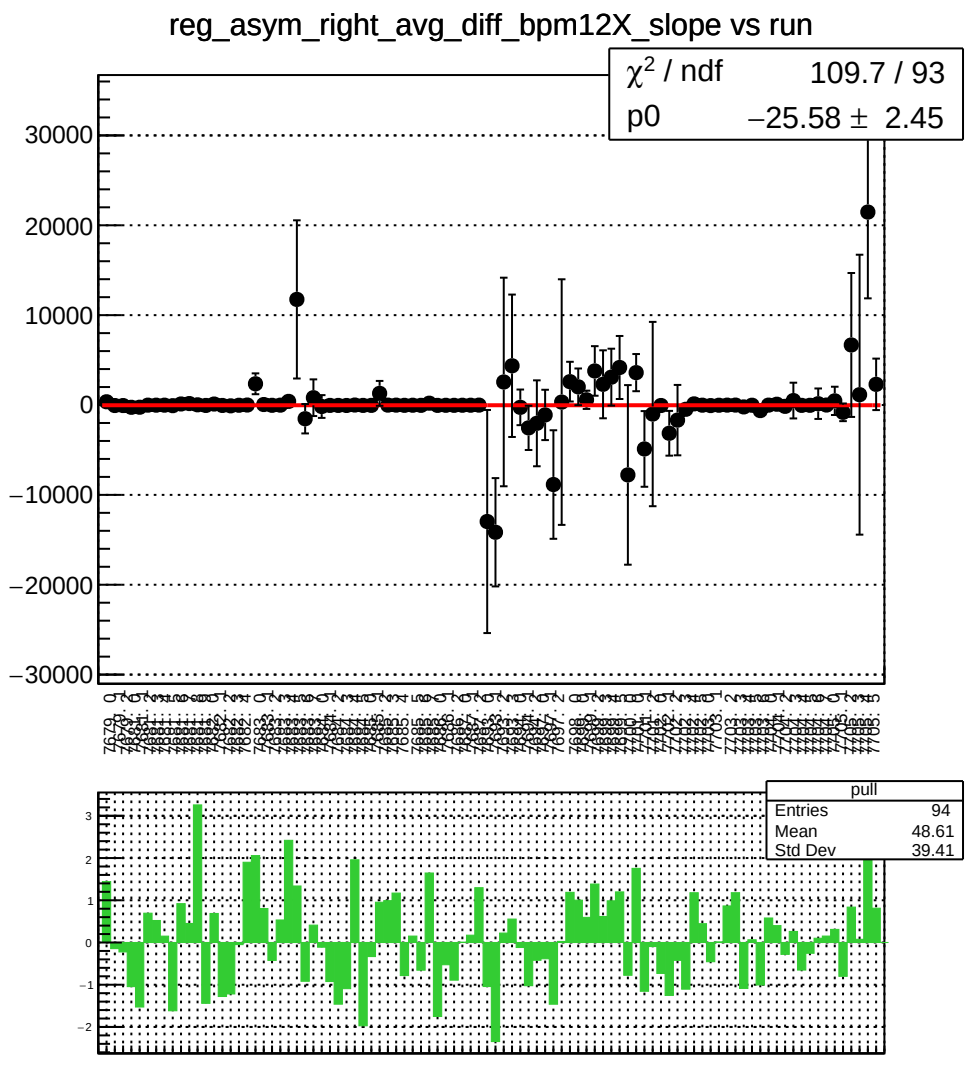

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 89.59 / 93
p0 14.24 ± 34.83
600
400
200
0
−200
−400
−600
pull
Entries 94
Mean 58.59
Std Dev 39.57
2
1
0
−1
−2
−3
pull1D
Entries 94
Mean −0.07942
Std Dev 0.973
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

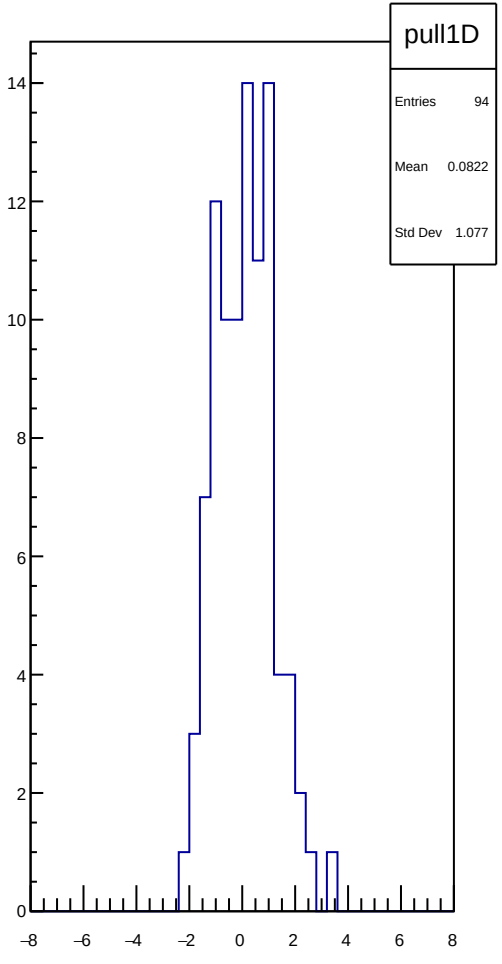

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 107.6 / 93
p0 57.28 ± 16.89
400
200
0
−200
−400
−600
−800
pull
Entries 94
Mean 73.04
Std Dev 54.64
2
1
0
−1
−2
−3

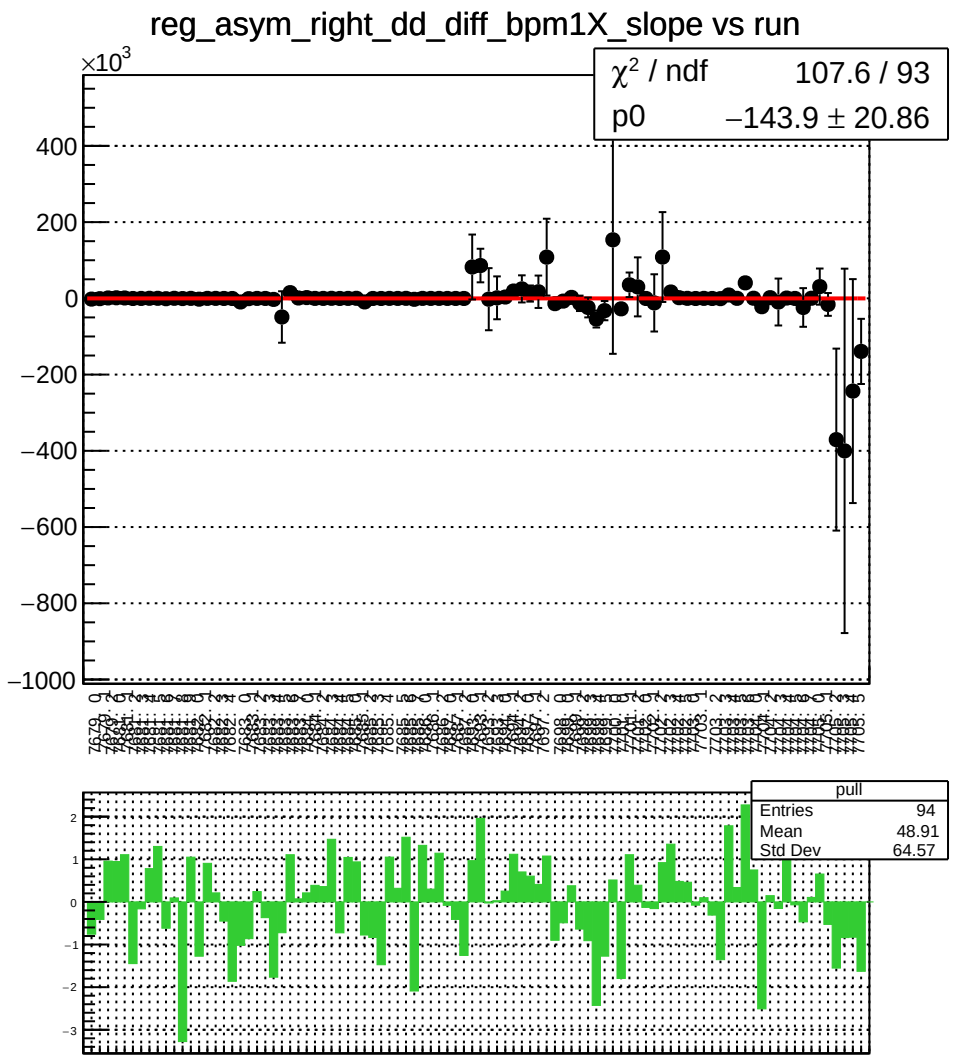

pull1D
Entries 94
Mean −0.03258
Std Dev 1.069
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

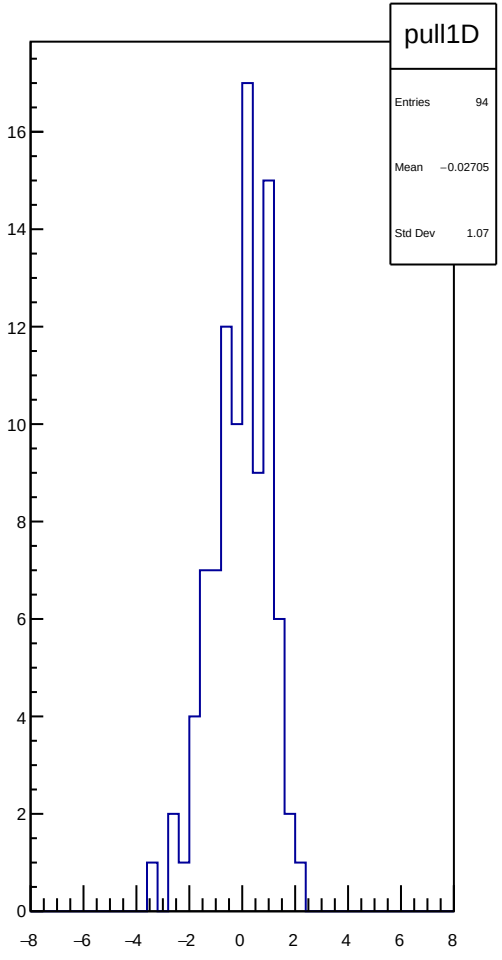

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 88.84 / 93
p0 −1.585 ± 51.39
600
400
200
0
−200
−400
−600
pull
Entries 94
Mean 56.39
Std Dev 40.79
3
2
1
0
−1
−2

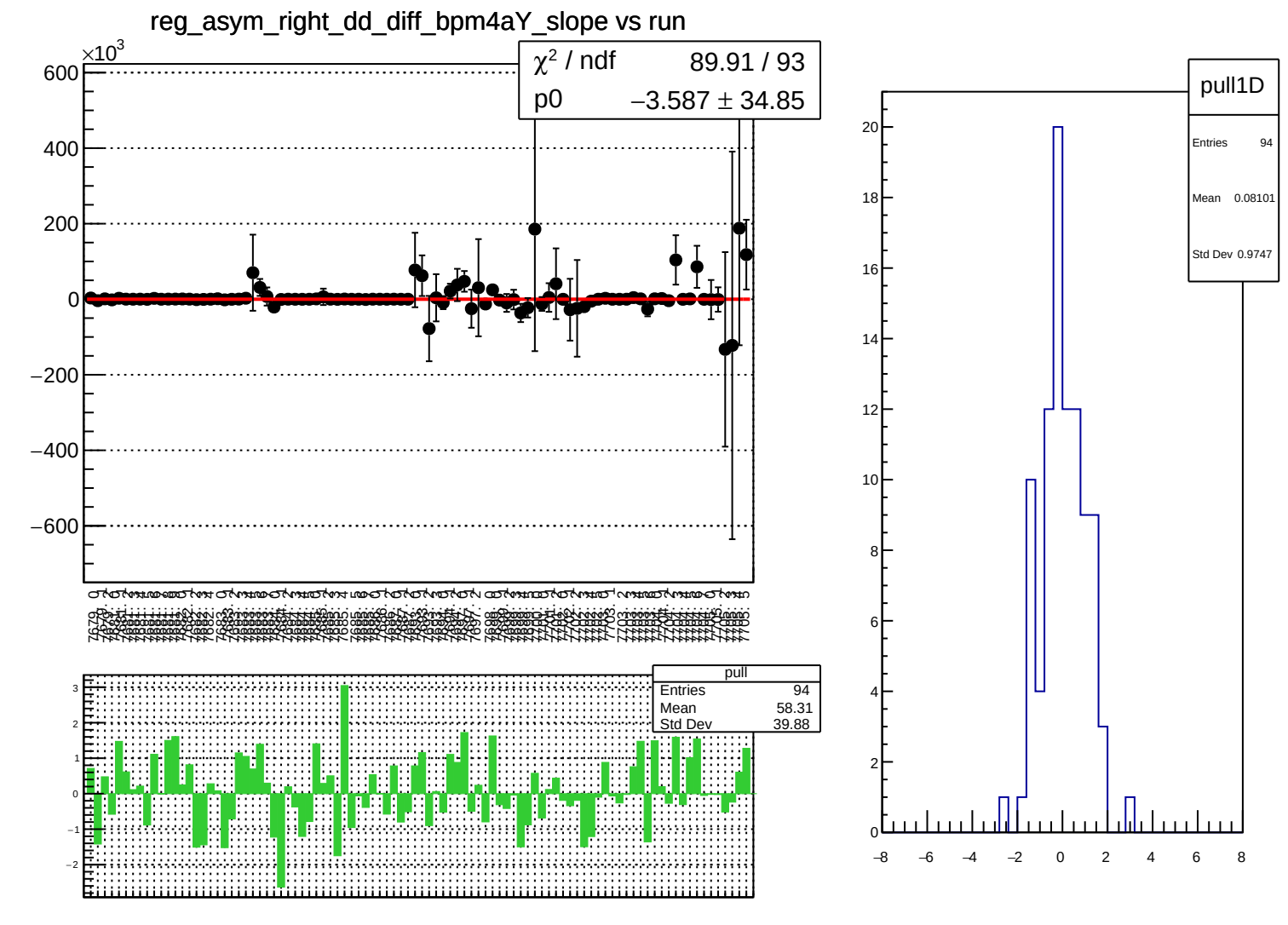

pull1D
Entries 94
Mean 0.08232
Std Dev 0.9687
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

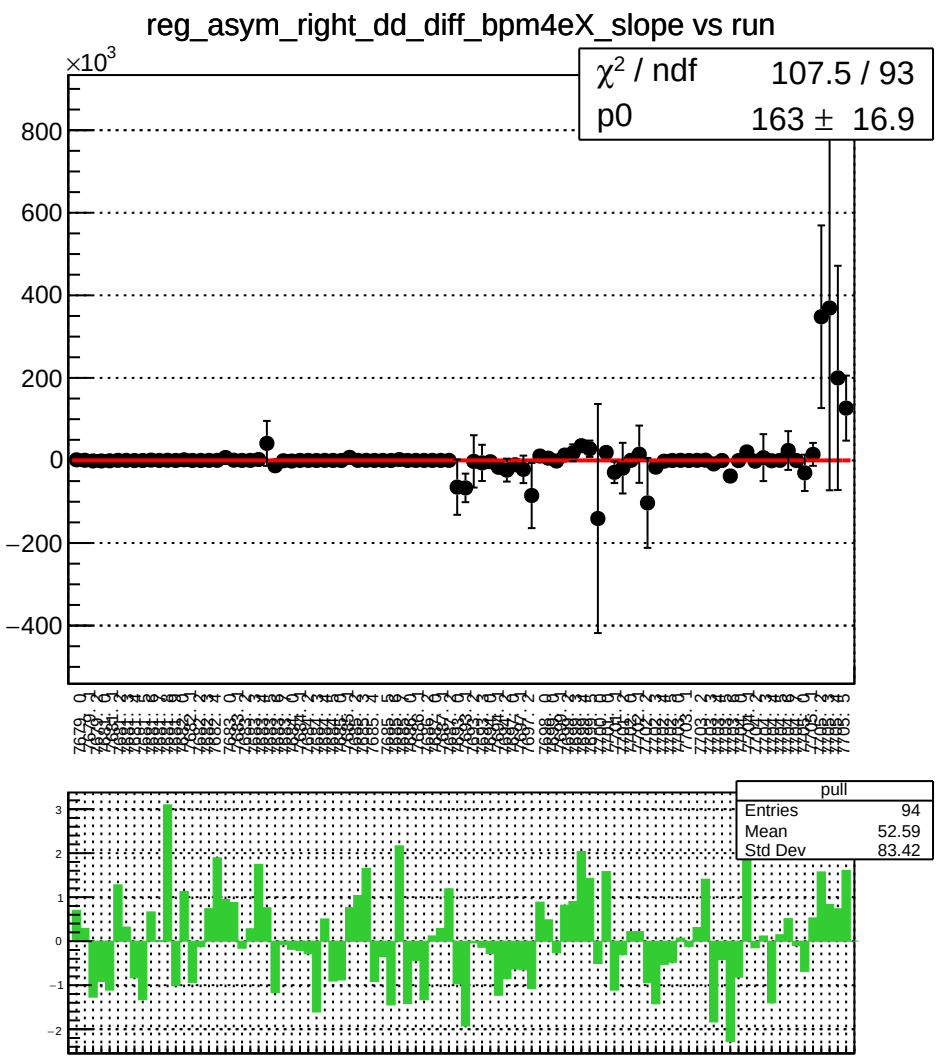

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 109.7 / 93
p0 −25.58 ± 2.45
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean 48.61
Std Dev 39.41
3
2
1
0
−1
−2

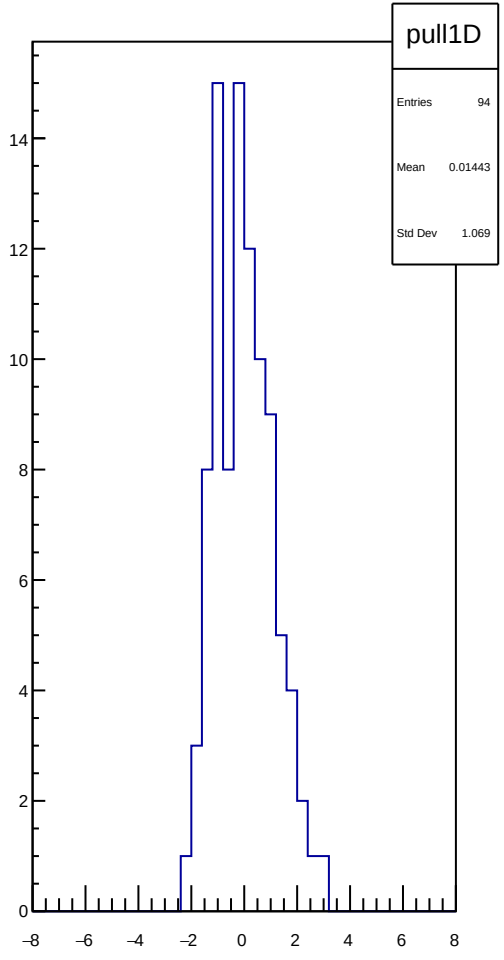

pull1D
Entries 94
Mean 0.0822
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

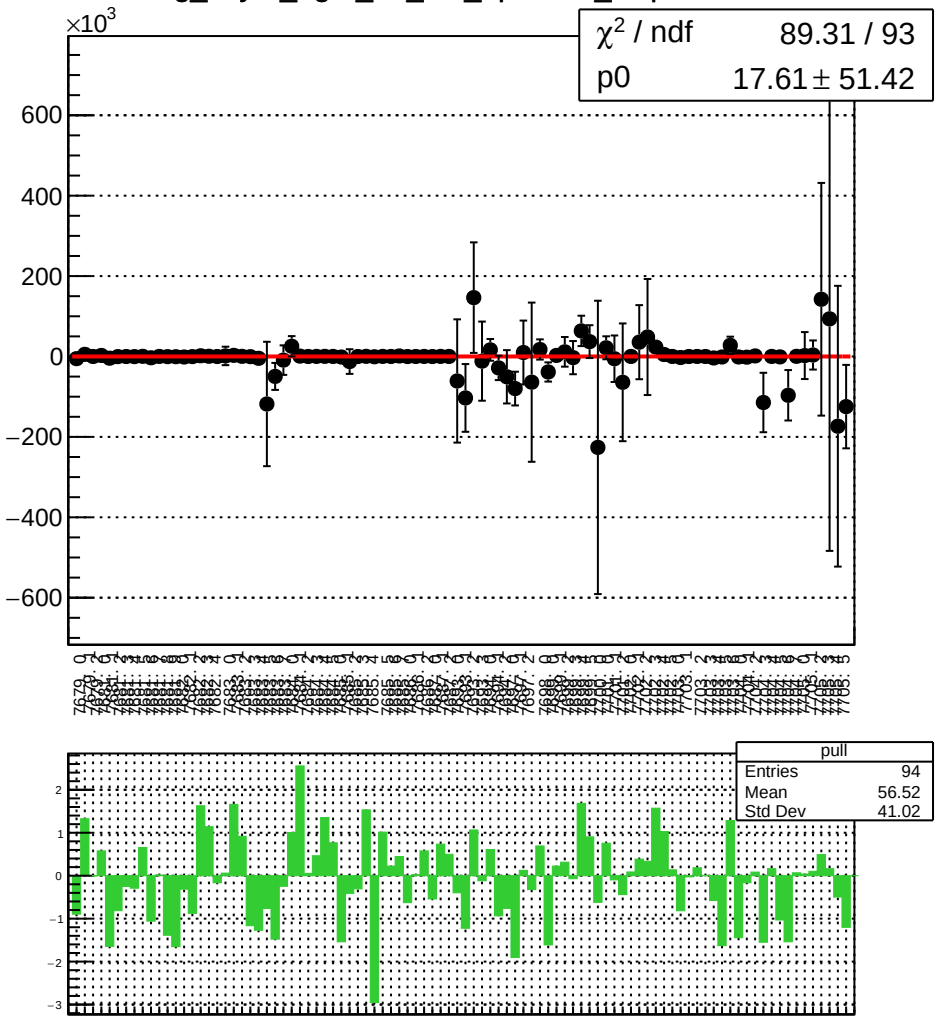

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 107.6 / 93
p0 −143.9 ± 20.86
×10³
pull
Entries 94
Mean 48.91
Std Dev 64.57

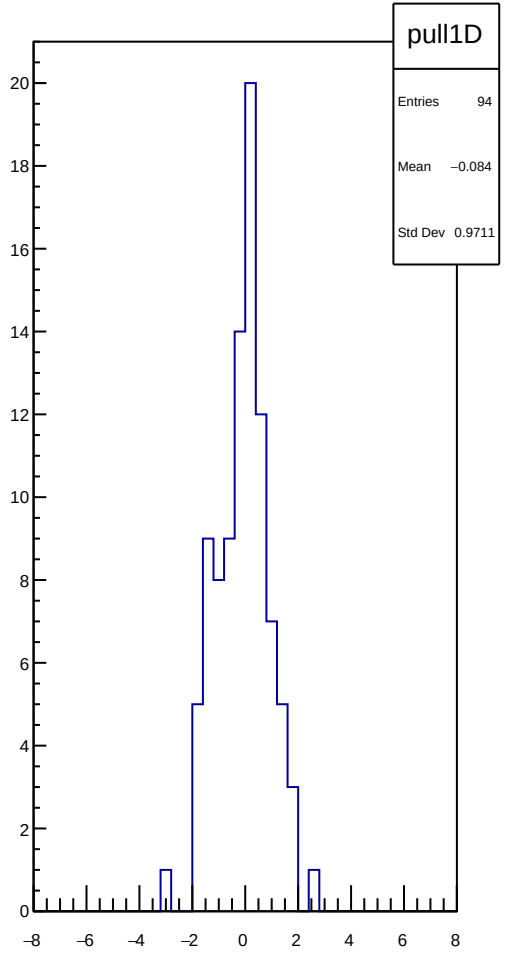

pull1D
Entries 94
Mean −0.02705
Std Dev 1.07

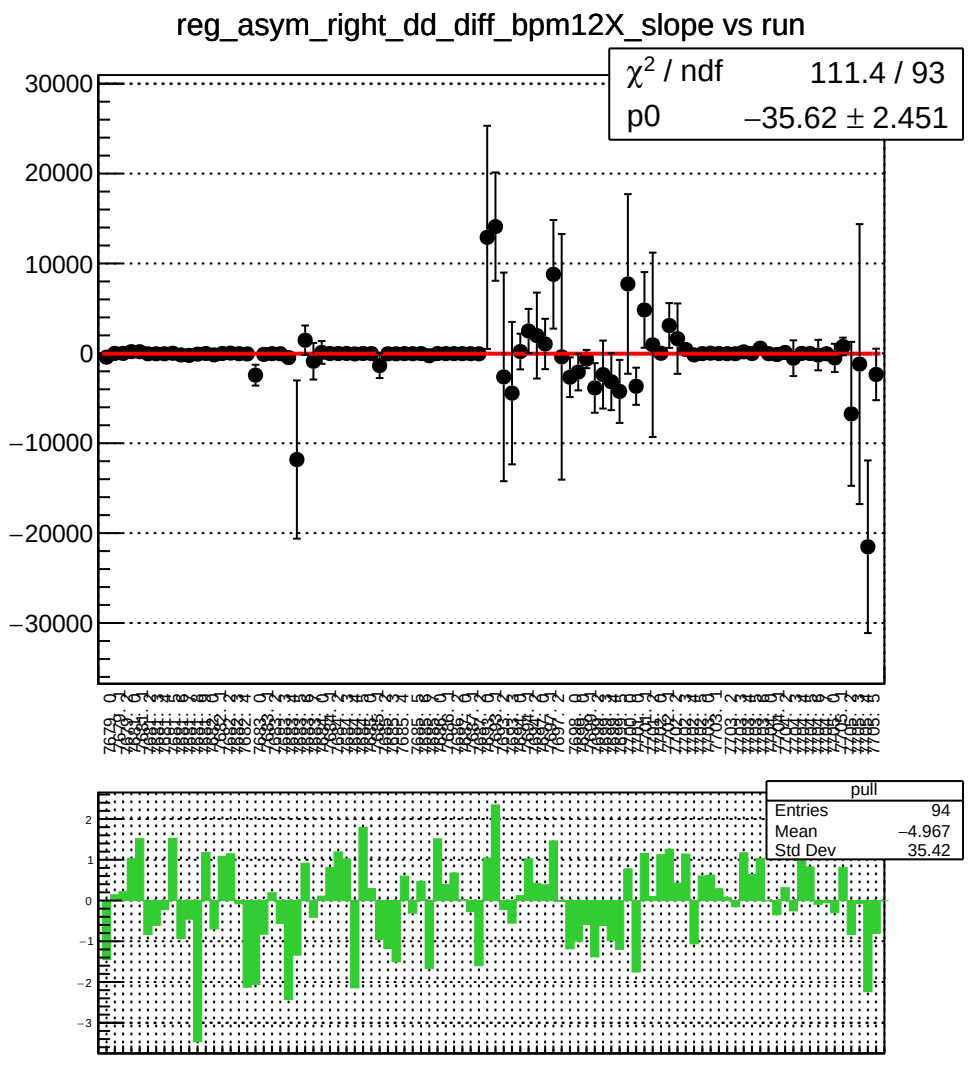

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 89.91 / 93
p0 −3.587 ± 34.85
pull
Entries 94
Mean 58.31
Std Dev 39.88
3
2
1
0
−1
−2
pull1D
Entries 94
Mean 0.08101
Std Dev 0.9747
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

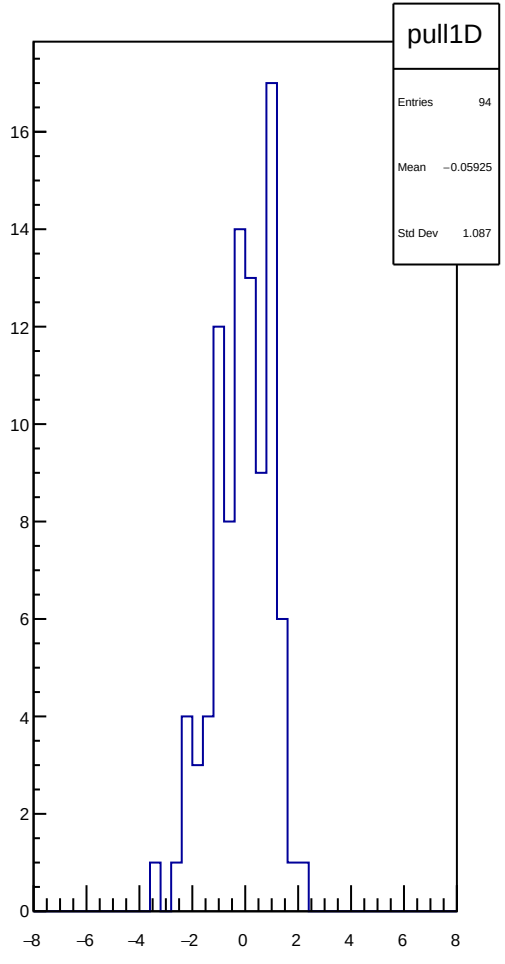

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.5 / 93
p0 163 ± 16.9
×10³
800
600
400
200
0
−200
−400
pull
Entries 94
Mean 52.59
Std Dev 83.42
3
2
1
0
−1
−2

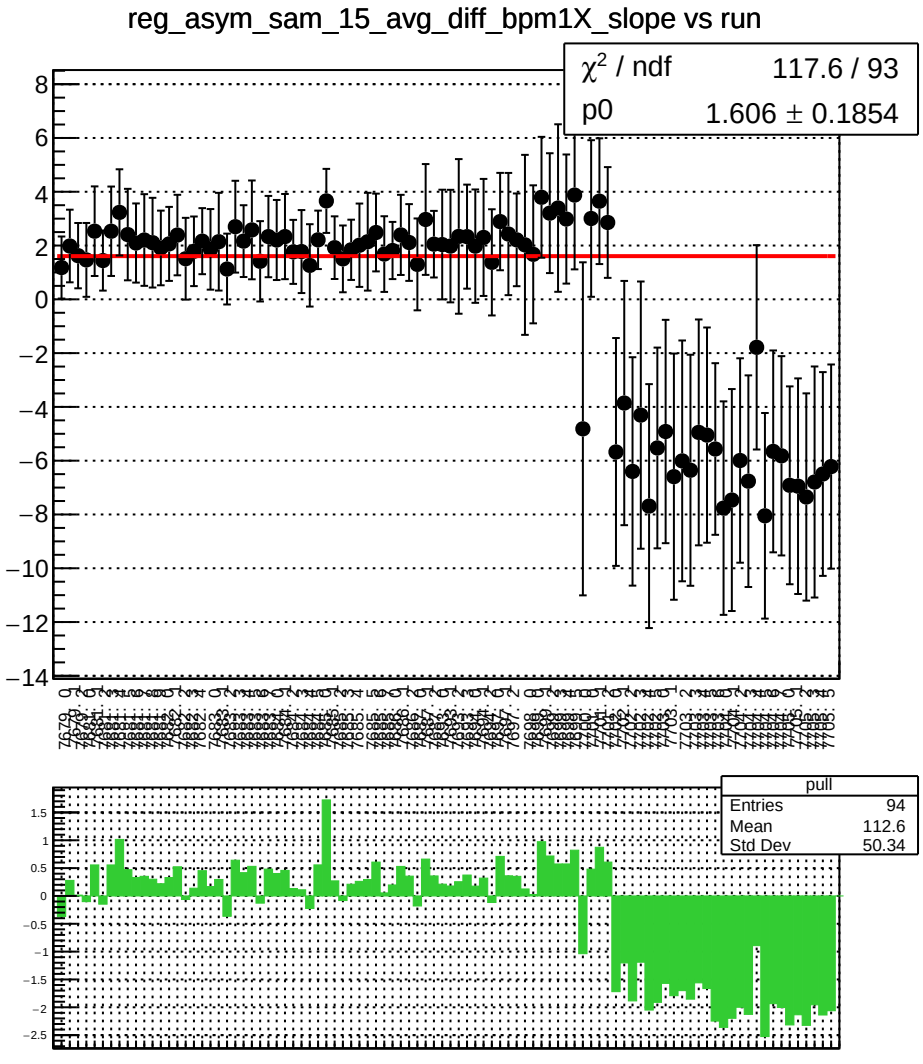

pull1D
Entries 94
Mean 0.01443
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

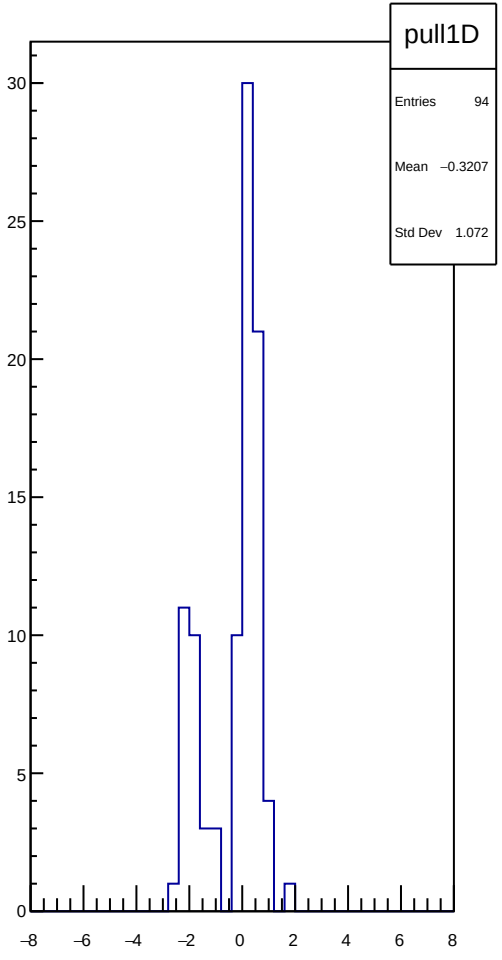

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.31 / 93
p0 17.61 ± 51.42
×10³
pull
Entries 94
Mean 56.52
Std Dev 41.02

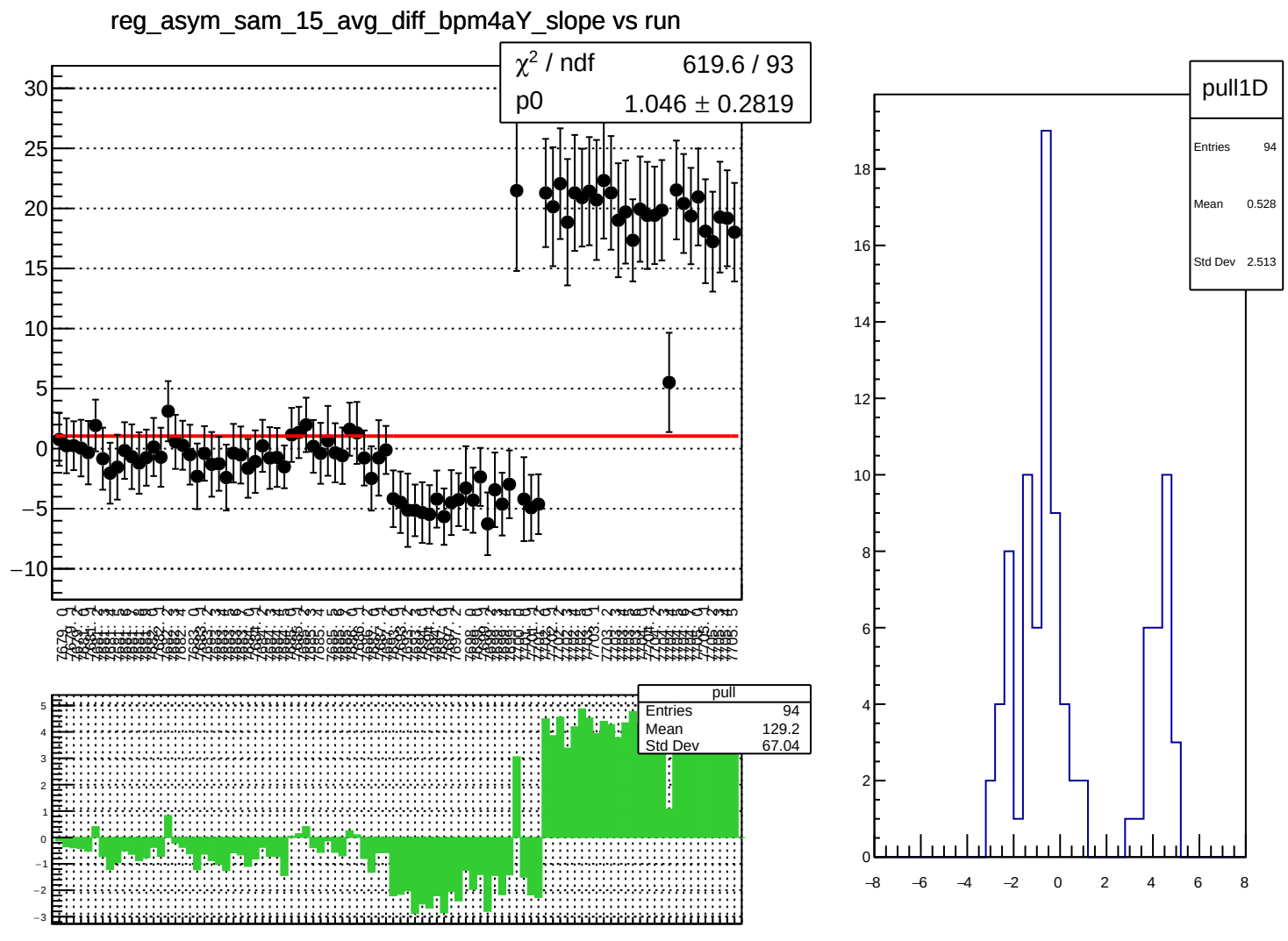

pull1D
Entries 94
Mean −0.084
Std Dev 0.9711

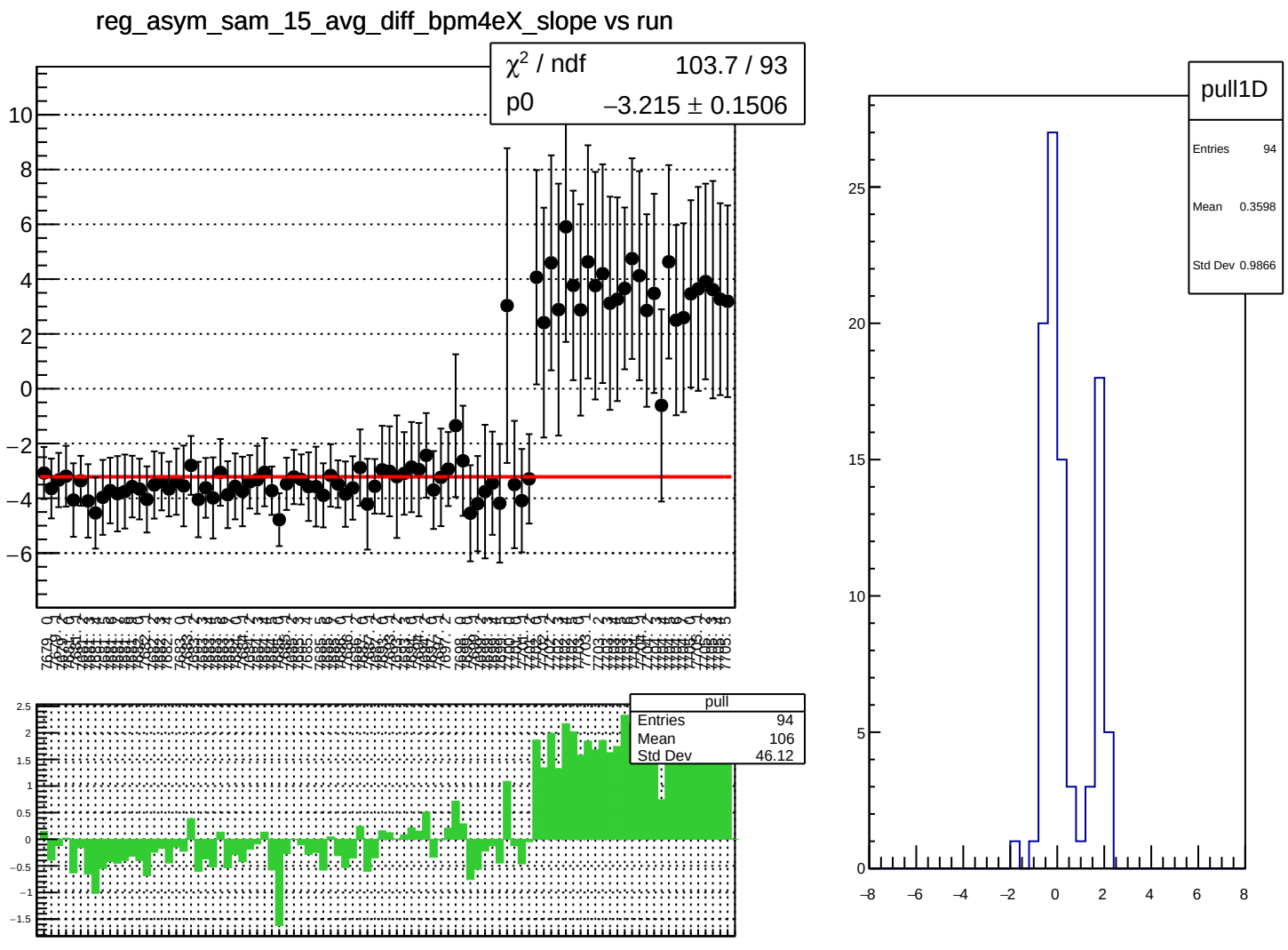

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 111.4 / 93
p0 −35.62 ± 2.451
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 94
Mean −4.967
Std Dev 35.42
2
1
0
−1
−2
−3

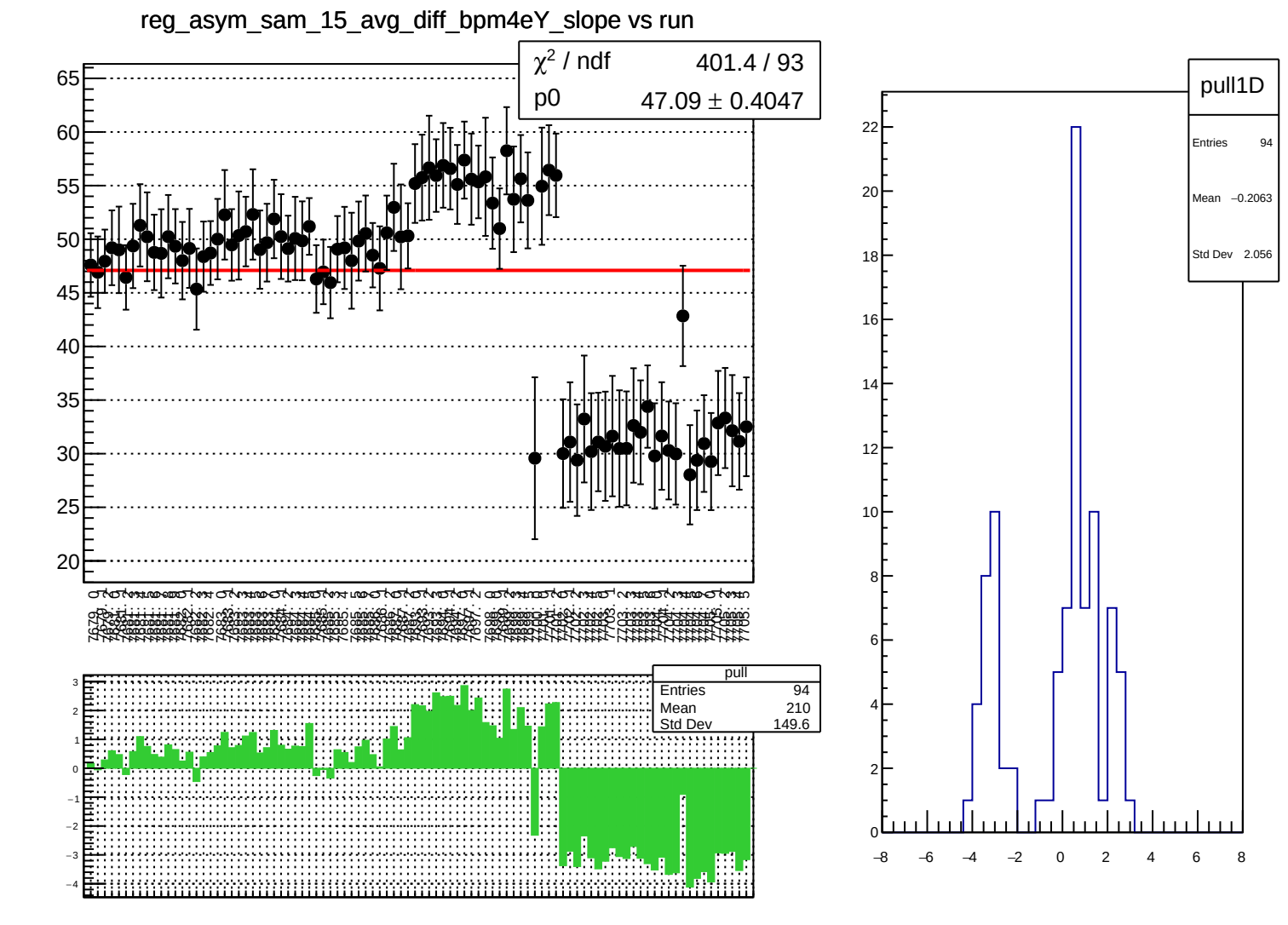

pull1D
Entries 94
Mean −0.05925
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

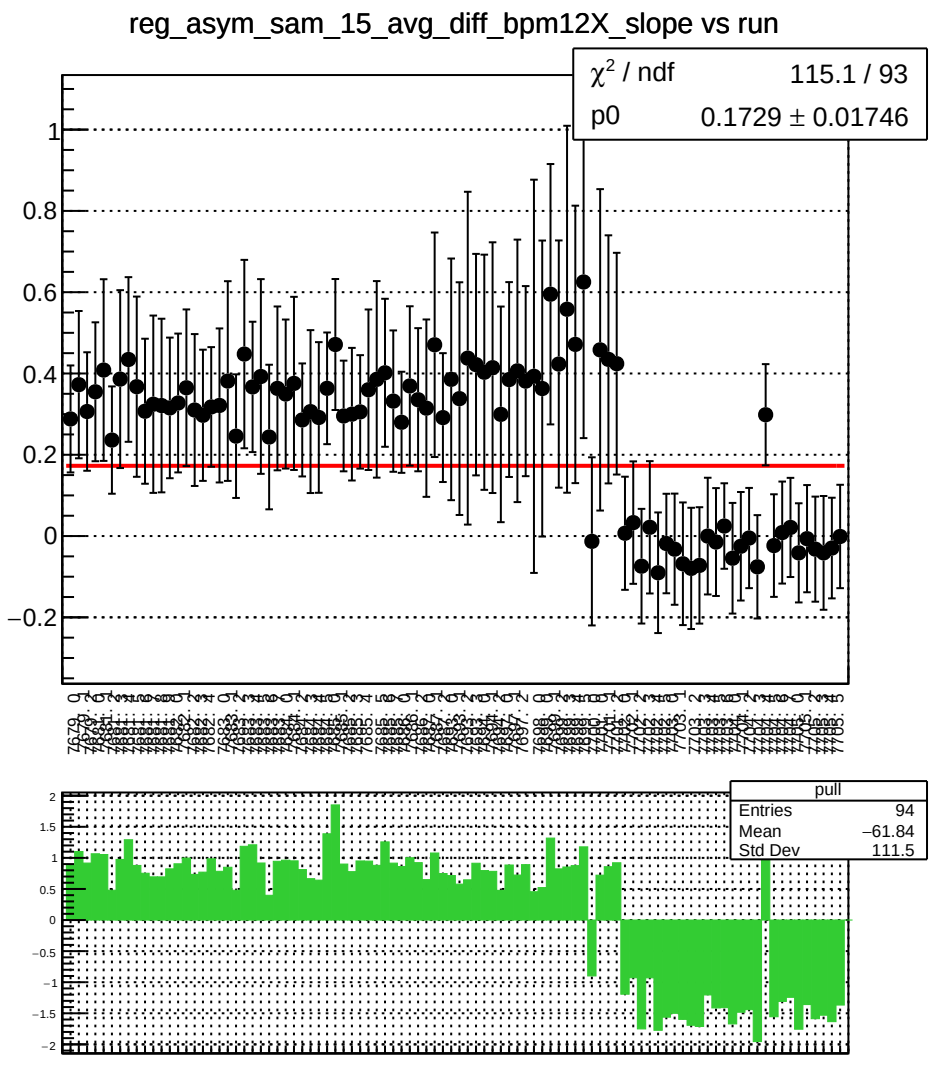

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 117.6 / 93
p0 1.606 ± 0.1854
pull
Entries 94
Mean 112.6
Std Dev 50.34

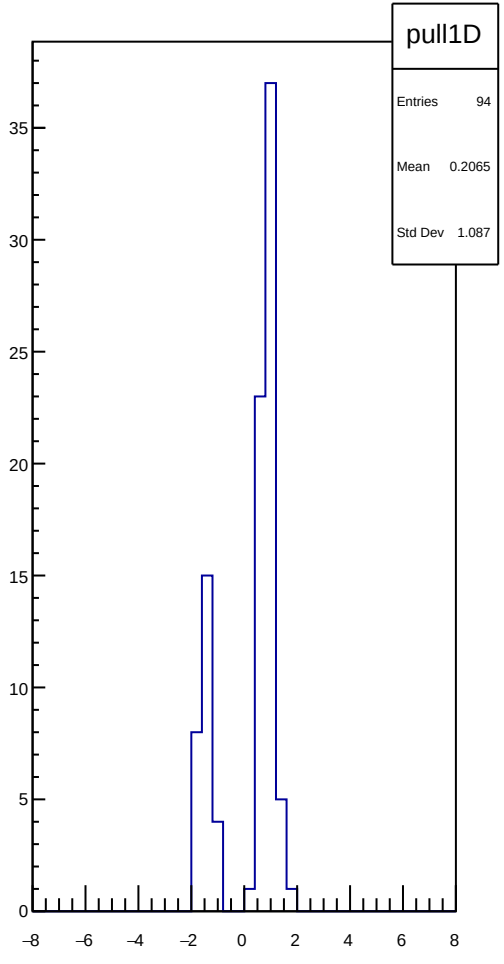

pull1D
Entries 94
Mean −0.3207
Std Dev 1.072

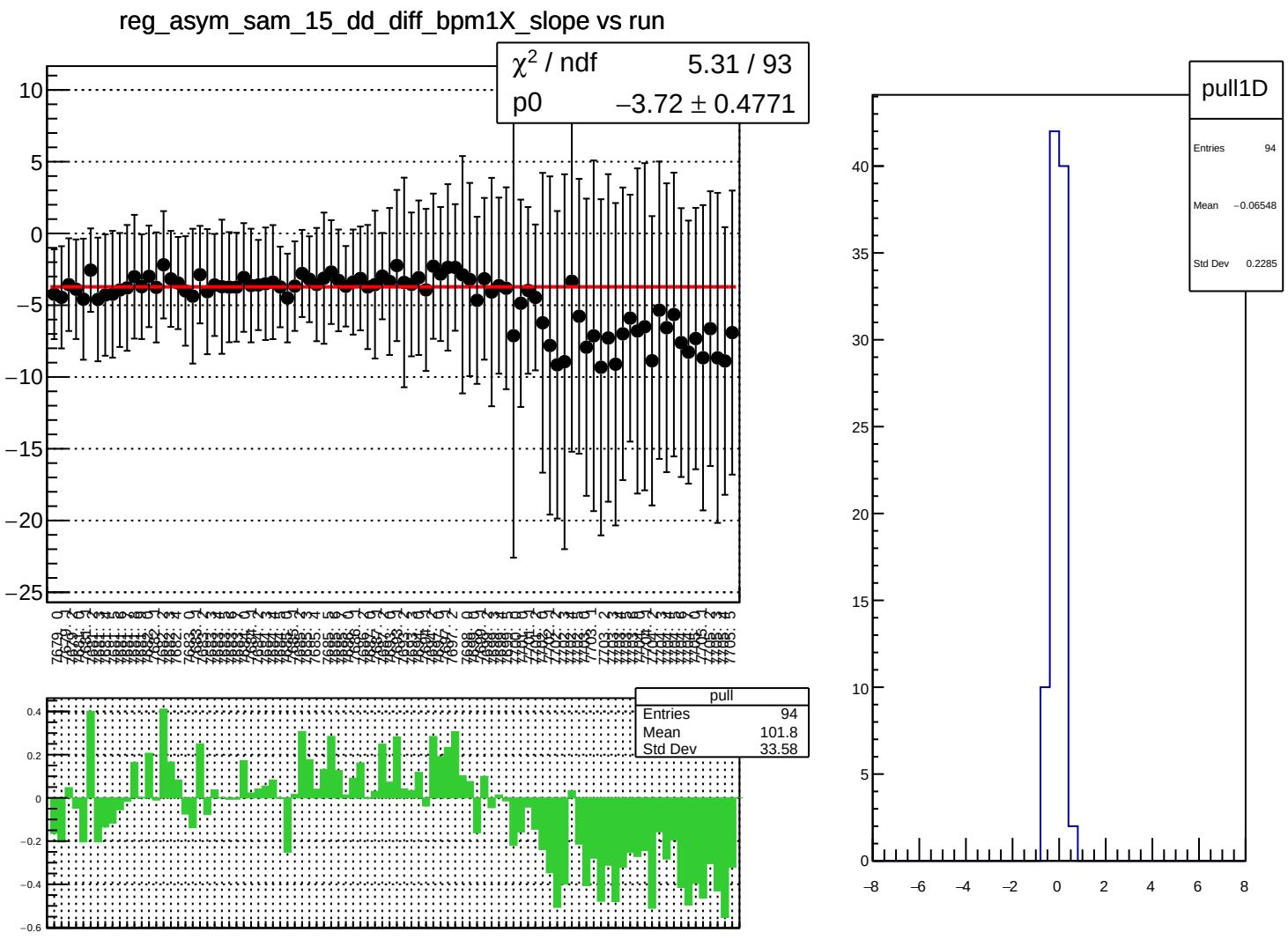

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 619.6 / 93
p0 1.046 ± 0.2819
pull
Entries 94
Mean 129.2
Std Dev 67.04
pull1D
Entries 94
Mean 0.528
Std Dev 2.513

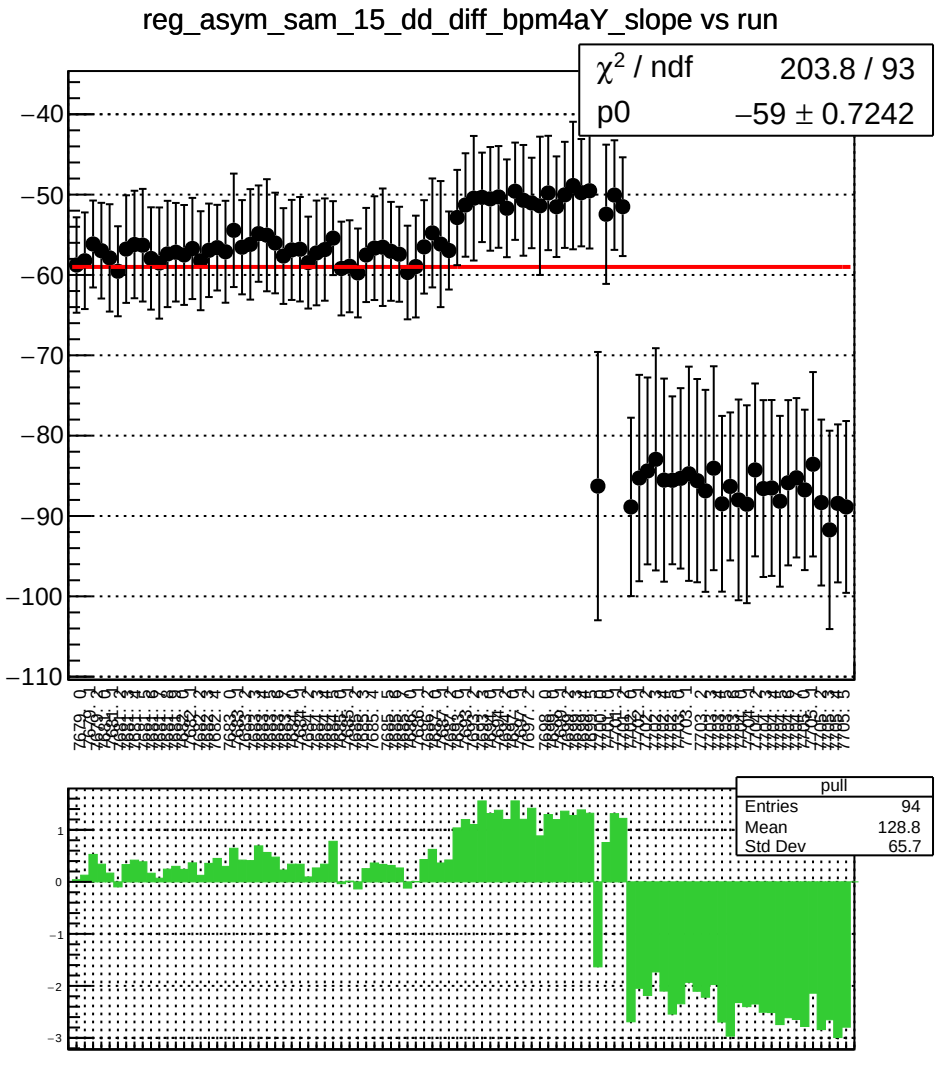

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 103.7 / 93
p0 −3.215 ± 0.1506
pull
Entries 94
Mean 106
Std Dev 46.12
pull1D
Entries 94
Mean 0.3598
Std Dev 0.9866

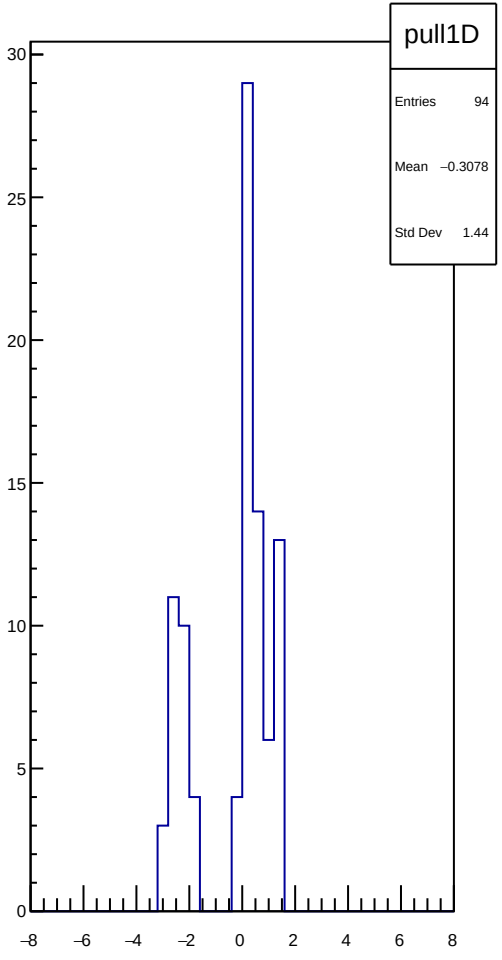

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 401.4 / 93
p0 47.09 ± 0.4047
pull
Entries 94
Mean 210
Std Dev 149.6
pull1D
Entries 94
Mean −0.2063
Std Dev 2.056

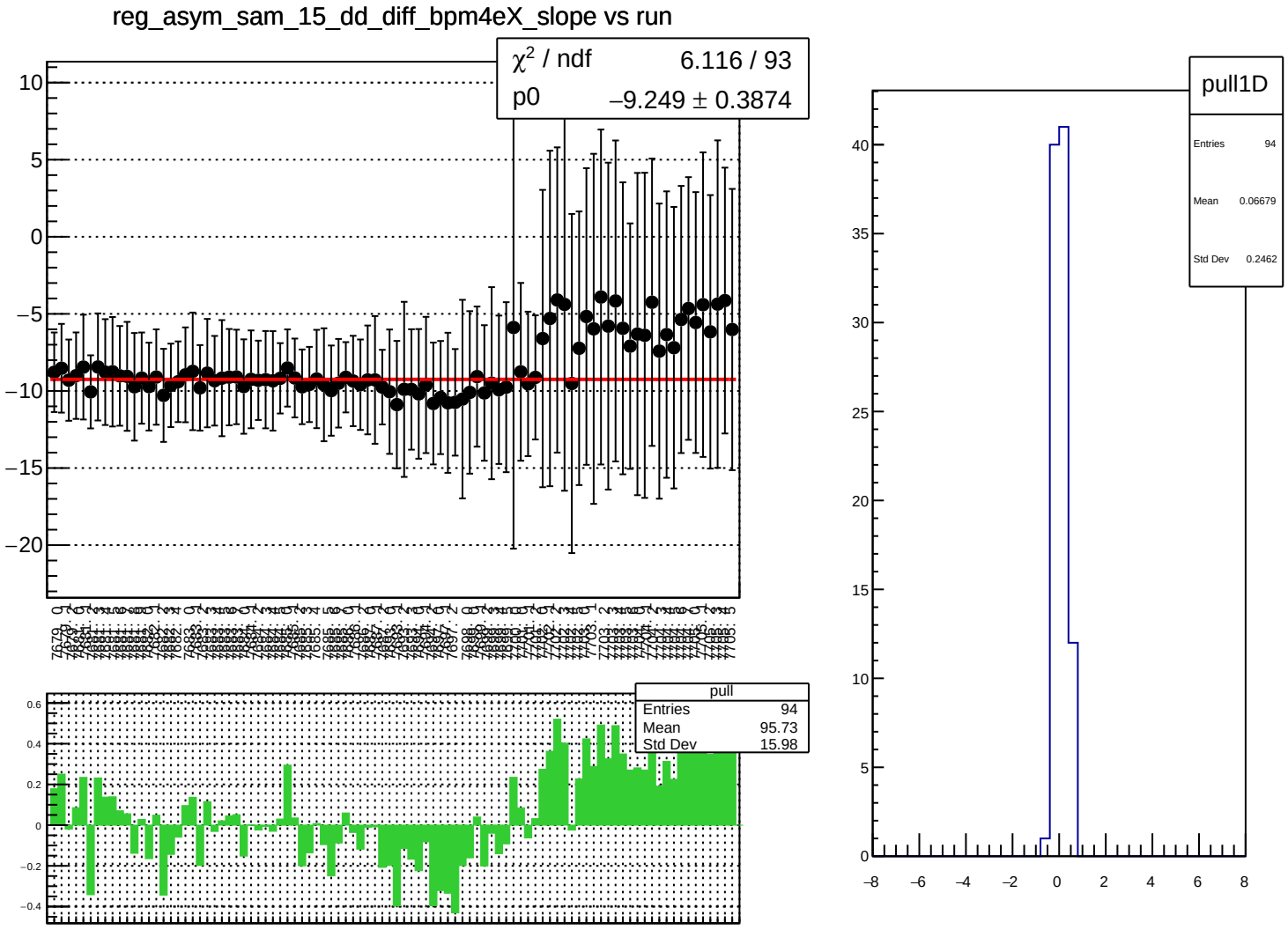

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 115.1 / 93
p0 0.1729 ± 0.01746
pull
Entries 94
Mean −61.84
Std Dev 111.5

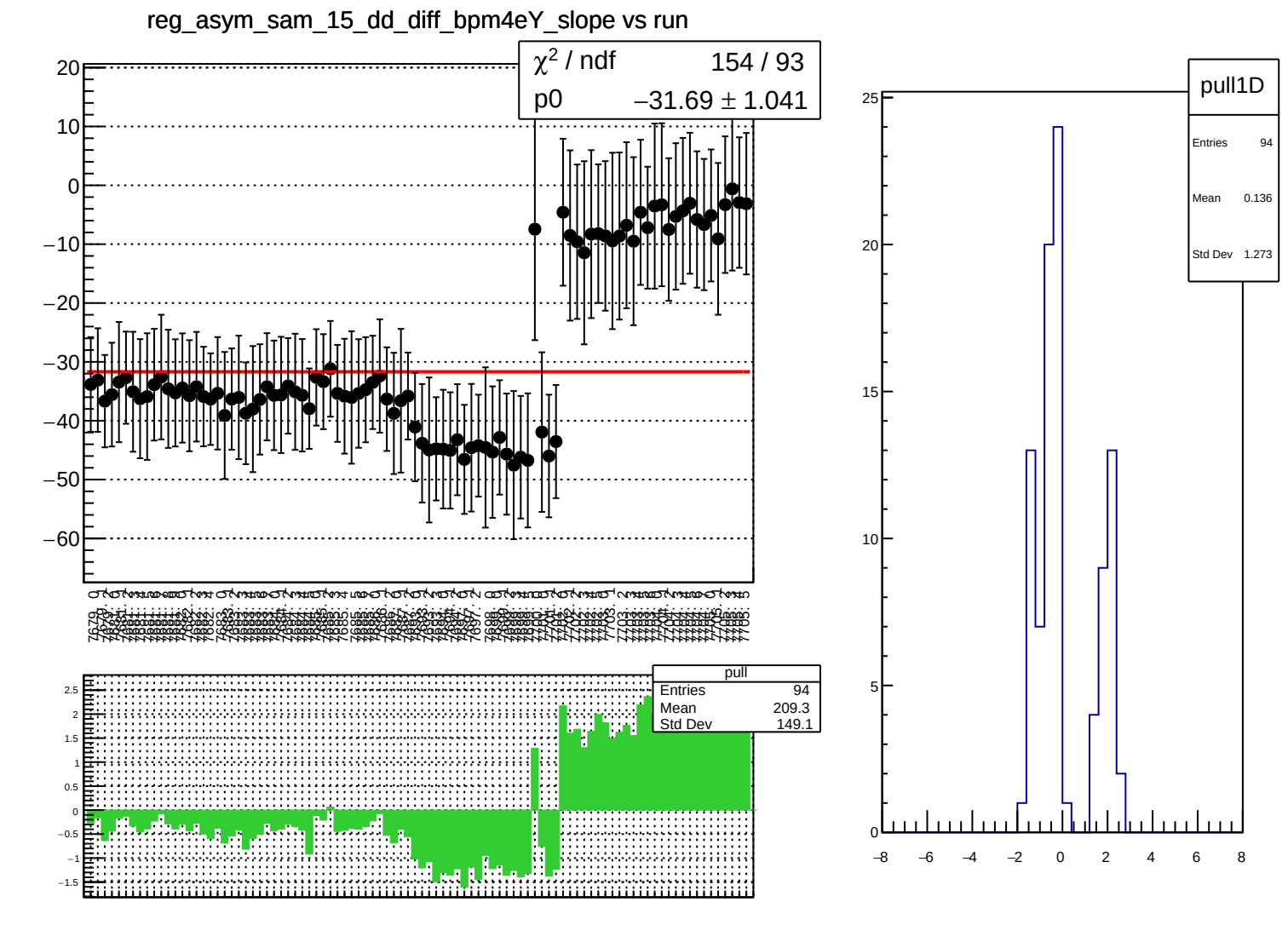

pull1D
Entries 94
Mean 0.2065
Std Dev 1.087

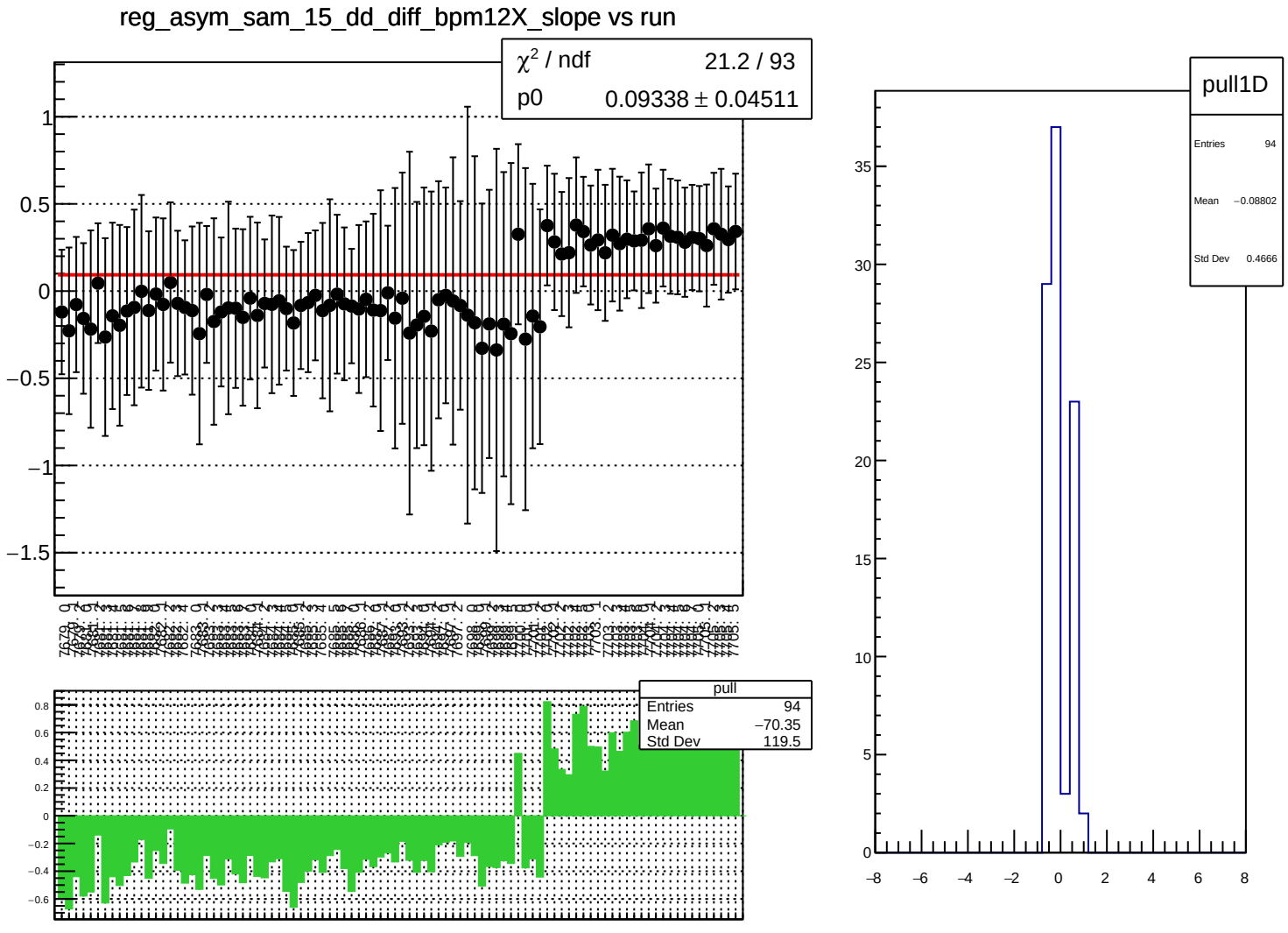

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 5.31 / 93
p0 −3.72 ± 0.4771
pull
Entries 94
Mean 101.8
Std Dev 33.58
pull1D
Entries 94
Mean −0.06548
Std Dev 0.2285

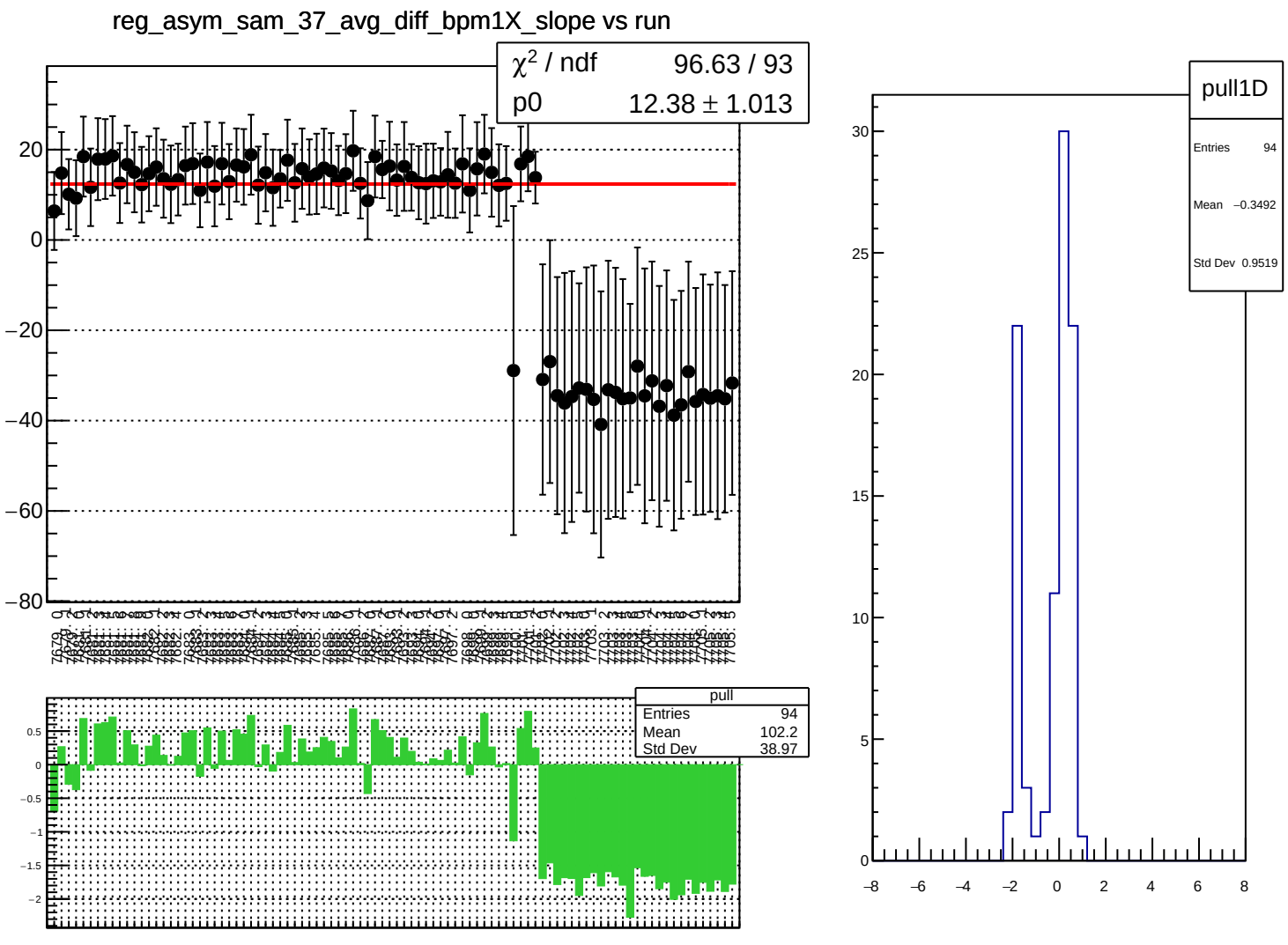

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 203.8 / 93
p0 −59 ± 0.7242
pull
Entries 94
Mean 128.8
Std Dev 65.7

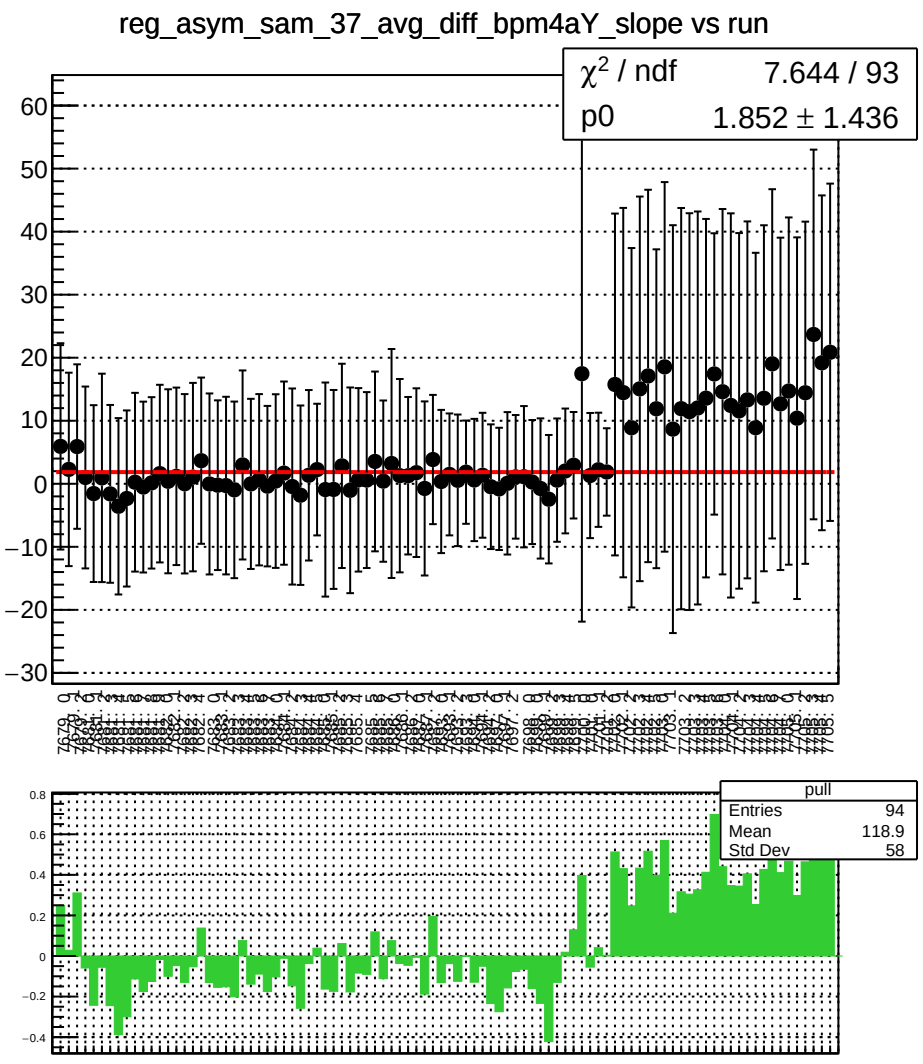

pull1D
Entries 94
Mean −0.3078
Std Dev 1.44

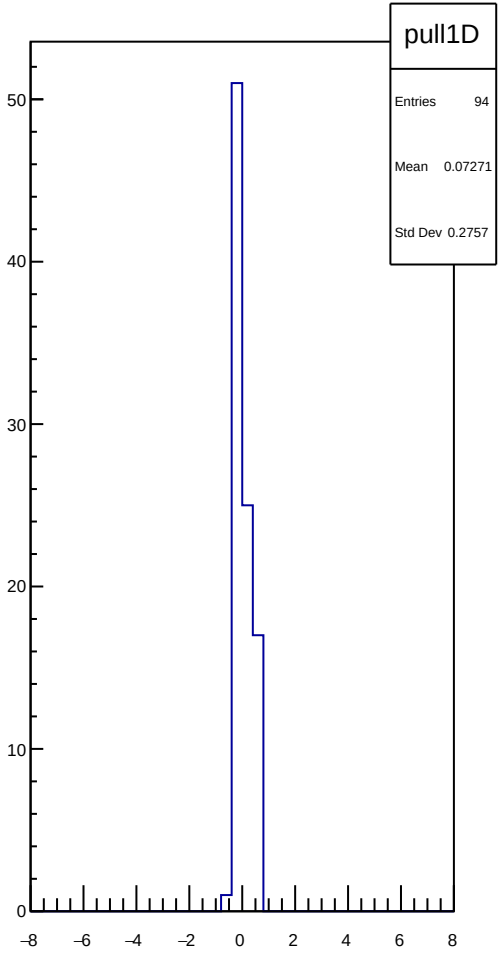

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.116 / 93
p0 −9.249 ± 0.3874
pull
Entries 94
Mean 95.73
Std Dev 15.98
pull1D
Entries 94
Mean 0.06679
Std Dev 0.2462

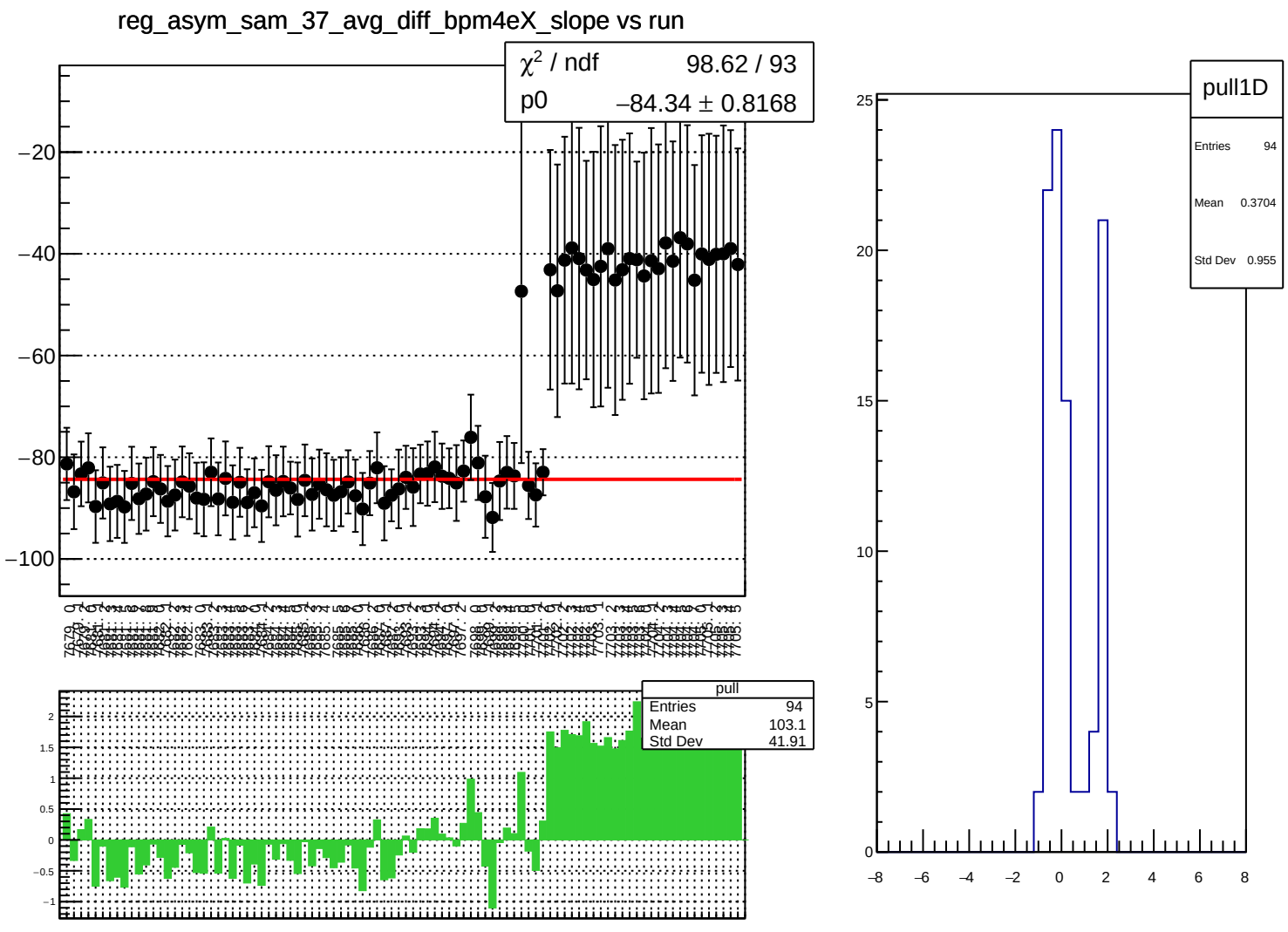

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 154 / 93
p0 −31.69 ± 1.041
pull
Entries 94
Mean 209.3
Std Dev 149.1
pull1D
Entries 94
Mean 0.136
Std Dev 1.273

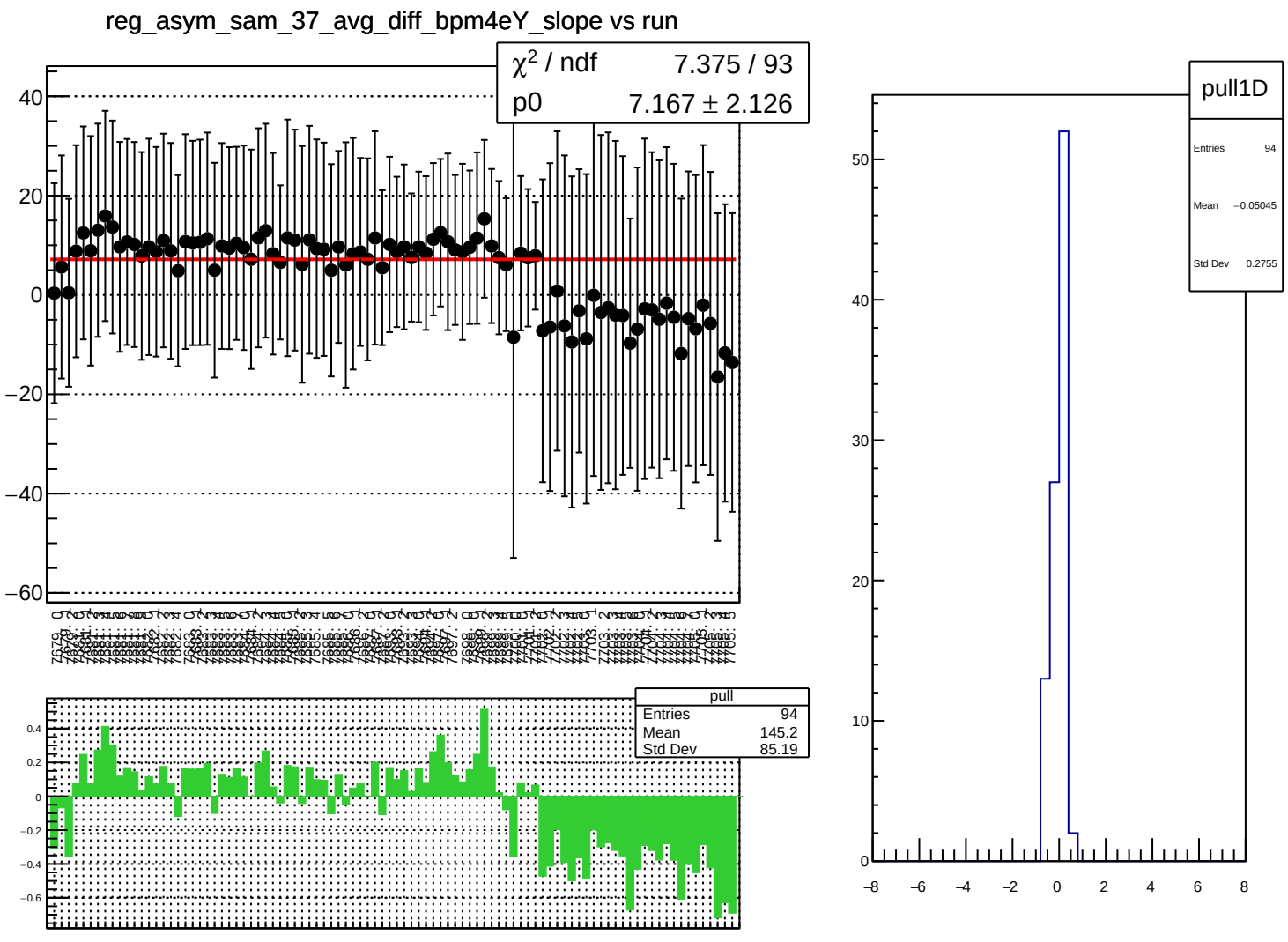

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 21.2 / 93
p0 0.09338 ± 0.04511
pull
Entries 94
Mean −70.35
Std Dev 119.5
pull1D
Entries 94
Mean −0.08802
Std Dev 0.4666

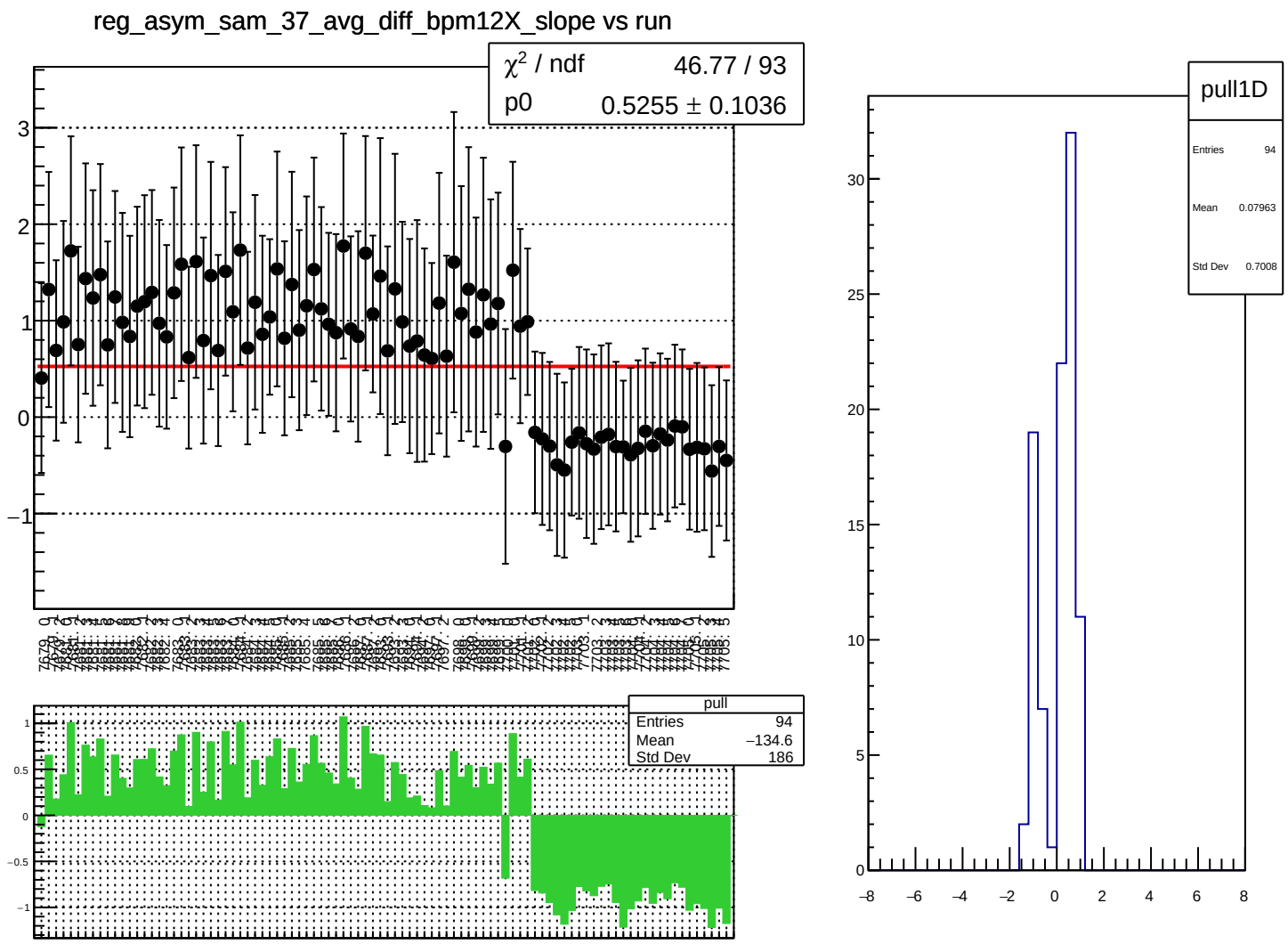

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 96.63 / 93
p0 12.38 ± 1.013
20
0
−20
−40
−60
−80
pull
Entries 94
Mean 102.2
Std Dev 38.97
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 94
Mean −0.3492
Std Dev 0.9519
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

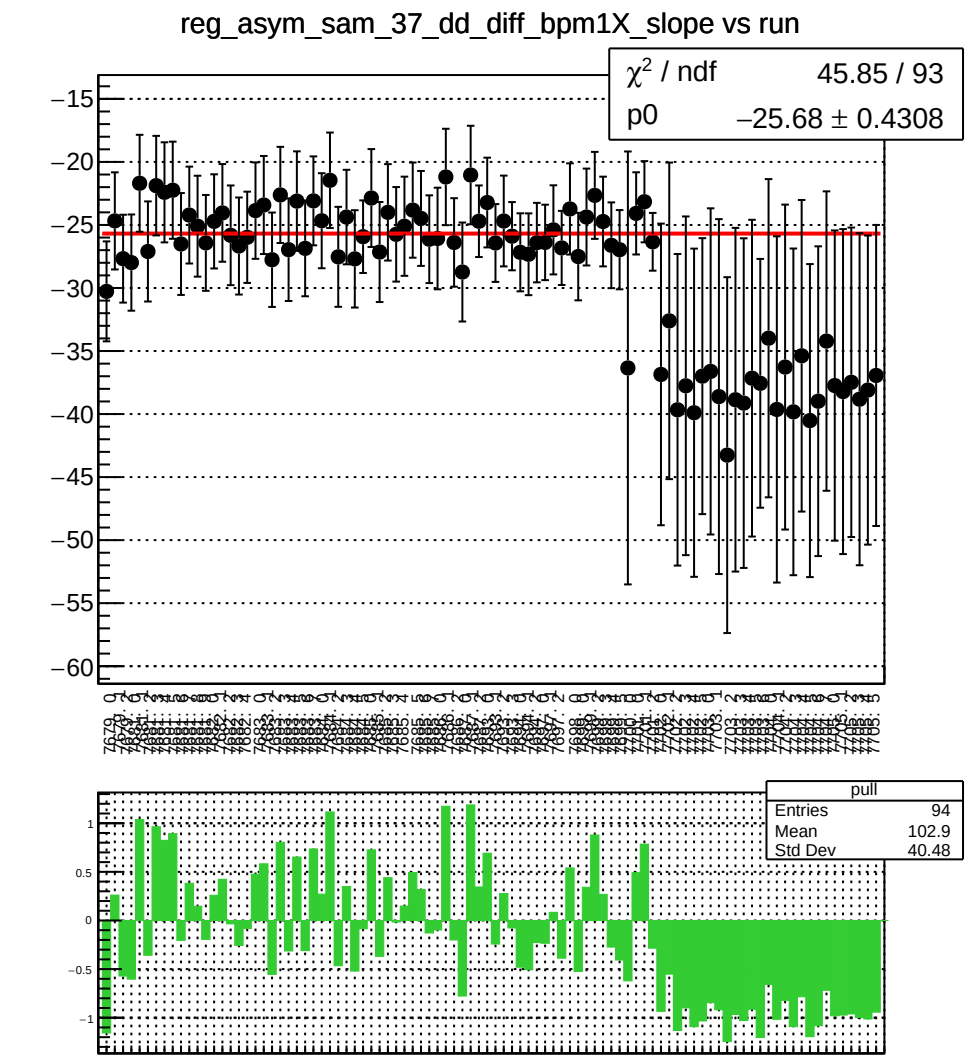

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.644 / 93
p0 1.852 ± 1.436
pull
Entries 94
Mean 118.9
Std Dev 58

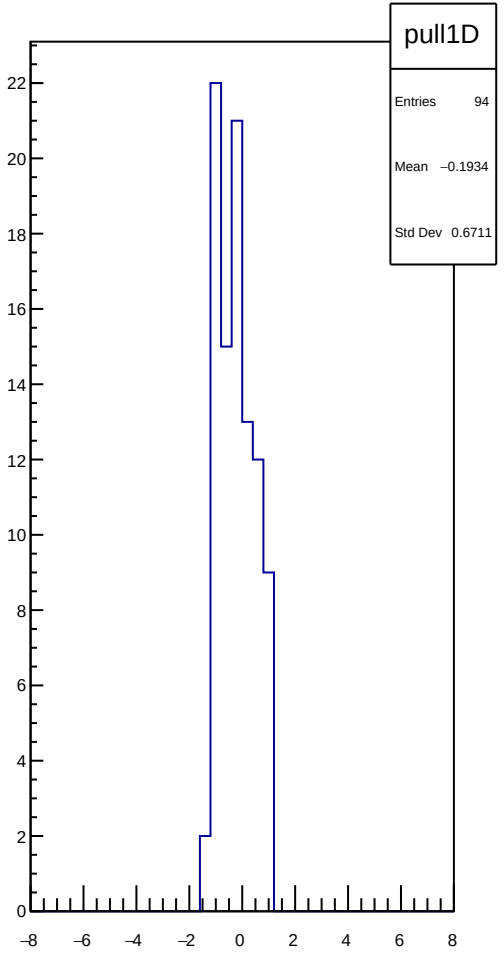

pull1D
Entries 94
Mean 0.07271
Std Dev 0.2757

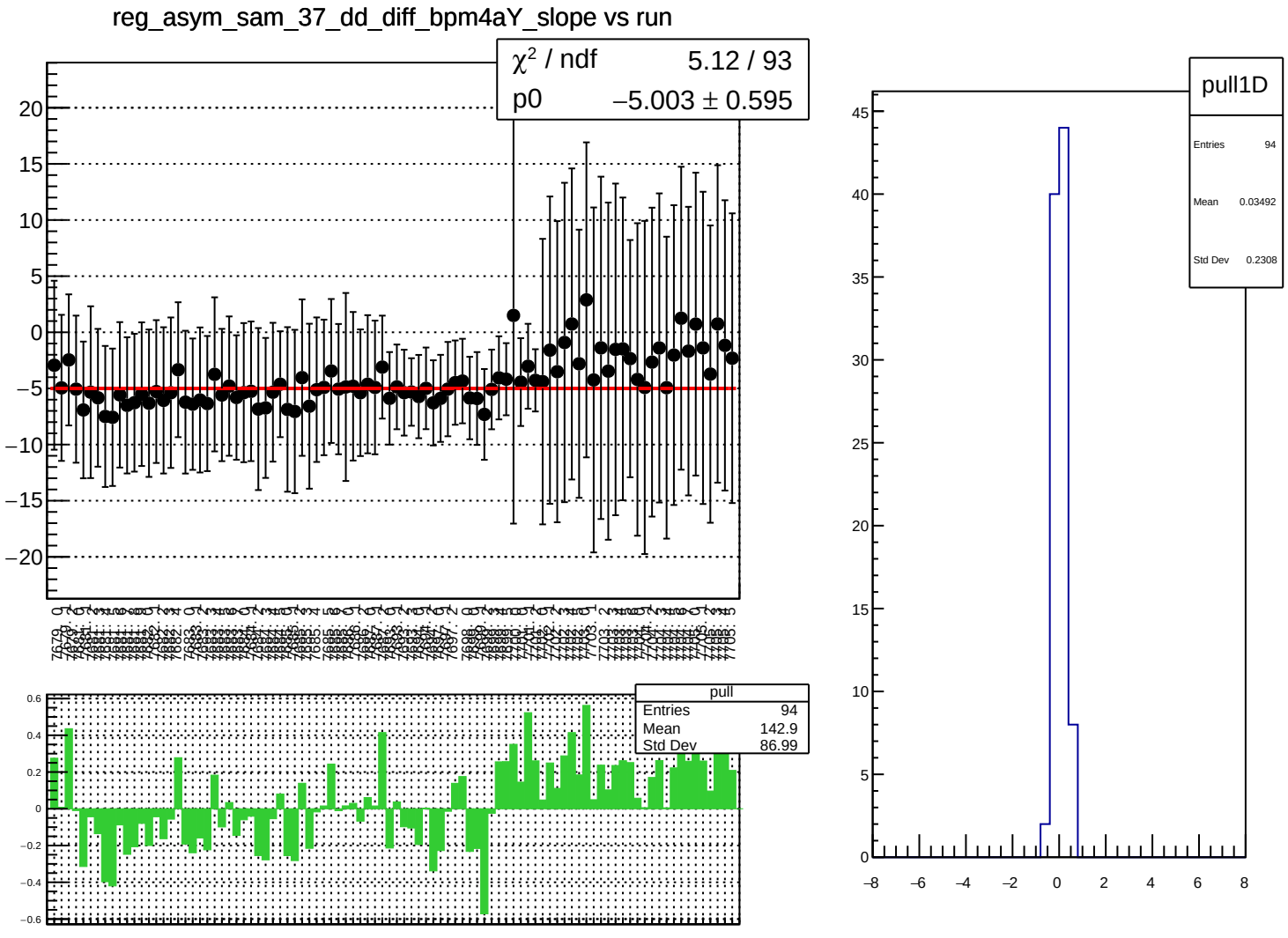

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 98.62 / 93
p0 −84.34 ± 0.8168
−20
−40
−60
−80
−100
pull
Entries 94
Mean 103.1
Std Dev 41.91
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 94
Mean 0.3704
Std Dev 0.955
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

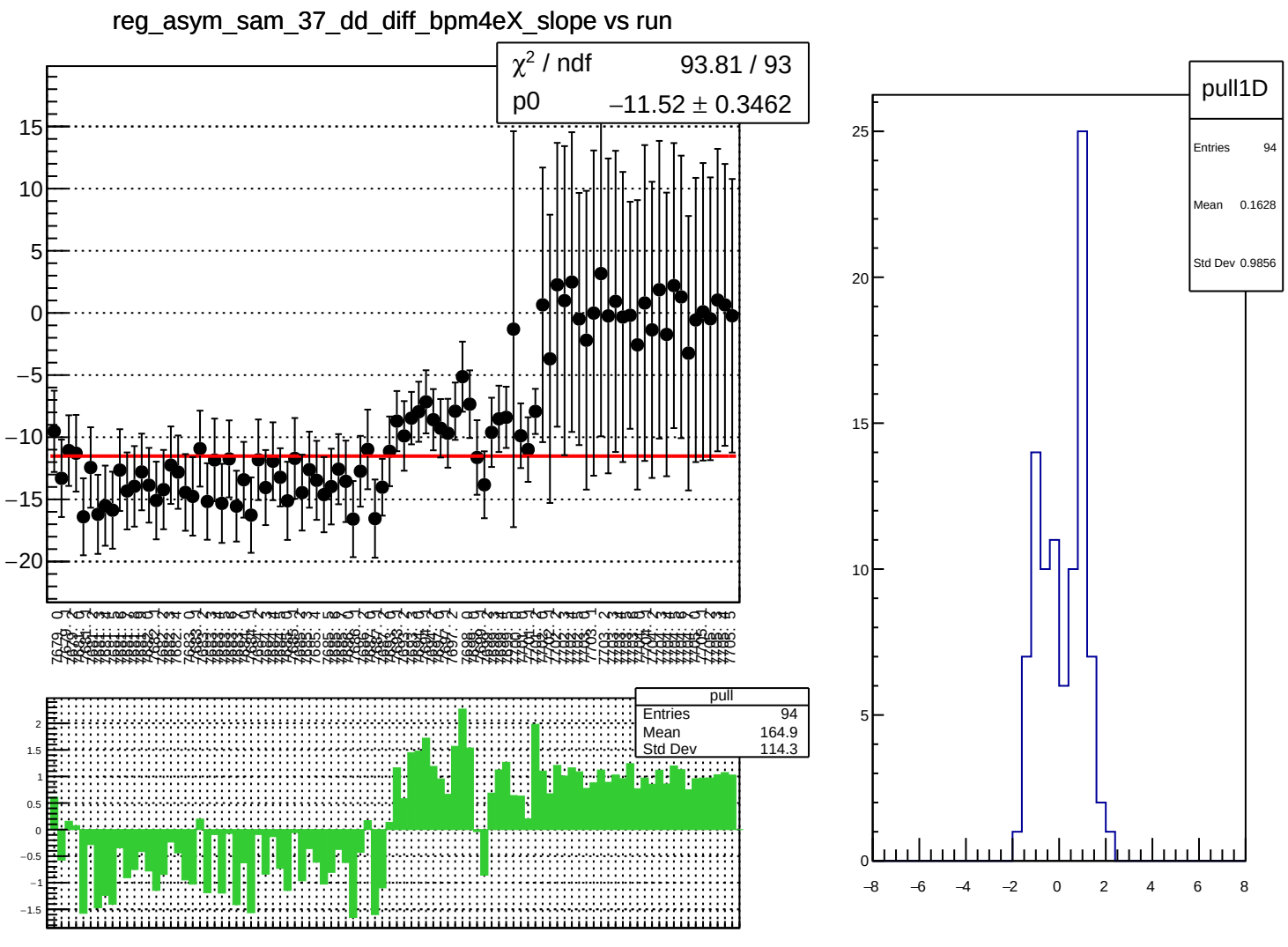

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.375 / 93
p0 7.167 ± 2.126
pull
Entries 94
Mean 145.2
Std Dev 85.19
pull1D
Entries 94
Mean −0.05045
Std Dev 0.2755

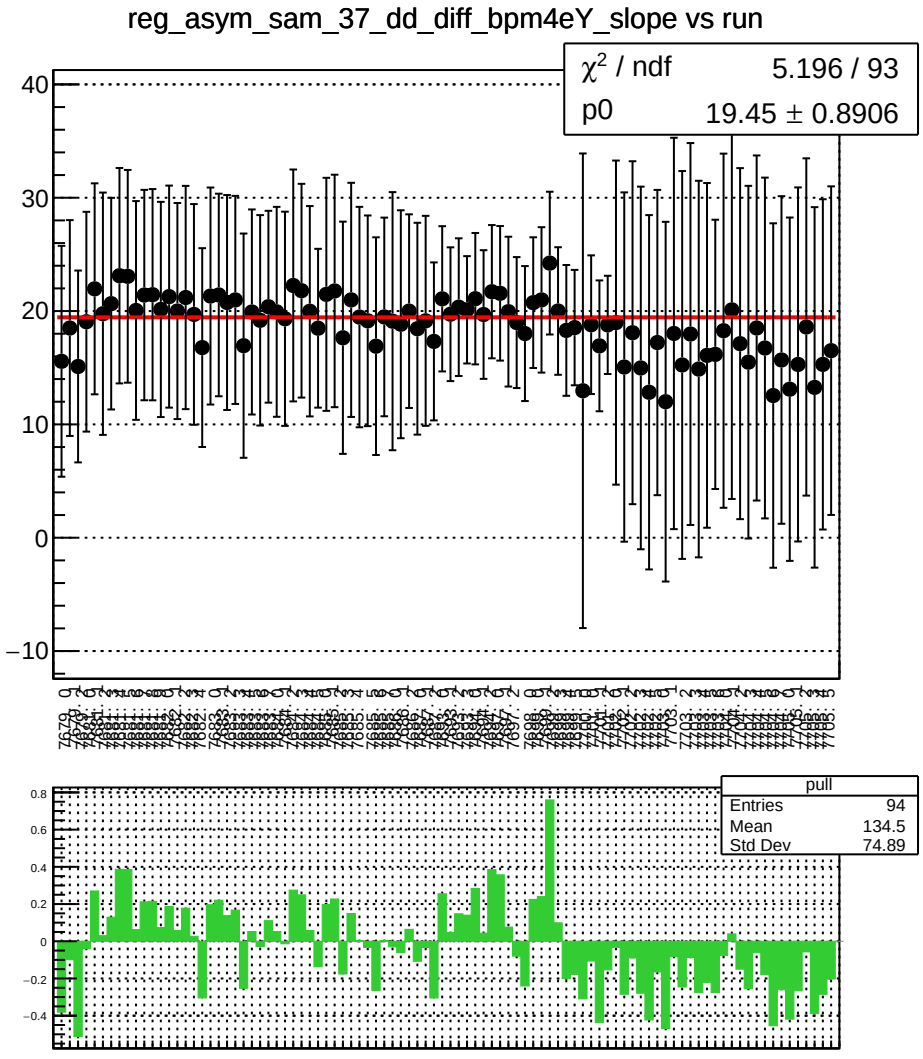

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 46.77 / 93
p0 0.5255 ± 0.1036
pull
Entries 94
Mean −134.6
Std Dev 186
pull1D
Entries 94
Mean 0.07963
Std Dev 0.7008

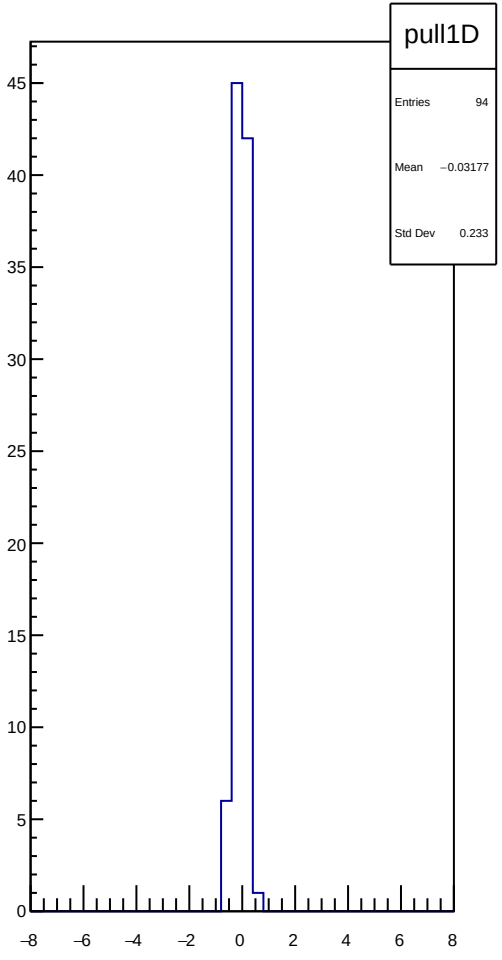

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 45.85 / 93
p0 −25.68 ± 0.4308
pull
Entries 94
Mean 102.9
Std Dev 40.48

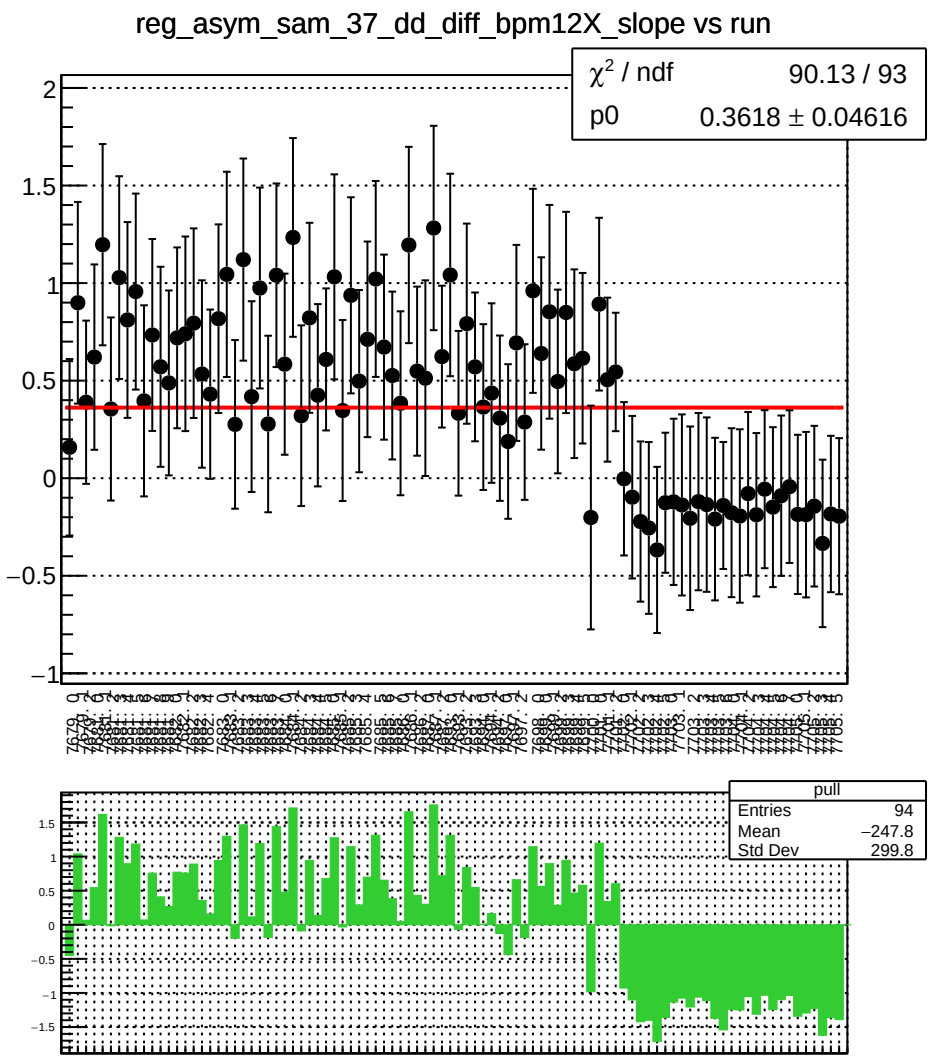

pull1D
Entries 94
Mean −0.1934
Std Dev 0.6711

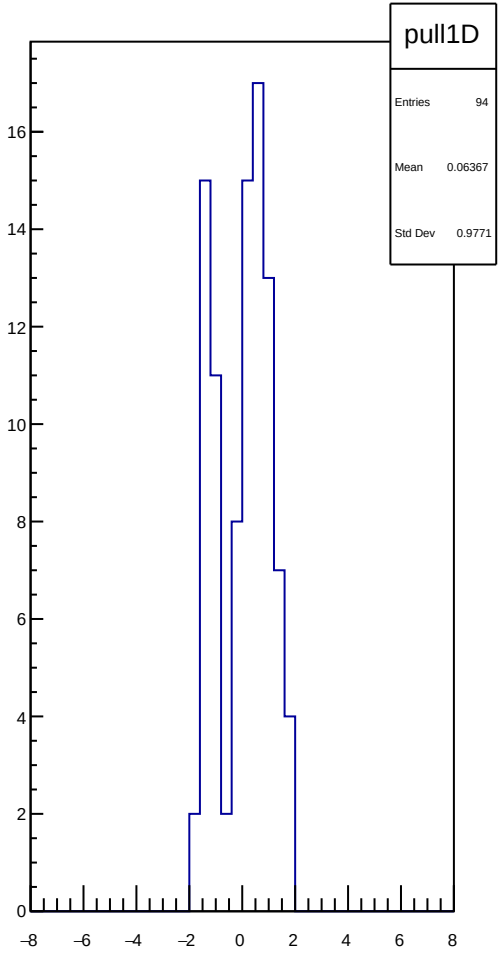

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.12 / 93
p0 −5.003 ± 0.595
pull
Entries 94
Mean 142.9
Std Dev 86.99
pull1D
Entries 94
Mean 0.03492
Std Dev 0.2308

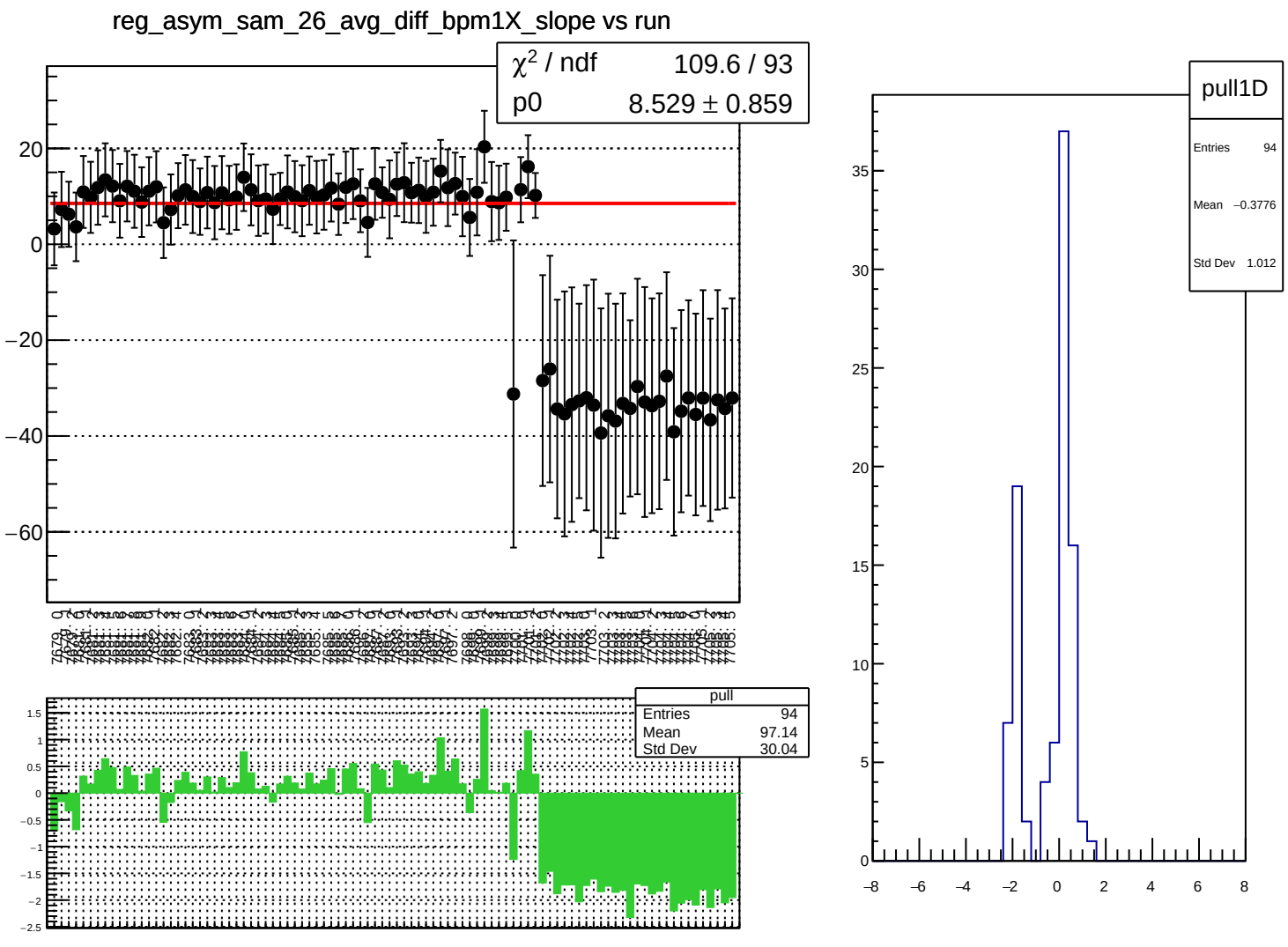

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.81 / 93
p0 −11.52 ± 0.3462
pull
Entries 94
Mean 164.9
Std Dev 114.3
pull1D
Entries 94
Mean 0.1628
Std Dev 0.9856

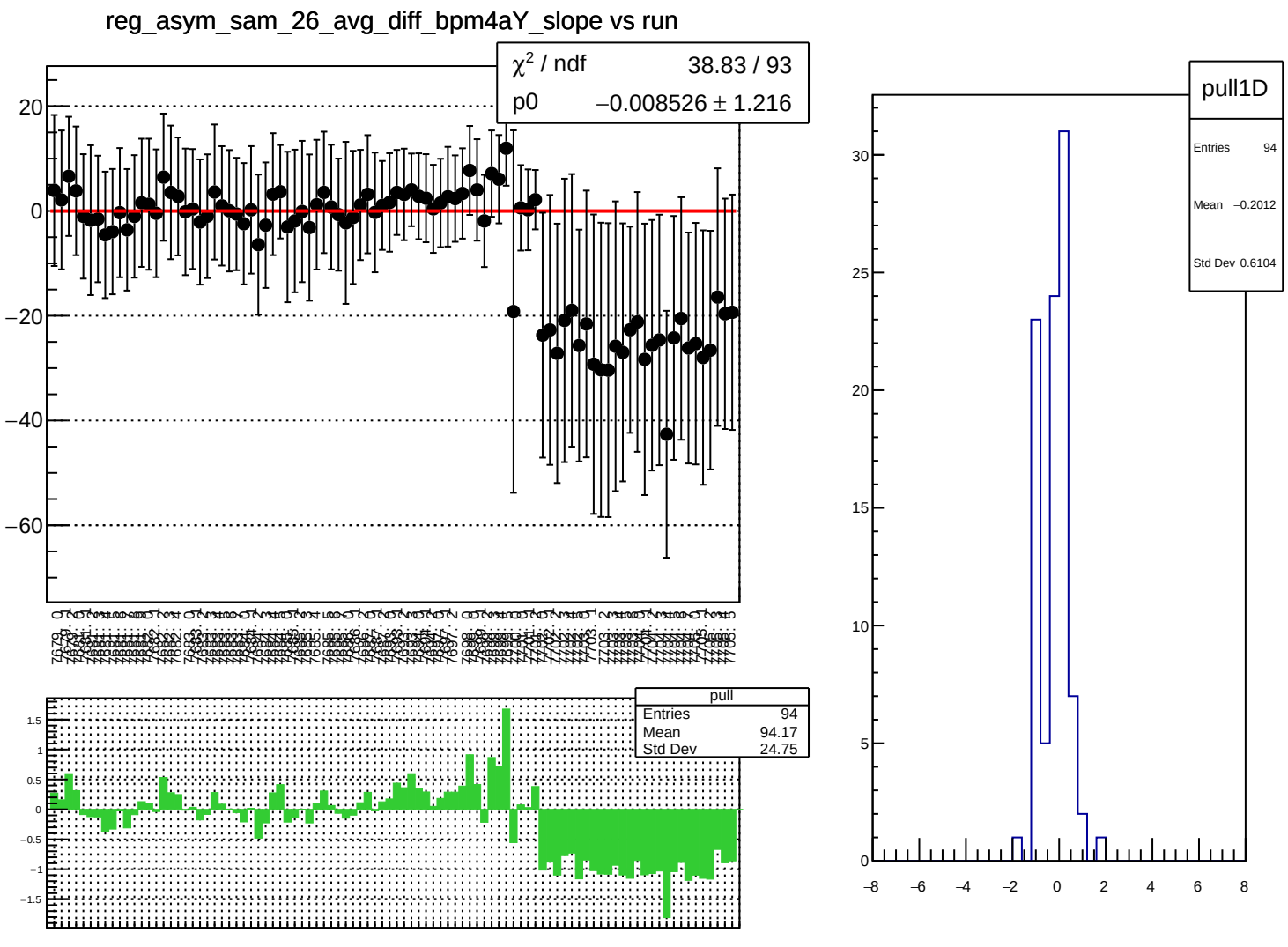

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.196 / 93
p0 19.45 ± 0.8906
pull
Entries 94
Mean 134.5
Std Dev 74.89

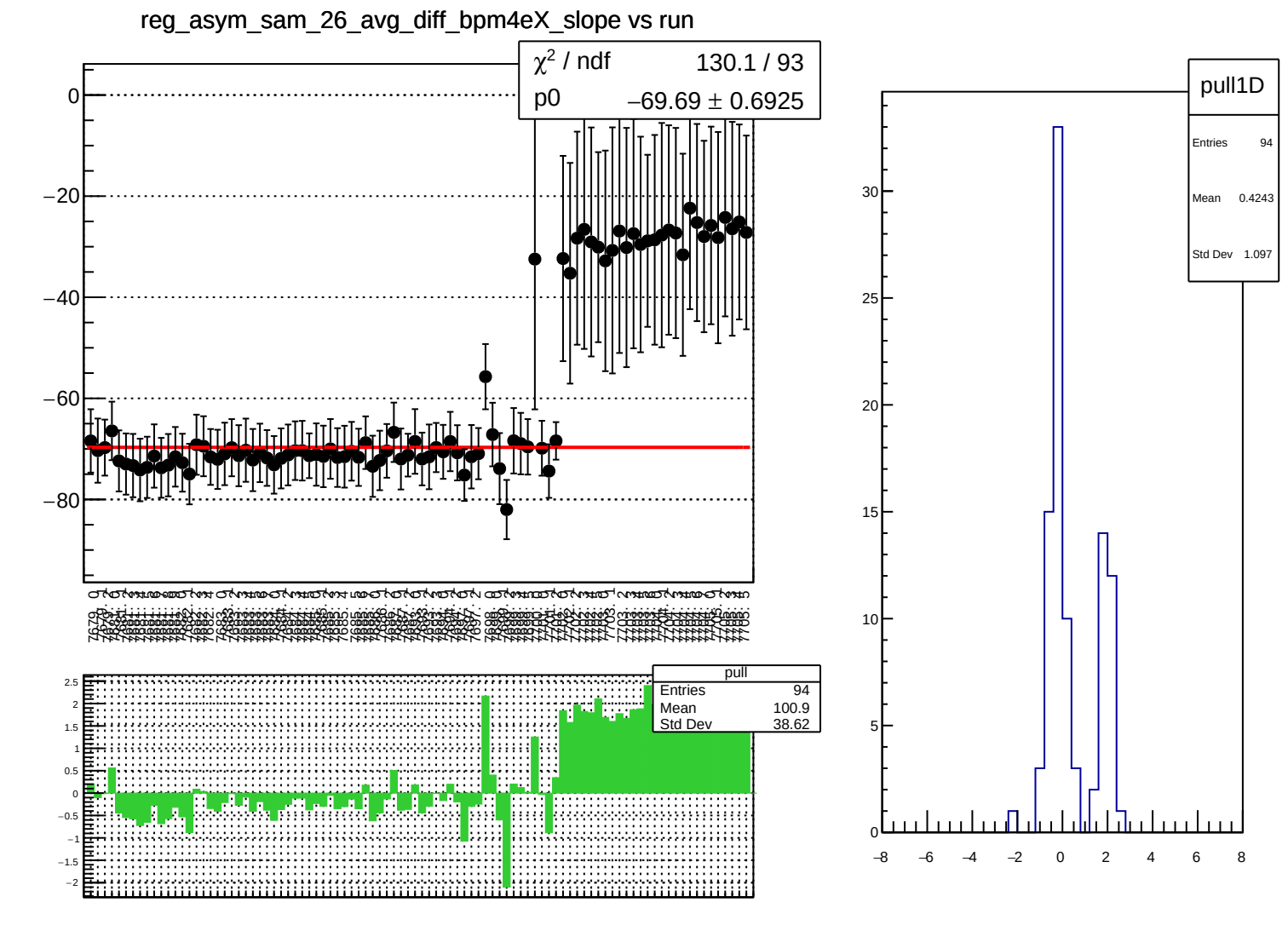

pull1D
Entries 94
Mean −0.03177
Std Dev 0.233

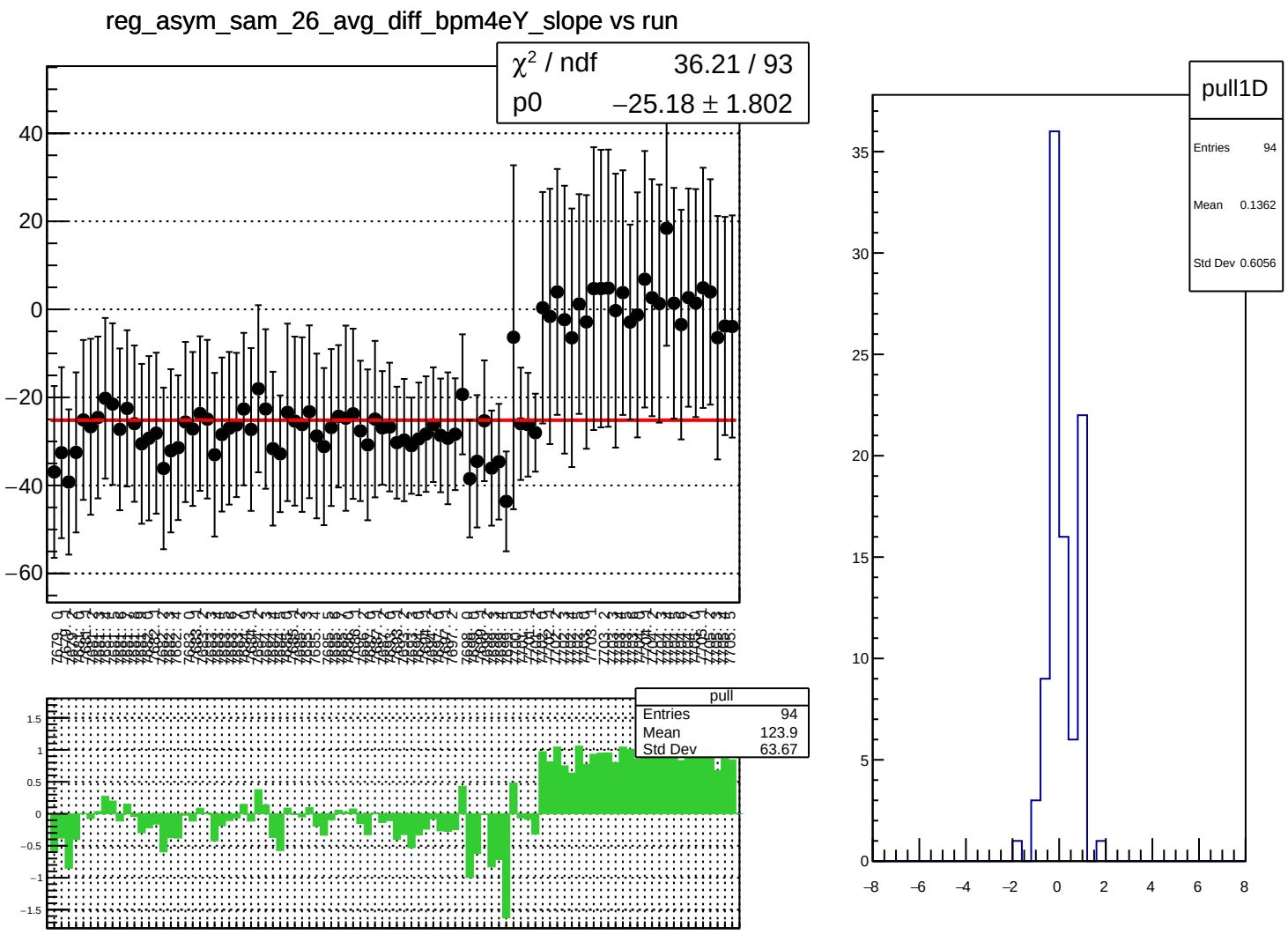

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 90.13 / 93
p0 0.3618 ± 0.04616
pull
Entries 94
Mean −247.8
Std Dev 299.8

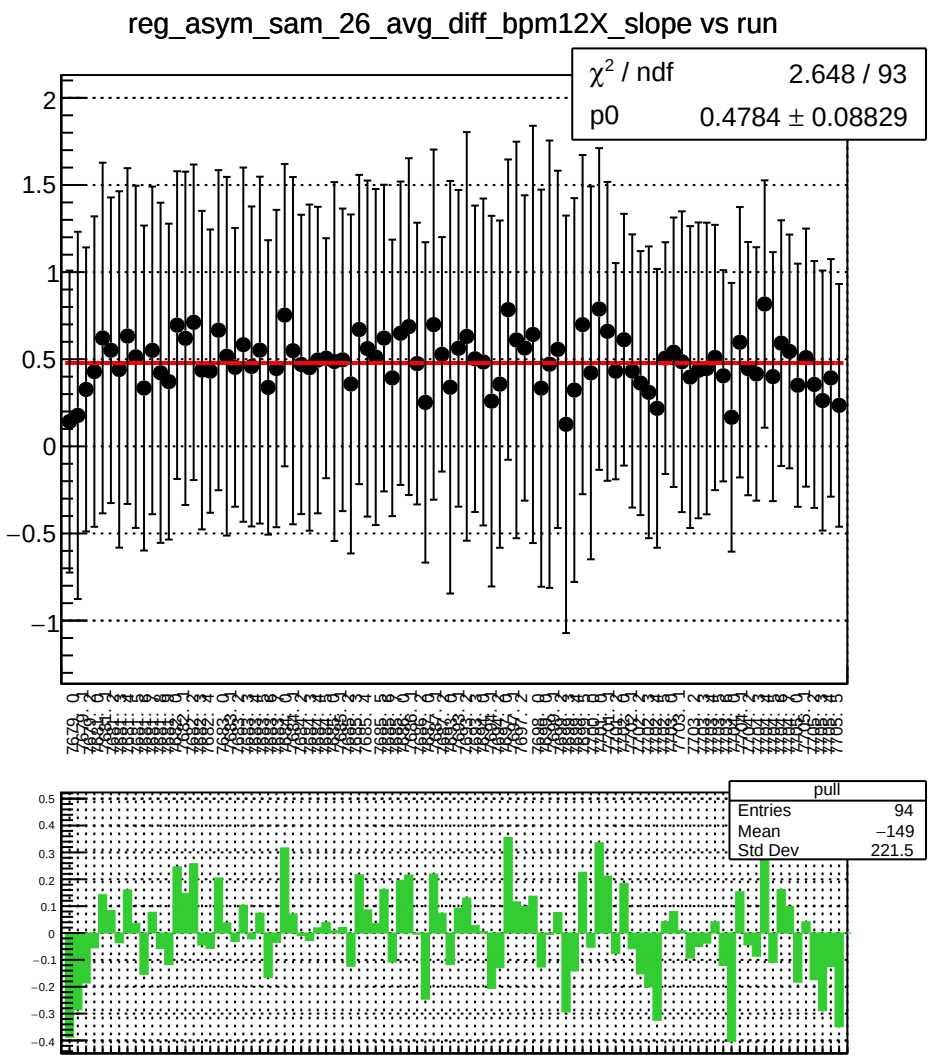

pull1D
Entries 94
Mean 0.06367
Std Dev 0.9771

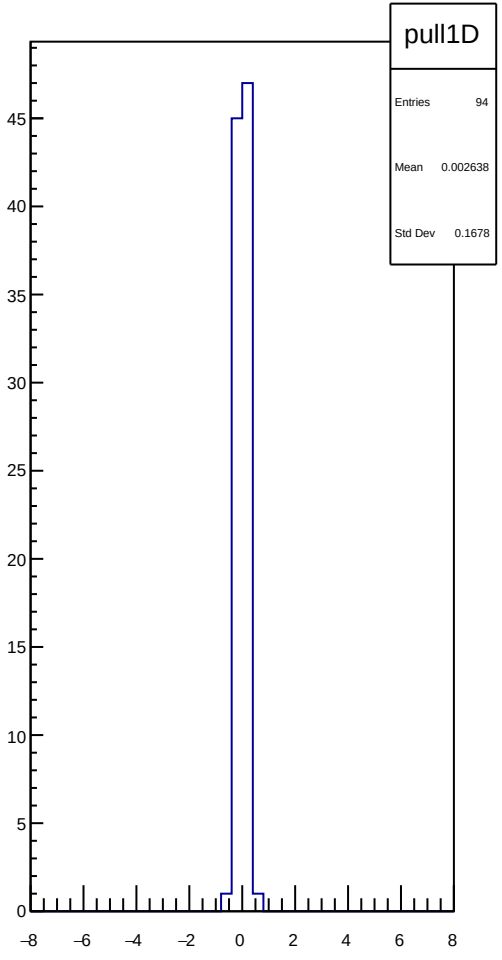

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 109.6 / 93
p0 8.529 ± 0.859
pull
Entries 94
Mean 97.14
Std Dev 30.04
pull1D
Entries 94
Mean −0.3776
Std Dev 1.012

