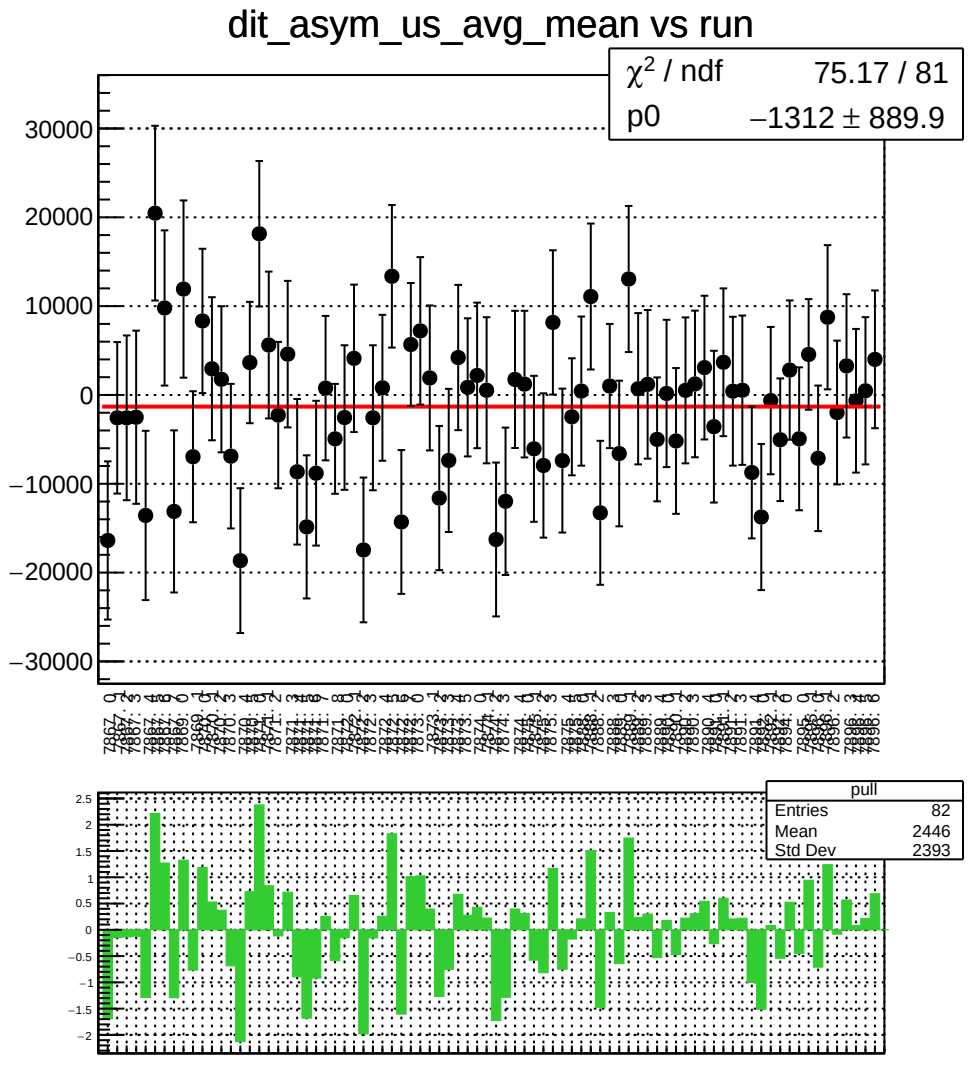
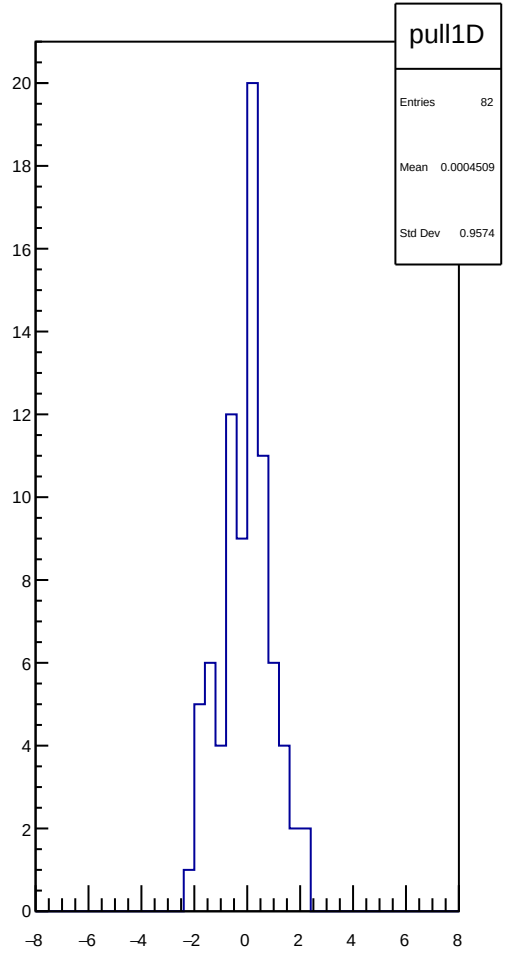
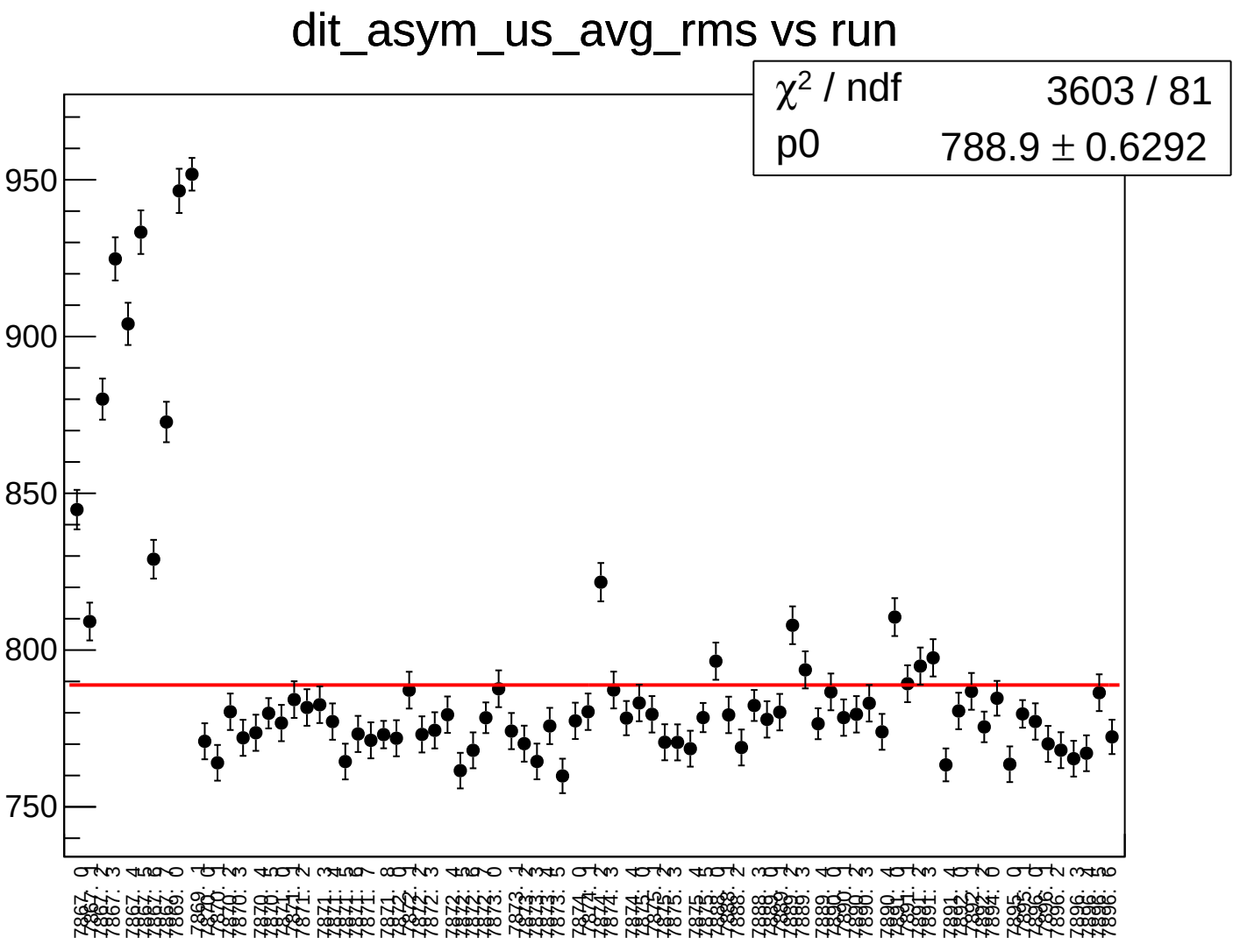
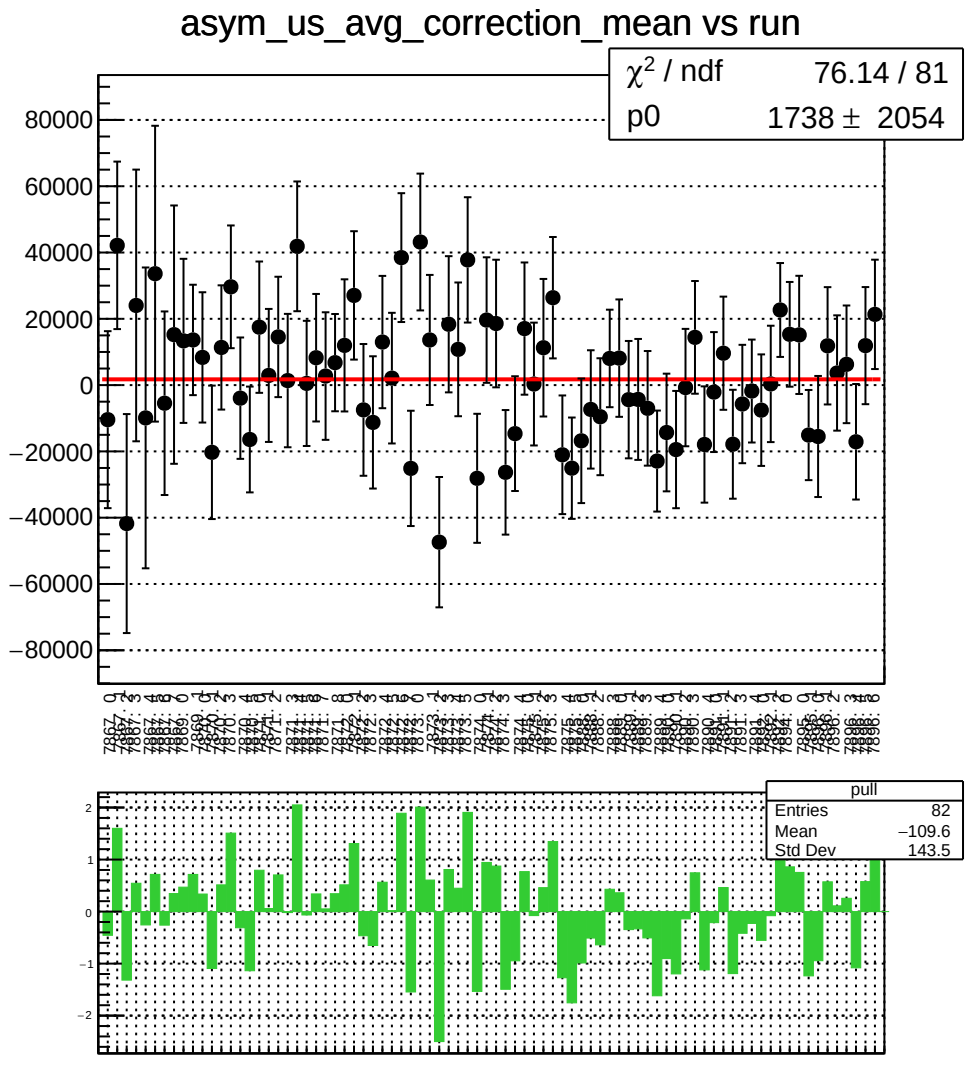
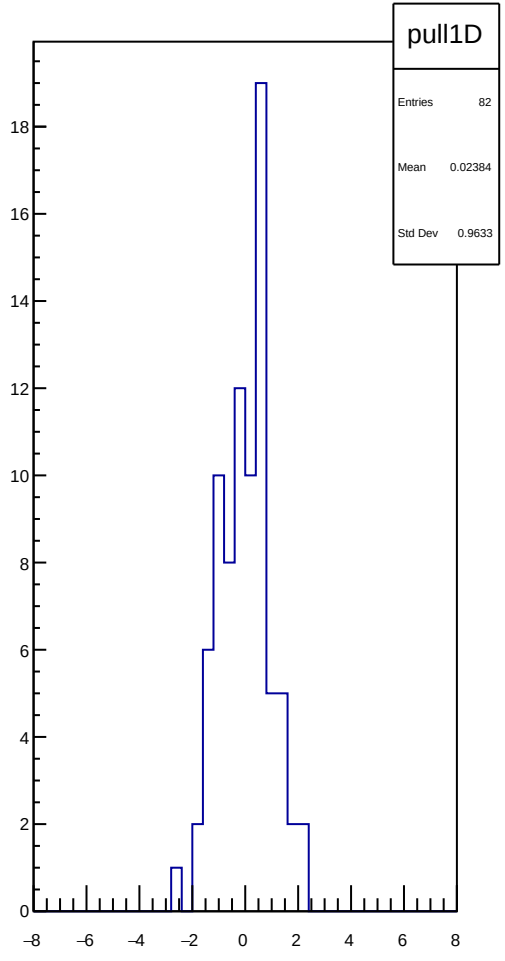
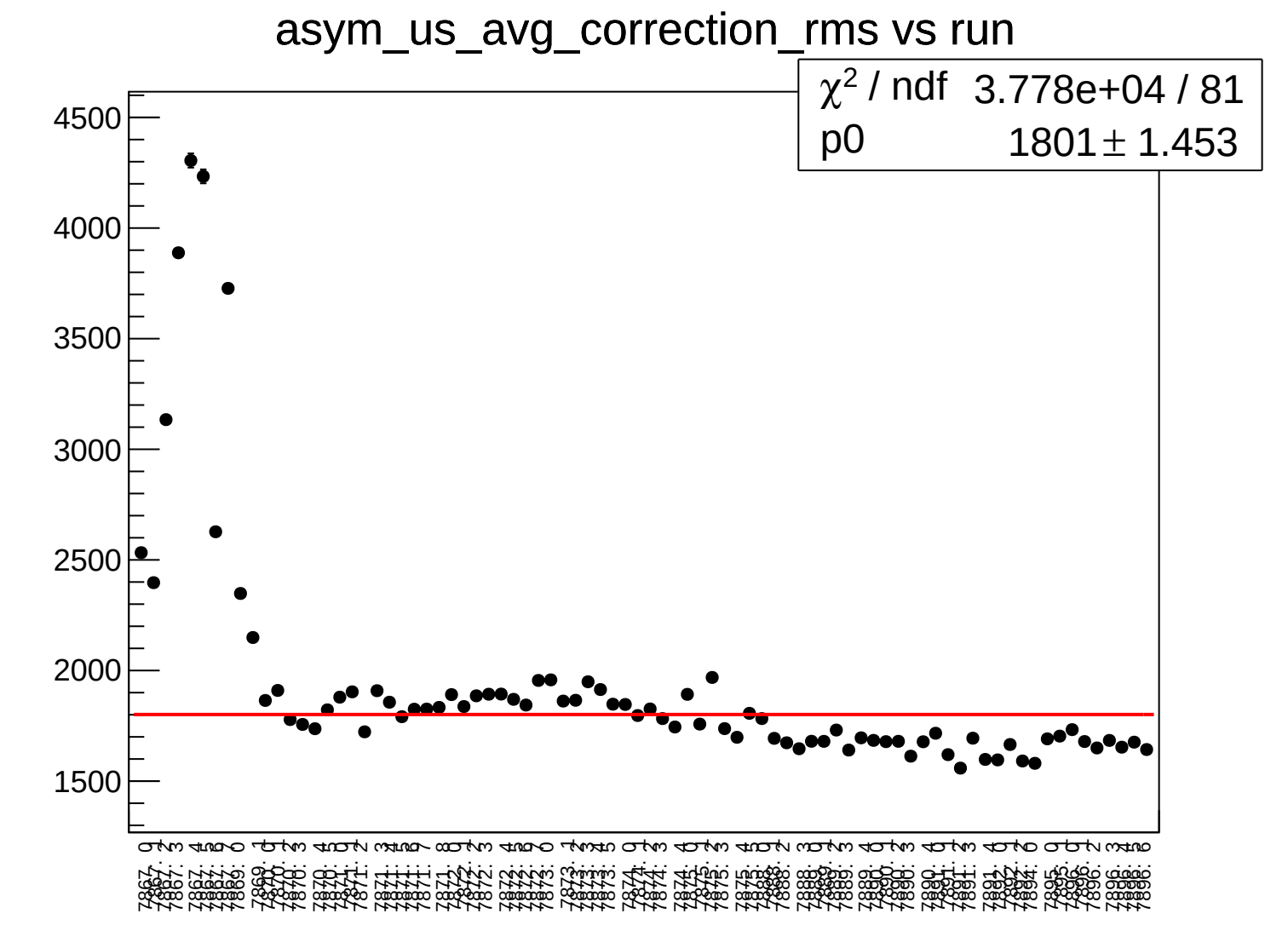

dit_asym_us_avg_mean vs run
χ² / ndf 75.17 / 81
p0 −1312 ± 889.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 2446
Std Dev 2393
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

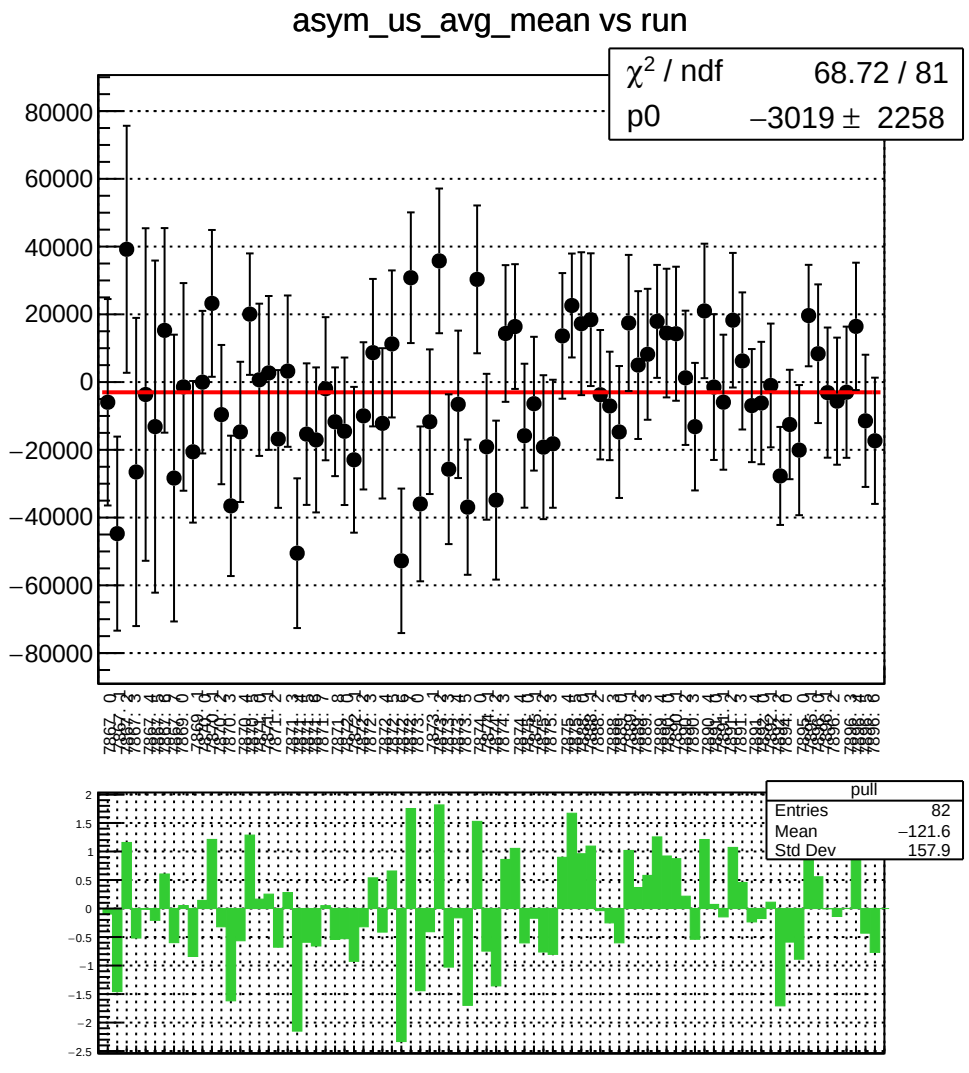

pull1D
Entries 82
Mean 0.0004509
Std Dev 0.9574
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

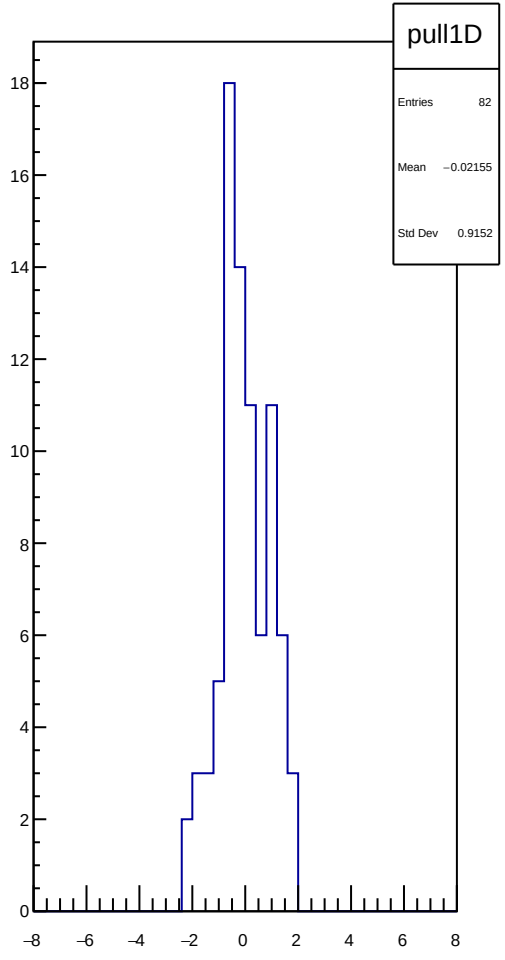

dit_asym_us_avg_rms vs run
χ² / ndf 3603 / 81
p0 788.9 ± 0.6292
950
900
850
800
750

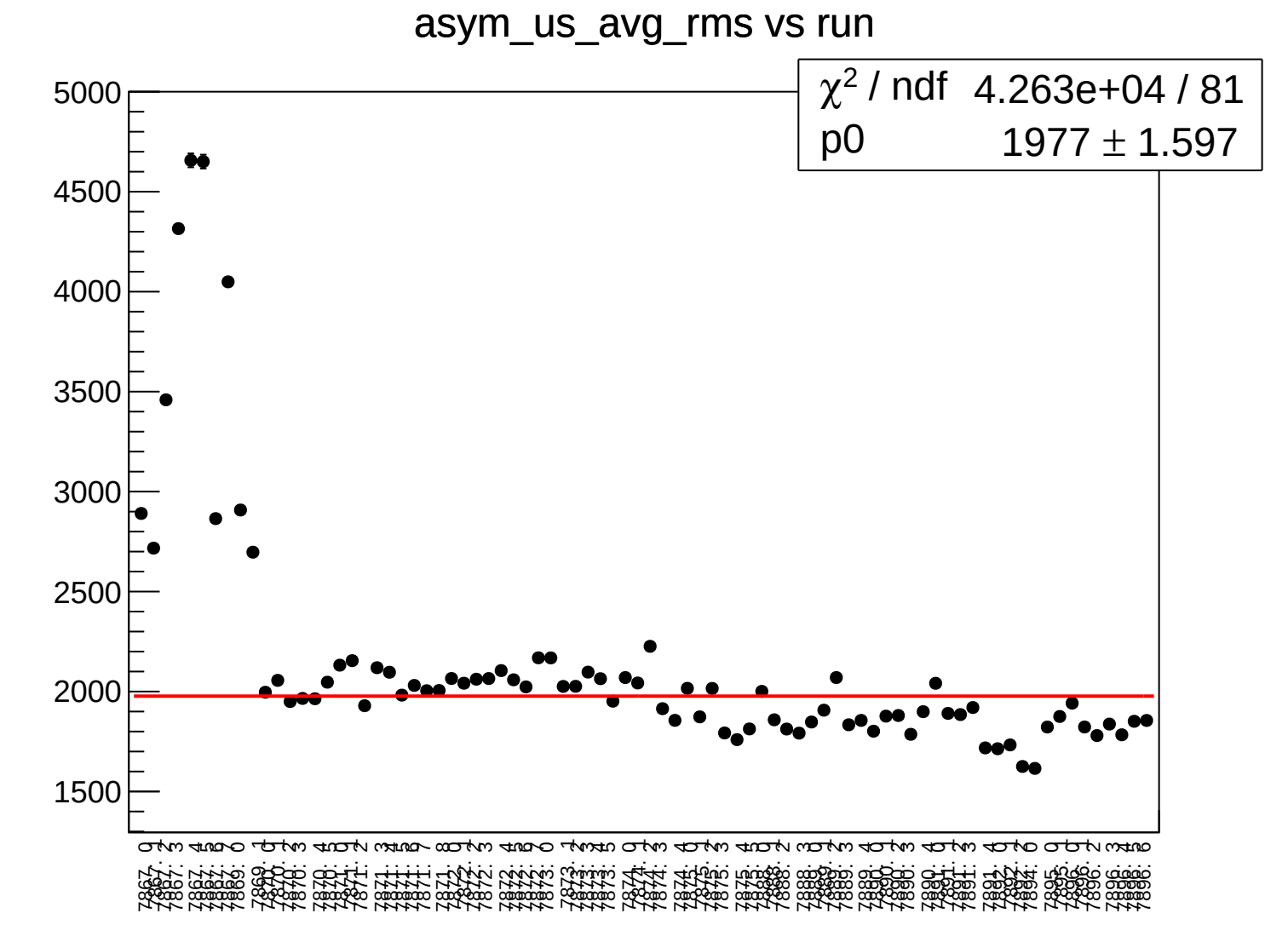

asym_us_avg_correction_mean vs run
χ² / ndf 76.14 / 81
p0 1738 ± 2054
pull
Entries 82
Mean −109.6
Std Dev 143.5

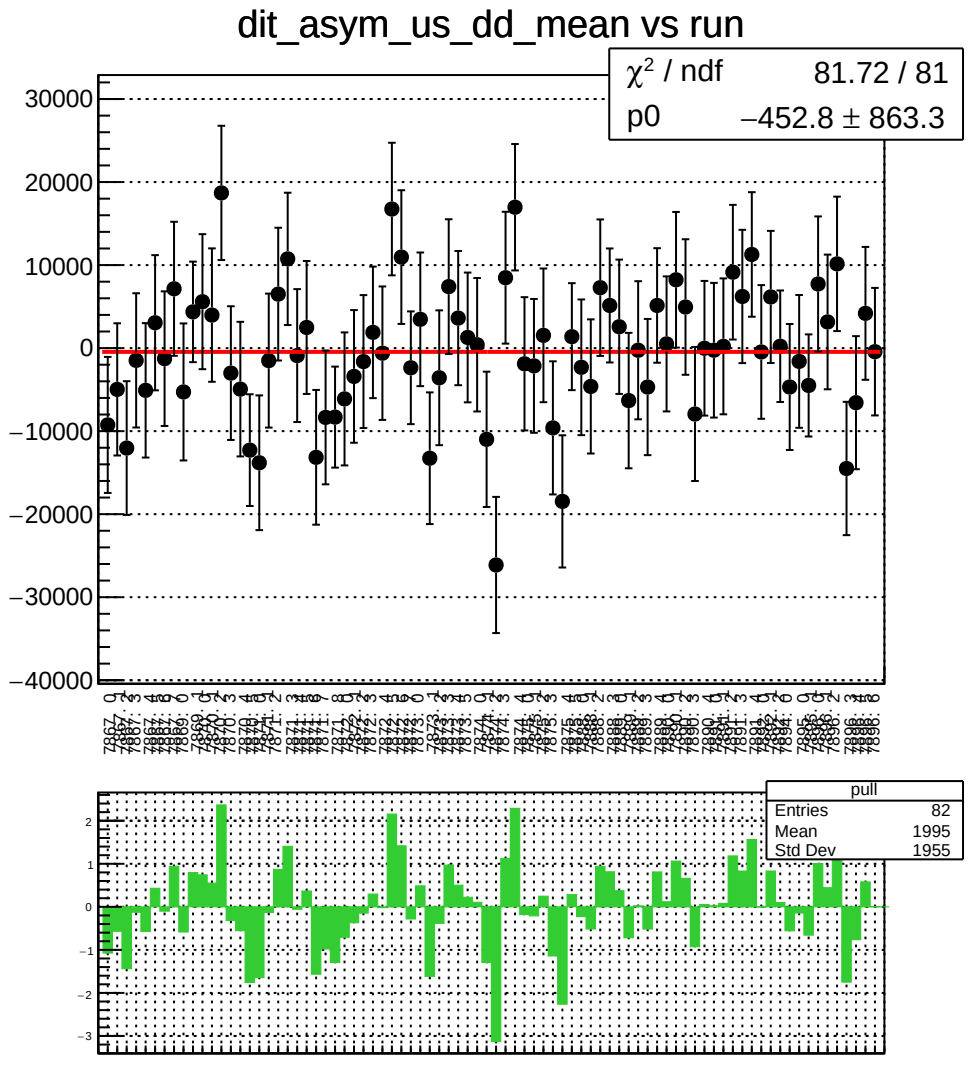

pull1D
Entries 82
Mean 0.02384
Std Dev 0.9633

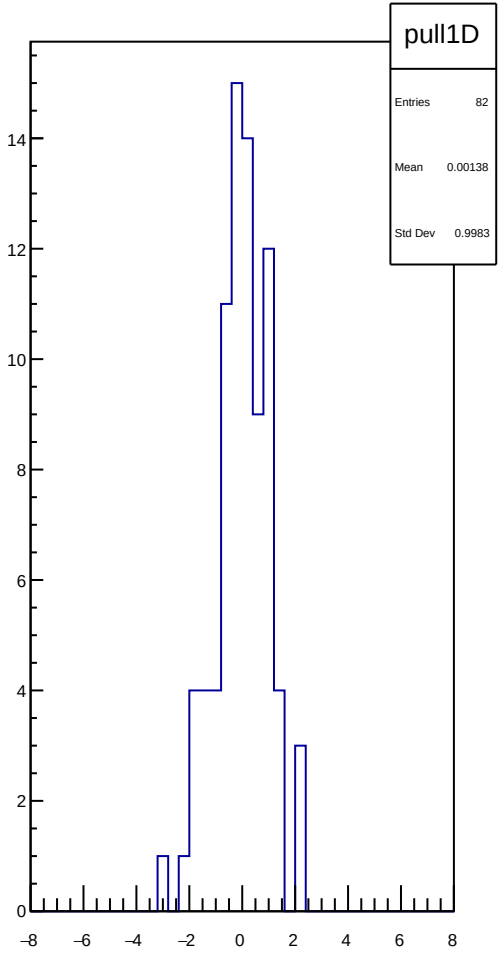

asym_us_avg_correction_rms vs run
χ^2 / ndf 3.778e+04 / 81
p0 1801 ± 1.453
4500
4000
3500
3000
2500
2000
1500

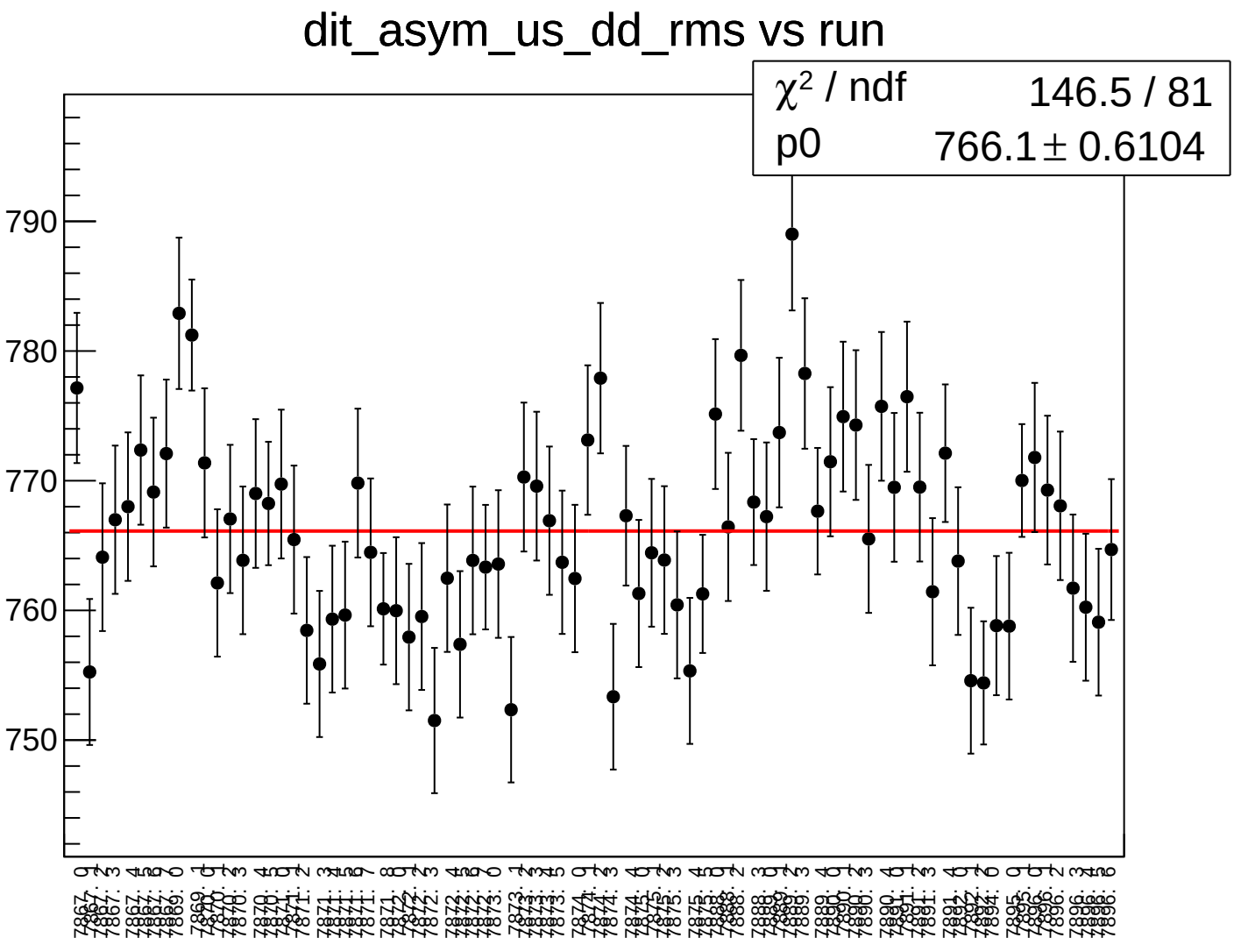

asym_us_avg_mean vs run
χ² / ndf 68.72 / 81
p0 −3019 ± 2258
pull
Entries 82
Mean −121.6
Std Dev 157.9

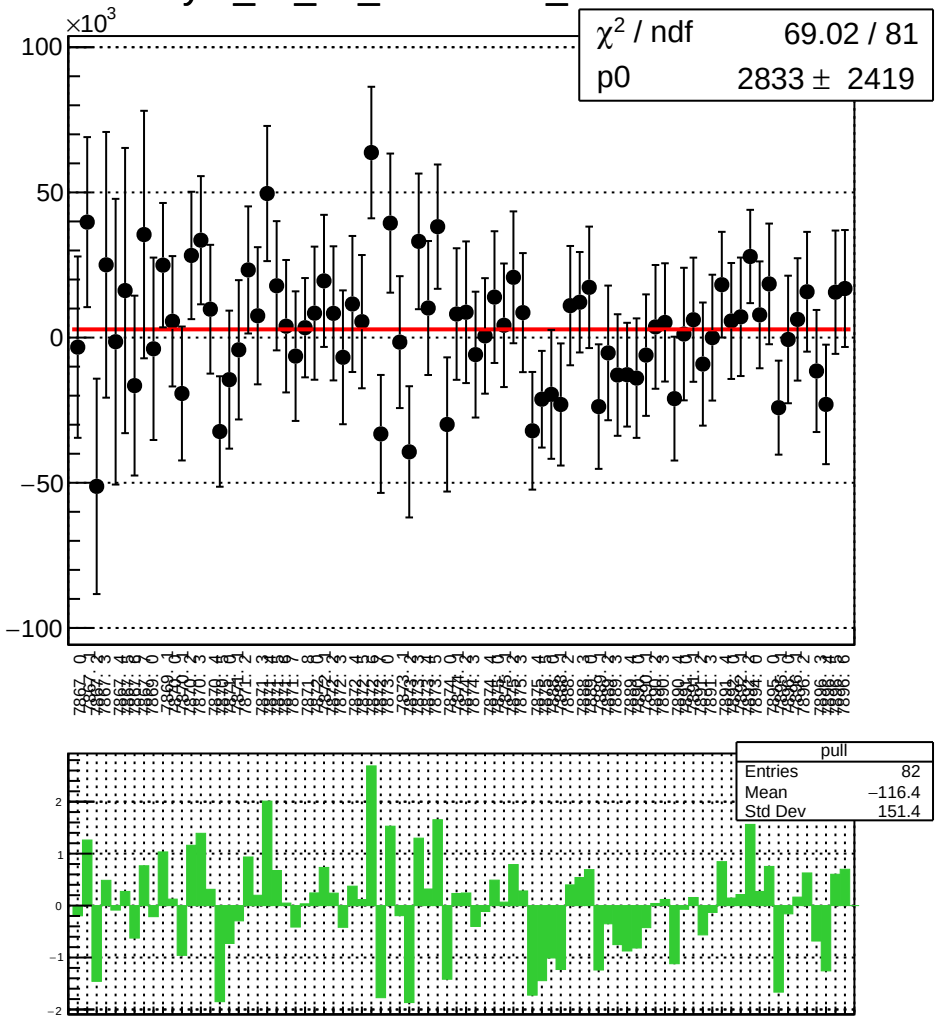

pull1D
Entries 82
Mean −0.02155
Std Dev 0.9152

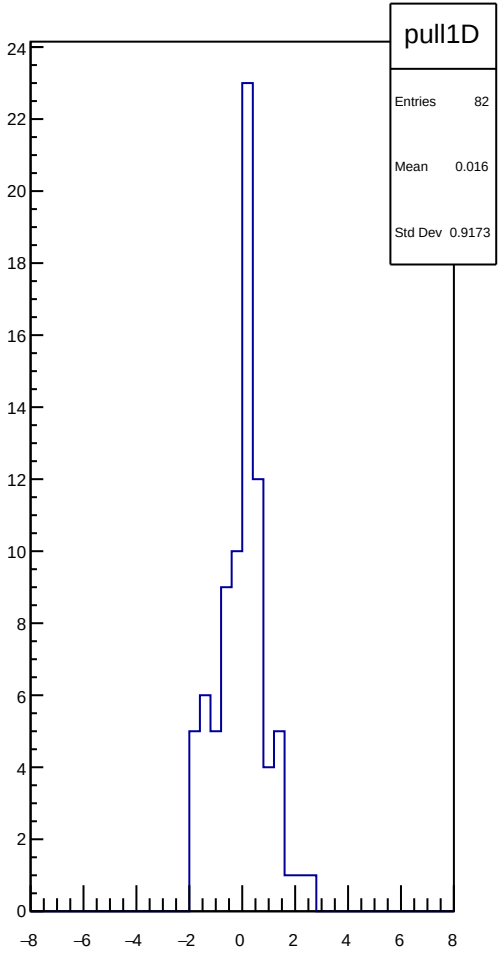

asym_us_avg_rms vs run
χ^2 / ndf 4.263e+04 / 81
p0 1977 ± 1.597
5000
4500
4000
3500
3000
2500
2000
1500

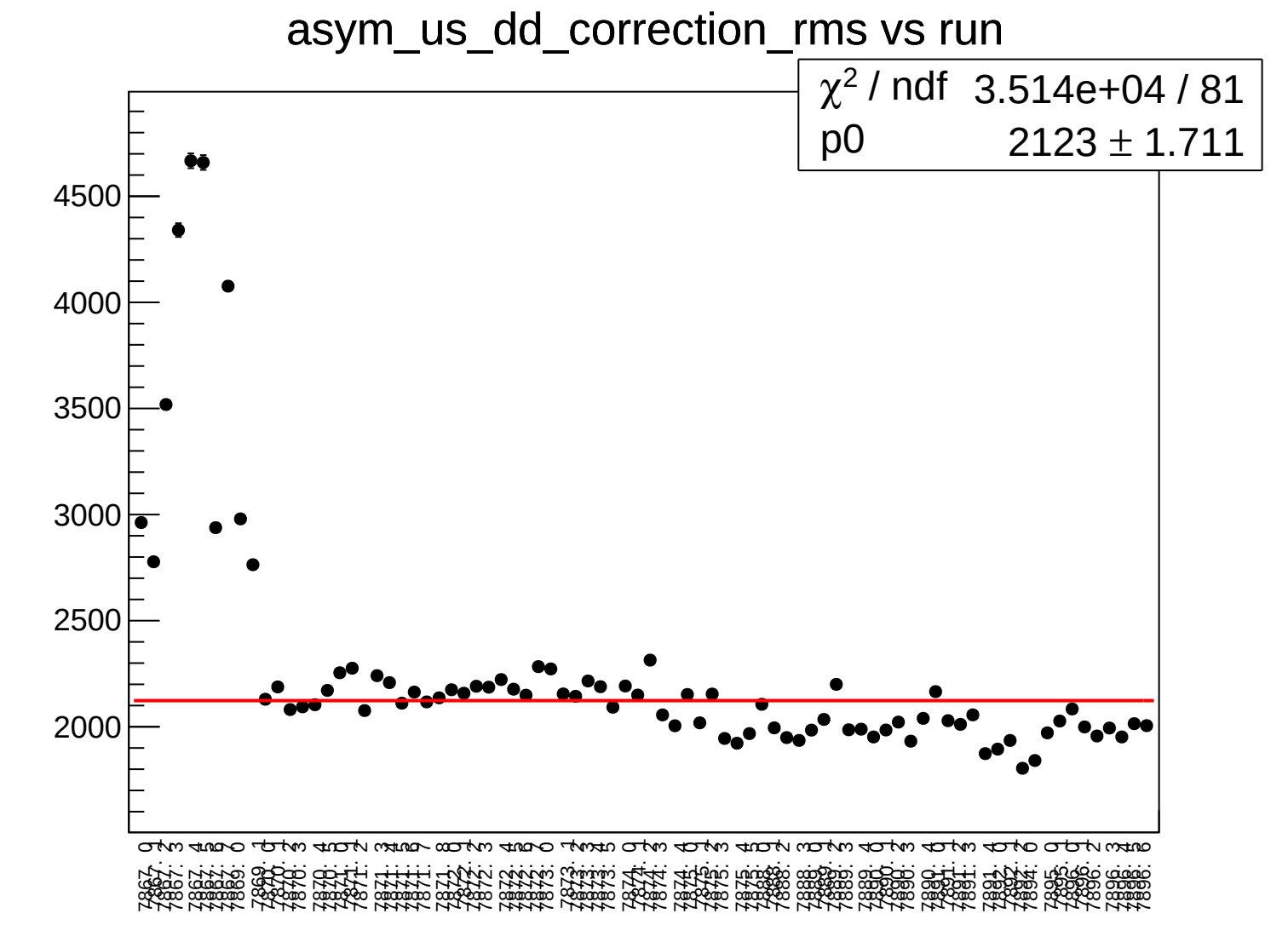

dit_asym_us_dd_mean vs run
χ² / ndf 81.72 / 81
p0 −452.8 ± 863.3
pull
Entries 82
Mean 1995
Std Dev 1955

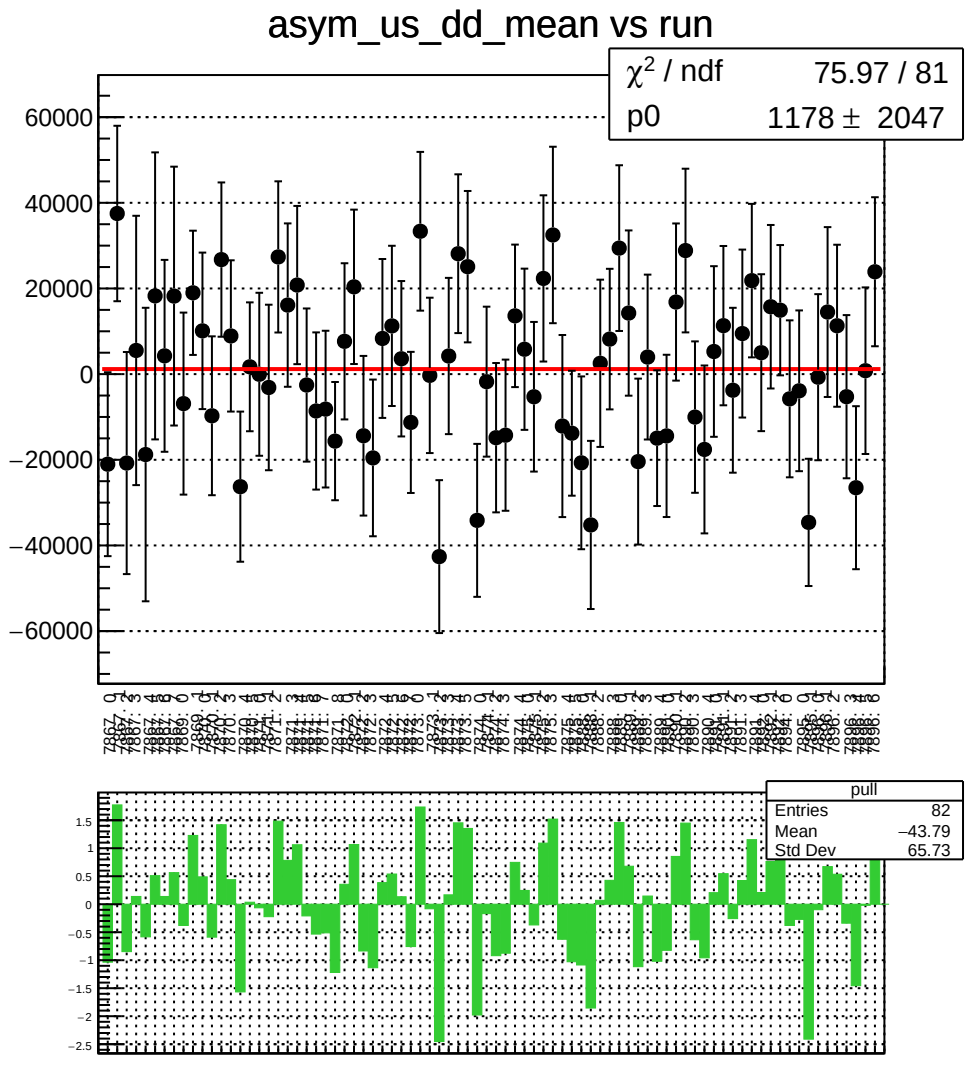

pull1D
Entries 82
Mean 0.00138
Std Dev 0.9983

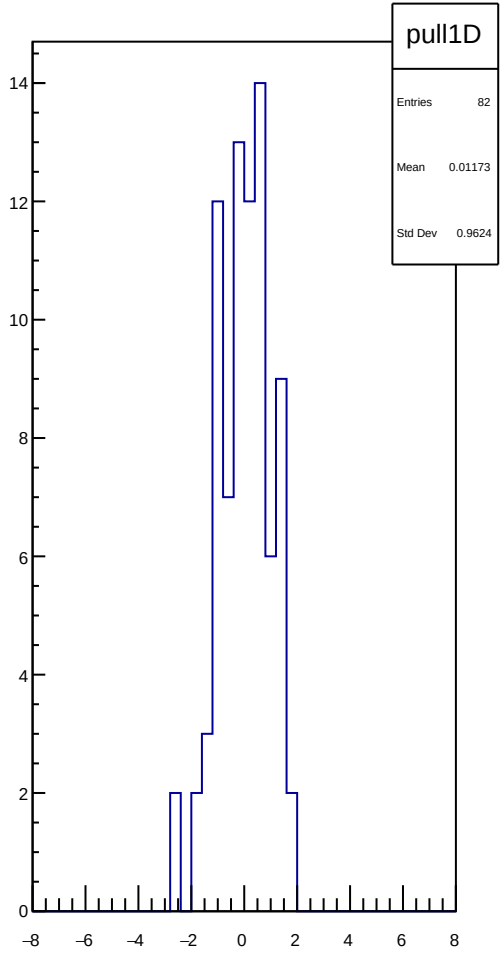

dit_asym_us_dd_rms vs run
χ² / ndf 146.5 / 81
p0 766.1 ± 0.6104
790
780
770
760
750

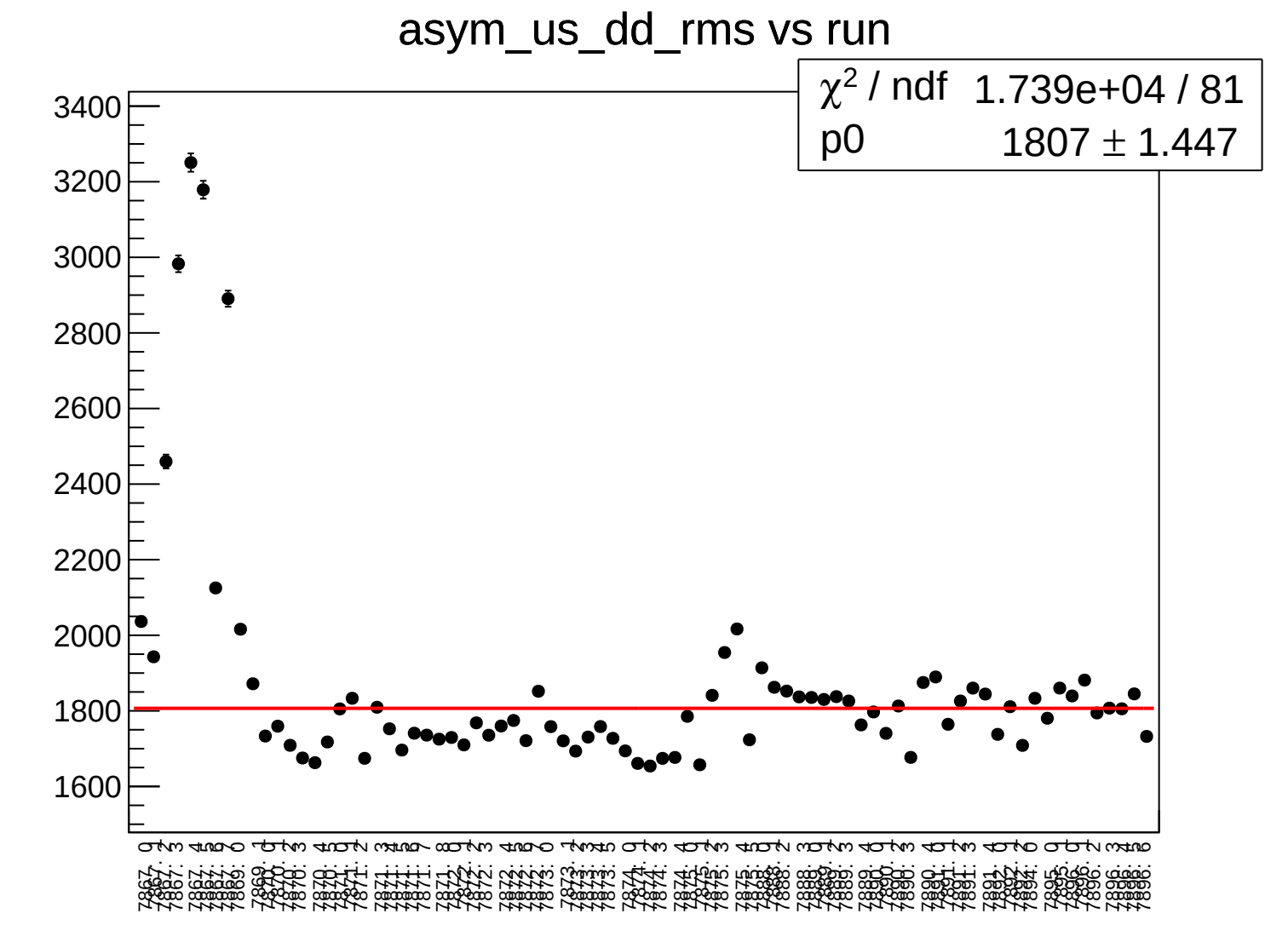

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 69.02 / 81
p0 2833 ± 2419
pull
Entries 82
Mean −116.4
Std Dev 151.4

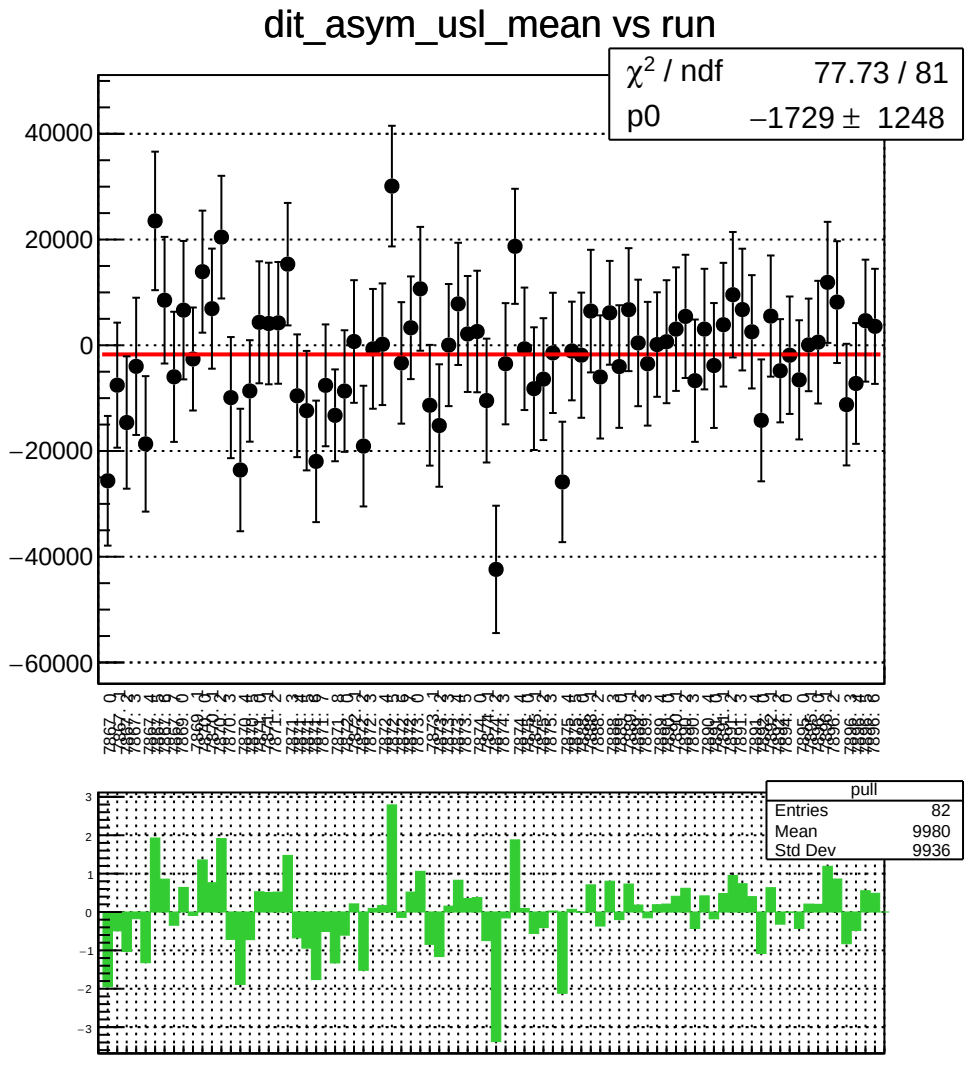

pull1D
Entries 82
Mean 0.016
Std Dev 0.9173

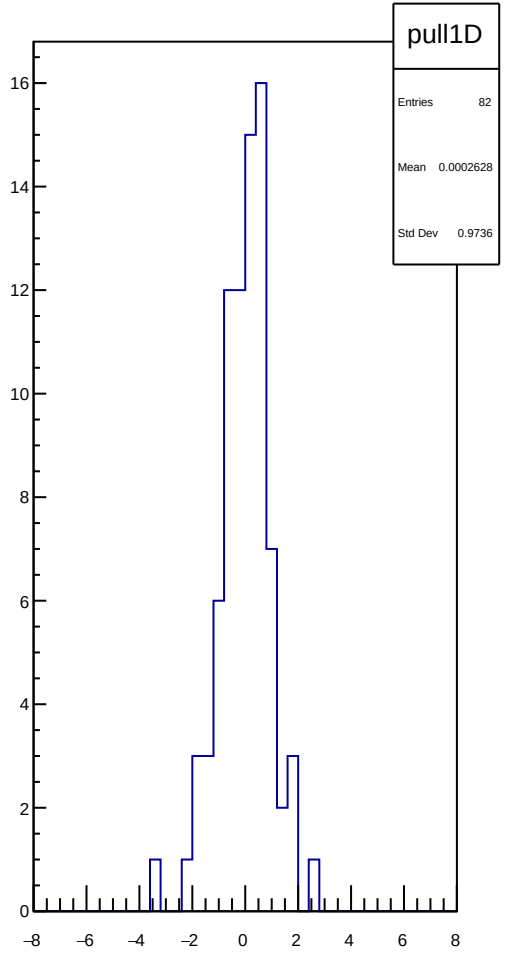

asym_us_dd_correction_rms vs run
χ² / ndf 3.514e+04 / 81
p0 2123 ± 1.711
4500
4000
3500
3000
2500
2000

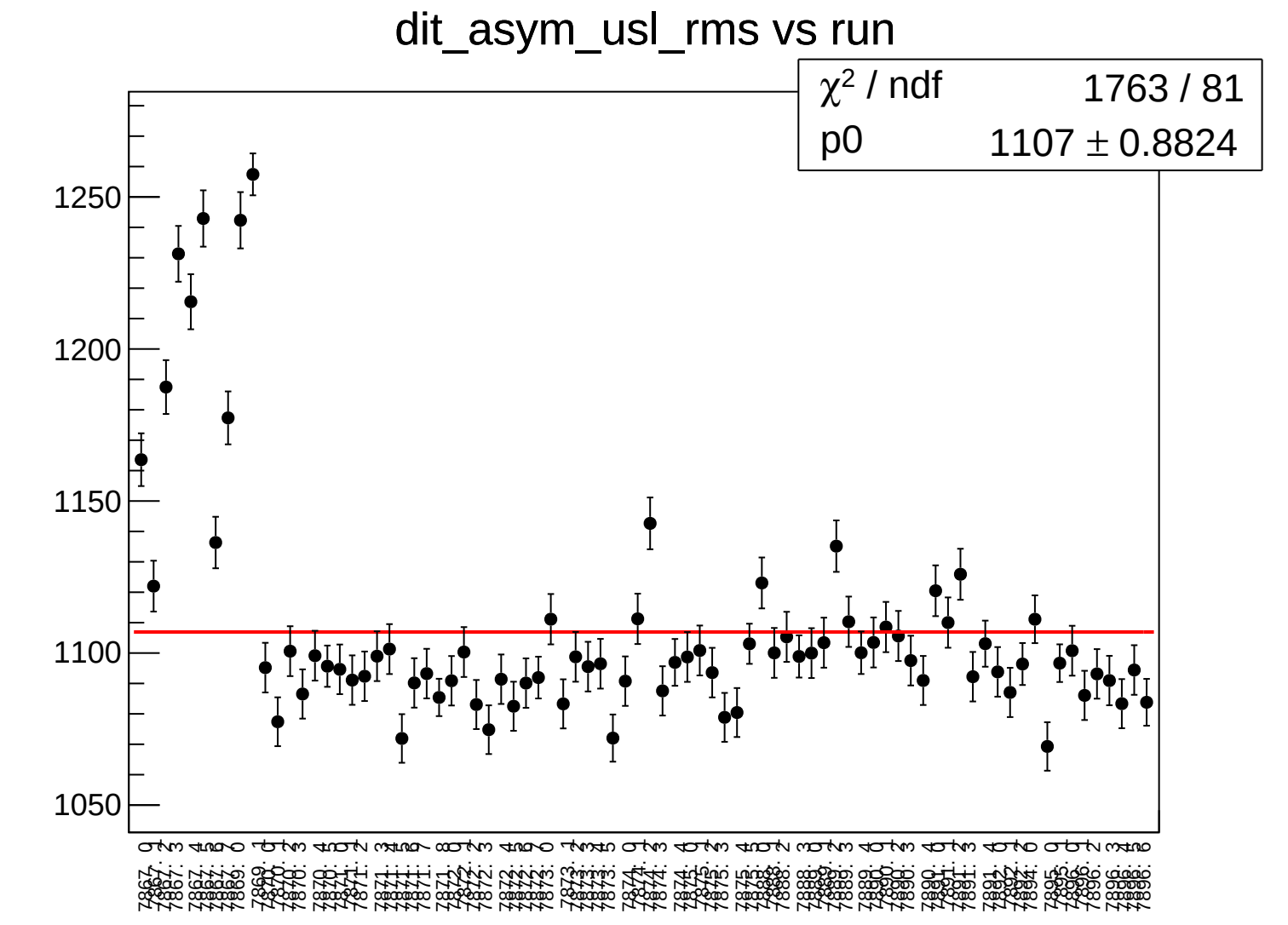

asym_us_dd_mean vs run
χ² / ndf 75.97 / 81
p0 1178 ± 2047
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −43.79
Std Dev 65.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

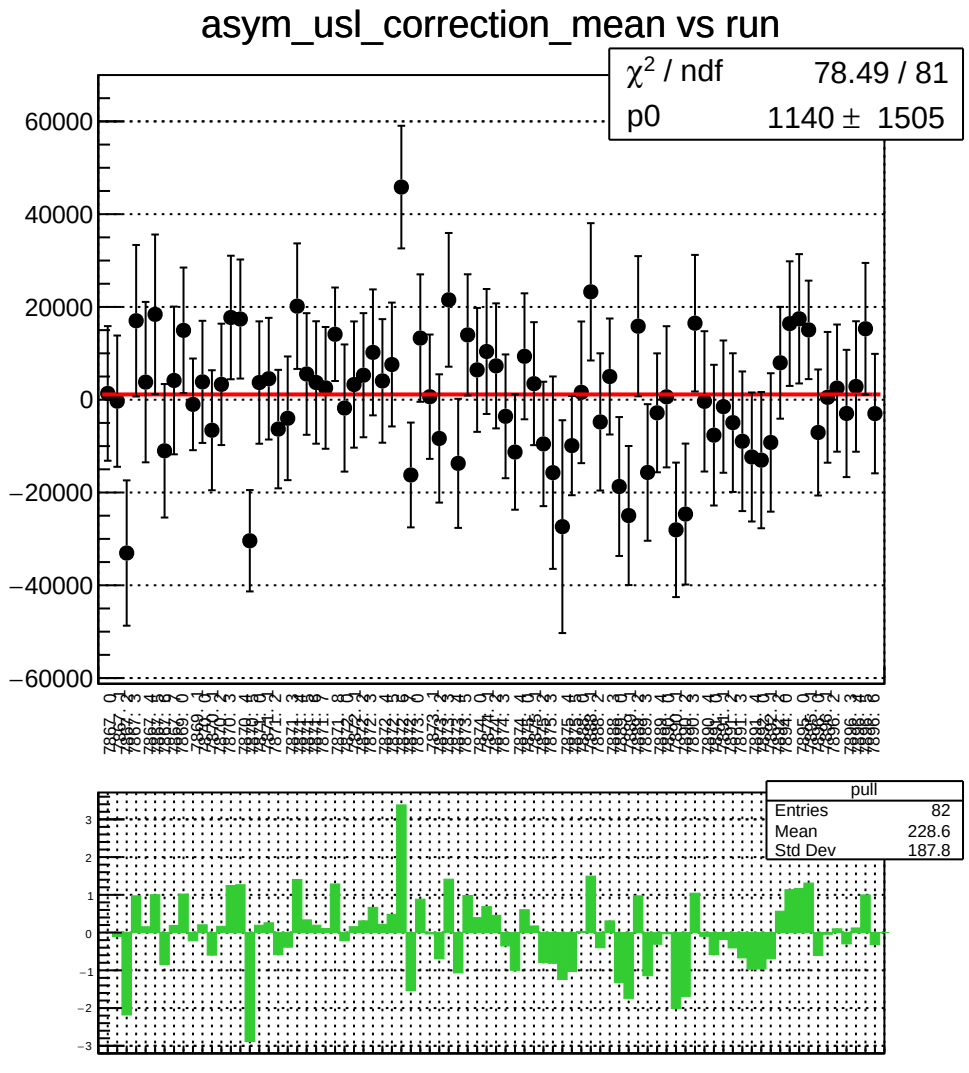

pull1D
Entries 82
Mean 0.01173
Std Dev 0.9624
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

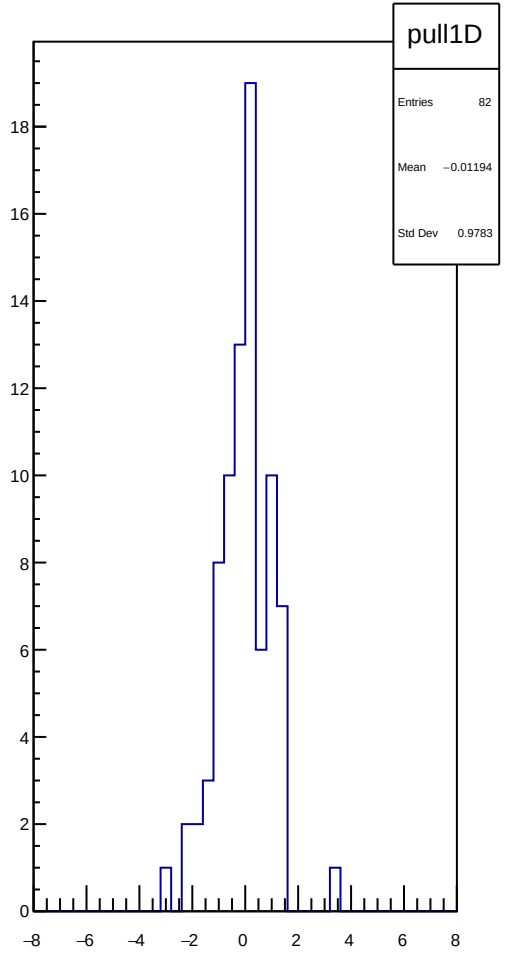

asym_us_dd_rms vs run
χ² / ndf 1.739e+04 / 81
p0 1807 ± 1.447
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

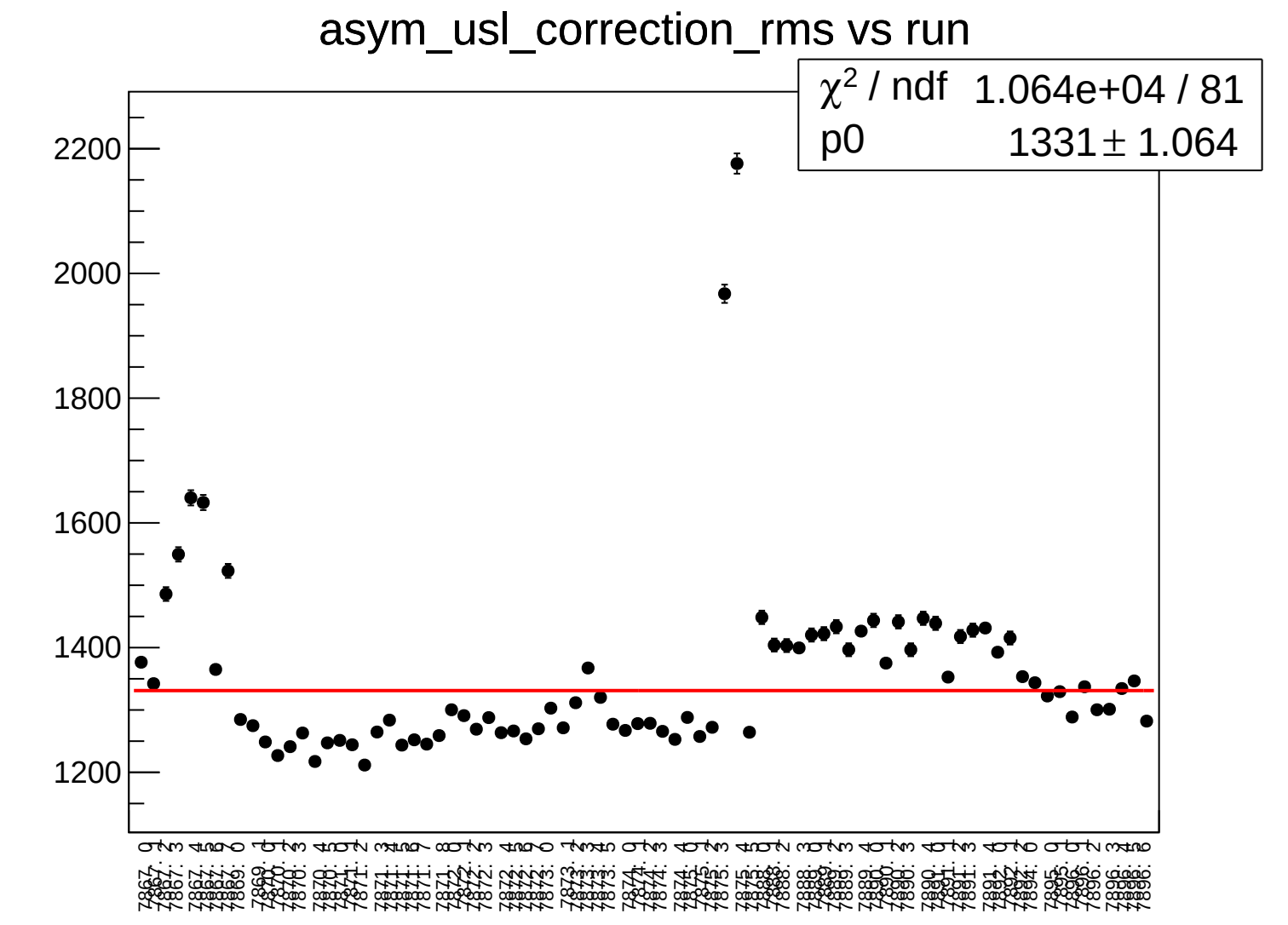

dit_asym_usl_mean vs run
χ² / ndf 77.73 / 81
p0 −1729 ± 1248
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 9980
Std Dev 9936
3
2
1
0
−1
−2
−3

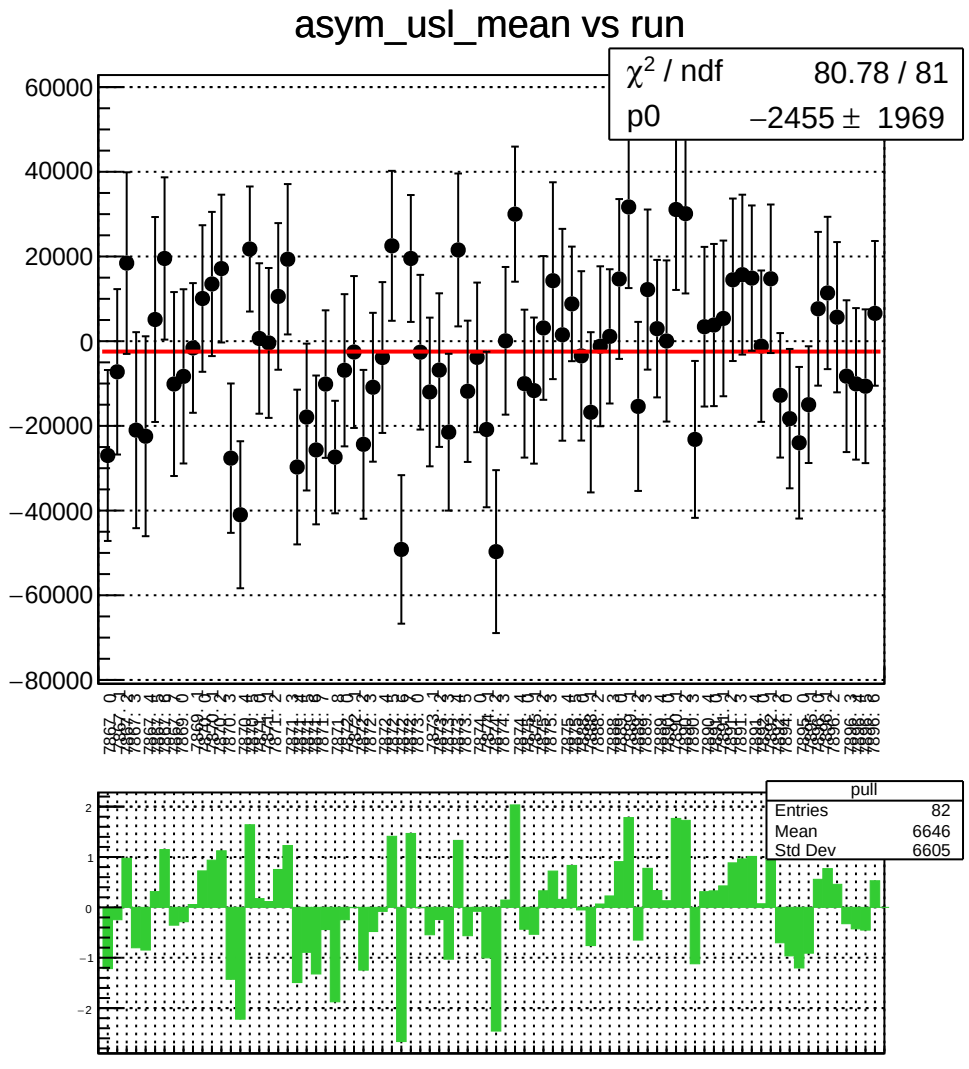

pull1D
Entries 82
Mean 0.0002628
Std Dev 0.9736
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

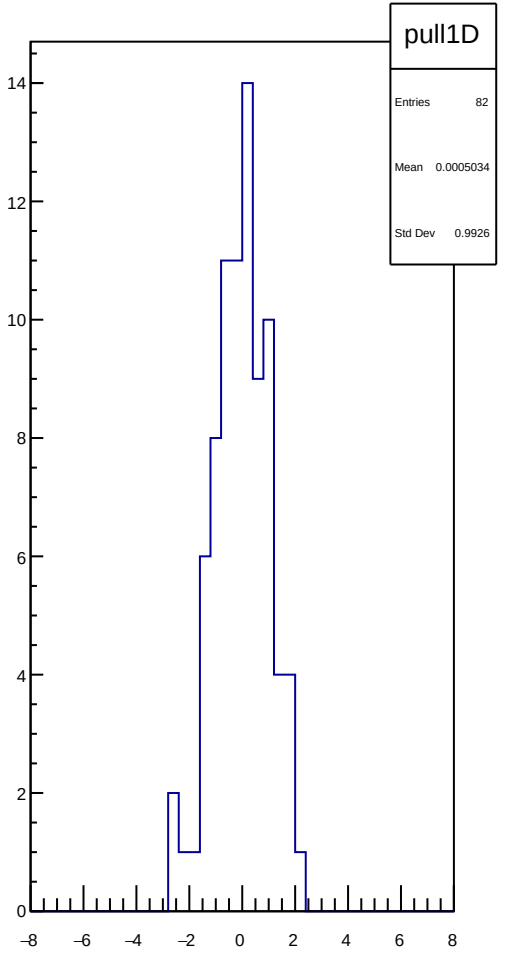

dit_asym_usl_rms vs run
χ² / ndf 1763 / 81
p0 1107 ± 0.8824
1250
1200
1150
1100
1050

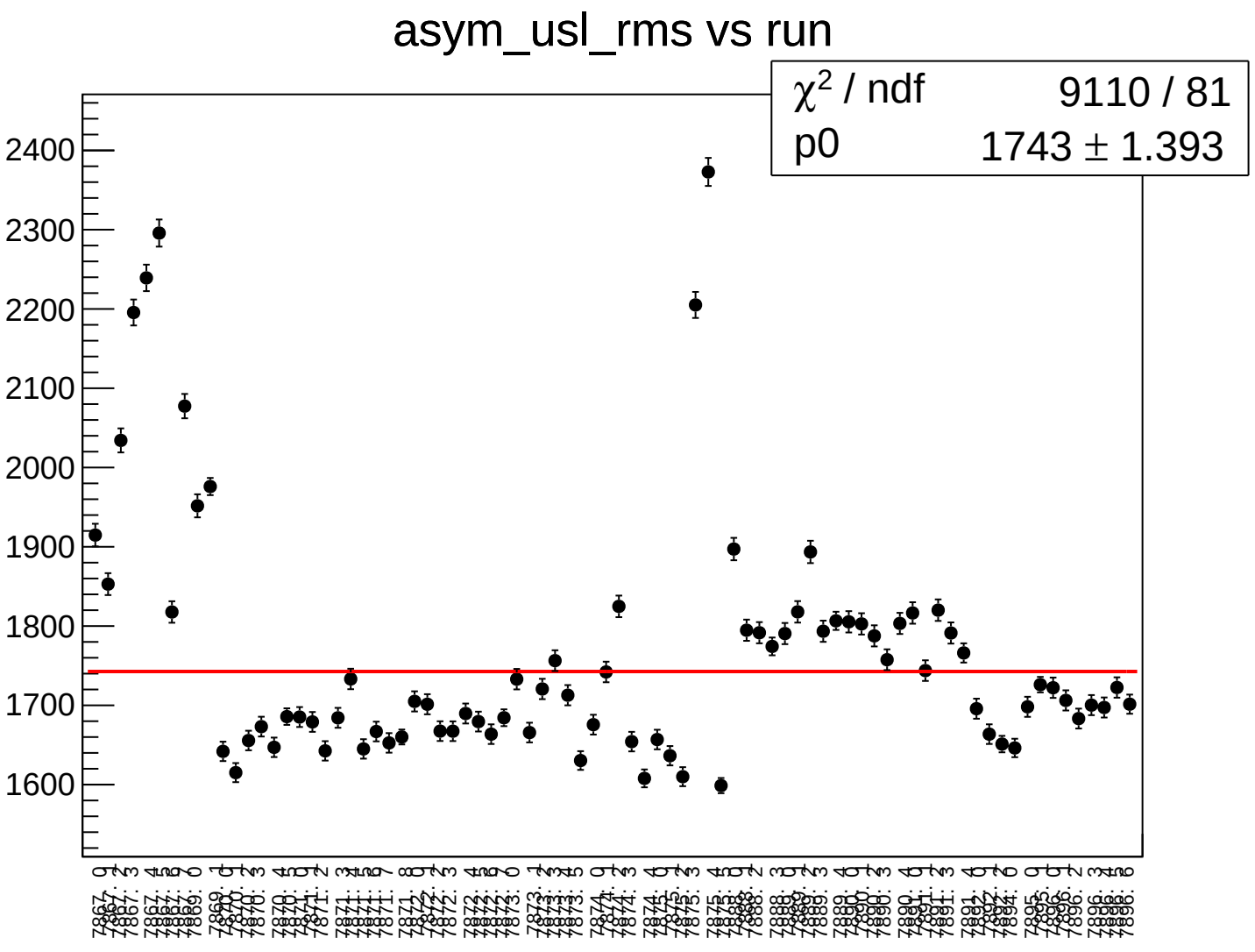

asym_usl_correction_mean vs run
χ² / ndf 78.49 / 81
p0 1140 ± 1505
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 228.6
Std Dev 187.8
3
2
1
0
−1
−2
−3

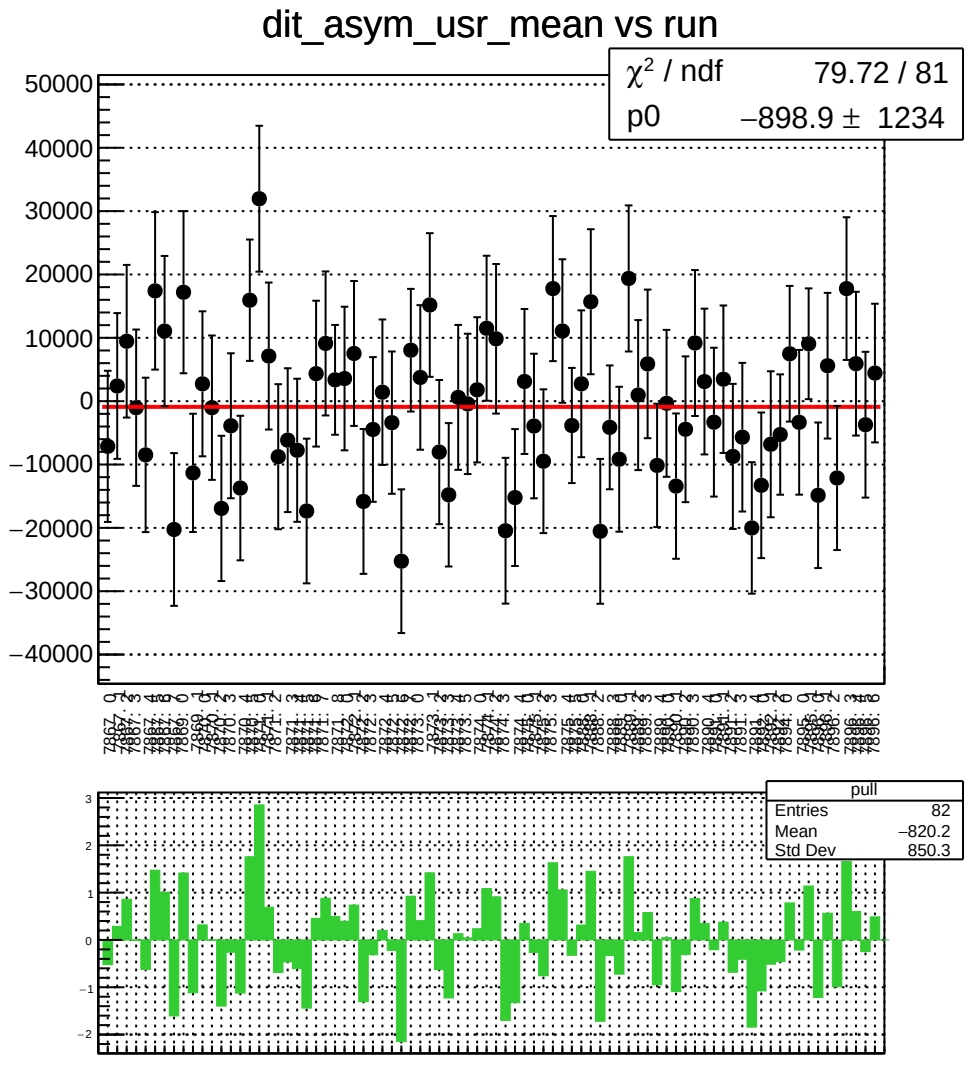

pull1D
Entries 82
Mean −0.01194
Std Dev 0.9783
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

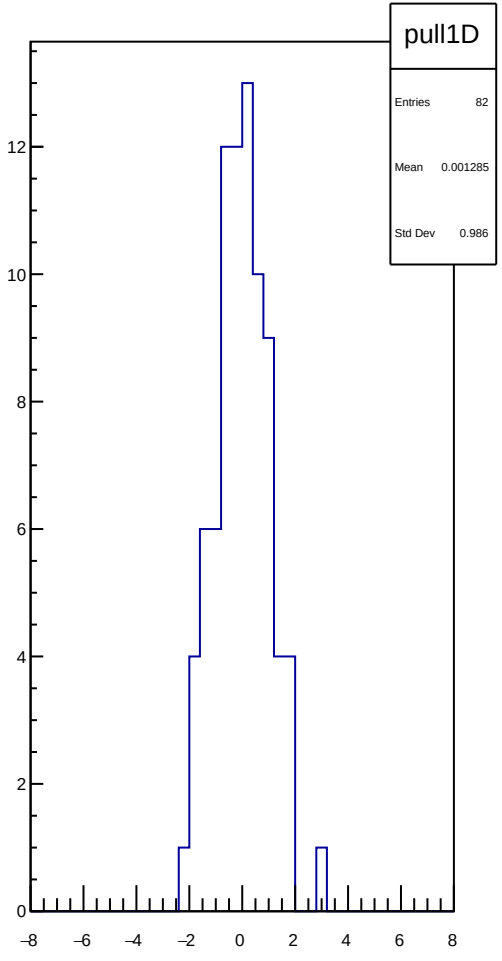

asym_usl_correction_rms vs run
χ² / ndf 1.064e+04 / 81
p0 1331 ± 1.064
2200
2000
1800
1600
1400
1200

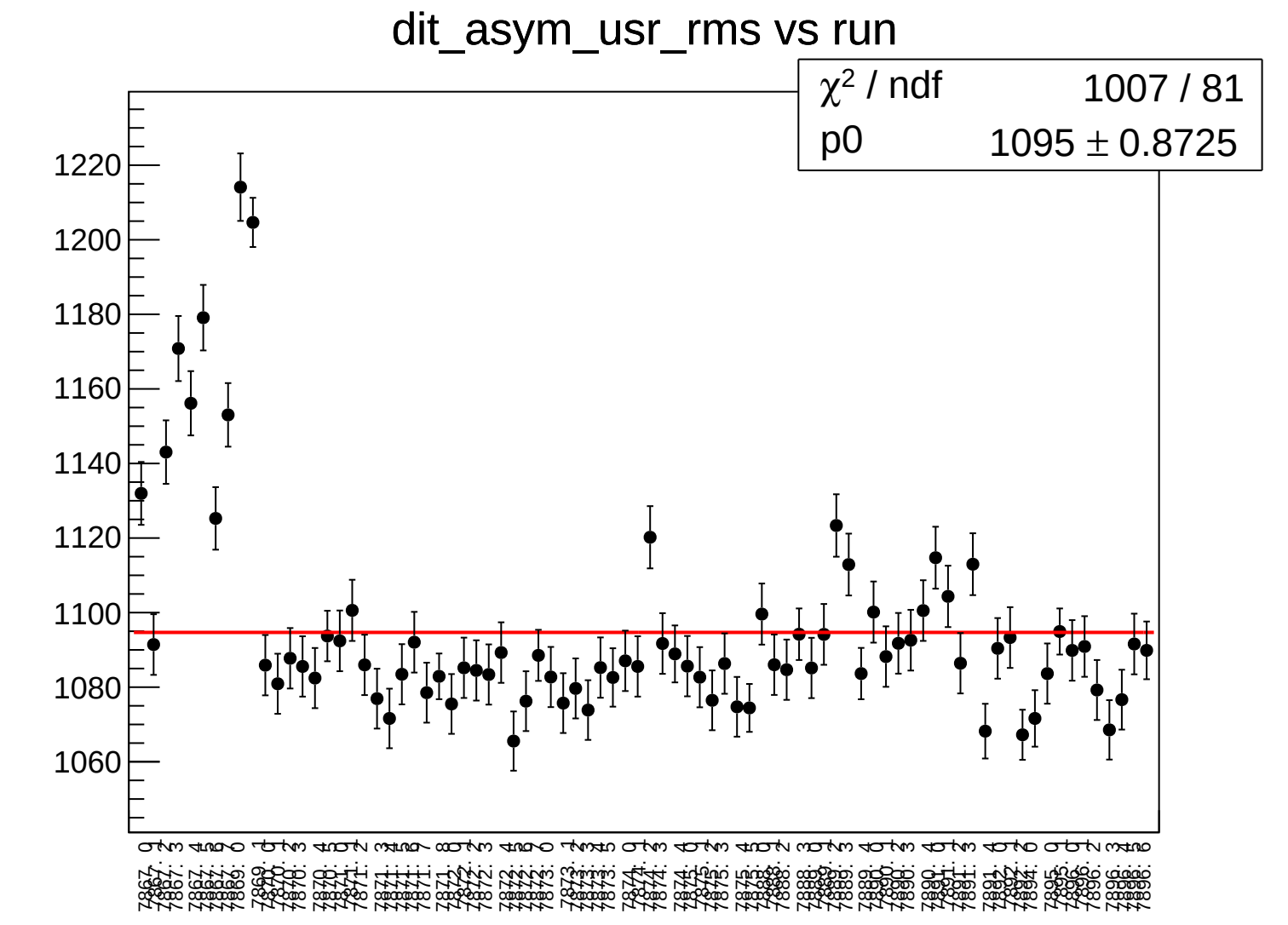

asym_usl_mean vs run
χ² / ndf 80.78 / 81
p0 −2455 ± 1969
pull
Entries 82
Mean 6646
Std Dev 6605

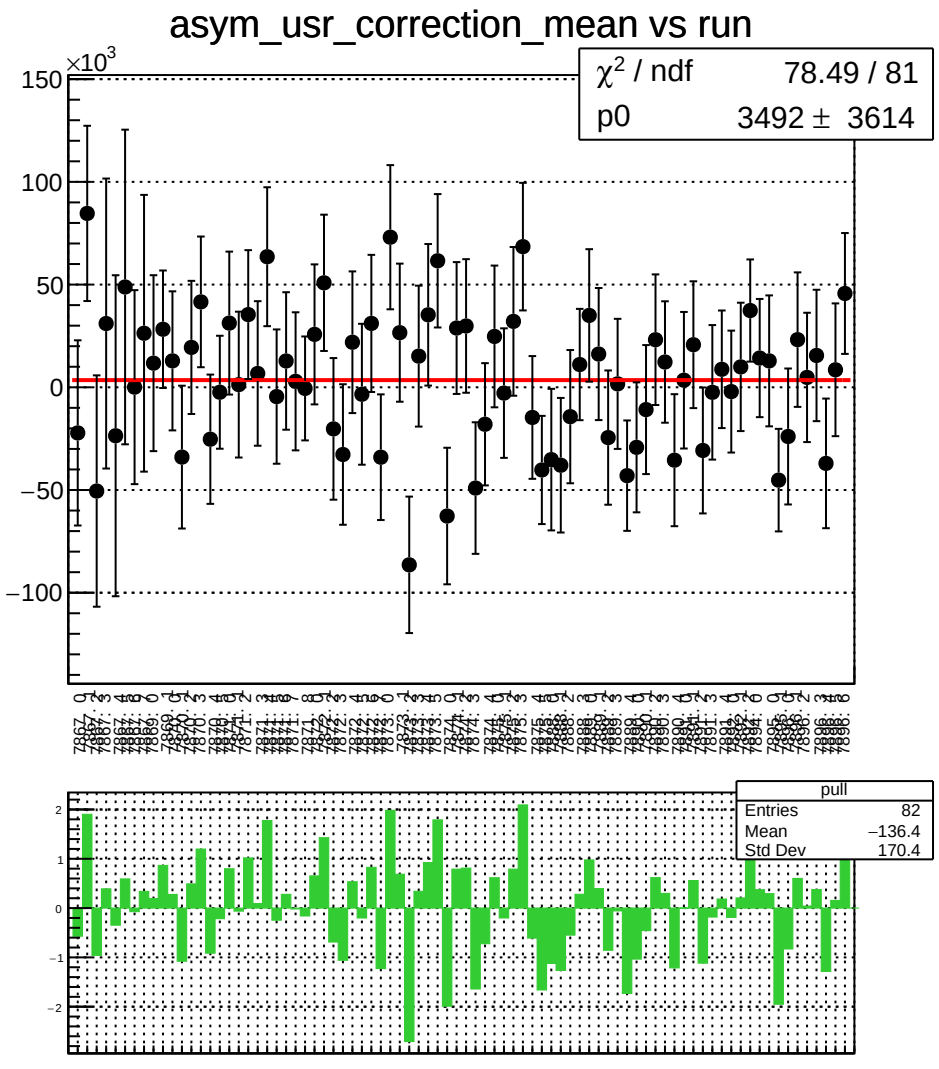

pull1D
Entries 82
Mean 0.0005034
Std Dev 0.9926

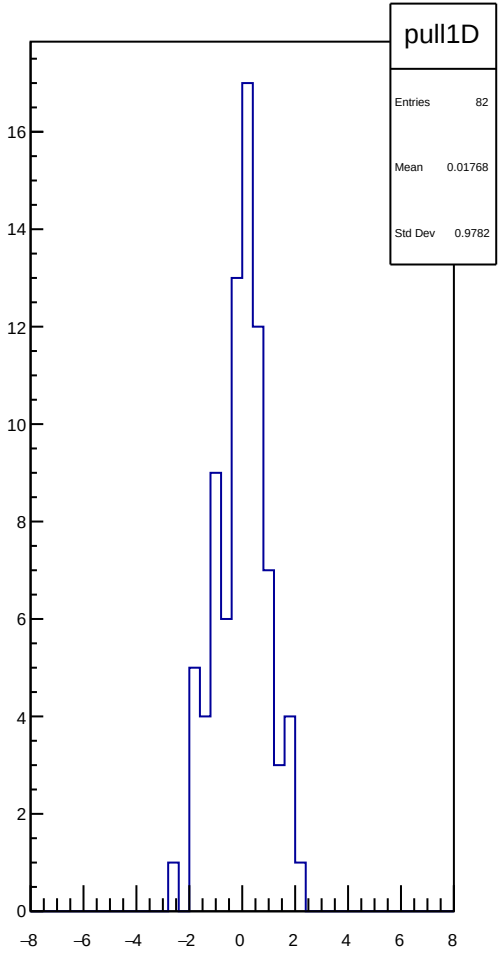

asym_usl_rms vs run
χ^2 / ndf 9110 / 81
p0 1743 ± 1.393
2400
2300
2200
2100
2000
1900
1800
1700
1600

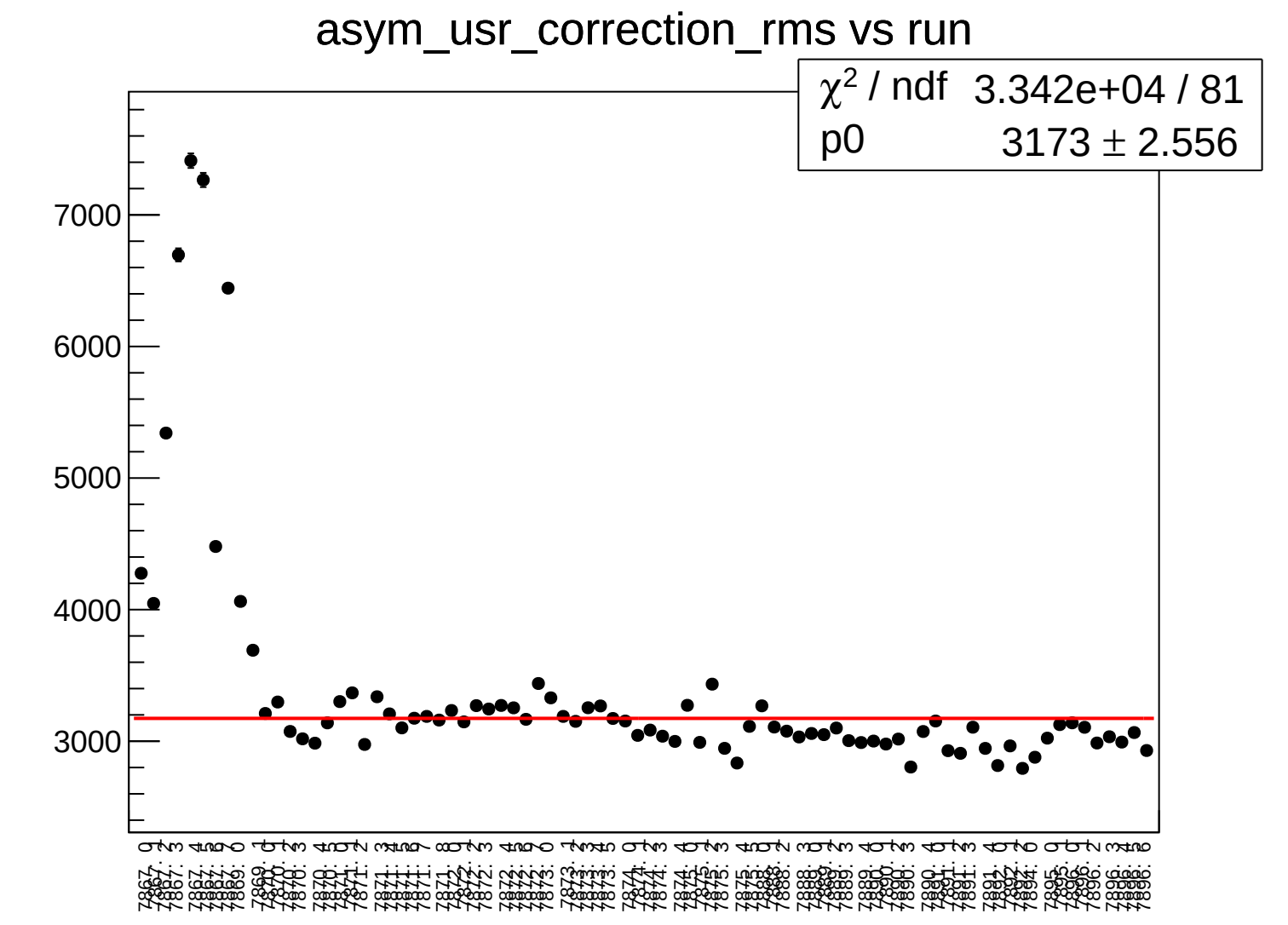

dit_asym_usr_mean vs run
χ² / ndf 79.72 / 81
p0 −898.9 ± 1234
pull
Entries 82
Mean −820.2
Std Dev 850.3

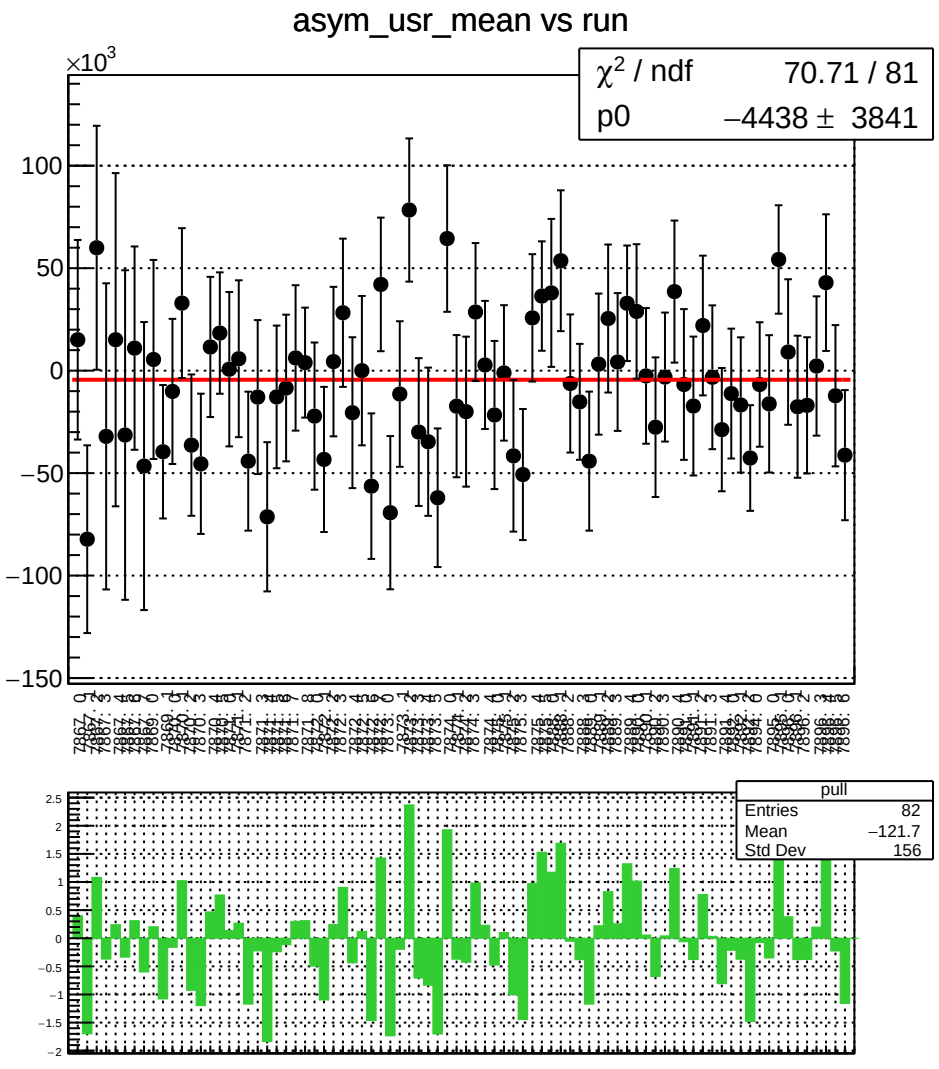

pull1D
Entries 82
Mean 0.001285
Std Dev 0.986

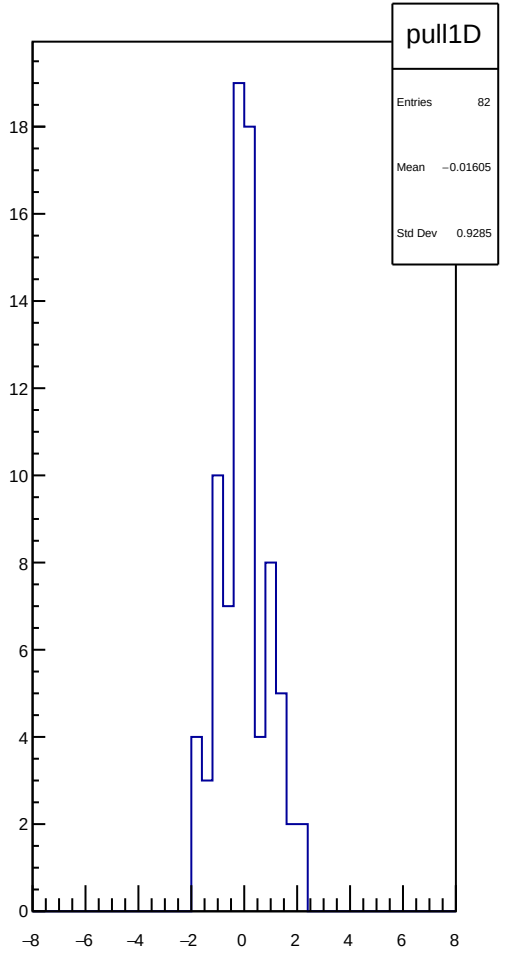

dit_asym_usr_rms vs run
χ² / ndf 1007 / 81
p0 1095 ± 0.8725
1220
1200
1180
1160
1140
1120
1100
1080
1060

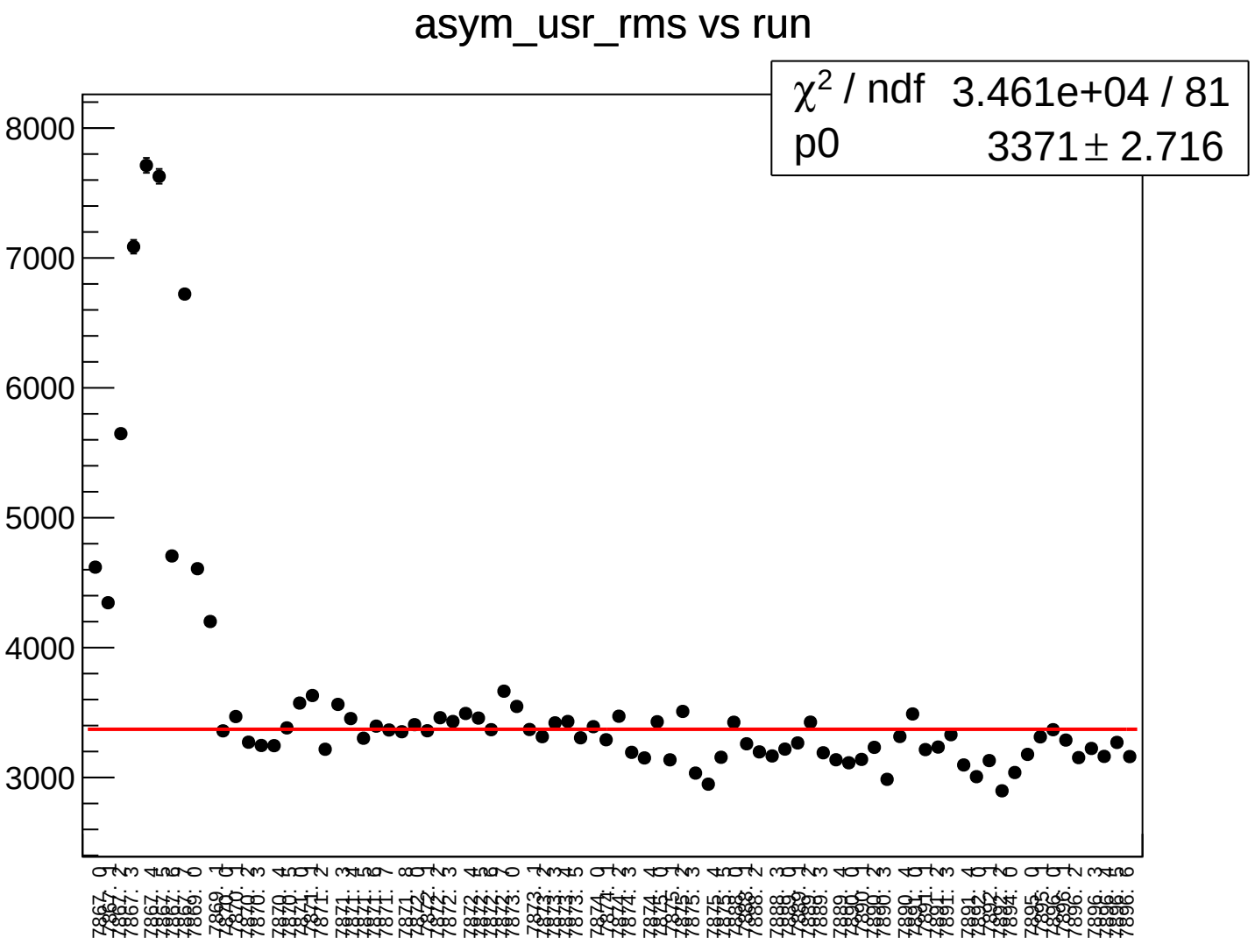

asym_usr_correction_mean vs run
×10^3
χ² / ndf 78.49 / 81
p0 3492 ± 3614
150
100
50
0
−50
−100
pull
Entries 82
Mean −136.4
Std Dev 170.4
2
1
0
−1
−2

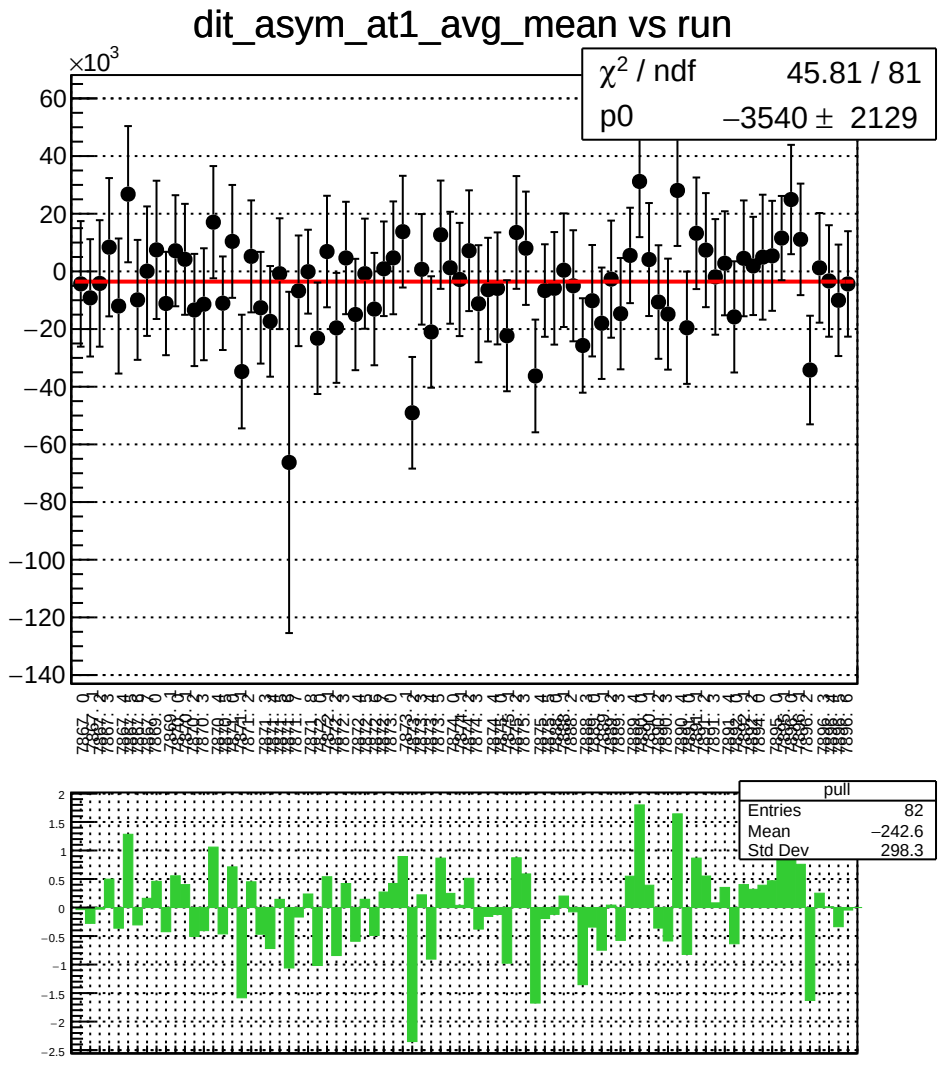

pull1D
Entries 82
Mean 0.01768
Std Dev 0.9782
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

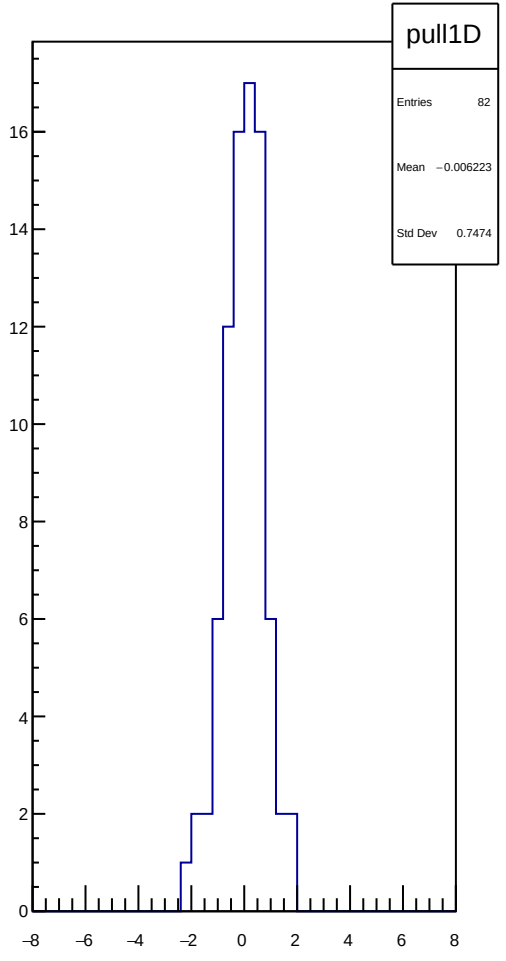

asym_usr_correction_rms vs run
χ² / ndf 3.342e+04 / 81
p0 3173 ± 2.556
7000
6000
5000
4000
3000

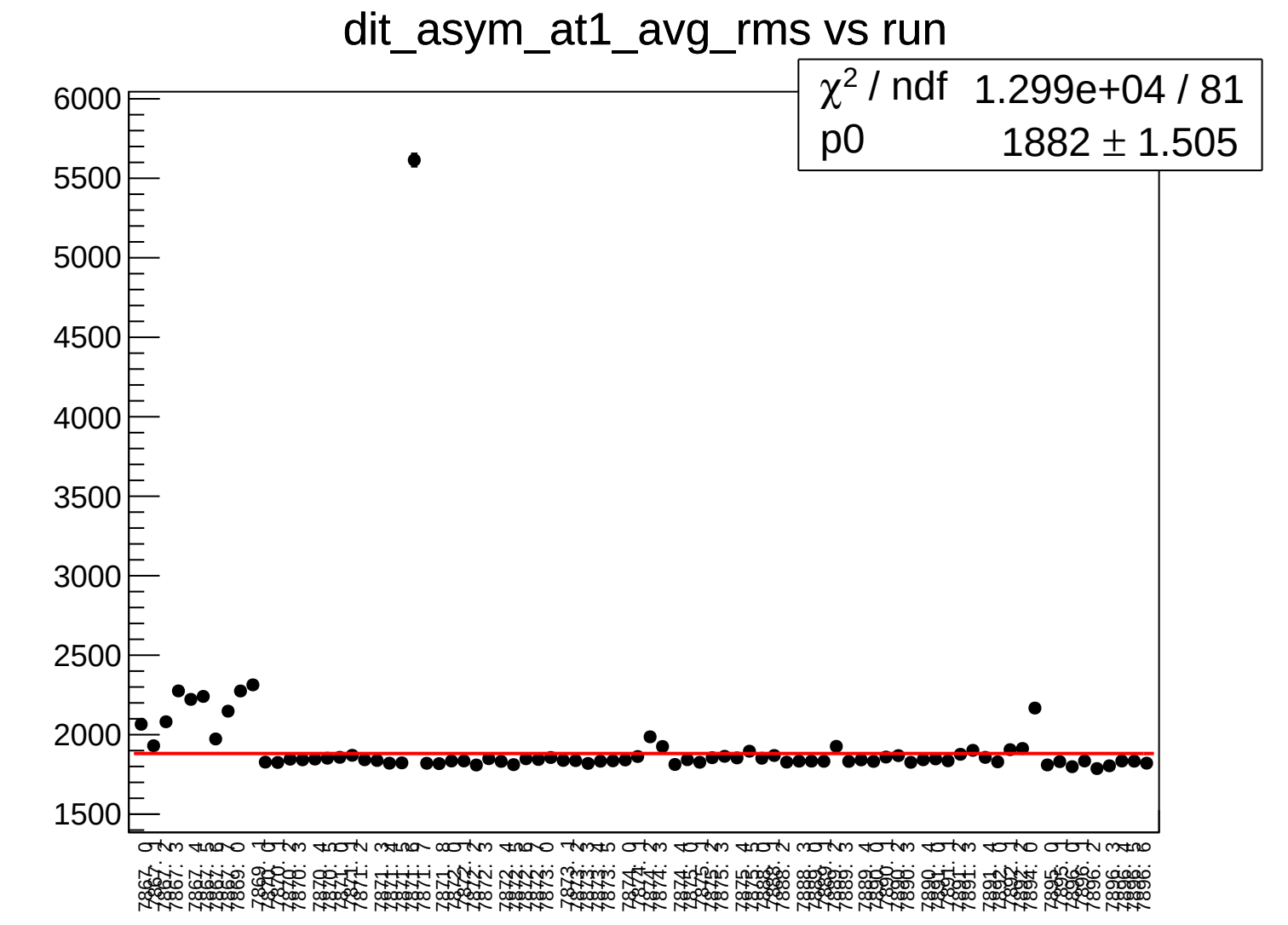

asym_usr_mean vs run
×10^3
χ² / ndf 70.71 / 81
p0 −4438 ± 3841
100
50
0
−50
−100
−150
pull
Entries 82
Mean −121.7
Std Dev 156
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

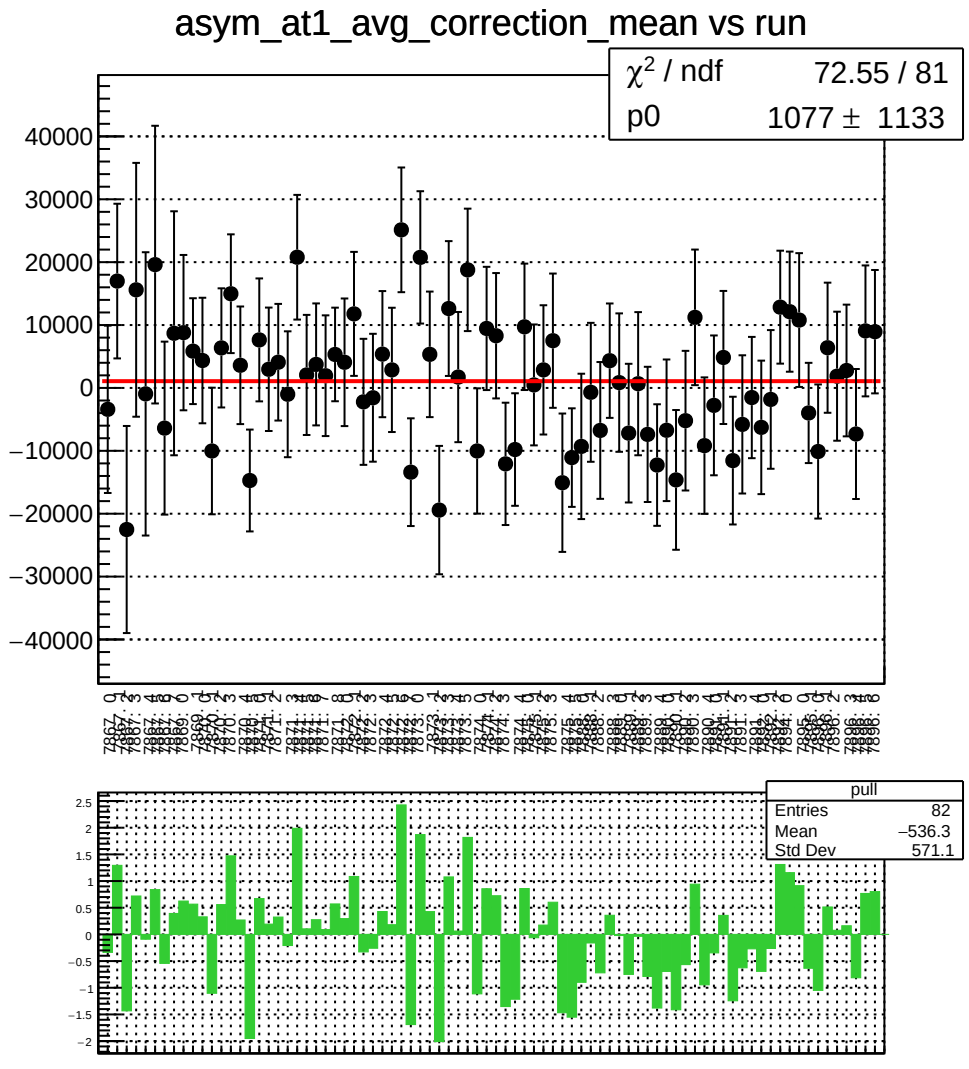

pull1D
Entries 82
Mean −0.01605
Std Dev 0.9285
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

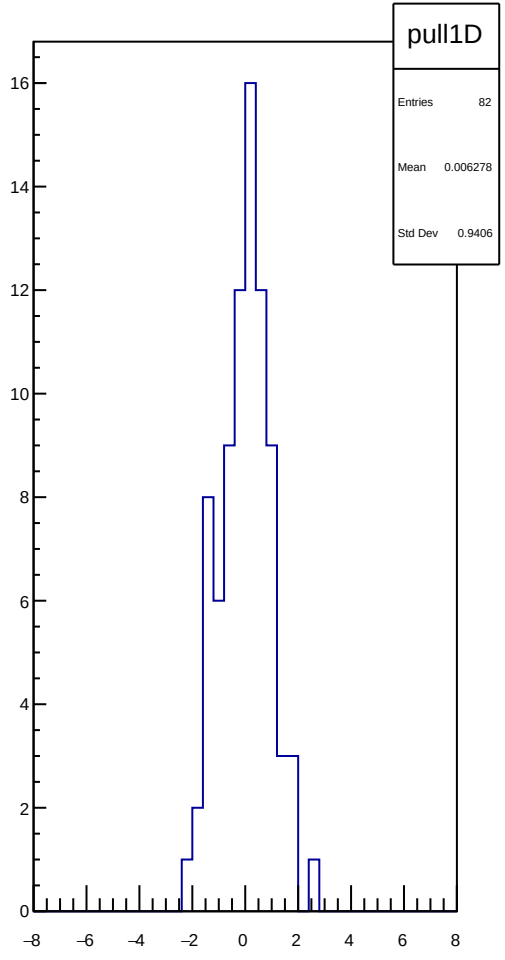

asym_usr_rms vs run
χ² / ndf 3.461e+04 / 81
p0 3371 ± 2.716
8000
7000
6000
5000
4000
3000

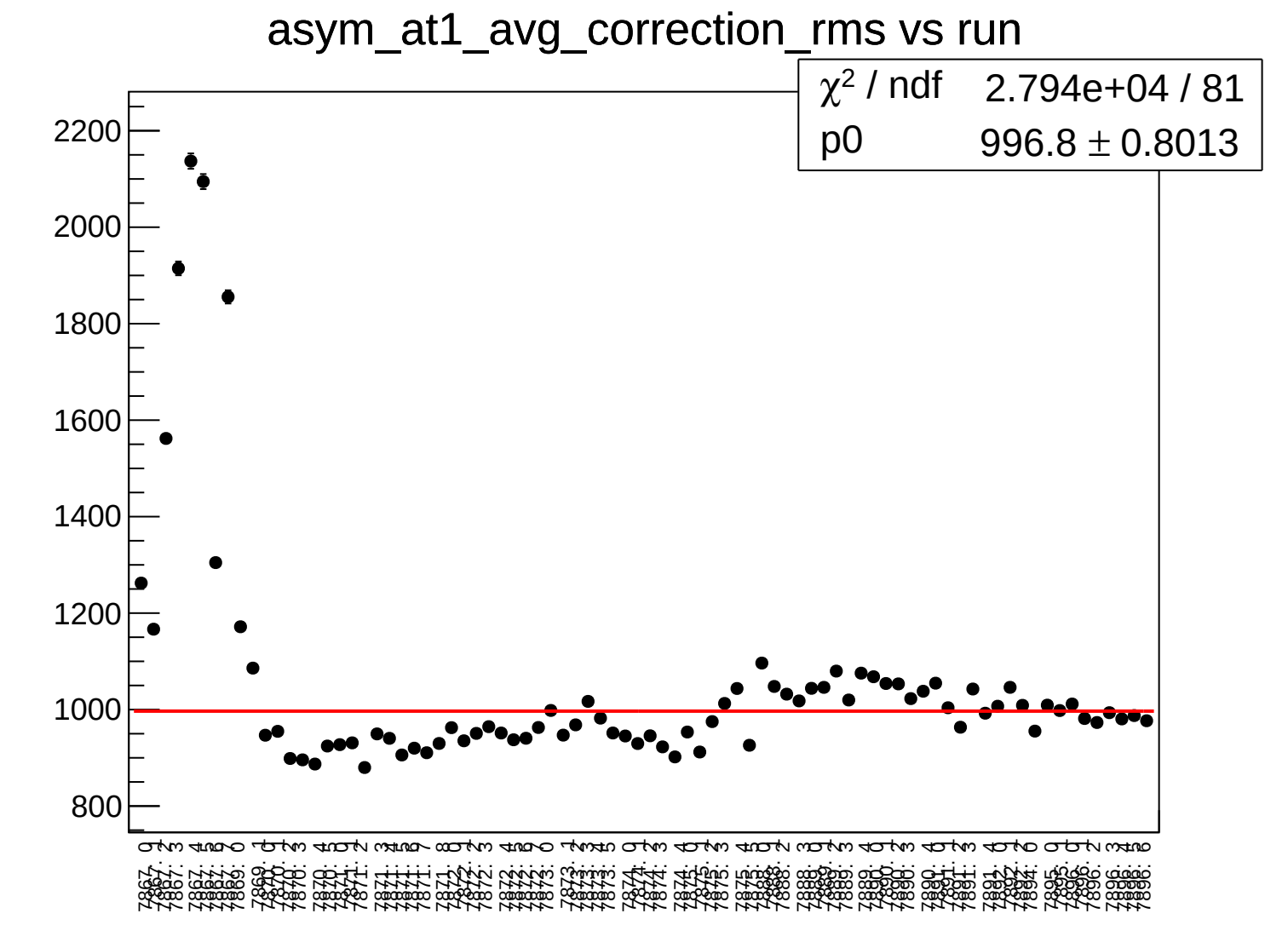

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 45.81 / 81
p0 −3540 ± 2129
pull
Entries 82
Mean −242.6
Std Dev 298.3

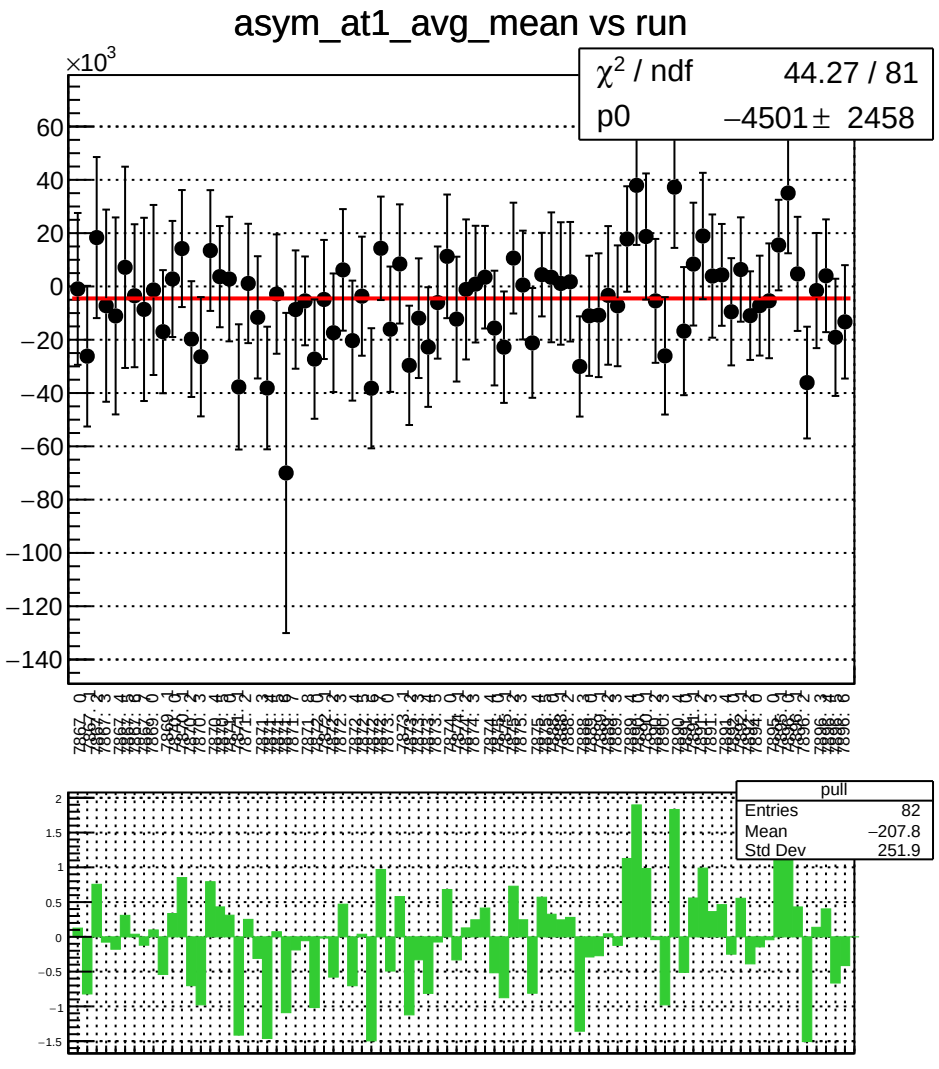

pull1D
Entries 82
Mean −0.006223
Std Dev 0.7474

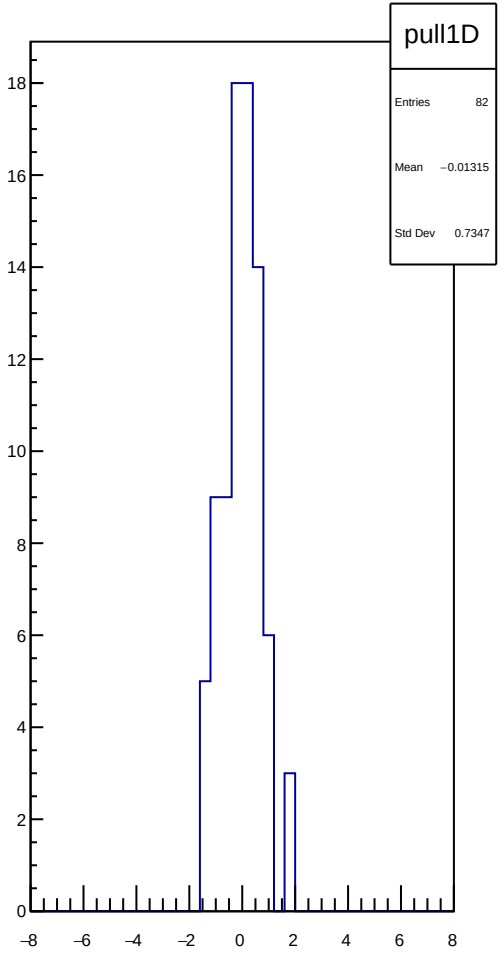

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.299e+04 / 81
p0 1882 ± 1.505
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

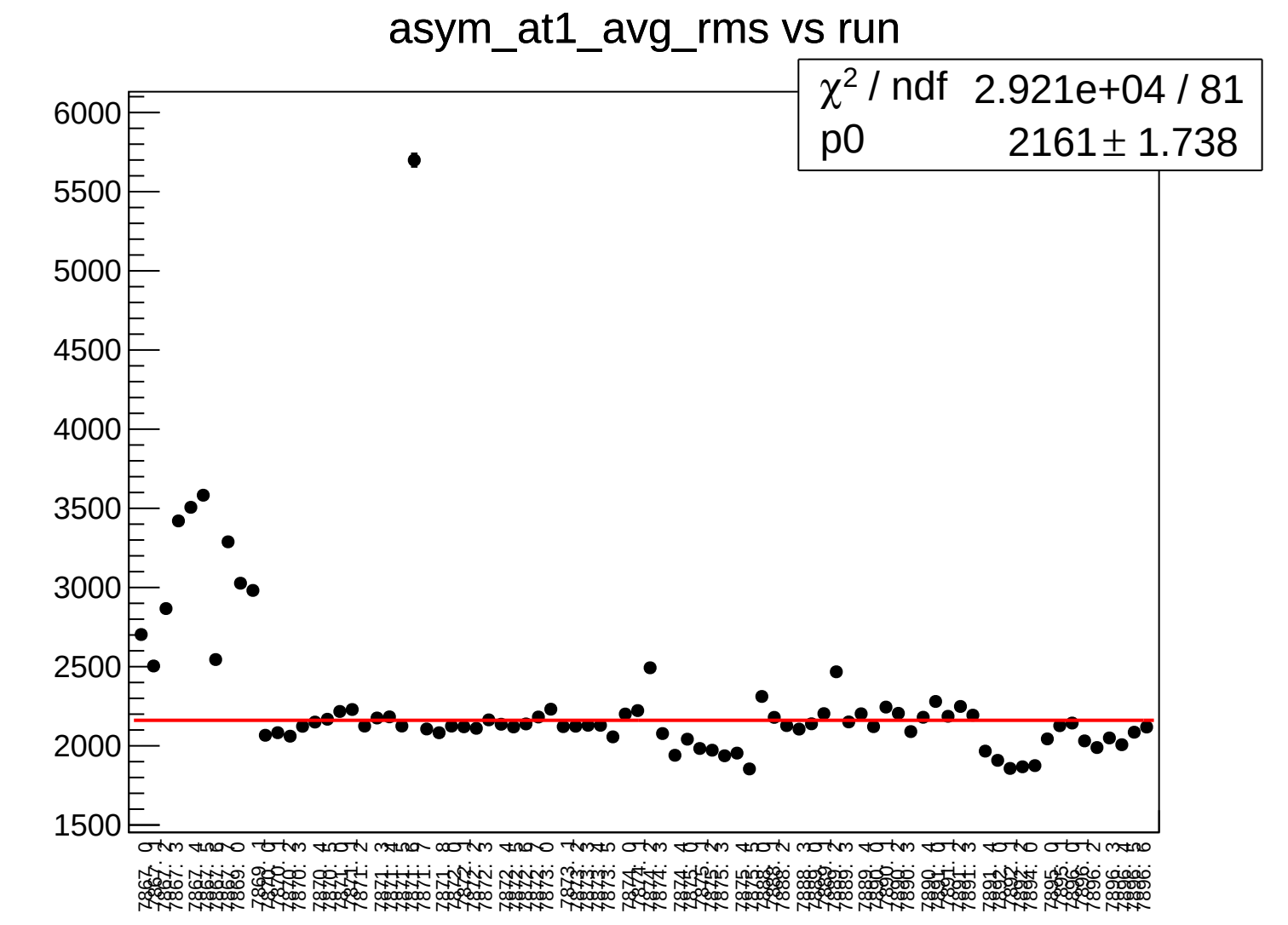

asym_at1_avg_correction_mean vs run
χ² / ndf 72.55 / 81
p0 1077 ± 1133
pull
Entries 82
Mean −536.3
Std Dev 571.1

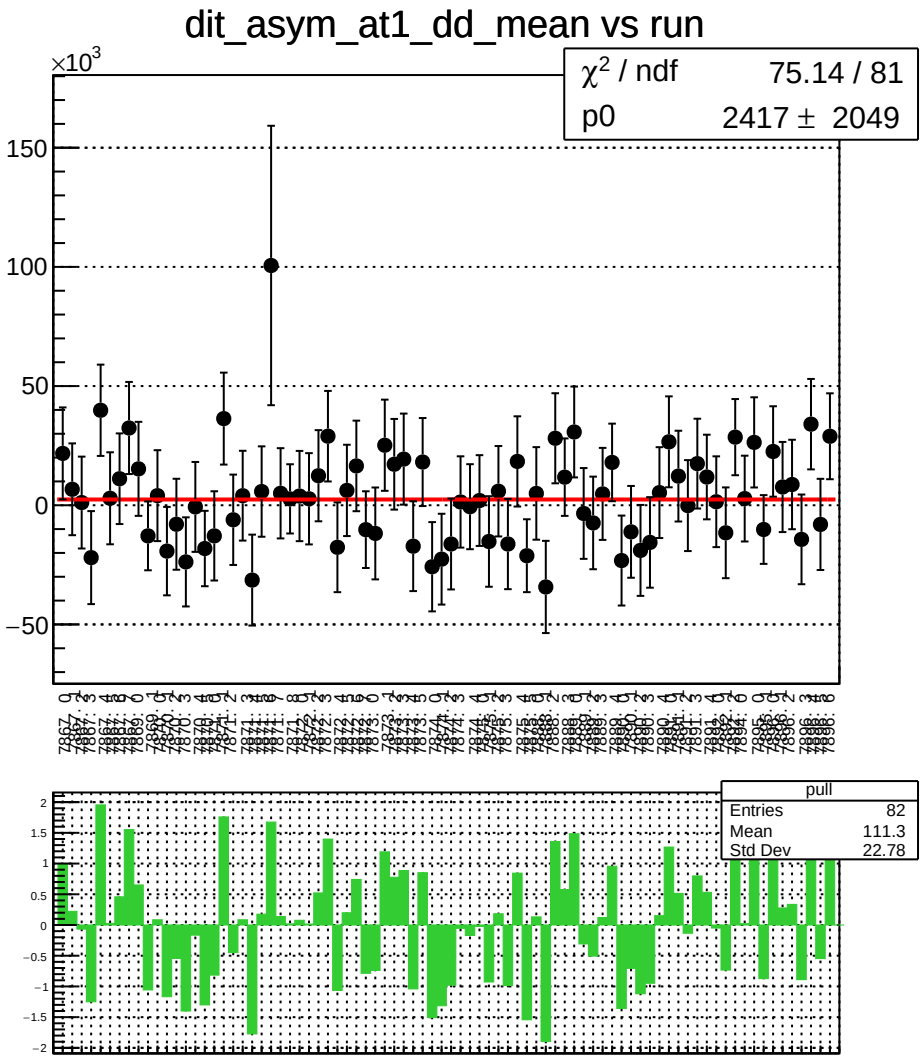

pull1D
Entries 82
Mean 0.006278
Std Dev 0.9406

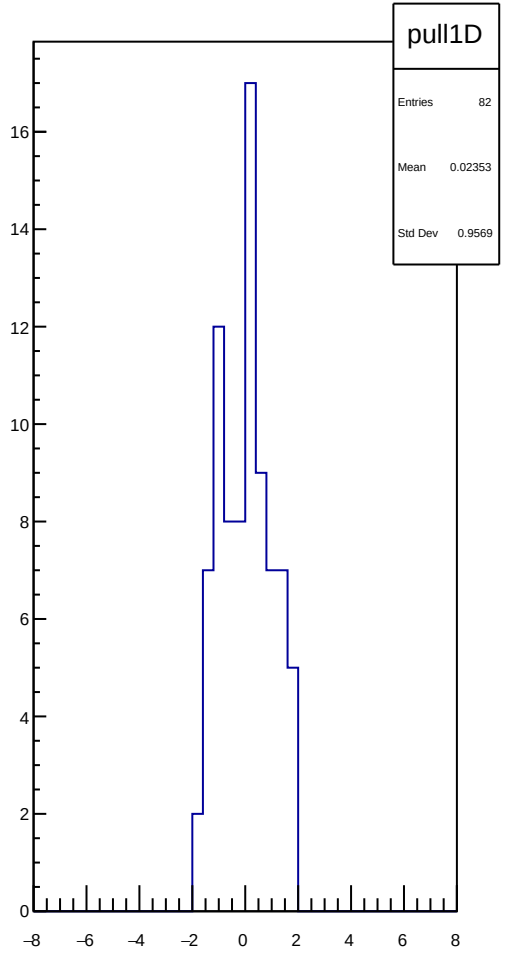

asym_at1_avg_correction_rms vs run
χ² / ndf 2.794e+04 / 81
p0 996.8 ± 0.8013
2200
2000
1800
1600
1400
1200
1000
800

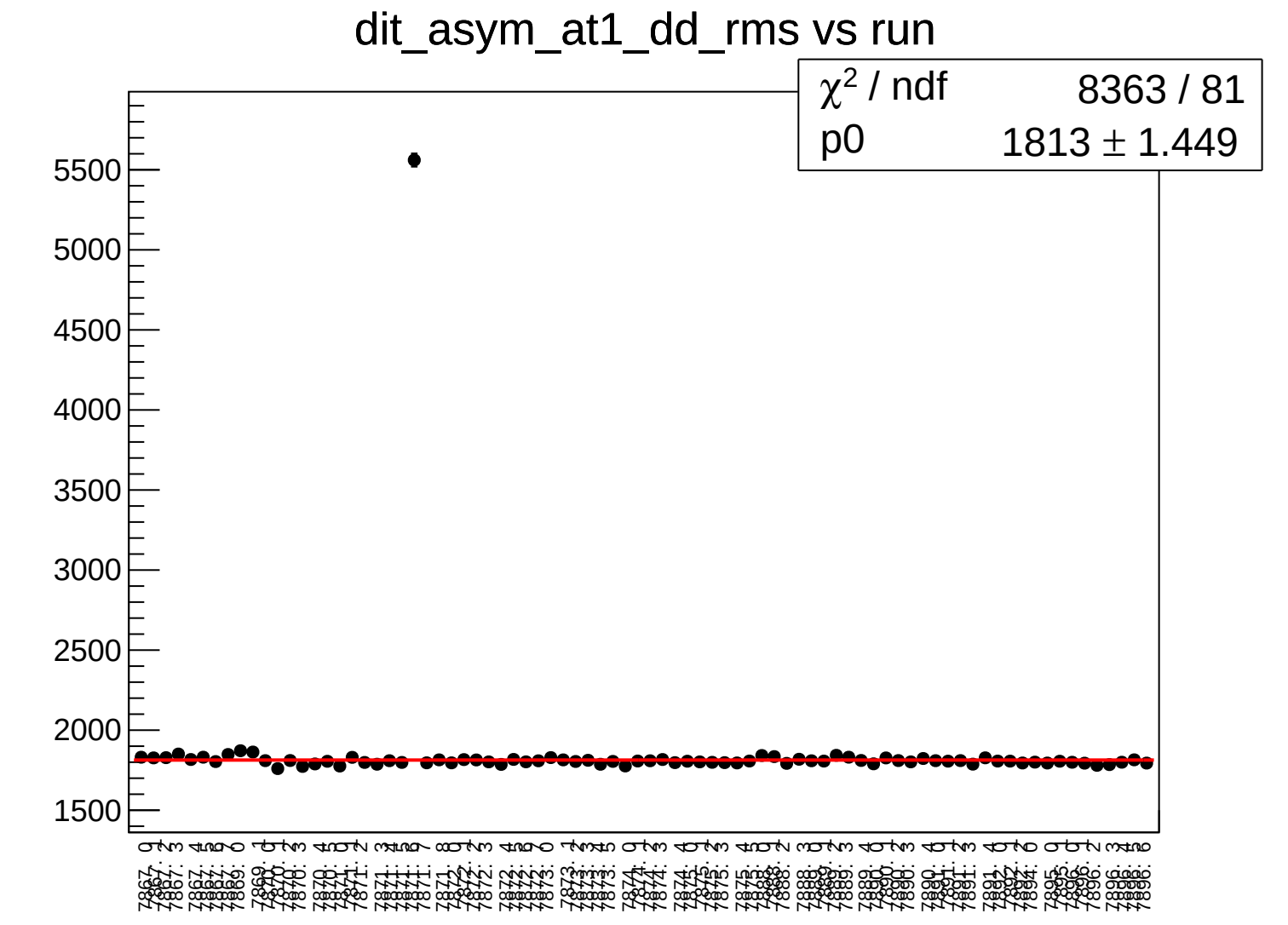

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 44.27 / 81
p0 −4501 ± 2458
pull
Entries 82
Mean −207.8
Std Dev 251.9

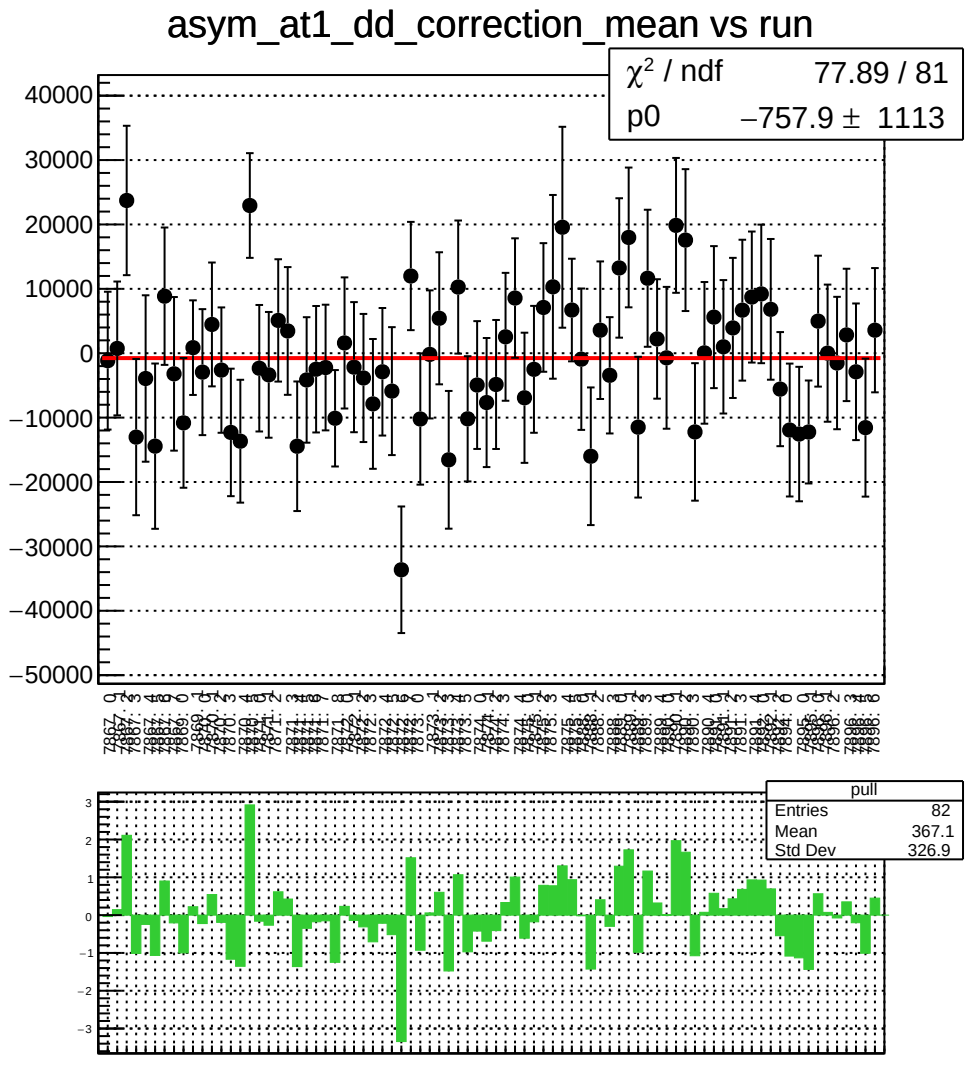

pull1D
Entries 82
Mean −0.01315
Std Dev 0.7347

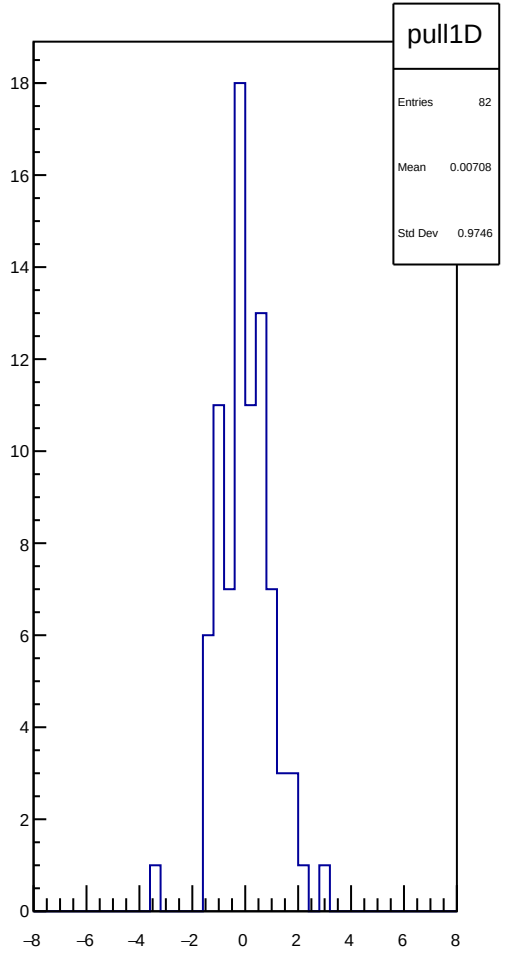

asym_at1_avg_rms vs run
χ^2 / ndf 2.921e+04 / 81
p0 2161 ± 1.738
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

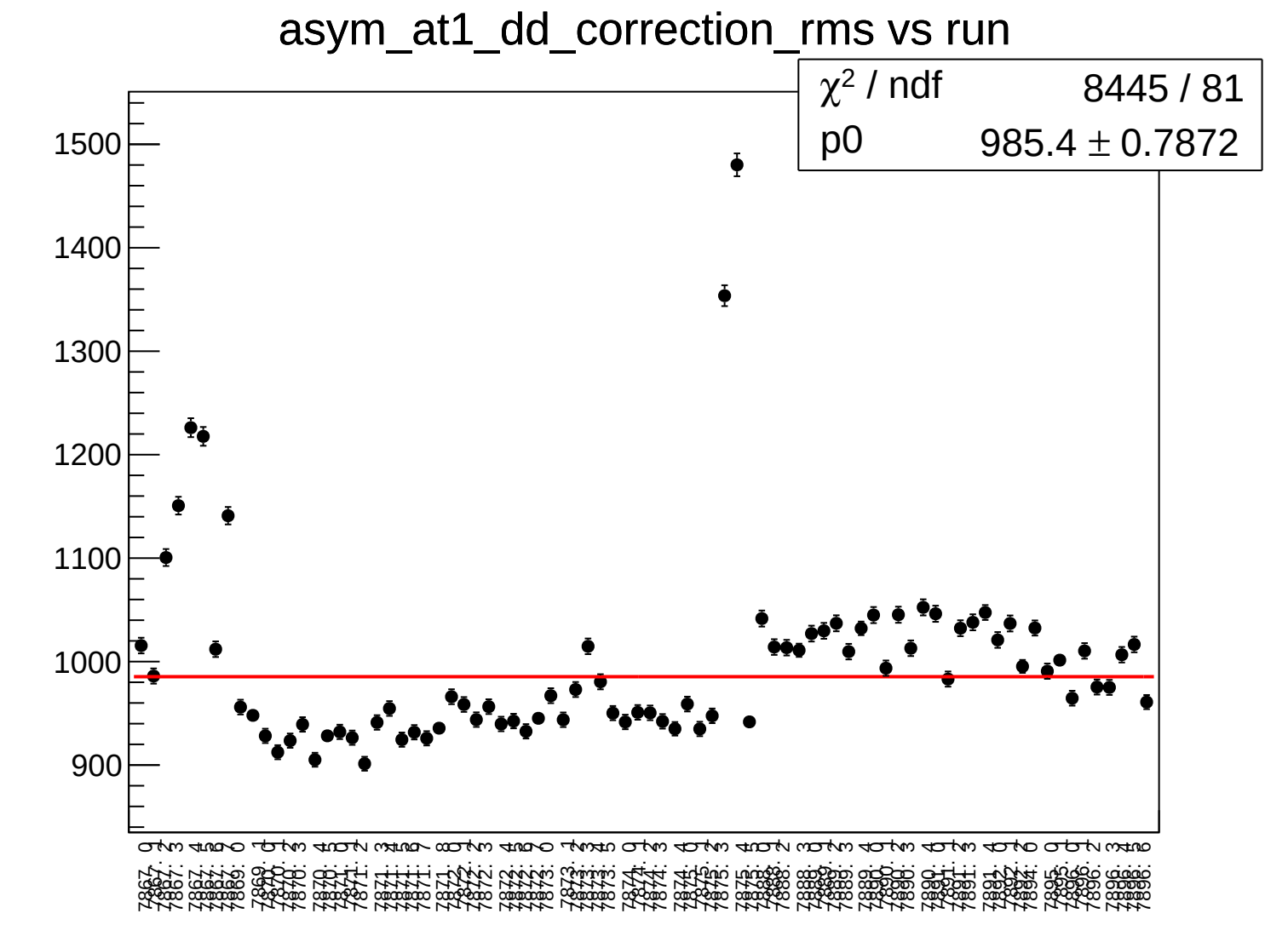

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 75.14 / 81
p0 2417 ± 2049
150
100
50
0
−50
pull
Entries 82
Mean 111.3
Std Dev 22.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

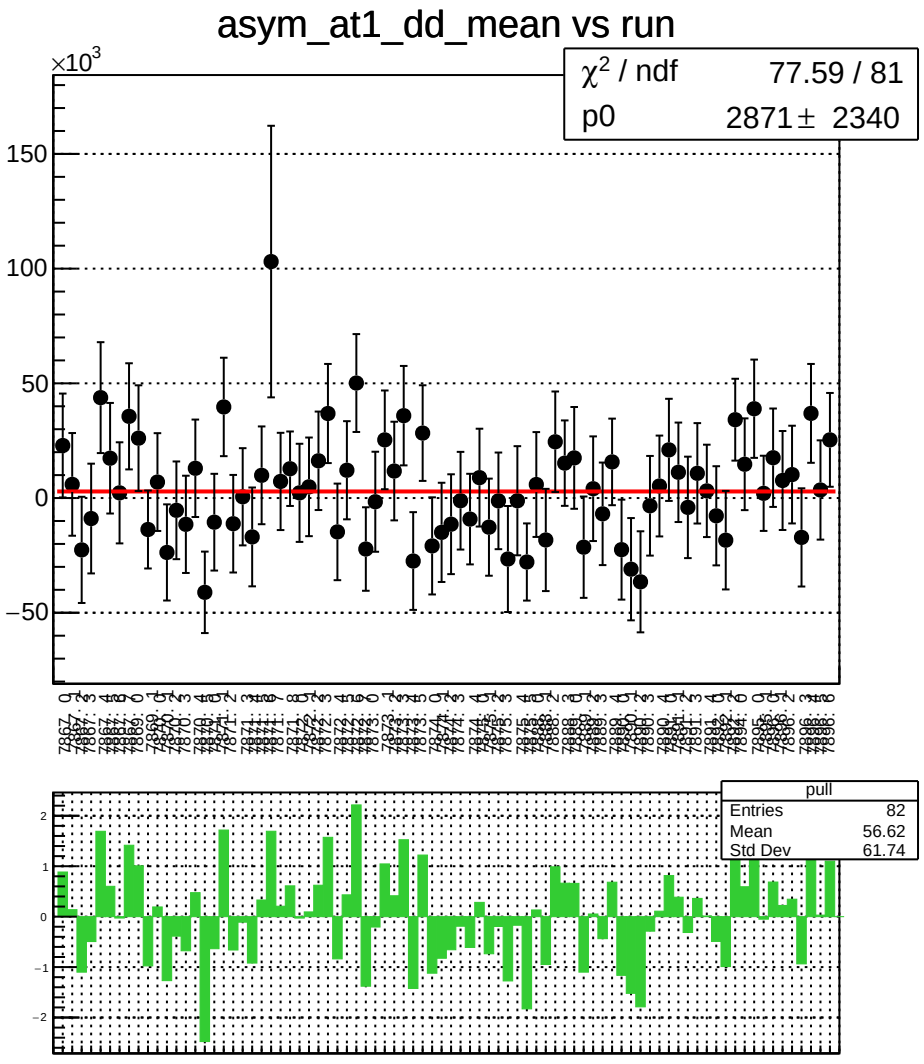

pull1D
Entries 82
Mean 0.02353
Std Dev 0.9569
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

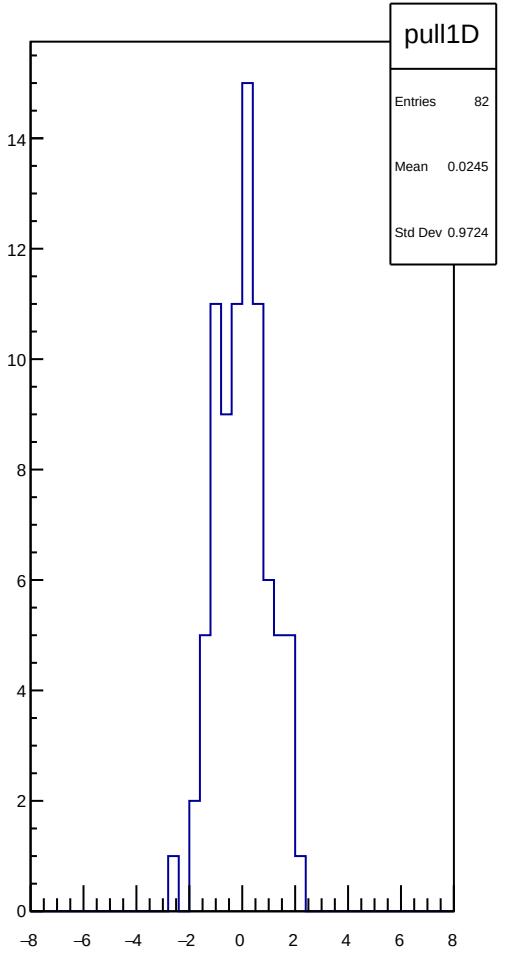

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8363 / 81
p0 1813 ± 1.449
5500
5000
4500
4000
3500
3000
2500
2000
1500

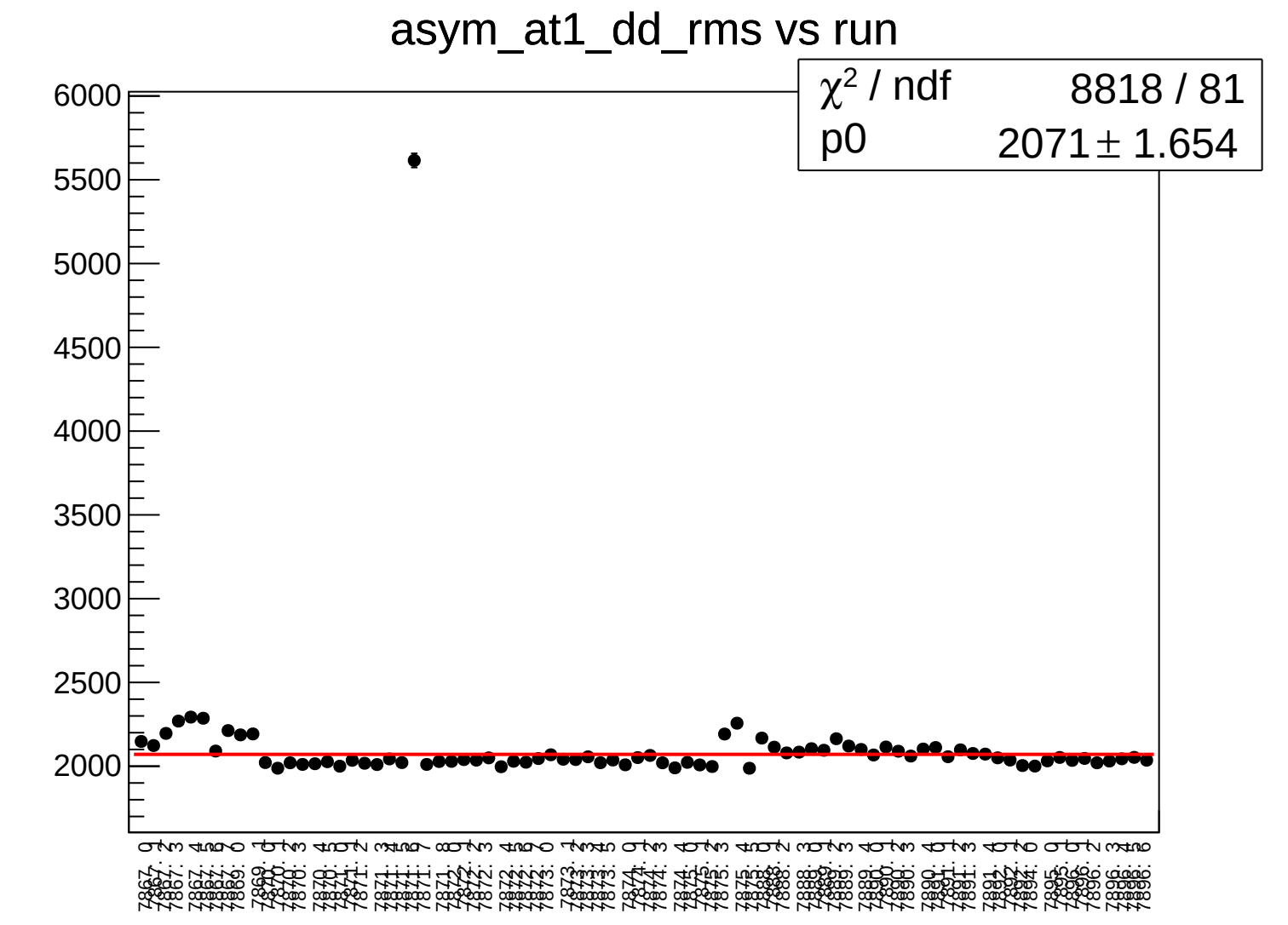

asym_at1_dd_correction_mean vs run
χ² / ndf 77.89 / 81
p0 −757.9 ± 1113
pull
Entries 82
Mean 367.1
Std Dev 326.9

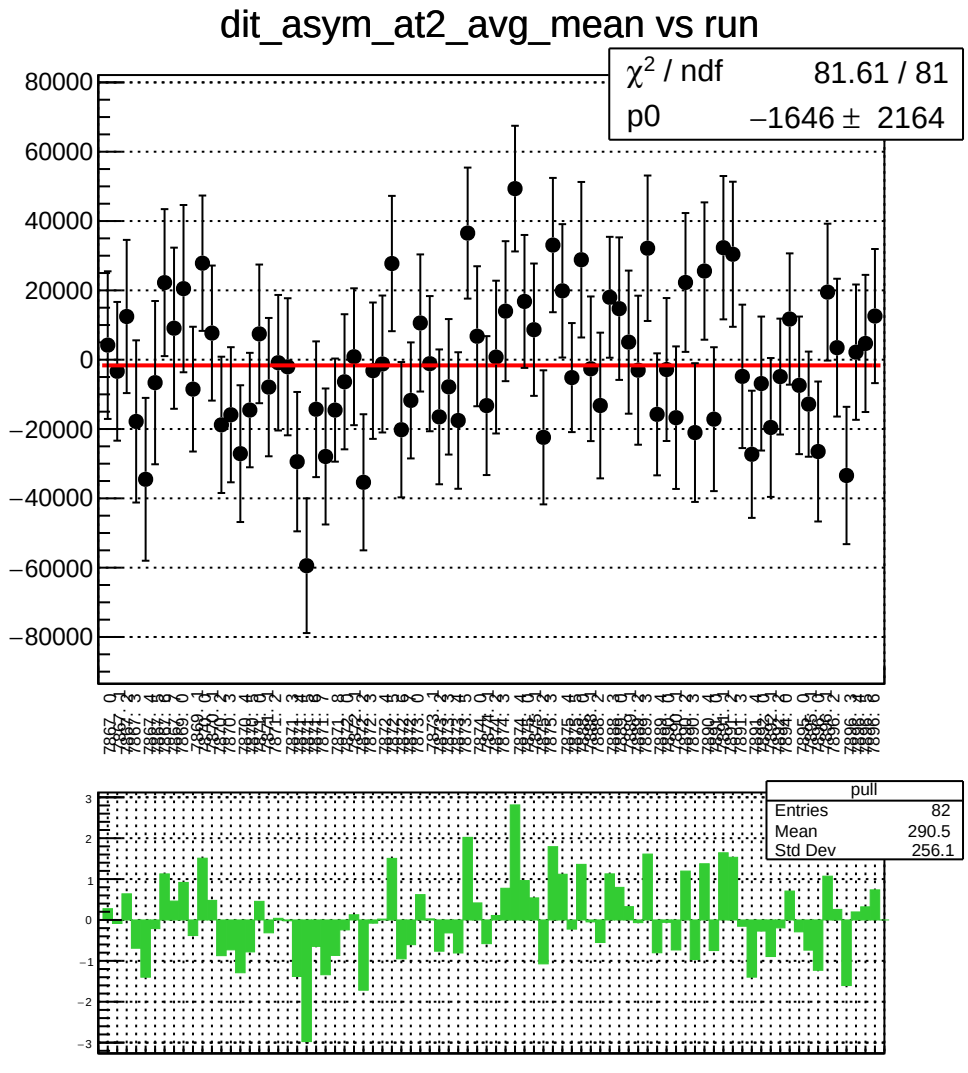

pull1D
Entries 82
Mean 0.00708
Std Dev 0.9746

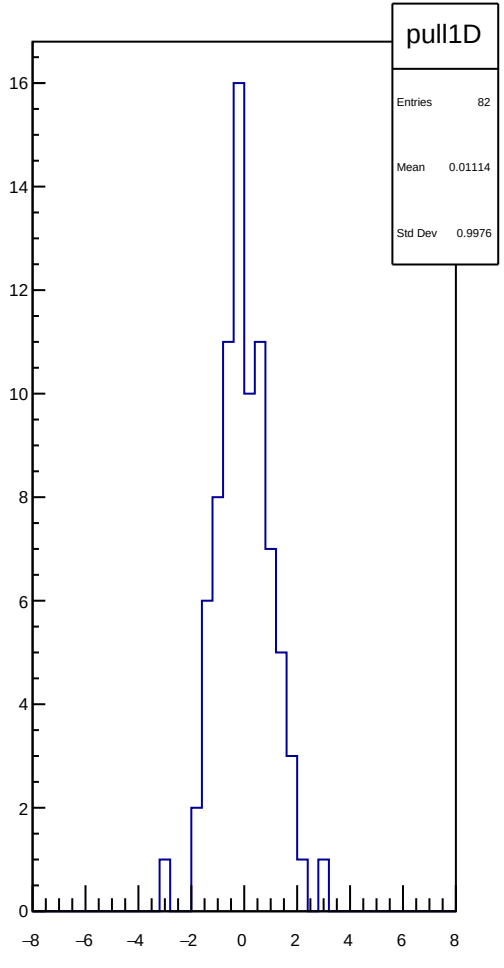

asym_at1_dd_correction_rms vs run
χ² / ndf 8445 / 81
p0 985.4 ± 0.7872
1500
1400
1300
1200
1100
1000
900

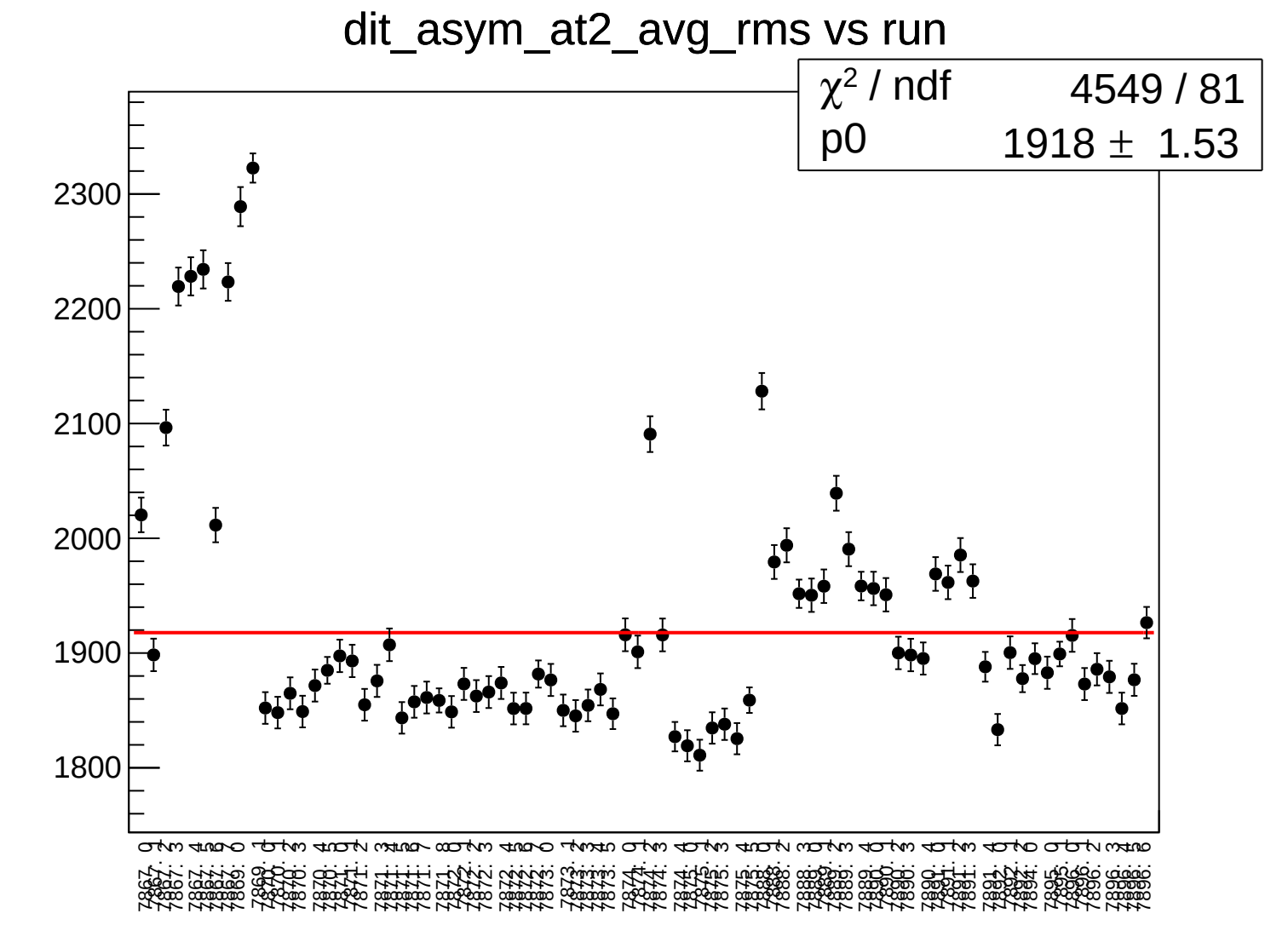

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 77.59 / 81
p0 2871 ± 2340
150
100
50
0
−50
pull
Entries 82
Mean 56.62
Std Dev 61.74
2
1
0
−1
−2

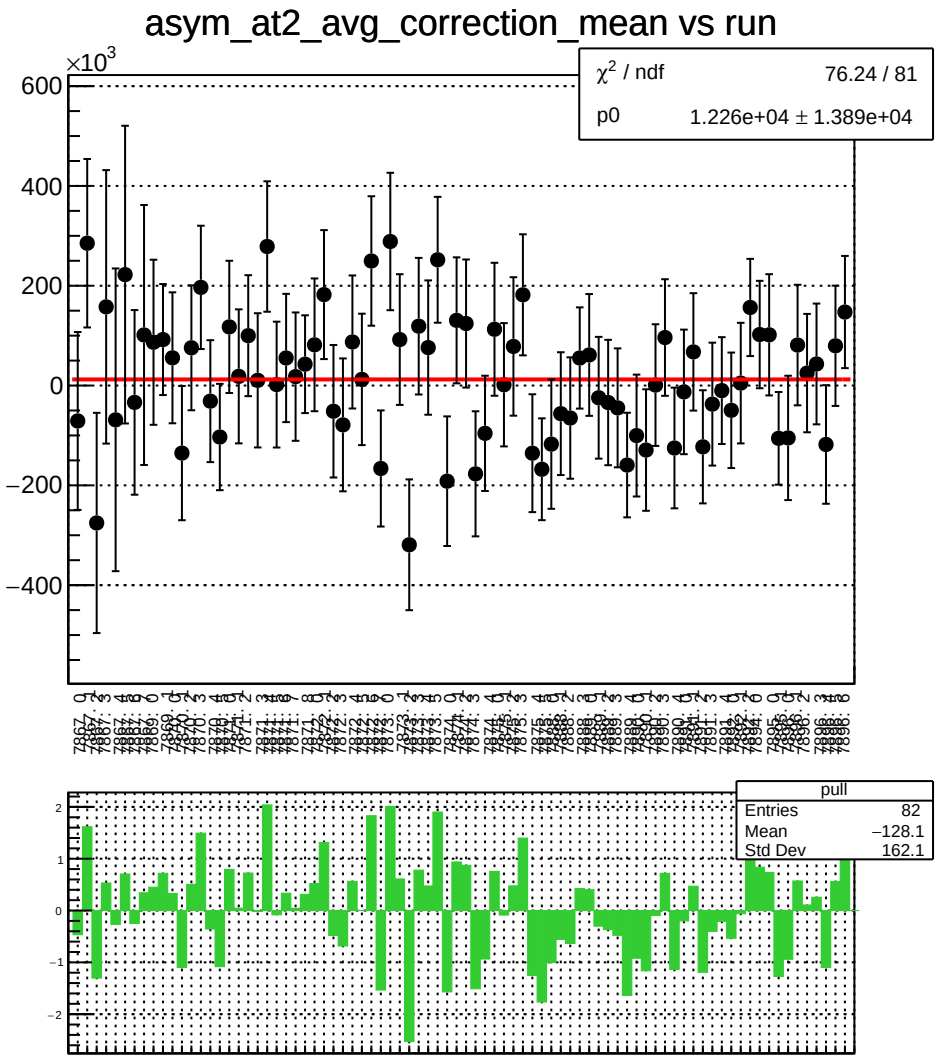

pull1D
Entries 82
Mean 0.0245
Std Dev 0.9724
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

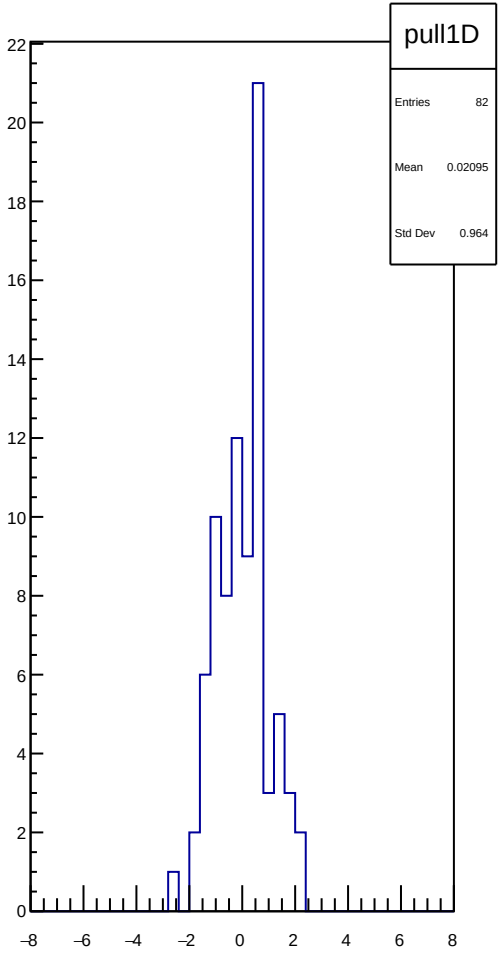

asym_at1_dd_rms vs run
χ^2 / ndf 8818 / 81
p0 2071 ± 1.654
6000
5500
5000
4500
4000
3500
3000
2500
2000

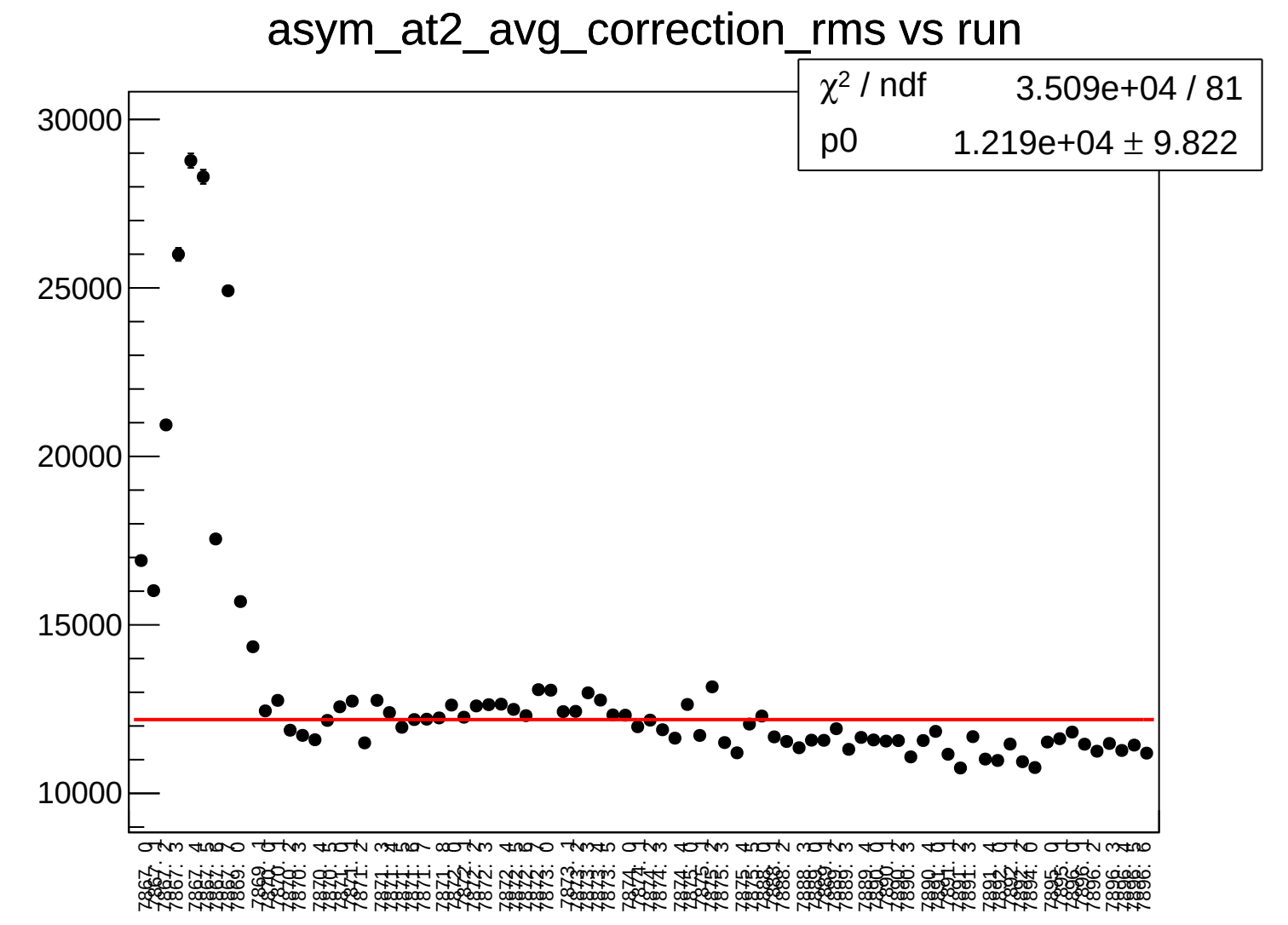

dit_asym_at2_avg_mean vs run
χ² / ndf 81.61 / 81
p0 −1646 ± 2164
pull
Entries 82
Mean 290.5
Std Dev 256.1

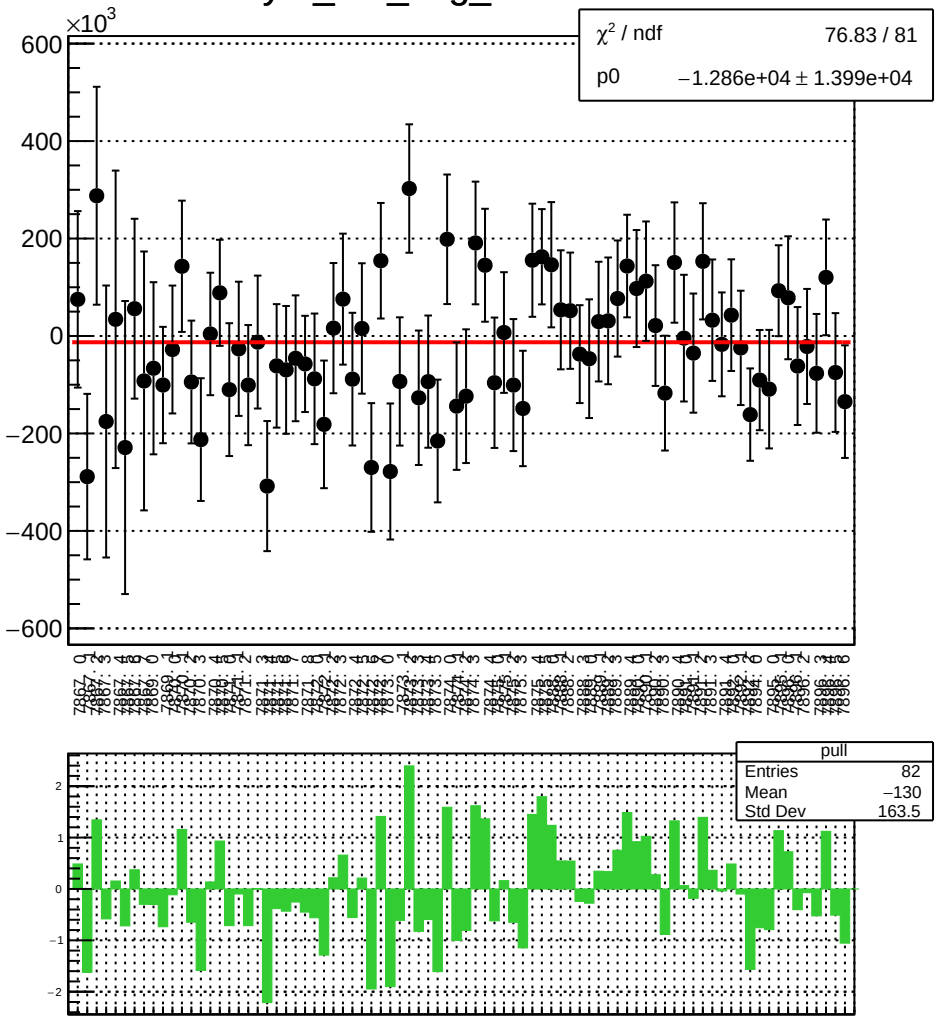

pull1D
Entries 82
Mean 0.01114
Std Dev 0.9976

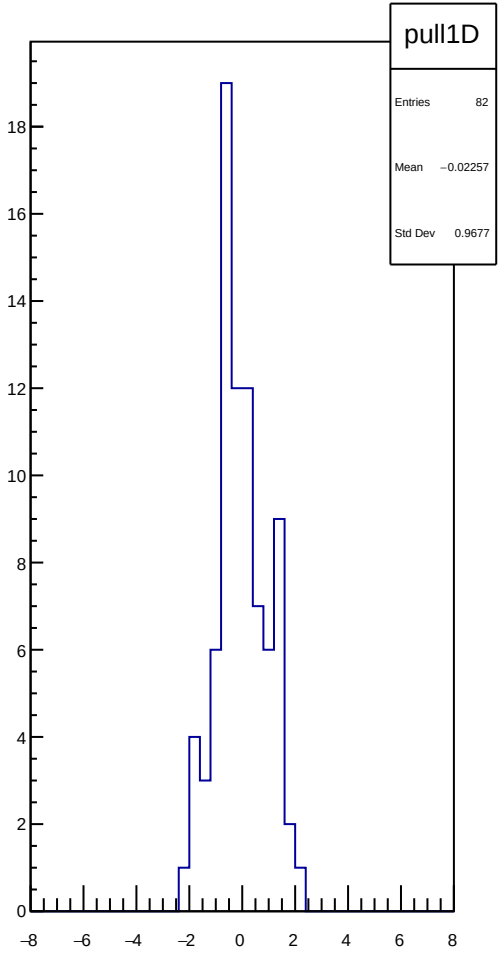

dit_asym_at2_avg_rms vs run
χ² / ndf 4549 / 81
p0 1918 ± 1.53
2300
2200
2100
2000
1900
1800

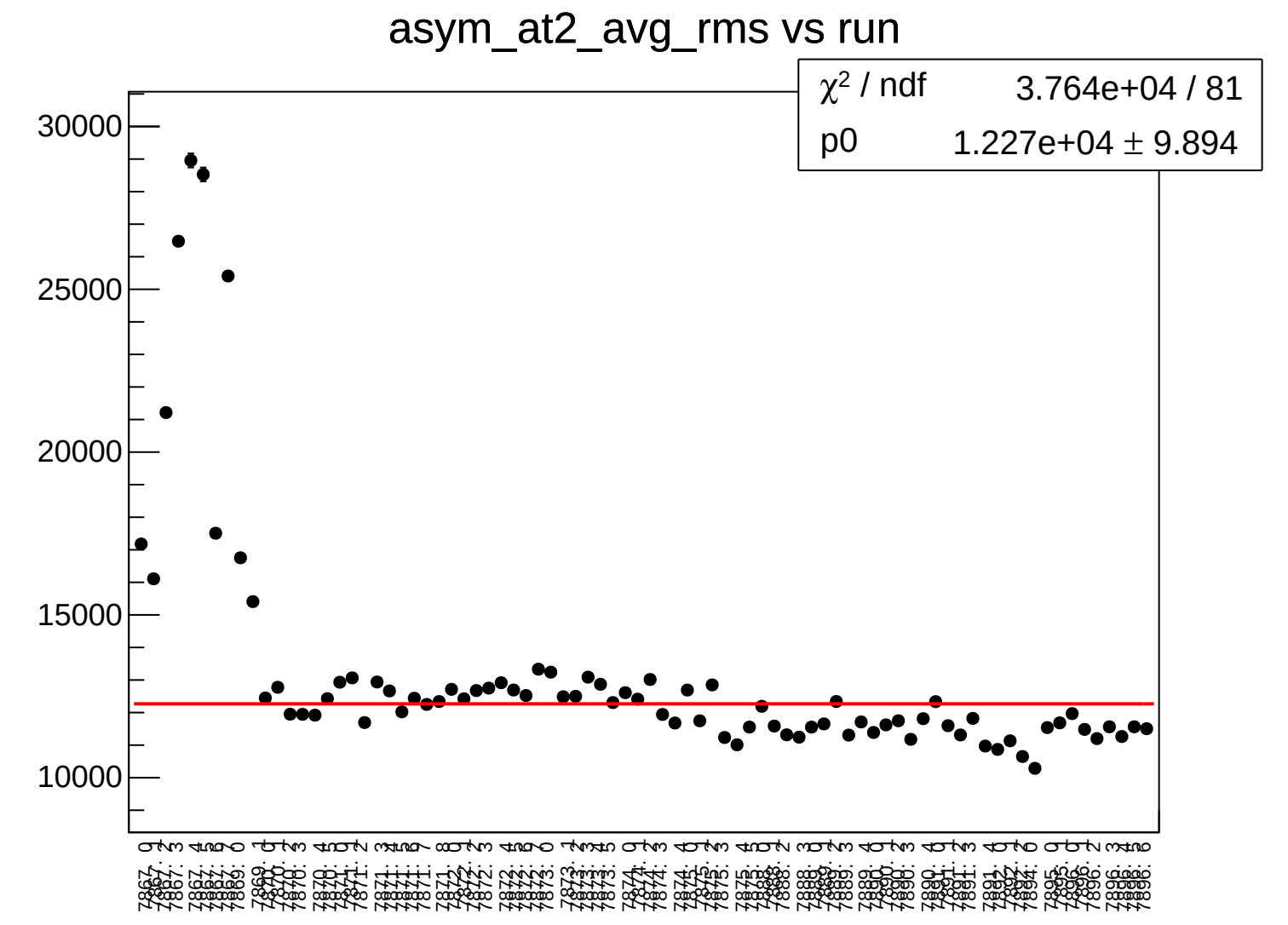

asym_at2_avg_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 76.24 / 81
p0 1.226e+04 ± 1.389e+04
pull
Entries 82
Mean −128.1
Std Dev 162.1
2
1
0
−1
−2

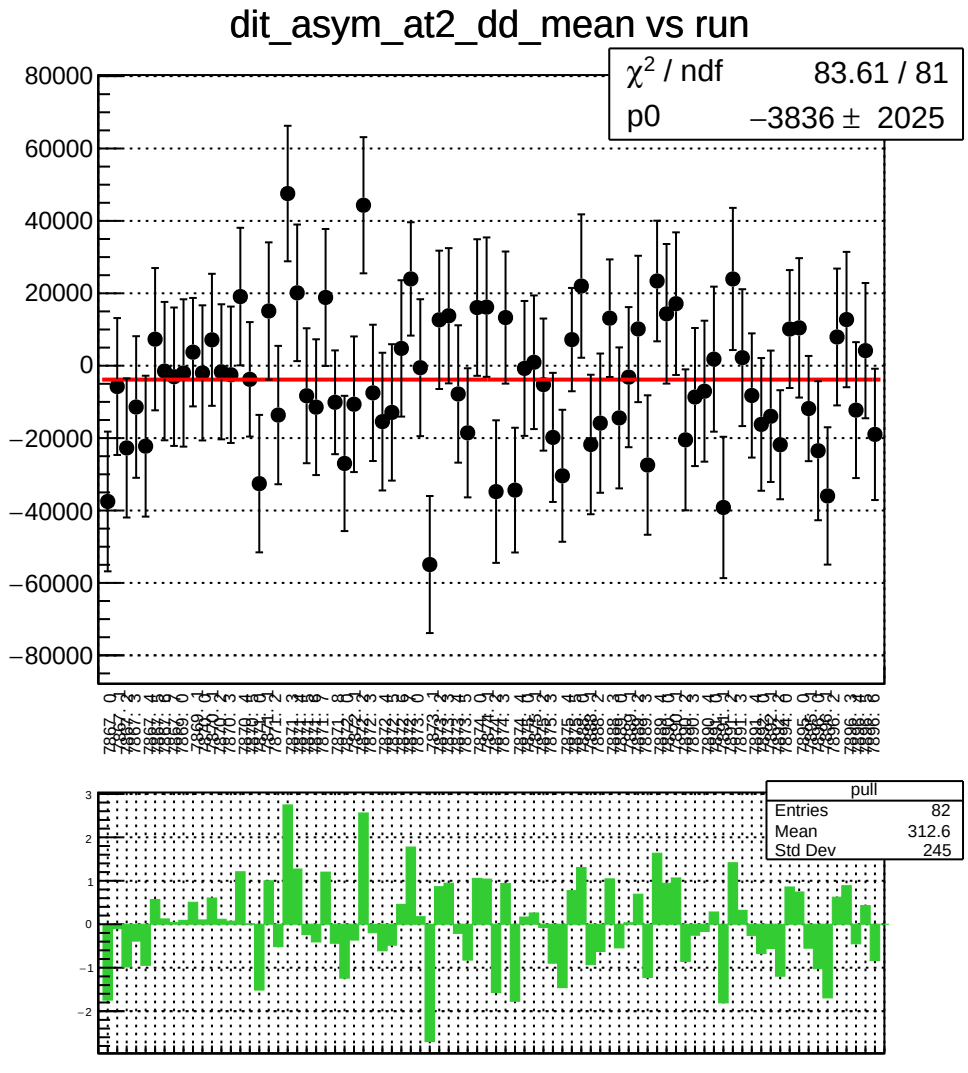

pull1D
Entries 82
Mean 0.02095
Std Dev 0.964
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

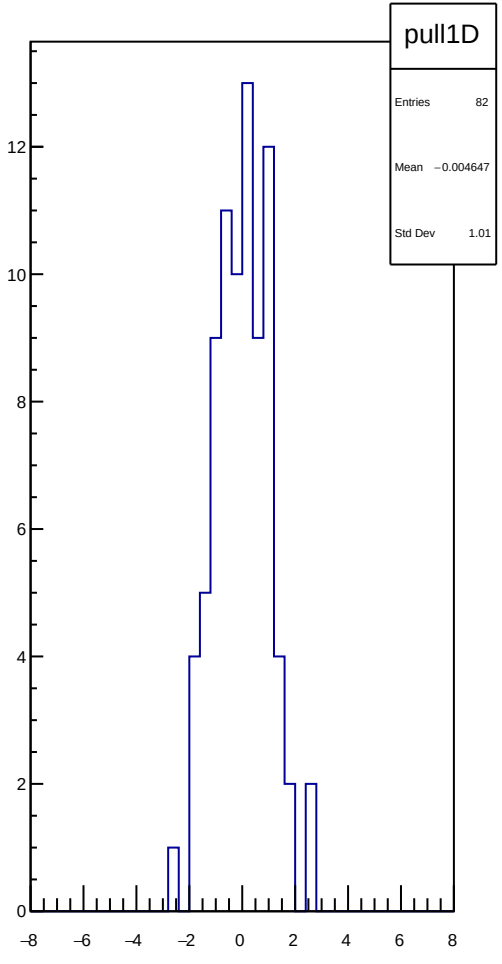

asym_at2_avg_correction_rms vs run
χ² / ndf 3.509e+04 / 81
p0 1.219e+04 ± 9.822
30000
25000
20000
15000
10000

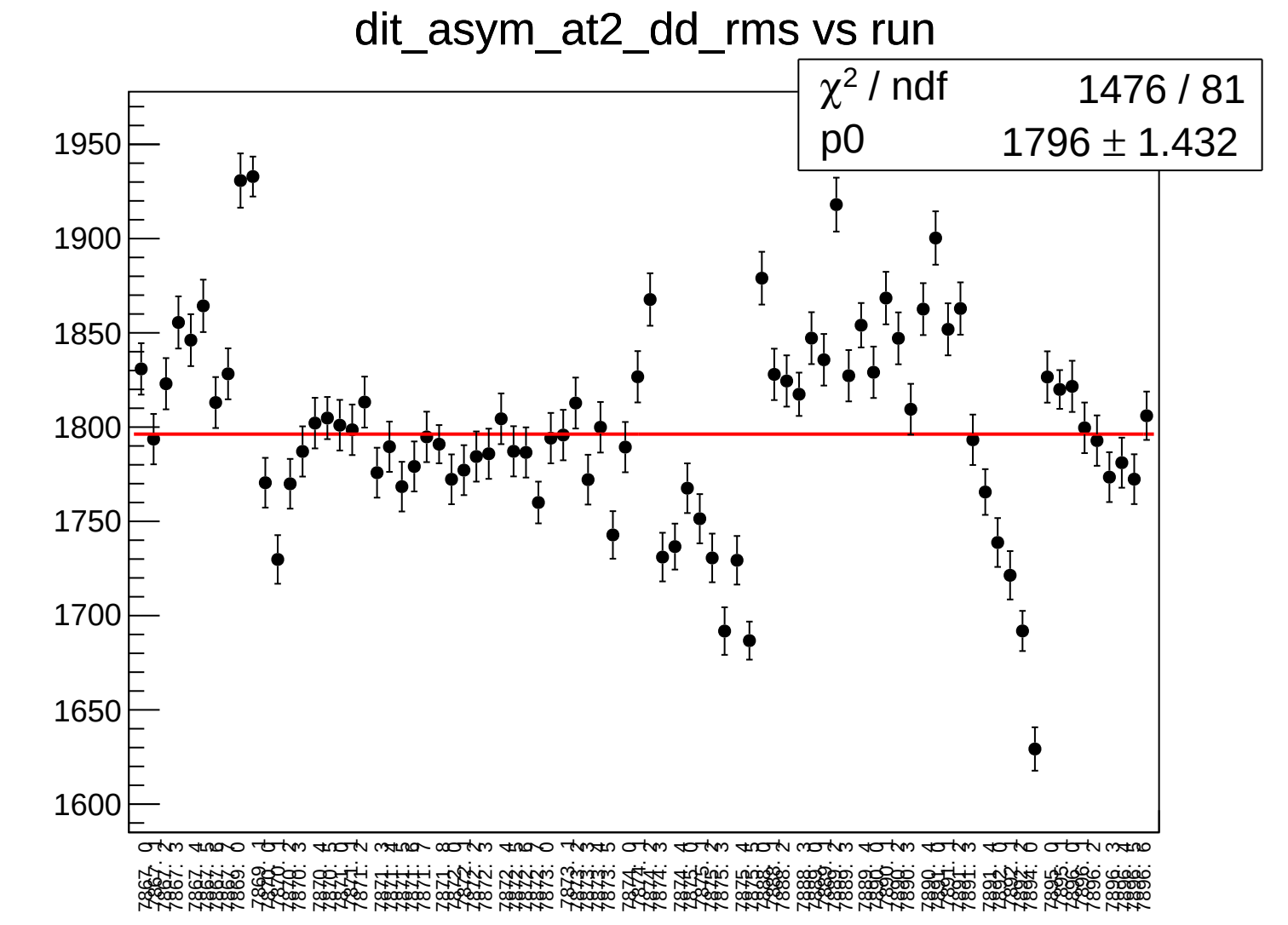

asym_at2_avg_mean vs run
×10^3
χ² / ndf 76.83 / 81
p0 −1.286e+04 ± 1.399e+04
pull
Entries 82
Mean −130
Std Dev 163.5

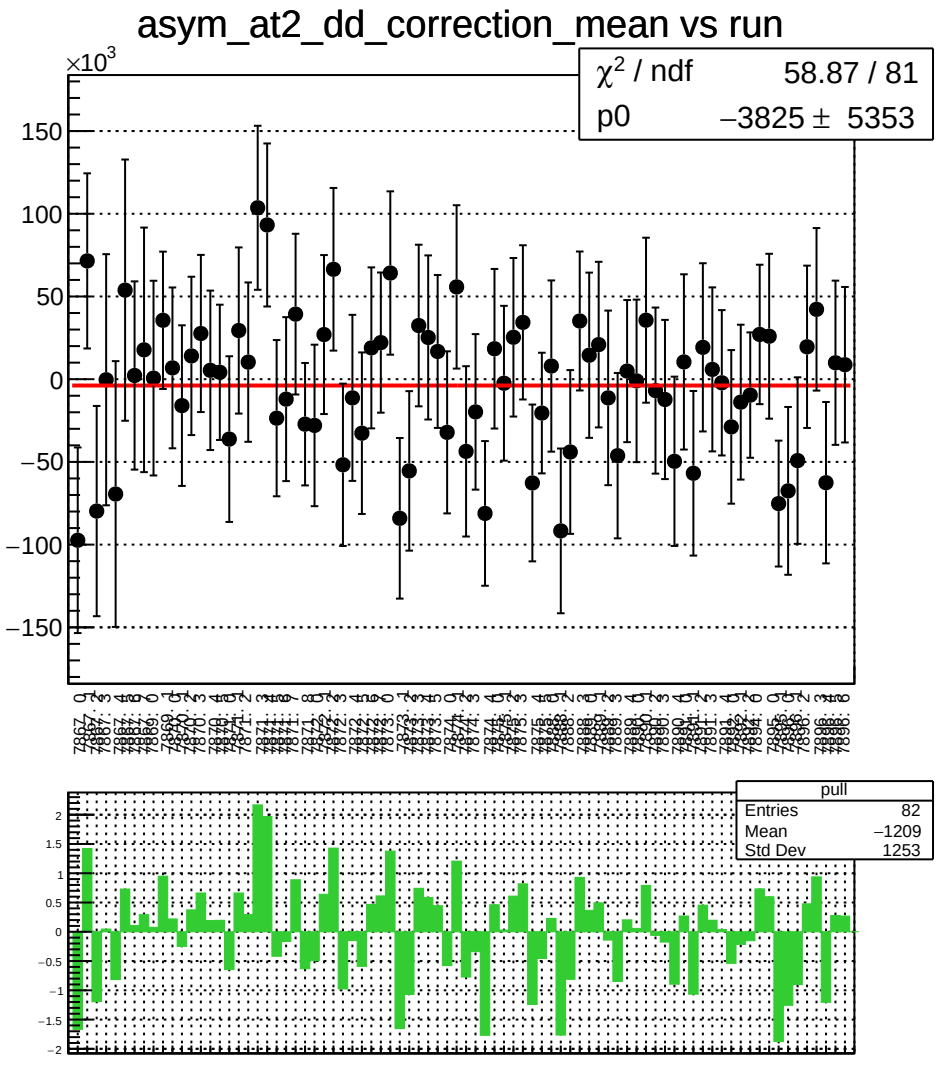

pull1D
Entries 82
Mean −0.02257
Std Dev 0.9677

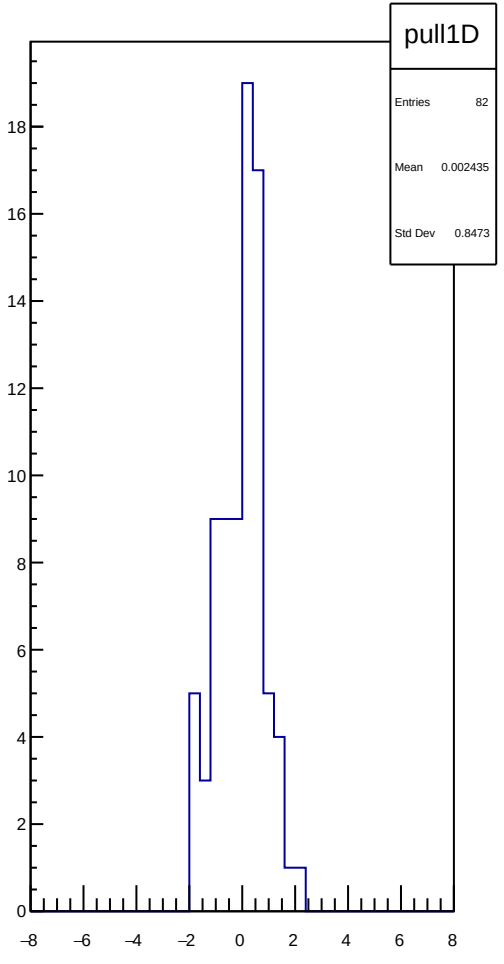

asym_at2_avg_rms vs run
χ² / ndf 3.764e+04 / 81
p0 1.227e+04 ± 9.894
30000
25000
20000
15000
10000

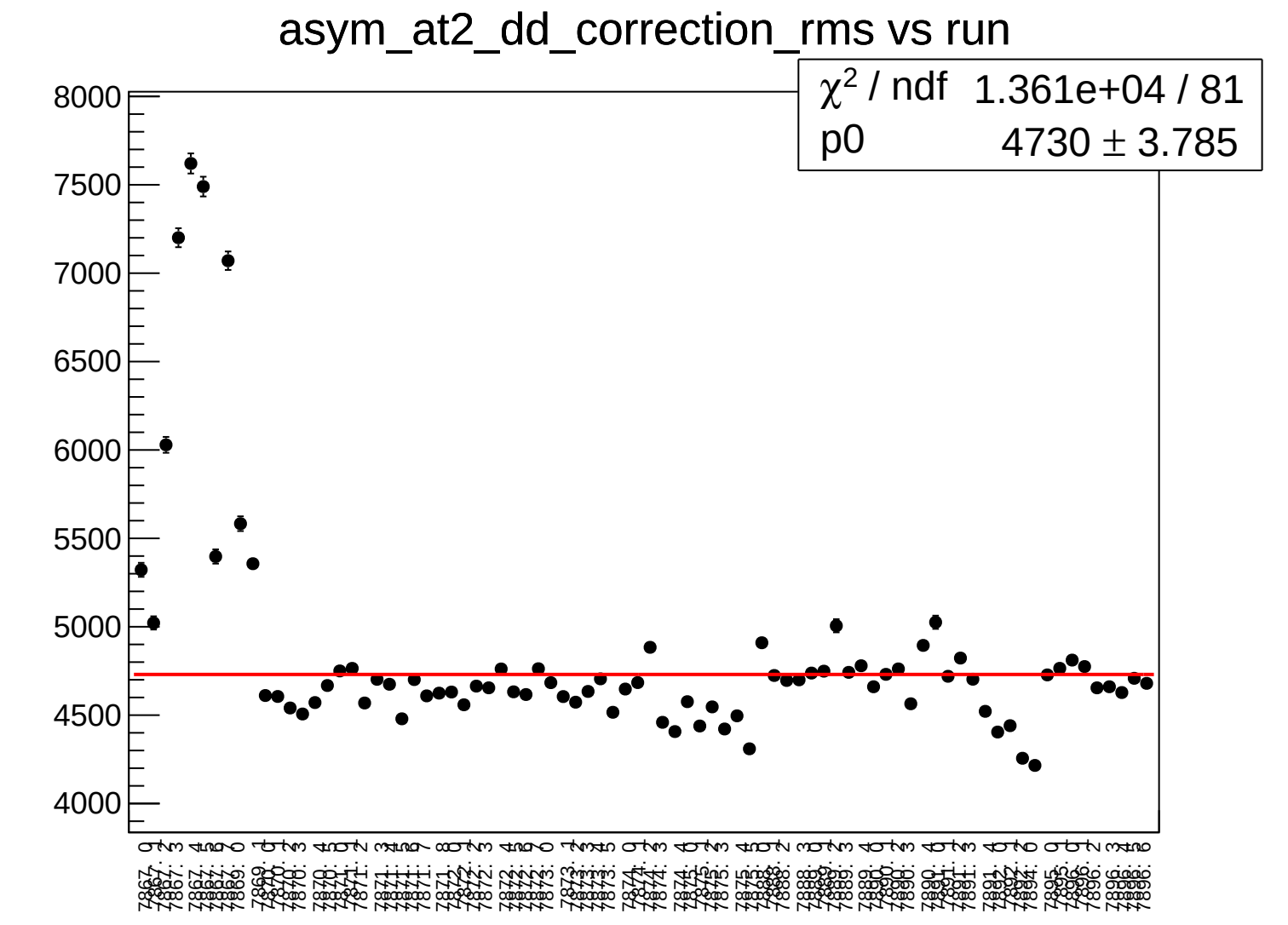

dit_asym_at2_dd_mean vs run
χ² / ndf 83.61 / 81
p0 −3836 ± 2025
pull
Entries 82
Mean 312.6
Std Dev 245

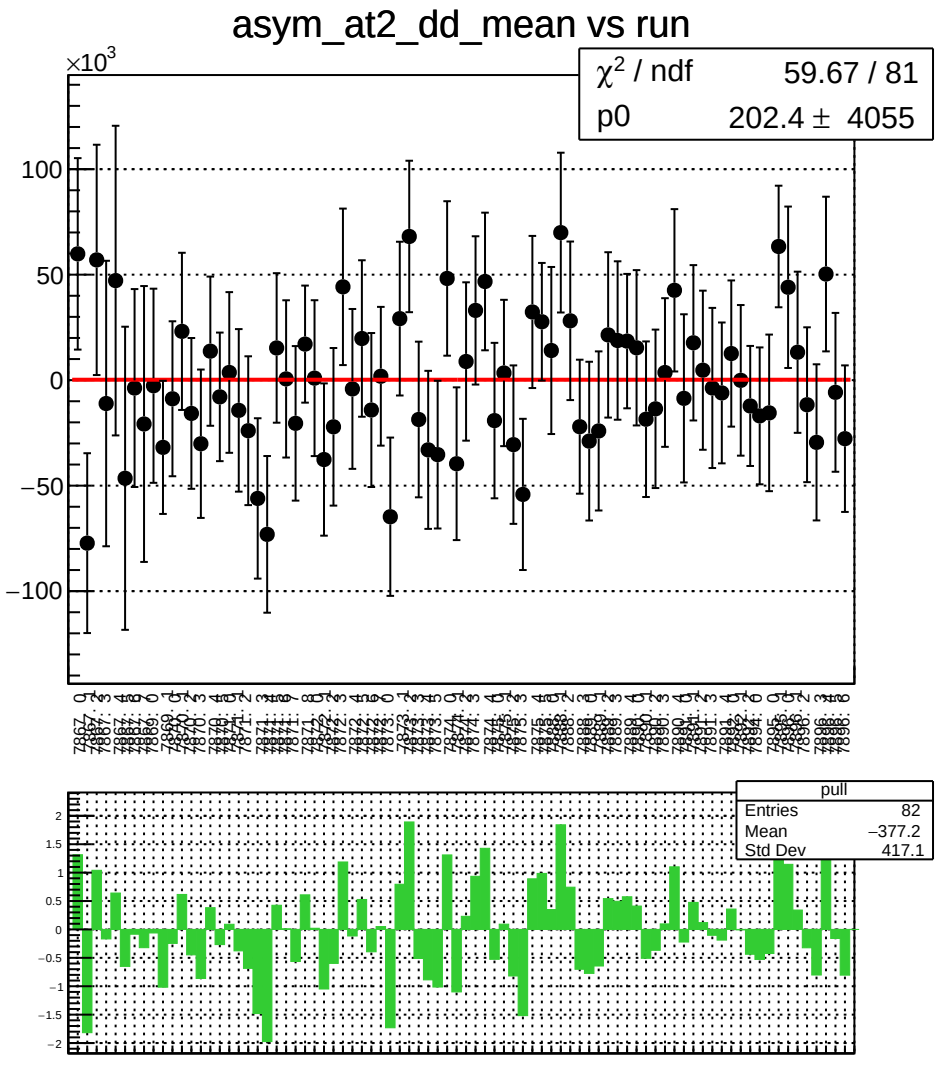

pull1D
Entries 82
Mean −0.004647
Std Dev 1.01

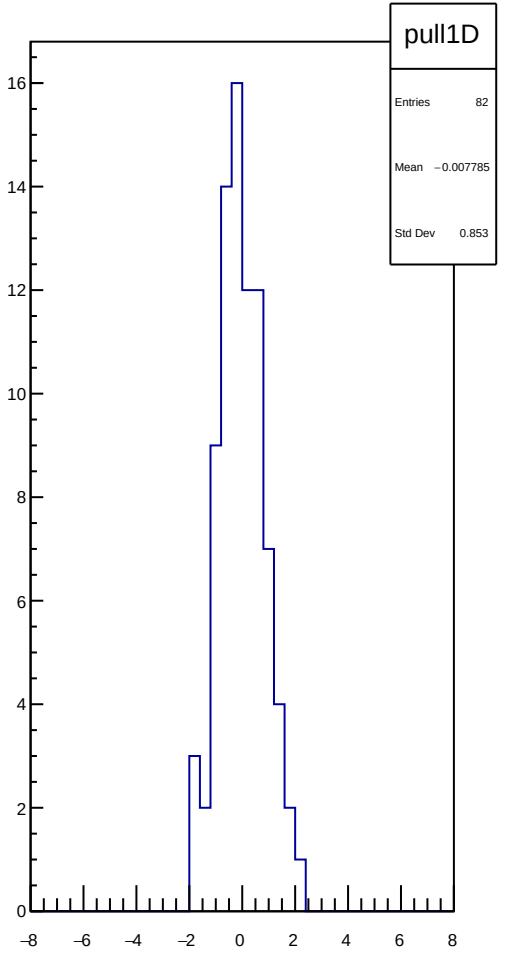

dit_asym_at2_dd_rms vs run
χ² / ndf 1476 / 81
p0 1796 ± 1.432
1950
1900
1850
1800
1750
1700
1650
1600

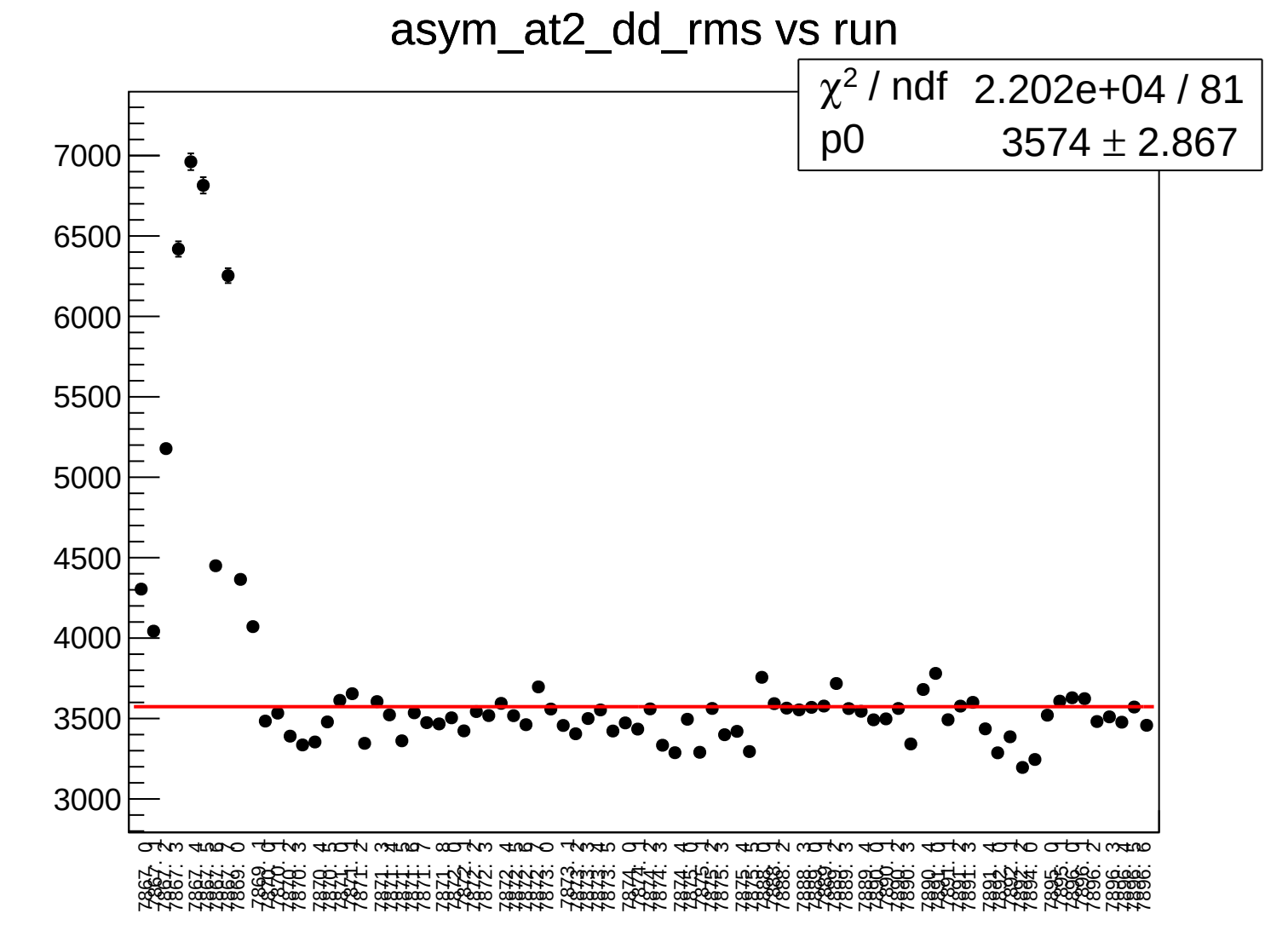

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 58.87 / 81
p0 −3825 ± 5353
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −1209
Std Dev 1253
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

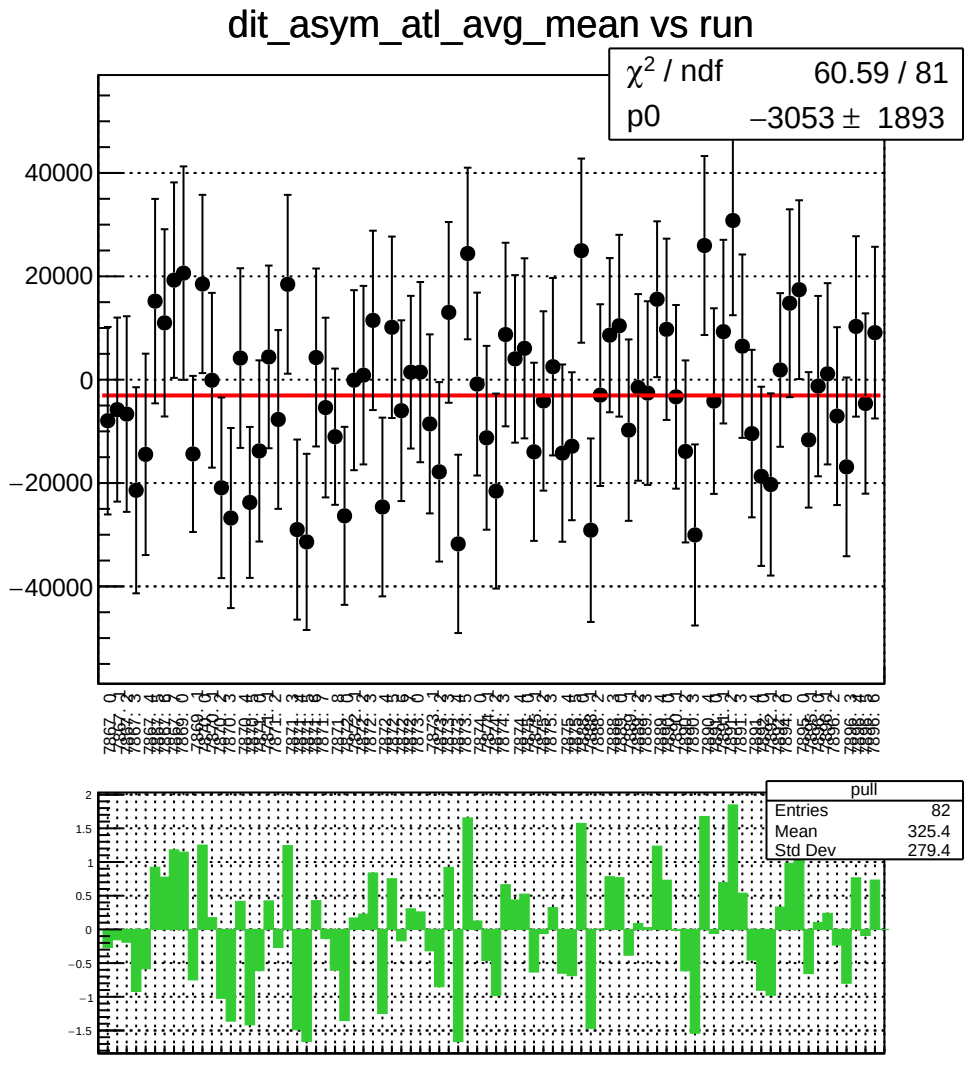

pull1D
Entries 82
Mean 0.002435
Std Dev 0.8473
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

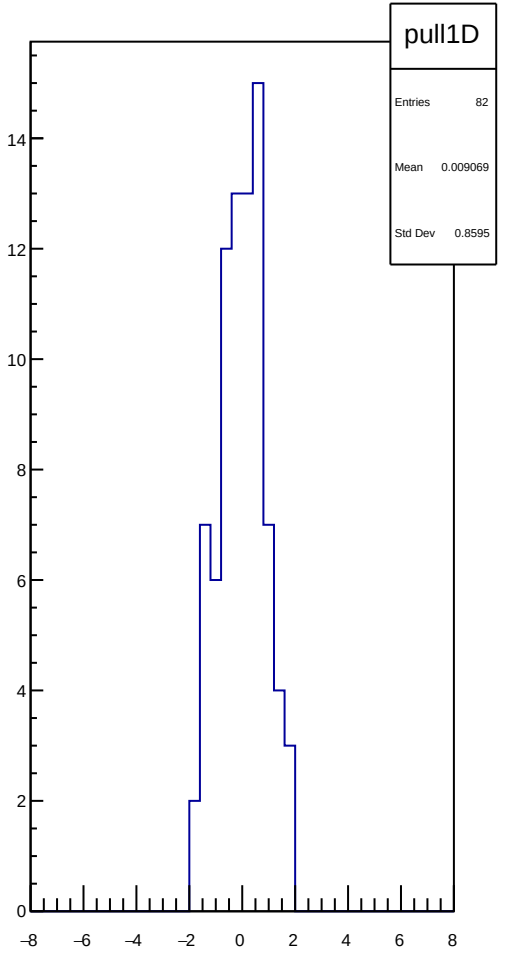

asym_at2_dd_correction_rms vs run
χ² / ndf 1.361e+04 / 81
p0 4730 ± 3.785
8000
7500
7000
6500
6000
5500
5000
4500
4000

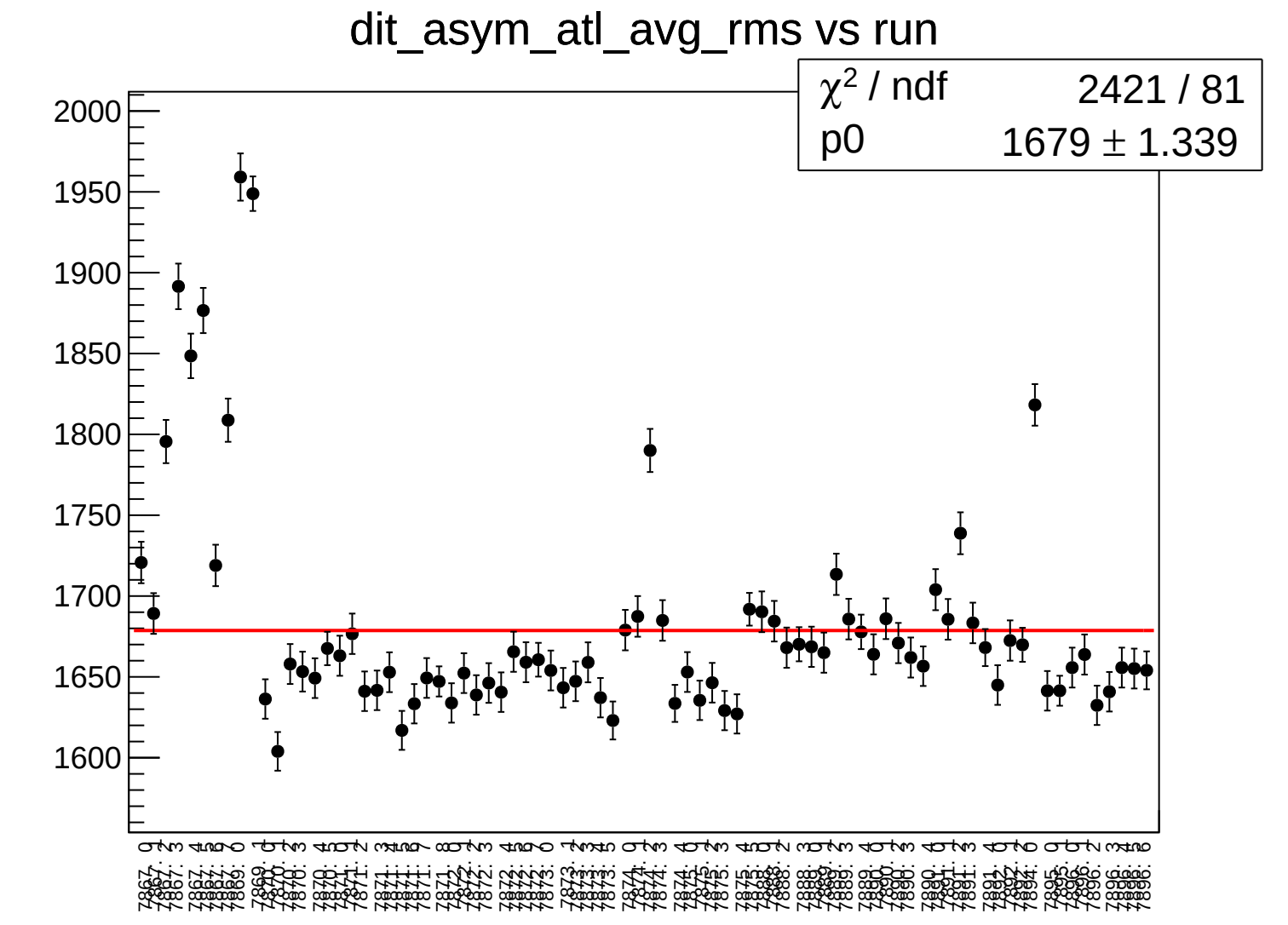

asym_at2_dd_mean vs run
×10^3
χ² / ndf 59.67 / 81
p0 202.4 ± 4055
100
50
0
−50
−100
pull
Entries 82
Mean −377.2
Std Dev 417.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

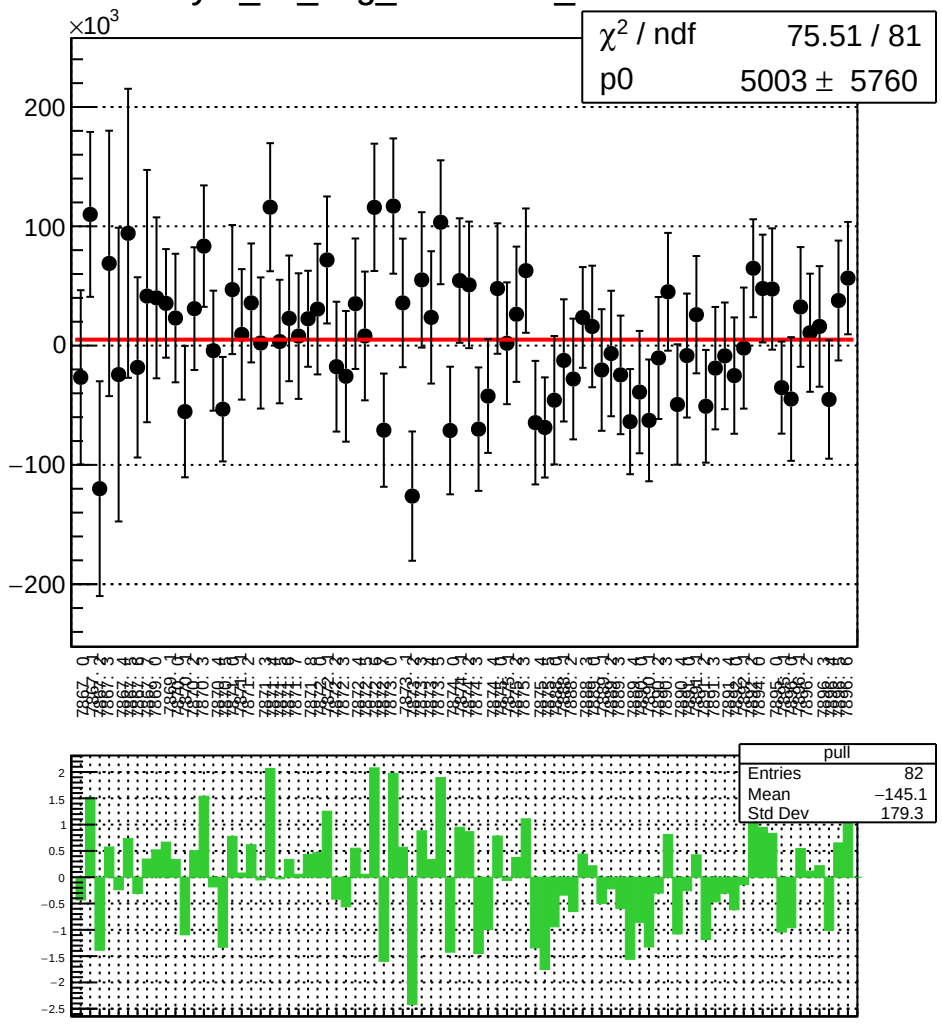

pull1D
Entries 82
Mean −0.007785
Std Dev 0.853
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

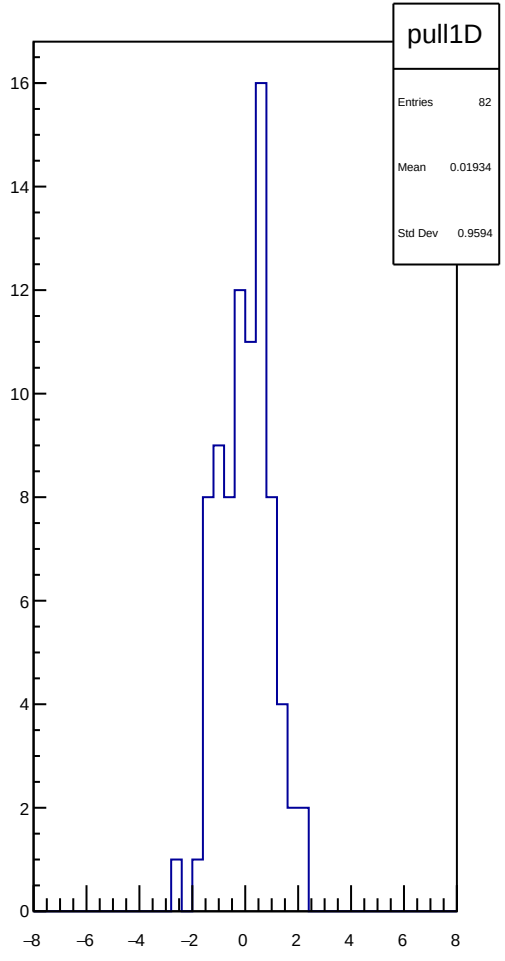

asym_at2_dd_rms vs run
χ^2 / ndf 2.202e+04 / 81
p0 3574 ± 2.867
7000
6500
6000
5500
5000
4500
4000
3500
3000

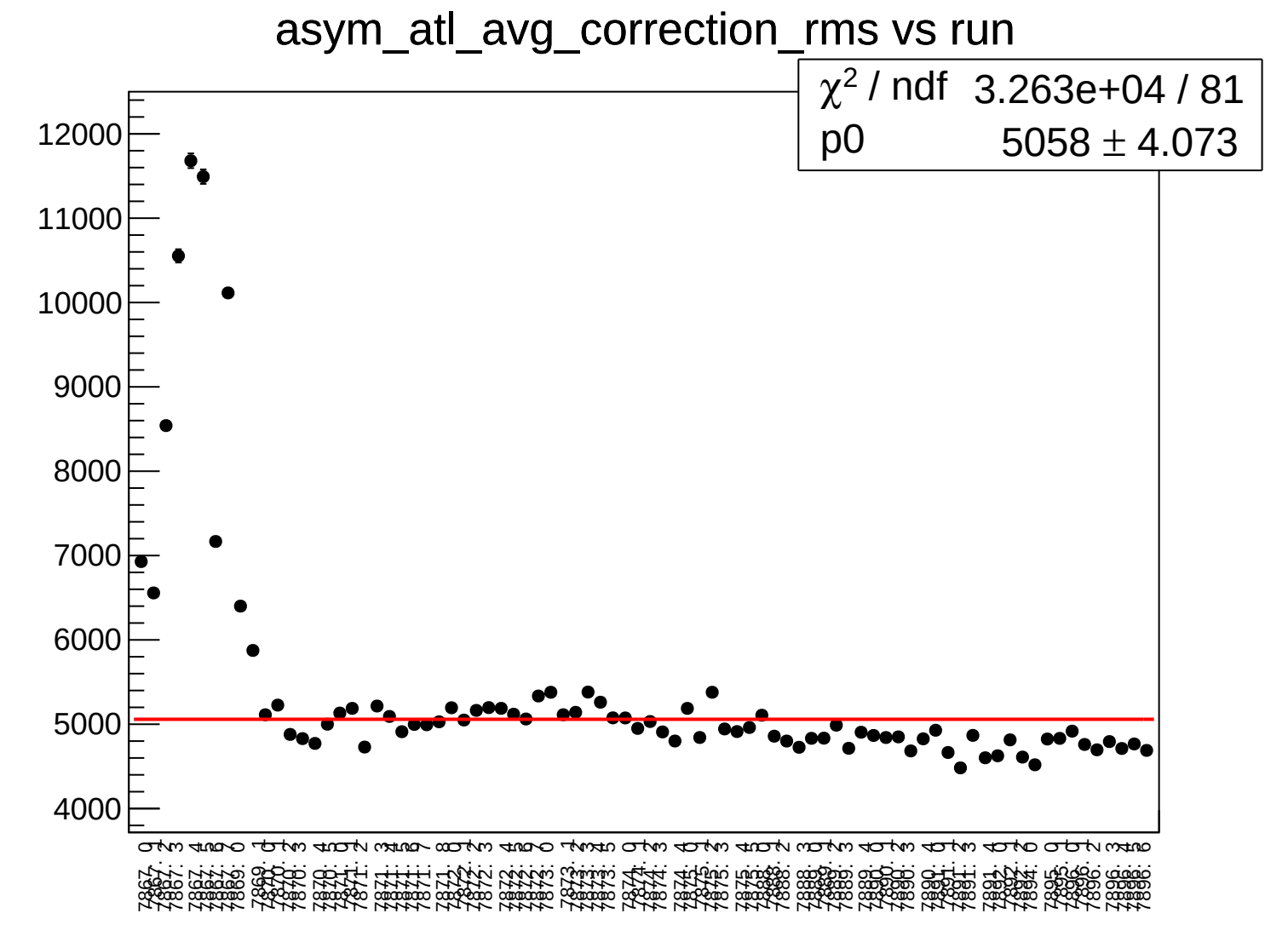

dit_asym_atl_avg_mean vs run
χ² / ndf 60.59 / 81
p0 −3053 ± 1893
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 325.4
Std Dev 279.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

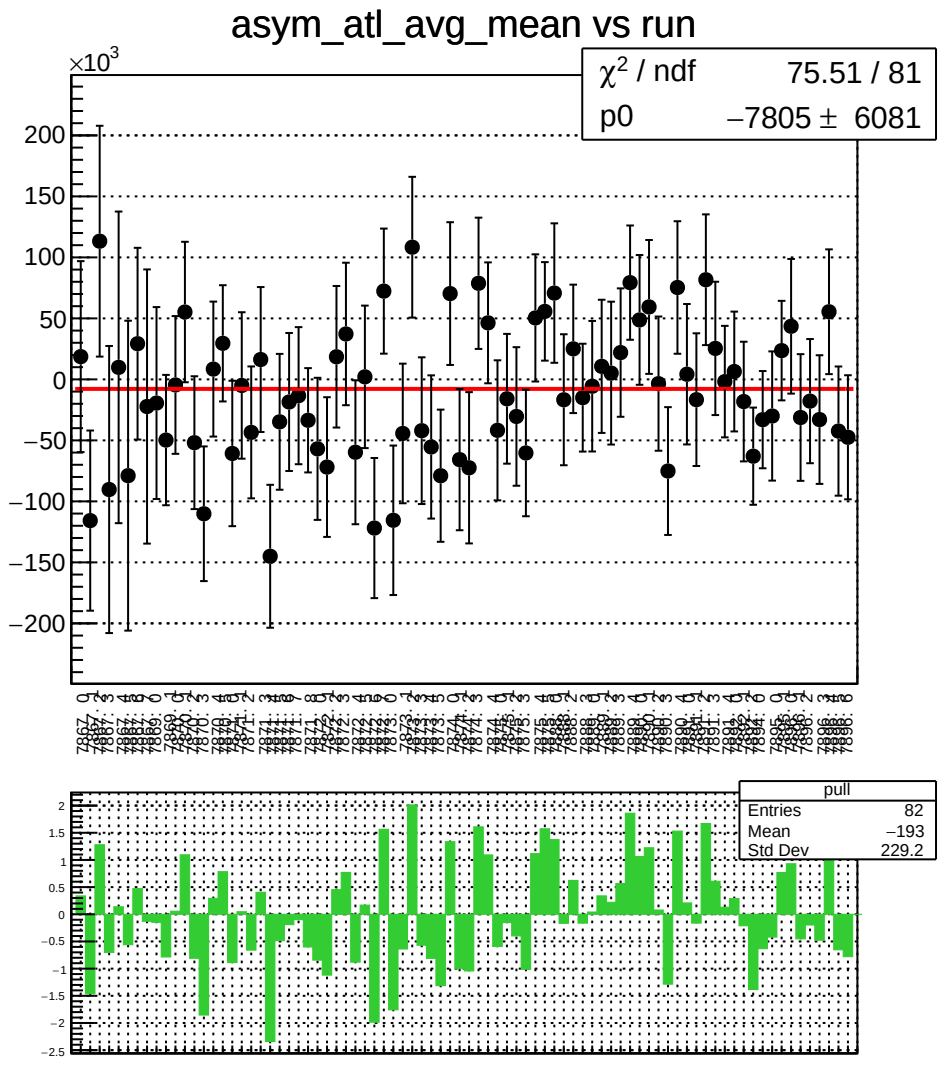

pull1D
Entries 82
Mean 0.009069
Std Dev 0.8595
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

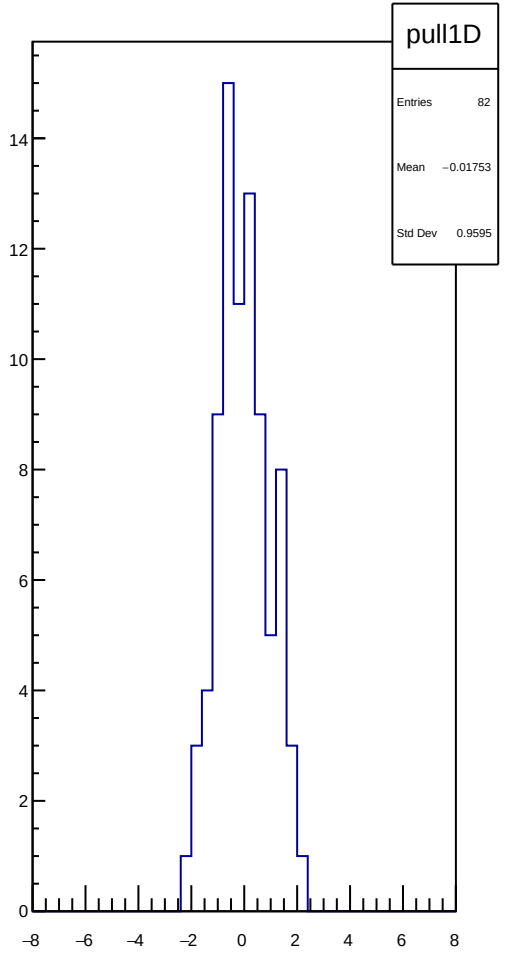

dit_asym_atl_avg_rms vs run
χ² / ndf 2421 / 81
p0 1679 ± 1.339
2000
1950
1900
1850
1800
1750
1700
1650
1600

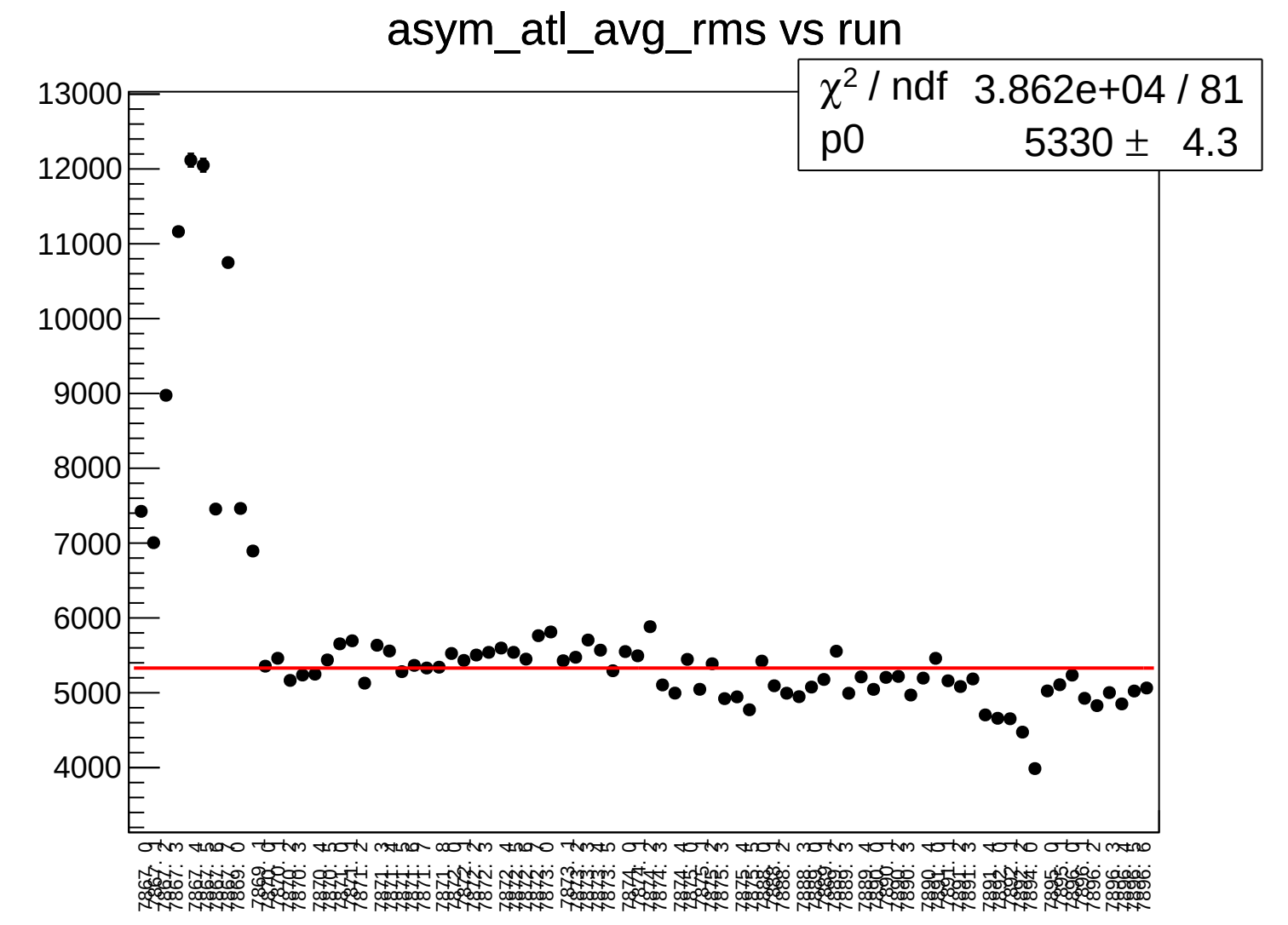

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 75.51 / 81
p0 5003 ± 5760
200
100
0
−100
−200
pull
Entries 82
Mean −145.1
Std Dev 179.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

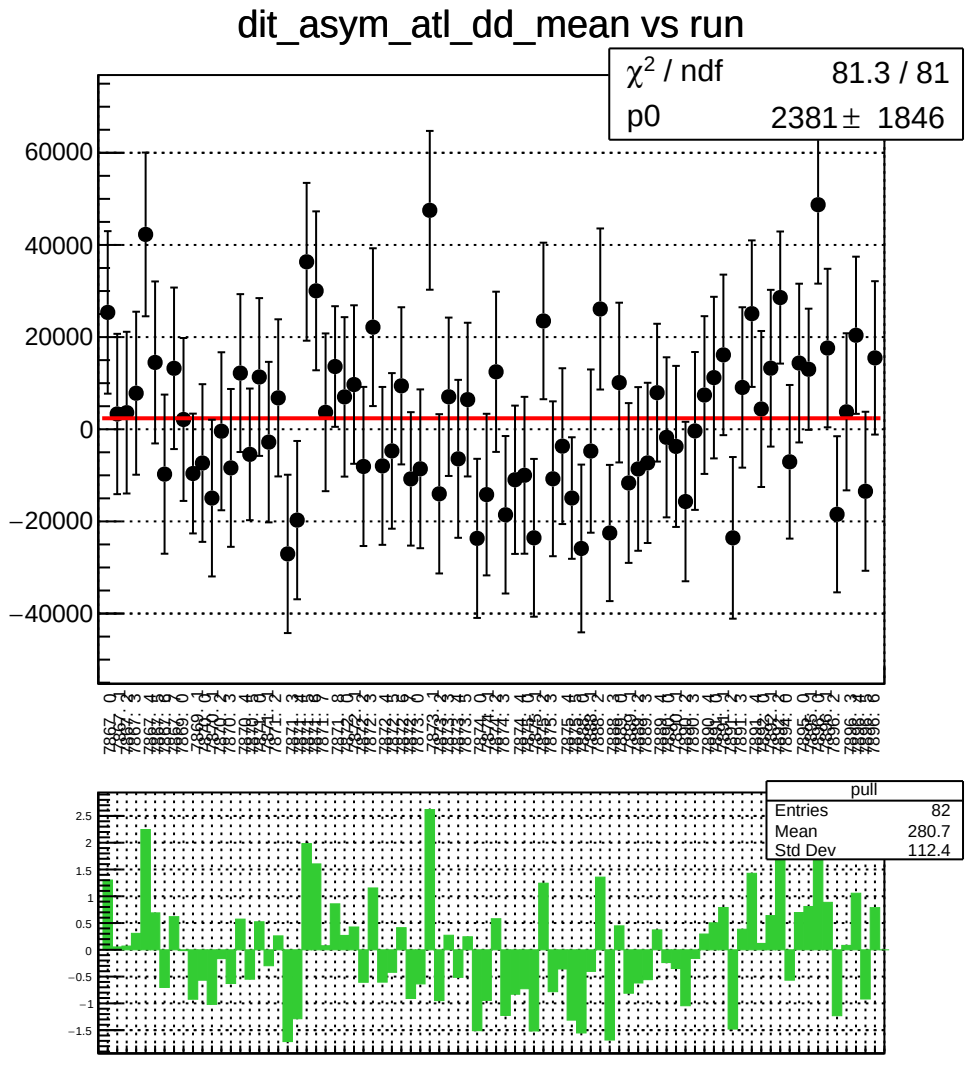

pull1D
Entries 82
Mean 0.01934
Std Dev 0.9594
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

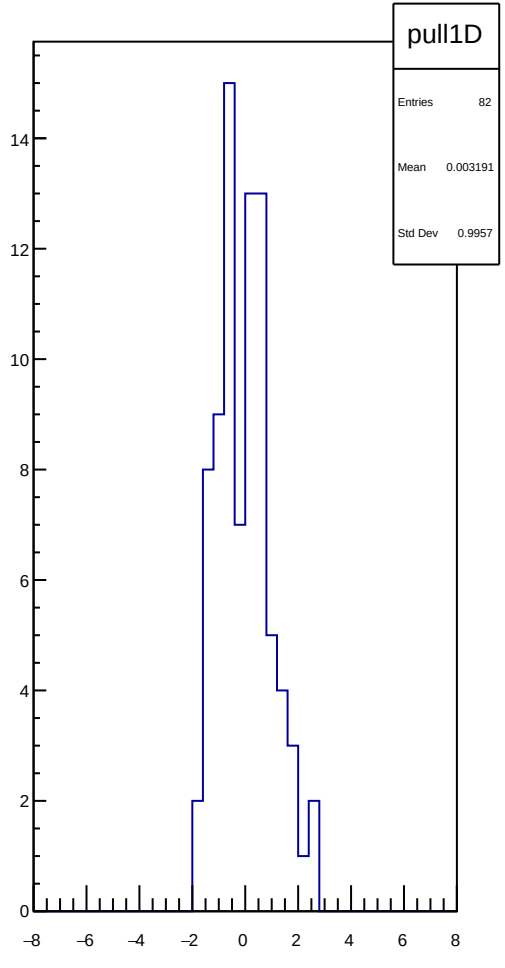

asym_atl_avg_correction_rms vs run
χ² / ndf 3.263e+04 / 81
p0 5058 ± 4.073
12000
11000
10000
9000
8000
7000
6000
5000
4000

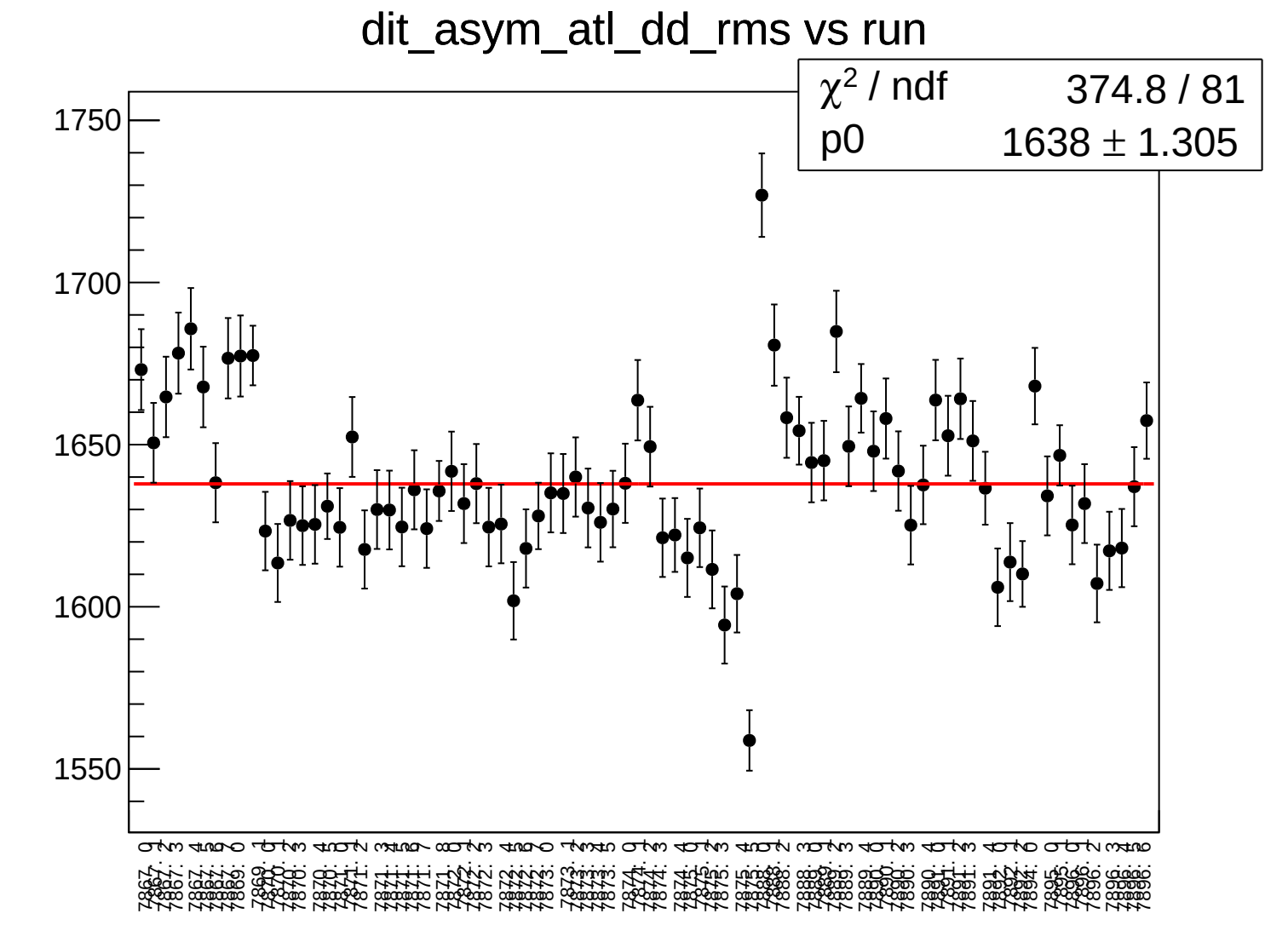

asym_atl_avg_mean vs run
×10^3
χ² / ndf 75.51 / 81
p0 −7805 ± 6081
pull
Entries 82
Mean −193
Std Dev 229.2

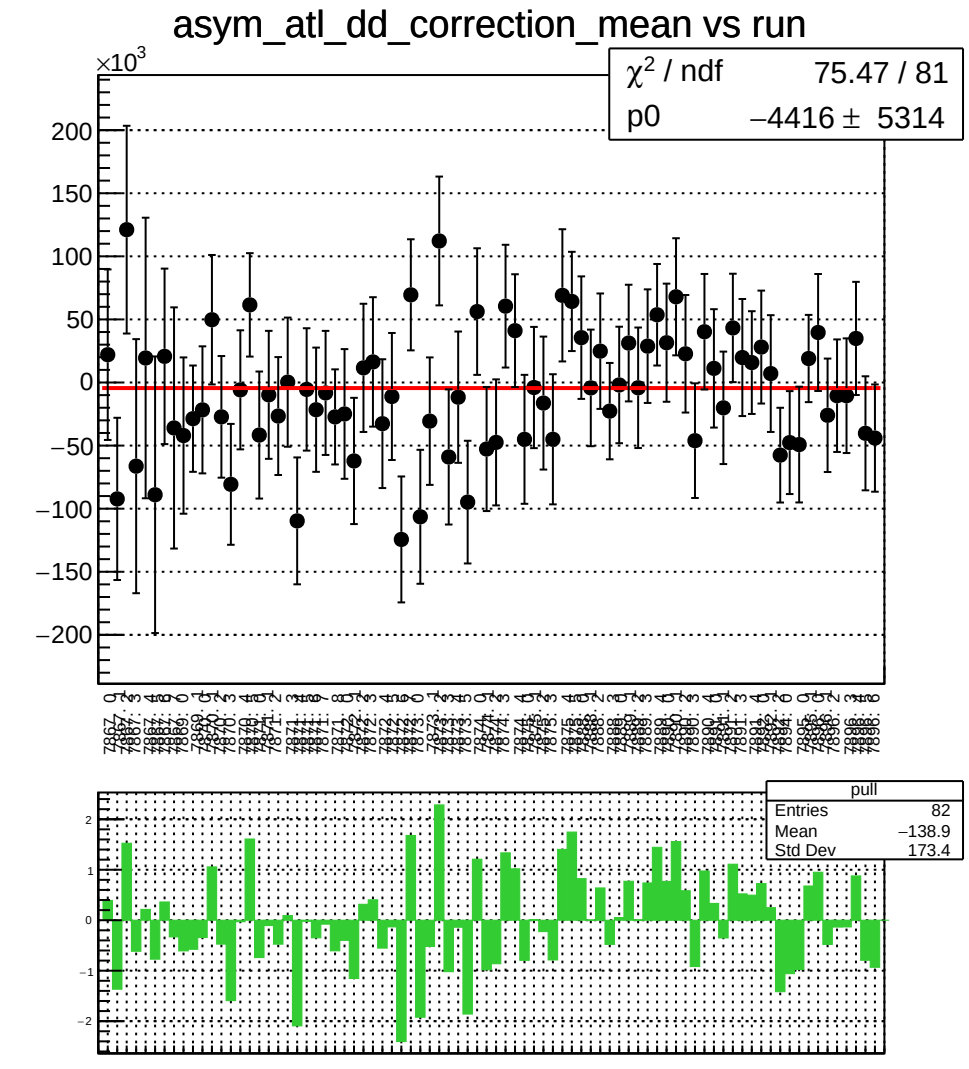

pull1D
Entries 82
Mean −0.01753
Std Dev 0.9595

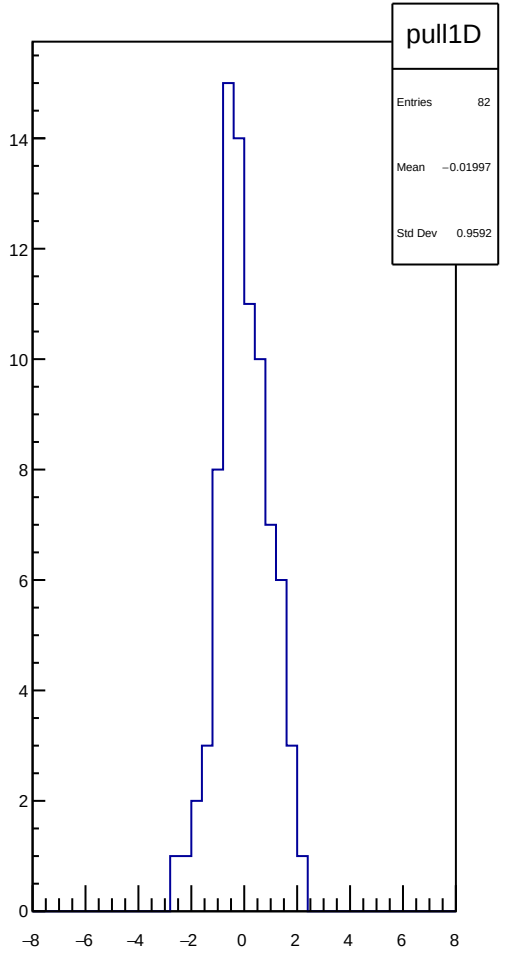

asym_atl_avg_rms vs run
χ² / ndf 3.862e+04 / 81
p0 5330 ± 4.3
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000

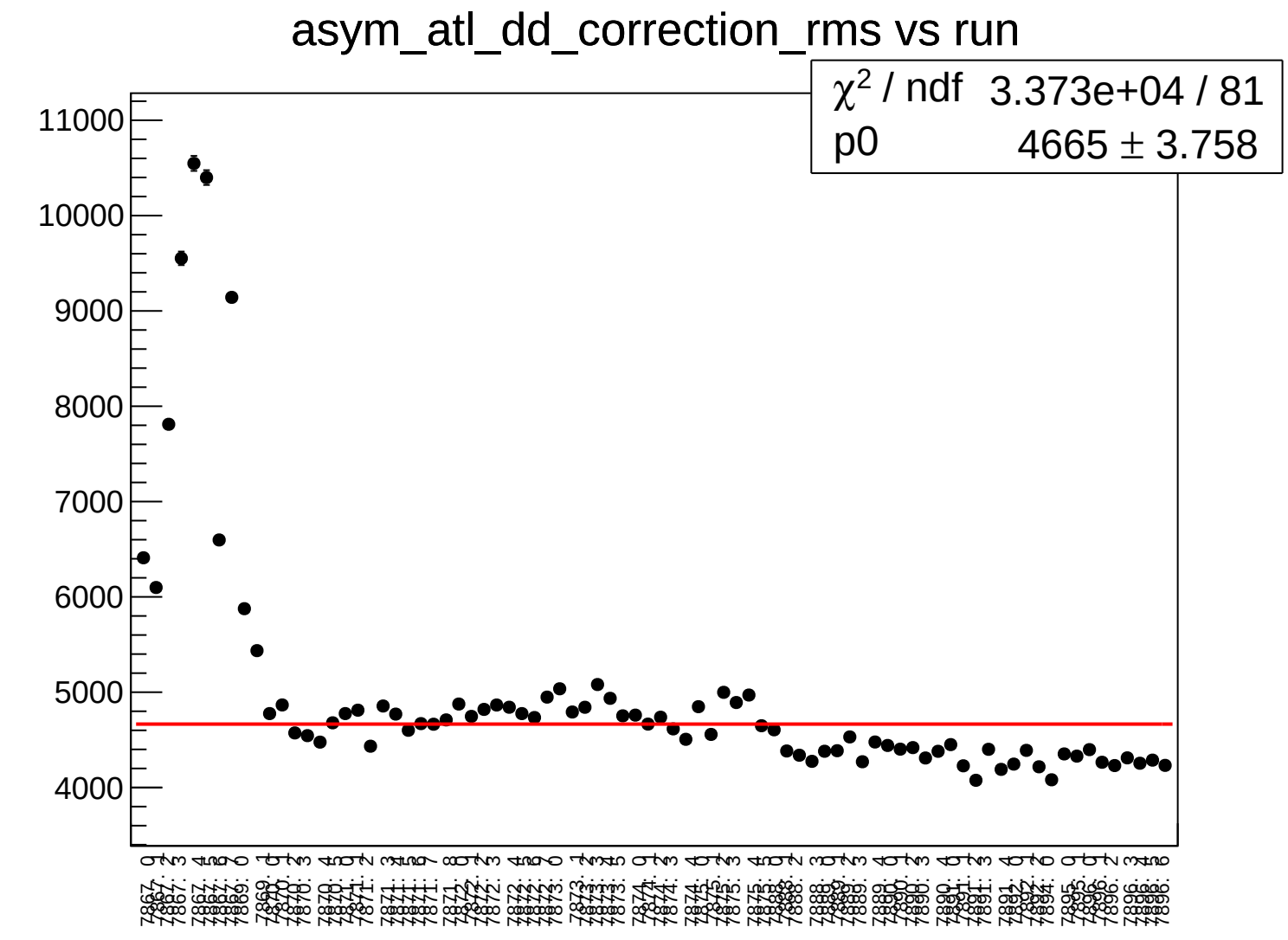

dit_asym_atl_dd_mean vs run
χ² / ndf 81.3 / 81
p0 2381 ± 1846
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 280.7
Std Dev 112.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

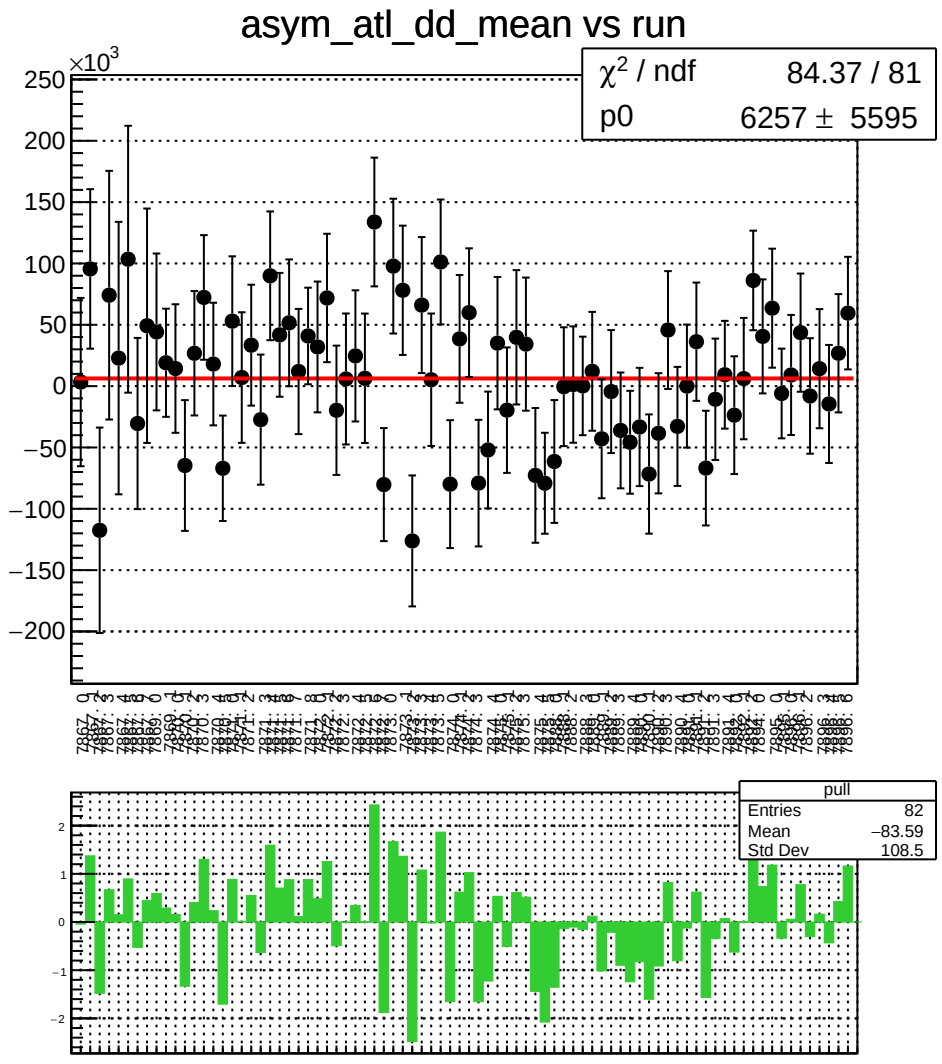

pull1D
Entries 82
Mean 0.003191
Std Dev 0.9957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

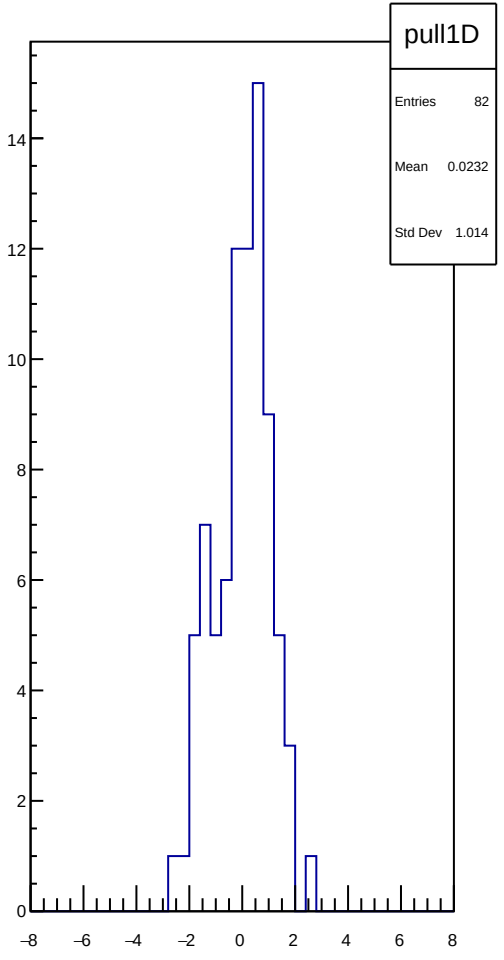

dit_asym_atl_dd_rms vs run
χ² / ndf 374.8 / 81
p0 1638 ± 1.305
1750
1700
1650
1600
1550

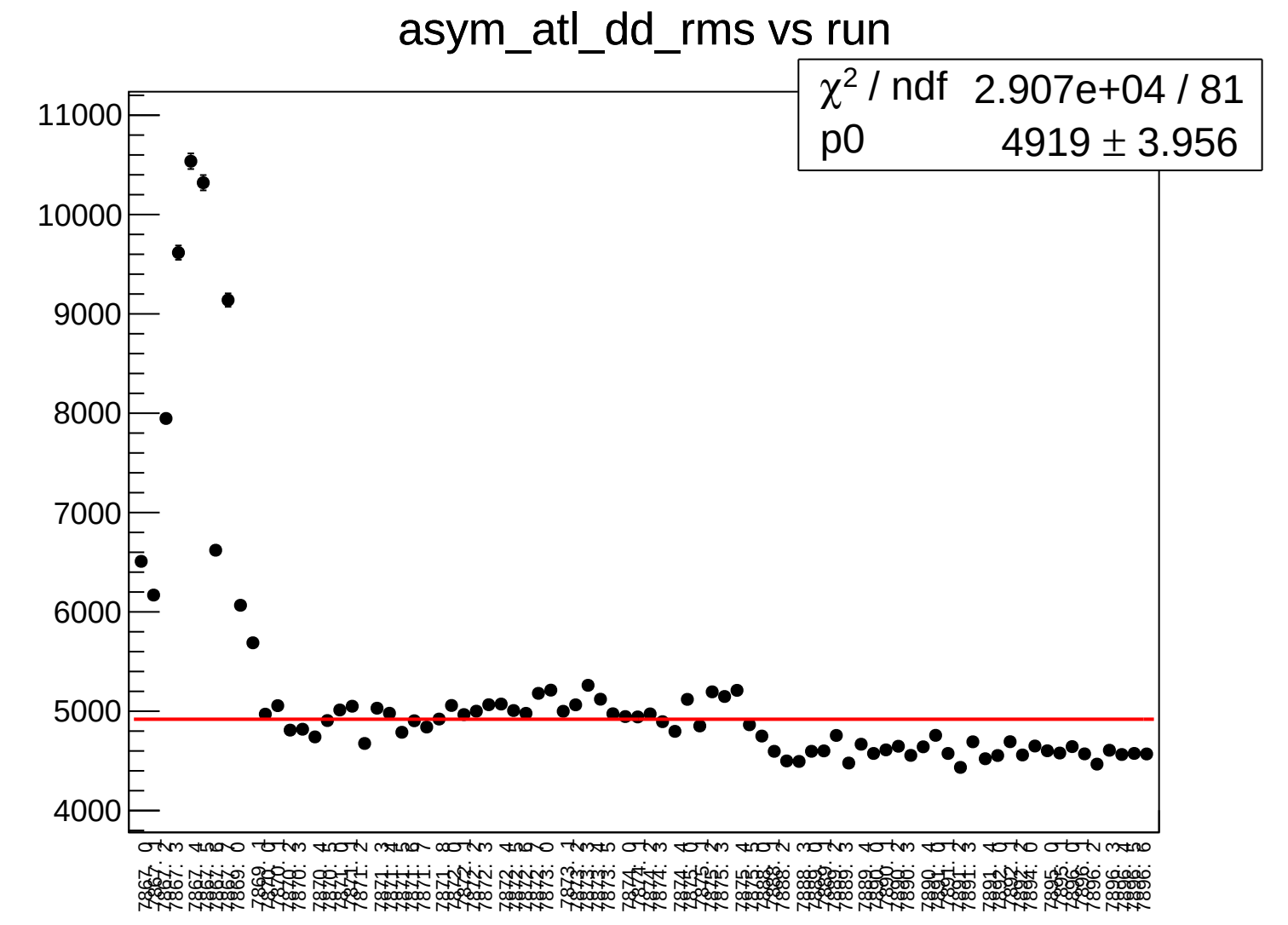

asym_atl_dd_correction_mean vs run
χ² / ndf 75.47 / 81
p0 −4416 ± 5314
×10³
pull
Entries 82
Mean −138.9
Std Dev 173.4

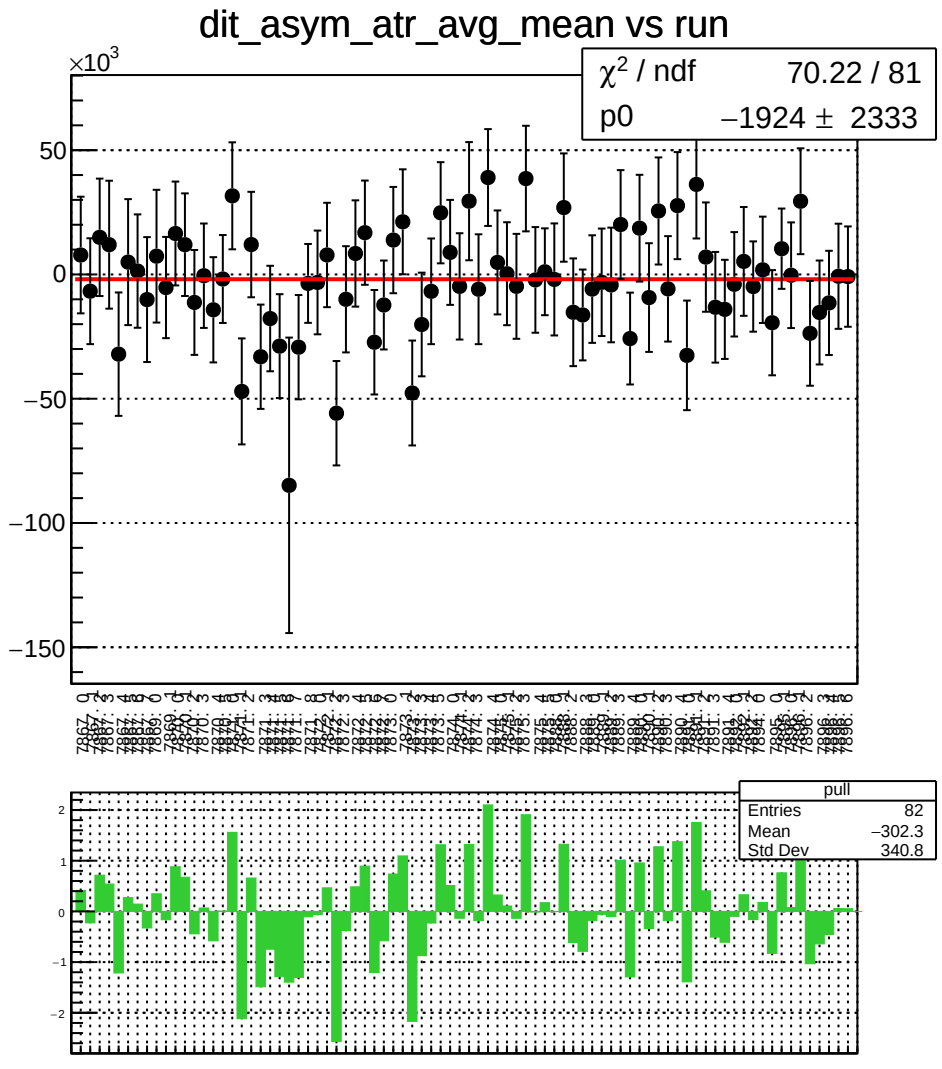

pull1D
Entries 82
Mean −0.01997
Std Dev 0.9592

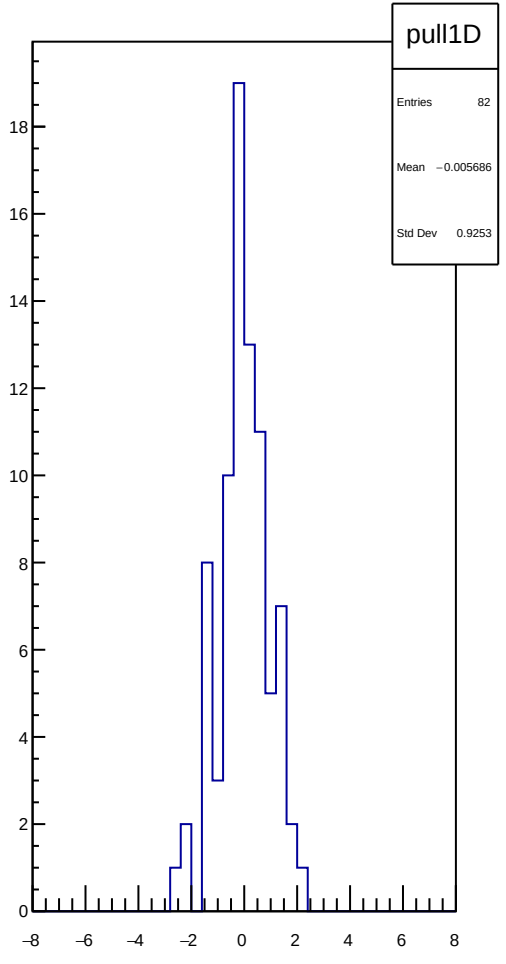

asym_atl_dd_correction_rms vs run
χ^2 / ndf 3.373e+04 / 81
p0 4665 ± 3.758
11000
10000
9000
8000
7000
6000
5000
4000

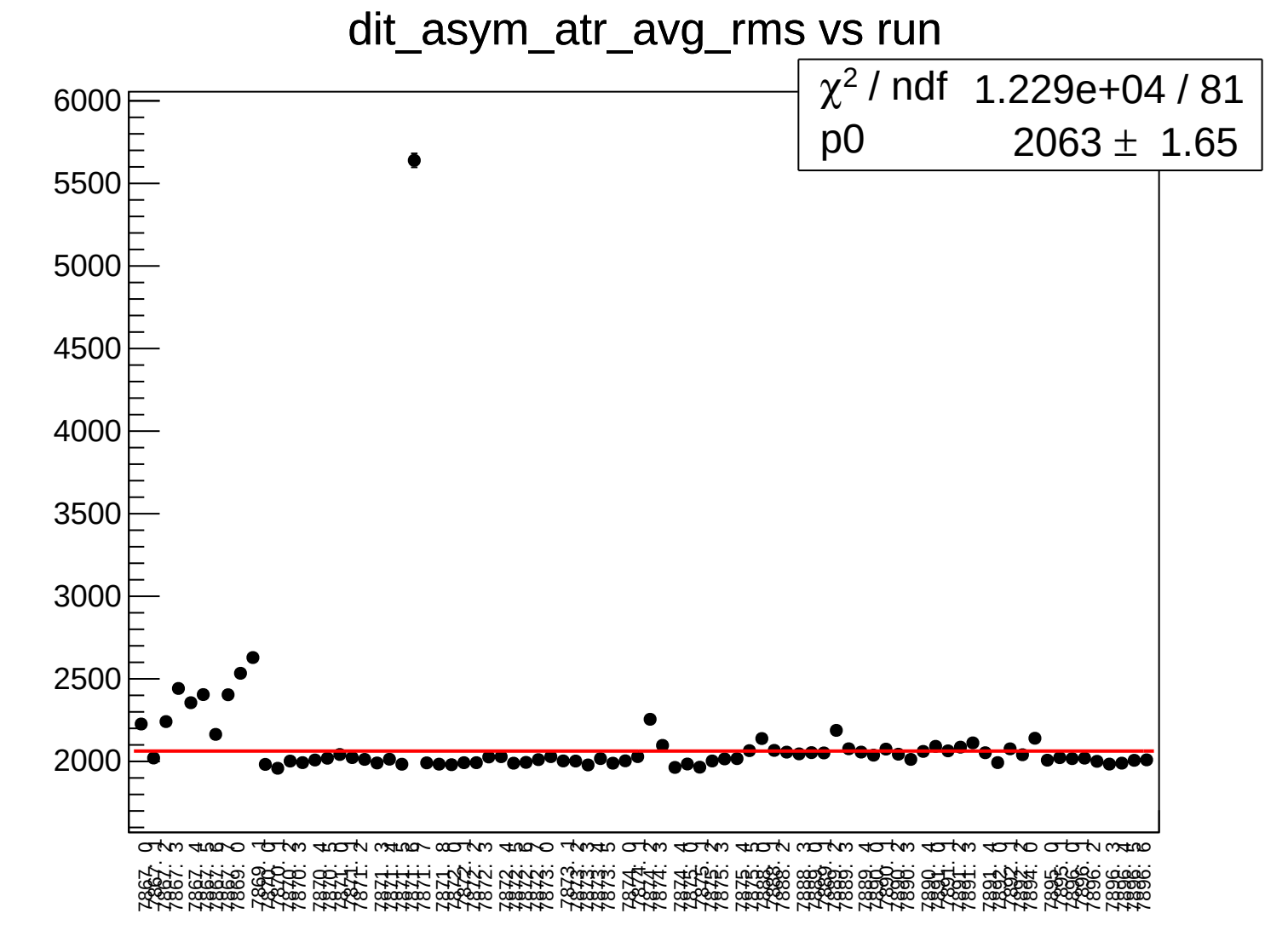

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 84.37 / 81
p0 6257 ± 5595
pull
Entries 82
Mean −83.59
Std Dev 108.5

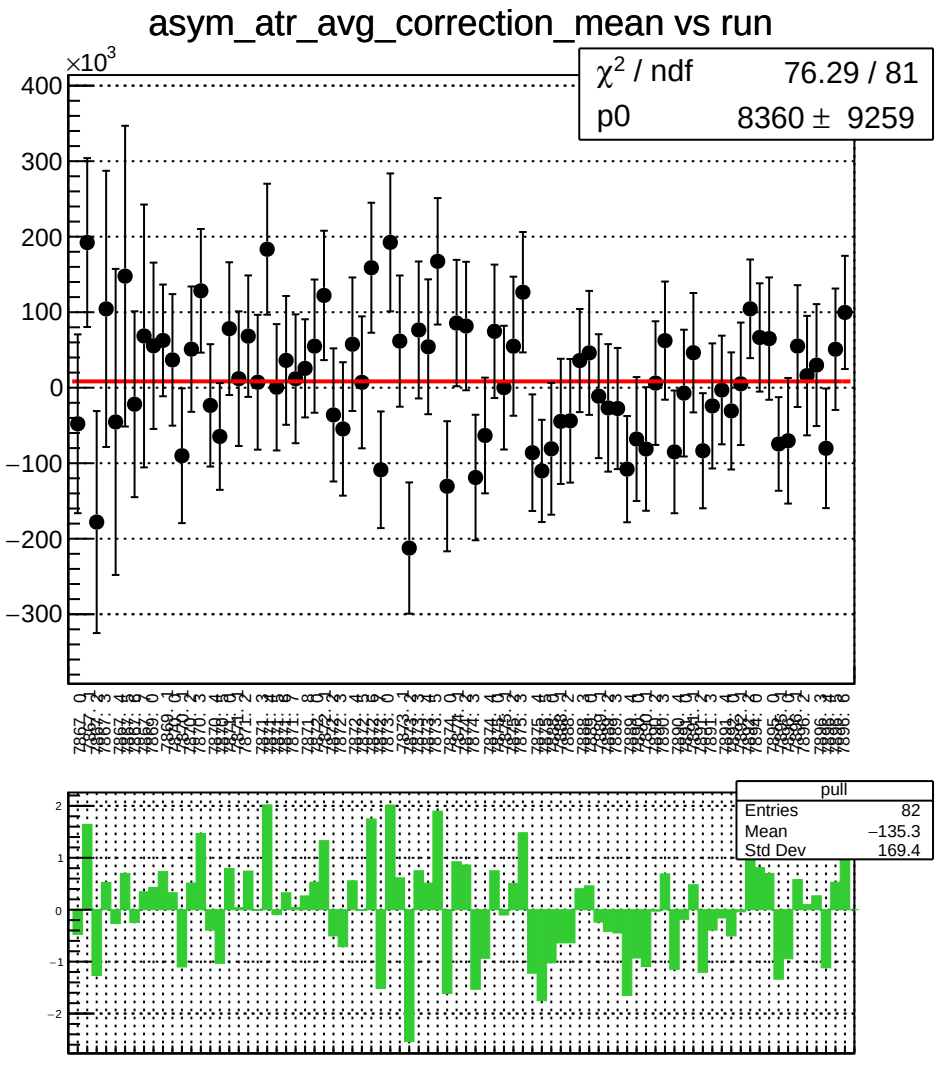

pull1D
Entries 82
Mean 0.0232
Std Dev 1.014

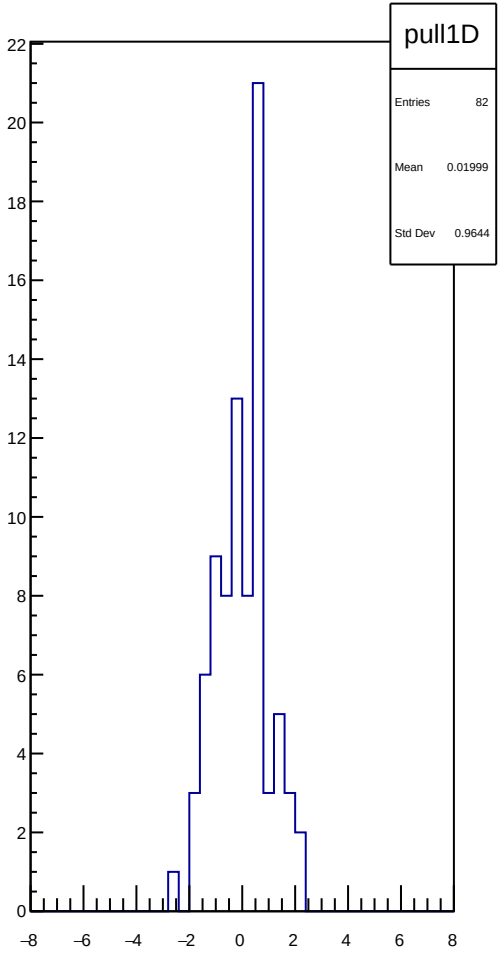

asym_atl_dd_rms vs run
χ^2 / ndf 2.907e+04 / 81
p0 4919 ± 3.956
11000
10000
9000
8000
7000
6000
5000
4000

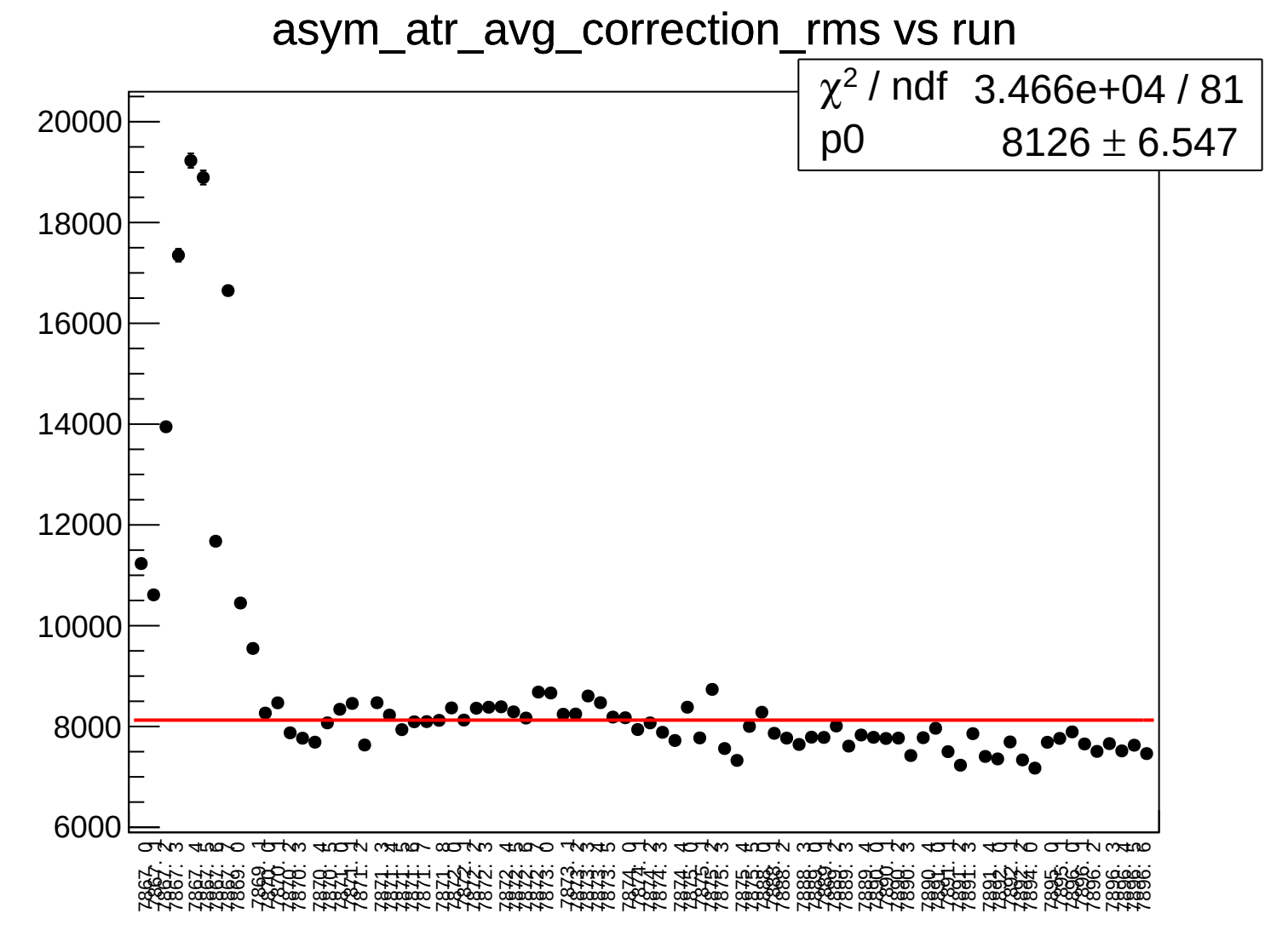

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 70.22 / 81
p0 −1924 ± 2333
50
0
−50
−100
−150
pull
Entries 82
Mean −302.3
Std Dev 340.8
2
1
0
−1
−2

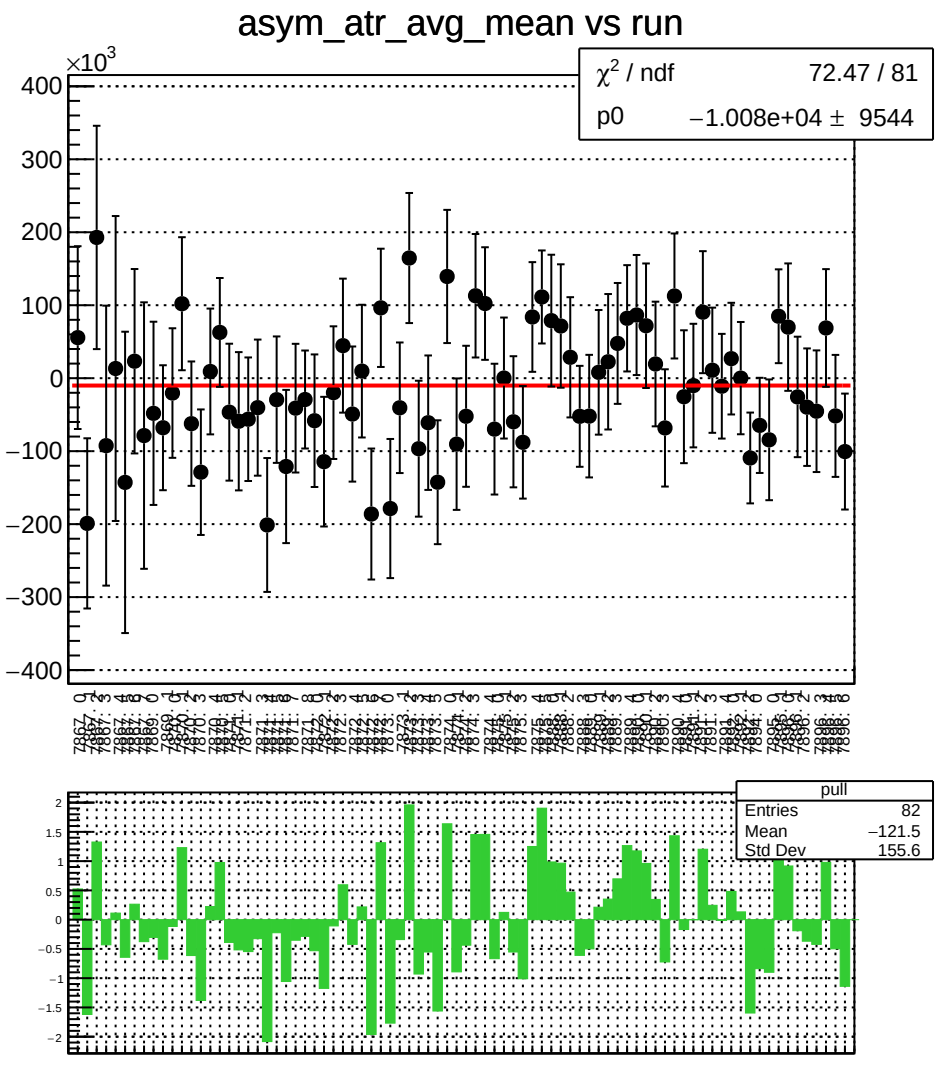

pull1D
Entries 82
Mean −0.005686
Std Dev 0.9253
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

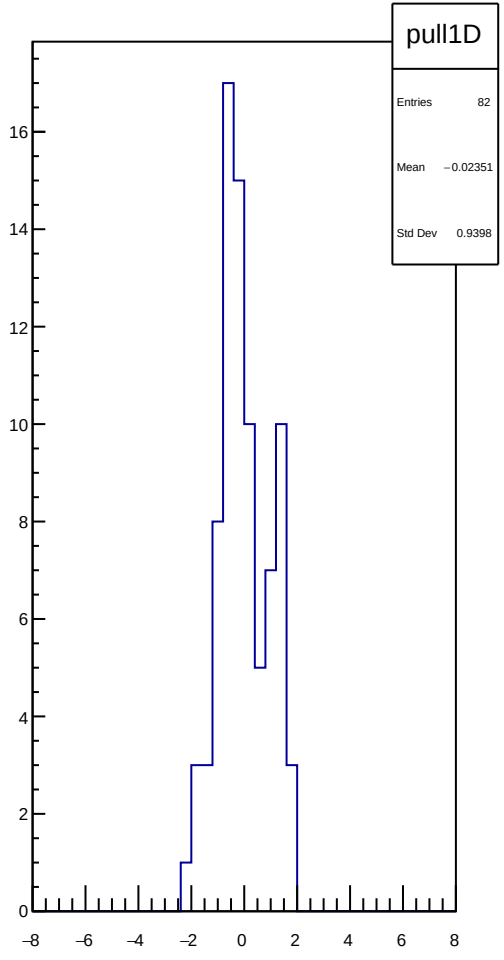

dit_asym_atr_avg_rms vs run
χ² / ndf 1.229e+04 / 81
p0 2063 ± 1.65
6000
5500
5000
4500
4000
3500
3000
2500
2000

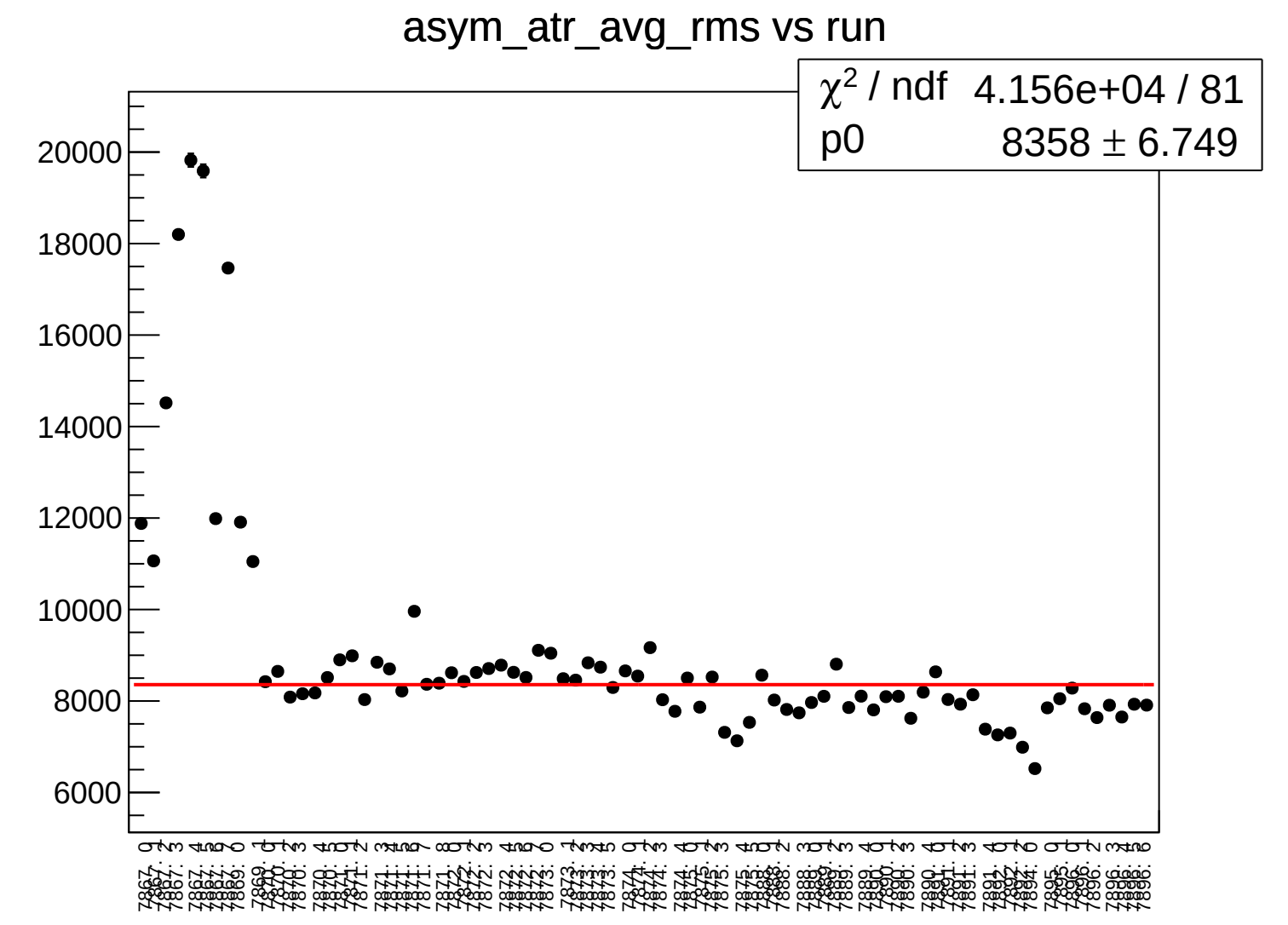

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 76.29 / 81
p0 8360 ± 9259
pull
Entries 82
Mean −135.3
Std Dev 169.4

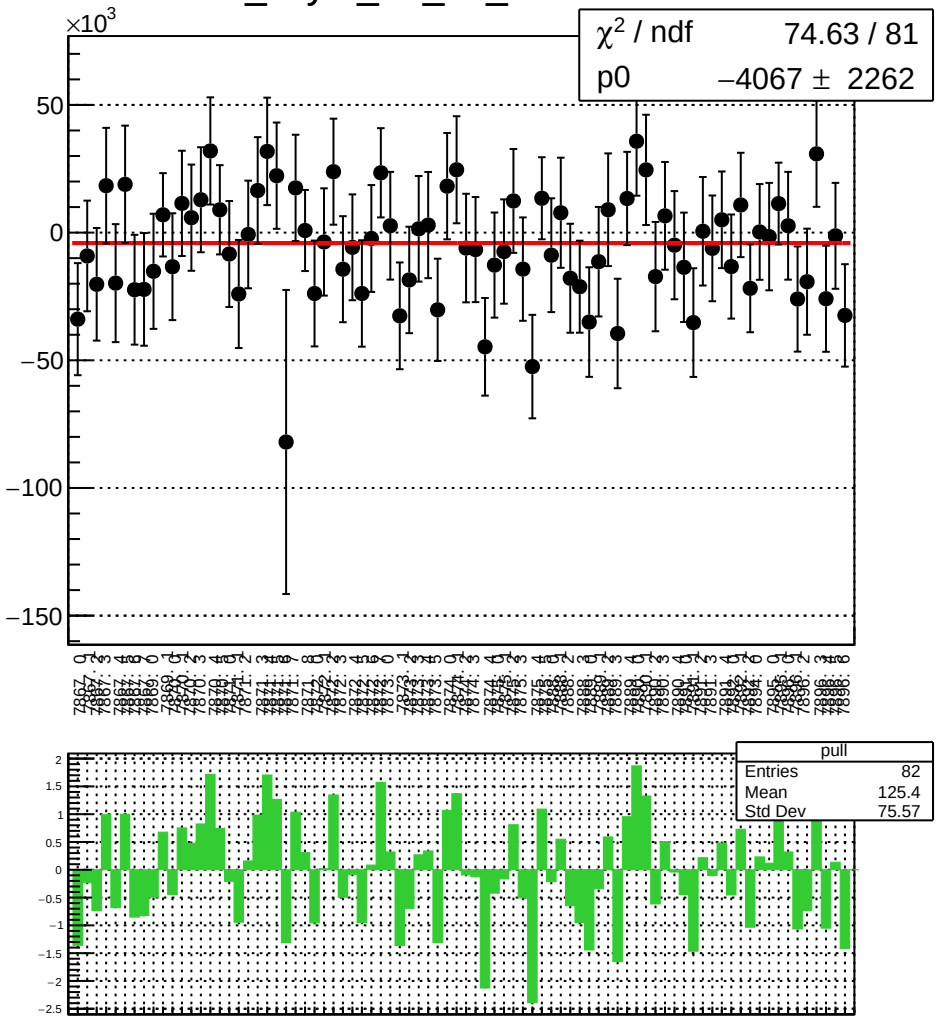

pull1D
Entries 82
Mean 0.01999
Std Dev 0.9644

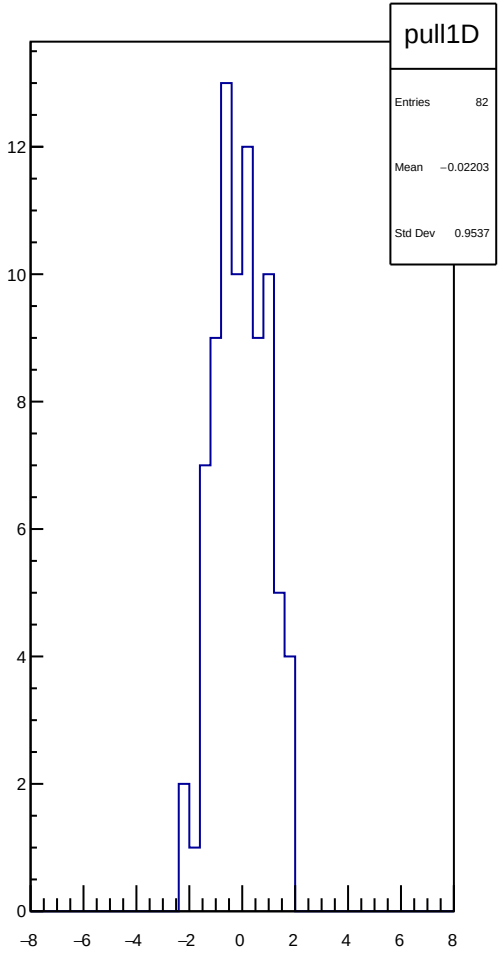

asym_atr_avg_correction_rms vs run
χ² / ndf 3.466e+04 / 81
p0 8126 ± 6.547
20000
18000
16000
14000
12000
10000
8000
6000

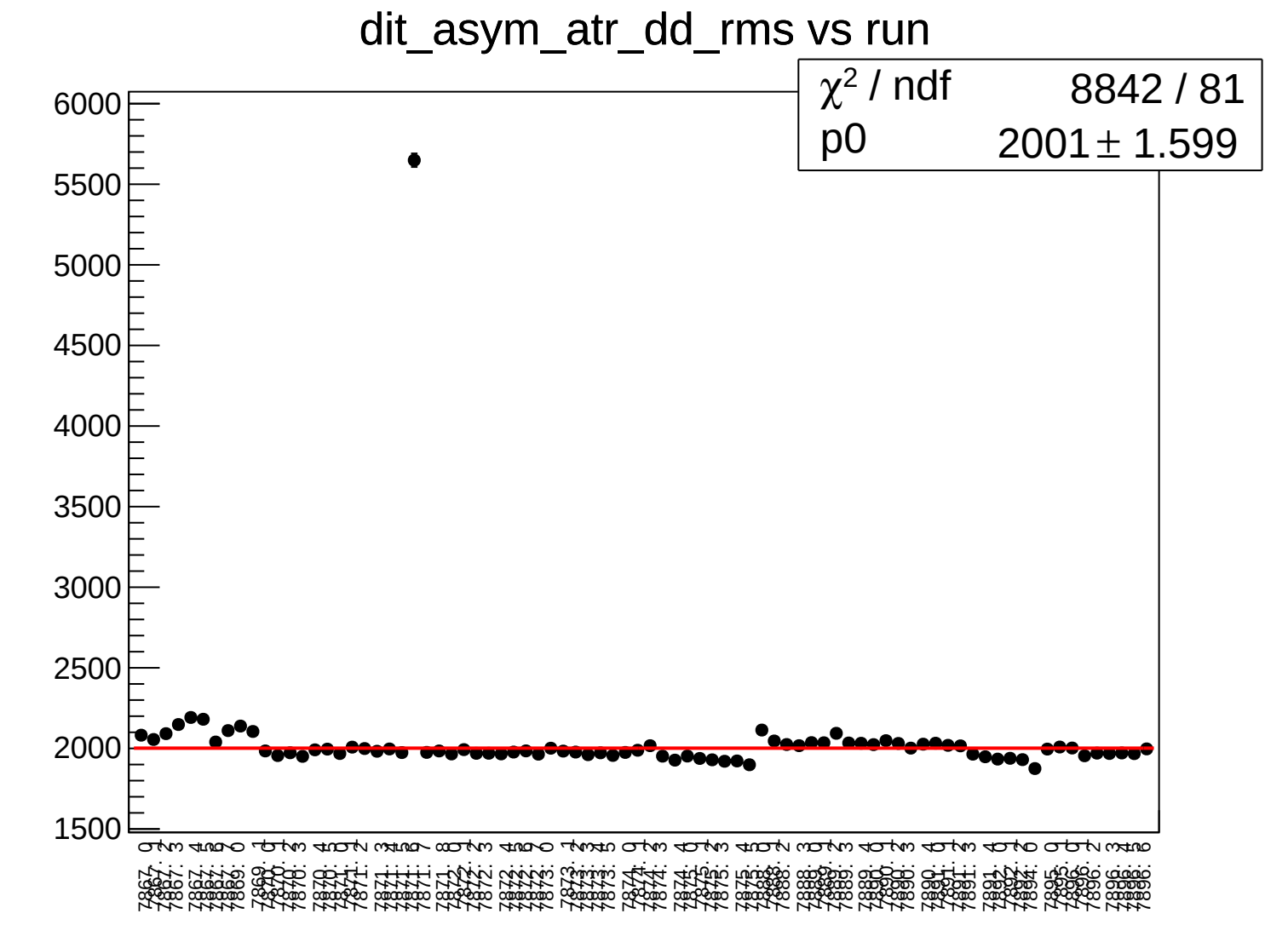

asym_atr_avg_mean vs run
×10^3
χ² / ndf 72.47 / 81
p0 −1.008e+04 ± 9544
pull
Entries 82
Mean −121.5
Std Dev 155.6

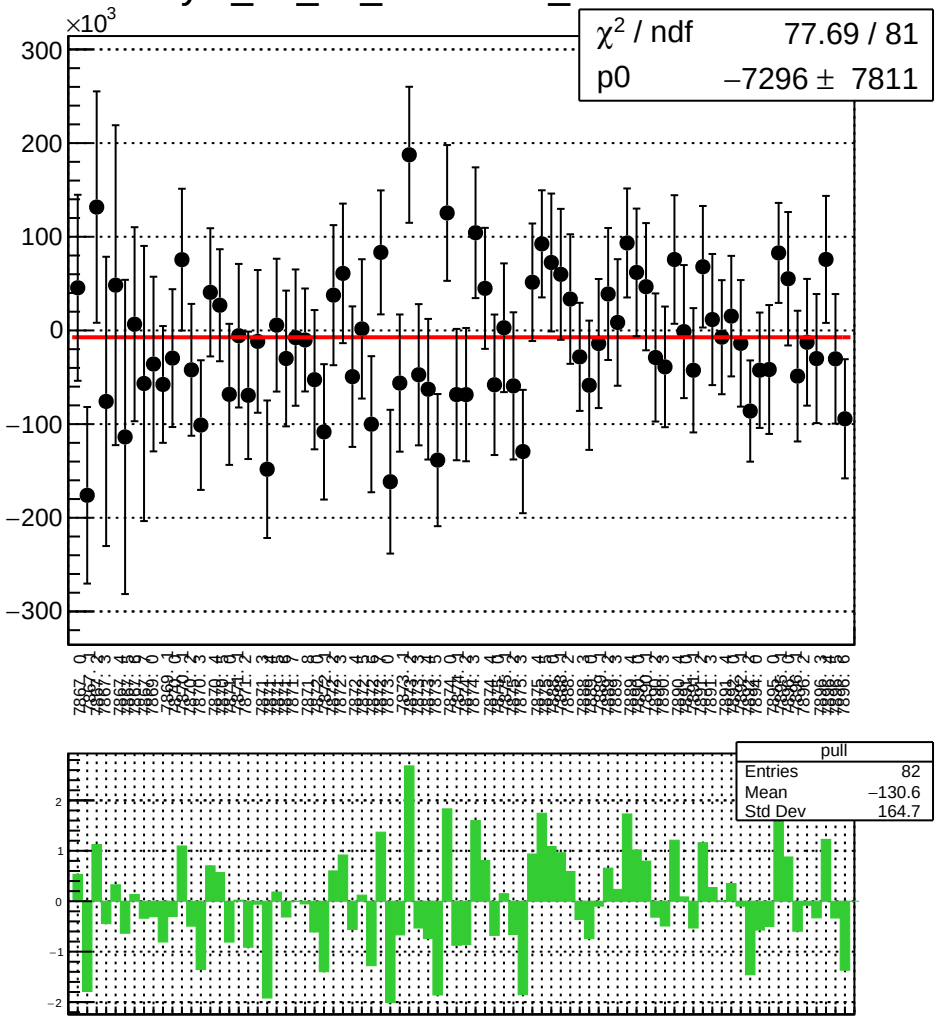

pull1D
Entries 82
Mean −0.02351
Std Dev 0.9398

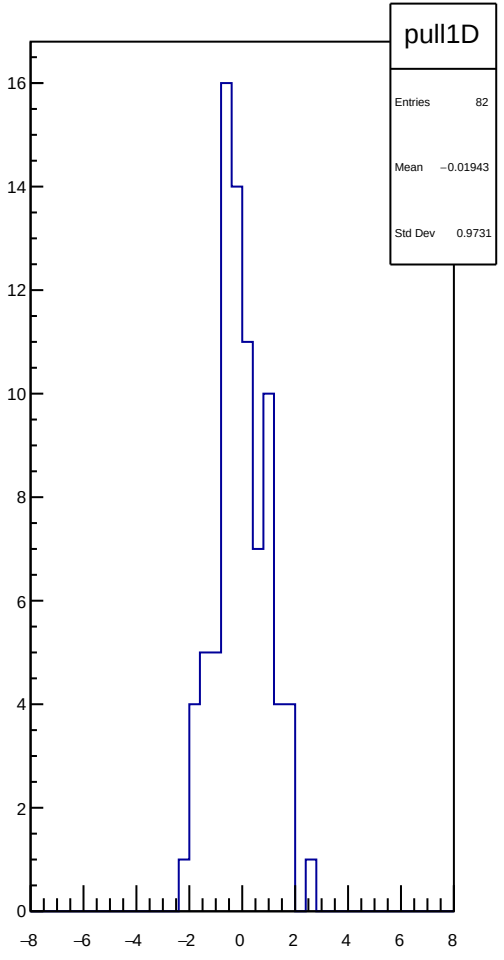

asym_atr_avg_rms vs run
χ^2 / ndf 4.156e+04 / 81
p0 8358 ± 6.749
20000
18000
16000
14000
12000
10000
8000
6000

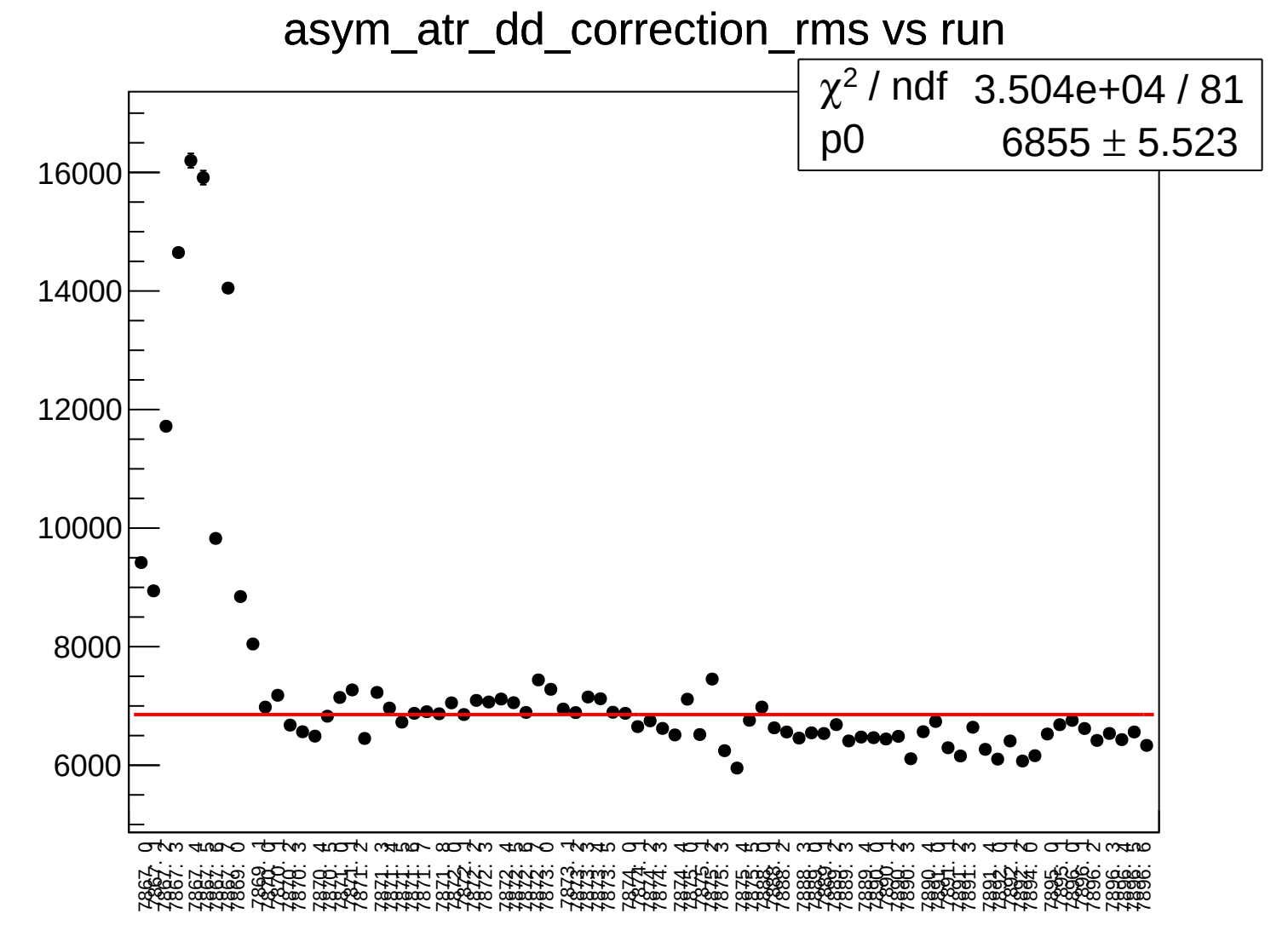

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 74.63 / 81
p0 −4067 ± 2262
50
0
−50
−100
−150
pull
Entries 82
Mean 125.4
Std Dev 75.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