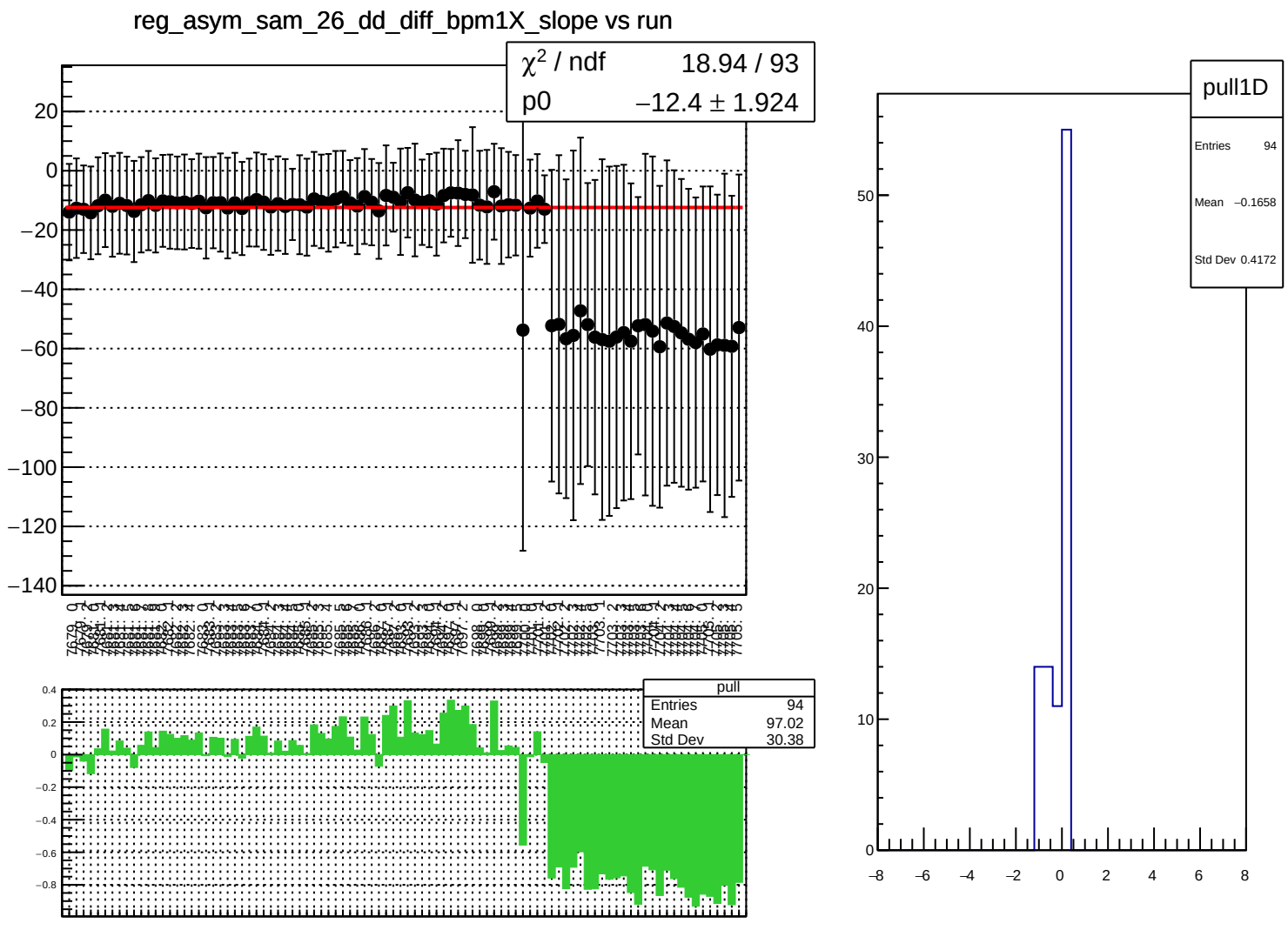

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.83 / 93
p0 −0.008526 ± 1.216
20
0
−20
−40
−60
pull
Entries 94
Mean 94.17
Std Dev 24.75
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 94
Mean −0.2012
Std Dev 0.6104
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

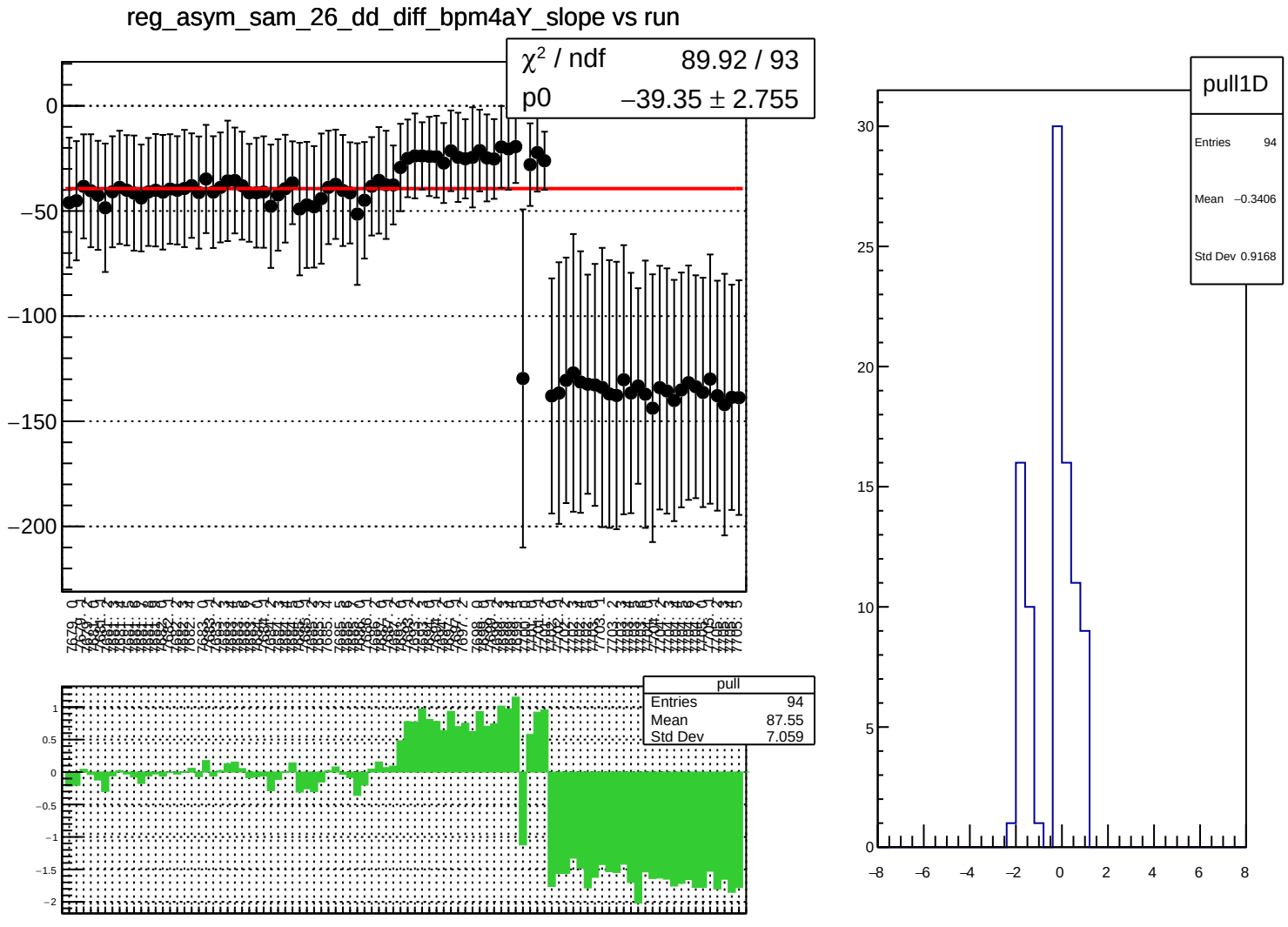

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 130.1 / 93
p0 −69.69 ± 0.6925
0
−20
−40
−60
−80
pull
Entries 94
Mean 100.9
Std Dev 38.62
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 94
Mean 0.4243
Std Dev 1.097
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

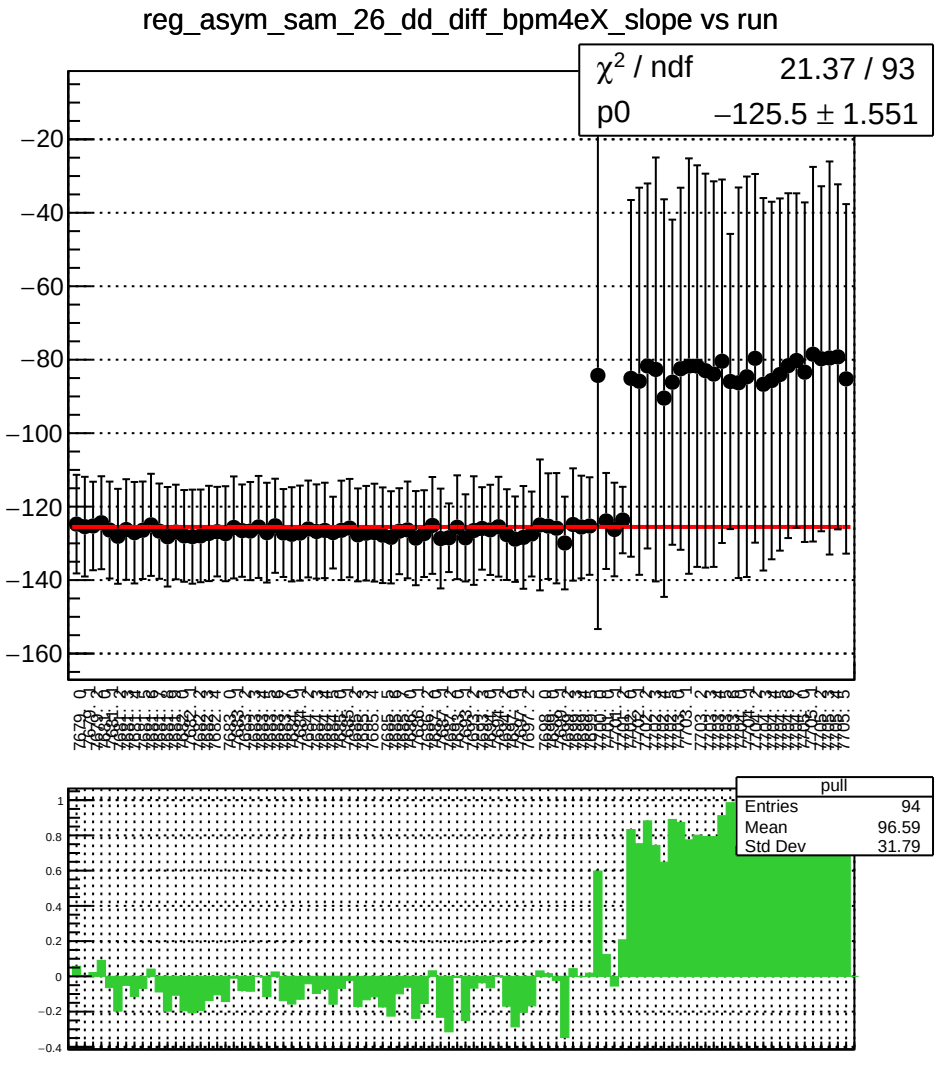

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.21 / 93
p0 −25.18 ± 1.802
pull
Entries 94
Mean 123.9
Std Dev 63.67
pull1D
Entries 94
Mean 0.1362
Std Dev 0.6056

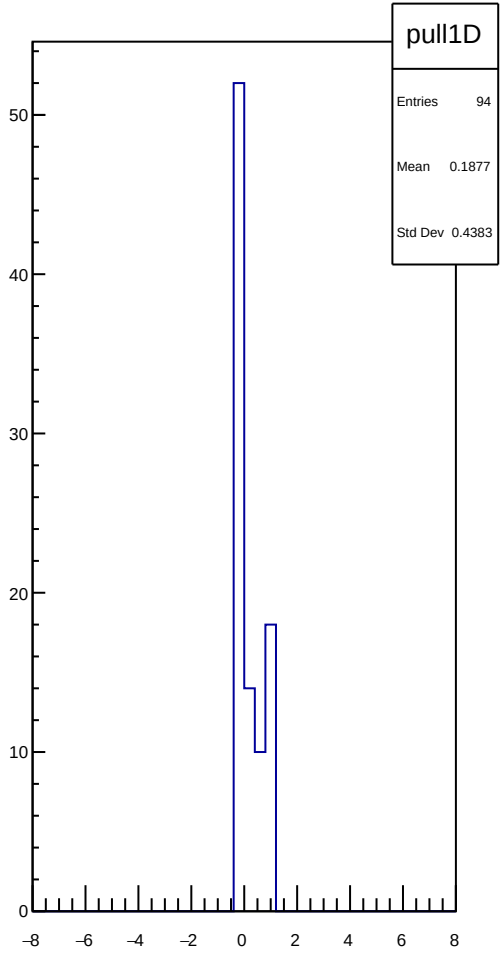

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.648 / 93
p0 0.4784 ± 0.08829
pull
Entries 94
Mean −149
Std Dev 221.5

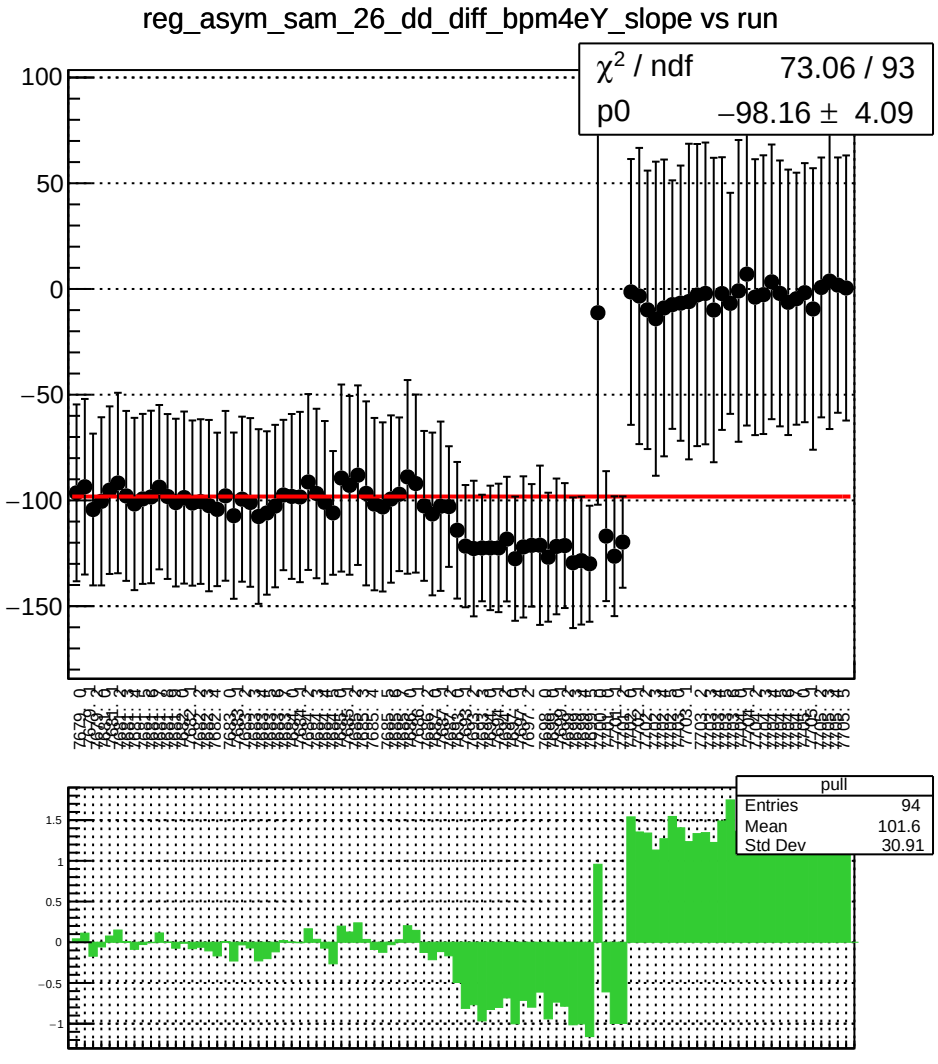

pull1D
Entries 94
Mean 0.002638
Std Dev 0.1678

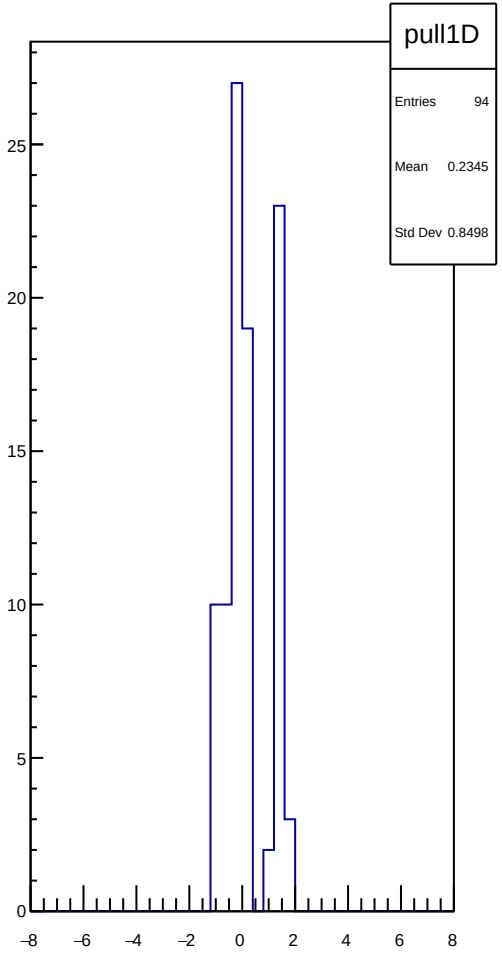

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 18.94 / 93
p0 −12.4 ± 1.924
pull
Entries 94
Mean 97.02
Std Dev 30.38
pull1D
Entries 94
Mean −0.1658
Std Dev 0.4172

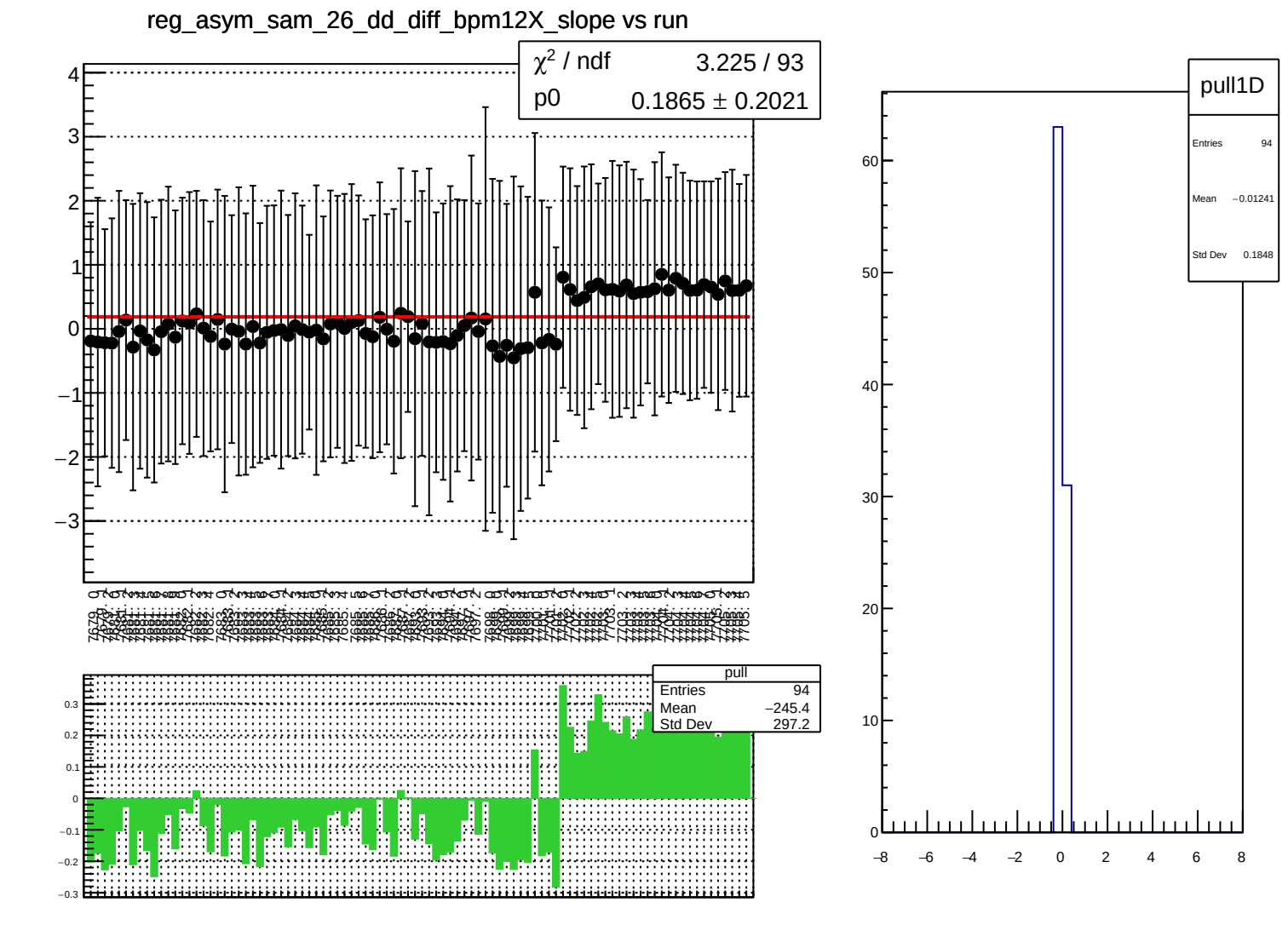

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 89.92 / 93
p0 −39.35 ± 2.755
0
−50
−100
−150
−200
pull
Entries 94
Mean 87.55
Std Dev 7.059
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 94
Mean −0.3406
Std Dev 0.9168
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

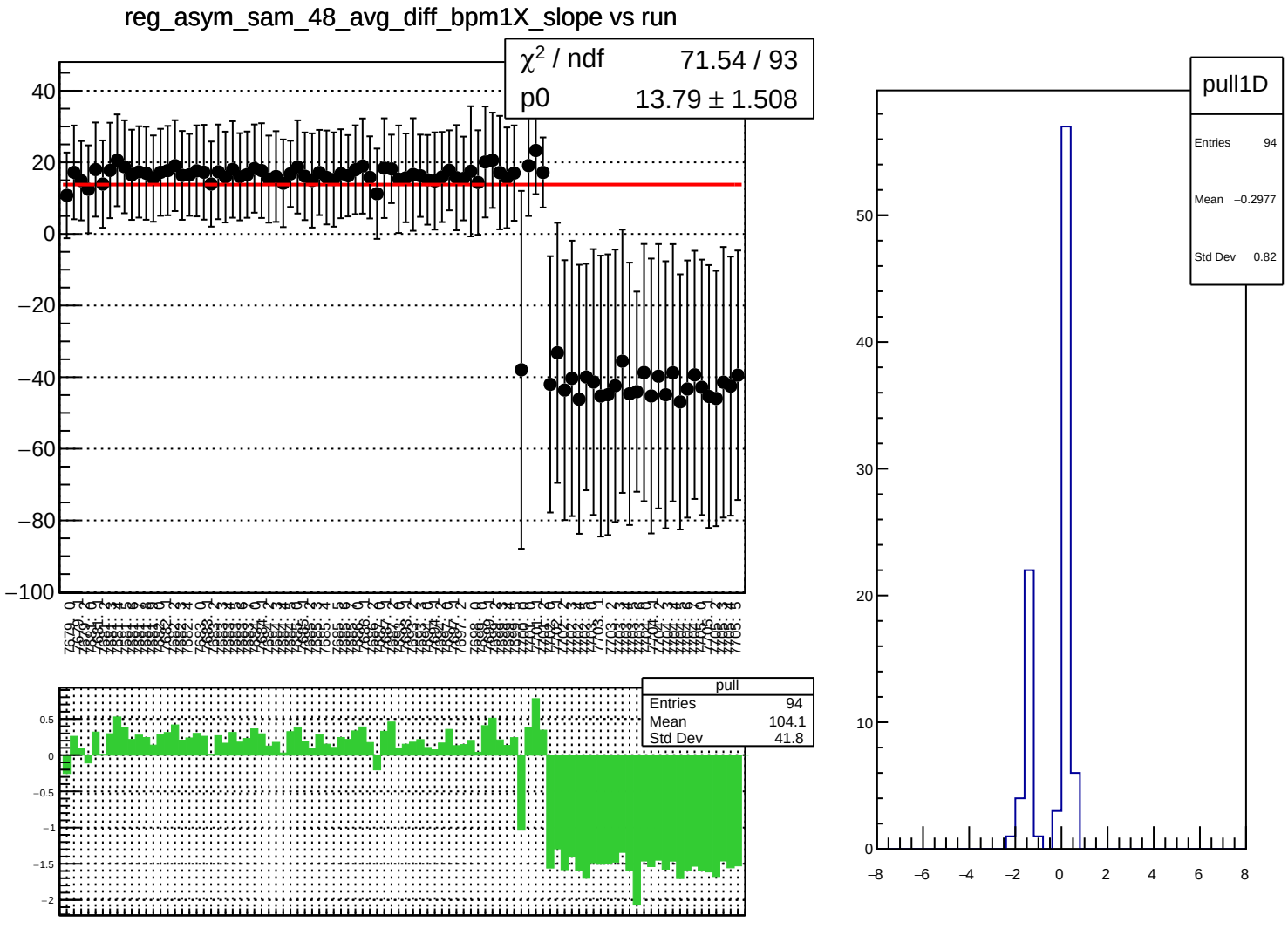

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.37 / 93
p0 −125.5 ± 1.551
pull
Entries 94
Mean 96.59
Std Dev 31.79

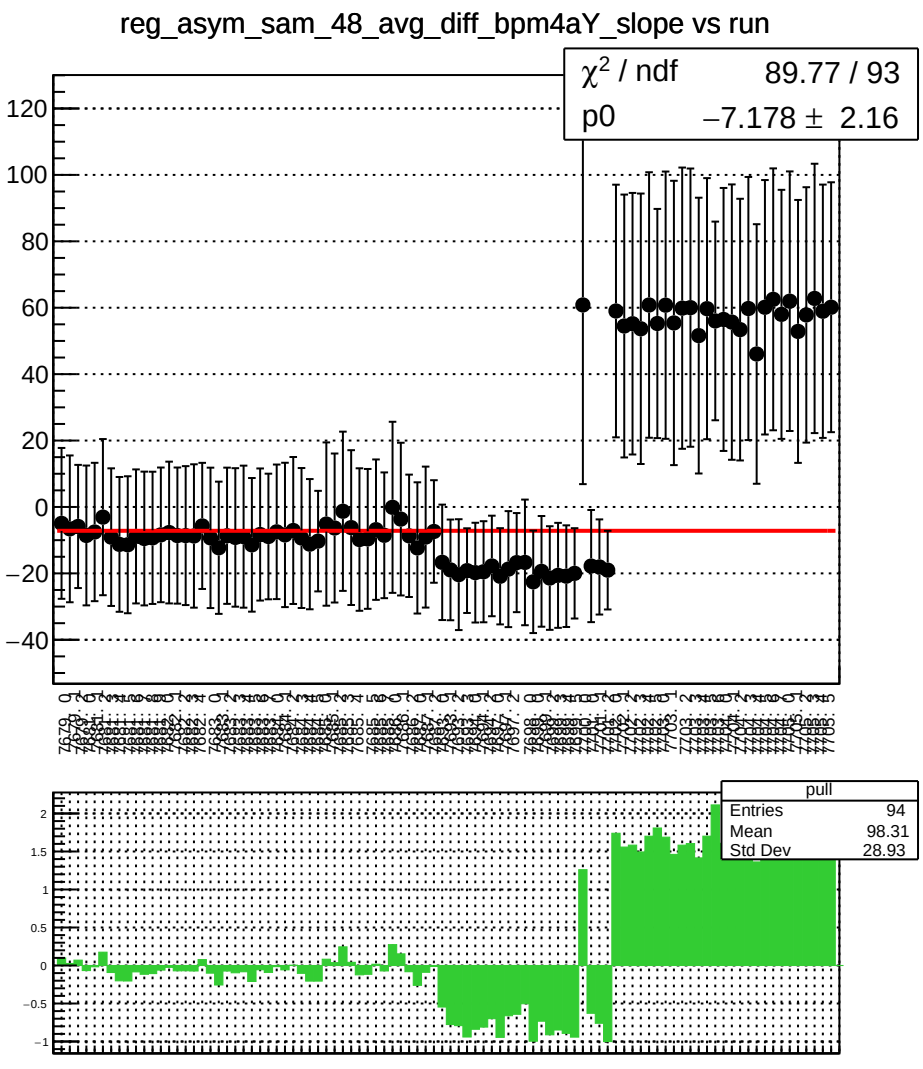

pull1D
Entries 94
Mean 0.1877
Std Dev 0.4383

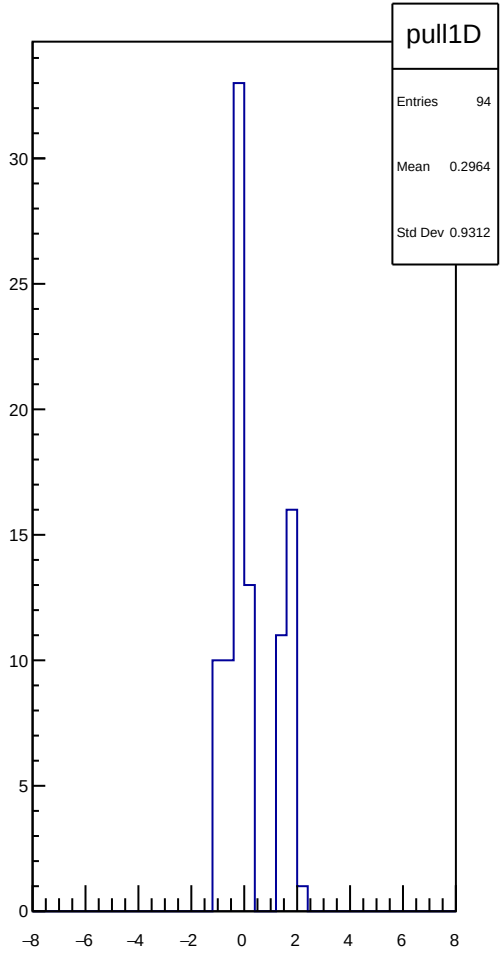

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.06 / 93
p0 −98.16 ± 4.09
100
50
0
−50
−100
−150
pull
Entries 94
Mean 101.6
Std Dev 30.91
1.5
1
0.5
0
−0.5
−1

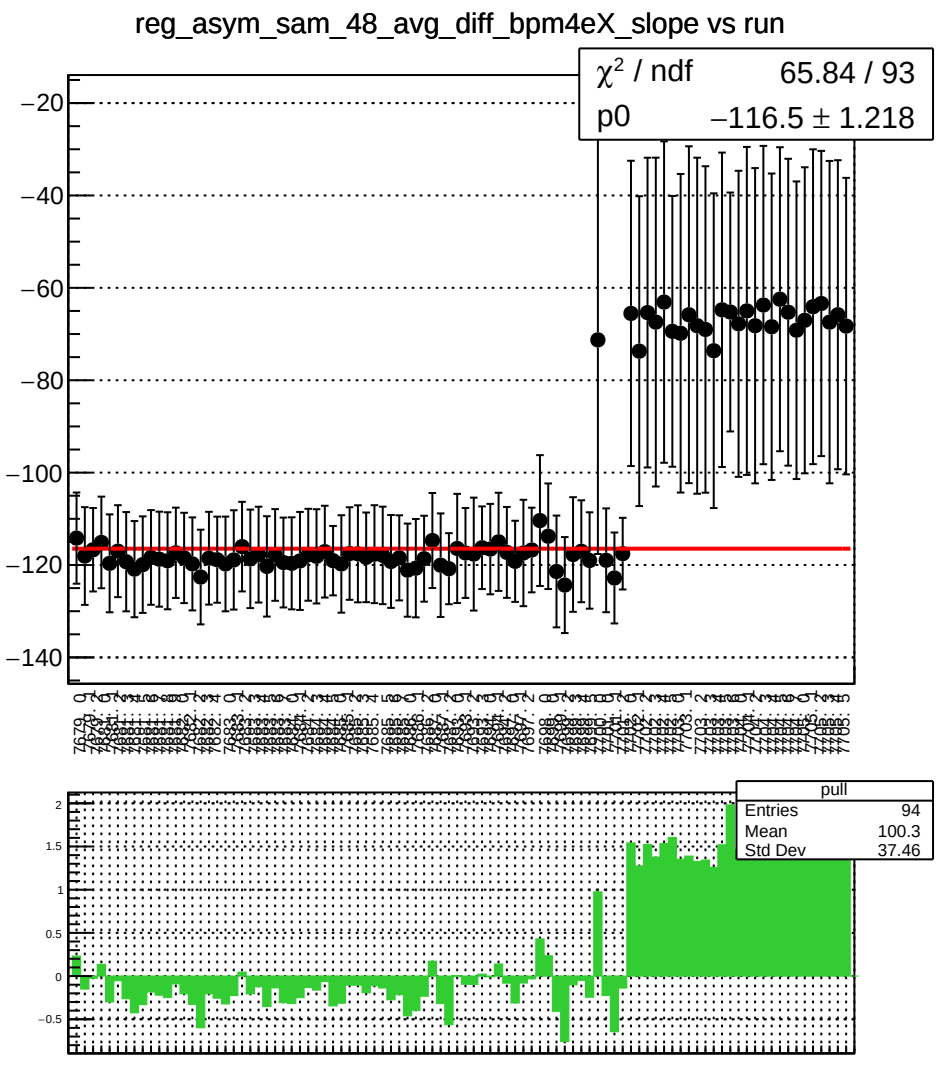

pull1D
Entries 94
Mean 0.2345
Std Dev 0.8498
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

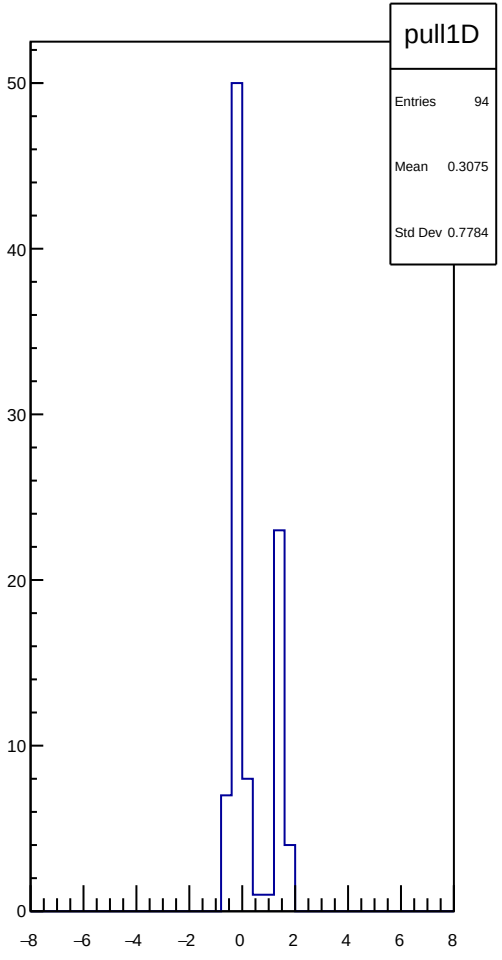

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.225 / 93
p0 0.1865 ± 0.2021
pull
Entries 94
Mean −245.4
Std Dev 297.2
pull1D
Entries 94
Mean −0.01241
Std Dev 0.1848

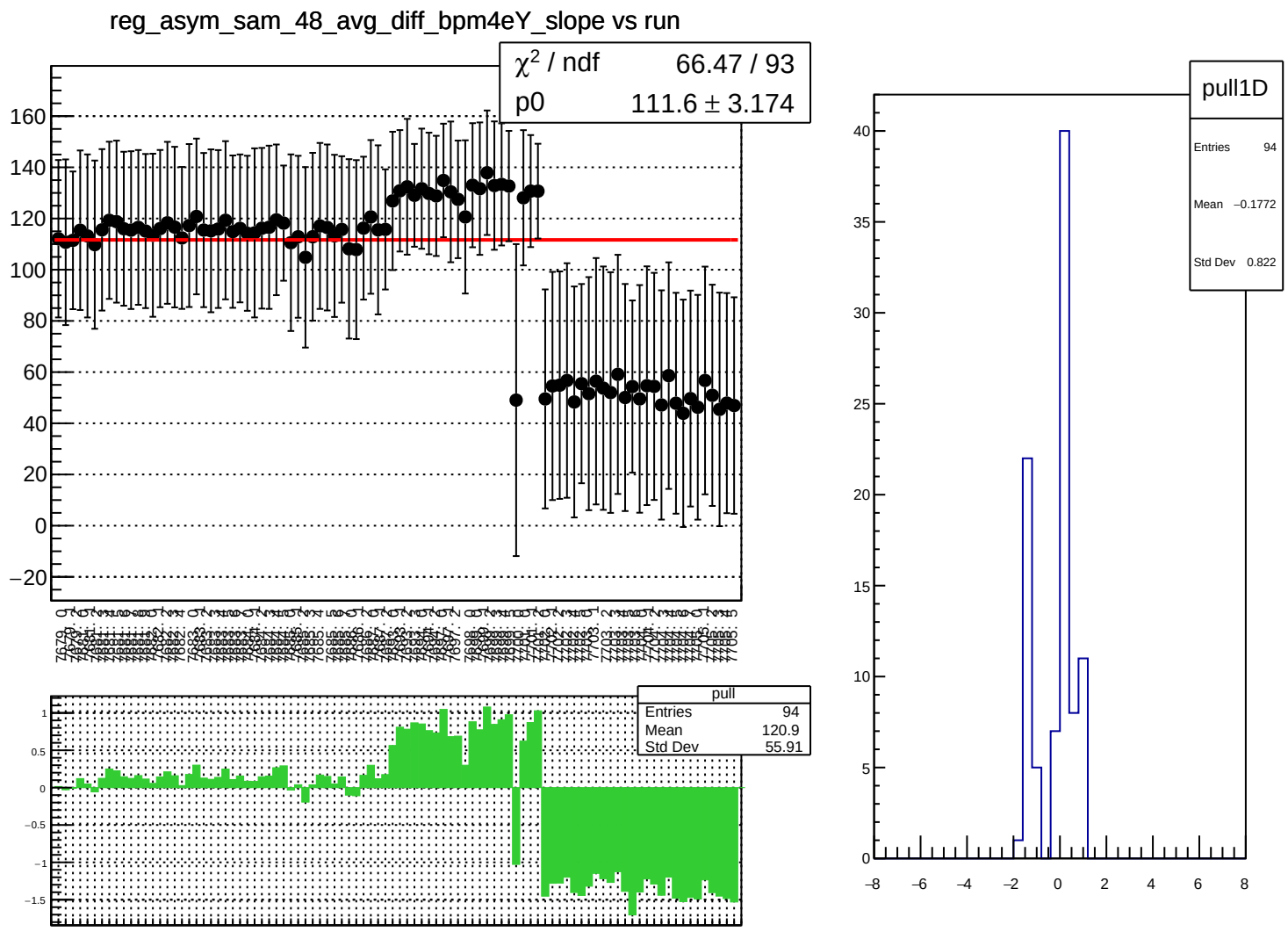

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 71.54 / 93
p0 13.79 ± 1.508
pull
Entries 94
Mean 104.1
Std Dev 41.8
pull1D
Entries 94
Mean −0.2977
Std Dev 0.82

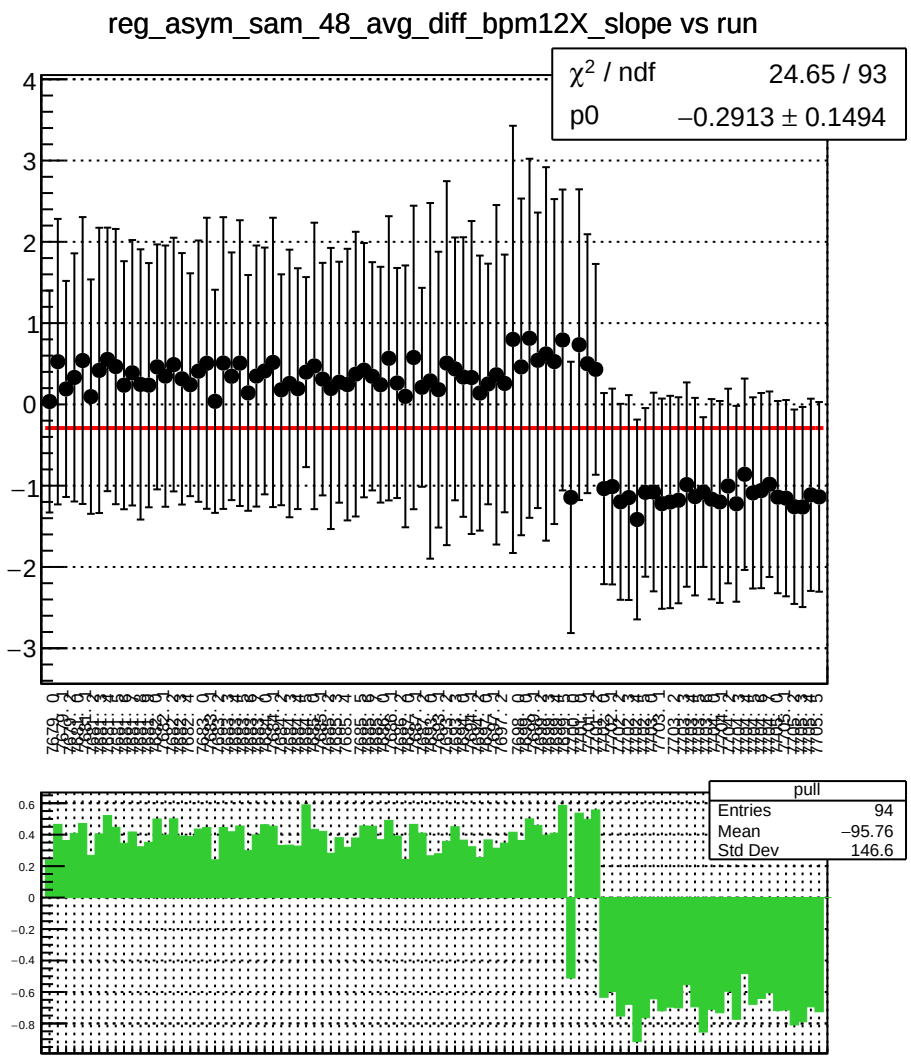

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.77 / 93
p0 −7.178 ± 2.16
120
100
80
60
40
20
0
−20
−40
pull
Entries 94
Mean 98.31
Std Dev 28.93
2
1.5
1
0.5
0
−0.5
−1

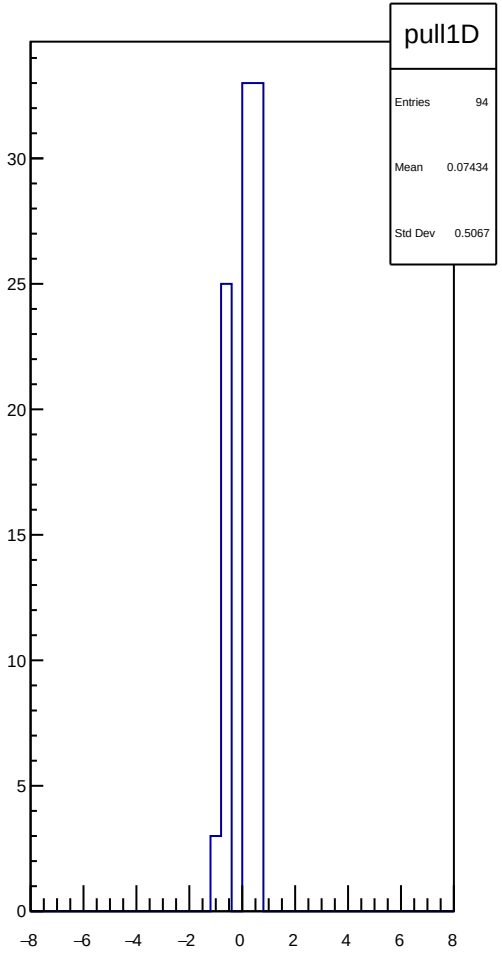

pull1D
Entries 94
Mean 0.2964
Std Dev 0.9312
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

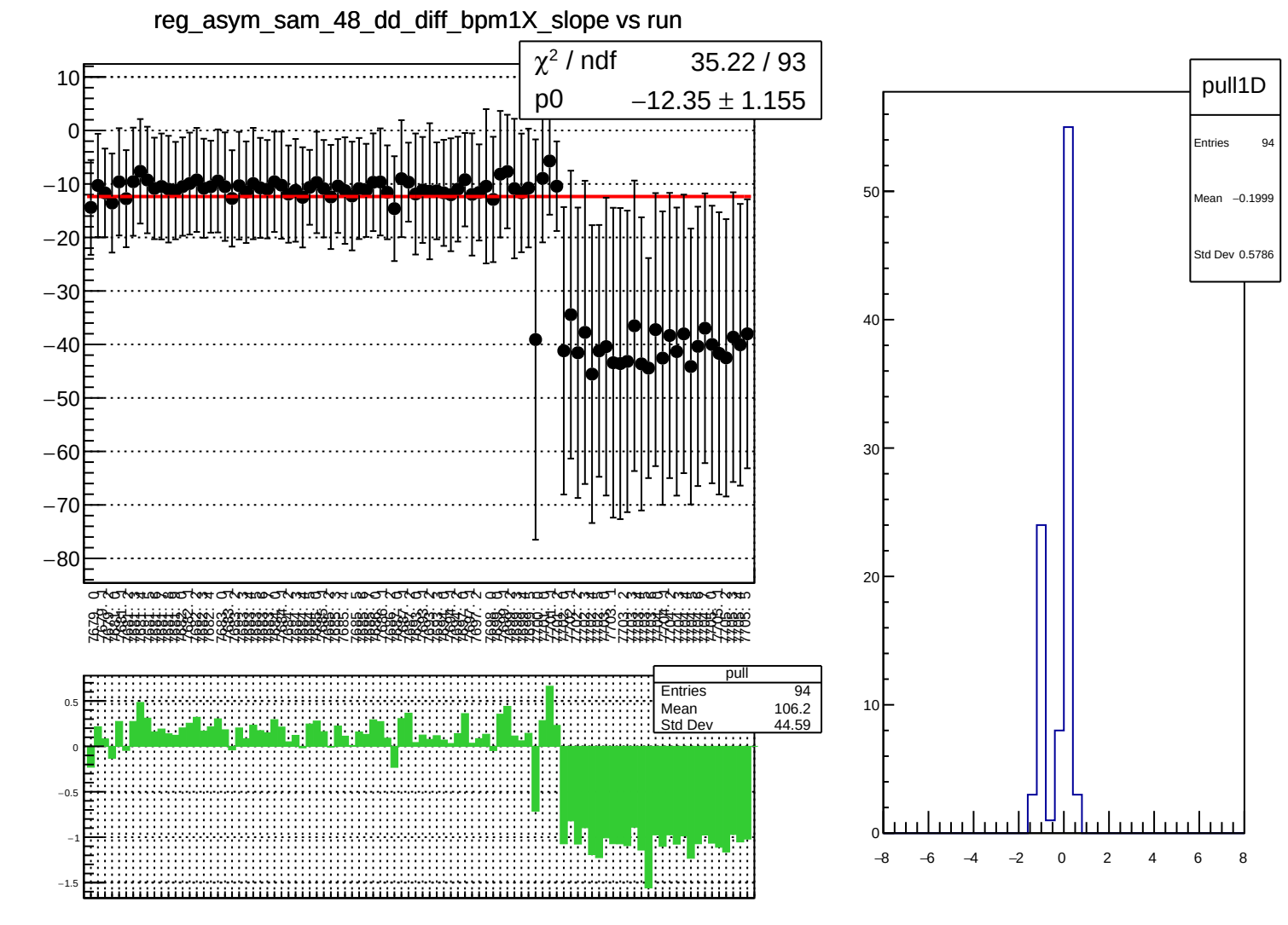

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.84 / 93
p0 −116.5 ± 1.218
pull
Entries 94
Mean 100.3
Std Dev 37.46

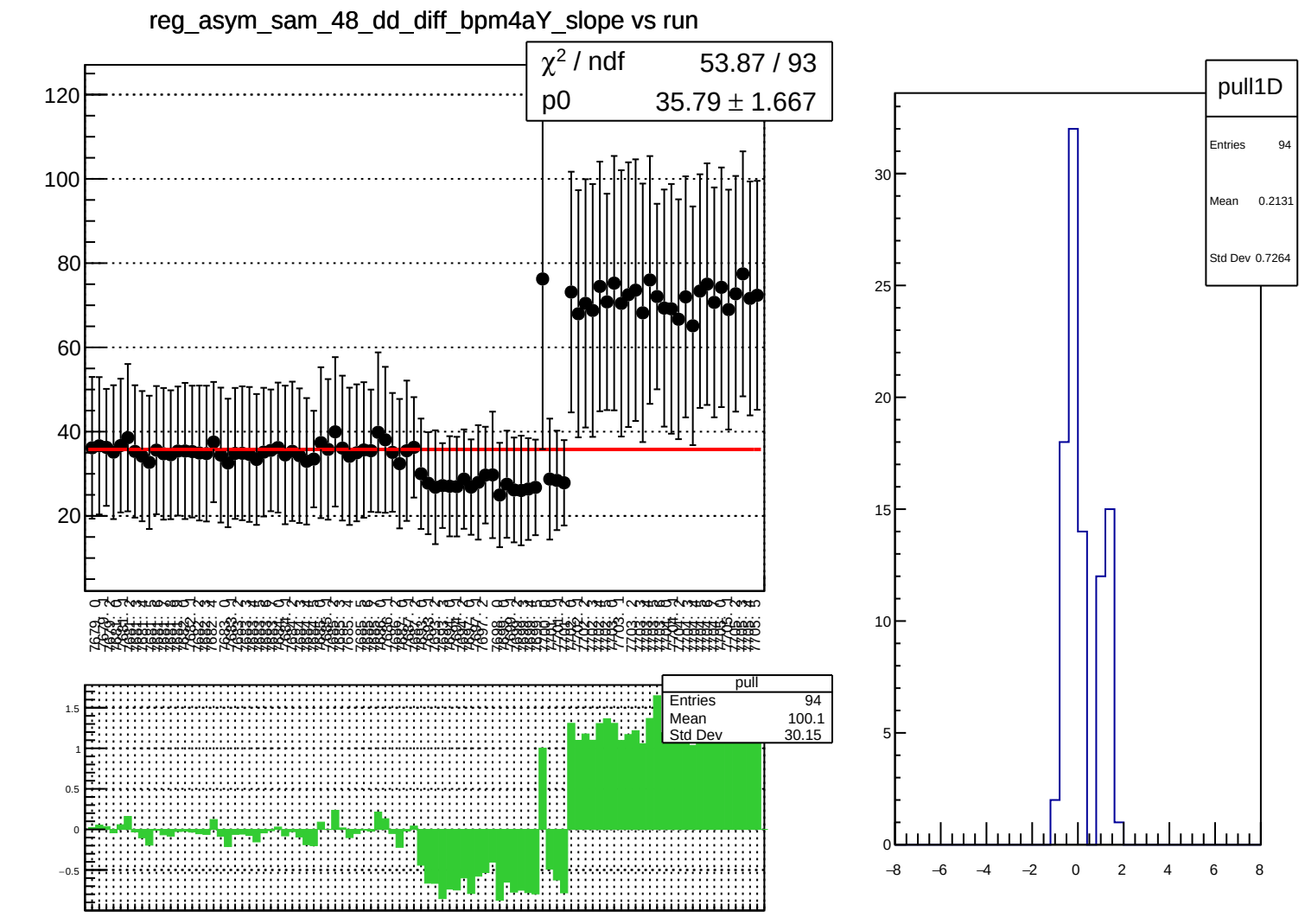

pull1D
Entries 94
Mean 0.3075
Std Dev 0.7784

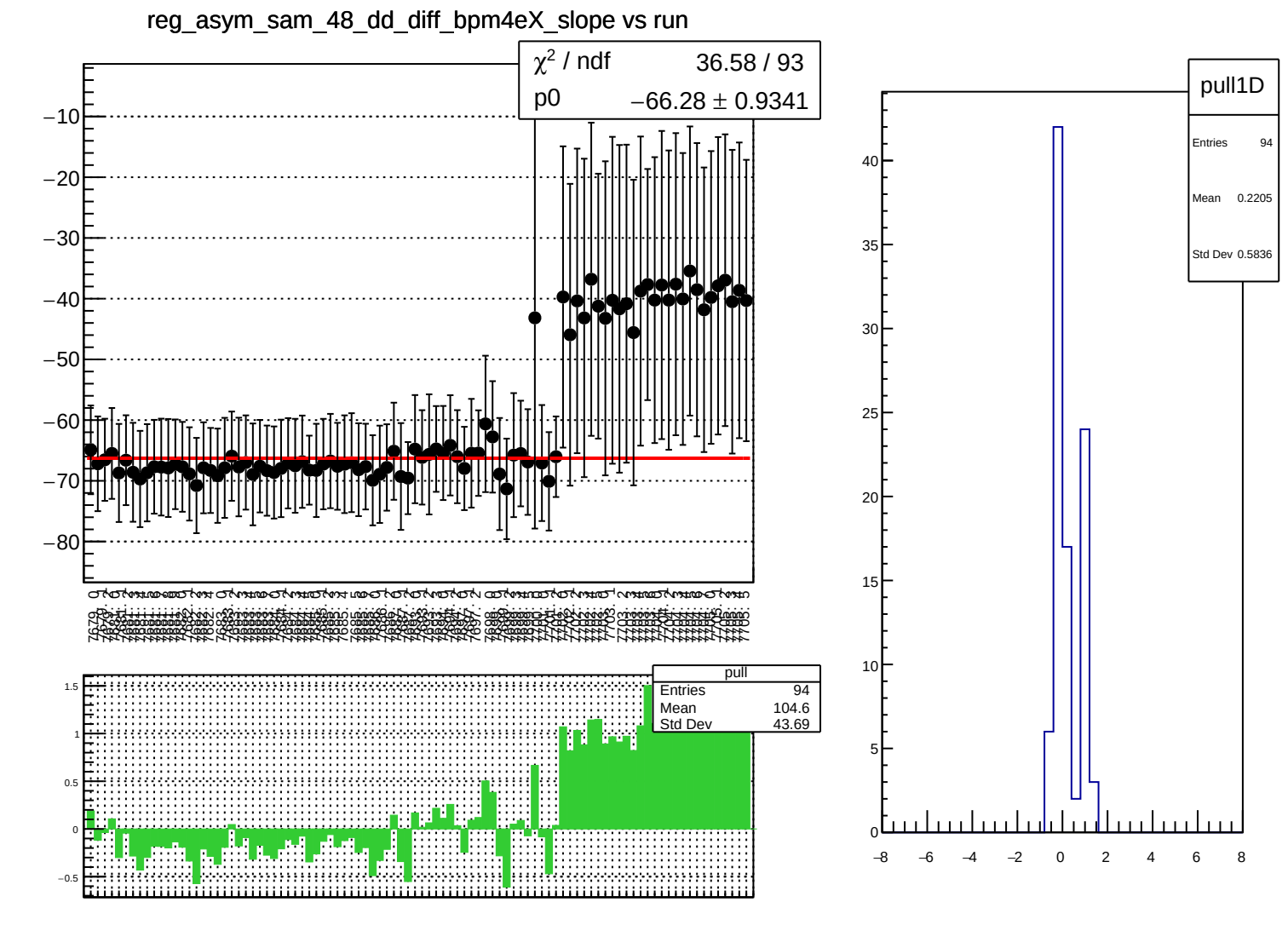

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.47 / 93
p0 111.6 ± 3.174
pull
Entries 94
Mean 120.9
Std Dev 55.91
pull1D
Entries 94
Mean −0.1772
Std Dev 0.822

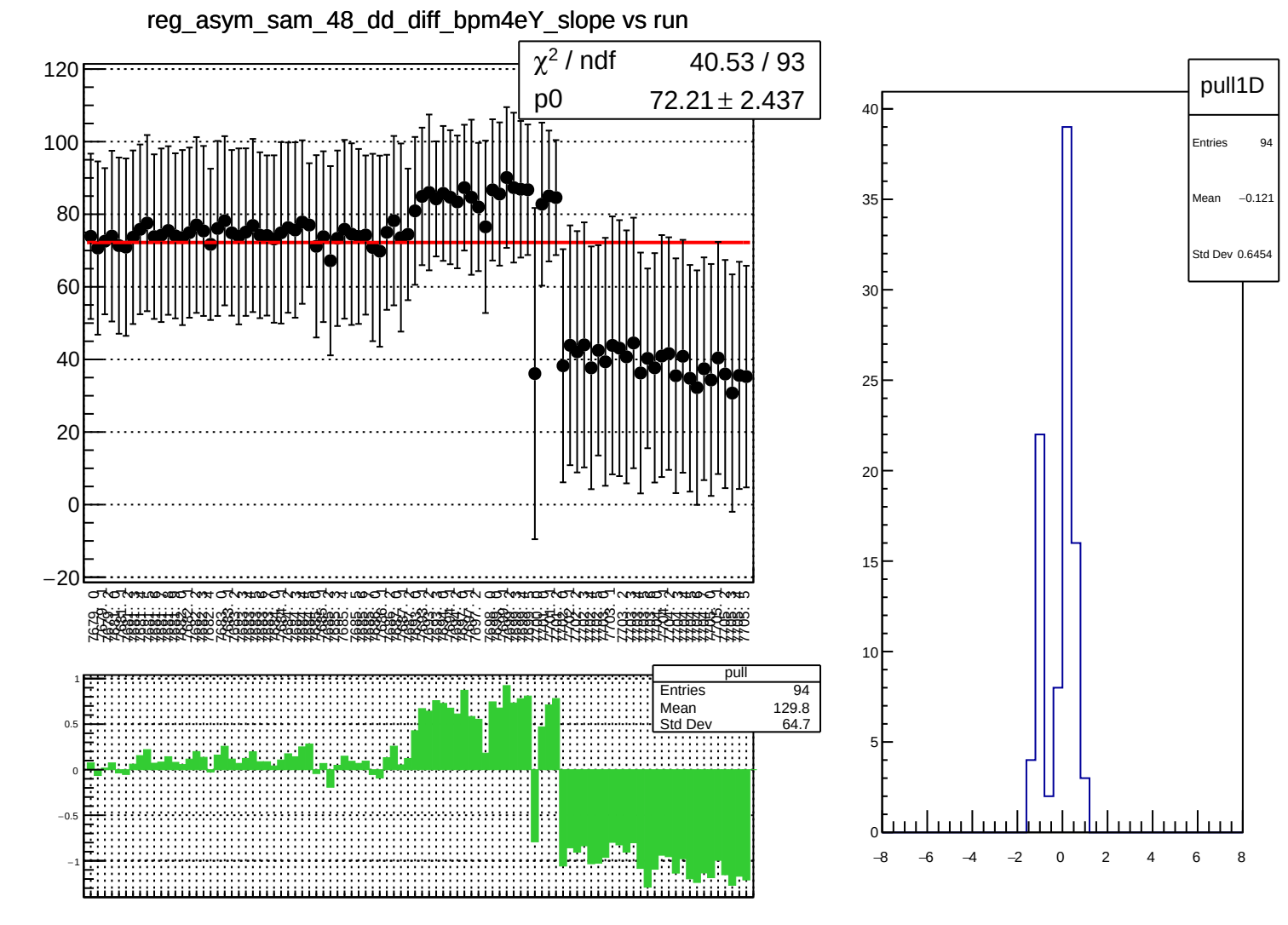

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 24.65 / 93
p0 −0.2913 ± 0.1494
pull
Entries 94
Mean −95.76
Std Dev 146.6

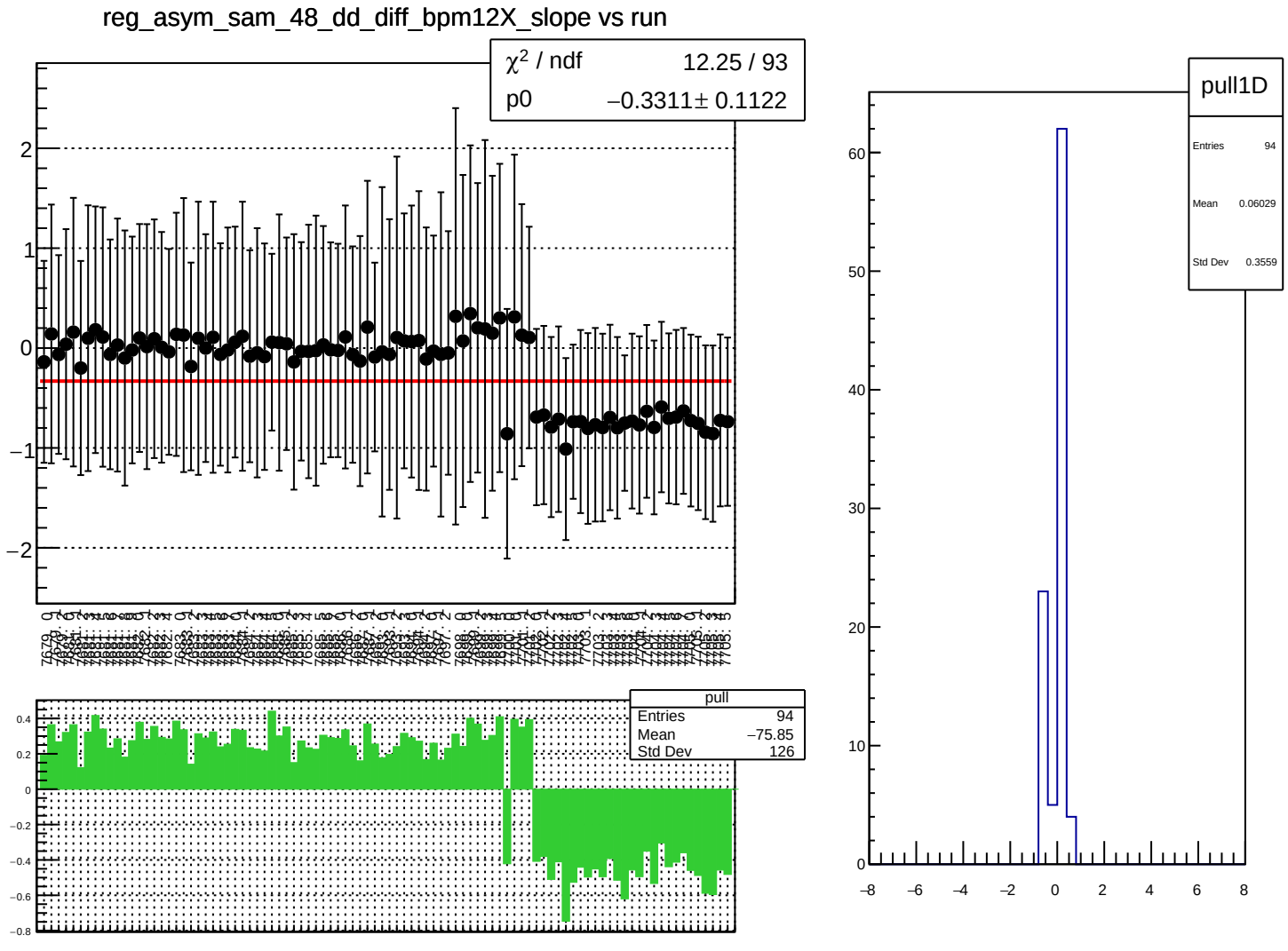

pull1D
Entries 94
Mean 0.07434
Std Dev 0.5067

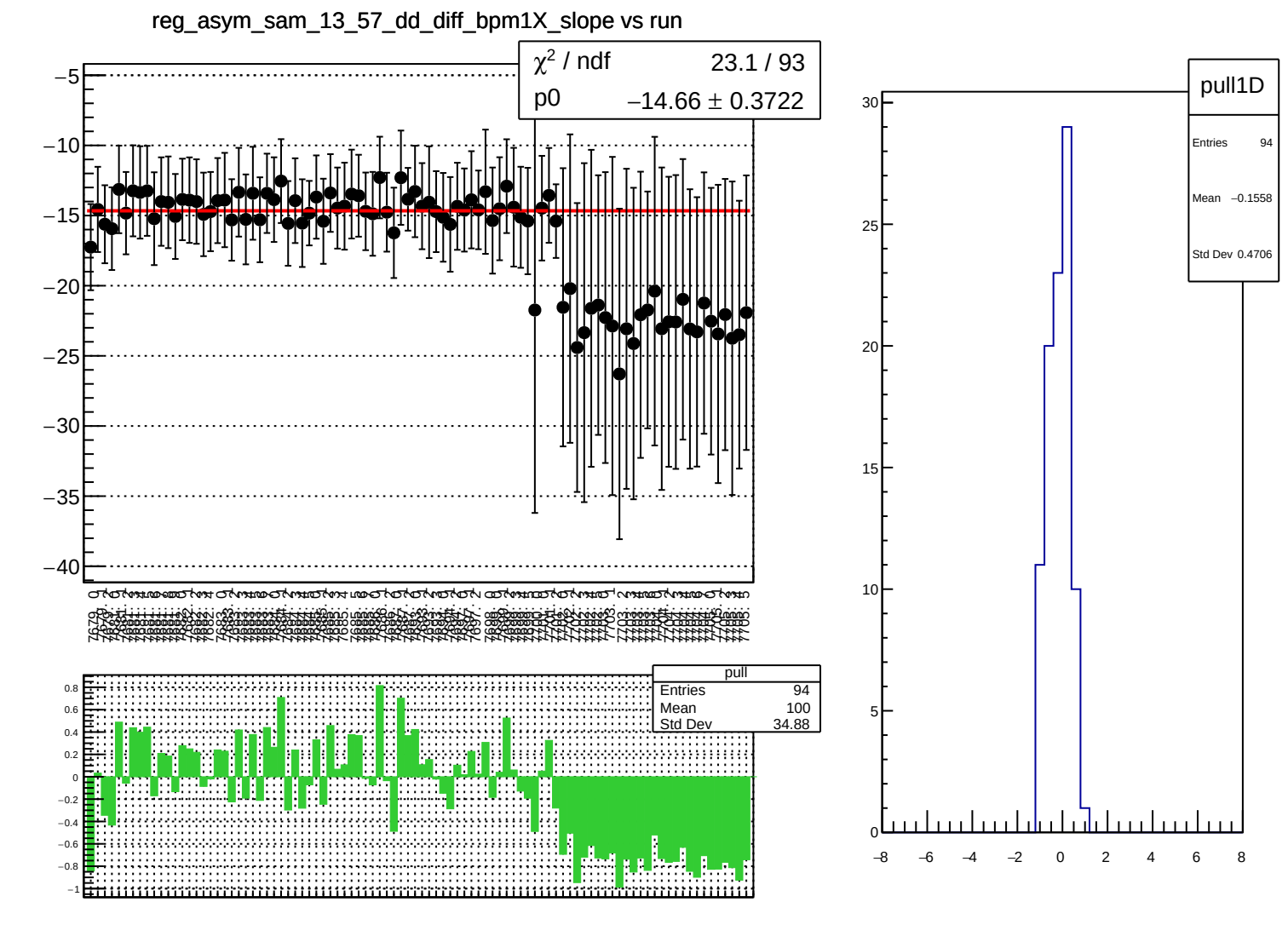

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 35.22 / 93
p0 −12.35 ± 1.155
pull
Entries 94
Mean 106.2
Std Dev 44.59
pull1D
Entries 94
Mean −0.1999
Std Dev 0.5786

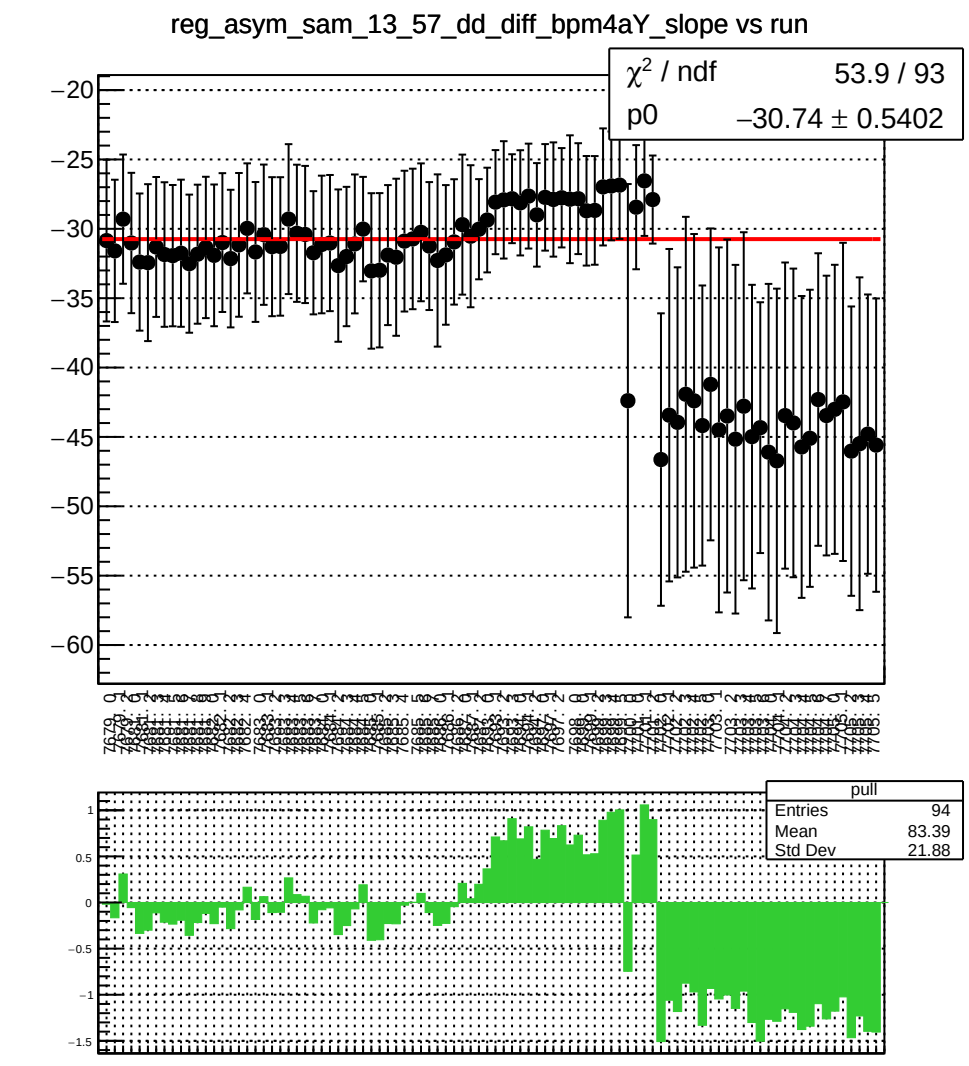

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.87 / 93
p0 35.79 ± 1.667
120
100
80
60
40
20
pull
Entries 94
Mean 100.1
Std Dev 30.15
1.5
1
0.5
0
−0.5
pull1D
Entries 94
Mean 0.2131
Std Dev 0.7264
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

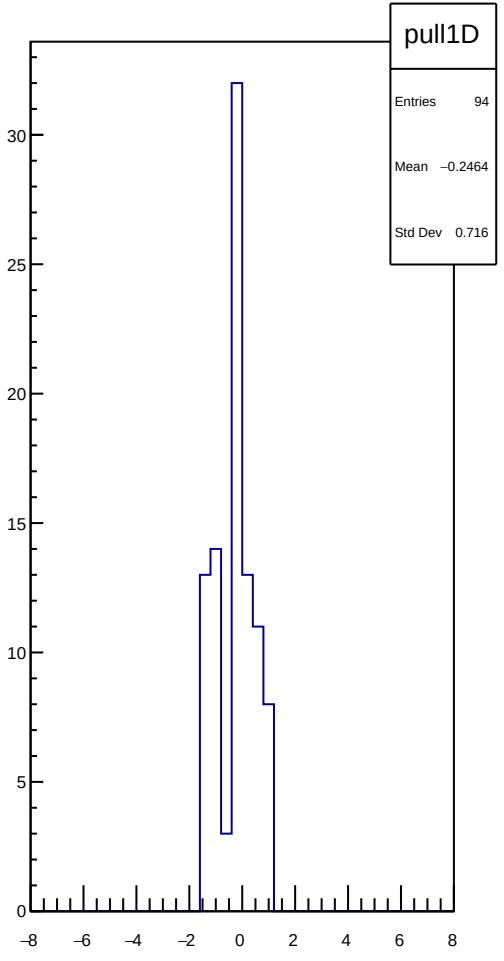

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.58 / 93
p0 −66.28 ± 0.9341
pull
Entries 94
Mean 104.6
Std Dev 43.69
pull1D
Entries 94
Mean 0.2205
Std Dev 0.5836

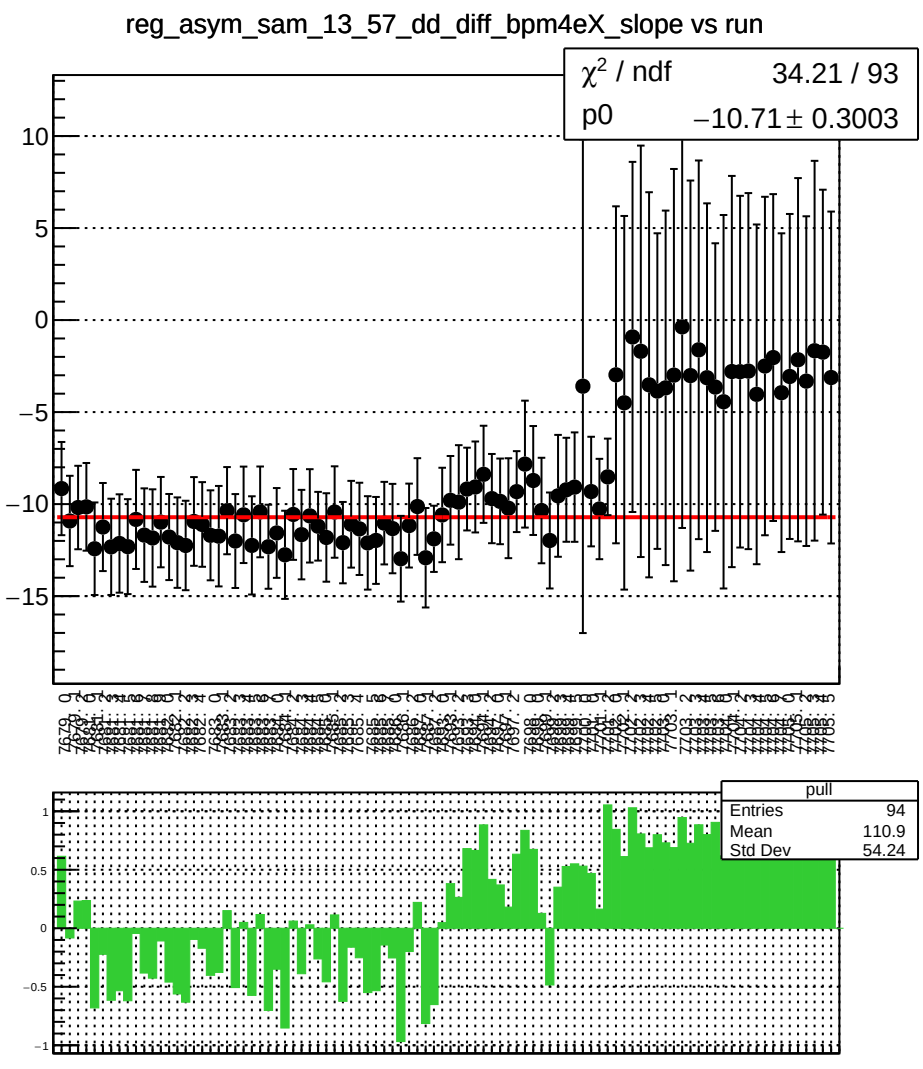

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.53 / 93
p0 72.21 ± 2.437
pull
Entries 94
Mean 129.8
Std Dev 64.7
pull1D
Entries 94
Mean −0.121
Std Dev 0.6454

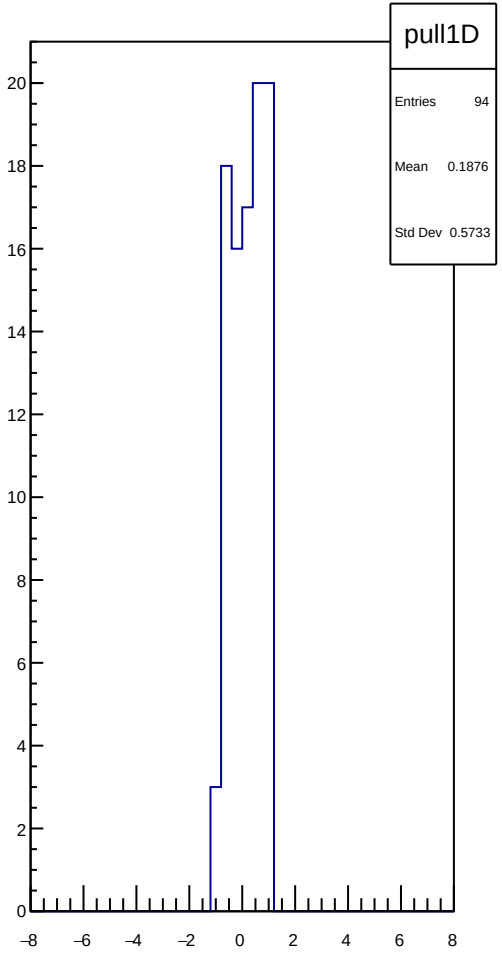

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.25 / 93
p0 −0.3311± 0.1122
pull
Entries 94
Mean −75.85
Std Dev 126
pull1D
Entries 94
Mean 0.06029
Std Dev 0.3559

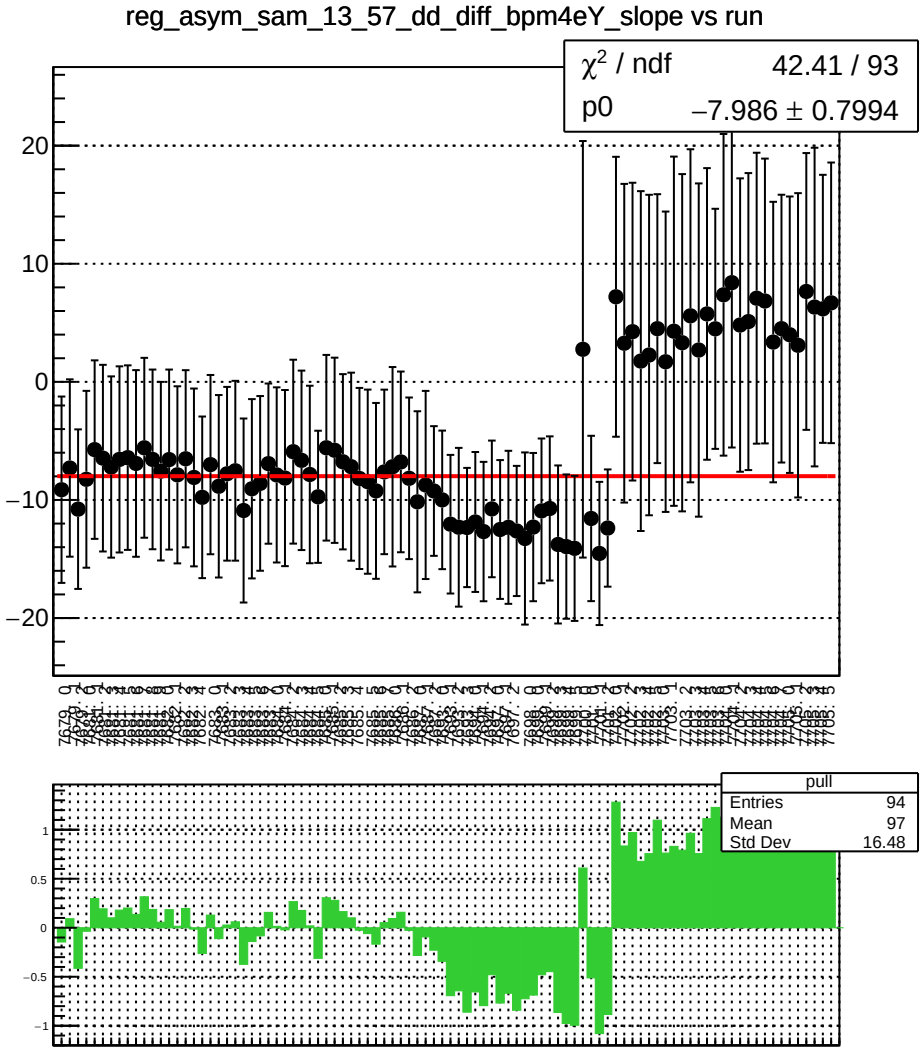

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 23.1 / 93
p0 −14.66 ± 0.3722
pull
Entries 94
Mean 100
Std Dev 34.88
pull1D
Entries 94
Mean −0.1558
Std Dev 0.4706

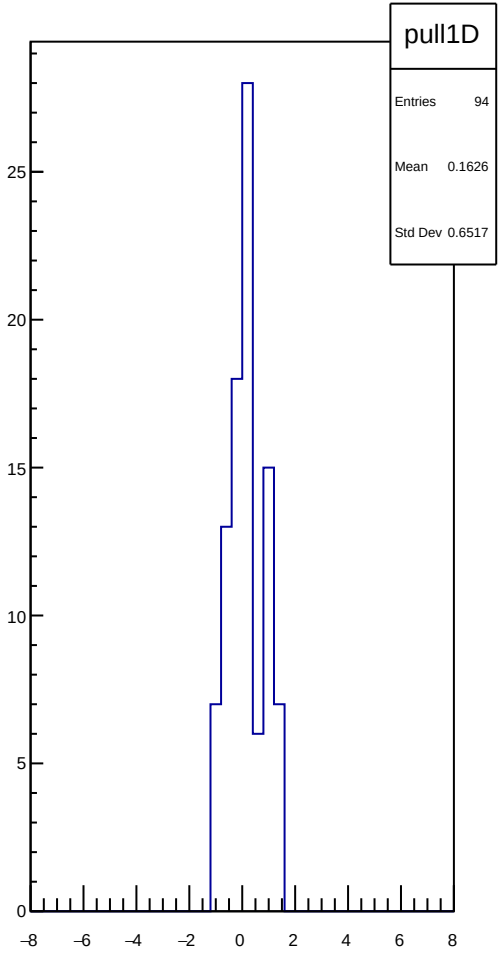

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.9 / 93
p0 −30.74 ± 0.5402
pull
Entries 94
Mean 83.39
Std Dev 21.88

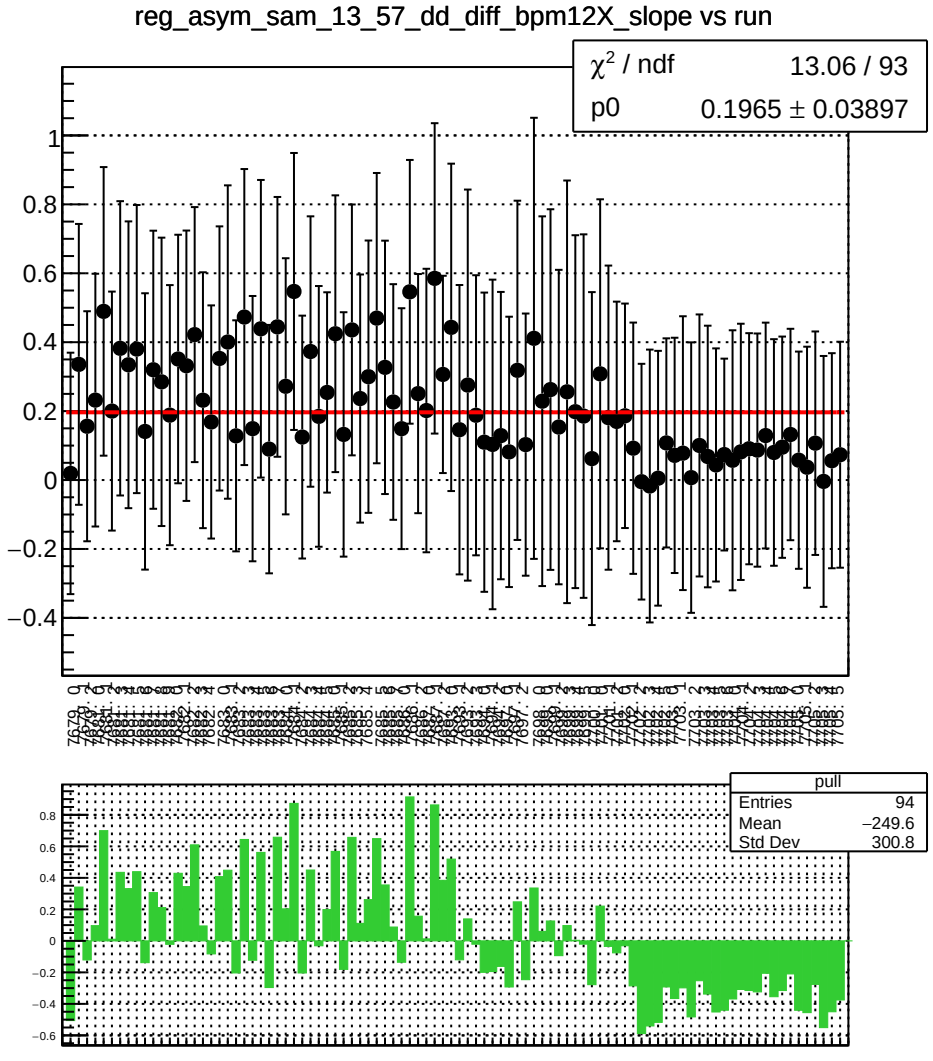

pull1D
Entries 94
Mean −0.2464
Std Dev 0.716

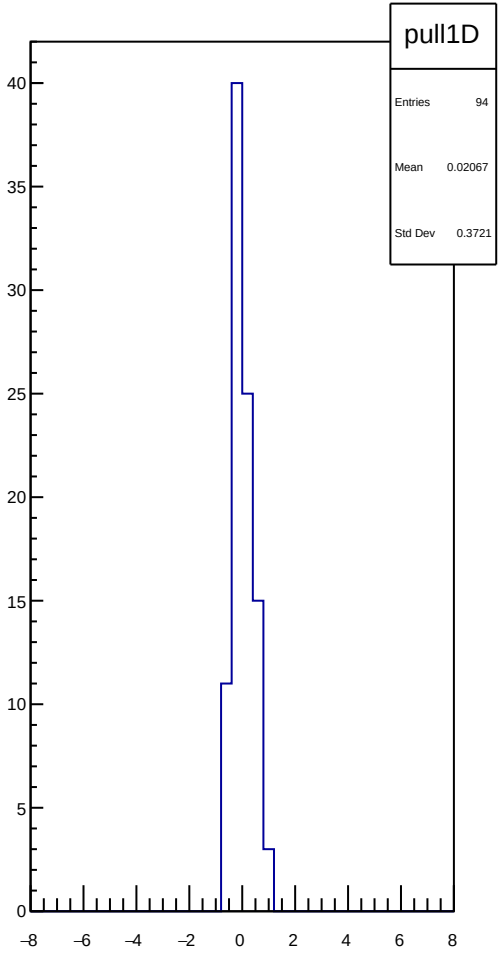

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.21 / 93
p0 −10.71 ± 0.3003
pull
Entries 94
Mean 110.9
Std Dev 54.24

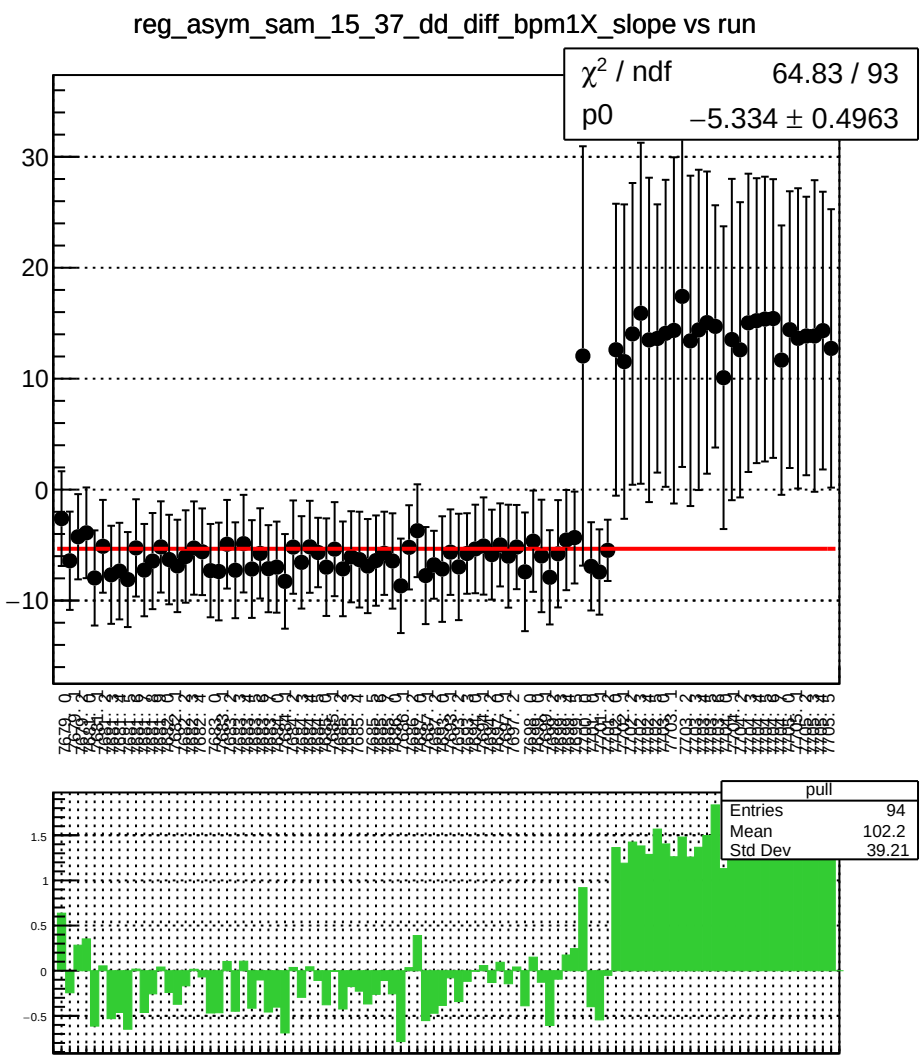

pull1D
Entries 94
Mean 0.1876
Std Dev 0.5733

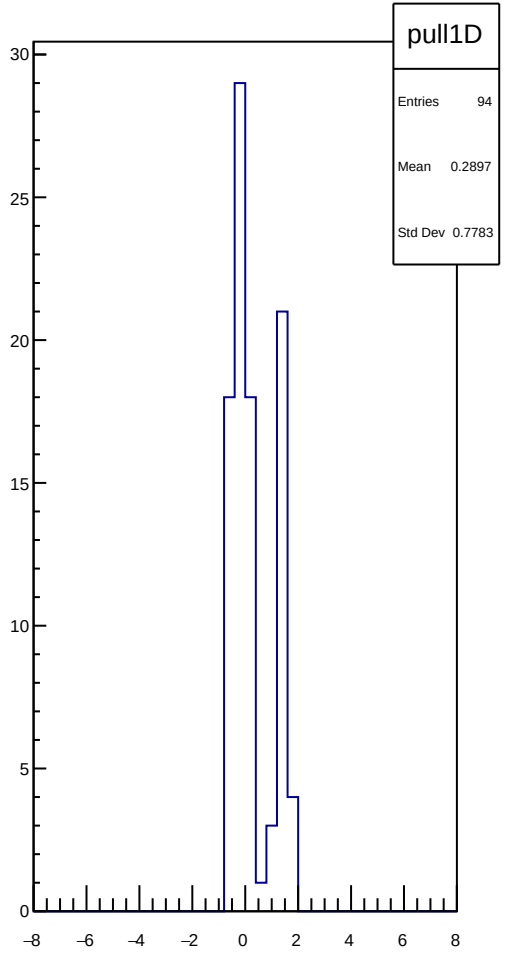

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.41 / 93
p0 −7.986 ± 0.7994
pull
Entries 94
Mean 97
Std Dev 16.48

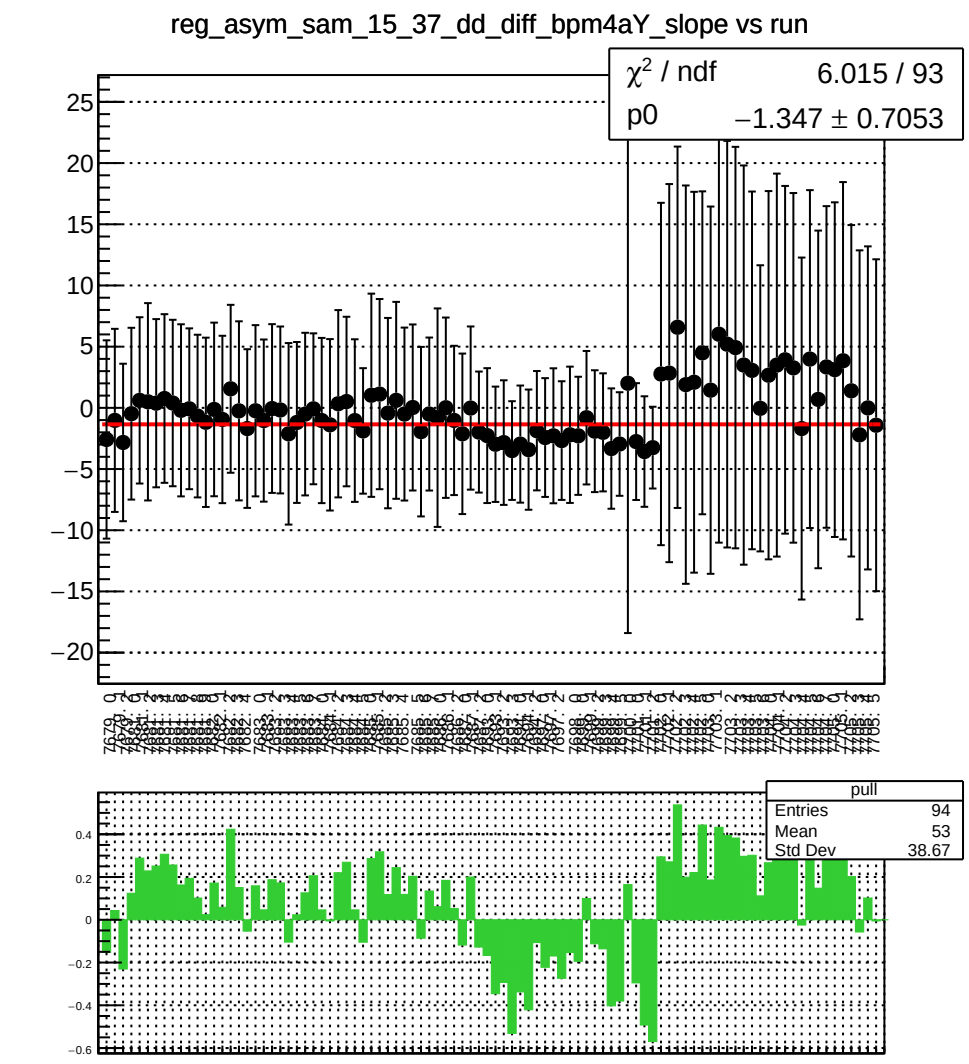

pull1D
Entries 94
Mean 0.1626
Std Dev 0.6517

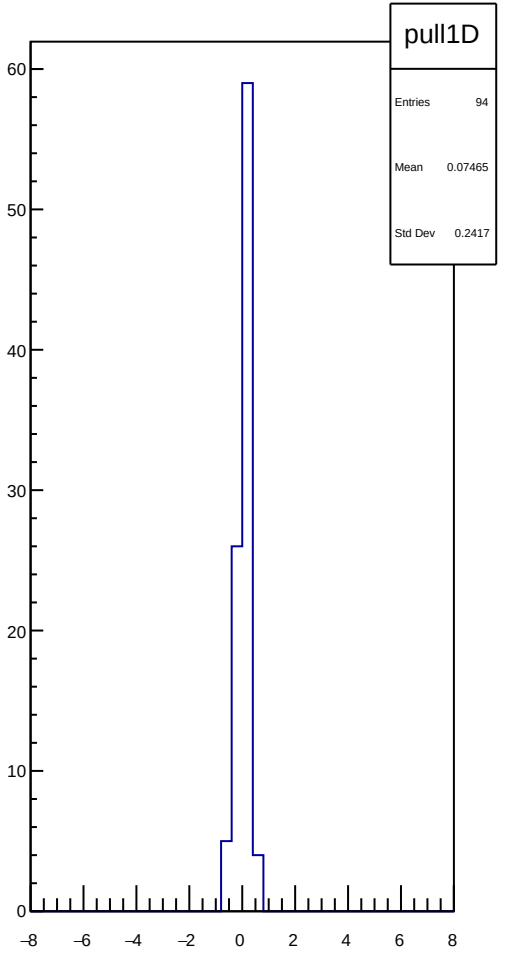

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 13.06 / 93
p0 0.1965 ± 0.03897
pull
Entries 94
Mean −249.6
Std Dev 300.8

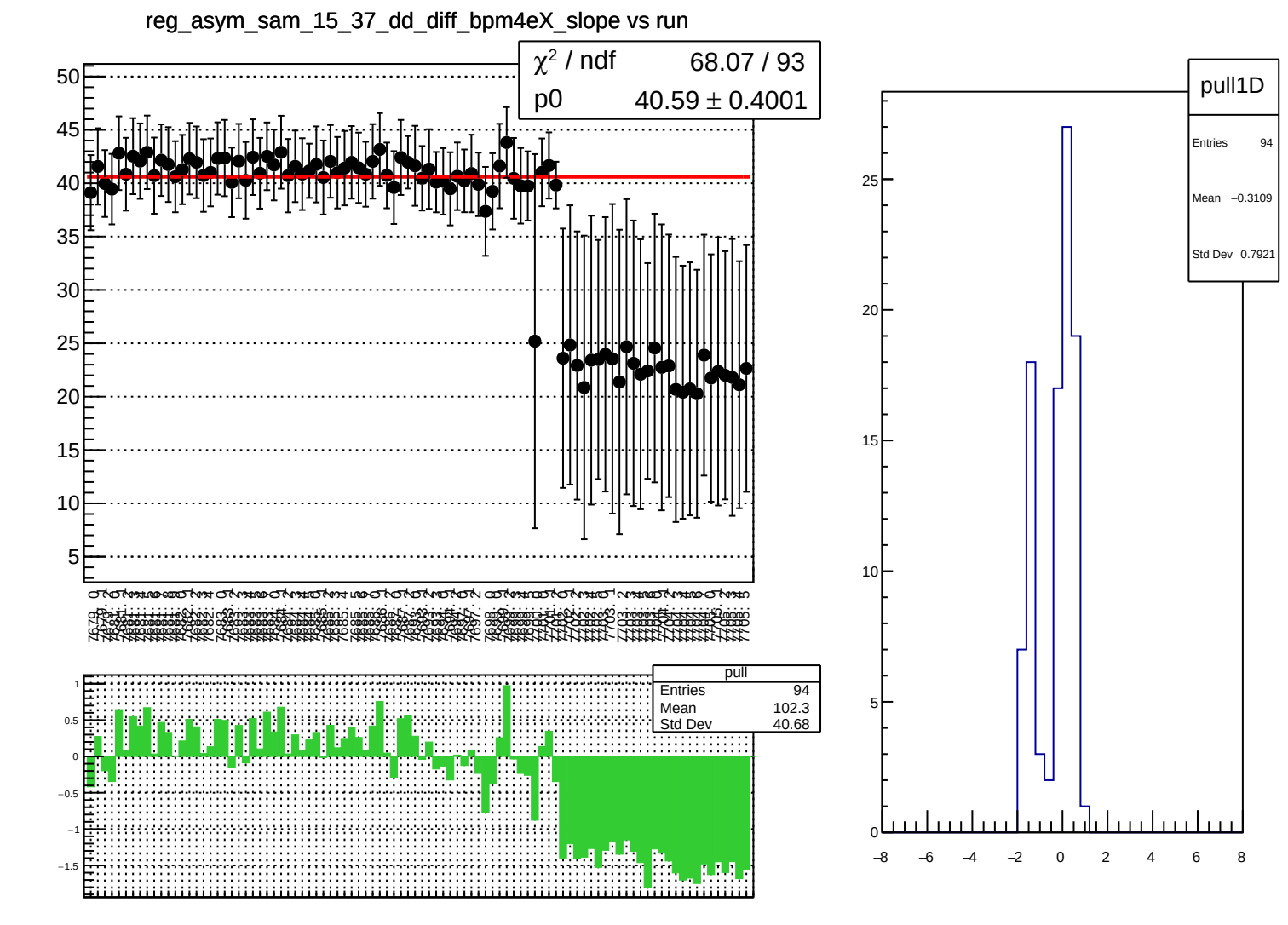

pull1D
Entries 94
Mean 0.02067
Std Dev 0.3721

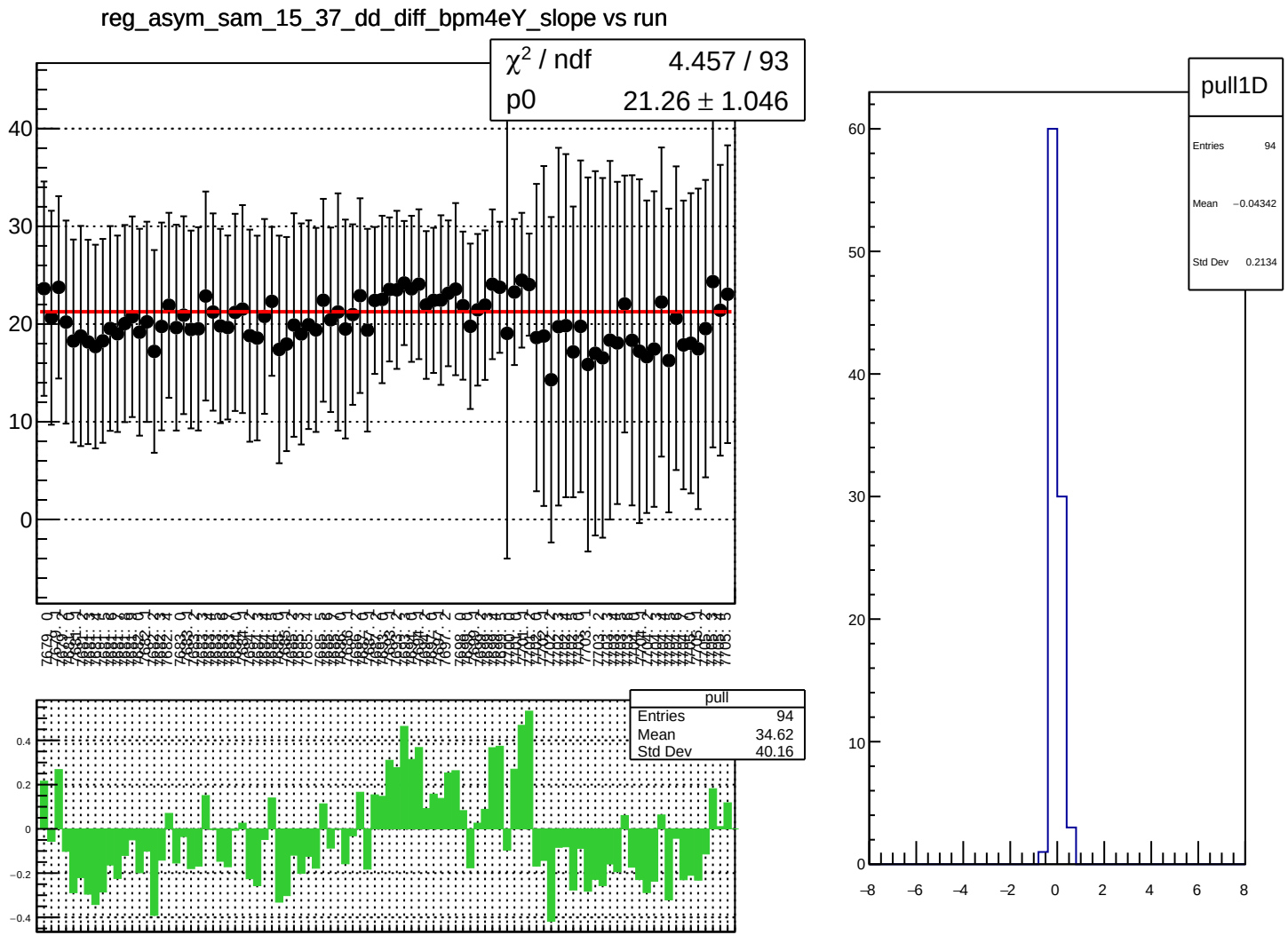

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 64.83 / 93
p0 −5.334 ± 0.4963
30
20
10
0
−10
pull
Entries 94
Mean 102.2
Std Dev 39.21
1.5
1
0.5
0
−0.5

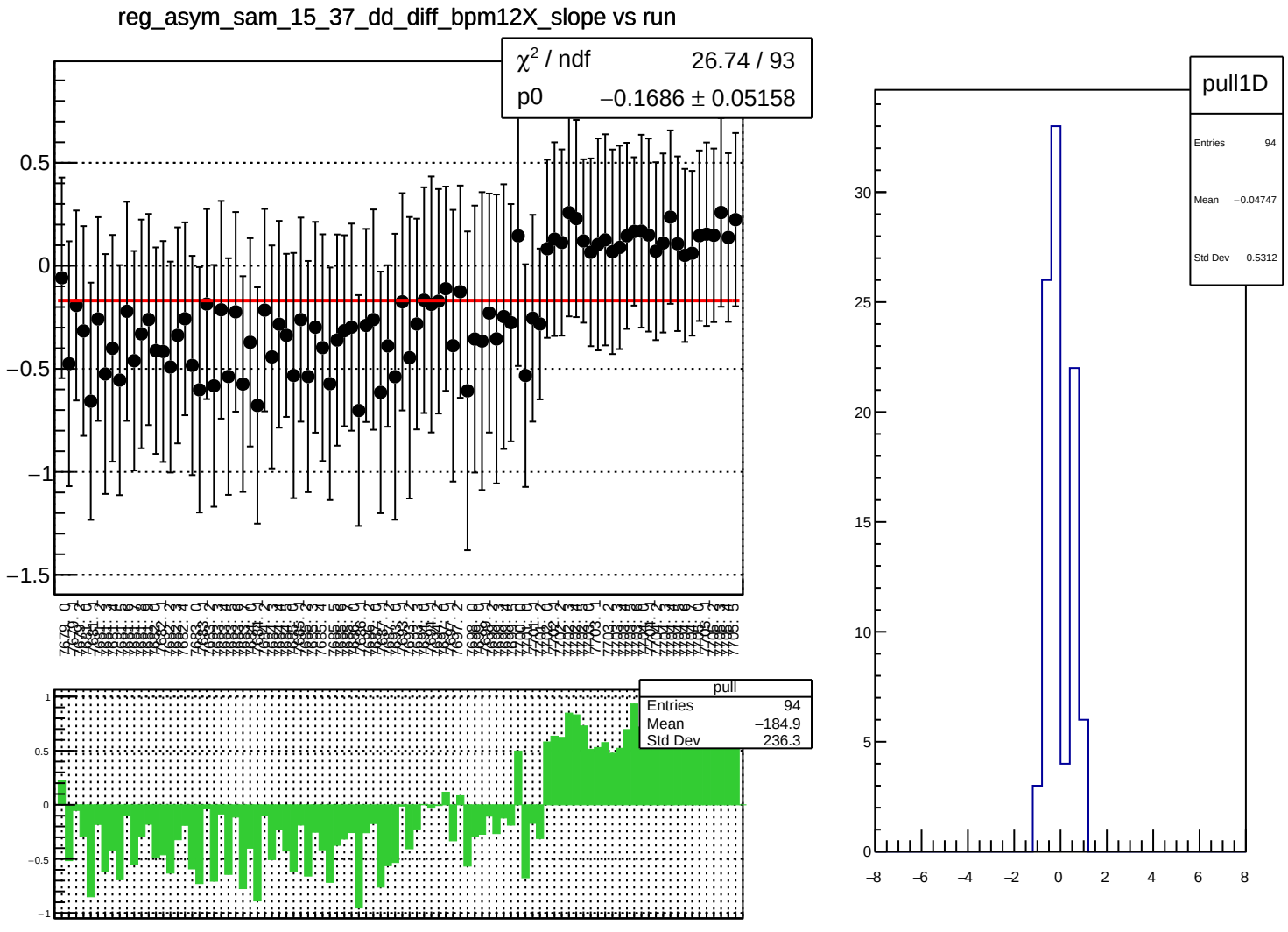

pull1D
Entries 94
Mean 0.2897
Std Dev 0.7783
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

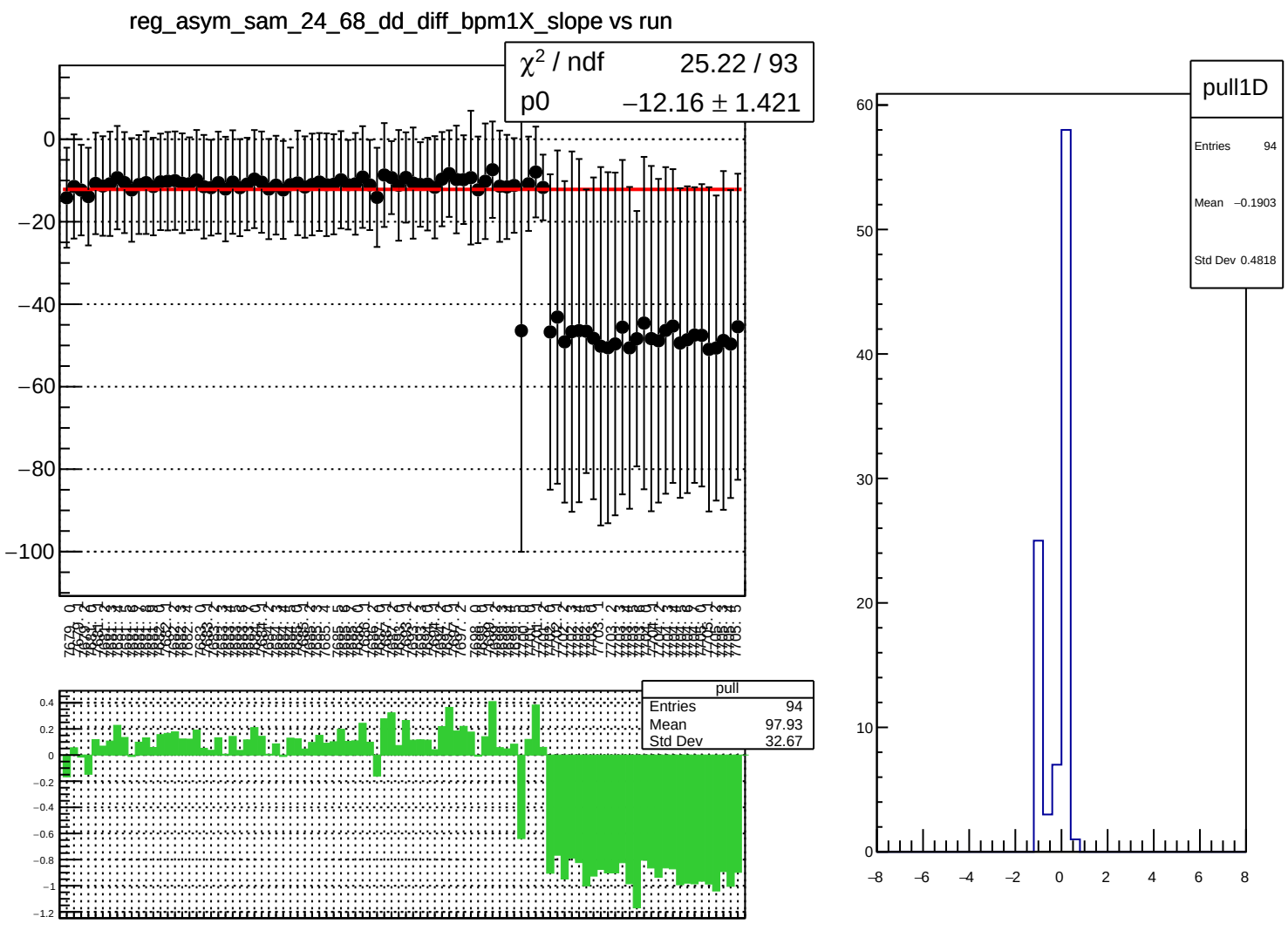

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.015 / 93
p0 −1.347 ± 0.7053
pull
Entries 94
Mean 53
Std Dev 38.67

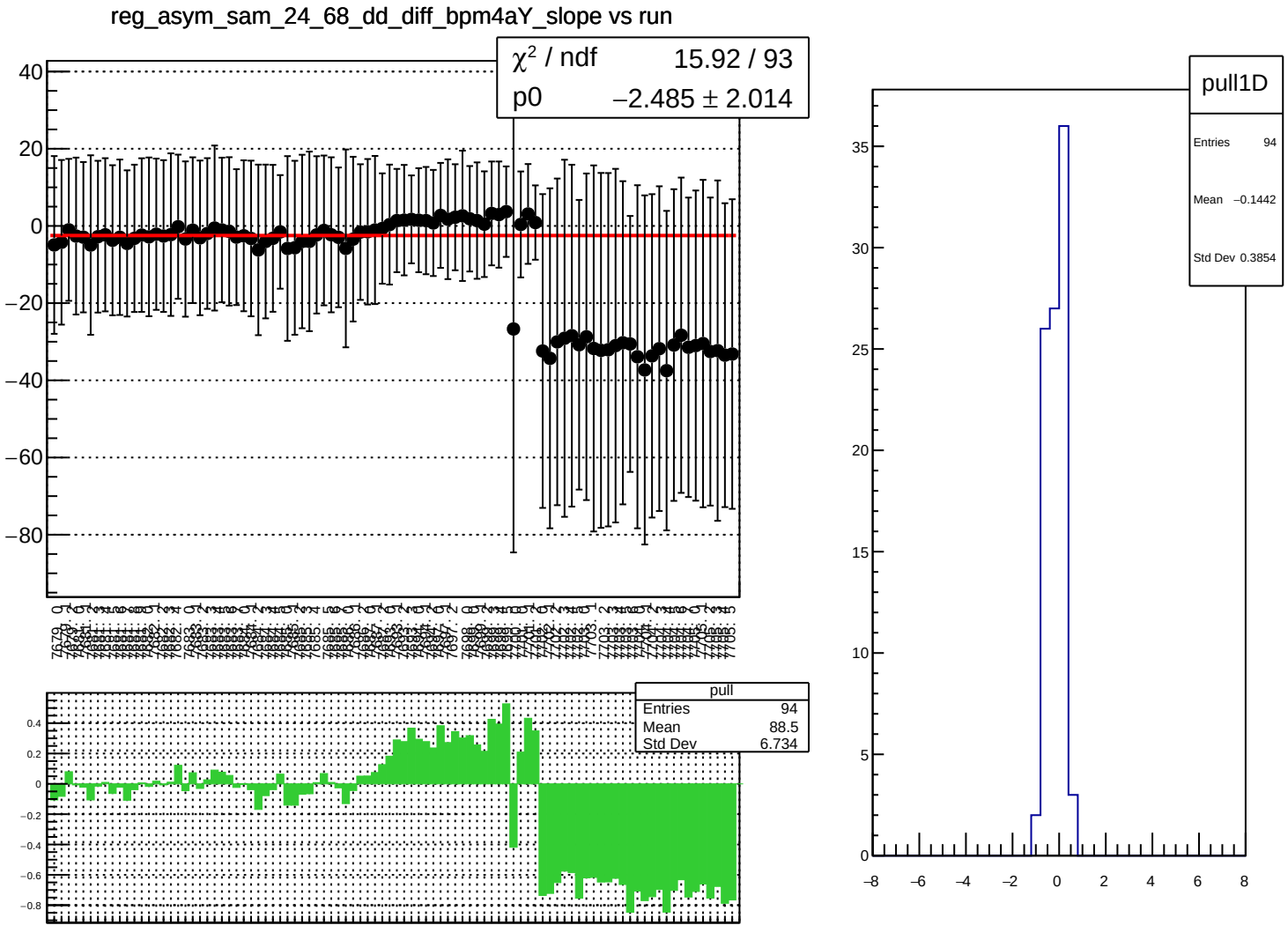

pull1D
Entries 94
Mean 0.07465
Std Dev 0.2417

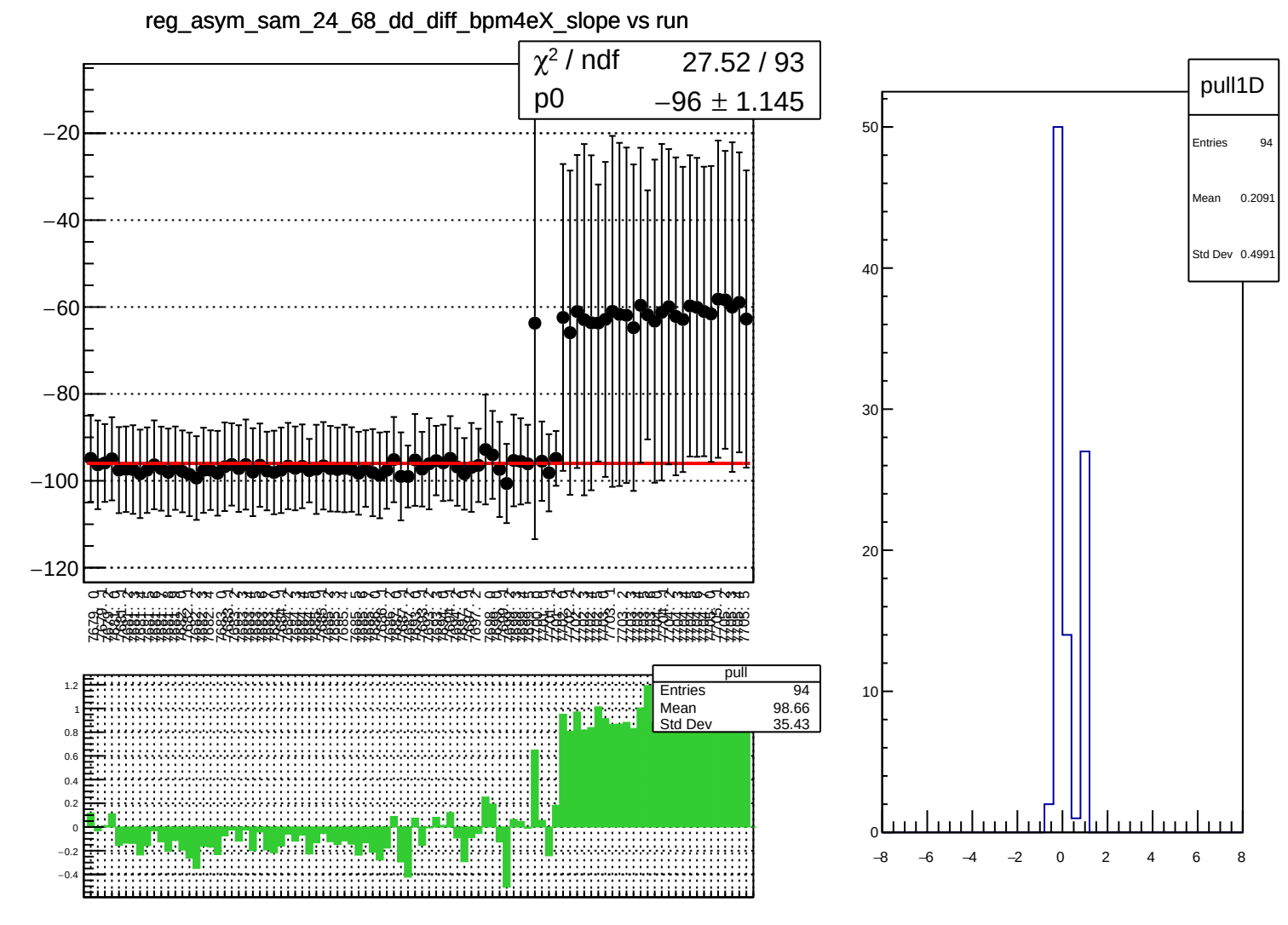

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.07 / 93
p0 40.59 ± 0.4001
pull
Entries 94
Mean 102.3
Std Dev 40.68
pull1D
Entries 94
Mean −0.3109
Std Dev 0.7921

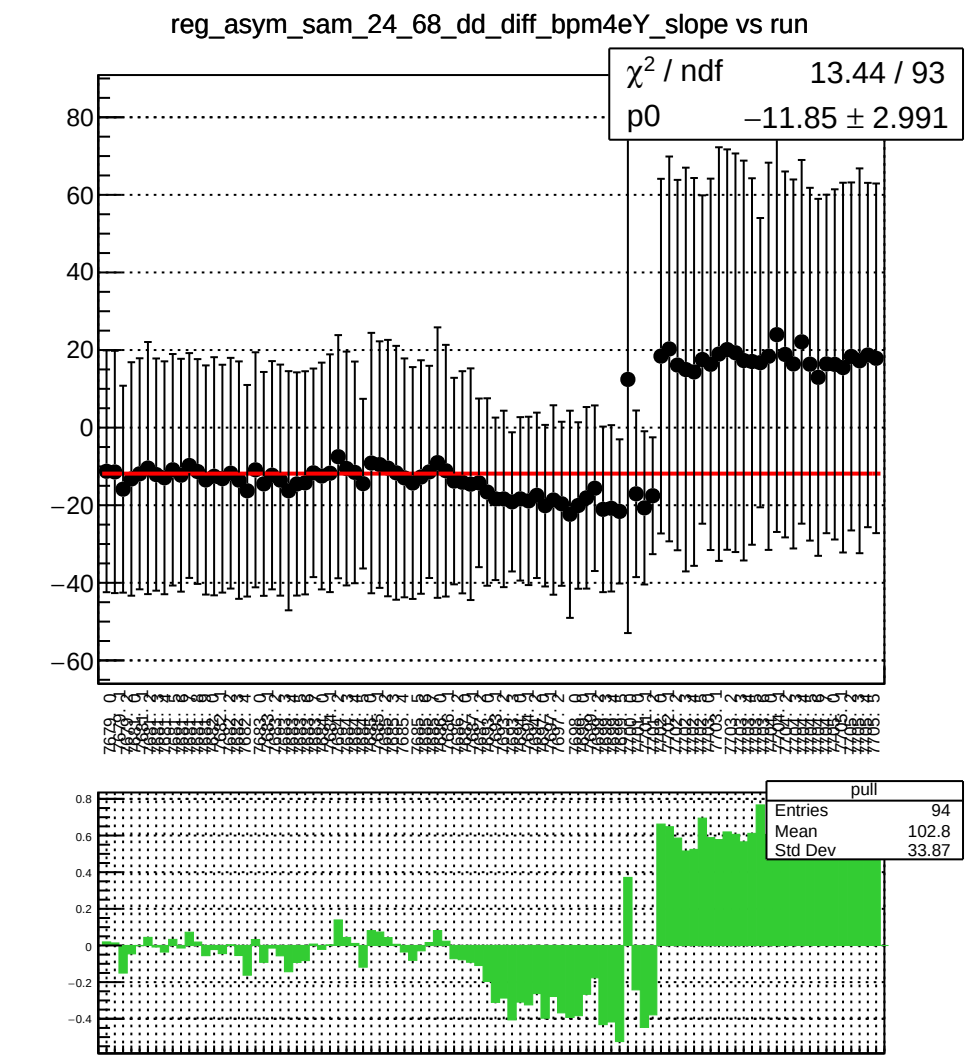

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.457 / 93
p0 21.26 ± 1.046
pull
Entries 94
Mean 34.62
Std Dev 40.16
pull1D
Entries 94
Mean −0.04342
Std Dev 0.2134

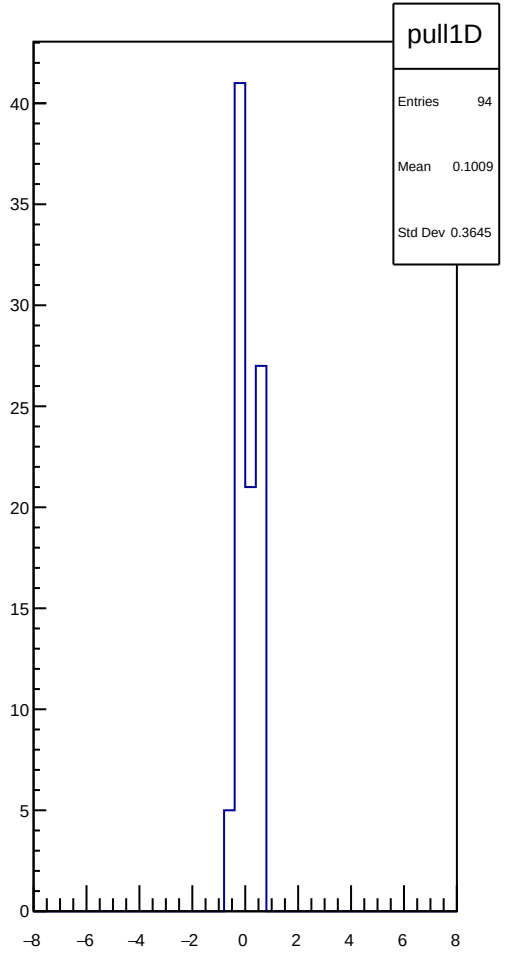

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 26.74 / 93
p0 −0.1686 ± 0.05158
pull
Entries 94
Mean −184.9
Std Dev 236.3
pull1D
Entries 94
Mean −0.04747
Std Dev 0.5312

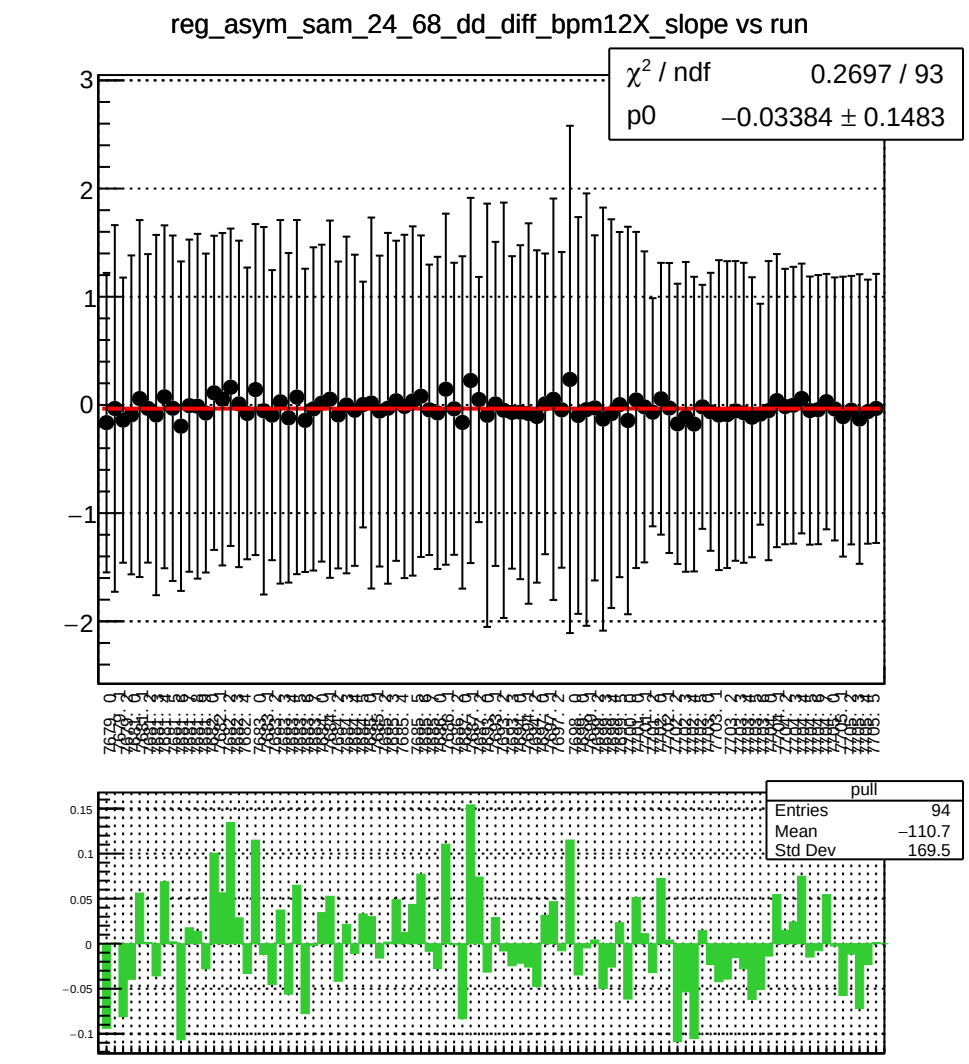

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 25.22 / 93
p0 −12.16 ± 1.421
pull
Entries 94
Mean 97.93
Std Dev 32.67
pull1D
Entries 94
Mean −0.1903
Std Dev 0.4818

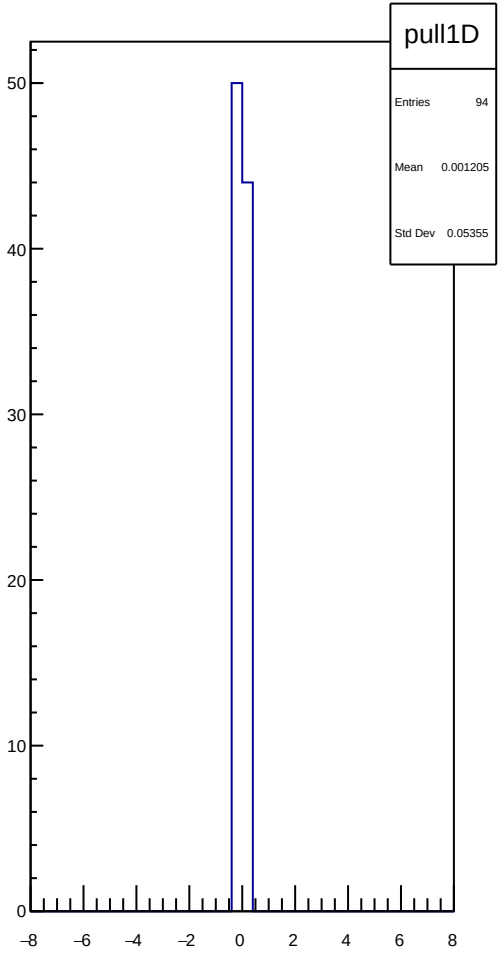

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.92 / 93
p0 −2.485 ± 2.014
pull
Entries 94
Mean 88.5
Std Dev 6.734
pull1D
Entries 94
Mean −0.1442
Std Dev 0.3854

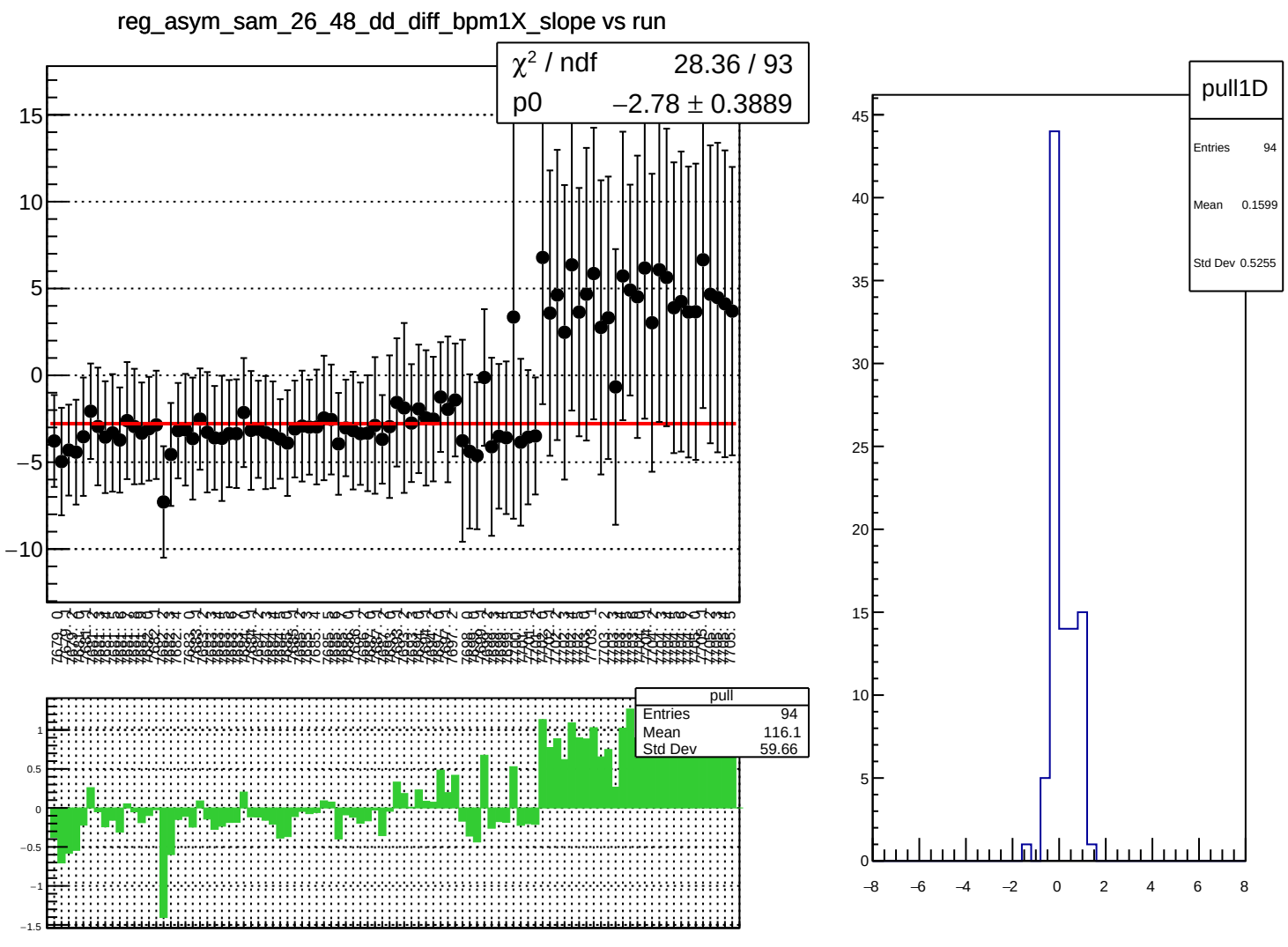

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.52 / 93
p0 −96 ± 1.145
−20
−40
−60
−80
−100
−120
pull
Entries 94
Mean 98.66
Std Dev 35.43
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 94
Mean 0.2091
Std Dev 0.4991
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