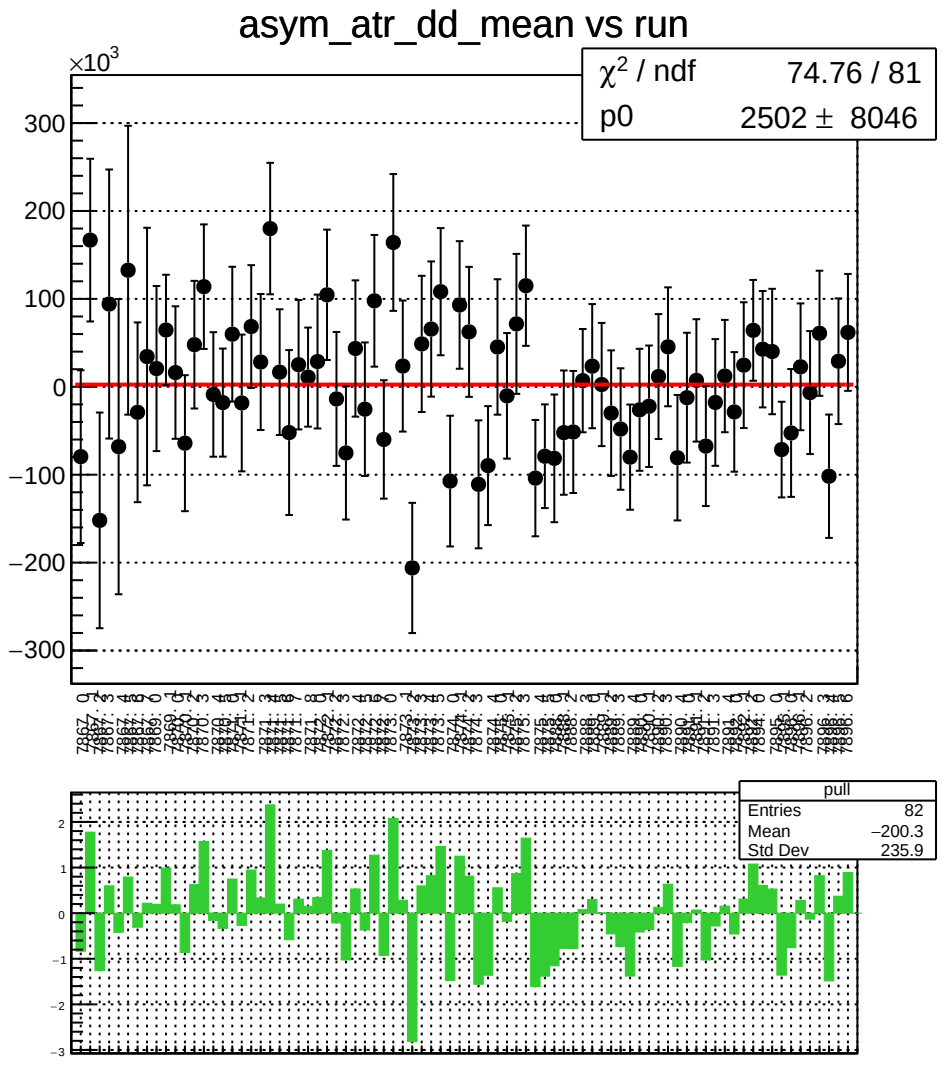

pull1D
Entries 82
Mean −0.02203
Std Dev 0.9537
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

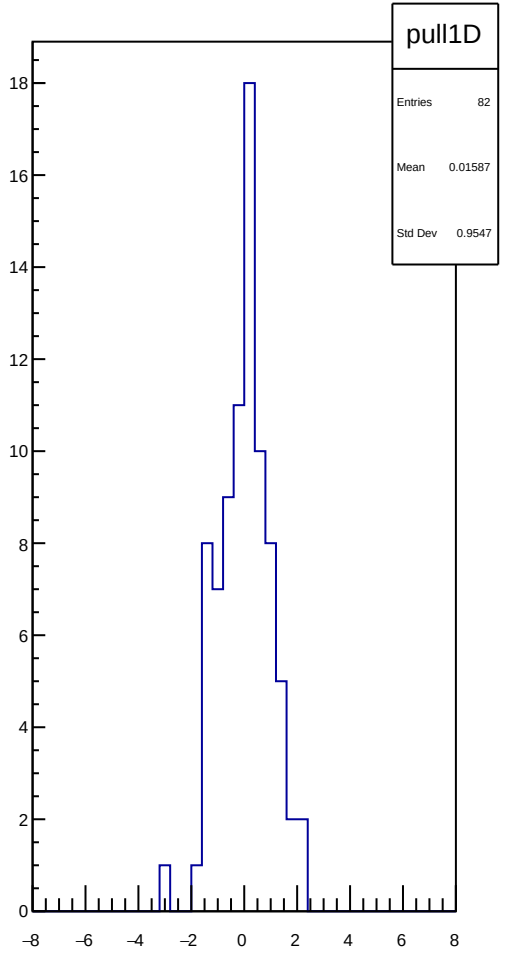

dit_asym_atr_dd_rms vs run
χ² / ndf 8842 / 81
p0 2001 ± 1.599
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

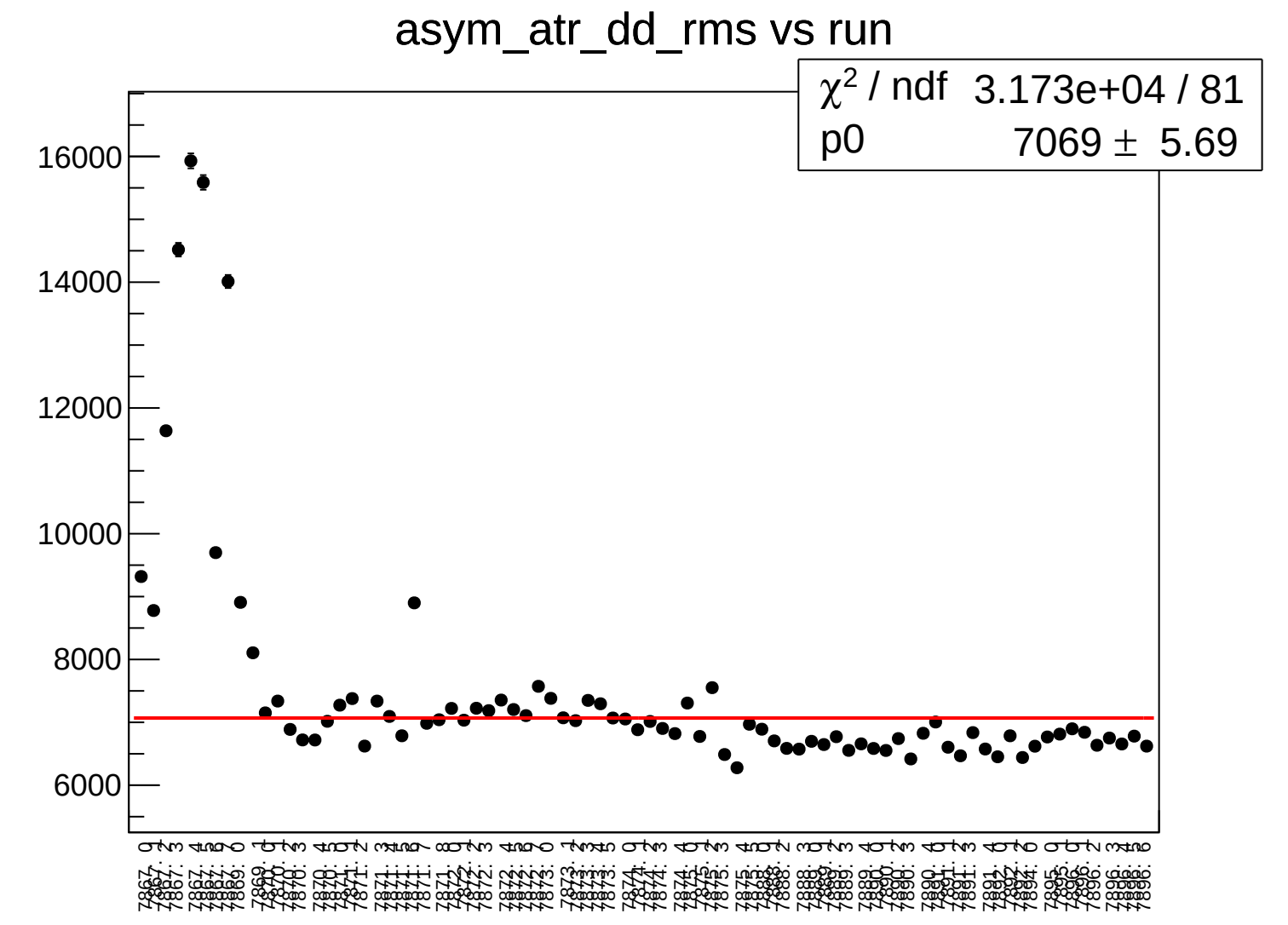

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 77.69 / 81
p0 −7296 ± 7811
pull
Entries 82
Mean −130.6
Std Dev 164.7

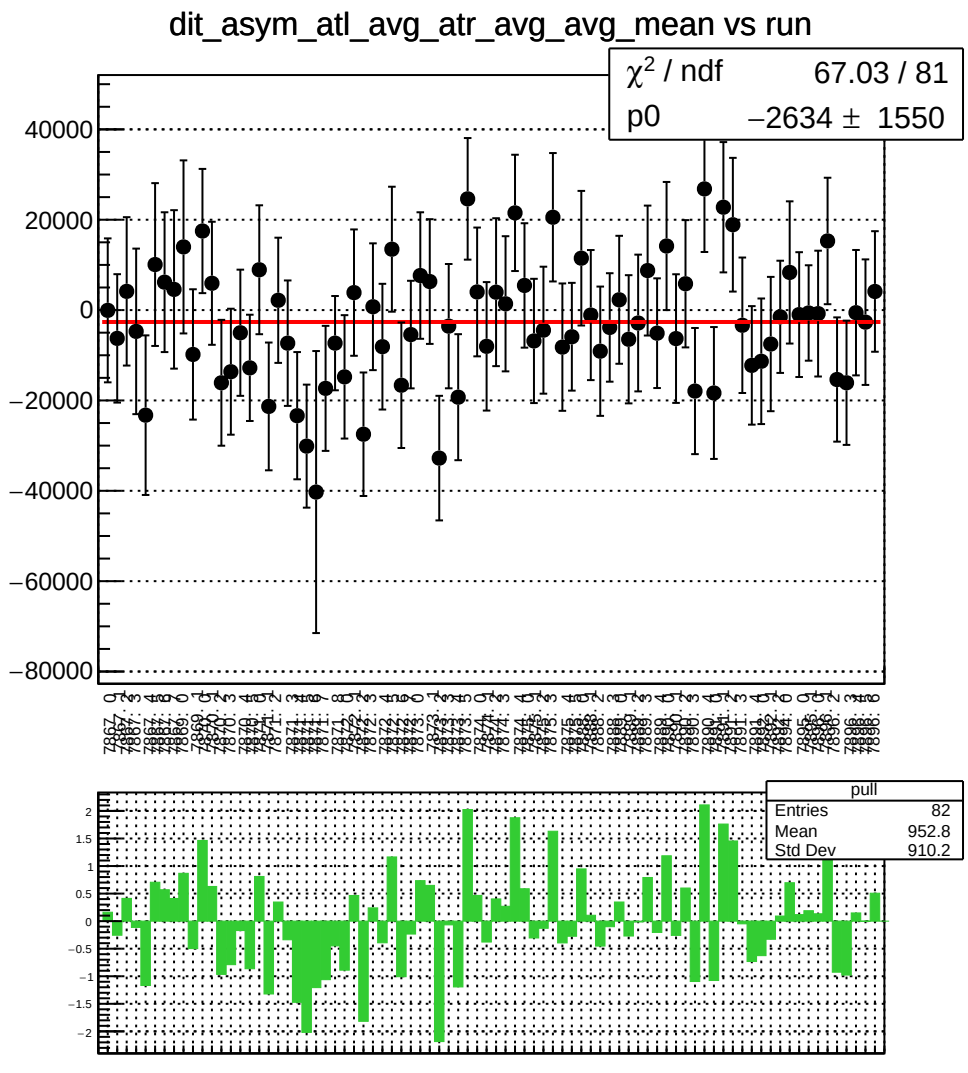

pull1D
Entries 82
Mean −0.01943
Std Dev 0.9731

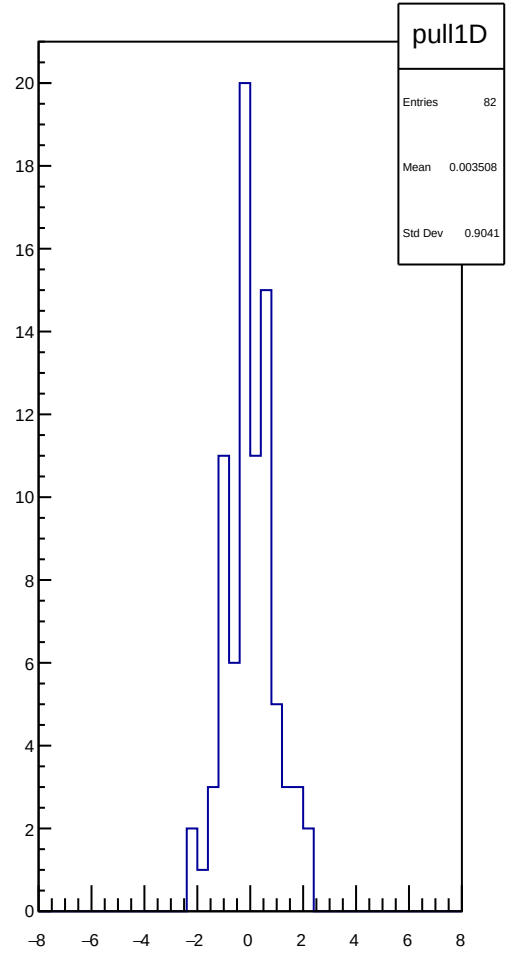

asym_atr_dd_correction_rms vs run
χ² / ndf 3.504e+04 / 81
p0 6855 ± 5.523
16000
14000
12000
10000
8000
6000

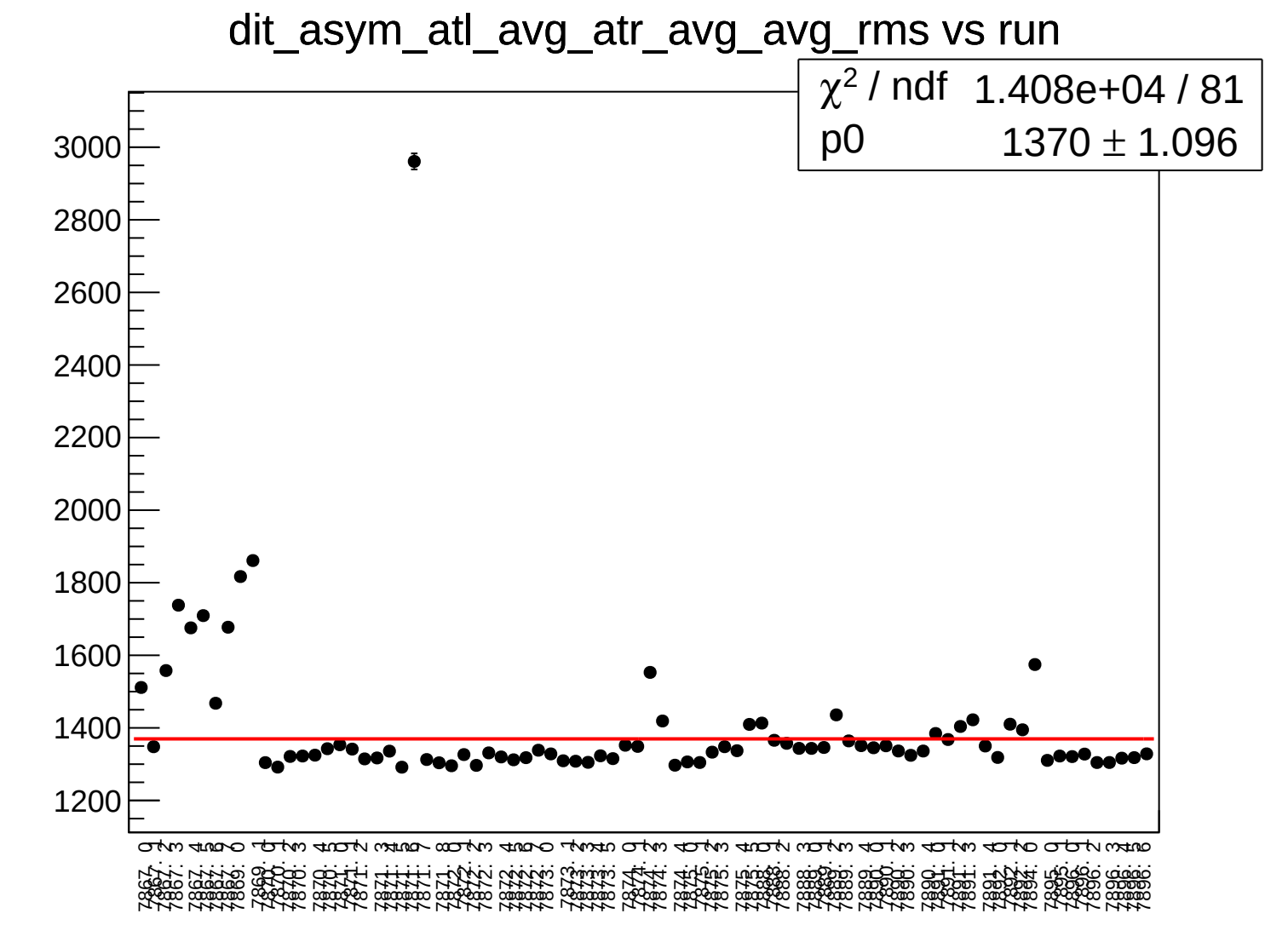

asym_atr_dd_mean vs run
×10^3
χ² / ndf 74.76 / 81
p0 2502 ± 8046
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean −200.3
Std Dev 235.9
2
1
0
−1
−2
−3

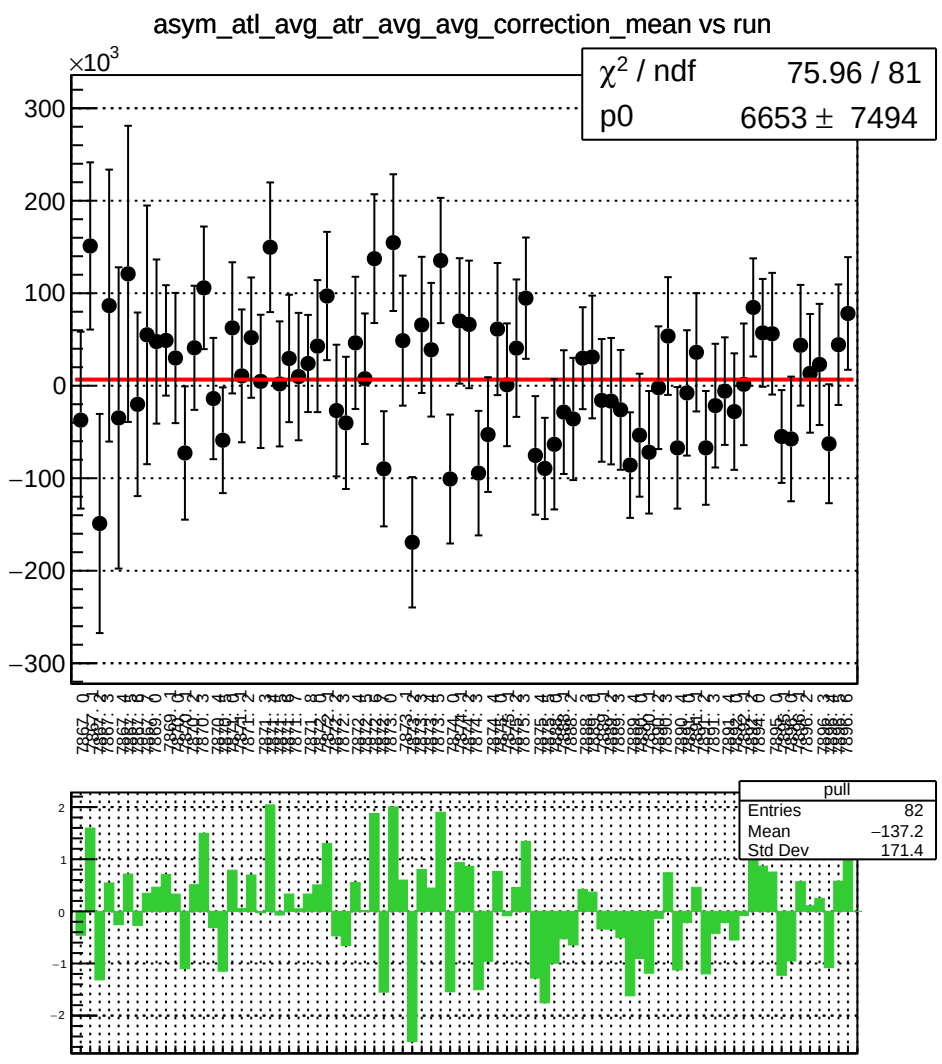

pull1D
Entries 82
Mean 0.01587
Std Dev 0.9547
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

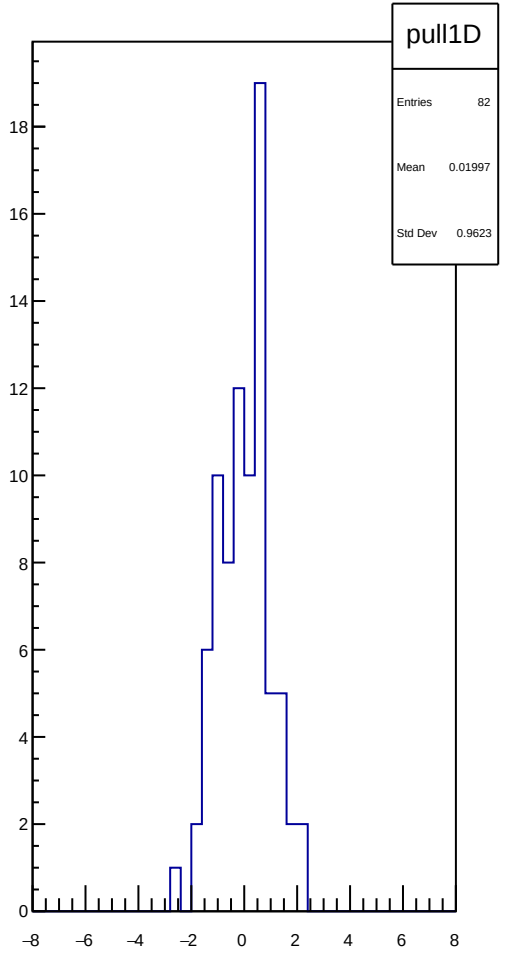

asym_atr_dd_rms vs run
χ² / ndf 3.173e+04 / 81
p0 7069 ± 5.69
16000
14000
12000
10000
8000
6000

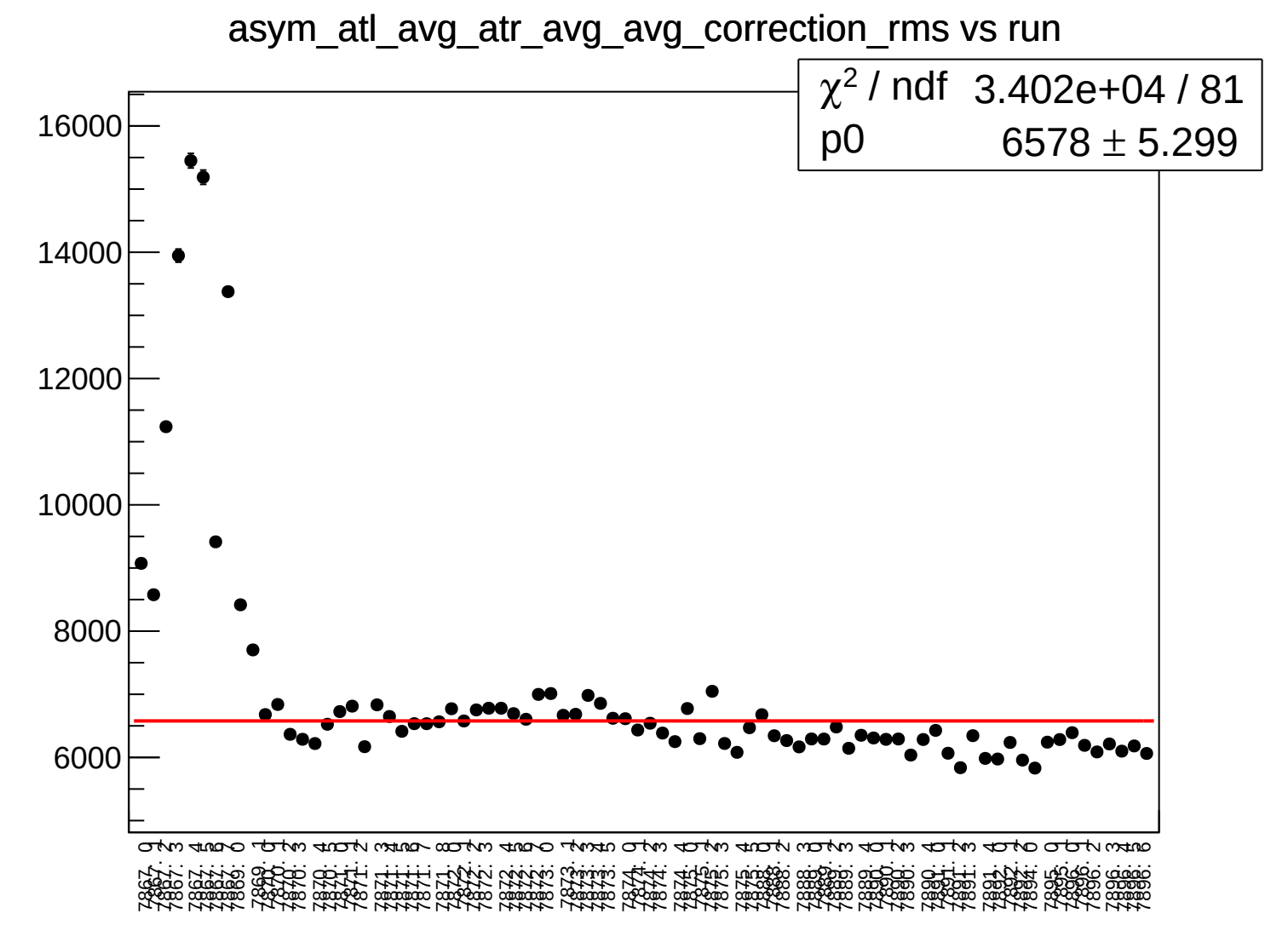

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 67.03 / 81
p0 −2634 ± 1550
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 952.8
Std Dev 910.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

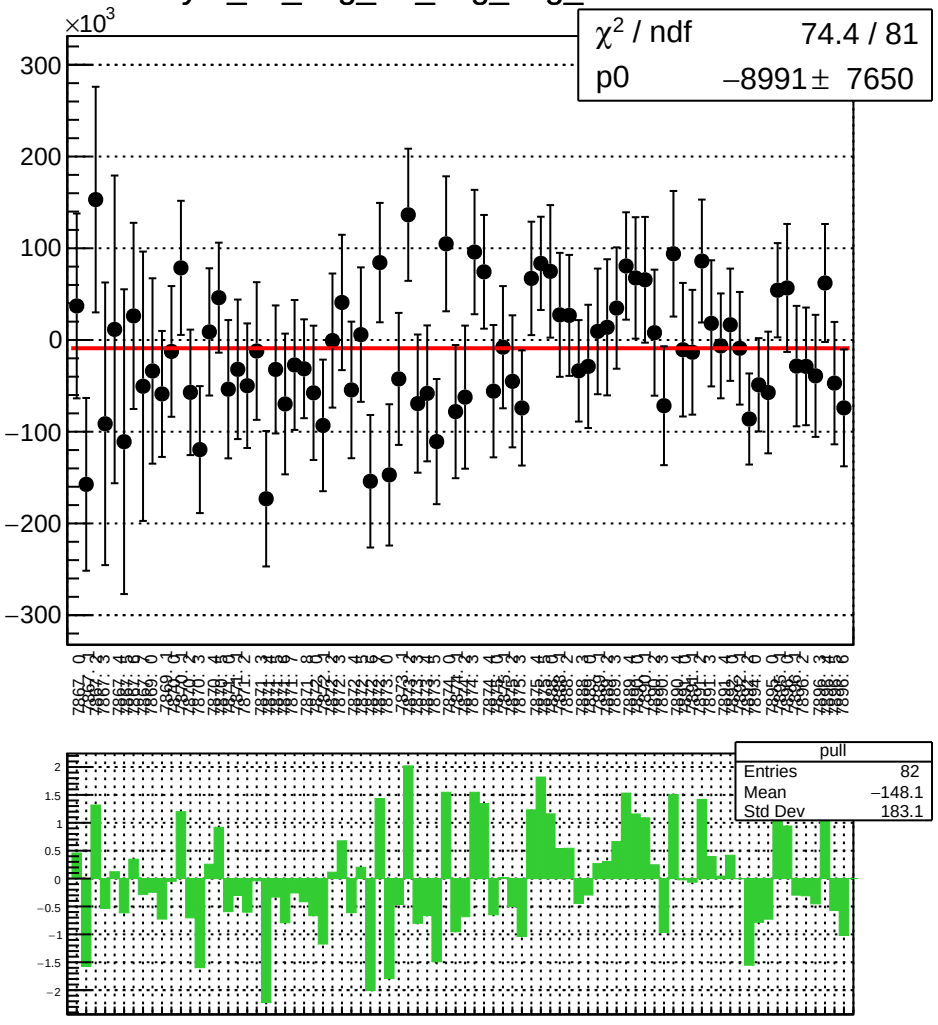

pull1D
Entries 82
Mean 0.003508
Std Dev 0.9041
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

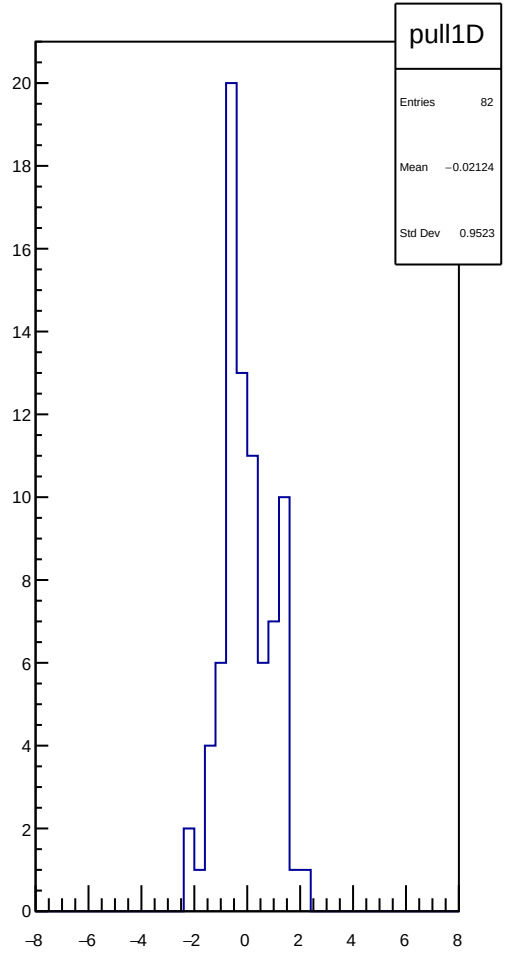

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.408e+04 / 81
p0 1370 ± 1.096
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

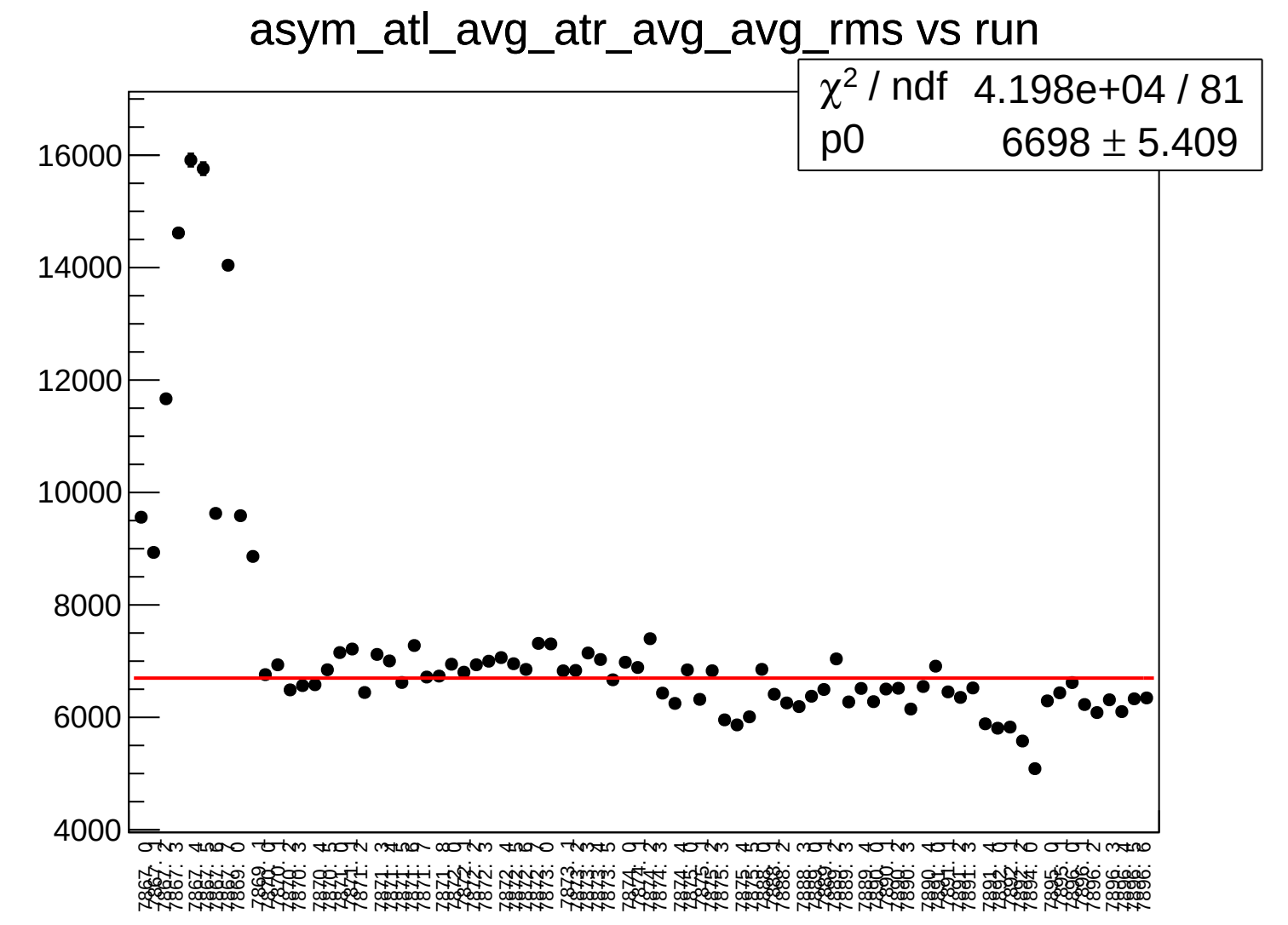

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 75.96 / 81
p0 6653 ± 7494
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean −137.2
Std Dev 171.4
2
1
0
−1
−2

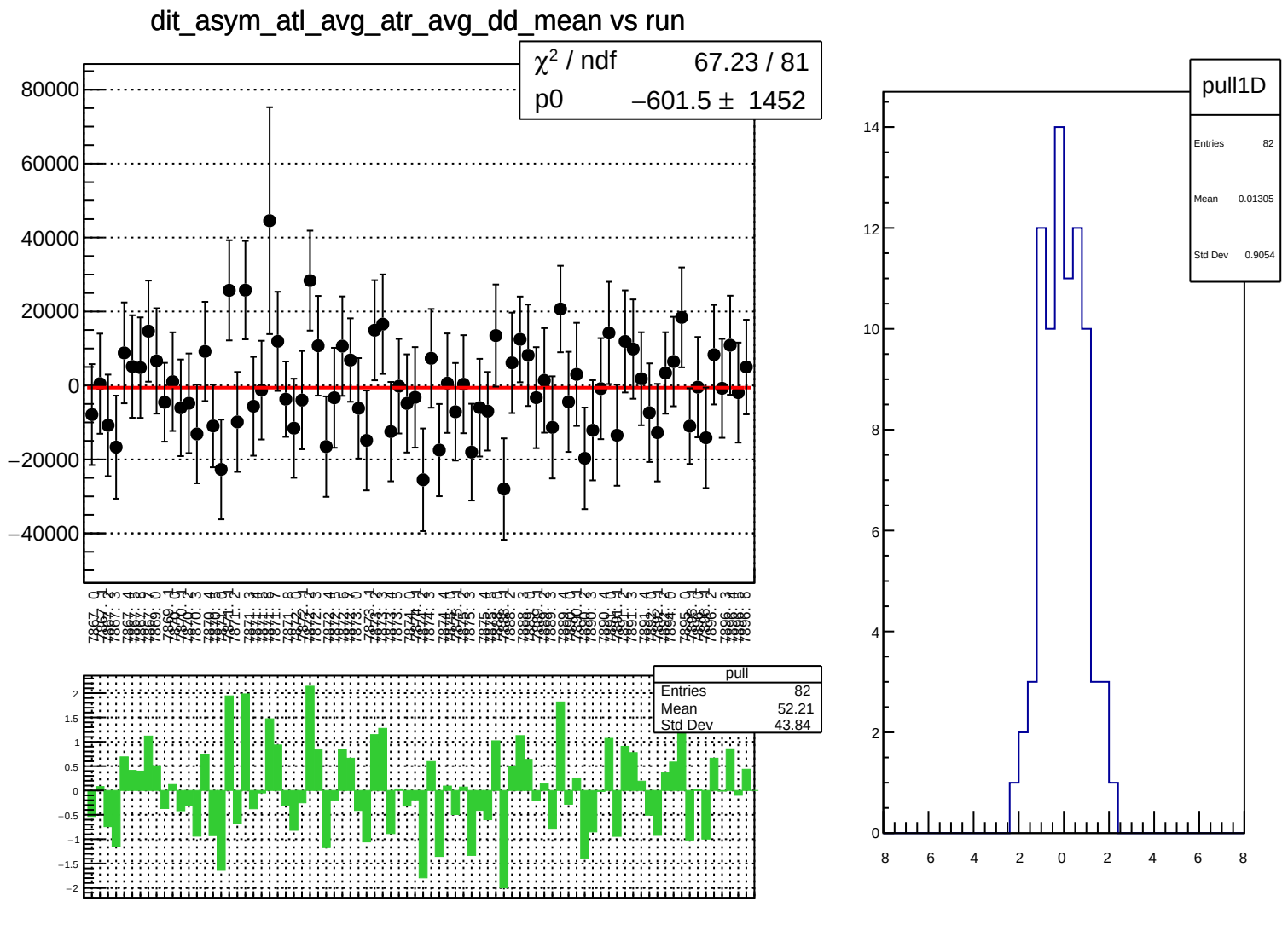

pull1D
Entries 82
Mean 0.01997
Std Dev 0.9623
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

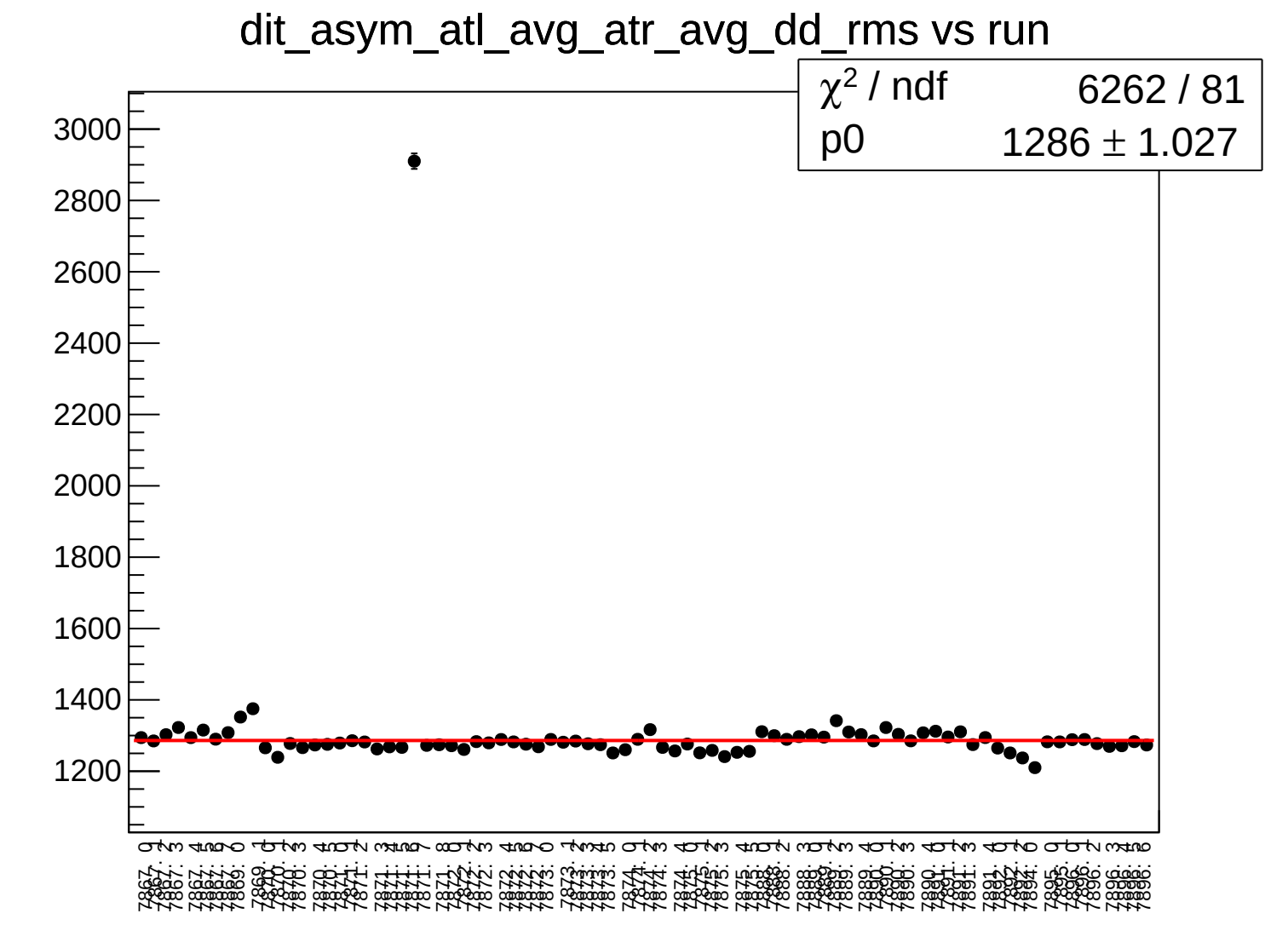

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3.402e+04 / 81
p0 6578 ± 5.299
16000
14000
12000
10000
8000
6000

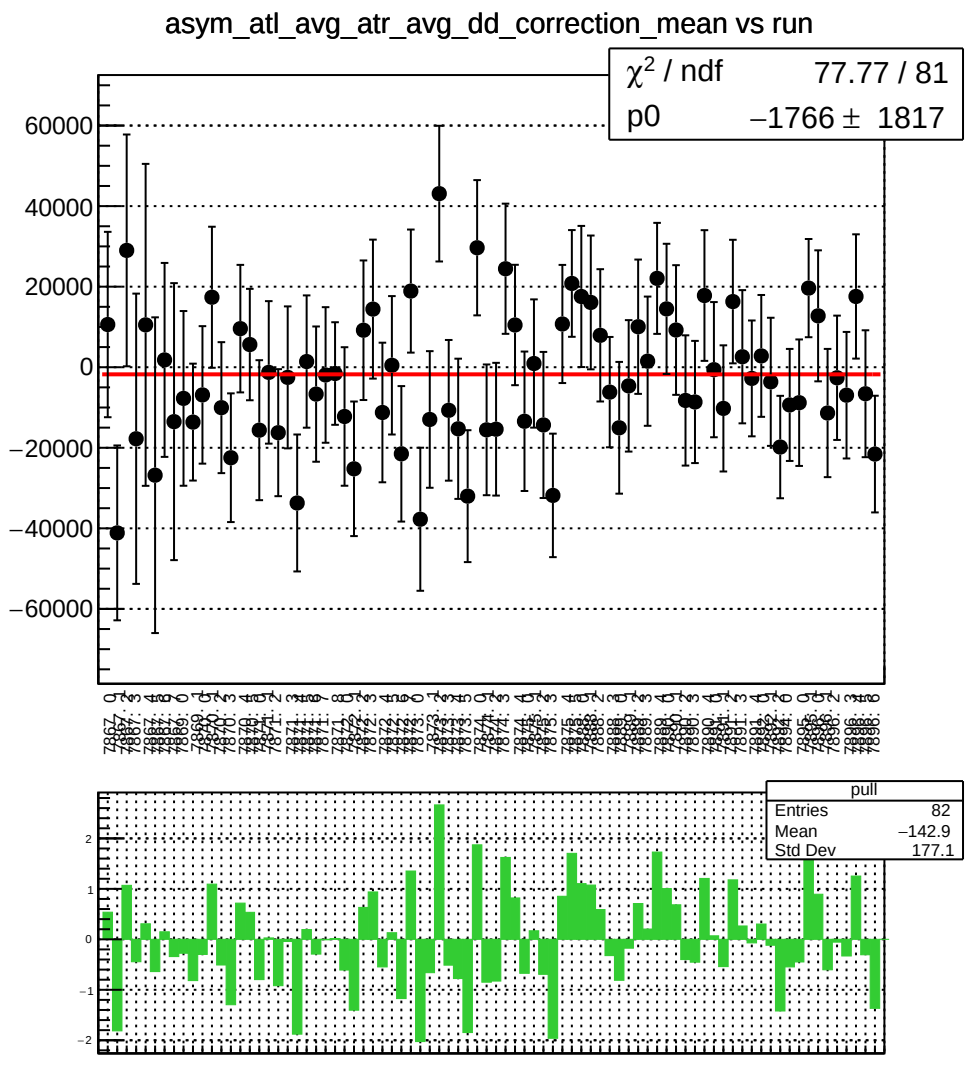

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 74.4 / 81
p0 −8991 ± 7650
×10³
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean −148.1
Std Dev 183.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

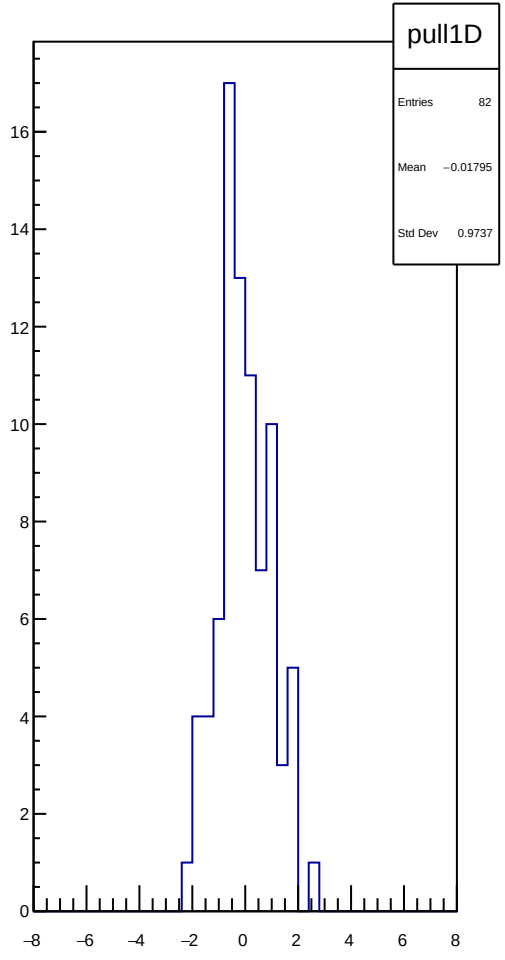

pull1D
Entries 82
Mean −0.02124
Std Dev 0.9523
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

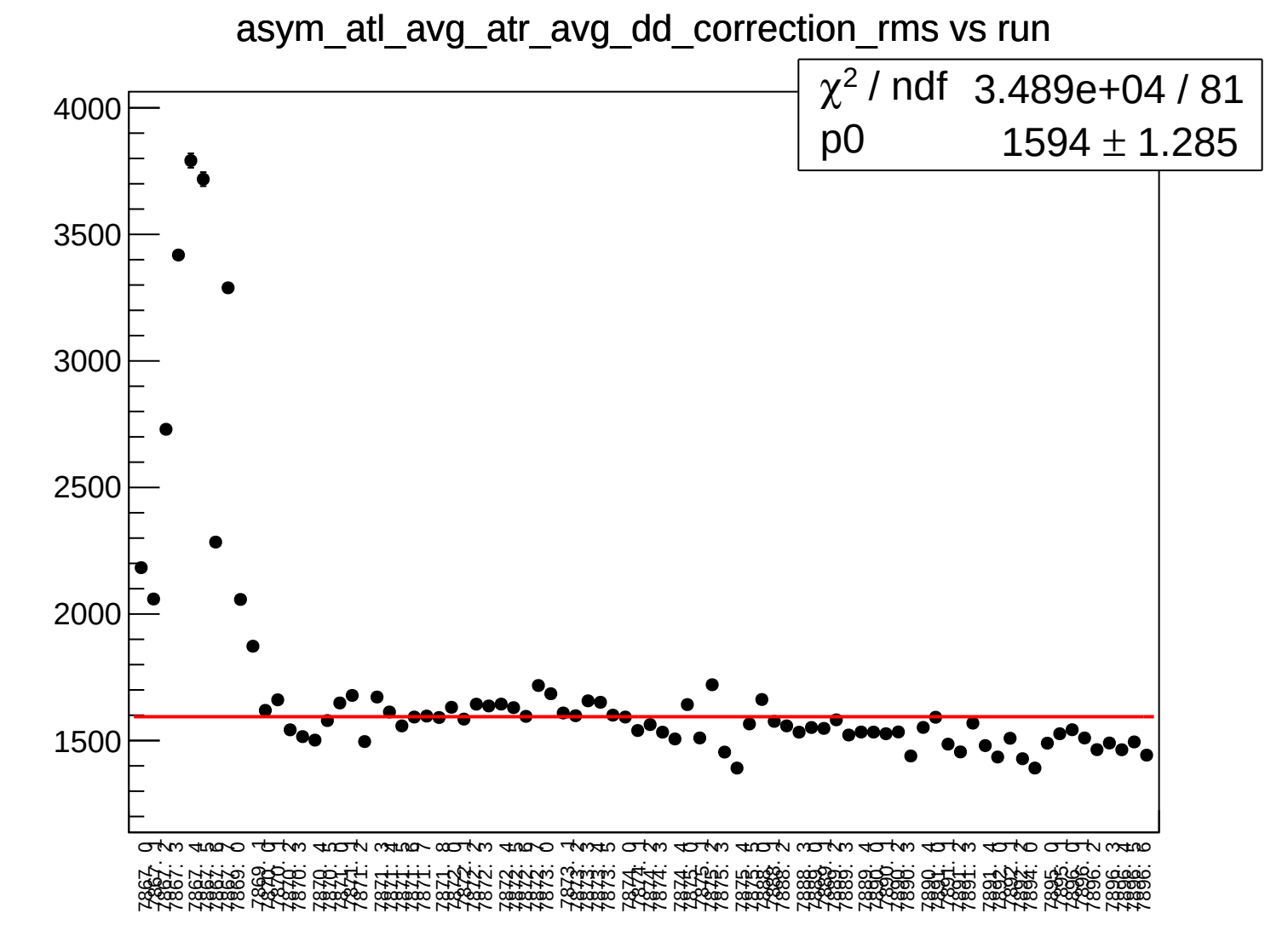

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4.198e+04 / 81
p0 6698 ± 5.409
16000
14000
12000
10000
8000
6000
4000

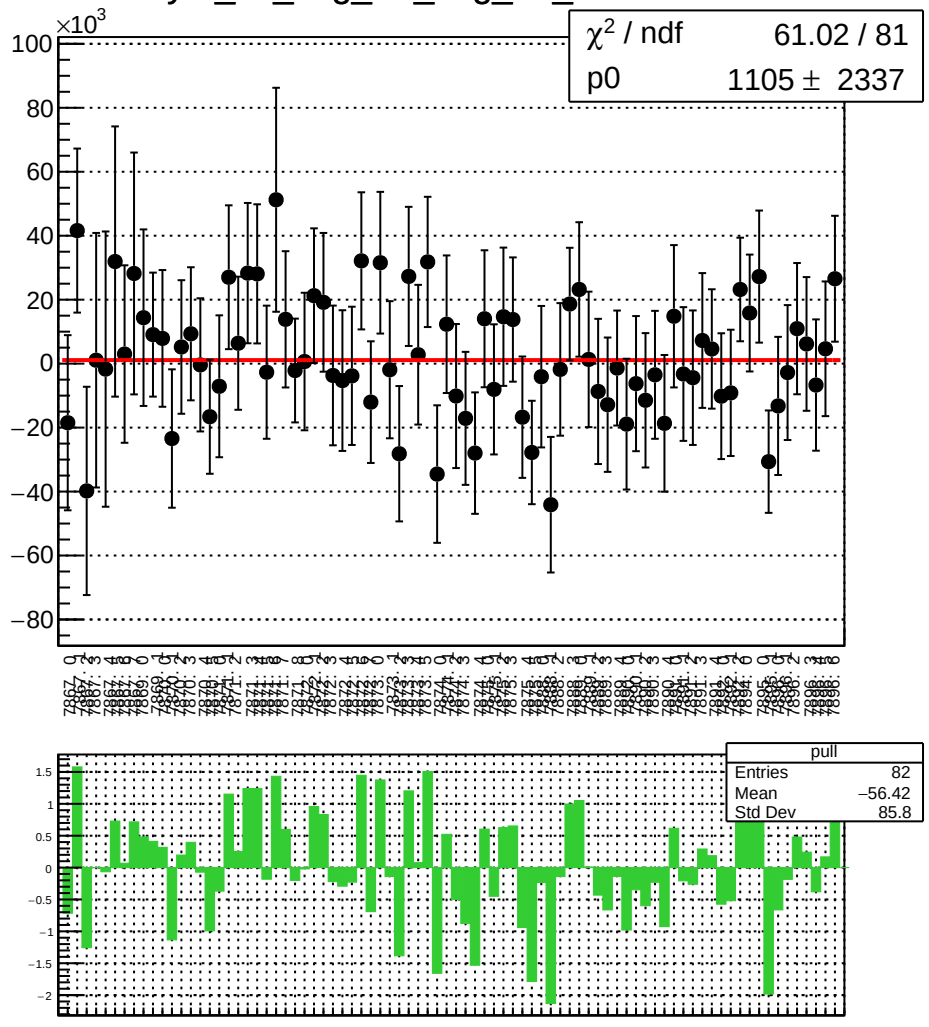

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 67.23 / 81
p0 −601.5 ± 1452
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 52.21
Std Dev 43.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01305
Std Dev 0.9054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

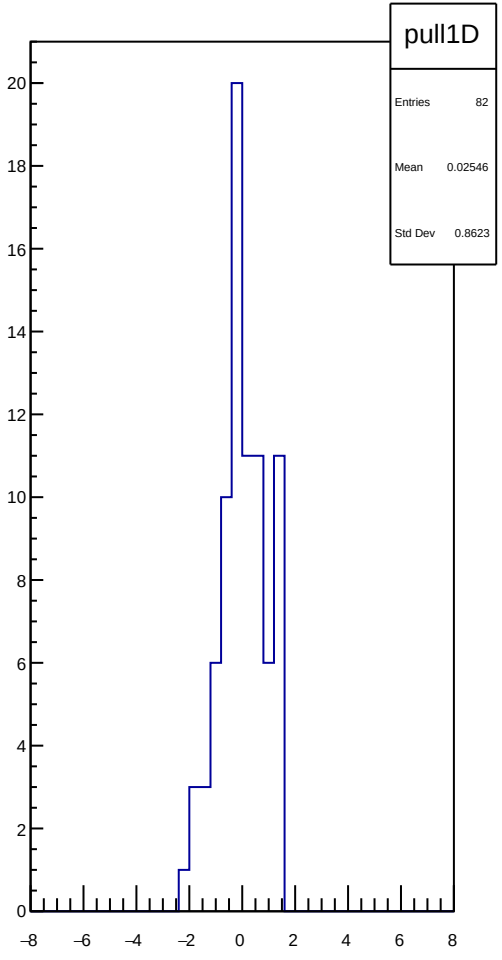

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6262 / 81
p0 1286 ± 1.027
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

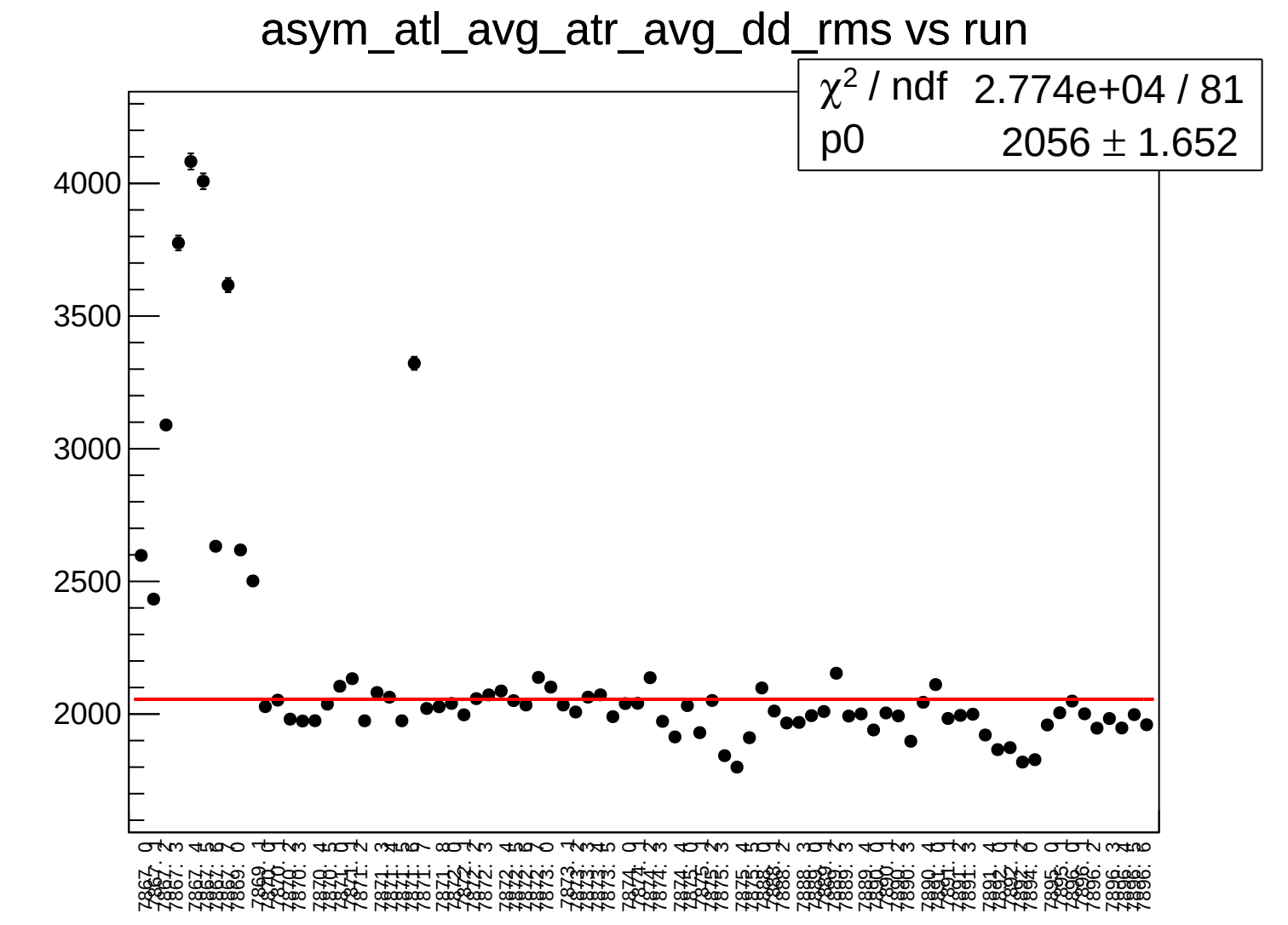

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 77.77 / 81
p0 −1766 ± 1817
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −142.9
Std Dev 177.1
2
1
0
−1
−2

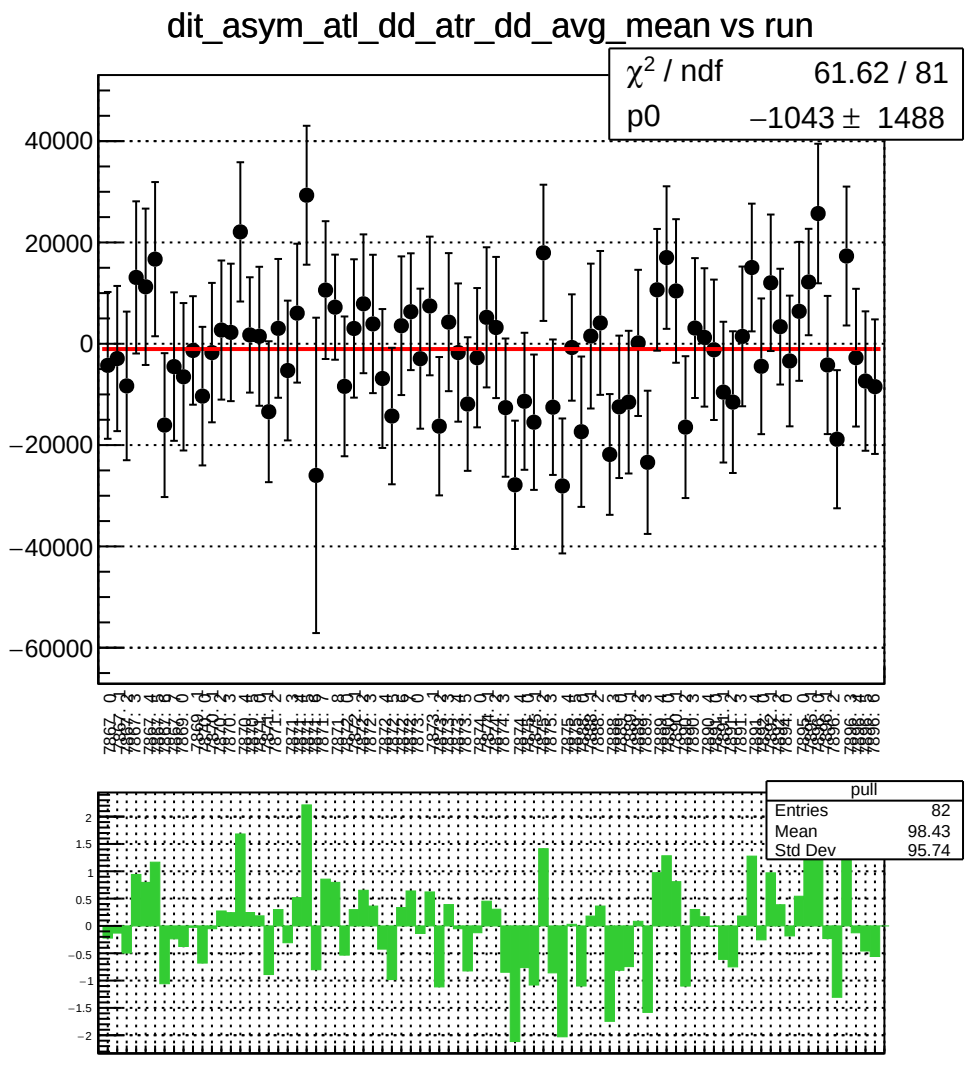

pull1D
Entries 82
Mean −0.01795
Std Dev 0.9737
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

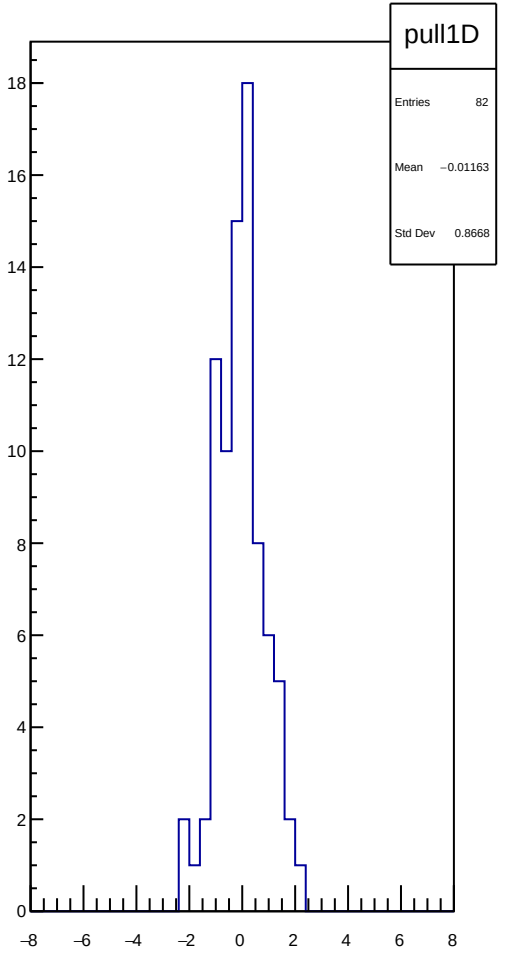

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3.489e+04 / 81
p0 1594 ± 1.285
4000
3500
3000
2500
2000
1500

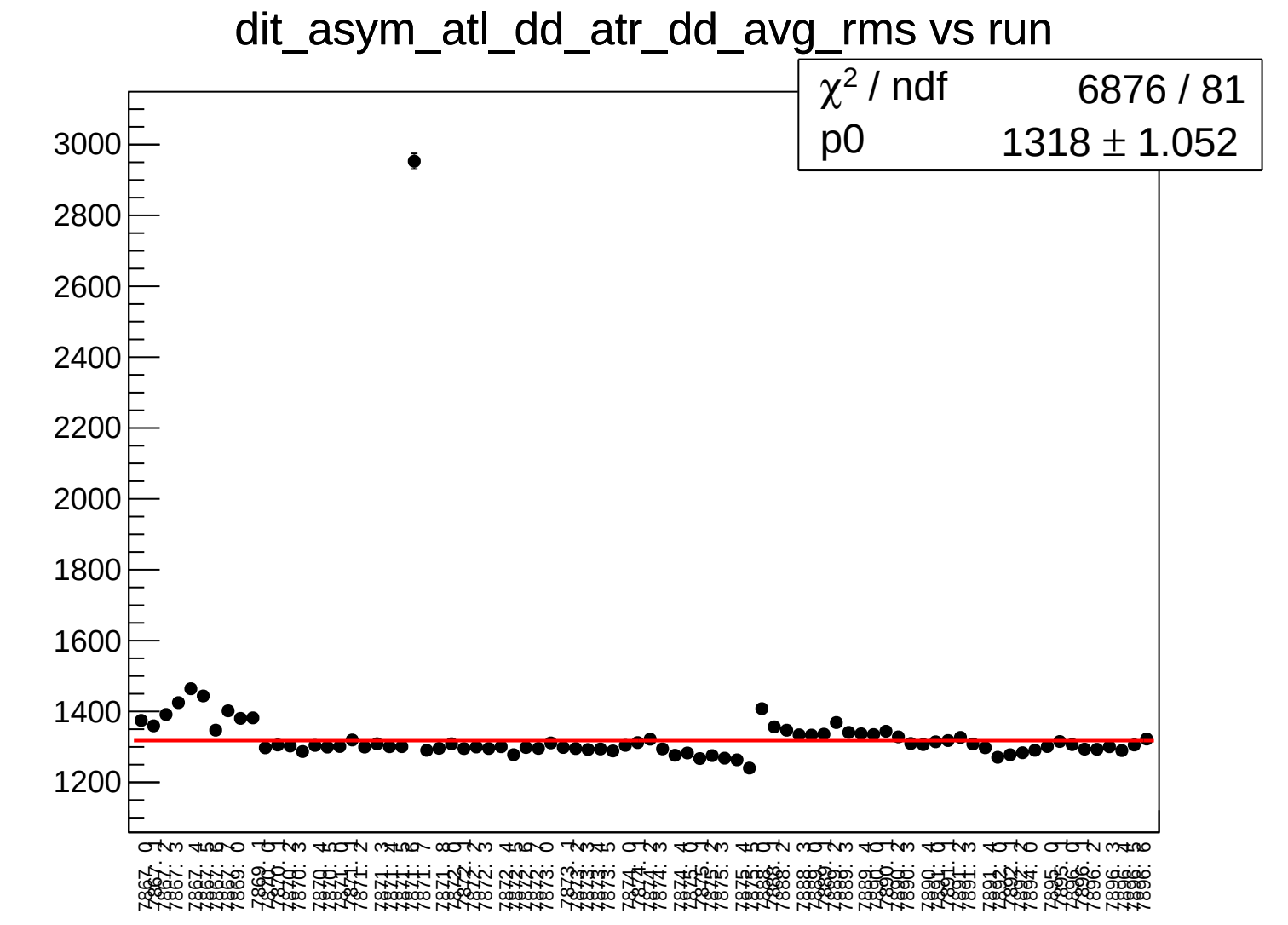

asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 61.02 / 81
p0 1105 ± 2337
×10^3
pull
Entries 82
Mean −56.42
Std Dev 85.8

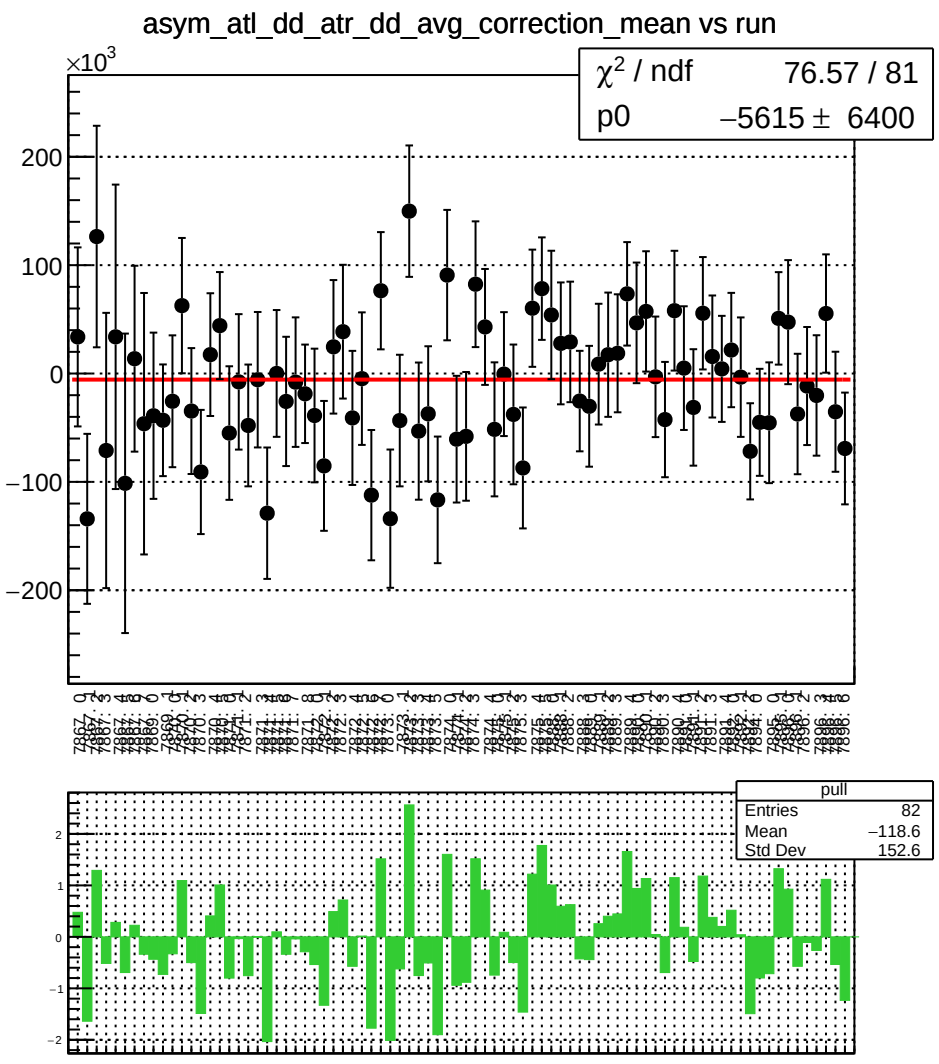

pull1D
Entries 82
Mean 0.02546
Std Dev 0.8623

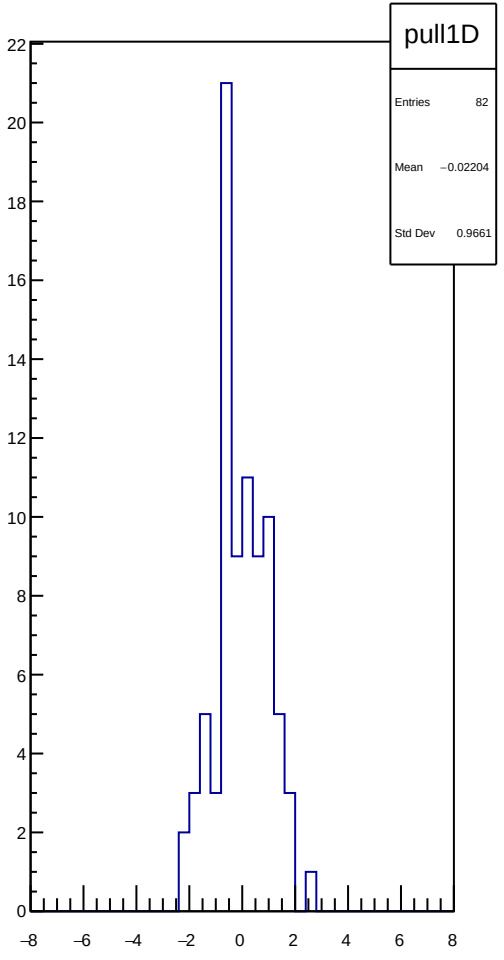

asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 2.774e+04 / 81
p0 2056 ± 1.652
4000
3500
3000
2500
2000

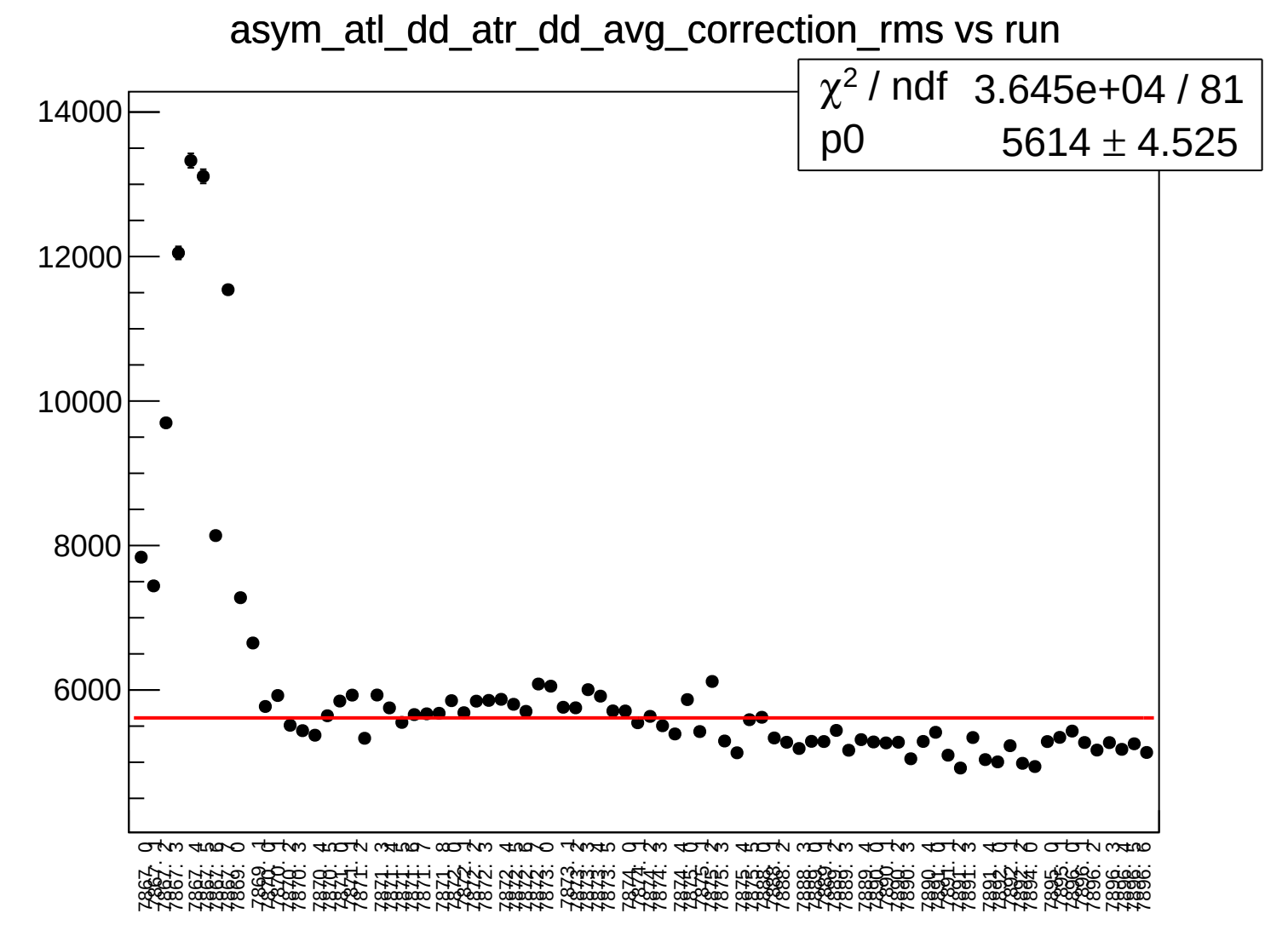

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 61.62 / 81
p0 −1043 ± 1488
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 98.43
Std Dev 95.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

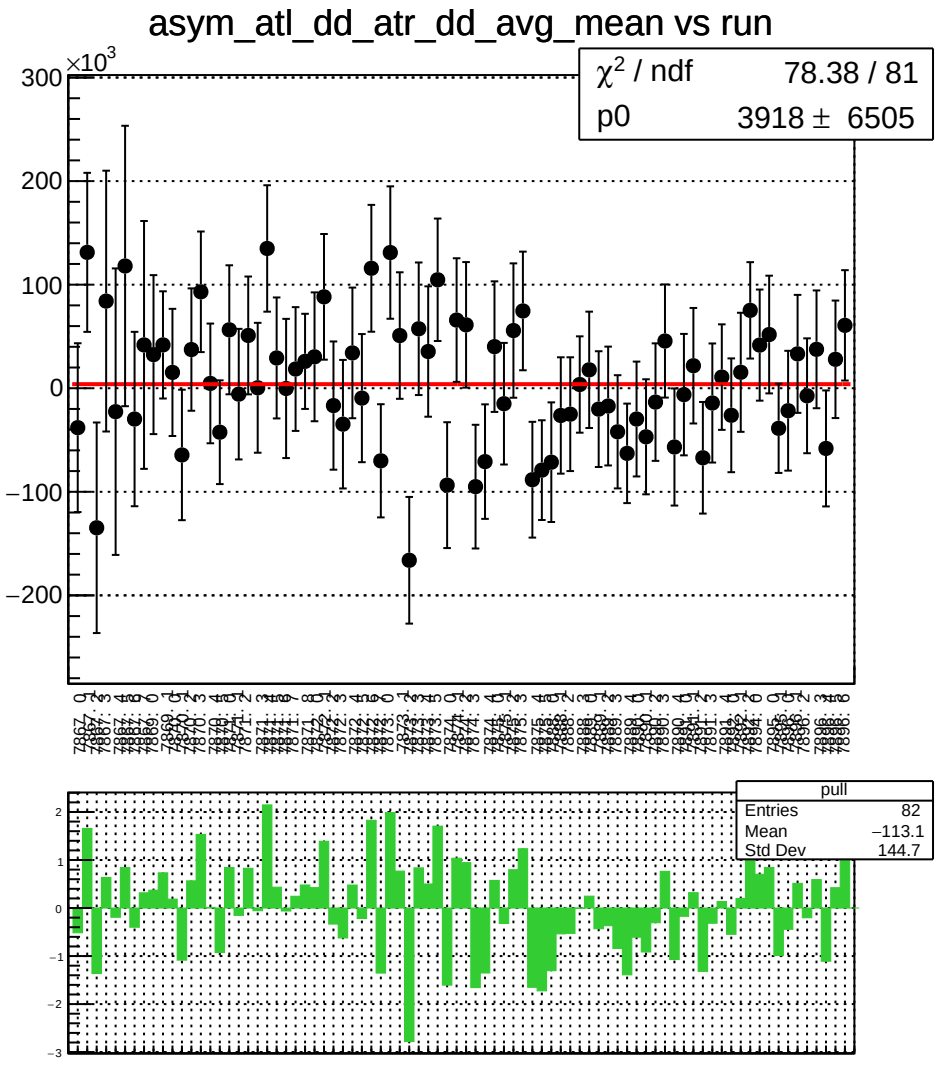

pull1D
Entries 82
Mean −0.01163
Std Dev 0.8668
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

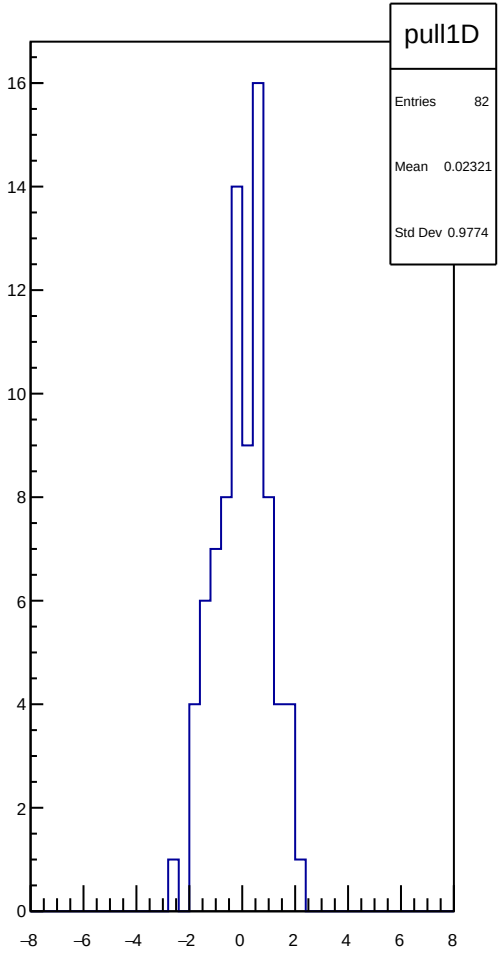

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6876 / 81
p0 1318 ± 1.052
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

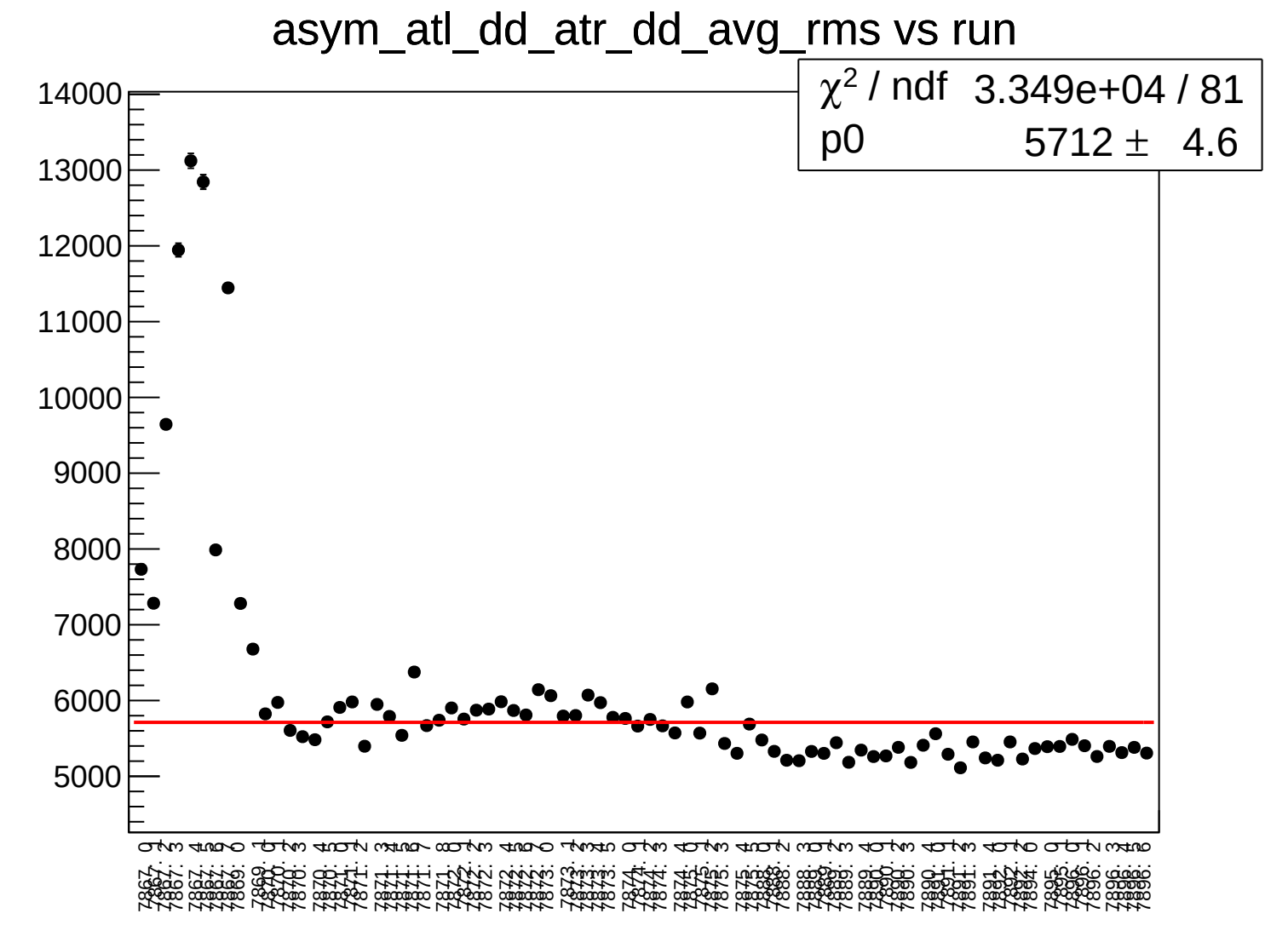

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 76.57 / 81
p0 −5615 ± 6400
200
100
0
−100
−200
pull
Entries 82
Mean −118.6
Std Dev 152.6
2
1
0
−1
−2

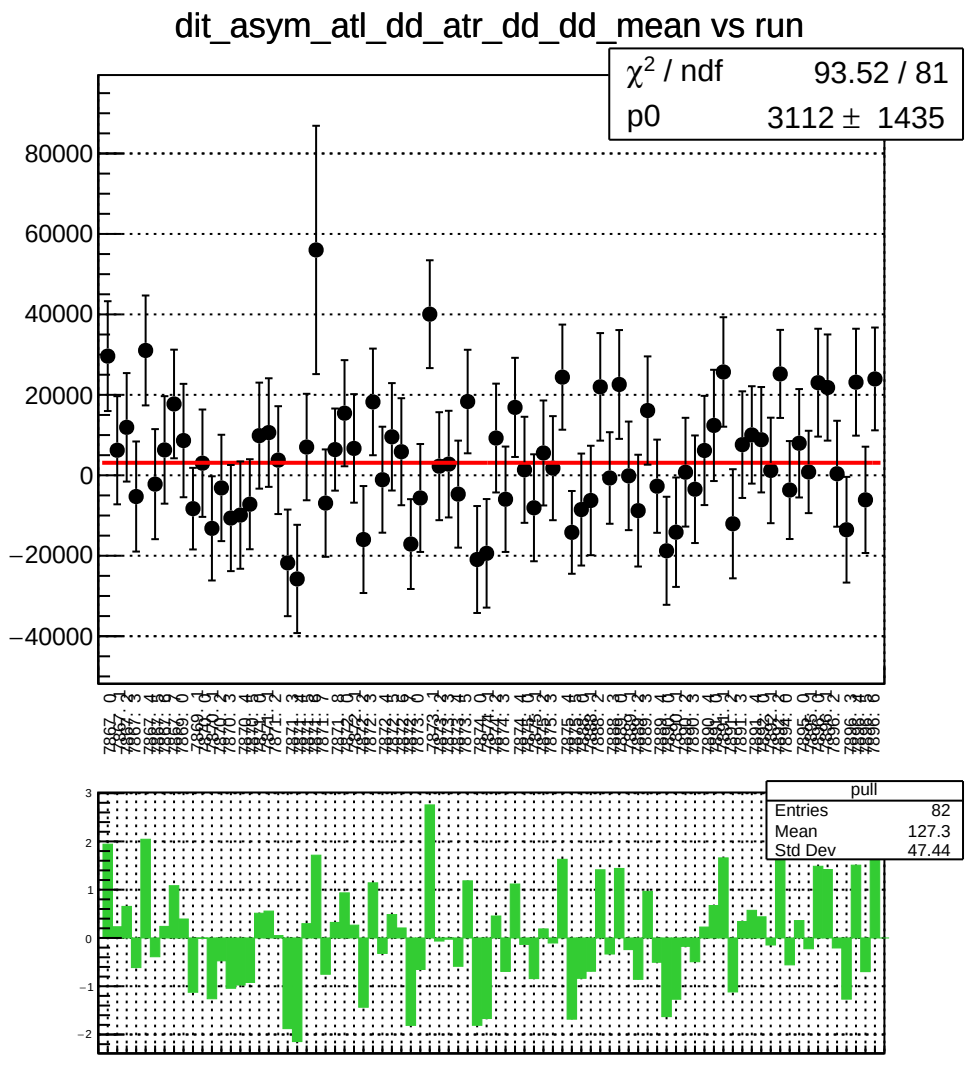

pull1D
Entries 82
Mean −0.02204
Std Dev 0.9661
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

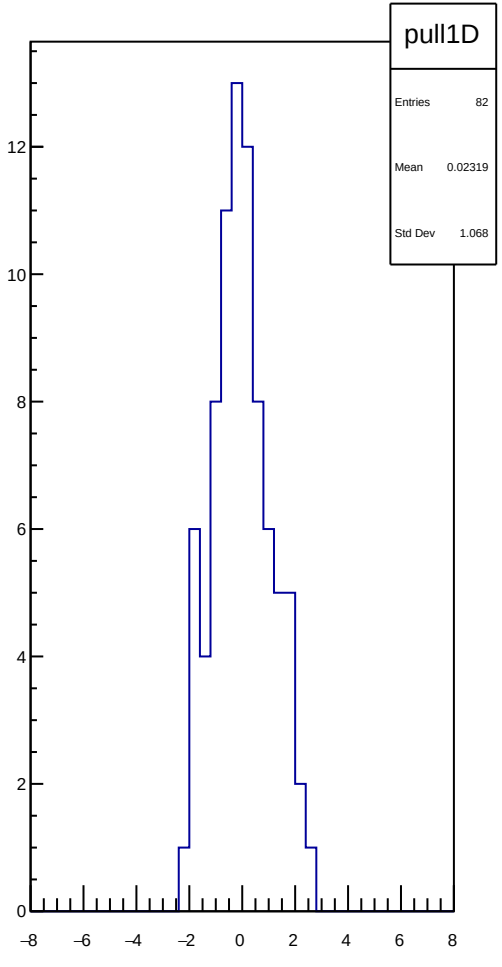

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.645e+04 / 81
p0 5614 ± 4.525
14000
12000
10000
8000
6000

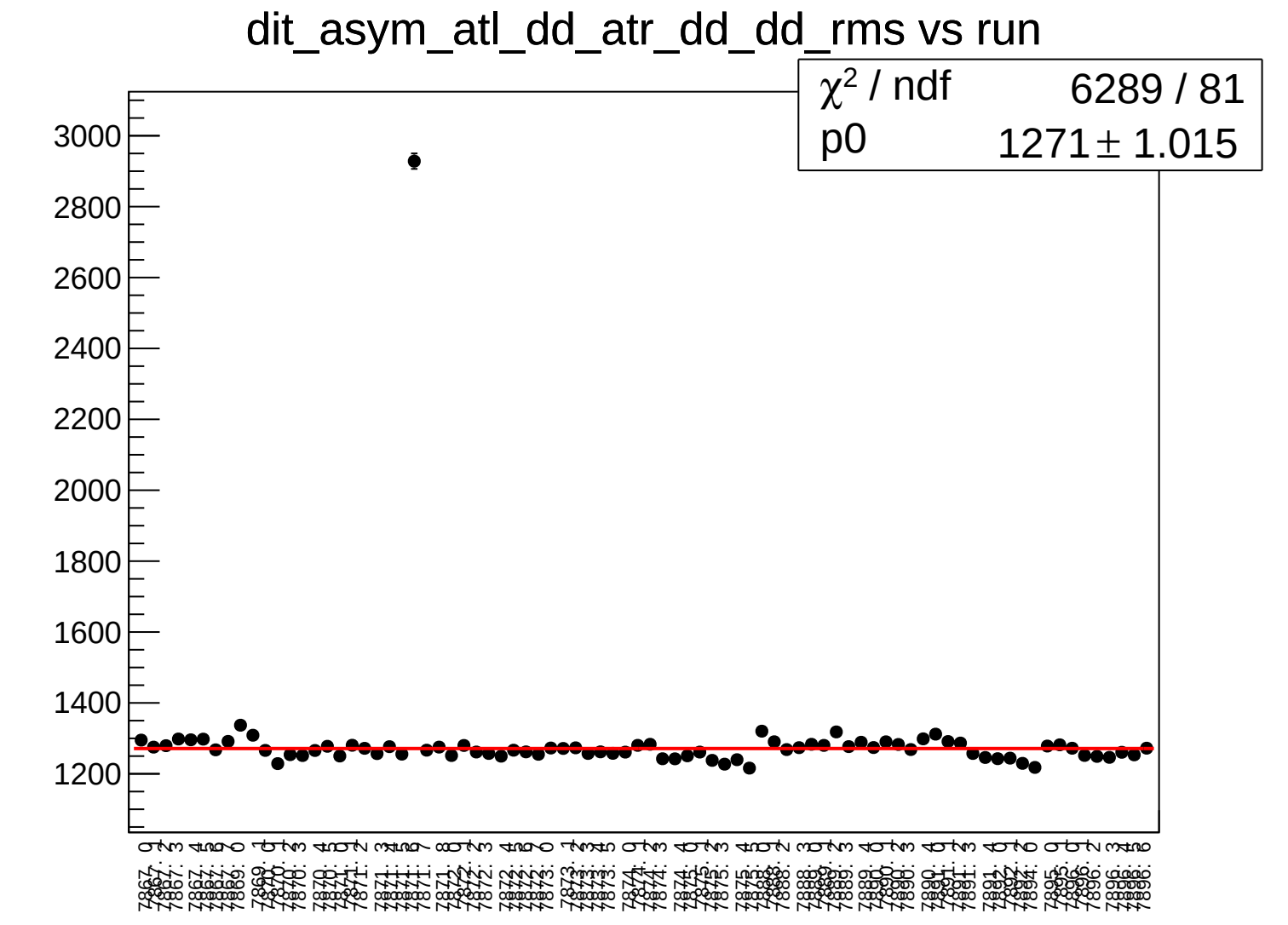

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 78.38 / 81
p0 3918 ± 6505
×10³
pull
Entries 82
Mean −113.1
Std Dev 144.7

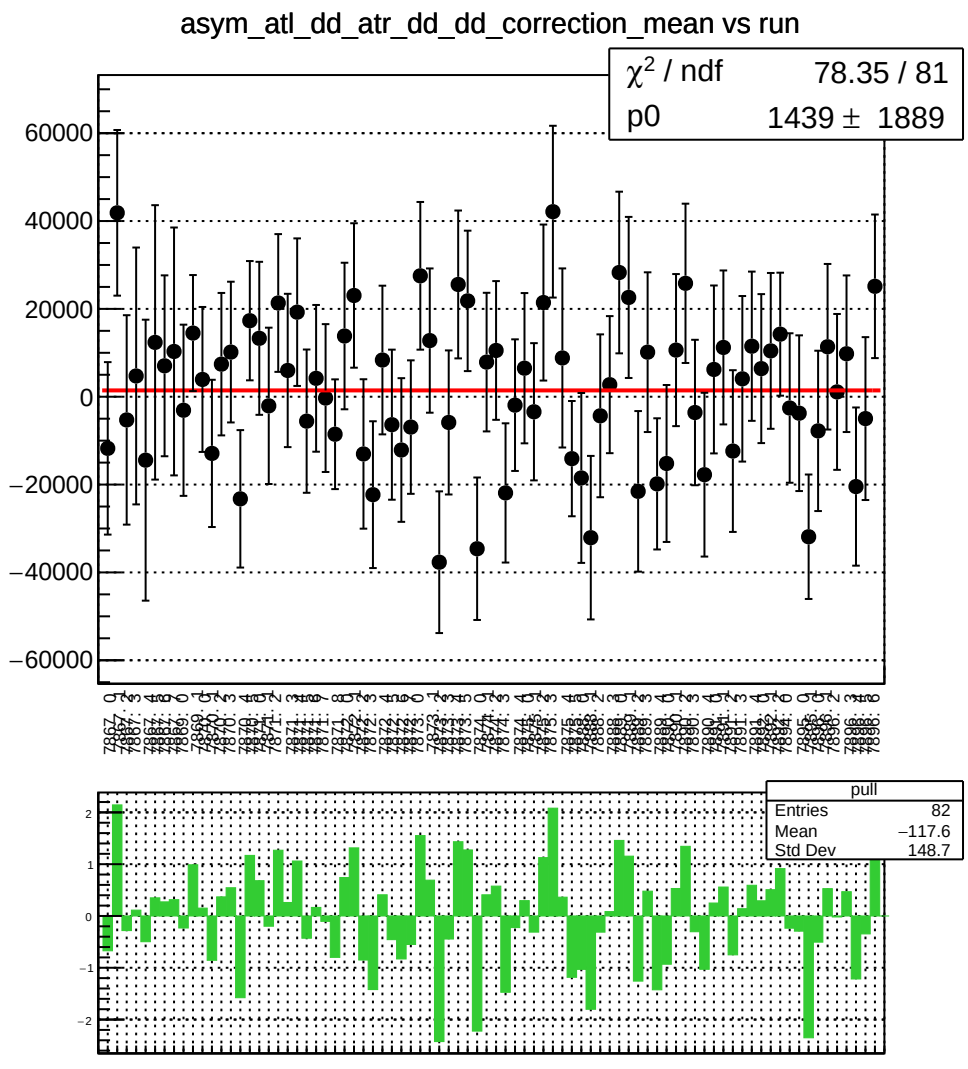

pull1D
Entries 82
Mean 0.02321
Std Dev 0.9774

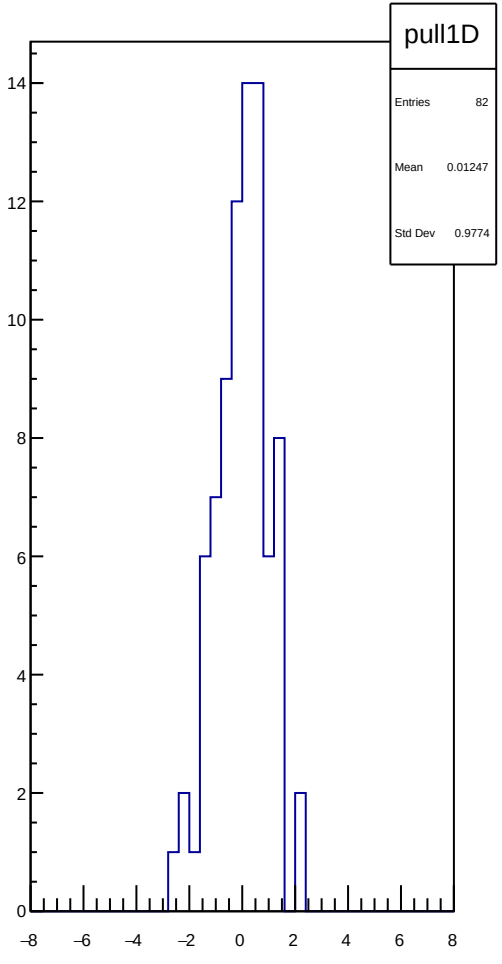

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3.349e+04 / 81
p0 5712 ± 4.6
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000

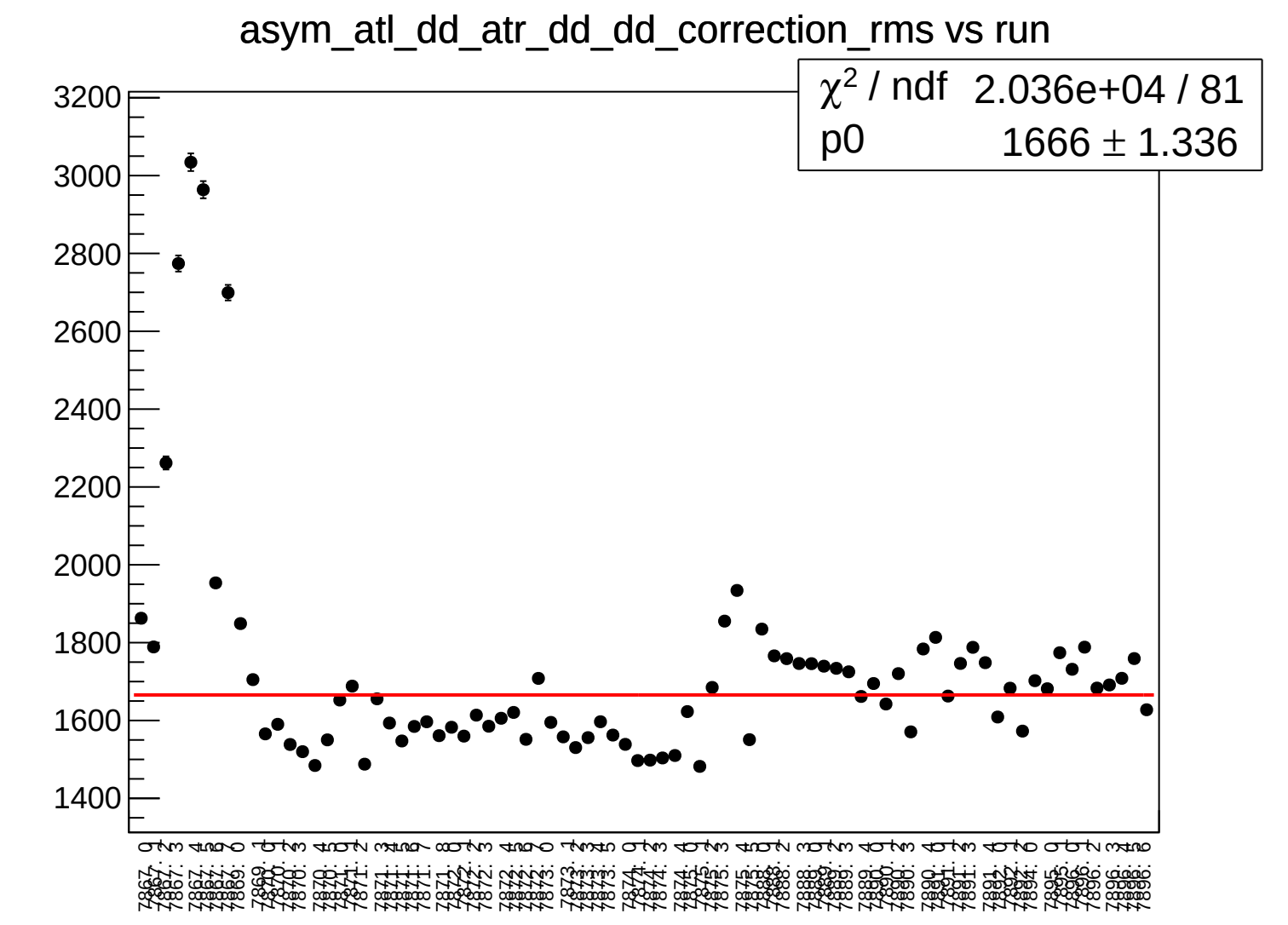

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.52 / 81
p0 3112 ± 1435
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 127.3
Std Dev 47.44
3
2
1
0
−1
−2

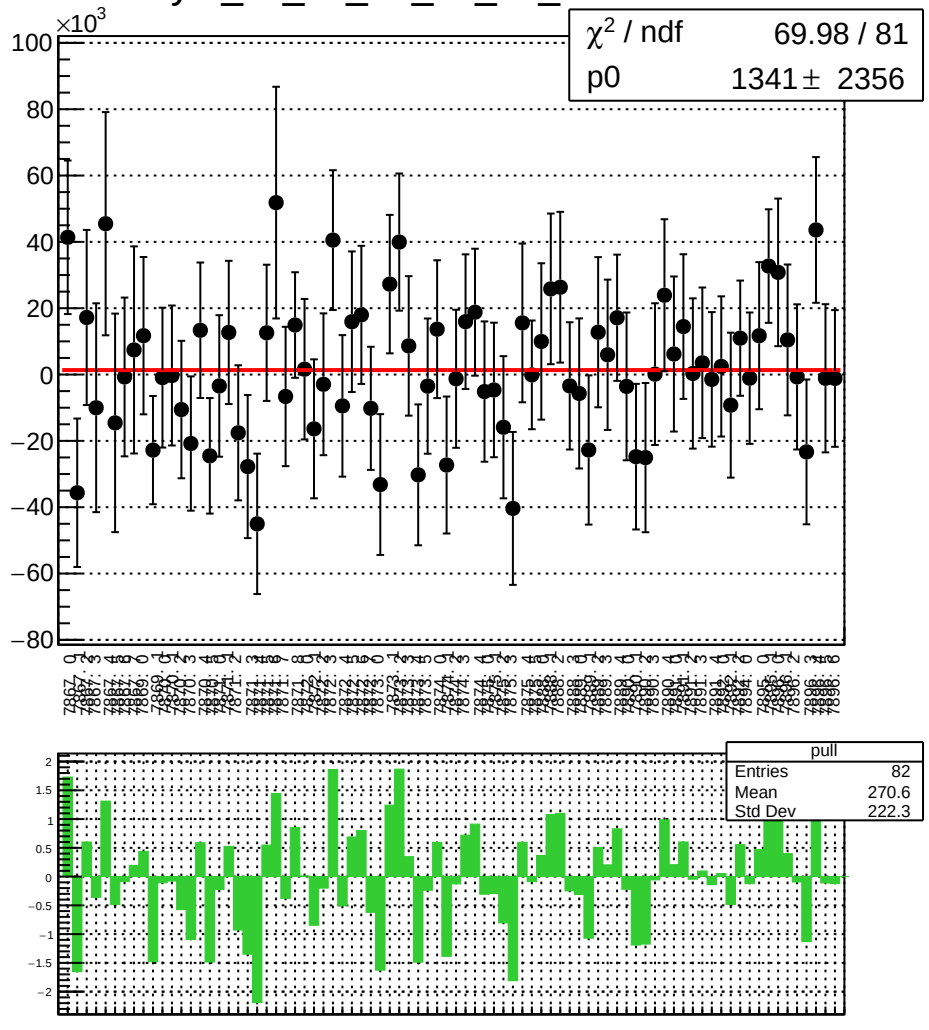

pull1D
Entries 82
Mean 0.02319
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

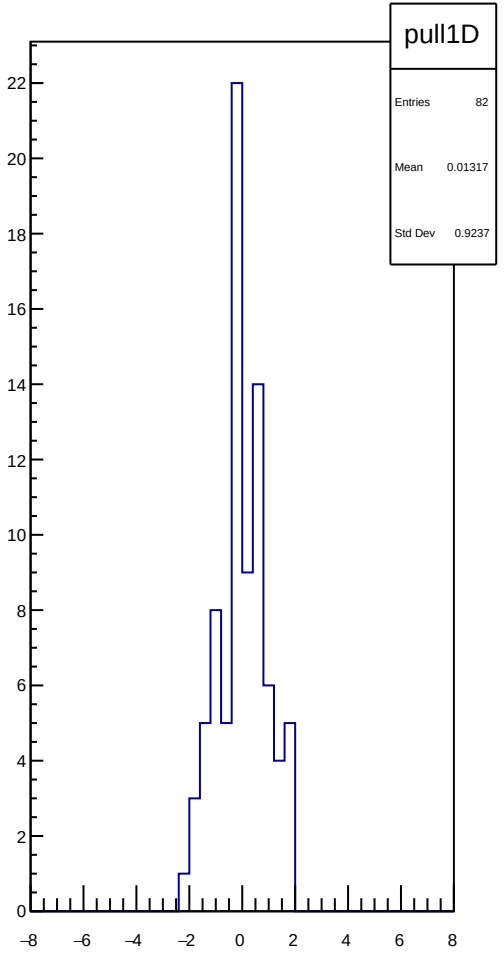

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6289 / 81
p0 1271 ± 1.015
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

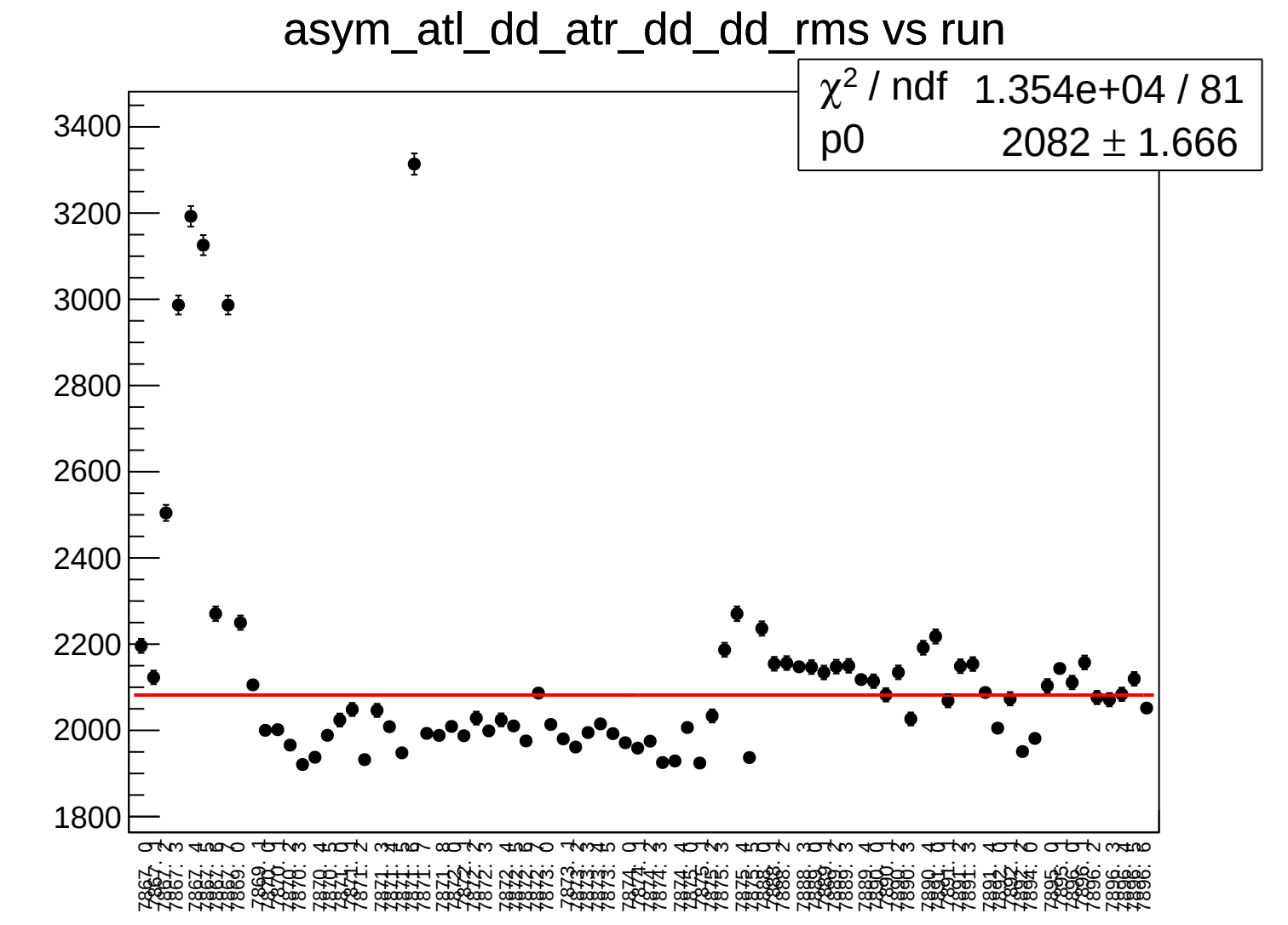

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 78.35 / 81
p0 1439 ± 1889
pull
Entries 82
Mean −117.6
Std Dev 148.7

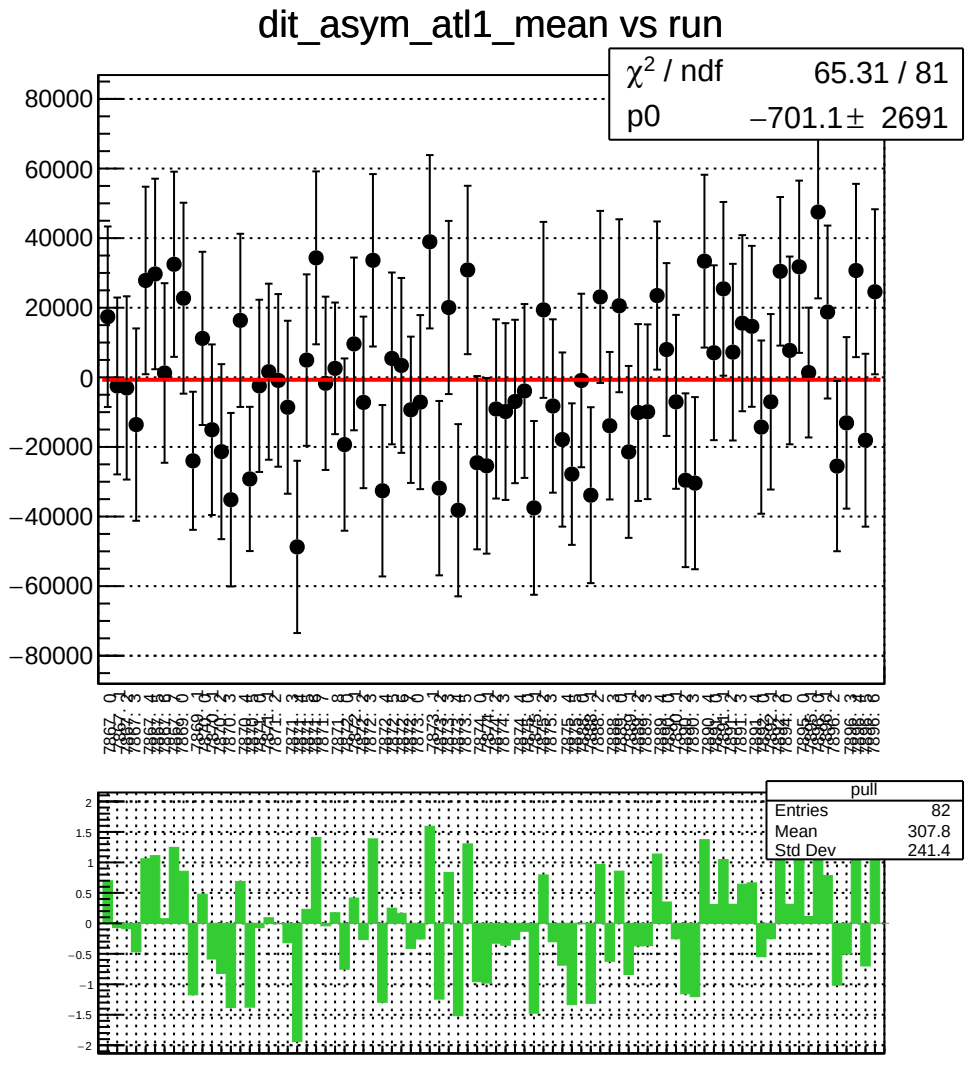

pull1D
Entries 82
Mean 0.01247
Std Dev 0.9774

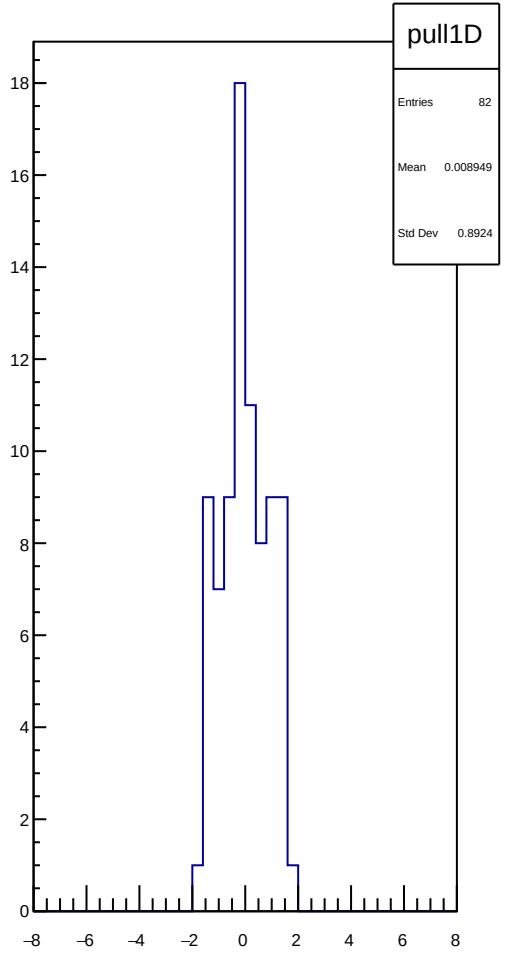

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2.036e+04 / 81
p0 1666 ± 1.336
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

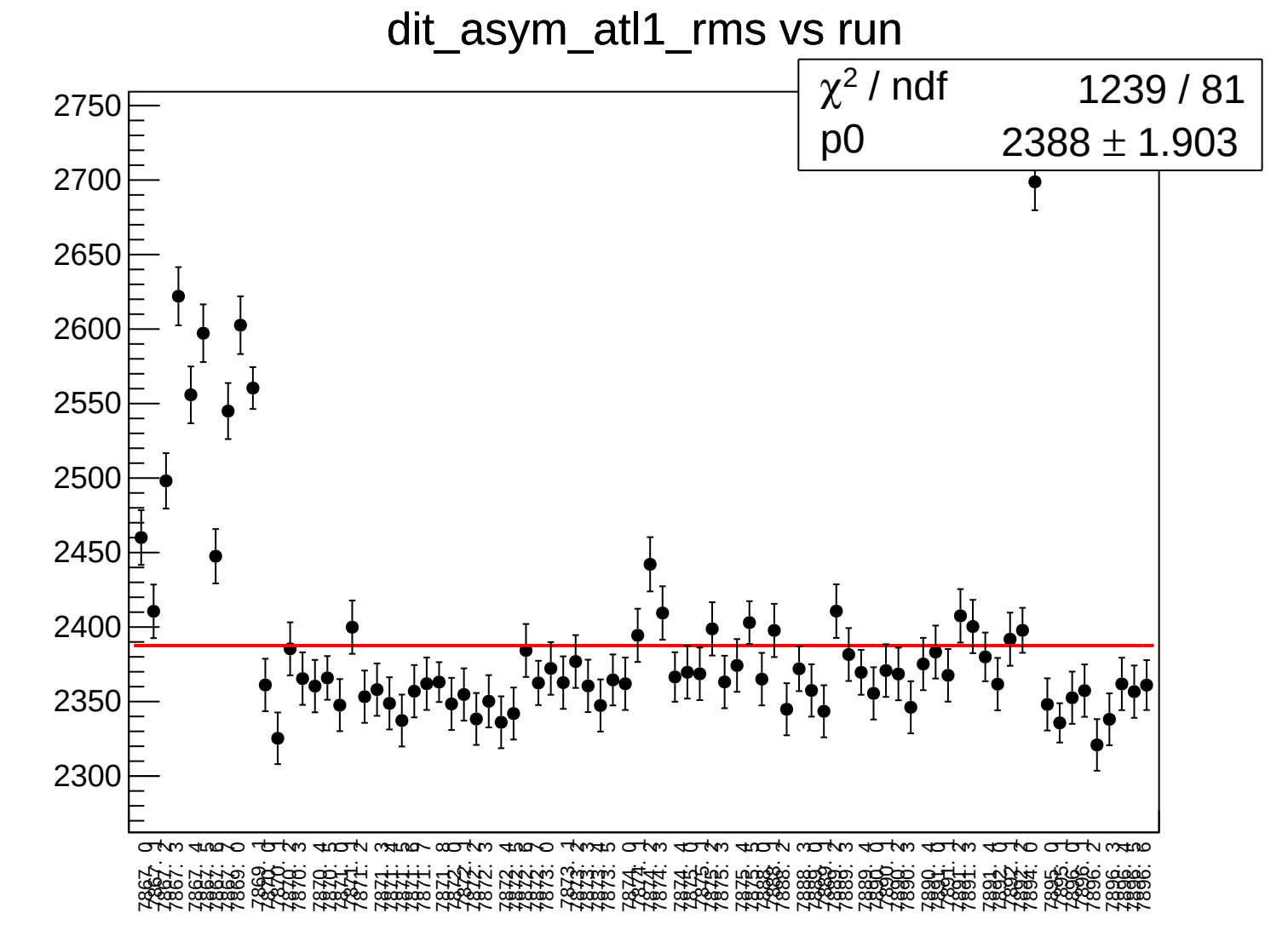

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69.98 / 81
p0 1341 ± 2356
pull
Entries 82
Mean 270.6
Std Dev 222.3

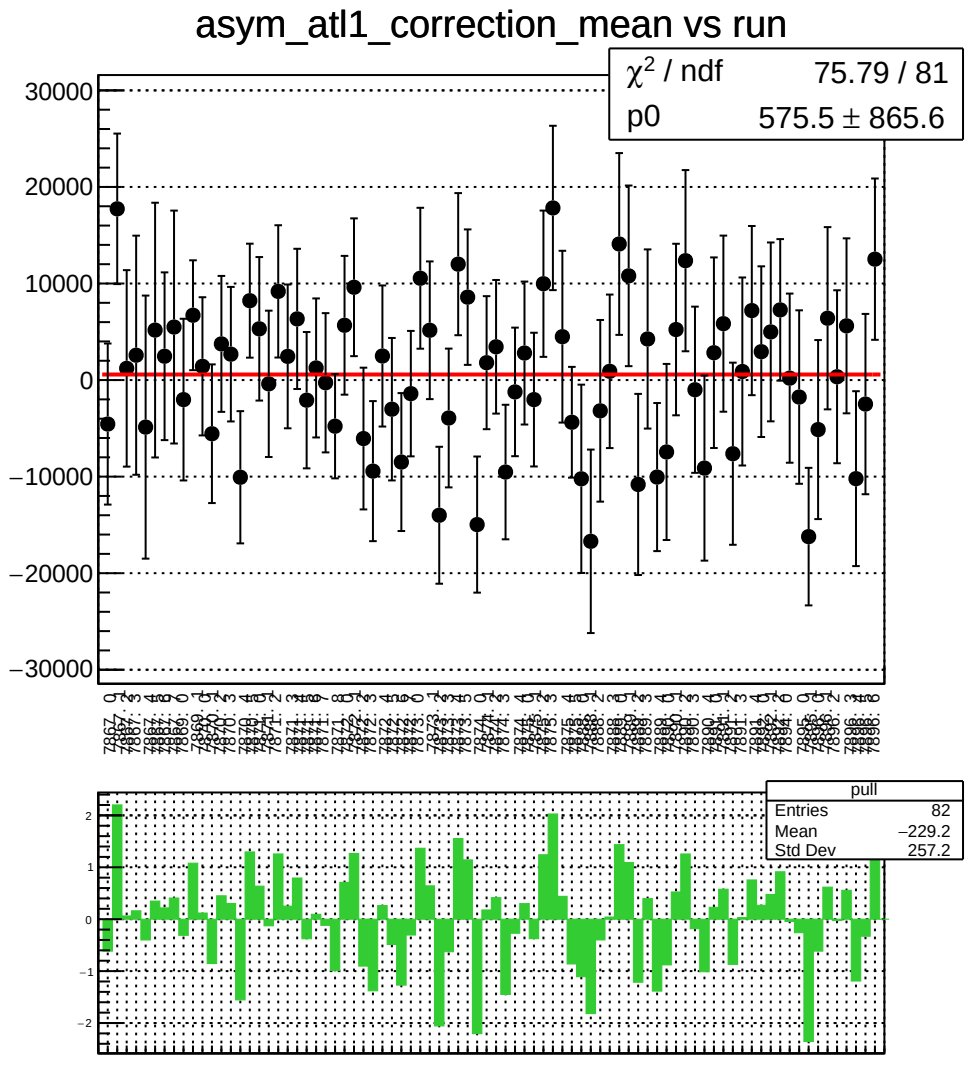

pull1D
Entries 82
Mean 0.01317
Std Dev 0.9237

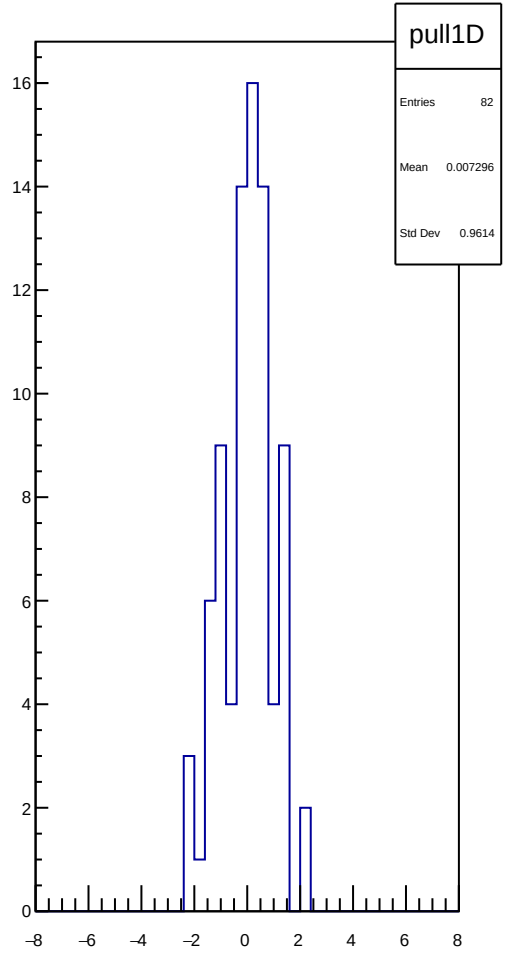

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.354e+04 / 81
p0 2082 ± 1.666
3400
3200
3000
2800
2600
2400
2200
2000
1800

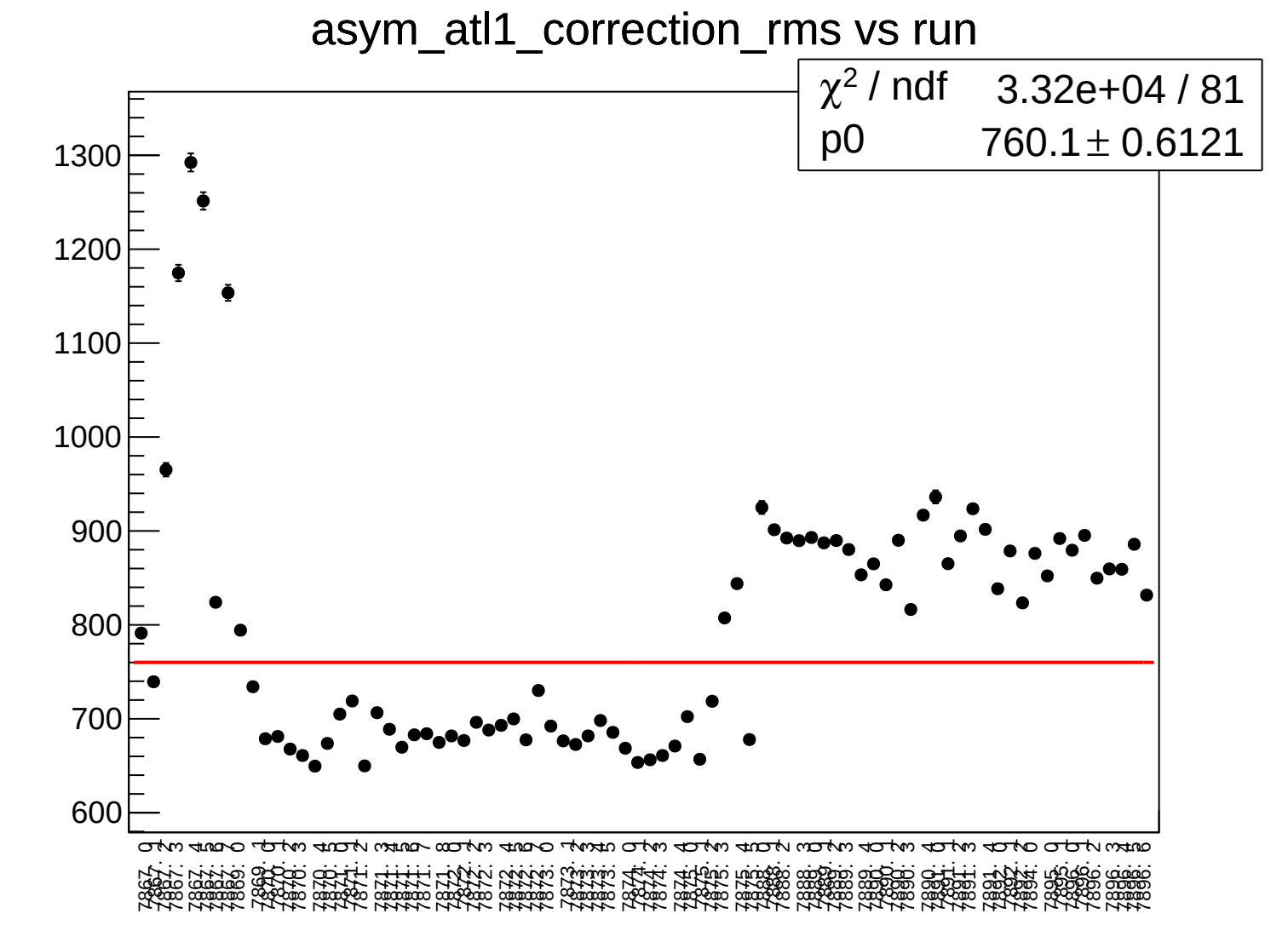

dit_asym_atl1_mean vs run
χ² / ndf 65.31 / 81
p0 −701.1± 2691
pull
Entries 82
Mean 307.8
Std Dev 241.4

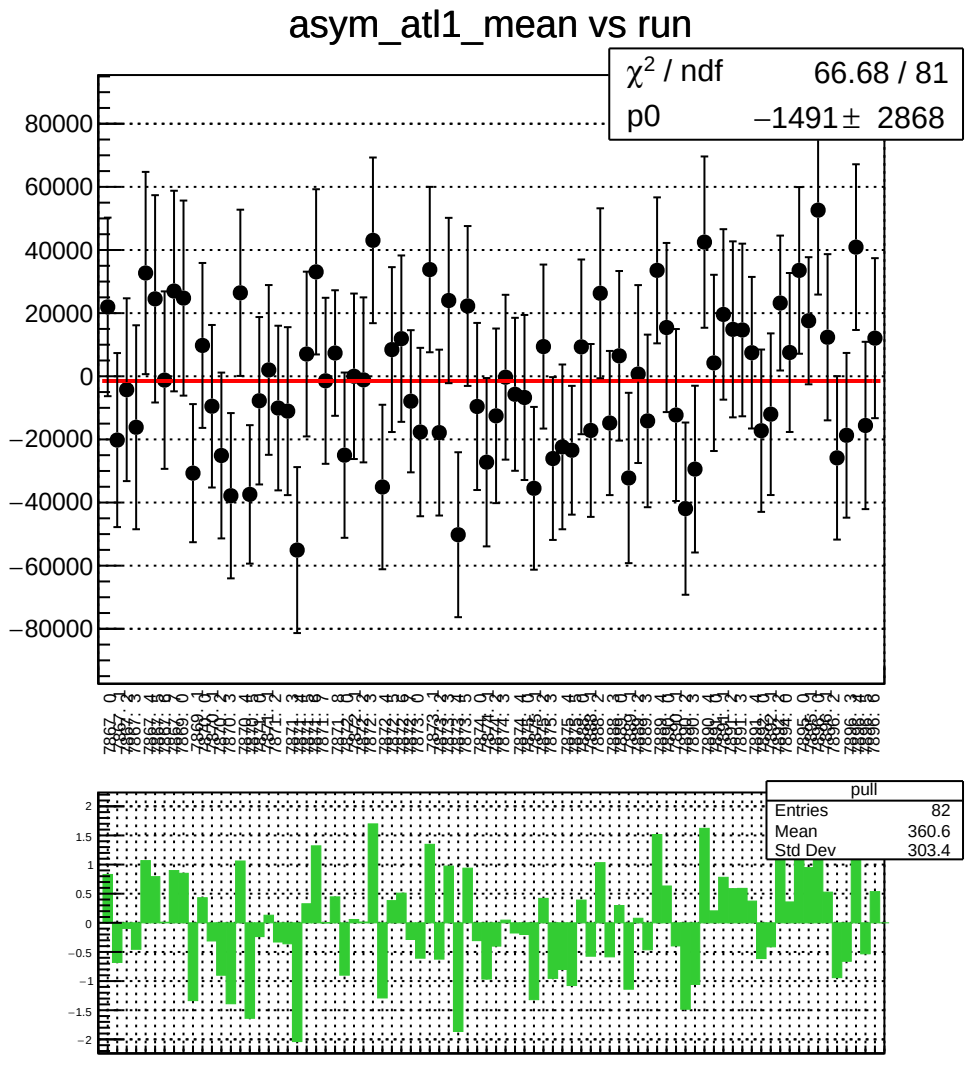

pull1D
Entries 82
Mean 0.008949
Std Dev 0.8924

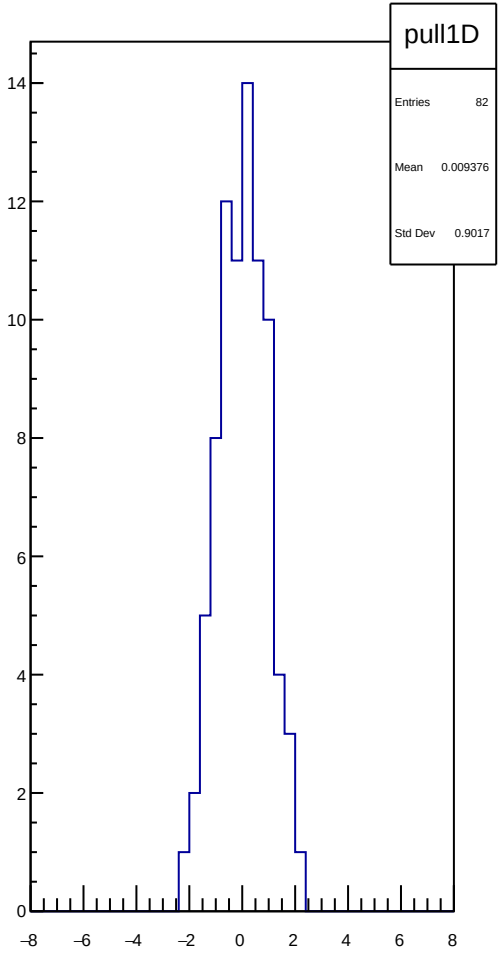

dit_asym_atl1_rms vs run
χ² / ndf 1239 / 81
p0 2388 ± 1.903
2750
2700
2650
2600
2550
2500
2450
2400
2350
2300

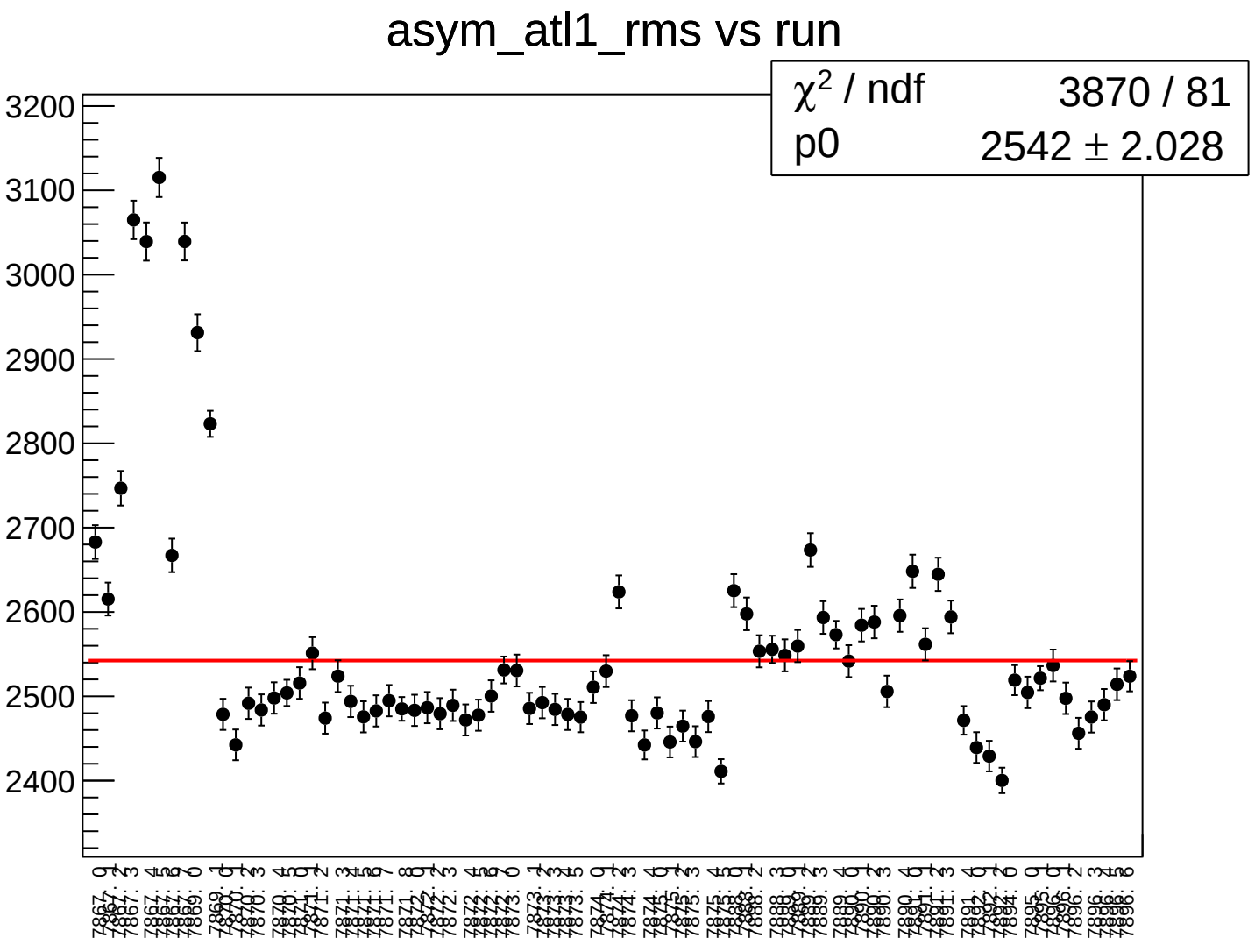

asym_atl1_correction_mean vs run
χ² / ndf 75.79 / 81
p0 575.5 ± 865.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −229.2
Std Dev 257.2
2
1
0
−1
−2

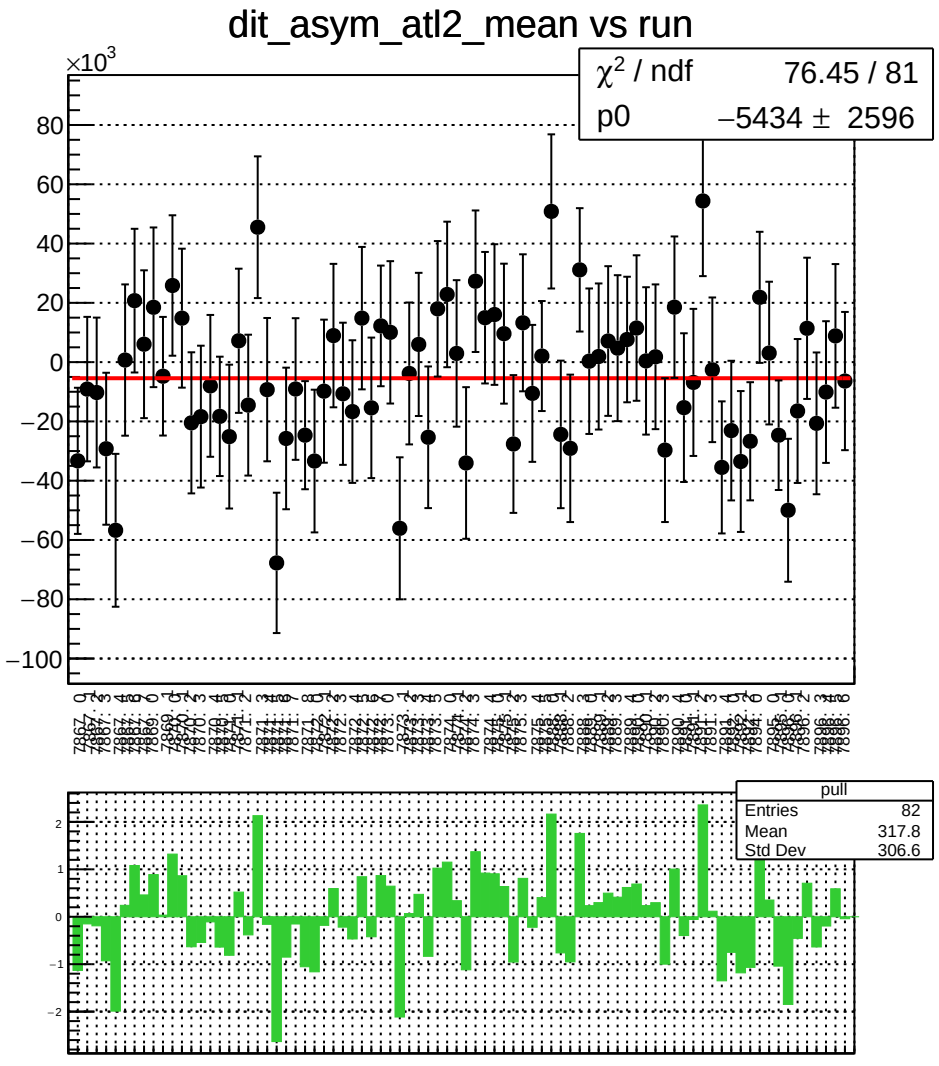

pull1D
Entries 82
Mean 0.007296
Std Dev 0.9614
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

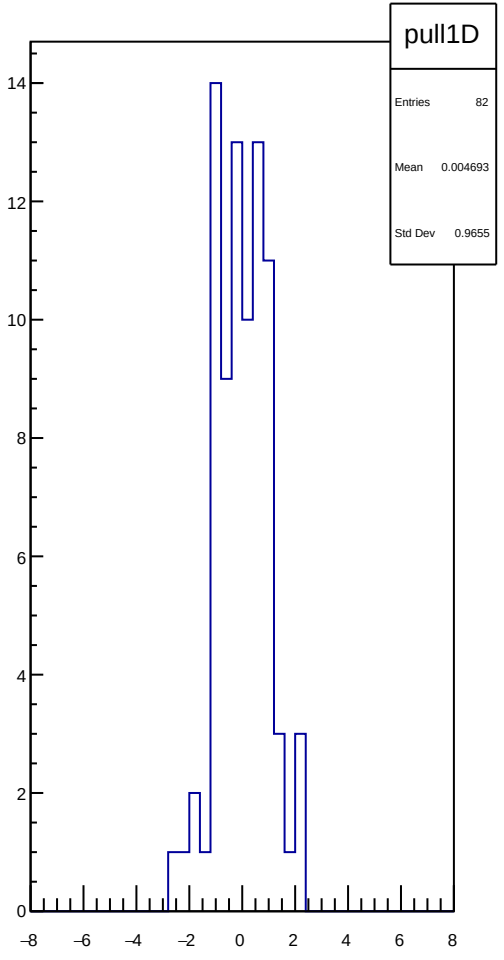

asym_atl1_correction_rms vs run
χ² / ndf 3.32e+04 / 81
p0 760.1 ± 0.6121
1300
1200
1100
1000
900
800
700
600

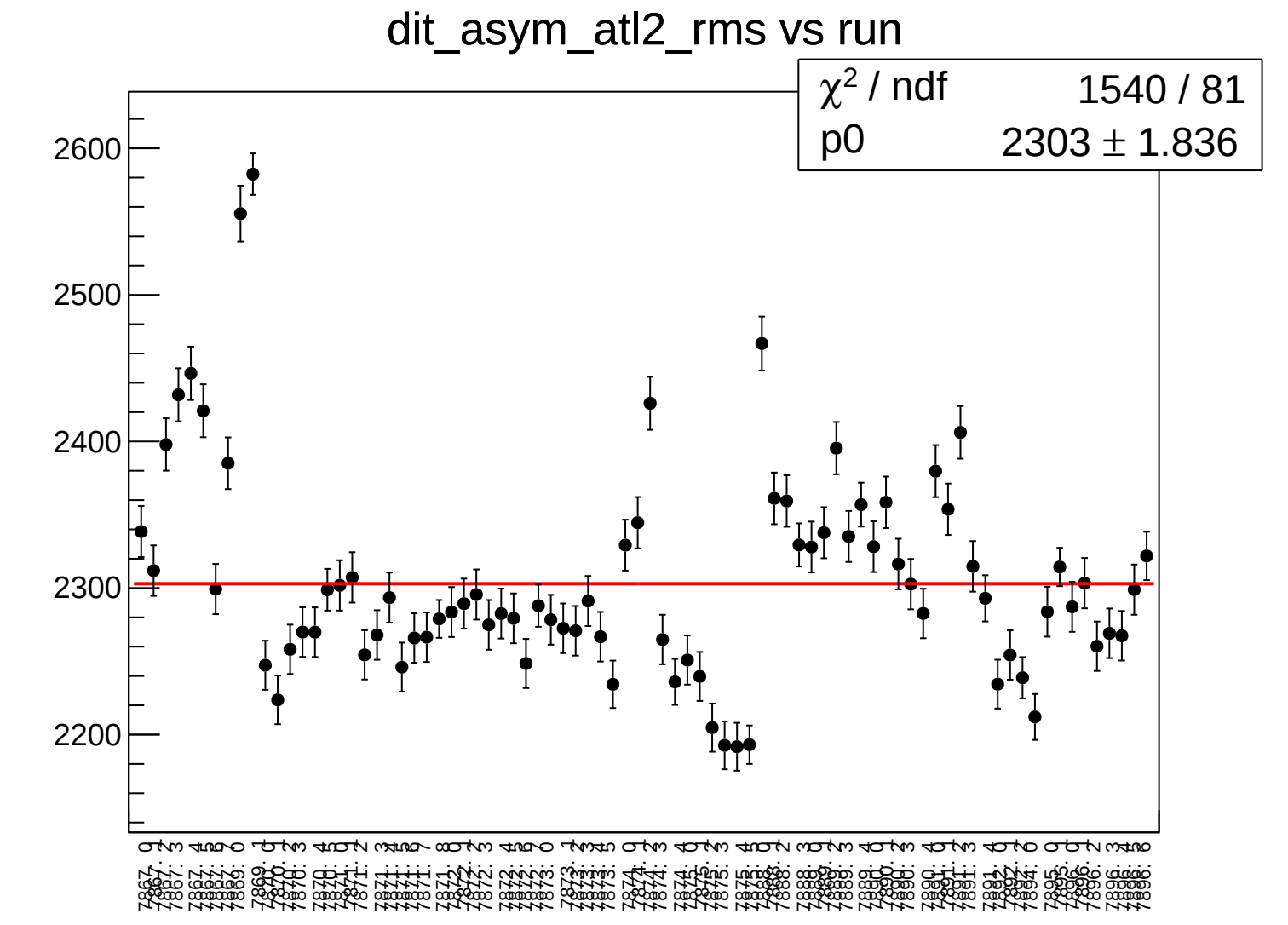

asym_atl1_mean vs run
χ² / ndf 66.68 / 81
p0 −1491 ± 2868
pull
Entries 82
Mean 360.6
Std Dev 303.4

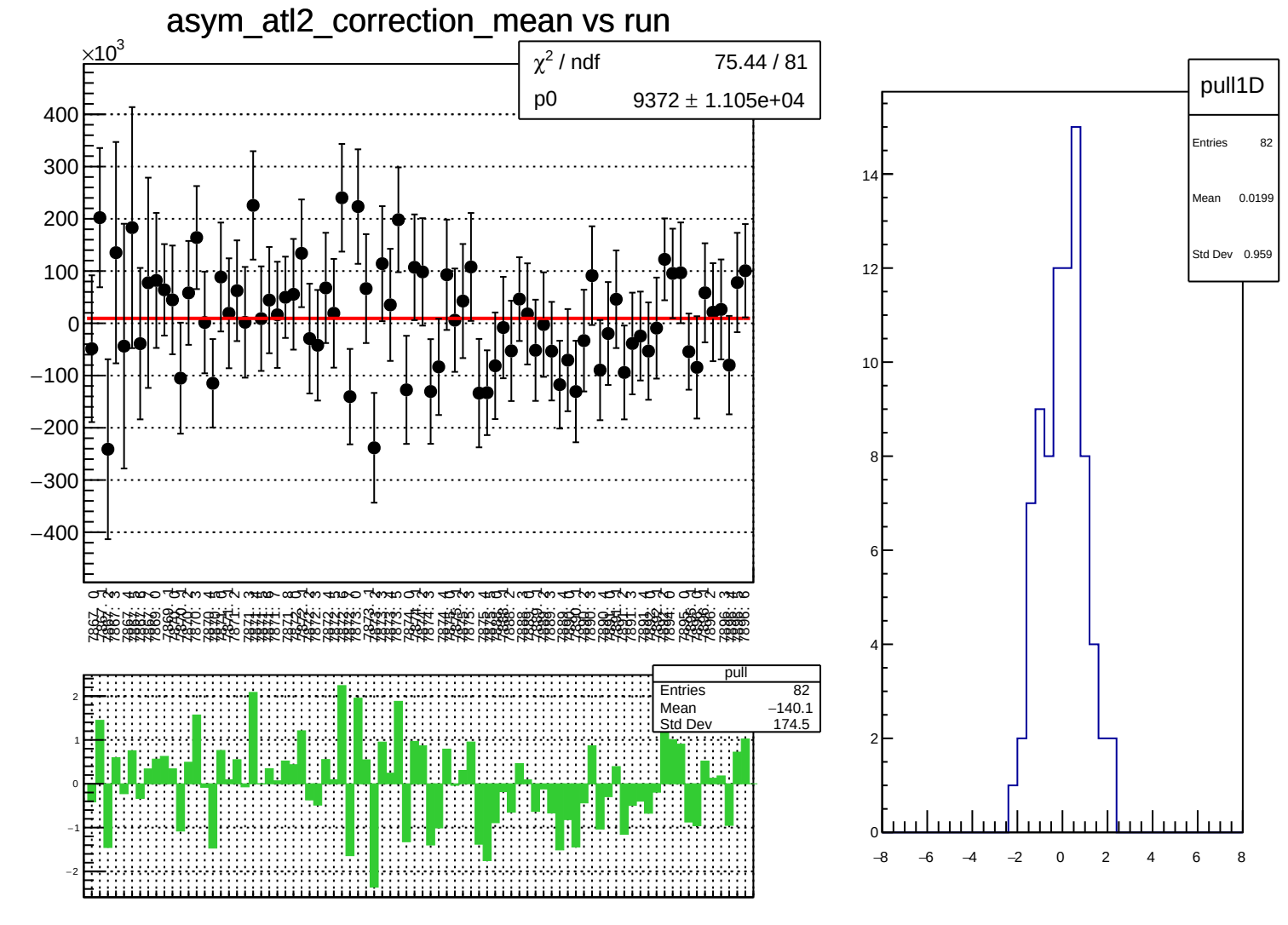

pull1D
Entries 82
Mean 0.009376
Std Dev 0.9017

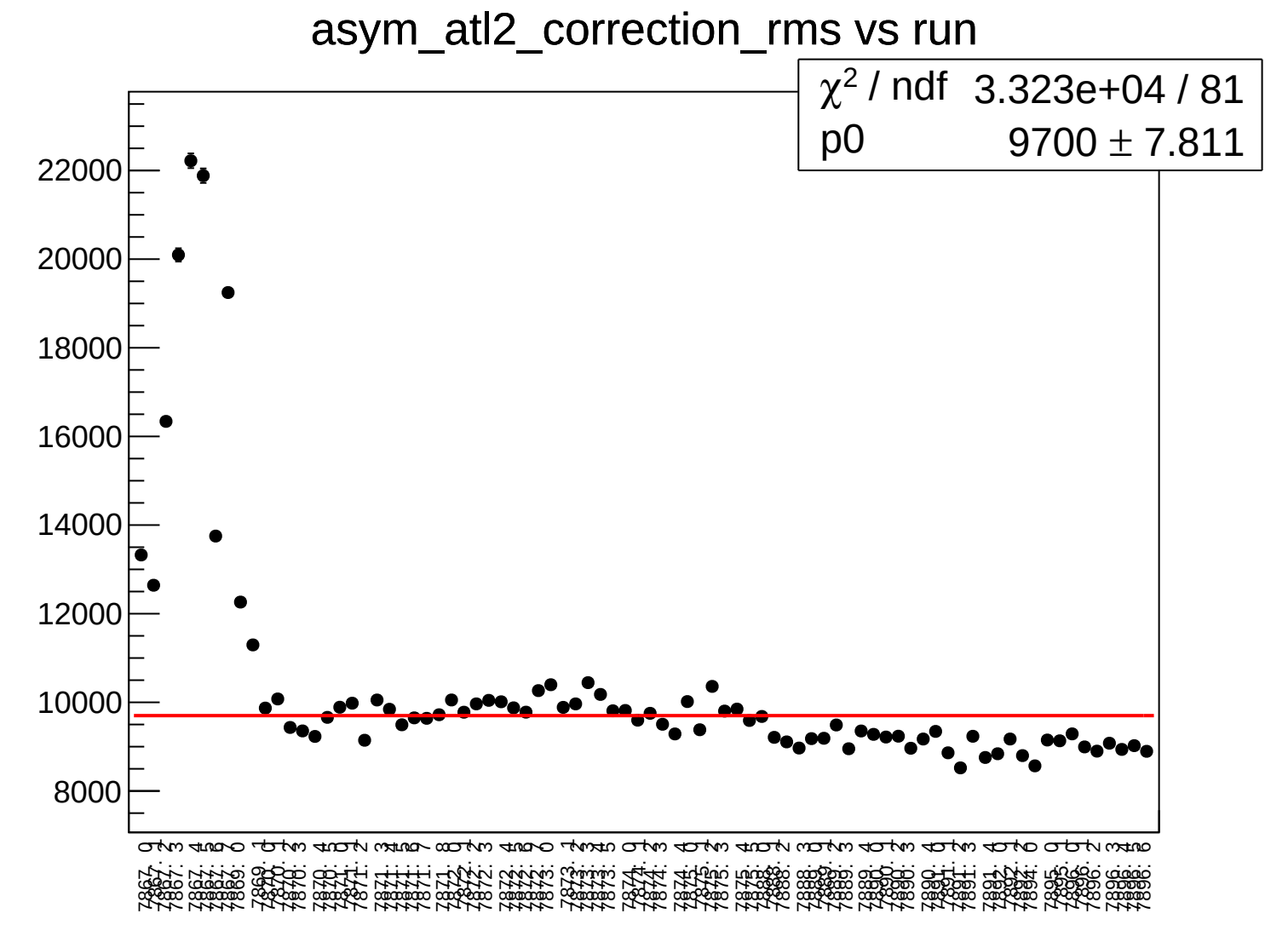

asym_atl1_rms vs run
χ² / ndf 3870 / 81
p0 2542 ± 2.028
3200
3100
3000
2900
2800
2700
2600
2500
2400

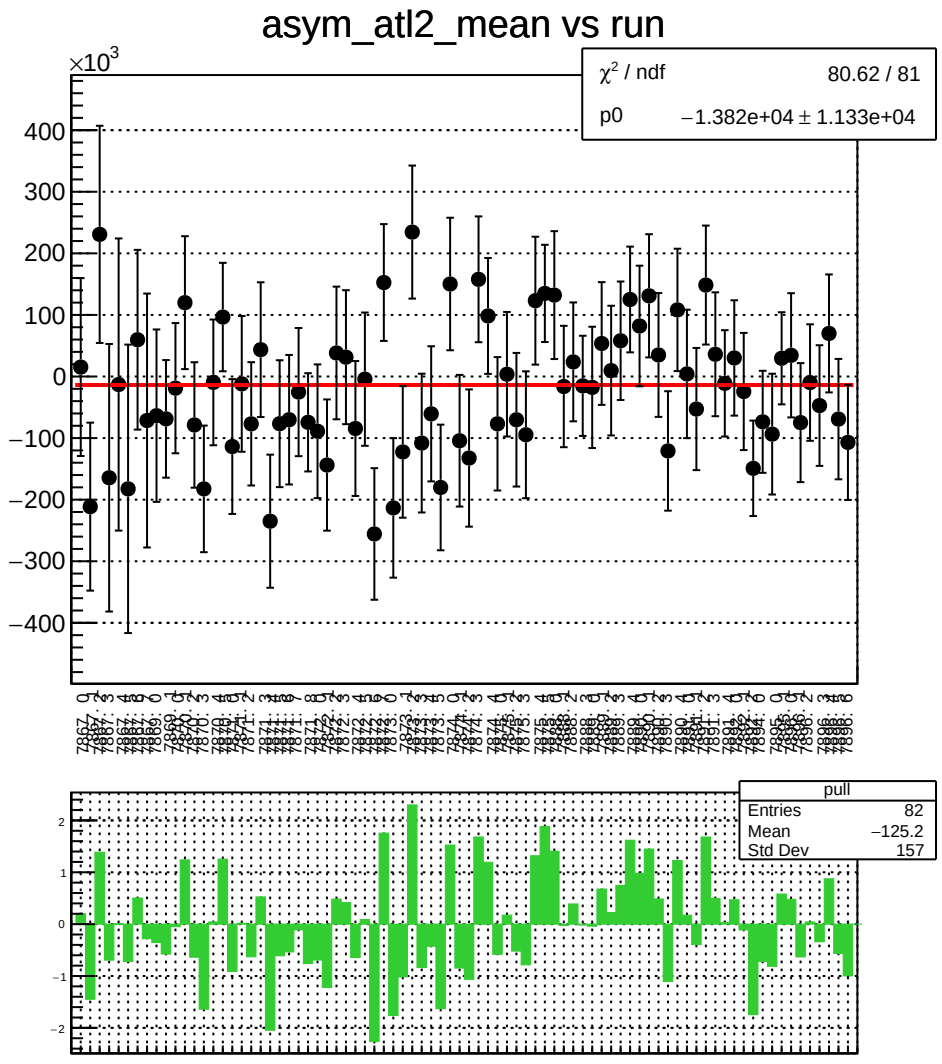

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 76.45 / 81
p0 −5434 ± 2596
pull
Entries 82
Mean 317.8
Std Dev 306.6

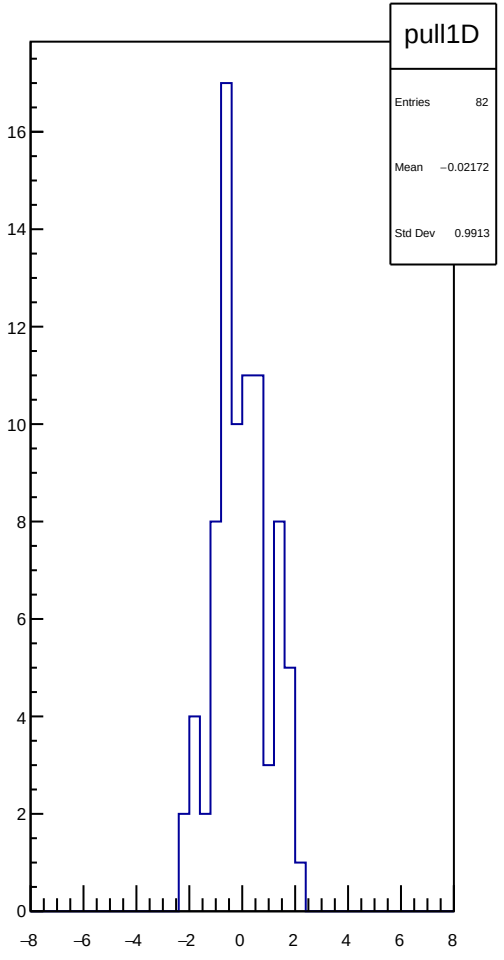

pull1D
Entries 82
Mean 0.004693
Std Dev 0.9655

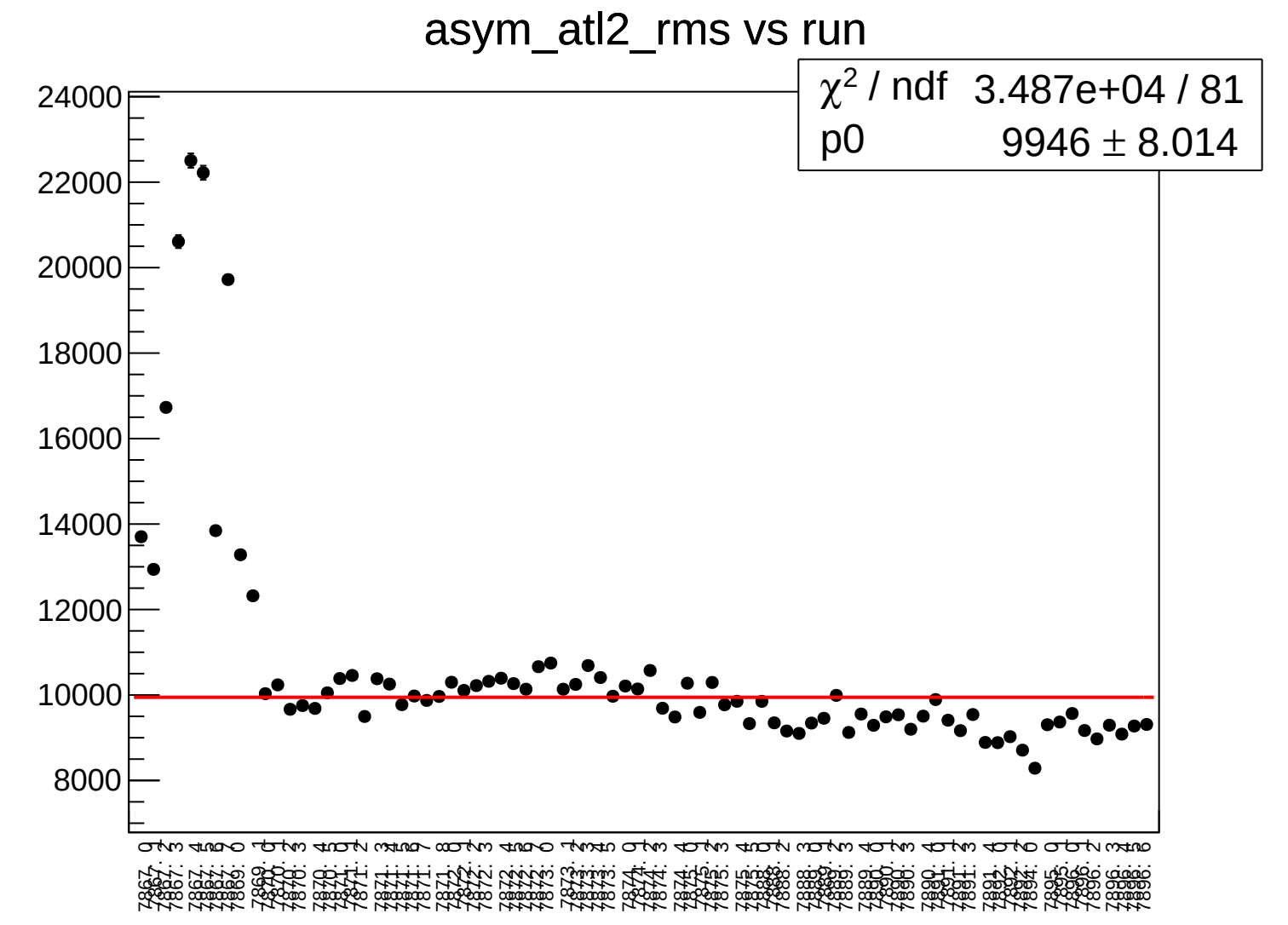

dit_asym_atl2_rms vs run
χ² / ndf 1540 / 81
p0 2303 ± 1.836
2600
2500
2400
2300
2200

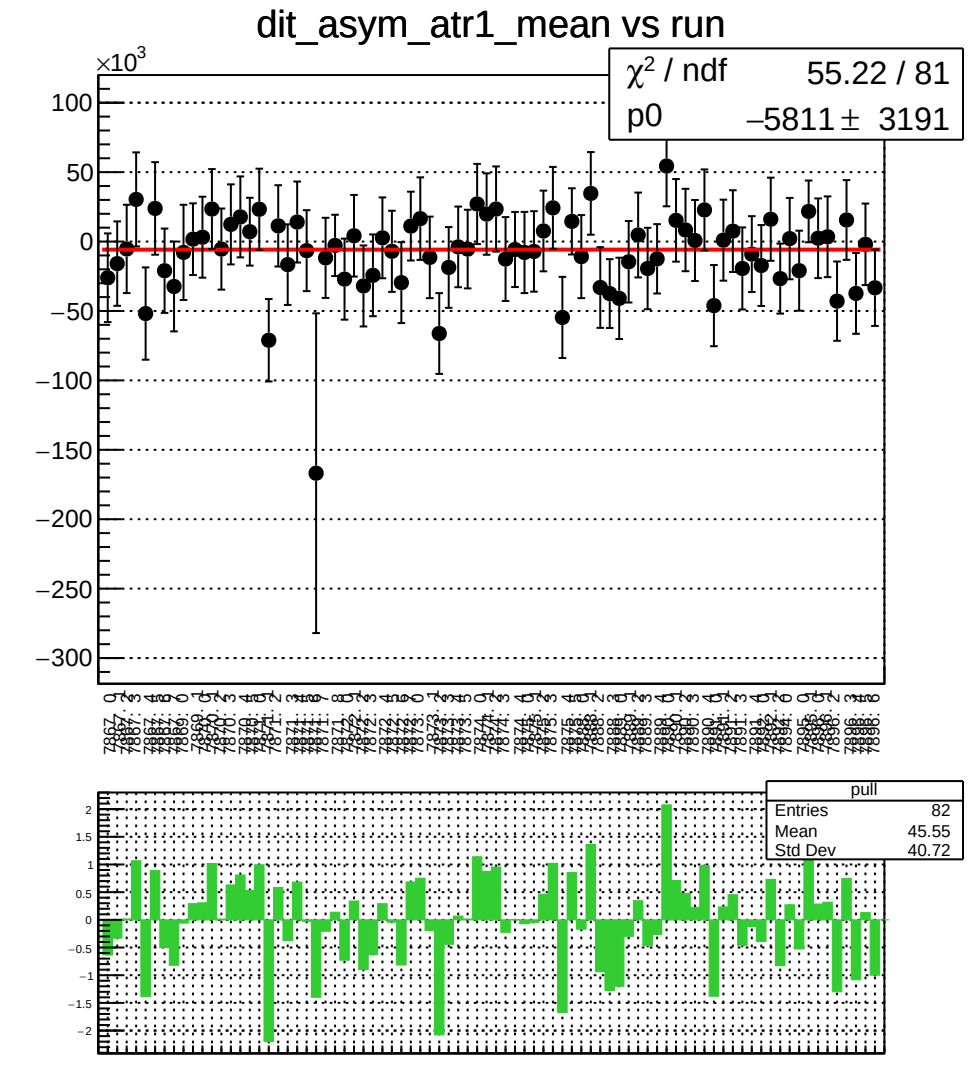

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 75.44 / 81
p0 9372 ± 1.105e+04
pull
Entries 82
Mean −140.1
Std Dev 174.5
pull1D
Entries 82
Mean 0.0199
Std Dev 0.959

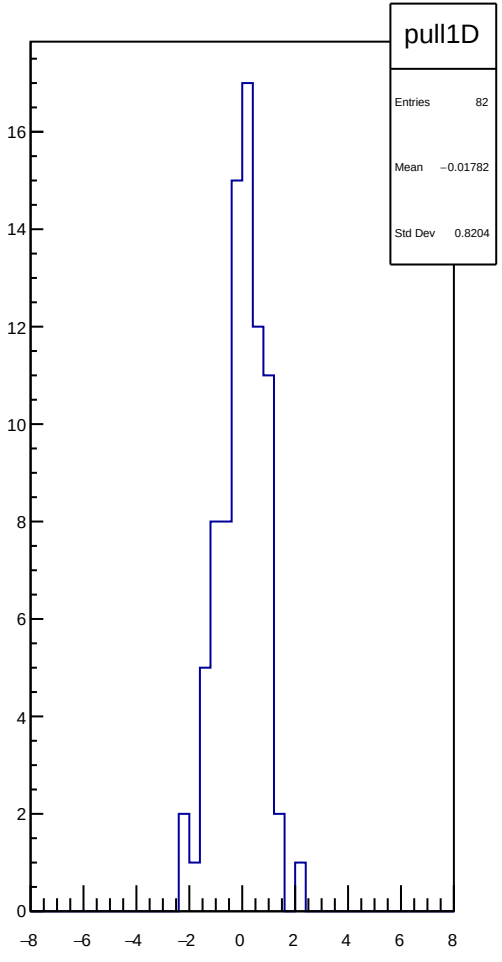

asym_atl2_correction_rms vs run
χ² / ndf 3.323e+04 / 81
p0 9700 ± 7.811
22000
20000
18000
16000
14000
12000
10000
8000

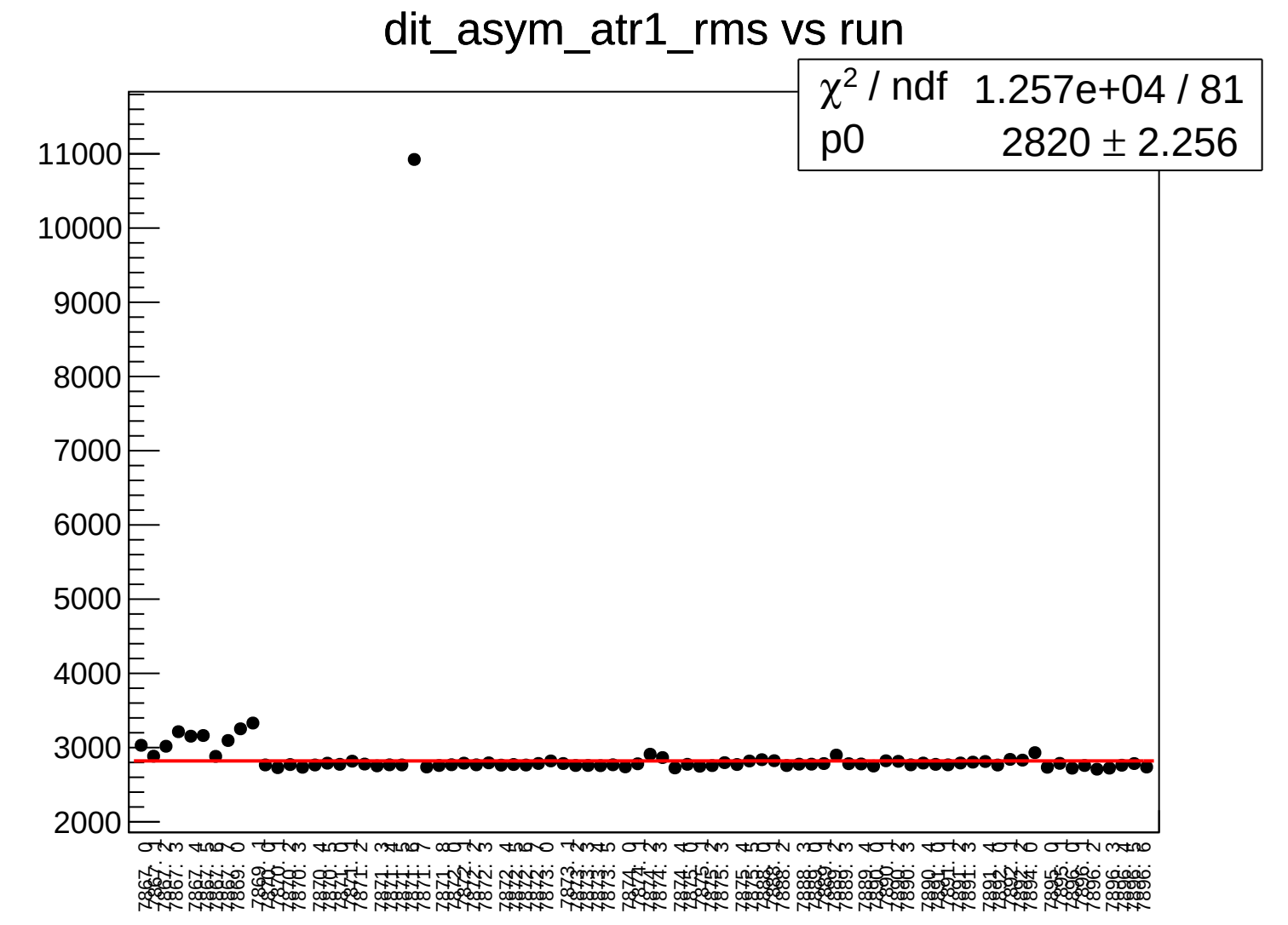

asym_atl2_mean vs run
×10^3
χ² / ndf 80.62 / 81
p0 −1.382e+04 ± 1.133e+04
pull
Entries 82
Mean −125.2
Std Dev 157

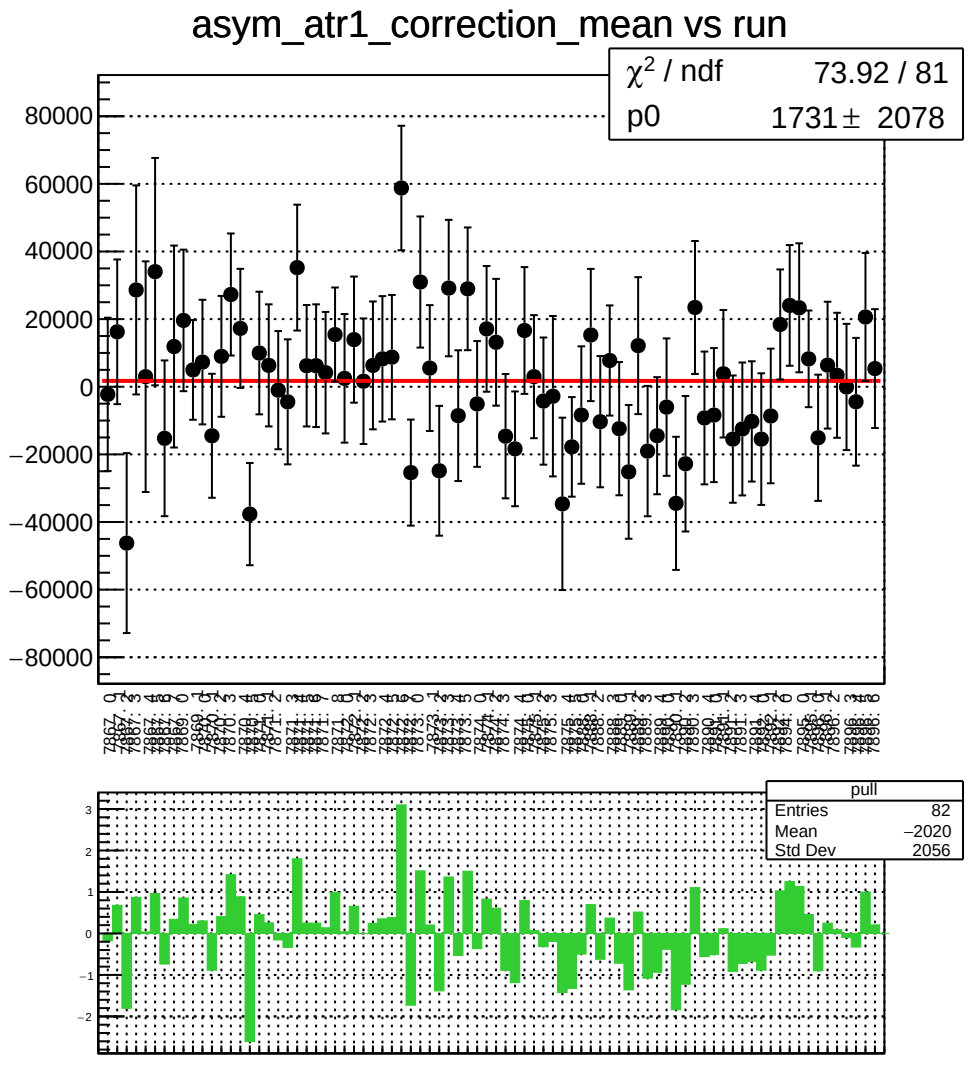

pull1D
Entries 82
Mean −0.02172
Std Dev 0.9913

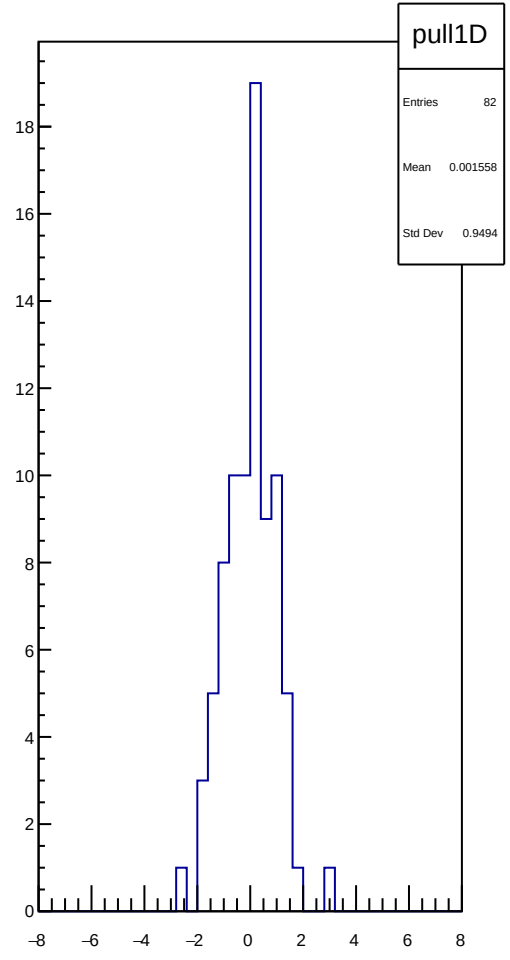

asym_atl2_rms vs run
χ² / ndf 3.487e+04 / 81
p0 9946 ± 8.014
24000
22000
20000
18000
16000
14000
12000
10000
8000

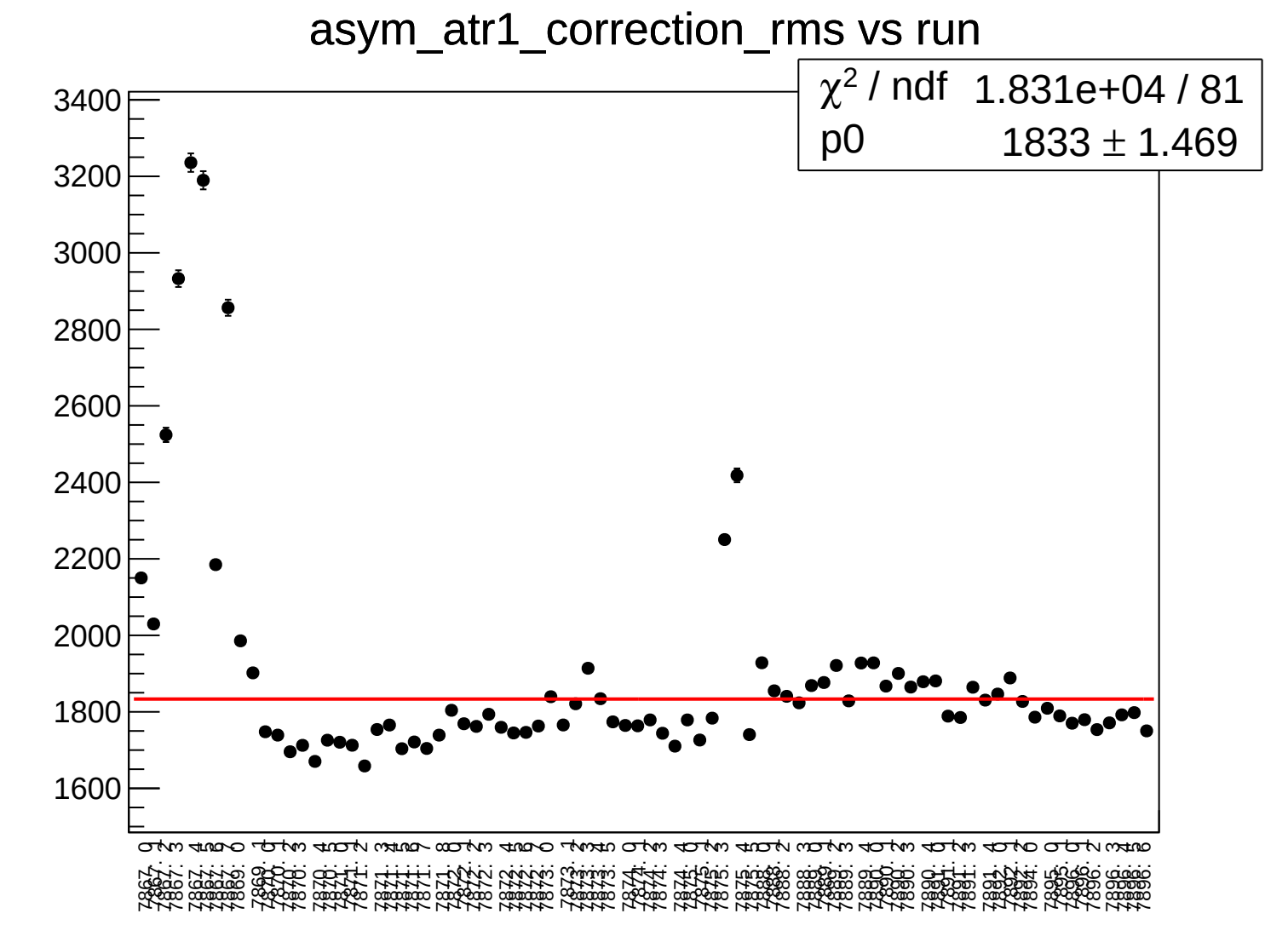

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 55.22 / 81
p0 −5811 ± 3191
pull
Entries 82
Mean 45.55
Std Dev 40.72

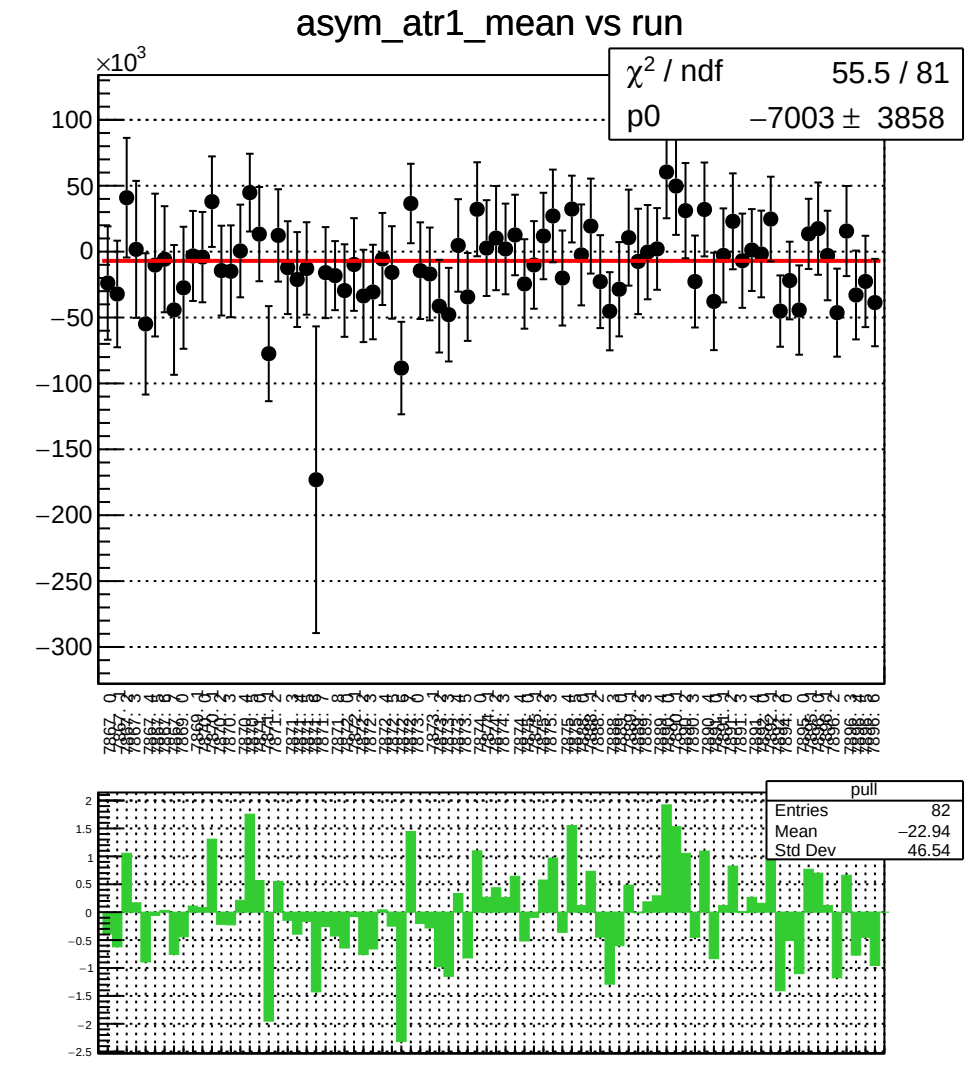

pull1D
Entries 82
Mean −0.01782
Std Dev 0.8204

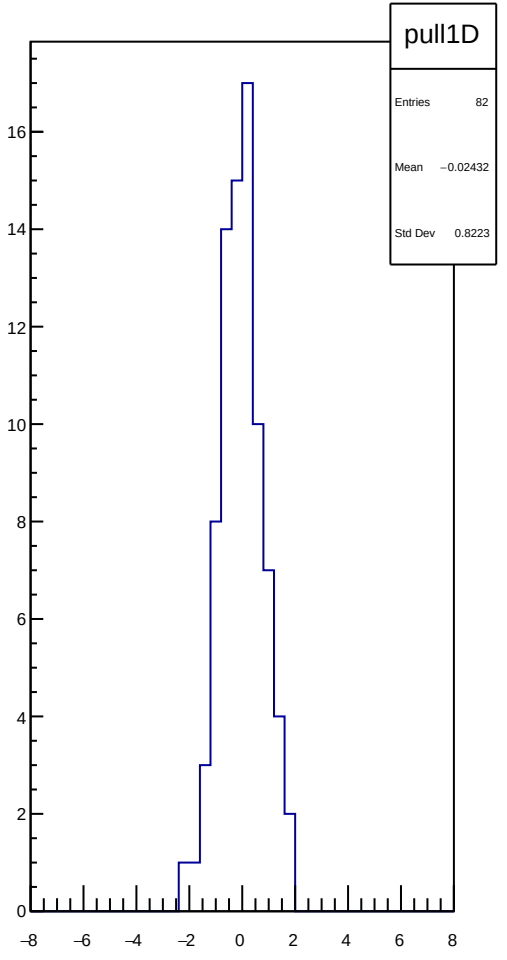

dit_asym_atr1_rms vs run
χ² / ndf 1.257e+04 / 81
p0 2820 ± 2.256
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

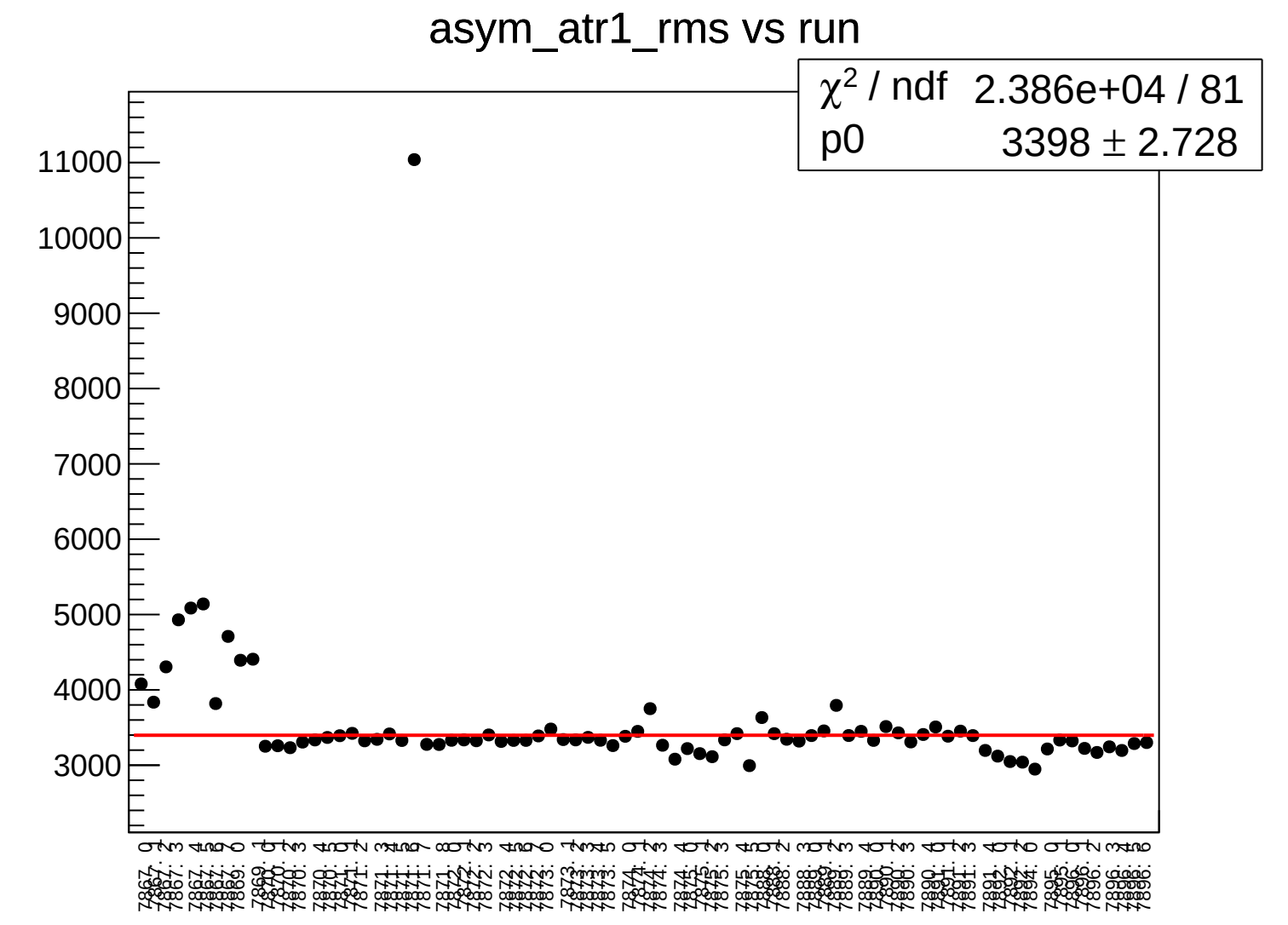

asym_atr1_correction_mean vs run
χ² / ndf 73.92 / 81
p0 1731 ± 2078
pull
Entries 82
Mean −2020
Std Dev 2056

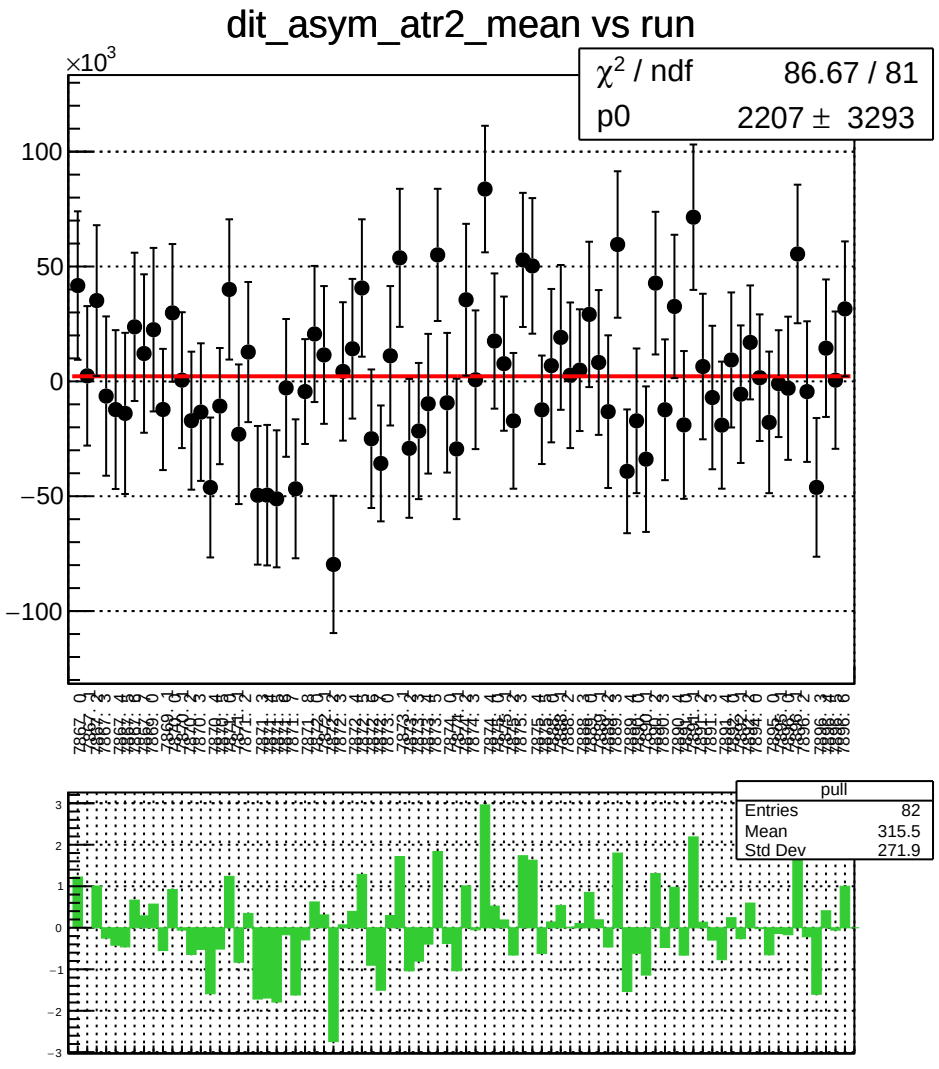

pull1D
Entries 82
Mean 0.001558
Std Dev 0.9494

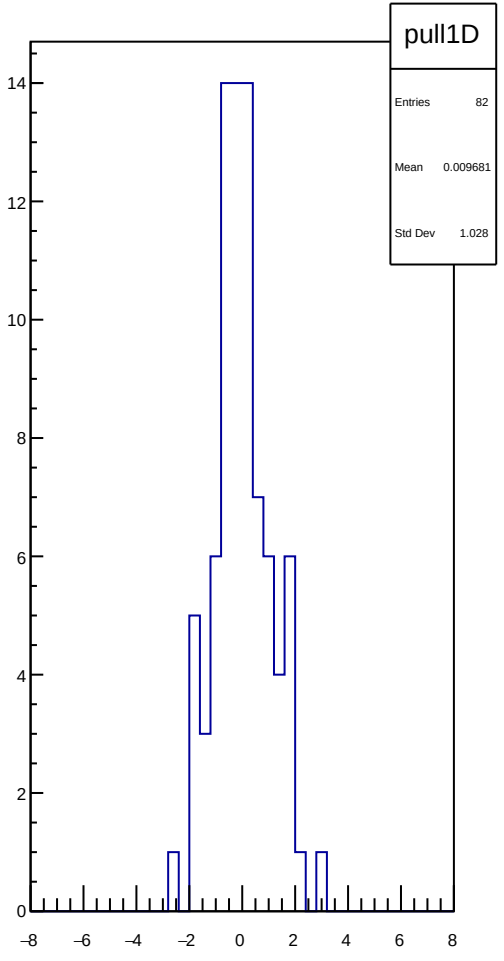

asym_atr1_correction_rms vs run
χ² / ndf 1.831e+04 / 81
p0 1833 ± 1.469
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

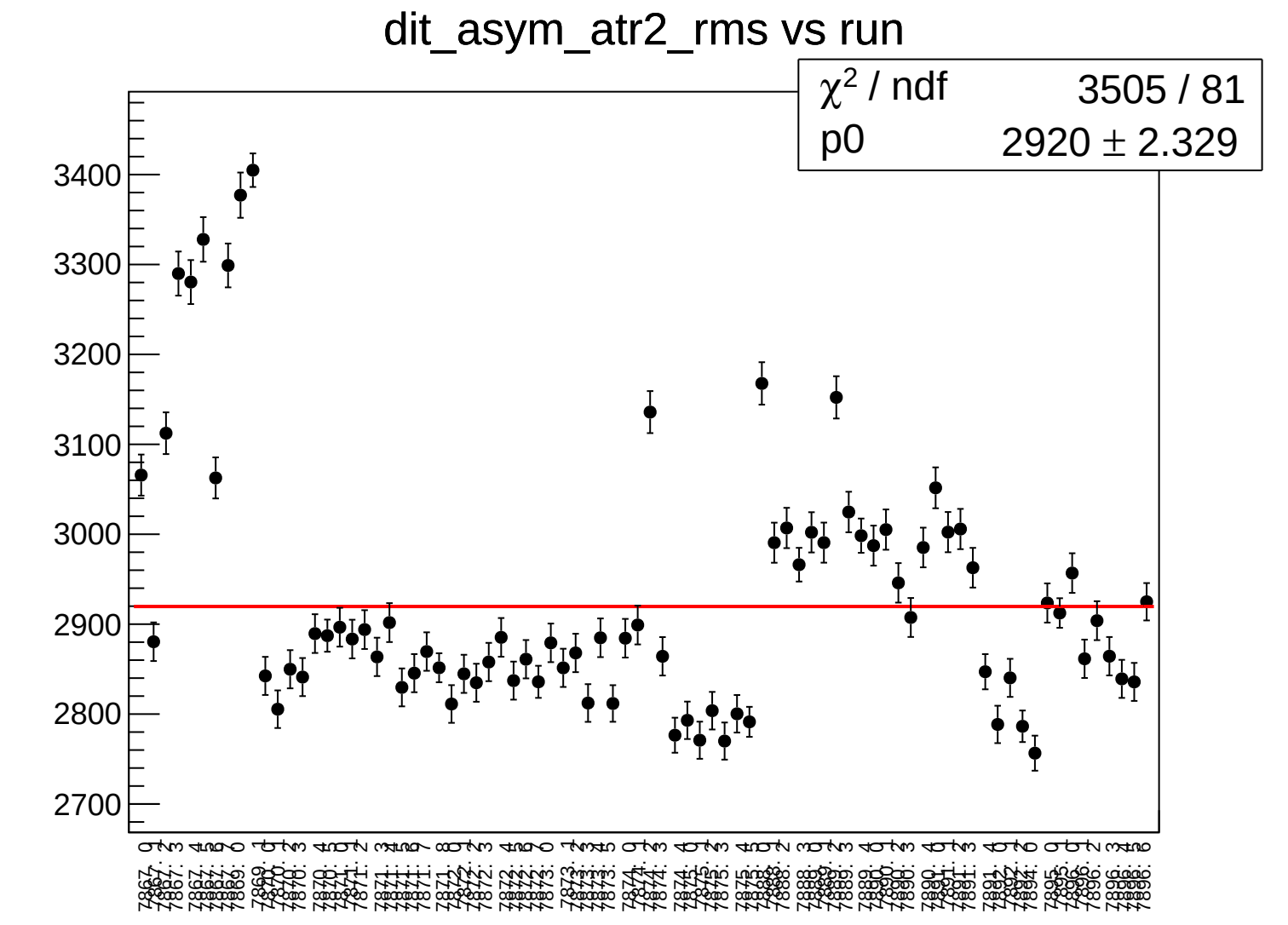

asym_atr1_mean vs run
×10^3
χ² / ndf 55.5 / 81
p0 −7003 ± 3858
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 82
Mean −22.94
Std Dev 46.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

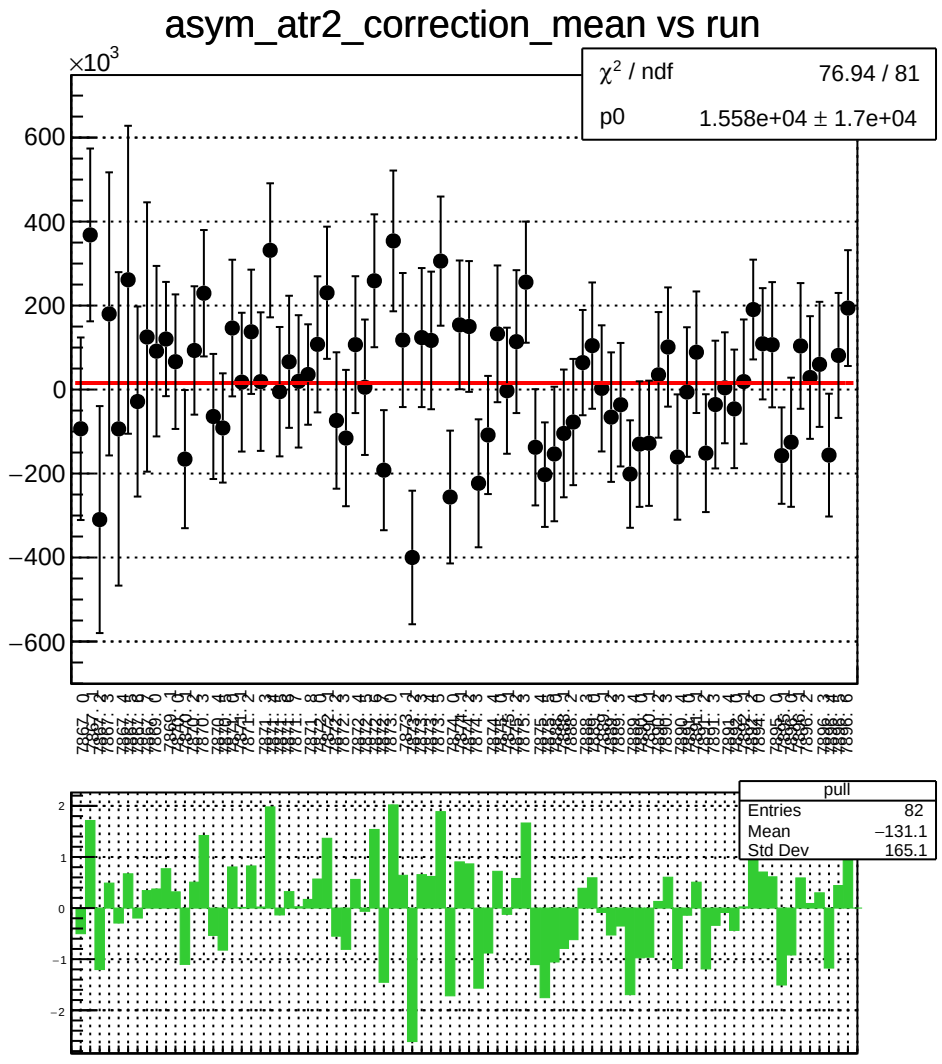

pull1D
Entries 82
Mean −0.02432
Std Dev 0.8223
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

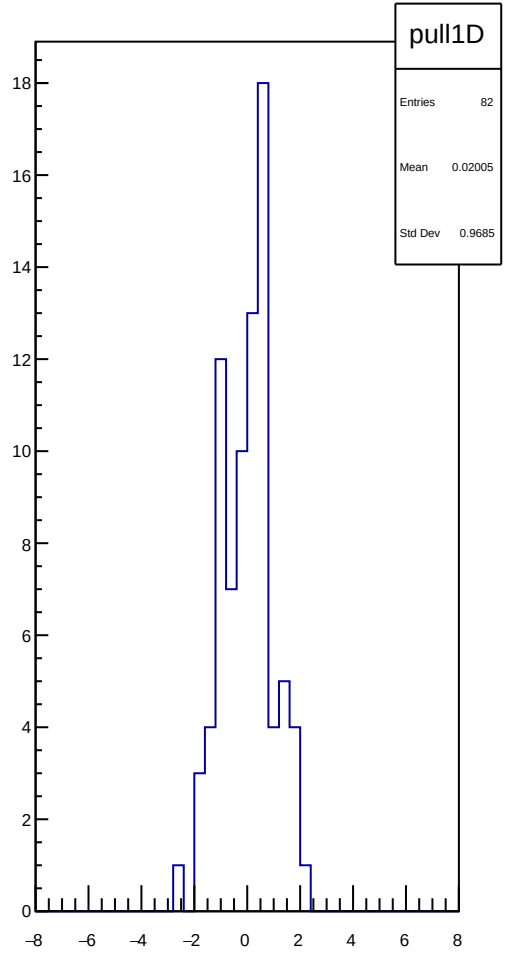

asym_atr1_rms vs run
χ^2 / ndf 2.386e+04 / 81
p0 3398 ± 2.728
11000
10000
9000
8000
7000
6000
5000
4000
3000

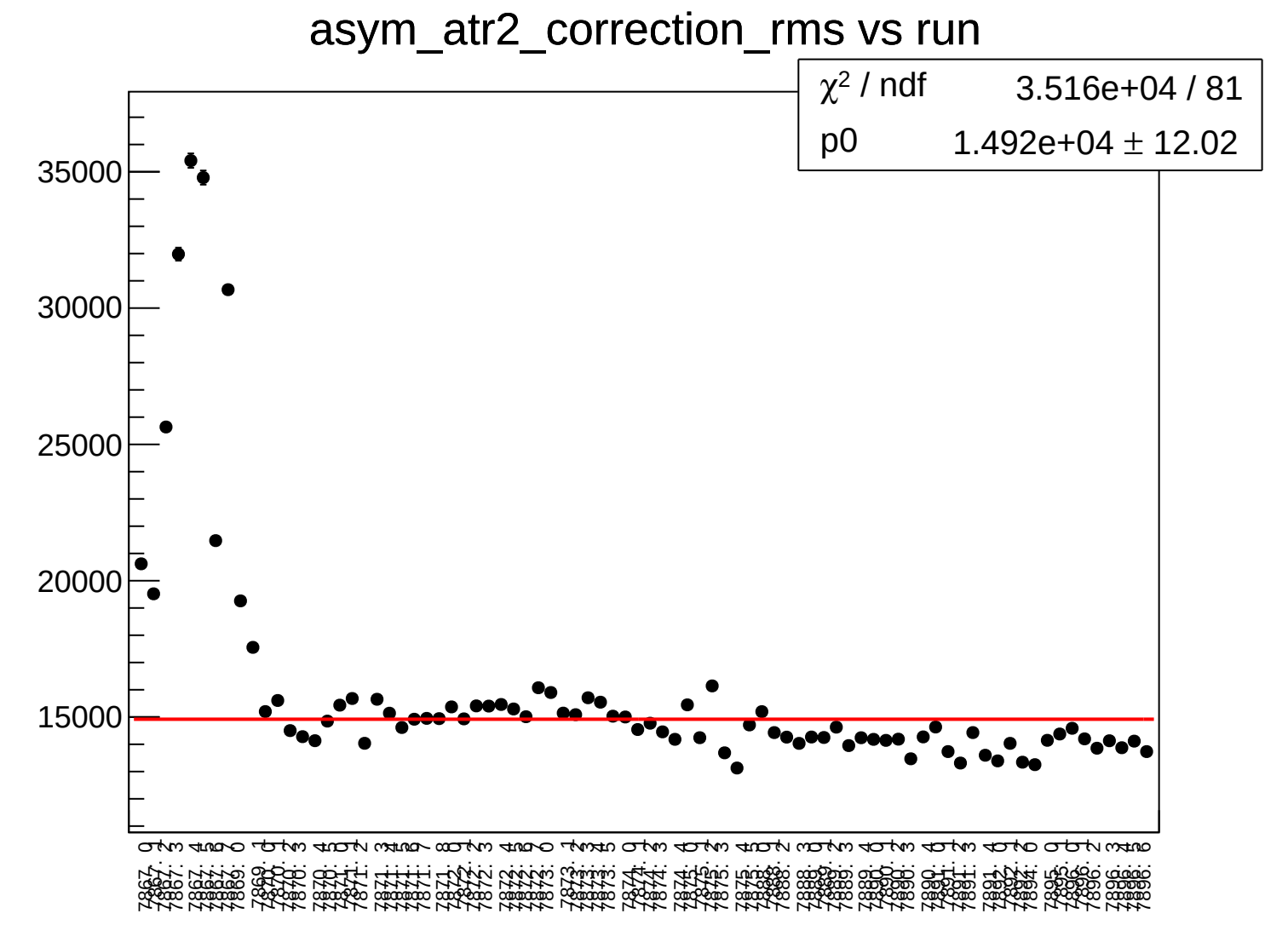

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 86.67 / 81
p0 2207 ± 3293
100
50
0
−50
−100
pull
Entries 82
Mean 315.5
Std Dev 271.9
3
2
1
0
−1
−2
−3

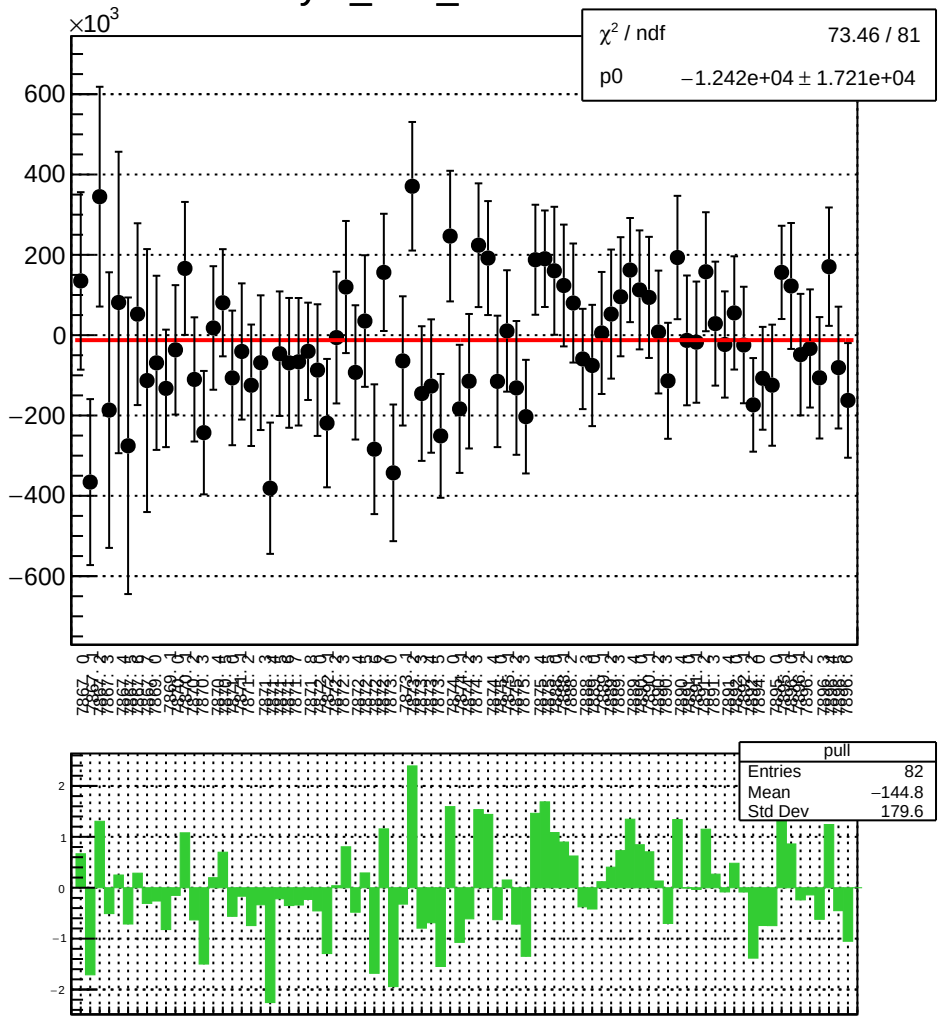

pull1D
Entries 82
Mean 0.009681
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

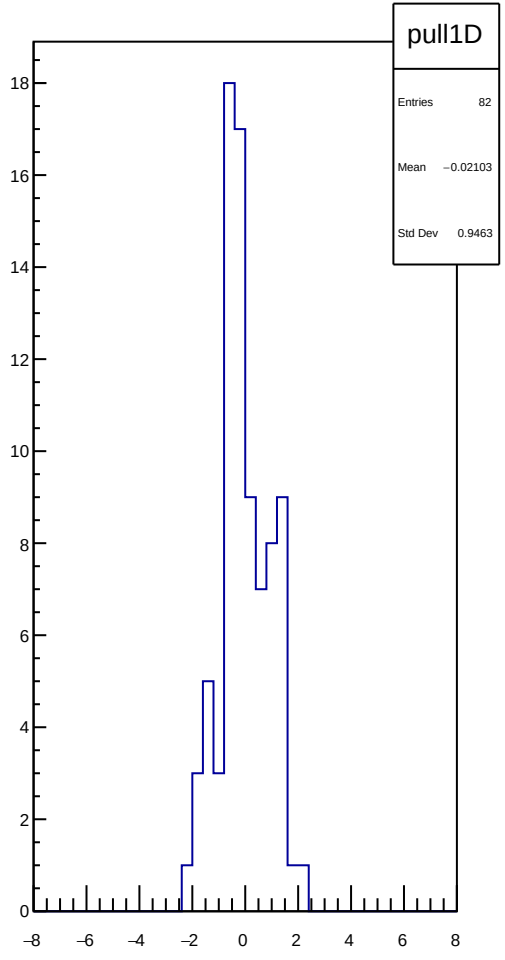

dit_asym_atr2_rms vs run
χ² / ndf 3505 / 81
p0 2920 ± 2.329
3400
3300
3200
3100
3000
2900
2800
2700

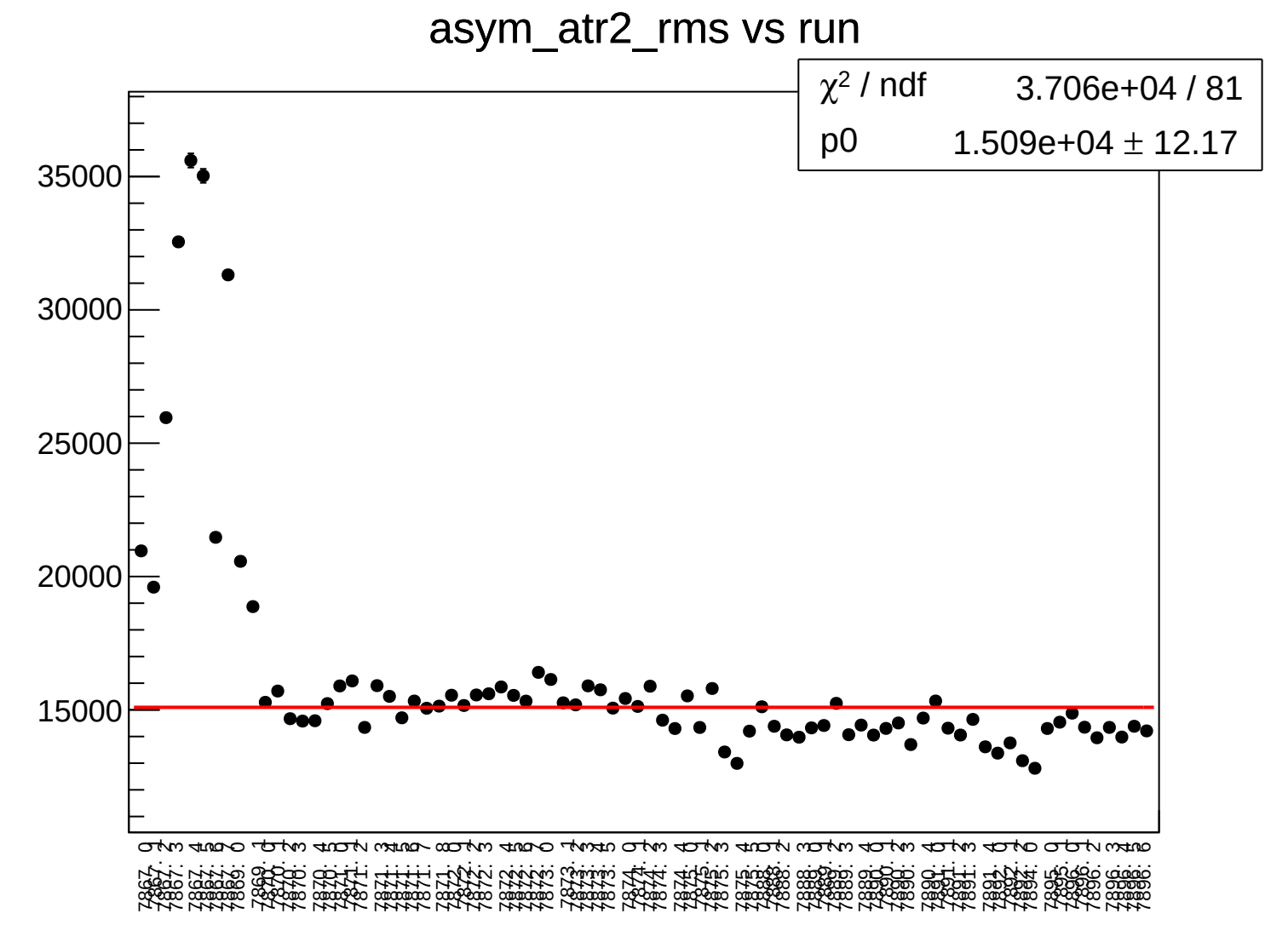

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 76.94 / 81
p0 1.558e+04 ± 1.7e+04
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean −131.1
Std Dev 165.1
2
1
0
−1
−2

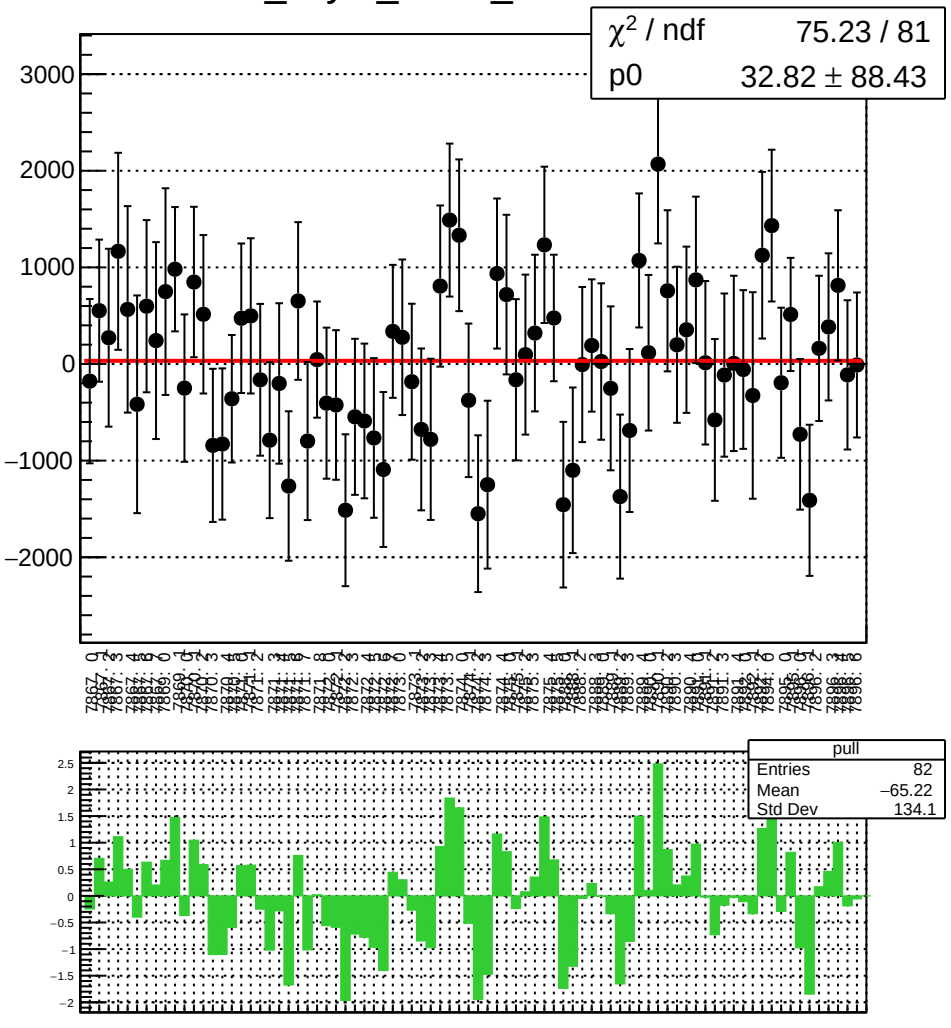

pull1D
Entries 82
Mean 0.02005
Std Dev 0.9685
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

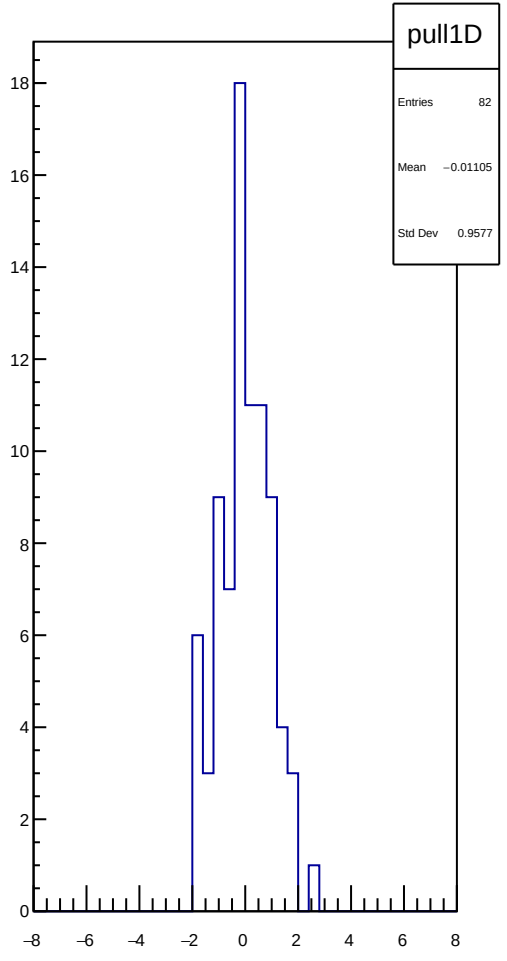

asym_atr2_correction_rms vs run
χ² / ndf 3.516e+04 / 81
p0 1.492e+04 ± 12.02
35000
30000
25000
20000
15000

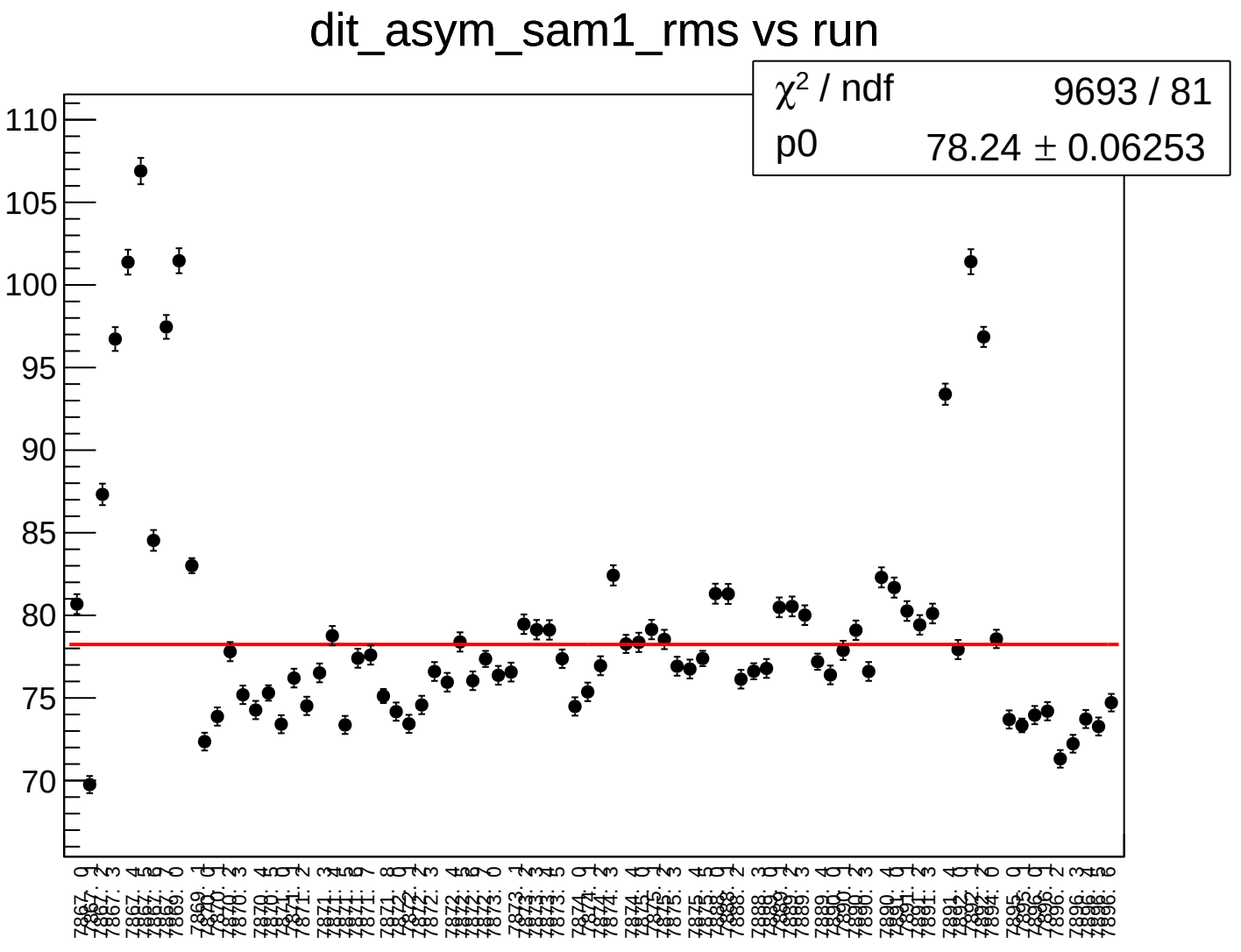

asym_atr2_mean vs run
×10^3
χ² / ndf 73.46 / 81
p0 −1.242e+04 ± 1.721e+04
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean −144.8
Std Dev 179.6
2
1
0
−1
−2

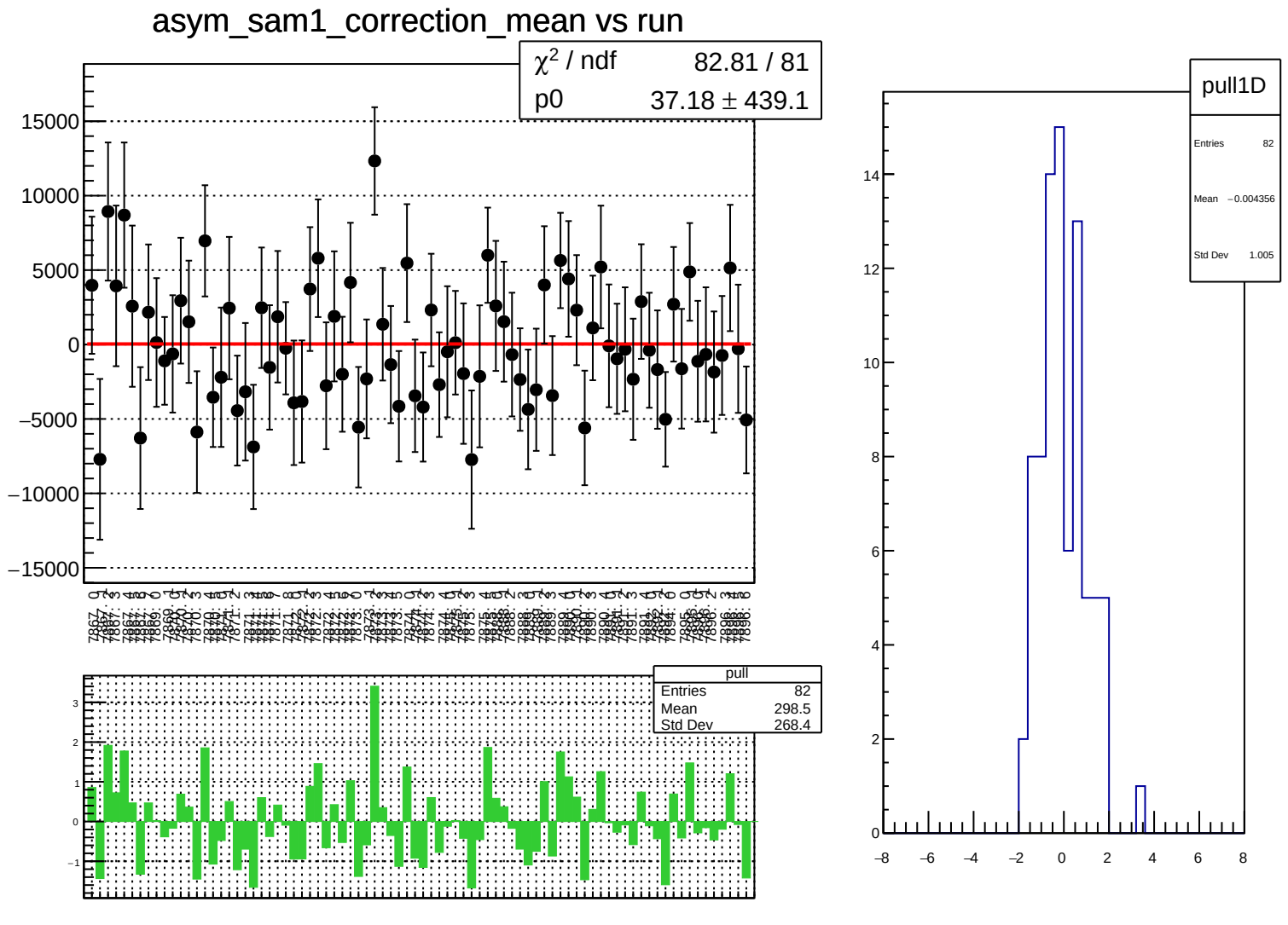

pull1D
Entries 82
Mean −0.02103
Std Dev 0.9463
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

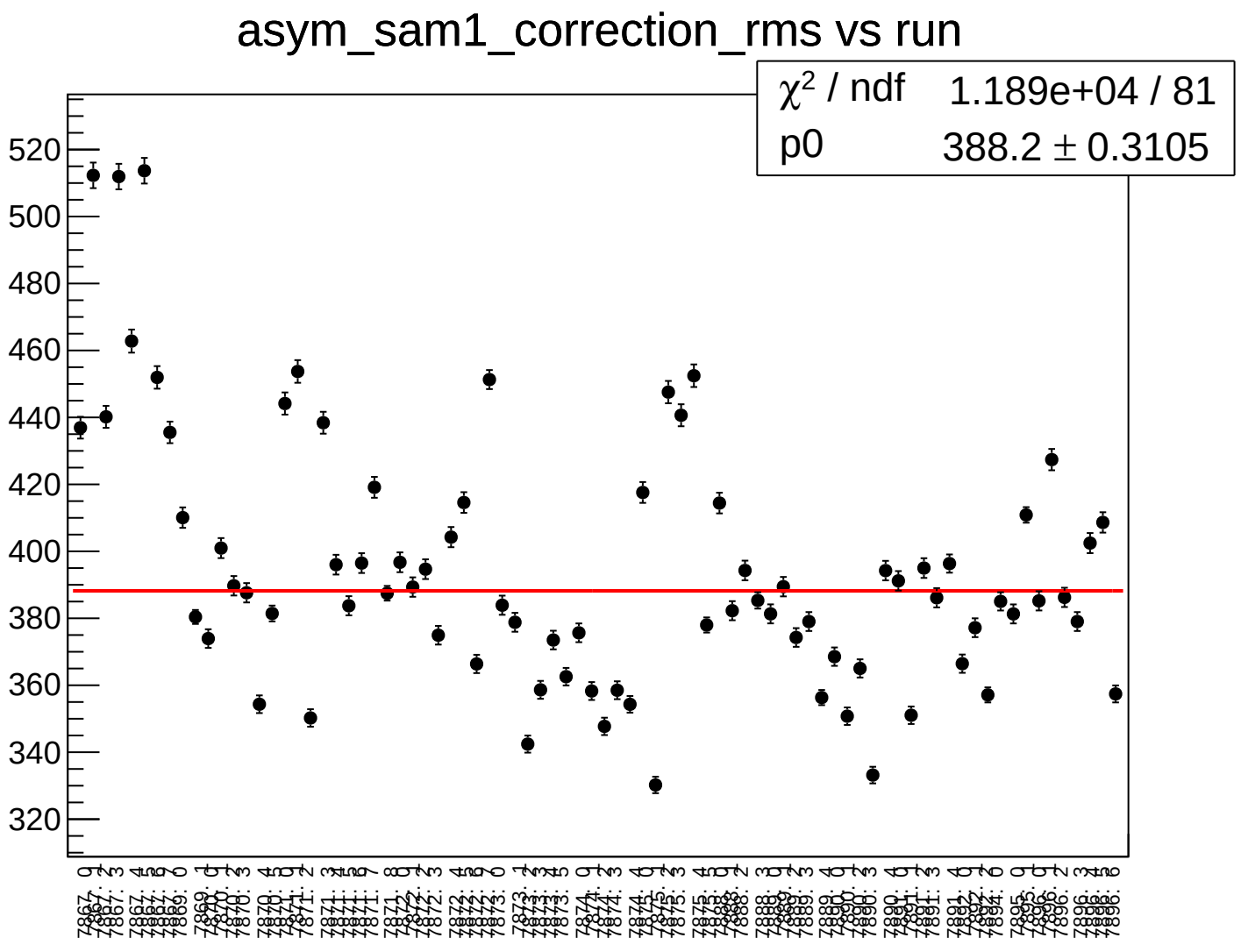

asym_atr2_rms vs run
χ² / ndf 3.706e+04 / 81
p0 1.509e+04 ± 12.17
35000
30000
25000
20000
15000

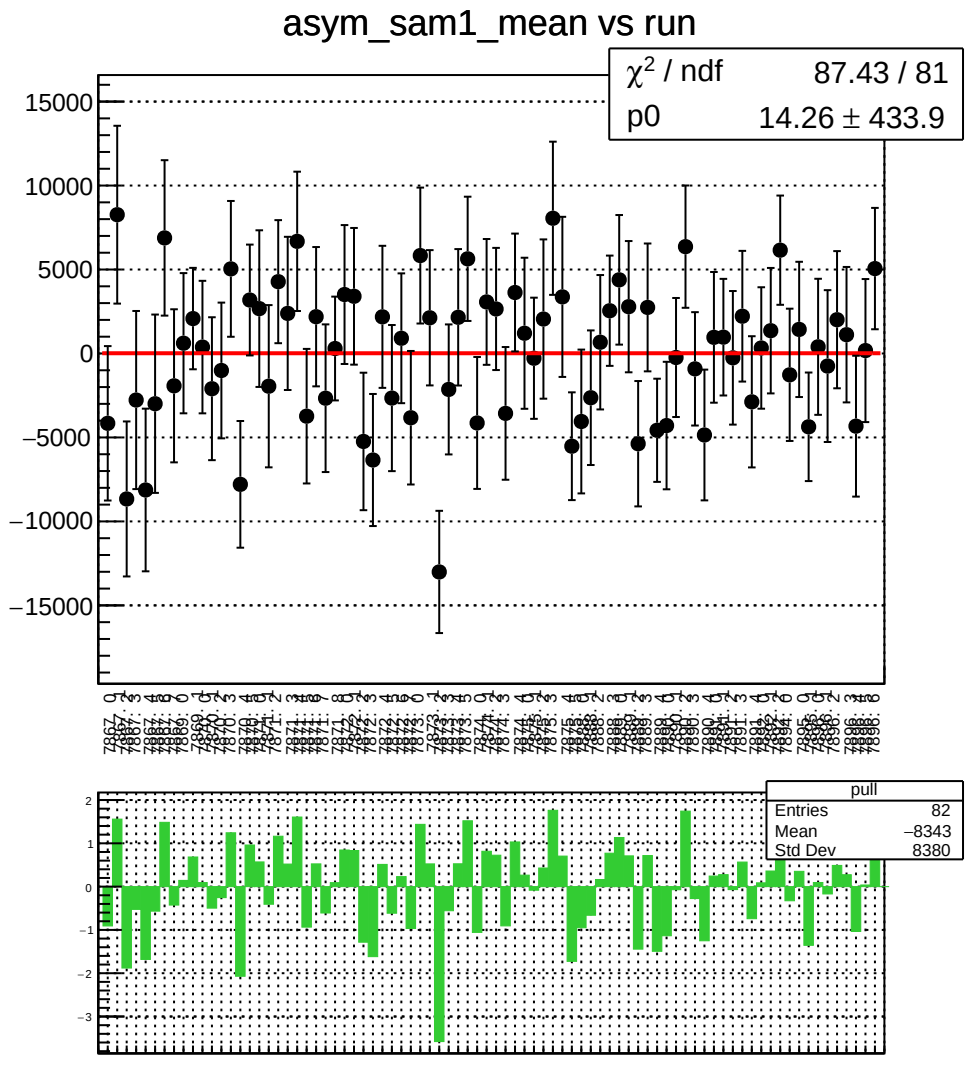

dit_asym_sam1_mean vs run
χ² / ndf 75.23 / 81
p0 32.82 ± 88.43
pull
Entries 82
Mean −65.22
Std Dev 134.1

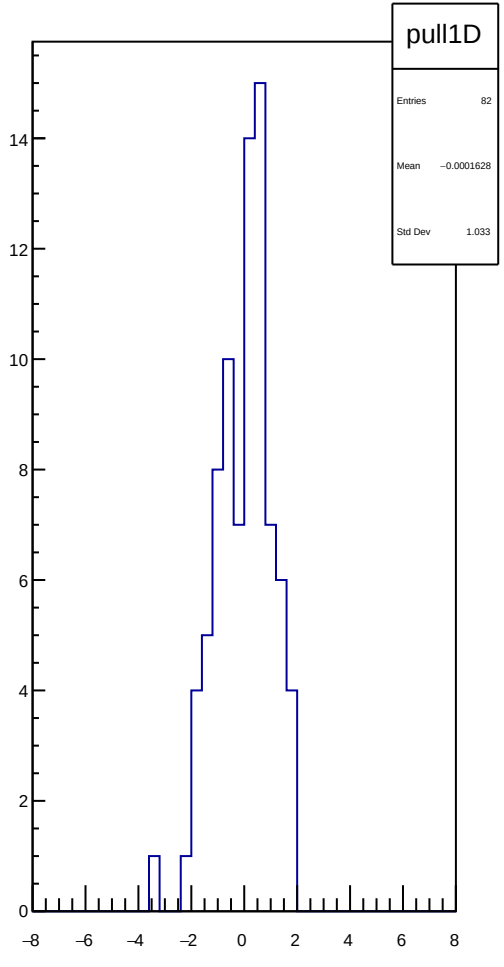

pull1D
Entries 82
Mean −0.01105
Std Dev 0.9577

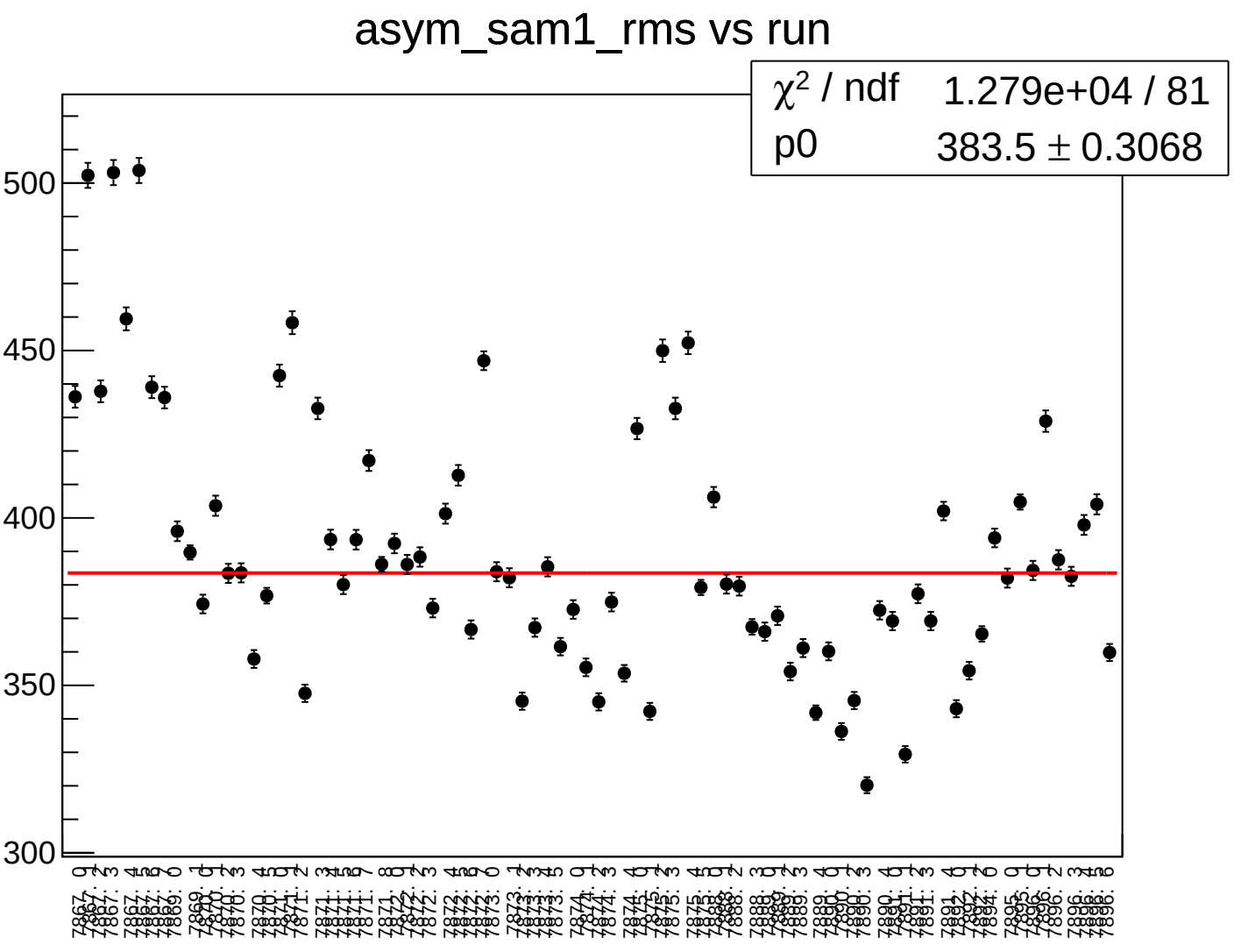

dit_asym_sam1_rms vs run
χ^2 / ndf 9693 / 81
p0 78.24 ± 0.06253
110
105
100
95
90
85
80
75
70

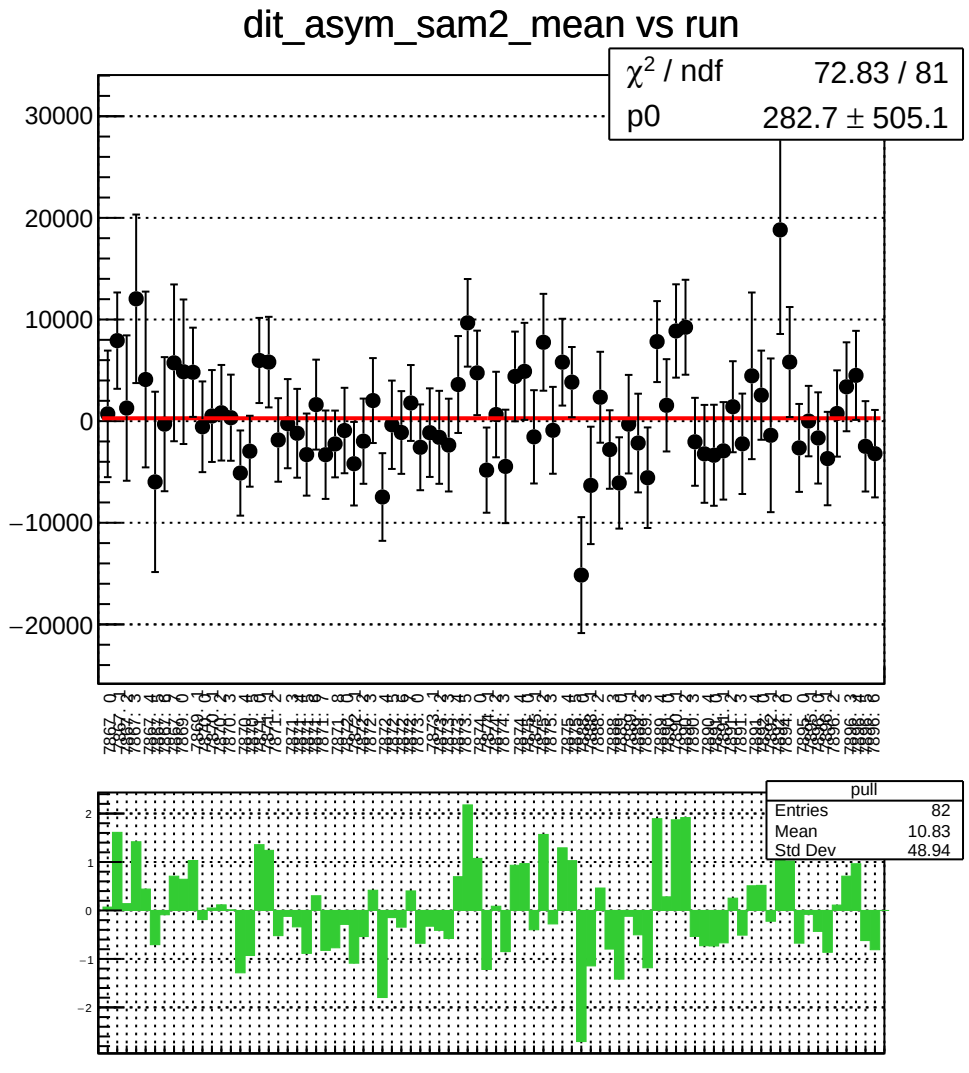

asym_sam1_correction_mean vs run
χ² / ndf 82.81 / 81
p0 37.18 ± 439.1
pull
Entries 82
Mean 298.5
Std Dev 268.4
pull1D
Entries 82
Mean −0.004356
Std Dev 1.005

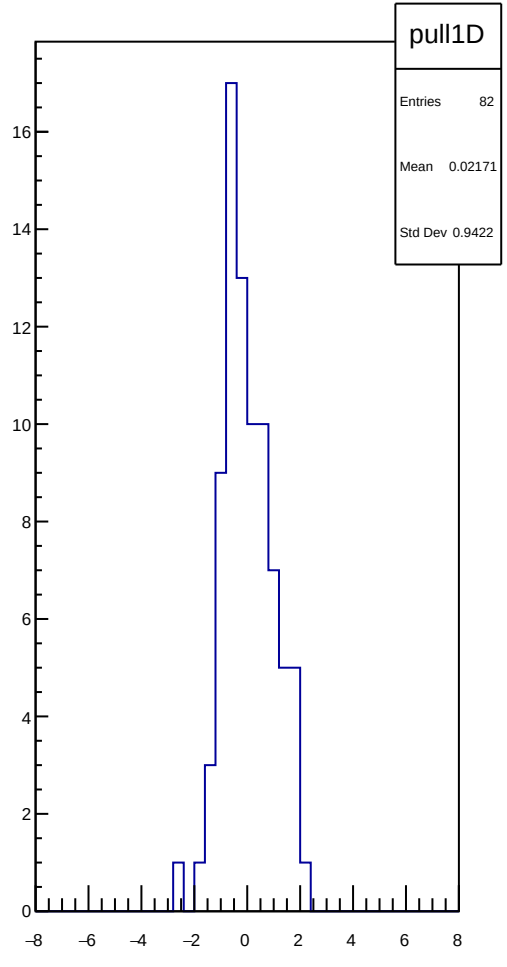

asym_sam1_correction_rms vs run
χ^2 / ndf 1.189e+04 / 81
p0 388.2 ± 0.3105
520
500
480
460
440
420
400
380
360
340
320

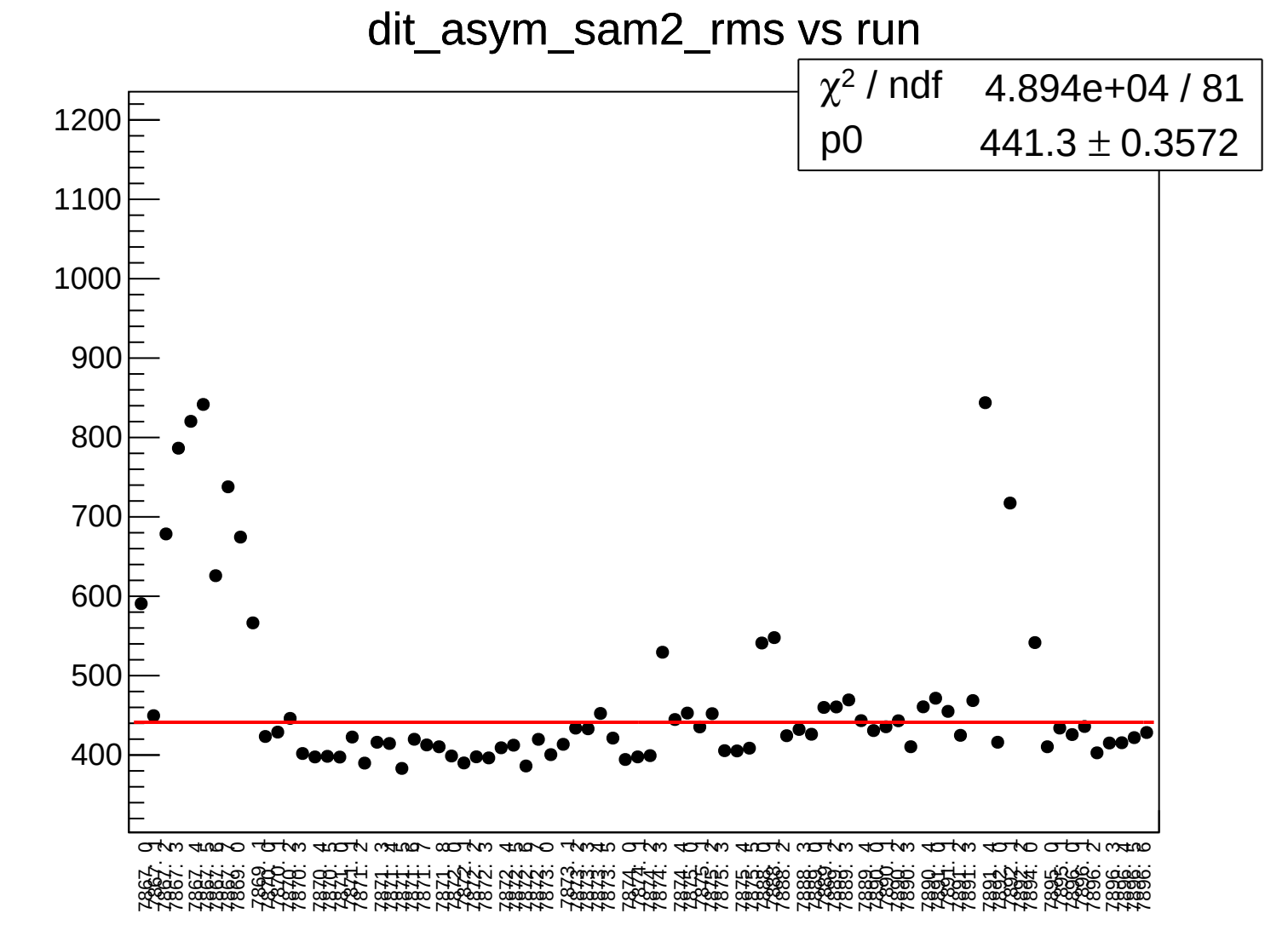

asym_sam1_mean vs run
χ² / ndf 87.43 / 81
p0 14.26 ± 433.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −8343
Std Dev 8380
2
1
0
−1
−2
−3

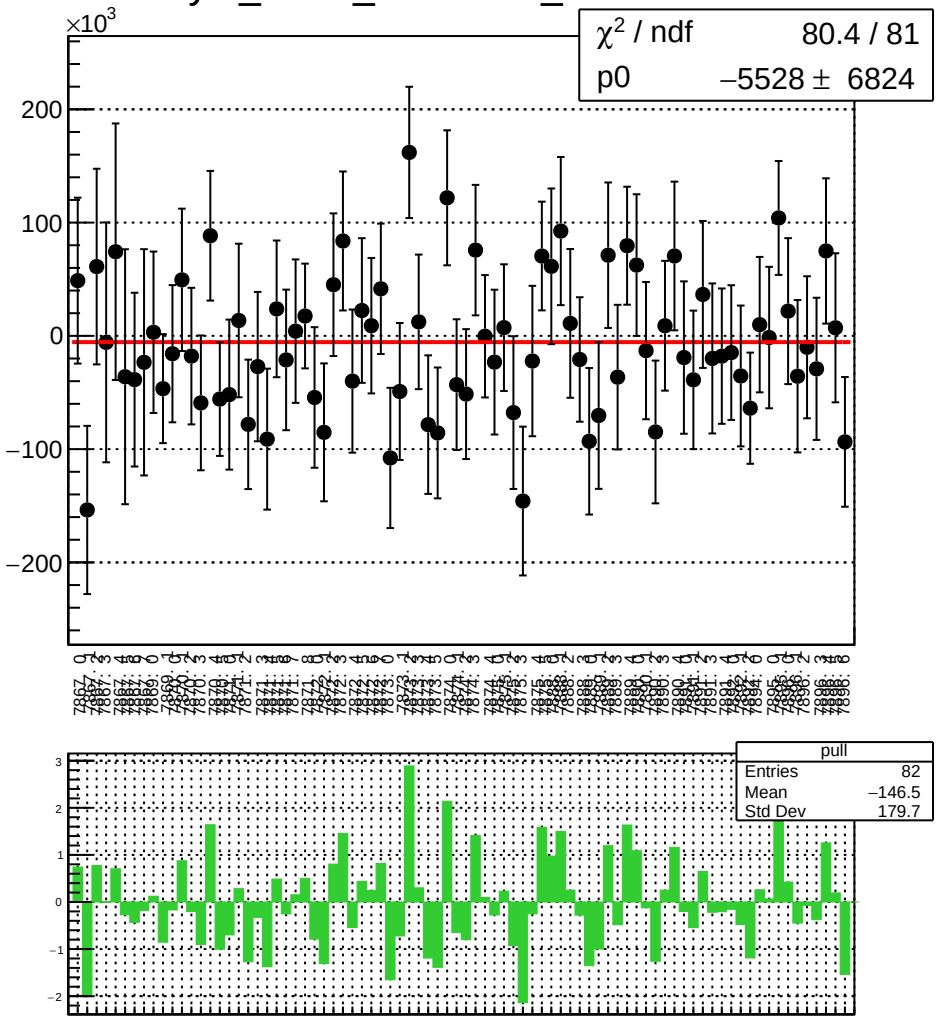

pull1D
Entries 82
Mean −0.0001628
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

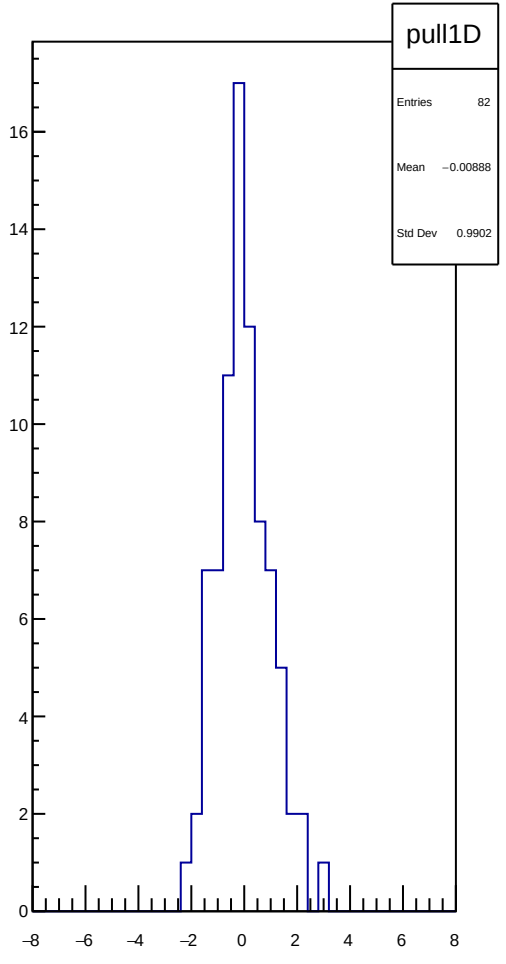

asym_sam1_rms vs run
χ² / ndf 1.279e+04 / 81
p0 383.5 ± 0.3068
500
450
400
350
300

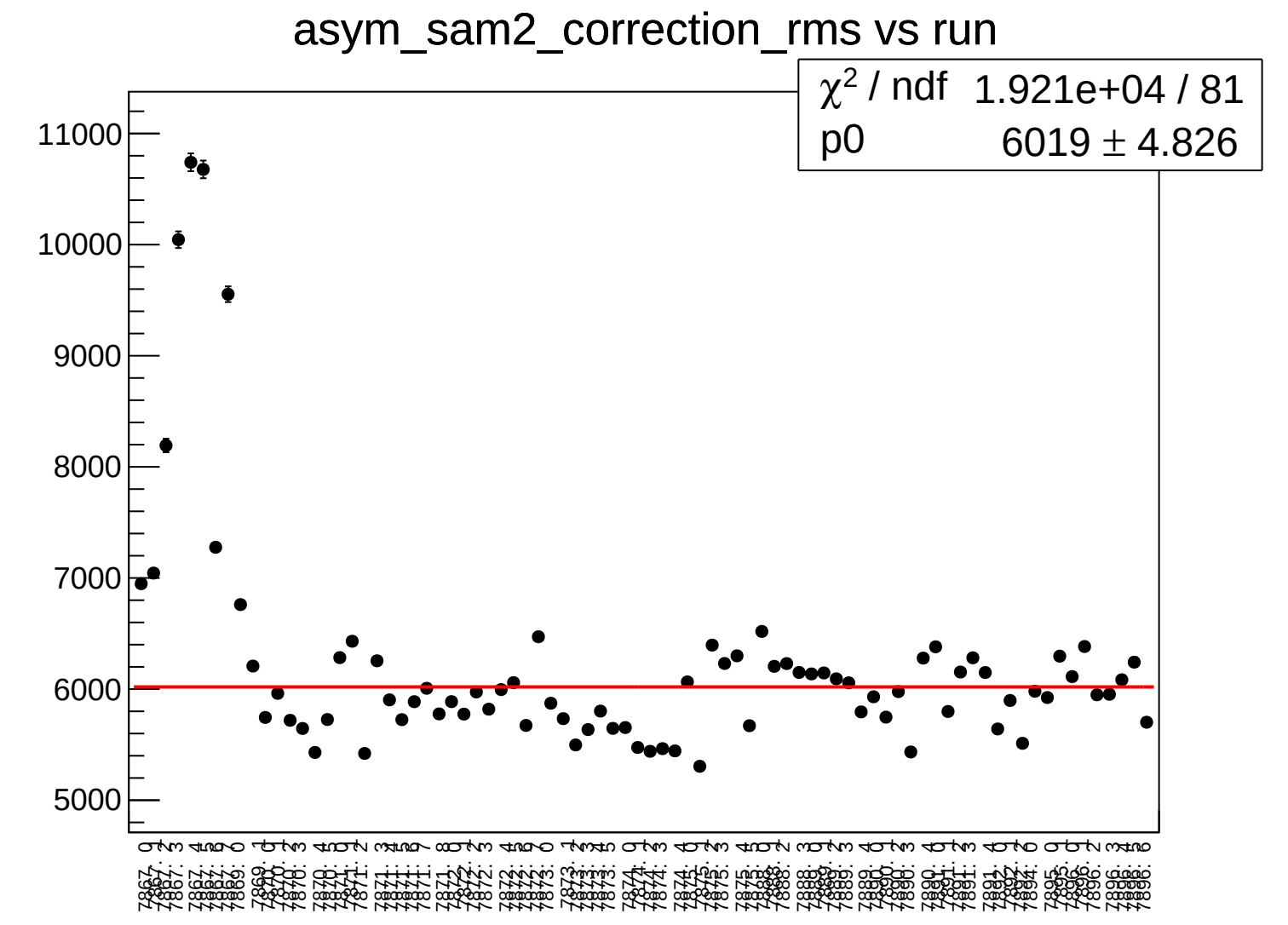

dit_asym_sam2_mean vs run
χ² / ndf 72.83 / 81
p0 282.7 ± 505.1
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 10.83
Std Dev 48.94
2
1
0
−1
−2

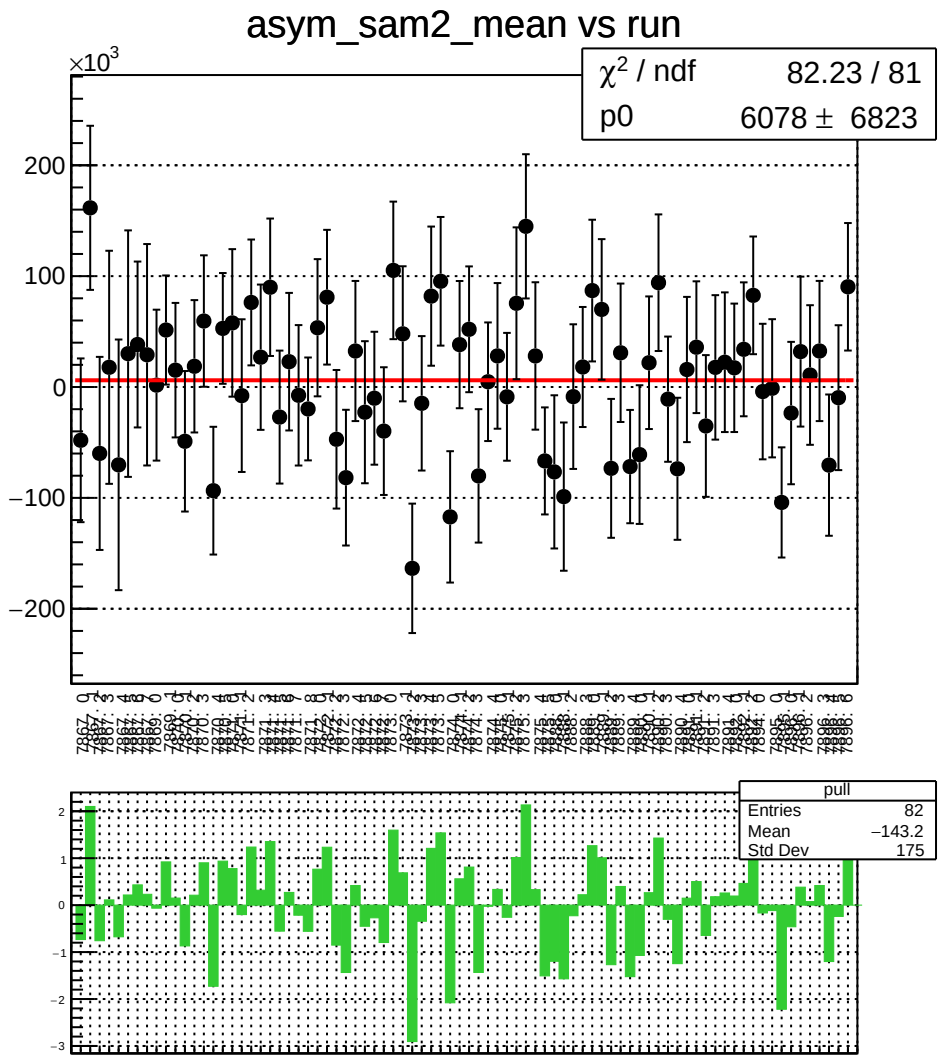

pull1D
Entries 82
Mean 0.02171
Std Dev 0.9422
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

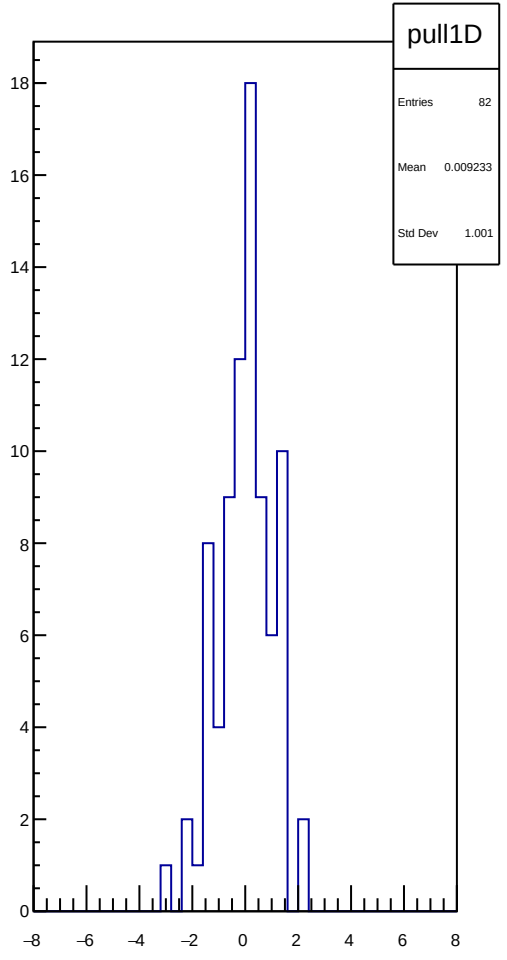

dit_asym_sam2_rms vs run
χ² / ndf 4.894e+04 / 81
p0 441.3 ± 0.3572
1200
1100
1000
900
800
700
600
500
400

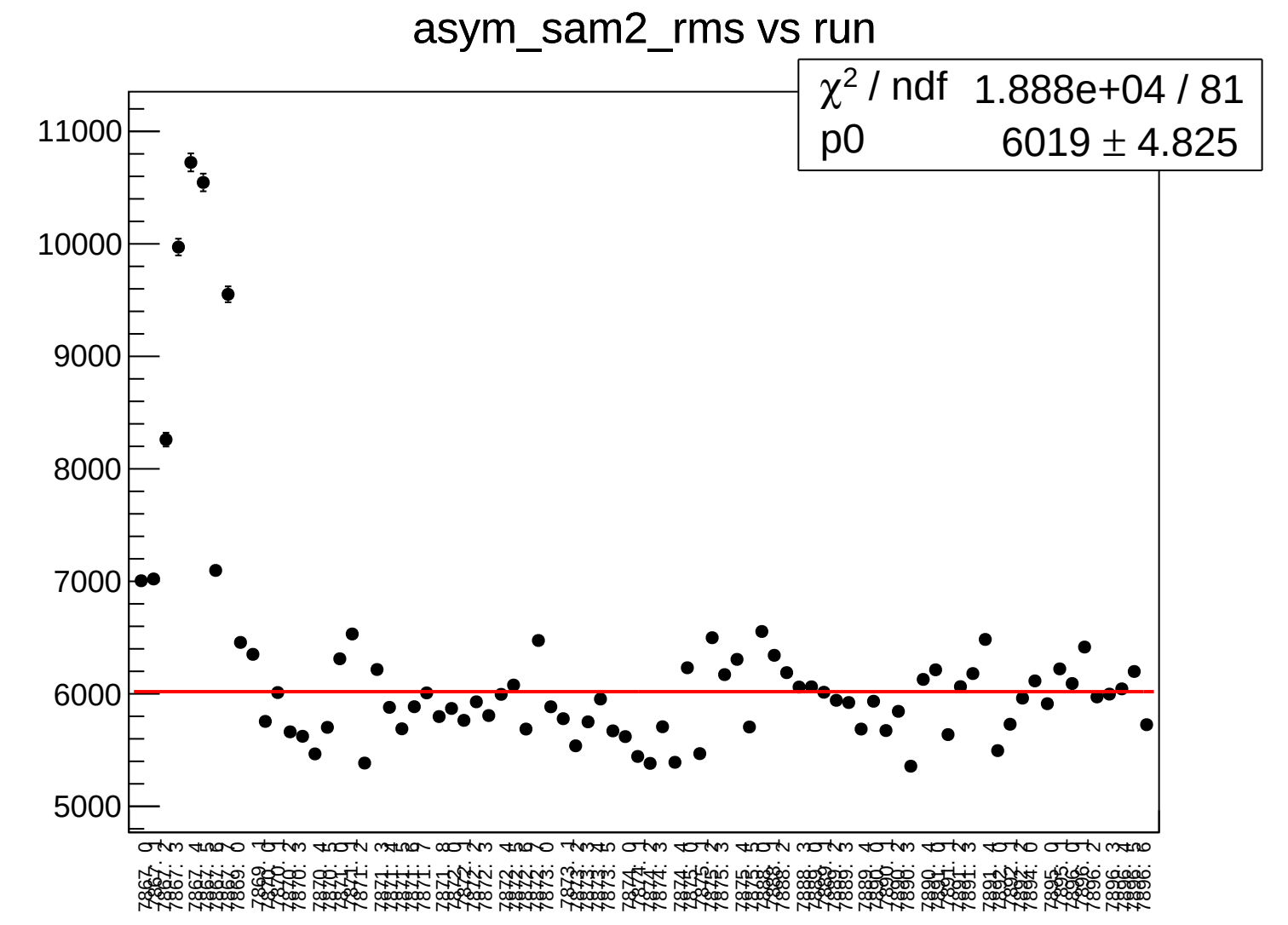

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 80.4 / 81
p0 −5528 ± 6824
200
100
0
−100
−200
pull
Entries 82
Mean −146.5
Std Dev 179.7
3
2
1
0
−1
−2

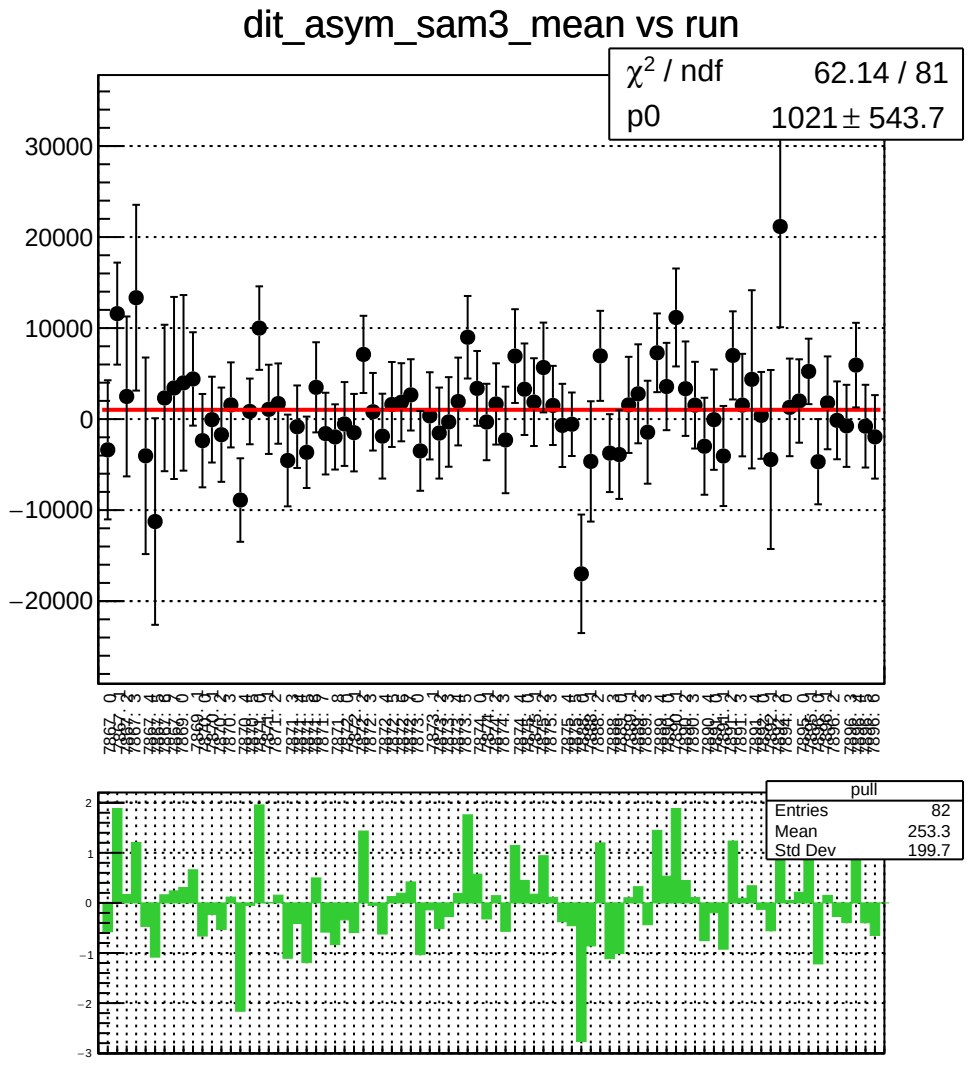

pull1D
Entries 82
Mean −0.00888
Std Dev 0.9902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

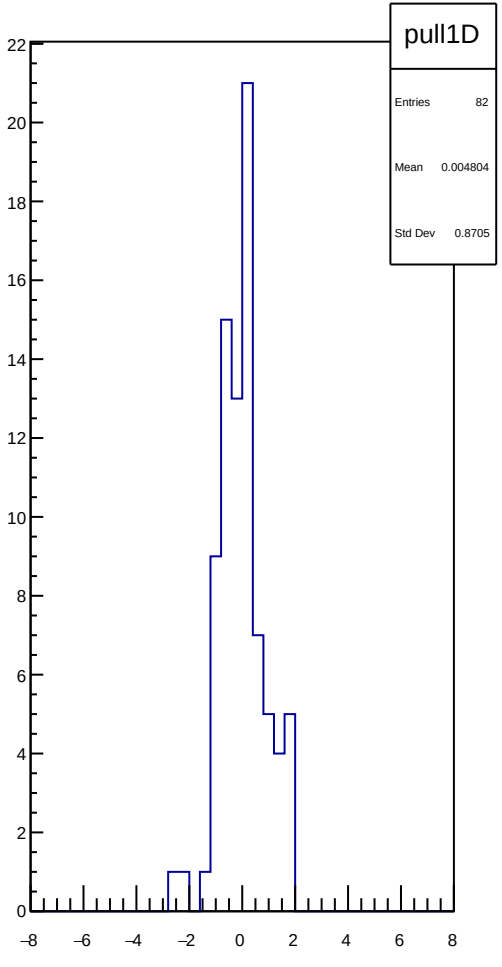

asym_sam2_correction_rms vs run
χ^2 / ndf 1.921e+04 / 81
p0 6019 ± 4.826
11000
10000
9000
8000
7000
6000
5000

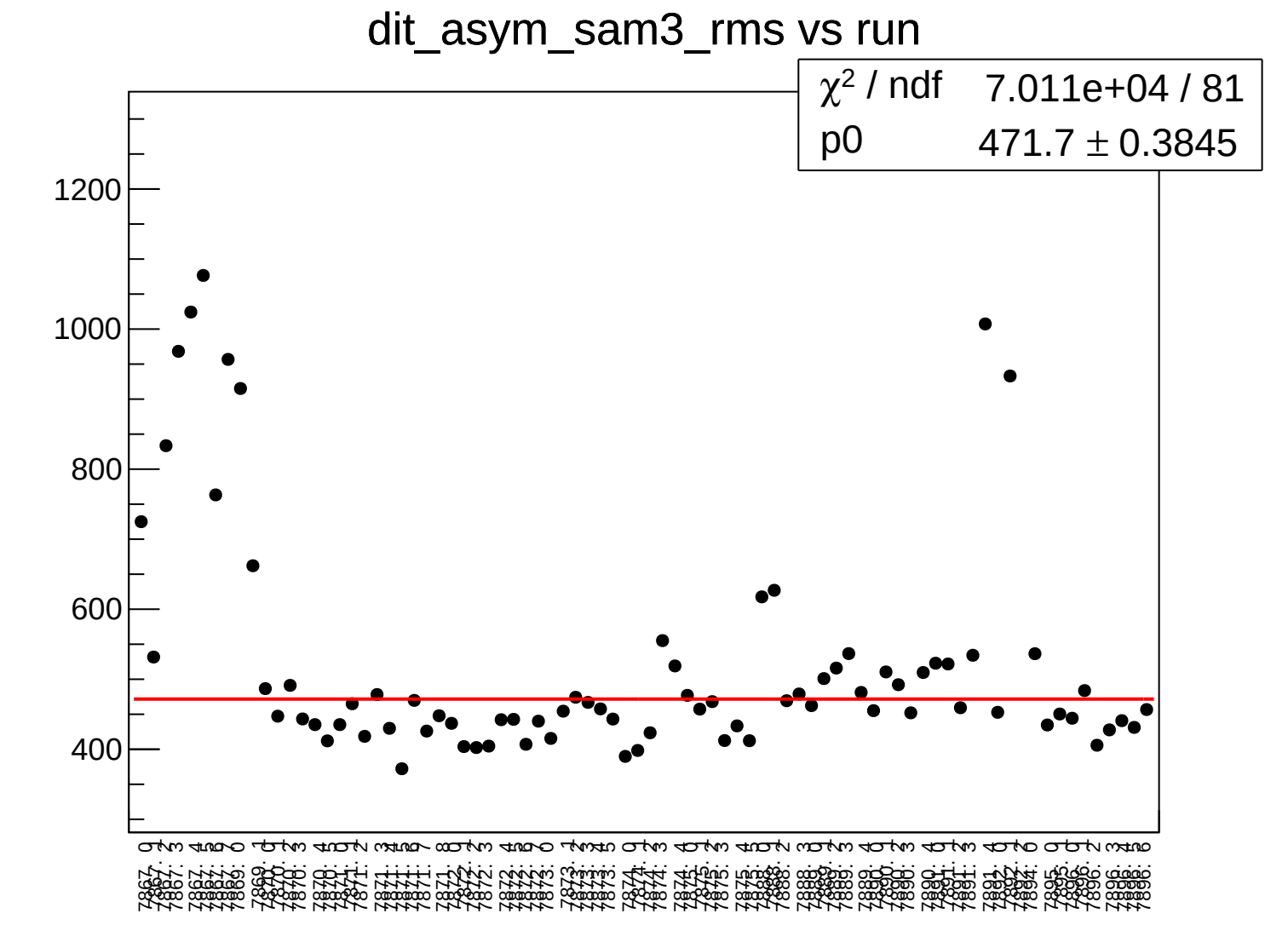

asym_sam2_mean vs run
×10^3
χ^2 / ndf 82.23 / 81
p0 6078 ± 6823
200
100
0
−100
−200
pull
Entries 82
Mean −143.2
Std Dev 175
2
1
0
−1
−2
−3

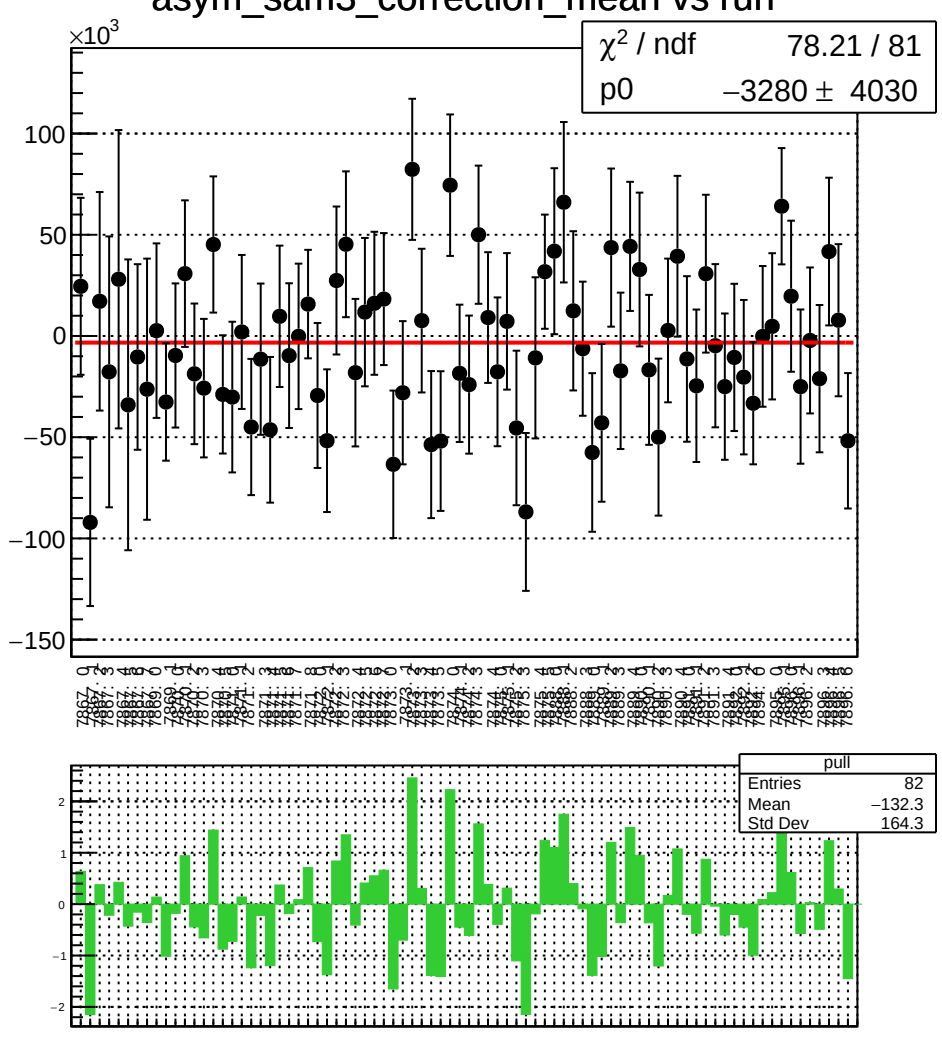

pull1D
Entries 82
Mean 0.009233
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

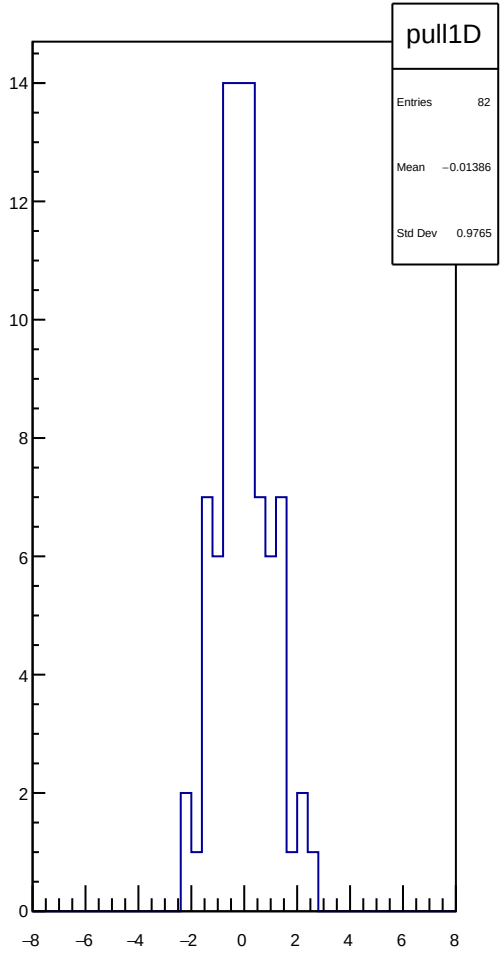

asym_sam2_rms vs run
χ² / ndf 1.888e+04 / 81
p0 6019 ± 4.825
11000
10000
9000
8000
7000
6000
5000

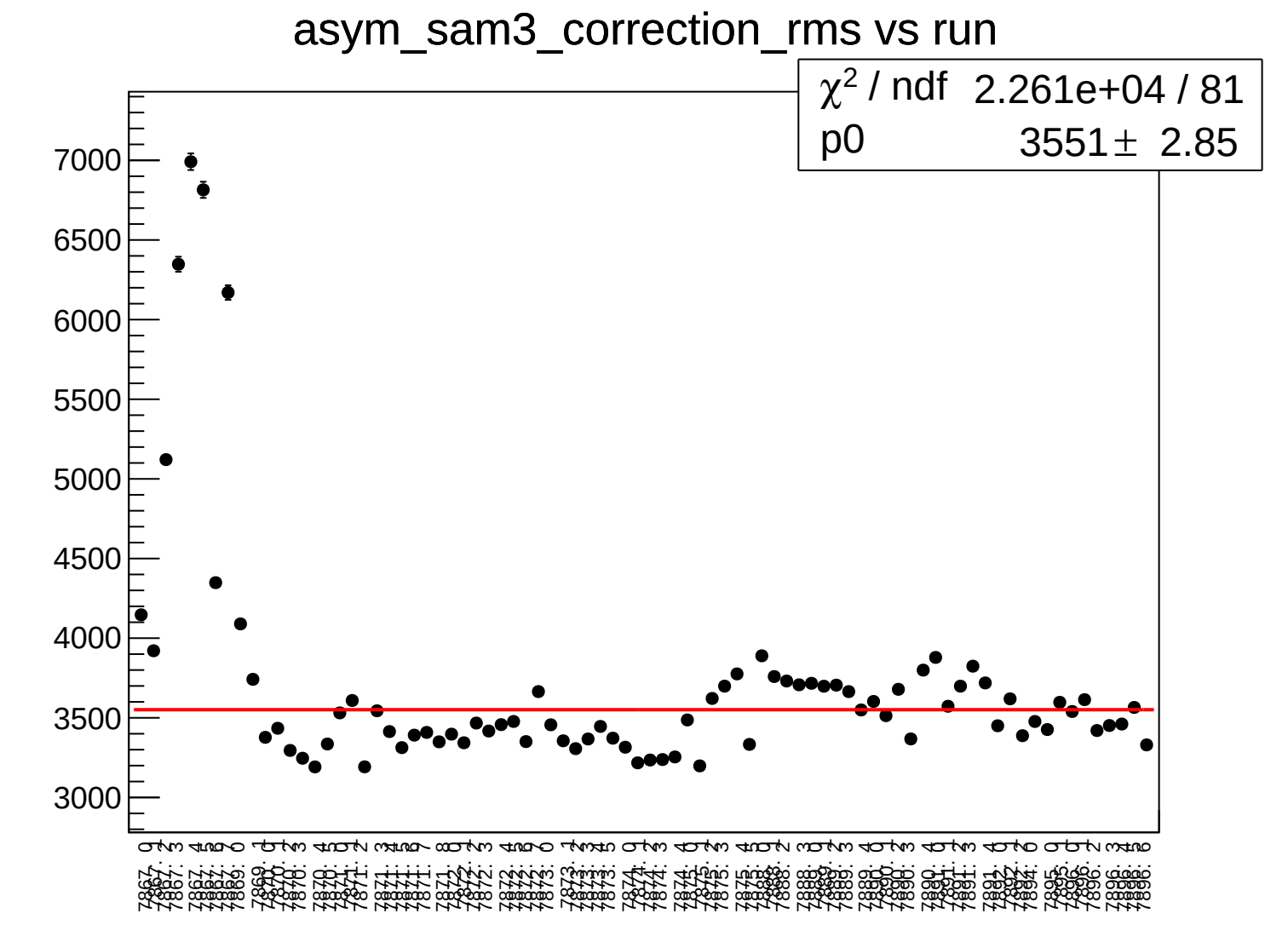

dit_asym_sam3_mean vs run
χ² / ndf 62.14 / 81
p0 1021 ± 543.7
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 253.3
Std Dev 199.7
2
1
0
−1
−2
−3

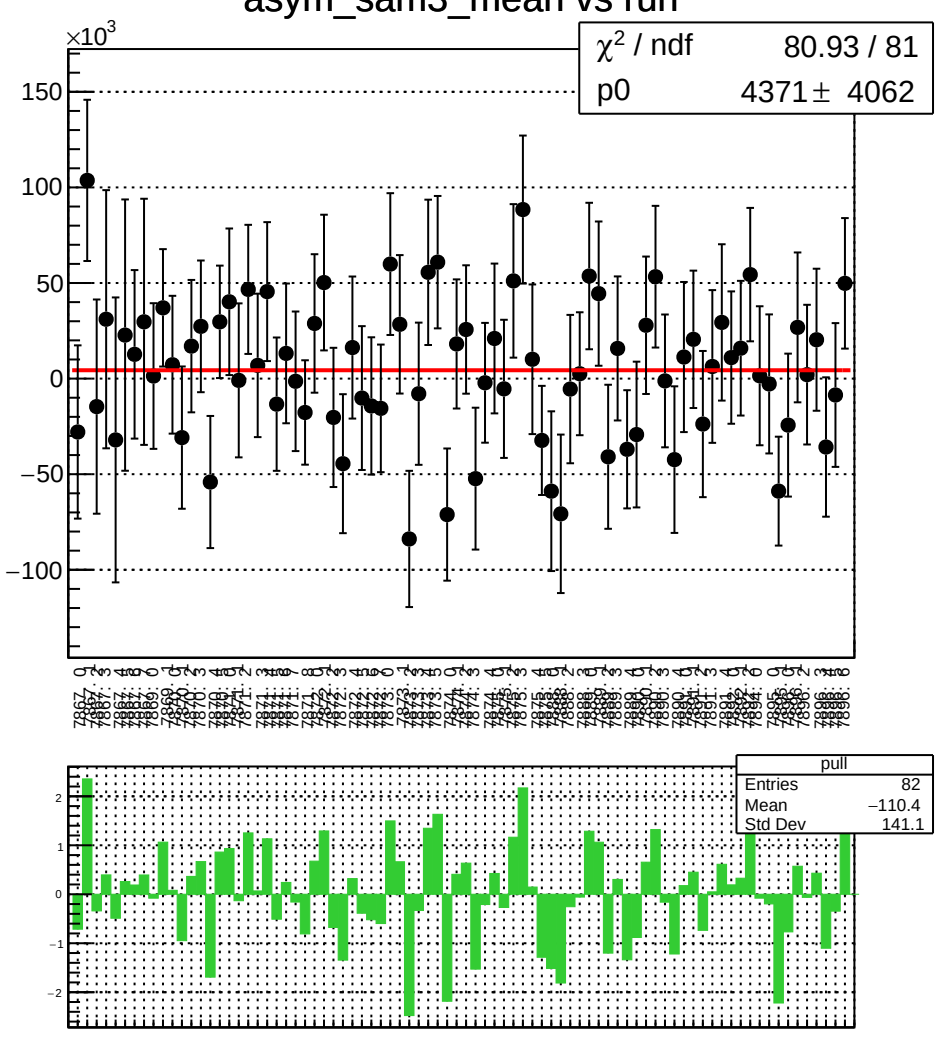

pull1D
Entries 82
Mean 0.004804
Std Dev 0.8705
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

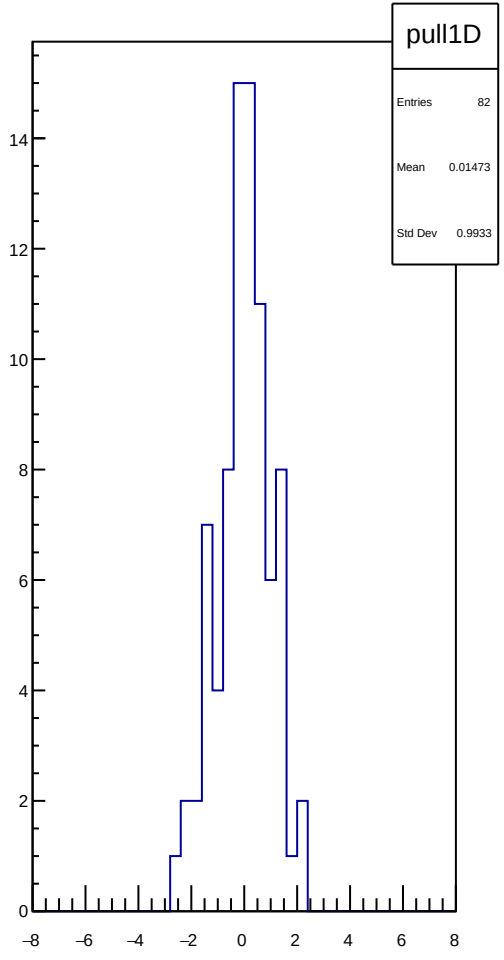

dit_asym_sam3_rms vs run
χ² / ndf 7.011e+04 / 81
p0 471.7 ± 0.3845
1200
1000
800
600
400

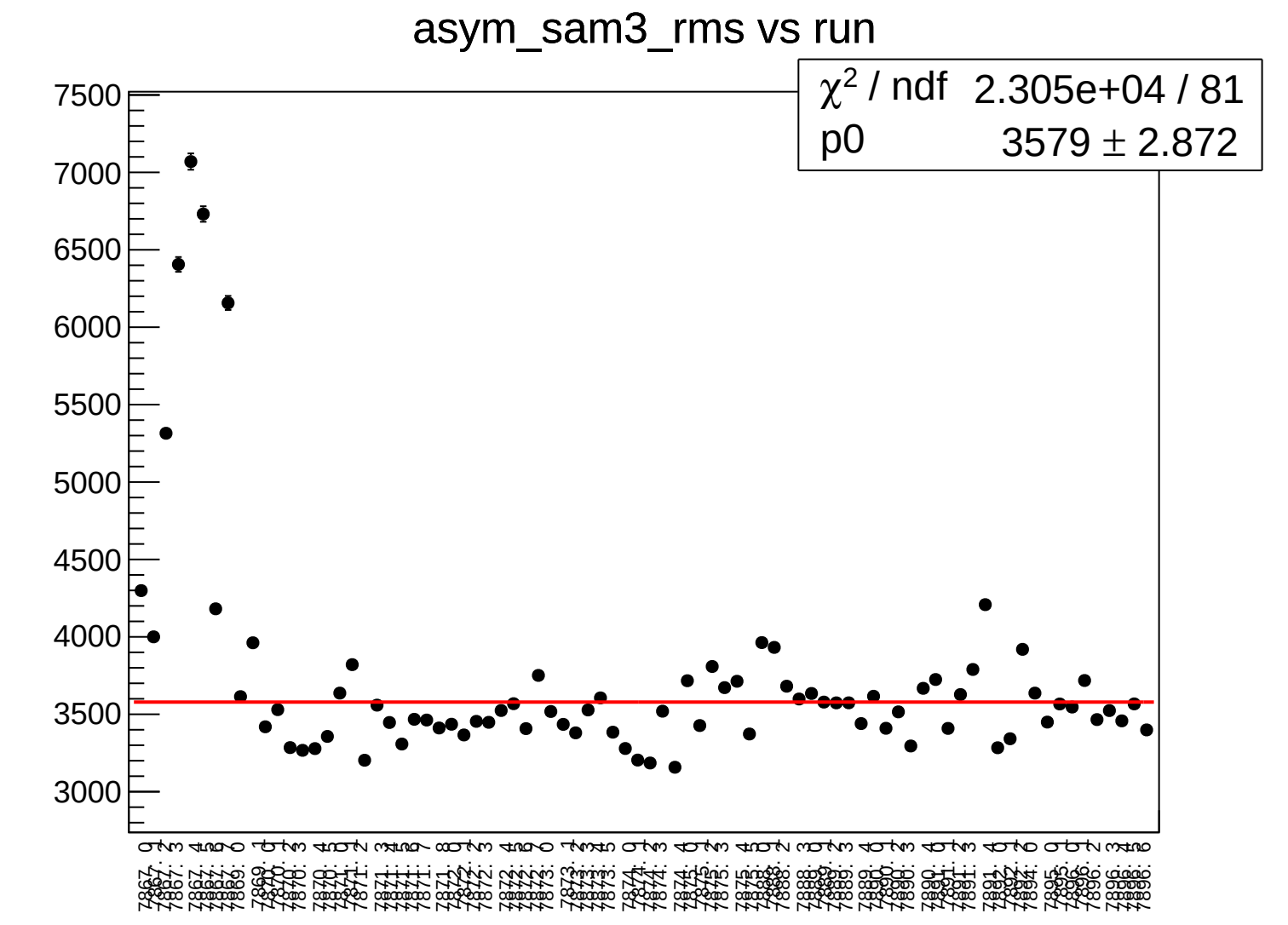

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 78.21 / 81
p0 −3280 ± 4030
100
50
0
−50
−100
−150
pull
Entries 82
Mean −132.3
Std Dev 164.3
2
1
0
−1
−2

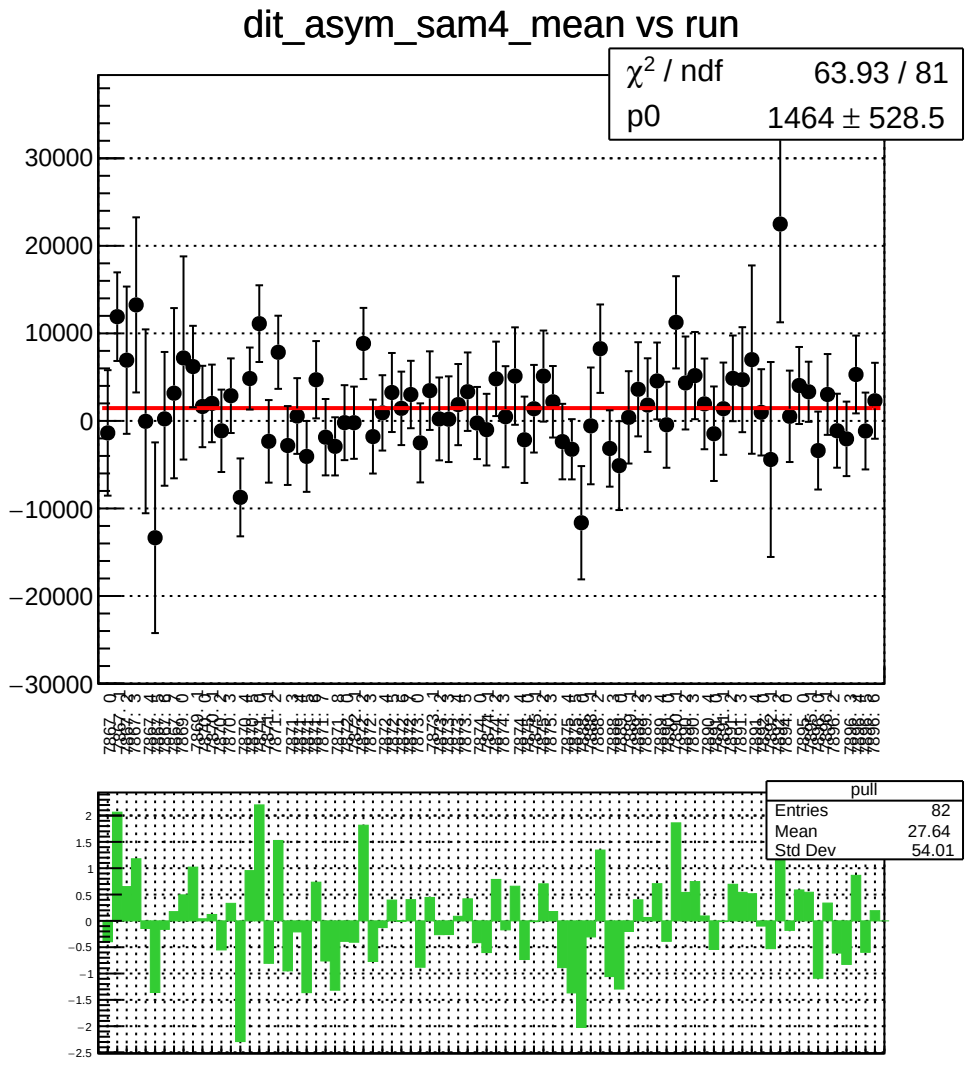

pull1D
Entries 82
Mean −0.01386
Std Dev 0.9765
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

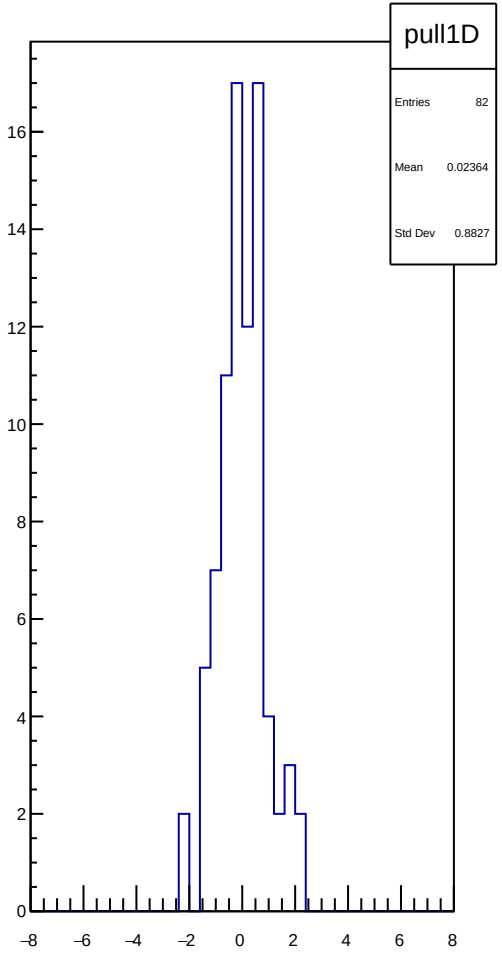

asym_sam3_correction_rms vs run
χ² / ndf 2.261e+04 / 81
p0 3551 ± 2.85
7000
6500
6000
5500
5000
4500
4000
3500
3000

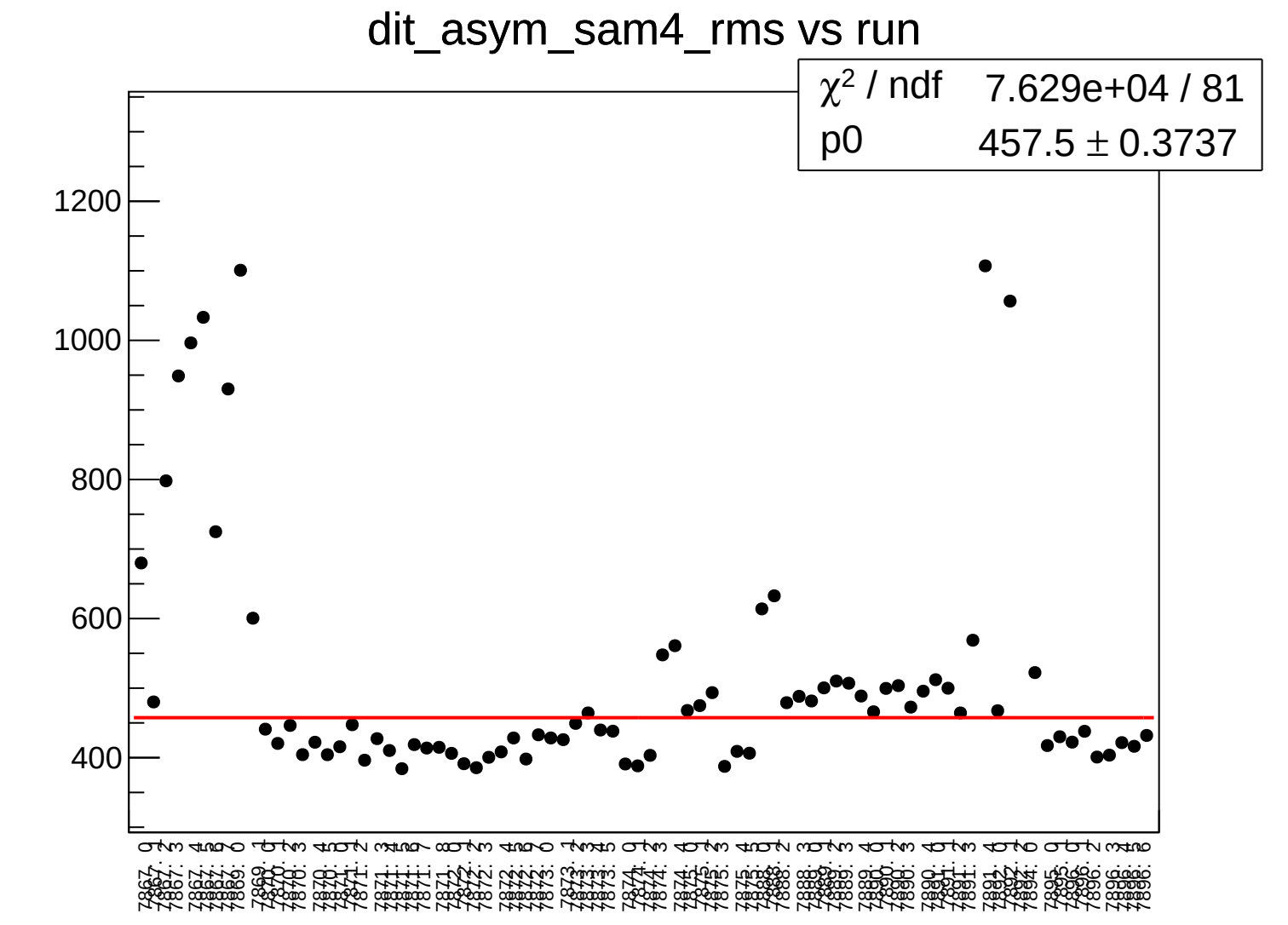

asym_sam3_mean vs run
×10^3
χ^2 / ndf 80.93 / 81
p0 4371 ± 4062
150
100
50
0
−50
−100
pull
Entries 82
Mean −110.4
Std Dev 141.1
2
1
0
−1
−2

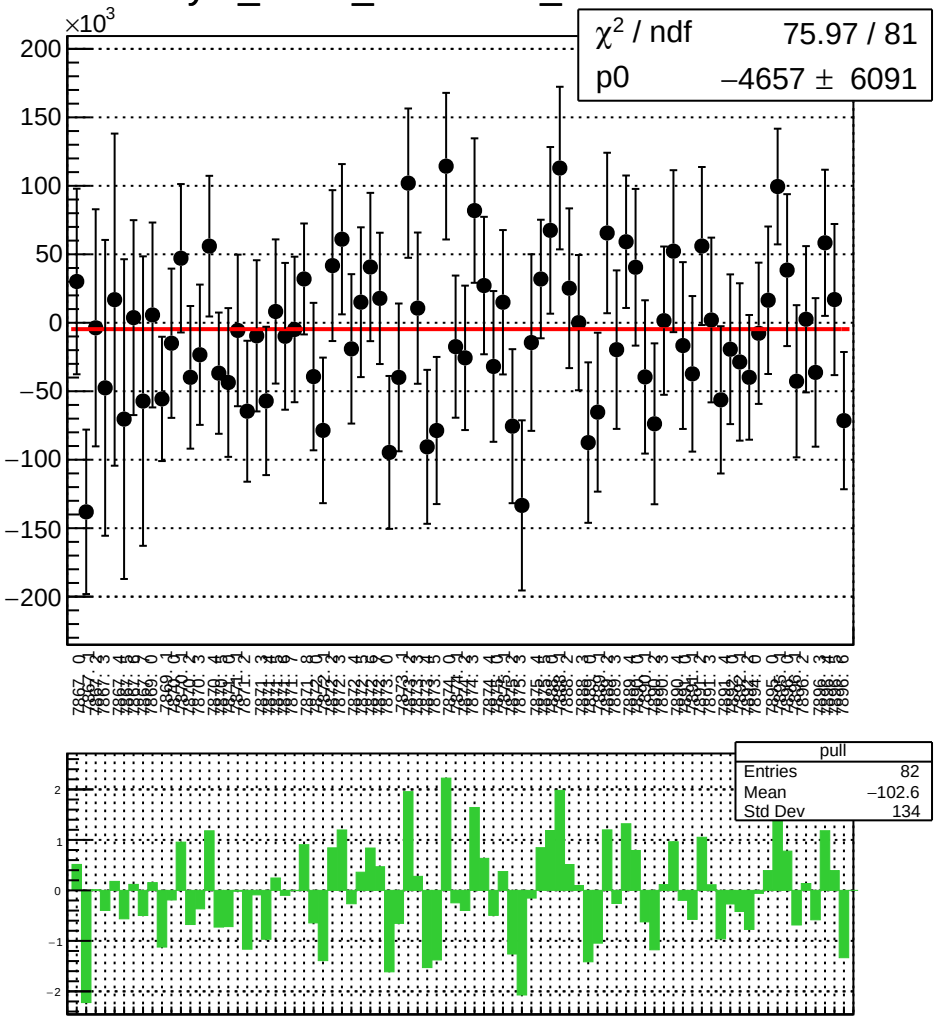

pull1D
Entries 82
Mean 0.01473
Std Dev 0.9933
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

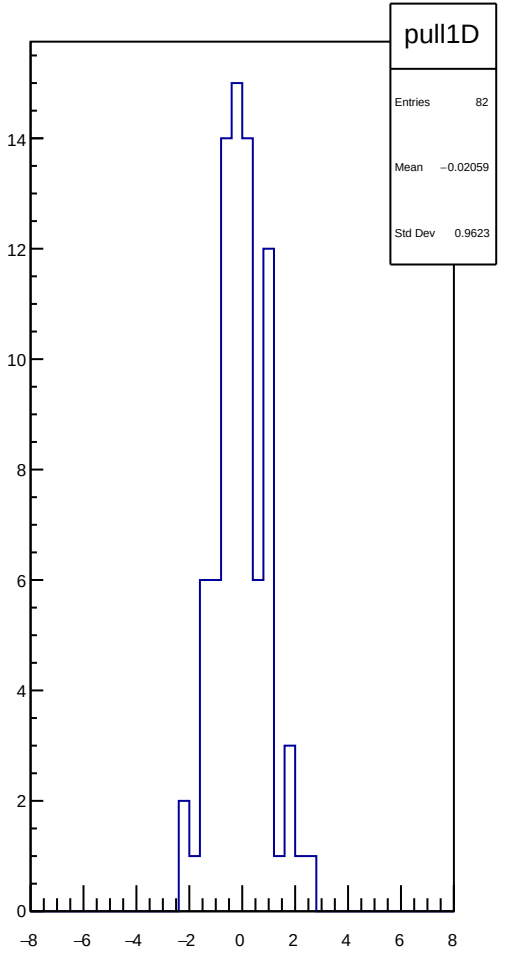

asym_sam3_rms vs run
χ^2 / ndf 2.305e+04 / 81
p0 3579 ± 2.872
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000

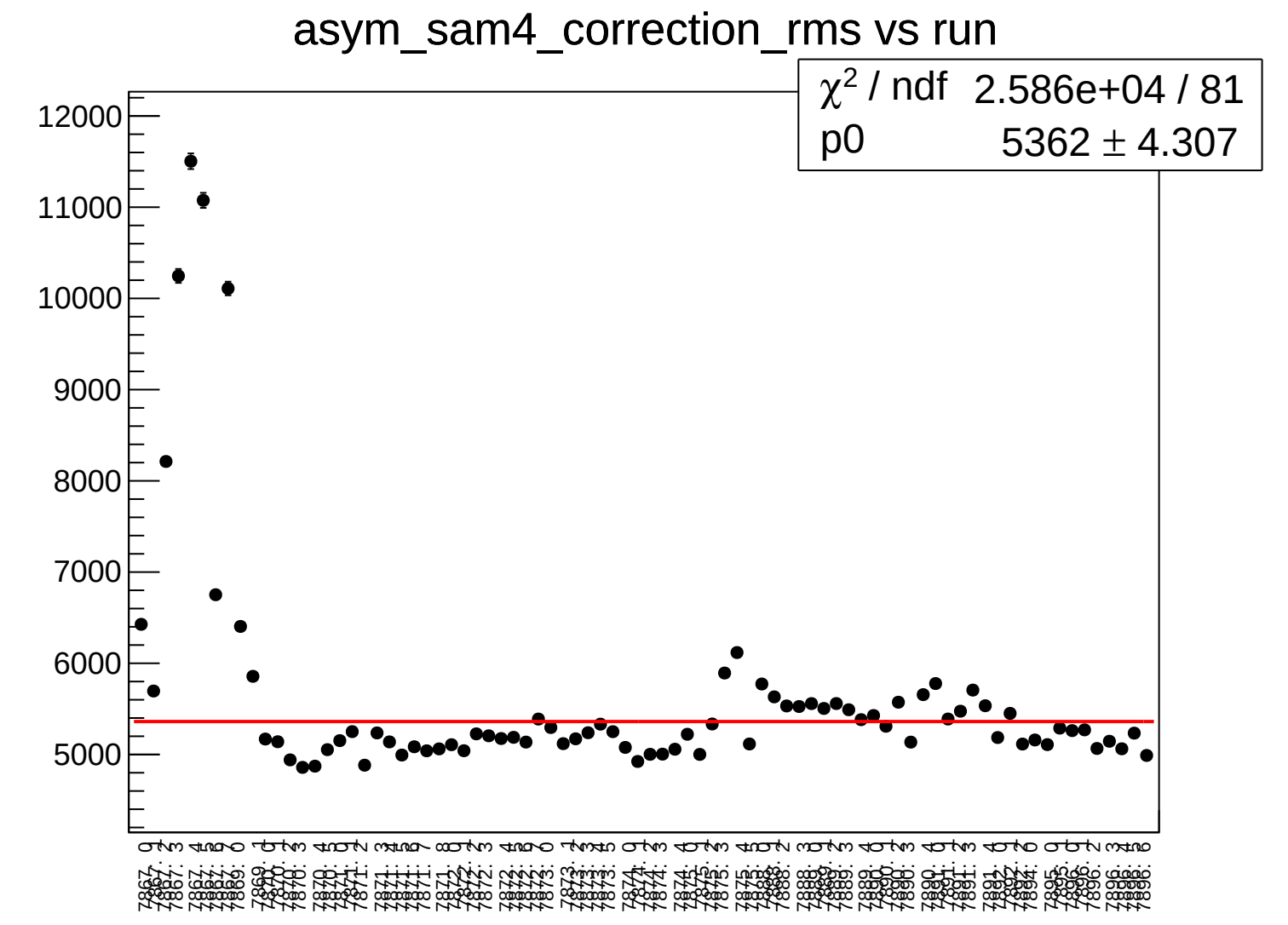

dit_asym_sam4_mean vs run
χ² / ndf 63.93 / 81
p0 1464 ± 528.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 27.64
Std Dev 54.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

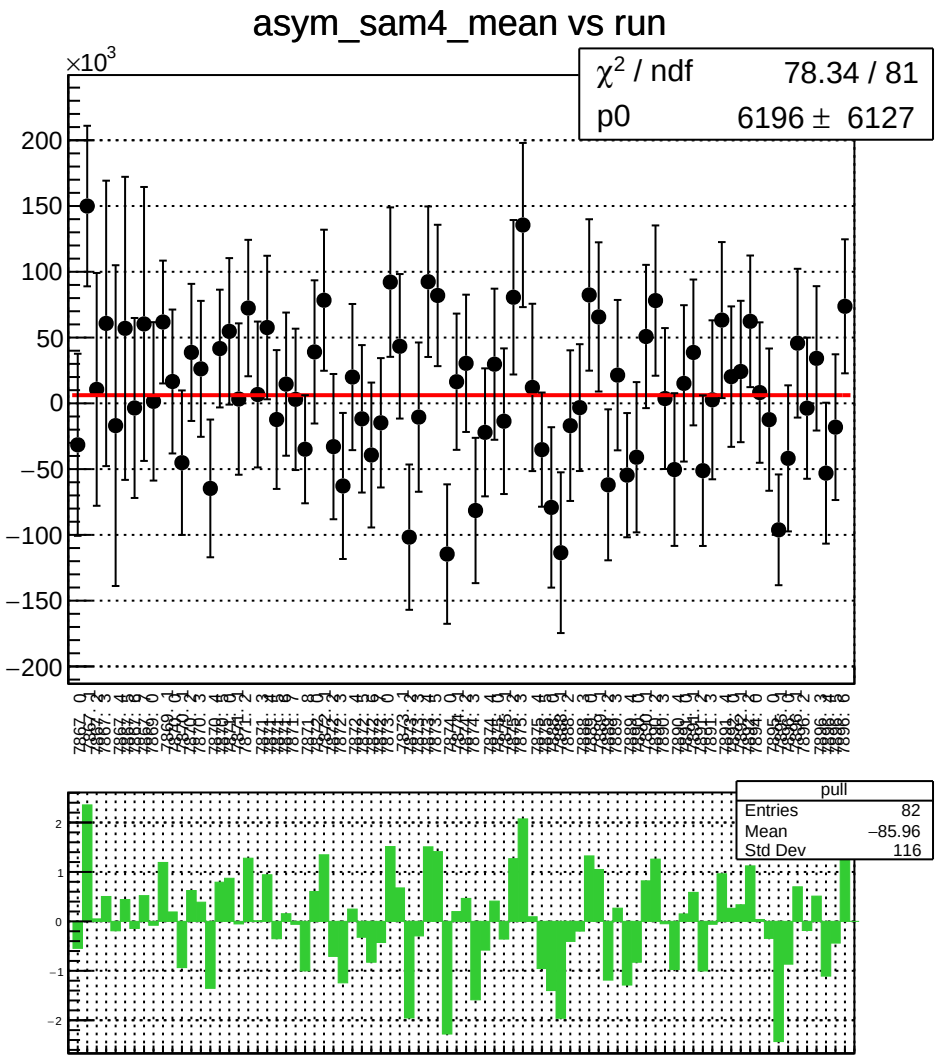

pull1D
Entries 82
Mean 0.02364
Std Dev 0.8827
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

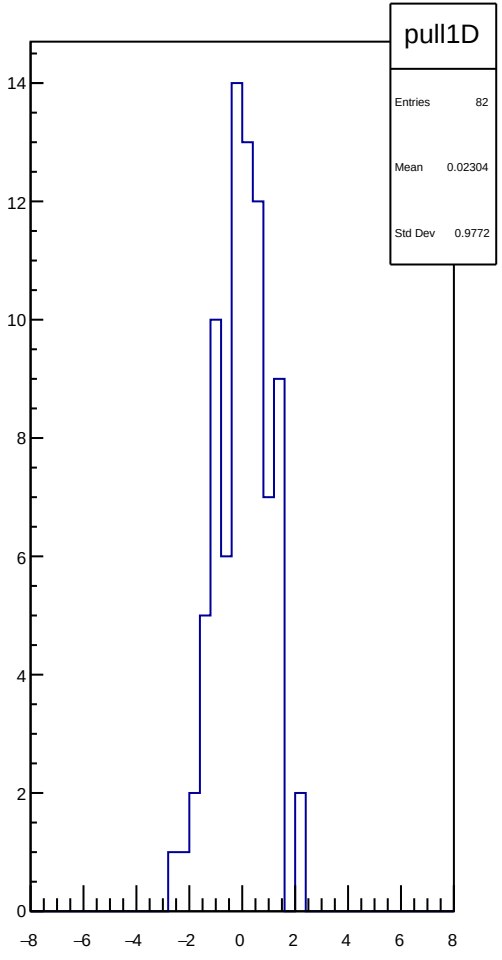

dit_asym_sam4_rms vs run
χ² / ndf 7.629e+04 / 81
p0 457.5 ± 0.3737
1200
1000
800
600
400

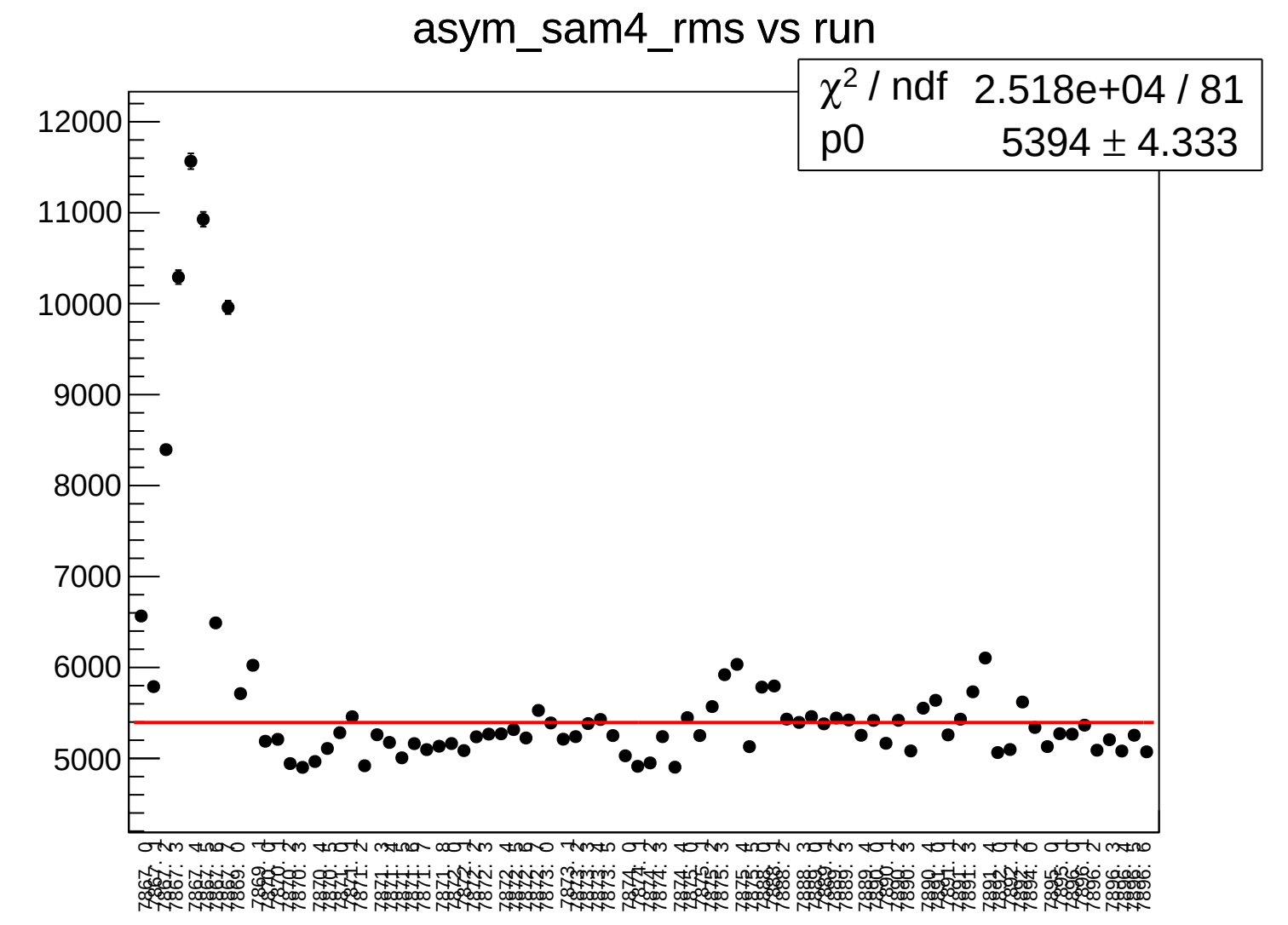

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 75.97 / 81
p0 −4657 ± 6091
pull
Entries 82
Mean −102.6
Std Dev 134

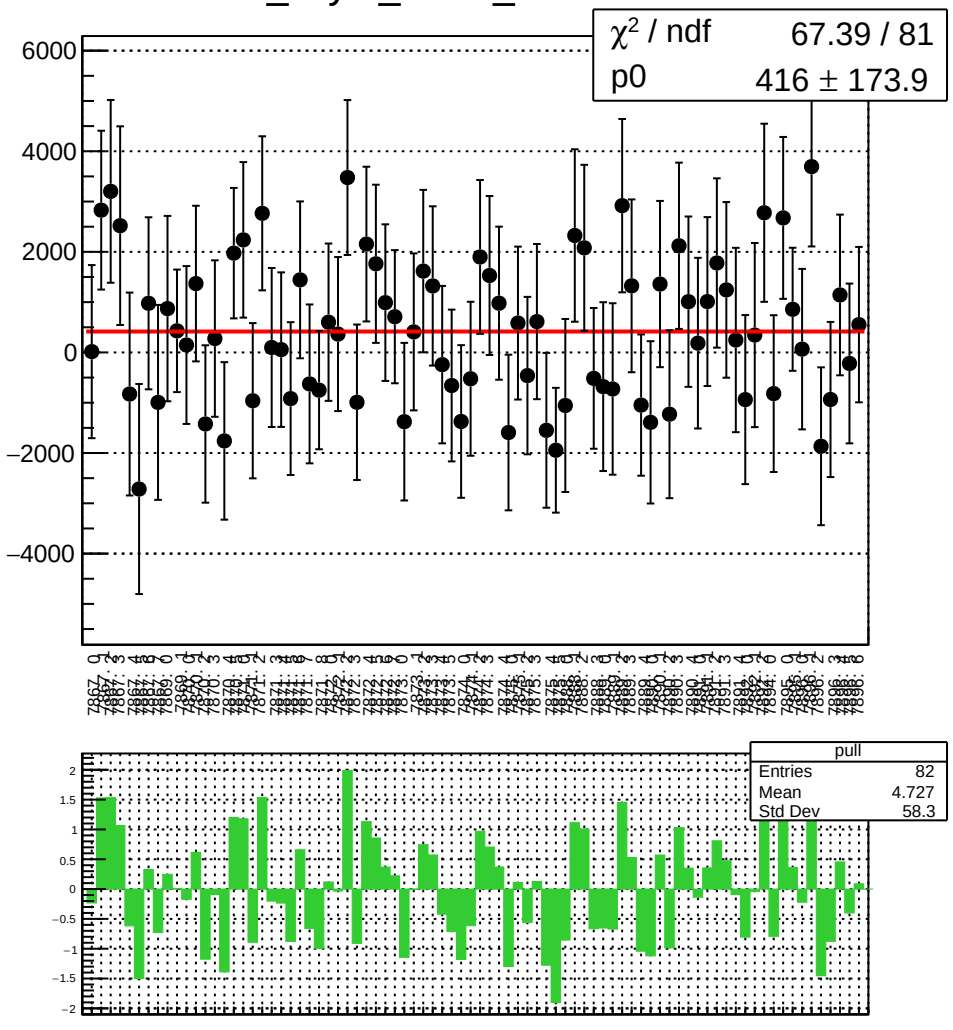

pull1D
Entries 82
Mean −0.02059
Std Dev 0.9623

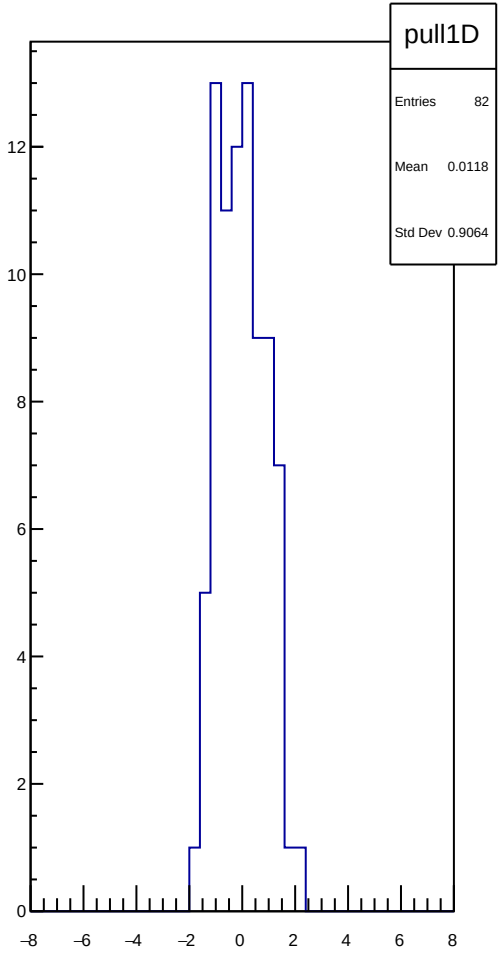

asym_sam4_correction_rms vs run
χ^2 / ndf 2.586e+04 / 81
p0 5362 ± 4.307
12000
11000
10000
9000
8000
7000
6000
5000

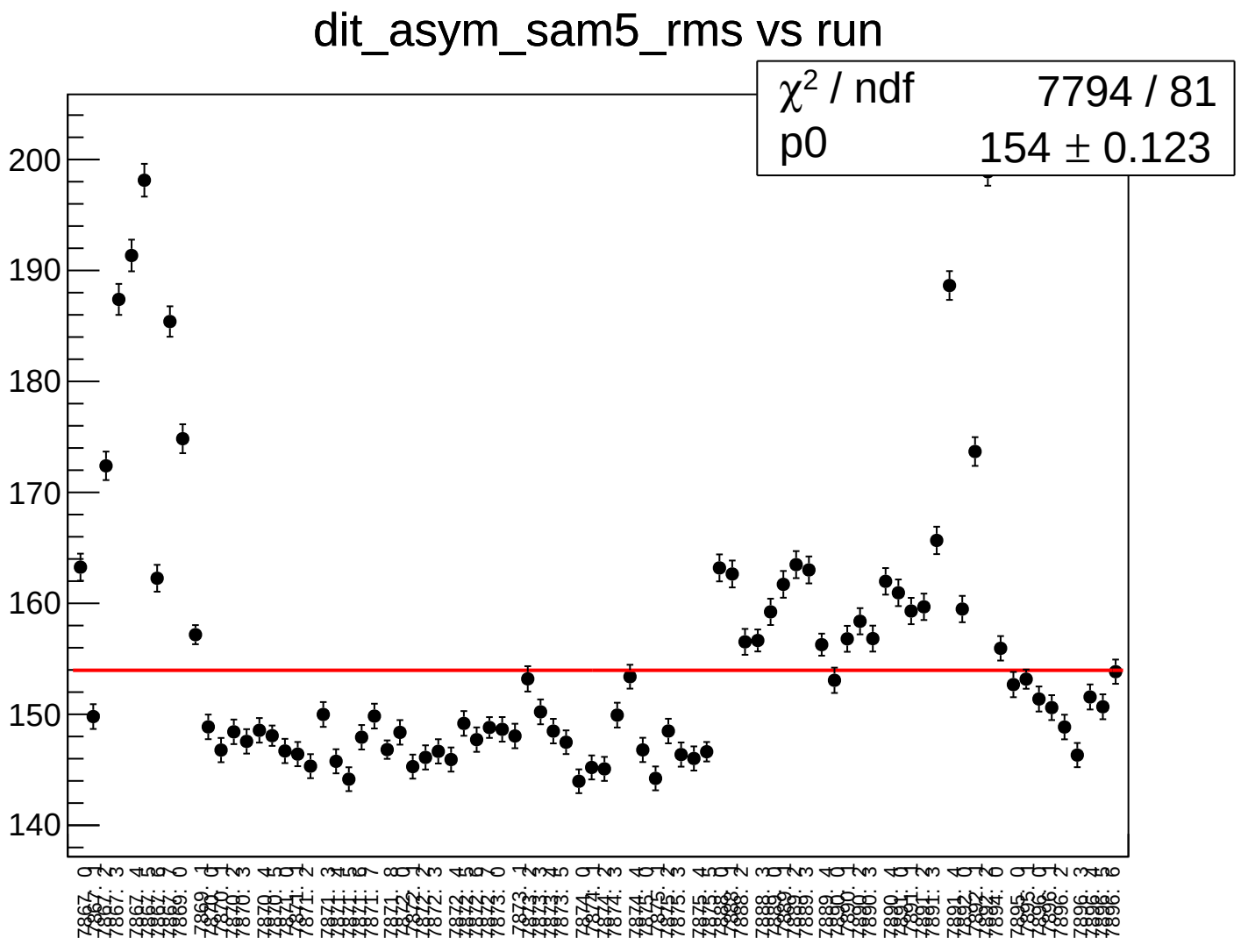

asym_sam4_mean vs run
×10^3
χ^2 / ndf 78.34 / 81
p0 6196 ± 6127
pull
Entries 82
Mean −85.96
Std Dev 116

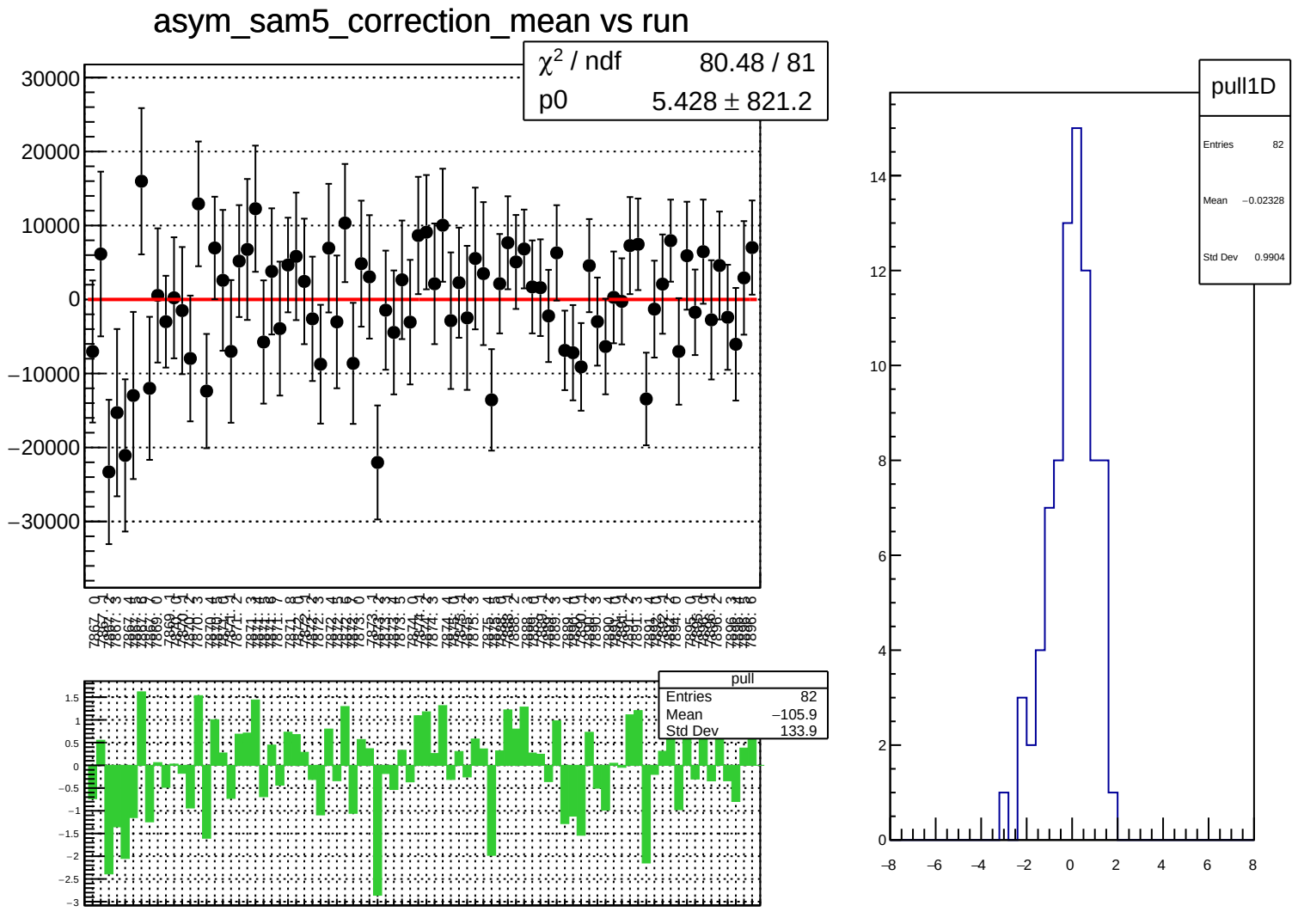

pull1D
Entries 82
Mean 0.02304
Std Dev 0.9772

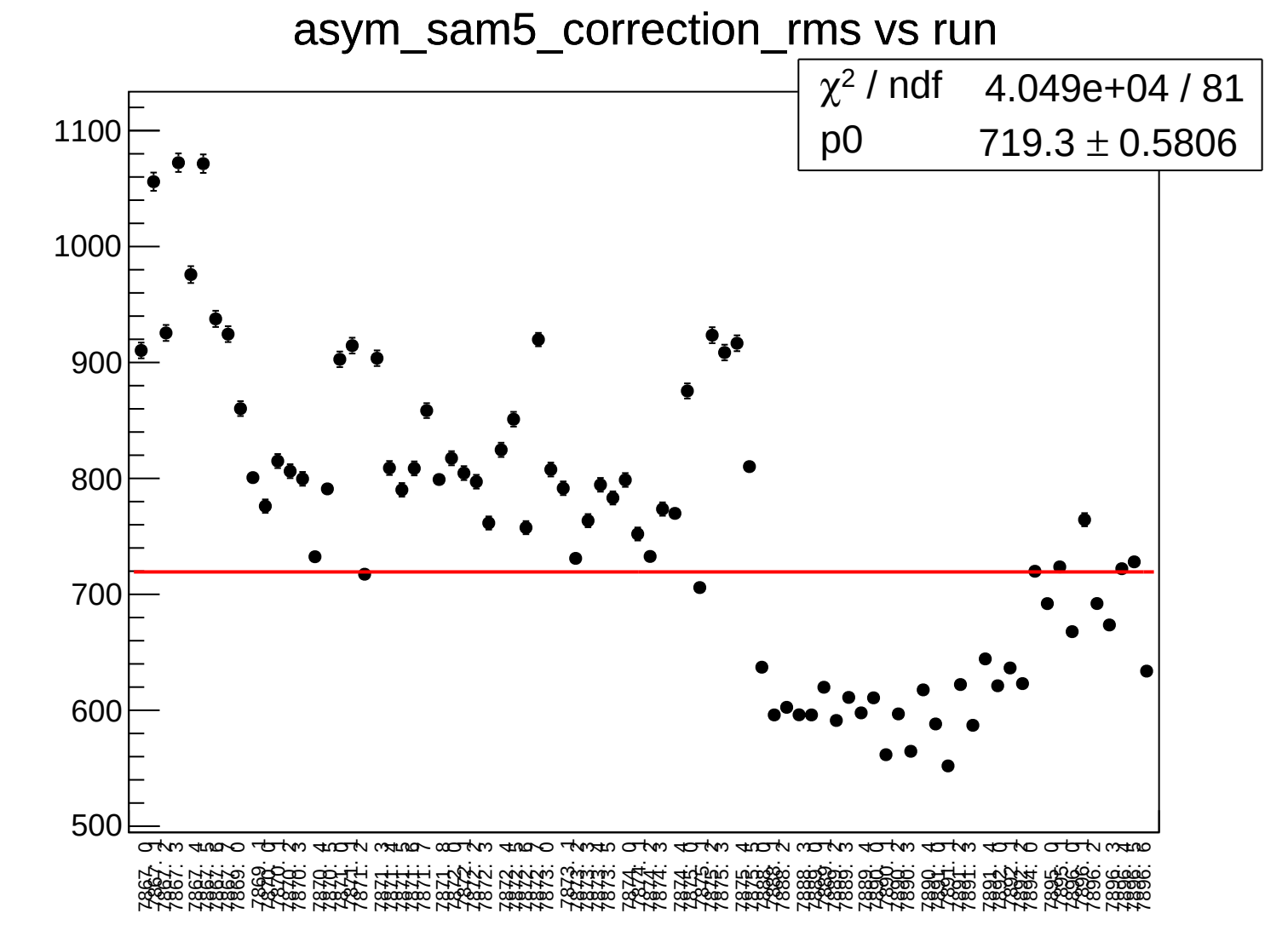

asym_sam4_rms vs run
χ^2 / ndf 2.518e+04 / 81
p0 5394 ± 4.333
12000
11000
10000
9000
8000
7000
6000
5000

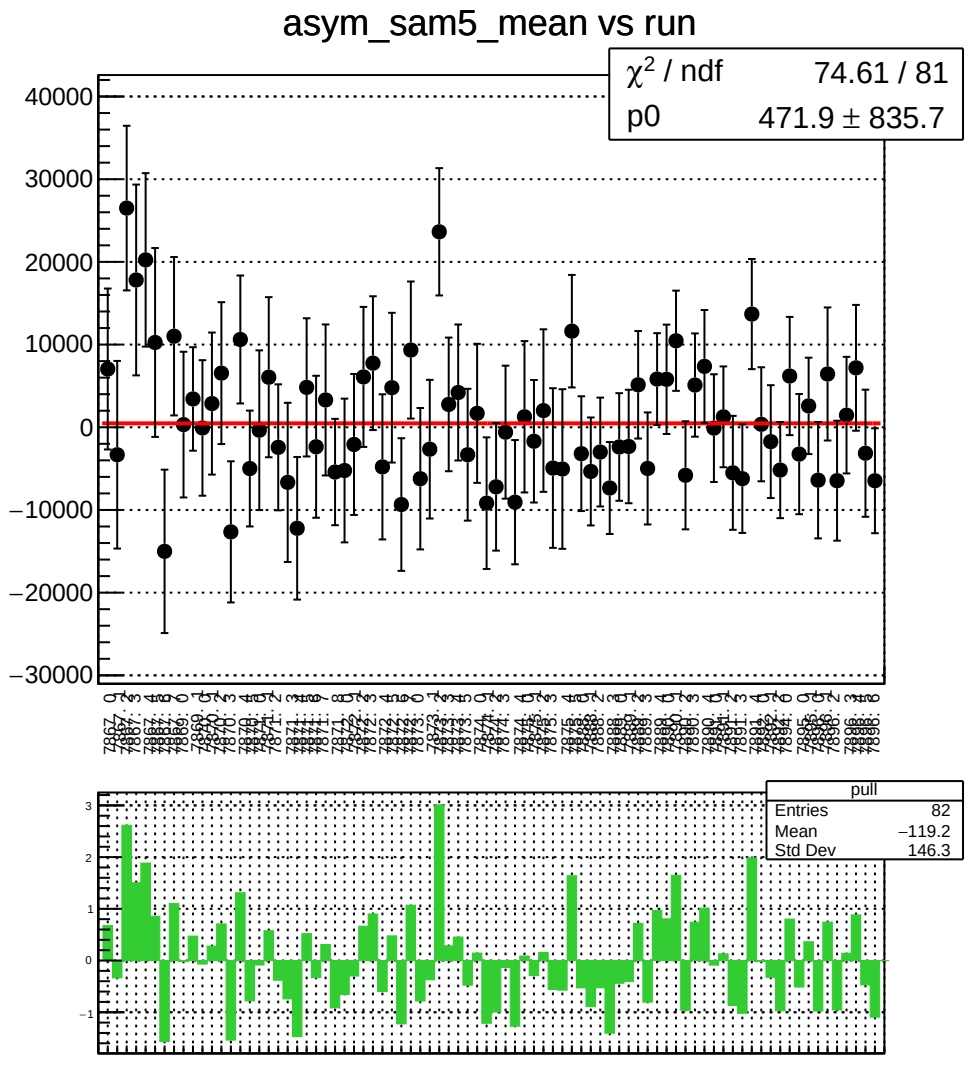

dit_asym_sam5_mean vs run
χ² / ndf 67.39 / 81
p0 416 ± 173.9
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean 4.727
Std Dev 58.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

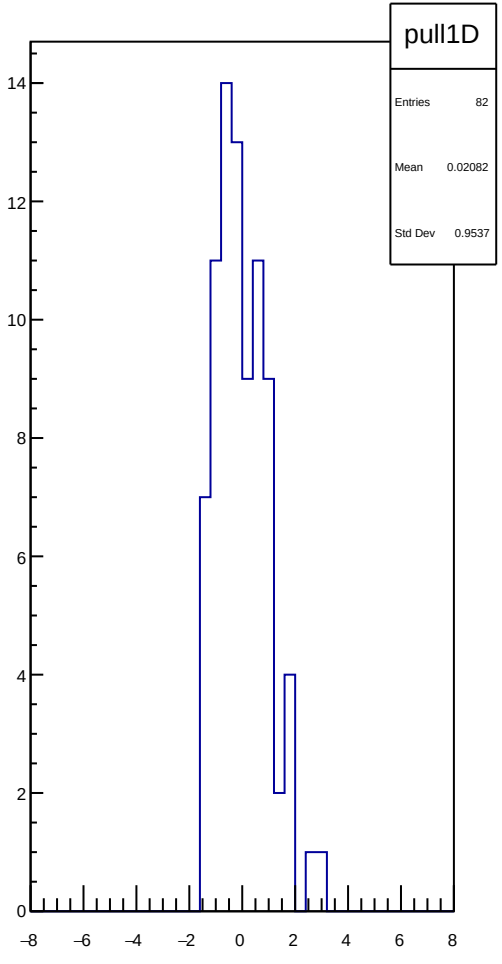

pull1D
Entries 82
Mean 0.0118
Std Dev 0.9064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

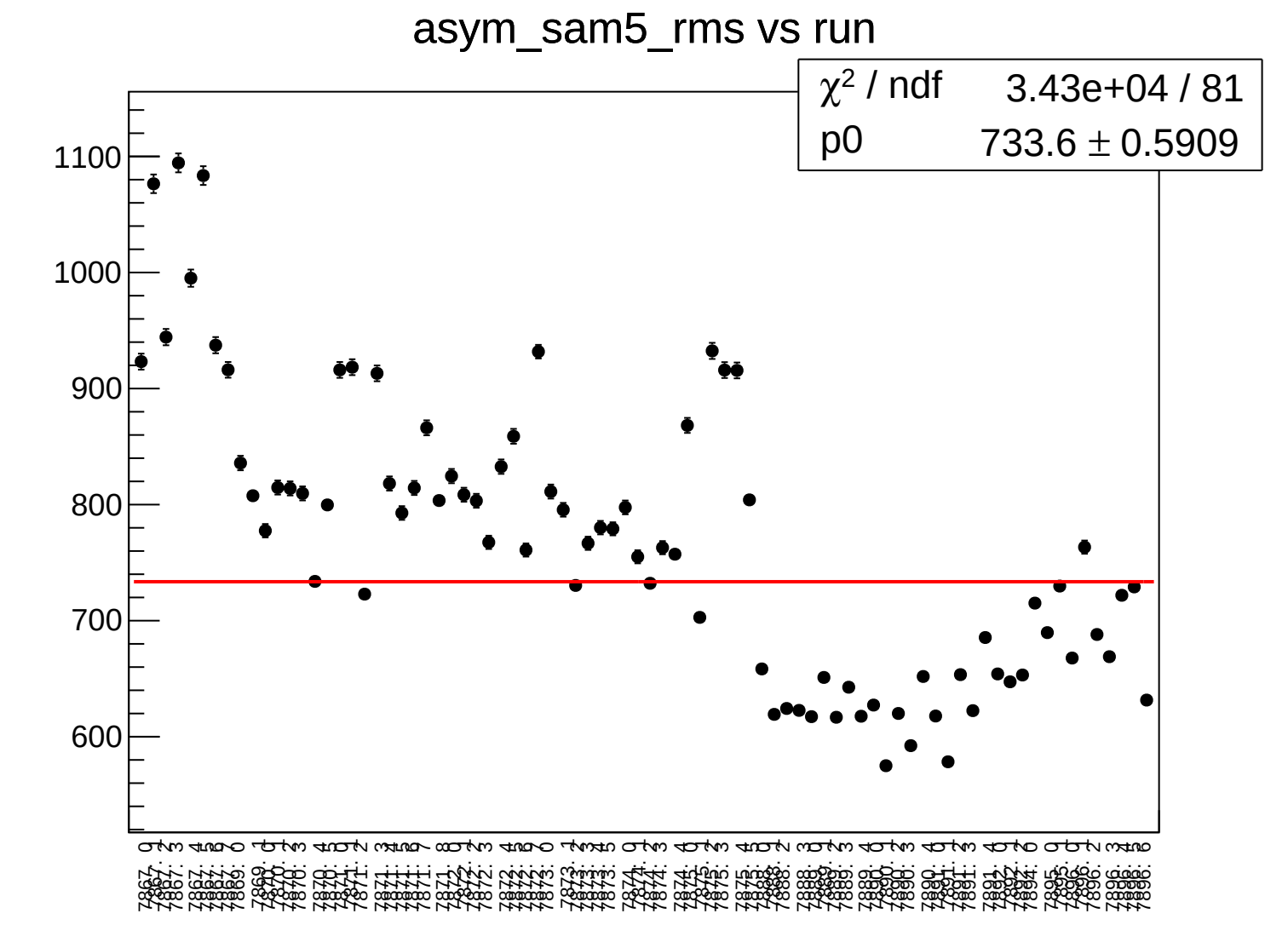

dit_asym_sam5_rms vs run
χ² / ndf 7794 / 81
p0 154 ± 0.123
200
190
180
170
160
150
140

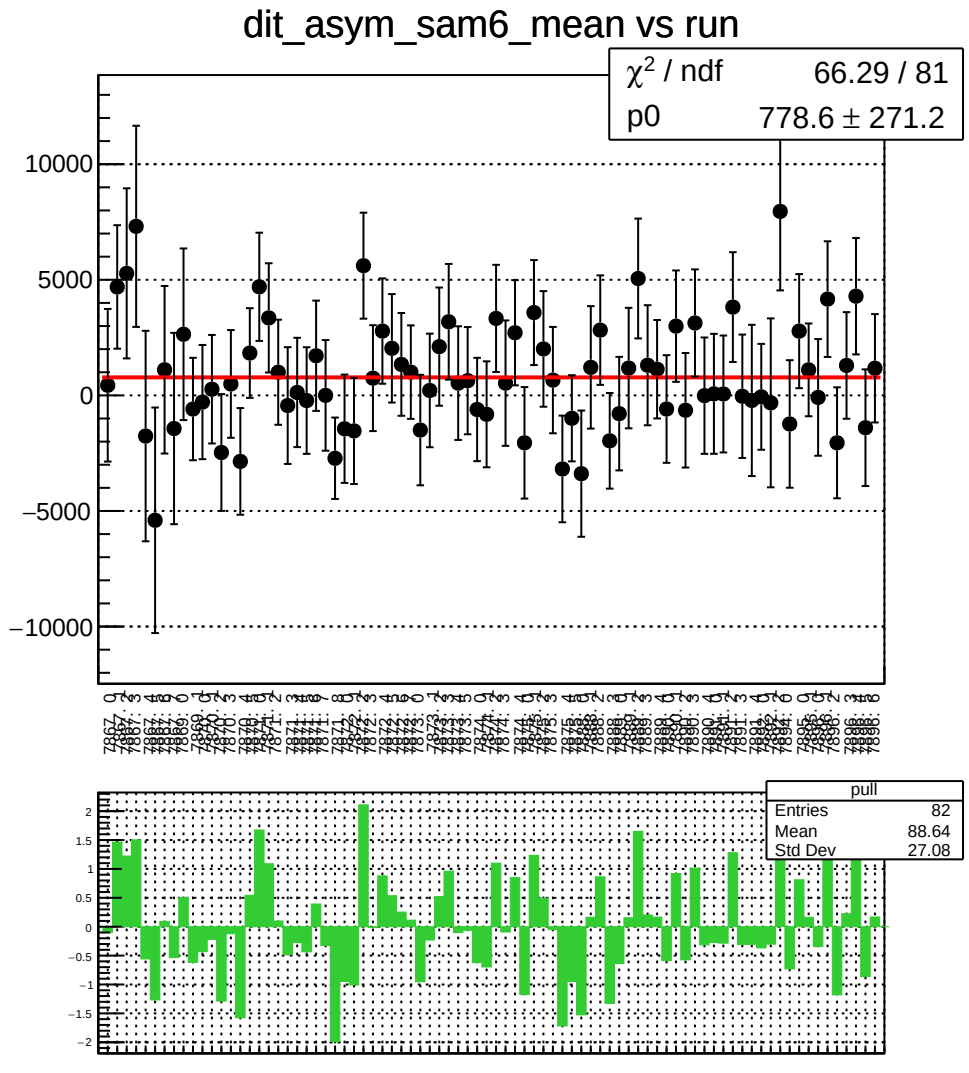

asym_sam5_correction_mean vs run
χ² / ndf 80.48 / 81
p0 5.428 ± 821.2
pull
Entries 82
Mean −105.9
Std Dev 133.9
pull1D
Entries 82
Mean −0.02328
Std Dev 0.9904

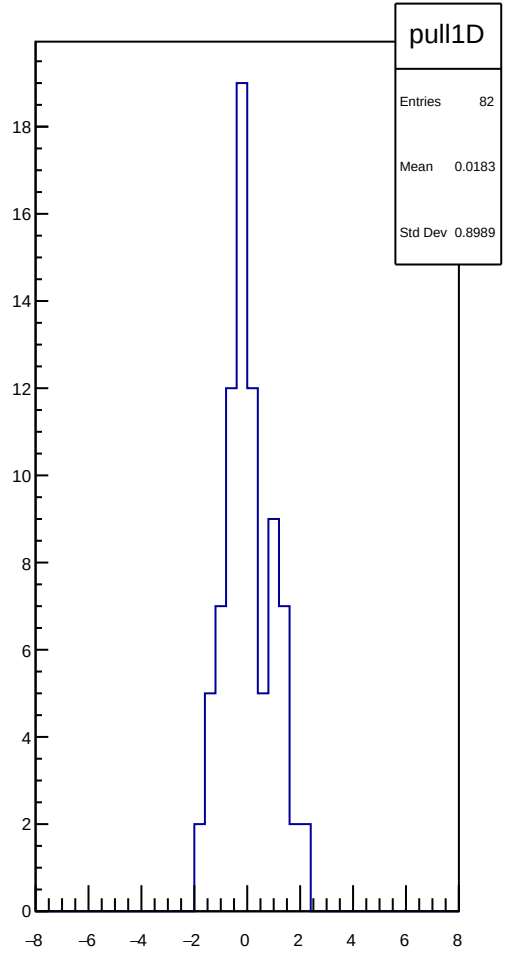

asym_sam5_correction_rms vs run
χ² / ndf 4.049e+04 / 81
p0 719.3 ± 0.5806
1100
1000
900
800
700
600
500

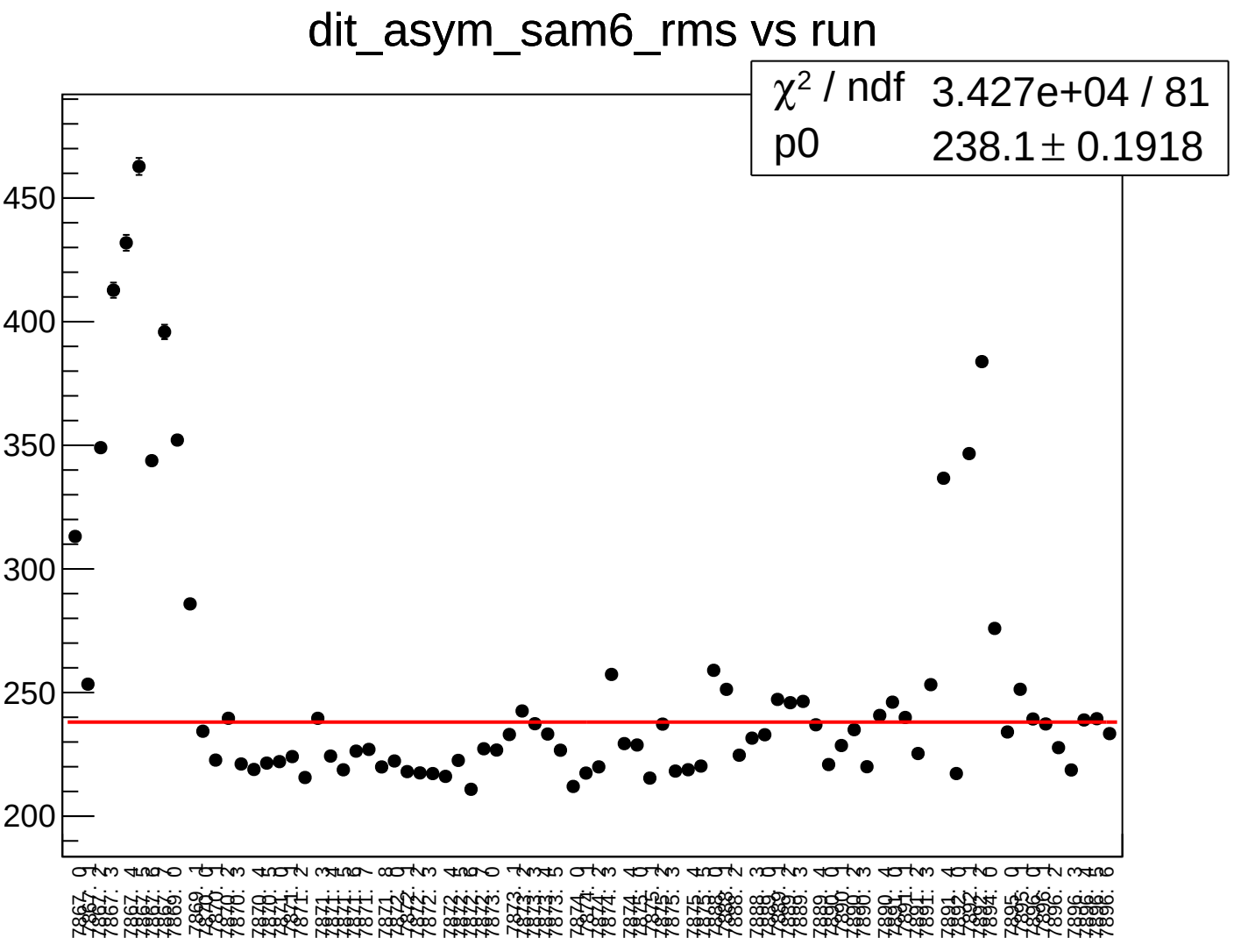

asym_sam5_mean vs run
χ² / ndf 74.61 / 81
p0 471.9 ± 835.7
pull
Entries 82
Mean −119.2
Std Dev 146.3


pull1D
Entries 82
Mean 0.02082
Std Dev 0.9537

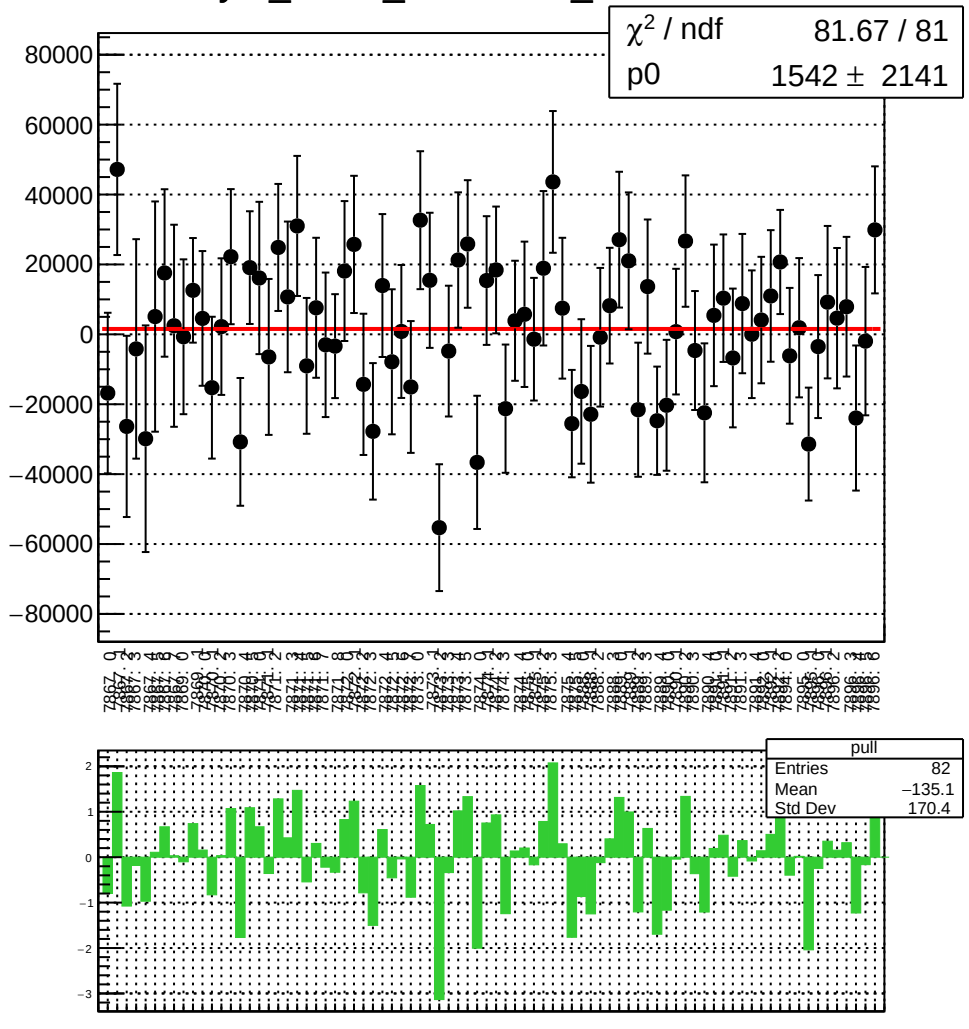

asym_sam5_rms vs run
χ^2 / ndf 3.43e+04 / 81
p0 733.6 ± 0.5909
1100
1000
900
800
700
600

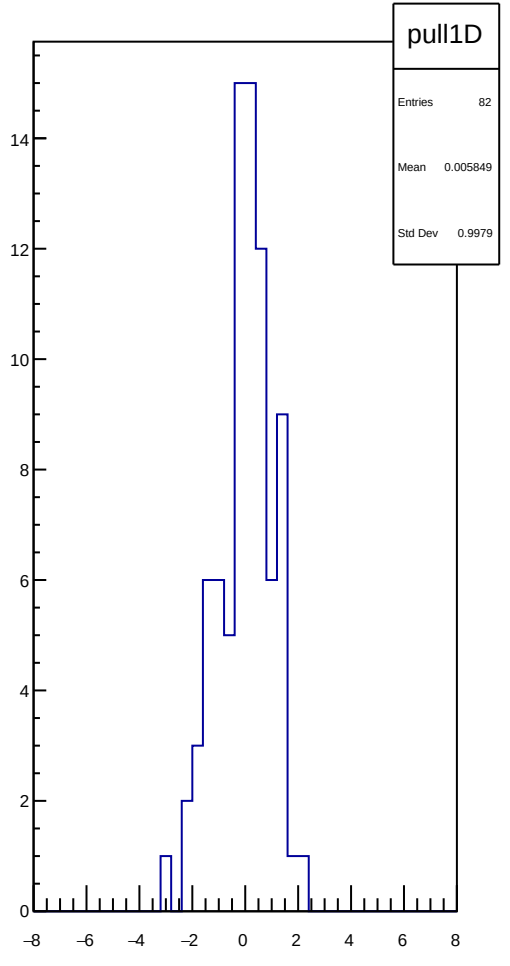

dit_asym_sam6_mean vs run
χ^2 / ndf 66.29 / 81
p0 778.6 ± 271.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 88.64
Std Dev 27.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

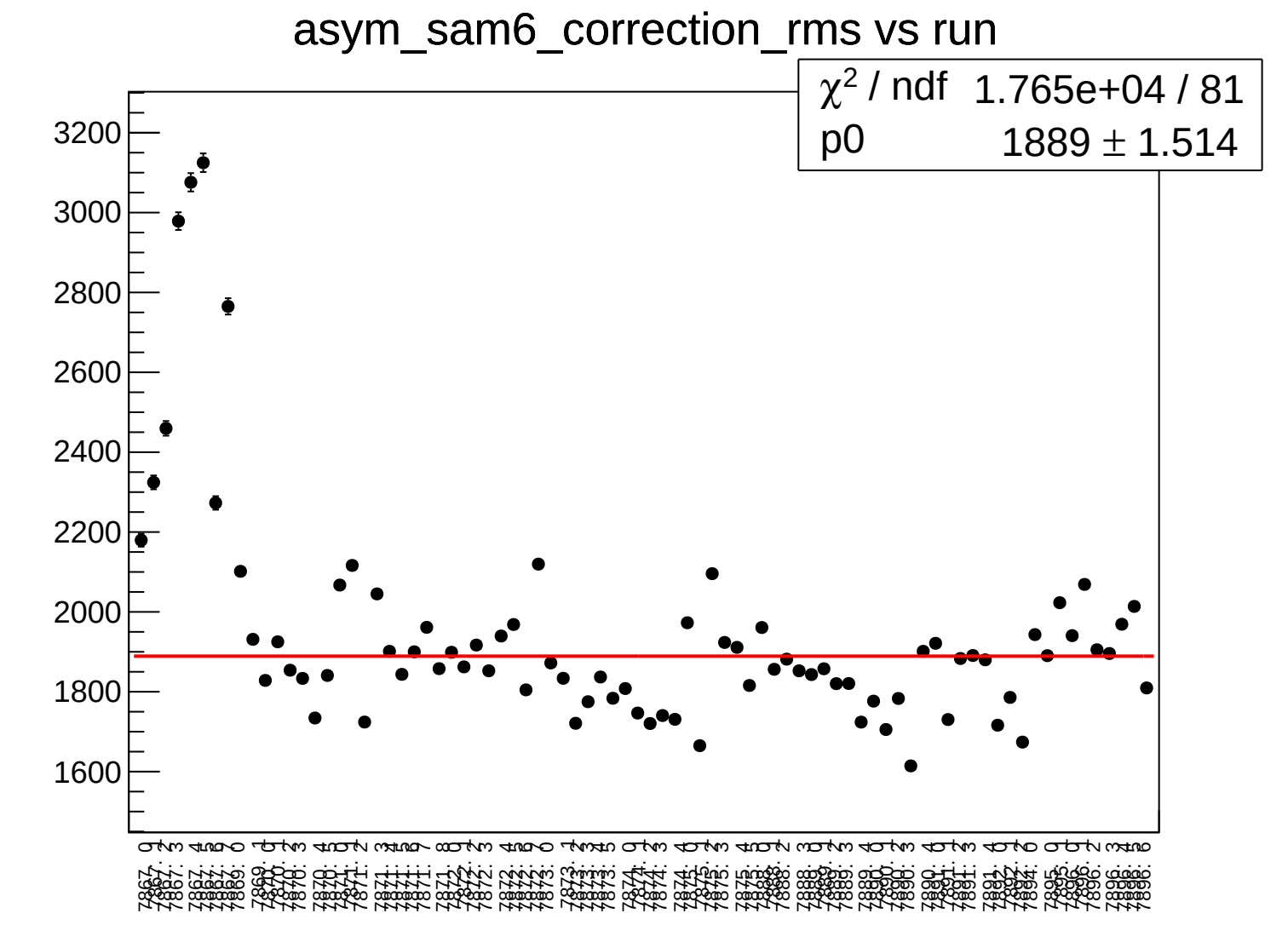

pull1D
Entries 82
Mean 0.0183
Std Dev 0.8989
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

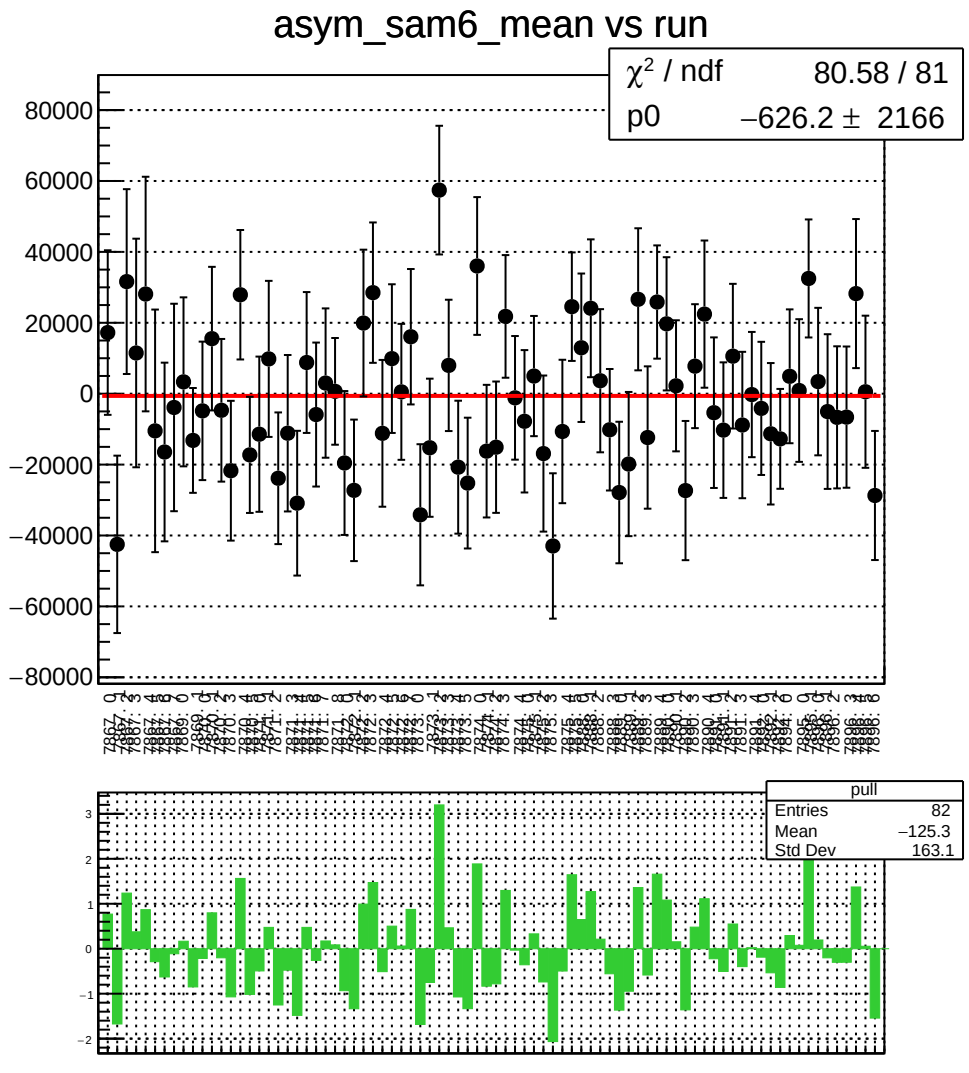

dit_asym_sam6_rms vs run
χ² / ndf 3.427e+04 / 81
p0 238.1 ± 0.1918
450
400
350
300
250
200

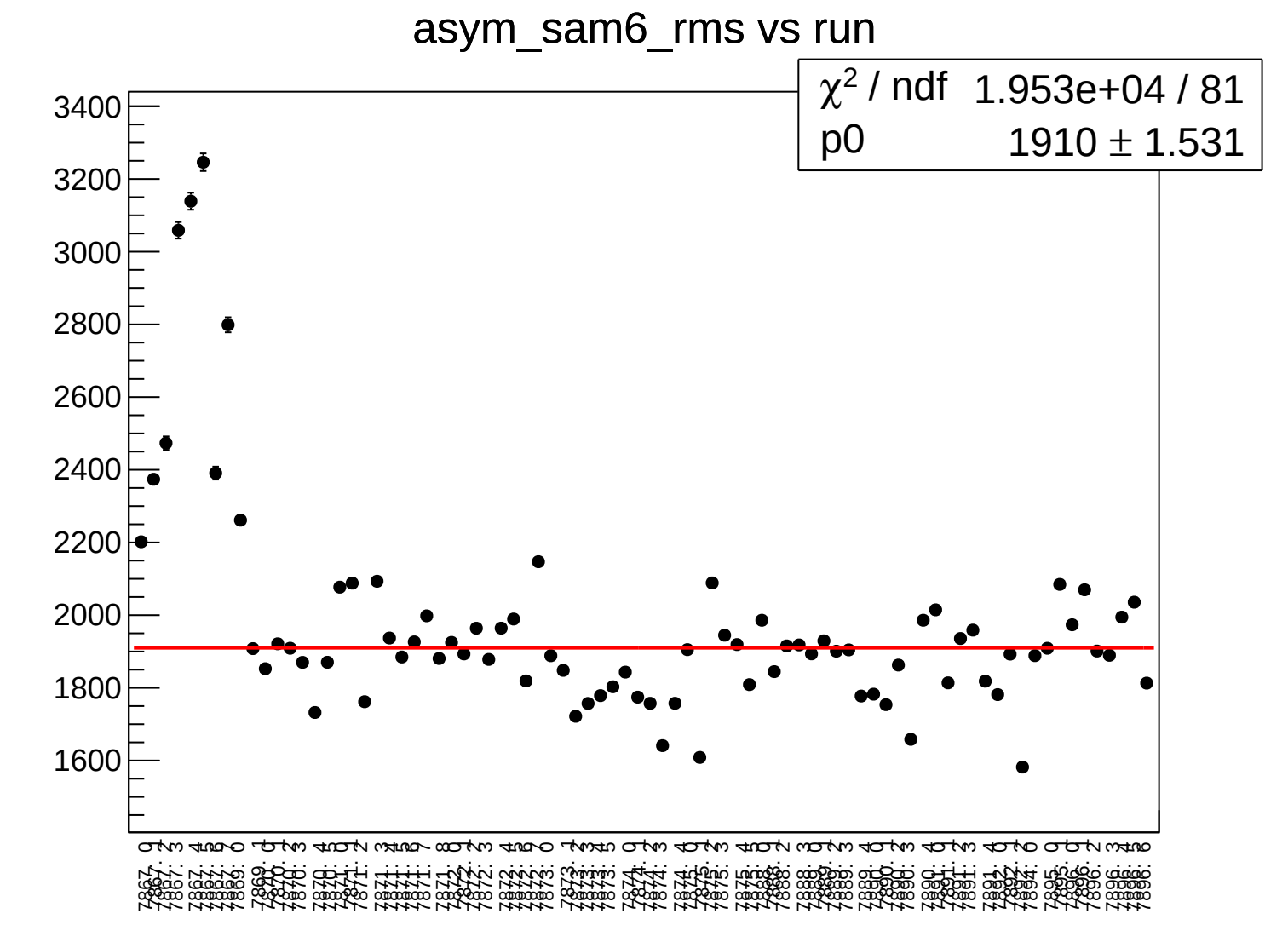
asym_sam6_correction_mean vs run

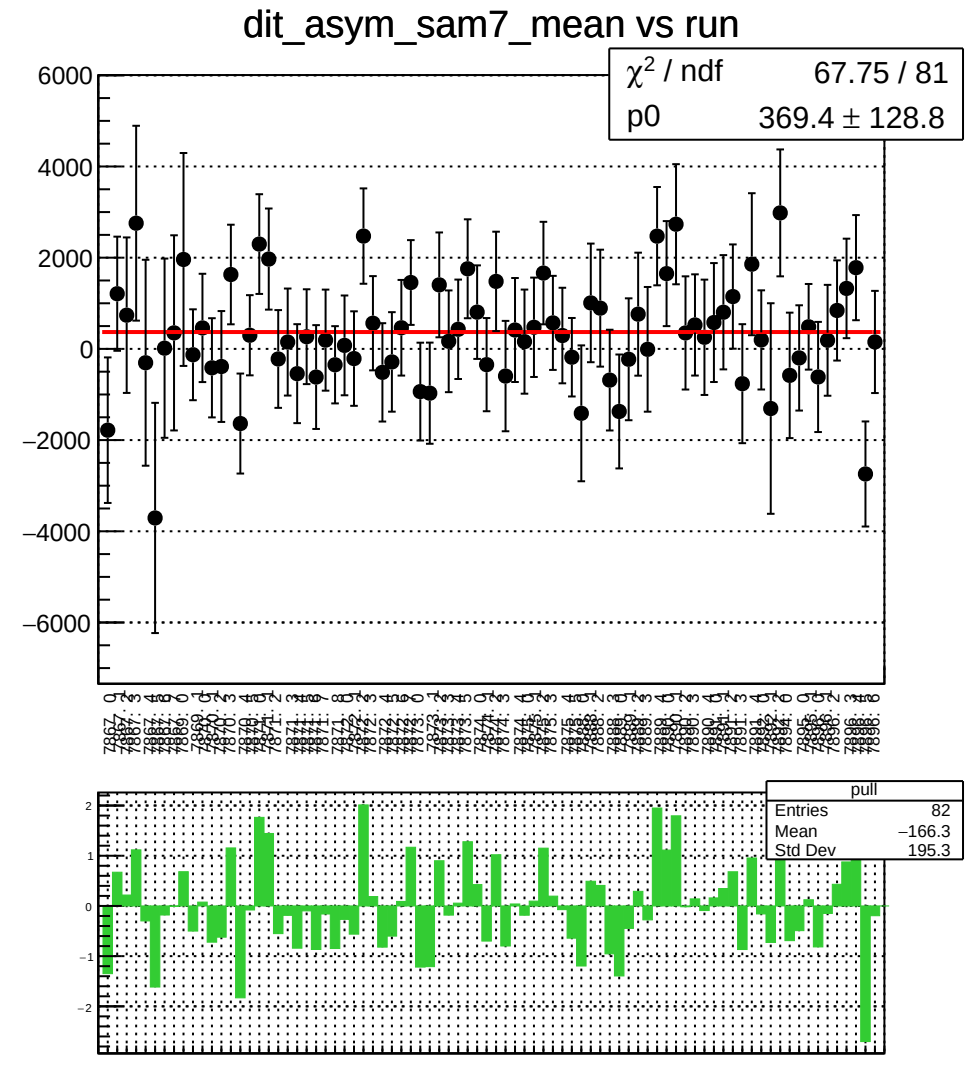


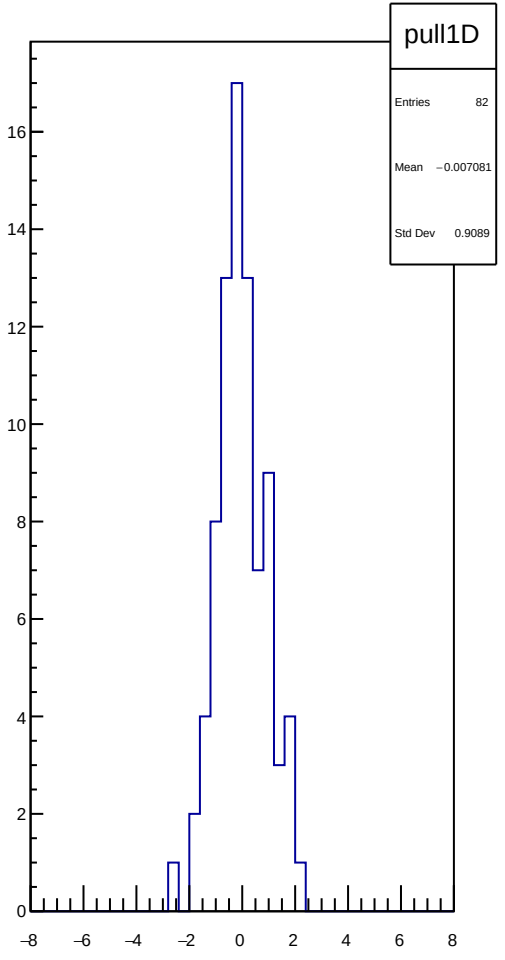


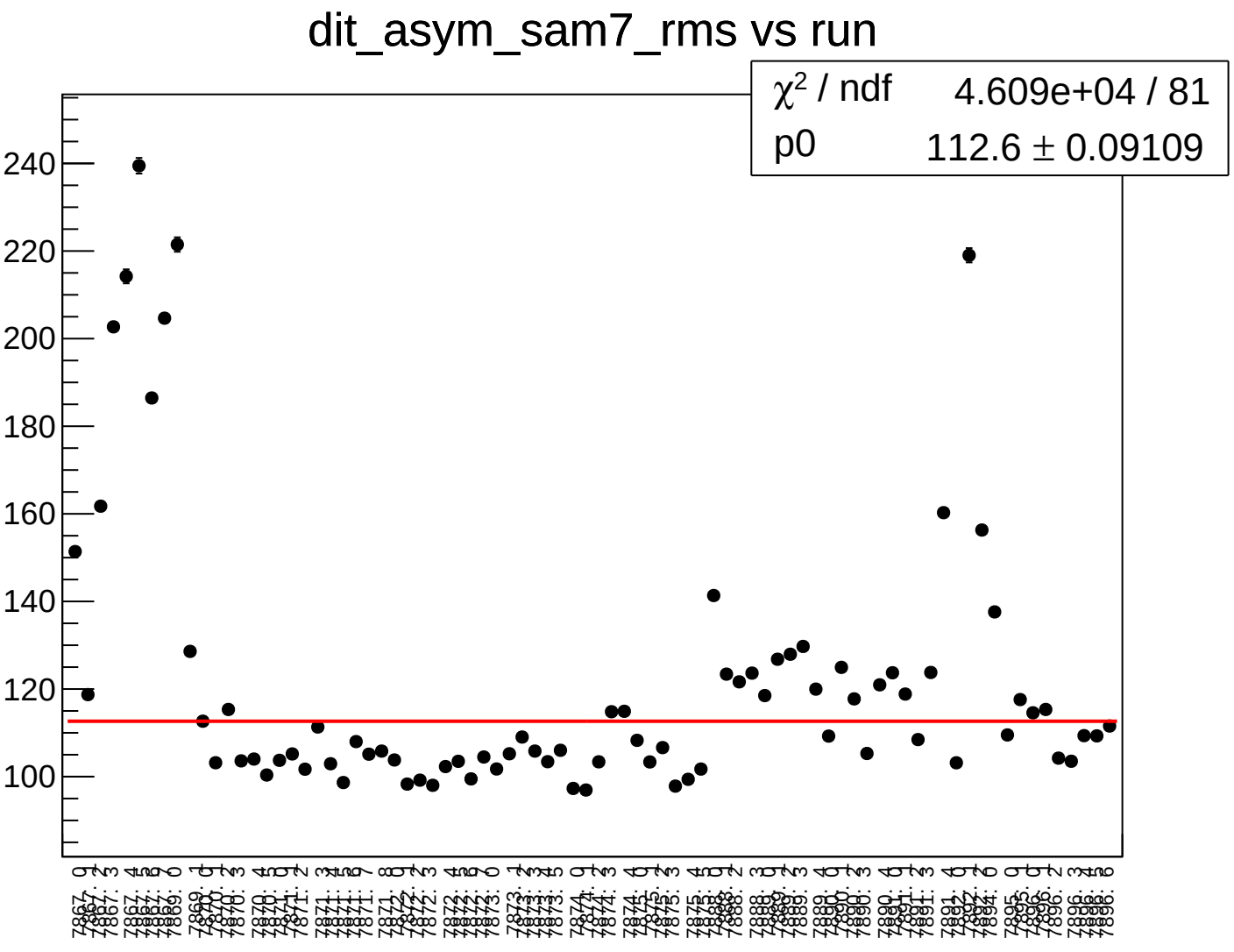

asym_sam6_correction_rms vs run
χ^2 / ndf 1.765e+04 / 81
p0 1889 ± 1.514
3200
3000
2800
2600
2400
2200
2000
1800
1600

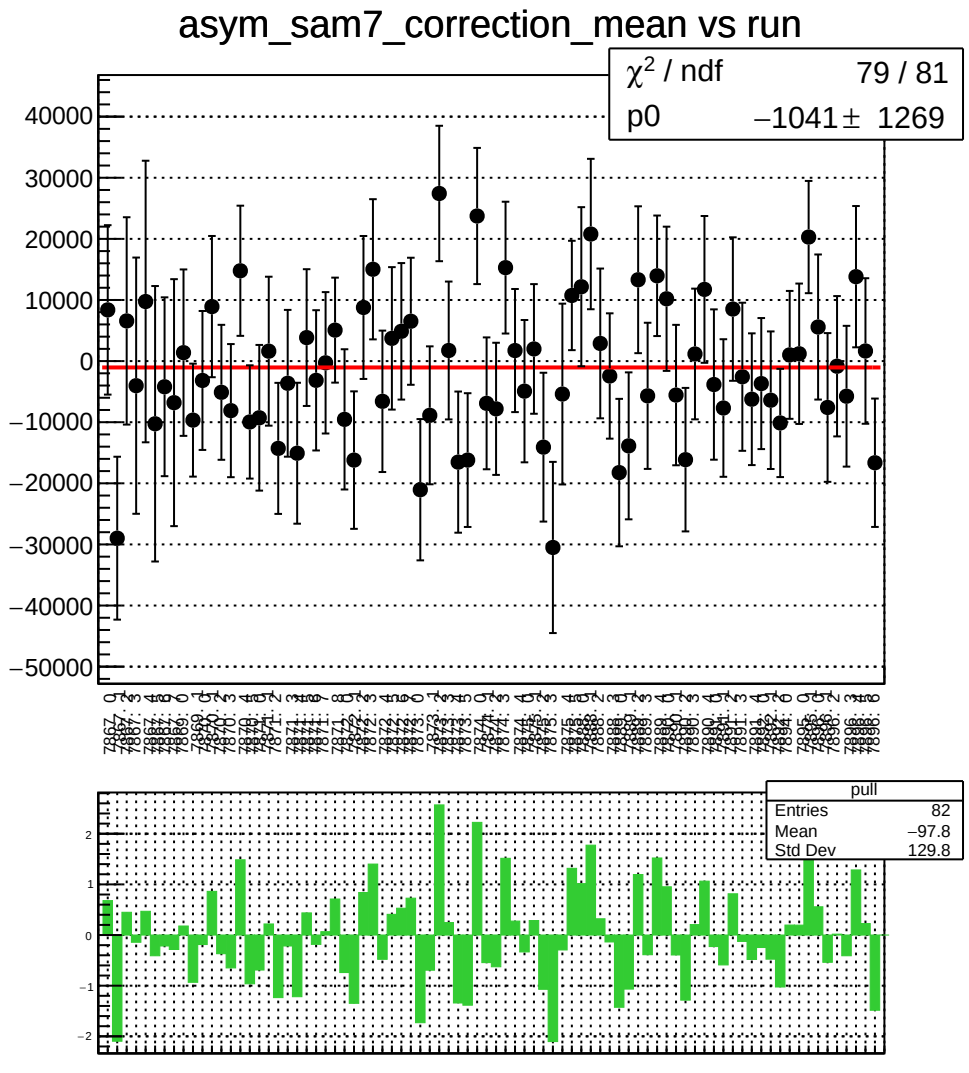

asym_sam6_mean vs run
χ² / ndf 80.58 / 81
p0 −626.2 ± 2166
pull
Entries 82
Mean −125.3
Std Dev 163.1
pull1D
Entries 82
Mean −0.006939
Std Dev 0.9913

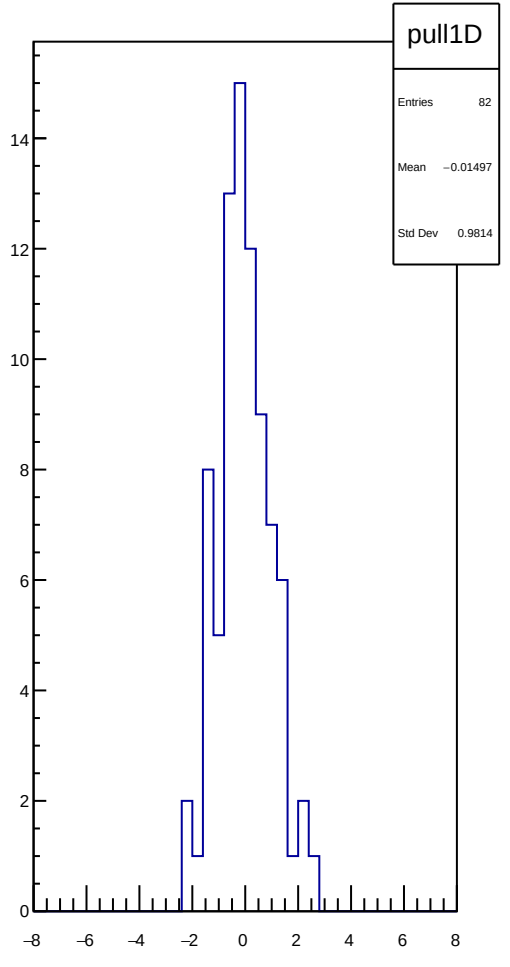

asym_sam6_rms vs run
χ² / ndf 1.953e+04 / 81
p0 1910 ± 1.531
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

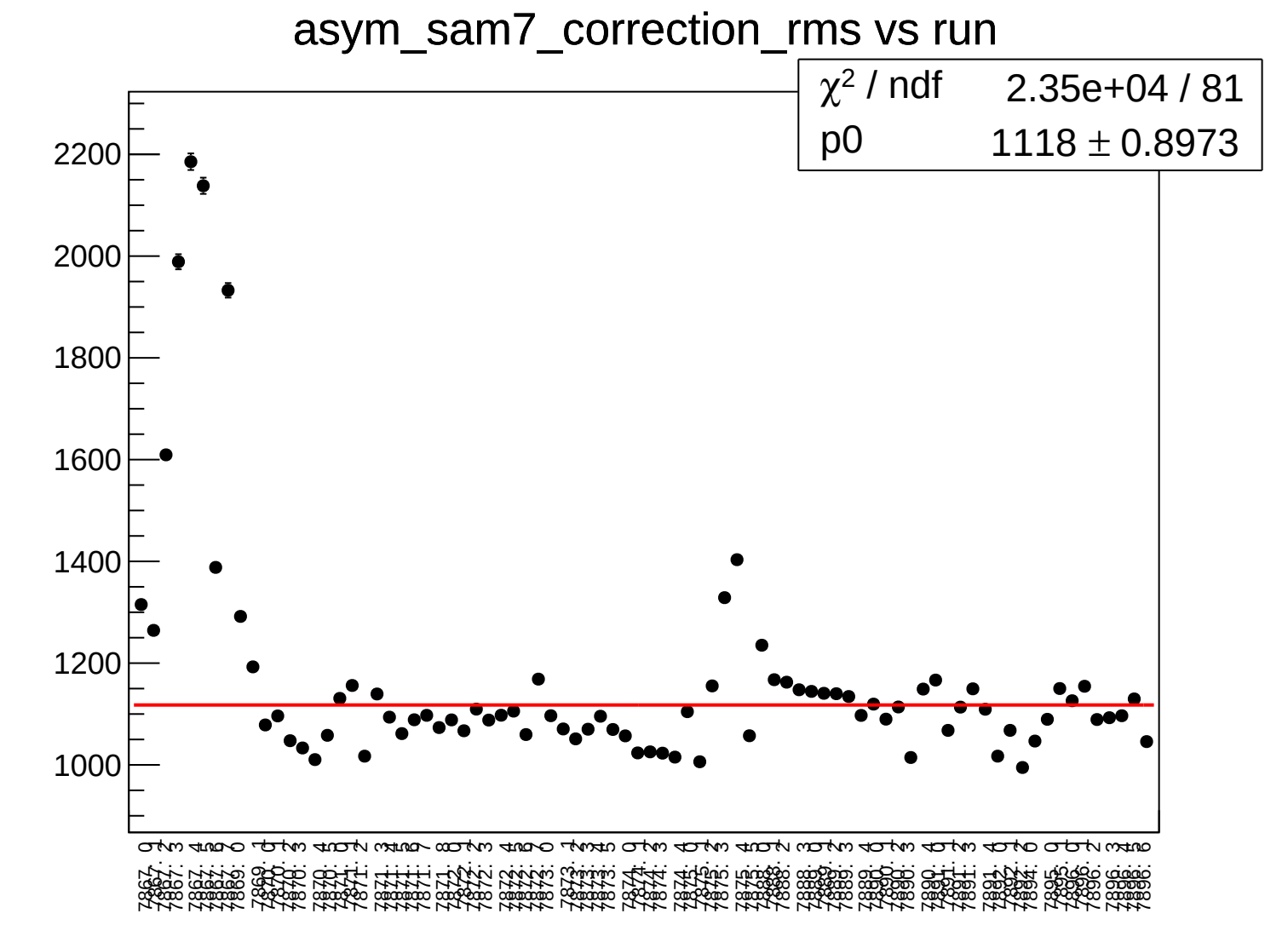

dit_asym_sam7_mean vs run
χ² / ndf 67.75 / 81
p0 369.4 ± 128.8
pull
Entries 82
Mean −166.3
Std Dev 195.3

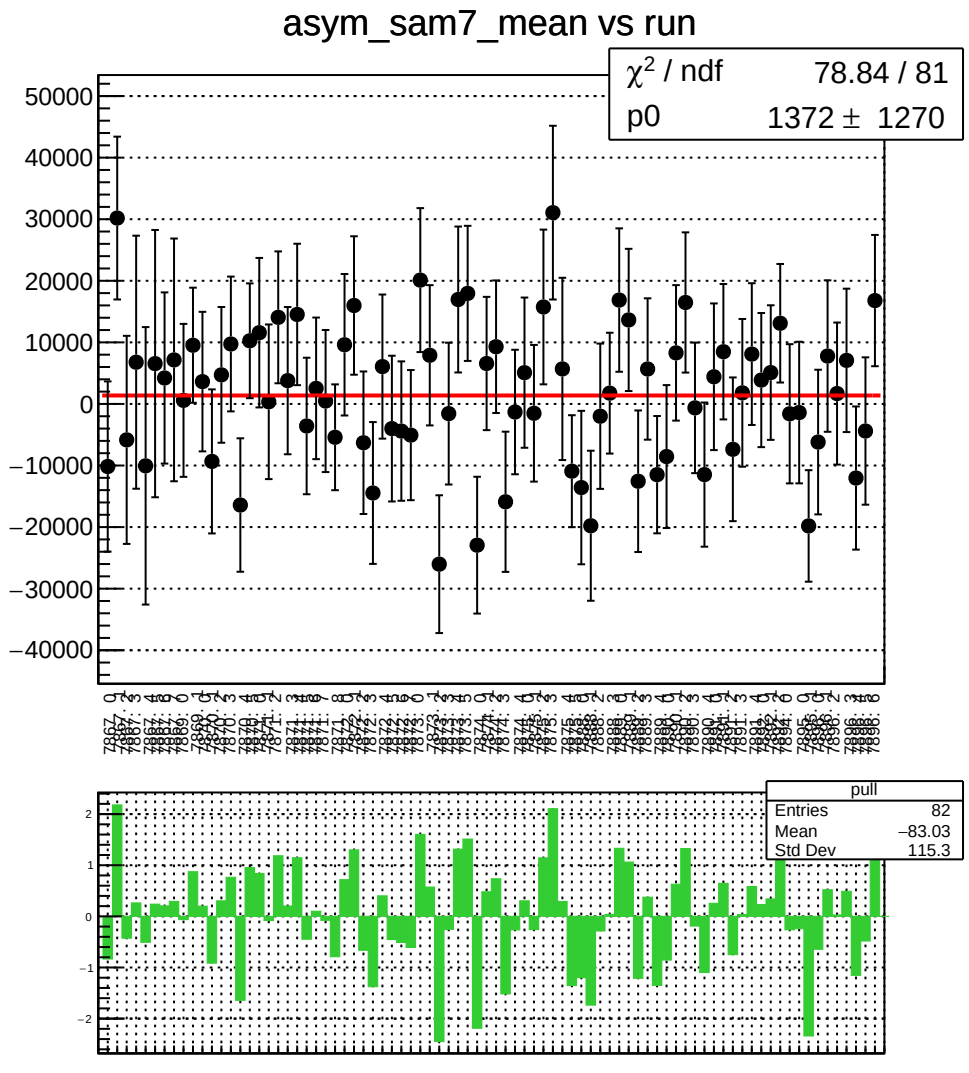

pull1D
Entries 82
Mean −0.007081
Std Dev 0.9089

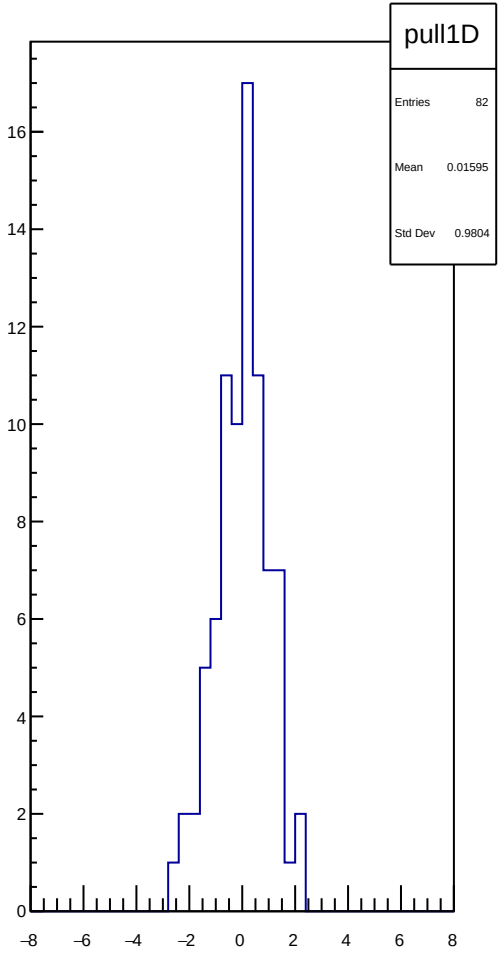

dit_asym_sam7_rms vs run
χ² / ndf 4.609e+04 / 81
p0 112.6 ± 0.09109
240
220
200
180
160
140
120
100

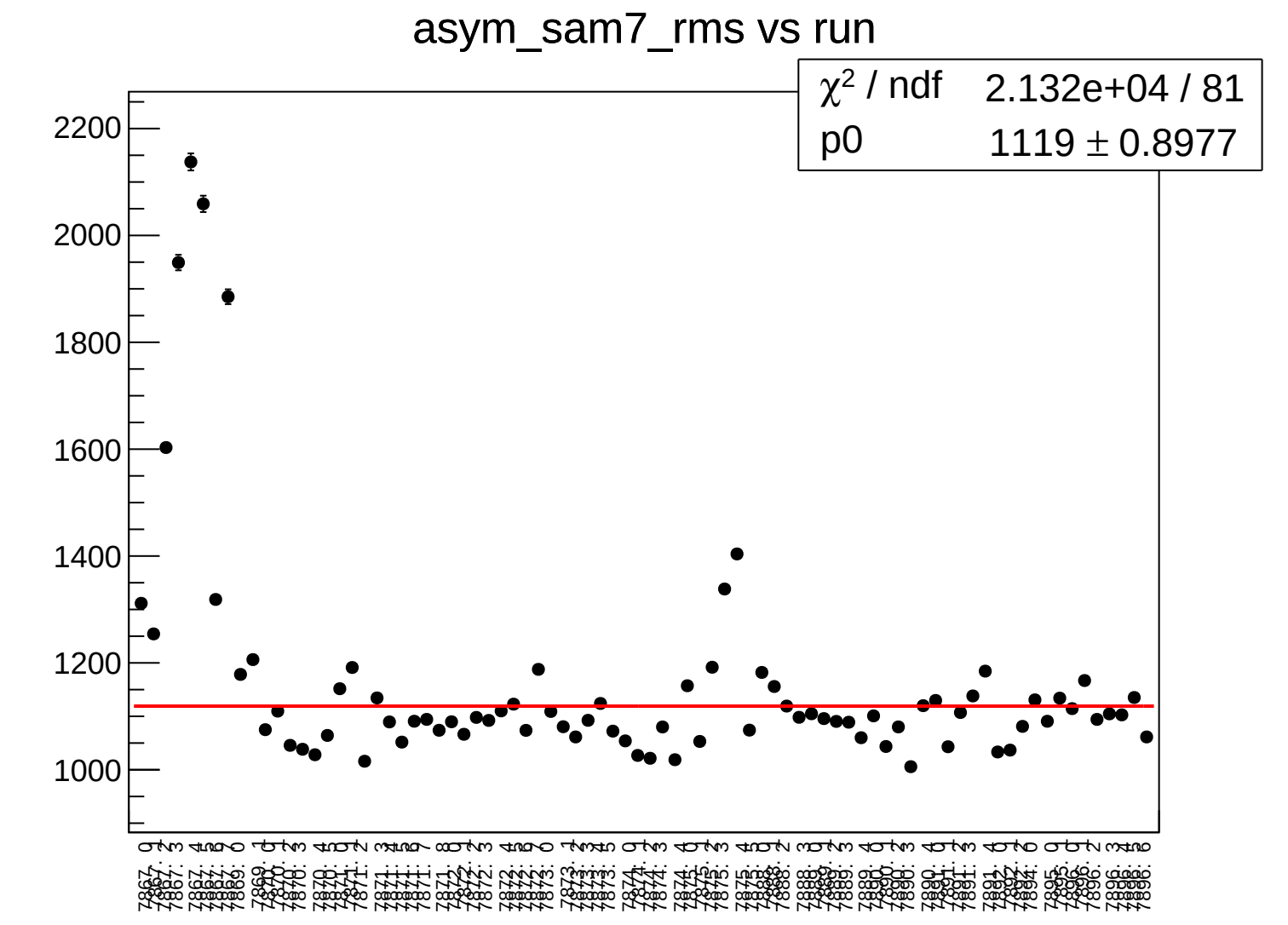

asym_sam7_correction_mean vs run
χ² / ndf 79 / 81
p0 −1041 ± 1269
pull
Entries 82
Mean −97.8
Std Dev 129.8

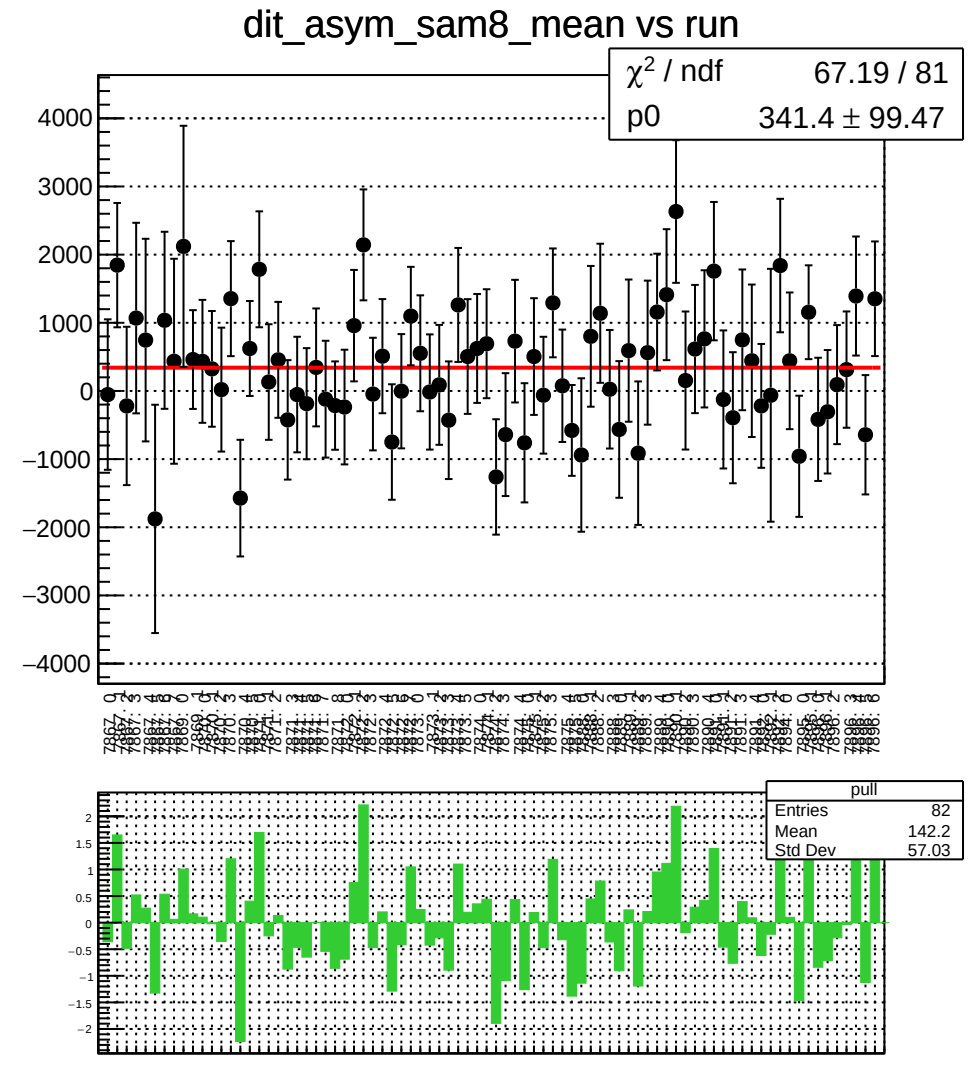

pull1D
Entries 82
Mean −0.01497
Std Dev 0.9814

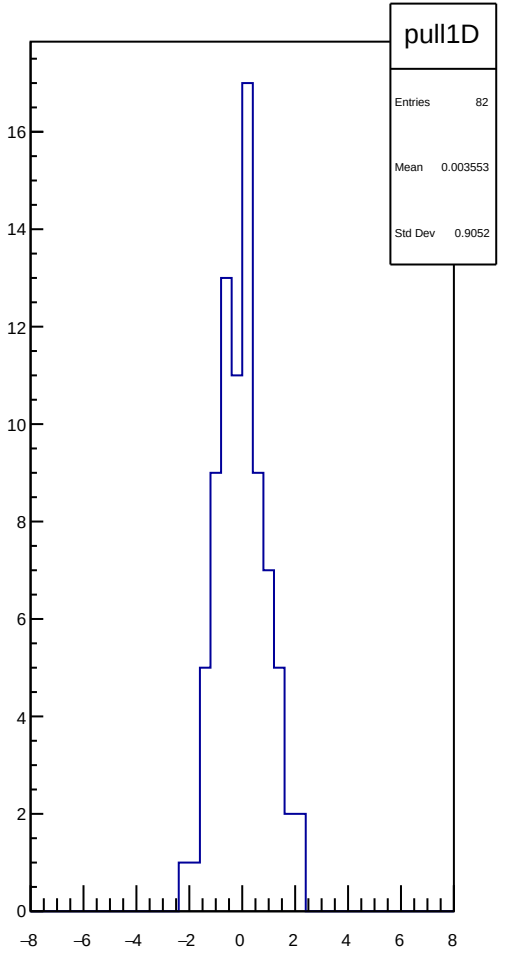

asym_sam7_correction_rms vs run
χ² / ndf 2.35e+04 / 81
p0 1118 ± 0.8973
2200
2000
1800
1600
1400
1200
1000

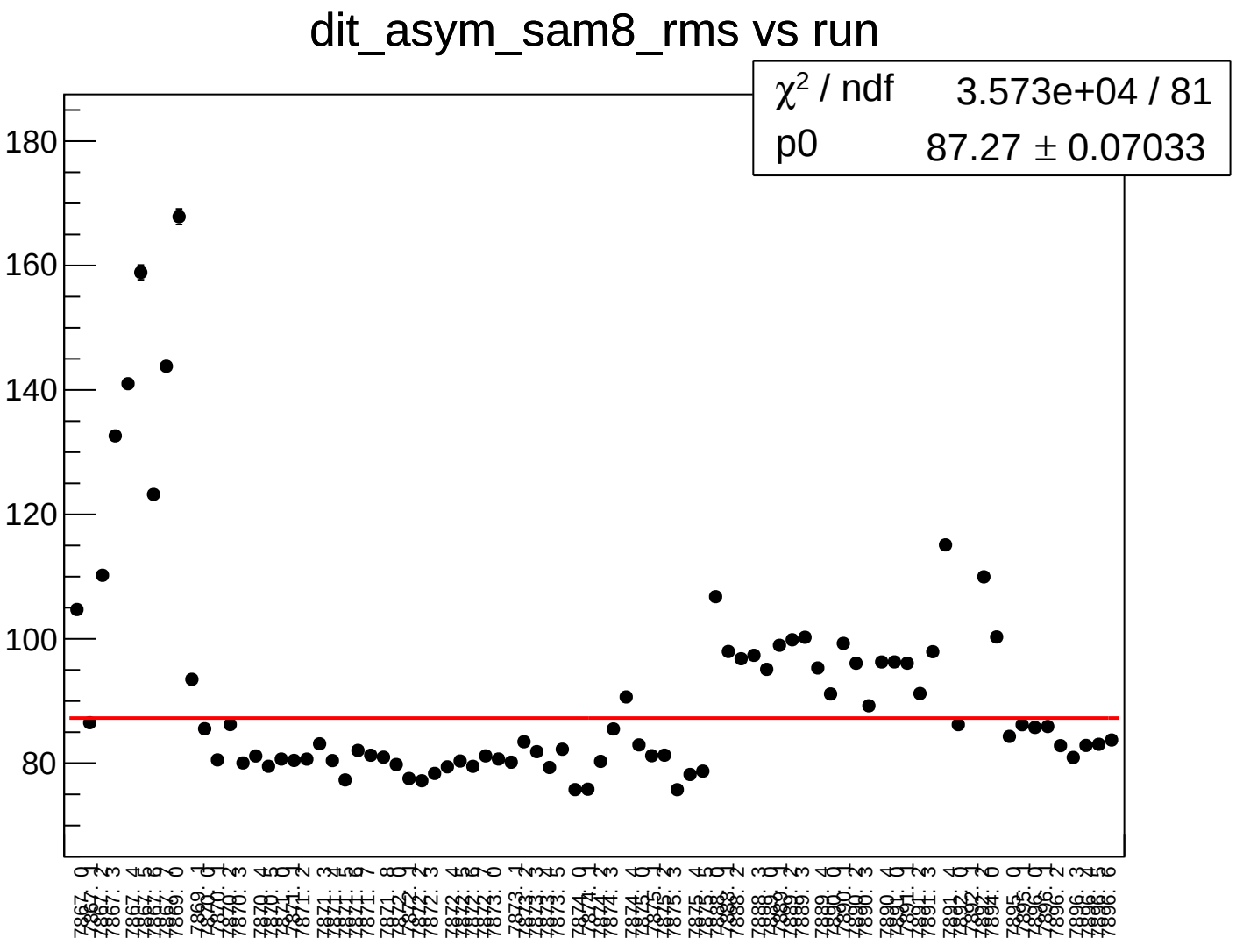

asym_sam7_mean vs run
χ² / ndf 78.84 / 81
p0 1372 ± 1270
pull
Entries 82
Mean −83.03
Std Dev 115.3

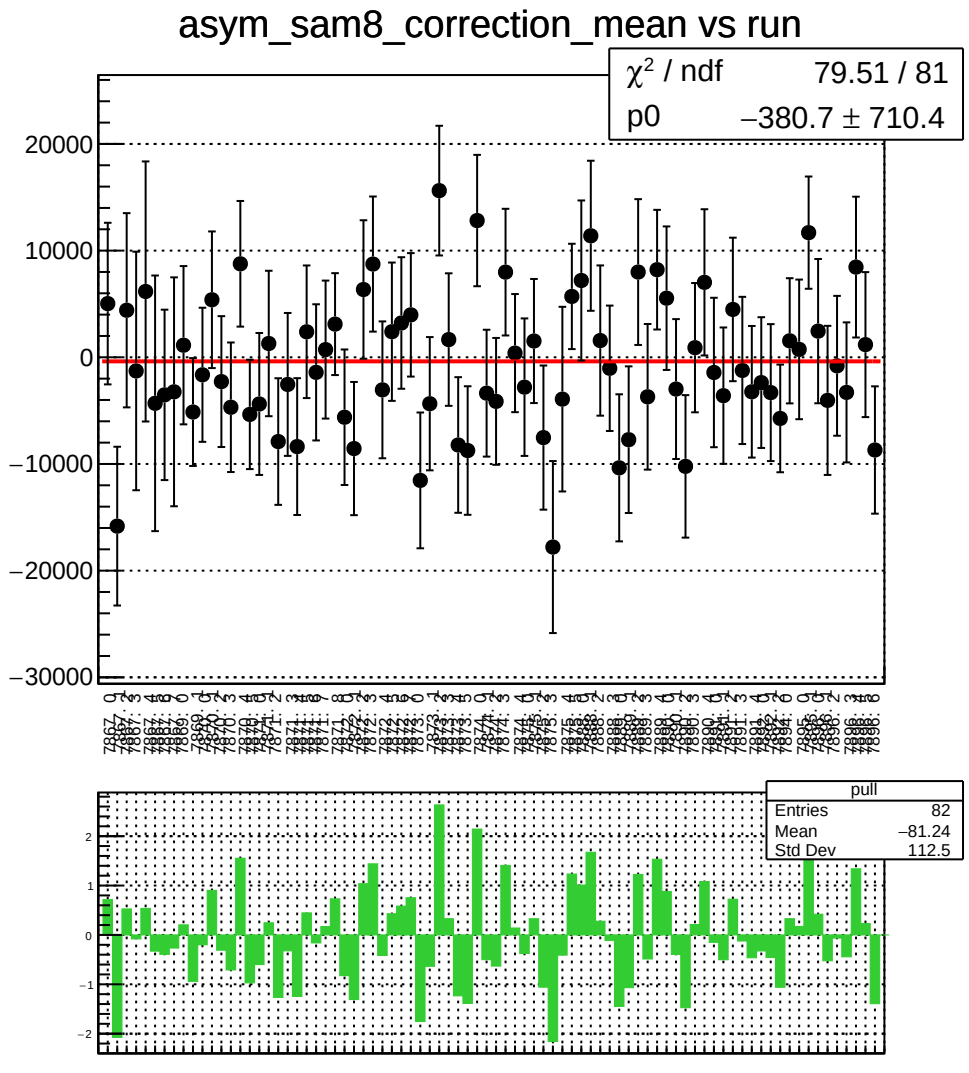

pull1D
Entries 82
Mean 0.01595
Std Dev 0.9804

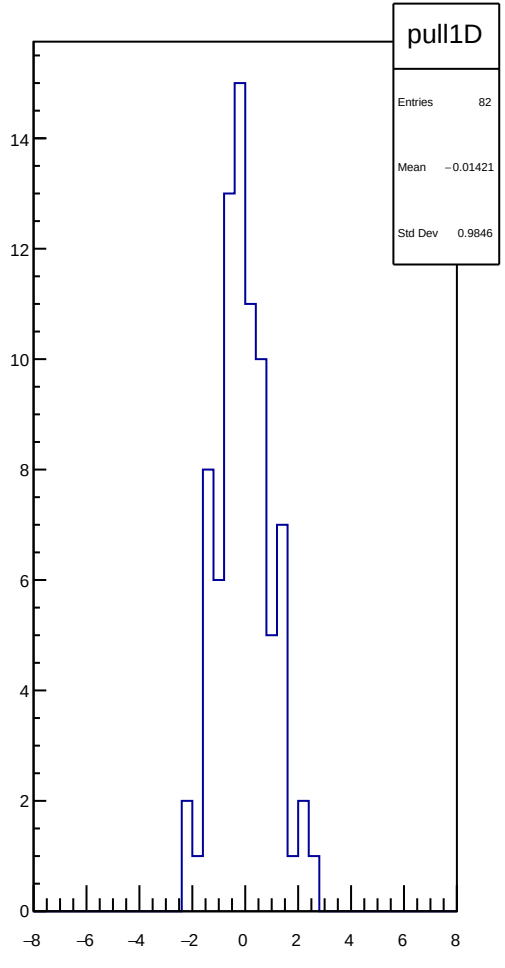

asym_sam7_rms vs run
χ^2 / ndf 2.132e+04 / 81
p0 1119 ± 0.8977
2200
2000
1800
1600
1400
1200
1000

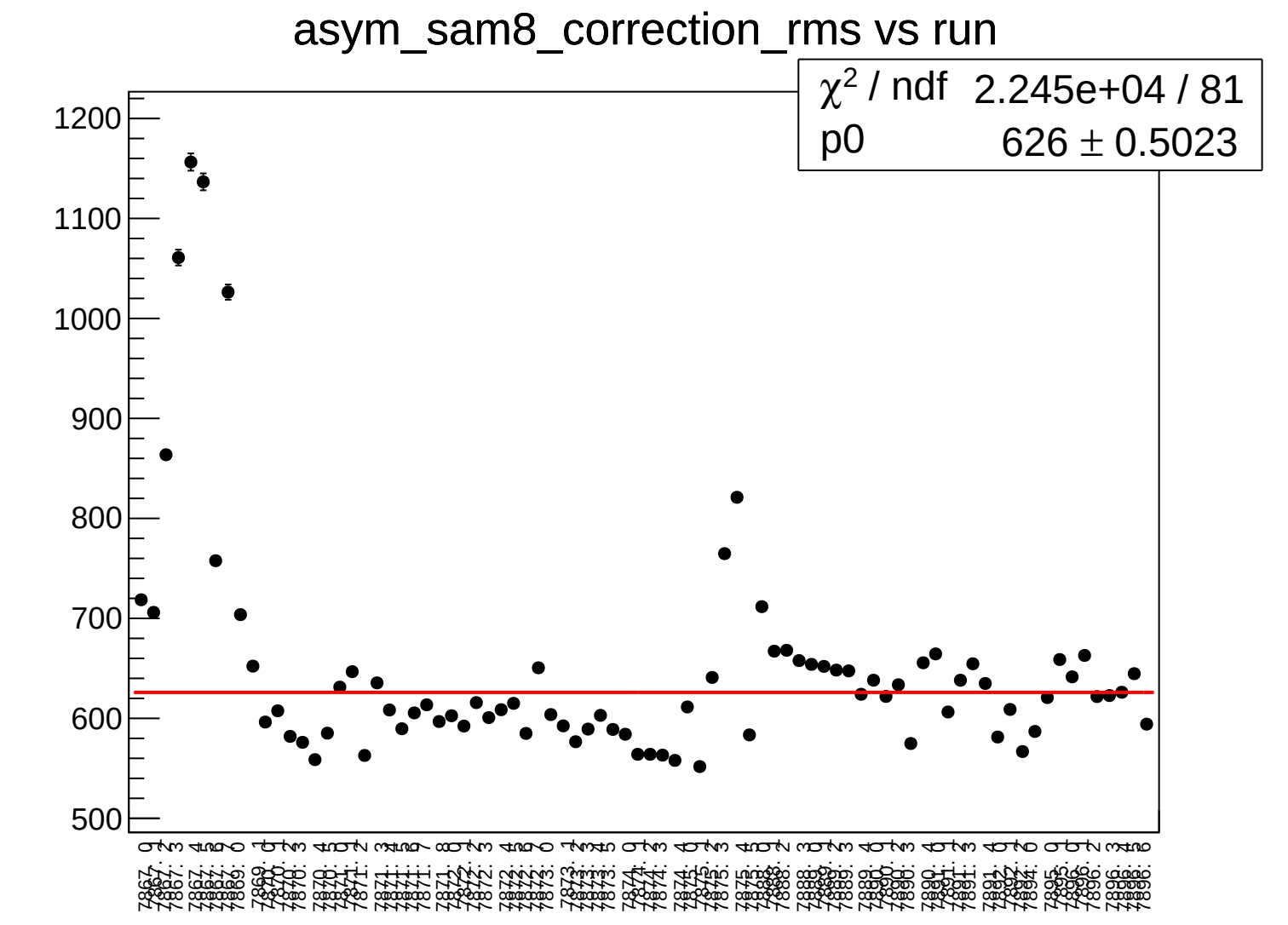

dit_asym_sam8_mean vs run
χ^2 / ndf 67.19 / 81
p0 341.4 ± 99.47
pull
Entries 82
Mean 142.2
Std Dev 57.03

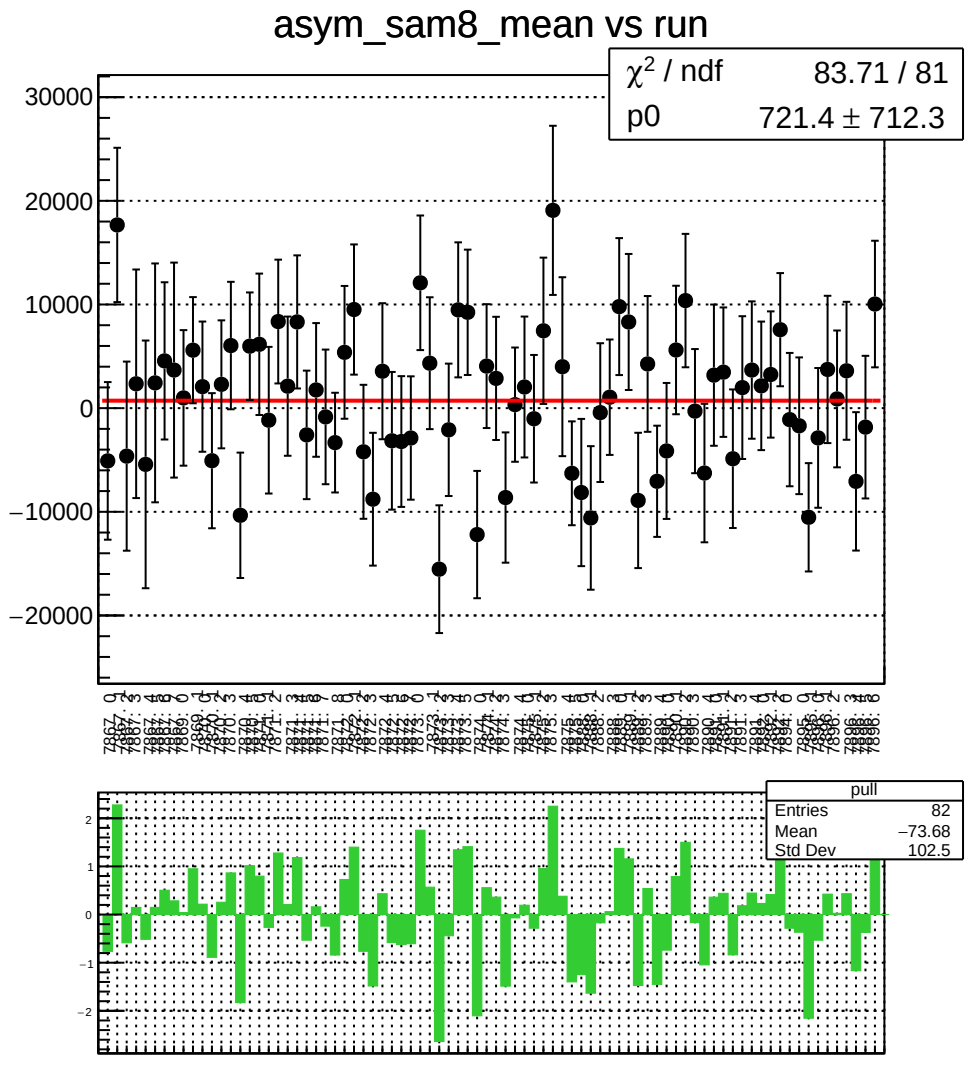

pull1D
Entries 82
Mean 0.003553
Std Dev 0.9052

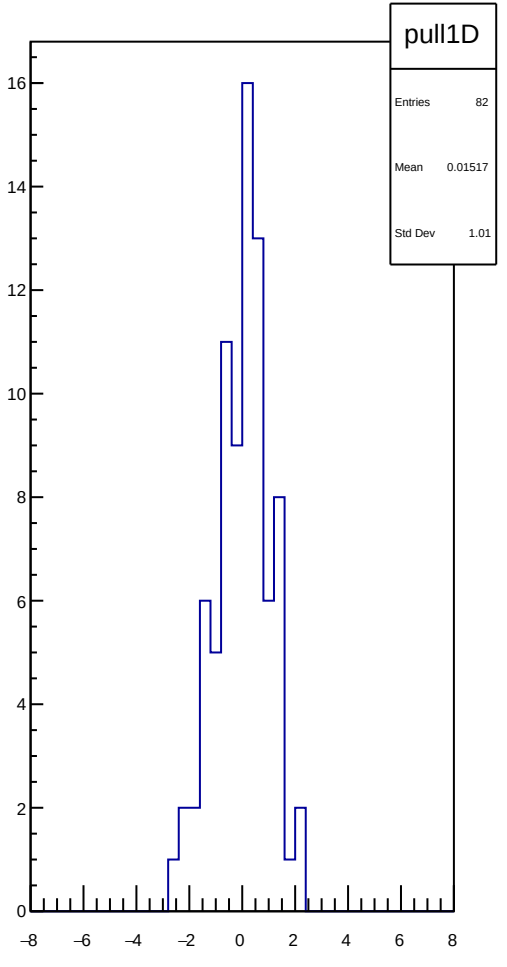

dit_asym_sam8_rms vs run
χ^2 / ndf 3.573e+04 / 81
p0 87.27 ± 0.07033
180
160
140
120
100
80

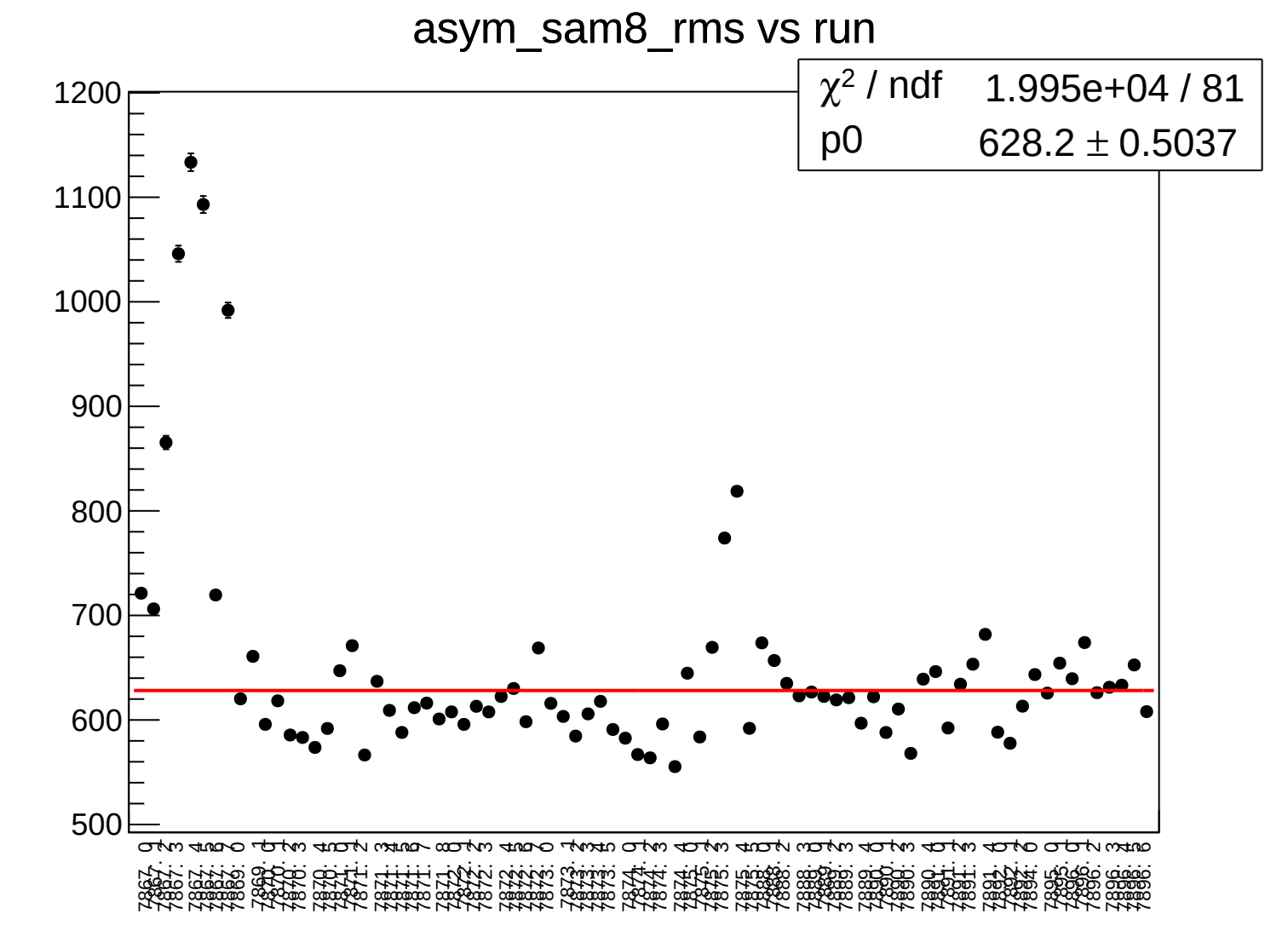

asym_sam8_correction_mean vs run
χ² / ndf 79.51 / 81
p0 −380.7 ± 710.4
pull
Entries 82
Mean −81.24
Std Dev 112.5

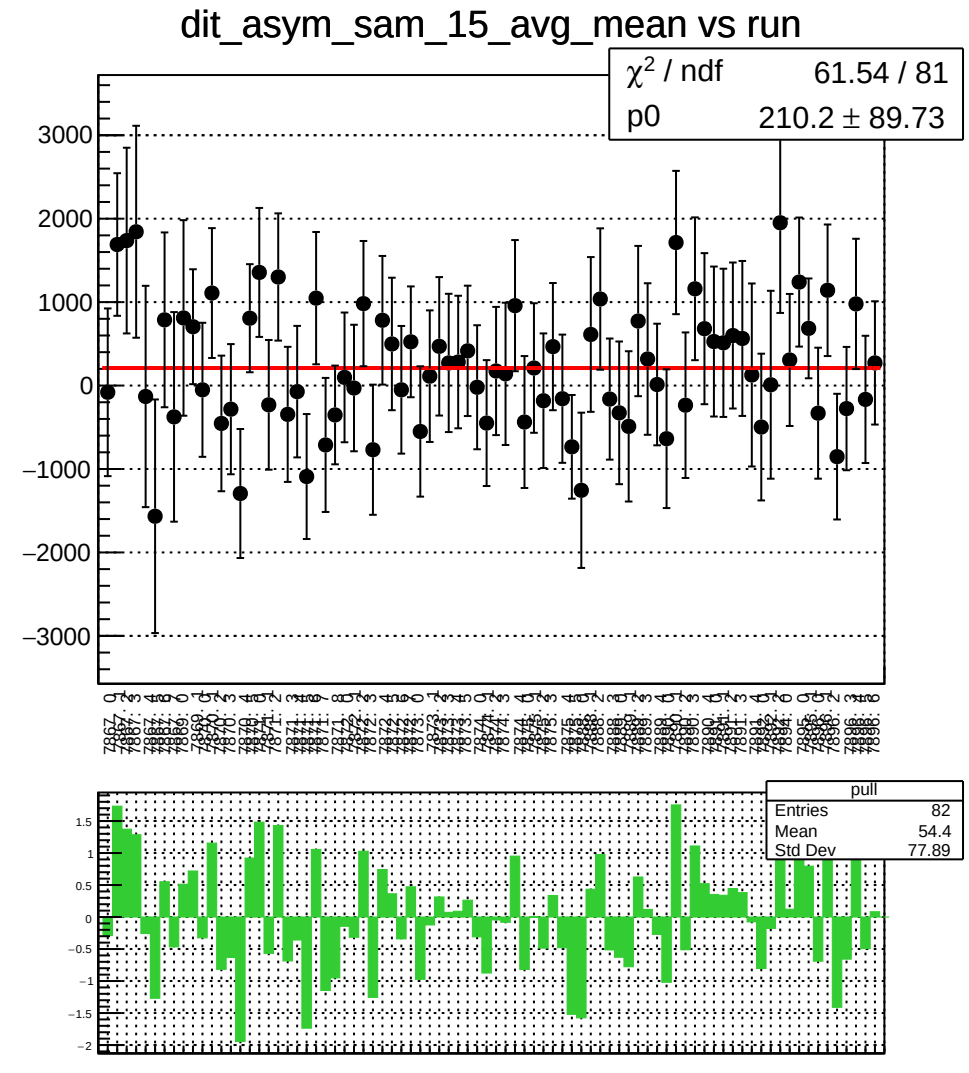

pull1D
Entries 82
Mean −0.01421
Std Dev 0.9846

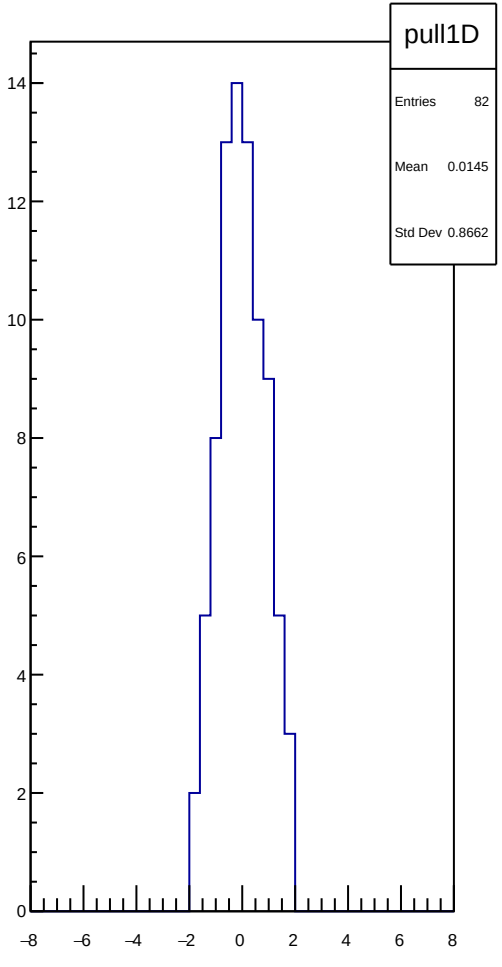

asym_sam8_correction_rms vs run
χ² / ndf 2.245e+04 / 81
p0 626 ± 0.5023
1200
1100
1000
900
800
700
600
500

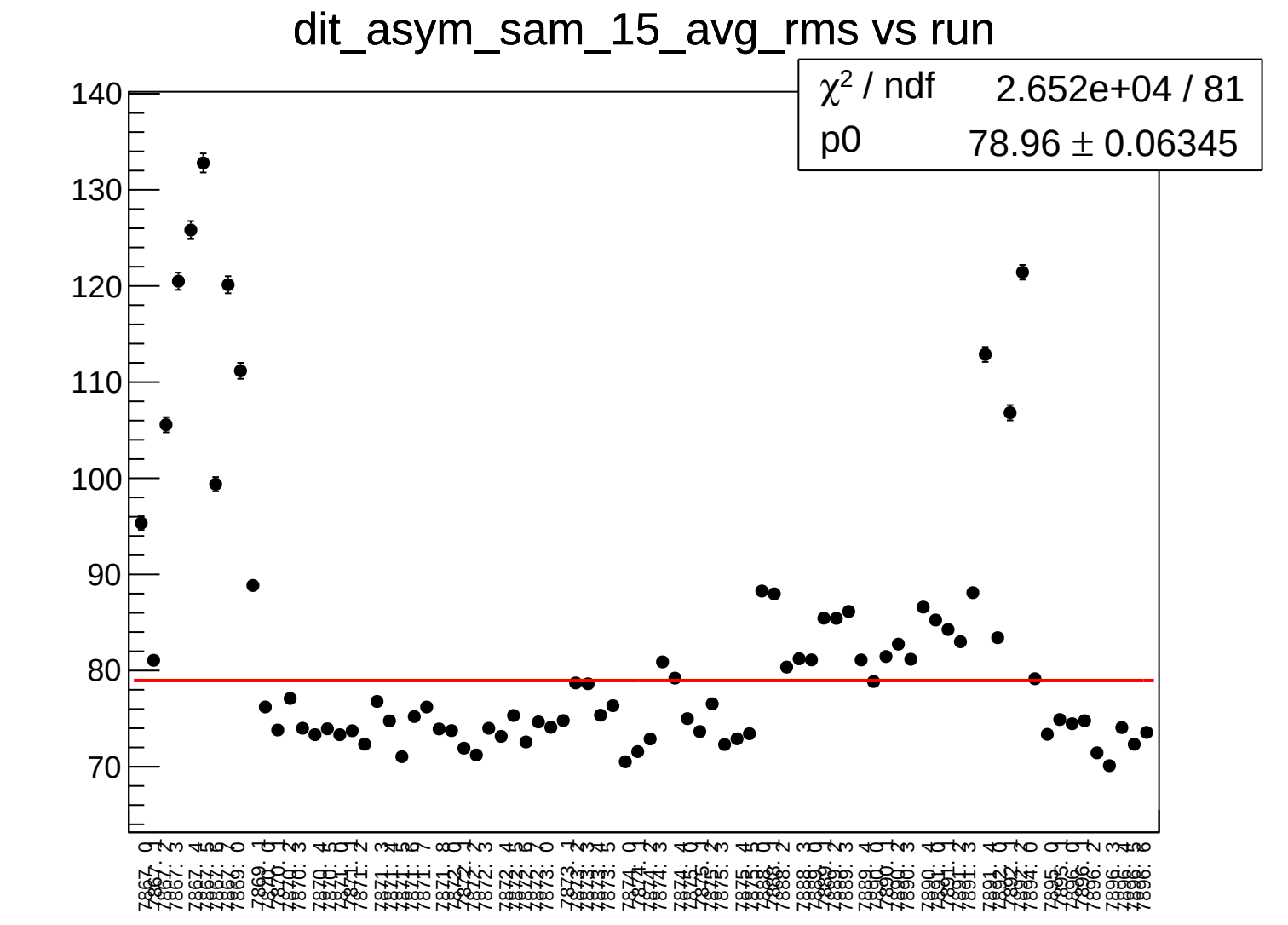

asym_sam8_mean vs run
χ² / ndf 83.71 / 81
p0 721.4 ± 712.3
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −73.68
Std Dev 102.5
2
1
0
−1
−2

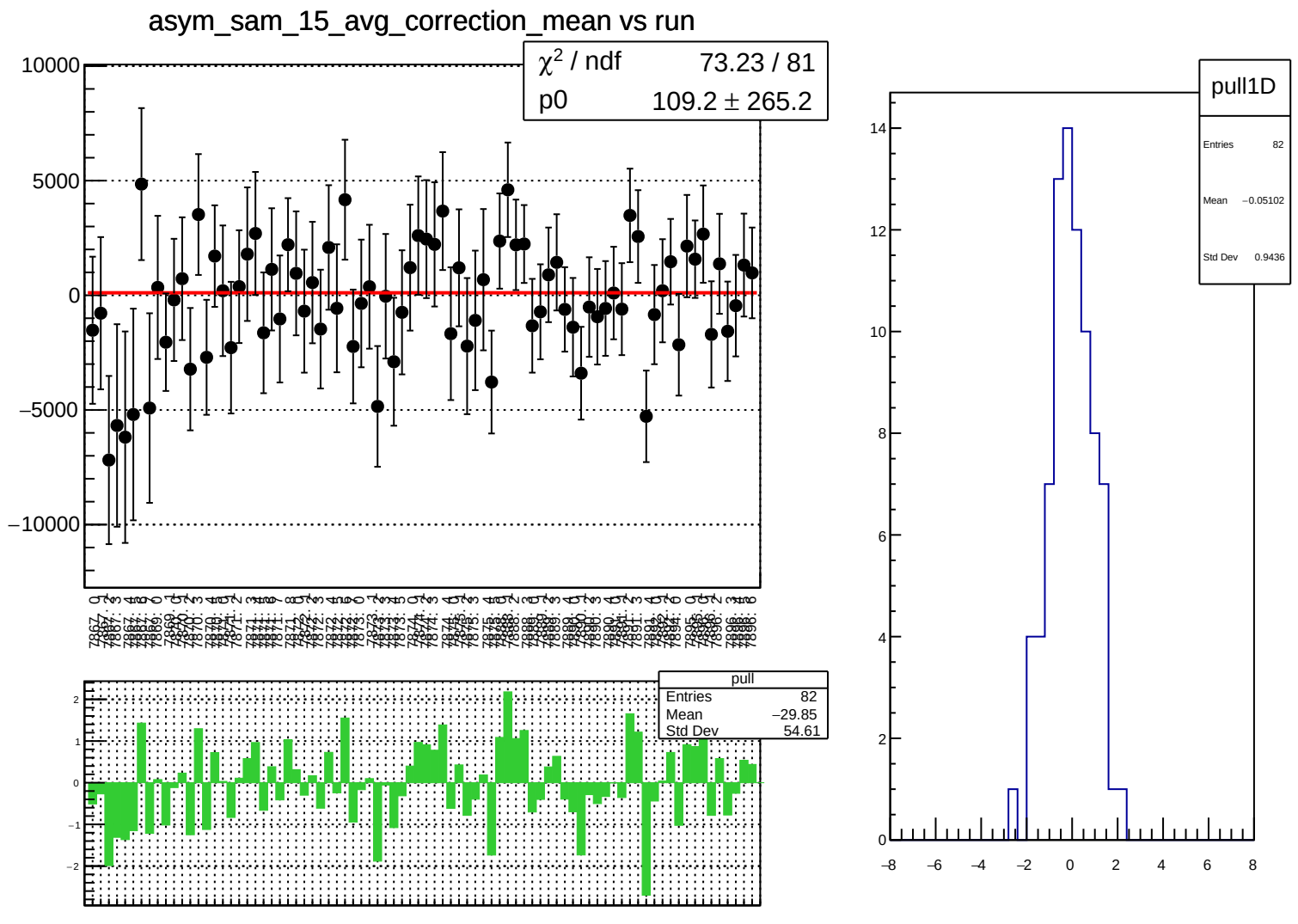

pull1D
Entries 82
Mean 0.01517
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

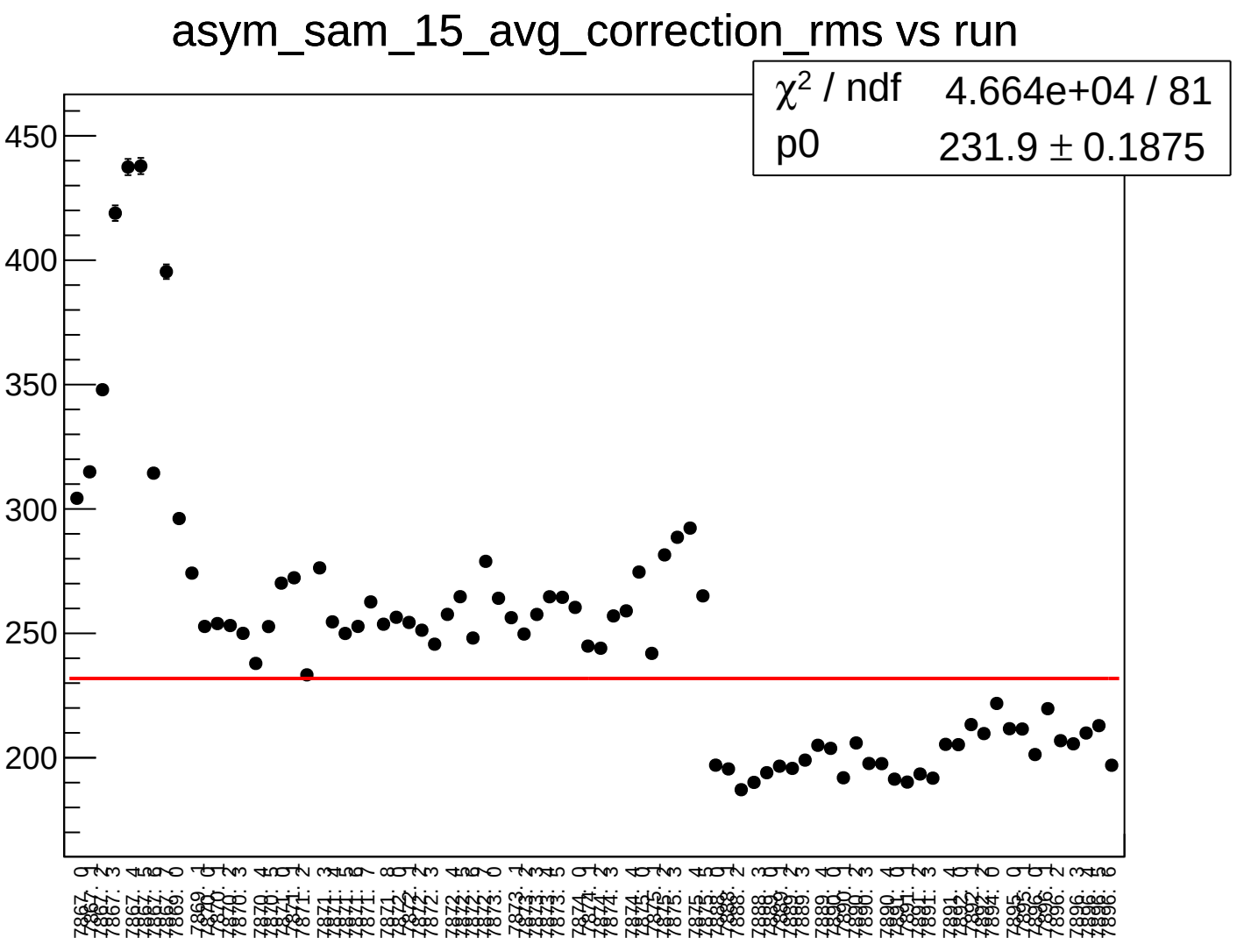

asym_sam8_rms vs run
χ² / ndf 1.995e+04 / 81
p0 628.2 ± 0.5037
1200
1100
1000
900
800
700
600
500

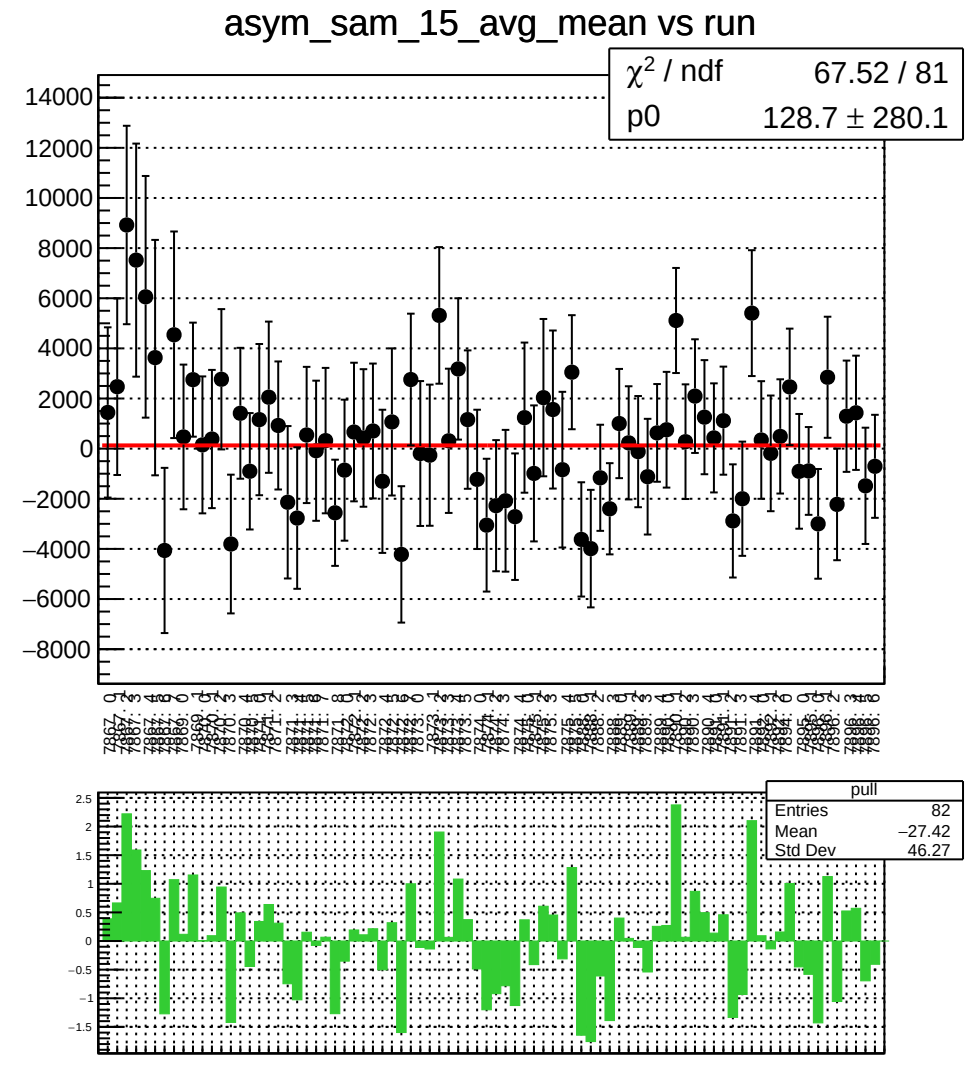

dit_asym_sam_15_avg_mean vs run
χ² / ndf 61.54 / 81
p0 210.2 ± 89.73
pull
Entries 82
Mean 54.4
Std Dev 77.89

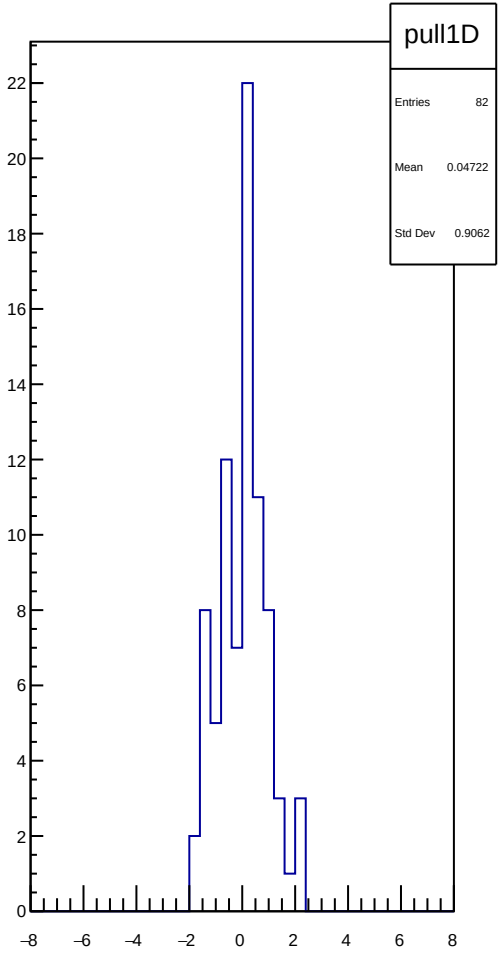

pull1D
Entries 82
Mean 0.0145
Std Dev 0.8662

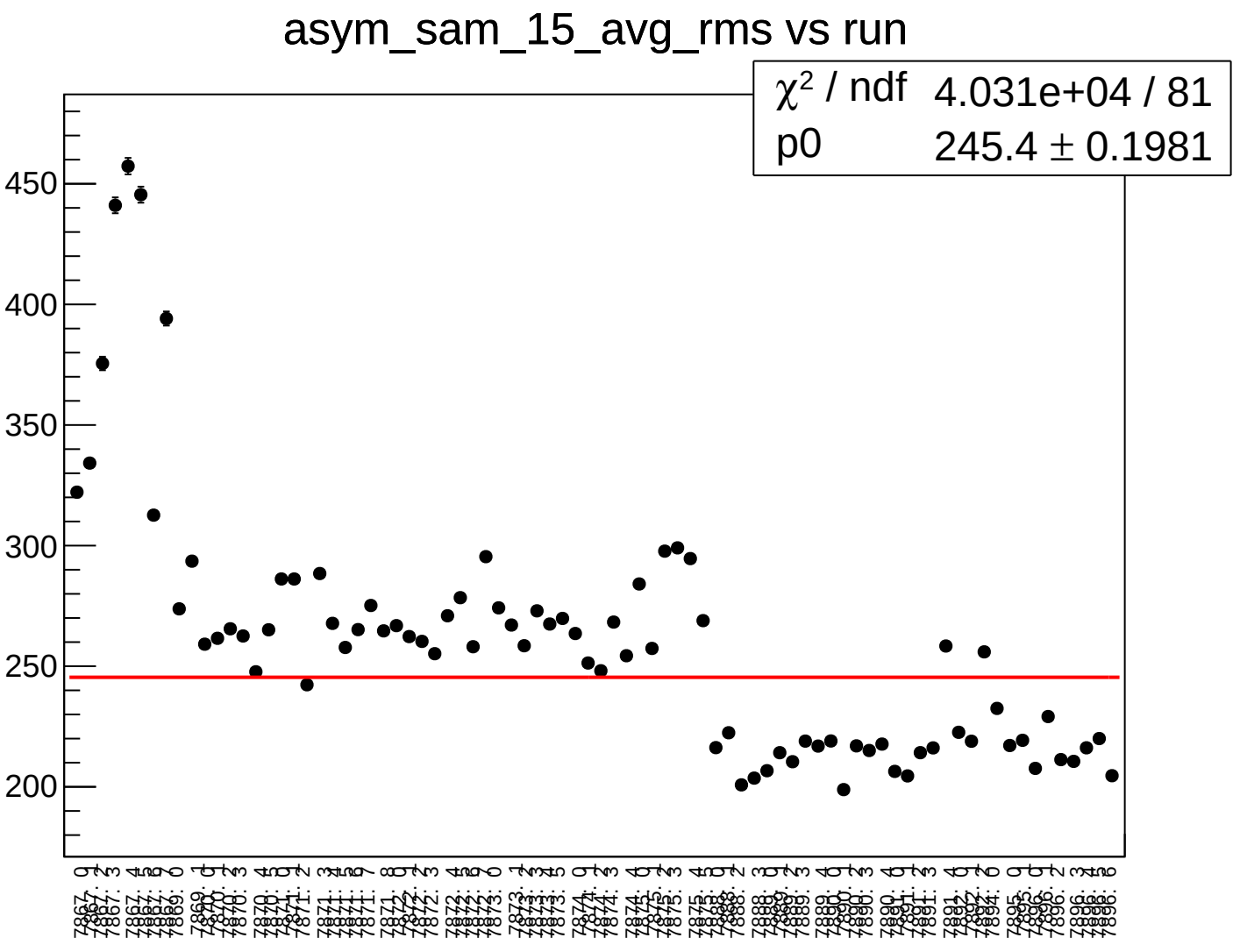

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2.652e+04 / 81
p0 78.96 ± 0.06345
140
130
120
110
100
90
80
70

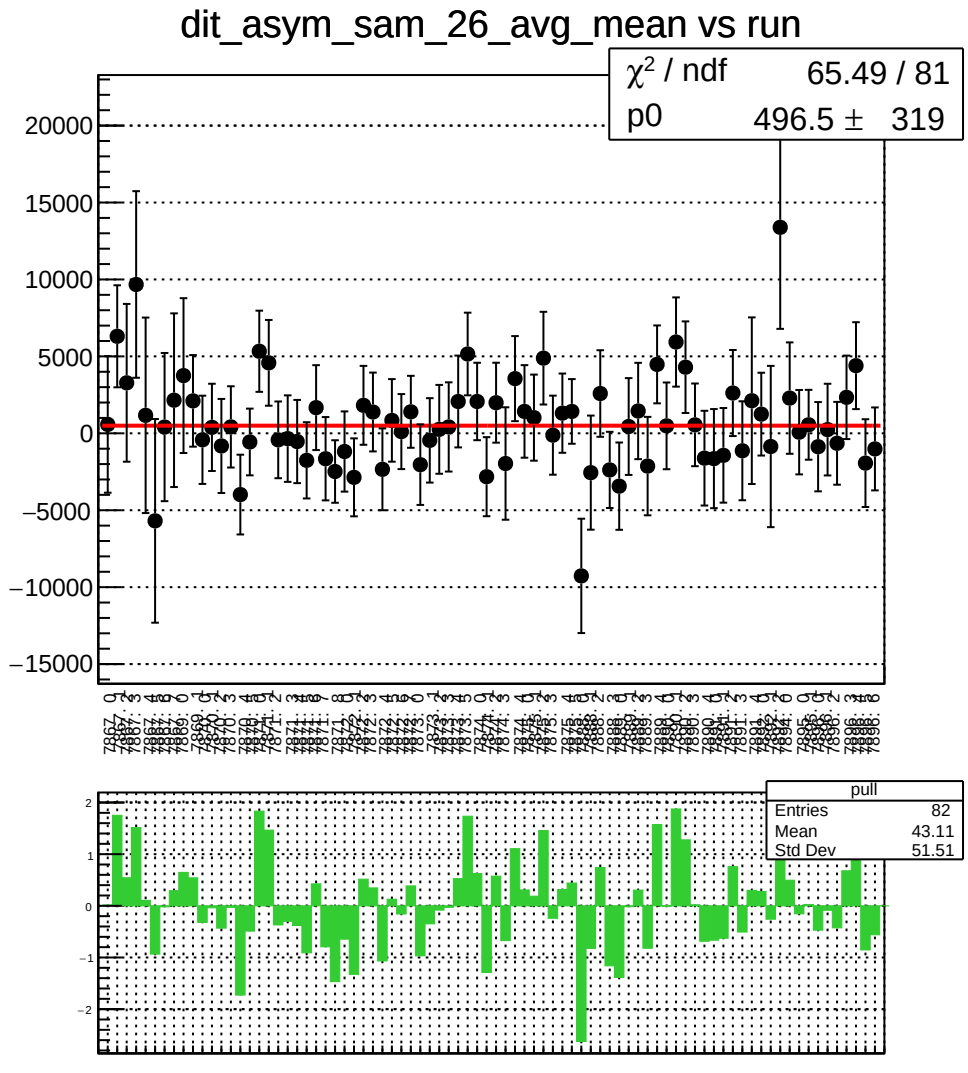

asym_sam_15_avg_correction_mean vs run
χ² / ndf 73.23 / 81
p0 109.2 ± 265.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −29.85
Std Dev 54.61
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.05102
Std Dev 0.9436
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

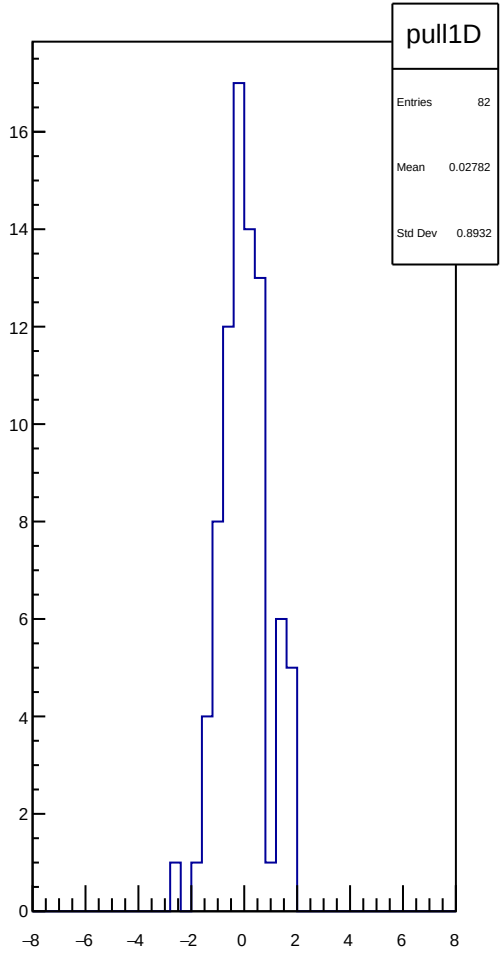

asym_sam_15_avg_correction_rms vs run
χ² / ndf 4.664e+04 / 81
p0 231.9 ± 0.1875
450
400
350
300
250
200

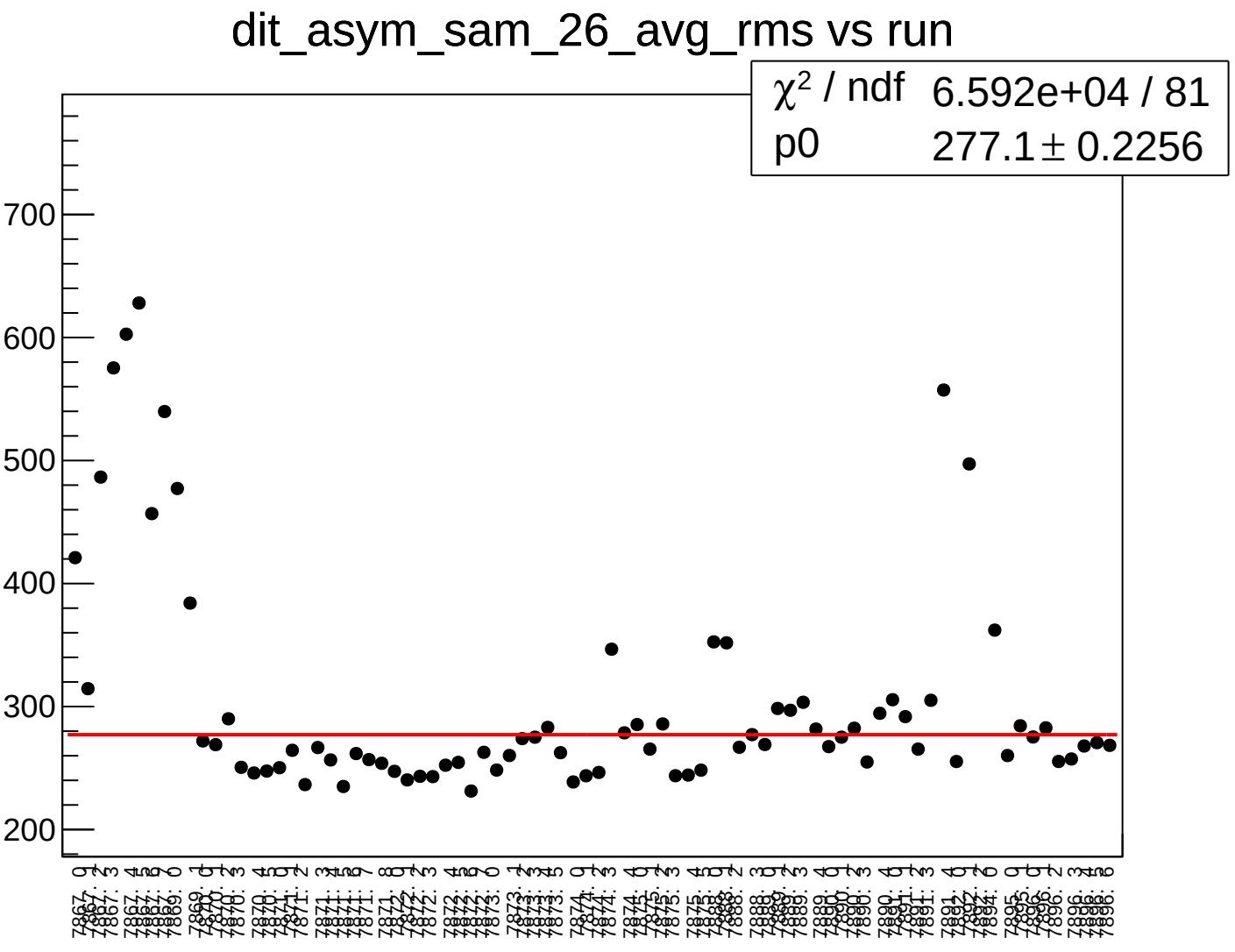

asym_sam_15_avg_mean vs run
χ² / ndf 67.52 / 81
p0 128.7 ± 280.1
pull
Entries 82
Mean −27.42
Std Dev 46.27

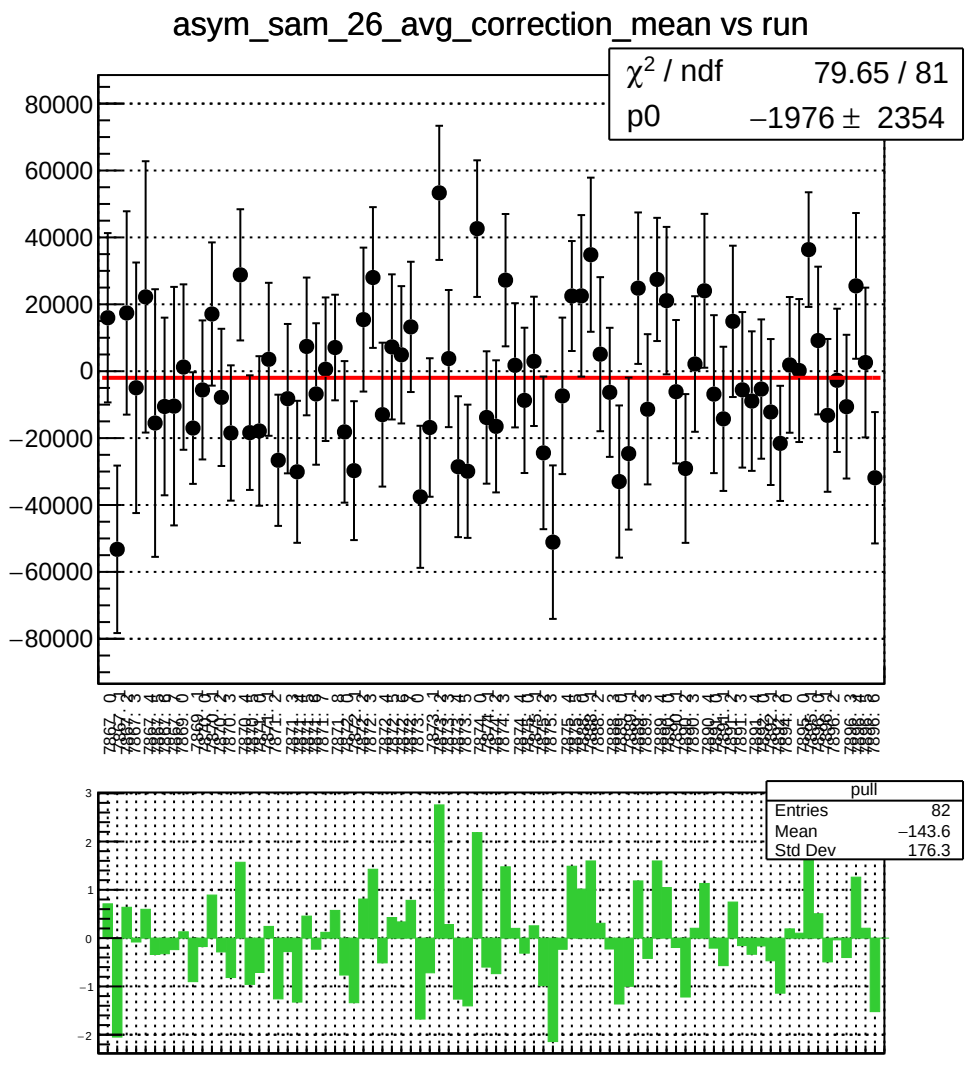

pull1D
Entries 82
Mean 0.04722
Std Dev 0.9062

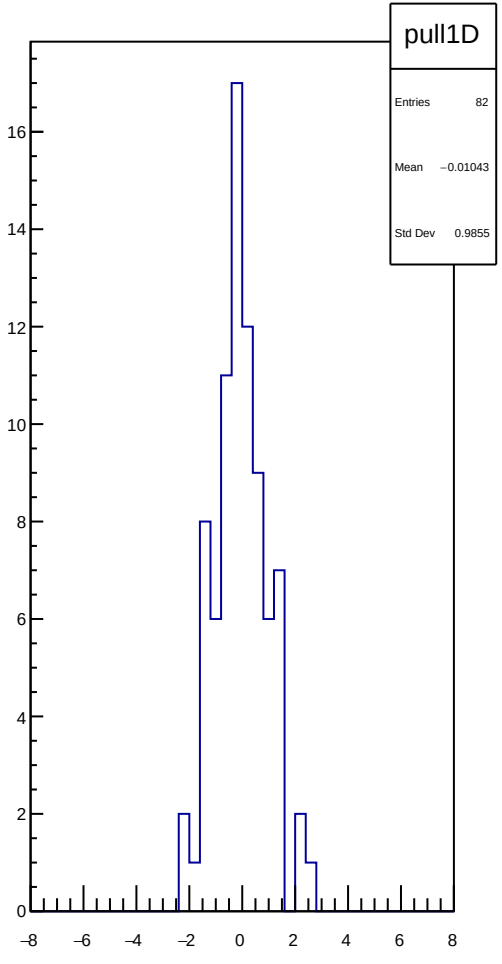

asym_sam_15_avg_rms vs run
χ² / ndf 4.031e+04 / 81
p0 245.4 ± 0.1981
450
400
350
300
250
200

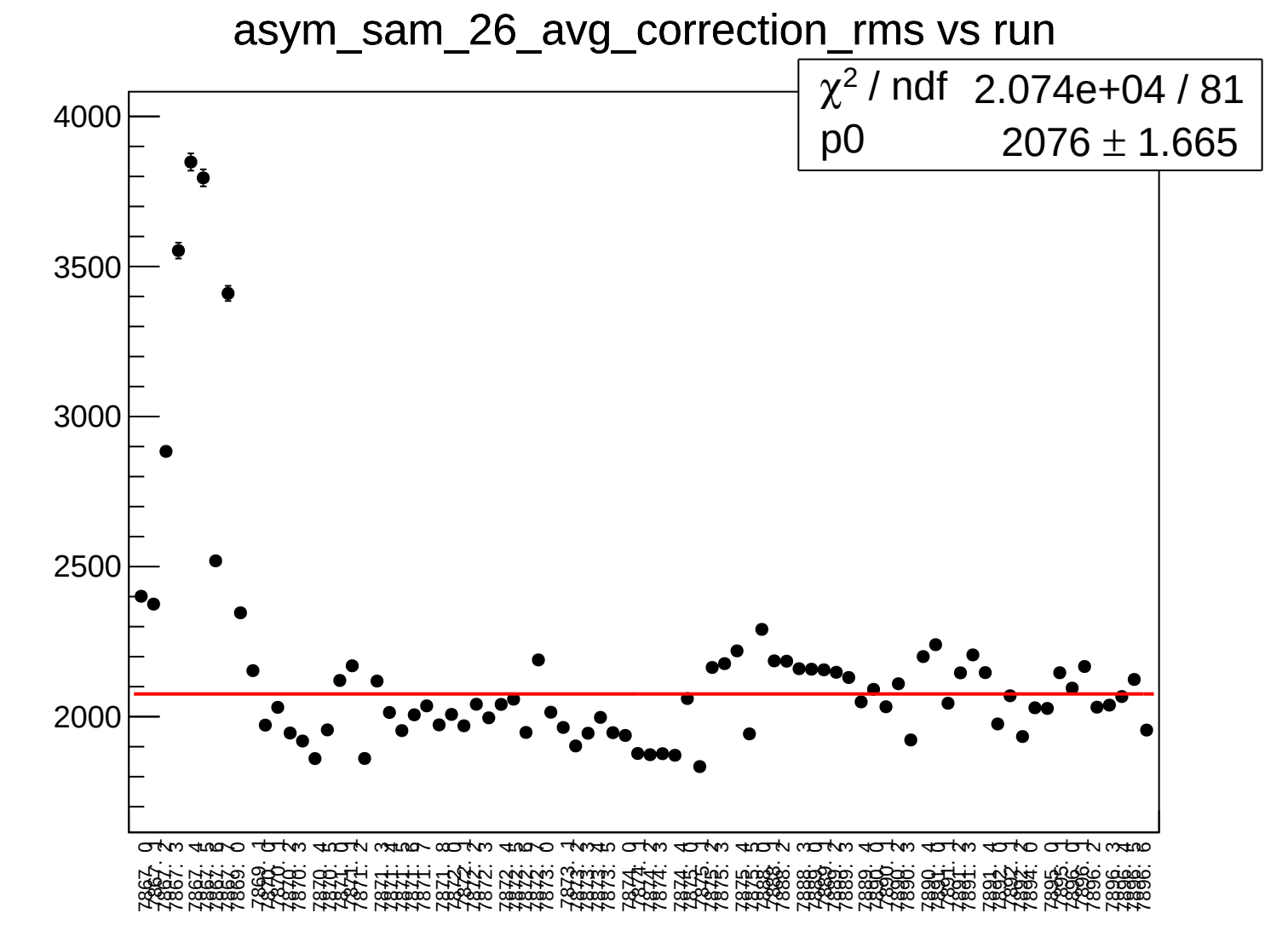

dit_asym_sam_26_avg_mean vs run
χ² / ndf 65.49 / 81
p0 496.5 ± 319
pull
Entries 82
Mean 43.11
Std Dev 51.51

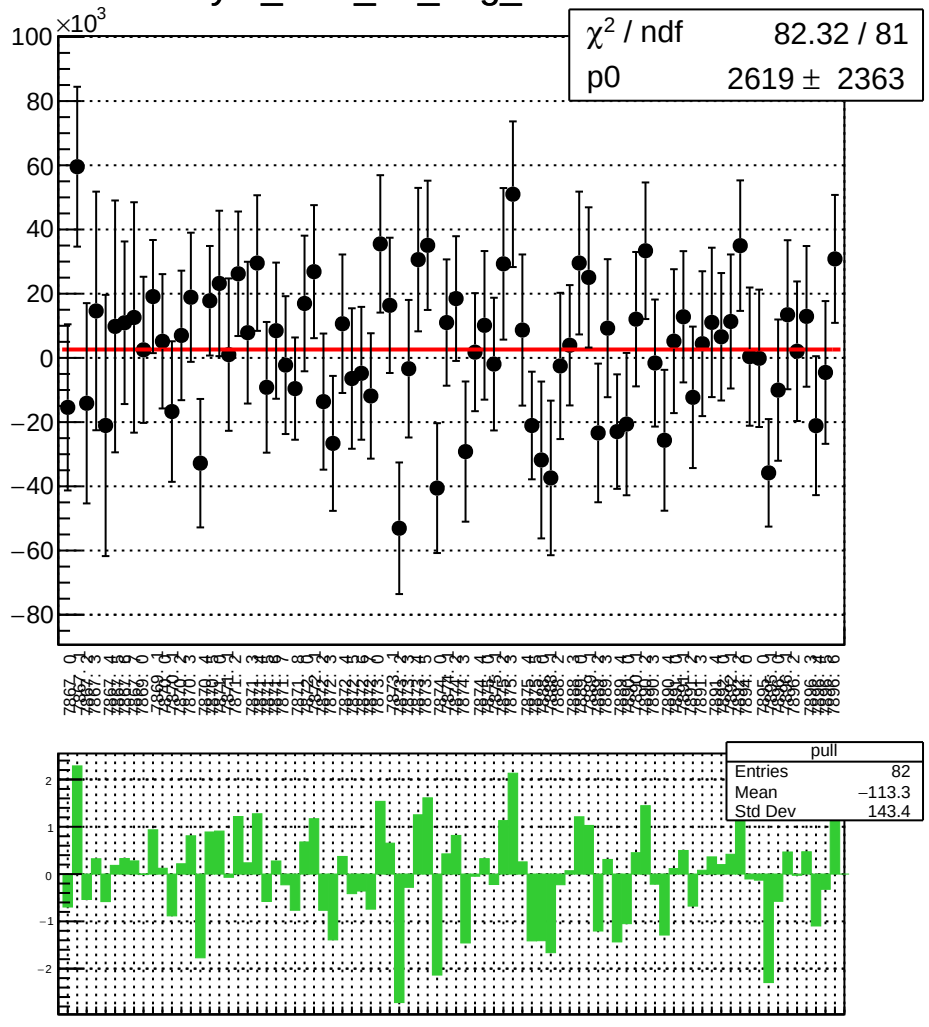

pull1D
Entries 82
Mean 0.02782
Std Dev 0.8932

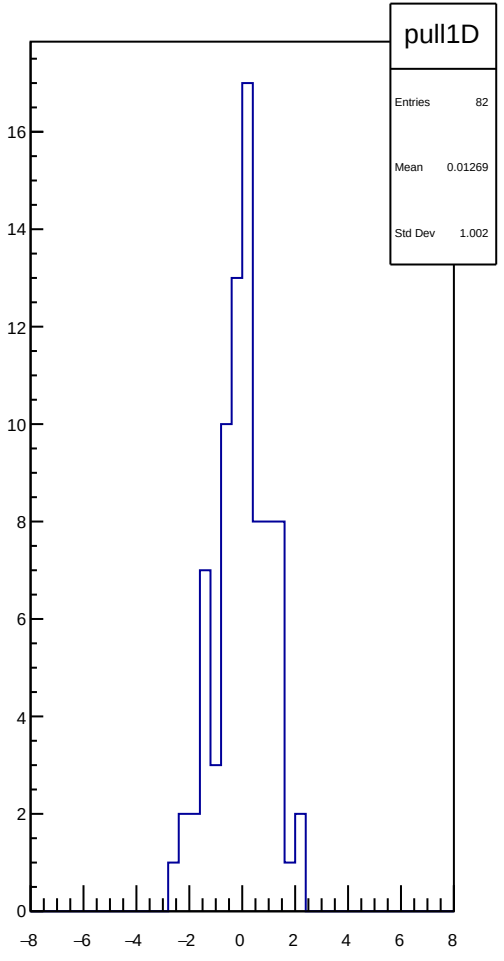

dit_asym_sam_26_avg_rms vs run
χ² / ndf 6.592e+04 / 81
p0 277.1 ± 0.2256
700
600
500
400
300
200

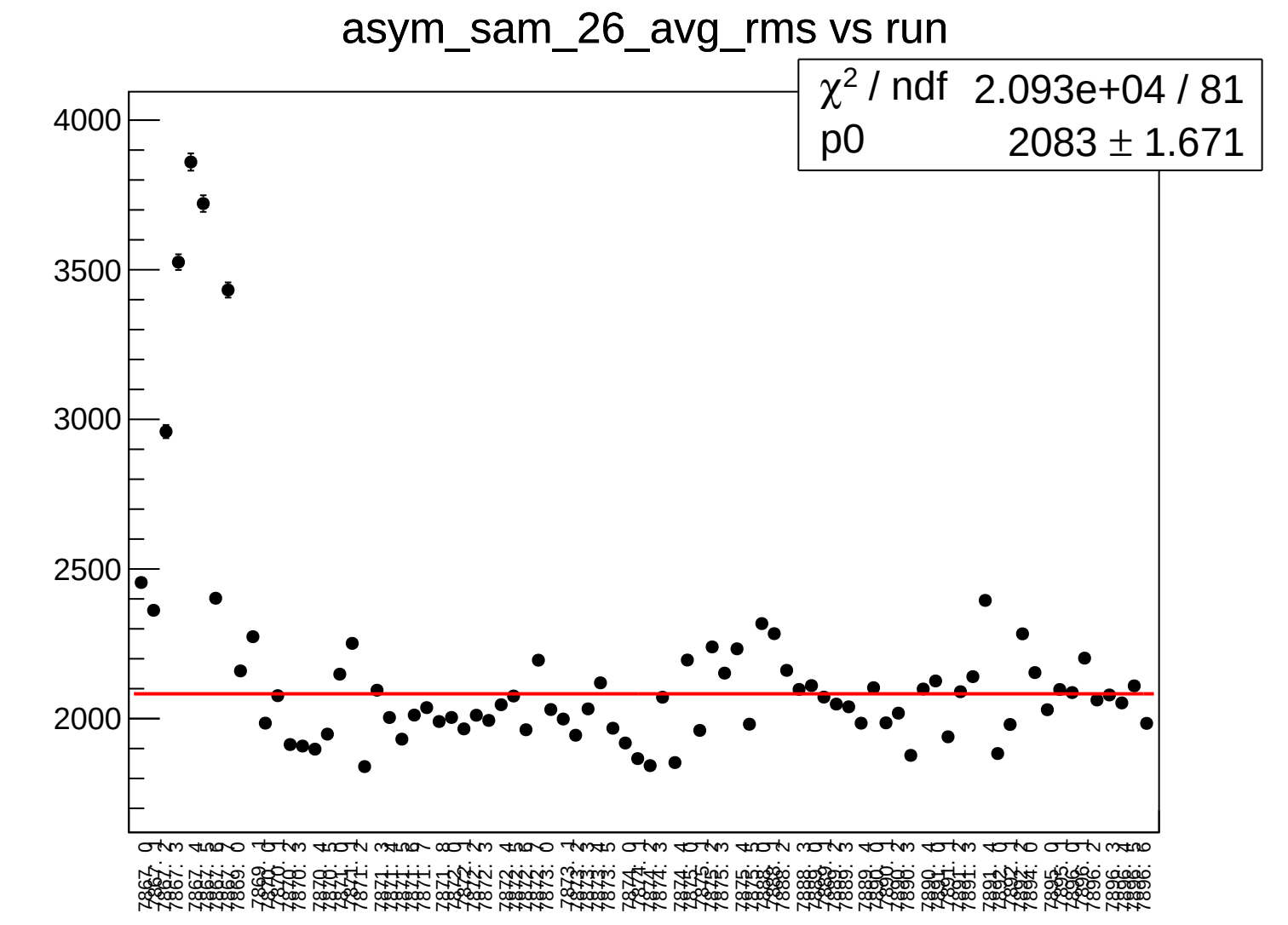

asym_sam_26_avg_correction_mean vs run
χ² / ndf 79.65 / 81
p0 −1976 ± 2354
pull
Entries 82
Mean −143.6
Std Dev 176.3

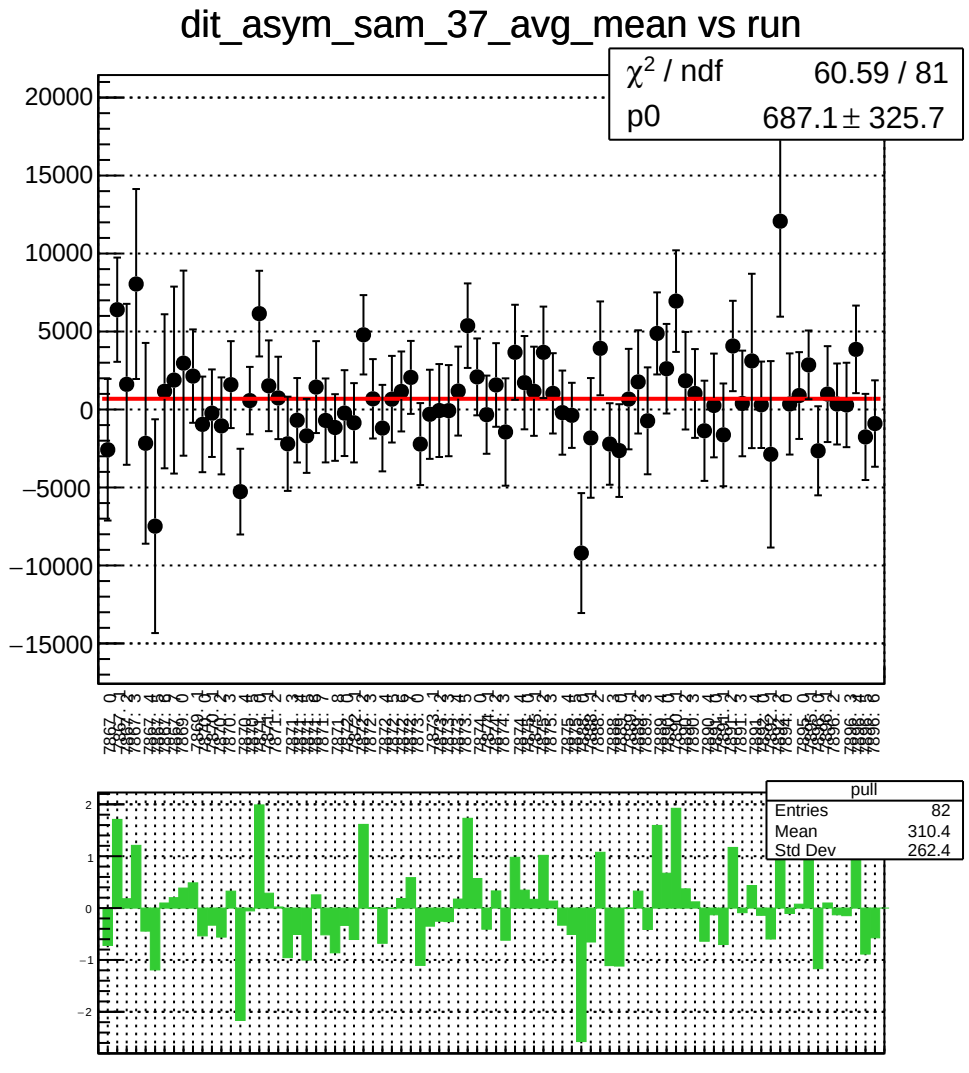

pull1D
Entries 82
Mean −0.01043
Std Dev 0.9855

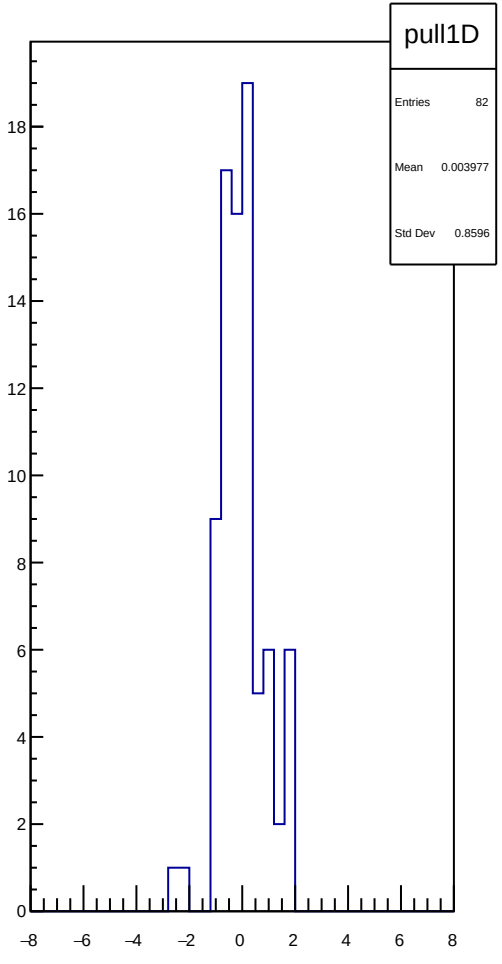

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2.074e+04 / 81
p0 2076 ± 1.665
4000
3500
3000
2500
2000

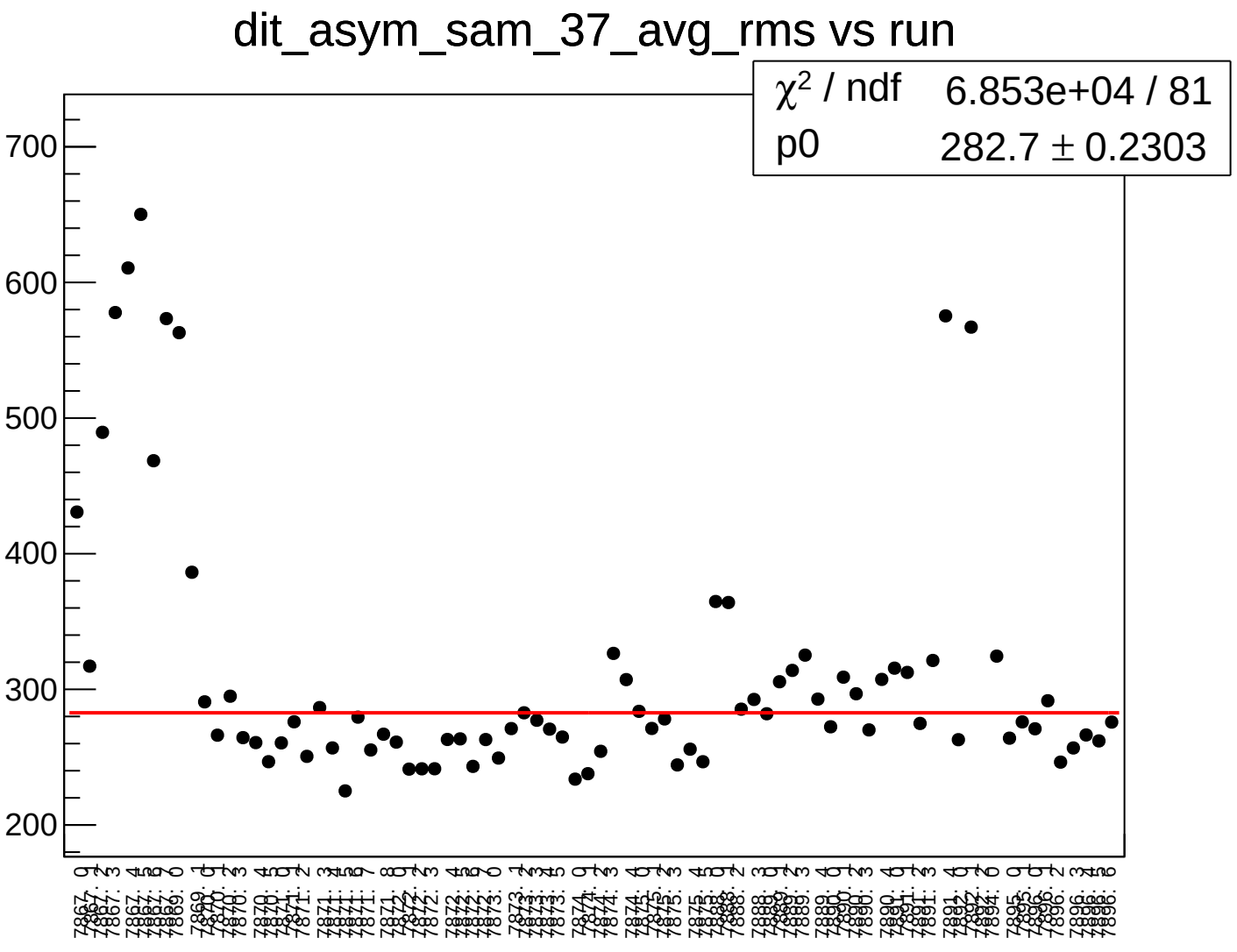

asym_sam_26_avg_mean vs run
χ² / ndf 82.32 / 81
p0 2619 ± 2363
×10³
pull
Entries 82
Mean −113.3
Std Dev 143.4

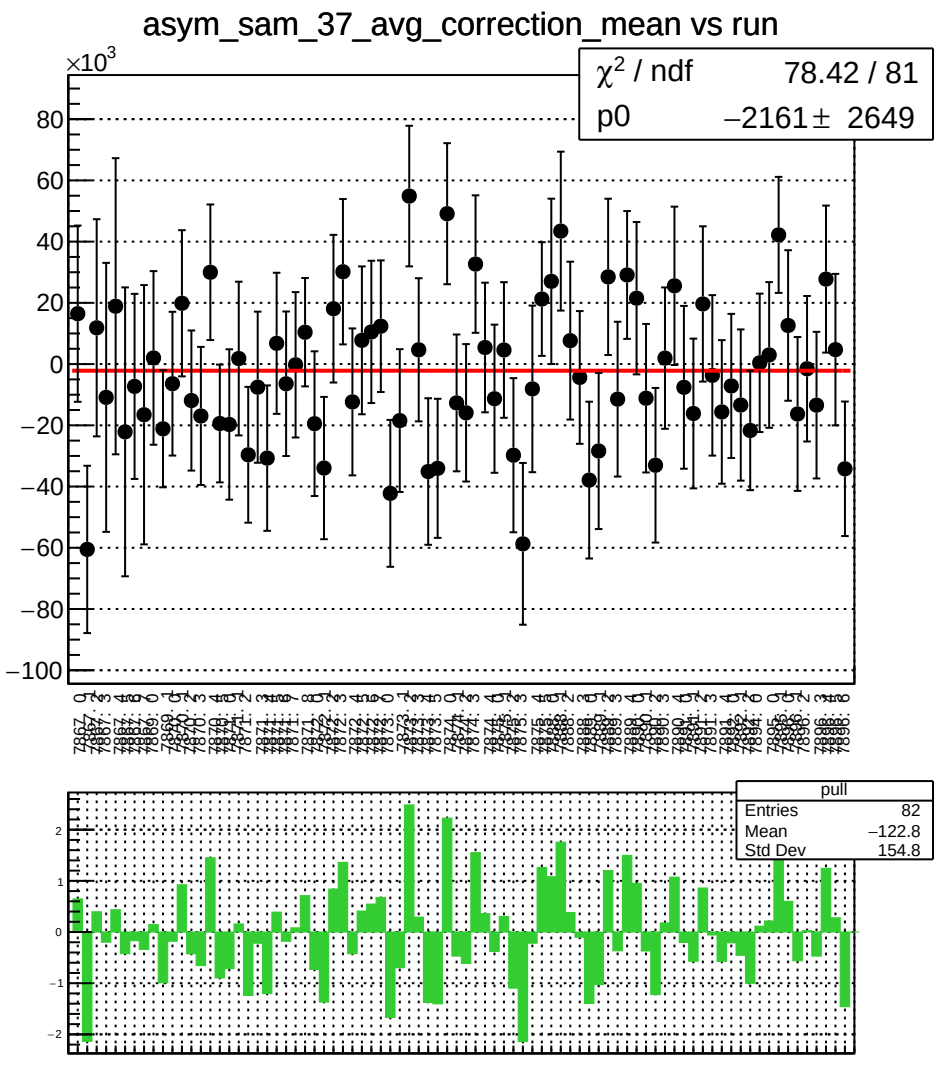

pull1D
Entries 82
Mean 0.01269
Std Dev 1.002

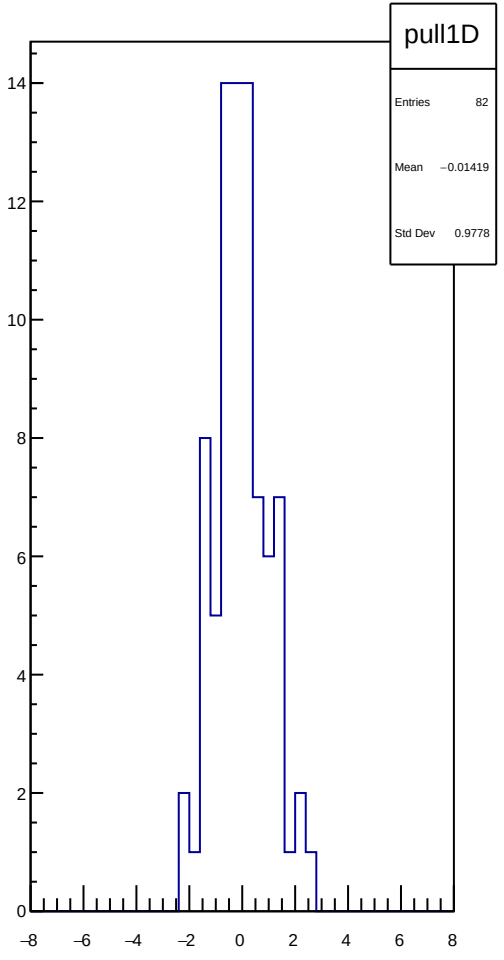

asym_sam_26_avg_rms vs run
χ^2 / ndf 2.093e+04 / 81
p0 2083 ± 1.671
4000
3500
3000
2500
2000

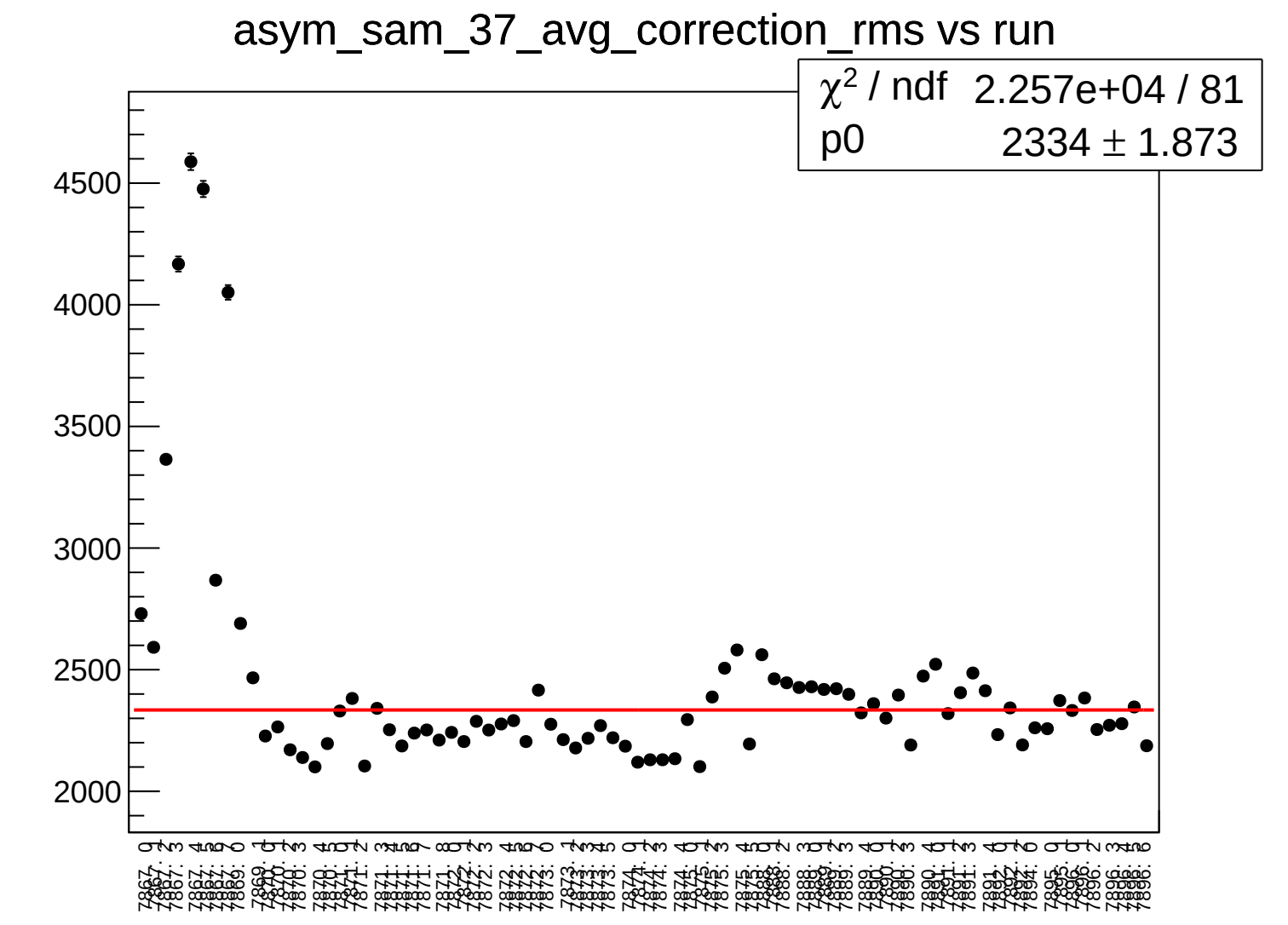

dit_asym_sam_37_avg_mean vs run
χ² / ndf 60.59 / 81
p0 687.1 ± 325.7
pull
Entries 82
Mean 310.4
Std Dev 262.4

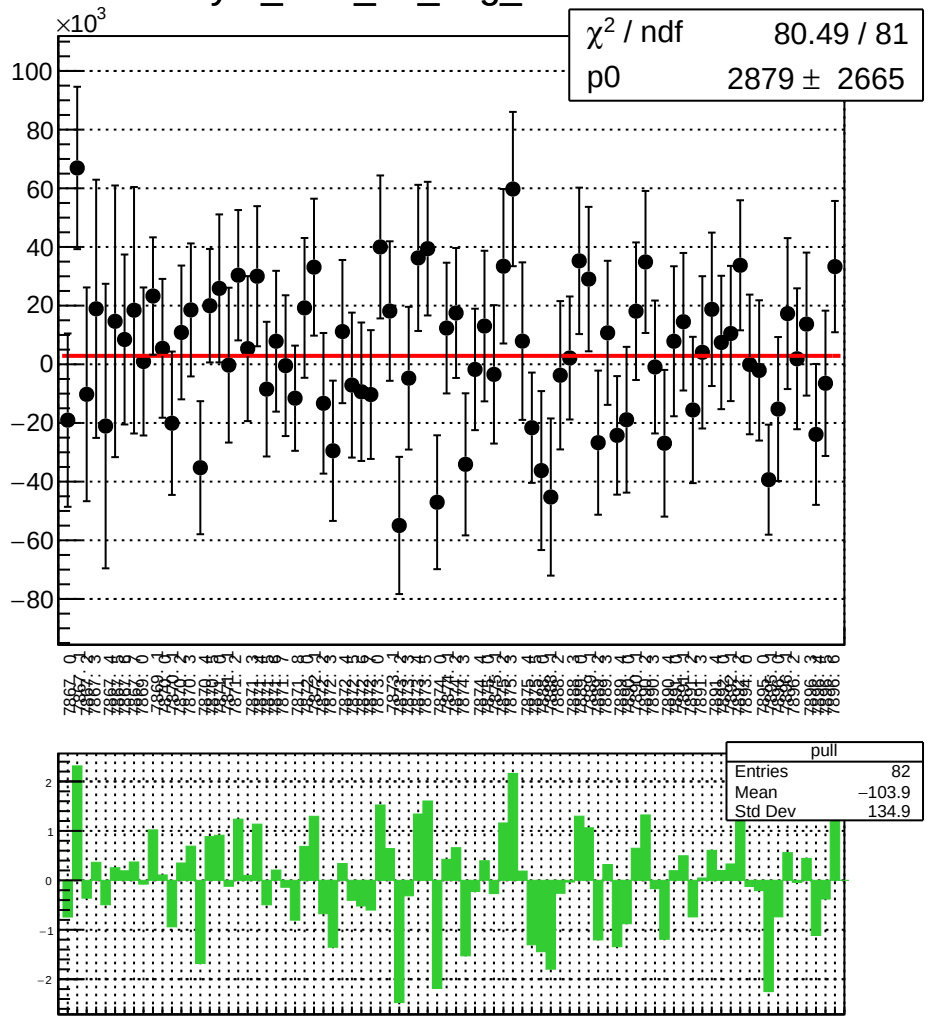

pull1D
Entries 82
Mean 0.003977
Std Dev 0.8596

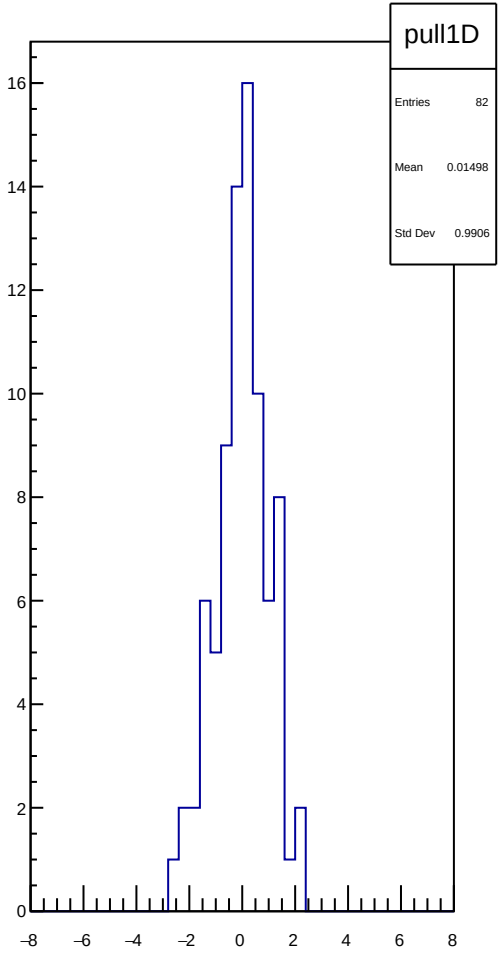

dit_asym_sam_37_avg_rms vs run
χ² / ndf 6.853e+04 / 81
p0 282.7 ± 0.2303
700
600
500
400
300
200

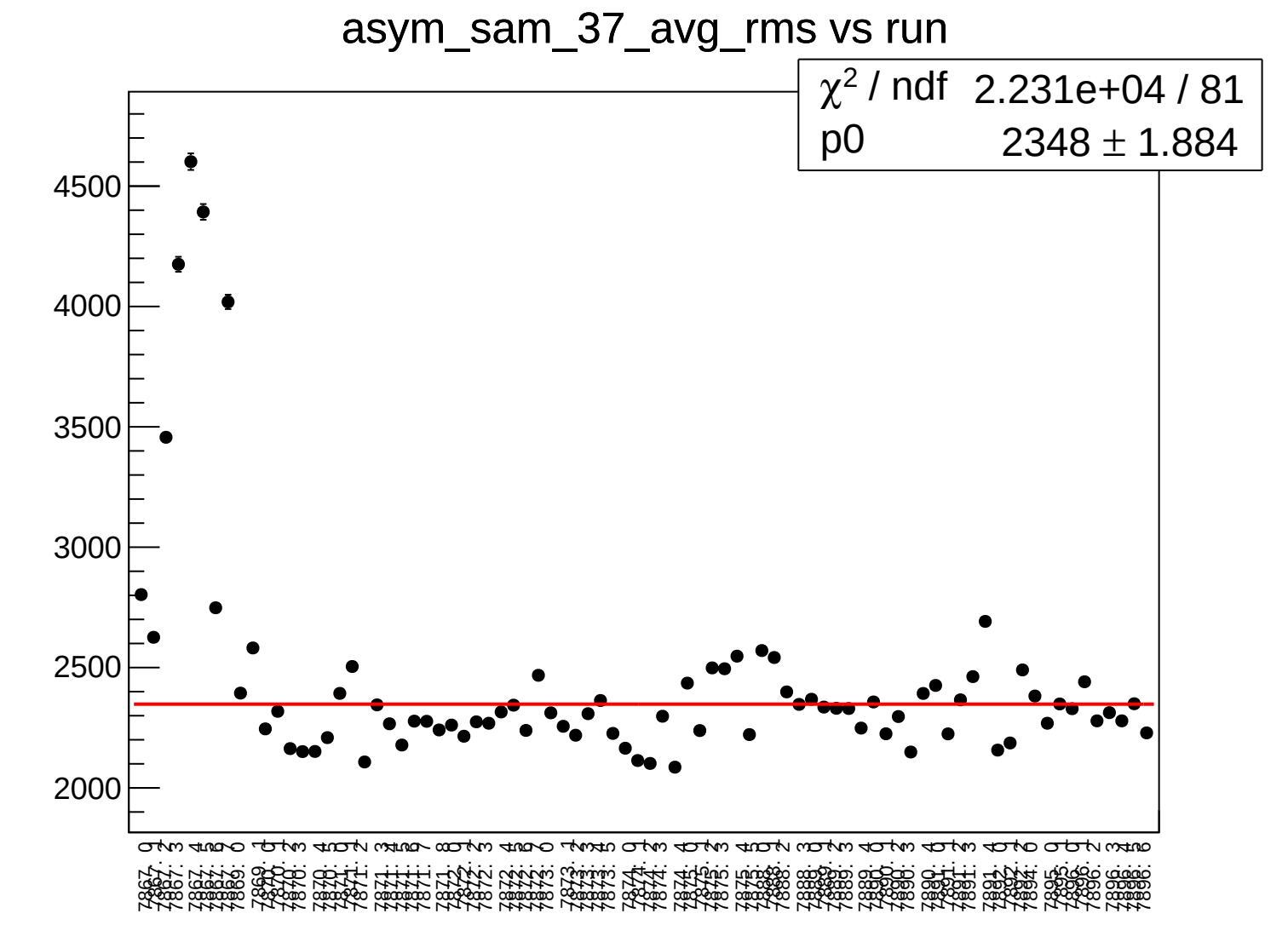

asym_sam_37_avg_correction_mean vs run
χ² / ndf 78.42 / 81
p0 −2161 ± 2649
×10³
pull
Entries 82
Mean −122.8
Std Dev 154.8

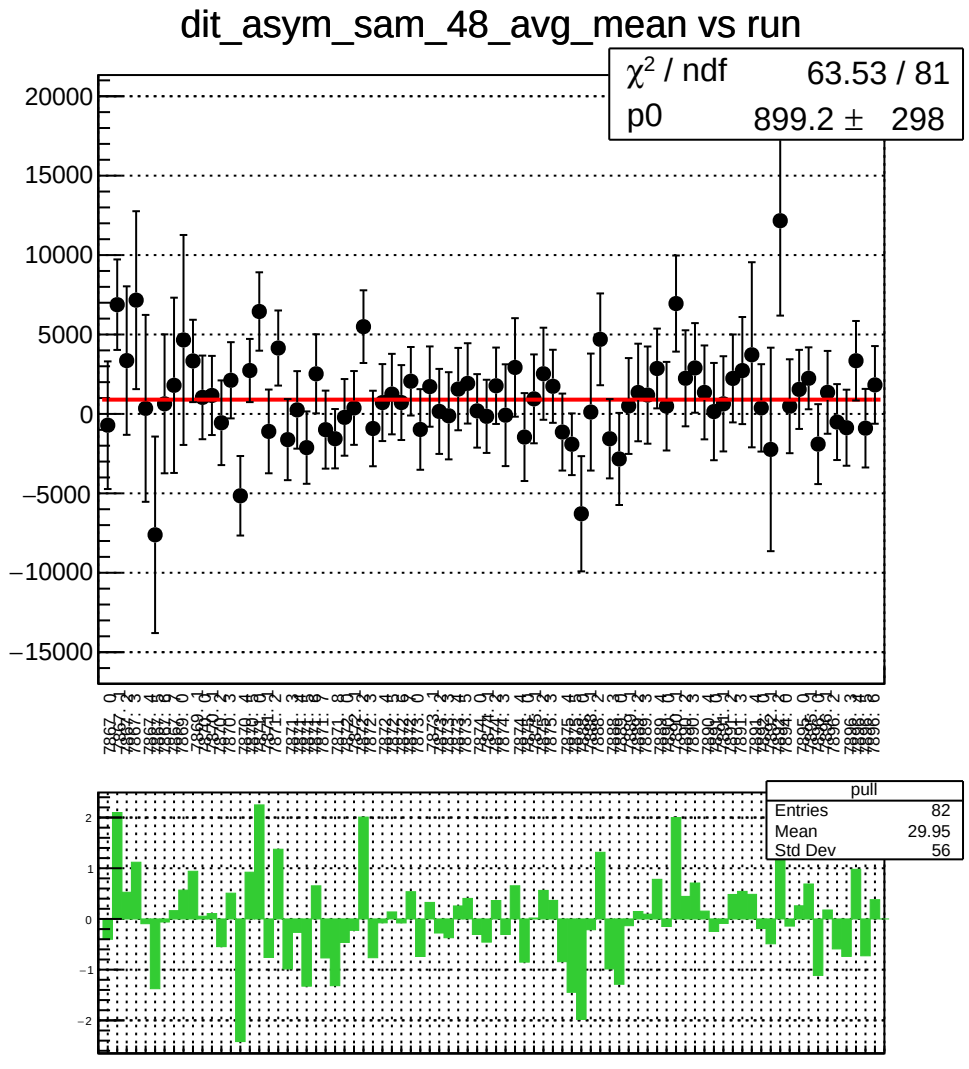

pull1D
Entries 82
Mean −0.01419
Std Dev 0.9778

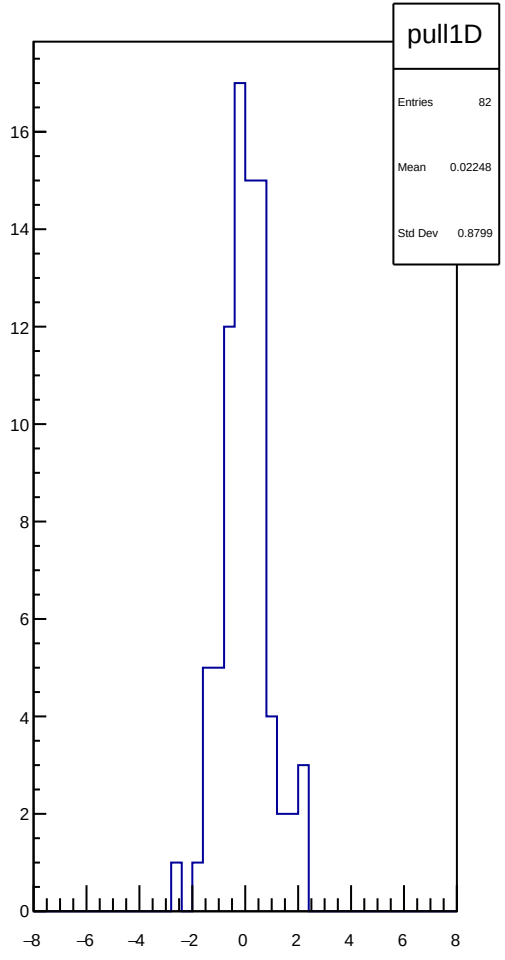

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2.257e+04 / 81
p0 2334 ± 1.873
4500
4000
3500
3000
2500
2000

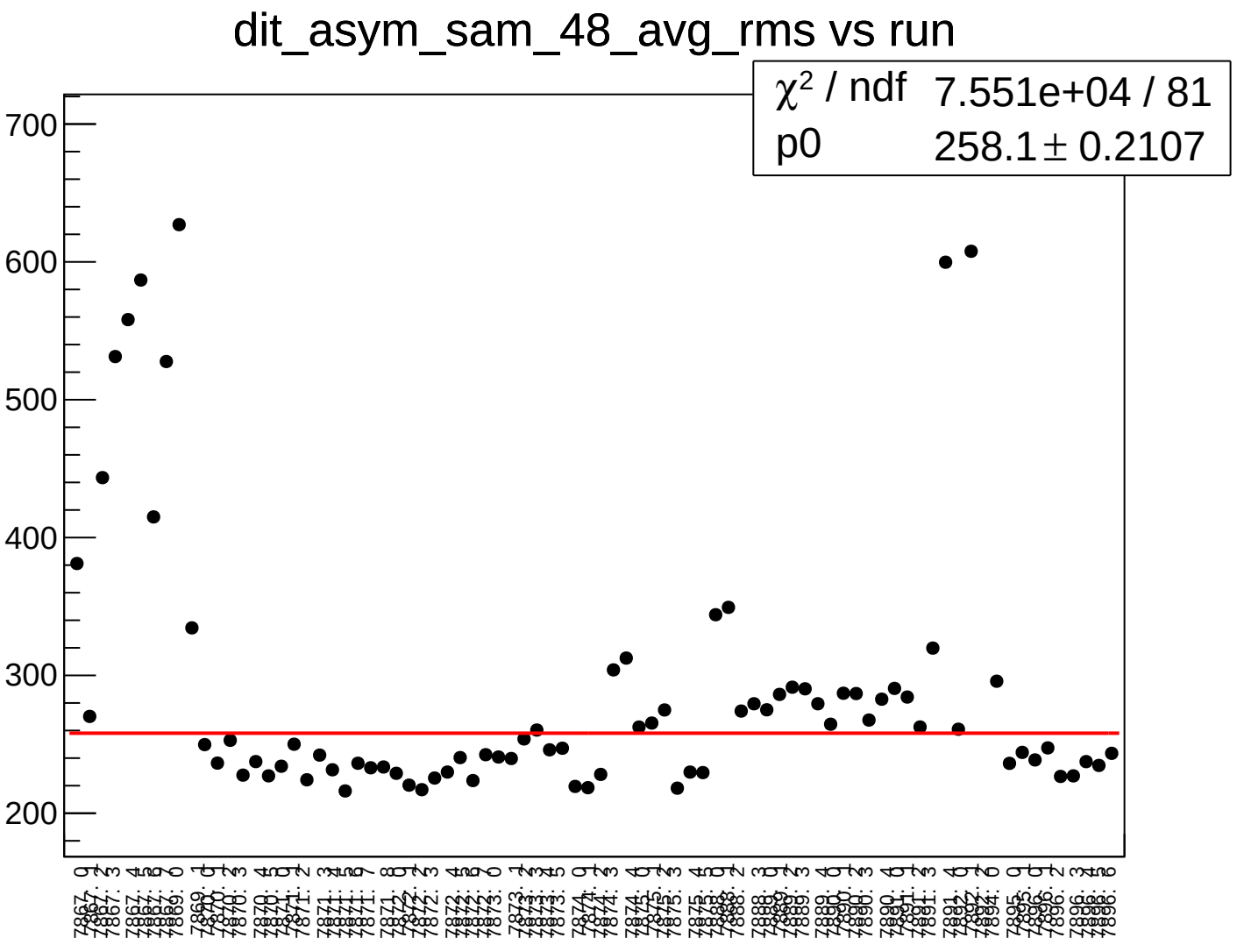

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 80.49 / 81
p0 2879 ± 2665
pull
Entries 82
Mean −103.9
Std Dev 134.9

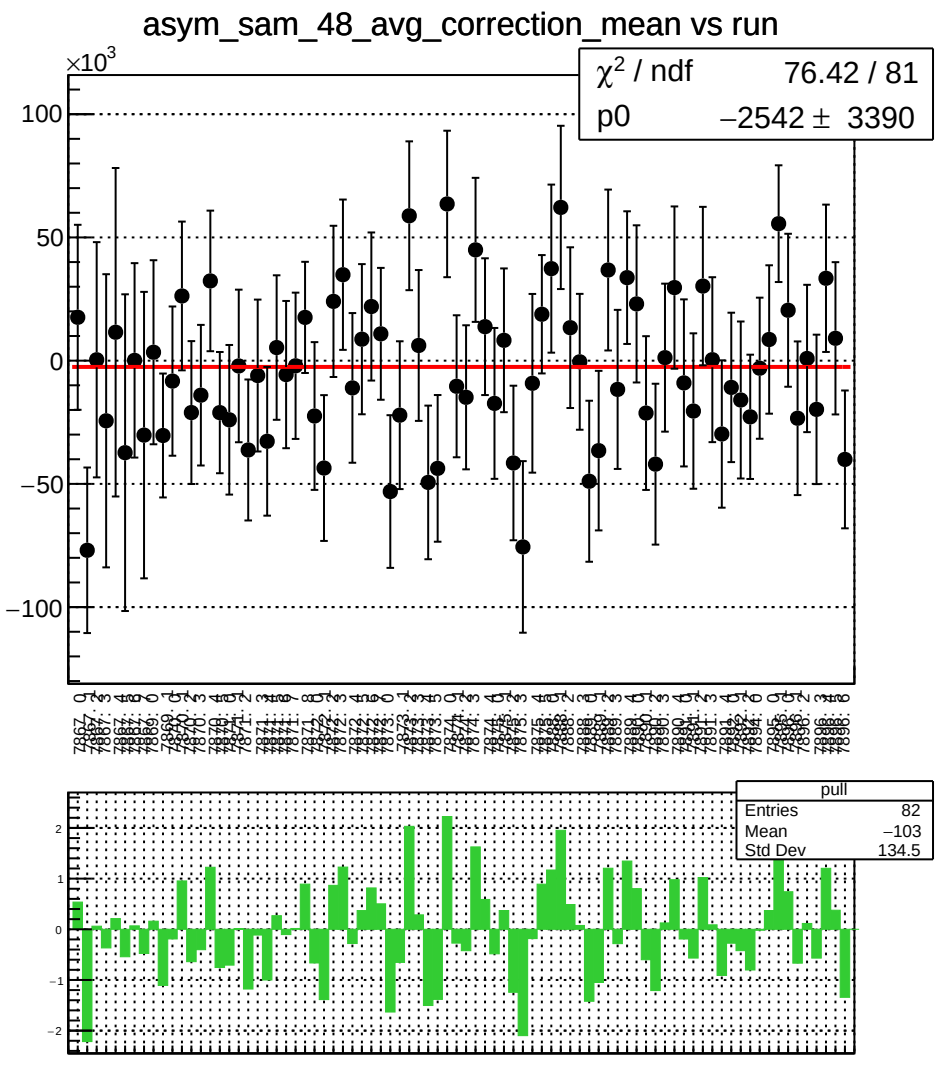

pull1D
Entries 82
Mean 0.01498
Std Dev 0.9906

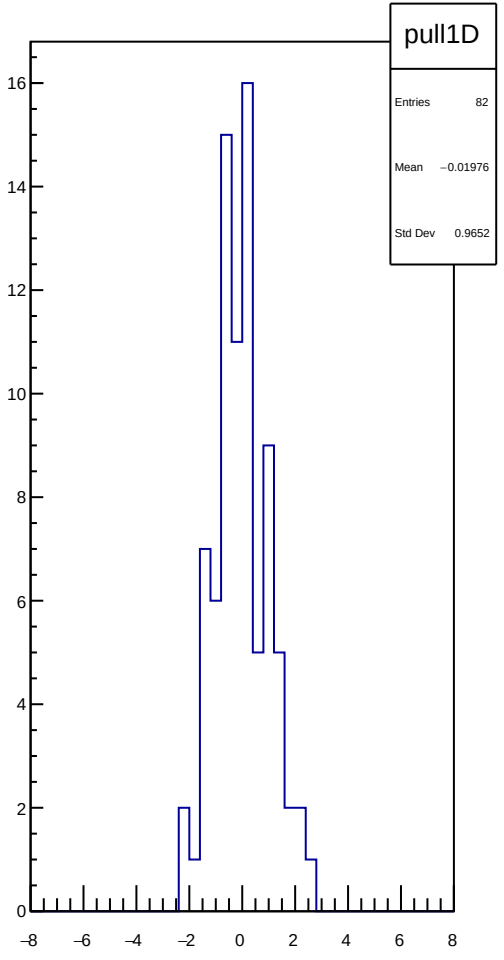

asym_sam_37_avg_rms vs run
χ^2 / ndf 2.231e+04 / 81
p0 2348 ± 1.884
4500
4000
3500
3000
2500
2000

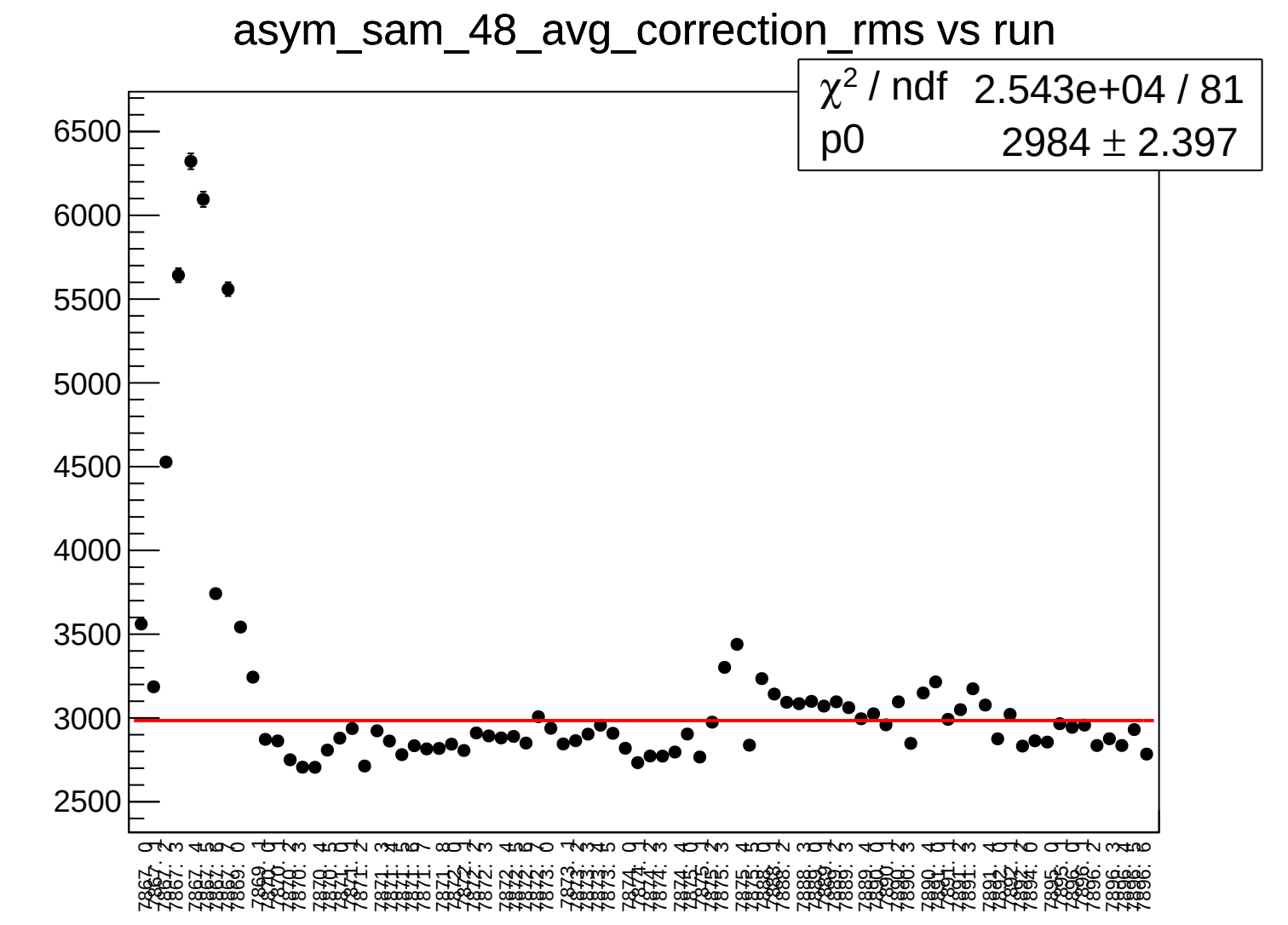

dit_asym_sam_48_avg_mean vs run
χ² / ndf 63.53 / 81
p0 899.2 ± 298
pull
Entries 82
Mean 29.95
Std Dev 56

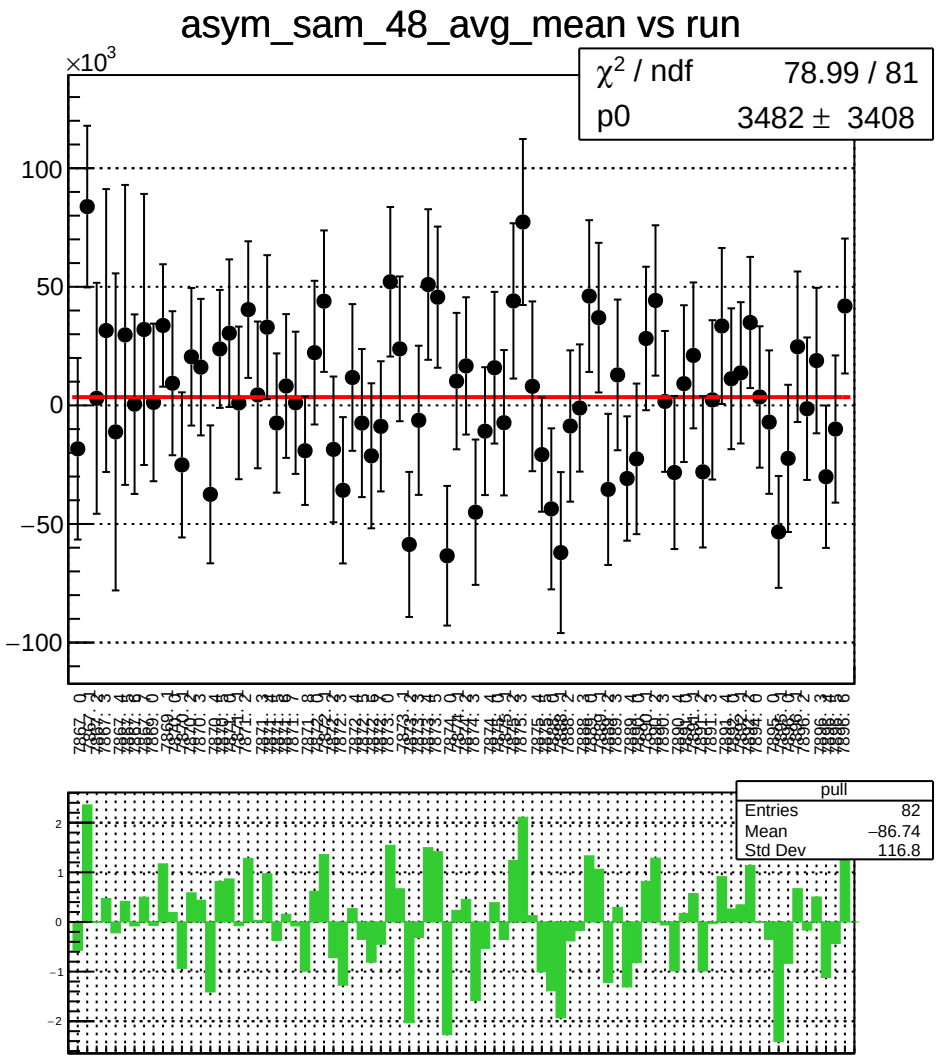

pull1D
Entries 82
Mean 0.02248
Std Dev 0.8799

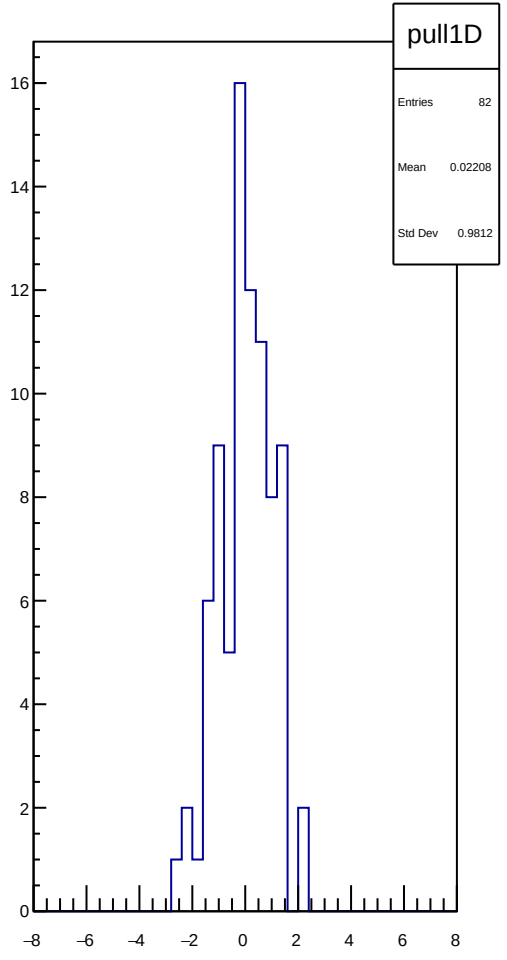

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 7.551e+04 / 81
p0 258.1 ± 0.2107
700
600
500
400
300
200

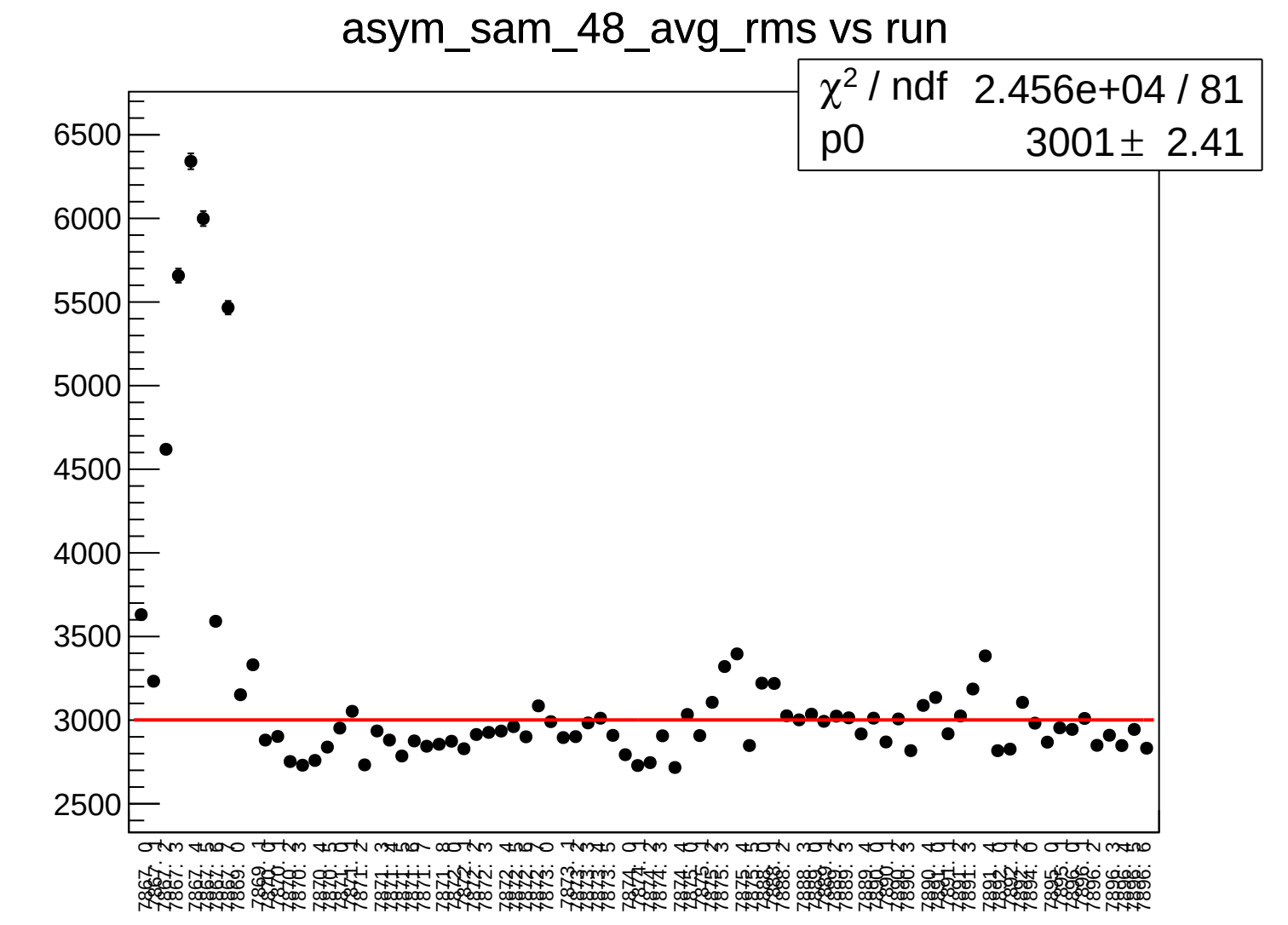

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 76.42 / 81
p0 −2542 ± 3390
pull
Entries 82
Mean −103
Std Dev 134.5

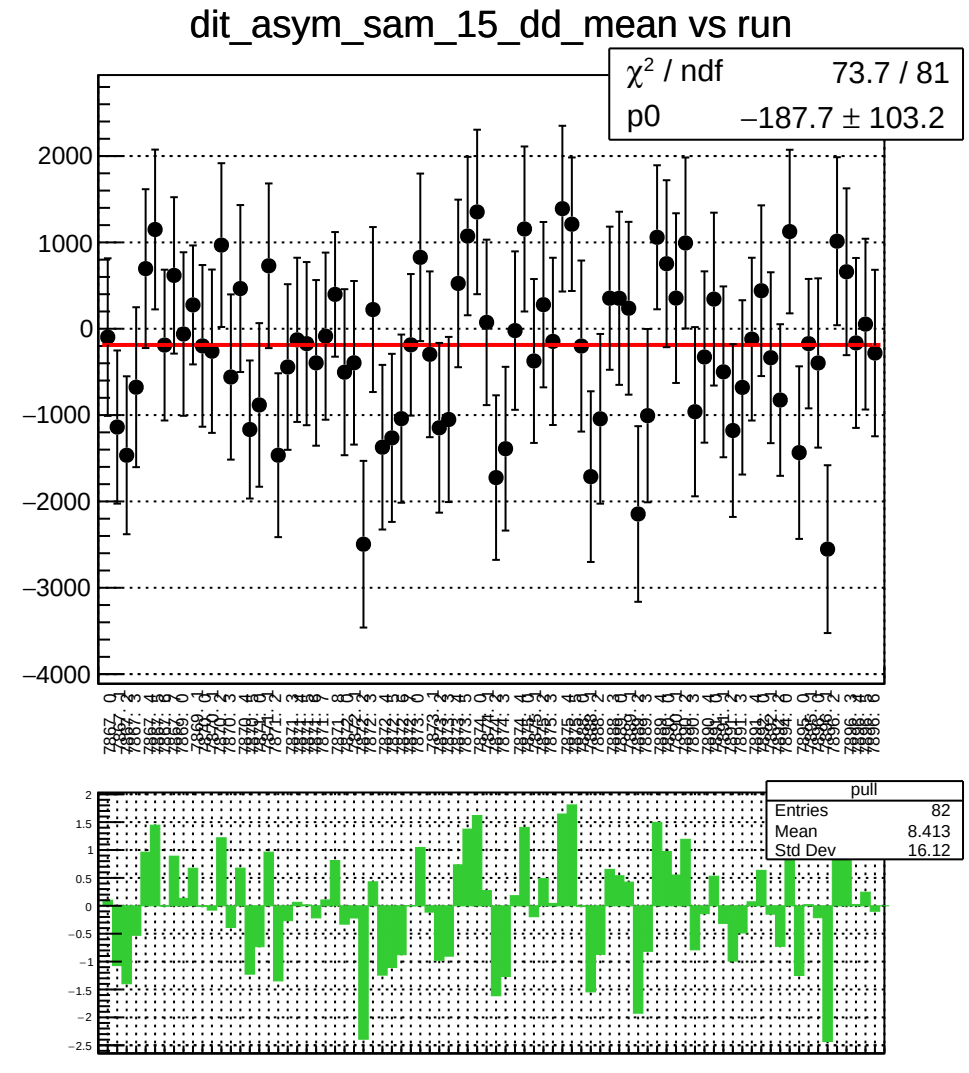

pull1D
Entries 82
Mean −0.01976
Std Dev 0.9652

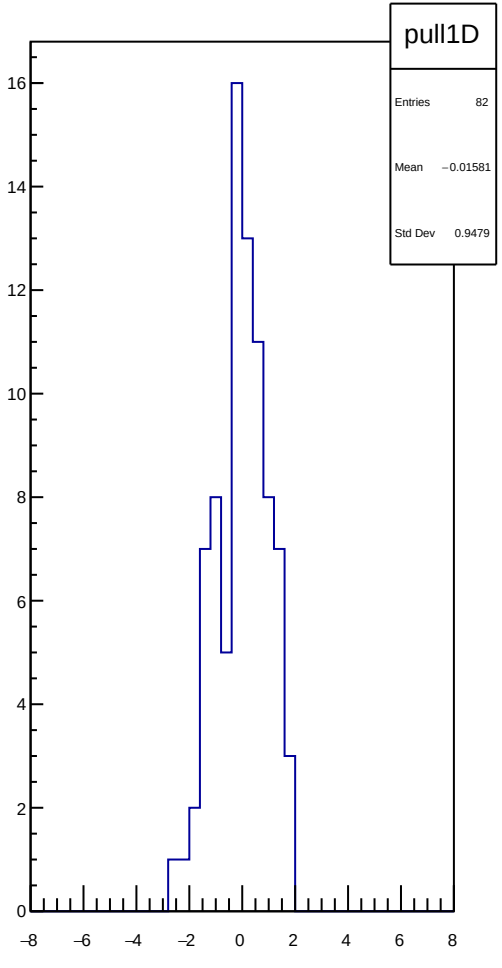

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2.543e+04 / 81
p0 2984 ± 2.397
6500
6000
5500
5000
4500
4000
3500
3000
2500

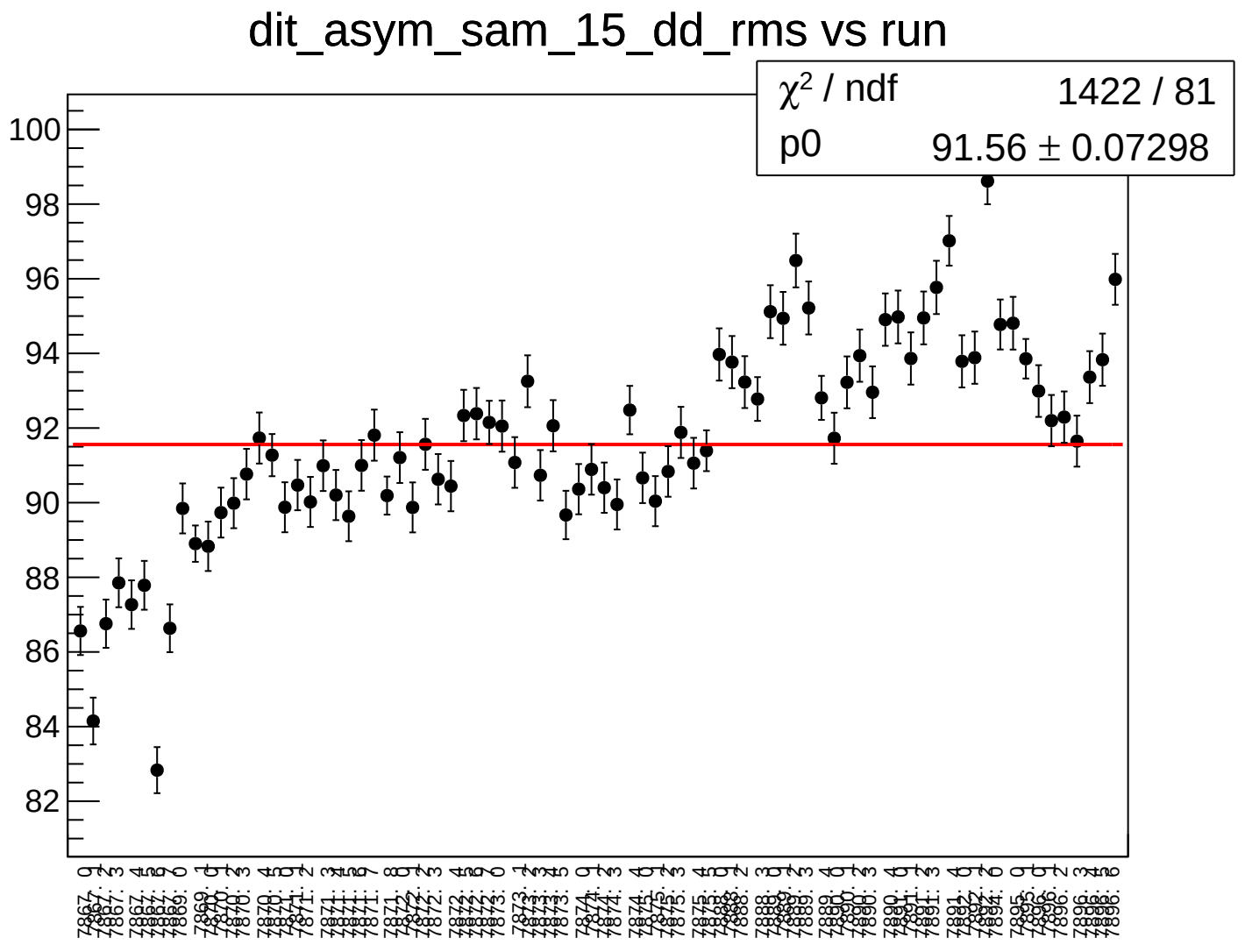

asym_sam_48_avg_mean vs run
χ² / ndf 78.99 / 81
p0 3482 ± 3408
×10³
100
50
0
−50
−100
pull
Entries 82
Mean −86.74
Std Dev 116.8
2
1
0
−1
−2

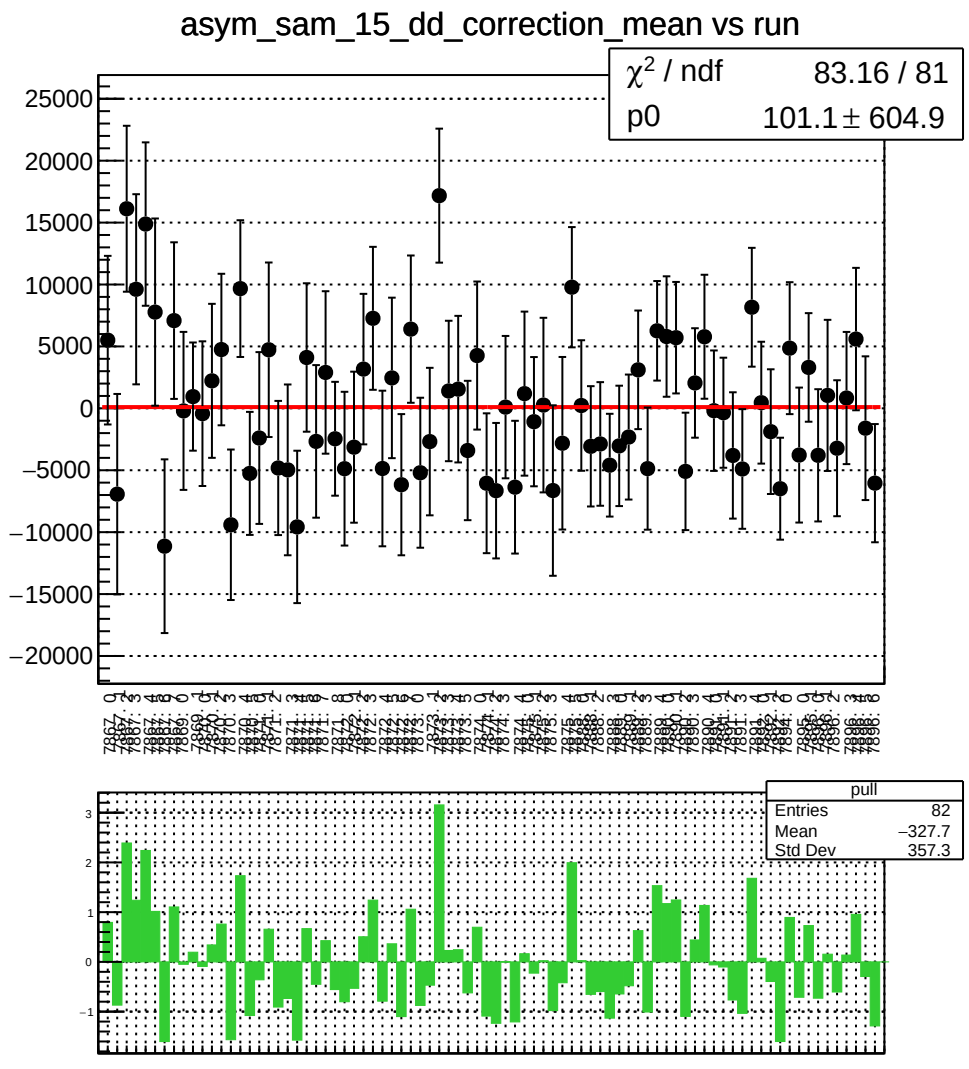

pull1D
Entries 82
Mean 0.02208
Std Dev 0.9812
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

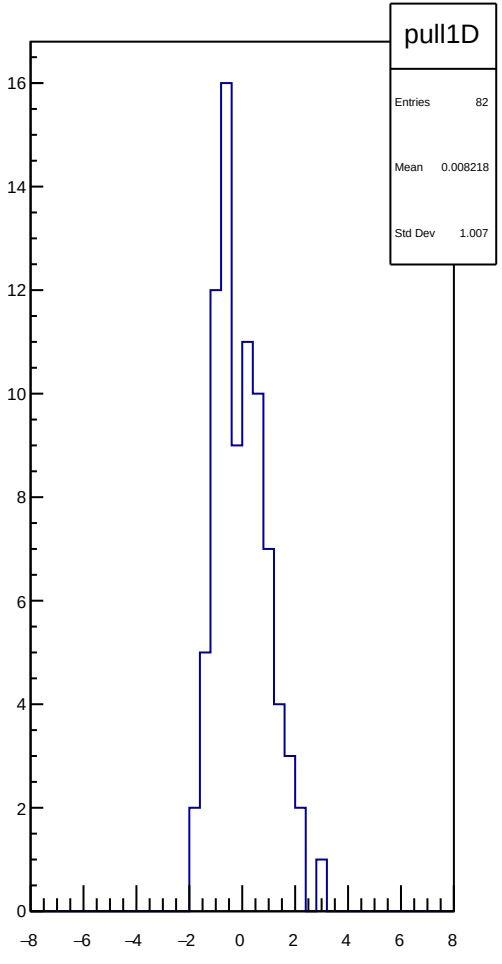

asym_sam_48_avg_rms vs run
χ² / ndf 2.456e+04 / 81
p0 3001 ± 2.41
6500
6000
5500
5000
4500
4000
3500
3000
2500

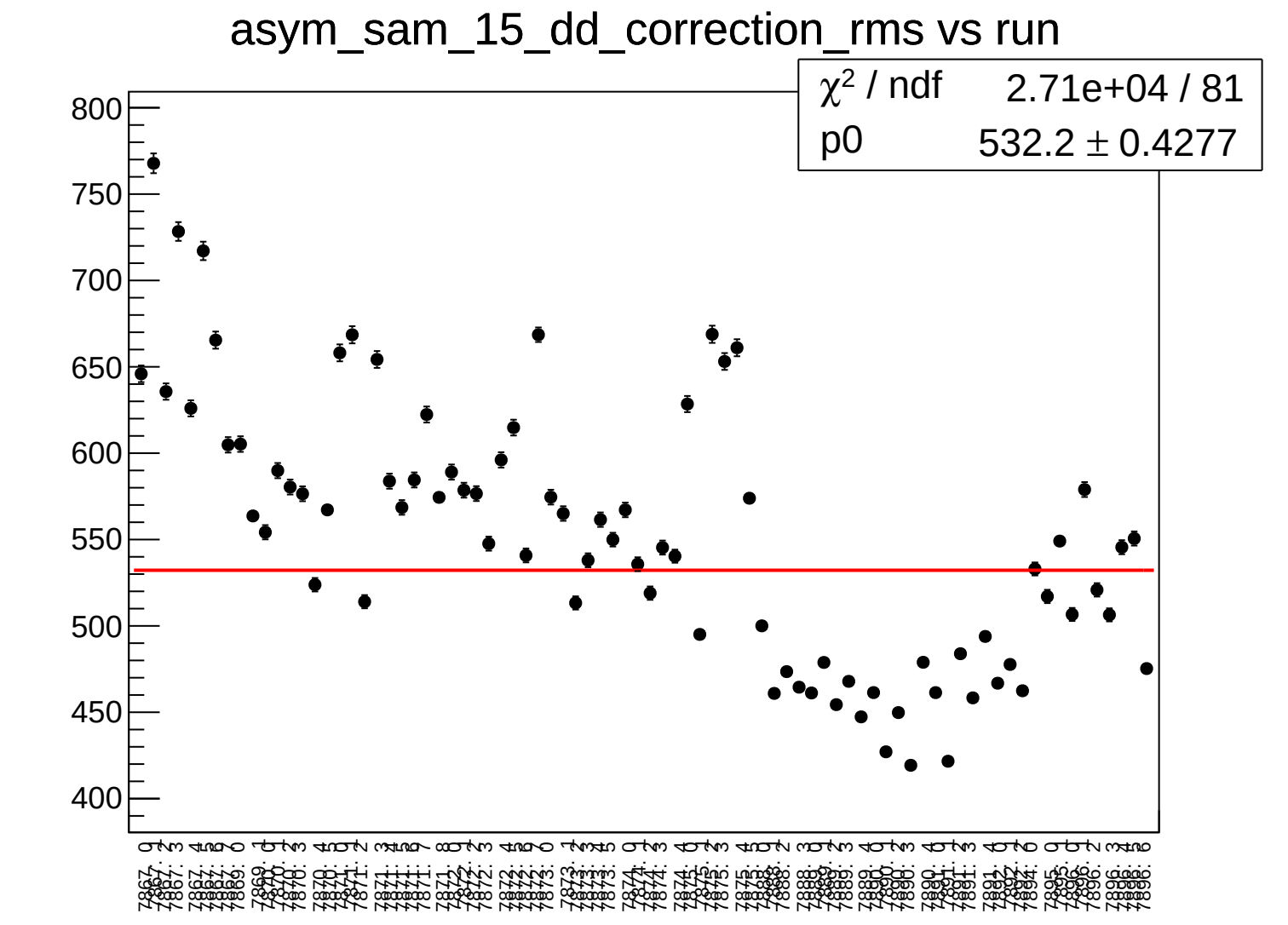

dit_asym_sam_15_dd_mean vs run
χ² / ndf 73.7 / 81
p0 −187.7 ± 103.2
pull
Entries 82
Mean 8.413
Std Dev 16.12

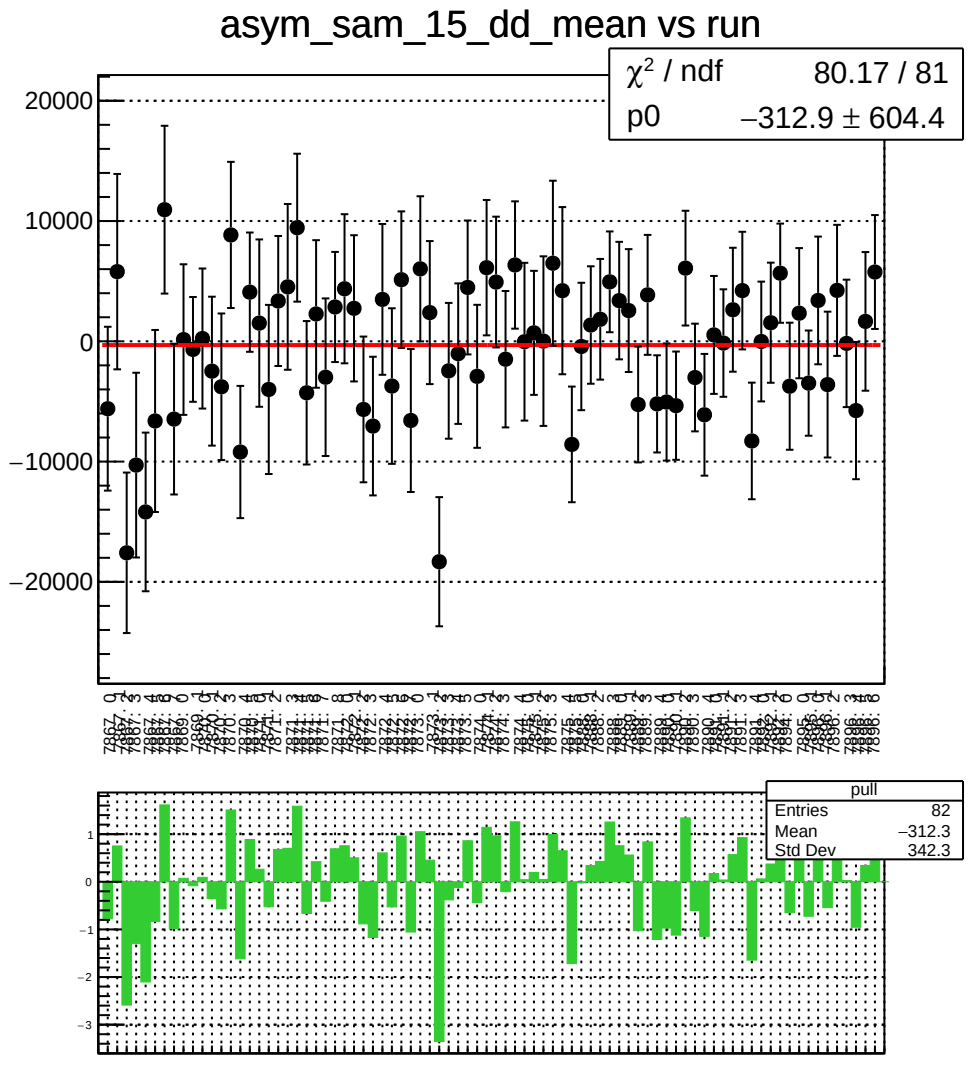

pull1D
Entries 82
Mean −0.01581
Std Dev 0.9479

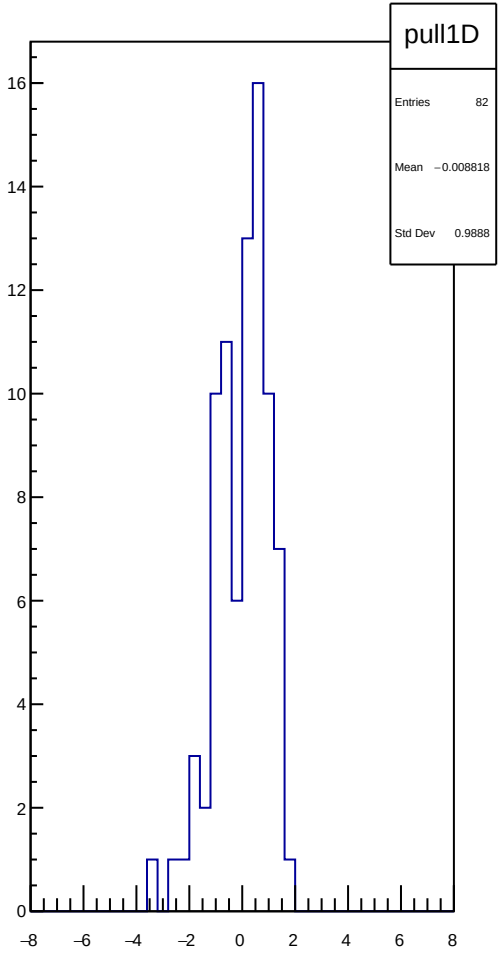

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1422 / 81
p0 91.56 ± 0.07298
100
98
96
94
92
90
88
86
84
82

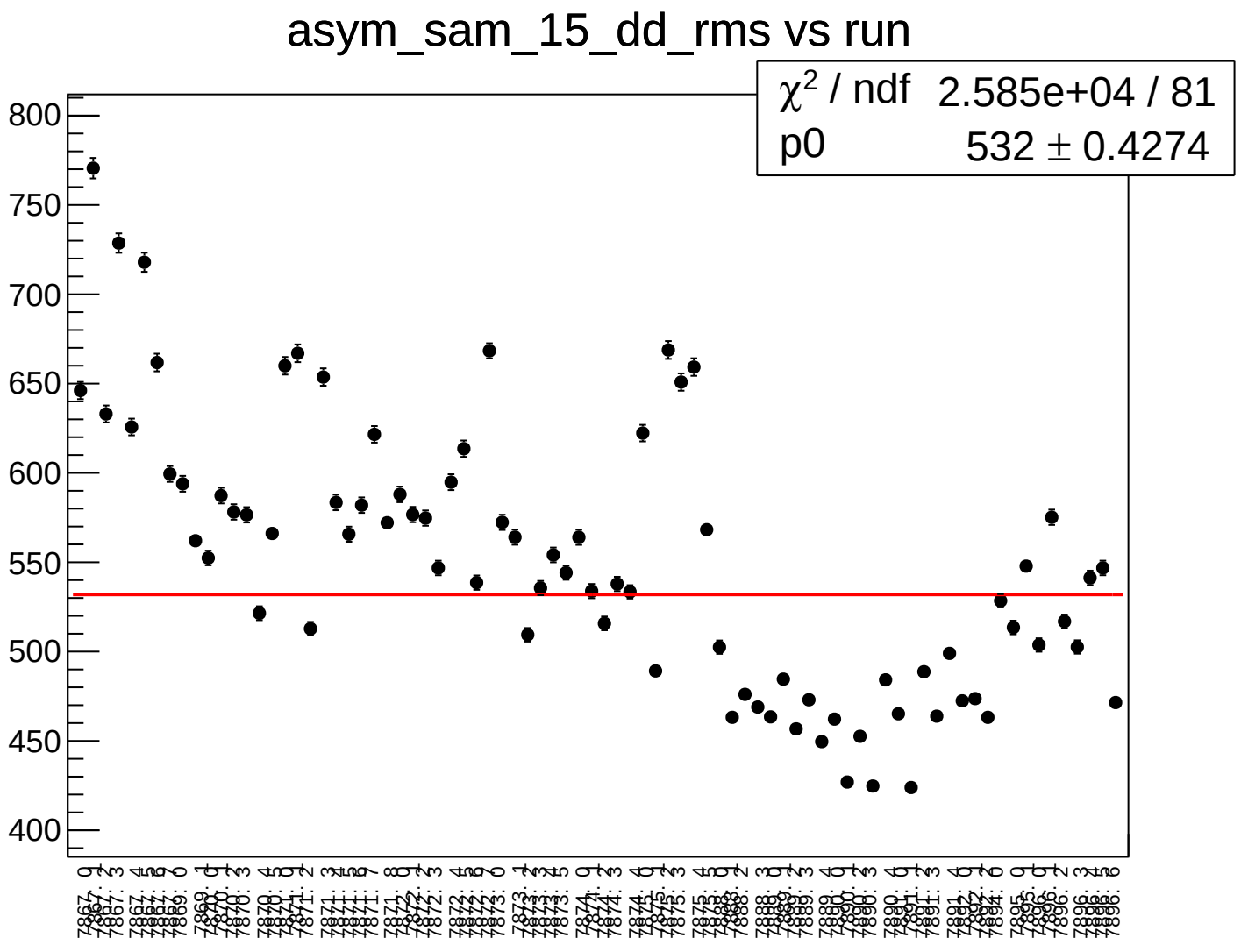

asym_sam_15_dd_correction_mean vs run
χ² / ndf 83.16 / 81
p0 101.1 ± 604.9
pull
Entries 82
Mean −327.7
Std Dev 357.3

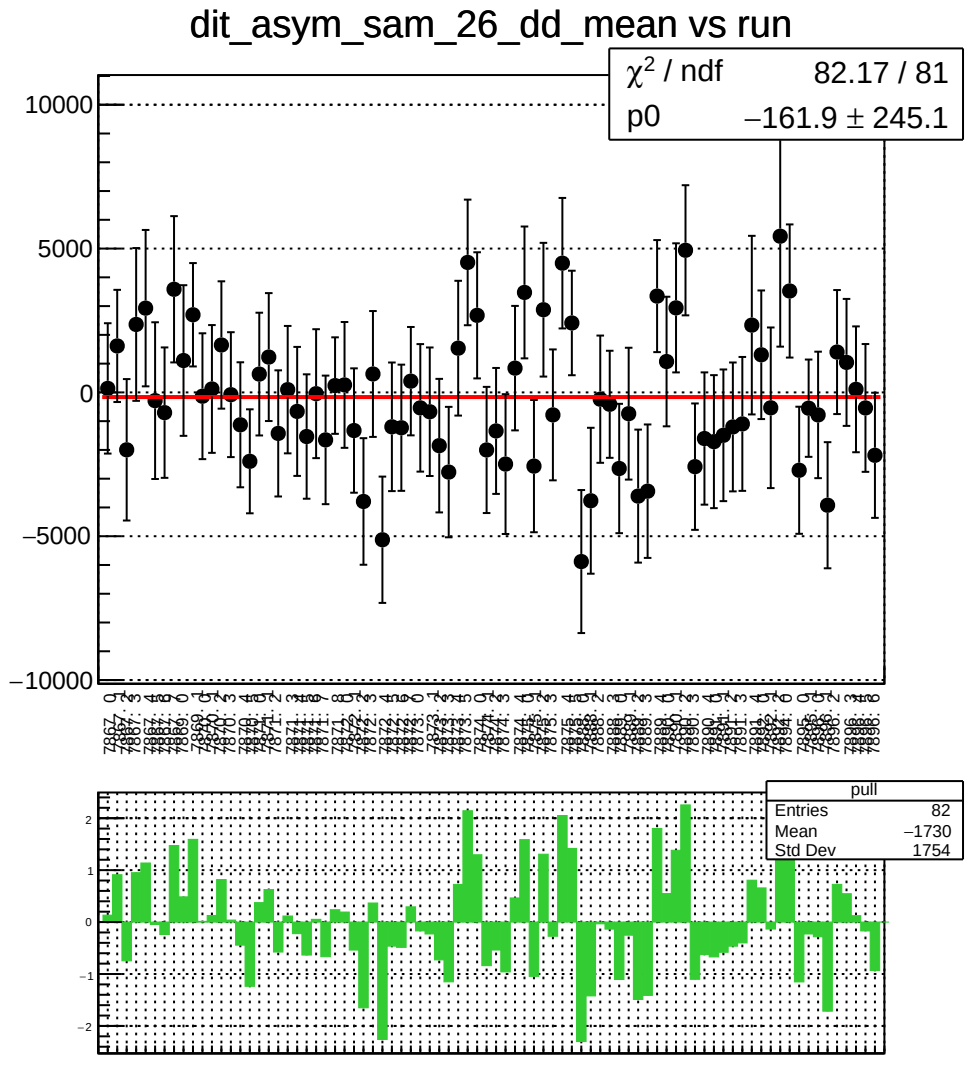

pull1D
Entries 82
Mean 0.008218
Std Dev 1.007

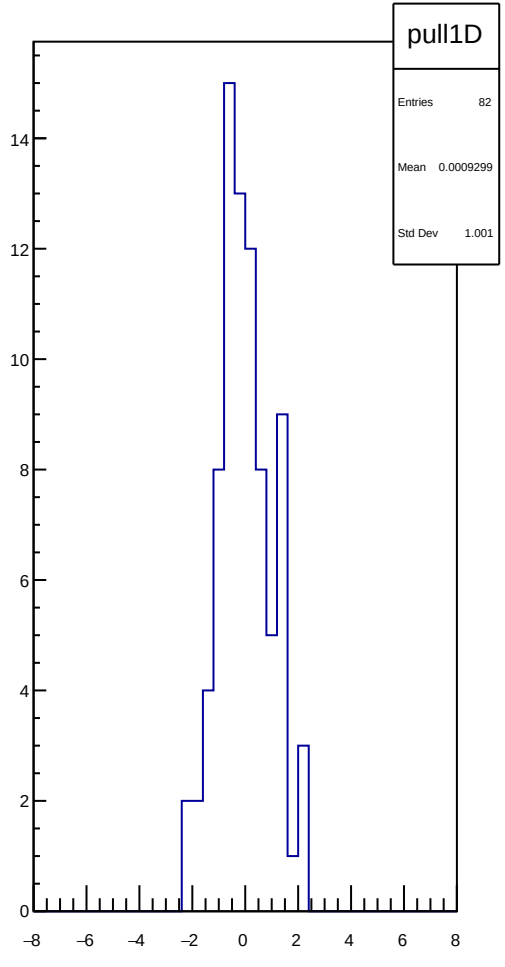

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.71e+04 / 81
p0 532.2 ± 0.4277
800
750
700
650
600
550
500
450
400

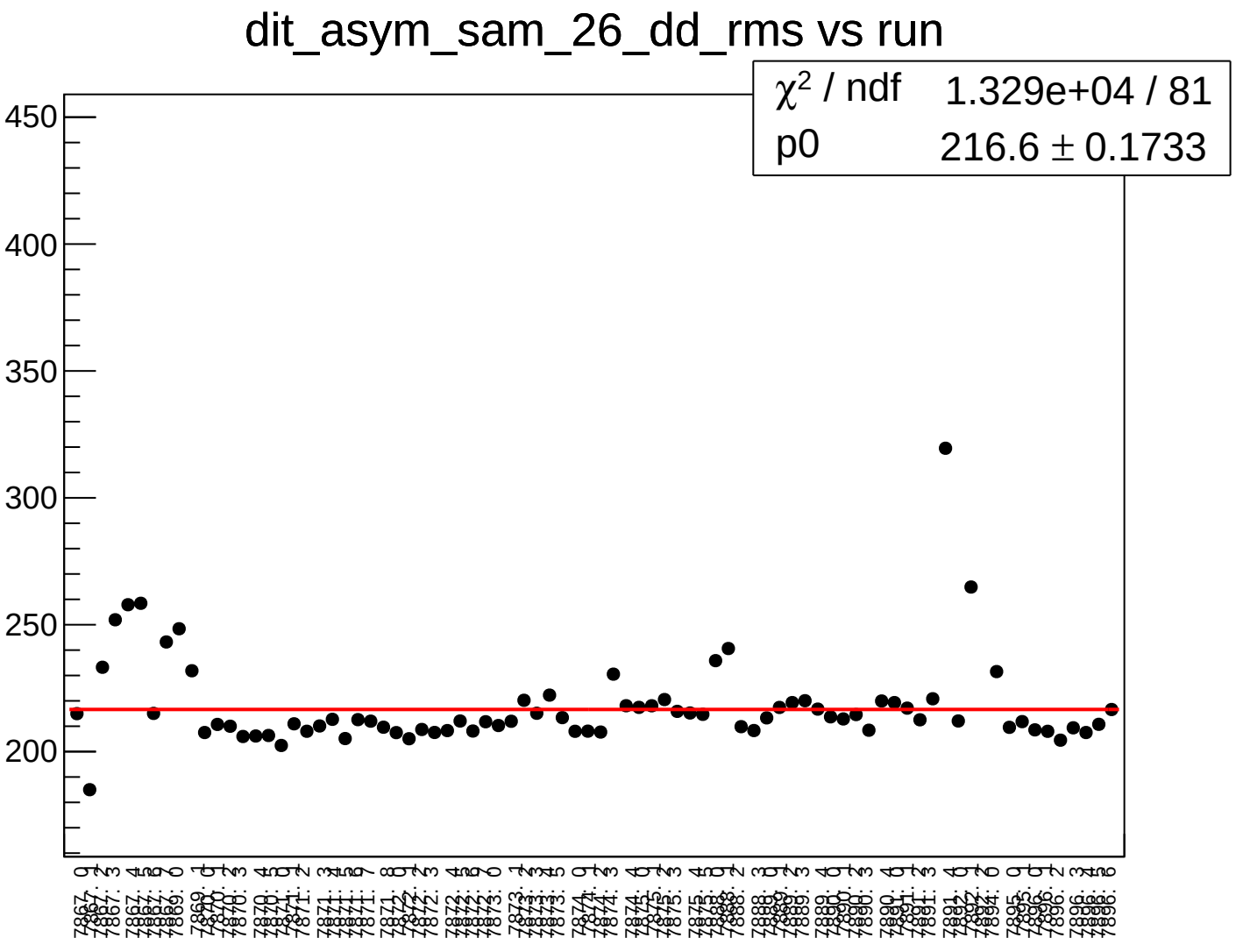

asym_sam_15_dd_mean vs run
χ² / ndf 80.17 / 81
p0 −312.9 ± 604.4
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −312.3
Std Dev 342.3
1
0
−1
−2
−3

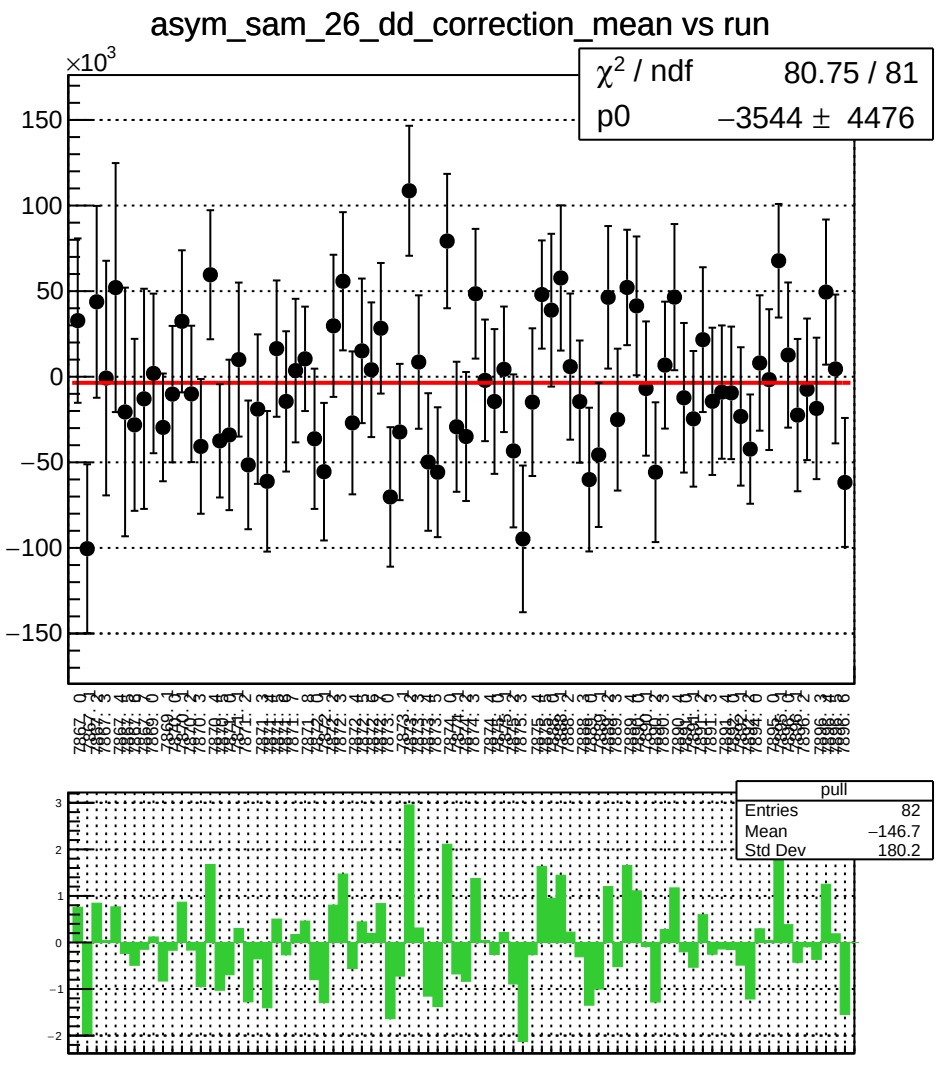

pull1D
Entries 82
Mean −0.008818
Std Dev 0.9888
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

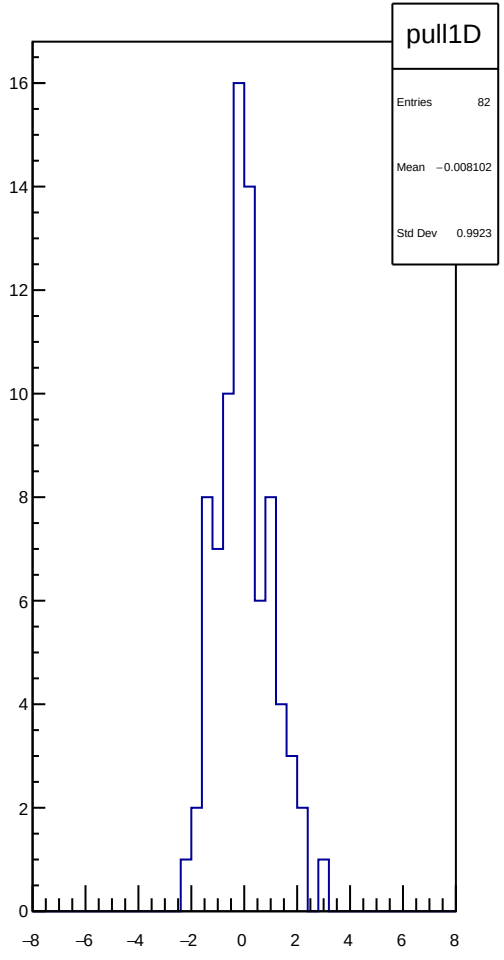

asym_sam_15_dd_rms vs run
χ^2 / ndf 2.585e+04 / 81
p0 532 ± 0.4274
800
750
700
650
600
550
500
450
400

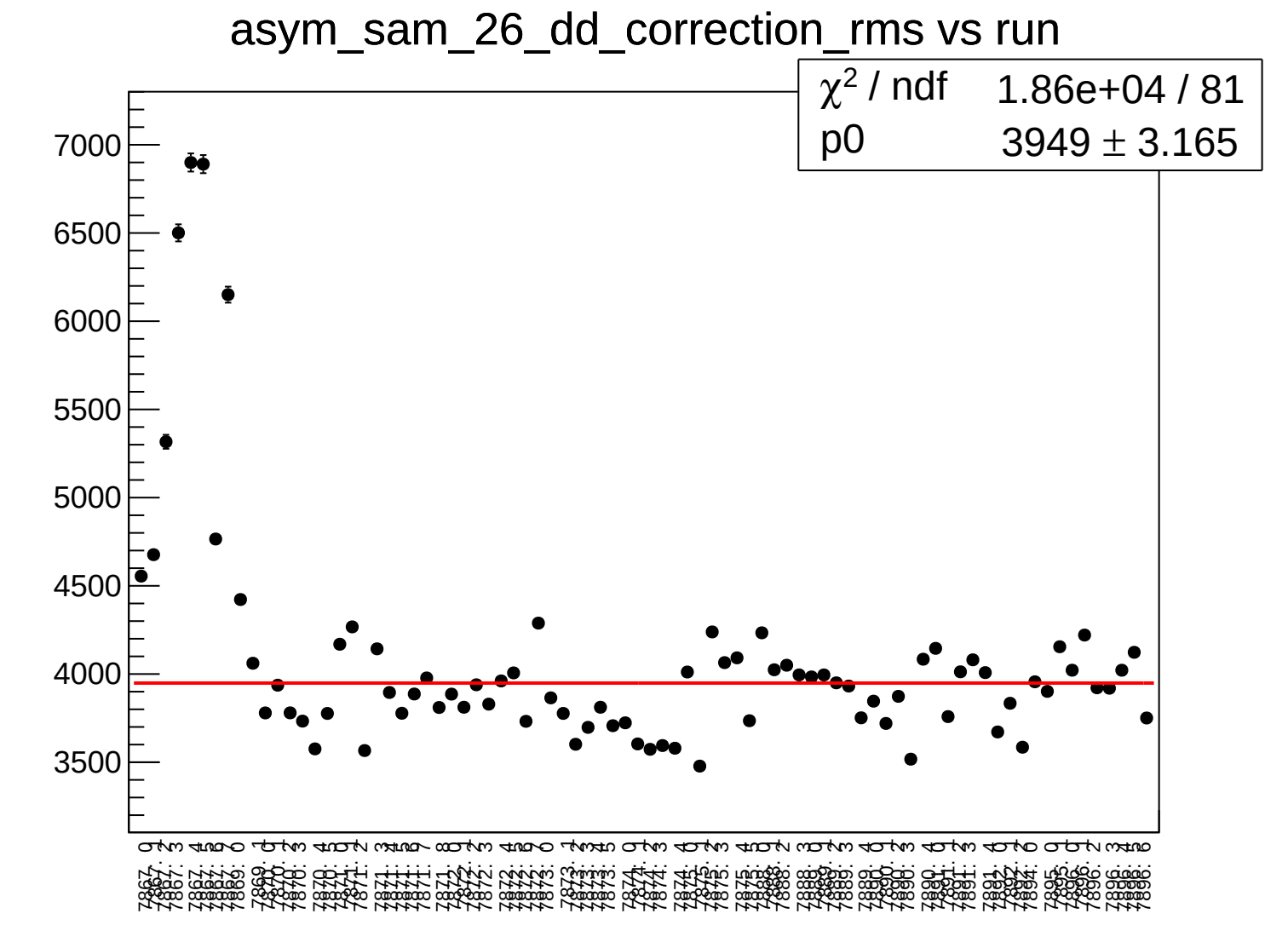

dit_asym_sam_26_dd_mean vs run
χ² / ndf 82.17 / 81
p0 −161.9 ± 245.1
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −1730
Std Dev 1754
2
1
0
−1
−2

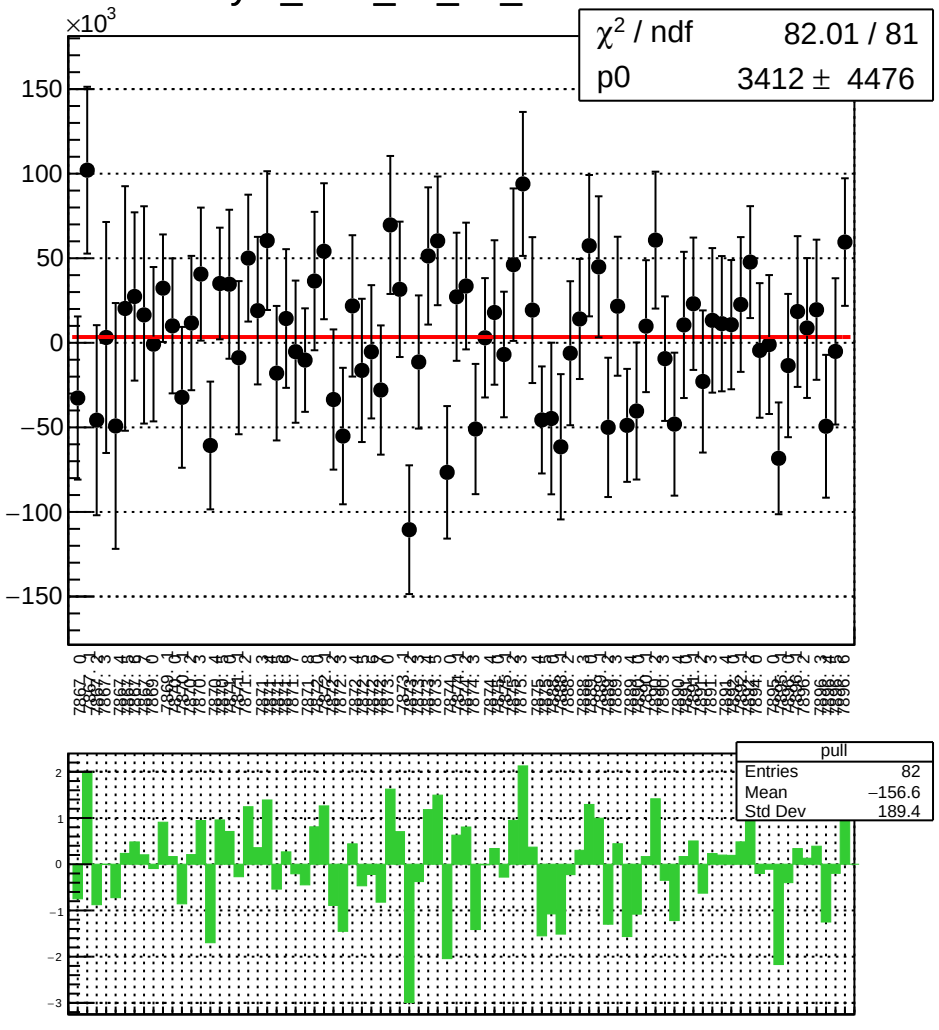

pull1D
Entries 82
Mean 0.0009299
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

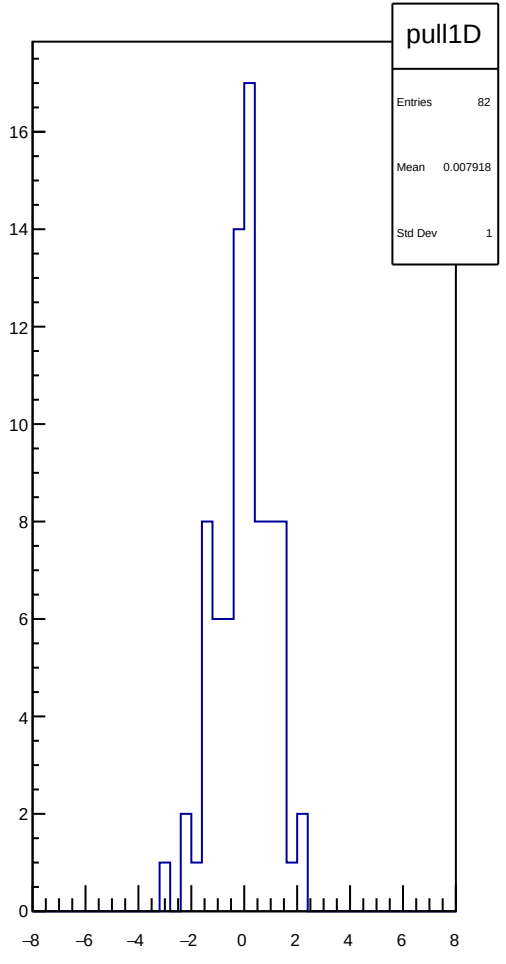

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 1.329e+04 / 81
p0 216.6 ± 0.1733
450
400
350
300
250
200

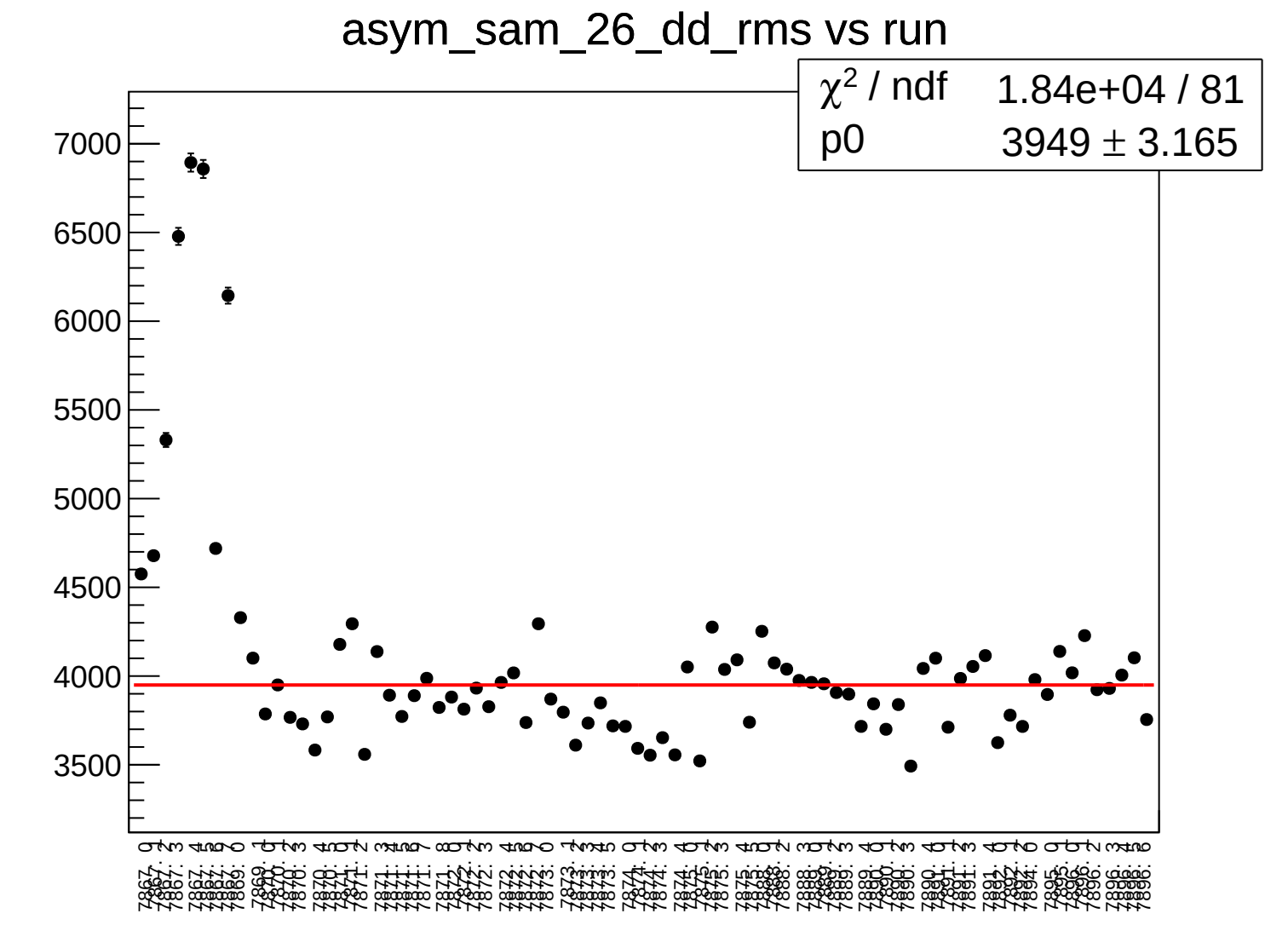

asym_sam_26_dd_correction_mean vs run
χ² / ndf 80.75 / 81
p0 −3544 ± 4476
×10³
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −146.7
Std Dev 180.2
3
2
1
0
−1
−2

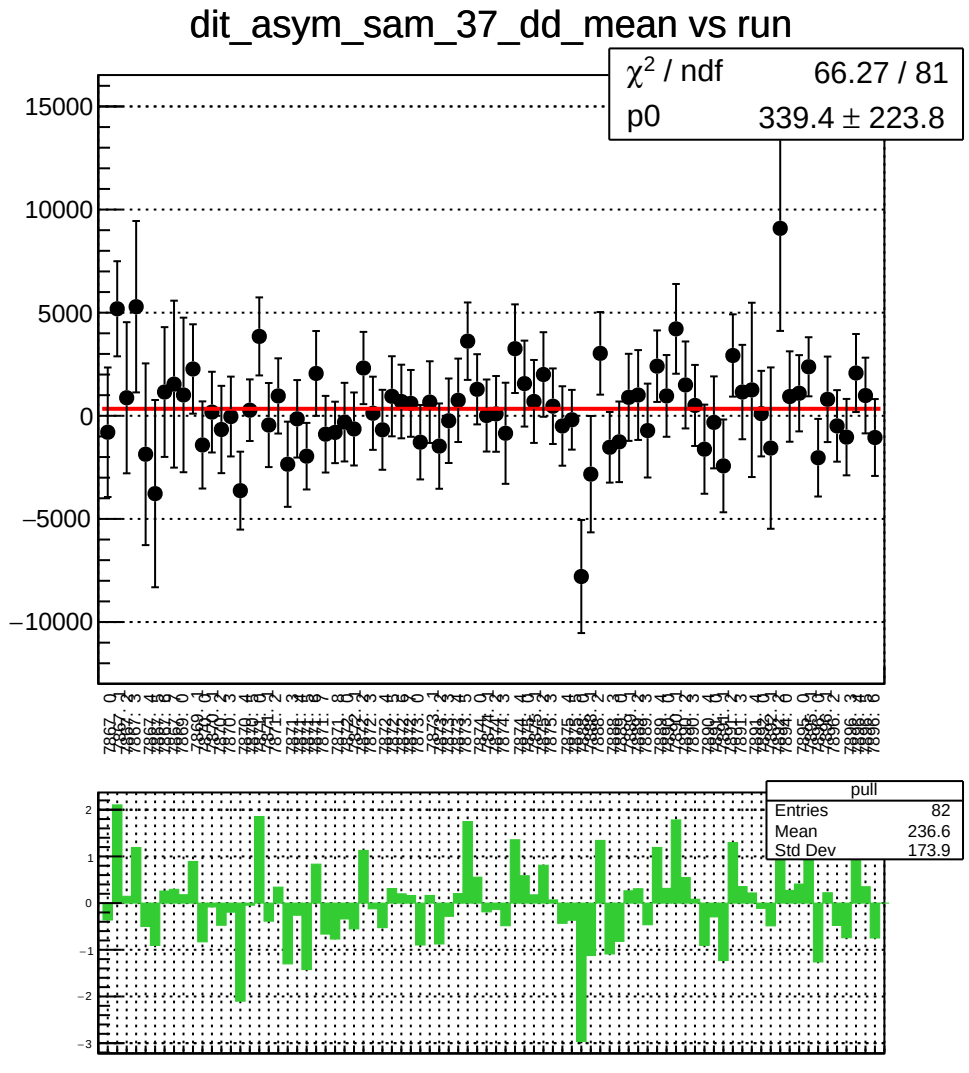

pull1D
Entries 82
Mean −0.008102
Std Dev 0.9923
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

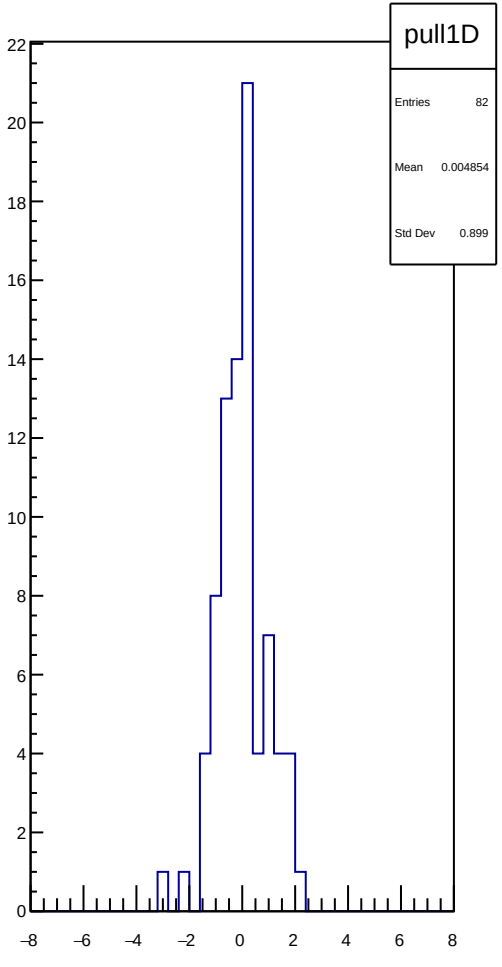

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.86e+04 / 81
p0 3949 ± 3.165
7000
6500
6000
5500
5000
4500
4000
3500

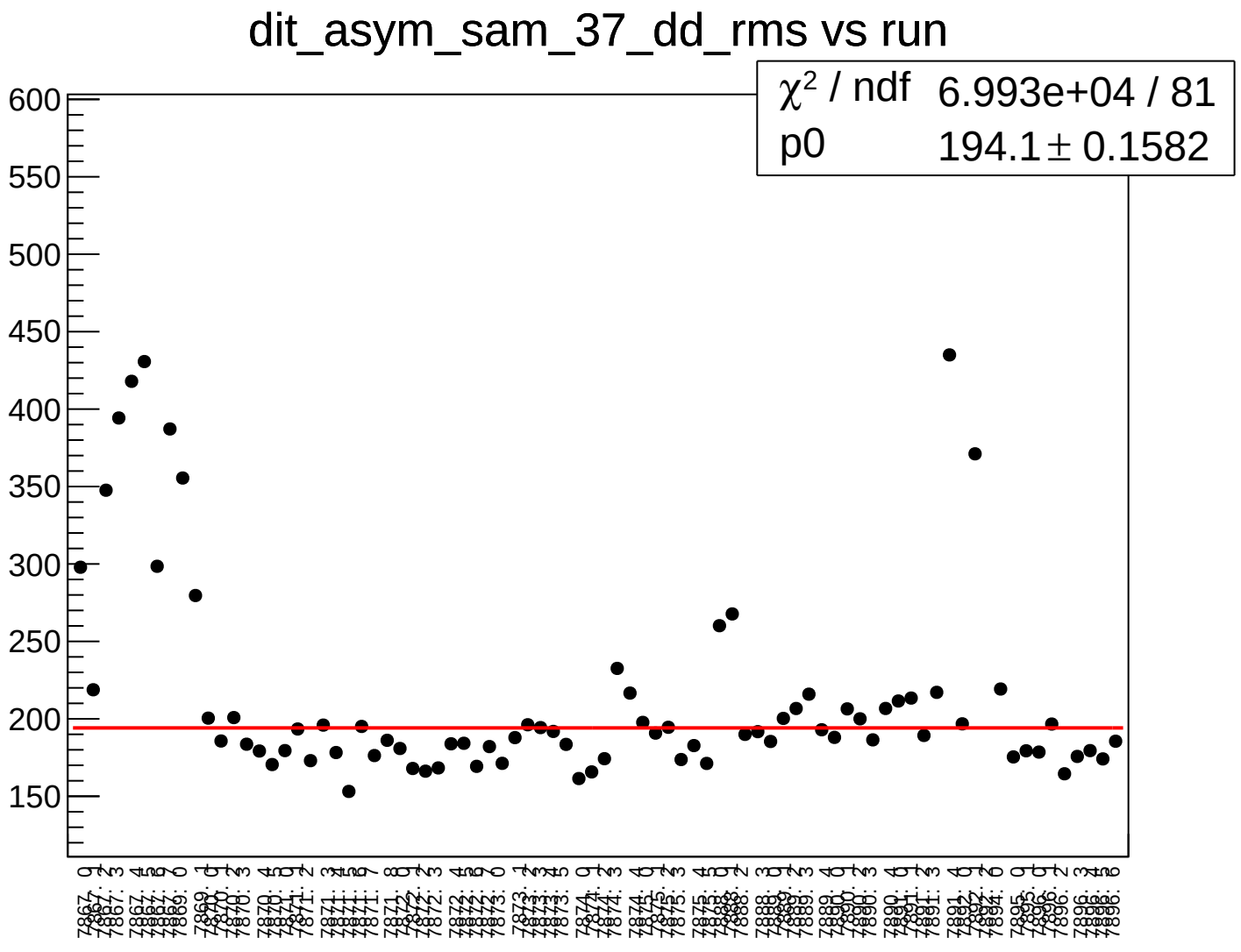

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 82.01 / 81
p0 3412 ± 4476
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −156.6
Std Dev 189.4
2
1
0
−1
−2
−3

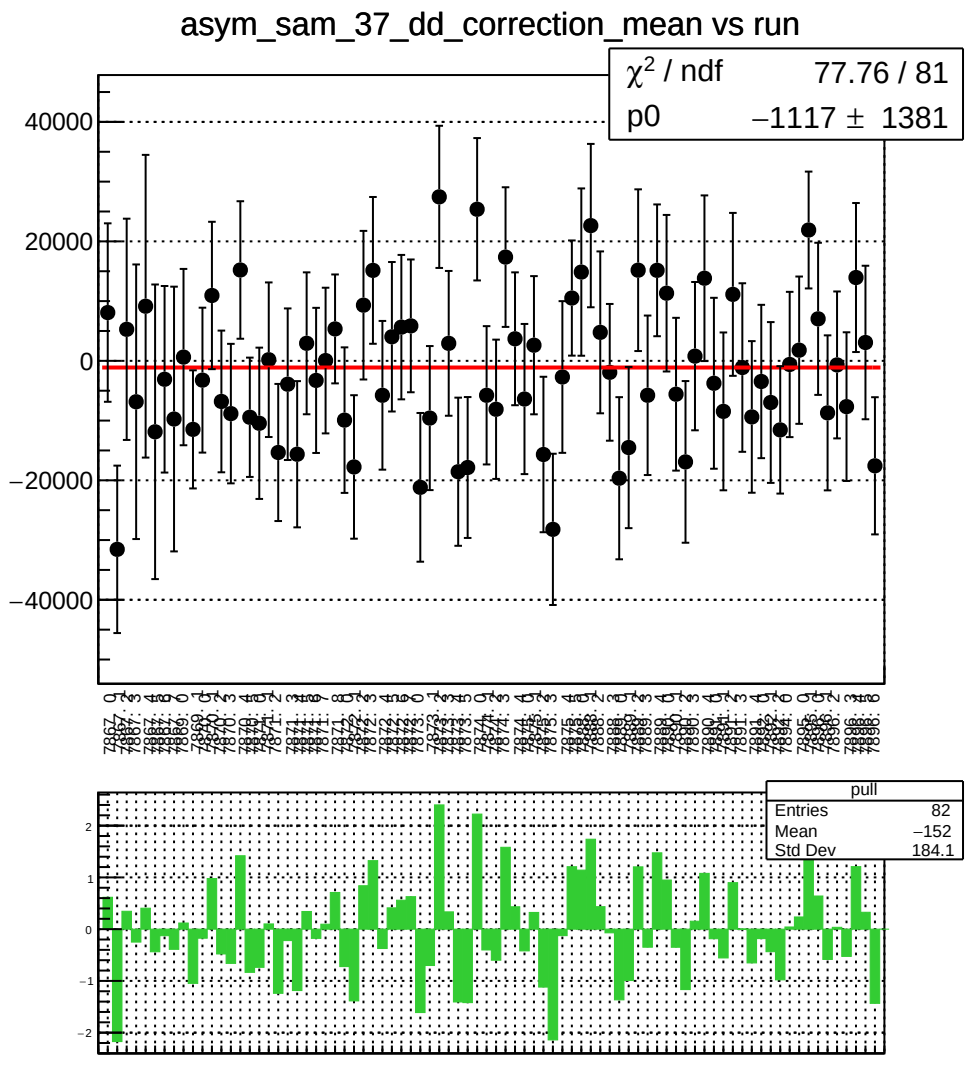

pull1D
Entries 82
Mean 0.007918
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

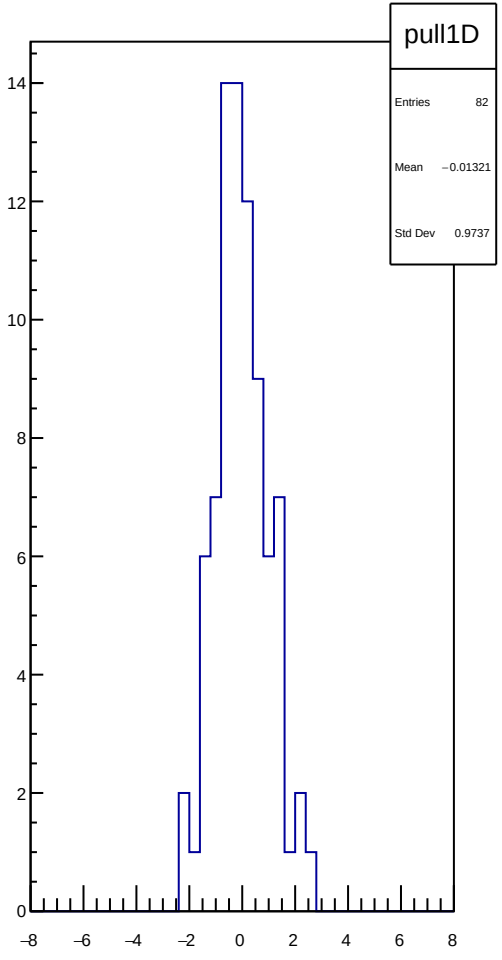

asym_sam_26_dd_rms vs run
χ² / ndf 1.84e+04 / 81
p0 3949 ± 3.165
7000
6500
6000
5500
5000
4500
4000
3500

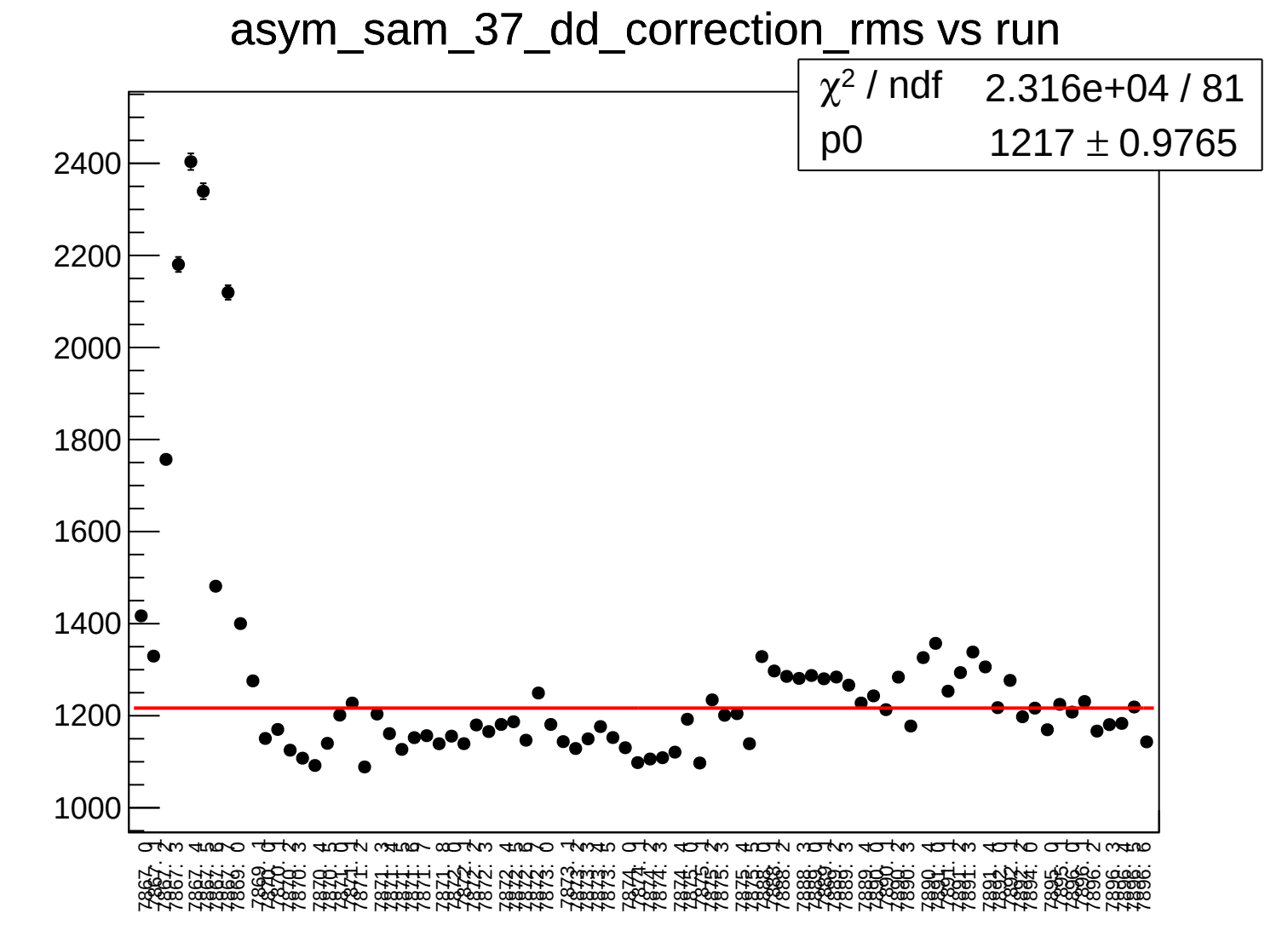

dit_asym_sam_37_dd_mean vs run
χ² / ndf 66.27 / 81
p0 339.4 ± 223.8
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 236.6
Std Dev 173.9
2
1
0
−1
−2
−3

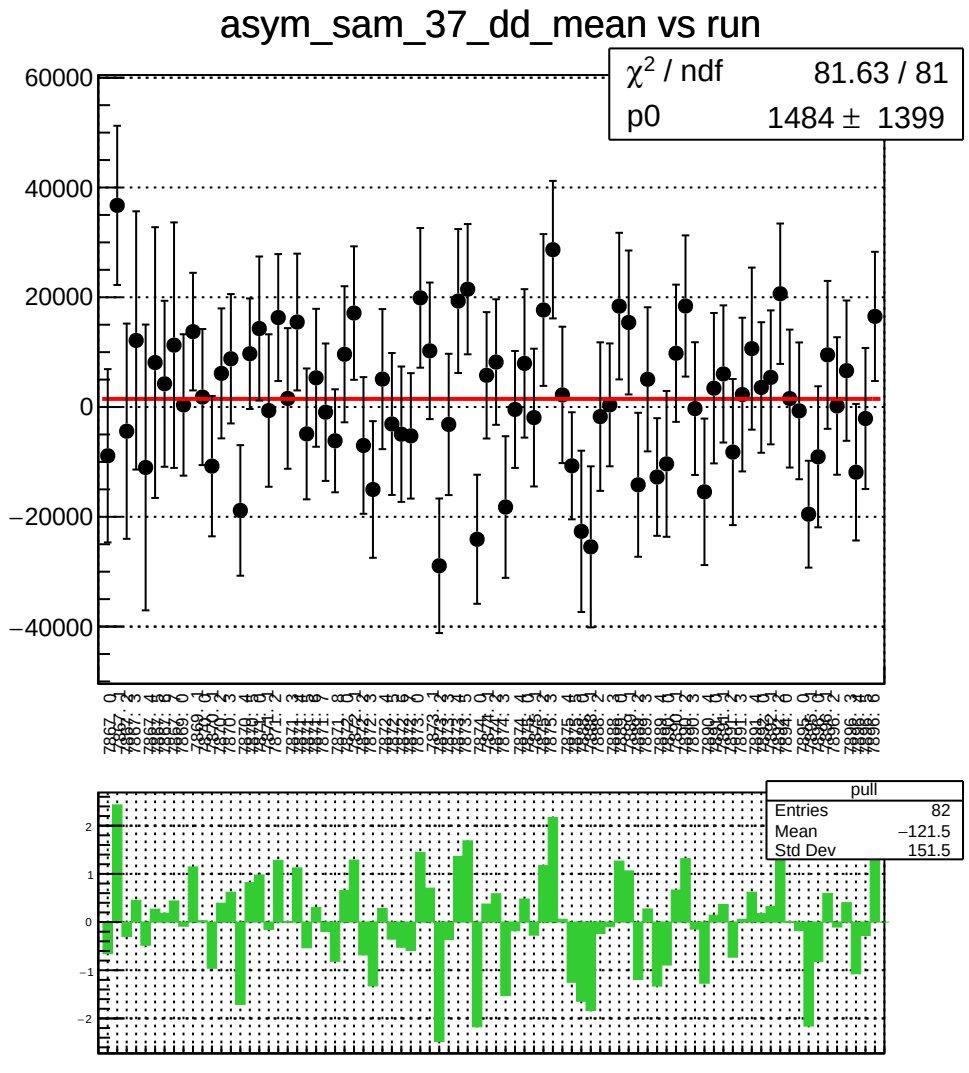

pull1D
Entries 82
Mean 0.004854
Std Dev 0.899
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

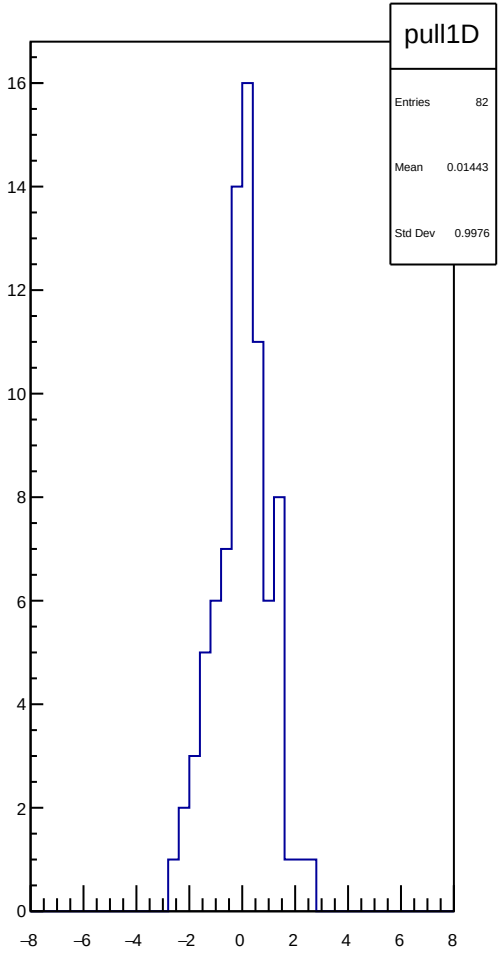

dit_asym_sam_37_dd_rms vs run
χ² / ndf 6.993e+04 / 81
p0 194.1 ± 0.1582
600
550
500
450
400
350
300
250
200
150

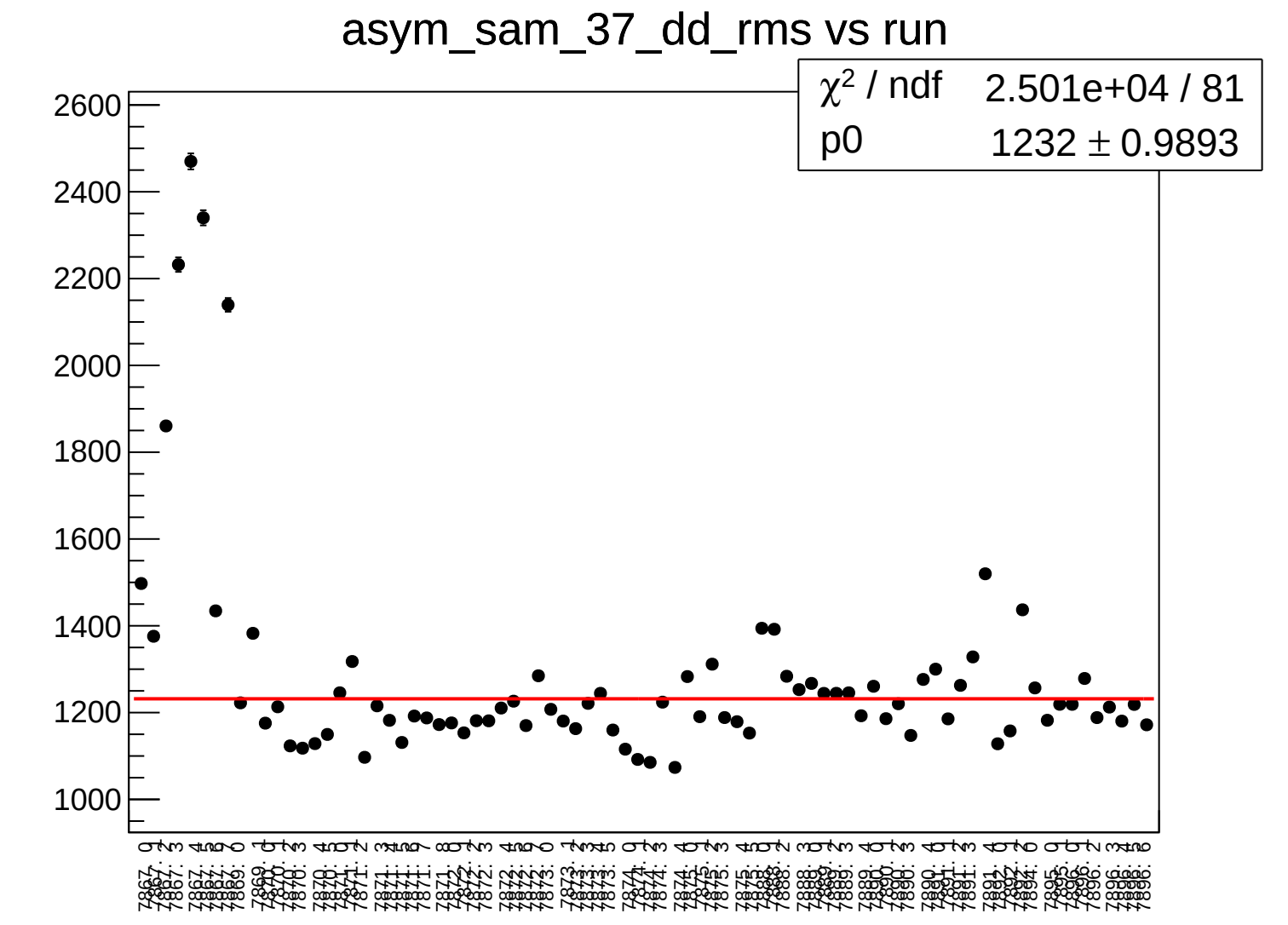

asym_sam_37_dd_correction_mean vs run
χ² / ndf 77.76 / 81
p0 −1117 ± 1381
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −152
Std Dev 184.1
2
1
0
−1
−2

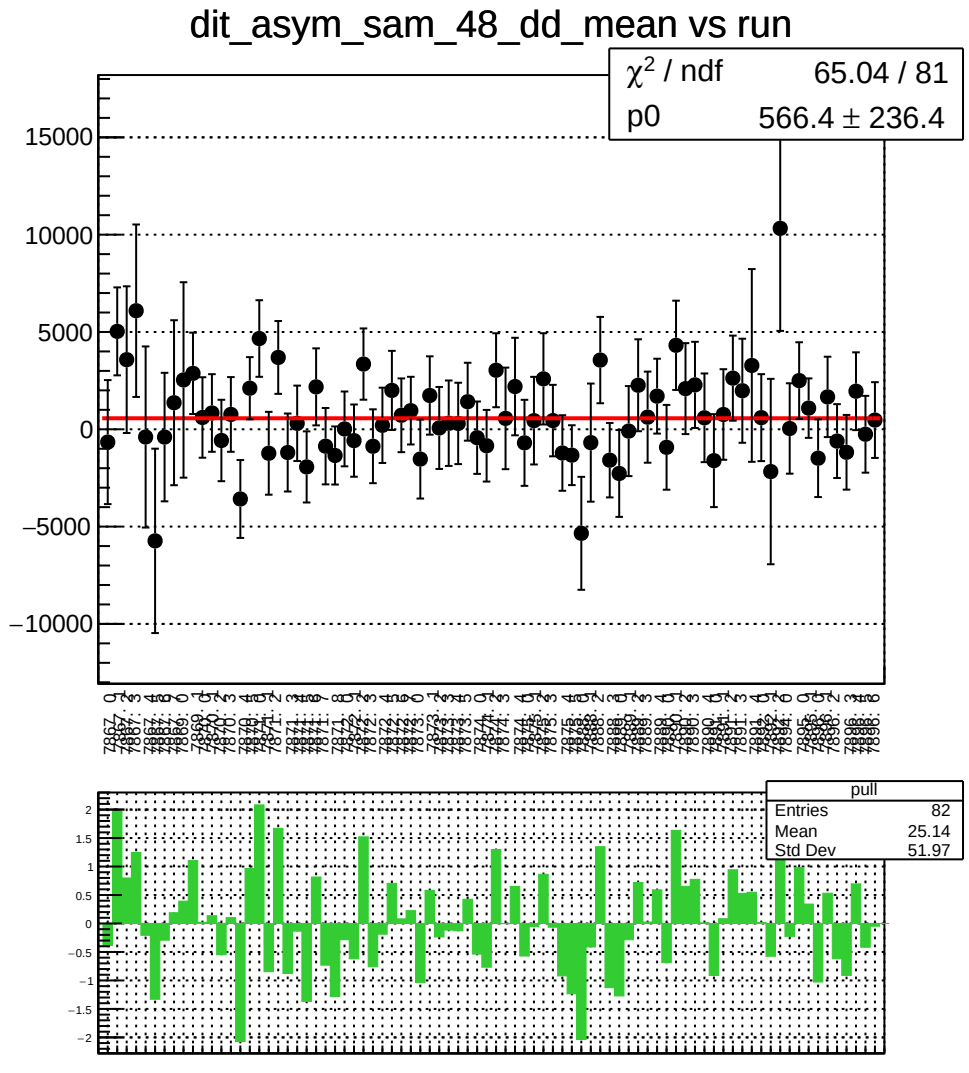

pull1D
Entries 82
Mean −0.01321
Std Dev 0.9737
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

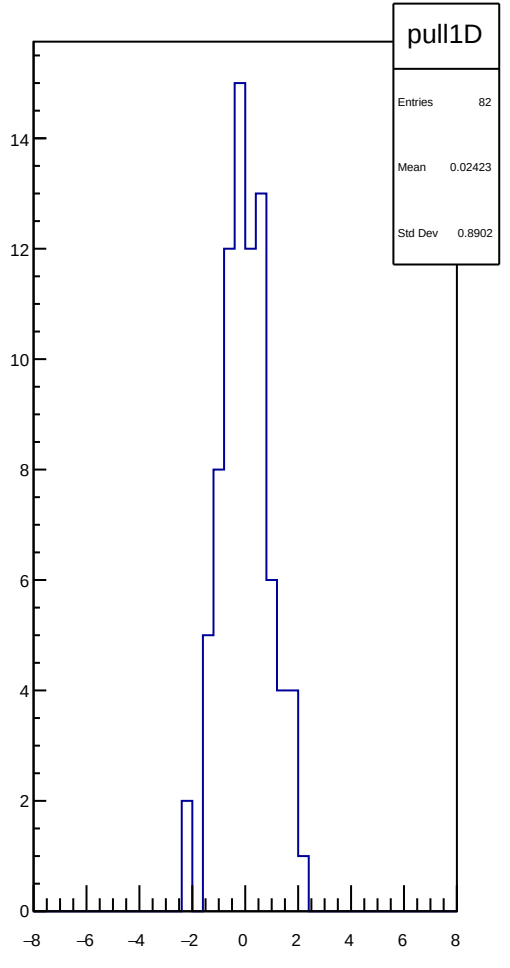

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2.316e+04 / 81
p0 1217 ± 0.9765
2400
2200
2000
1800
1600
1400
1200
1000

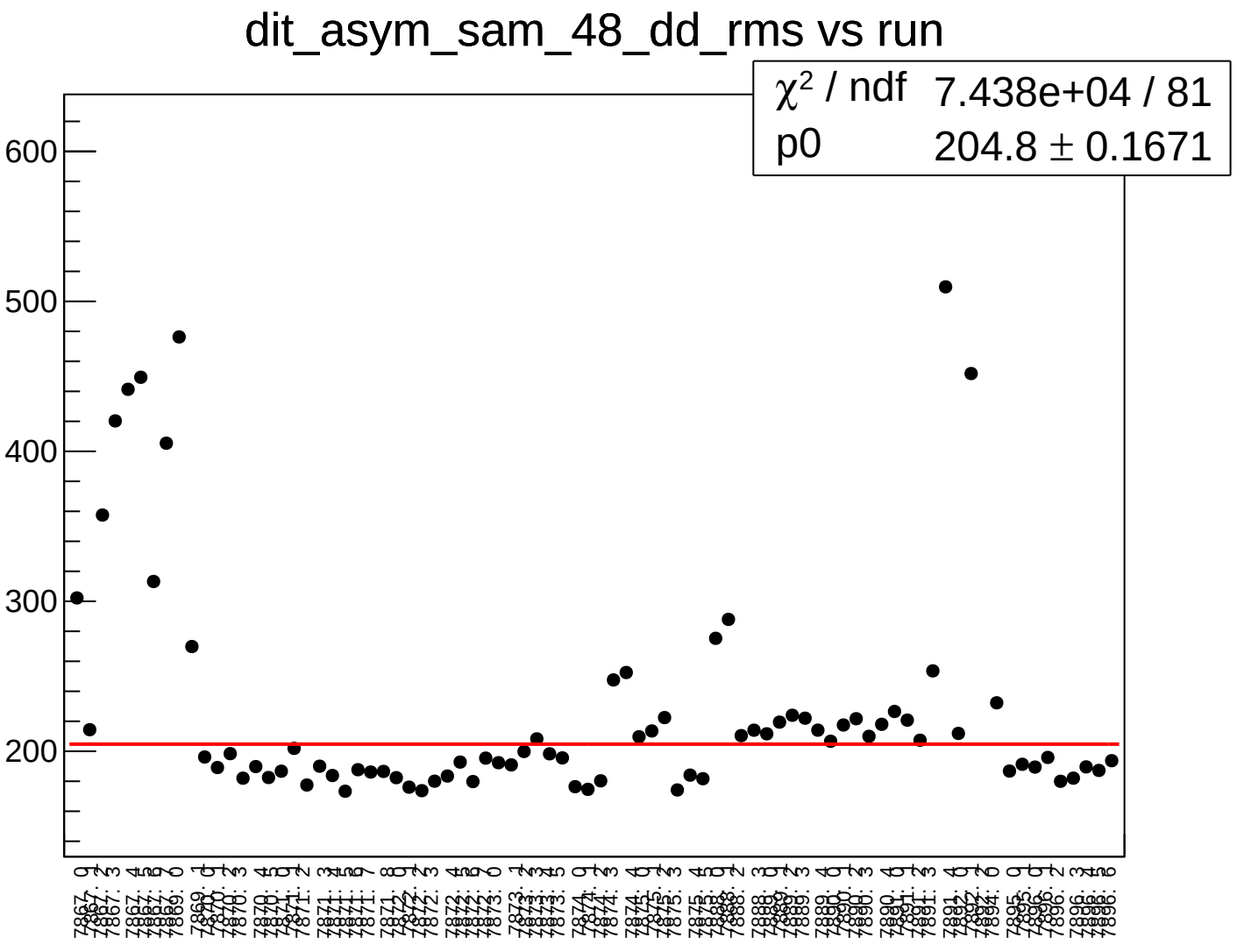

asym_sam_37_dd_mean vs run
χ² / ndf 81.63 / 81
p0 1484 ± 1399
pull
Entries 82
Mean −121.5
Std Dev 151.5