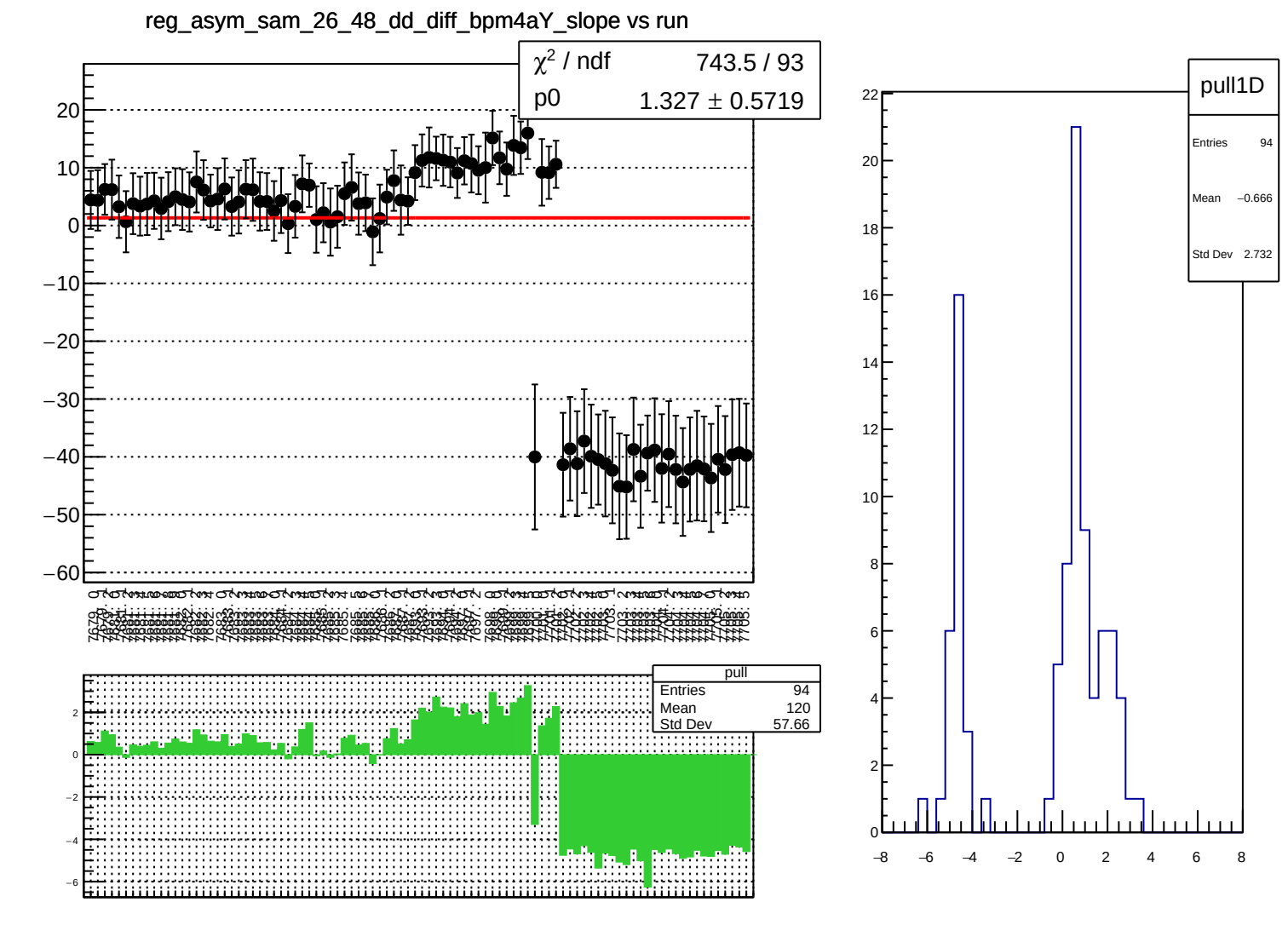

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.44 / 93
p0 −11.85 ± 2.991
pull
Entries 94
Mean 102.8
Std Dev 33.87

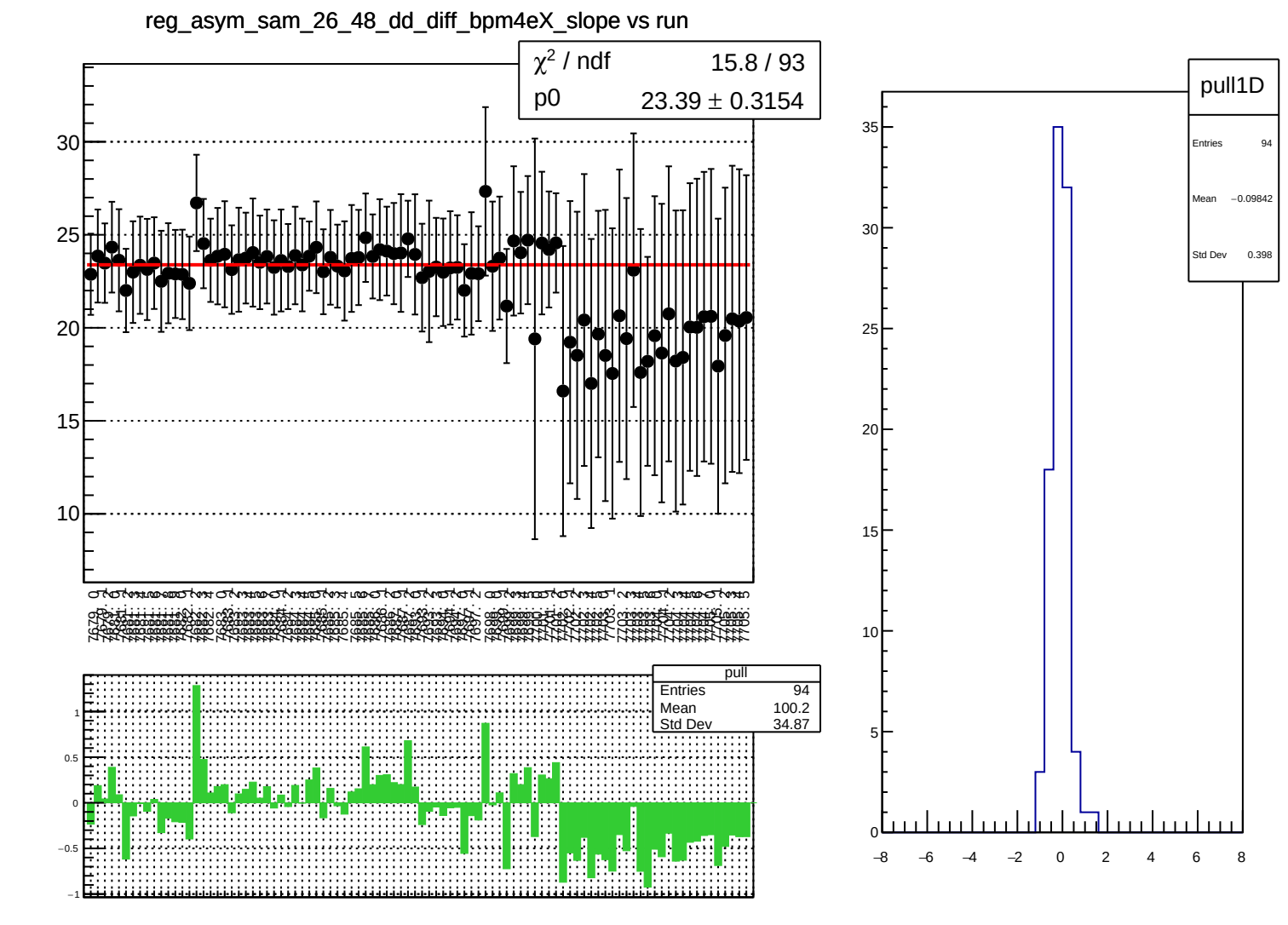

pull1D
Entries 94
Mean 0.1009
Std Dev 0.3645

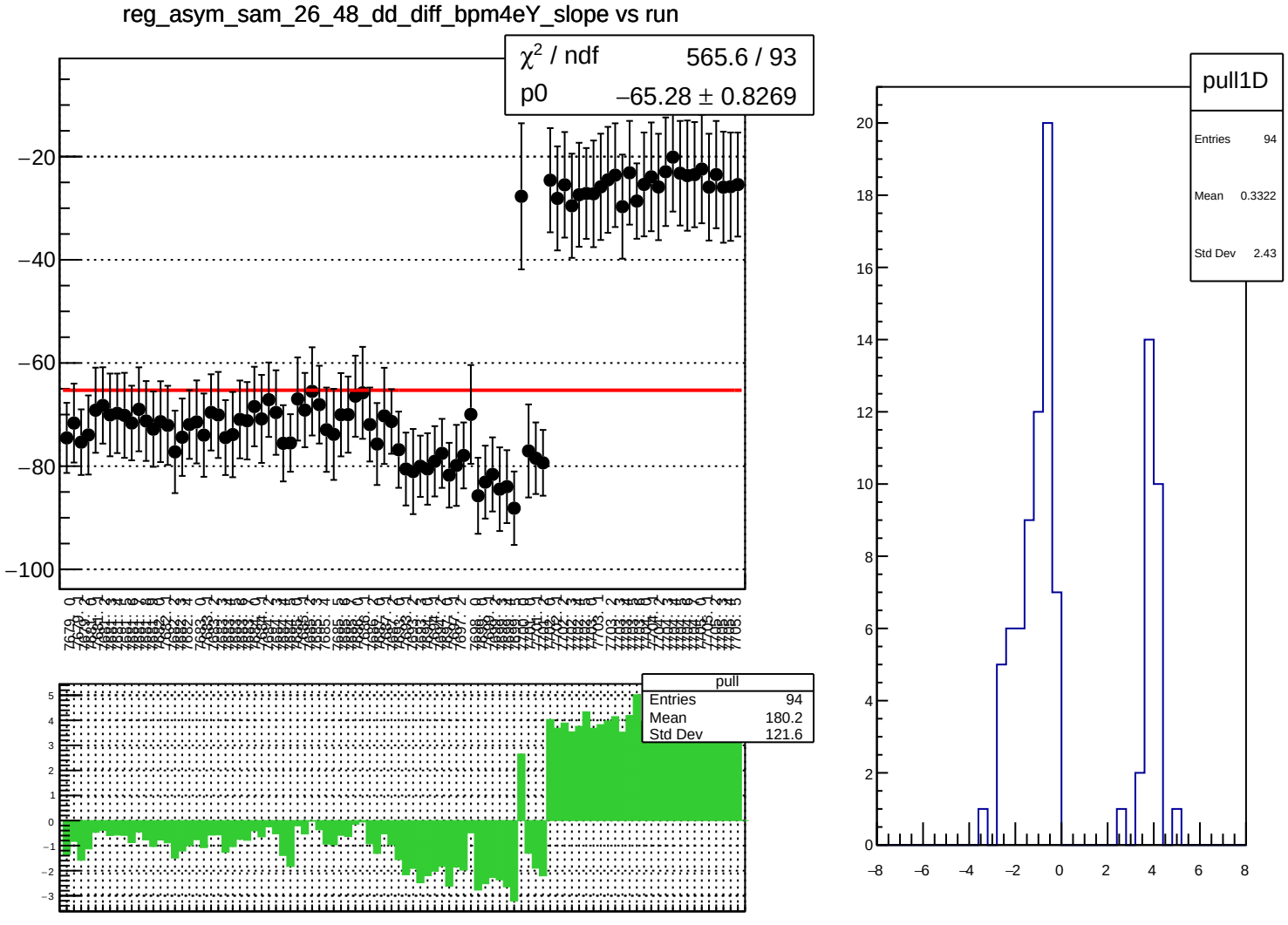

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.2697 / 93
p0 −0.03384 ± 0.1483
pull
Entries 94
Mean −110.7
Std Dev 169.5

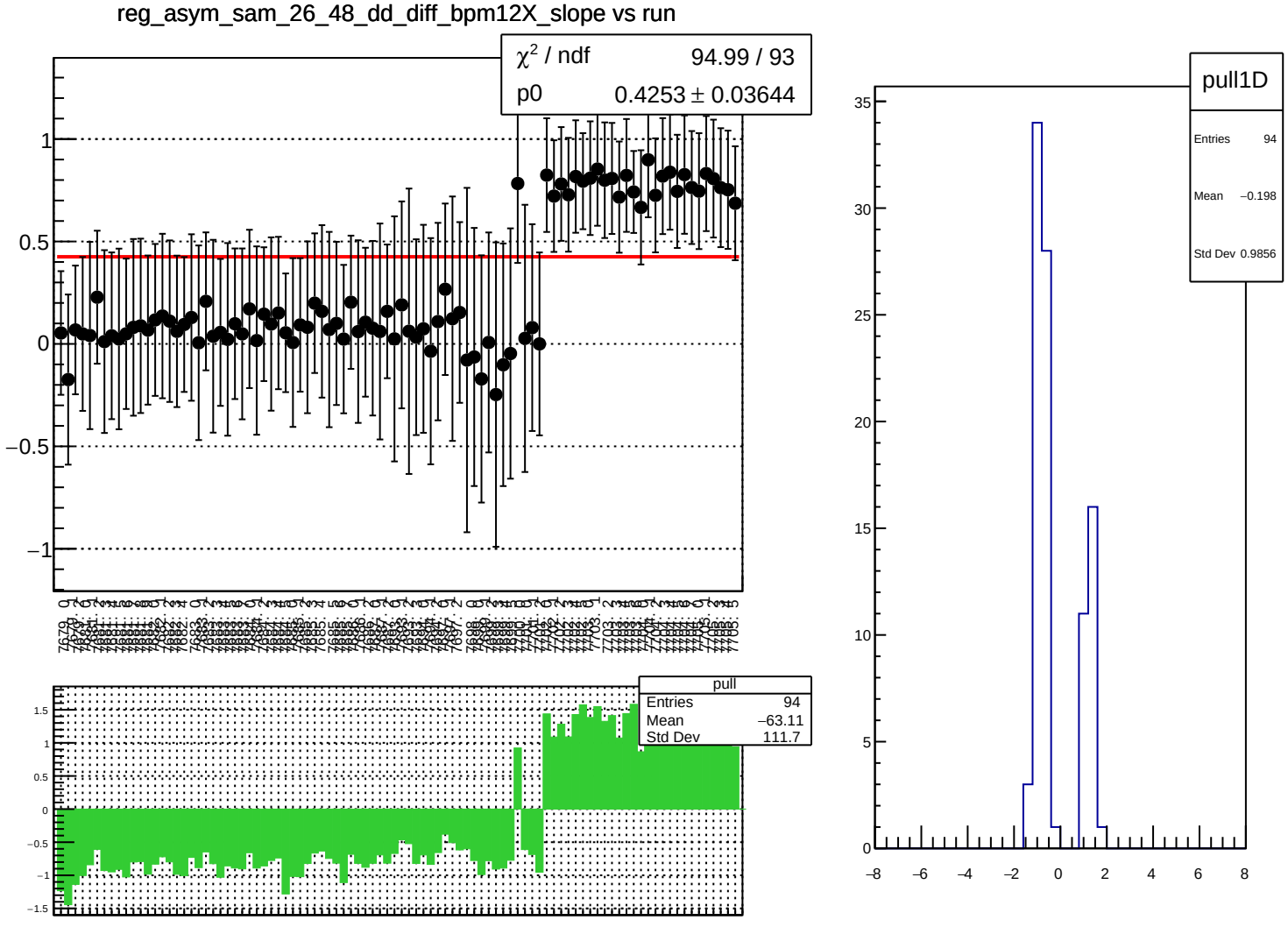

pull1D
Entries 94
Mean 0.001205
Std Dev 0.05355

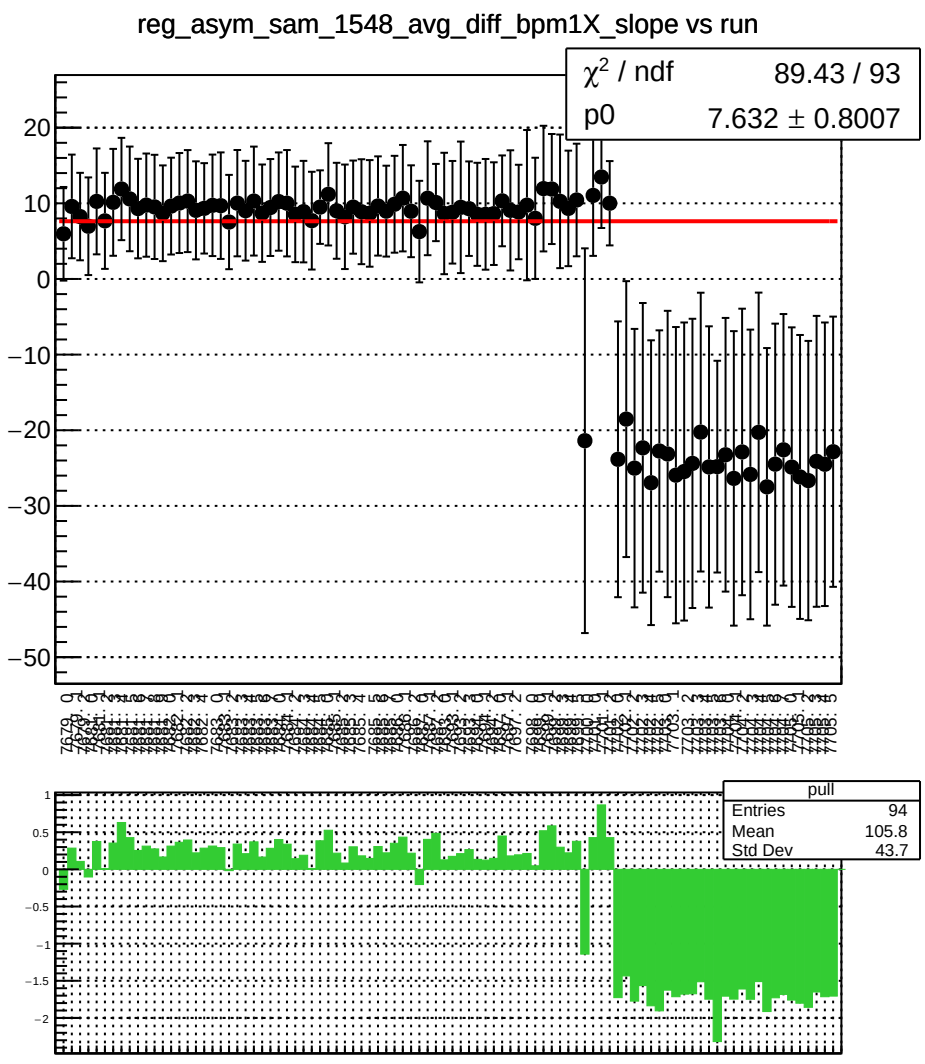

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 28.36 / 93
p0 −2.78 ± 0.3889
pull
Entries 94
Mean 116.1
Std Dev 59.66
pull1D
Entries 94
Mean 0.1599
Std Dev 0.5255

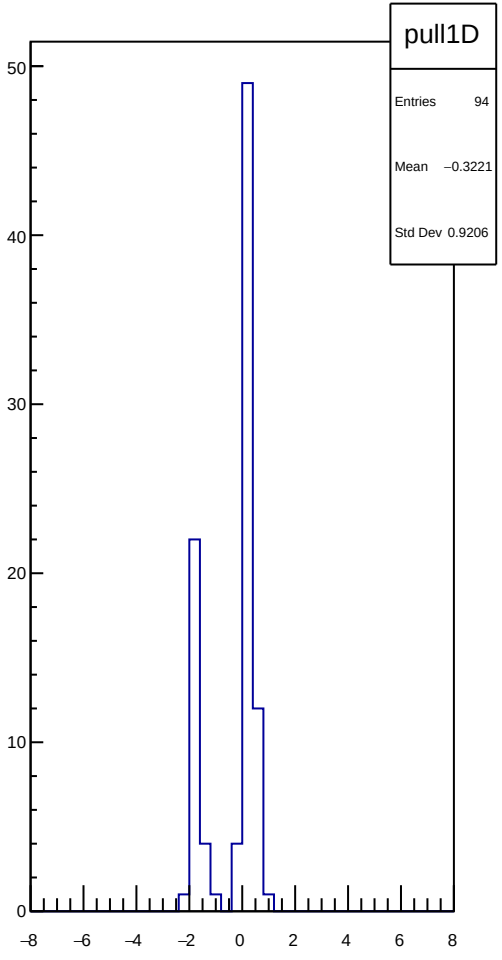

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 743.5 / 93
p0 1.327 ± 0.5719
pull
Entries 94
Mean 120
Std Dev 57.66
pull1D
Entries 94
Mean −0.666
Std Dev 2.732

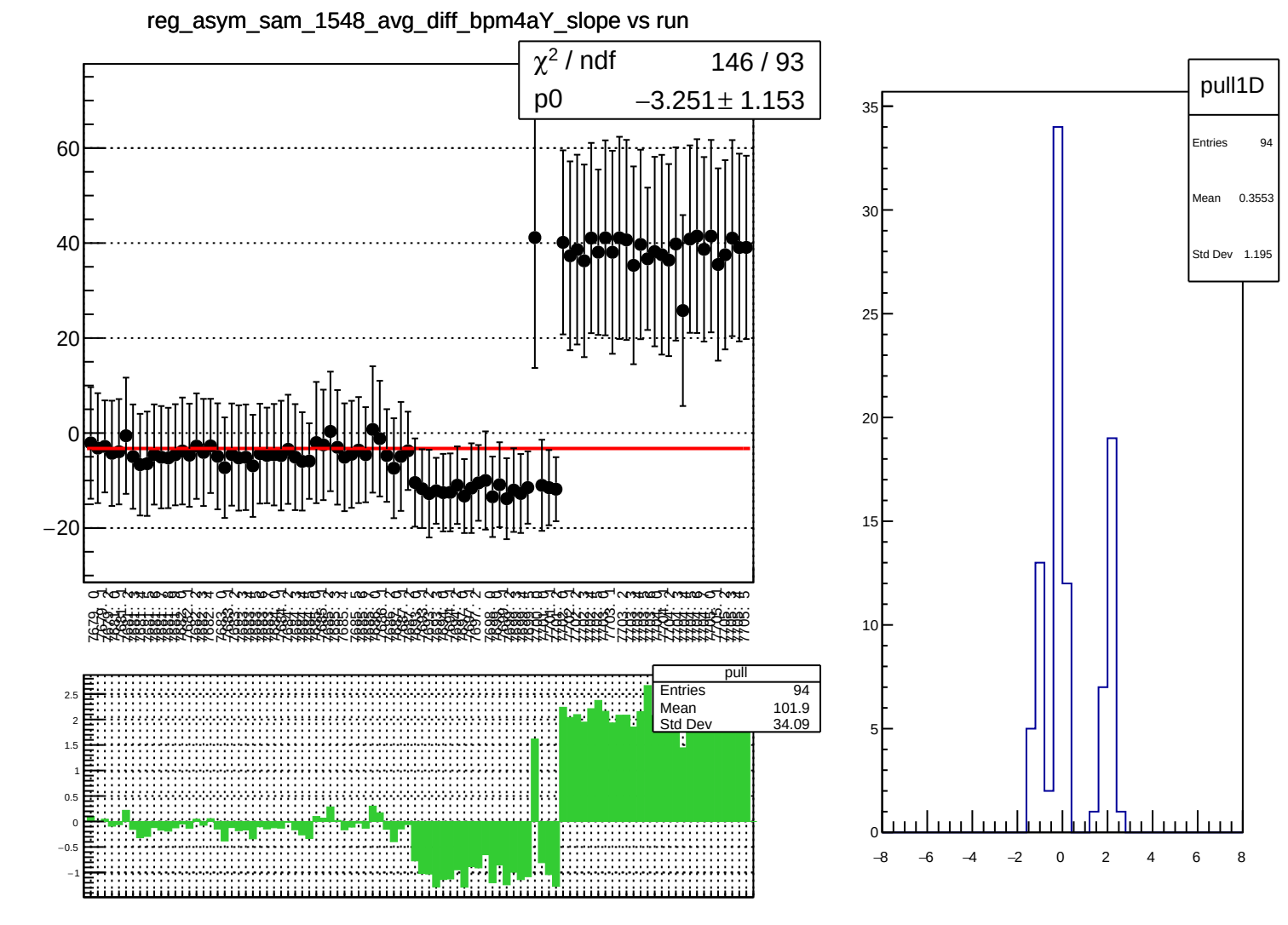

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.8 / 93
p0 23.39 ± 0.3154
pull
Entries 94
Mean 100.2
Std Dev 34.87
pull1D
Entries 94
Mean −0.09842
Std Dev 0.398

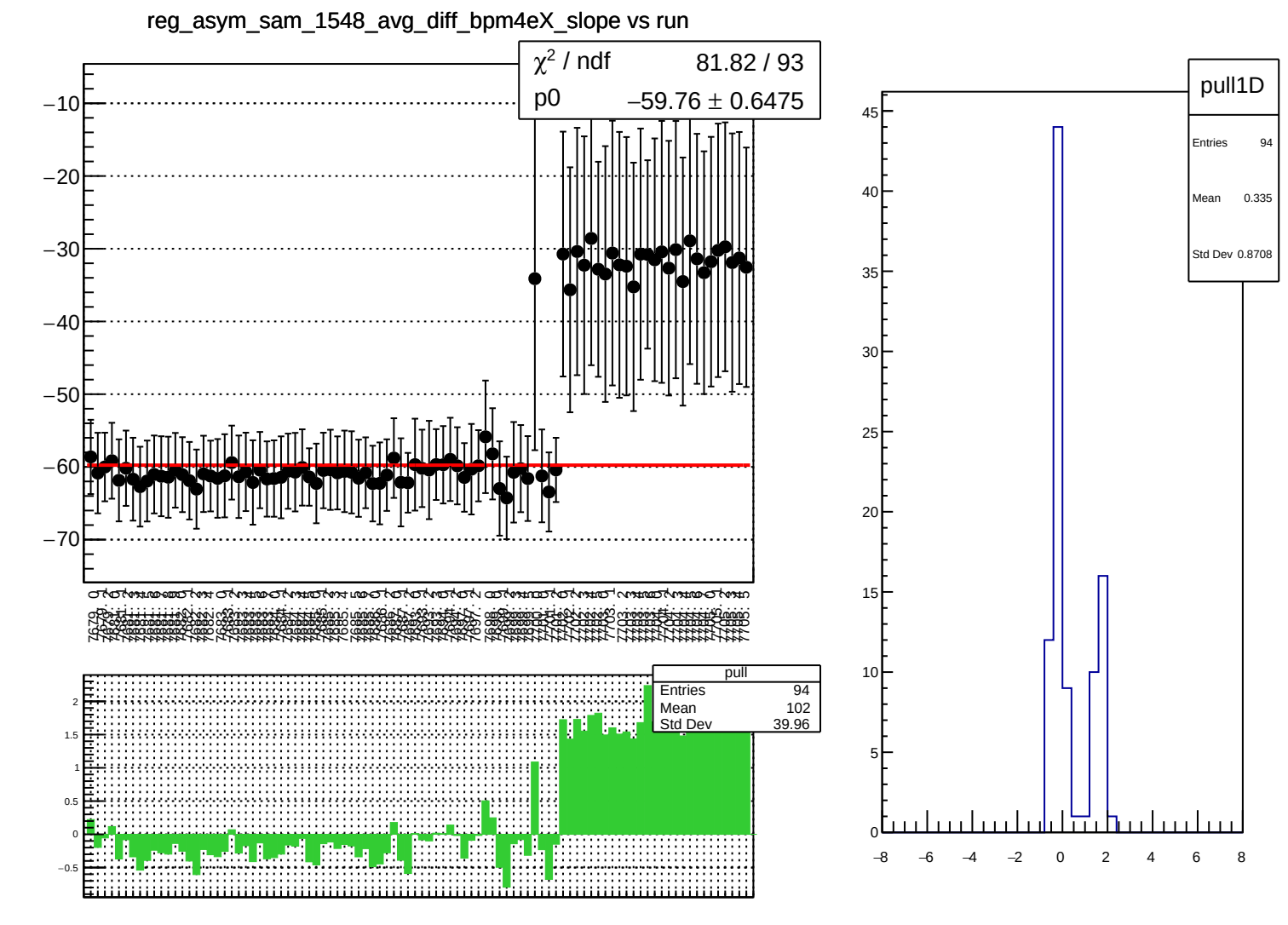

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 565.6 / 93
p0 −65.28 ± 0.8269
−20
−40
−60
−80
−100
pull
Entries 94
Mean 180.2
Std Dev 121.6
pull1D
Entries 94
Mean 0.3322
Std Dev 2.43

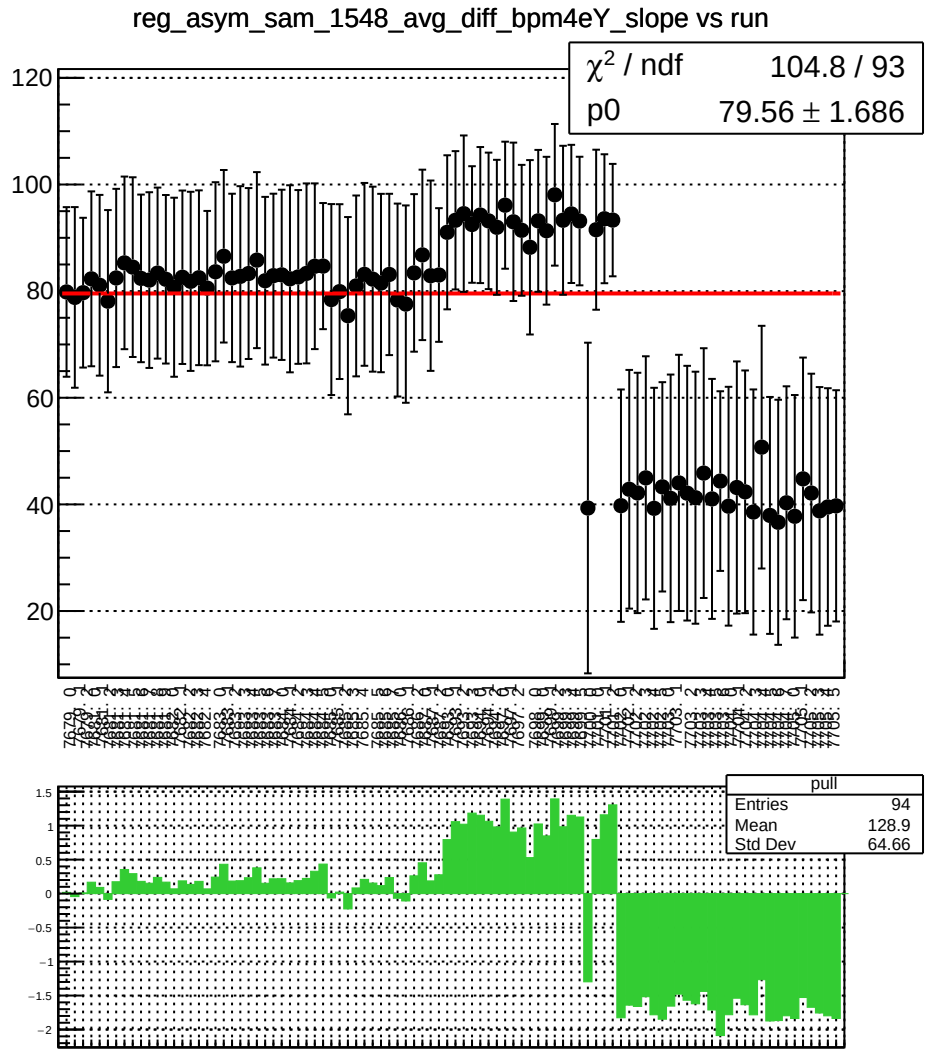

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 94.99 / 93
p0 0.4253 ± 0.03644
pull
Entries 94
Mean −63.11
Std Dev 111.7
pull1D
Entries 94
Mean −0.198
Std Dev 0.9856

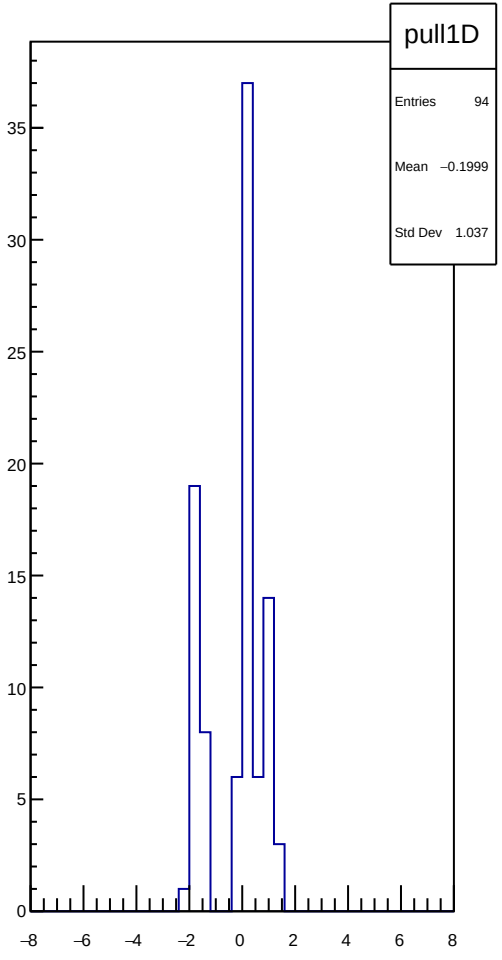

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 89.43 / 93
p0 7.632 ± 0.8007
pull
Entries 94
Mean 105.8
Std Dev 43.7

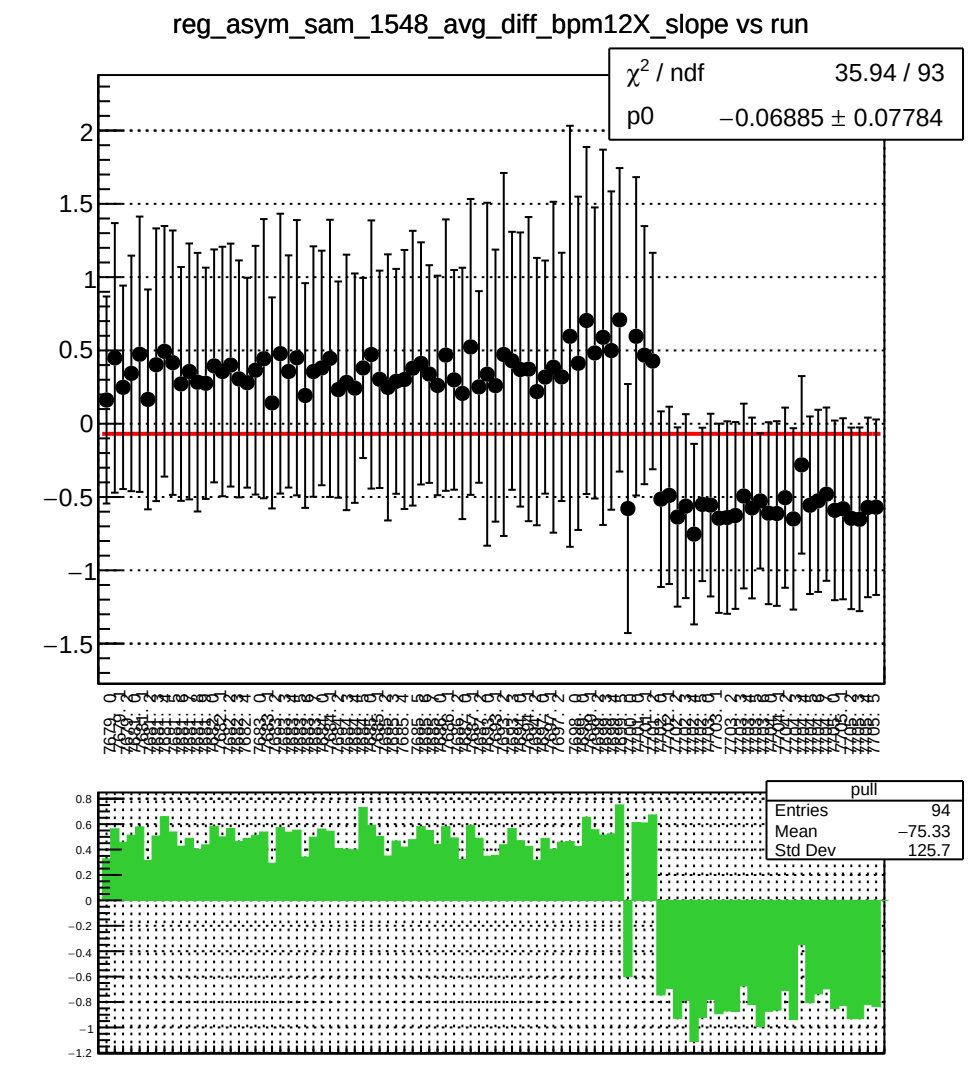

pull1D
Entries 94
Mean −0.3221
Std Dev 0.9206

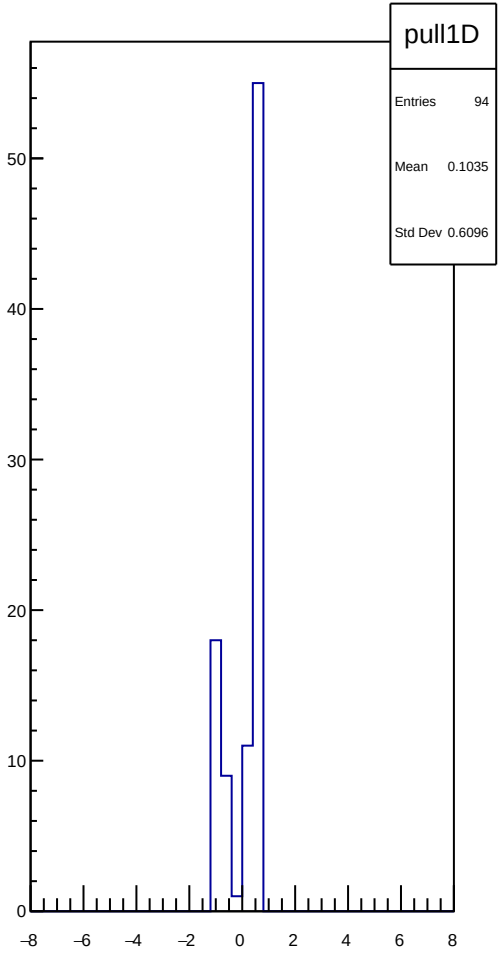

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 146 / 93
p0 −3.251 ± 1.153
60
40
20
0
−20
pull
Entries 94
Mean 101.9
Std Dev 34.09
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 94
Mean 0.3553
Std Dev 1.195
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

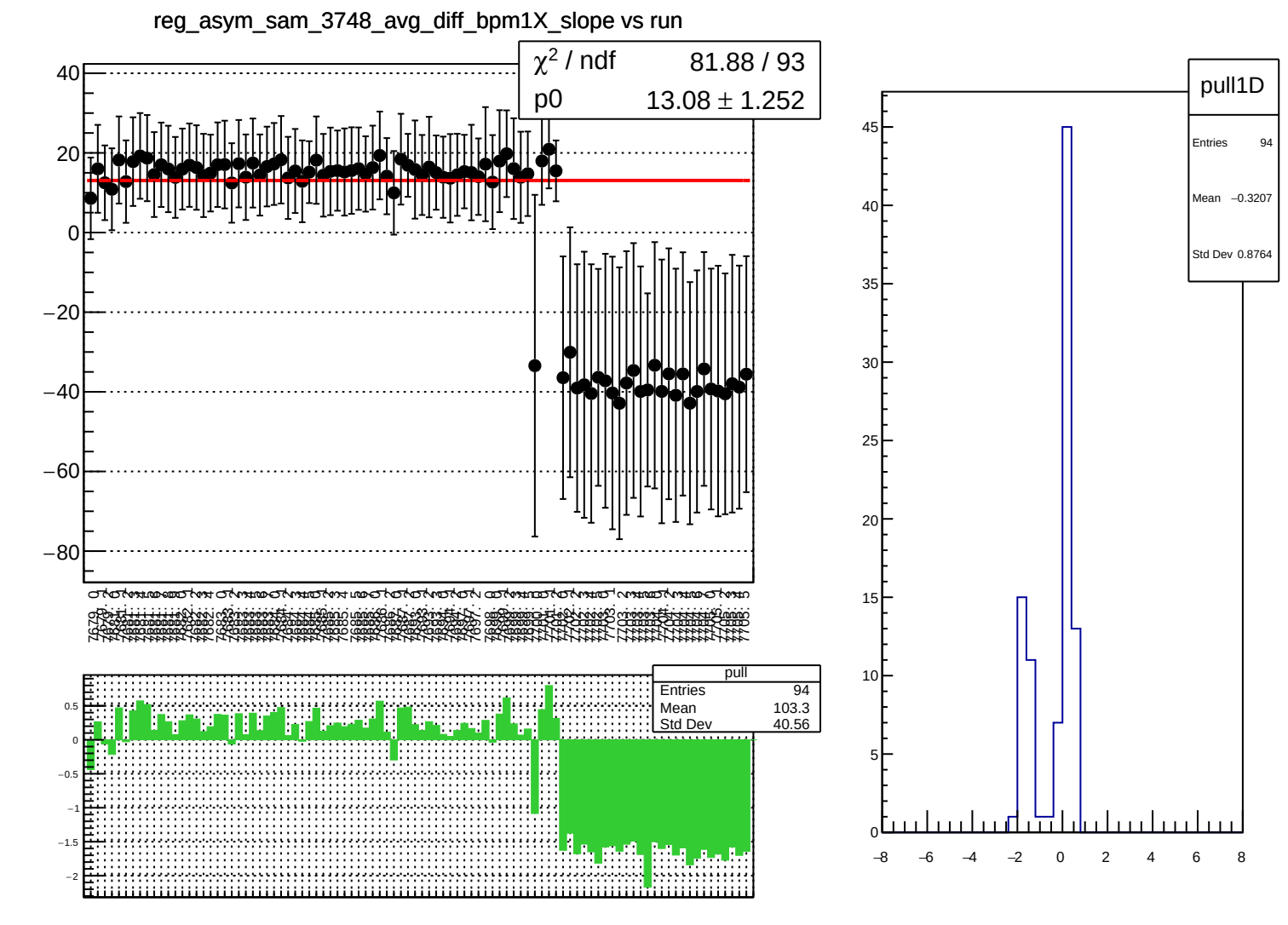

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.82 / 93
p0 −59.76 ± 0.6475
pull
Entries 94
Mean 102
Std Dev 39.96
pull1D
Entries 94
Mean 0.335
Std Dev 0.8708

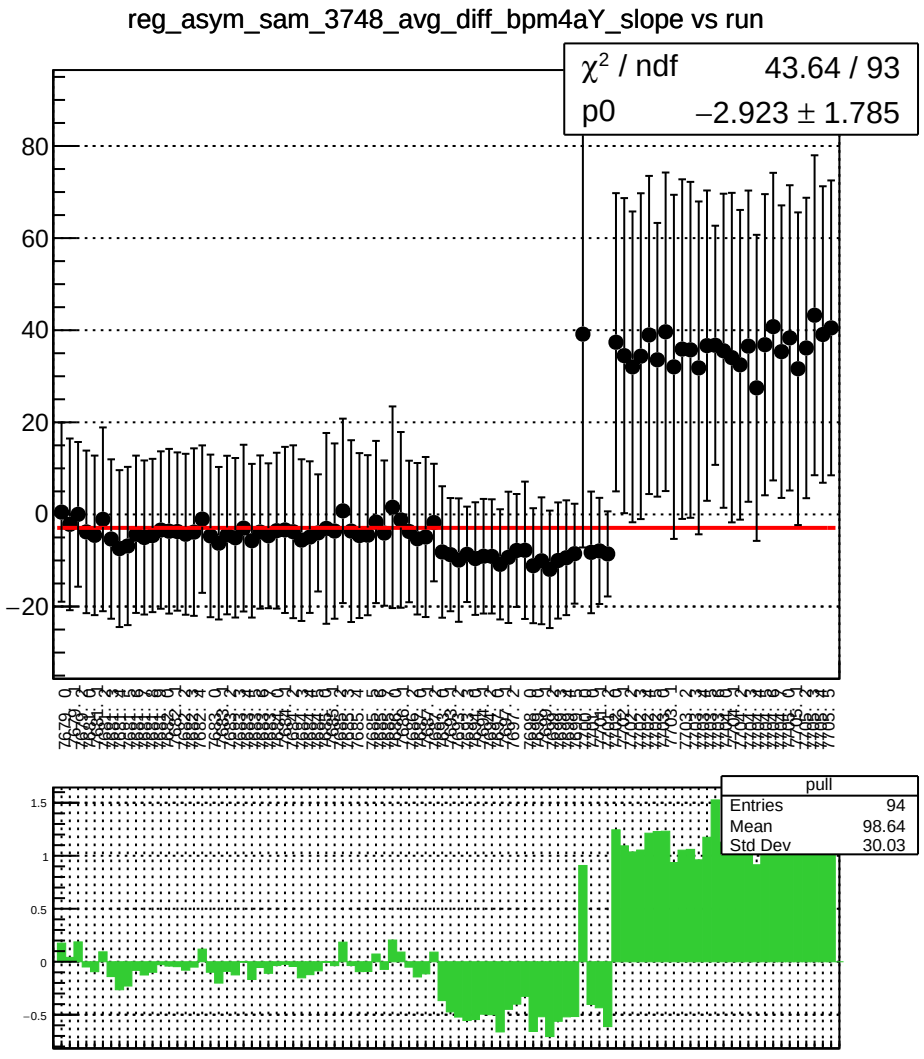

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.8 / 93
p0 79.56 ± 1.686
120
100
80
60
40
20
pull
Entries 94
Mean 128.9
Std Dev 64.66
1.5
1
0.5
0
−0.5
−1
−1.5
−2

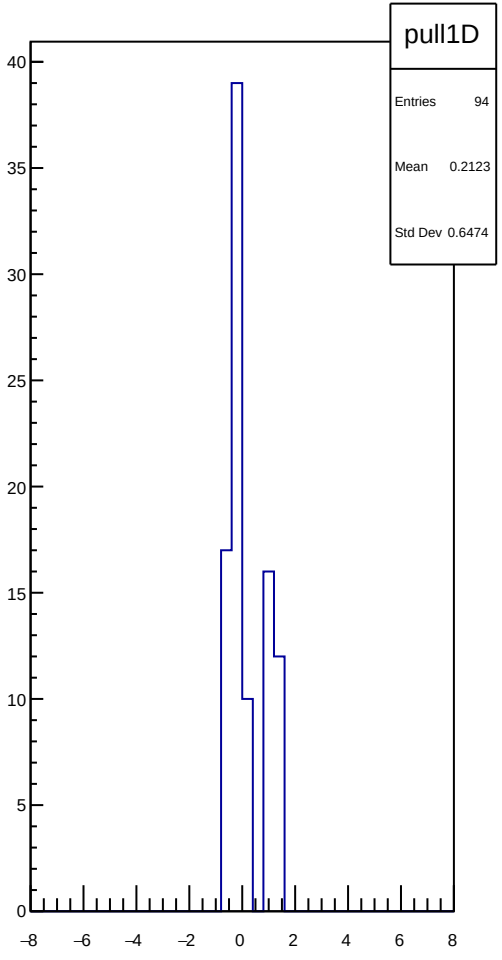

pull1D
Entries 94
Mean −0.1999
Std Dev 1.037
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

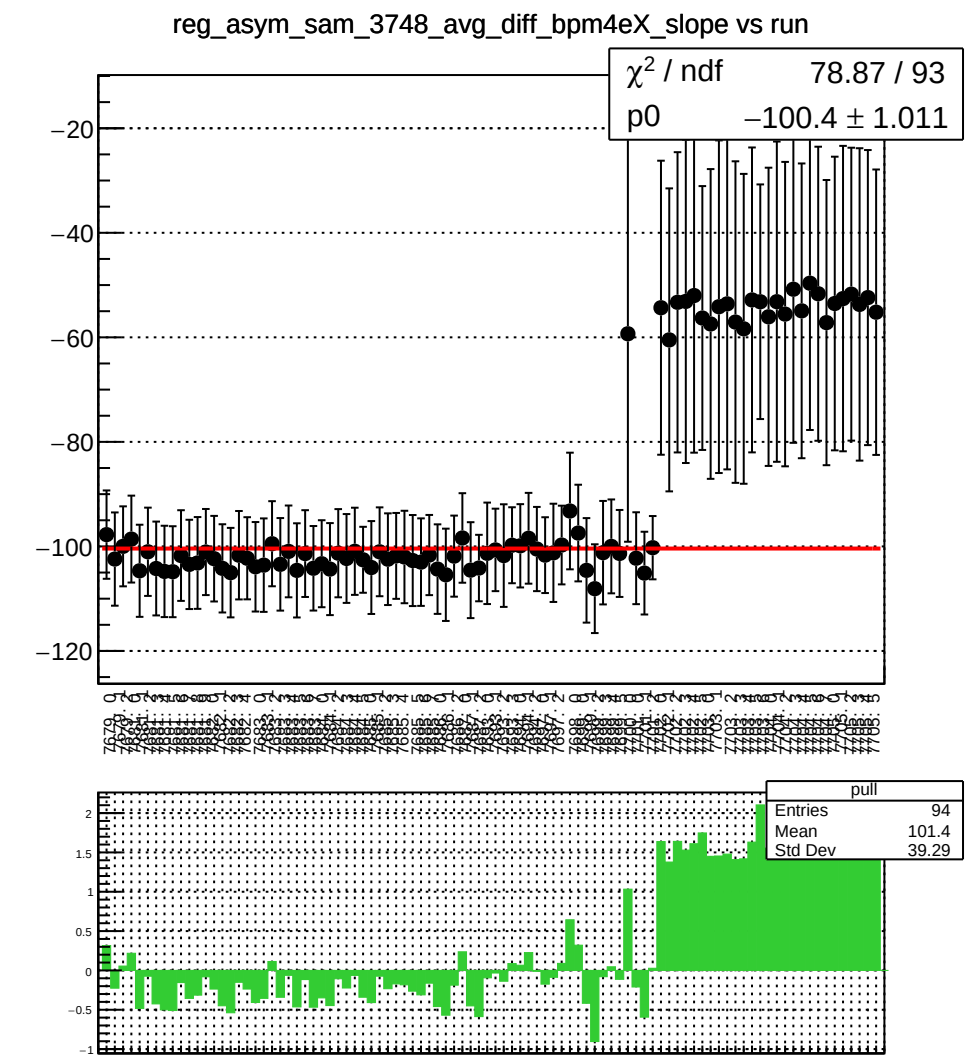

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 35.94 / 93
p0 −0.06885 ± 0.07784
pull
Entries 94
Mean −75.33
Std Dev 125.7

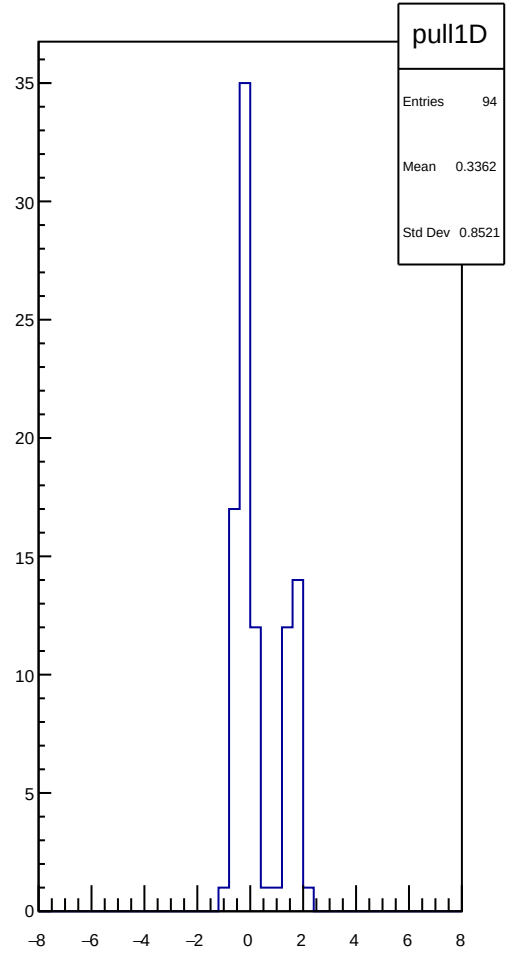

pull1D
Entries 94
Mean 0.1035
Std Dev 0.6096

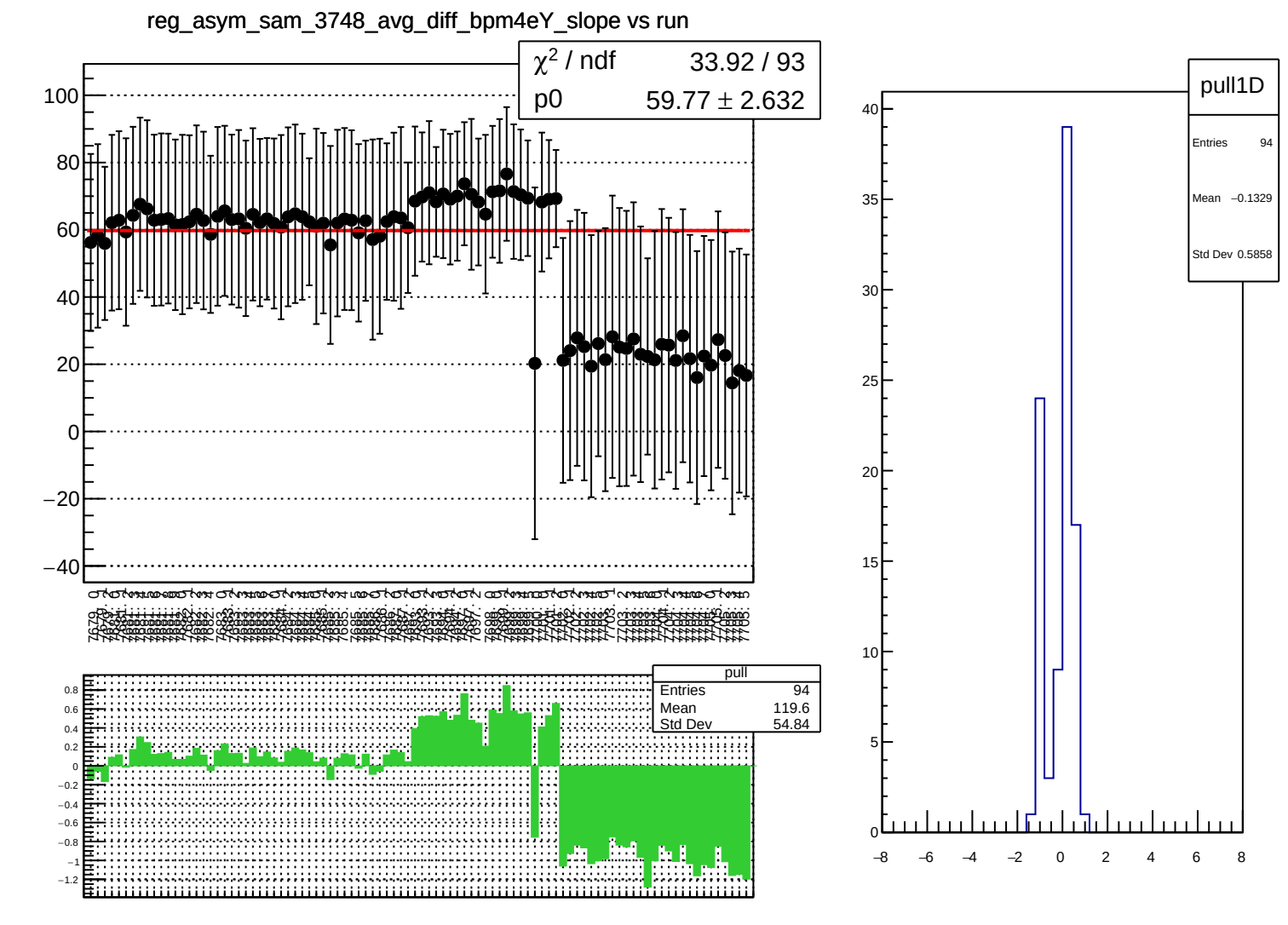

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 81.88 / 93
p0 13.08 ± 1.252
pull
Entries 94
Mean 103.3
Std Dev 40.56
pull1D
Entries 94
Mean −0.3207
Std Dev 0.8764

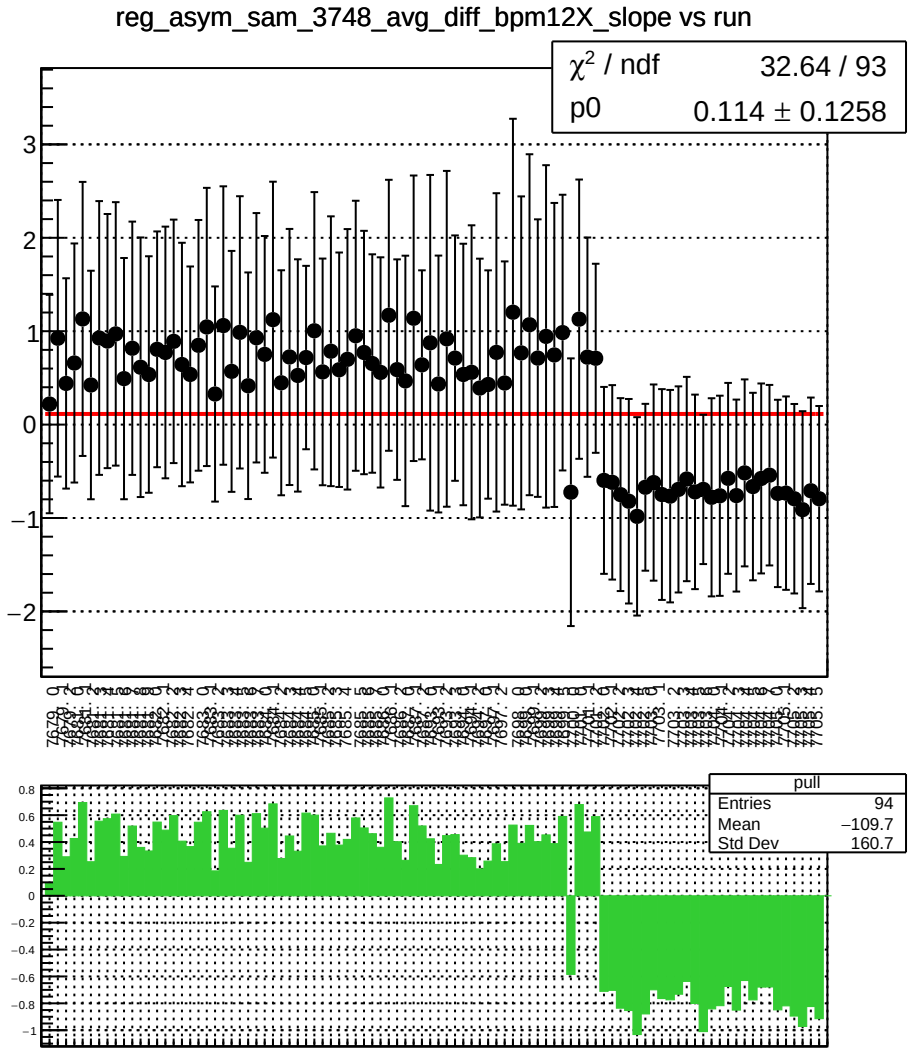

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.64 / 93
p0 −2.923 ± 1.785
pull
Entries 94
Mean 98.64
Std Dev 30.03

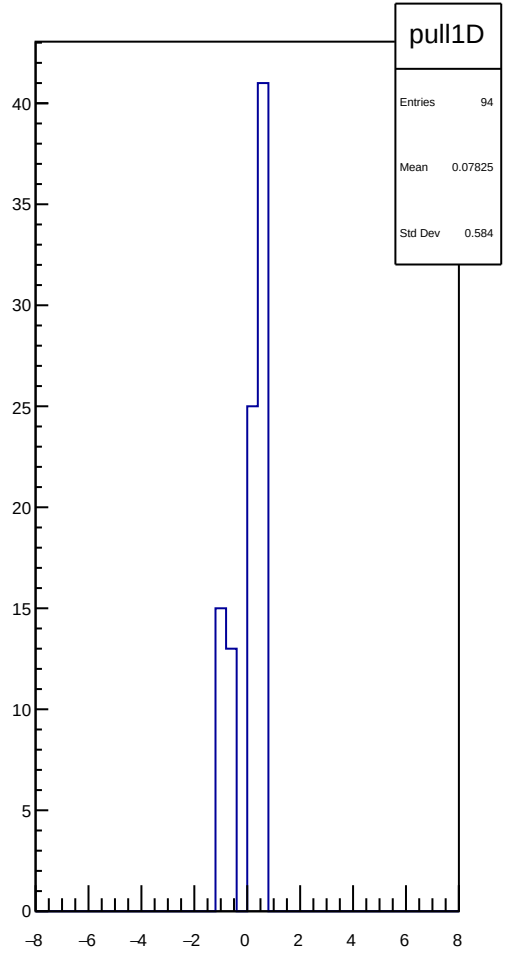

pull1D
Entries 94
Mean 0.2123
Std Dev 0.6474

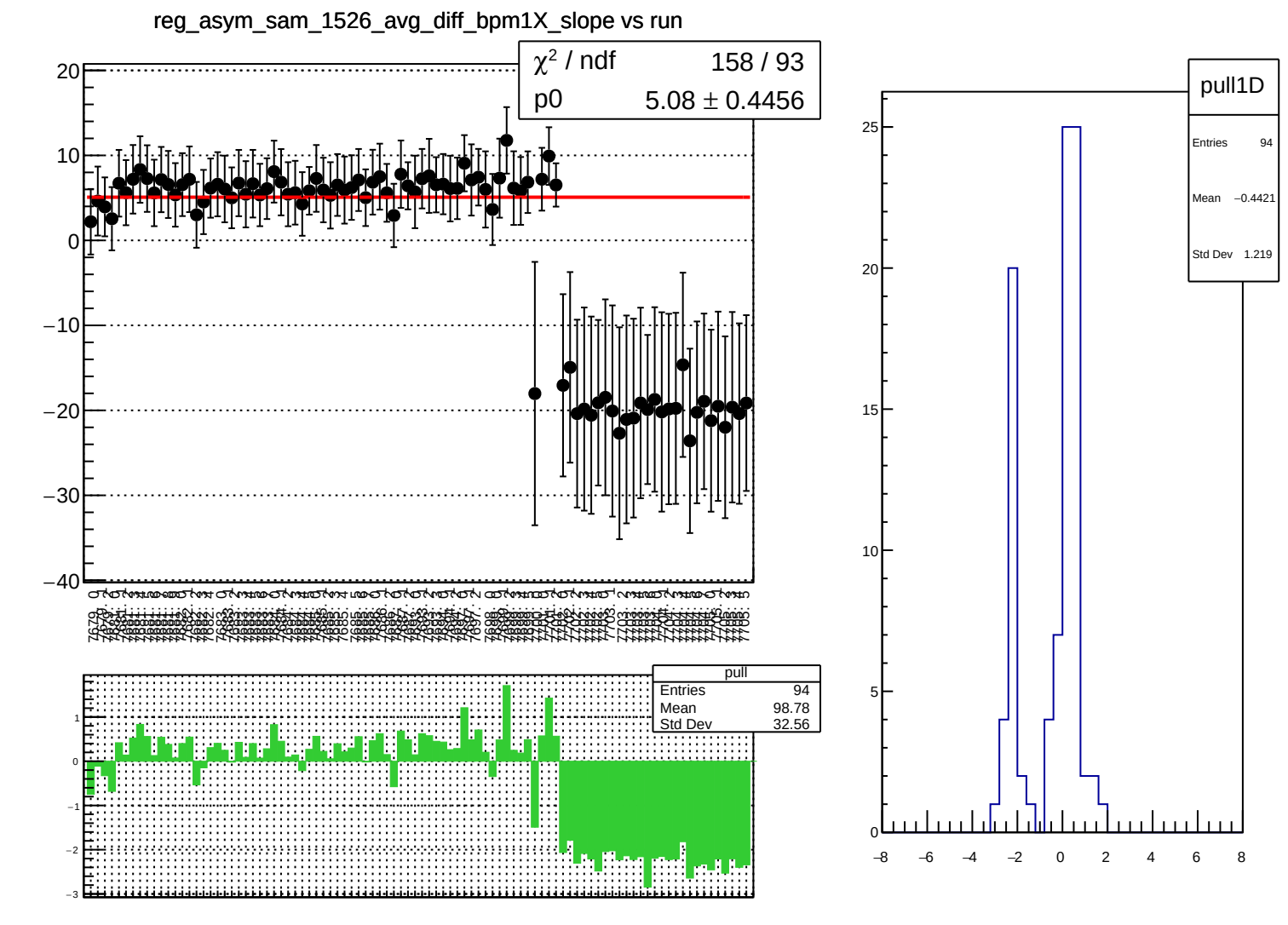

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 78.87 / 93
p0 −100.4 ± 1.011
pull
Entries 94
Mean 101.4
Std Dev 39.29

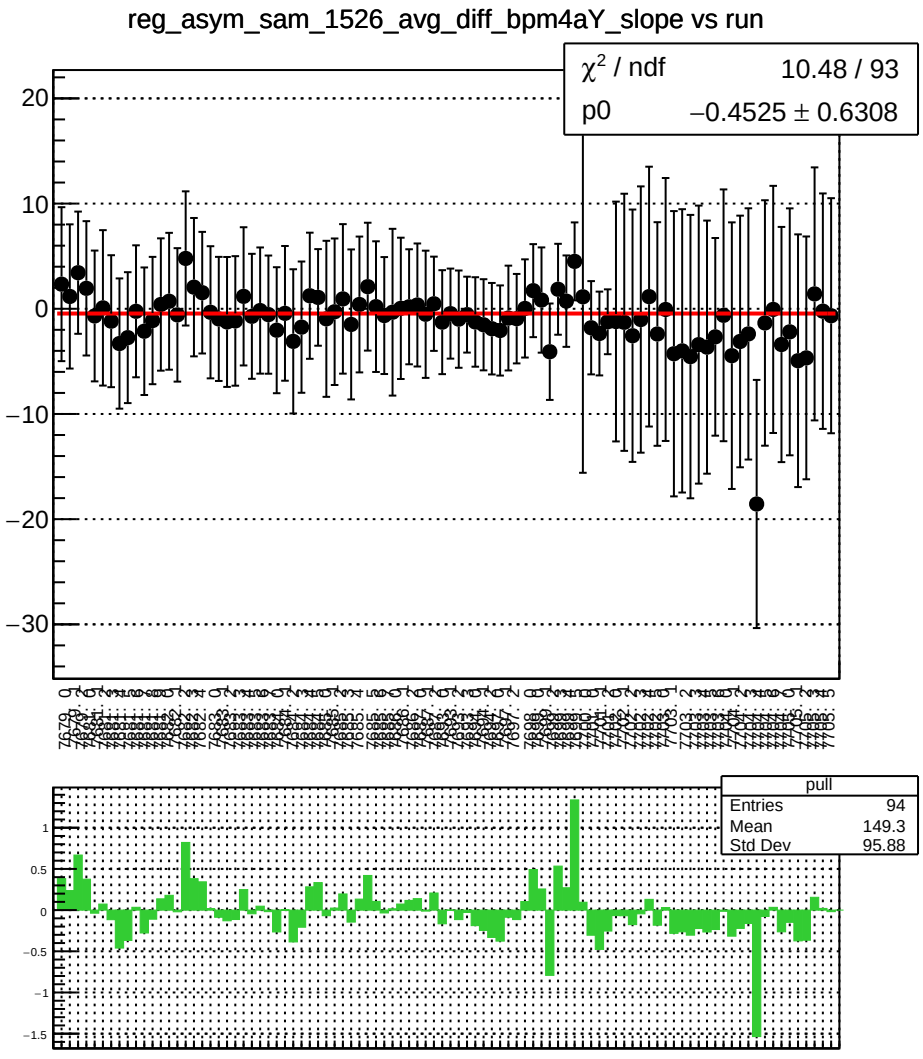

pull1D
Entries 94
Mean 0.3362
Std Dev 0.8521

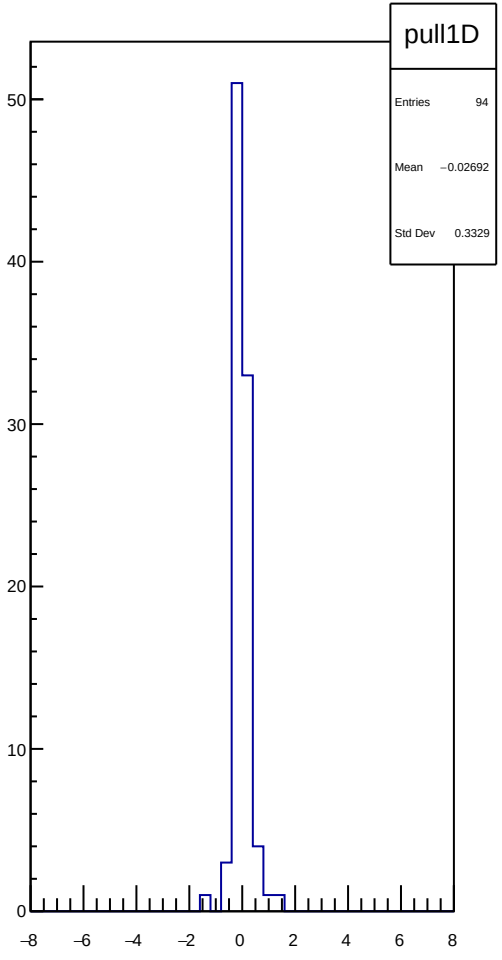

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.92 / 93
p0 59.77 ± 2.632
pull
Entries 94
Mean 119.6
Std Dev 54.84
pull1D
Entries 94
Mean −0.1329
Std Dev 0.5858

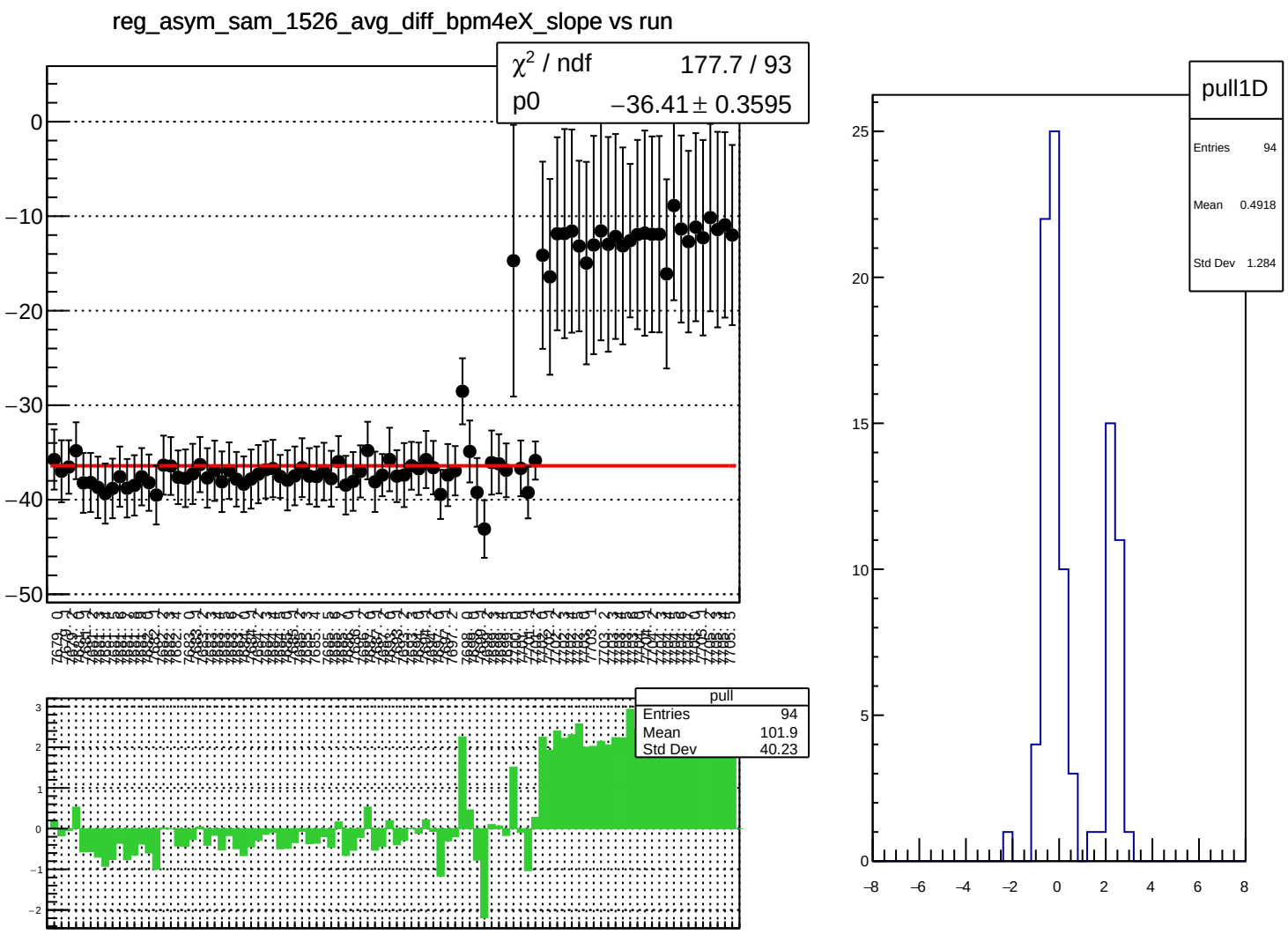

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 32.64 / 93
p0 0.114 ± 0.1258
pull
Entries 94
Mean −109.7
Std Dev 160.7

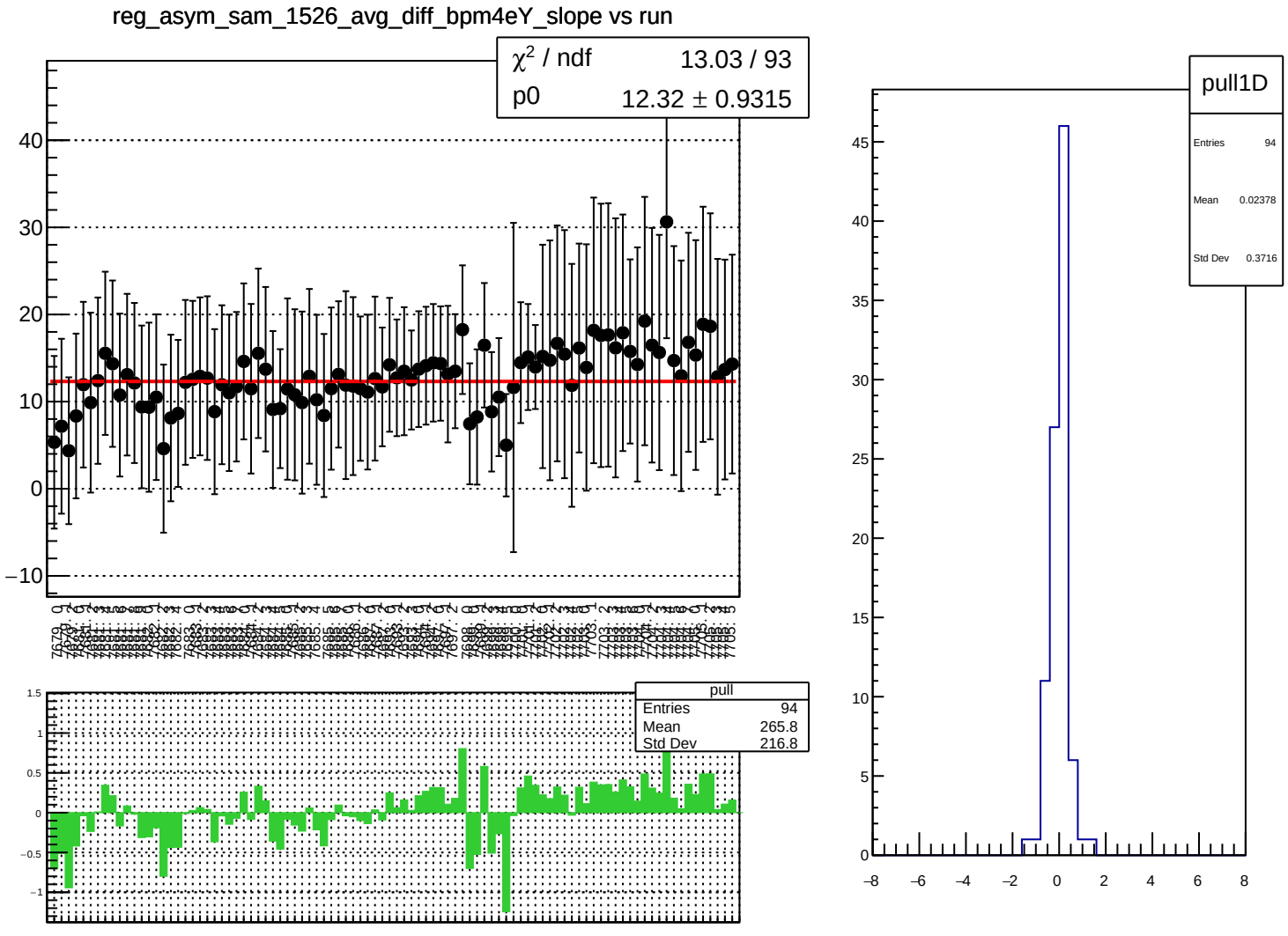

pull1D
Entries 94
Mean 0.07825
Std Dev 0.584

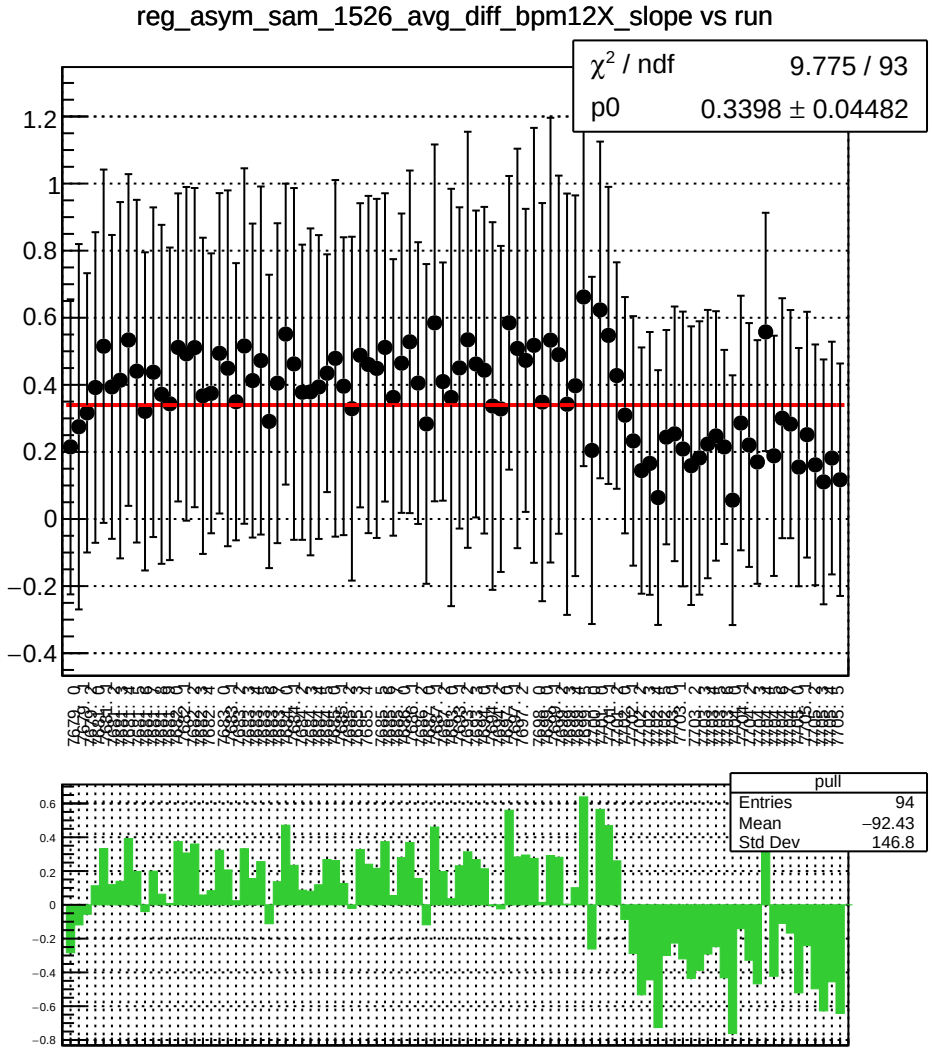

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 158 / 93
p0 5.08 ± 0.4456
pull
Entries 94
Mean 98.78
Std Dev 32.56
pull1D
Entries 94
Mean −0.4421
Std Dev 1.219

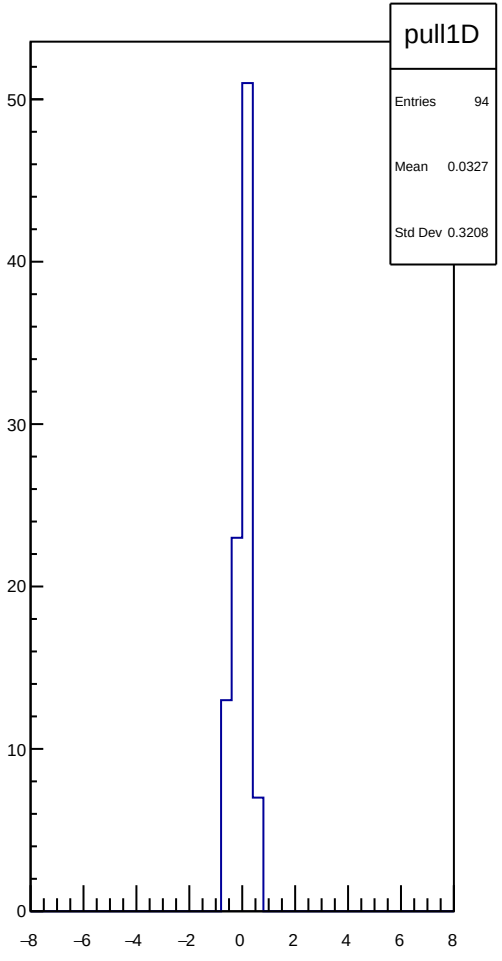

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.48 / 93
p0 −0.4525 ± 0.6308
pull
Entries 94
Mean 149.3
Std Dev 95.88

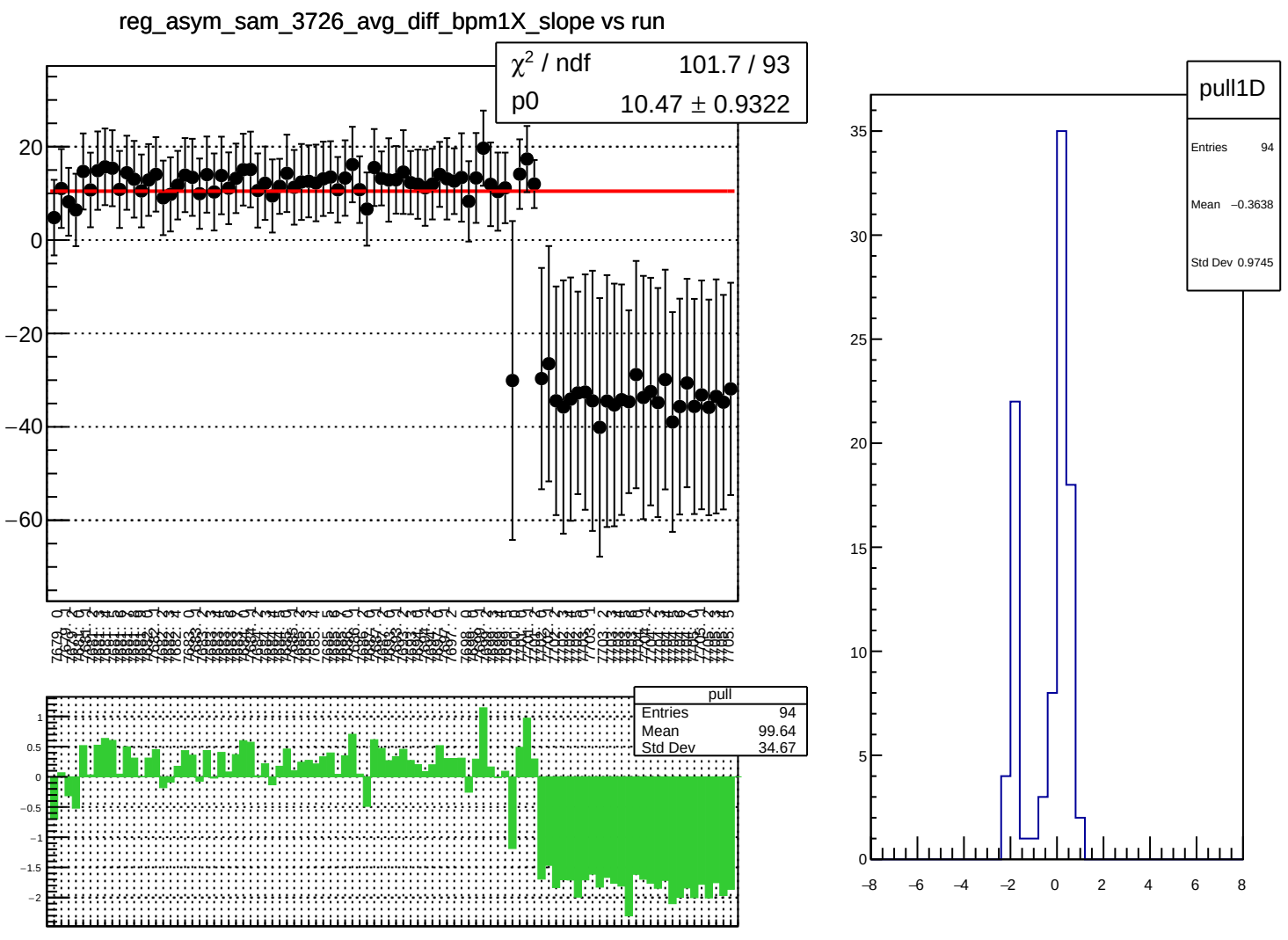

pull1D
Entries 94
Mean −0.02692
Std Dev 0.3329

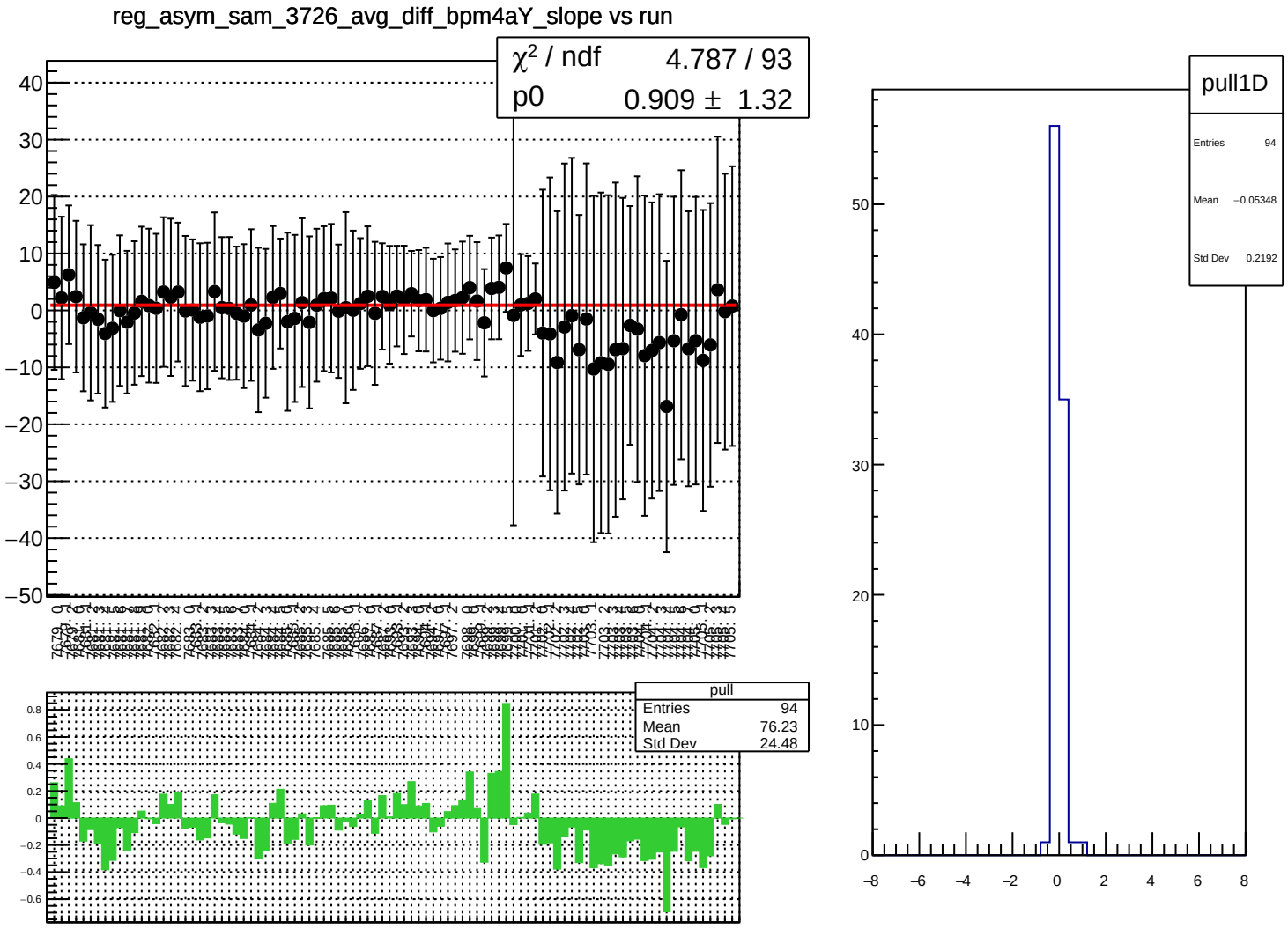

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 177.7 / 93
p0 −36.41 ± 0.3595
pull
Entries 94
Mean 101.9
Std Dev 40.23
pull1D
Entries 94
Mean 0.4918
Std Dev 1.284

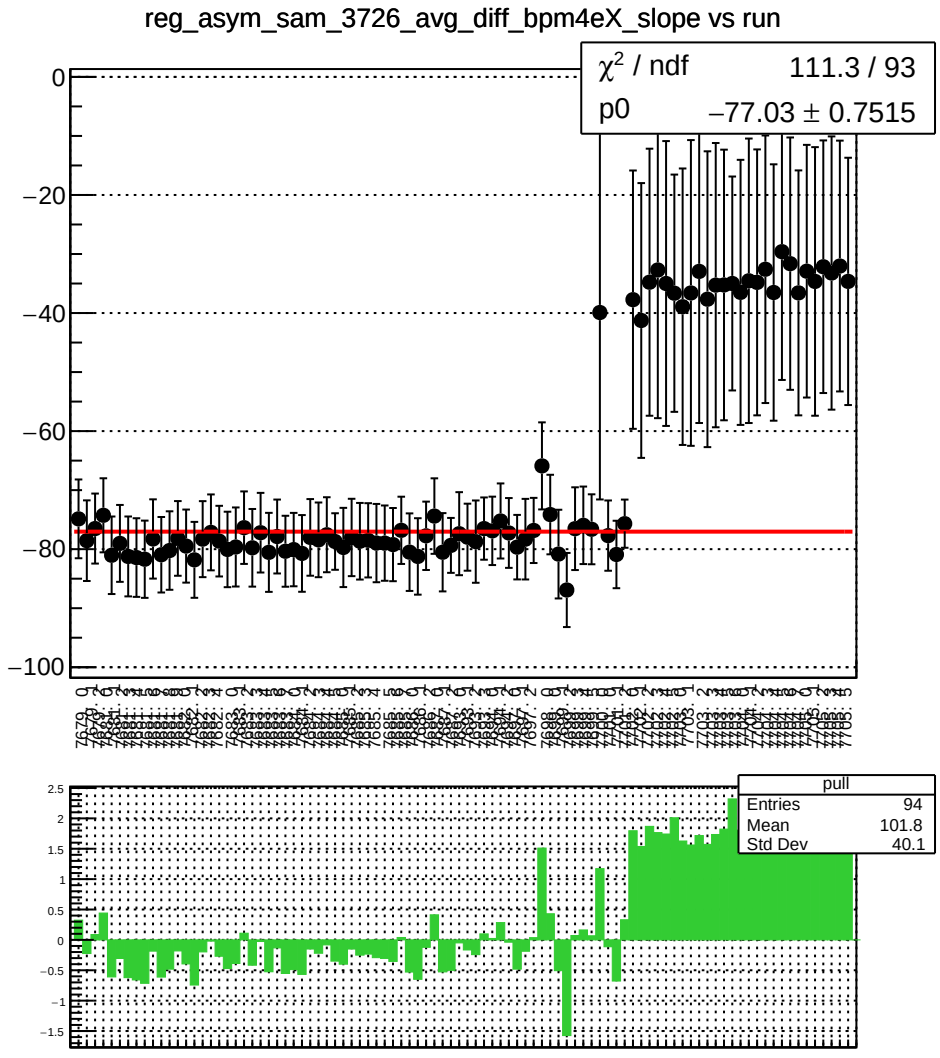

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.03 / 93
p0 12.32 ± 0.9315
pull
Entries 94
Mean 265.8
Std Dev 216.8
pull1D
Entries 94
Mean 0.02378
Std Dev 0.3716

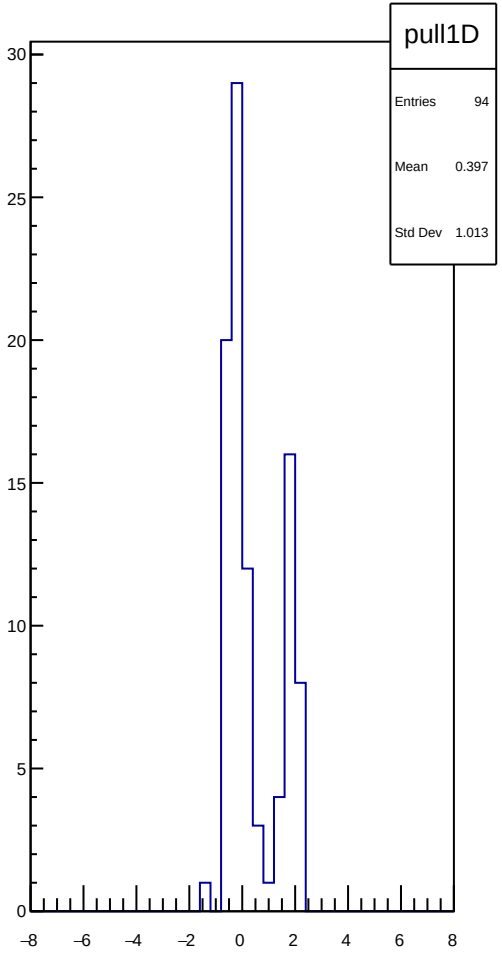

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 9.775 / 93
p0 0.3398 ± 0.04482
pull
Entries 94
Mean −92.43
Std Dev 146.8

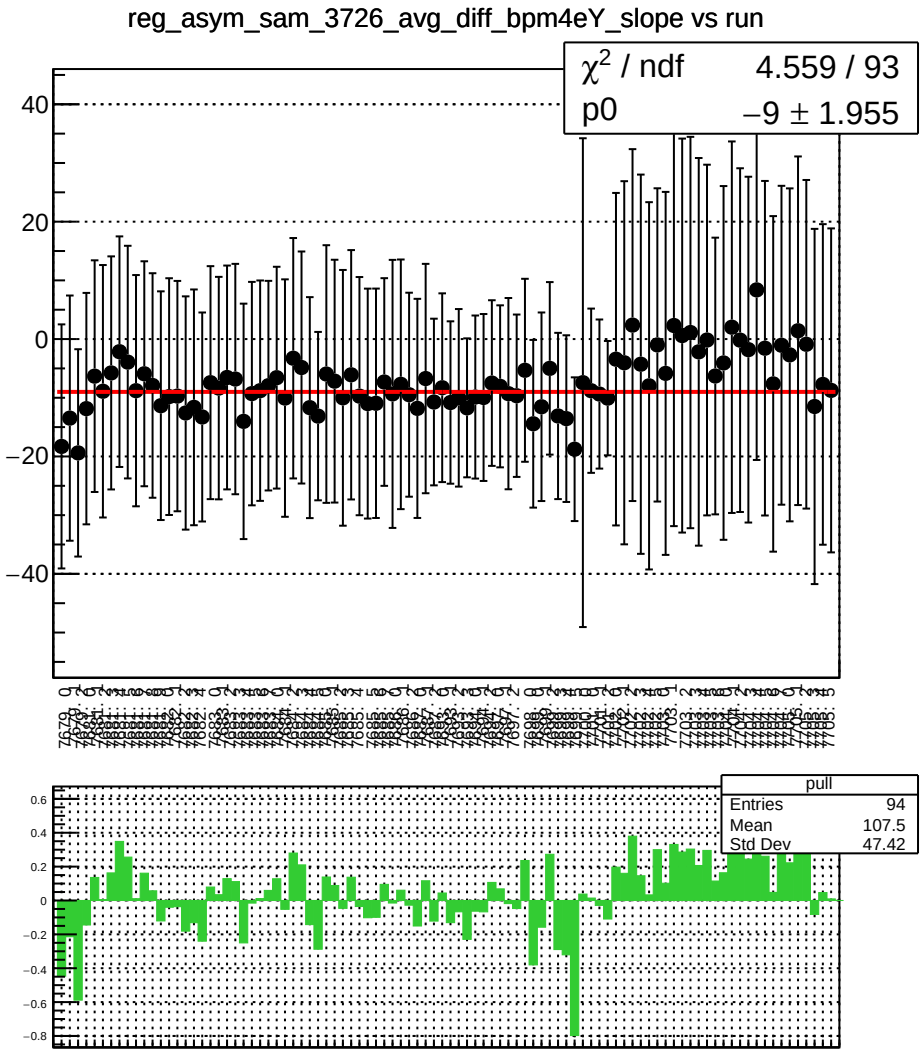

pull1D
Entries 94
Mean 0.0327
Std Dev 0.3208

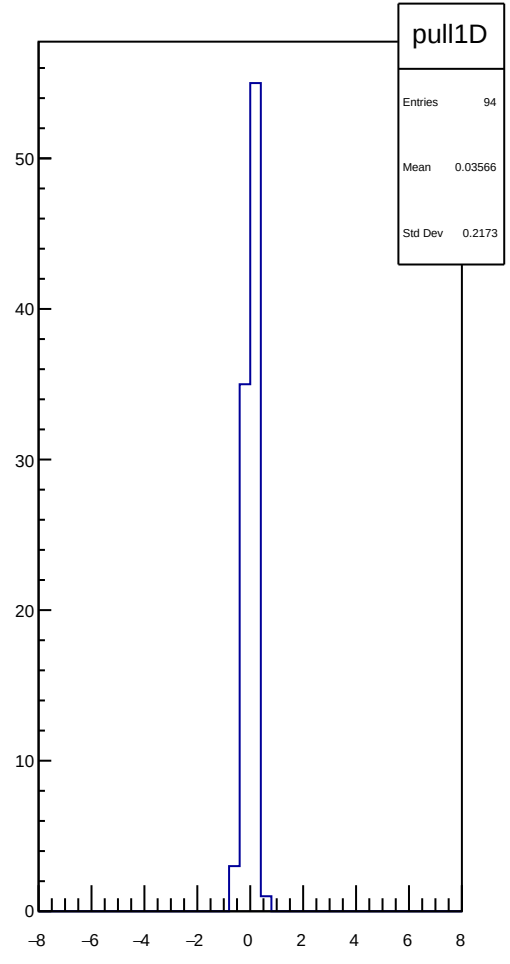

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 101.7 / 93
p0 10.47 ± 0.9322
pull
Entries 94
Mean 99.64
Std Dev 34.67
pull1D
Entries 94
Mean −0.3638
Std Dev 0.9745

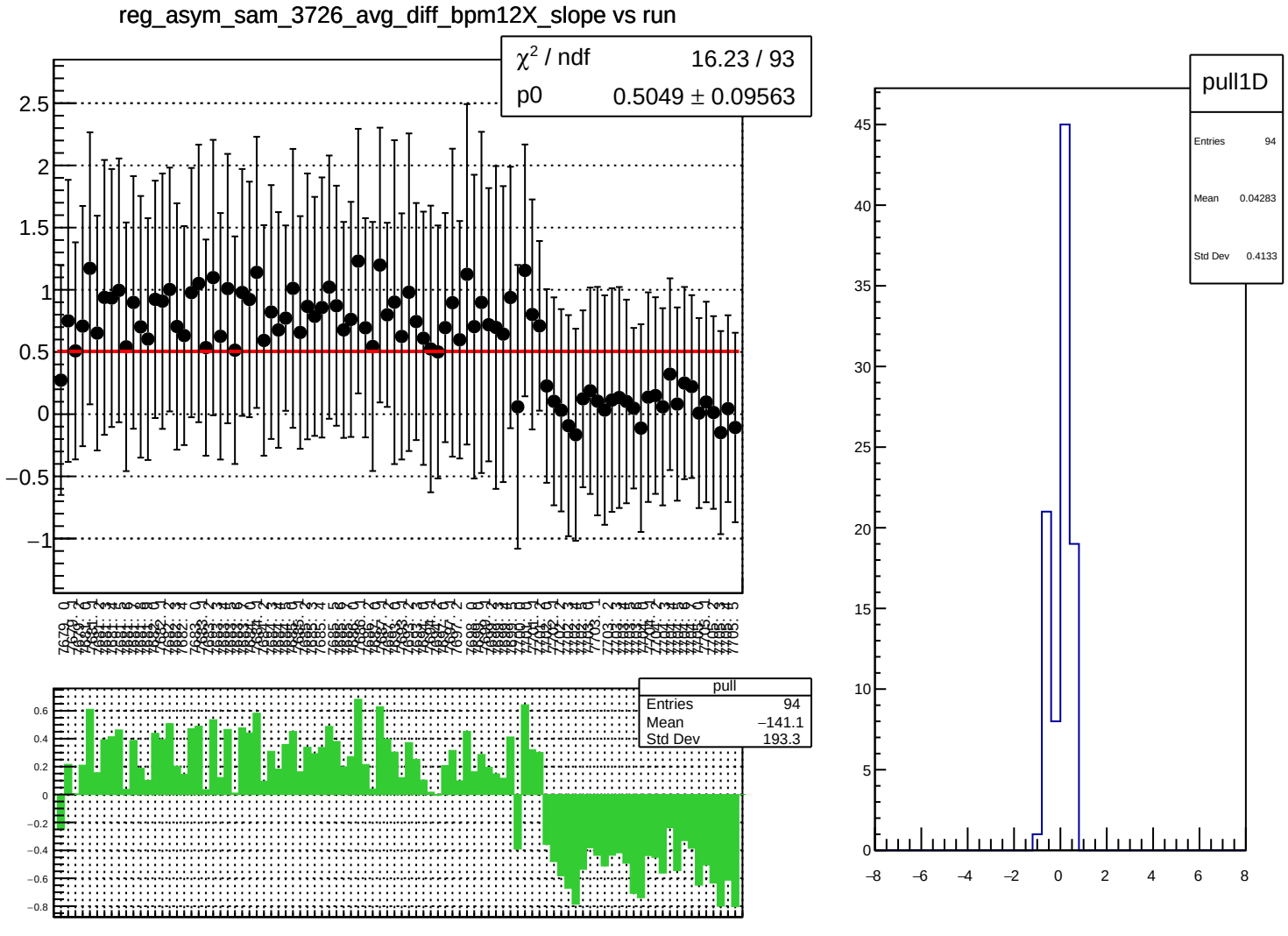

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.787 / 93
p0 0.909 ± 1.32
pull
Entries 94
Mean 76.23
Std Dev 24.48
pull1D
Entries 94
Mean −0.05348
Std Dev 0.2192

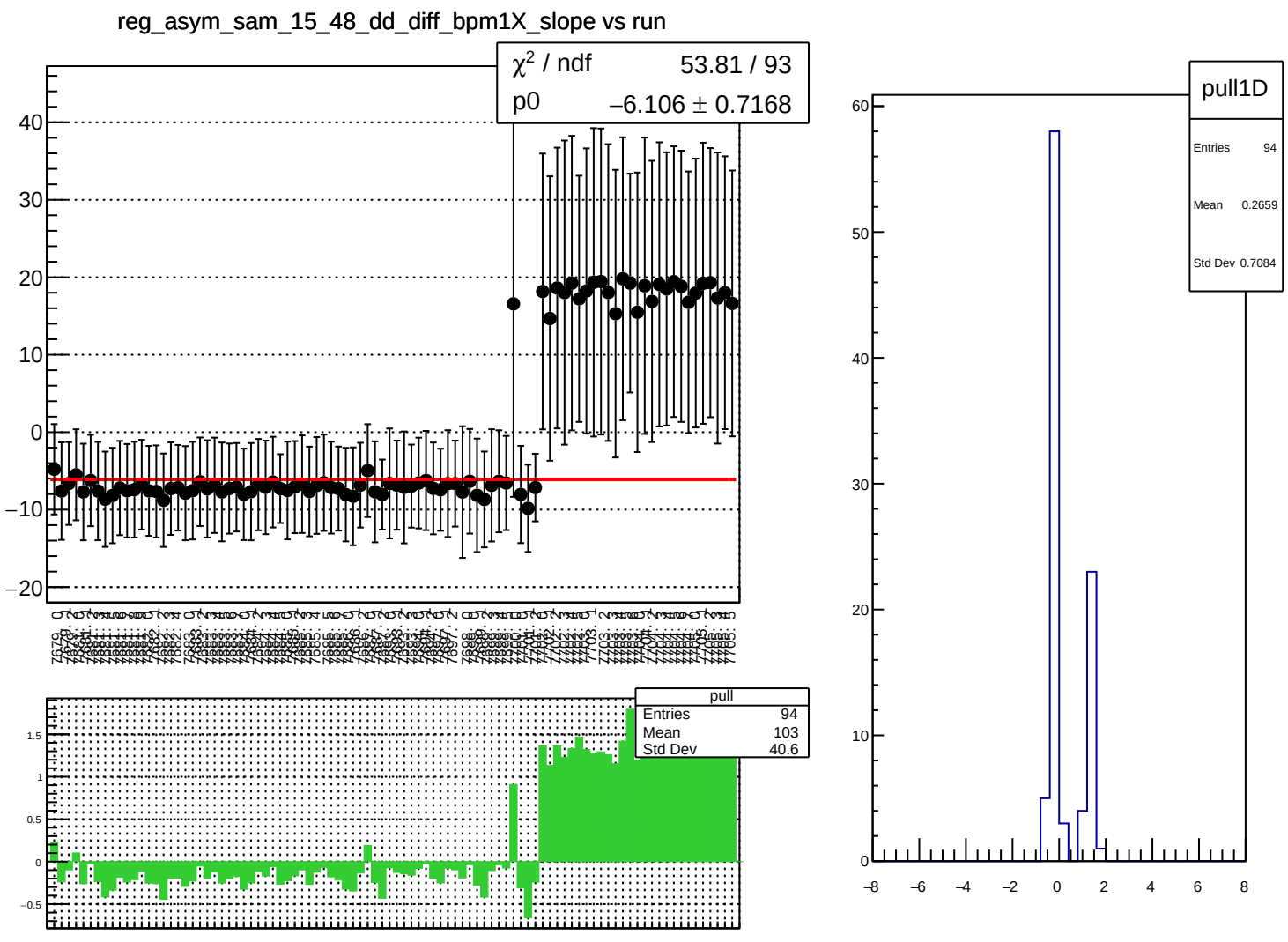

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 111.3 / 93
p0 −77.03 ± 0.7515
pull
Entries 94
Mean 101.8
Std Dev 40.1

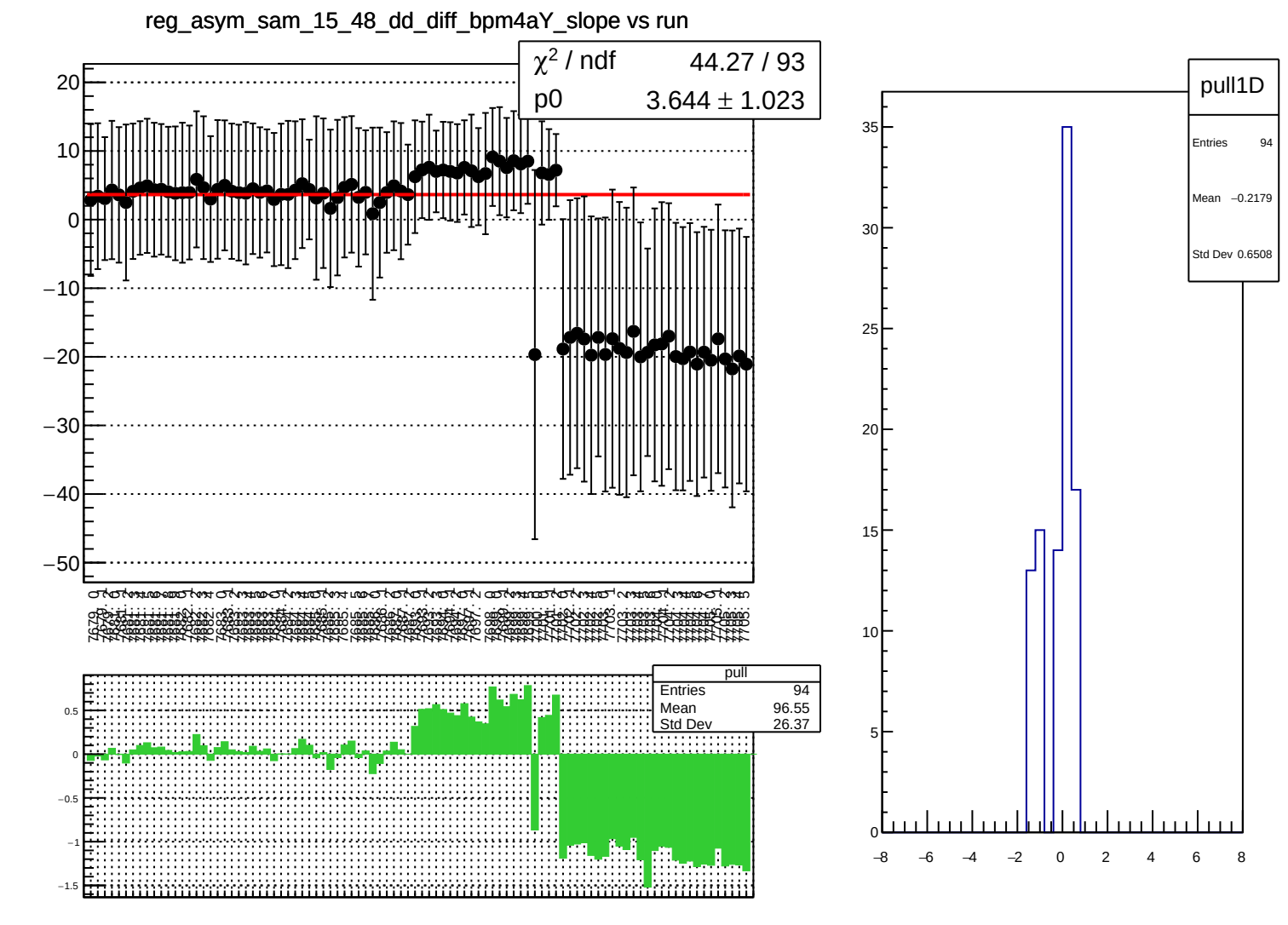

pull1D
Entries 94
Mean 0.397
Std Dev 1.013

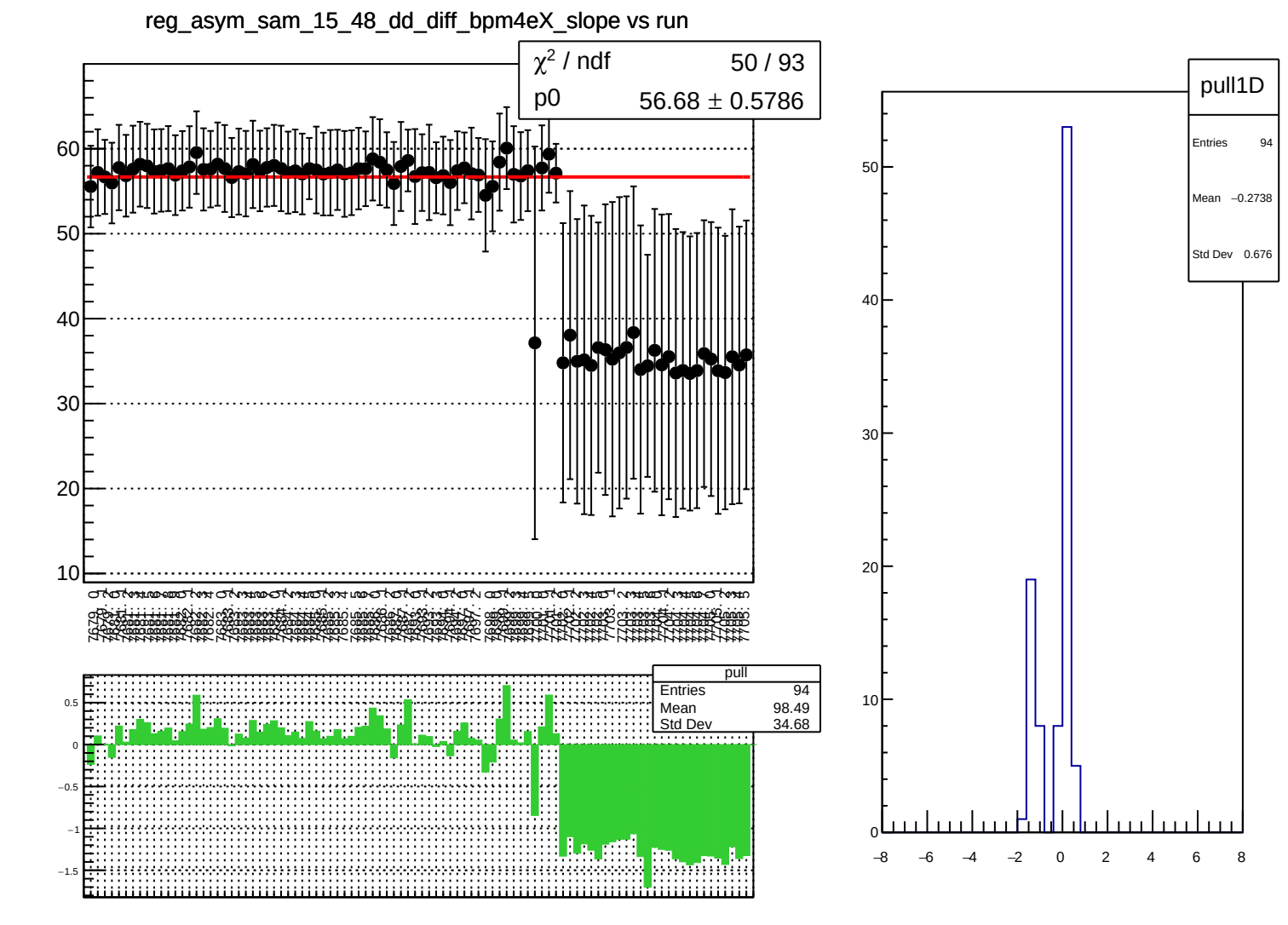

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.559 / 93
p0 −9 ± 1.955
pull
Entries 94
Mean 107.5
Std Dev 47.42

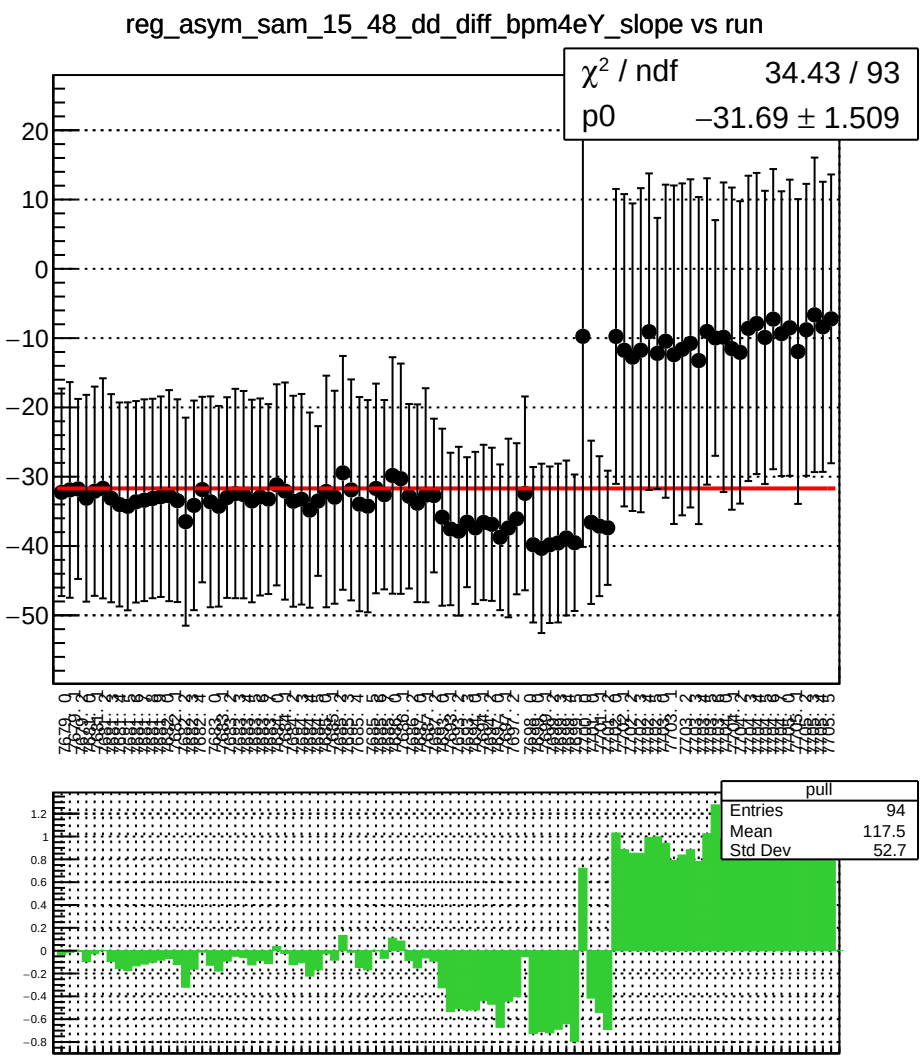

pull1D
Entries 94
Mean 0.03566
Std Dev 0.2173

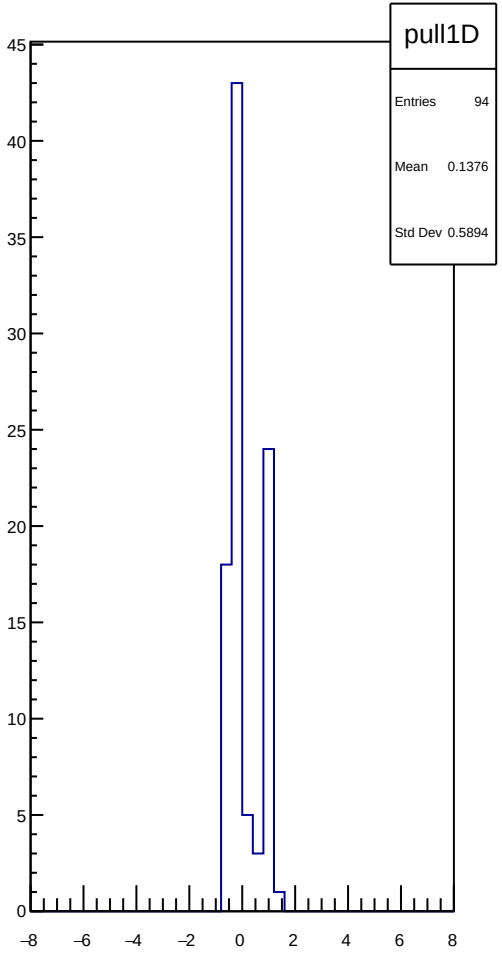

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 16.23 / 93
p0 0.5049 ± 0.09563
pull
Entries 94
Mean −141.1
Std Dev 193.3
pull1D
Entries 94
Mean 0.04283
Std Dev 0.4133

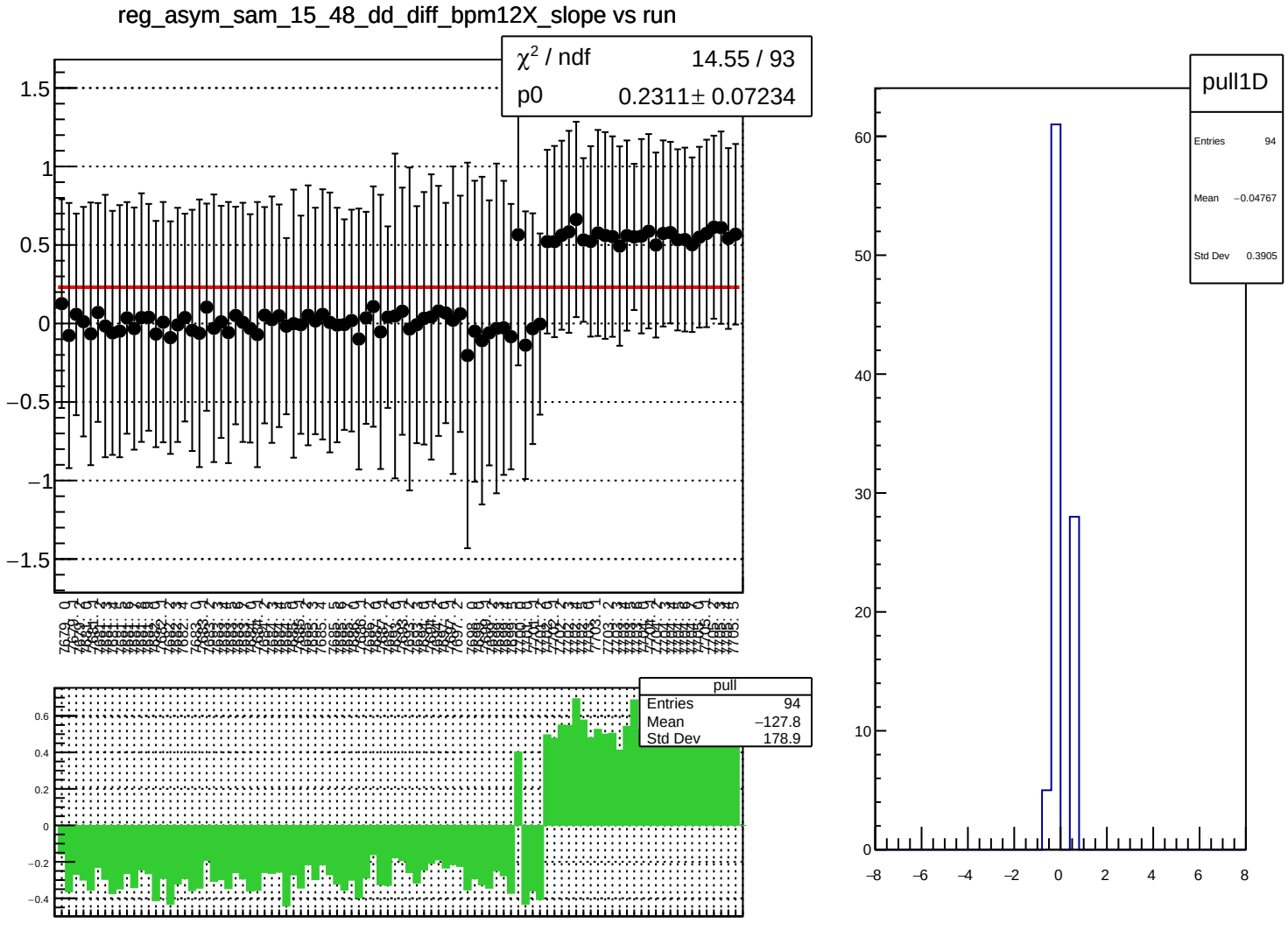

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 53.81 / 93
p0 −6.106 ± 0.7168
pull
Entries 94
Mean 103
Std Dev 40.6
pull1D
Entries 94
Mean 0.2659
Std Dev 0.7084

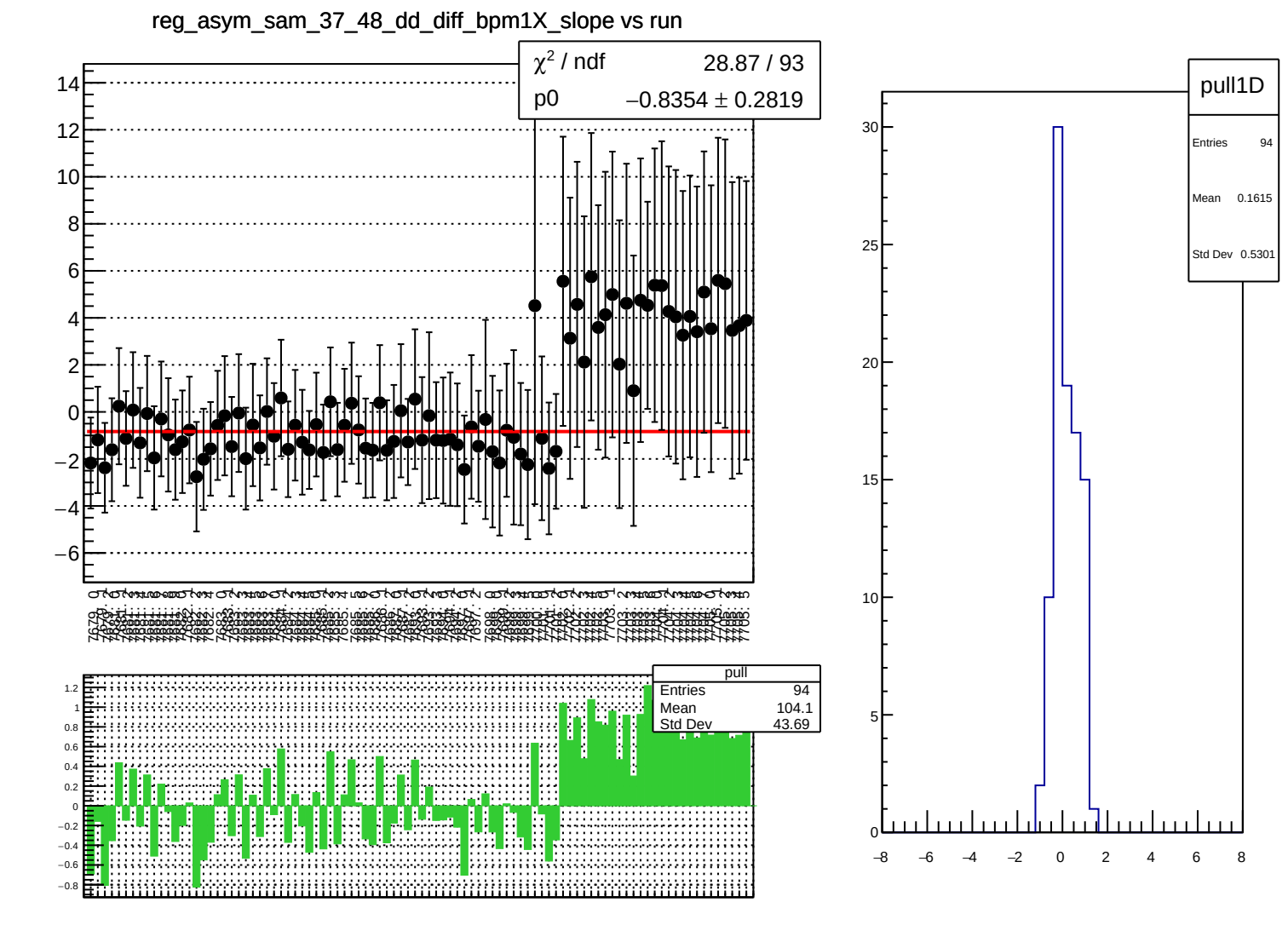

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.27 / 93
p0 3.644 ± 1.023
pull
Entries 94
Mean 96.55
Std Dev 26.37
pull1D
Entries 94
Mean −0.2179
Std Dev 0.6508

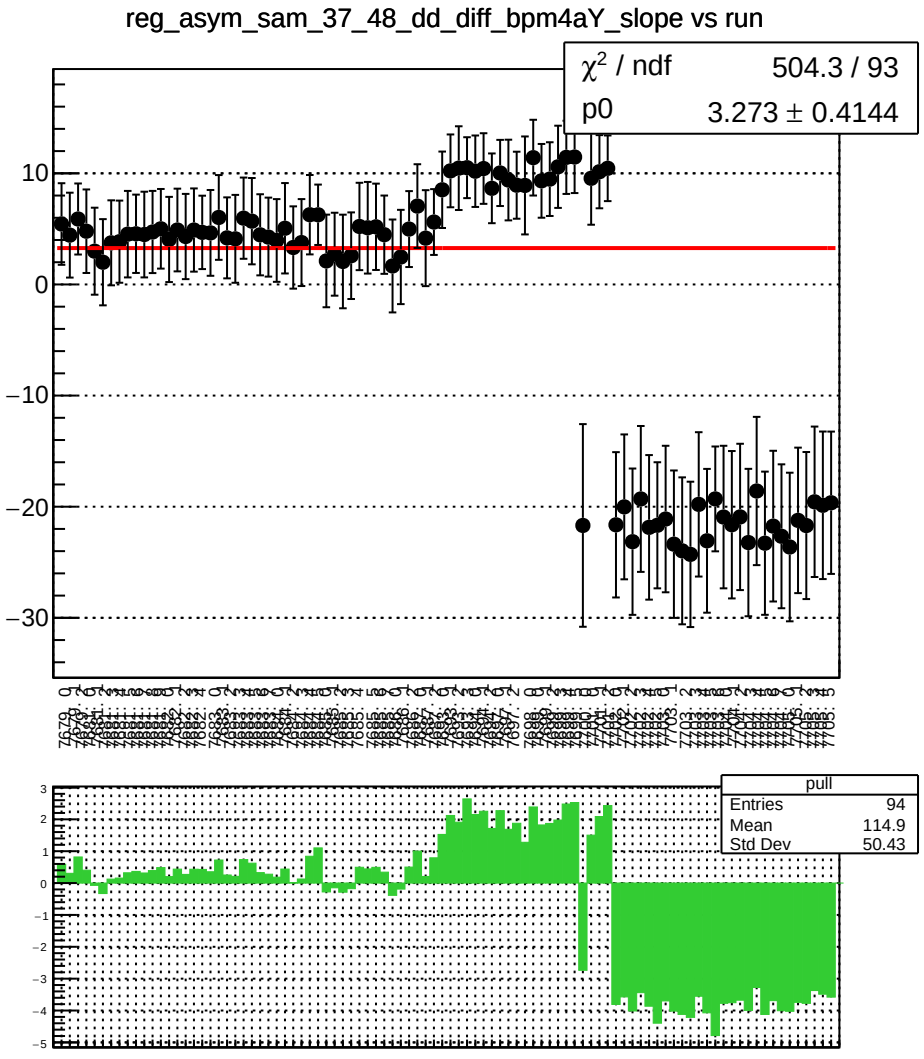

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 50 / 93
p0 56.68 ± 0.5786
pull
Entries 94
Mean 98.49
Std Dev 34.68
pull1D
Entries 94
Mean −0.2738
Std Dev 0.676

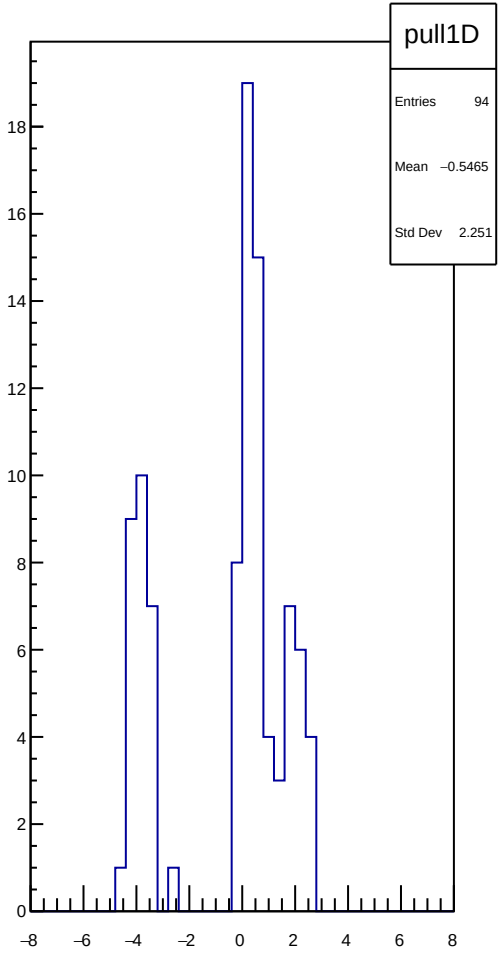

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.43 / 93
p0 −31.69 ± 1.509
pull
Entries 94
Mean 117.5
Std Dev 52.7

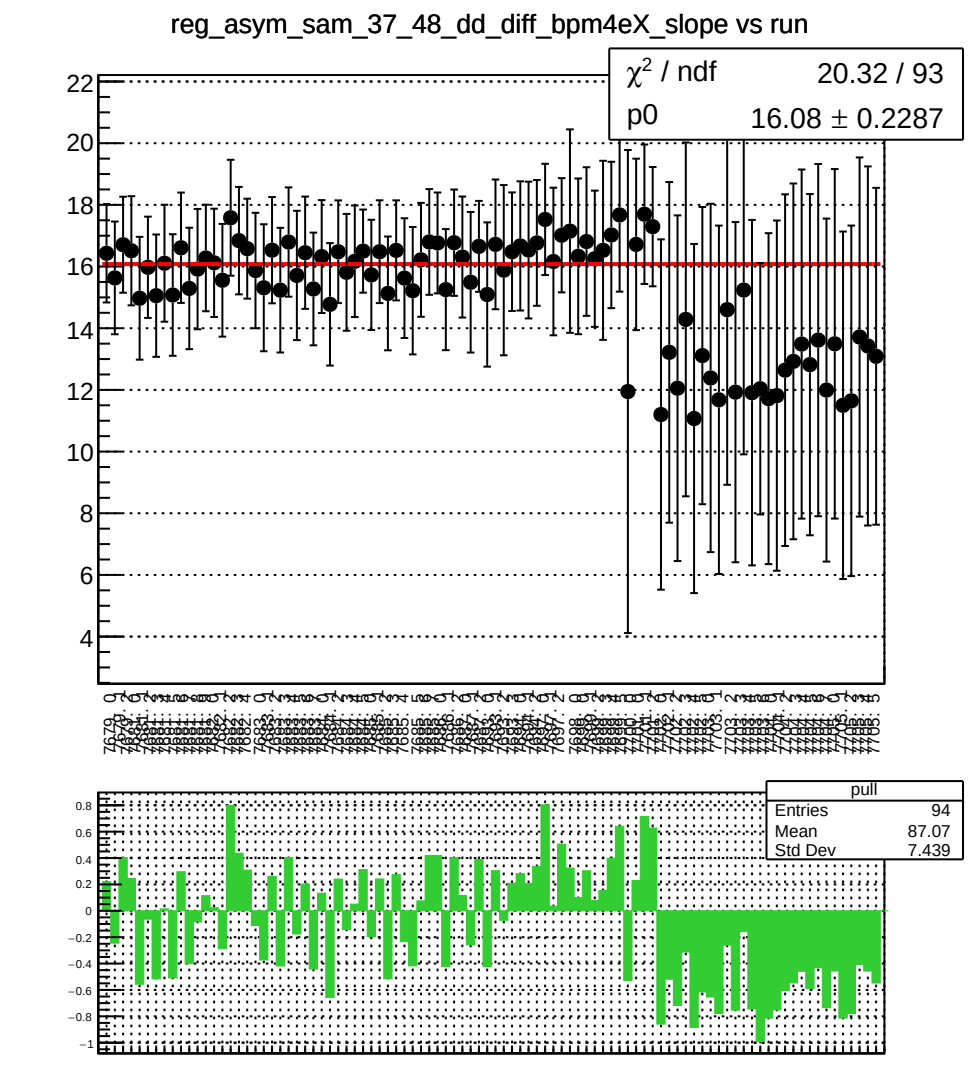

pull1D
Entries 94
Mean 0.1376
Std Dev 0.5894

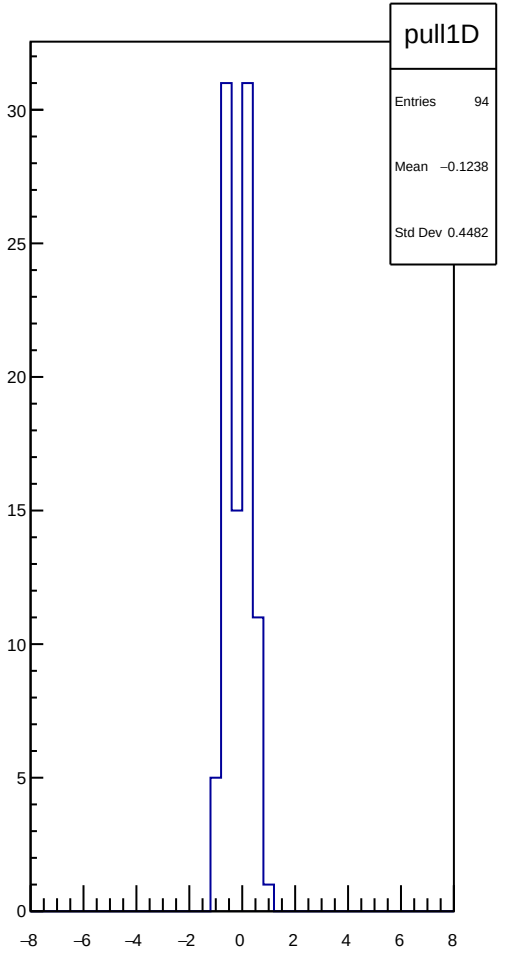

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 14.55 / 93
p0 0.2311± 0.07234
pull
Entries 94
Mean −127.8
Std Dev 178.9
pull1D
Entries 94
Mean −0.04767
Std Dev 0.3905