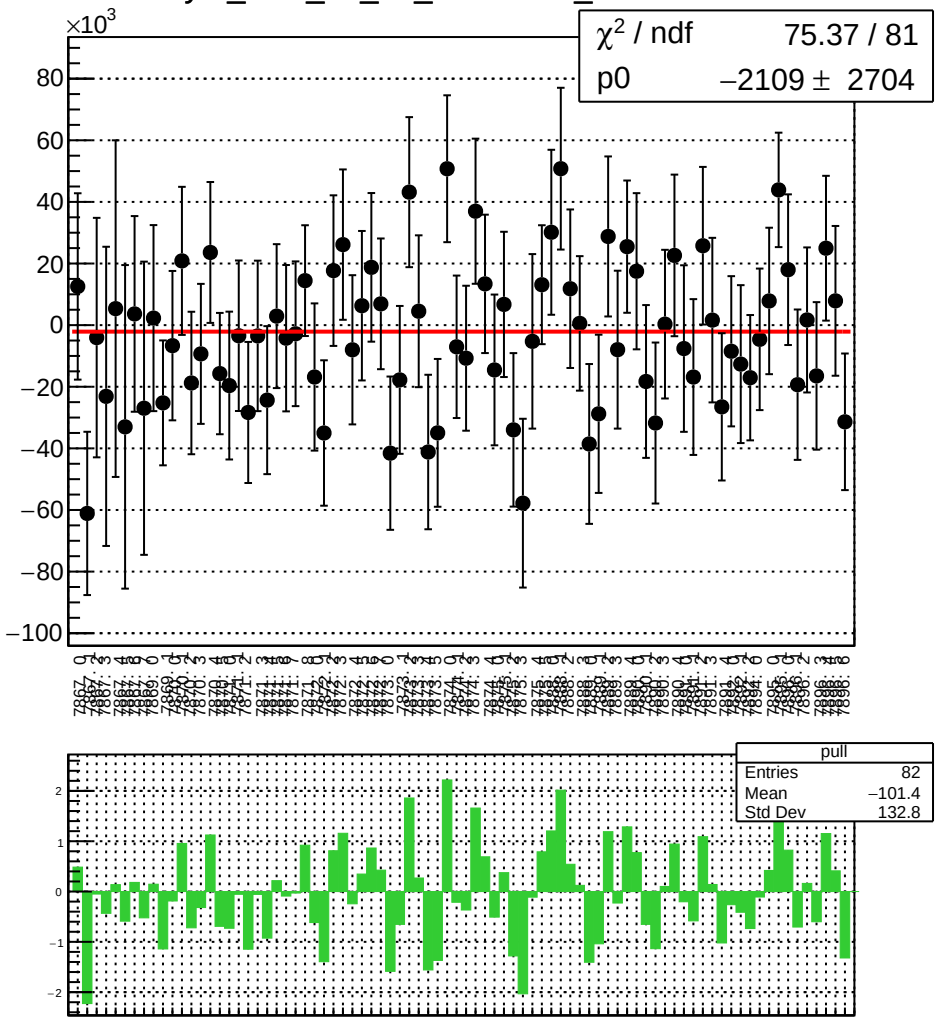

pull1D
Entries 82
Mean 0.01443
Std Dev 0.9976

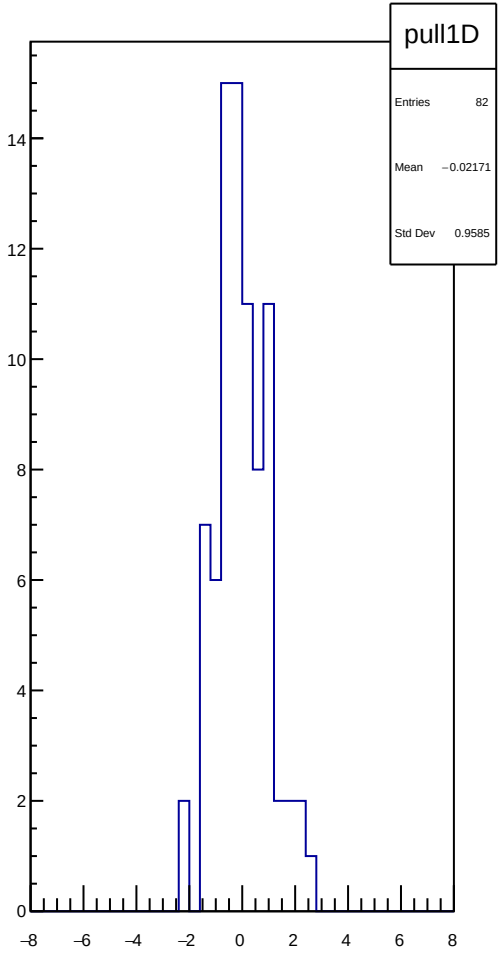

asym_sam_37_dd_rms vs run
χ² / ndf 2.501e+04 / 81
p0 1232 ± 0.9893
2600
2400
2200
2000
1800
1600
1400
1200
1000

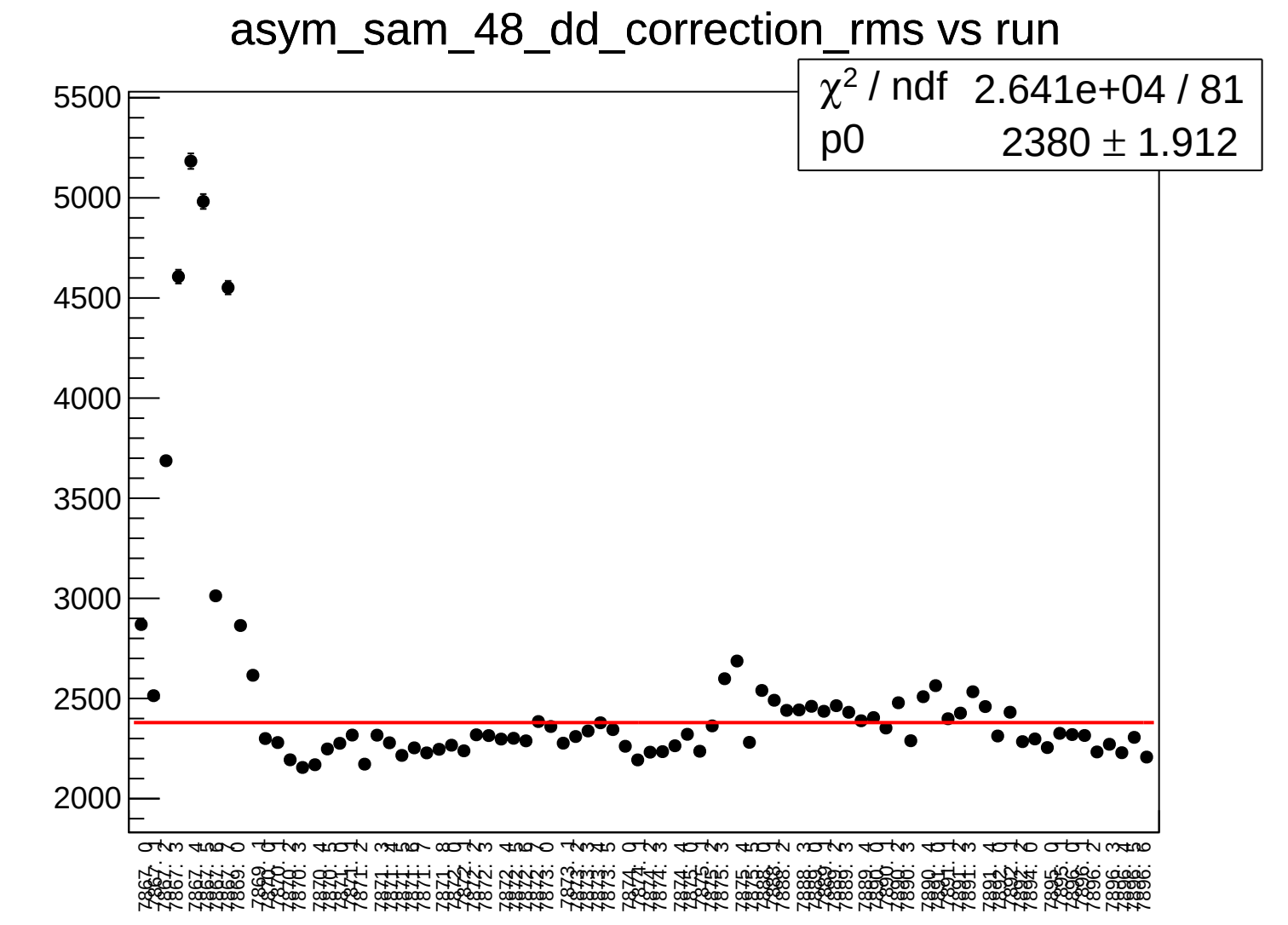

dit_asym_sam_48_dd_mean vs run
χ² / ndf 65.04 / 81
p0 566.4 ± 236.4
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 25.14
Std Dev 51.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

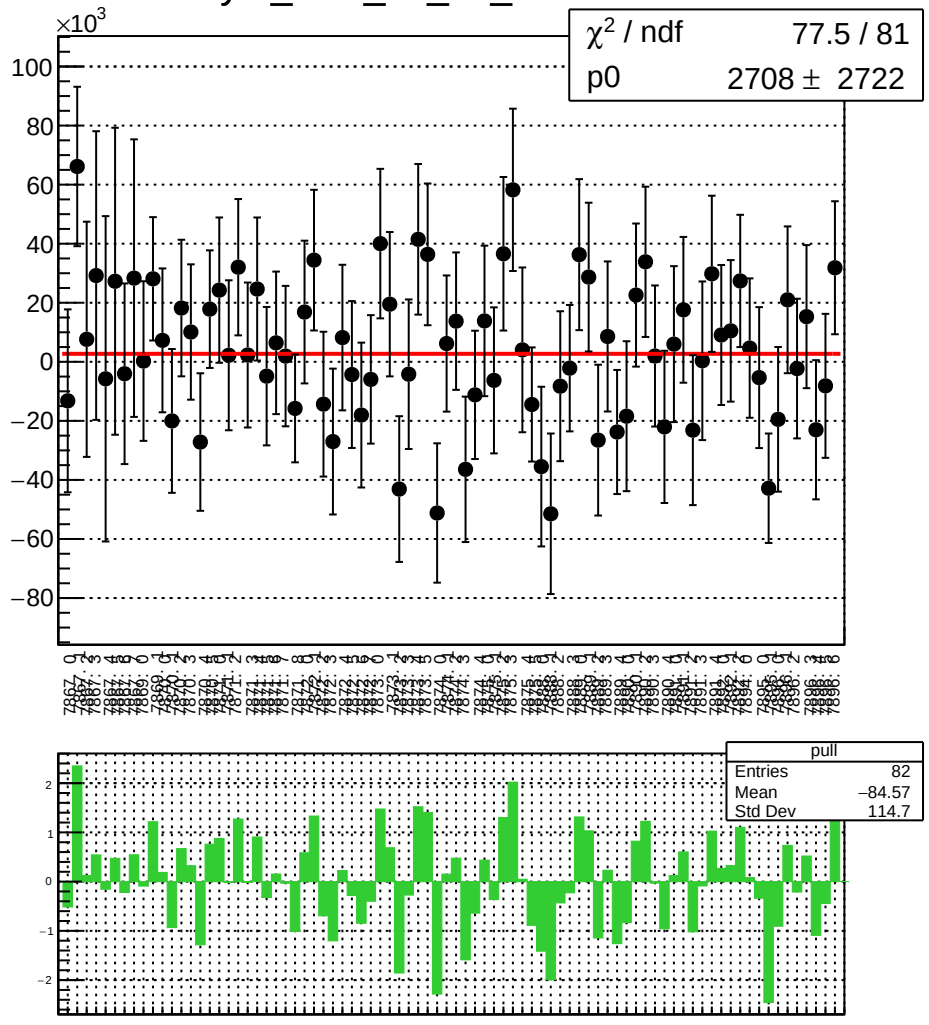

pull1D
Entries 82
Mean 0.02423
Std Dev 0.8902
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

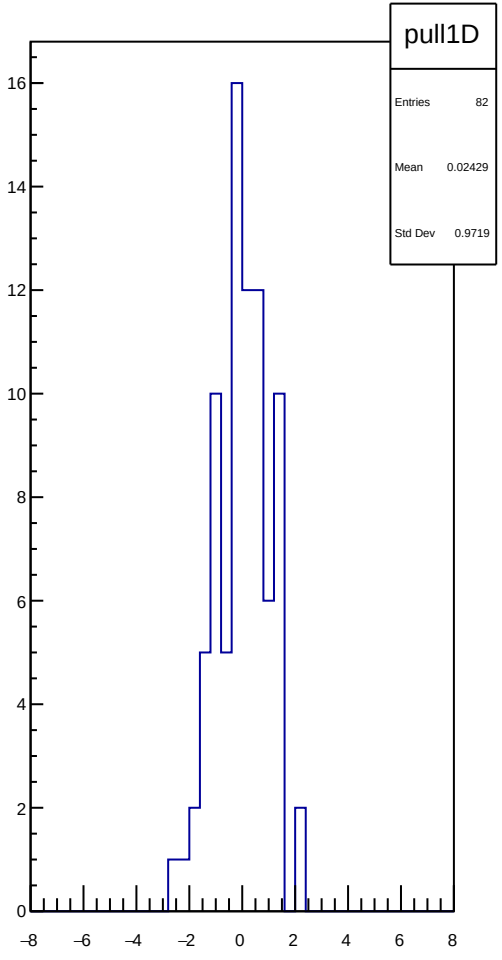

dit_asym_sam_48_dd_rms vs run
χ² / ndf 7.438e+04 / 81
p0 204.8 ± 0.1671
600
500
400
300
200

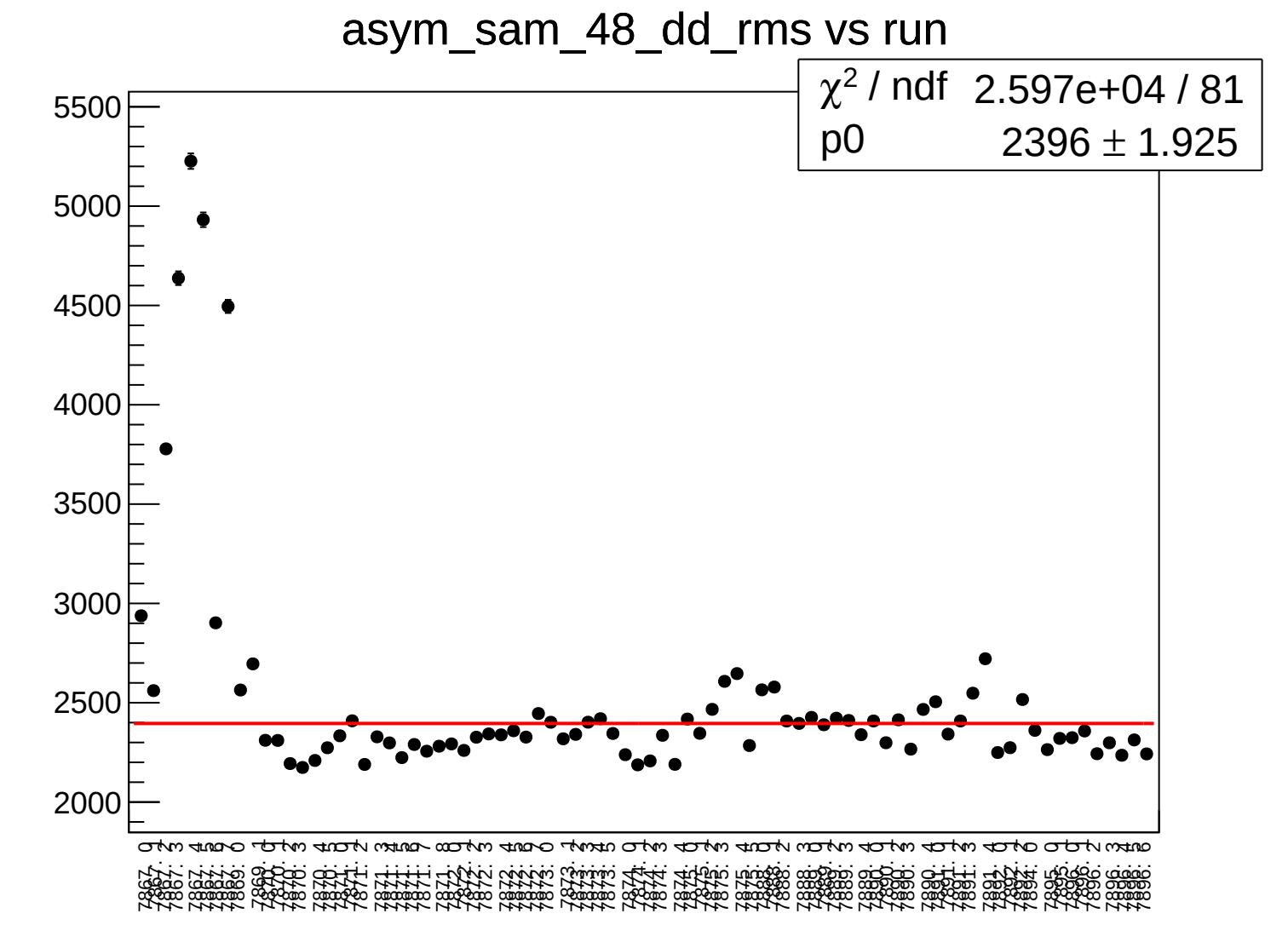

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 75.37 / 81
p0 −2109 ± 2704
pull
Entries 82
Mean −101.4
Std Dev 132.8

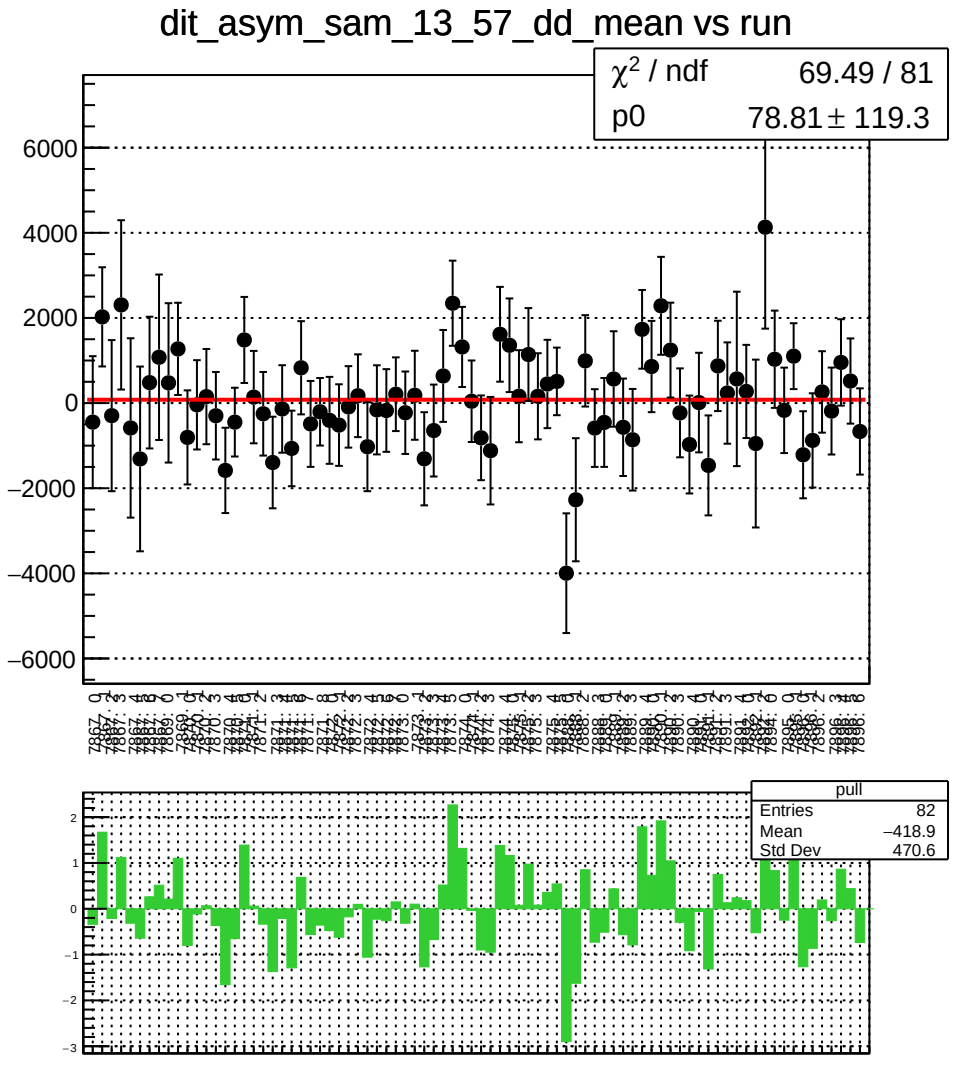

pull1D
Entries 82
Mean −0.02171
Std Dev 0.9585

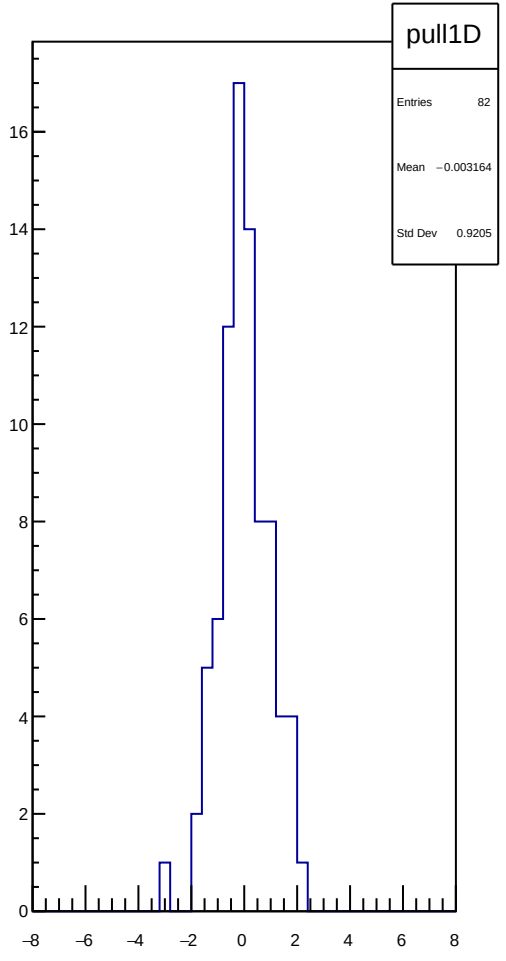

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2.641e+04 / 81
p0 2380 ± 1.912
5500
5000
4500
4000
3500
3000
2500
2000

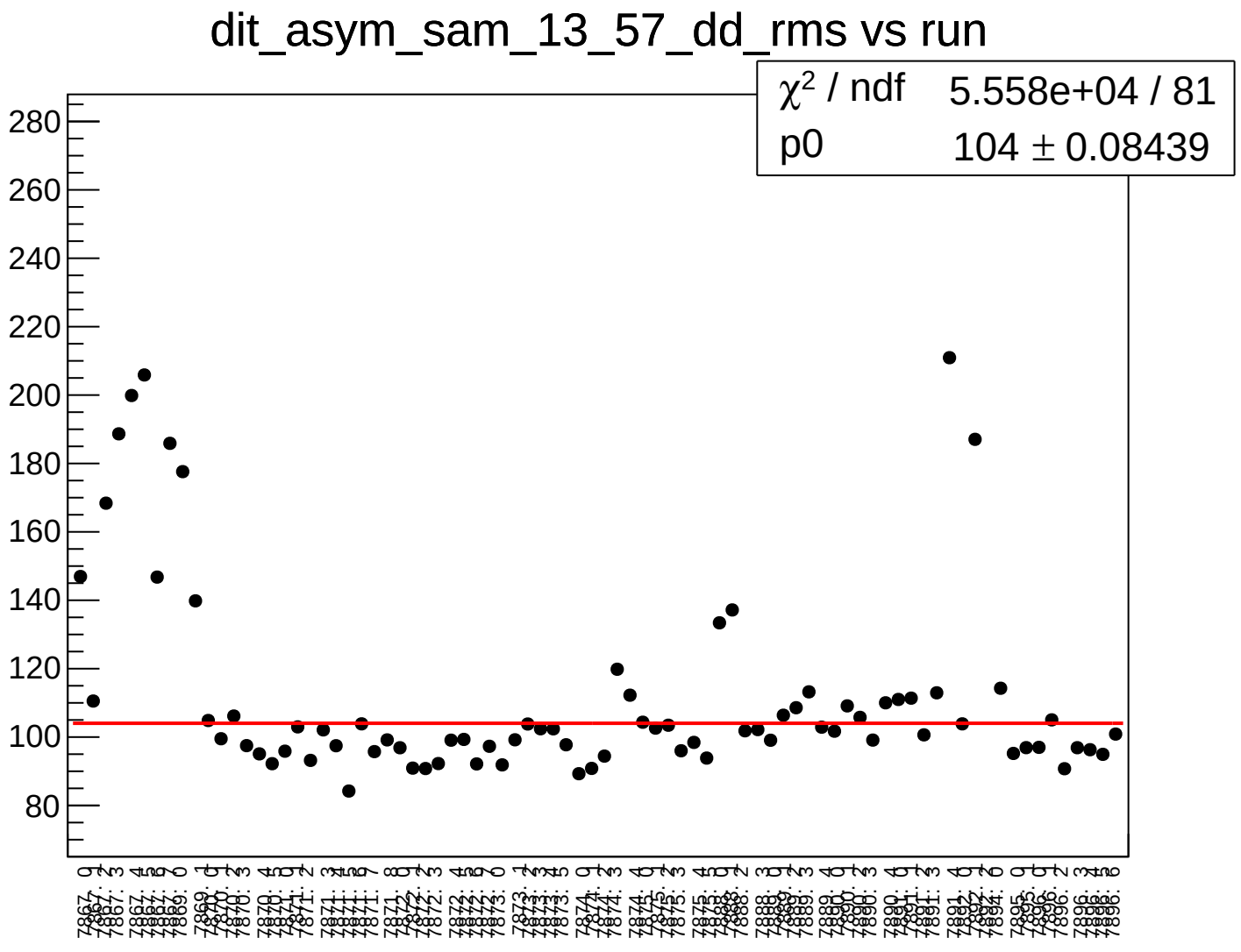

asym_sam_48_dd_mean vs run
×10^3
χ^2 / ndf 77.5 / 81
p0 2708 ± 2722
pull
Entries 82
Mean −84.57
Std Dev 114.7

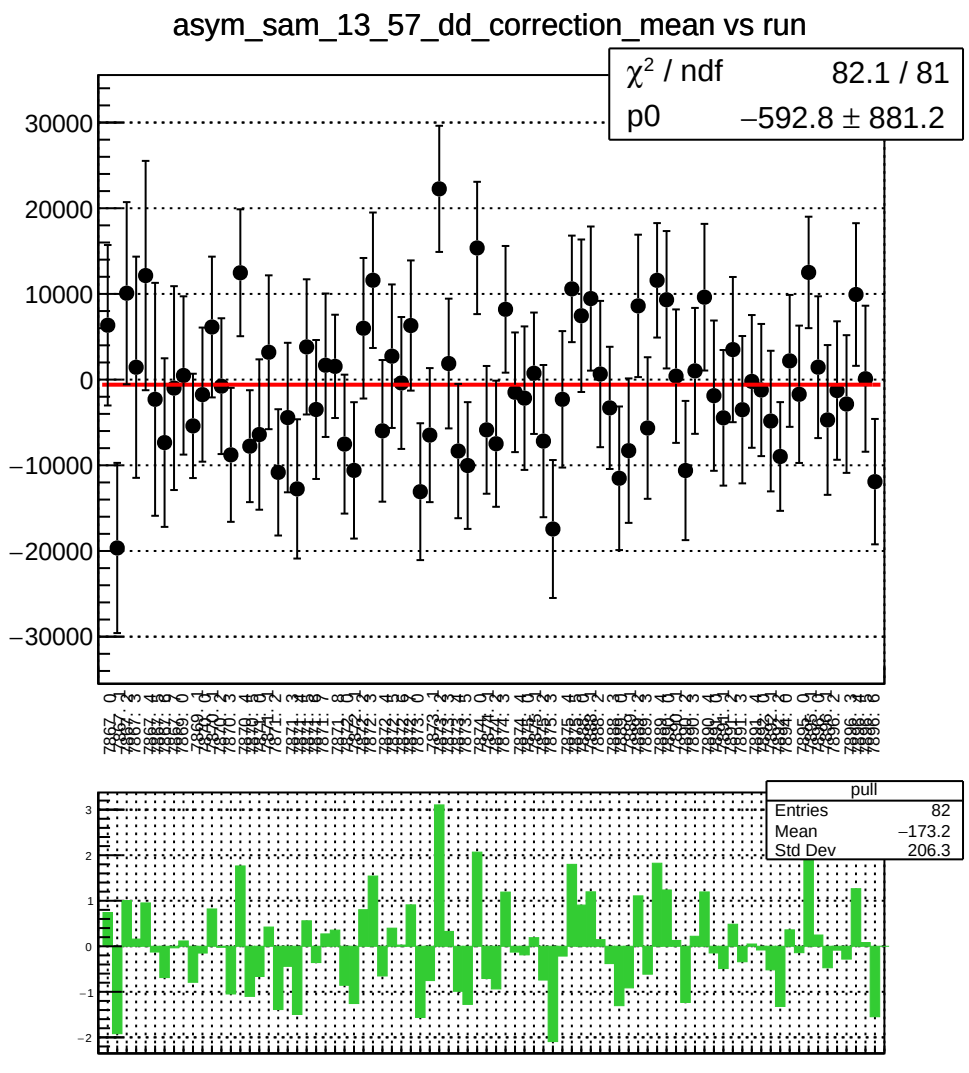

pull1D
Entries 82
Mean 0.02429
Std Dev 0.9719

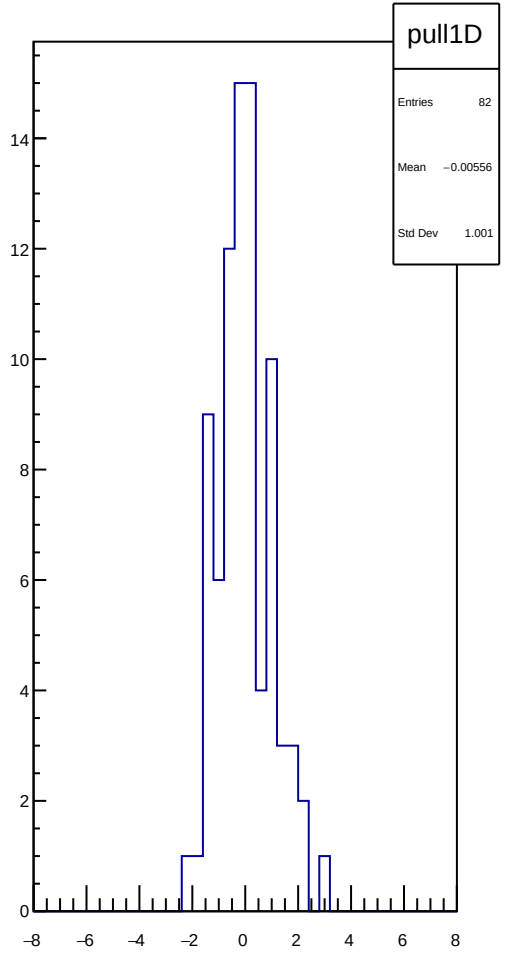

asym_sam_48_dd_rms vs run
χ^2 / ndf 2.597e+04 / 81
p0 2396 ± 1.925
5500
5000
4500
4000
3500
3000
2500
2000

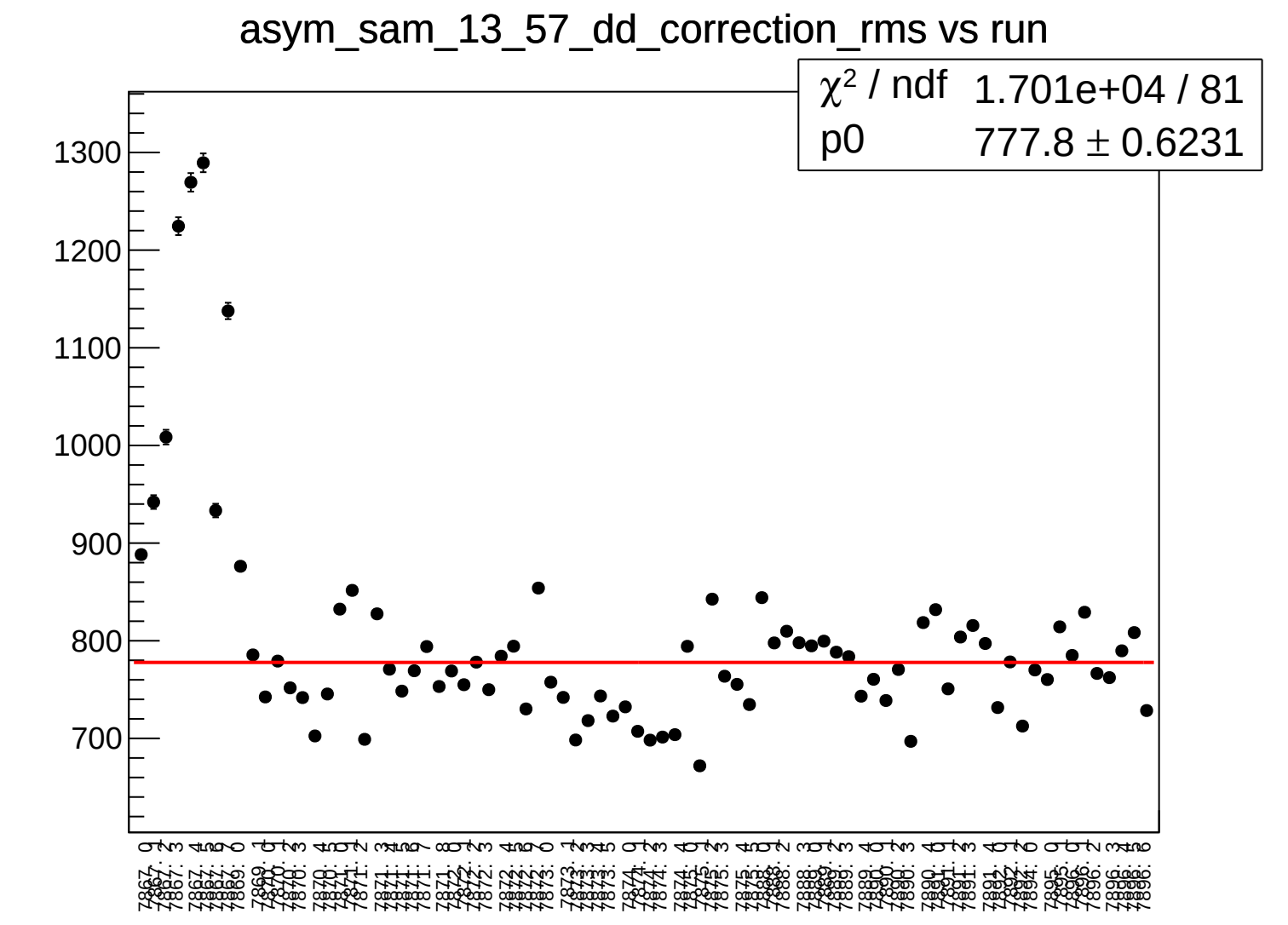

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 69.49 / 81
p0 78.81 ± 119.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −418.9
Std Dev 470.6
2
1
0
−1
−2
−3

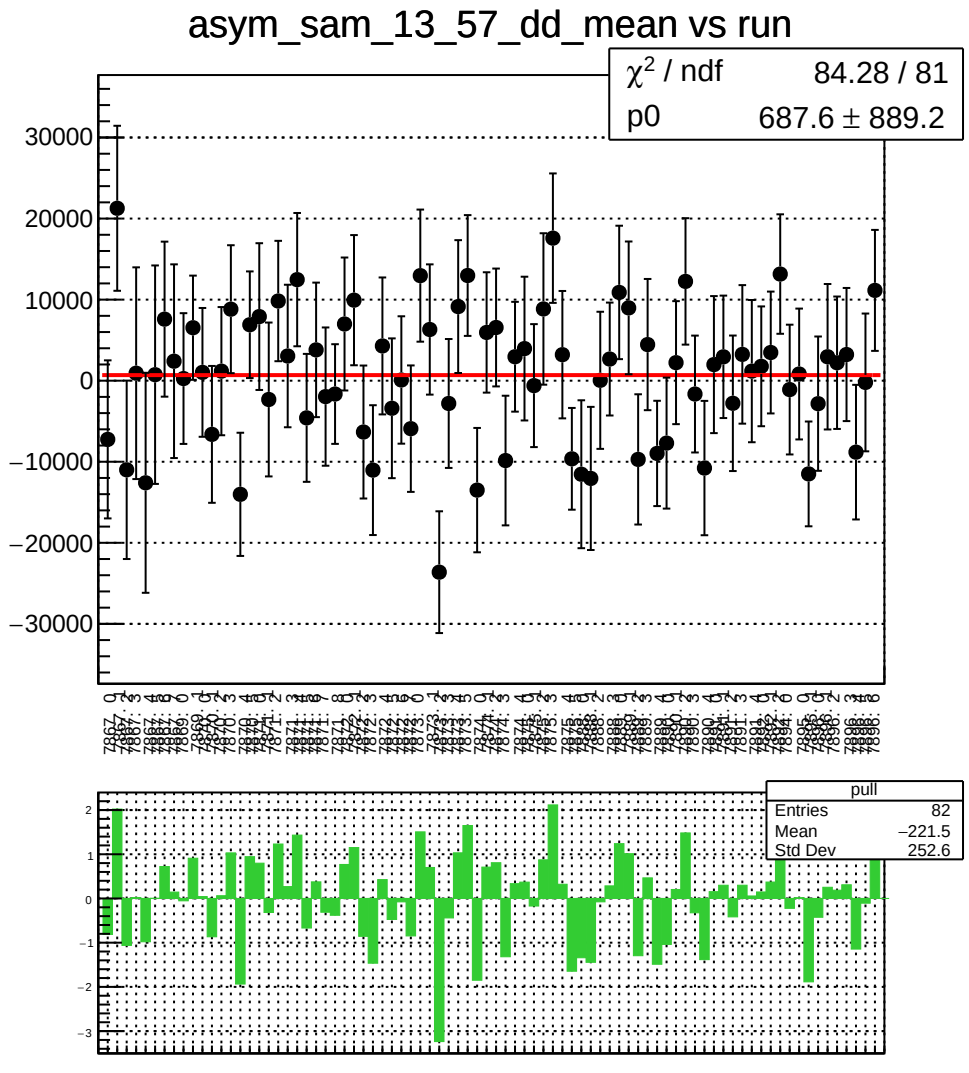

pull1D
Entries 82
Mean −0.003164
Std Dev 0.9205
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

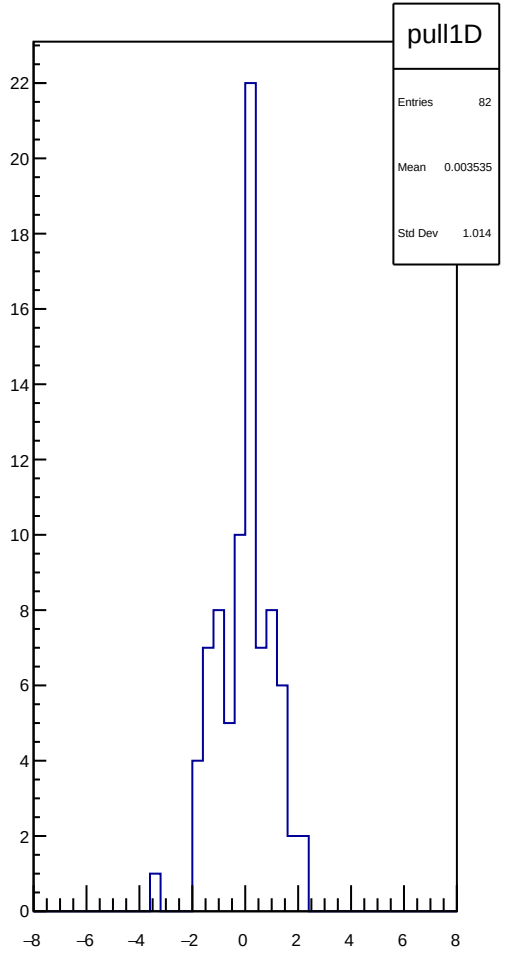

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 5.558e+04 / 81
p0 104 ± 0.08439
280
260
240
220
200
180
160
140
120
100
80

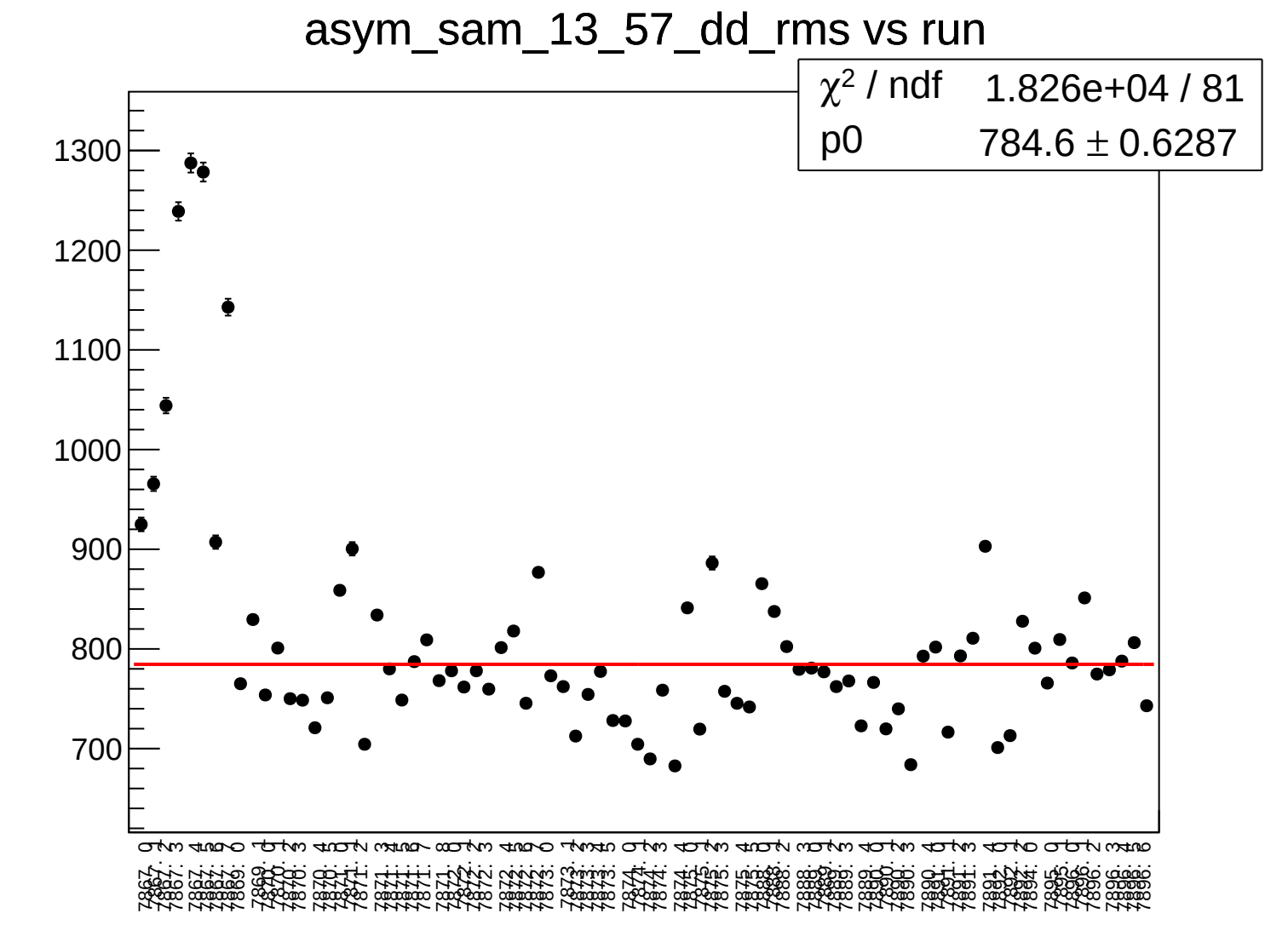

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 82.1 / 81
p0 −592.8 ± 881.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −173.2
Std Dev 206.3
3
2
1
0
−1
−2

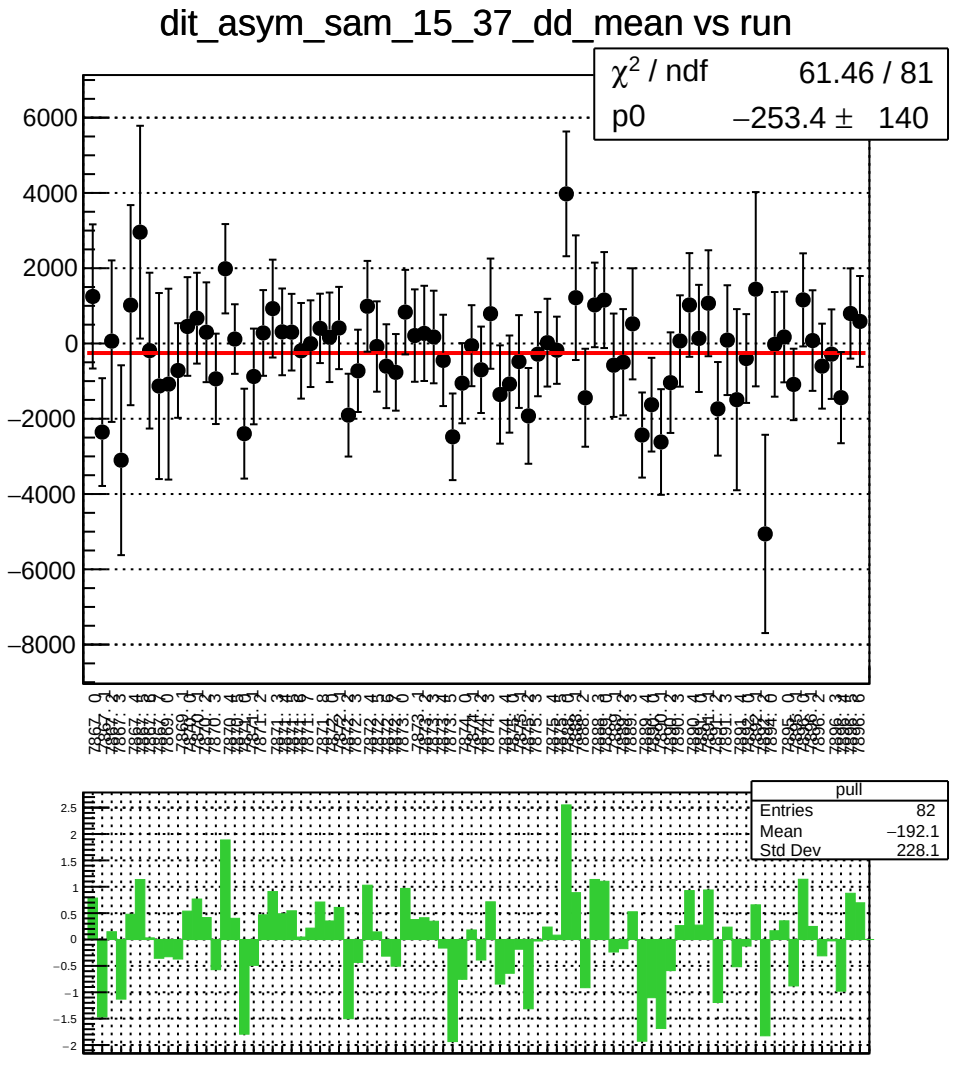

pull1D
Entries 82
Mean −0.00556
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

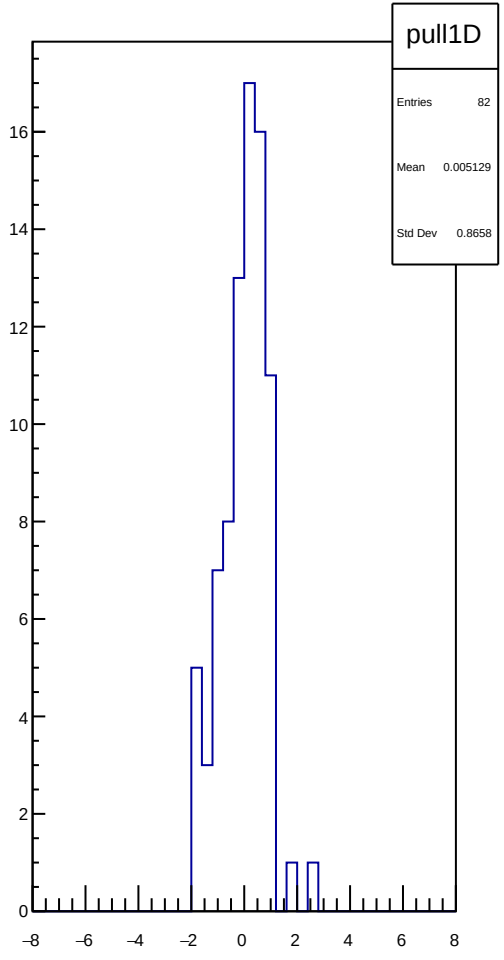

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.701e+04 / 81
p0 777.8 ± 0.6231
1300
1200
1100
1000
900
800
700

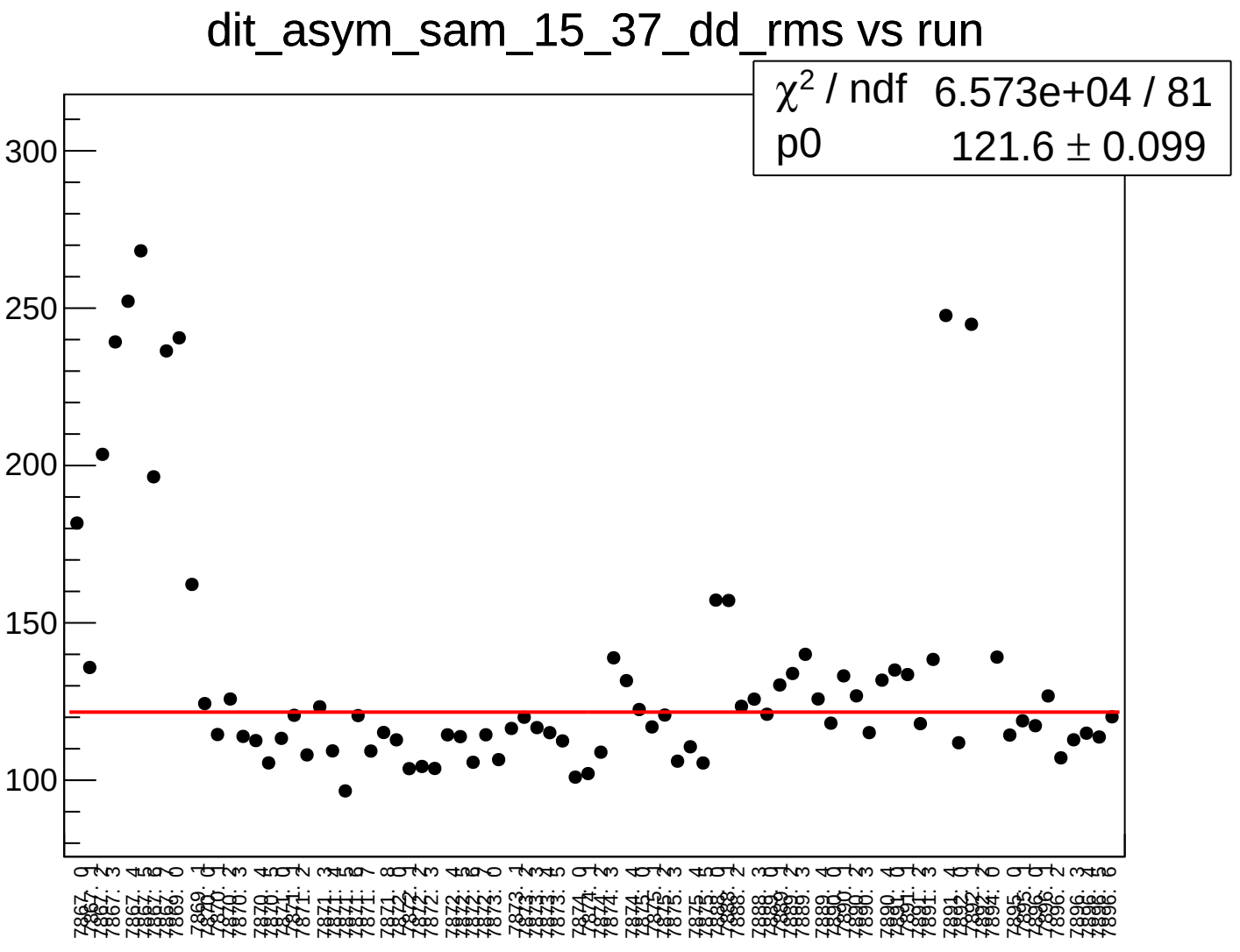

asym_sam_13_57_dd_mean vs run
χ² / ndf 84.28 / 81
p0 687.6 ± 889.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −221.5
Std Dev 252.6
2
1
0
−1
−2
−3

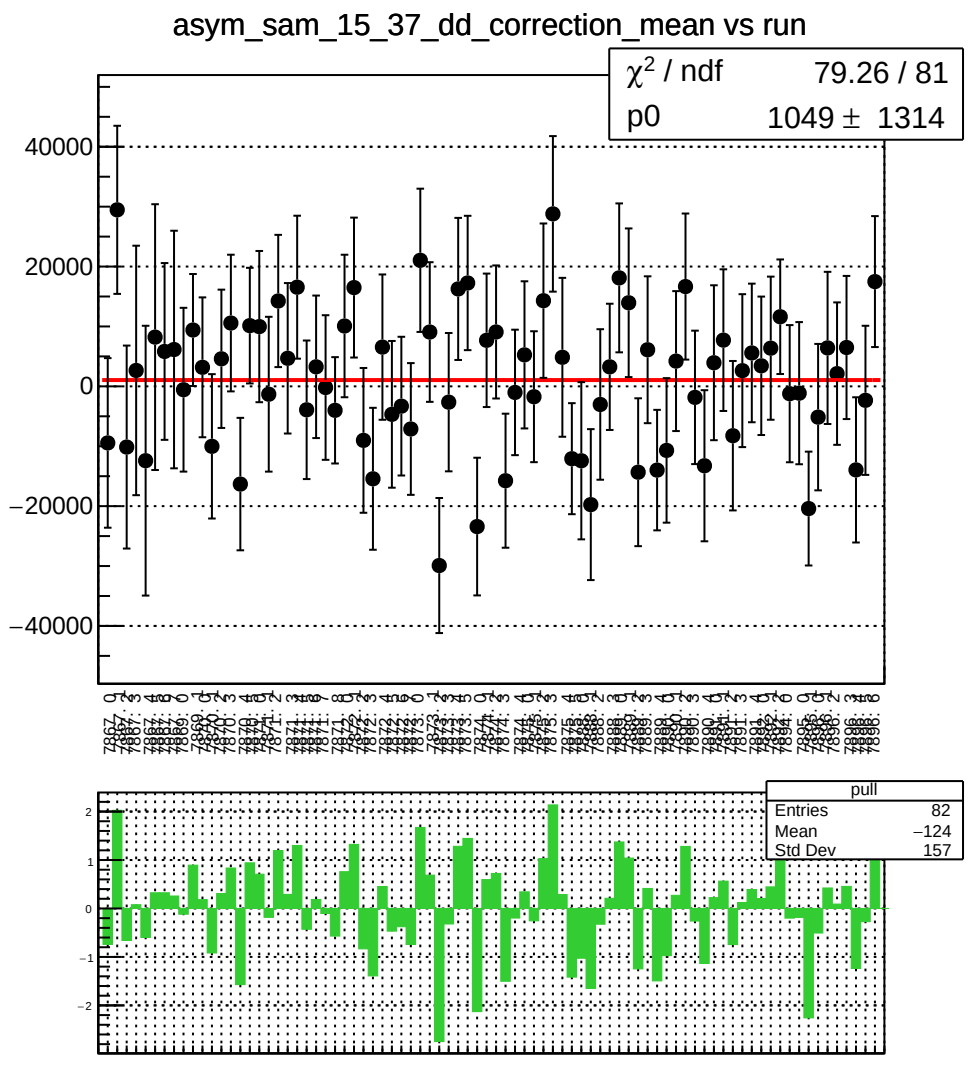

pull1D
Entries 82
Mean 0.003535
Std Dev 1.014
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

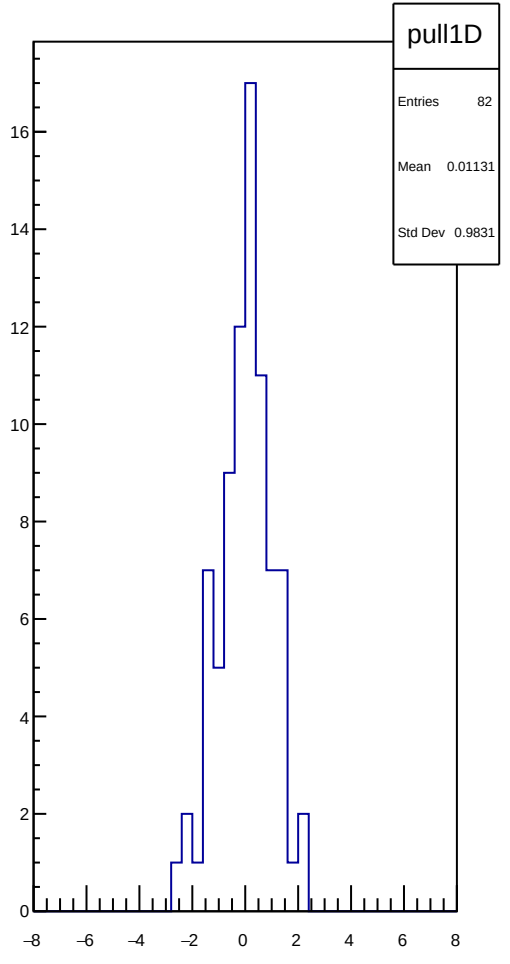

asym_sam_13_57_dd_rms vs run
χ² / ndf 1.826e+04 / 81
p0 784.6 ± 0.6287
1300
1200
1100
1000
900
800
700

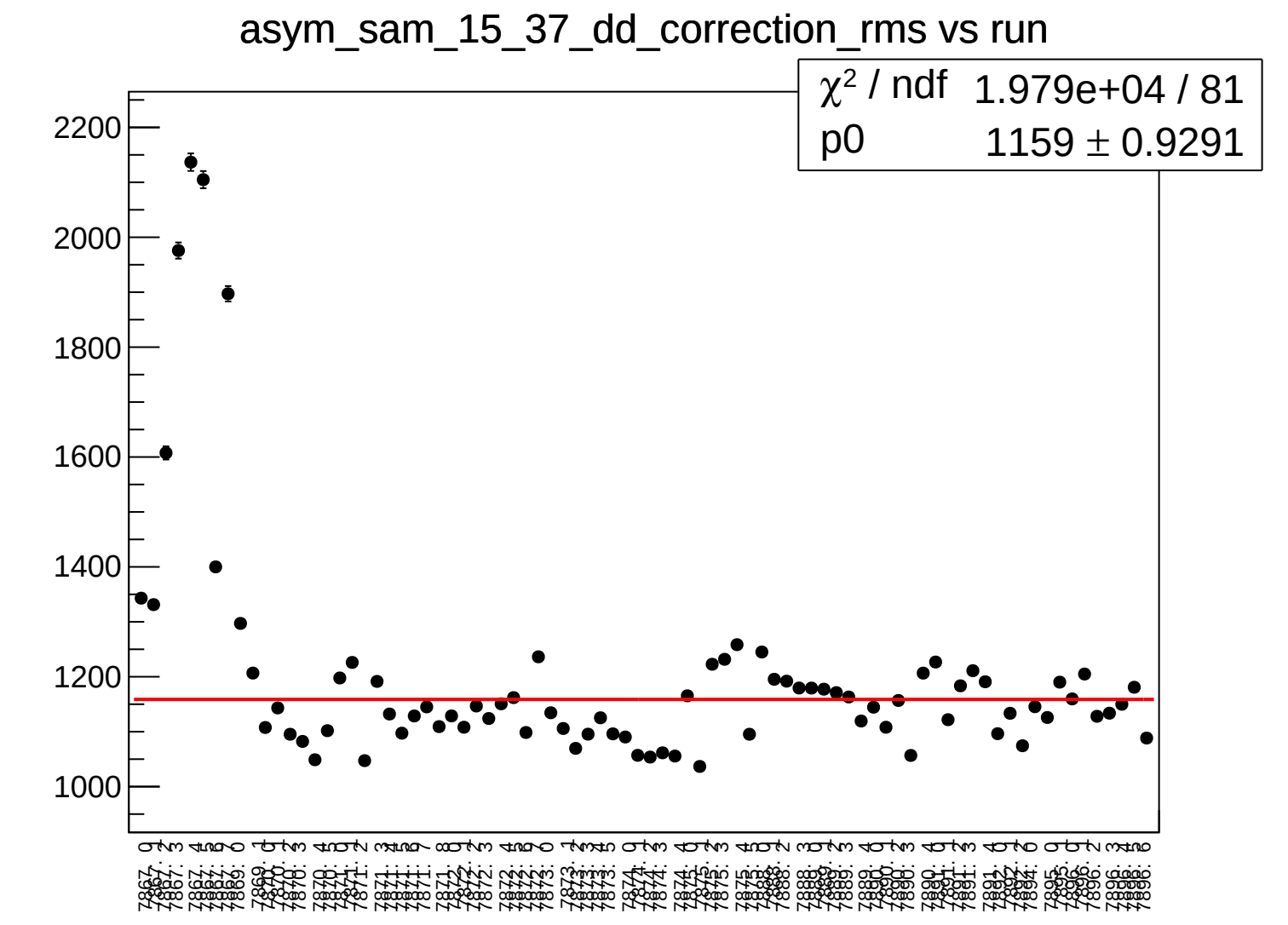

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 61.46 / 81
p0 −253.4 ± 140
pull
Entries 82
Mean −192.1
Std Dev 228.1

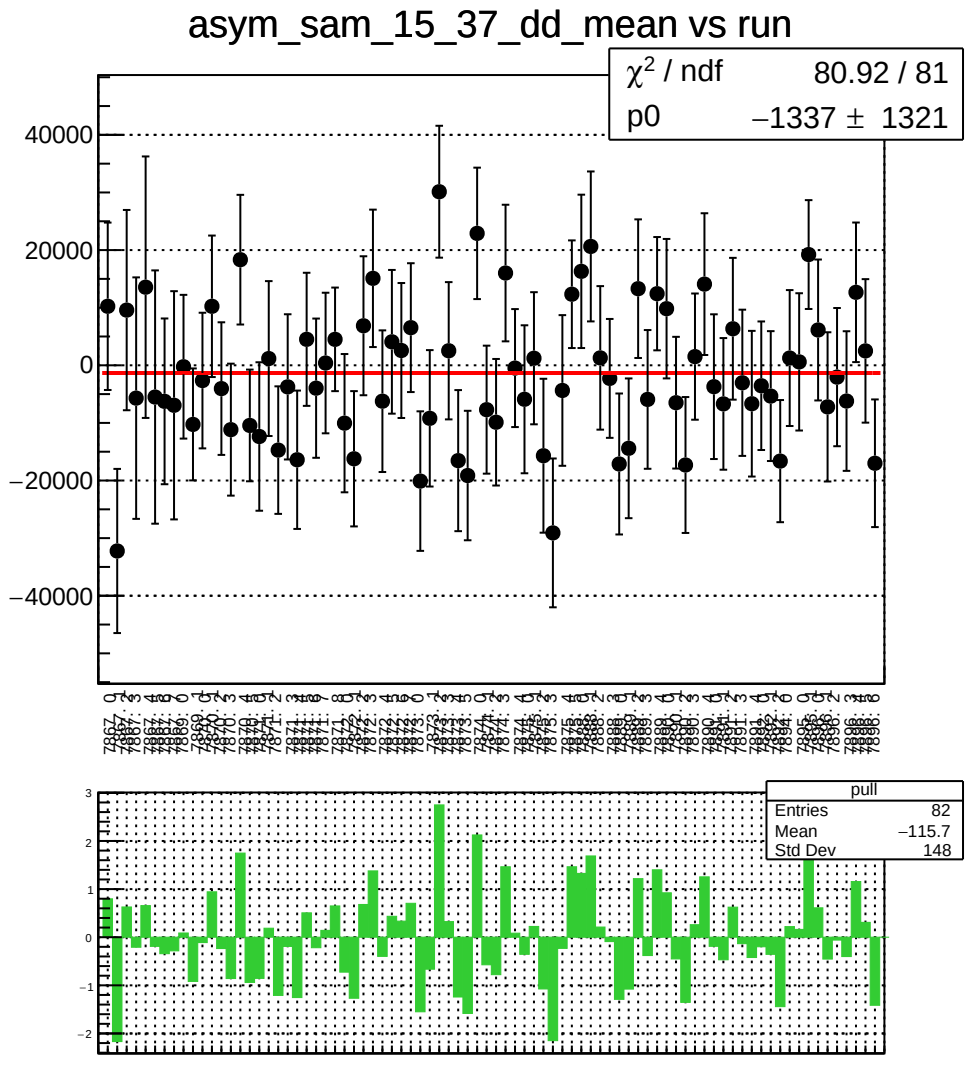

pull1D
Entries 82
Mean 0.005129
Std Dev 0.8658

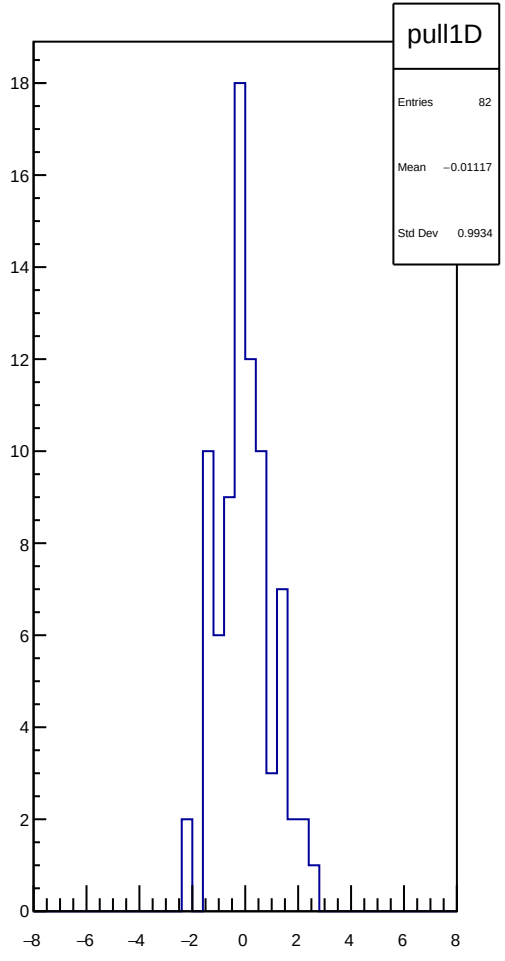

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6.573e+04 / 81
p0 121.6 ± 0.099
300
250
200
150
100

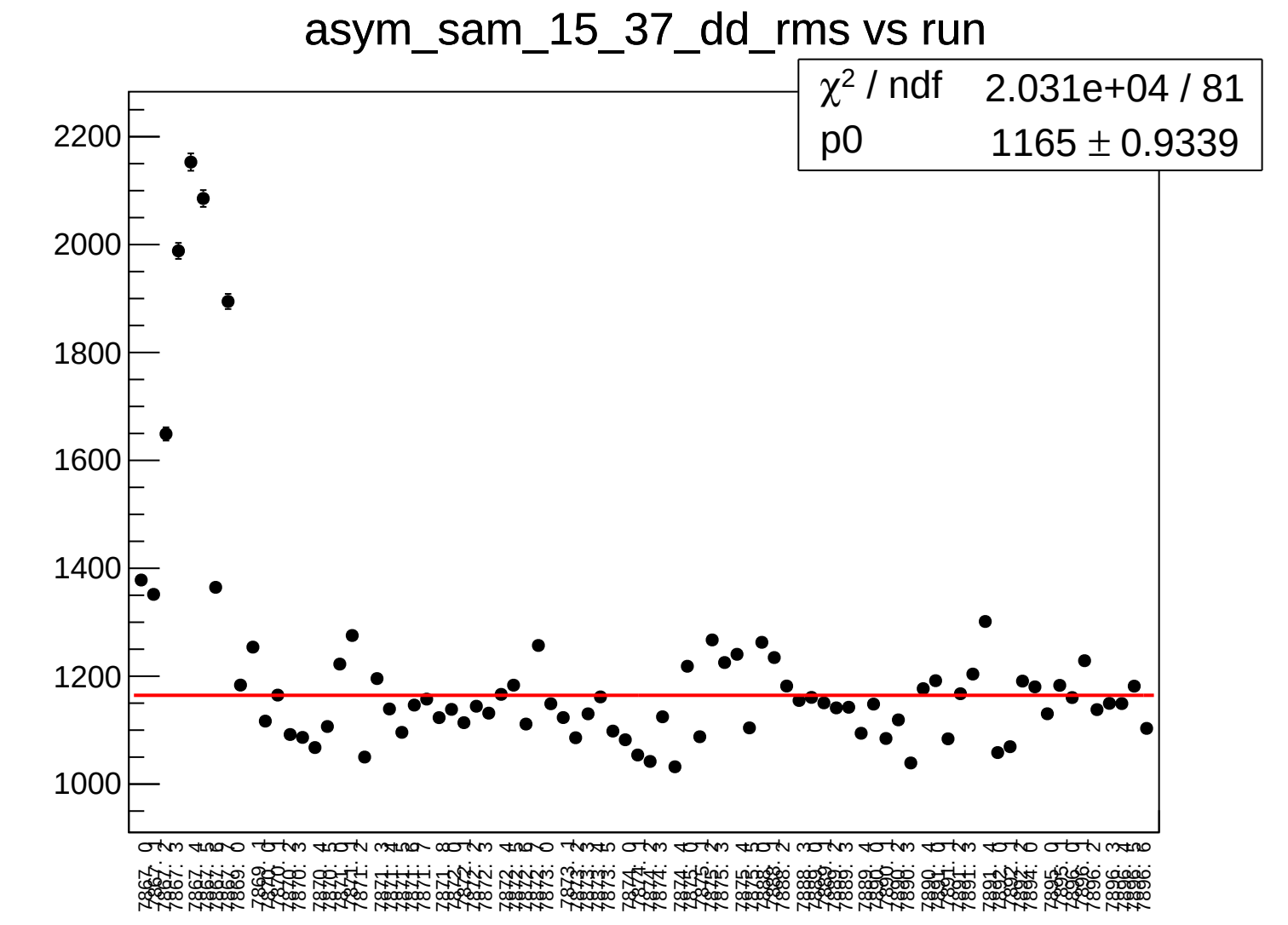

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 79.26 / 81
p0 1049 ± 1314
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −124
Std Dev 157
2
1
0
−1
−2

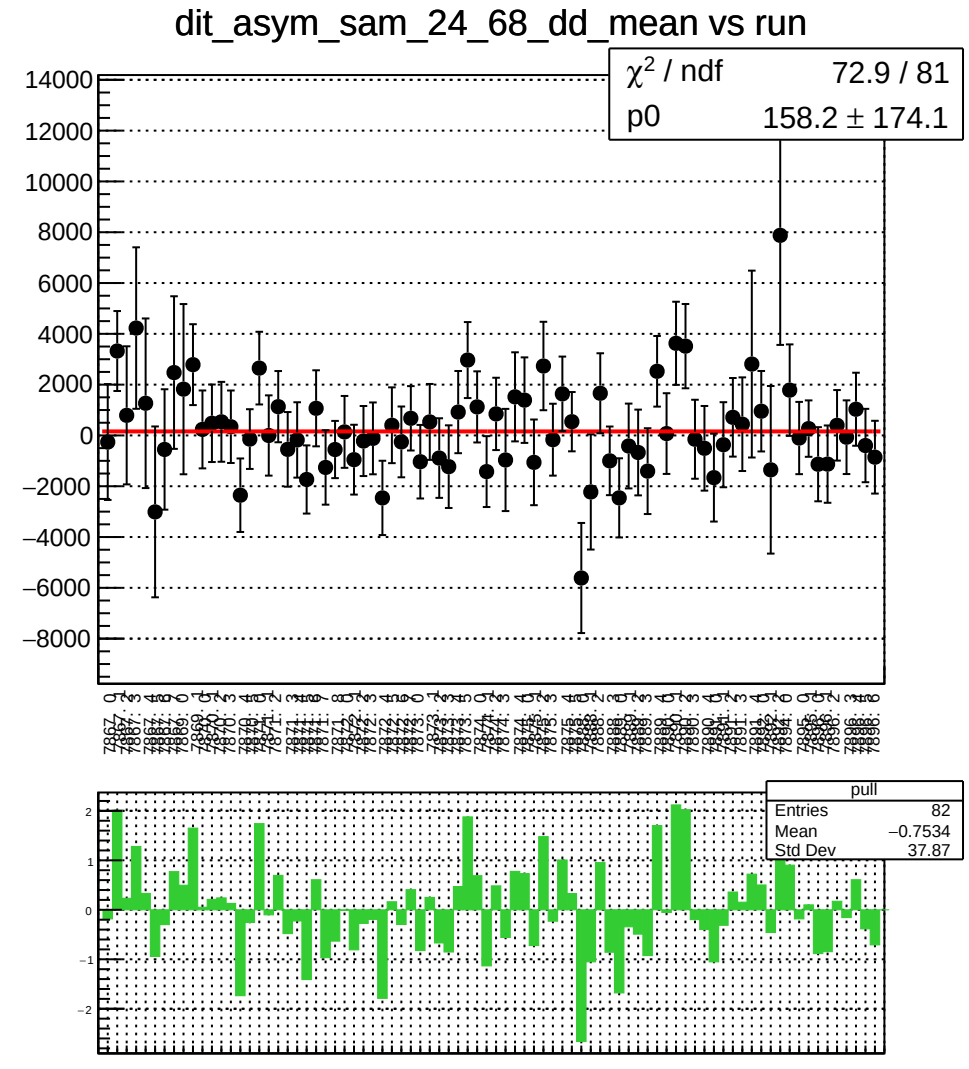

pull1D
Entries 82
Mean 0.01131
Std Dev 0.9831
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

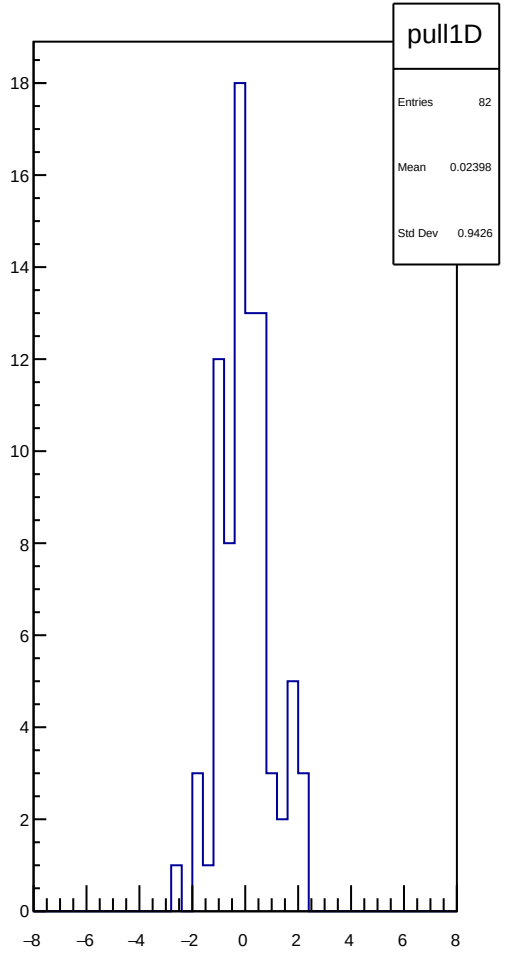

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.979e+04 / 81
p0 1159 ± 0.9291
2200
2000
1800
1600
1400
1200
1000

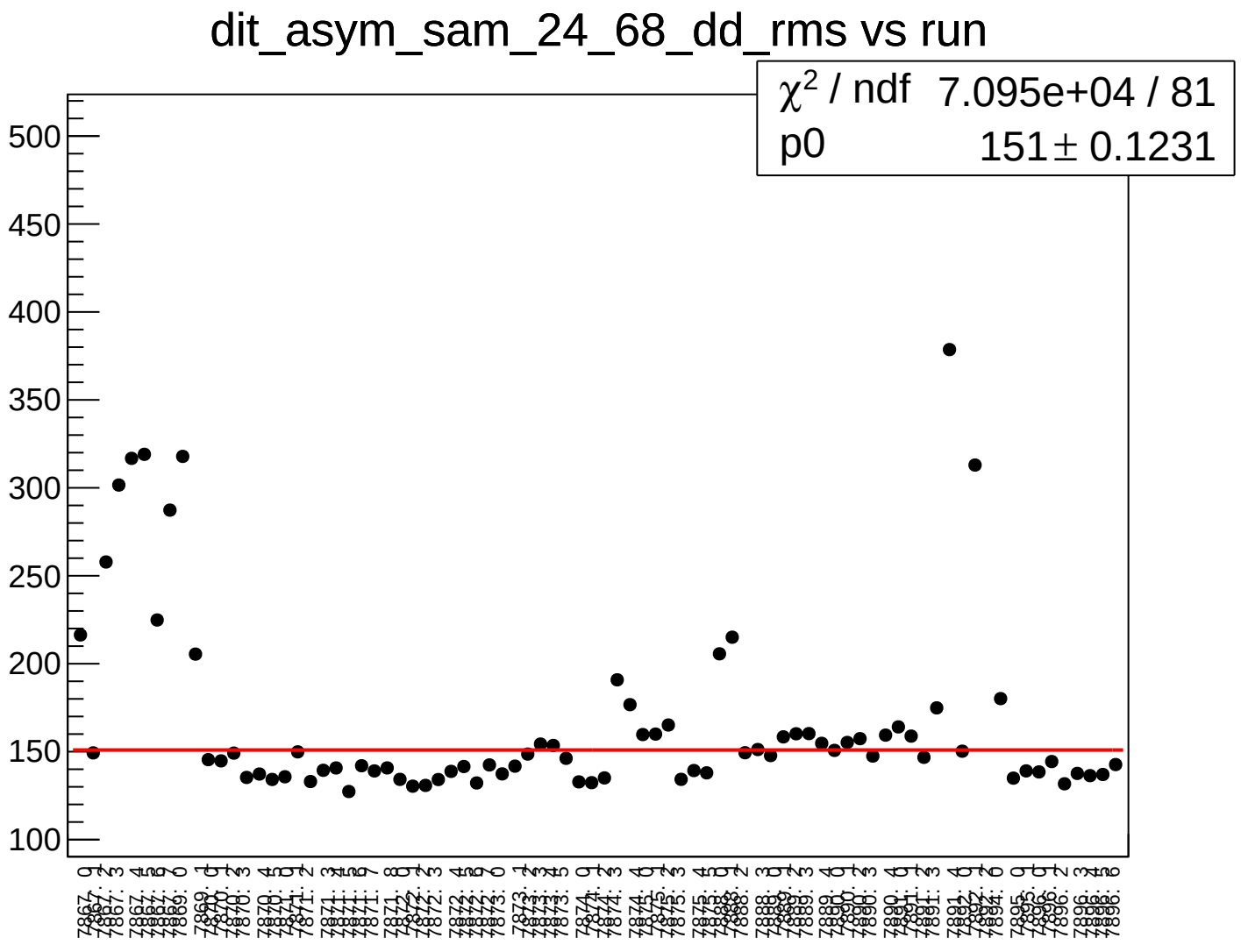

asym_sam_15_37_dd_mean vs run
χ² / ndf 80.92 / 81
p0 −1337 ± 1321
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −115.7
Std Dev 148
3
2
1
0
−1
−2

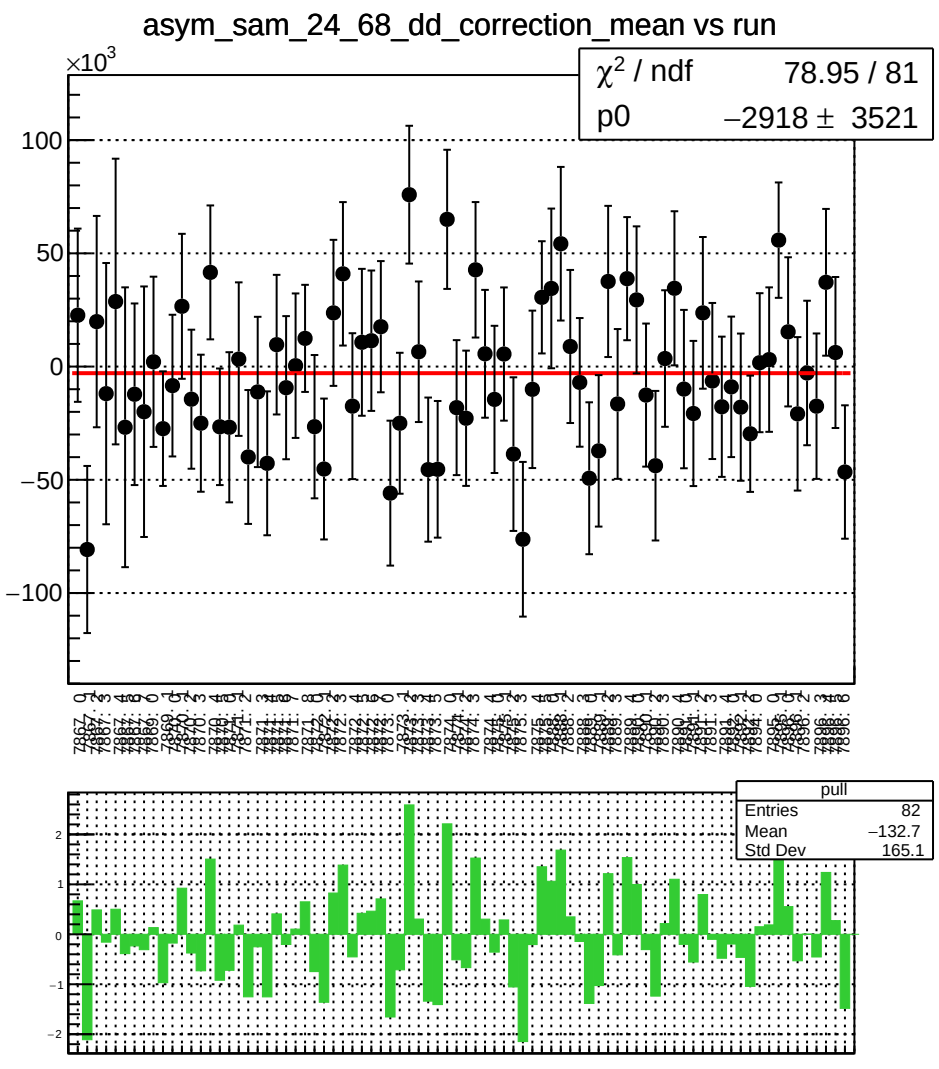

pull1D
Entries 82
Mean −0.01117
Std Dev 0.9934
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

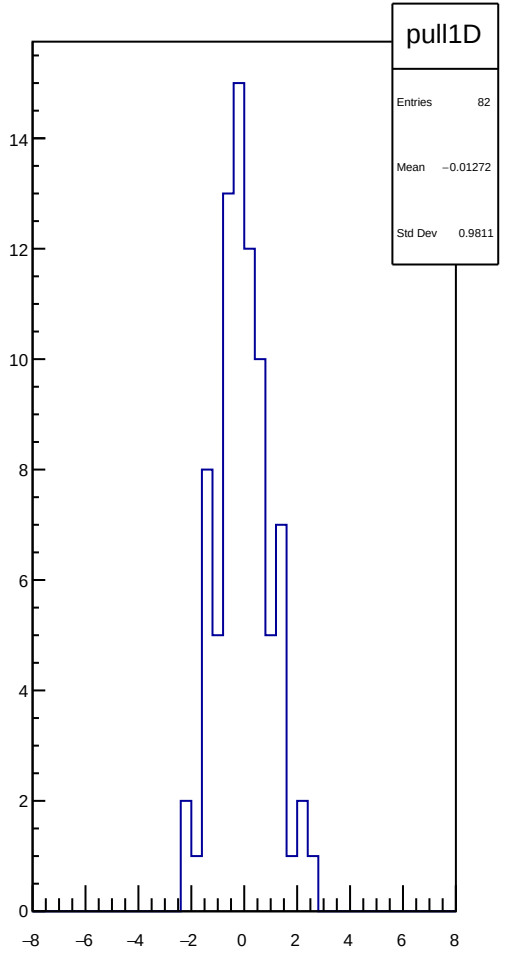

asym_sam_15_37_dd_rms vs run
χ² / ndf 2.031e+04 / 81
p0 1165 ± 0.9339
2200
2000
1800
1600
1400
1200
1000

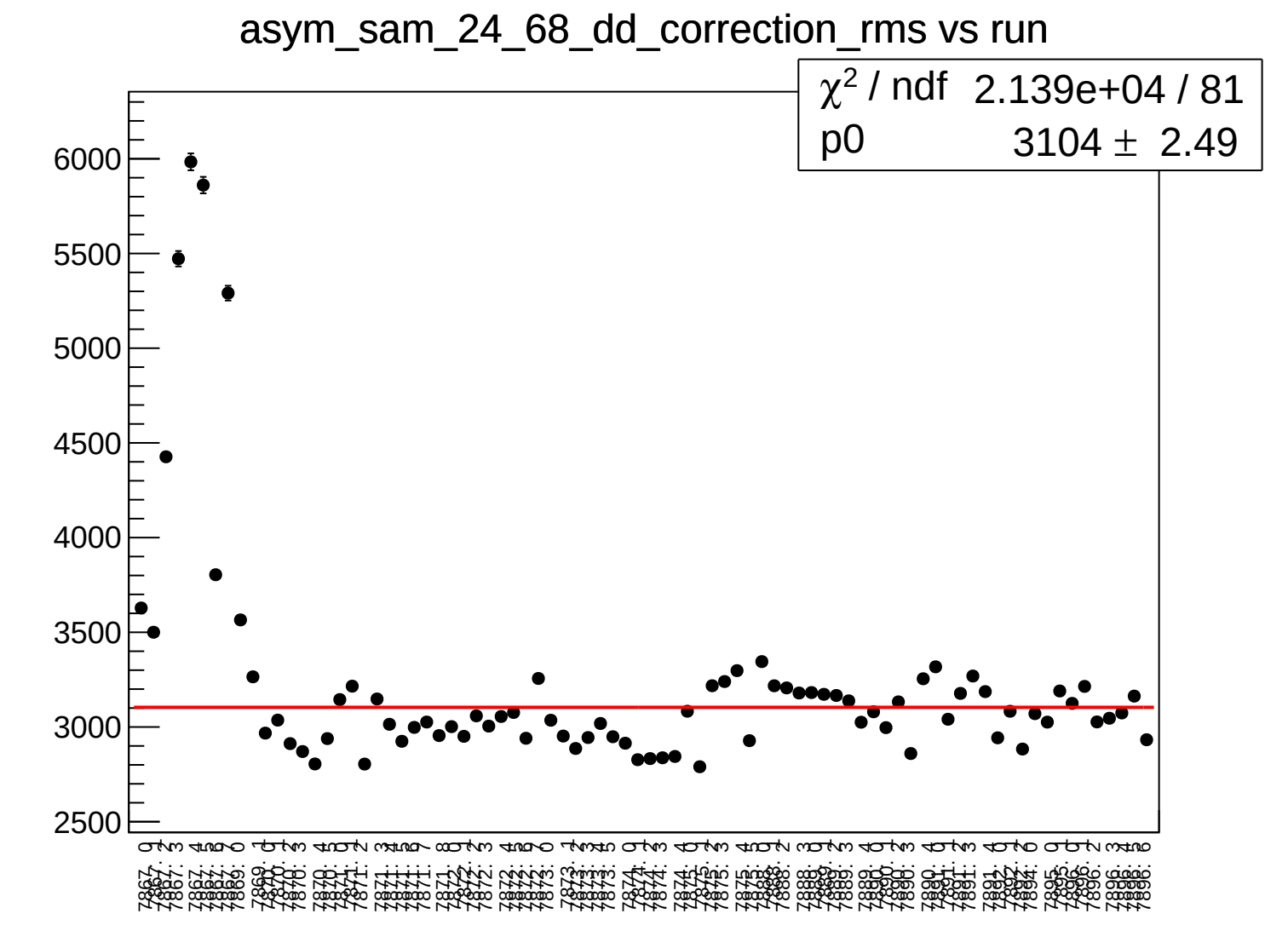

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 72.9 / 81
p0 158.2 ± 174.1
pull
Entries 82
Mean −0.7534
Std Dev 37.87

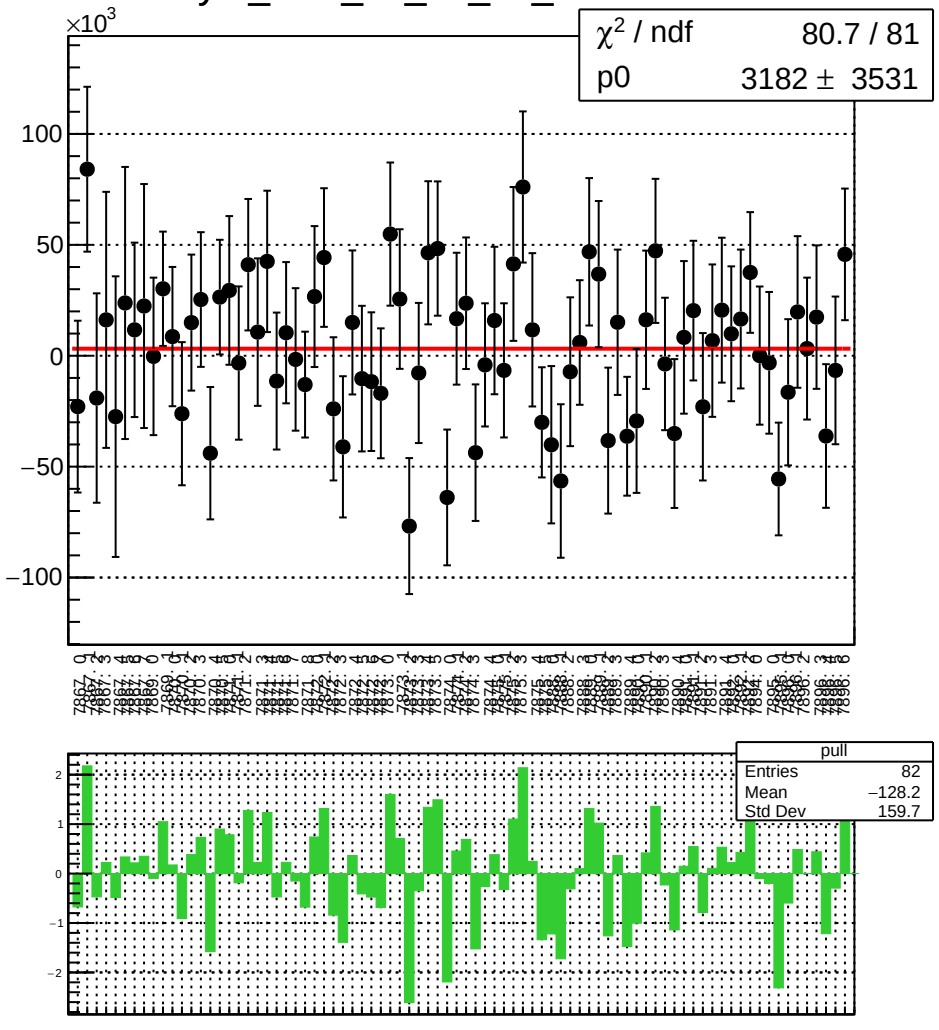

pull1D
Entries 82
Mean 0.02398
Std Dev 0.9426

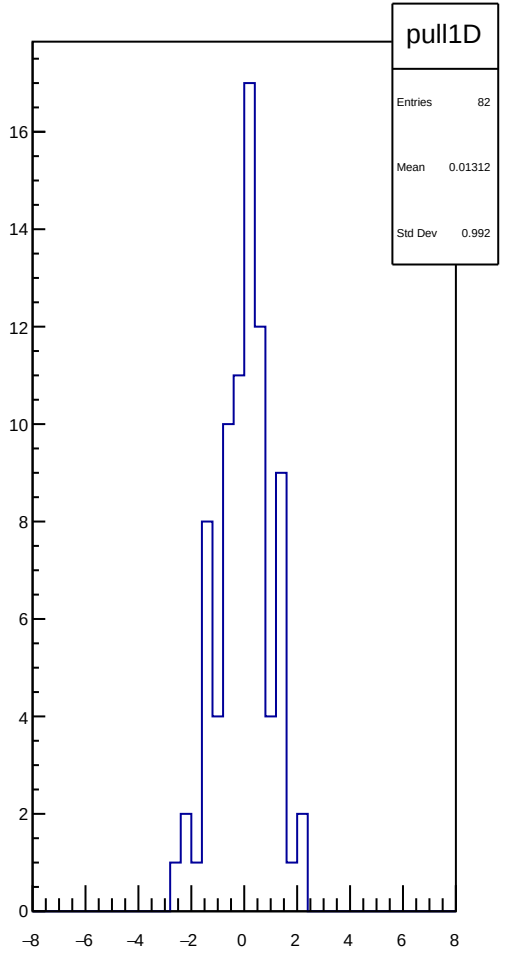

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 7.095e+04 / 81
p0 151 ± 0.1231
500
450
400
350
300
250
200
150
100

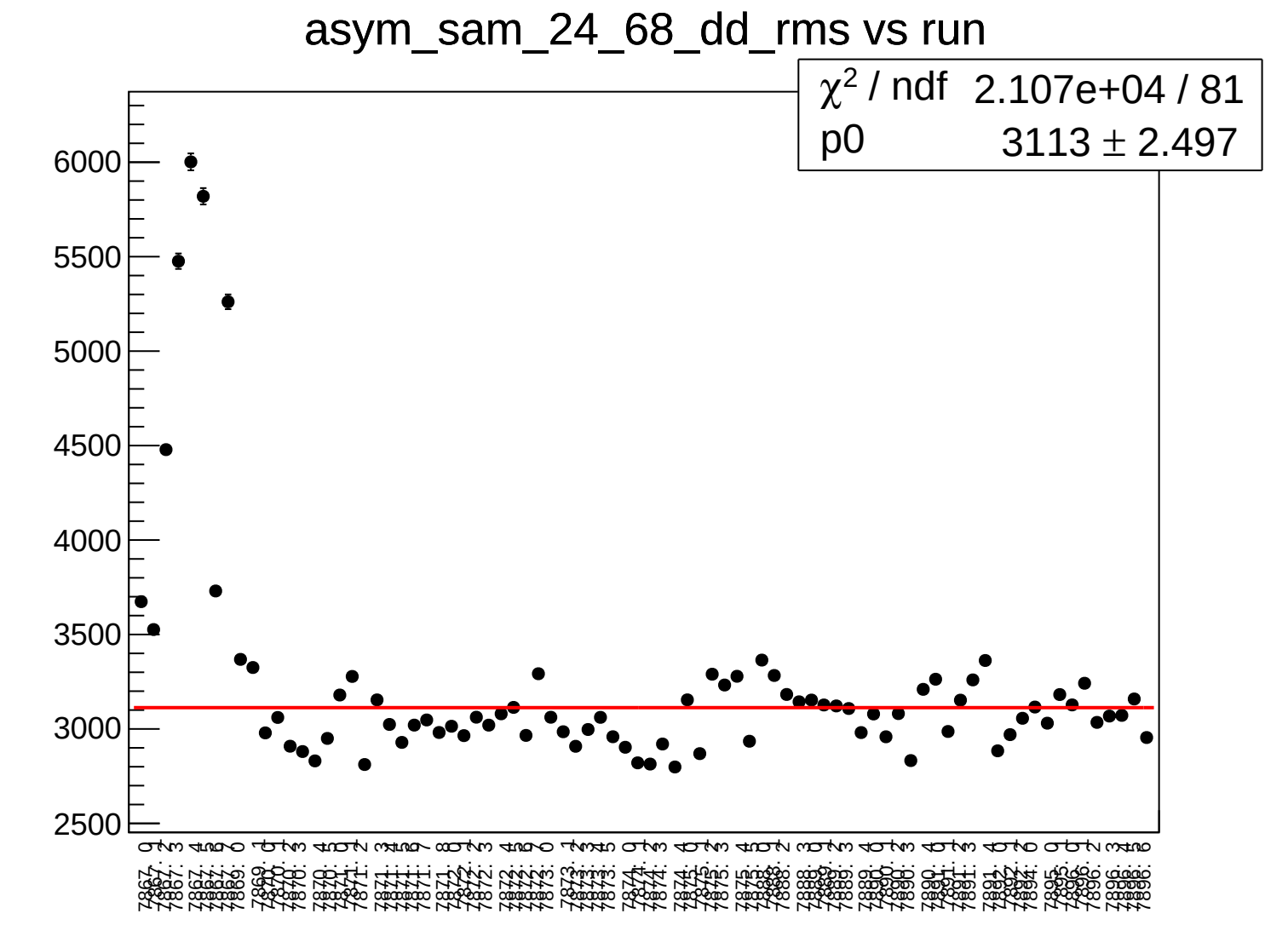

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 78.95 / 81
p0 −2918 ± 3521
100
50
0
−50
−100
pull
Entries 82
Mean −132.7
Std Dev 165.1
2
1
0
−1
−2

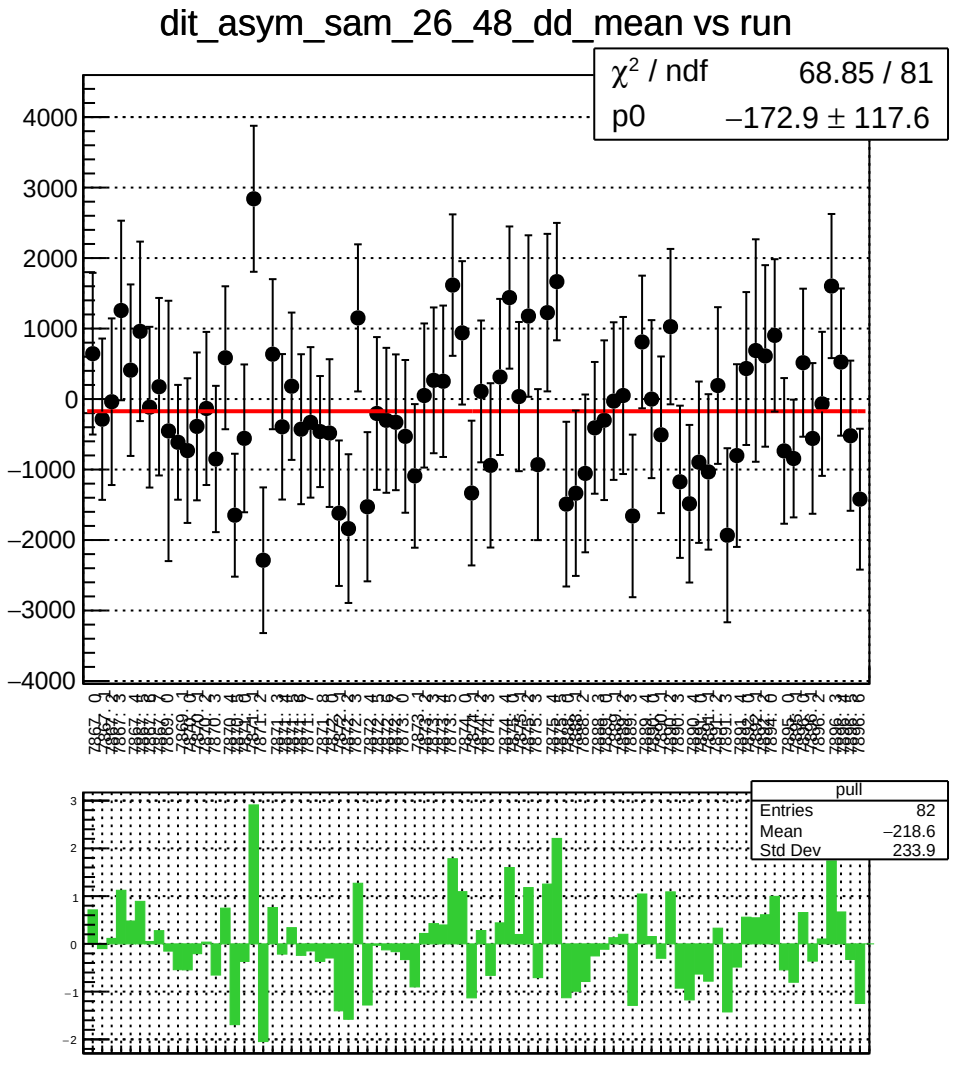

pull1D
Entries 82
Mean −0.01272
Std Dev 0.9811
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

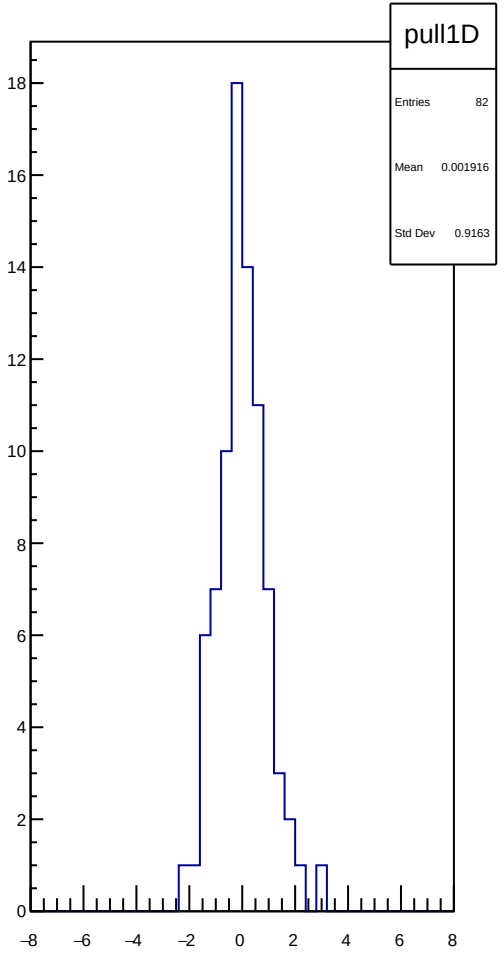

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2.139e+04 / 81
p0 3104 ± 2.49
6000
5500
5000
4500
4000
3500
3000
2500

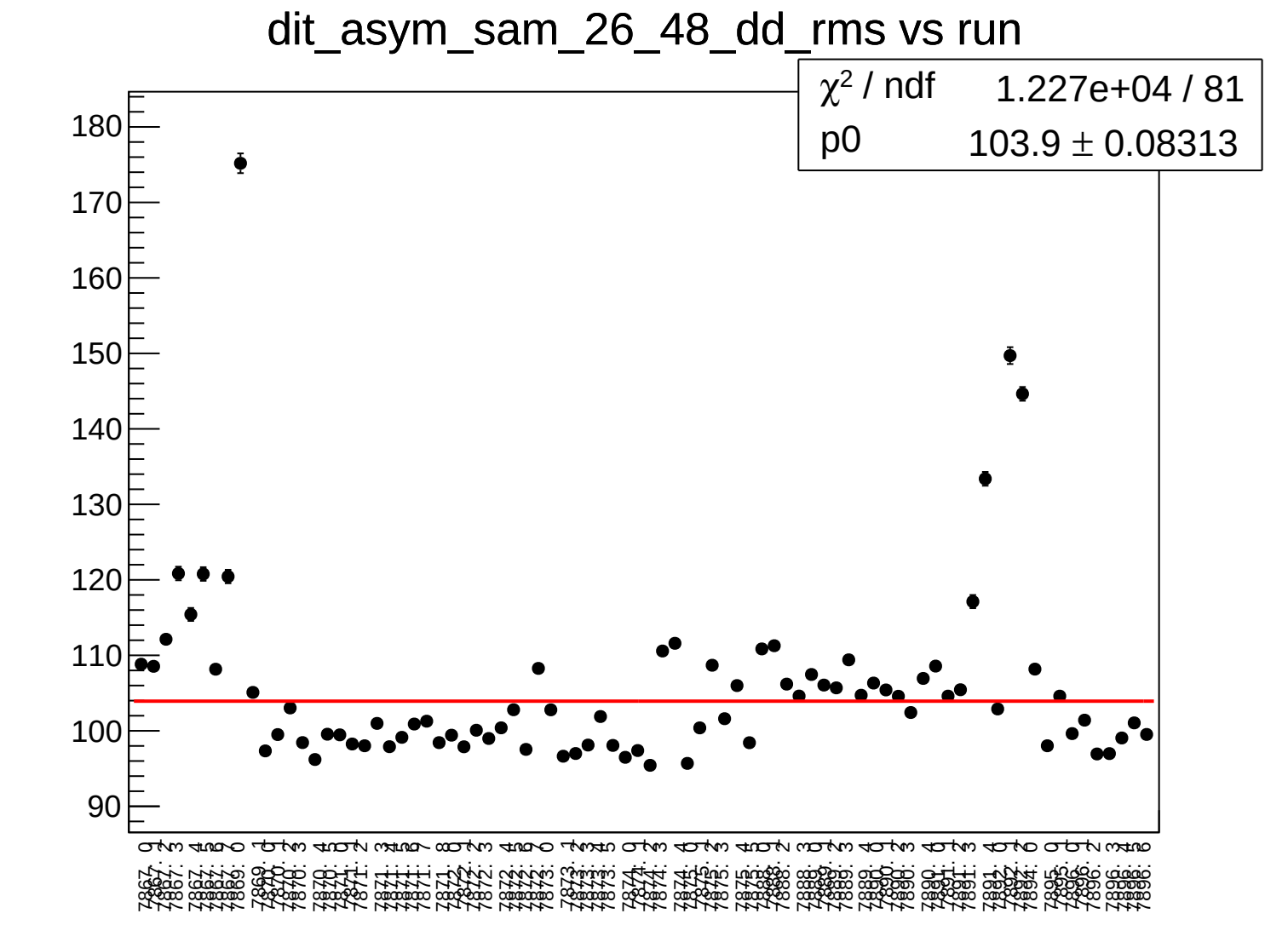

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 80.7 / 81
p0 3182 ± 3531
100
50
0
−50
−100
pull
Entries 82
Mean −128.2
Std Dev 159.7
2
1
0
−1
−2

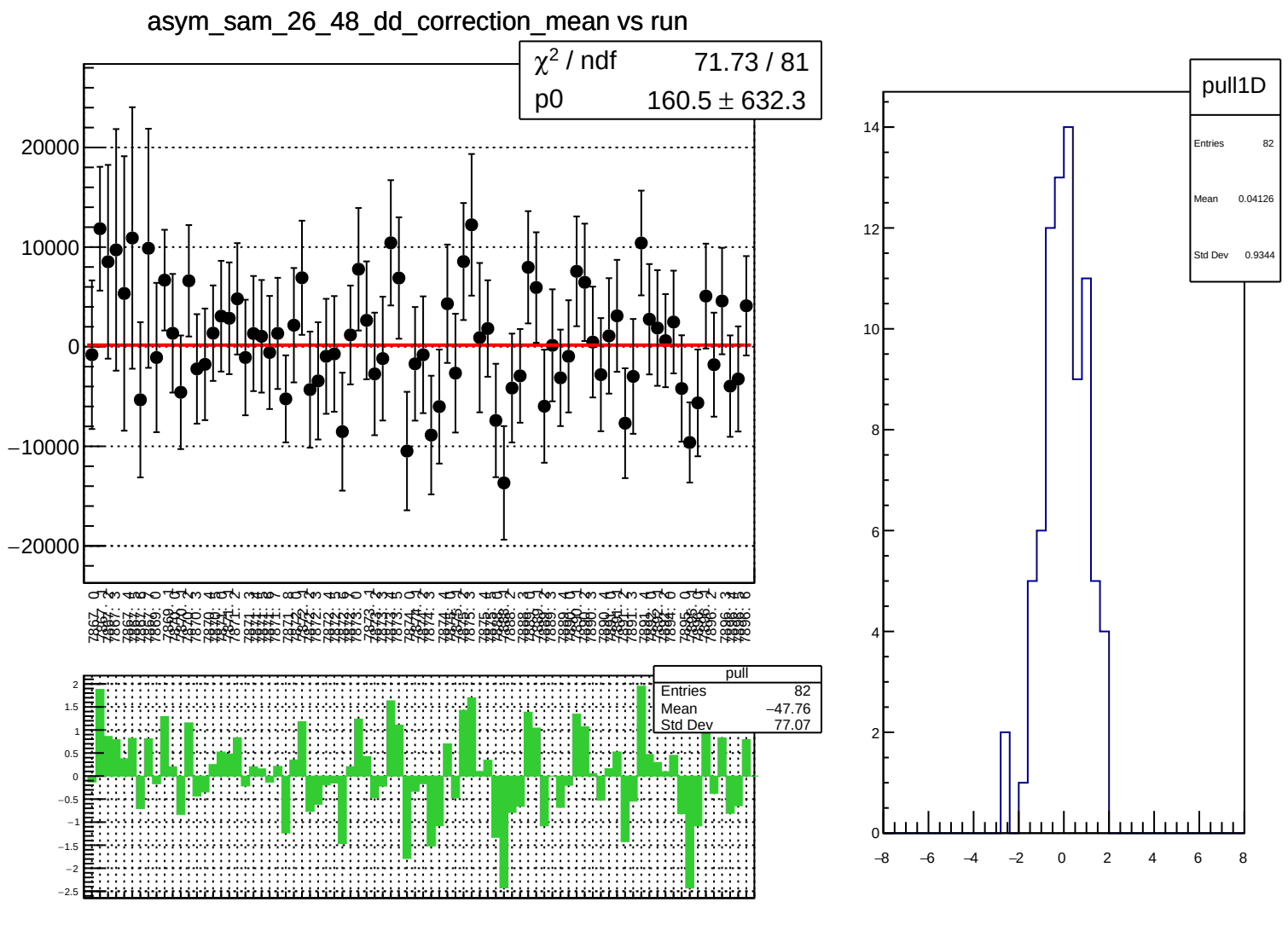

pull1D
Entries 82
Mean 0.01312
Std Dev 0.992
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

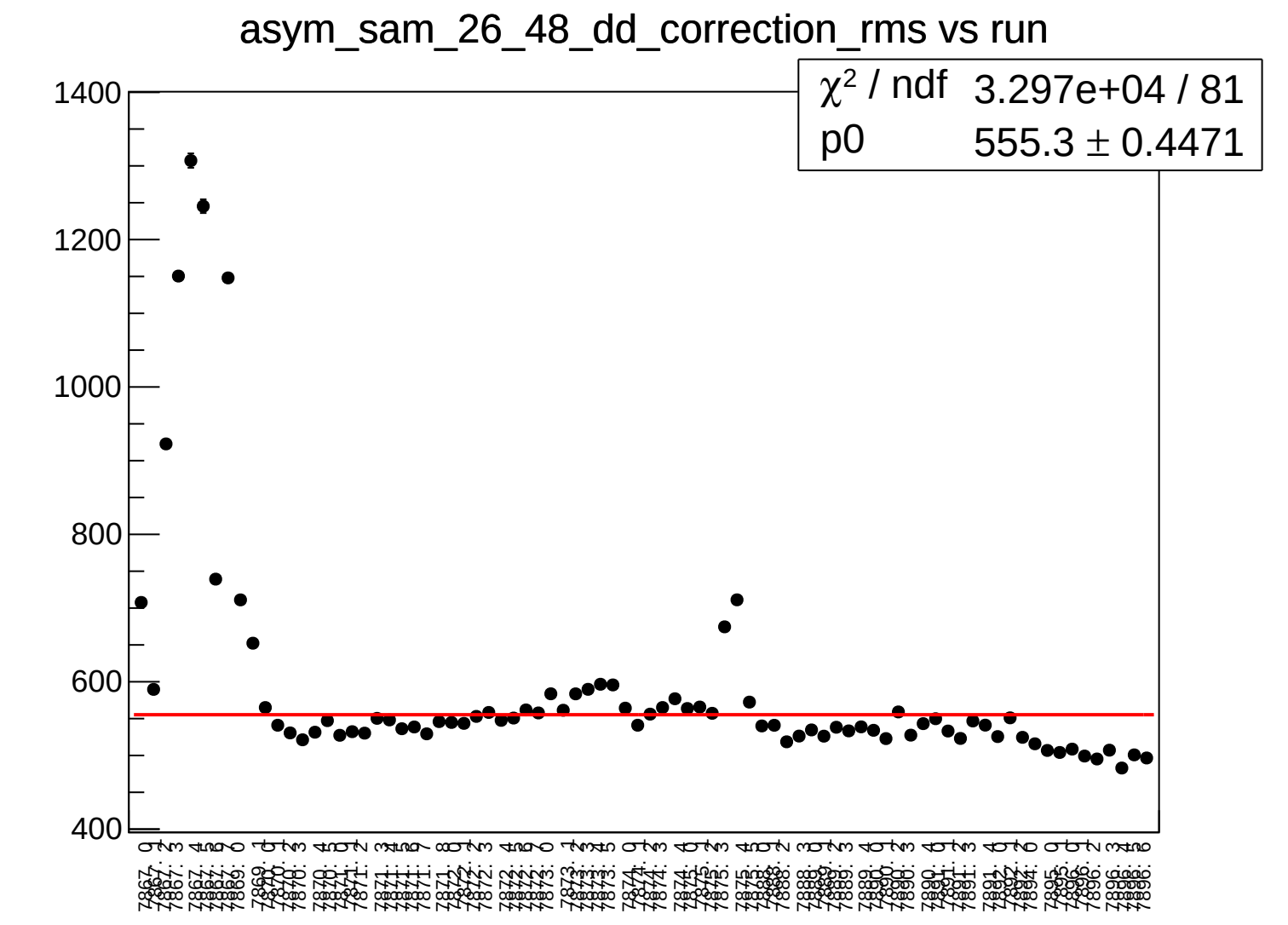

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2.107e+04 / 81
p0 3113 ± 2.497
6000
5500
5000
4500
4000
3500
3000
2500

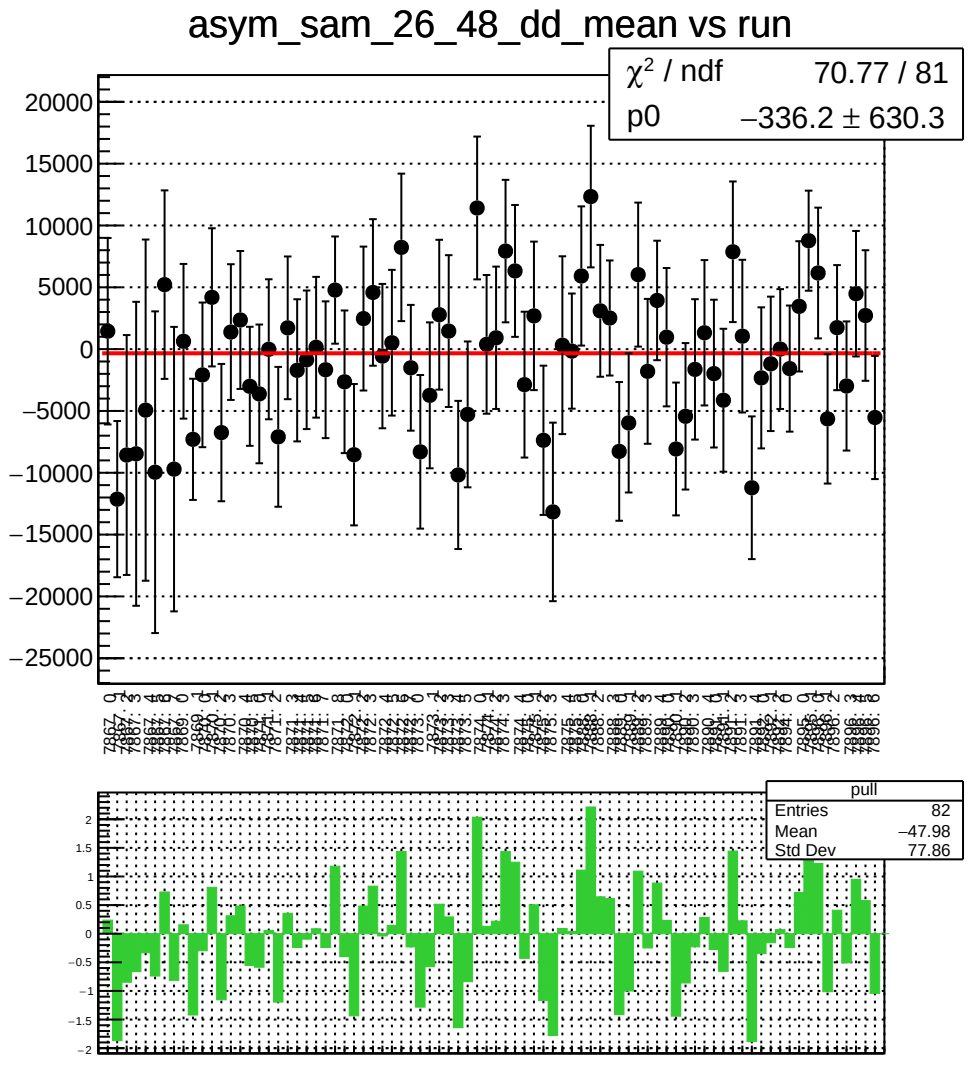

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 68.85 / 81
p0 −172.9 ± 117.6
pull
Entries 82
Mean −218.6
Std Dev 233.9

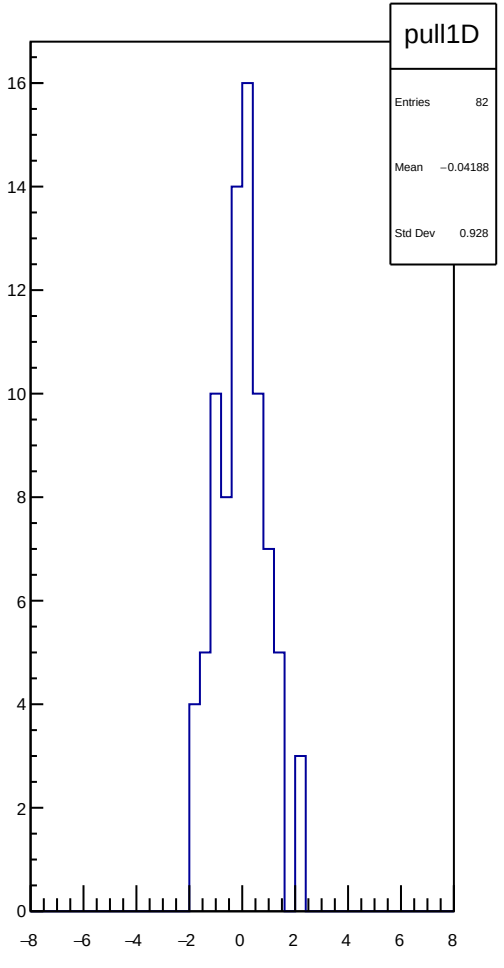

pull1D
Entries 82
Mean 0.001916
Std Dev 0.9163

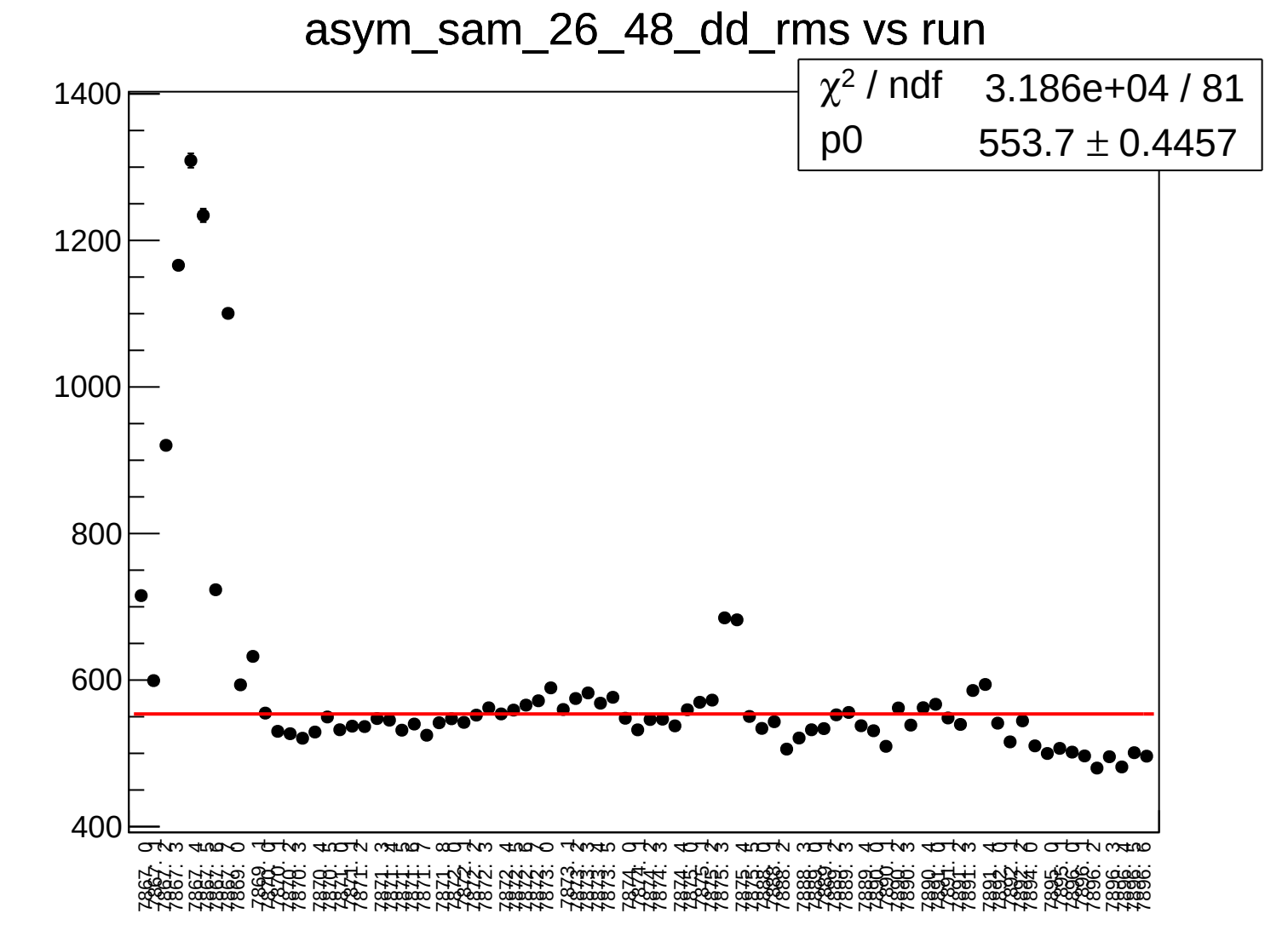

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.227e+04 / 81
p0 103.9 ± 0.08313
180
170
160
150
140
130
120
110
100
90

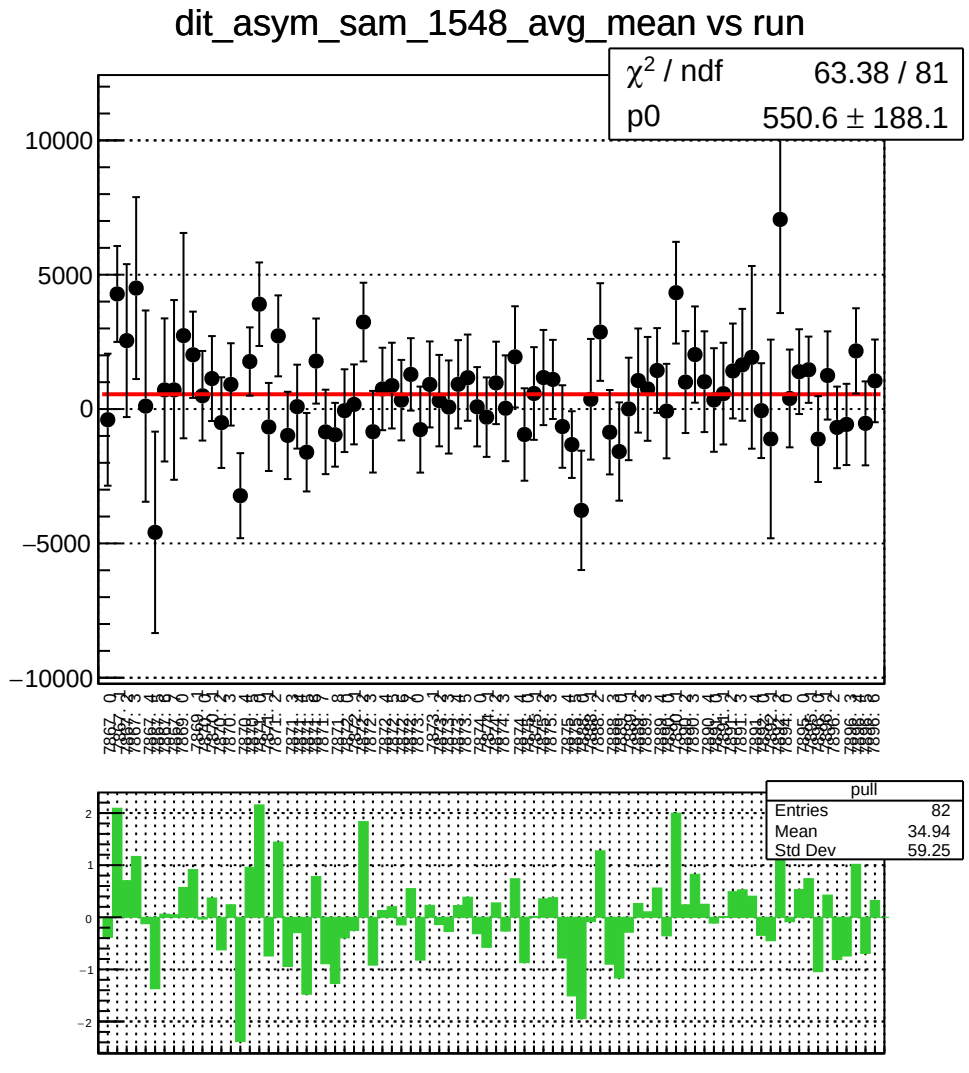

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 71.73 / 81
p0 160.5 ± 632.3
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −47.76
Std Dev 77.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean 0.04126
Std Dev 0.9344
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

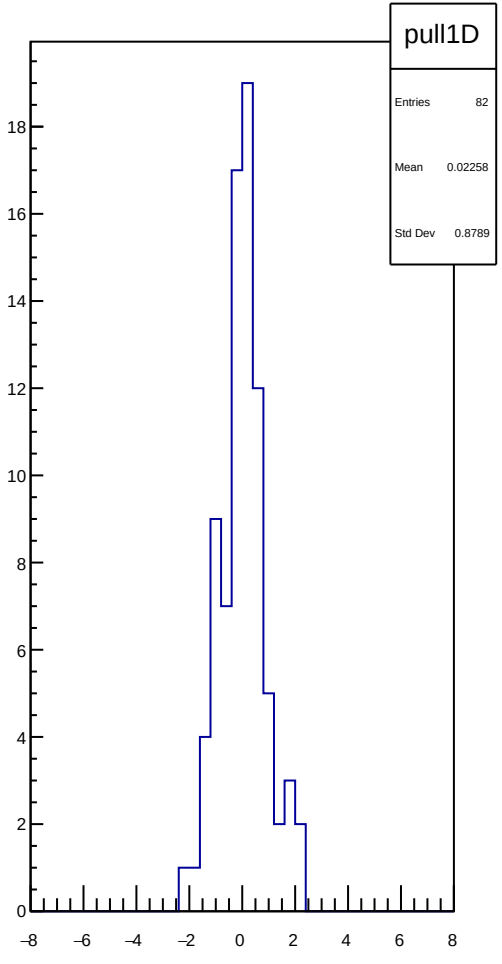

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3.297e+04 / 81
p0 555.3 ± 0.4471
1400
1200
1000
800
600
400

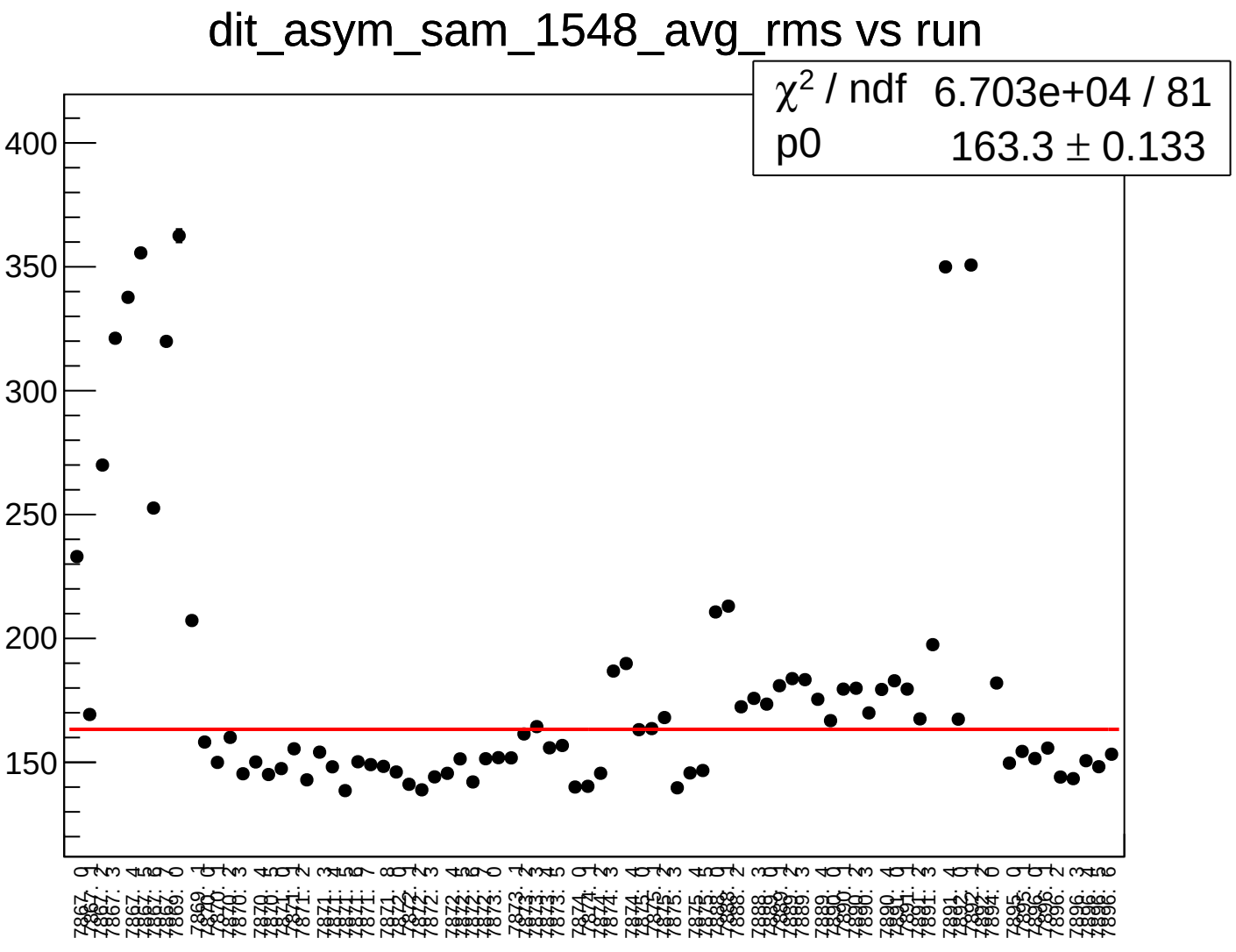

asym_sam_26_48_dd_mean vs run
χ² / ndf 70.77 / 81
p0 −336.2 ± 630.3
pull
Entries 82
Mean −47.98
Std Dev 77.86

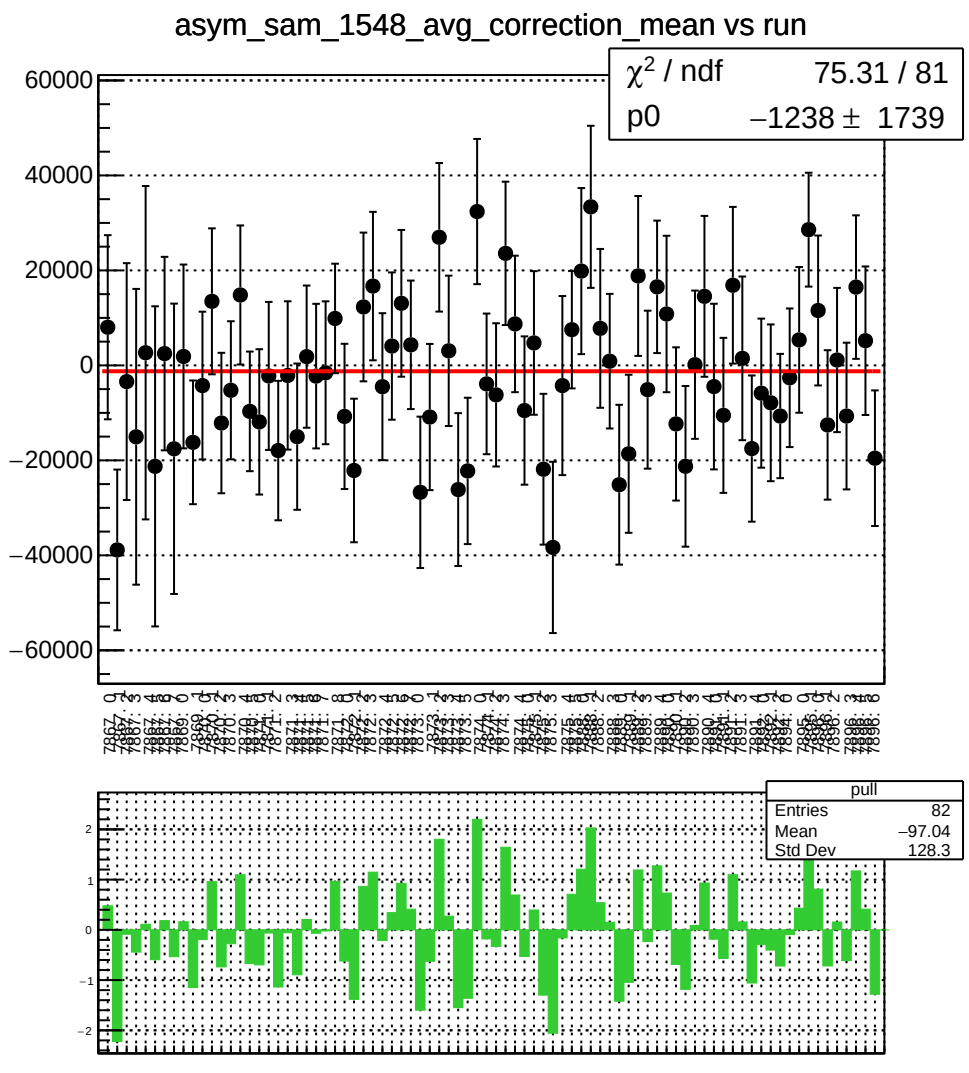

pull1D
Entries 82
Mean −0.04188
Std Dev 0.928

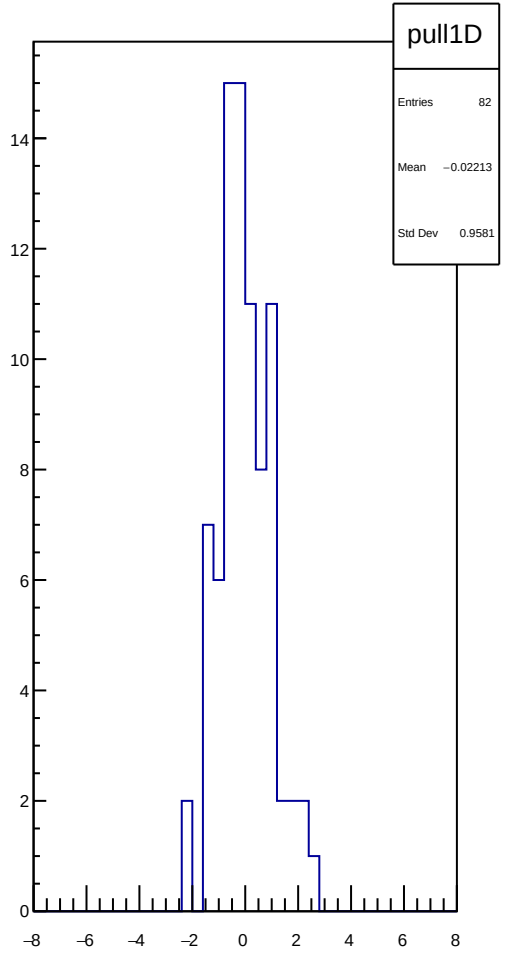

asym_sam_26_48_dd_rms vs run
χ² / ndf 3.186e+04 / 81
p0 553.7 ± 0.4457
1400
1200
1000
800
600
400

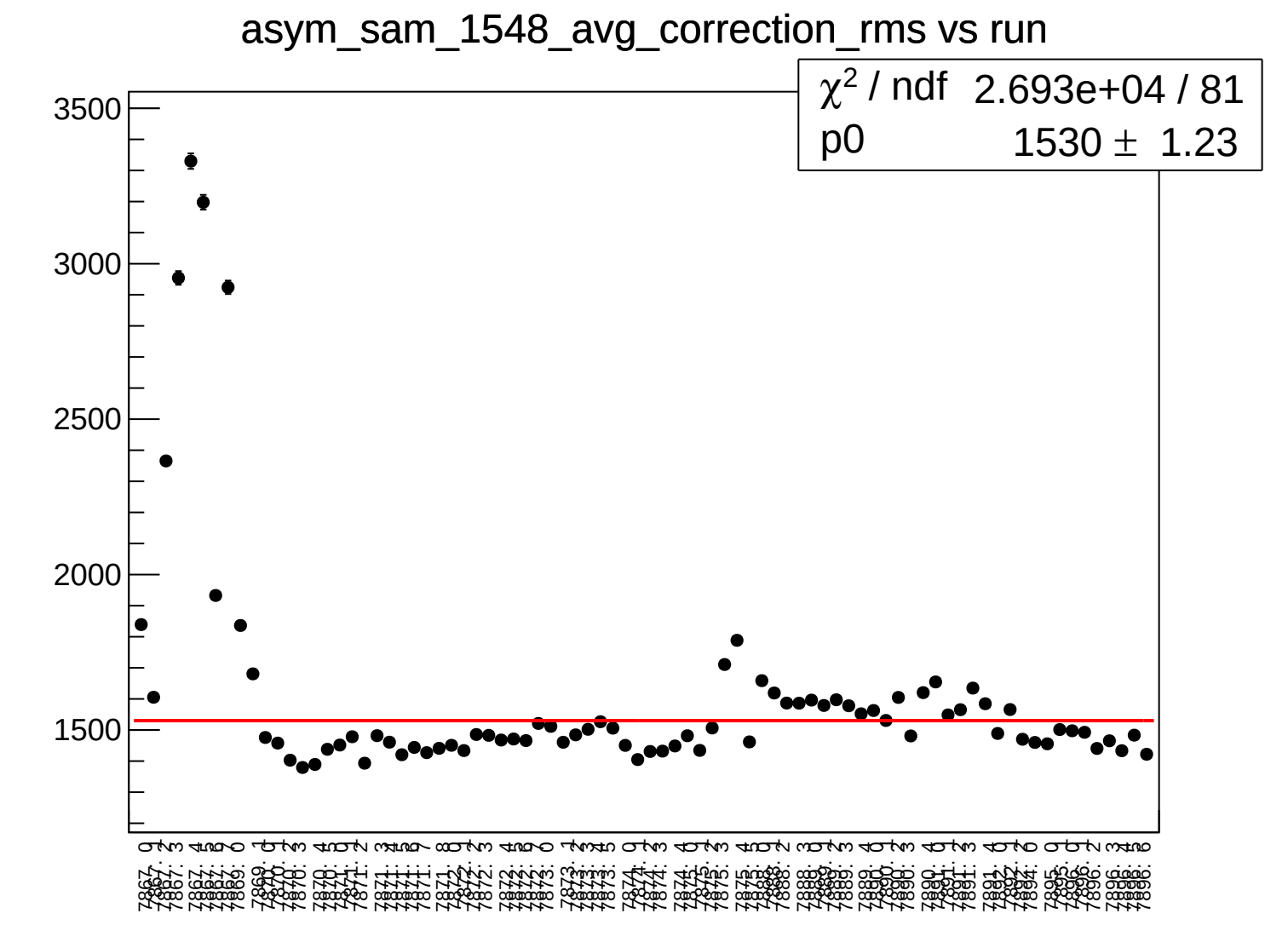

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 63.38 / 81
p0 550.6 ± 188.1
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 34.94
Std Dev 59.25
2
1
0
−1
−2

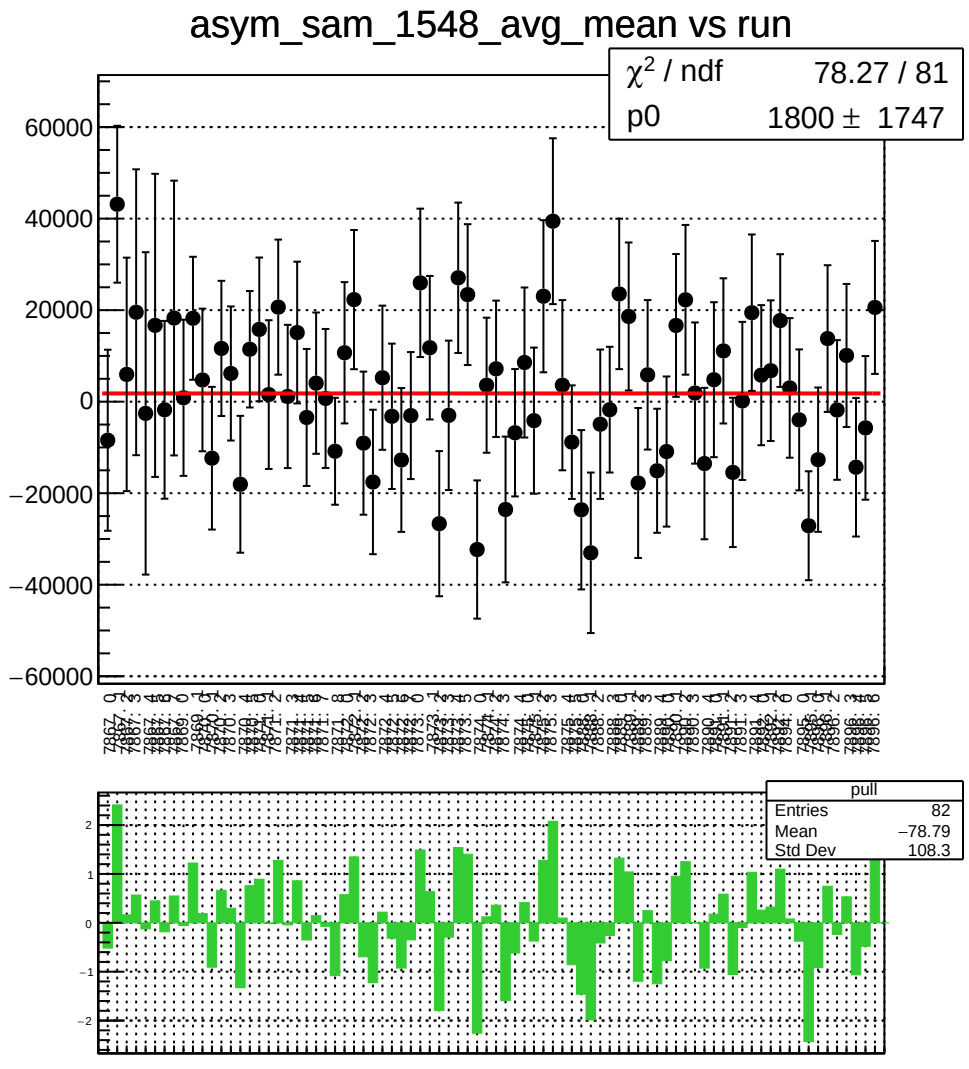

pull1D
Entries 82
Mean 0.02258
Std Dev 0.8789
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

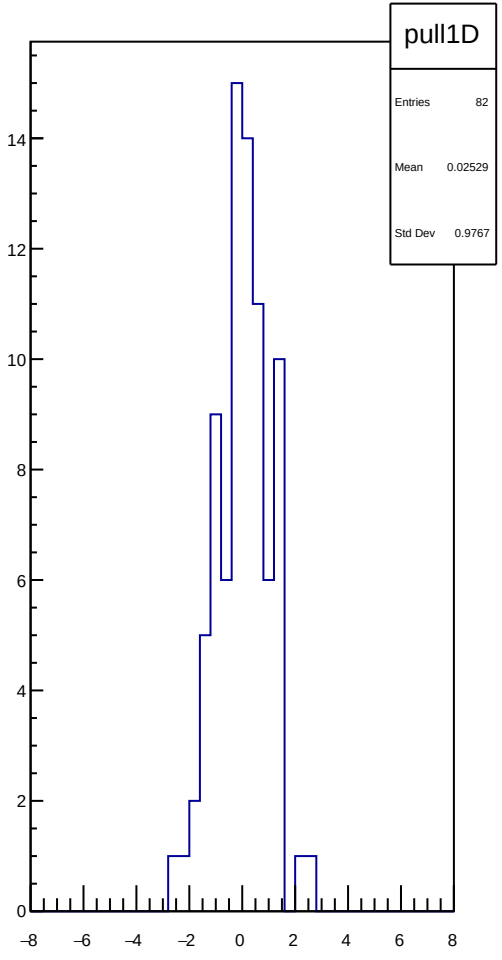

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 6.703e+04 / 81
p0 163.3 ± 0.133
400
350
300
250
200
150

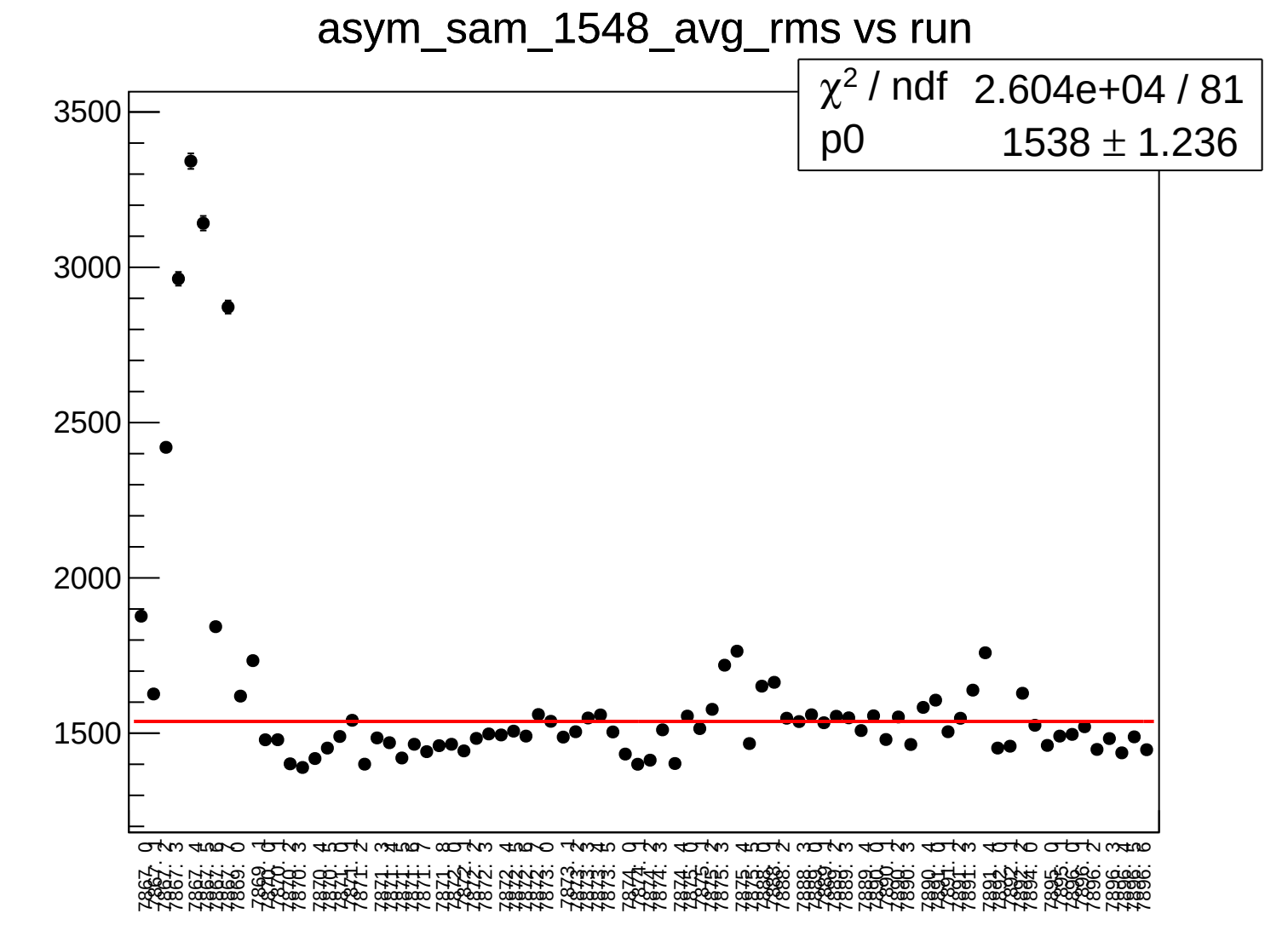

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 75.31 / 81
p0 −1238 ± 1739
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −97.04
Std Dev 128.3
2
1
0
−1
−2

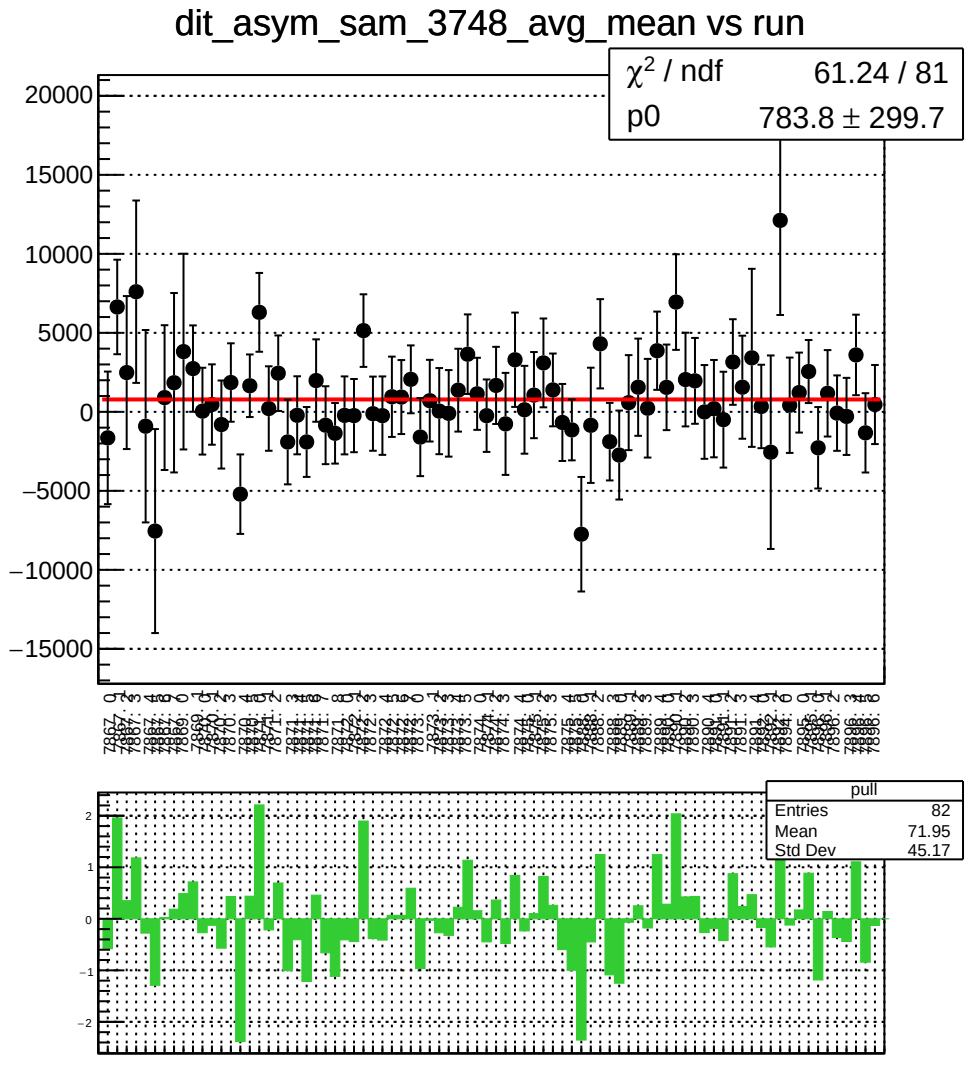

pull1D
Entries 82
Mean −0.02213
Std Dev 0.9581
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

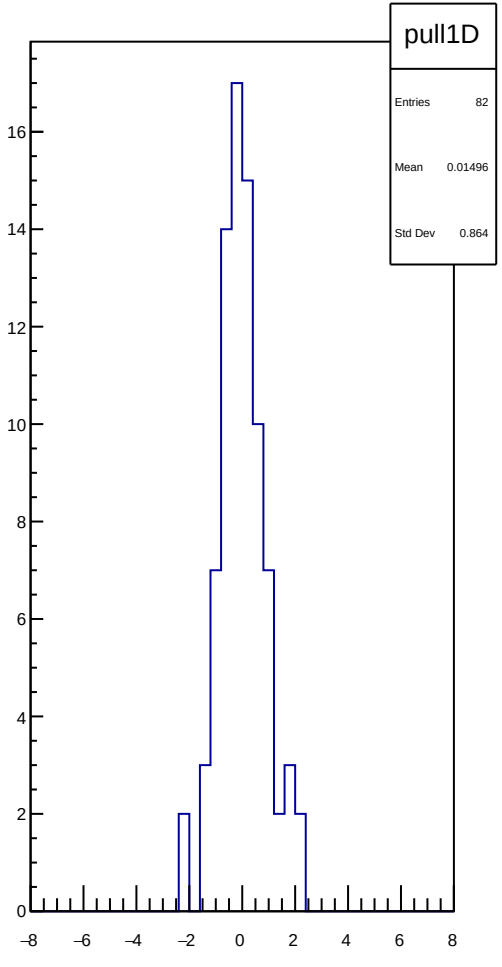

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2.693e+04 / 81
p0 1530 ± 1.23
3500
3000
2500
2000
1500

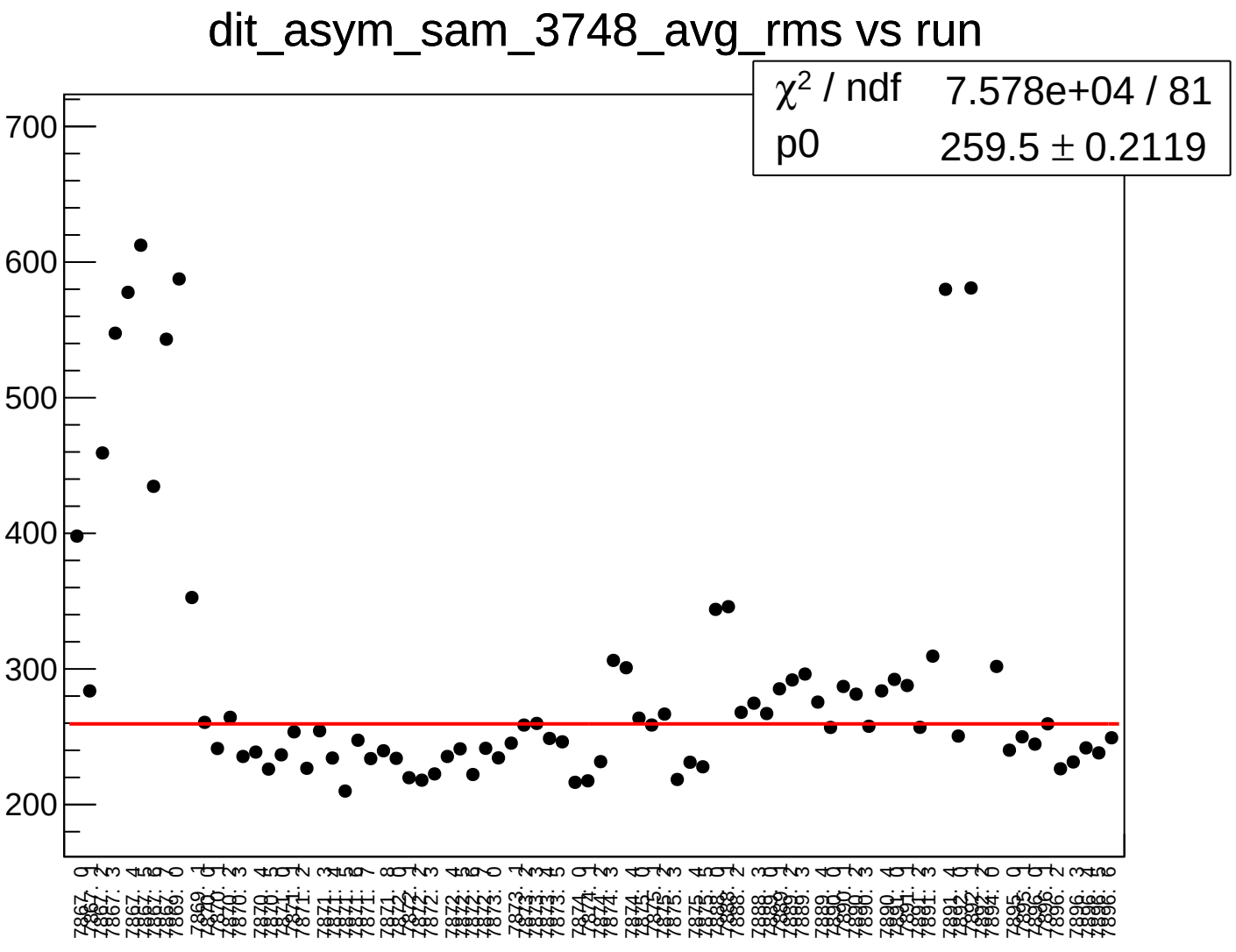

asym_sam_1548_avg_mean vs run
χ² / ndf 78.27 / 81
p0 1800 ± 1747
pull
Entries 82
Mean −78.79
Std Dev 108.3

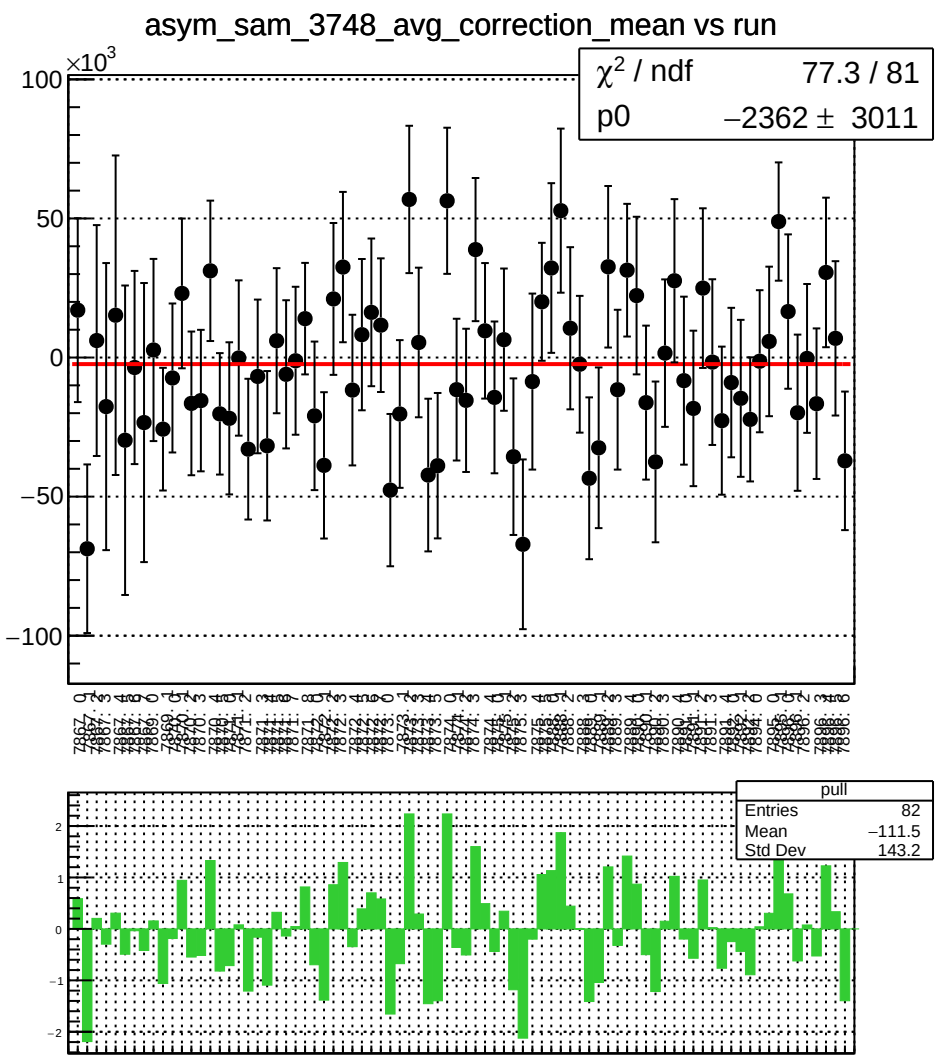

pull1D
Entries 82
Mean 0.02529
Std Dev 0.9767

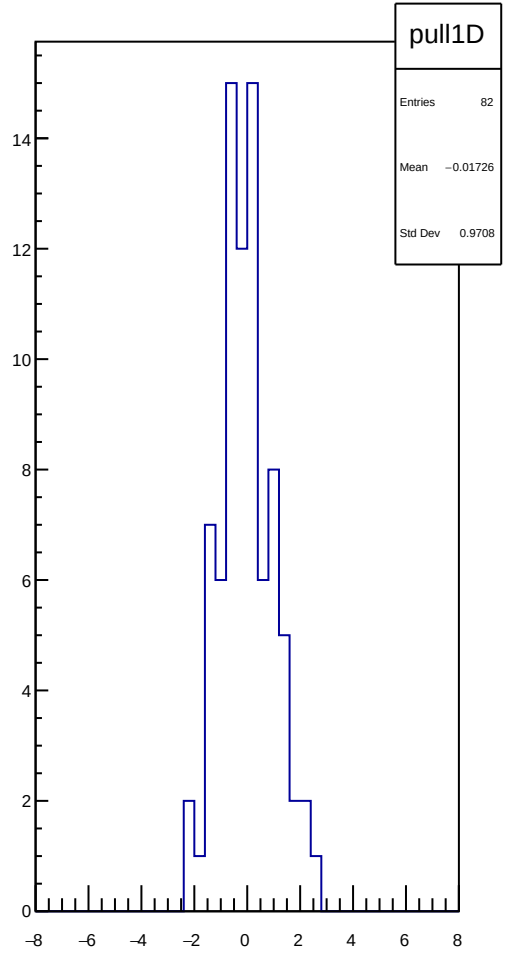

asym_sam_1548_avg_rms vs run
χ² / ndf 2.604e+04 / 81
p0 1538 ± 1.236
3500
3000
2500
2000
1500

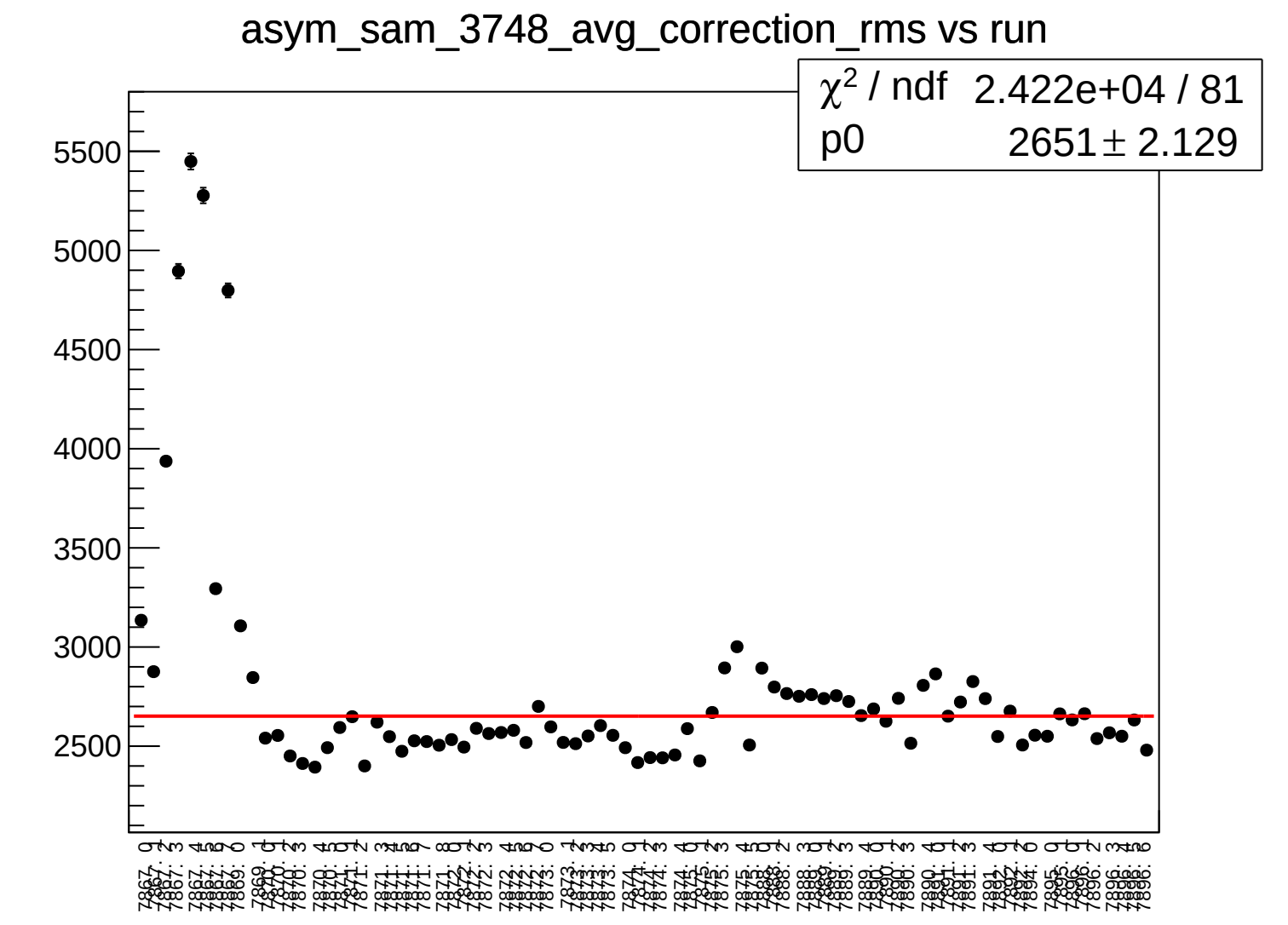

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 61.24 / 81
p0 783.8 ± 299.7
pull
Entries 82
Mean 71.95
Std Dev 45.17

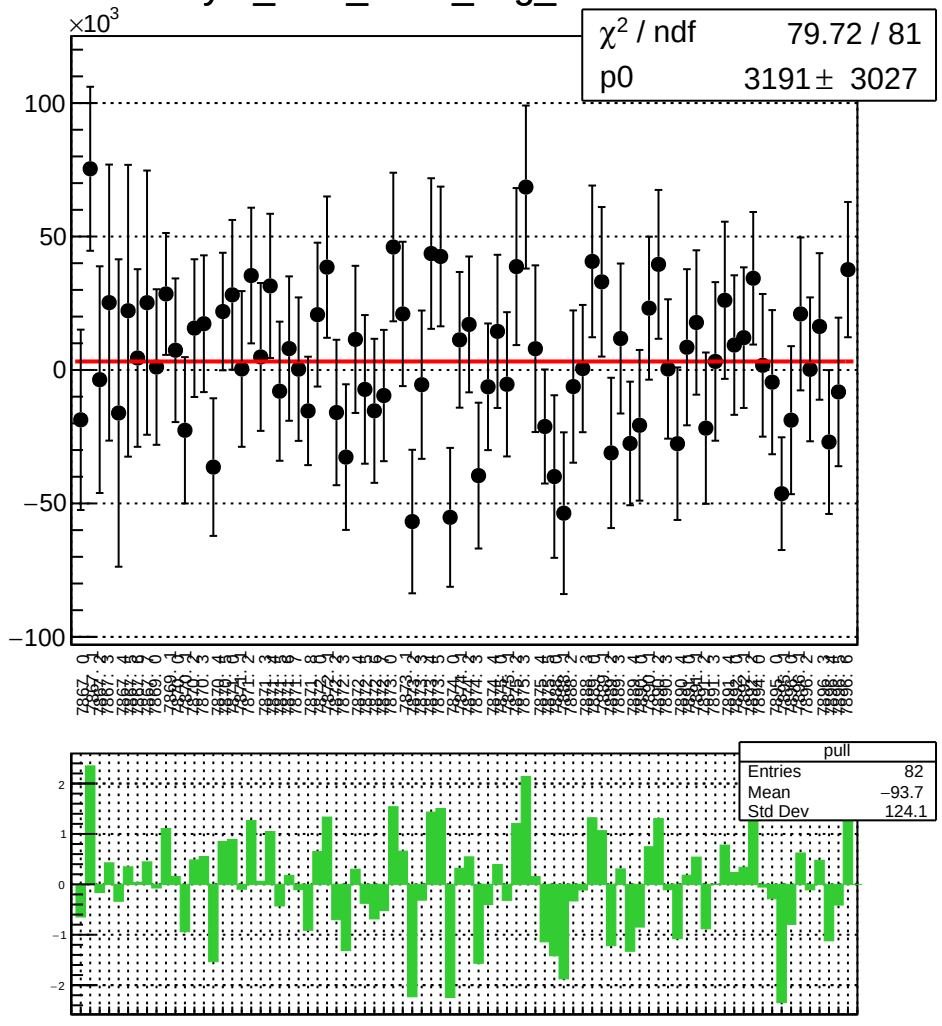

pull1D
Entries 82
Mean 0.01496
Std Dev 0.864

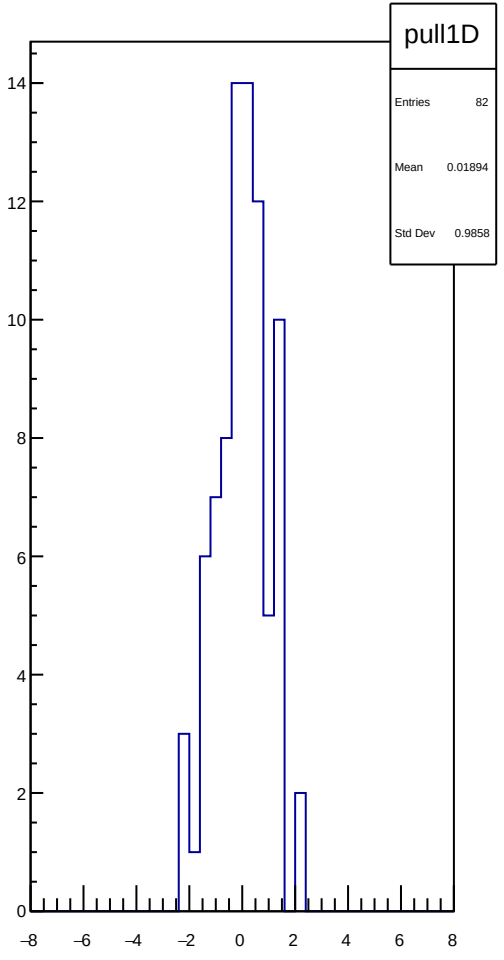

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7.578e+04 / 81
p0 259.5 ± 0.2119
700
600
500
400
300
200

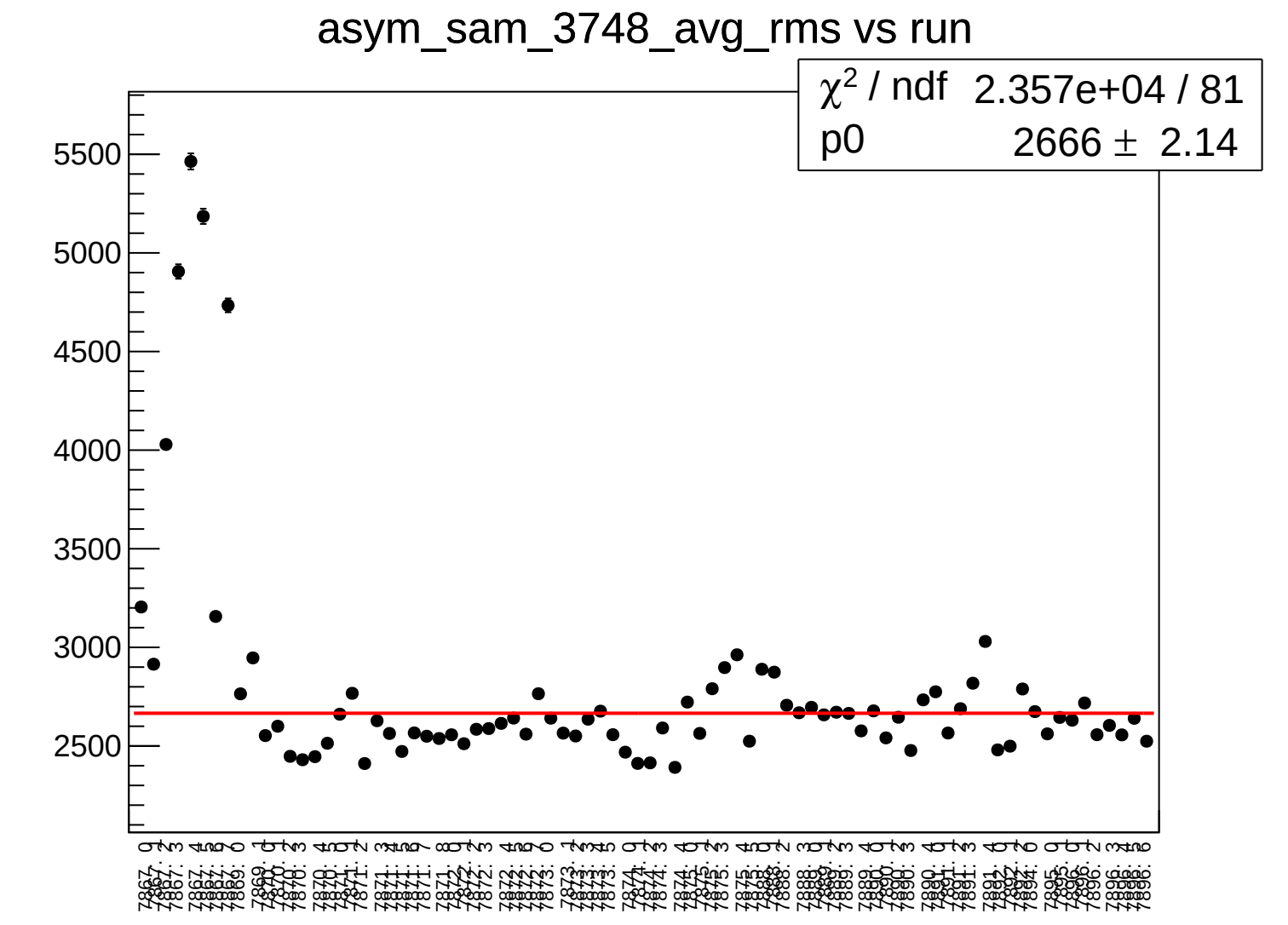

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 77.3 / 81
p0 −2362 ± 3011
100
50
0
−50
−100
pull
Entries 82
Mean −111.5
Std Dev 143.2
2
1
0
−1
−2

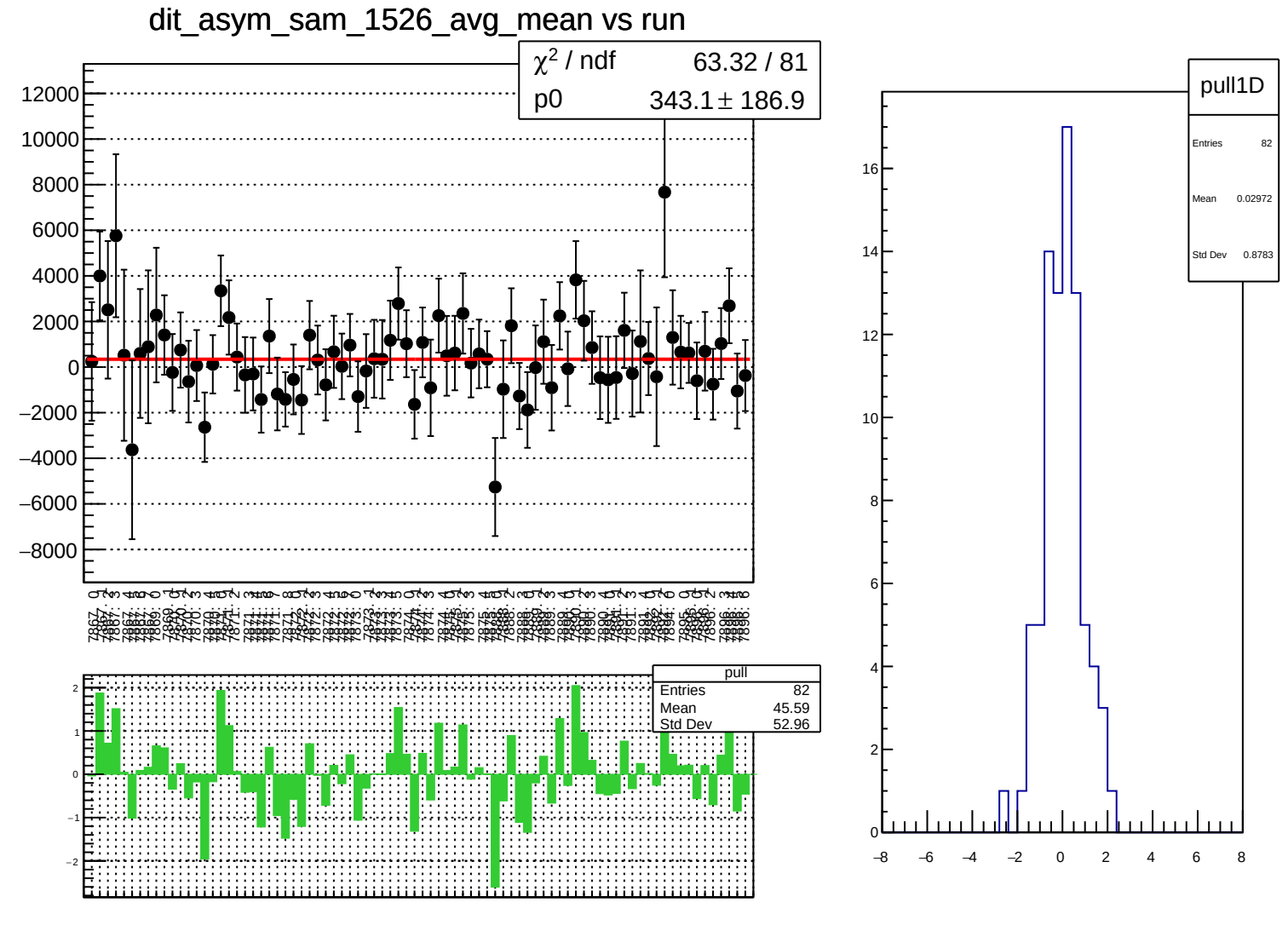

pull1D
Entries 82
Mean −0.01726
Std Dev 0.9708
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

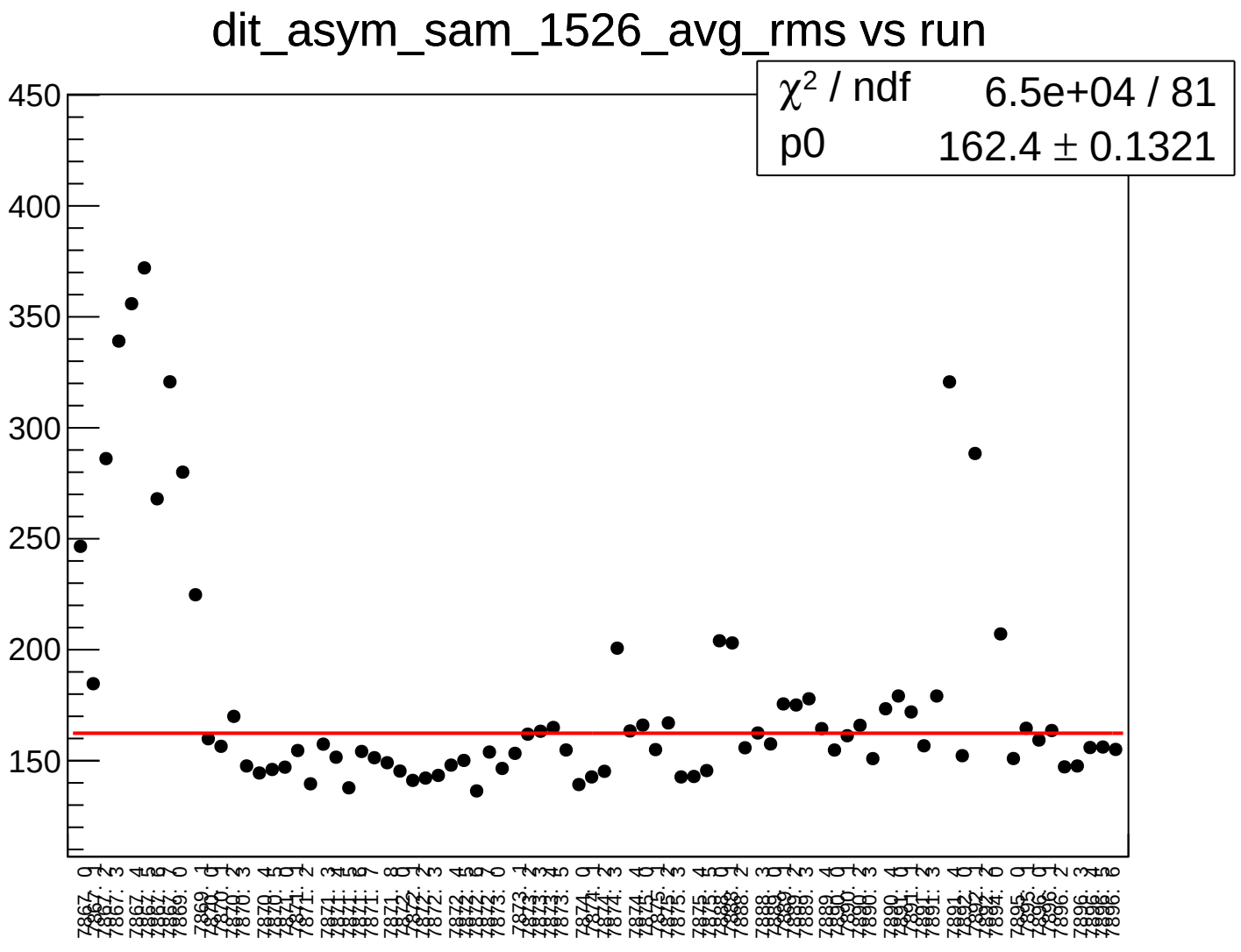

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2.422e+04 / 81
p0 2651 ± 2.129
5500
5000
4500
4000
3500
3000
2500

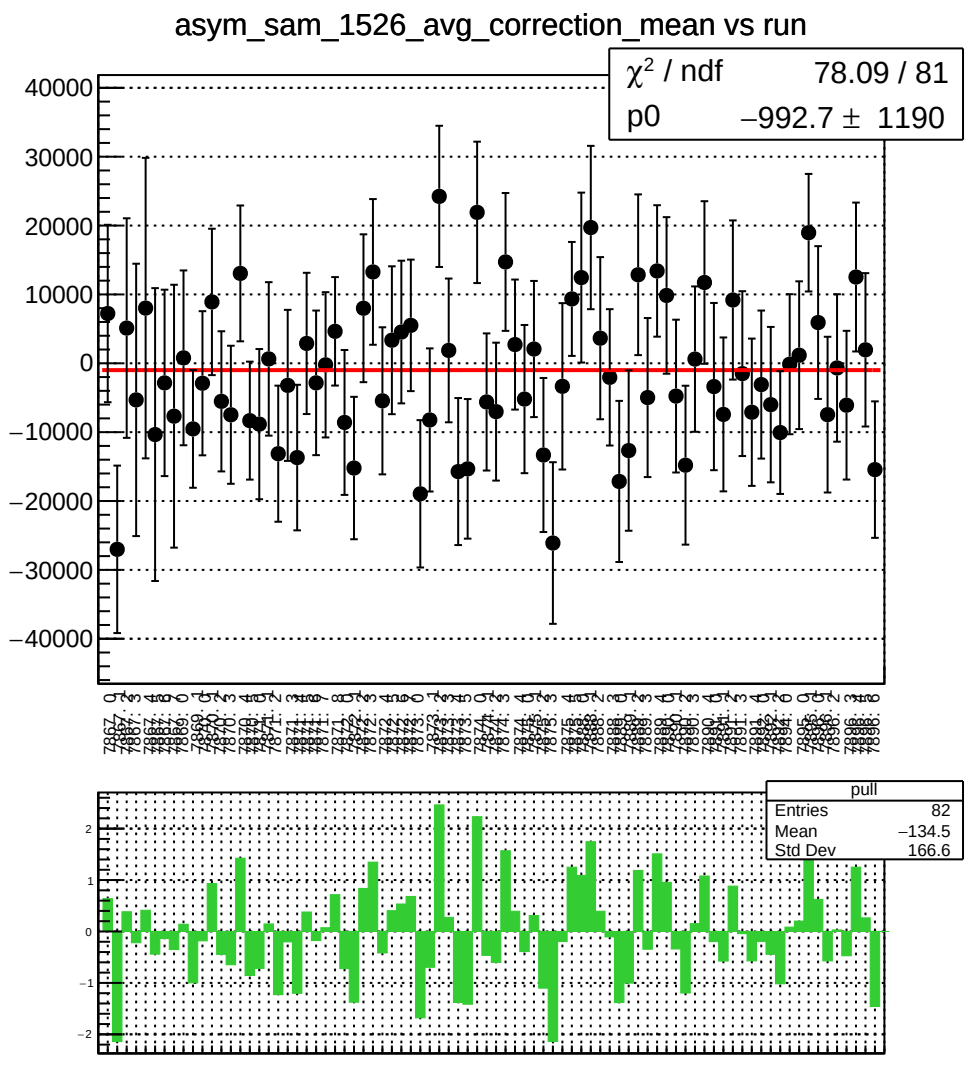

asym_sam_3748_avg_mean vs run
χ² / ndf 79.72 / 81
p0 3191 ± 3027
×10³
pull
Entries 82
Mean −93.7
Std Dev 124.1

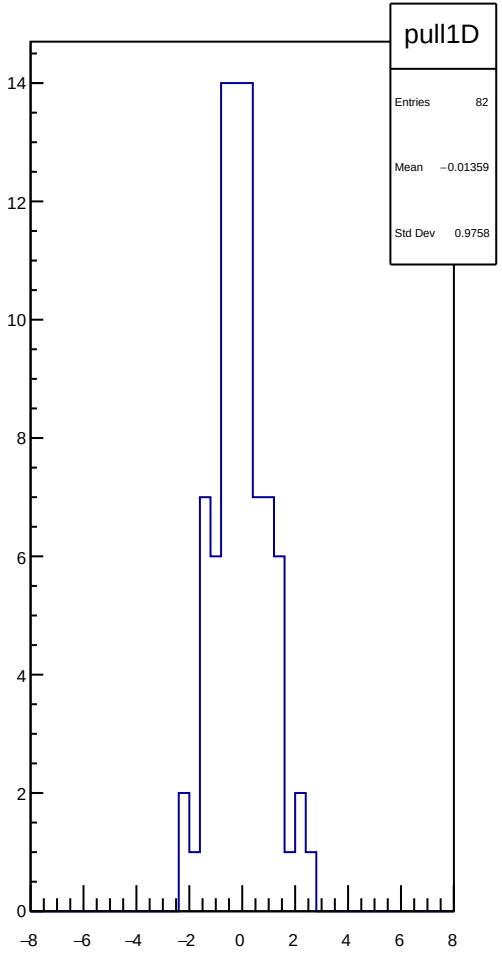

pull1D
Entries 82
Mean 0.01894
Std Dev 0.9858

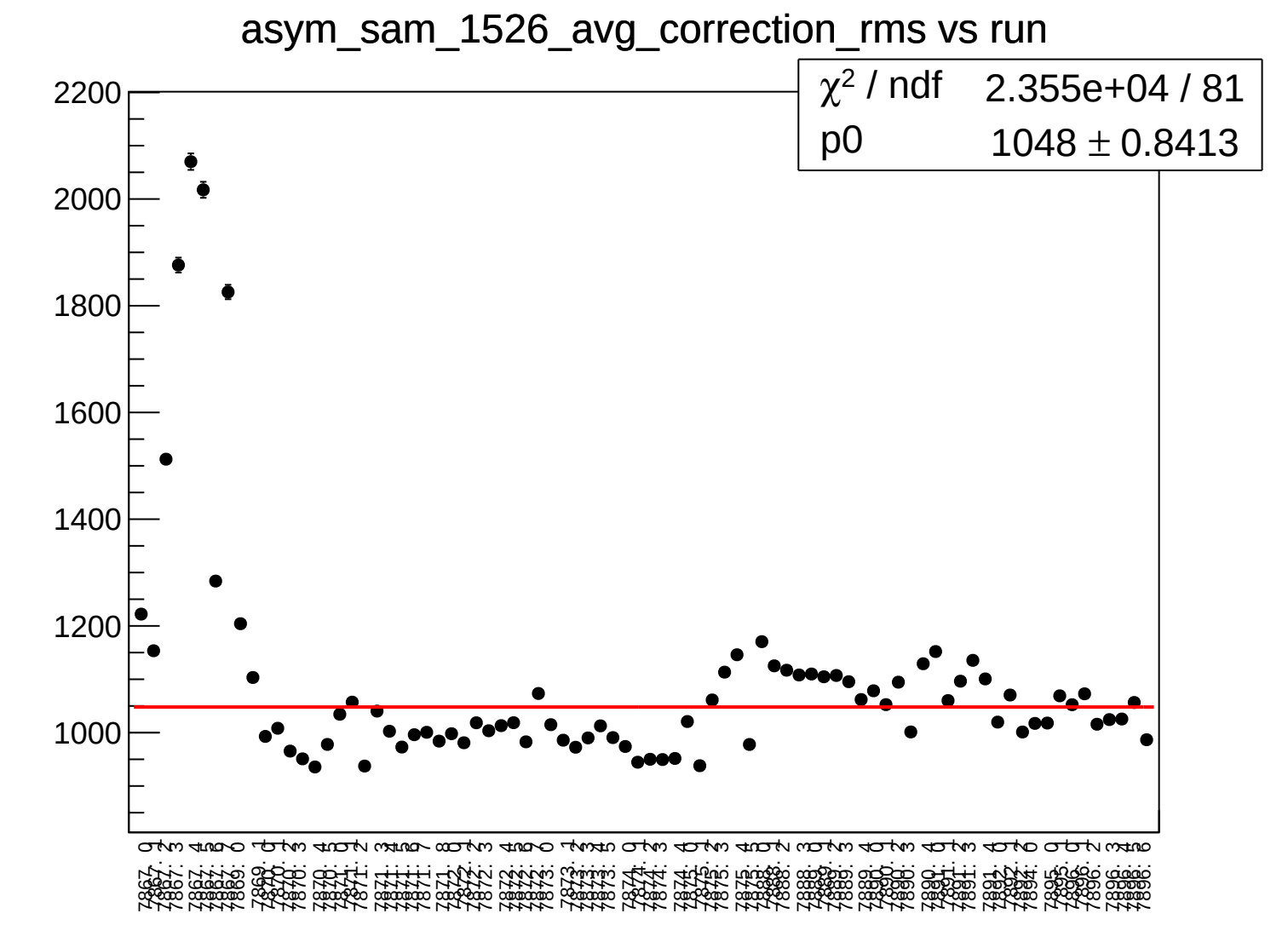

asym_sam_3748_avg_rms vs run
χ² / ndf 2.357e+04 / 81
p0 2666 ± 2.14
5500
5000
4500
4000
3500
3000
2500

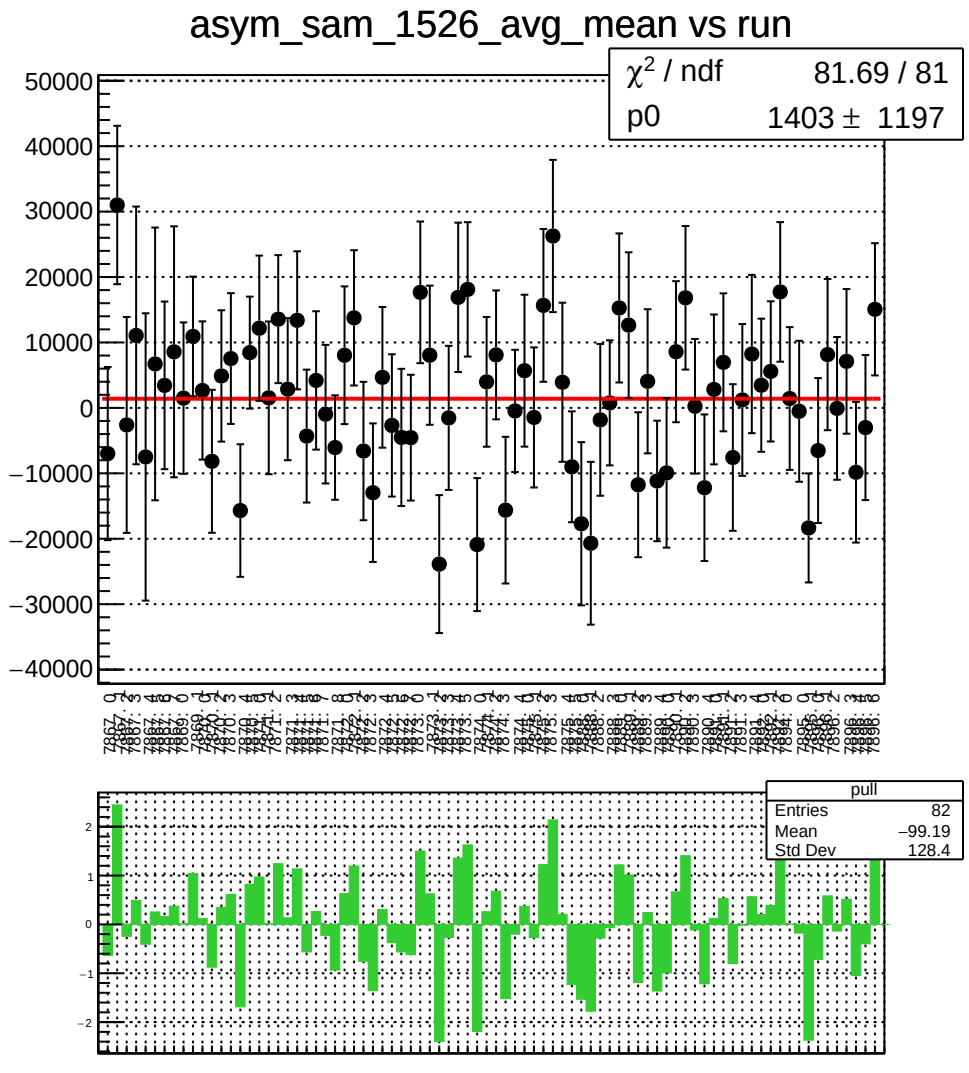

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 63.32 / 81
p0 343.1 ± 186.9
pull
Entries 82
Mean 45.59
Std Dev 52.96
pull1D
Entries 82
Mean 0.02972
Std Dev 0.8783

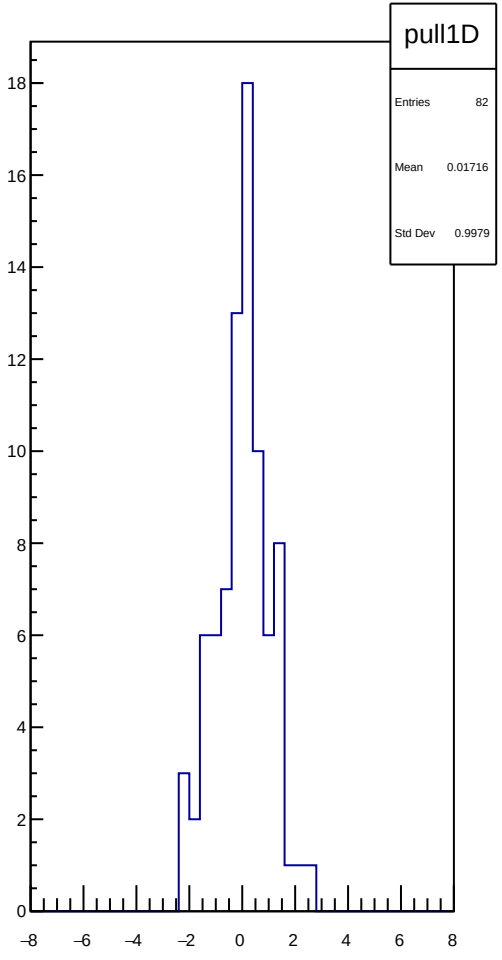

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6.5e+04 / 81
p0 162.4 ± 0.1321
450
400
350
300
250
200
150

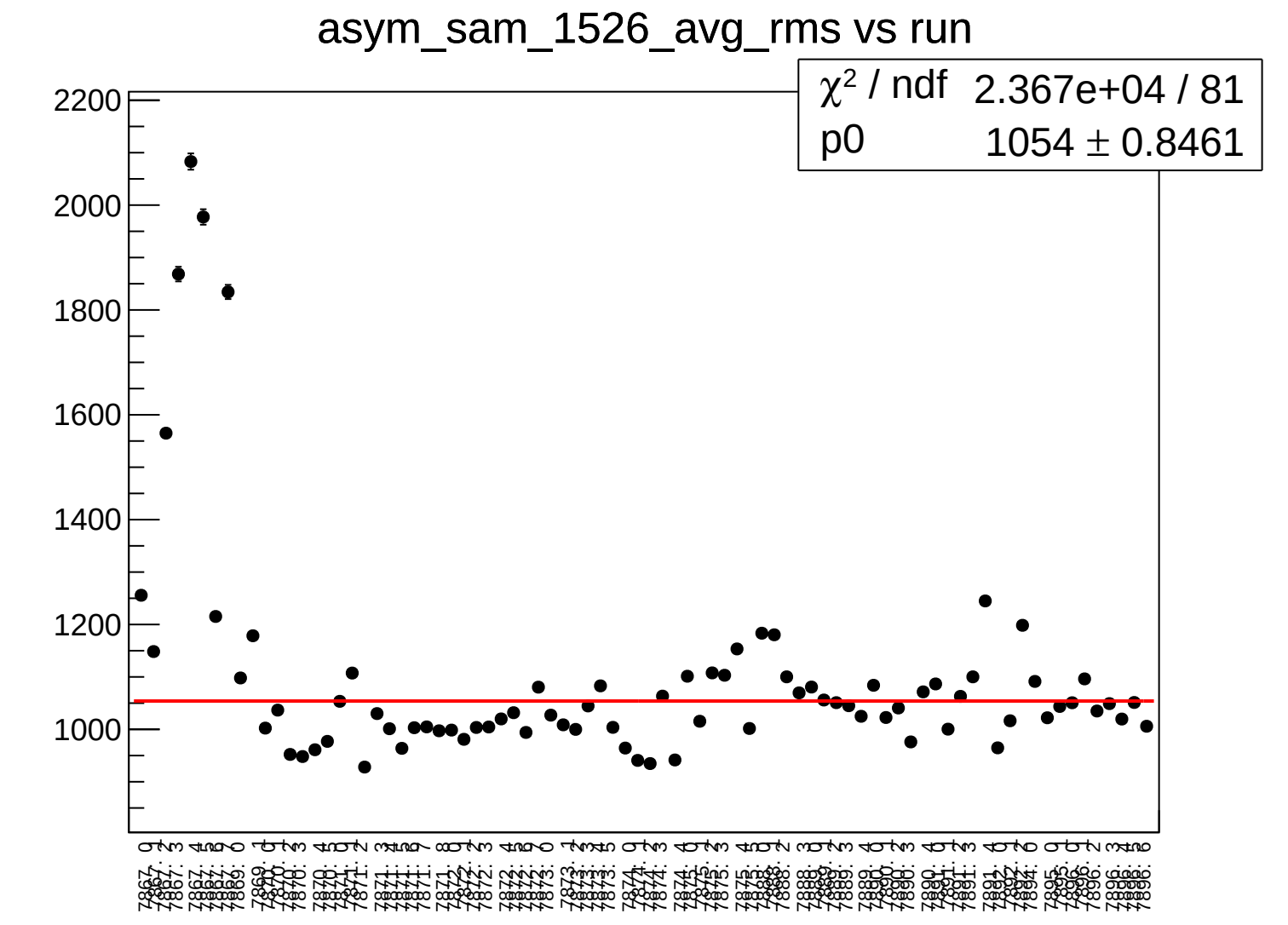

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 78.09 / 81
p0 −992.7 ± 1190
pull
Entries 82
Mean −134.5
Std Dev 166.6

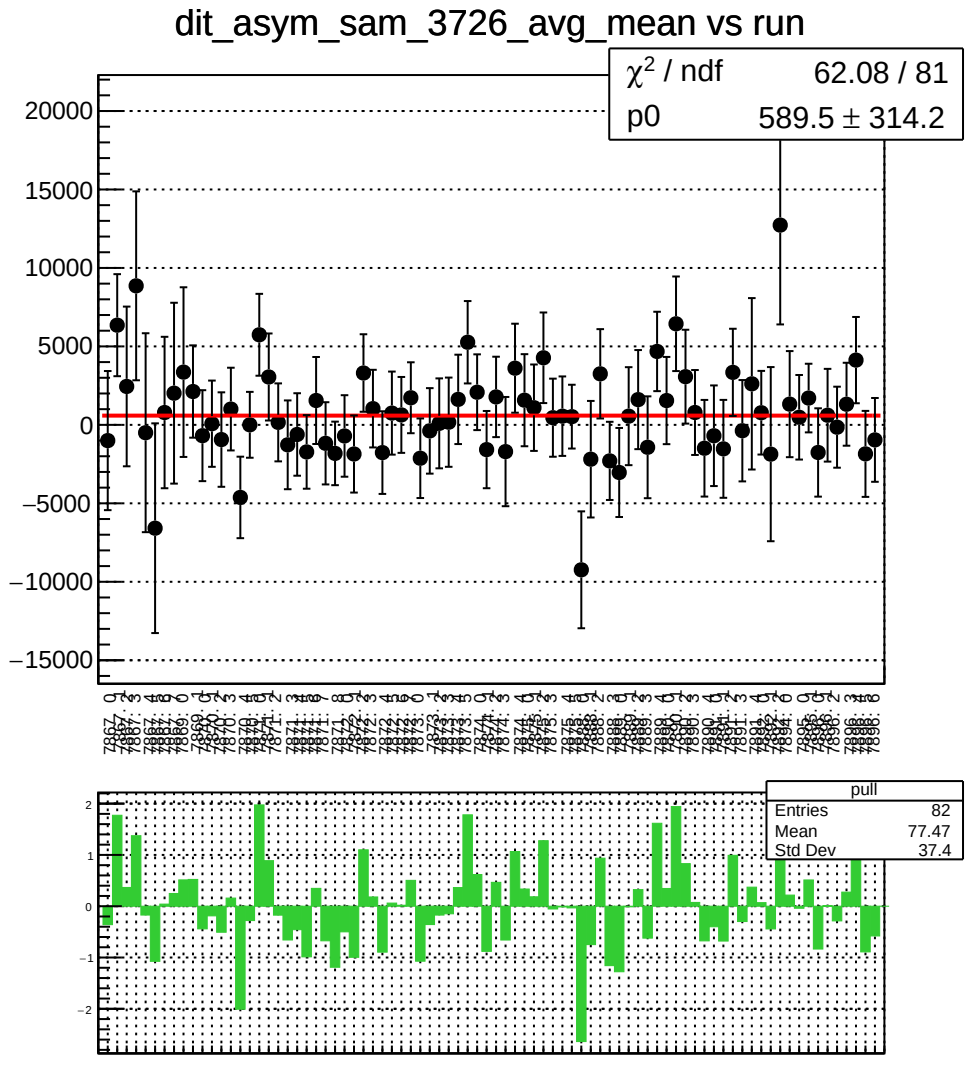

pull1D
Entries 82
Mean −0.01359
Std Dev 0.9758

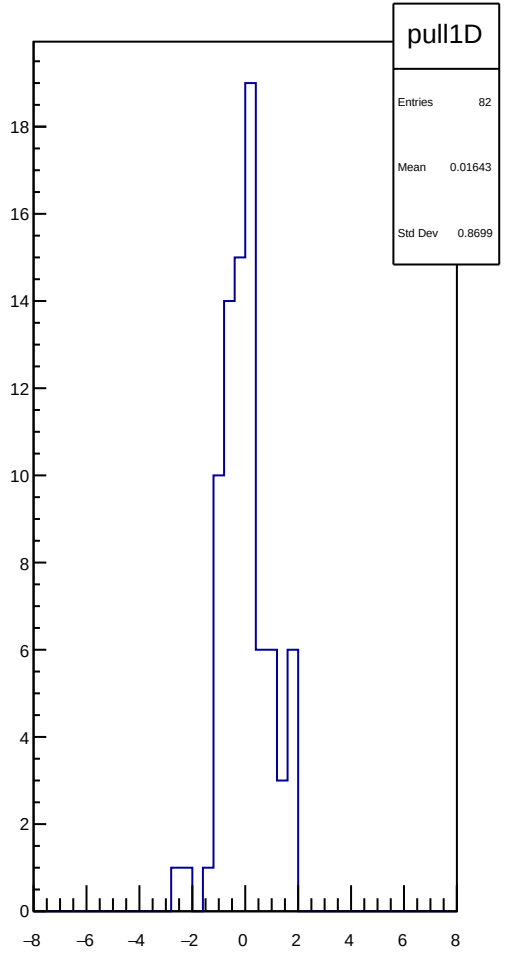

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2.355e+04 / 81
p0 1048 ± 0.8413
2200
2000
1800
1600
1400
1200
1000

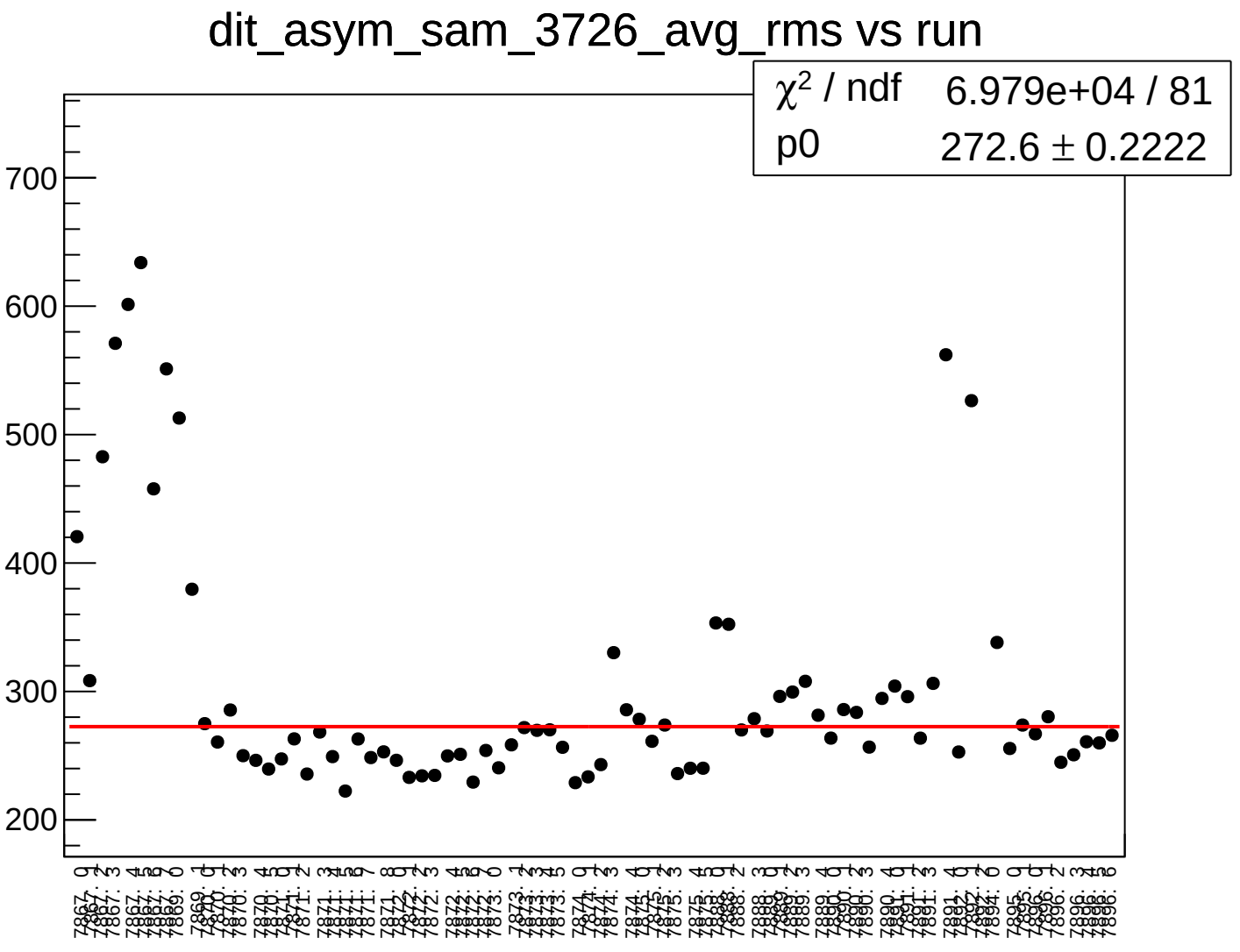

asym_sam_1526_avg_mean vs run
χ² / ndf 81.69 / 81
p0 1403 ± 1197
pull
Entries 82
Mean −99.19
Std Dev 128.4

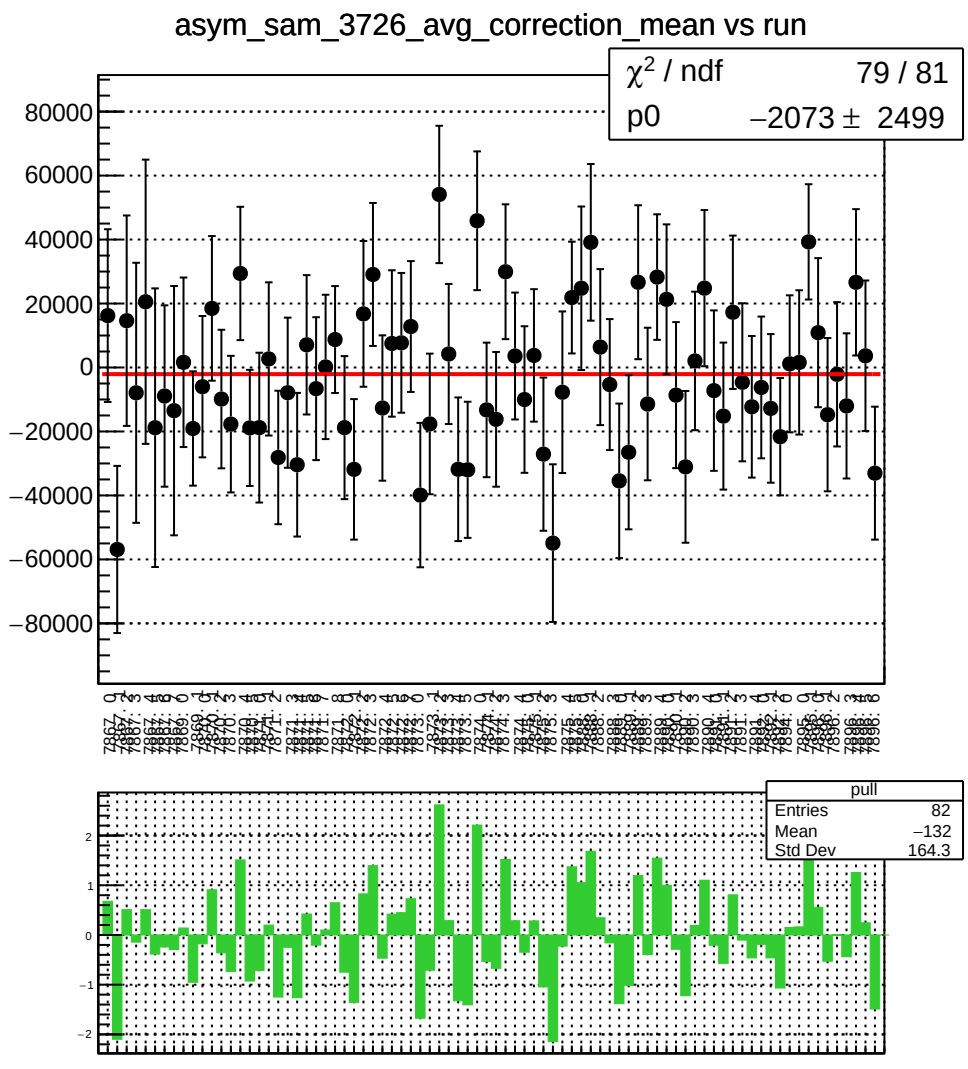

pull1D
Entries 82
Mean 0.01716
Std Dev 0.9979

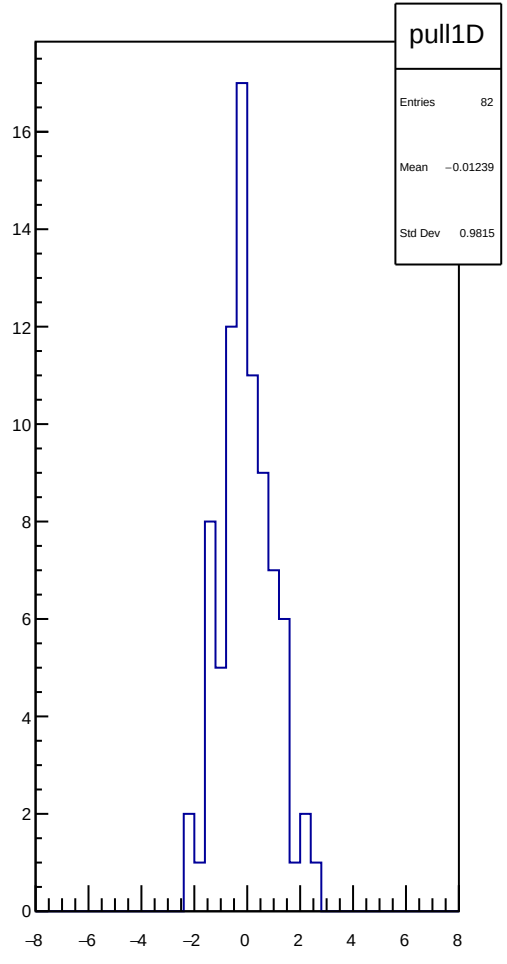

asym_sam_1526_avg_rms vs run
χ² / ndf 2.367e+04 / 81
p0 1054 ± 0.8461
2200
2000
1800
1600
1400
1200
1000

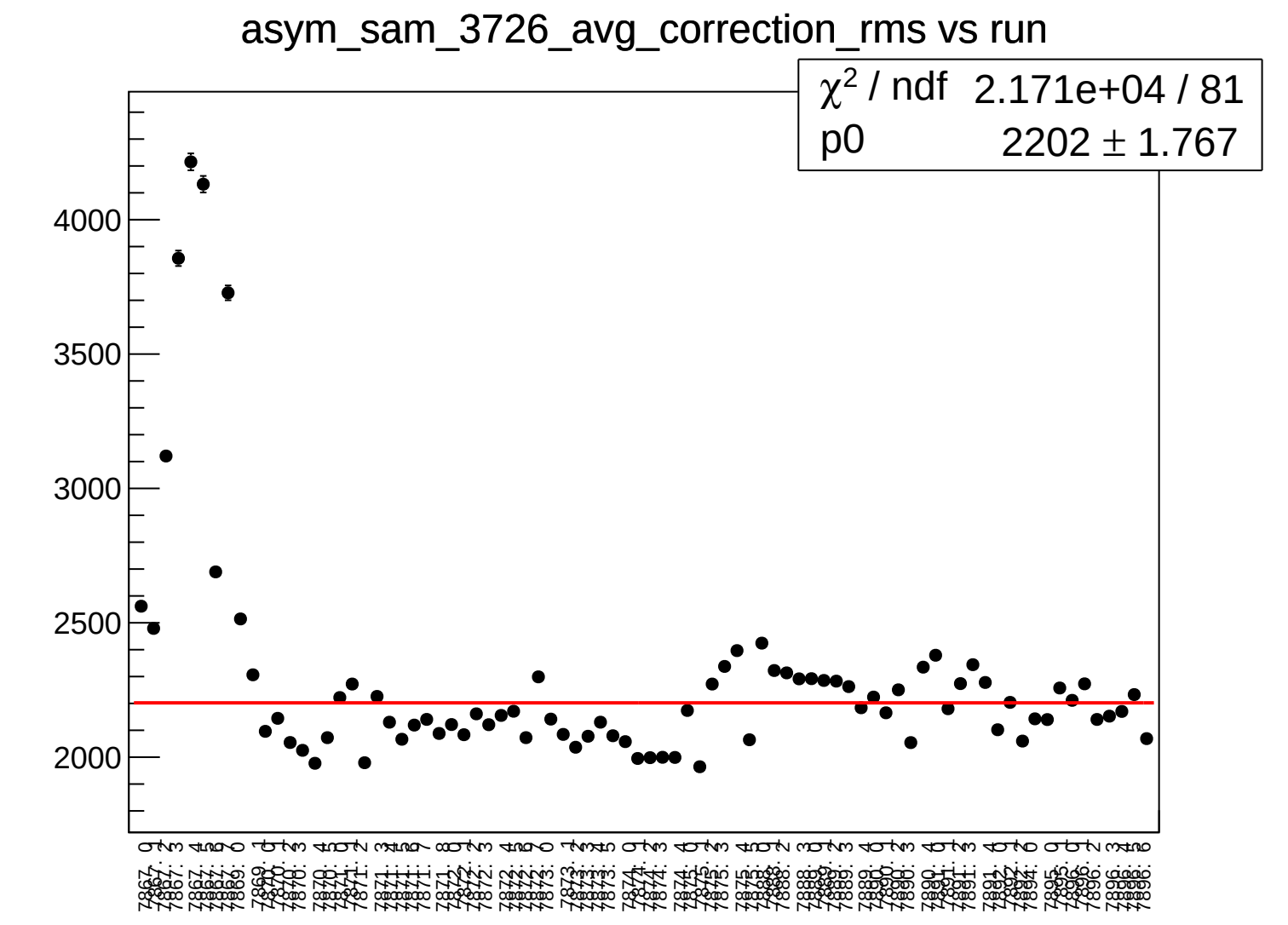

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 62.08 / 81
p0 589.5 ± 314.2
pull
Entries 82
Mean 77.47
Std Dev 37.4

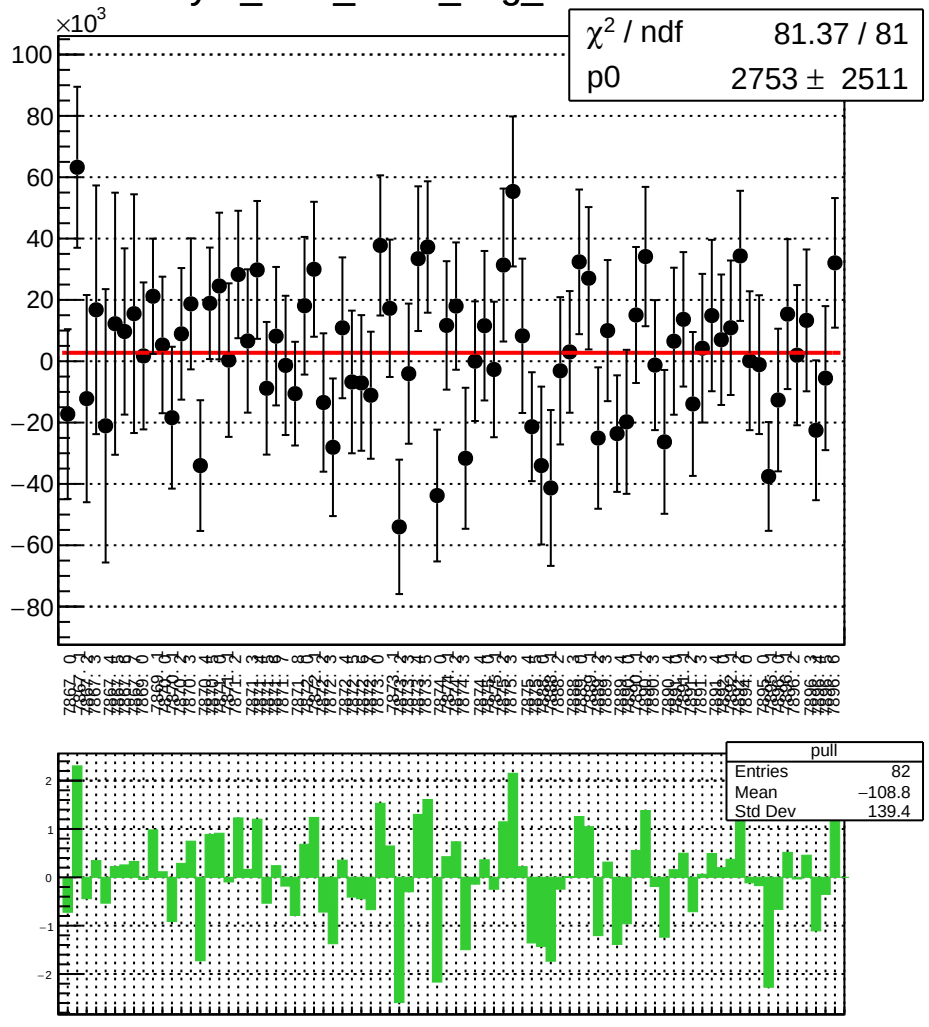

pull1D
Entries 82
Mean 0.01643
Std Dev 0.8699

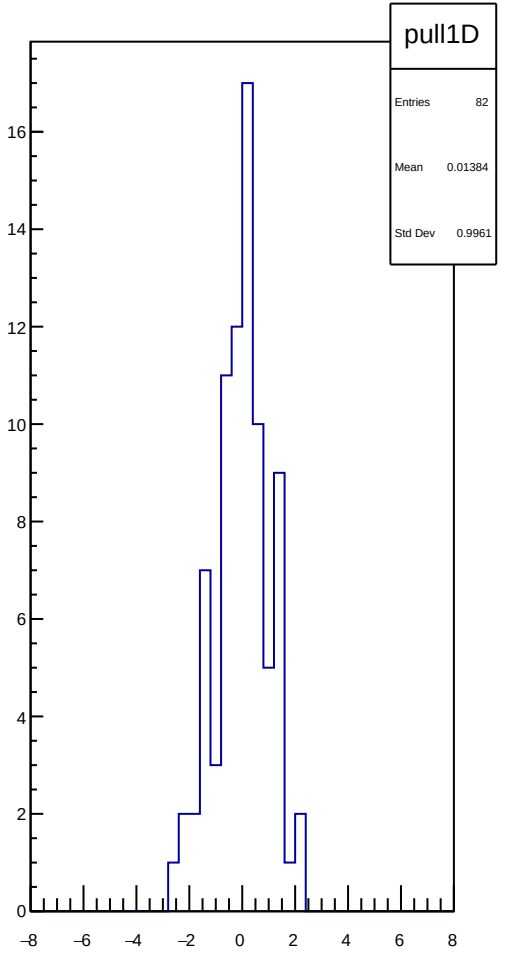

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 6.979e+04 / 81
p0 272.6 ± 0.2222
700
600
500
400
300
200

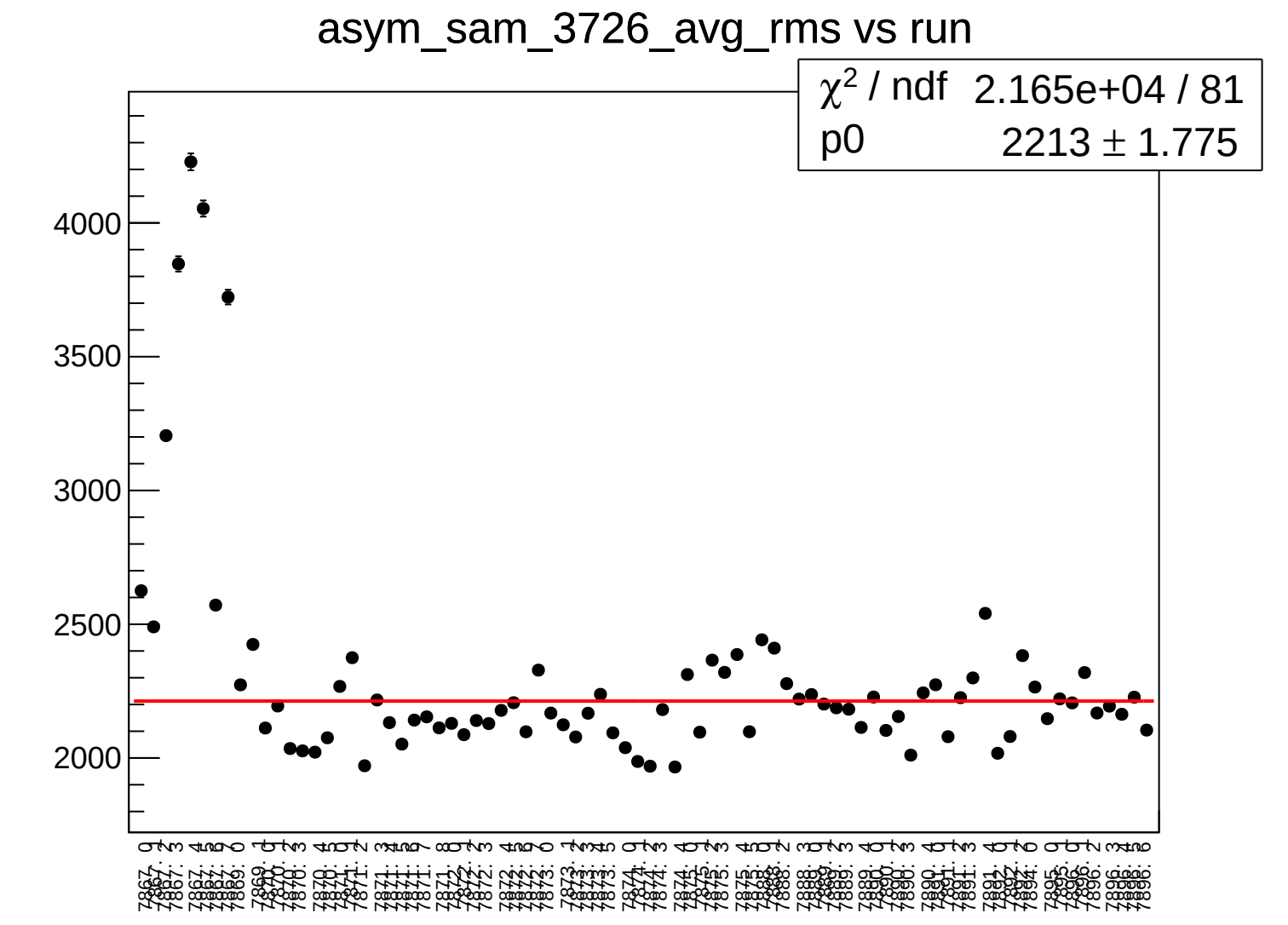

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 79 / 81
p0 −2073 ± 2499
pull
Entries 82
Mean −132
Std Dev 164.3

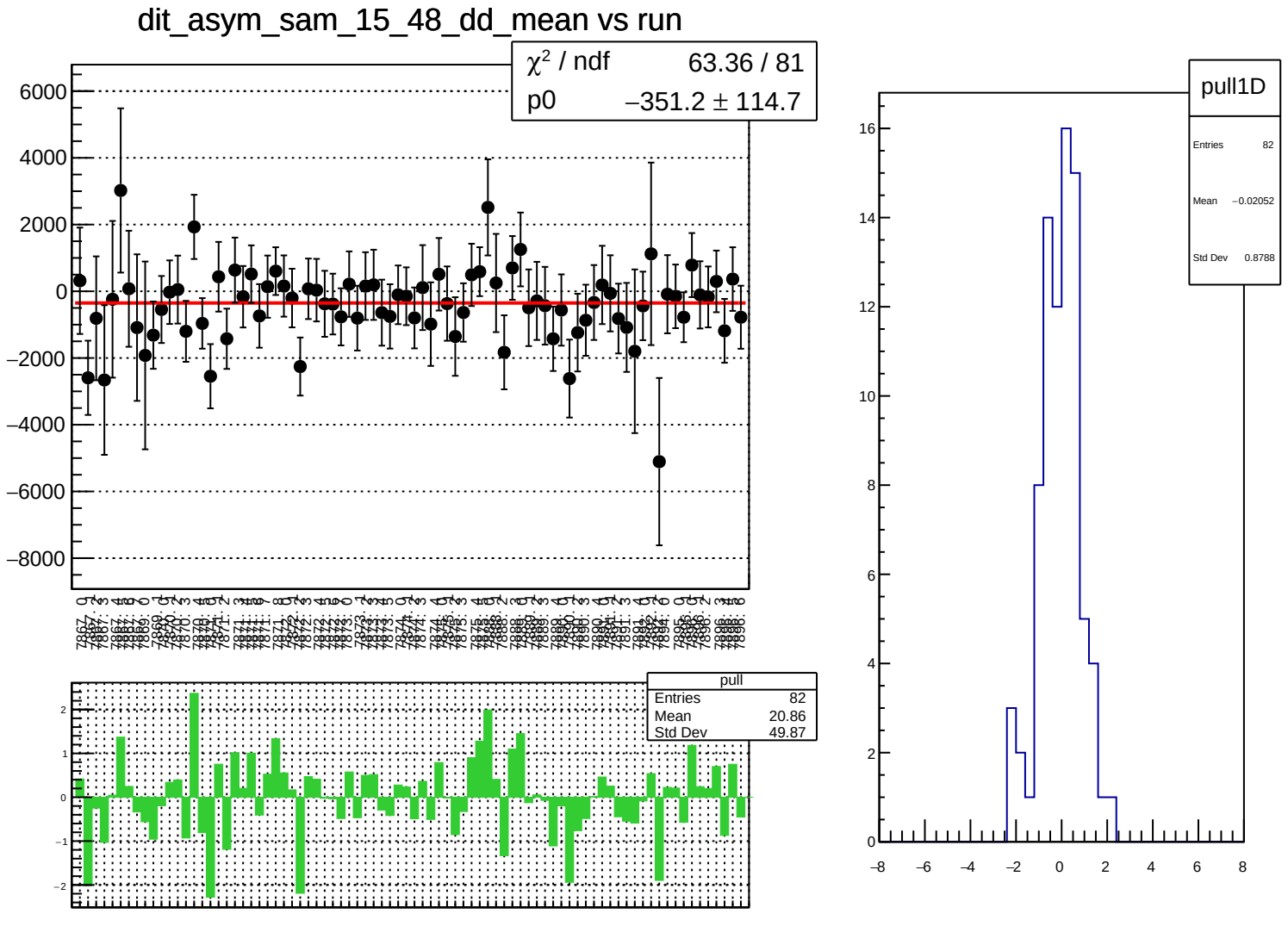

pull1D
Entries 82
Mean −0.01239
Std Dev 0.9815

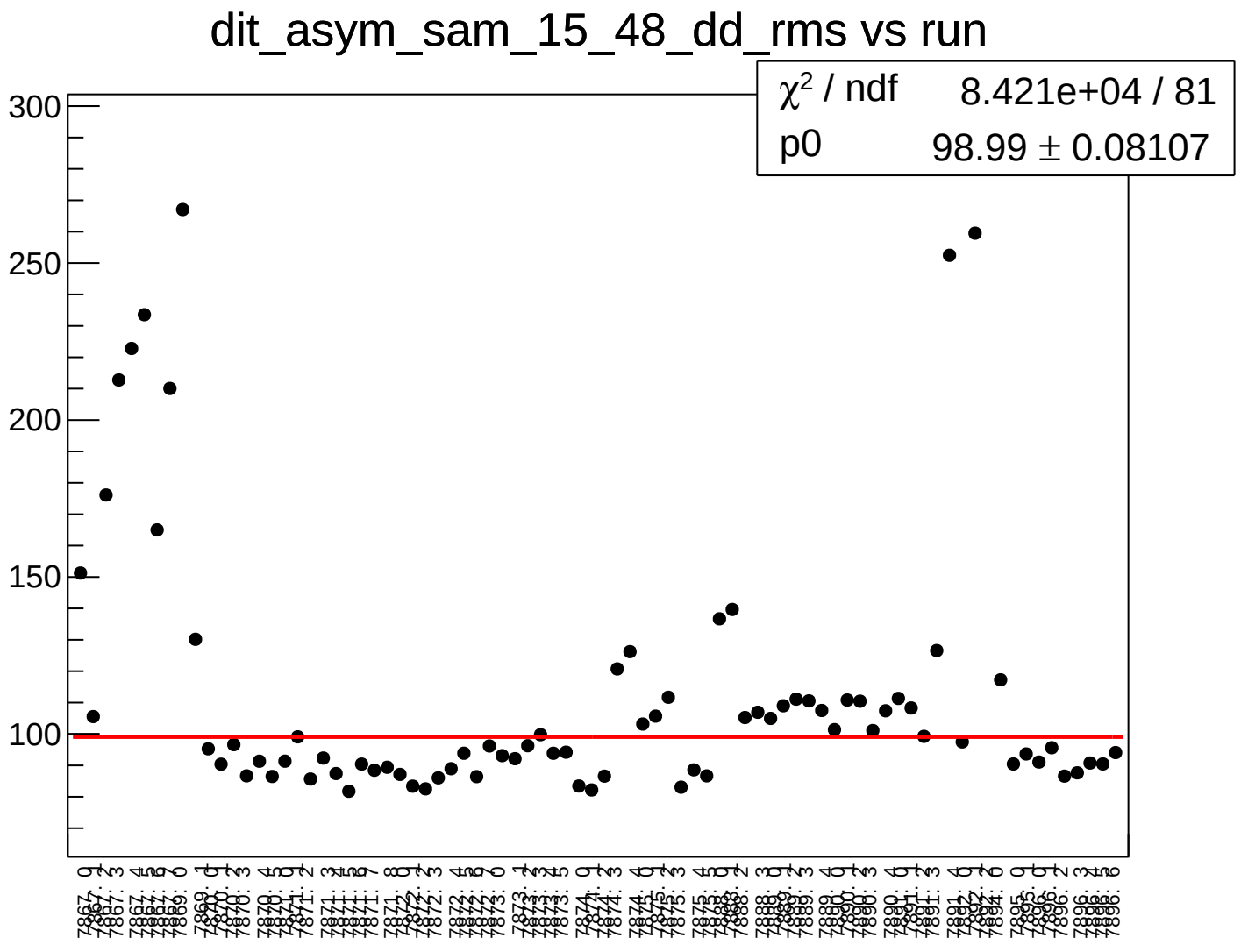

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2.171e+04 / 81
p0 2202 ± 1.767
4000
3500
3000
2500
2000

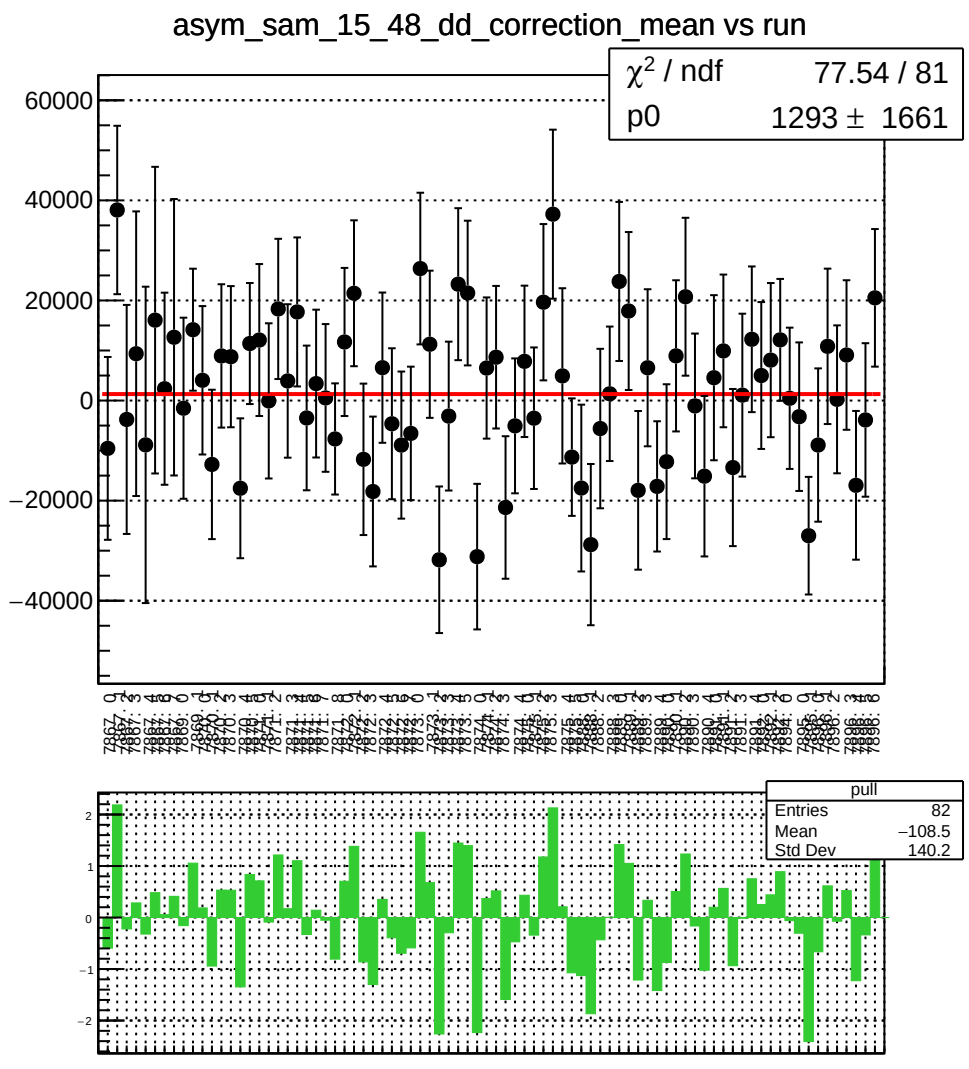

asym_sam_3726_avg_mean vs run
×10^3
χ² / ndf 81.37 / 81
p0 2753 ± 2511
pull
Entries 82
Mean −108.8
Std Dev 139.4

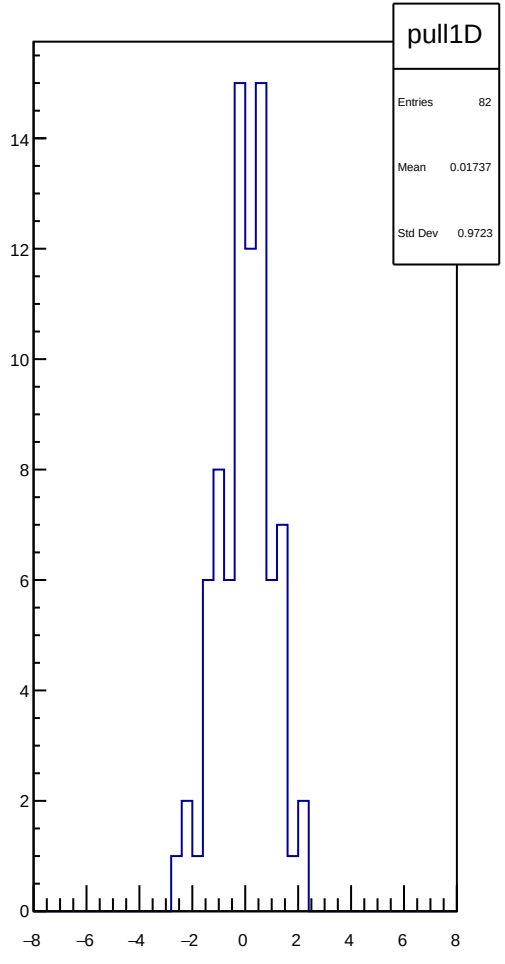

pull1D
Entries 82
Mean 0.01384
Std Dev 0.9961

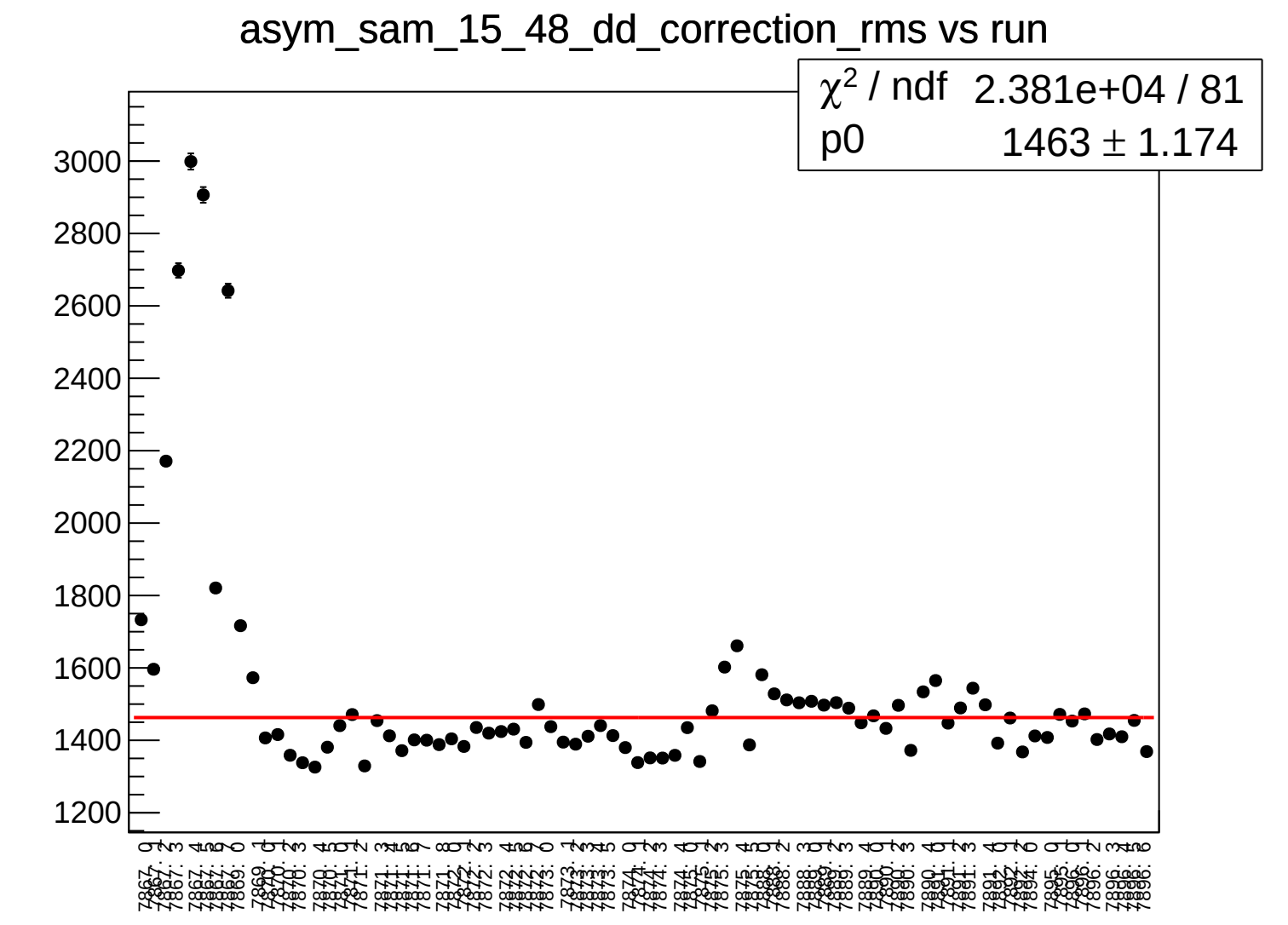

asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.165e+04 / 81
p0 2213 ± 1.775
4000
3500
3000
2500
2000

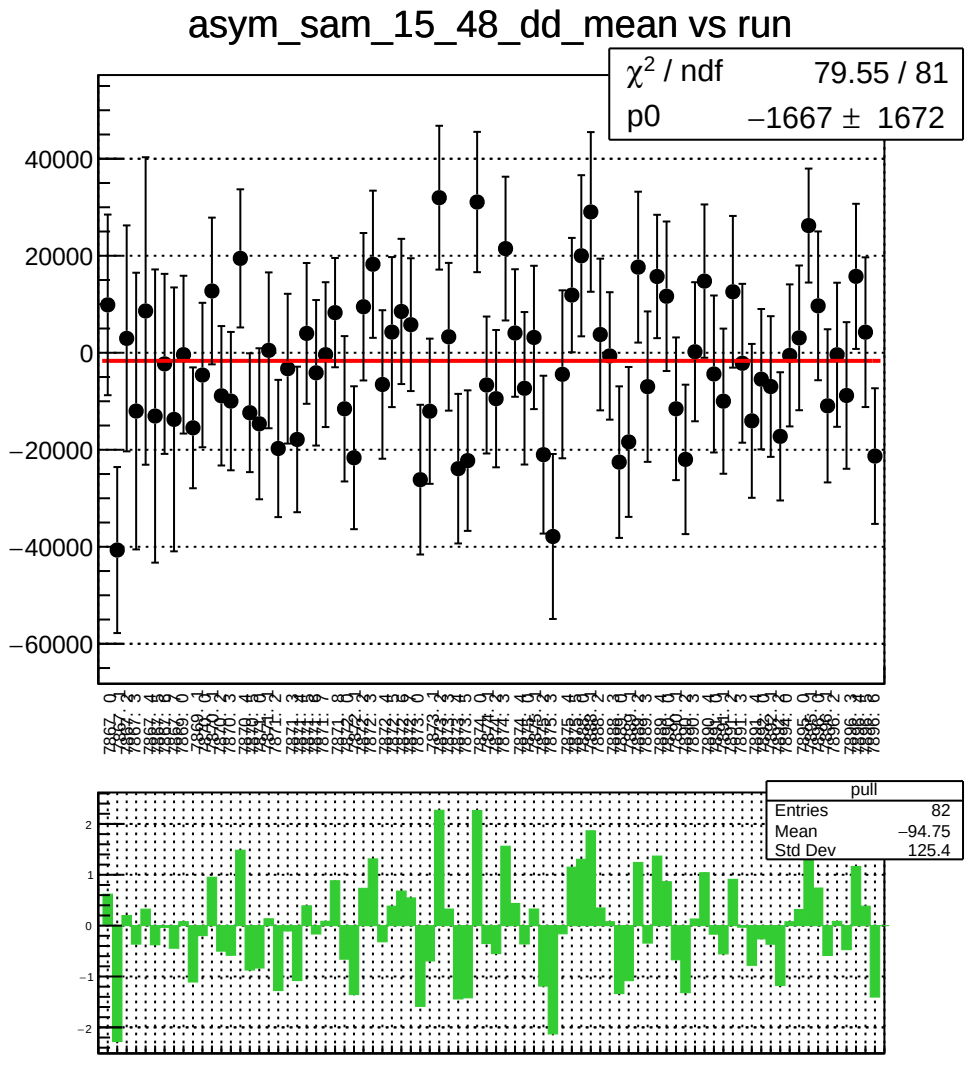

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.36 / 81
p0 −351.2 ± 114.7
pull
Entries 82
Mean 20.86
Std Dev 49.87
pull1D
Entries 82
Mean −0.02052
Std Dev 0.8788

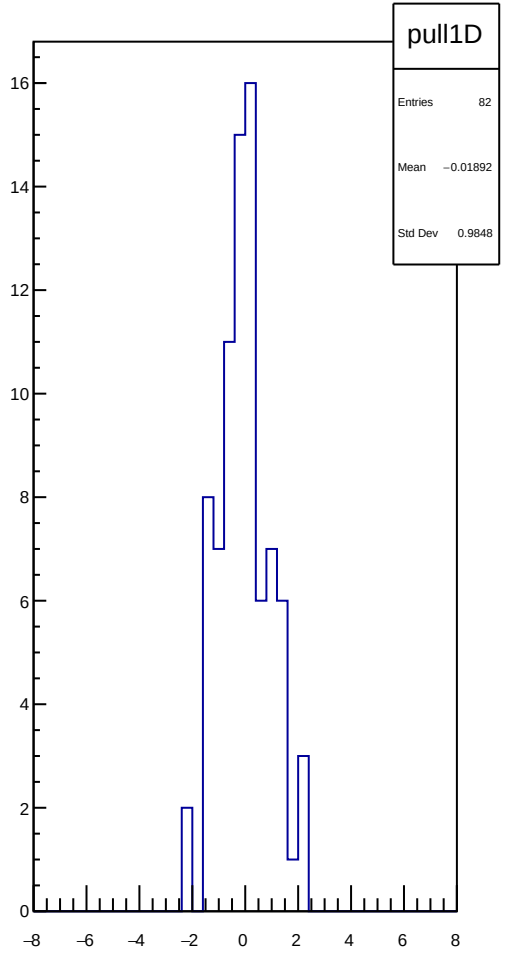

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 8.421e+04 / 81
p0 98.99 ± 0.08107
300
250
200
150
100

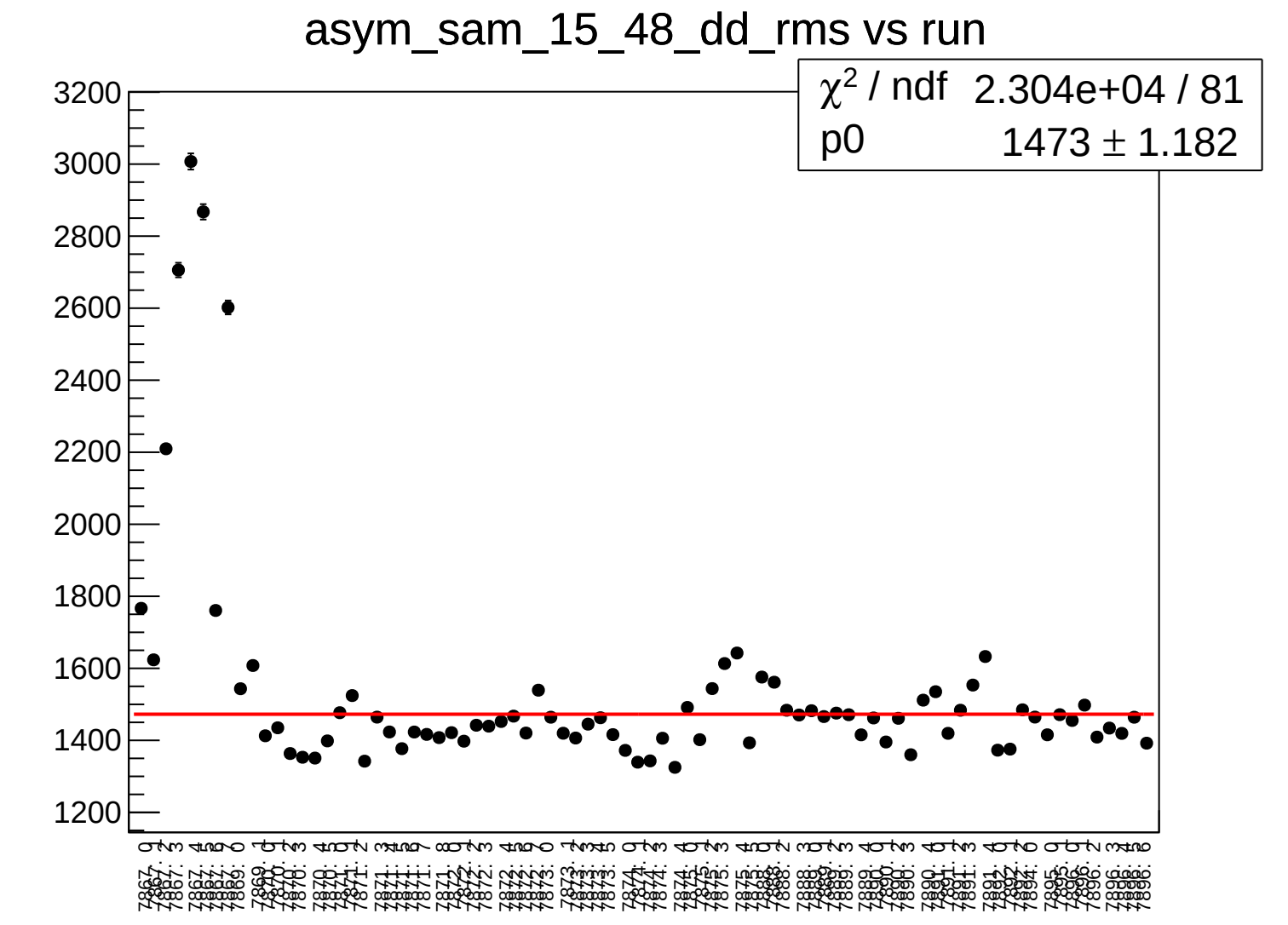

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 77.54 / 81
p0 1293 ± 1661
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −108.5
Std Dev 140.2
2
1
0
−1
−2

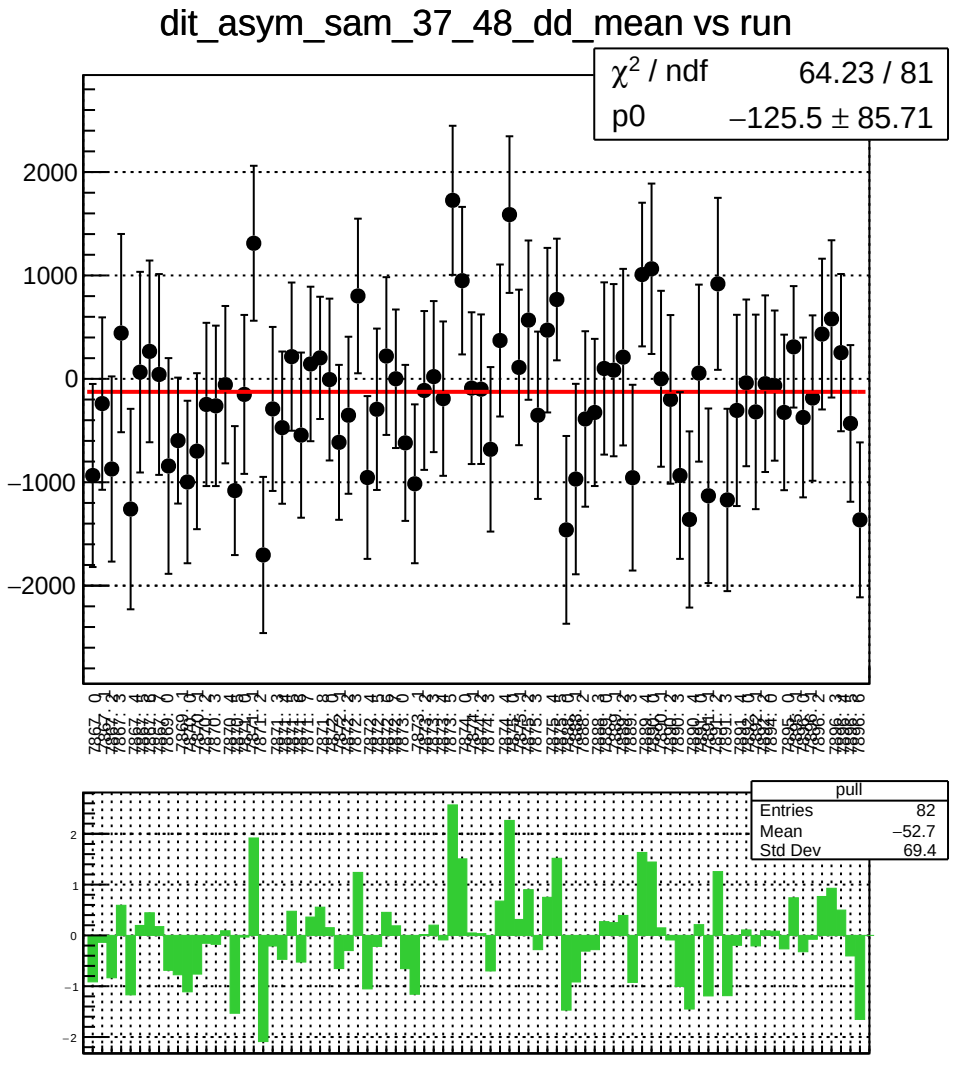

pull1D
Entries 82
Mean 0.01737
Std Dev 0.9723
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

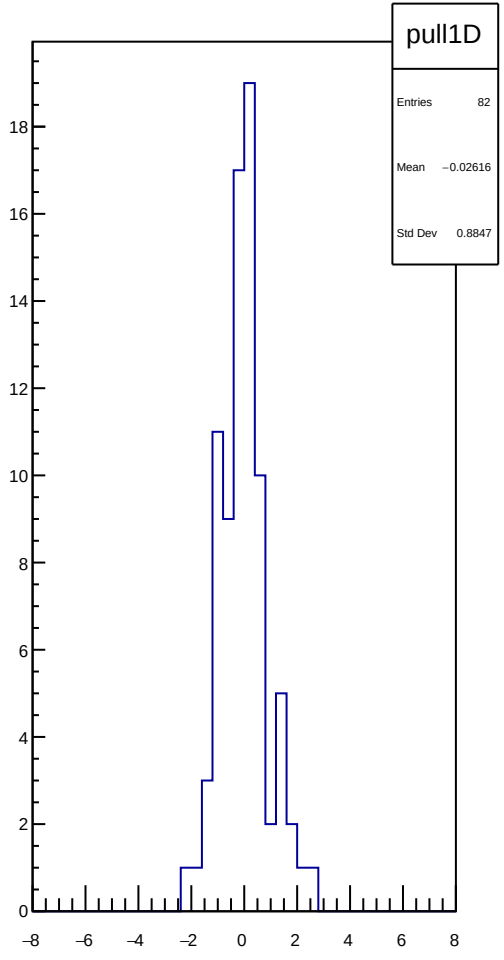

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.381e+04 / 81
p0 1463 ± 1.174
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

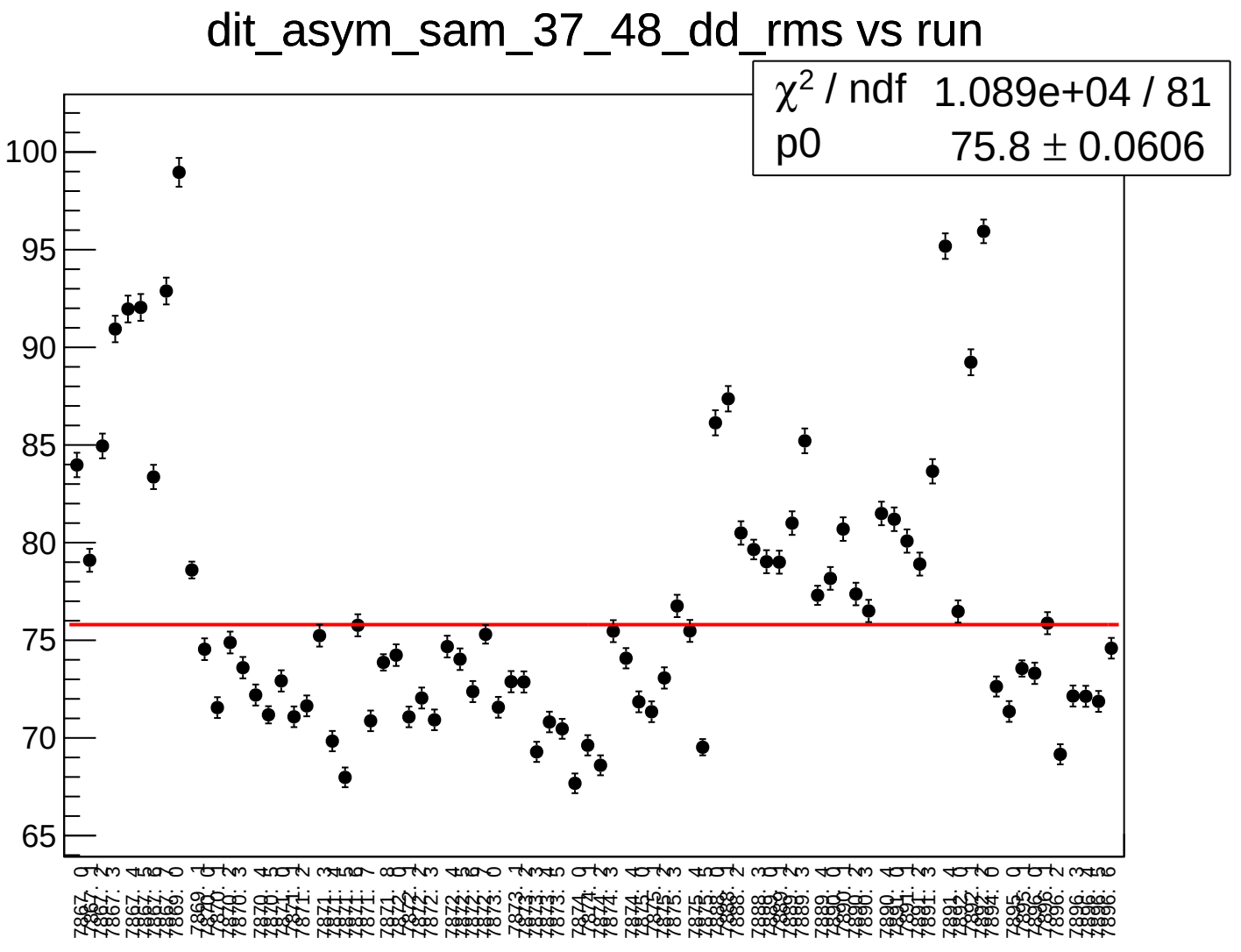

asym_sam_15_48_dd_mean vs run
χ² / ndf 79.55 / 81
p0 −1667 ± 1672
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −94.75
Std Dev 125.4
2
1
0
−1
−2

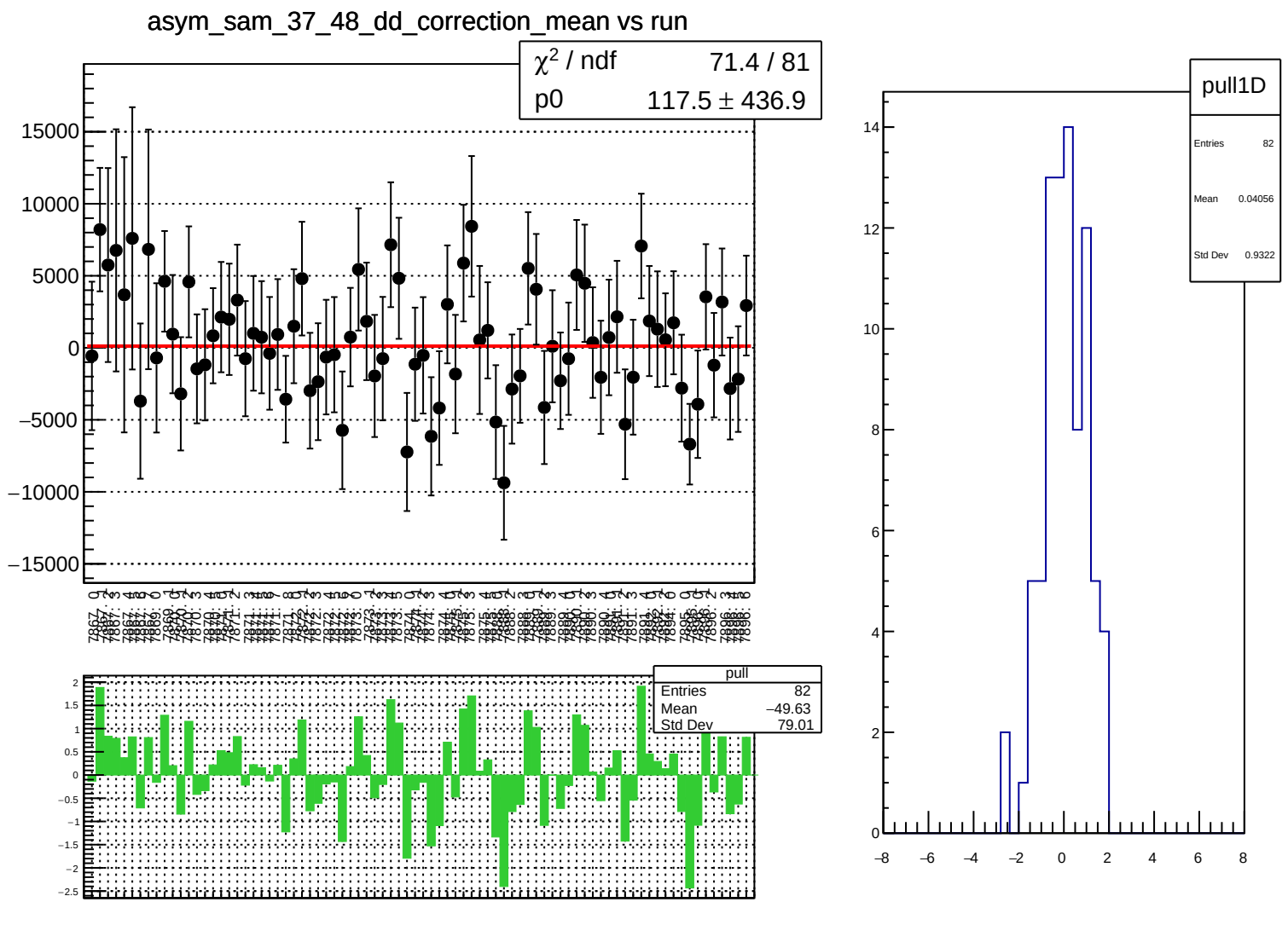

pull1D
Entries 82
Mean −0.01892
Std Dev 0.9848
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

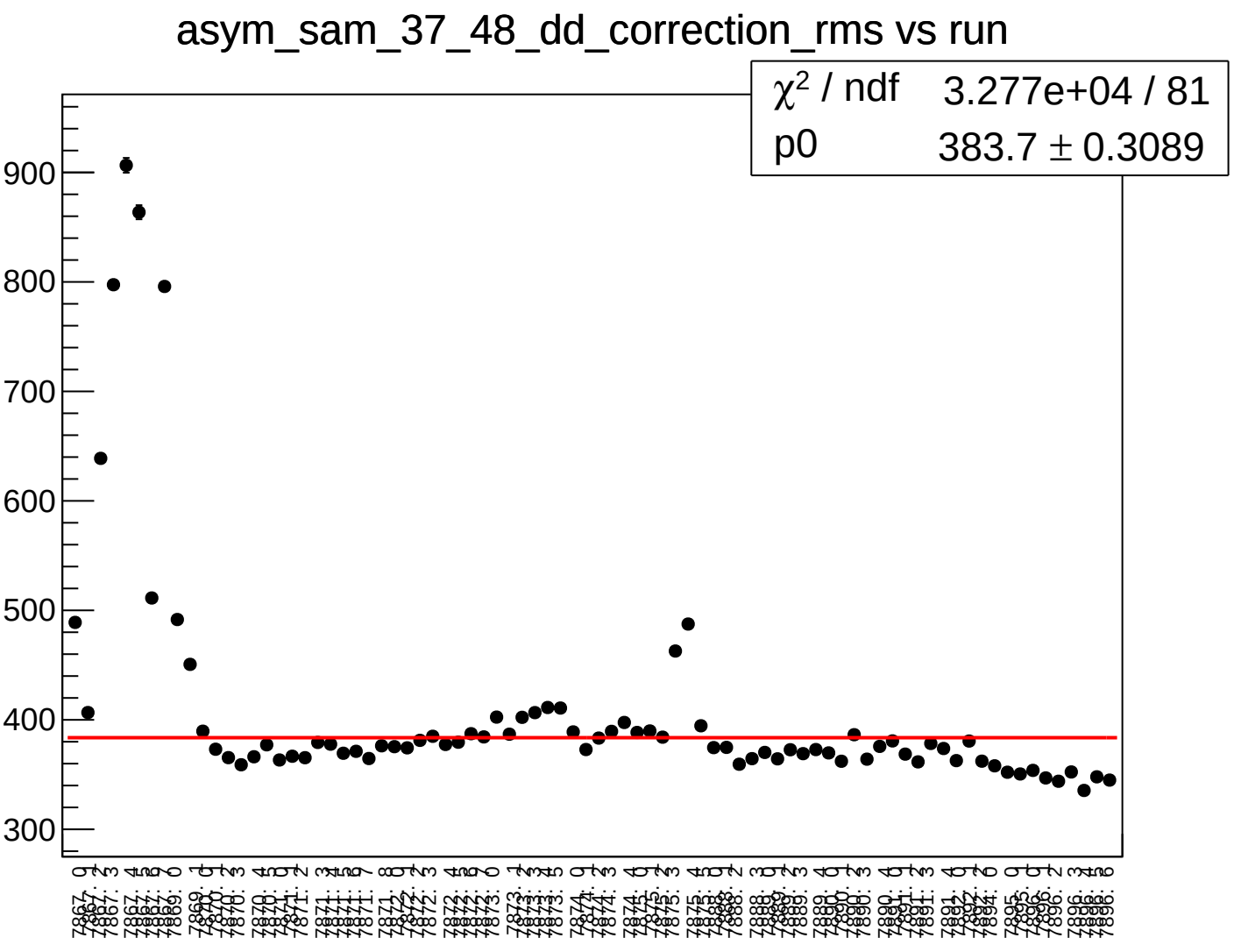

asym_sam_15_48_dd_rms vs run
χ² / ndf 2.304e+04 / 81
p0 1473 ± 1.182
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

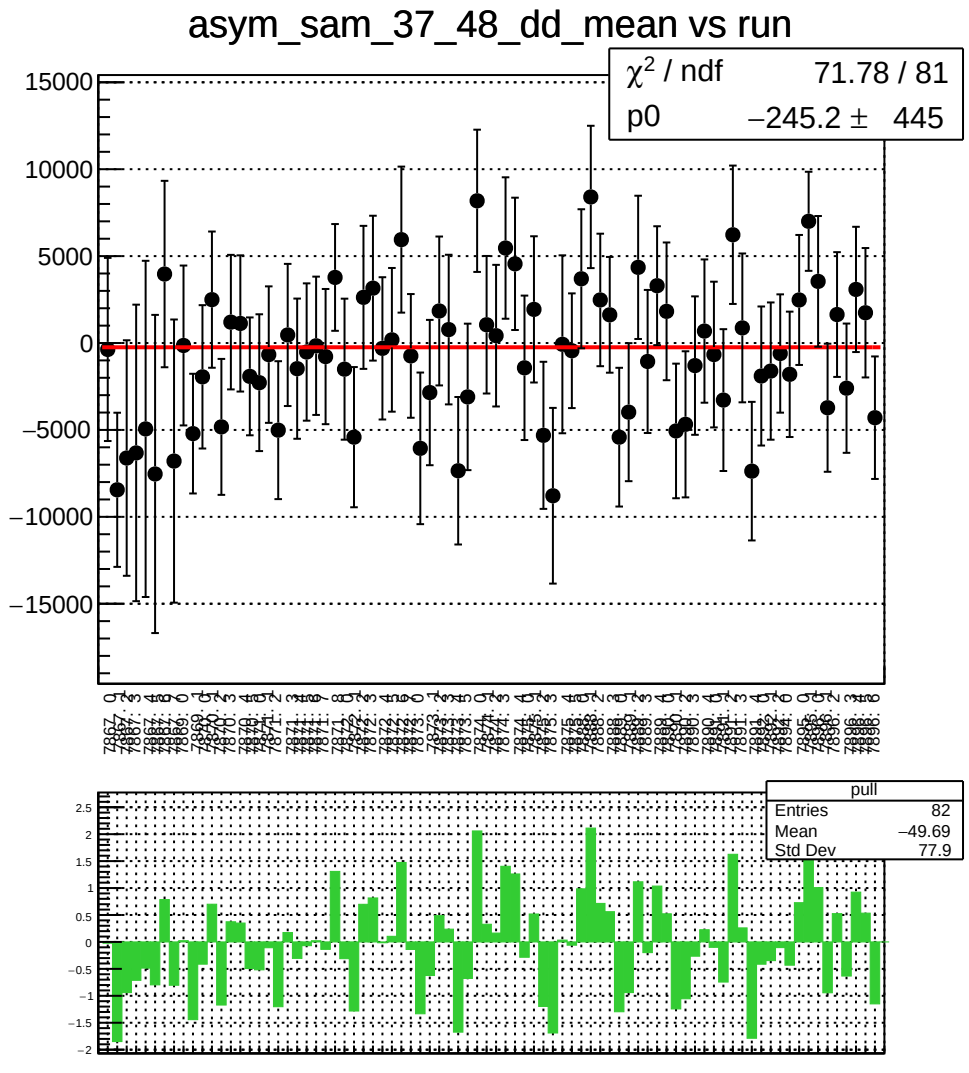

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 64.23 / 81
p0 −125.5 ± 85.71
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −52.7
Std Dev 69.4
2
1
0
−1
−2

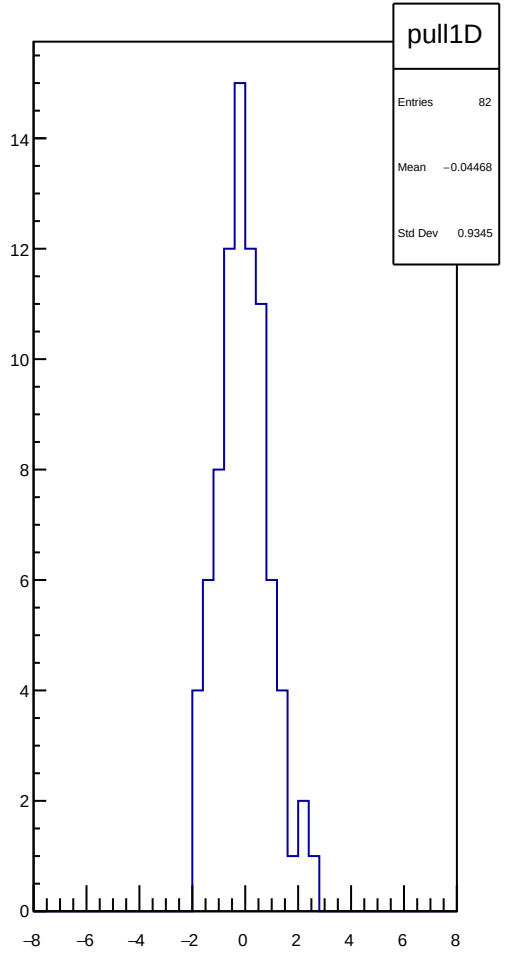

pull1D
Entries 82
Mean −0.02616
Std Dev 0.8847
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

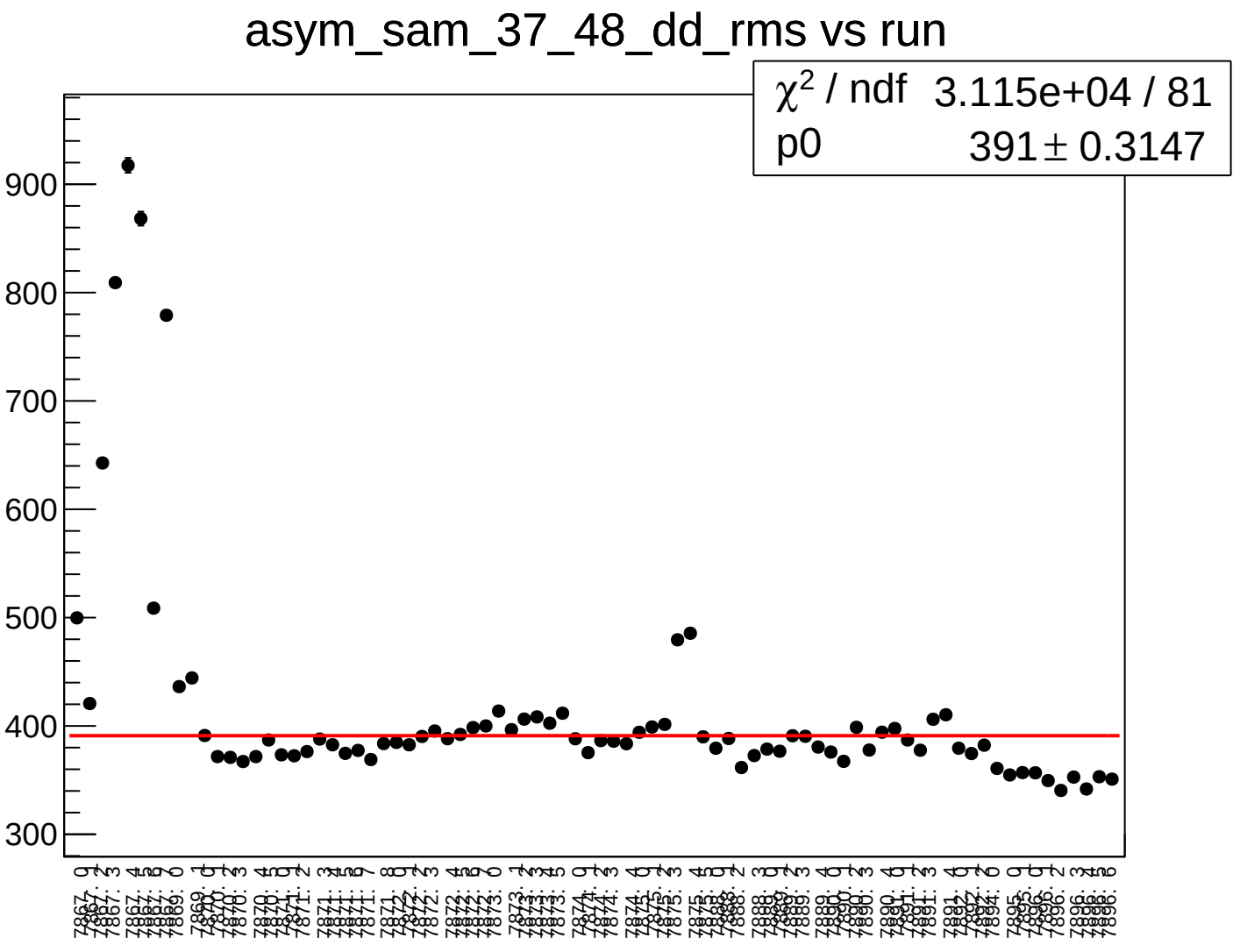

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.089e+04 / 81
p0 75.8 ± 0.0606
100
95
90
85
80
75
70
65

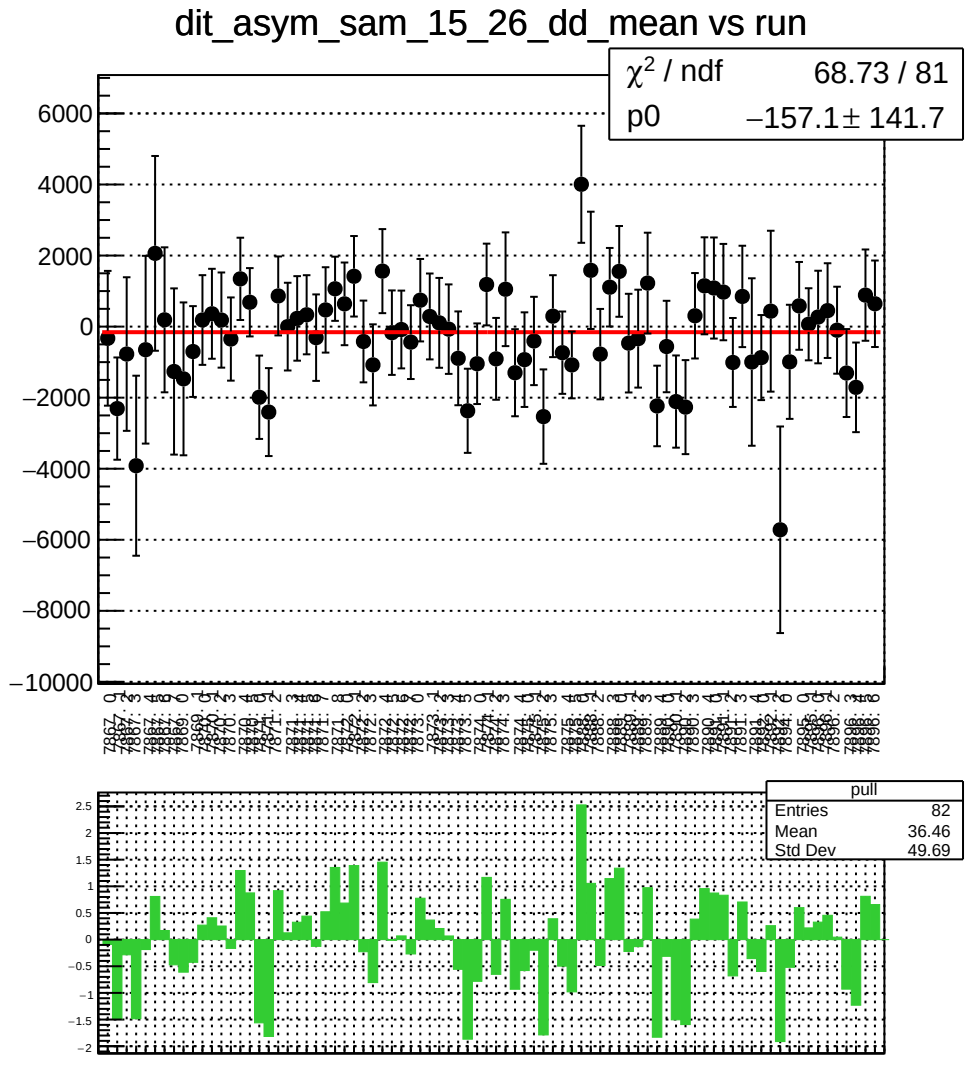

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 71.4 / 81
p0 117.5 ± 436.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −49.63
Std Dev 79.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean 0.04056
Std Dev 0.9322
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

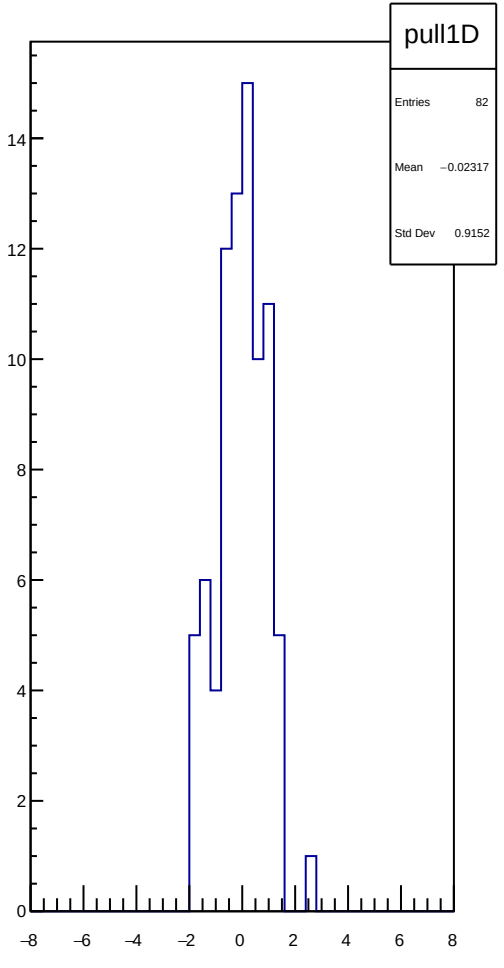

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3.277e+04 / 81
p0 383.7 ± 0.3089
900
800
700
600
500
400
300

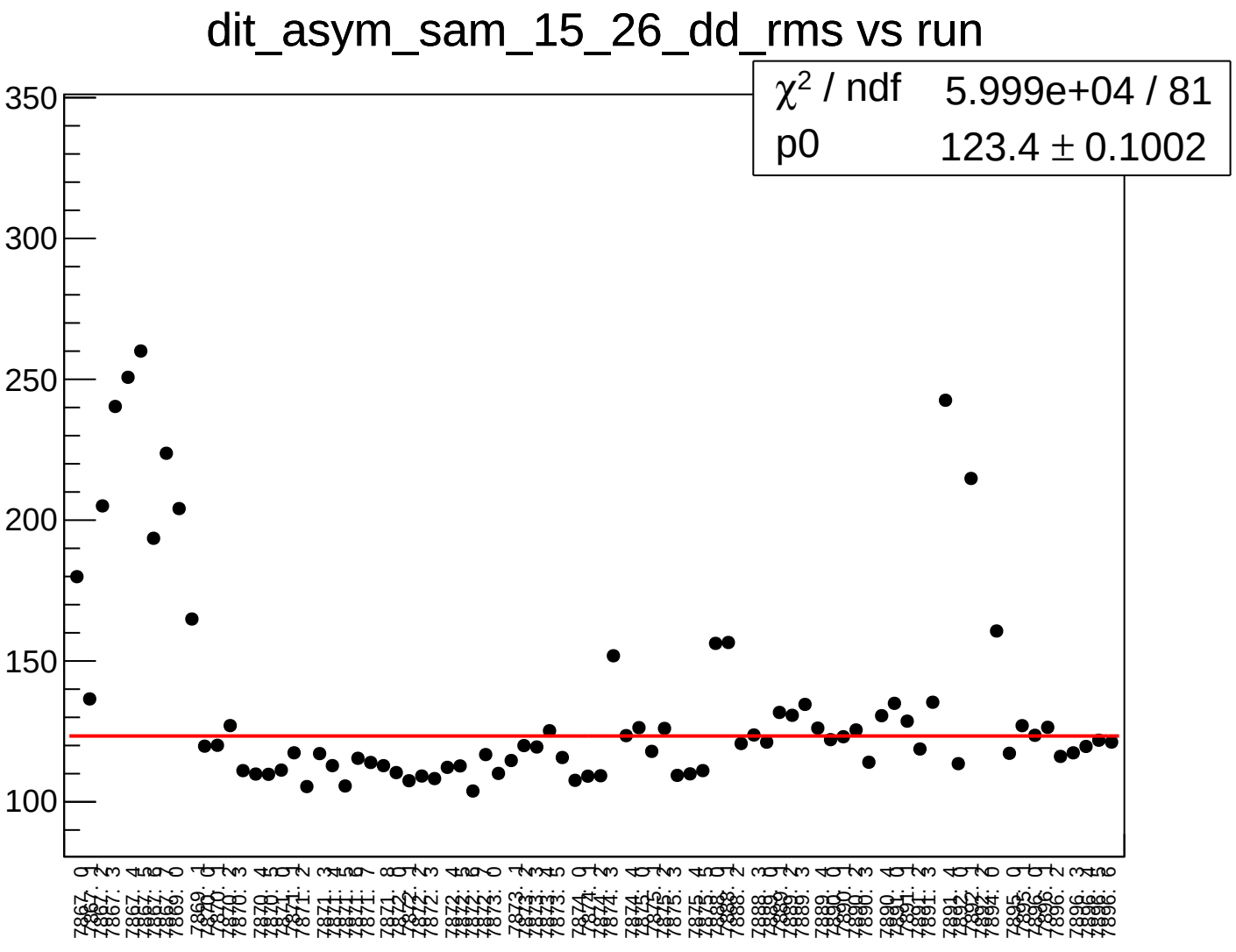

asym_sam_37_48_dd_mean vs run
χ² / ndf 71.78 / 81
p0 −245.2 ± 445
pull
Entries 82
Mean −49.69
Std Dev 77.9

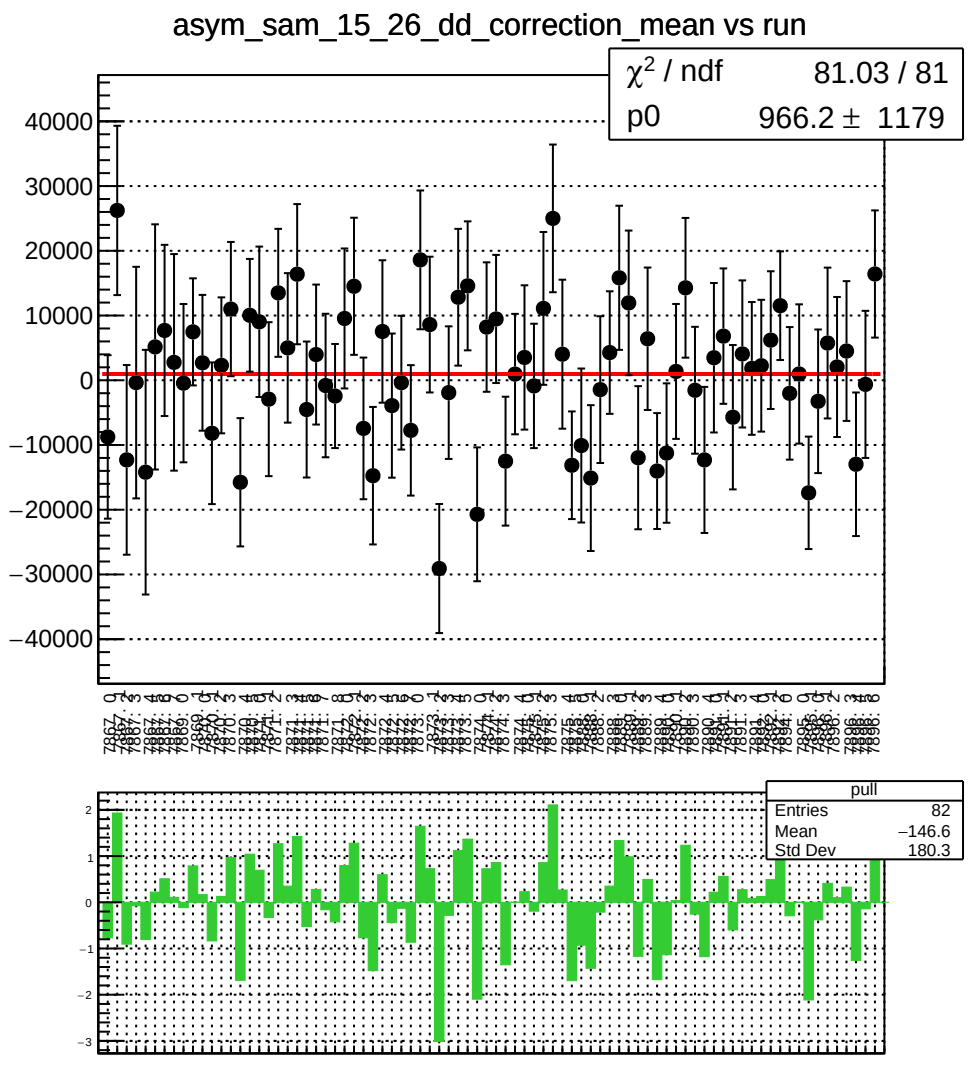

pull1D
Entries 82
Mean −0.04468
Std Dev 0.9345

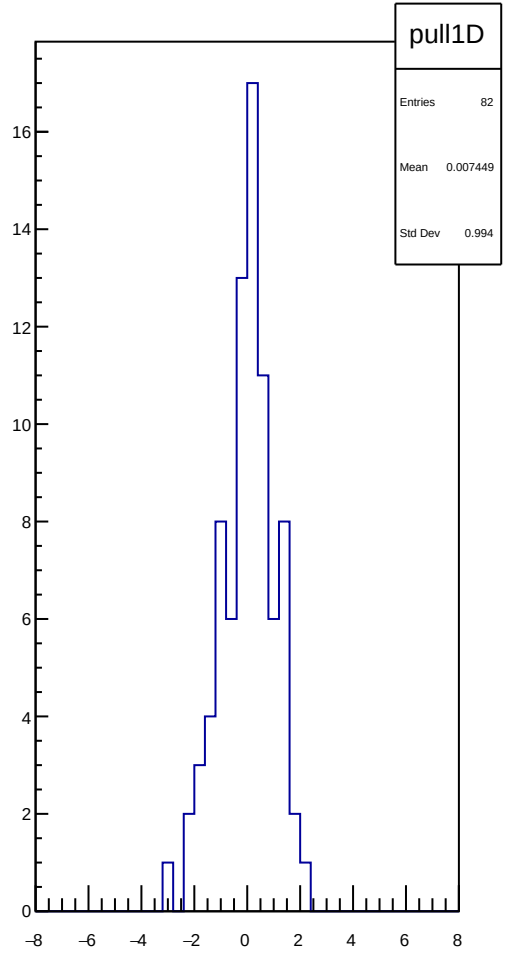

asym_sam_37_48_dd_rms vs run
χ² / ndf 3.115e+04 / 81
p0 391 ± 0.3147
900
800
700
600
500
400
300

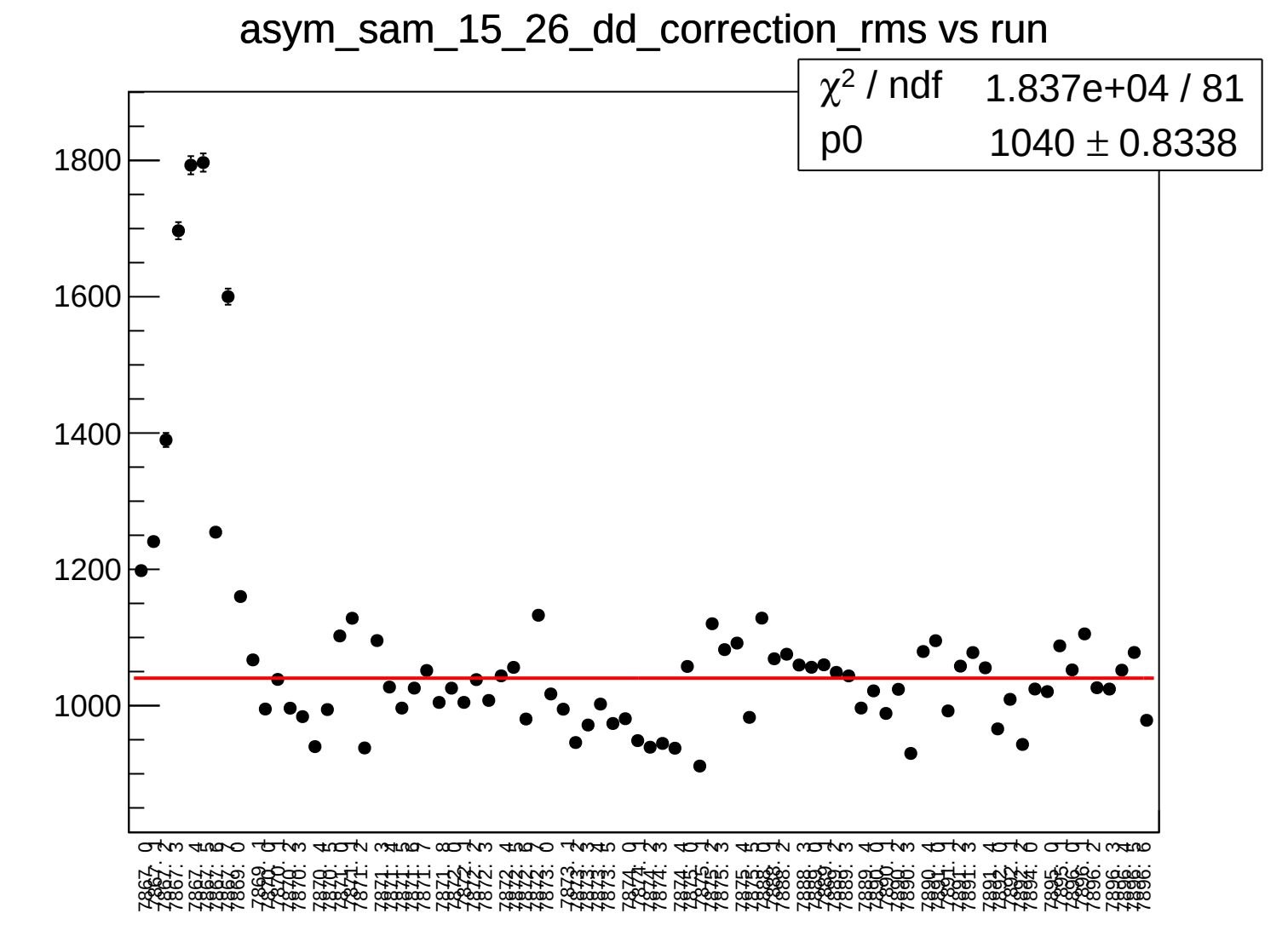

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.73 / 81
p0 −157.1± 141.7
pull
Entries 82
Mean 36.46
Std Dev 49.69

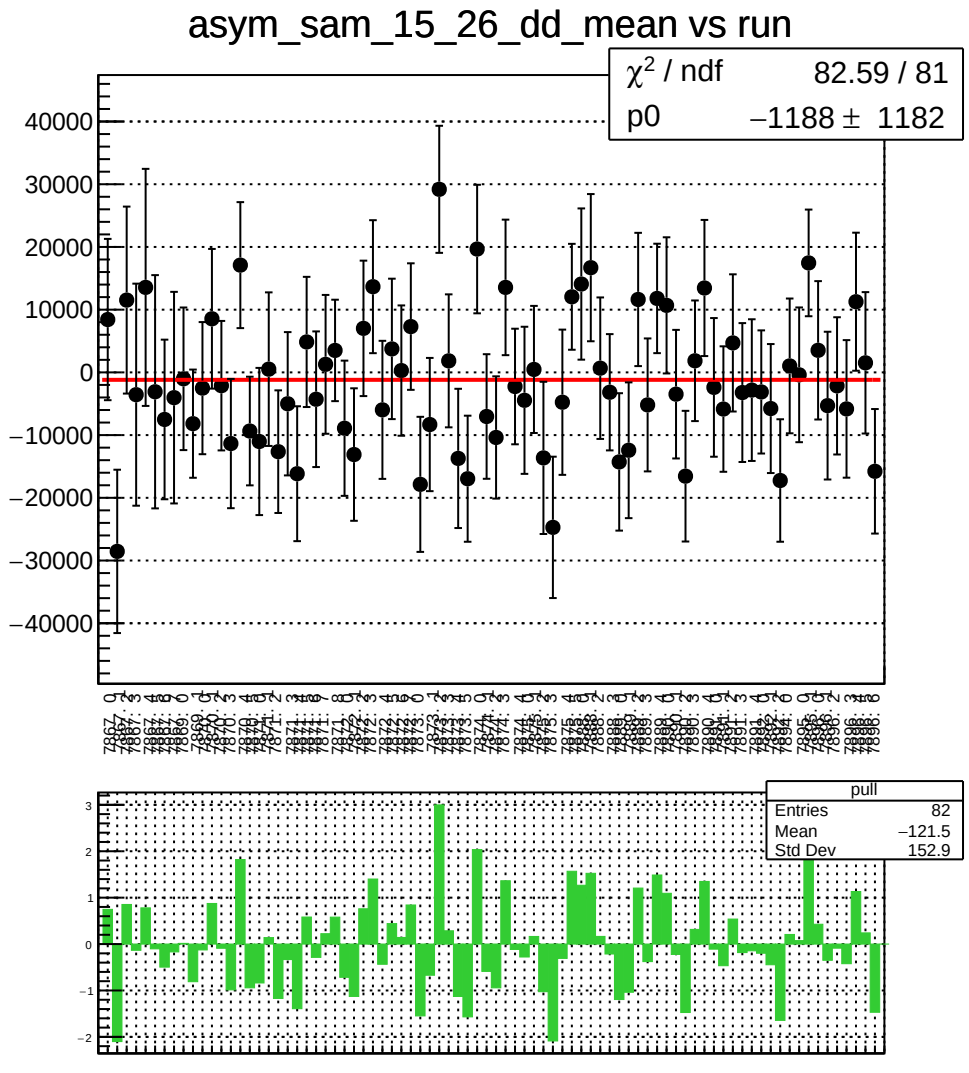

pull1D
Entries 82
Mean −0.02317
Std Dev 0.9152

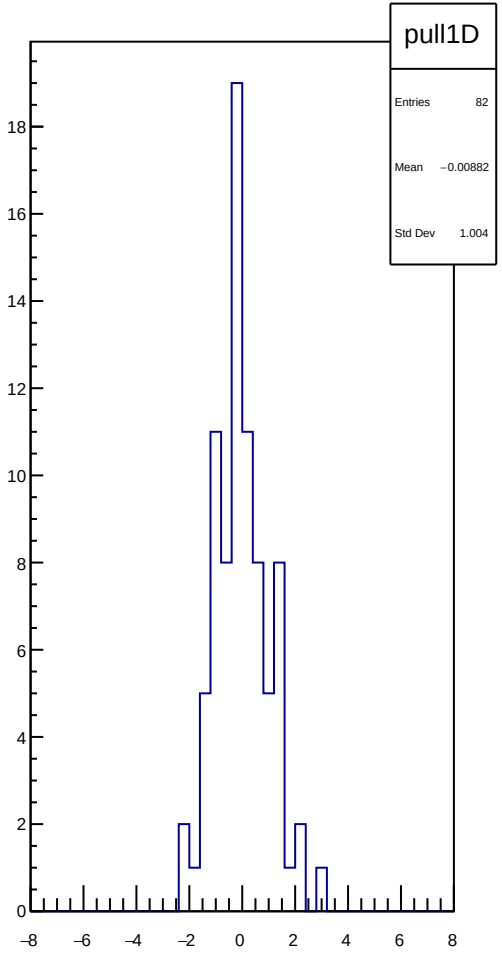

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 5.999e+04 / 81
p0 123.4 ± 0.1002
350
300
250
200
150
100

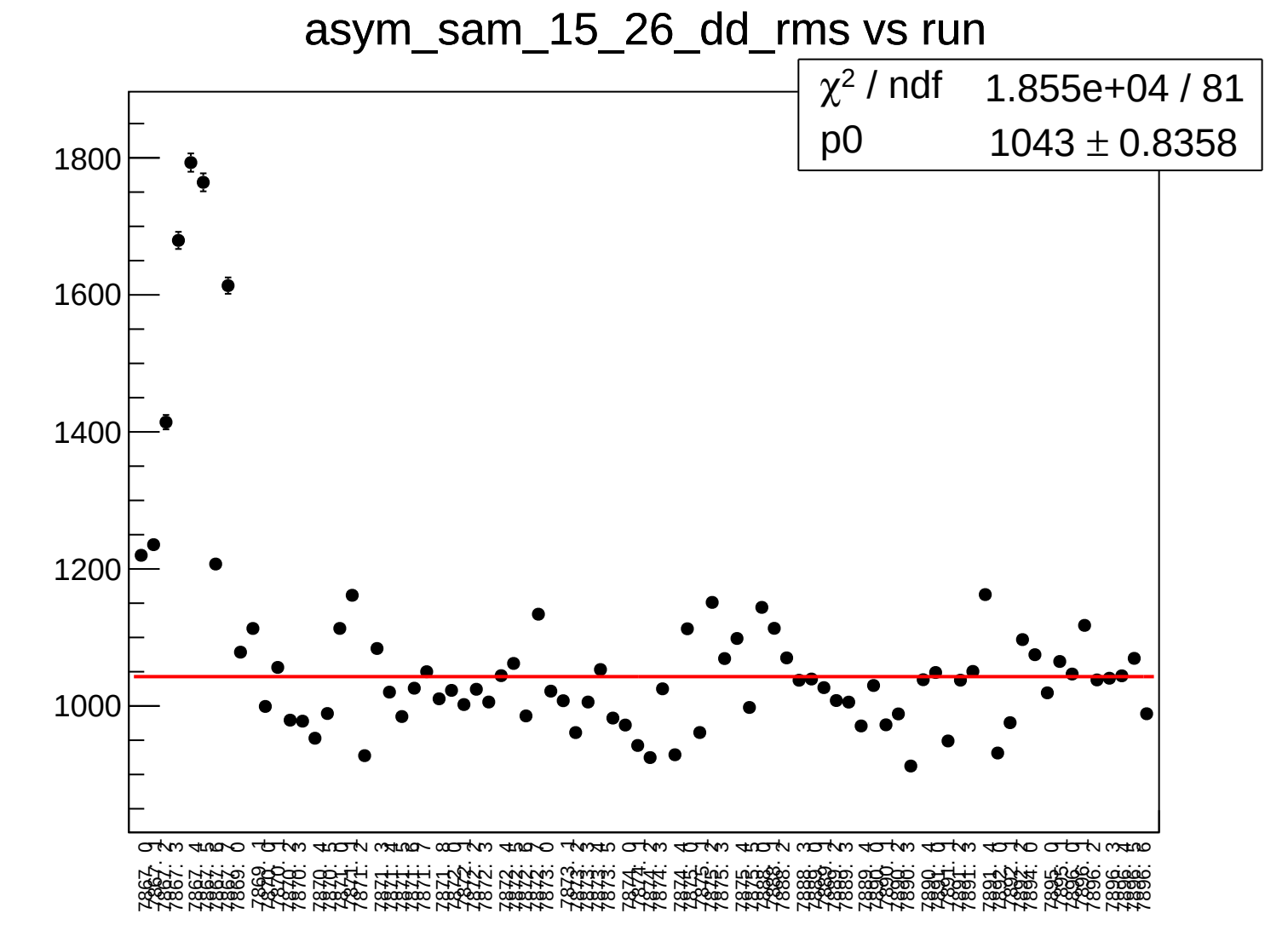

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 81.03 / 81
p0 966.2 ± 1179
pull
Entries 82
Mean −146.6
Std Dev 180.3

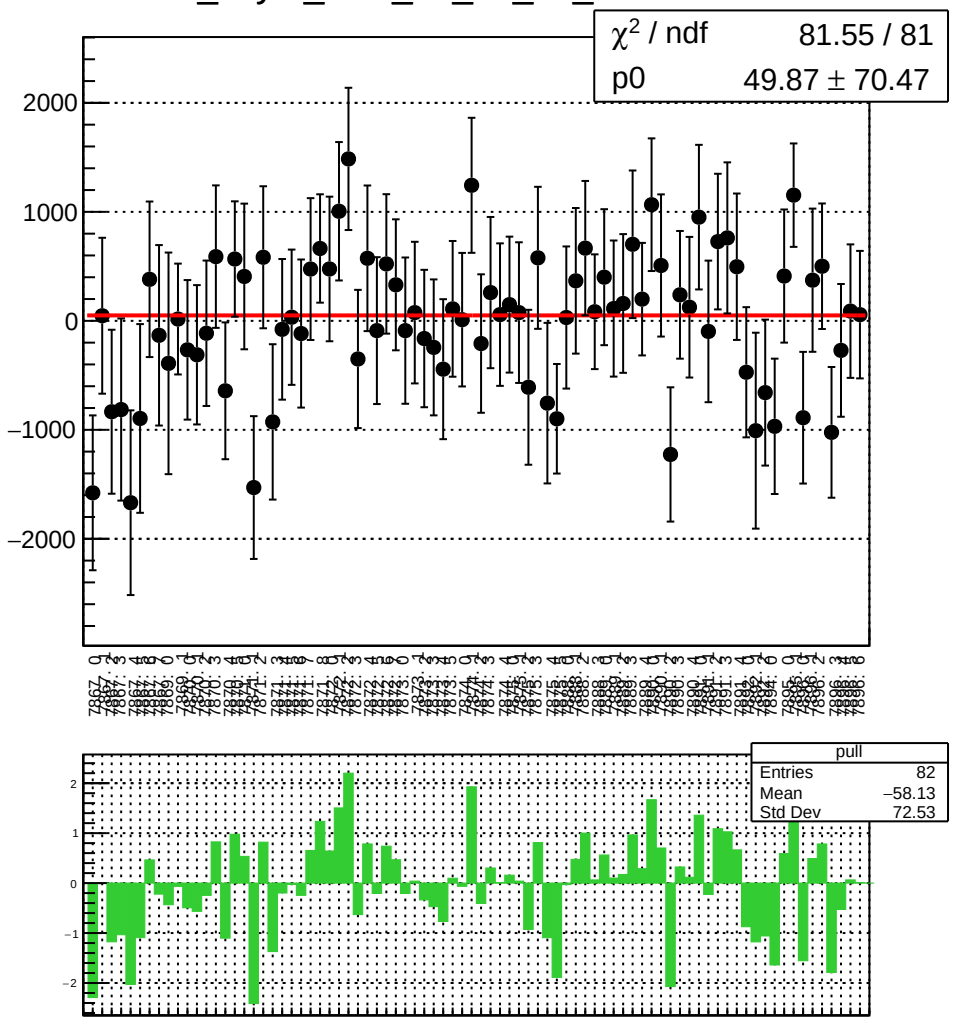

pull1D
Entries 82
Mean 0.007449
Std Dev 0.994

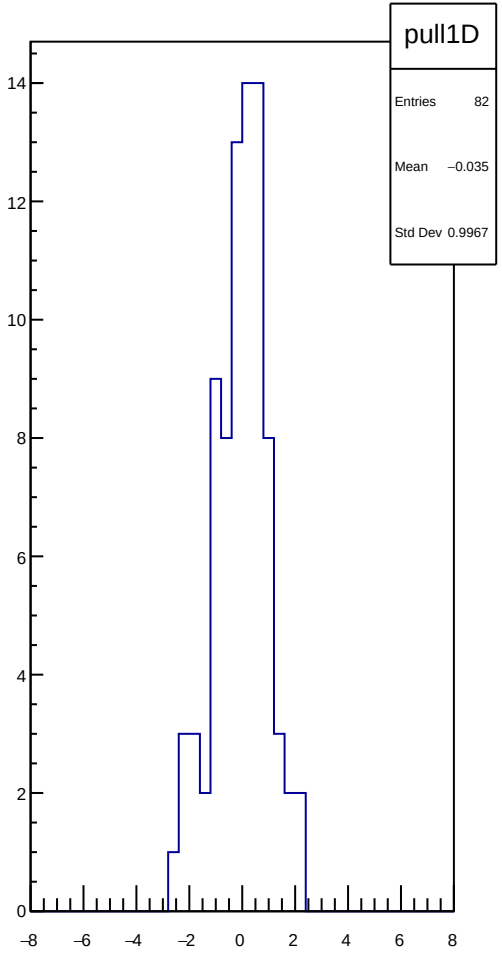

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1.837e+04 / 81
p0 1040 ± 0.8338
1800
1600
1400
1200
1000

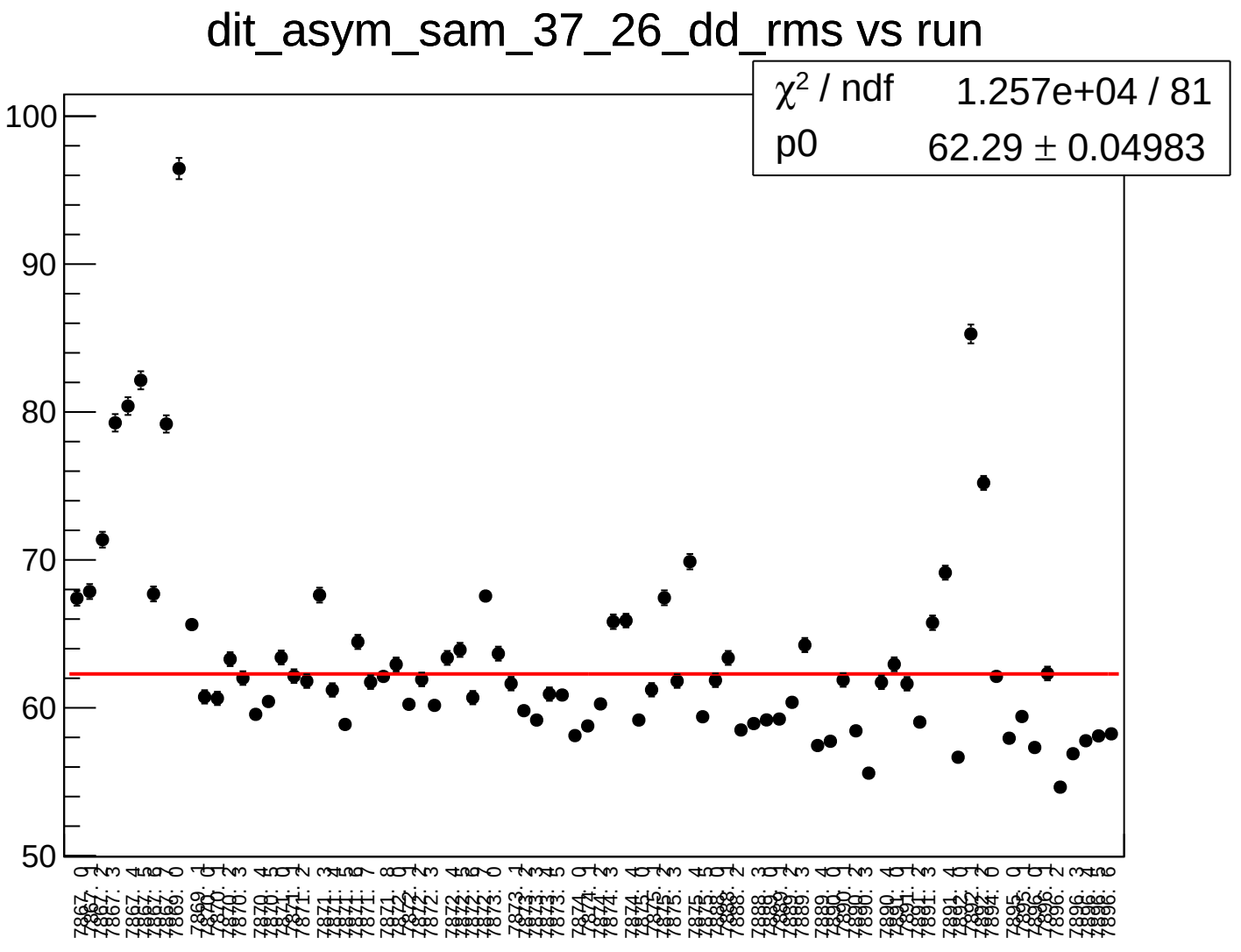

asym_sam_15_26_dd_mean vs run
χ² / ndf 82.59 / 81
p0 −1188 ± 1182
pull
Entries 82
Mean −121.5
Std Dev 152.9

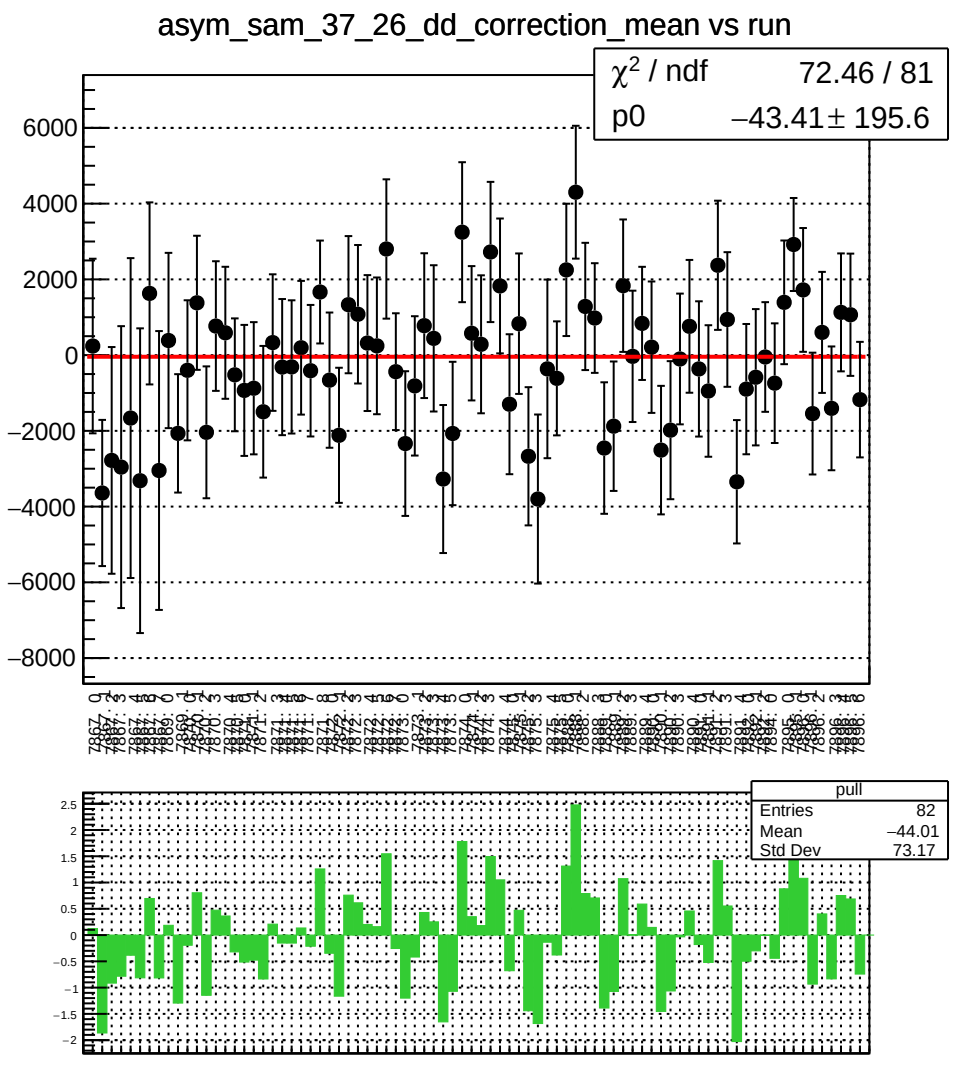

pull1D
Entries 82
Mean −0.00882
Std Dev 1.004

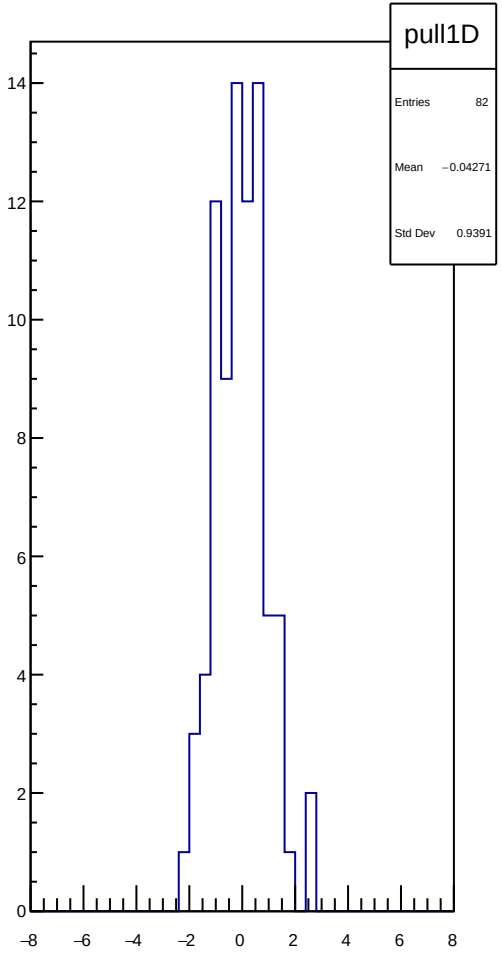

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.855e+04 / 81
p0 1043 ± 0.8358
1800
1600
1400
1200
1000

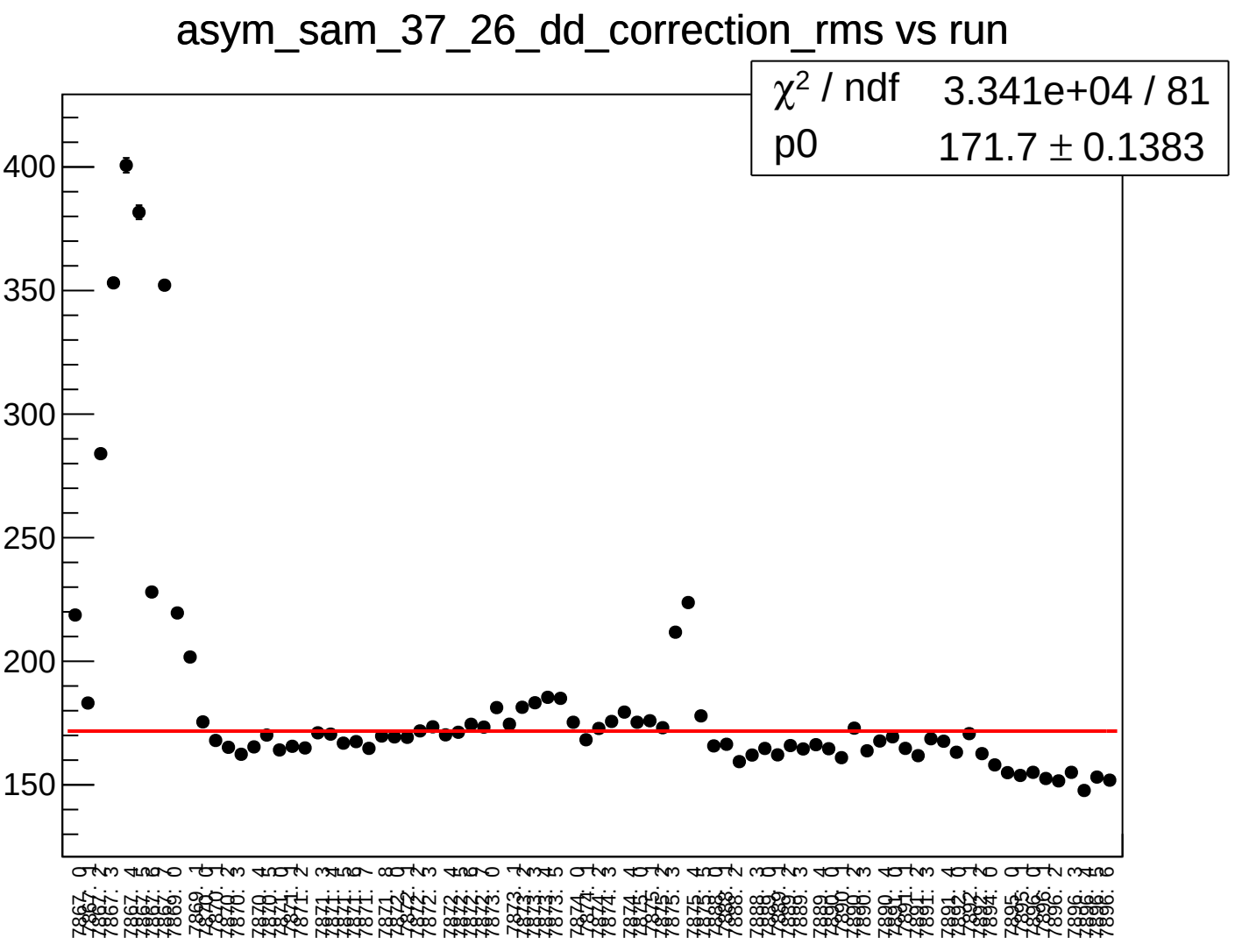

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 81.55 / 81
p0 49.87 ± 70.47
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −58.13
Std Dev 72.53
2
1
0
−1
−2

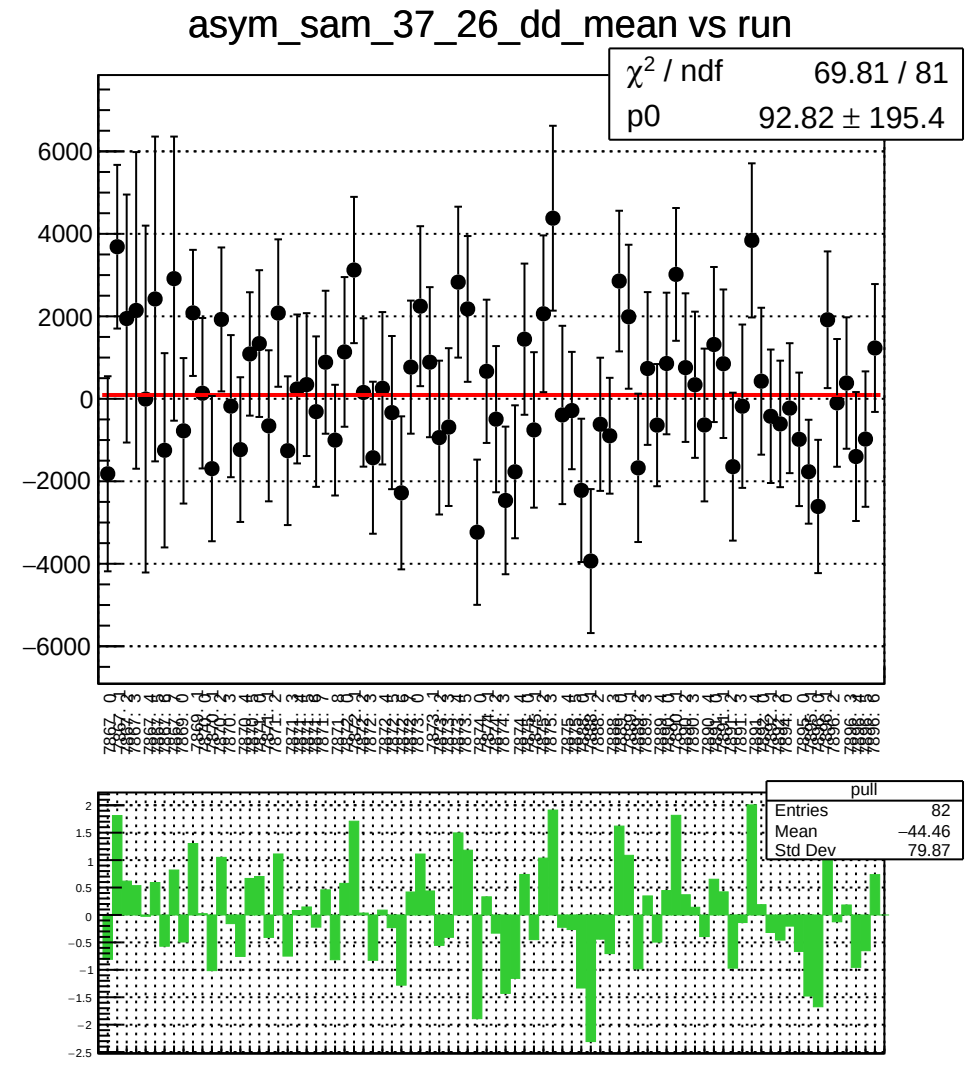

pull1D
Entries 82
Mean −0.035
Std Dev 0.9967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

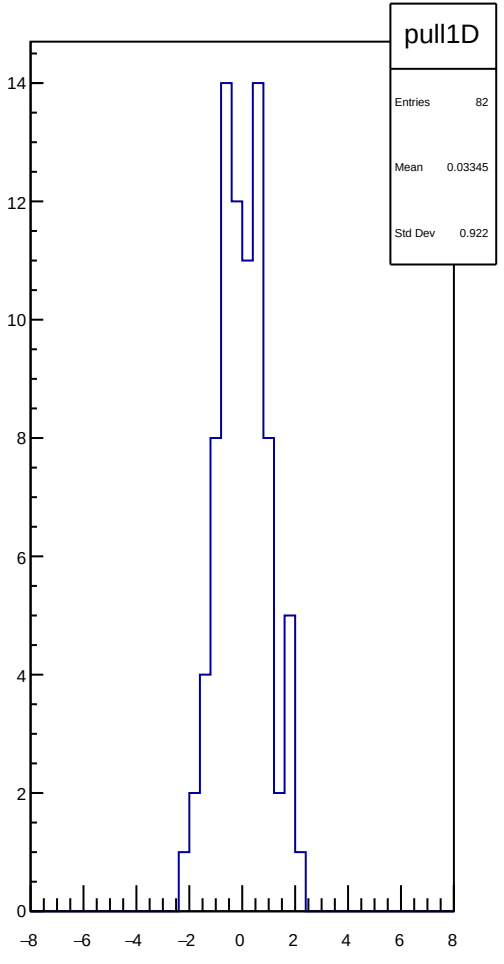

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.257e+04 / 81
p0 62.29 ± 0.04983
100
90
80
70
60
50

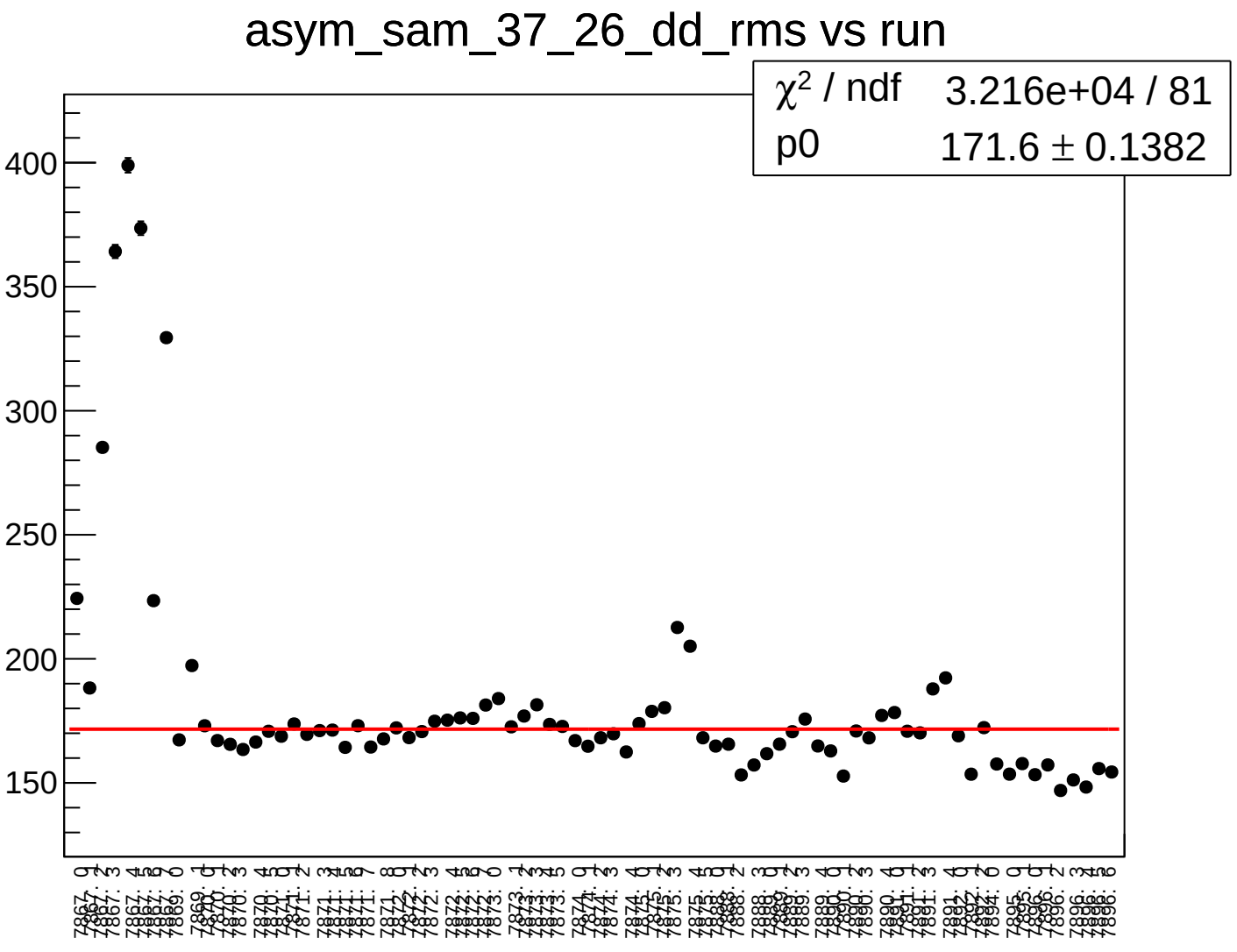

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 72.46 / 81
p0 −43.41 ± 195.6
pull
Entries 82
Mean −44.01
Std Dev 73.17

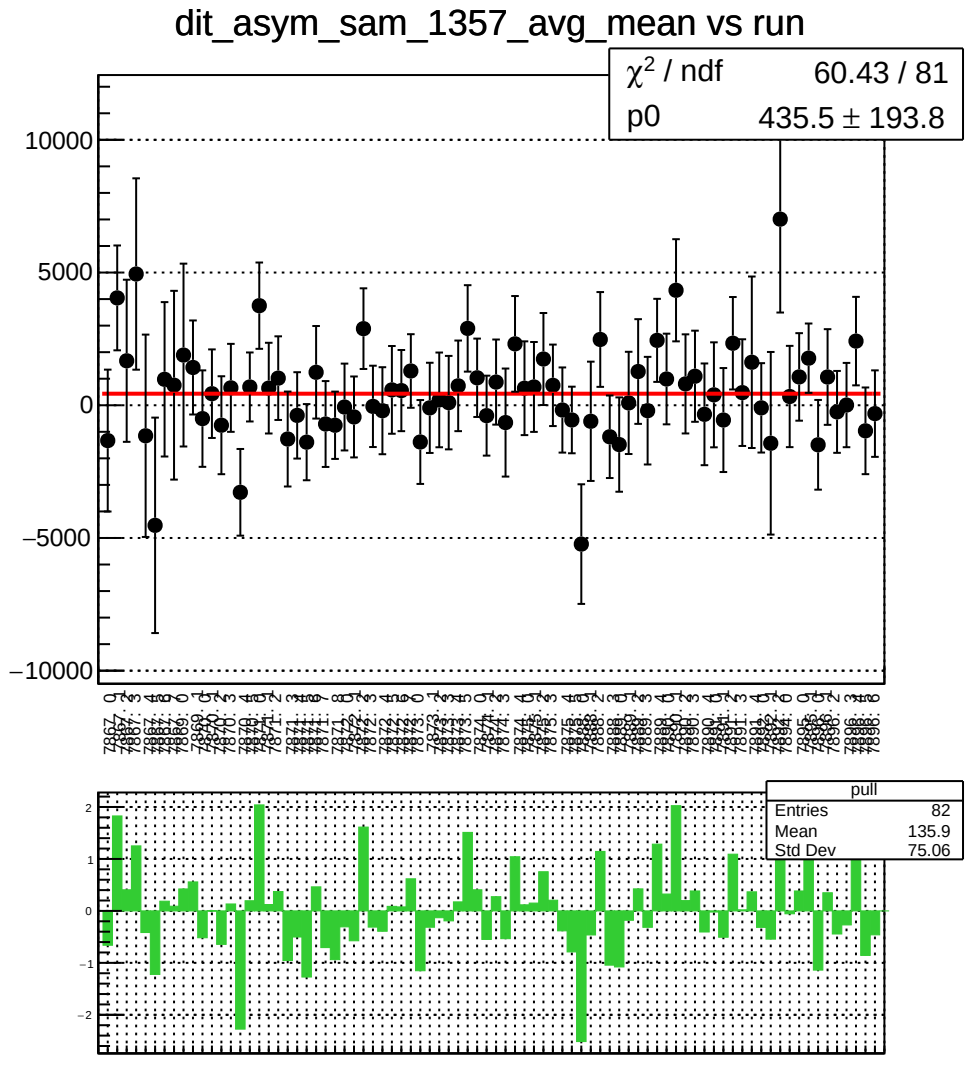

pull1D
Entries 82
Mean −0.04271
Std Dev 0.9391

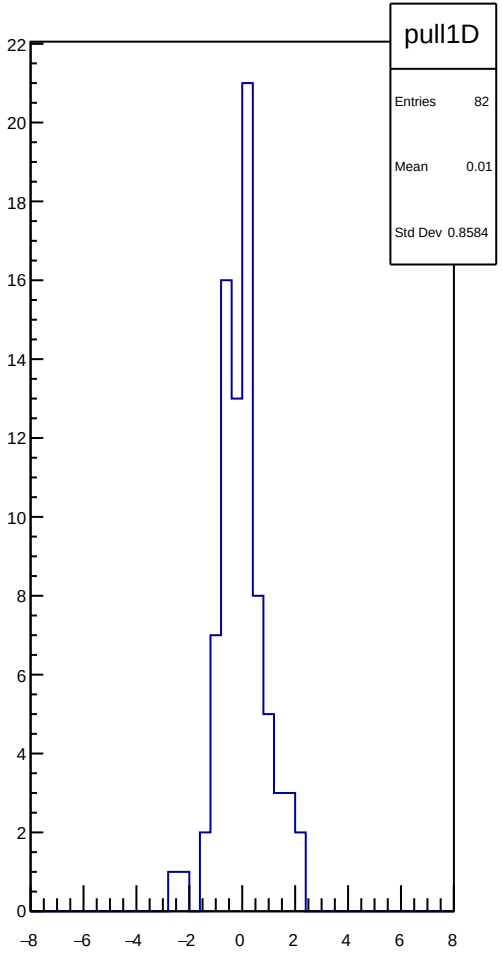

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3.341e+04 / 81
p0 171.7 ± 0.1383
400
350
300
250
200
150

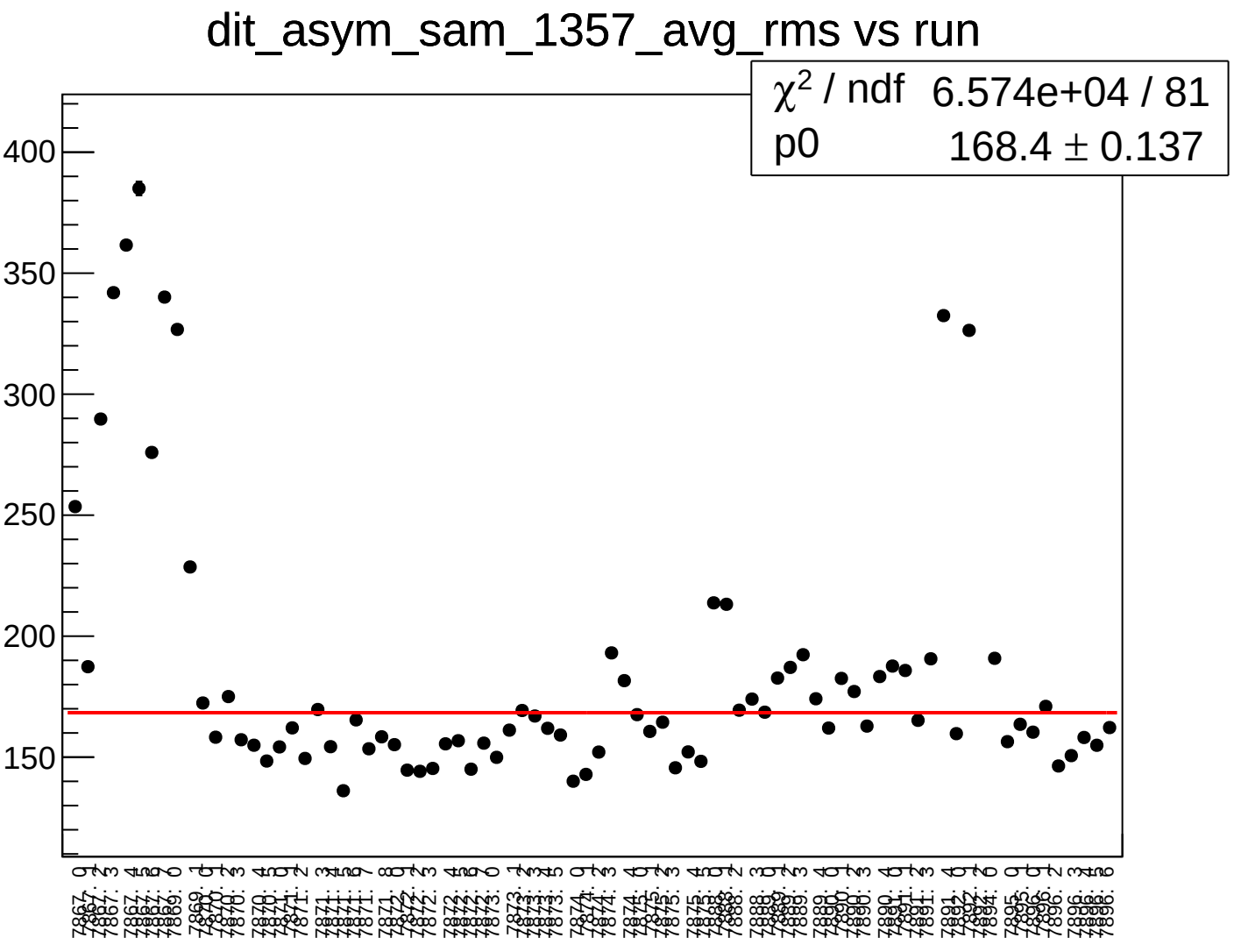

asym_sam_37_26_dd_mean vs run
χ² / ndf 69.81 / 81
p0 92.82 ± 195.4
pull
Entries 82
Mean −44.46
Std Dev 79.87

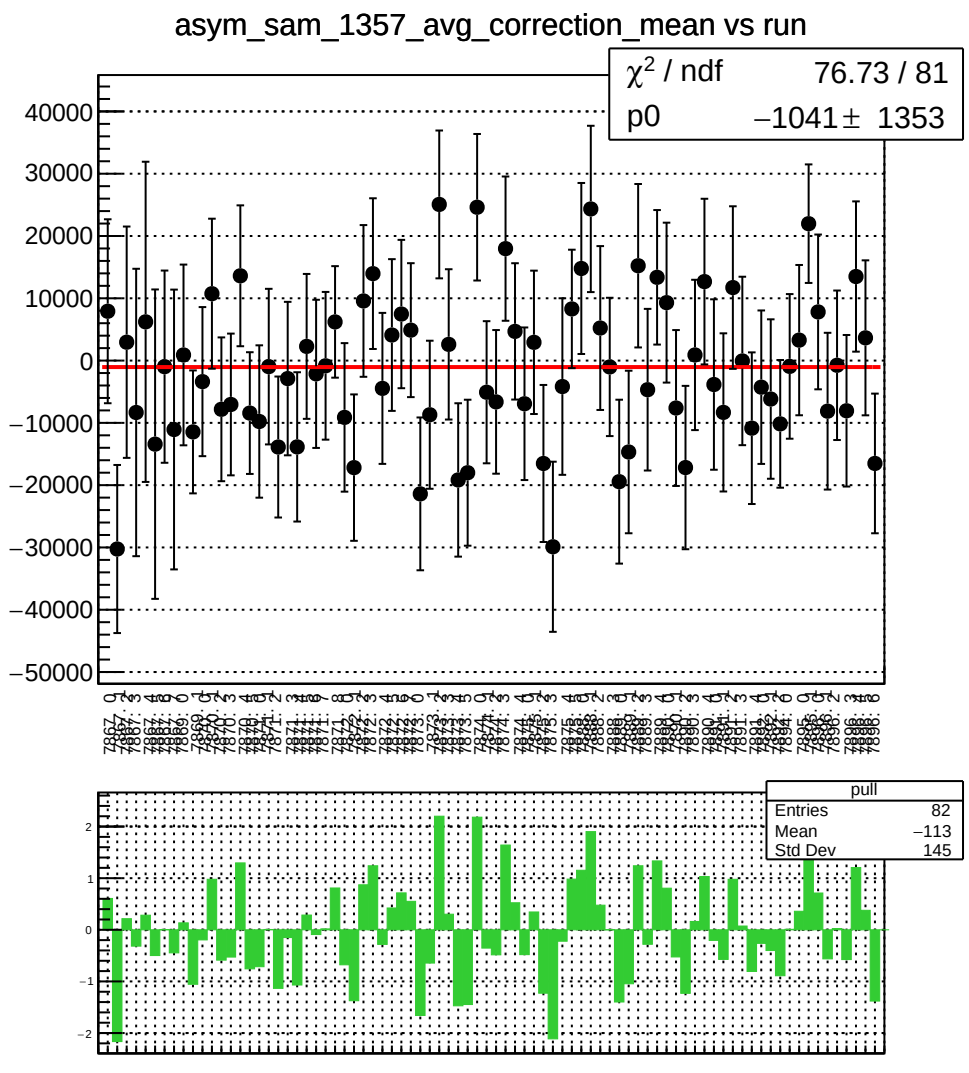

pull1D
Entries 82
Mean 0.03345
Std Dev 0.922

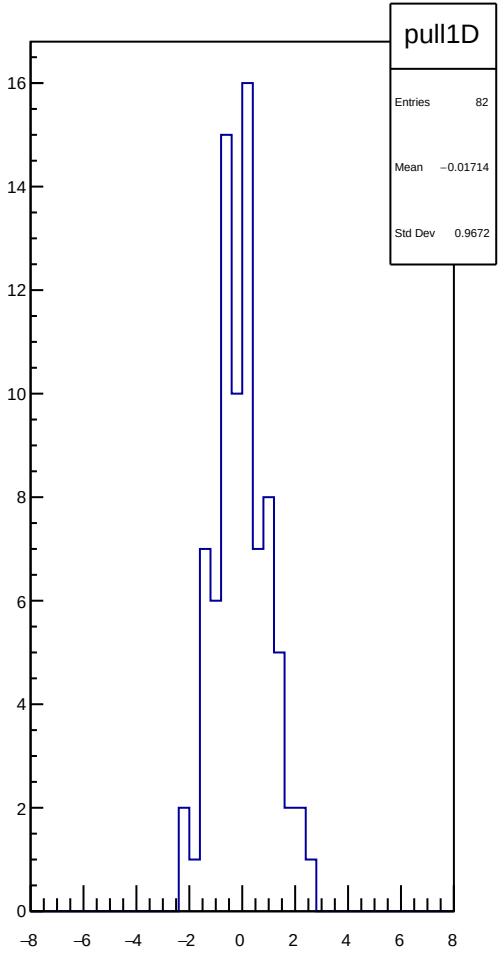

asym_sam_37_26_dd_rms vs run
χ² / ndf 3.216e+04 / 81
p0 171.6 ± 0.1382
400
350
300
250
200
150

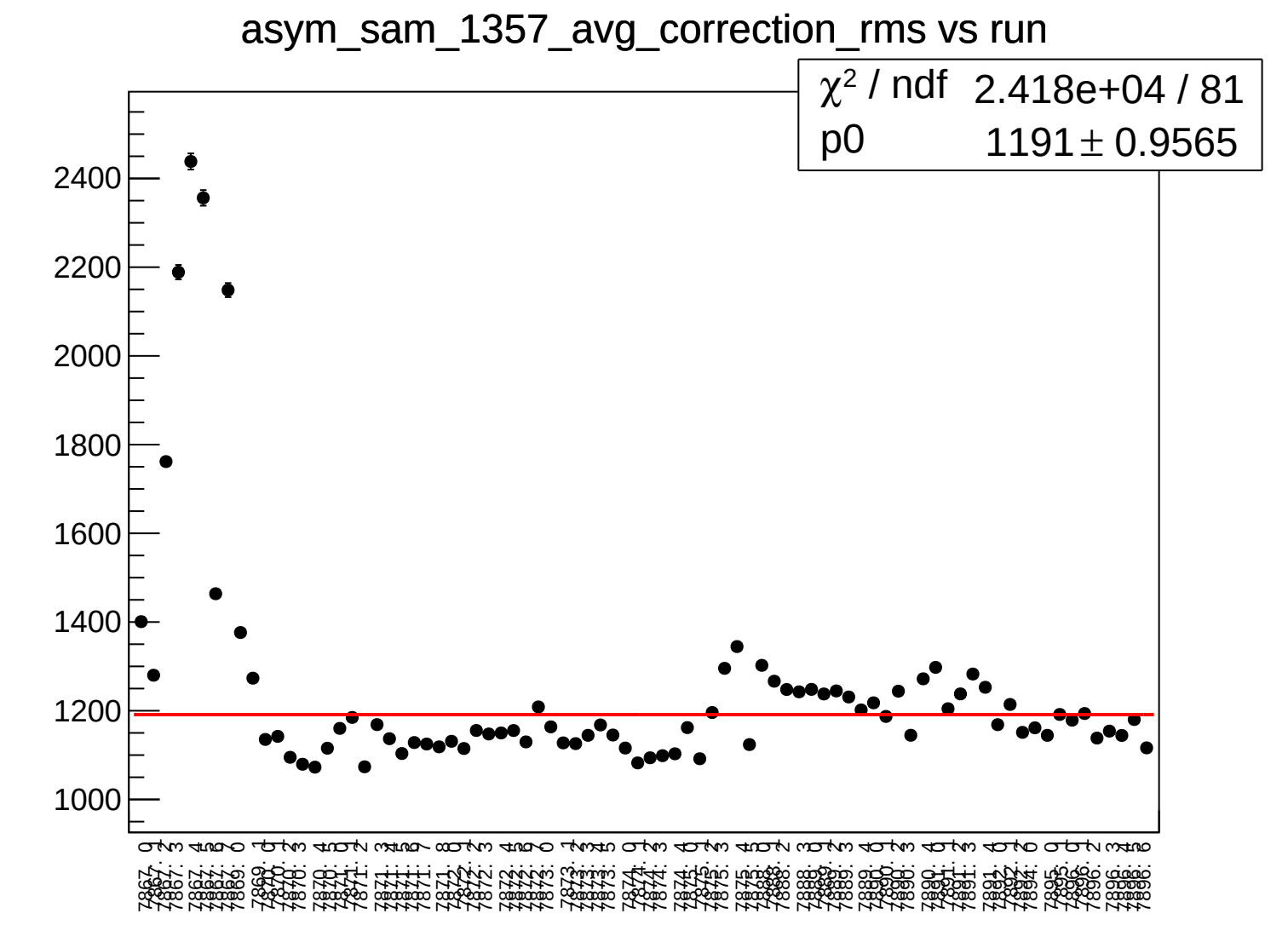

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 60.43 / 81
p0 435.5 ± 193.8
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 135.9
Std Dev 75.06
2
1
0
−1
−2

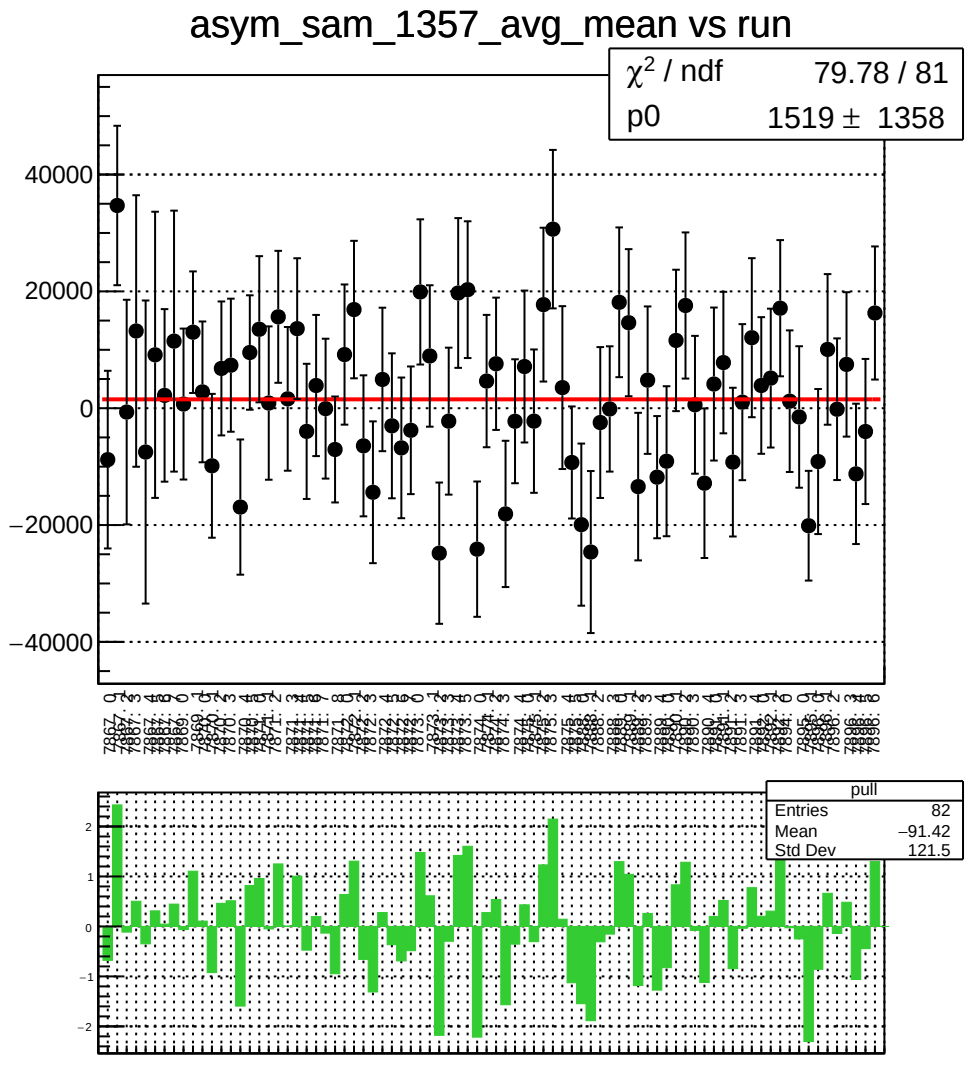

pull1D
Entries 82
Mean 0.01
Std Dev 0.8584
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

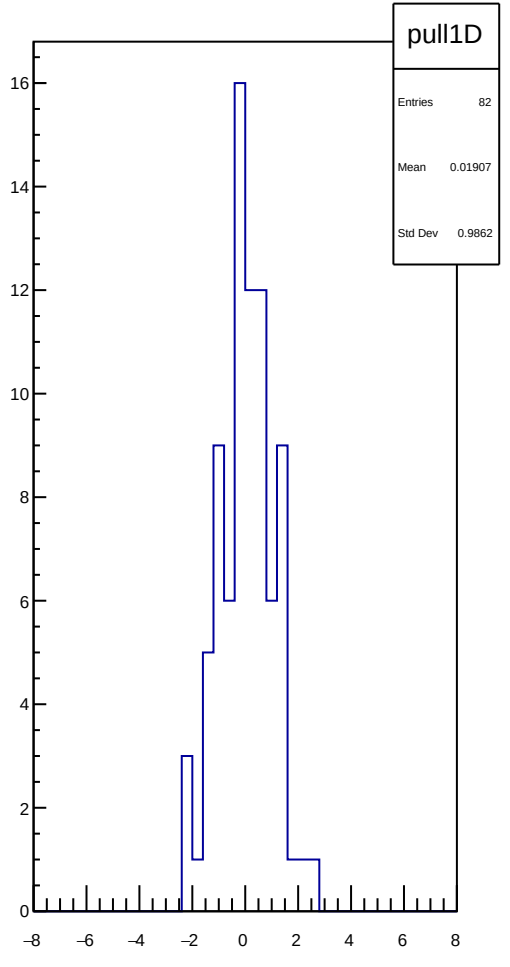

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 6.574e+04 / 81
p0 168.4 ± 0.137
400
350
300
250
200
150

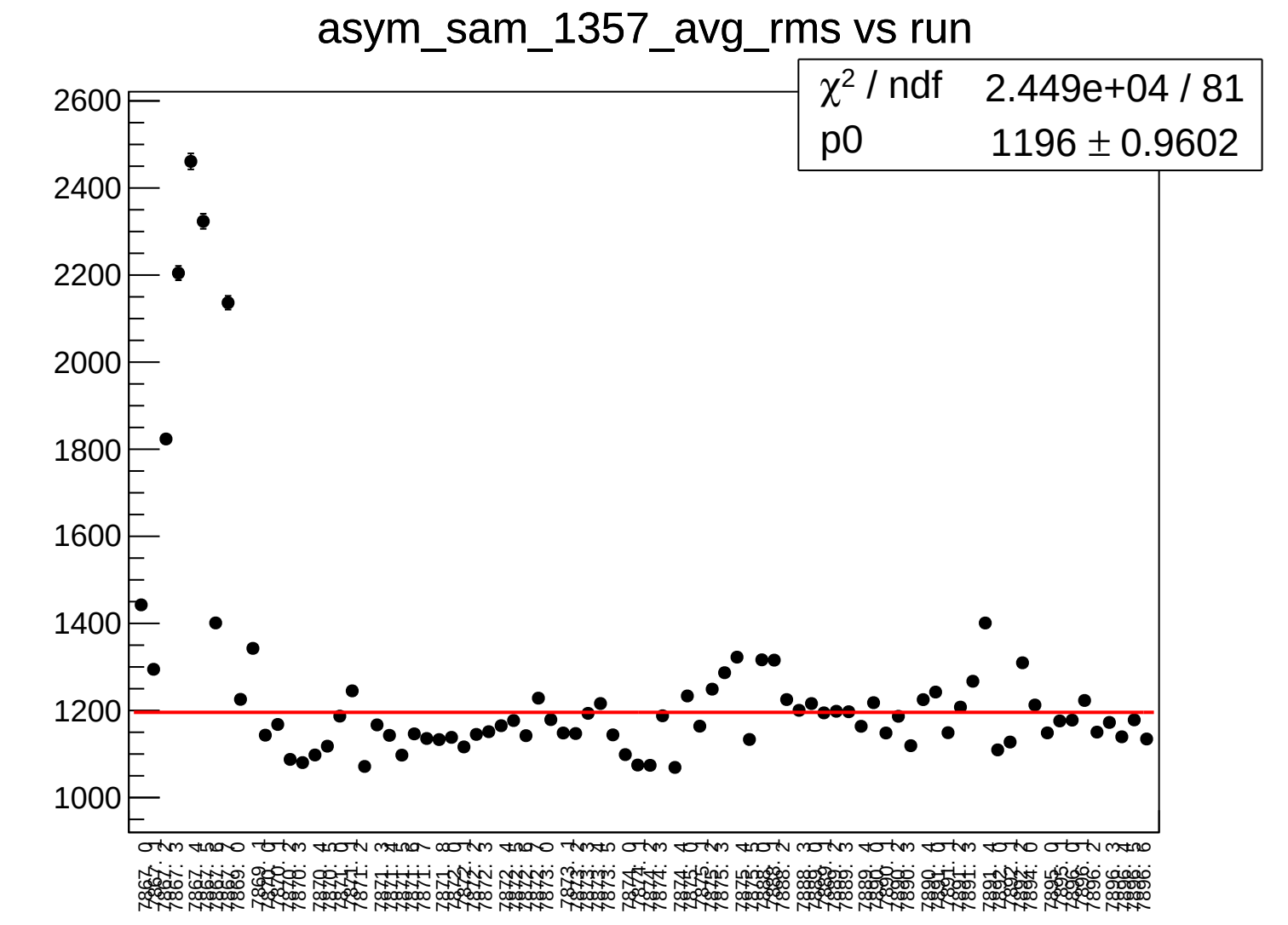

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 76.73 / 81
p0 −1041 ± 1353
pull
Entries 82
Mean −113
Std Dev 145

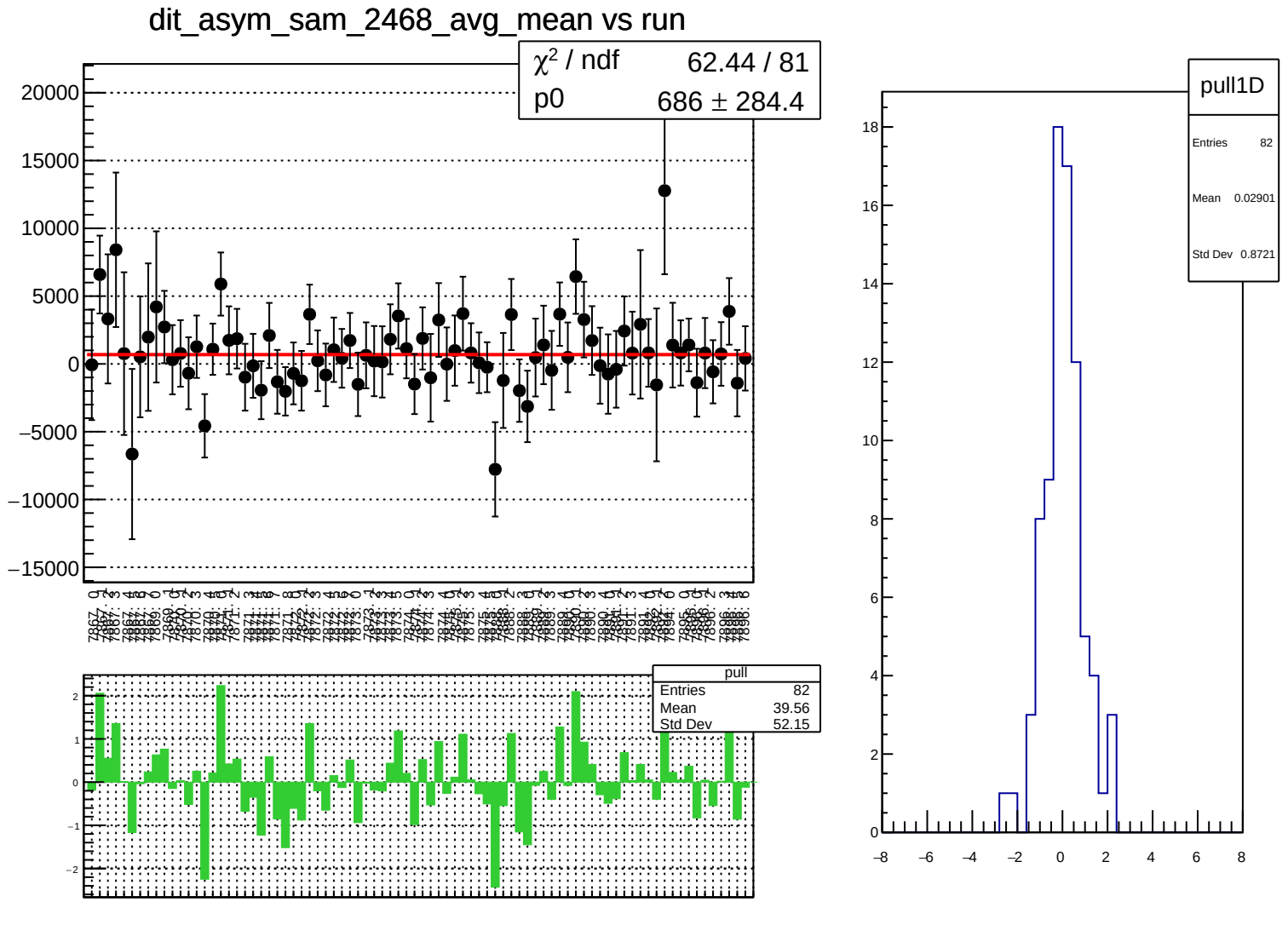

pull1D
Entries 82
Mean −0.01714
Std Dev 0.9672

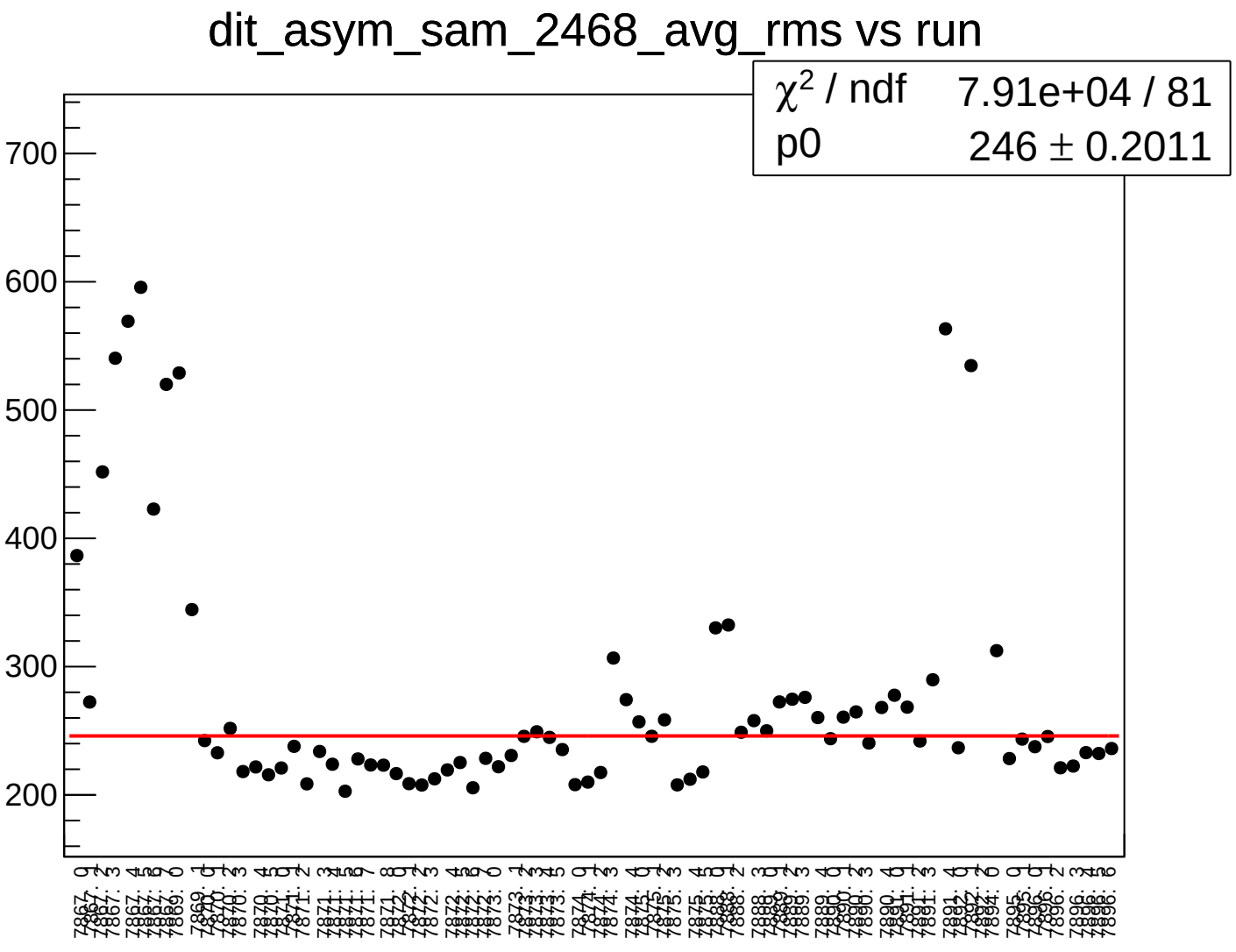

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2.418e+04 / 81
p0 1191 ± 0.9565
2400
2200
2000
1800
1600
1400
1200
1000

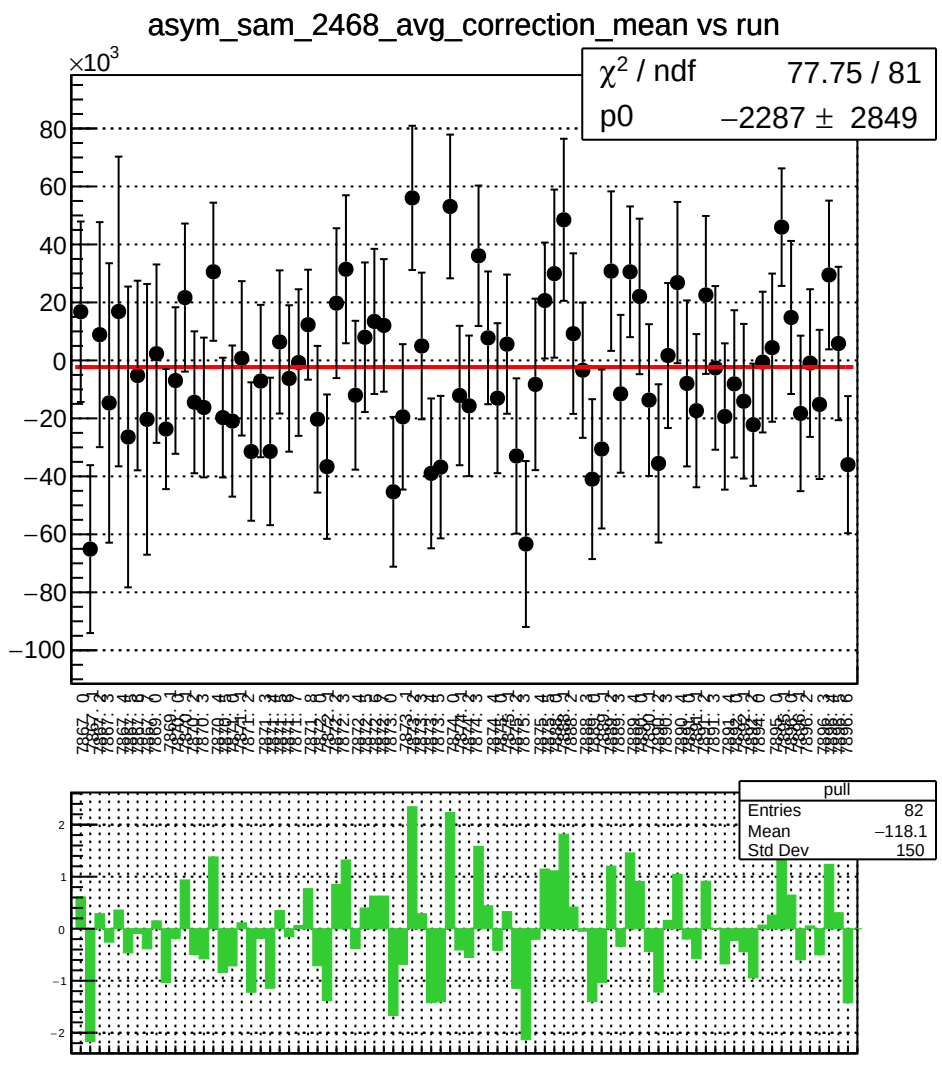

asym_sam_1357_avg_mean vs run
χ² / ndf 79.78 / 81
p0 1519 ± 1358
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −91.42
Std Dev 121.5
2
1
0
−1
−2

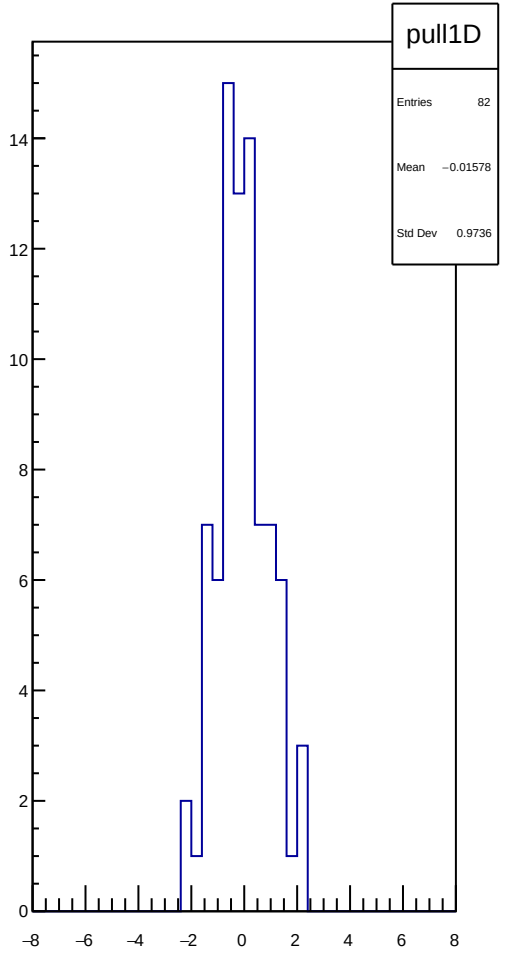

pull1D
Entries 82
Mean 0.01907
Std Dev 0.9862
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

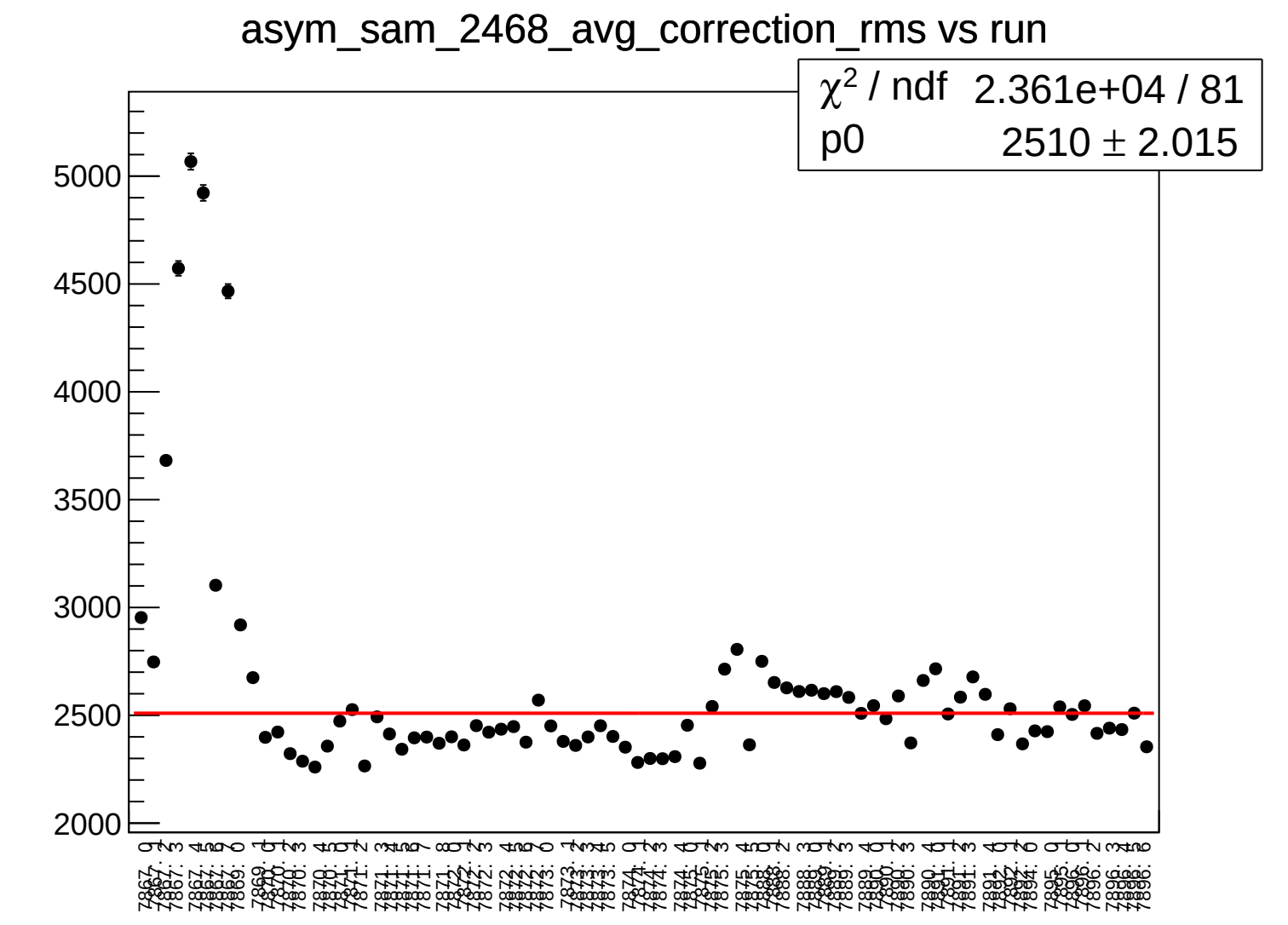

asym_sam_1357_avg_rms vs run
χ² / ndf 2.449e+04 / 81
p0 1196 ± 0.9602
2600
2400
2200
2000
1800
1600
1400
1200
1000

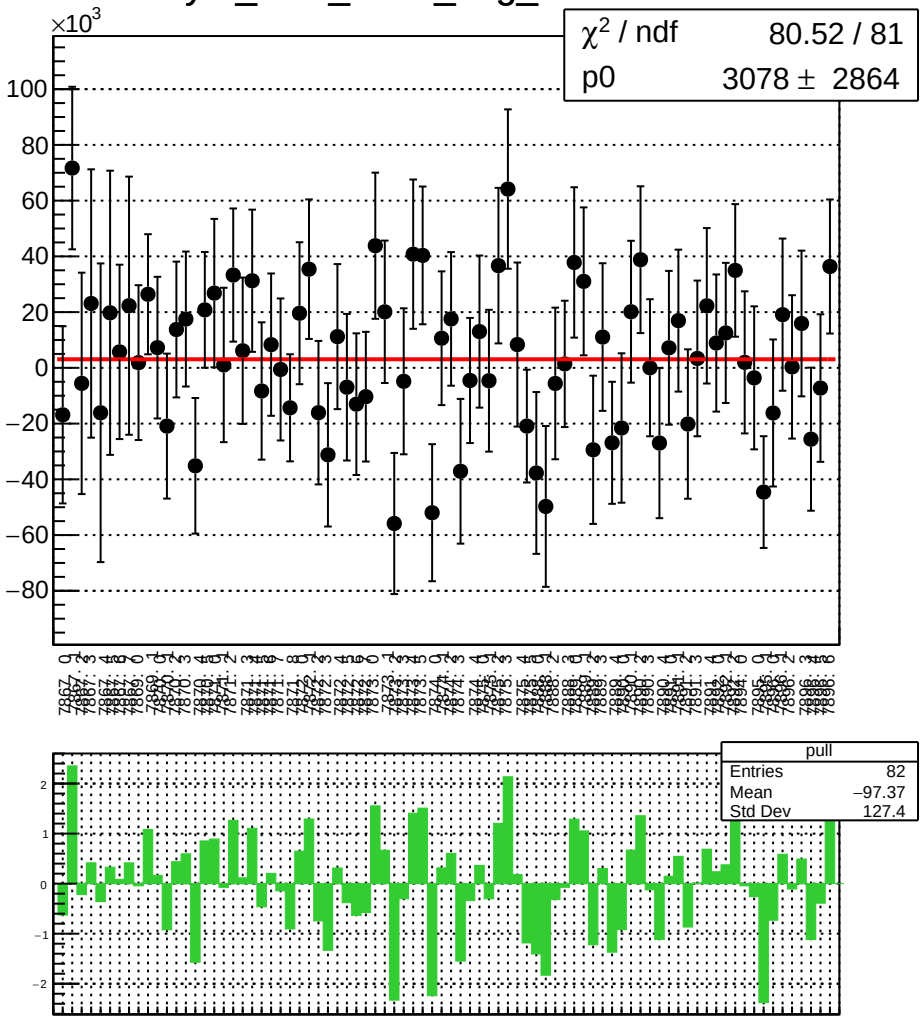

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 62.44 / 81
p0 686 ± 284.4
pull
Entries 82
Mean 39.56
Std Dev 52.15
pull1D
Entries 82
Mean 0.02901
Std Dev 0.8721

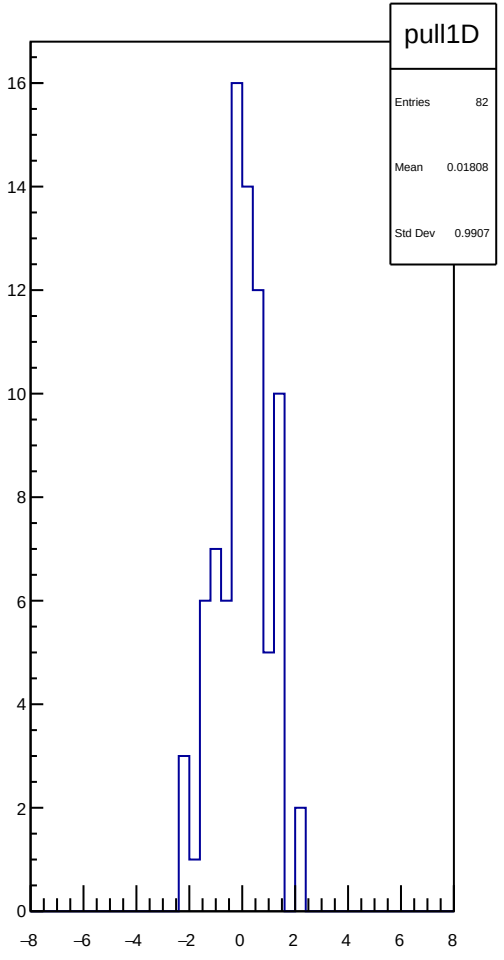

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 7.91e+04 / 81
p0 246 ± 0.2011
700
600
500
400
300
200

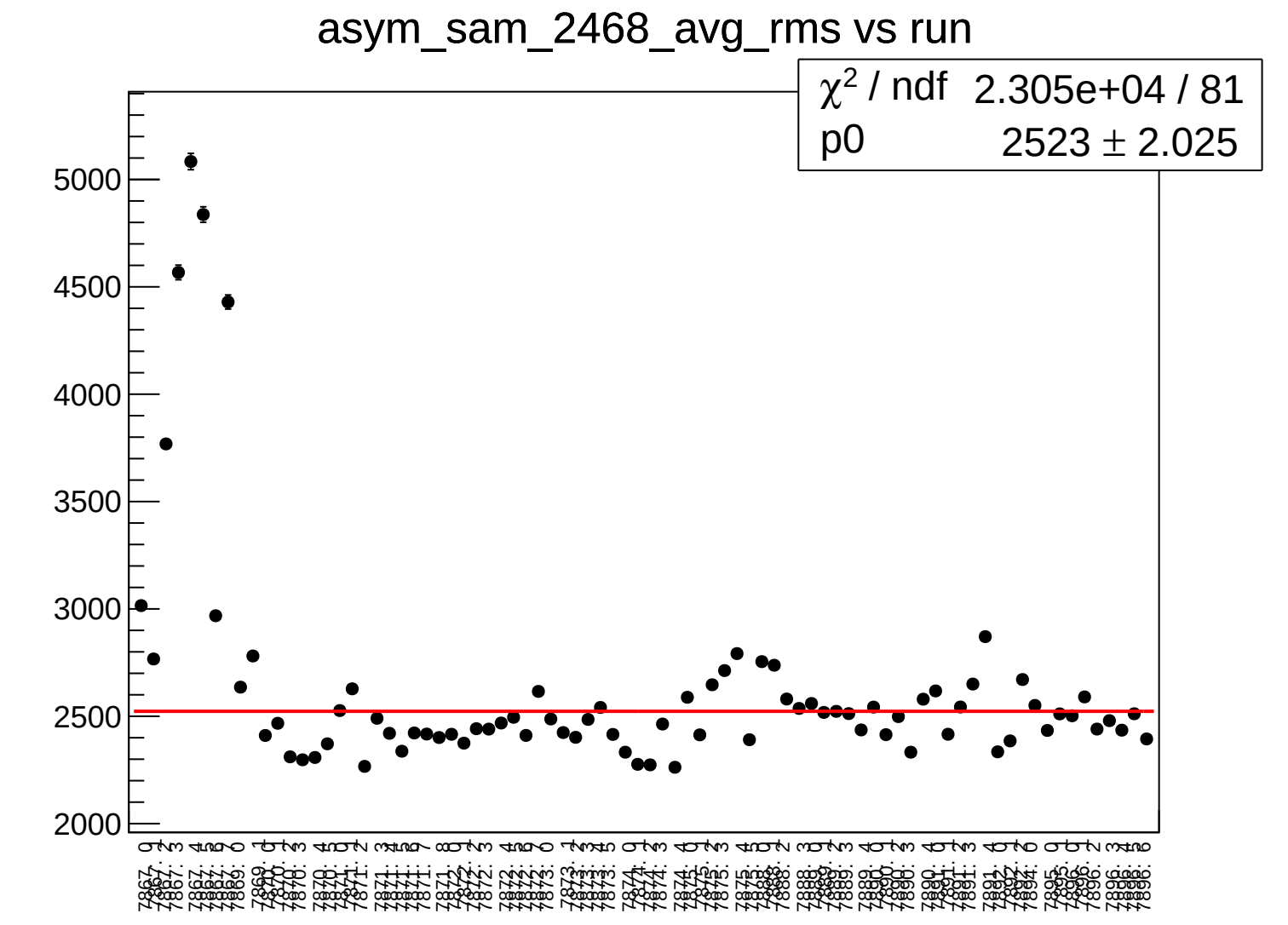

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 77.75 / 81
p0 −2287 ± 2849
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 82
Mean −118.1
Std Dev 150
2
1
0
−1
−2

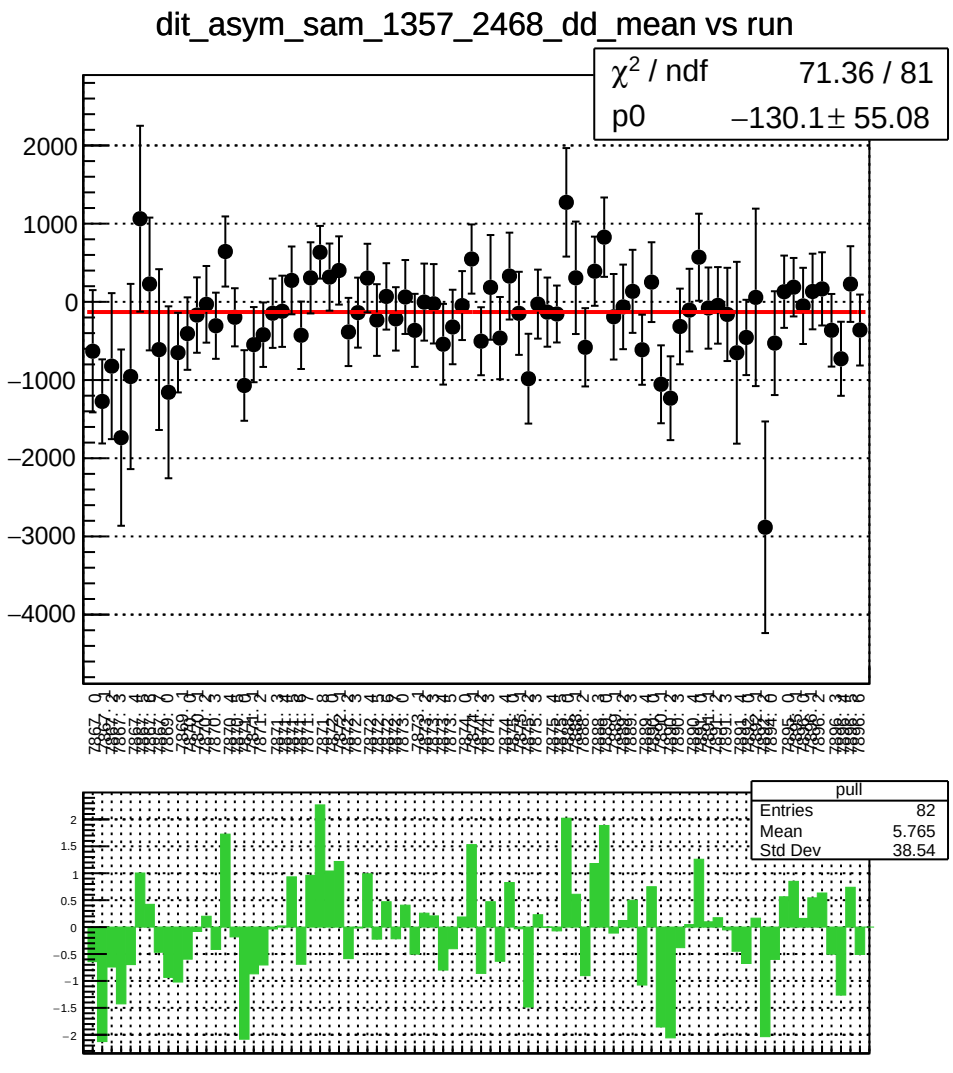

pull1D
Entries 82
Mean −0.01578
Std Dev 0.9736
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

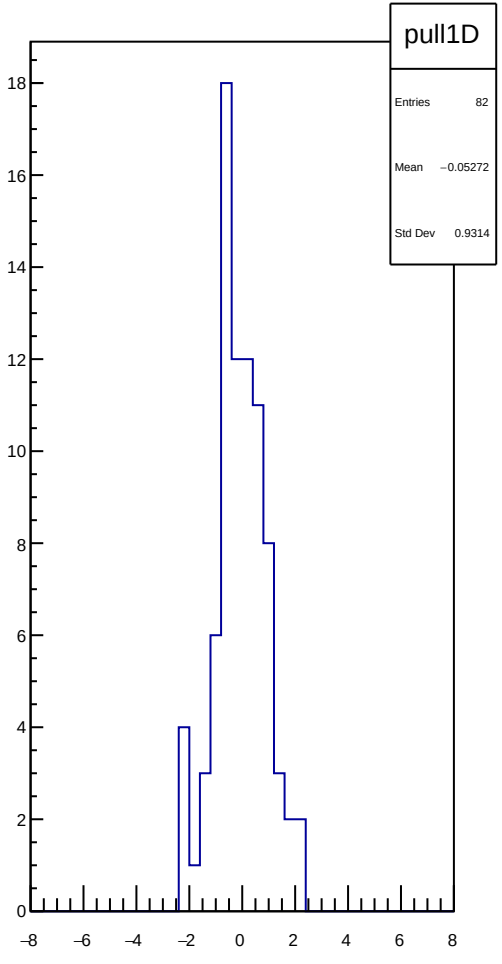

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2.361e+04 / 81
p0 2510 ± 2.015
5000
4500
4000
3500
3000
2500
2000

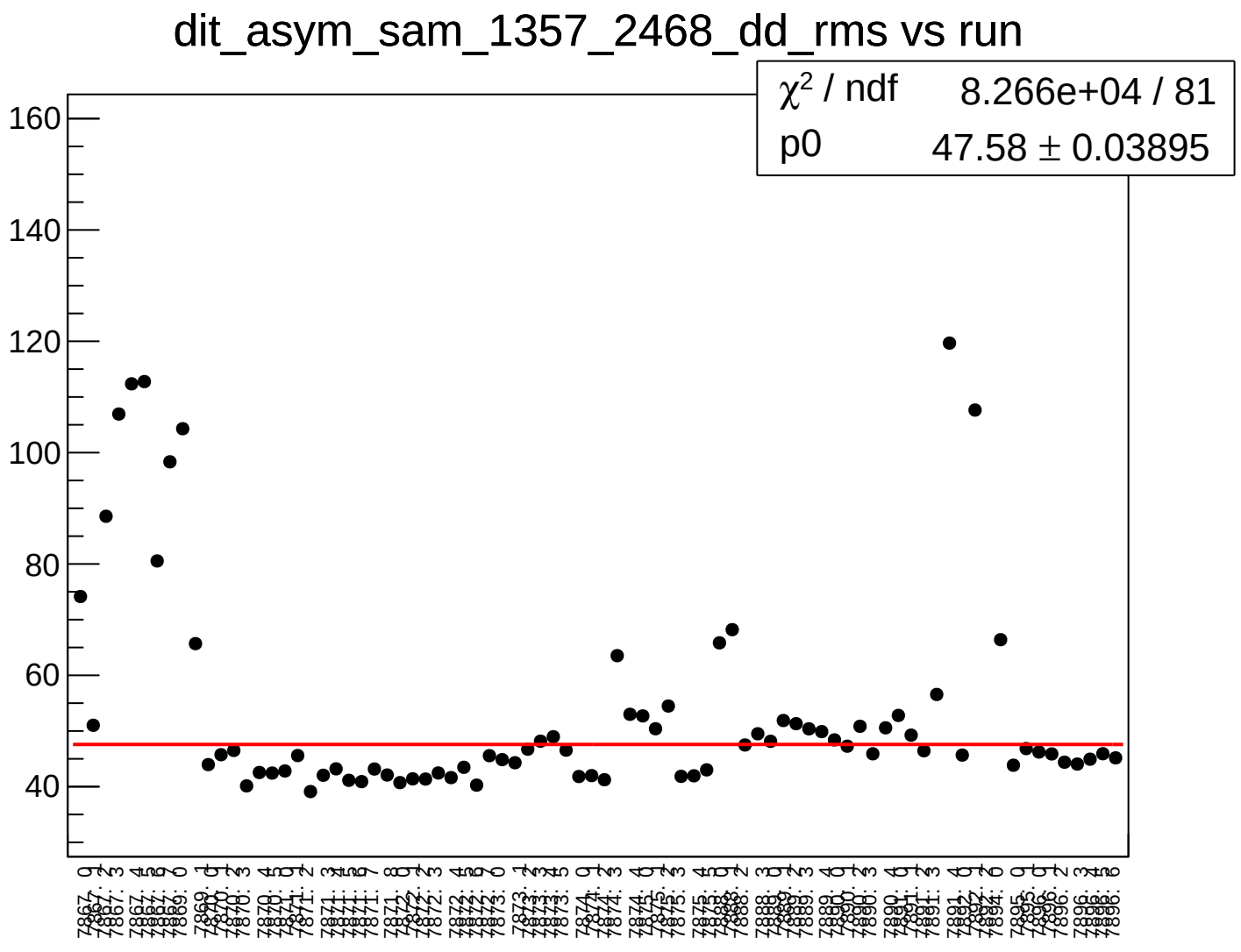

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 80.52 / 81
p0 3078 ± 2864
pull
Entries 82
Mean −97.37
Std Dev 127.4

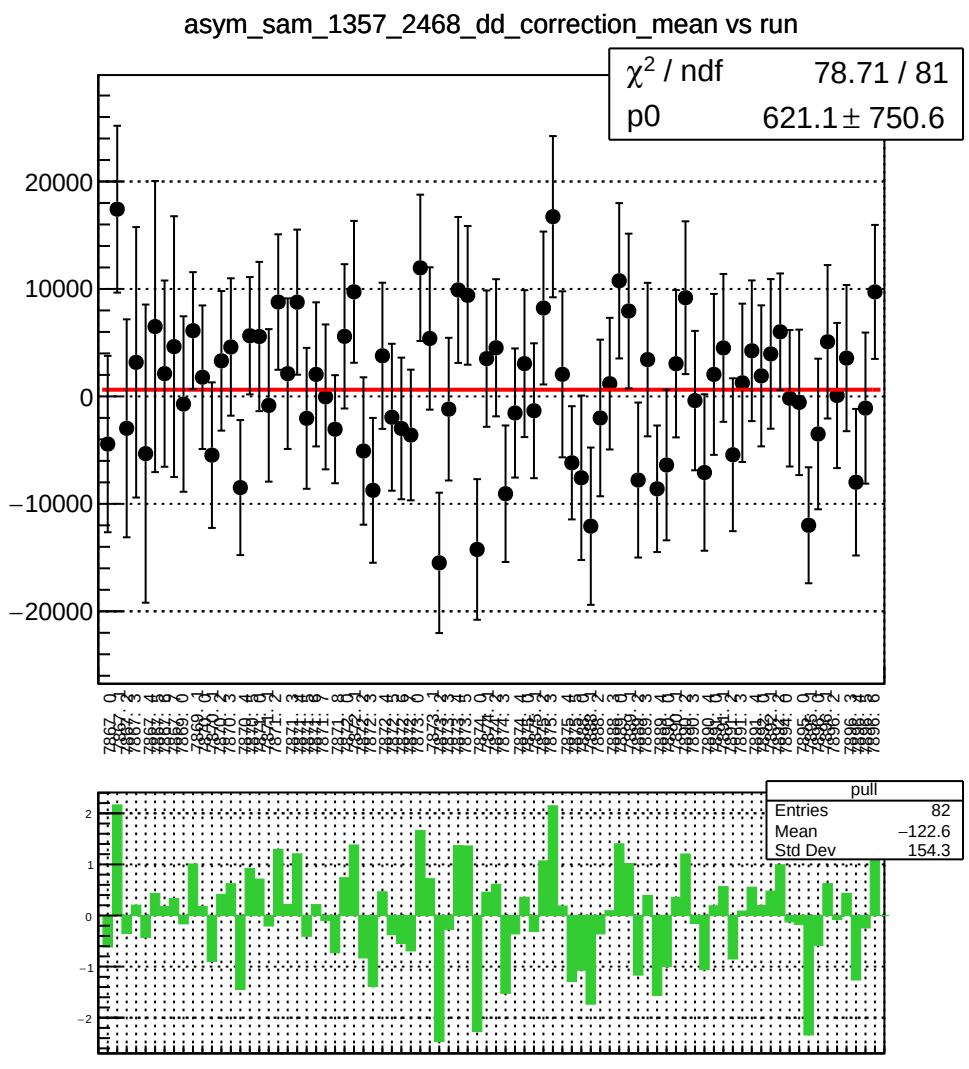

pull1D
Entries 82
Mean 0.01808
Std Dev 0.9907

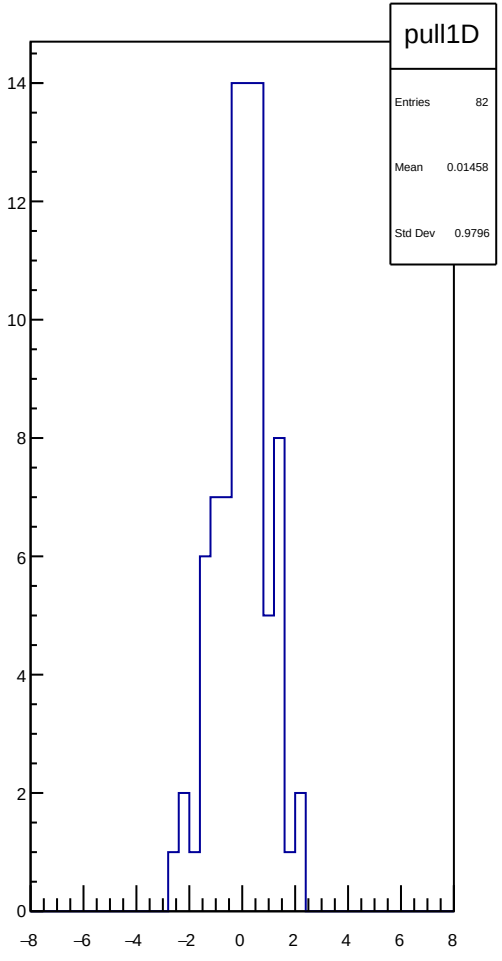

asym_sam_2468_avg_rms vs run
χ^2 / ndf 2.305e+04 / 81
p0 2523 ± 2.025
5000
4500
4000
3500
3000
2500
2000

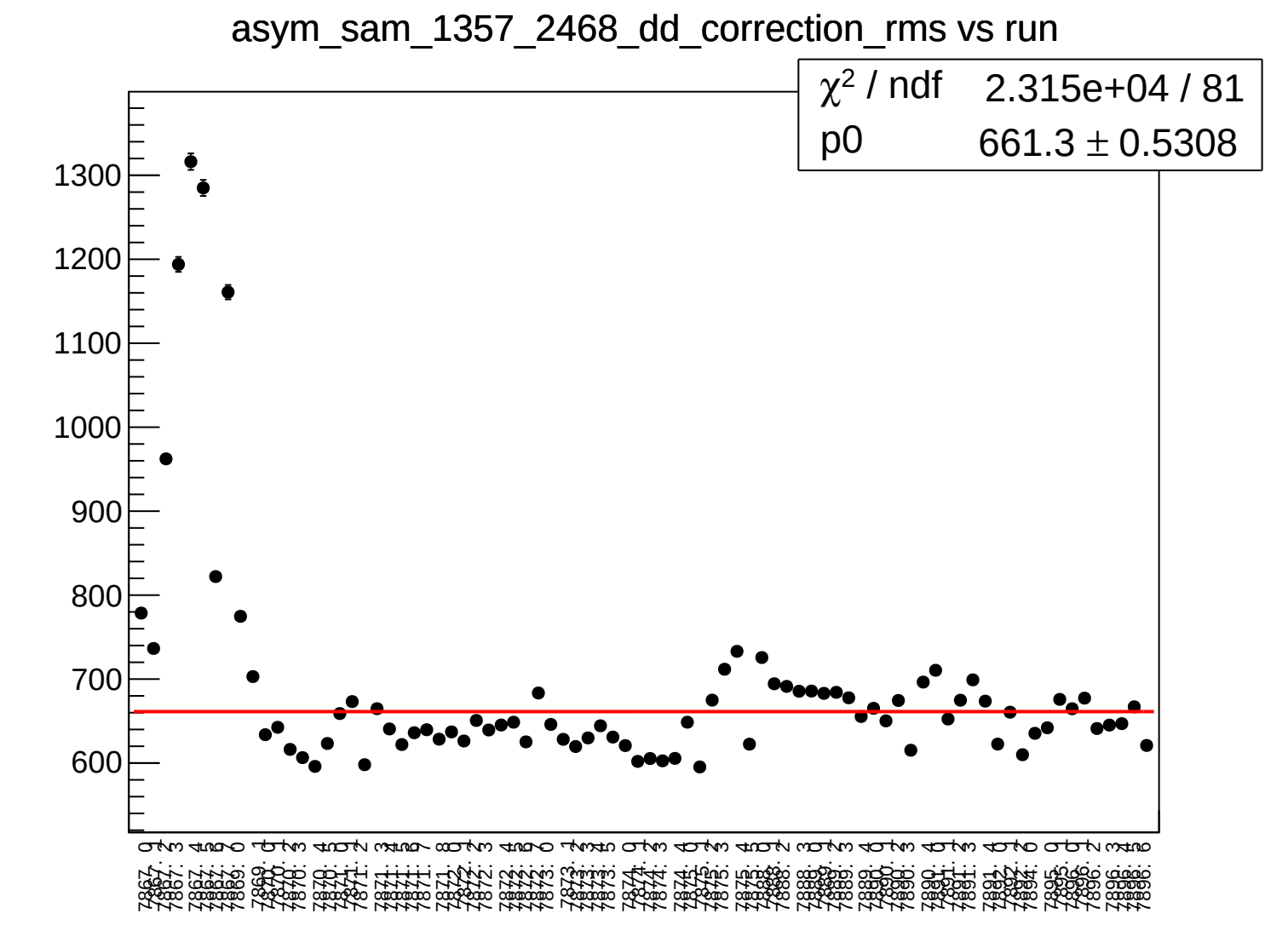

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 71.36 / 81
p0 −130.1± 55.08
pull
Entries 82
Mean 5.765
Std Dev 38.54

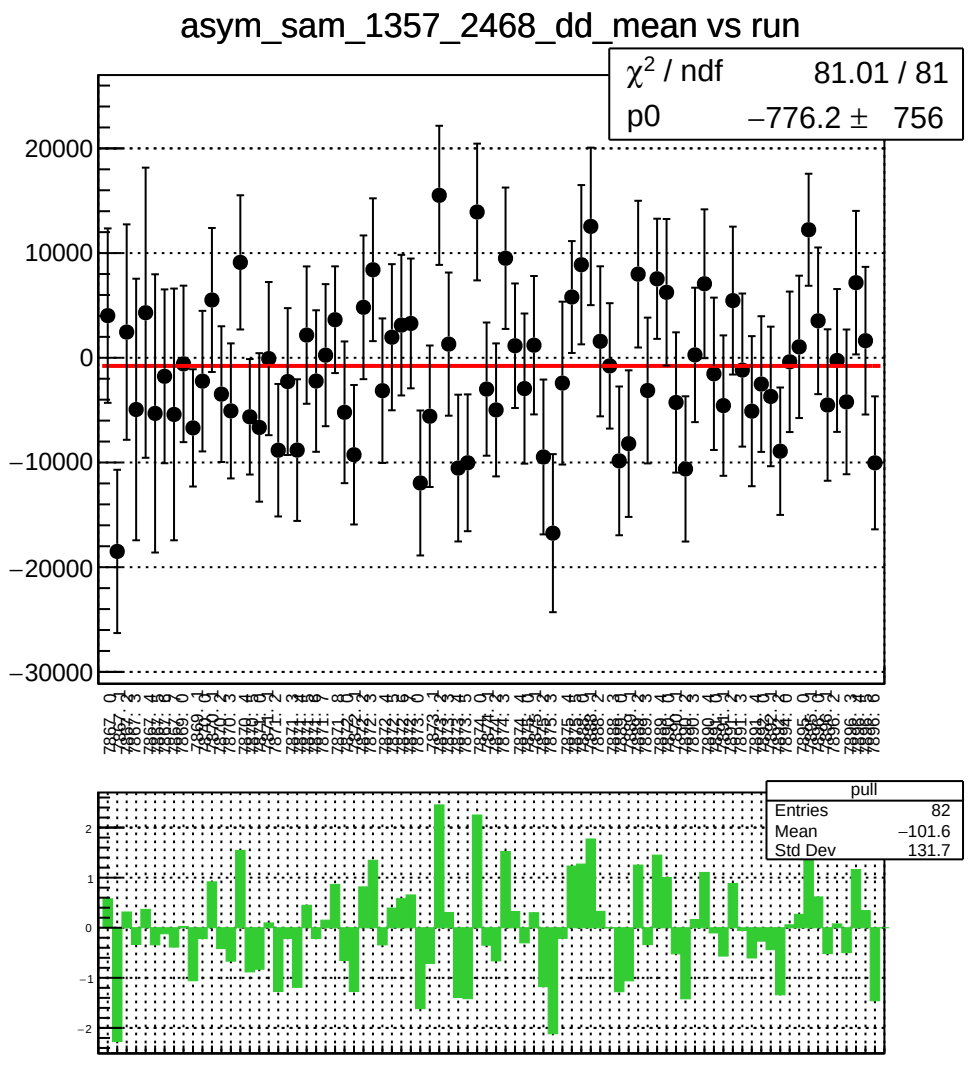

pull1D
Entries 82
Mean −0.05272
Std Dev 0.9314

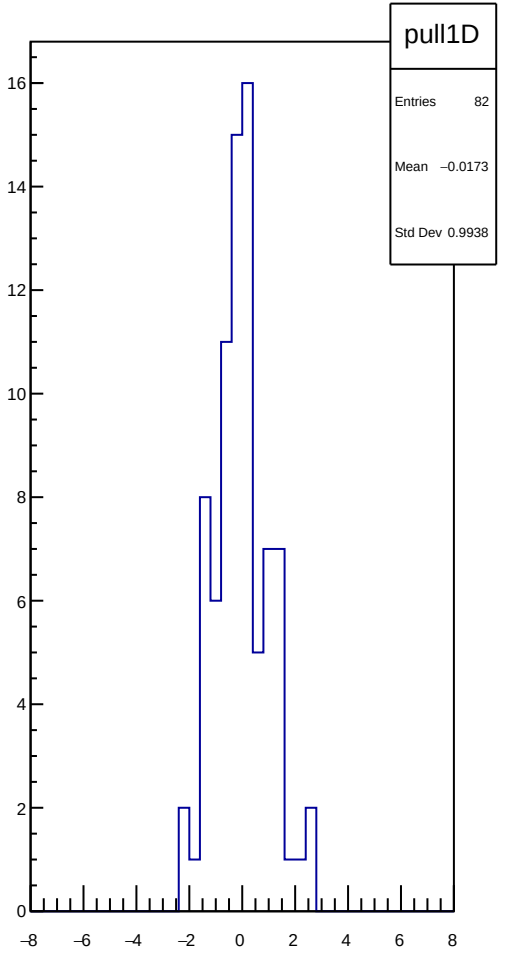

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8.266e+04 / 81
p0 47.58 ± 0.03895
160
140
120
100
80
60
40

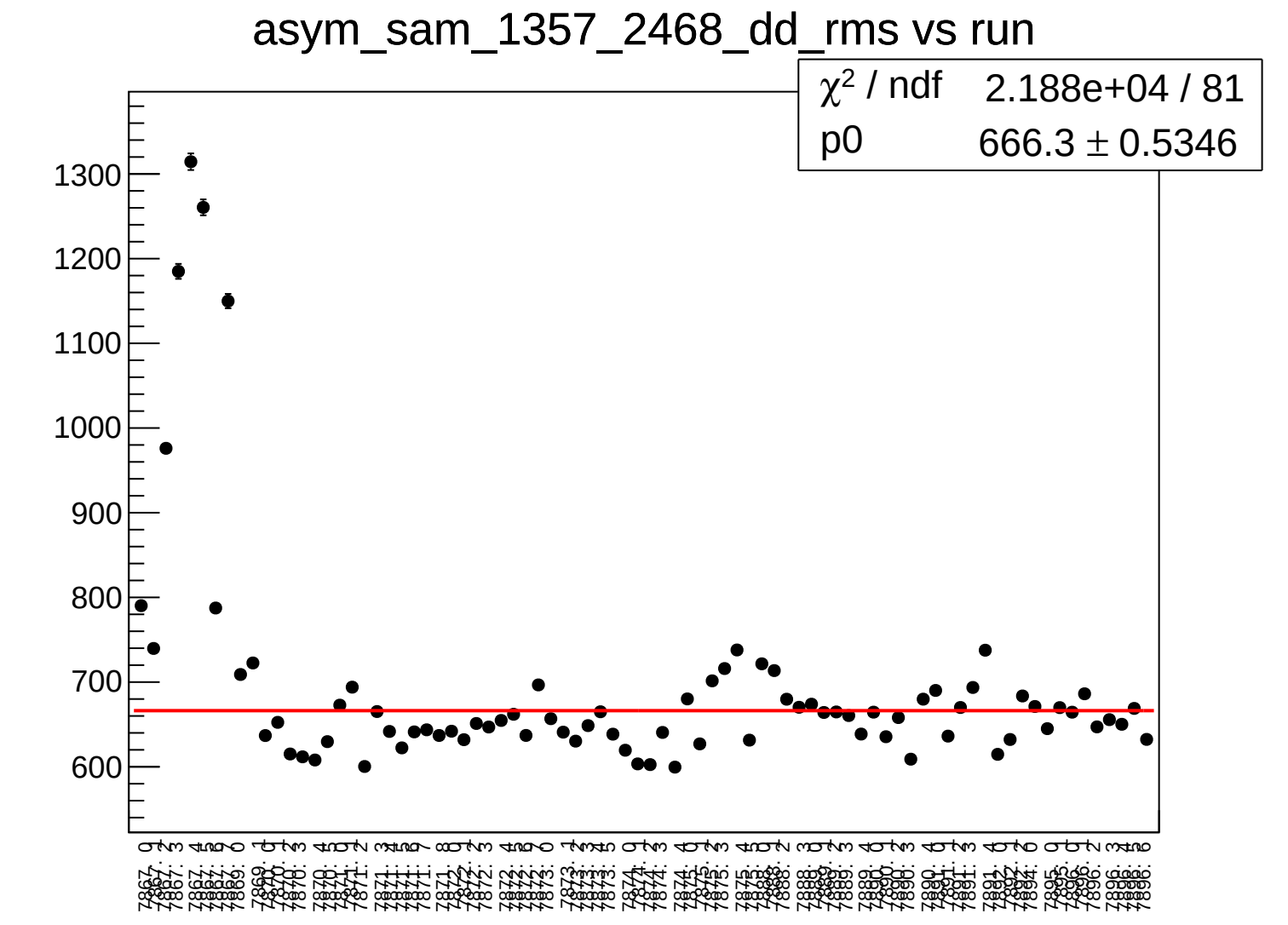

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 78.71 / 81
p0 621.1 ± 750.6
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −122.6
Std Dev 154.3
2
1
0
−1
−2

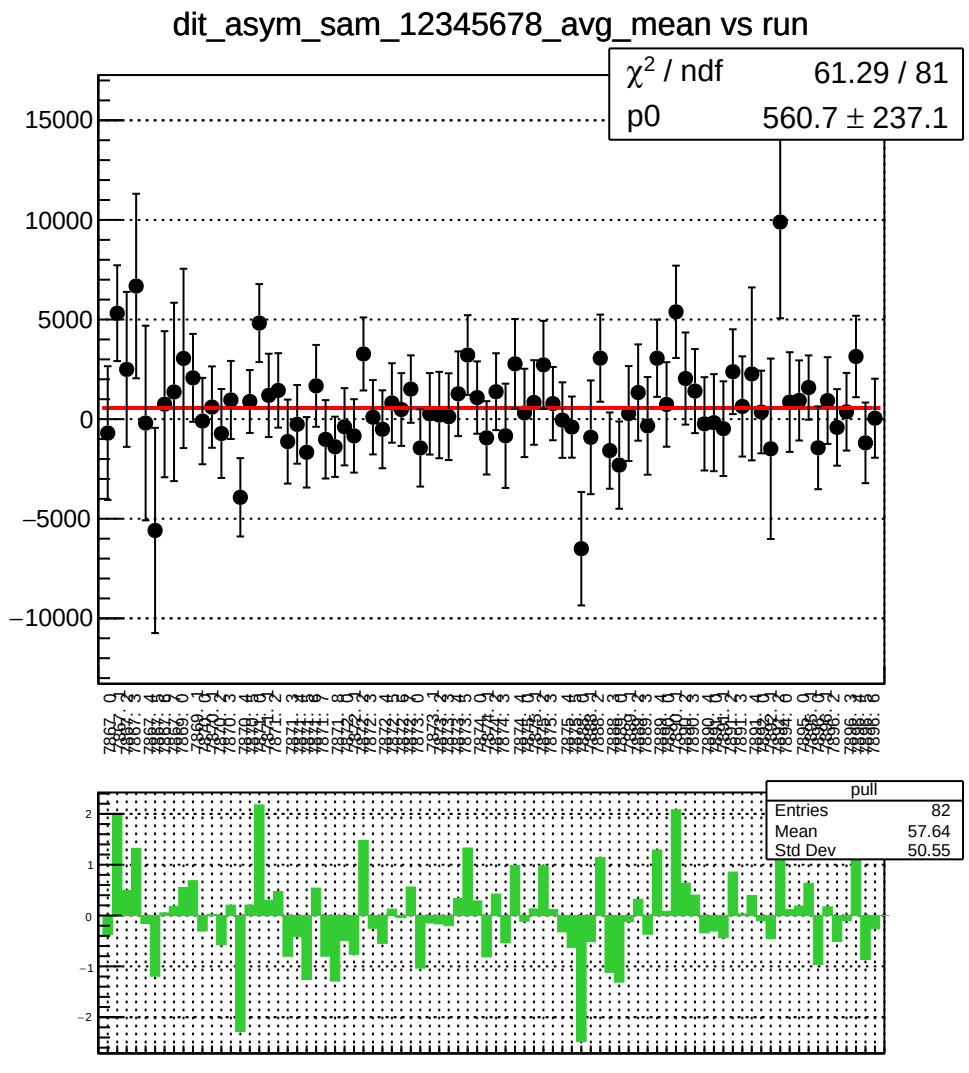

pull1D
Entries 82
Mean 0.01458
Std Dev 0.9796
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

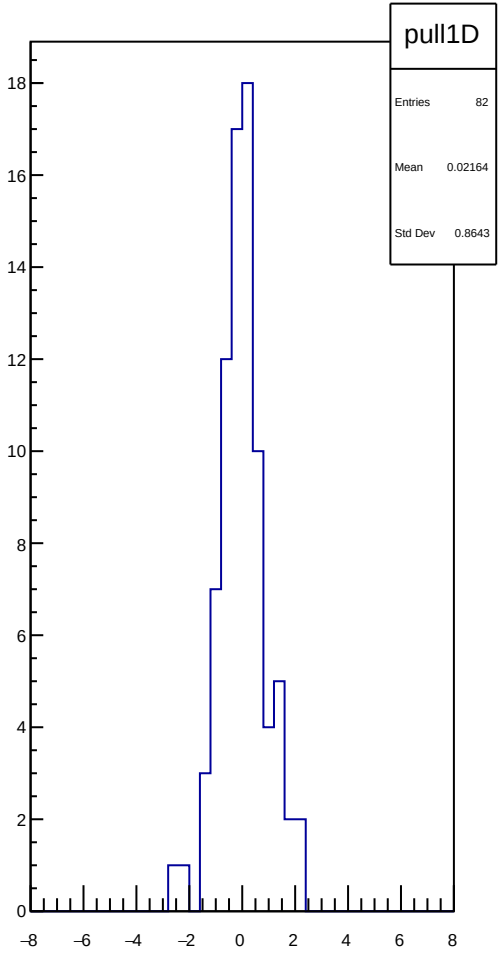

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.315e+04 / 81
p0 661.3 ± 0.5308
1300
1200
1100
1000
900
800
700
600

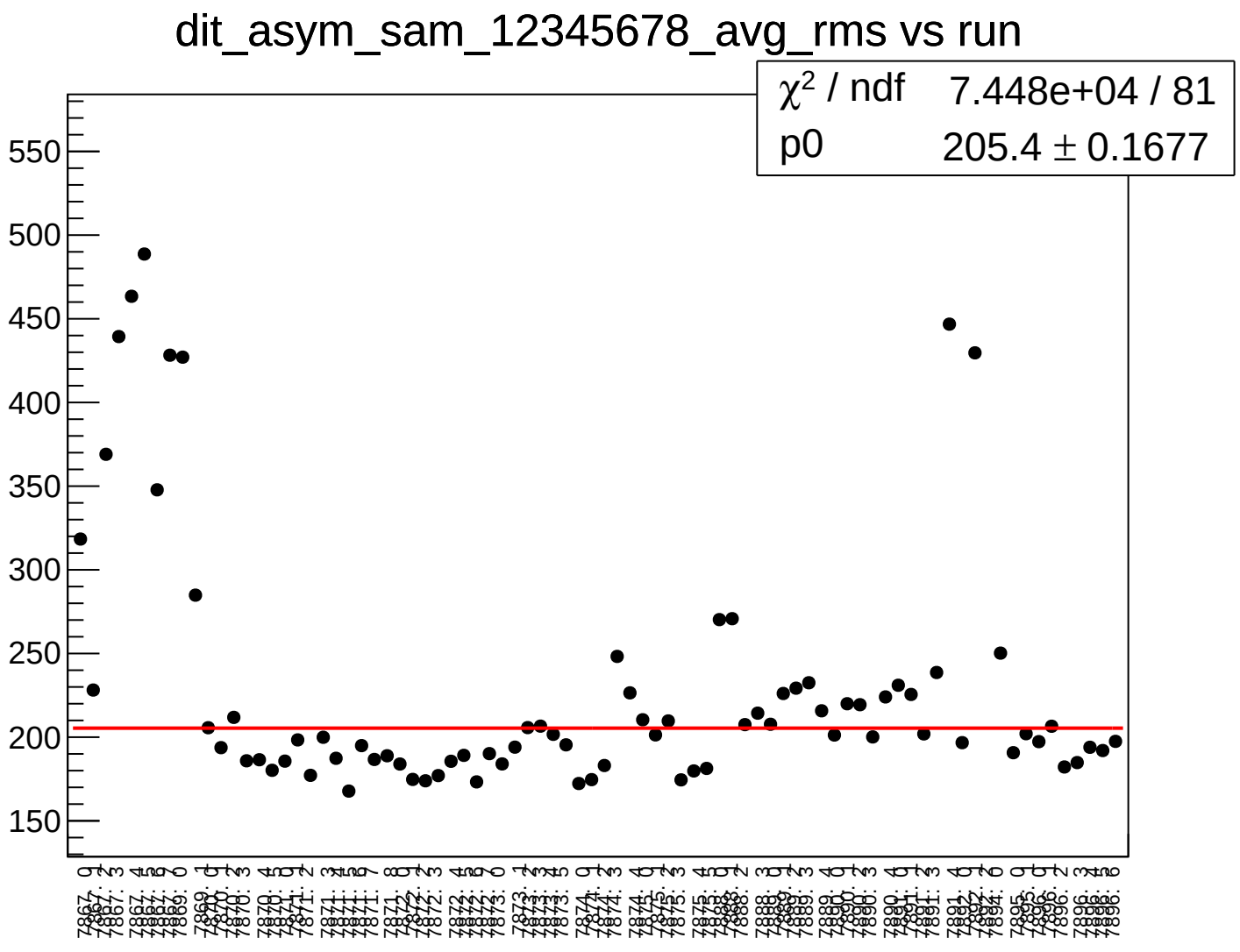

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 81.01 / 81
p0 −776.2 ± 756
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −101.6
Std Dev 131.7
2
1
0
−1
−2

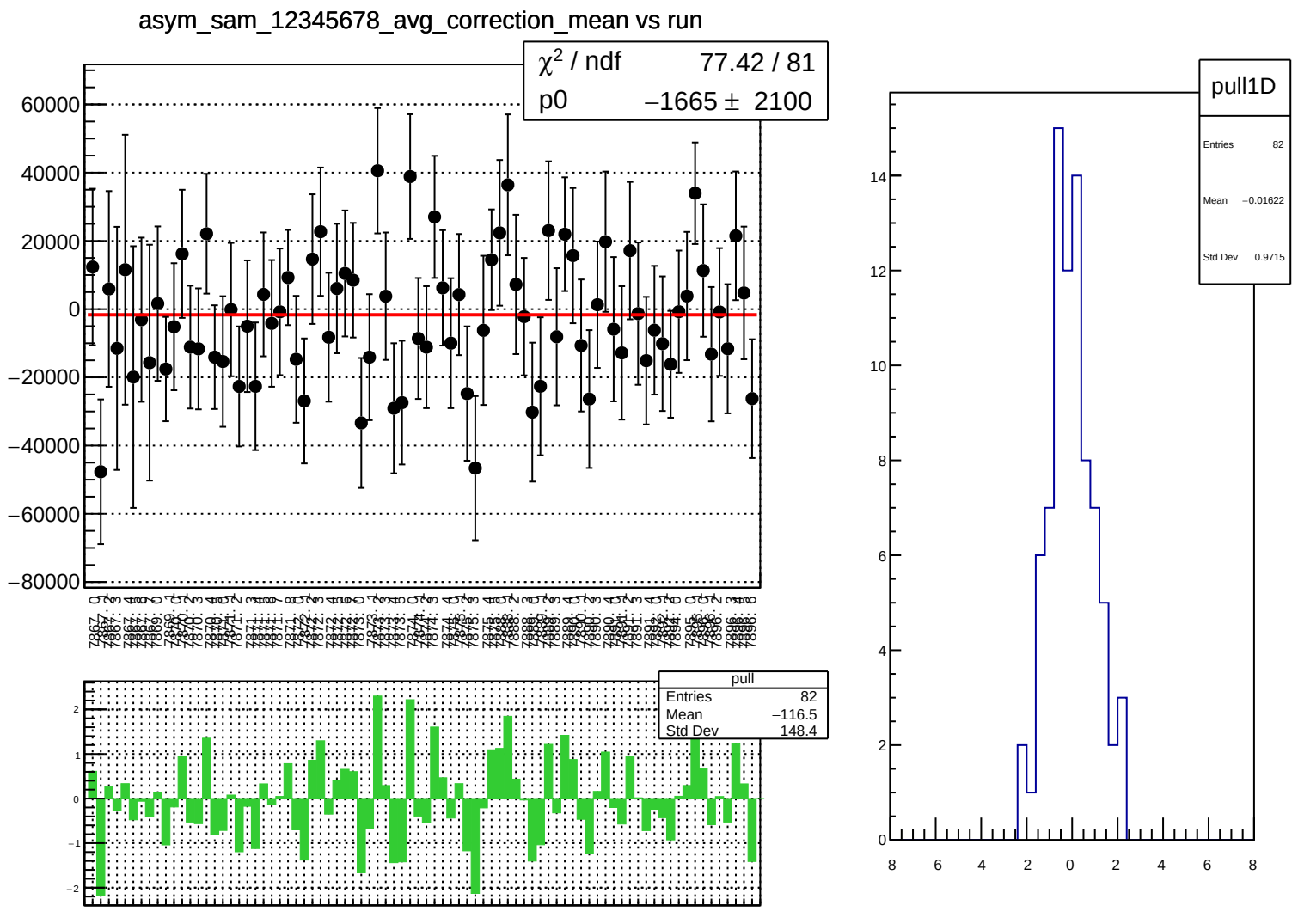

pull1D
Entries 82
Mean −0.0173
Std Dev 0.9938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

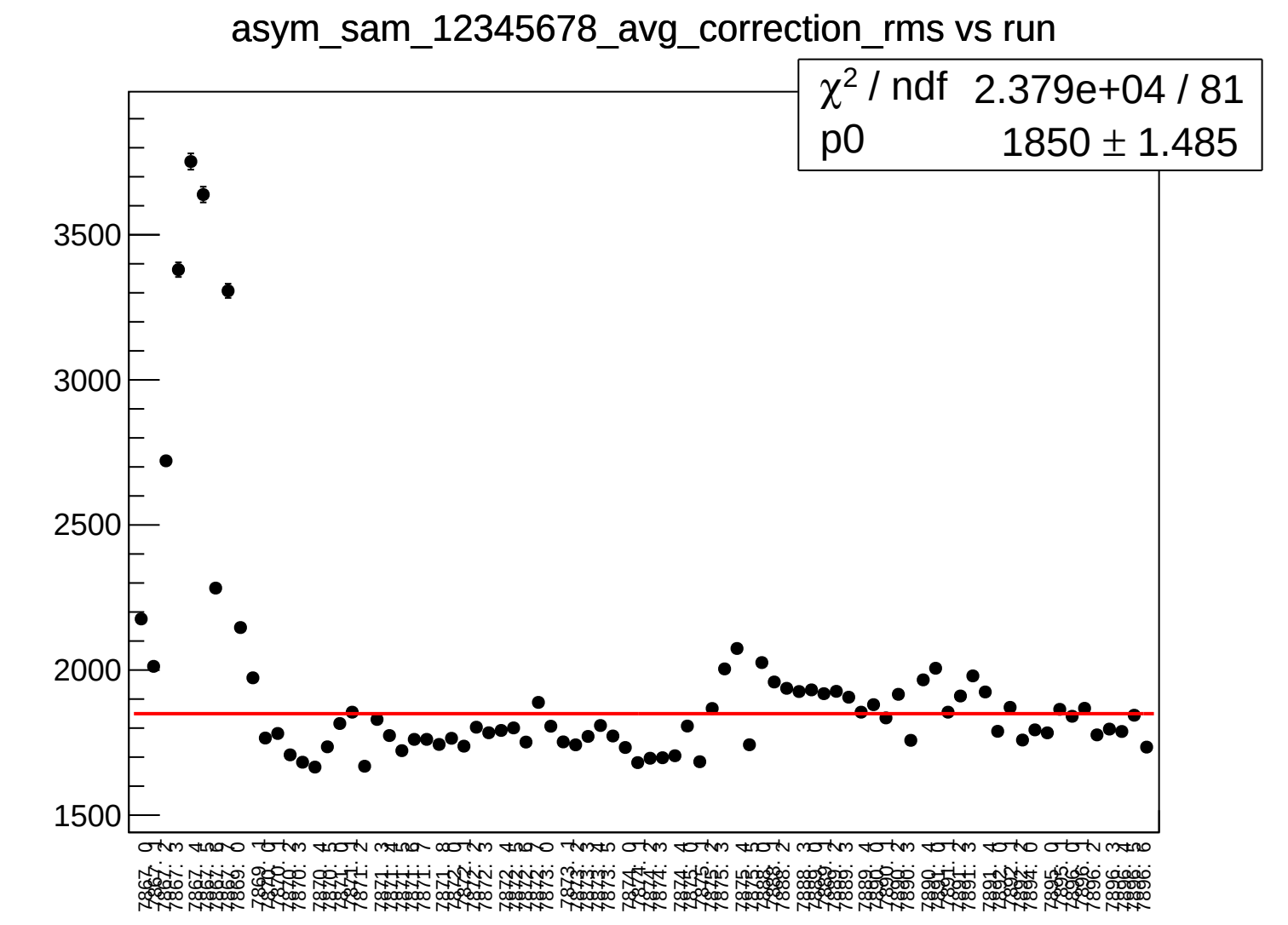

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.188e+04 / 81
p0 666.3 ± 0.5346
1300
1200
1100
1000
900
800
700
600

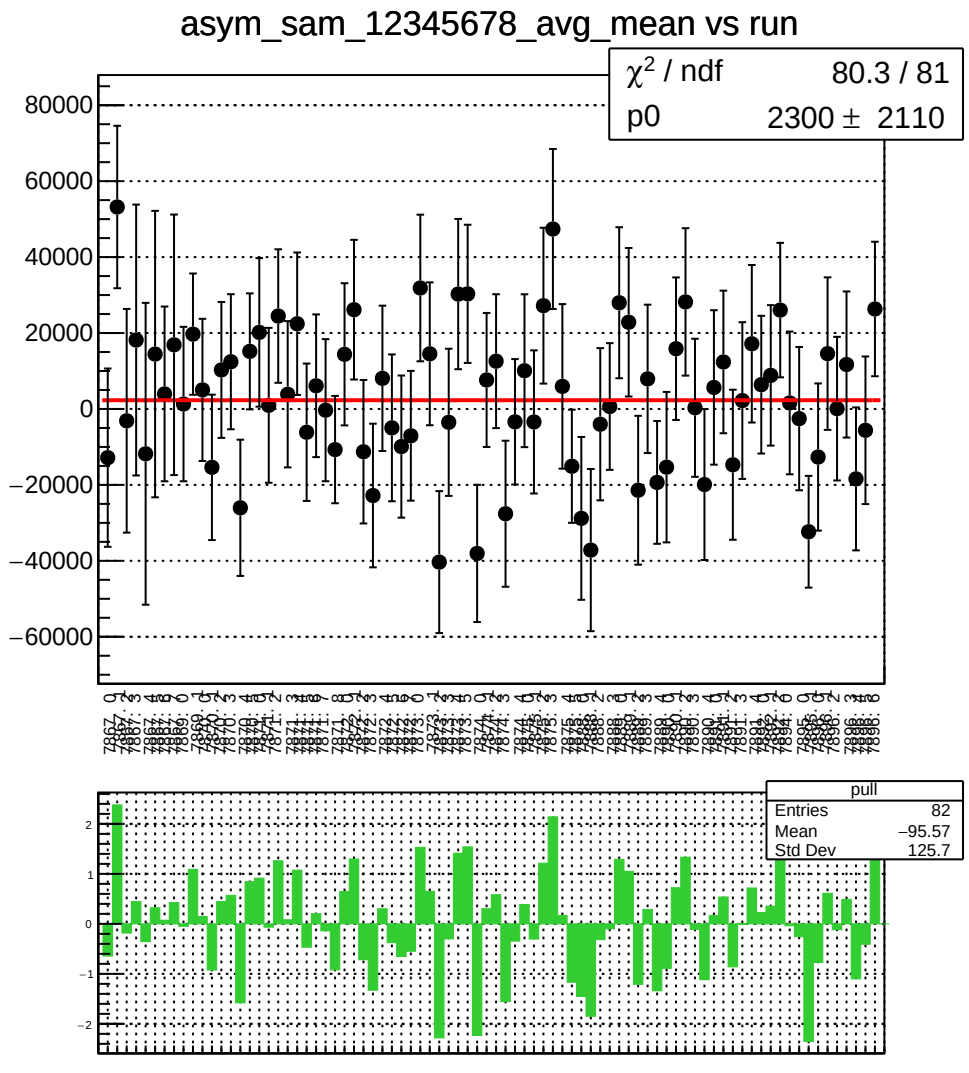

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 61.29 / 81
p0 560.7 ± 237.1
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 57.64
Std Dev 50.55
2
1
0
−1
−2

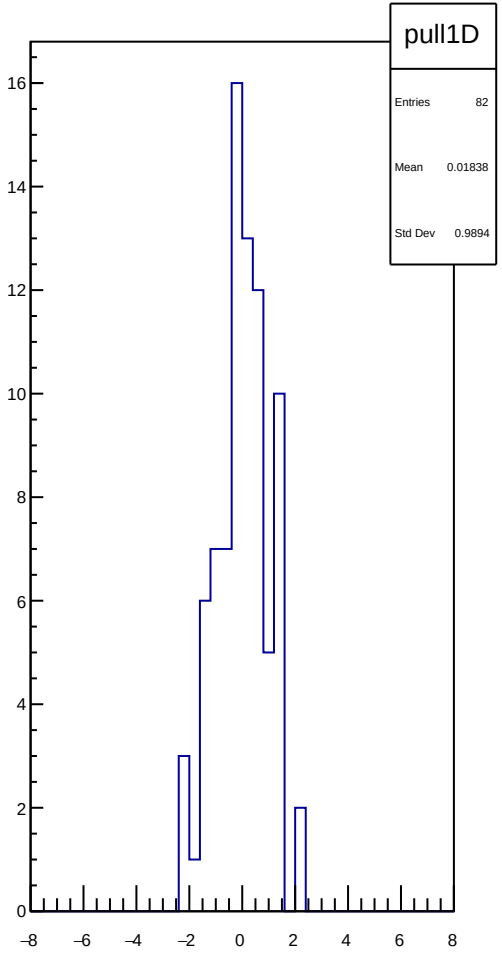

pull1D
Entries 82
Mean 0.02164
Std Dev 0.8643
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

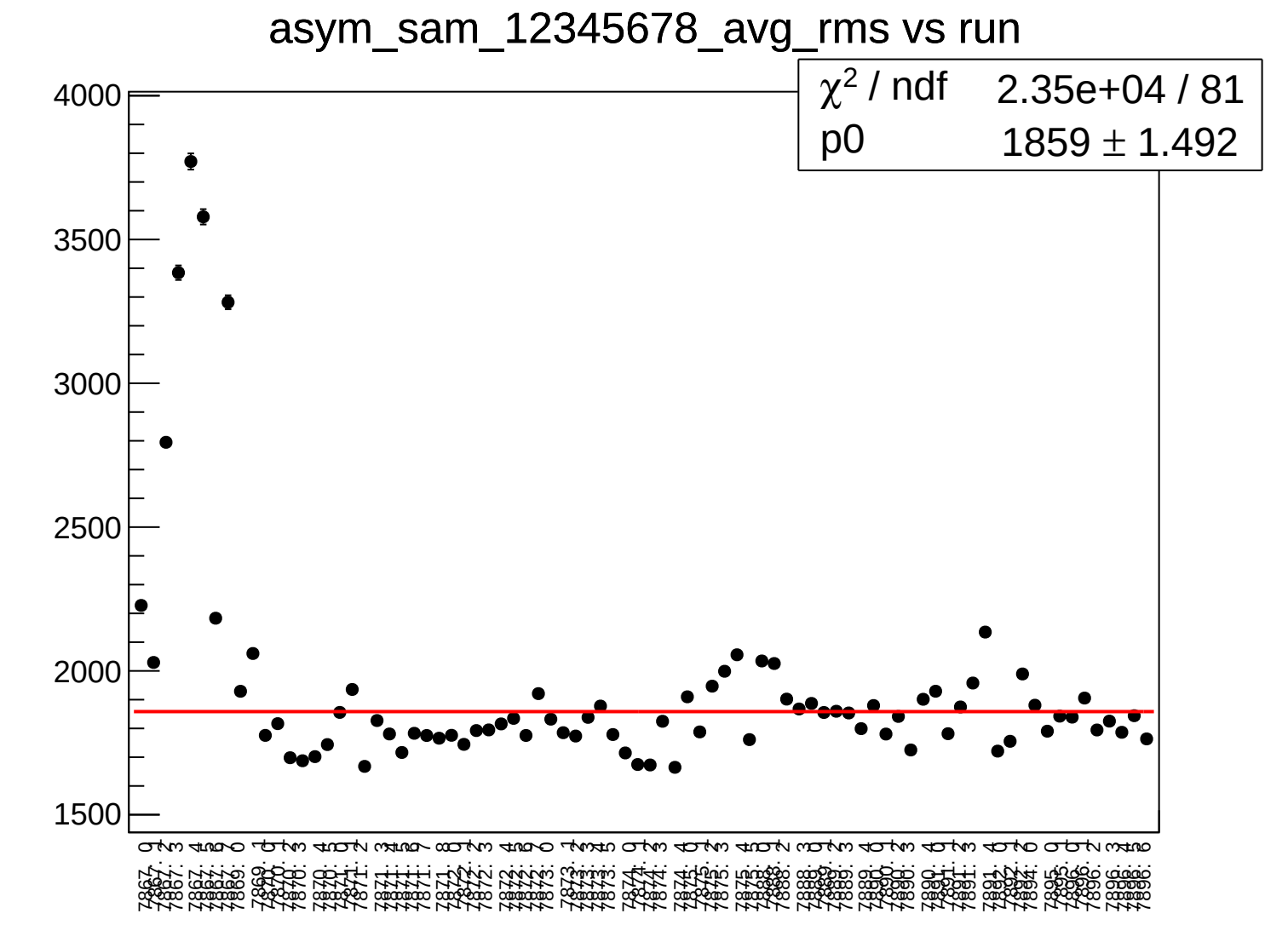

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 7.448e+04 / 81
p0 205.4 ± 0.1677
550
500
450
400
350
300
250
200
150

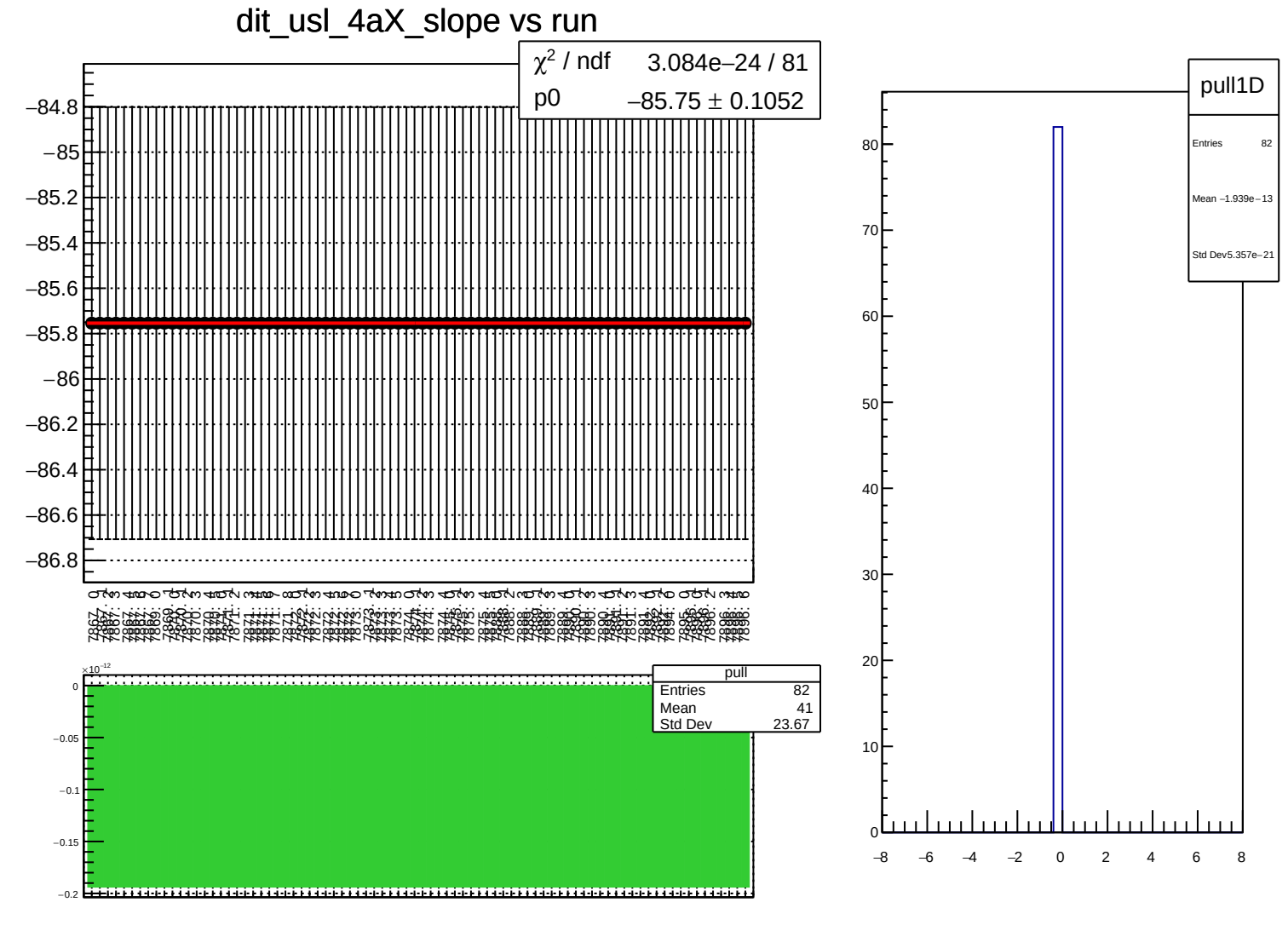

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 77.42 / 81
p0 −1665 ± 2100
pull
Entries 82
Mean −116.5
Std Dev 148.4
pull1D
Entries 82
Mean −0.01622
Std Dev 0.9715

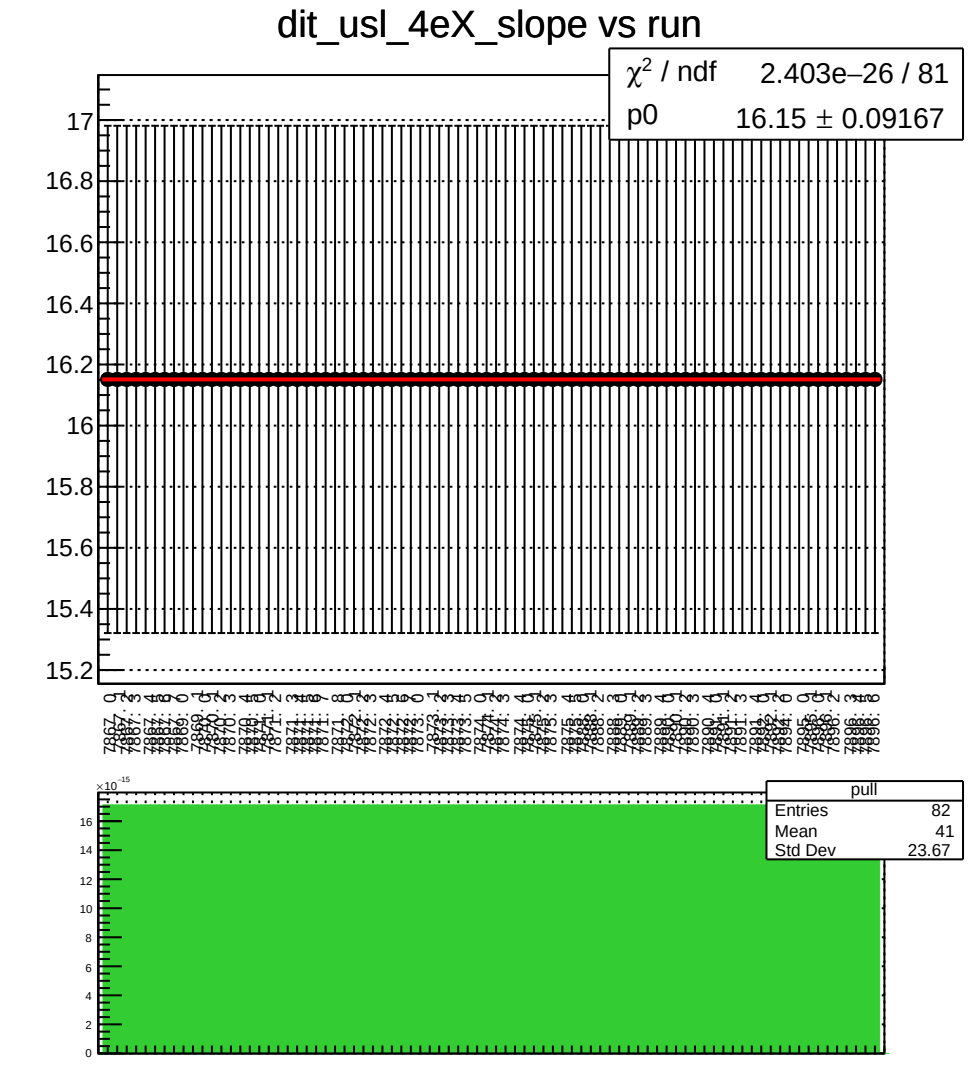

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2.379e+04 / 81
p0 1850 ± 1.485
3500
3000
2500
2000
1500

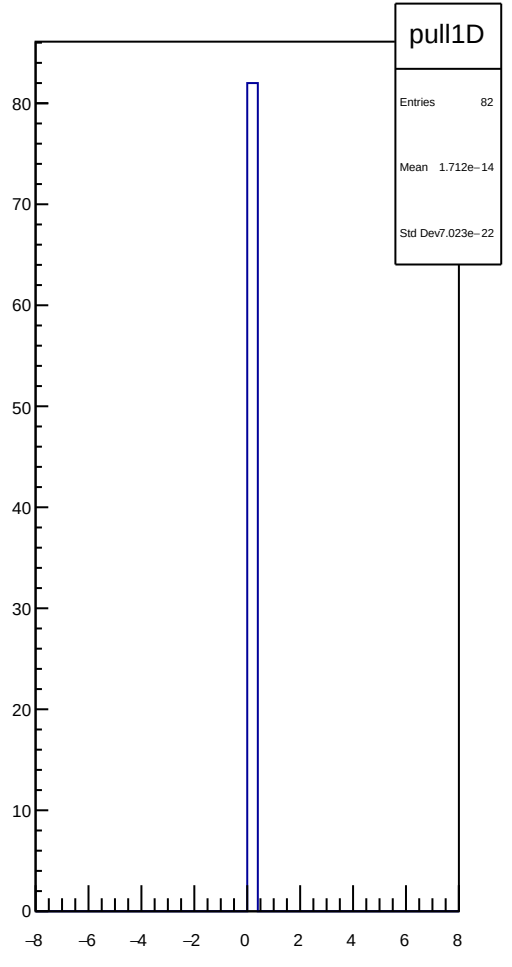

asym_sam_12345678_avg_mean vs run
χ² / ndf 80.3 / 81
p0 2300 ± 2110
pull
Entries 82
Mean −95.57
Std Dev 125.7

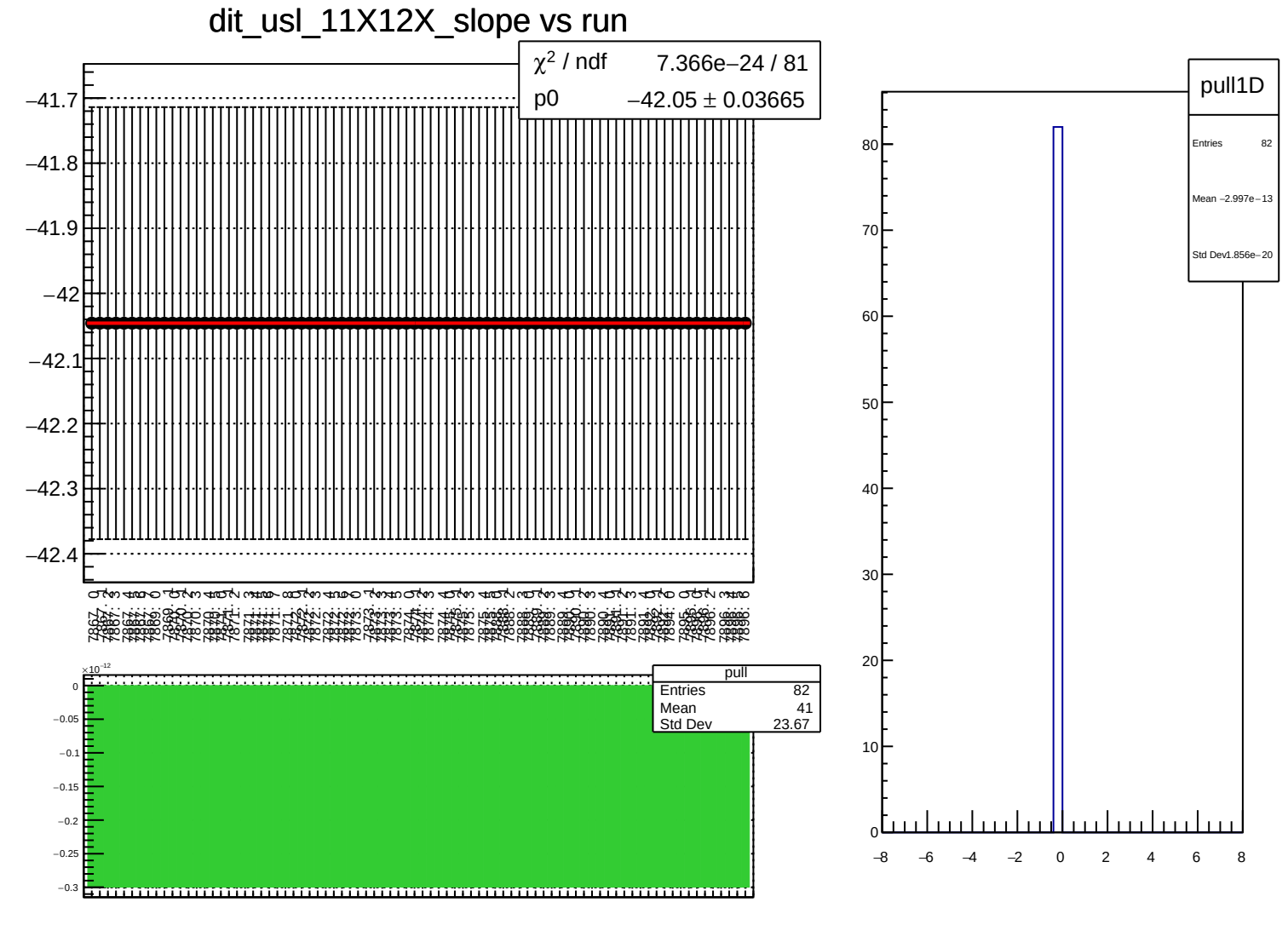

pull1D
Entries 82
Mean 0.01838
Std Dev 0.9894

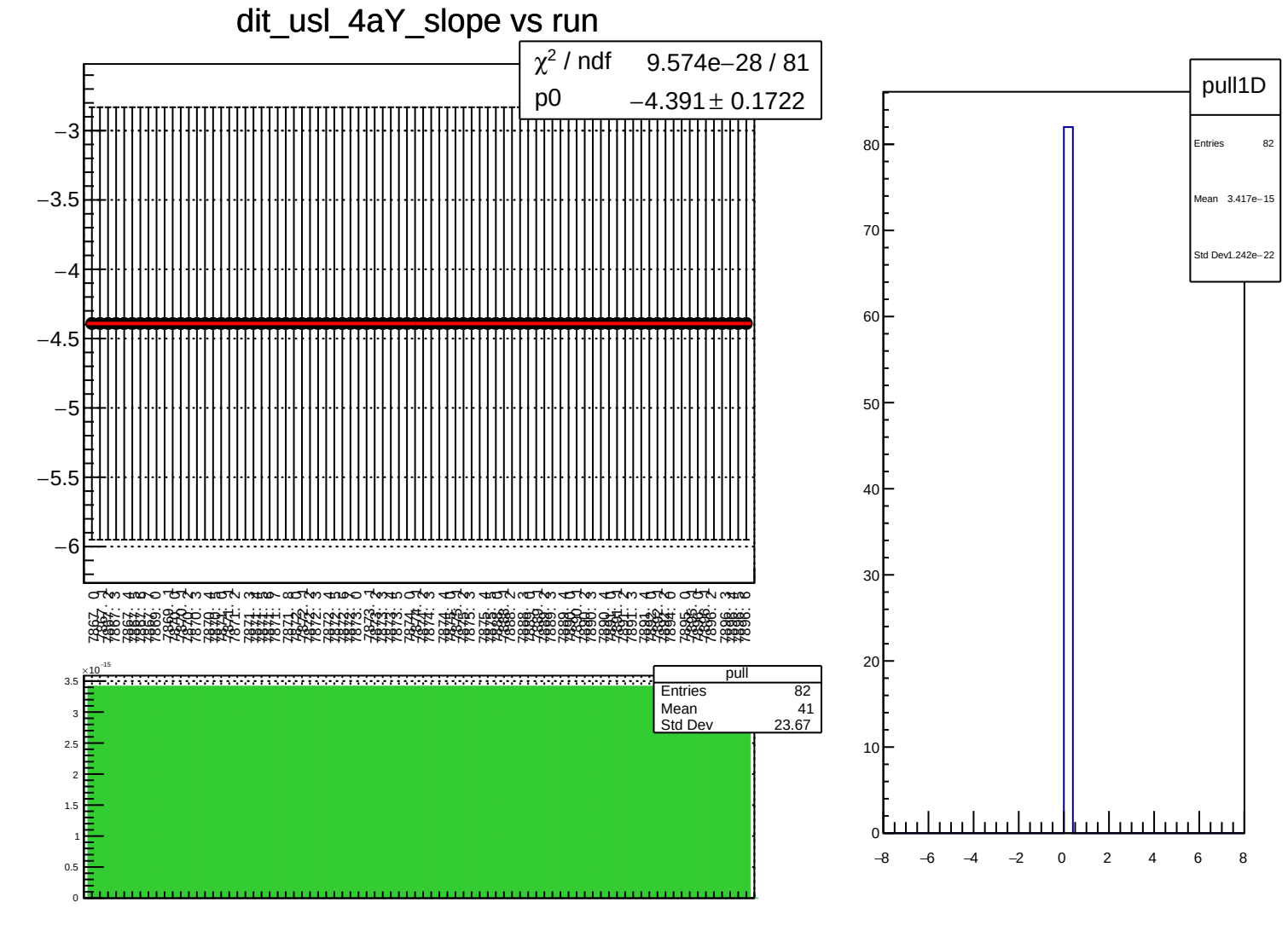

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.35e+04 / 81
p0 1859 ± 1.492
4000
3500
3000
2500
2000
1500

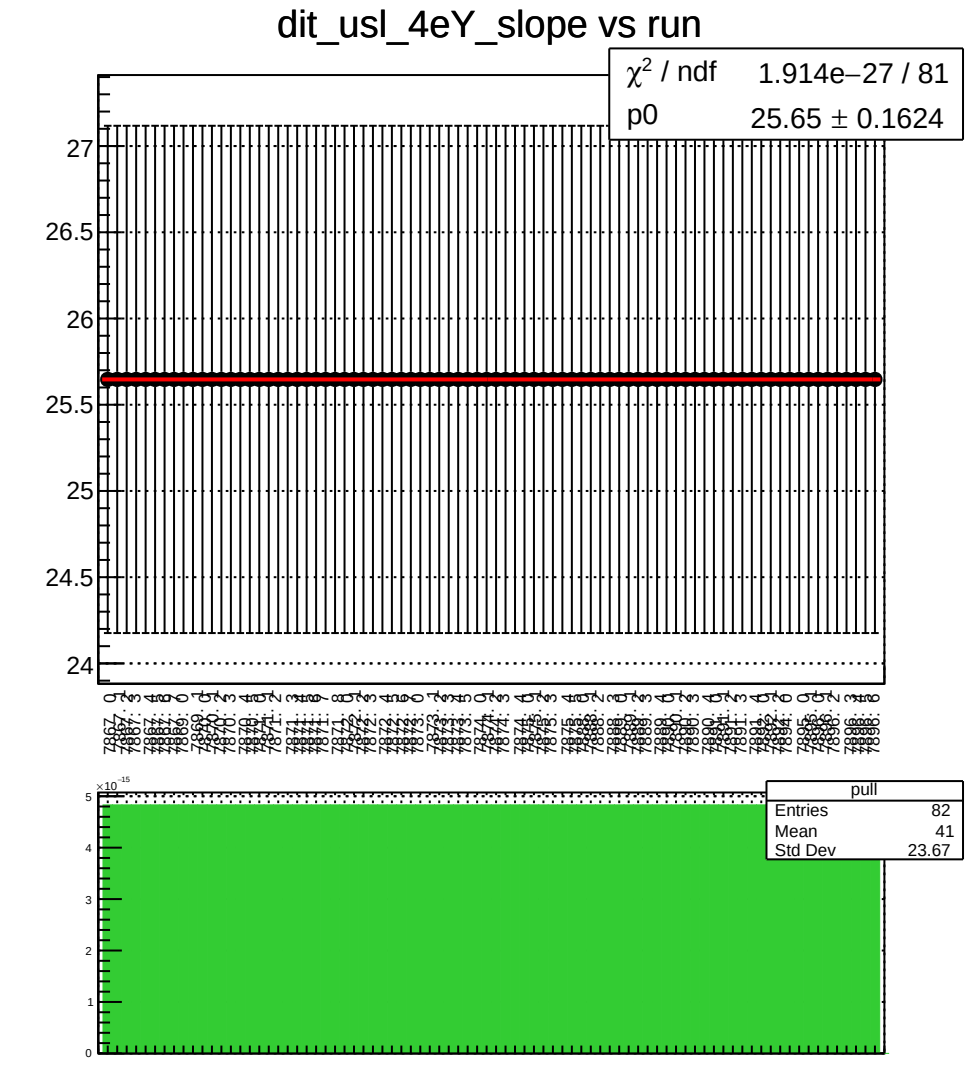

dit_usl_4aX_slope vs run
χ² / ndf 3.084e−24 / 81
p0 −85.75 ± 0.1052
−84.8
−85
−85.2
−85.4
−85.6
−85.8
−86
−86.2
−86.4
−86.6
−86.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.939e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

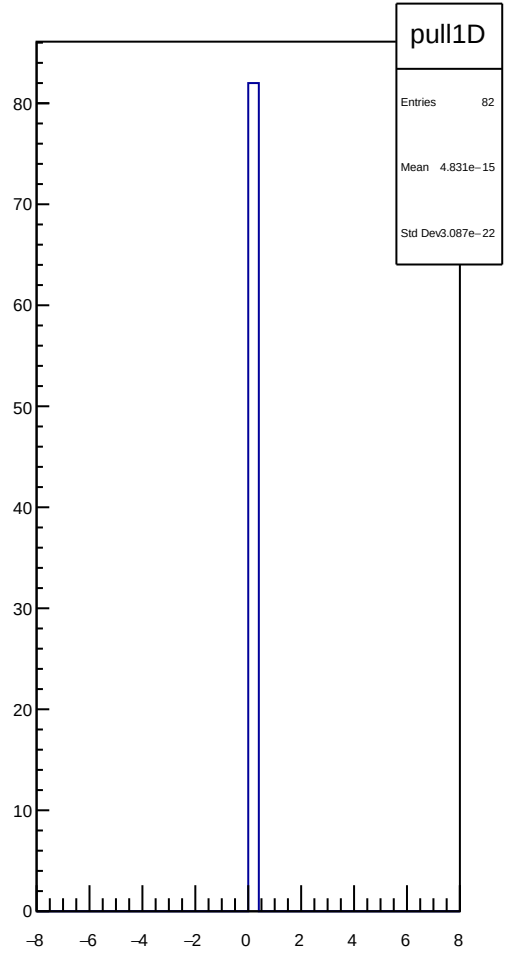

dit_usl_4eX_slope vs run
χ² / ndf 2.403e−26 / 81
p0 16.15 ± 0.09167
17
16.8
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull
Entries 82
Mean 41
Std Dev 23.67

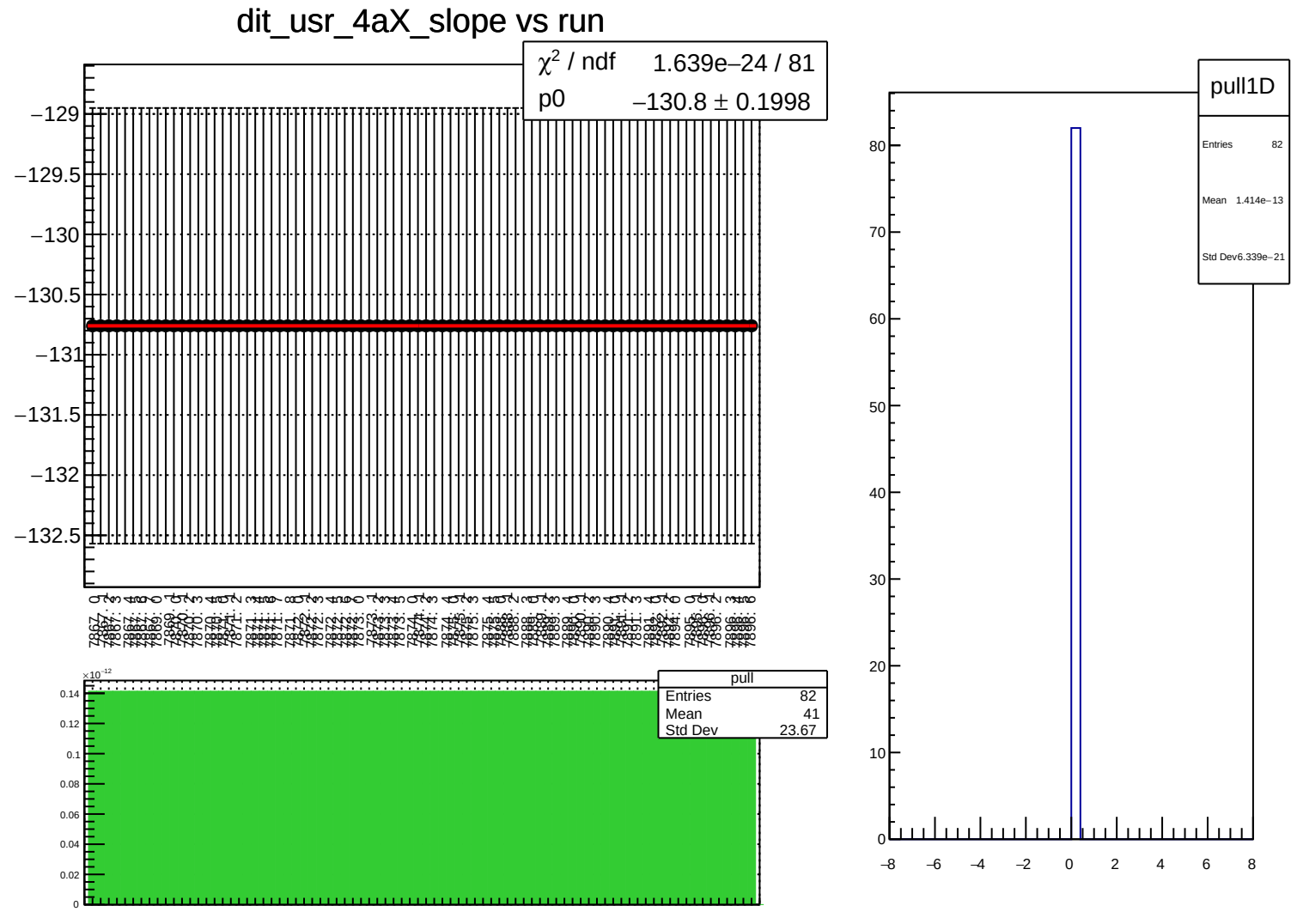

pull1D
Entries 82
Mean 1.712e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

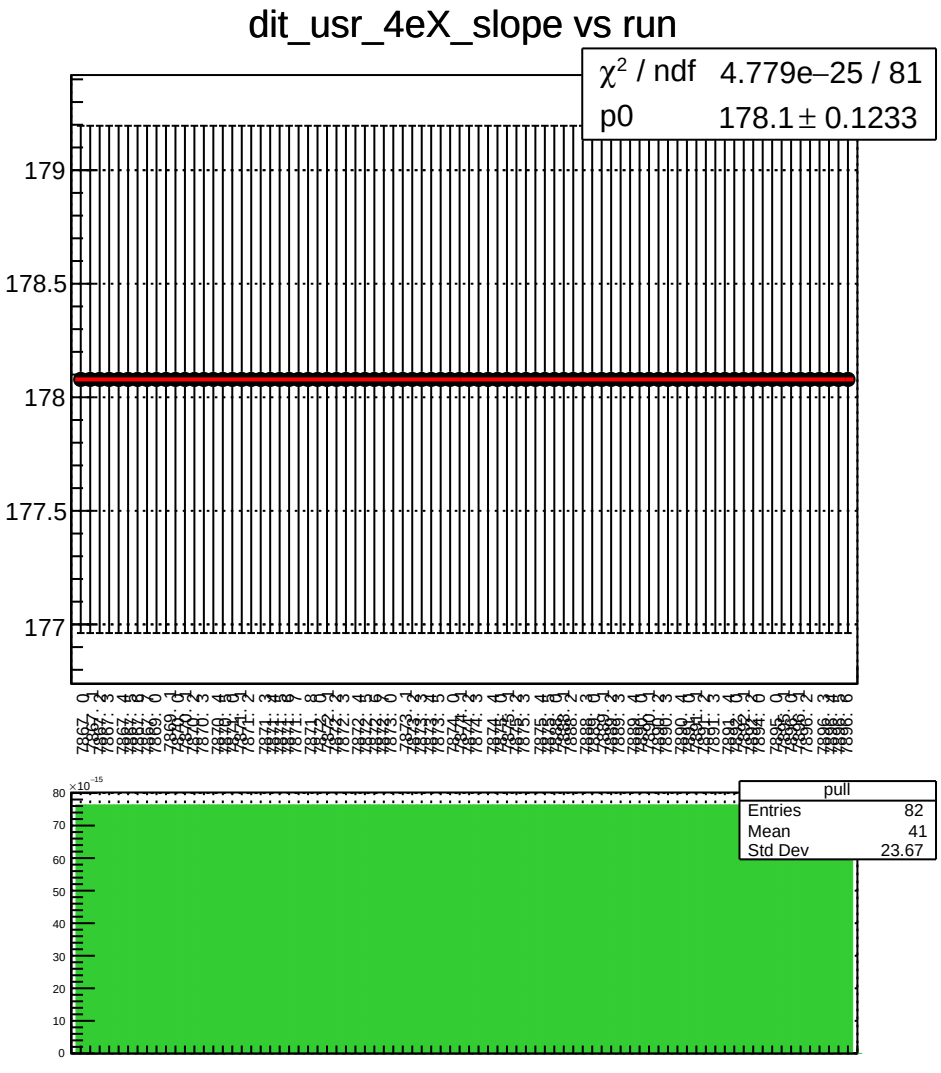

dit_usl_11X12X_slope vs run
χ² / ndf 7.366e−24 / 81
p0 −42.05 ± 0.03665
−41.7
−41.8
−41.9
−42
−42.1
−42.2
−42.3
−42.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 82
Mean −2.997e−13
Std Dev1.856e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

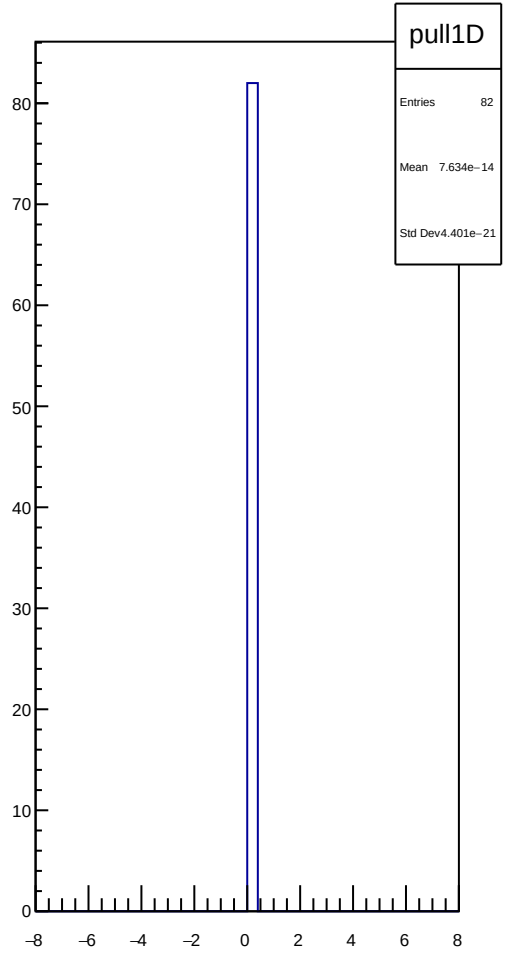

dit_usl_4aY_slope vs run
χ² / ndf 9.574e−28 / 81
p0 −4.391 ± 0.1722
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.417e−15
Std Dev1.242e−22

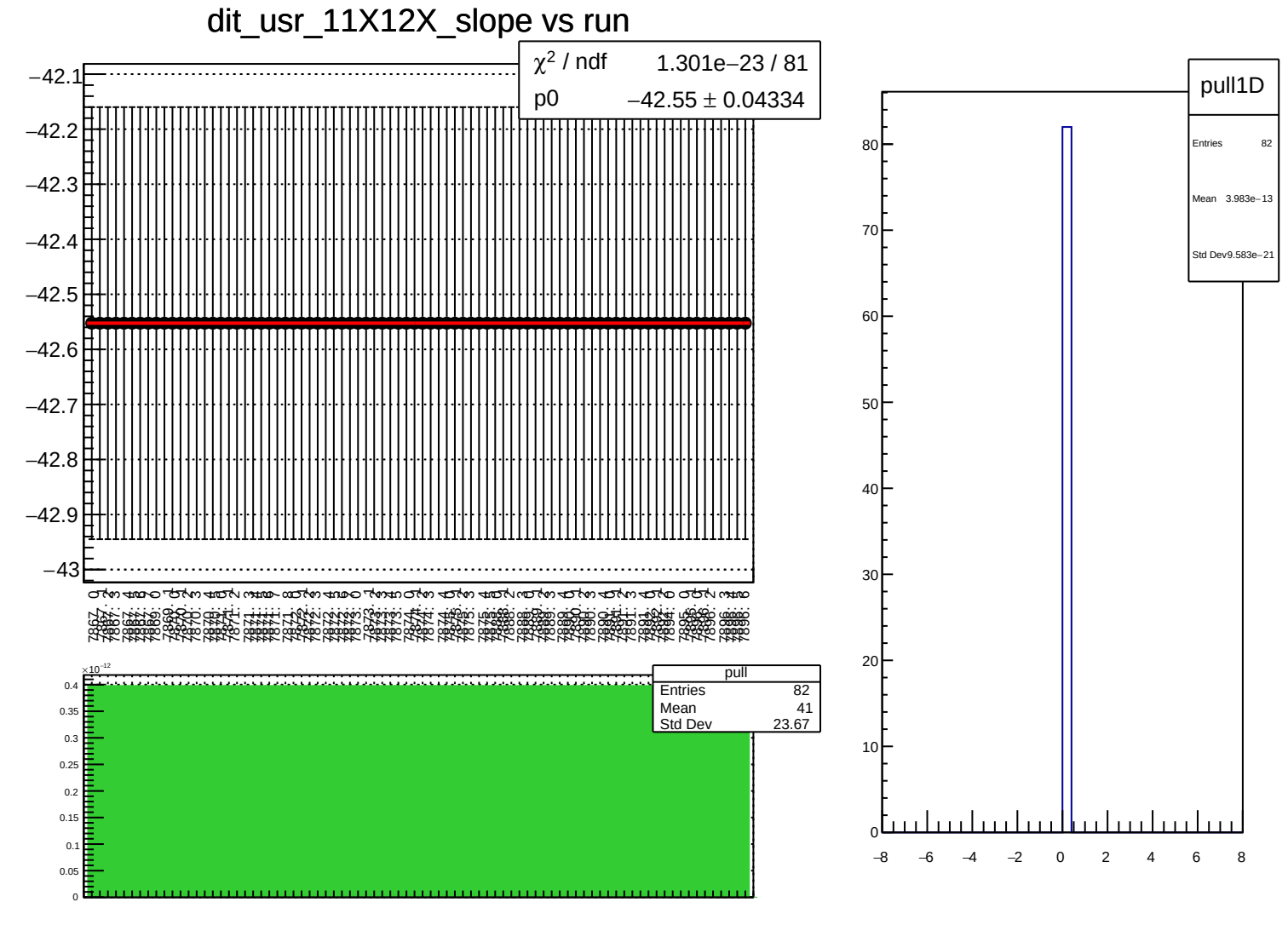

dit_usl_4eY_slope vs run
χ² / ndf 1.914e−27 / 81
p0 25.65 ± 0.1624
pull
Entries 82
Mean 41
Std Dev 23.67

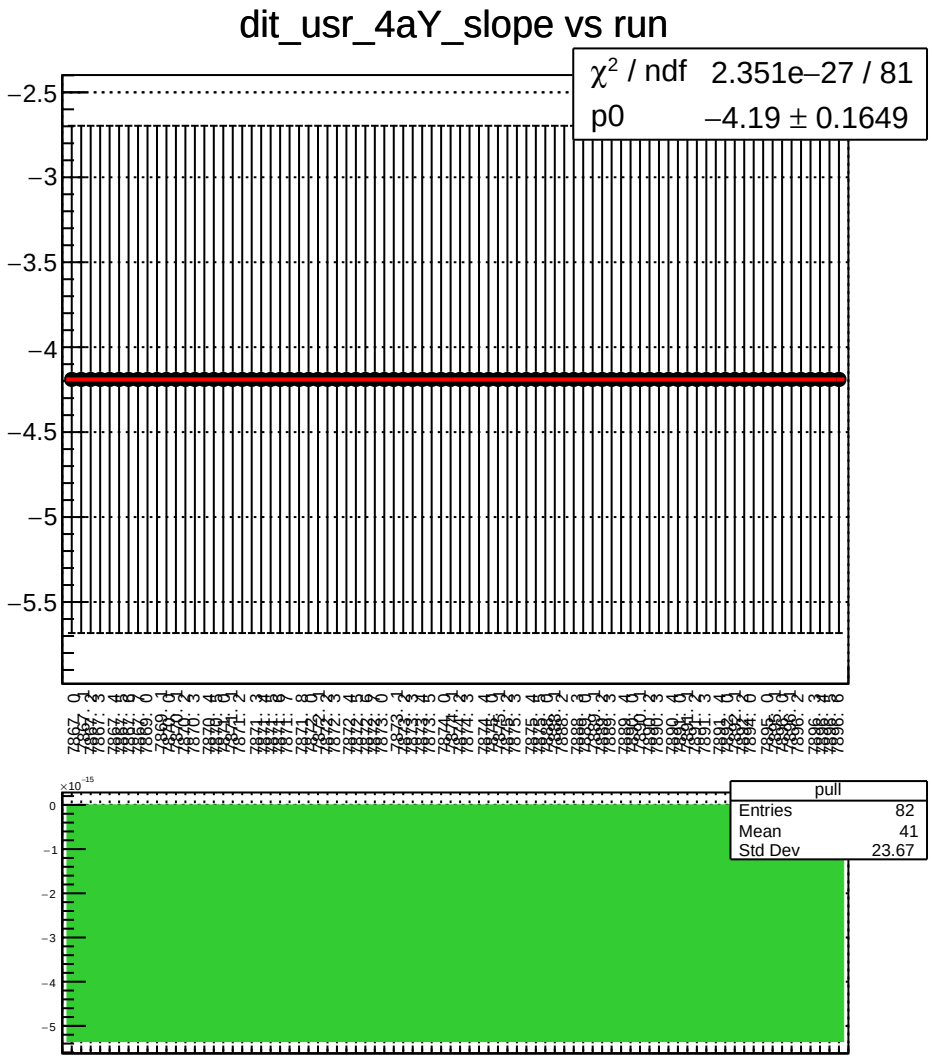

pull1D
Entries 82
Mean 4.831e−15
Std Dev3.087e−22

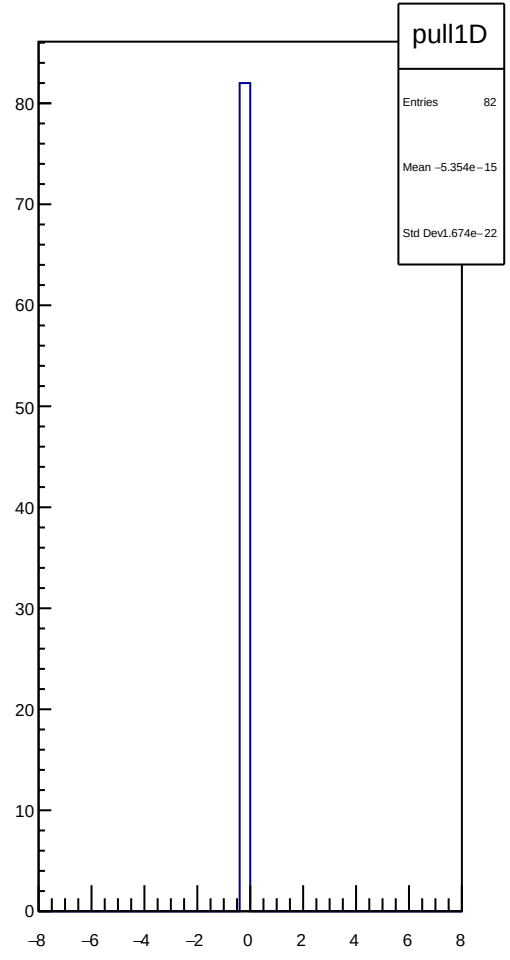

dit_usr_4aX_slope vs run
χ² / ndf 1.639e−24 / 81
p0 −130.8 ± 0.1998
−129
−129.5
−130
−130.5
−131
−131.5
−132
−132.5
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.414e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

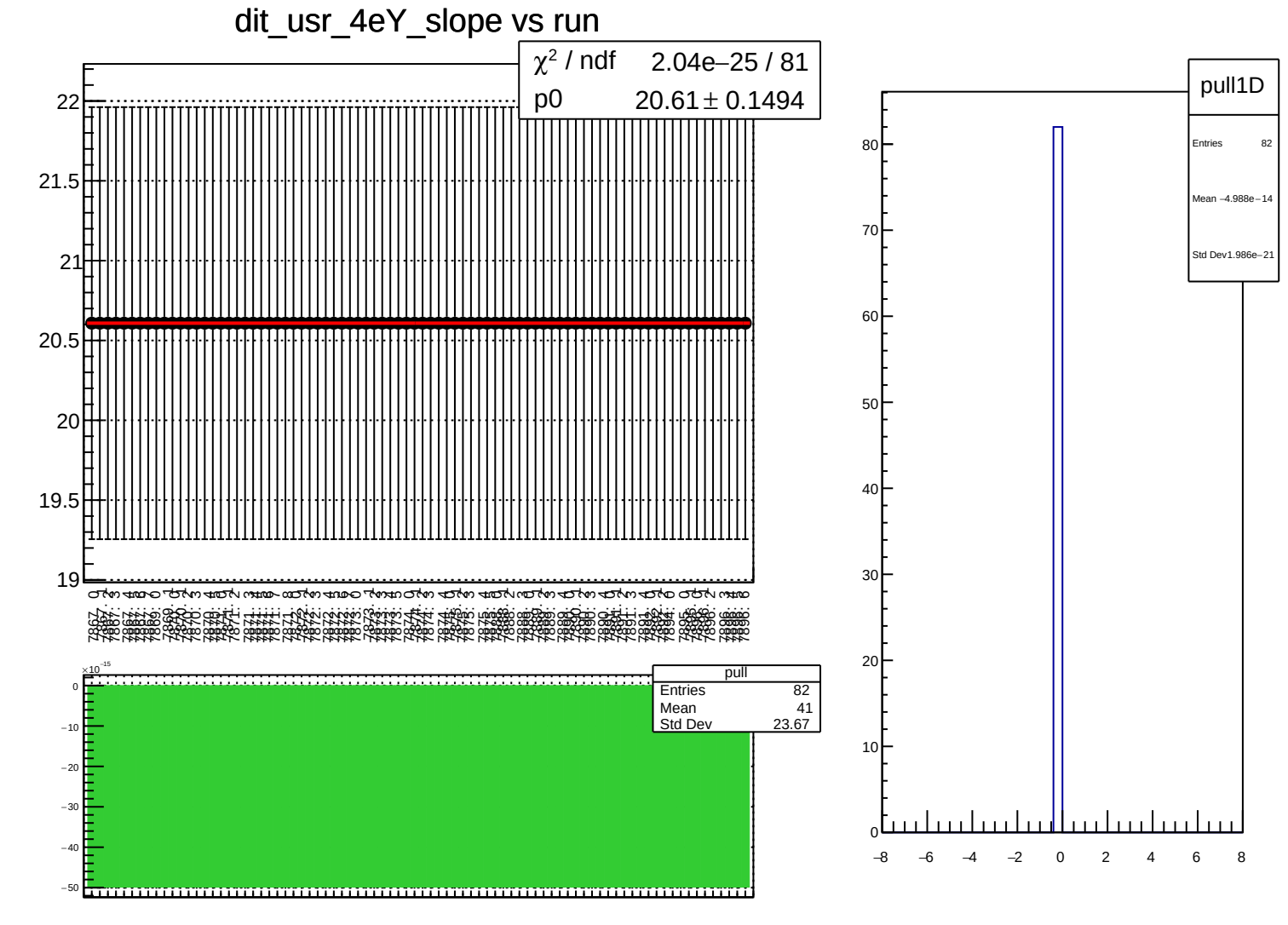

dit_usr_4eX_slope vs run
χ² / ndf 4.779e−25 / 81
p0 178.1 ± 0.1233
179
178.5
178
177.5
177
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

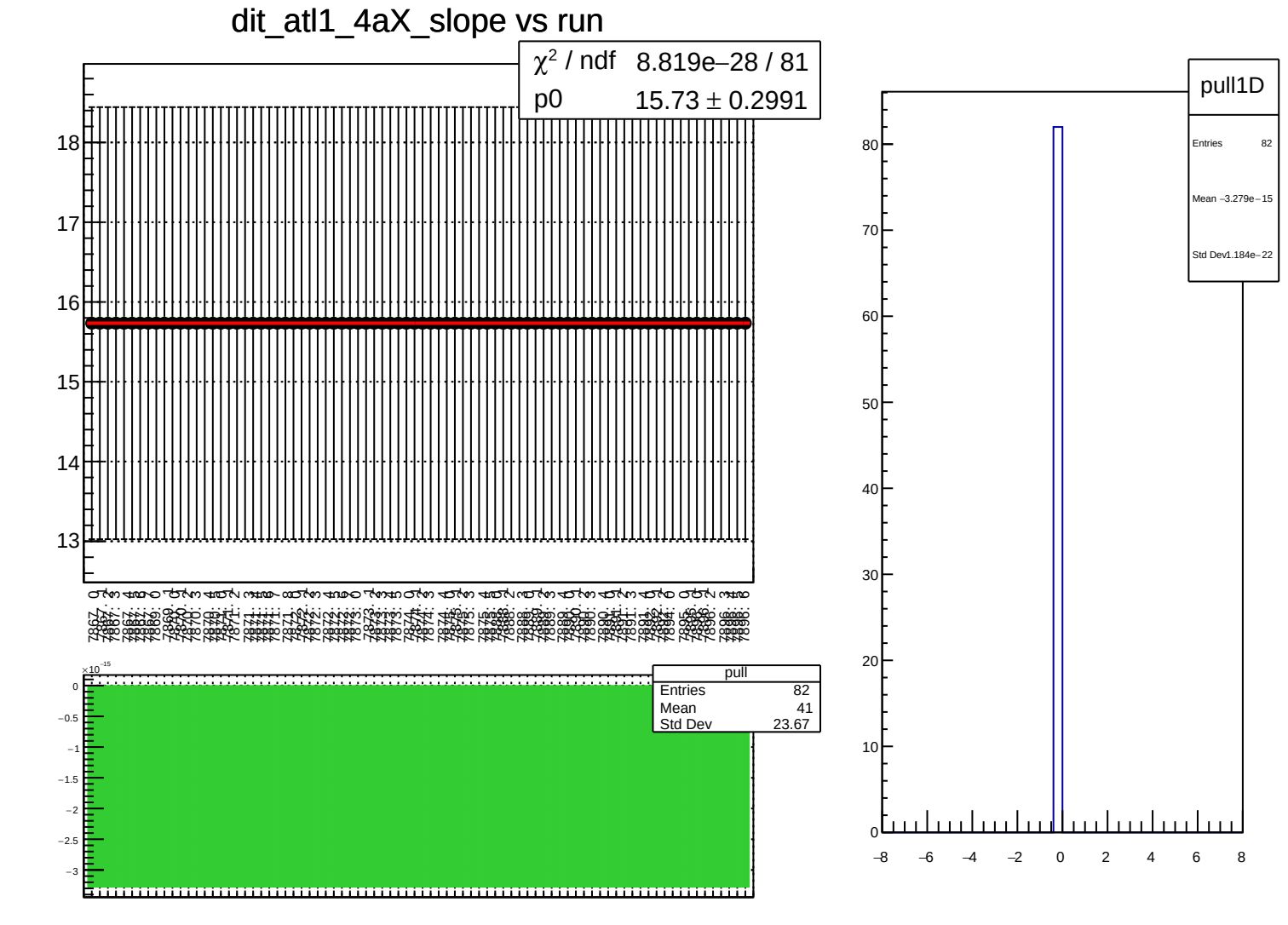

pull1D
Entries 82
Mean 7.634e−14
Std Dev4.401e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

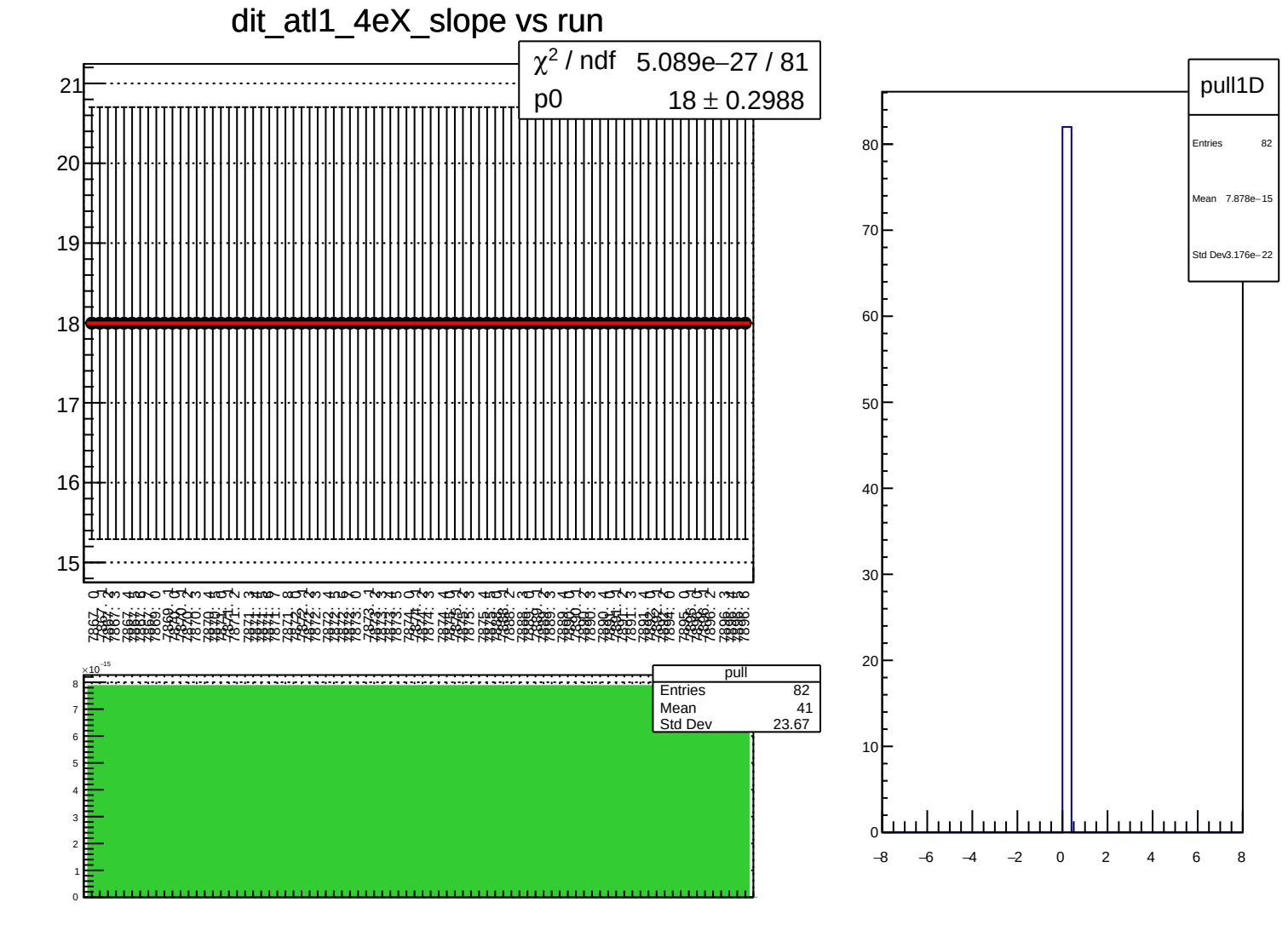

dit_usr_11X12X_slope vs run
χ² / ndf 1.301e−23 / 81
p0 −42.55 ± 0.04334
−42.1
−42.2
−42.3
−42.4
−42.5
−42.6
−42.7
−42.8
−42.9
−43
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 82
Mean 3.983e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

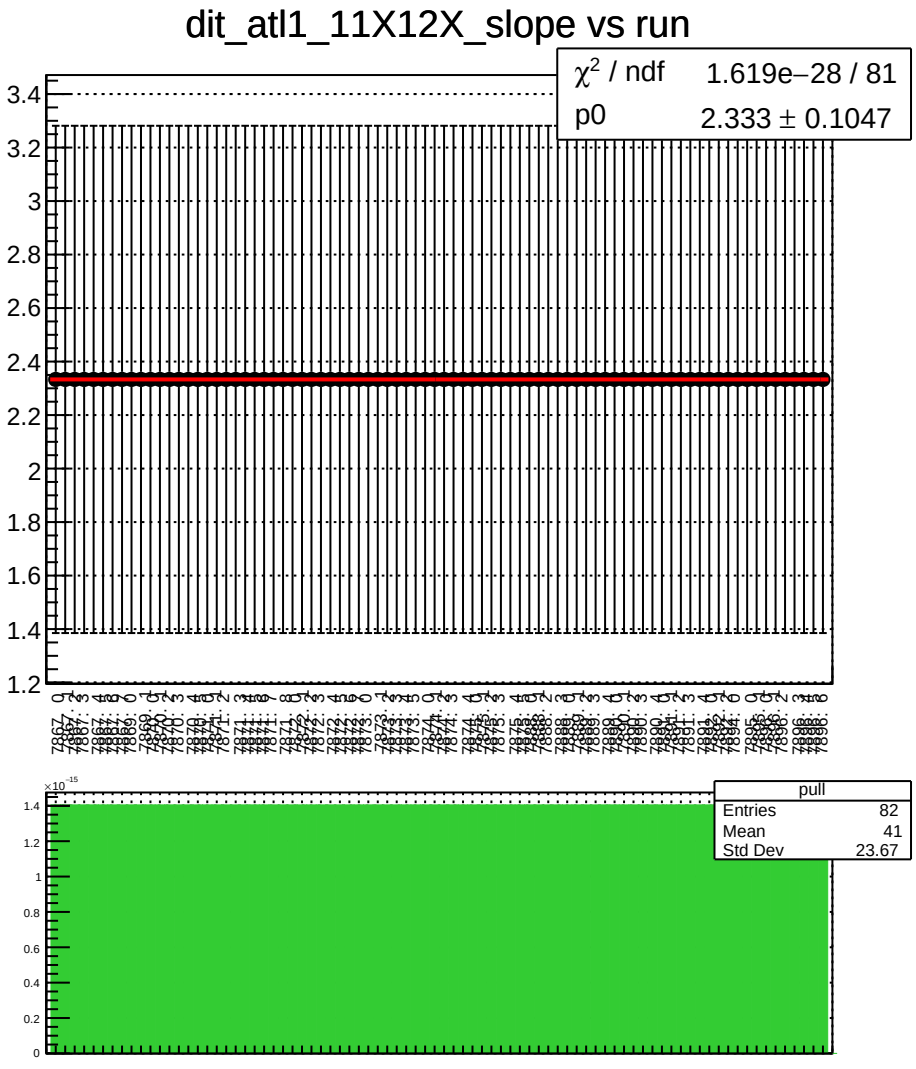

dit_usr_4aY_slope vs run
χ² / ndf 2.351e−27 / 81
p0 −4.19 ± 0.1649
pull
Entries 82
Mean 41
Std Dev 23.67

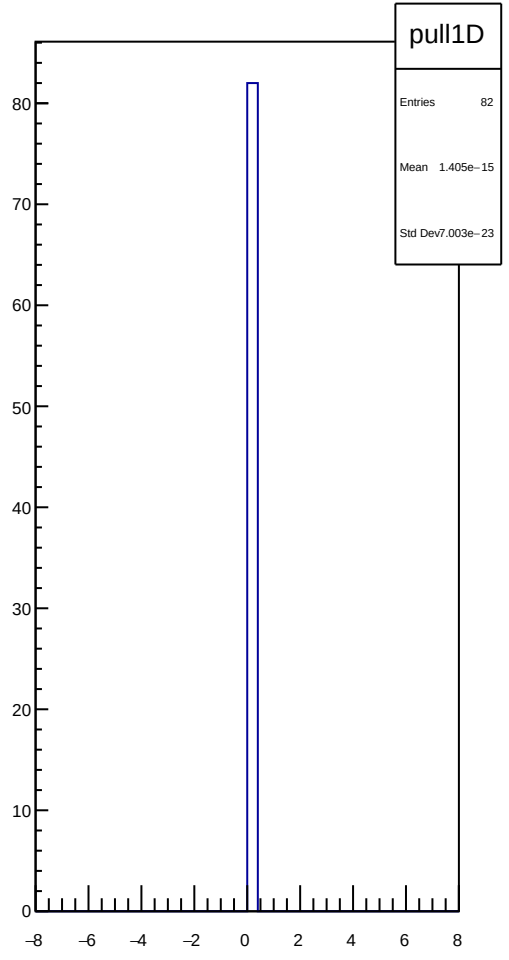

pull1D
Entries 82
Mean −5.354e−15
Std Dev1.674e−22

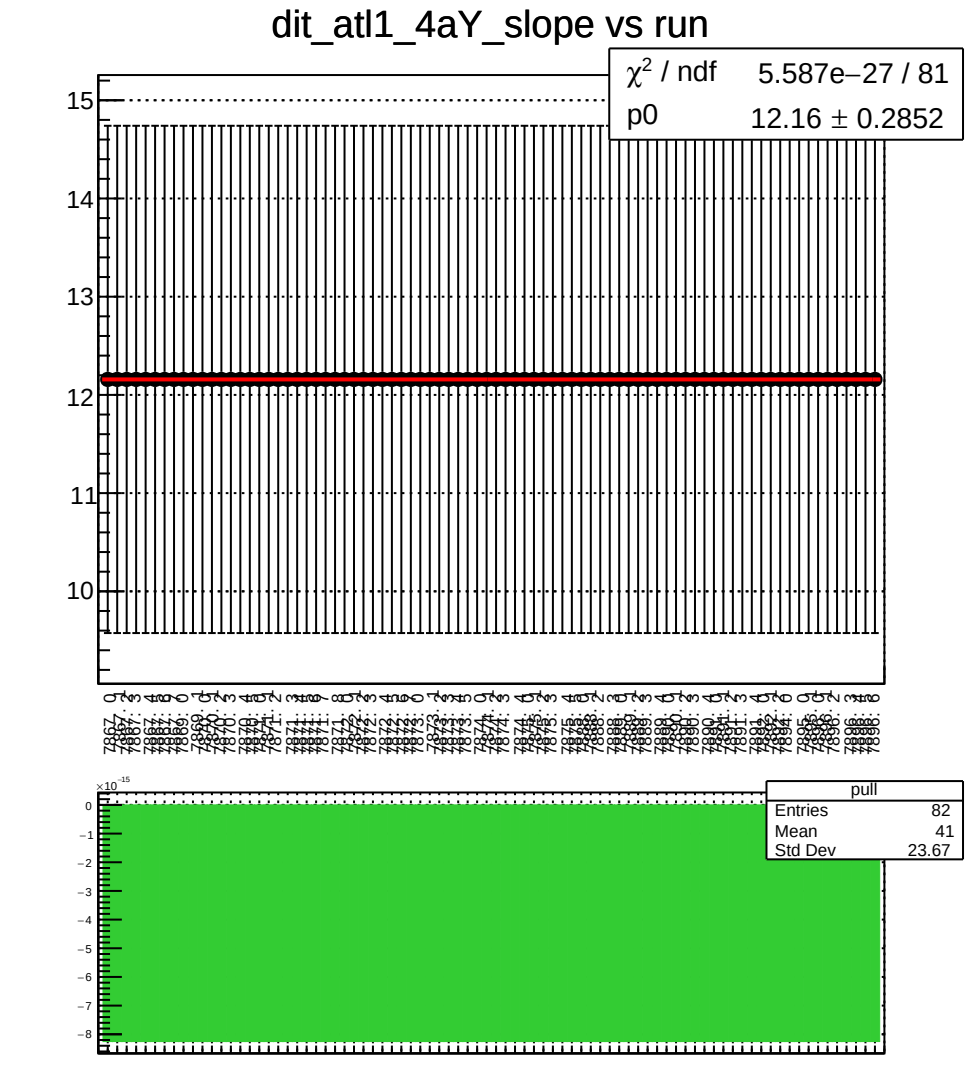

dit_usr_4eY_slope vs run
χ² / ndf 2.04e−25 / 81
p0 20.61 ± 0.1494
22
21.5
21
20.5
20
19.5
19
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 82
Mean −4.988e−14
Std Dev1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

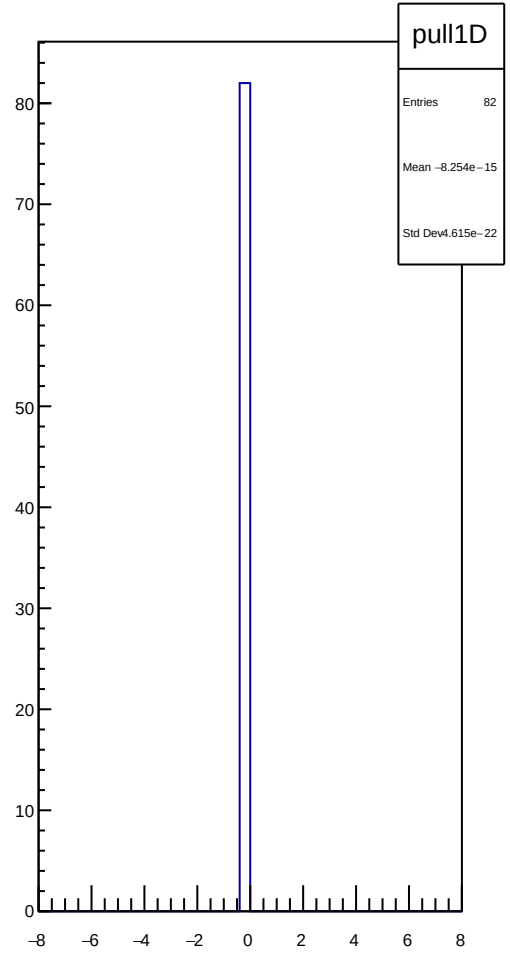

dit_atl1_4aX_slope vs run
χ² / ndf 8.819e−28 / 81
p0 15.73 ± 0.2991
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.279e−15
Std Dev1.184e−22

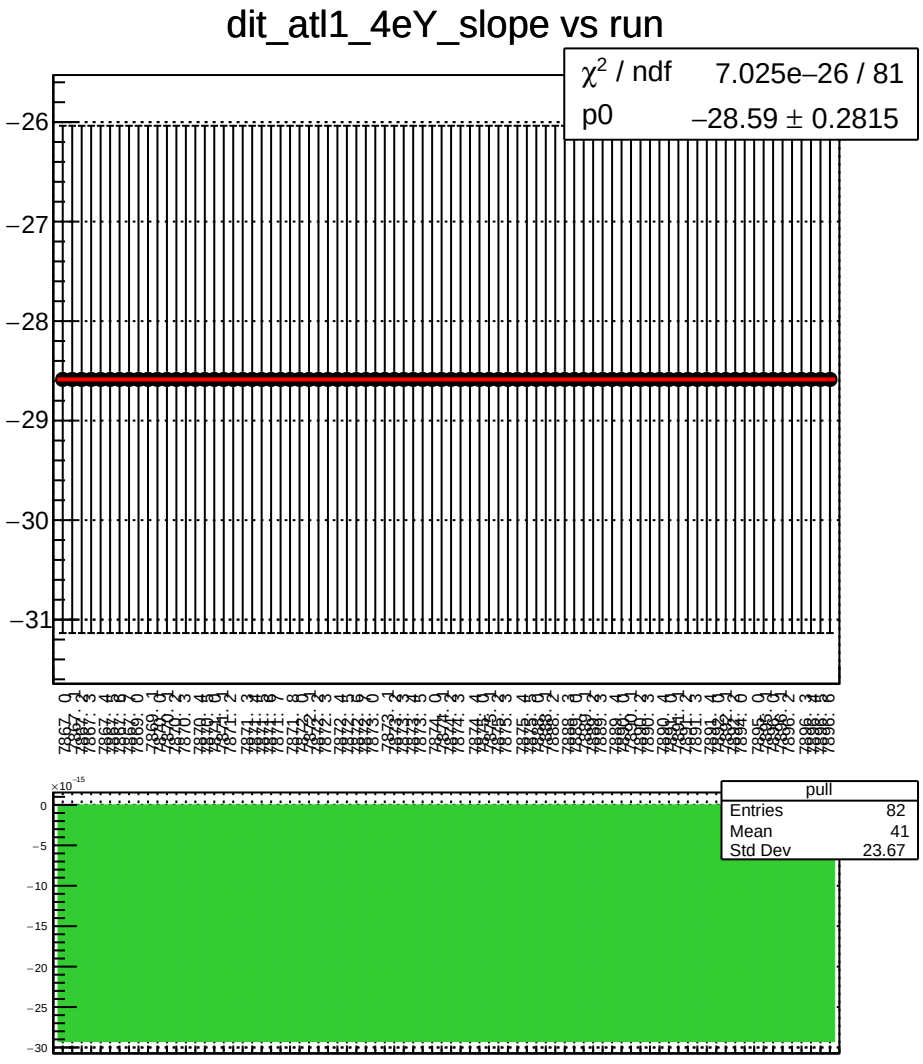

dit_atl1_4eX_slope vs run
χ² / ndf 5.089e−27 / 81
p0 18 ± 0.2988
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.878e−15
Std Dev 3.176e−22

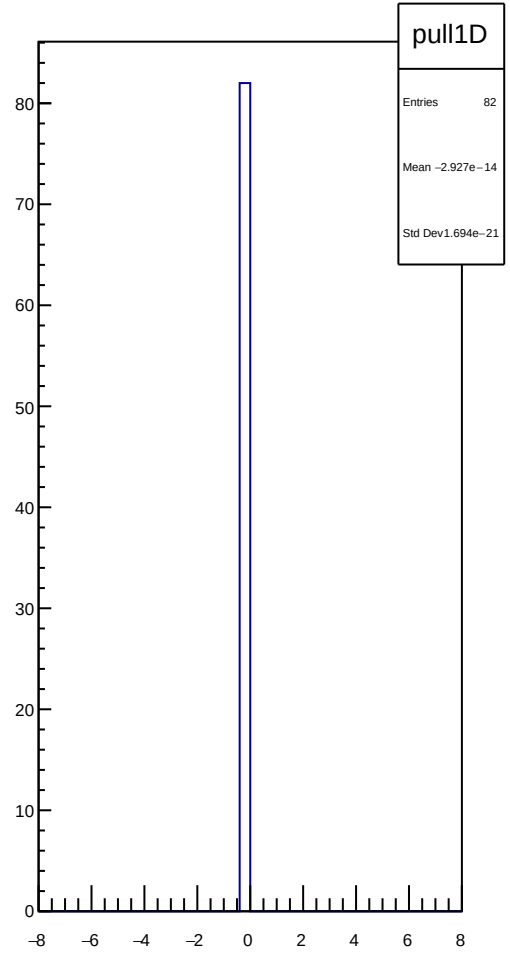

dit_atl1_11X12X_slope vs run
χ² / ndf 1.619e−28 / 81
p0 2.333 ± 0.1047
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵

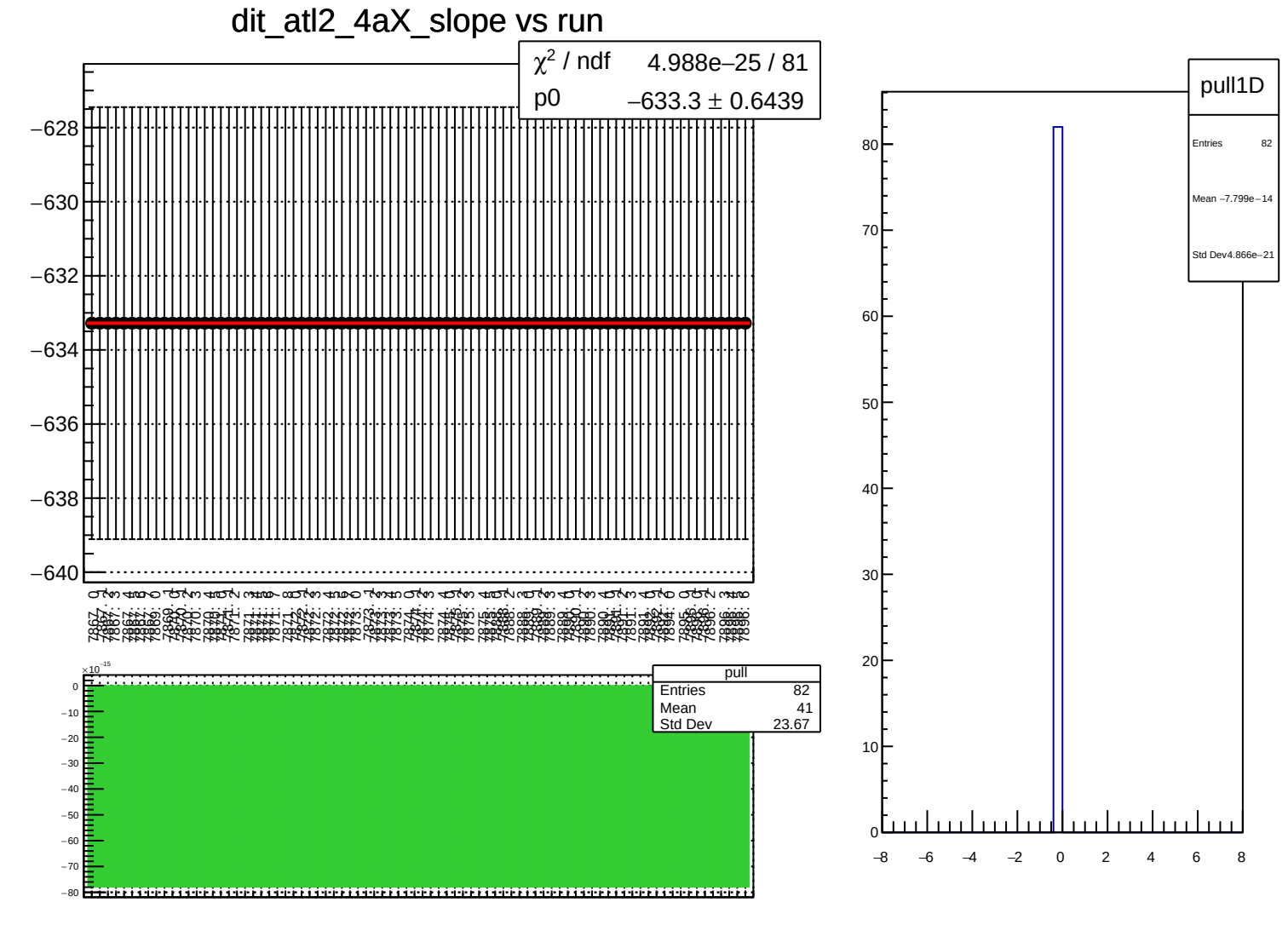

pull1D
Entries 82
Mean 1.405e−15
Std Dev7.003e−23

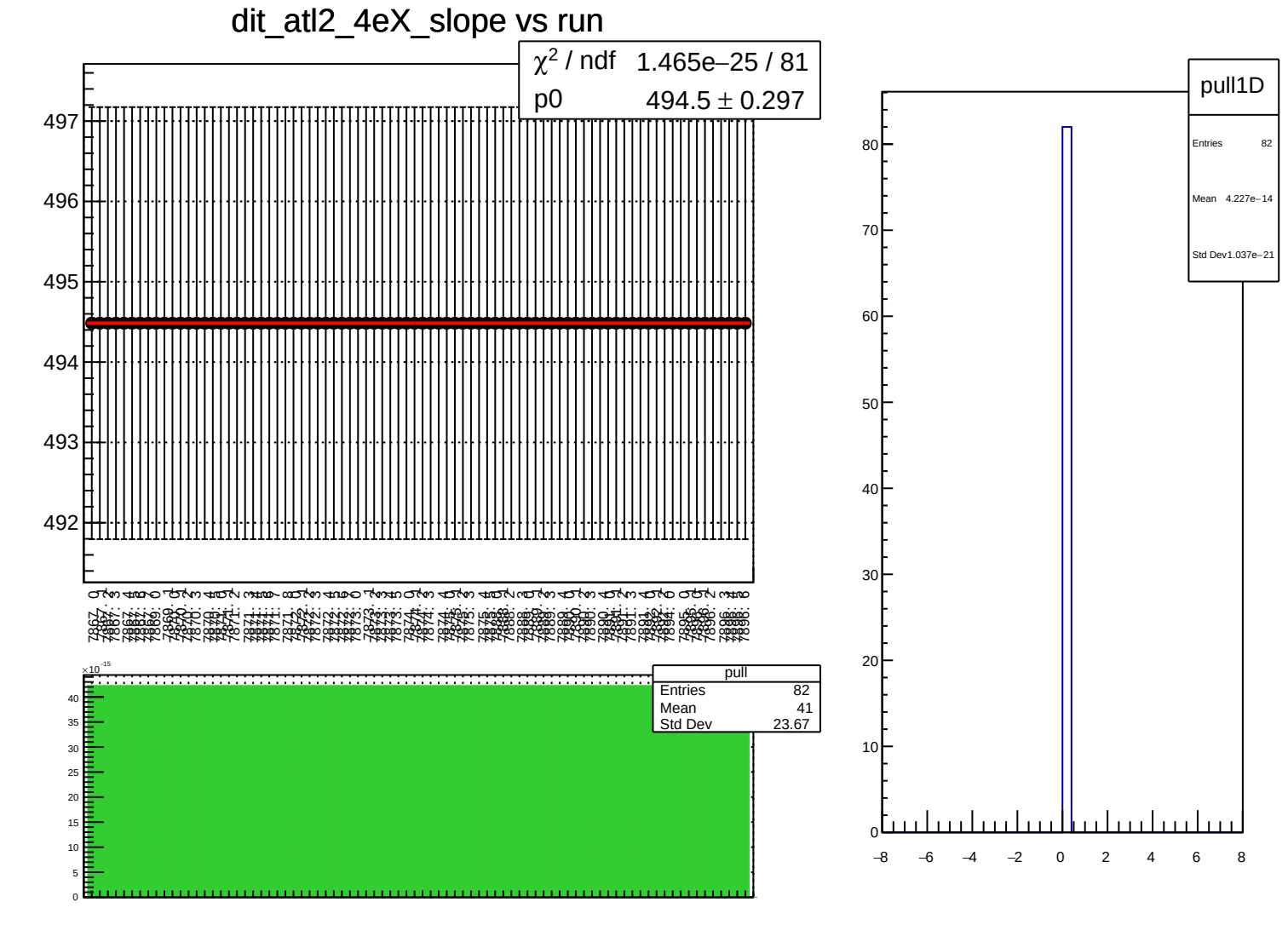

dit_atl1_4aY_slope vs run
χ² / ndf 5.587e−27 / 81
p0 12.16 ± 0.2852
pull
Entries 82
Mean 41
Std Dev 23.67

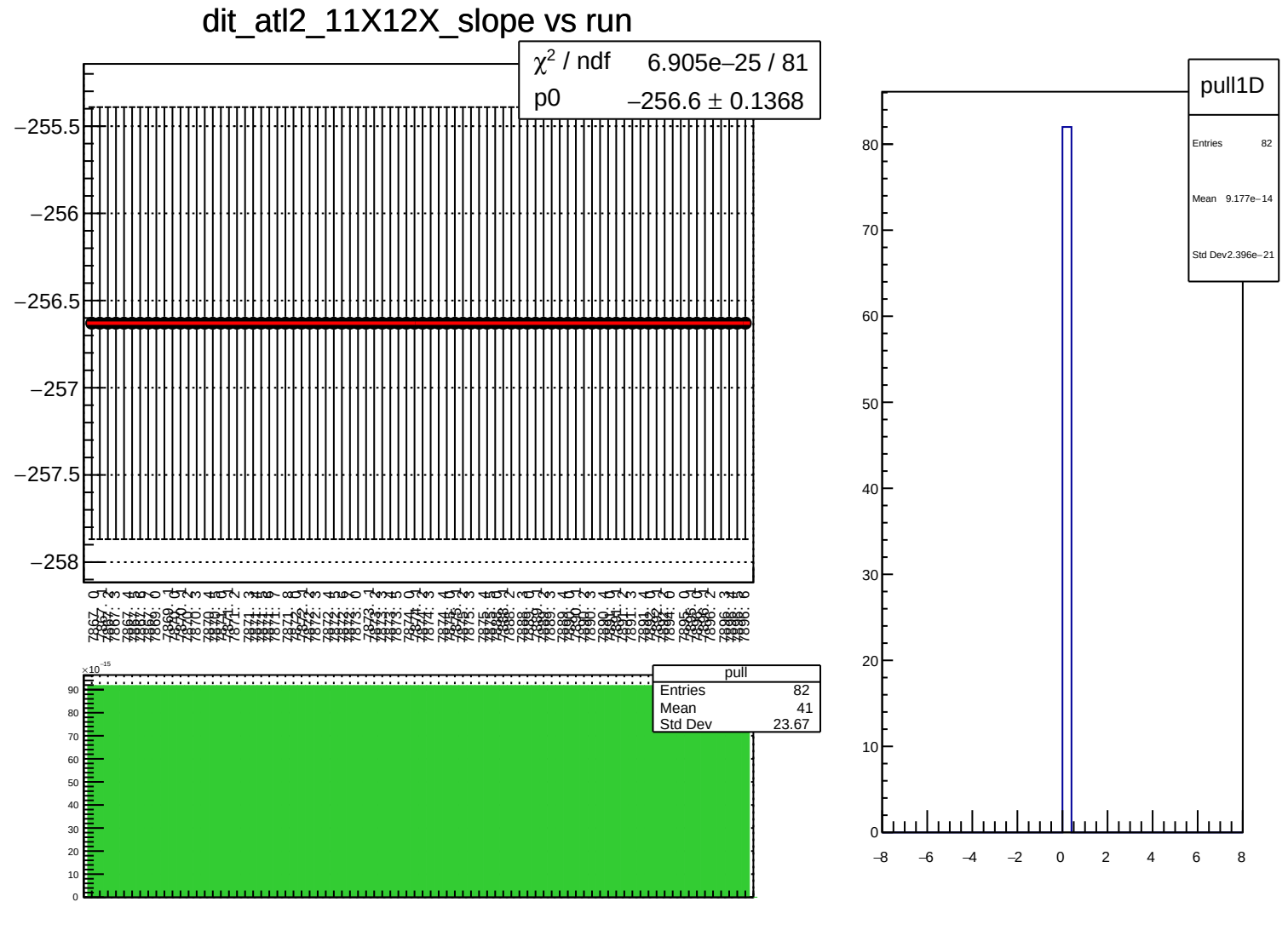

pull1D
Entries 82
Mean −8.254e−15
Std Dev 4.615e−22

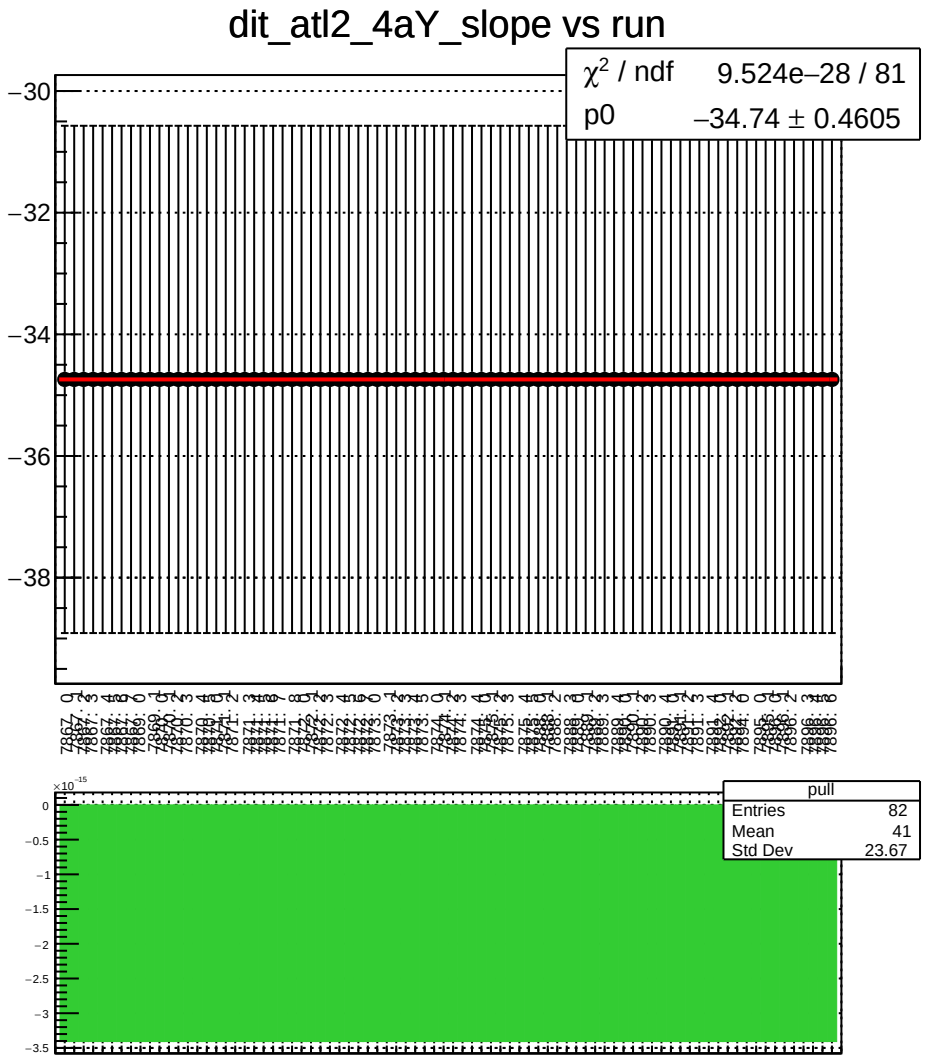

dit_atl1_4eY_slope vs run
χ² / ndf 7.025e−26 / 81
p0 −28.59 ± 0.2815
−26
−27
−28
−29
−30
−31
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

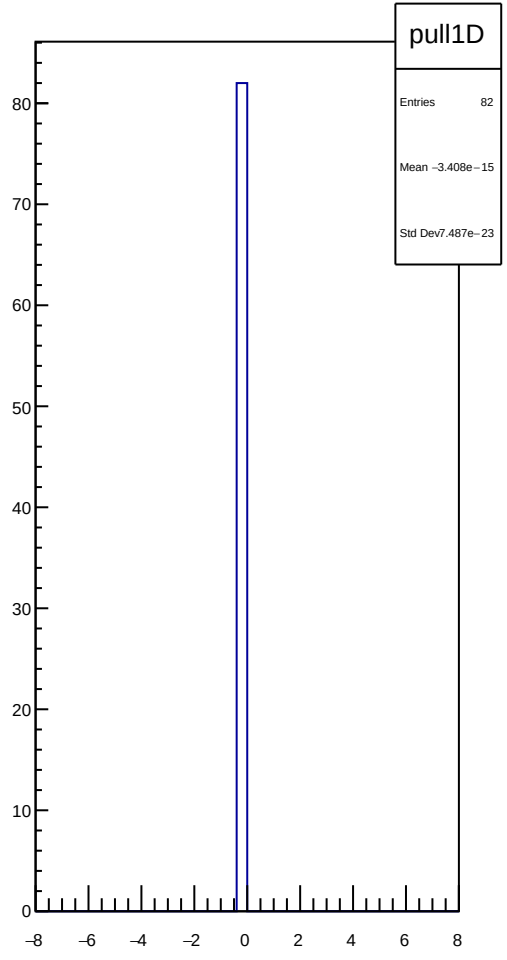

pull1D
Entries 82
Mean −2.927e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

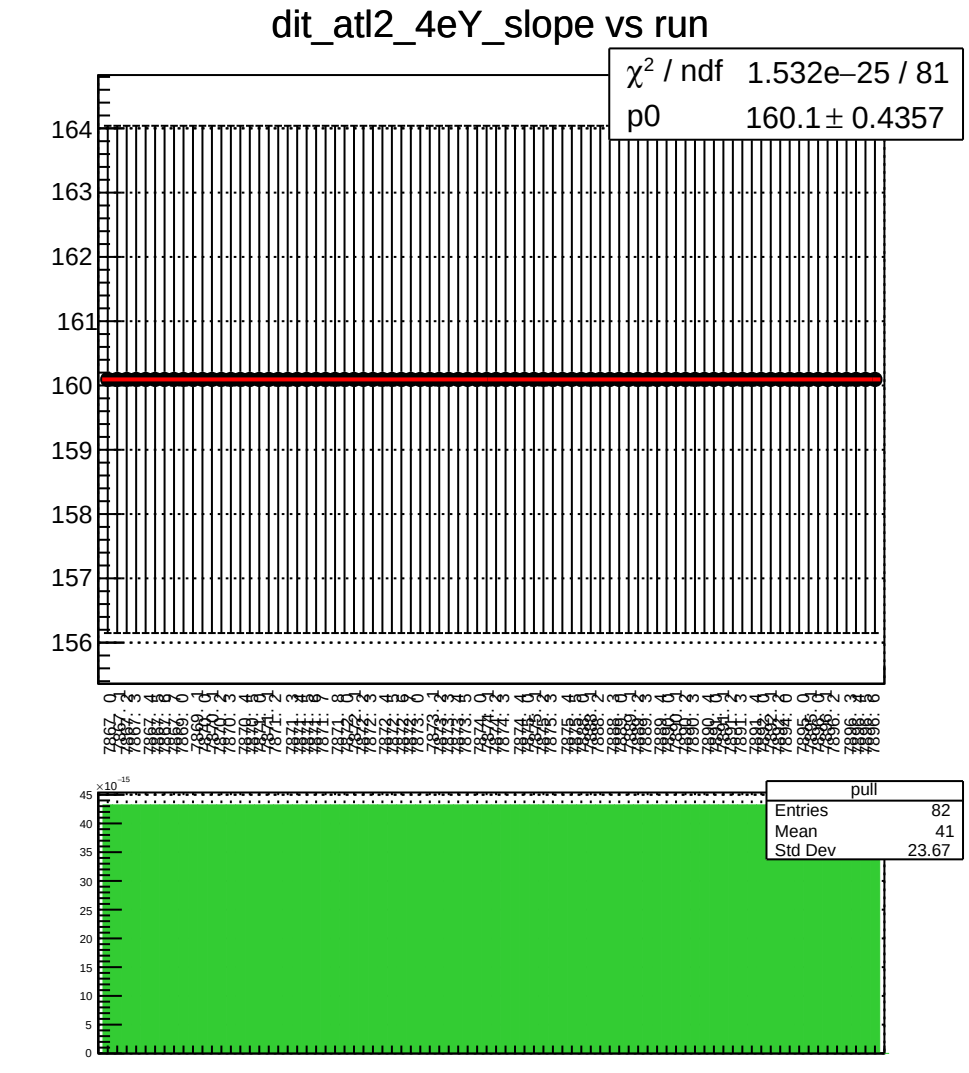

dit_atl2_4aX_slope vs run
χ² / ndf 4.988e−25 / 81
p0 −633.3 ± 0.6439
−628
−630
−632
−634
−636
−638
−640
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 82
Mean −7.799e−14
Std Dev4.866e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

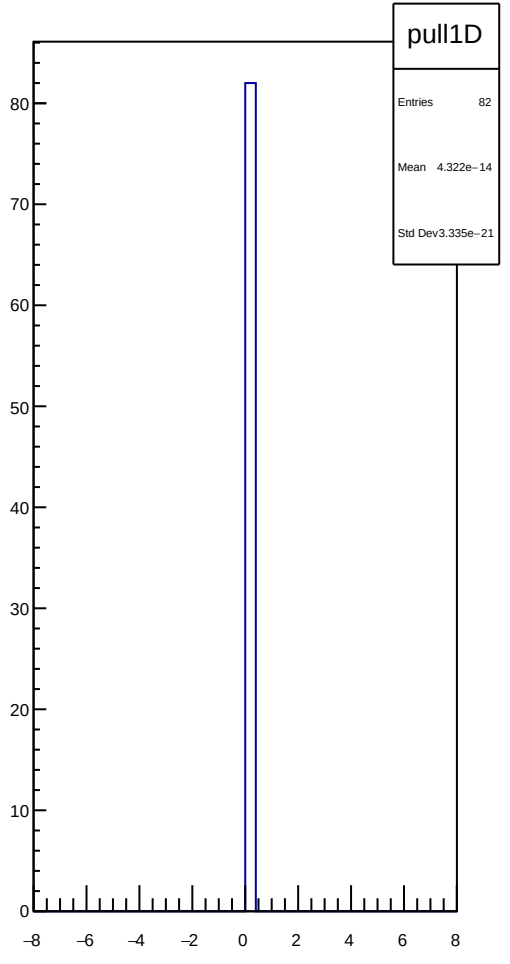

dit_atl2_4eX_slope vs run
χ² / ndf 1.465e−25 / 81
p0 494.5 ± 0.297
497
496
495
494
493
492
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 82
Mean 4.227e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

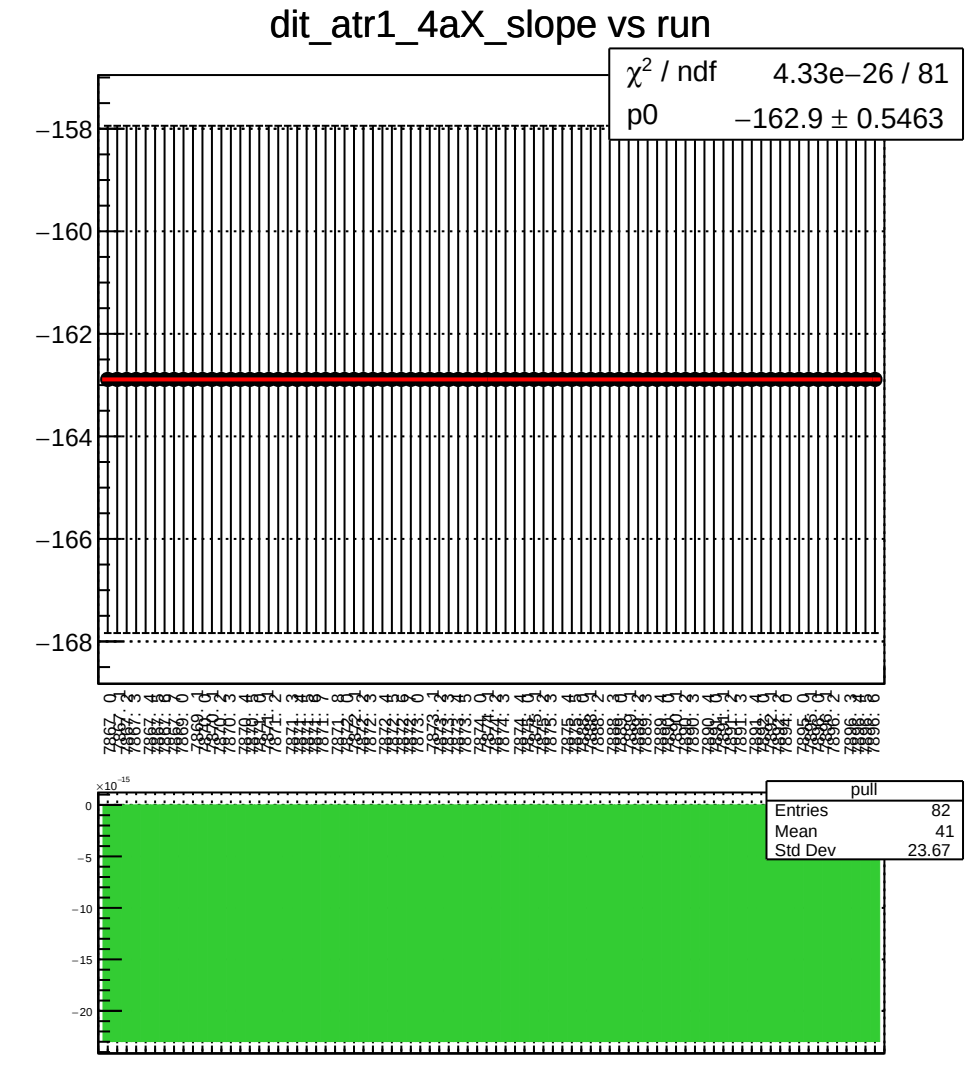

dit_atl2_11X12X_slope vs run
χ² / ndf 6.905e−25 / 81
p0 −256.6 ± 0.1368
−255.5
−256
−256.5
−257
−257.5
−258
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 9.177e−14
Std Dev2.396e−21

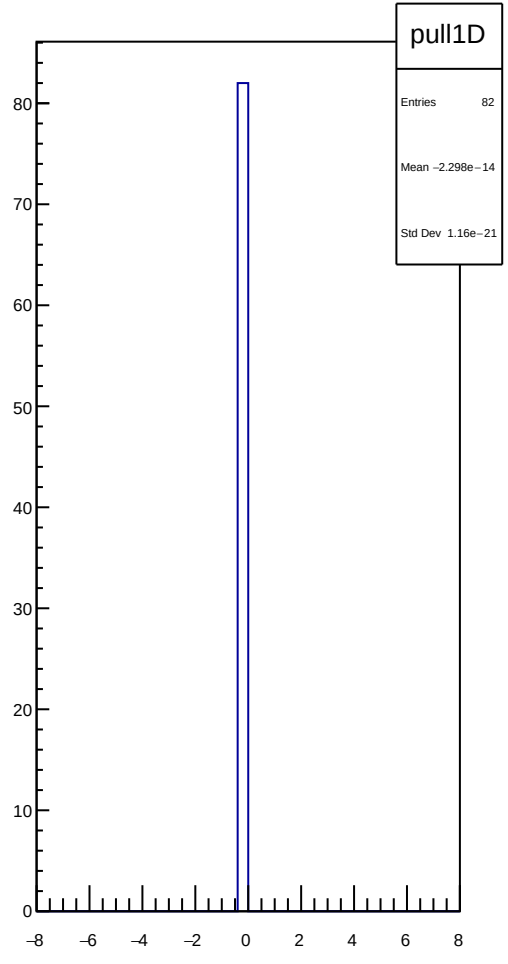

dit_atl2_4aY_slope vs run
χ² / ndf 9.524e−28 / 81
p0 −34.74 ± 0.4605
−30
−32
−34
−36
−38
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

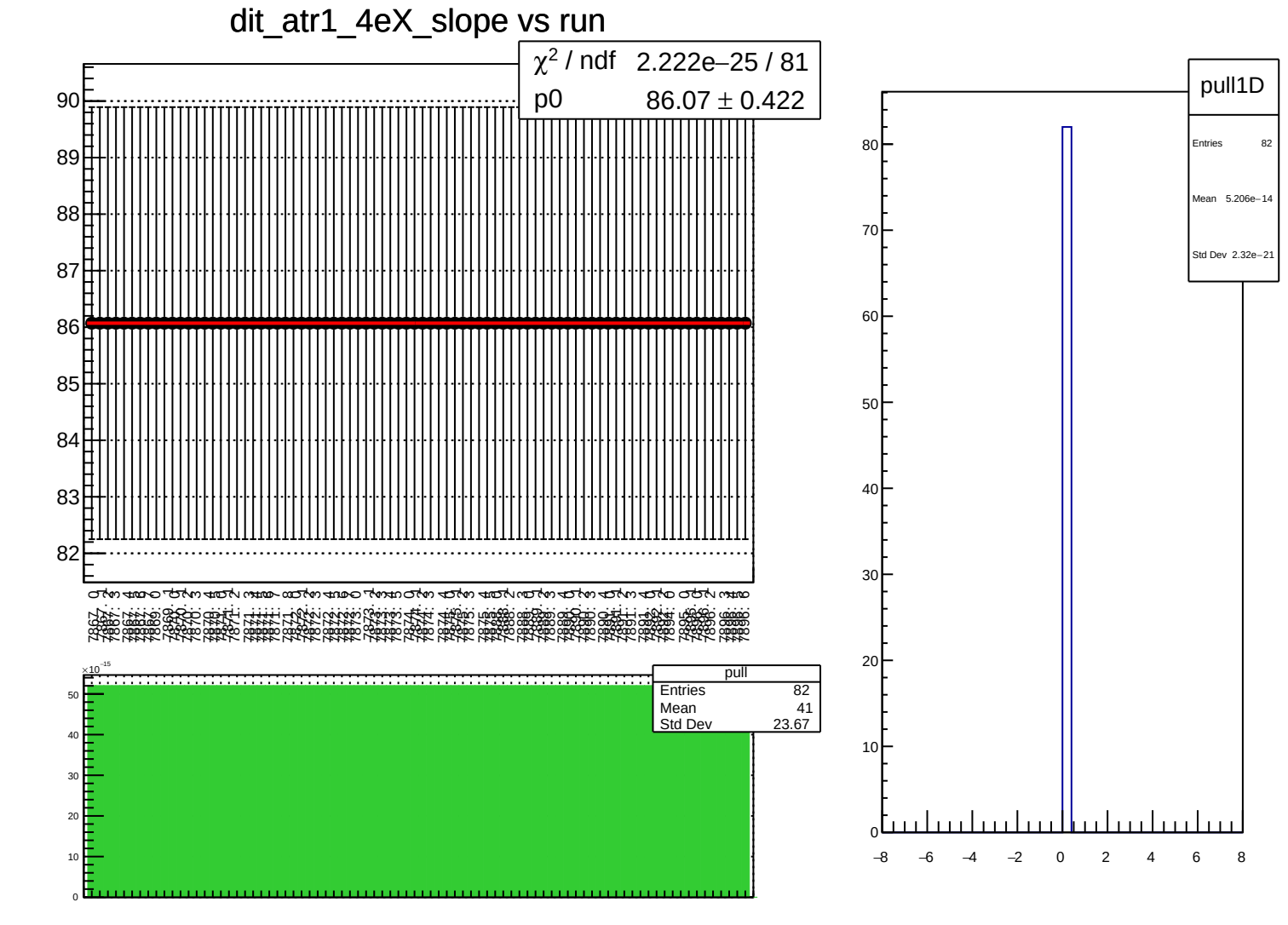

pull1D
Entries 82
Mean −3.408e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

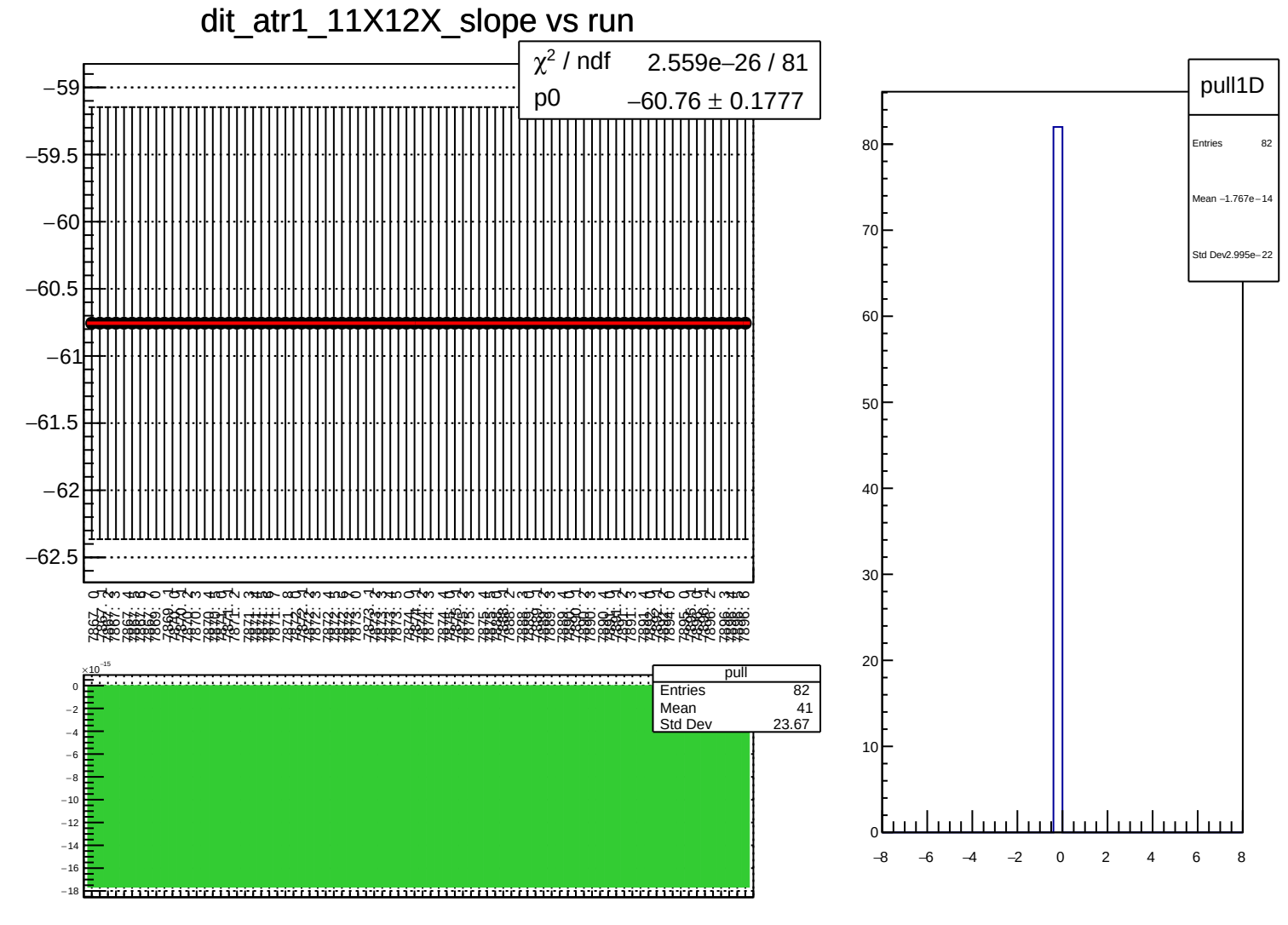

dit_atl2_4eY_slope vs run
χ² / ndf 1.532e−25 / 81
p0 160.1 ± 0.4357
164
163
162
161
160
159
158
157
156
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

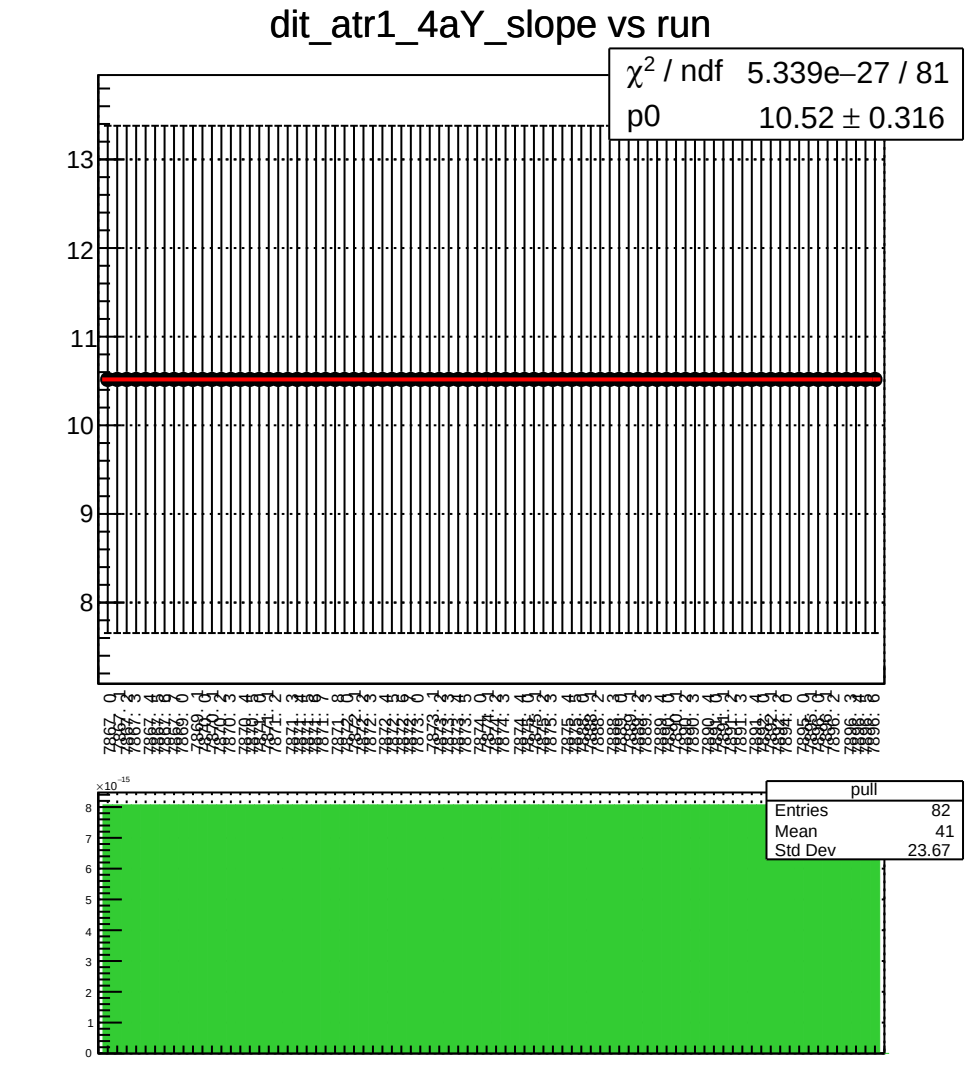

pull1D
Entries 82
Mean 4.322e−14
Std Dev3.335e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

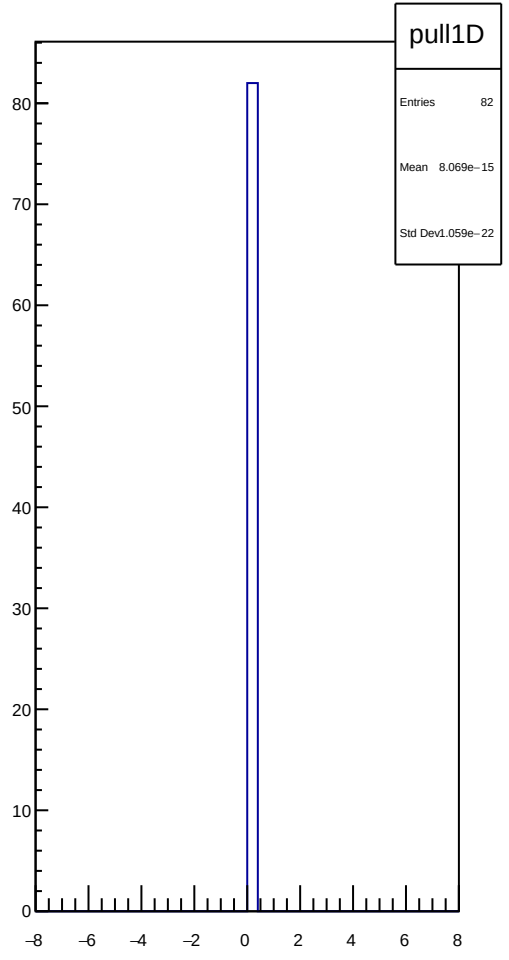

dit_atr1_4aX_slope vs run
χ² / ndf 4.33e−26 / 81
p0 −162.9 ± 0.5463
−158
−160
−162
−164
−166
−168
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20

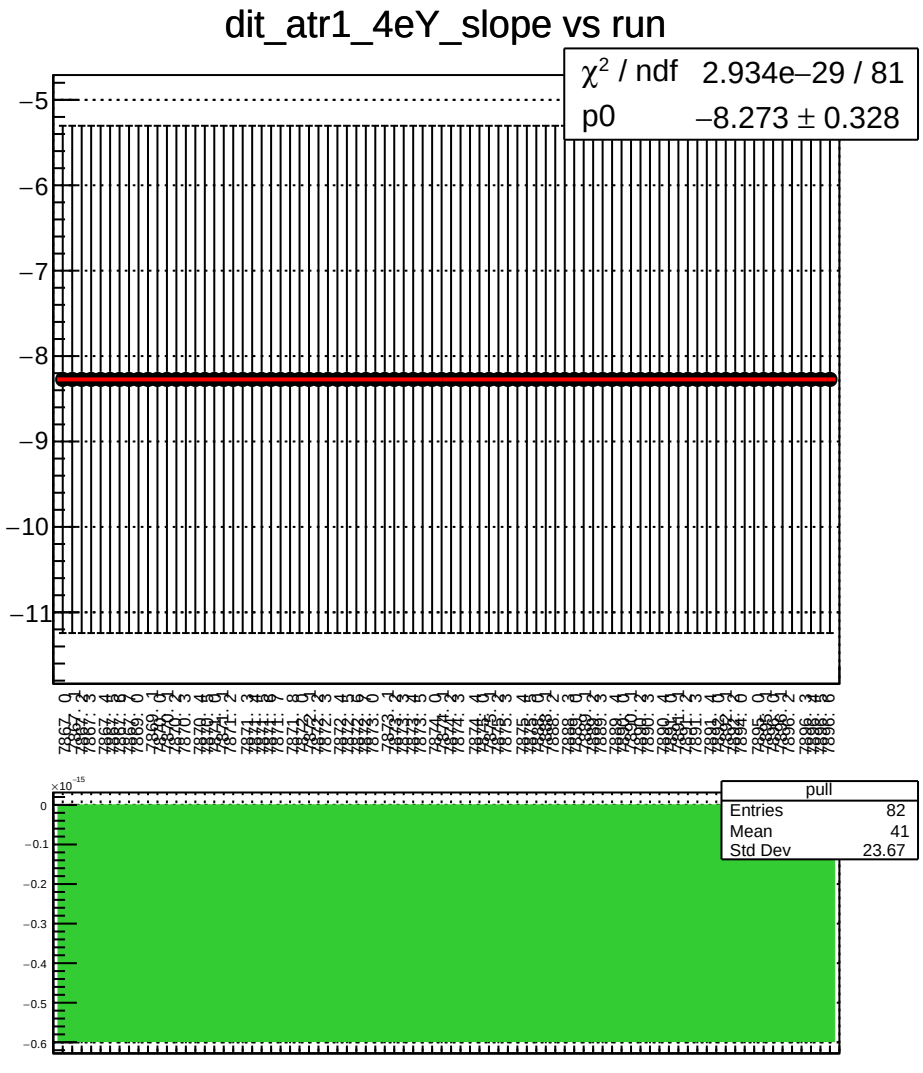

pull1D
Entries 82
Mean −2.298e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

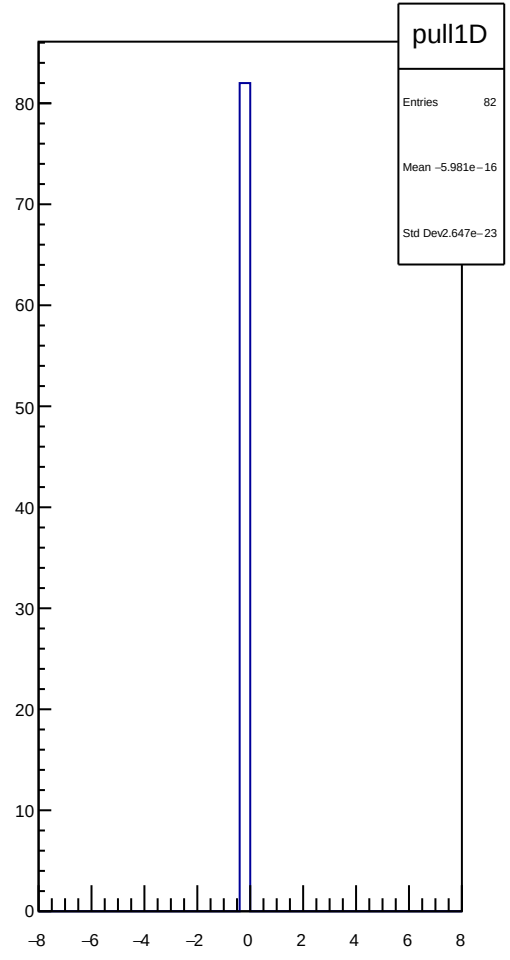

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.222e−25 / 81
p0 86.07 ± 0.422
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.206e−14
Std Dev 2.32e−21

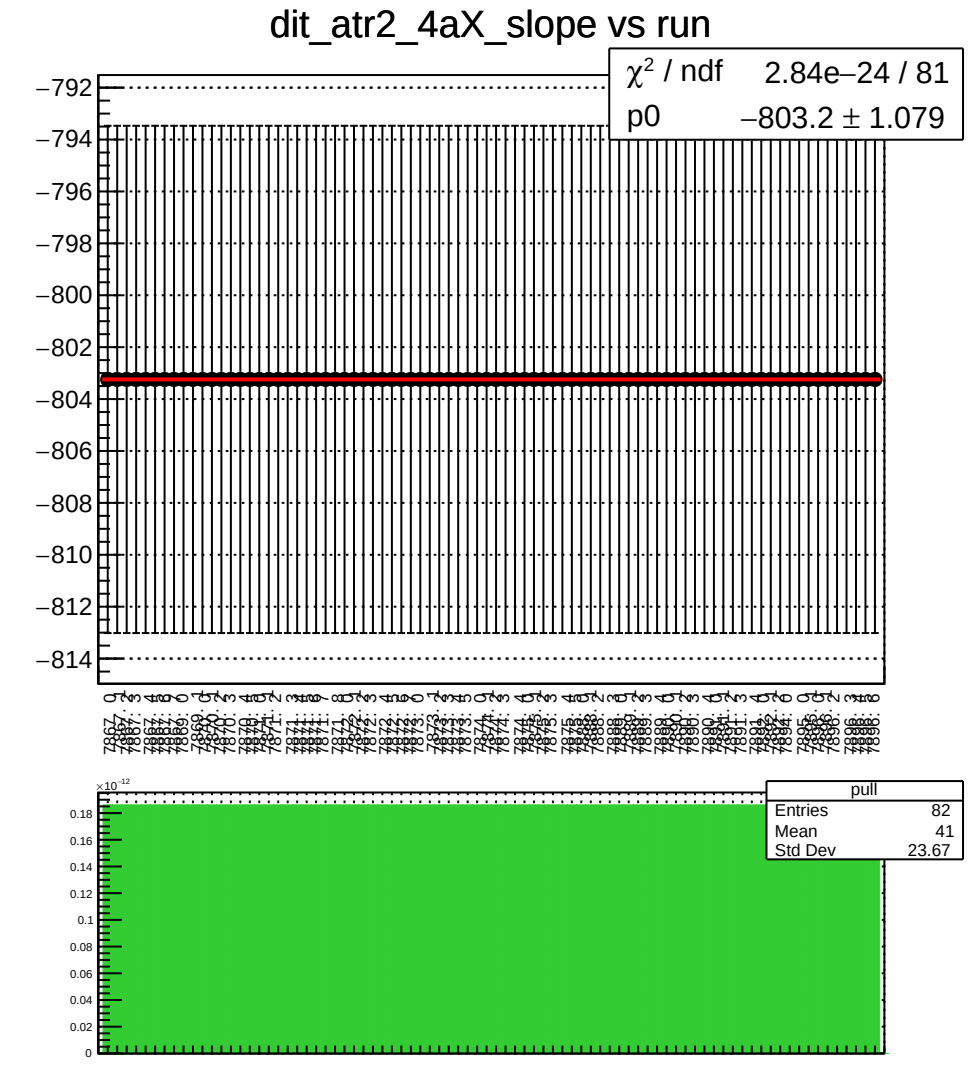

dit_atr1_11X12X_slope vs run
χ² / ndf 2.559e−26 / 81
p0 −60.76 ± 0.1777
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.767e−14
Std Dev 2.995e−22

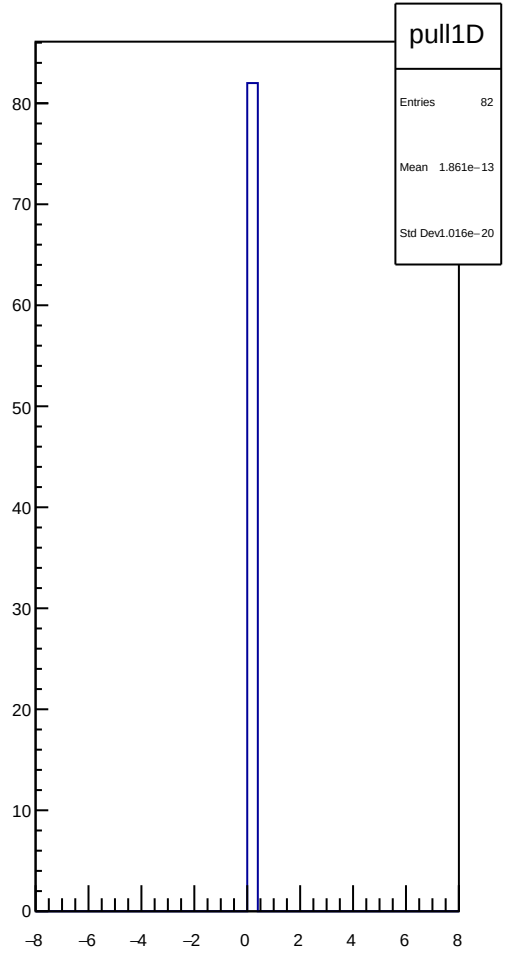

dit_atr1_4aY_slope vs run
χ^2 / ndf 5.339e−27 / 81
p0 10.52 ± 0.316
pull
Entries 82
Mean 41
Std Dev 23.67

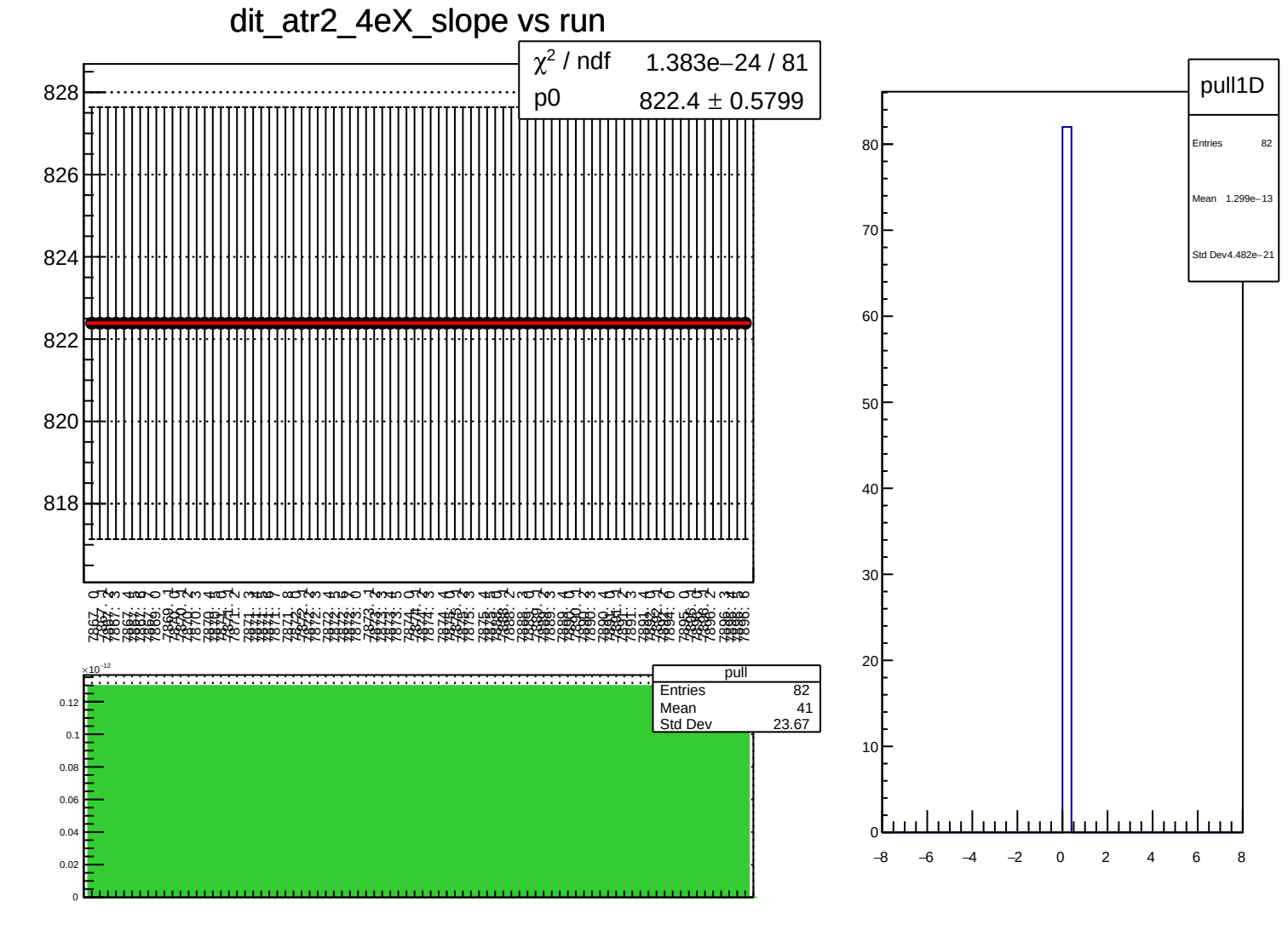

pull1D
Entries 82
Mean 8.069e−15
Std Dev1.059e−22

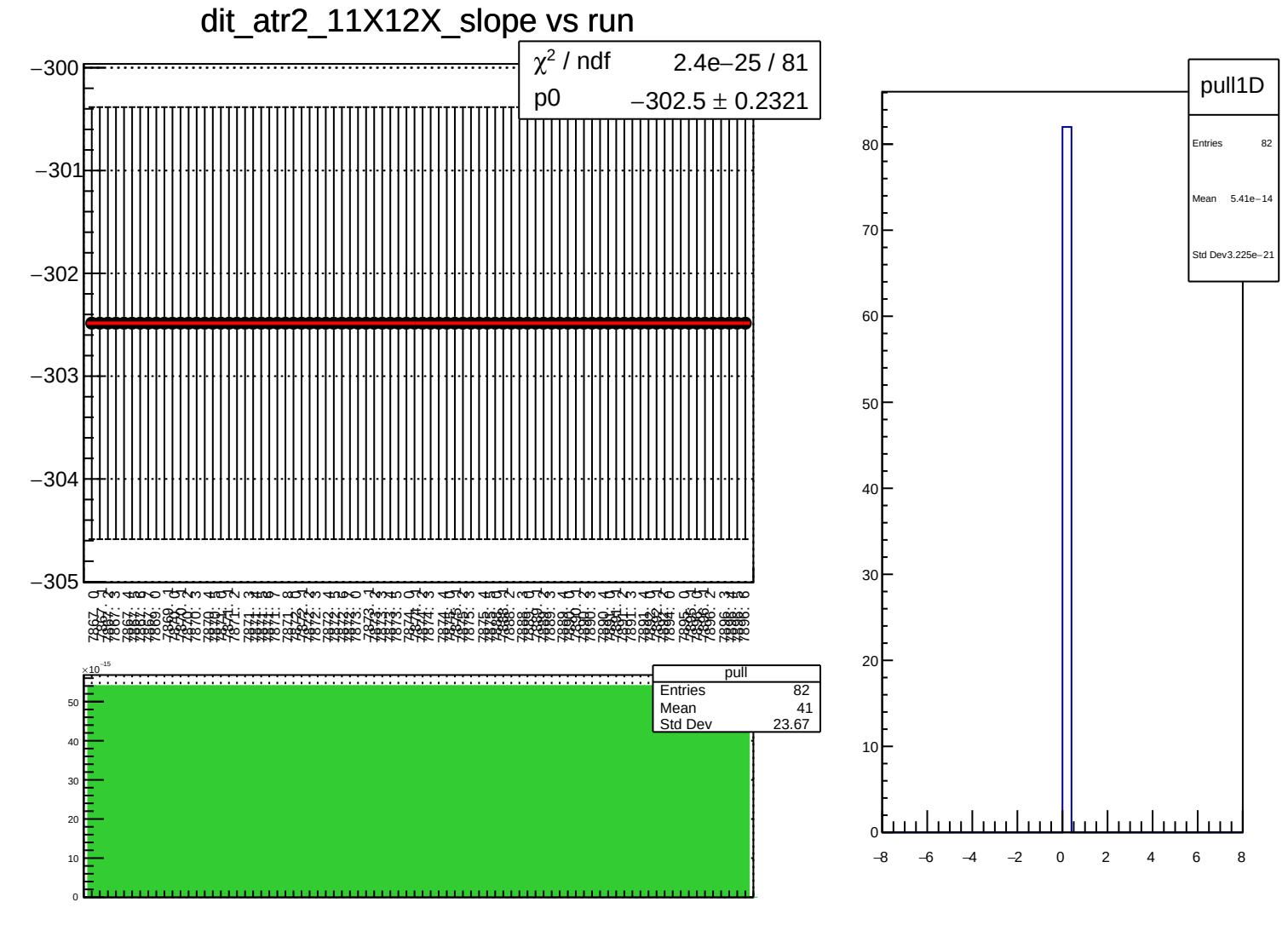

dit_atr1_4eY_slope vs run
χ² / ndf 2.934e−29 / 81
p0 −8.273 ± 0.328
−5
−6
−7
−8
−9
−10
−11
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

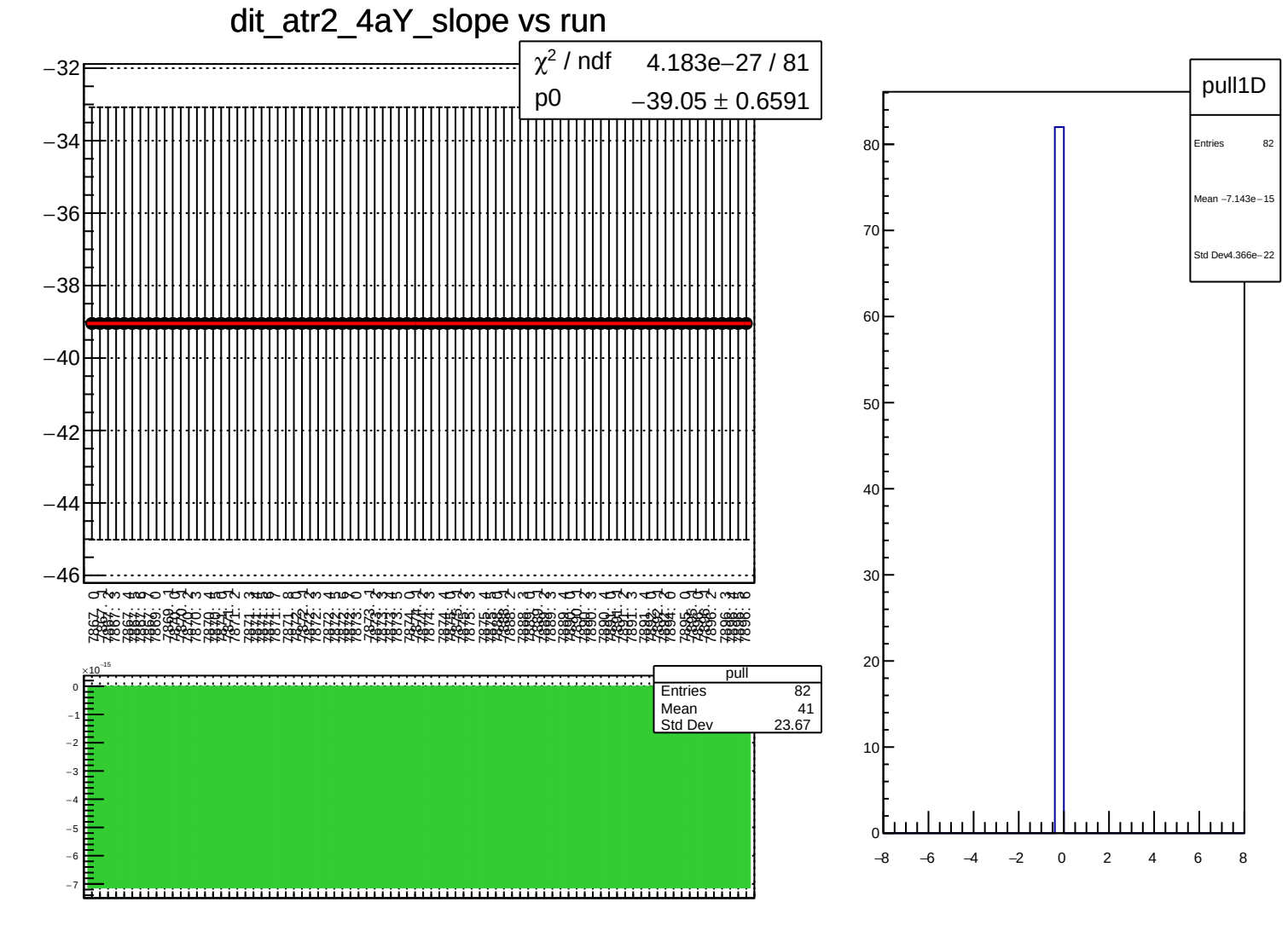

pull1D
Entries 82
Mean −5.981e−16
Std Dev 2.647e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

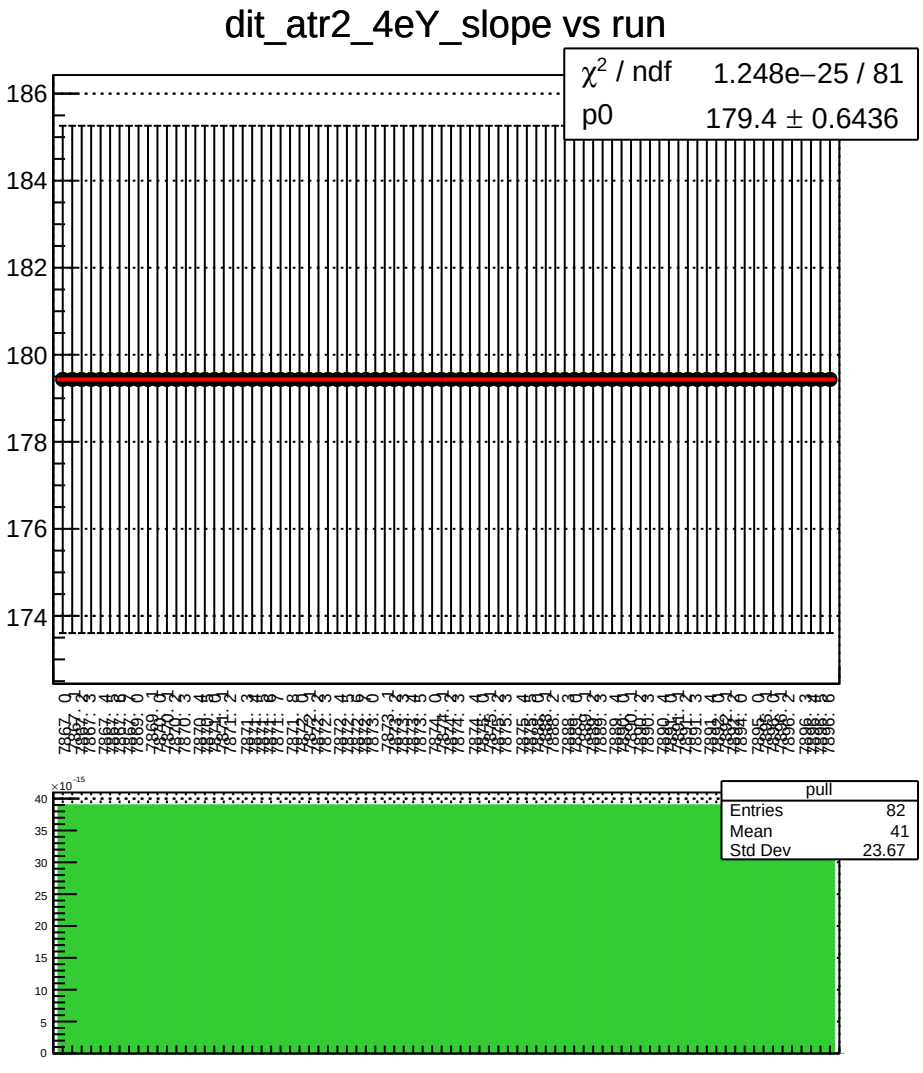

dit_atr2_4aX_slope vs run
χ² / ndf 2.84e−24 / 81
p0 −803.2 ± 1.079
−792
−794
−796
−798
−800
−802
−804
−806
−808
−810
−812
−814
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

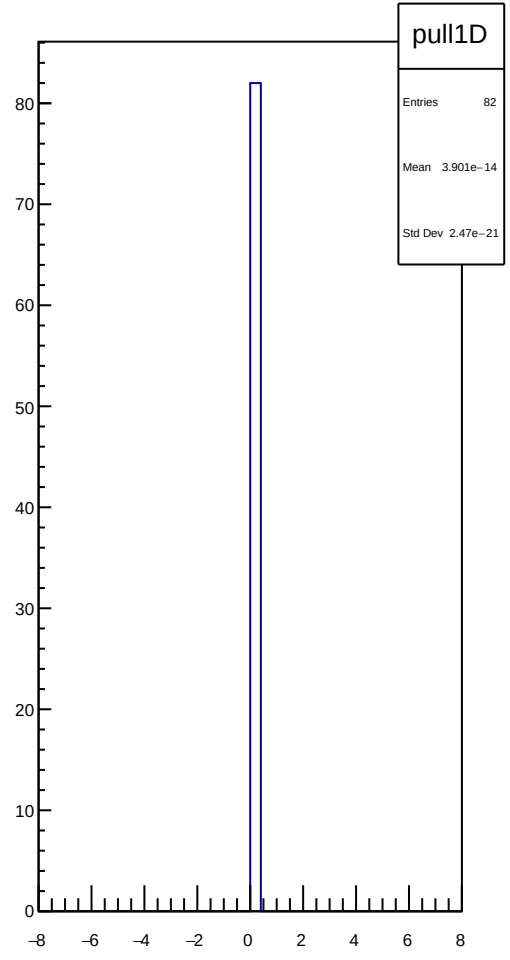

pull1D
Entries 82
Mean 1.861e−13
Std Dev1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

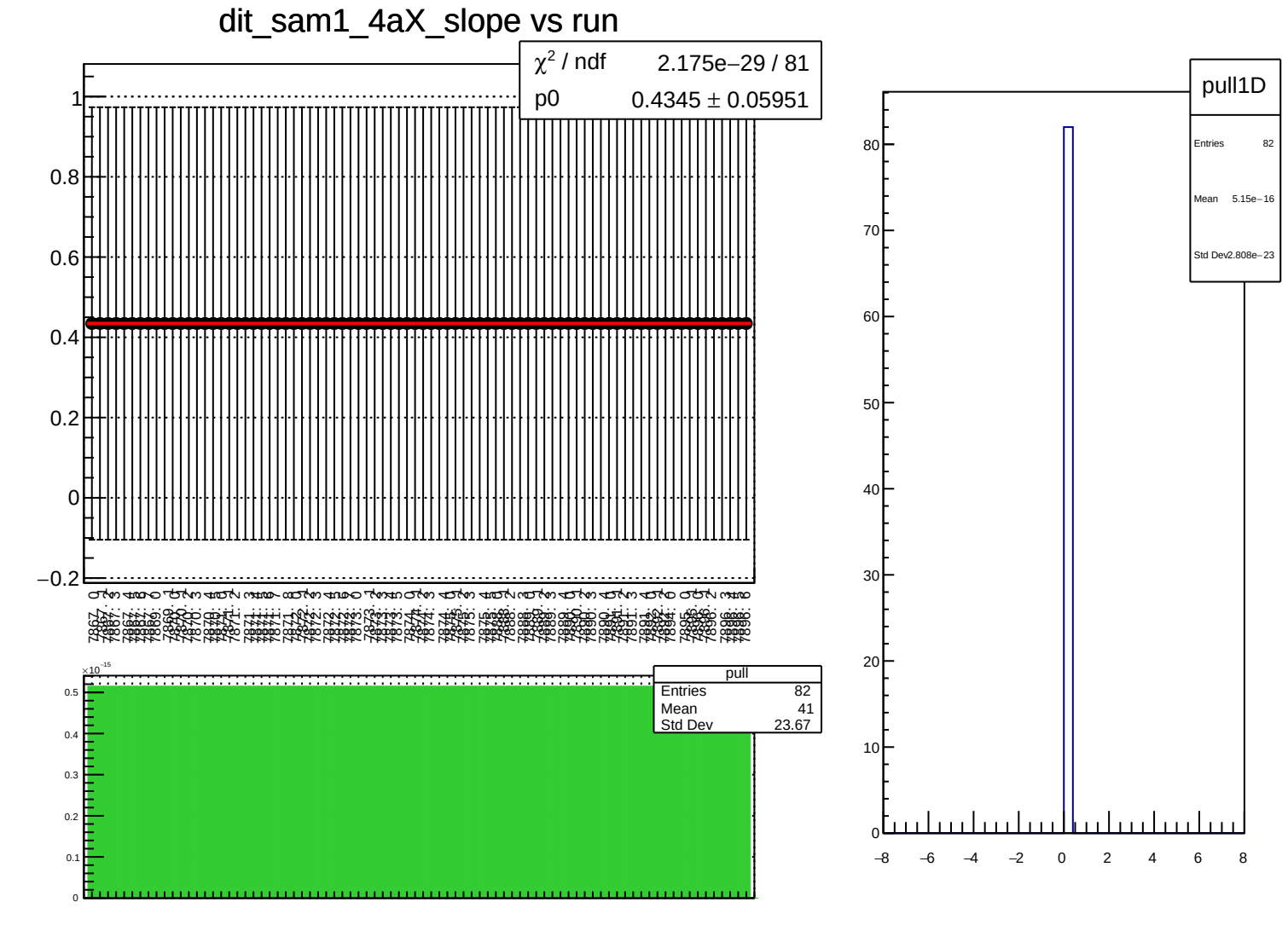

dit_atr2_4eX_slope vs run
χ² / ndf 1.383e−24 / 81
p0 822.4 ± 0.5799
828
826
824
822
820
818
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 82
Mean 1.299e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

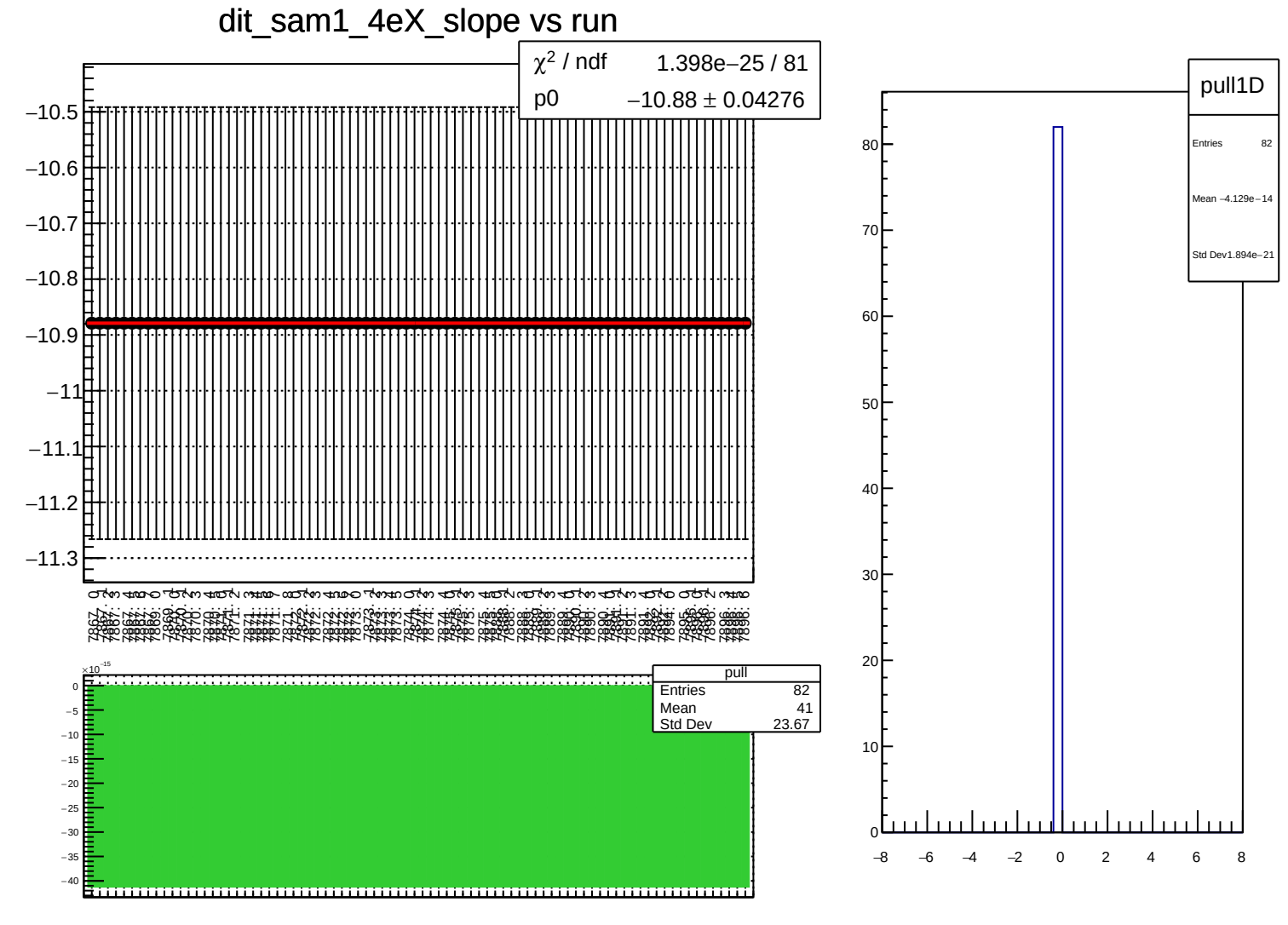

dit_atr2_11X12X_slope vs run
χ² / ndf 2.4e−25 / 81
p0 −302.5 ± 0.2321
−300
−301
−302
−303
−304
−305
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.41e−14
Std Dev3.225e−21

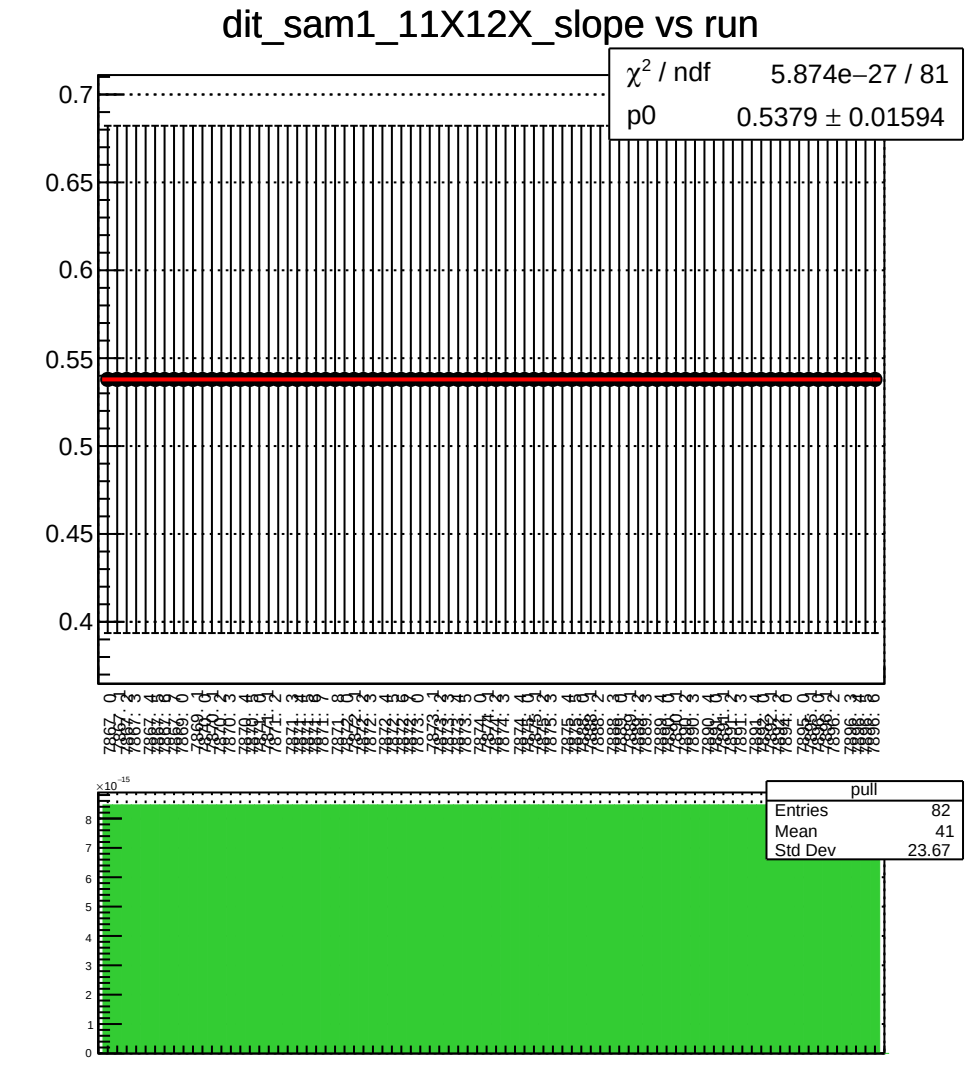

dit_atr2_4aY_slope vs run
χ² / ndf 4.183e−27 / 81
p0 −39.05 ± 0.6591
−32
−34
−36
−38
−40
−42
−44
−46
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 82
Mean −7.143e−15
Std Dev4.366e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

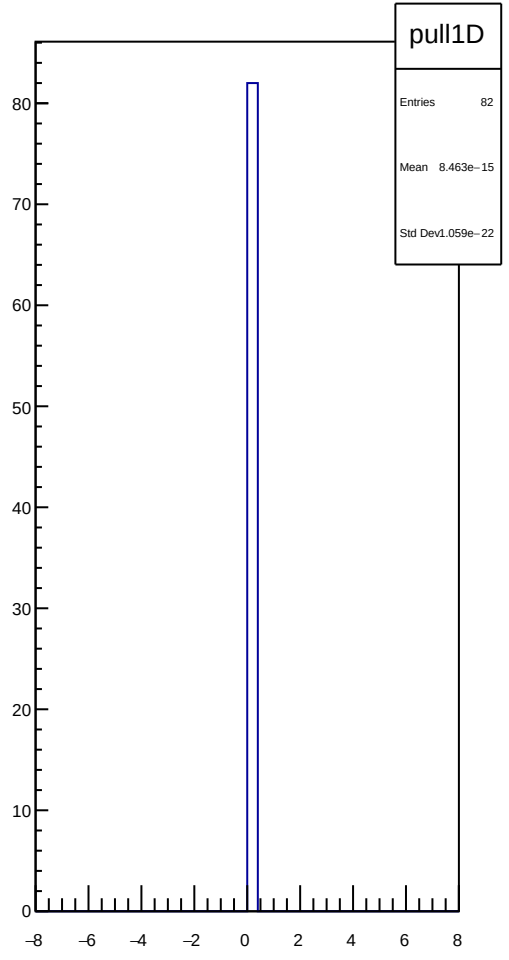

dit_atr2_4eY_slope vs run
χ² / ndf 1.248e−25 / 81
p0 179.4 ± 0.6436
186
184
182
180
178
176
174
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

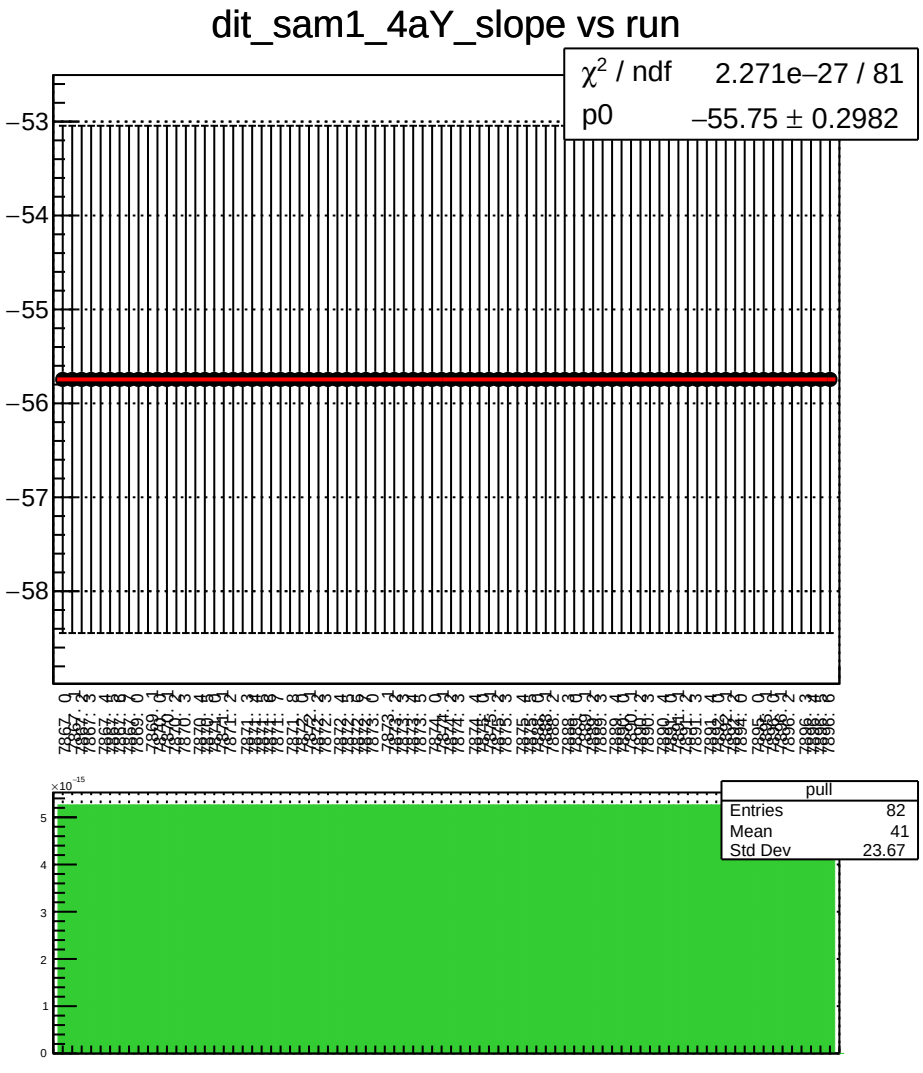

pull1D
Entries 82
Mean 3.901e−14
Std Dev 2.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

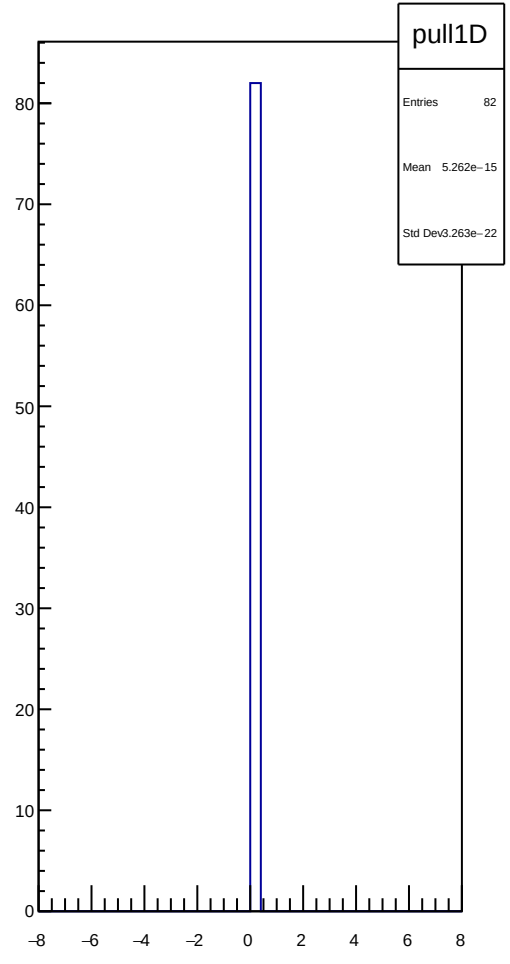

dit_sam1_4aX_slope vs run
χ² / ndf 2.175e−29 / 81
p0 0.4345 ± 0.05951
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.15e−16
Std Dev 2.808e−23

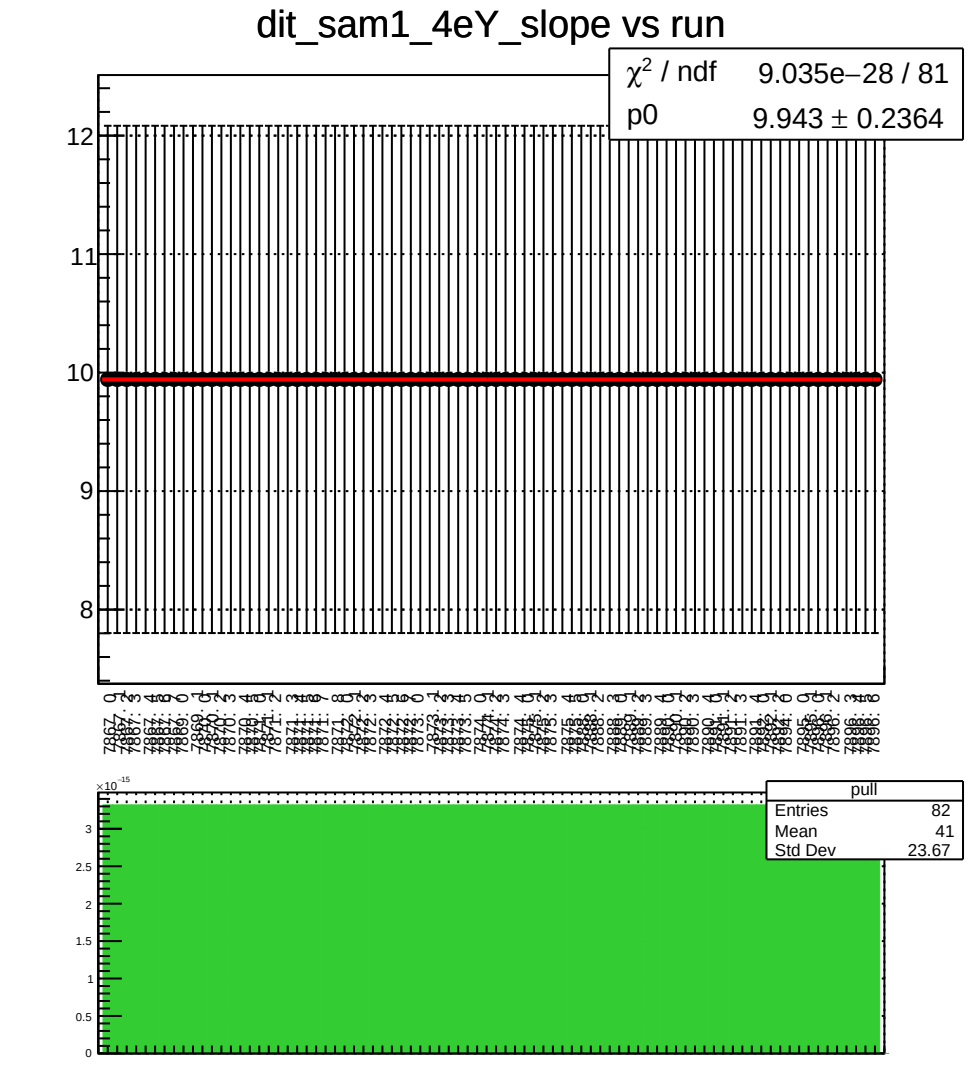

dit_sam1_4eX_slope vs run
χ² / ndf 1.398e−25 / 81
p0 −10.88 ± 0.04276
−10.5
−10.6
−10.7
−10.8
−10.9
−11
−11.1
−11.2
−11.3
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 82
Mean −4.129e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

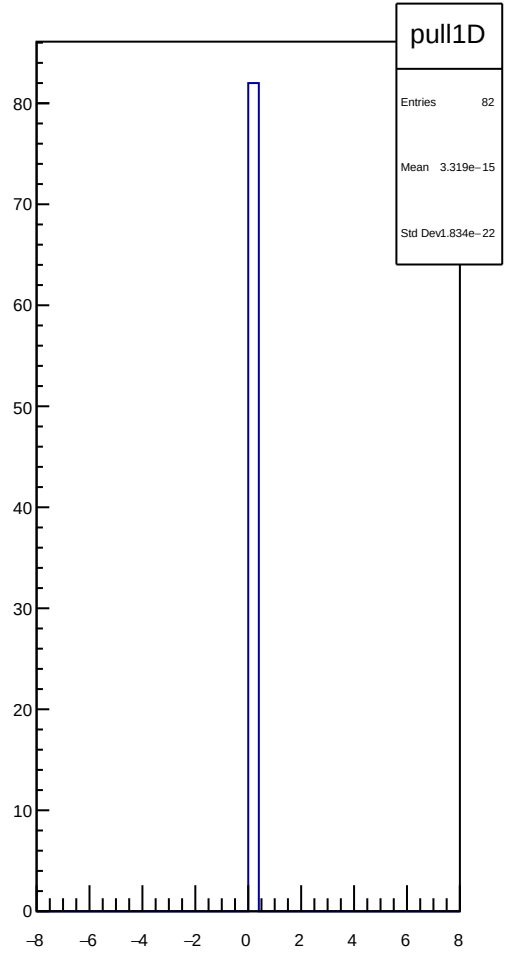

dit_sam1_11X12X_slope vs run
χ² / ndf 5.874e−27 / 81
p0 0.5379 ± 0.01594
pull
Entries 82
Mean 41
Std Dev 23.67

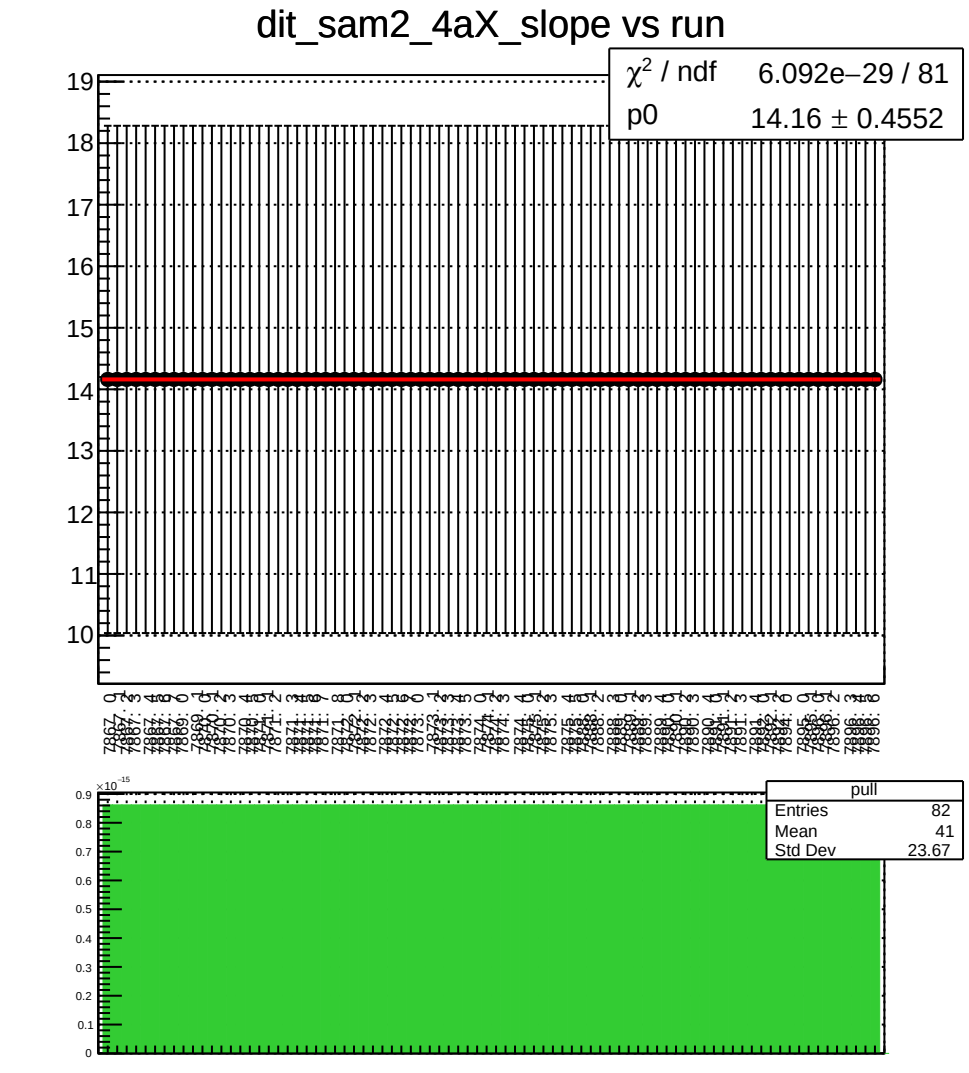

pull1D
Entries 82
Mean 8.463e−15
Std Dev1.059e−22

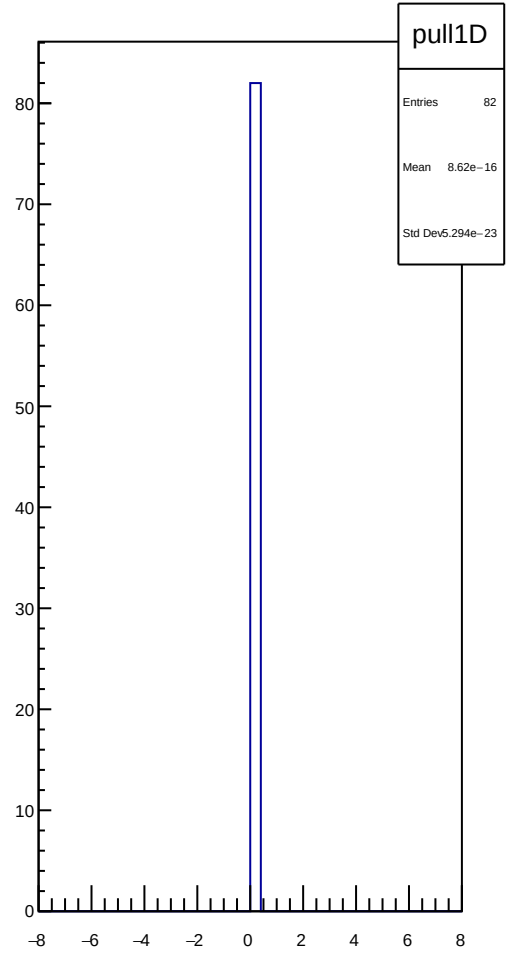

dit_sam1_4aY_slope vs run
χ² / ndf 2.271e−27 / 81
p0 −55.75 ± 0.2982
−53
−54
−55
−56
−57
−58
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
5
4
3
2
1
0

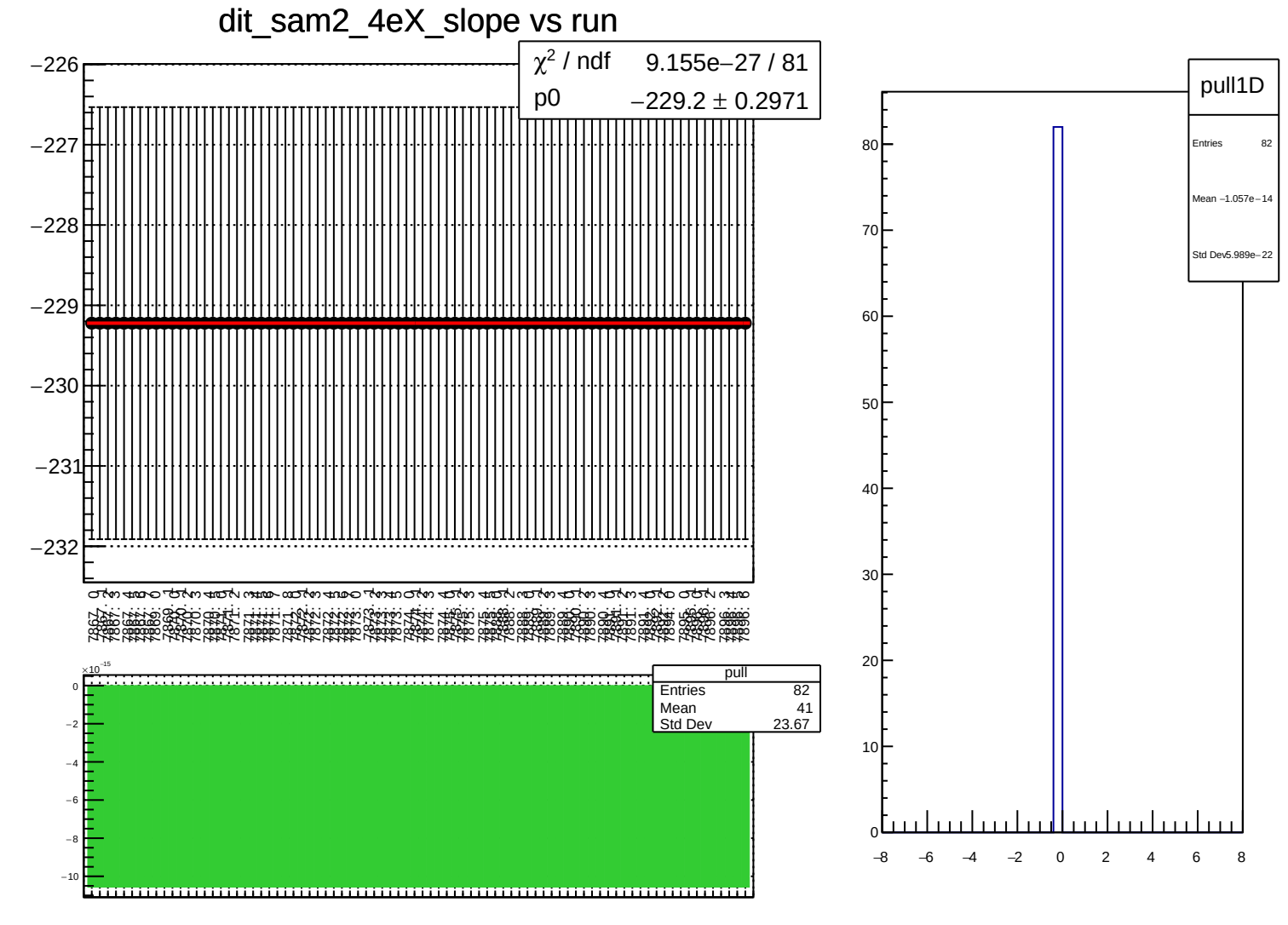

pull1D
Entries 82
Mean 5.262e−15
Std Dev 3.263e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

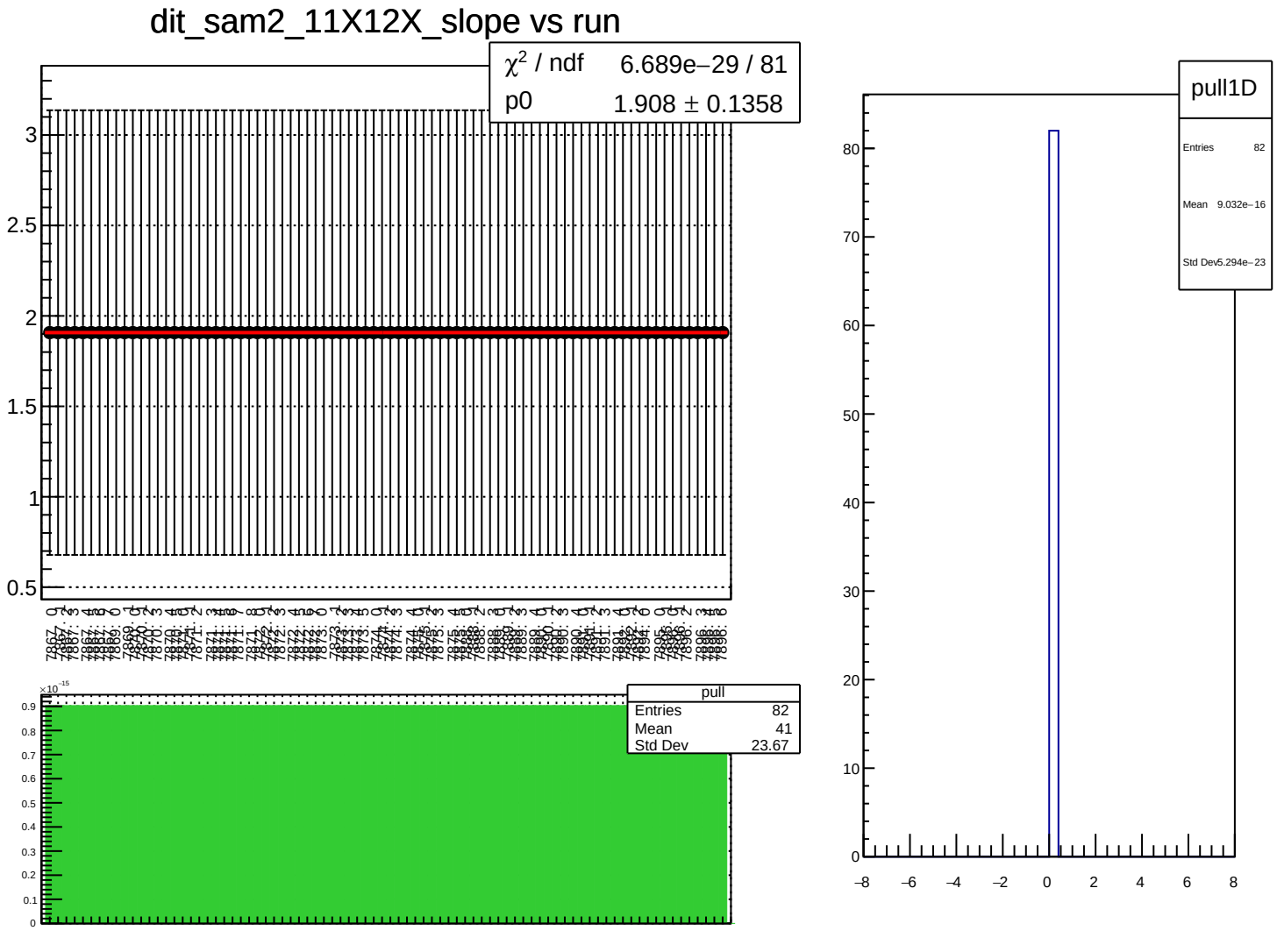

dit_sam1_4eY_slope vs run
χ² / ndf 9.035e−28 / 81
p0 9.943 ± 0.2364
pull
Entries 82
Mean 41
Std Dev 23.67

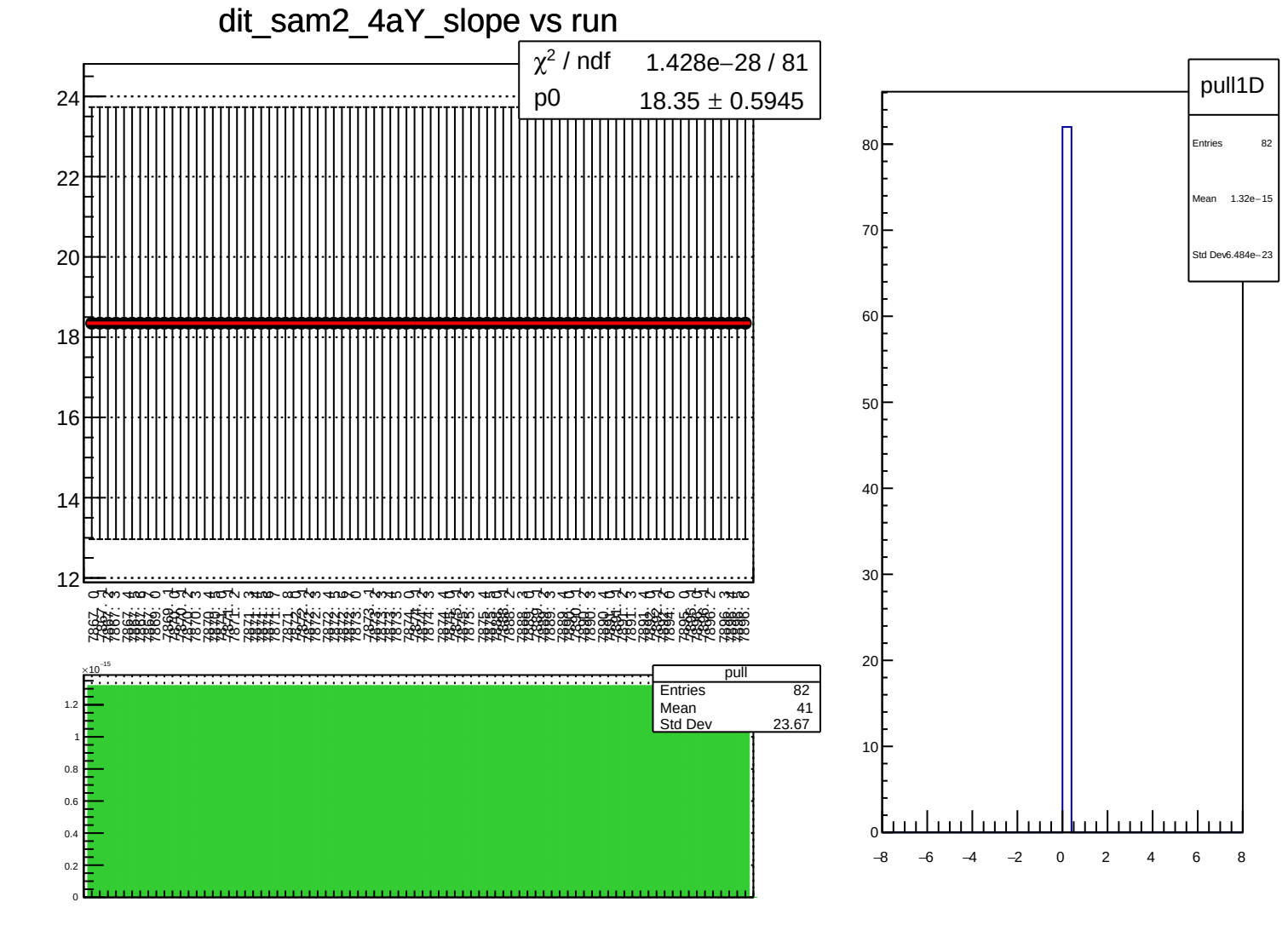

pull1D
Entries 82
Mean 3.319e−15
Std Dev1.834e−22

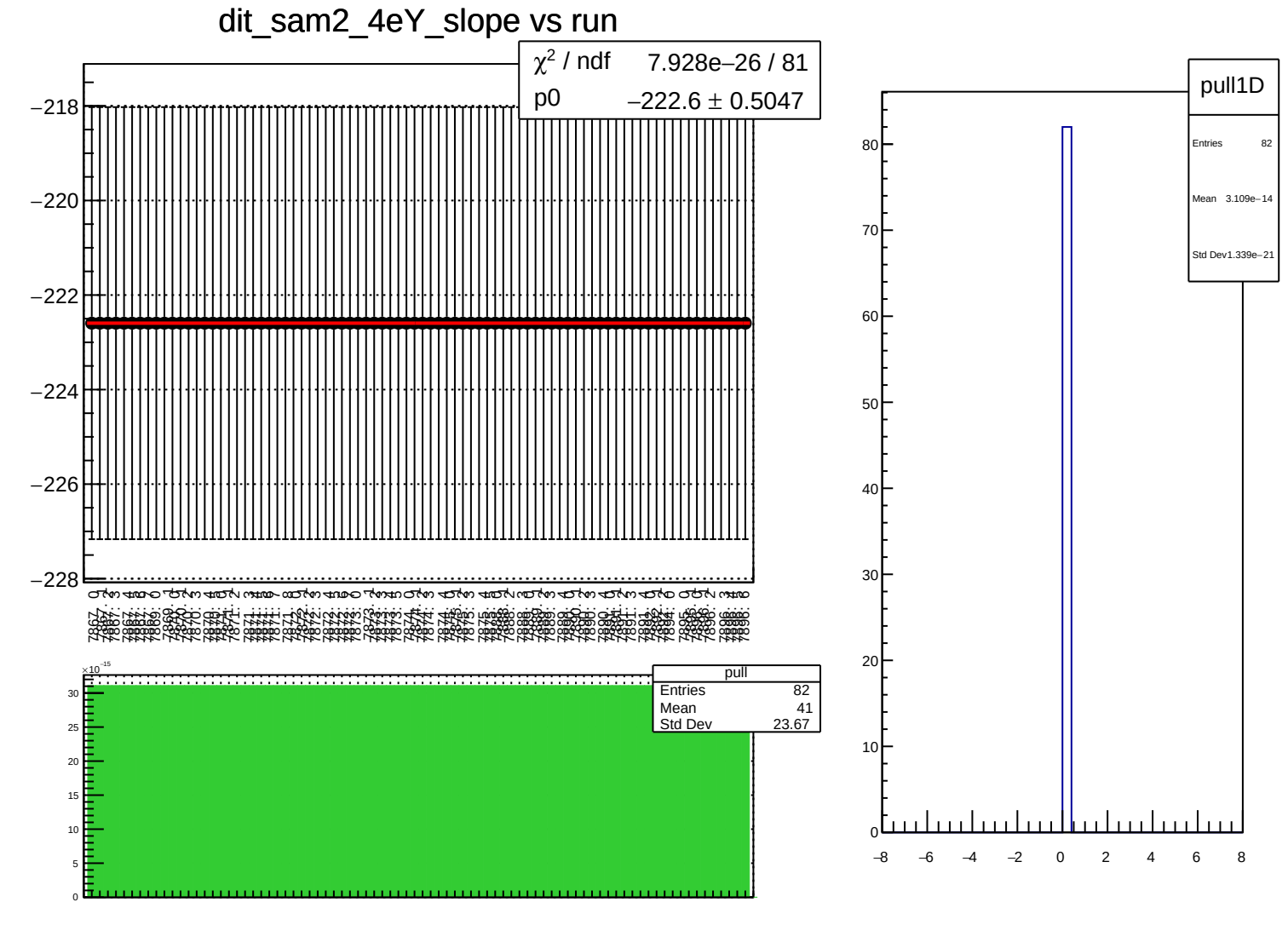

dit_sam2_4aX_slope vs run
χ² / ndf 6.092e−29 / 81
p0 14.16 ± 0.4552
pull
Entries 82
Mean 41
Std Dev 23.67

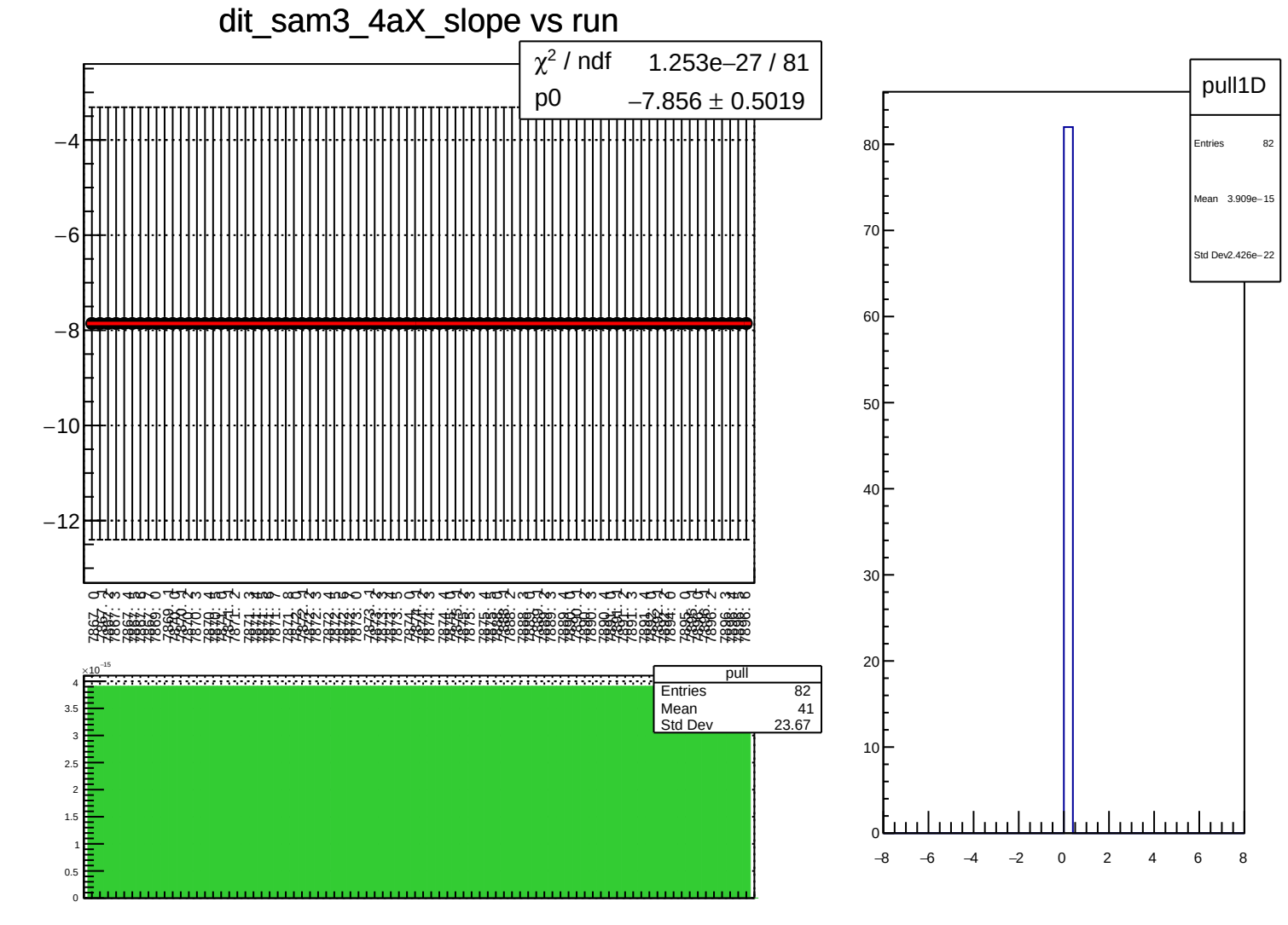

pull1D
Entries 82
Mean 8.62e−16
Std Dev 5.294e−23

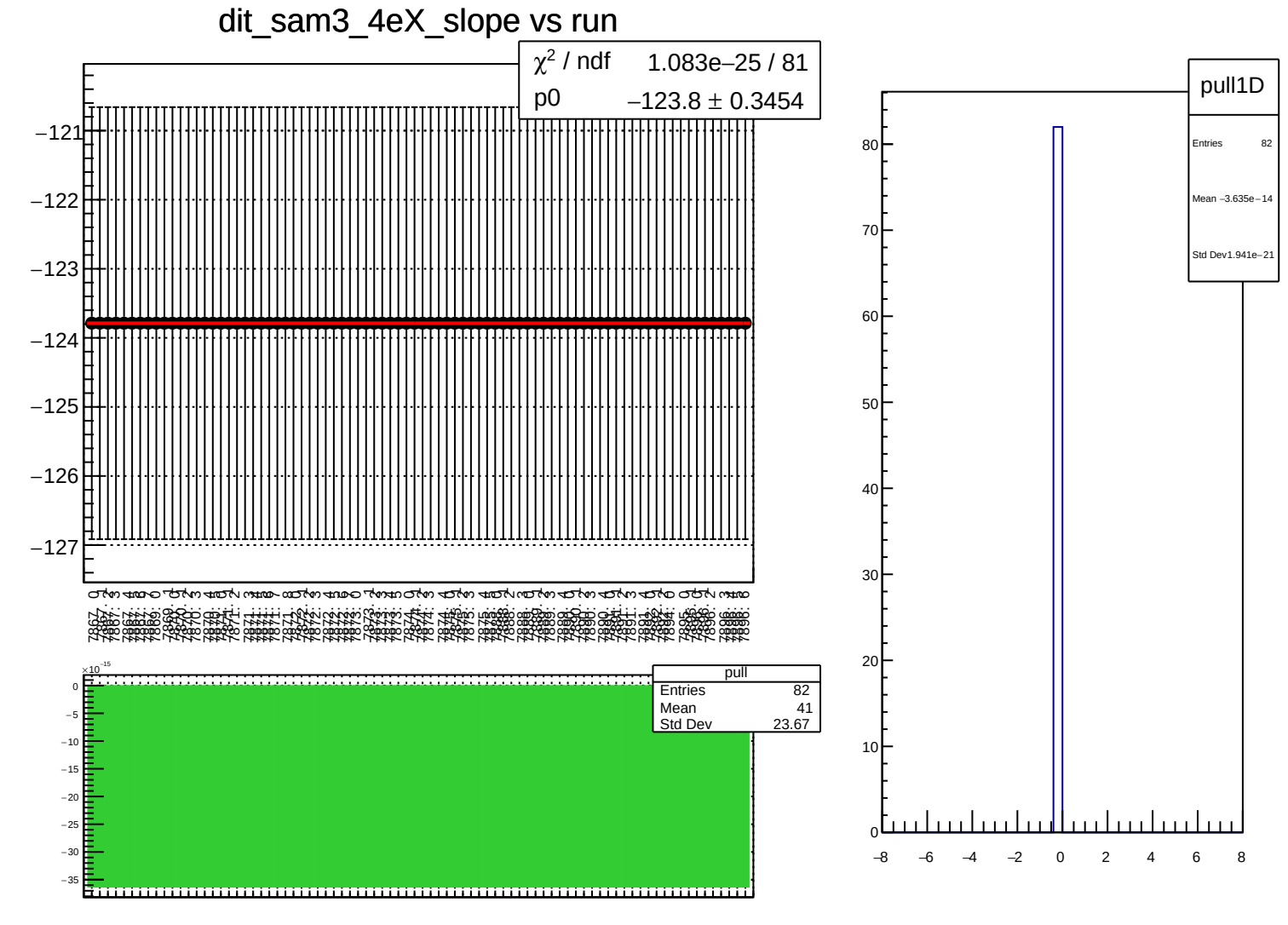

dit_sam2_4eX_slope vs run
χ² / ndf 9.155e−27 / 81
p0 −229.2 ± 0.2971
−226
−227
−228
−229
−230
−231
−232
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 82
Mean −1.057e−14
Std Dev5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