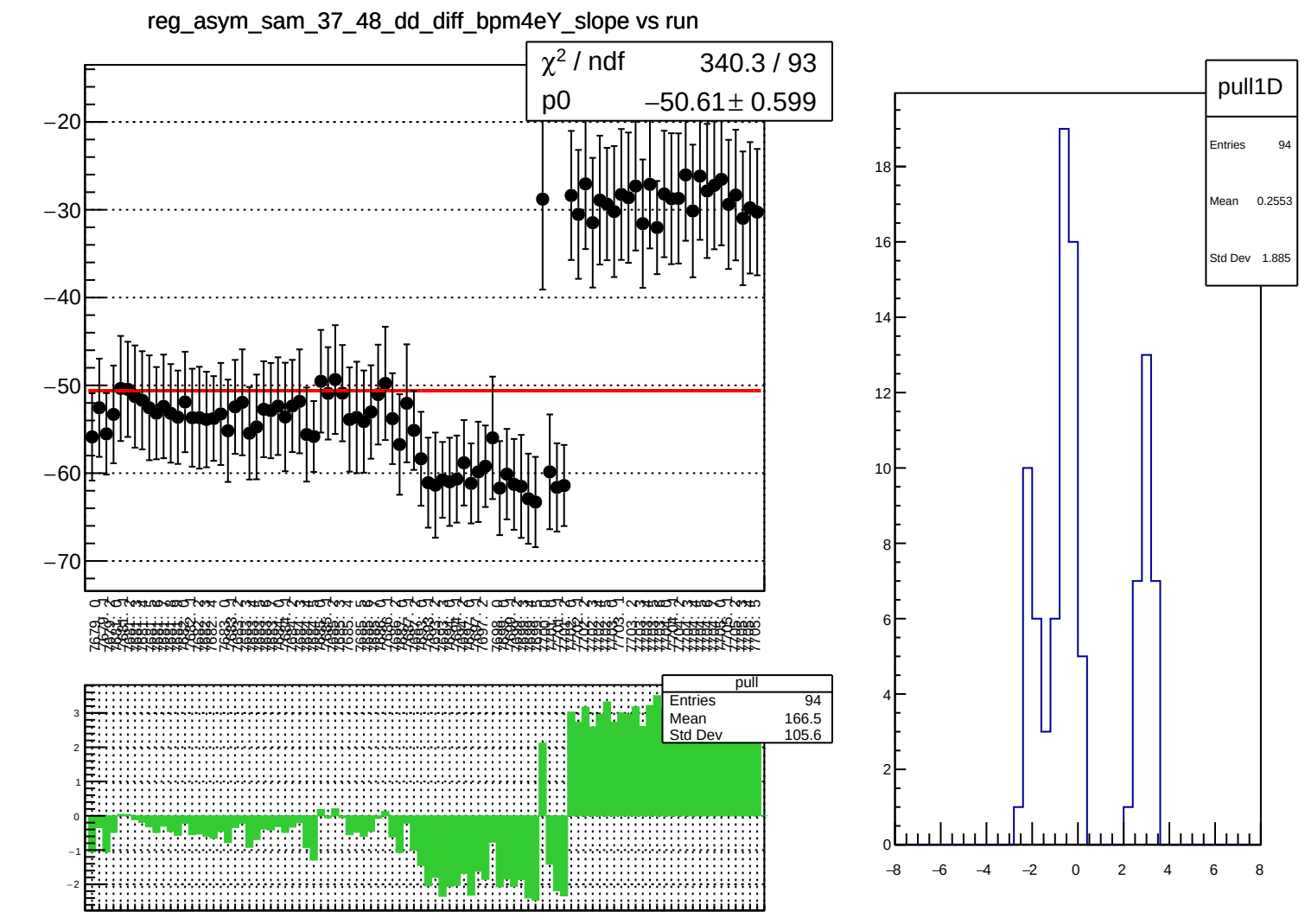

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 28.87 / 93
p0 −0.8354 ± 0.2819
pull
Entries 94
Mean 104.1
Std Dev 43.69
pull1D
Entries 94
Mean 0.1615
Std Dev 0.5301

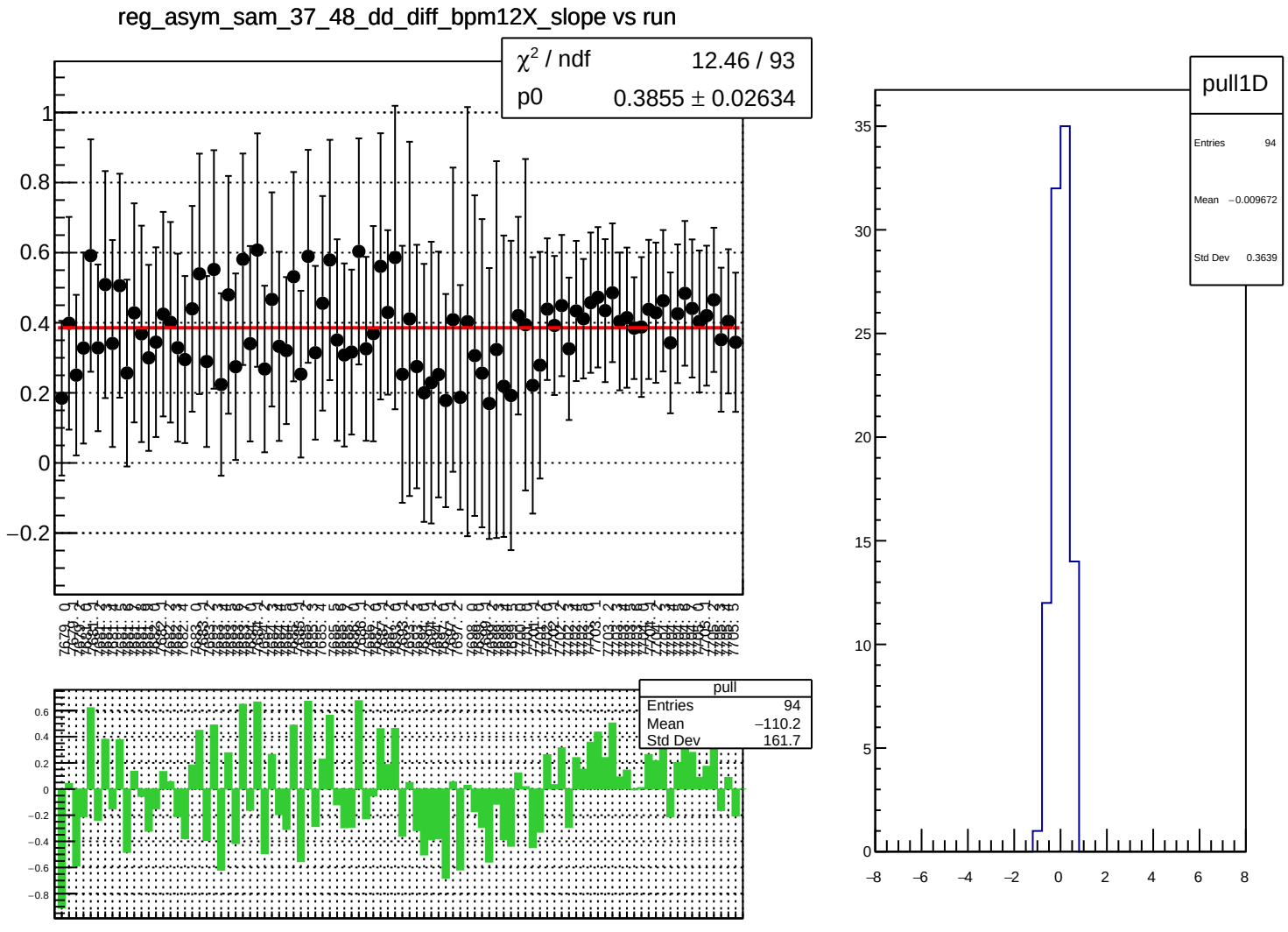

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 504.3 / 93
p0 3.273 ± 0.4144
pull
Entries 94
Mean 114.9
Std Dev 50.43

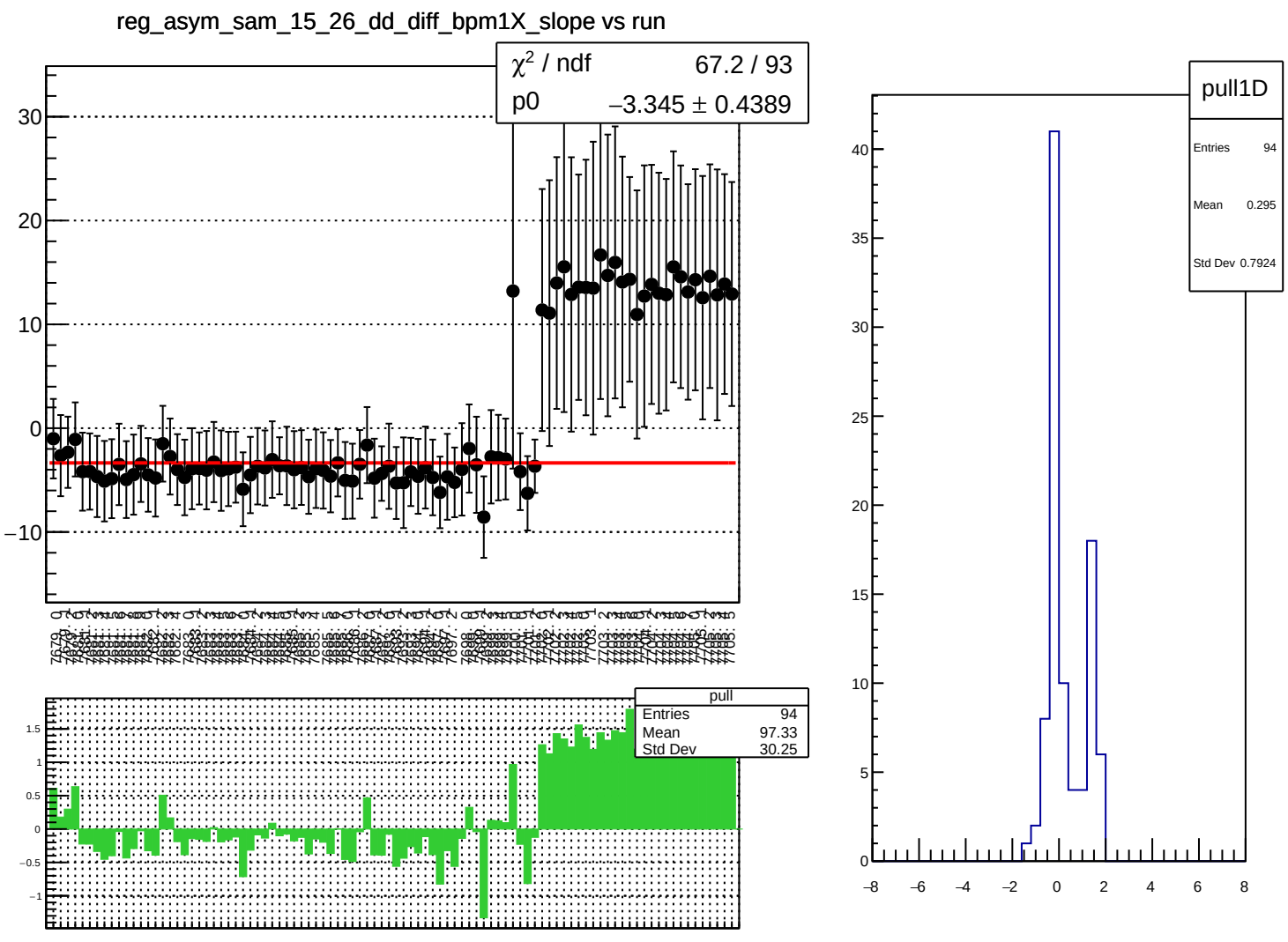

pull1D
Entries 94
Mean −0.5465
Std Dev 2.251

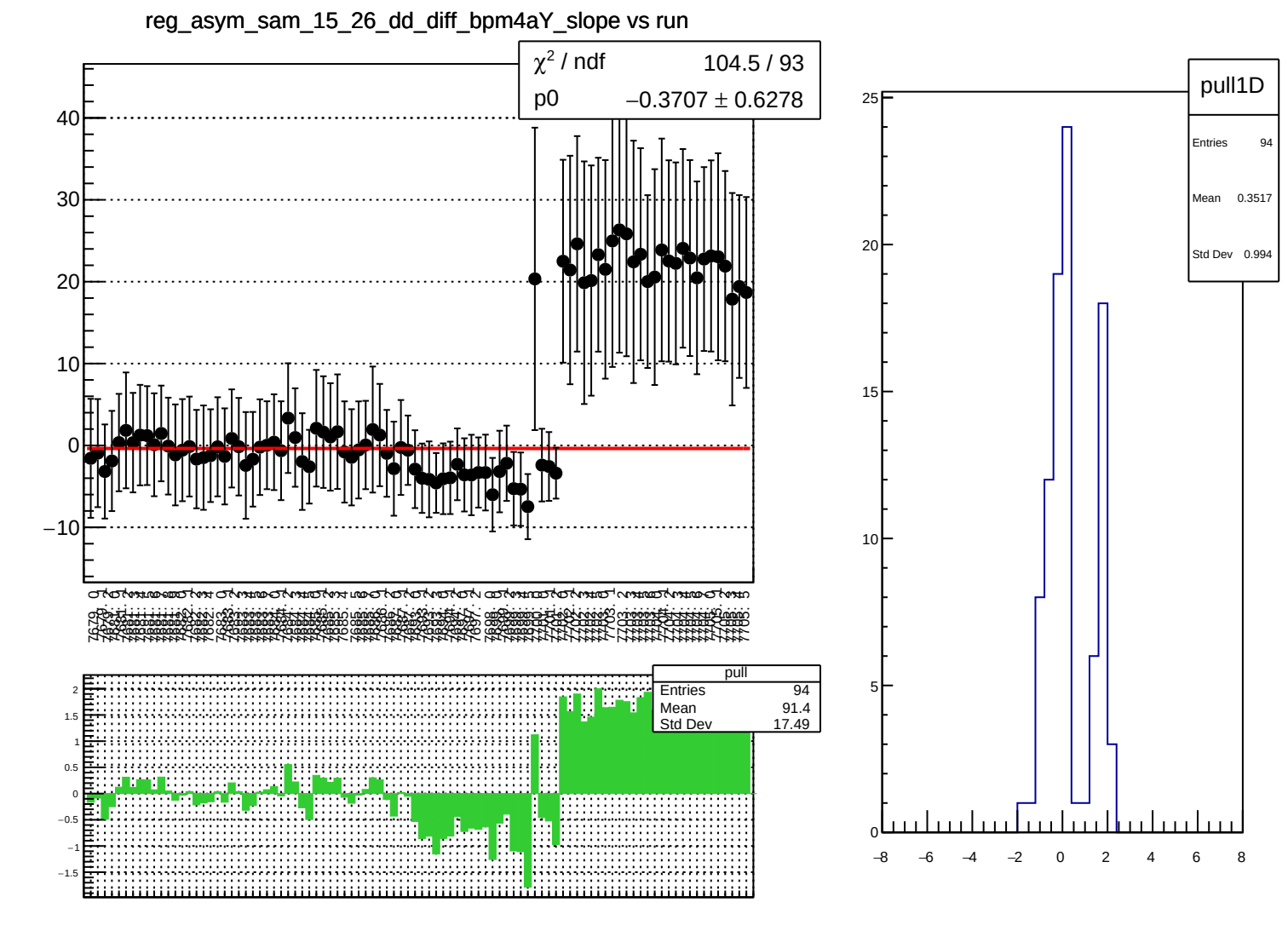

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.32 / 93
p0 16.08 ± 0.2287
pull
Entries 94
Mean 87.07
Std Dev 7.439

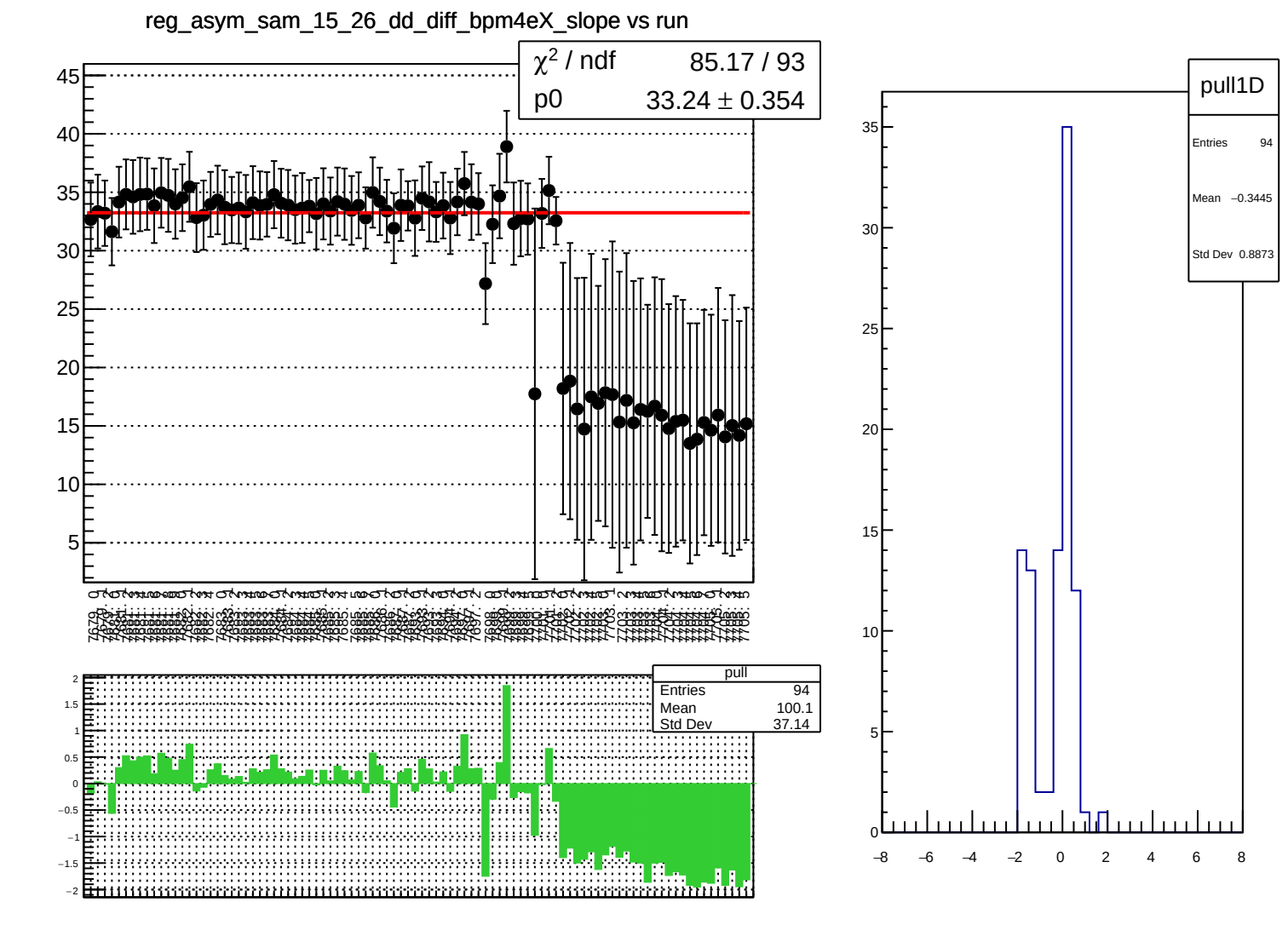

pull1D
Entries 94
Mean −0.1238
Std Dev 0.4482

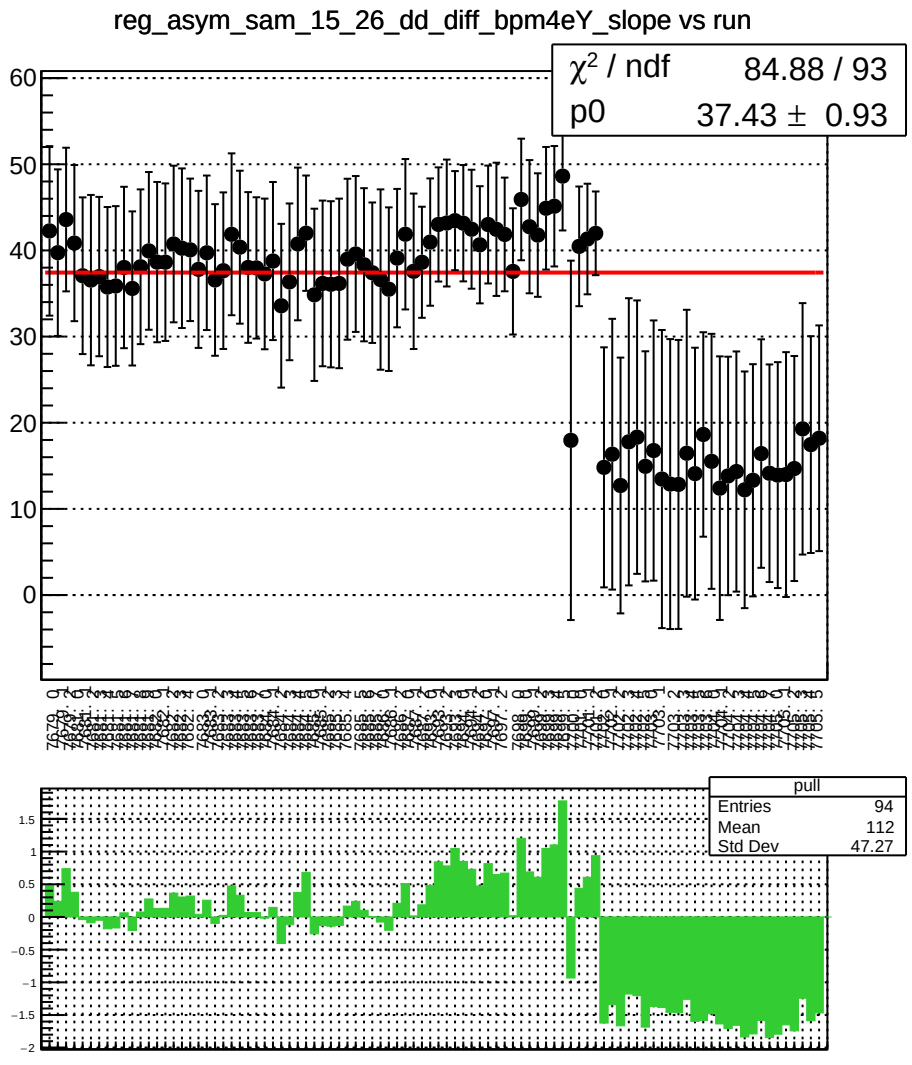

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 340.3 / 93
p0 −50.61 ± 0.599
pull
Entries 94
Mean 166.5
Std Dev 105.6
pull1D
Entries 94
Mean 0.2553
Std Dev 1.885

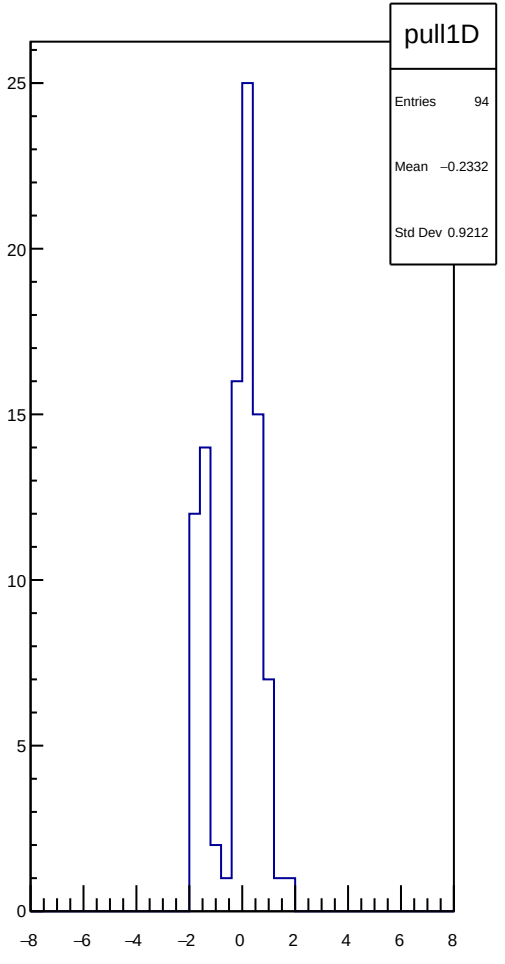

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.46 / 93
p0 0.3855 ± 0.02634
pull
Entries 94
Mean −110.2
Std Dev 161.7
pull1D
Entries 94
Mean −0.009672
Std Dev 0.3639

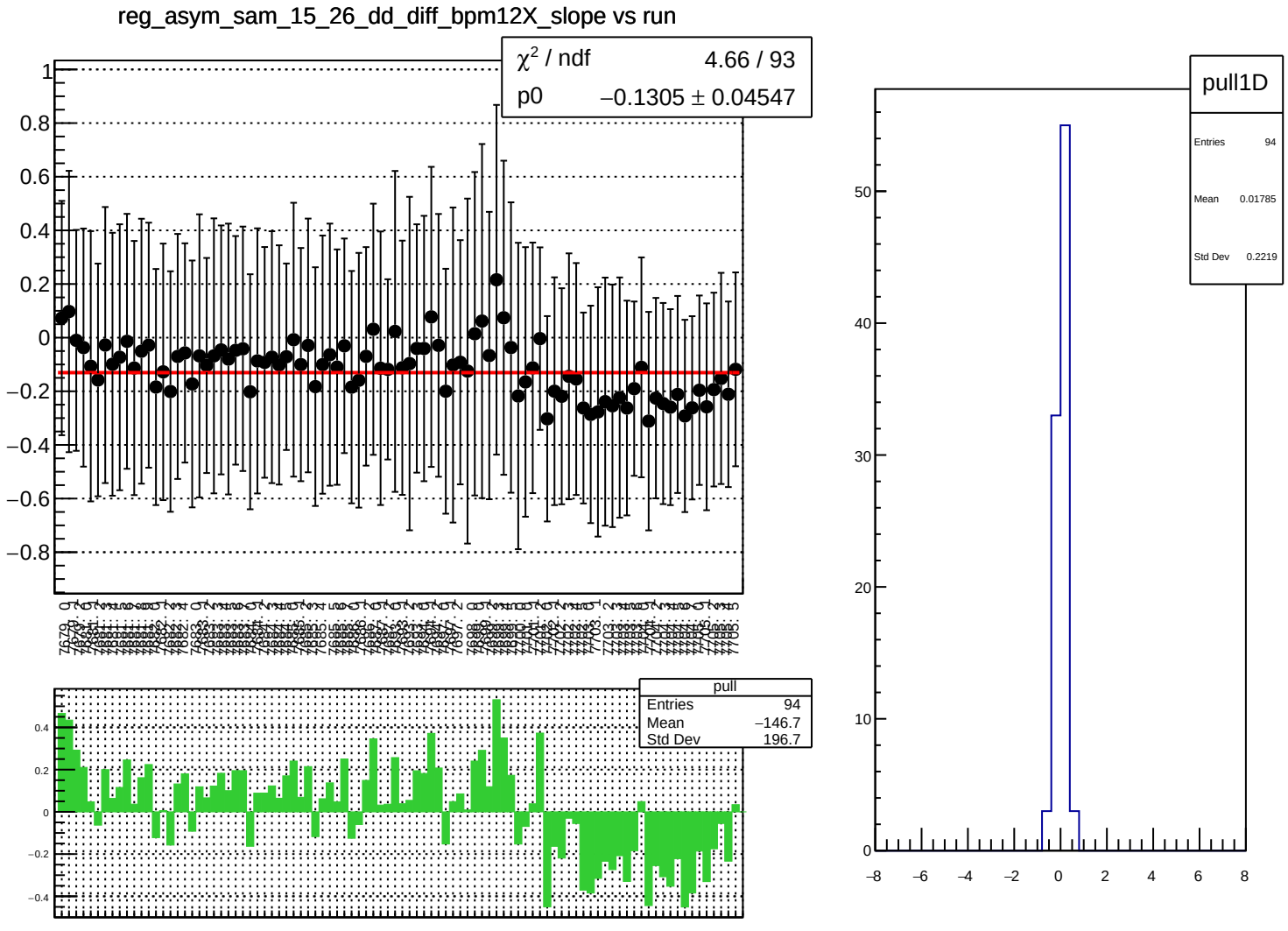

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 67.2 / 93
p0 −3.345 ± 0.4389
30
20
10
0
−10
pull
Entries 94
Mean 97.33
Std Dev 30.25
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 94
Mean 0.295
Std Dev 0.7924
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

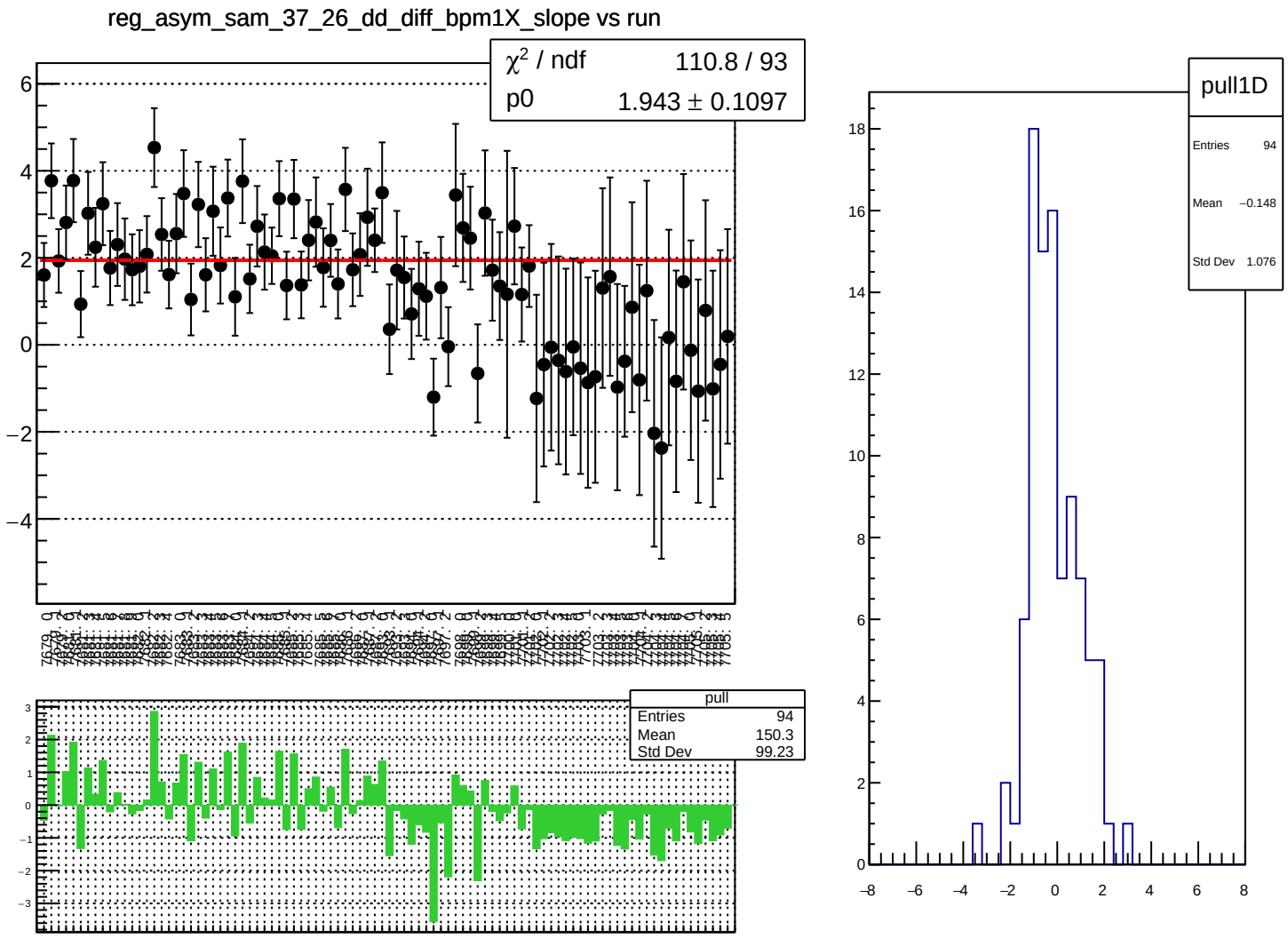

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 104.5 / 93
p0 −0.3707 ± 0.6278
pull
Entries 94
Mean 91.4
Std Dev 17.49
pull1D
Entries 94
Mean 0.3517
Std Dev 0.994

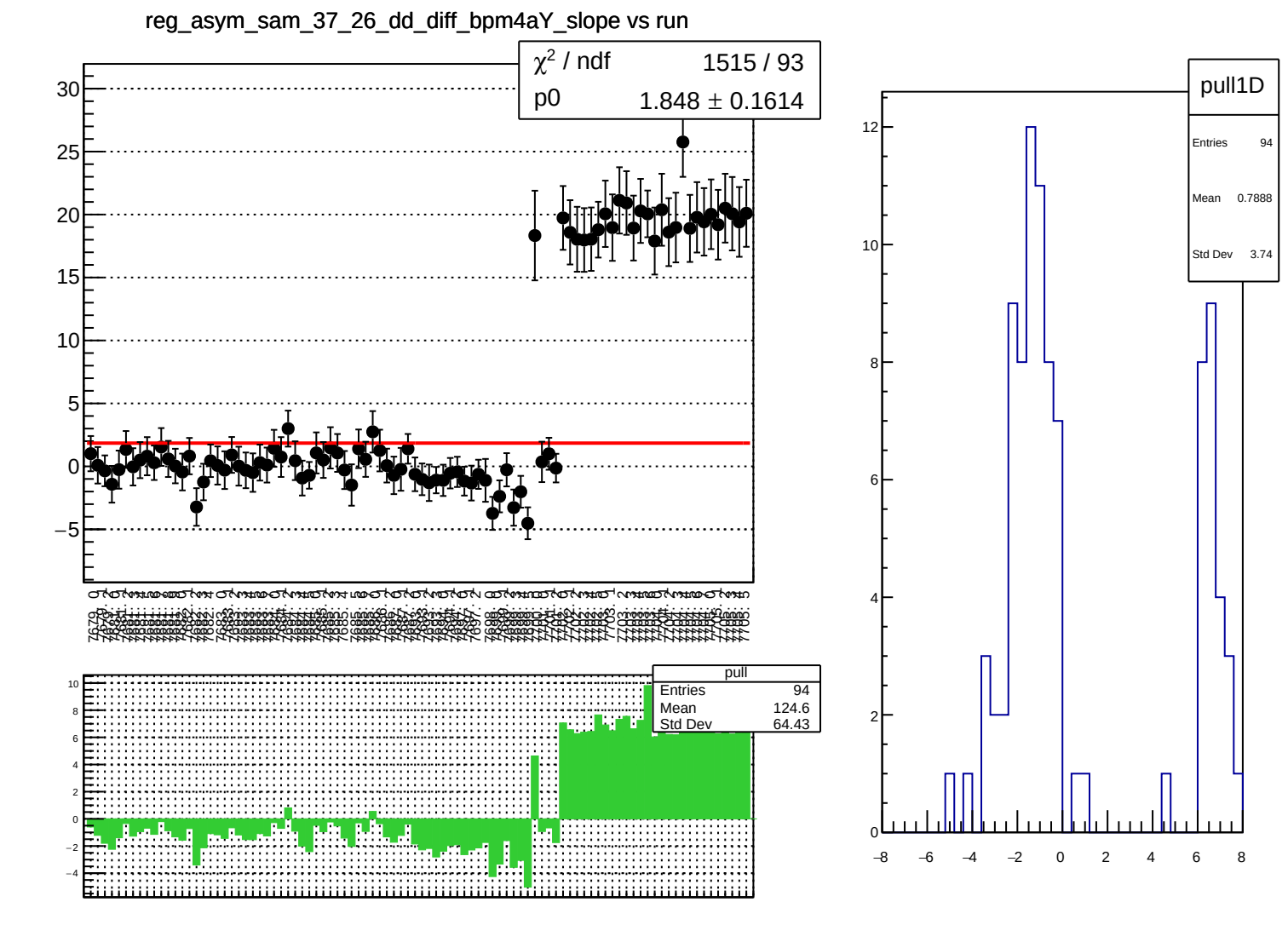

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.17 / 93
p0 33.24 ± 0.354
pull
Entries 94
Mean 100.1
Std Dev 37.14
pull1D
Entries 94
Mean −0.3445
Std Dev 0.8873

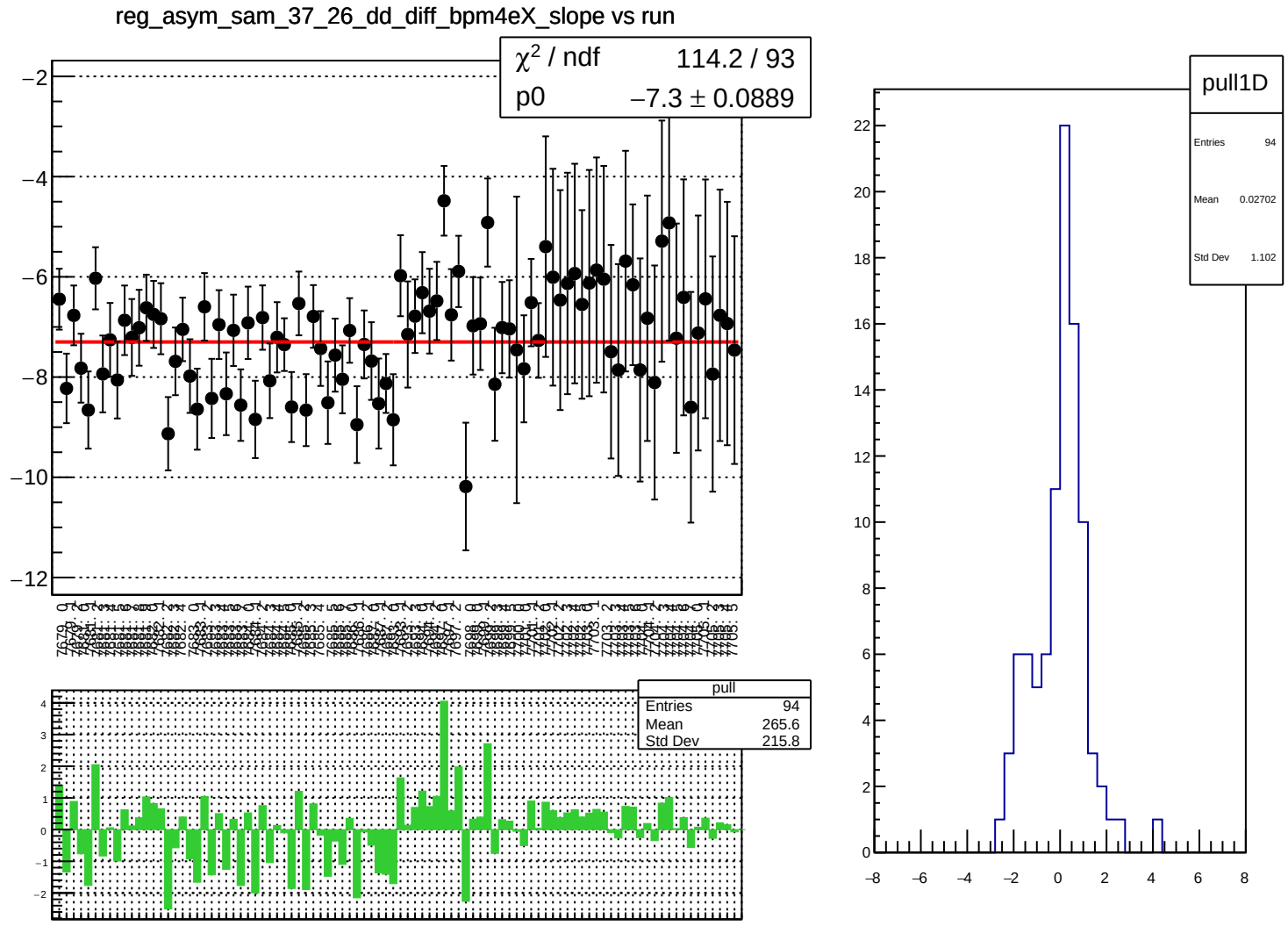

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.88 / 93
p0 37.43 ± 0.93
pull
Entries 94
Mean 112
Std Dev 47.27

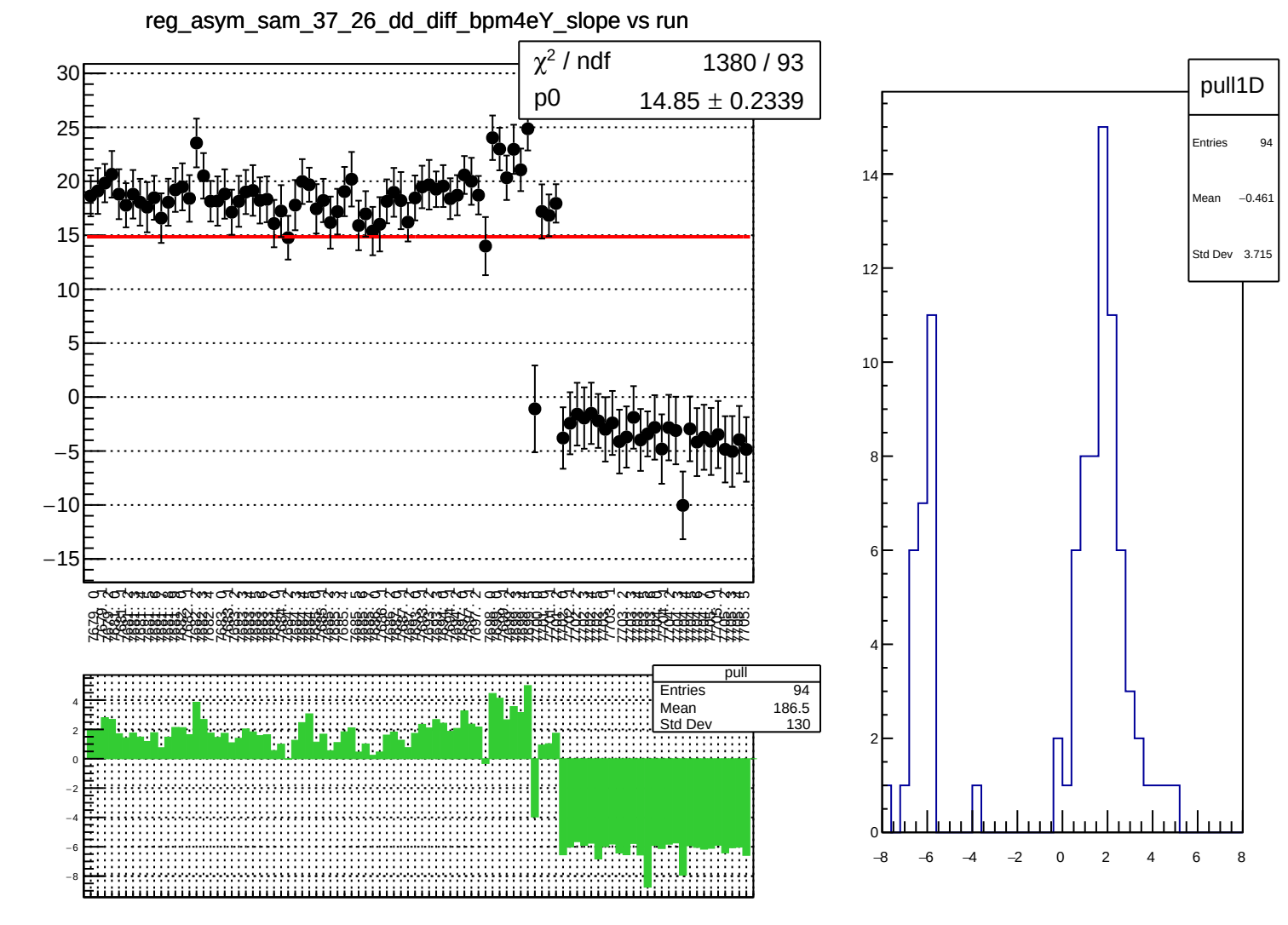

pull1D
Entries 94
Mean −0.2332
Std Dev 0.9212

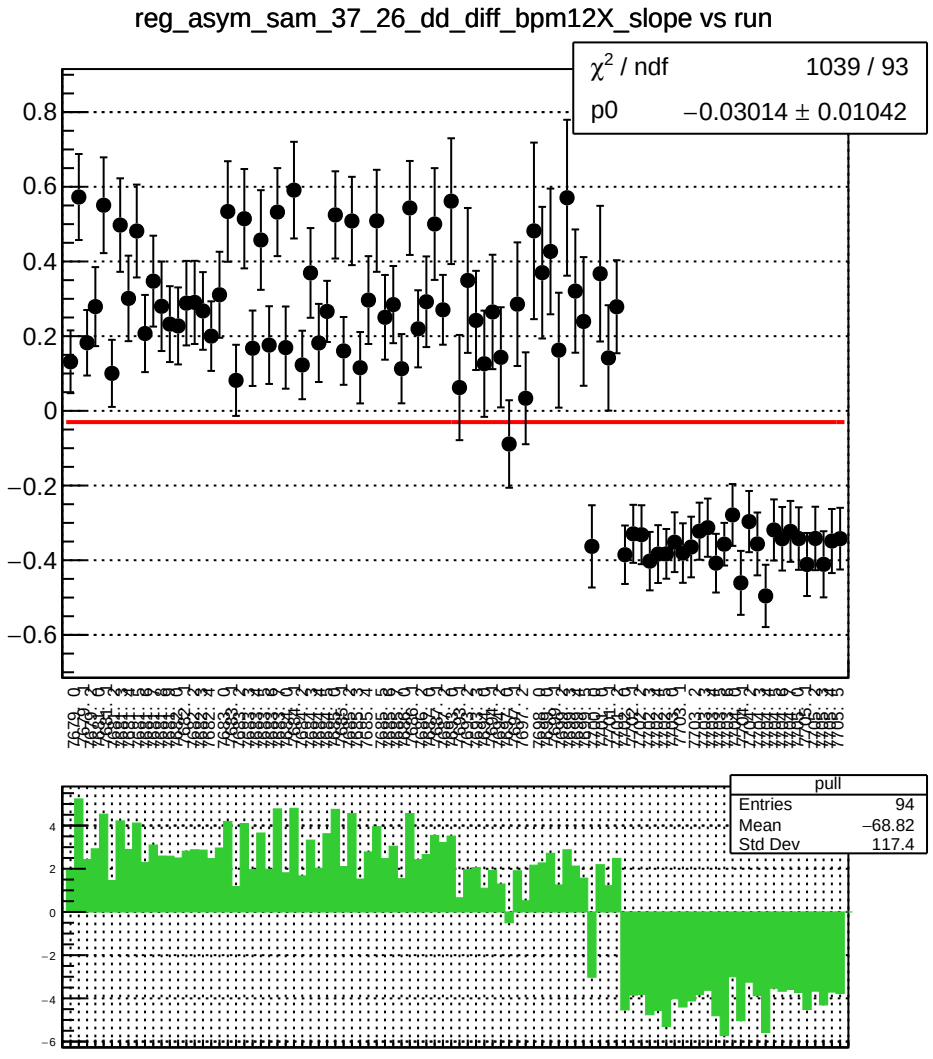

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.66 / 93
p0 −0.1305 ± 0.04547
pull
Entries 94
Mean −146.7
Std Dev 196.7
pull1D
Entries 94
Mean 0.01785
Std Dev 0.2219

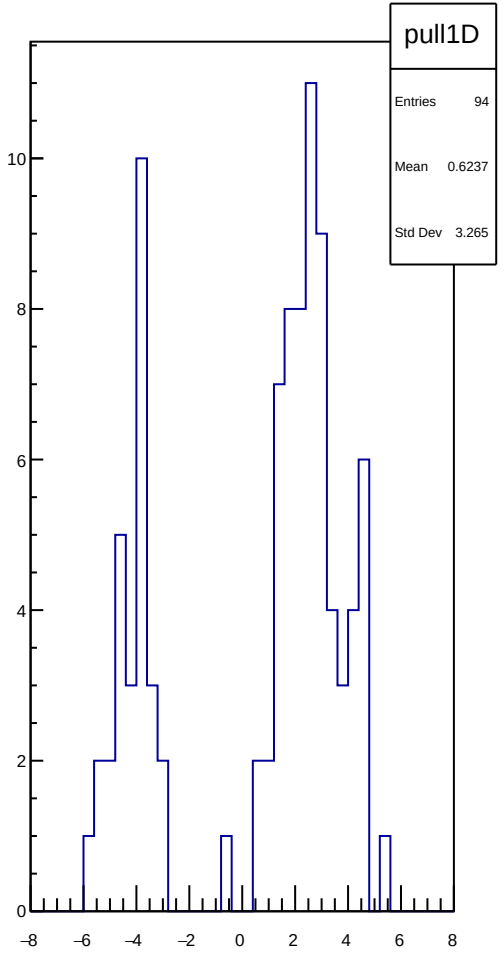

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 110.8 / 93
p0 1.943 ± 0.1097
pull
Entries 94
Mean 150.3
Std Dev 99.23
pull1D
Entries 94
Mean −0.148
Std Dev 1.076

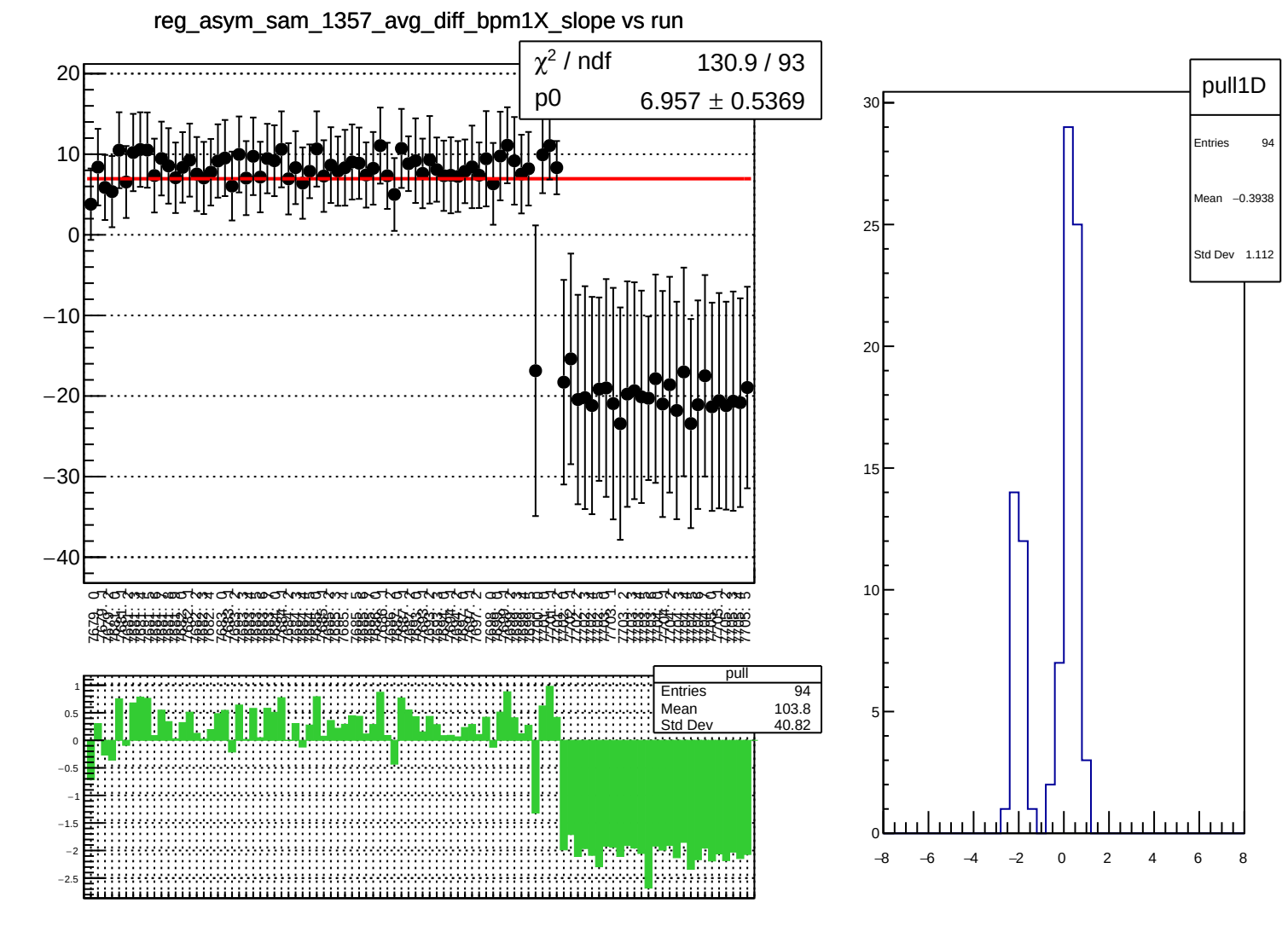

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1515 / 93
p0 1.848 ± 0.1614
pull
Entries 94
Mean 124.6
Std Dev 64.43
pull1D
Entries 94
Mean 0.7888
Std Dev 3.74

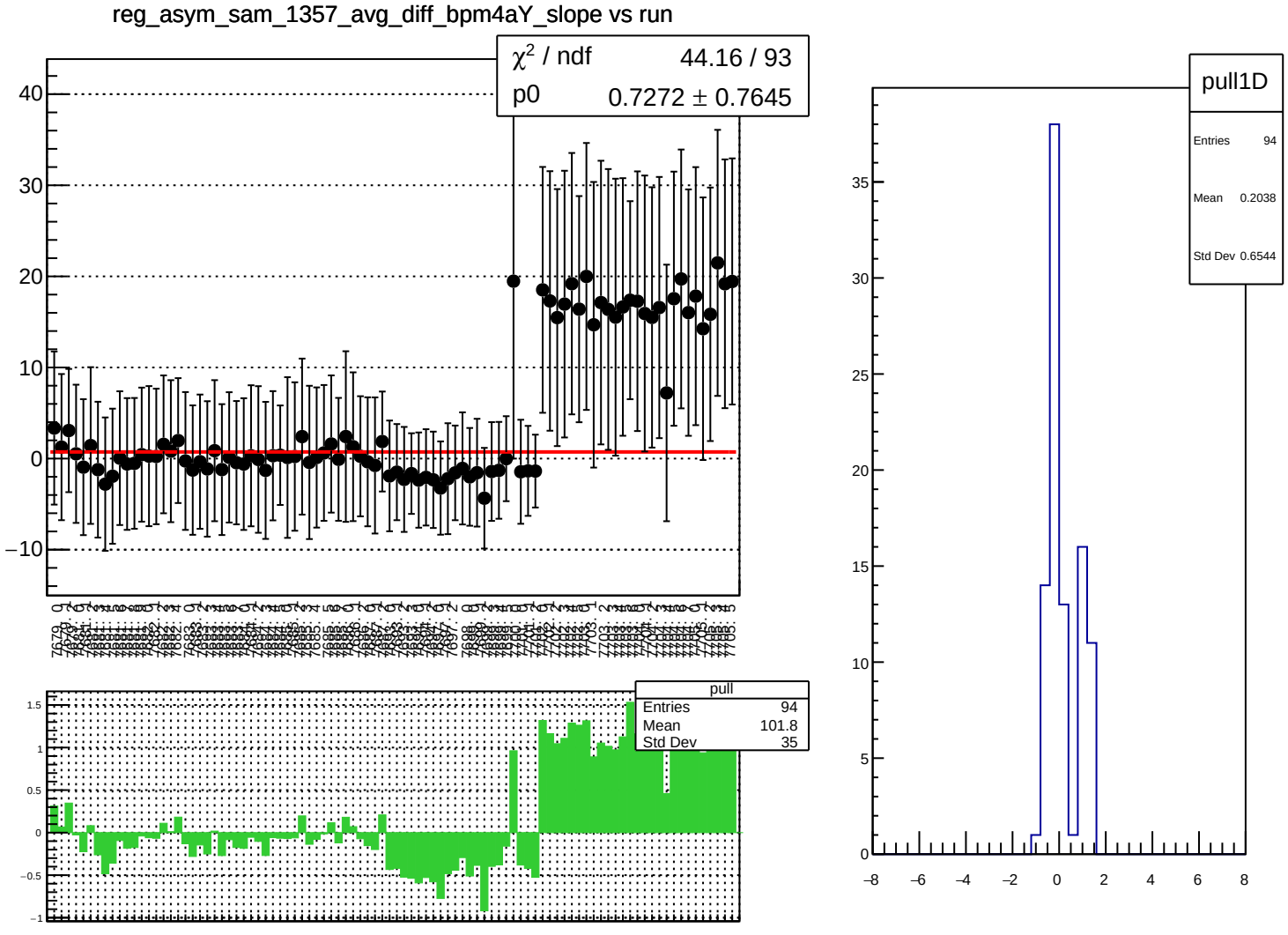

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 114.2 / 93
p0 −7.3 ± 0.0889
pull
Entries 94
Mean 265.6
Std Dev 215.8
pull1D
Entries 94
Mean 0.02702
Std Dev 1.102

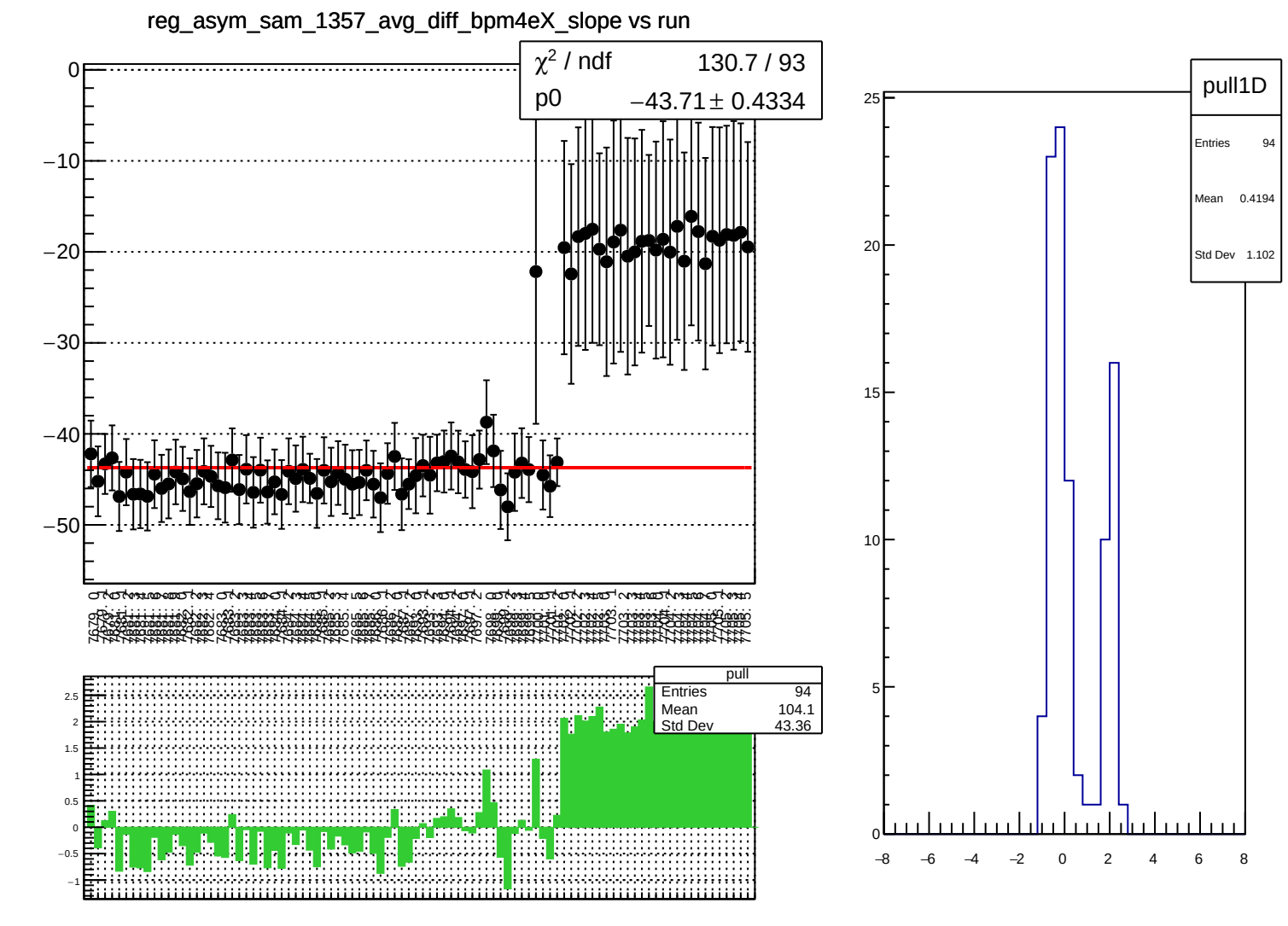

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1380 / 93
p0 14.85 ± 0.2339
pull
Entries 94
Mean 186.5
Std Dev 130
pull1D
Entries 94
Mean −0.461
Std Dev 3.715

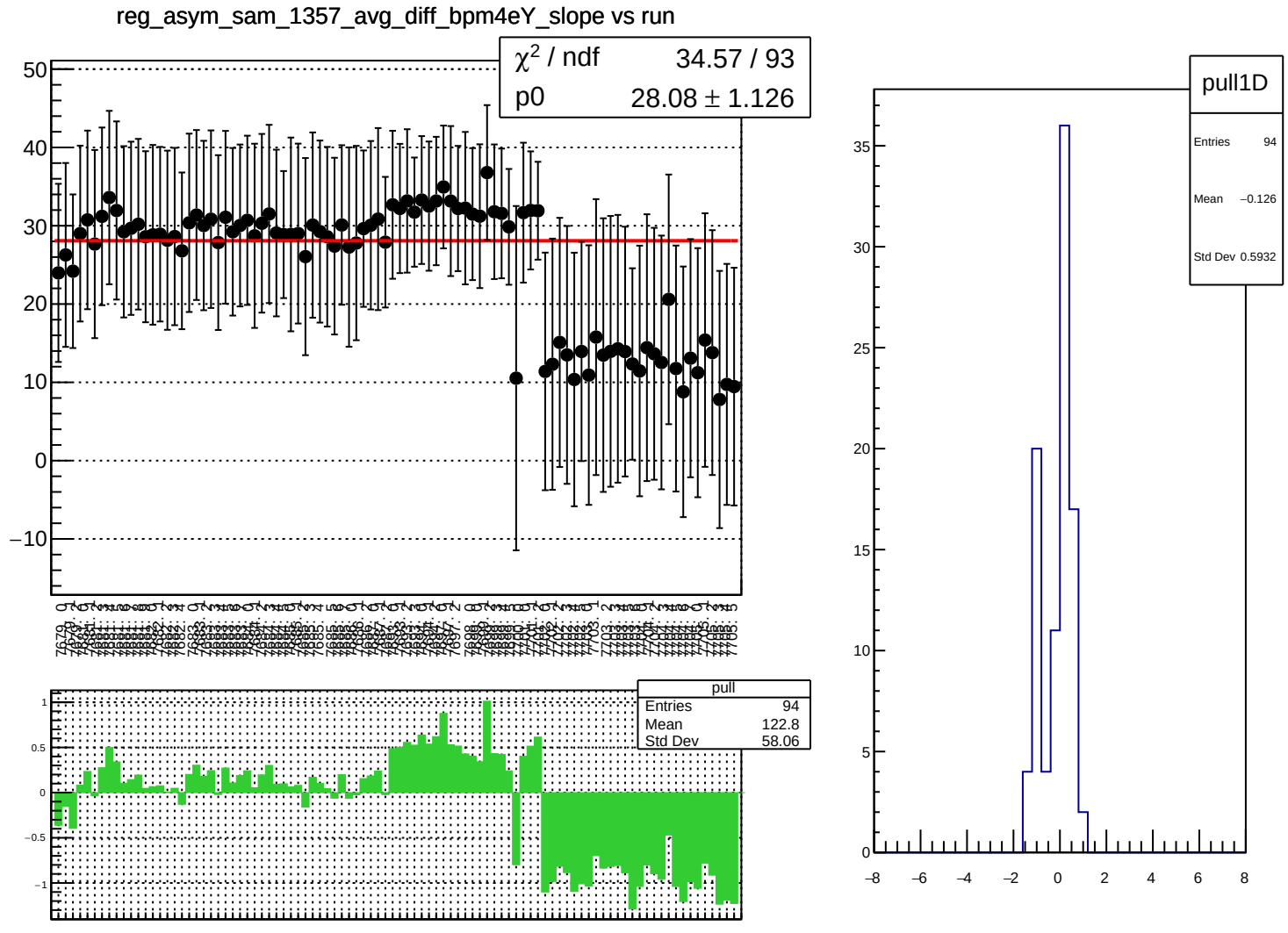

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1039 / 93
p0 −0.03014 ± 0.01042
pull
Entries 94
Mean −68.82
Std Dev 117.4

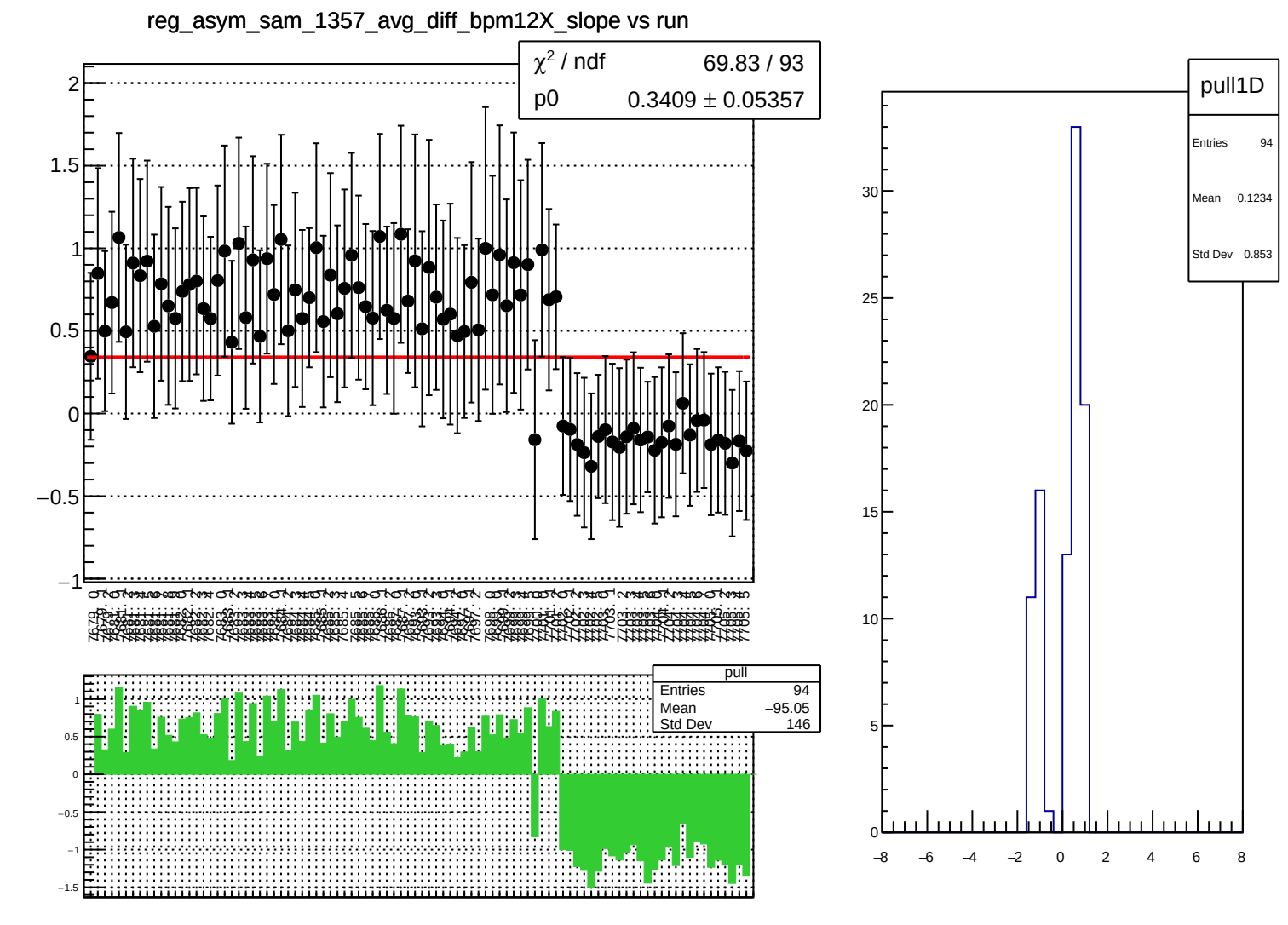

pull1D
Entries 94
Mean 0.6237
Std Dev 3.265

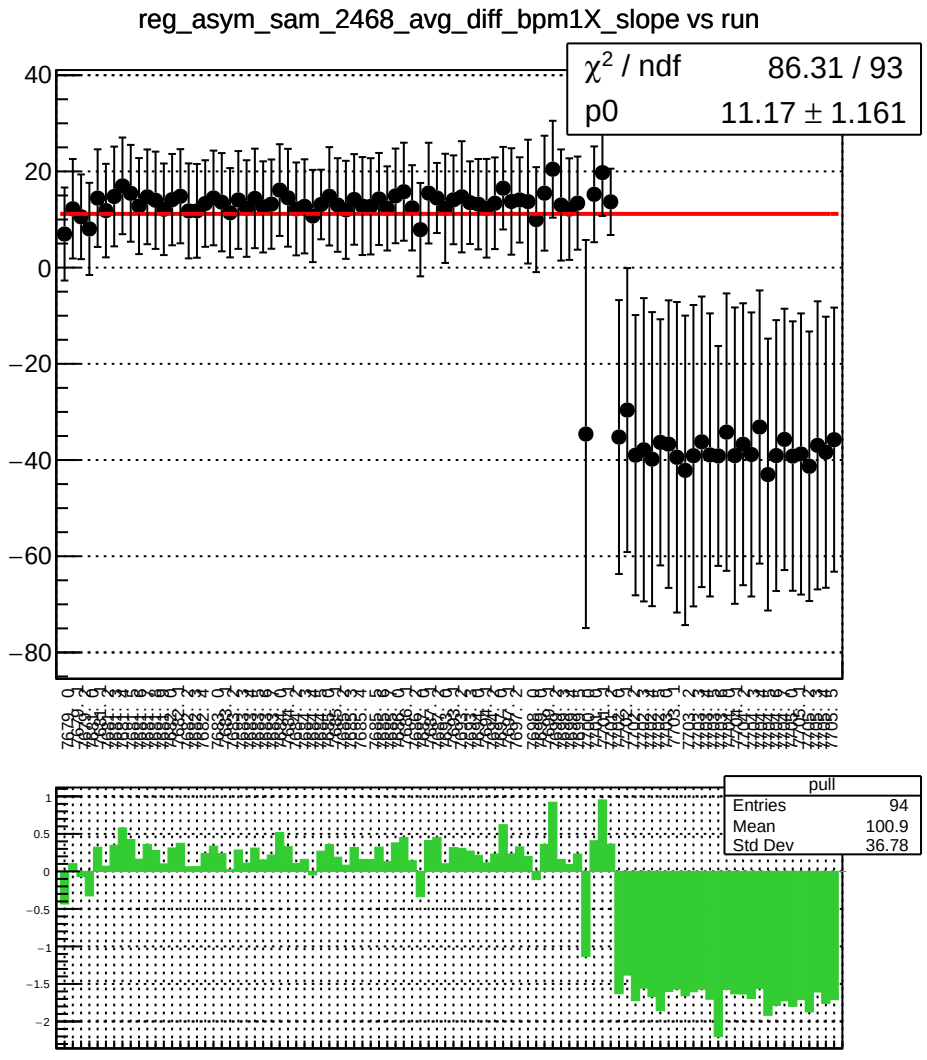

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 130.9 / 93
p0 6.957 ± 0.5369
pull
Entries 94
Mean 103.8
Std Dev 40.82
pull1D
Entries 94
Mean −0.3938
Std Dev 1.112

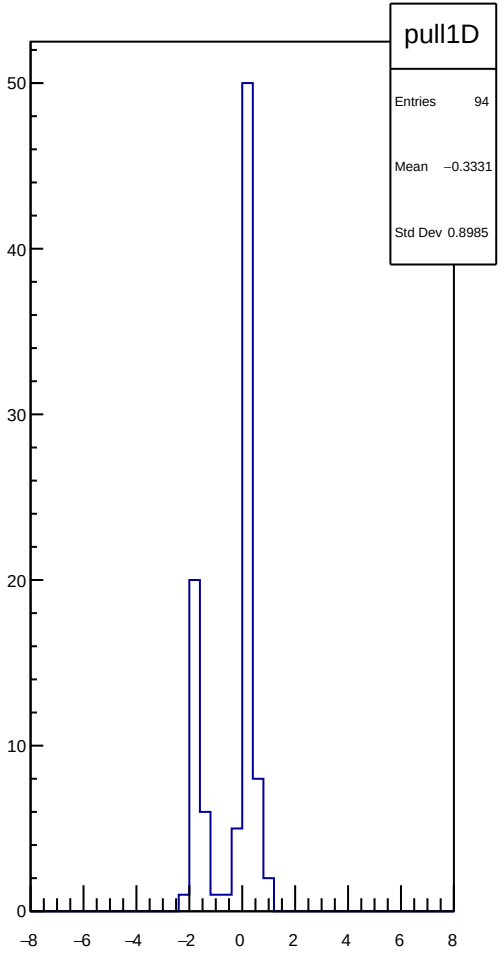

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.16 / 93
p0 0.7272 ± 0.7645
pull
Entries 94
Mean 101.8
Std Dev 35
pull1D
Entries 94
Mean 0.2038
Std Dev 0.6544

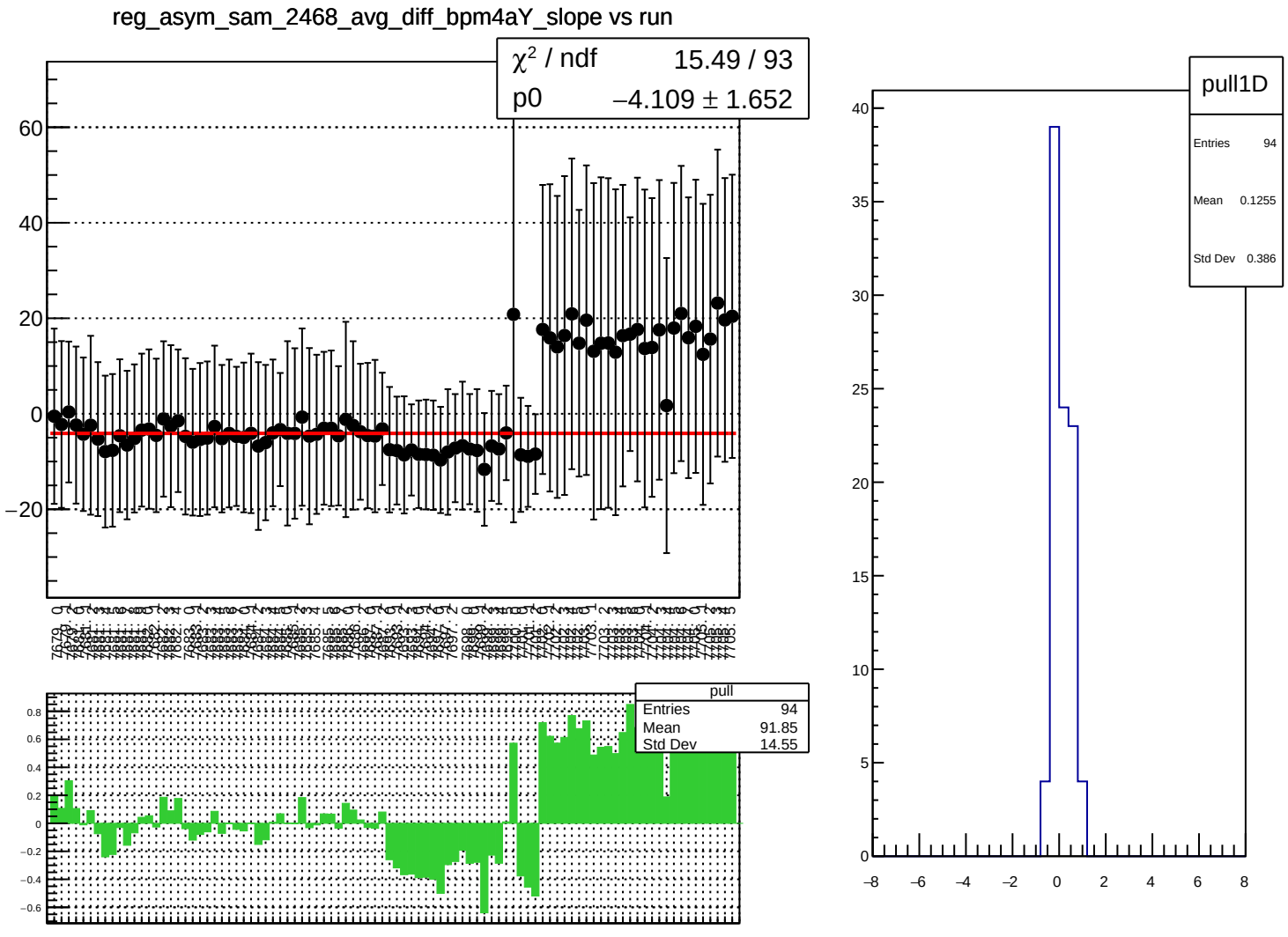

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 130.7 / 93
p0 −43.71 ± 0.4334
pull
Entries 94
Mean 104.1
Std Dev 43.36
pull1D
Entries 94
Mean 0.4194
Std Dev 1.102

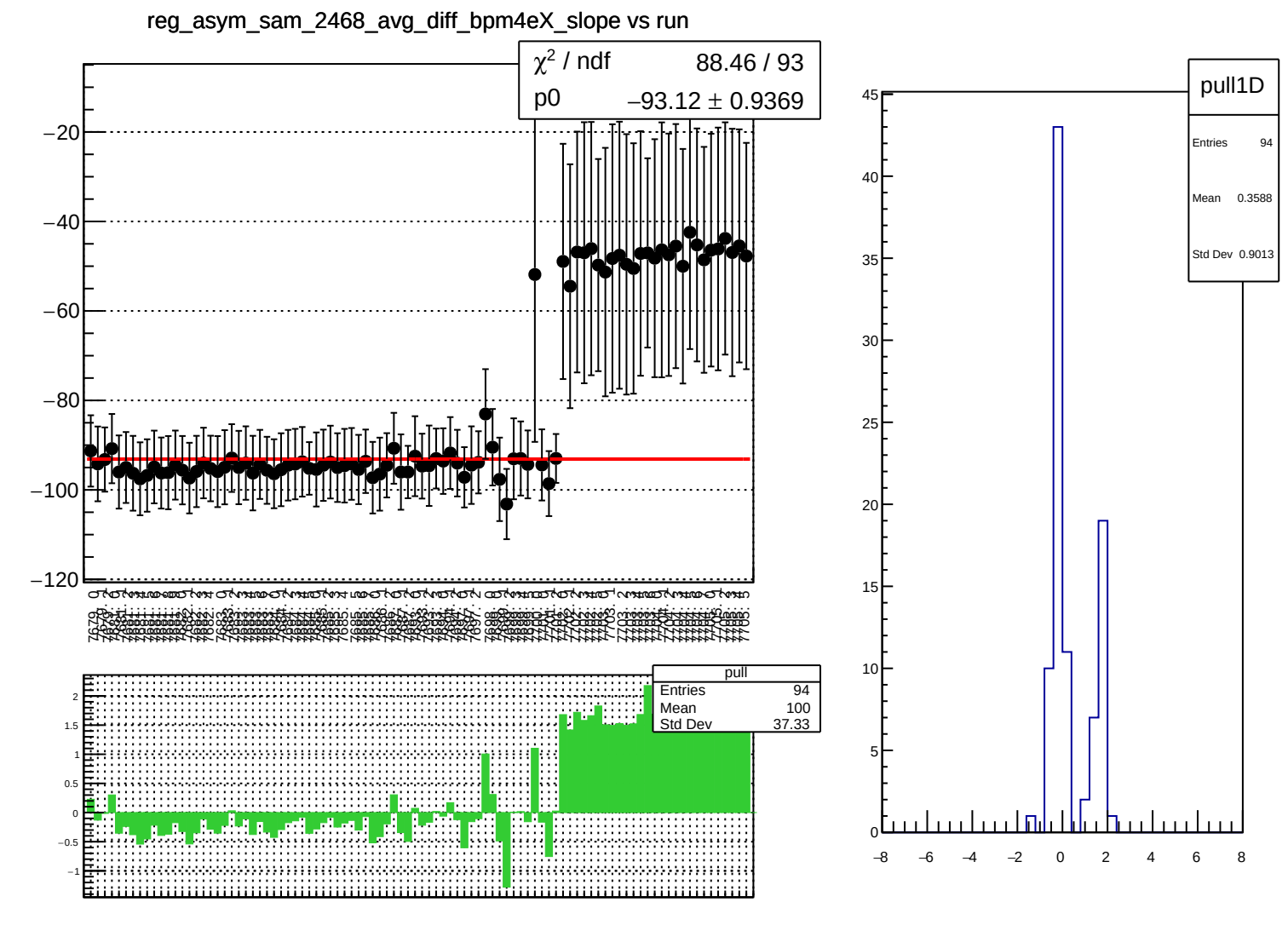

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.57 / 93
p0 28.08 ± 1.126
pull
Entries 94
Mean 122.8
Std Dev 58.06
pull1D
Entries 94
Mean −0.126
Std Dev 0.5932

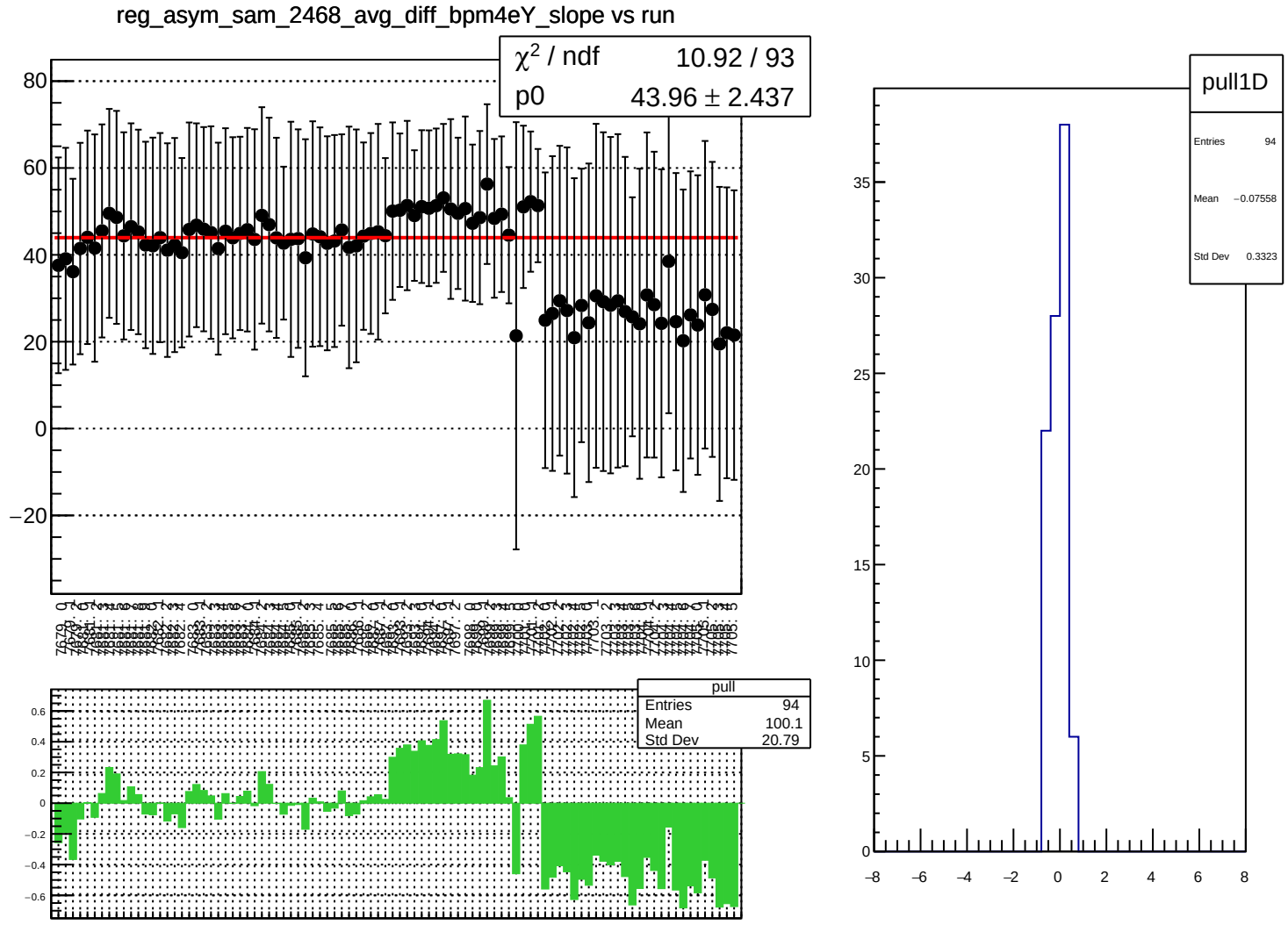

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 69.83 / 93
p0 0.3409 ± 0.05357
pull
Entries 94
Mean −95.05
Std Dev 146
pull1D
Entries 94
Mean 0.1234
Std Dev 0.853

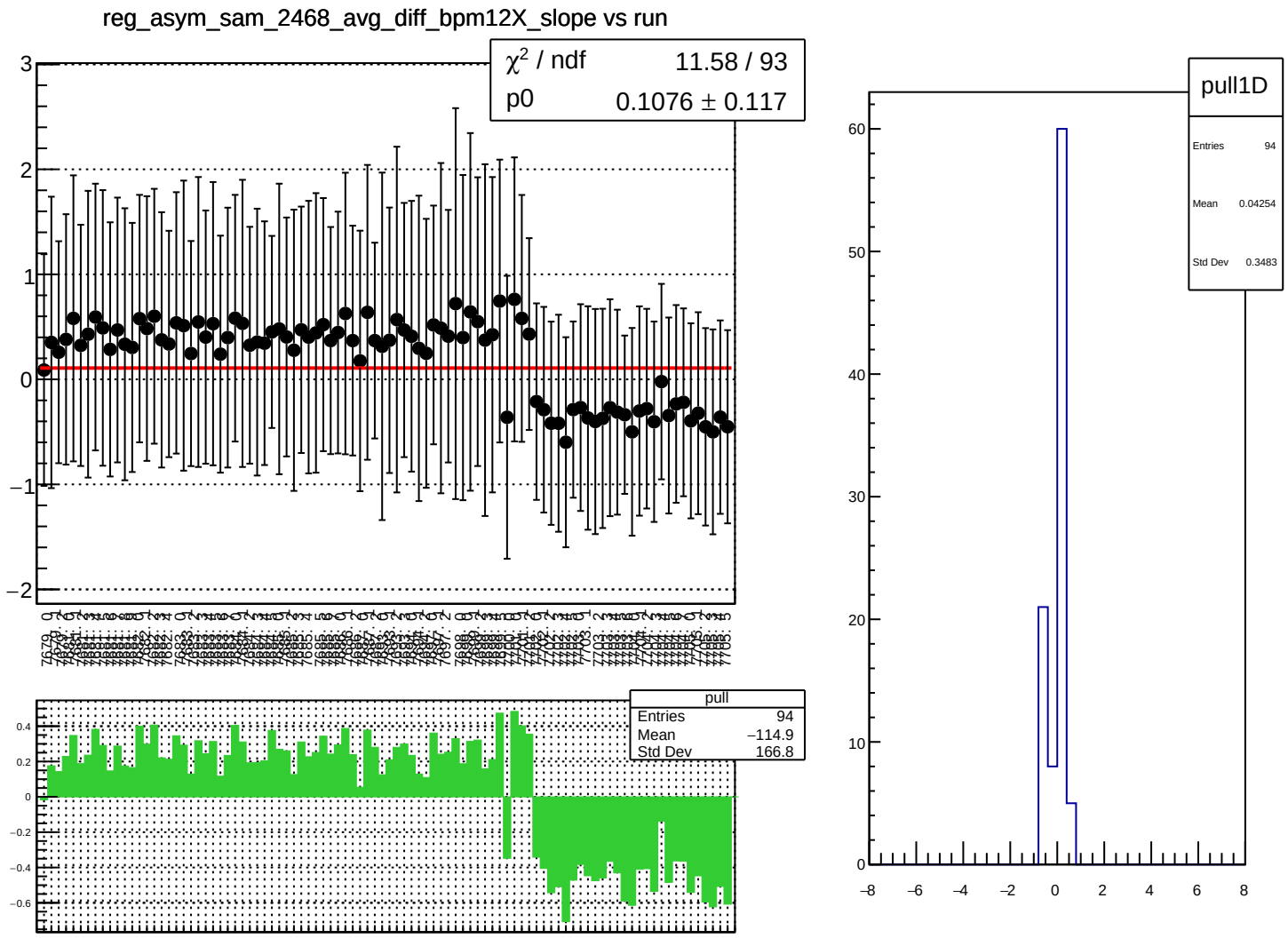

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 86.31 / 93
p0 11.17 ± 1.161
pull
Entries 94
Mean 100.9
Std Dev 36.78

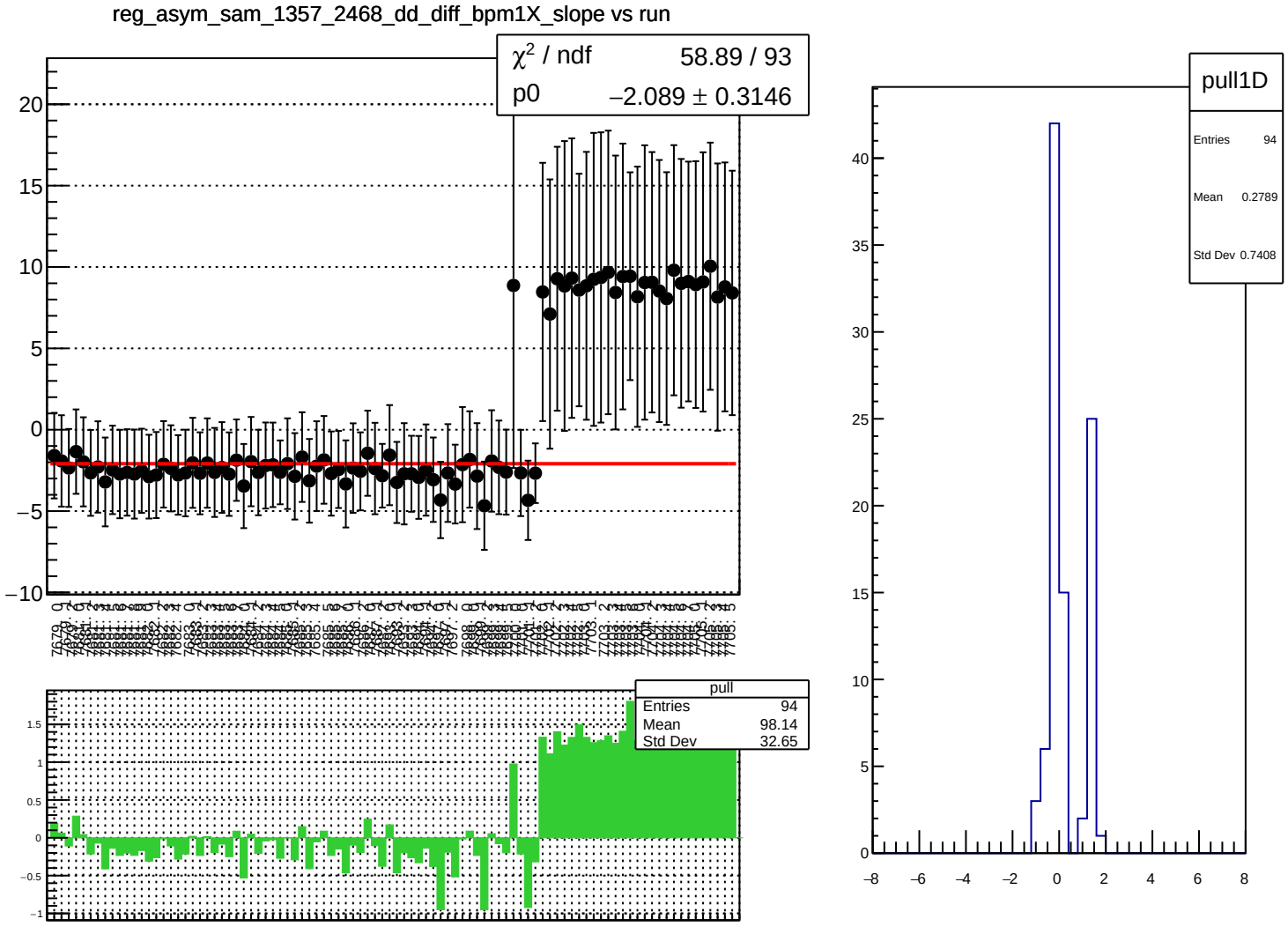

pull1D
Entries 94
Mean −0.3331
Std Dev 0.8985

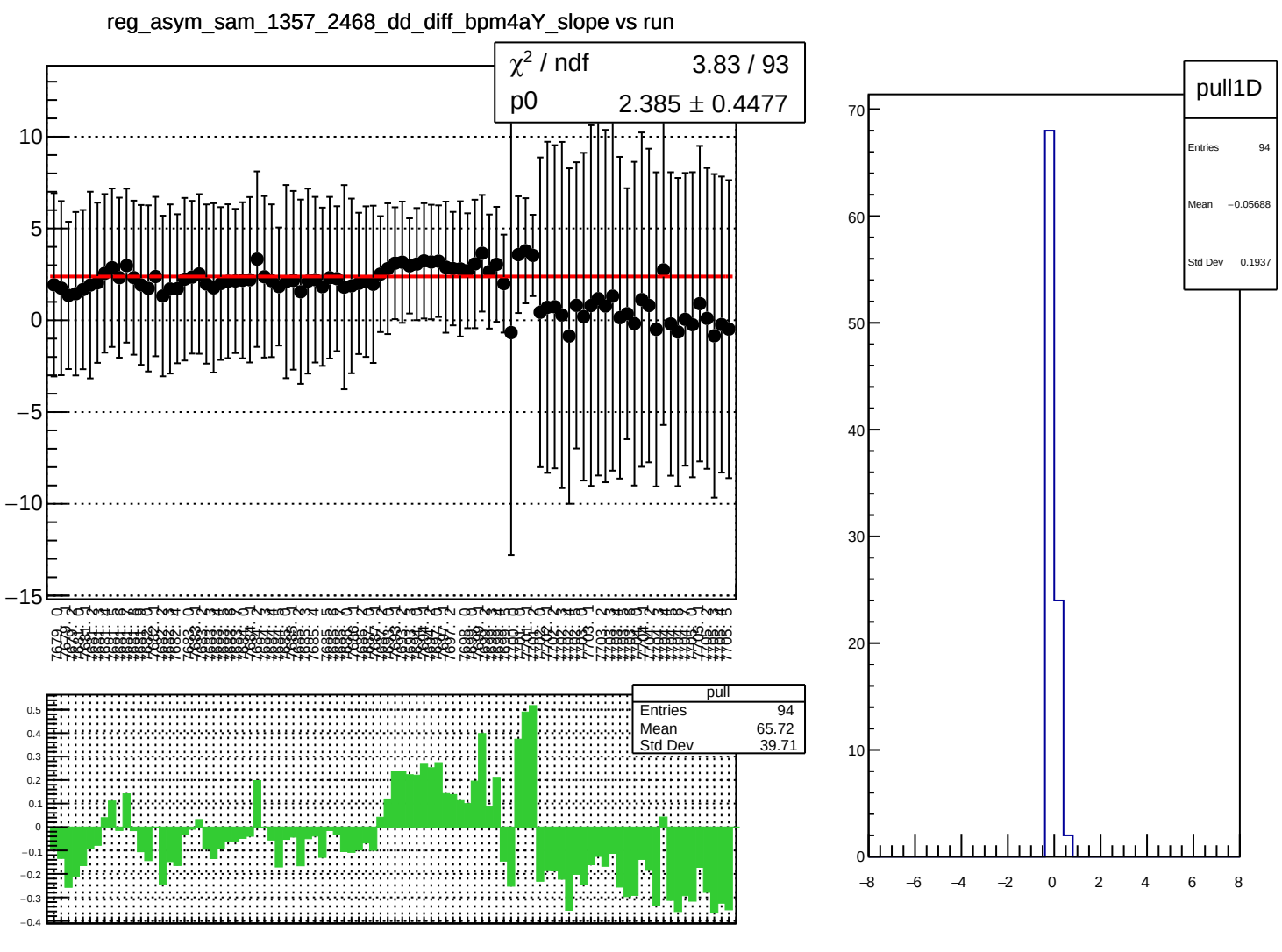

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.49 / 93
p0 −4.109 ± 1.652
pull
Entries 94
Mean 91.85
Std Dev 14.55
pull1D
Entries 94
Mean 0.1255
Std Dev 0.386

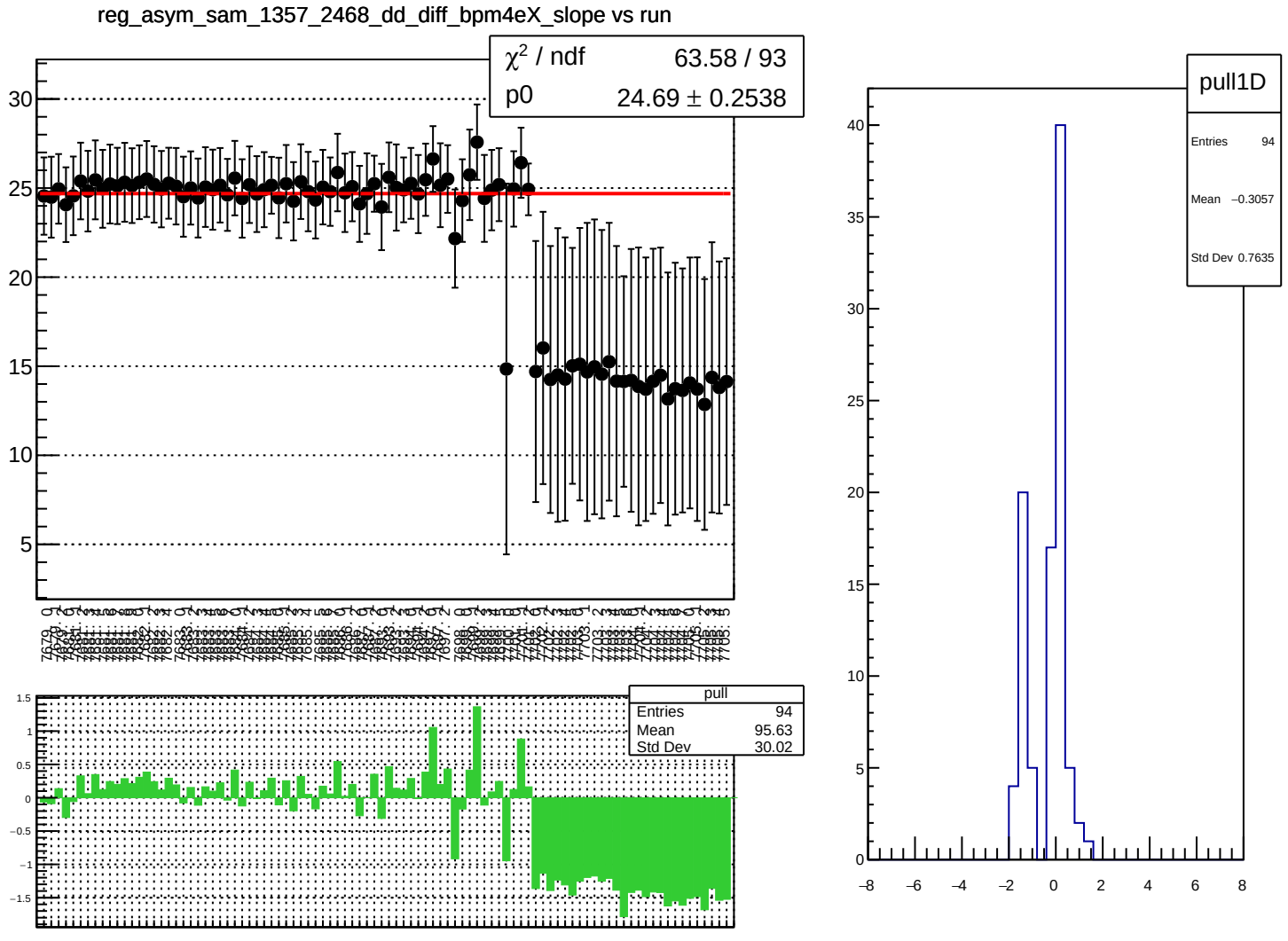

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.46 / 93
p0 −93.12 ± 0.9369
−20
−40
−60
−80
−100
−120
pull
Entries 94
Mean 100
Std Dev 37.33
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 94
Mean 0.3588
Std Dev 0.9013
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

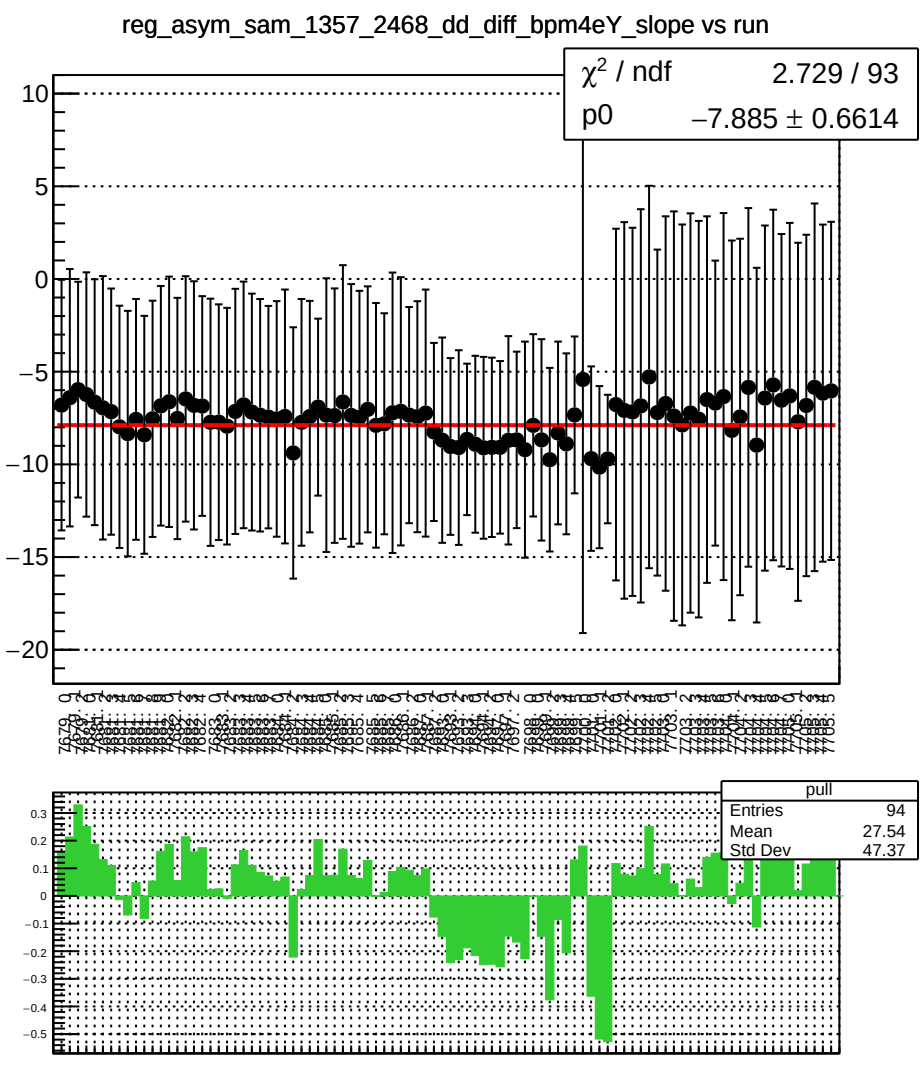

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 93
p0 43.96 ± 2.437
80
60
40
20
0
−20
pull
Entries 94
Mean 100.1
Std Dev 20.79
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 94
Mean −0.07558
Std Dev 0.3323
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

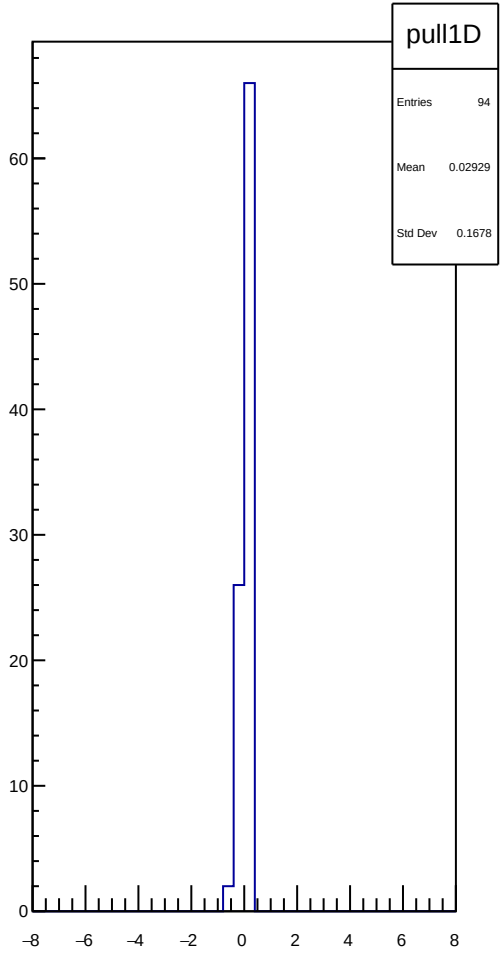

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 11.58 / 93
p0 0.1076 ± 0.117
pull
Entries 94
Mean −114.9
Std Dev 166.8
pull1D
Entries 94
Mean 0.04254
Std Dev 0.3483

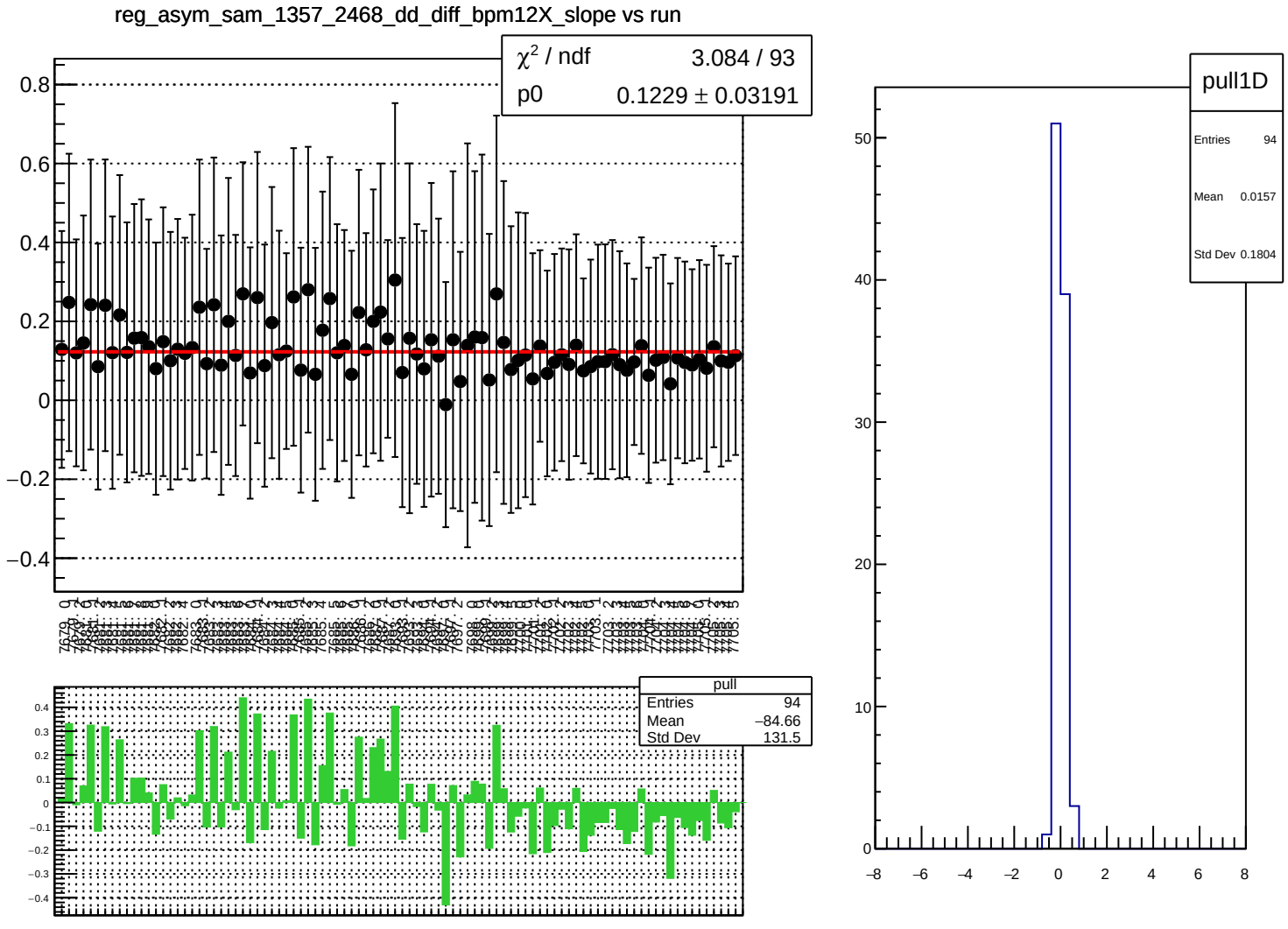

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 58.89 / 93
p0 −2.089 ± 0.3146
pull
Entries 94
Mean 98.14
Std Dev 32.65
pull1D
Entries 94
Mean 0.2789
Std Dev 0.7408

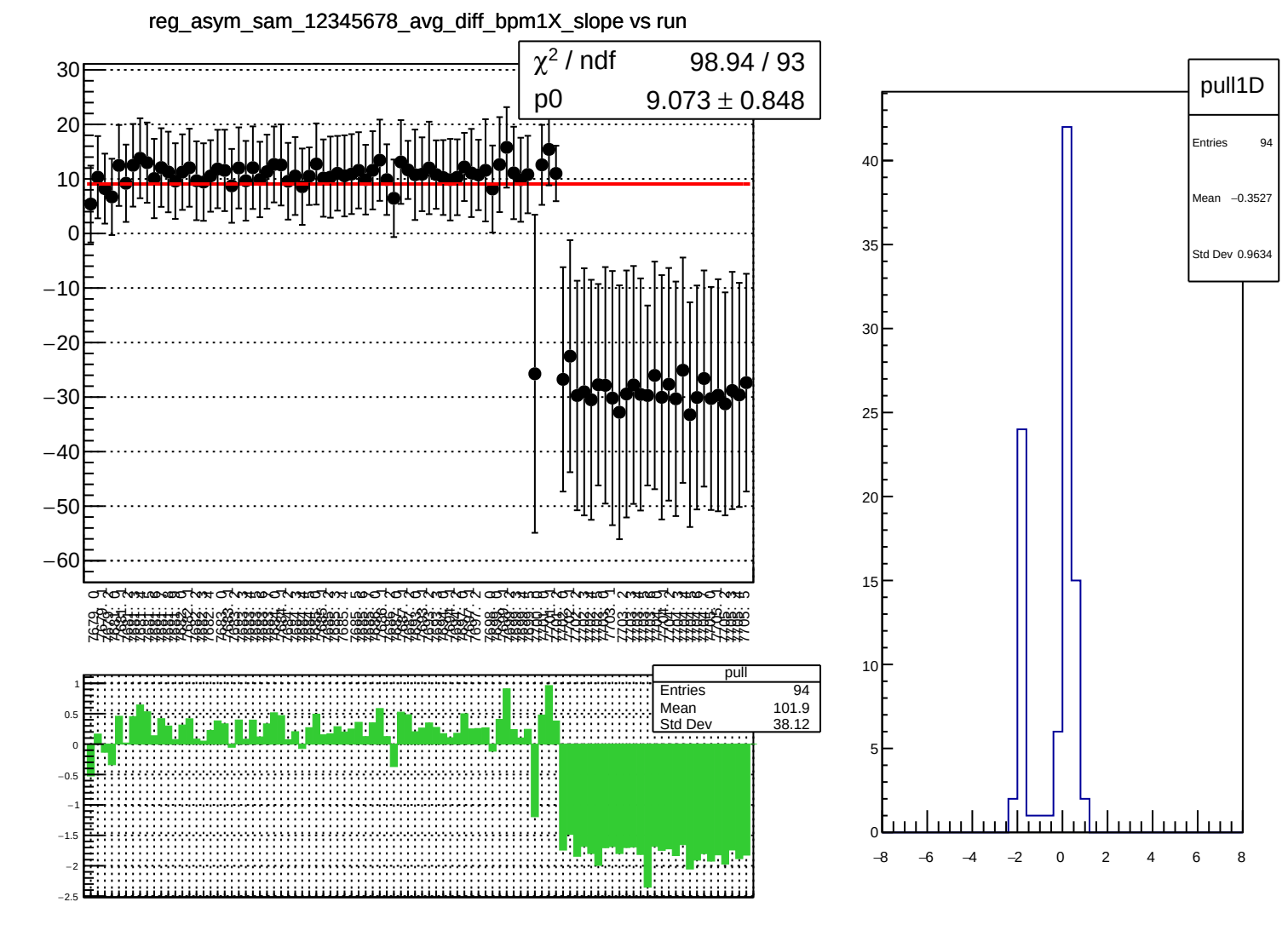

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.83 / 93
p0 2.385 ± 0.4477
pull
Entries 94
Mean 65.72
Std Dev 39.71
pull1D
Entries 94
Mean −0.05688
Std Dev 0.1937

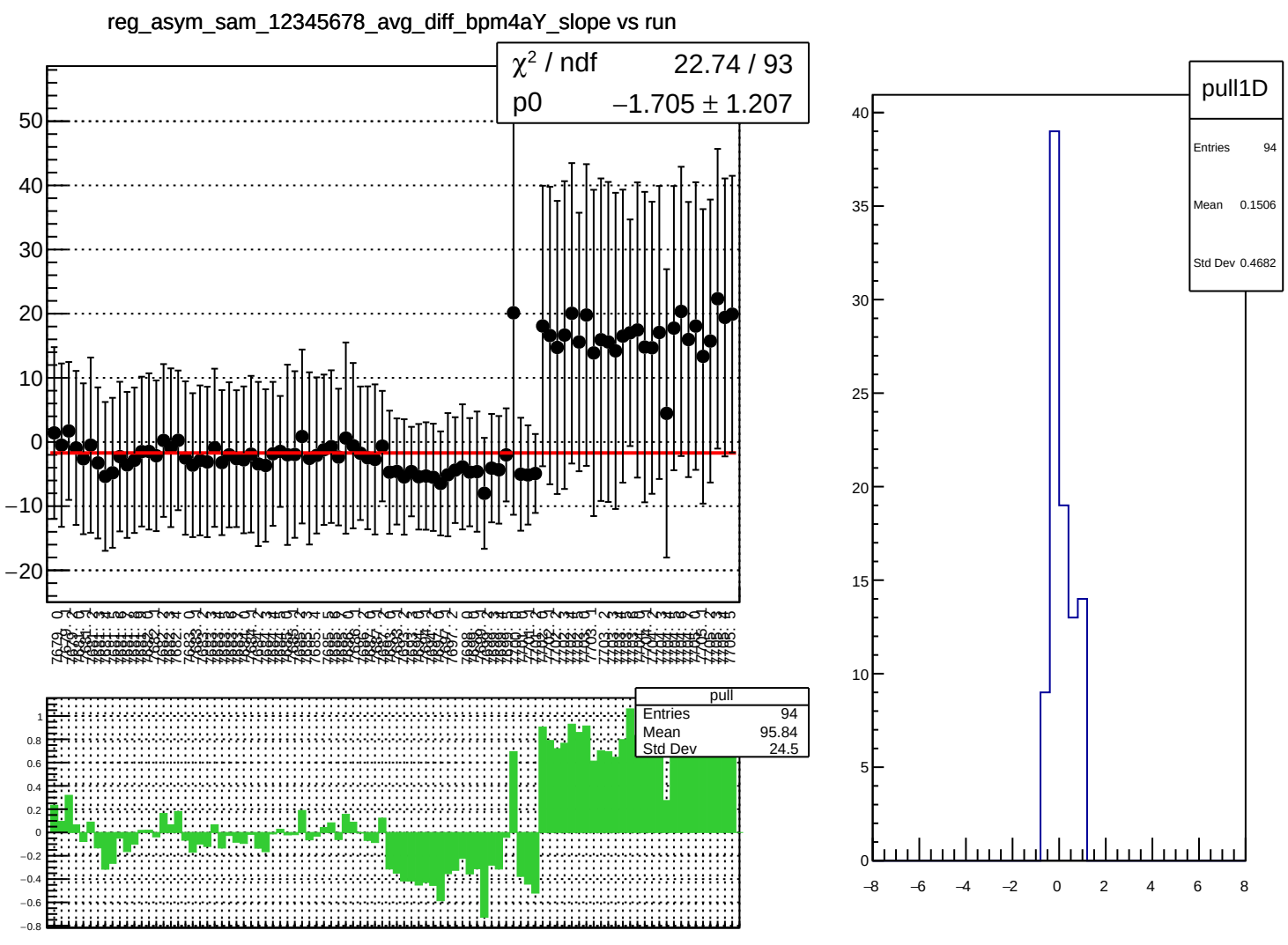

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.58 / 93
p0 24.69 ± 0.2538
pull
Entries 94
Mean 95.63
Std Dev 30.02
pull1D
Entries 94
Mean −0.3057
Std Dev 0.7635

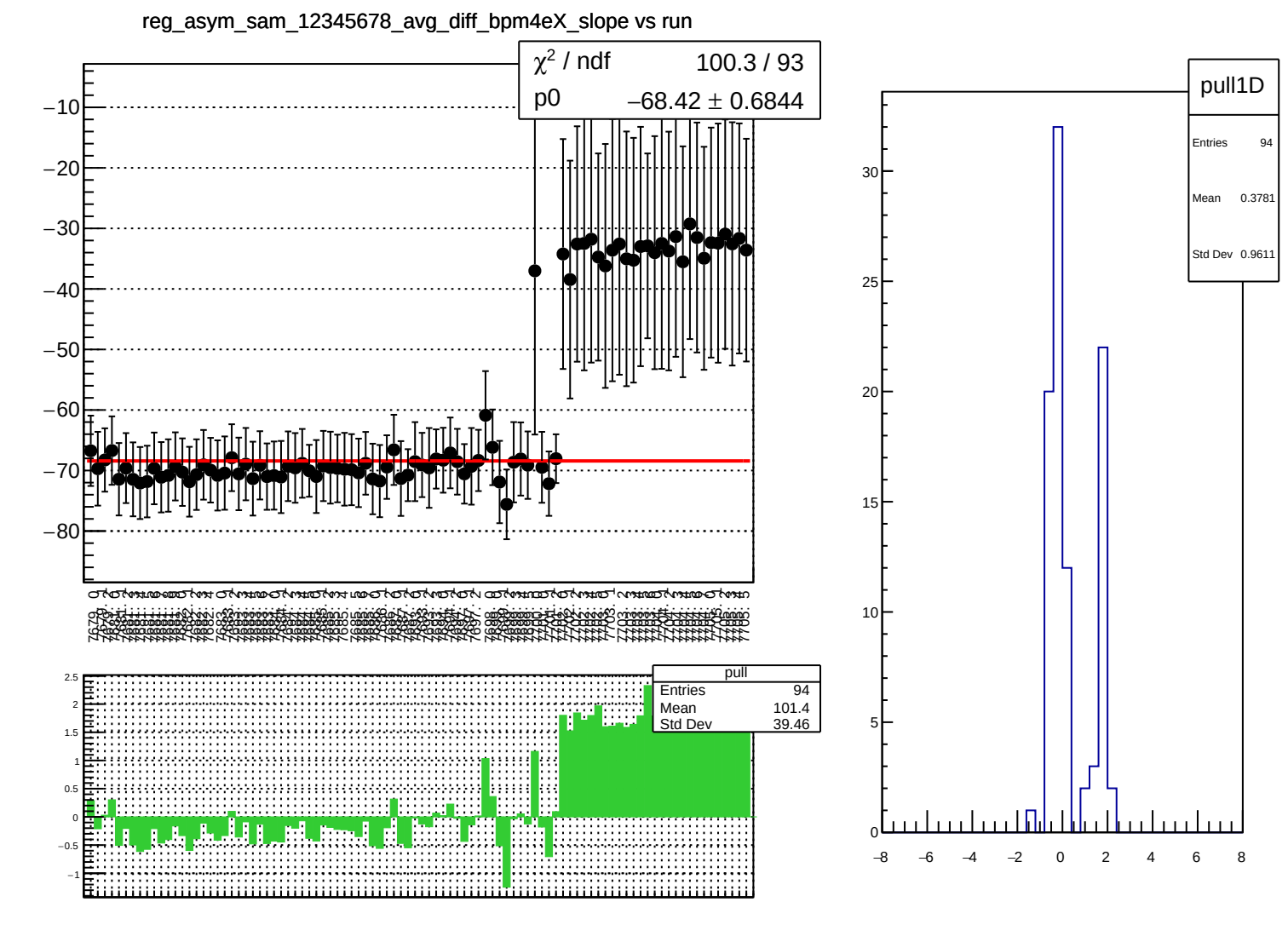

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.729 / 93
p0 −7.885 ± 0.6614
pull
Entries 94
Mean 27.54
Std Dev 47.37

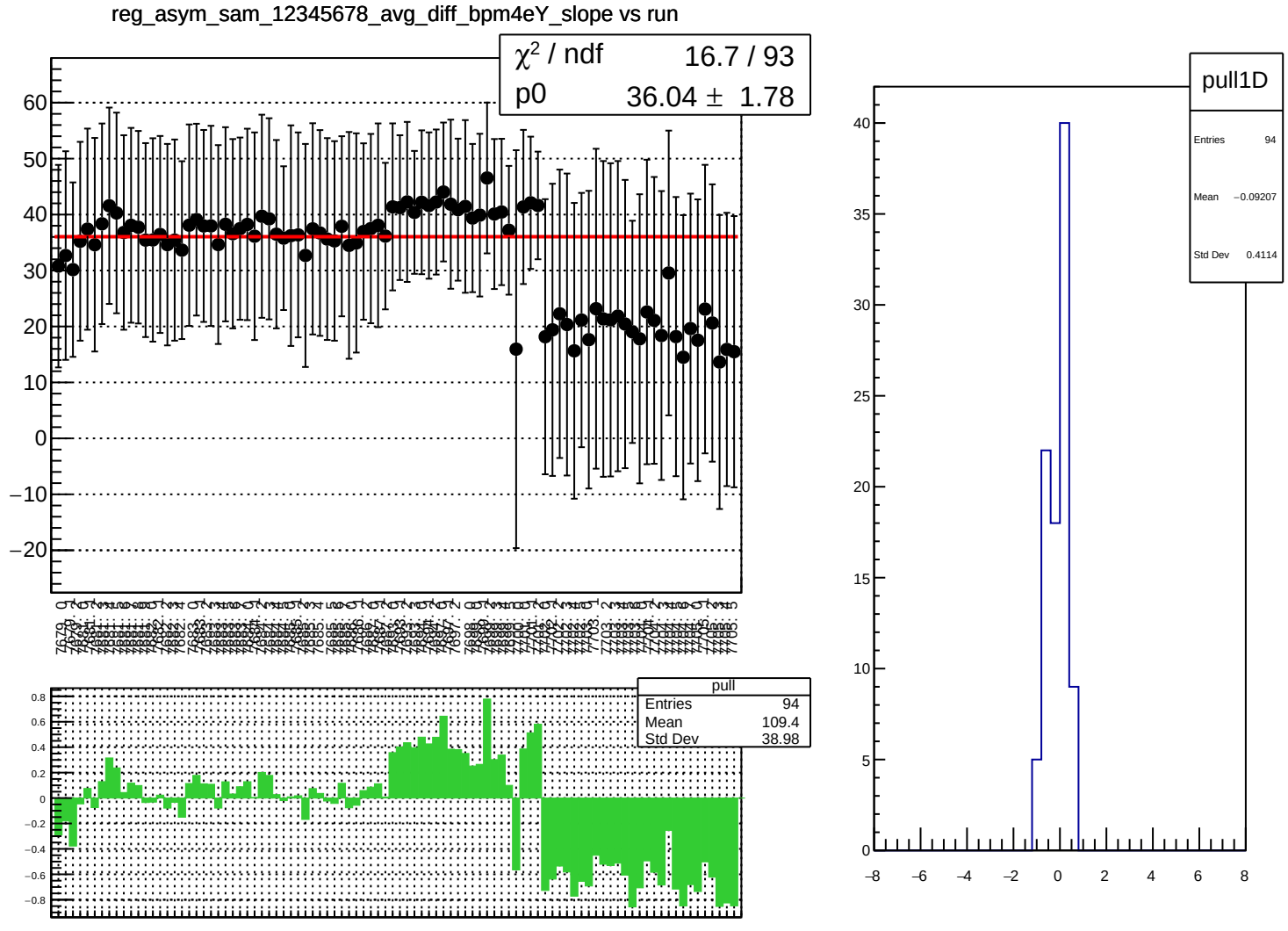

pull1D
Entries 94
Mean 0.02929
Std Dev 0.1678

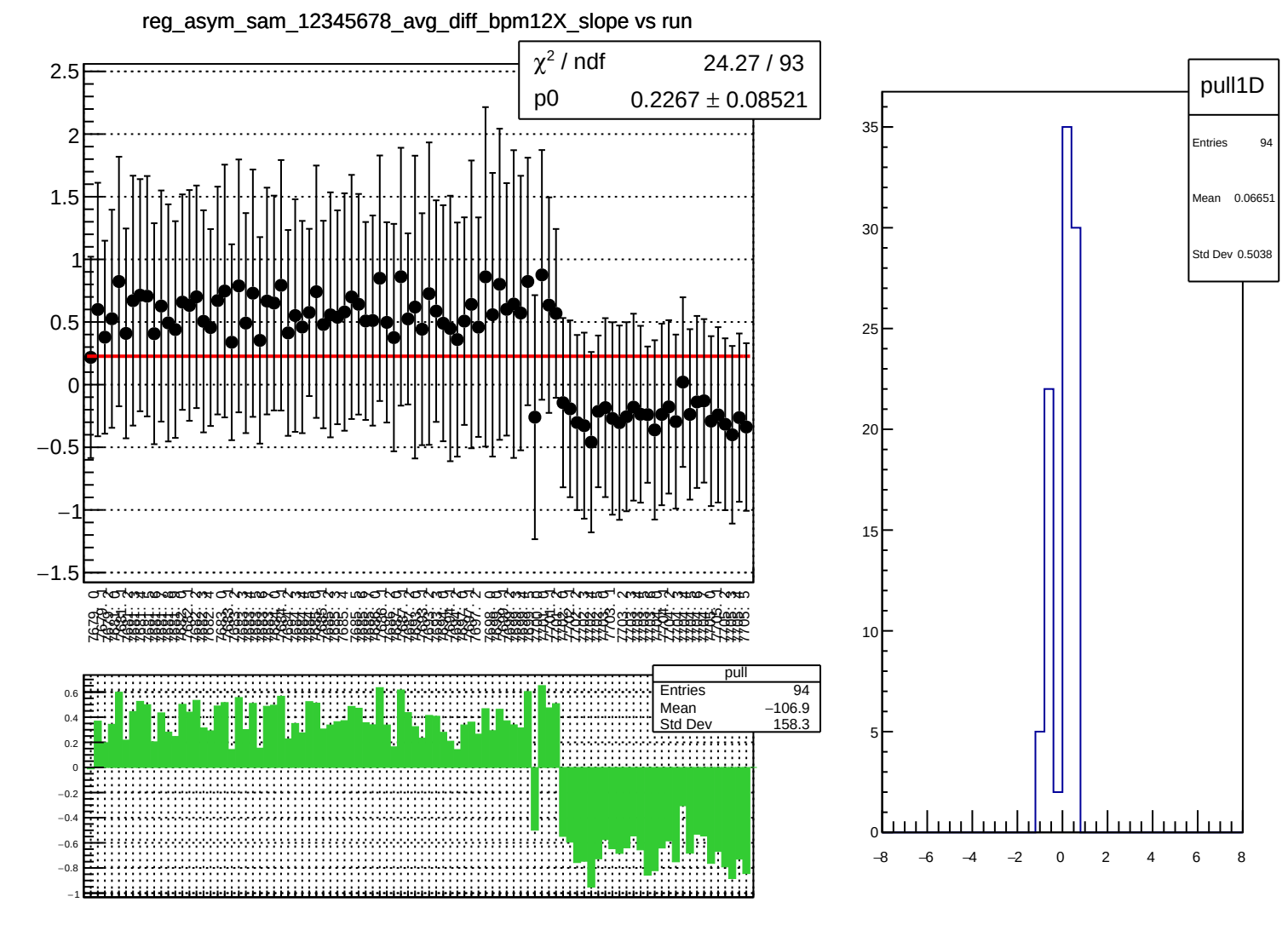

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.084 / 93
p0 0.1229 ± 0.03191
pull
Entries 94
Mean −84.66
Std Dev 131.5
pull1D
Entries 94
Mean 0.0157
Std Dev 0.1804

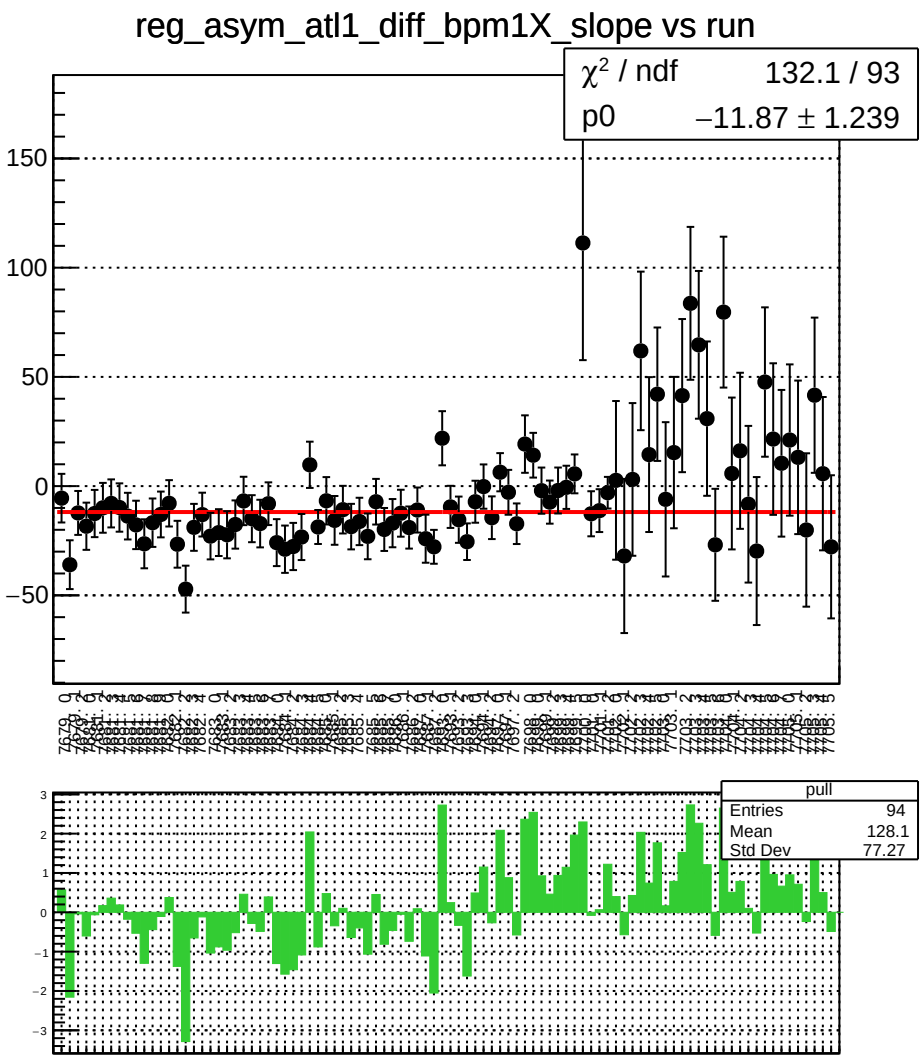

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 98.94 / 93
p0 9.073 ± 0.848
pull
Entries 94
Mean 101.9
Std Dev 38.12
pull1D
Entries 94
Mean −0.3527
Std Dev 0.9634

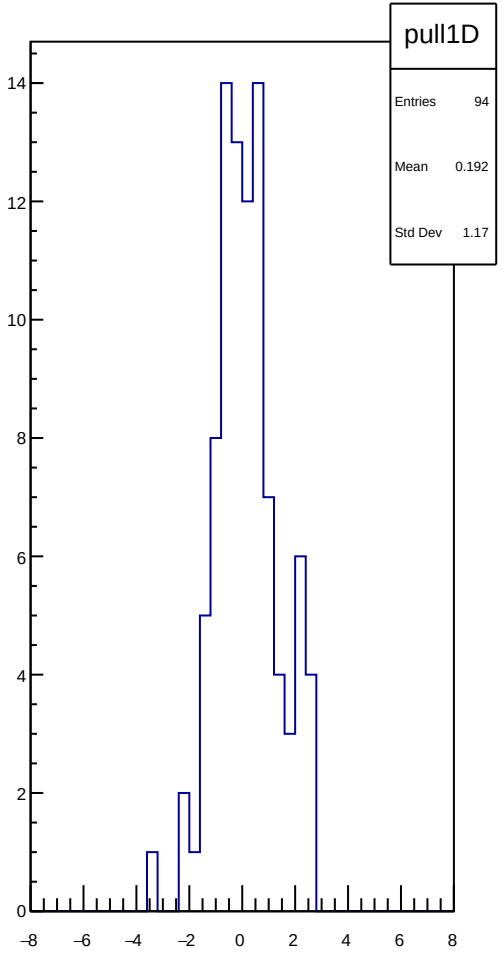

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.74 / 93
p0 −1.705 ± 1.207
pull
Entries 94
Mean 95.84
Std Dev 24.5
pull1D
Entries 94
Mean 0.1506
Std Dev 0.4682