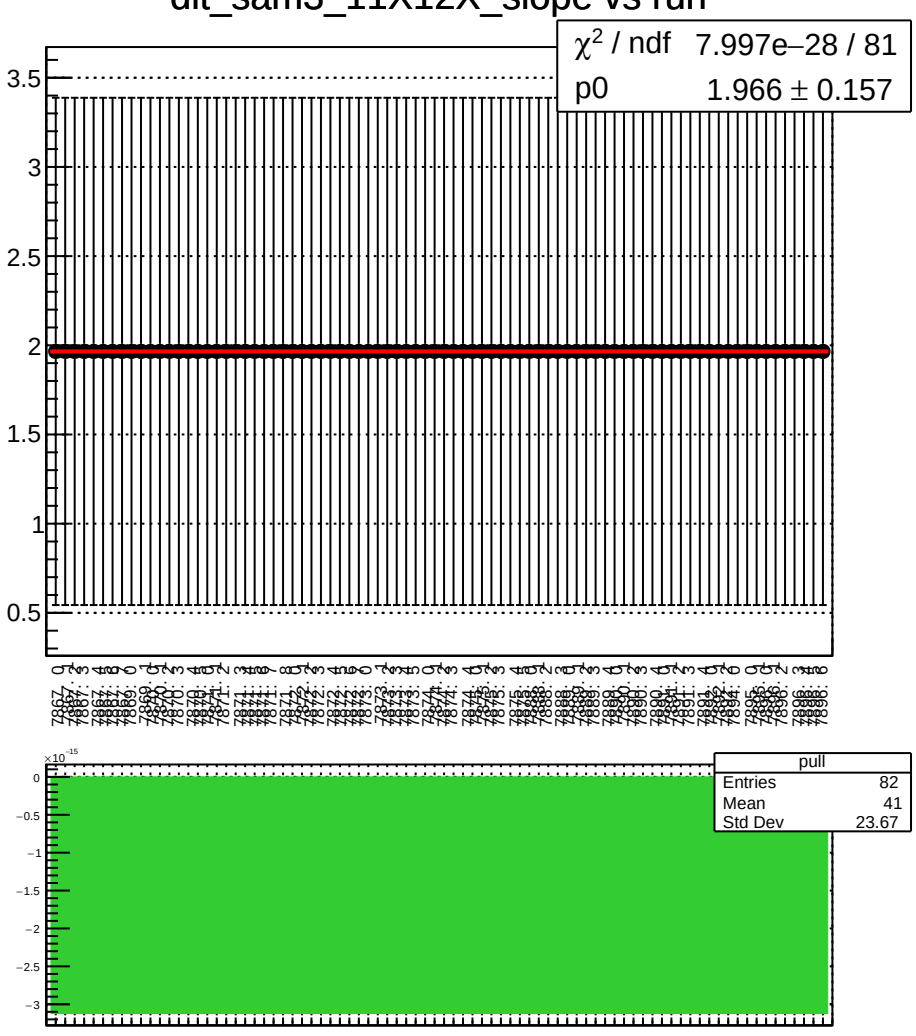

dit_sam2_11X12X_slope vs run
χ² / ndf 6.689e−29 / 81
p0 1.908 ± 0.1358
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 9.032e−16
Std Dev5.294e−23

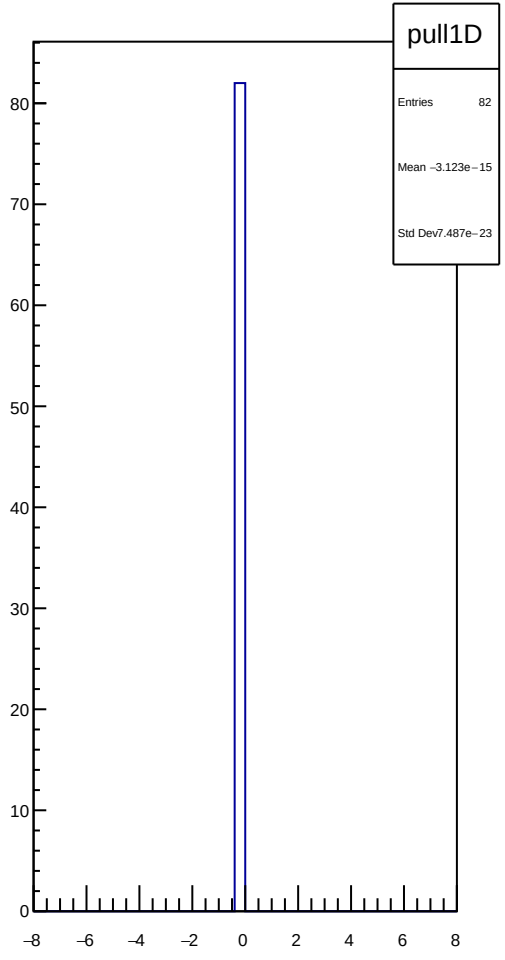

dit_sam2_4aY_slope vs run
χ² / ndf 1.428e−28 / 81
p0 18.35 ± 0.5945
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.32e−15
Std Dev 6.484e−23

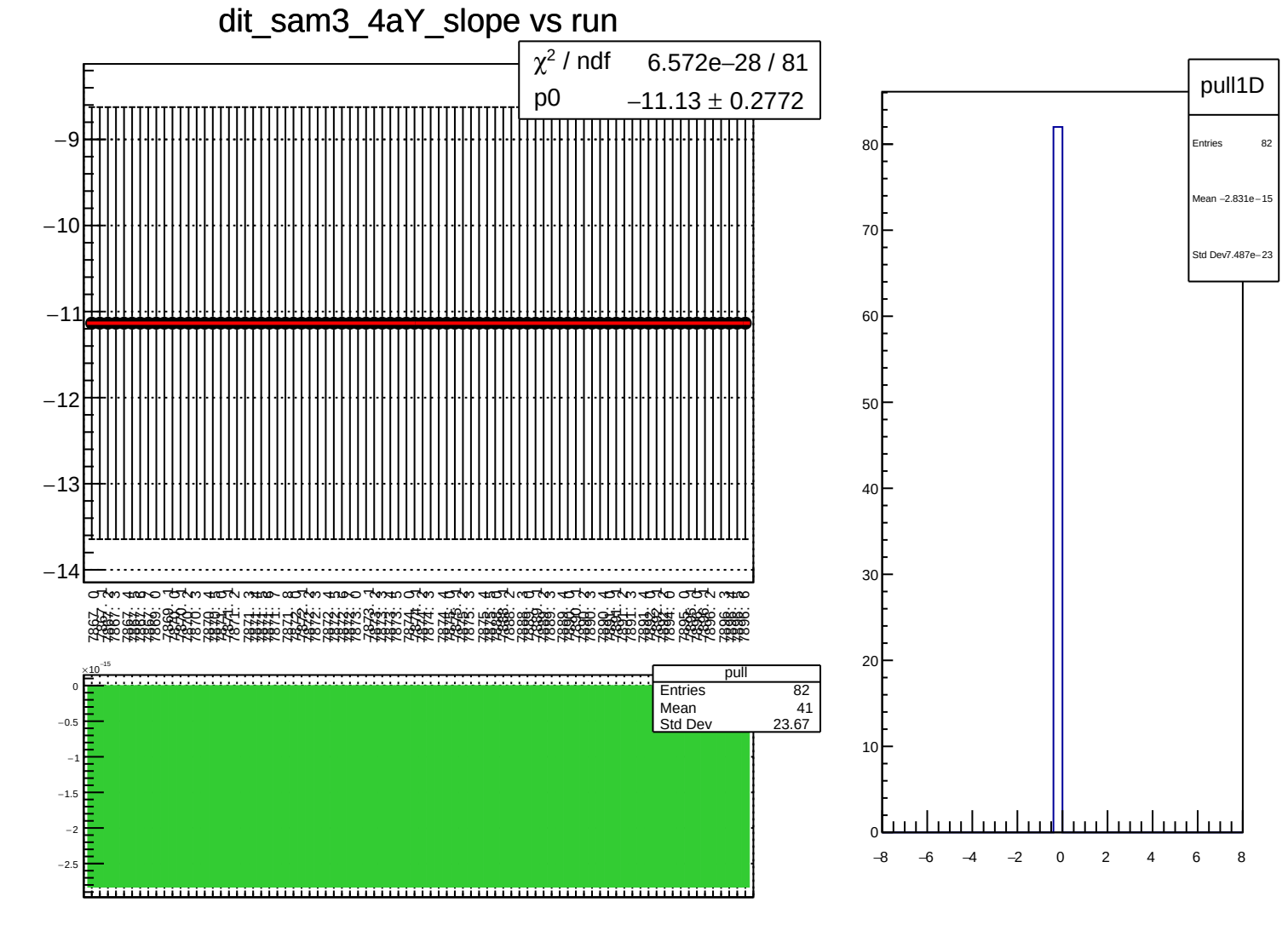

dit_sam2_4eY_slope vs run
χ² / ndf 7.928e−26 / 81
p0 −222.6 ± 0.5047
−218
−220
−222
−224
−226
−228
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.109e−14
Std Dev1.339e−21

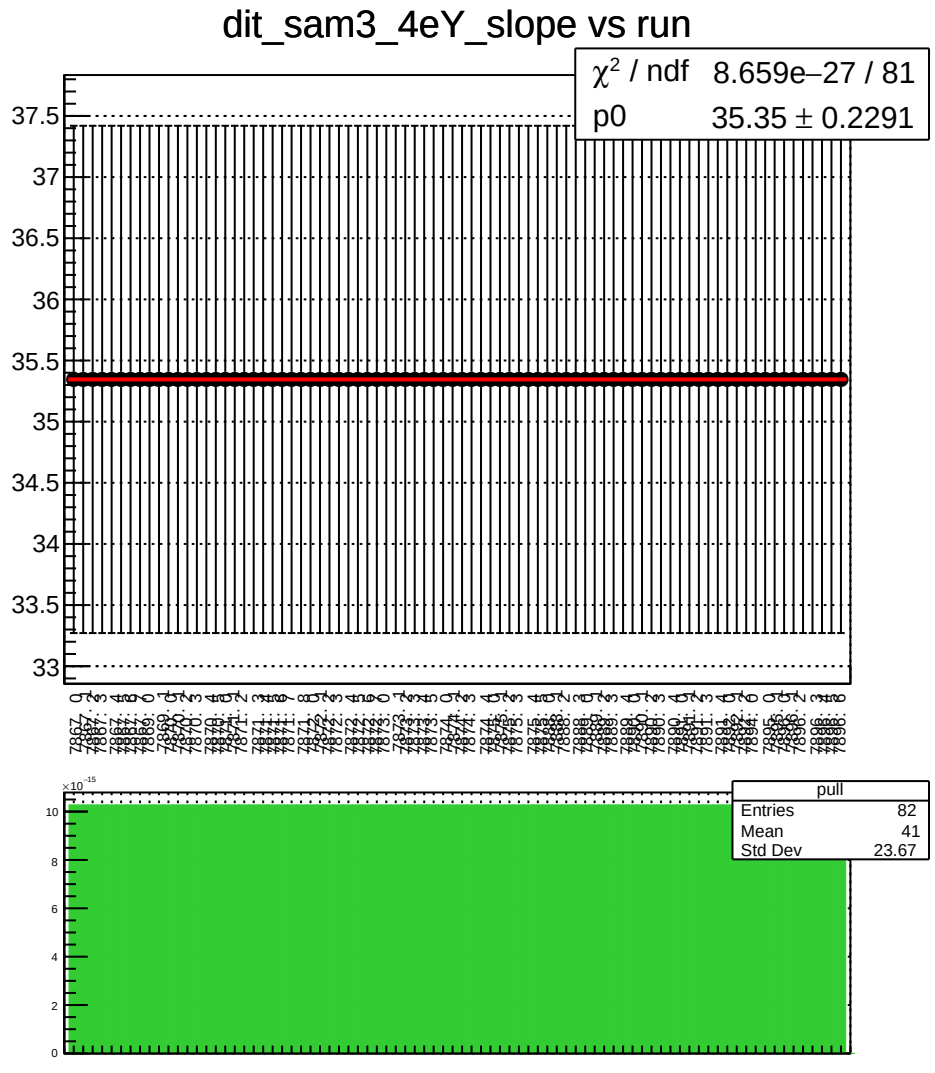

dit_sam3_4aX_slope vs run
χ² / ndf 1.253e−27 / 81
p0 −7.856 ± 0.5019
−4
−6
−8
−10
−12
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 3.909e−15
Std Dev2.426e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

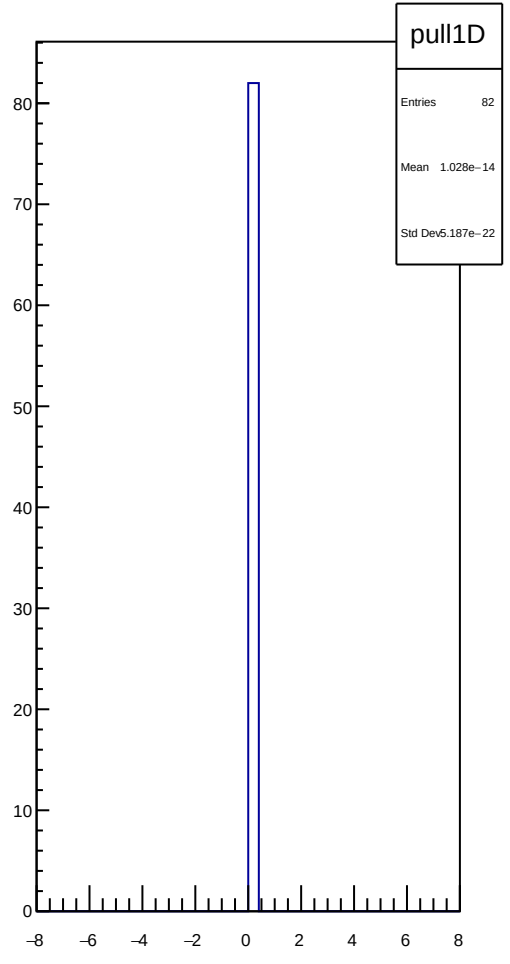

dit_sam3_4eX_slope vs run
χ² / ndf 1.083e−25 / 81
p0 −123.8 ± 0.3454
−121
−122
−123
−124
−125
−126
−127
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 82
Mean −3.635e−14
Std Dev1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

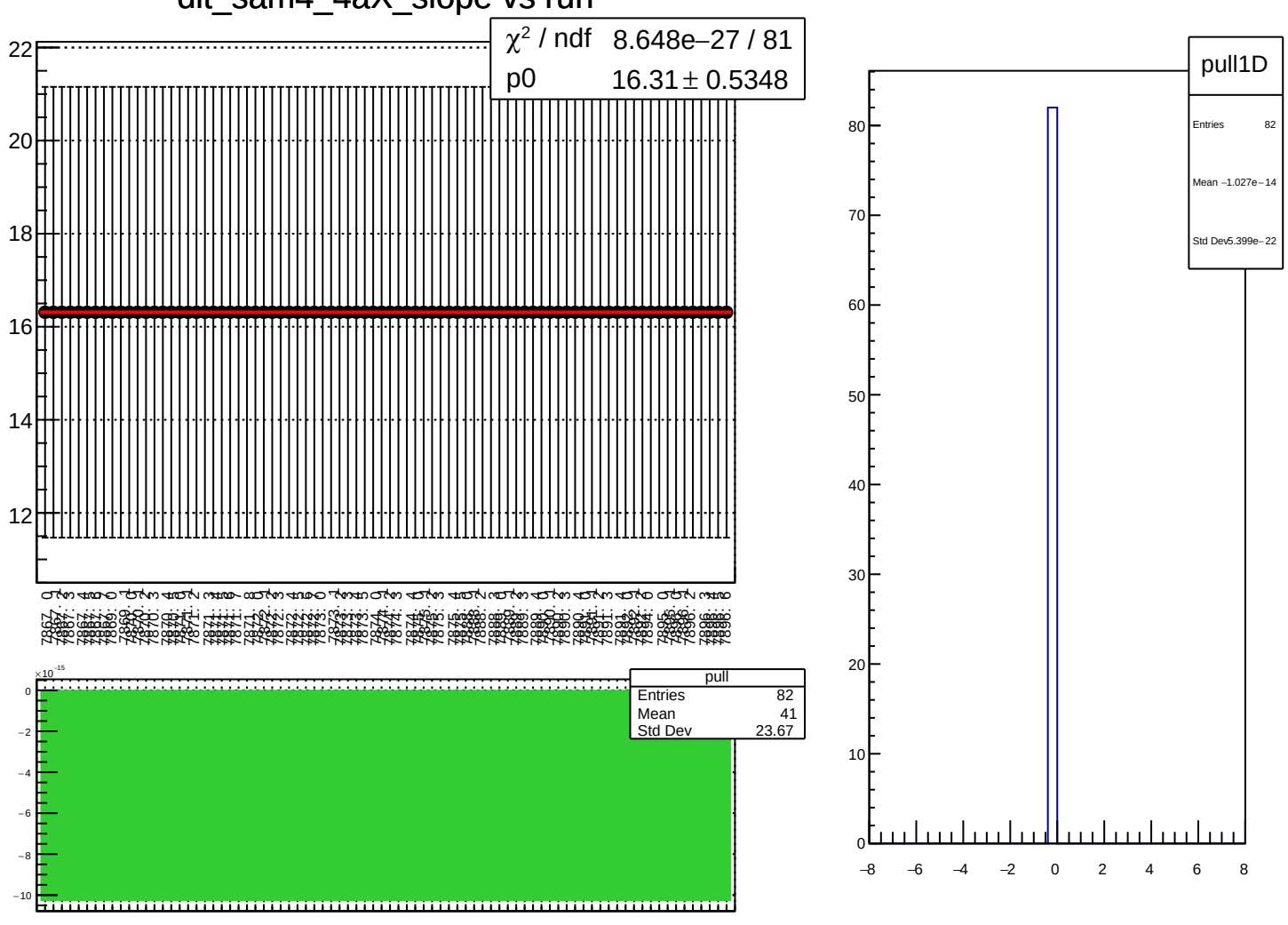

dit_sam3_11X12X_slope vs run
χ² / ndf 7.997e−28 / 81
p0 1.966 ± 0.157
pull
Entries 82
Mean 41
Std Dev 23.67

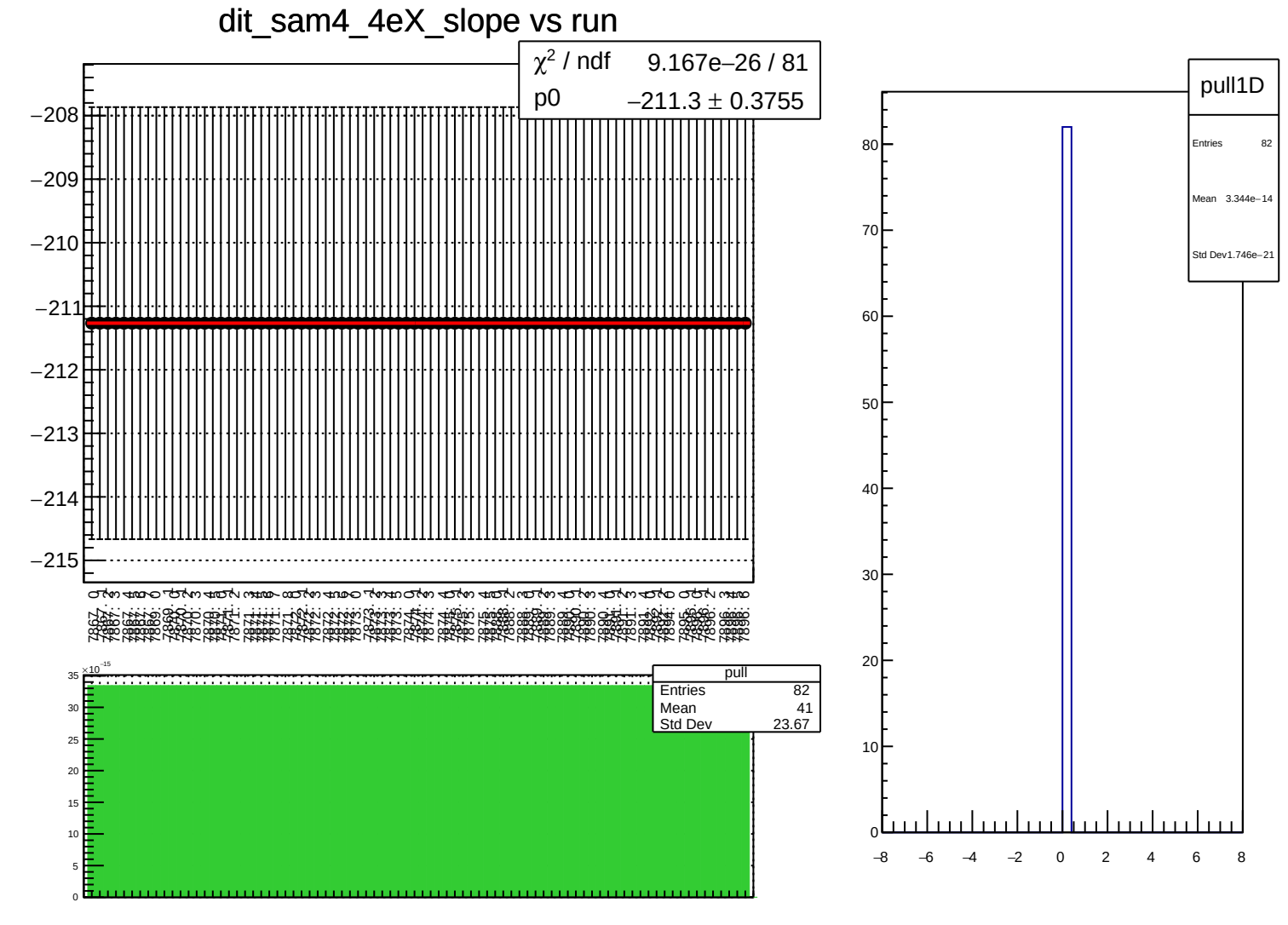

pull1D
Entries 82
Mean −3.123e−15
Std Dev7.487e−23

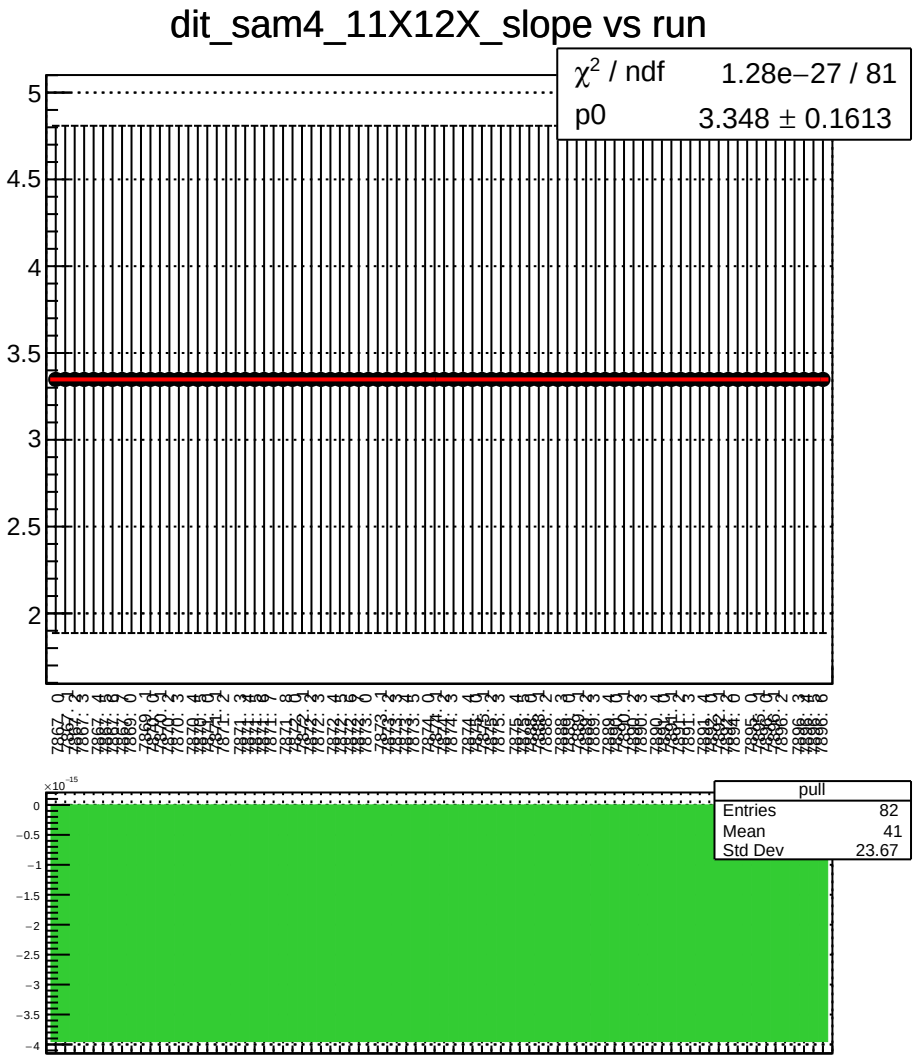

dit_sam3_4aY_slope vs run
χ² / ndf 6.572e−28 / 81
p0 −11.13 ± 0.2772
−9
−10
−11
−12
−13
−14
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −2.831e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

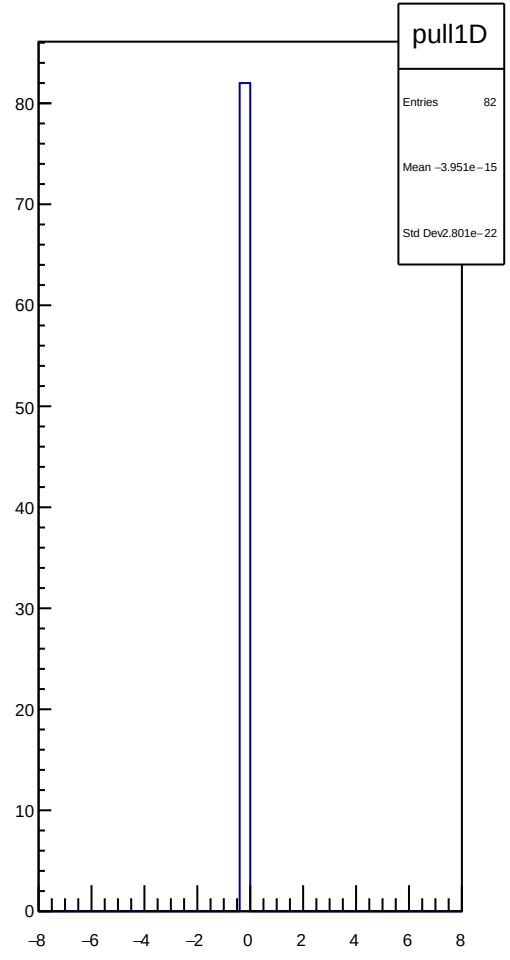

dit_sam3_4eY_slope vs run
χ² / ndf 8.659e−27 / 81
p0 35.35 ± 0.2291
pull
Entries 82
Mean 41
Std Dev 23.67

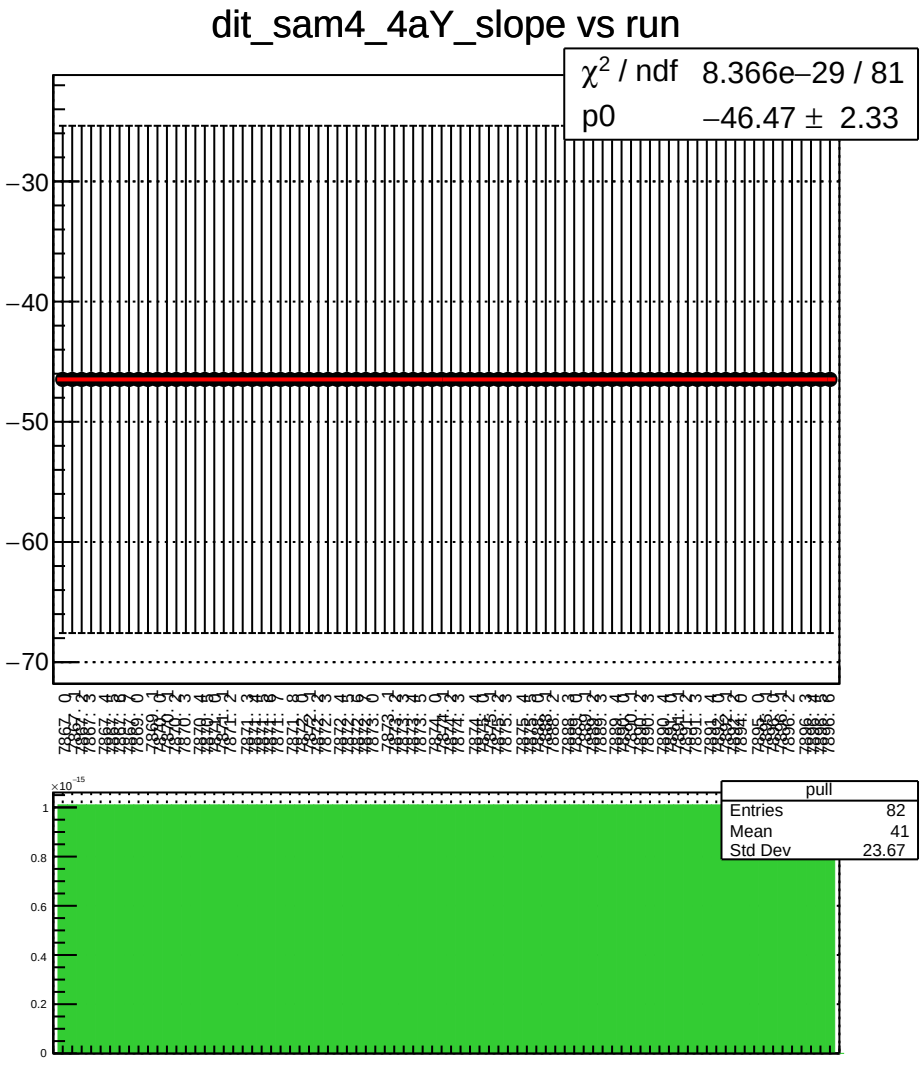

pull1D
Entries 82
Mean 1.028e−14
Std Dev5.187e−22

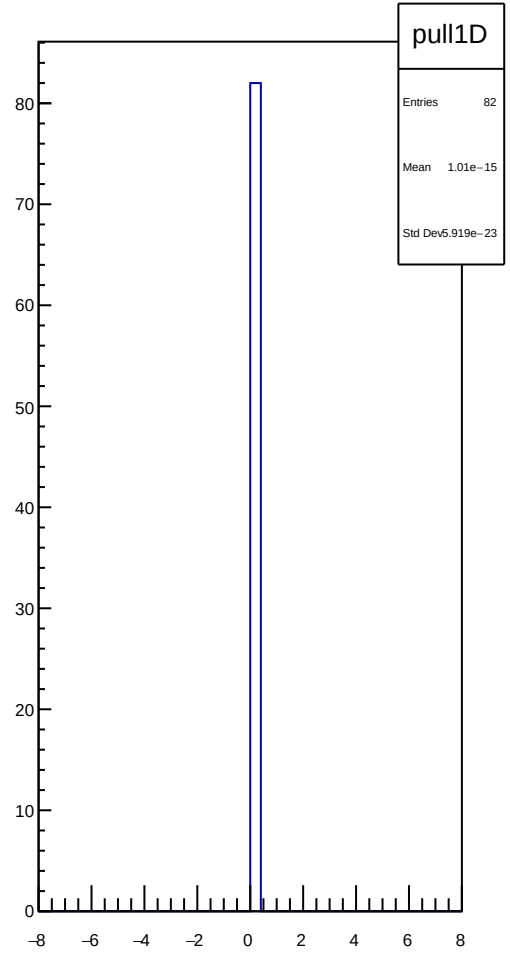

dit_sam4_4aX_slope vs run
χ² / ndf 8.648e−27 / 81
p0 16.31 ± 0.5348
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.027e−14
Std Dev 5.399e−22

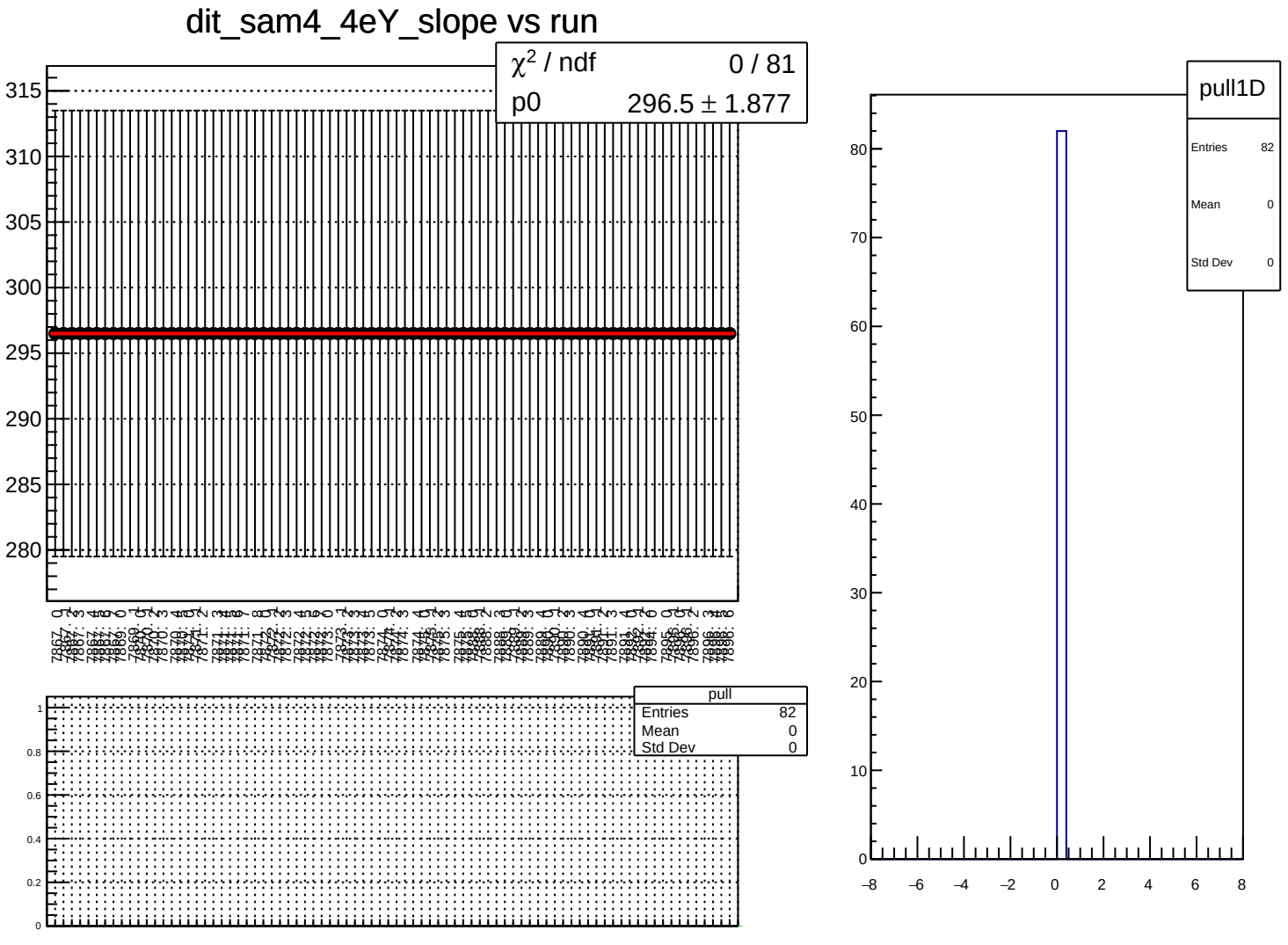

dit_sam4_4eX_slope vs run
χ^2 / ndf 9.167e−26 / 81
p0 −211.3 ± 0.3755
−208
−209
−210
−211
−212
−213
−214
−215
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
35
30
25
20
15
10
5
0
pull1D
Entries 82
Mean 3.344e−14
Std Dev1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

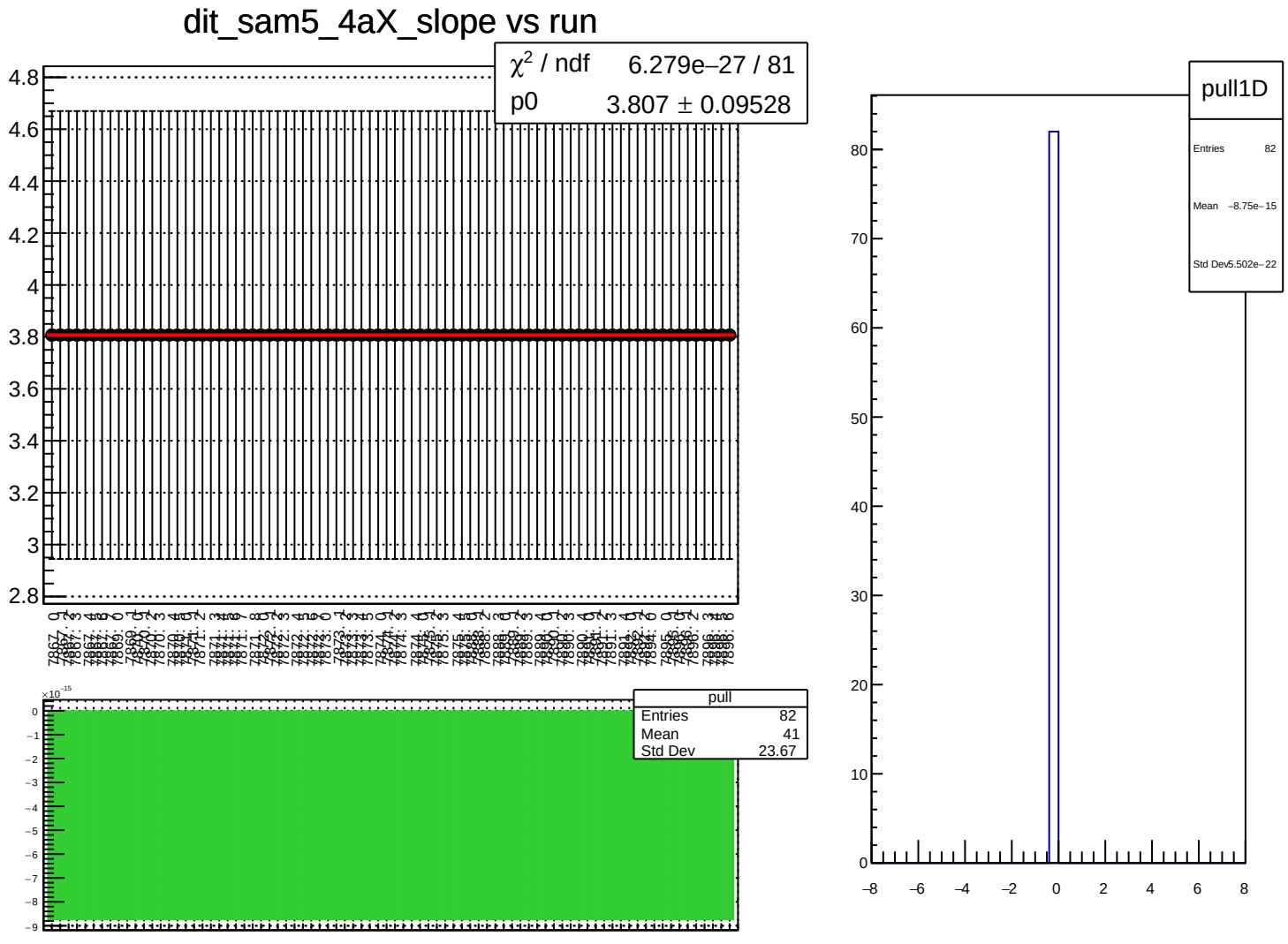

dit_sam4_11X12X_slope vs run
χ² / ndf 1.28e−27 / 81
p0 3.348 ± 0.1613
pull
Entries 82
Mean 41
Std Dev 23.67

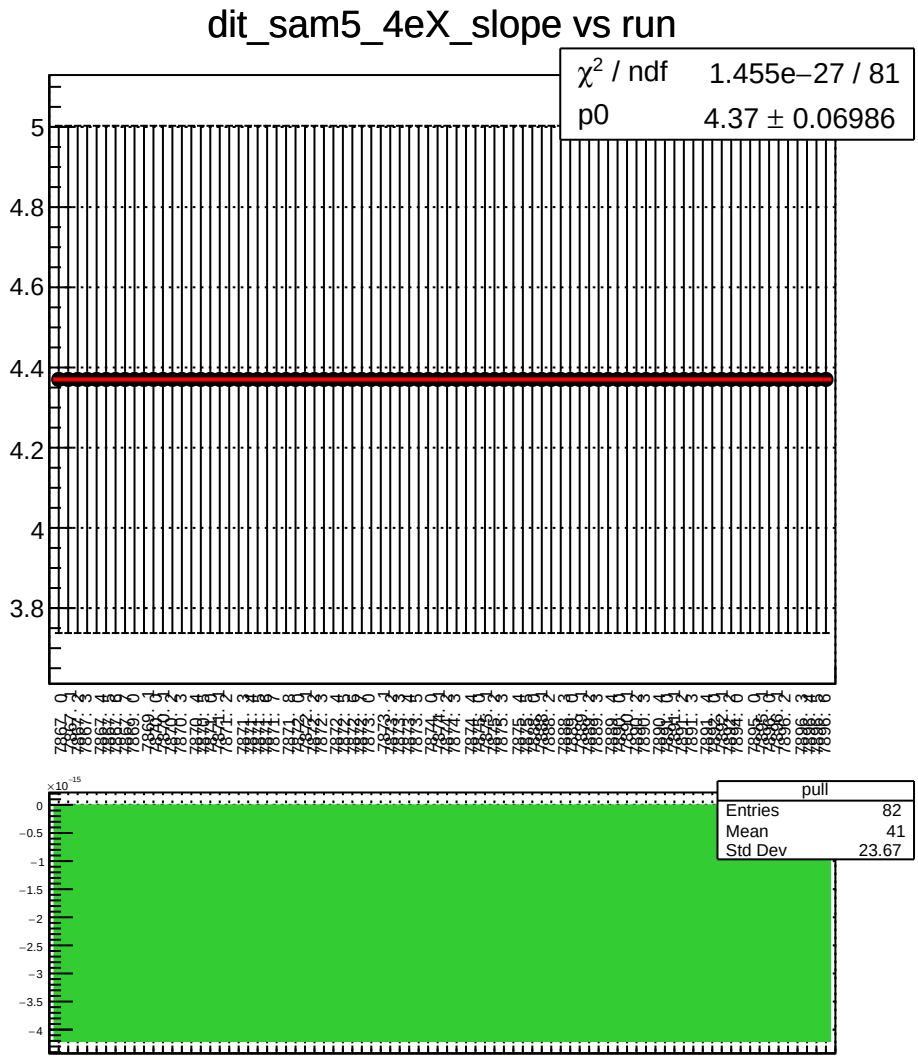

pull1D
Entries 82
Mean −3.951e−15
Std Dev 2.801e−22

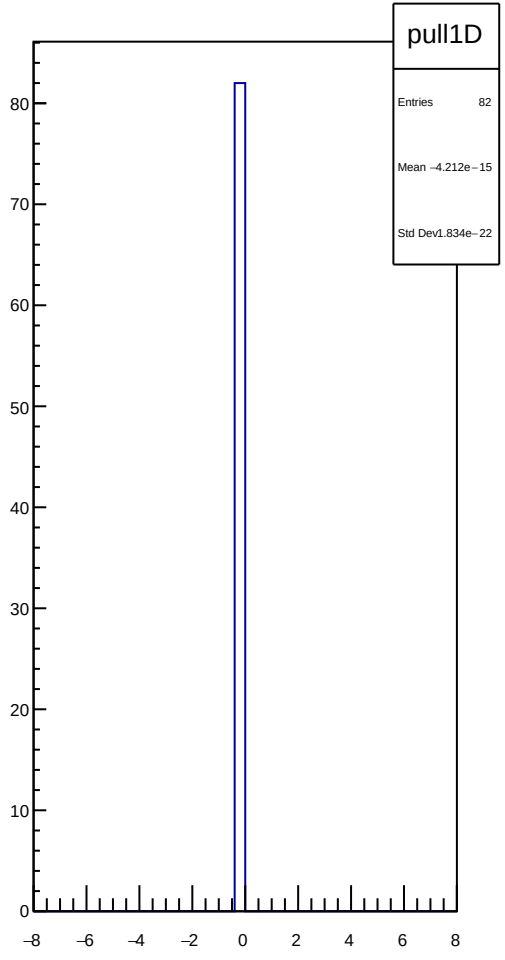

dit_sam4_4aY_slope vs run
χ² / ndf 8.366e−29 / 81
p0 −46.47 ± 2.33
−30
−40
−50
−60
−70
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0

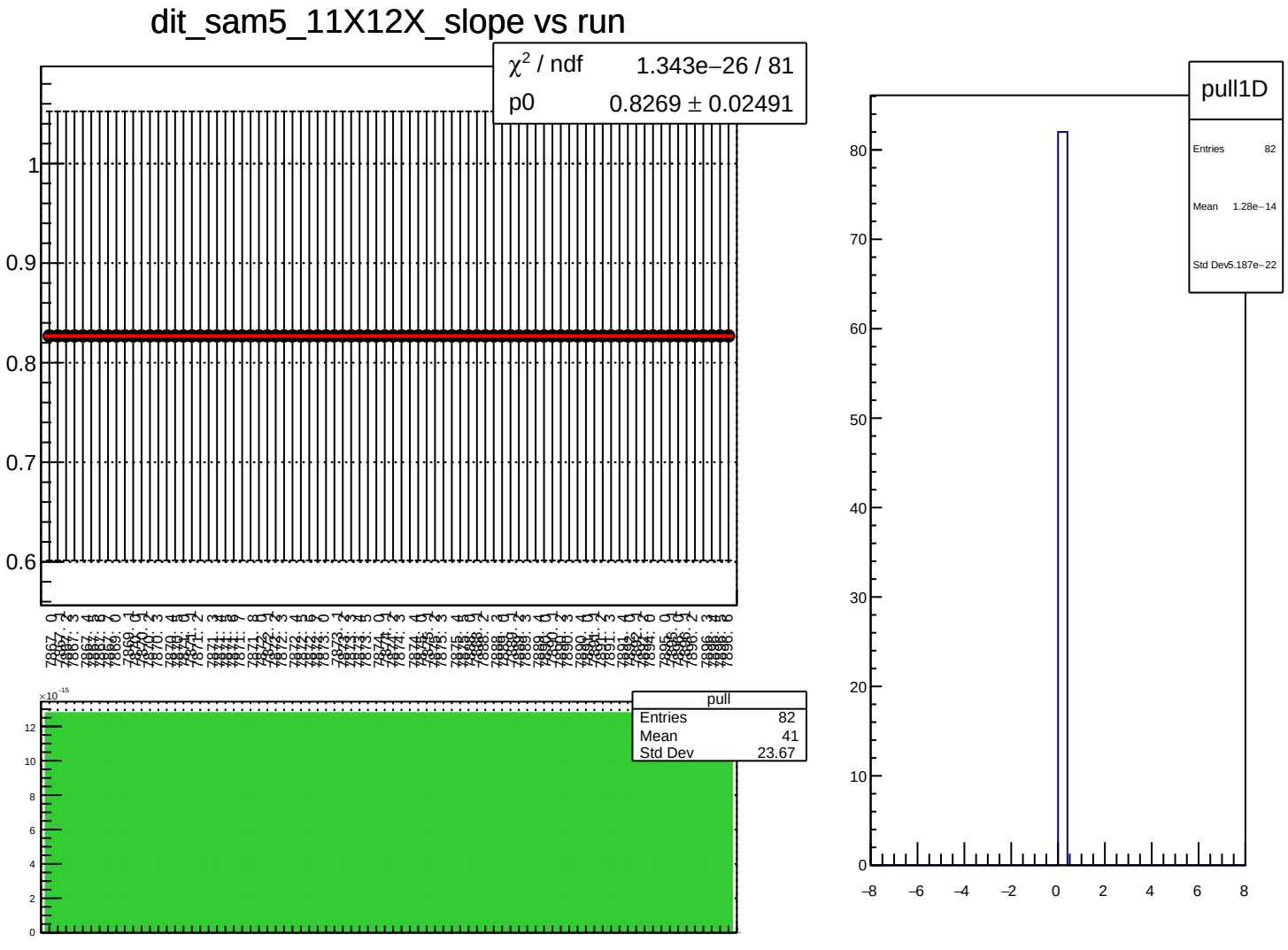

pull1D
Entries 82
Mean 1.01e−15
Std Dev 5.919e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

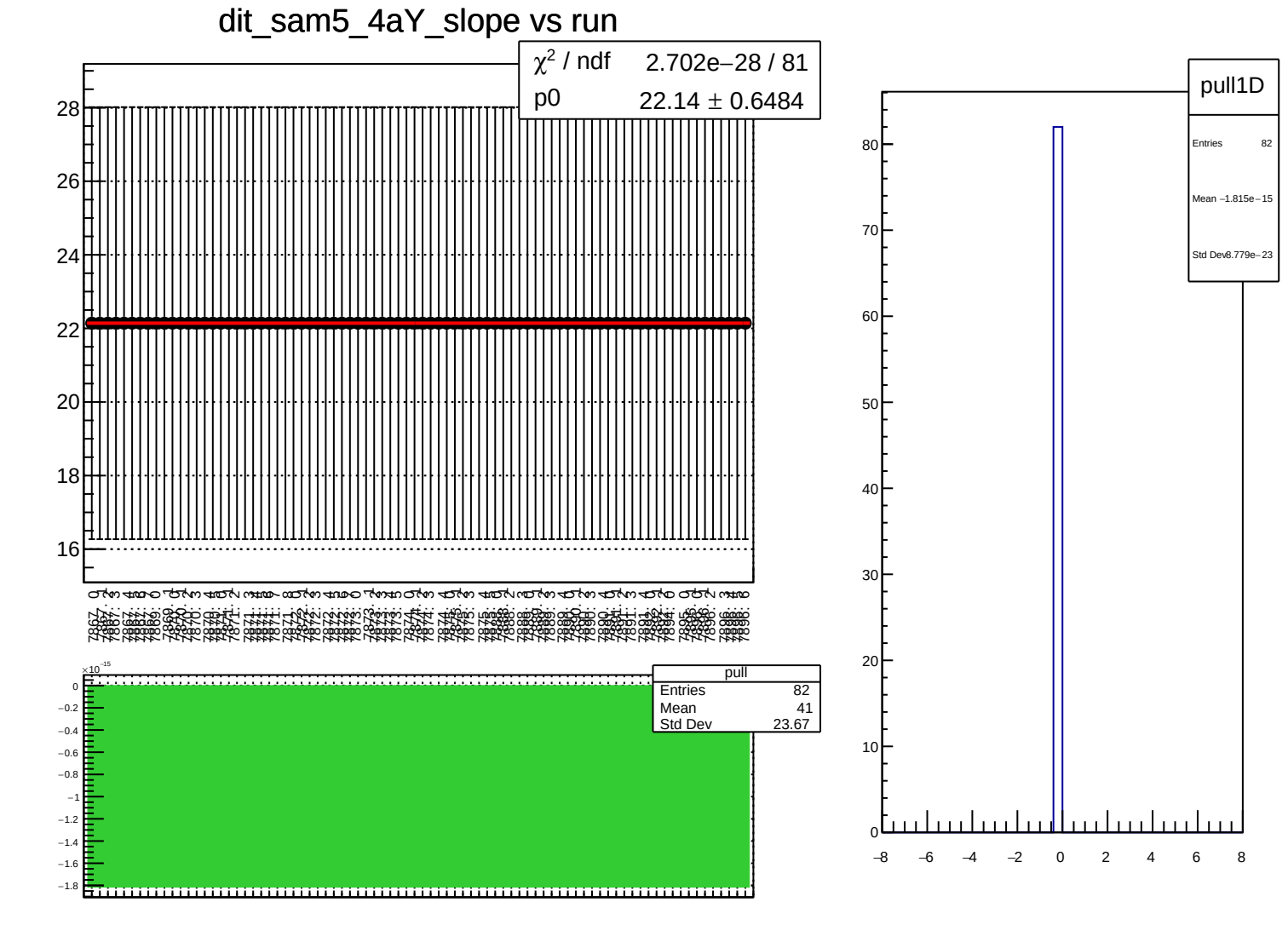

dit_sam4_4eY_slope vs run
χ² / ndf 0 / 81
p0 296.5 ± 1.877
315
310
305
300
295
290
285
280
pull
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 82
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

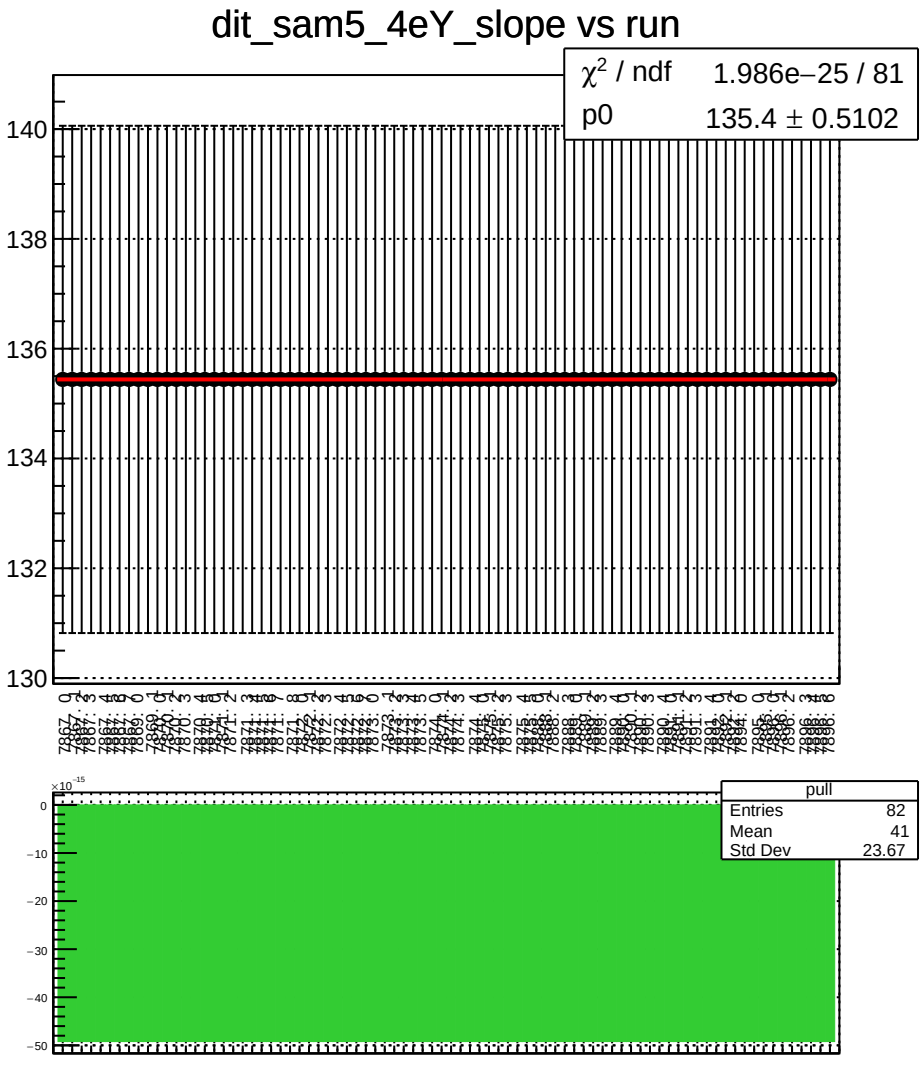

dit_sam5_4aX_slope vs run
χ² / ndf 6.279e−27 / 81
p0 3.807 ± 0.09528
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.75e−15
Std Dev5.502e−22

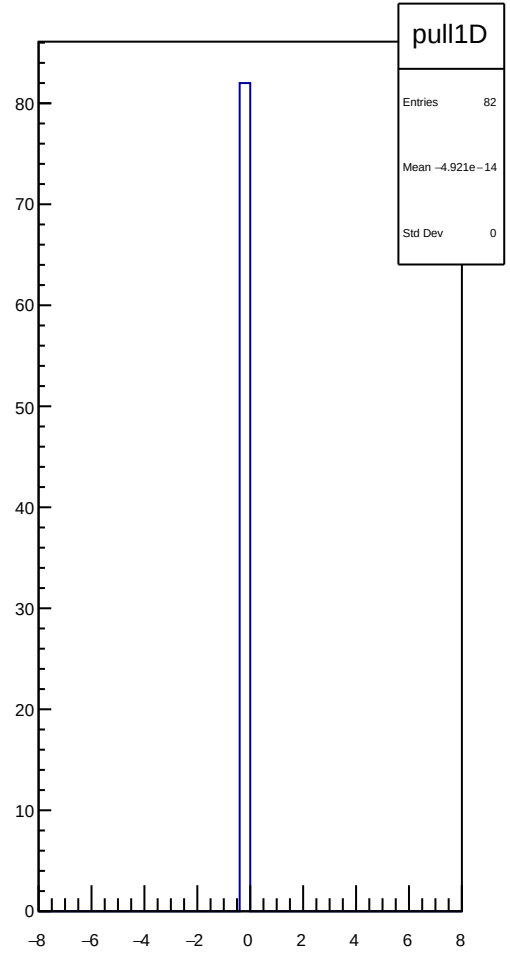

dit_sam5_4eX_slope vs run
χ² / ndf 1.455e−27 / 81
p0 4.37 ± 0.06986
pull
Entries 82
Mean 41
Std Dev 23.67

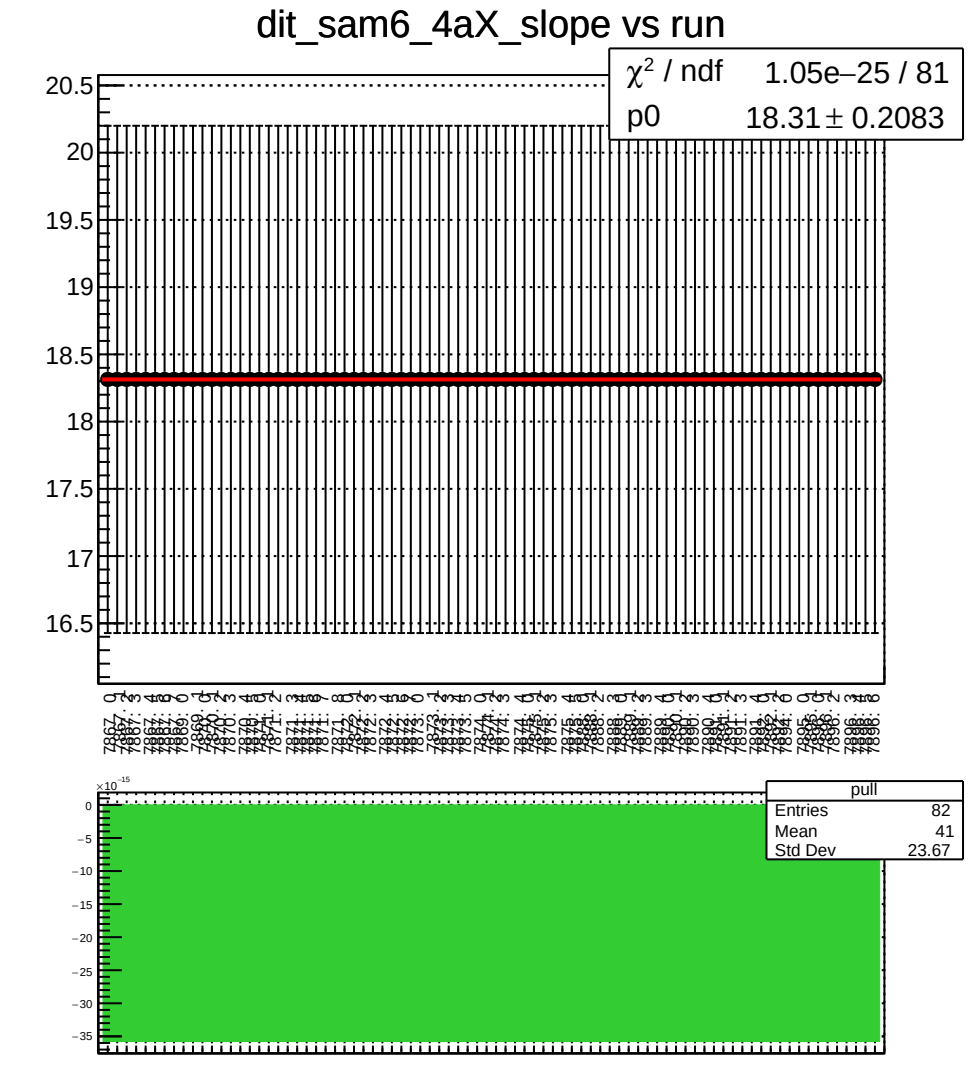

pull1D
Entries 82
Mean −4.212e−15
Std Dev1.834e−22

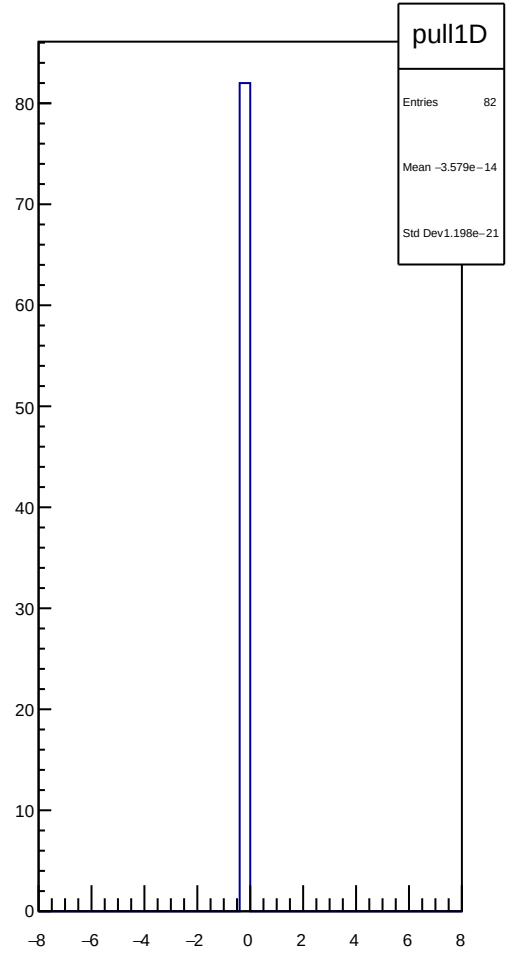

dit_sam5_11X12X_slope vs run
χ² / ndf 1.343e−26 / 81
p0 0.8269 ± 0.02491
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.28e−14
Std Dev5.187e−22

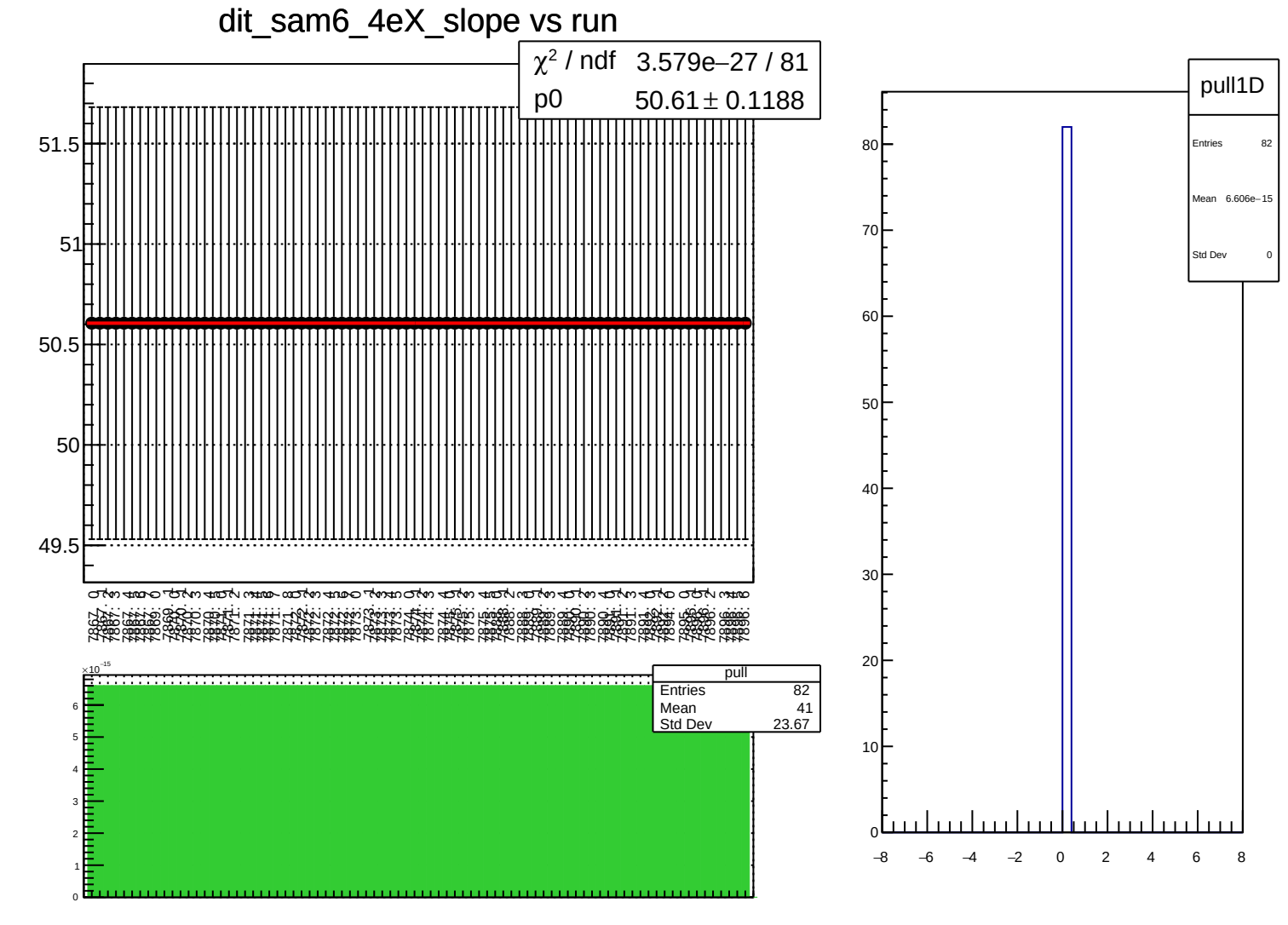

dit_sam5_4aY_slope vs run
χ² / ndf 2.702e−28 / 81
p0 22.14 ± 0.6484
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.815e−15
Std Dev 8.779e−23

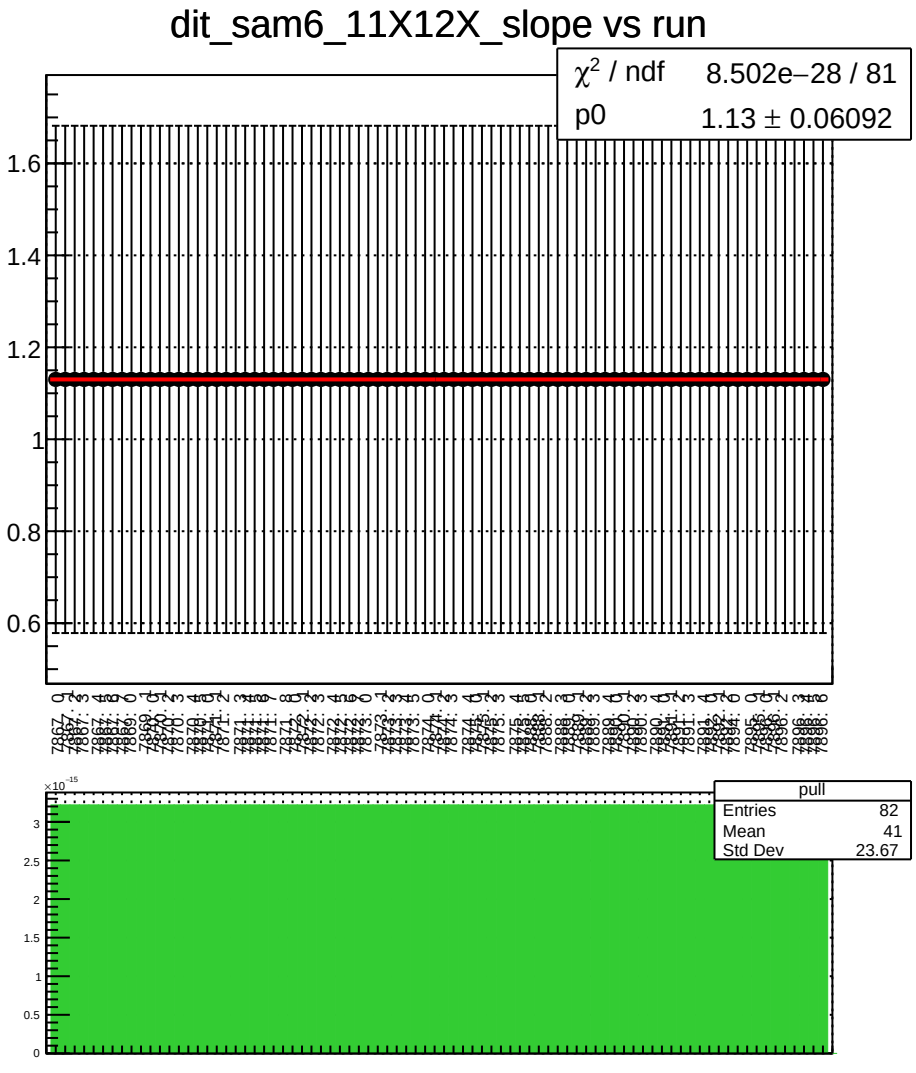

dit_sam5_4eY_slope vs run
χ² / ndf 1.986e−25 / 81
p0 135.4 ± 0.5102
140
138
136
134
132
130
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50

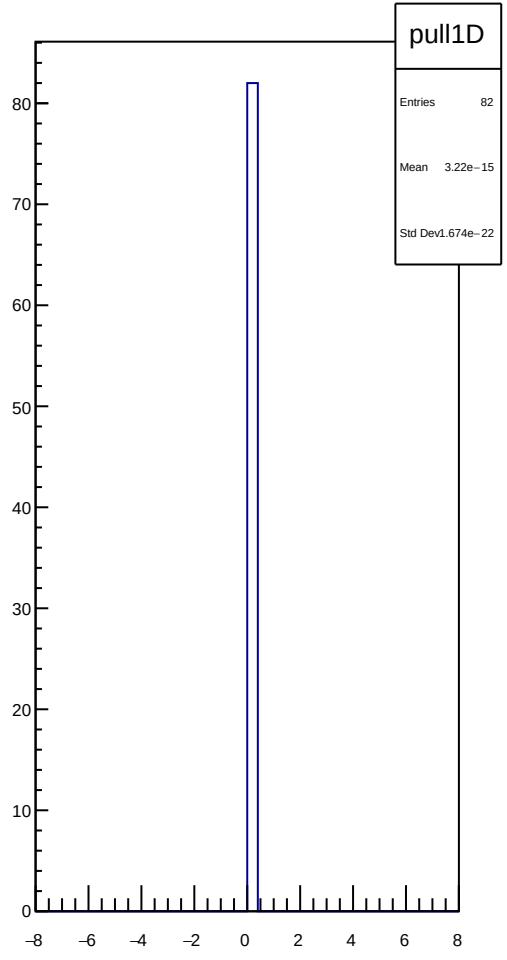

pull1D
Entries 82
Mean −4.921e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

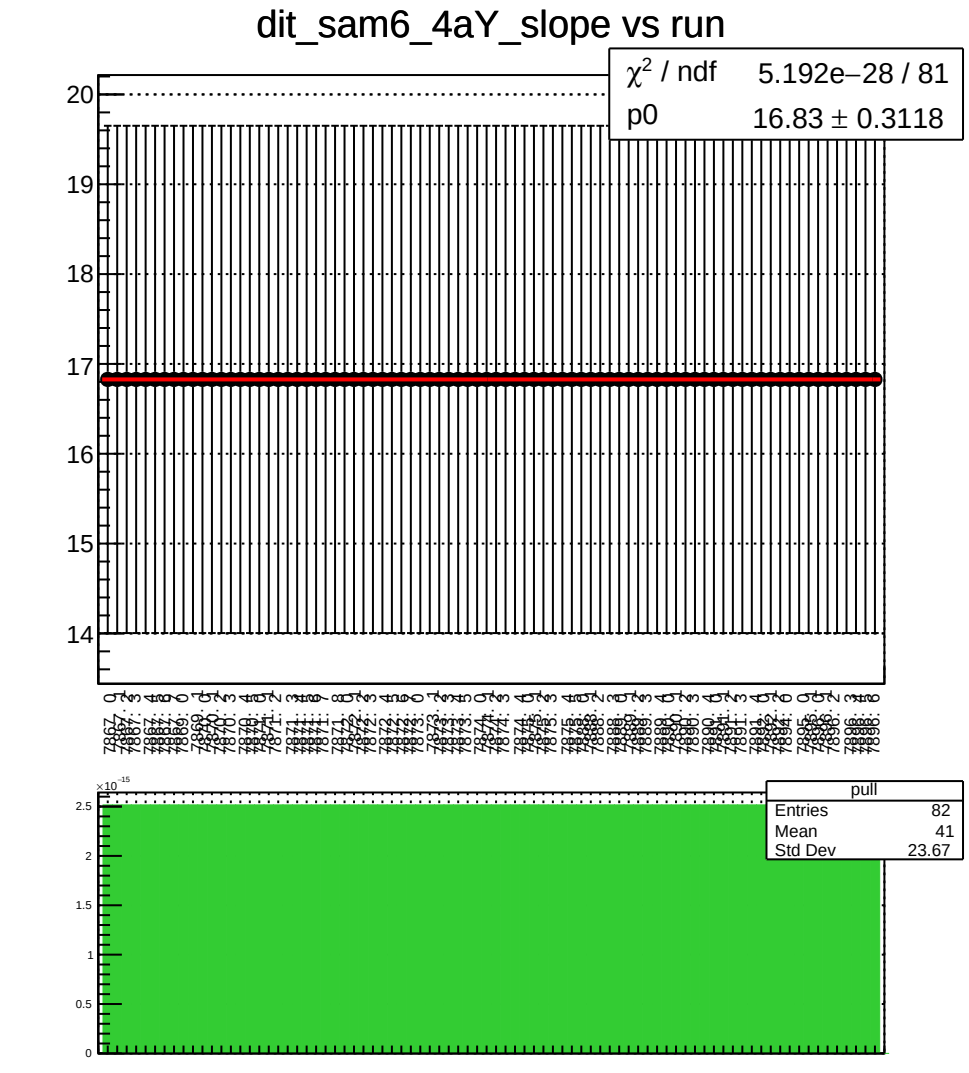

dit_sam6_4aX_slope vs run
χ² / ndf 1.05e−25 / 81
p0 18.31 ± 0.2083
pull
Entries 82
Mean 41
Std Dev 23.67

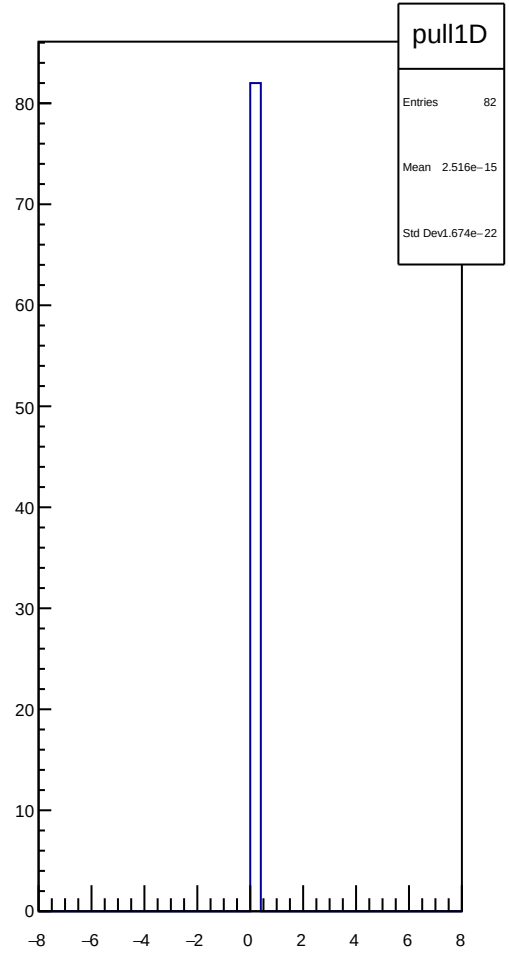

pull1D
Entries 82
Mean −3.579e−14
Std Dev1.198e−21

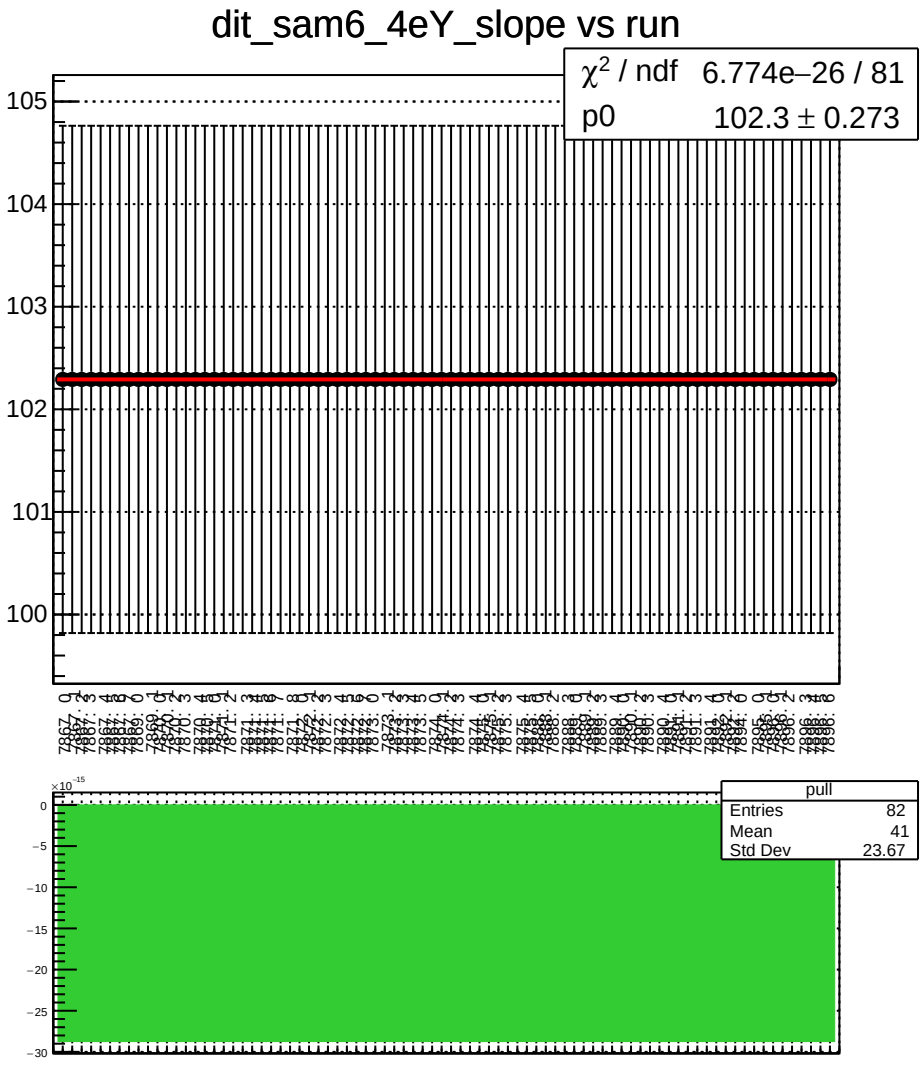

dit_sam6_4eX_slope vs run
χ² / ndf 3.579e−27 / 81
p0 50.61 ± 0.1188
51.5
51
50.5
50
49.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 6.606e−15
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

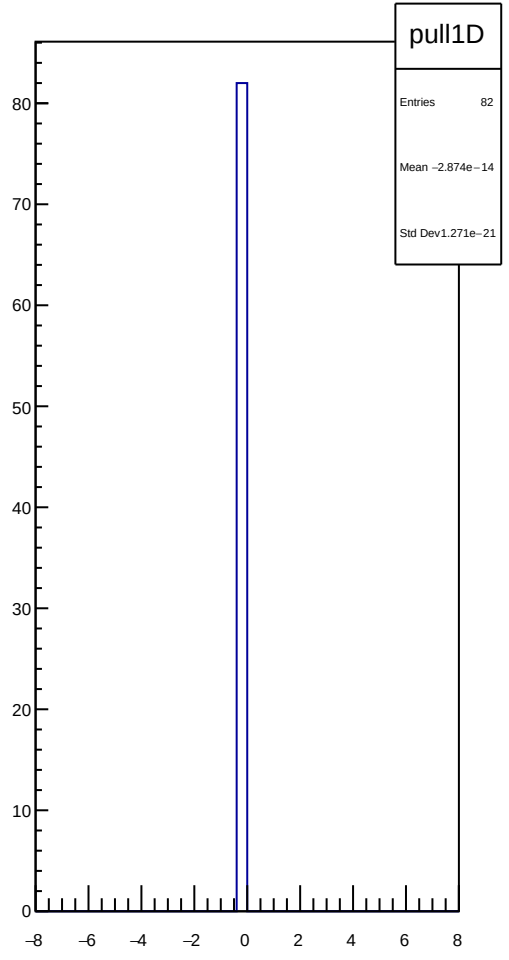

dit_sam6_11X12X_slope vs run
χ² / ndf 8.502e−28 / 81
p0 1.13 ± 0.06092
pull
Entries 82
Mean 41
Std Dev 23.67

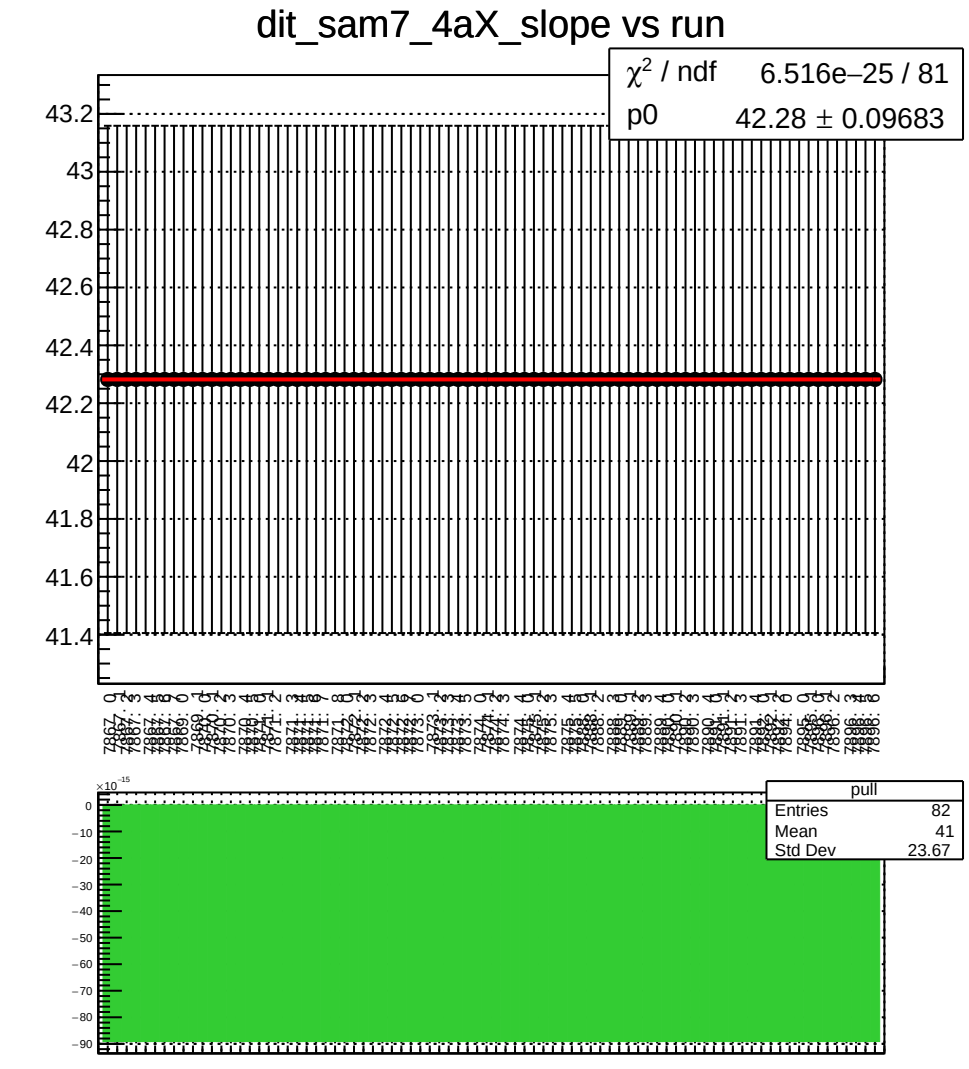

pull1D
Entries 82
Mean 3.22e−15
Std Dev1.674e−22

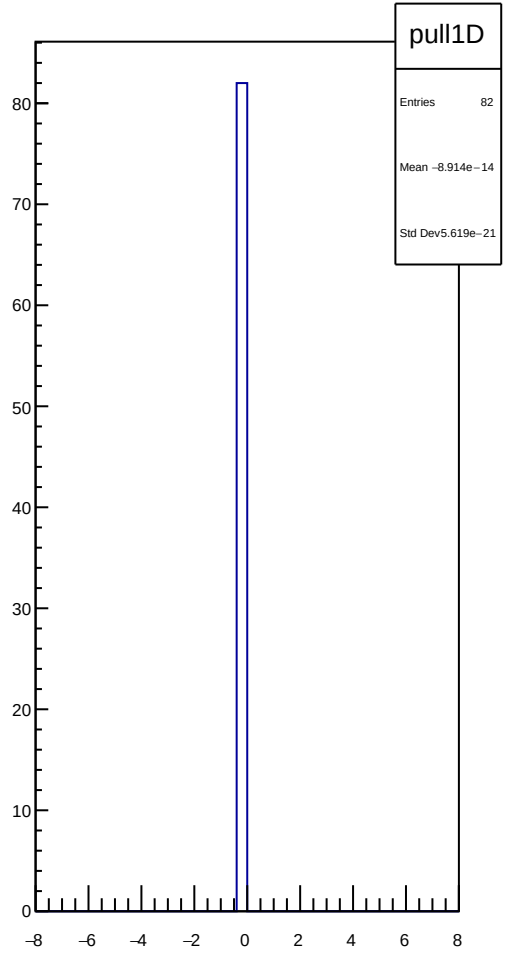

dit_sam6_4aY_slope vs run
χ² / ndf 5.192e−28 / 81
p0 16.83 ± 0.3118
pull
Entries 82
Mean 41
Std Dev 23.67

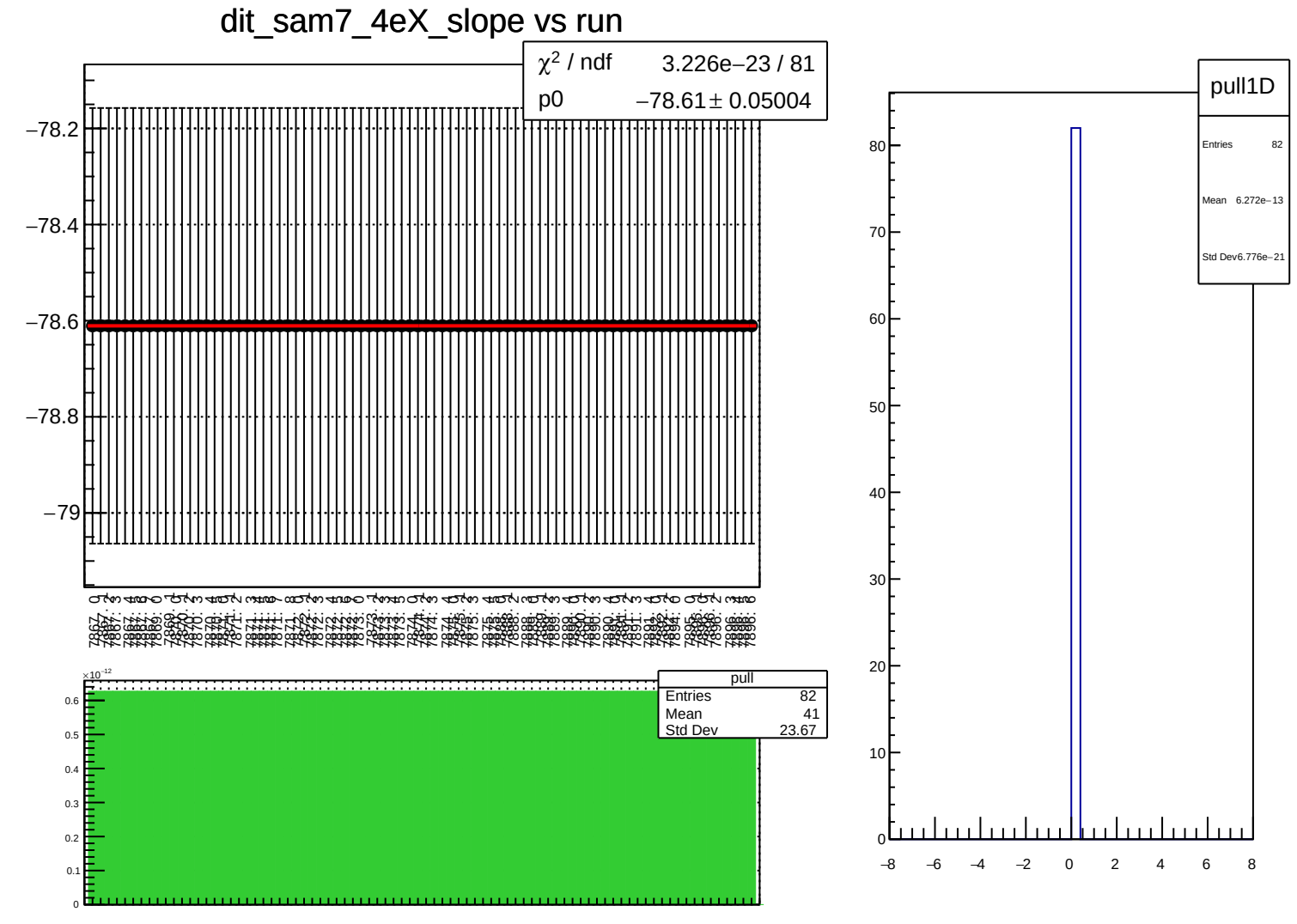

pull1D
Entries 82
Mean 2.516e−15
Std Dev1.674e−22

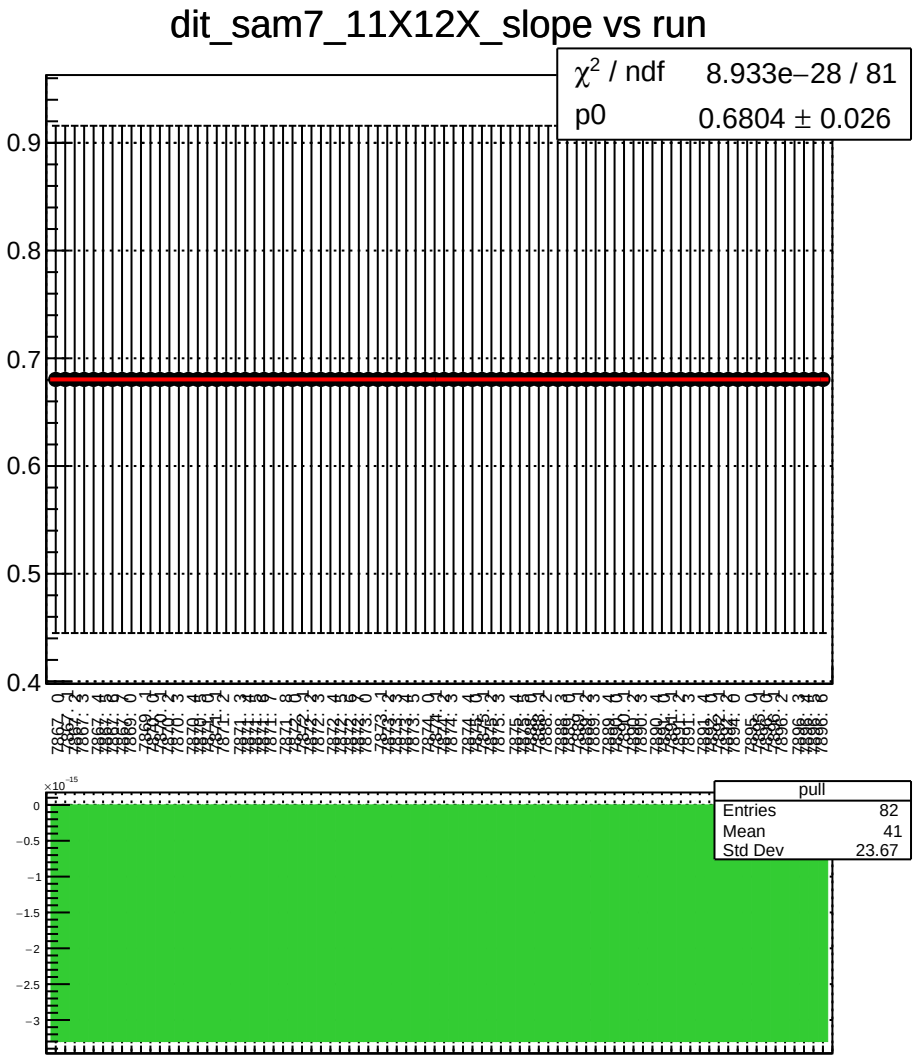

dit_sam6_4eY_slope vs run
χ² / ndf 6.774e−26 / 81
p0 102.3 ± 0.273
105
104
103
102
101
100
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

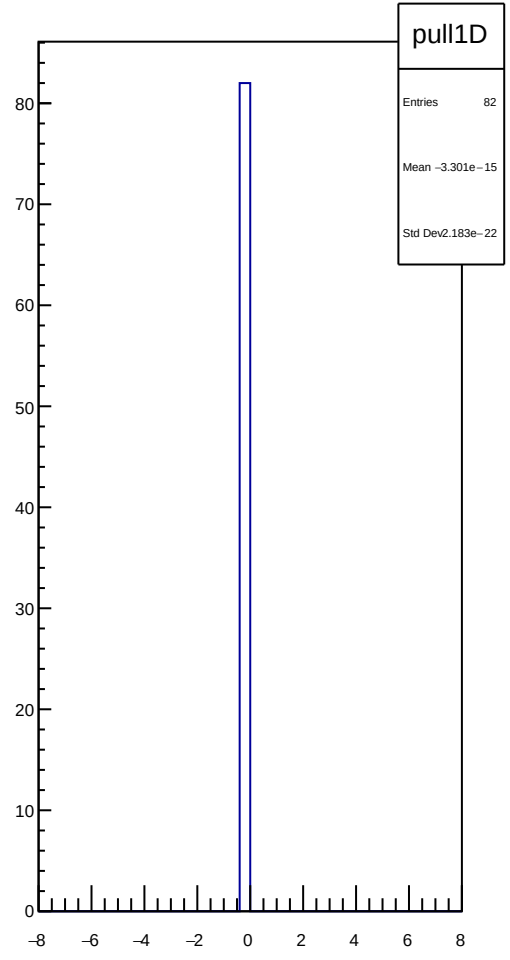

pull1D
Entries 82
Mean −2.874e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

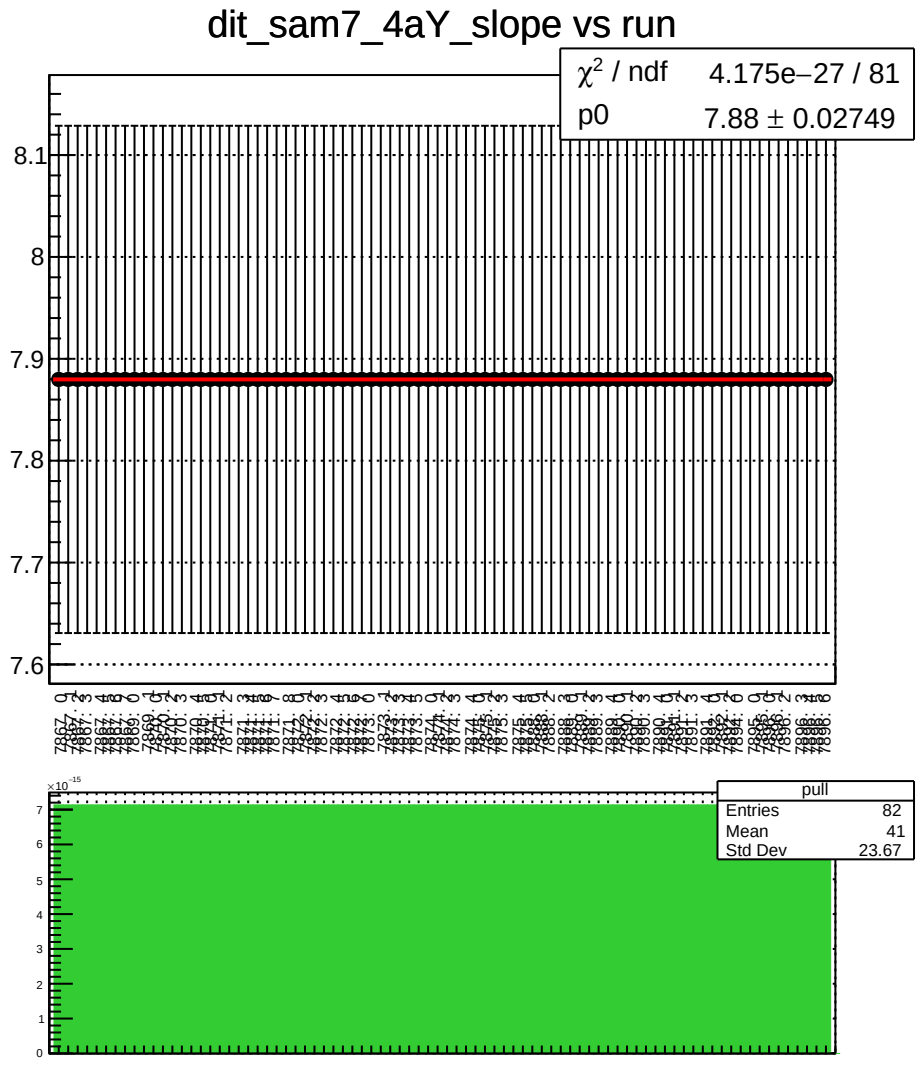

dit_sam7_4aX_slope vs run
χ² / ndf 6.516e−25 / 81
p0 42.28 ± 0.09683
43.2
43
42.8
42.6
42.4
42.2
42
41.8
41.6
41.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90

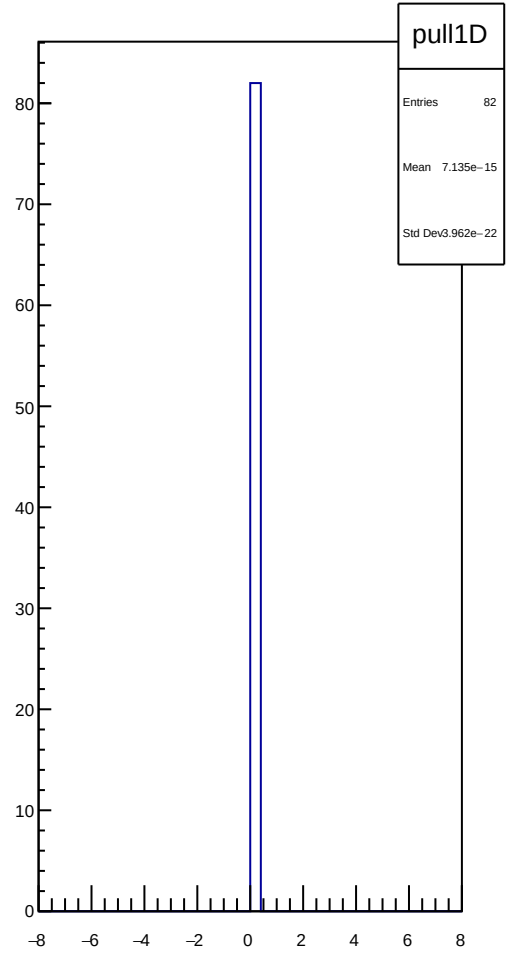

pull1D
Entries 82
Mean −8.914e−14
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

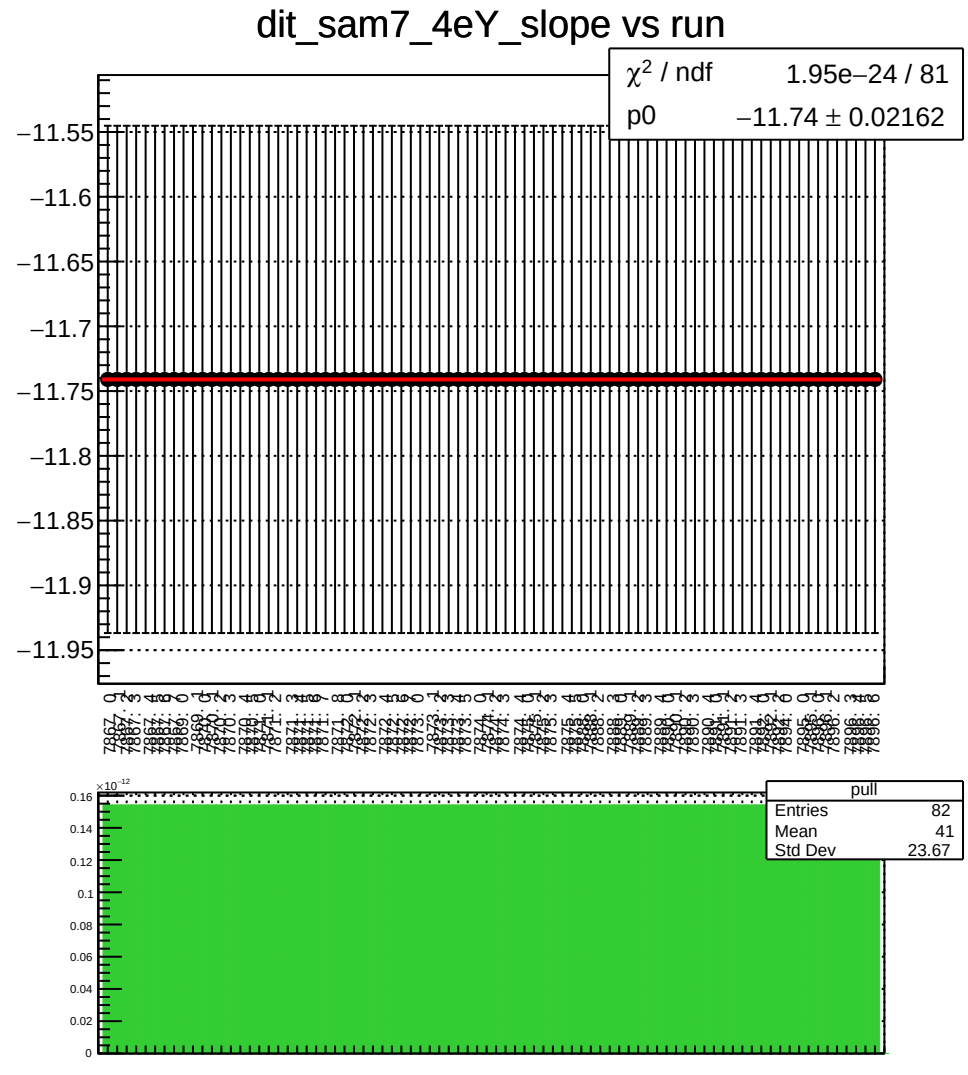

dit_sam7_4eX_slope vs run
χ² / ndf 3.226e−23 / 81
p0 −78.61 ± 0.05004
−78.2
−78.4
−78.6
−78.8
−79
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 82
Mean 6.272e−13
Std Dev 6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

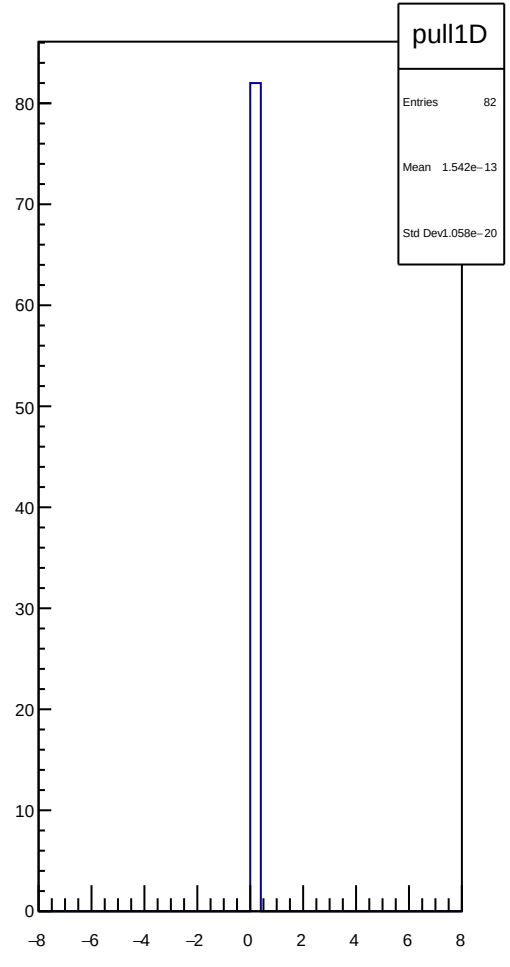

dit_sam7_11X12X_slope vs run
χ² / ndf 8.933e−28 / 81
p0 0.6804 ± 0.026
pull
Entries 82
Mean 41
Std Dev 23.67

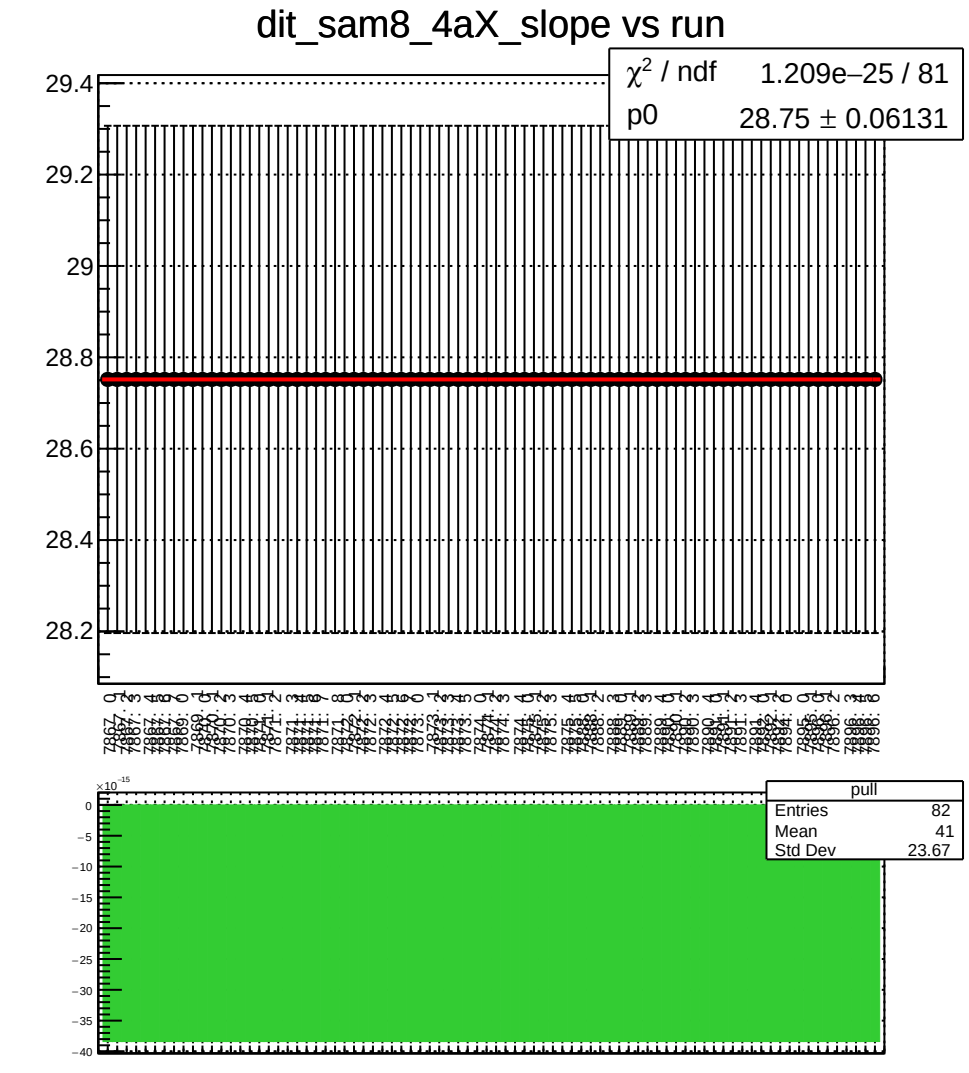

pull1D
Entries 82
Mean −3.301e−15
Std Dev2.183e−22

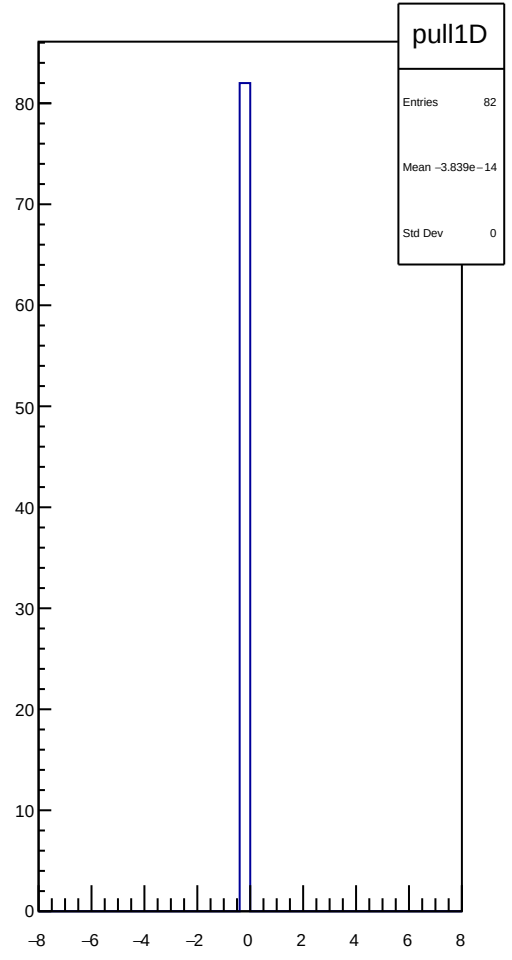

dit_sam7_4aY_slope vs run
χ² / ndf 4.175e−27 / 81
p0 7.88 ± 0.02749
8.1
8
7.9
7.8
7.7
7.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
7
6
5
4
3
2
1
0

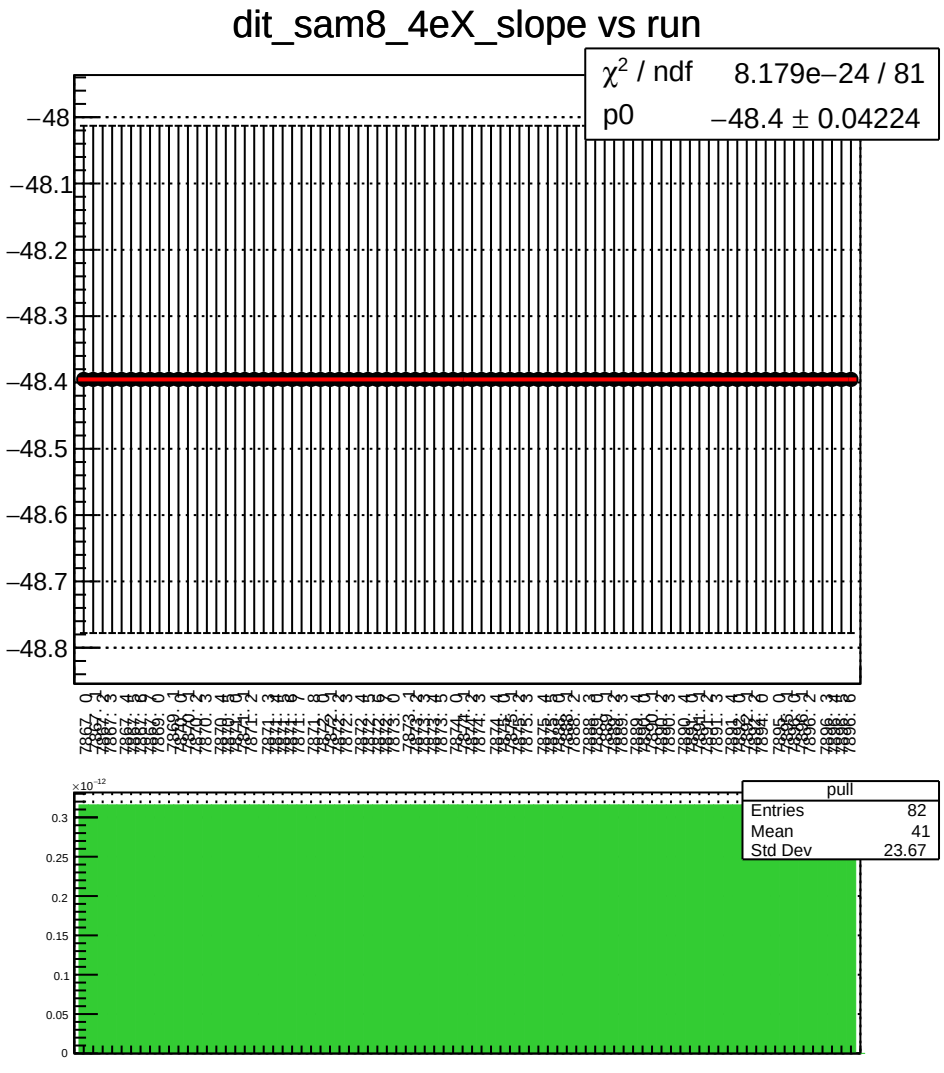

pull1D
Entries 82
Mean 7.135e−15
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

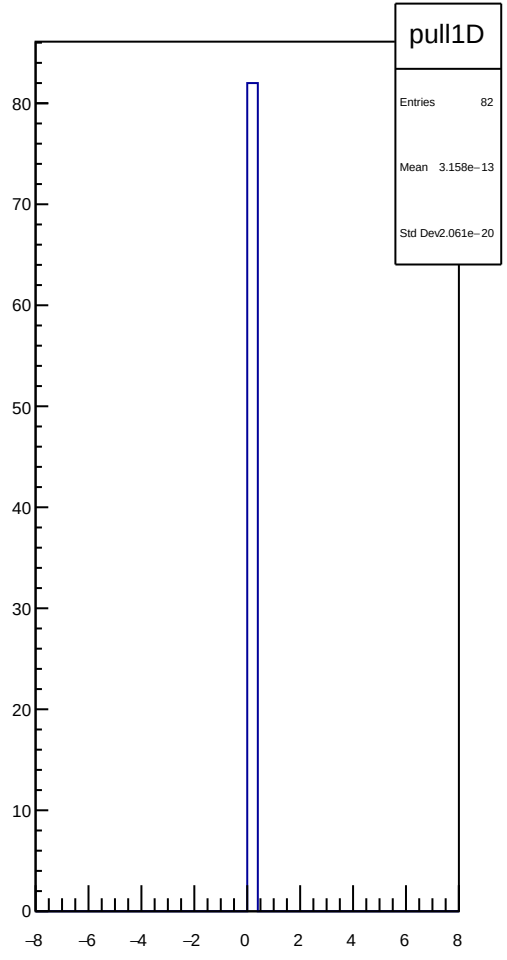

dit_sam7_4eY_slope vs run
χ² / ndf 1.95e−24 / 81
p0 −11.74 ± 0.02162
−11.55
−11.6
−11.65
−11.7
−11.75
−11.8
−11.85
−11.9
−11.95
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

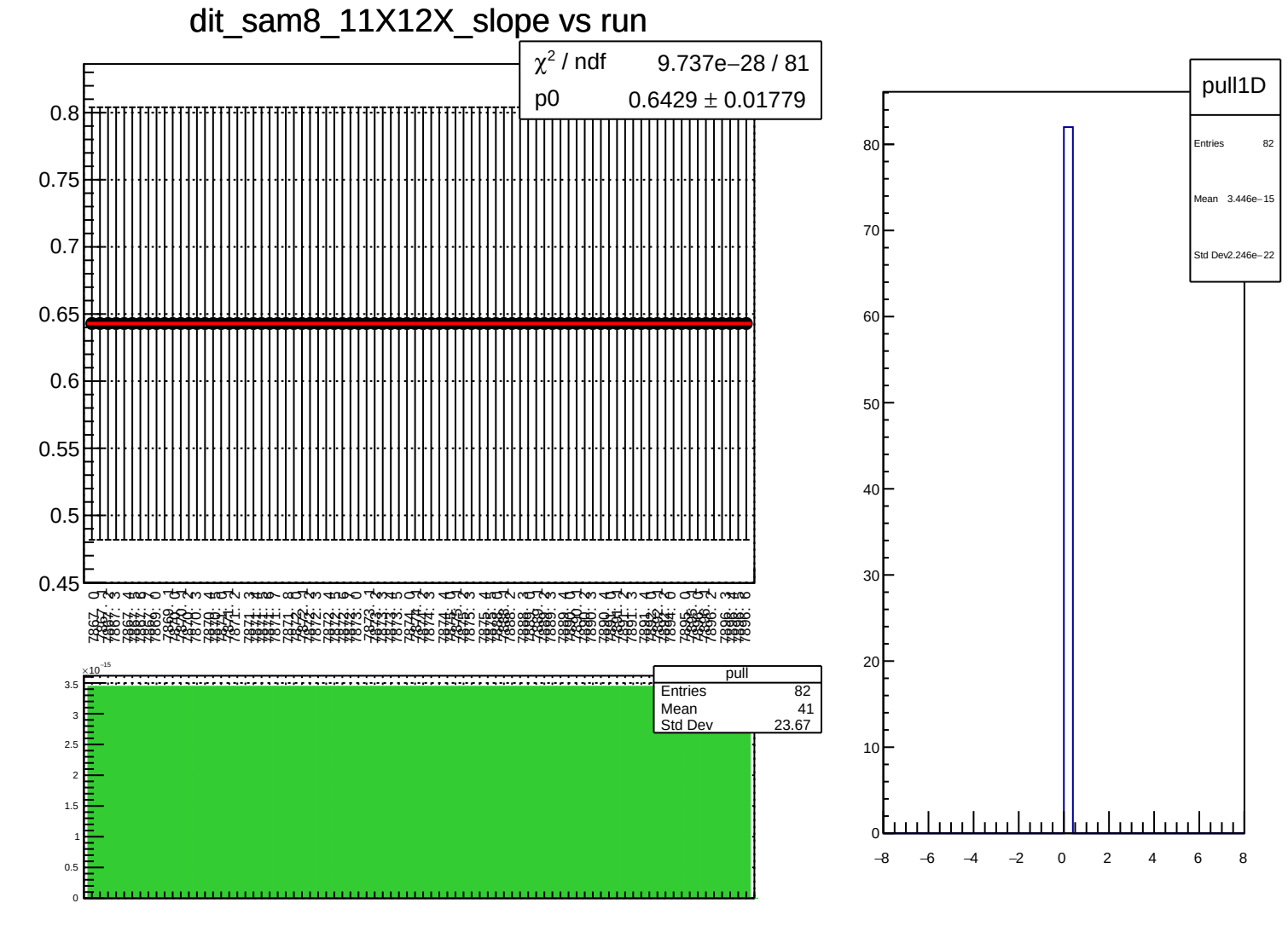

pull1D
Entries 82
Mean 1.542e−13
Std Dev1.058e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

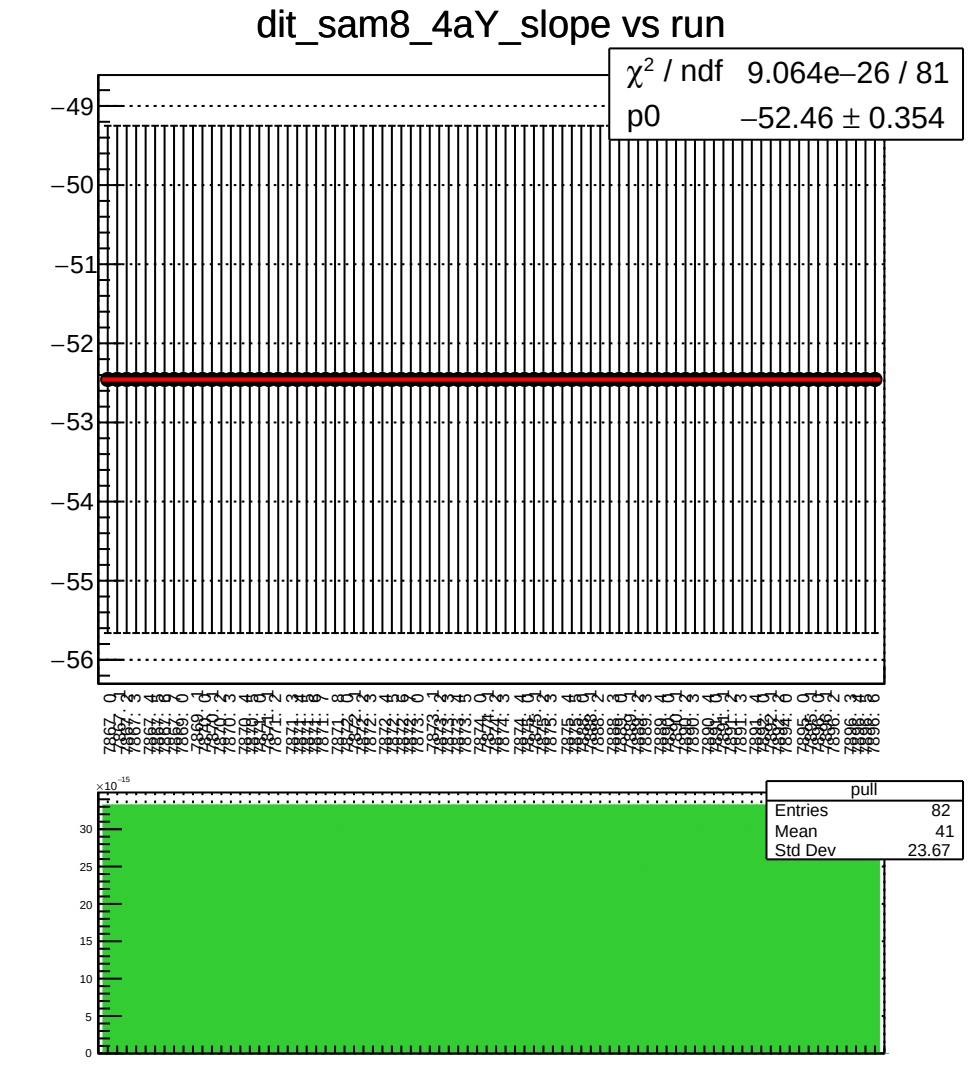

dit_sam8_4aX_slope vs run
χ² / ndf 1.209e−25 / 81
p0 28.75 ± 0.06131
29.4
29.2
29
28.8
28.6
28.4
28.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

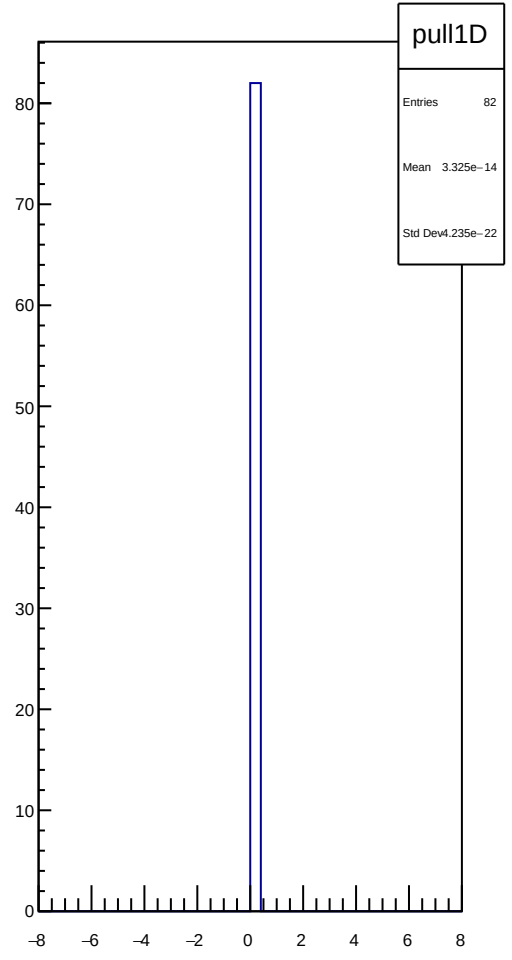

pull1D
Entries 82
Mean −3.839e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

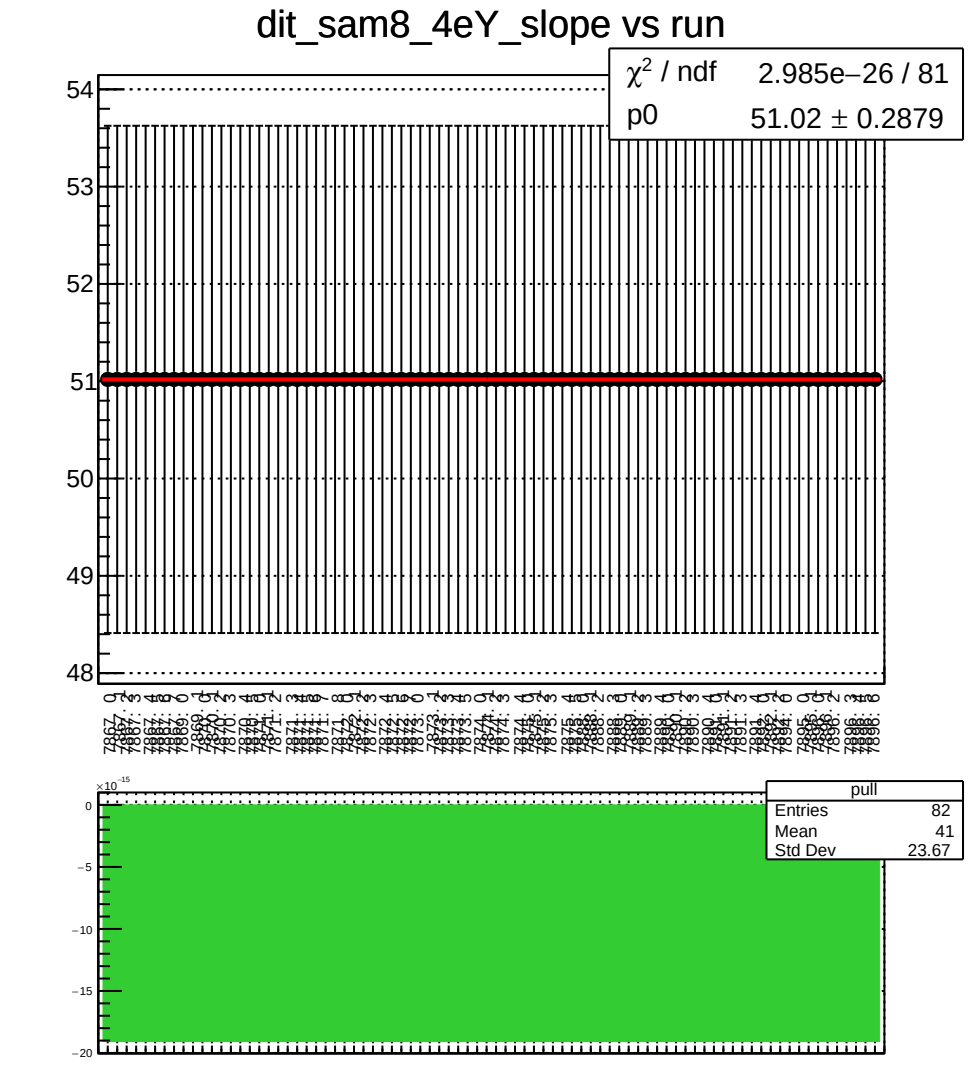

dit_sam8_4eX_slope vs run
χ² / ndf 8.179e−24 / 81
p0 −48.4 ± 0.04224
−48
−48.1
−48.2
−48.3
−48.4
−48.5
−48.6
−48.7
−48.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

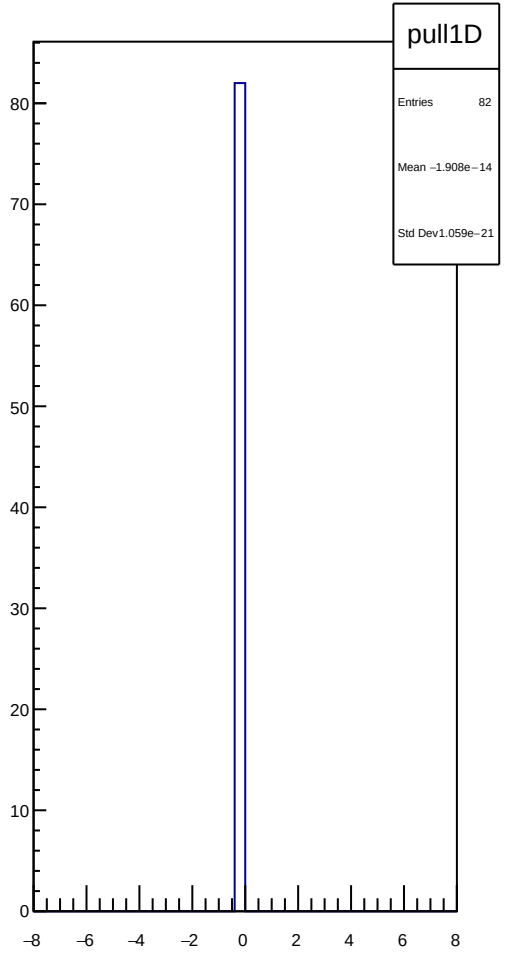

pull1D
Entries 82
Mean 3.158e−13
Std Dev 2.061e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

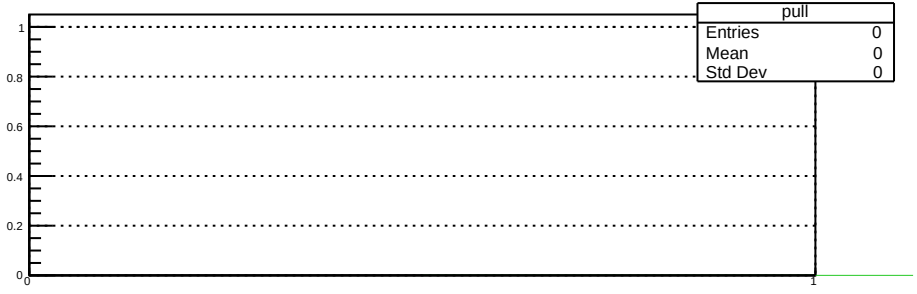

dit_sam8_11X12X_slope vs run
χ² / ndf 9.737e−28 / 81
p0 0.6429 ± 0.01779
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 82
Mean 3.446e−15
Std Dev 2.246e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

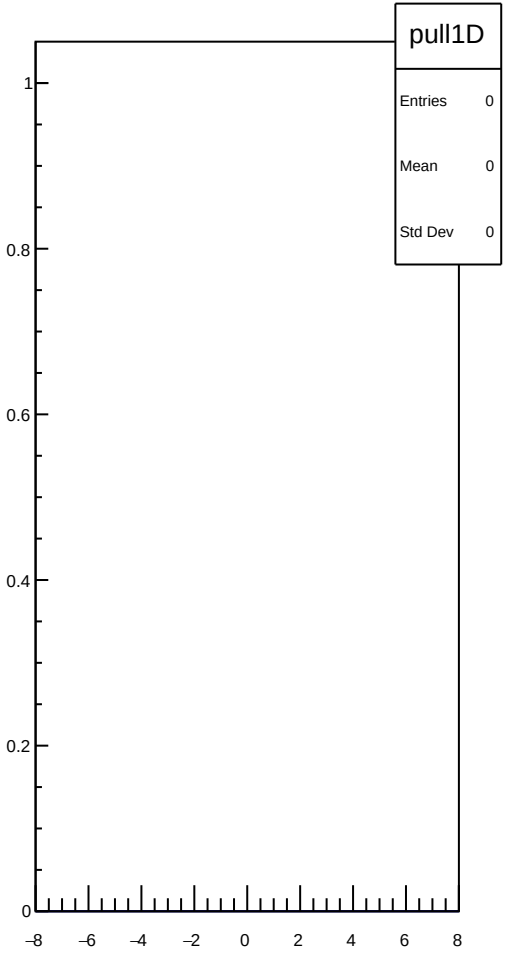

dit_sam8_4aY_slope vs run
χ² / ndf 9.064e−26 / 81
p0 −52.46 ± 0.354
pull
Entries 82
Mean 41
Std Dev 23.67

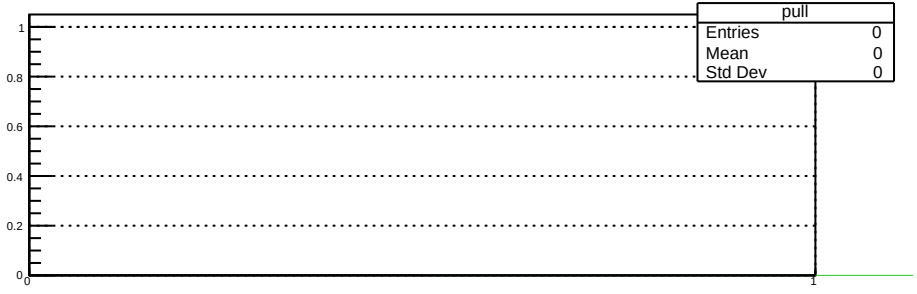

pull1D
Entries 82
Mean 3.325e−14
Std Dev4.235e−22

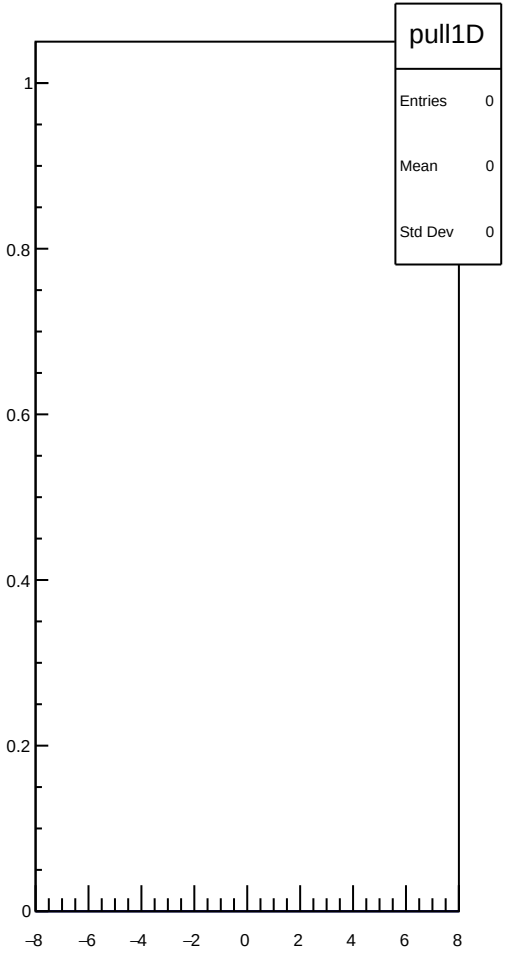

dit_sam8_4eY_slope vs run
χ² / ndf 2.985e−26 / 81
p0 51.02 ± 0.2879
pull
Entries 82
Mean 41
Std Dev 23.67

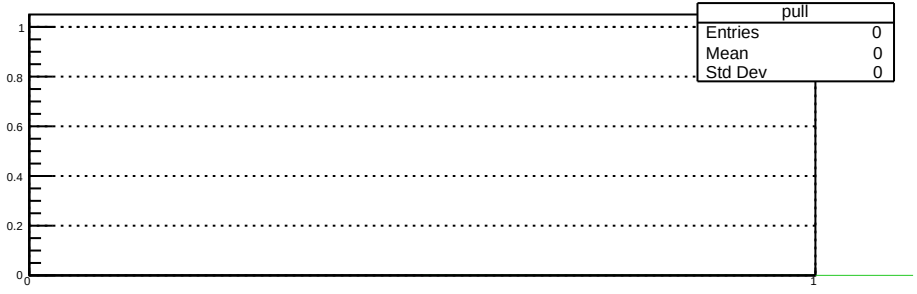

pull1D
Entries 82
Mean −1.908e−14
Std Dev1.059e−21

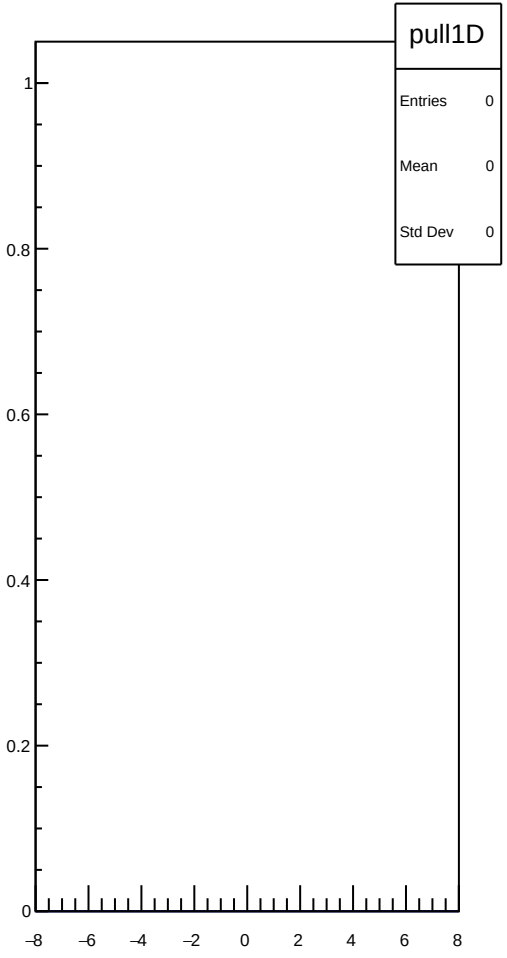

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

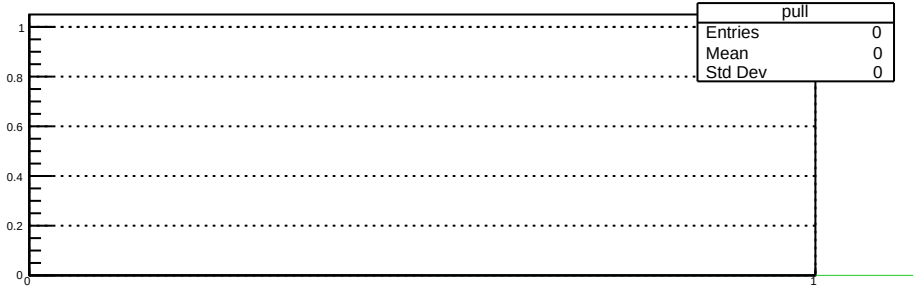

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

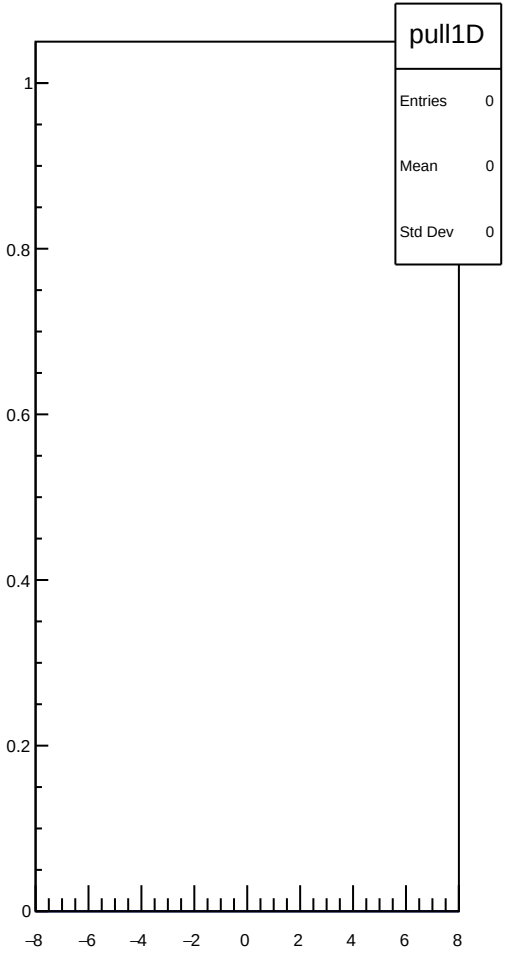

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

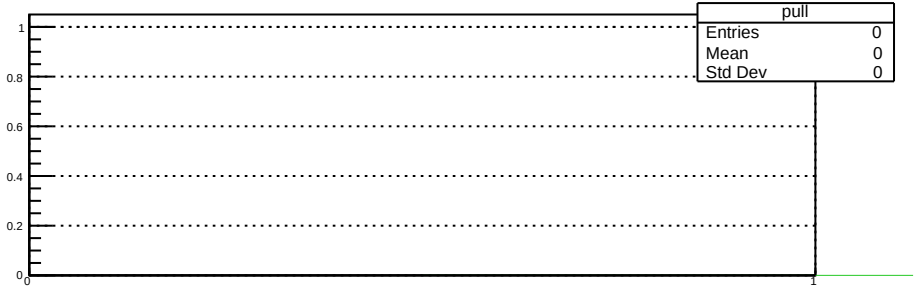

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

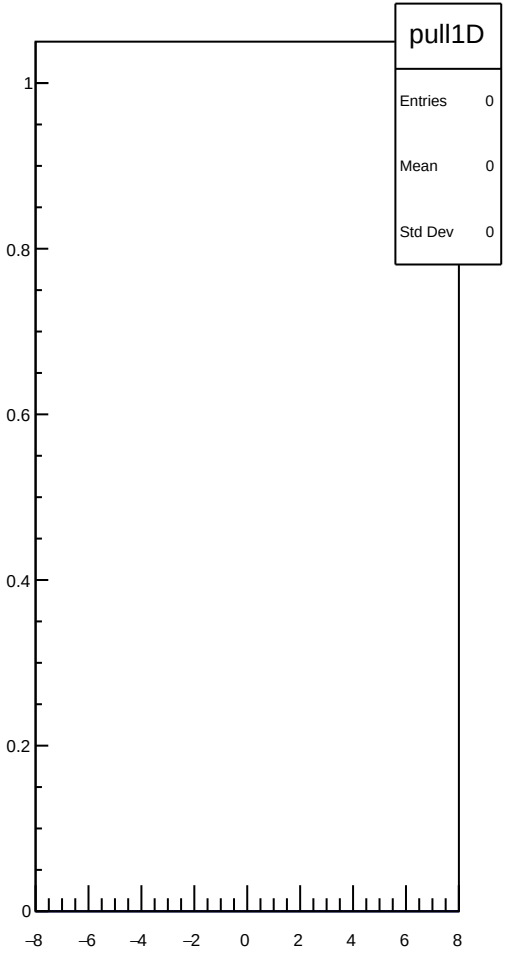

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

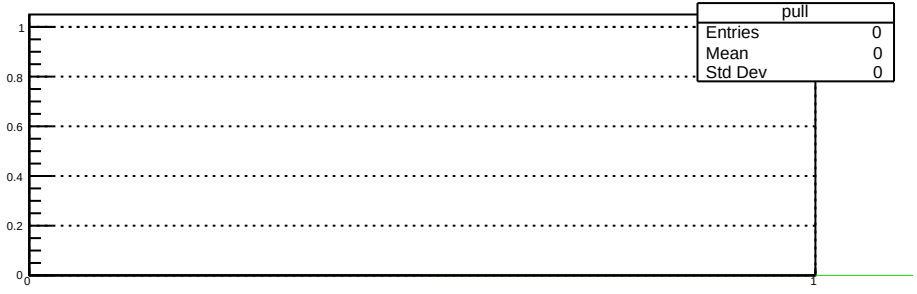

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

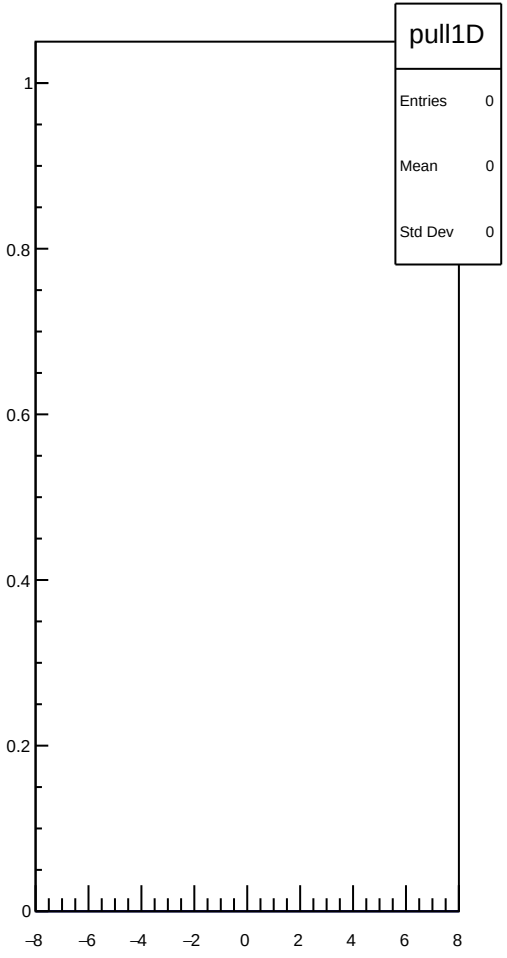

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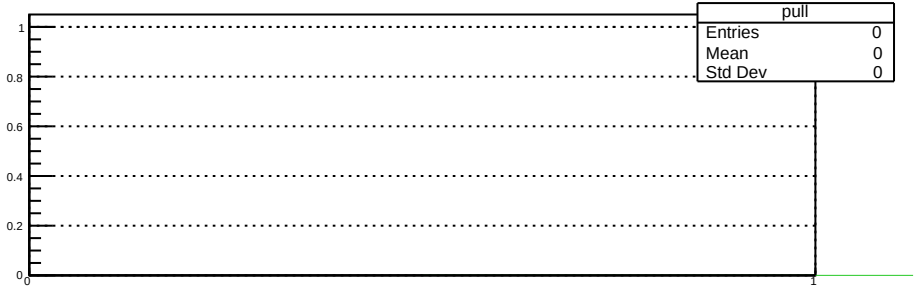

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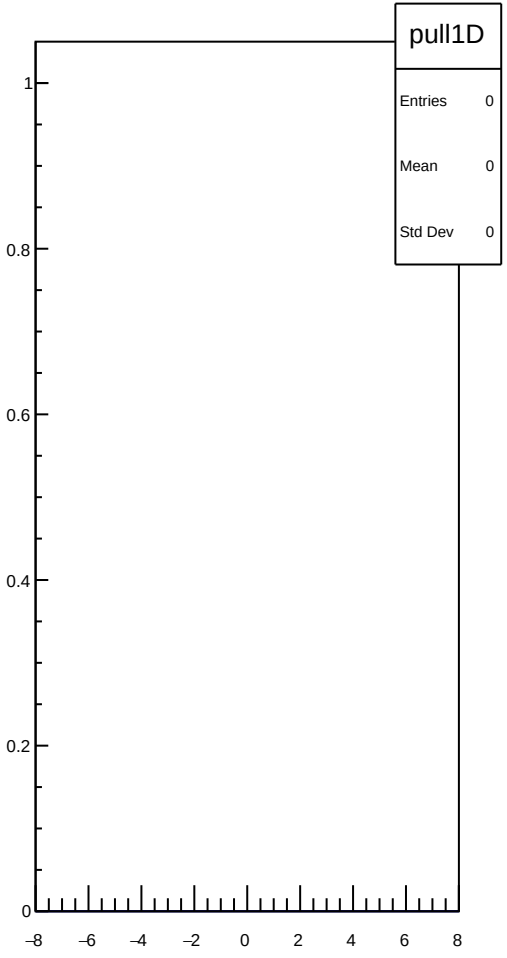

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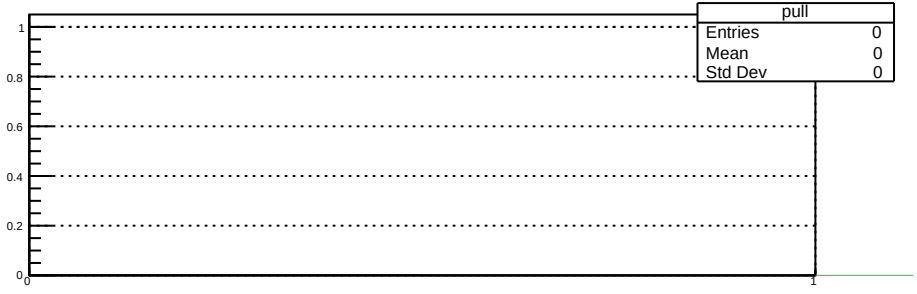

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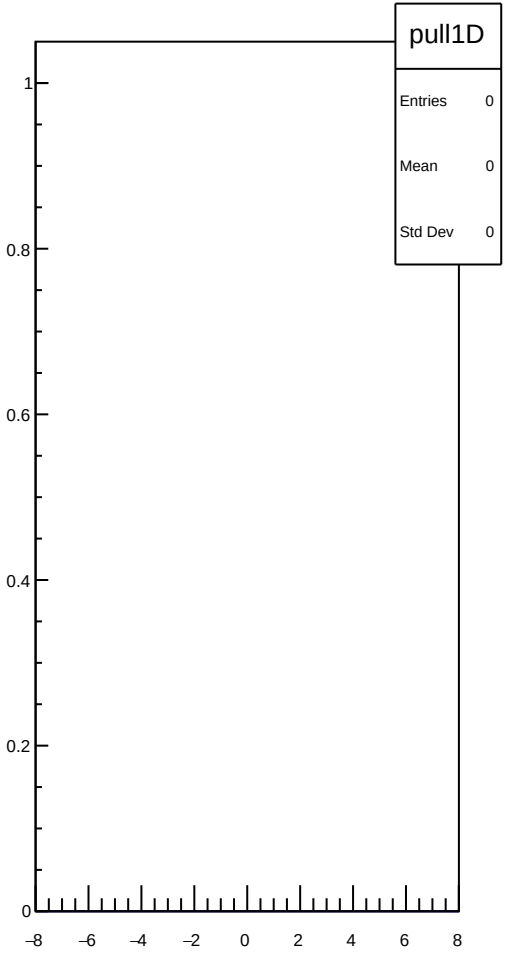

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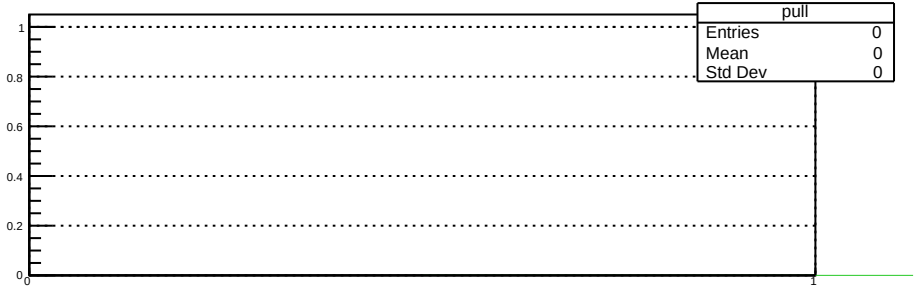

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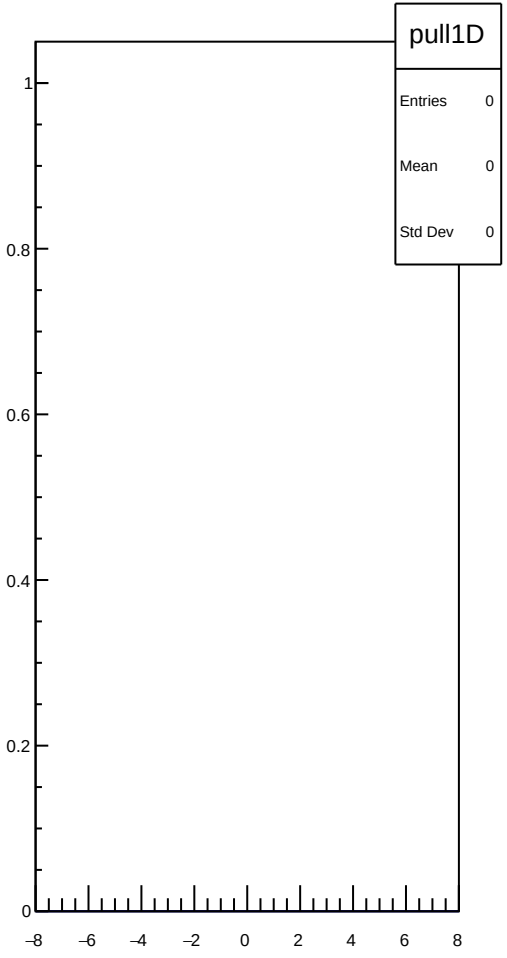

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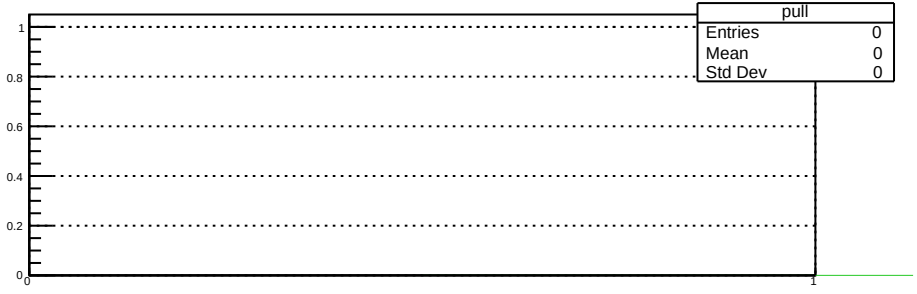

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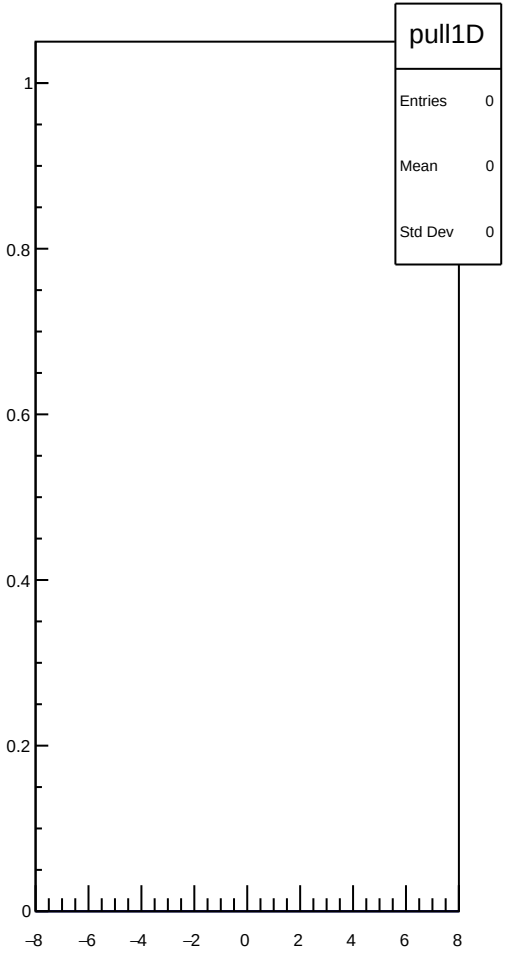

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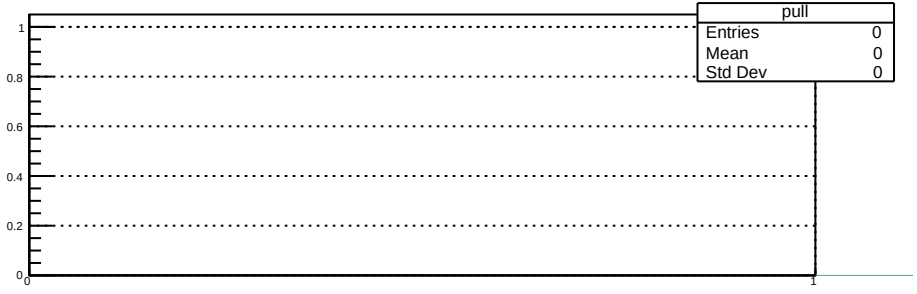

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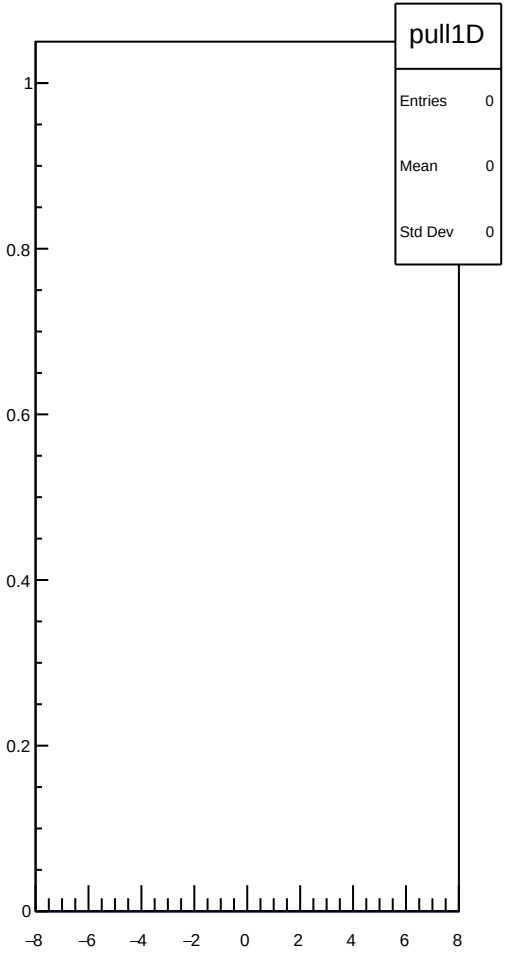

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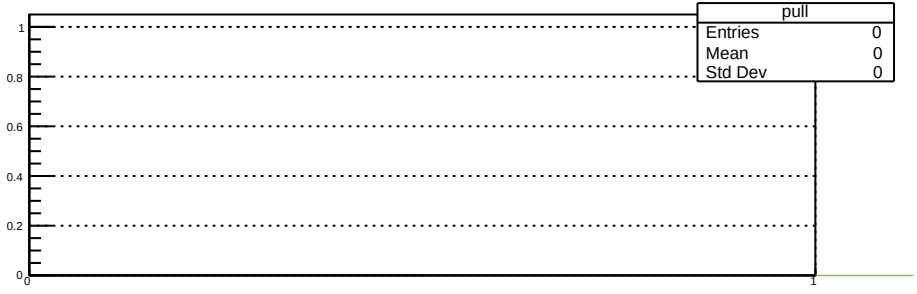

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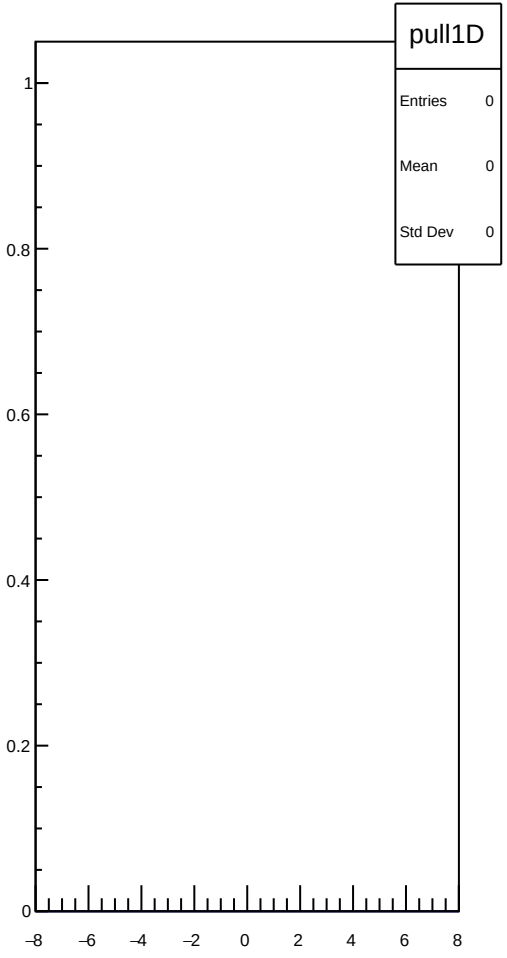

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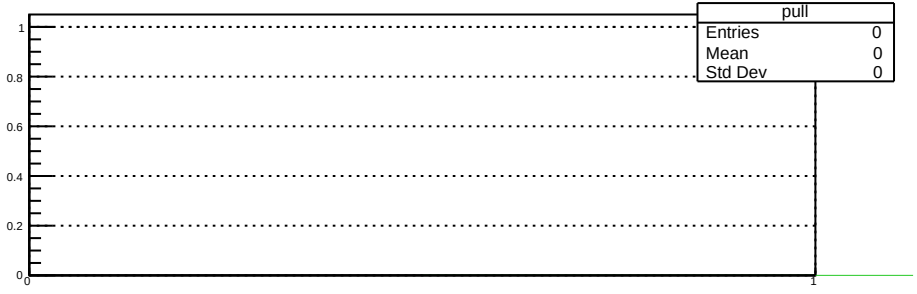

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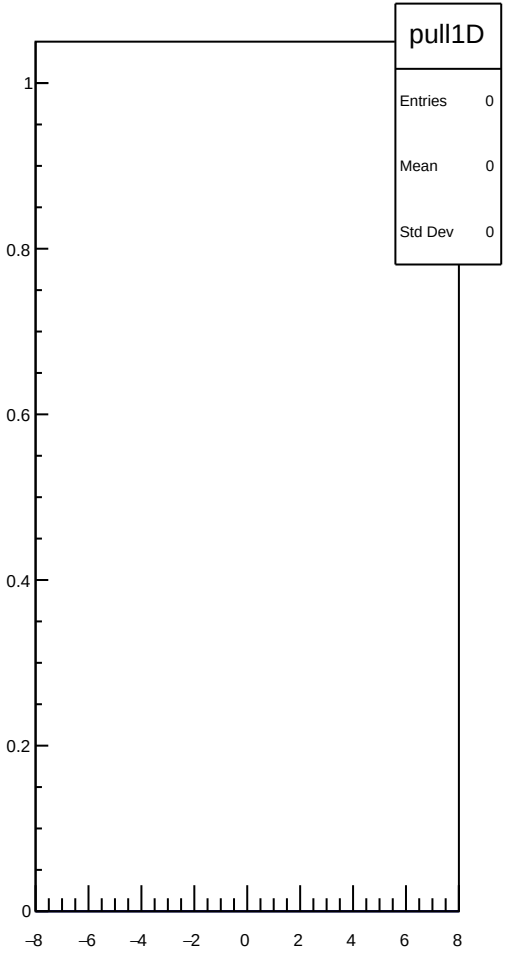

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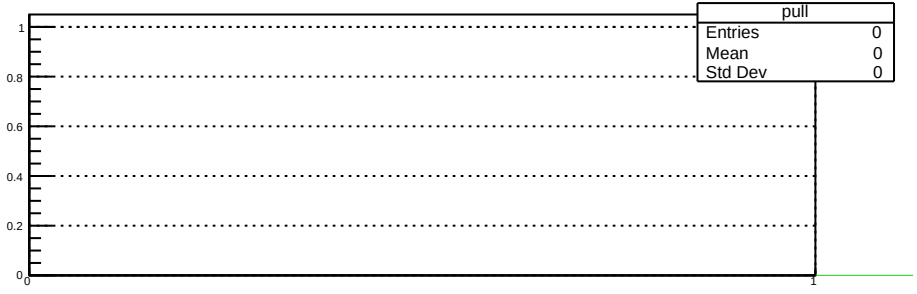

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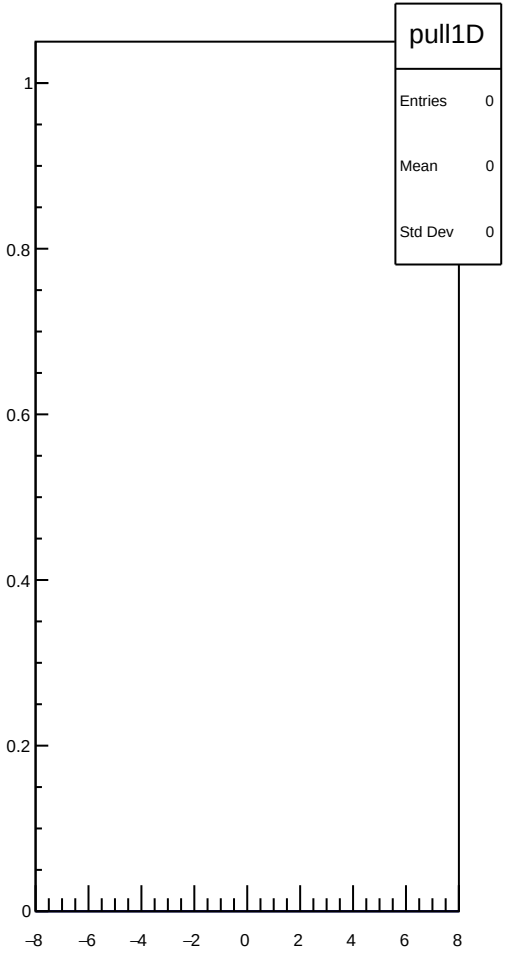

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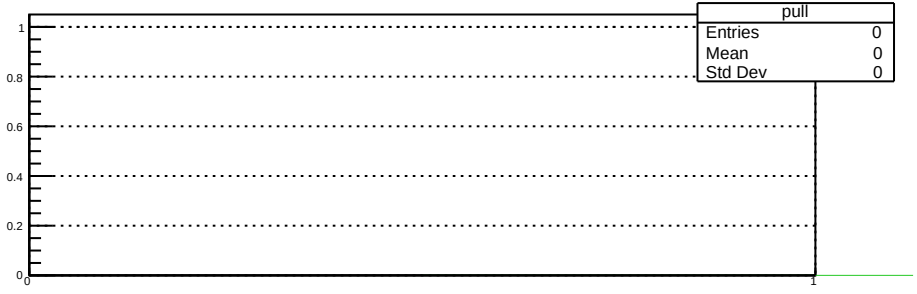

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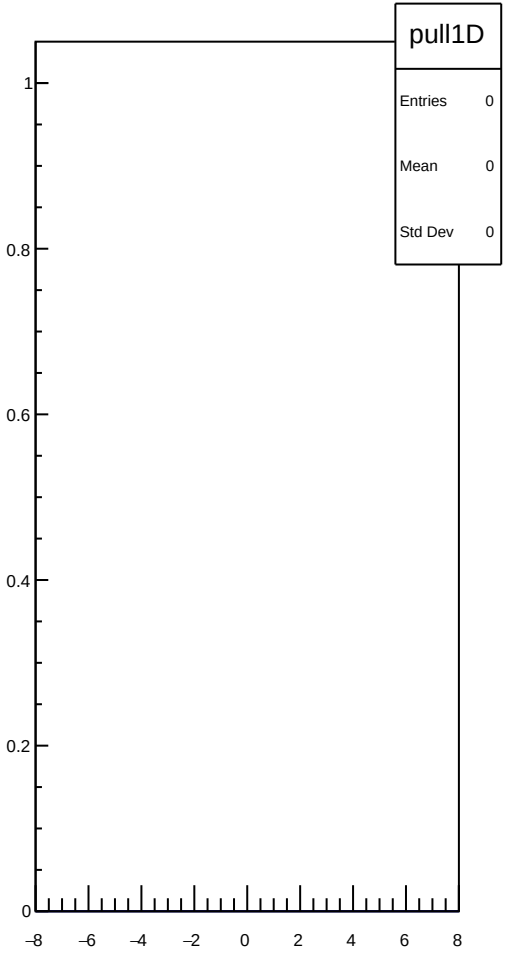

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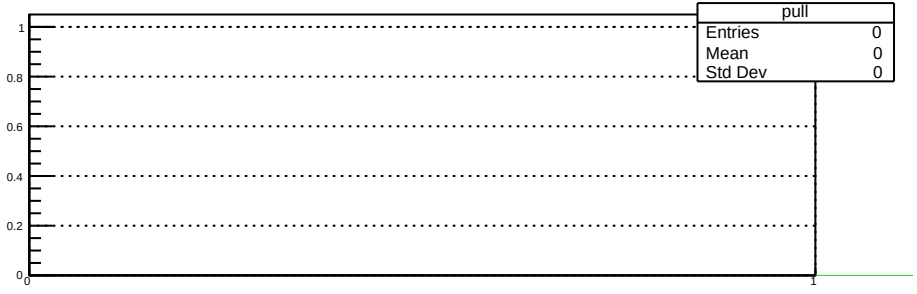

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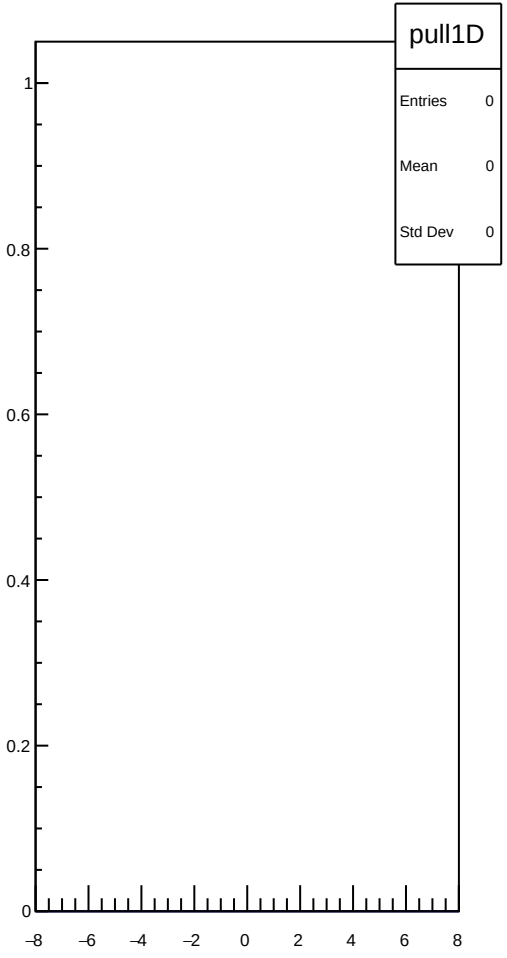

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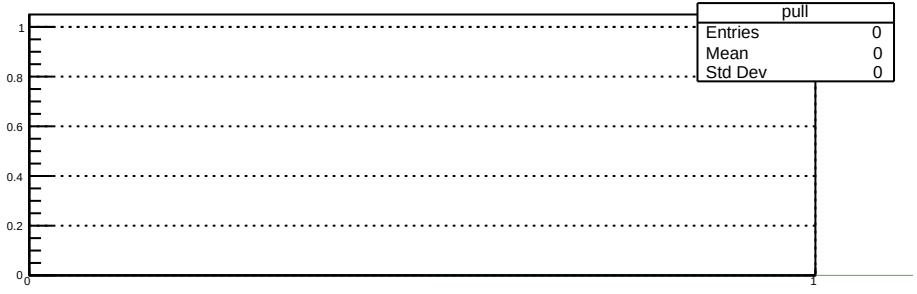

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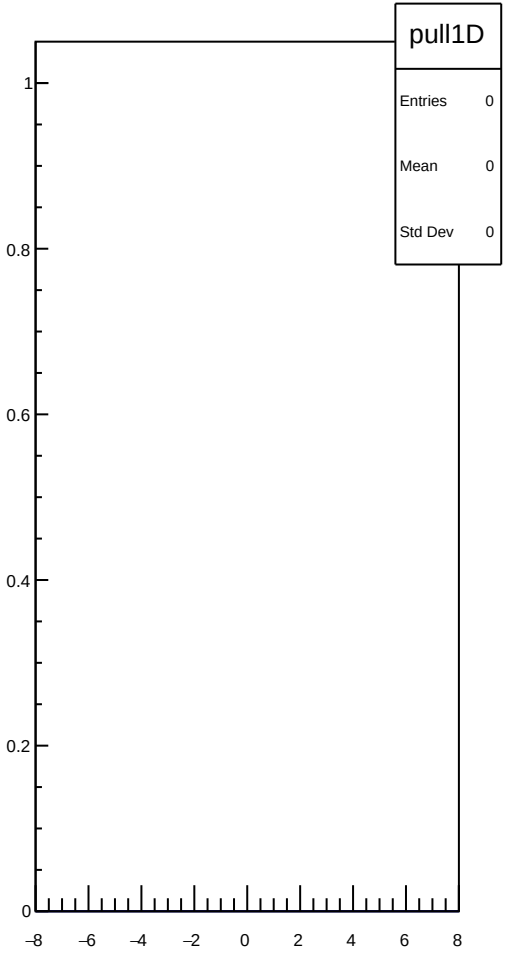

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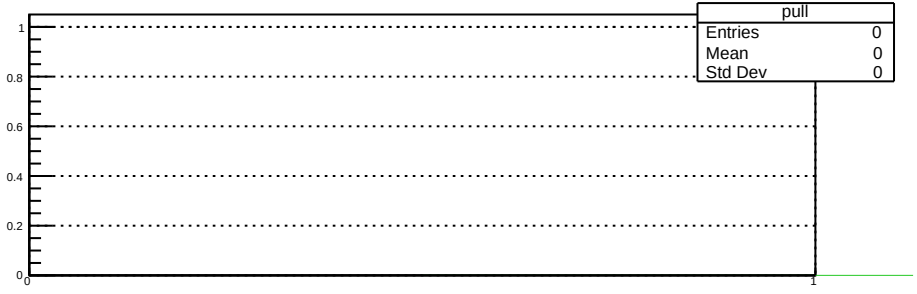

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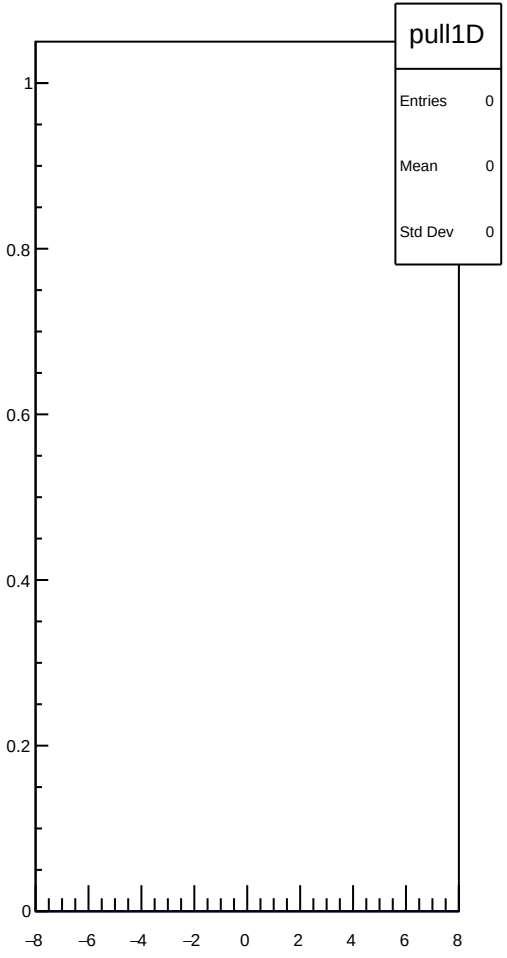

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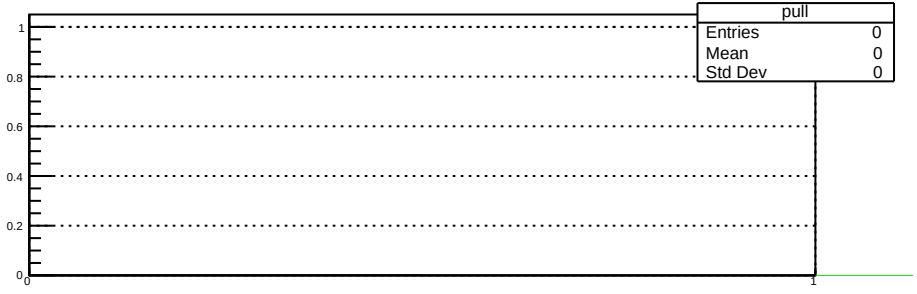

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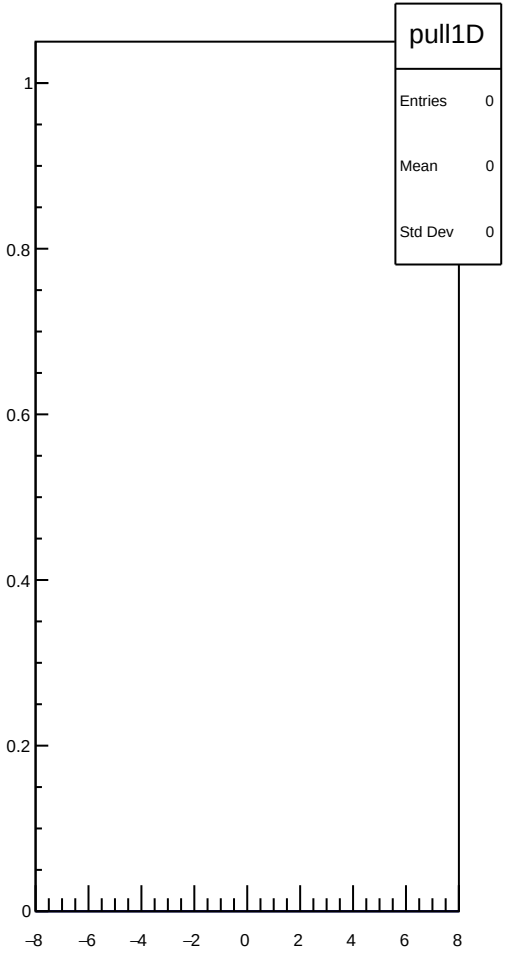

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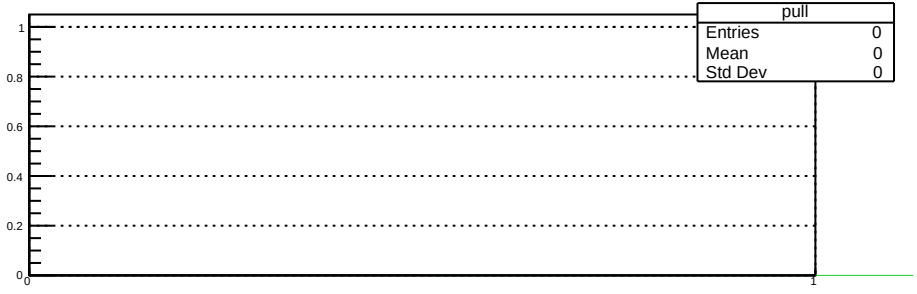

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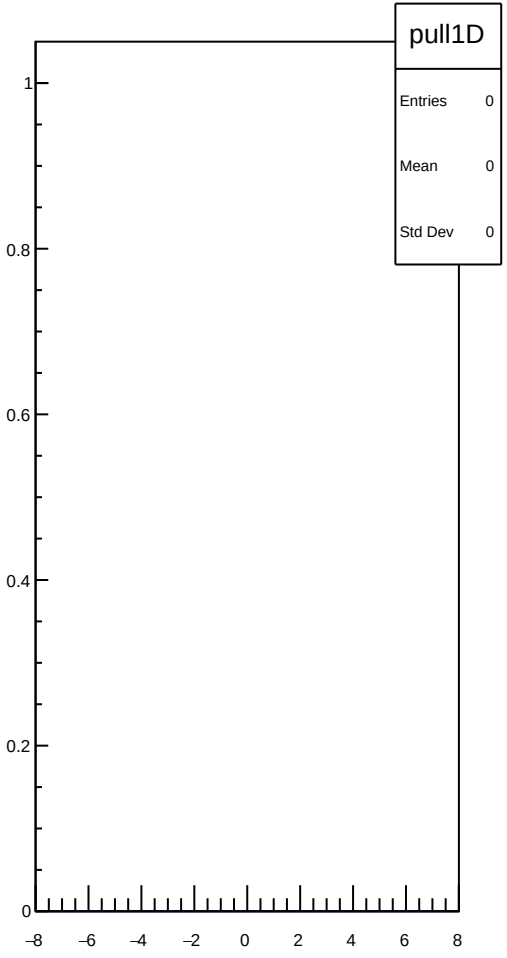

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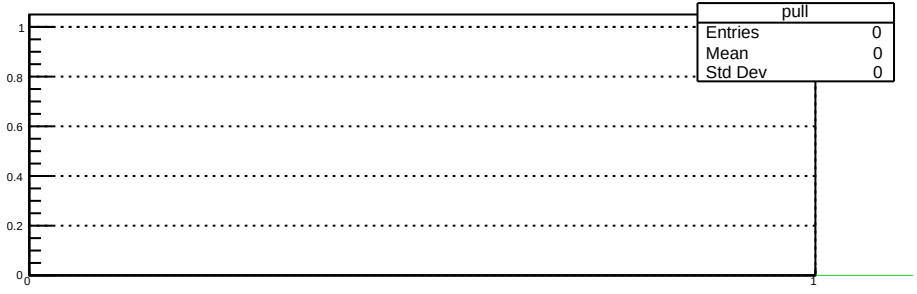

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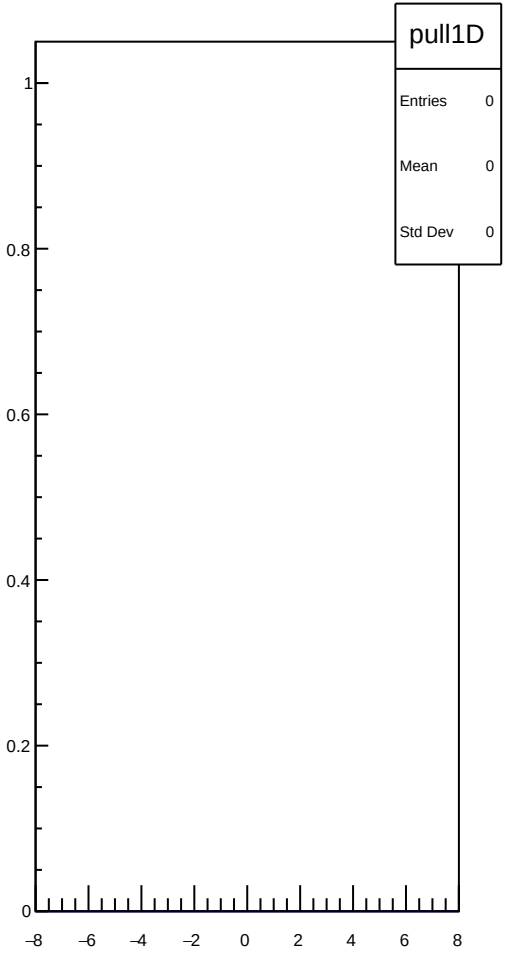

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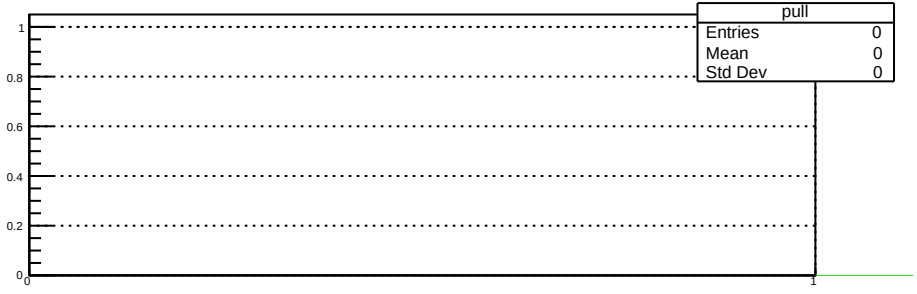

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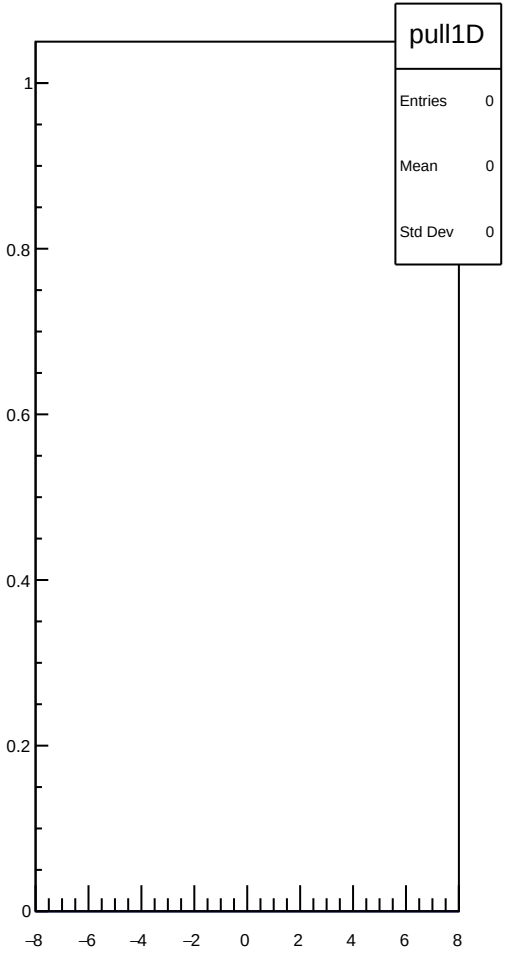

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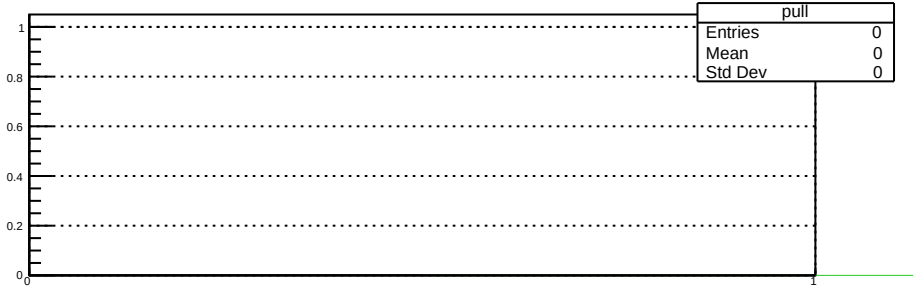

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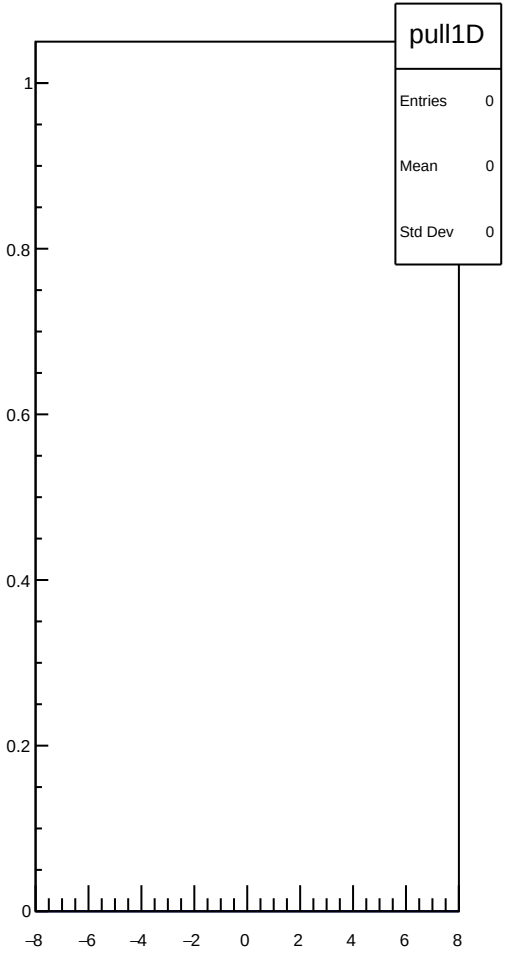

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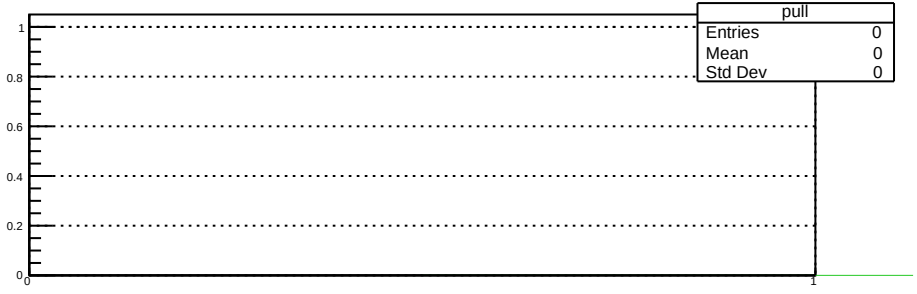

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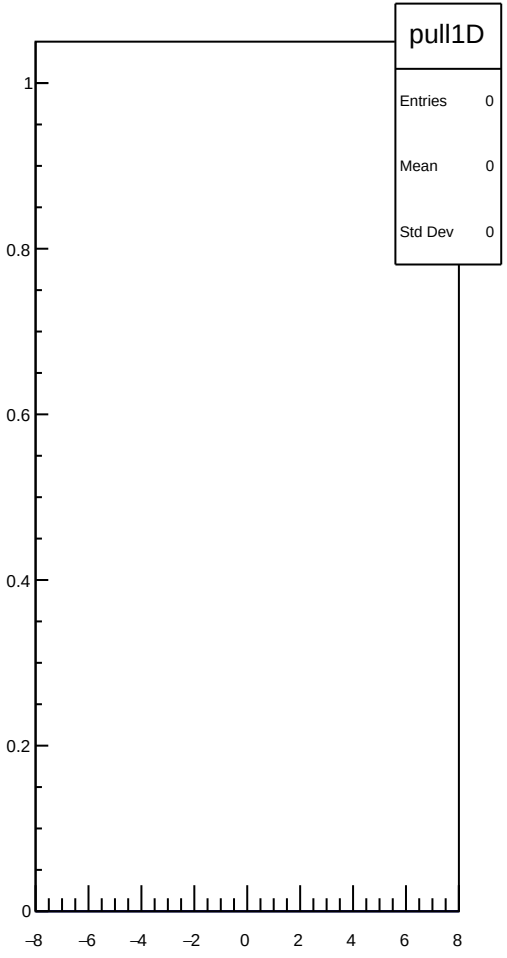

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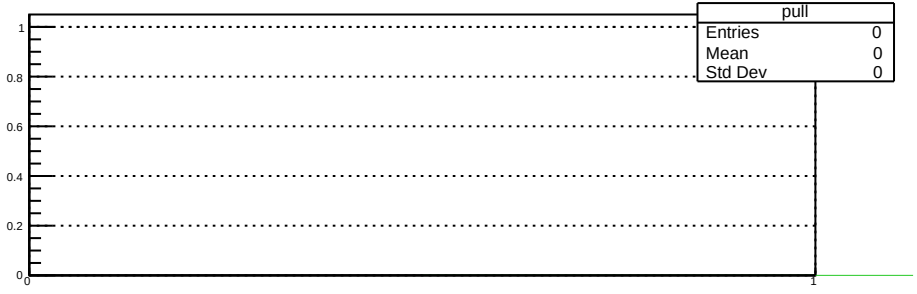

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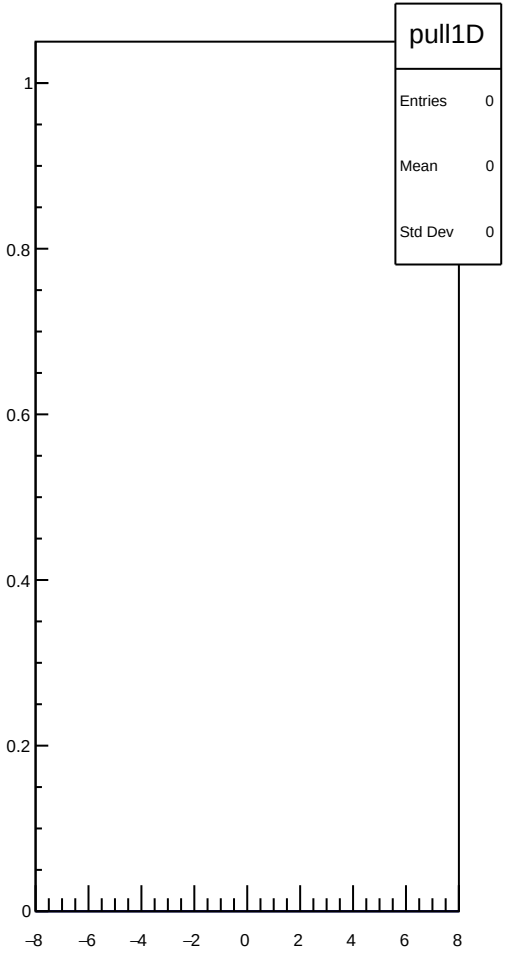

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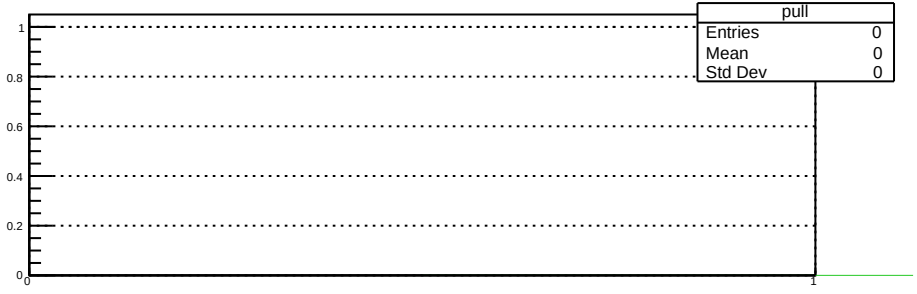

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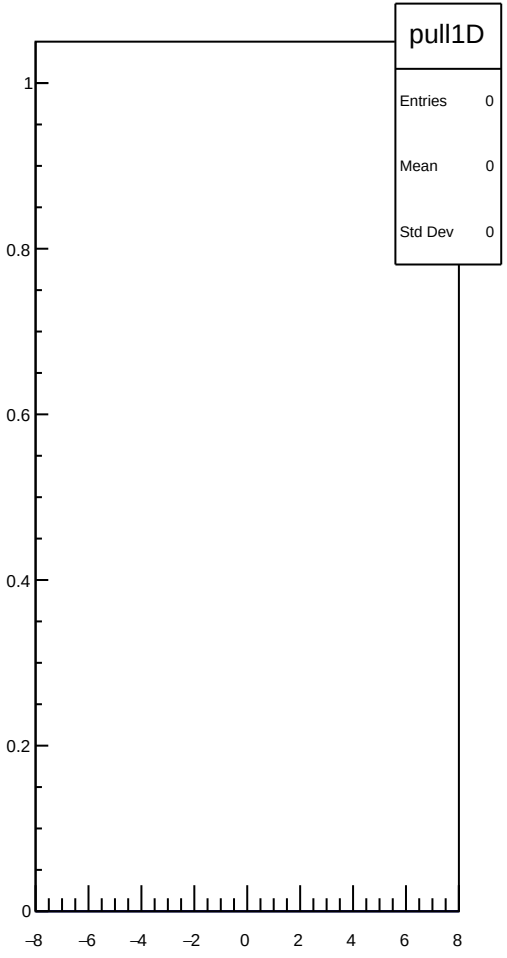

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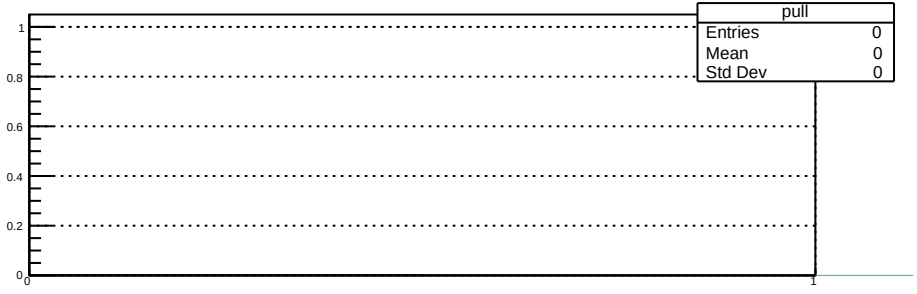

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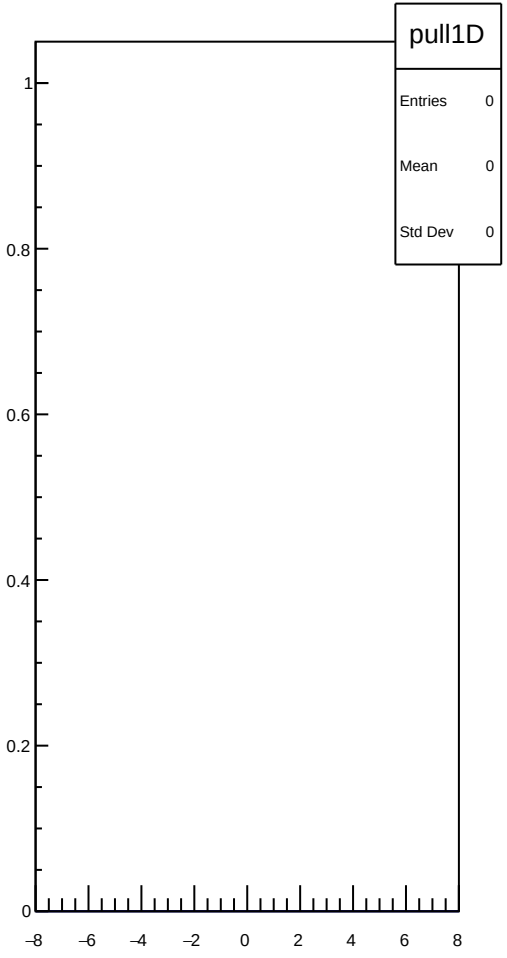

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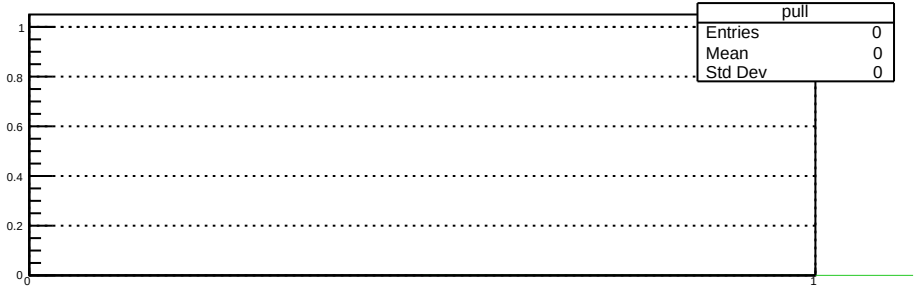

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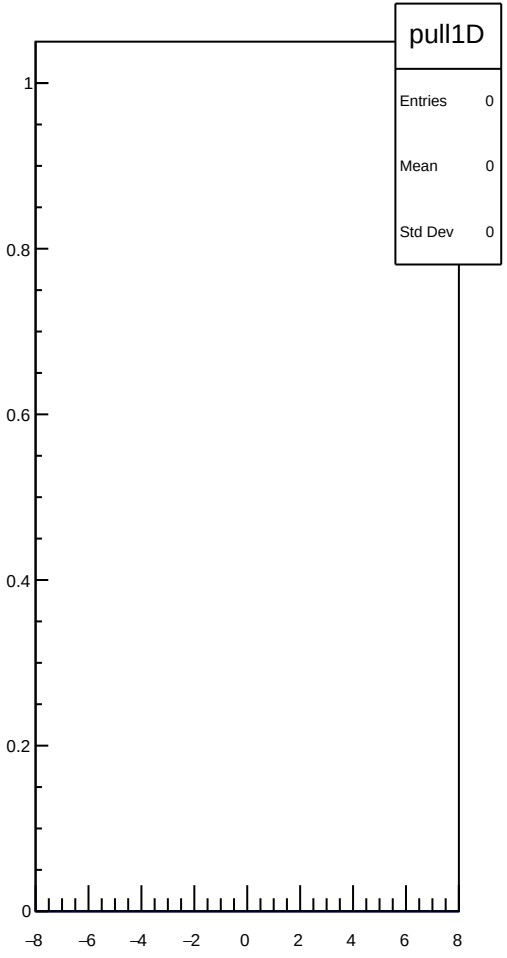

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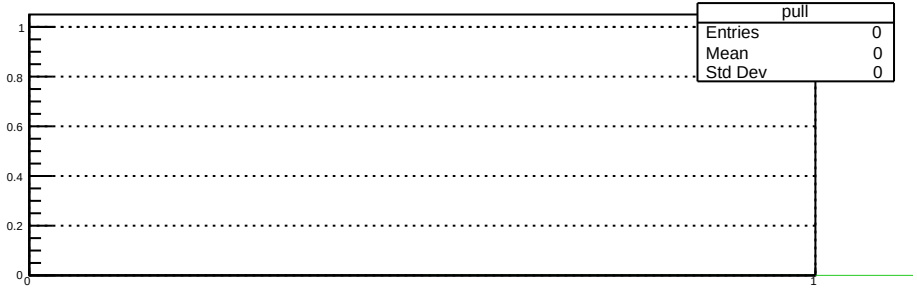

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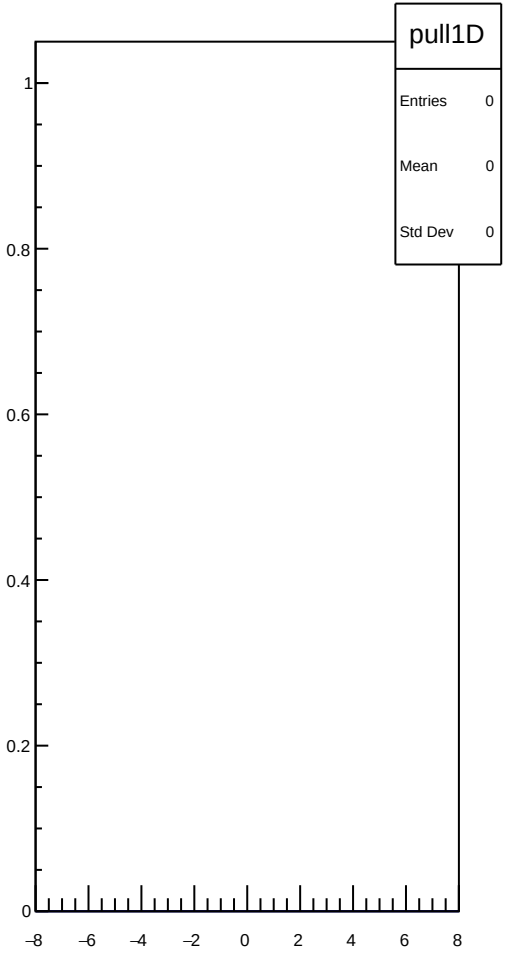

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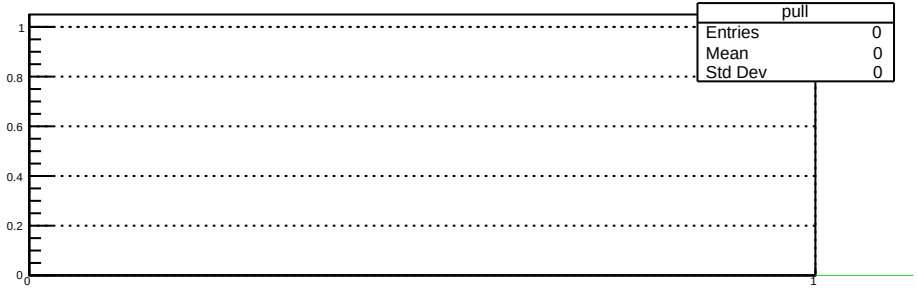

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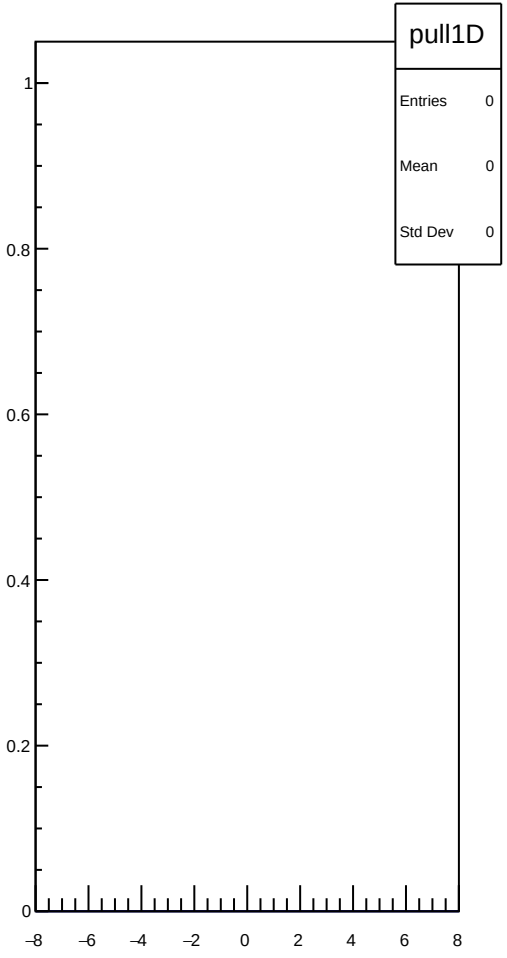

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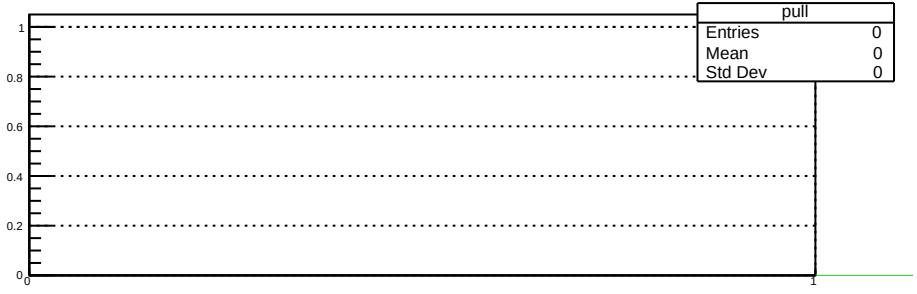

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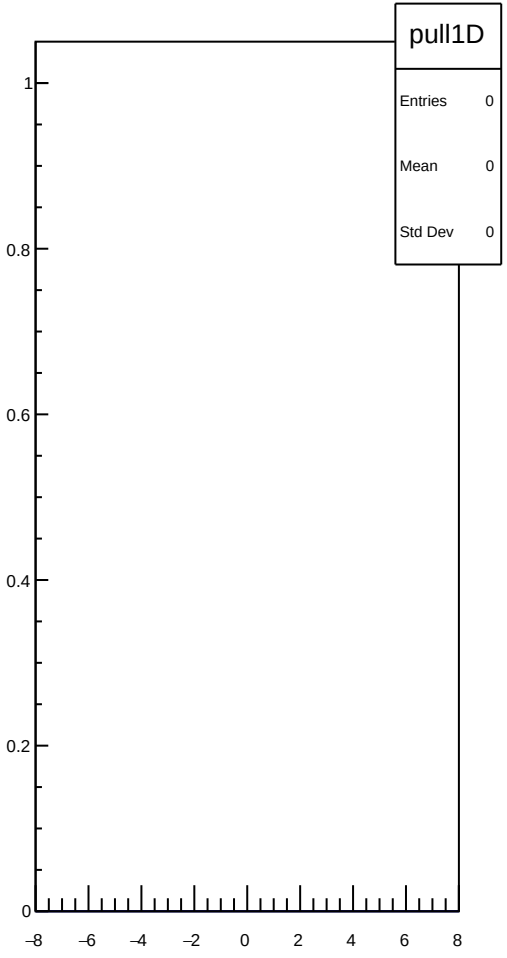

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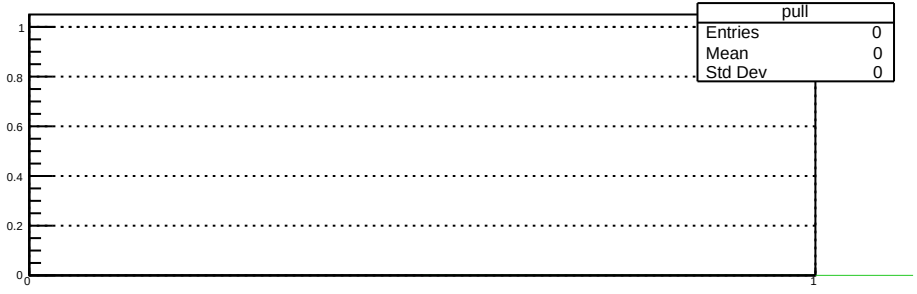

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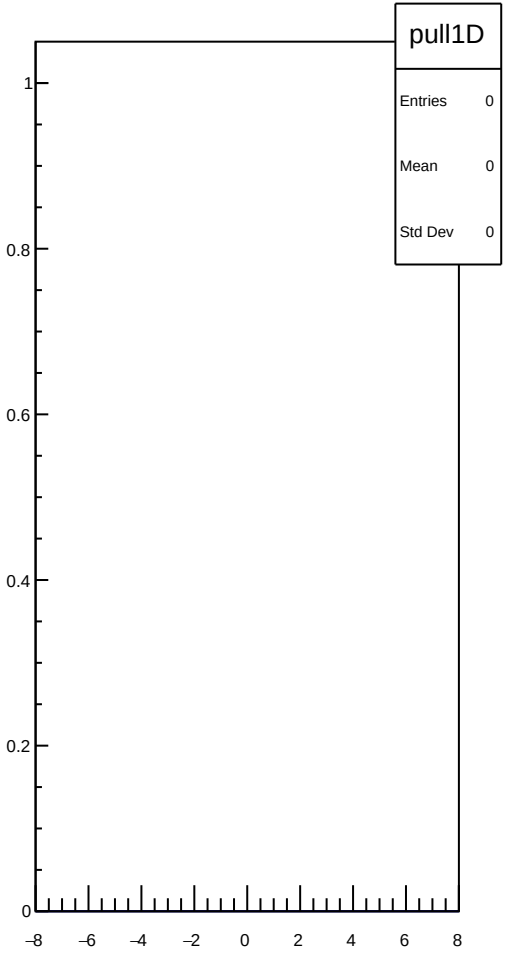

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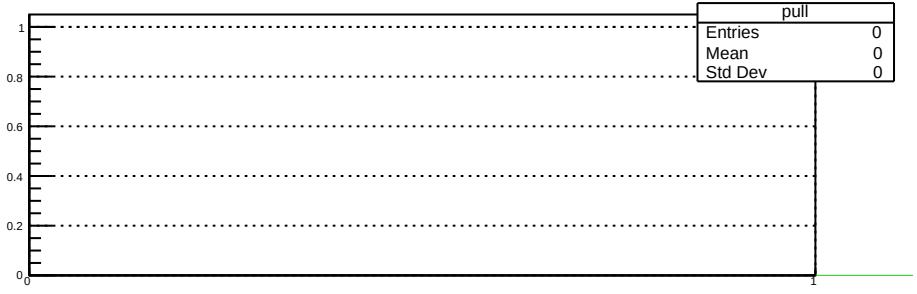

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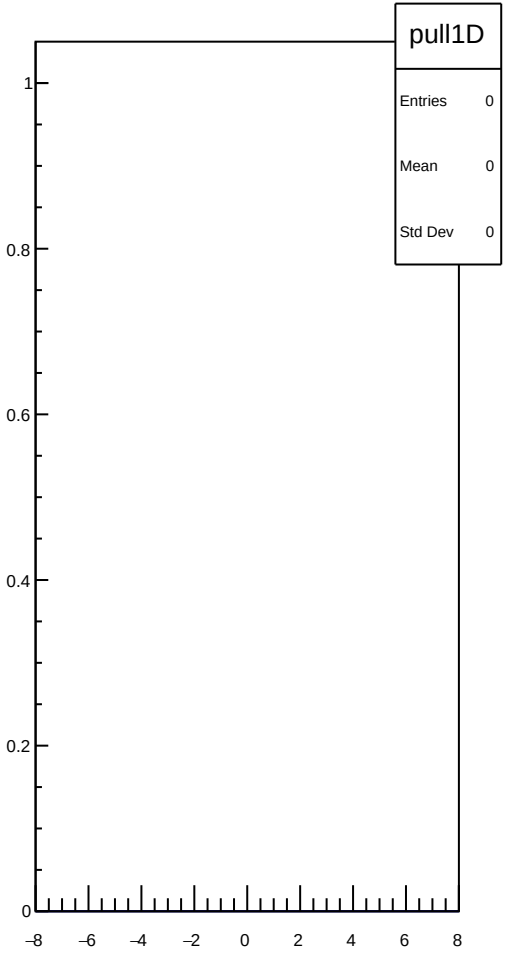

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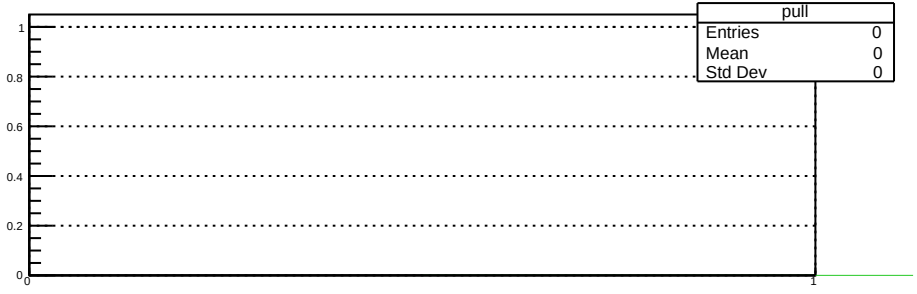

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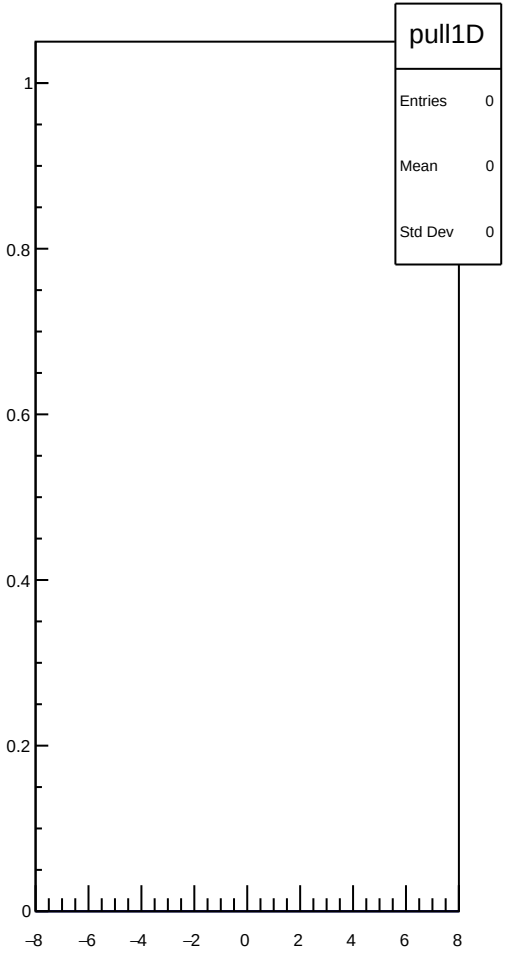

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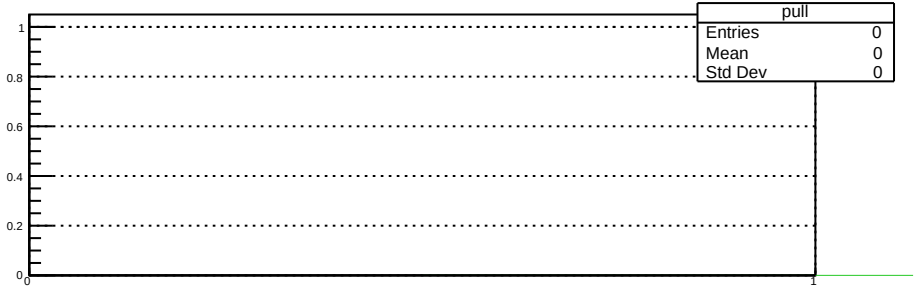

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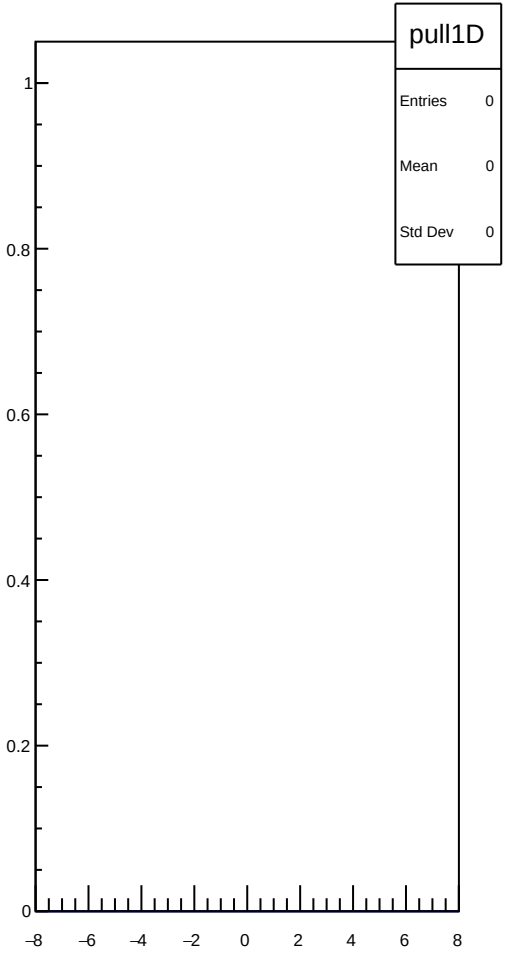

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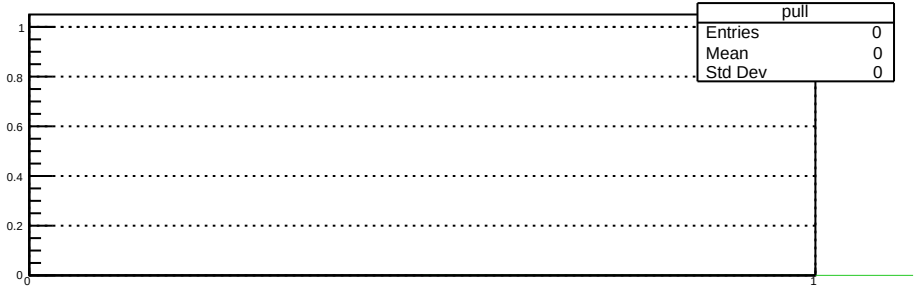

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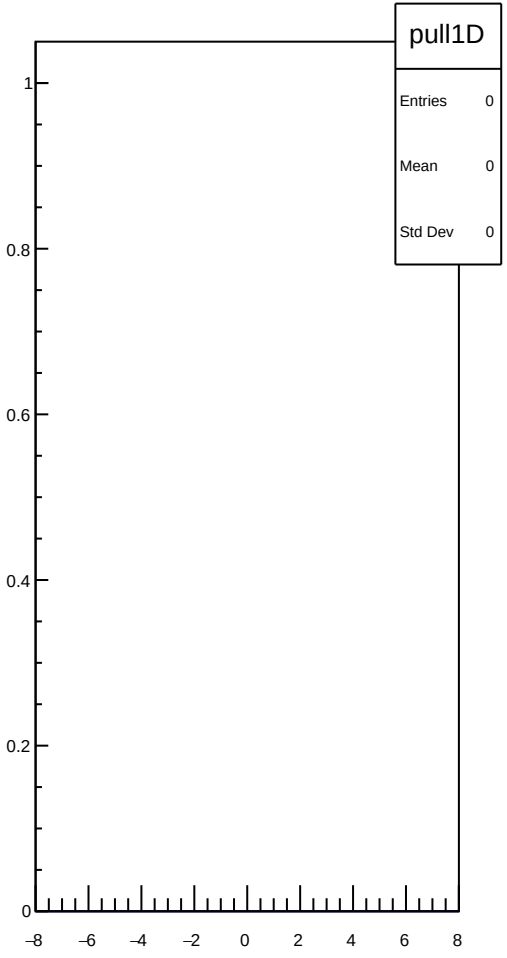

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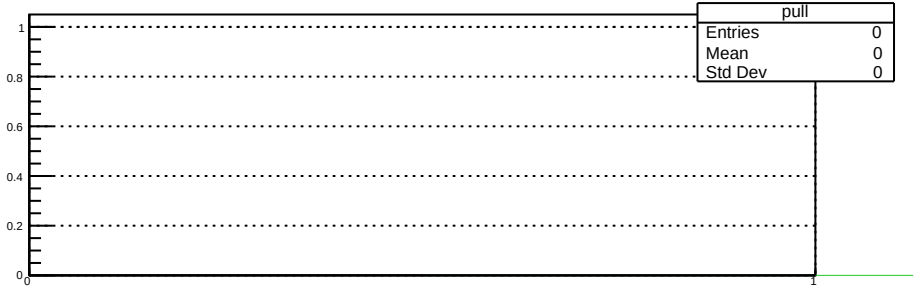

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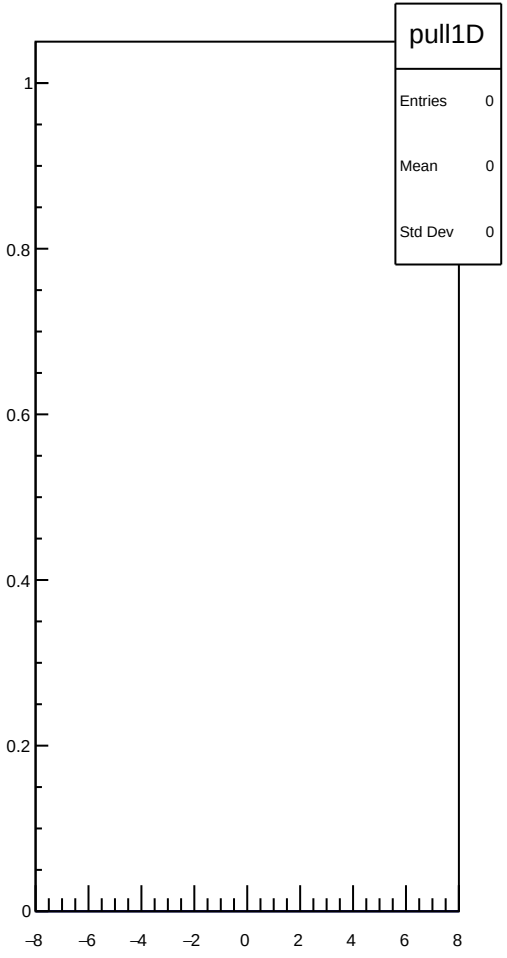

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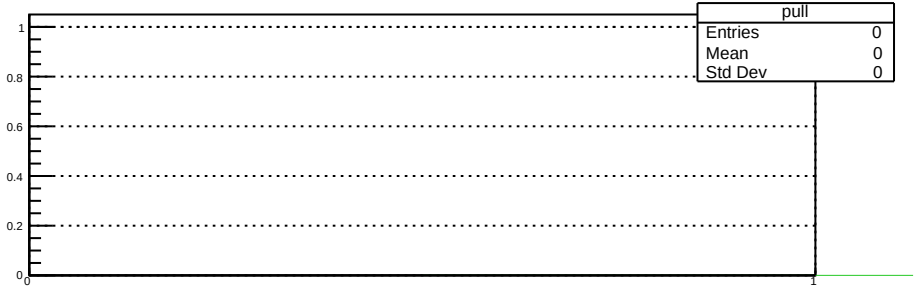

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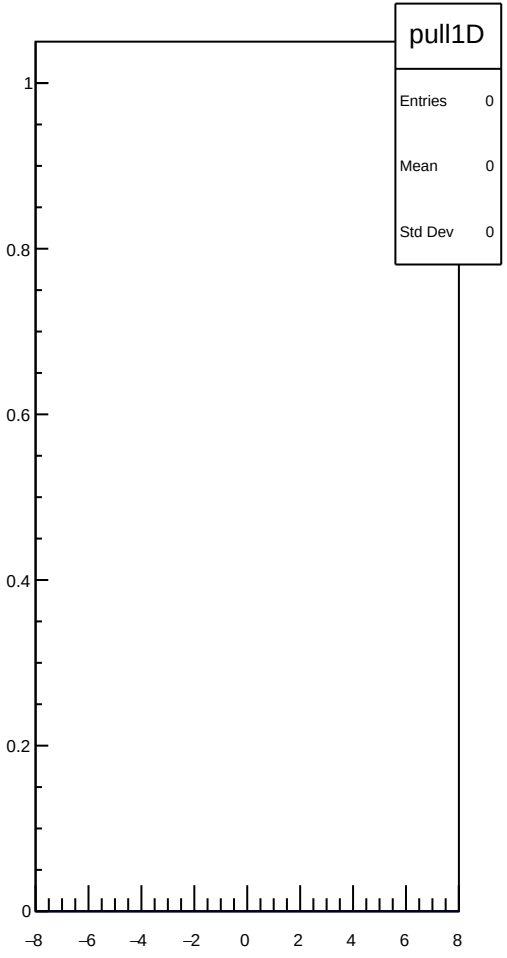

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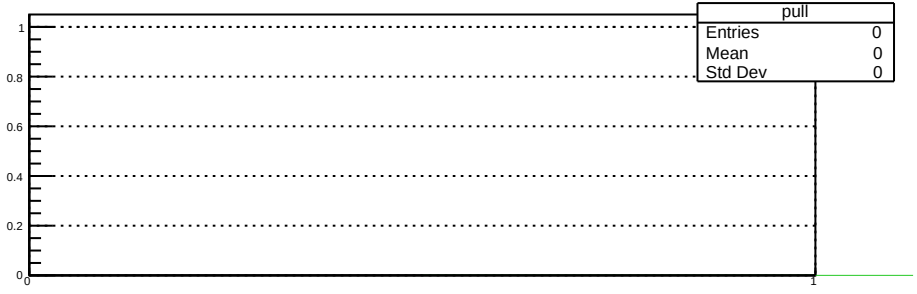

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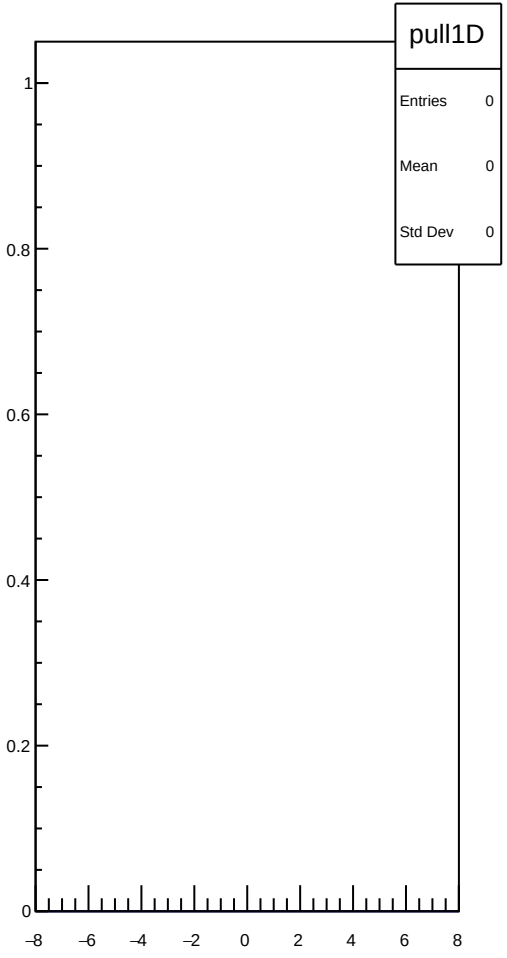

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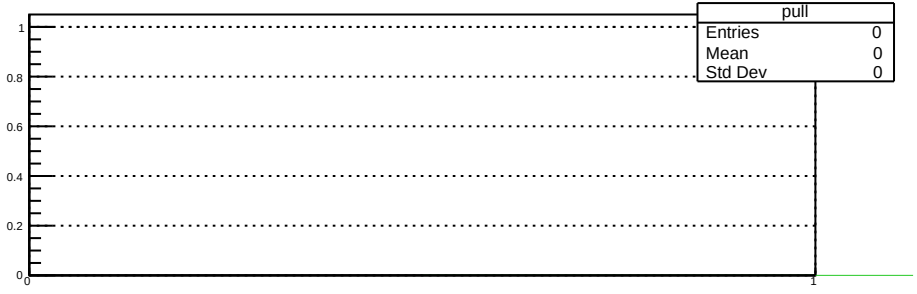

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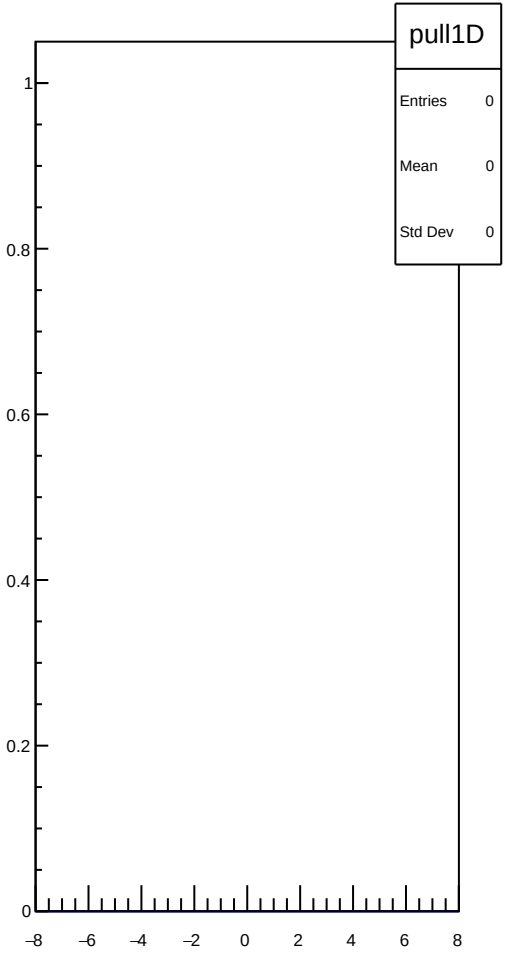

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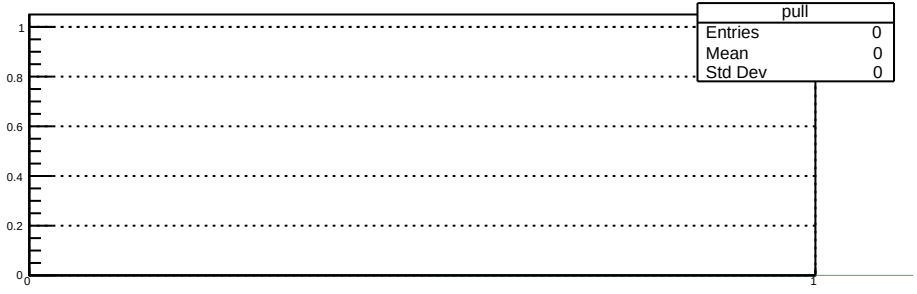

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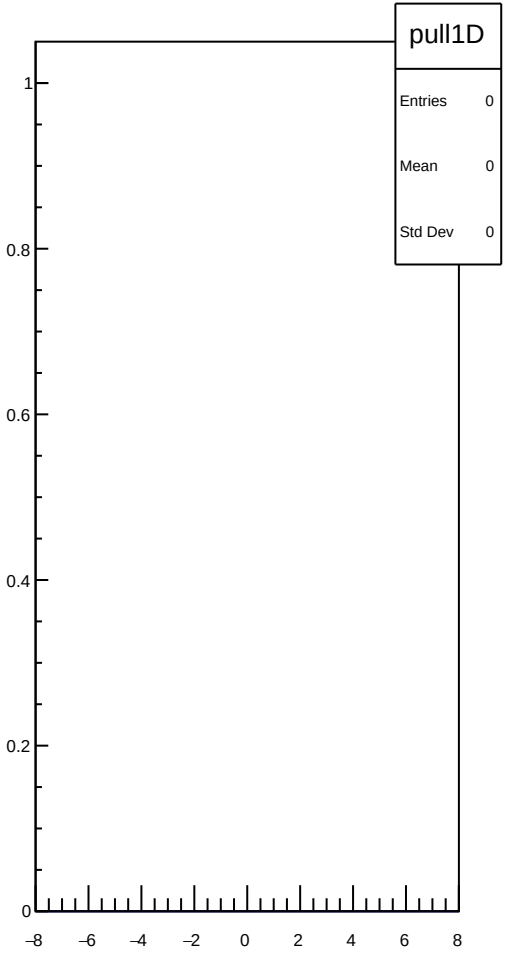

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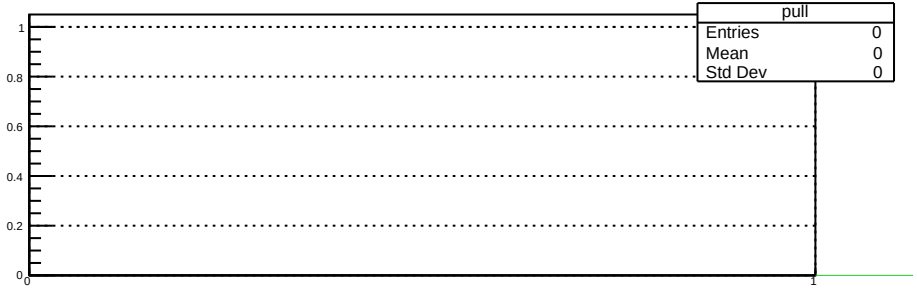

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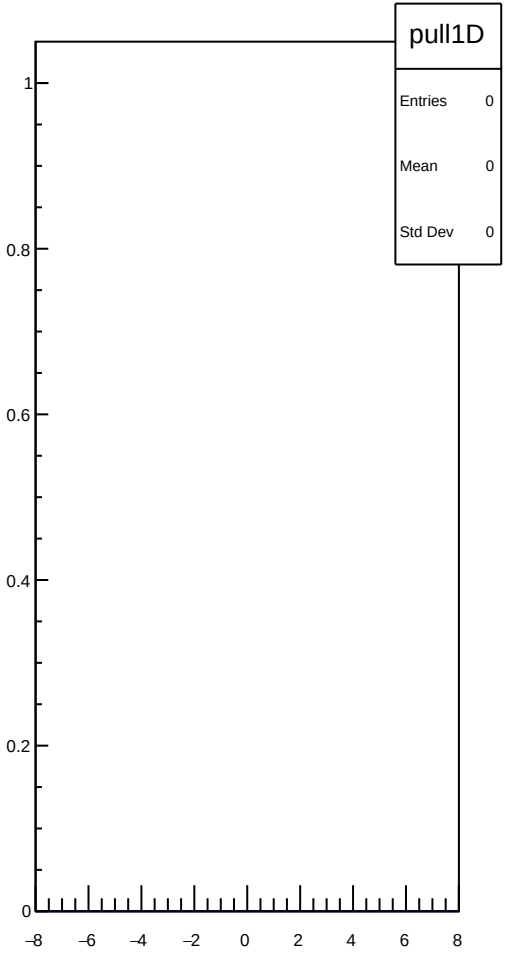

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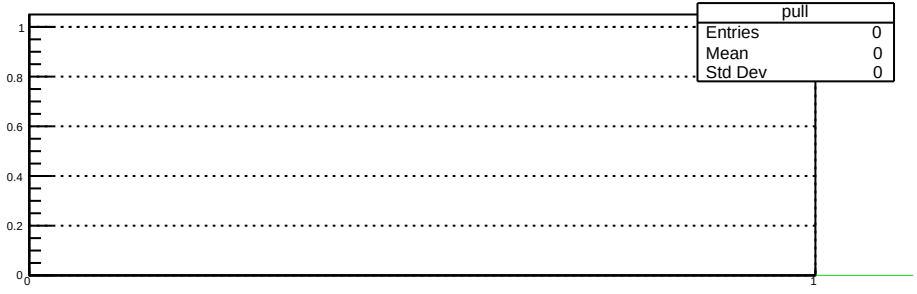

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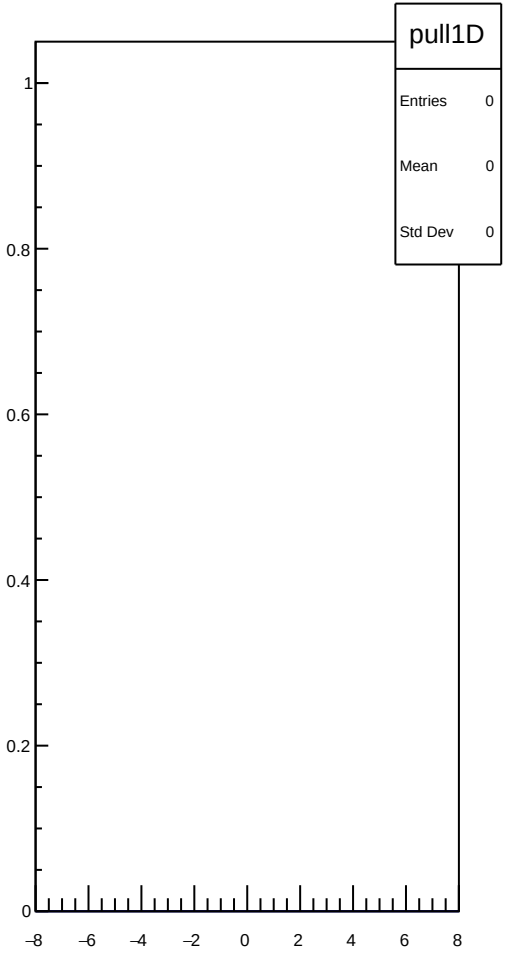

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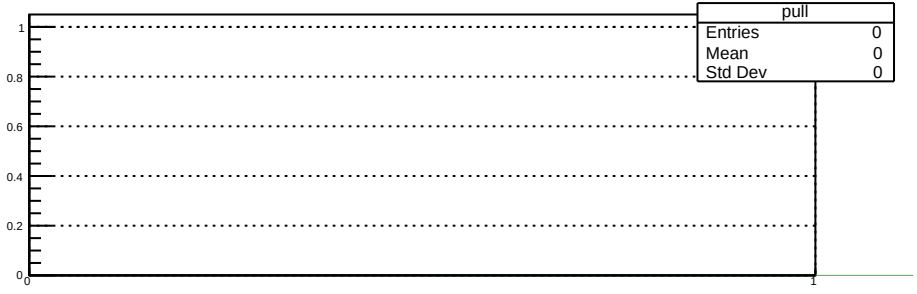

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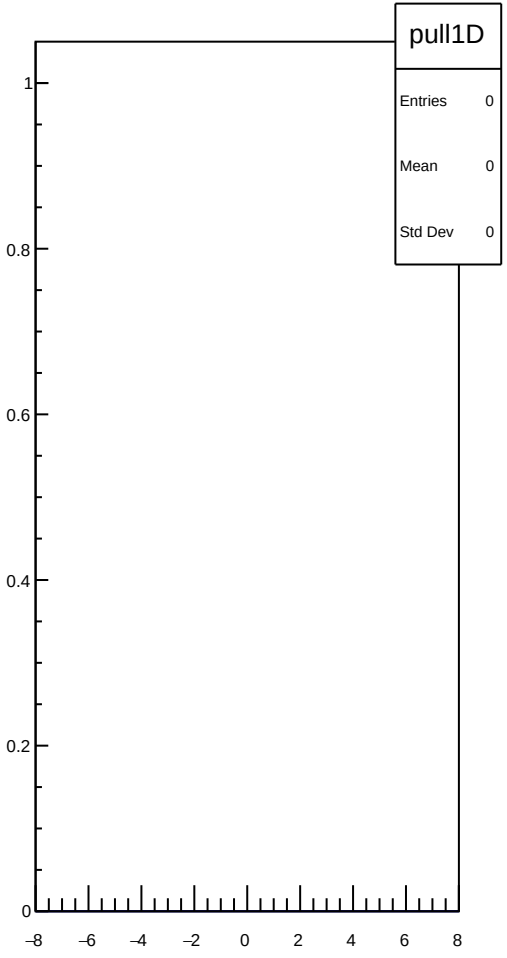

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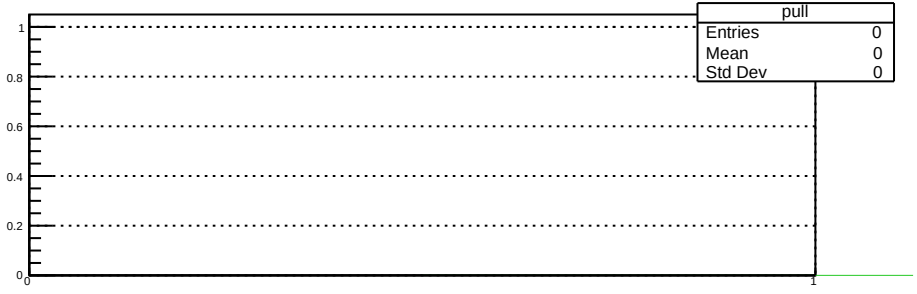

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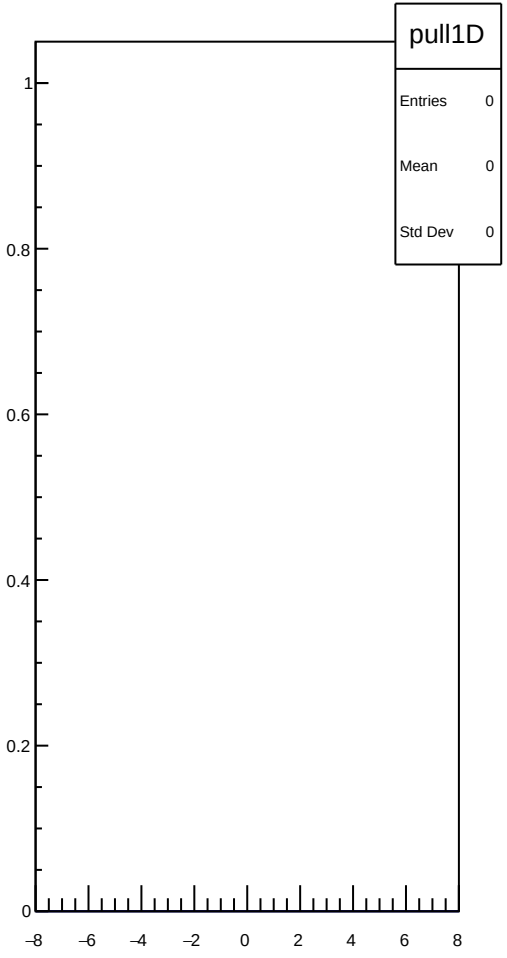

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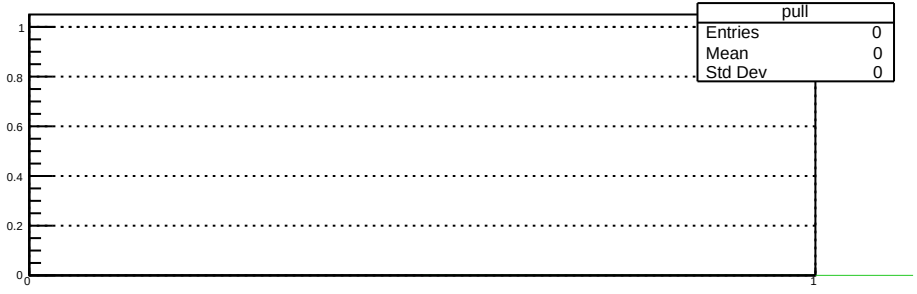

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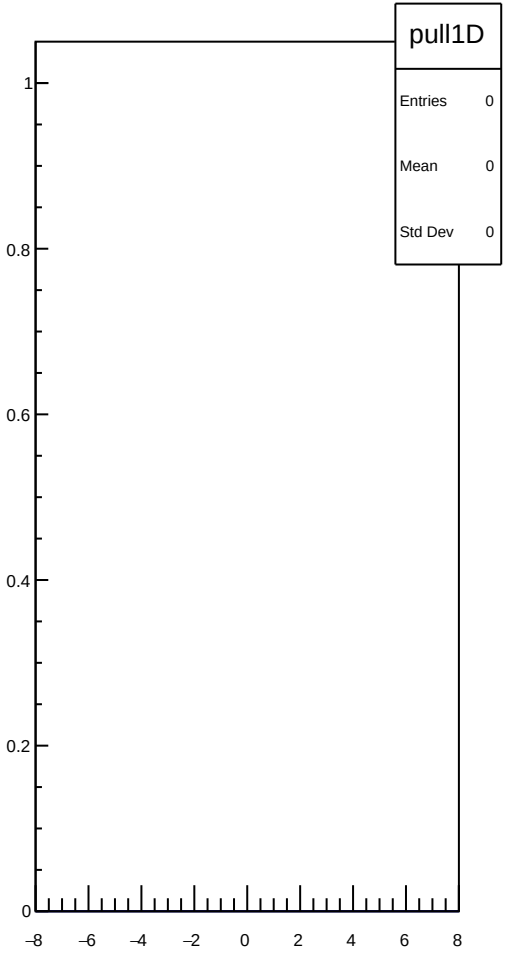

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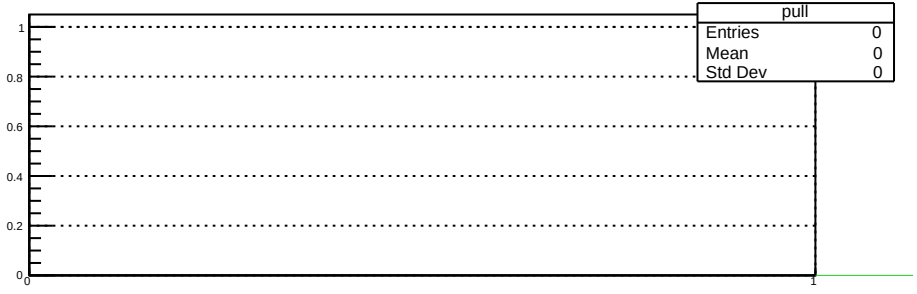

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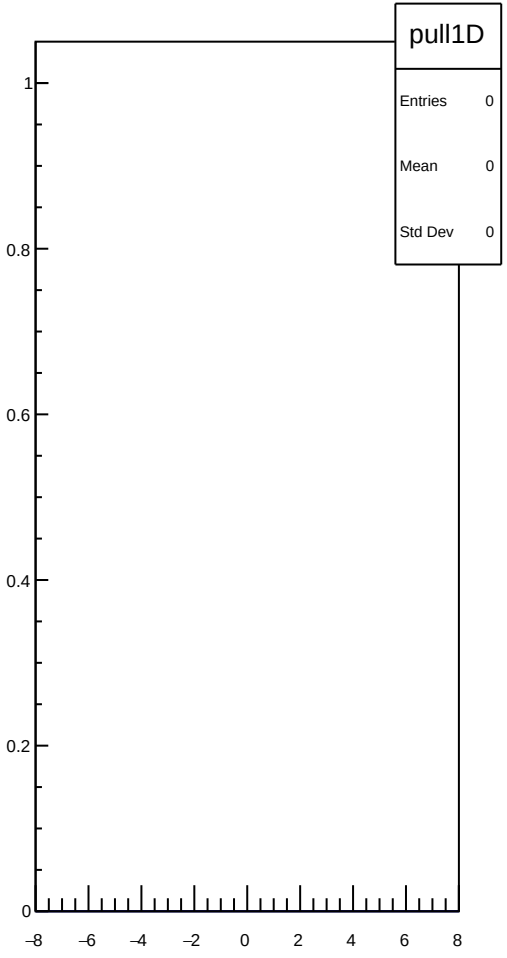

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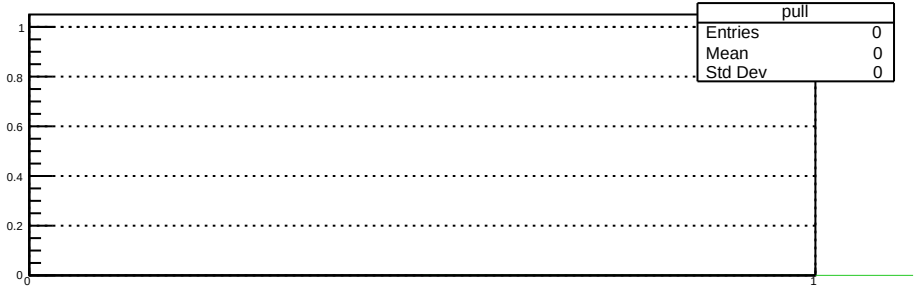

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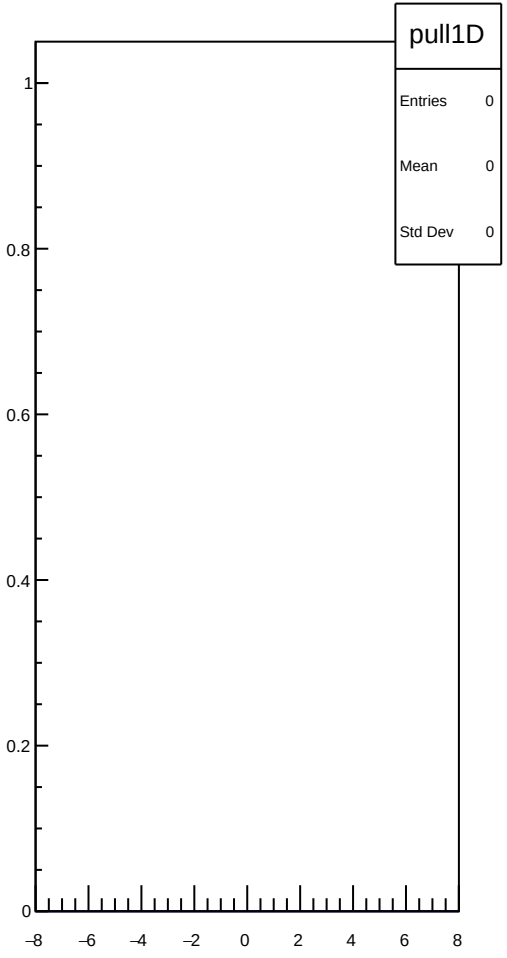

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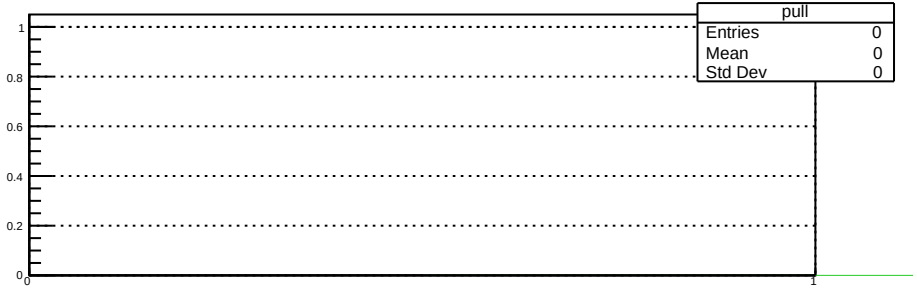

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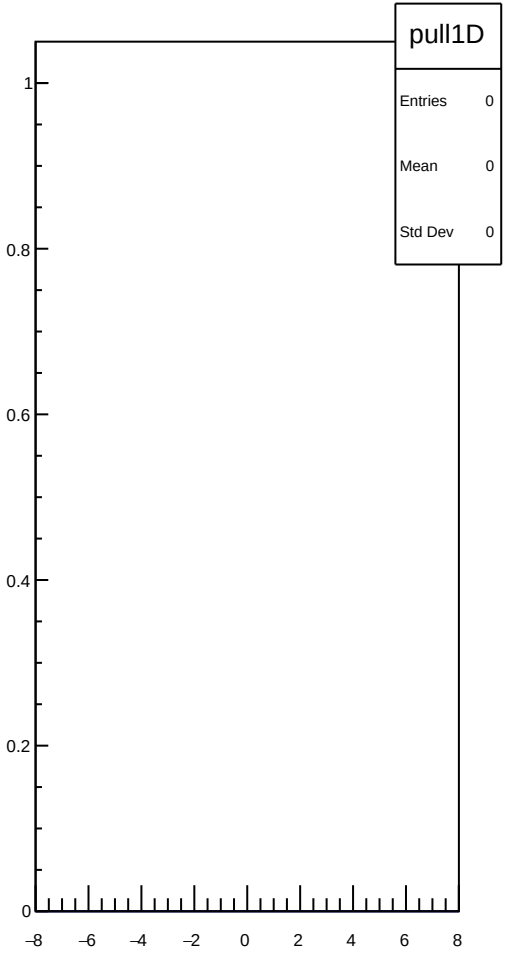

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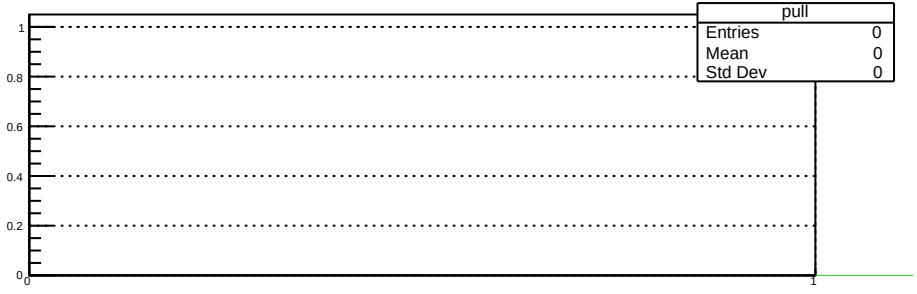

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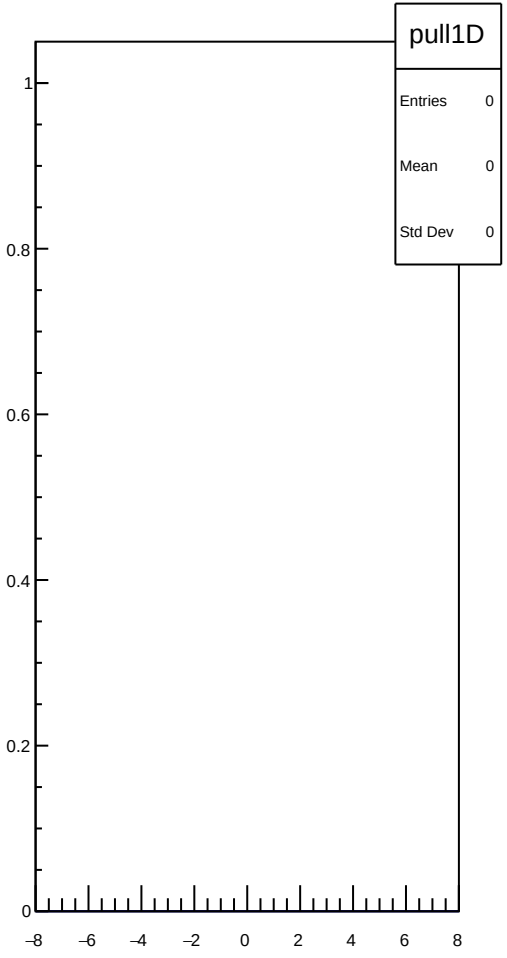

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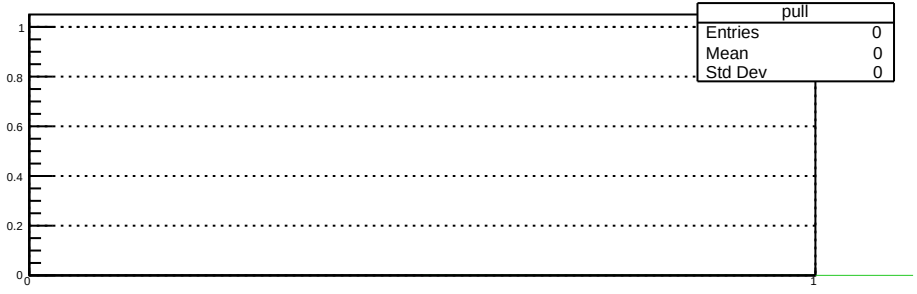

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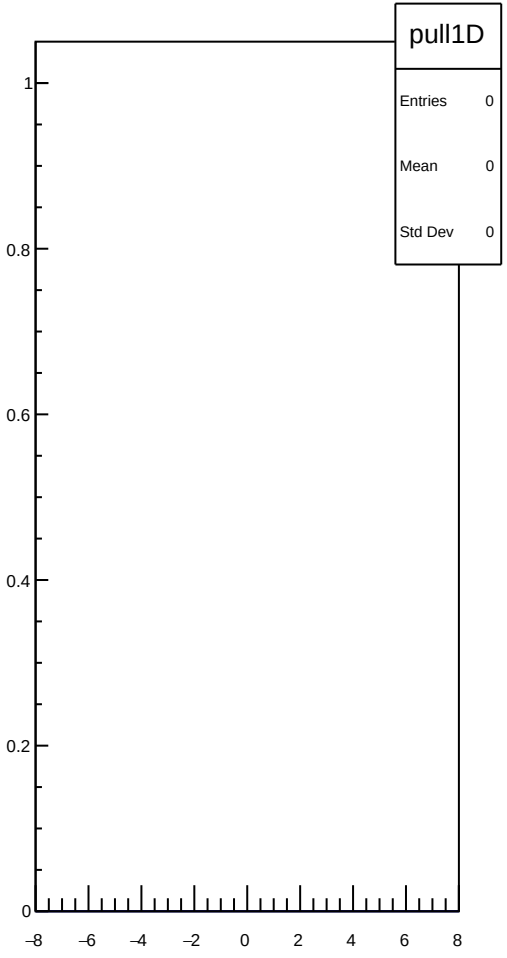

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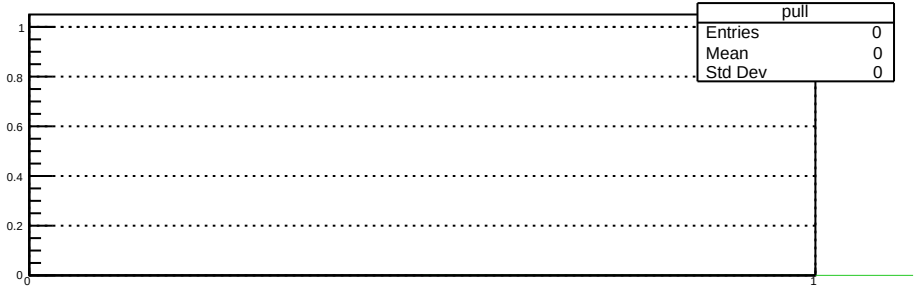

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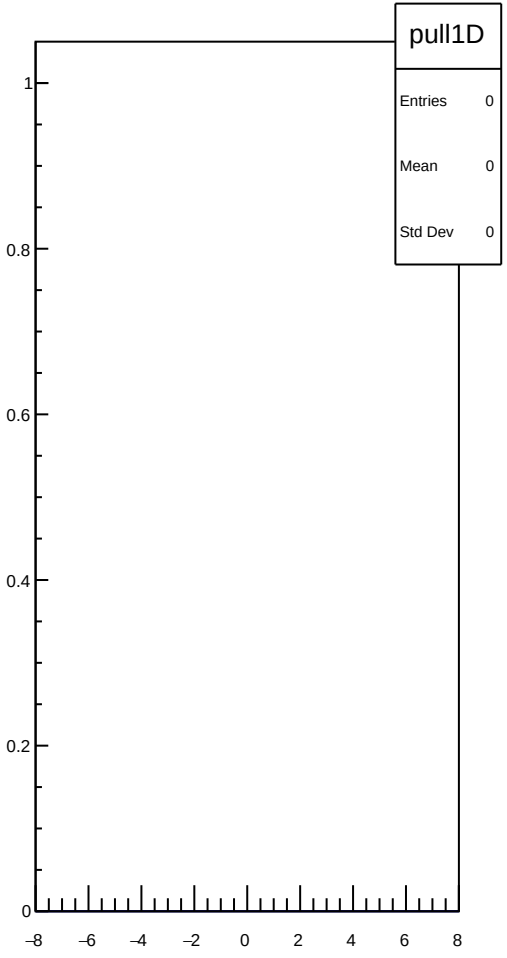

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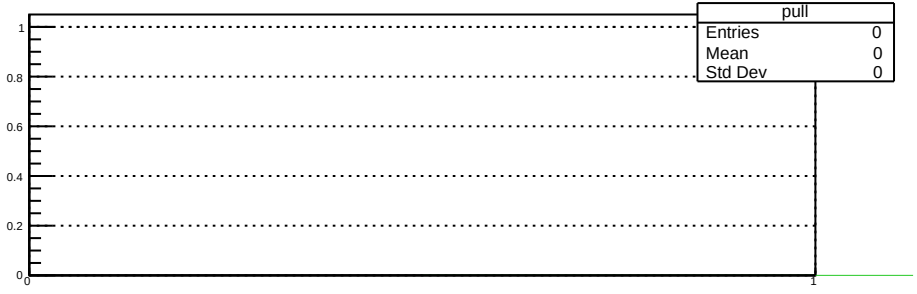

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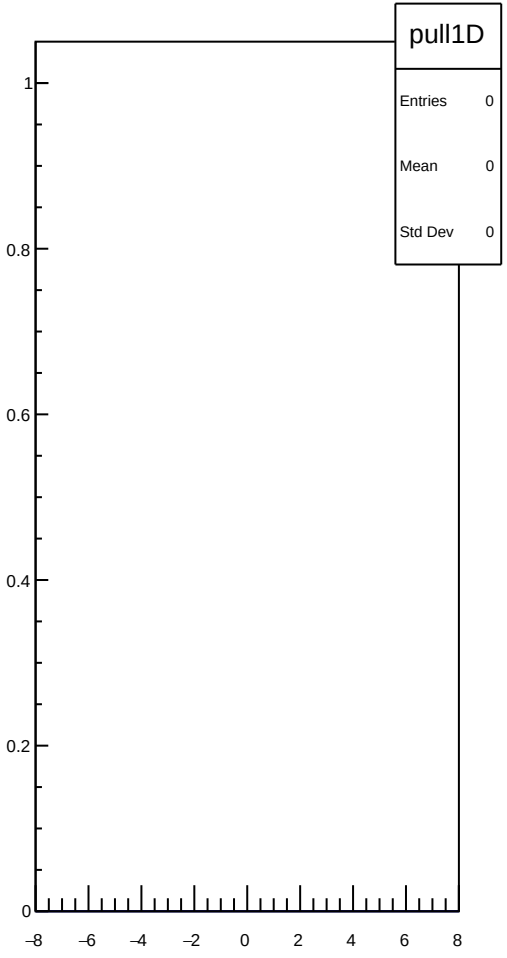

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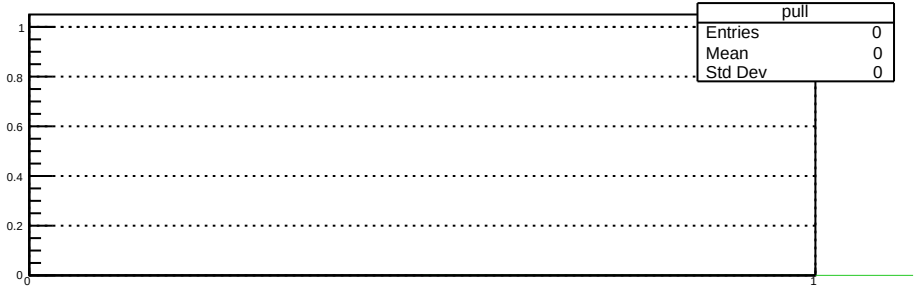

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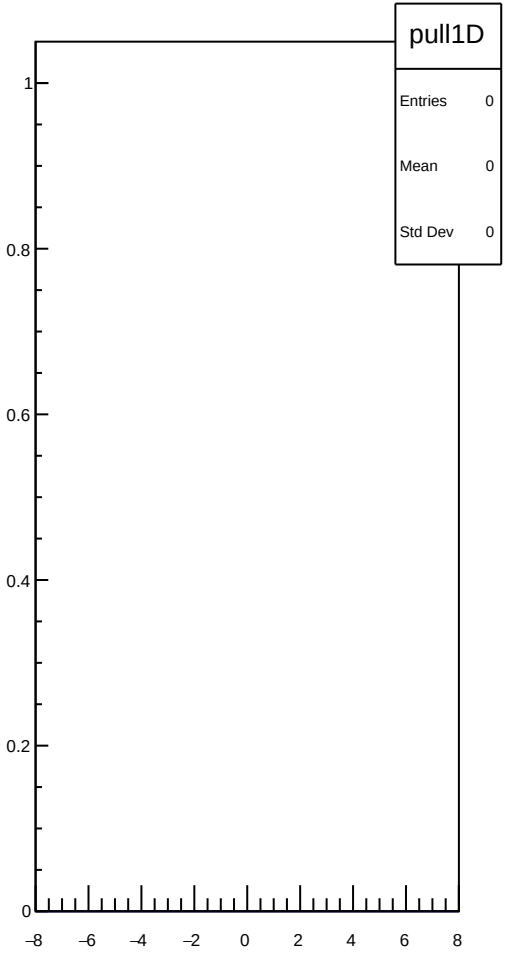

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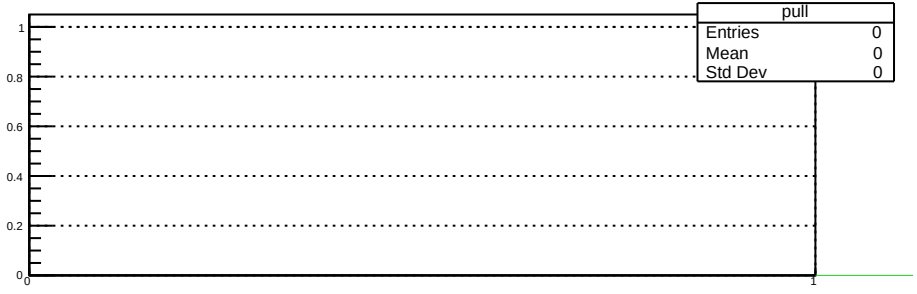

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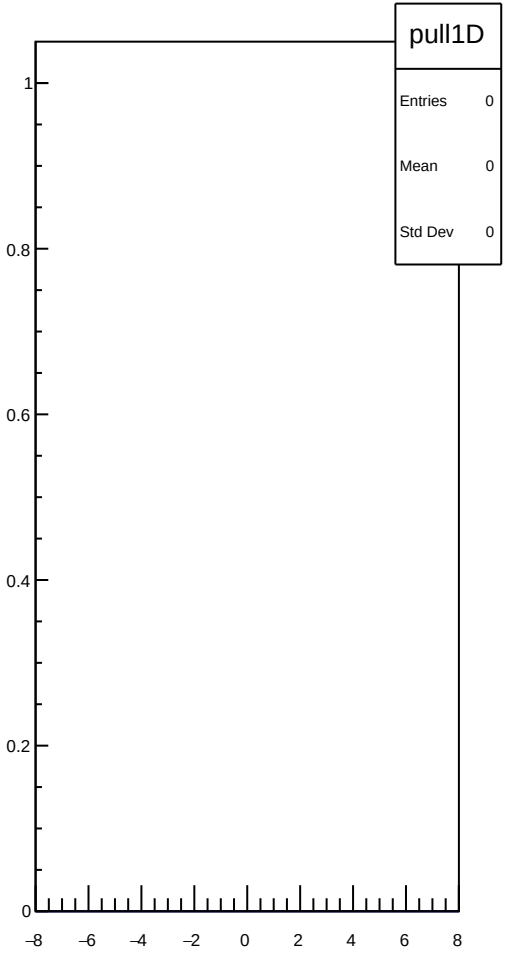

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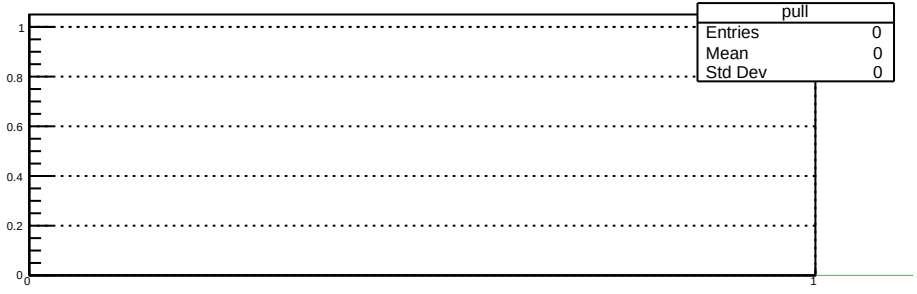

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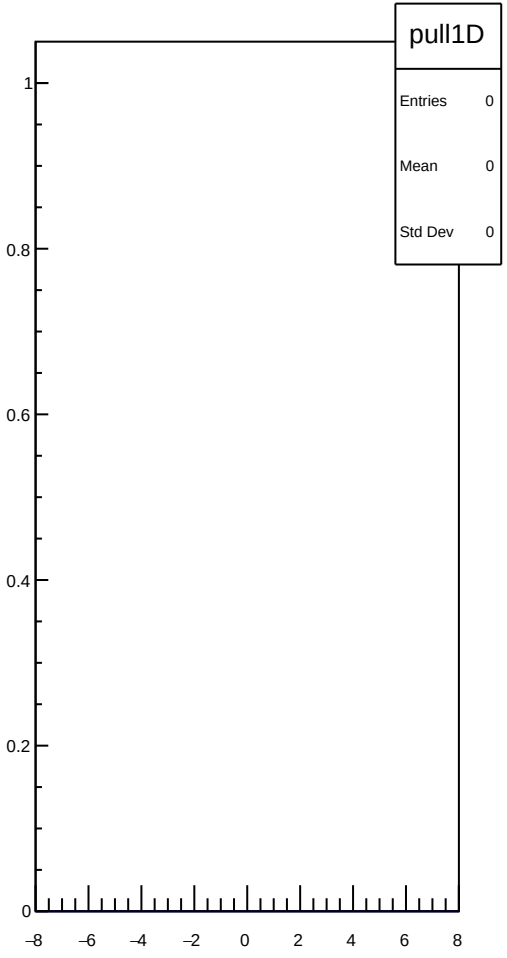

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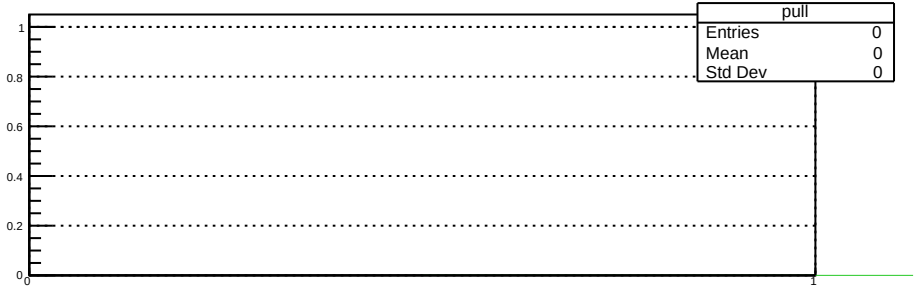

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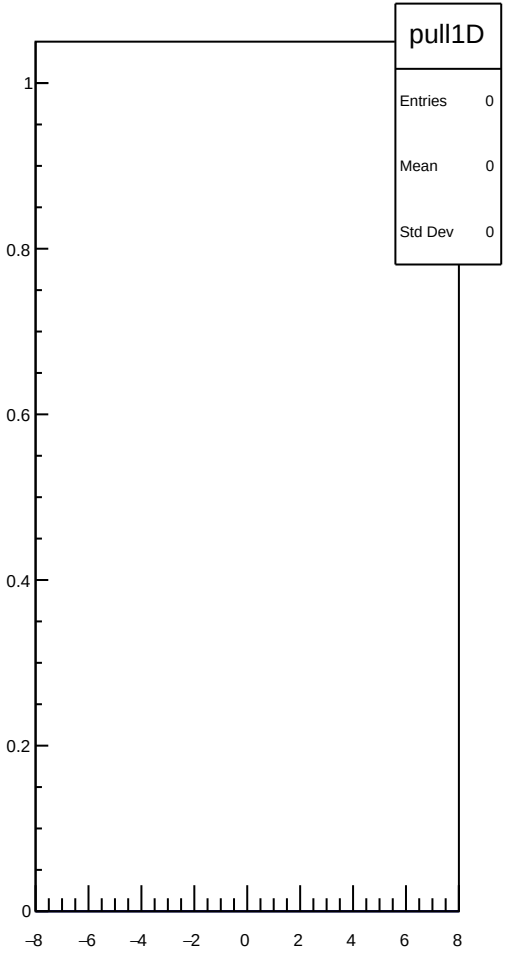

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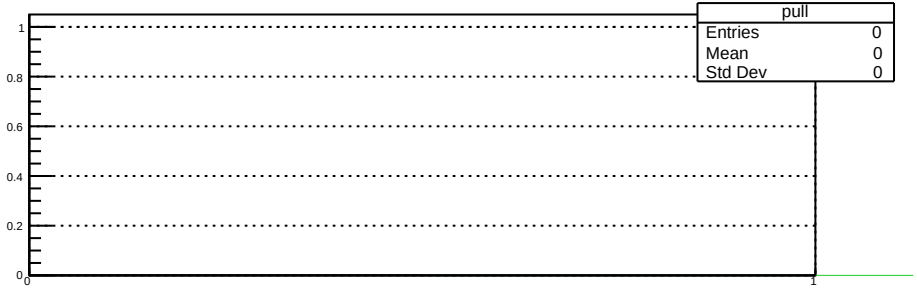

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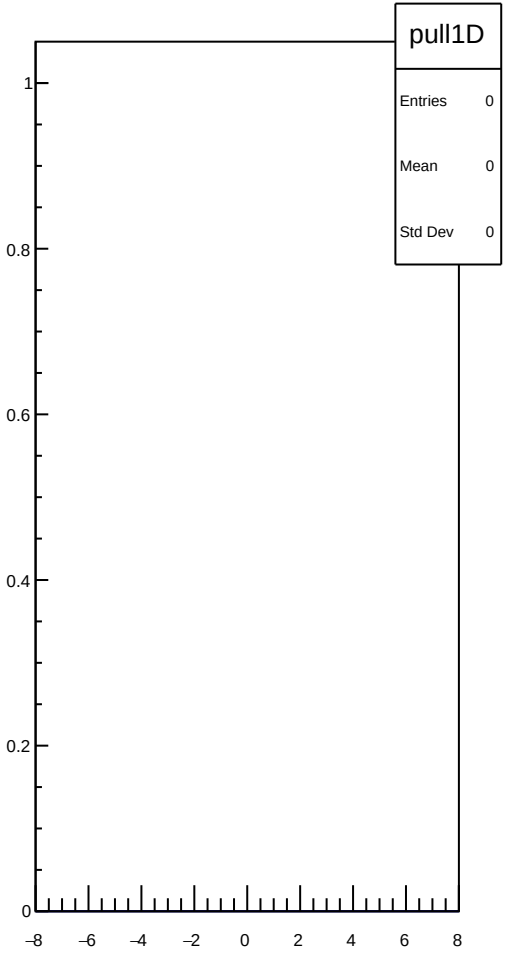

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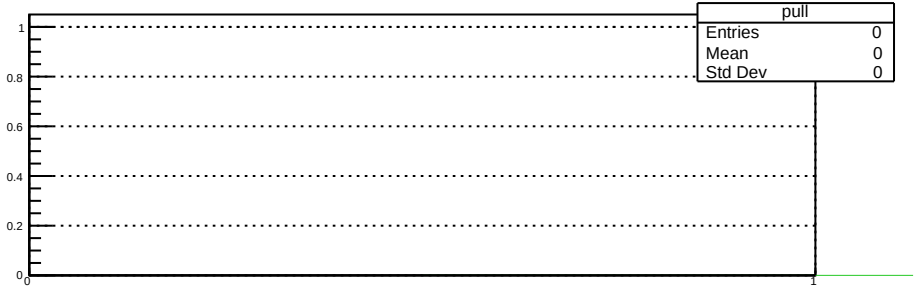

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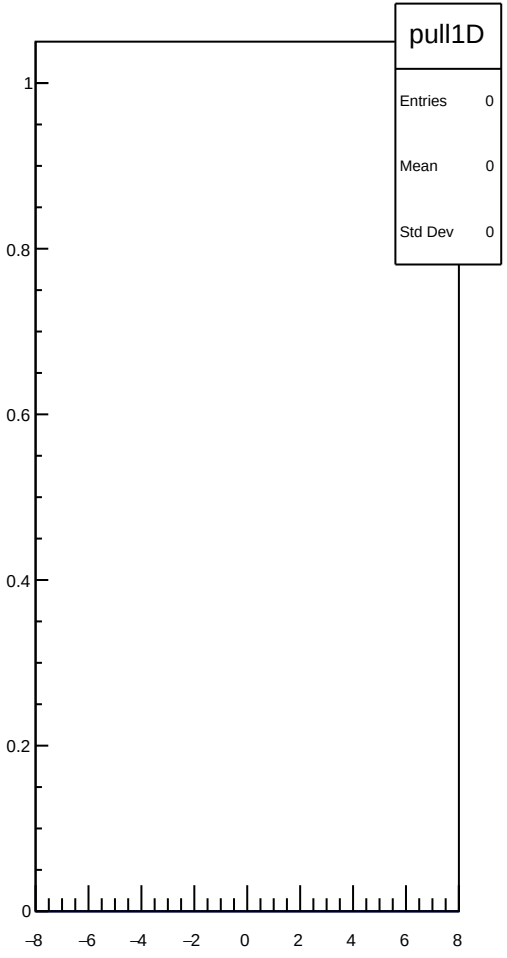

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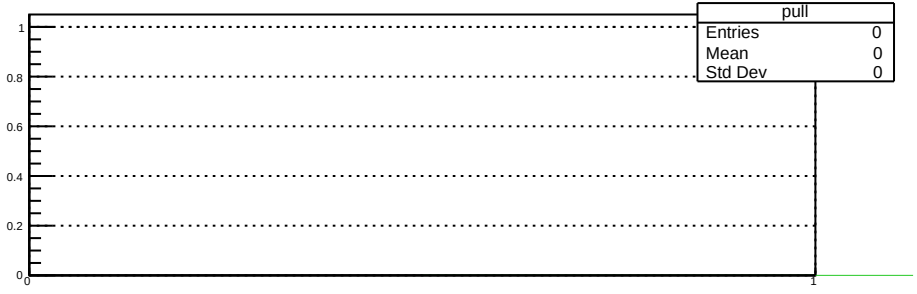

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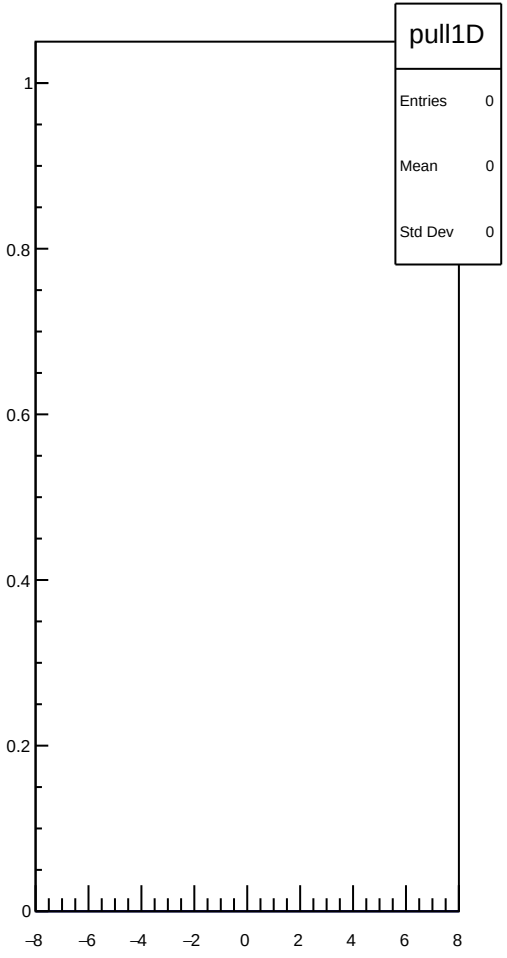

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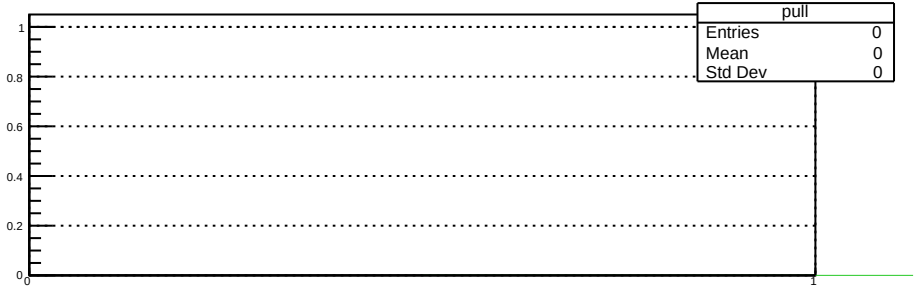

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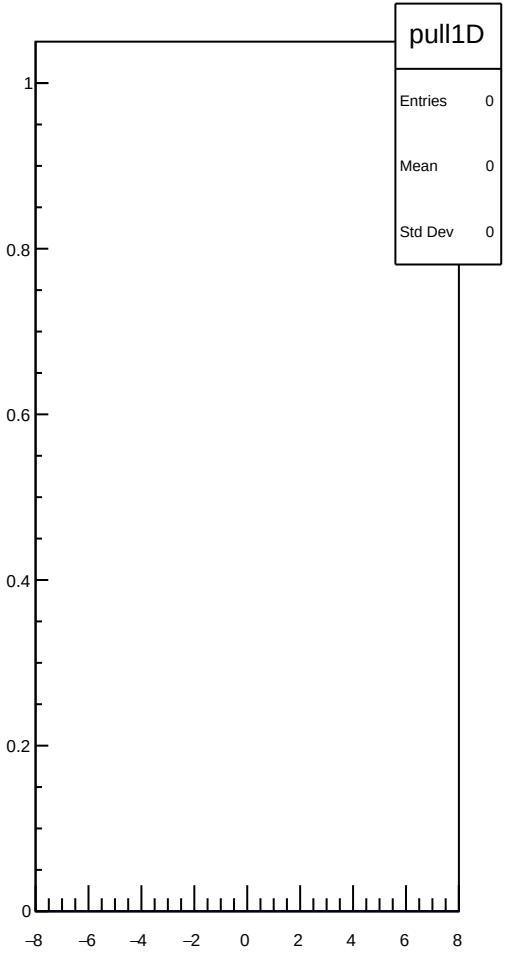

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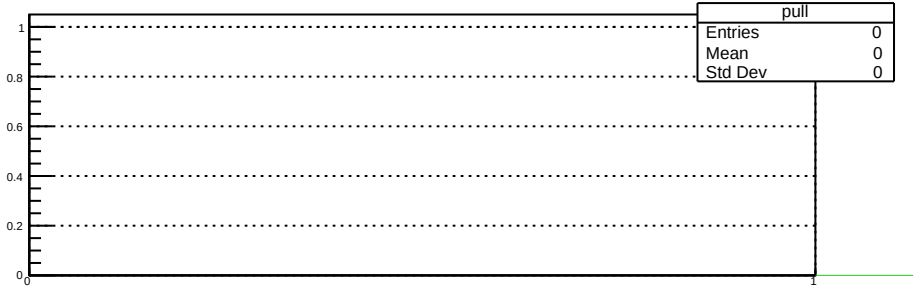

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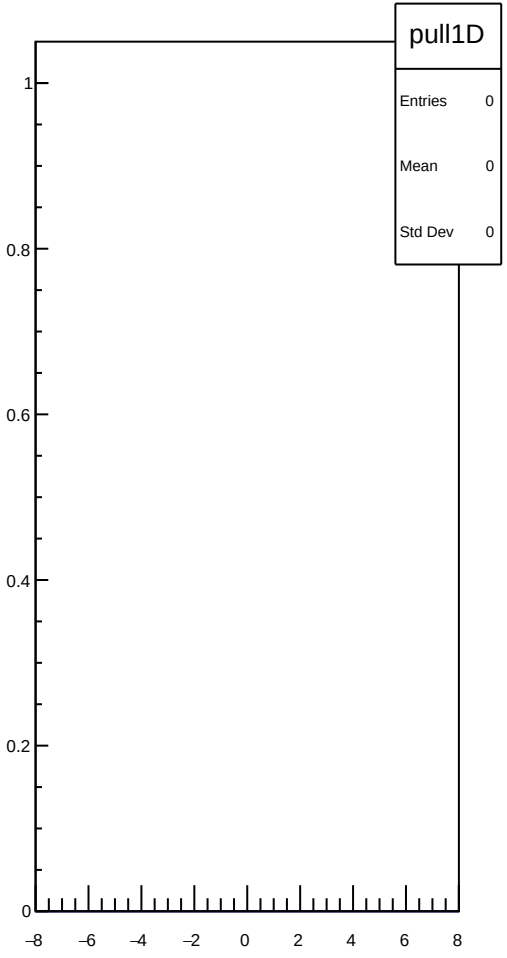

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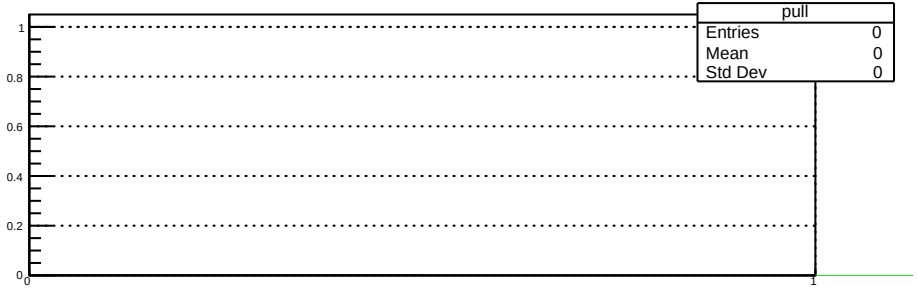

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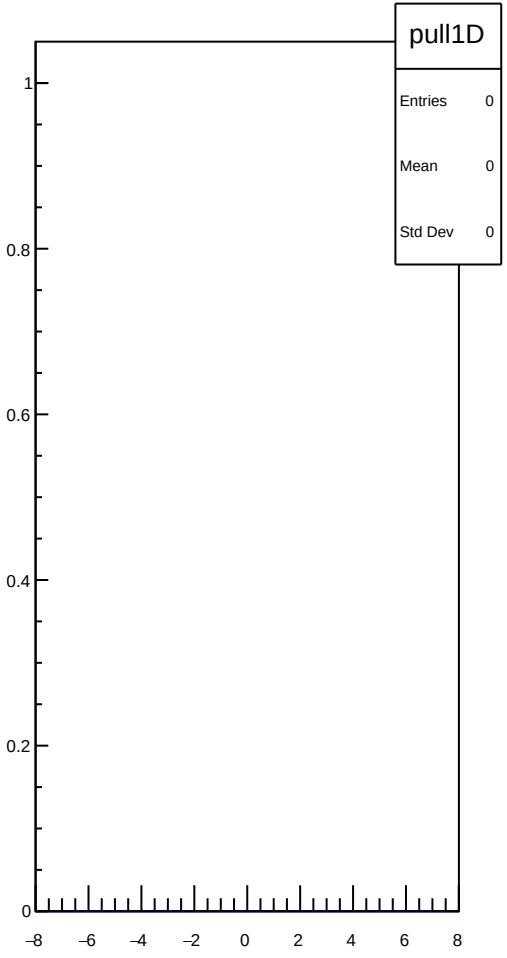

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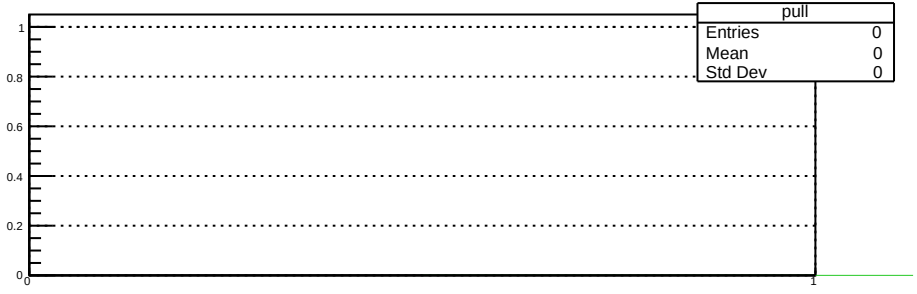

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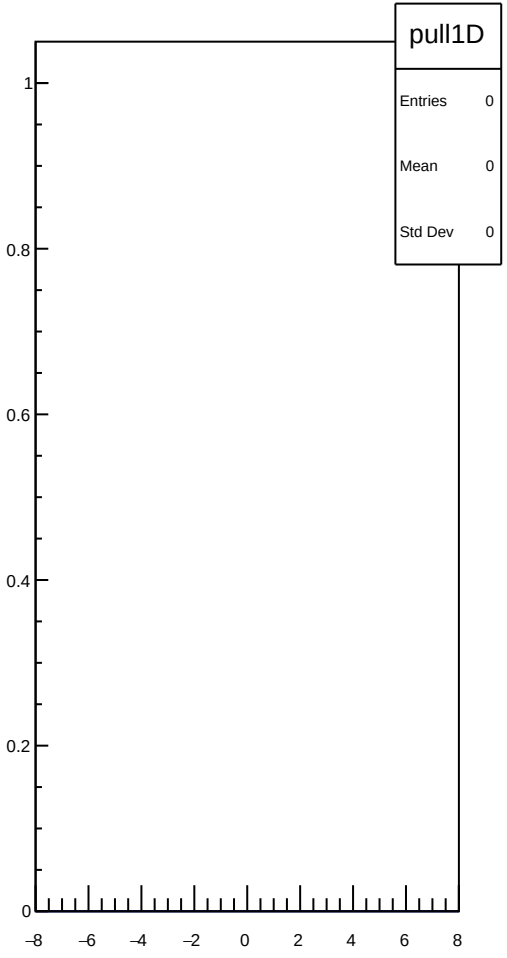

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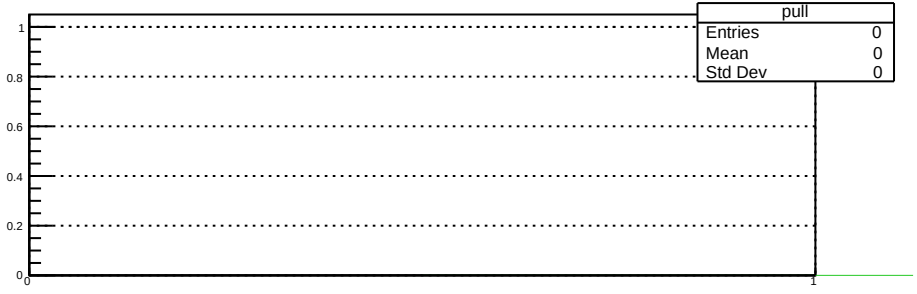

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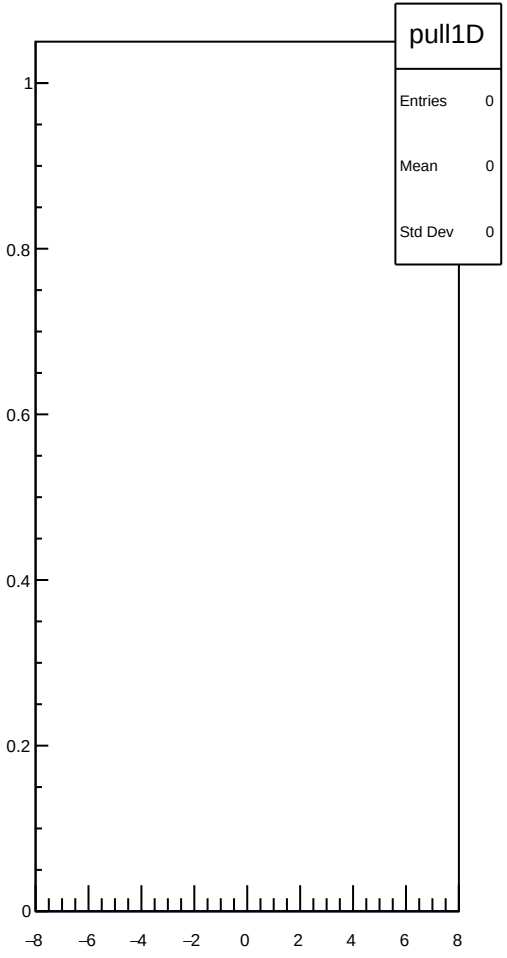

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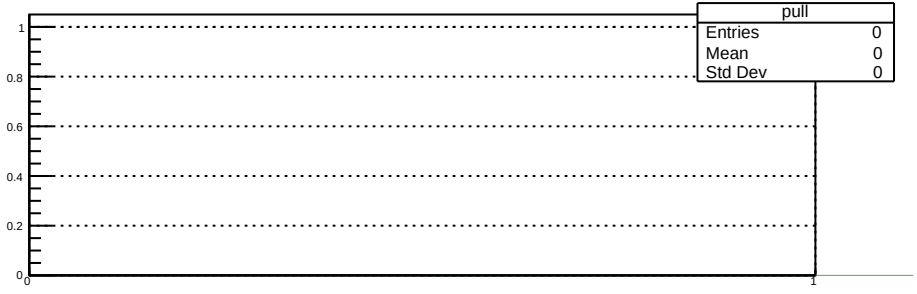

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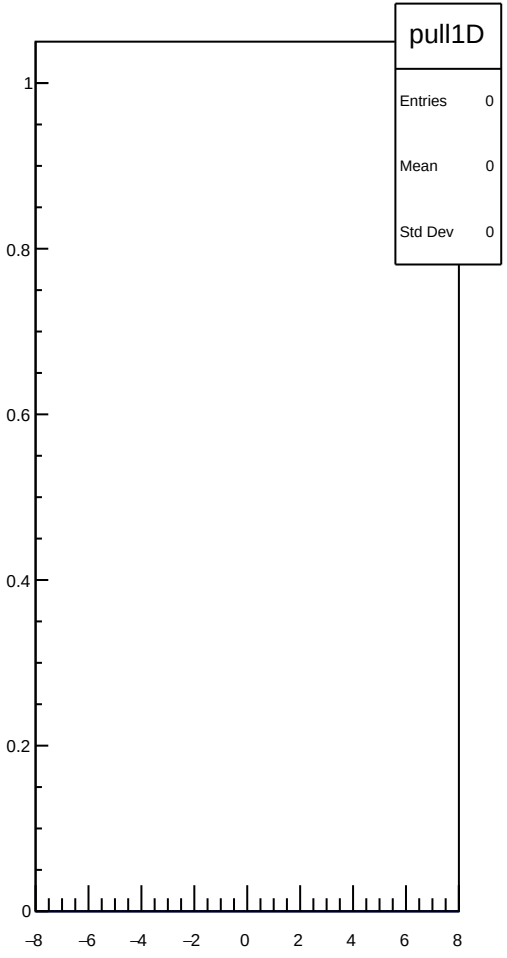

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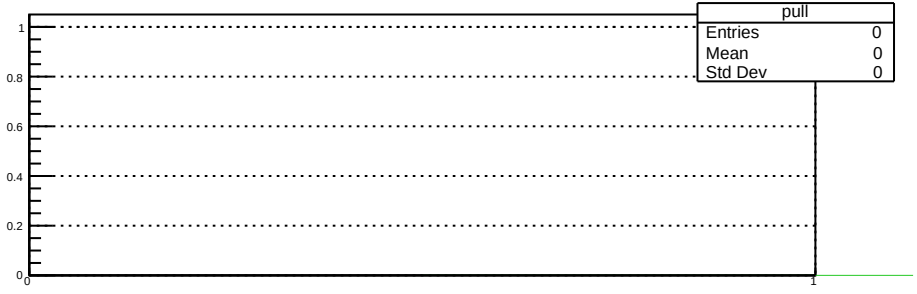

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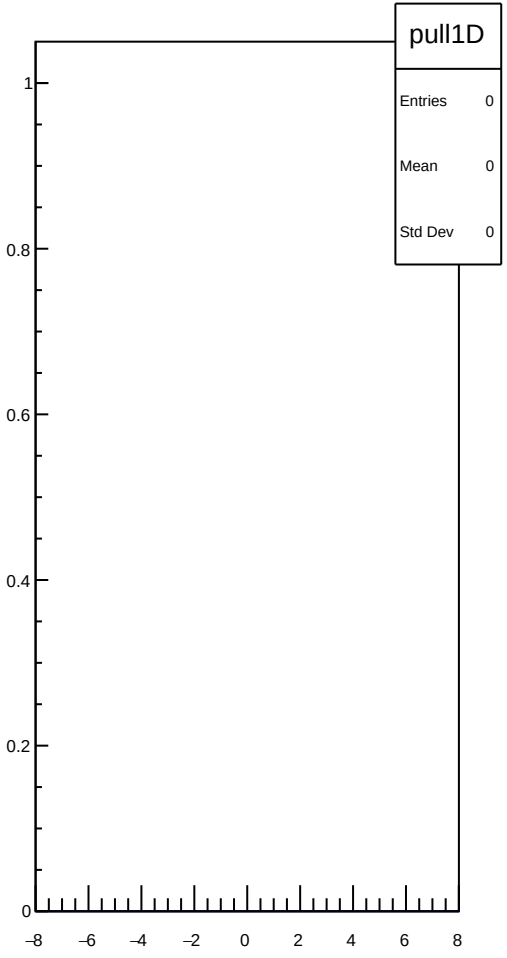

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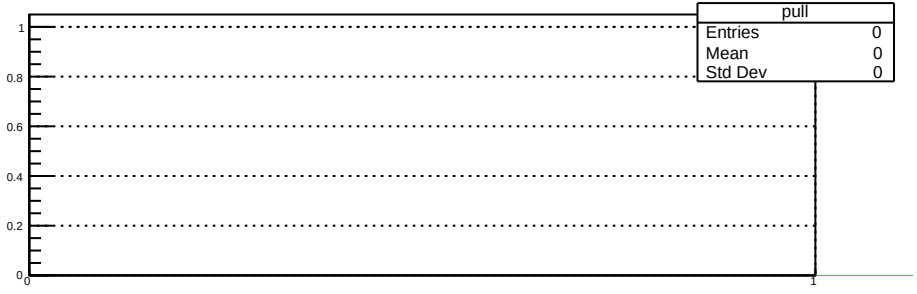

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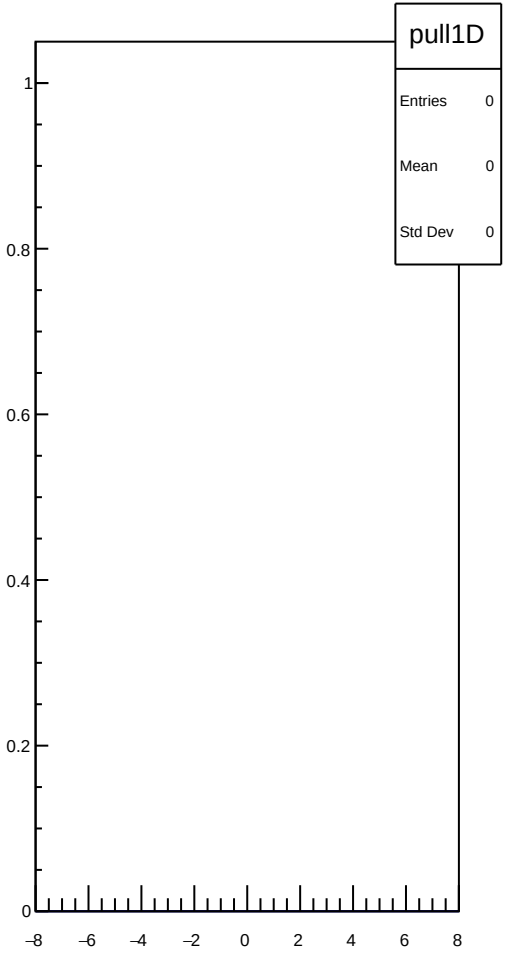

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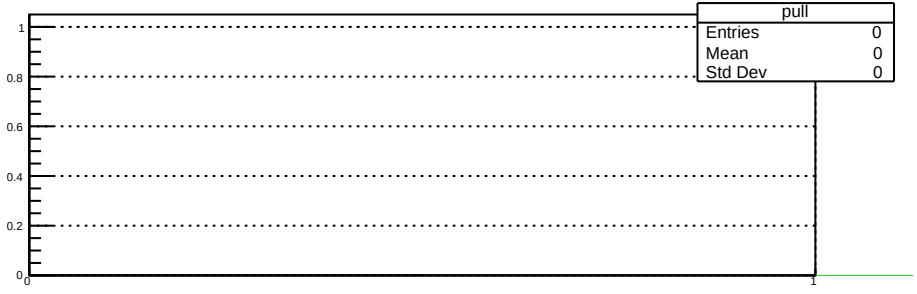

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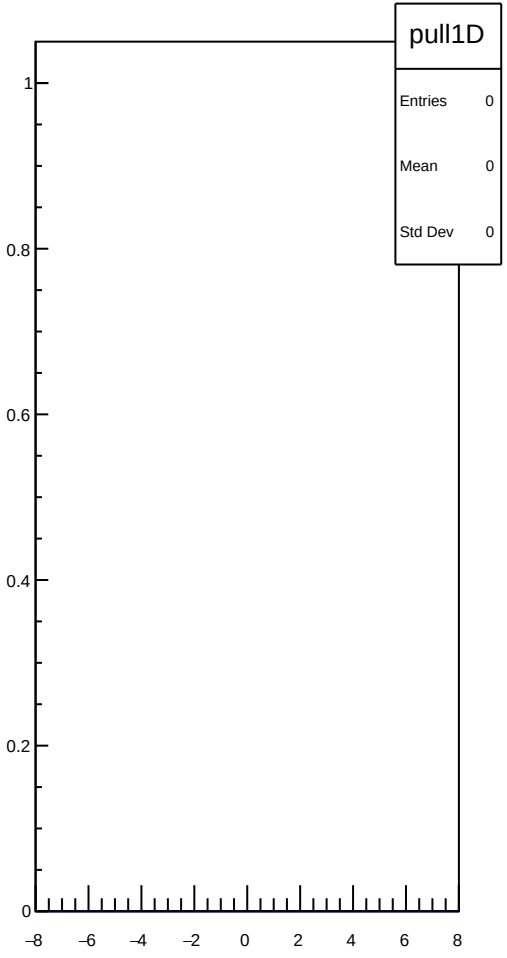

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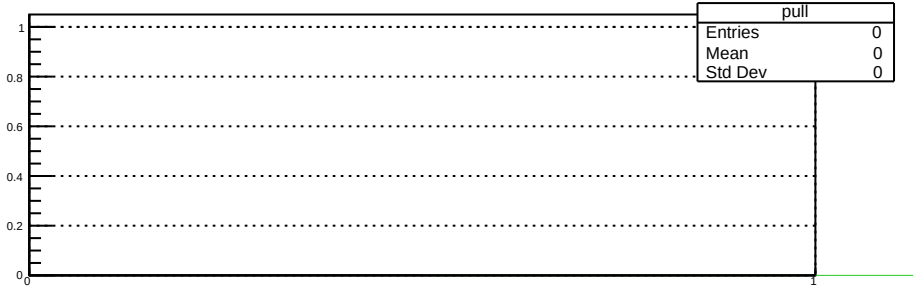

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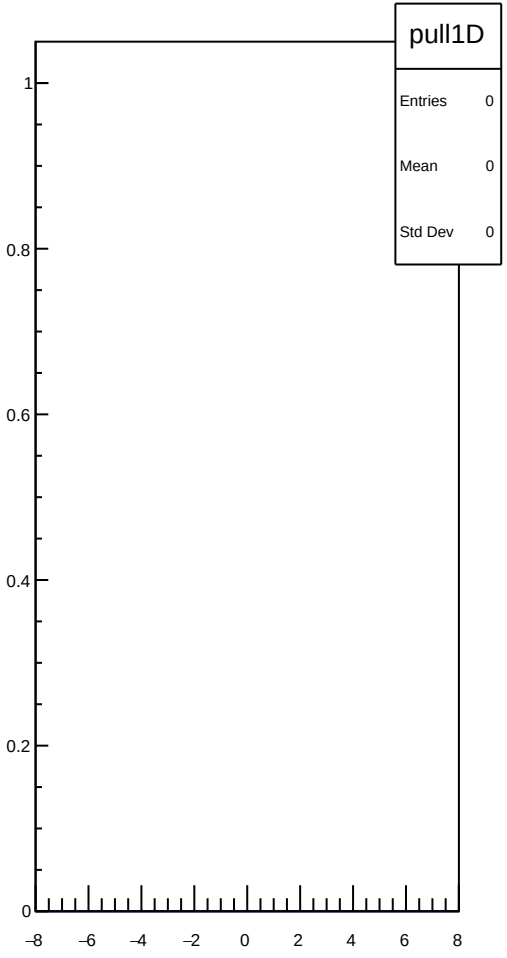

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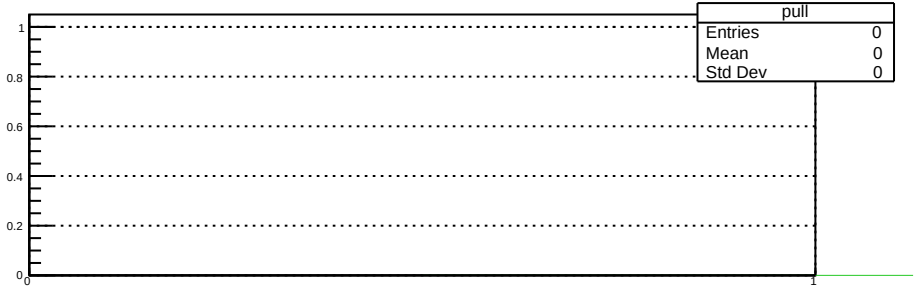

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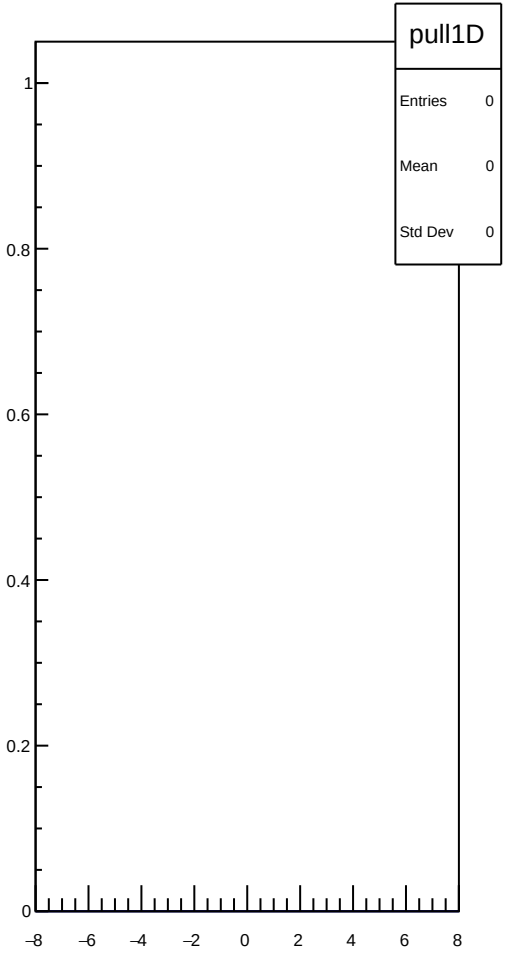

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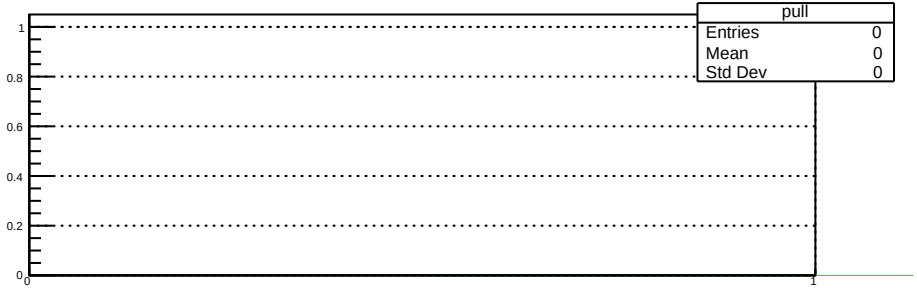

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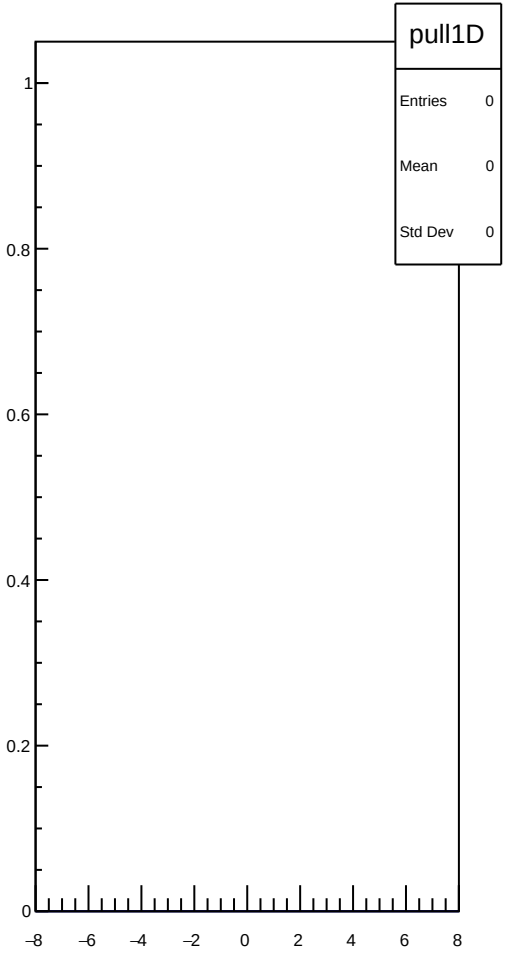

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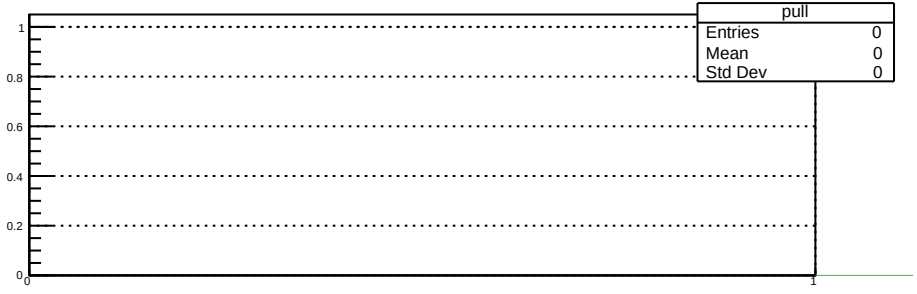

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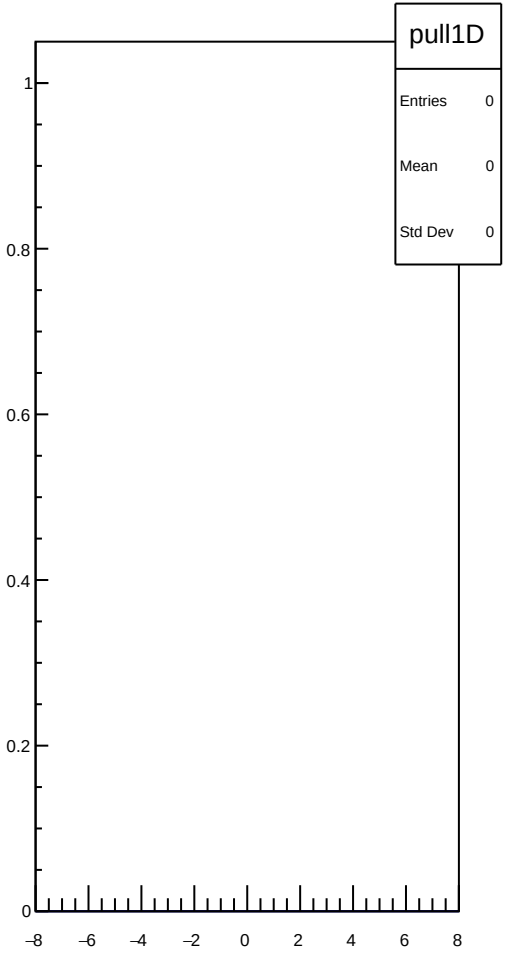

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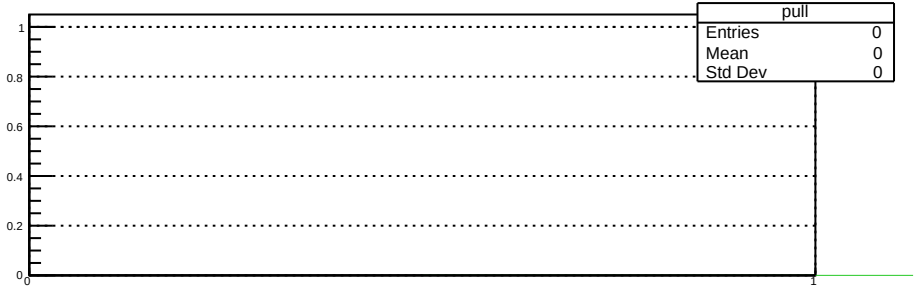

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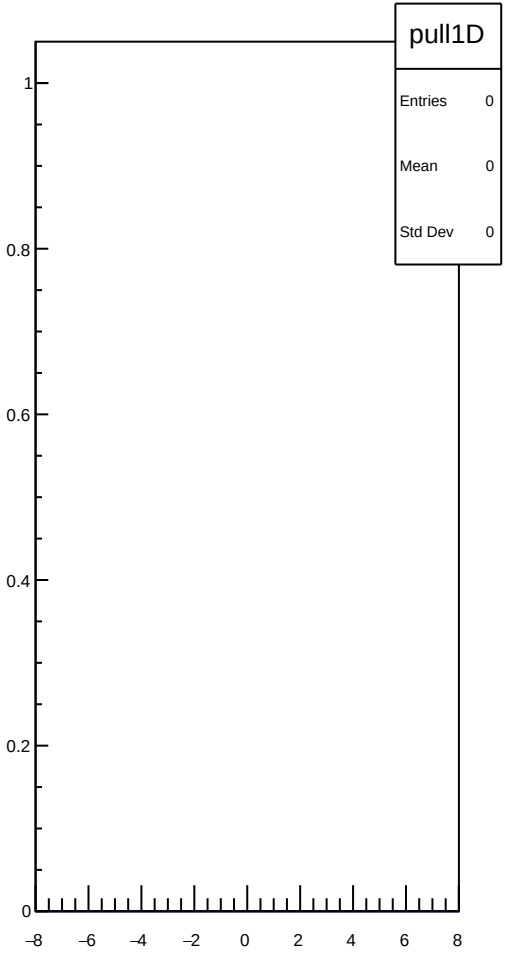

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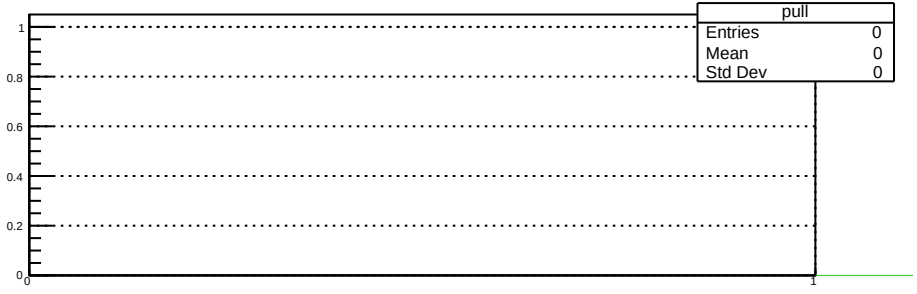

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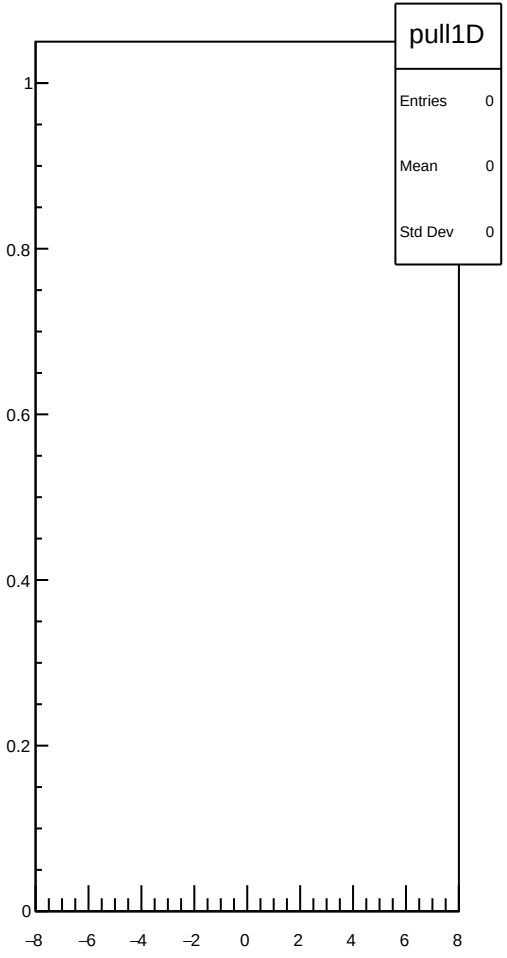

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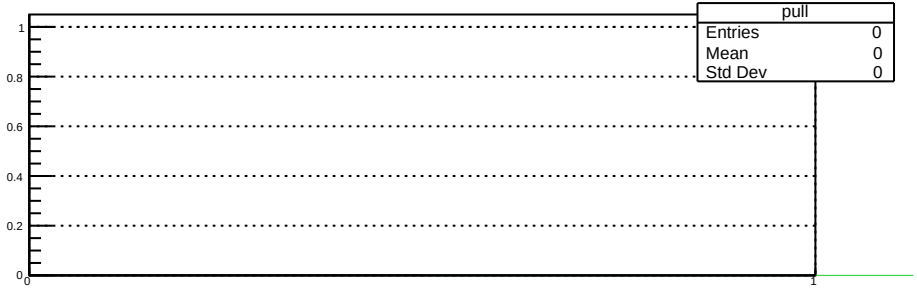

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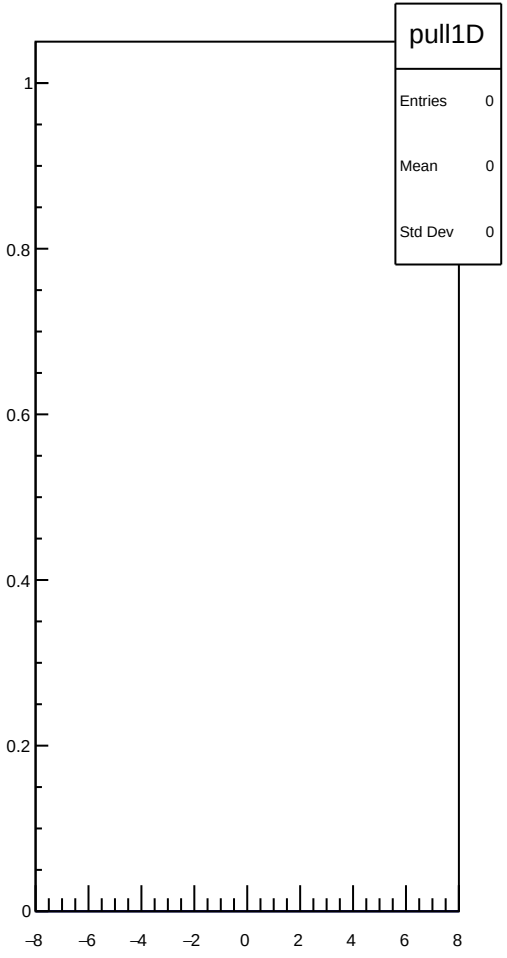

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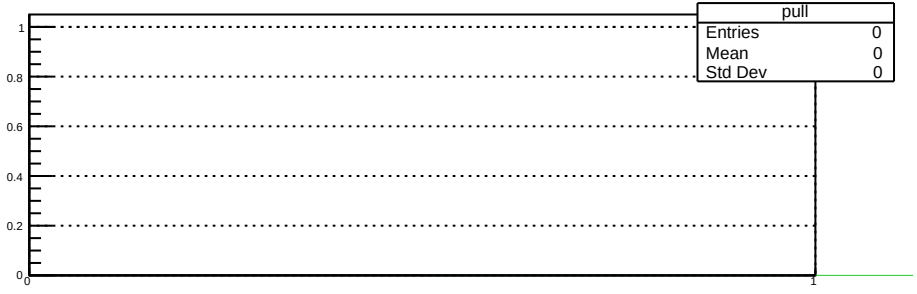

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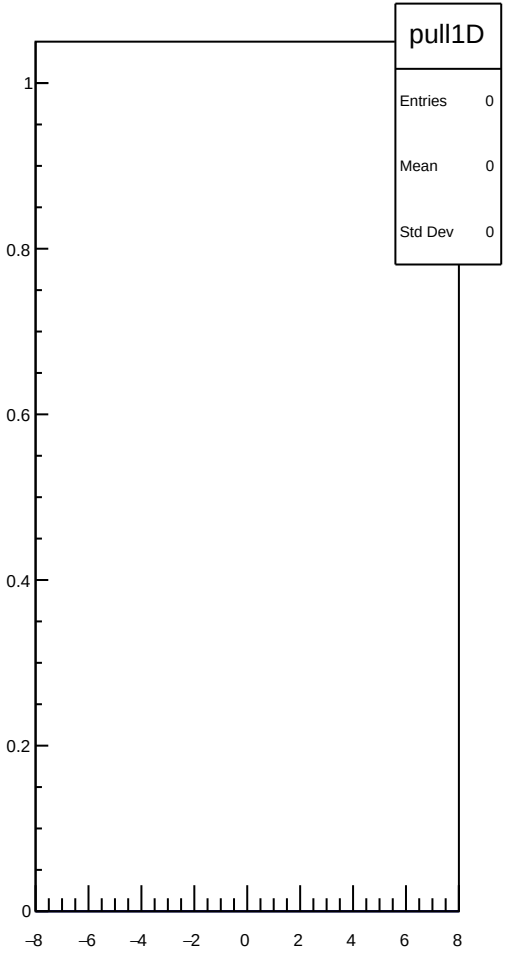

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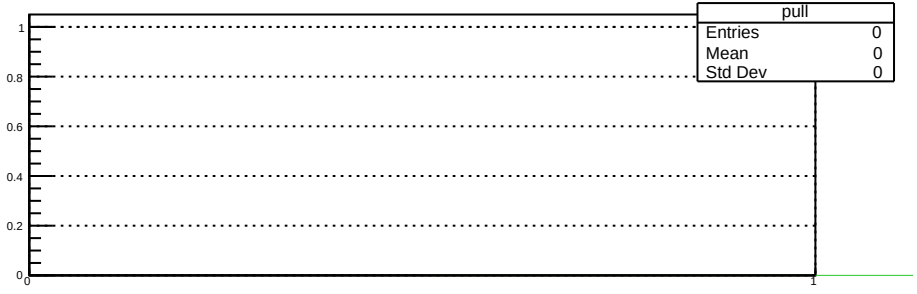

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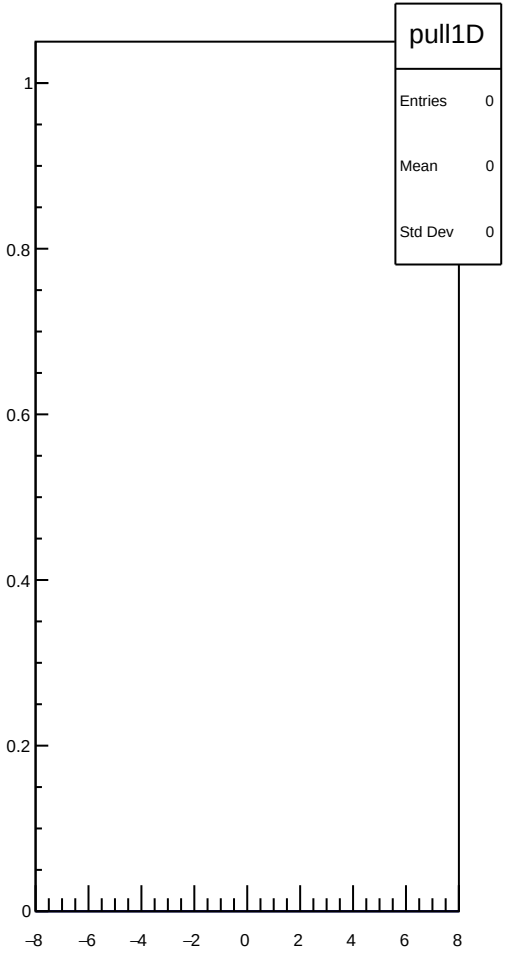

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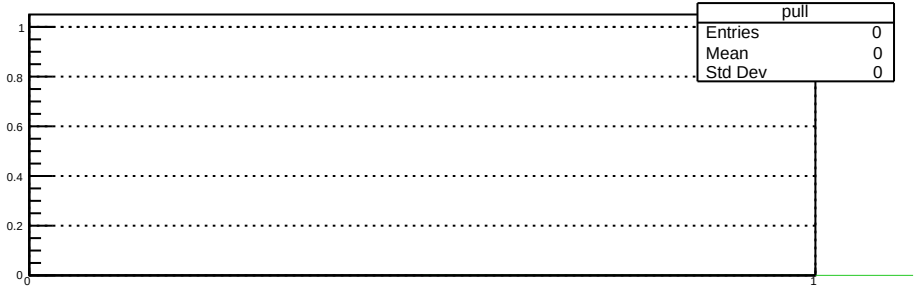

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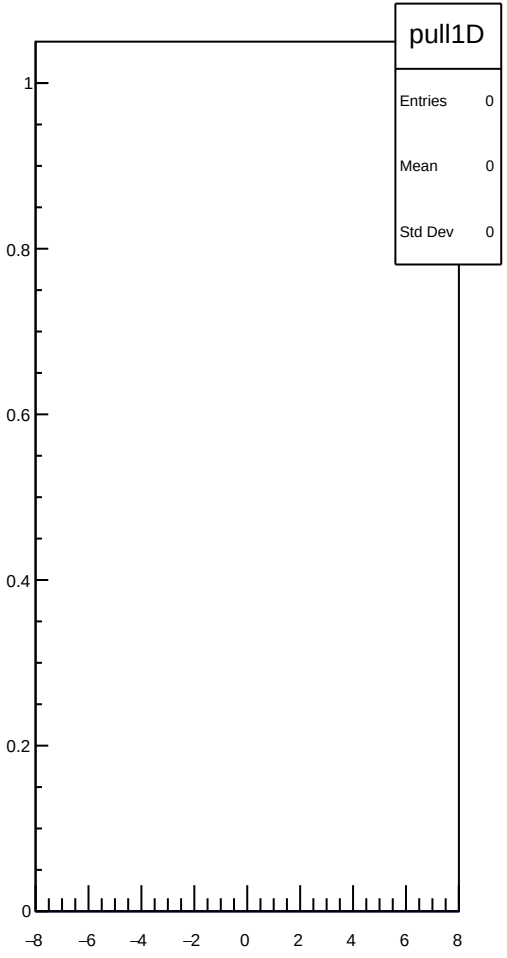

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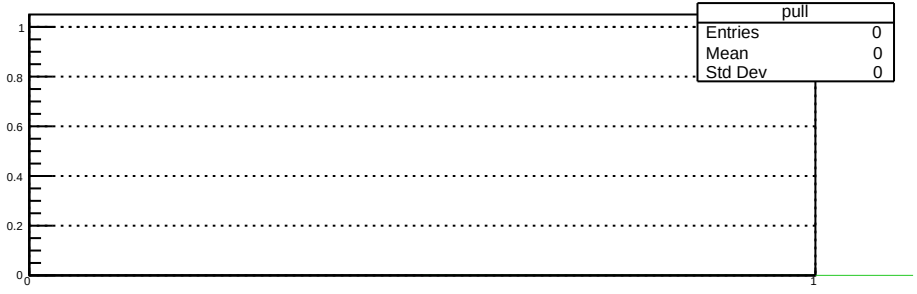

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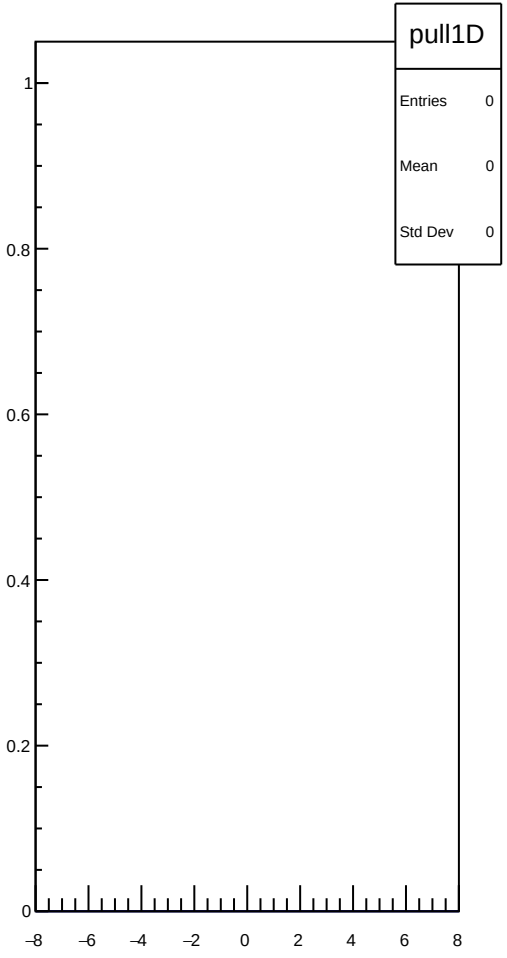

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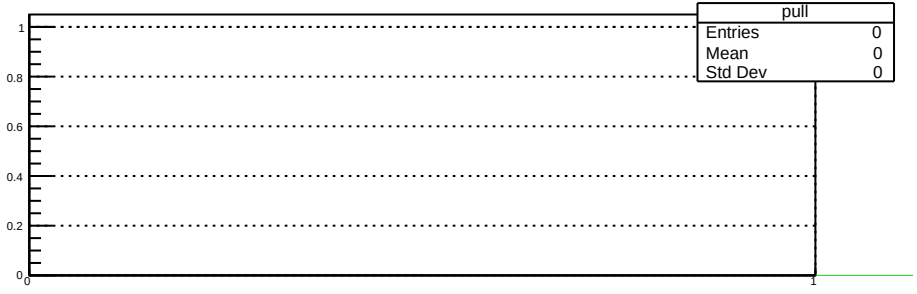

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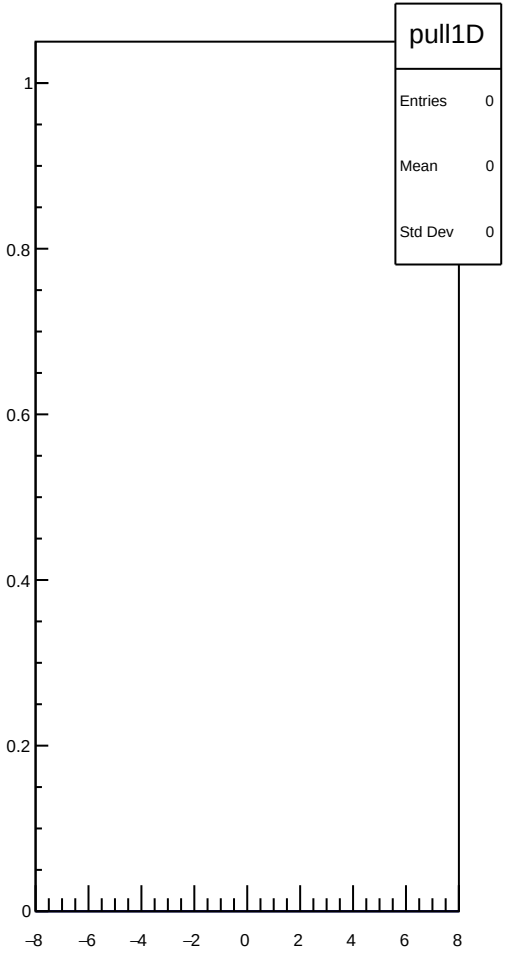

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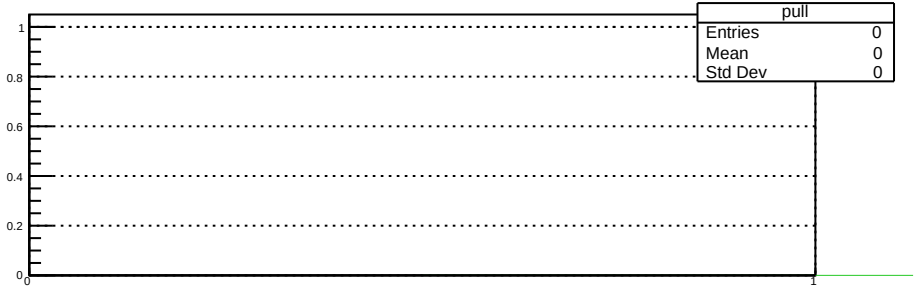

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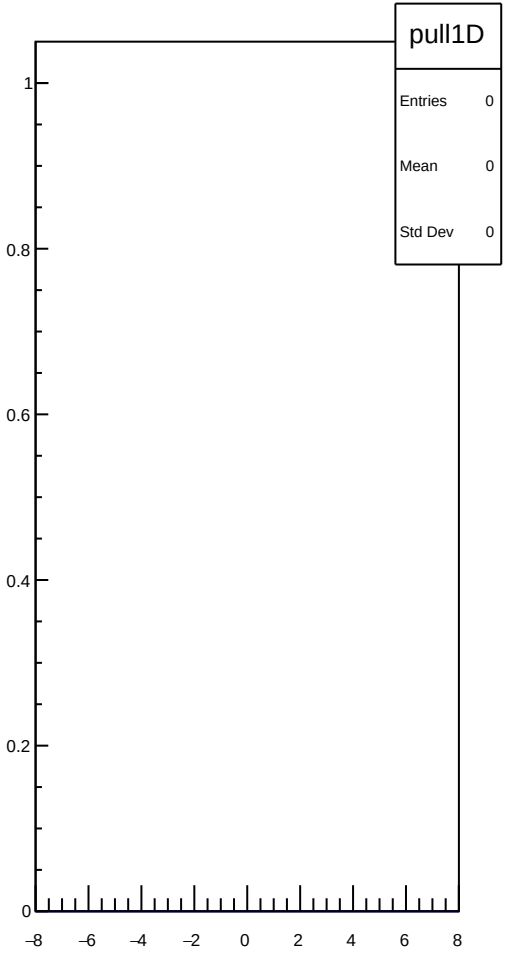

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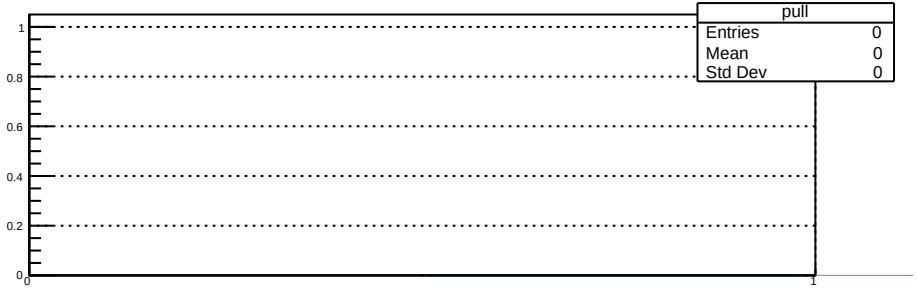

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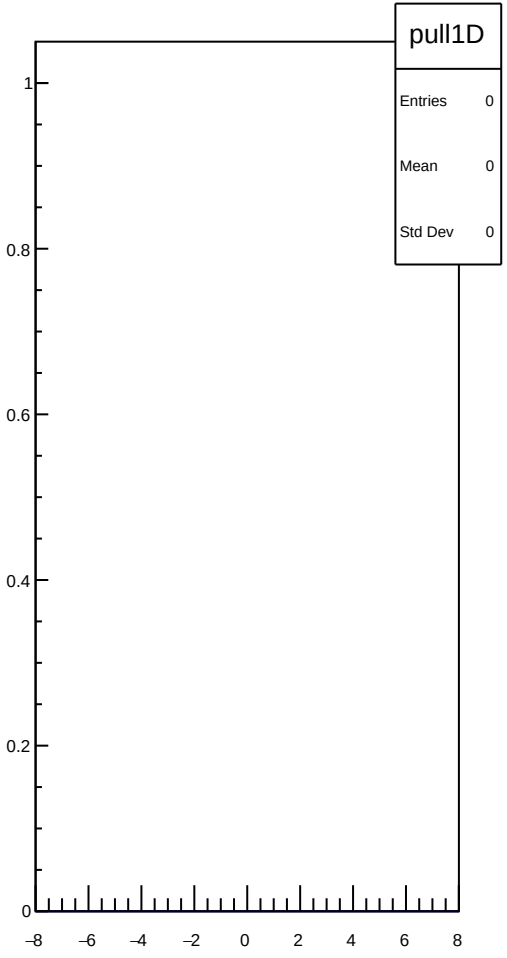

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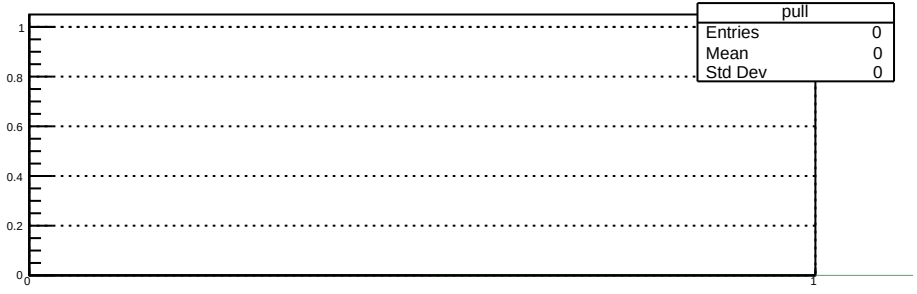

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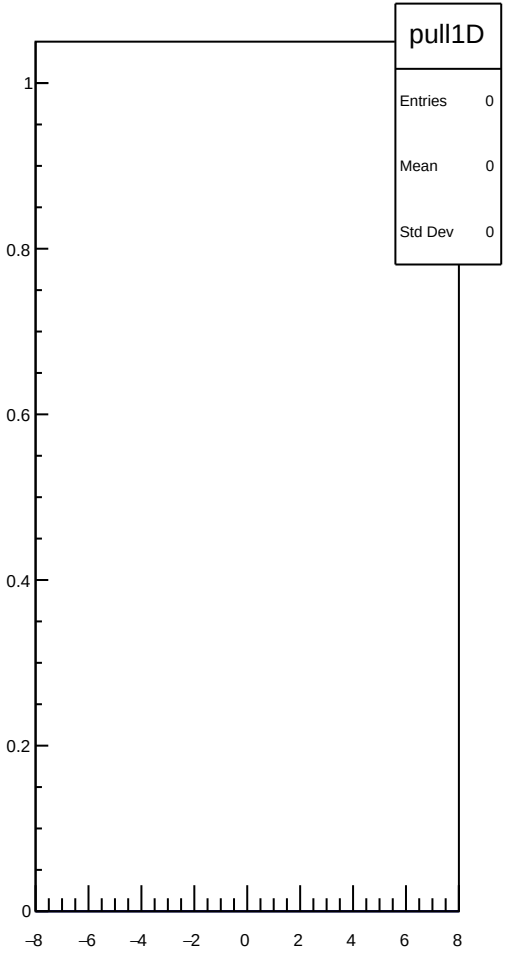

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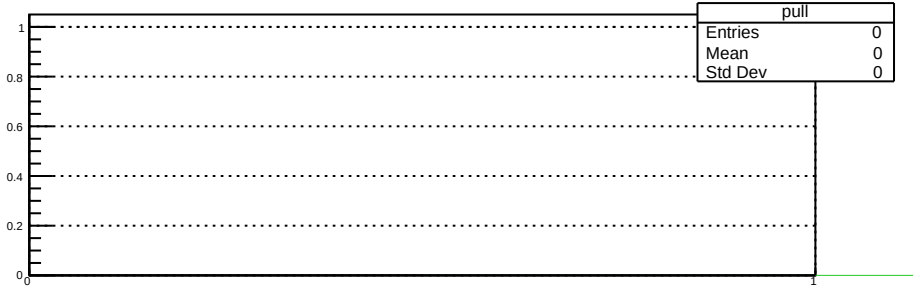

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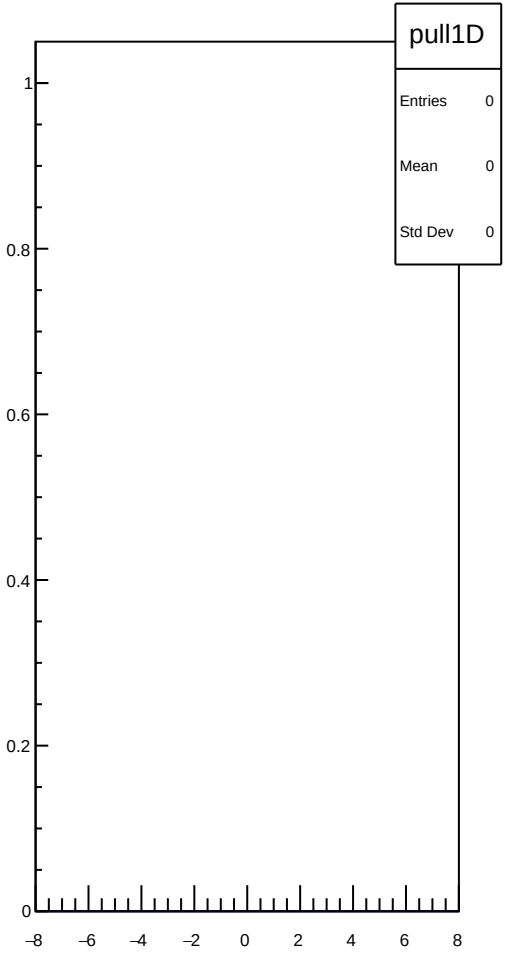

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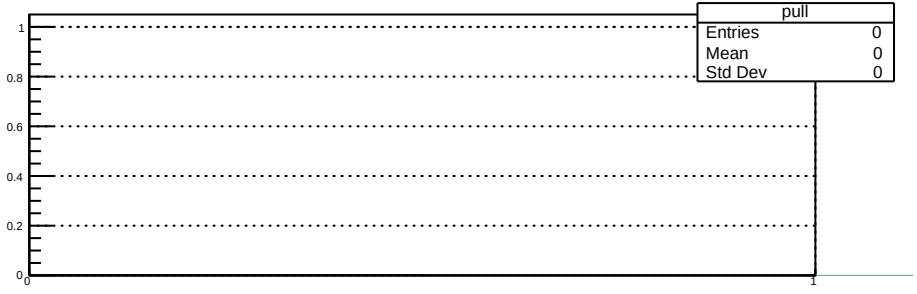

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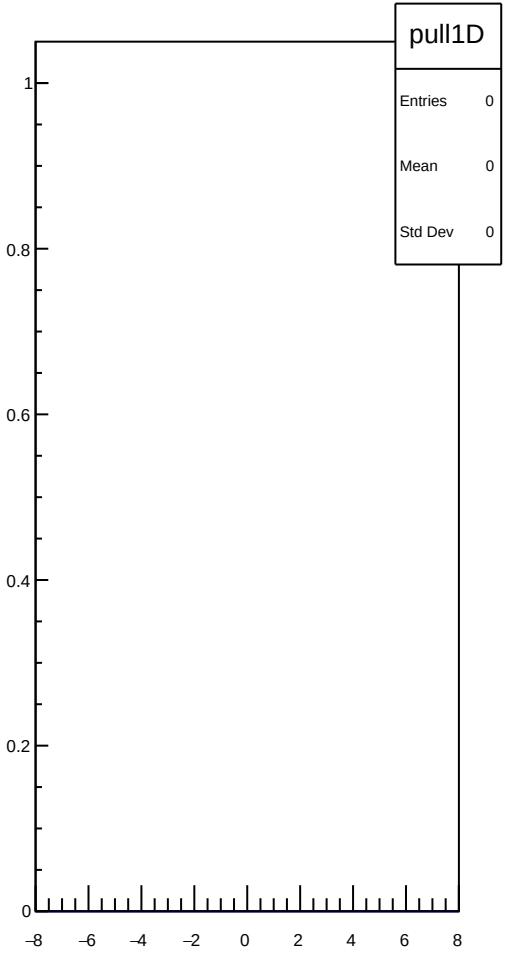

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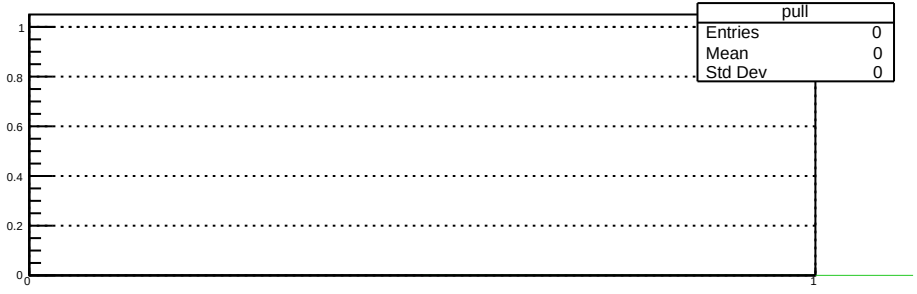

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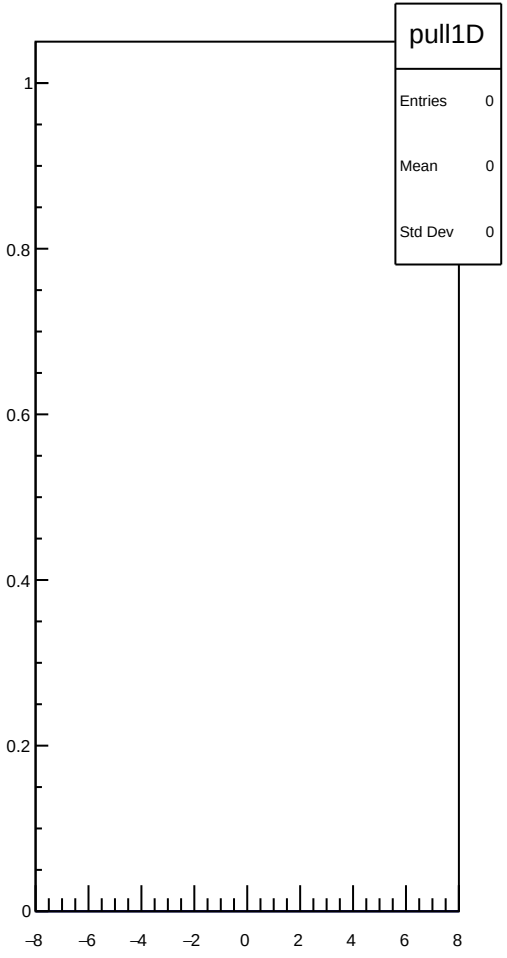

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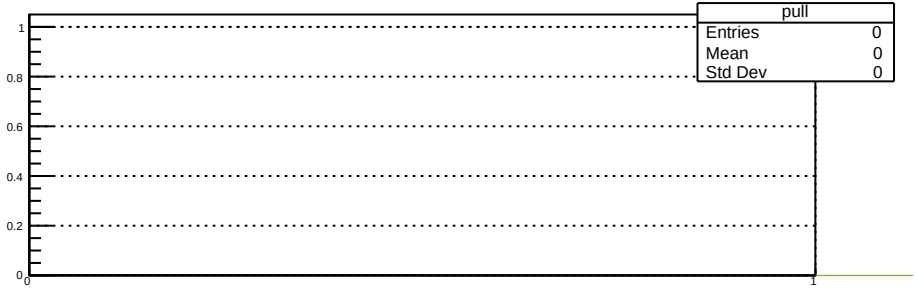

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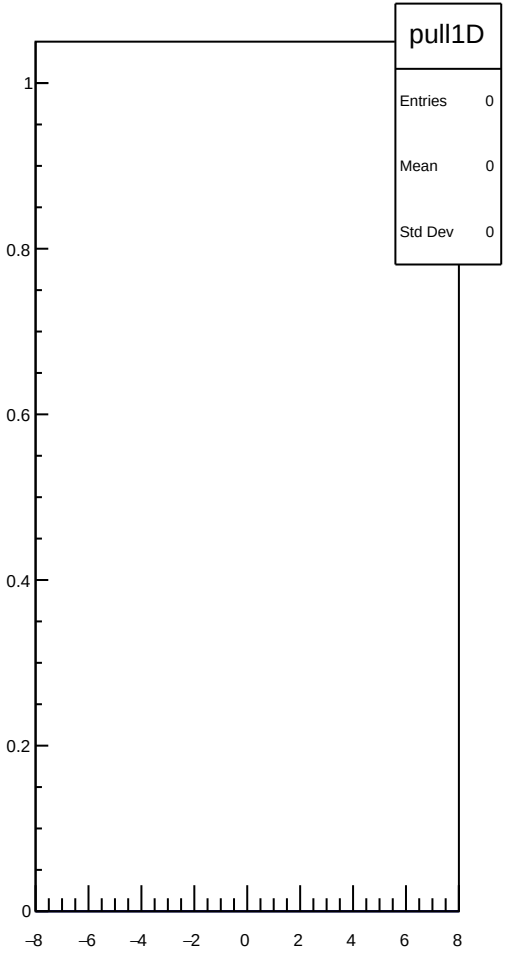

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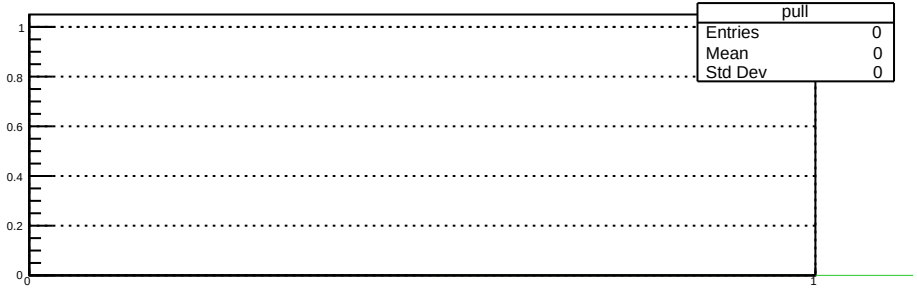

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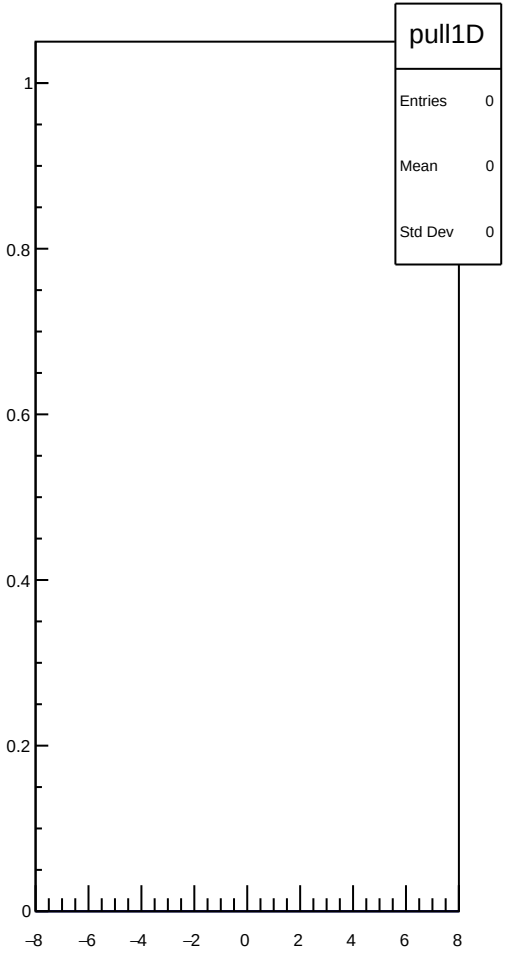

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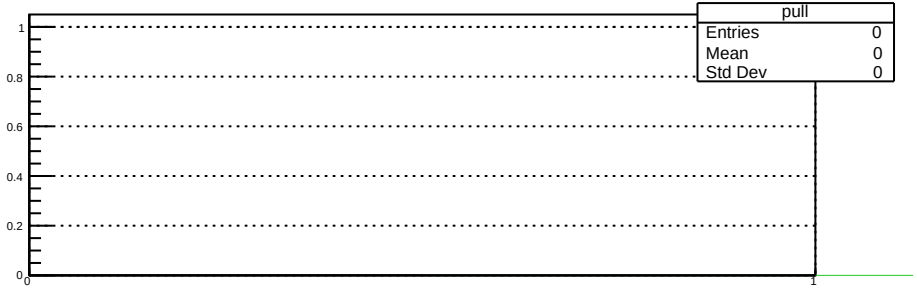

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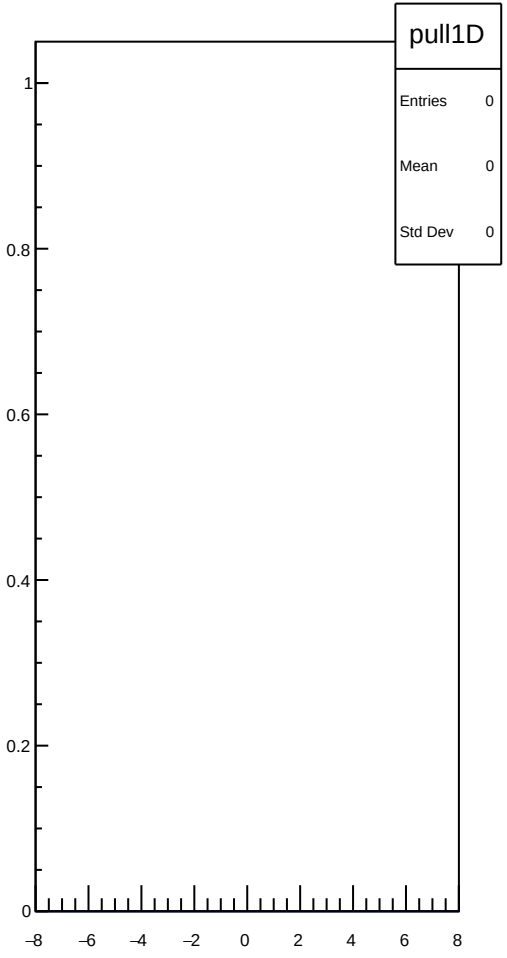

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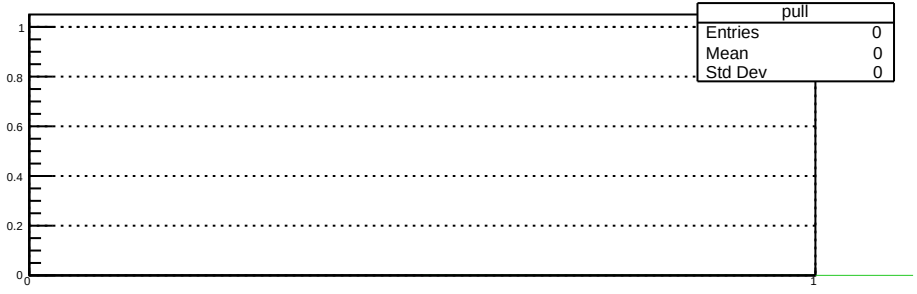

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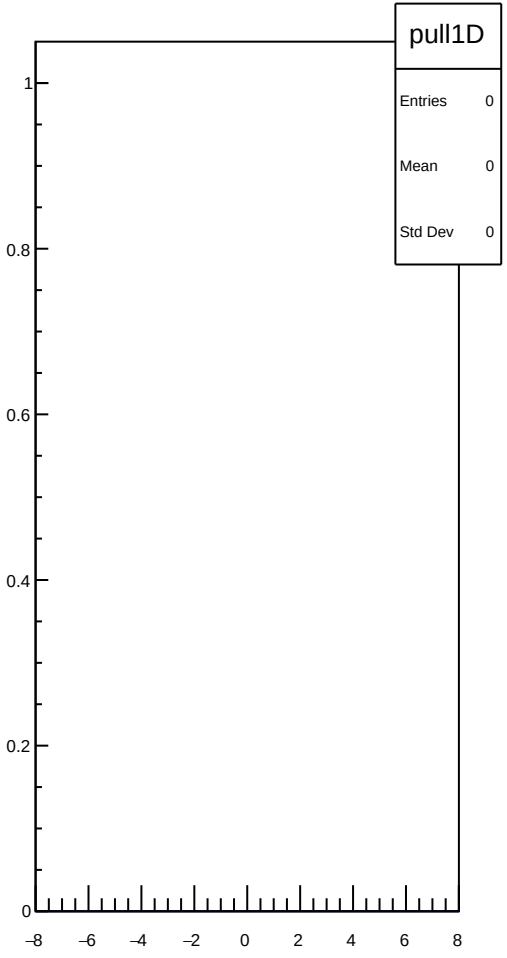

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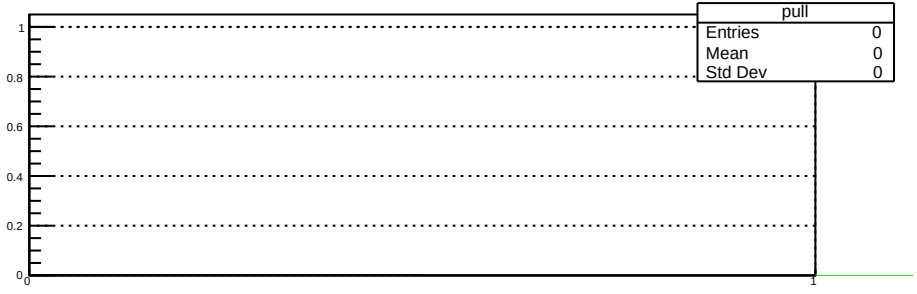

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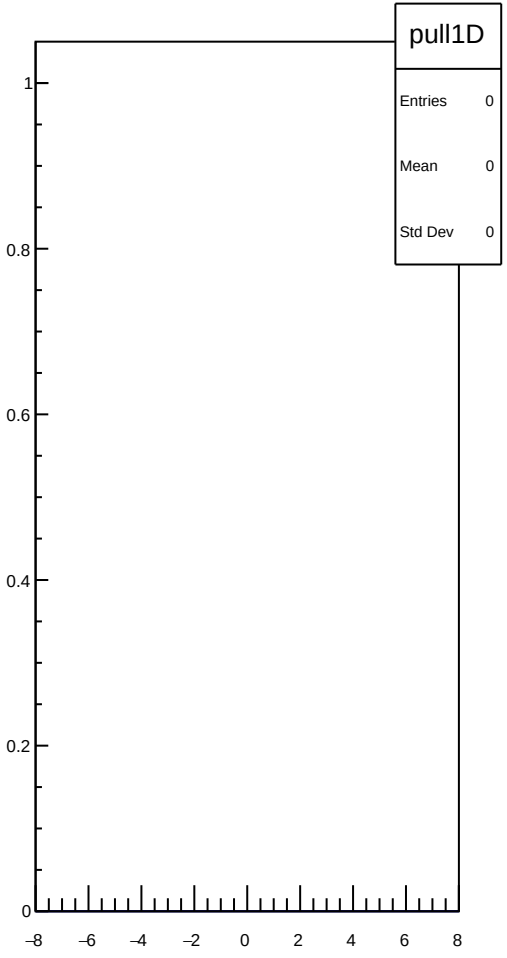

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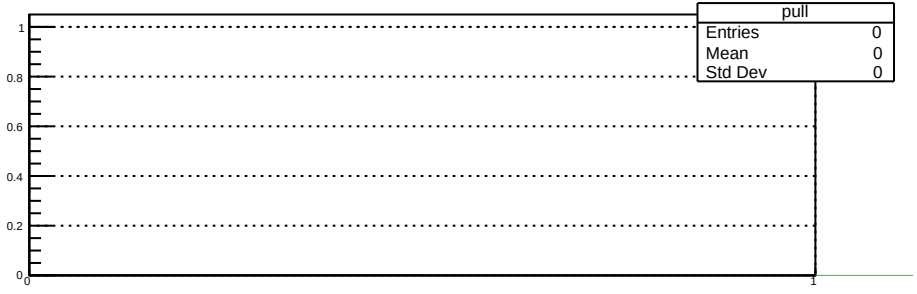

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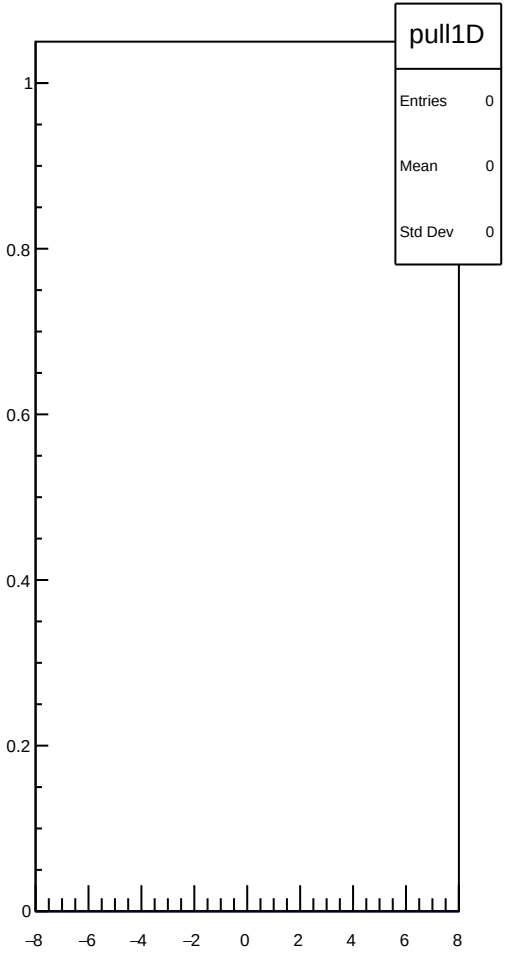

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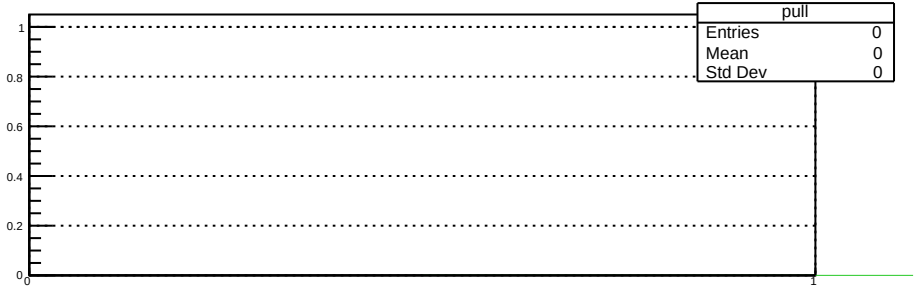

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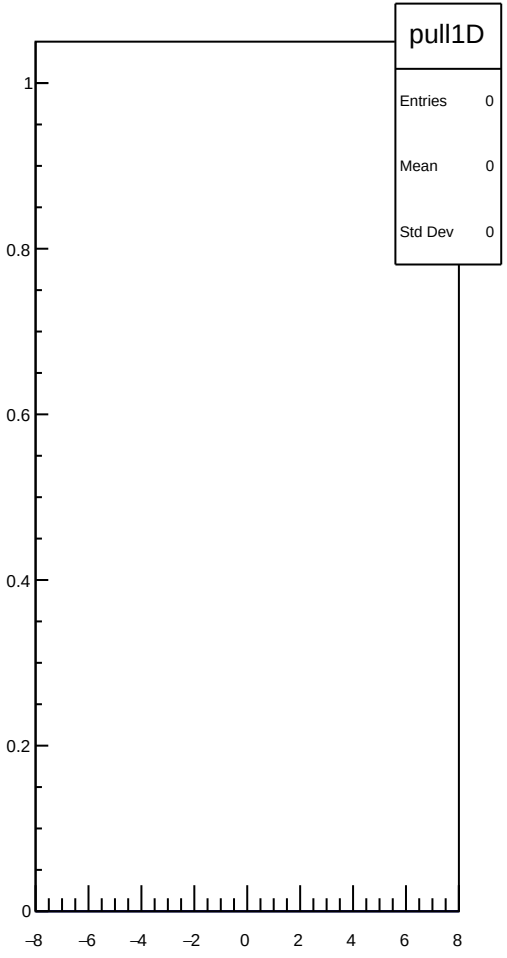

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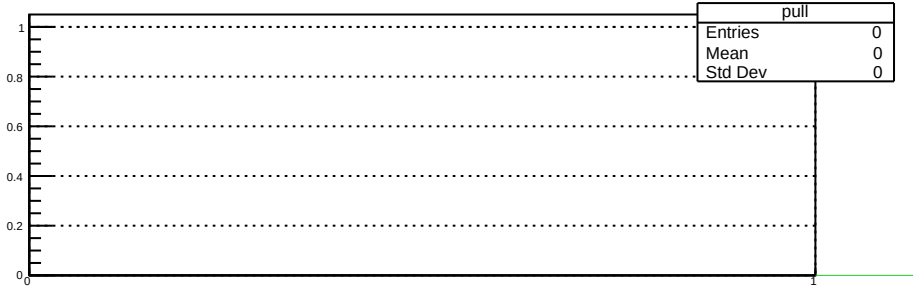

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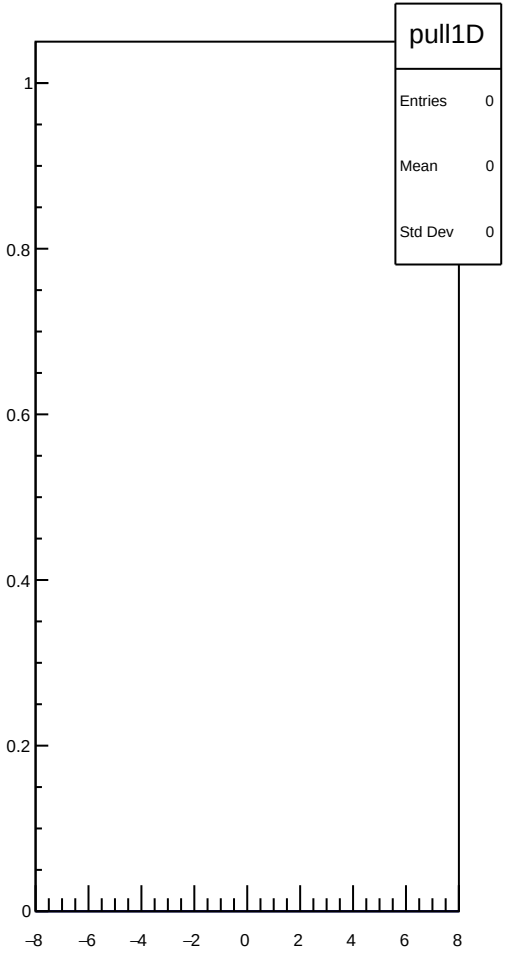

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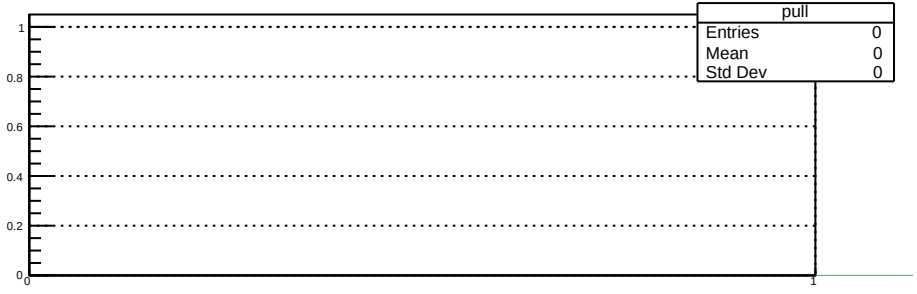

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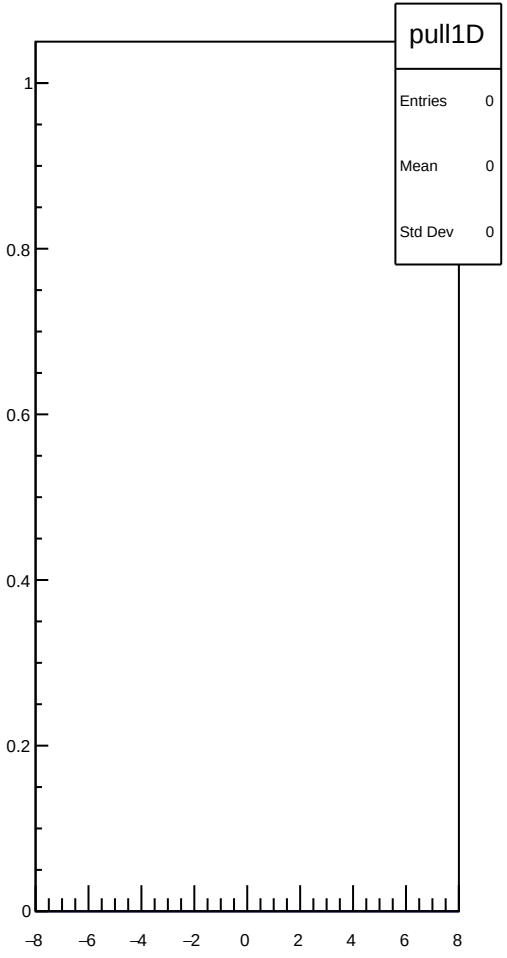

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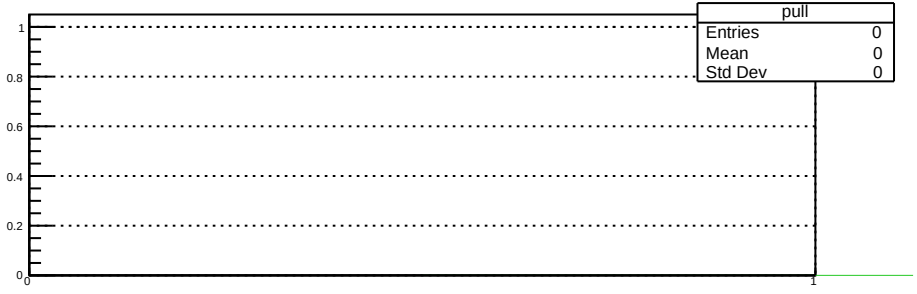

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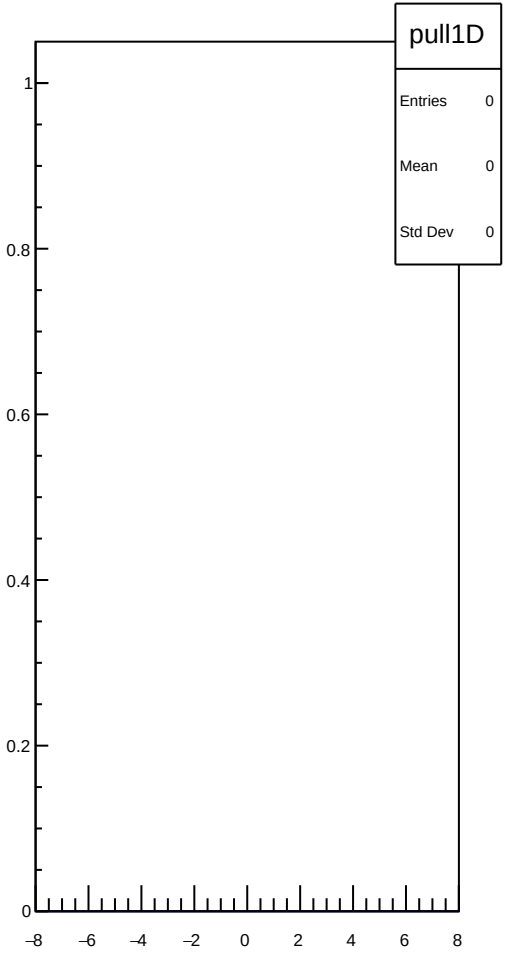

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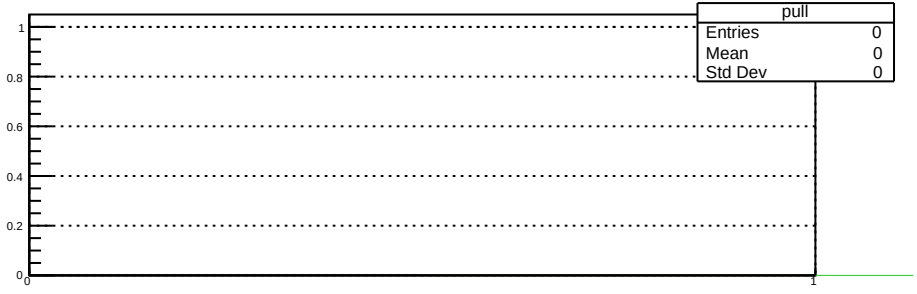

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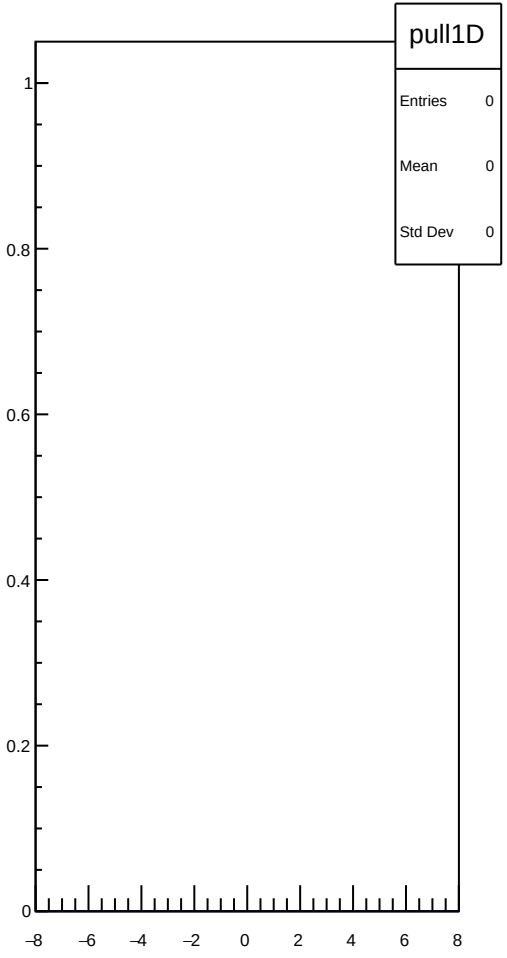

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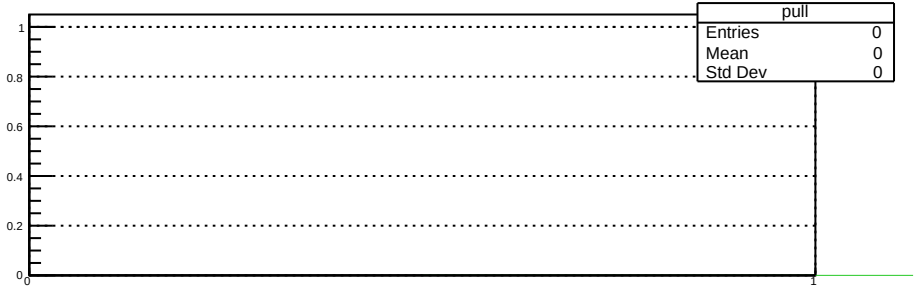

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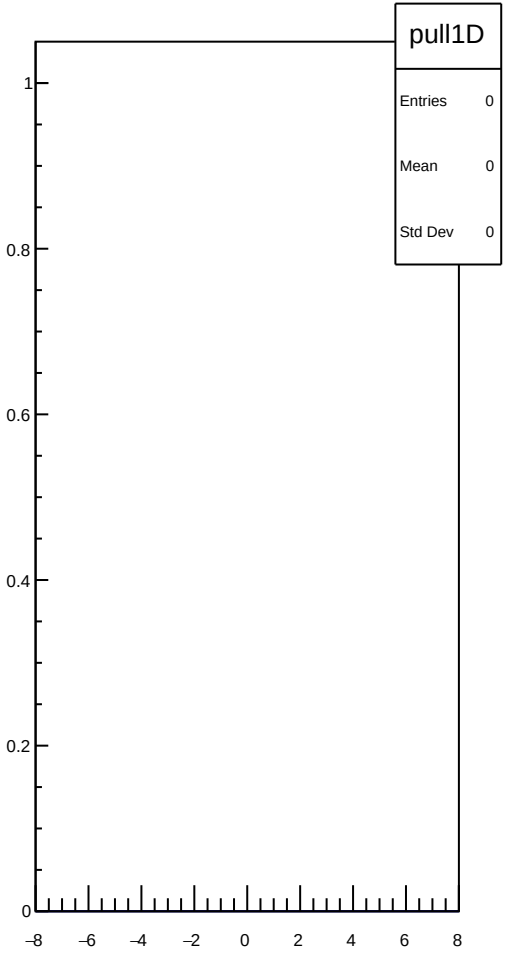

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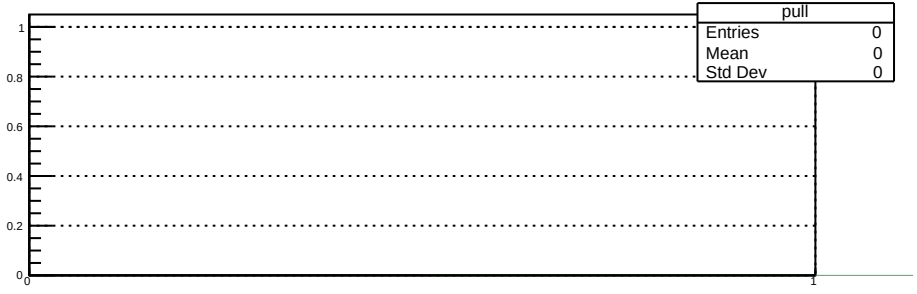

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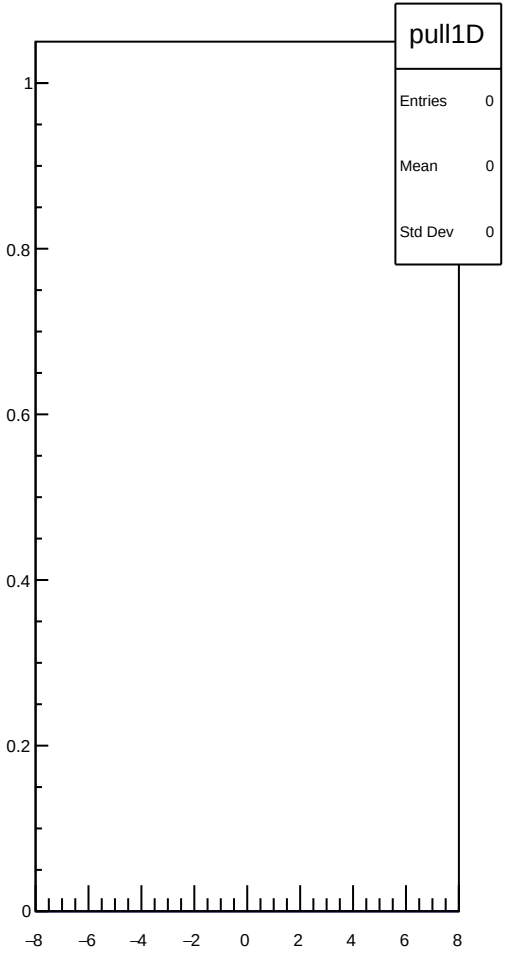

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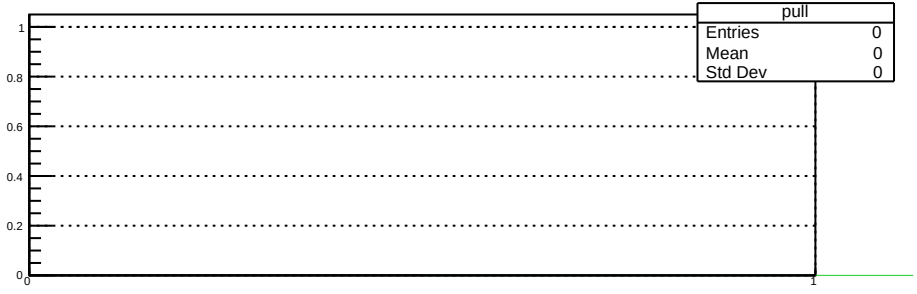

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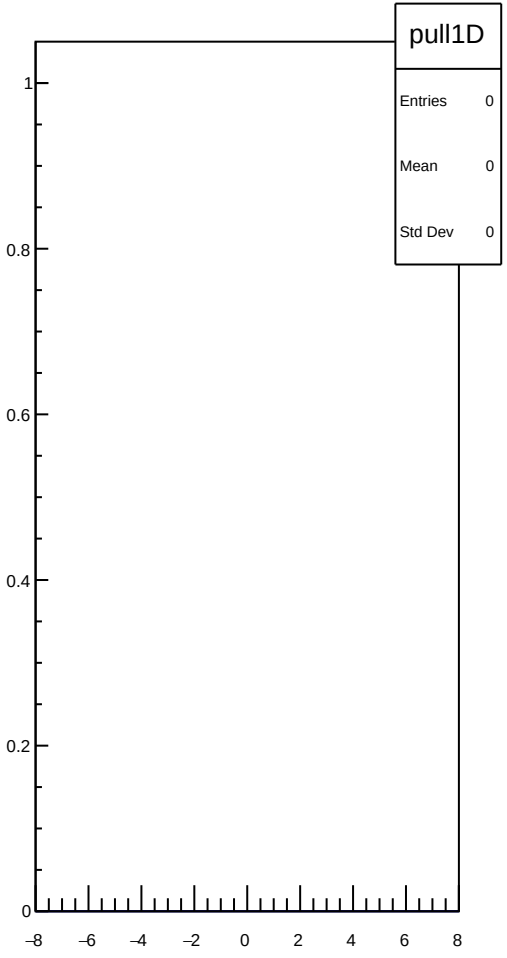

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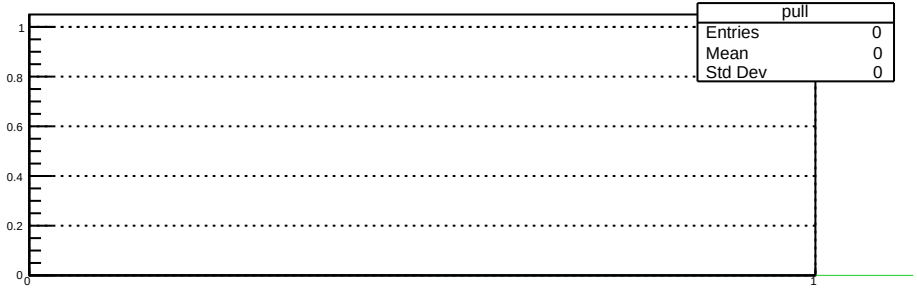

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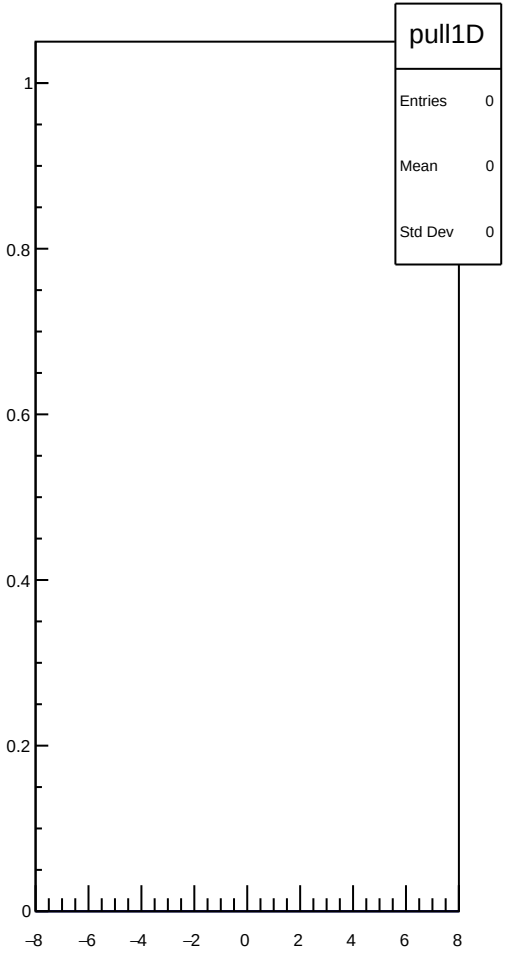

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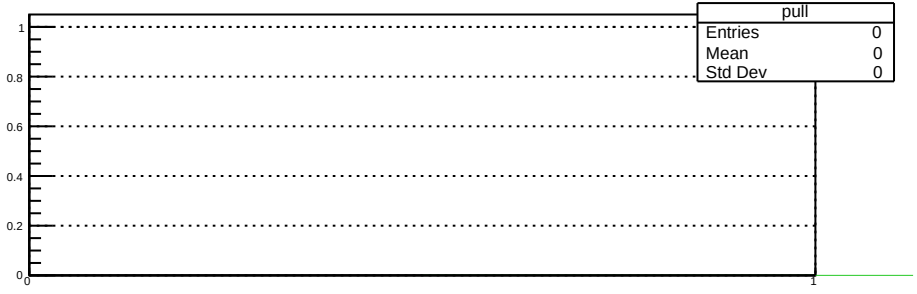

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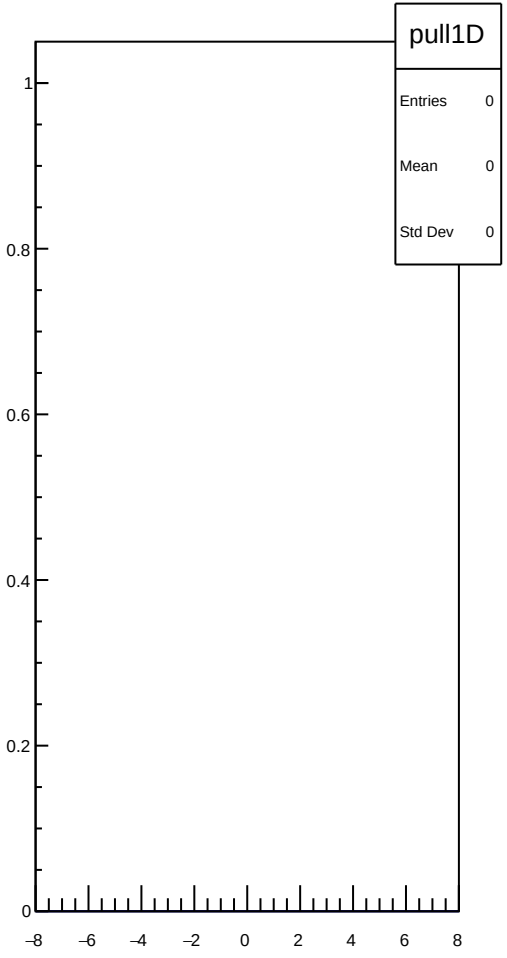

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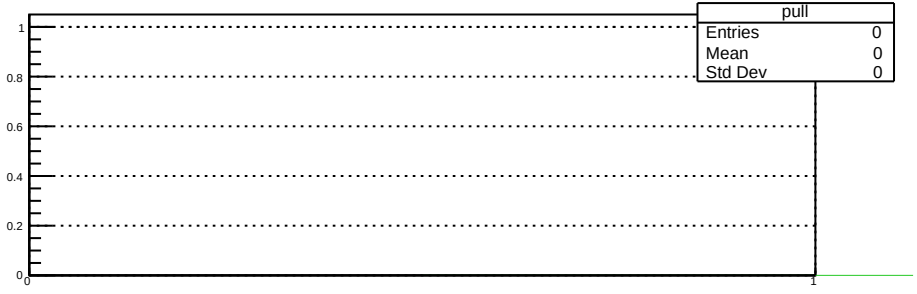

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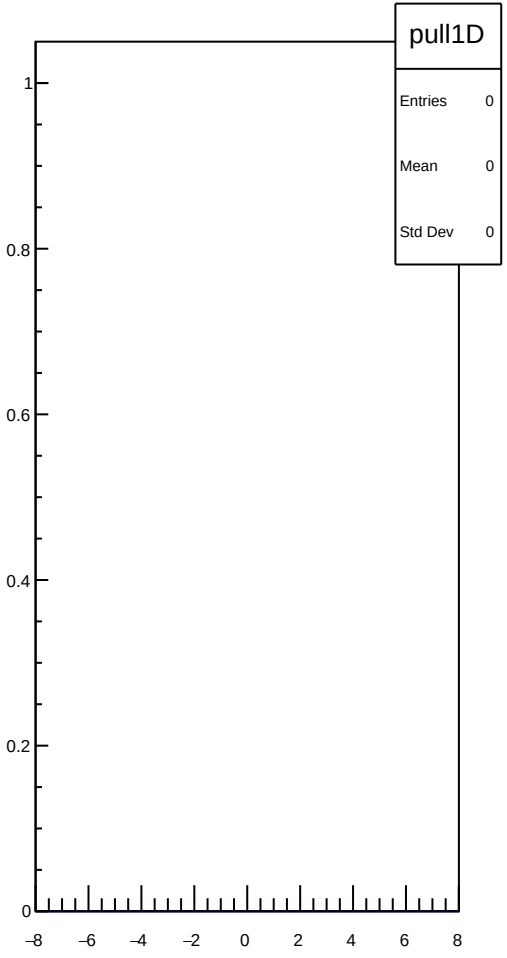

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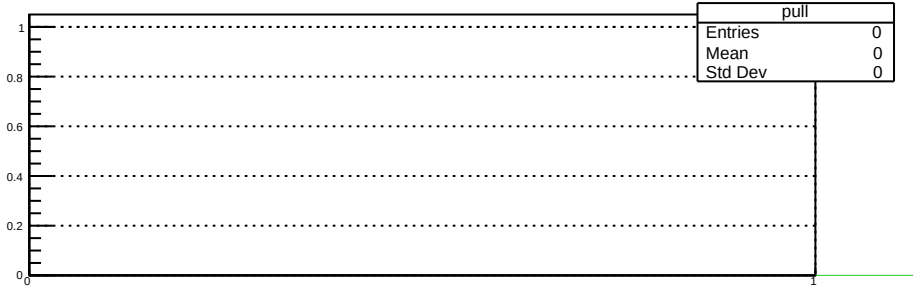

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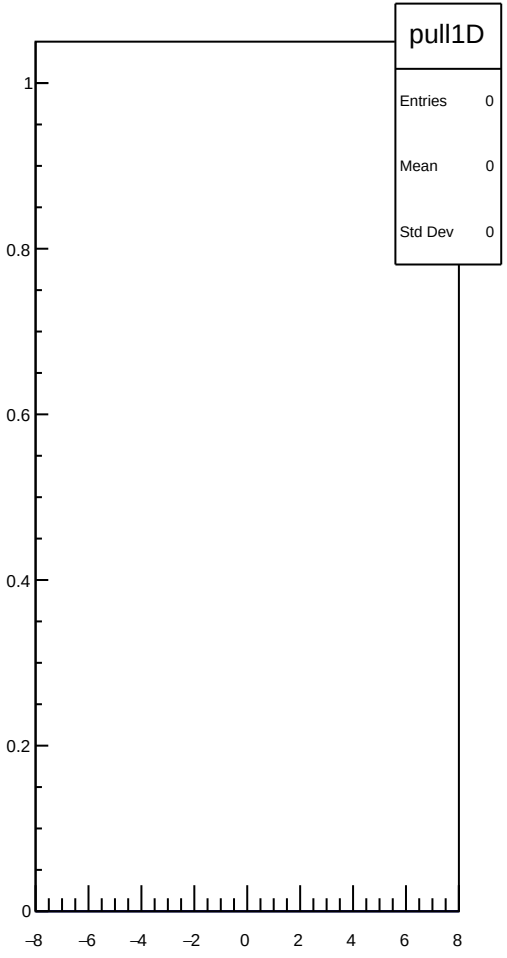

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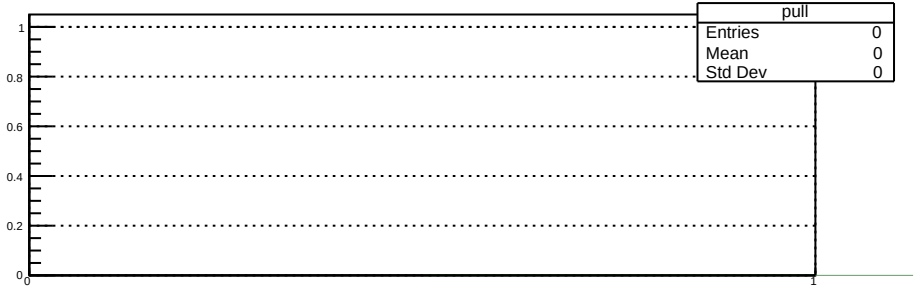

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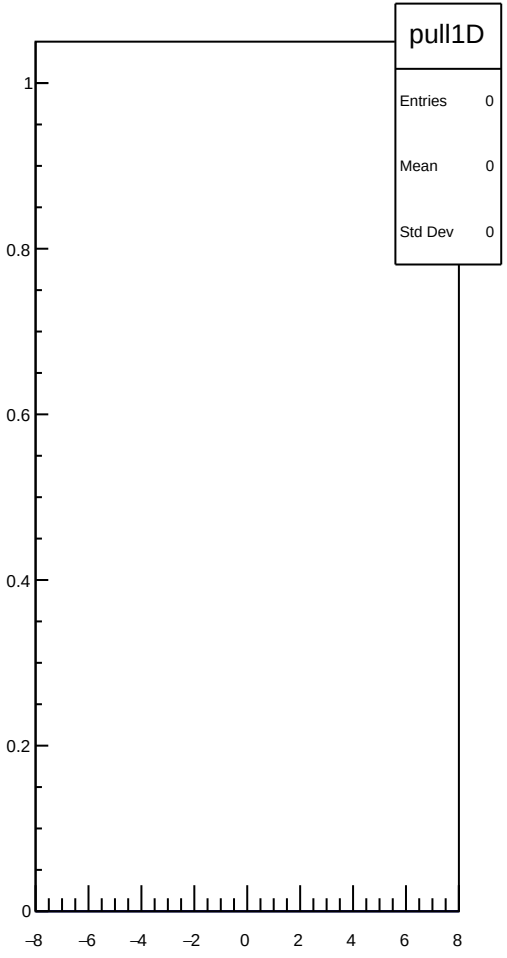

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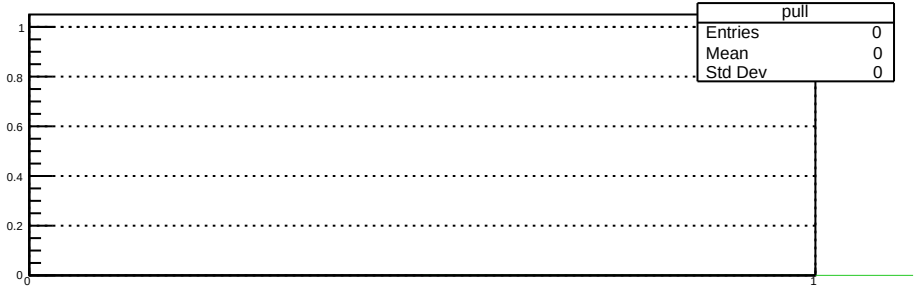

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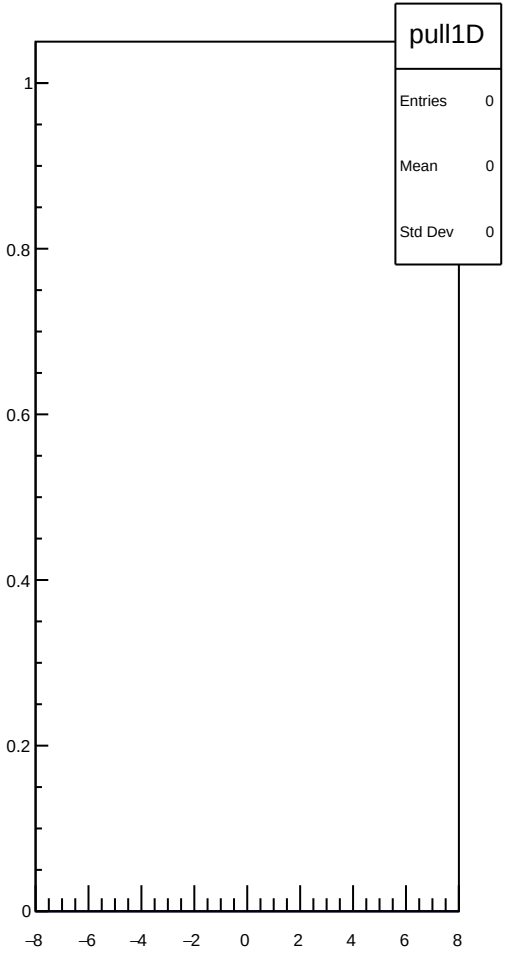

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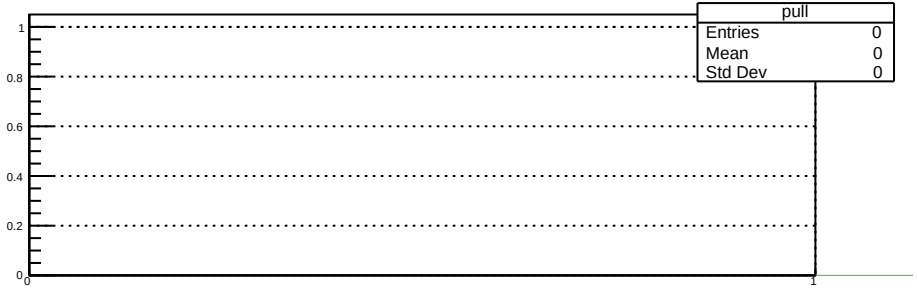

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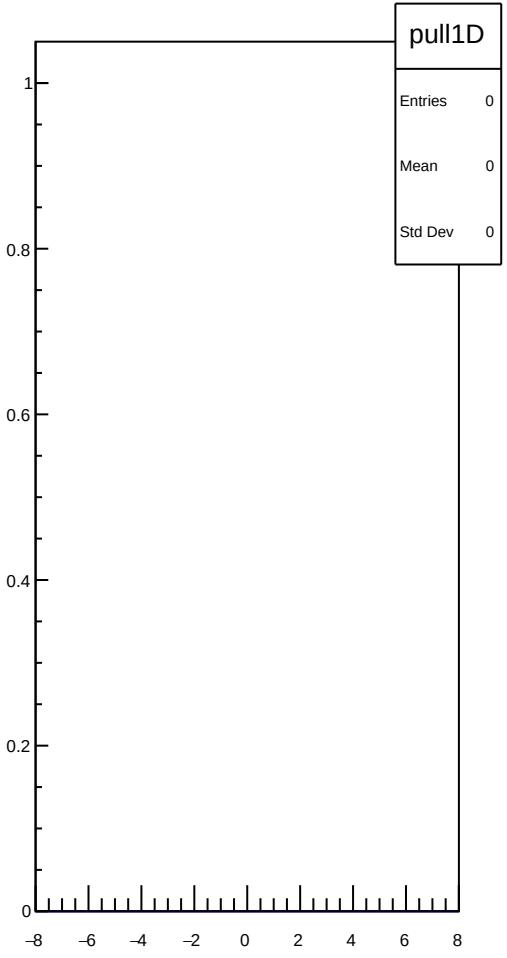

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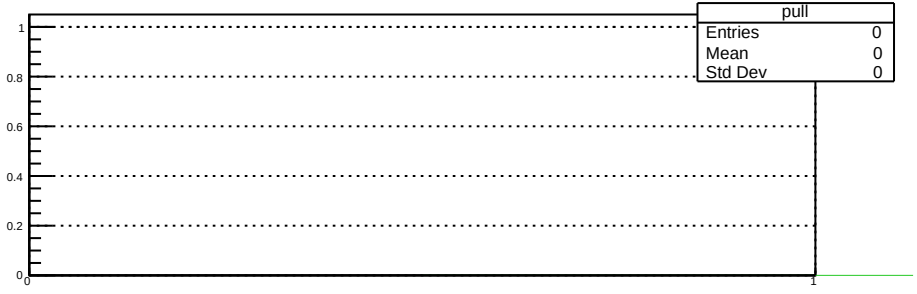

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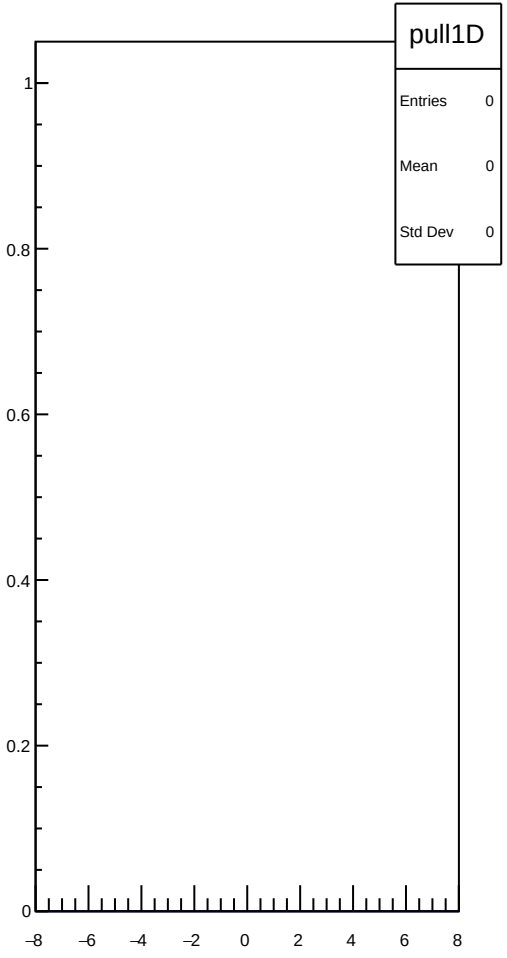

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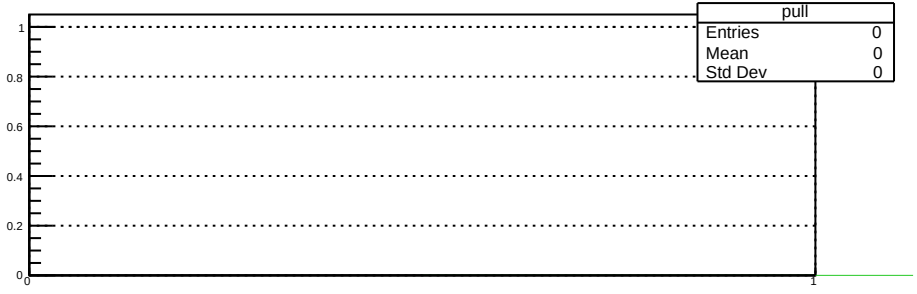

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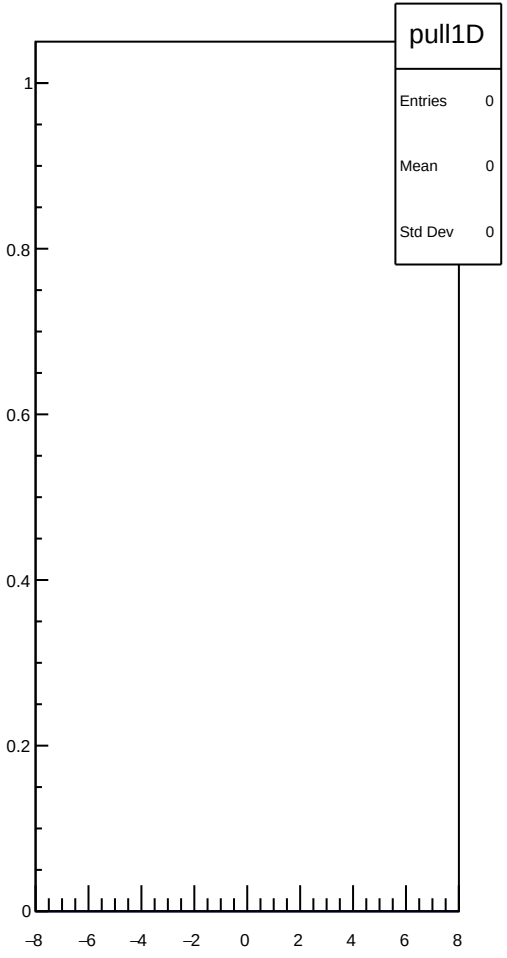

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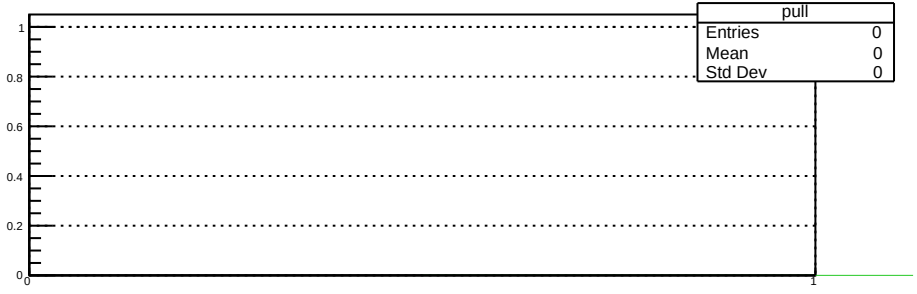

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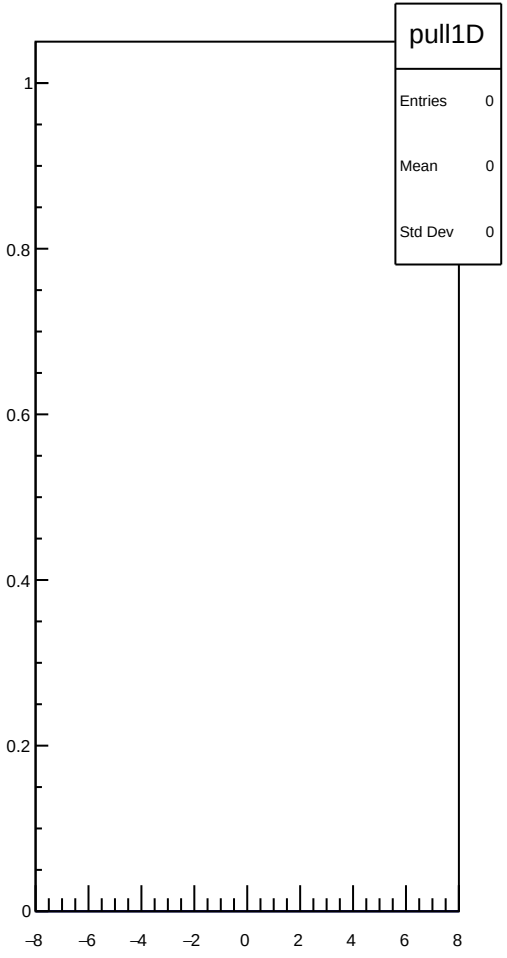

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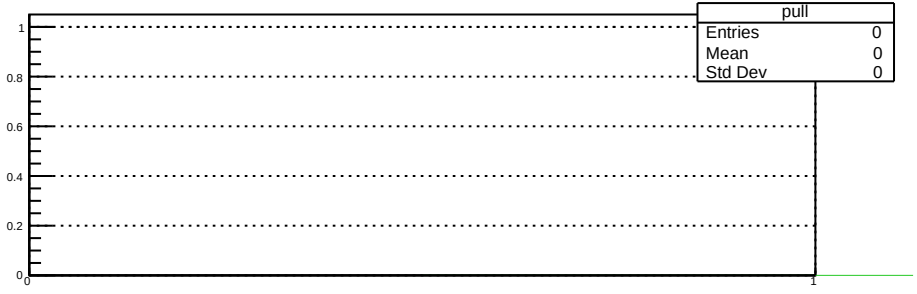

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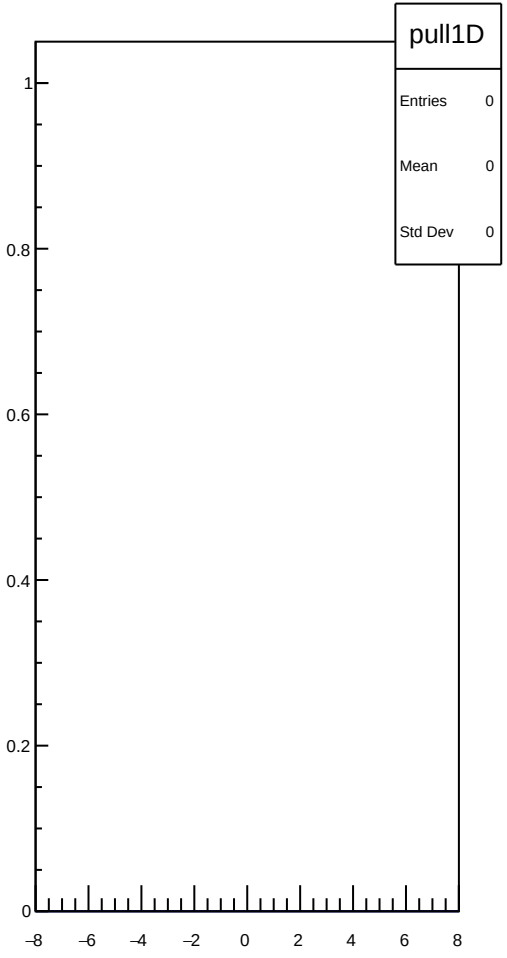

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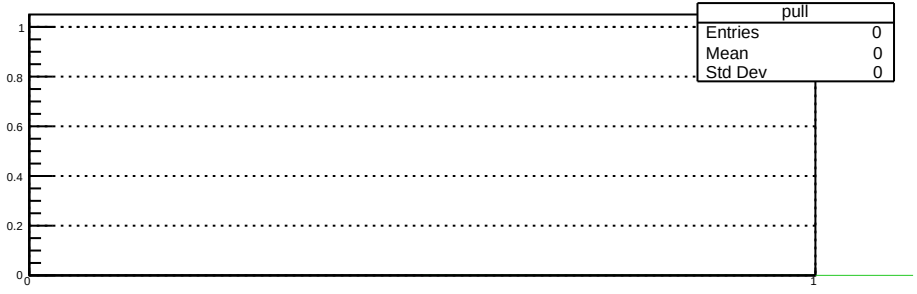

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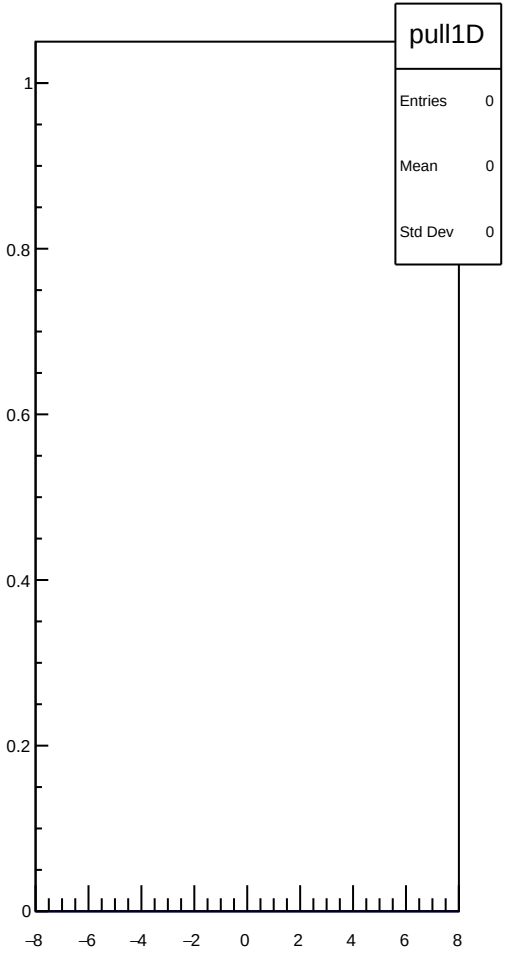

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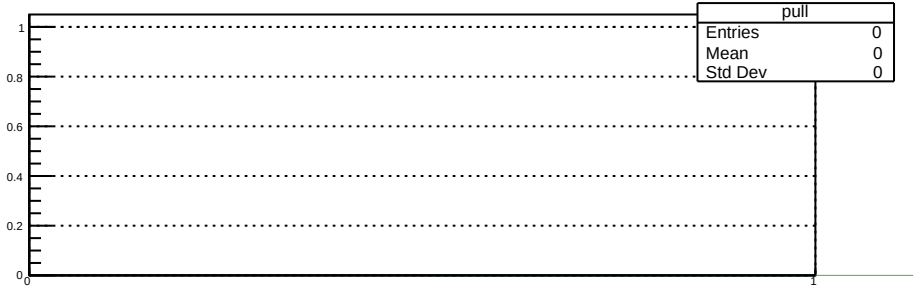

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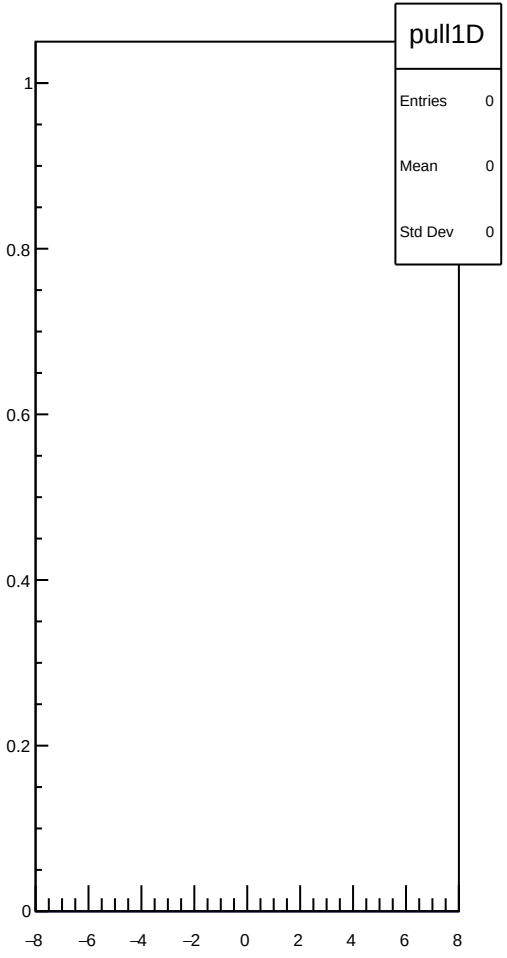

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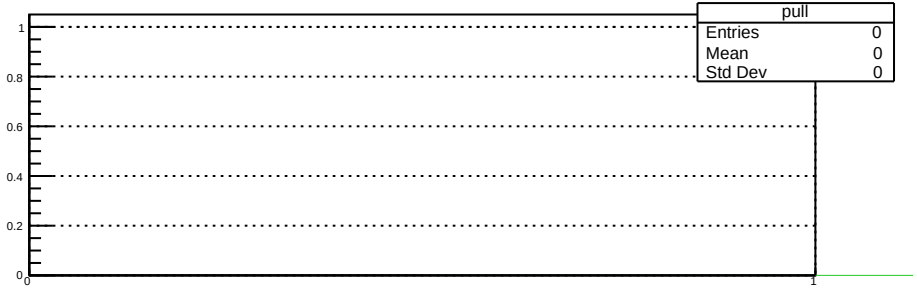

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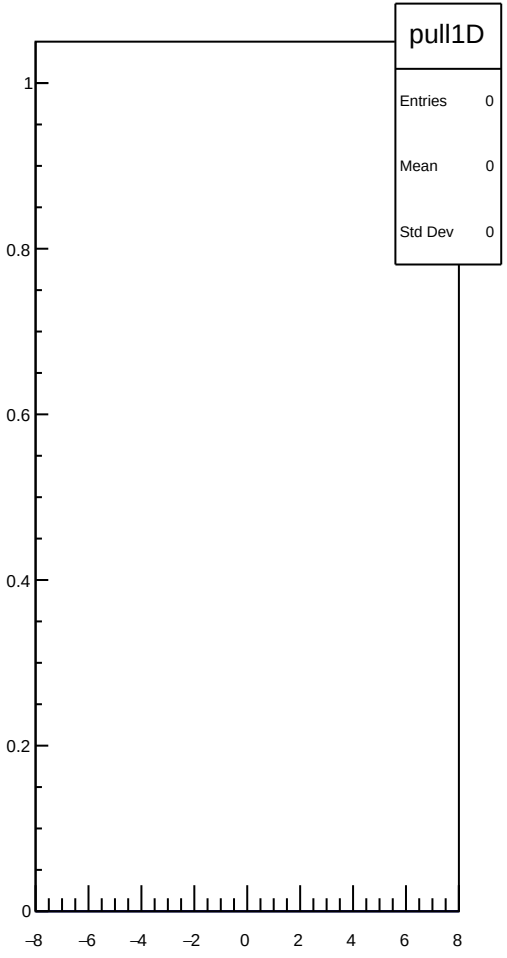

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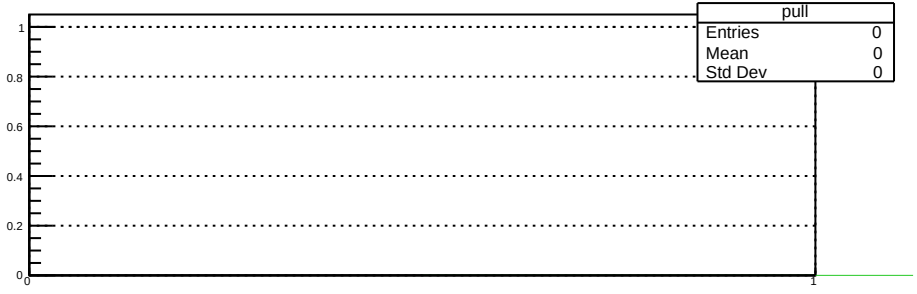

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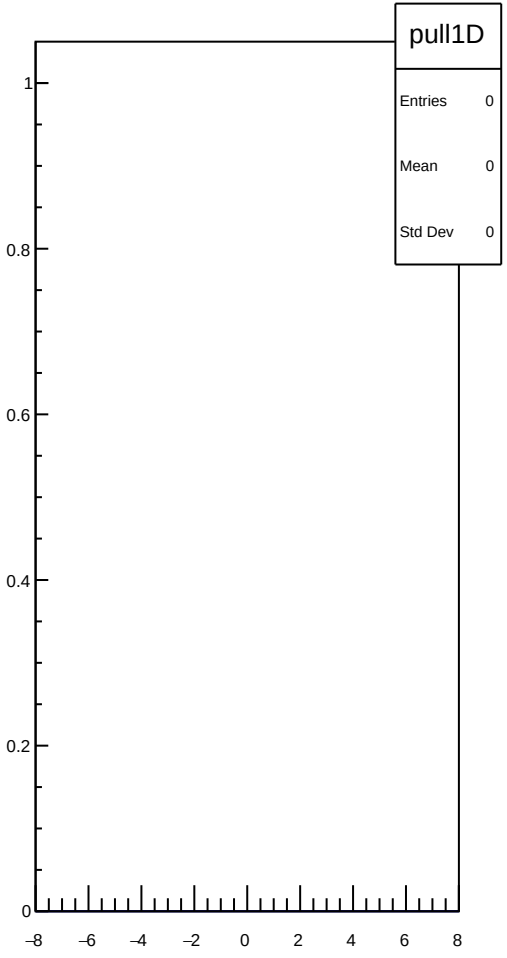

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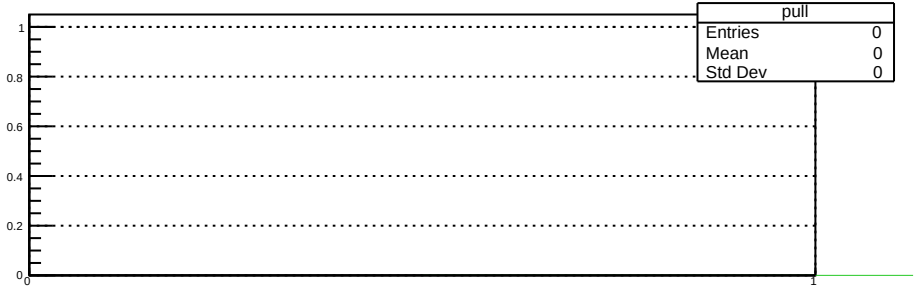

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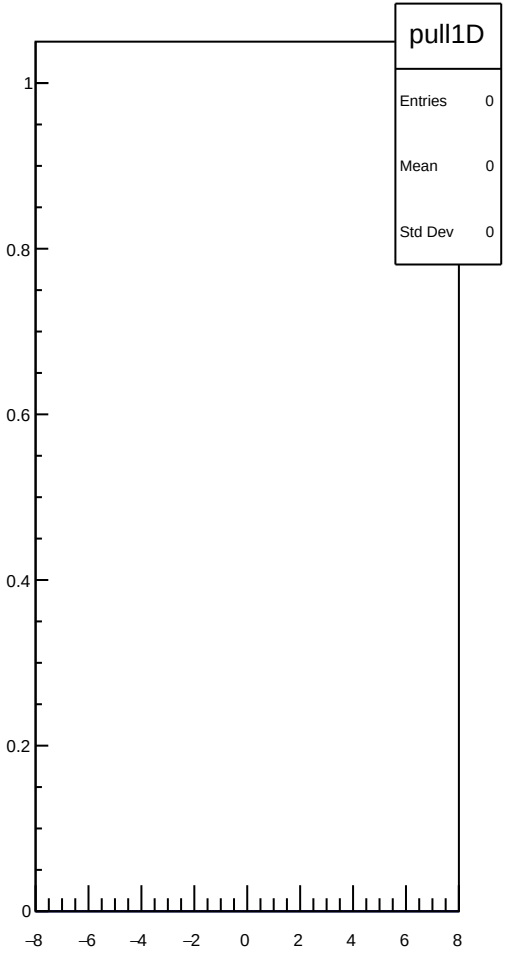

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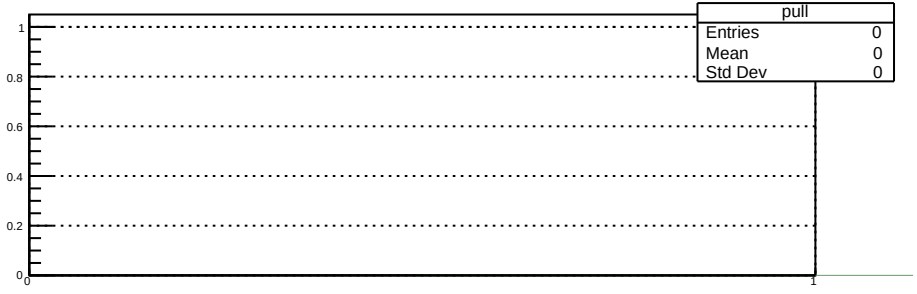

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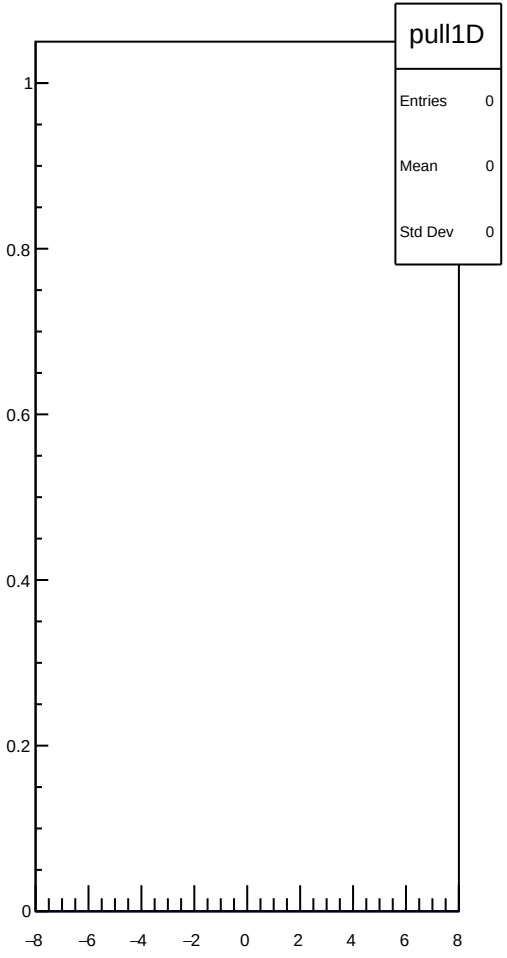

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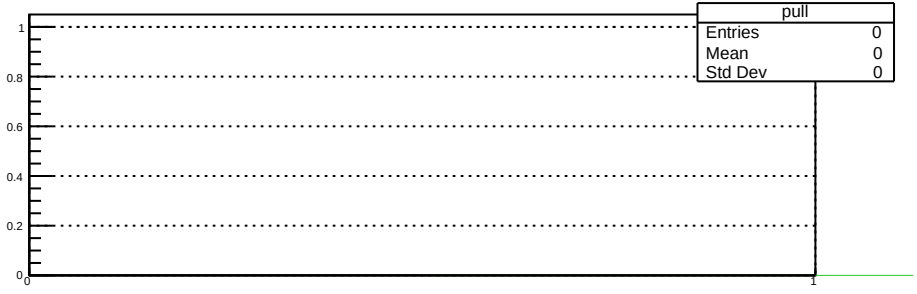

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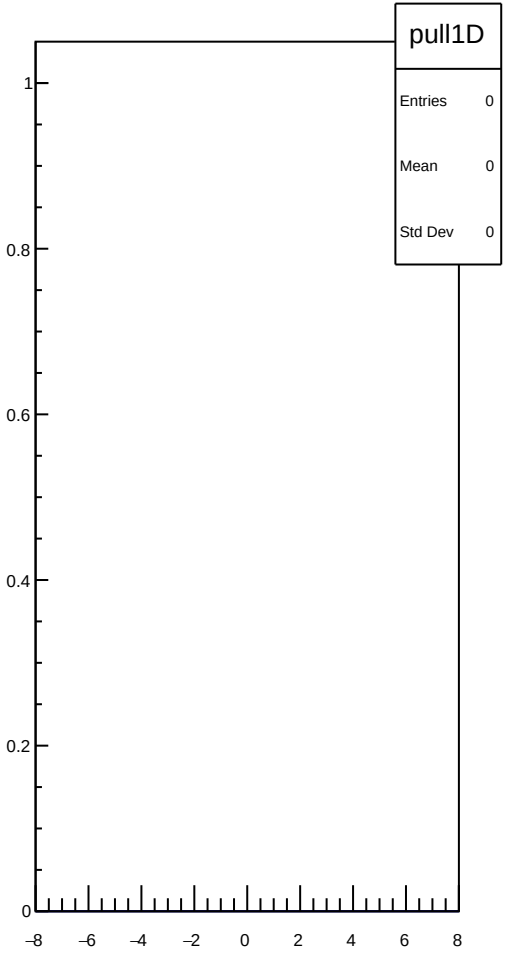

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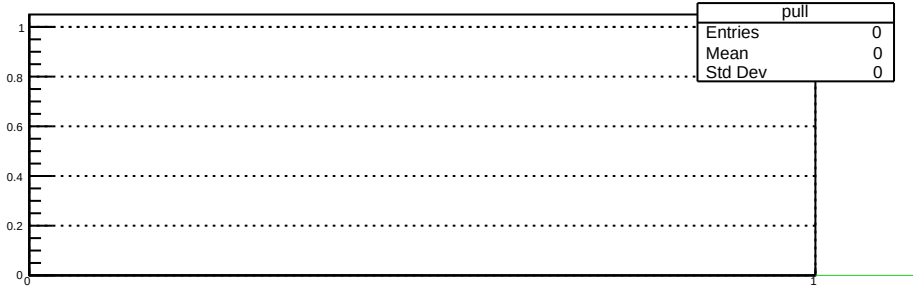

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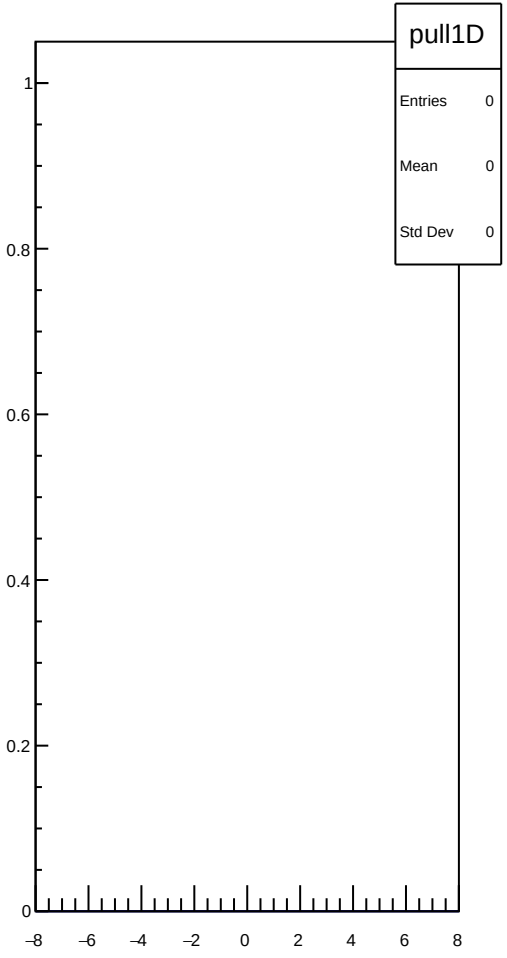

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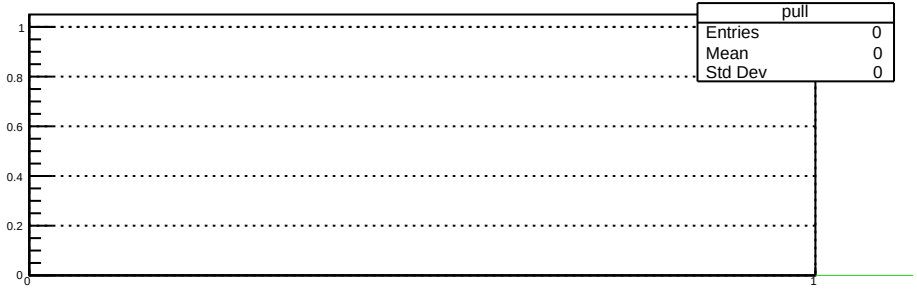

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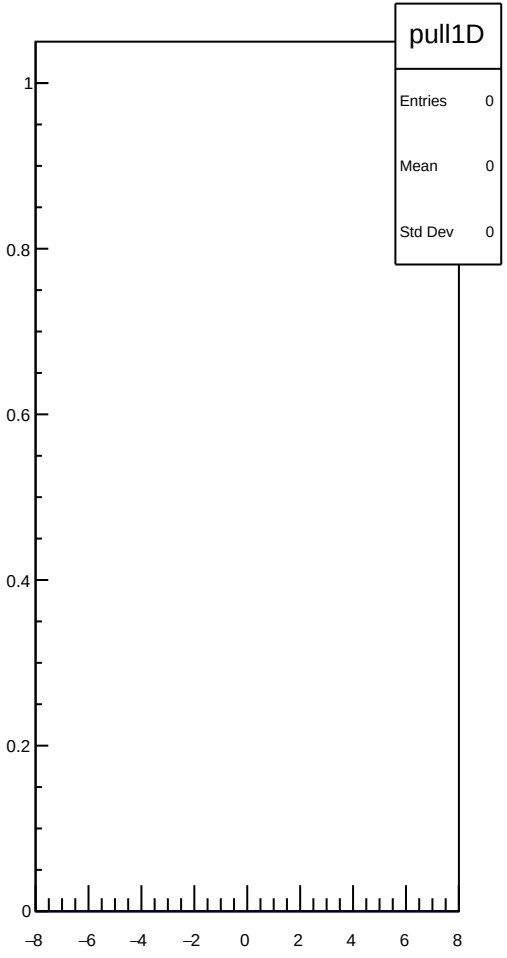

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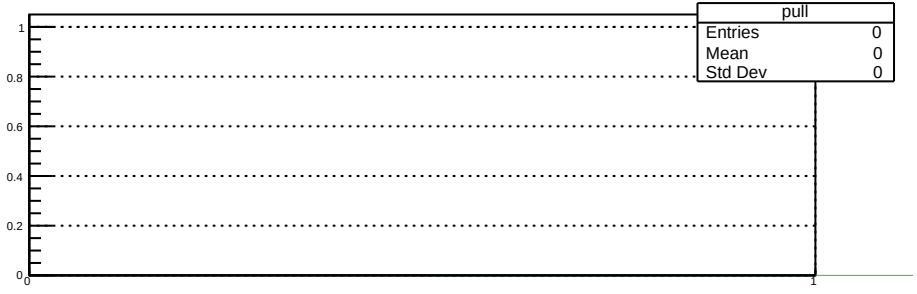

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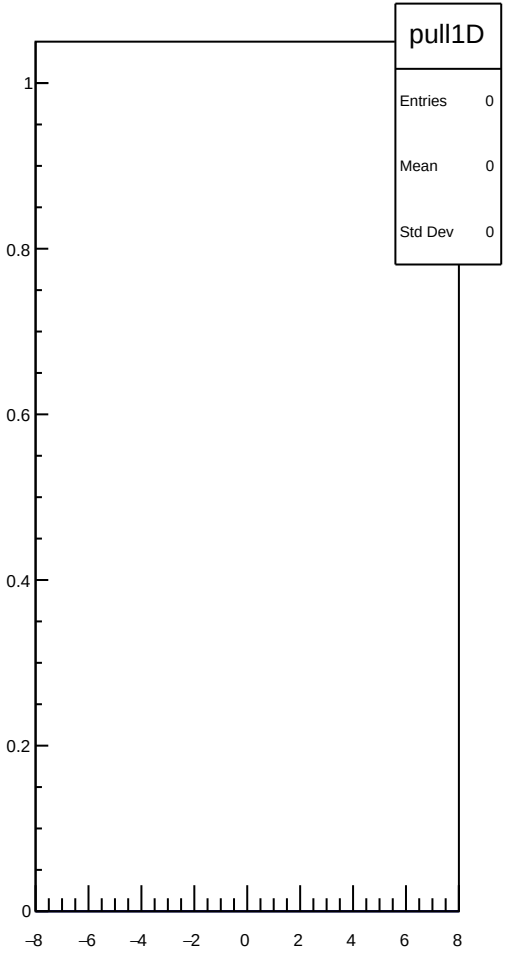

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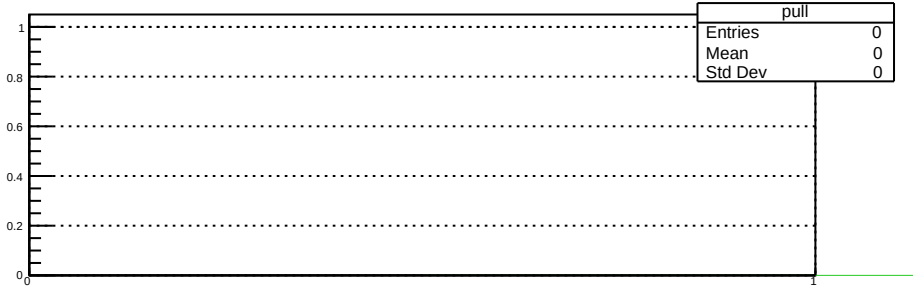

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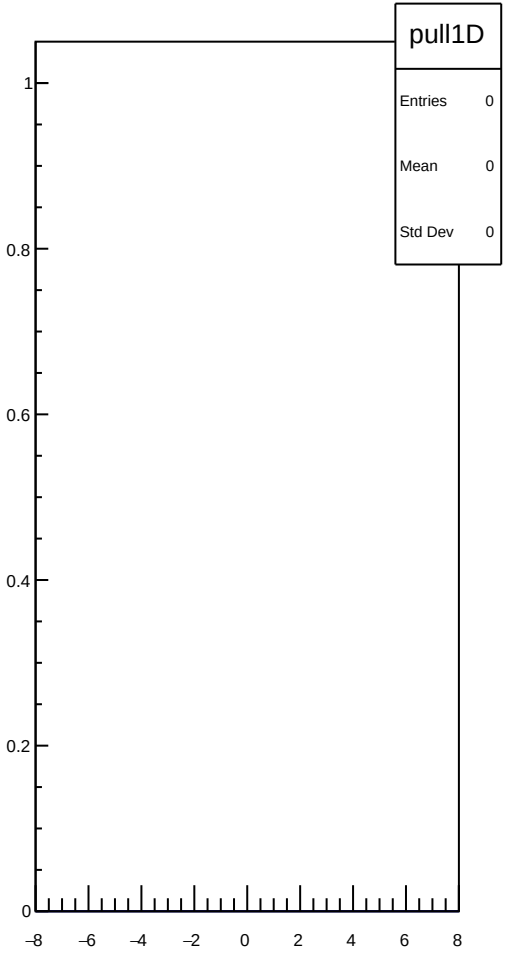

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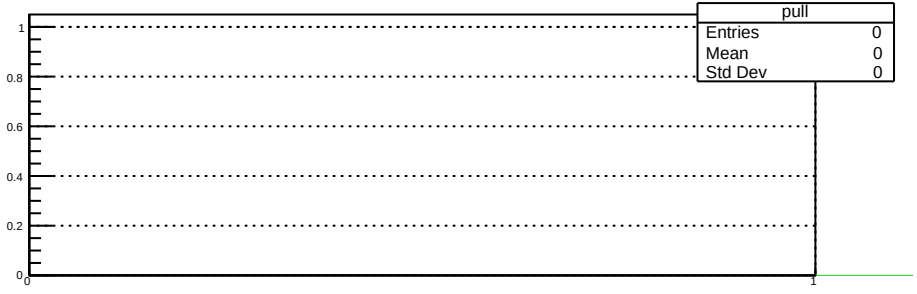

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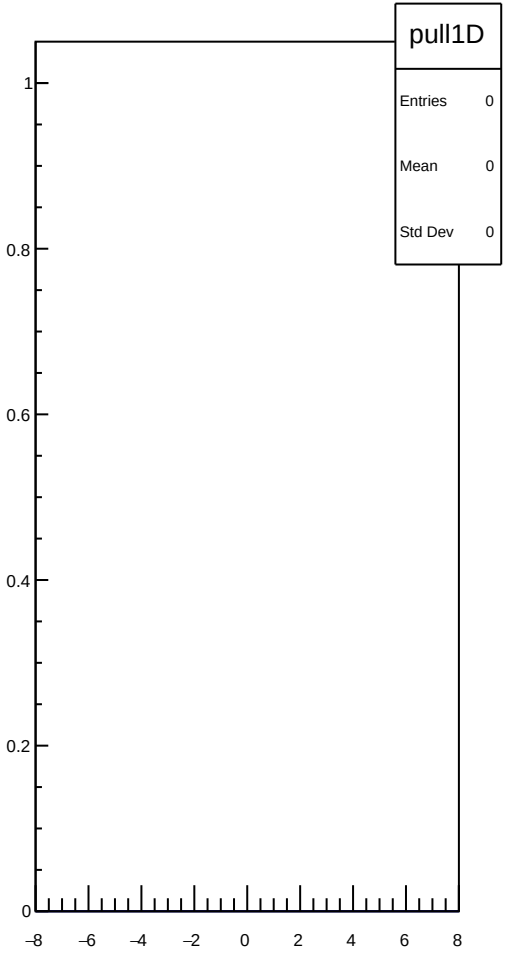

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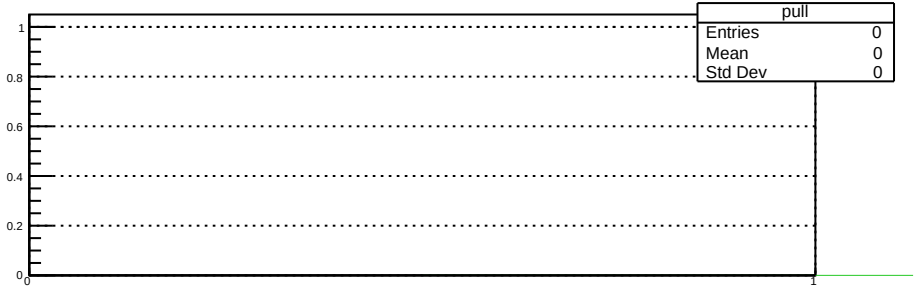

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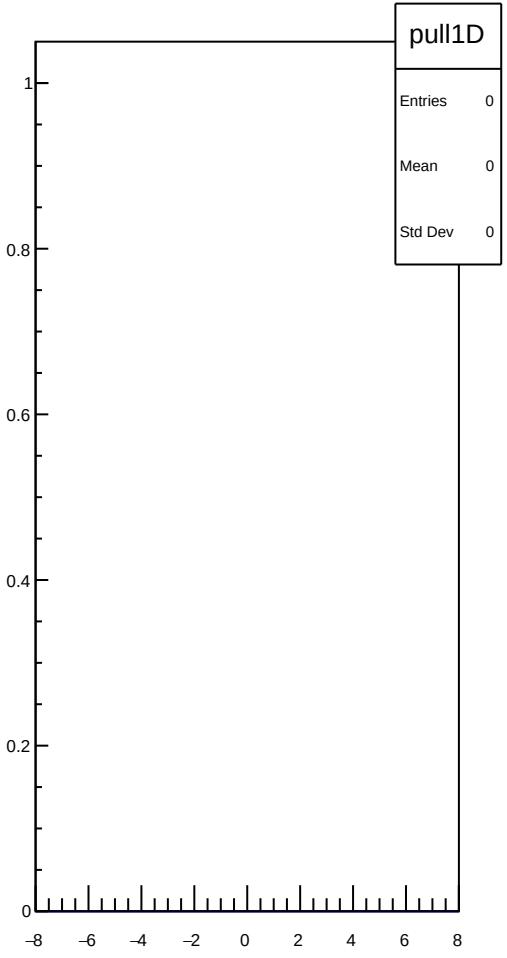

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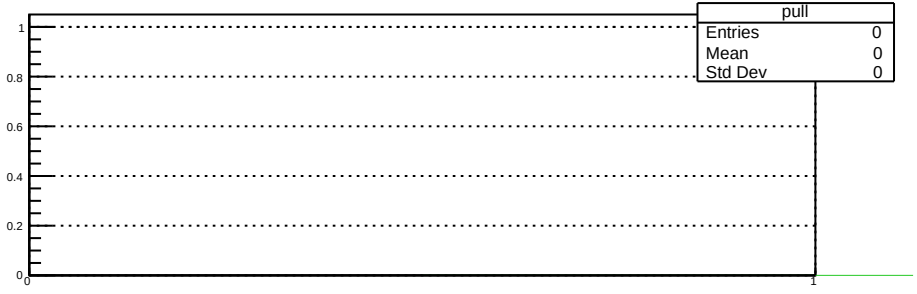

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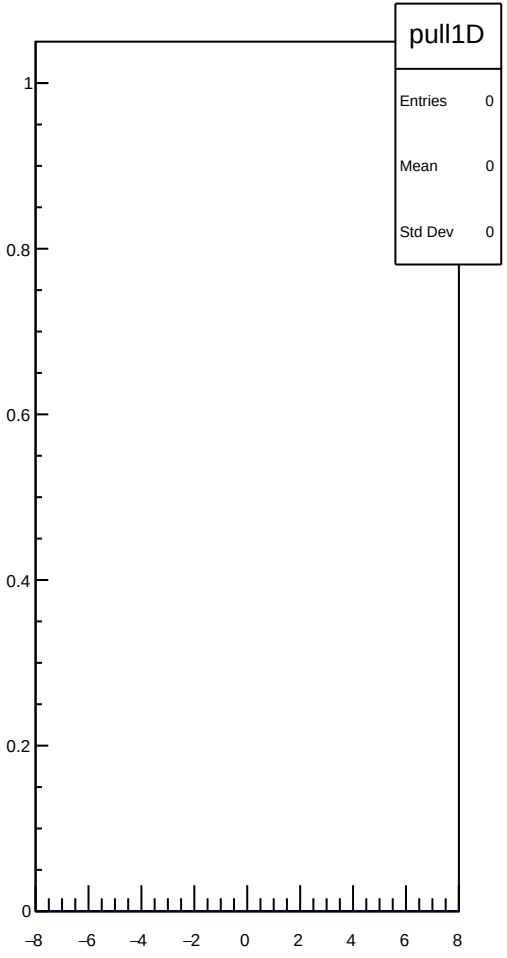

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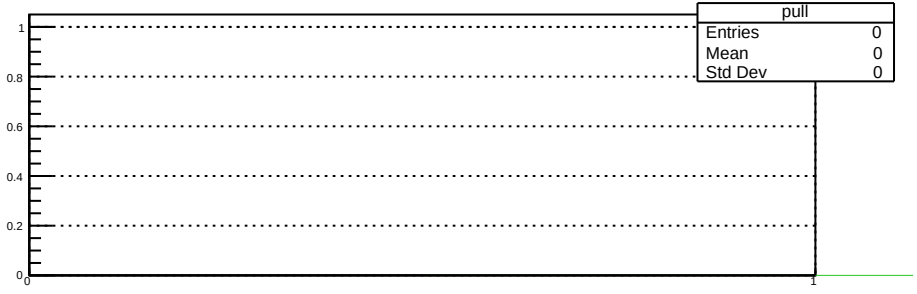

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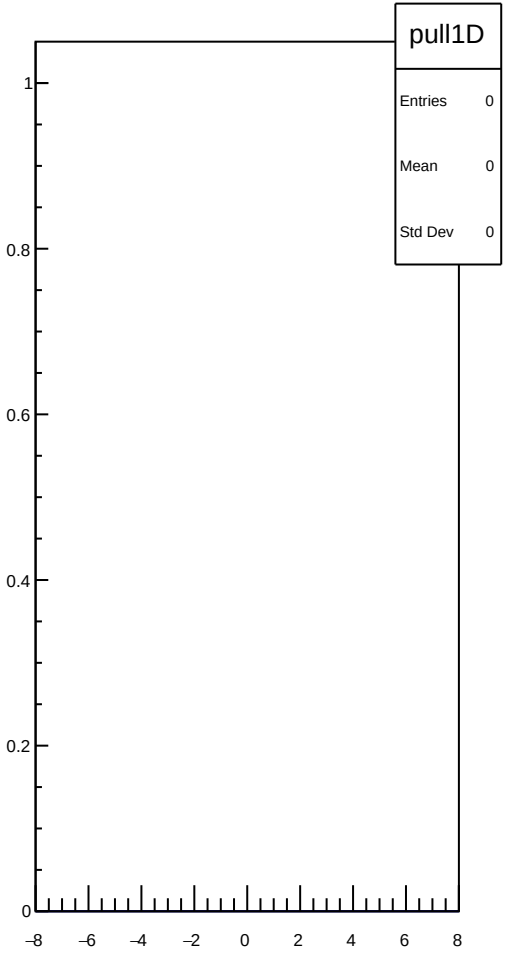

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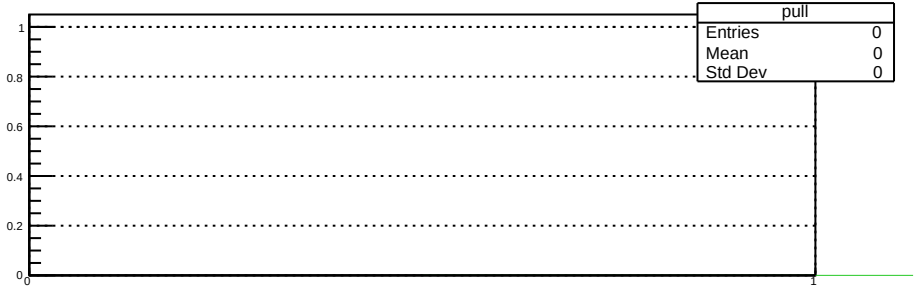

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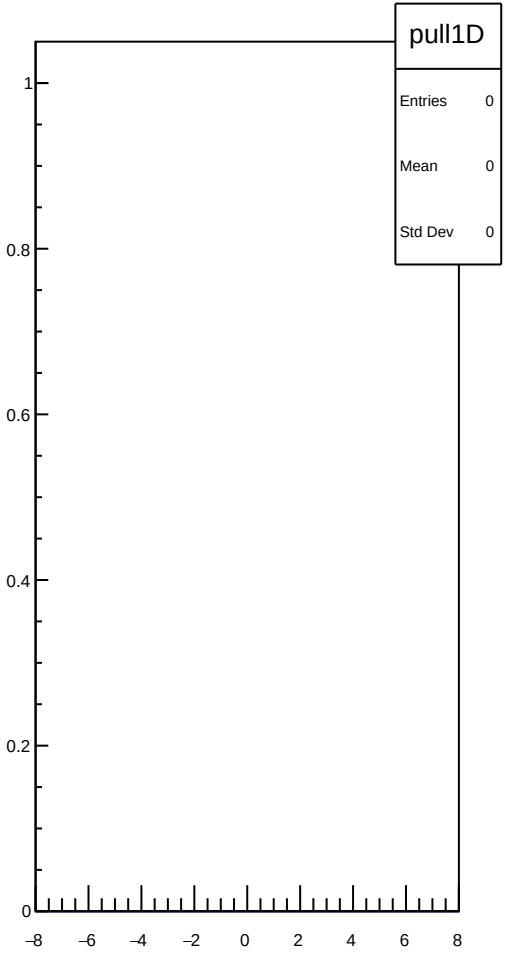

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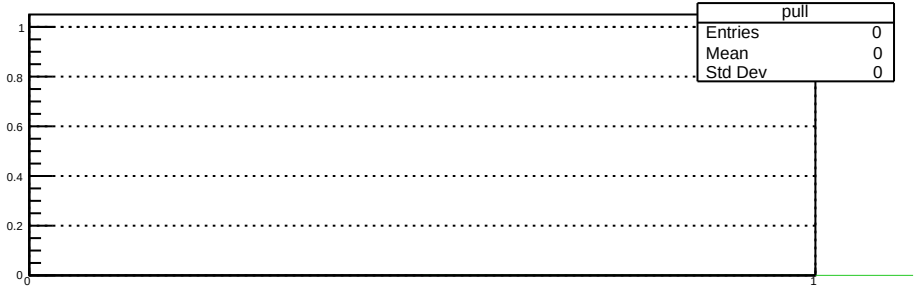

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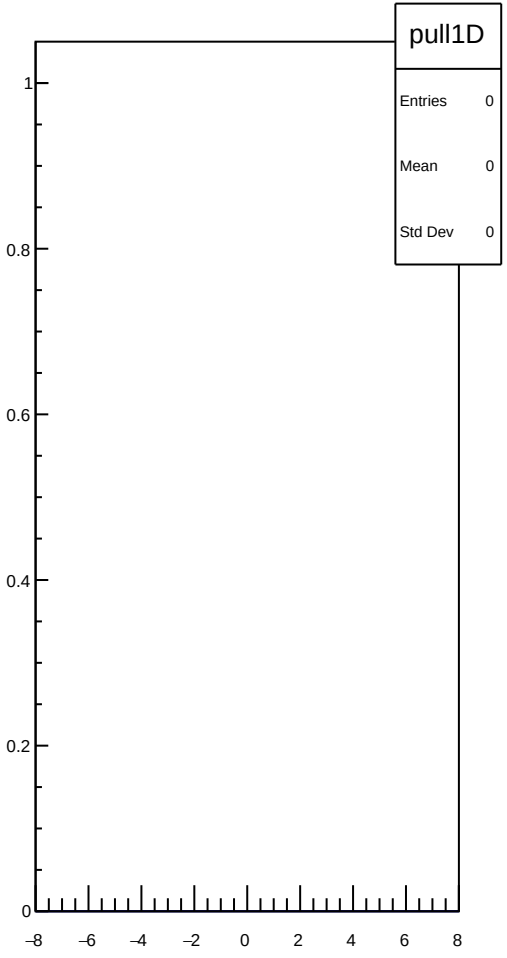

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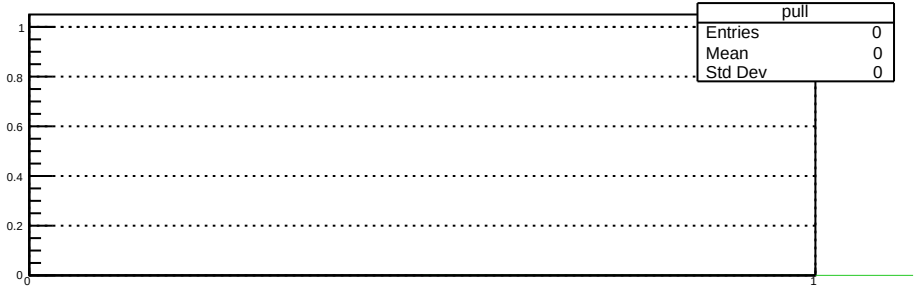

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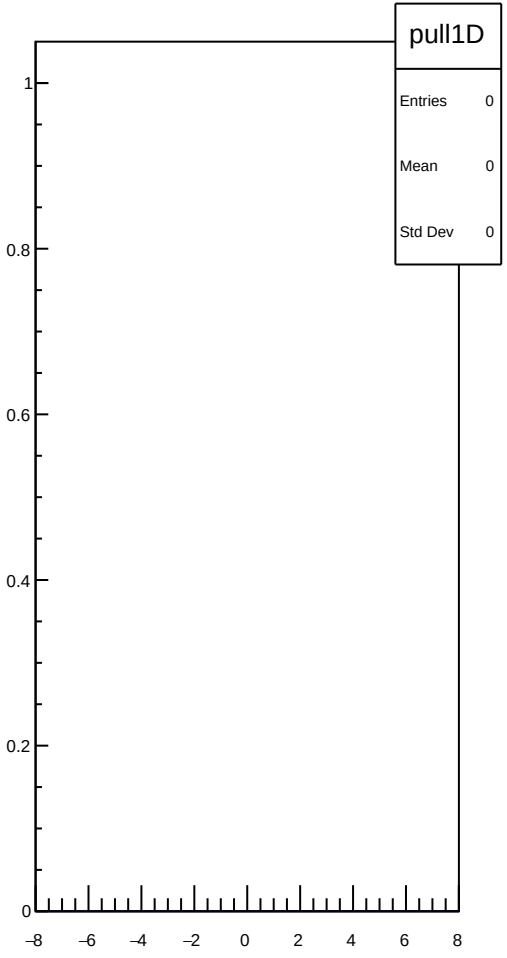

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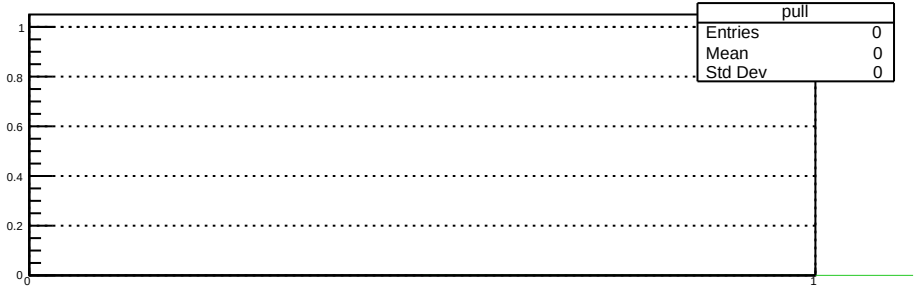

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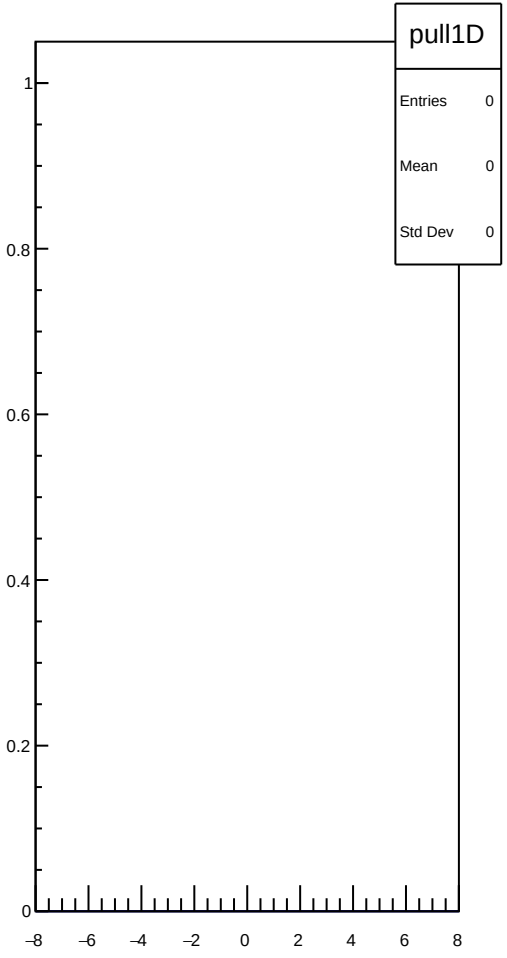

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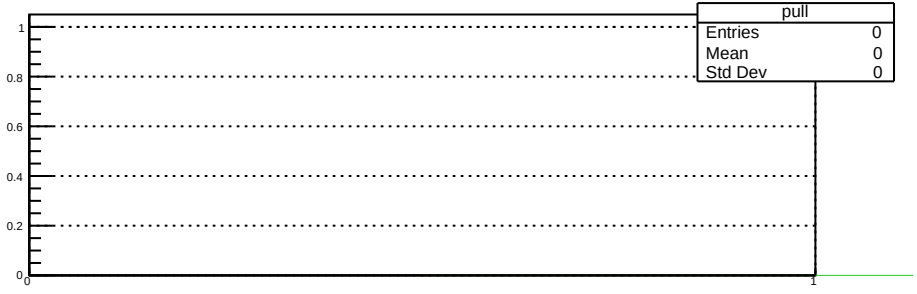

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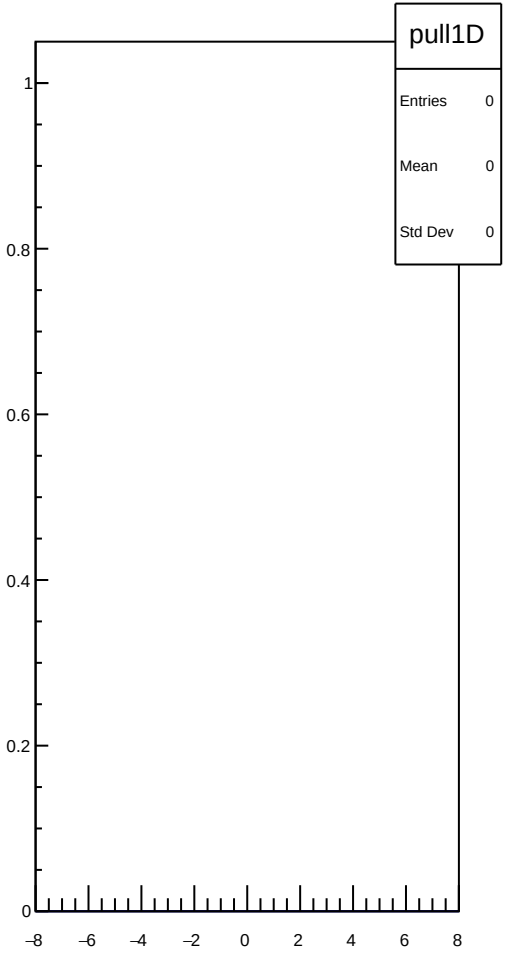

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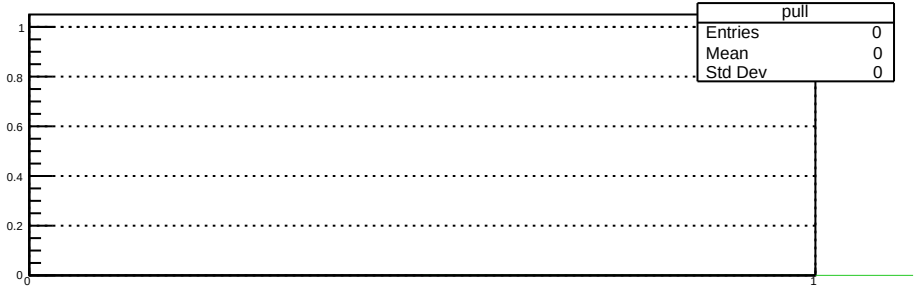

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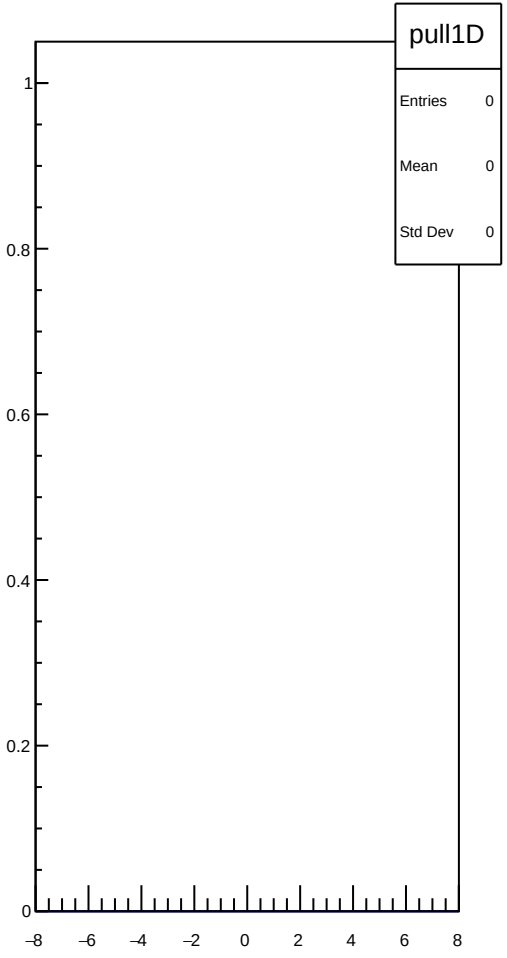

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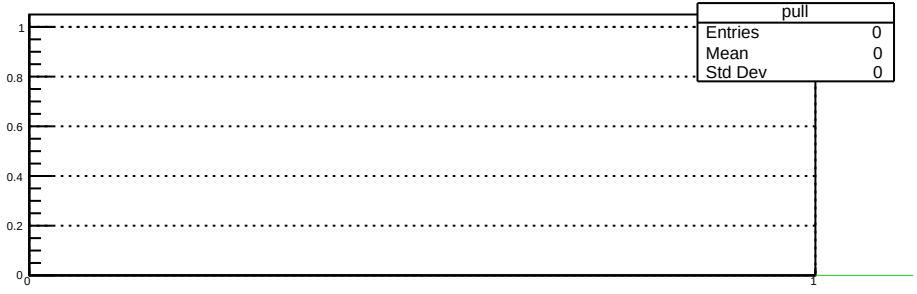

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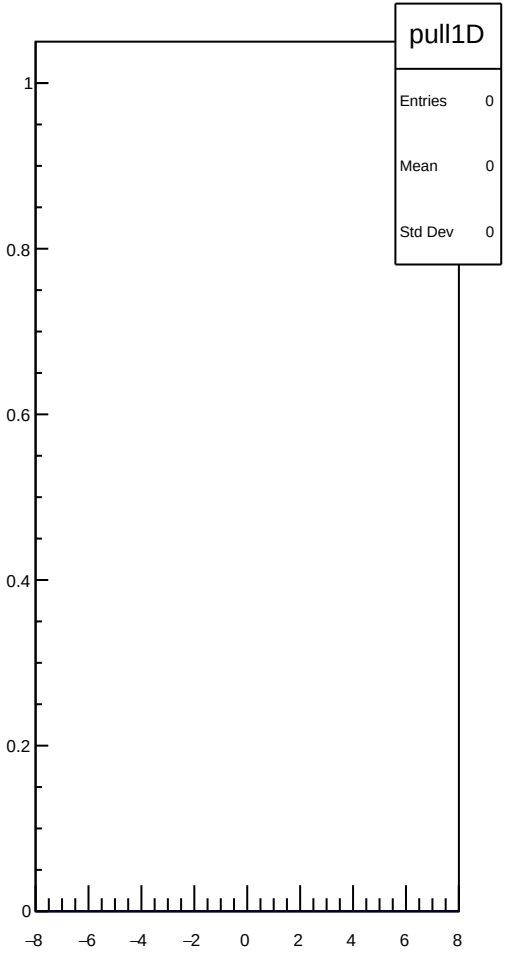

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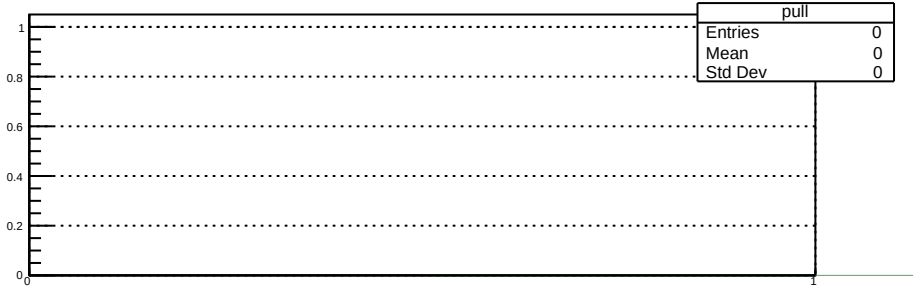

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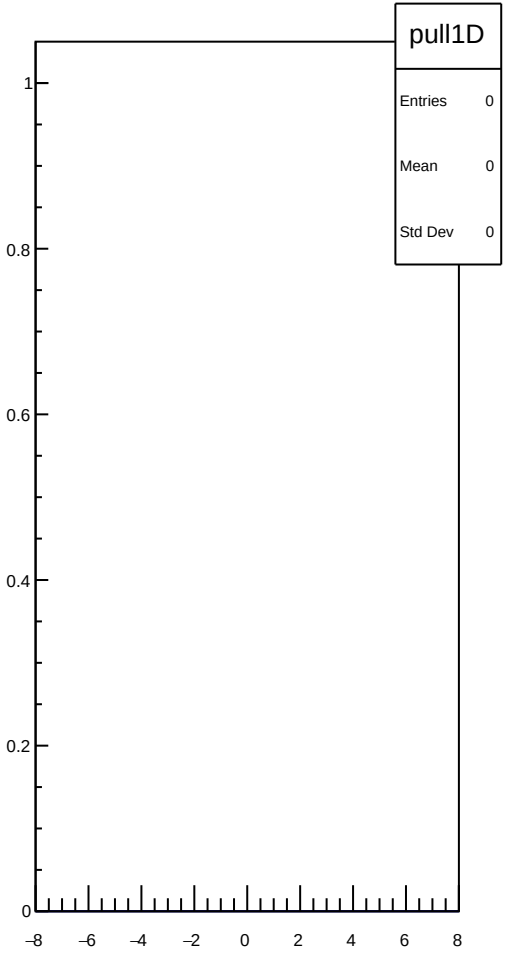

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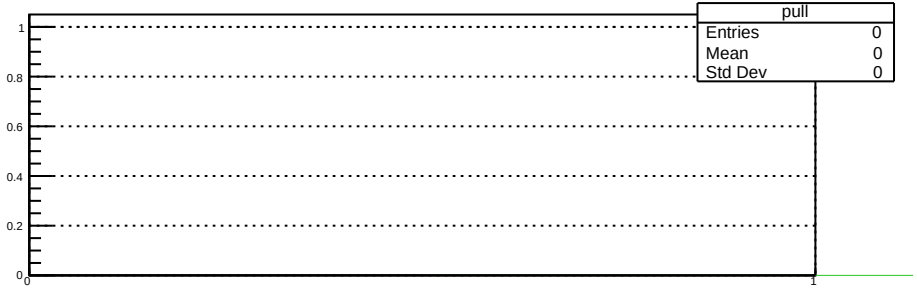

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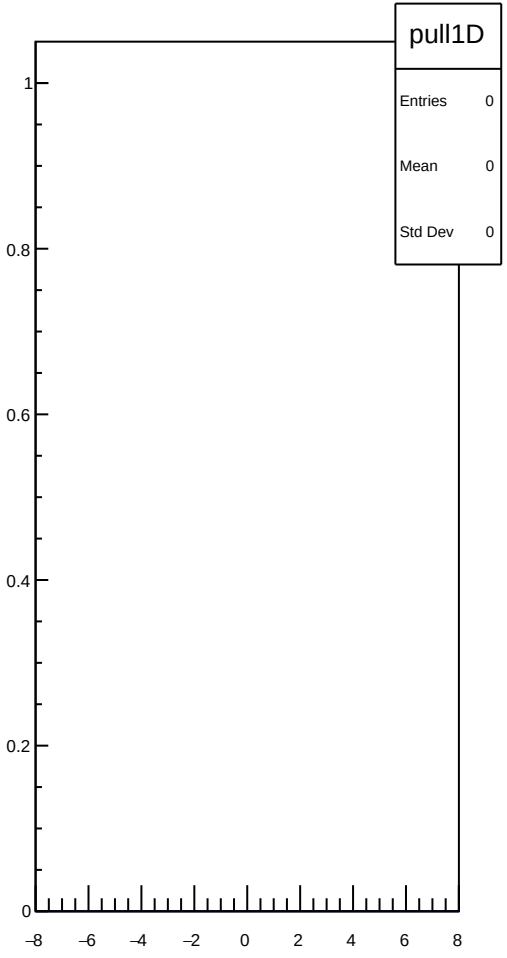

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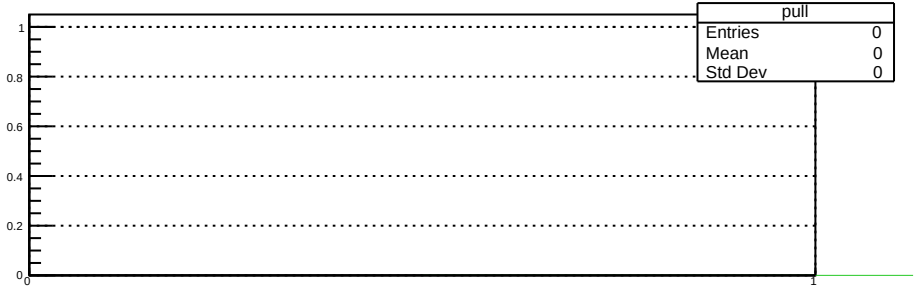

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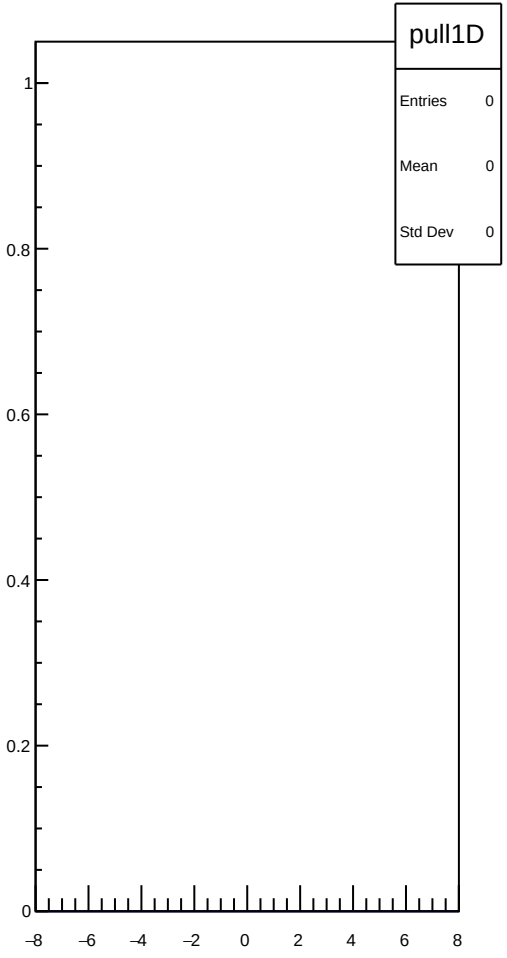

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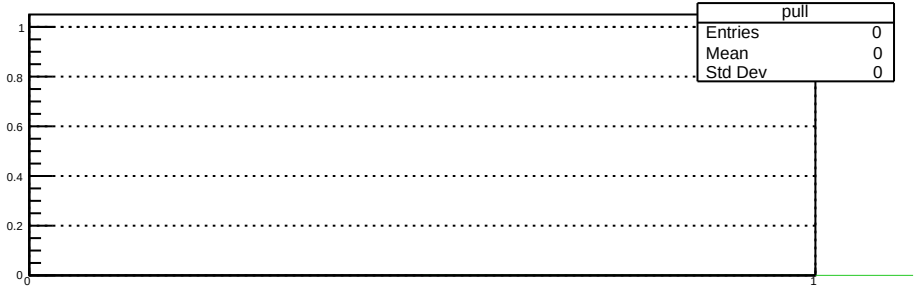

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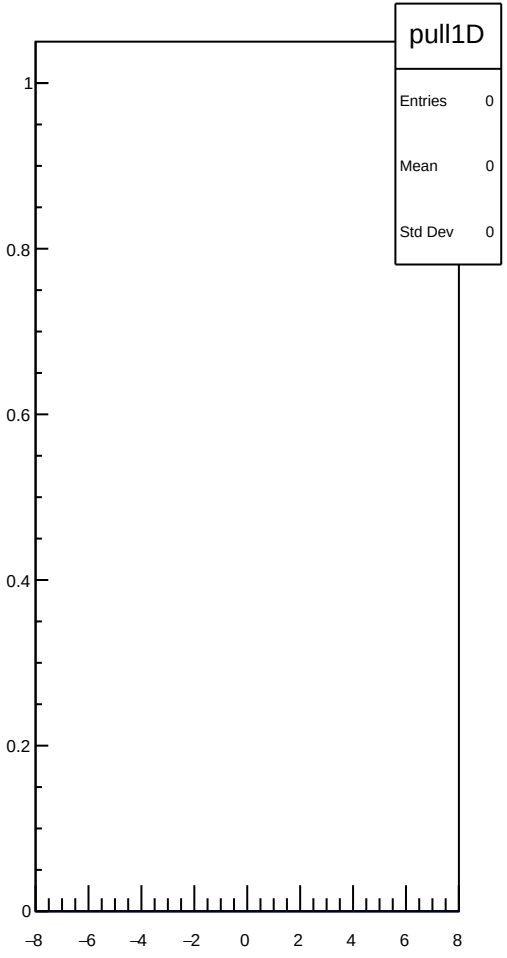

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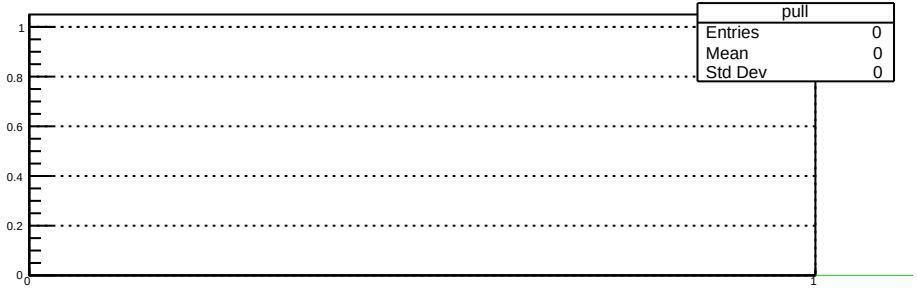

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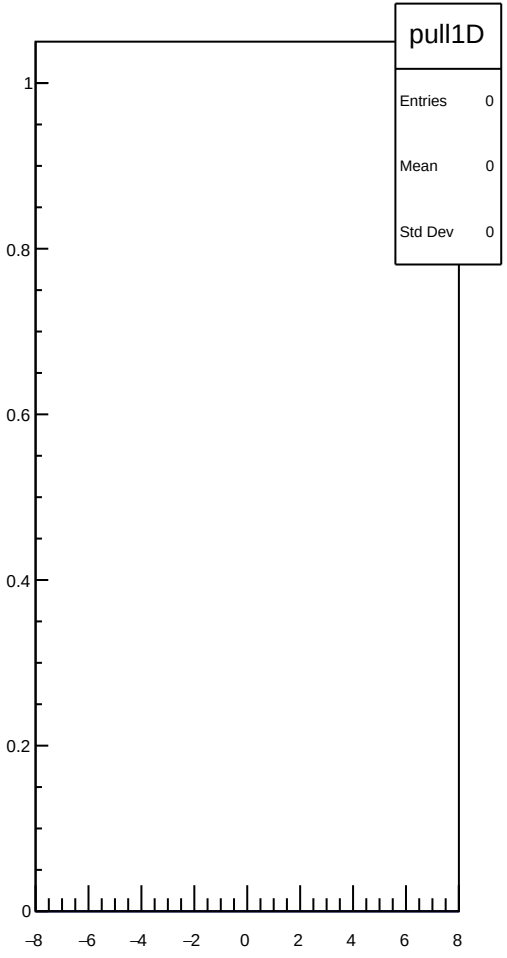

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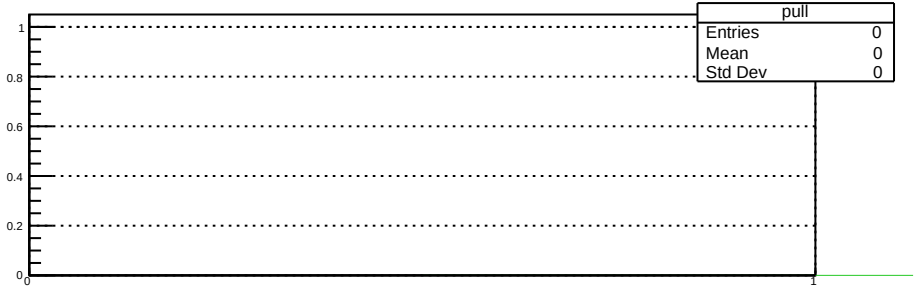

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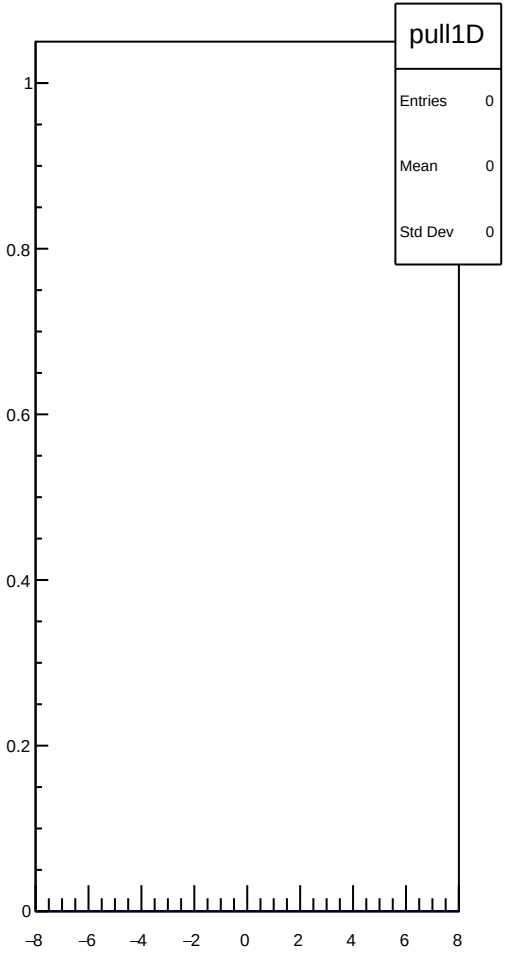

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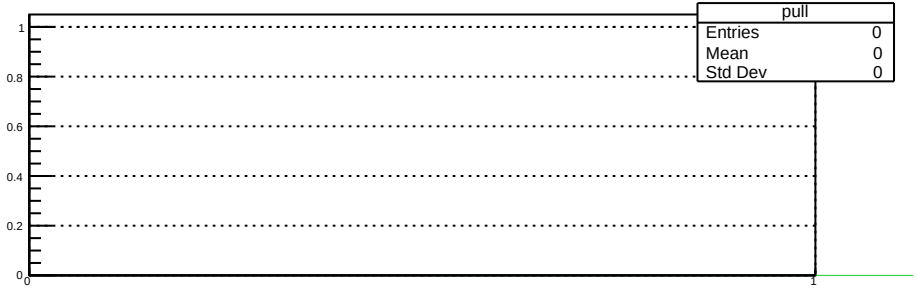

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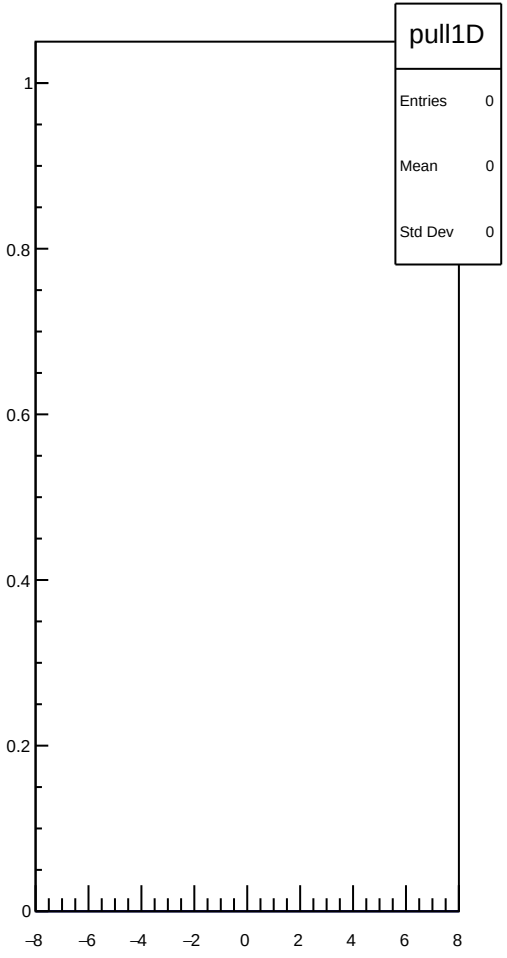

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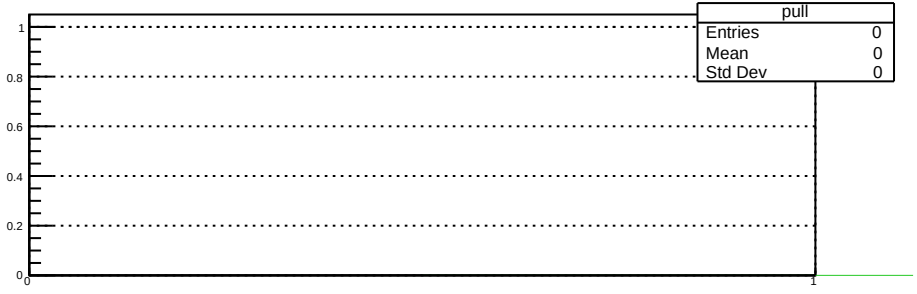

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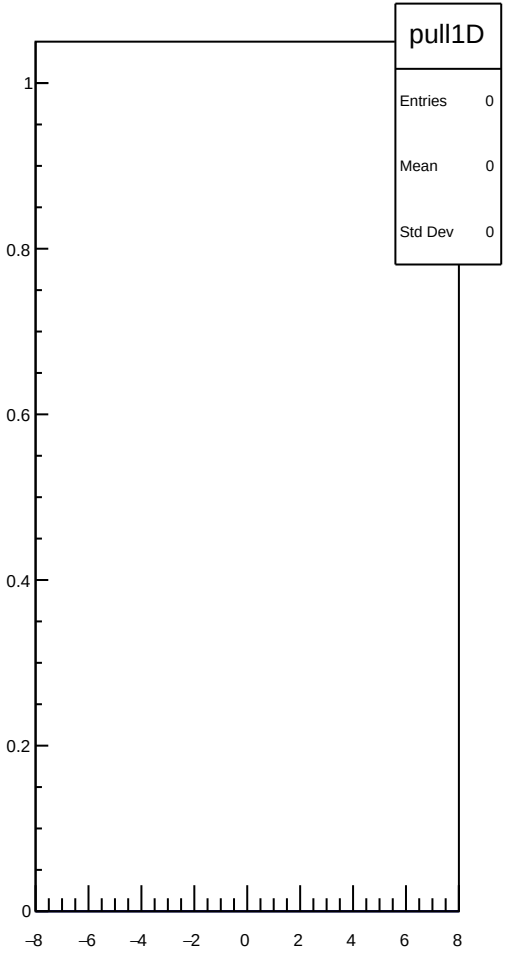

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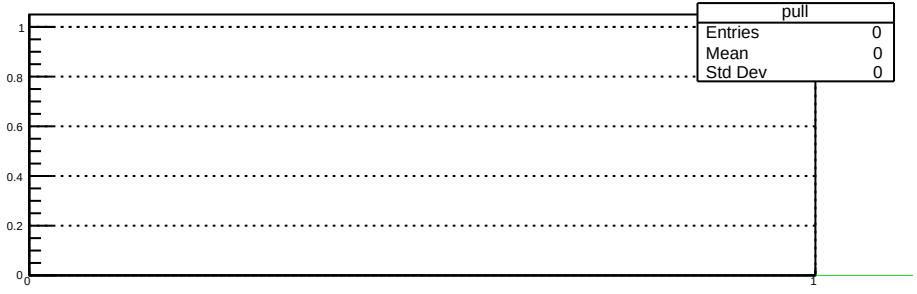

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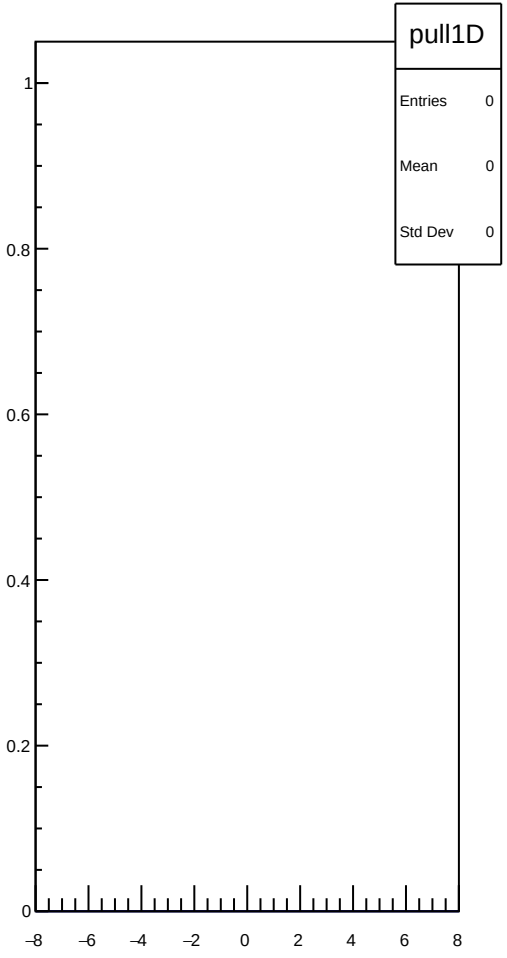

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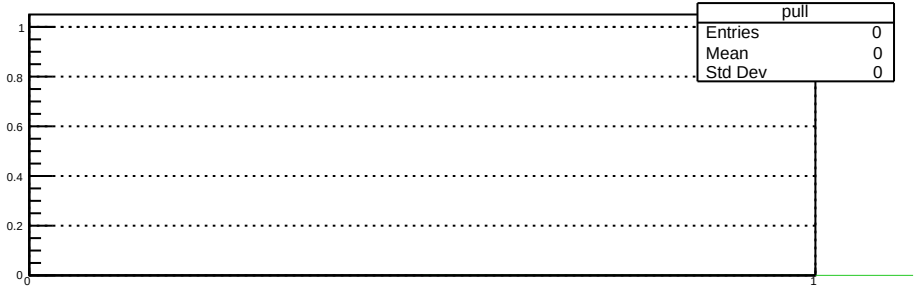

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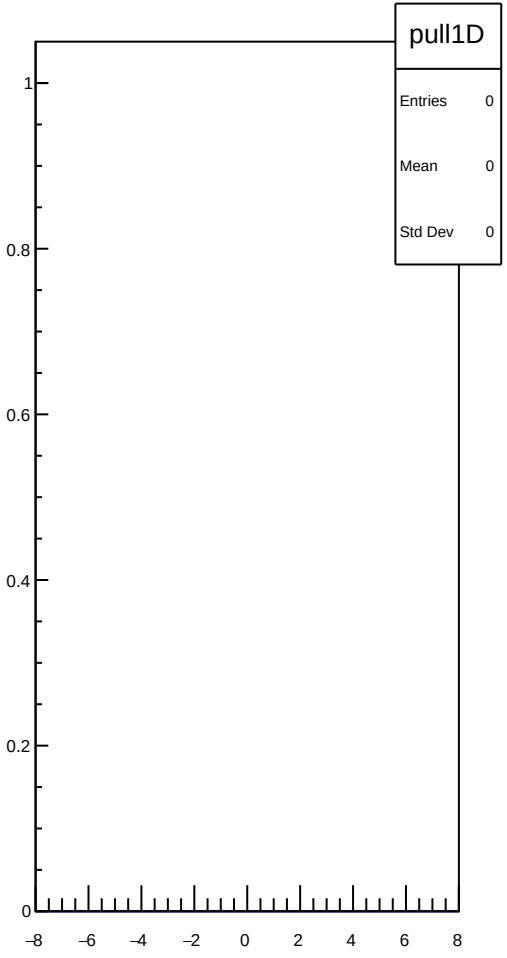

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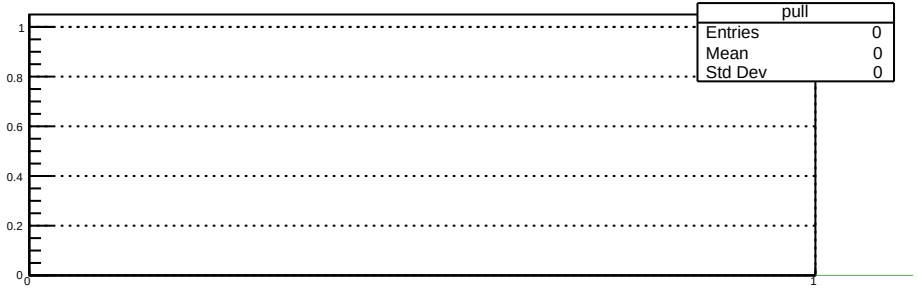

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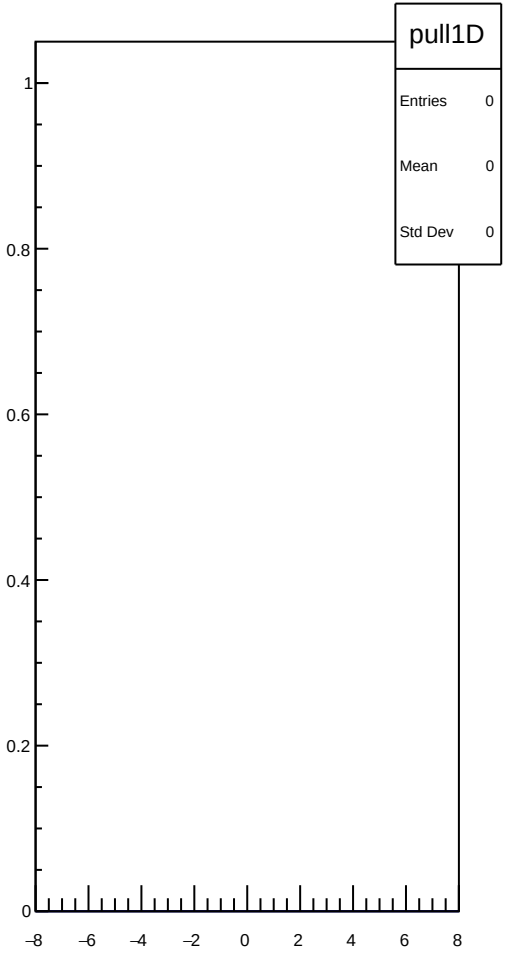

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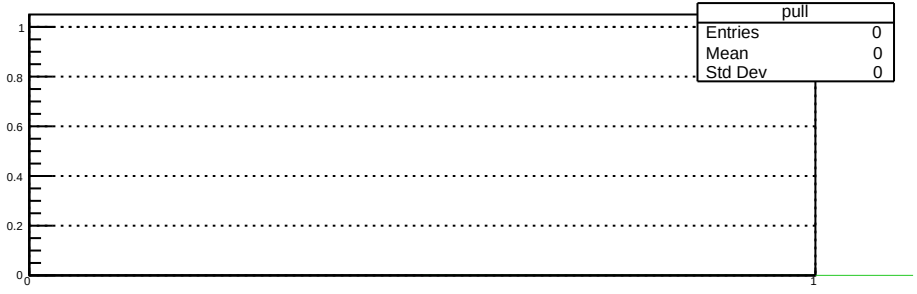

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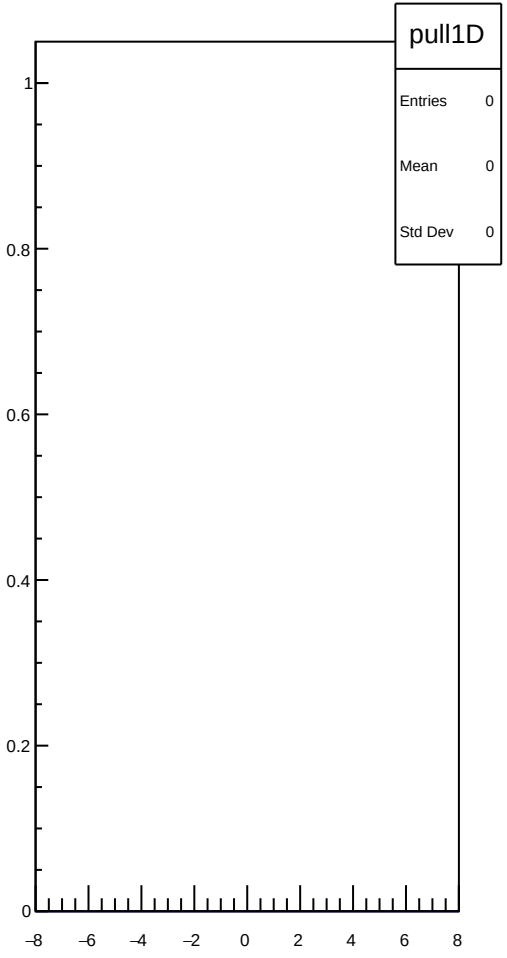

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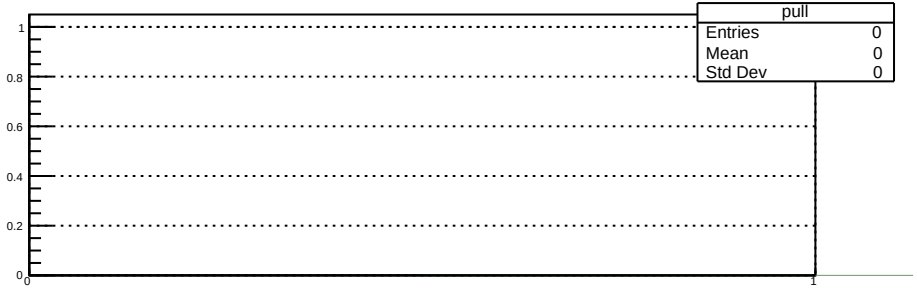

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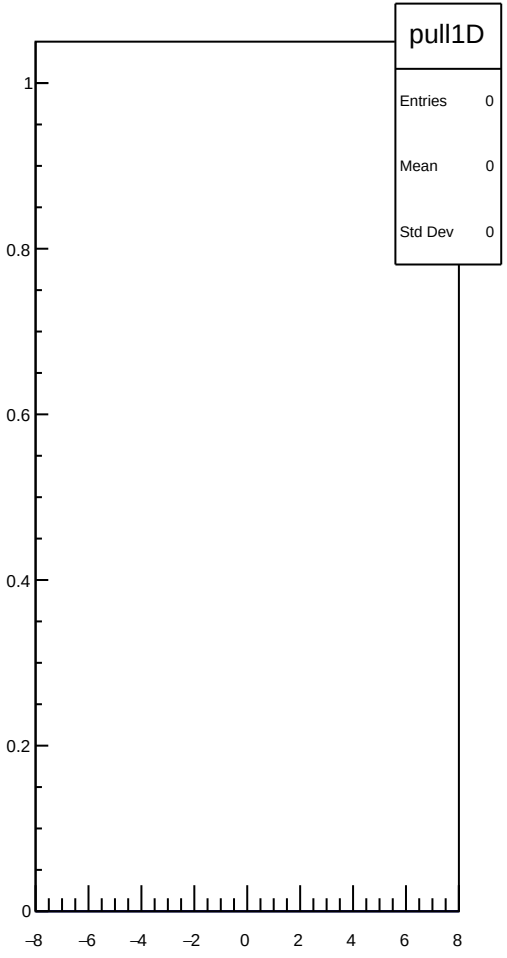

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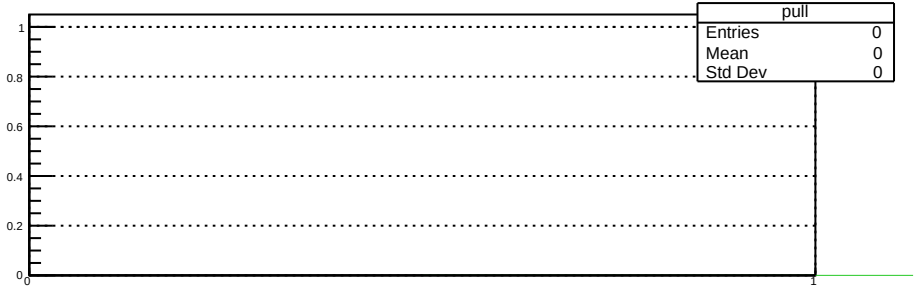

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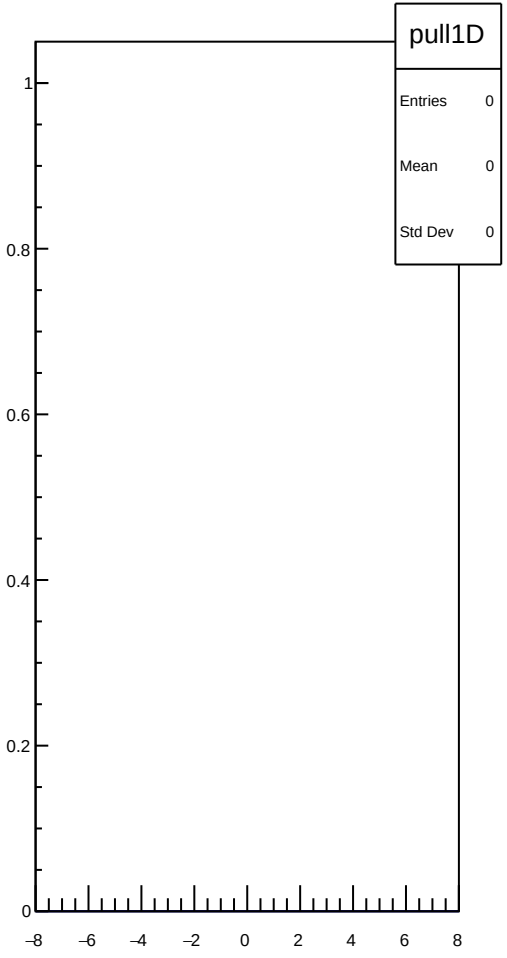

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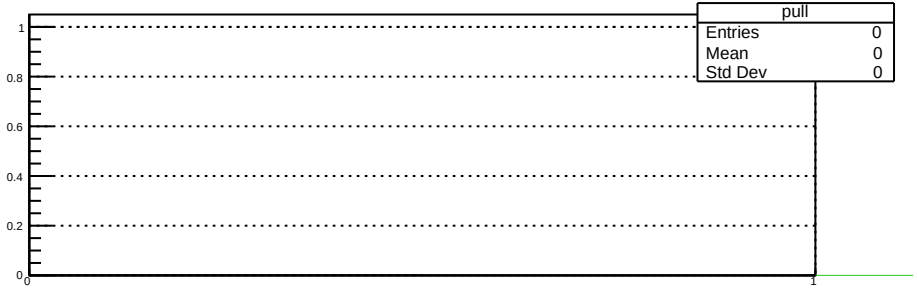

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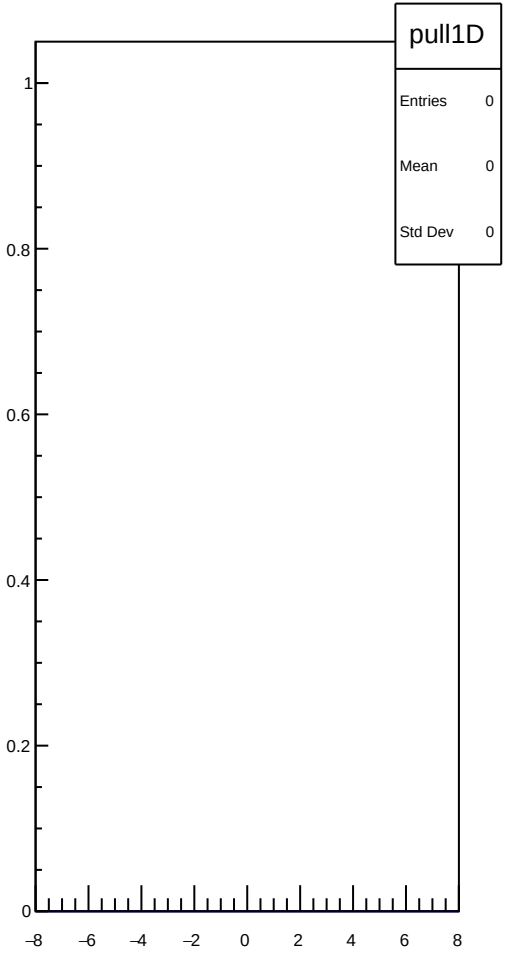

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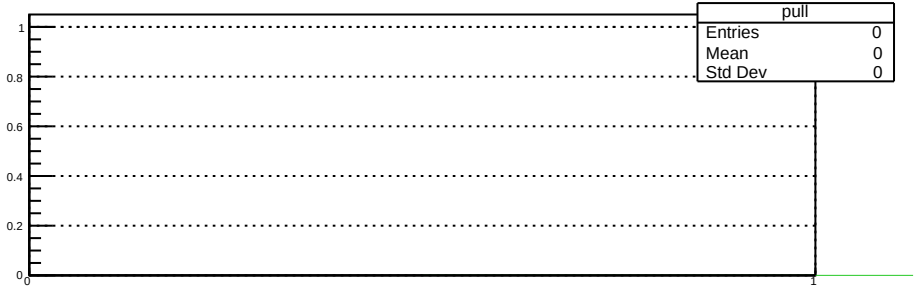

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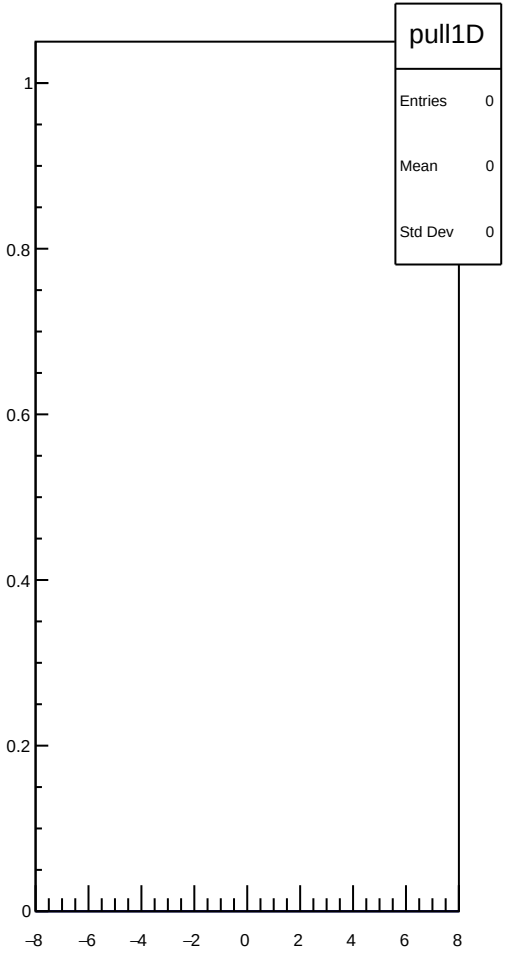

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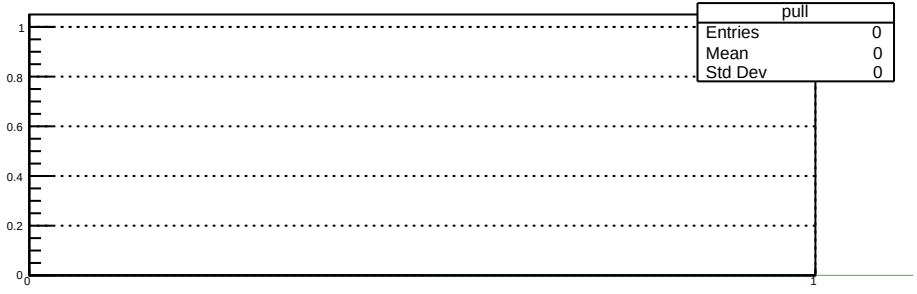

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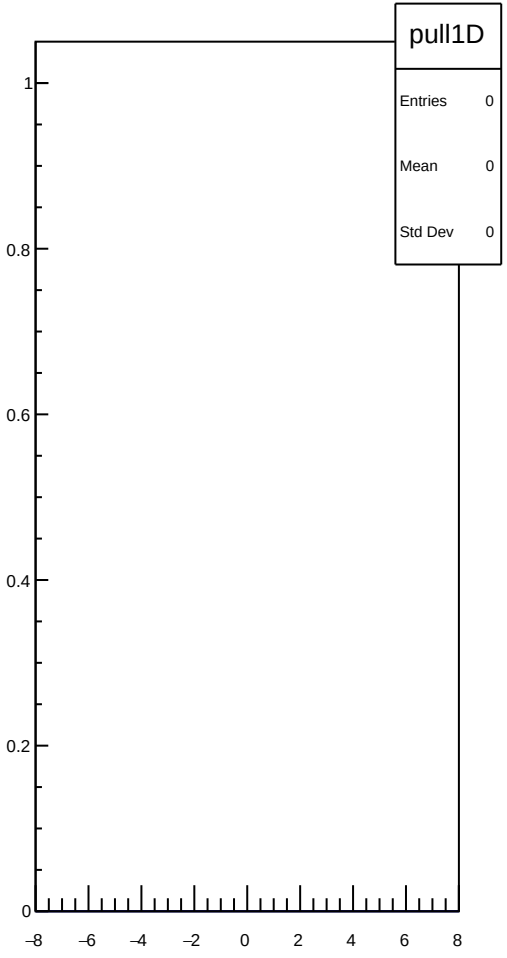

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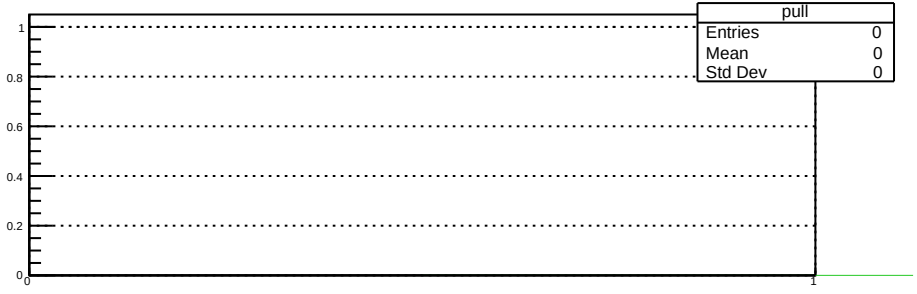

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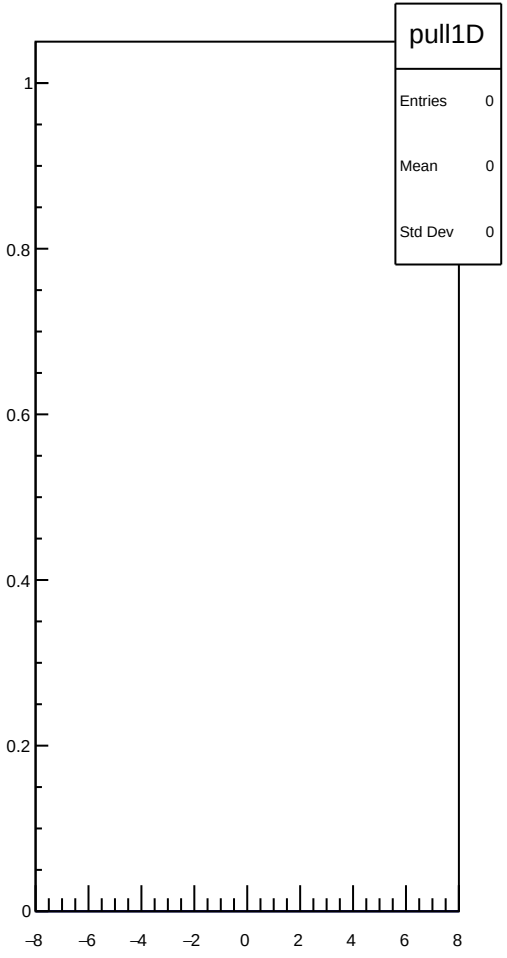

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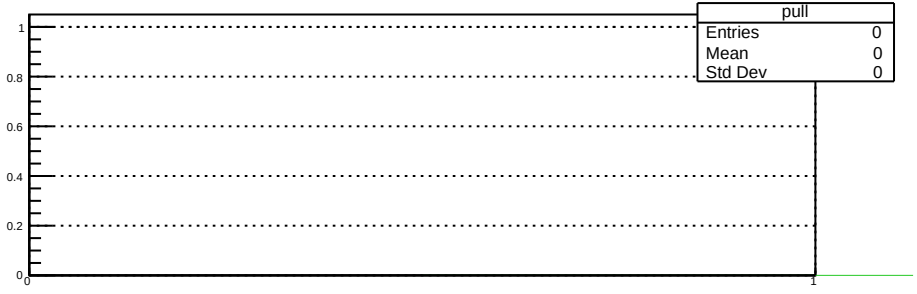

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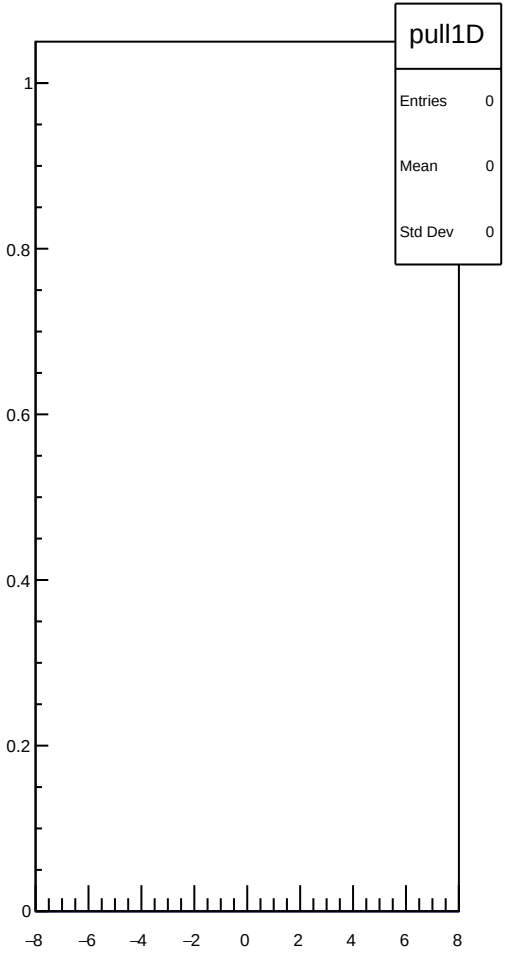

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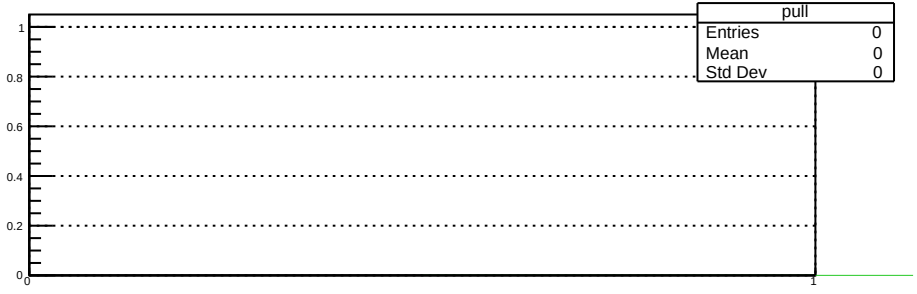

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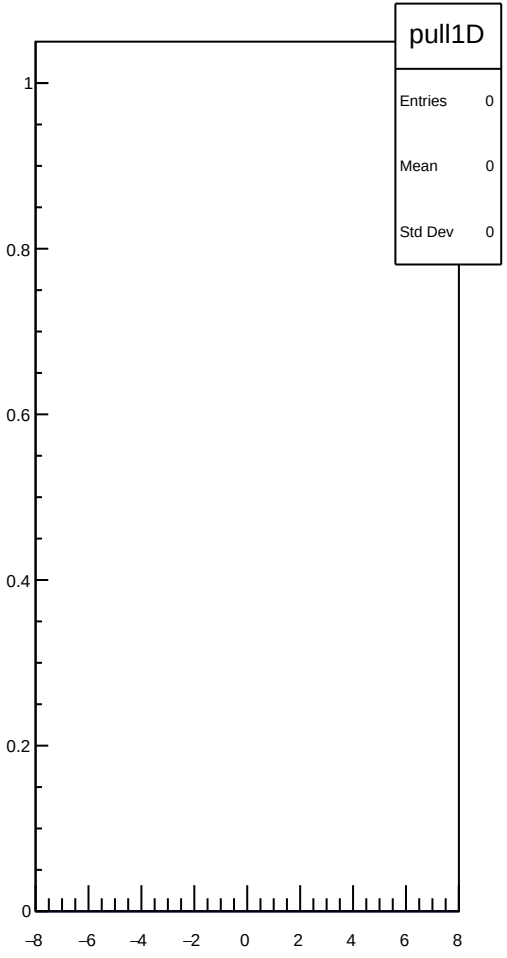

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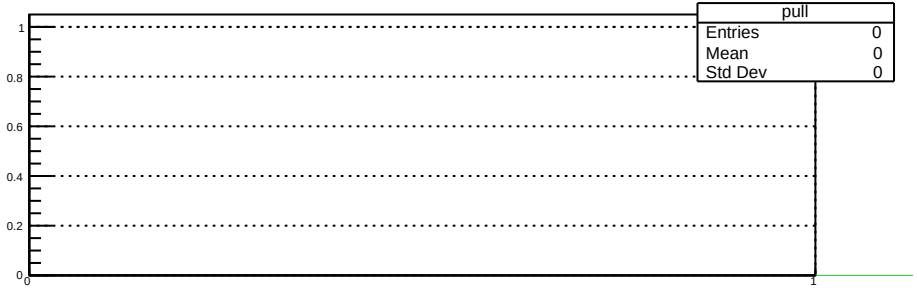

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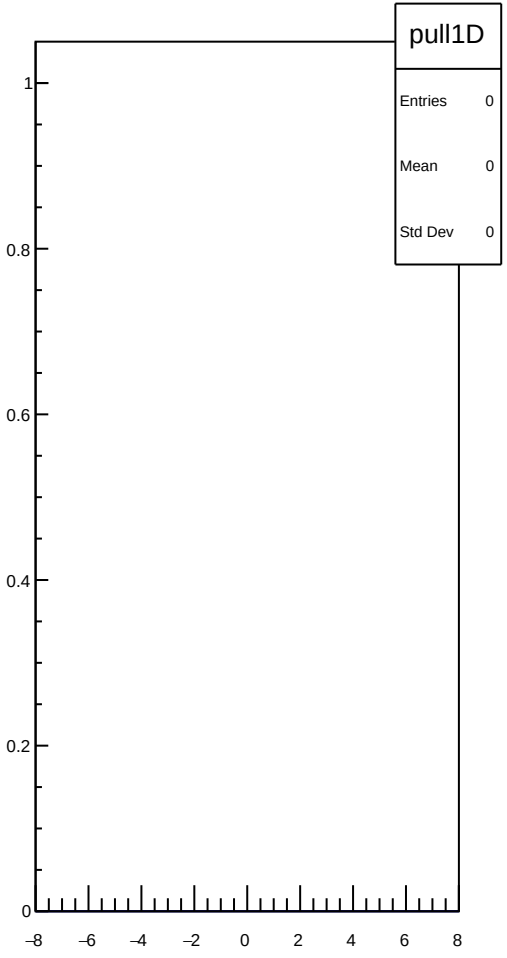

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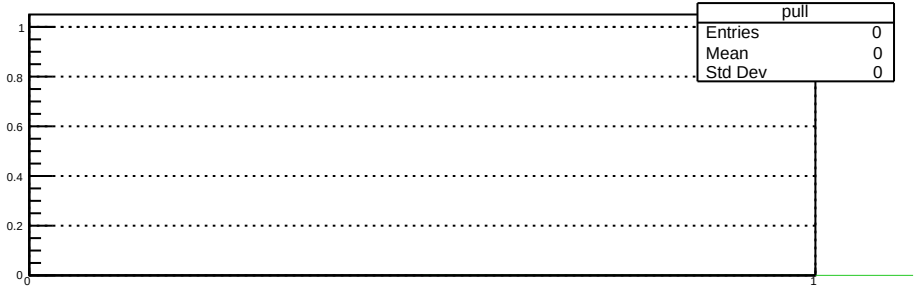

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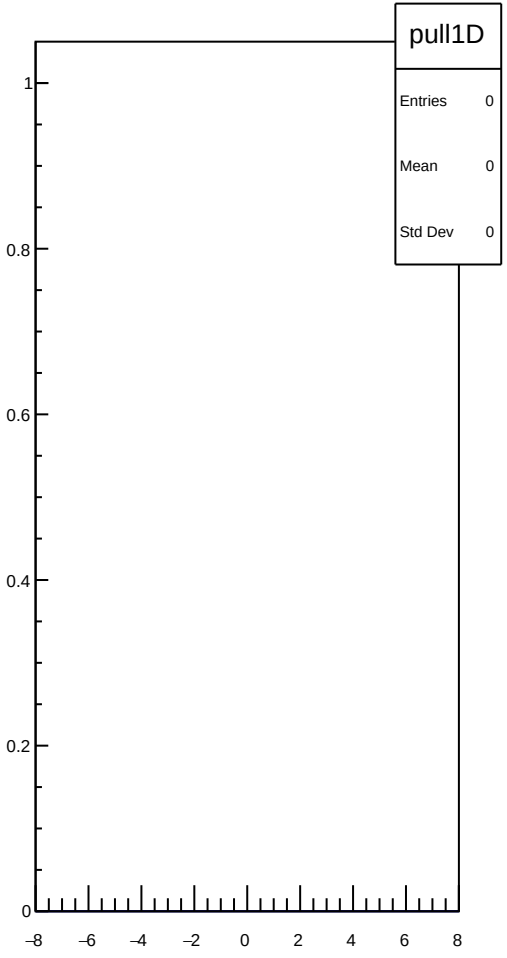

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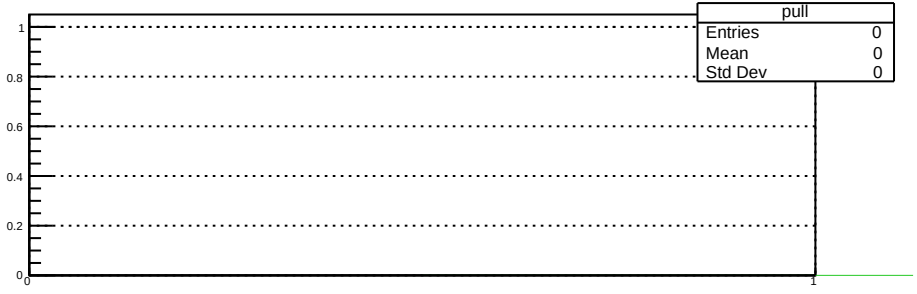

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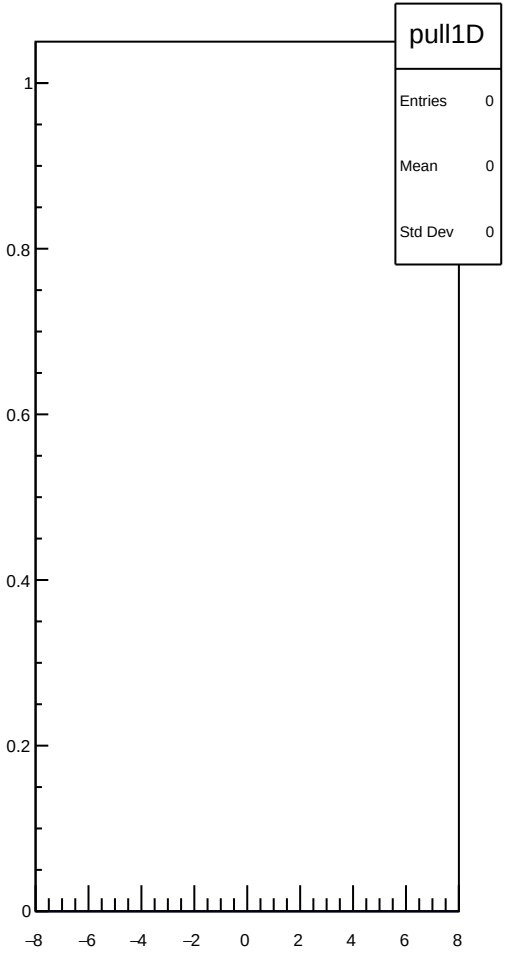

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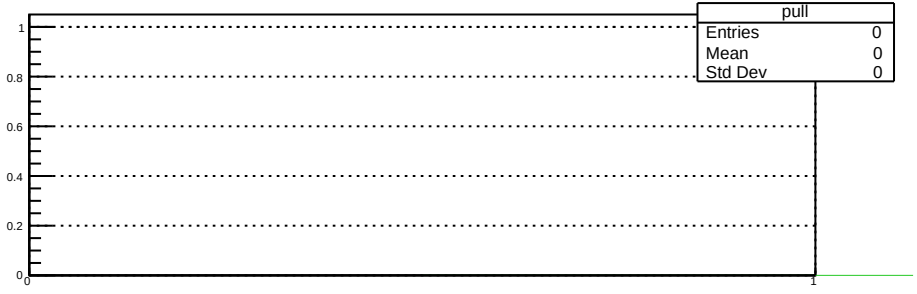

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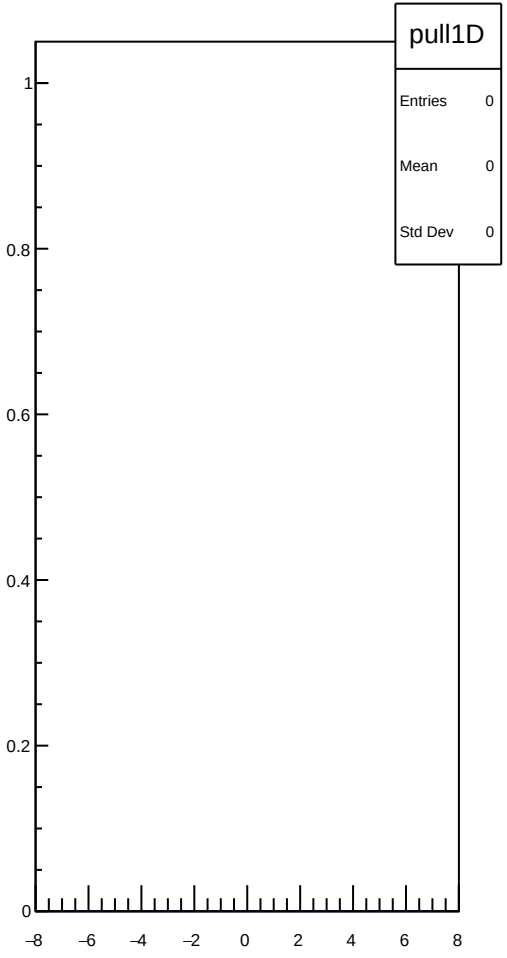

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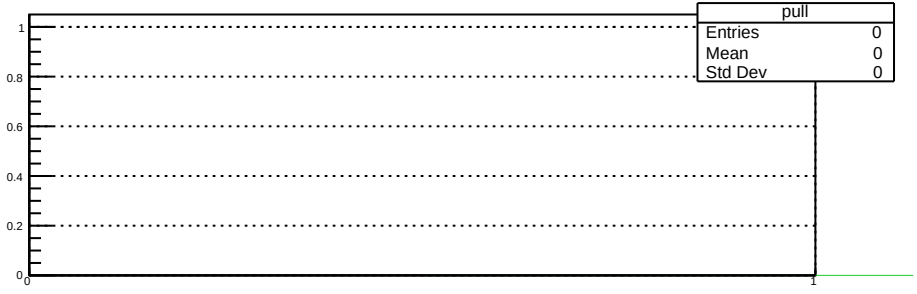

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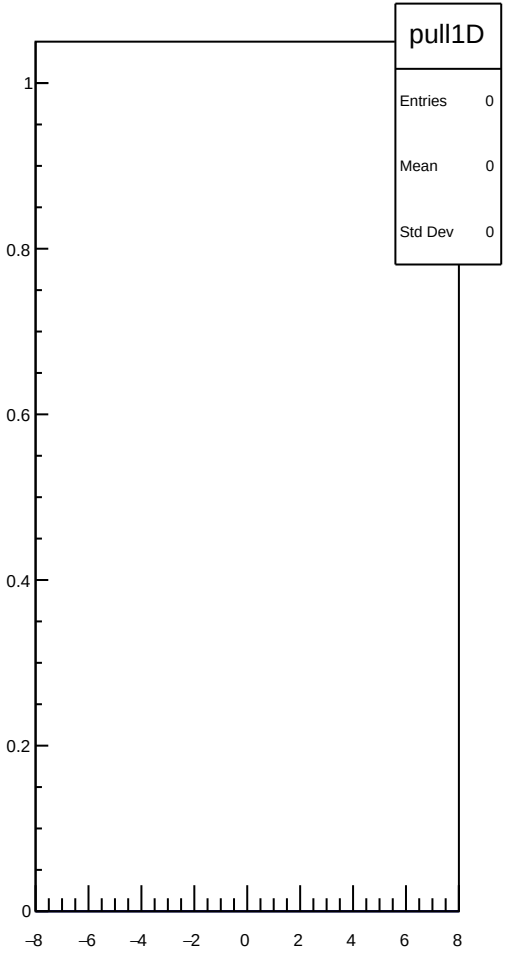

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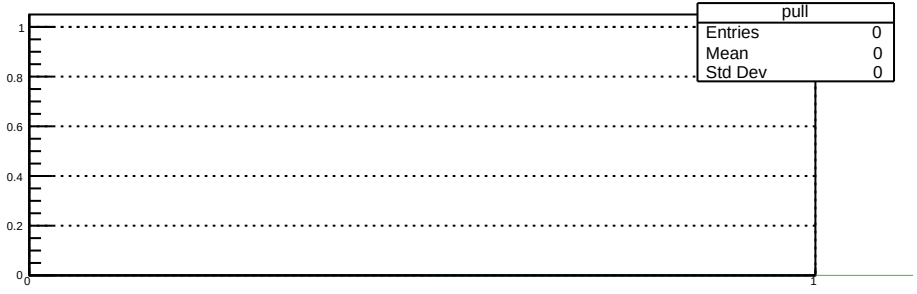

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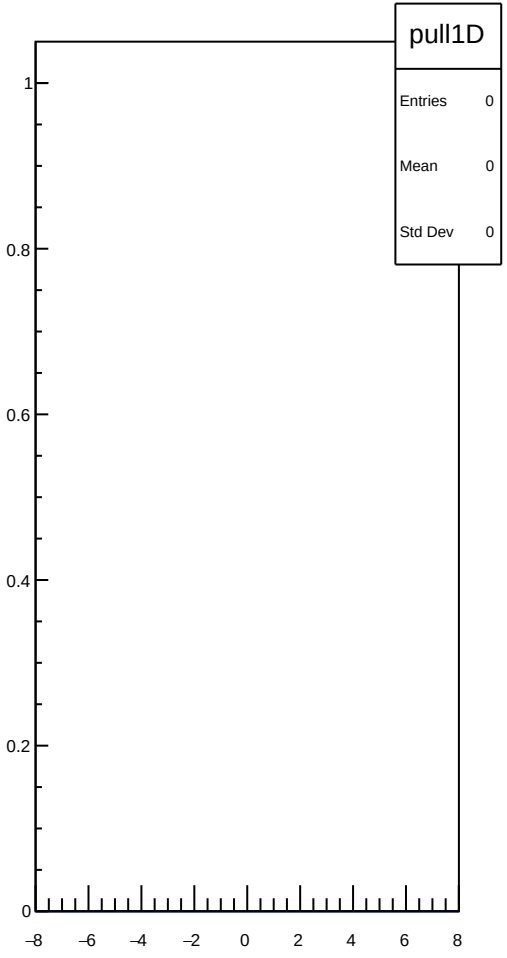

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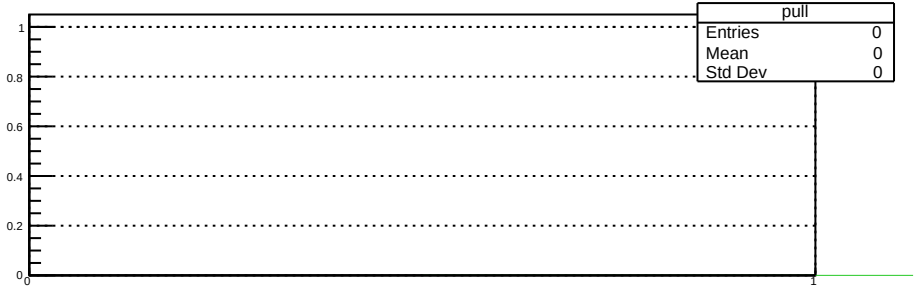

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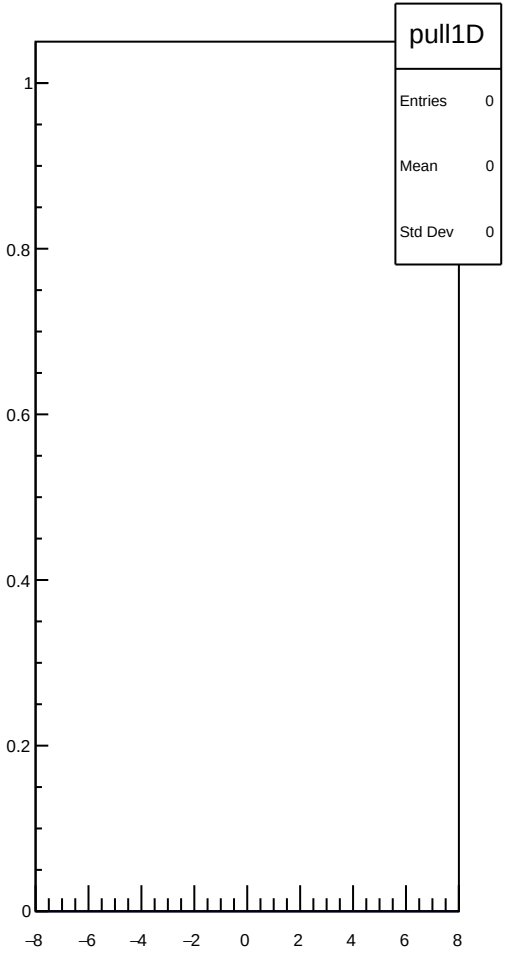

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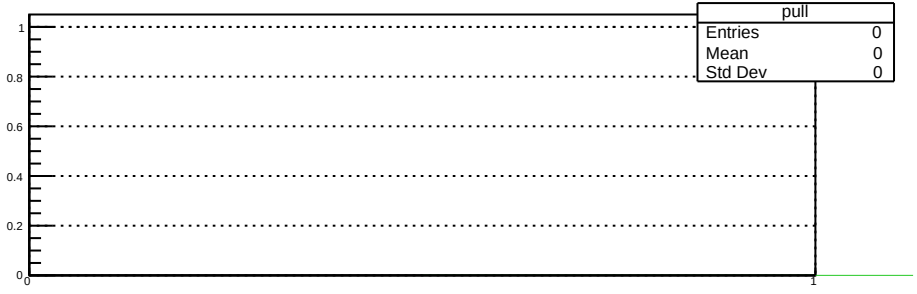

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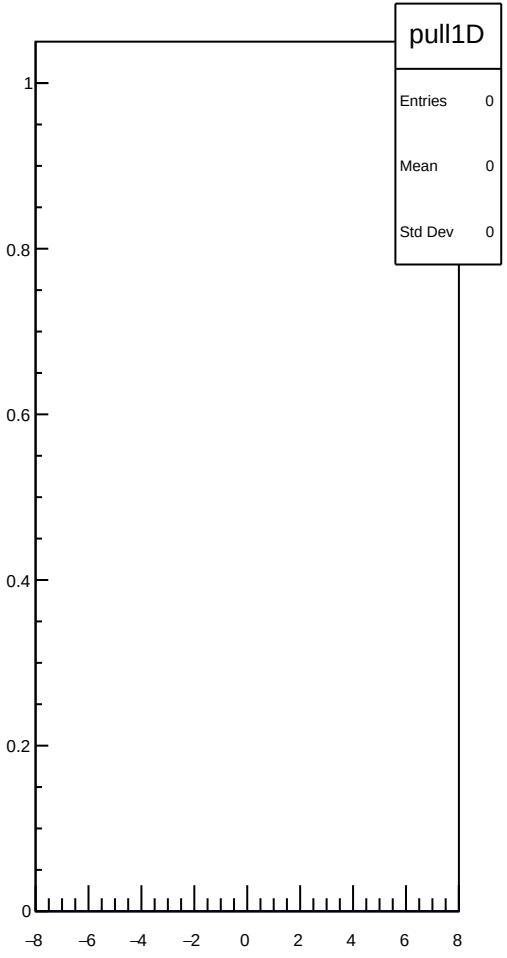

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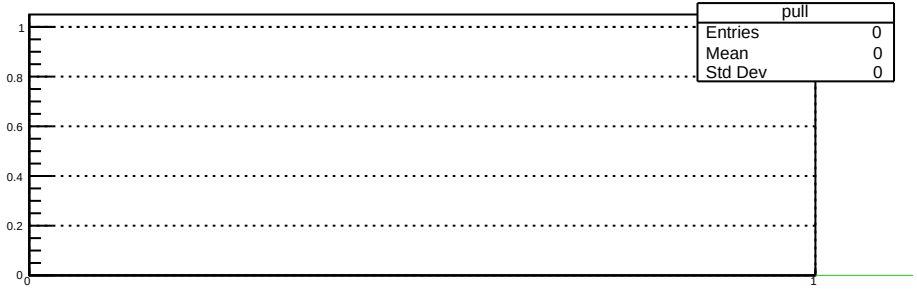

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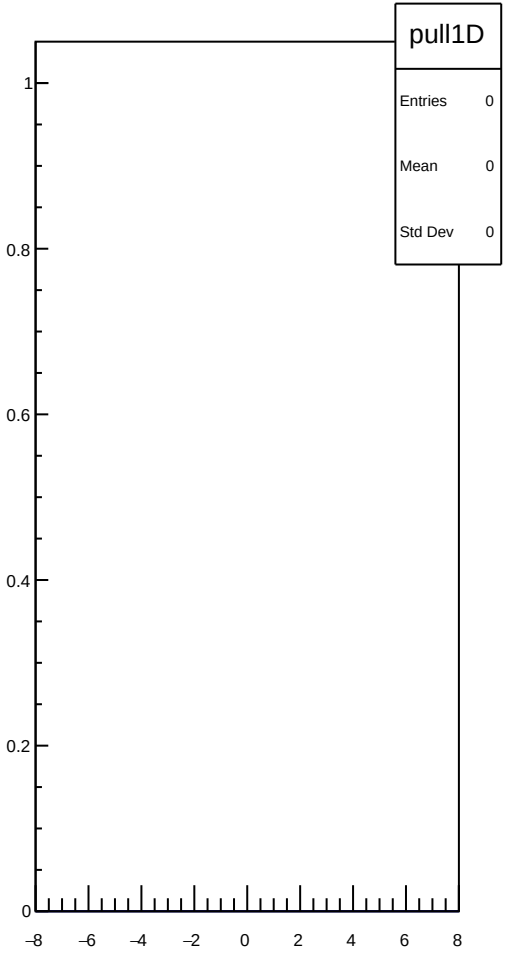

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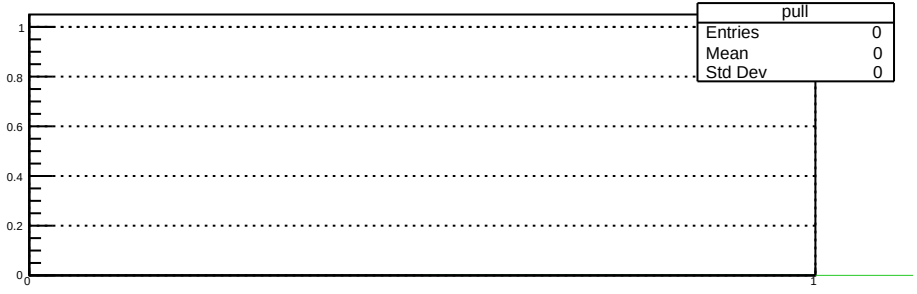

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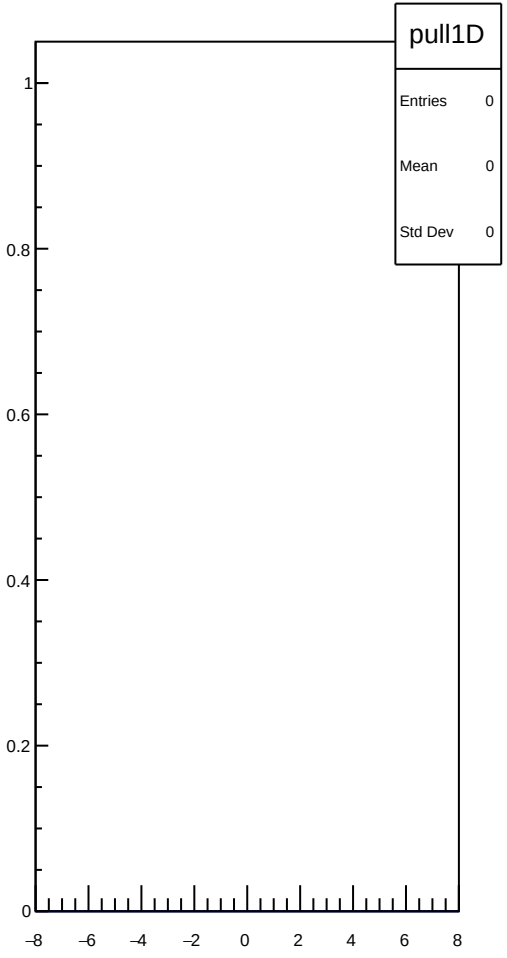

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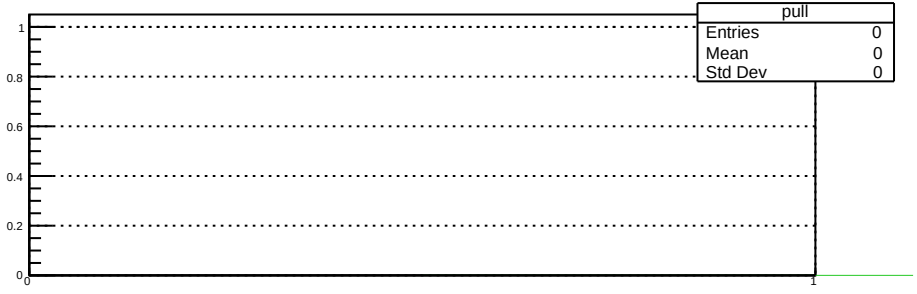

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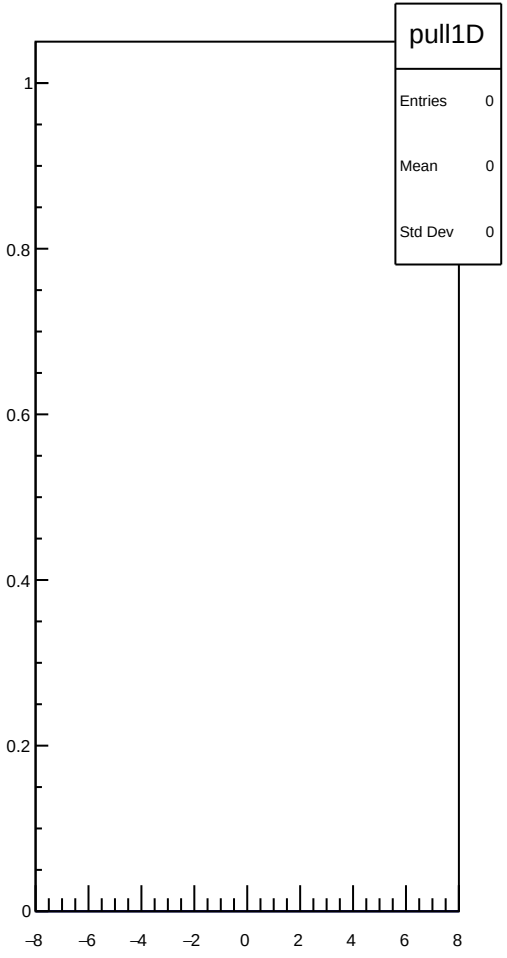

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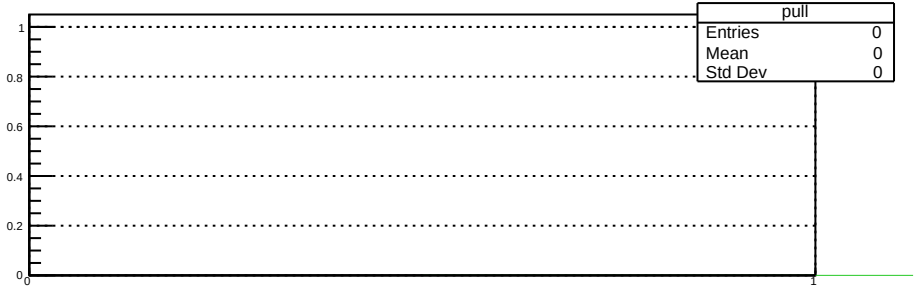

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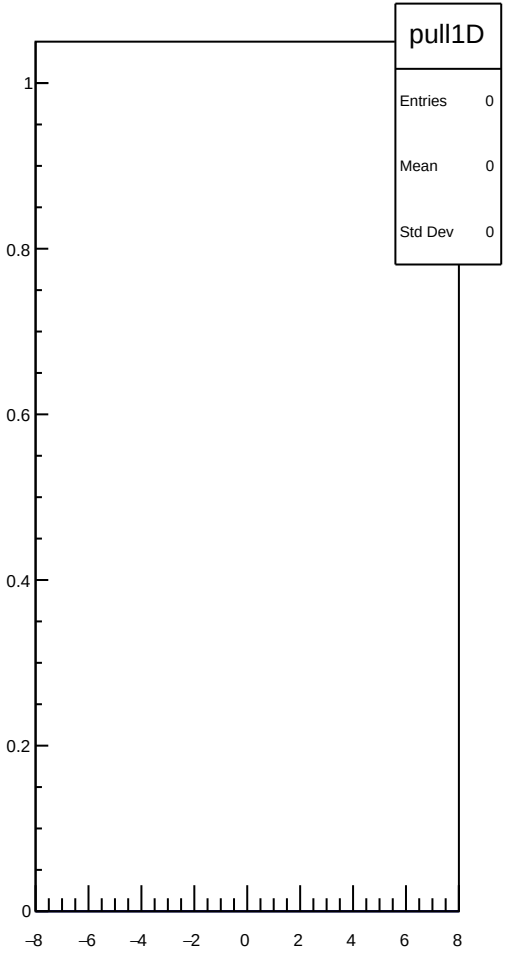

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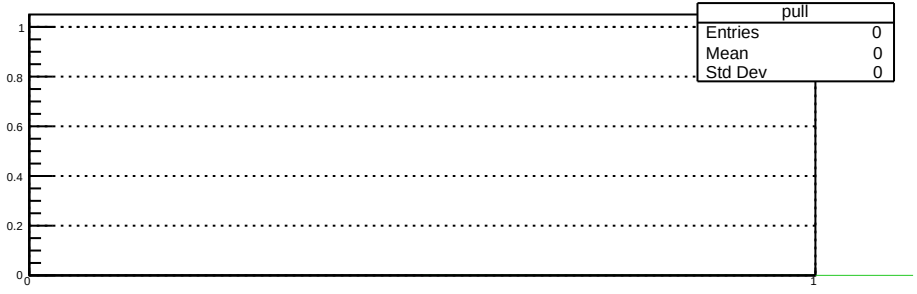

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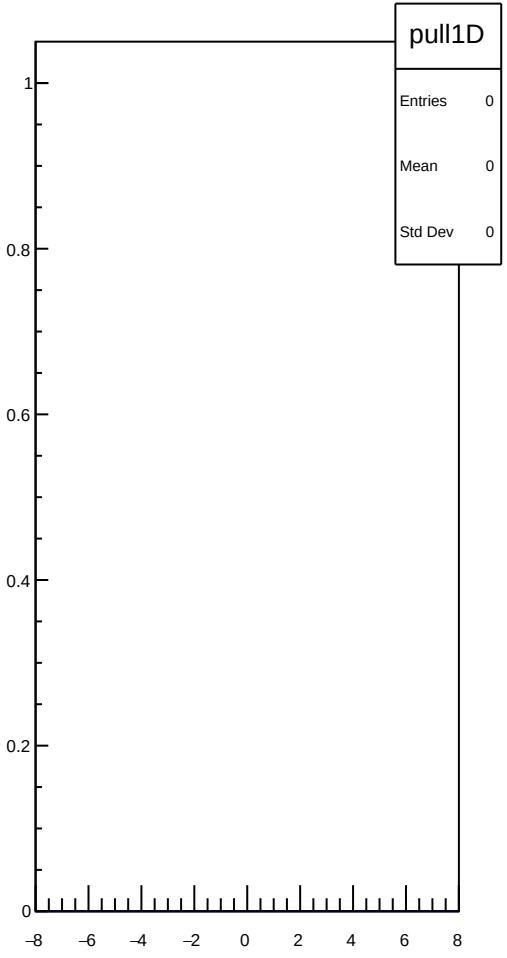

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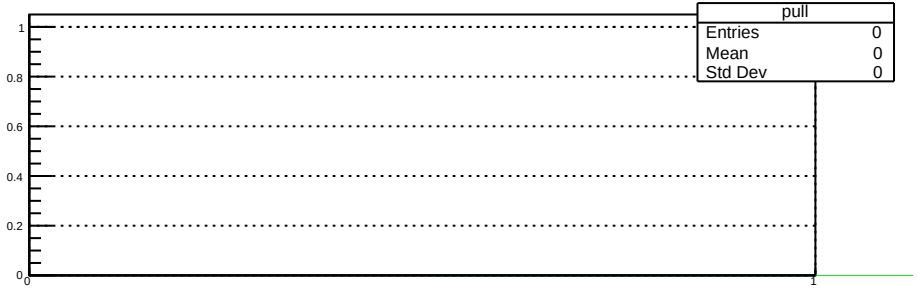

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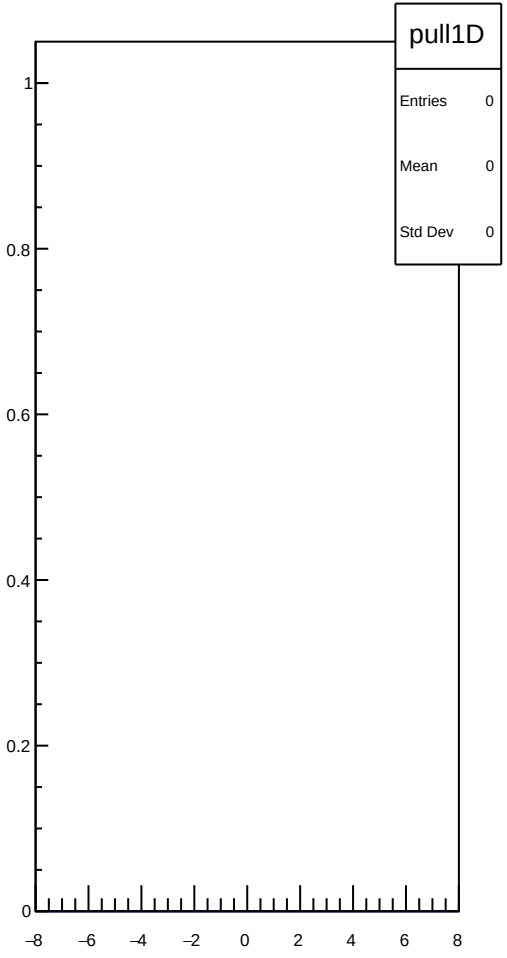

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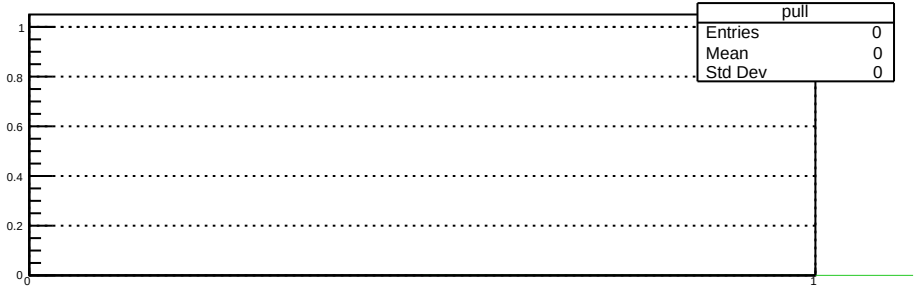

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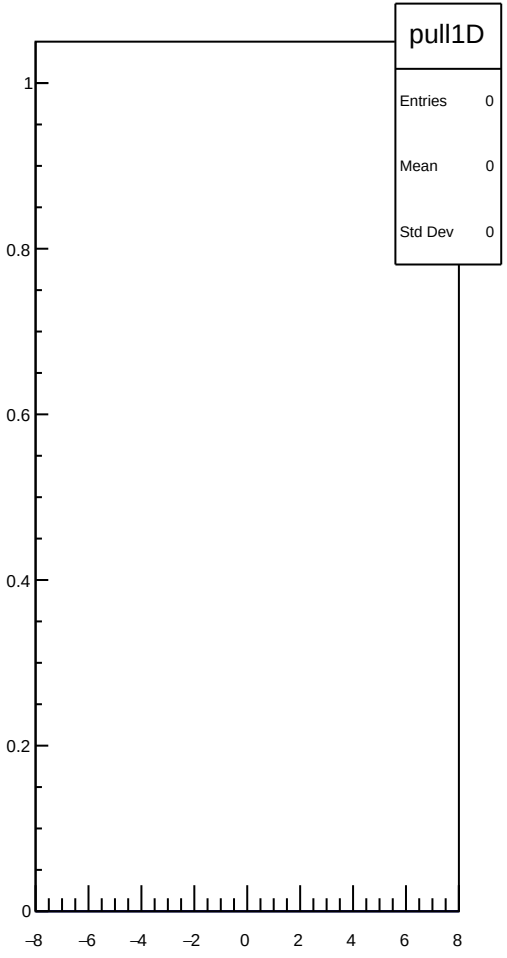

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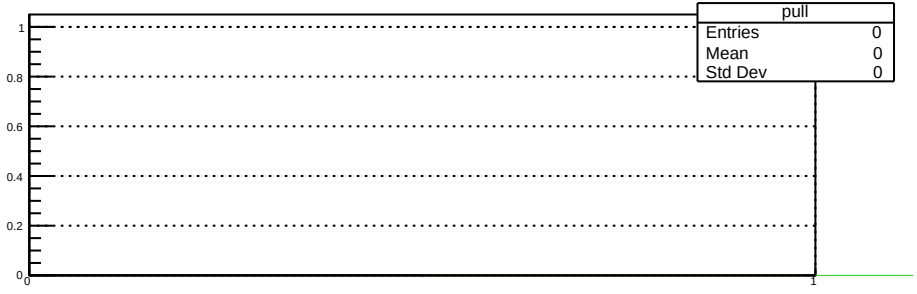

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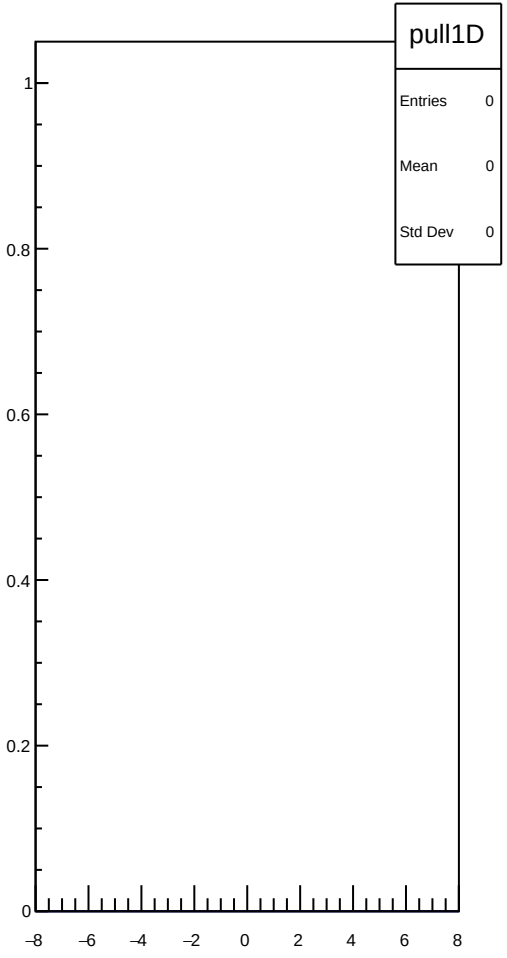

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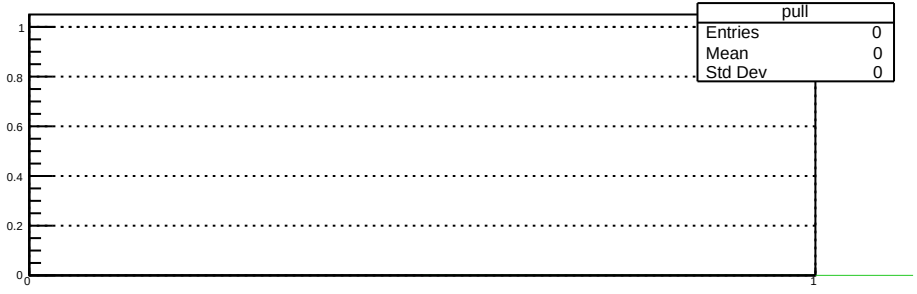

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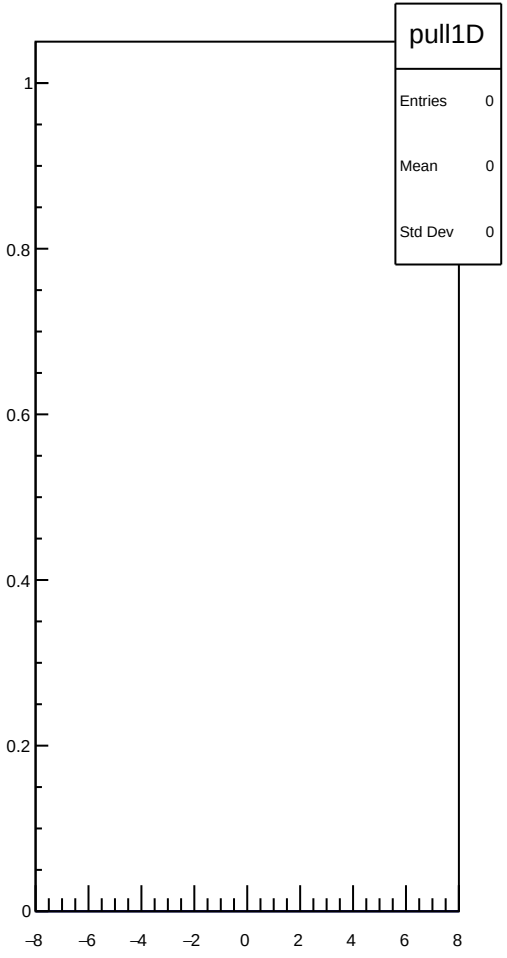

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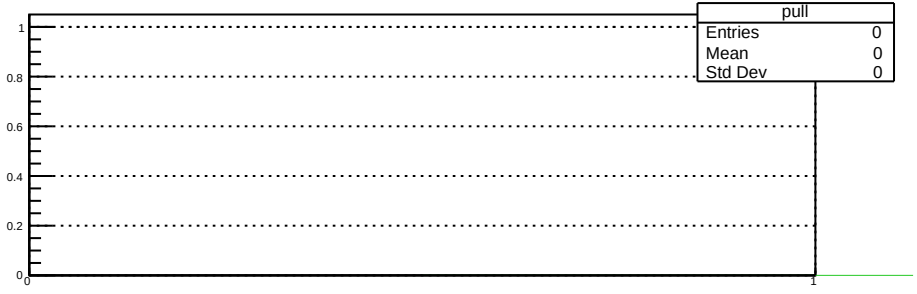

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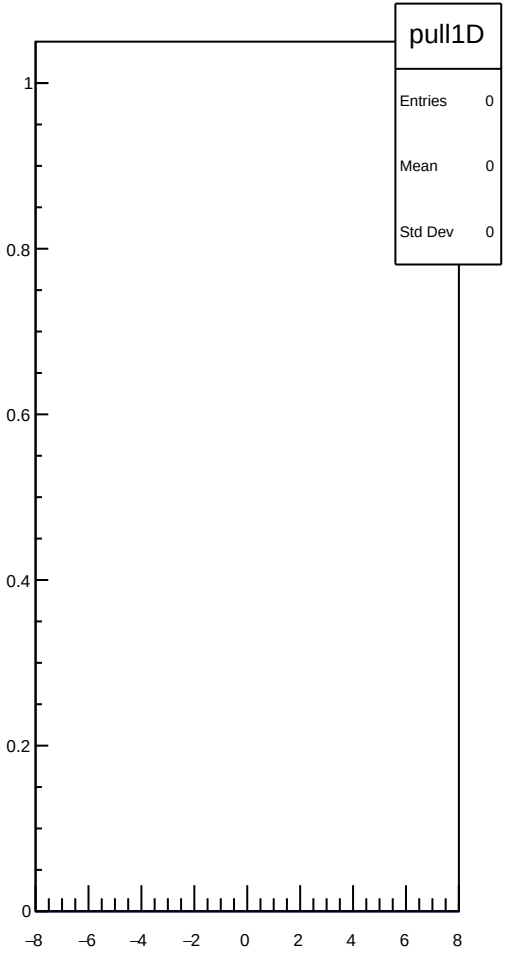

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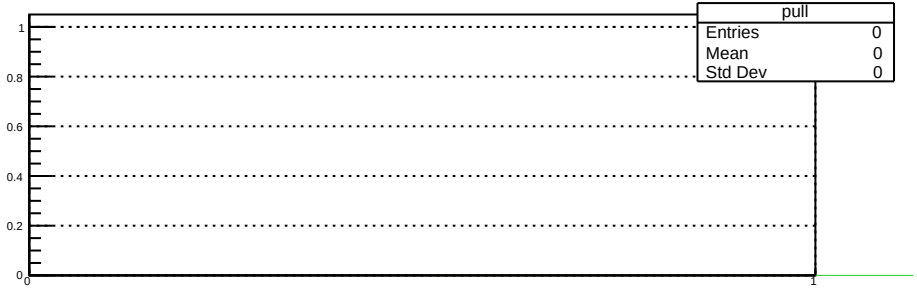

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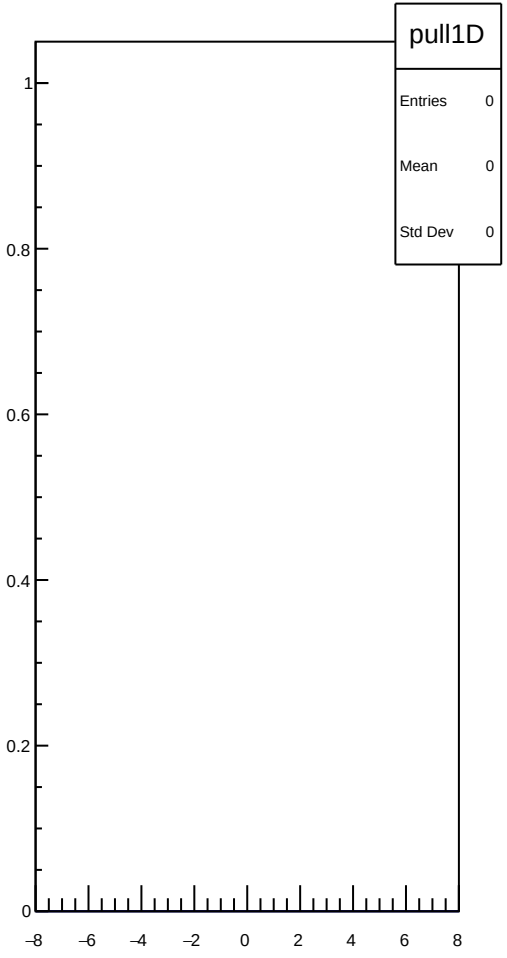

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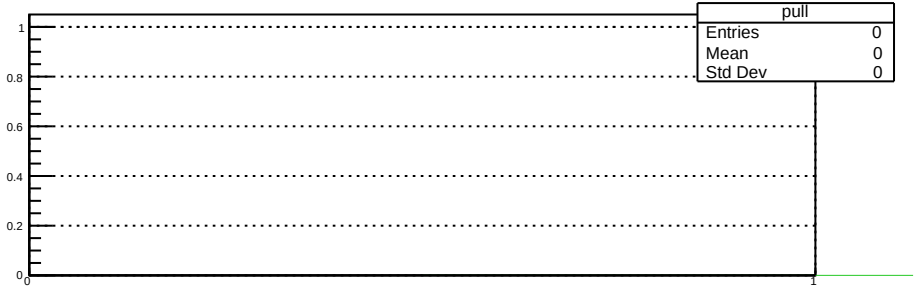

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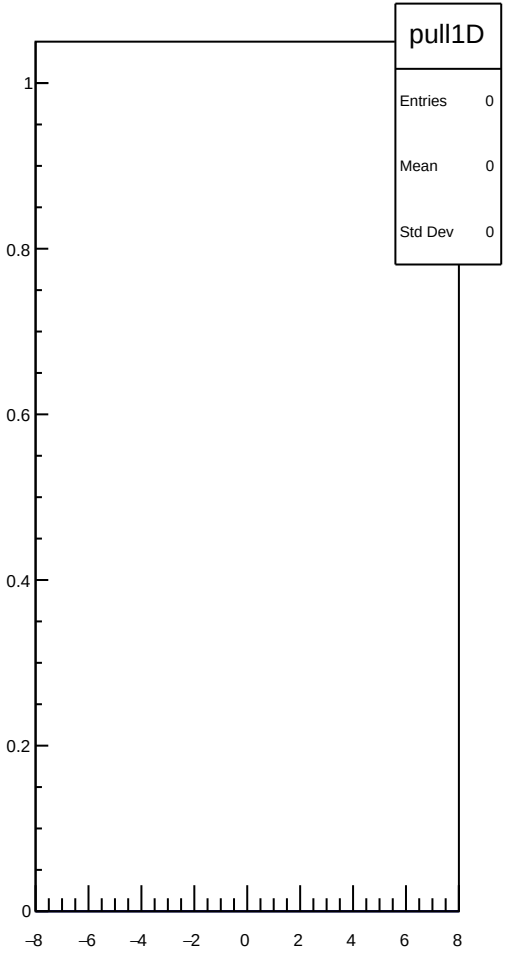

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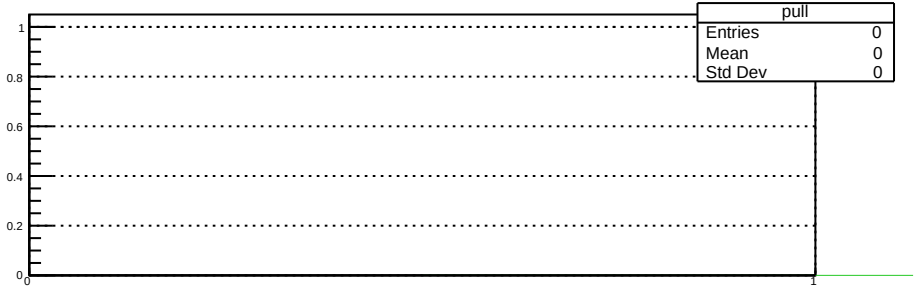

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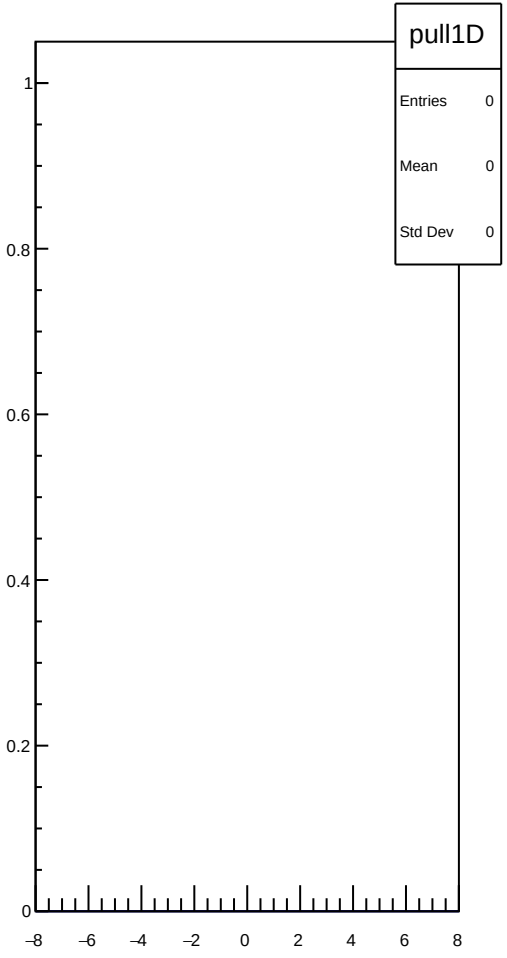

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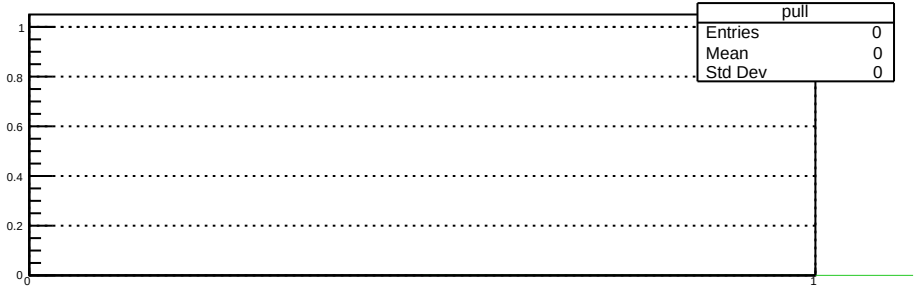

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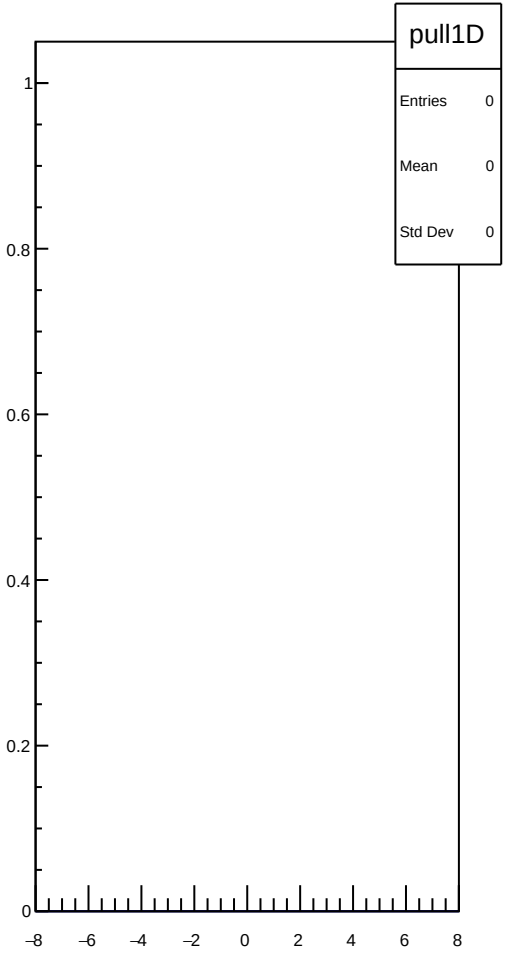

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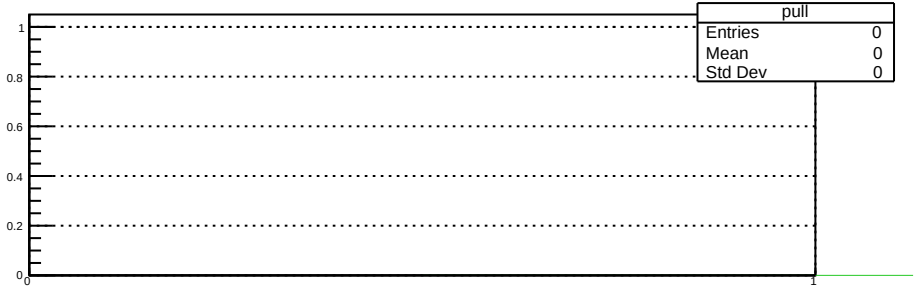

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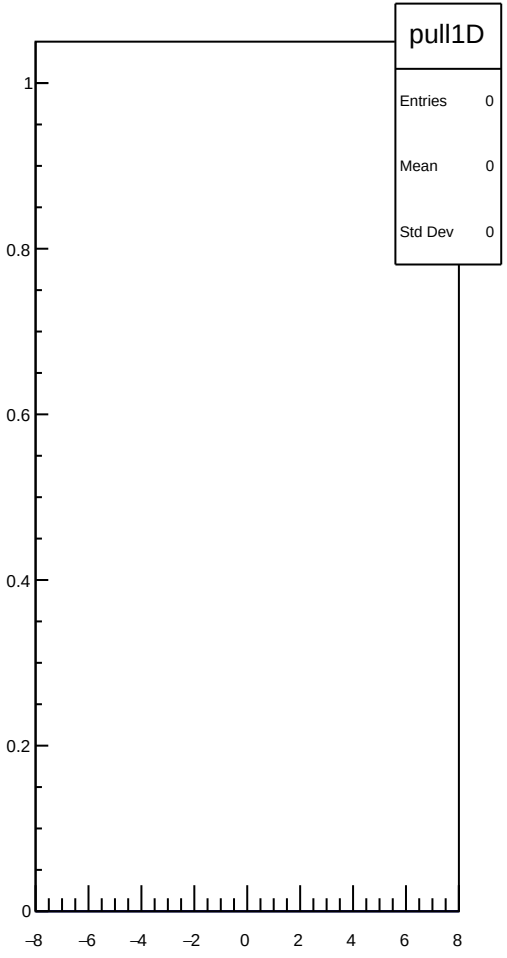

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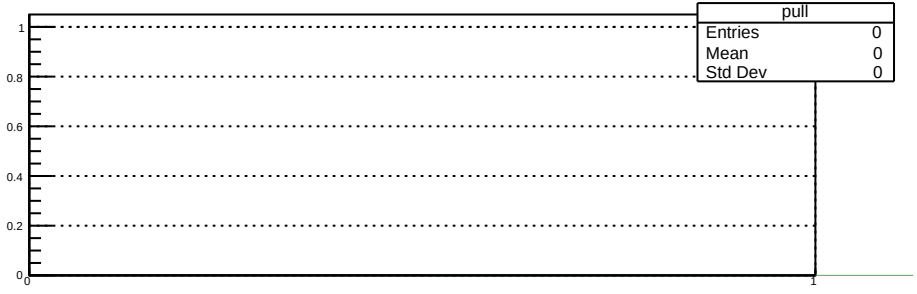

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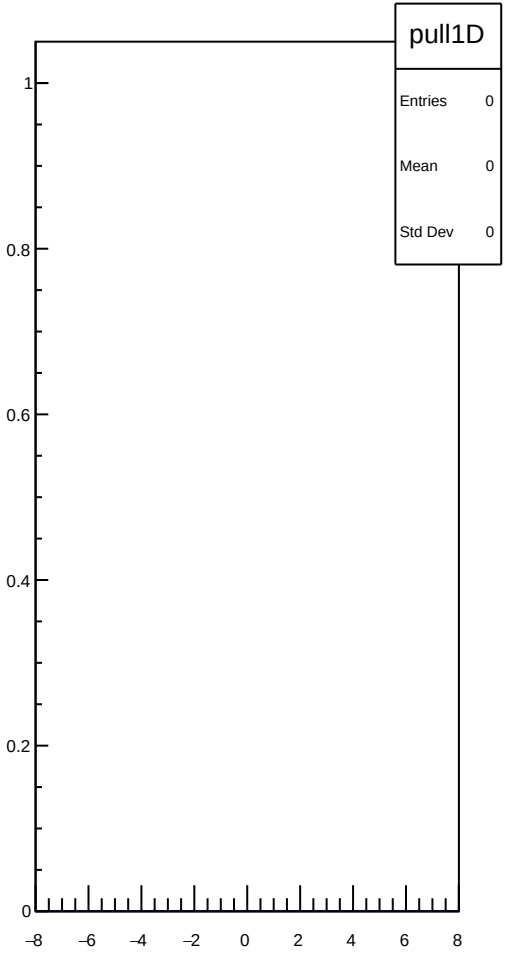

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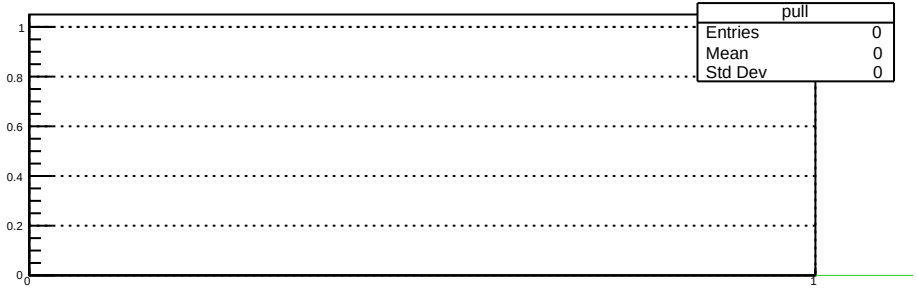

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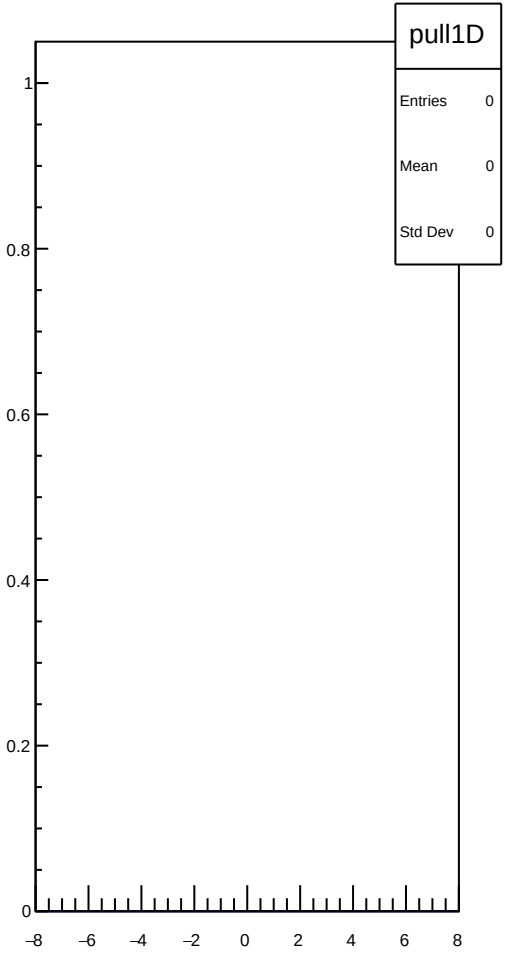

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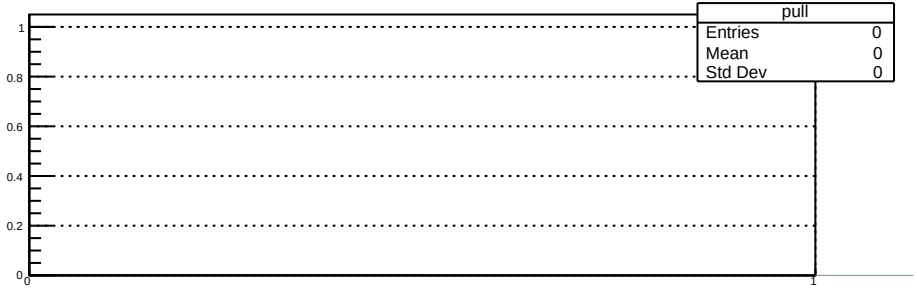

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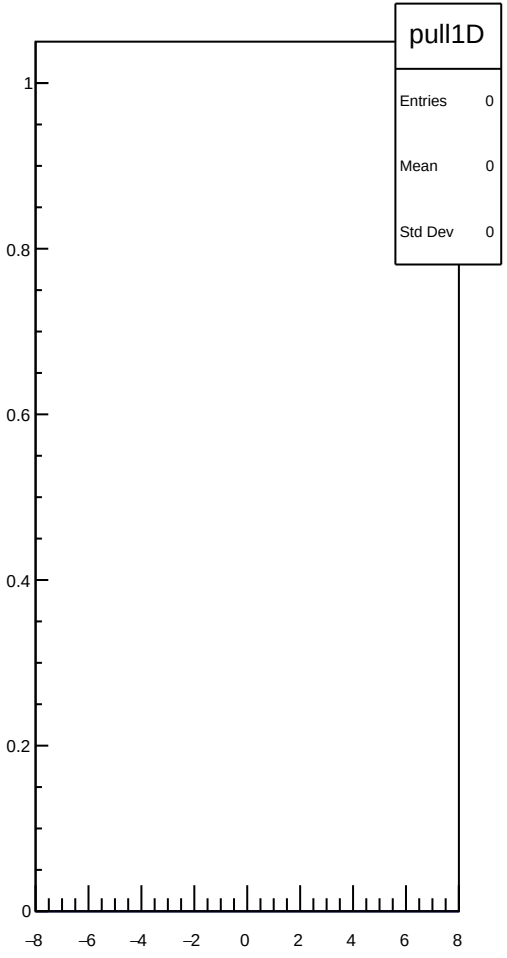

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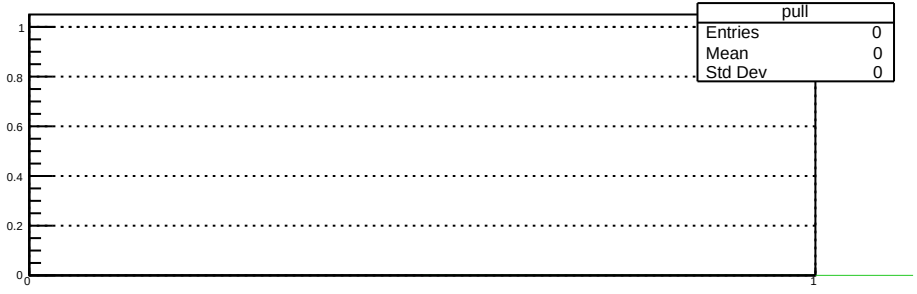

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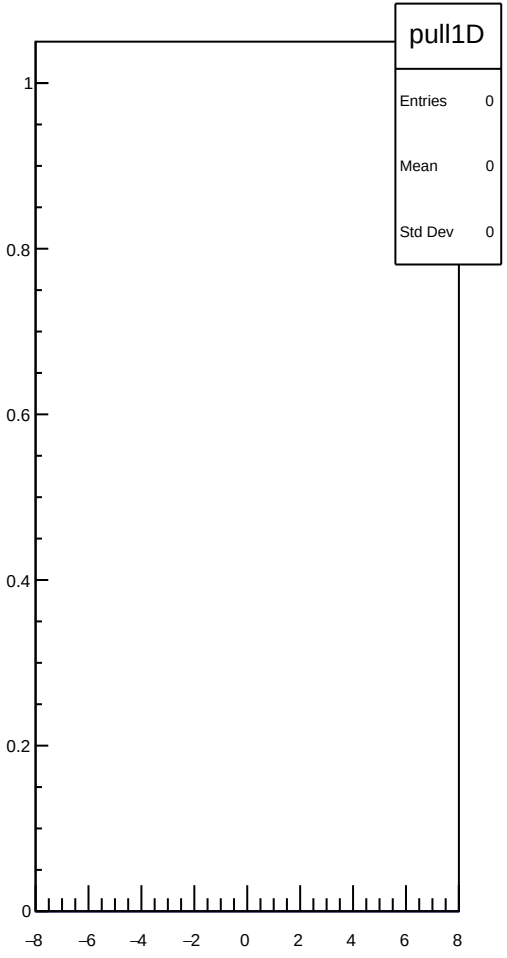

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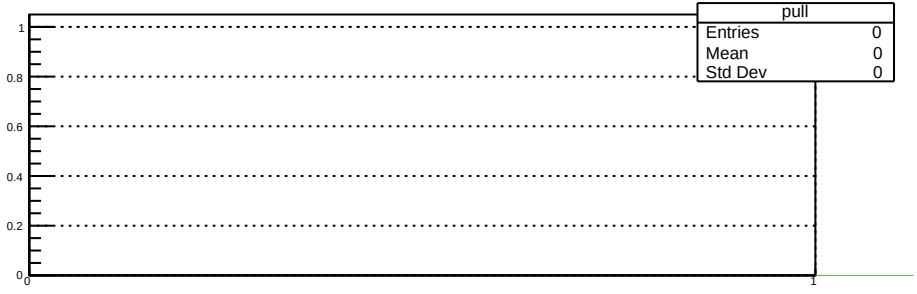

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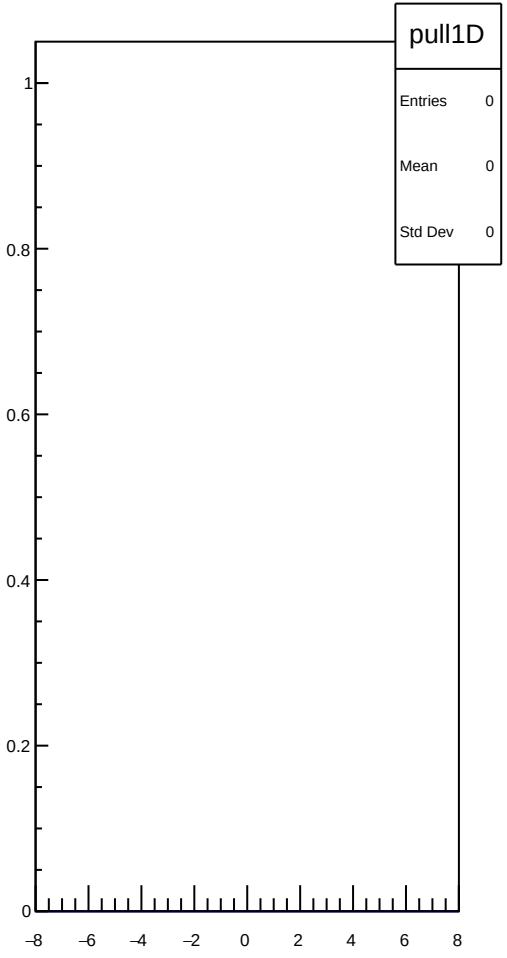

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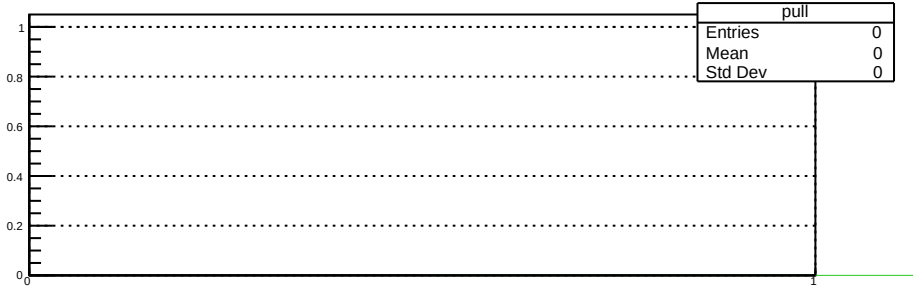

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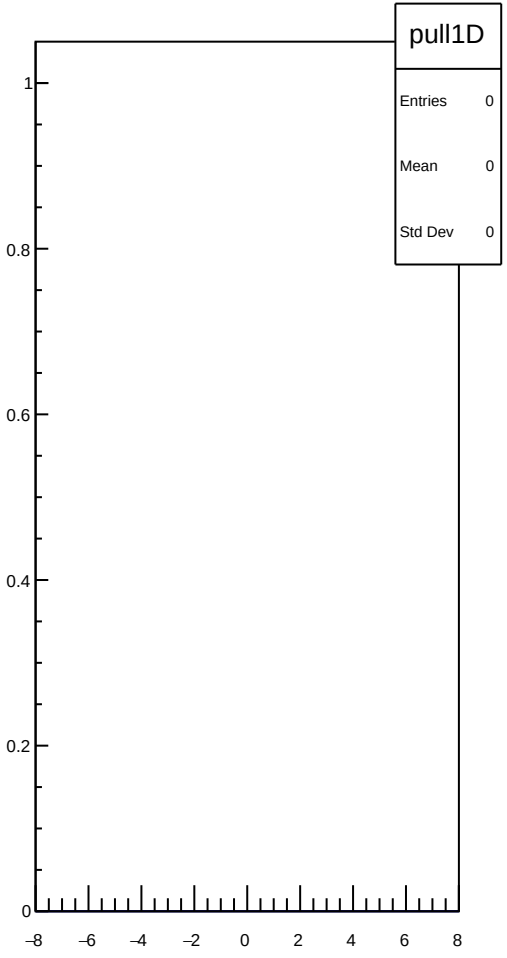

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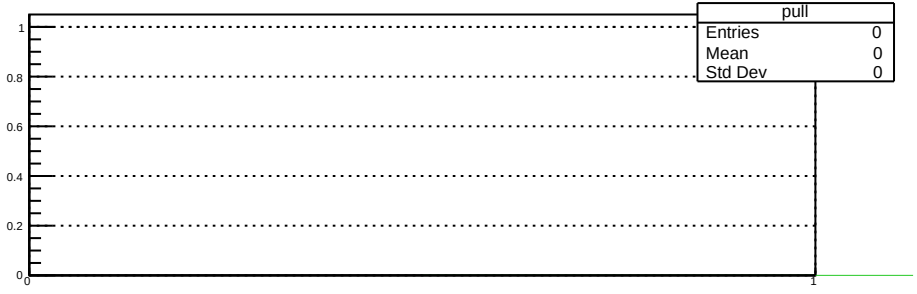

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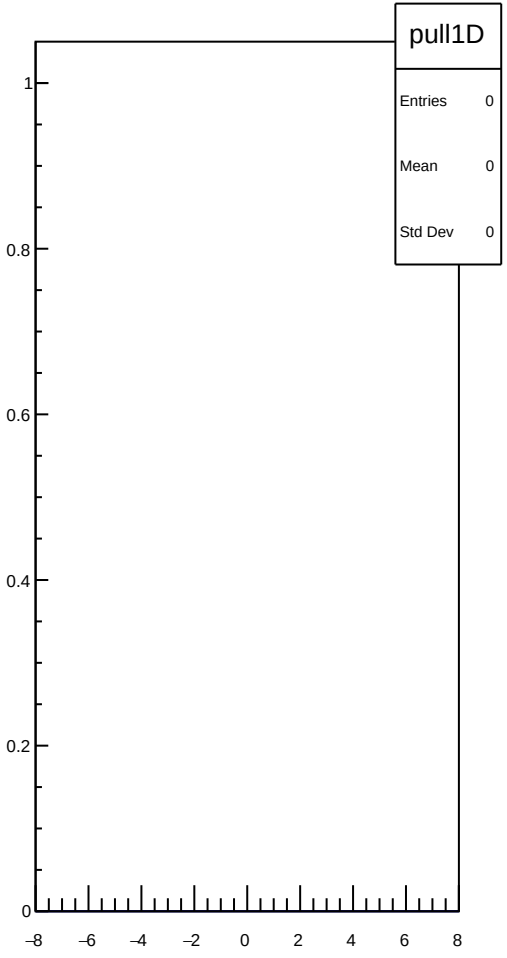

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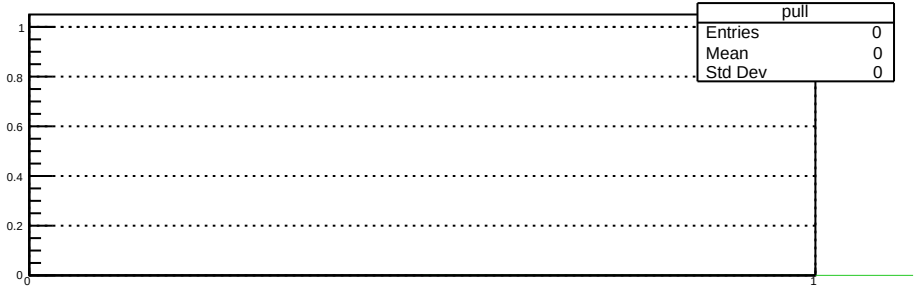

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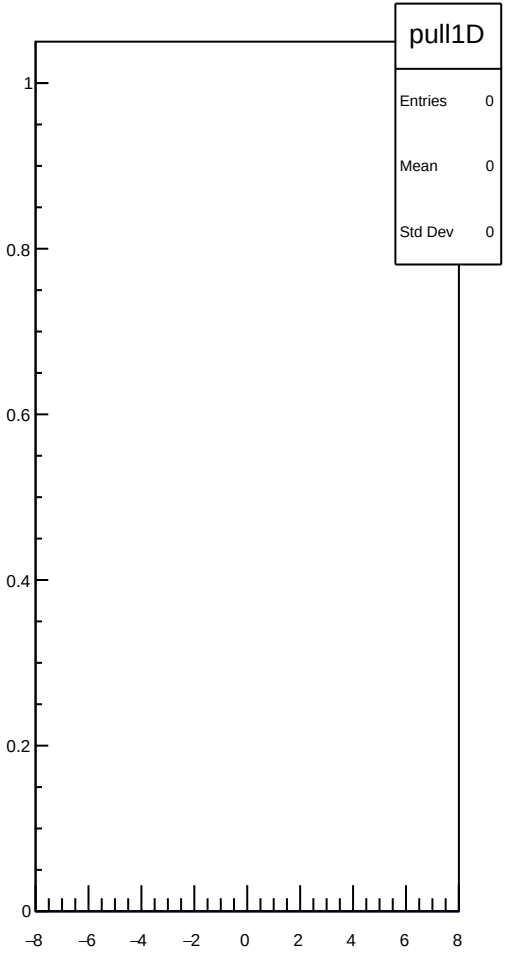

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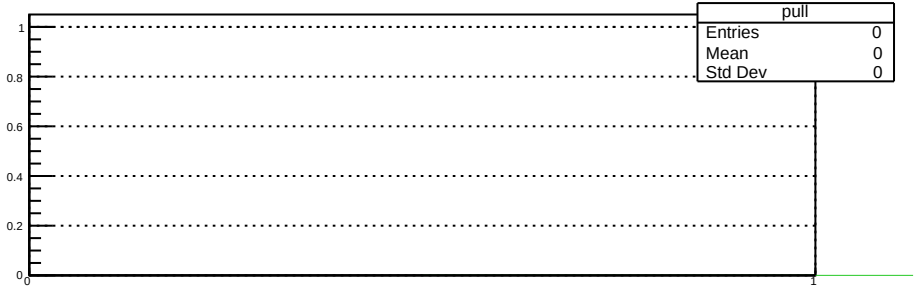

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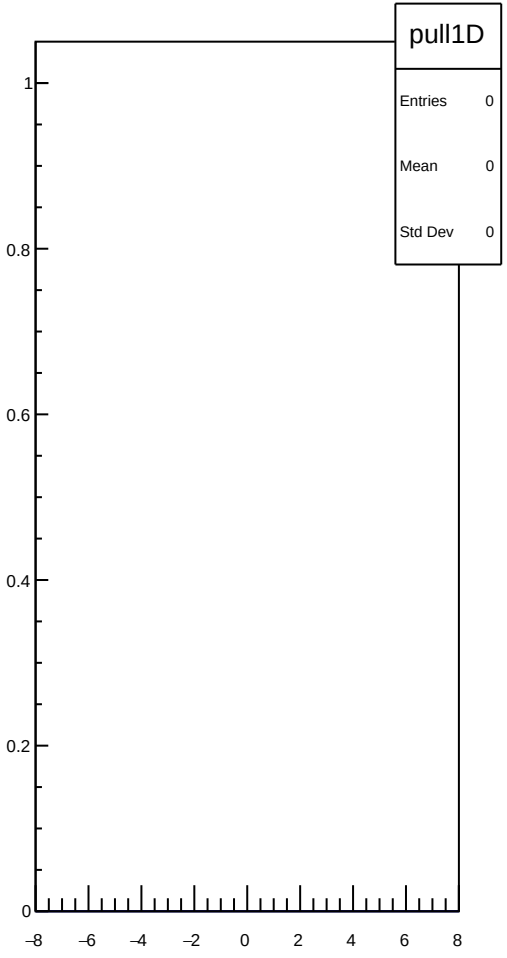

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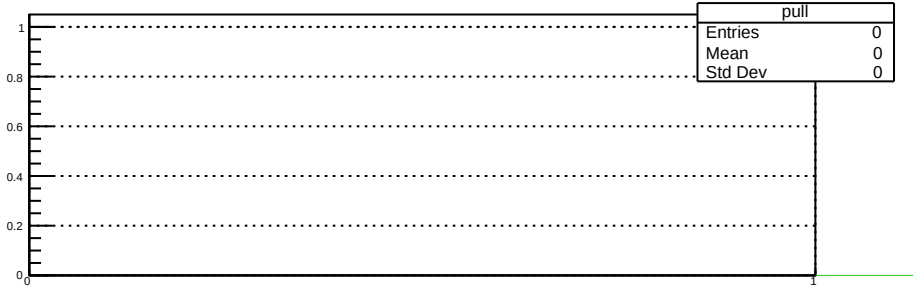

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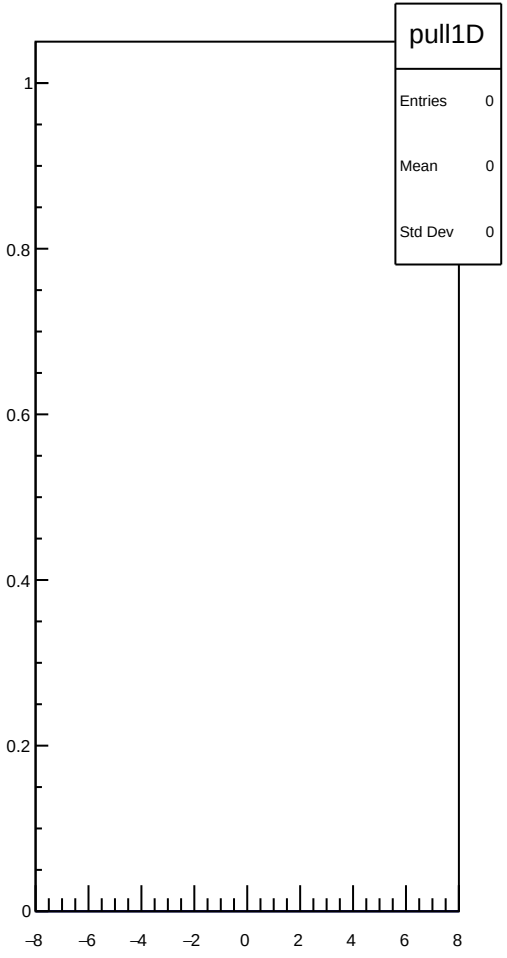

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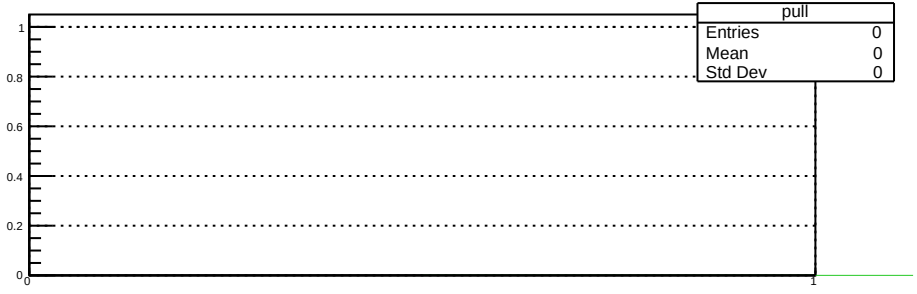

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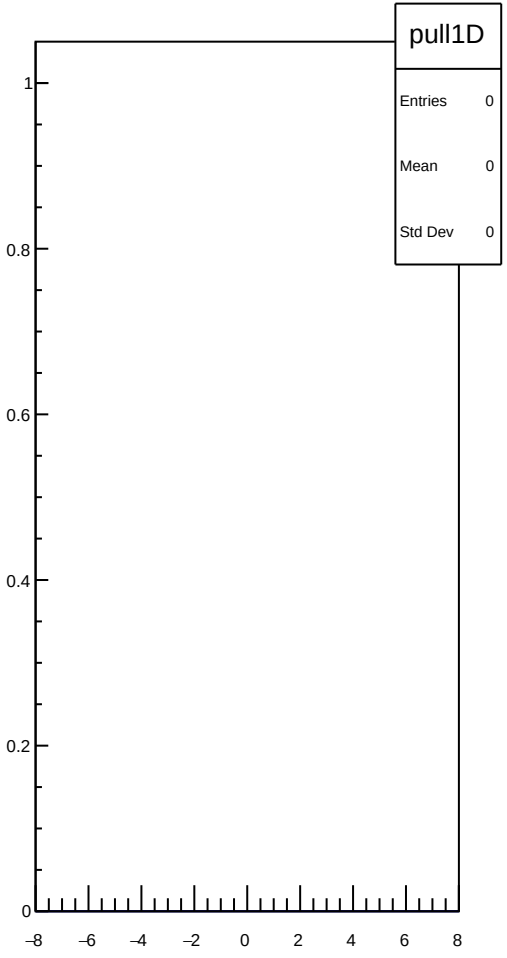

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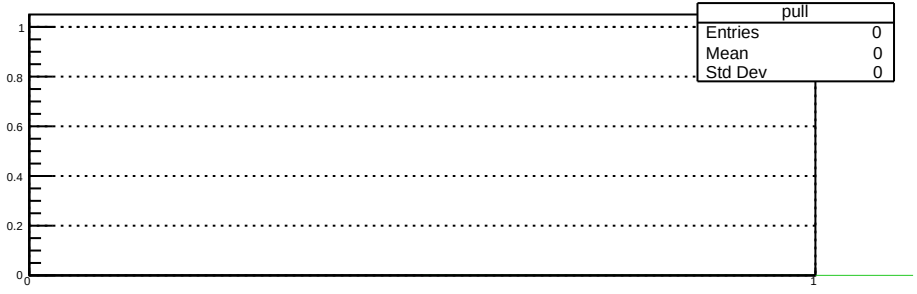

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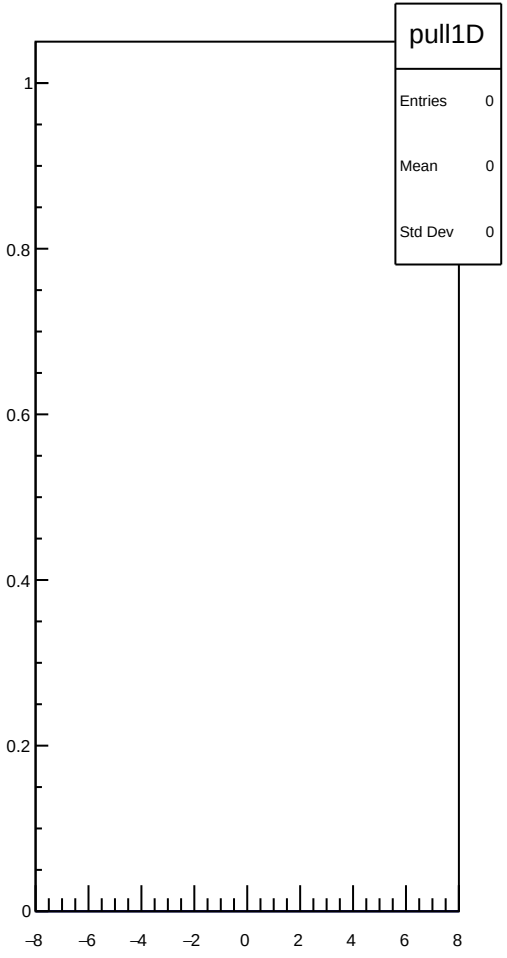

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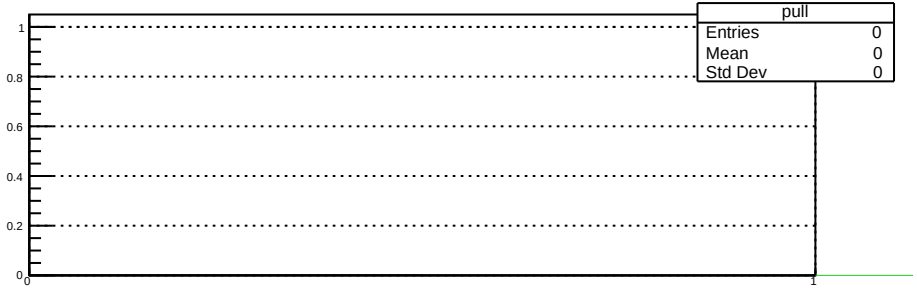

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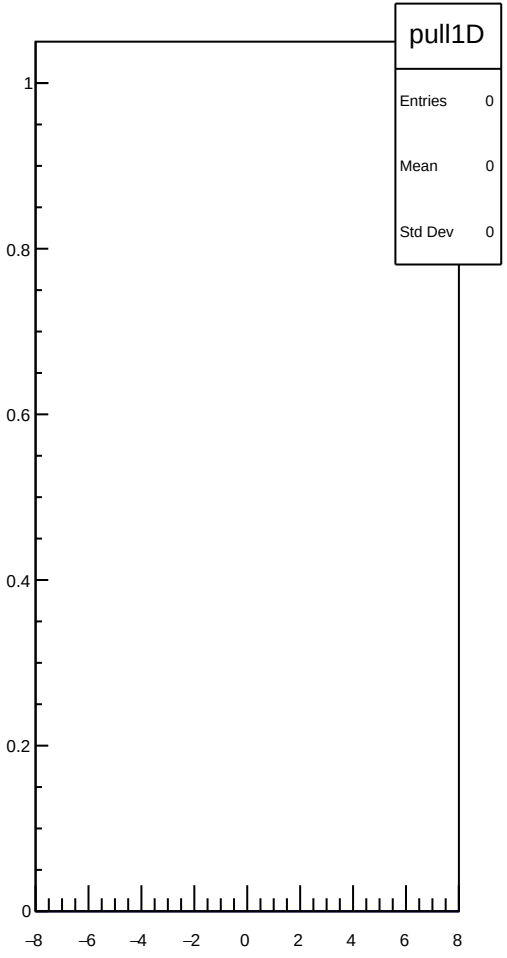

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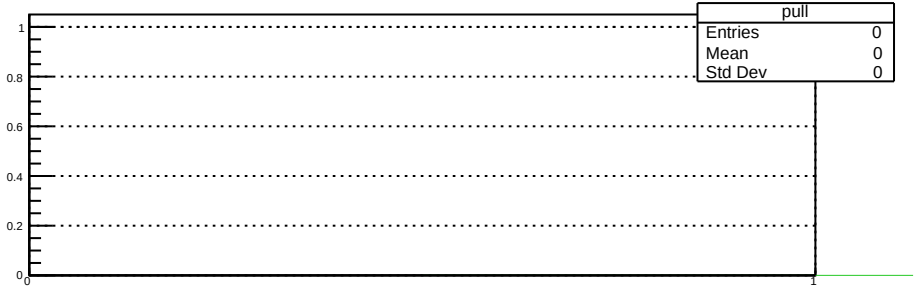

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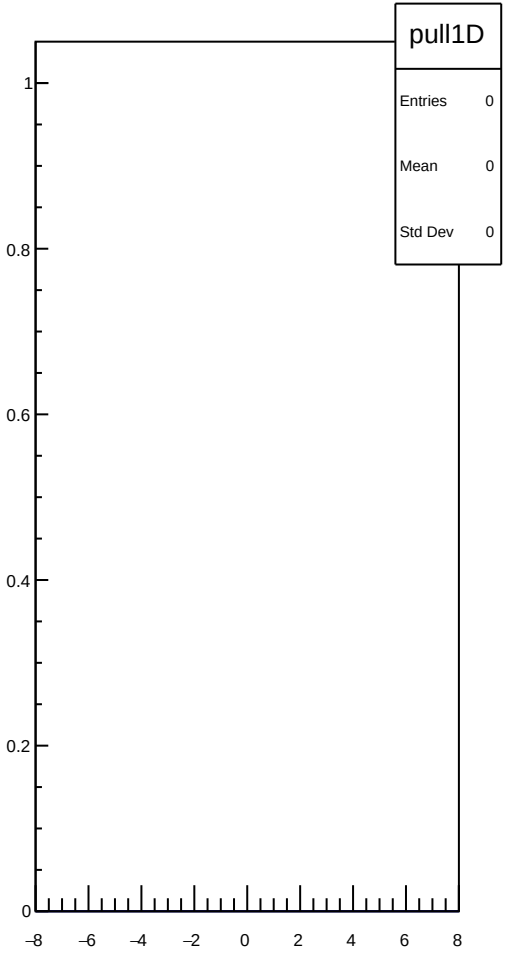

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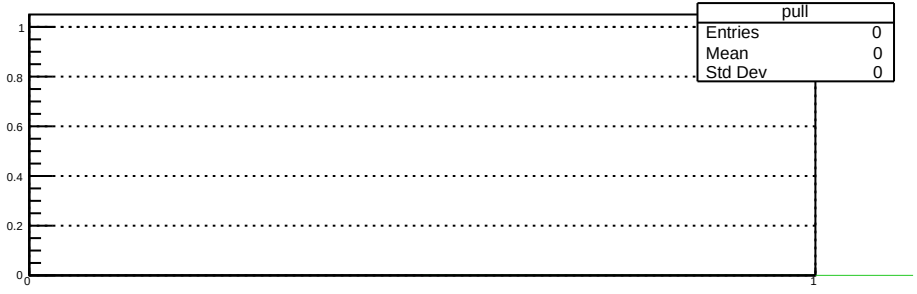

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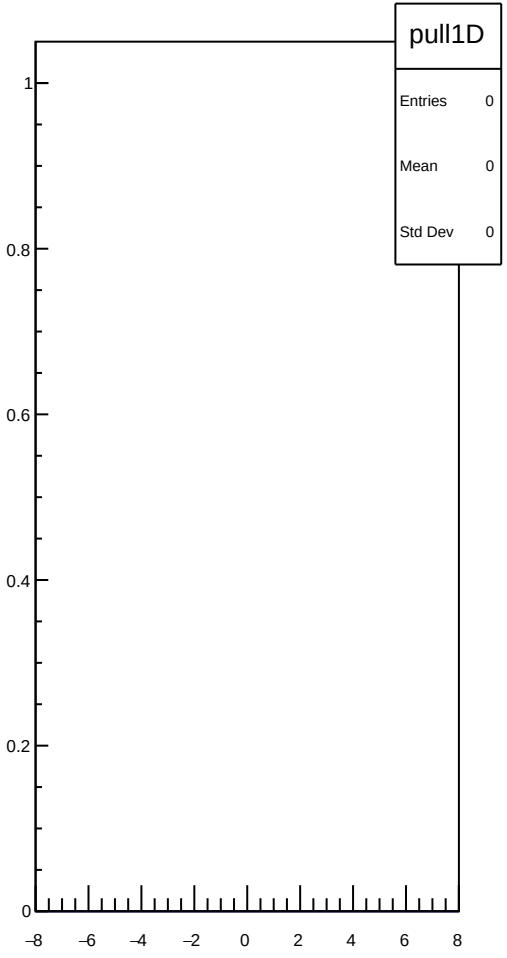

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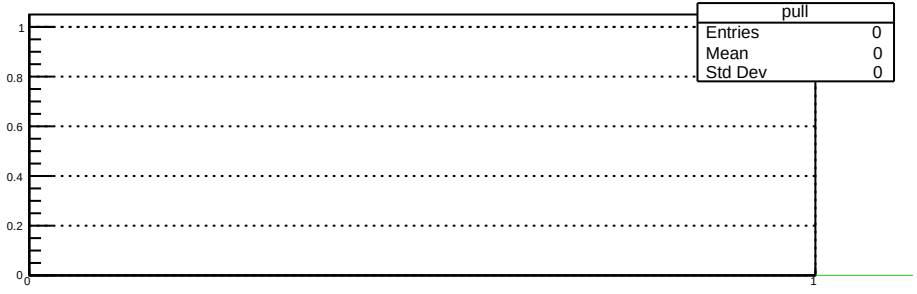

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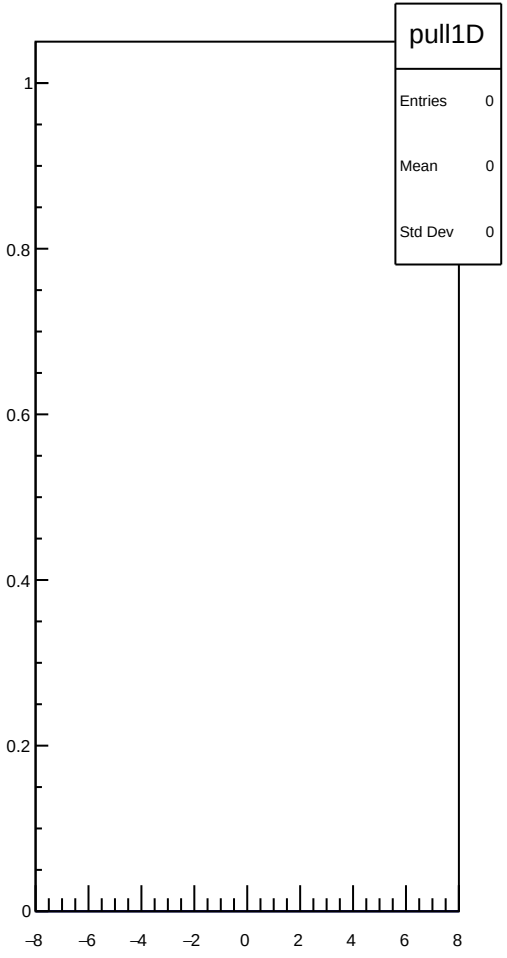

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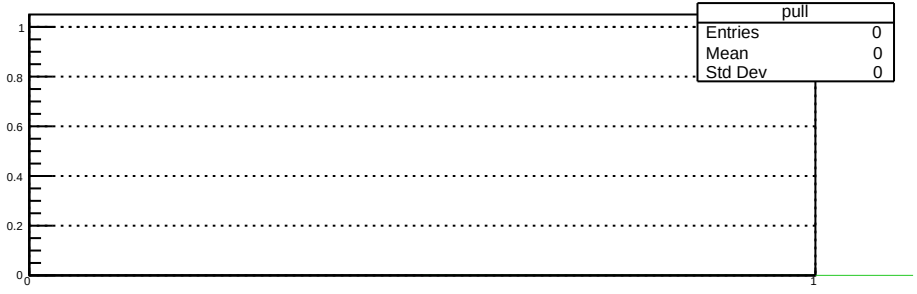

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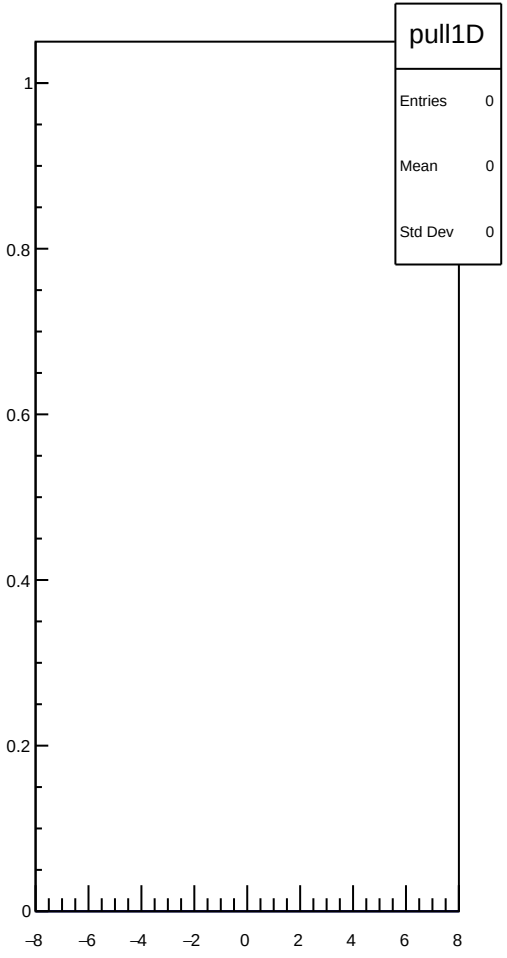

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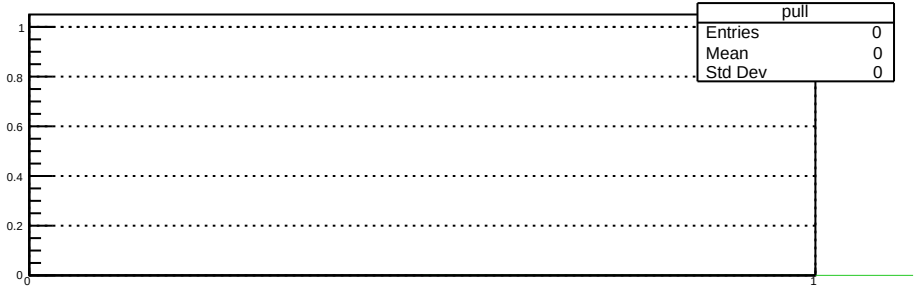

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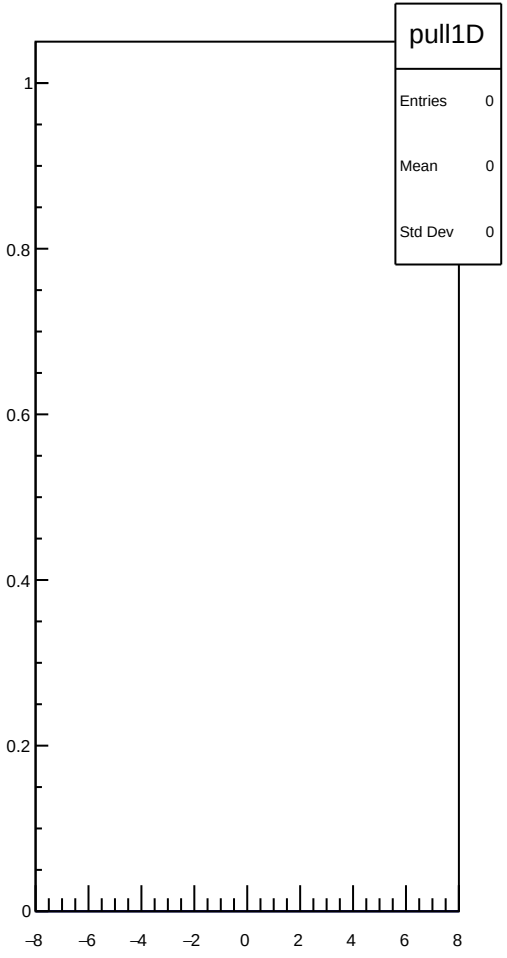

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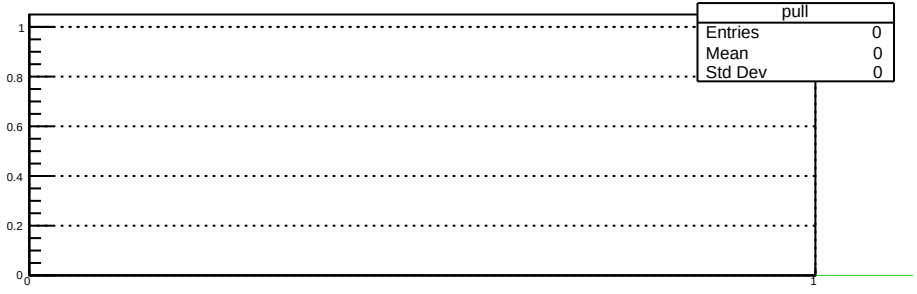

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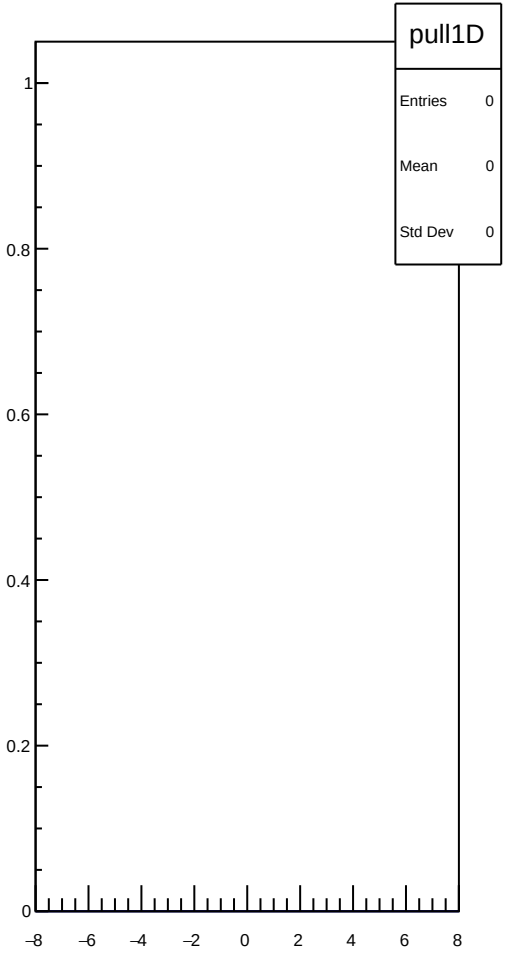

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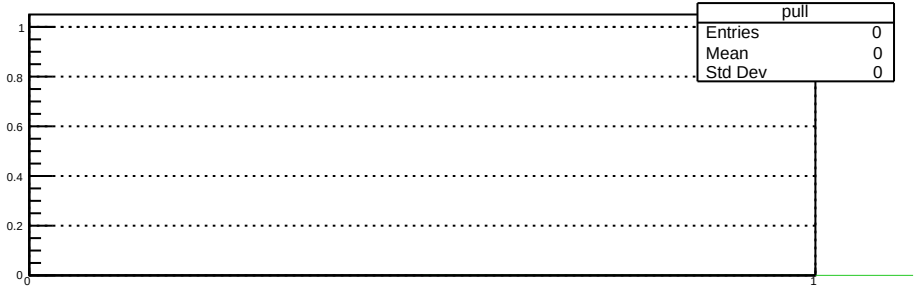

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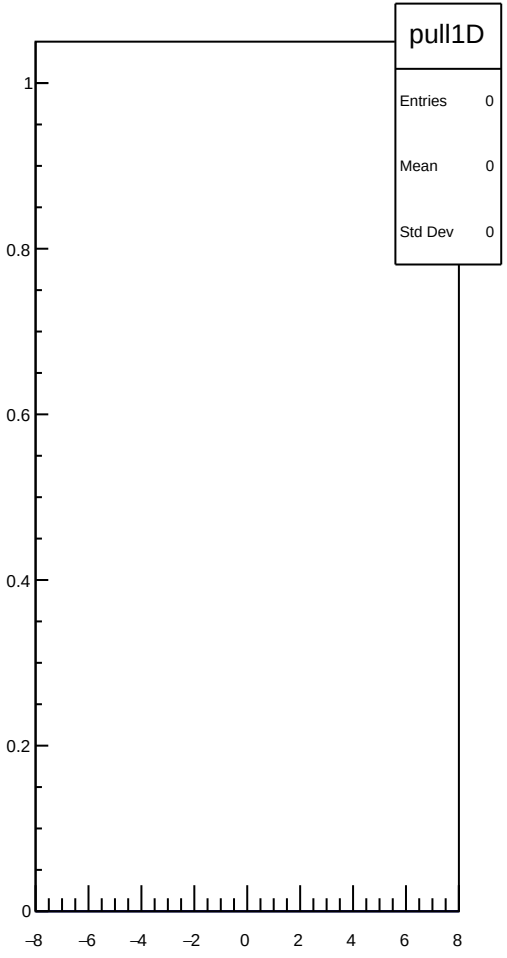