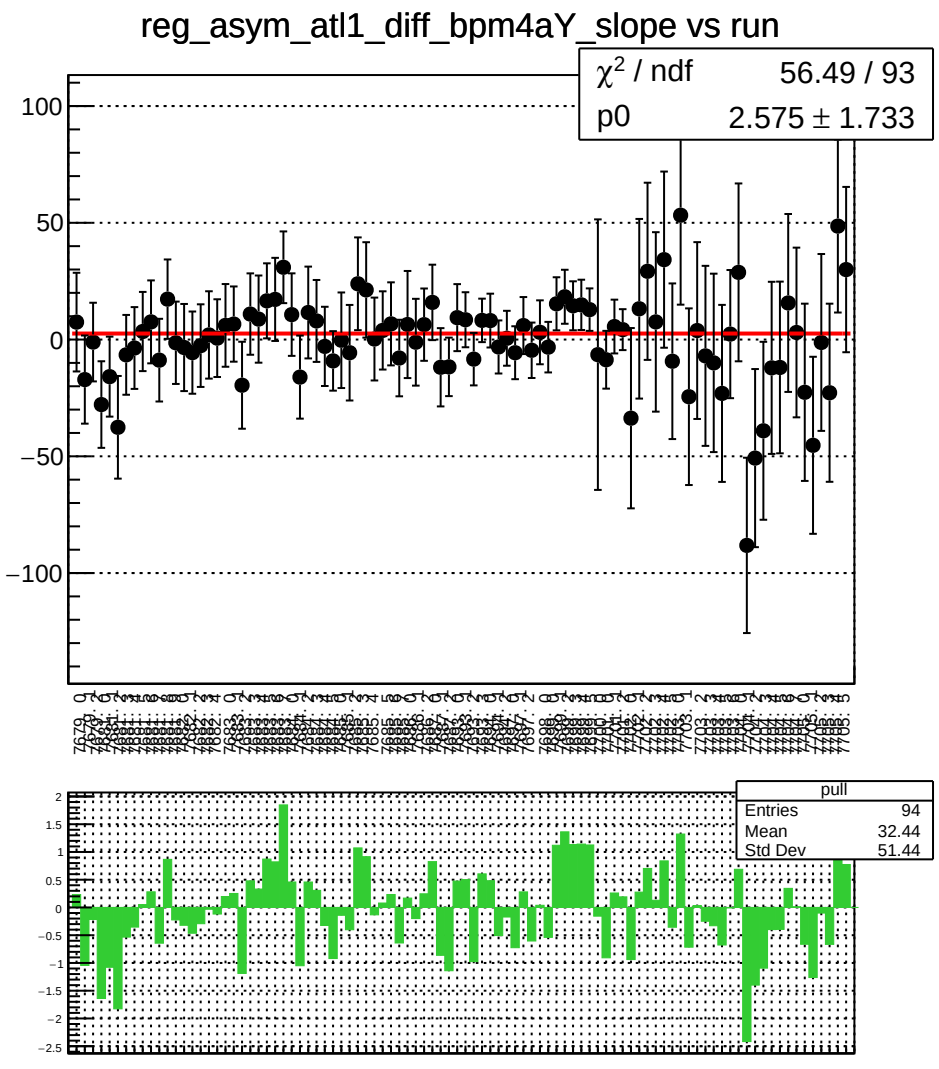

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.3 / 93
p0 −68.42 ± 0.6844
pull
Entries 94
Mean 101.4
Std Dev 39.46
pull1D
Entries 94
Mean 0.3781
Std Dev 0.9611

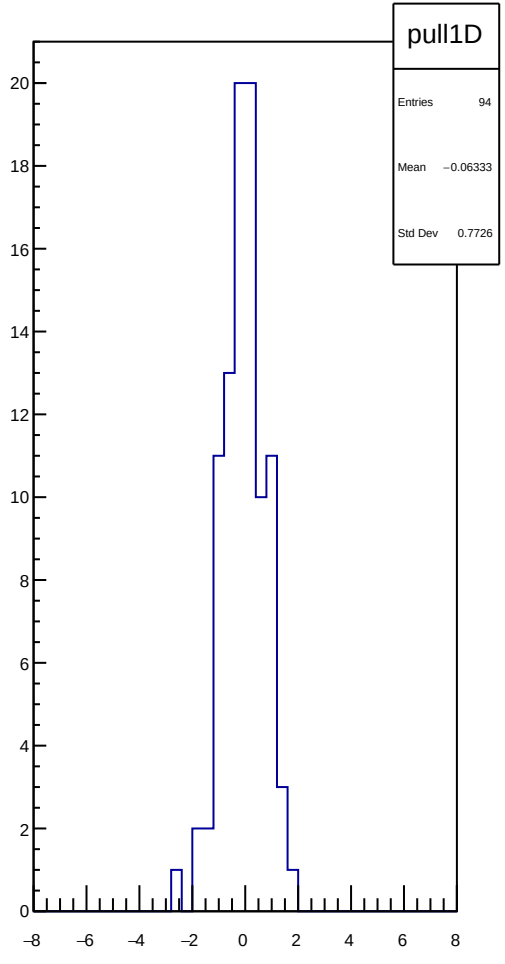

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.7 / 93
p0 36.04 ± 1.78
pull
Entries 94
Mean 109.4
Std Dev 38.98
pull1D
Entries 94
Mean −0.09207
Std Dev 0.4114

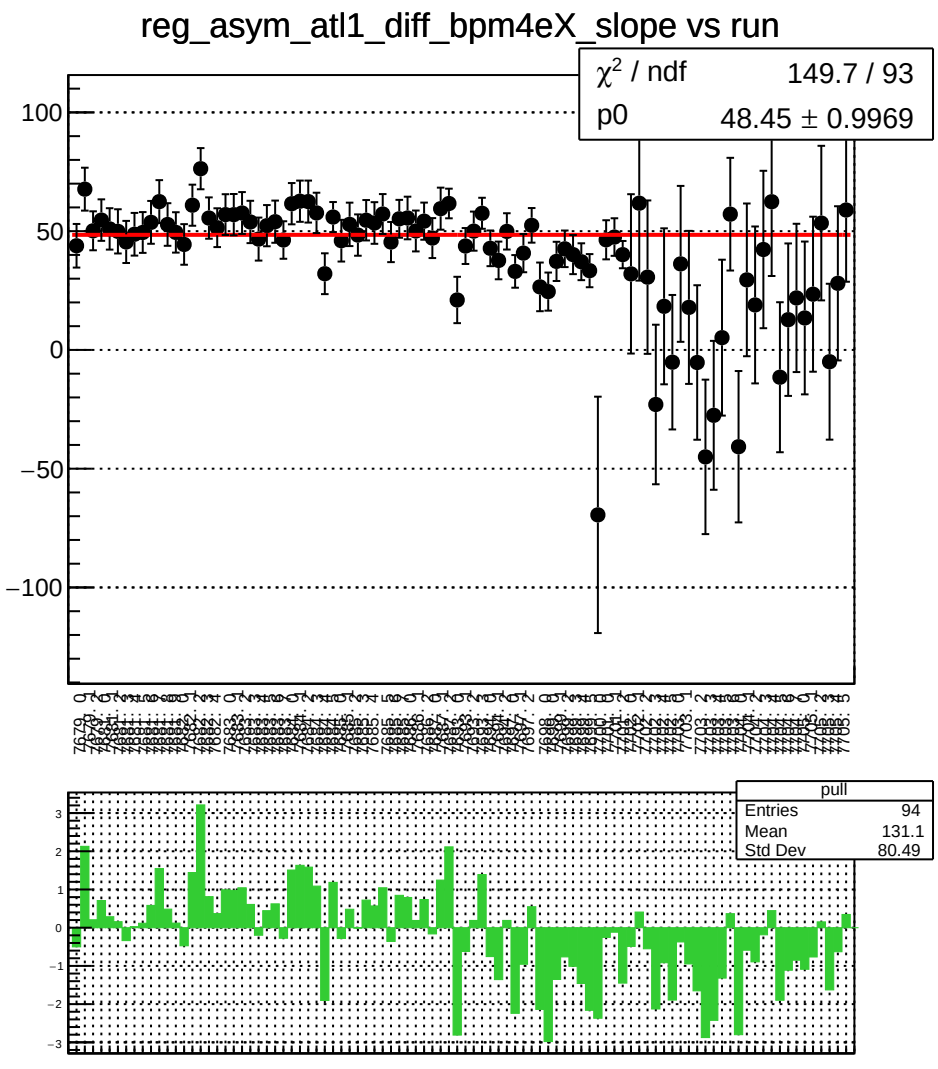

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 24.27 / 93
p0 0.2267 ± 0.08521
pull
Entries 94
Mean −106.9
Std Dev 158.3
pull1D
Entries 94
Mean 0.06651
Std Dev 0.5038

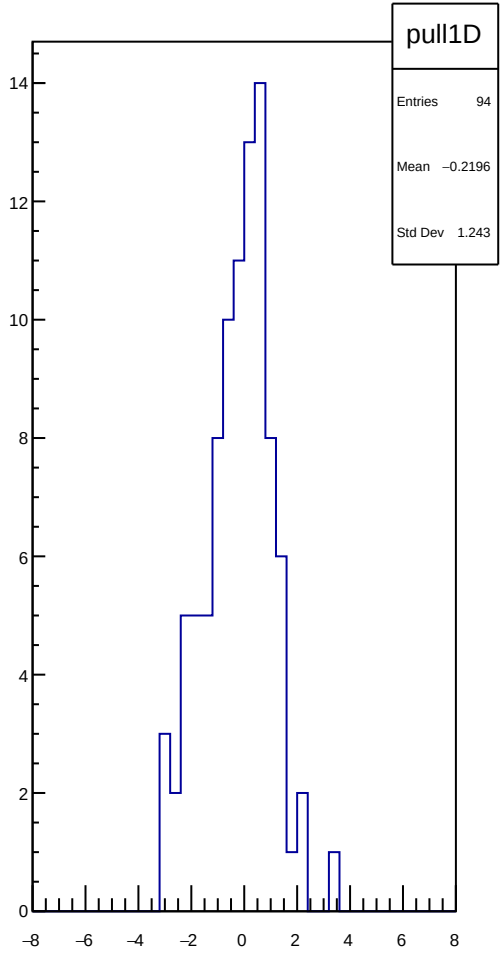

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 132.1 / 93
p0 −11.87 ± 1.239
150
100
50
0
−50
pull
Entries 94
Mean 128.1
Std Dev 77.27
3
2
1
0
−1
−2
−3

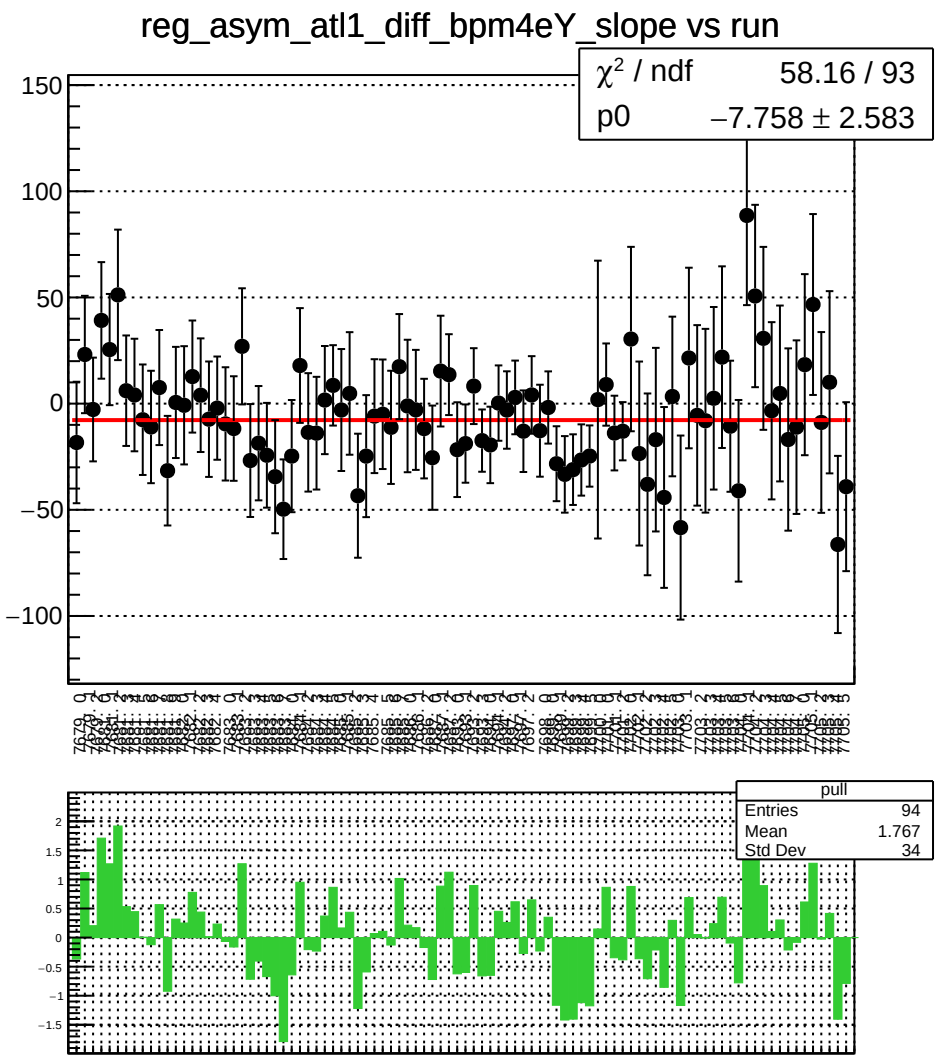

pull1D
Entries 94
Mean 0.192
Std Dev 1.17
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

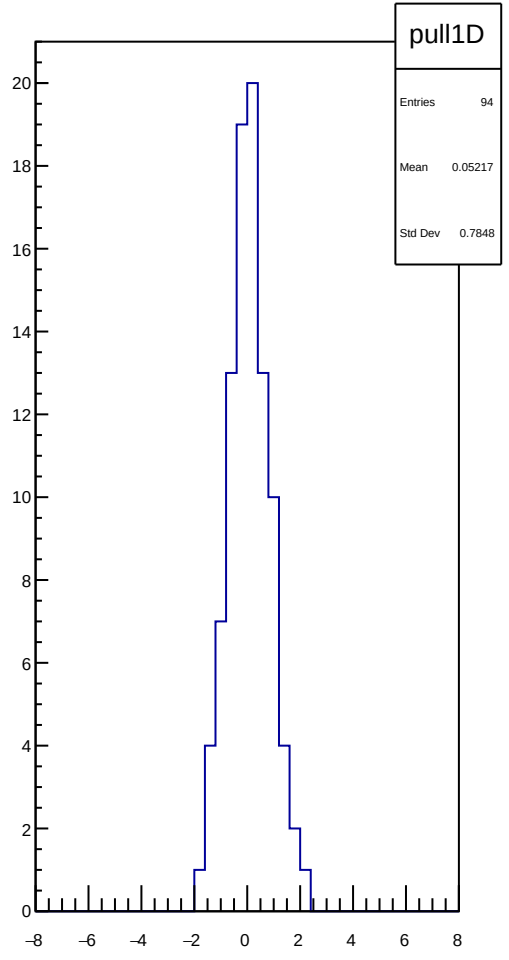

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 56.49 / 93
p0 2.575 ± 1.733
pull
Entries 94
Mean 32.44
Std Dev 51.44

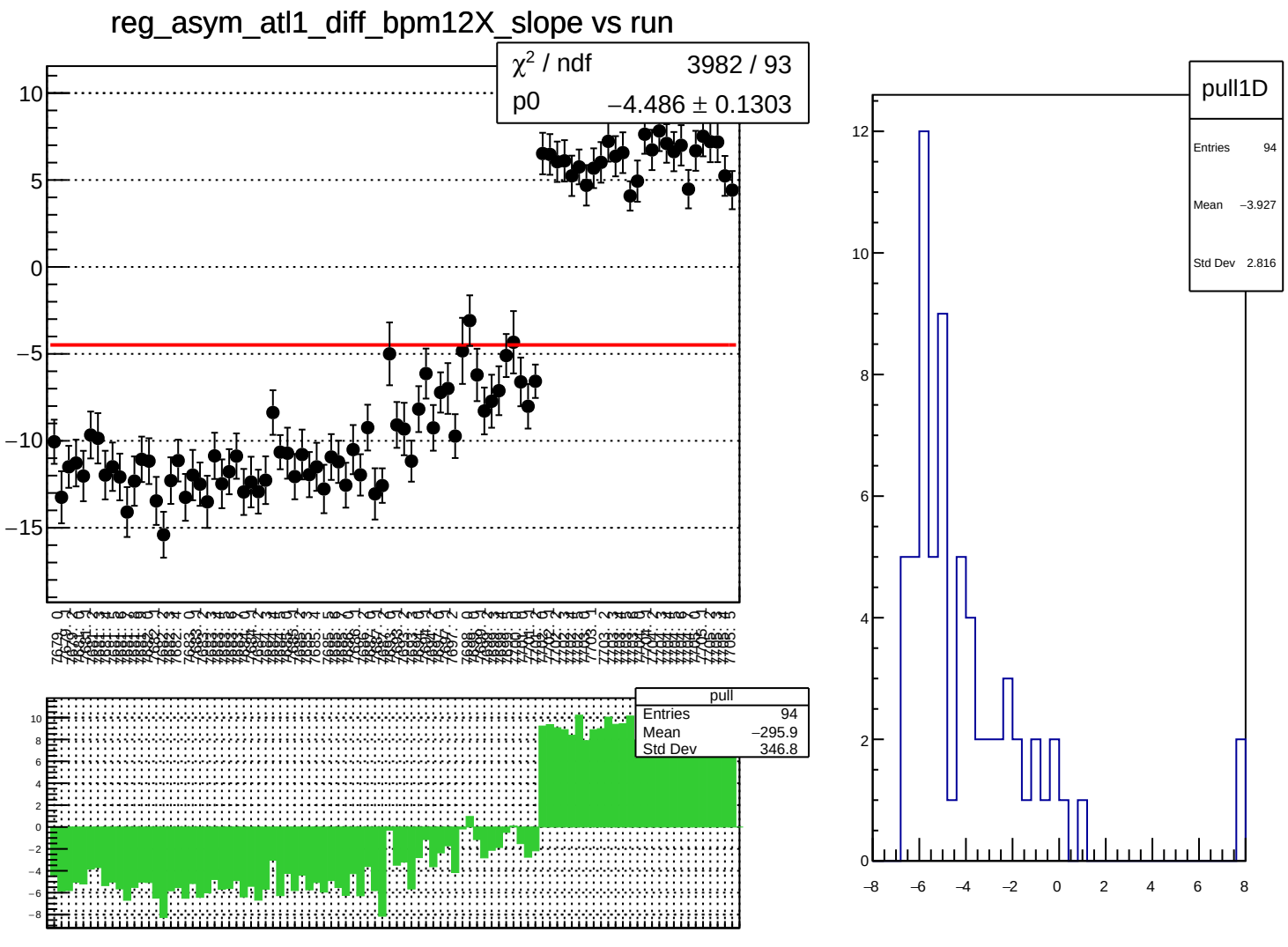

pull1D
Entries 94
Mean −0.06333
Std Dev 0.7726

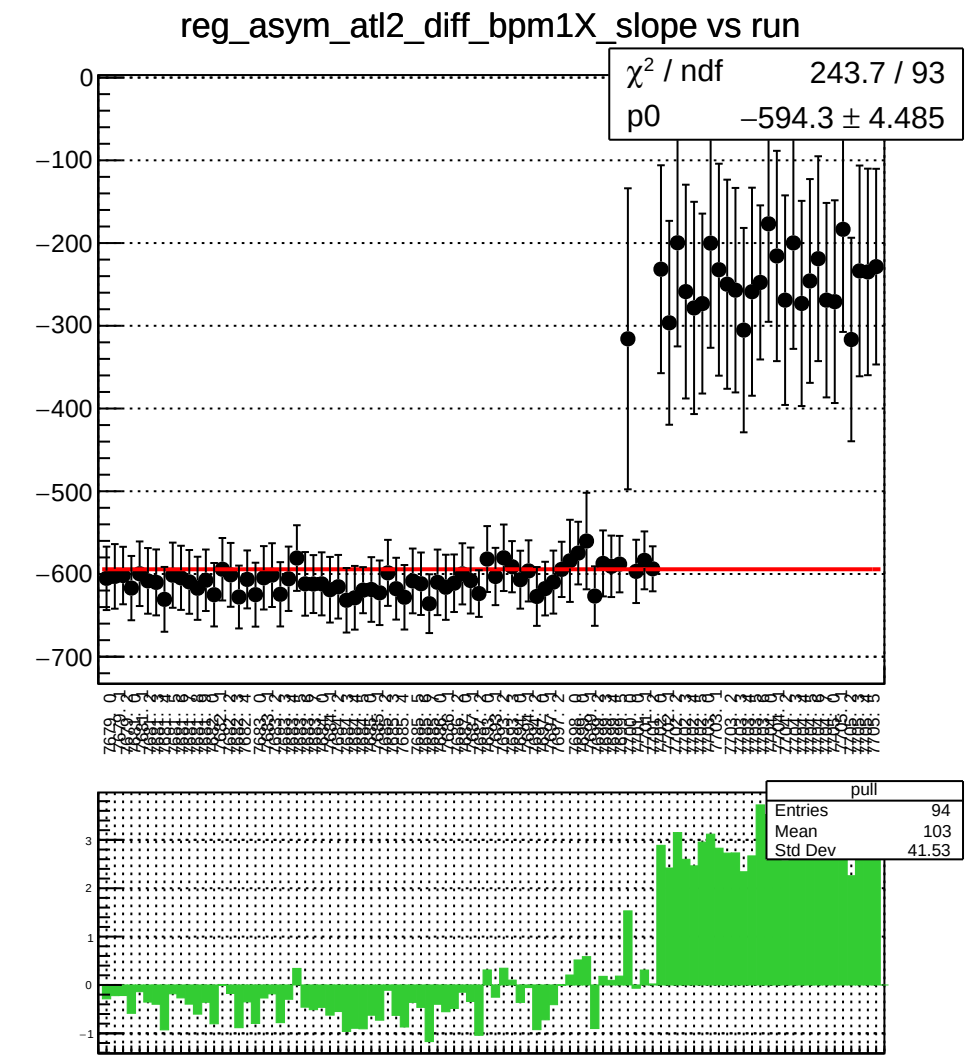

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 149.7 / 93
p0 48.45 ± 0.9969
100
50
0
−50
−100
pull
Entries 94
Mean 131.1
Std Dev 80.49
3
2
1
0
−1
−2
−3

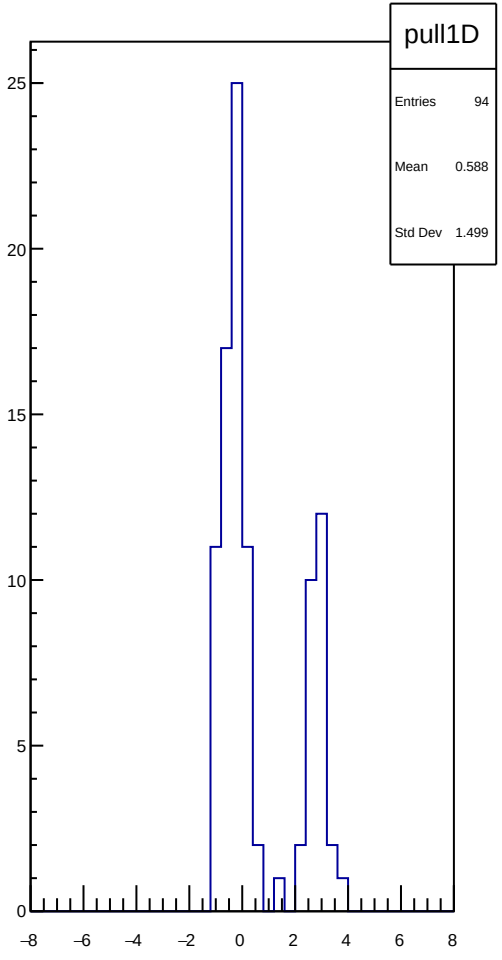

pull1D
Entries 94
Mean −0.2196
Std Dev 1.243
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

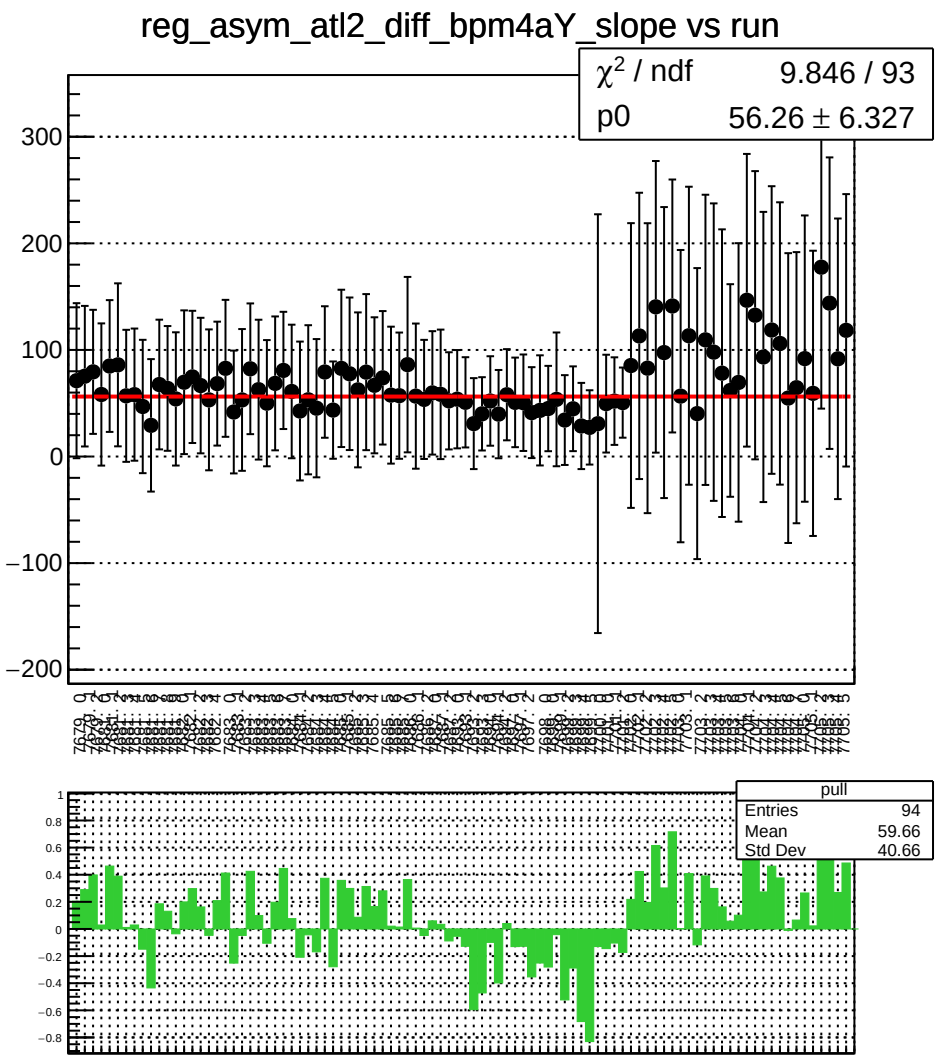

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 58.16 / 93
p0 −7.758 ± 2.583
150
100
50
0
−50
−100
pull
Entries 94
Mean 1.767
Std Dev 34
2
1.5
1
0.5
0
−0.5
−1
−1.5

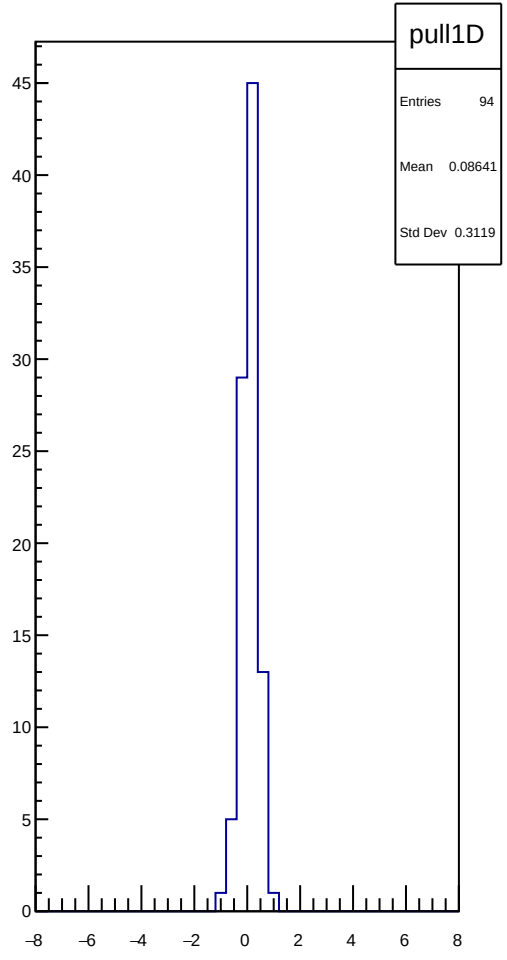

pull1D
Entries 94
Mean 0.05217
Std Dev 0.7848
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

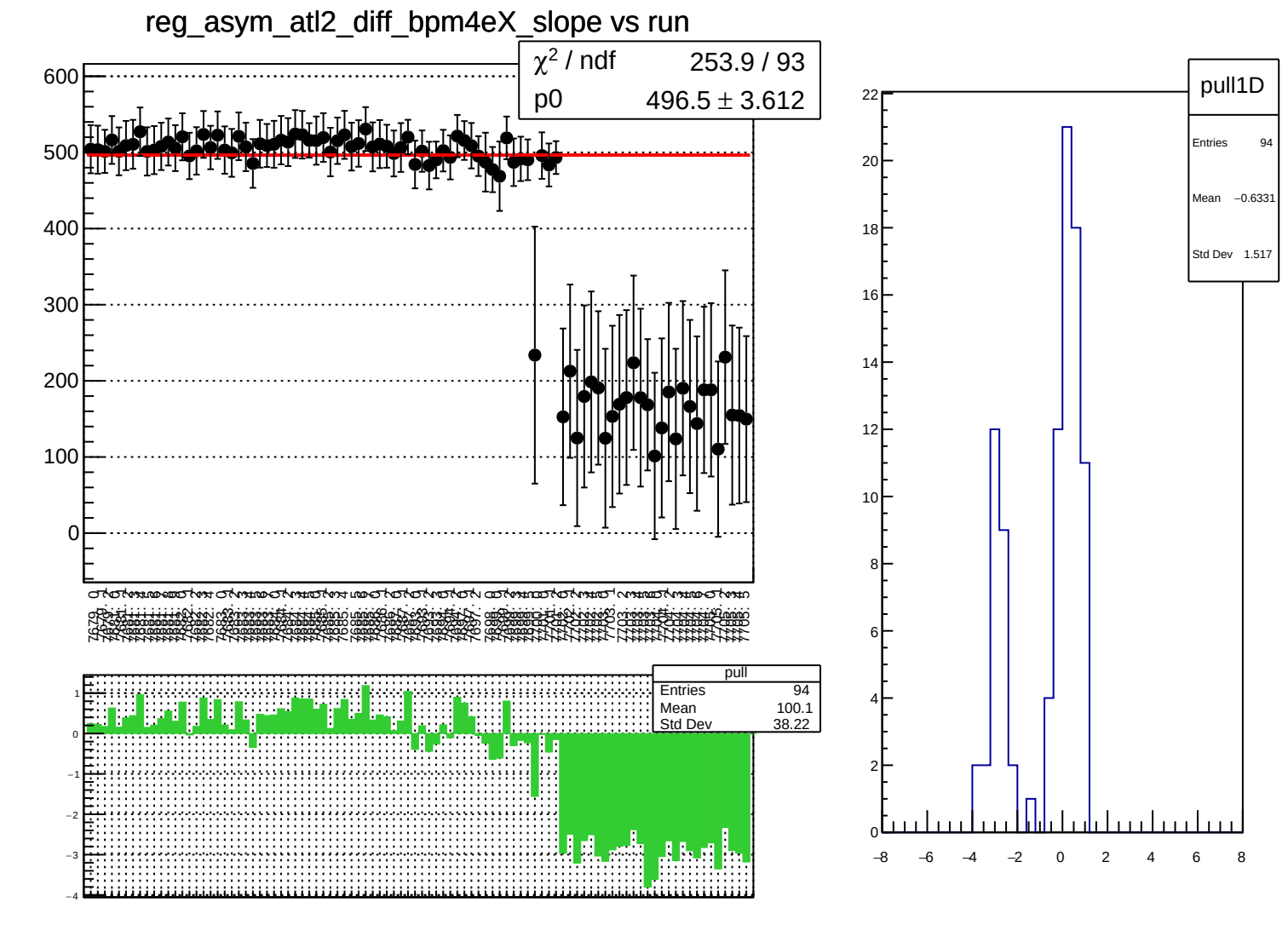

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 3982 / 93
p0 −4.486 ± 0.1303
pull
Entries 94
Mean −295.9
Std Dev 346.8
pull1D
Entries 94
Mean −3.927
Std Dev 2.816

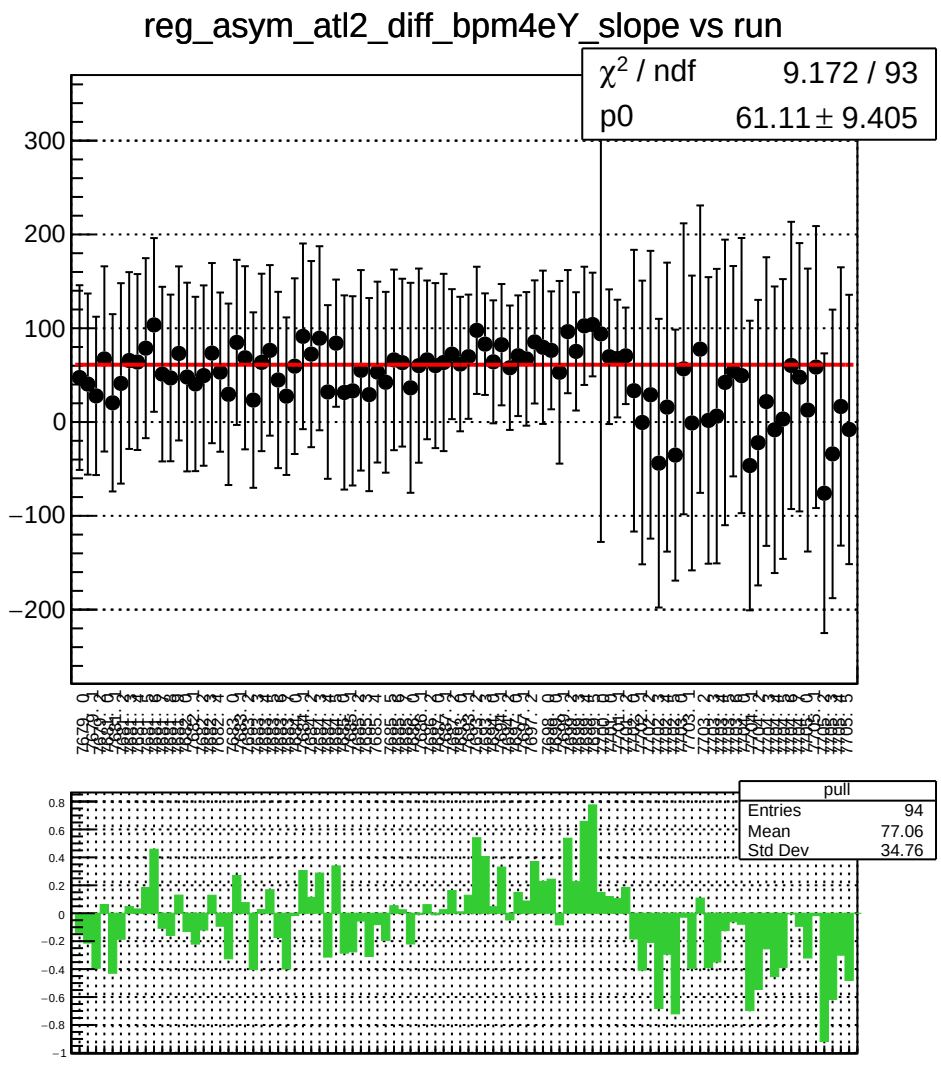

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 243.7 / 93
p0 −594.3 ± 4.485
pull
Entries 94
Mean 103
Std Dev 41.53

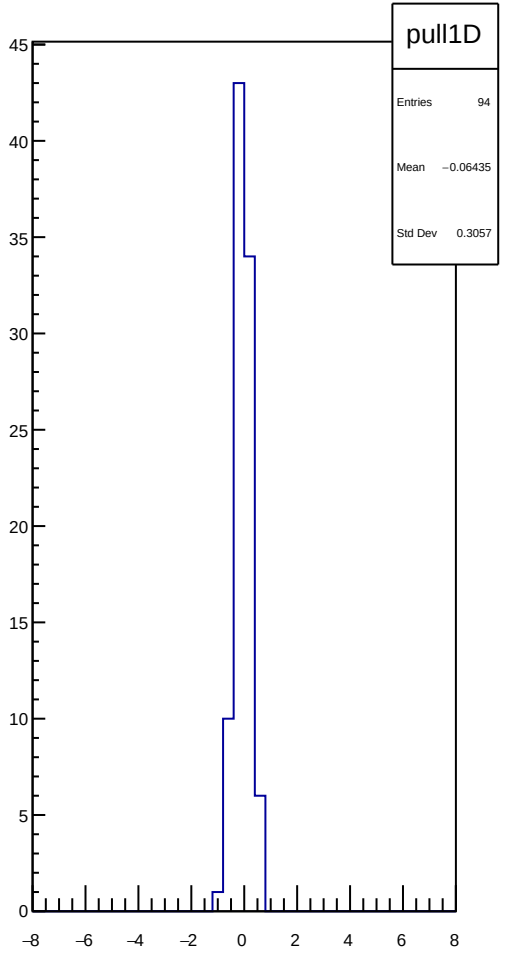

pull1D
Entries 94
Mean 0.588
Std Dev 1.499

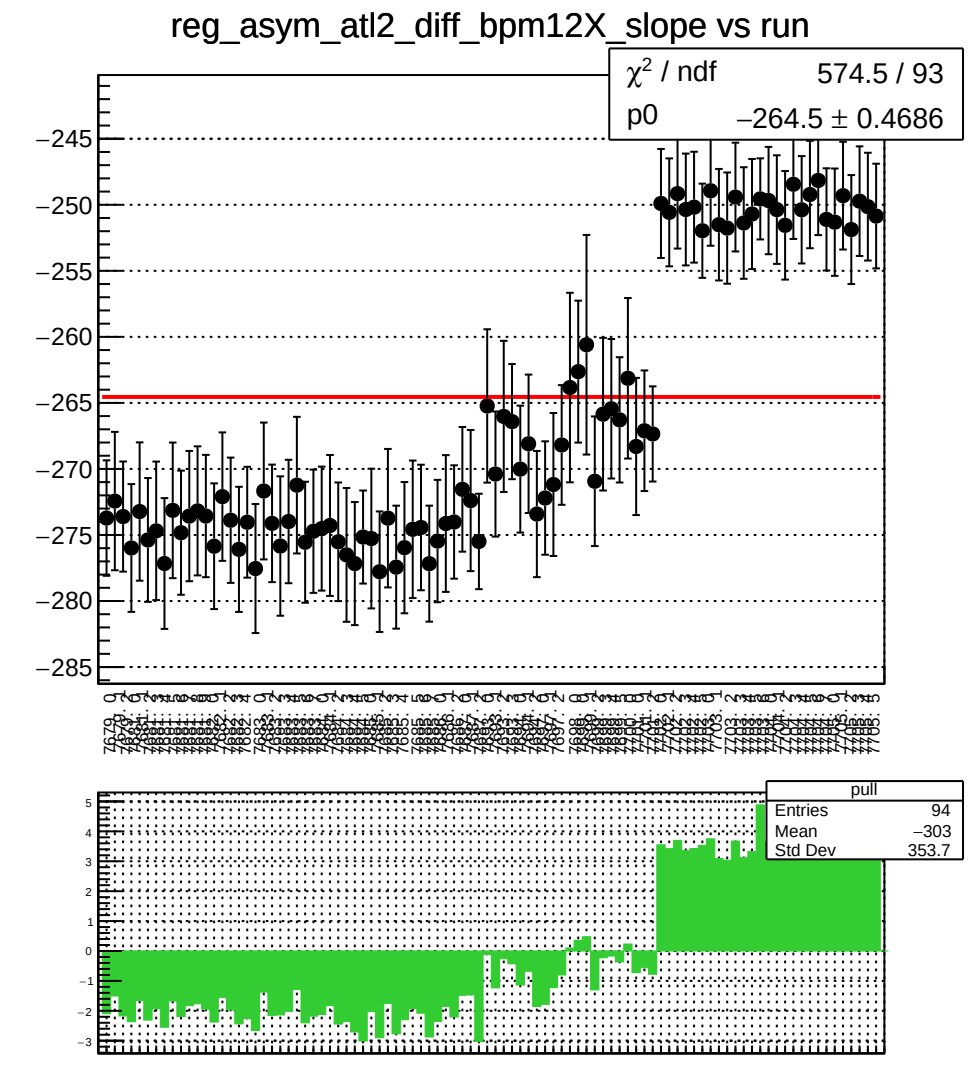

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.846 / 93
p0 56.26 ± 6.327
300
200
100
0
−100
−200
pull
Entries 94
Mean 59.66
Std Dev 40.66
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

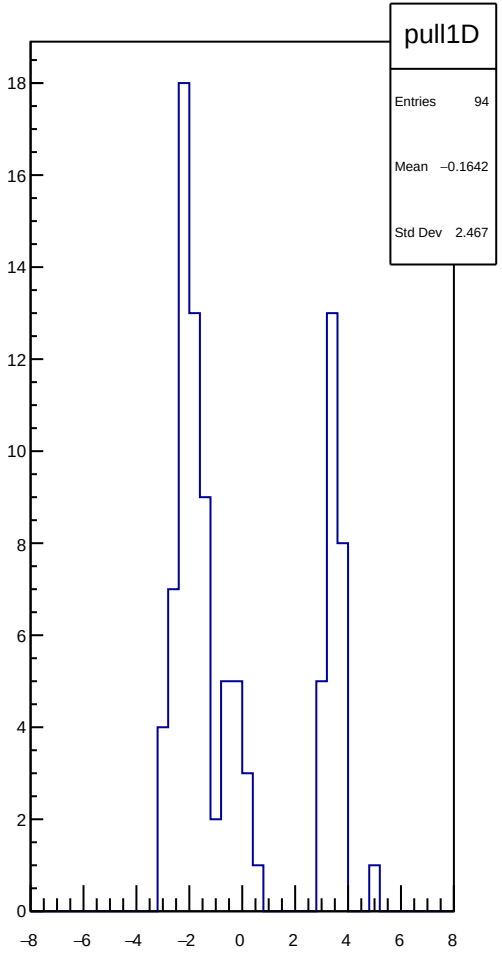

pull1D
Entries 94
Mean 0.08641
Std Dev 0.3119
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

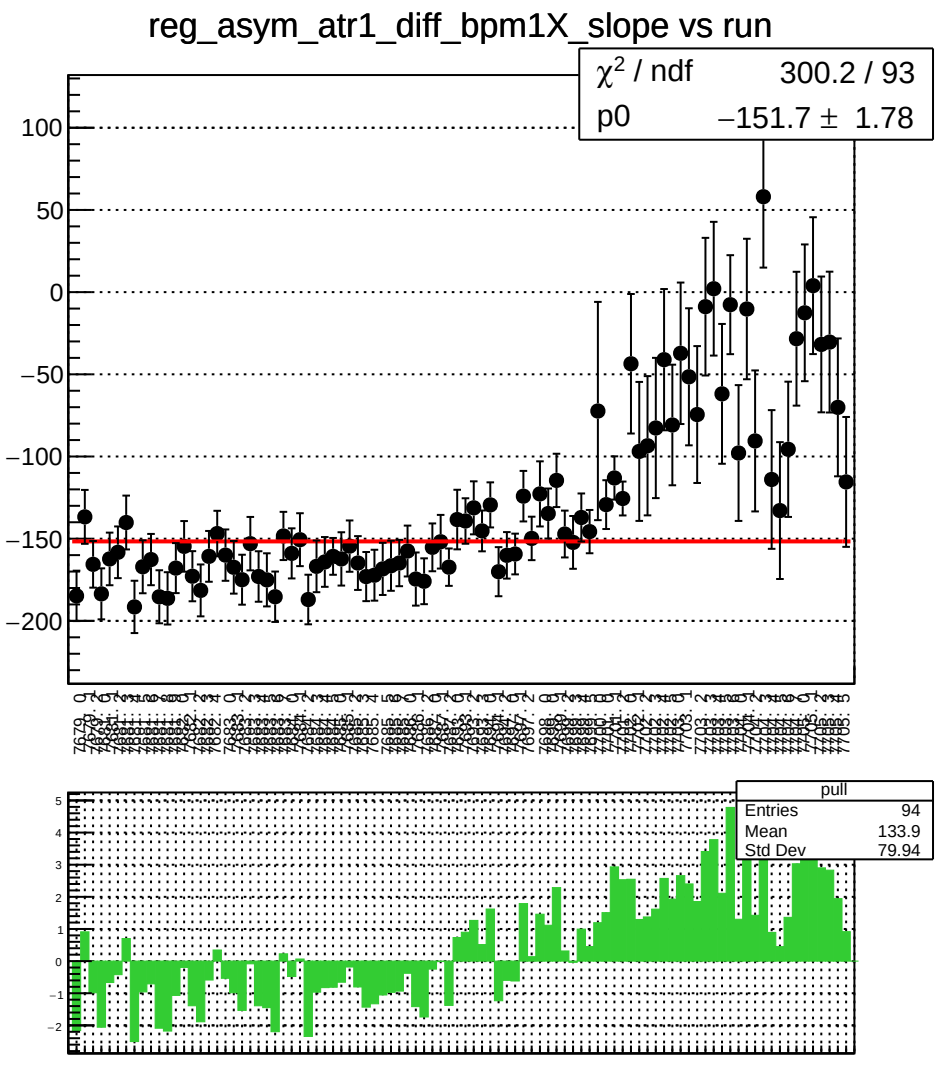

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 253.9 / 93
p0 496.5 ± 3.612
pull
Entries 94
Mean 100.1
Std Dev 38.22
pull1D
Entries 94
Mean −0.6331
Std Dev 1.517

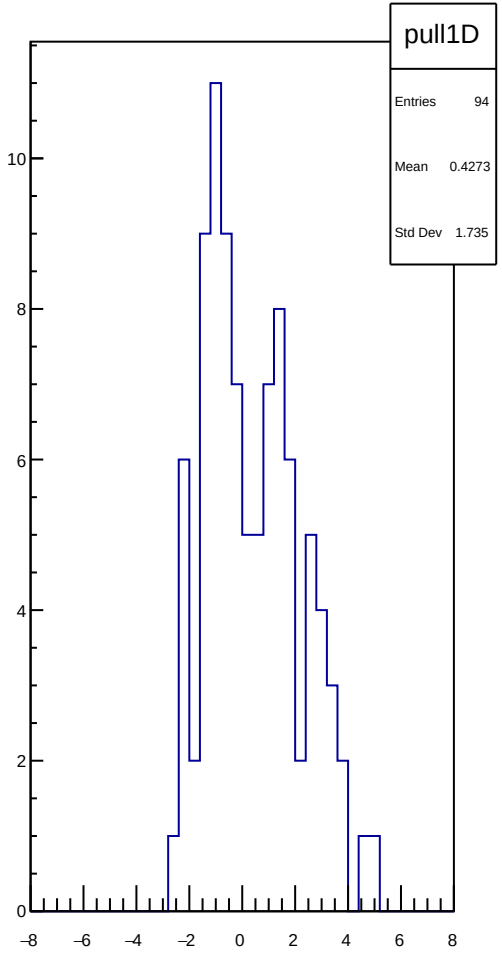

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.172 / 93
p0 61.11 ± 9.405
300
200
100
0
−100
−200
pull
Entries 94
Mean 77.06
Std Dev 34.76
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

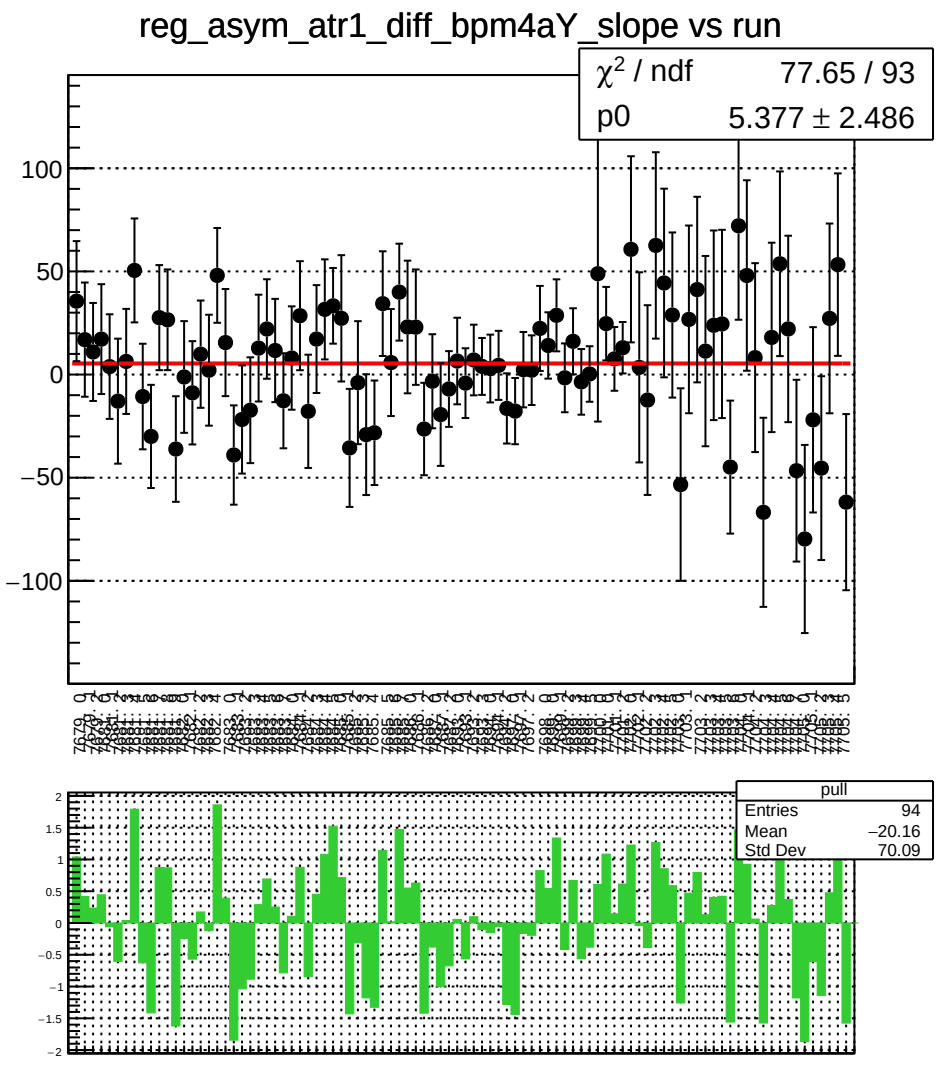

pull1D
Entries 94
Mean −0.06435
Std Dev 0.3057
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

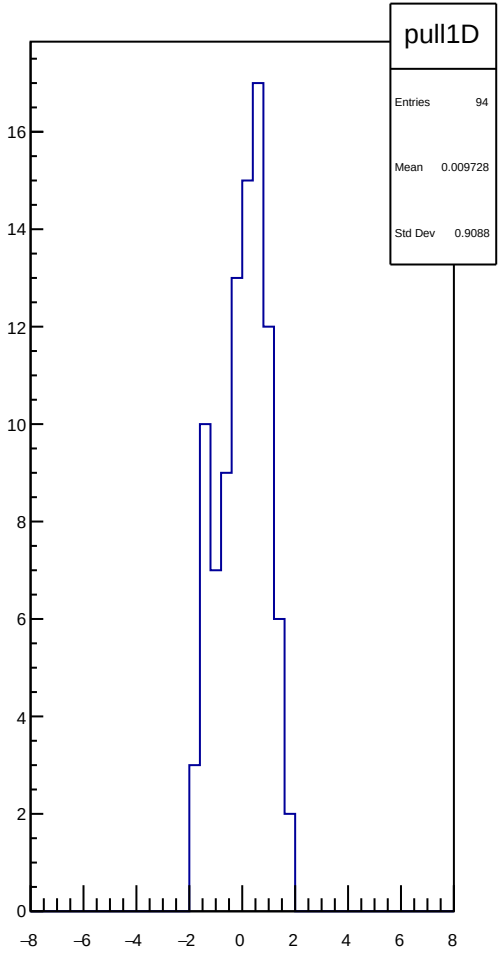

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 574.5 / 93
p0 −264.5 ± 0.4686
pull
Entries 94
Mean −303
Std Dev 353.7

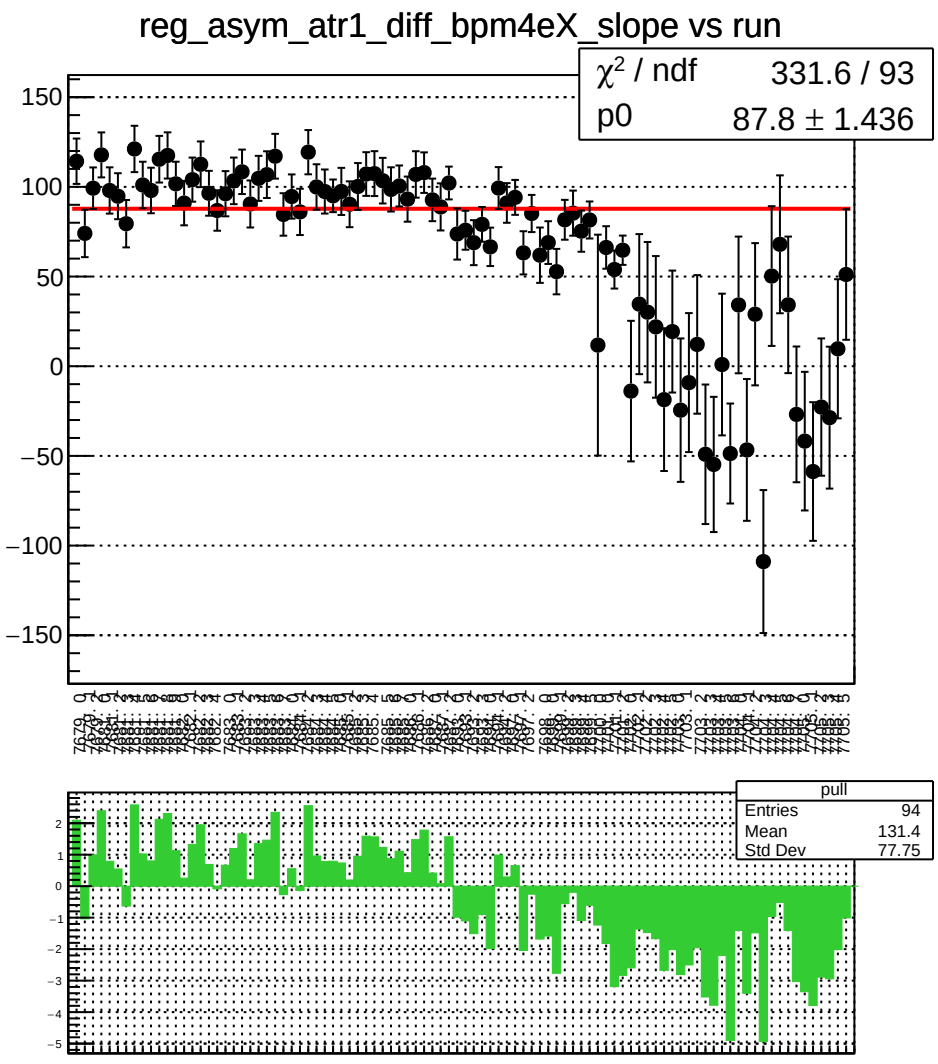

pull1D
Entries 94
Mean −0.1642
Std Dev 2.467

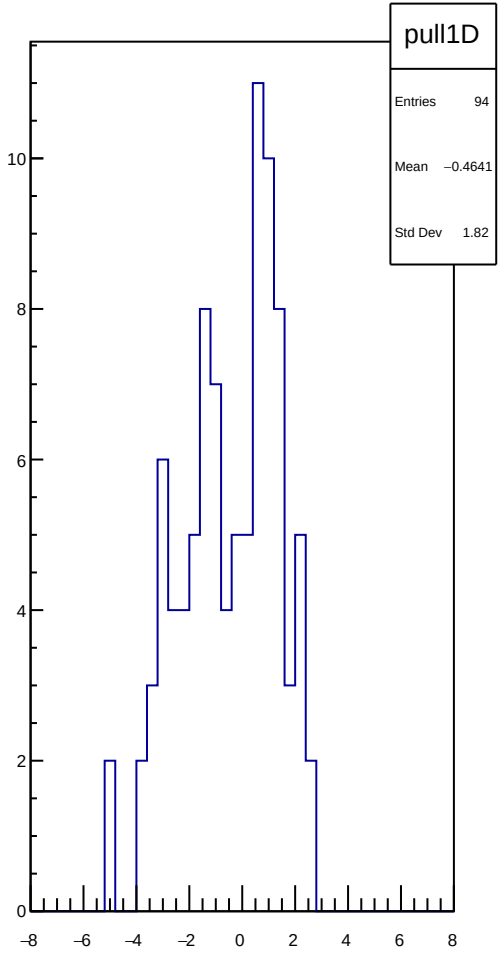

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 300.2 / 93
p0 −151.7 ± 1.78
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean 133.9
Std Dev 79.94
5
4
3
2
1
0
−1
−2

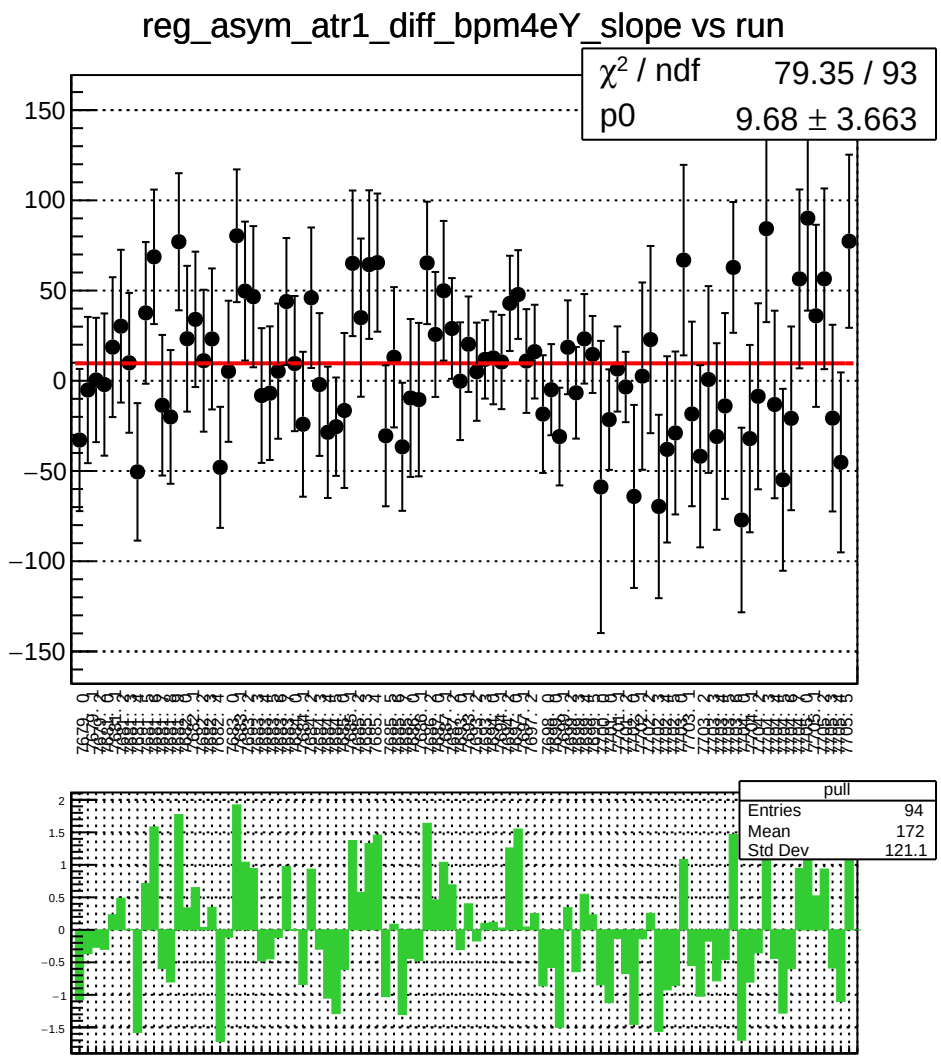

pull1D
Entries 94
Mean 0.4273
Std Dev 1.735
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

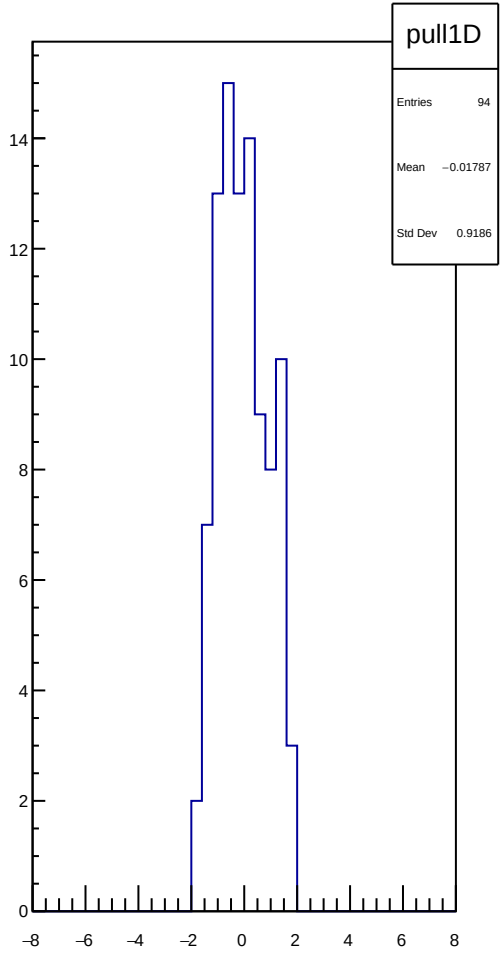

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 77.65 / 93
p0 5.377 ± 2.486
pull
Entries 94
Mean −20.16
Std Dev 70.09

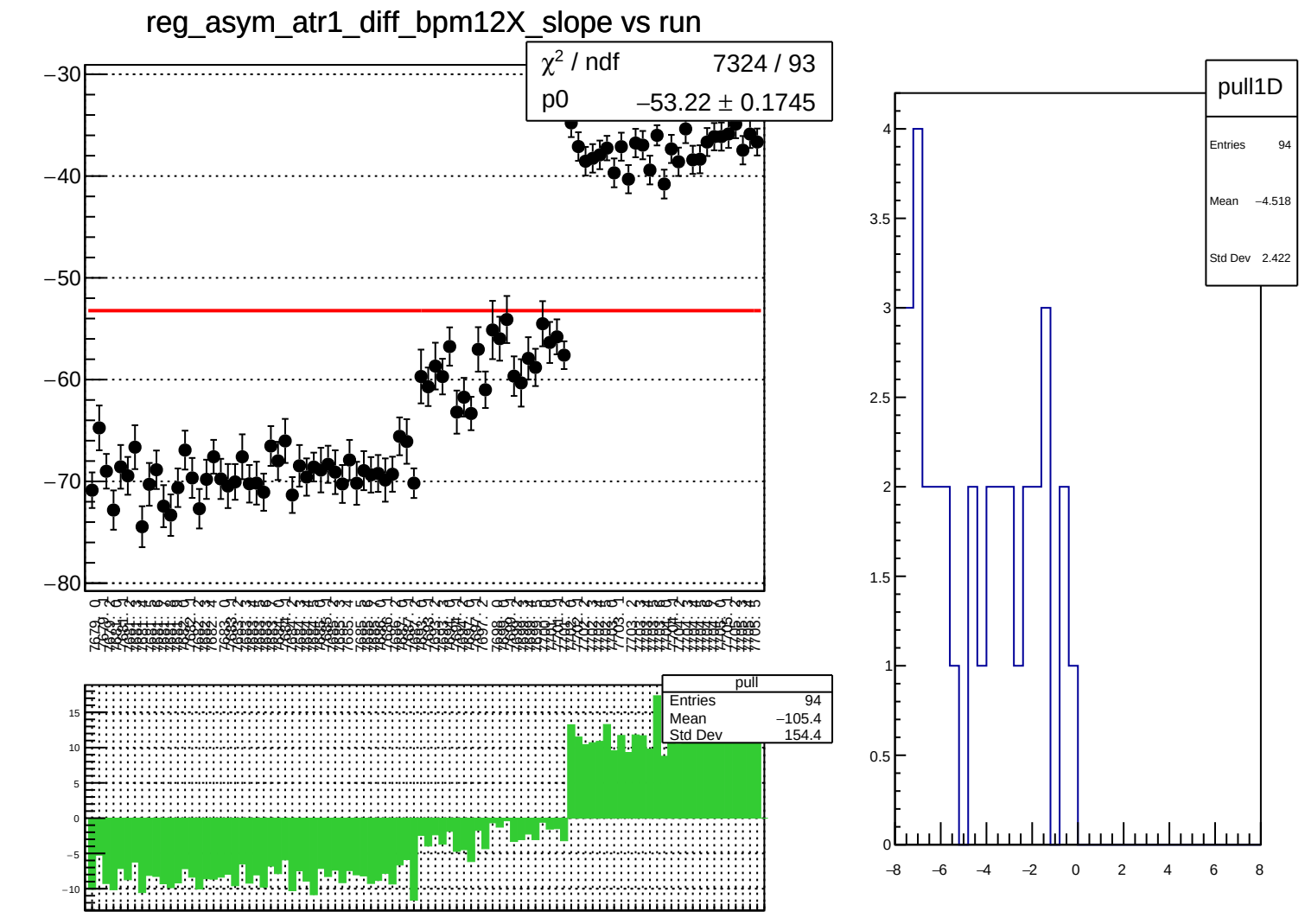

pull1D
Entries 94
Mean 0.009728
Std Dev 0.9088

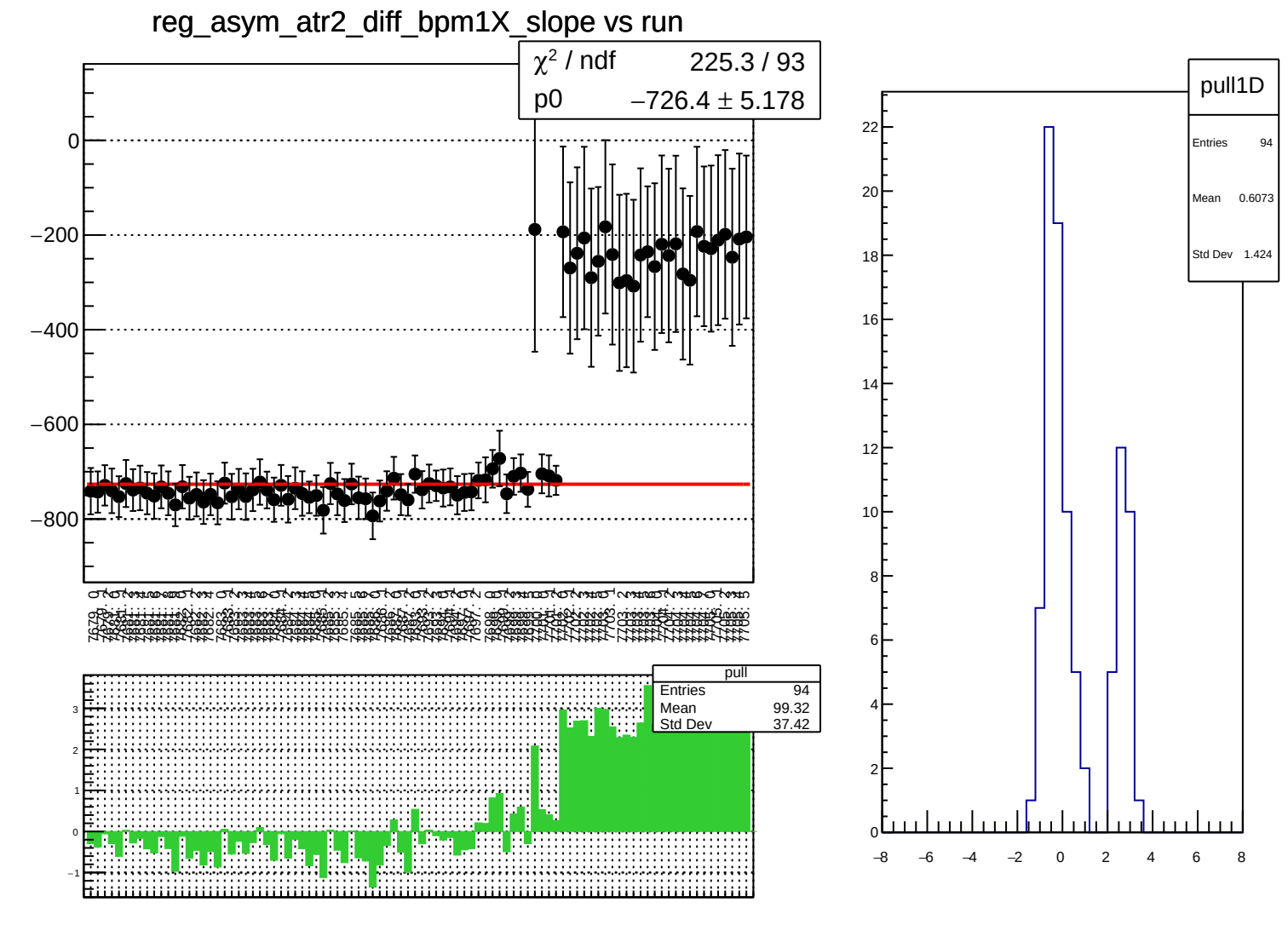

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 331.6 / 93
p0 87.8 ± 1.436
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean 131.4
Std Dev 77.75
2
1
0
−1
−2
−3
−4
−5

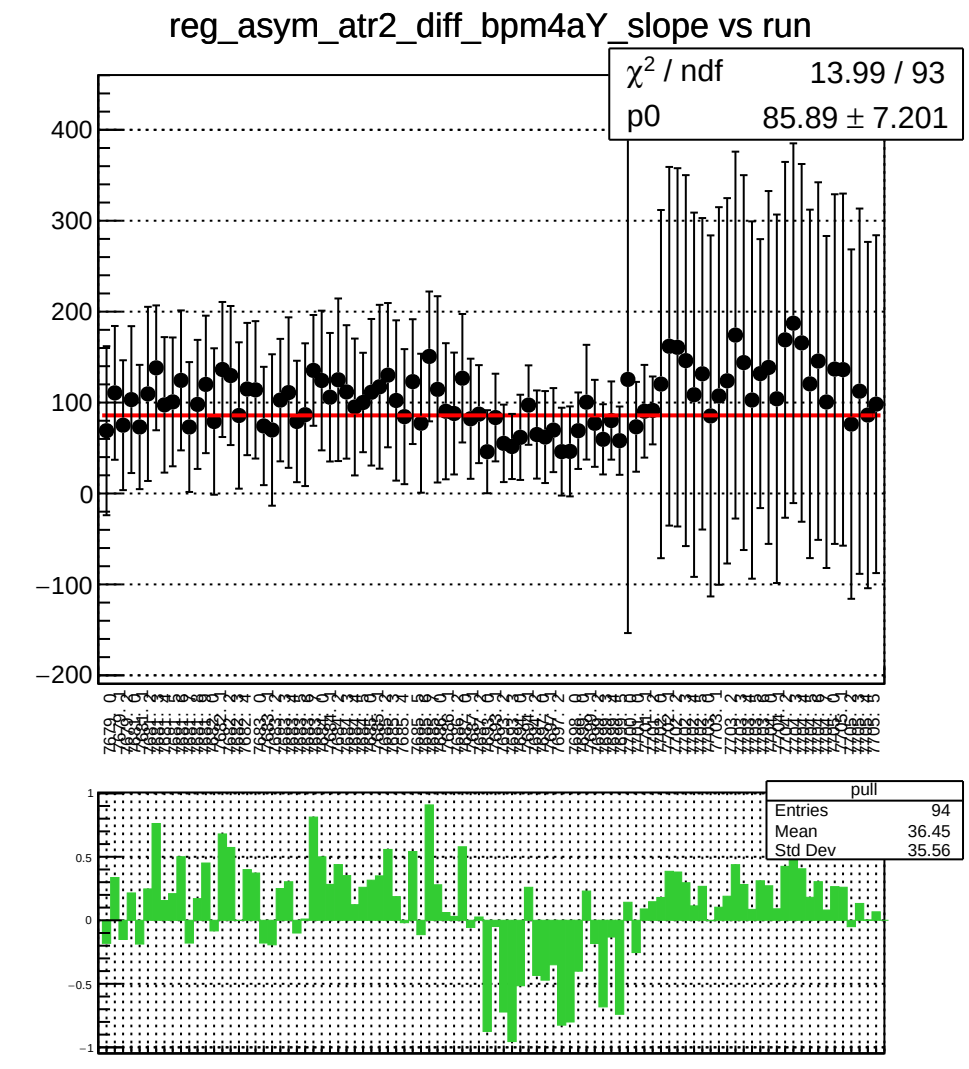

pull1D
Entries 94
Mean −0.4641
Std Dev 1.82
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

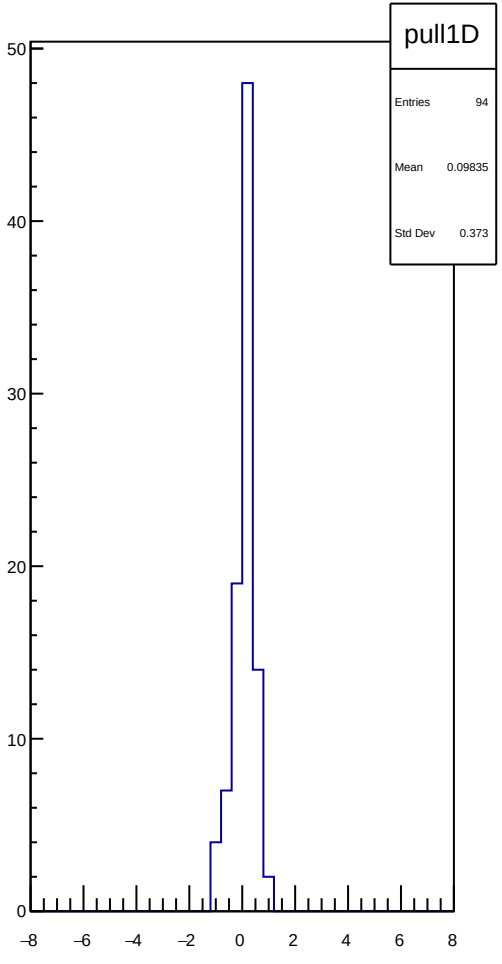

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 79.35 / 93
p0 9.68 ± 3.663
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean 172
Std Dev 121.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

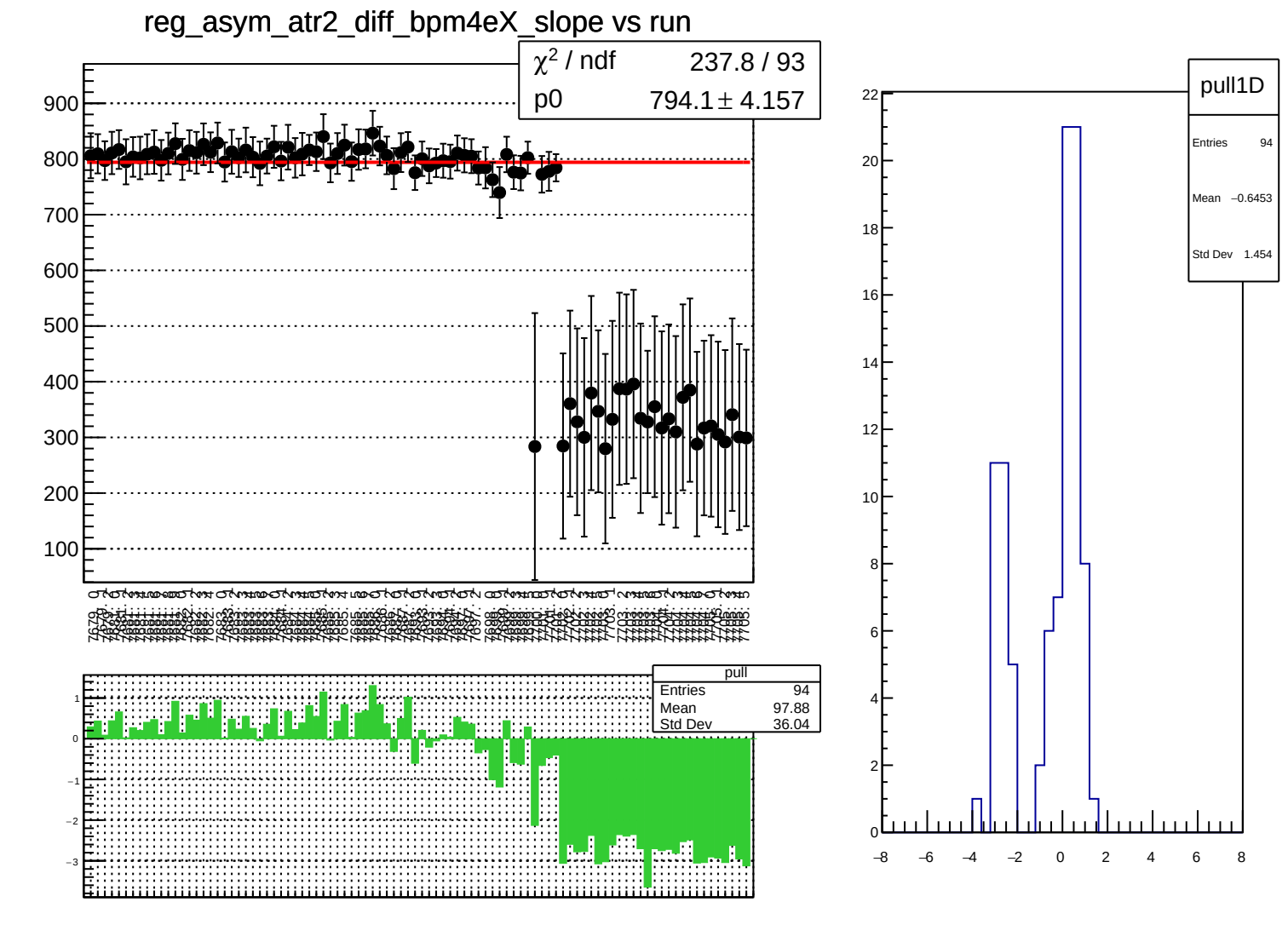

pull1D
Entries 94
Mean −0.01787
Std Dev 0.9186
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

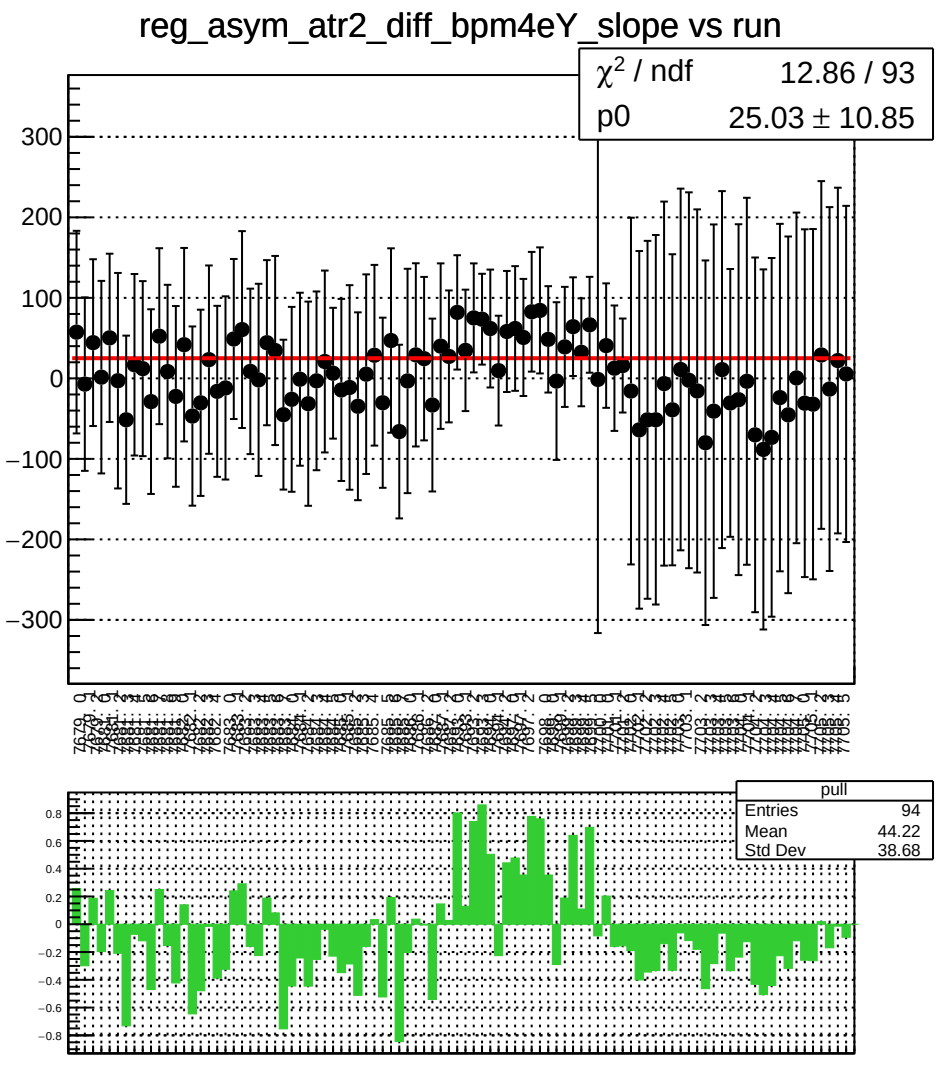

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 7324 / 93
p0 −53.22 ± 0.1745
pull
Entries 94
Mean −105.4
Std Dev 154.4
pull1D
Entries 94
Mean −4.518
Std Dev 2.422

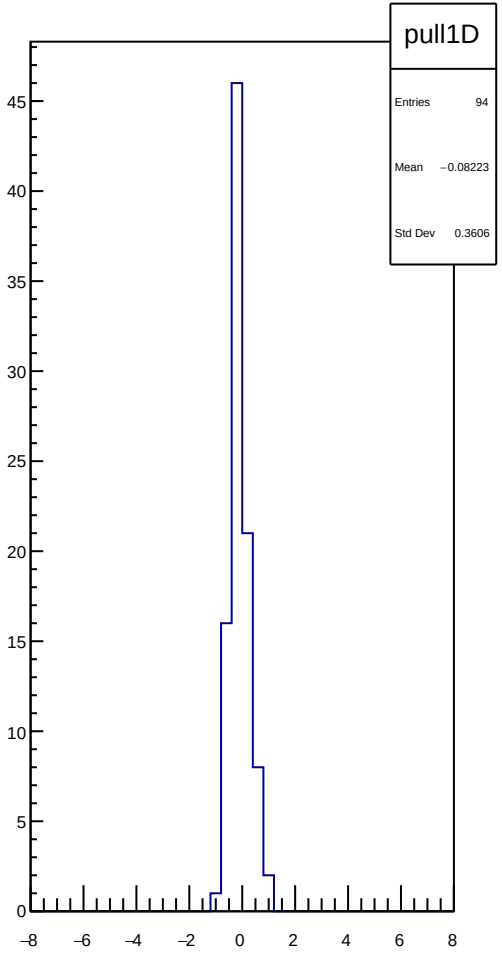

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 225.3 / 93
p0 −726.4 ± 5.178
0
−200
−400
−600
−800
pull
Entries 94
Mean 99.32
Std Dev 37.42
3
2
1
0
−1
pull1D
Entries 94
Mean 0.6073
Std Dev 1.424
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

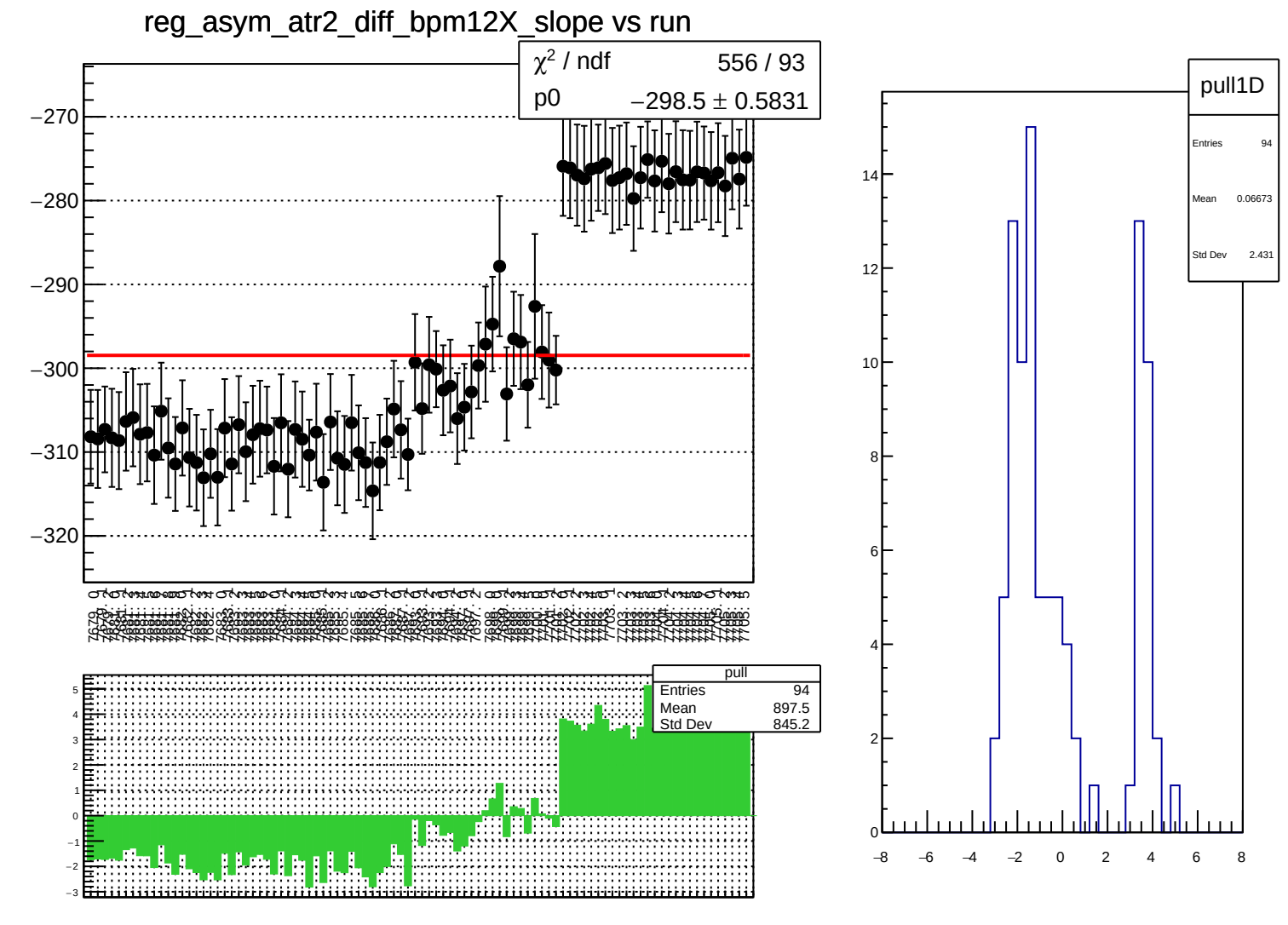

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 13.99 / 93
p0 85.89 ± 7.201
pull
Entries 94
Mean 36.45
Std Dev 35.56

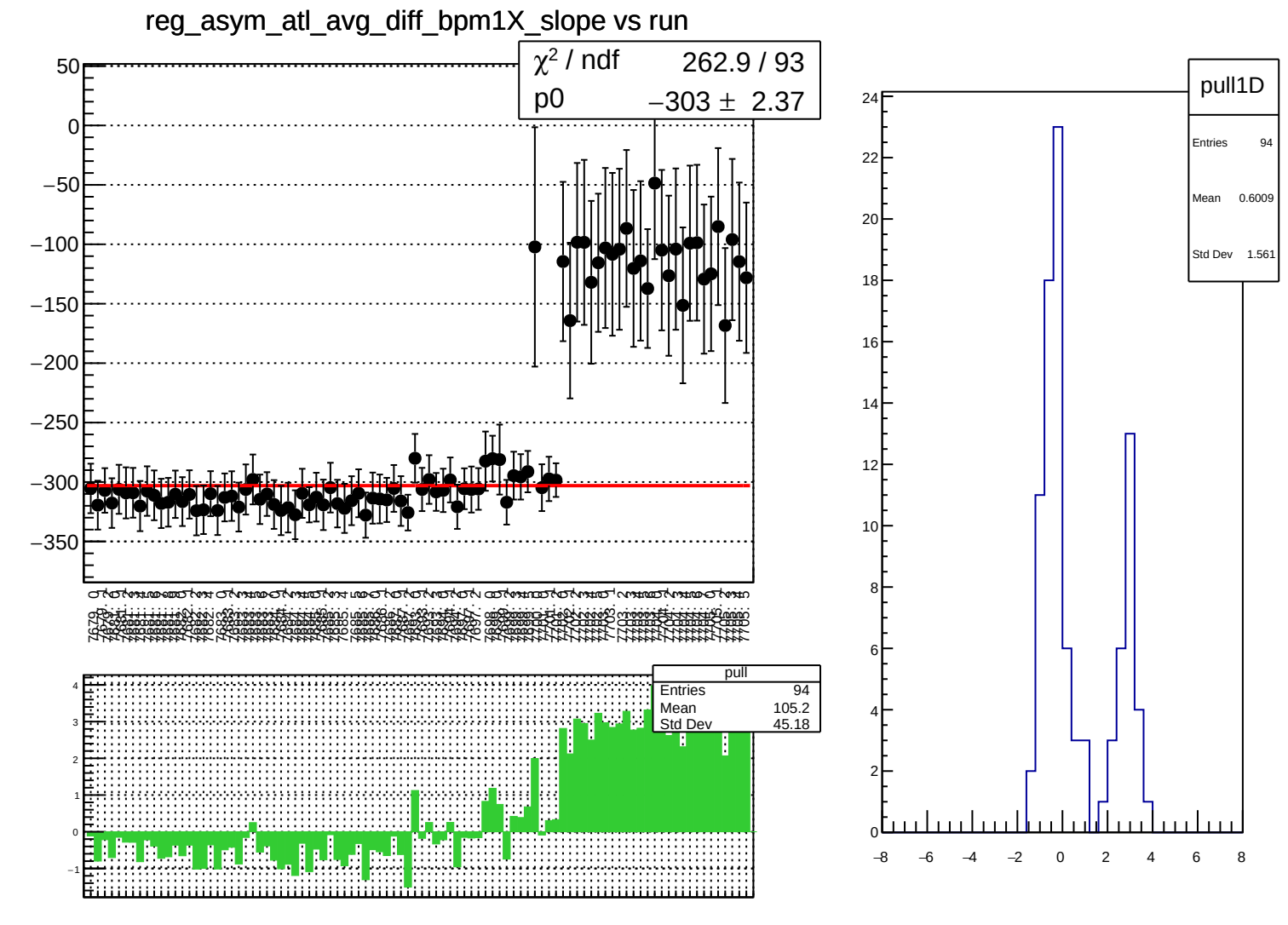

pull1D
Entries 94
Mean 0.09835
Std Dev 0.373

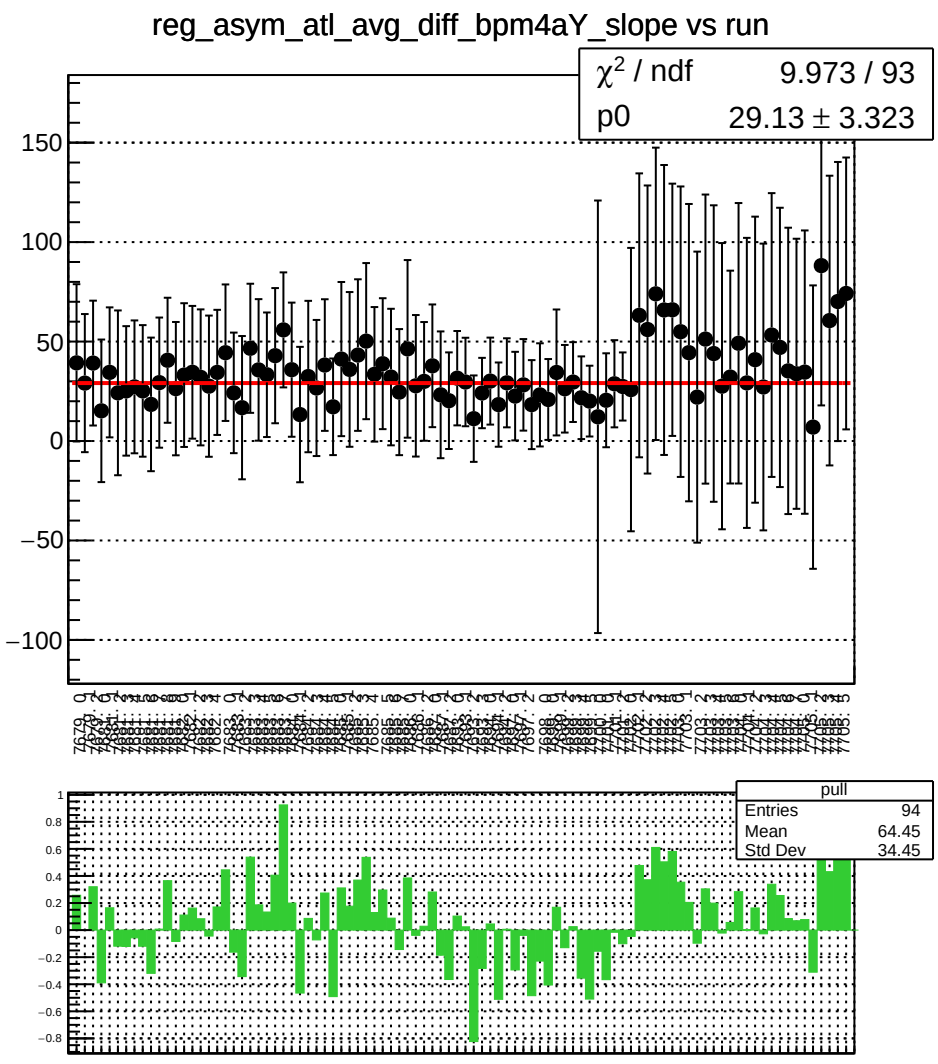

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 237.8 / 93
p0 794.1 ± 4.157
pull
Entries 94
Mean 97.88
Std Dev 36.04
pull1D
Entries 94
Mean −0.6453
Std Dev 1.454

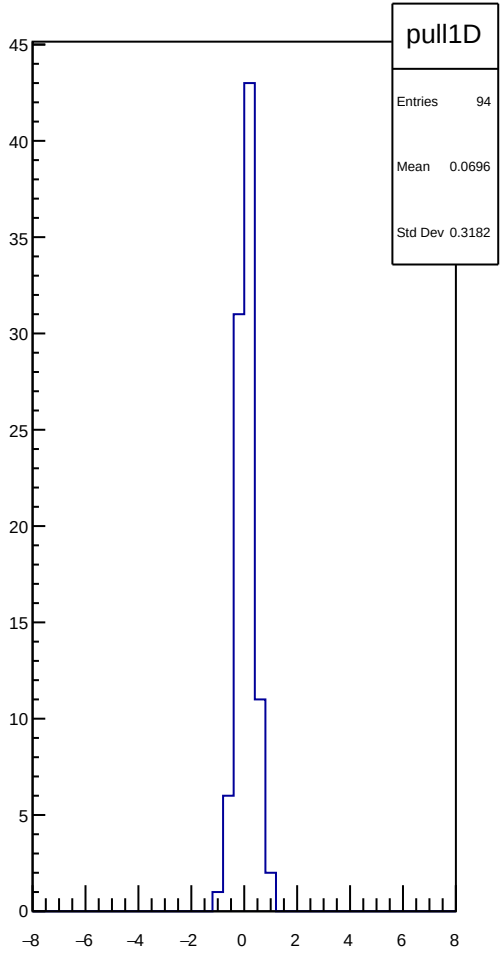

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 12.86 / 93
p0 25.03 ± 10.85
pull
Entries 94
Mean 44.22
Std Dev 38.68

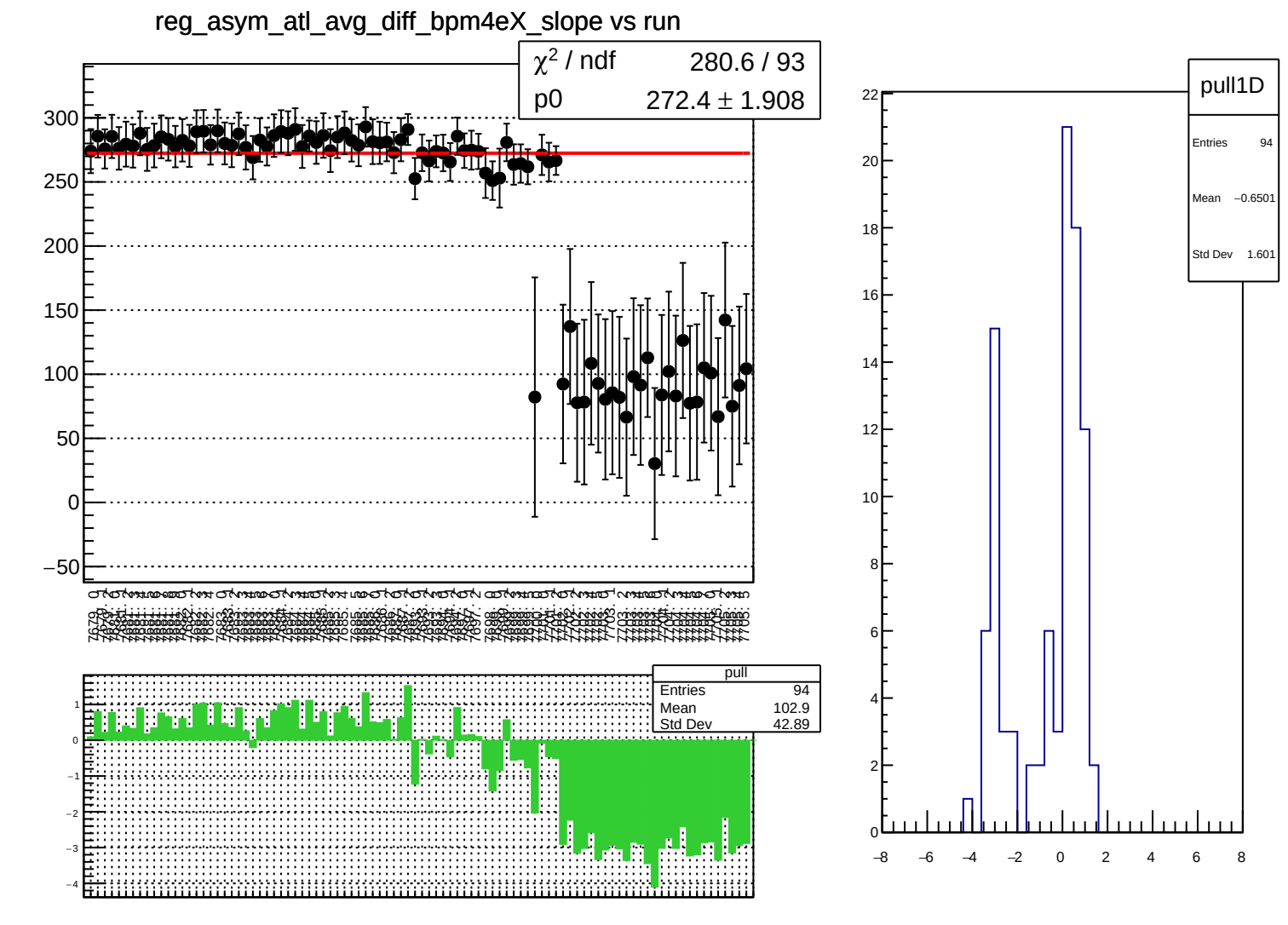

pull1D
Entries 94
Mean −0.08223
Std Dev 0.3606

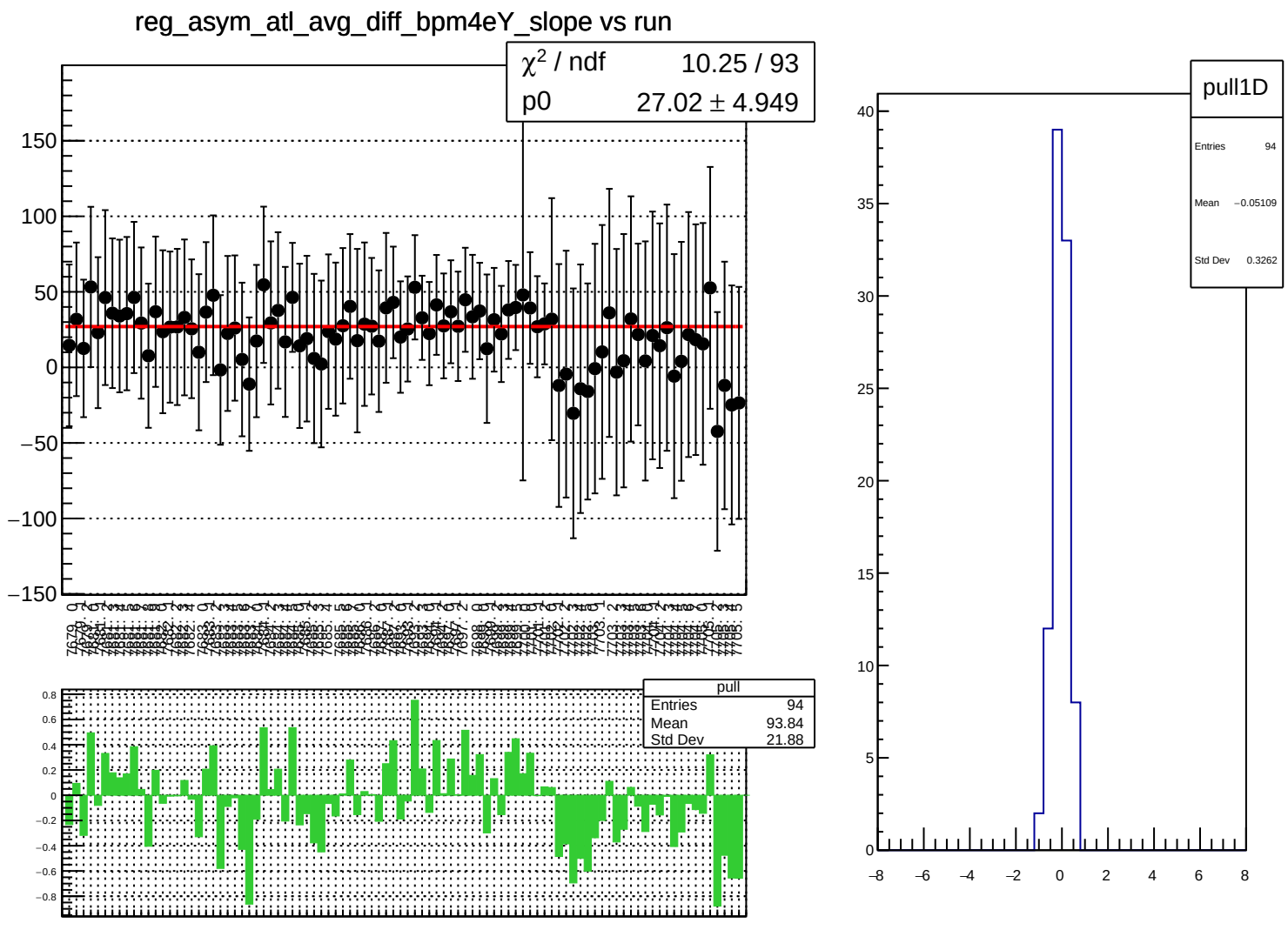

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 556 / 93
p0 −298.5 ± 0.5831
−270
−280
−290
−300
−310
−320
pull
Entries 94
Mean 897.5
Std Dev 845.2
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 94
Mean 0.06673
Std Dev 2.431
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

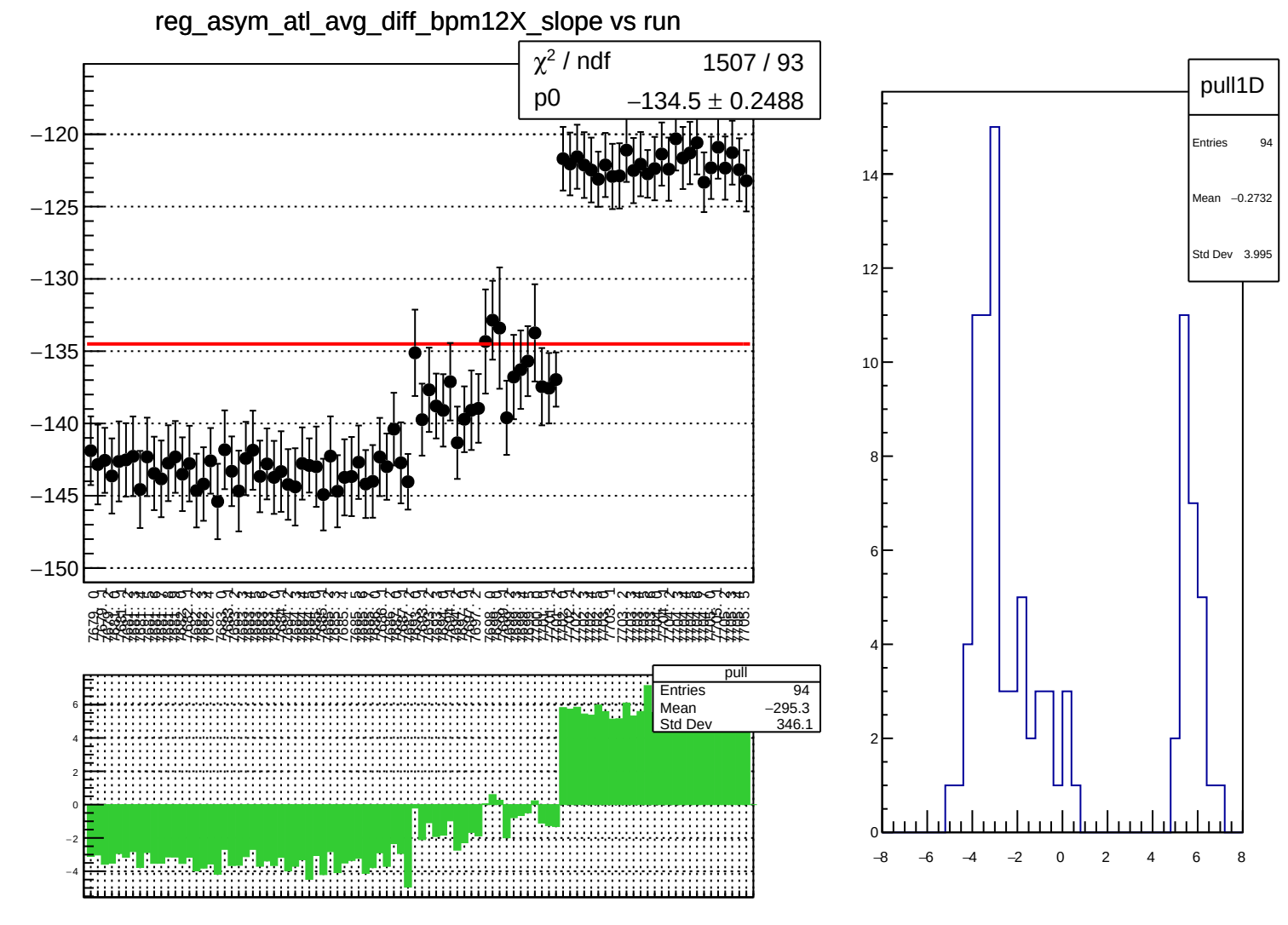

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 262.9 / 93
p0 −303 ± 2.37
pull
Entries 94
Mean 105.2
Std Dev 45.18
pull1D
Entries 94
Mean 0.6009
Std Dev 1.561

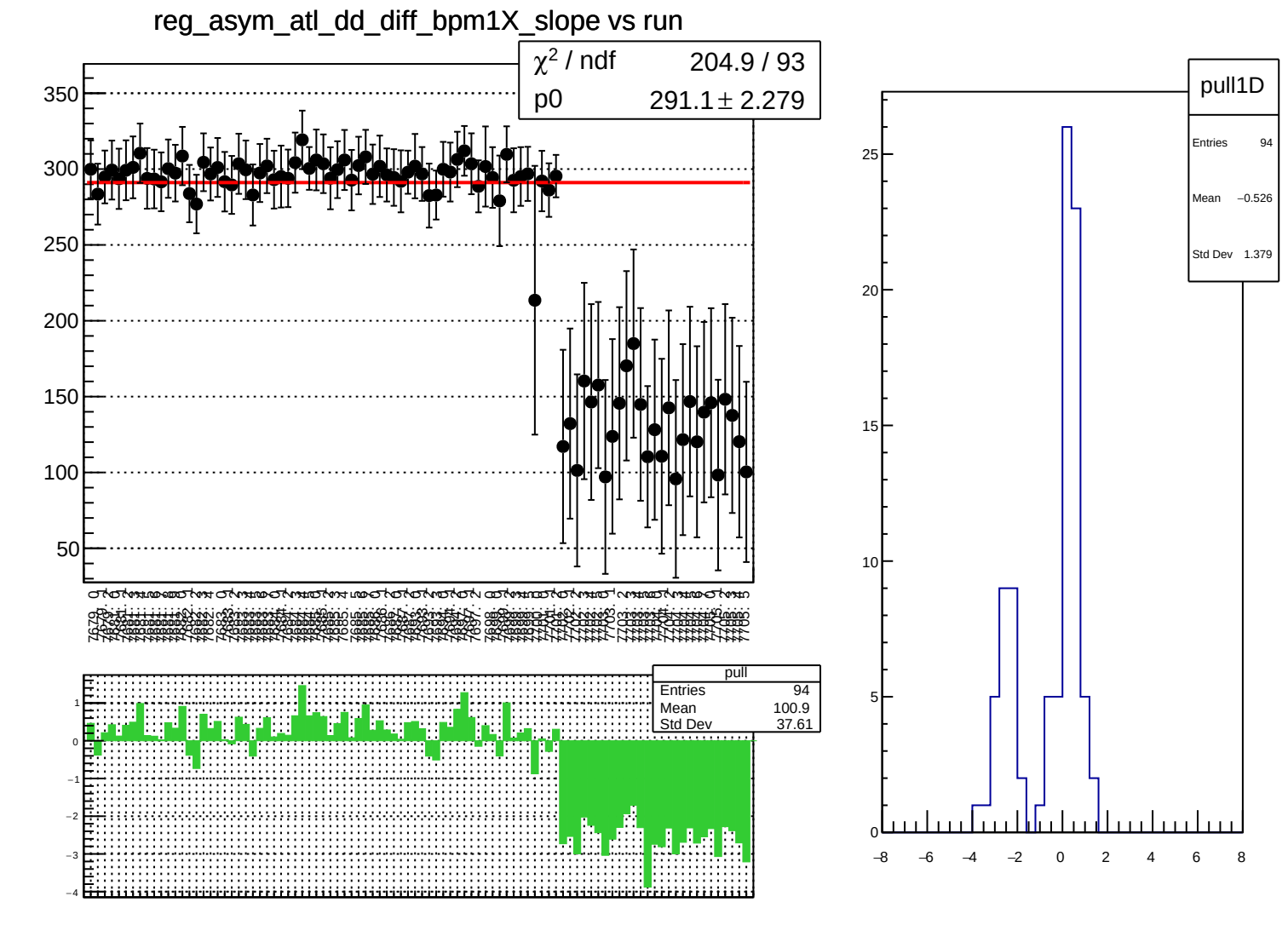

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.973 / 93
p0 29.13 ± 3.323
150
100
50
0
−50
−100
pull
Entries 94
Mean 64.45
Std Dev 34.45
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

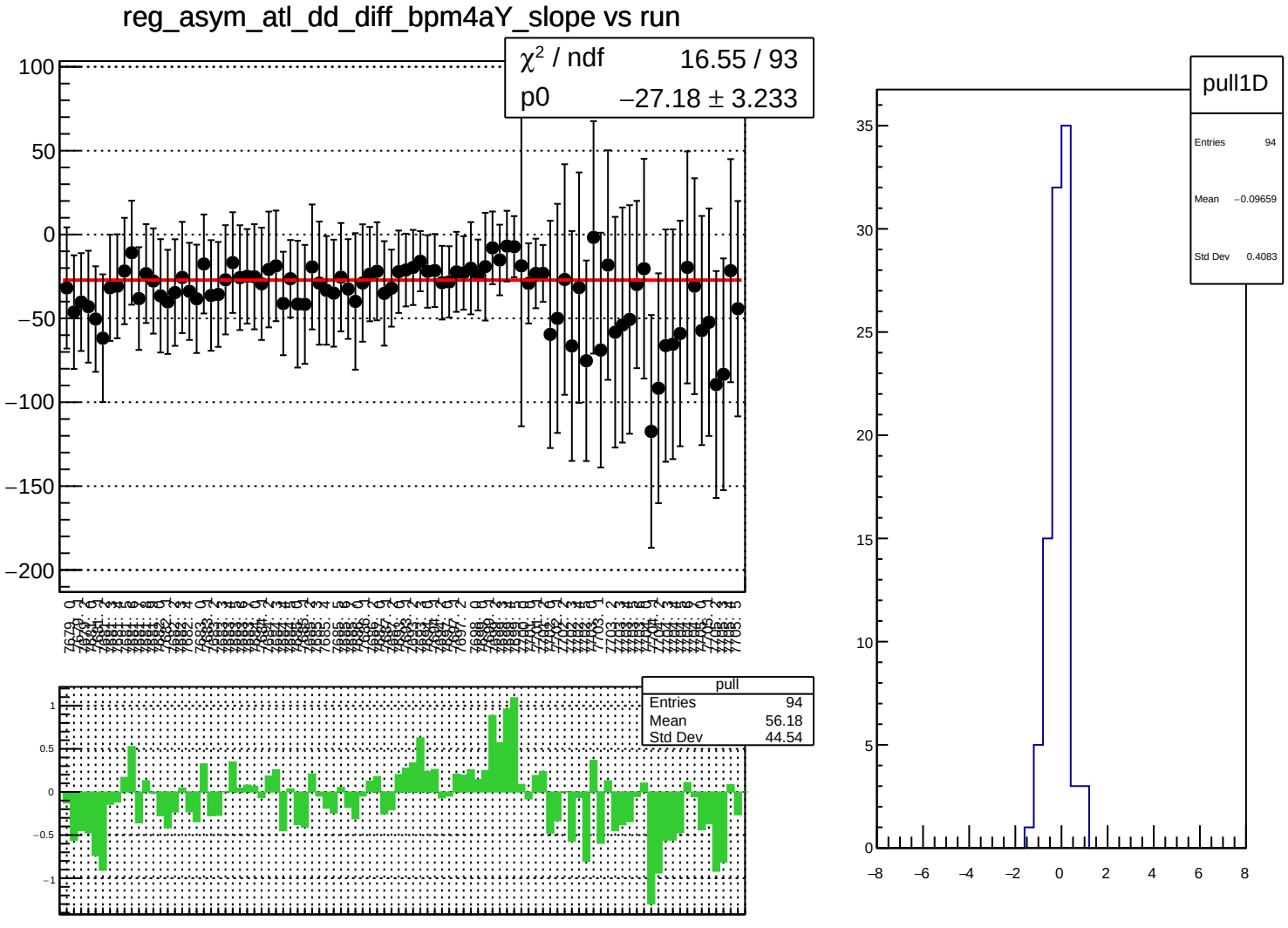

pull1D
Entries 94
Mean 0.0696
Std Dev 0.3182
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

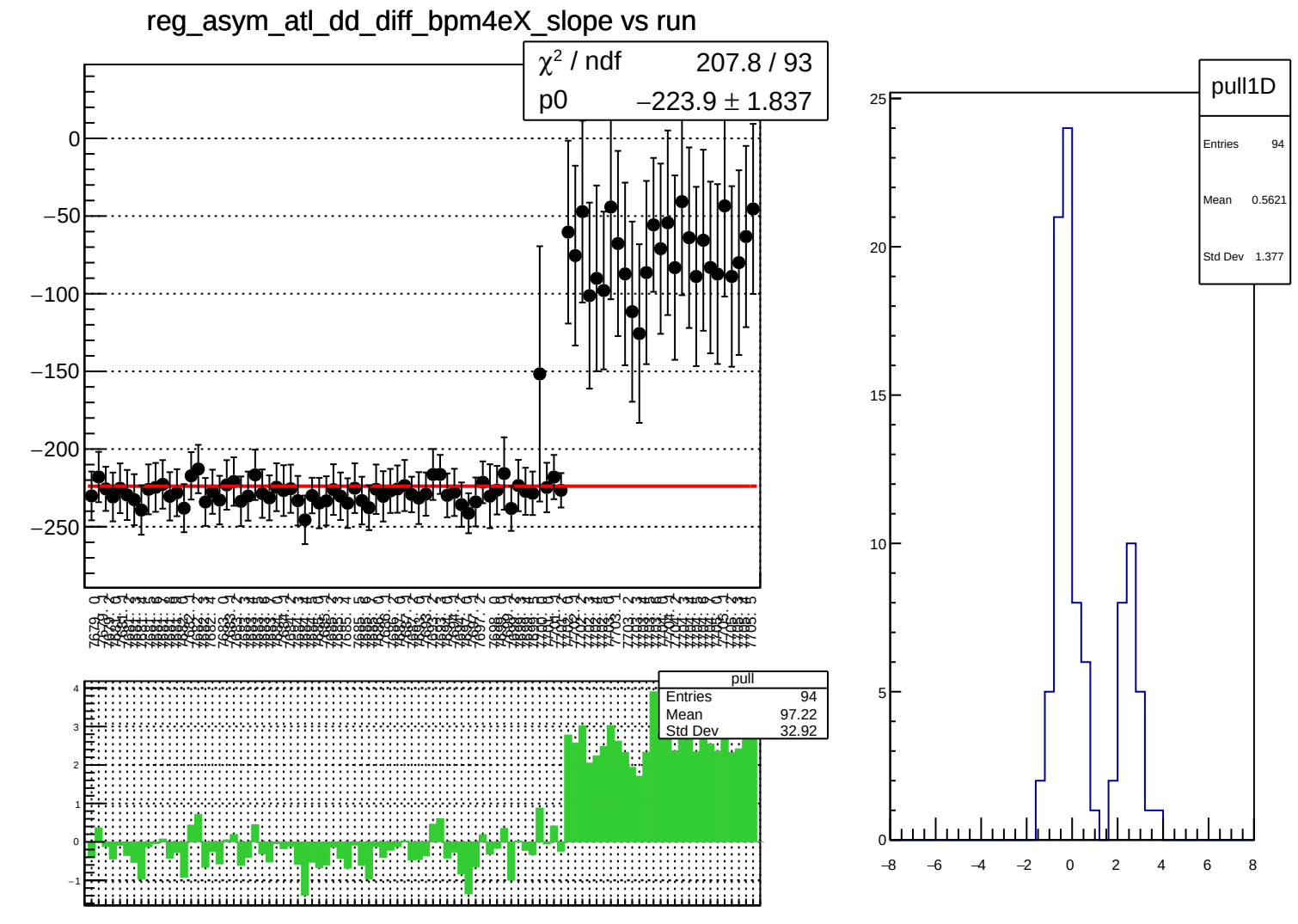

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 280.6 / 93
p0 272.4 ± 1.908
pull
Entries 94
Mean 102.9
Std Dev 42.89
pull1D
Entries 94
Mean −0.6501
Std Dev 1.601

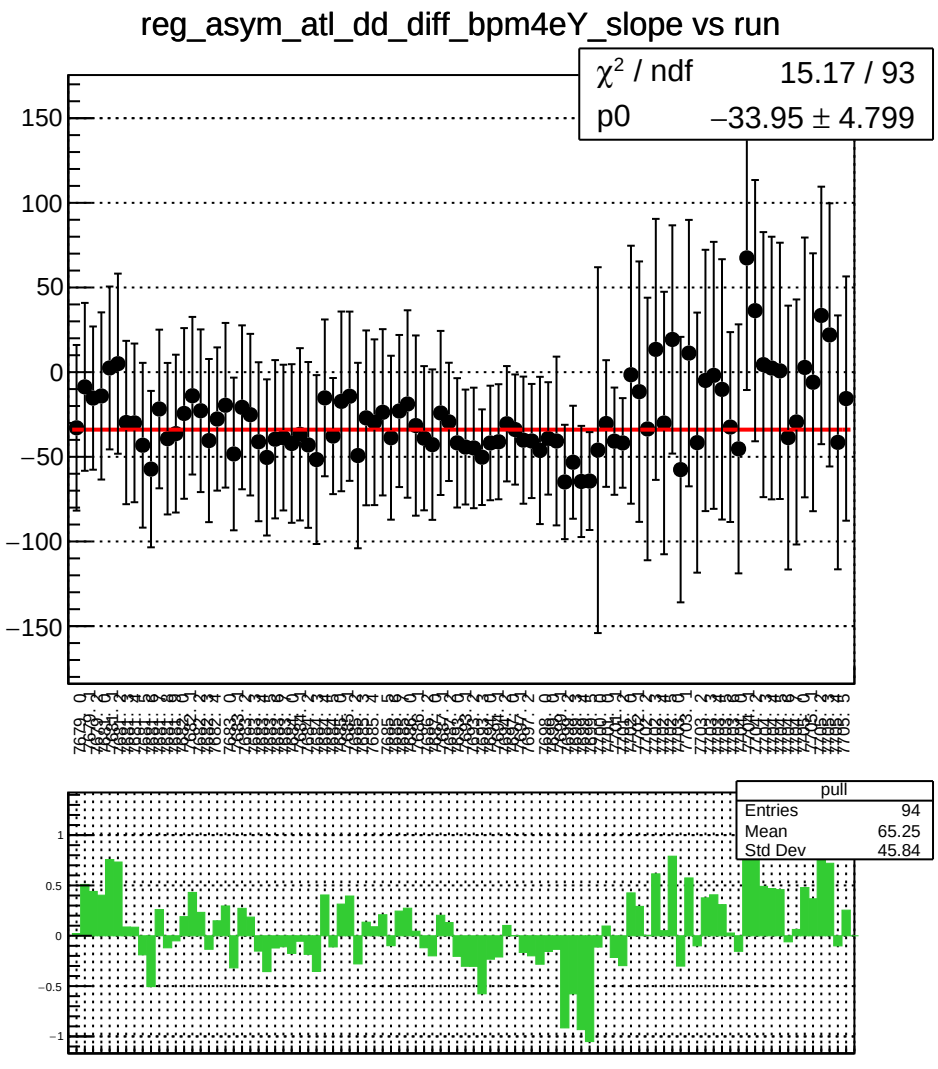

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.25 / 93
p0 27.02 ± 4.949
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean 93.84
Std Dev 21.88
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 94
Mean −0.05109
Std Dev 0.3262
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

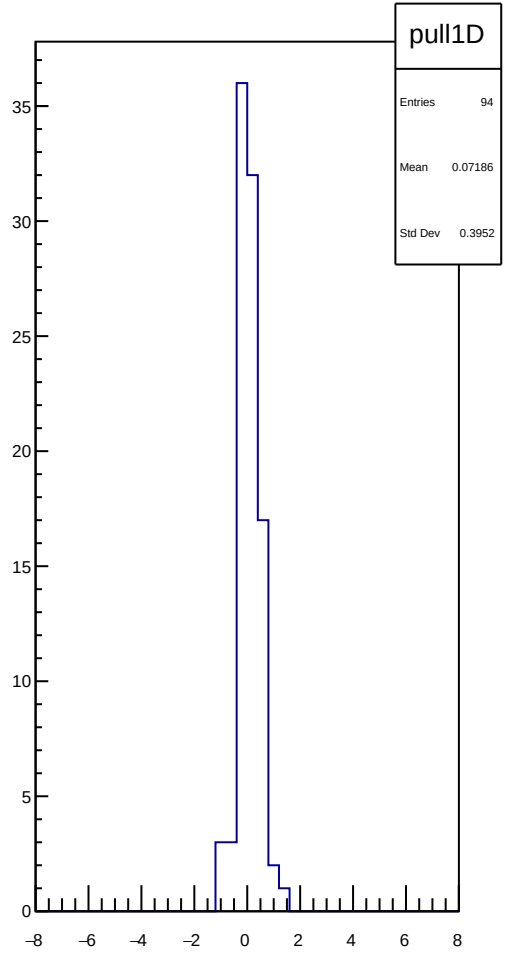

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 1507 / 93
p0 −134.5 ± 0.2488
pull
Entries 94
Mean −295.3
Std Dev 346.1
pull1D
Entries 94
Mean −0.2732
Std Dev 3.995

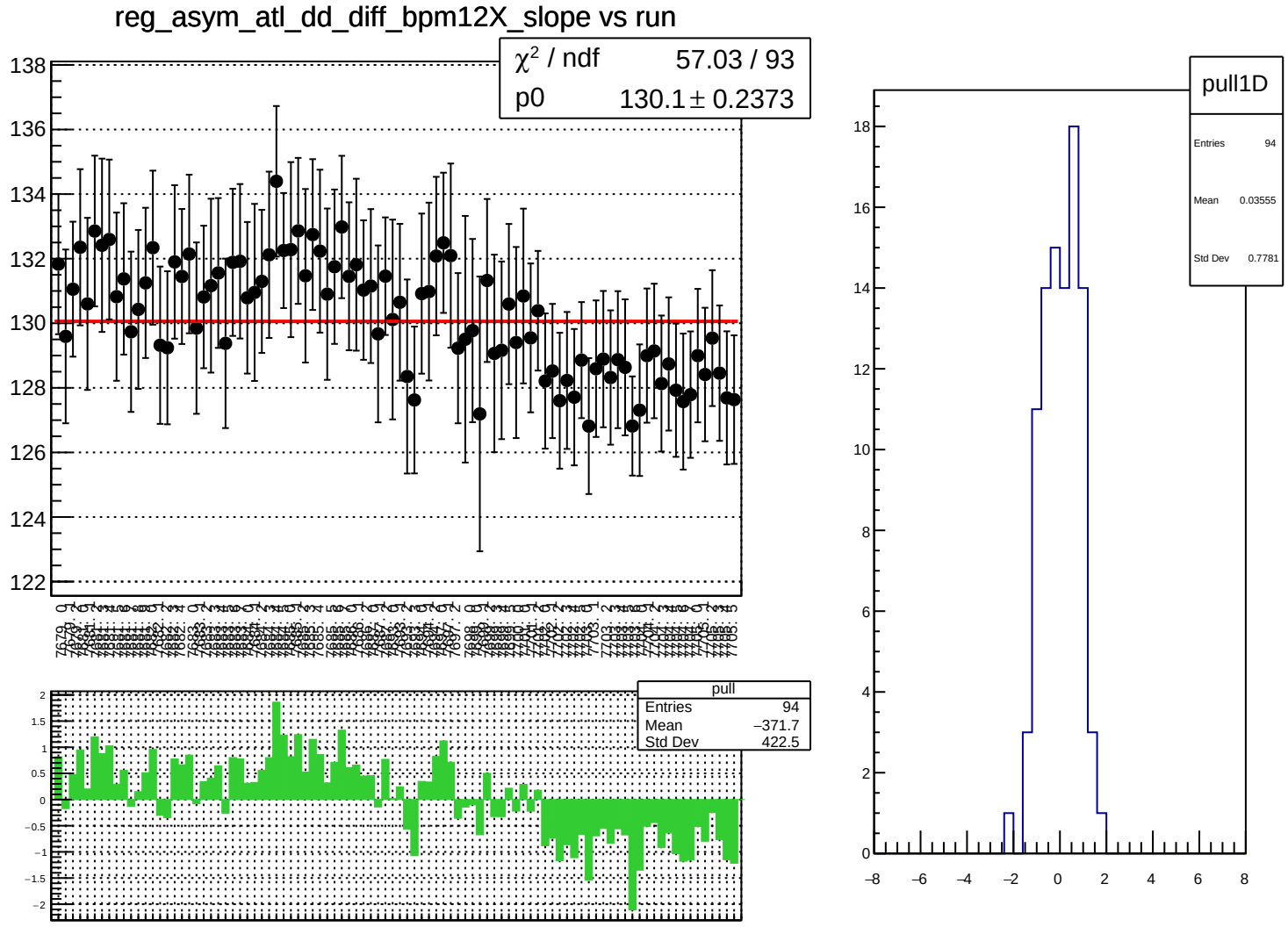

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 204.9 / 93
p0 291.1 ± 2.279
350
300
250
200
150
100
50
pull
Entries 94
Mean 100.9
Std Dev 37.61
1
0
−1
−2
−3
−4
pull1D
Entries 94
Mean −0.526
Std Dev 1.379
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

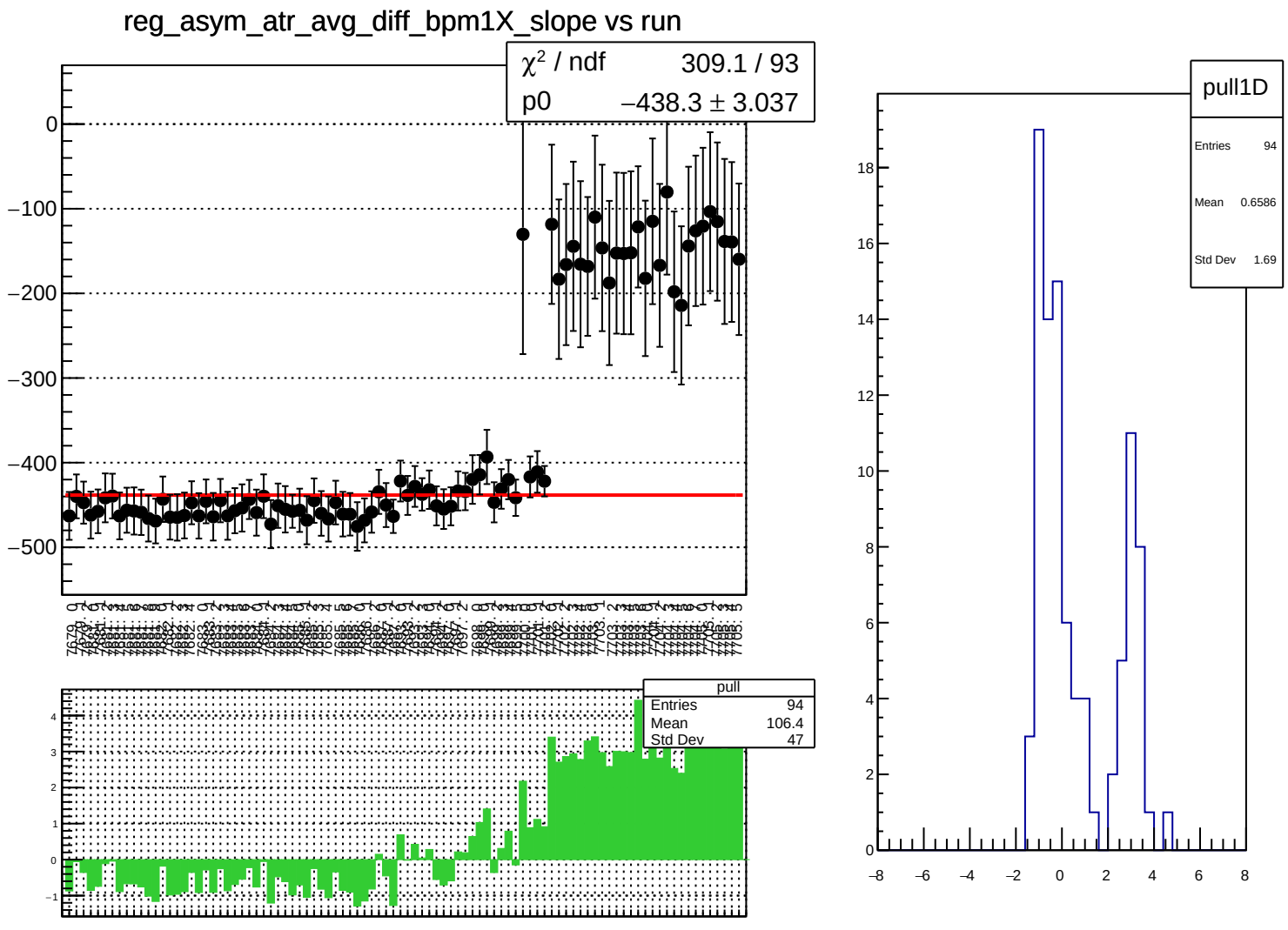

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.55 / 93
p0 −27.18 ± 3.233
pull
Entries 94
Mean 56.18
Std Dev 44.54
pull1D
Entries 94
Mean −0.09659
Std Dev 0.4083

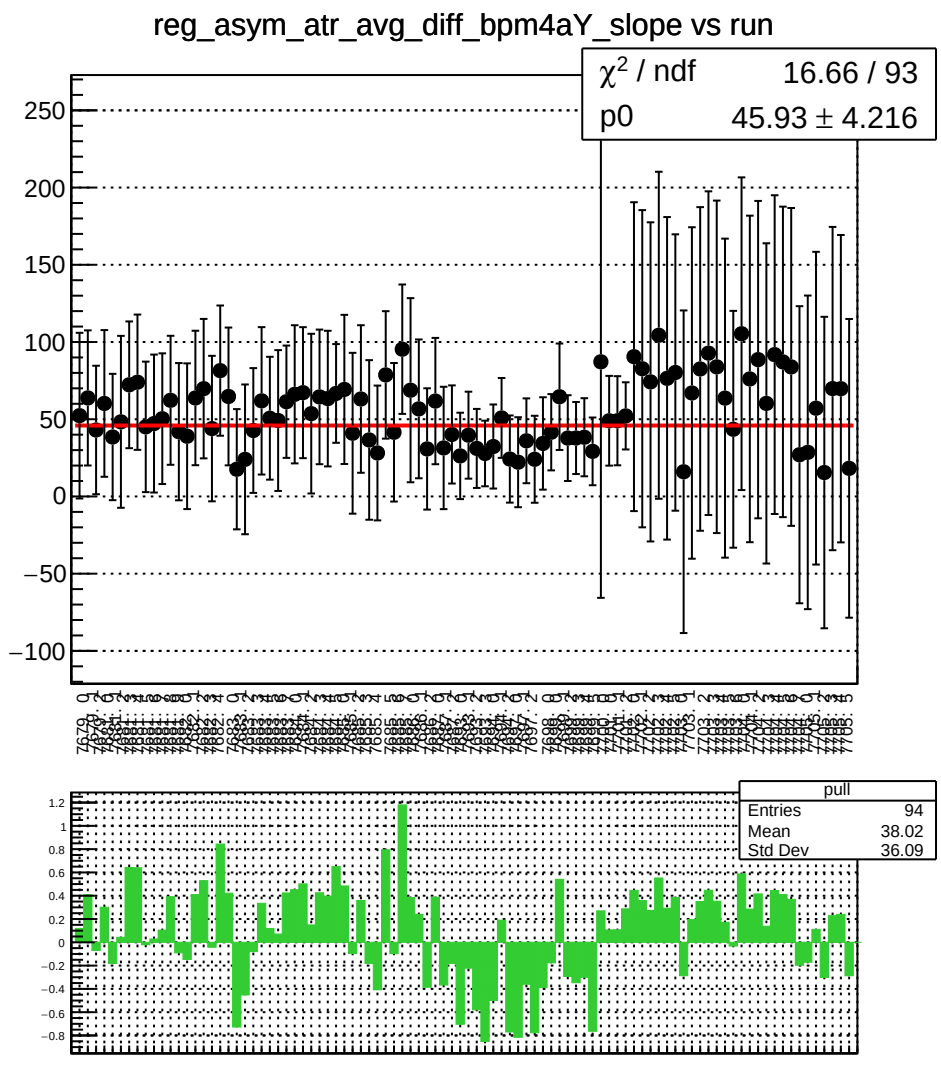

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 207.8 / 93
p0 −223.9 ± 1.837
0
−50
−100
−150
−200
−250
pull
Entries 94
Mean 97.22
Std Dev 32.92
4
3
2
1
0
−1
pull1D
Entries 94
Mean 0.5621
Std Dev 1.377
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

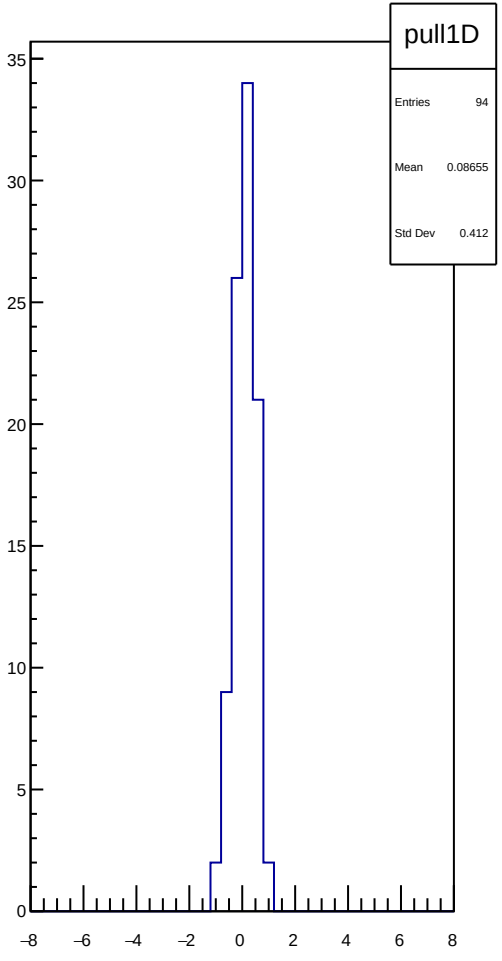

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.17 / 93
p0 −33.95 ± 4.799
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean 65.25
Std Dev 45.84
1
0.5
0
−0.5
−1

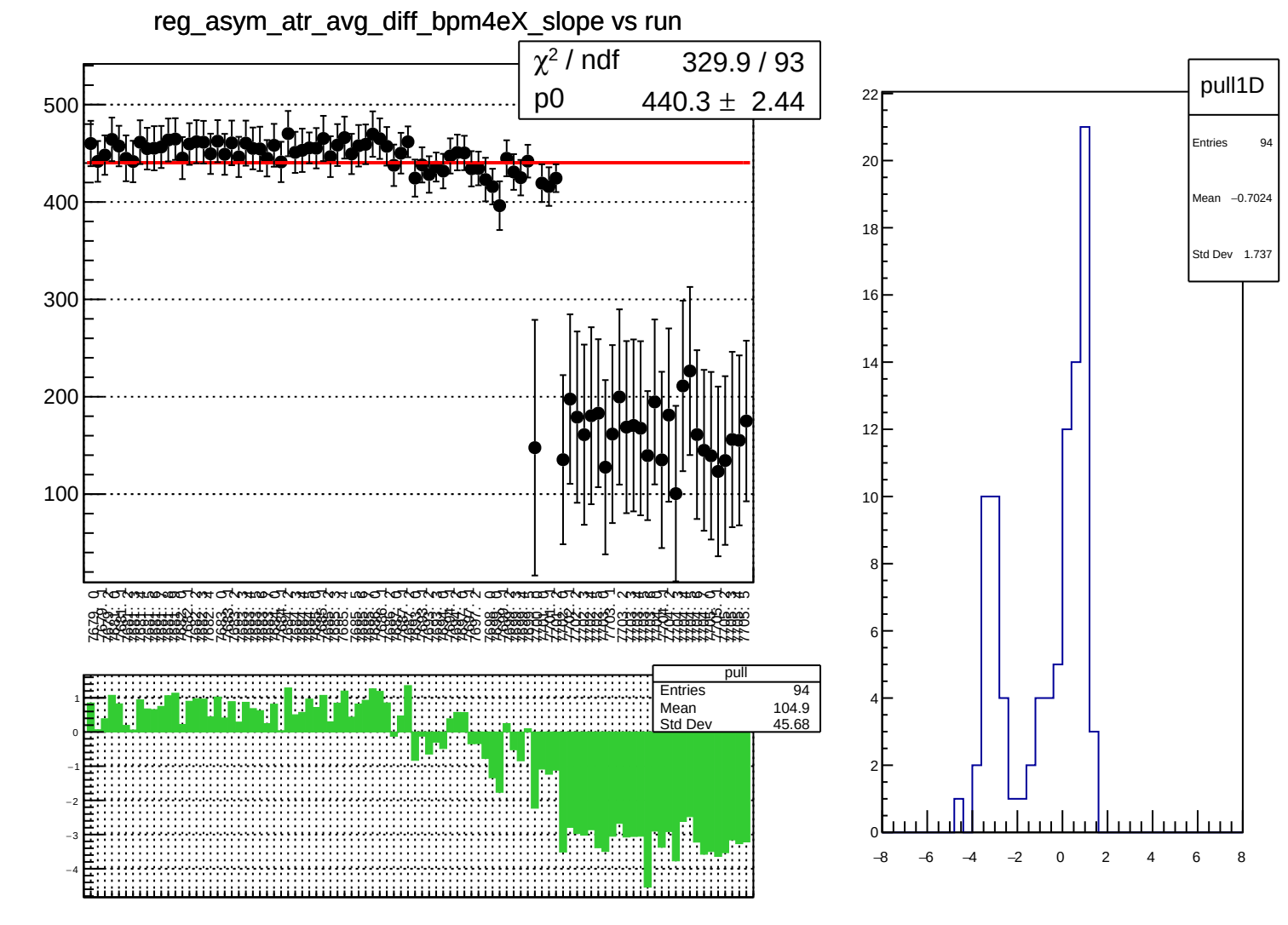

pull1D
Entries 94
Mean 0.07186
Std Dev 0.3952
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

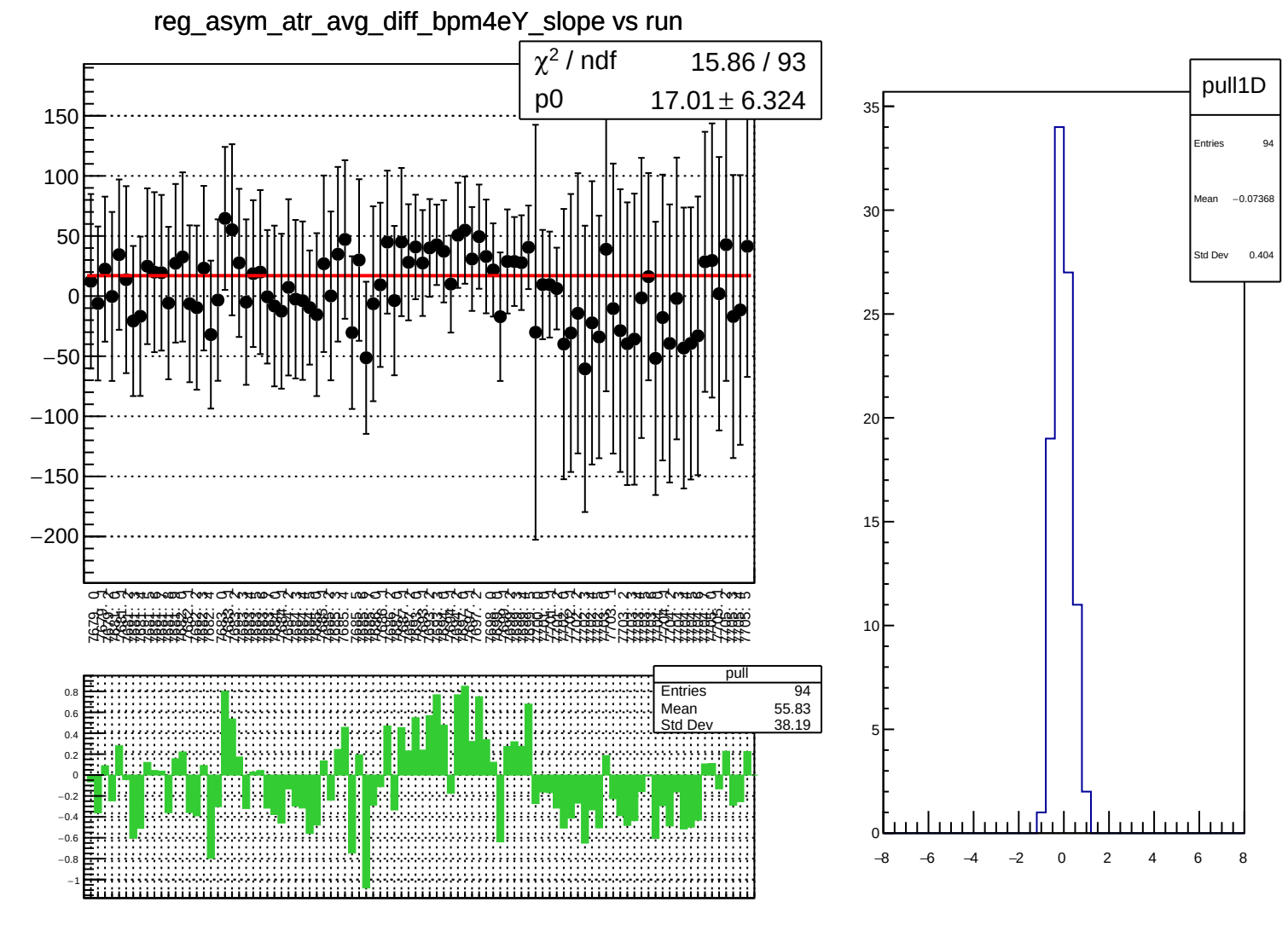

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 57.03 / 93
p0 130.1 ± 0.2373
pull
Entries 94
Mean −371.7
Std Dev 422.5
pull1D
Entries 94
Mean 0.03555
Std Dev 0.7781

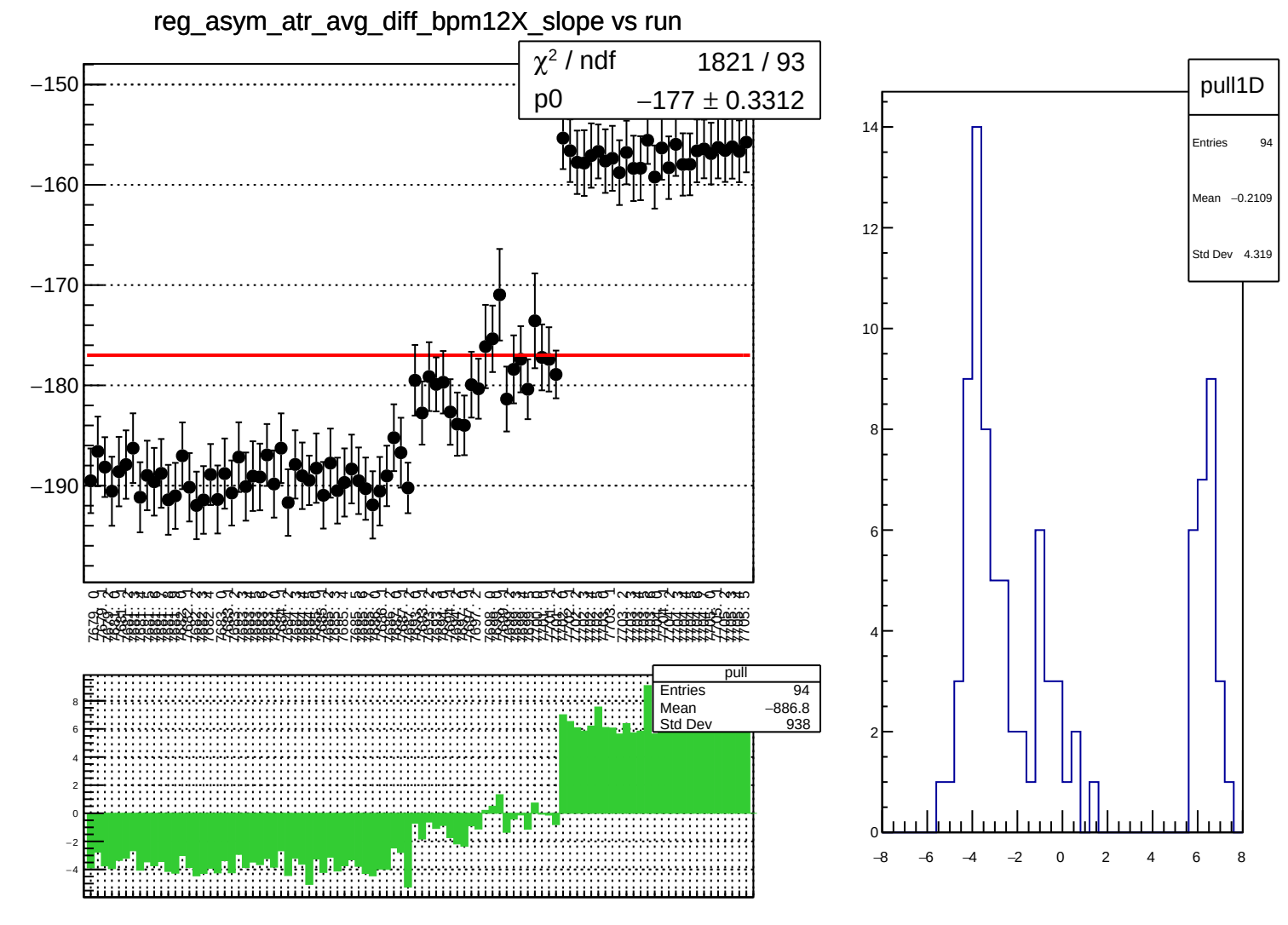

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 309.1 / 93
p0 −438.3 ± 3.037
0
−100
−200
−300
−400
−500
pull
Entries 94
Mean 106.4
Std Dev 47
4
3
2
1
0
−1
pull1D
Entries 94
Mean 0.6586
Std Dev 1.69
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

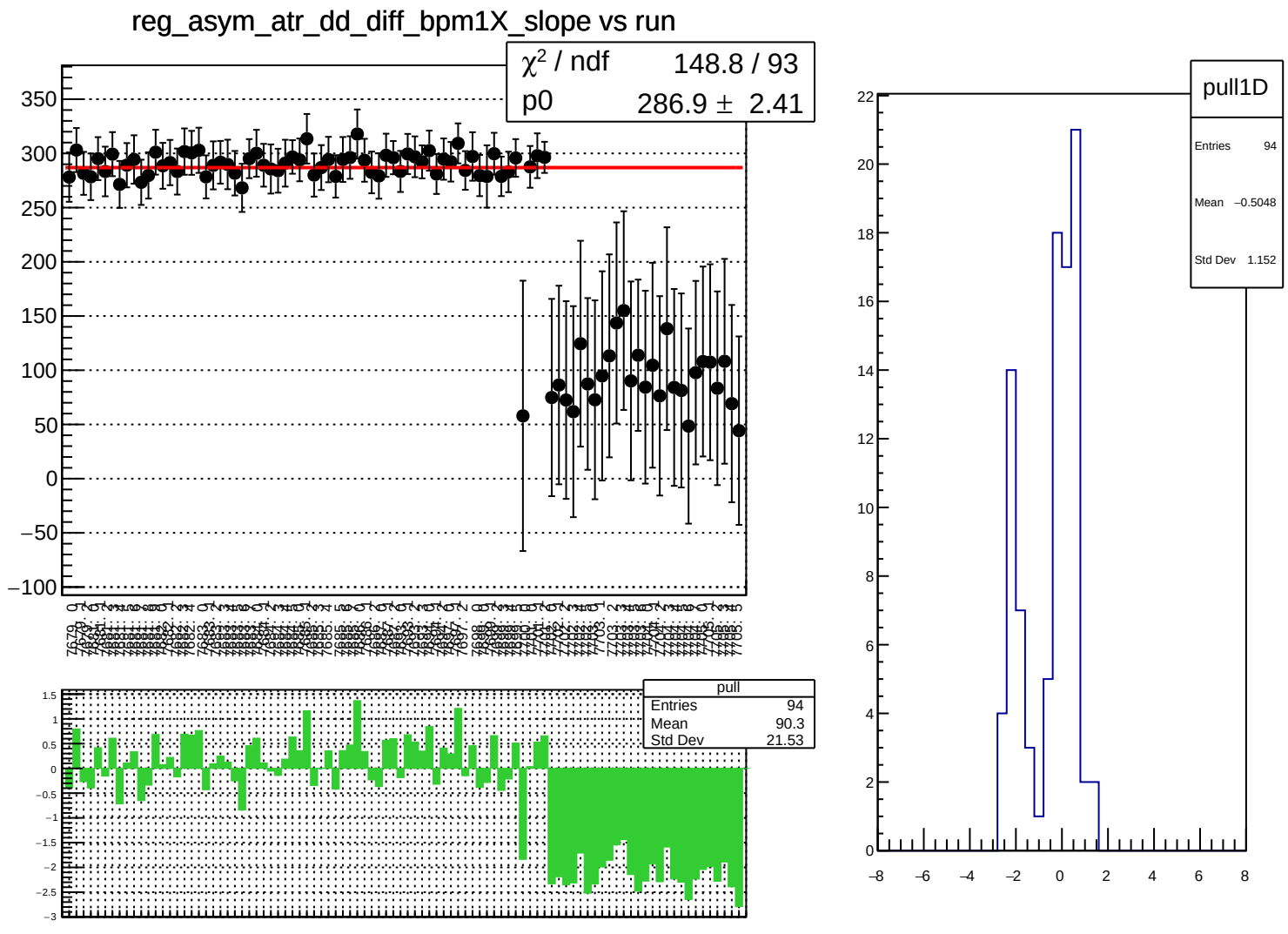

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.66 / 93
p0 45.93 ± 4.216
pull
Entries 94
Mean 38.02
Std Dev 36.09

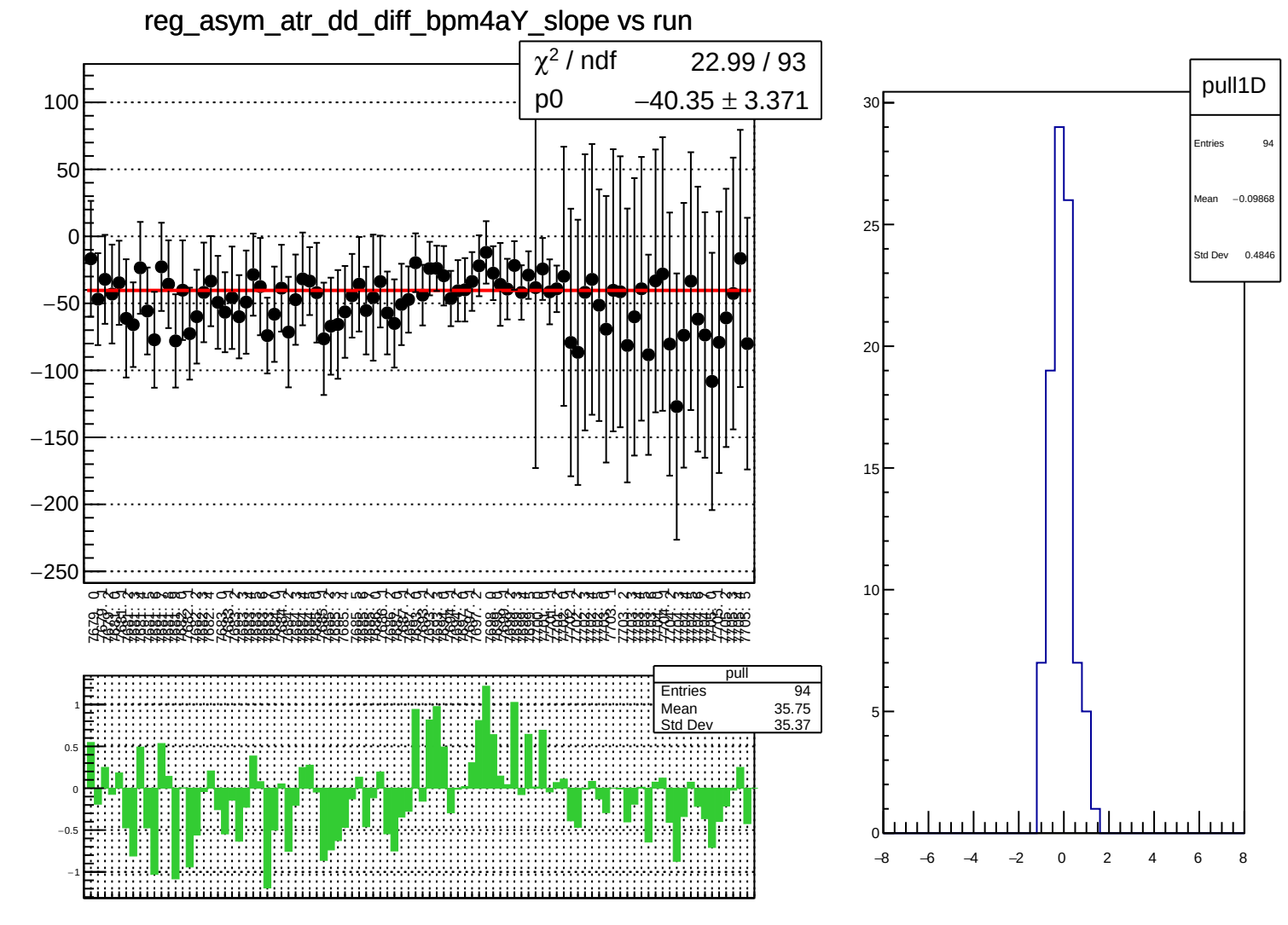

pull1D
Entries 94
Mean 0.08655
Std Dev 0.412

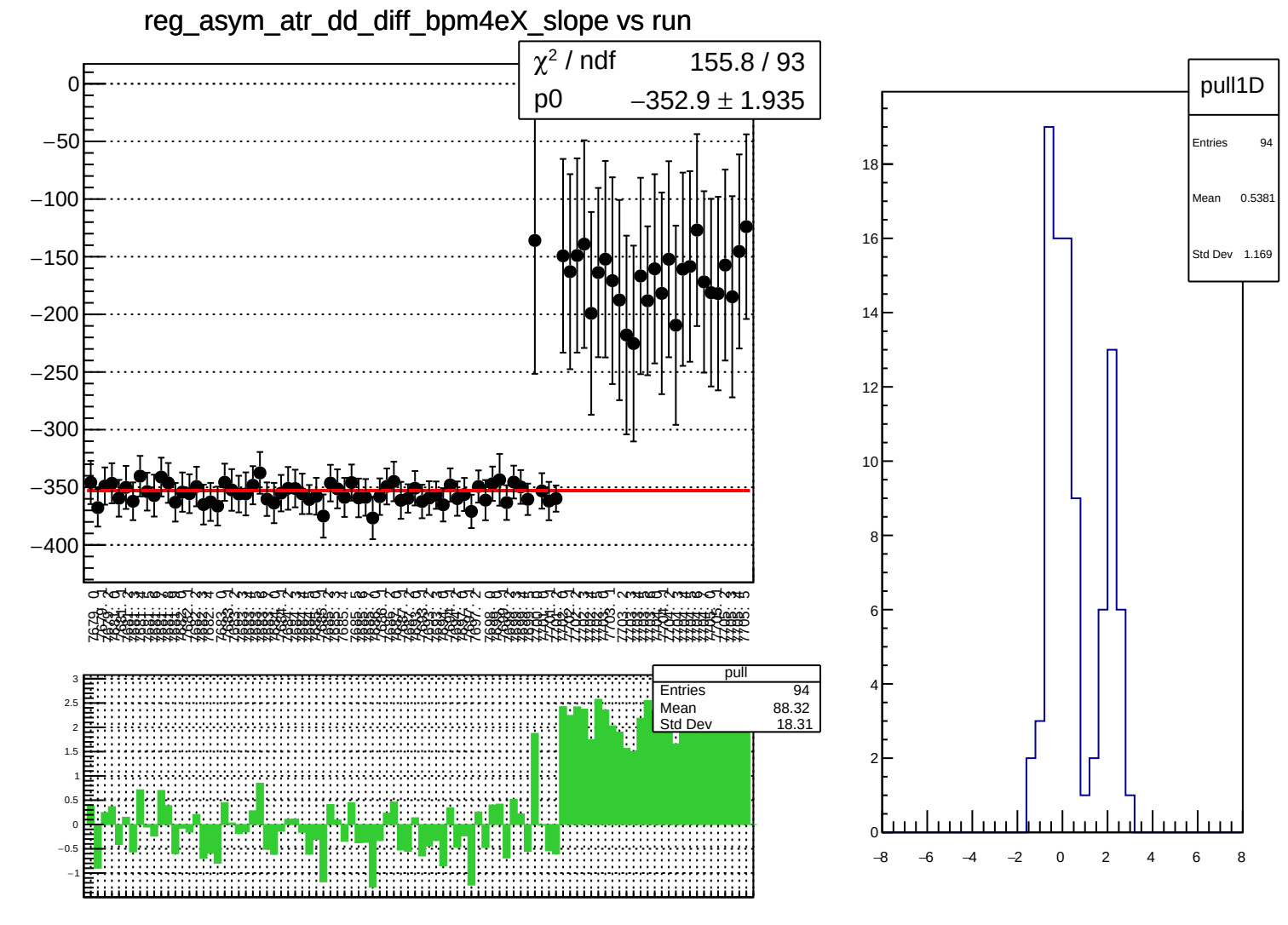

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 329.9 / 93
p0 440.3 ± 2.44
pull
Entries 94
Mean 104.9
Std Dev 45.68
pull1D
Entries 94
Mean −0.7024
Std Dev 1.737

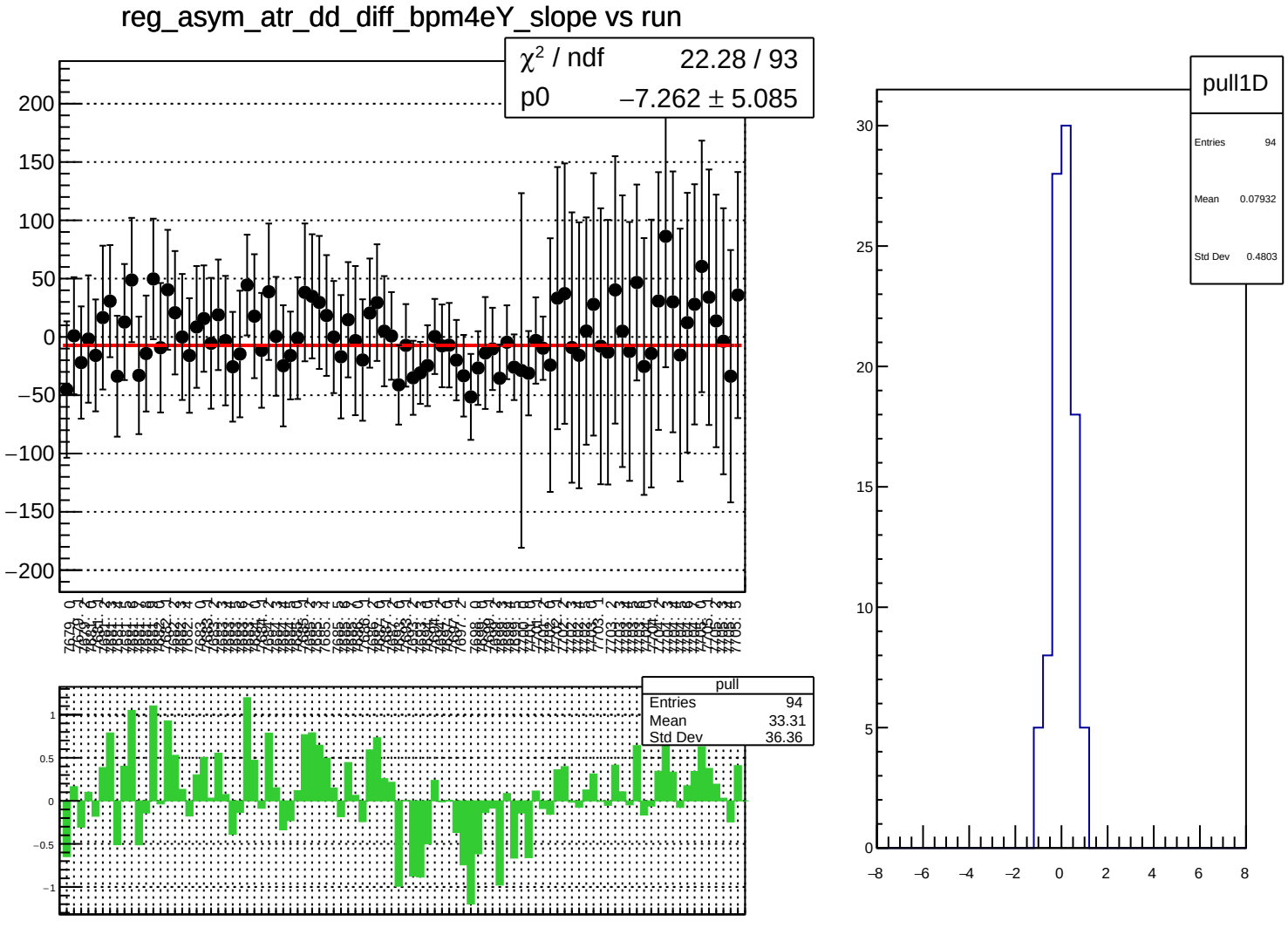

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.86 / 93
p0 17.01 ± 6.324
150
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean 55.83
Std Dev 38.19
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 94
Mean −0.07368
Std Dev 0.404
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

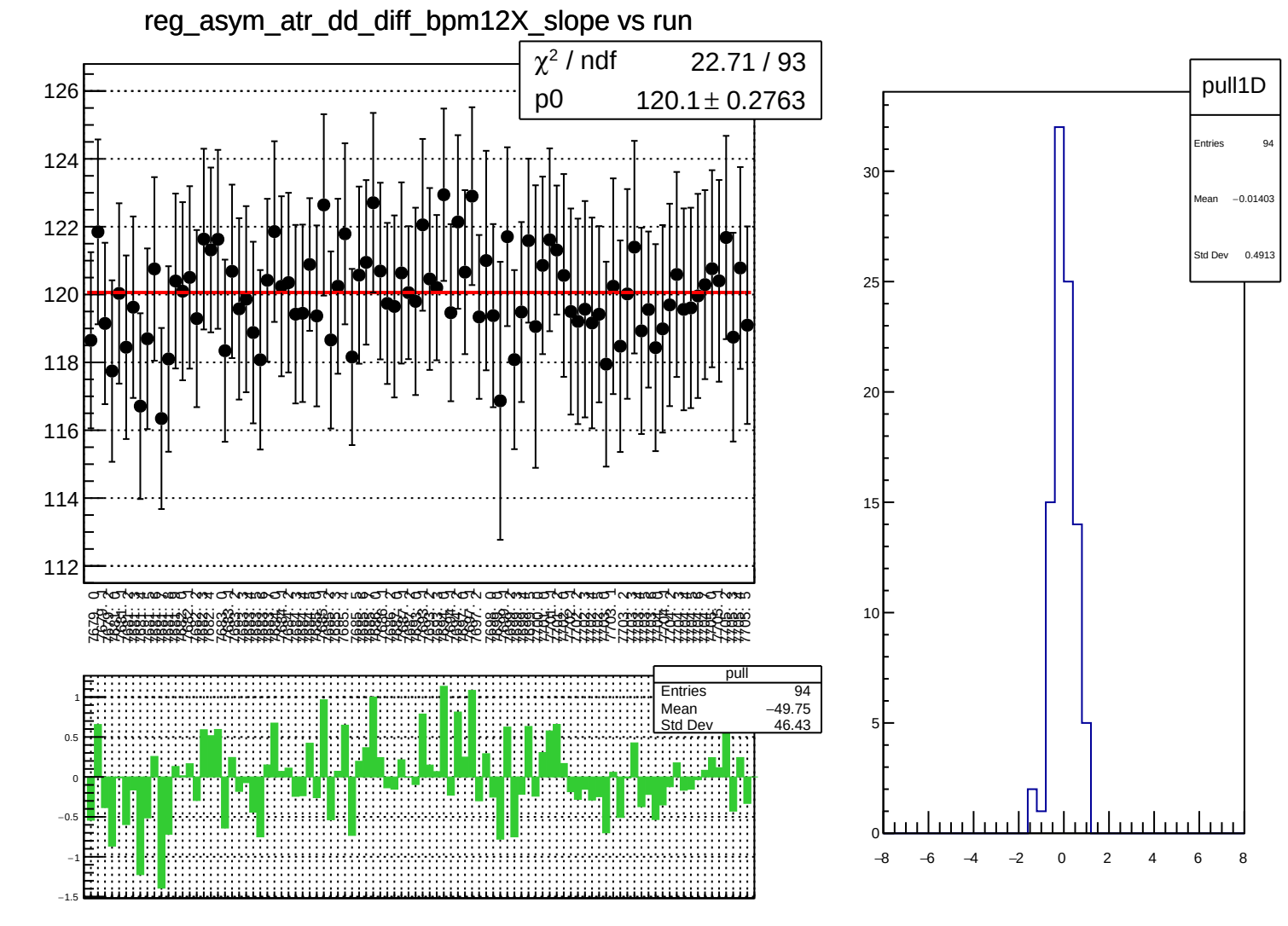

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 1821 / 93
p0 −177 ± 0.3312
−150
−160
−170
−180
−190
pull
Entries 94
Mean −886.8
Std Dev 938
8
6
4
2
0
−2
−4
pull1D
Entries 94
Mean −0.2109
Std Dev 4.319
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

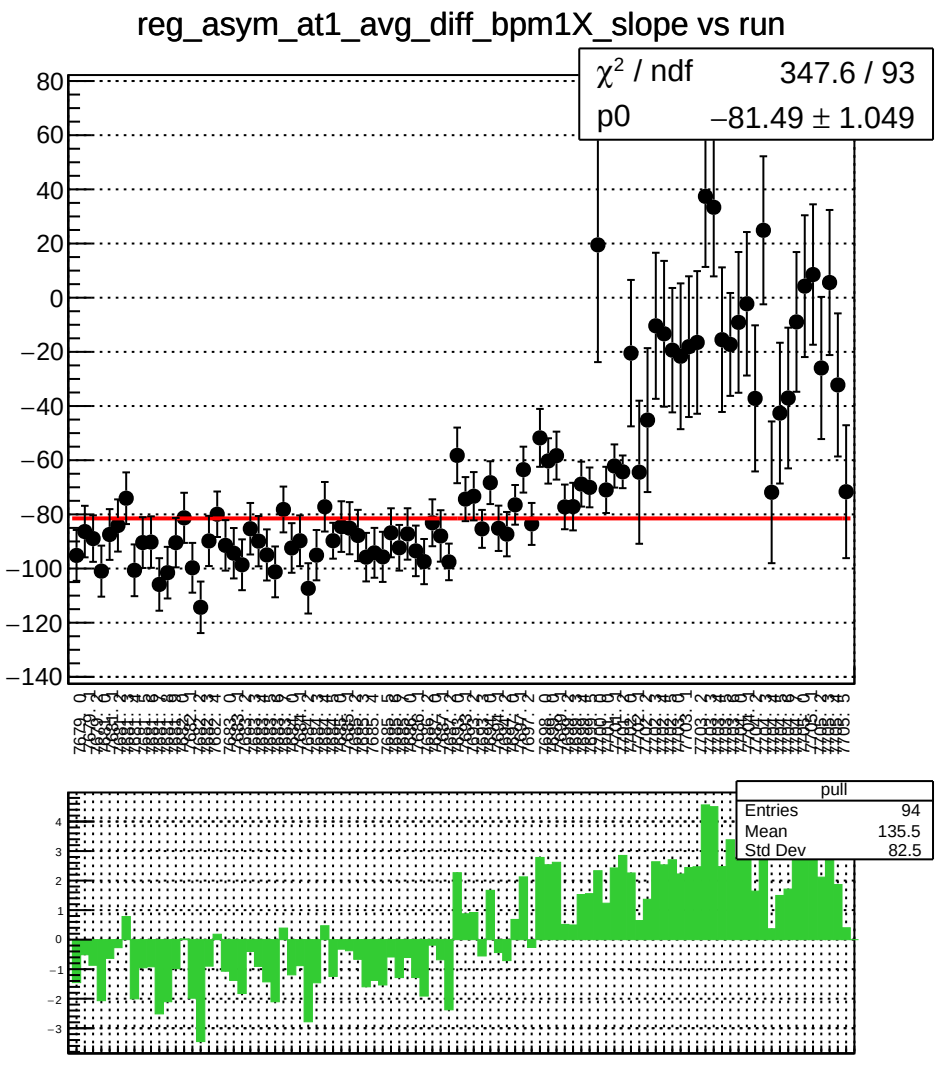

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 148.8 / 93
p0 286.9 ± 2.41
pull
Entries 94
Mean 90.3
Std Dev 21.53
pull1D
Entries 94
Mean −0.5048
Std Dev 1.152

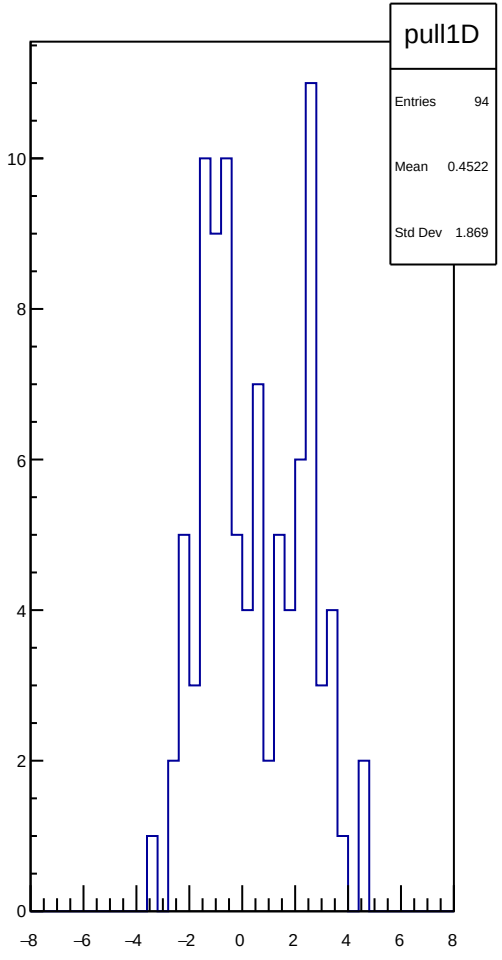

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.99 / 93
p0 −40.35 ± 3.371
pull
Entries 94
Mean 35.75
Std Dev 35.37
pull1D
Entries 94
Mean −0.09868
Std Dev 0.4846

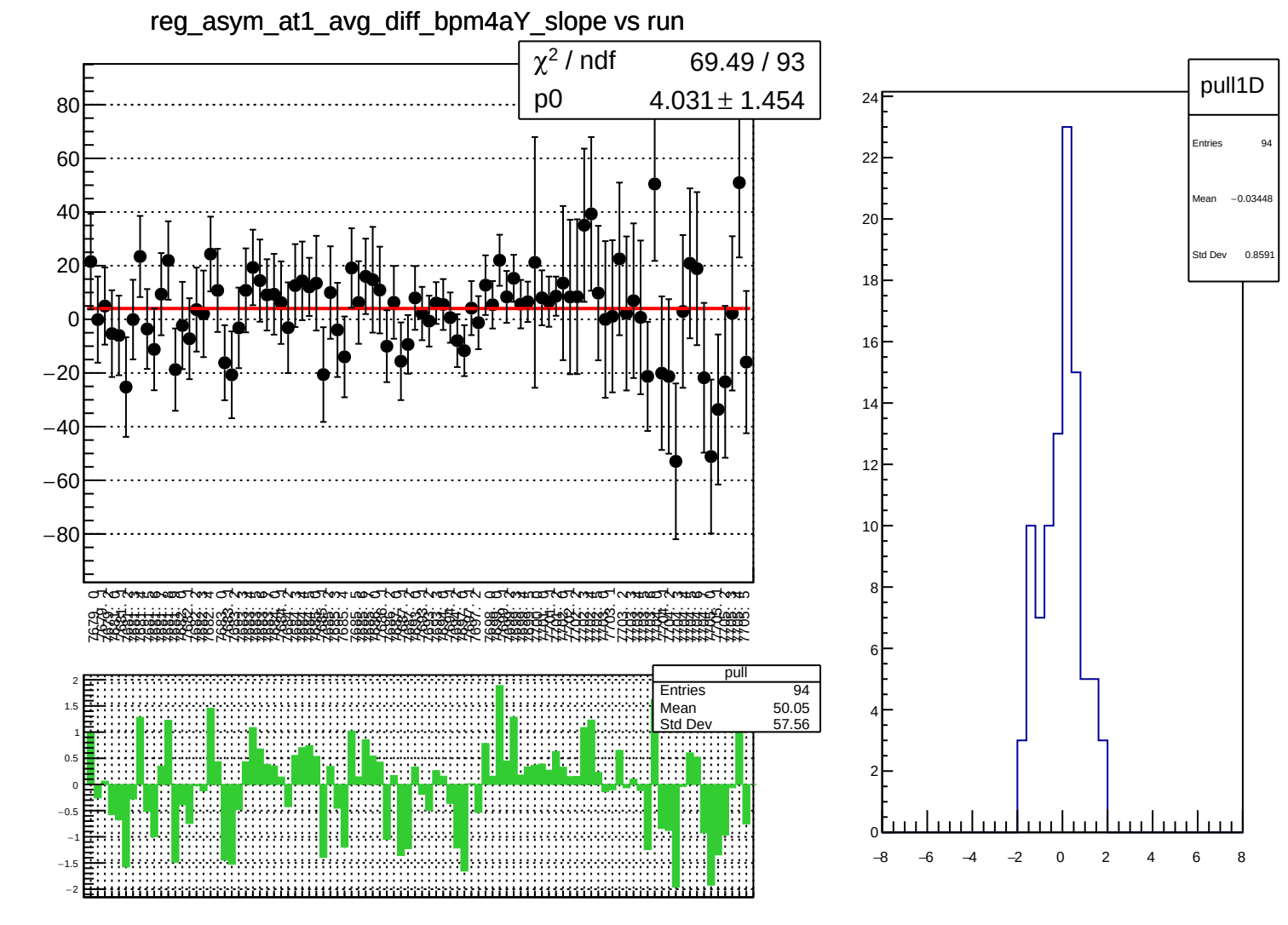

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 155.8 / 93
p0 −352.9 ± 1.935
pull
Entries 94
Mean 88.32
Std Dev 18.31
pull1D
Entries 94
Mean 0.5381
Std Dev 1.169

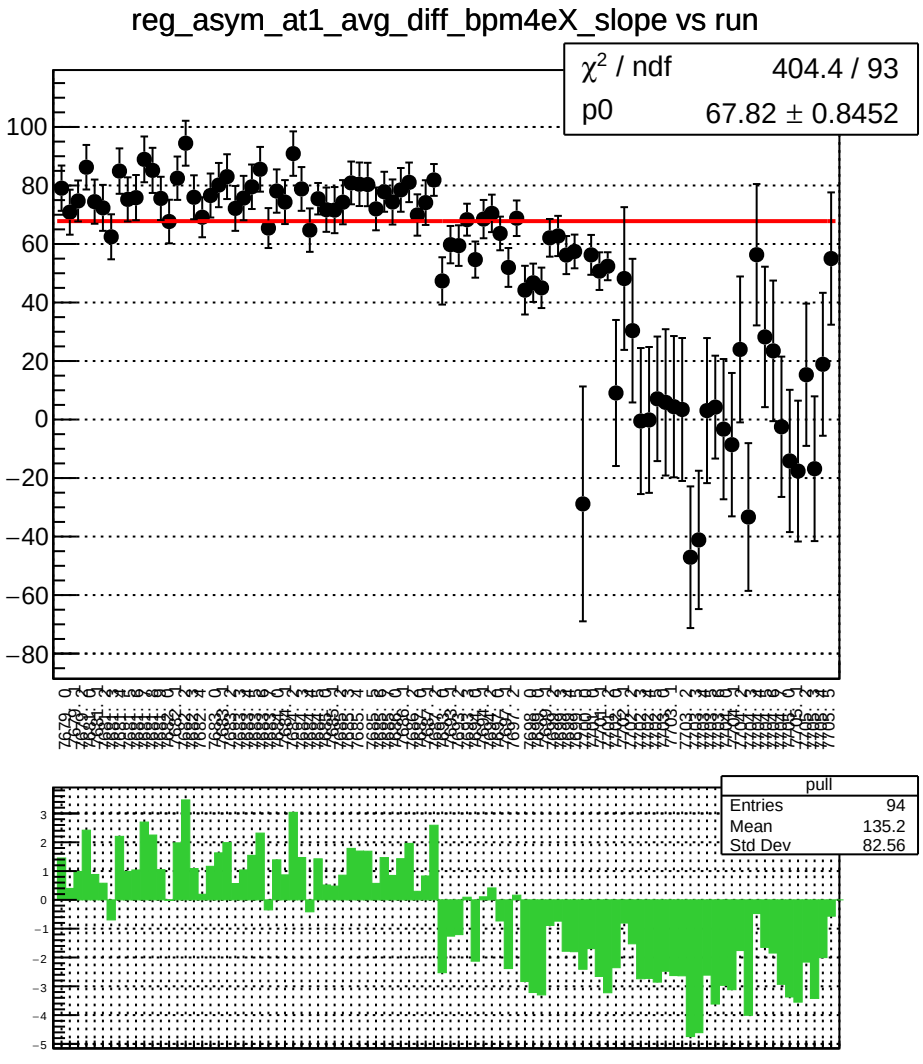

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.28 / 93
p0 −7.262 ± 5.085
pull
Entries 94
Mean 33.31
Std Dev 36.36
pull1D
Entries 94
Mean 0.07932
Std Dev 0.4803

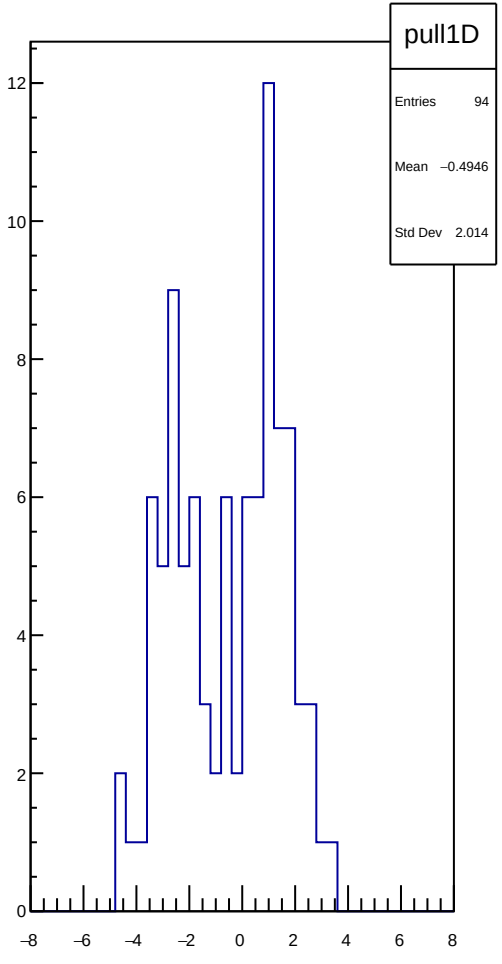

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 22.71 / 93
p0 120.1 ± 0.2763
126
124
122
120
118
116
114
112
pull
Entries 94
Mean −49.75
Std Dev 46.43
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 94
Mean −0.01403
Std Dev 0.4913
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

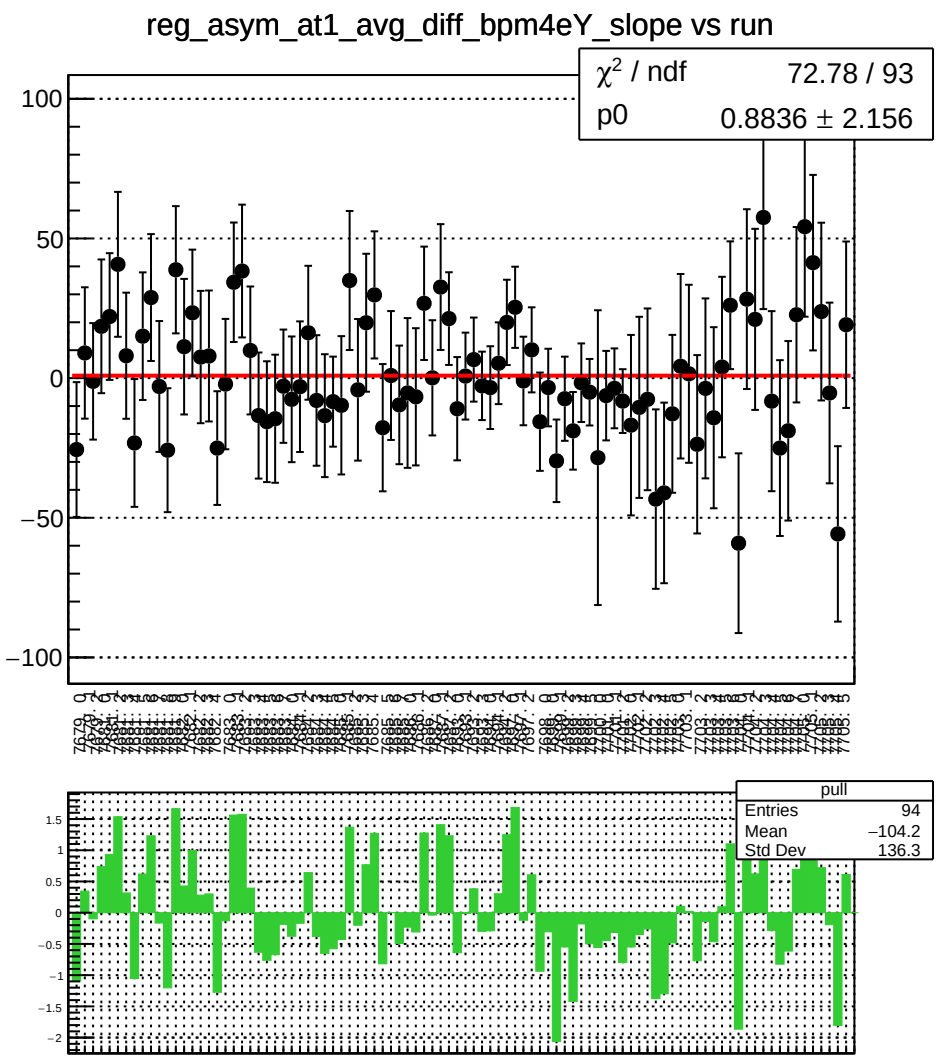

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 347.6 / 93
p0 −81.49 ± 1.049
pull
Entries 94
Mean 135.5
Std Dev 82.5

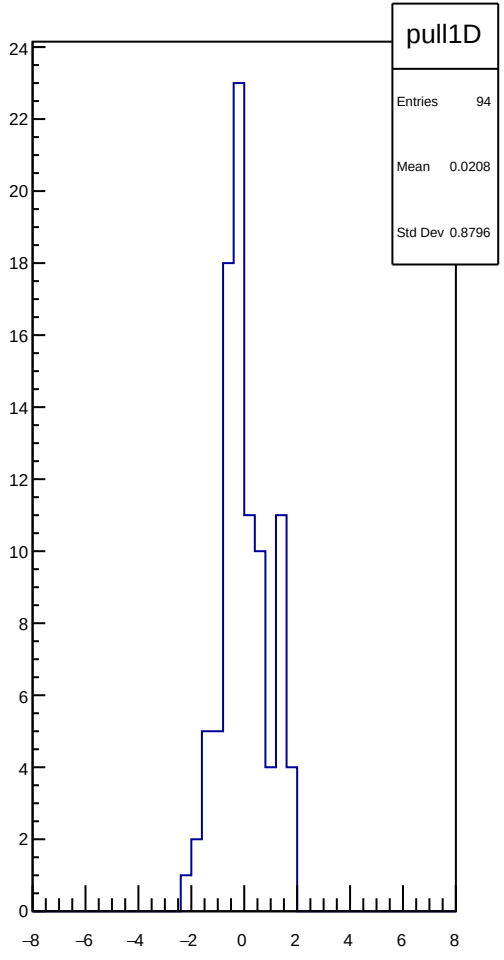

pull1D
Entries 94
Mean 0.4522
Std Dev 1.869

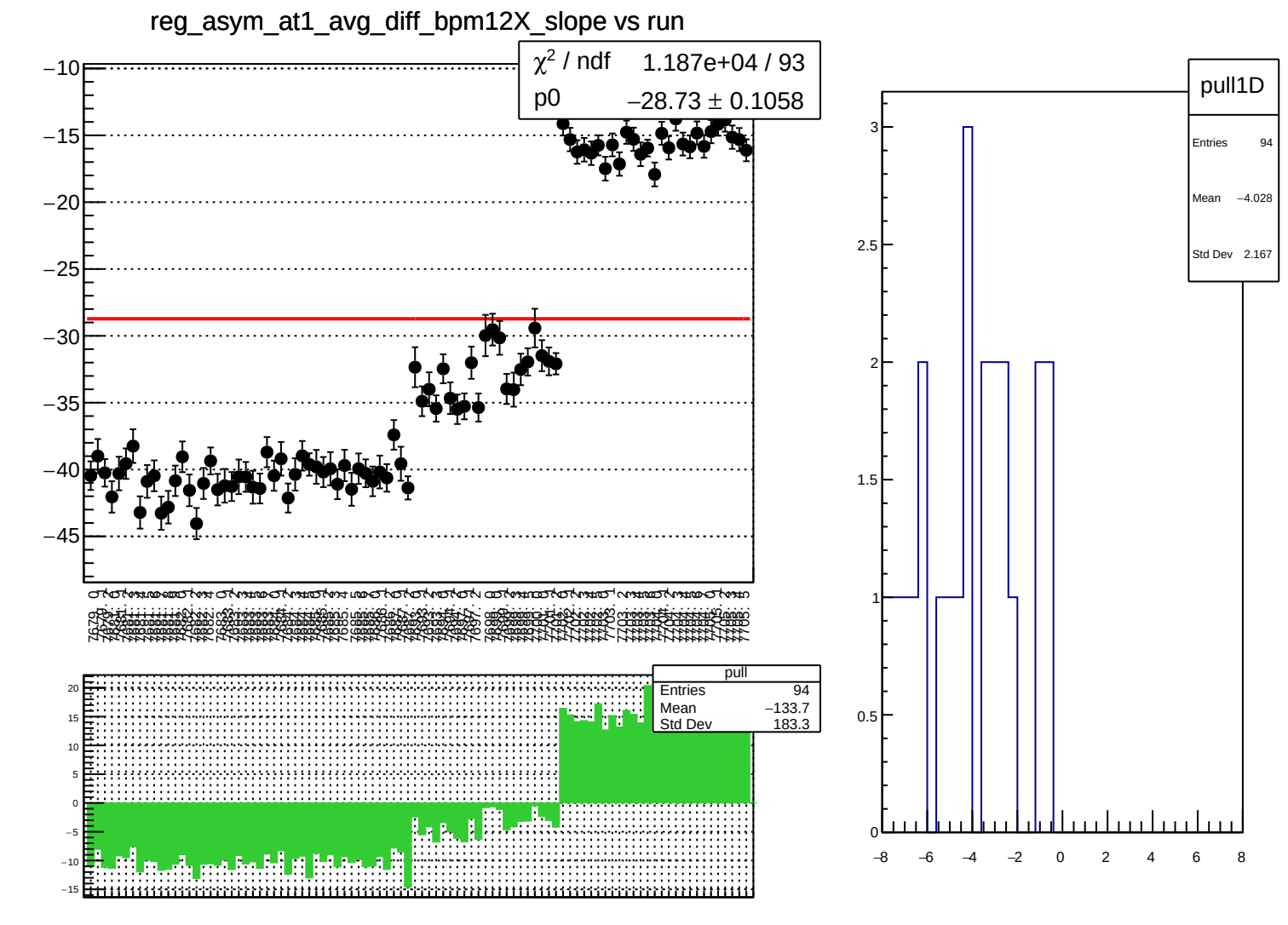

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 69.49 / 93
p0 4.031 ± 1.454
pull
Entries 94
Mean 50.05
Std Dev 57.56
pull1D
Entries 94
Mean −0.03448
Std Dev 0.8591

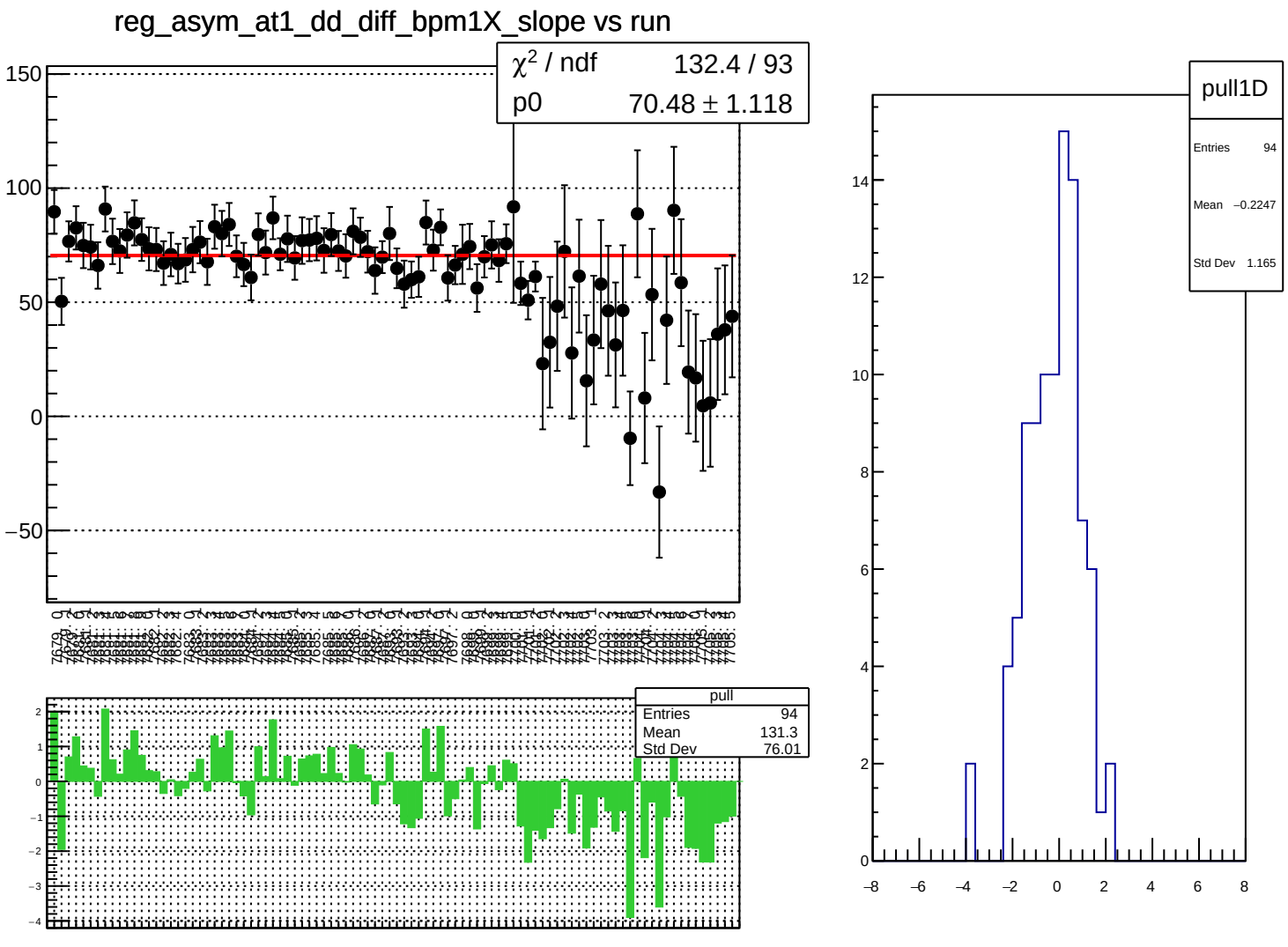

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 404.4 / 93
p0 67.82 ± 0.8452
pull
Entries 94
Mean 135.2
Std Dev 82.56

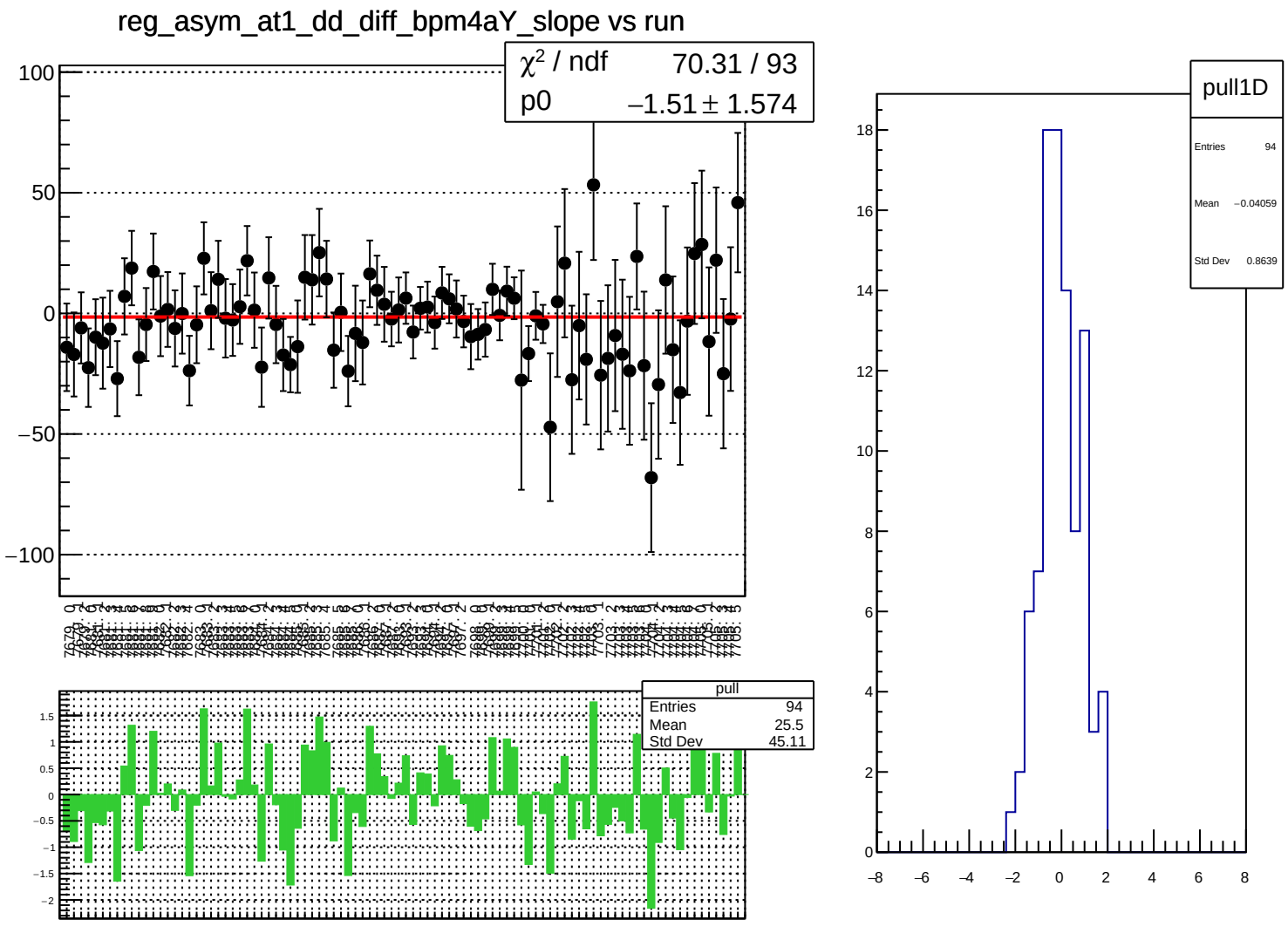

pull1D
Entries 94
Mean −0.4946
Std Dev 2.014

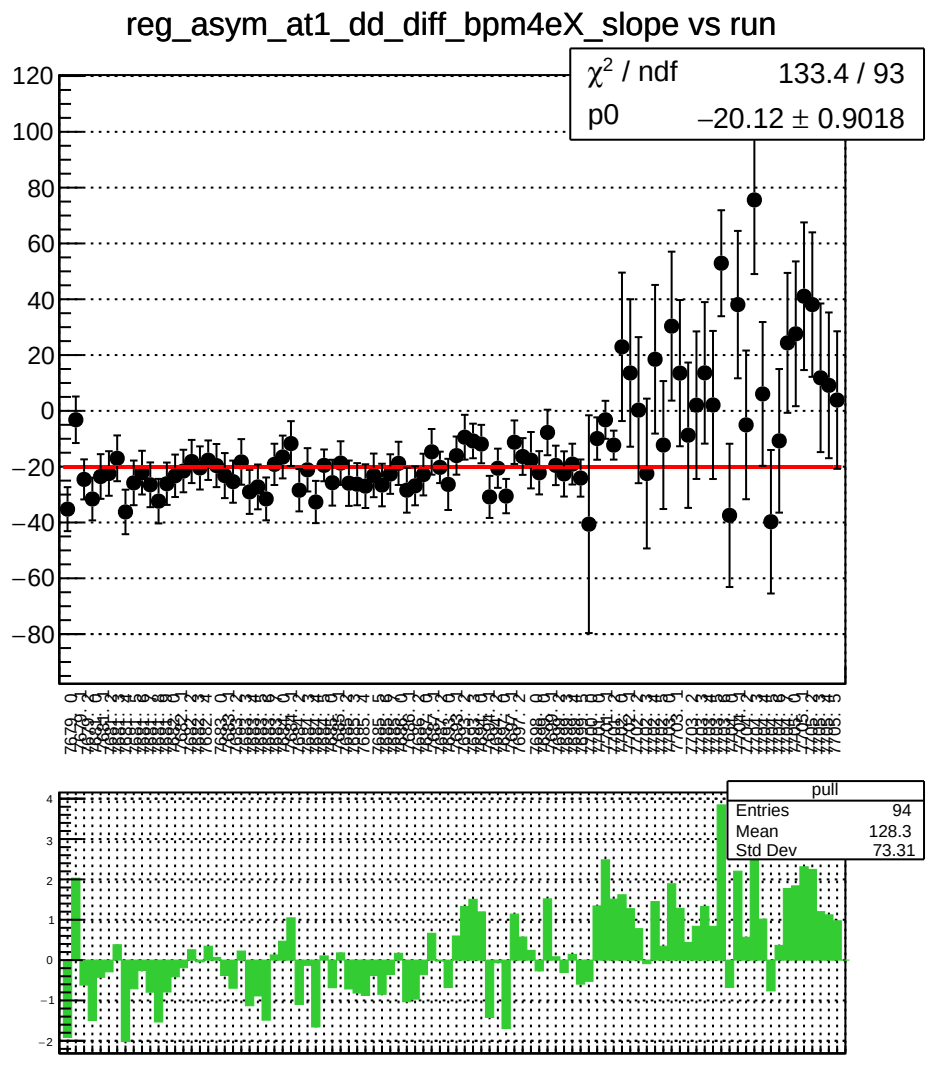

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.78 / 93
p0 0.8836 ± 2.156
100
50
0
−50
−100
pull
Entries 94
Mean −104.2
Std Dev 136.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

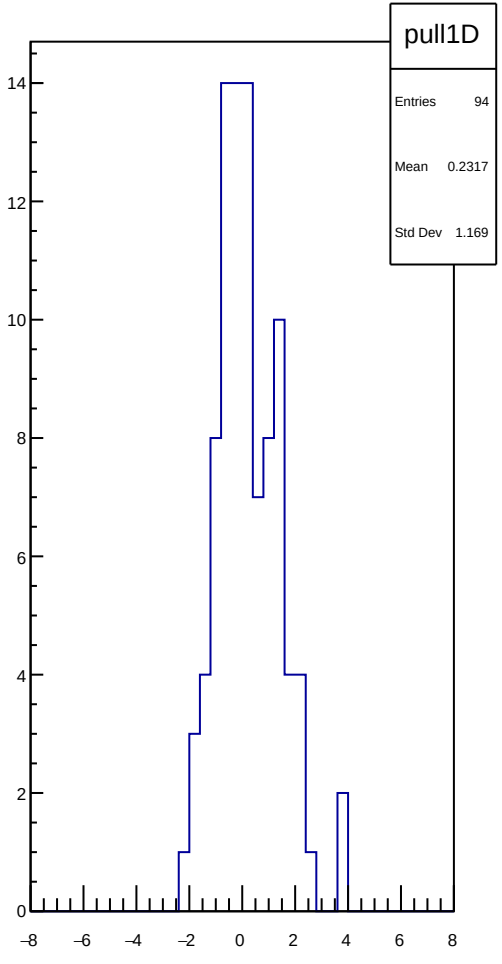

pull1D
Entries 94
Mean 0.0208
Std Dev 0.8796
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

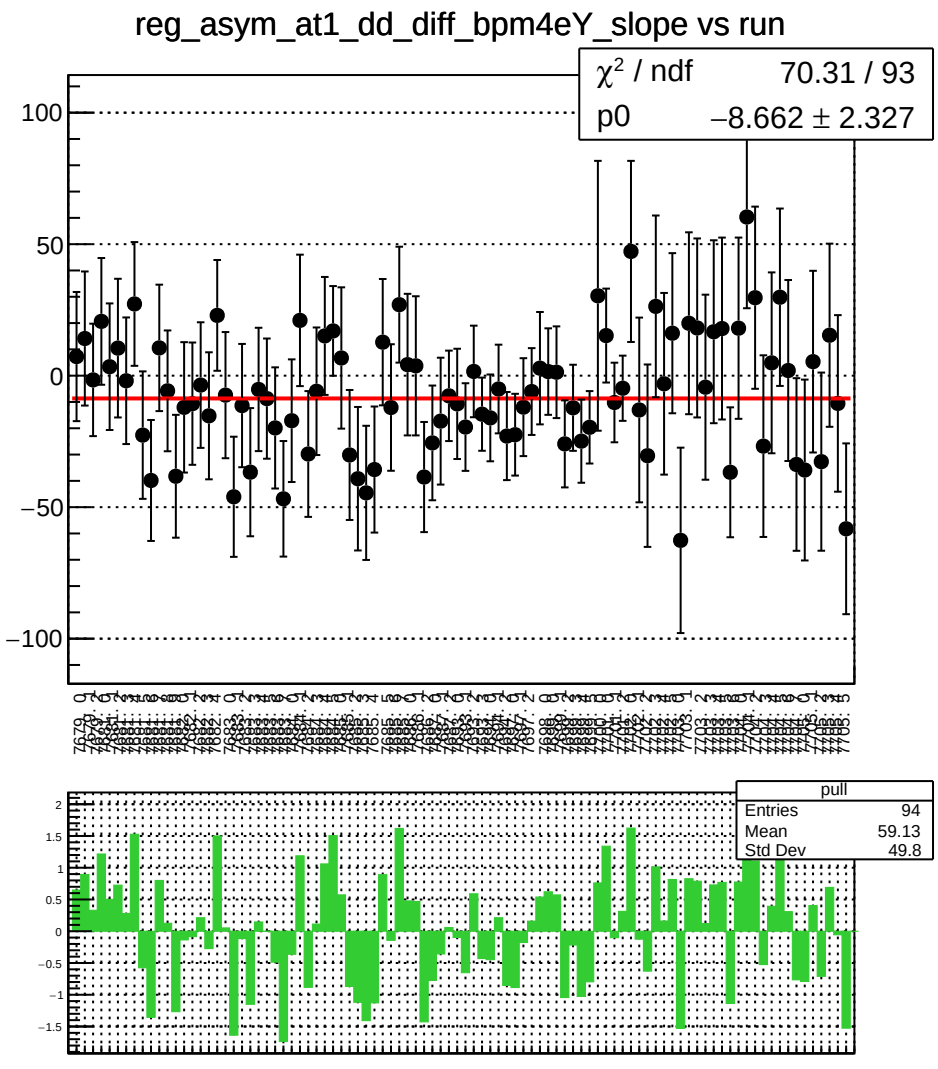

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 1.187e+04 / 93
p0 −28.73 ± 0.1058
pull
Entries 94
Mean −133.7
Std Dev 183.3
pull1D
Entries 94
Mean −4.028
Std Dev 2.167

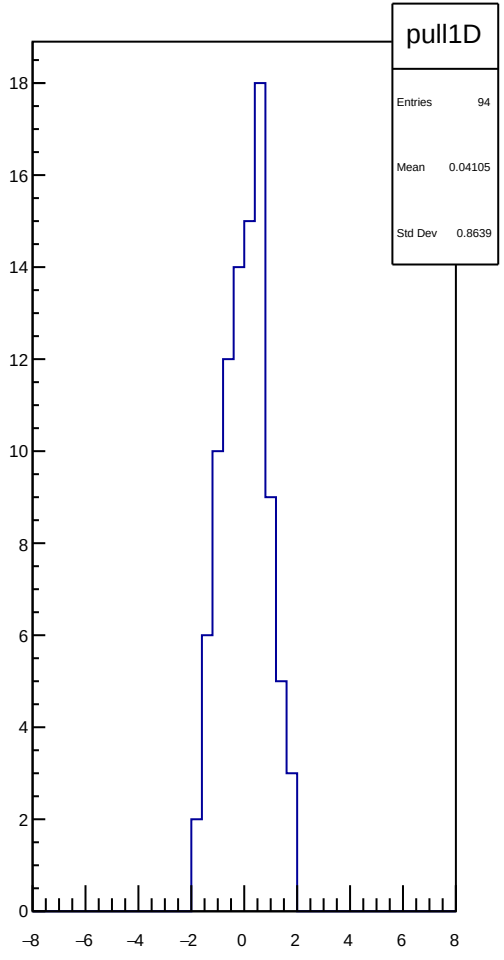

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 132.4 / 93
p0 70.48 ± 1.118
150
100
50
0
−50
pull
Entries 94
Mean 131.3
Std Dev 76.01
2
1
0
−1
−2
−3
−4
pull1D
Entries 94
Mean −0.2247
Std Dev 1.165
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

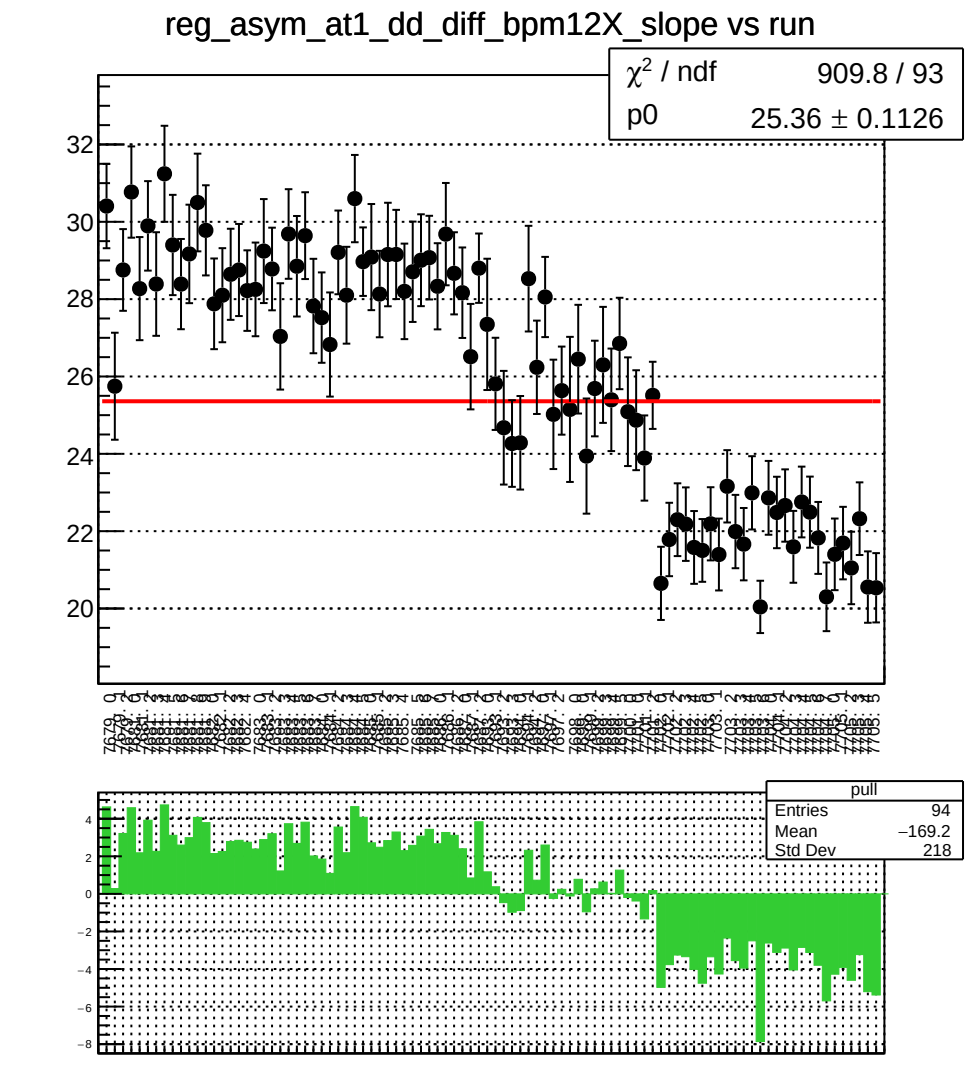

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.31 / 93
p0 −1.51 ± 1.574
100
50
0
−50
−100
pull
Entries 94
Mean 25.5
Std Dev 45.11
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 94
Mean −0.04059
Std Dev 0.8639
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

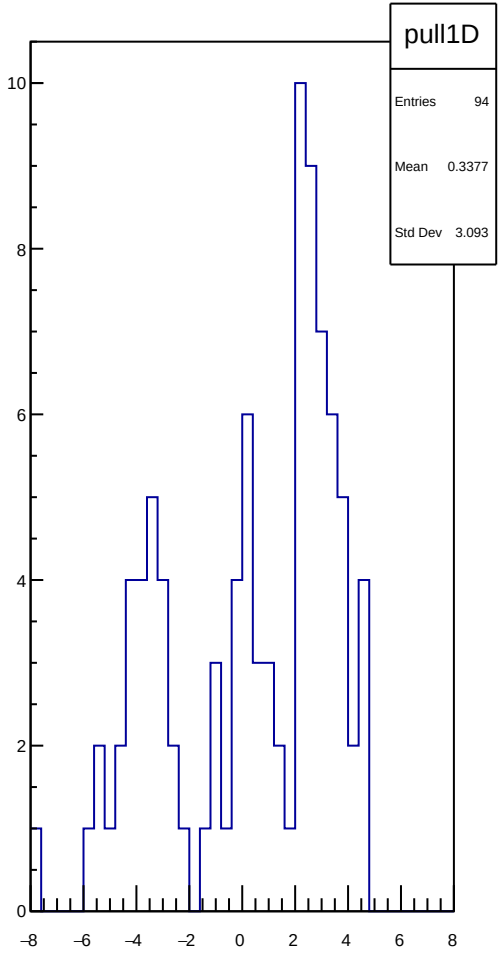

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 133.4 / 93
p0 −20.12 ± 0.9018
pull
Entries 94
Mean 128.3
Std Dev 73.31

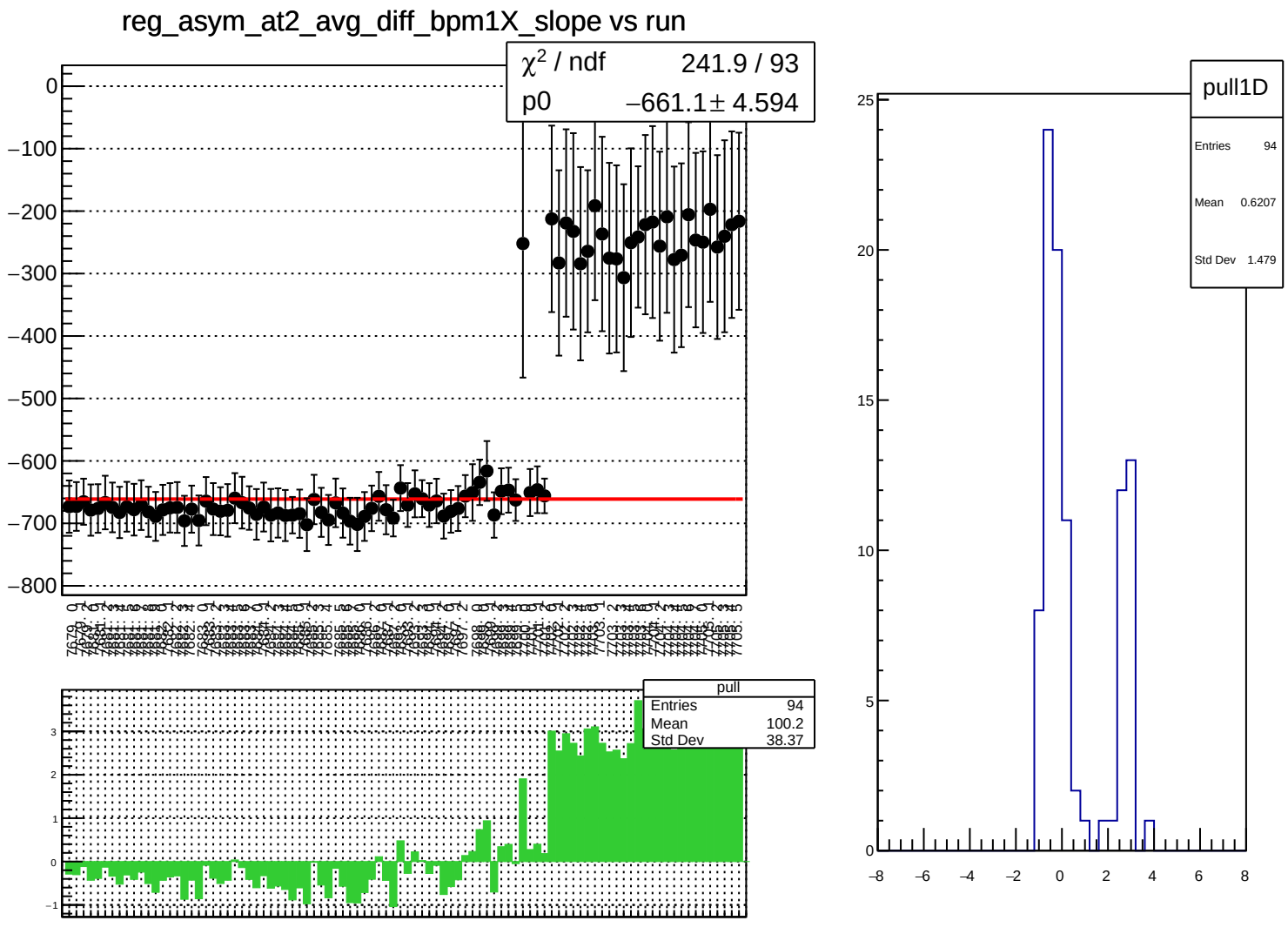

pull1D
Entries 94
Mean 0.2317
Std Dev 1.169

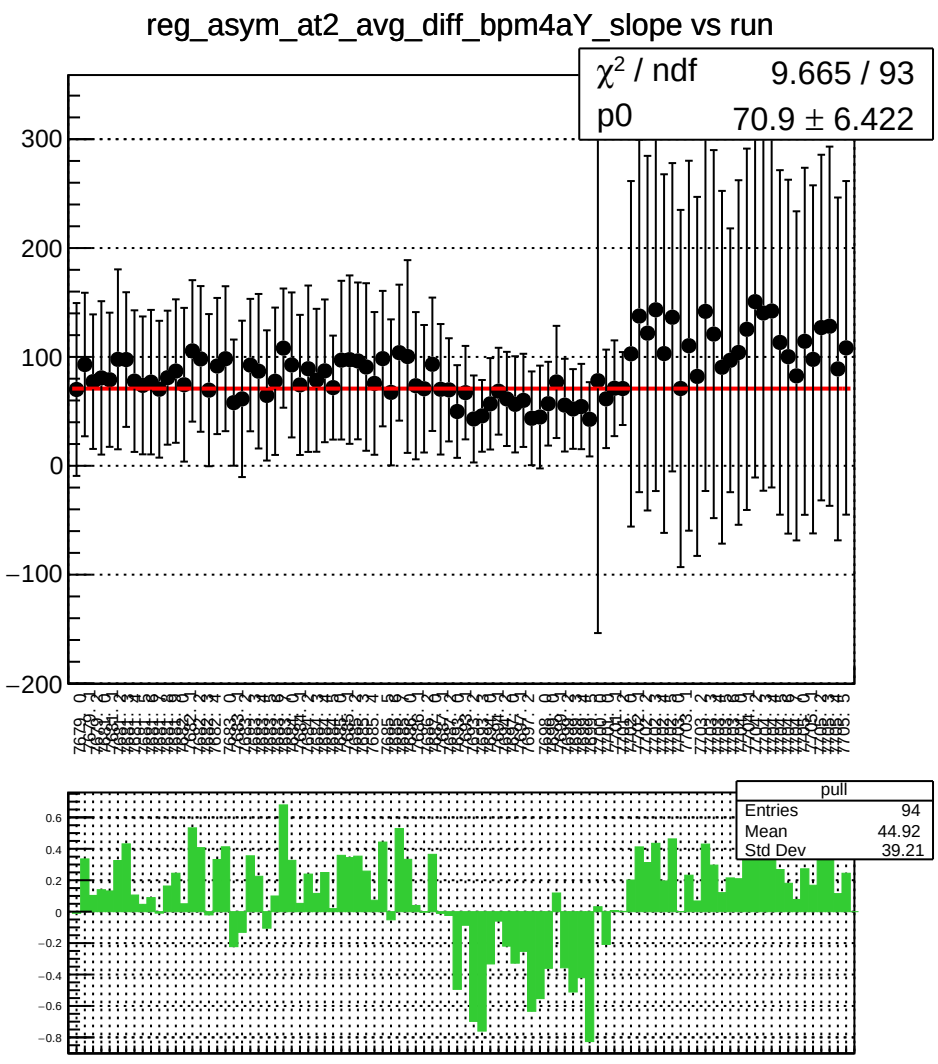

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.31 / 93
p0 −8.662 ± 2.327
100
50
0
−50
−100
pull
Entries 94
Mean 59.13
Std Dev 49.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

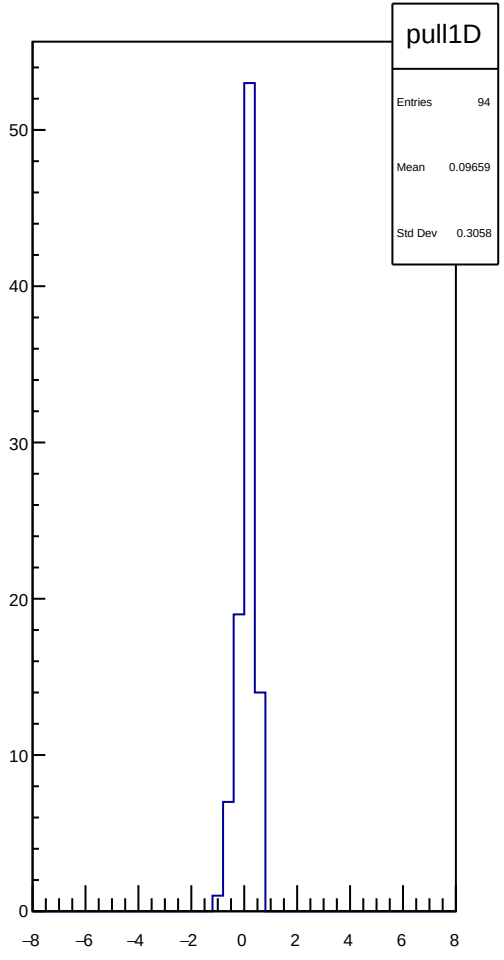

pull1D
Entries 94
Mean 0.04105
Std Dev 0.8639
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

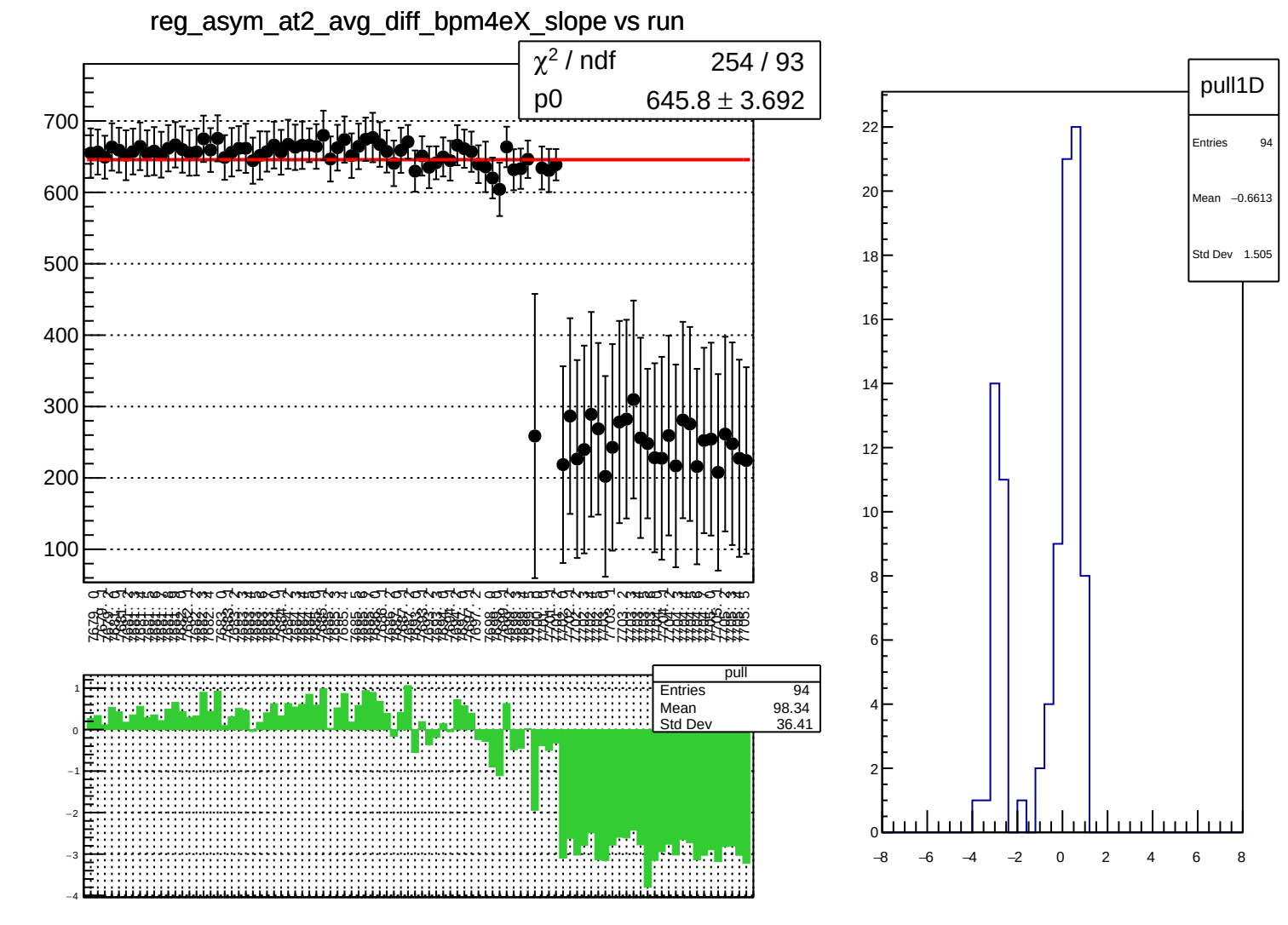

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 909.8 / 93
p0 25.36 ± 0.1126
pull
Entries 94
Mean −169.2
Std Dev 218

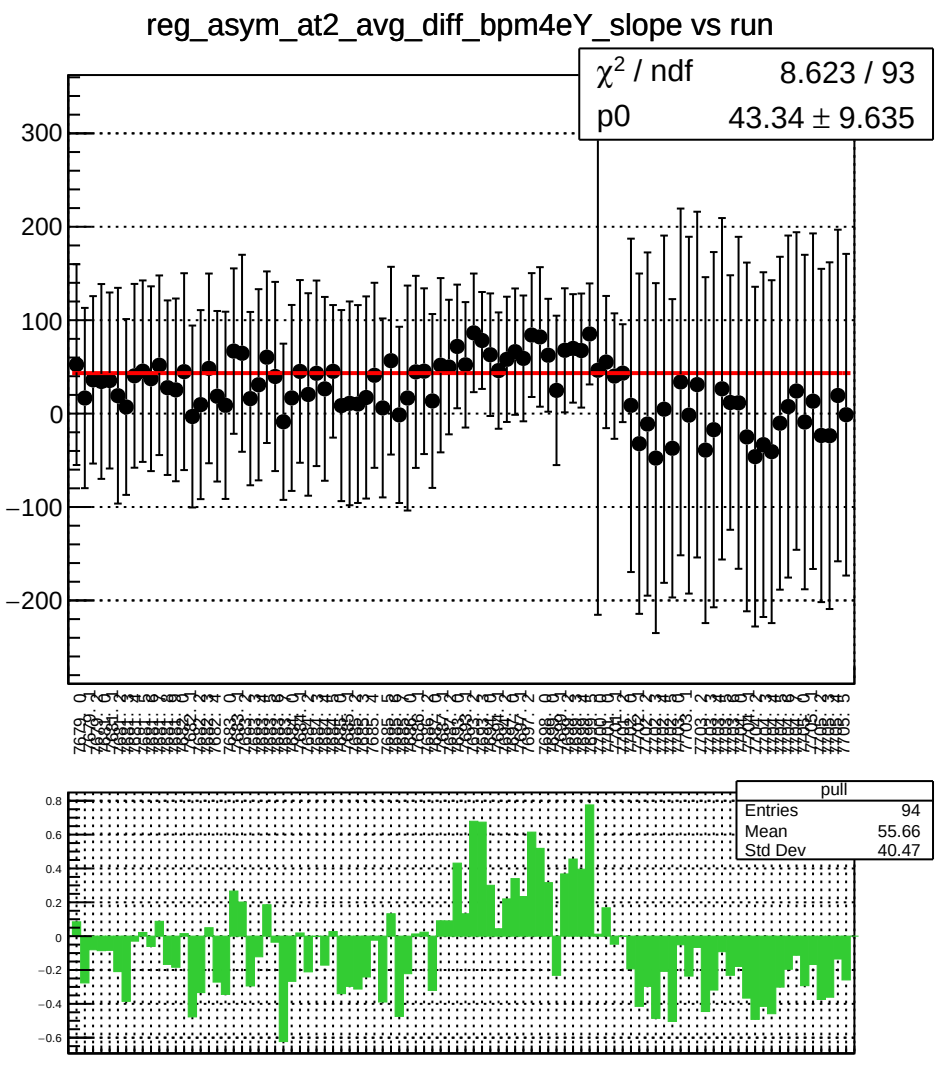

pull1D
Entries 94
Mean 0.3377
Std Dev 3.093

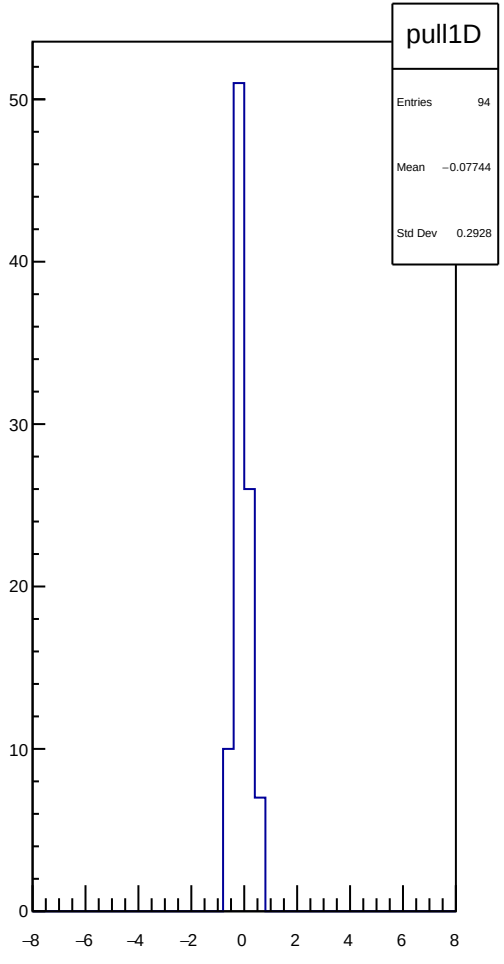

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 241.9 / 93
p0 −661.1 ± 4.594
0
−100
−200
−300
−400
−500
−600
−700
−800
pull
Entries 94
Mean 100.2
Std Dev 38.37
3
2
1
0
−1
pull1D
Entries 94
Mean 0.6207
Std Dev 1.479
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

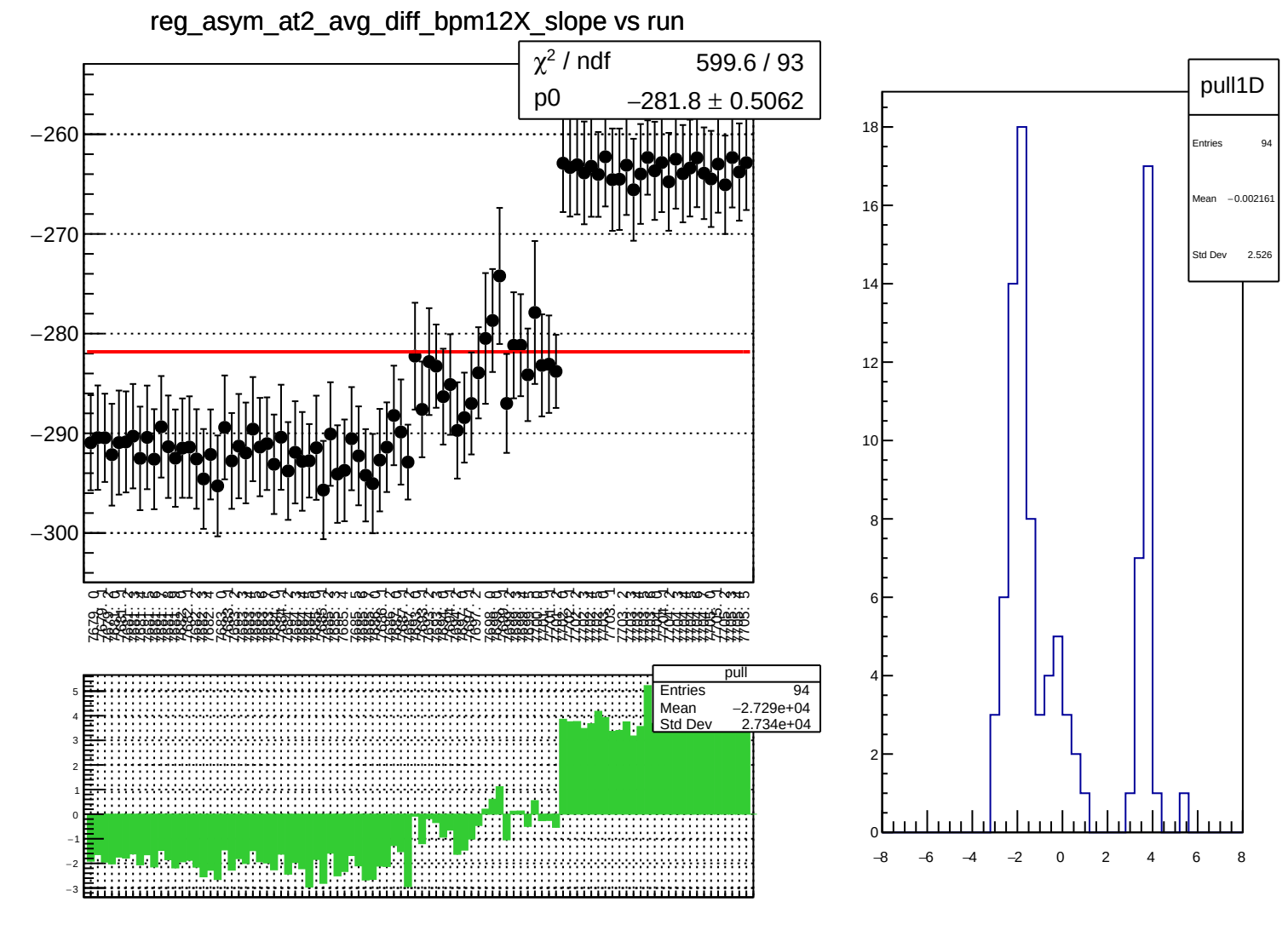

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.665 / 93
p0 70.9 ± 6.422
300
200
100
0
−100
−200
pull
Entries 94
Mean 44.92
Std Dev 39.21
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

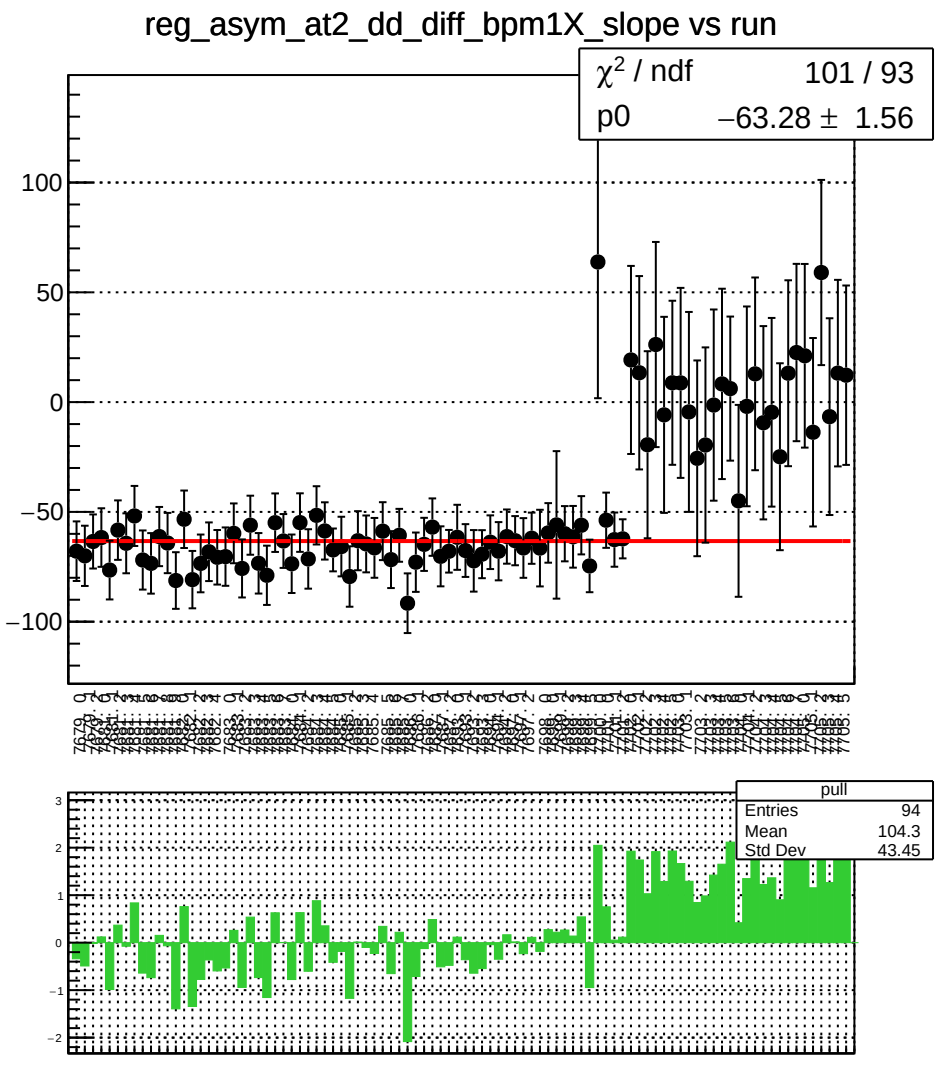

pull1D
Entries 94
Mean 0.09659
Std Dev 0.3058
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

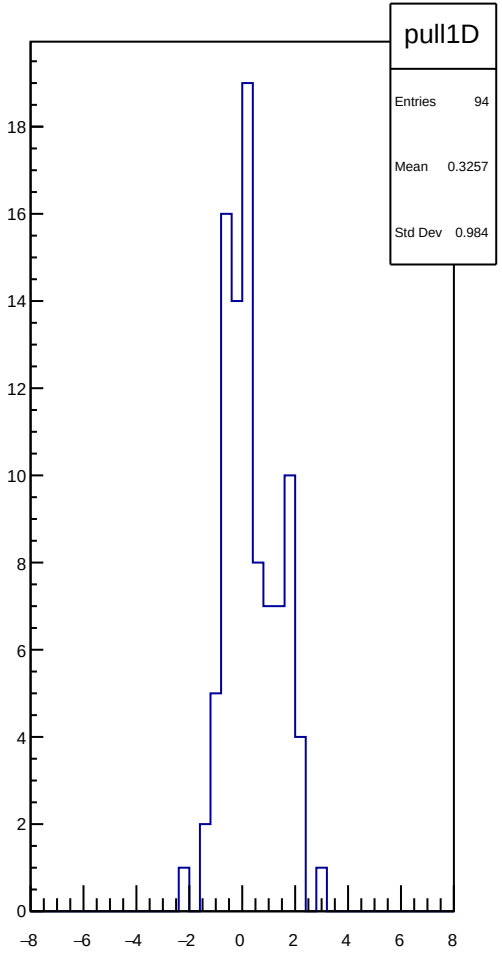

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 254 / 93
p0 645.8 ± 3.692
700
600
500
400
300
200
100
pull
Entries 94
Mean 98.34
Std Dev 36.41
1
0
−1
−2
−3
−4
pull1D
Entries 94
Mean −0.6613
Std Dev 1.505
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

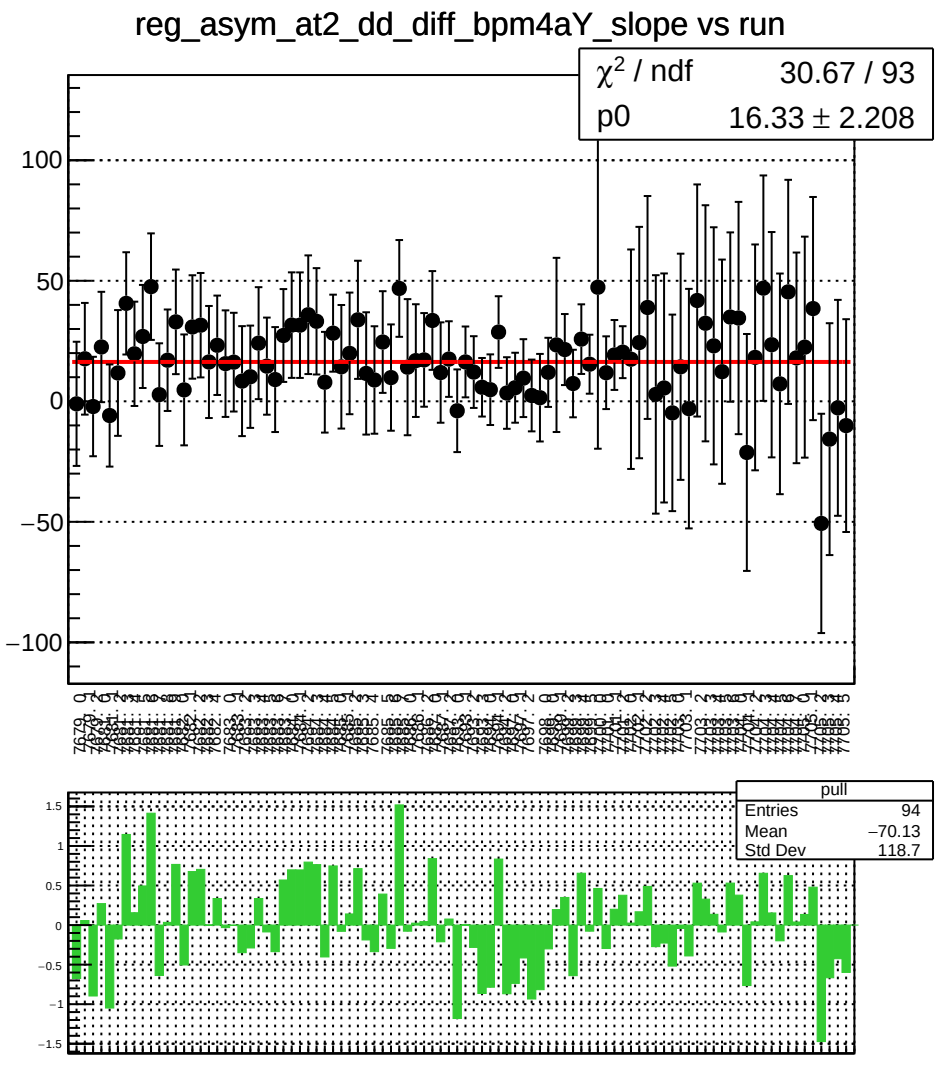

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.623 / 93
p0 43.34 ± 9.635
300
200
100
0
−100
−200
pull
Entries 94
Mean 55.66
Std Dev 40.47
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

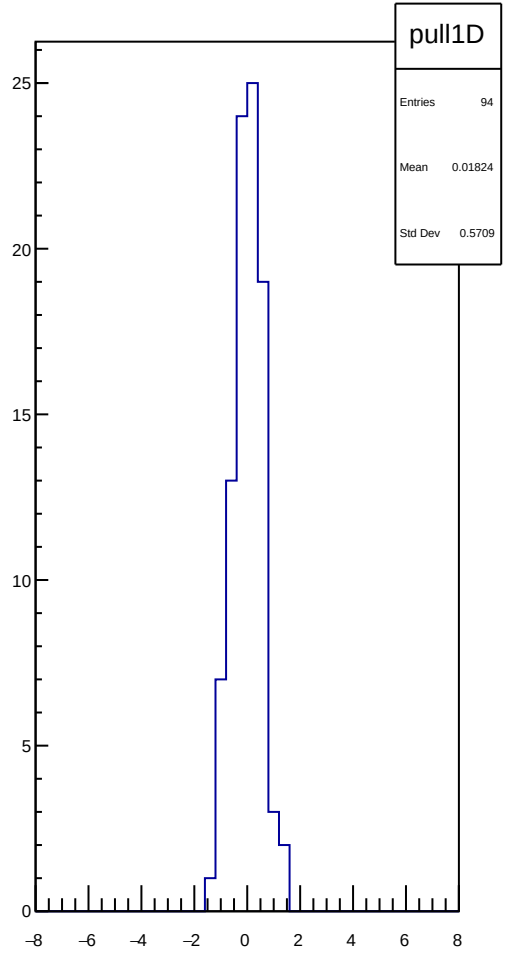

pull1D
Entries 94
Mean −0.07744
Std Dev 0.2928
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

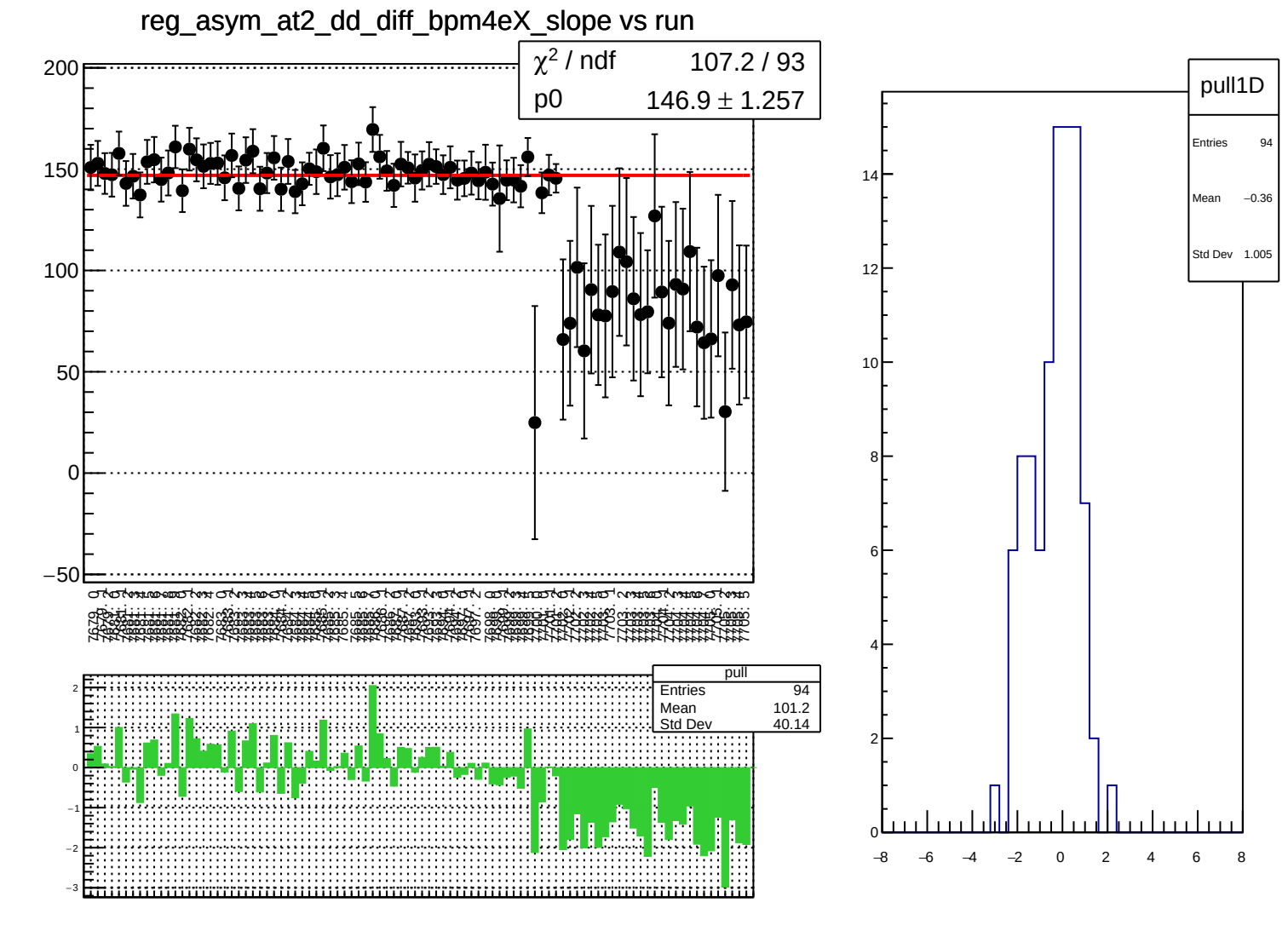

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 599.6 / 93
p0 −281.8 ± 0.5062
−260
−270
−280
−290
−300
pull
Entries 94
Mean −2.729e+04
Std Dev 2.734e+04
pull1D
Entries 94
Mean −0.002161
Std Dev 2.526

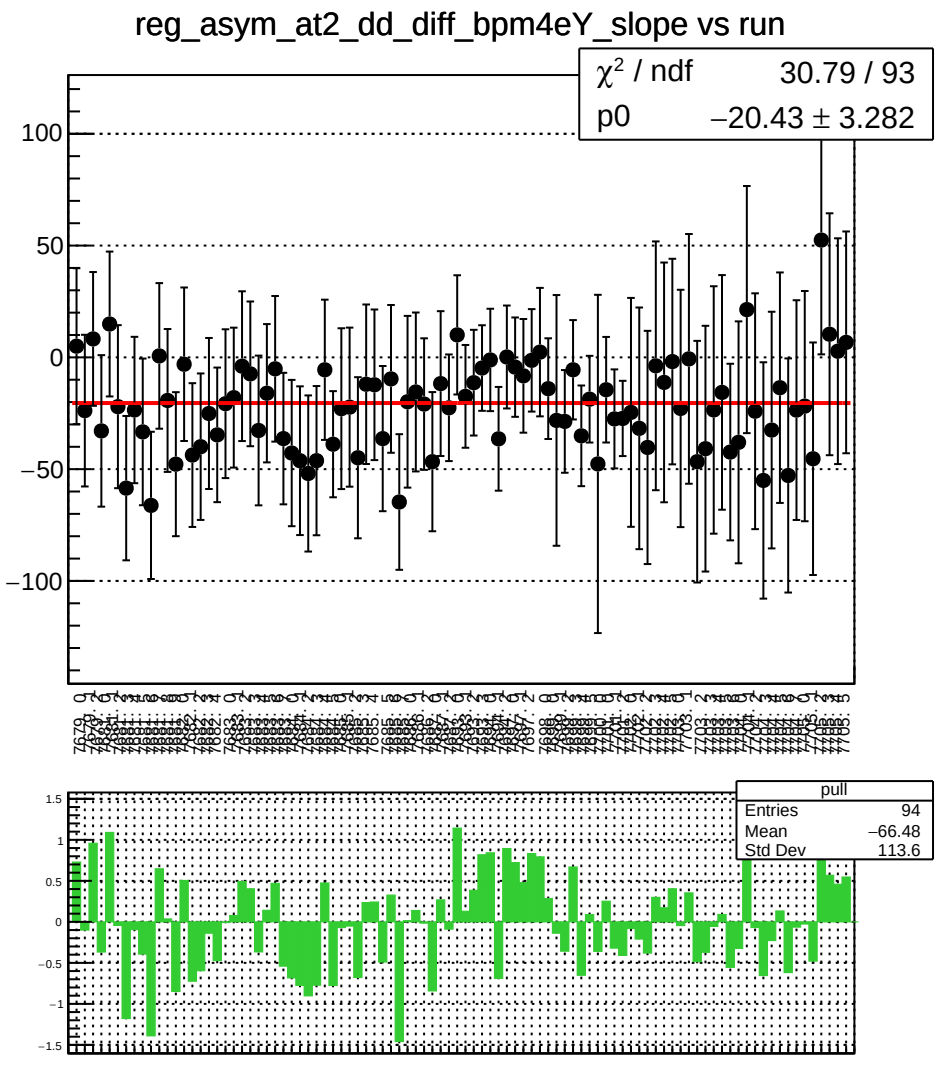

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 101 / 93
p0 −63.28 ± 1.56
100
50
0
−50
−100
pull
Entries 94
Mean 104.3
Std Dev 43.45
3
2
1
0
−1
−2

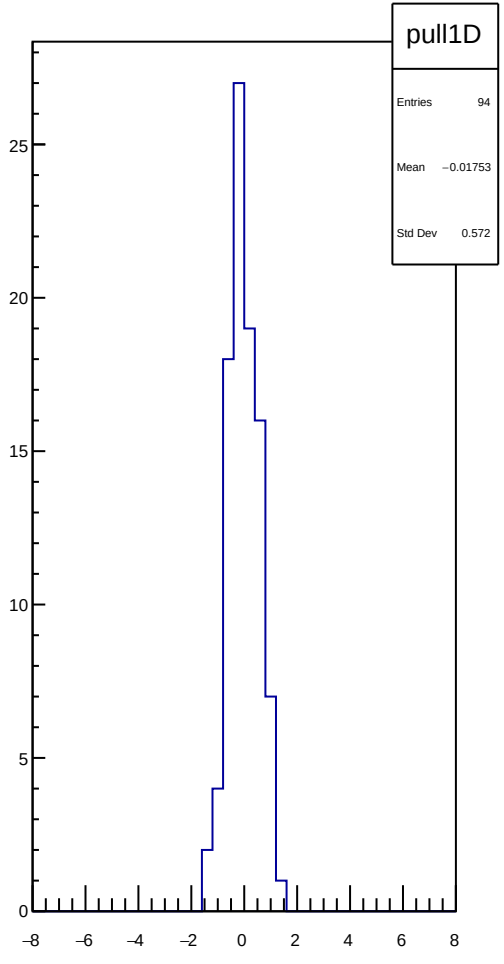

pull1D
Entries 94
Mean 0.3257
Std Dev 0.984
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

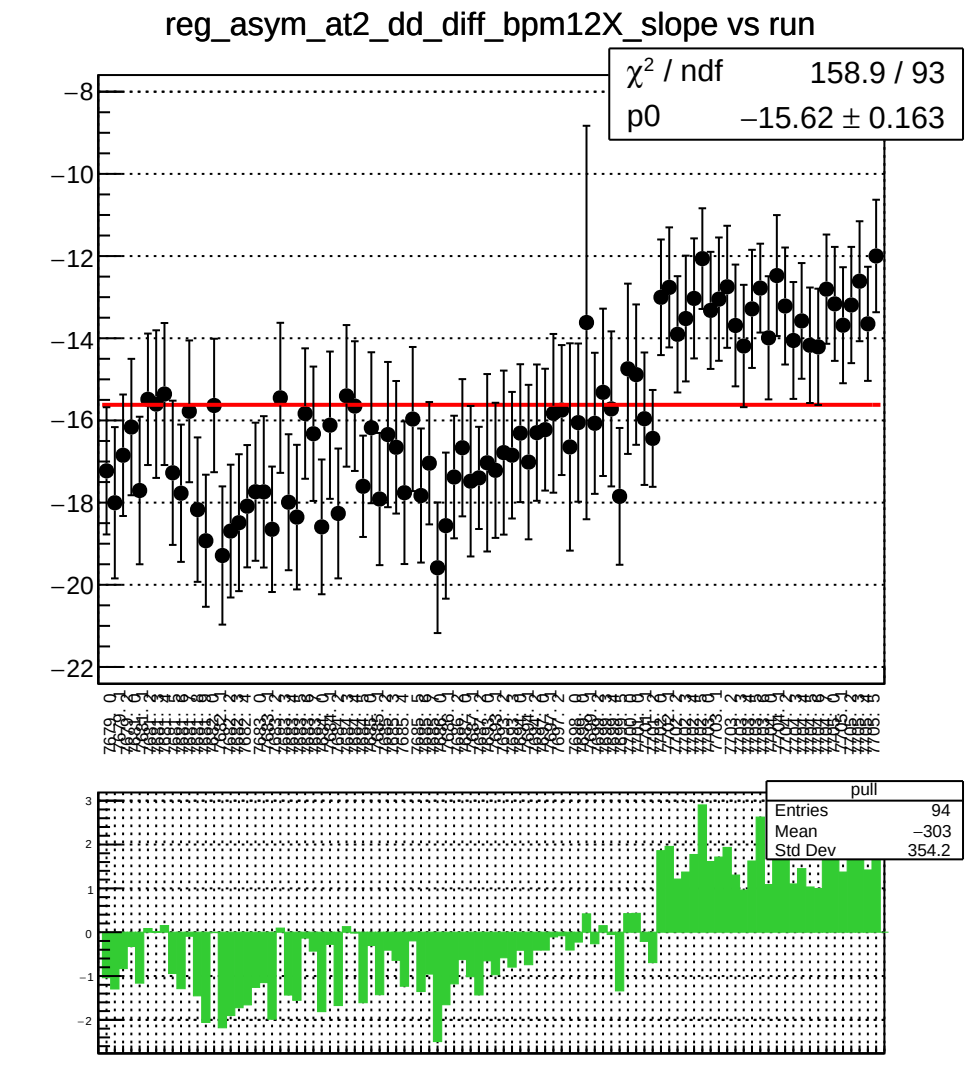

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.67 / 93
p0 16.33 ± 2.208
100
50
0
−50
−100
pull
Entries 94
Mean −70.13
Std Dev 118.7
1.5
1
0.5
0
−0.5
−1
−1.5

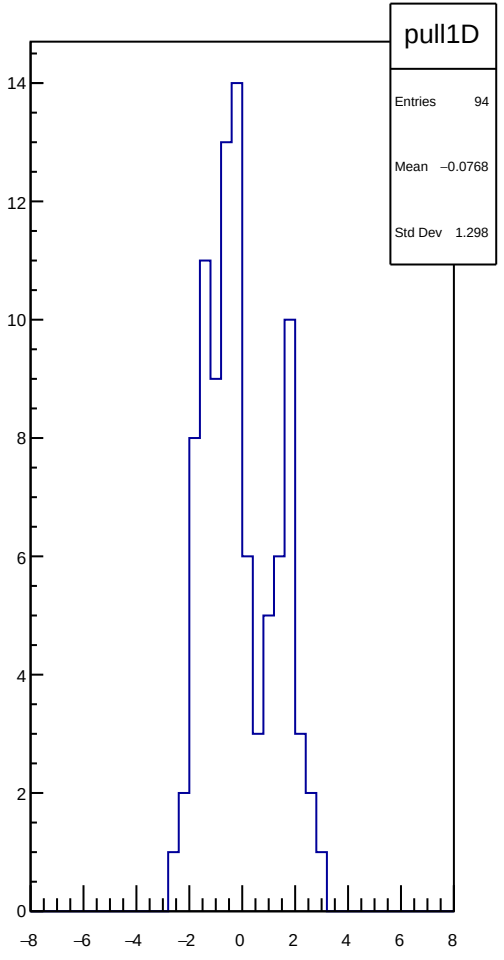

pull1D
Entries 94
Mean 0.01824
Std Dev 0.5709
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

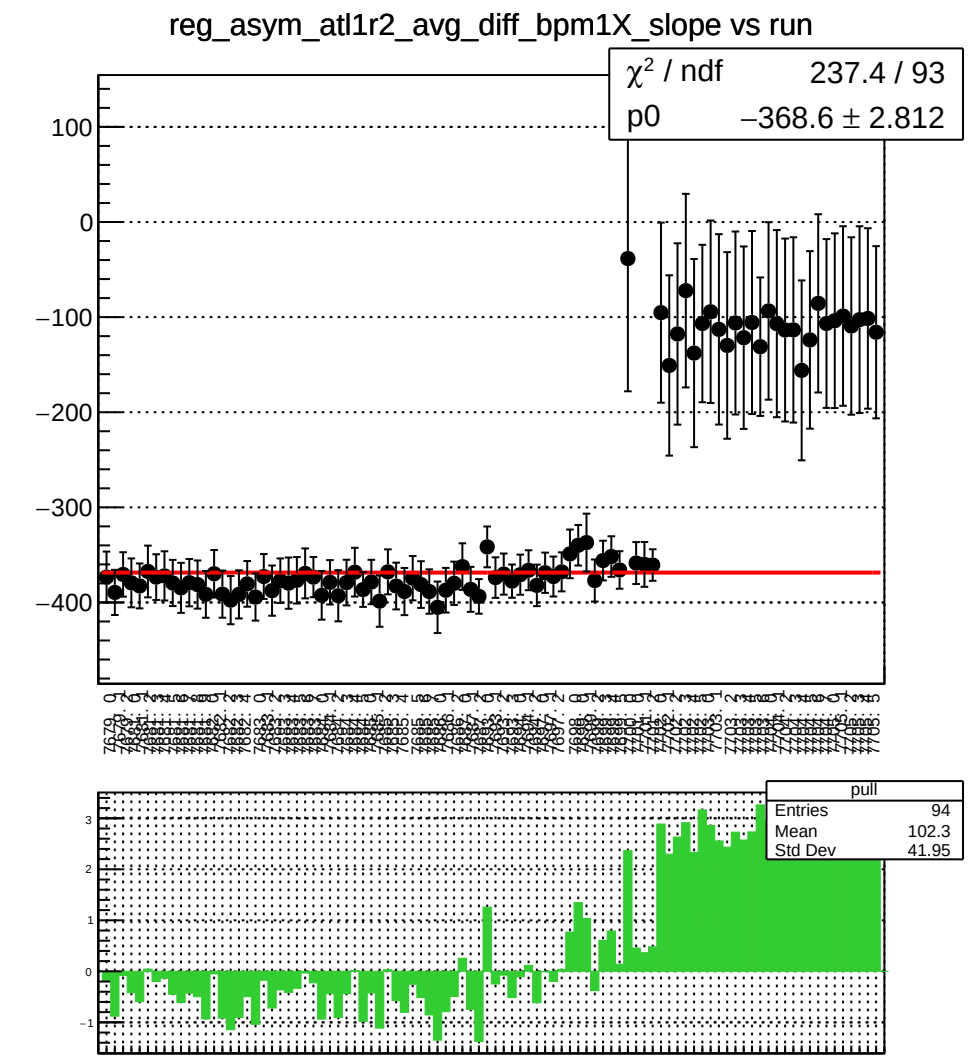

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.2 / 93
p0 146.9 ± 1.257
pull
Entries 94
Mean 101.2
Std Dev 40.14
pull1D
Entries 94
Mean −0.36
Std Dev 1.005

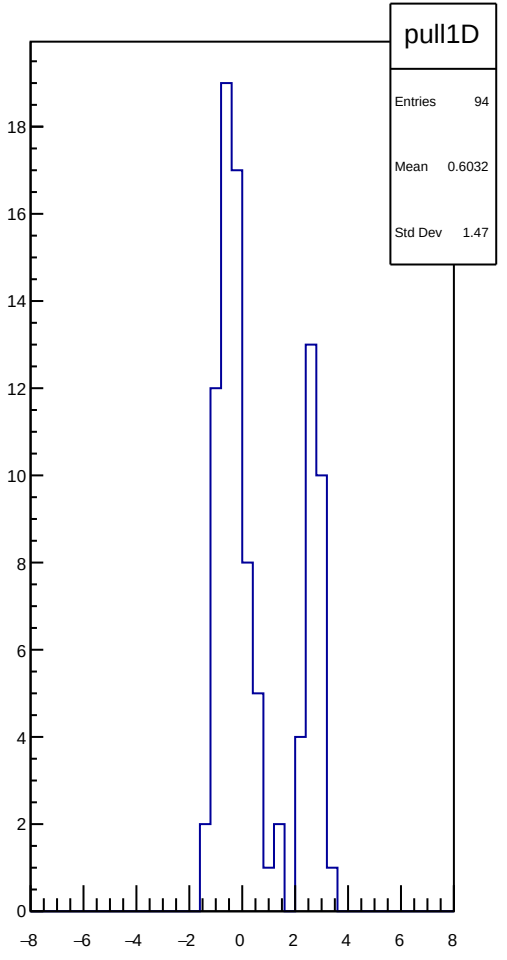

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.79 / 93
p0 −20.43 ± 3.282
100
50
0
−50
−100
pull
Entries 94
Mean −66.48
Std Dev 113.6
1.5
1
0.5
0
−0.5
−1
−1.5

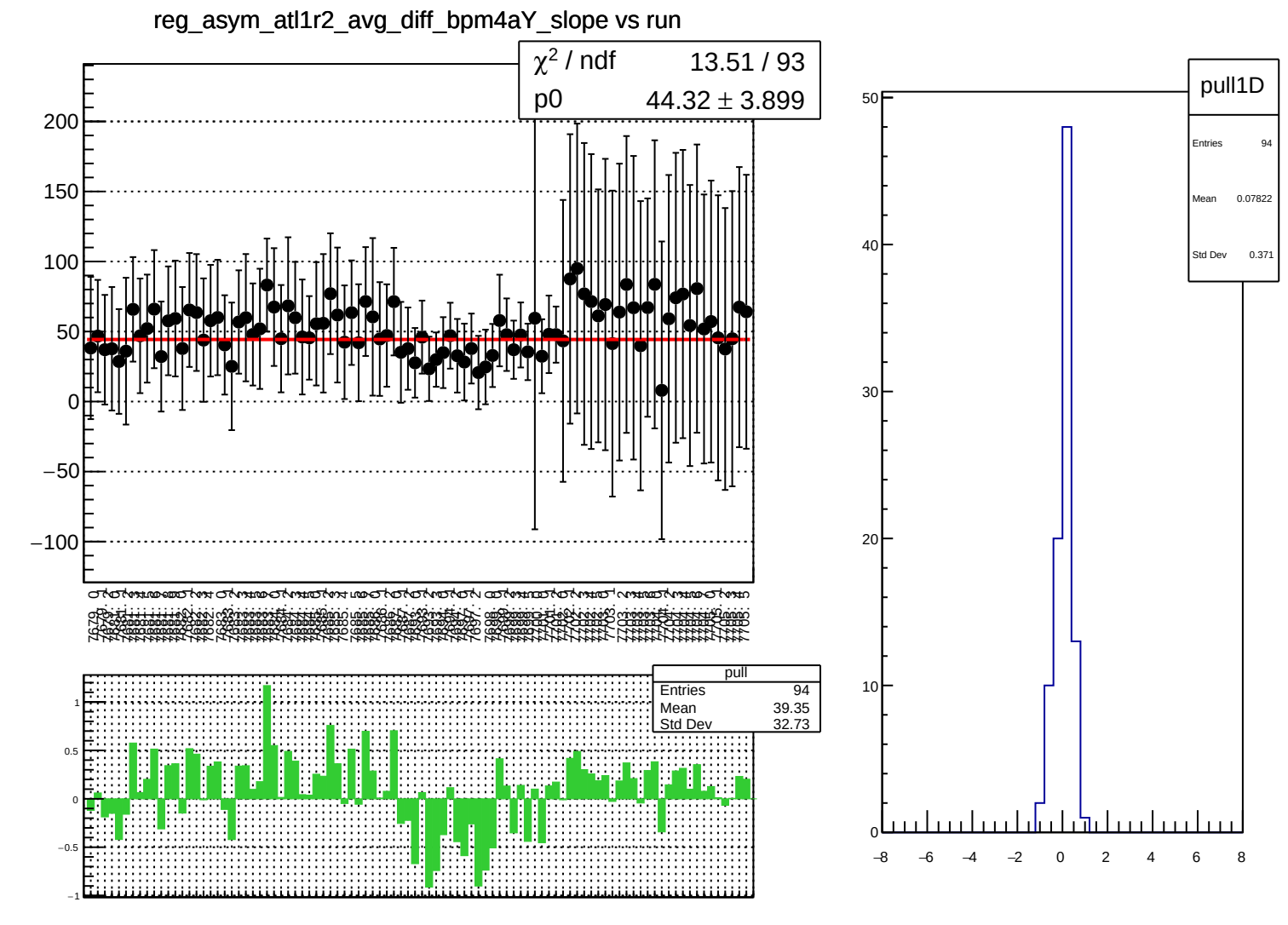

pull1D
Entries 94
Mean −0.01753
Std Dev 0.572
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

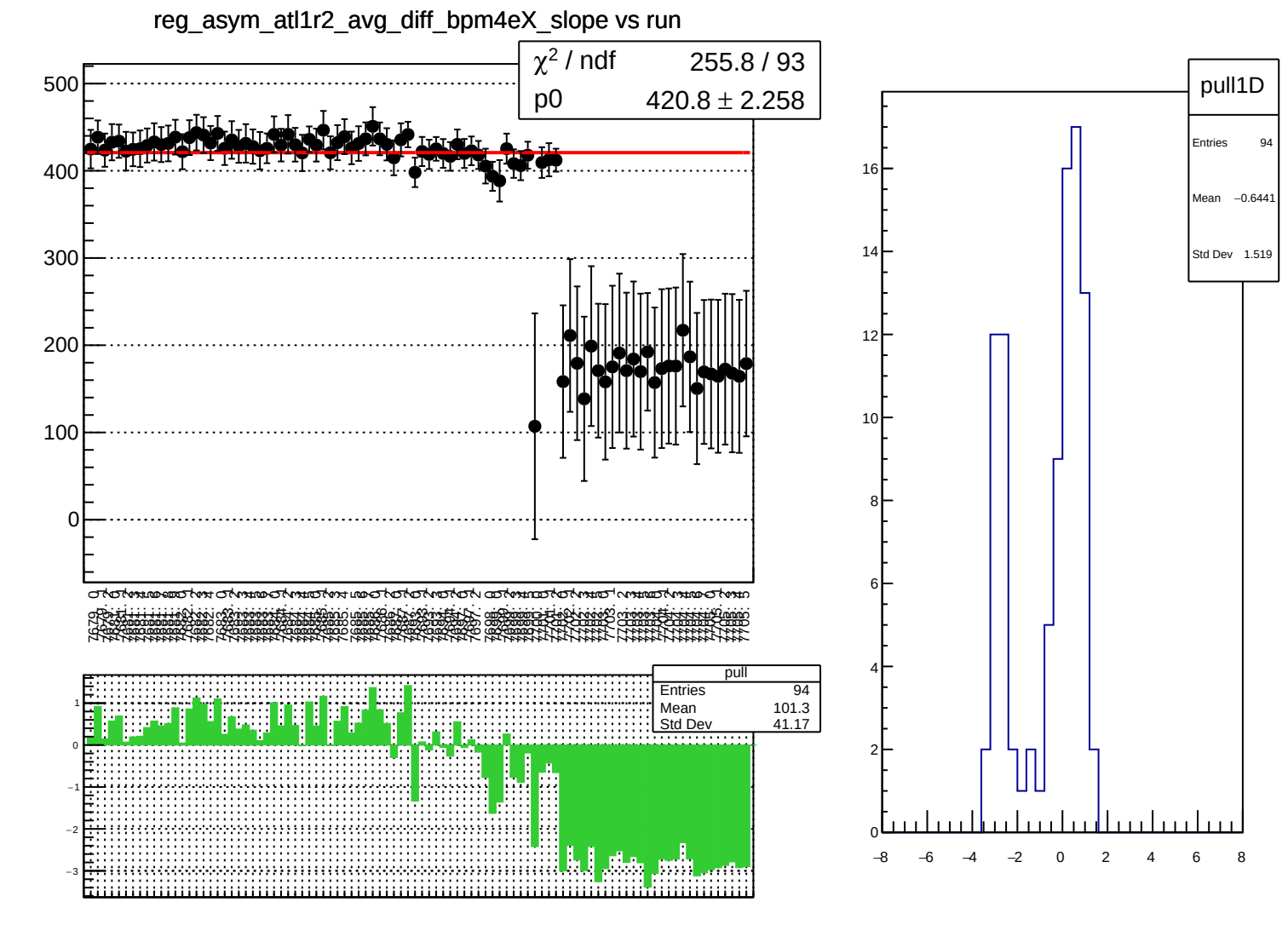

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 158.9 / 93
p0 −15.62 ± 0.163
pull
Entries 94
Mean −303
Std Dev 354.2

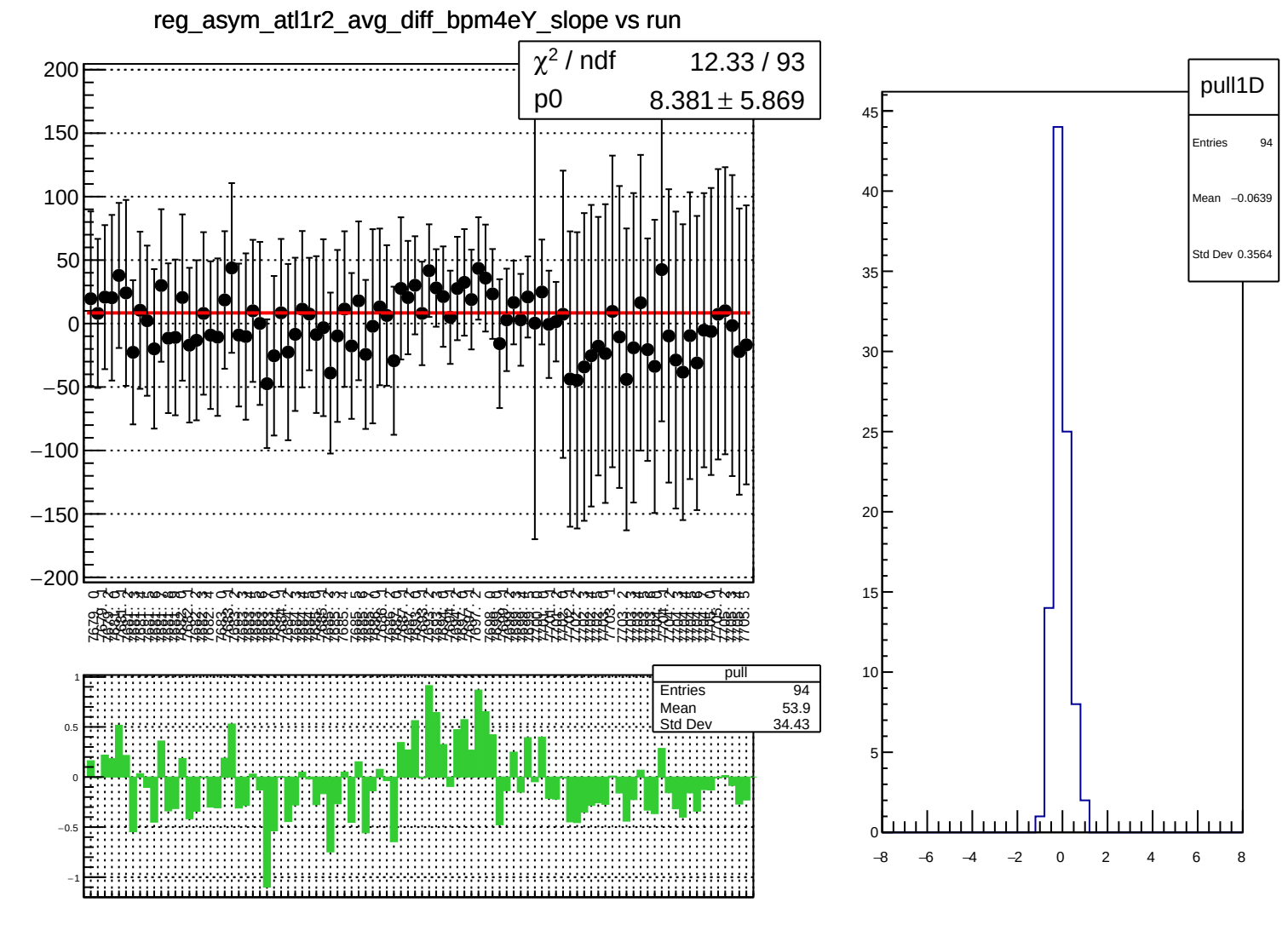

pull1D
Entries 94
Mean −0.0768
Std Dev 1.298

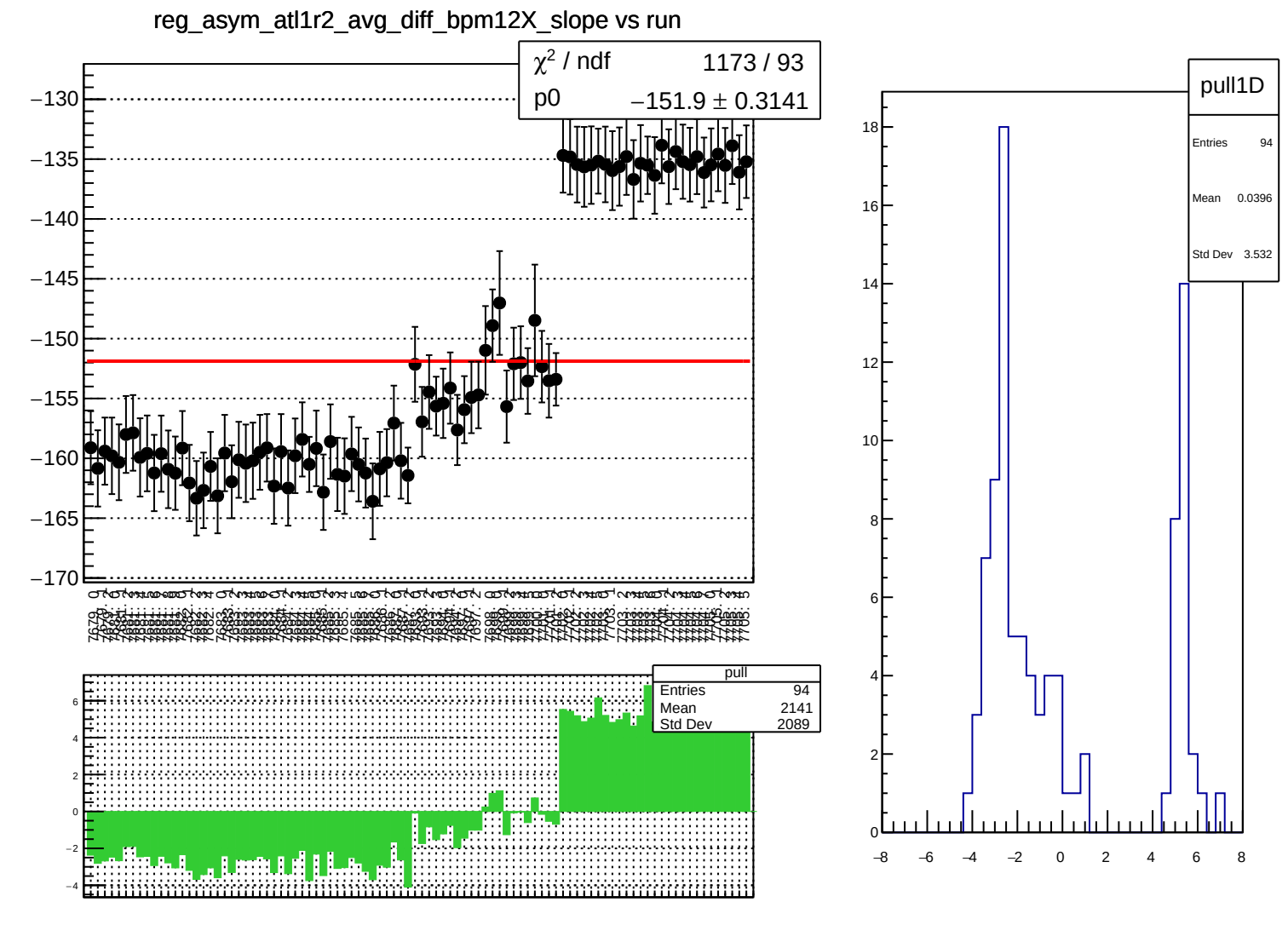

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 237.4 / 93
p0 −368.6 ± 2.812
100
0
−100
−200
−300
−400
pull
Entries 94
Mean 102.3
Std Dev 41.95
3
2
1
0
−1

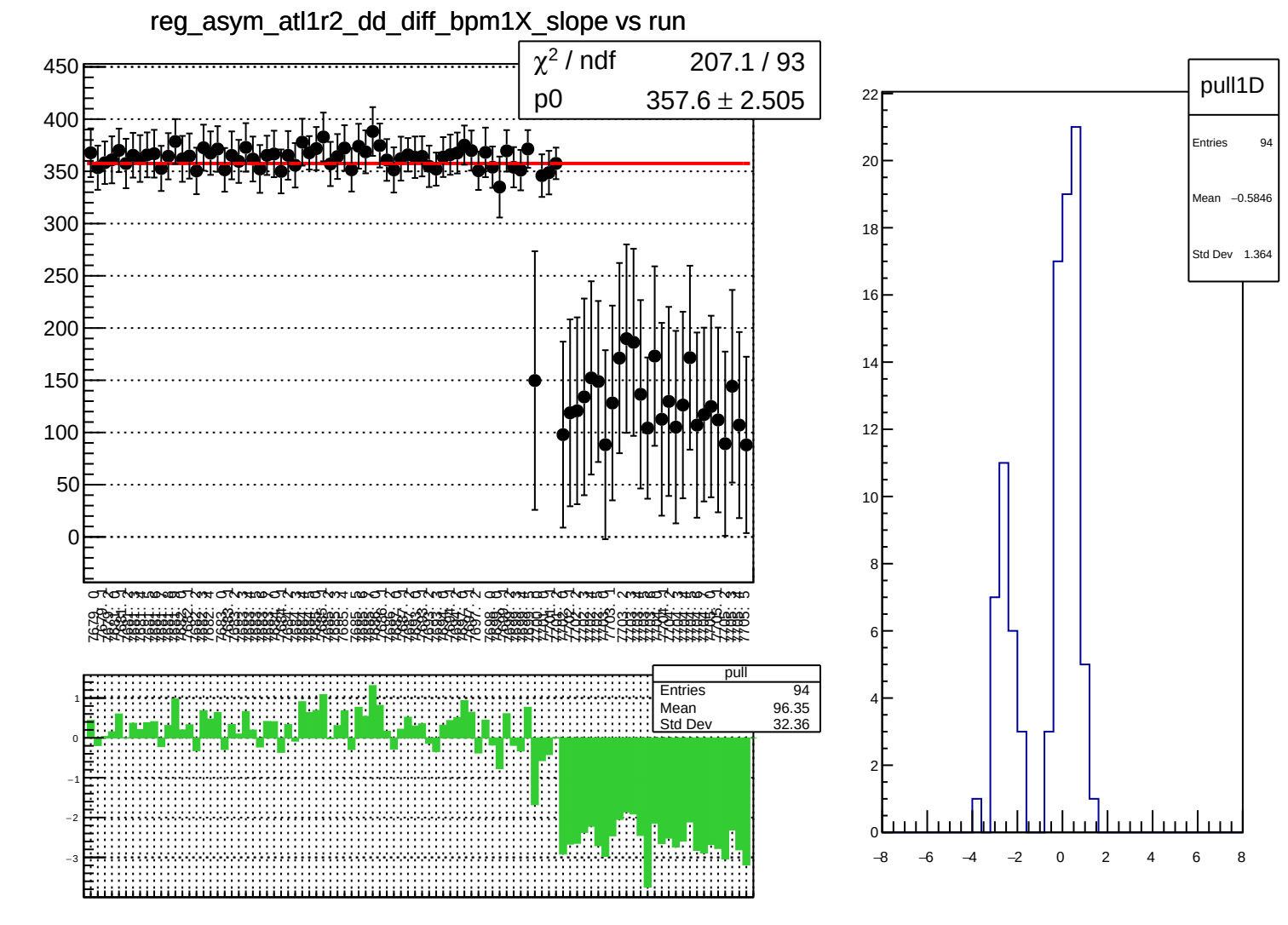

pull1D
Entries 94
Mean 0.6032
Std Dev 1.47
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

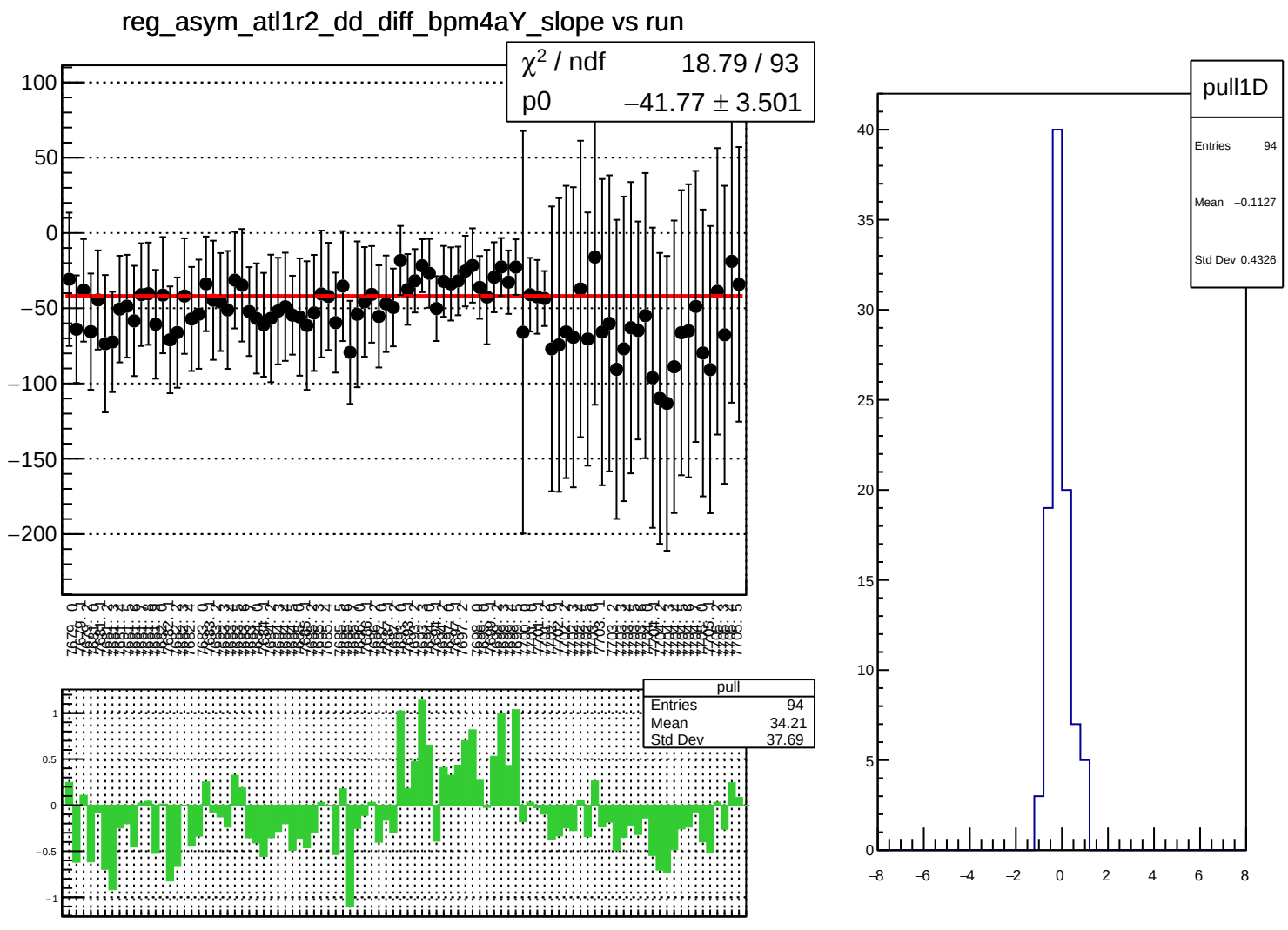

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.51 / 93
p0 44.32 ± 3.899
pull
Entries 94
Mean 39.35
Std Dev 32.73
pull1D
Entries 94
Mean 0.07822
Std Dev 0.371

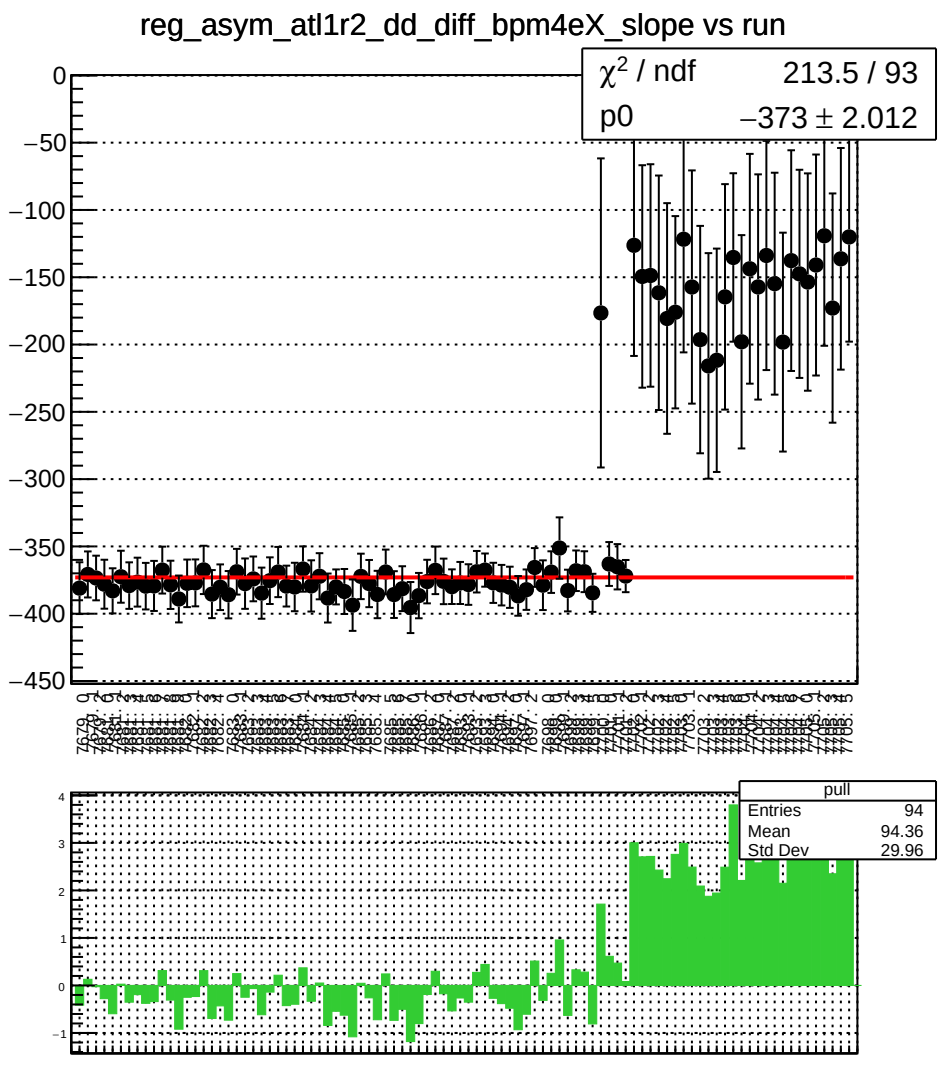

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 255.8 / 93
p0 420.8 ± 2.258
500
400
300
200
100
0
pull
Entries 94
Mean 101.3
Std Dev 41.17
1
0
−1
−2
−3
pull1D
Entries 94
Mean −0.6441
Std Dev 1.519
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

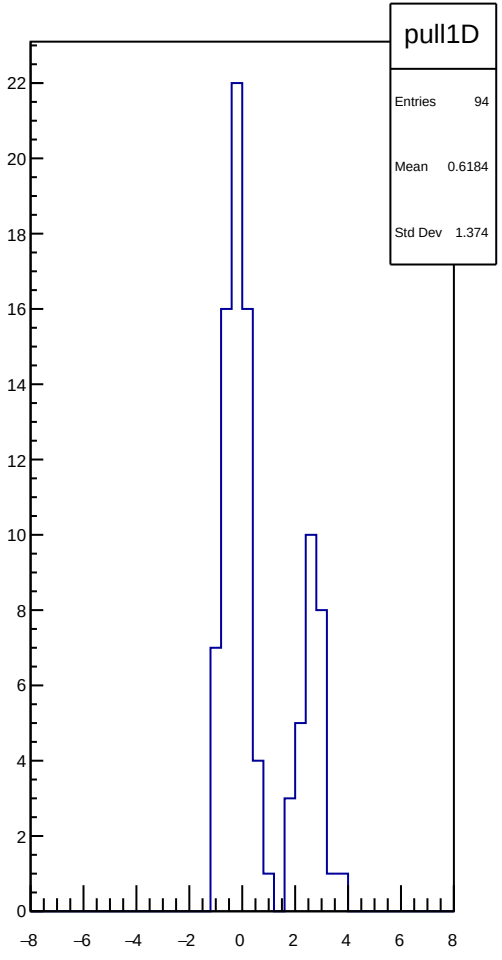

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.33 / 93
p0 8.381 ± 5.869
pull
Entries 94
Mean 53.9
Std Dev 34.43
pull1D
Entries 94
Mean −0.0639
Std Dev 0.3564

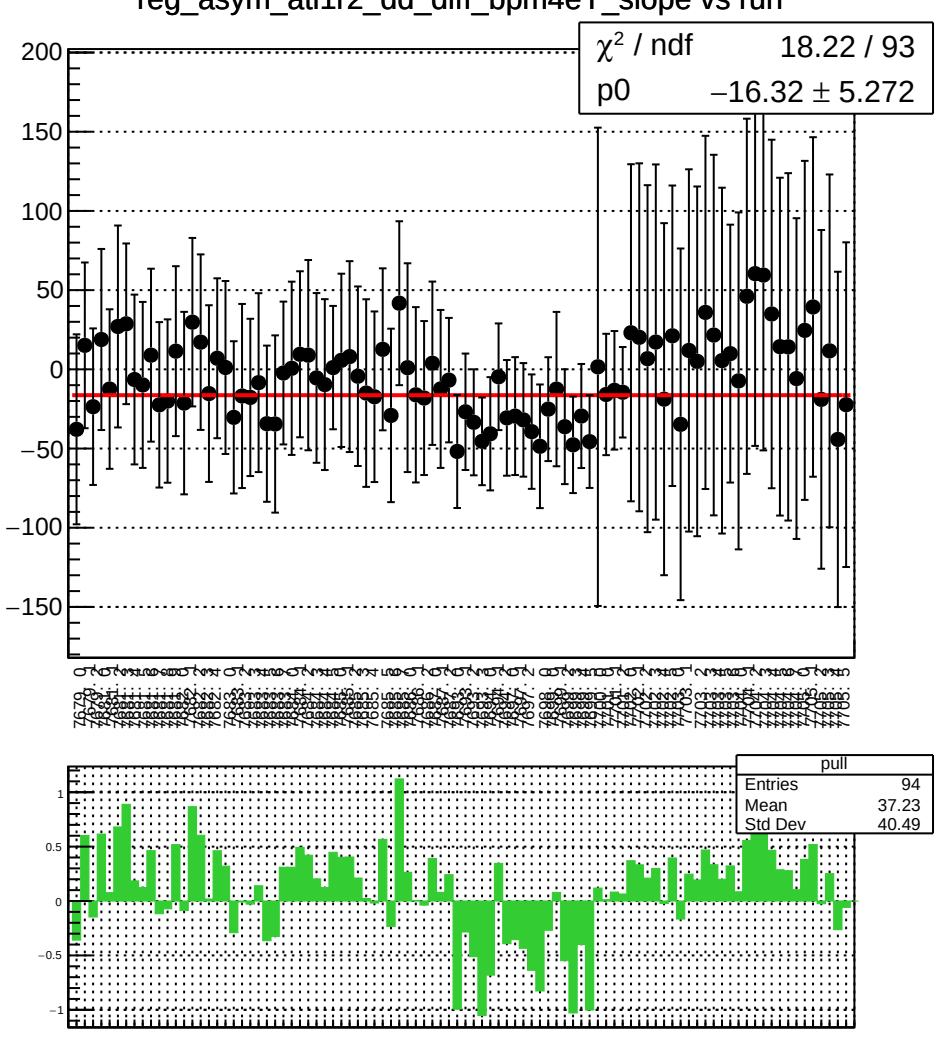

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 1173 / 93
p0 −151.9 ± 0.3141
pull
Entries 94
Mean 2141
Std Dev 2089
pull1D
Entries 94
Mean 0.0396
Std Dev 3.532

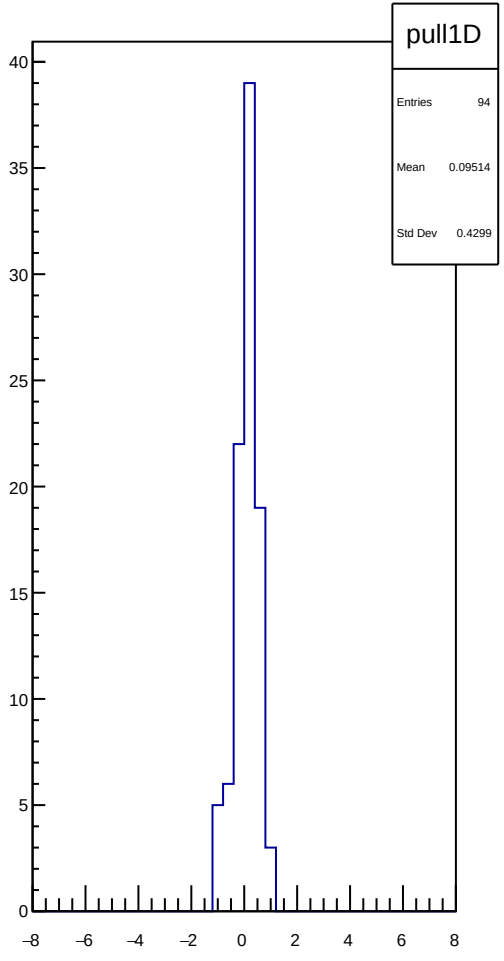

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 207.1 / 93
p0 357.6 ± 2.505
pull
Entries 94
Mean 96.35
Std Dev 32.36
pull1D
Entries 94
Mean −0.5846
Std Dev 1.364

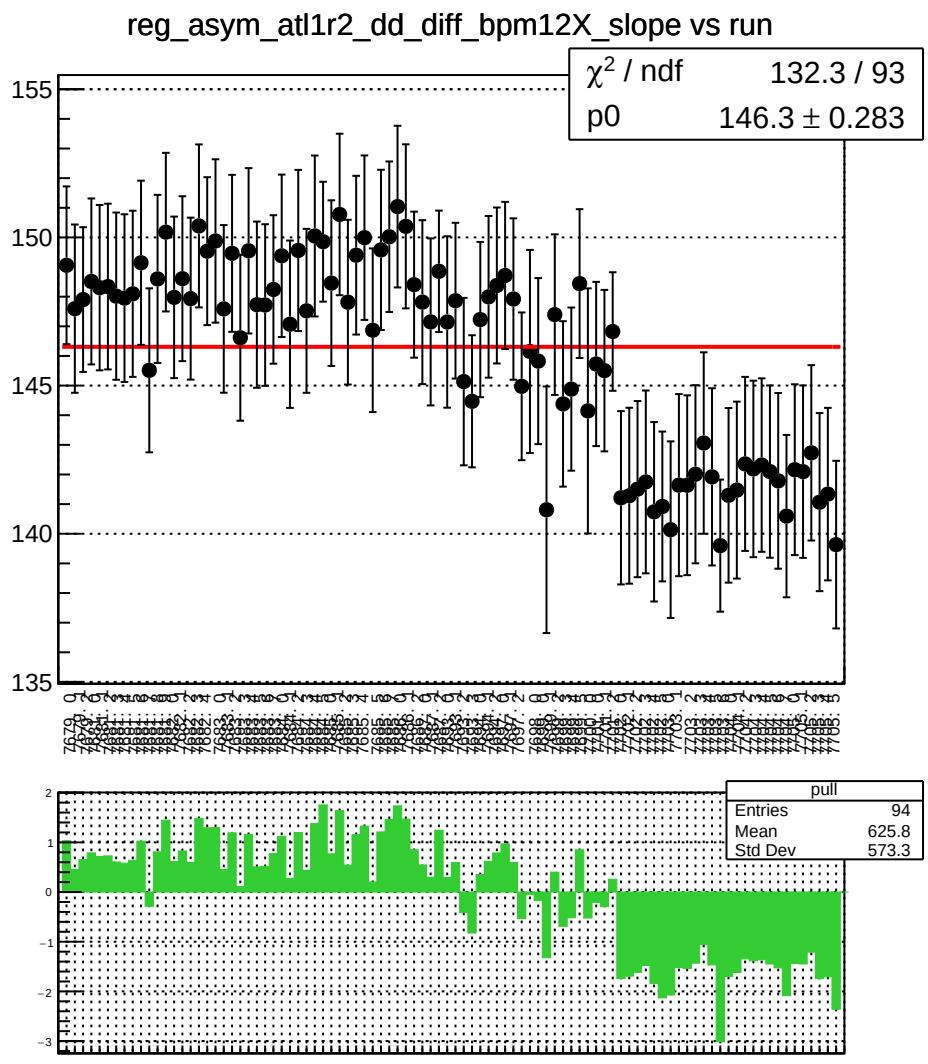

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.79 / 93
p0 −41.77 ± 3.501
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean 34.21
Std Dev 37.69
1
0.5
0
−0.5
−1
pull1D
Entries 94
Mean −0.1127
Std Dev 0.4326
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

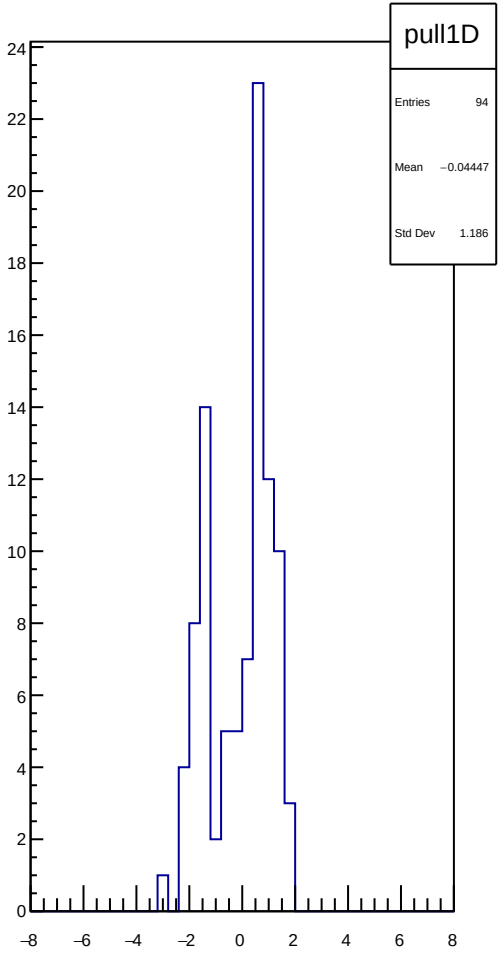

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 213.5 / 93
p0 −373 ± 2.012
pull
Entries 94
Mean 94.36
Std Dev 29.96

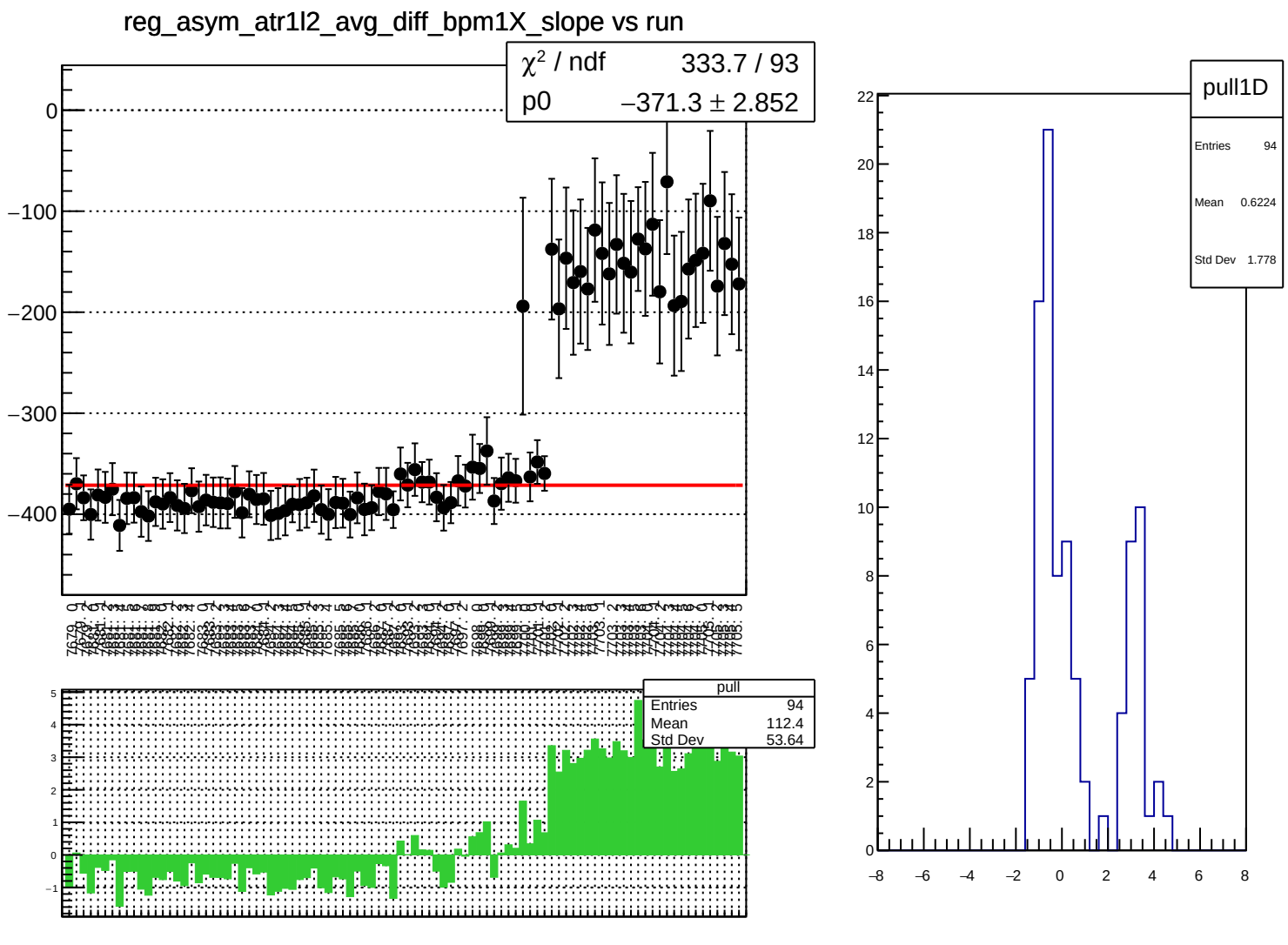

pull1D
Entries 94
Mean 0.6184
Std Dev 1.374

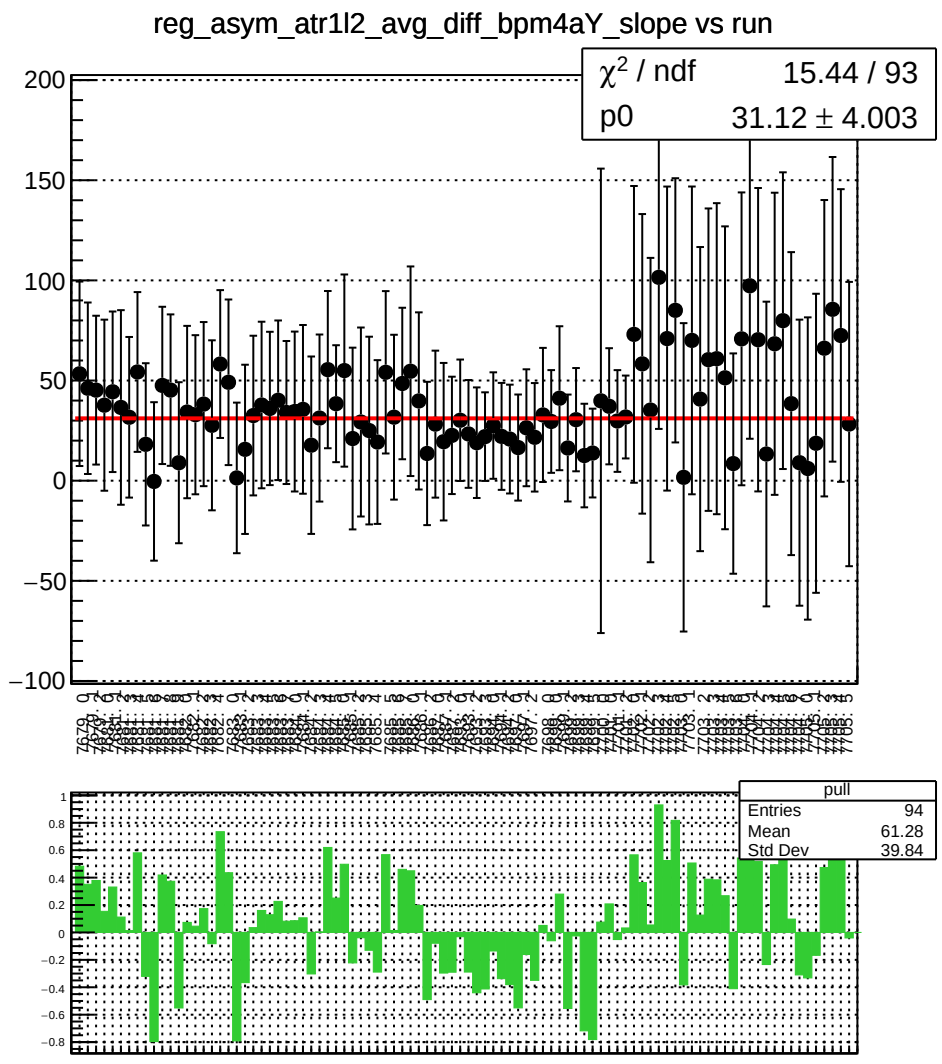

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.22 / 93
p0 −16.32 ± 5.272
pull
Entries 94
Mean 37.23
Std Dev 40.49

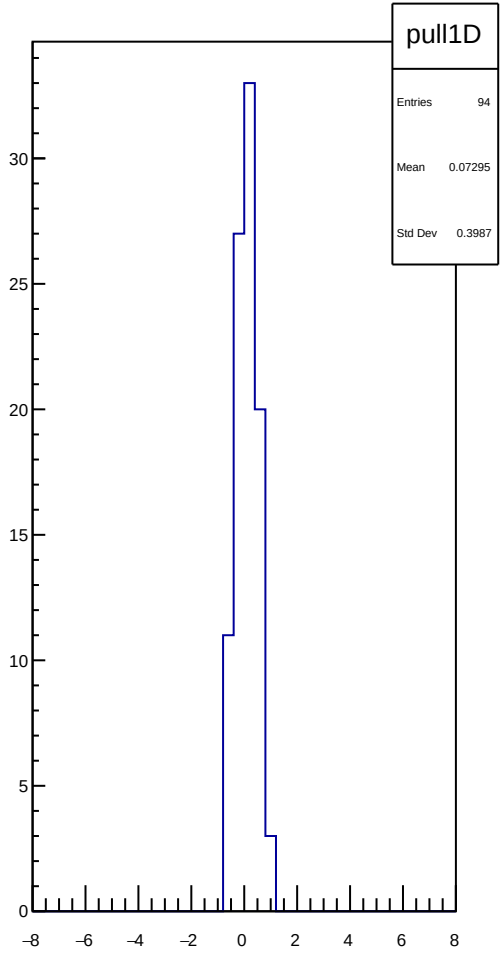

pull1D
Entries 94
Mean 0.09514
Std Dev 0.4299

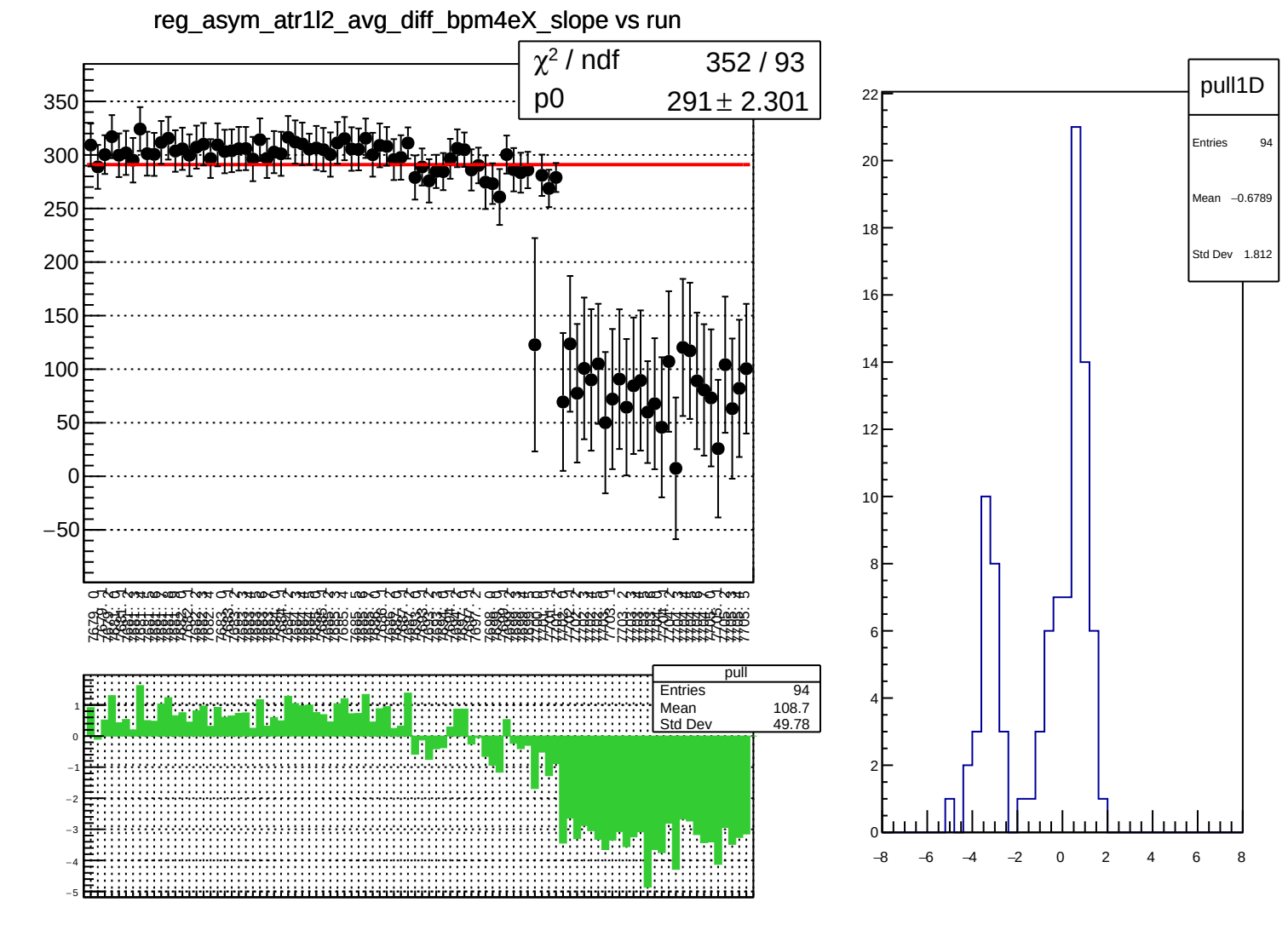

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 132.3 / 93
p0 146.3 ± 0.283
155
150
145
140
135
pull
Entries 94
Mean 625.8
Std Dev 573.3
2
1
0
−1
−2
−3

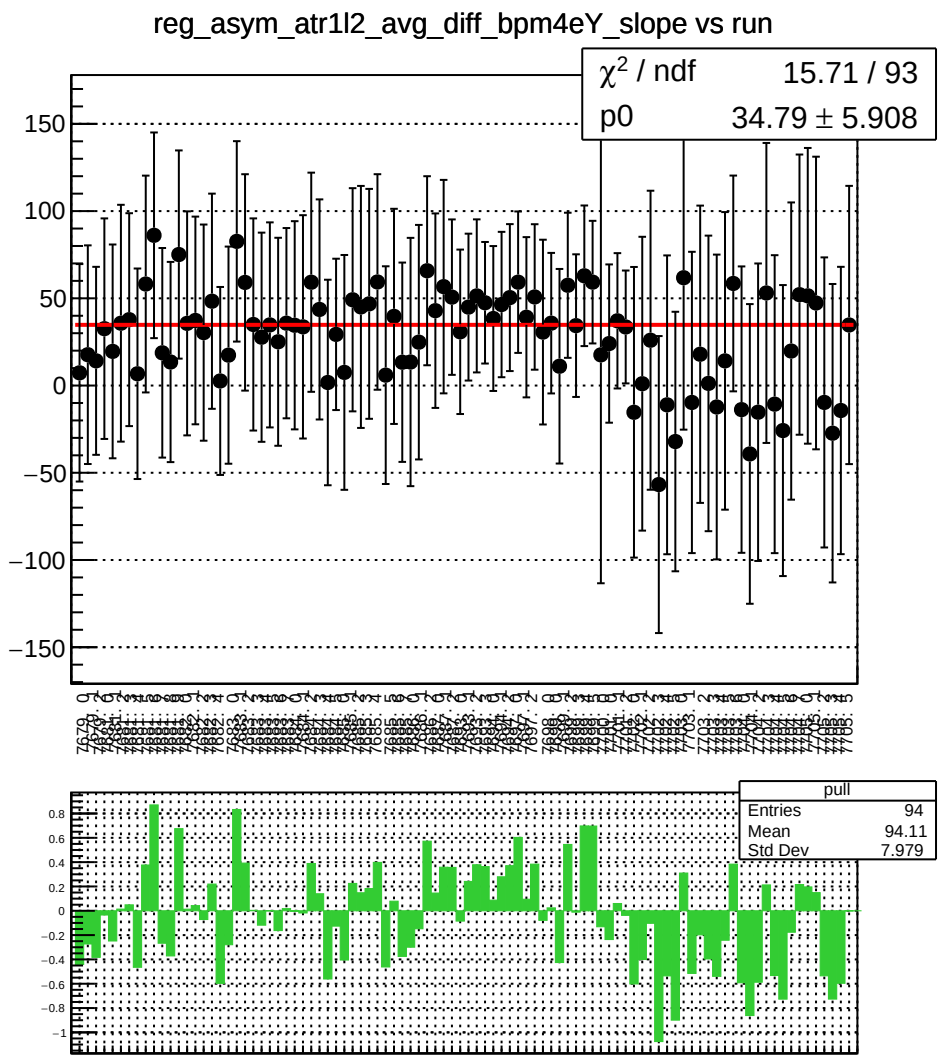

pull1D
Entries 94
Mean −0.04447
Std Dev 1.186
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

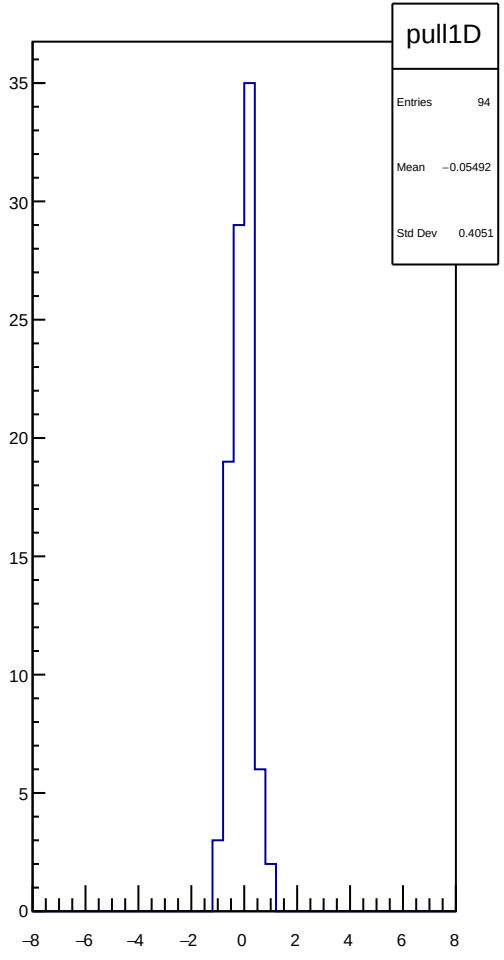

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 333.7 / 93
p0 −371.3 ± 2.852
0
−100
−200
−300
−400
pull
Entries 94
Mean 112.4
Std Dev 53.64
5
4
3
2
1
0
−1
pull1D
Entries 94
Mean 0.6224
Std Dev 1.778
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

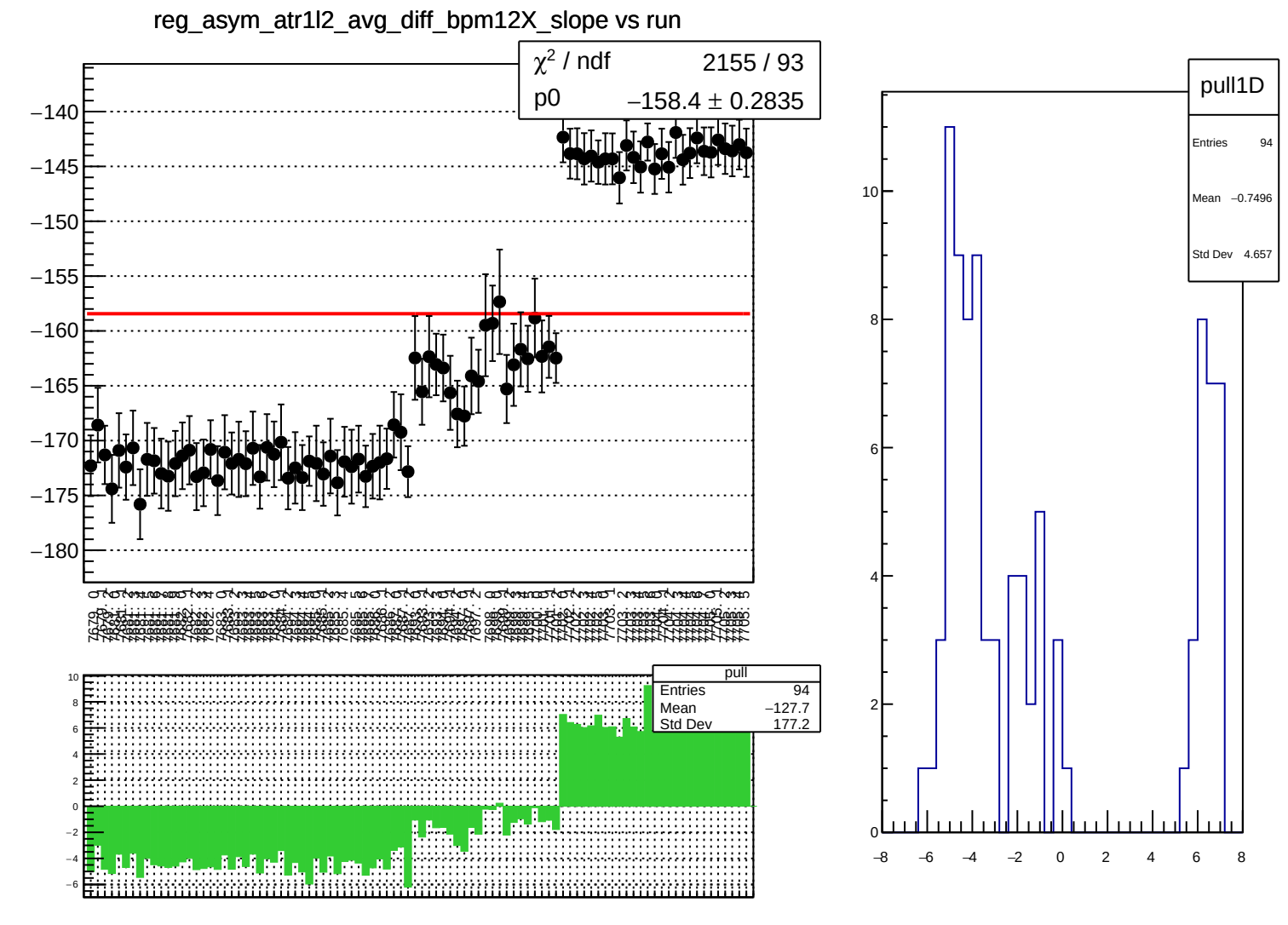

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 15.44 / 93
p0 31.12 ± 4.003
pull
Entries 94
Mean 61.28
Std Dev 39.84

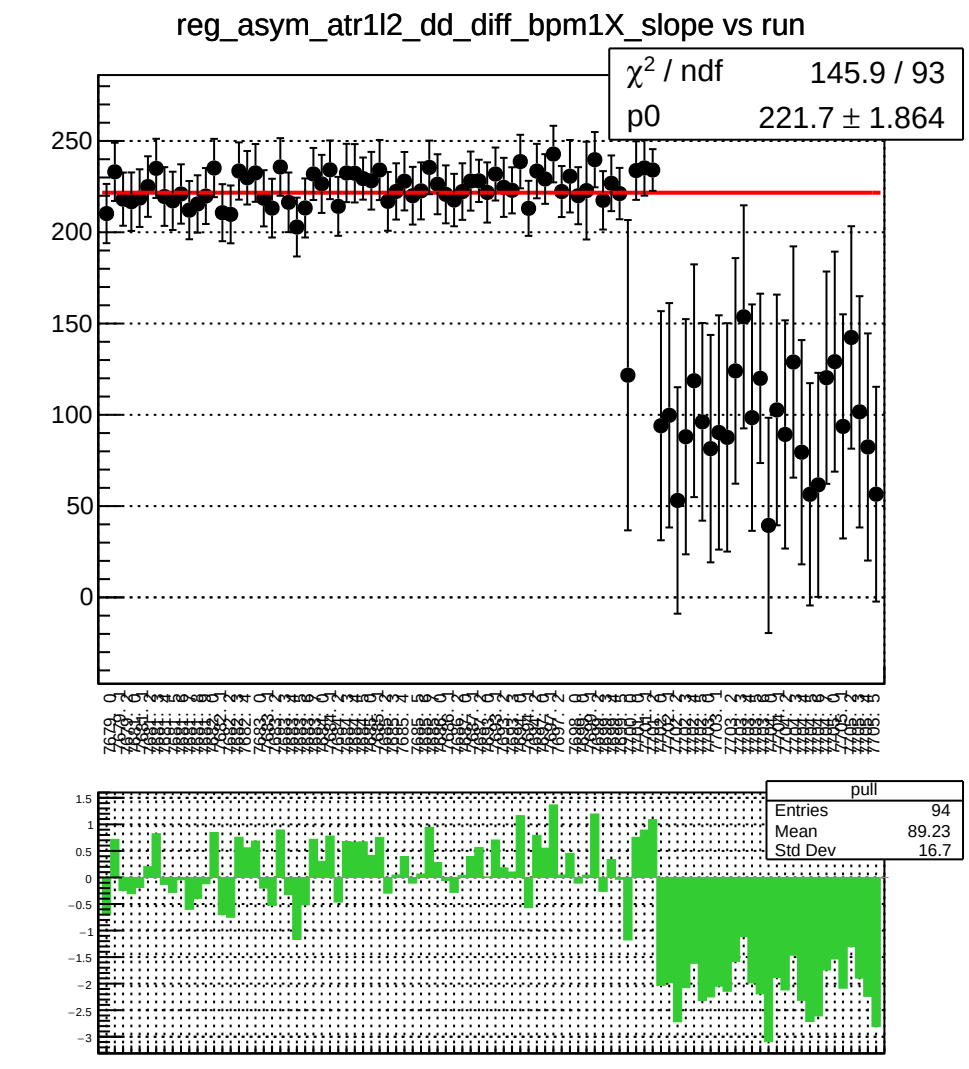

pull1D
Entries 94
Mean 0.07295
Std Dev 0.3987

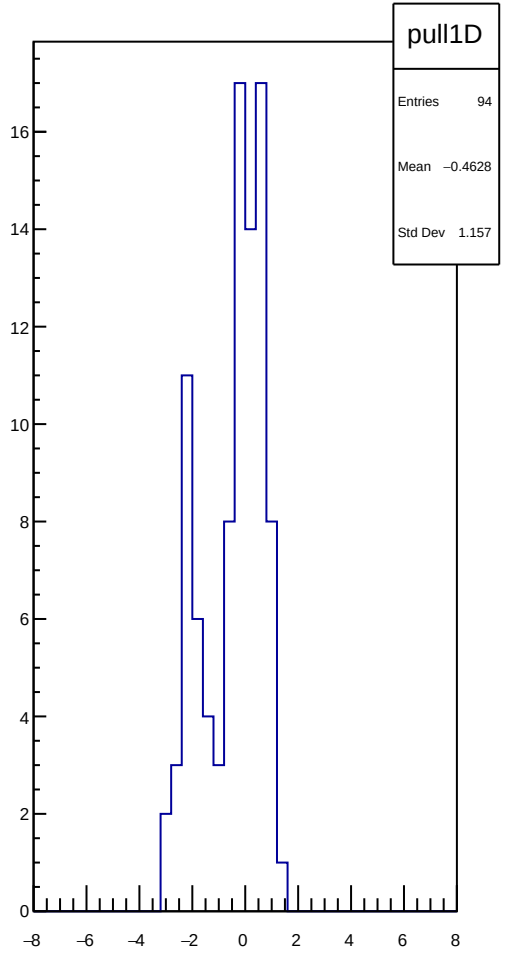

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 352 / 93
p0 291 ± 2.301
pull
Entries 94
Mean 108.7
Std Dev 49.78
pull1D
Entries 94
Mean −0.6789
Std Dev 1.812

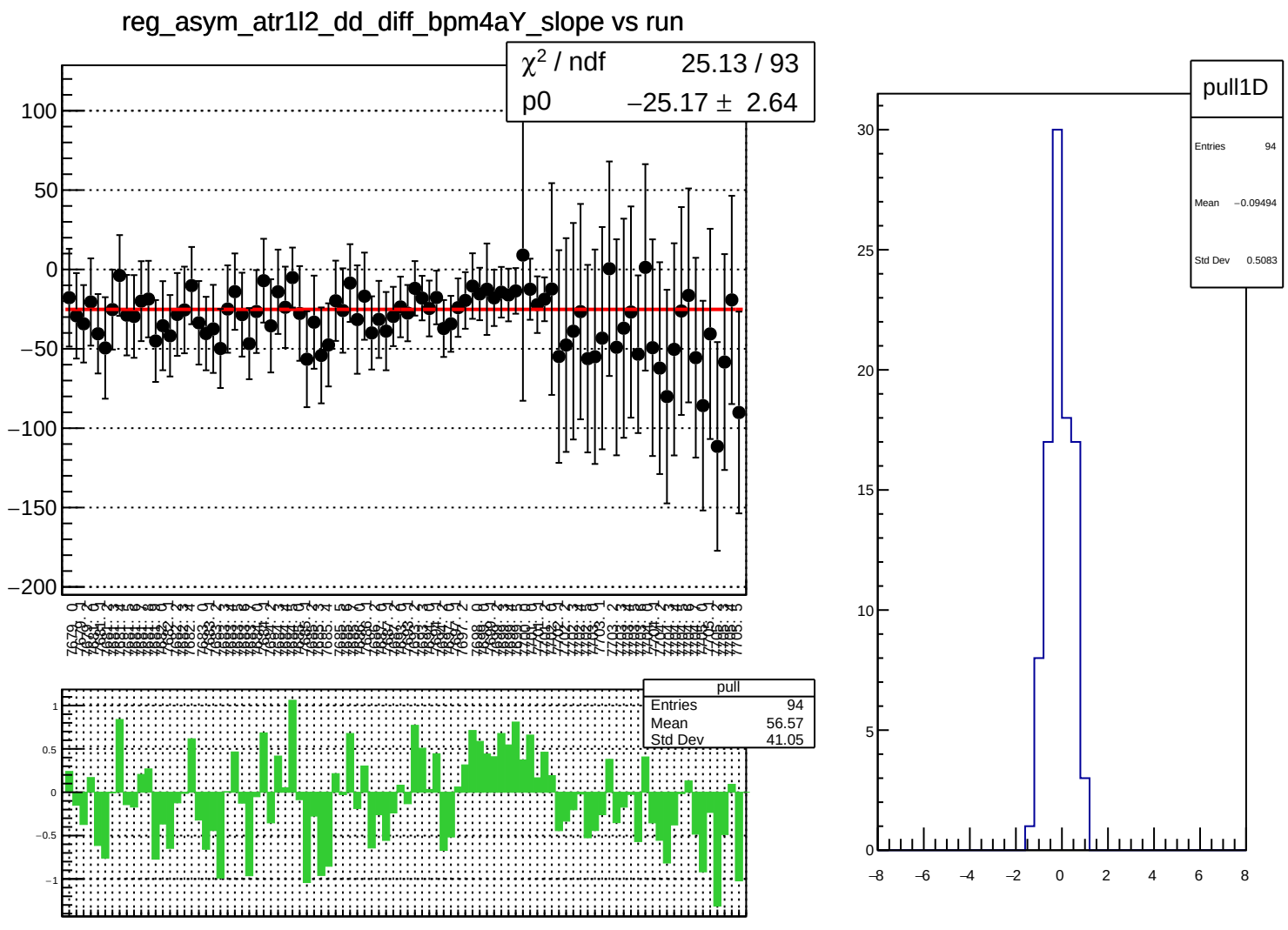

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.71 / 93
p0 34.79 ± 5.908
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean 94.11
Std Dev 7.979
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

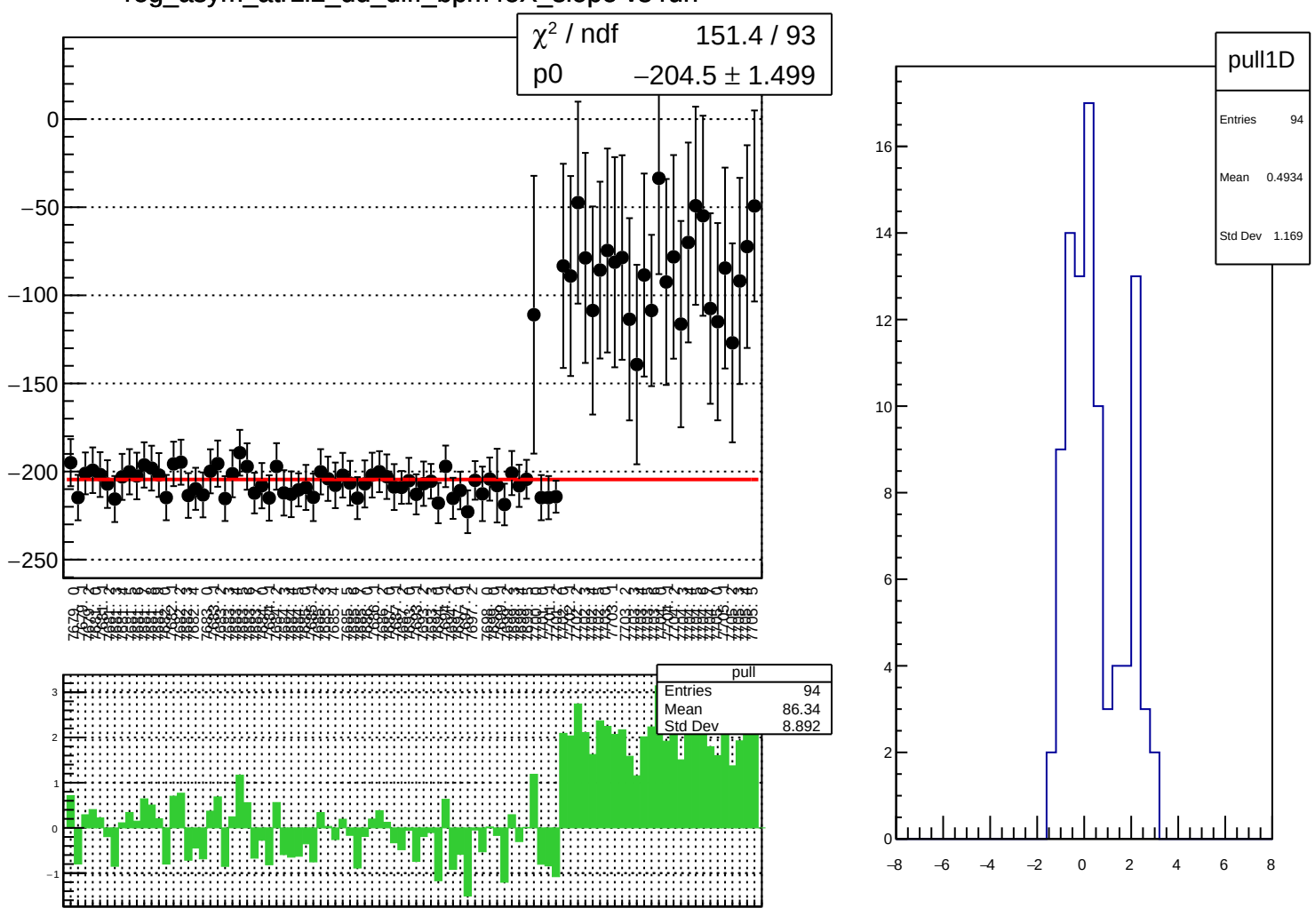

pull1D
Entries 94
Mean −0.05492
Std Dev 0.4051
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

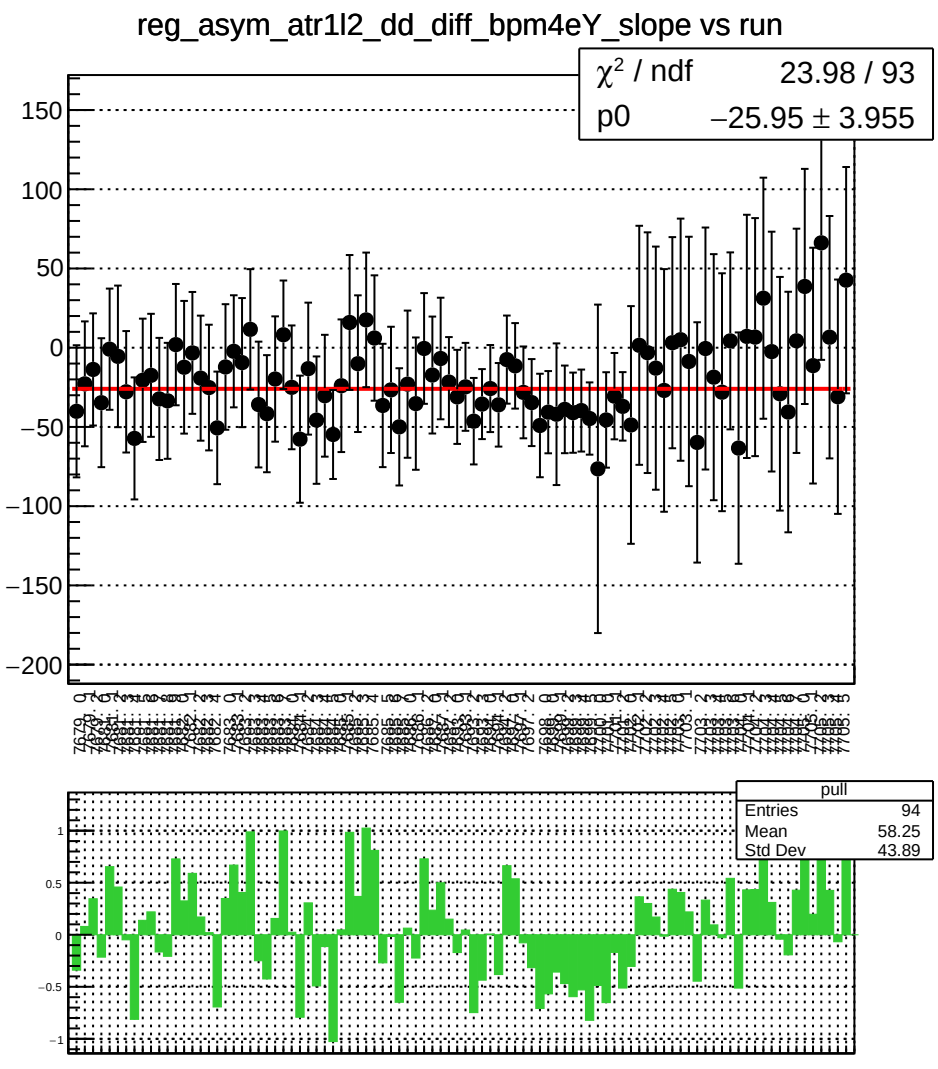

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 2155 / 93
p0 −158.4 ± 0.2835
pull
Entries 94
Mean −127.7
Std Dev 177.2
pull1D
Entries 94
Mean −0.7496
Std Dev 4.657

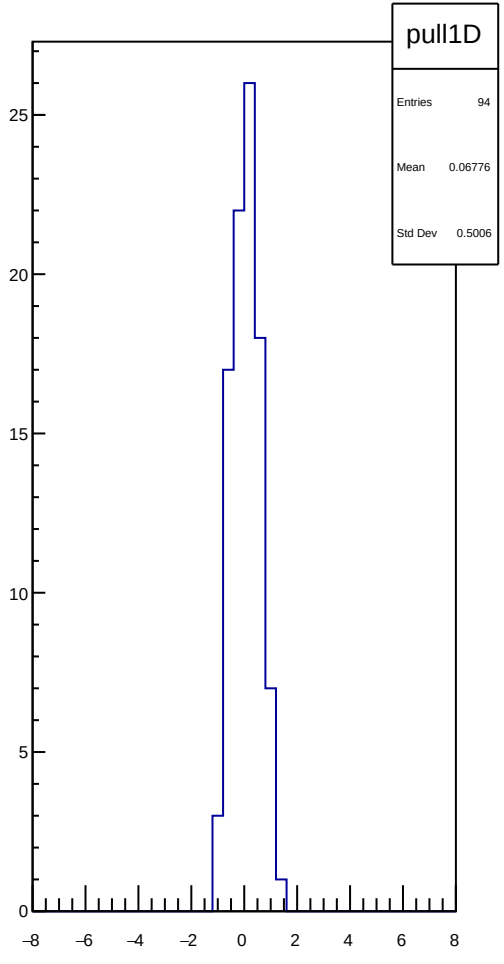

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 145.9 / 93
p0 221.7 ± 1.864
250
200
150
100
50
0
pull
Entries 94
Mean 89.23
Std Dev 16.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

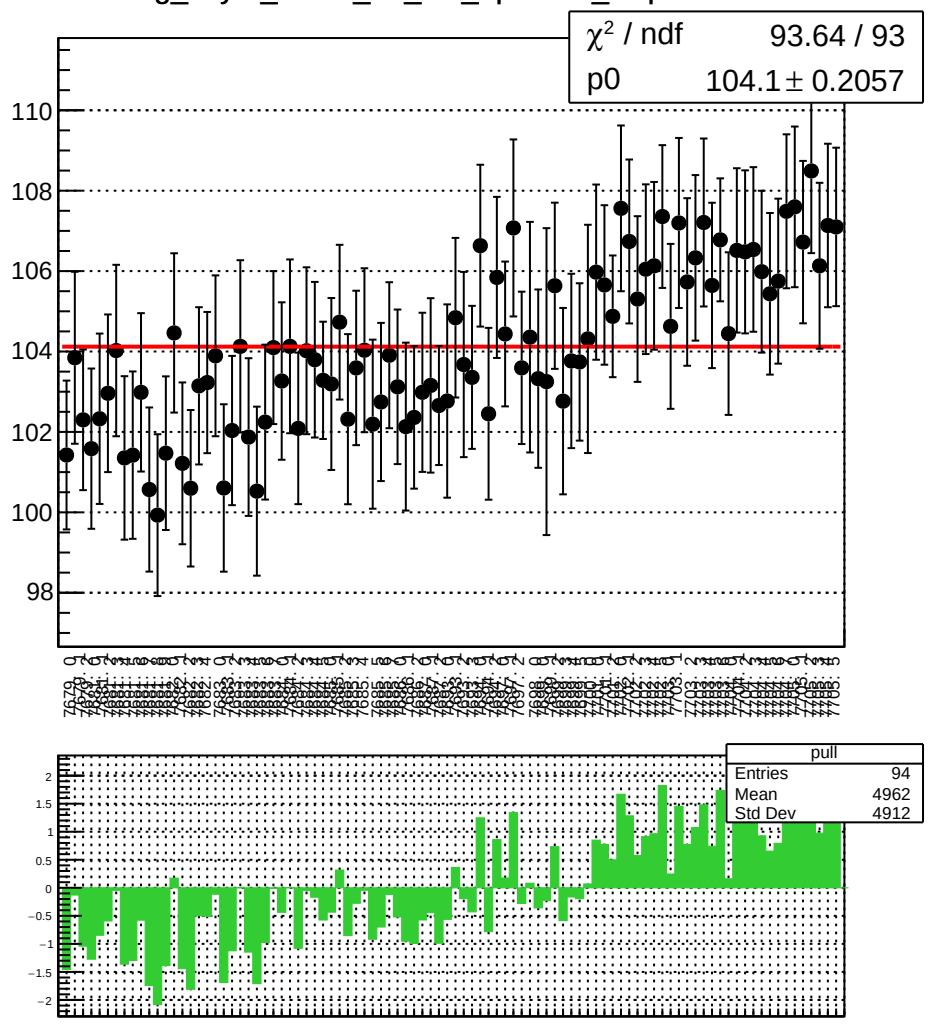

pull1D
Entries 94
Mean −0.4628
Std Dev 1.157
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

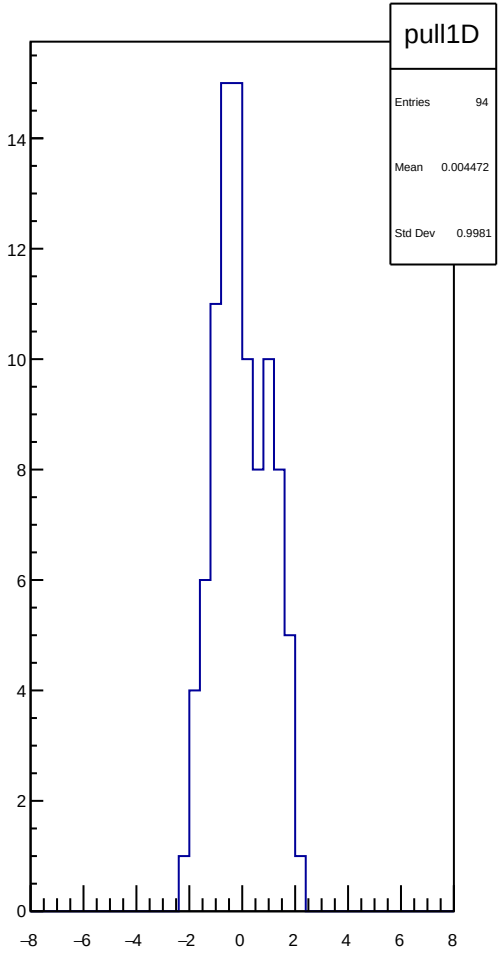

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.13 / 93
p0 −25.17 ± 2.64
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean 56.57
Std Dev 41.05
1
0.5
0
−0.5
−1
pull1D
Entries 94
Mean −0.09494
Std Dev 0.5083
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

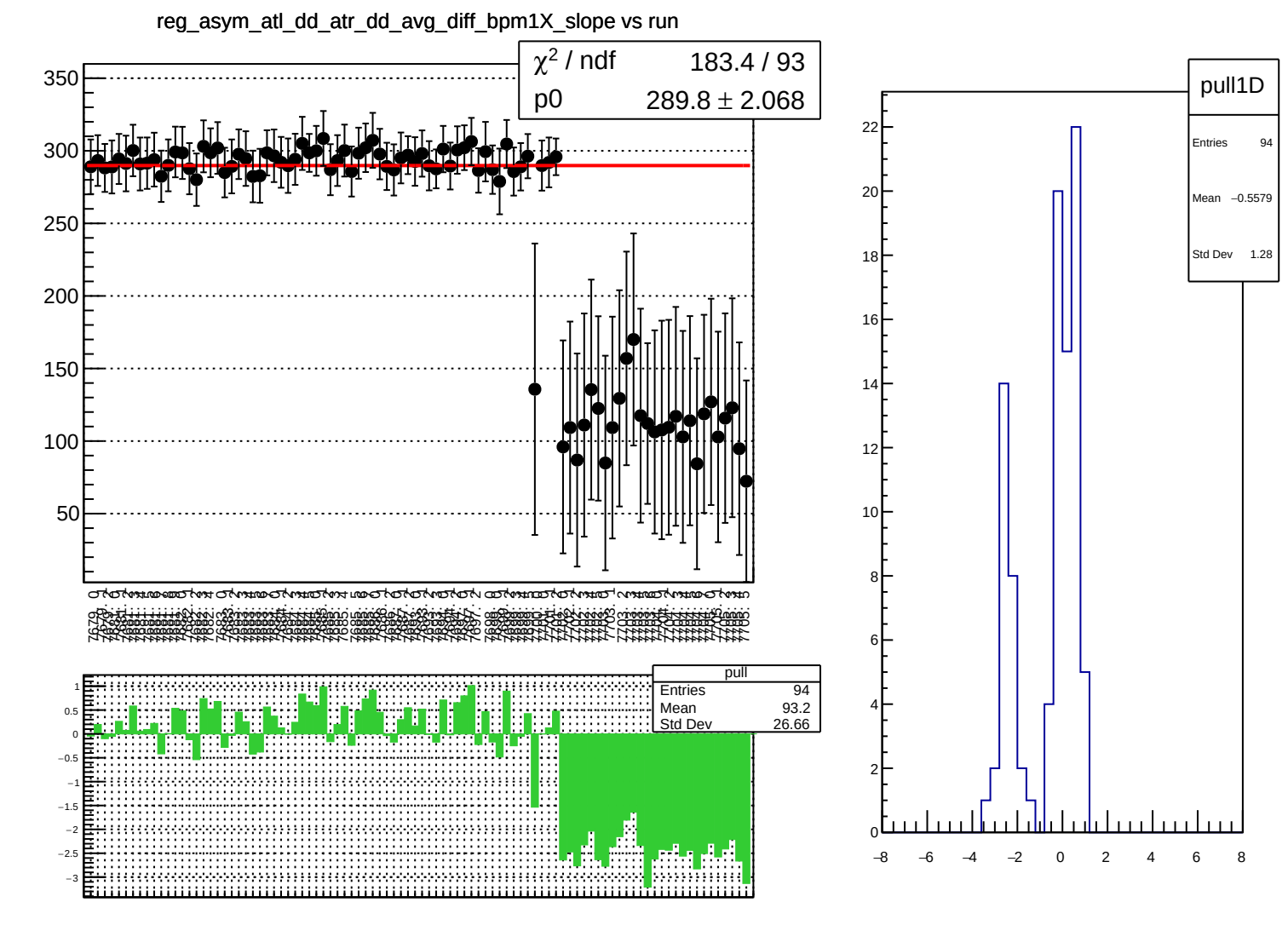

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 151.4 / 93
p0 −204.5 ± 1.499
0
−50
−100
−150
−200
−250
pull
Entries 94
Mean 86.34
Std Dev 8.892
3
2
1
0
−1
pull1D
Entries 94
Mean 0.4934
Std Dev 1.169
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

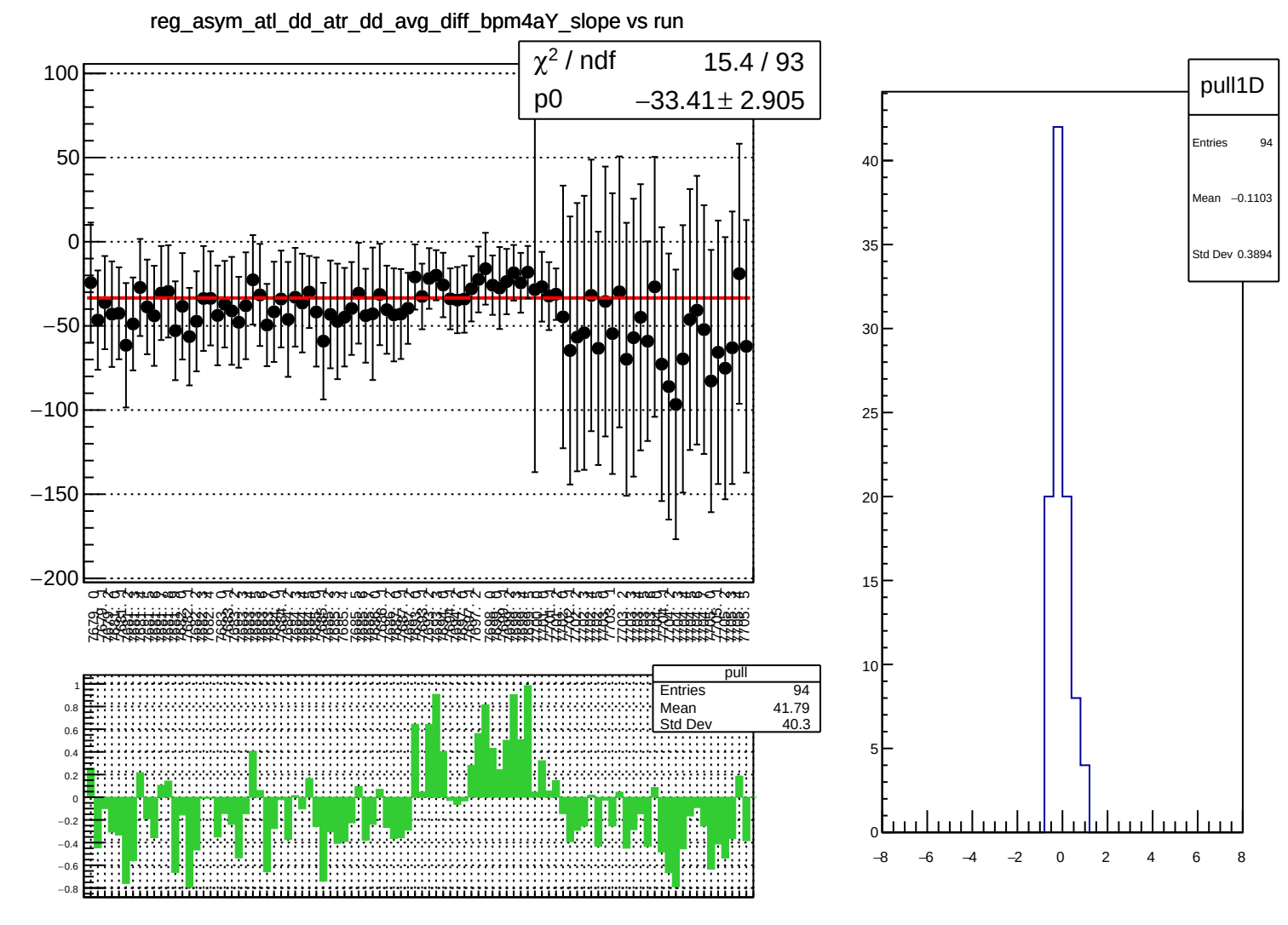

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.98 / 93
p0 −25.95 ± 3.955
150
100
50
0
−50
−100
−150
−200
pull
Entries 94
Mean 58.25
Std Dev 43.89
1
0.5
0
−0.5
−1

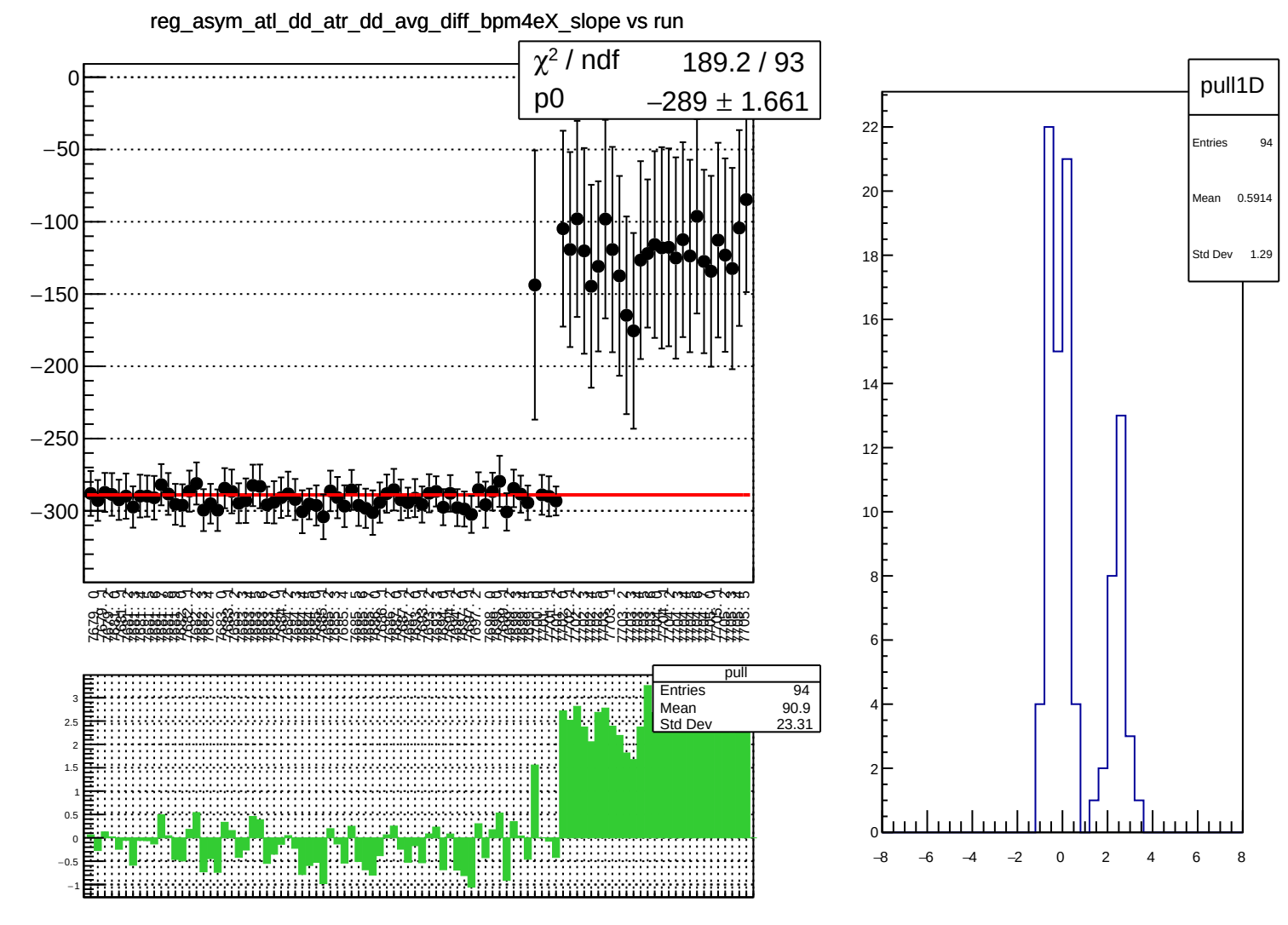

pull1D
Entries 94
Mean 0.06776
Std Dev 0.5006
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

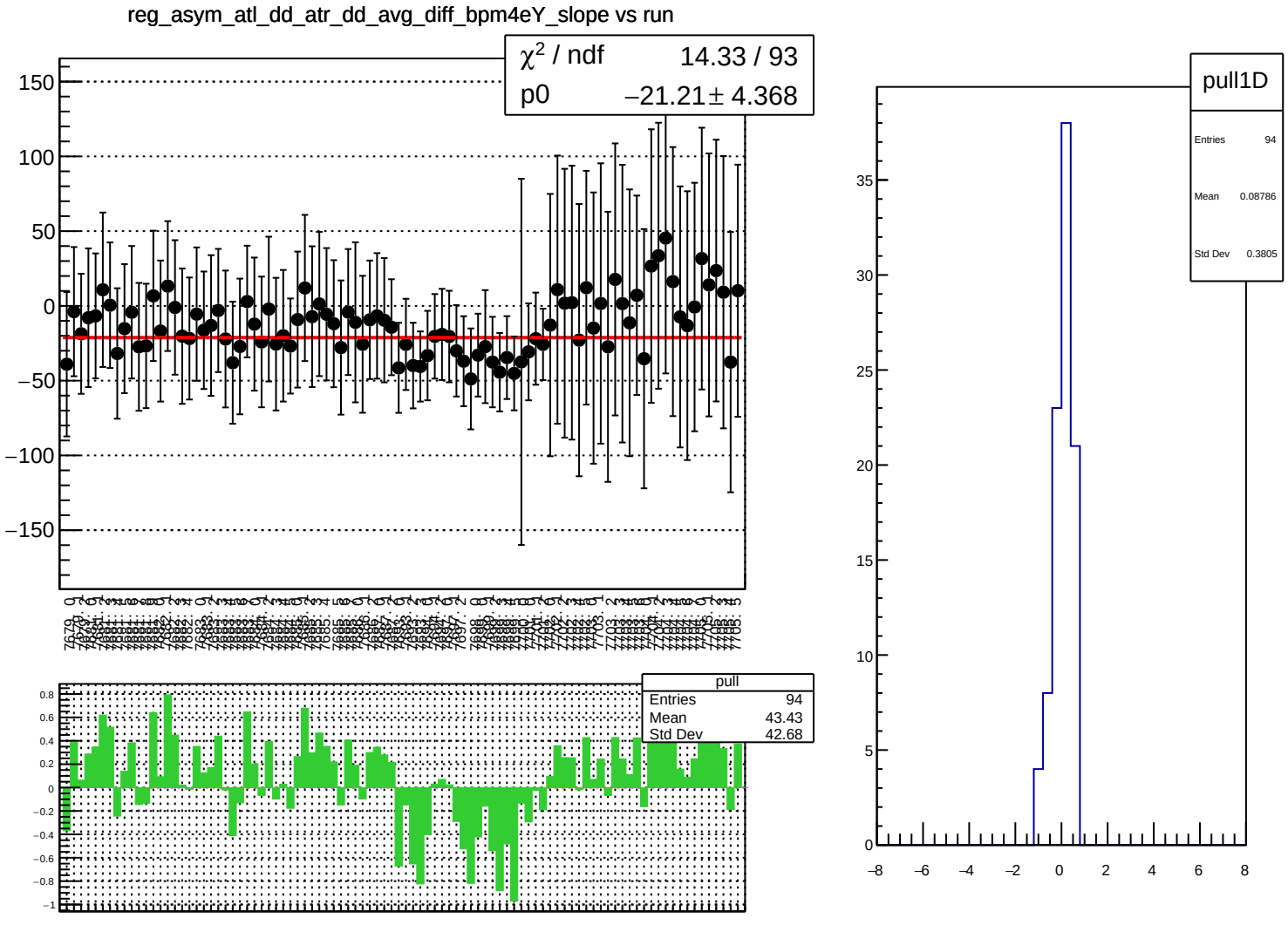

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 93.64 / 93
p0 104.1 ± 0.2057
110
108
106
104
102
100
98
pull
Entries 94
Mean 4962
Std Dev 4912
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

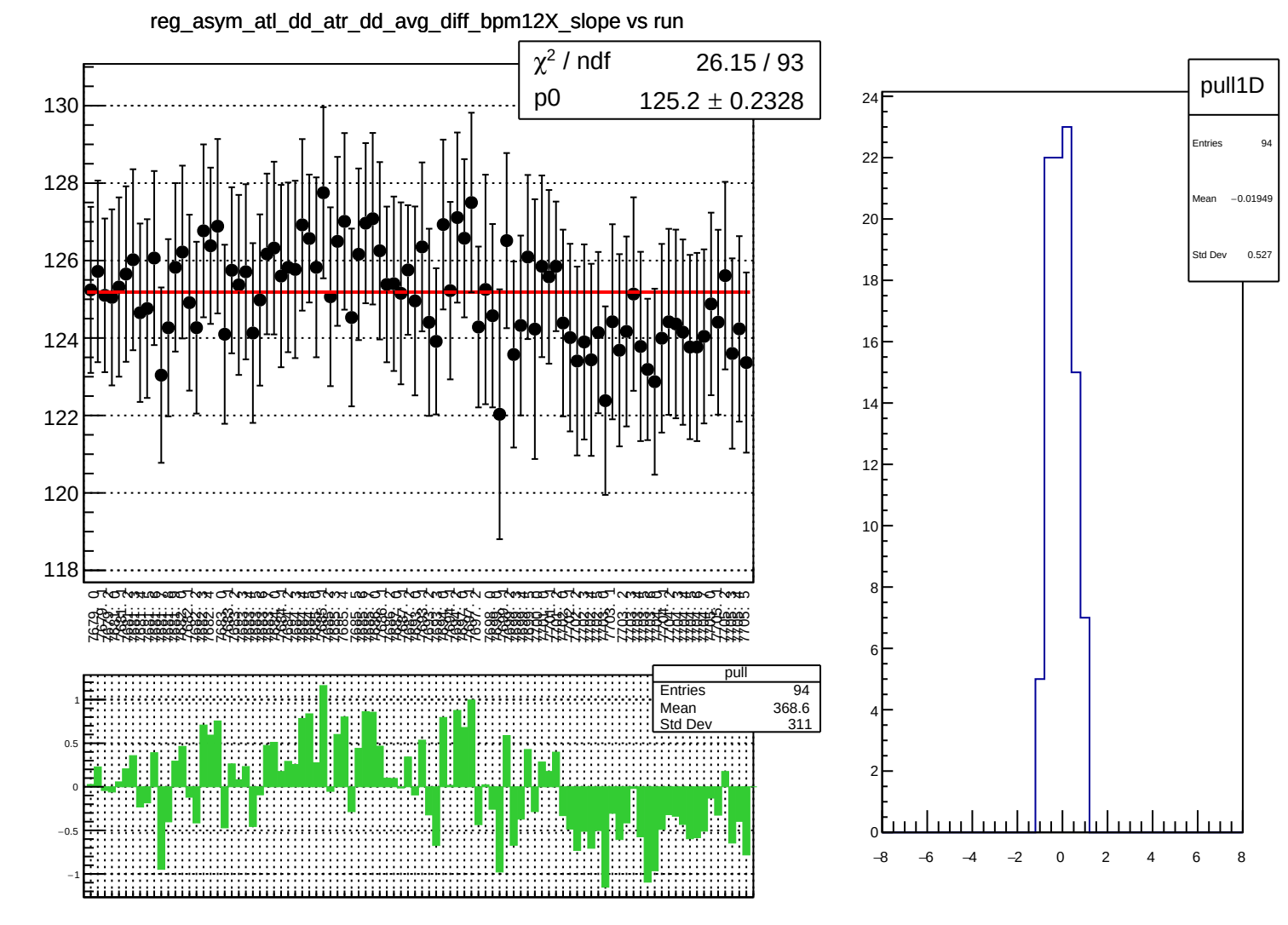

pull1D
Entries 94
Mean 0.004472
Std Dev 0.9981
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

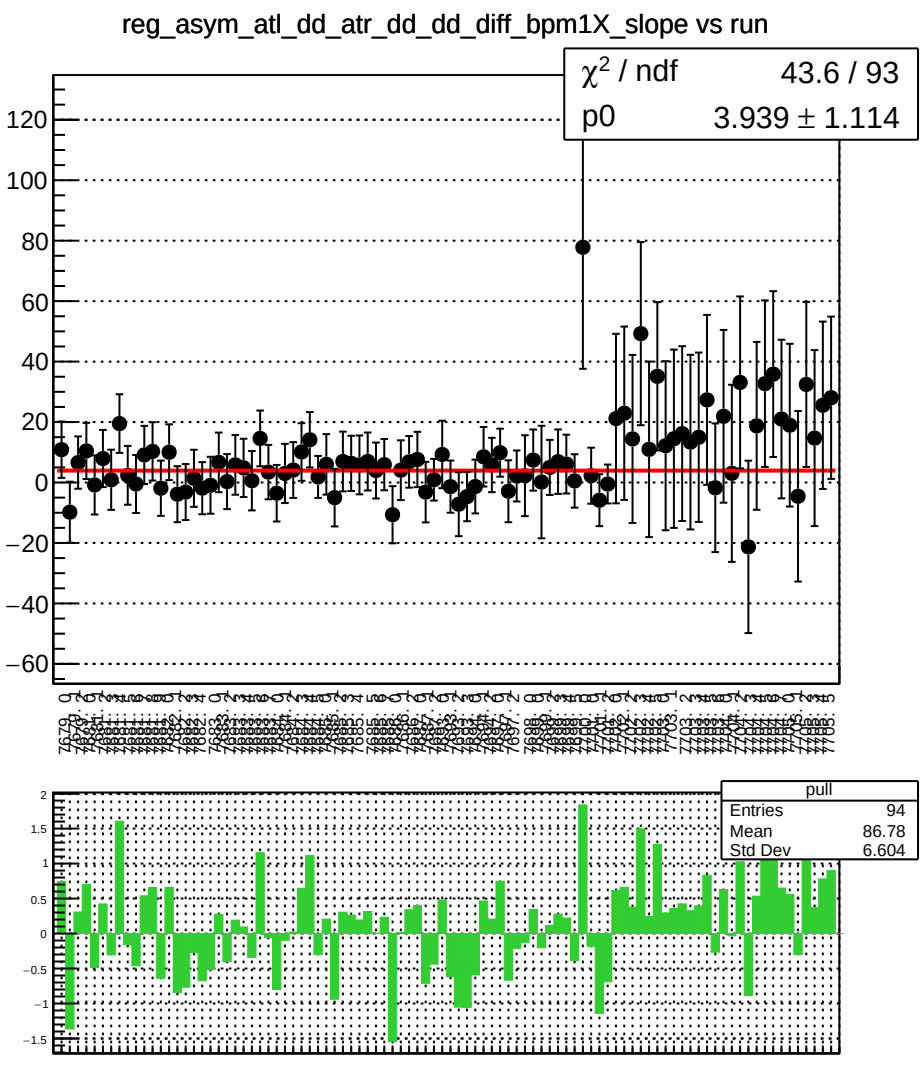

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 183.4 / 93
p0 289.8 ± 2.068
pull
Entries 94
Mean 93.2
Std Dev 26.66
pull1D
Entries 94
Mean −0.5579
Std Dev 1.28

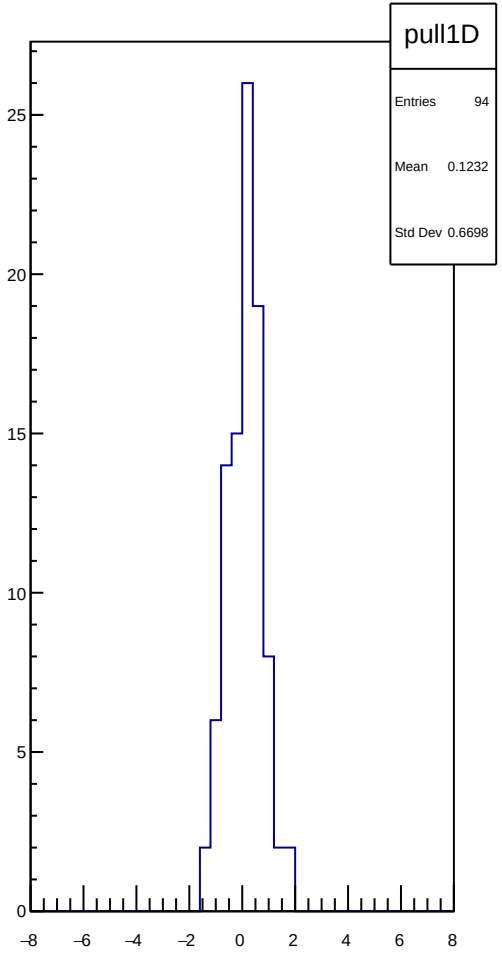

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.4 / 93
p0 −33.41 ± 2.905
pull
Entries 94
Mean 41.79
Std Dev 40.3
pull1D
Entries 94
Mean −0.1103
Std Dev 0.3894

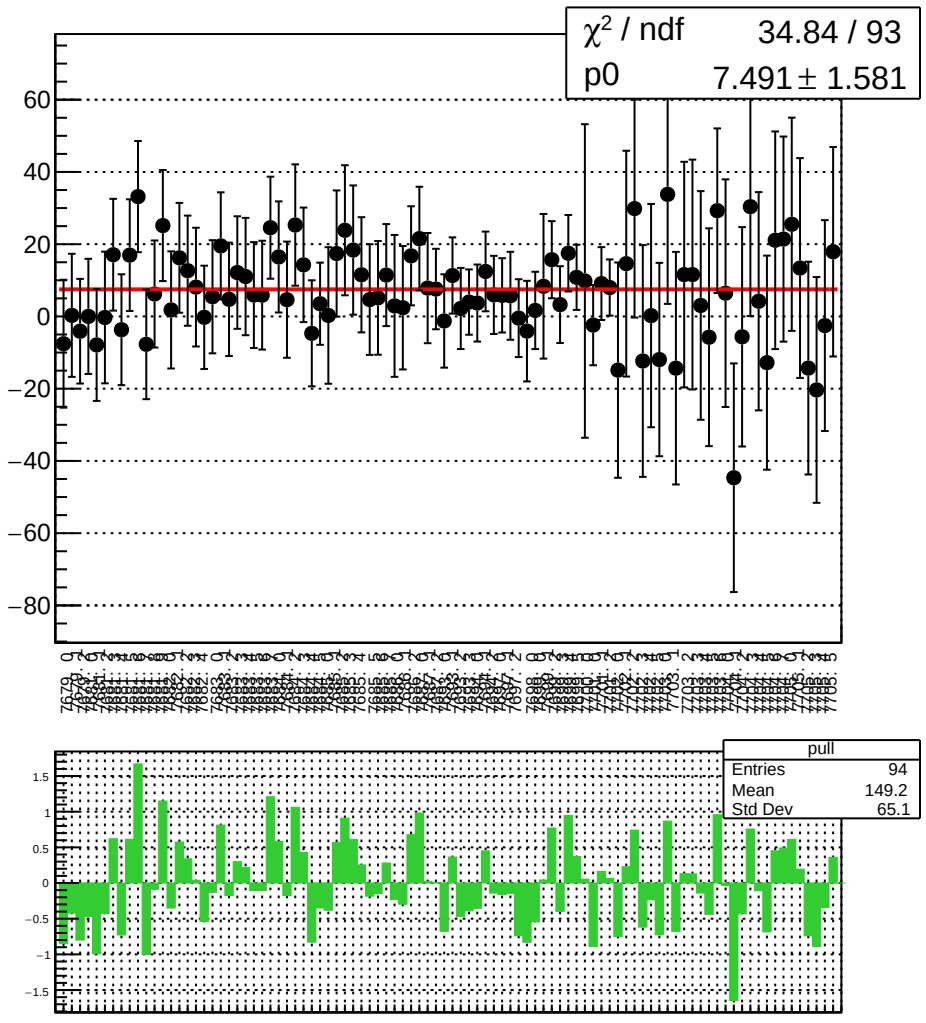

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 189.2 / 93
p0 −289 ± 1.661
pull
Entries 94
Mean 90.9
Std Dev 23.31
pull1D
Entries 94
Mean 0.5914
Std Dev 1.29

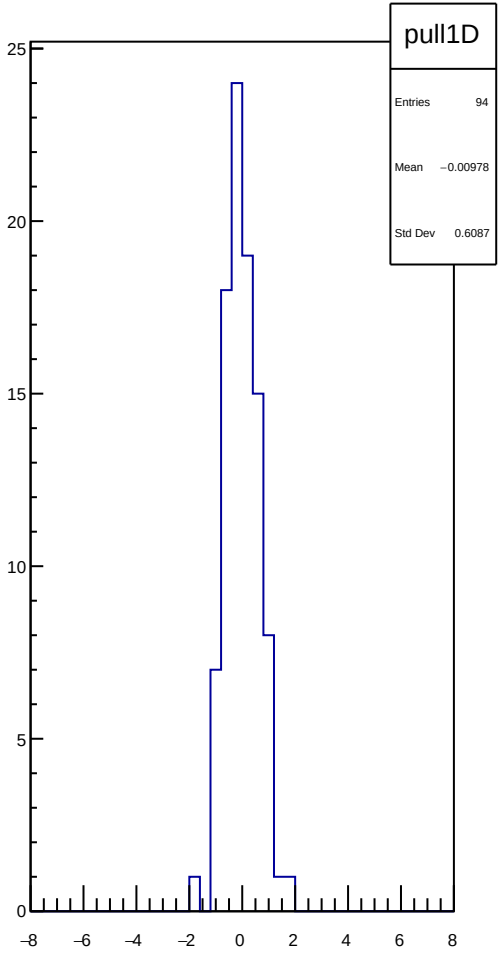

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.33 / 93
p0 −21.21 ± 4.368
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean 43.43
Std Dev 42.68
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 94
Mean 0.08786
Std Dev 0.3805
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

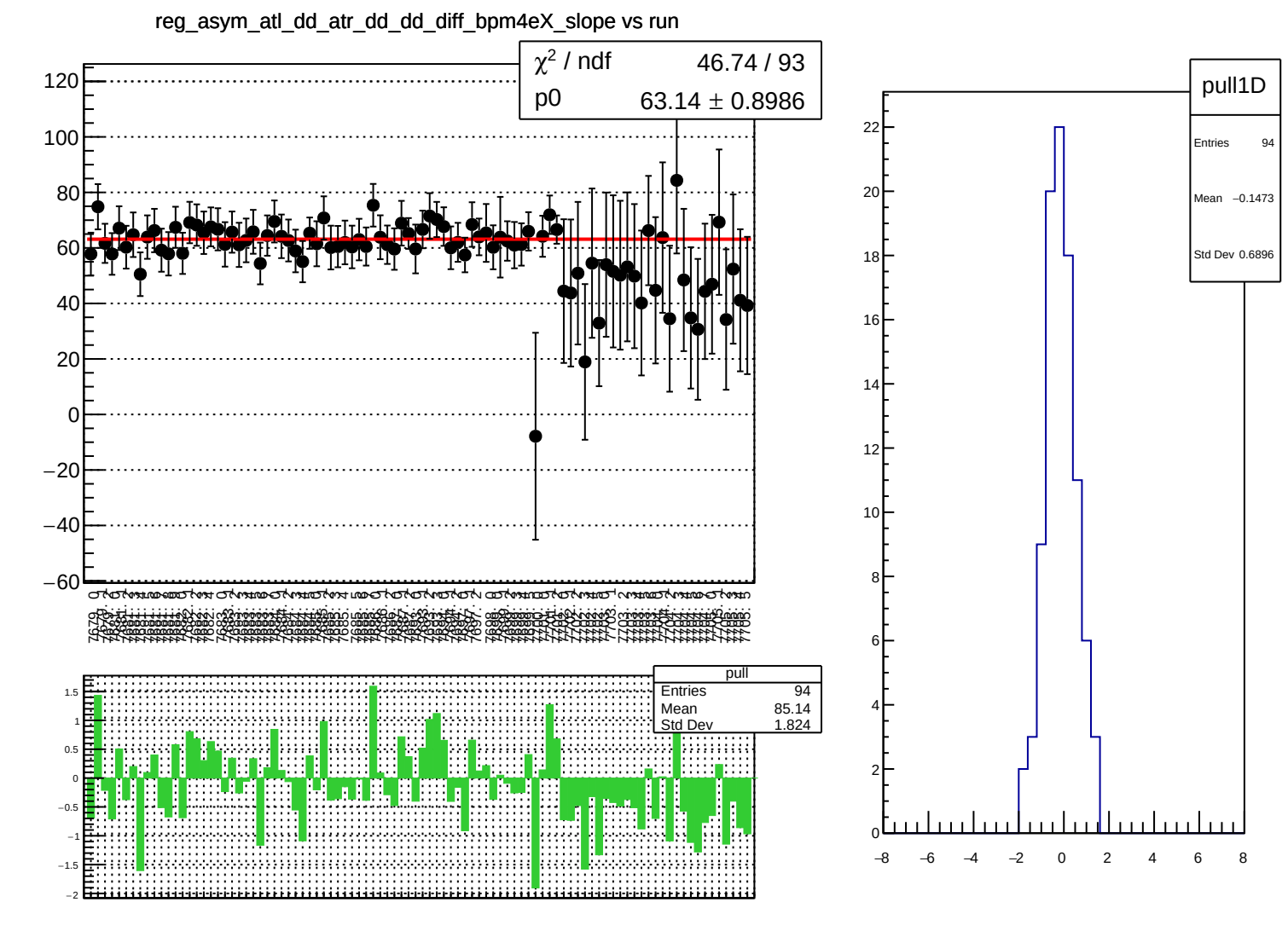

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 26.15 / 93
p0 125.2 ± 0.2328
pull
Entries 94
Mean 368.6
Std Dev 311
pull1D
Entries 94
Mean −0.01949
Std Dev 0.527

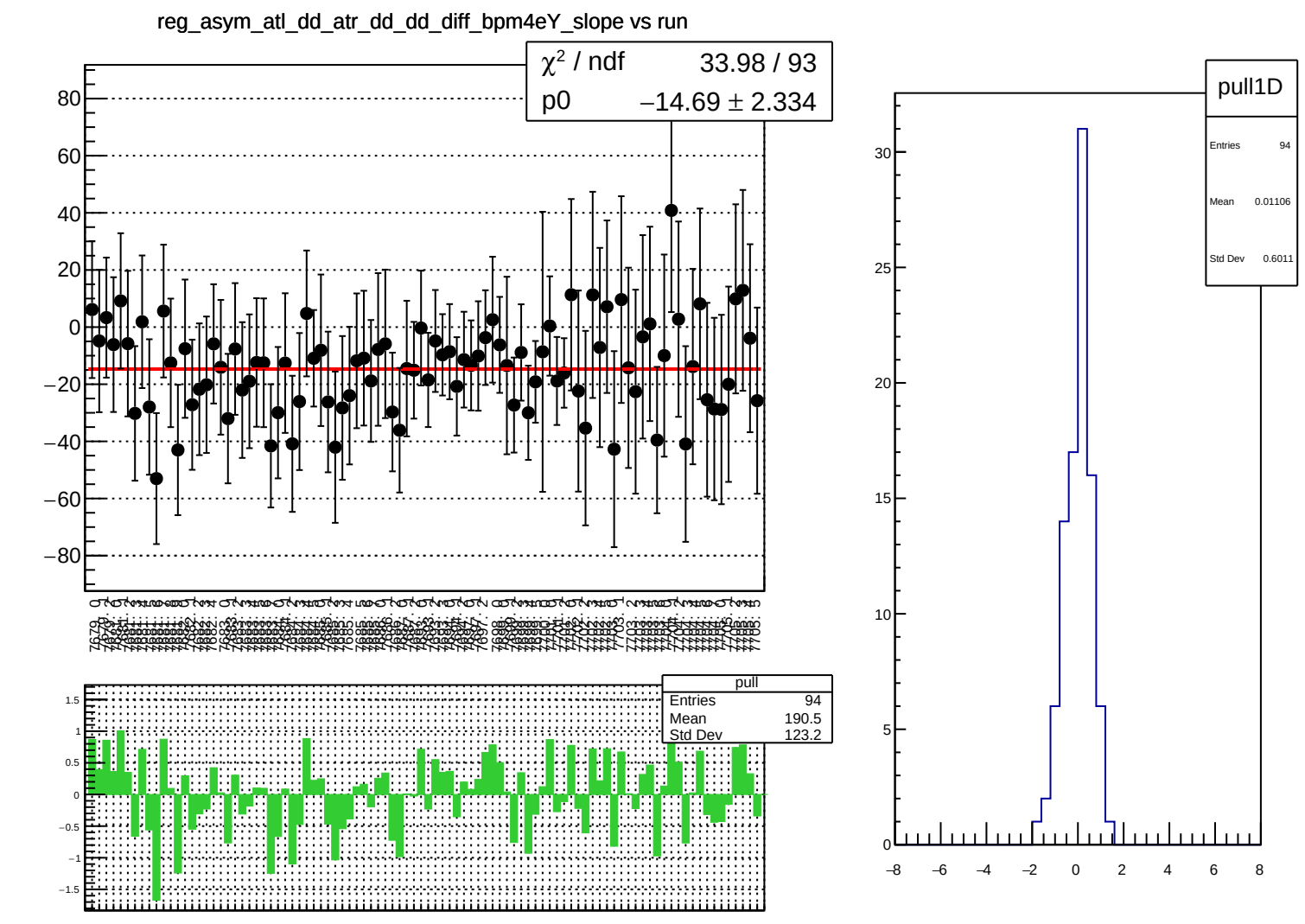

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 43.6 / 93
p0 3.939 ± 1.114
pull
Entries 94
Mean 86.78
Std Dev 6.604

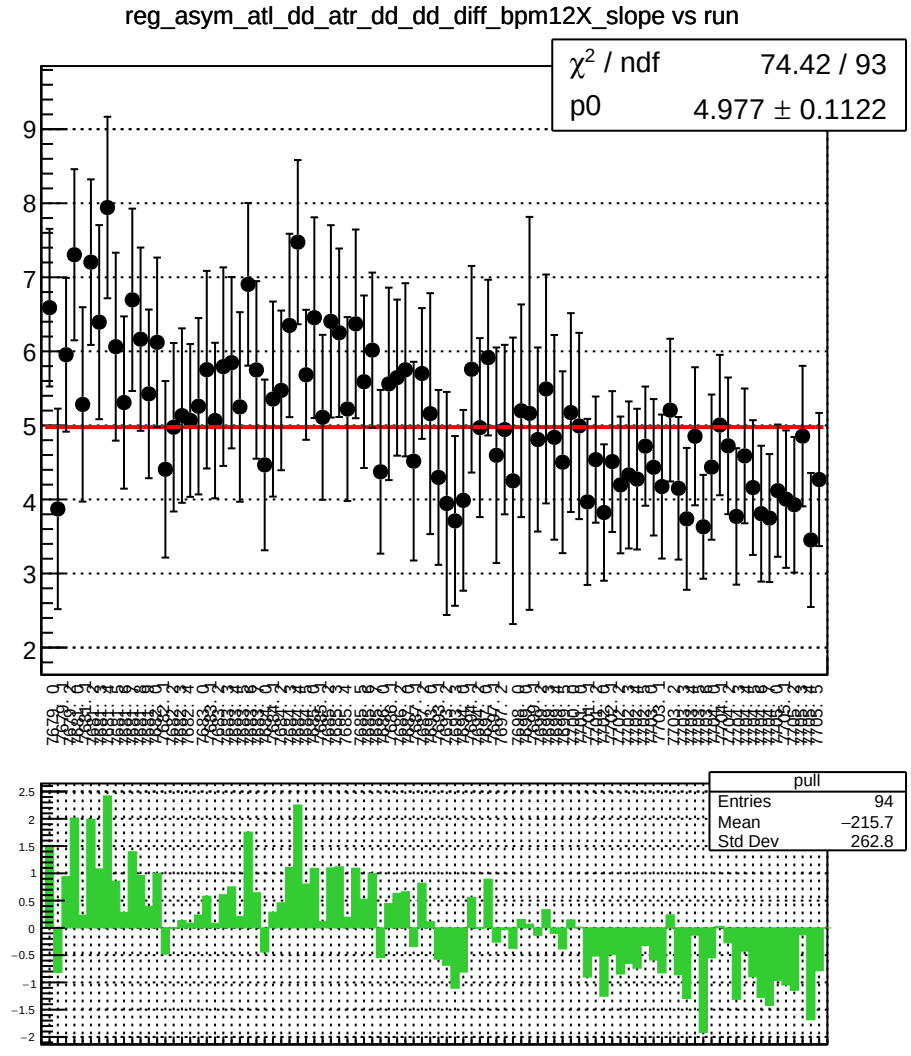

pull1D
Entries 94
Mean 0.1232
Std Dev 0.6698

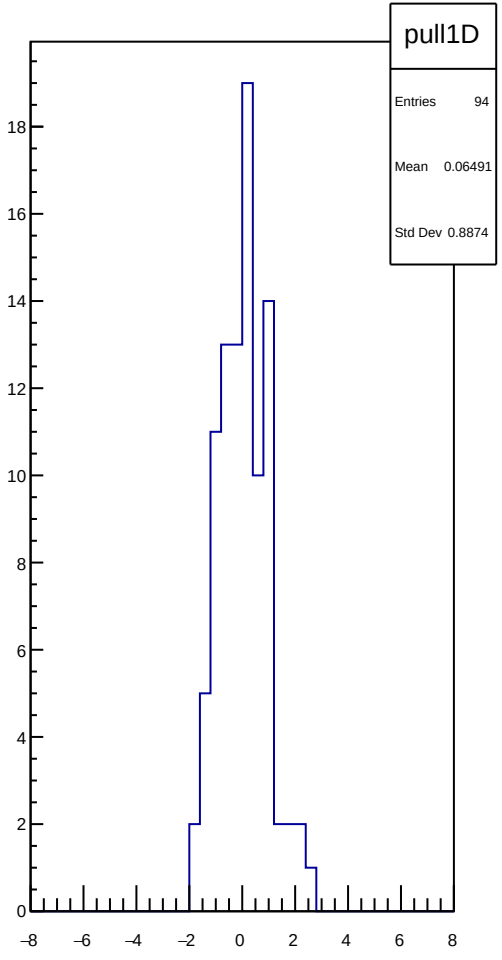

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.84 / 93
p0 7.491 ± 1.581
pull
Entries 94
Mean 149.2
Std Dev 65.1

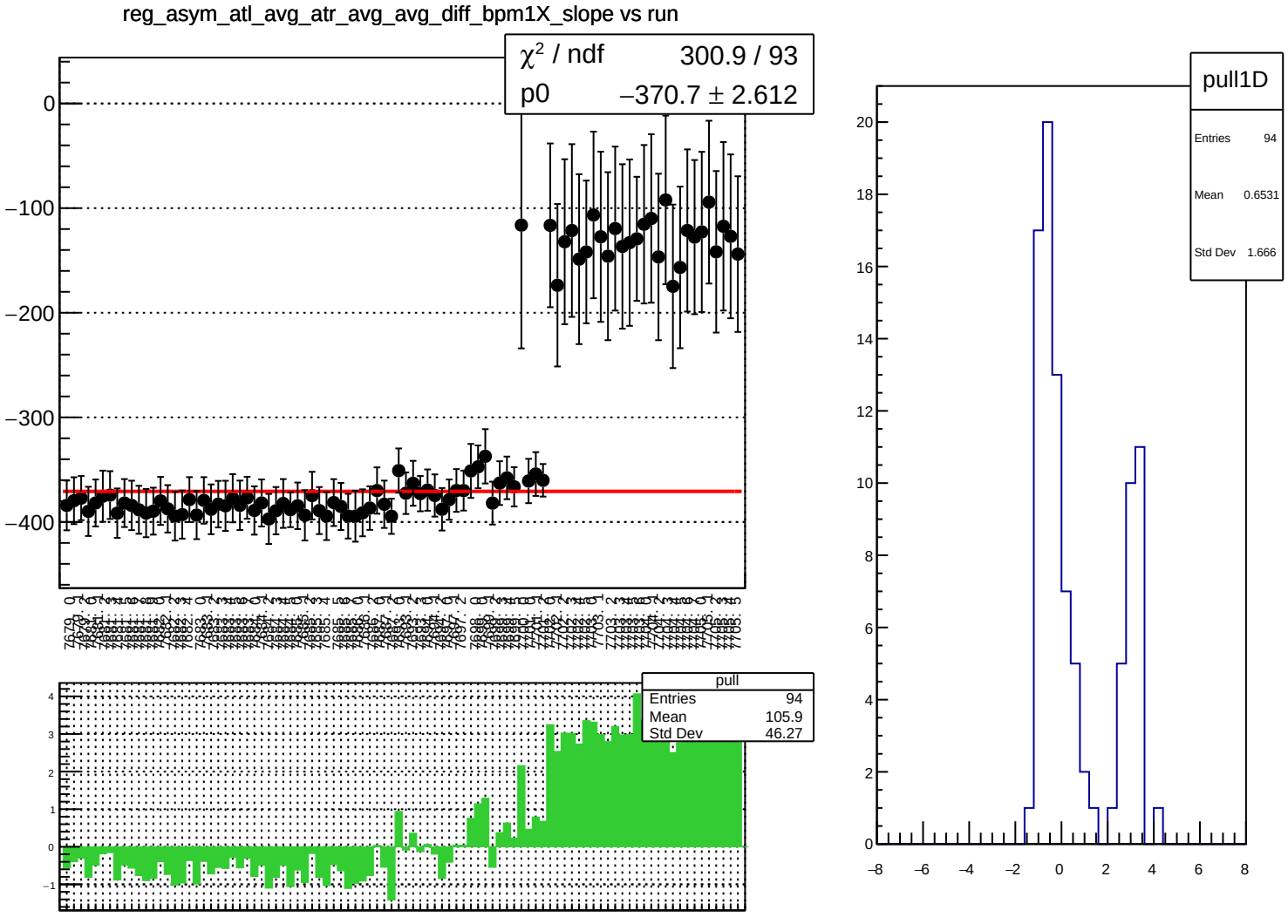

pull1D
Entries 94
Mean −0.00978
Std Dev 0.6087

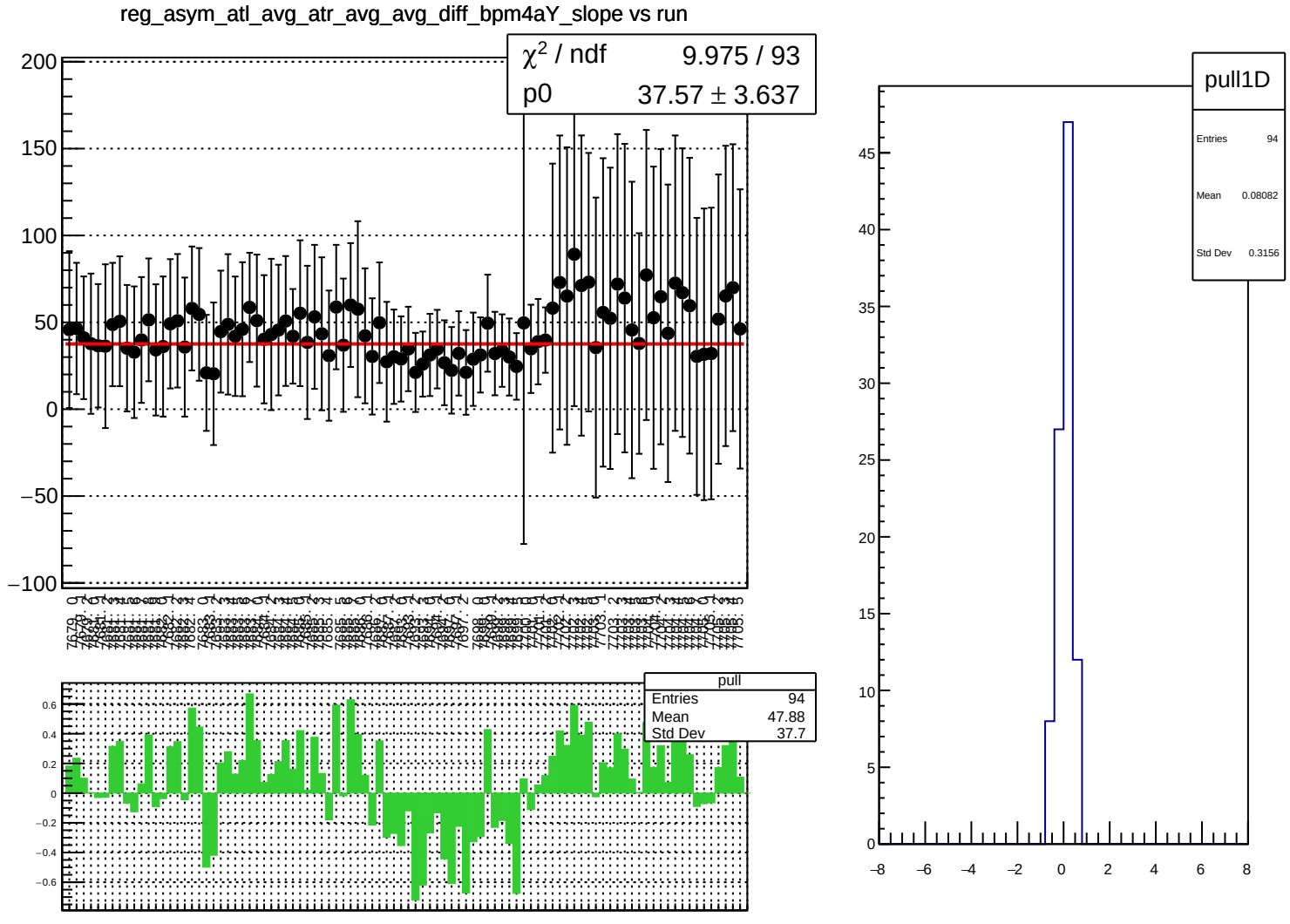

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.74 / 93
p0 63.14 ± 0.8986
pull
Entries 94
Mean 85.14
Std Dev 1.824
pull1D
Entries 94
Mean −0.1473
Std Dev 0.6896

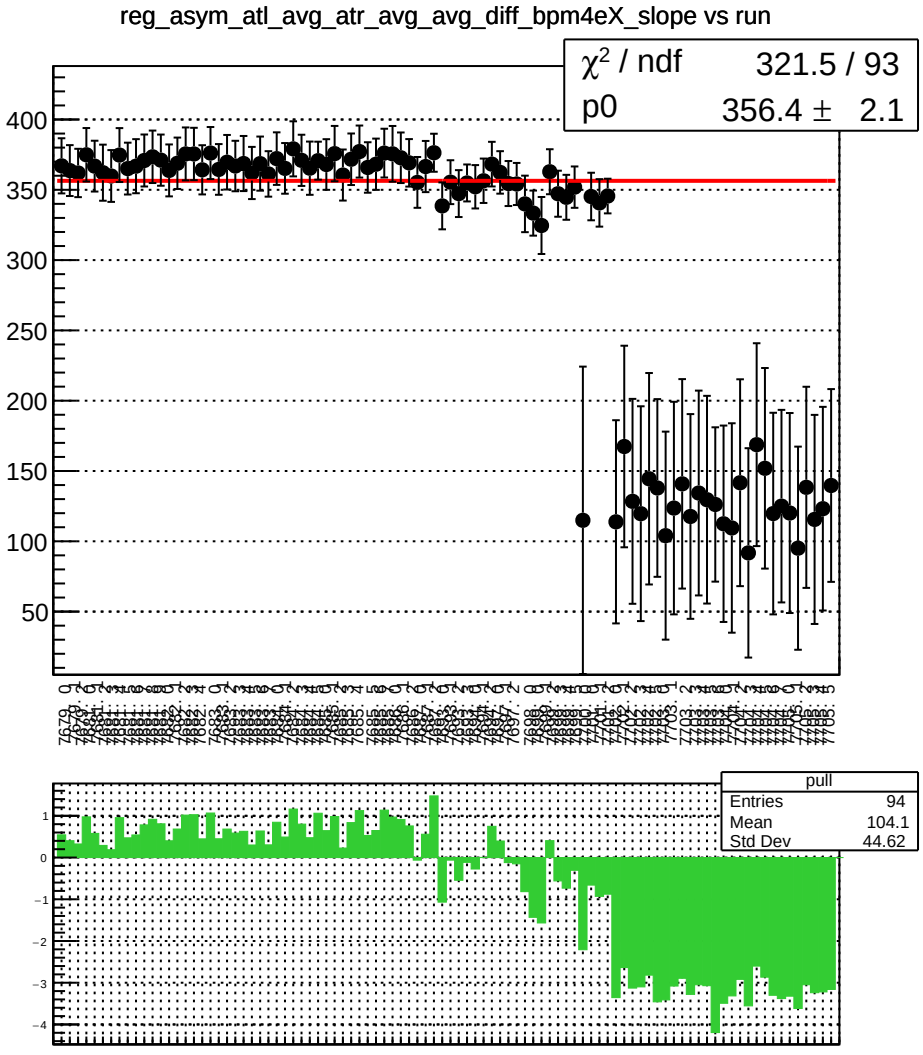

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.98 / 93
p0 −14.69 ± 2.334
pull
Entries 94
Mean 190.5
Std Dev 123.2
pull1D
Entries 94
Mean 0.01106
Std Dev 0.6011

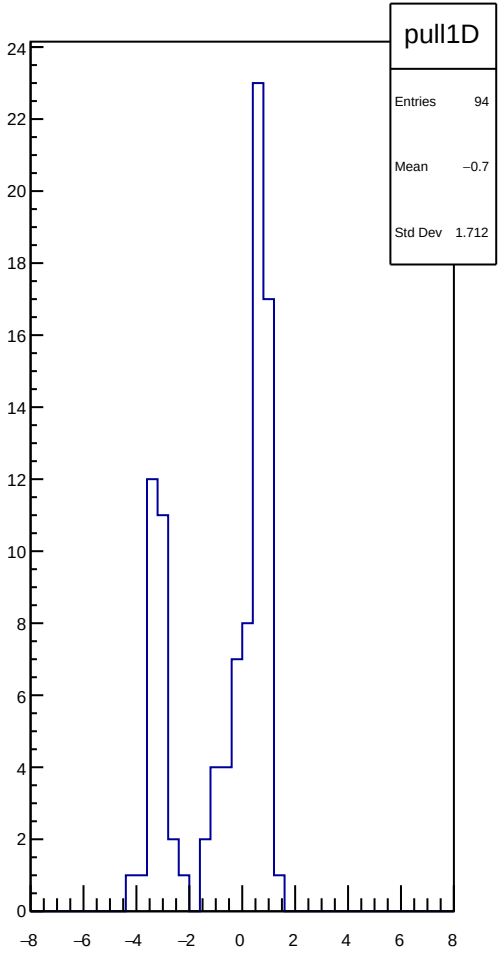

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 74.42 / 93
p0 4.977 ± 0.1122
pull
Entries 94
Mean −215.7
Std Dev 262.8

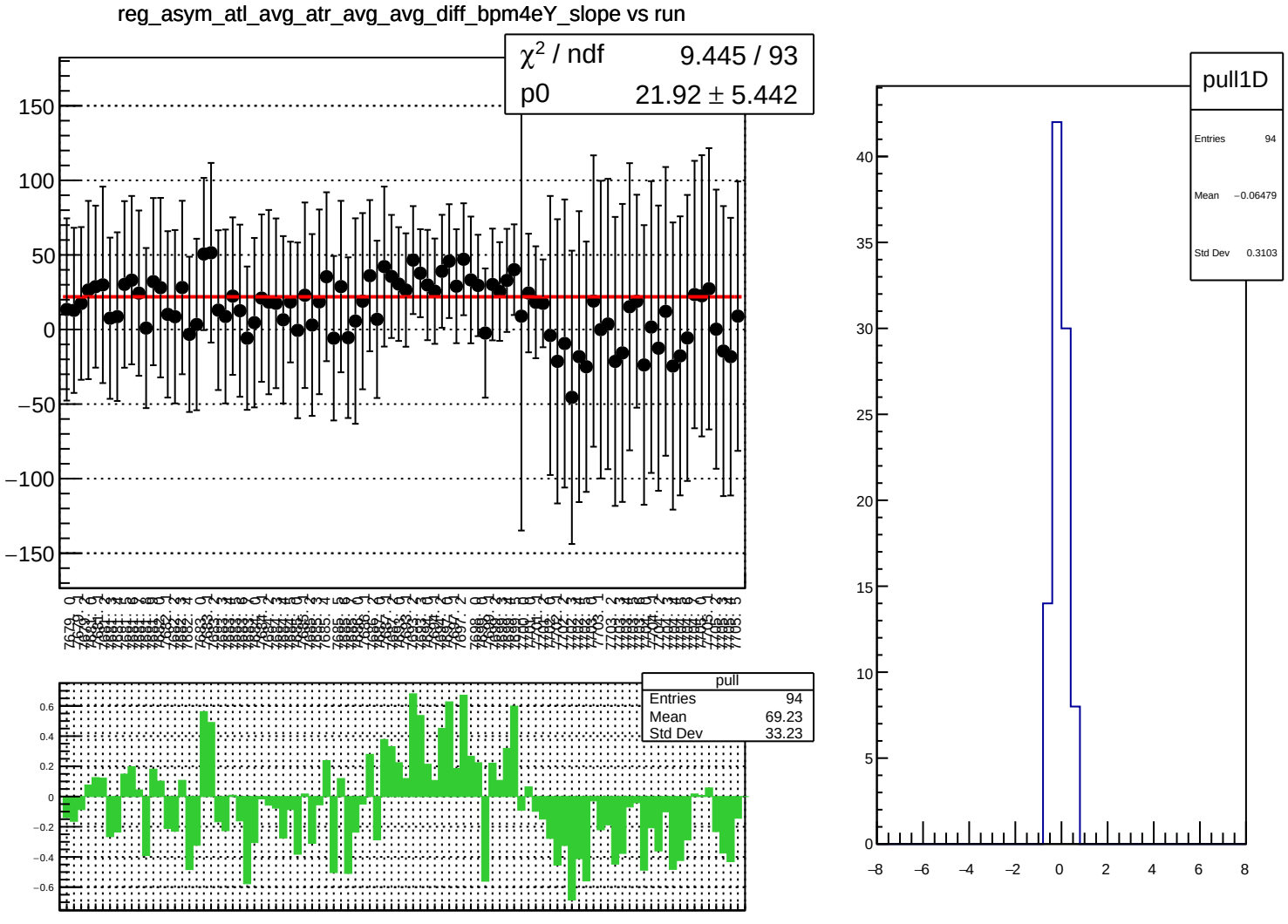

pull1D
Entries 94
Mean 0.06491
Std Dev 0.8874

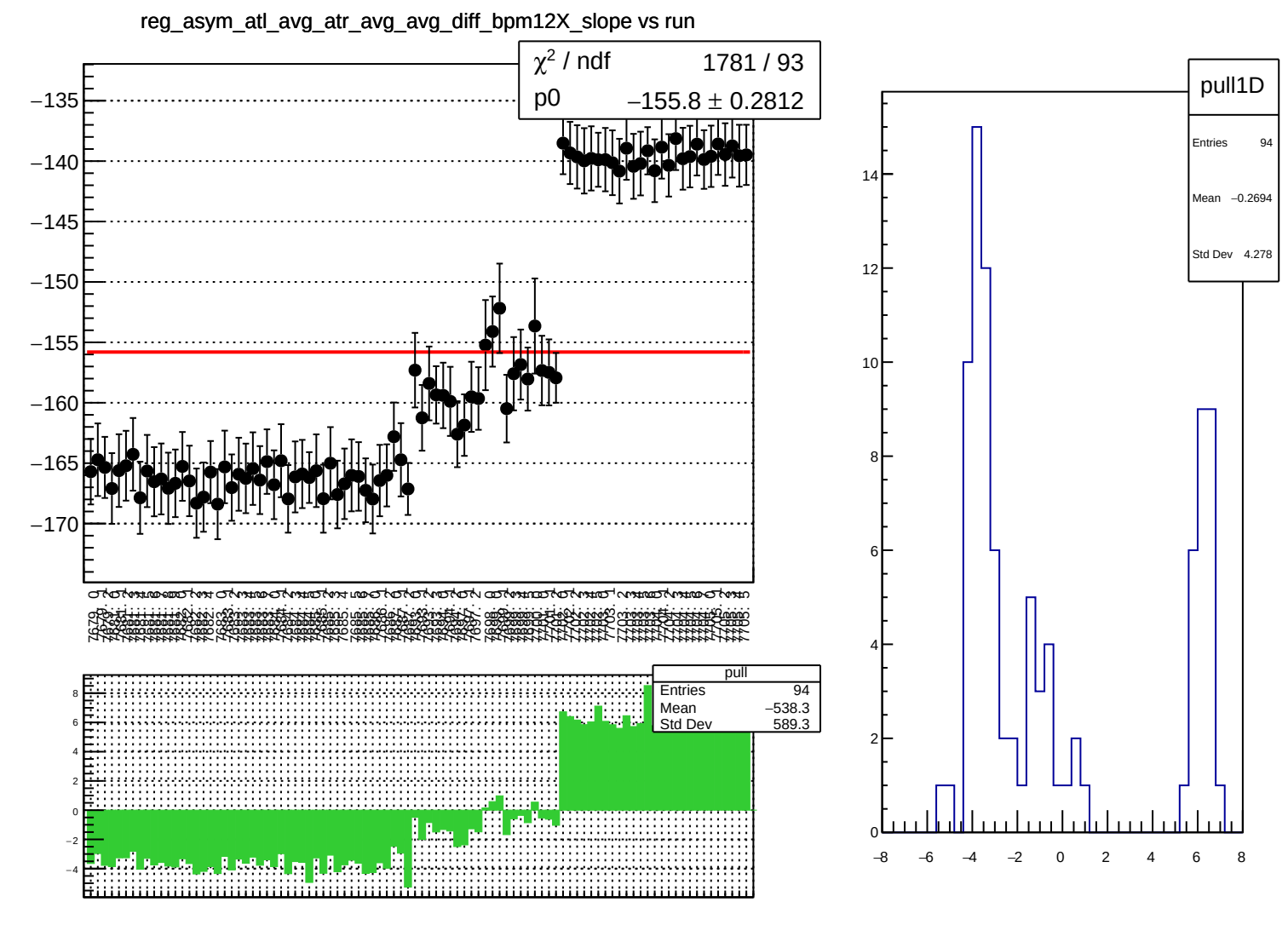

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 300.9 / 93
p0 −370.7 ± 2.612
pull
Entries 94
Mean 105.9
Std Dev 46.27
pull1D
Entries 94
Mean 0.6531
Std Dev 1.666

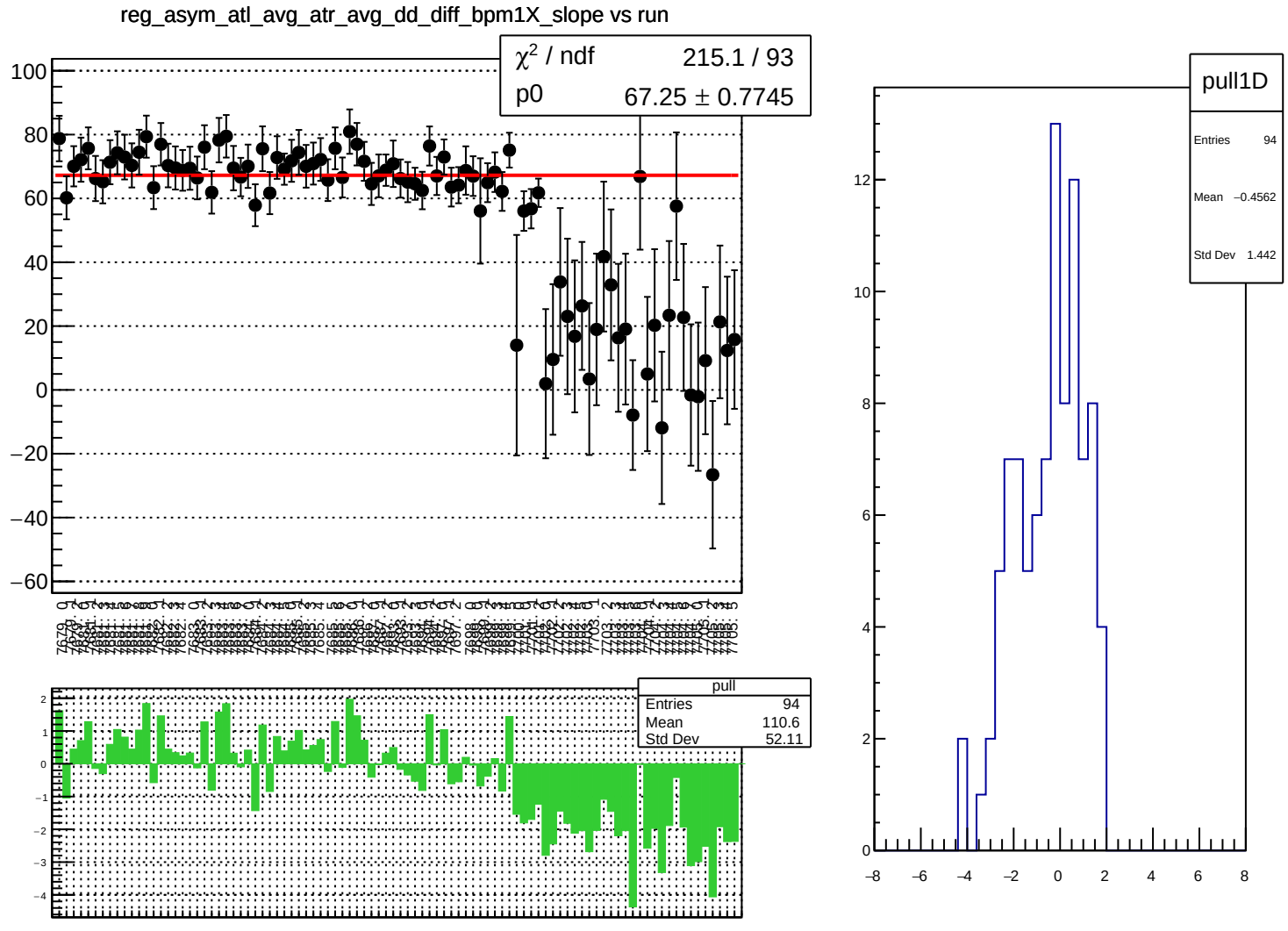

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.975 / 93
p0 37.57 ± 3.637
pull
Entries 94
Mean 47.88
Std Dev 37.7
pull1D
Entries 94
Mean 0.08082
Std Dev 0.3156

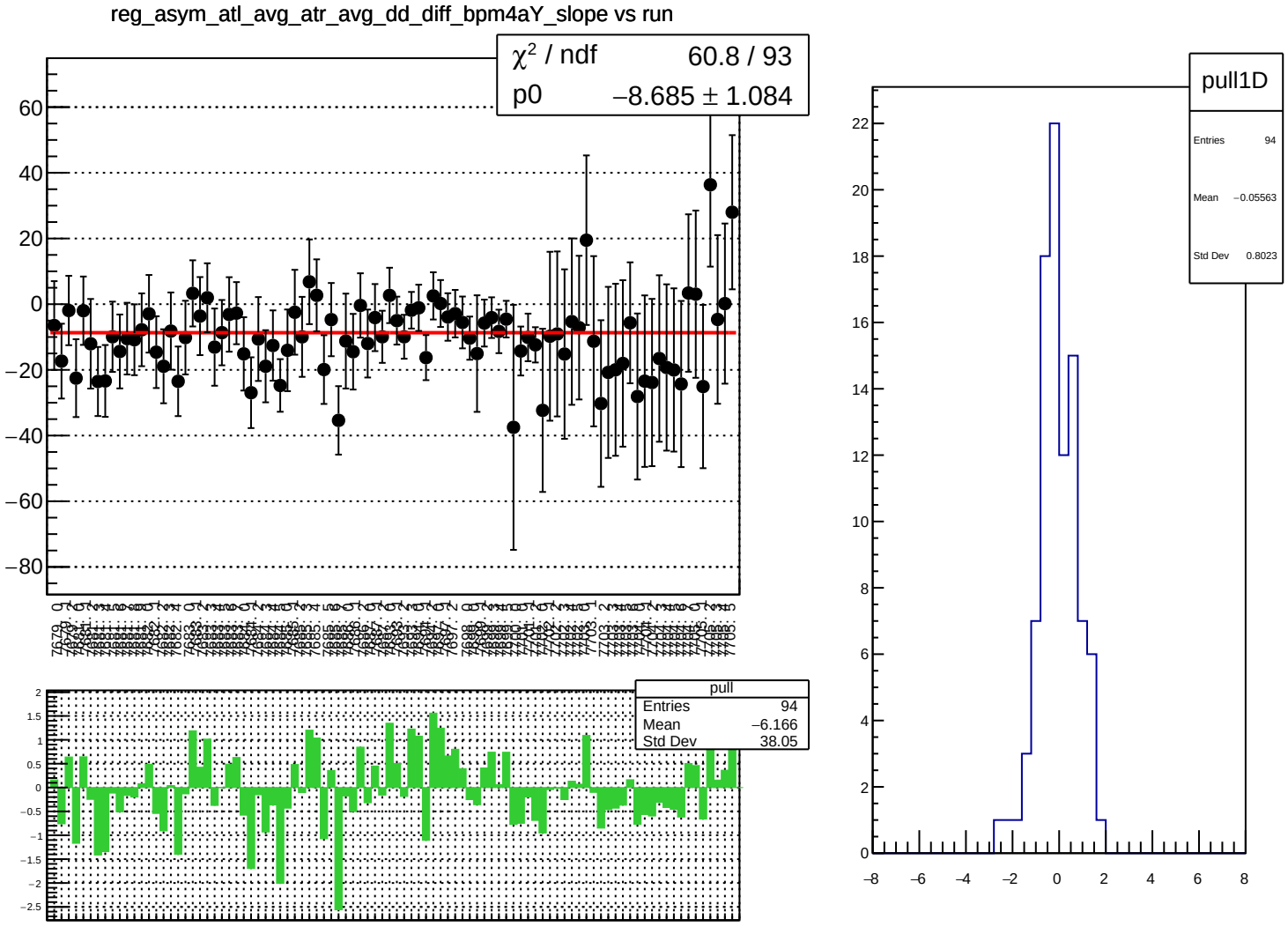

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 321.5 / 93
p0 356.4 ± 2.1
pull
Entries 94
Mean 104.1
Std Dev 44.62

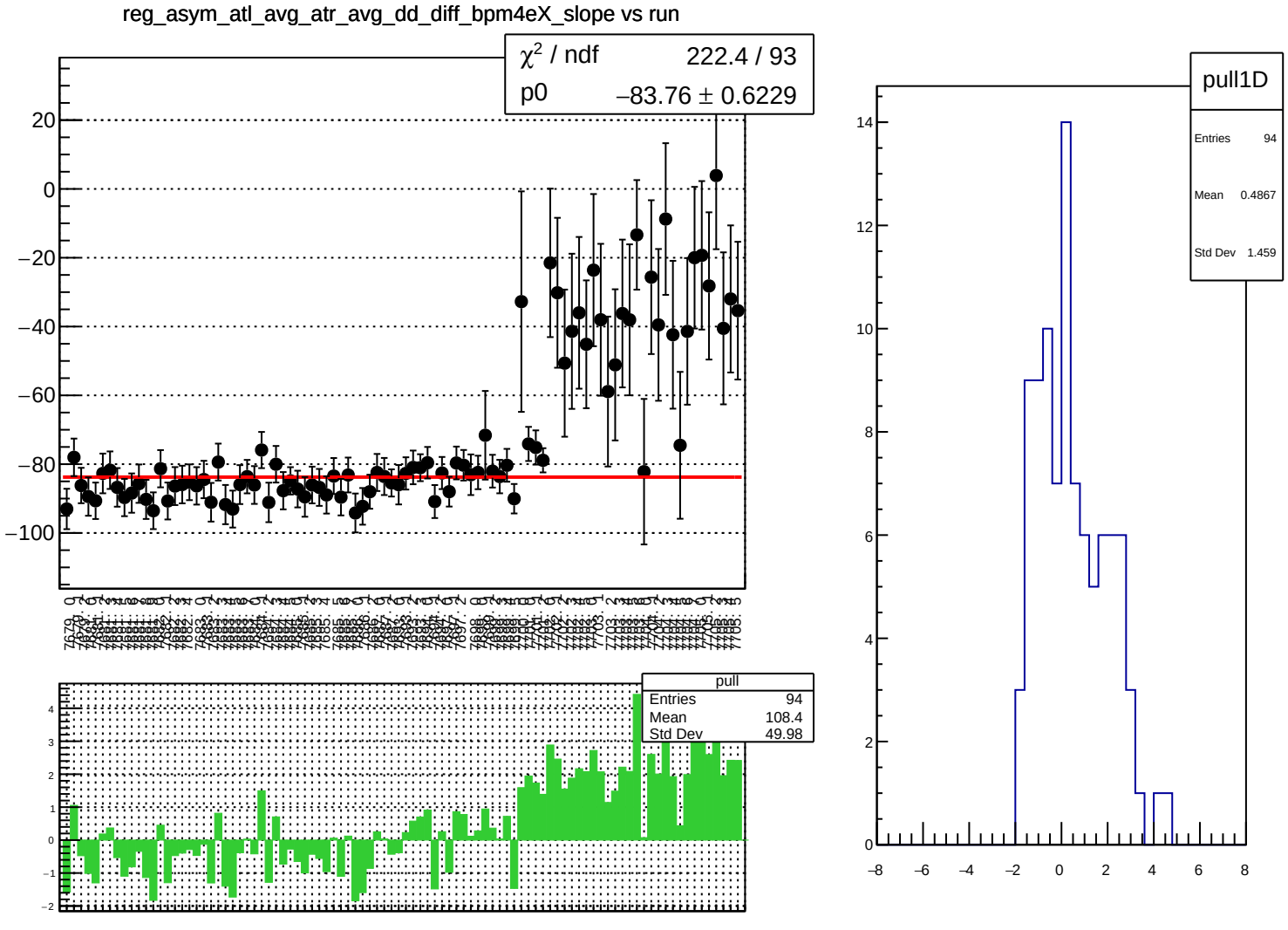

pull1D
Entries 94
Mean −0.7
Std Dev 1.712

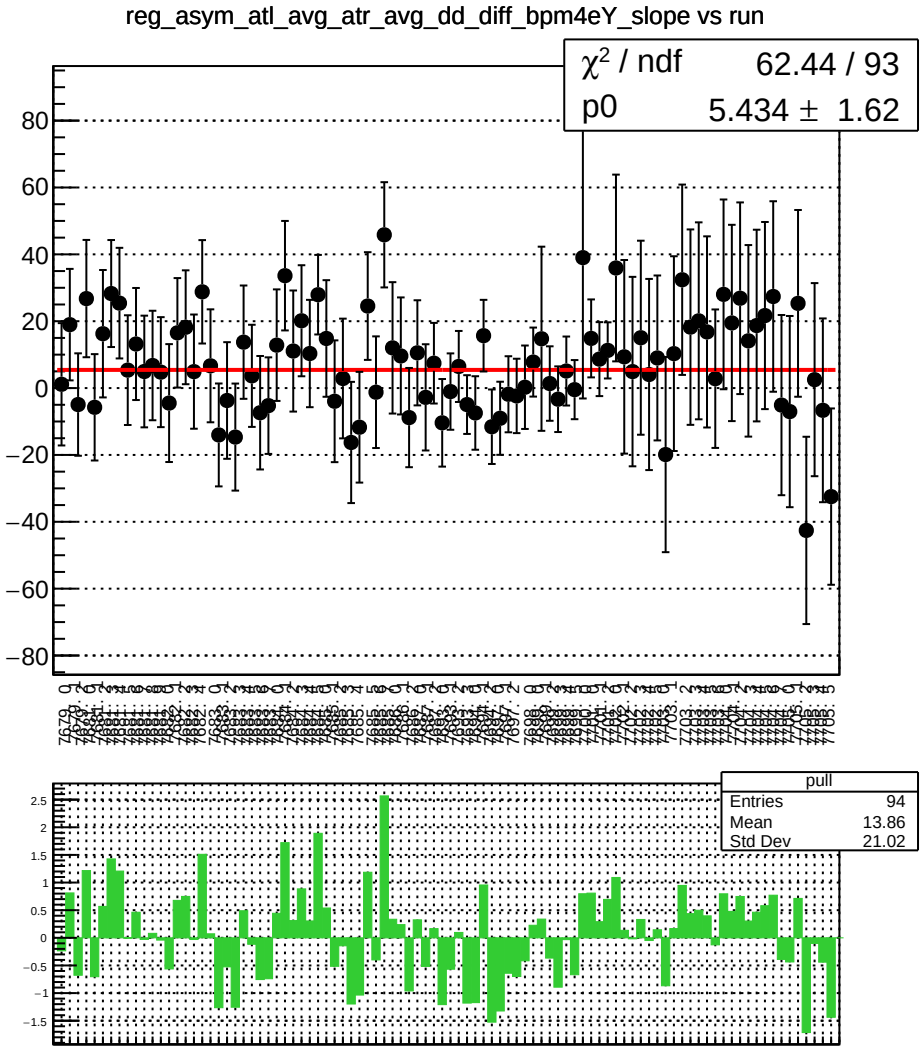

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.445 / 93
p0 21.92 ± 5.442
150
100
50
0
−50
−100
−150
pull
Entries 94
Mean 69.23
Std Dev 33.23
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 94
Mean −0.06479
Std Dev 0.3103
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

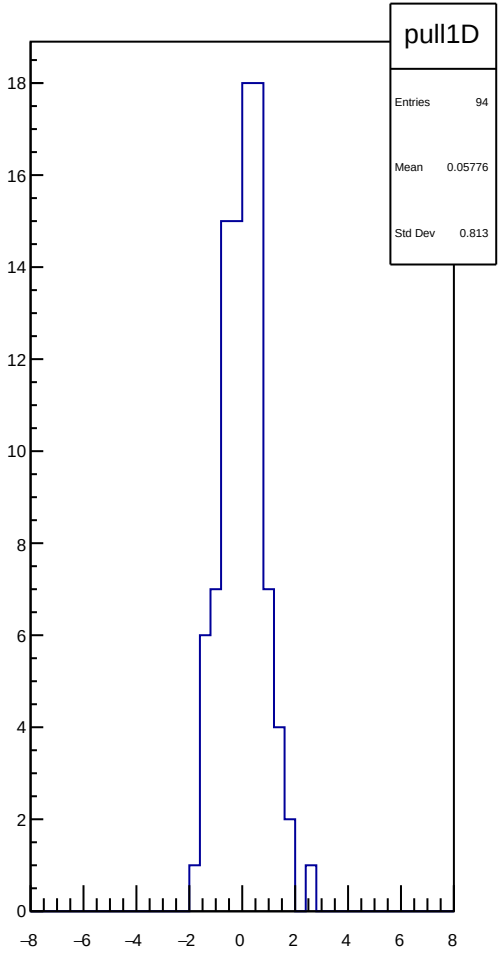

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 1781 / 93
p0 −155.8 ± 0.2812
pull
Entries 94
Mean −538.3
Std Dev 589.3
pull1D
Entries 94
Mean −0.2694
Std Dev 4.278

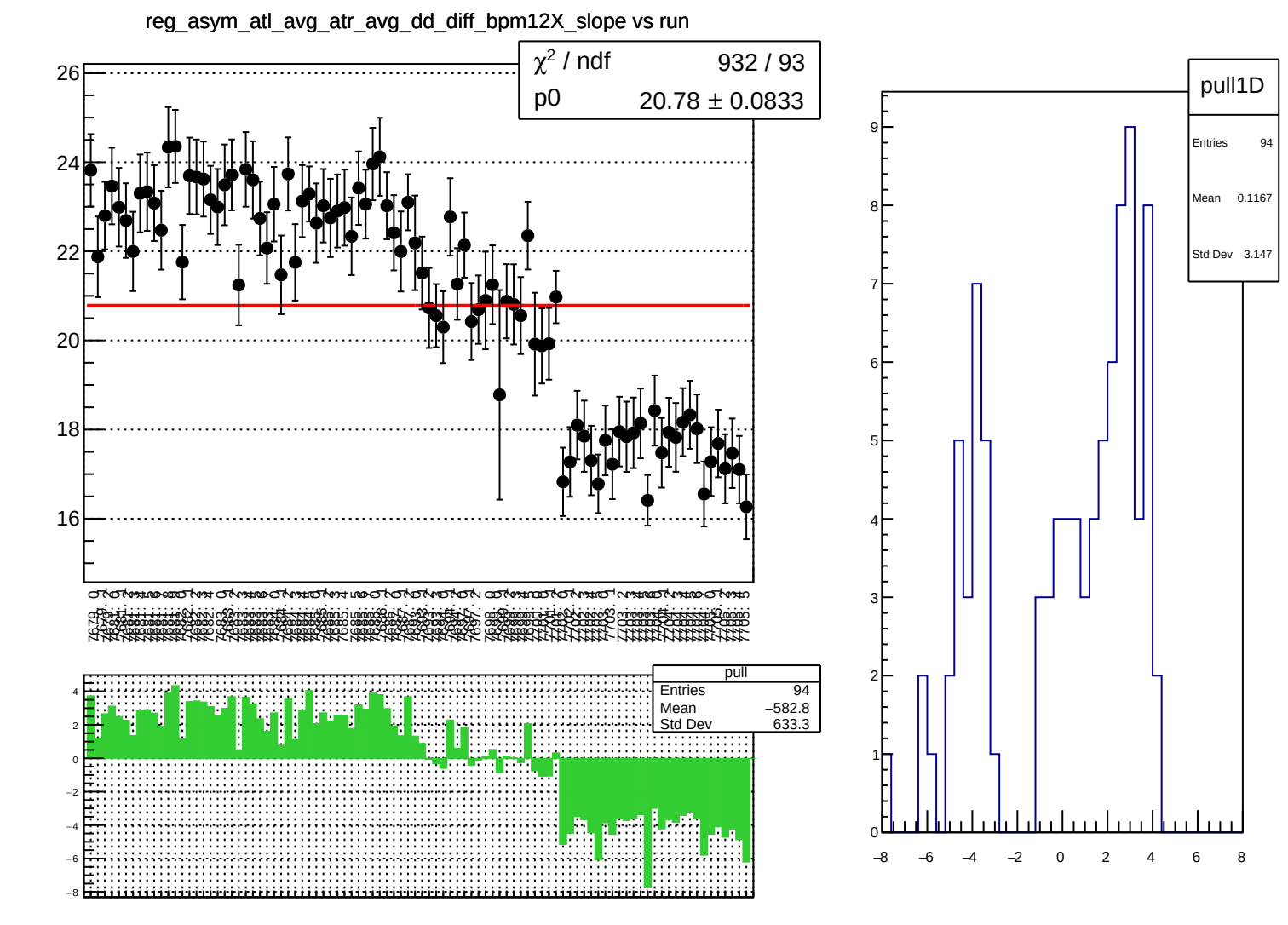

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 215.1 / 93
p0 67.25 ± 0.7745
pull
Entries 94
Mean 110.6
Std Dev 52.11
pull1D
Entries 94
Mean −0.4562
Std Dev 1.442

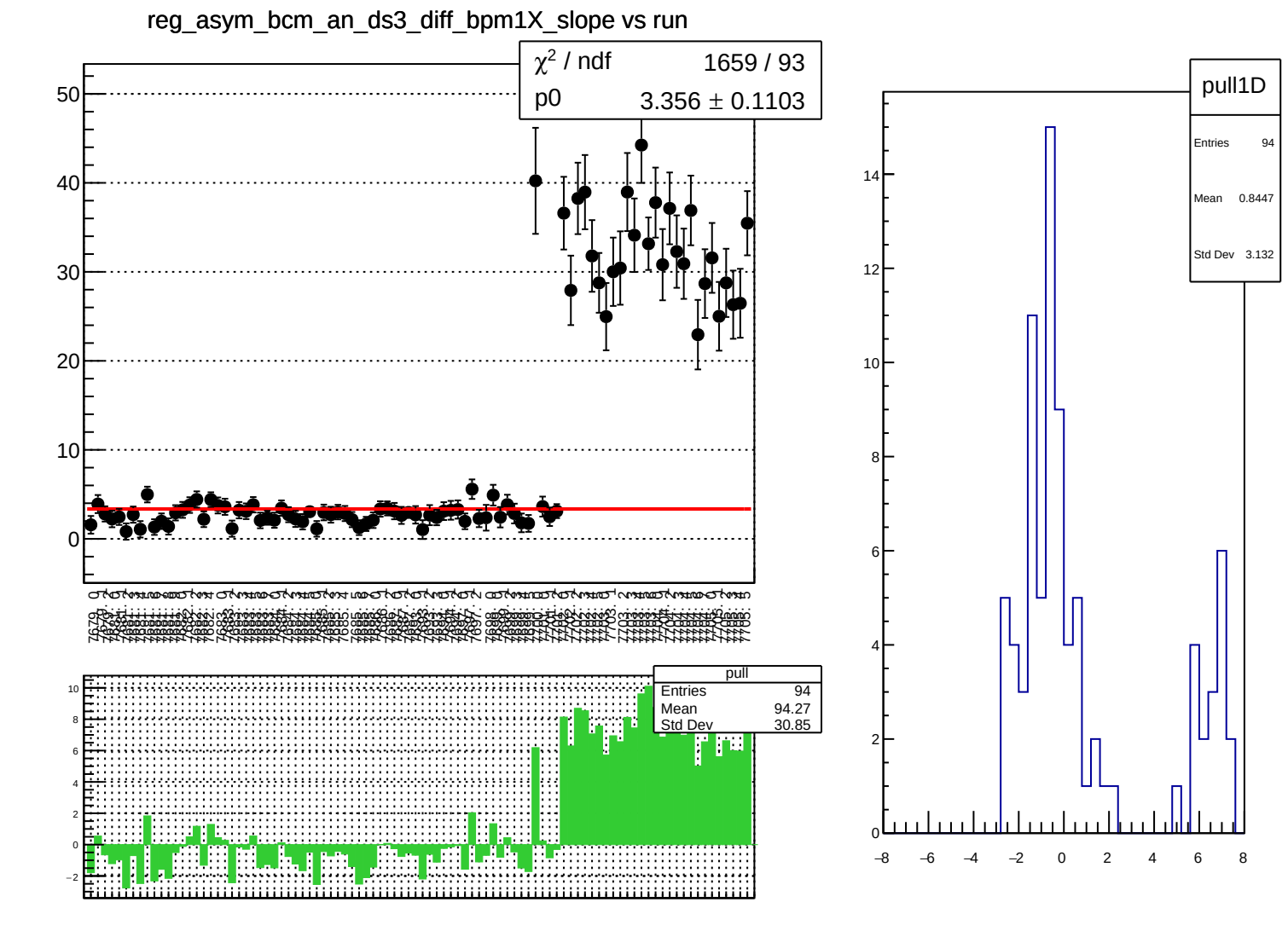

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.8 / 93
p0 −8.685 ± 1.084
pull
Entries 94
Mean −6.166
Std Dev 38.05
pull1D
Entries 94
Mean −0.05563
Std Dev 0.8023

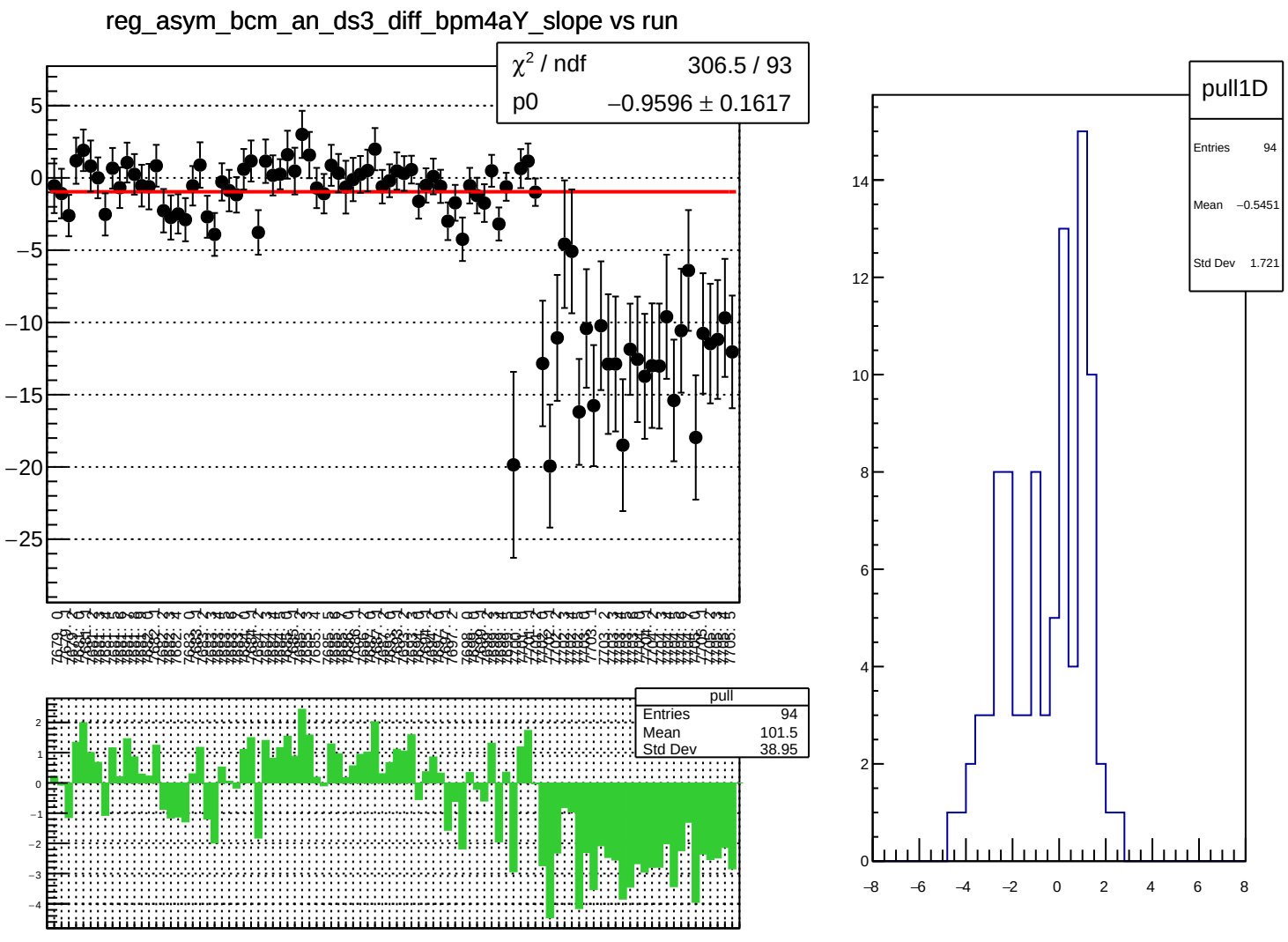

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 222.4 / 93
p0 −83.76 ± 0.6229
pull
Entries 94
Mean 108.4
Std Dev 49.98
pull1D
Entries 94
Mean 0.4867
Std Dev 1.459

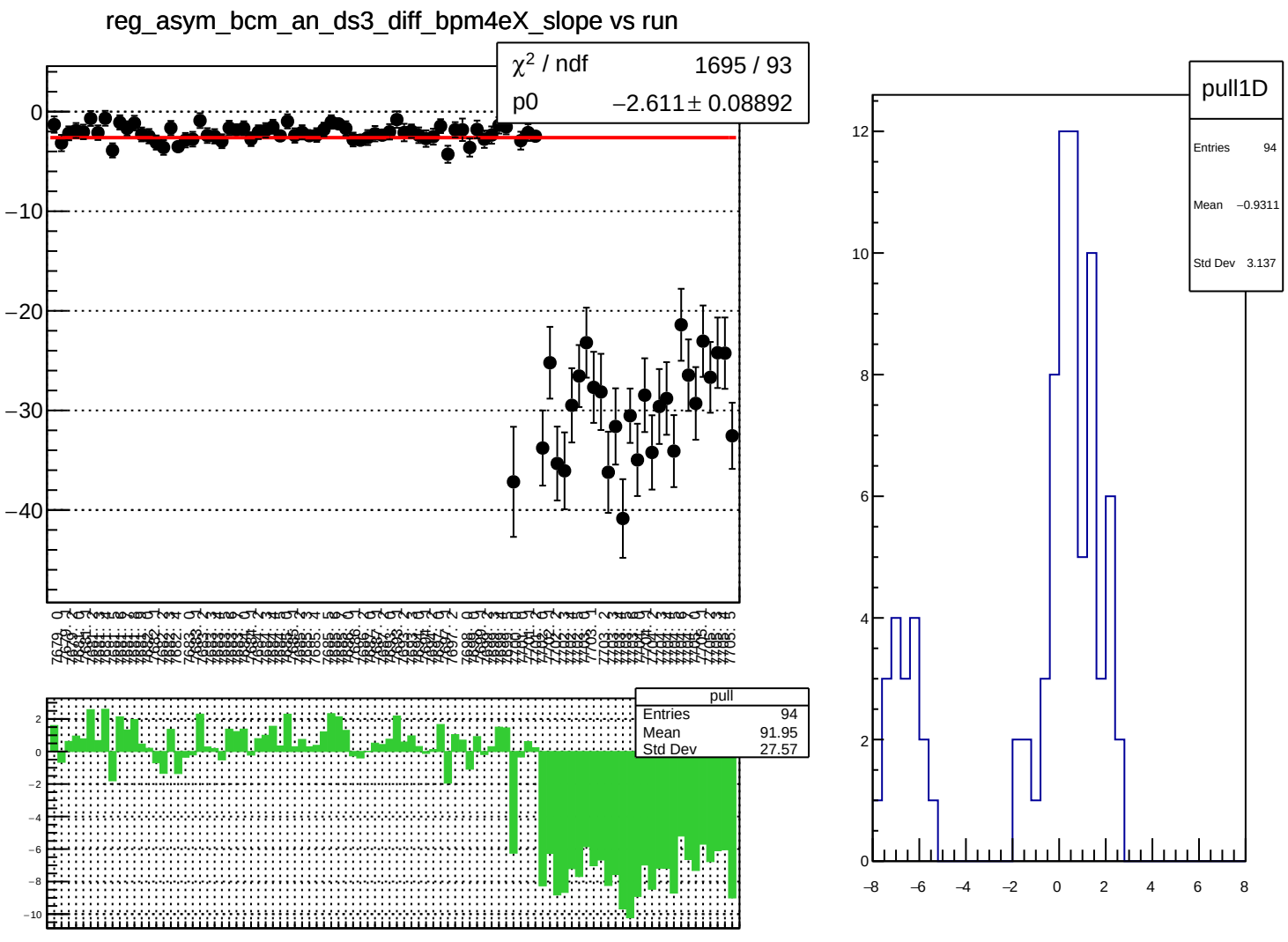

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.44 / 93
p0 5.434 ± 1.62
pull
Entries 94
Mean 13.86
Std Dev 21.02

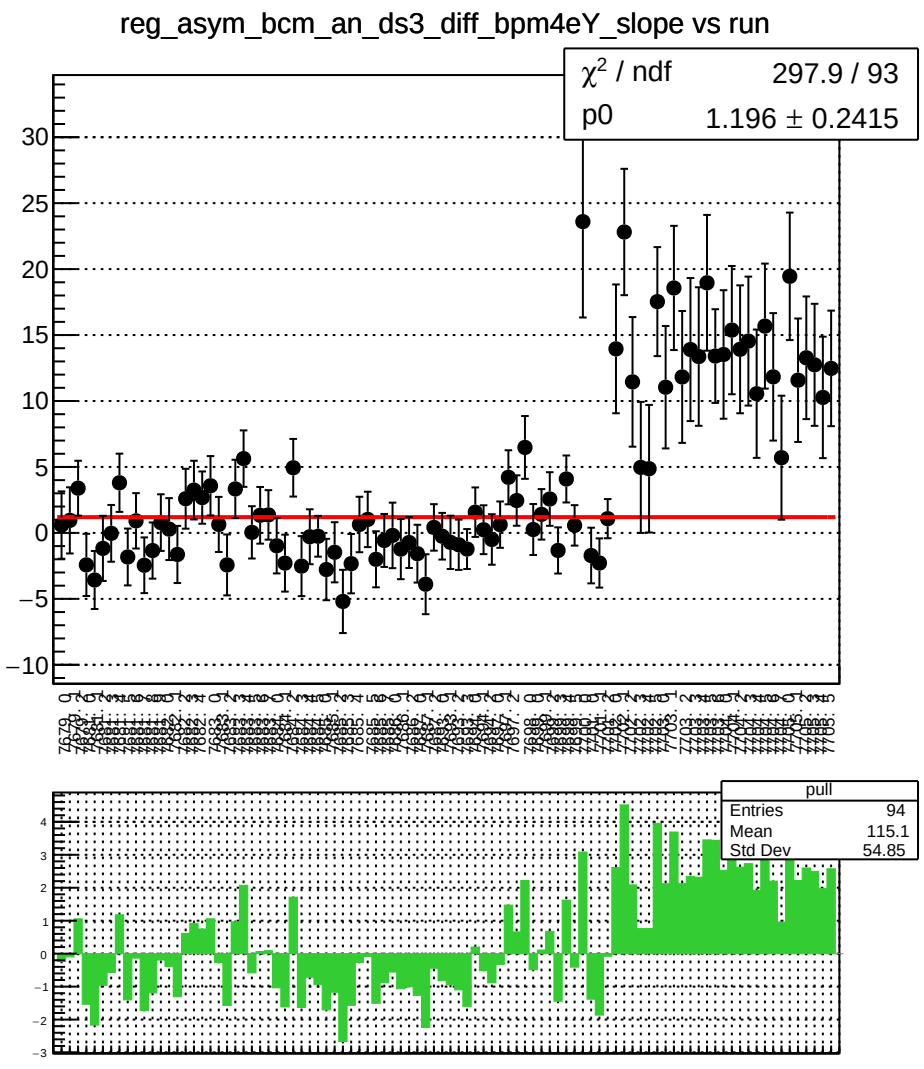

pull1D
Entries 94
Mean 0.05776
Std Dev 0.813

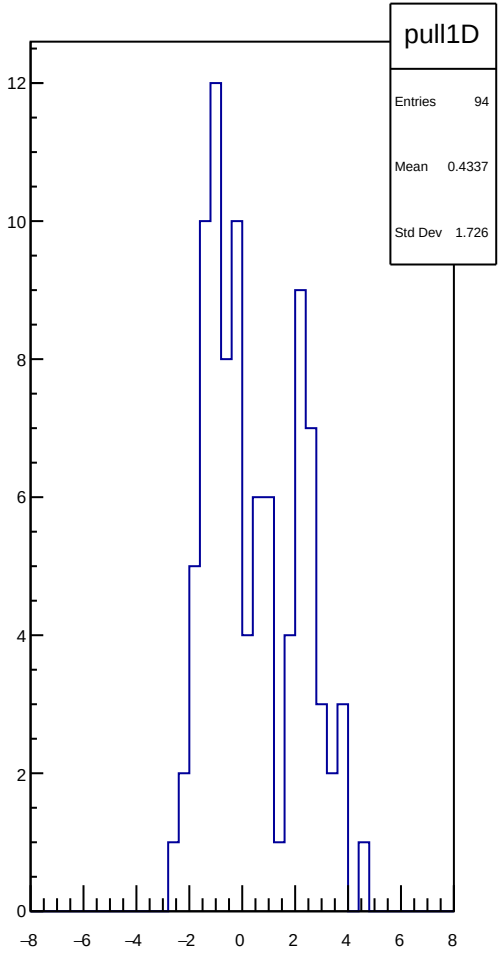

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 932 / 93
p0 20.78 ± 0.0833
pull
Entries 94
Mean −582.8
Std Dev 633.3
pull1D
Entries 94
Mean 0.1167
Std Dev 3.147

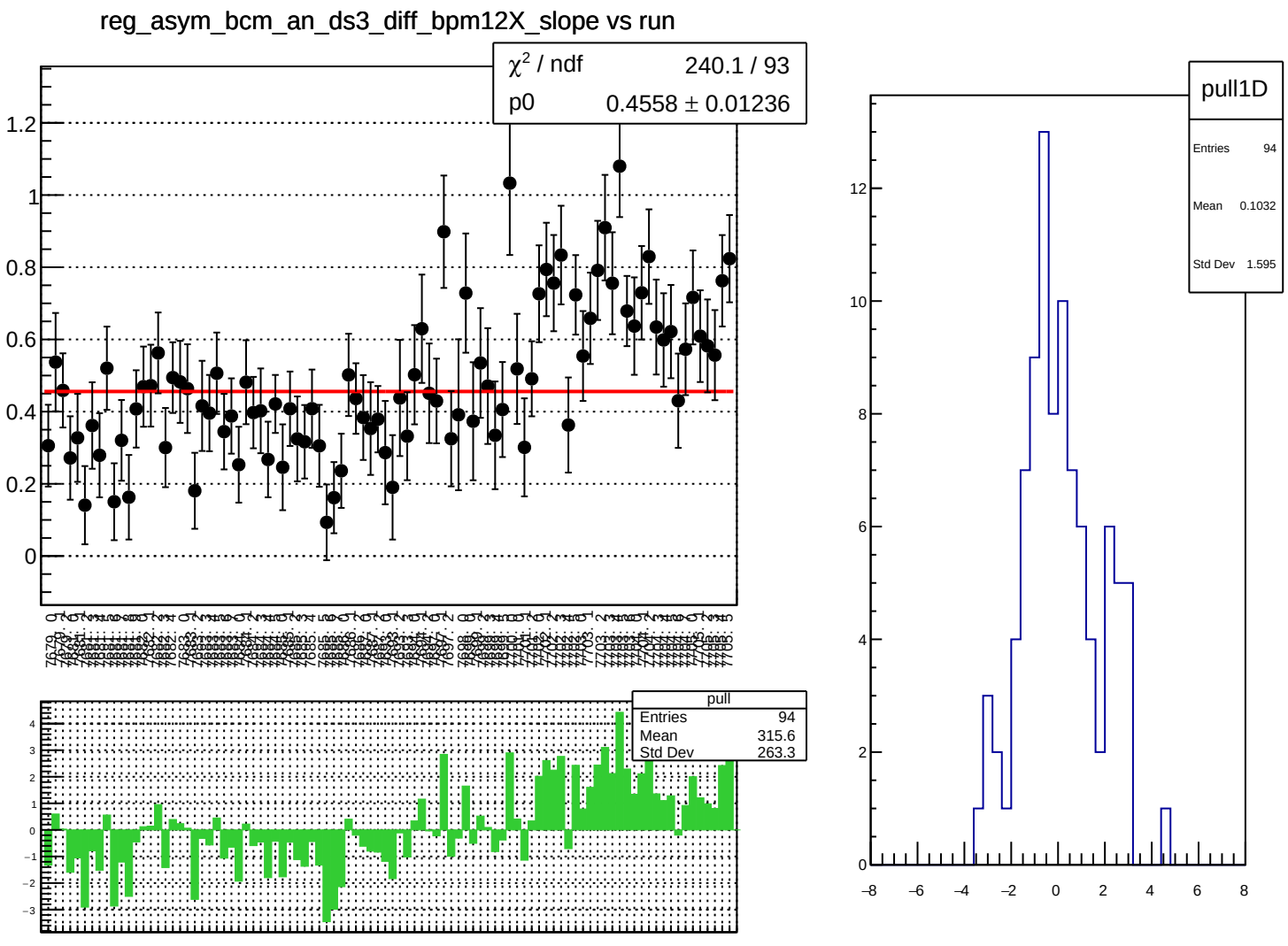

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1659 / 93
p0 3.356 ± 0.1103
pull
Entries 94
Mean 94.27
Std Dev 30.85
pull1D
Entries 94
Mean 0.8447
Std Dev 3.132

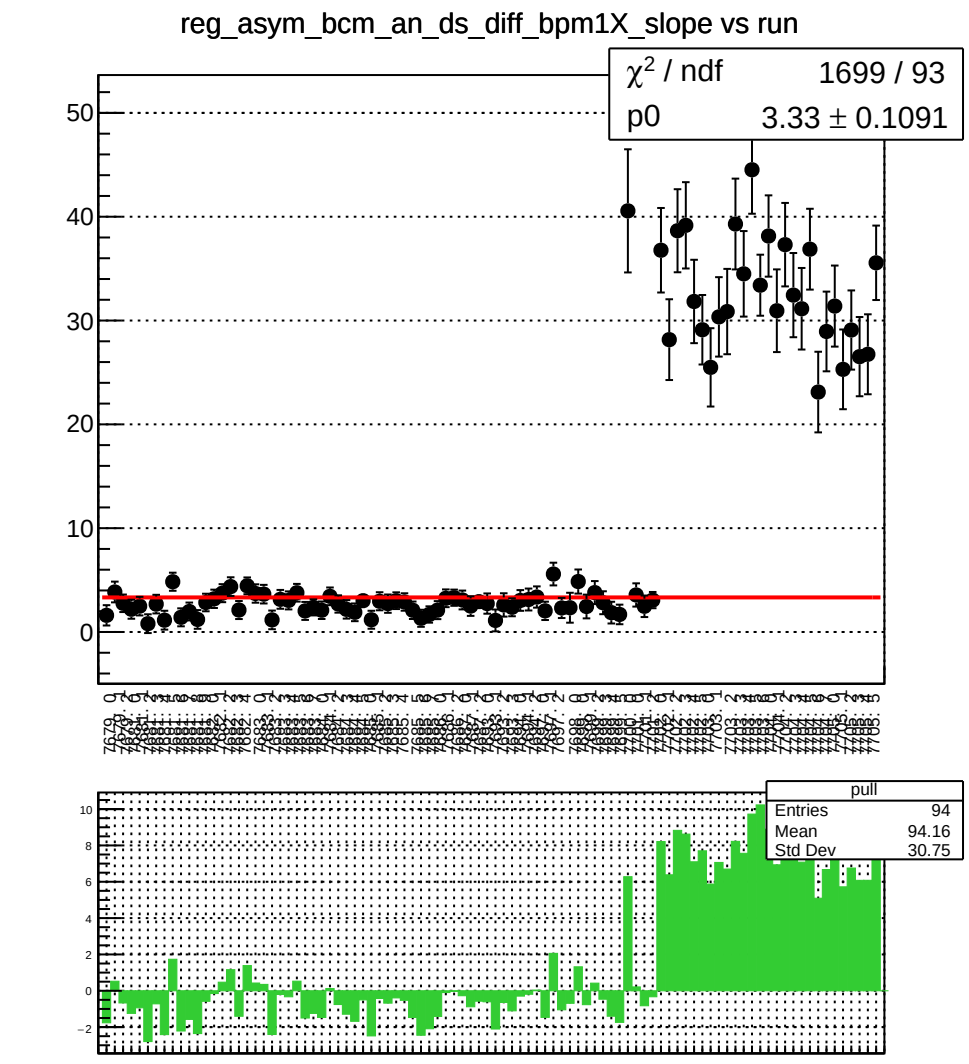

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 306.5 / 93
p0 −0.9596 ± 0.1617
pull
Entries 94
Mean 101.5
Std Dev 38.95
pull1D
Entries 94
Mean −0.5451
Std Dev 1.721

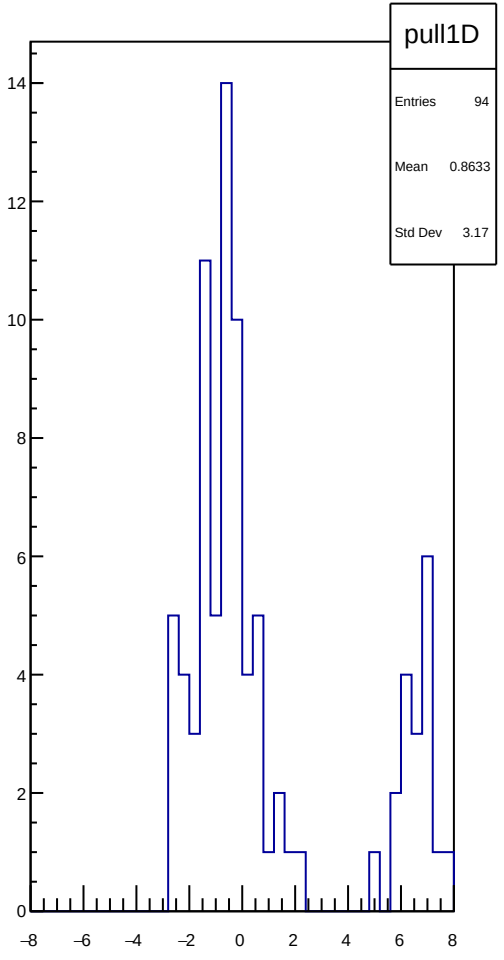

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1695 / 93
p0 −2.611 ± 0.08892
0
−10
−20
−30
−40
pull
Entries 94
Mean 91.95
Std Dev 27.57
2
0
−2
−4
−6
−8
−10
pull1D
Entries 94
Mean −0.9311
Std Dev 3.137
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

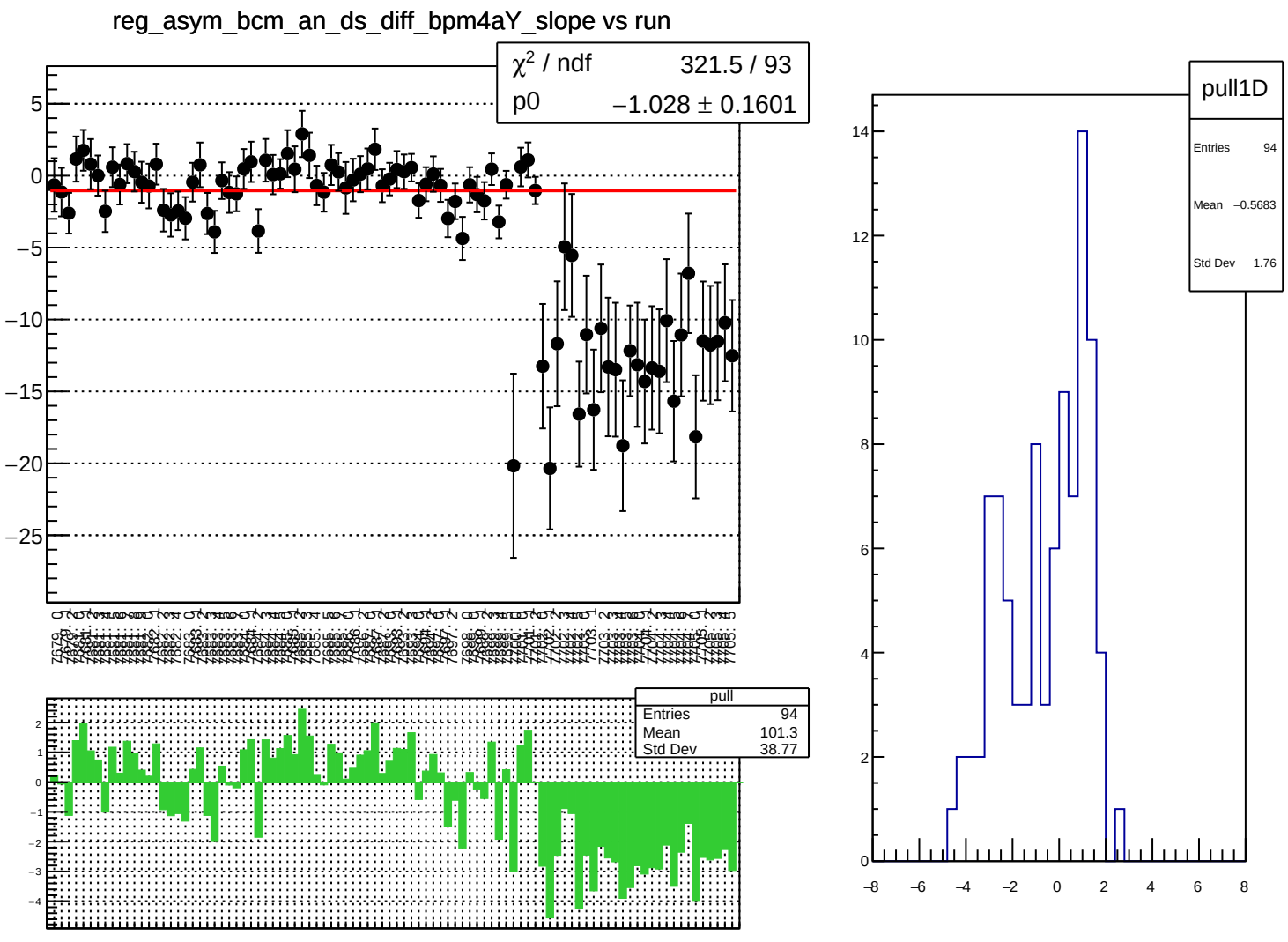

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 297.9 / 93
p0 1.196 ± 0.2415
pull
Entries 94
Mean 115.1
Std Dev 54.85

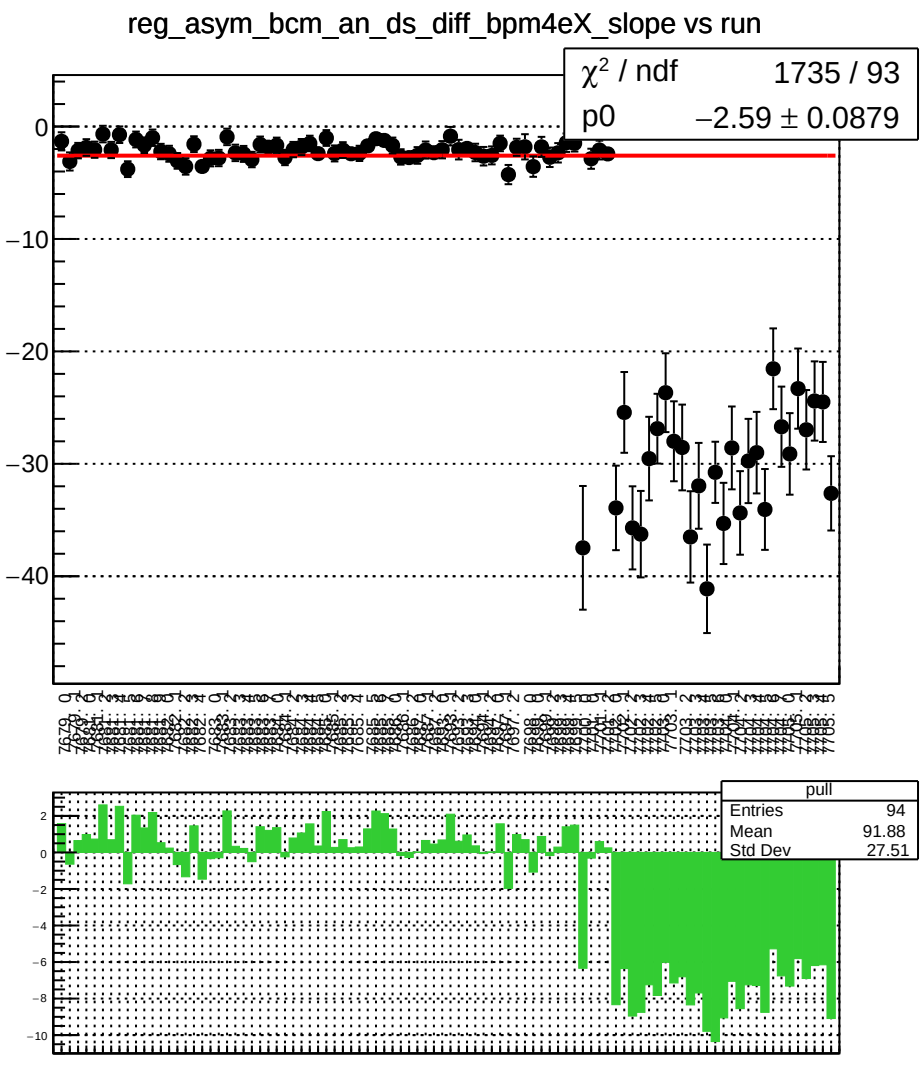

pull1D
Entries 94
Mean 0.4337
Std Dev 1.726

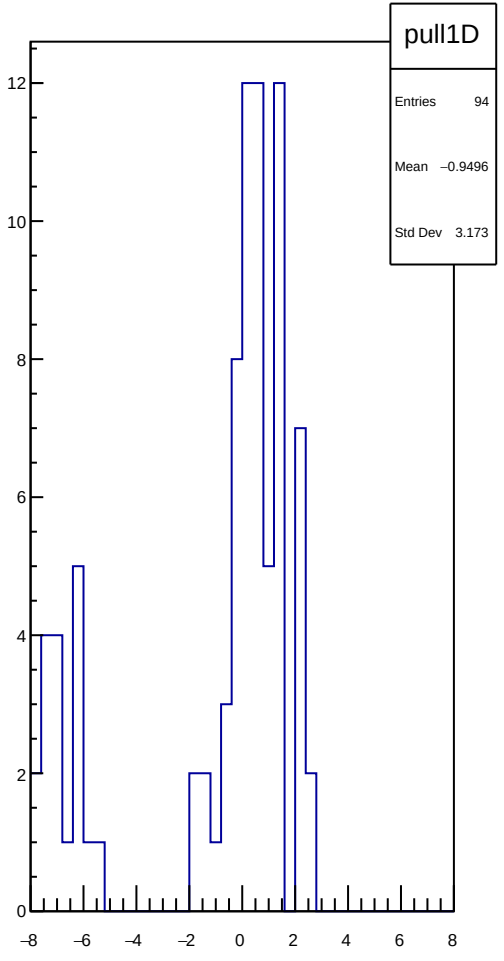

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 240.1 / 93
p0 0.4558 ± 0.01236
pull
Entries 94
Mean 315.6
Std Dev 263.3
pull1D
Entries 94
Mean 0.1032
Std Dev 1.595

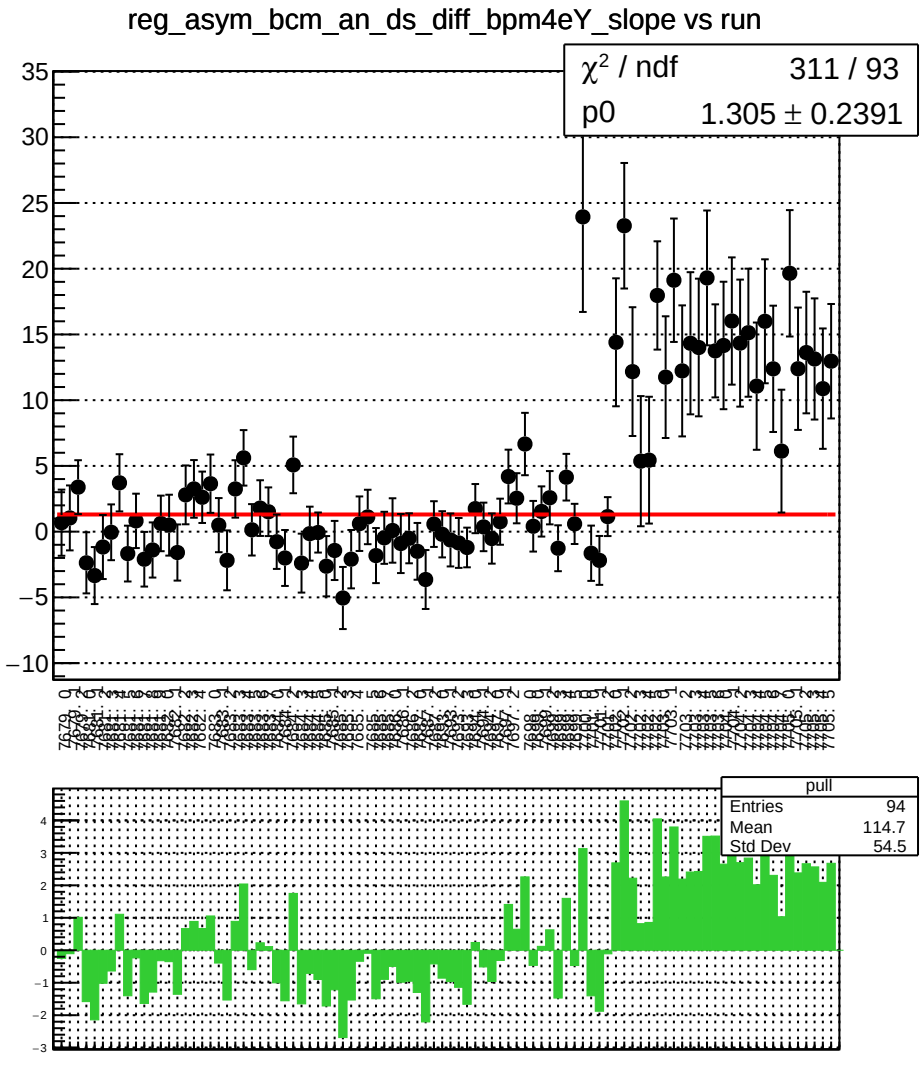

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1699 / 93
p0 3.33 ± 0.1091
pull
Entries 94
Mean 94.16
Std Dev 30.75

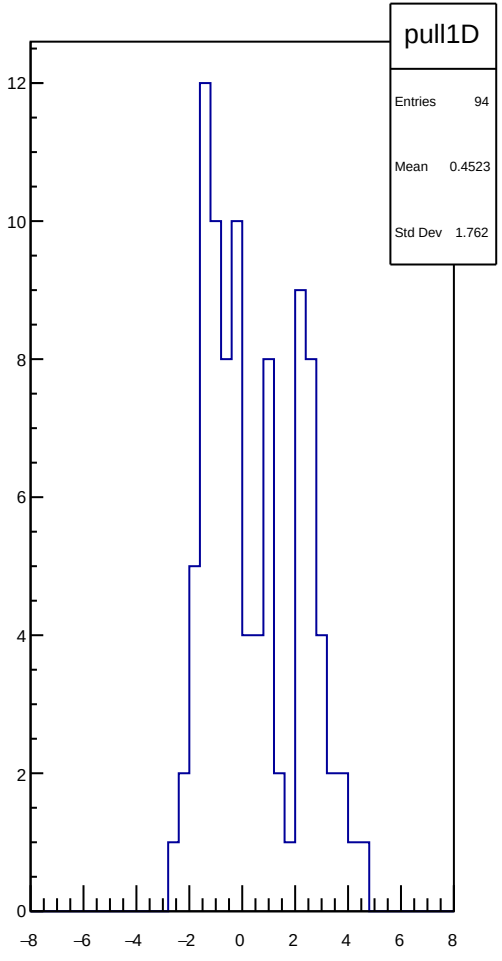

pull1D
Entries 94
Mean 0.8633
Std Dev 3.17

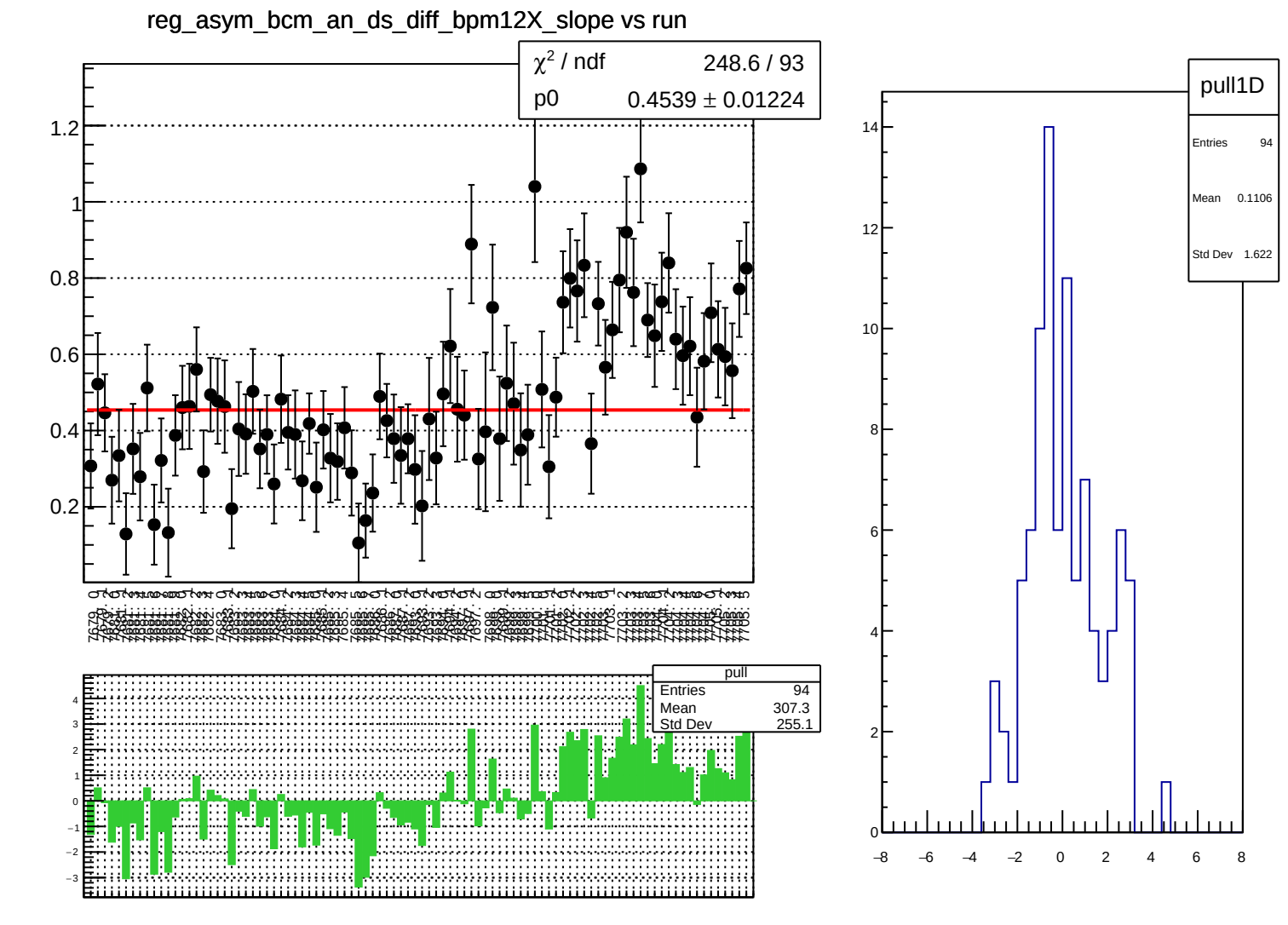

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 321.5 / 93
p0 −1.028 ± 0.1601
pull
Entries 94
Mean 101.3
Std Dev 38.77
pull1D
Entries 94
Mean −0.5683
Std Dev 1.76

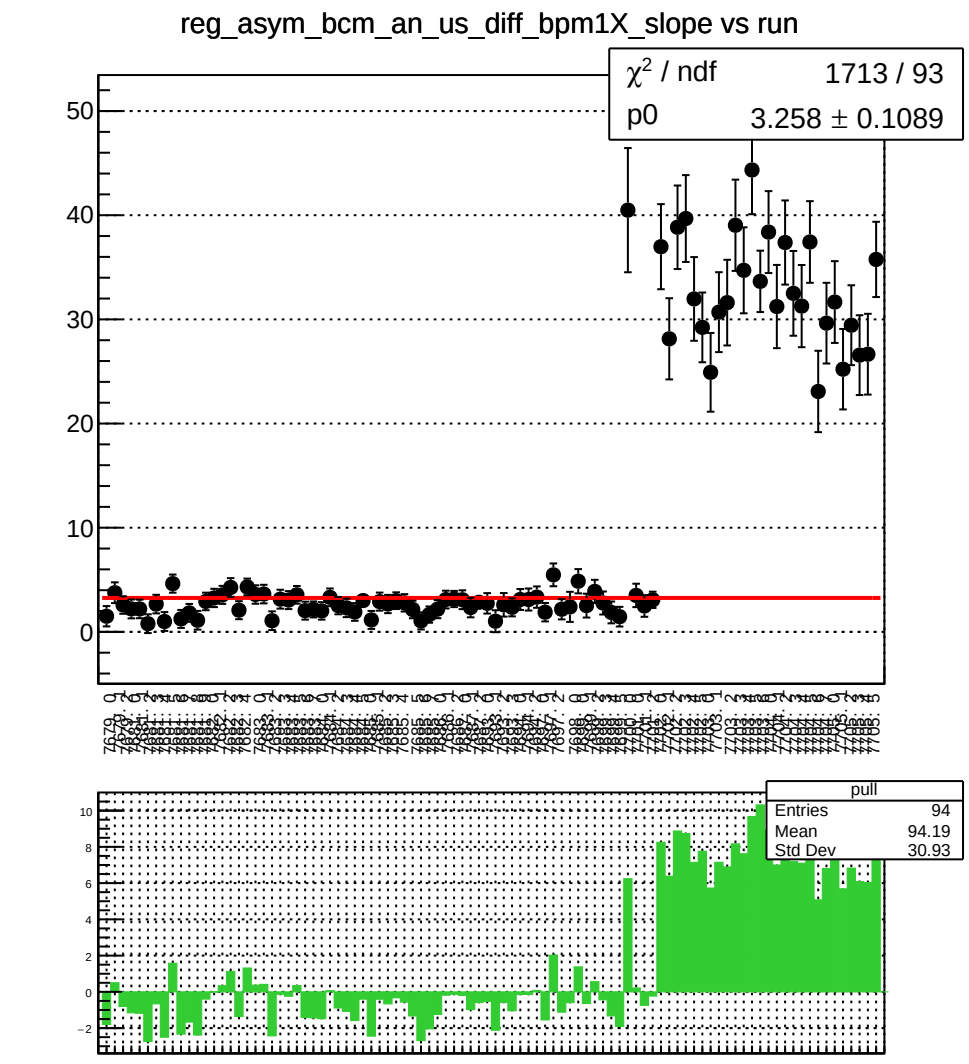

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1735 / 93
p0 −2.59 ± 0.0879
pull
Entries 94
Mean 91.88
Std Dev 27.51

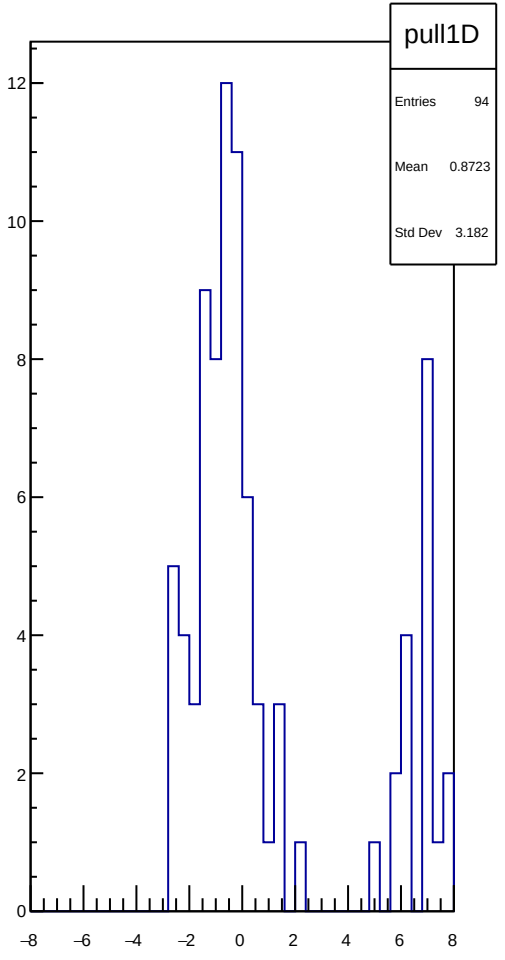

pull1D
Entries 94
Mean −0.9496
Std Dev 3.173

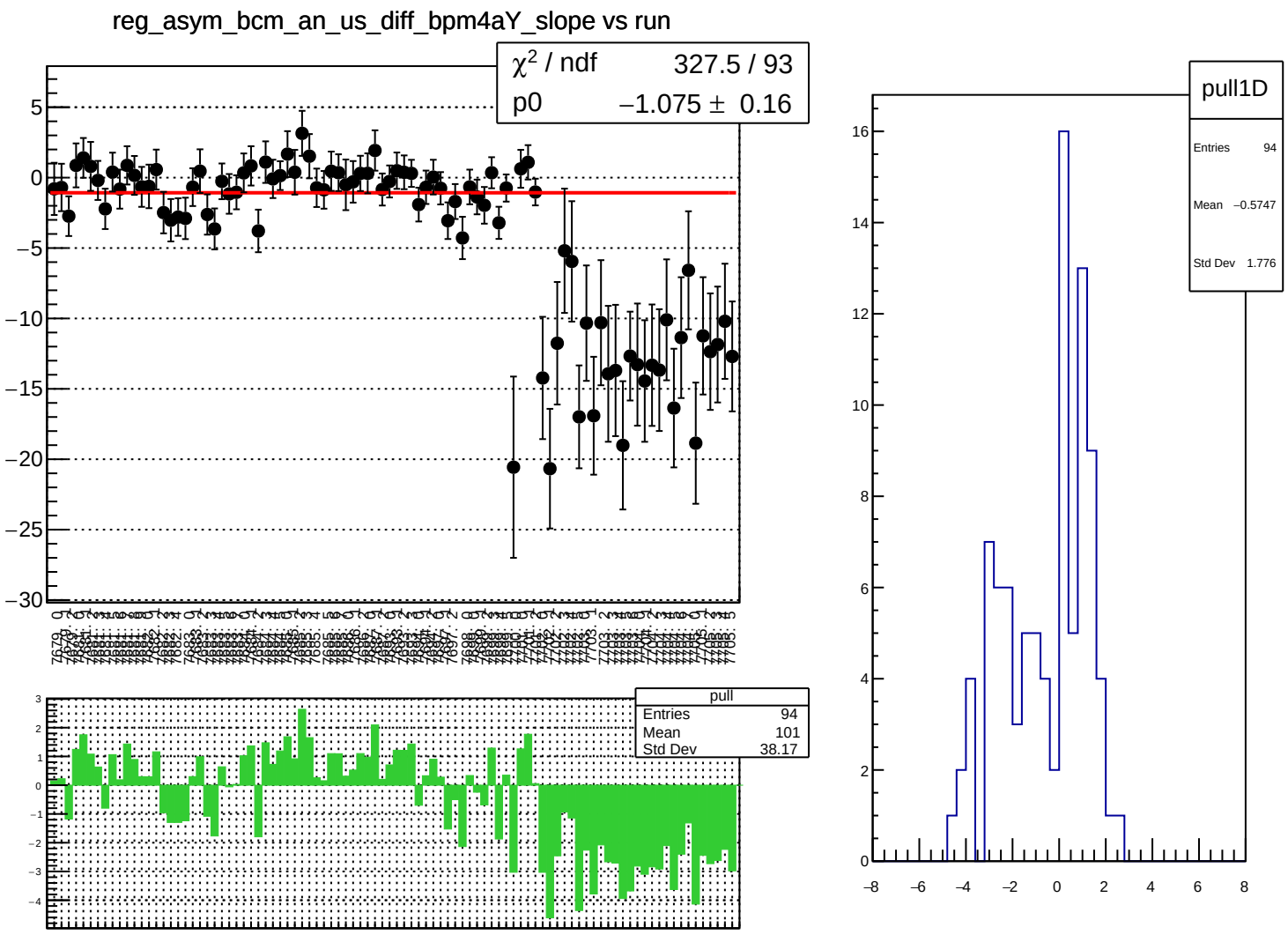

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 311 / 93
p0 1.305 ± 0.2391
pull
Entries 94
Mean 114.7
Std Dev 54.5

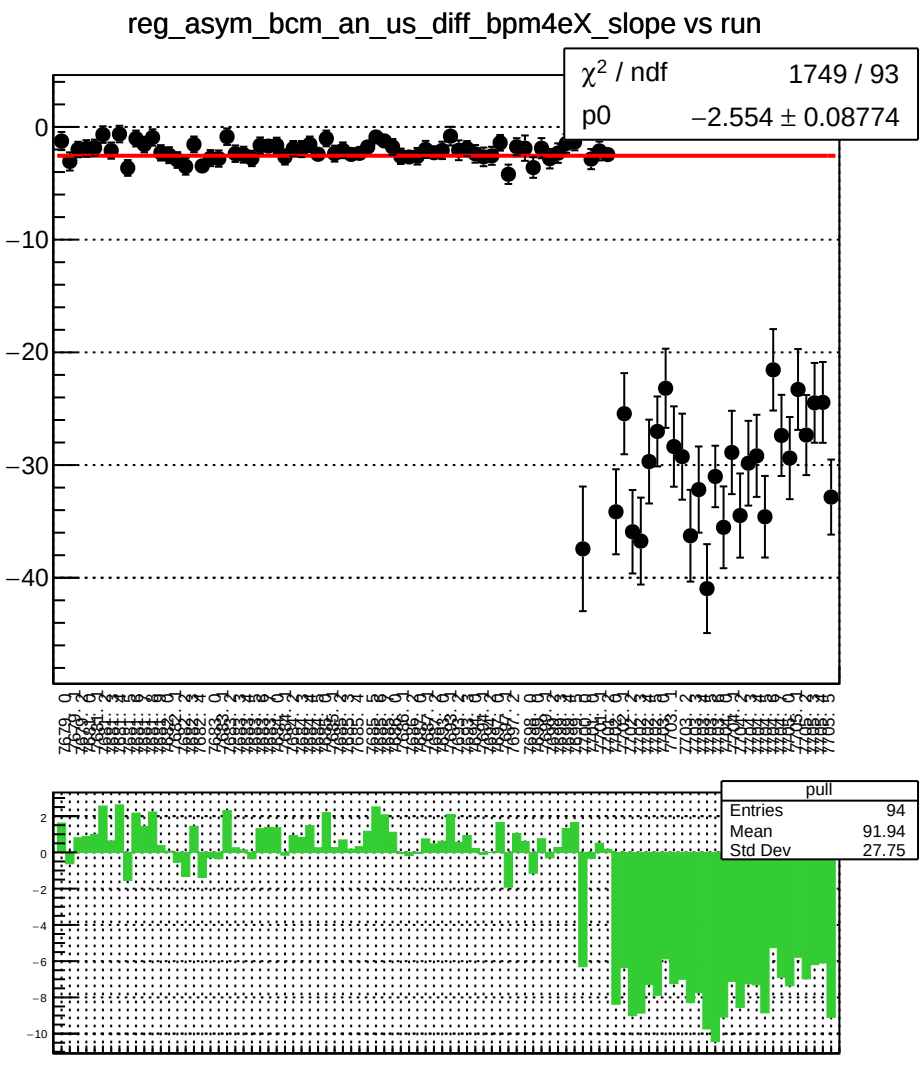

pull1D
Entries 94
Mean 0.4523
Std Dev 1.762

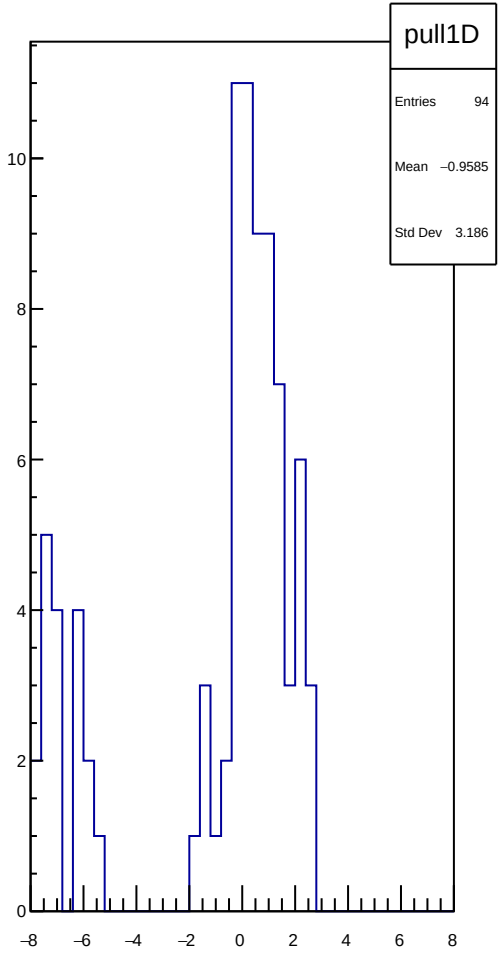

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 248.6 / 93
p0 0.4539 ± 0.01224
pull
Entries 94
Mean 307.3
Std Dev 255.1
pull1D
Entries 94
Mean 0.1106
Std Dev 1.622

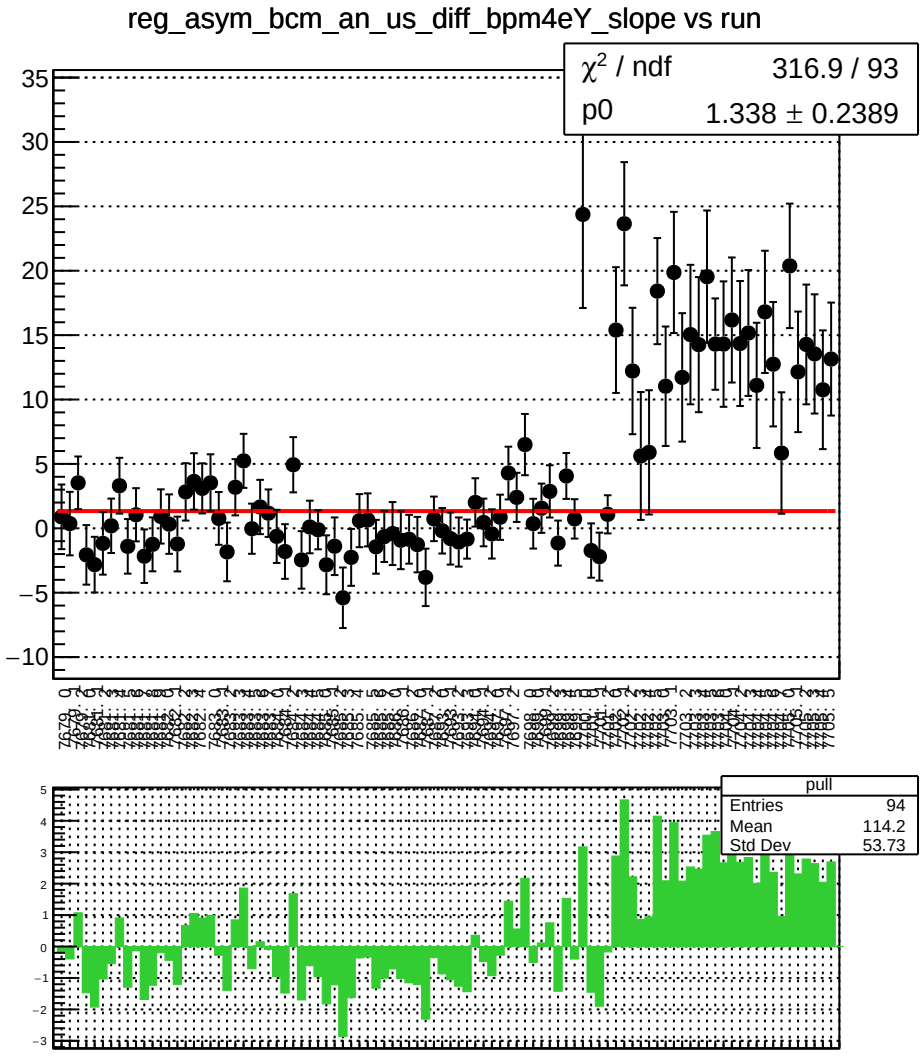

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1713 / 93
p0 3.258 ± 0.1089
pull
Entries 94
Mean 94.19
Std Dev 30.93

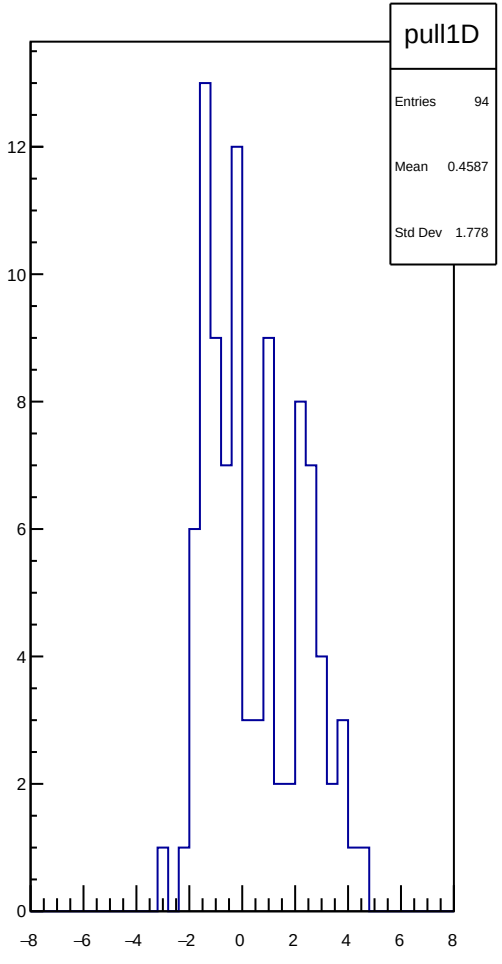

pull1D
Entries 94
Mean 0.8723
Std Dev 3.182

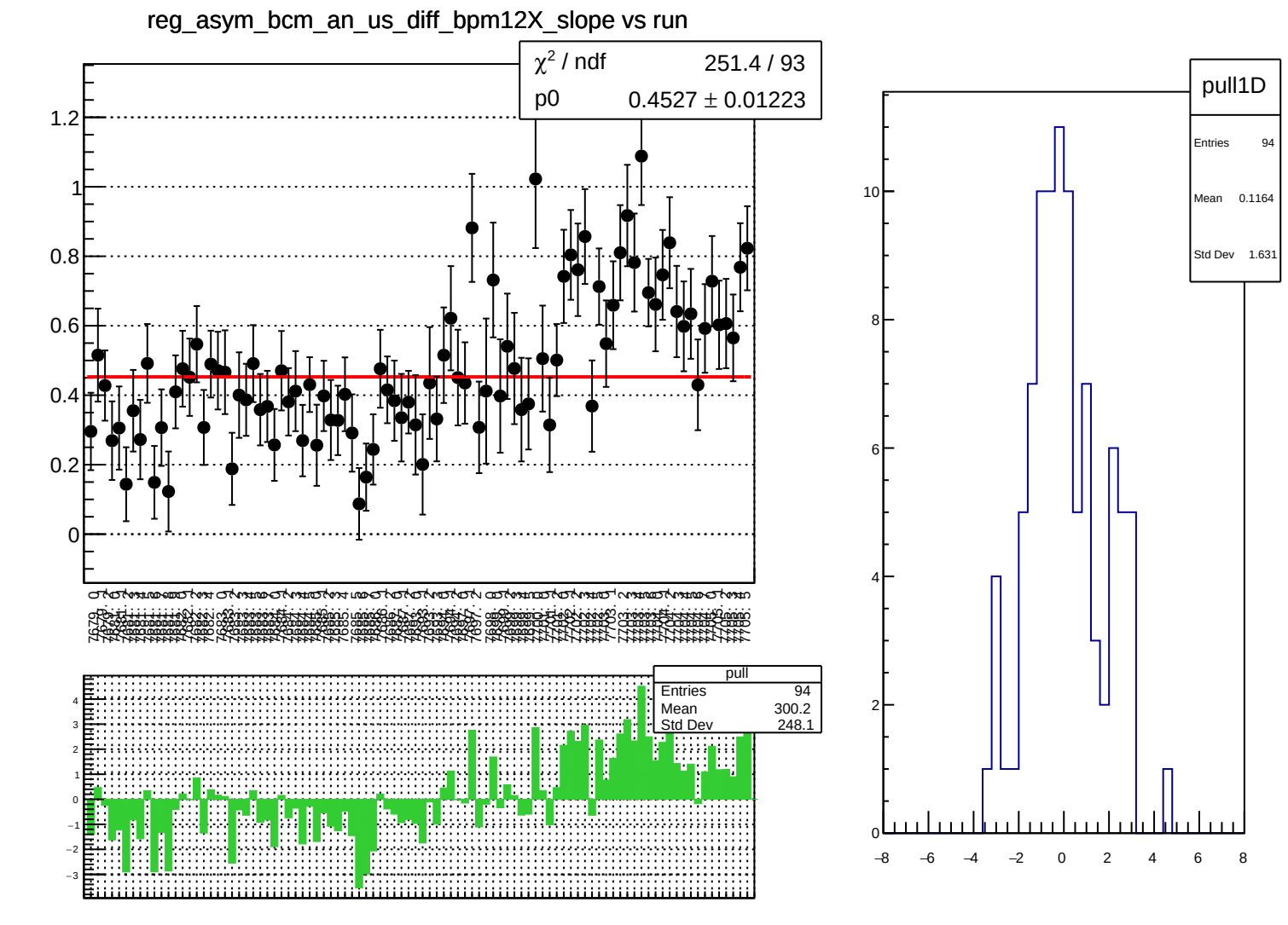

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 327.5 / 93
p0 −1.075 ± 0.16
pull
Entries 94
Mean 101
Std Dev 38.17
pull1D
Entries 94
Mean −0.5747
Std Dev 1.776

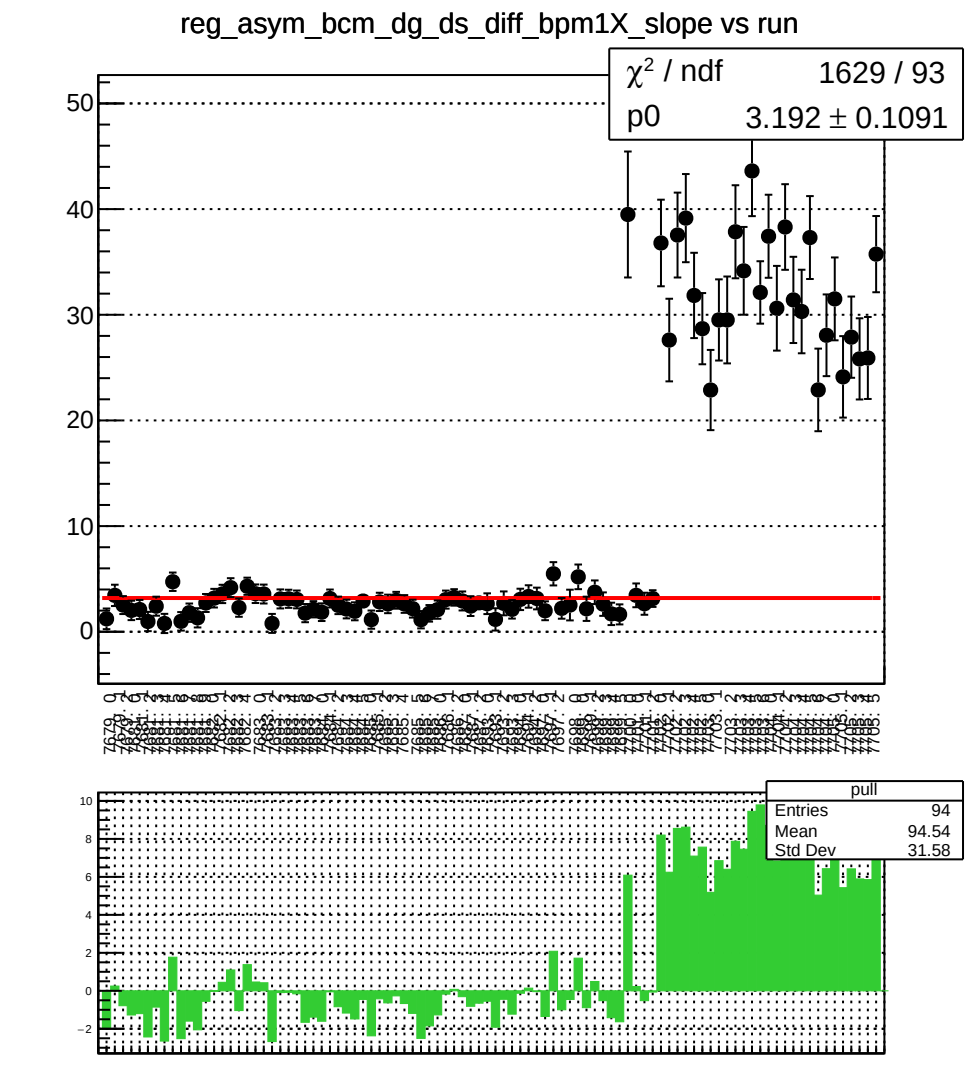

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1749 / 93
p0 −2.554 ± 0.08774
pull
Entries 94
Mean 91.94
Std Dev 27.75

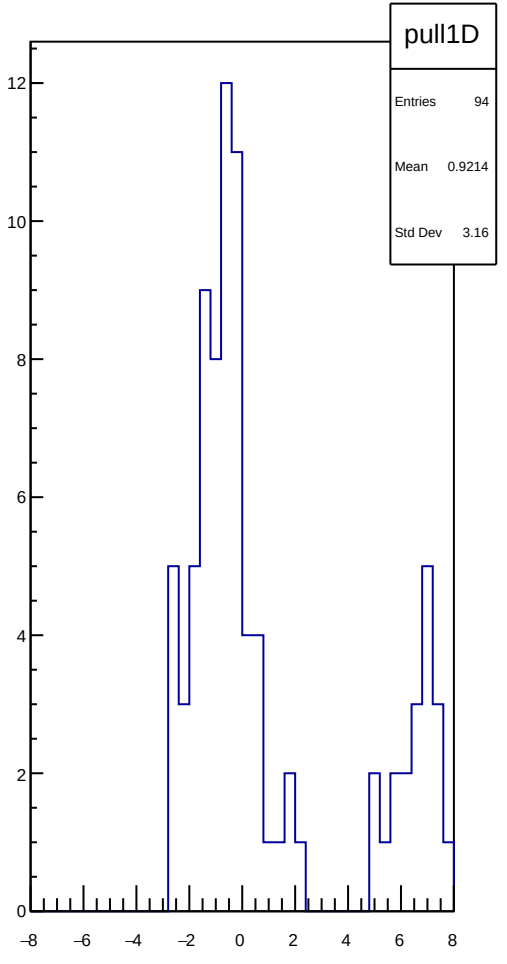

pull1D
Entries 94
Mean −0.9585
Std Dev 3.186

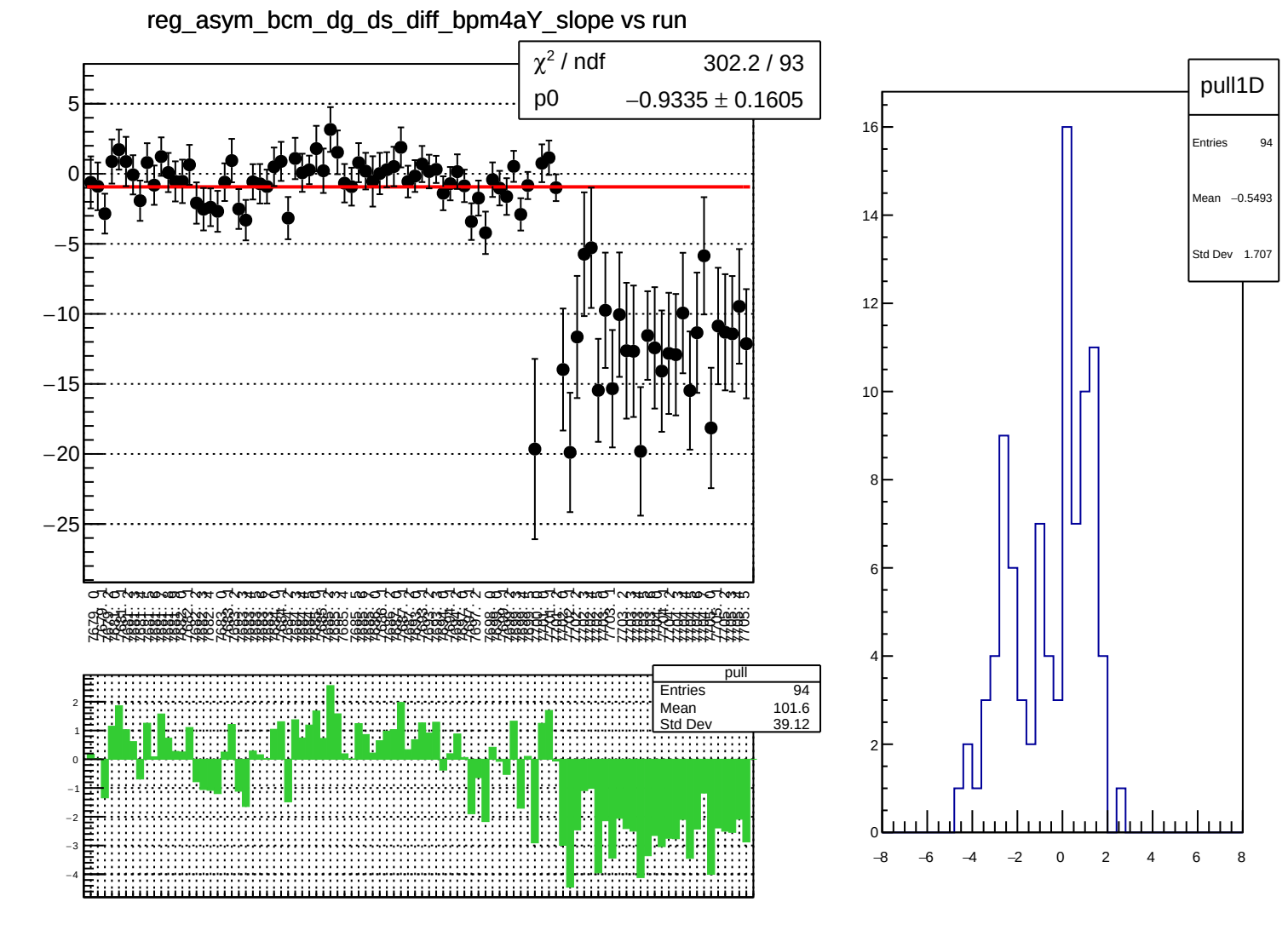

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 316.9 / 93
p0 1.338 ± 0.2389
pull
Entries 94
Mean 114.2
Std Dev 53.73

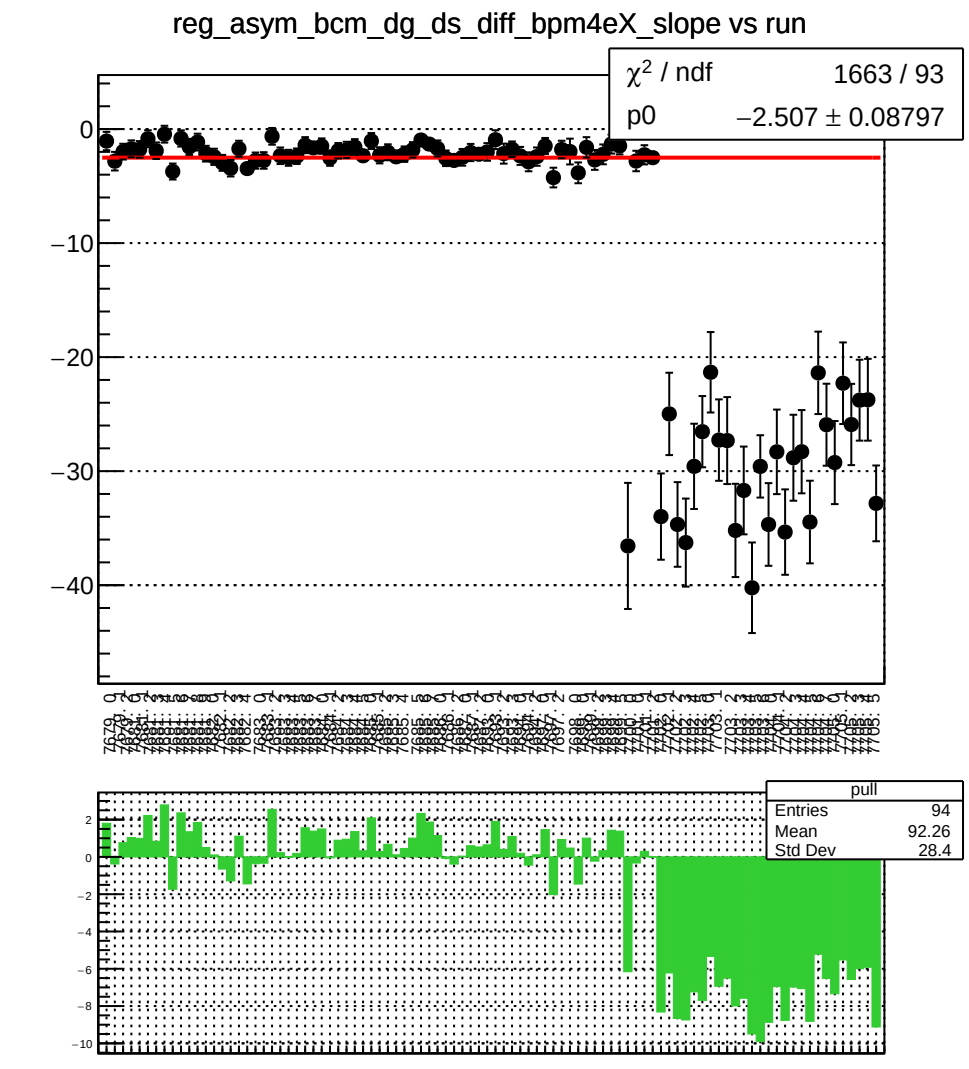

pull1D
Entries 94
Mean 0.4587
Std Dev 1.778

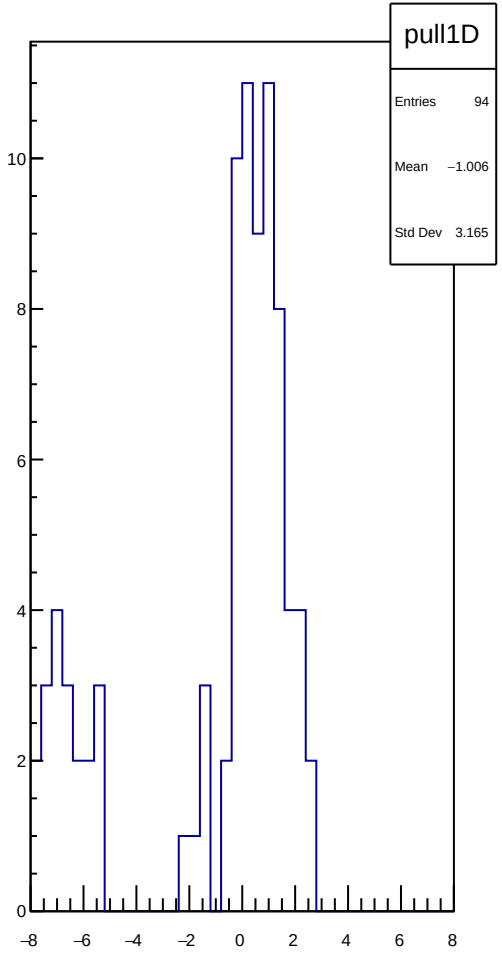

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 251.4 / 93
p0 0.4527 ± 0.01223
pull
Entries 94
Mean 300.2
Std Dev 248.1
pull1D
Entries 94
Mean 0.1164
Std Dev 1.631

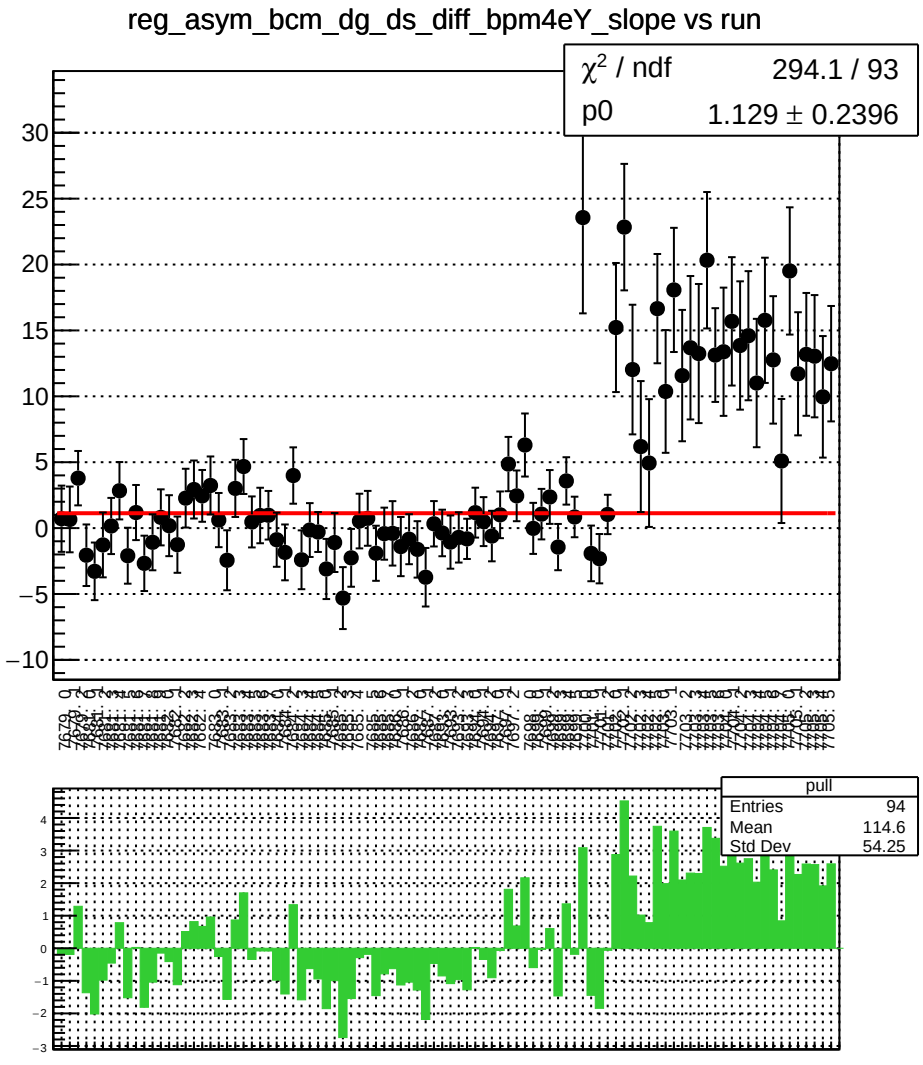

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1629 / 93
p0 3.192 ± 0.1091
pull
Entries 94
Mean 94.54
Std Dev 31.58

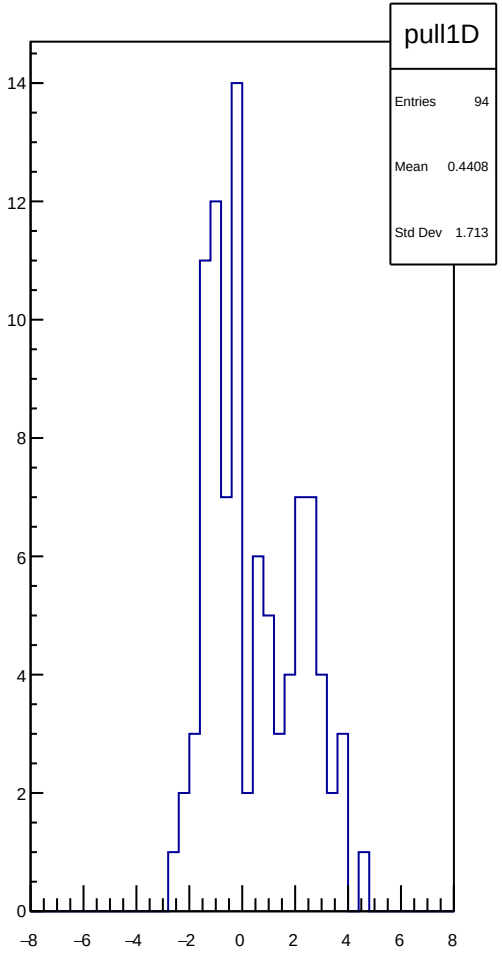

pull1D
Entries 94
Mean 0.9214
Std Dev 3.16

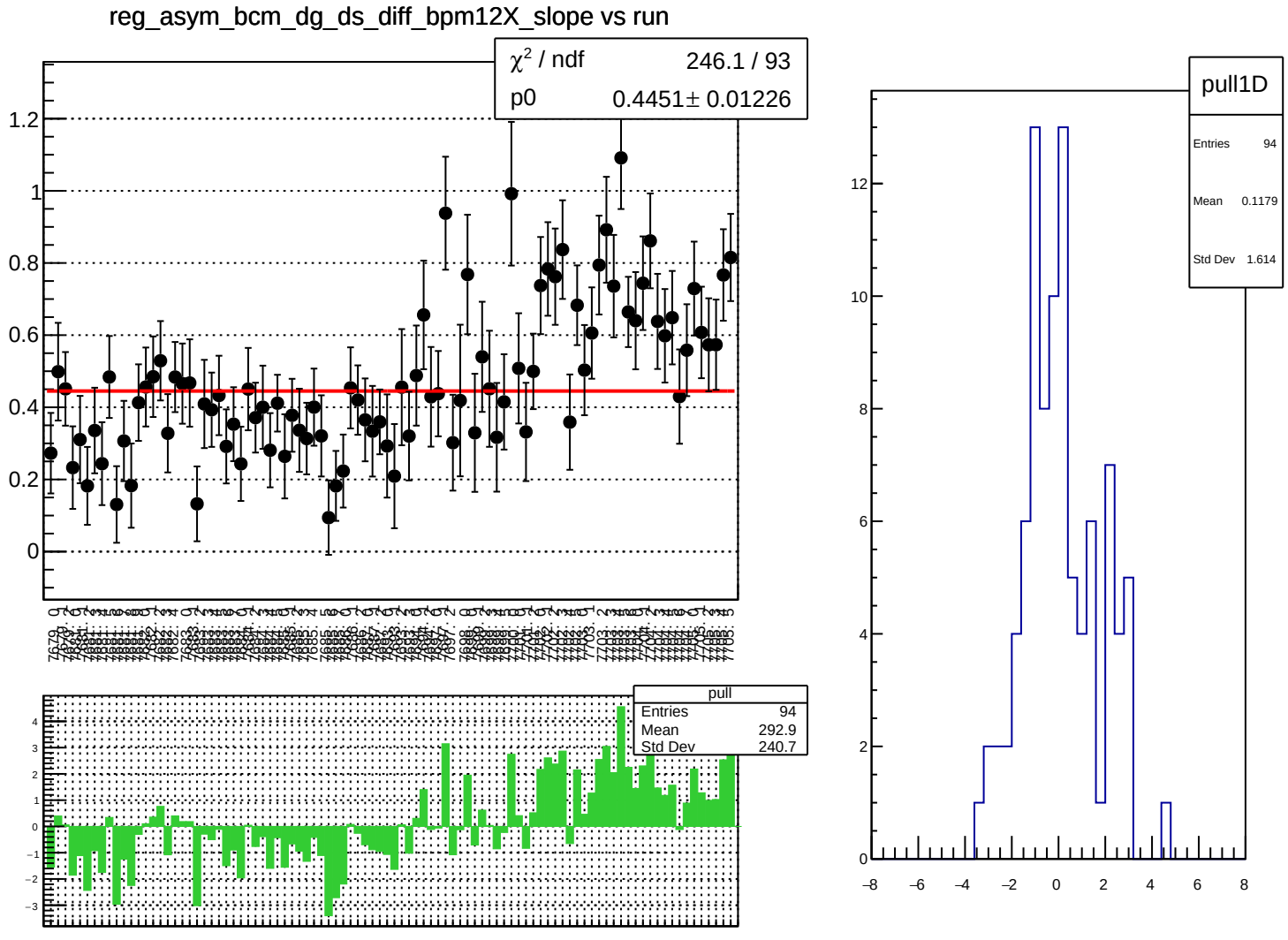

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 302.2 / 93
p0 −0.9335 ± 0.1605
pull
Entries 94
Mean 101.6
Std Dev 39.12
pull1D
Entries 94
Mean −0.5493
Std Dev 1.707

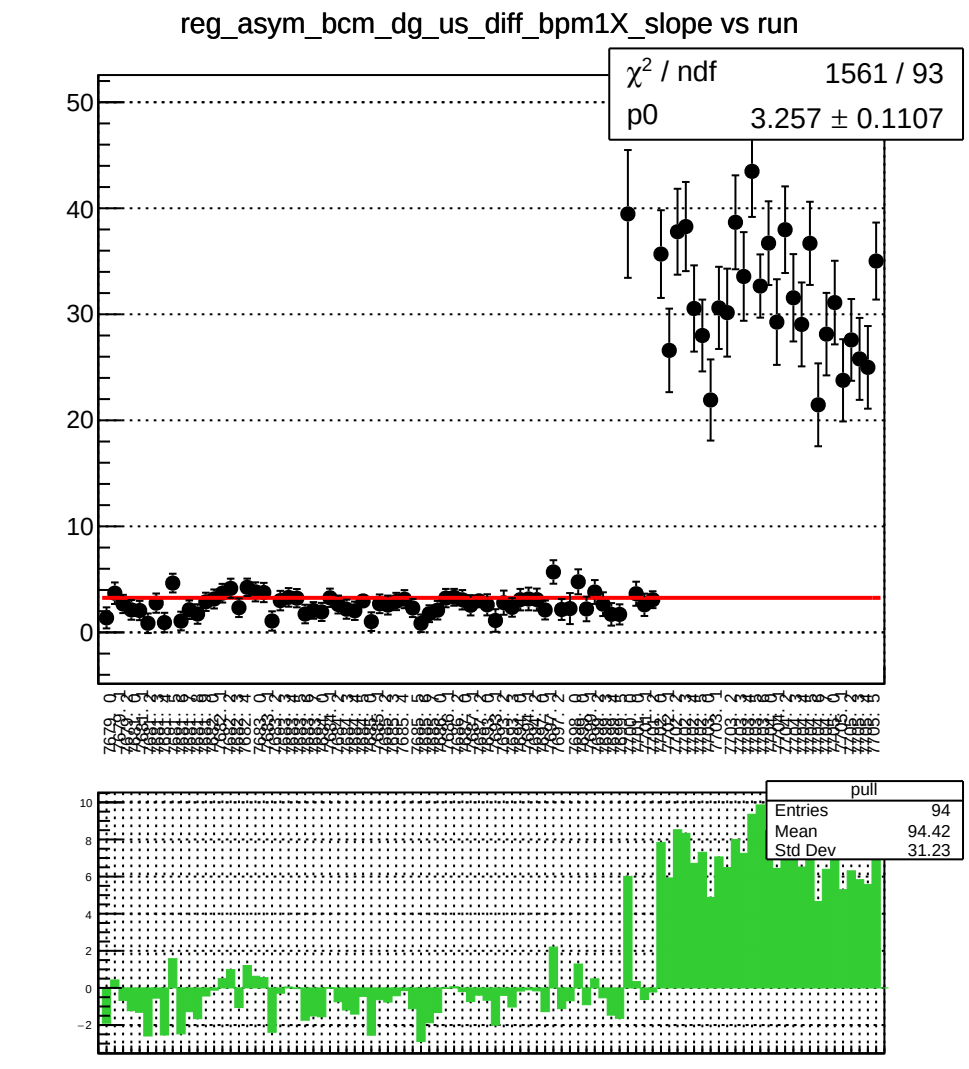

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1663 / 93
p0 −2.507 ± 0.08797
pull
Entries 94
Mean 92.26
Std Dev 28.4

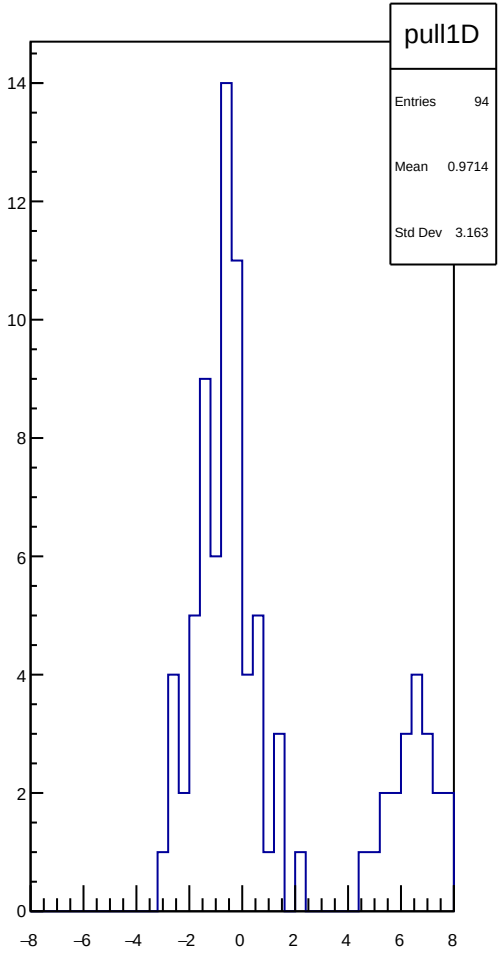

pull1D
Entries 94
Mean −1.006
Std Dev 3.165

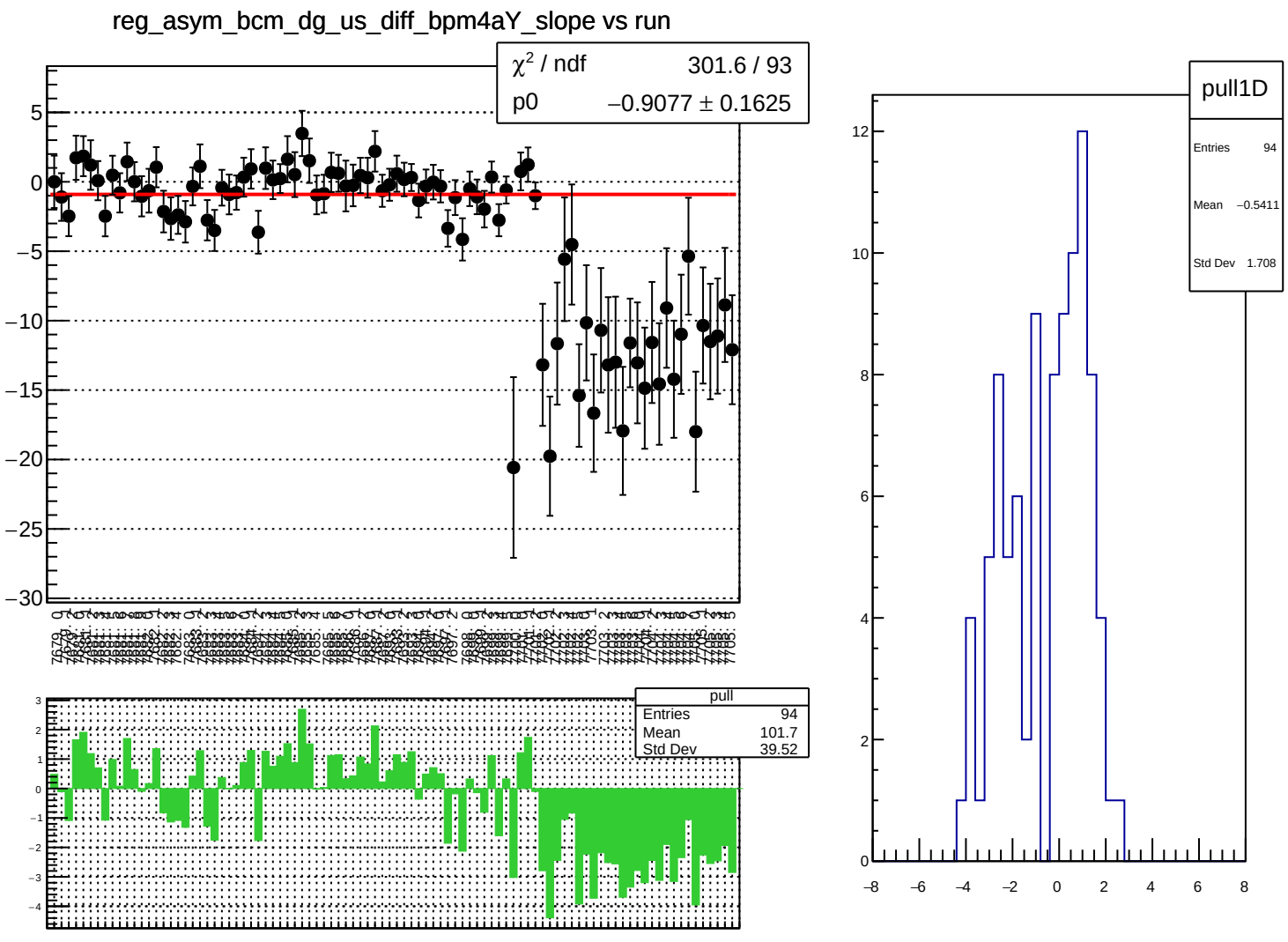

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 294.1 / 93
p0 1.129 ± 0.2396
pull
Entries 94
Mean 114.6
Std Dev 54.25

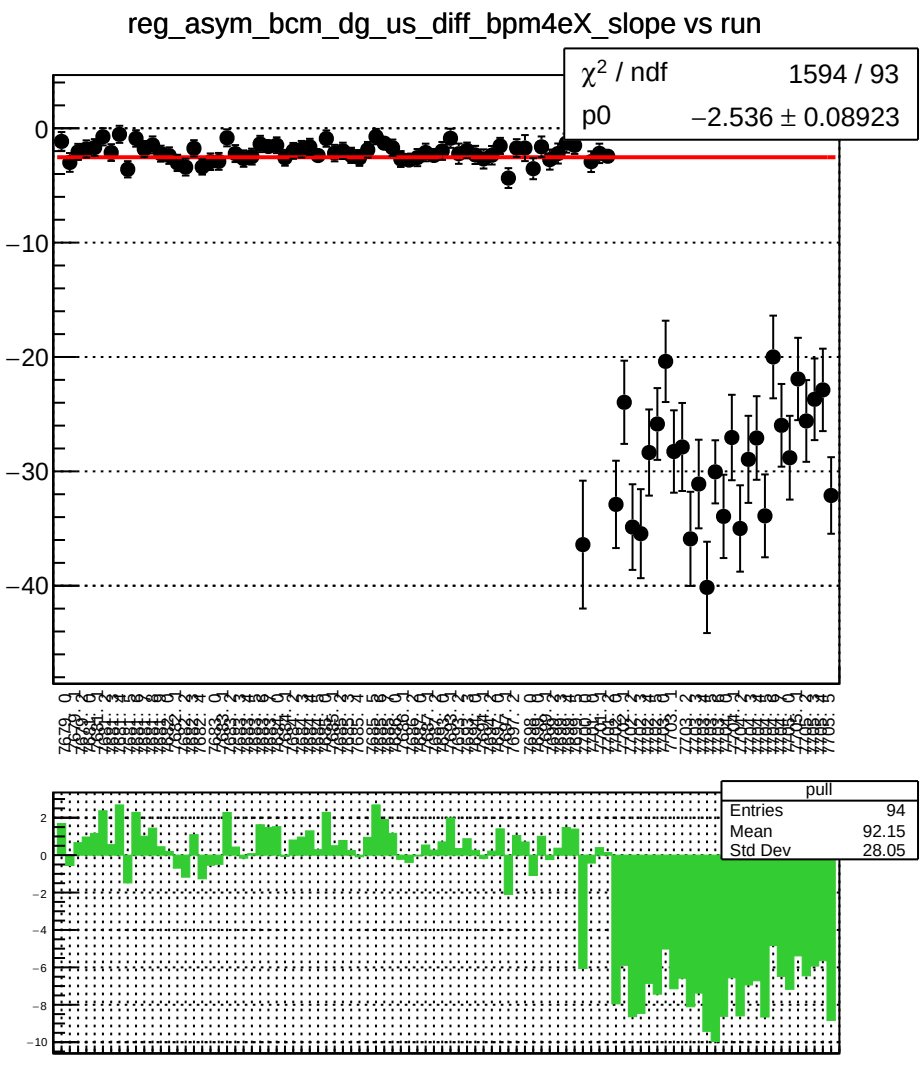

pull1D
Entries 94
Mean 0.4408
Std Dev 1.713

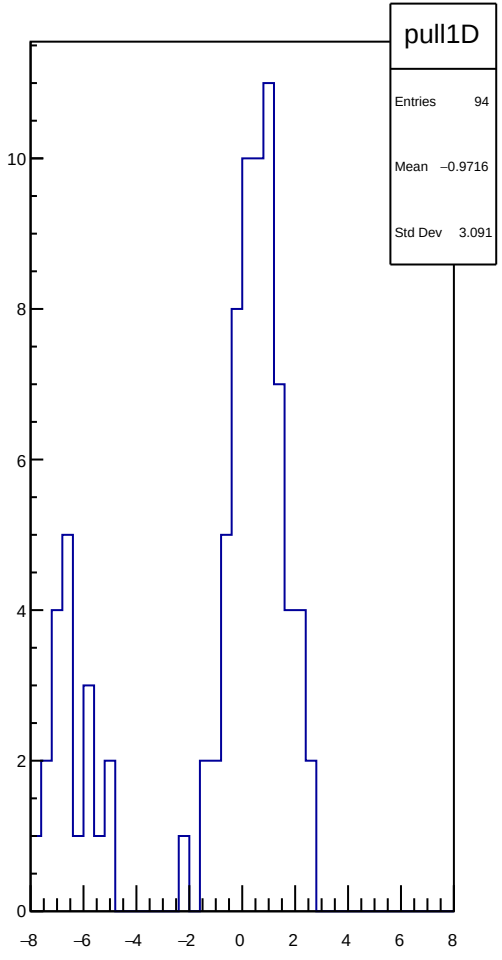

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 246.1 / 93
p0 0.4451± 0.01226
pull
Entries 94
Mean 292.9
Std Dev 240.7
pull1D
Entries 94
Mean 0.1179
Std Dev 1.614

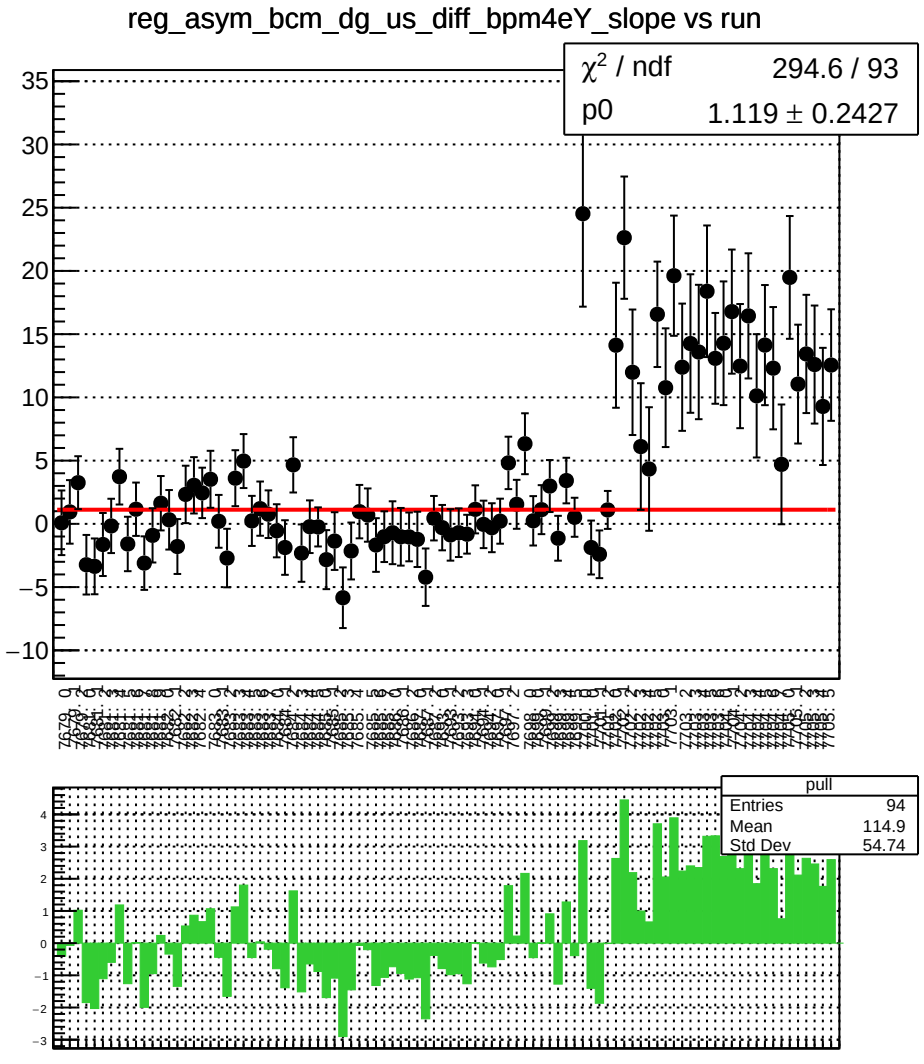

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1561 / 93
p0 3.257 ± 0.1107
pull
Entries 94
Mean 94.42
Std Dev 31.23

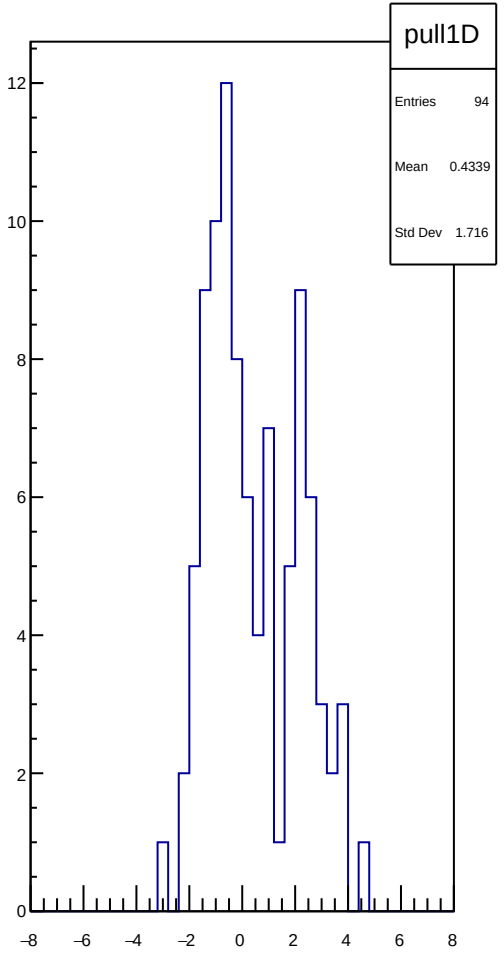

pull1D
Entries 94
Mean 0.9714
Std Dev 3.163

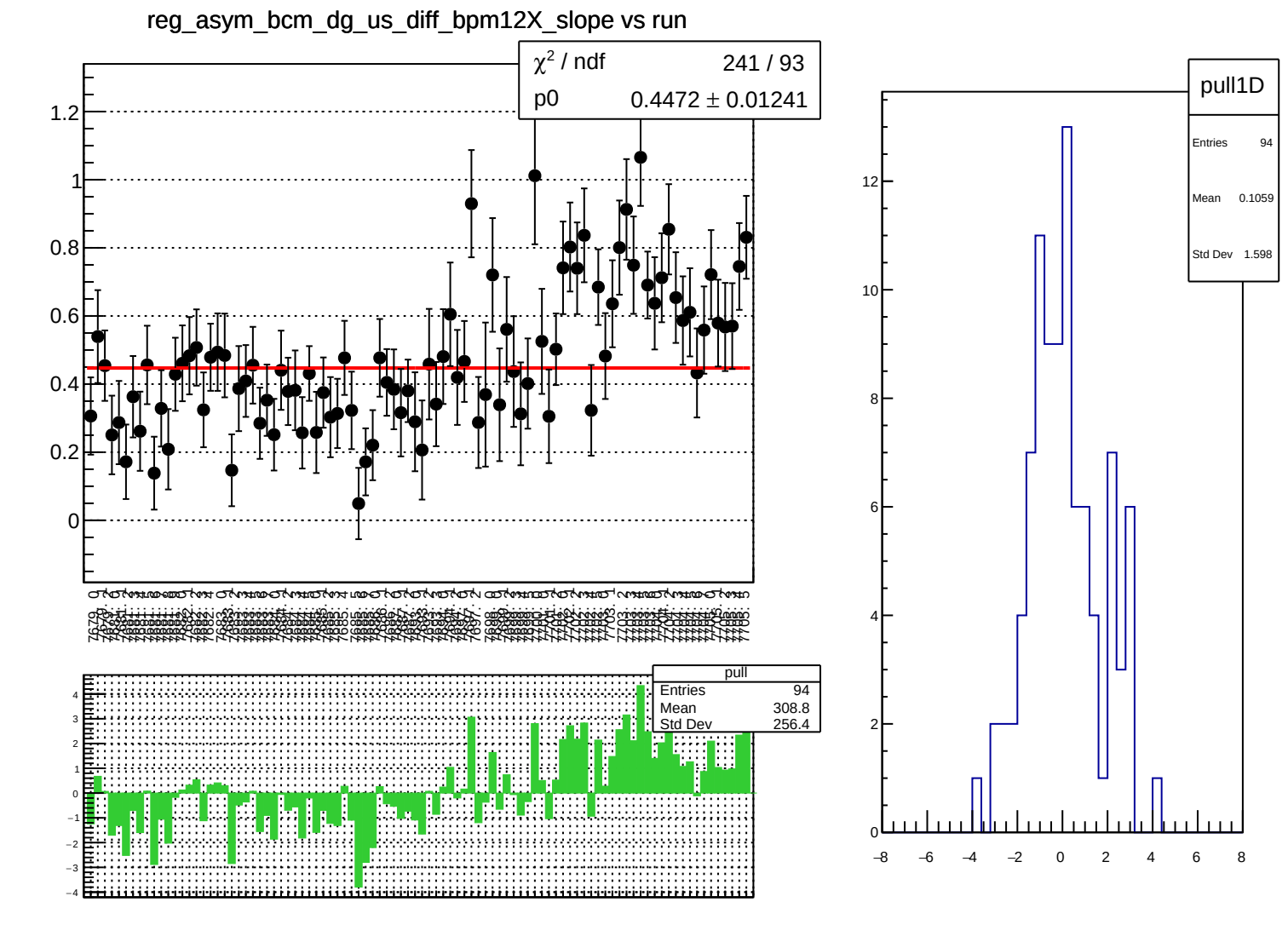

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 301.6 / 93
p0 −0.9077 ± 0.1625
pull
Entries 94
Mean 101.7
Std Dev 39.52
pull1D
Entries 94
Mean −0.5411
Std Dev 1.708


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1594 / 93
p0 −2.536 ± 0.08923
pull
Entries 94
Mean 92.15
Std Dev 28.05


pull1D
Entries 94
Mean −0.9716
Std Dev 3.091


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 294.6 / 93
p0 1.119 ± 0.2427
pull
Entries 94
Mean 114.9
Std Dev 54.74


pull1D
Entries 94
Mean 0.4339
Std Dev 1.716


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 241 / 93
p0 0.4472 ± 0.01241
pull
Entries 94
Mean 308.8
Std Dev 256.4
pull1D
Entries 94
Mean 0.1059
Std Dev 1.598