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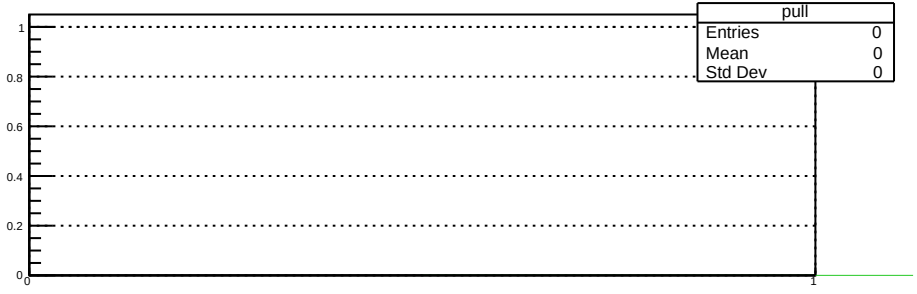

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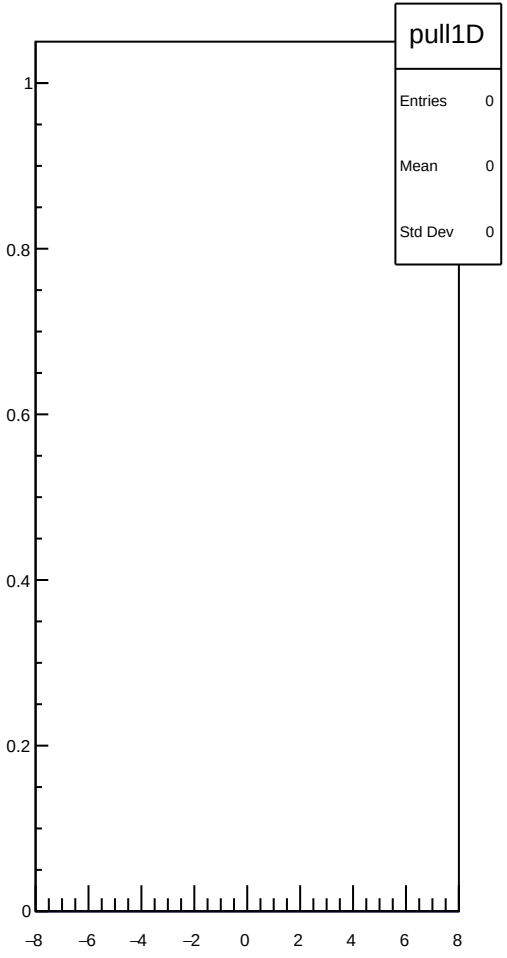

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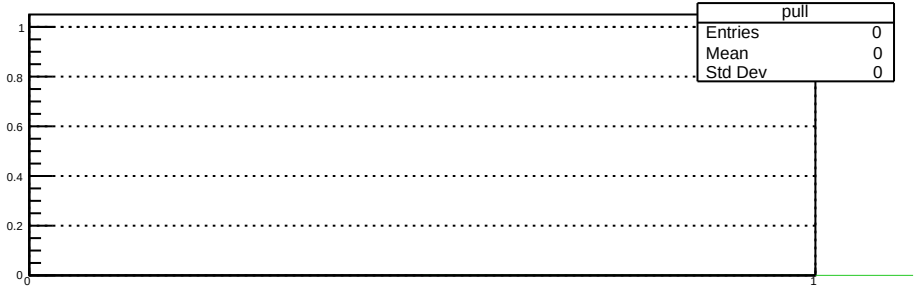

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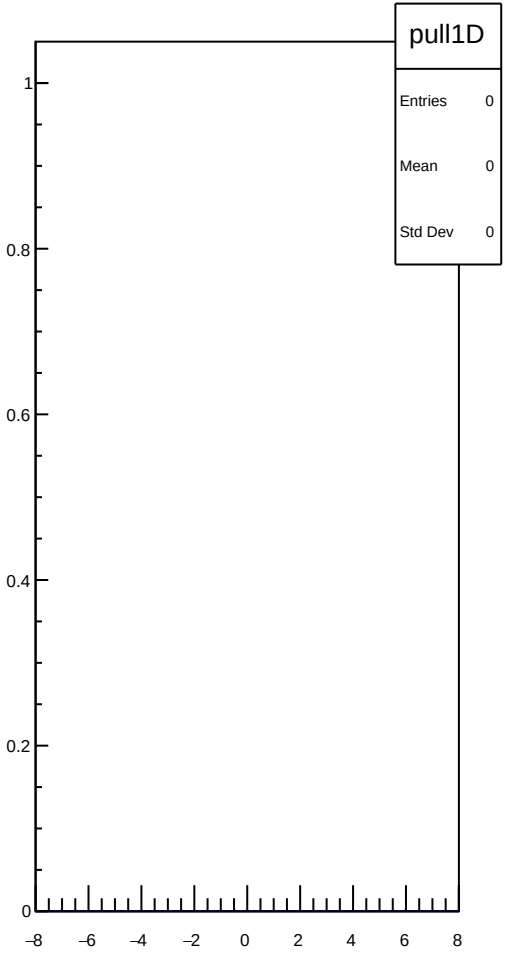

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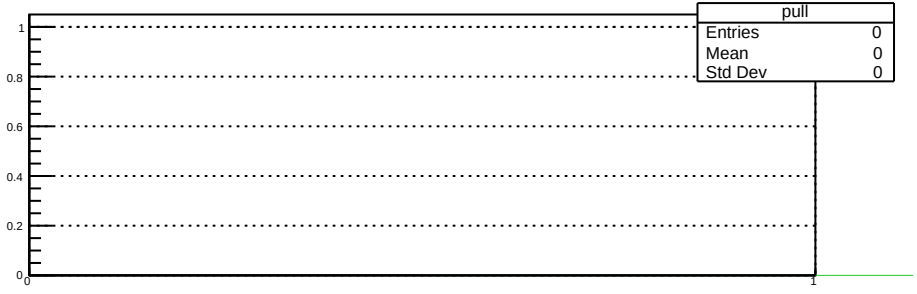

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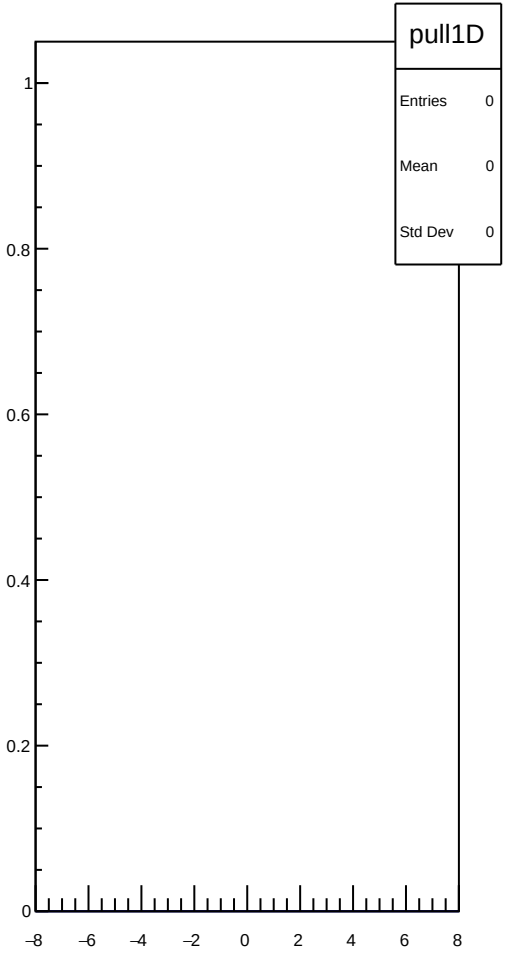

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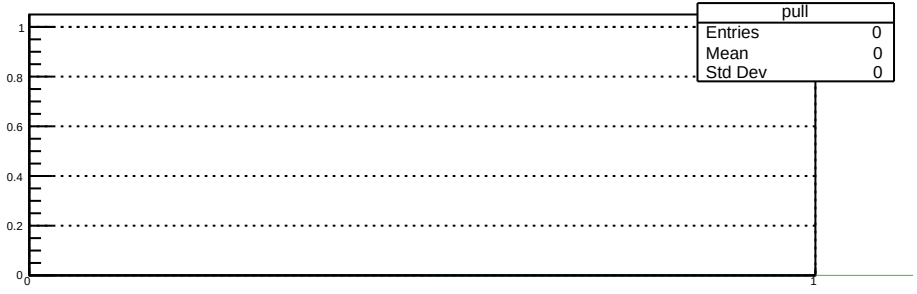

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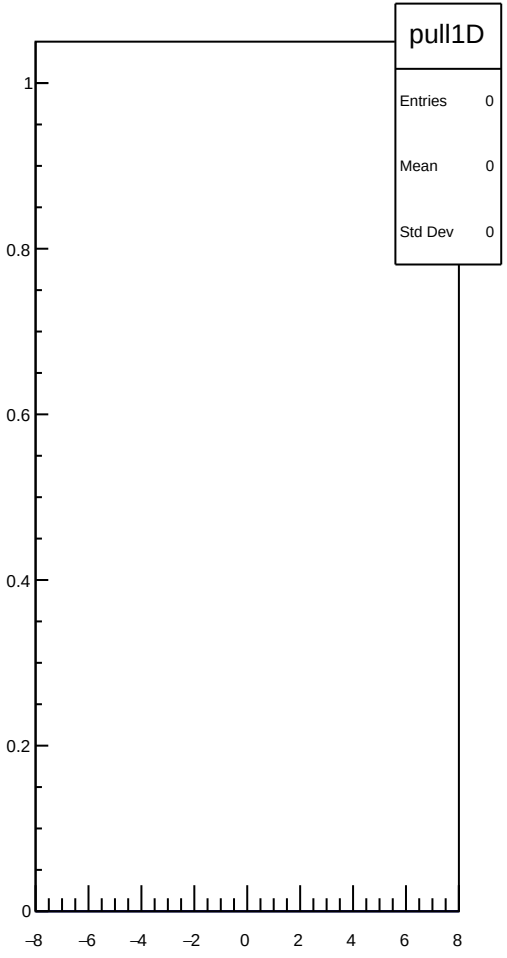

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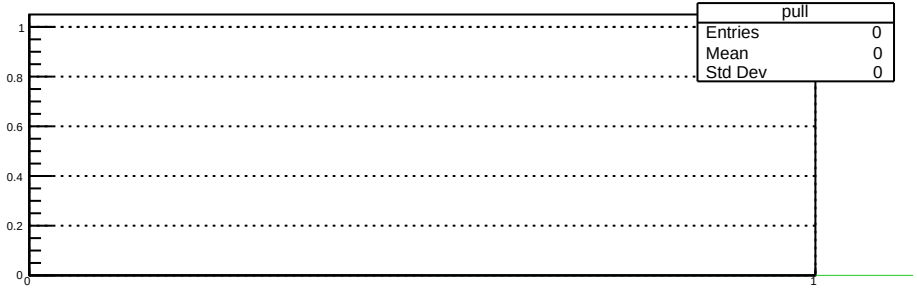

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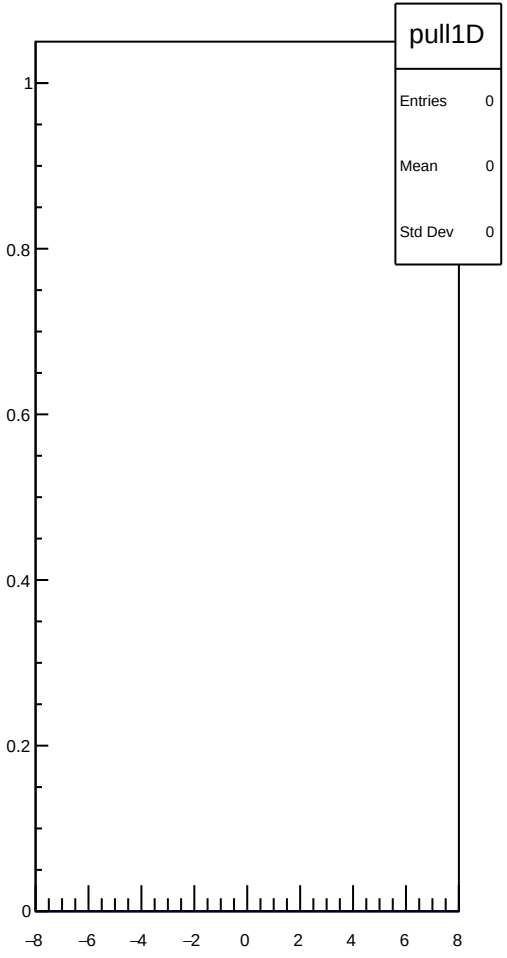

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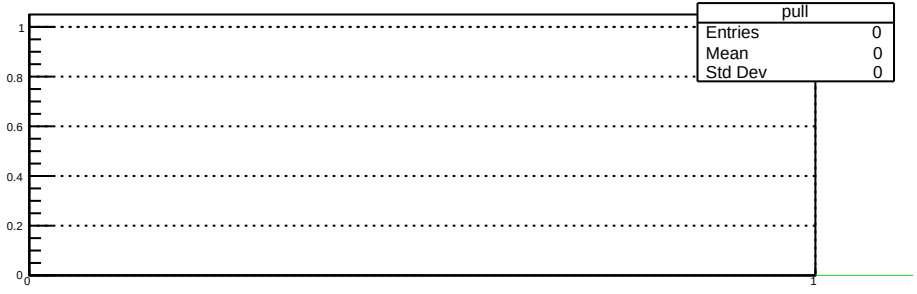

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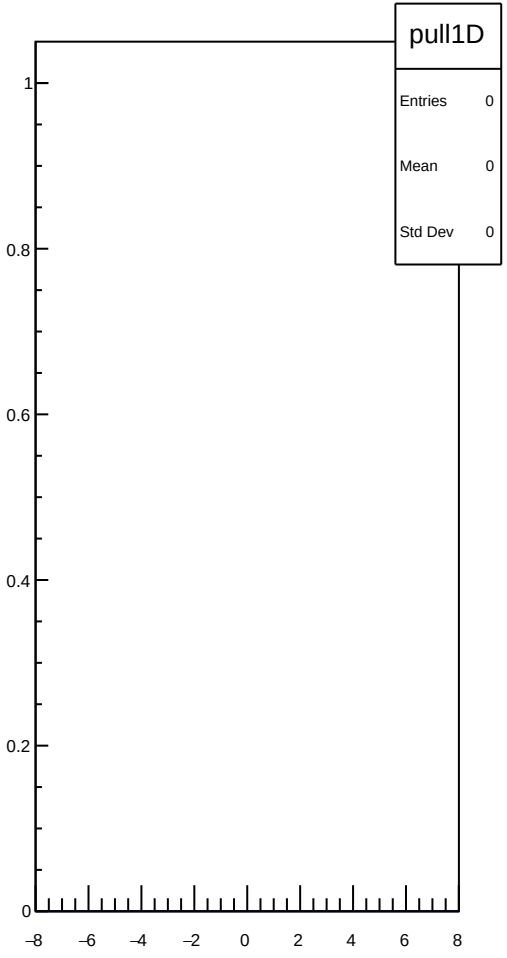

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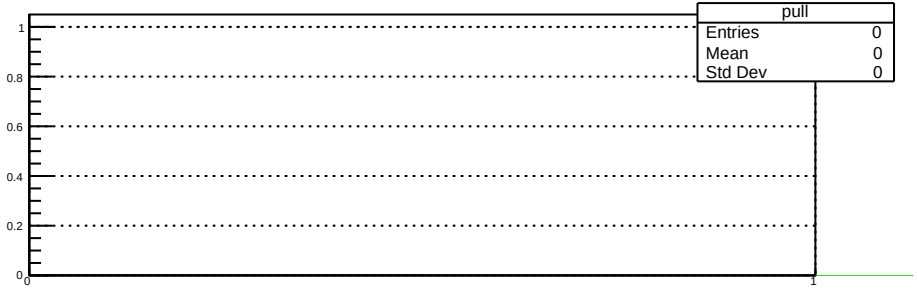

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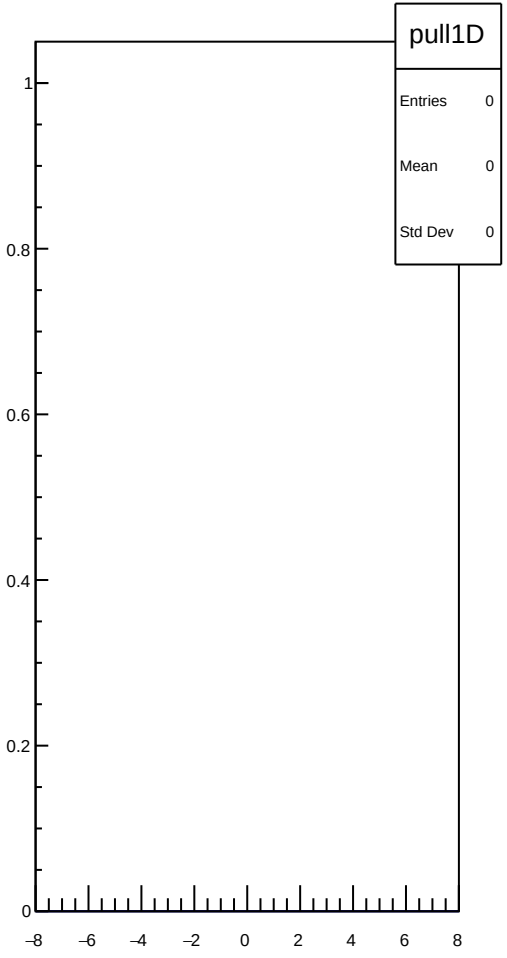

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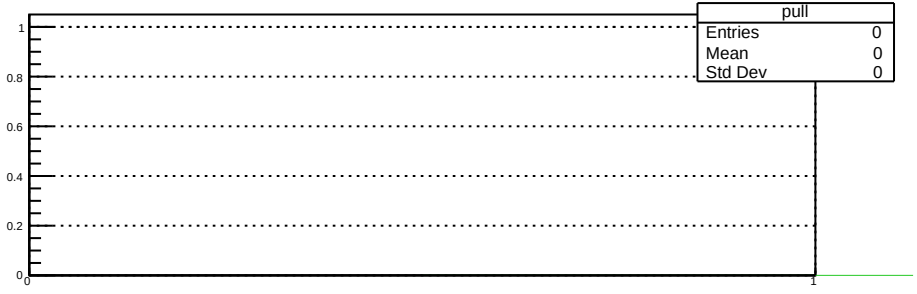

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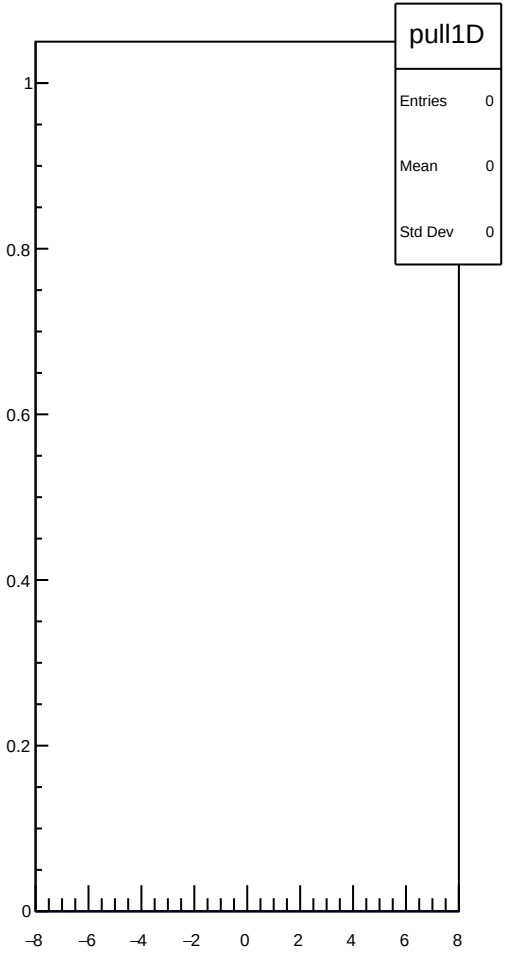

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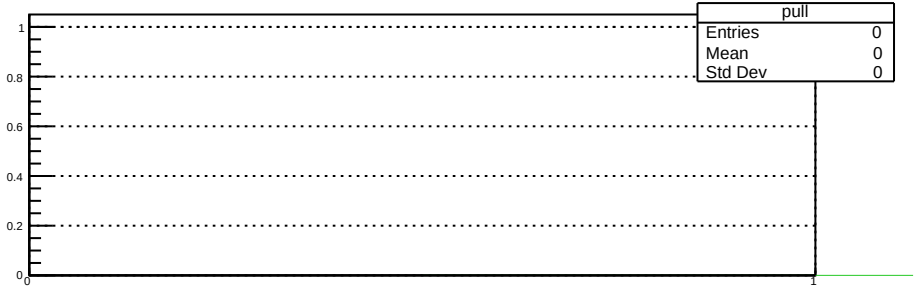

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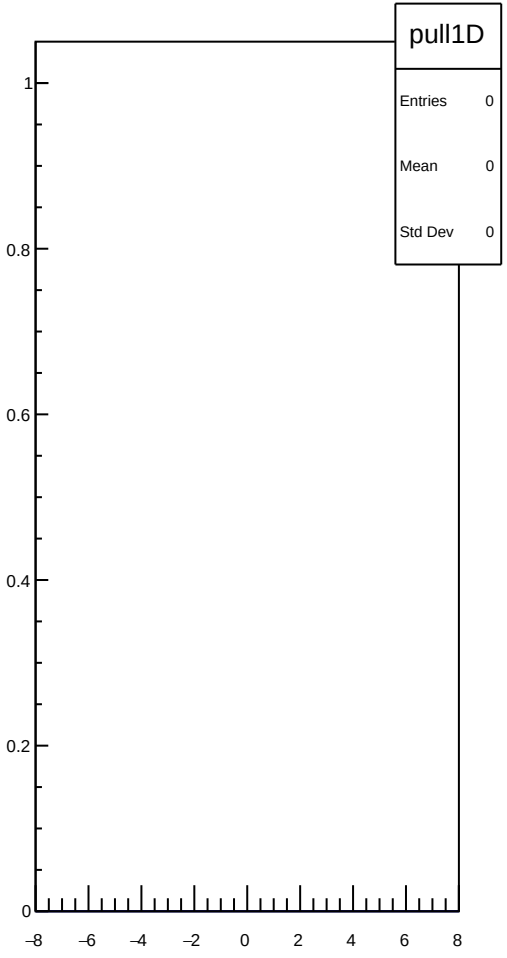

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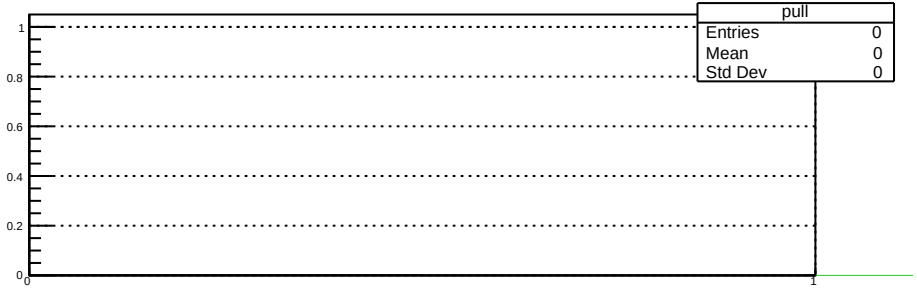

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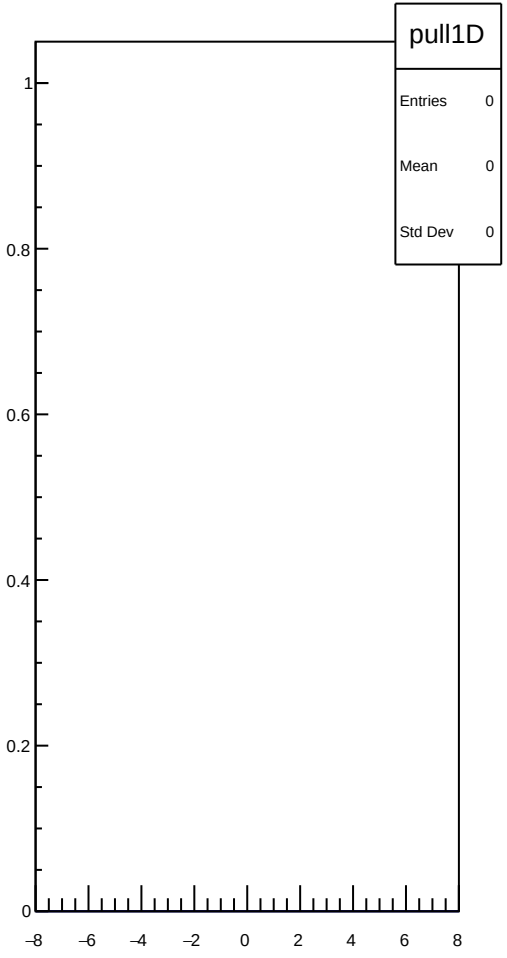

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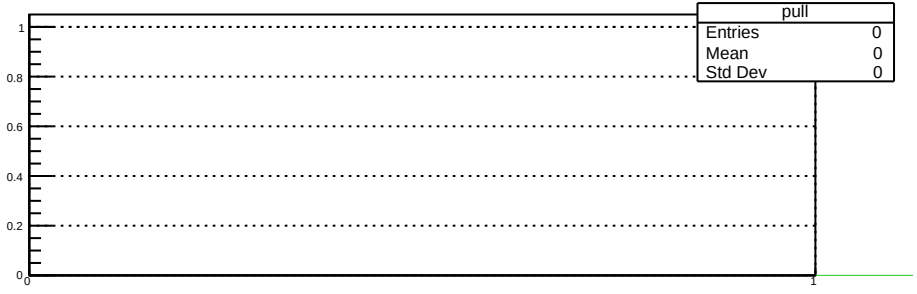

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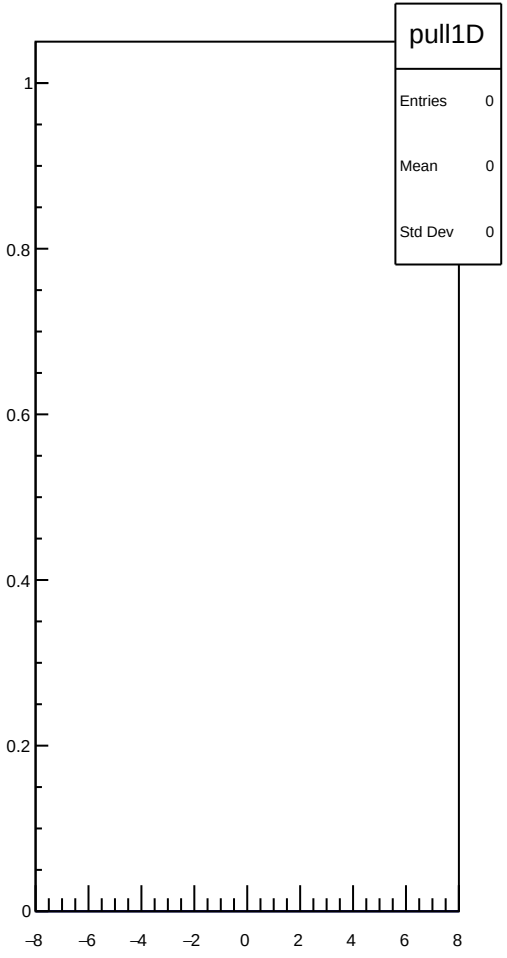

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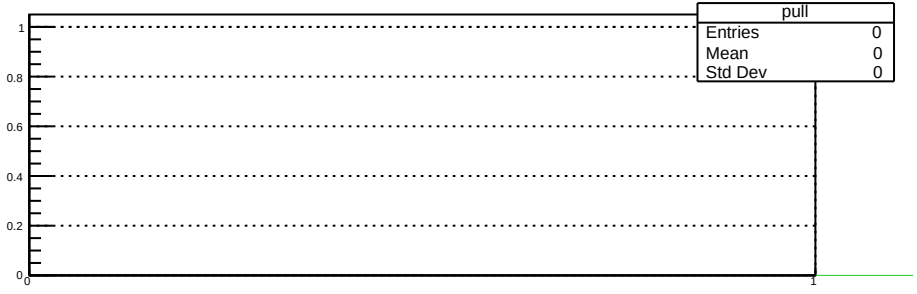

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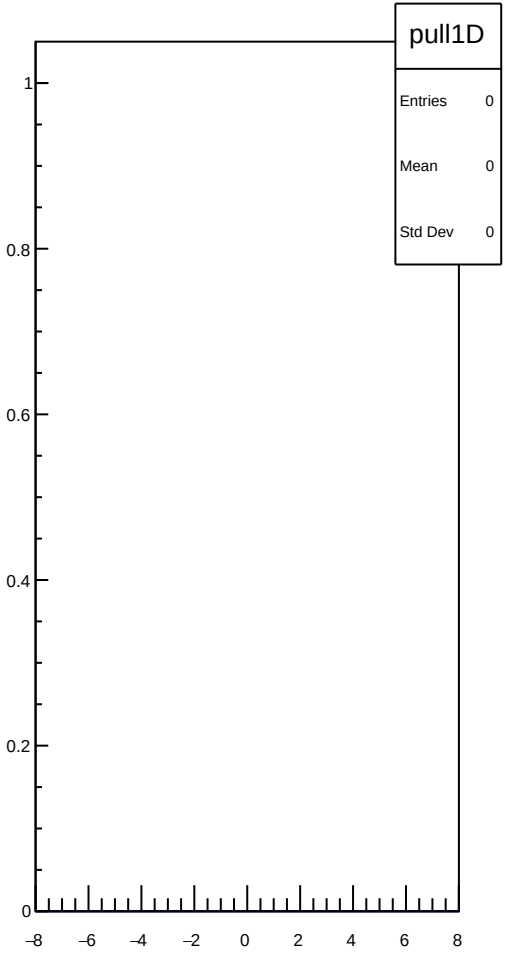

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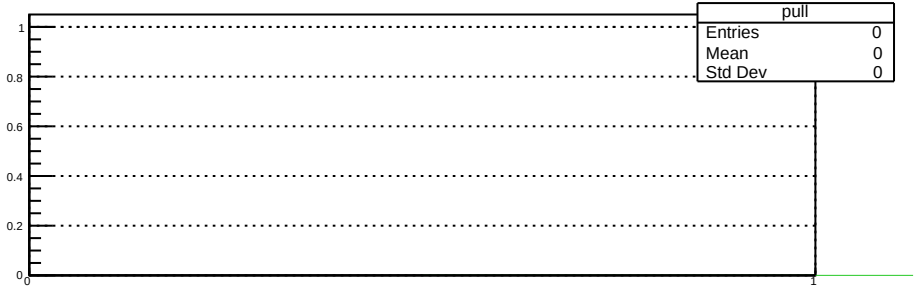

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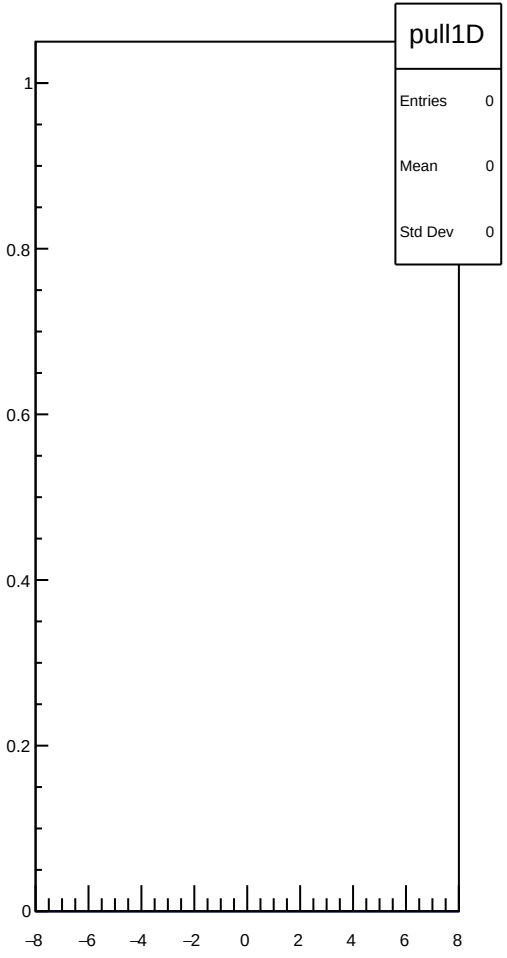

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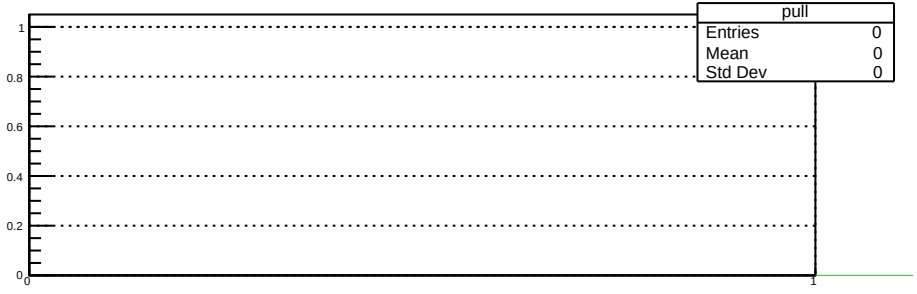

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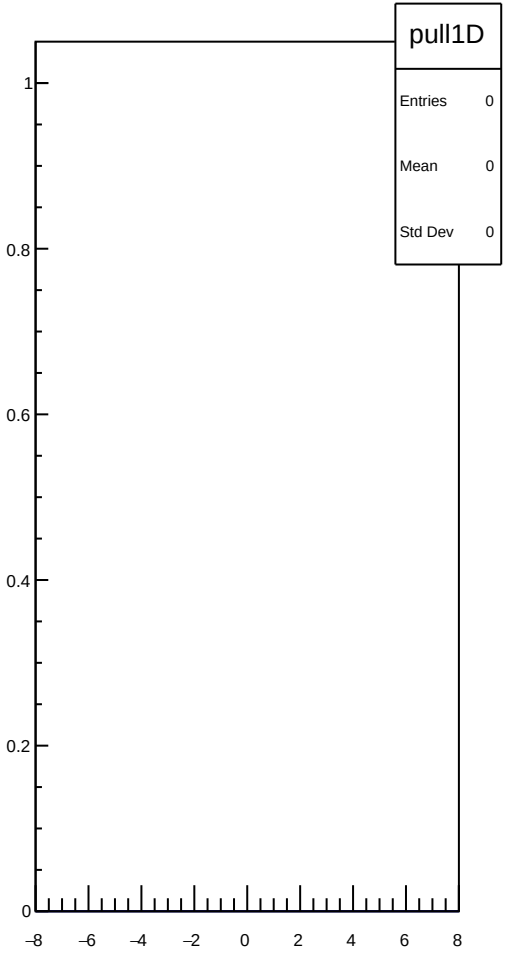

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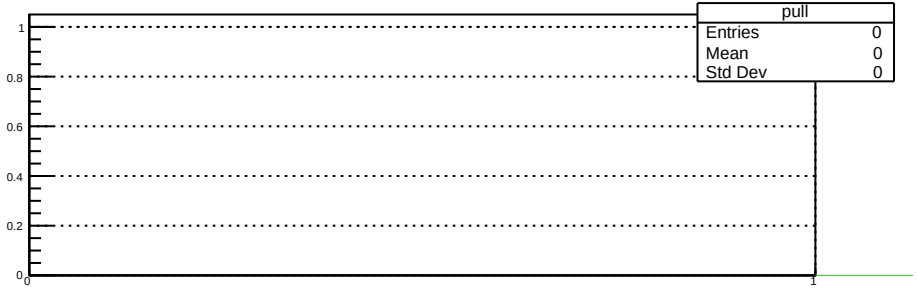

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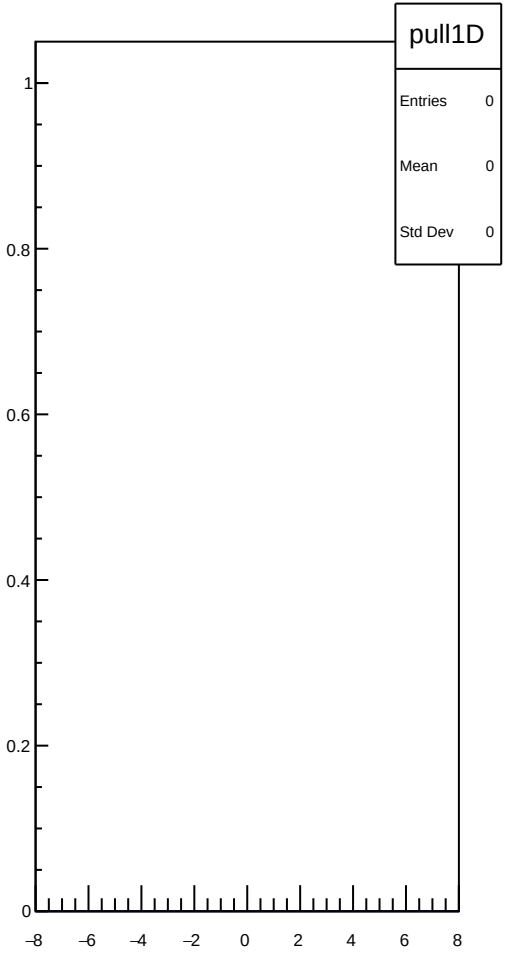

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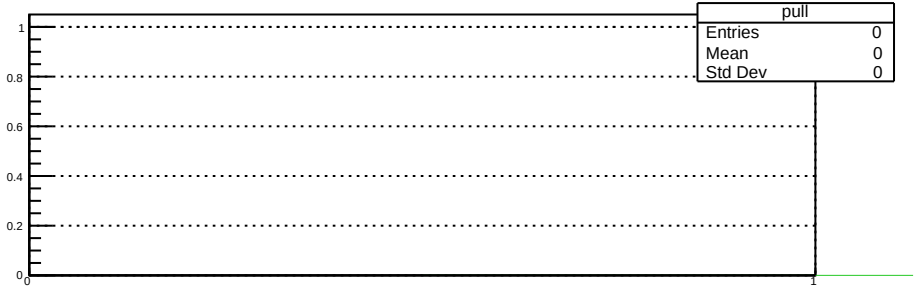

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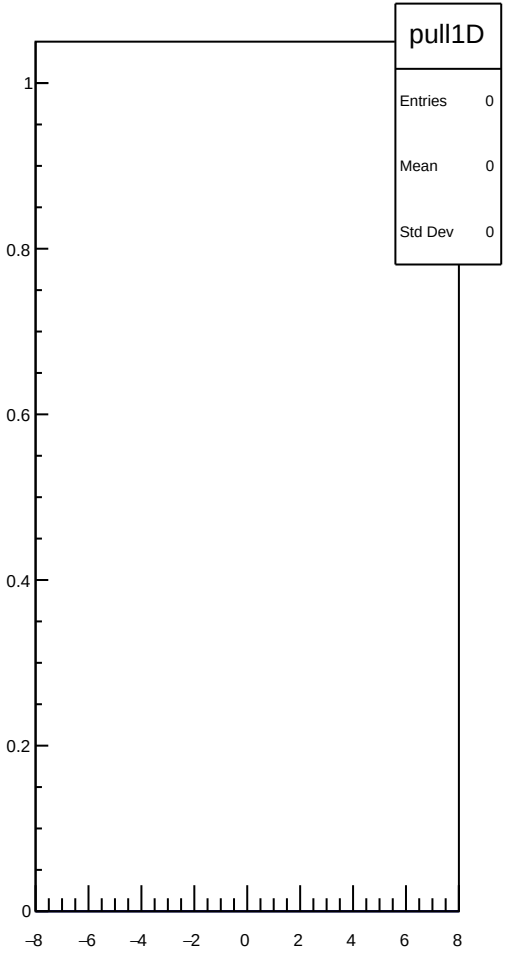

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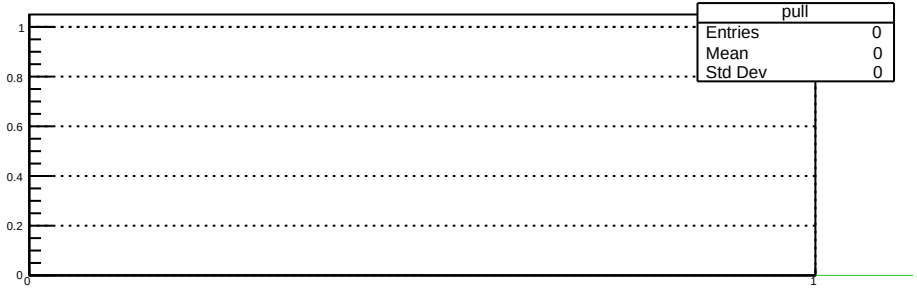

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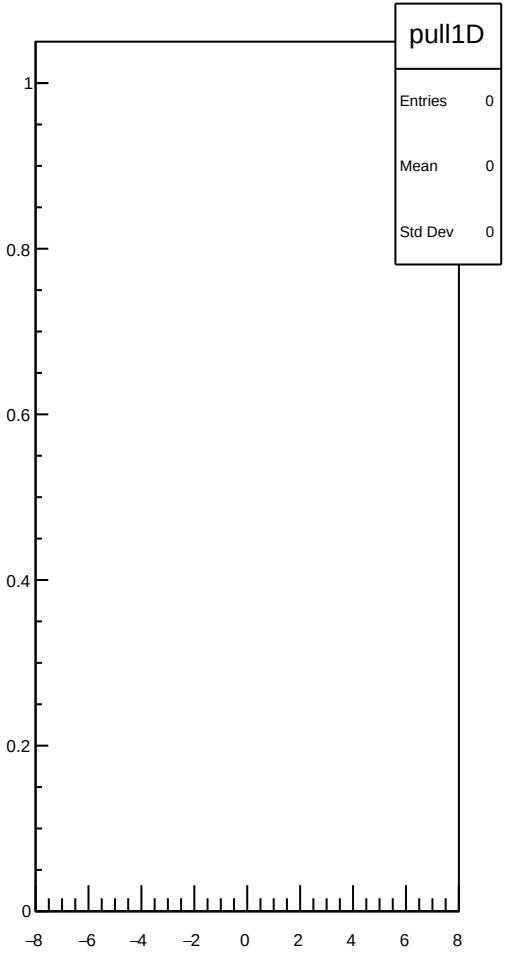

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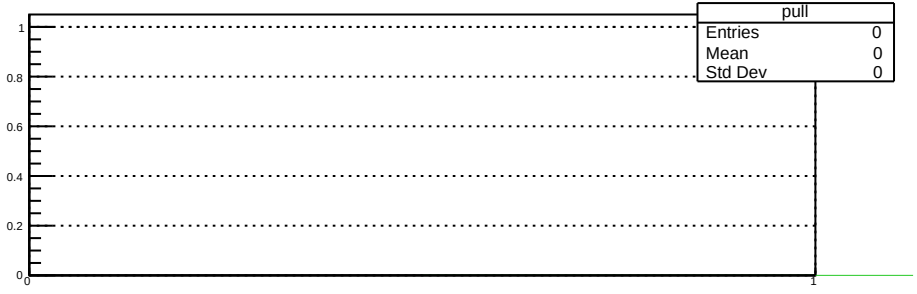

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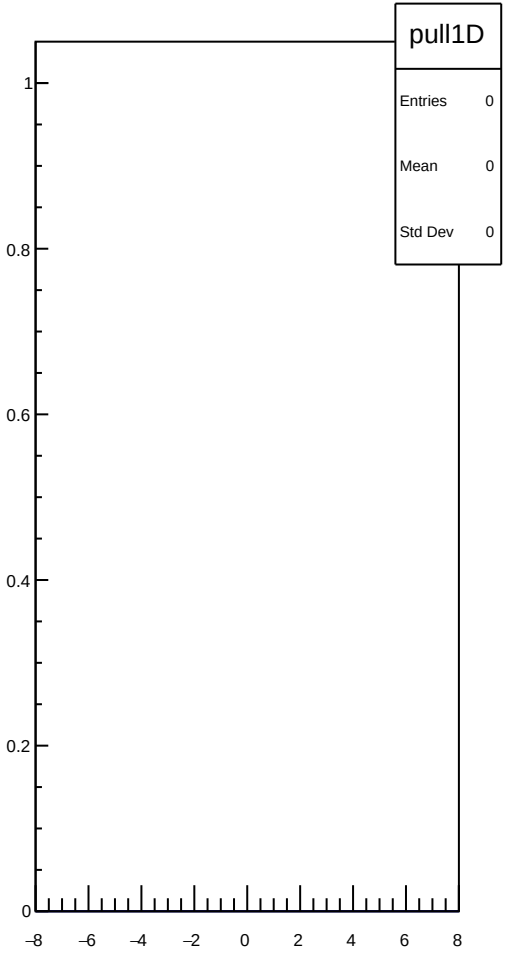

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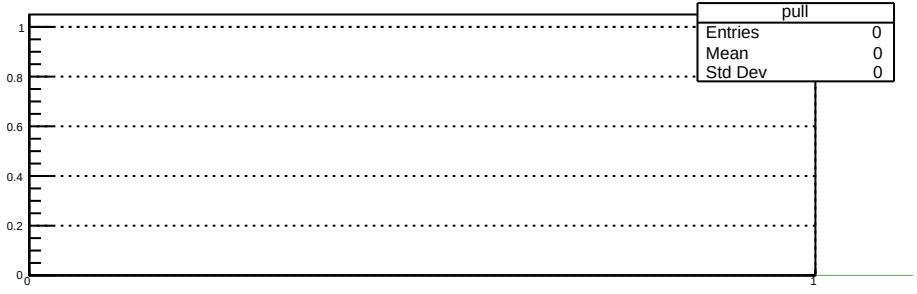

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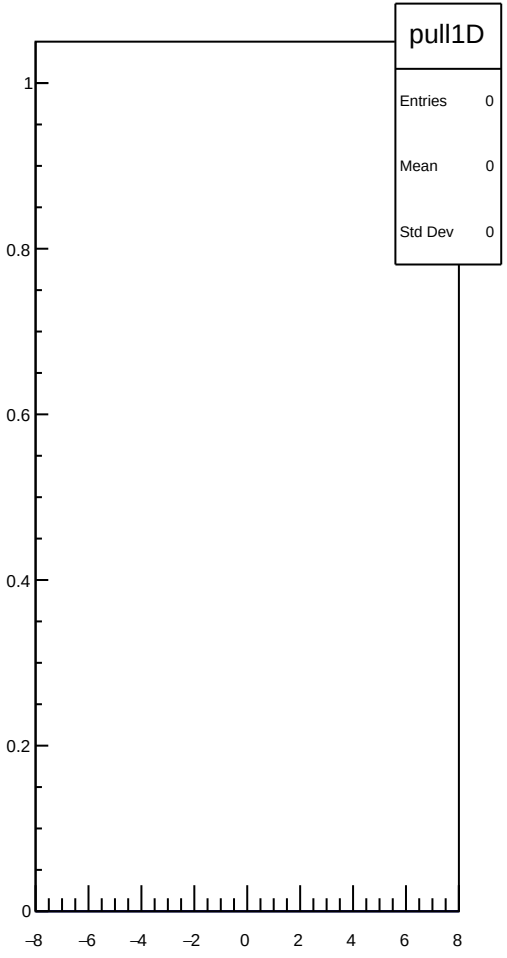

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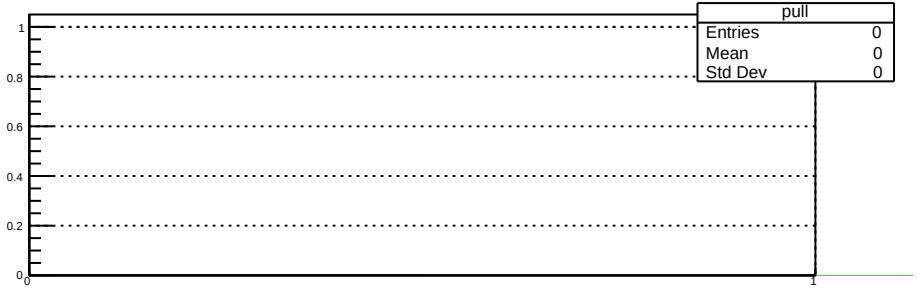

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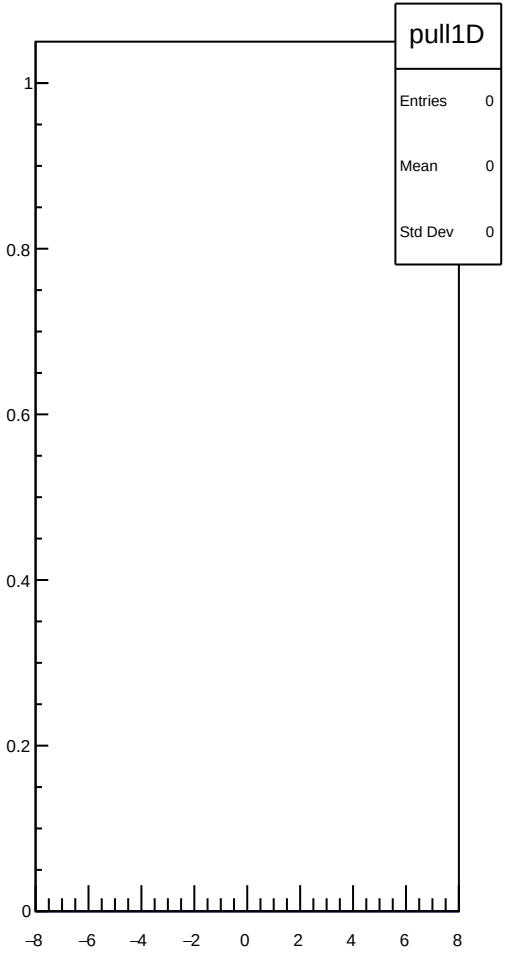

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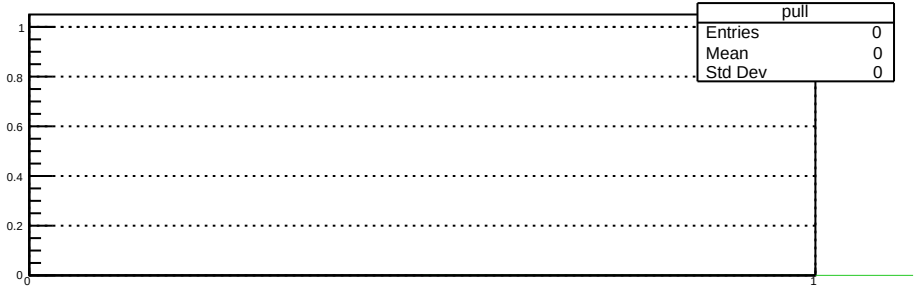

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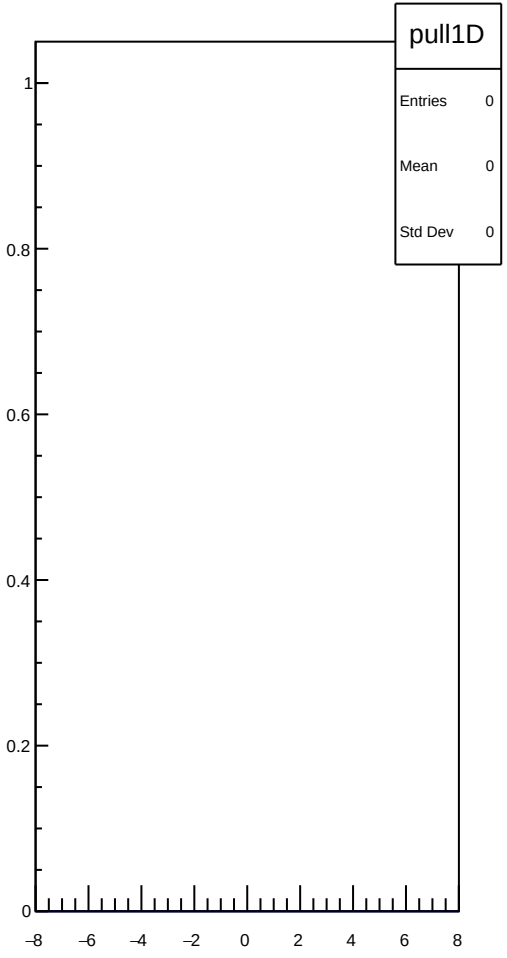

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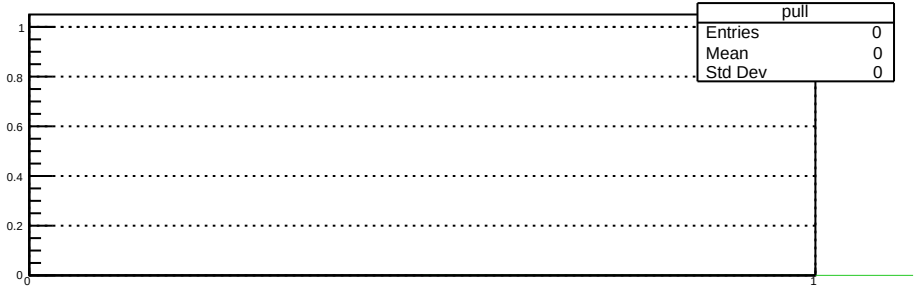

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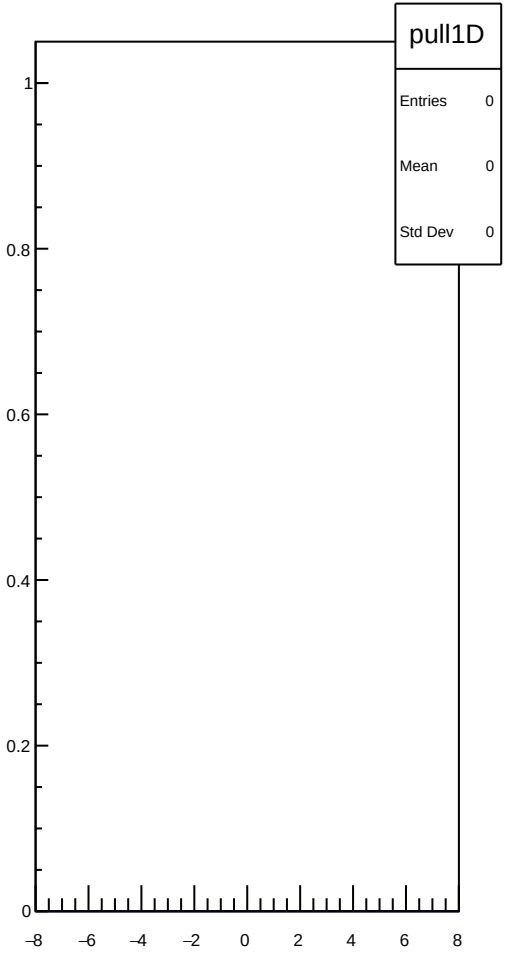

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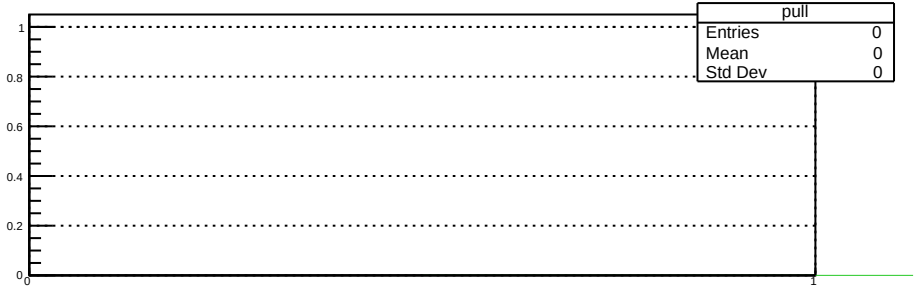

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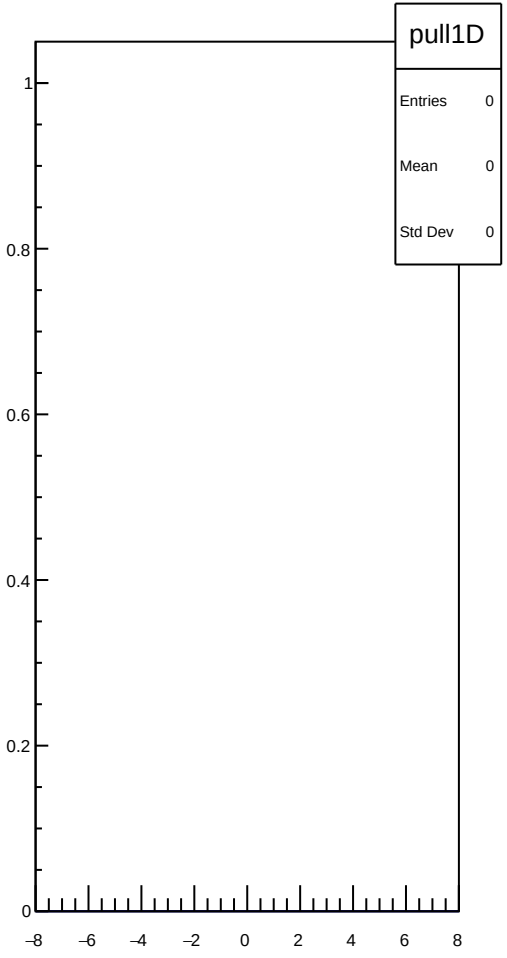

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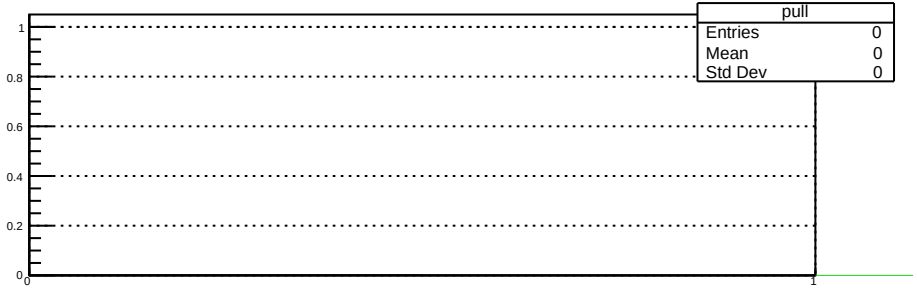

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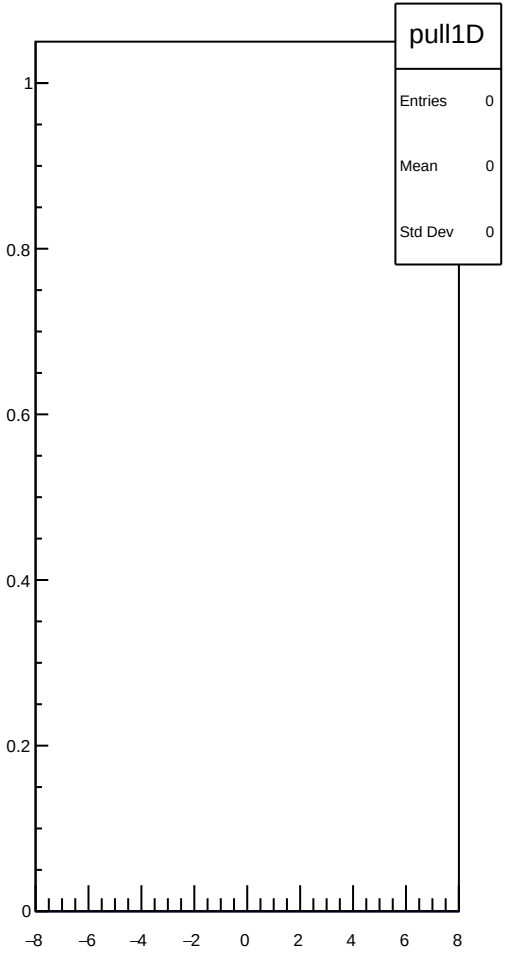

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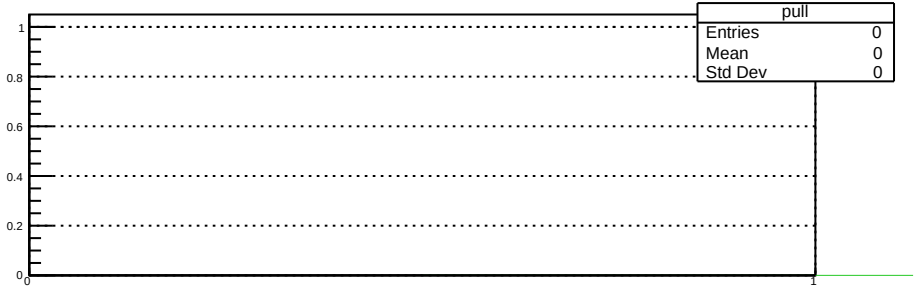

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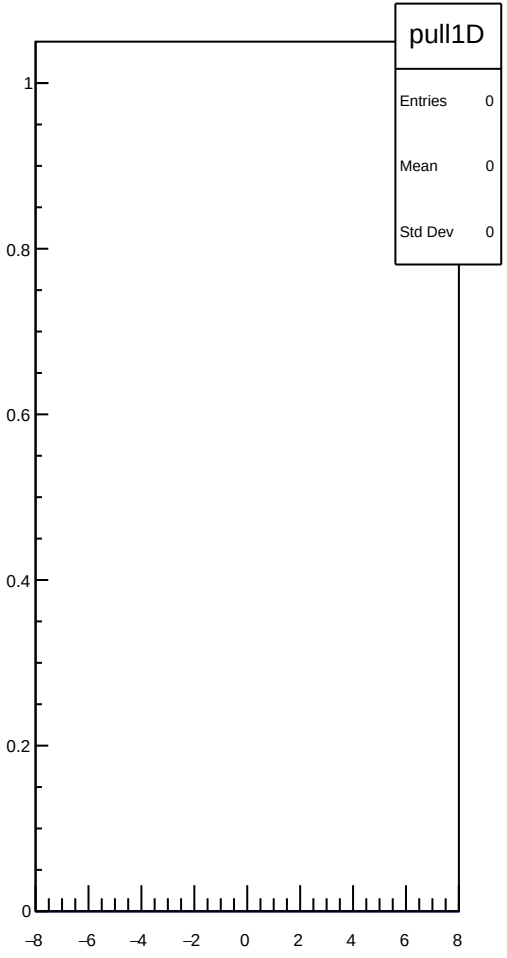

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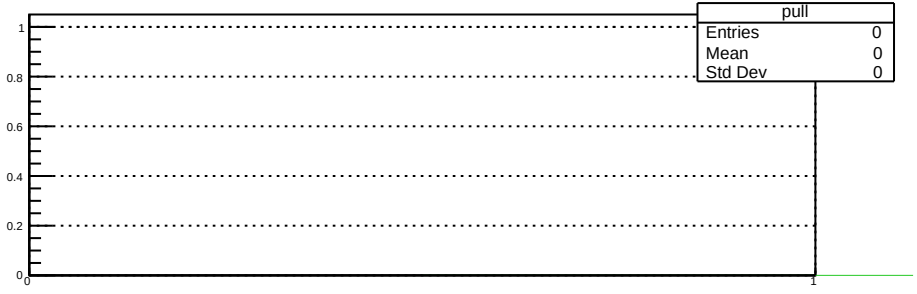

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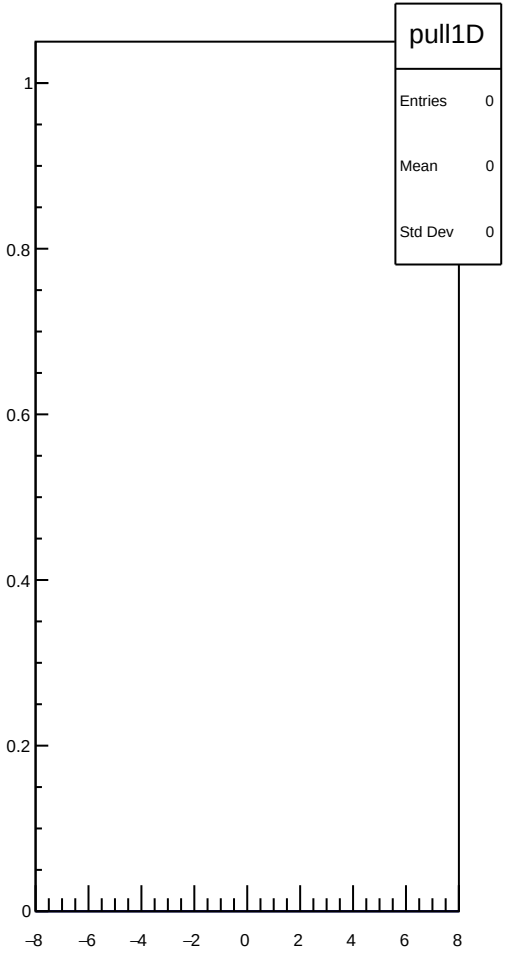

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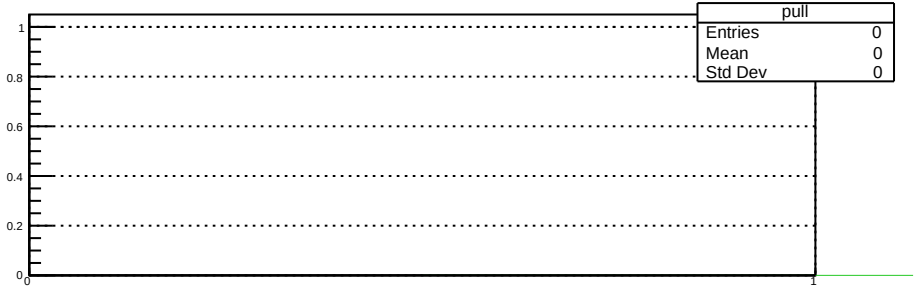

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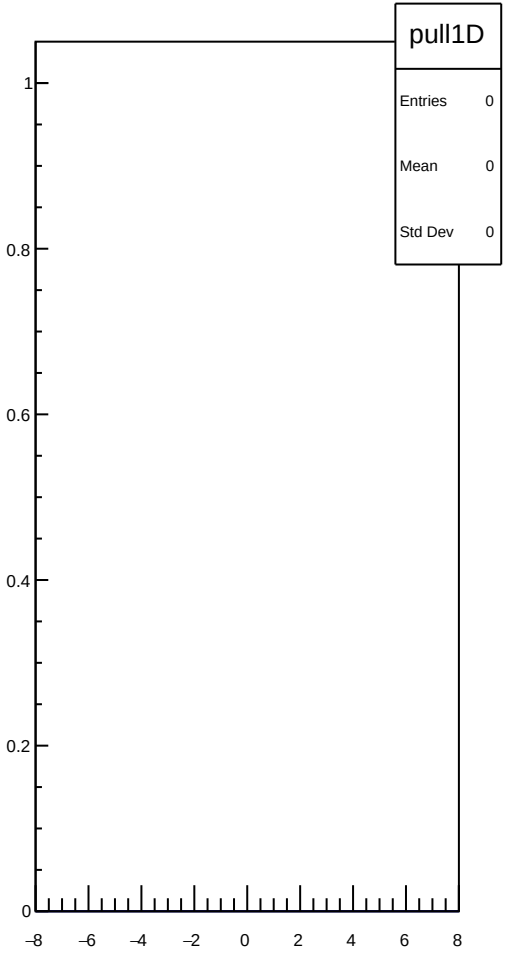

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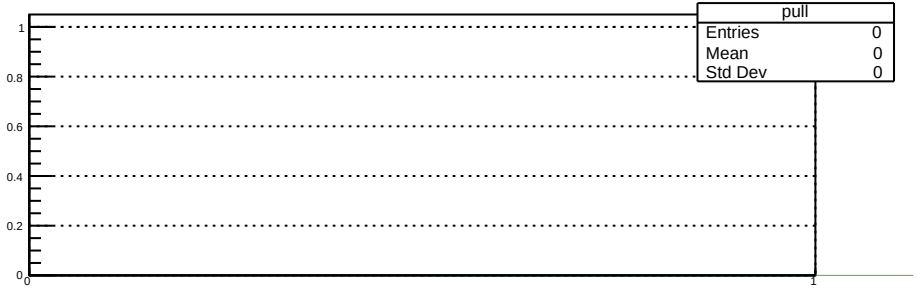

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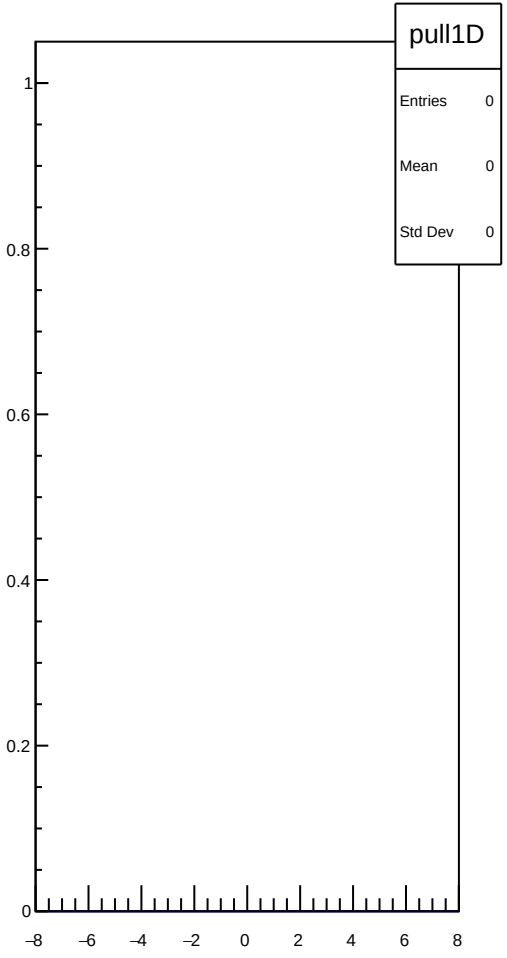

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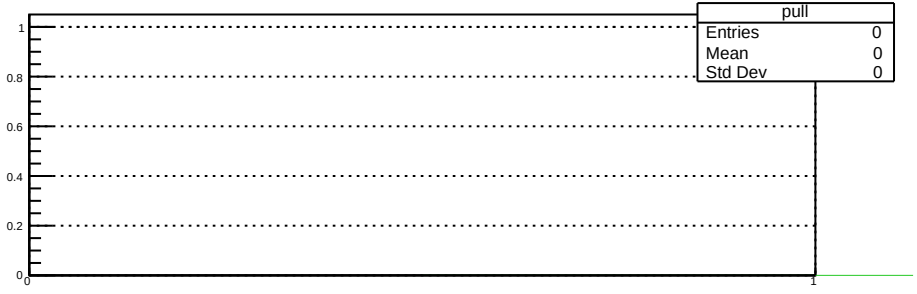

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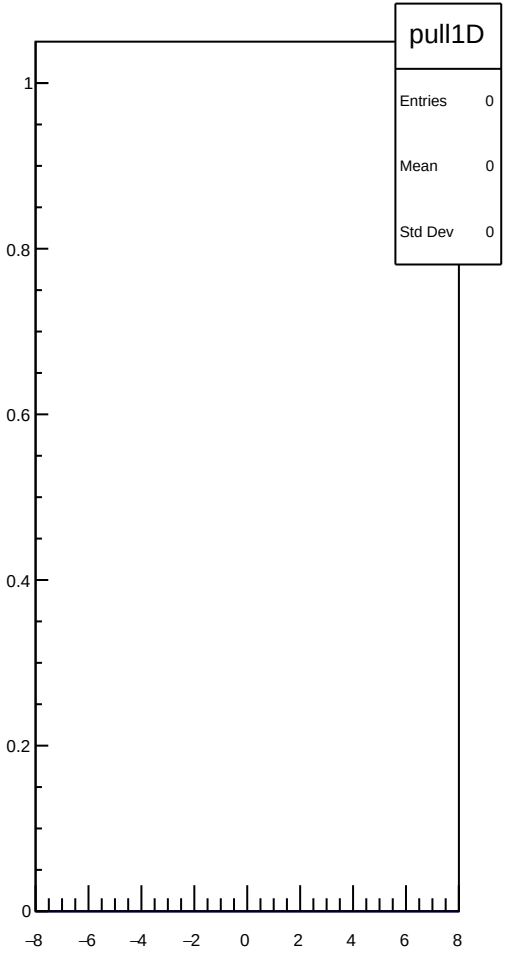

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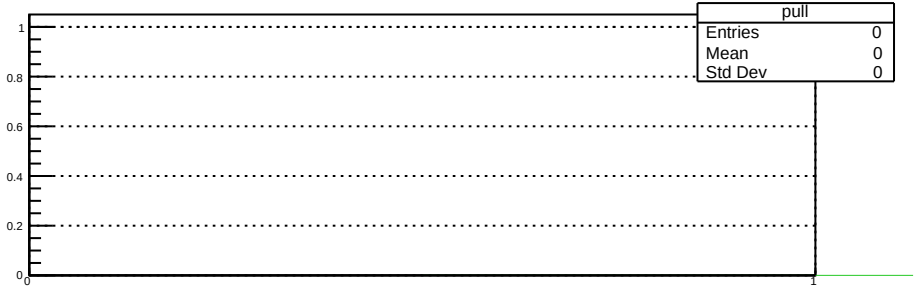

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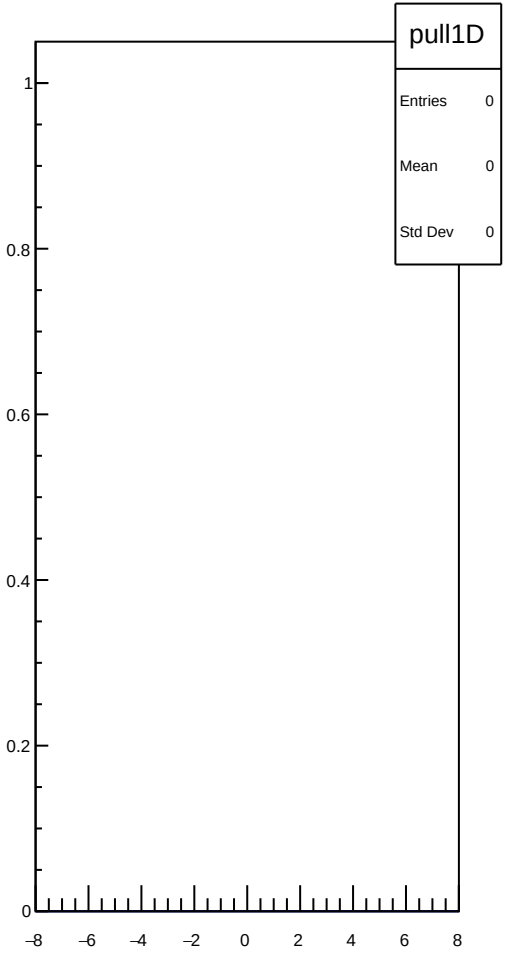

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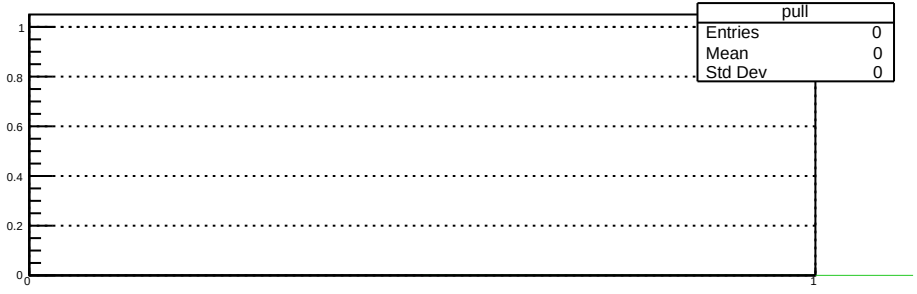

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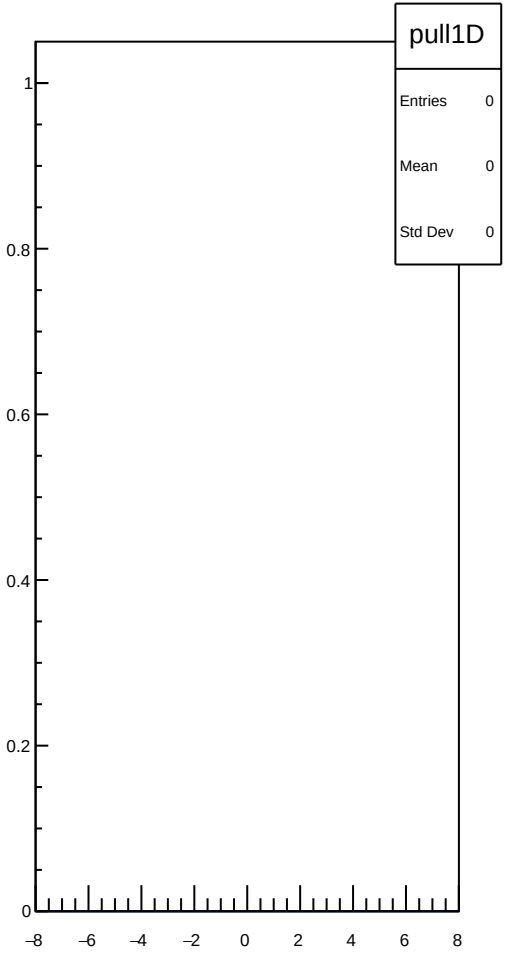

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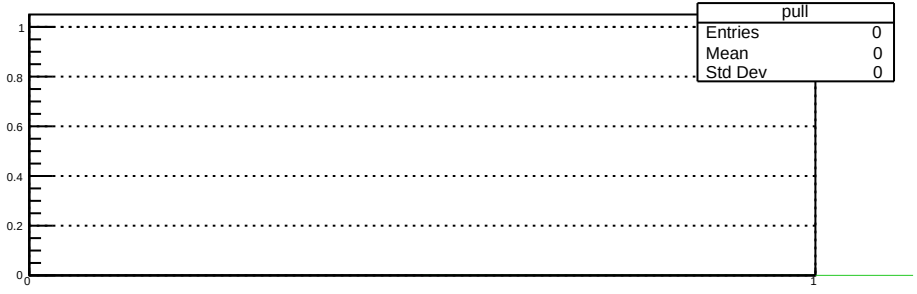

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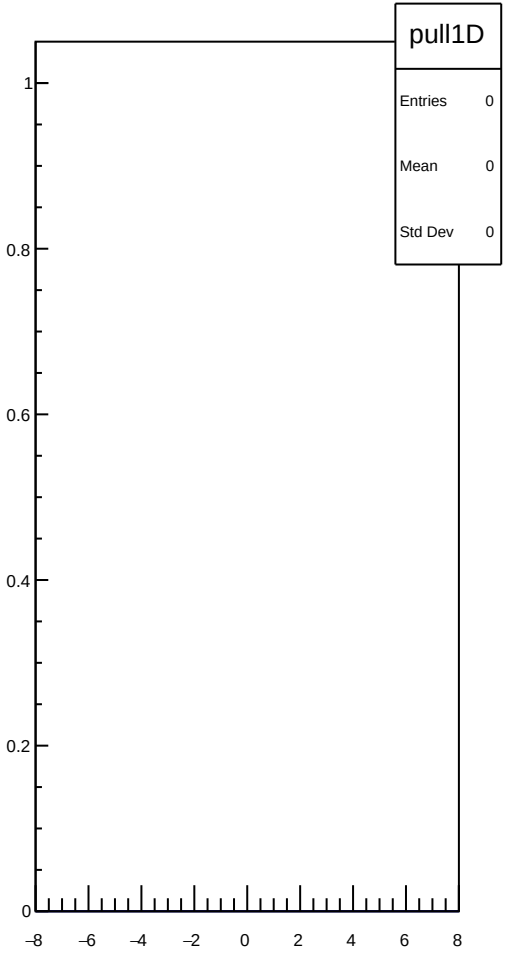

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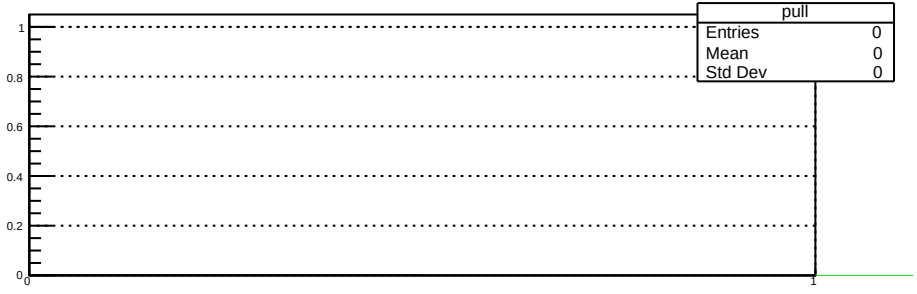

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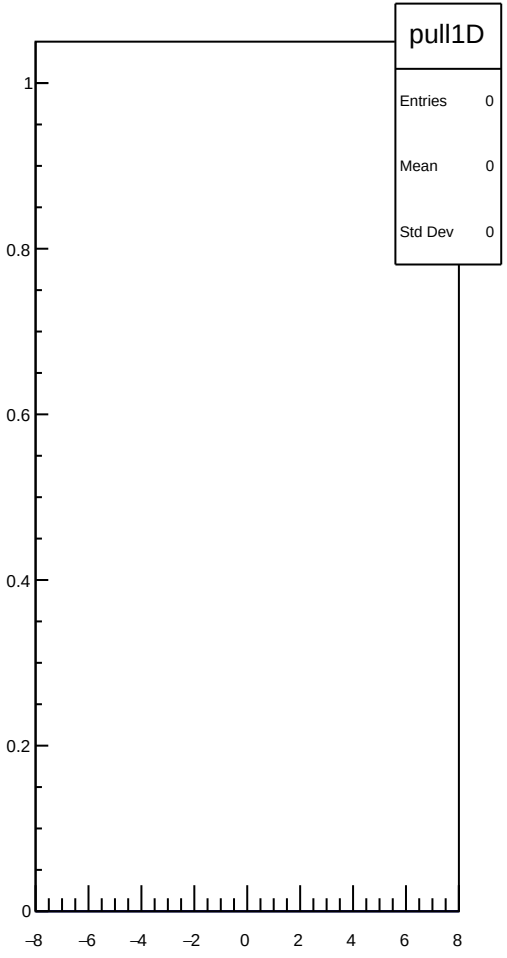

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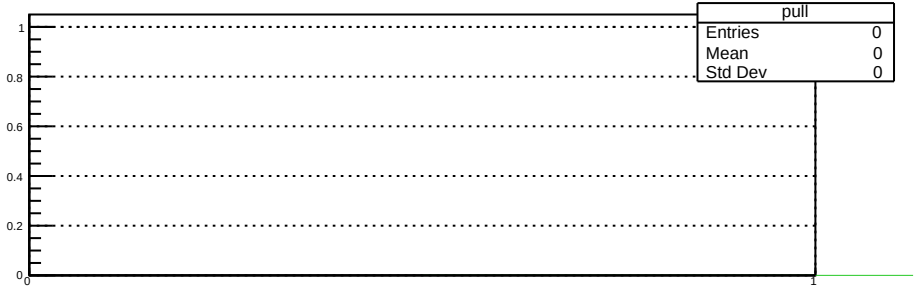

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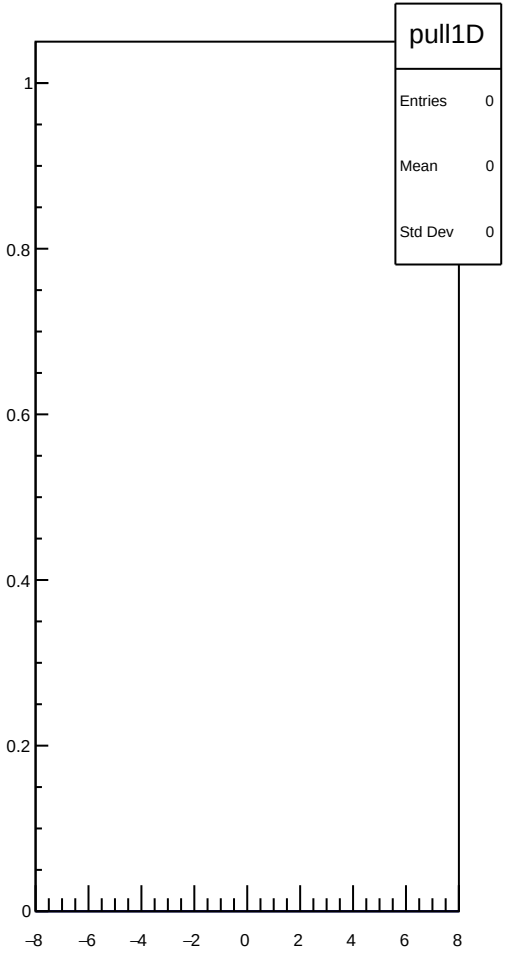

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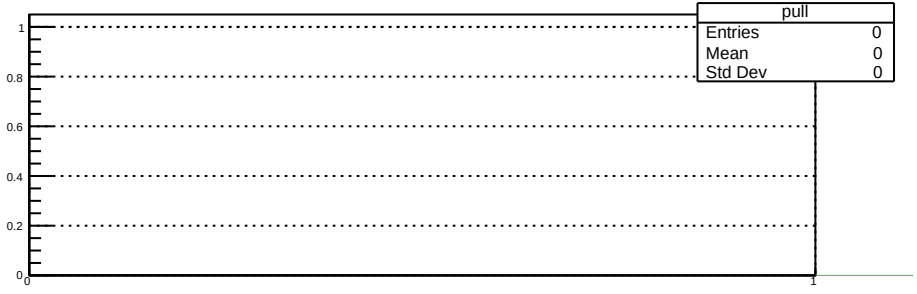

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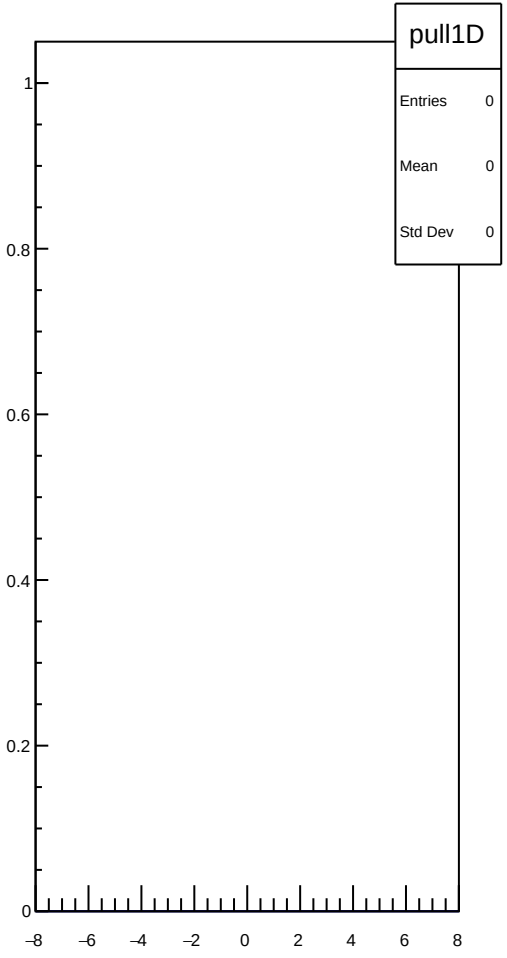

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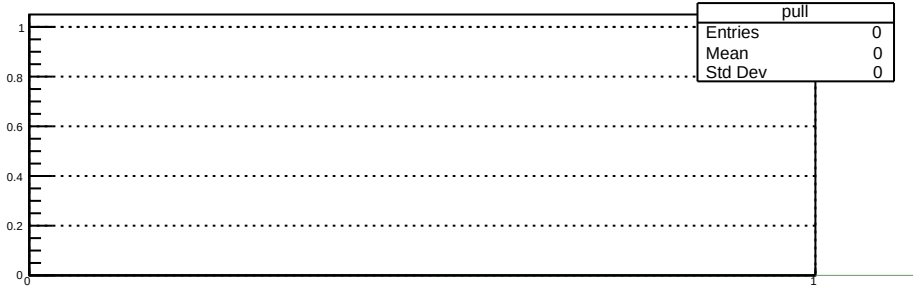

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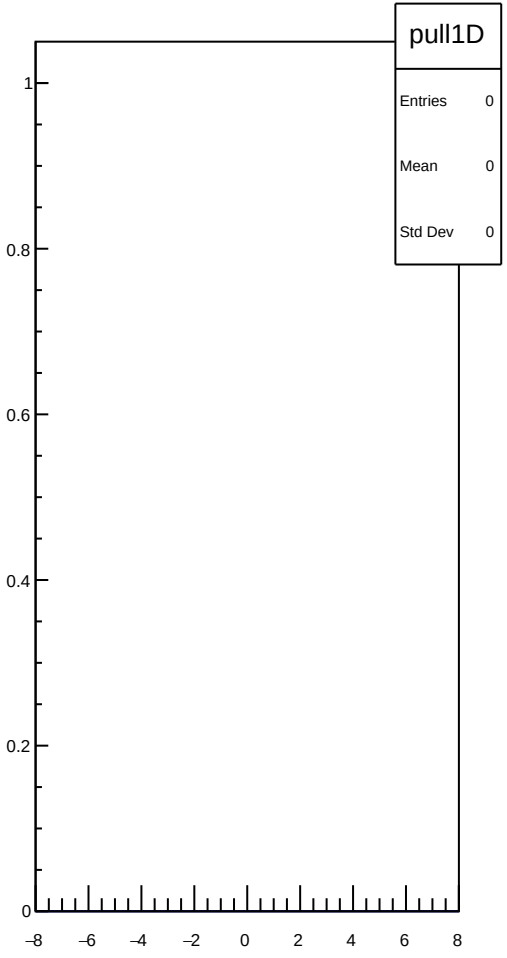

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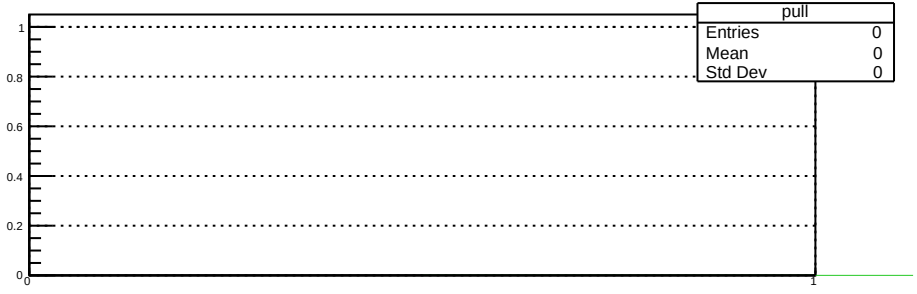

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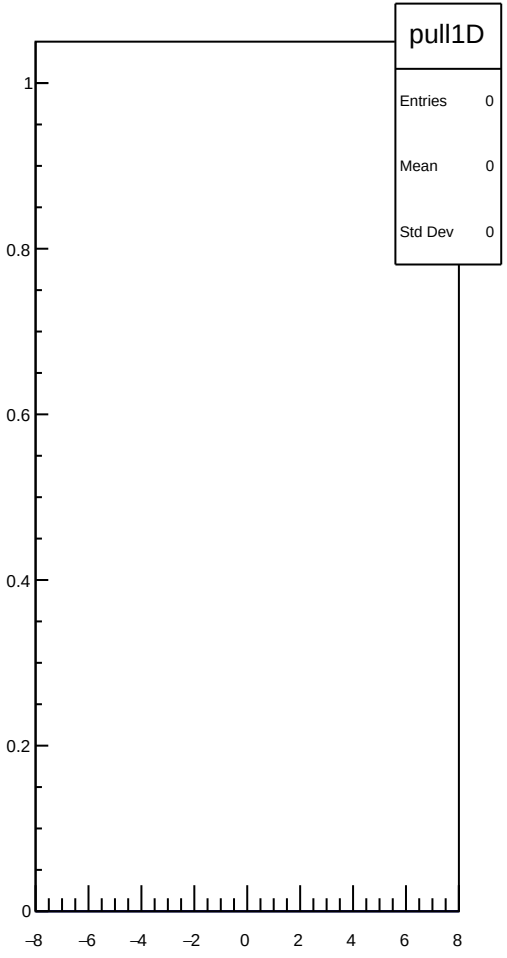

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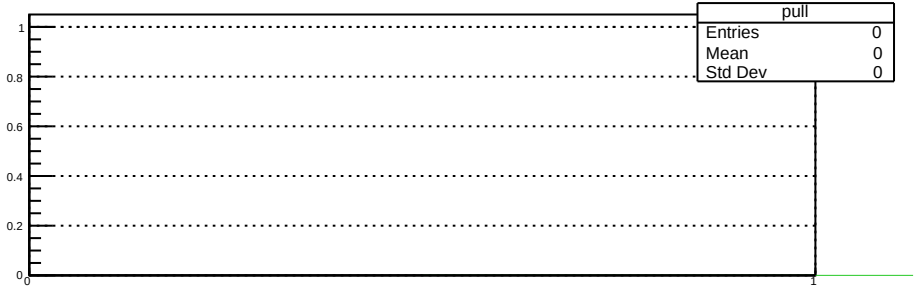

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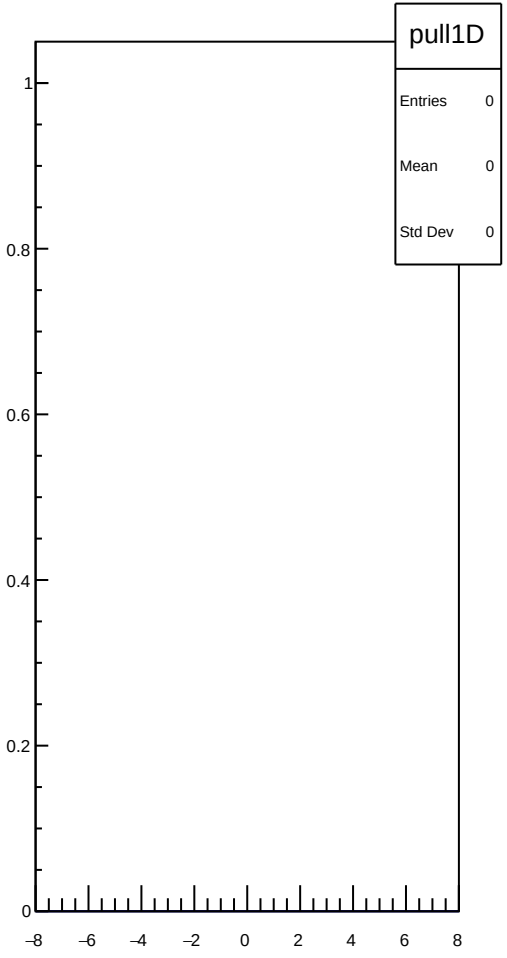

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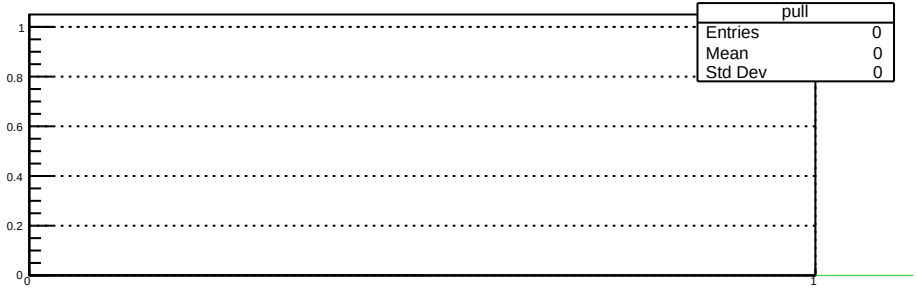

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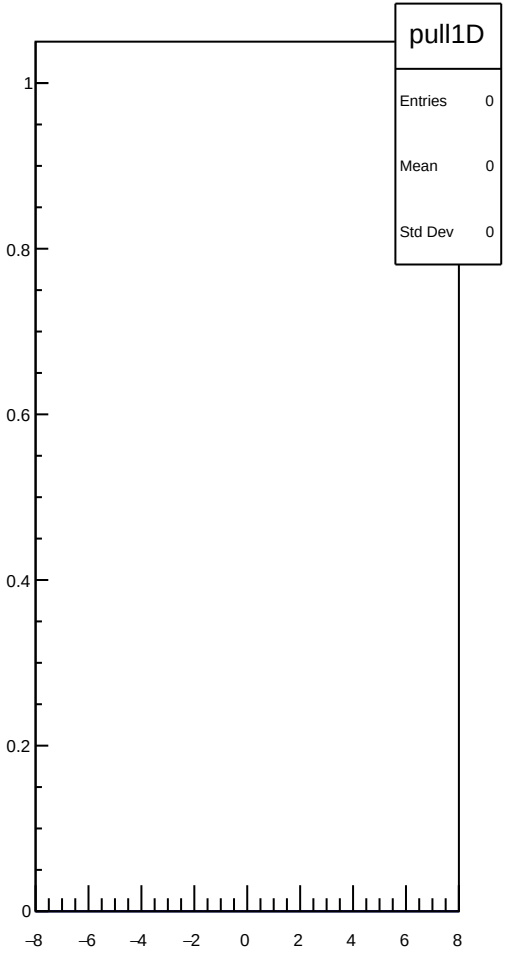

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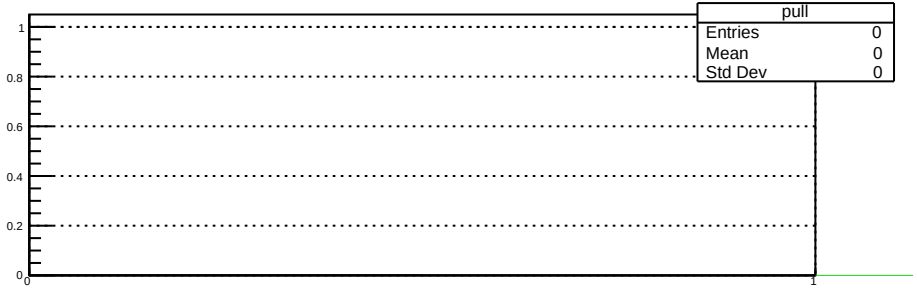

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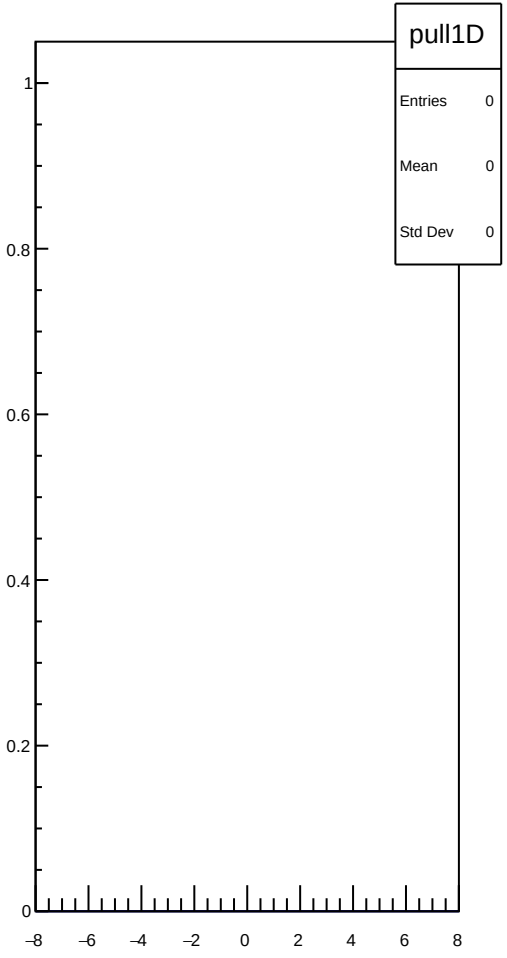

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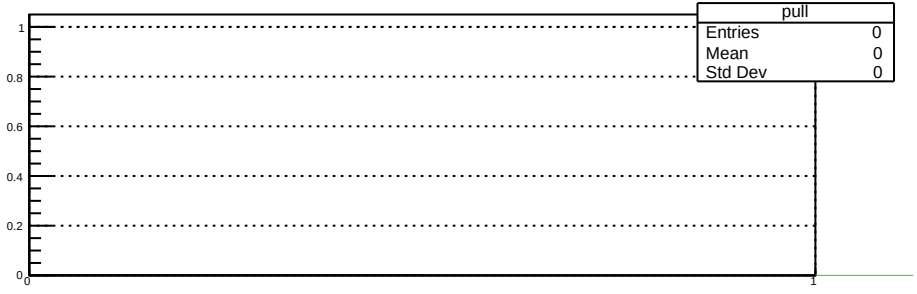

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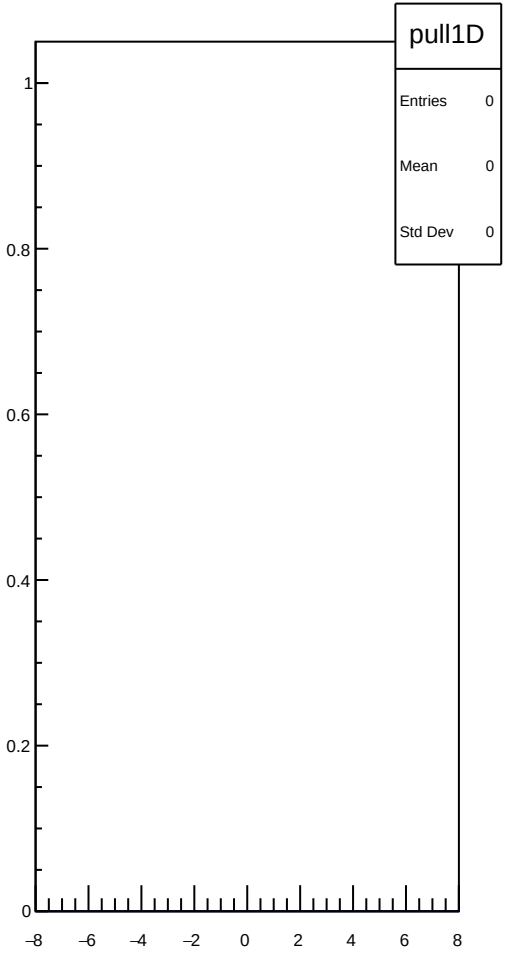

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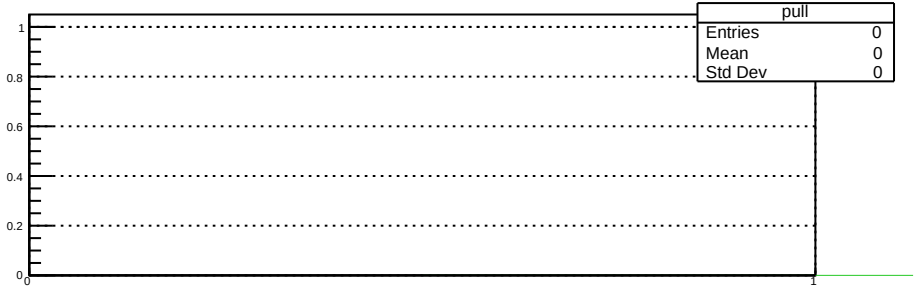

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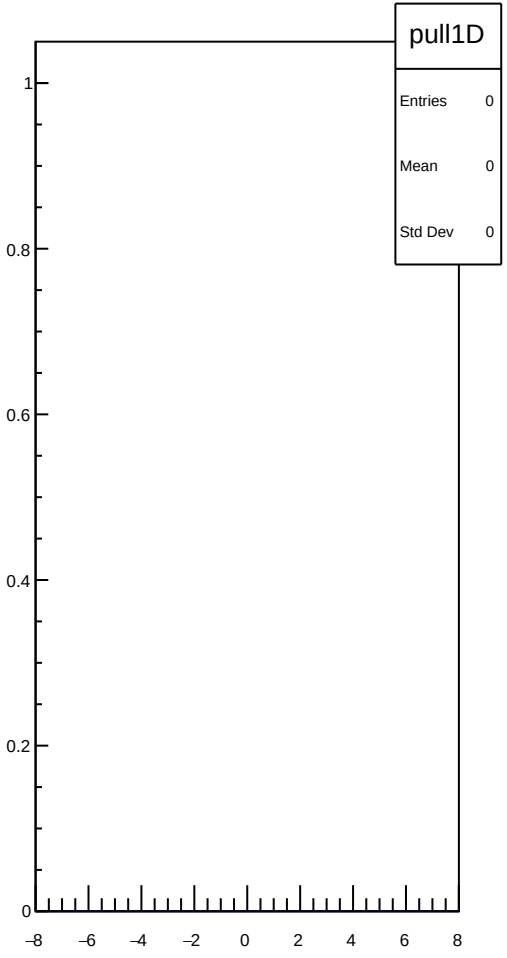

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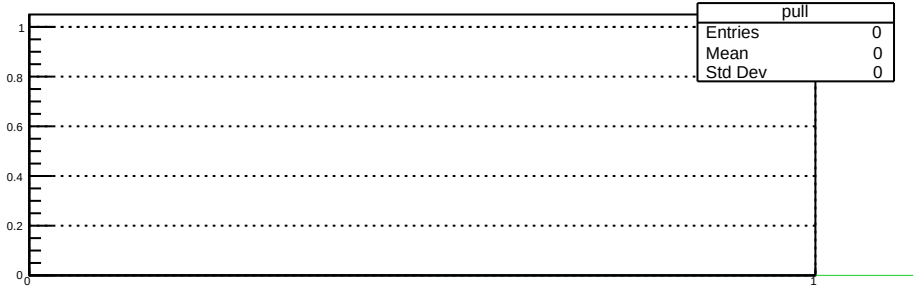

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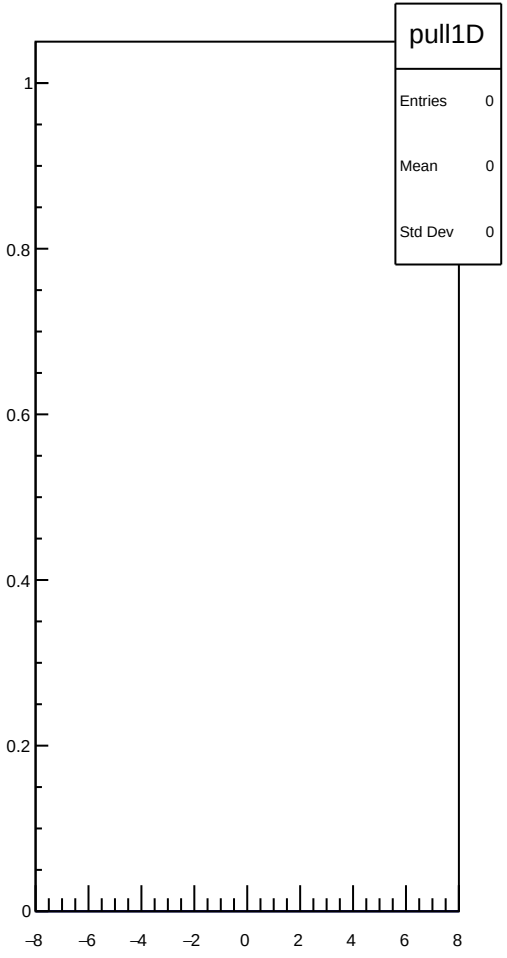

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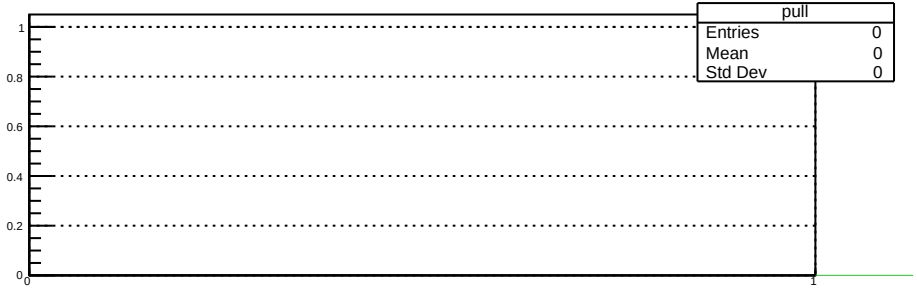

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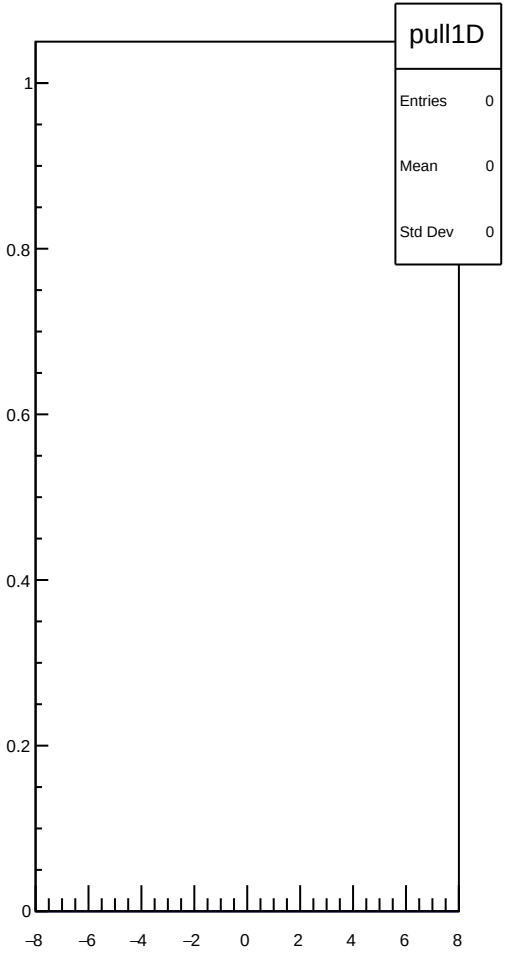

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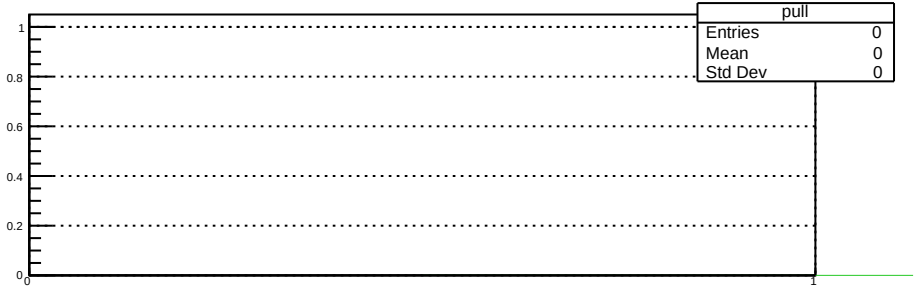

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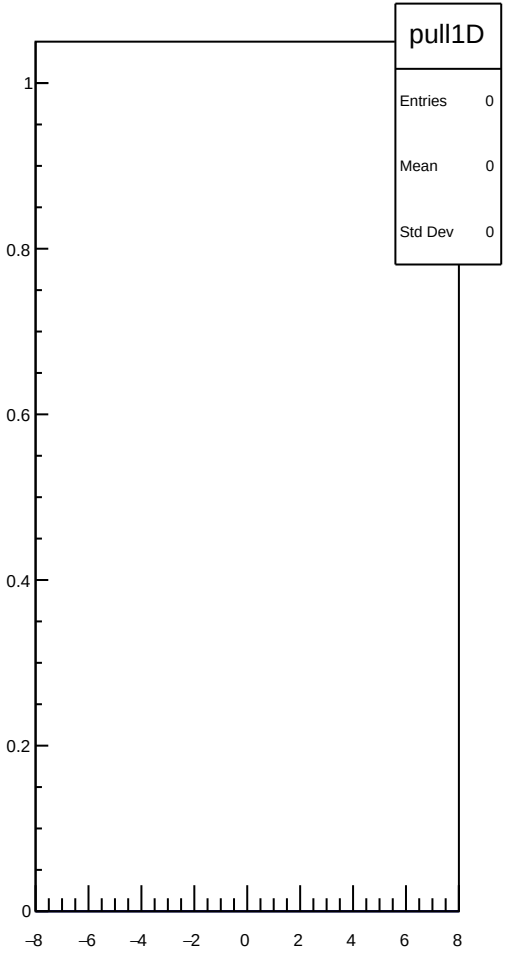

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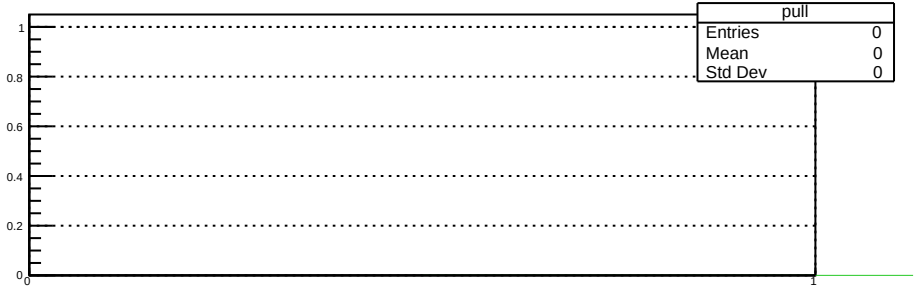

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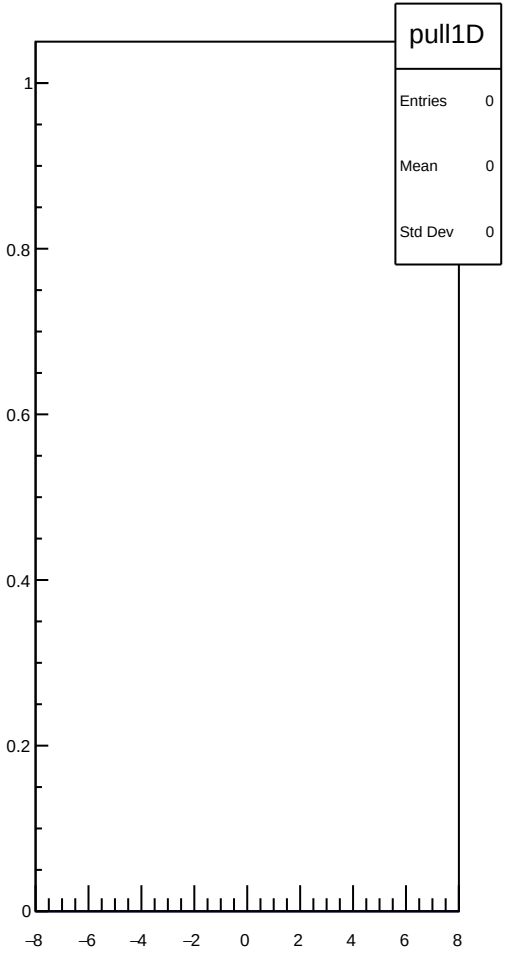

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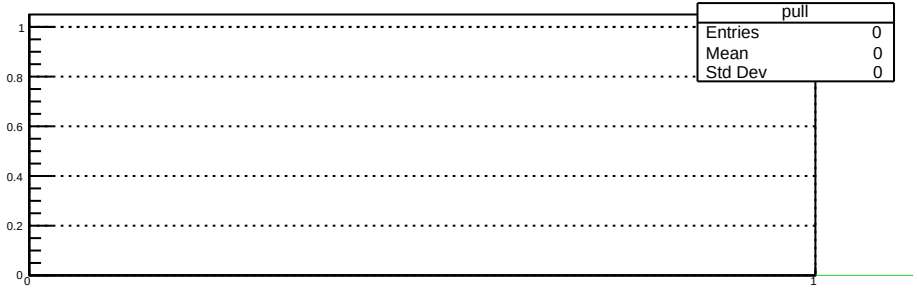

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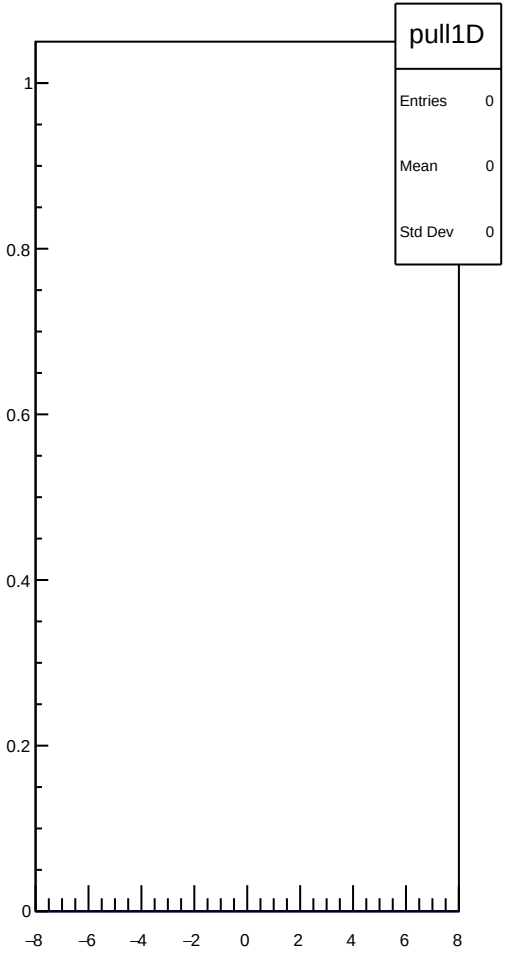

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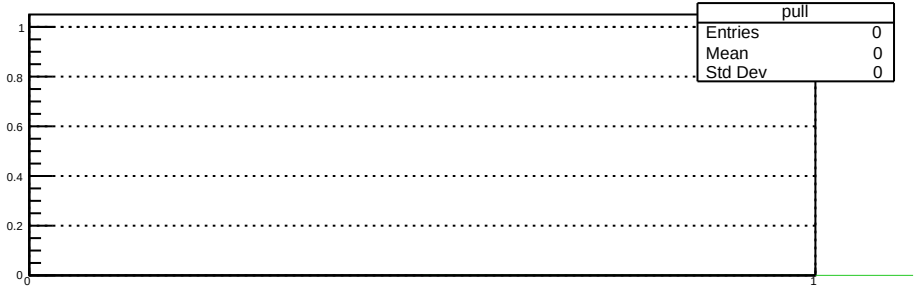

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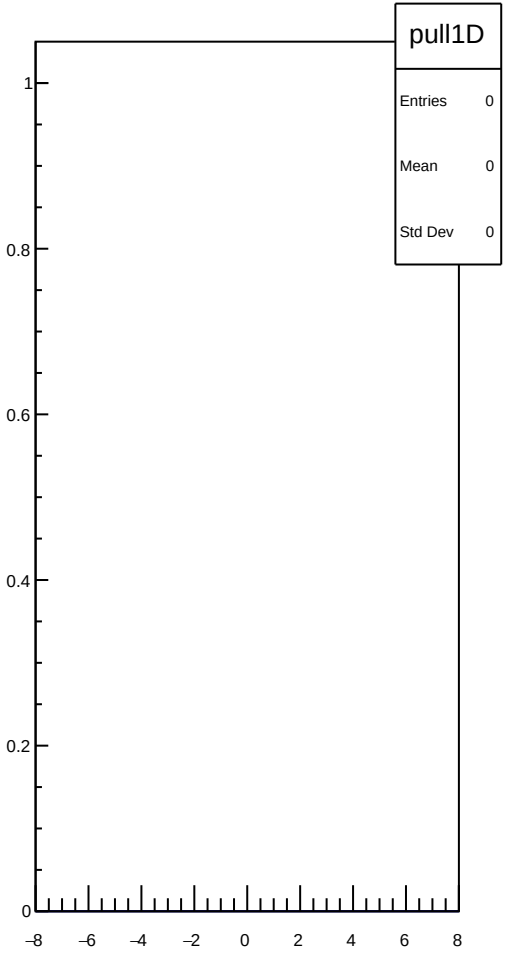

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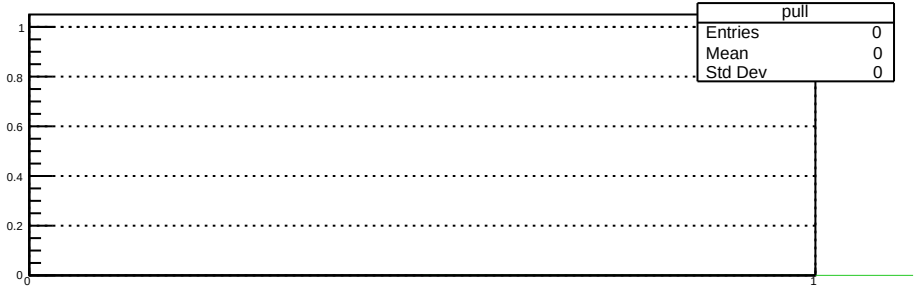

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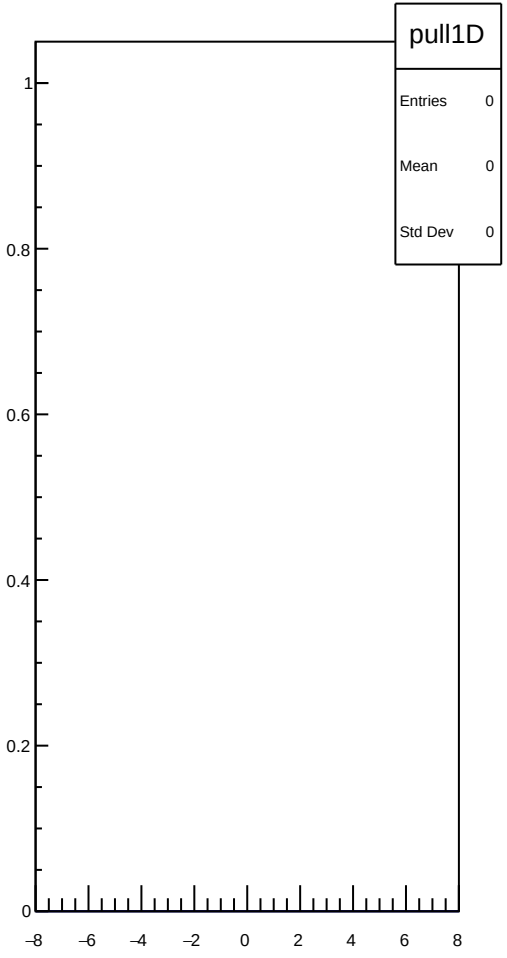

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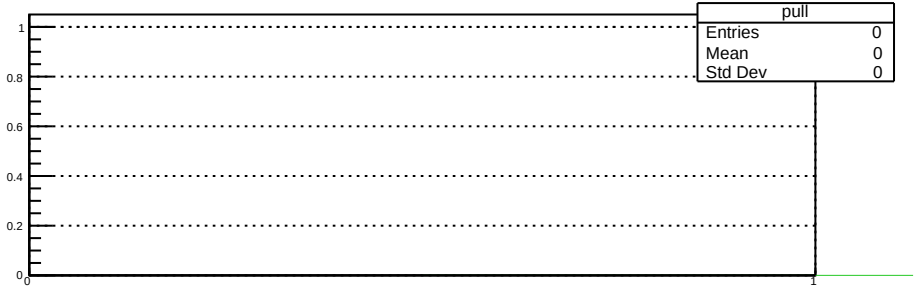

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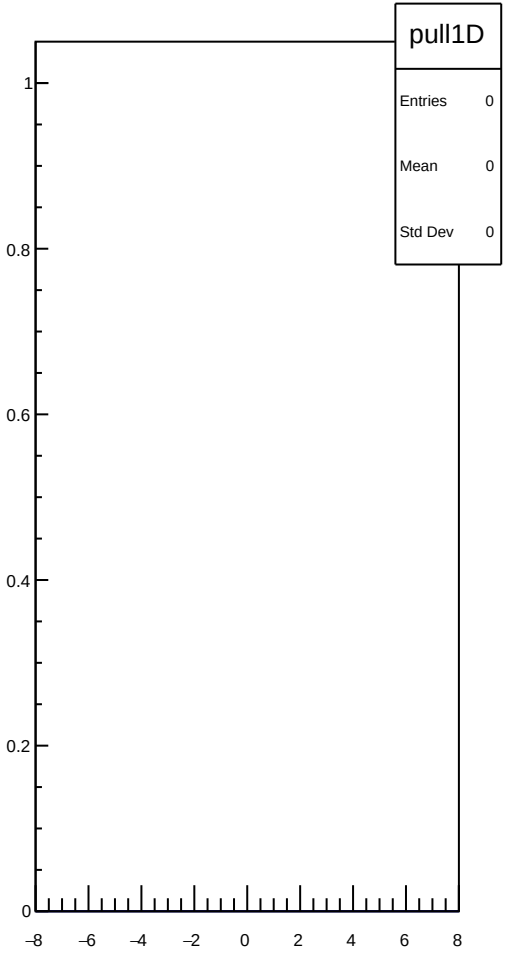

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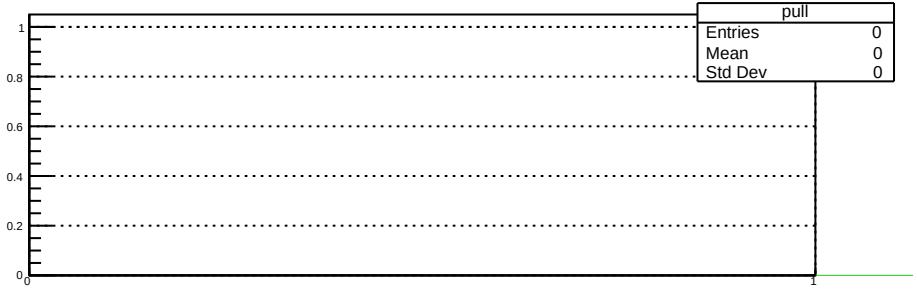

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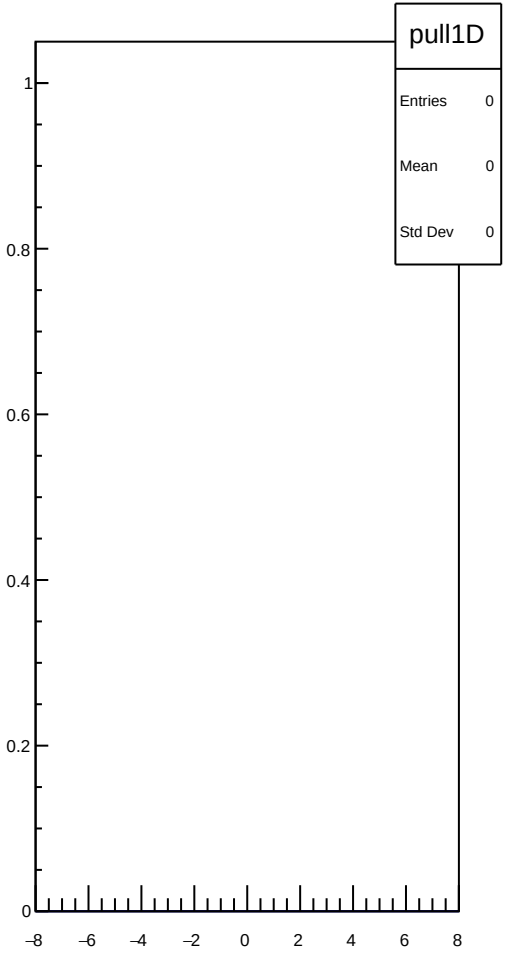

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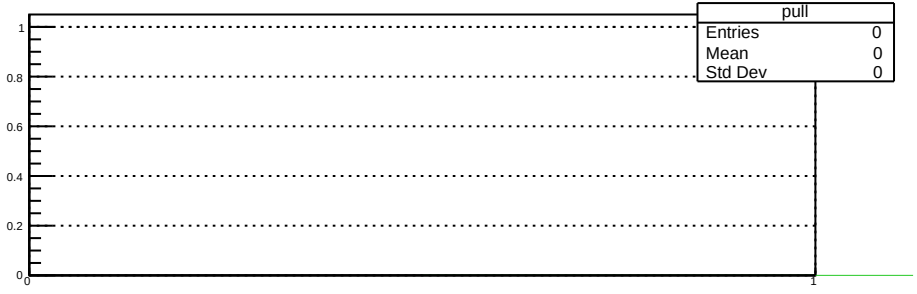

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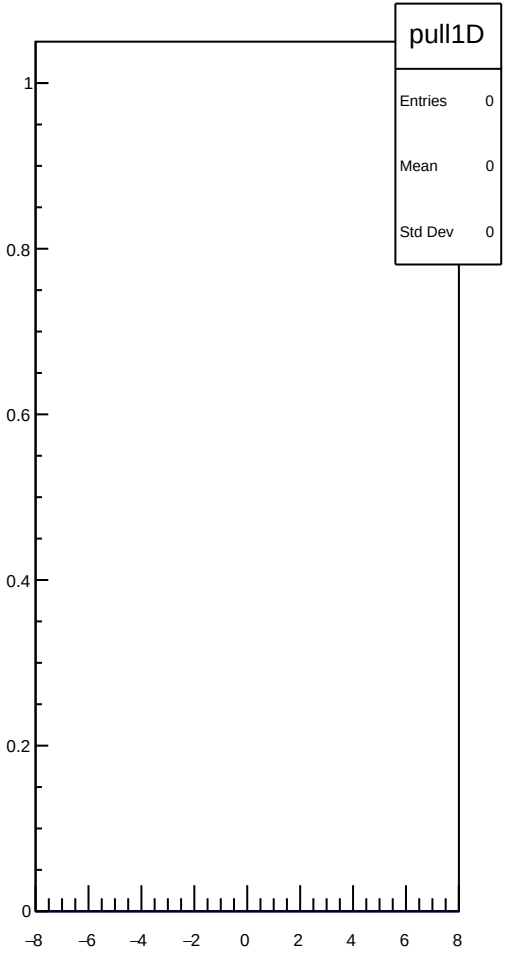

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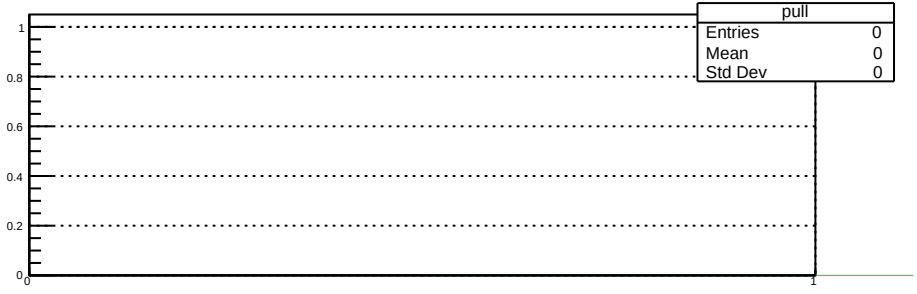

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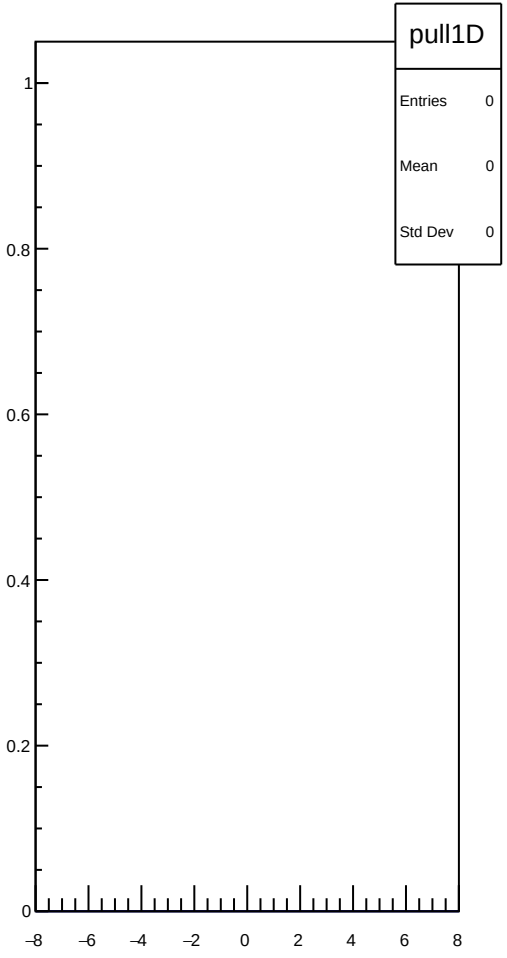

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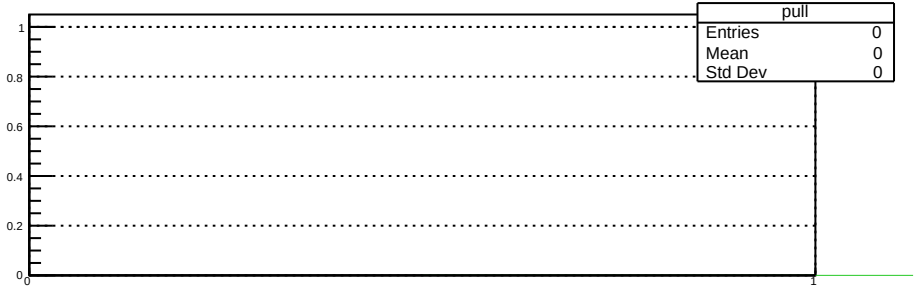

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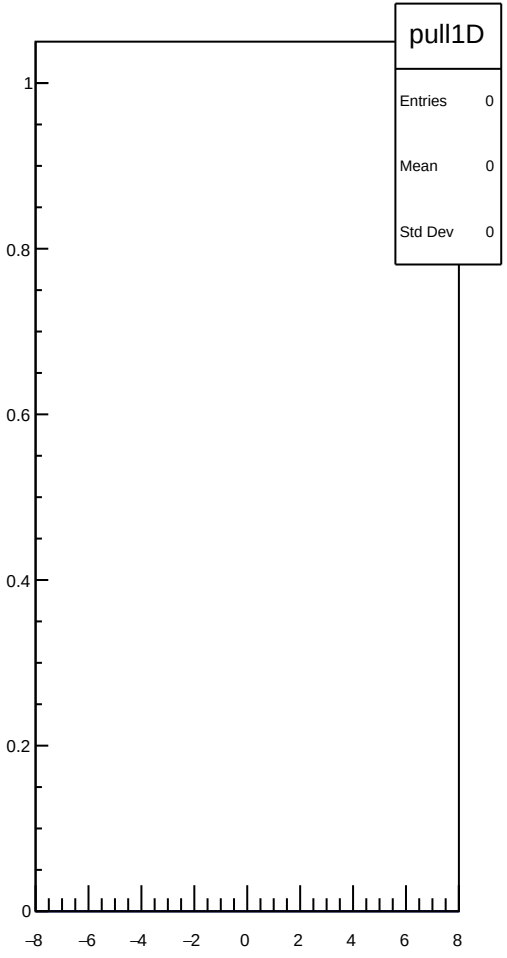

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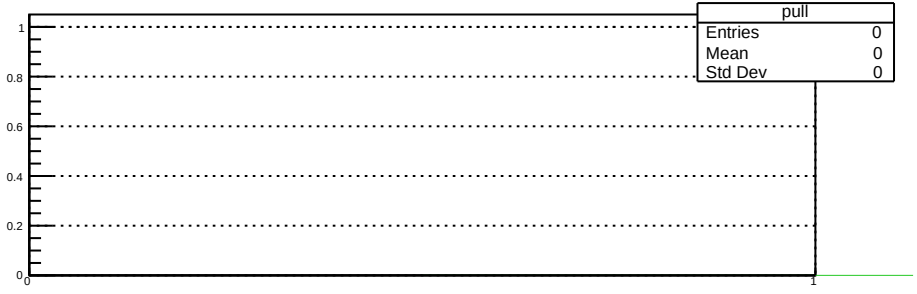

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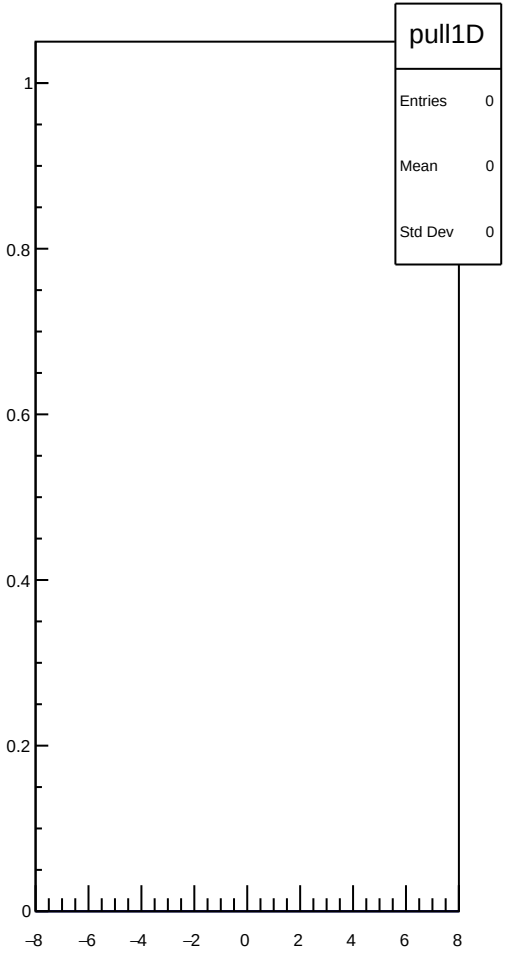

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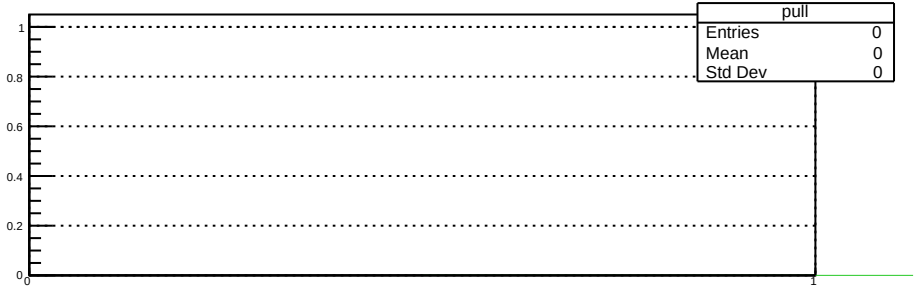

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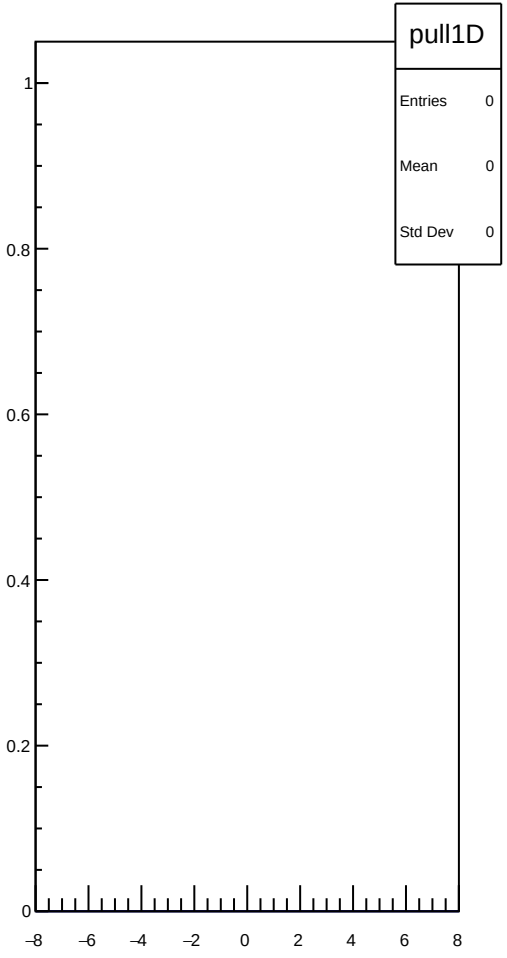

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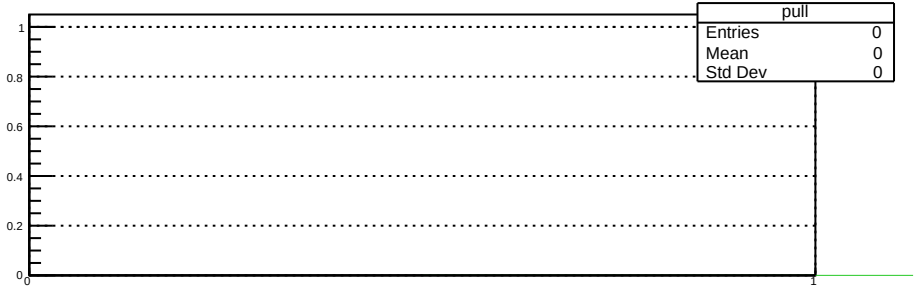

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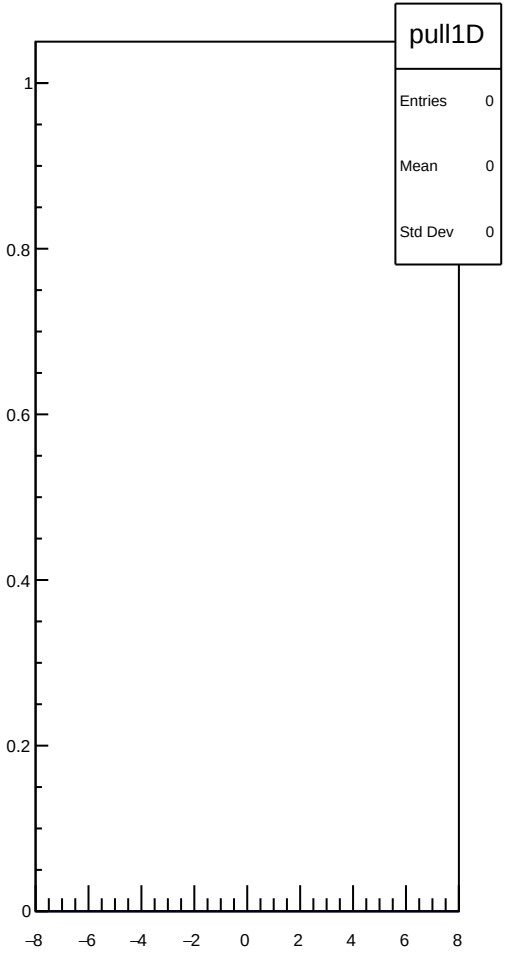

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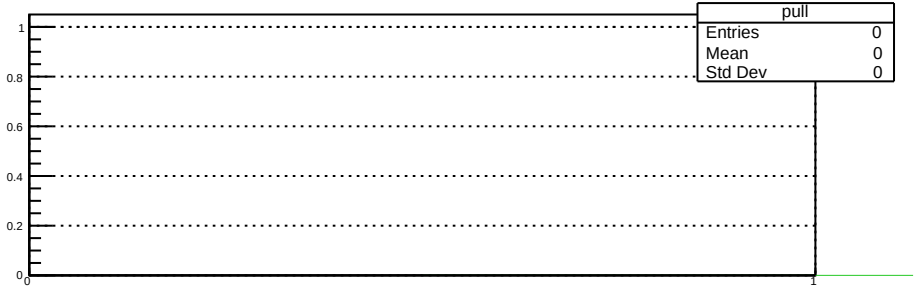

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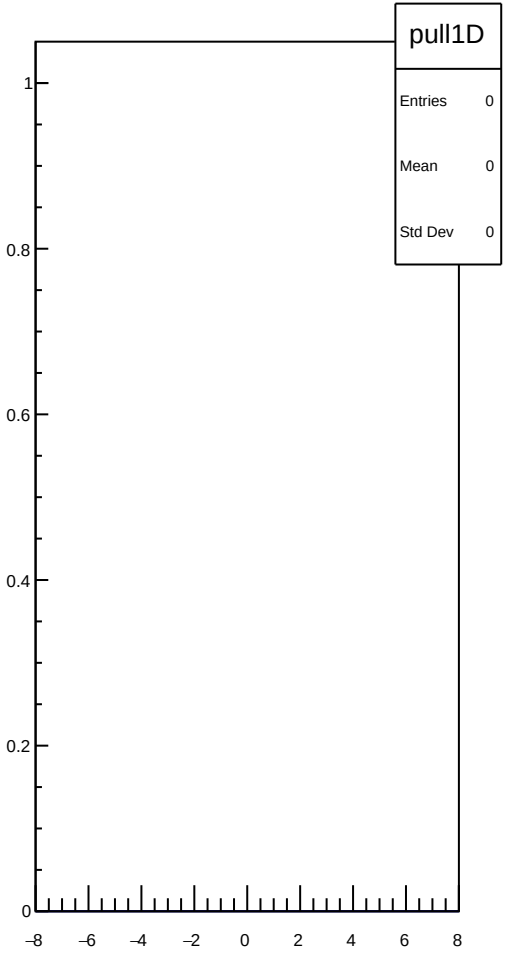

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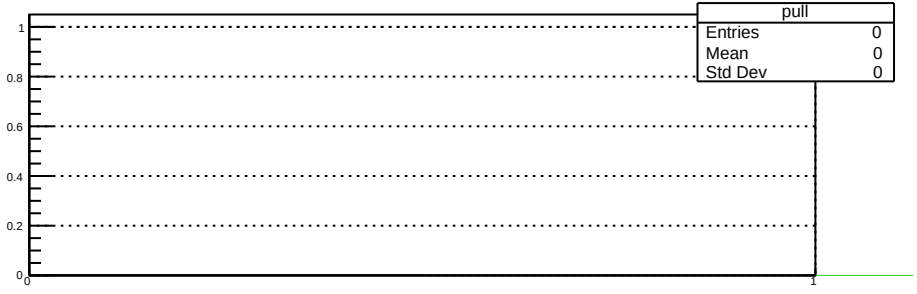

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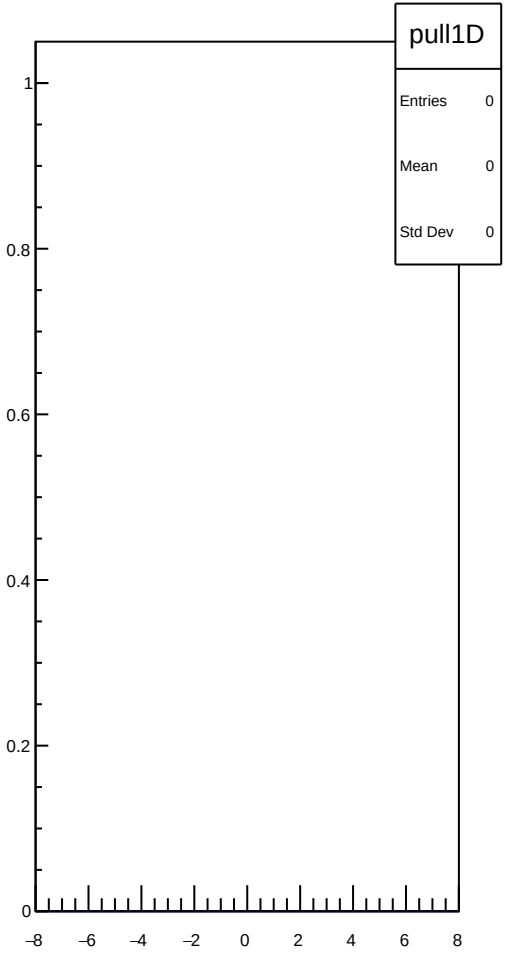

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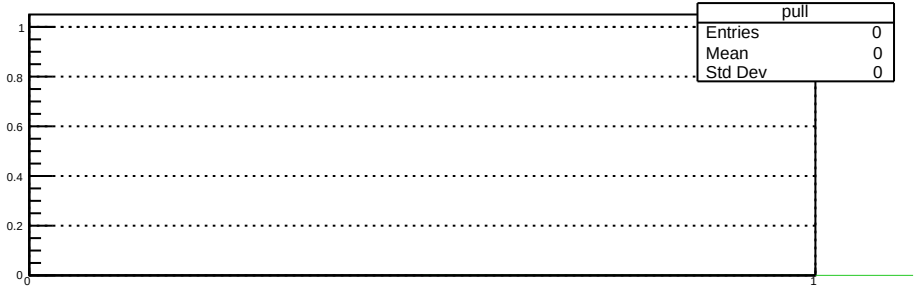

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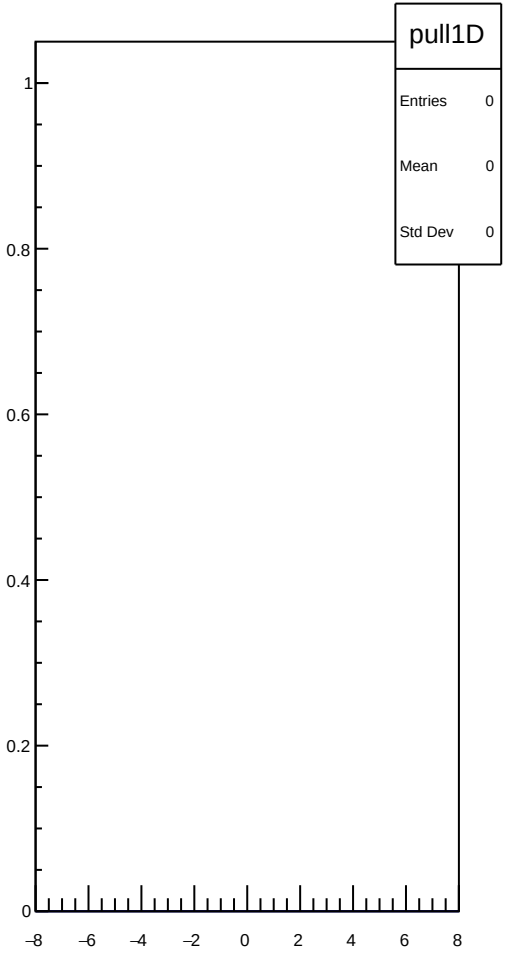

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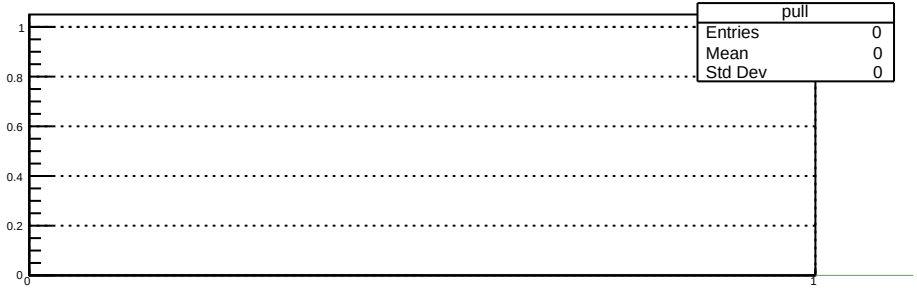

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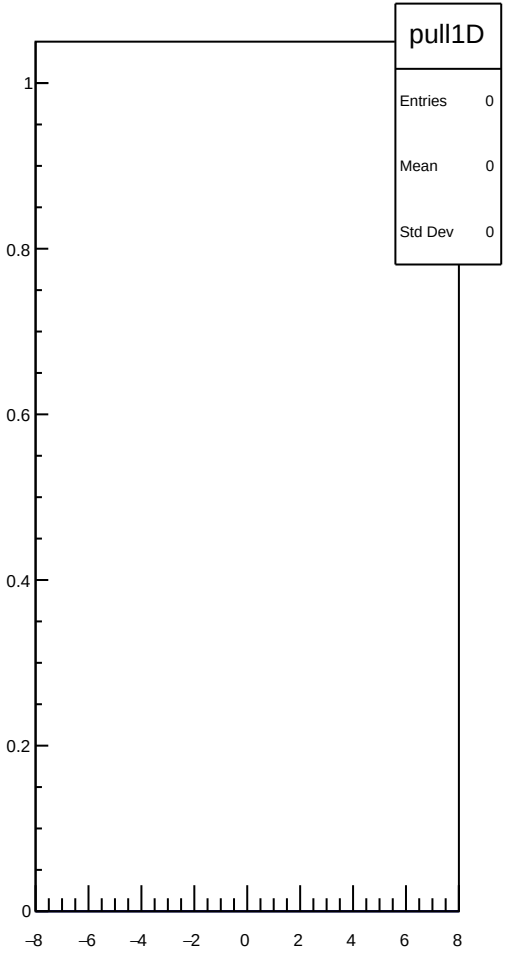

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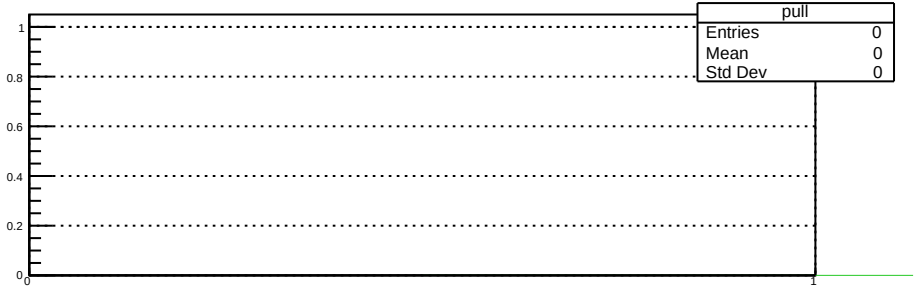

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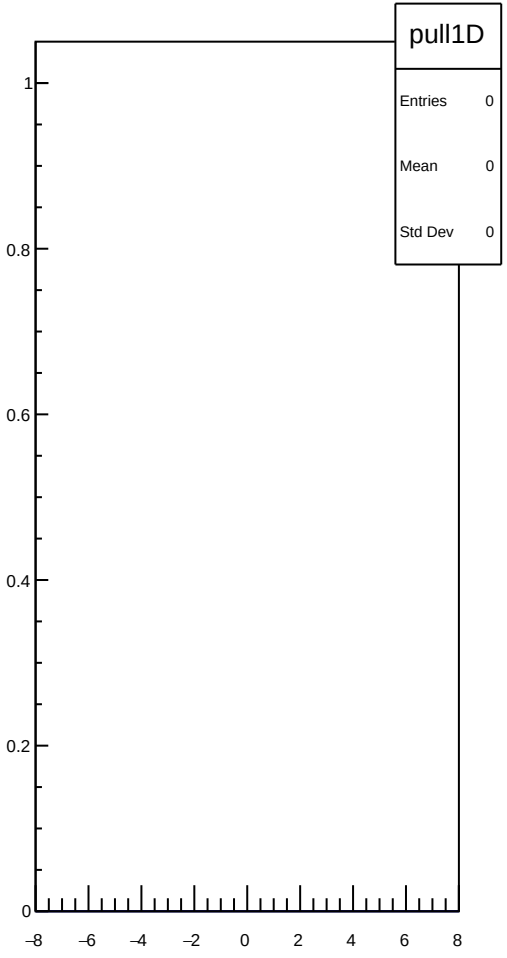

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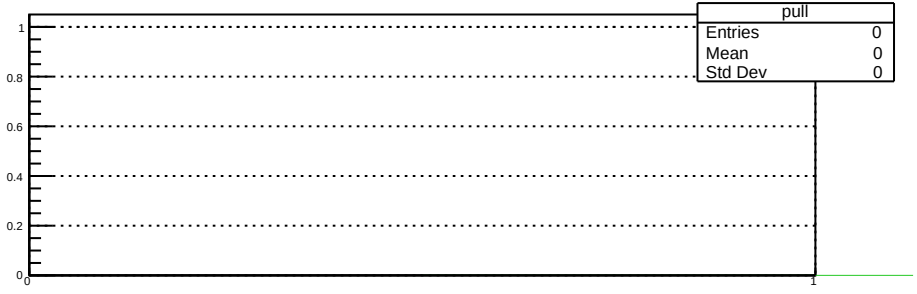

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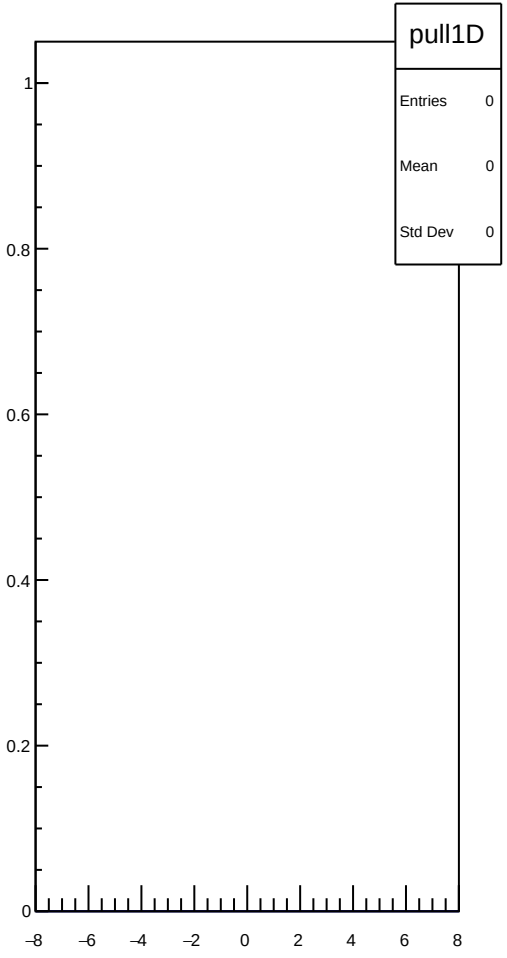

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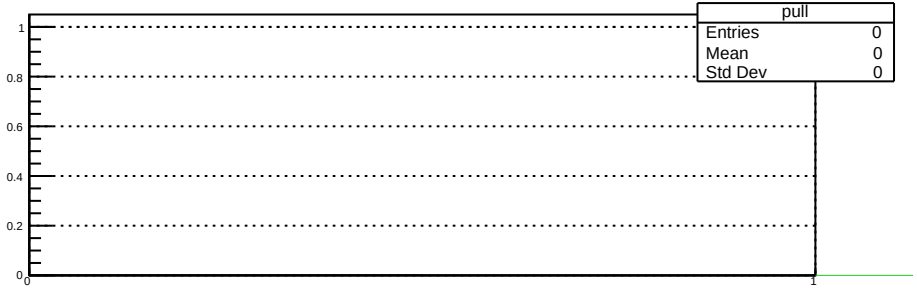

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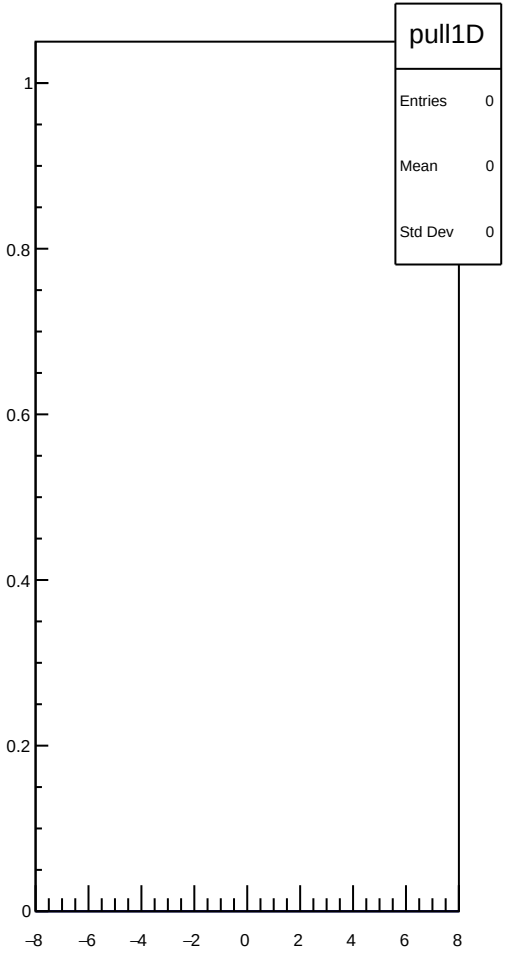

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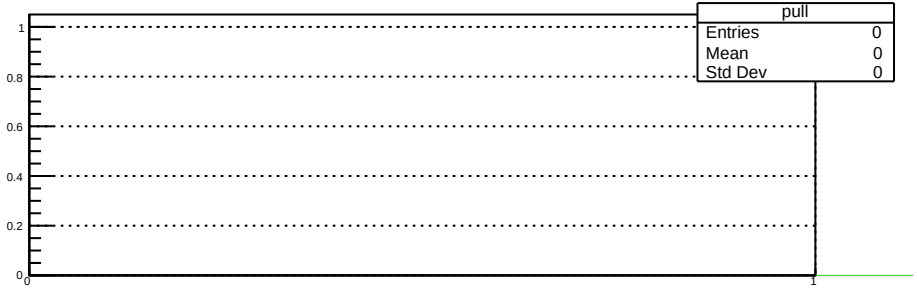

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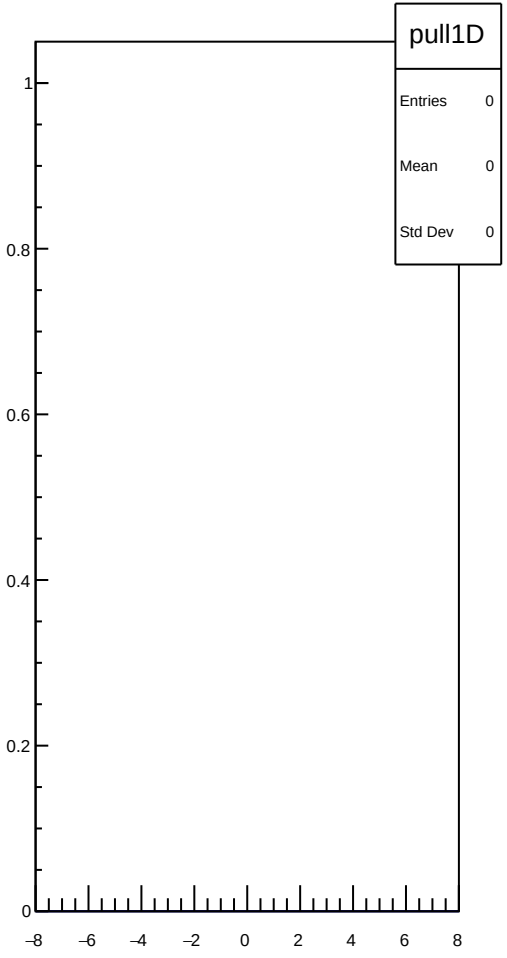

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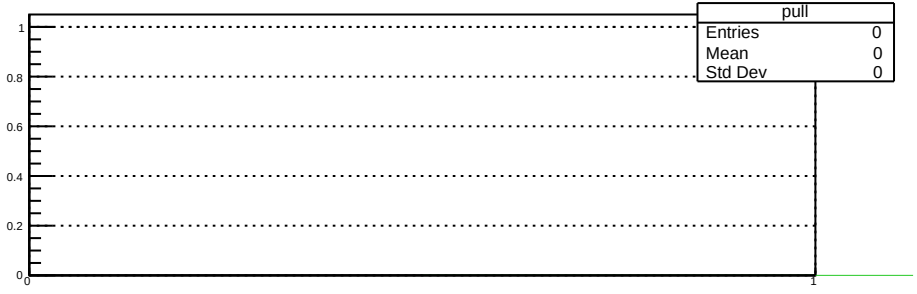

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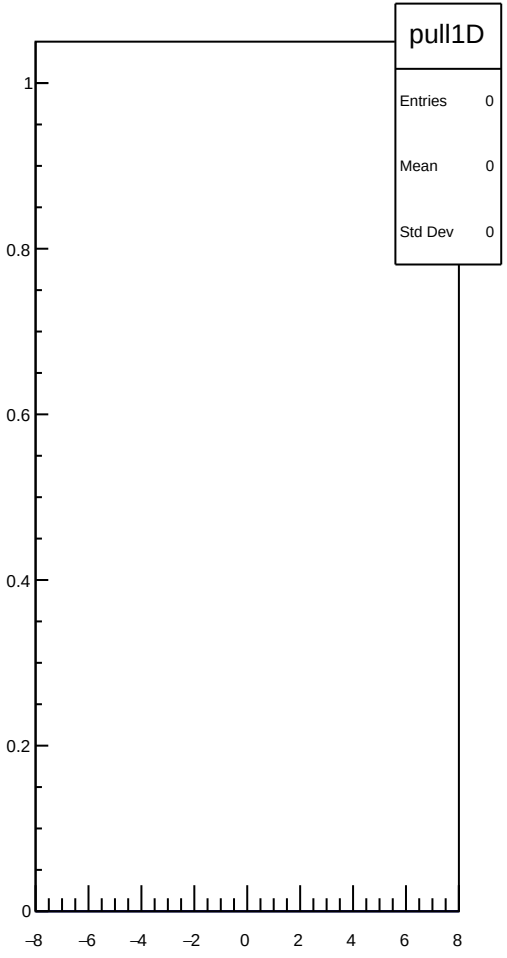

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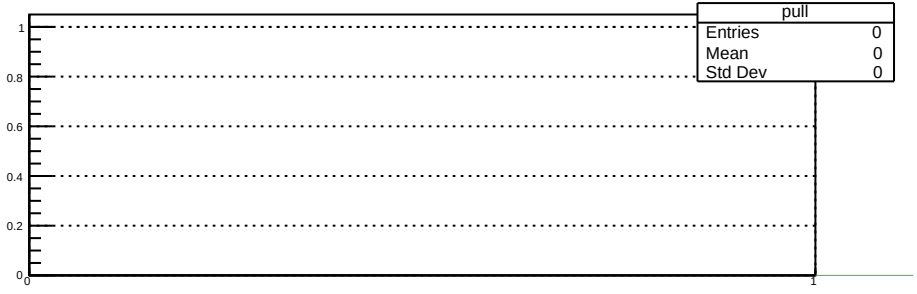

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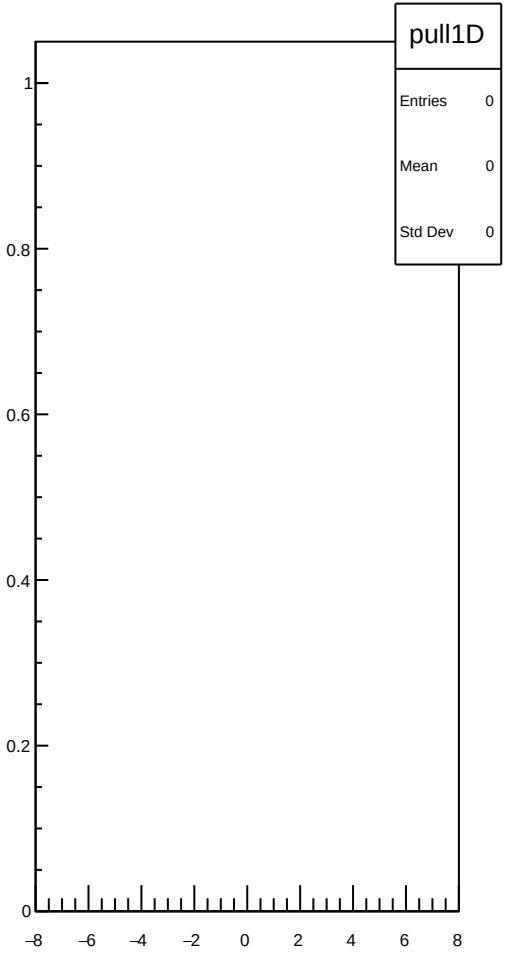

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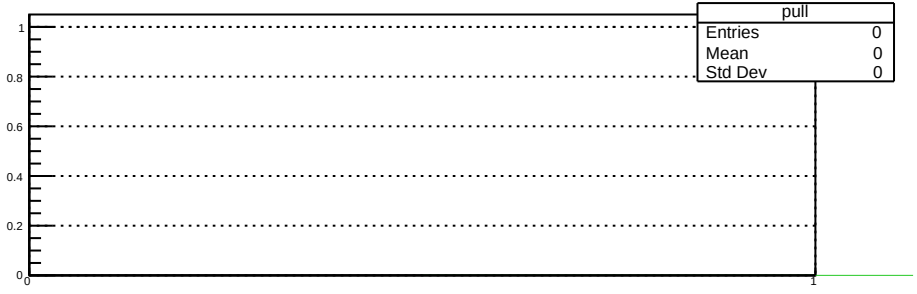

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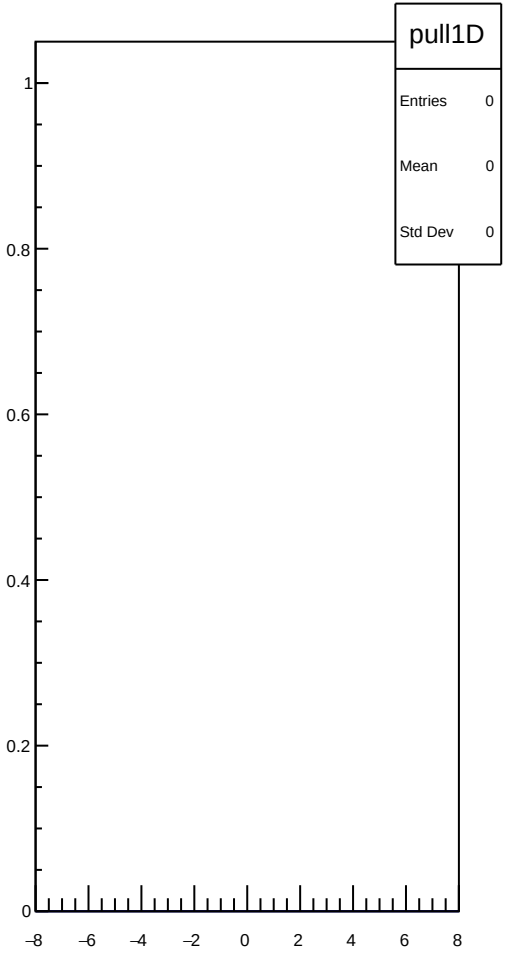

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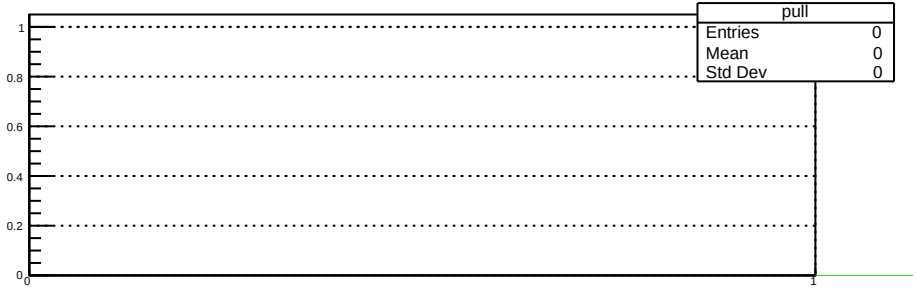

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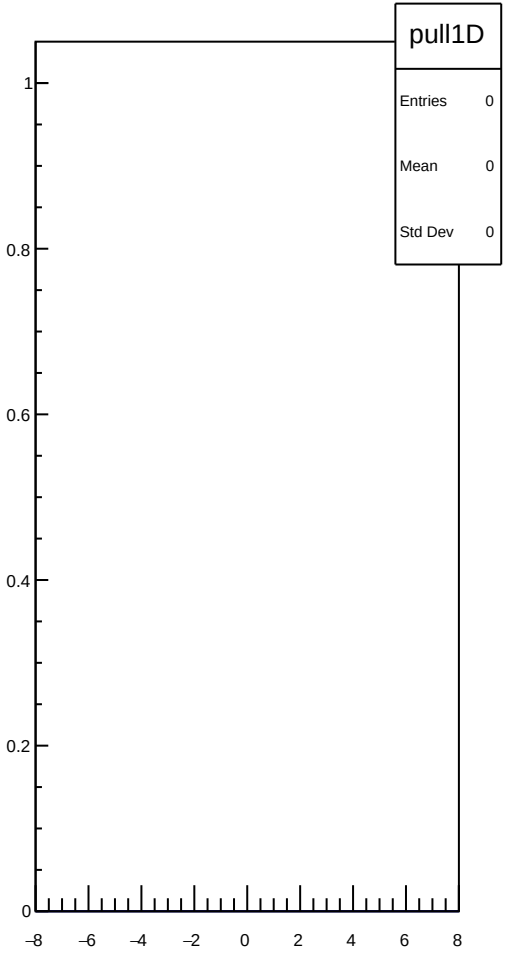

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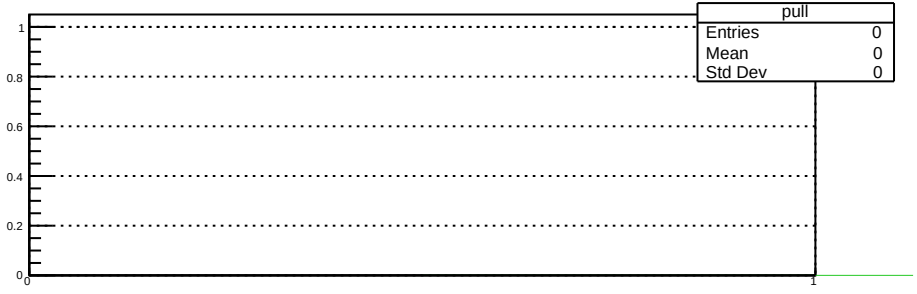

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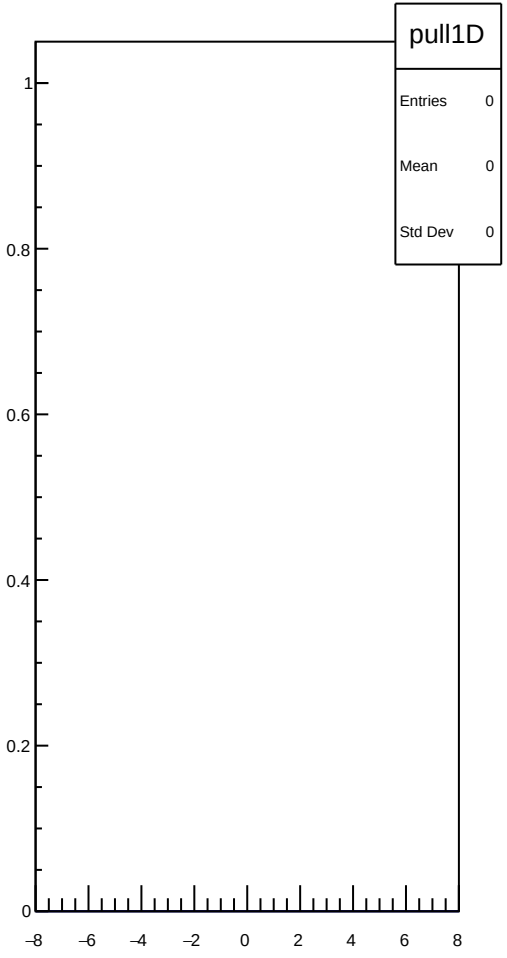

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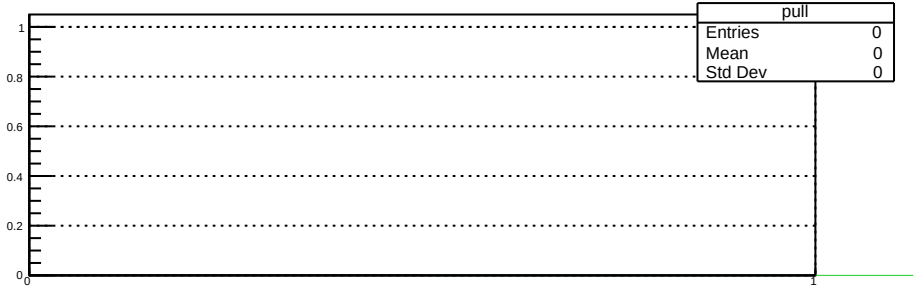

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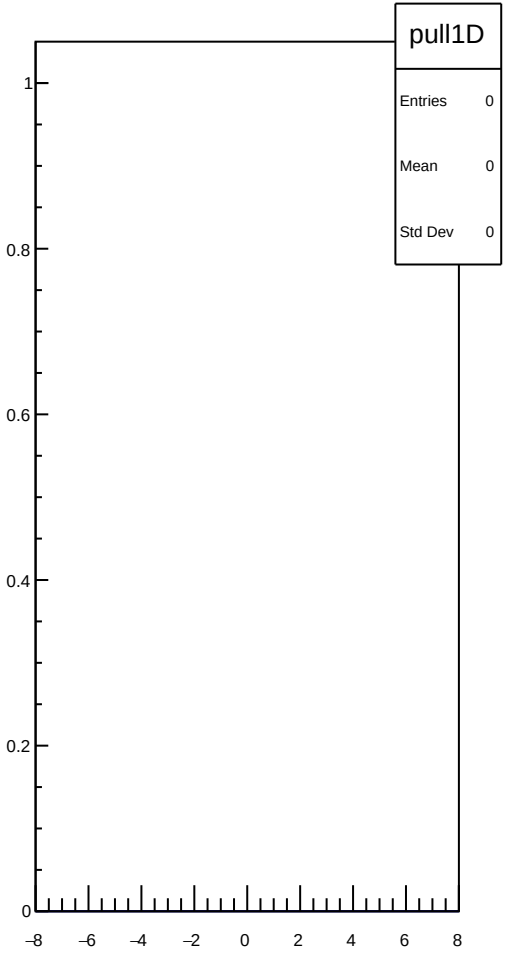

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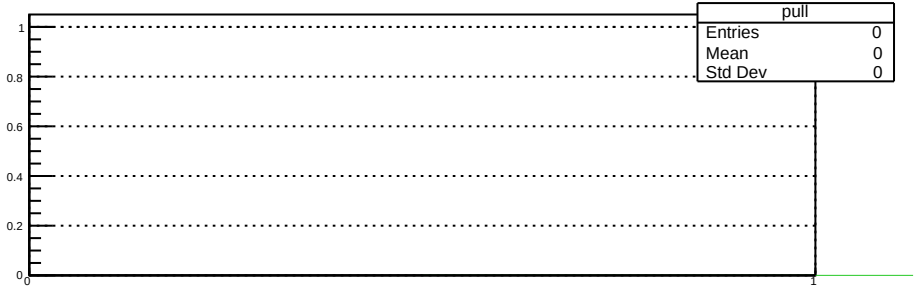

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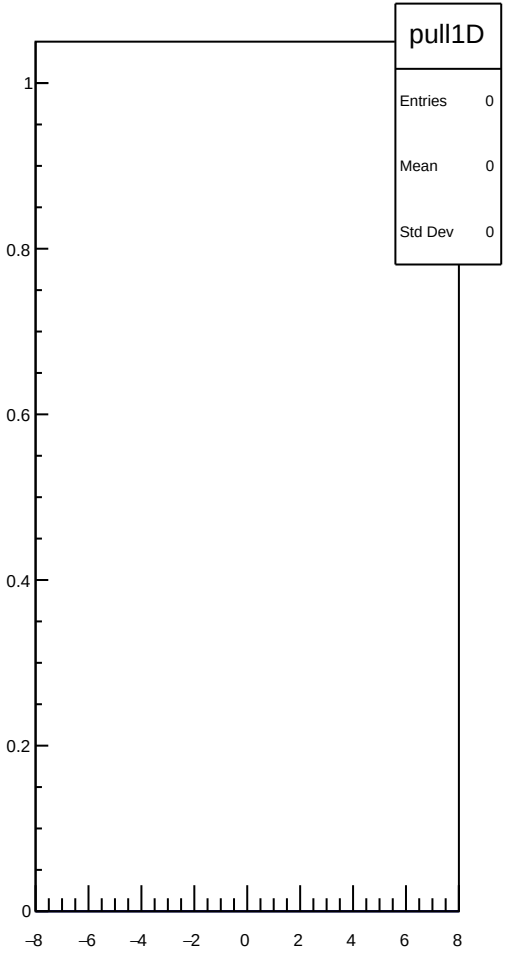

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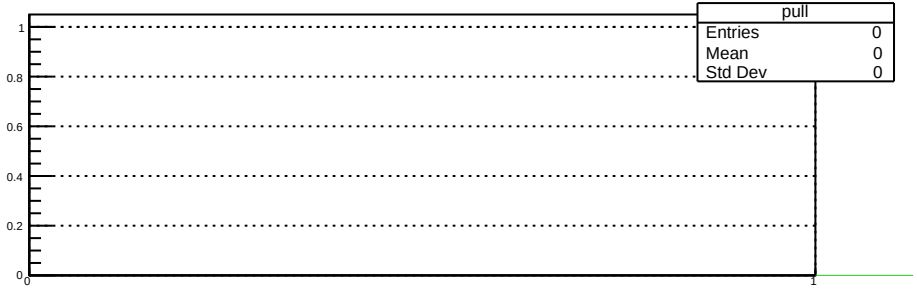

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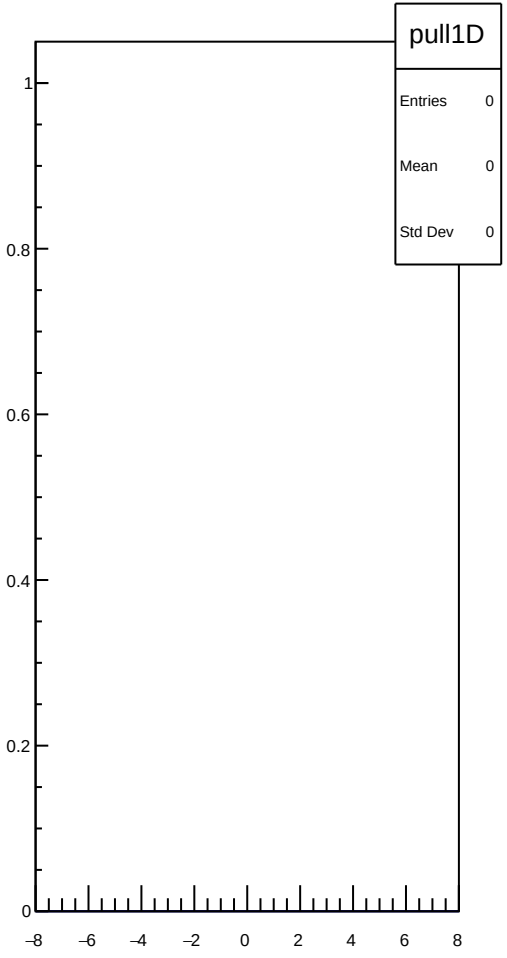

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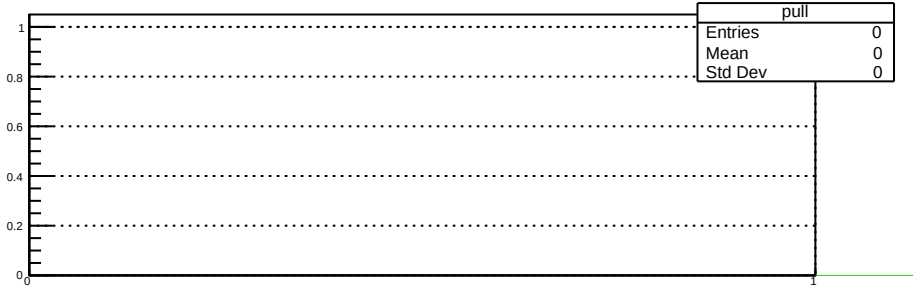

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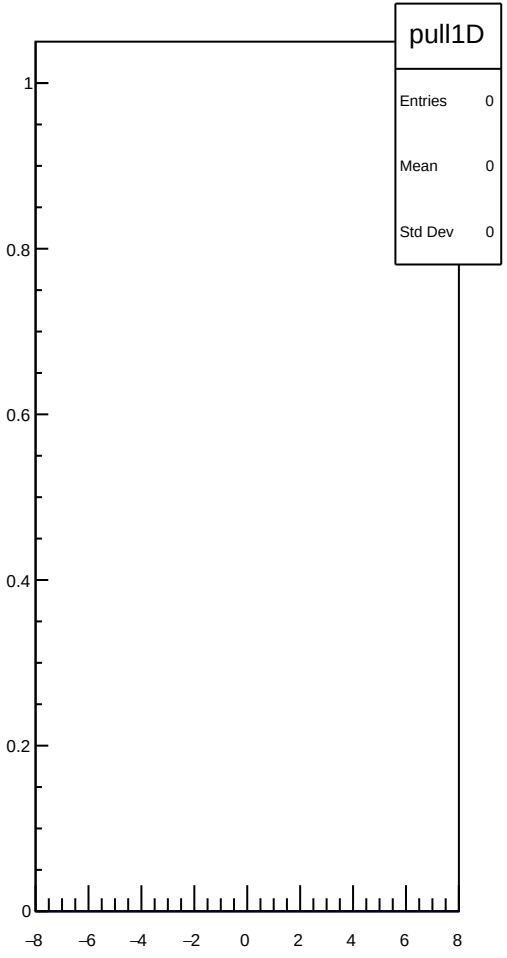

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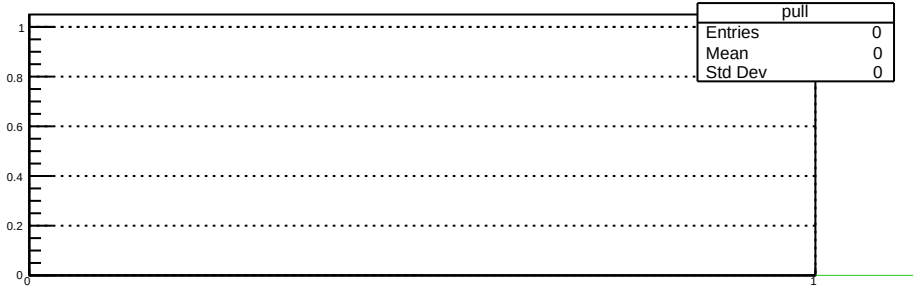

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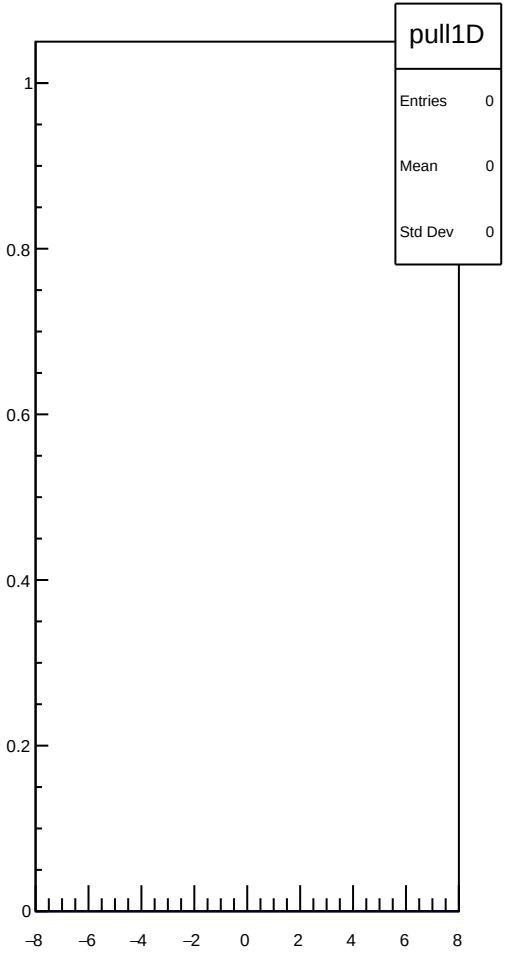

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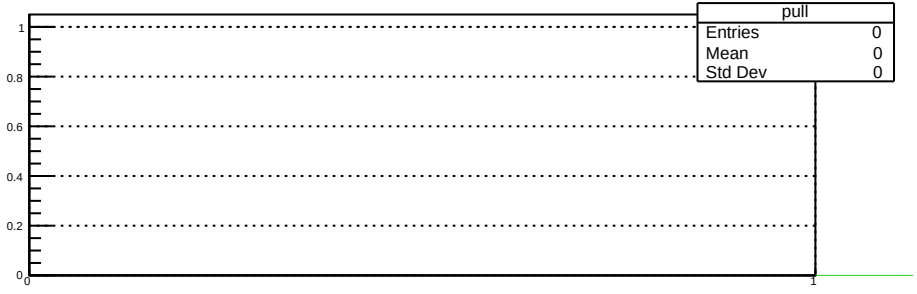

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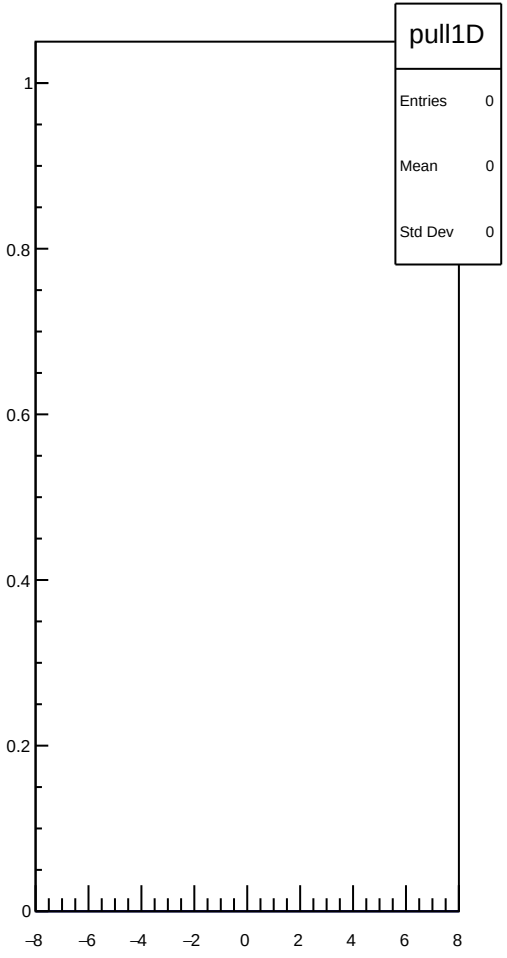

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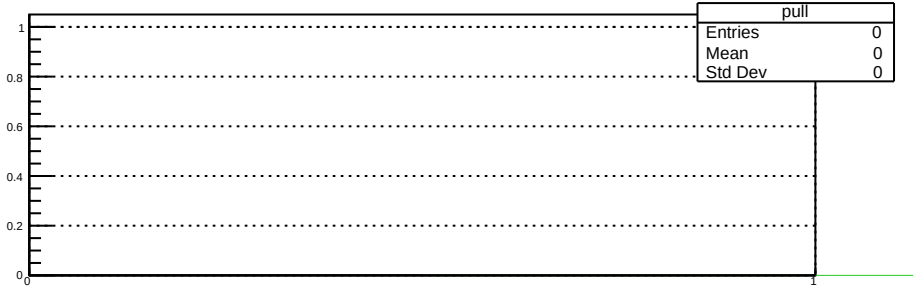

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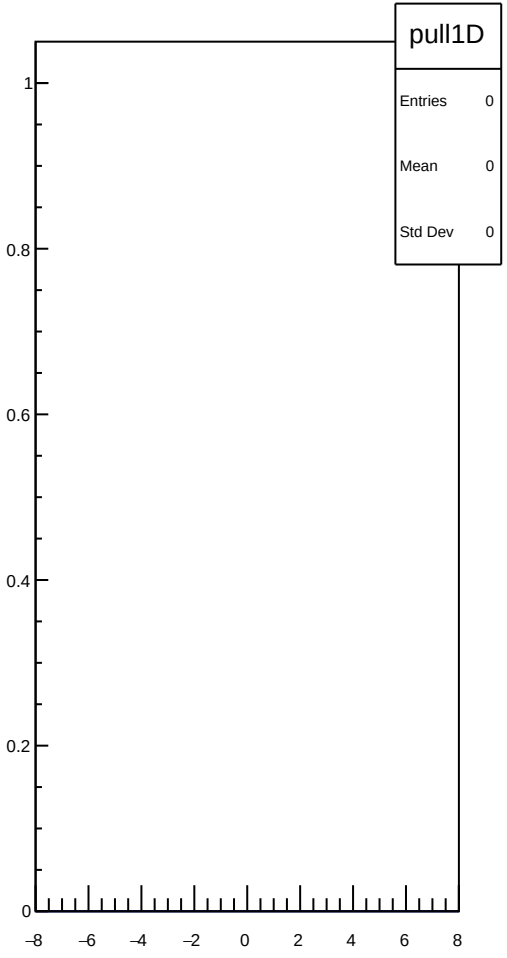

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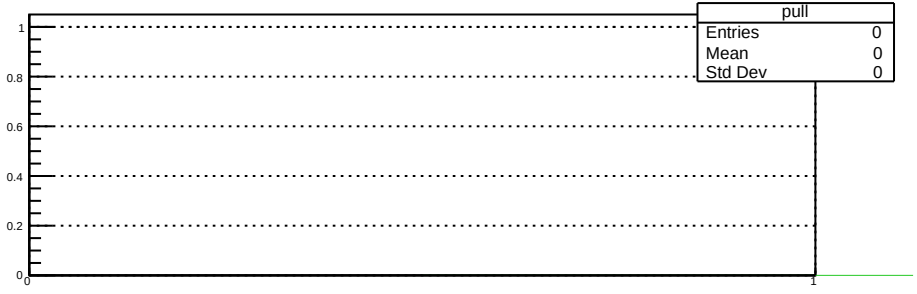

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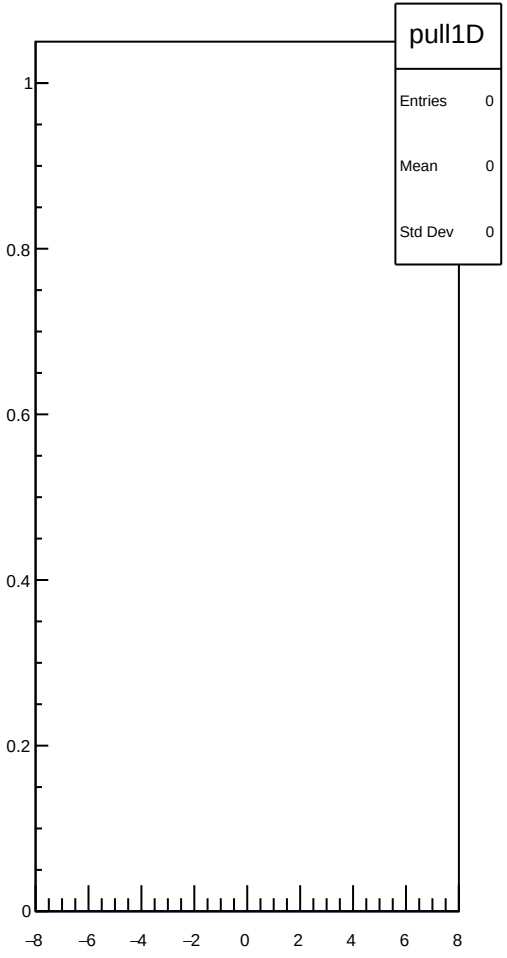

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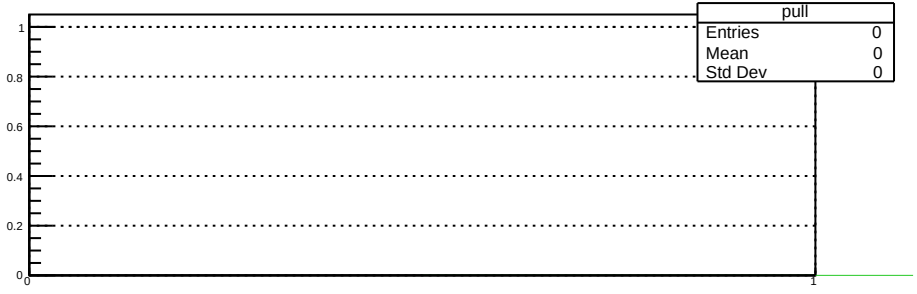

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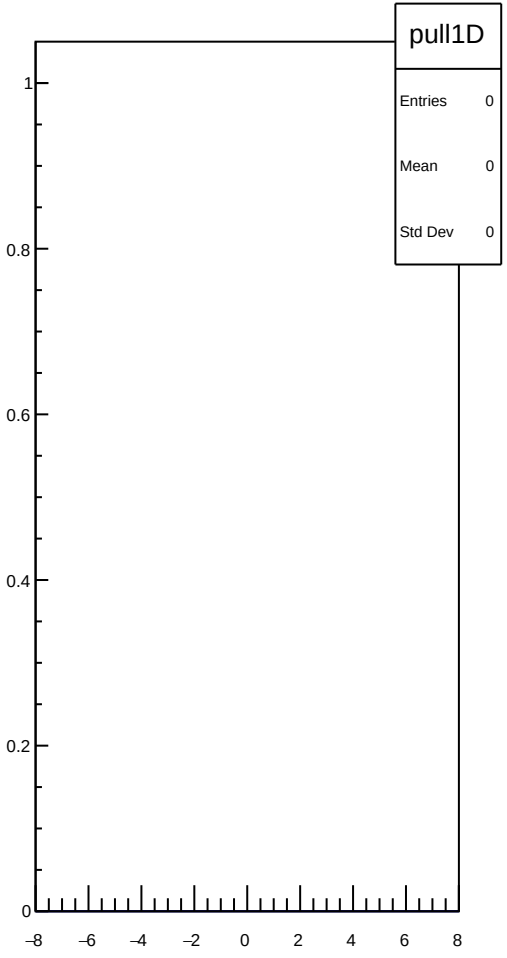

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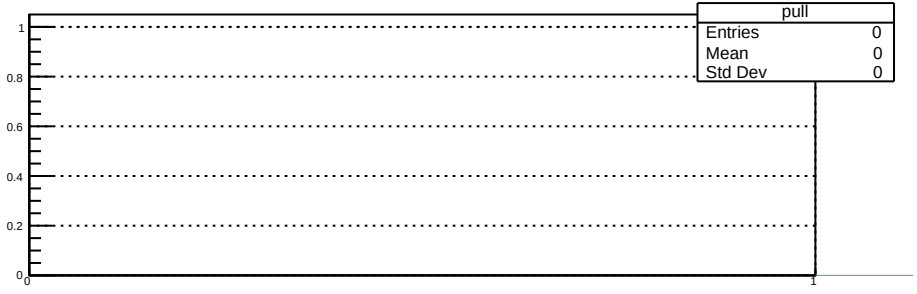

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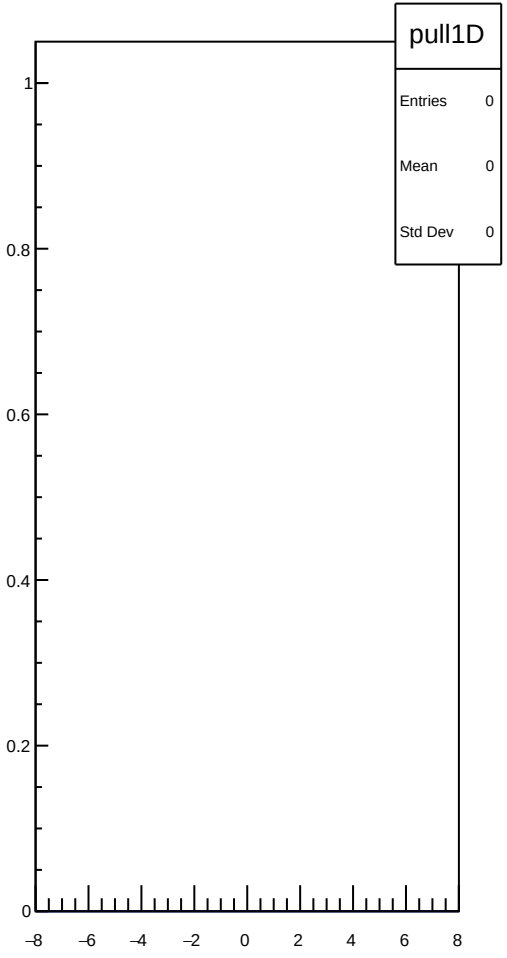

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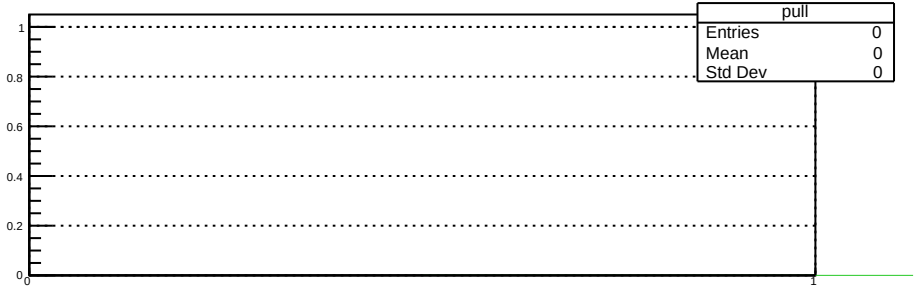

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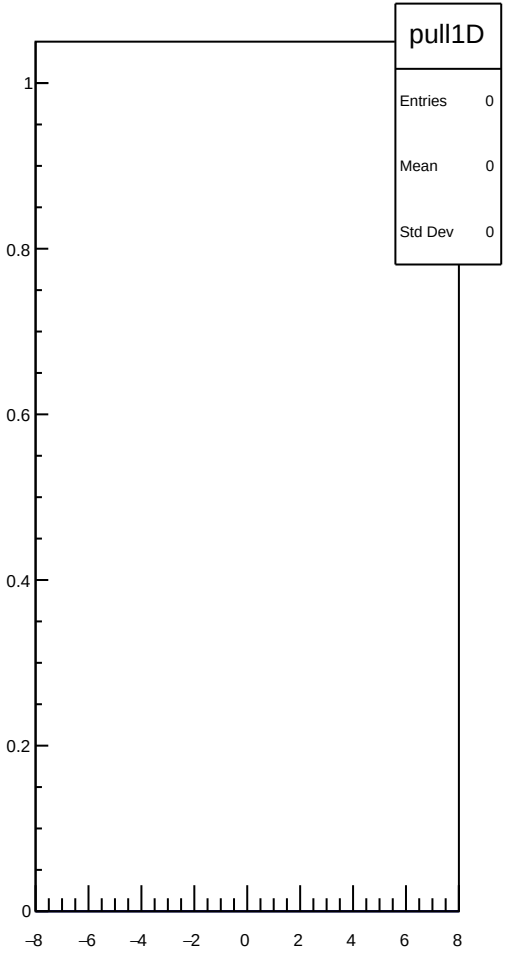

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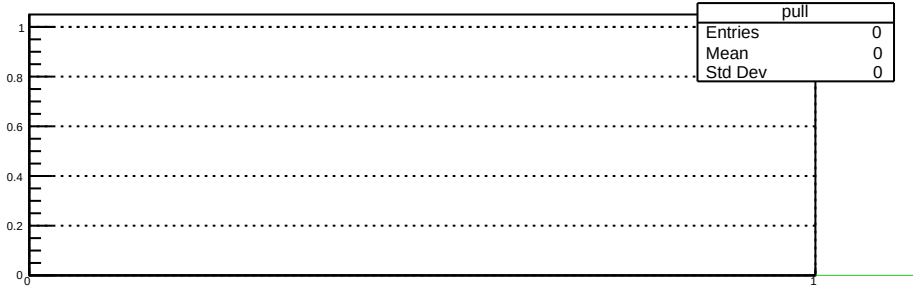

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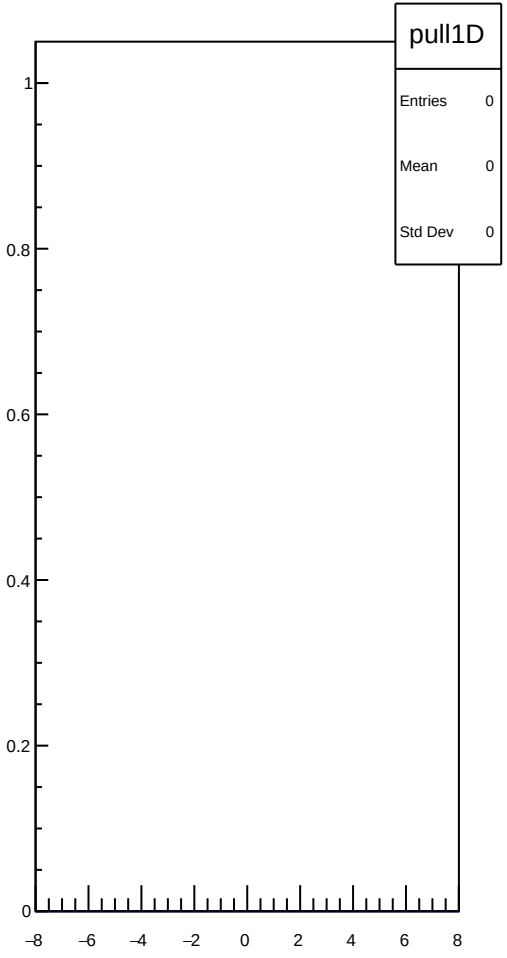

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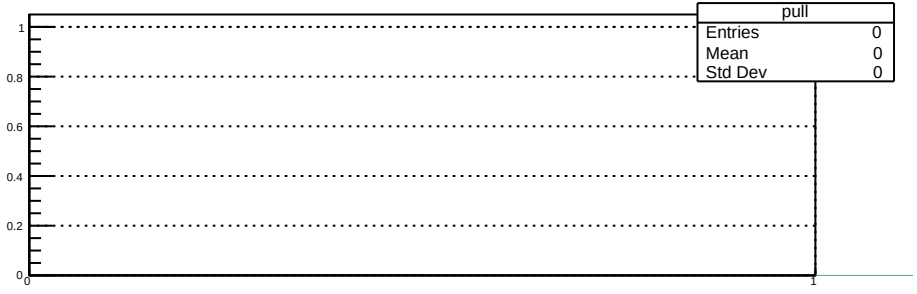

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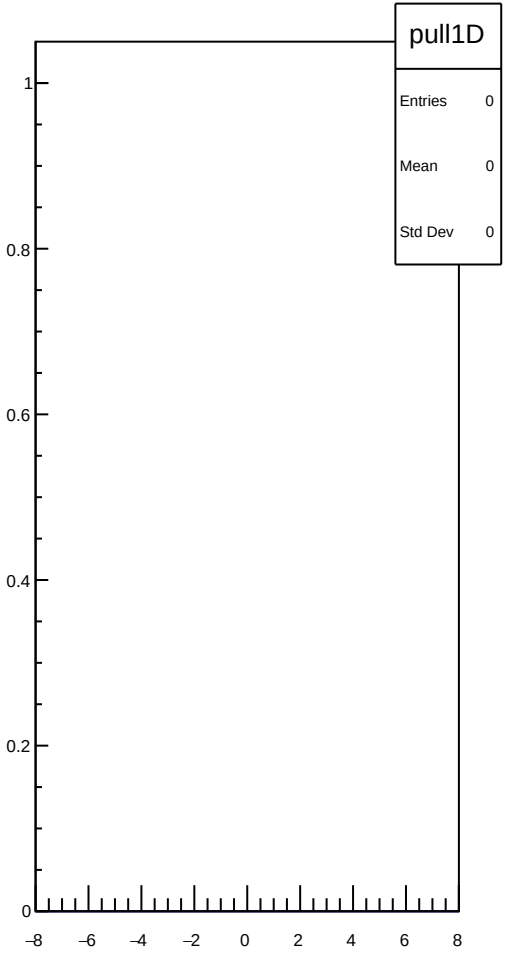

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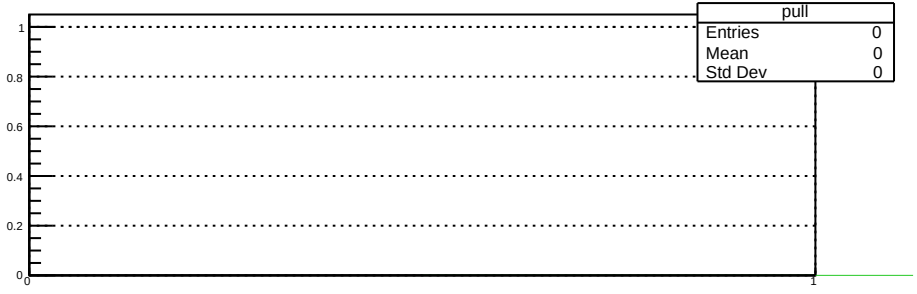

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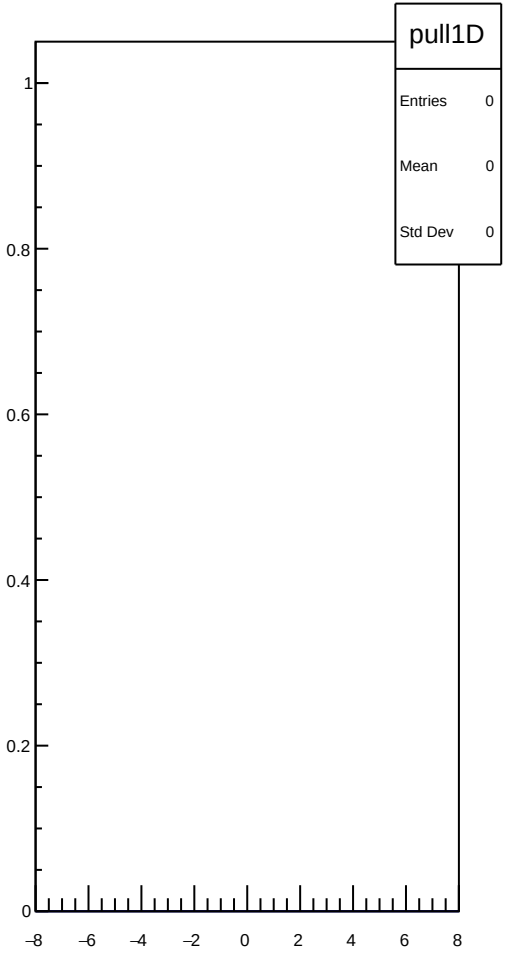

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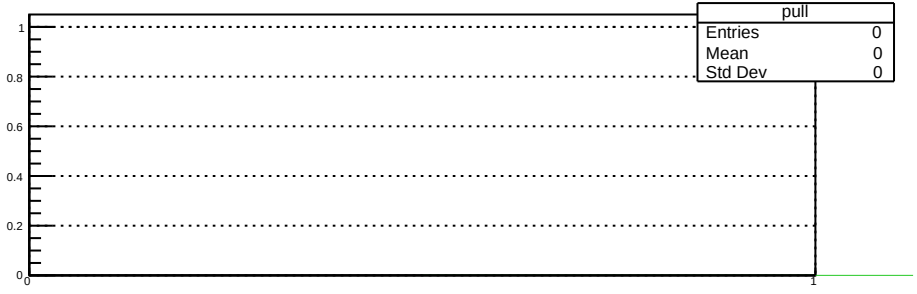

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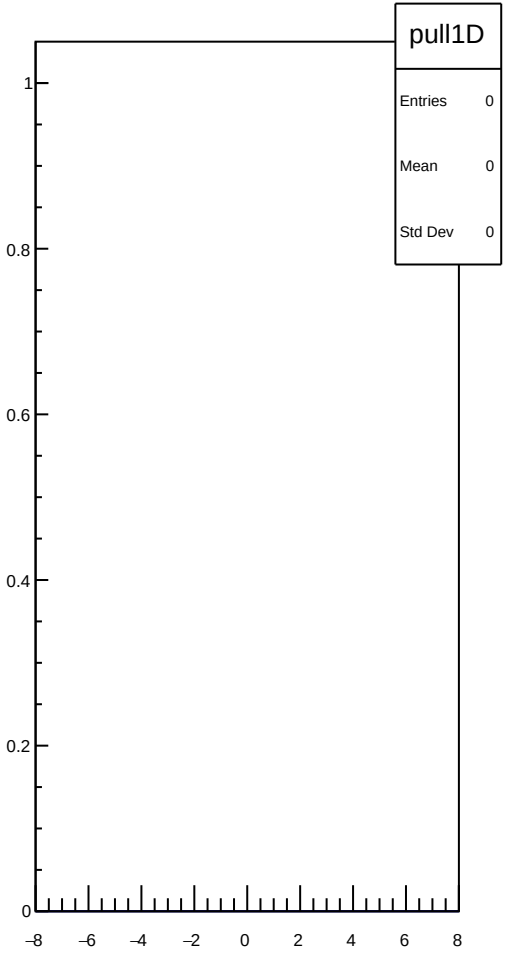

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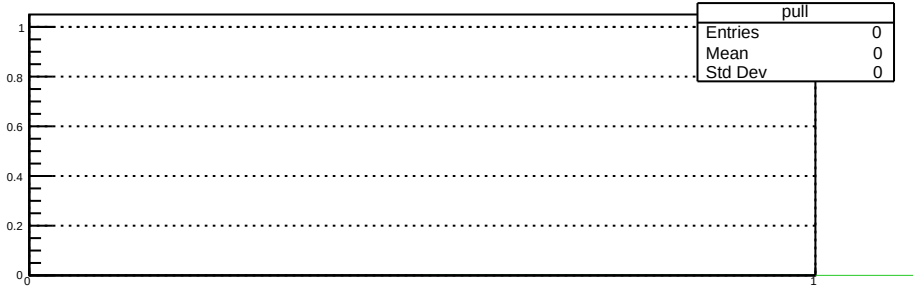

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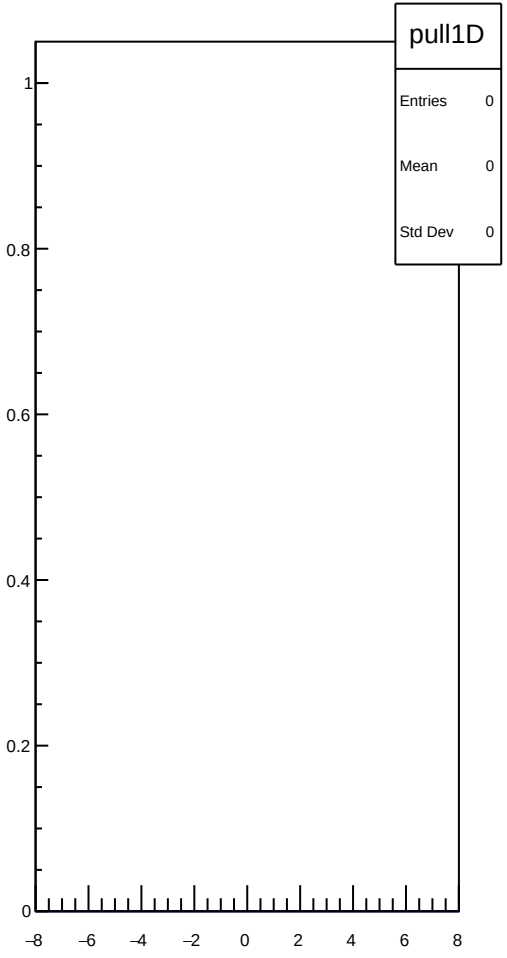

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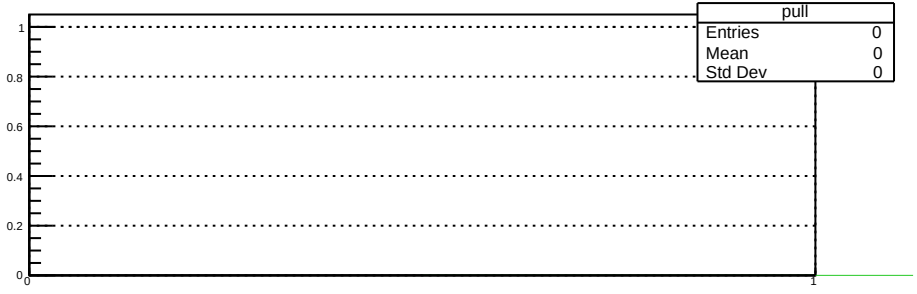

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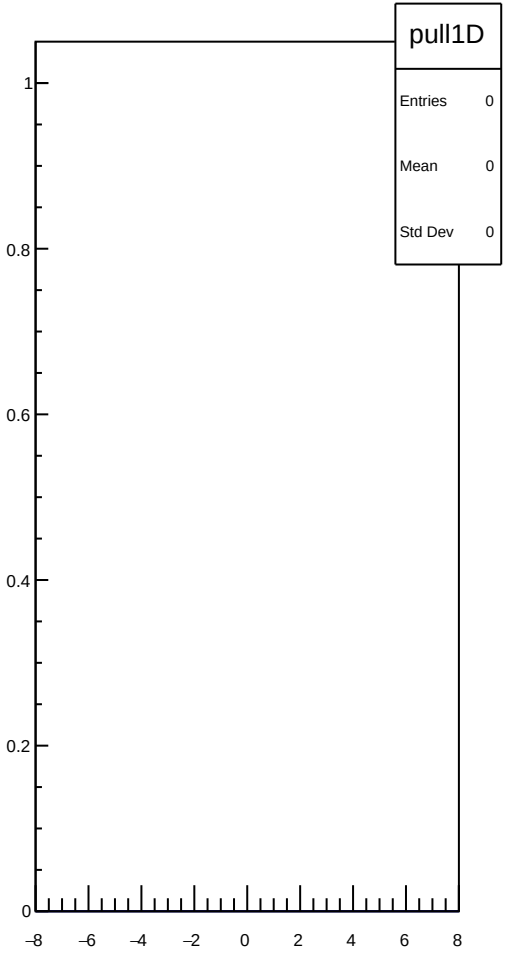

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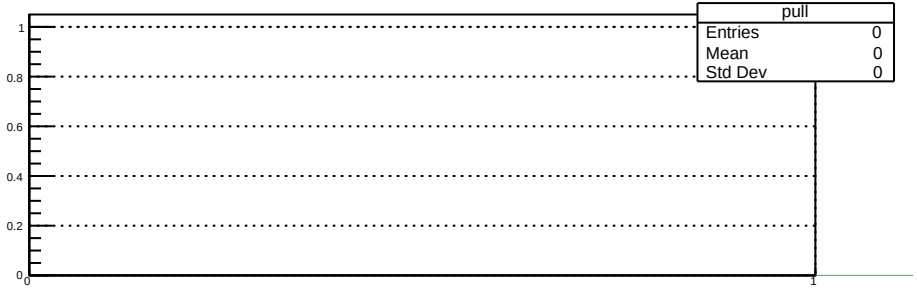

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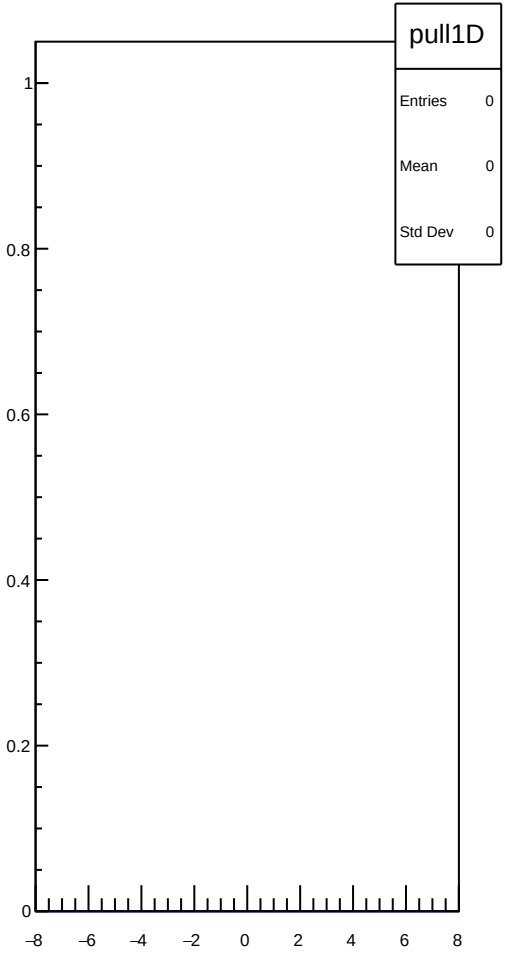

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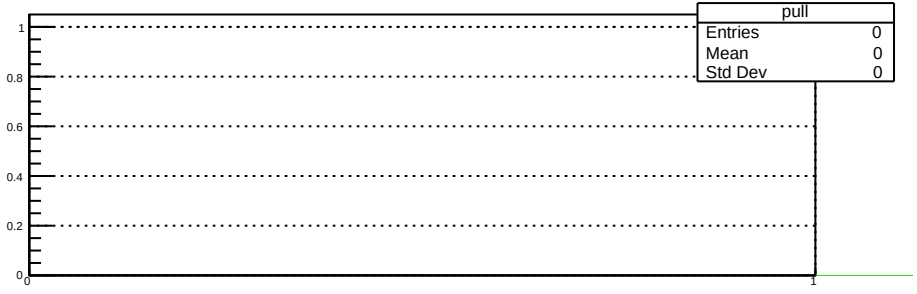

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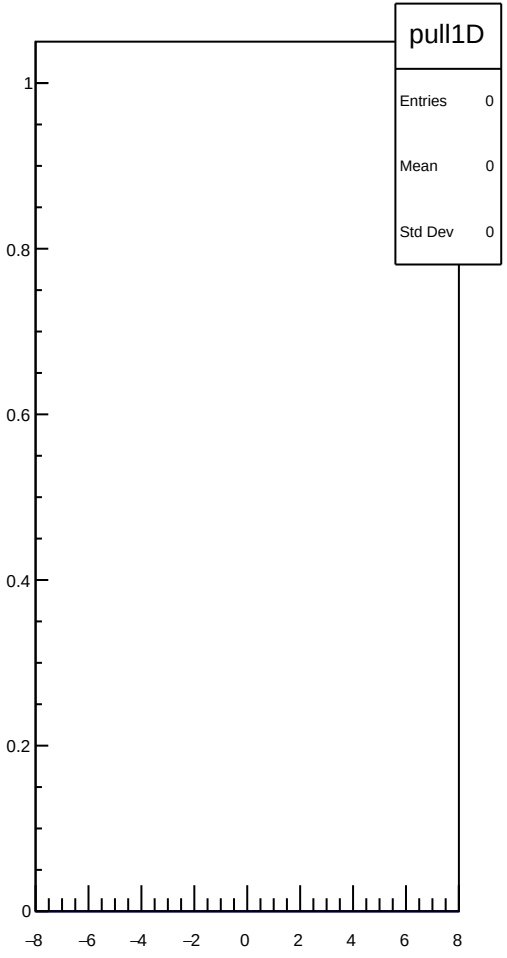

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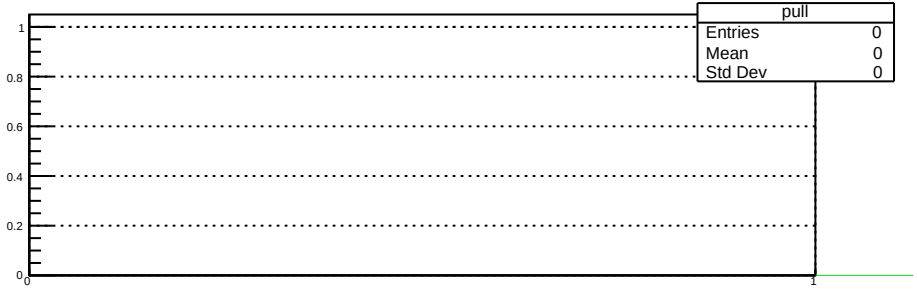

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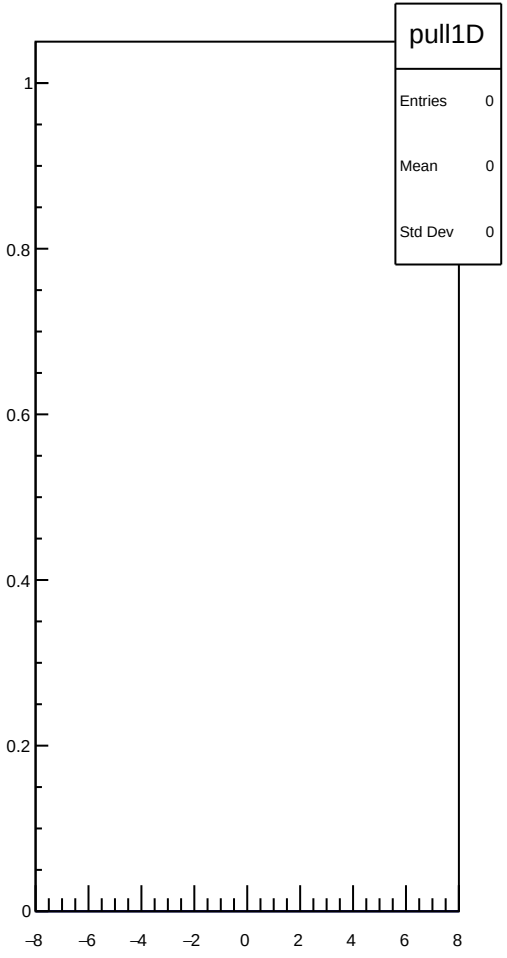

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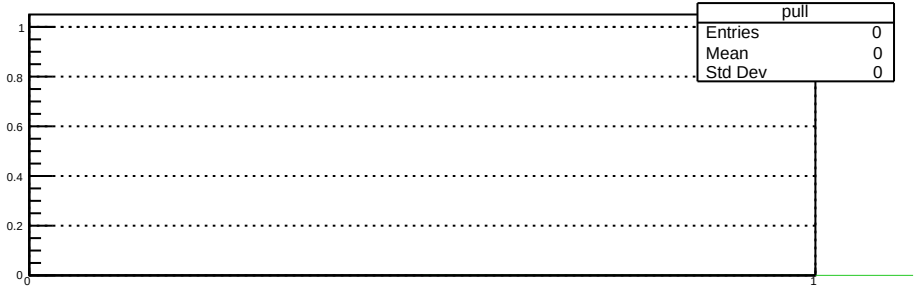

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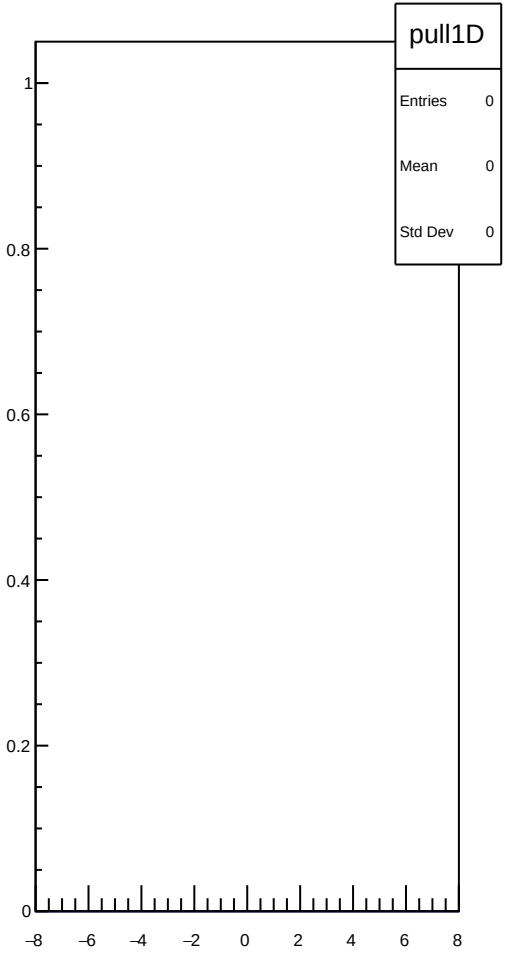

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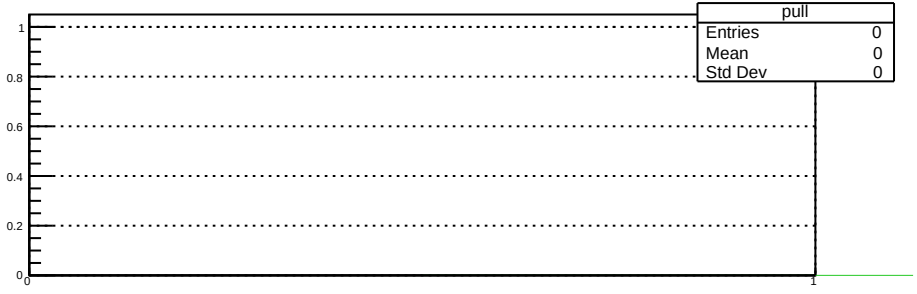

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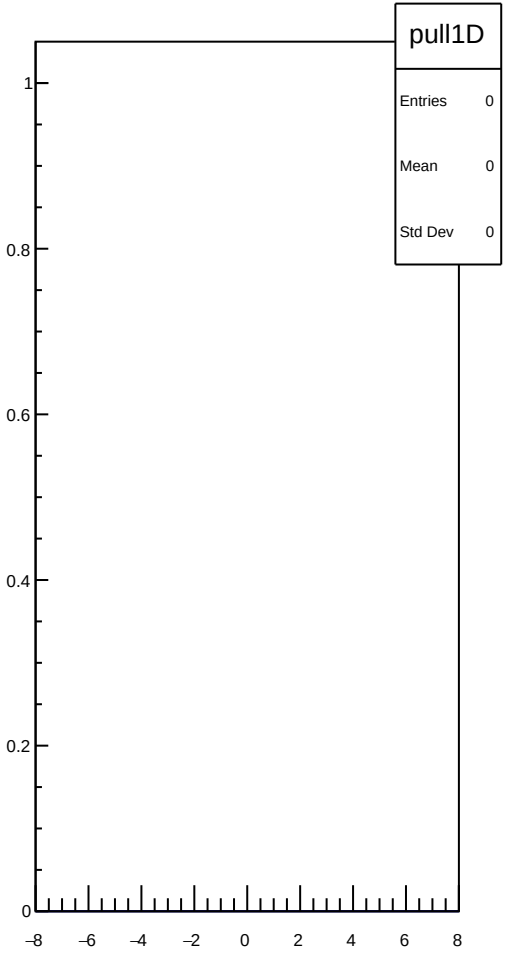

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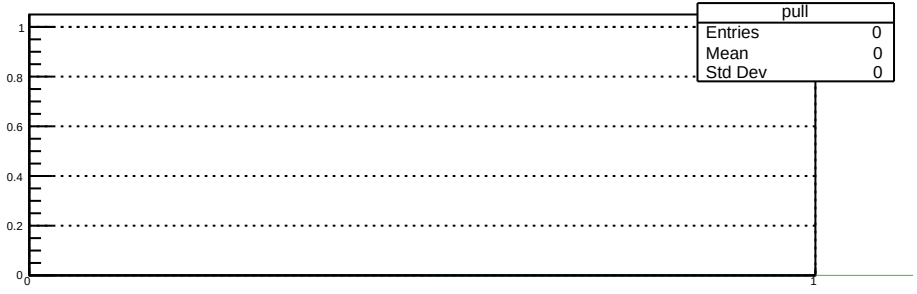

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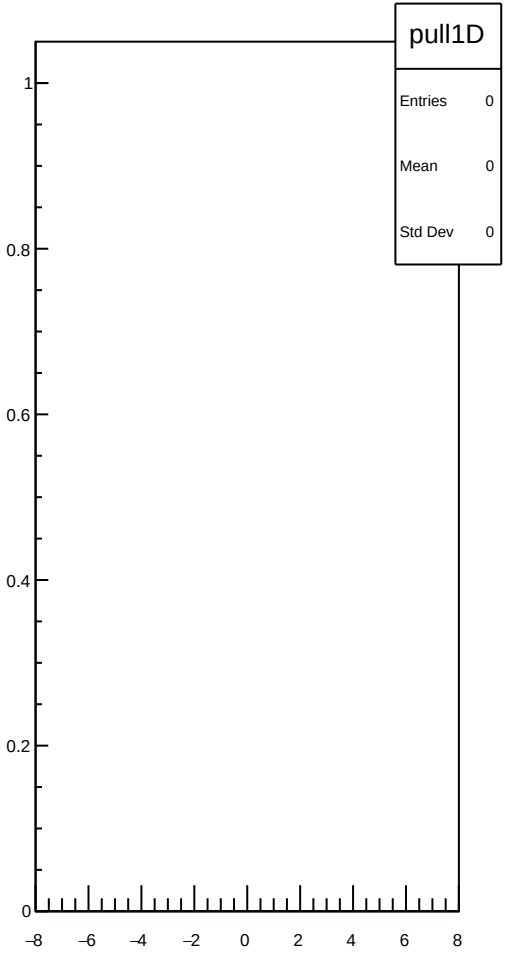

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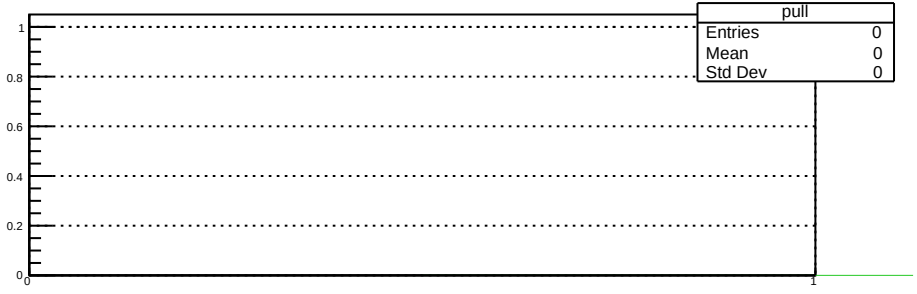

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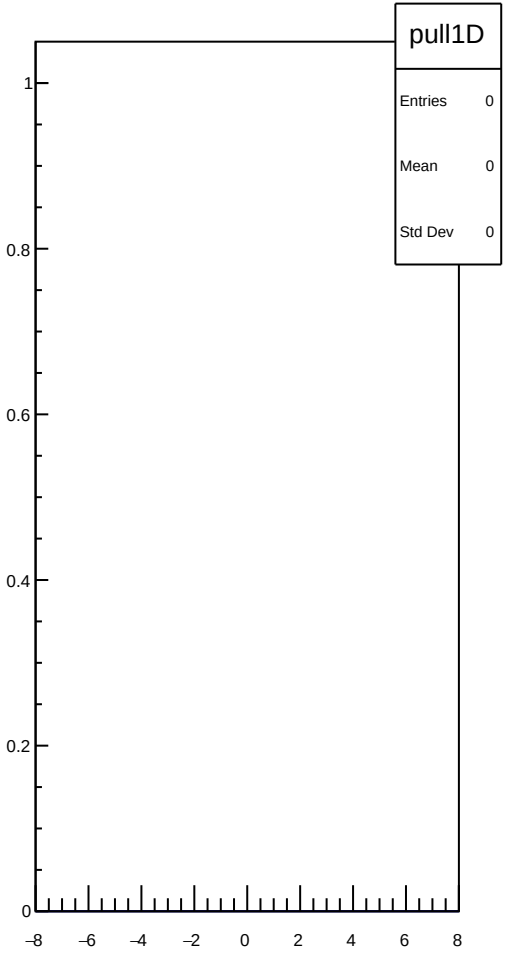

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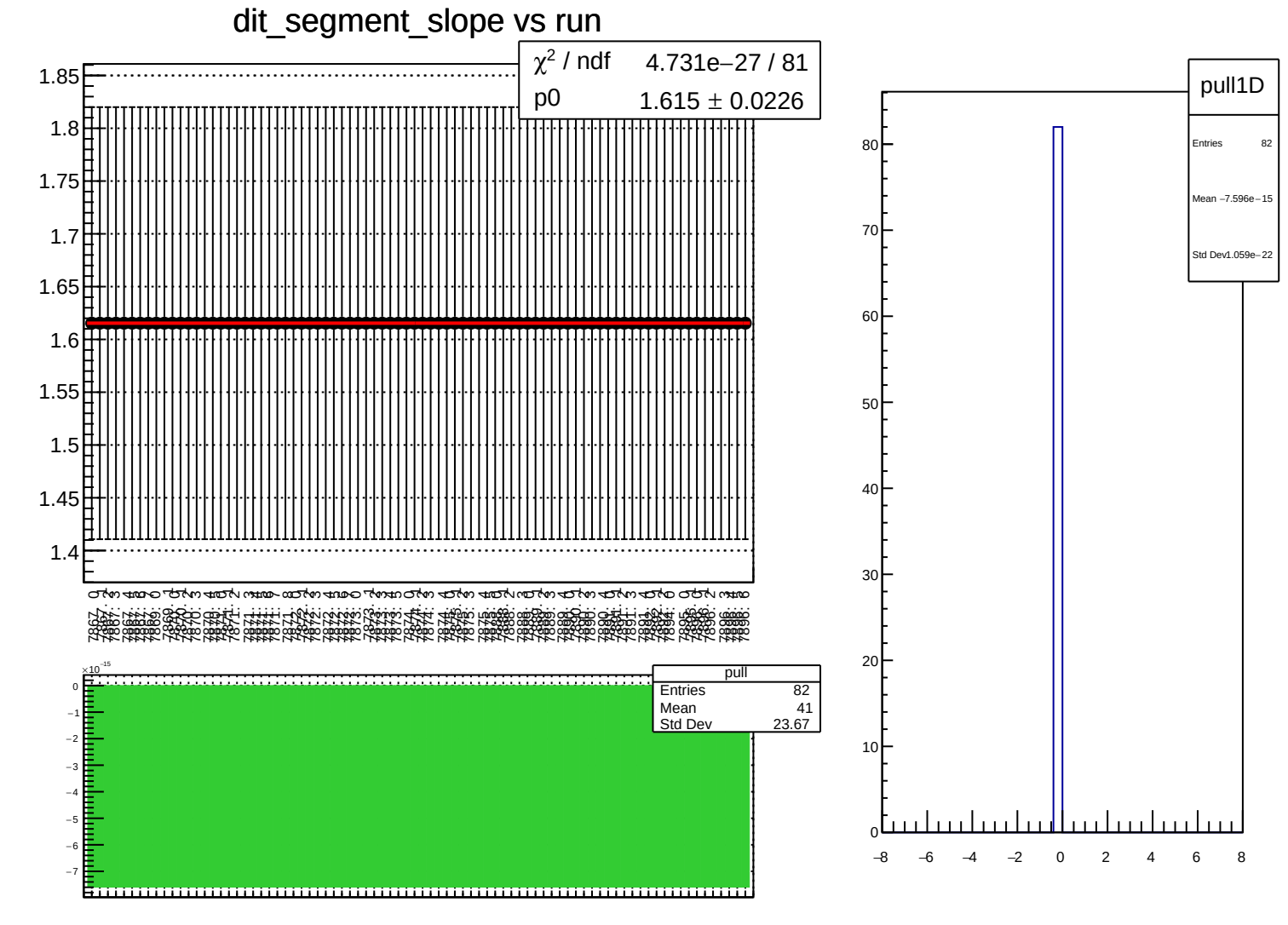

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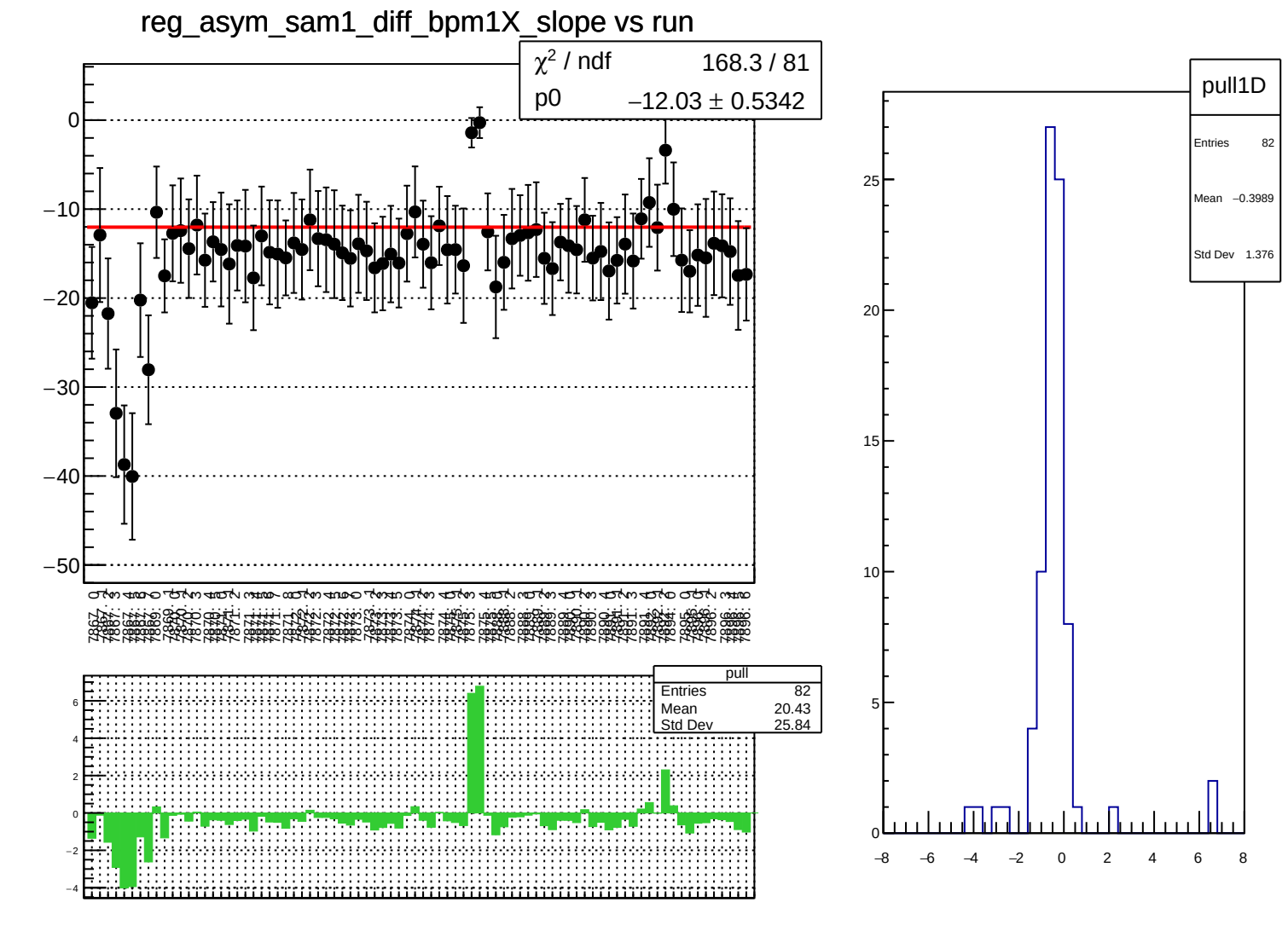

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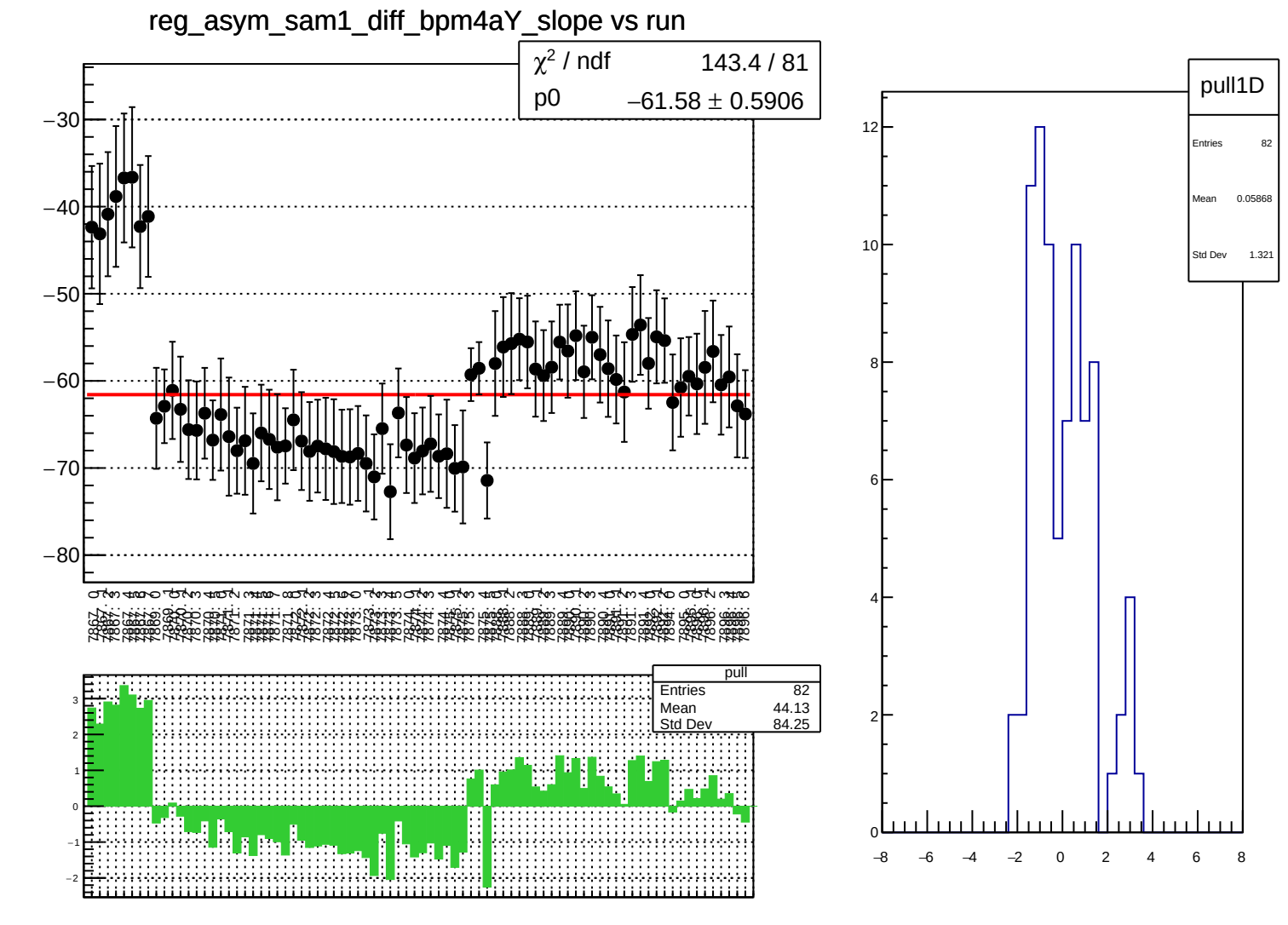

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Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

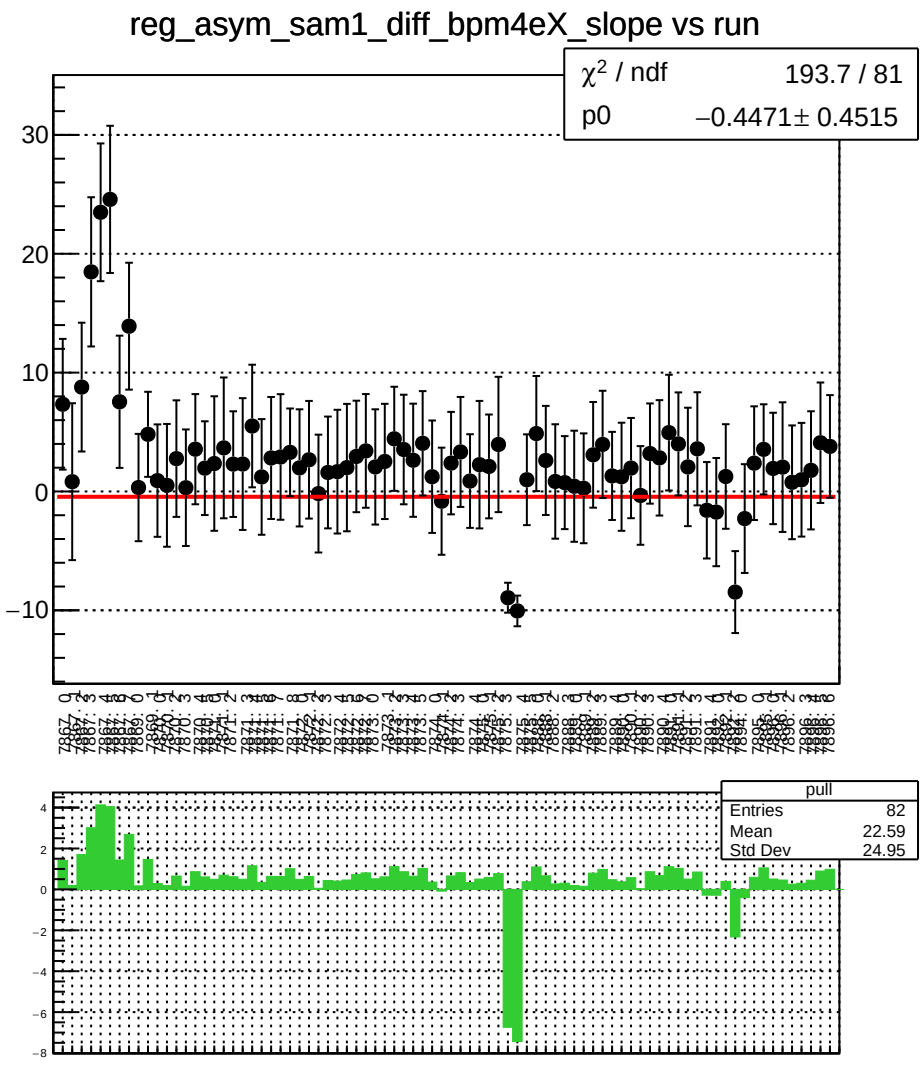

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

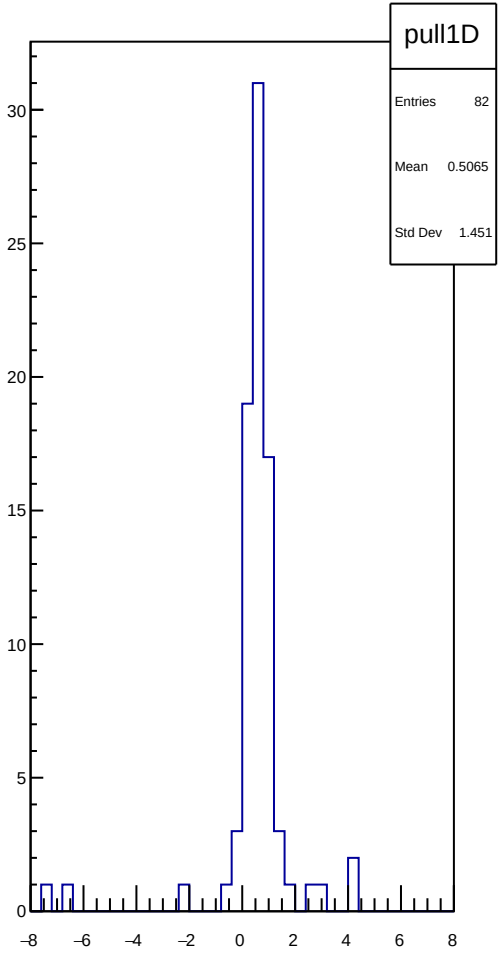

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

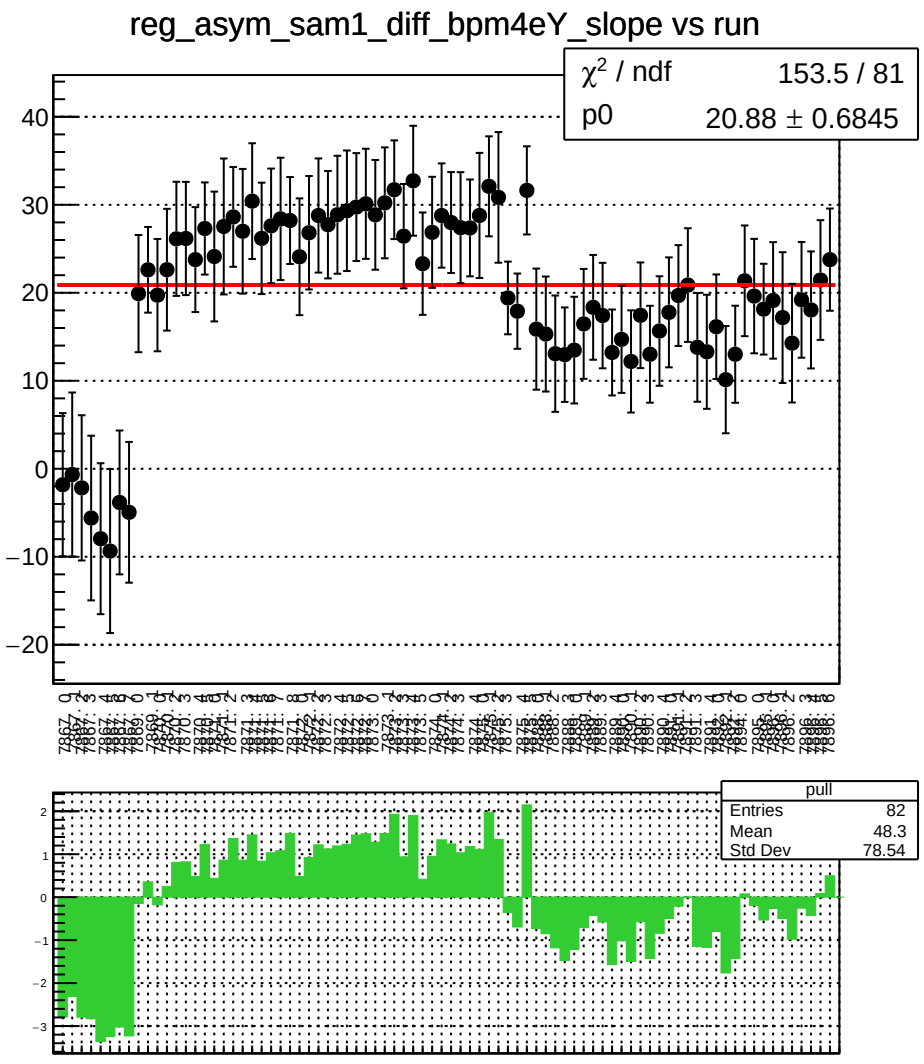

dit_segment_slope vs run
χ² / ndf 4.731e−27 / 81
p0 1.615 ± 0.0226
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.596e−15
Std Dev1.059e−22

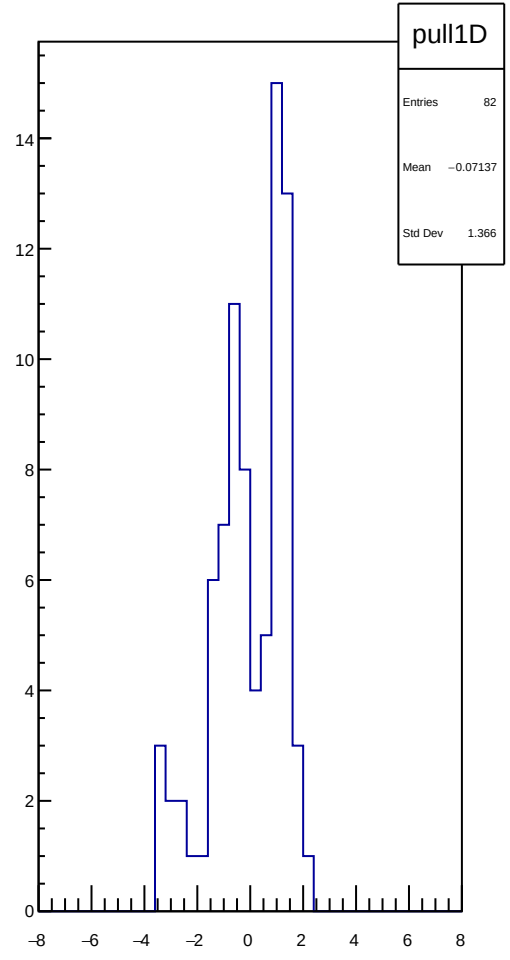

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 168.3 / 81
p0 −12.03 ± 0.5342
pull
Entries 82
Mean 20.43
Std Dev 25.84
pull1D
Entries 82
Mean −0.3989
Std Dev 1.376

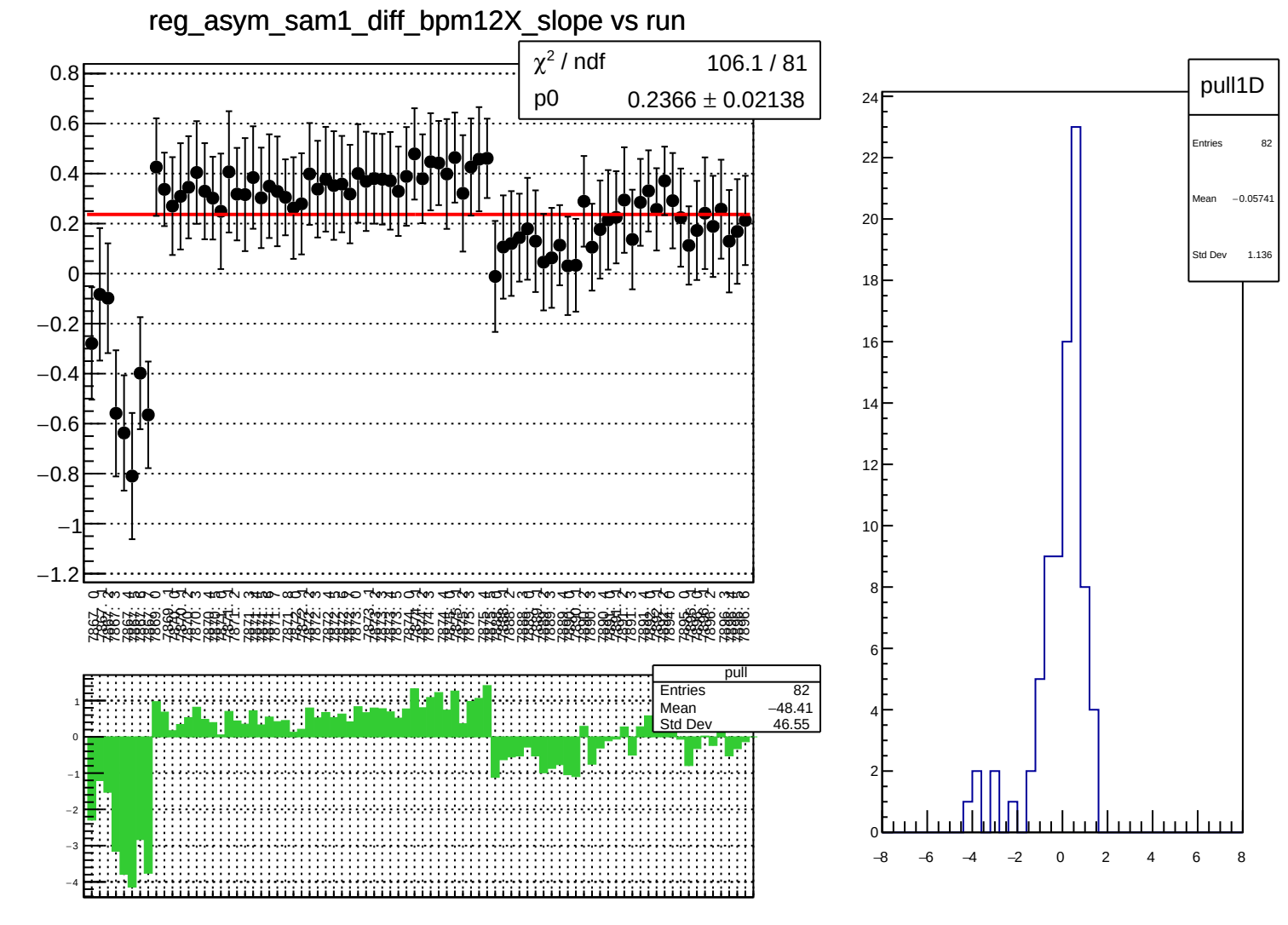

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 143.4 / 81
p0 −61.58 ± 0.5906
pull
Entries 82
Mean 44.13
Std Dev 84.25
pull1D
Entries 82
Mean 0.05868
Std Dev 1.321

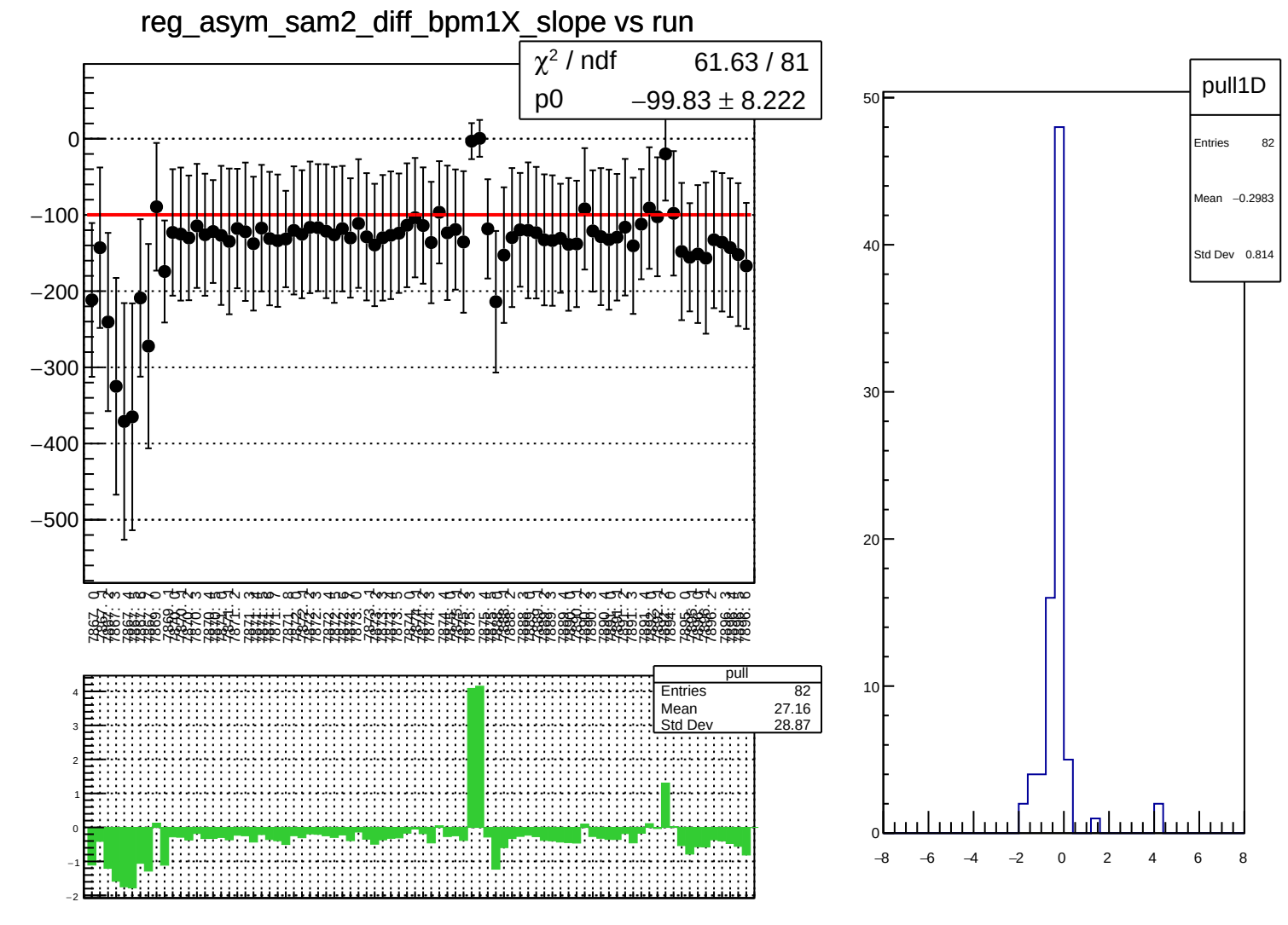

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 193.7 / 81
p0 −0.4471± 0.4515
pull
Entries 82
Mean 22.59
Std Dev 24.95

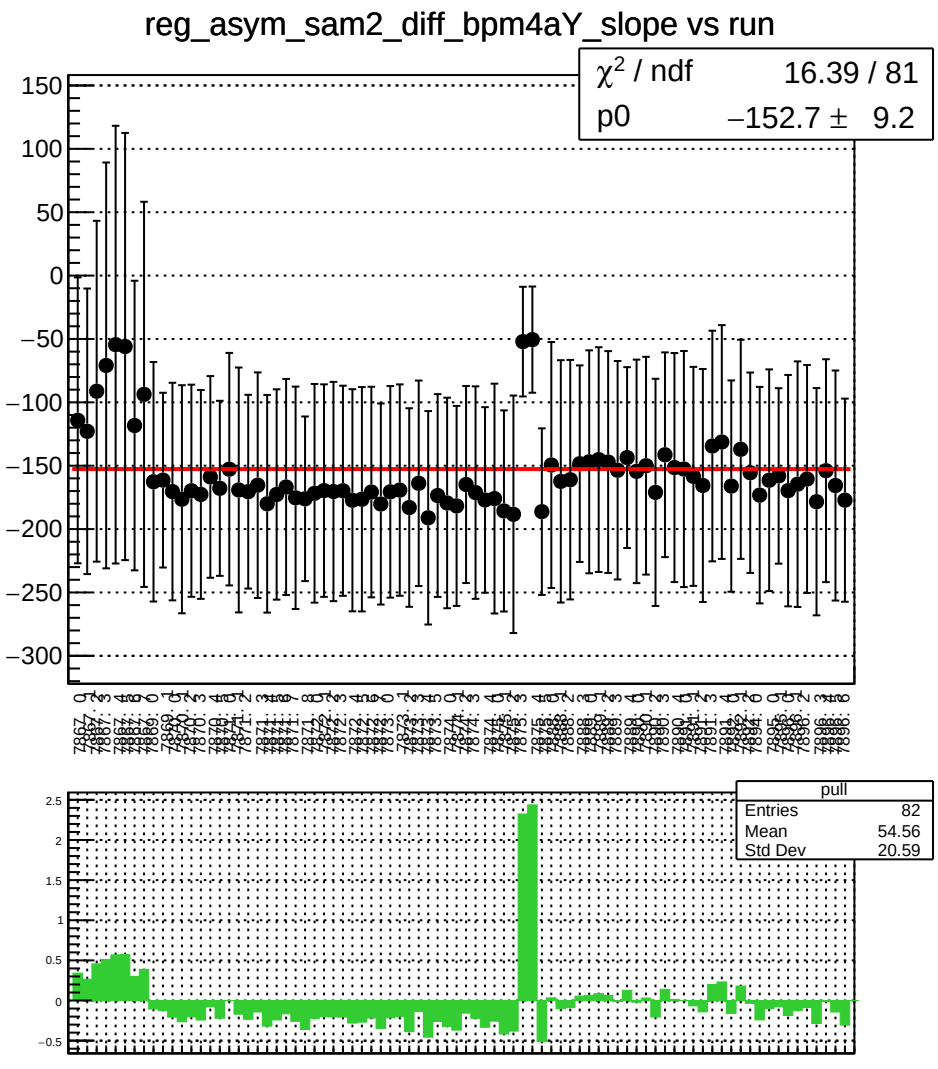

pull1D
Entries 82
Mean 0.5065
Std Dev 1.451

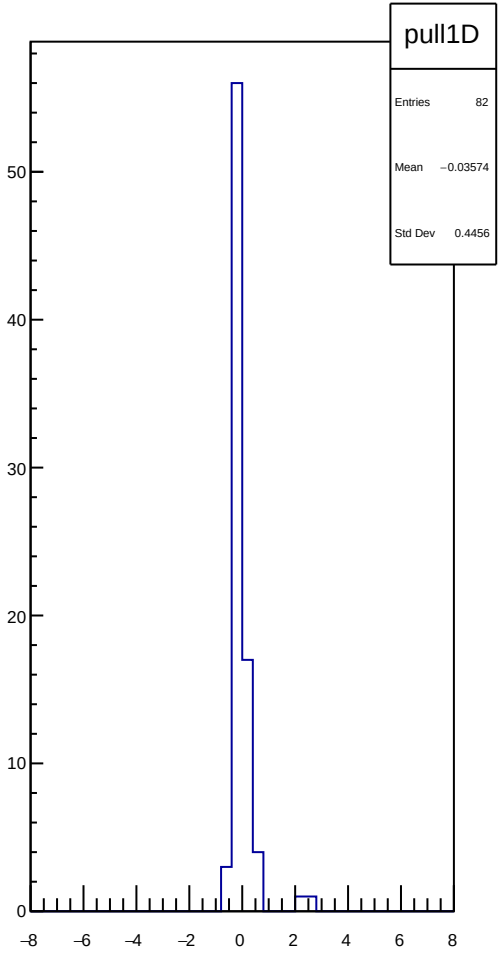

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 153.5 / 81
p0 20.88 ± 0.6845
pull
Entries 82
Mean 48.3
Std Dev 78.54

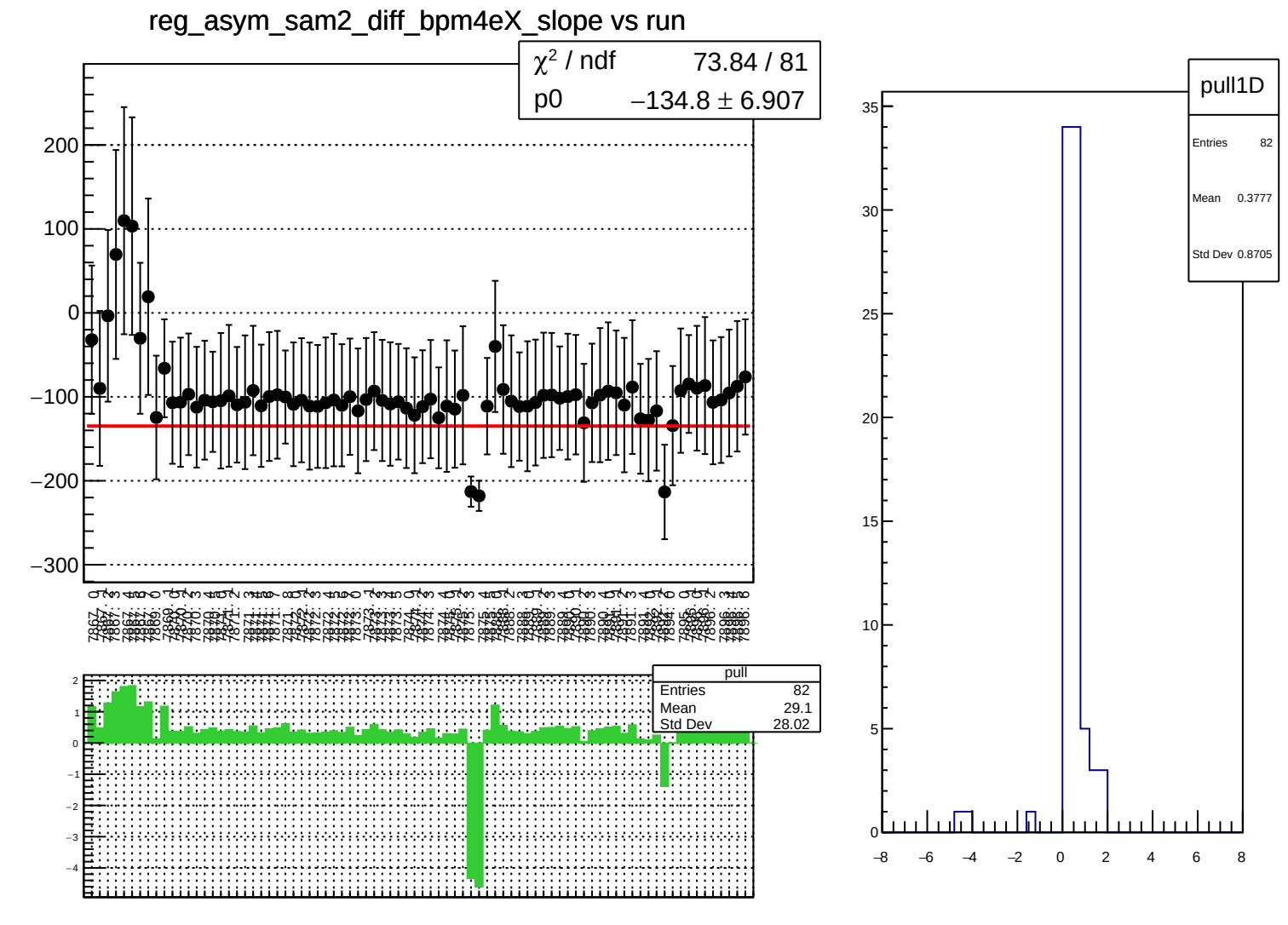

pull1D
Entries 82
Mean −0.07137
Std Dev 1.366

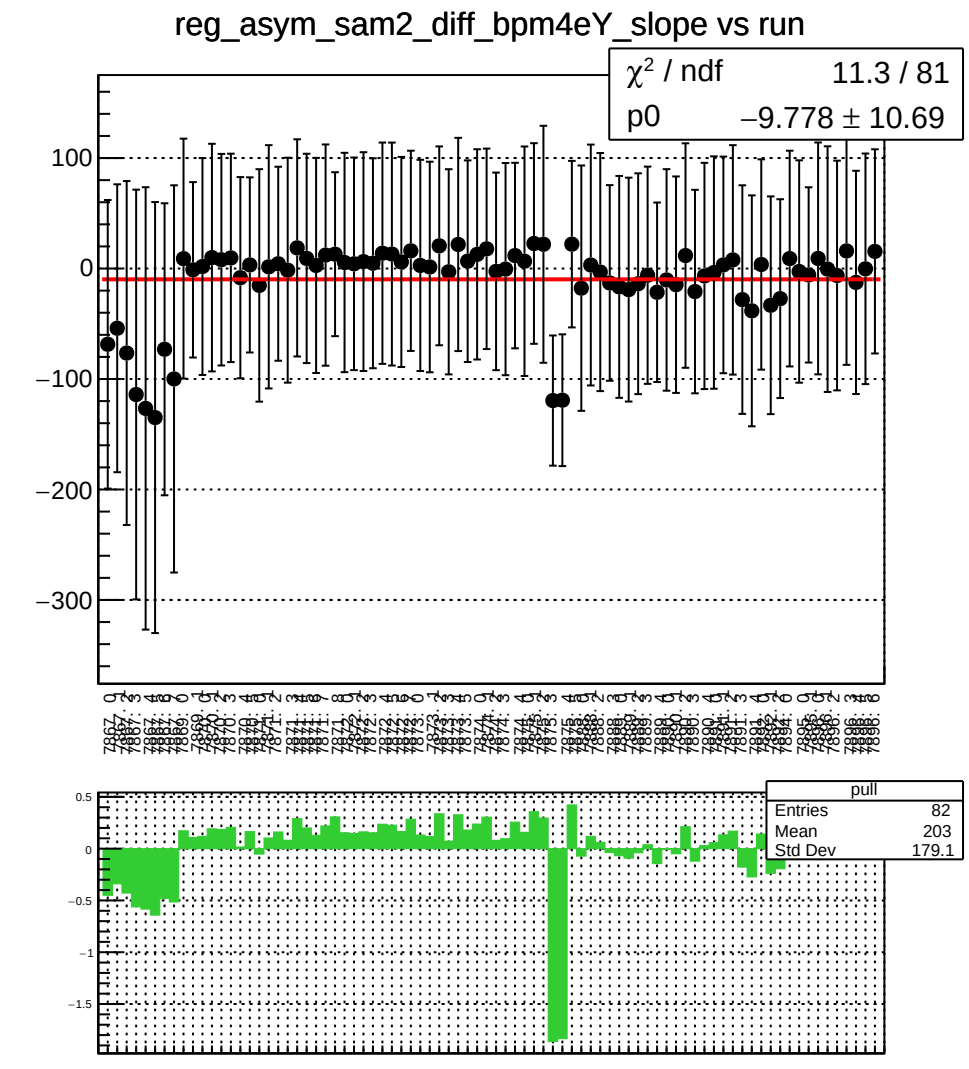

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 106.1 / 81
p0 0.2366 ± 0.02138
pull
Entries 82
Mean −48.41
Std Dev 46.55
pull1D
Entries 82
Mean −0.05741
Std Dev 1.136

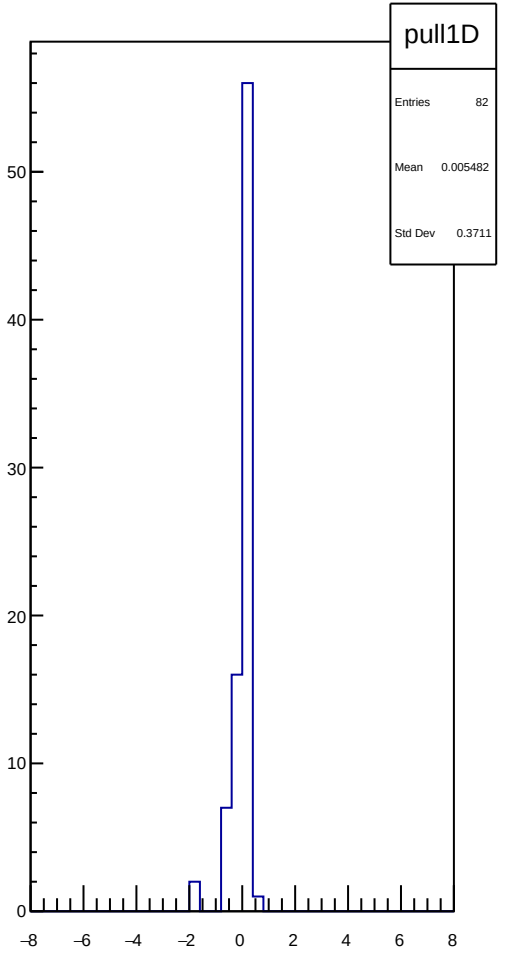

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 61.63 / 81
p0 −99.83 ± 8.222
pull
Entries 82
Mean 27.16
Std Dev 28.87
pull1D
Entries 82
Mean −0.2983
Std Dev 0.814

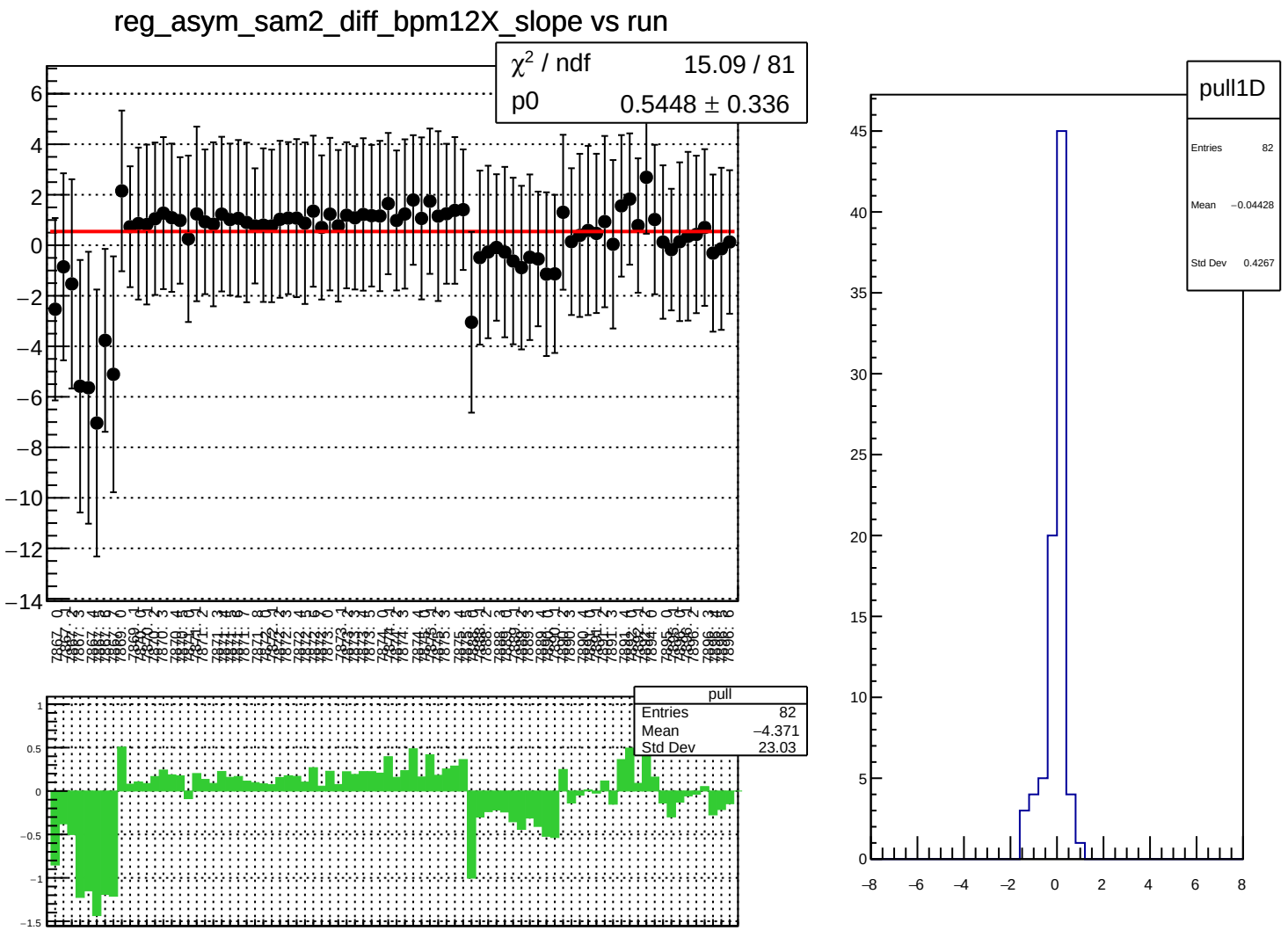

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 16.39 / 81
p0 −152.7 ± 9.2
pull
Entries 82
Mean 54.56
Std Dev 20.59

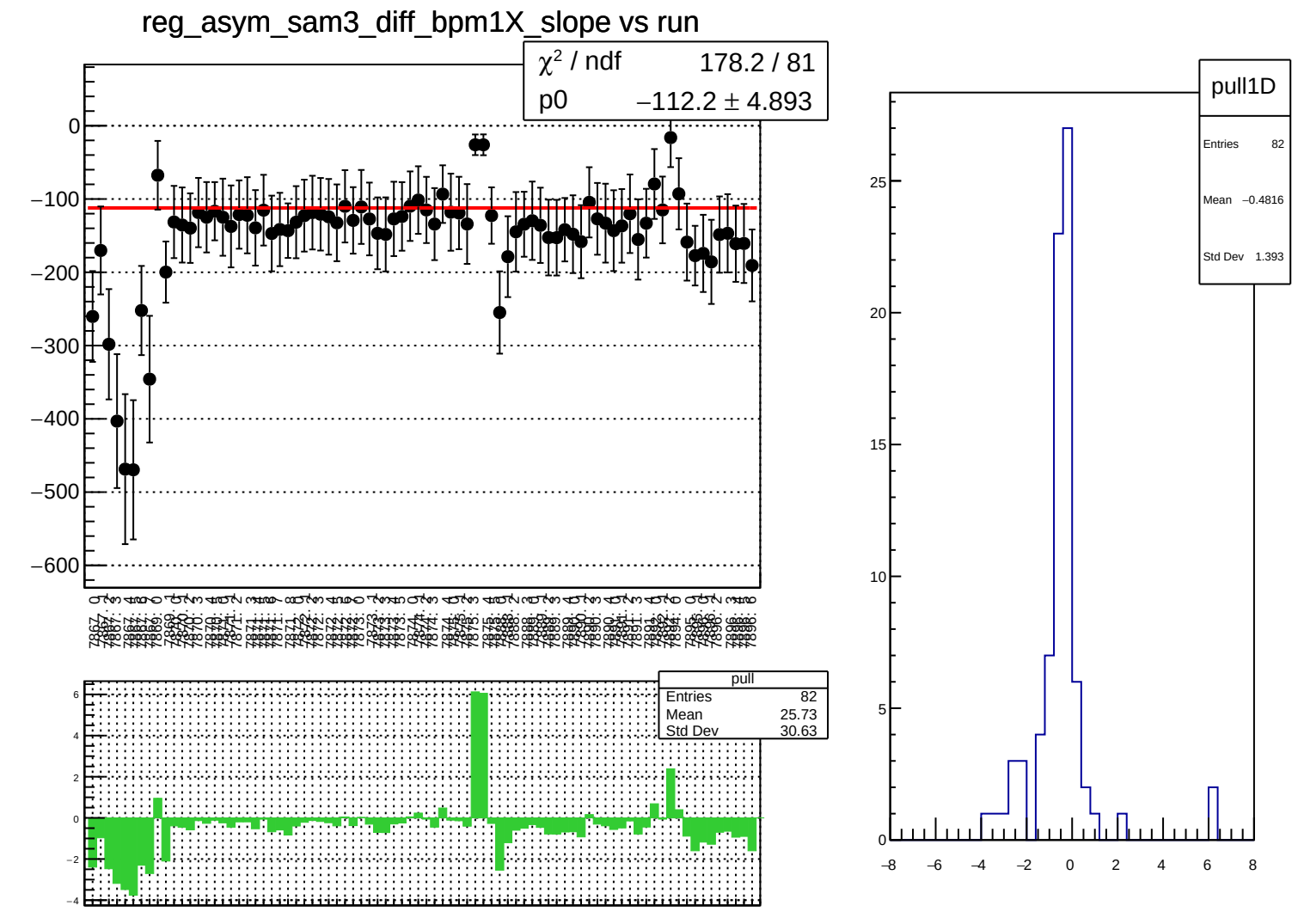

pull1D
Entries 82
Mean −0.03574
Std Dev 0.4456

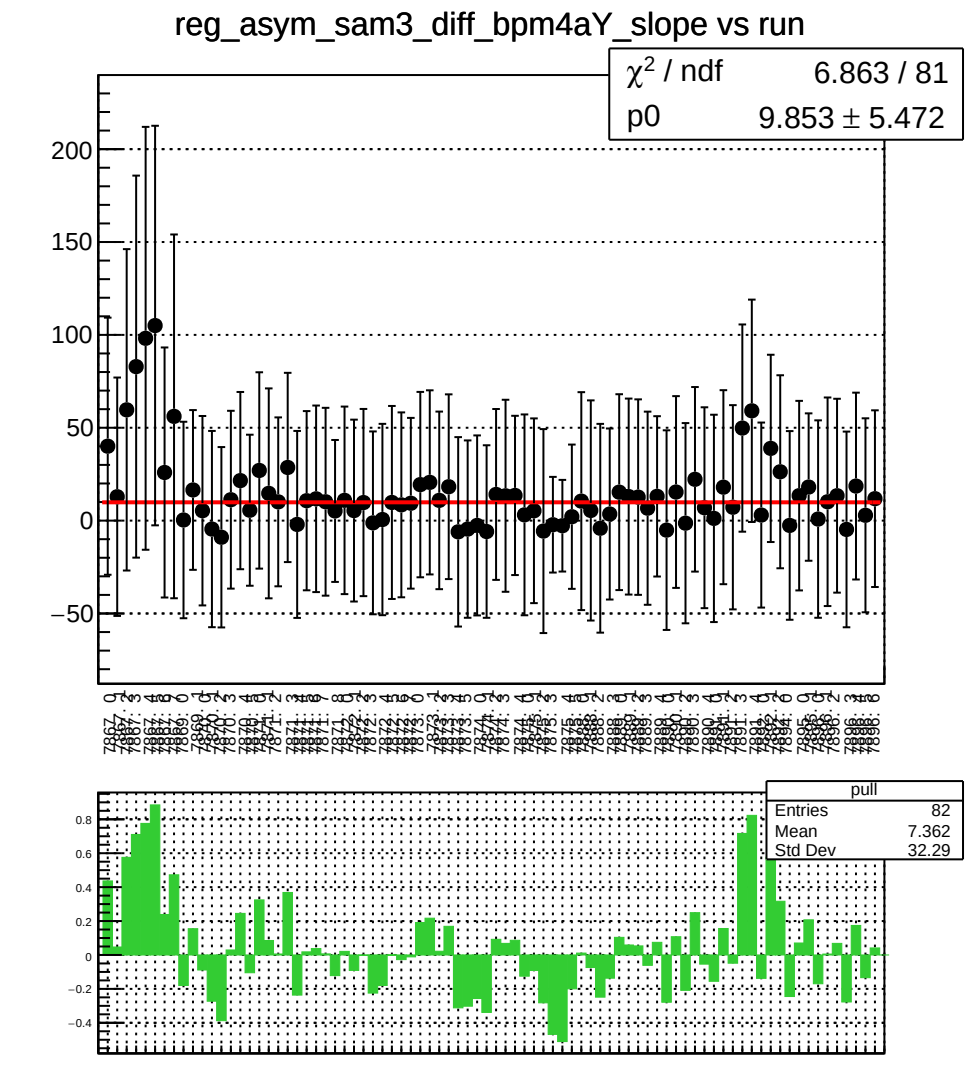

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 73.84 / 81
p0 −134.8 ± 6.907
pull
Entries 82
Mean 29.1
Std Dev 28.02
pull1D
Entries 82
Mean 0.3777
Std Dev 0.8705

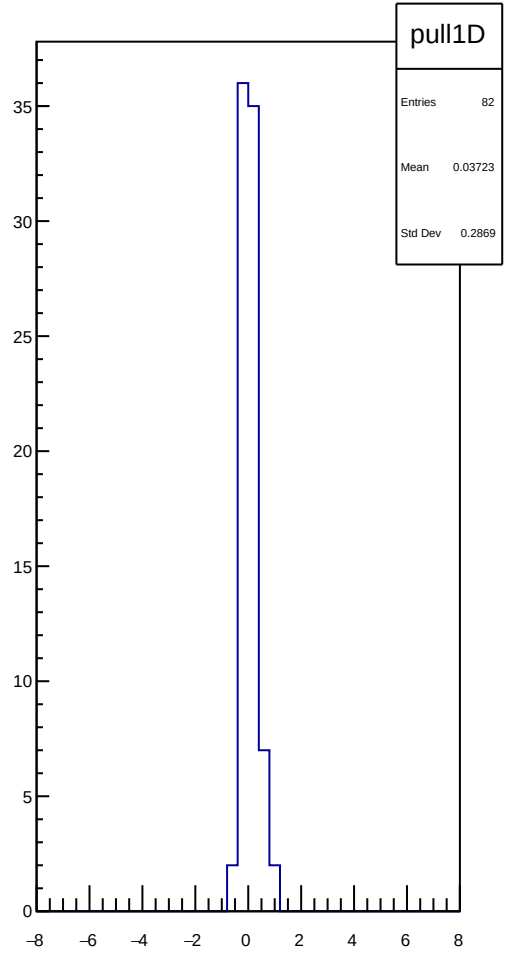

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 11.3 / 81
p0 −9.778 ± 10.69
100
0
−100
−200
−300
pull
Entries 82
Mean 203
Std Dev 179.1
0.5
0
−0.5
−1
−1.5

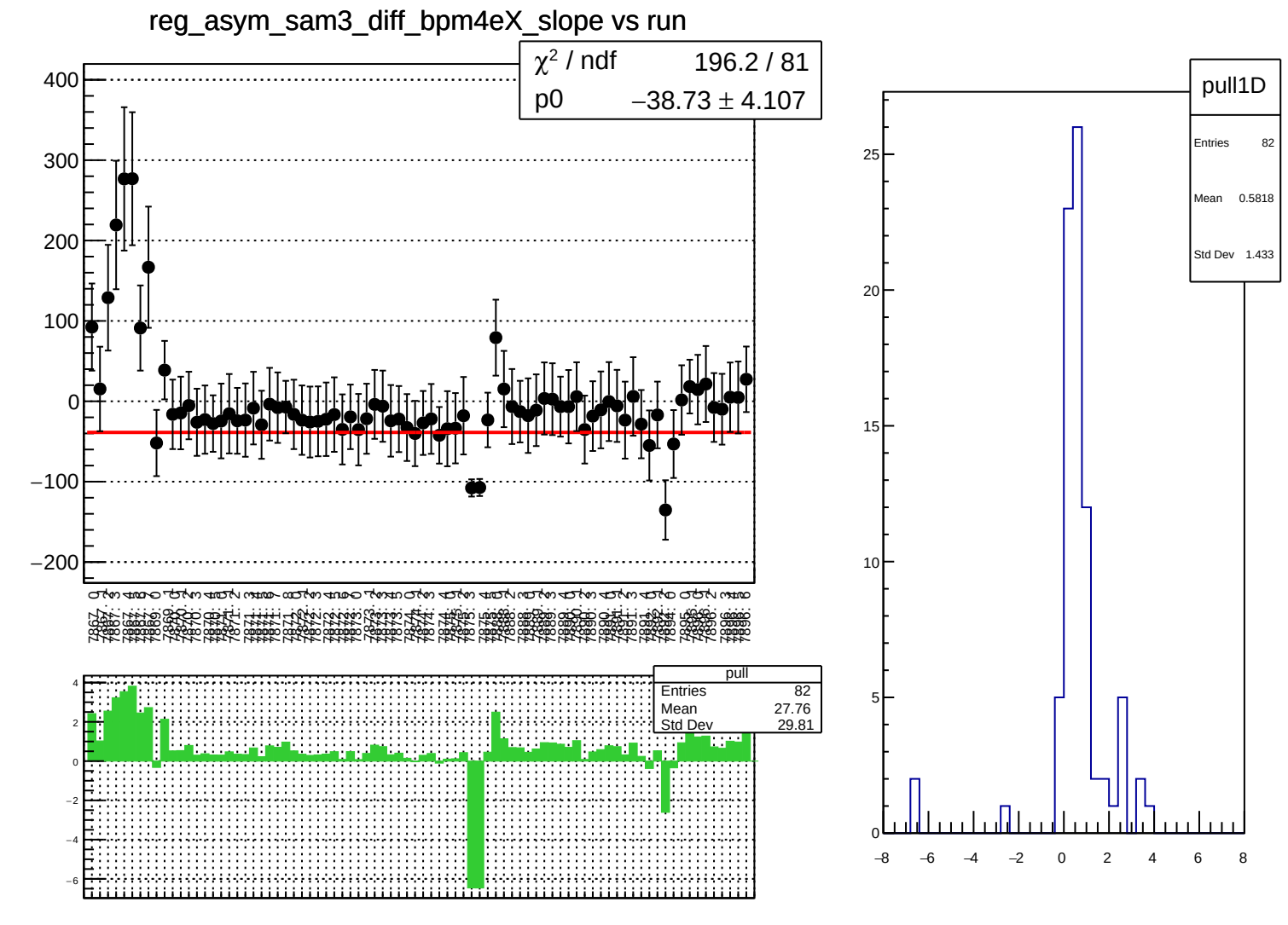

pull1D
Entries 82
Mean 0.005482
Std Dev 0.3711
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

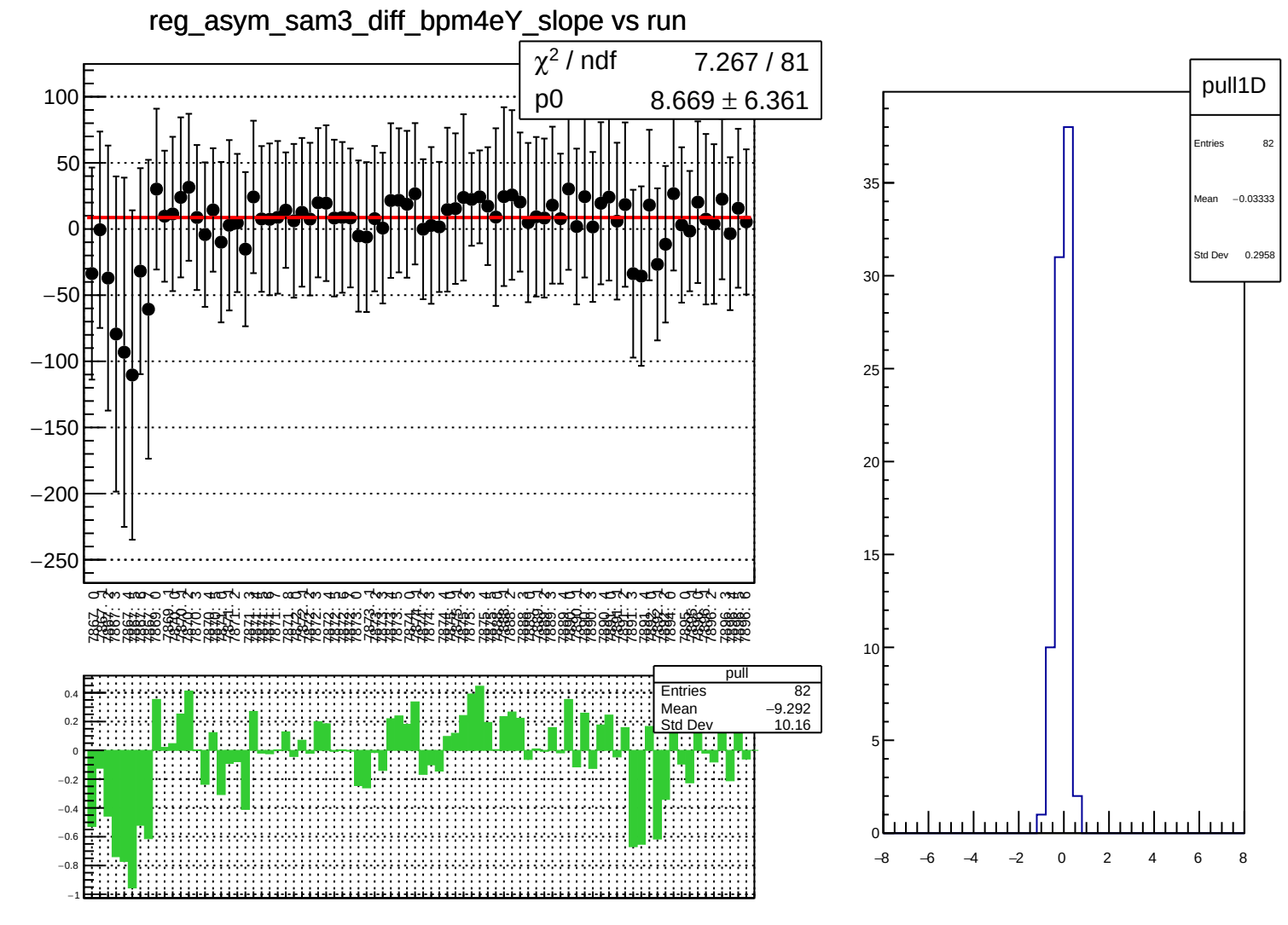

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 15.09 / 81
p0 0.5448 ± 0.336
pull
Entries 82
Mean −4.371
Std Dev 23.03
pull1D
Entries 82
Mean −0.04428
Std Dev 0.4267

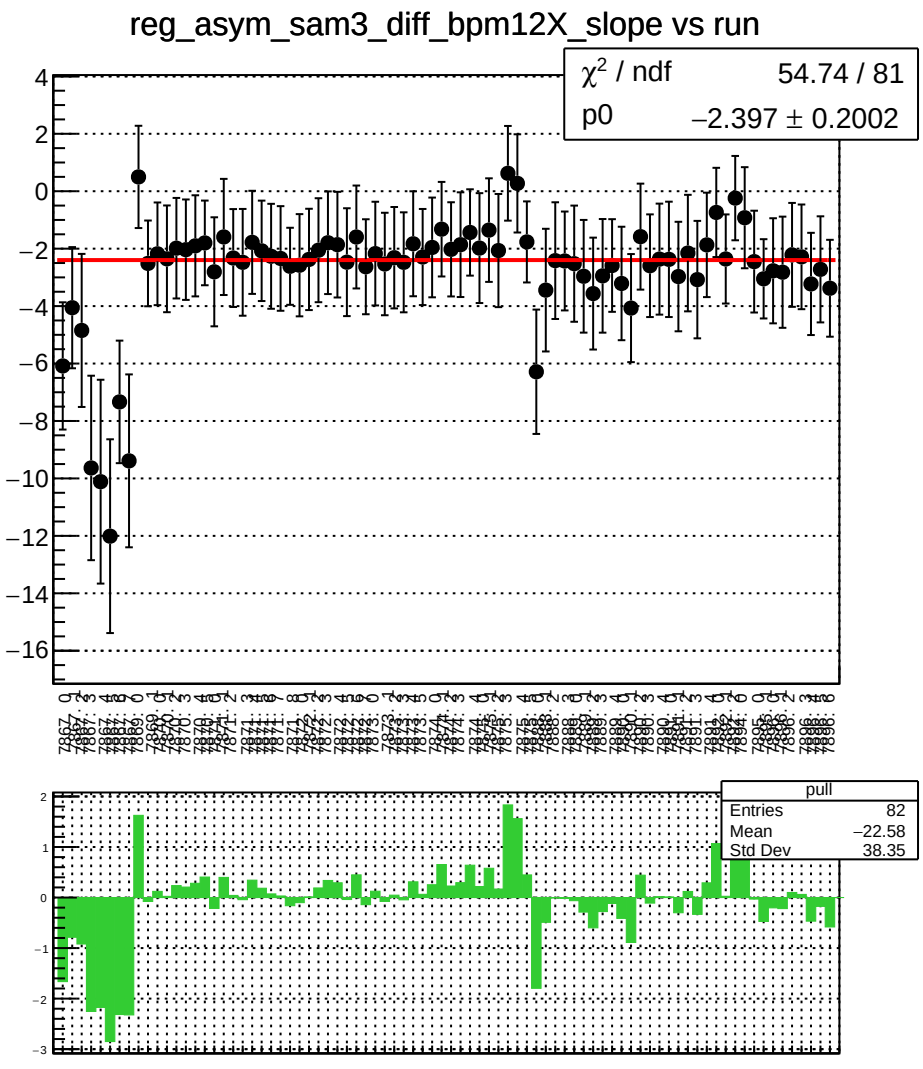

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 178.2 / 81
p0 −112.2 ± 4.893
pull
Entries 82
Mean 25.73
Std Dev 30.63
pull1D
Entries 82
Mean −0.4816
Std Dev 1.393

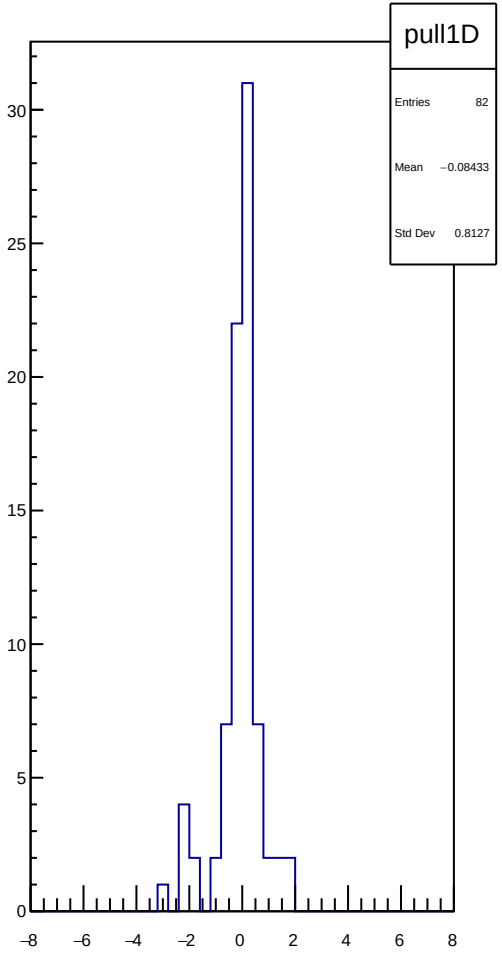

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 6.863 / 81
p0 9.853 ± 5.472
pull
Entries 82
Mean 7.362
Std Dev 32.29

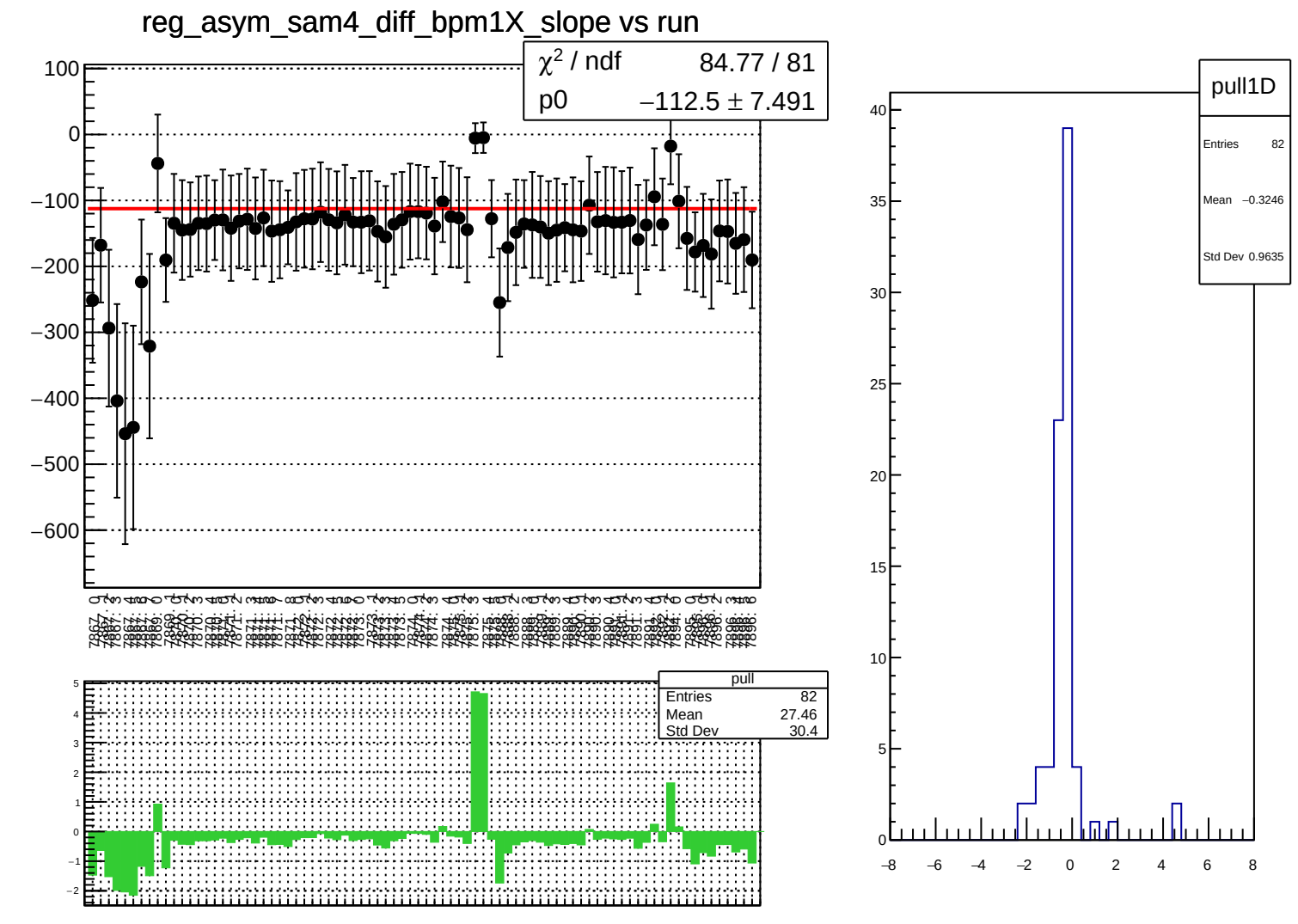

pull1D
Entries 82
Mean 0.03723
Std Dev 0.2869

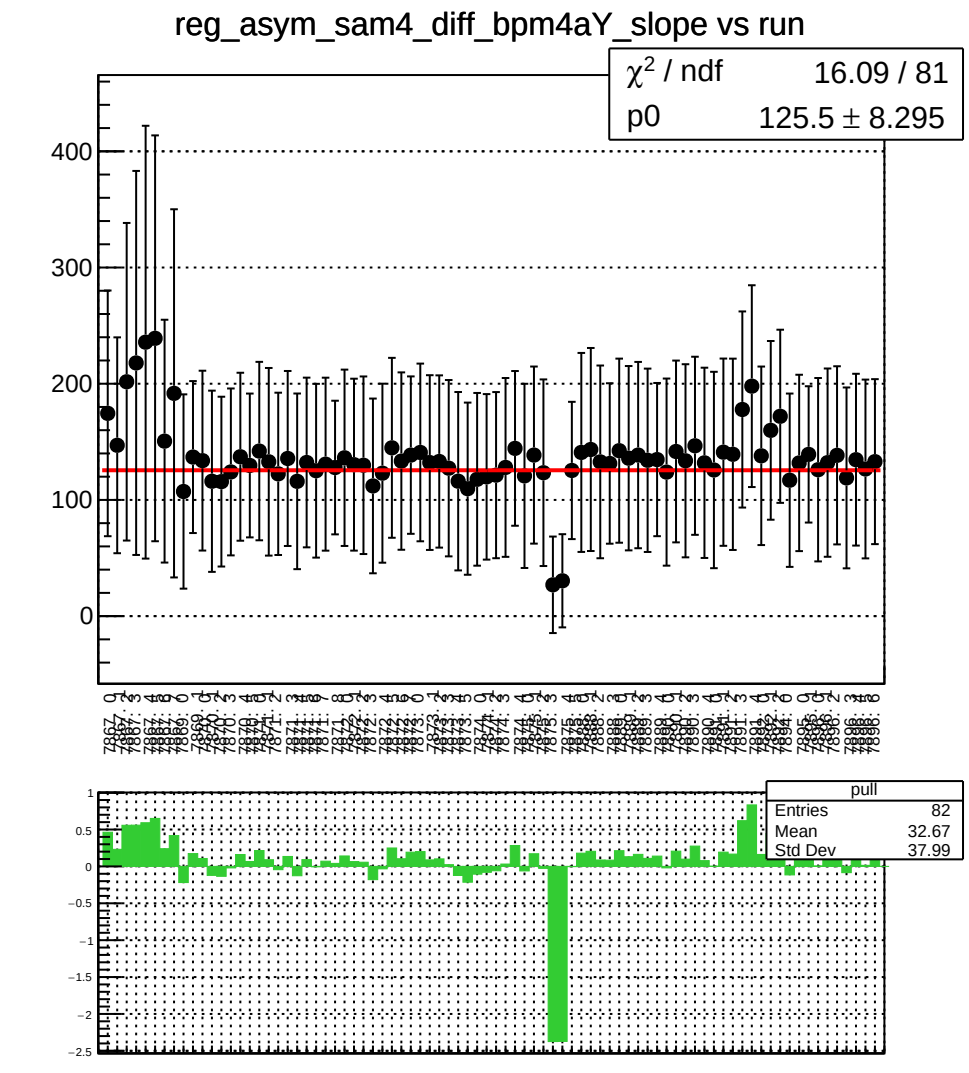

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 196.2 / 81
p0 −38.73 ± 4.107
pull
Entries 82
Mean 27.76
Std Dev 29.81
pull1D
Entries 82
Mean 0.5818
Std Dev 1.433

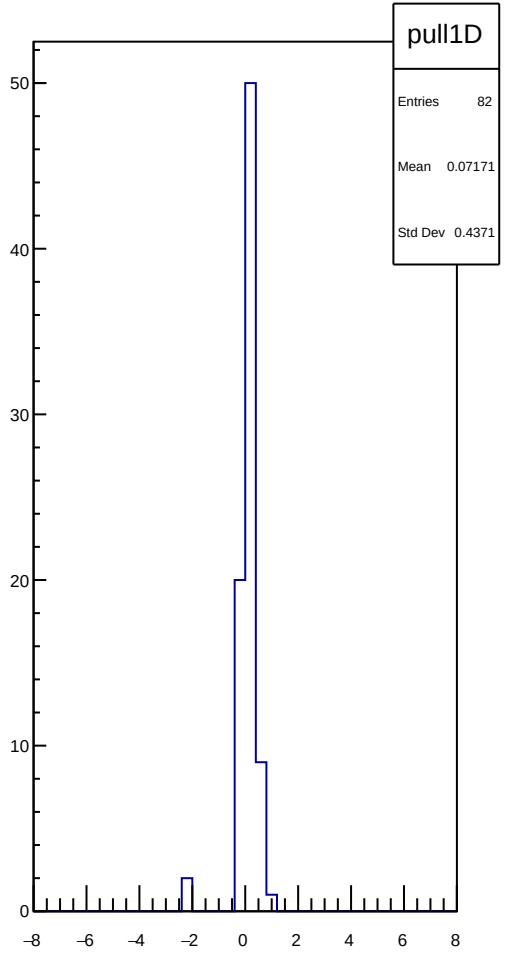

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 7.267 / 81
p0 8.669 ± 6.361
pull
Entries 82
Mean −9.292
Std Dev 10.16
pull1D
Entries 82
Mean −0.03333
Std Dev 0.2958

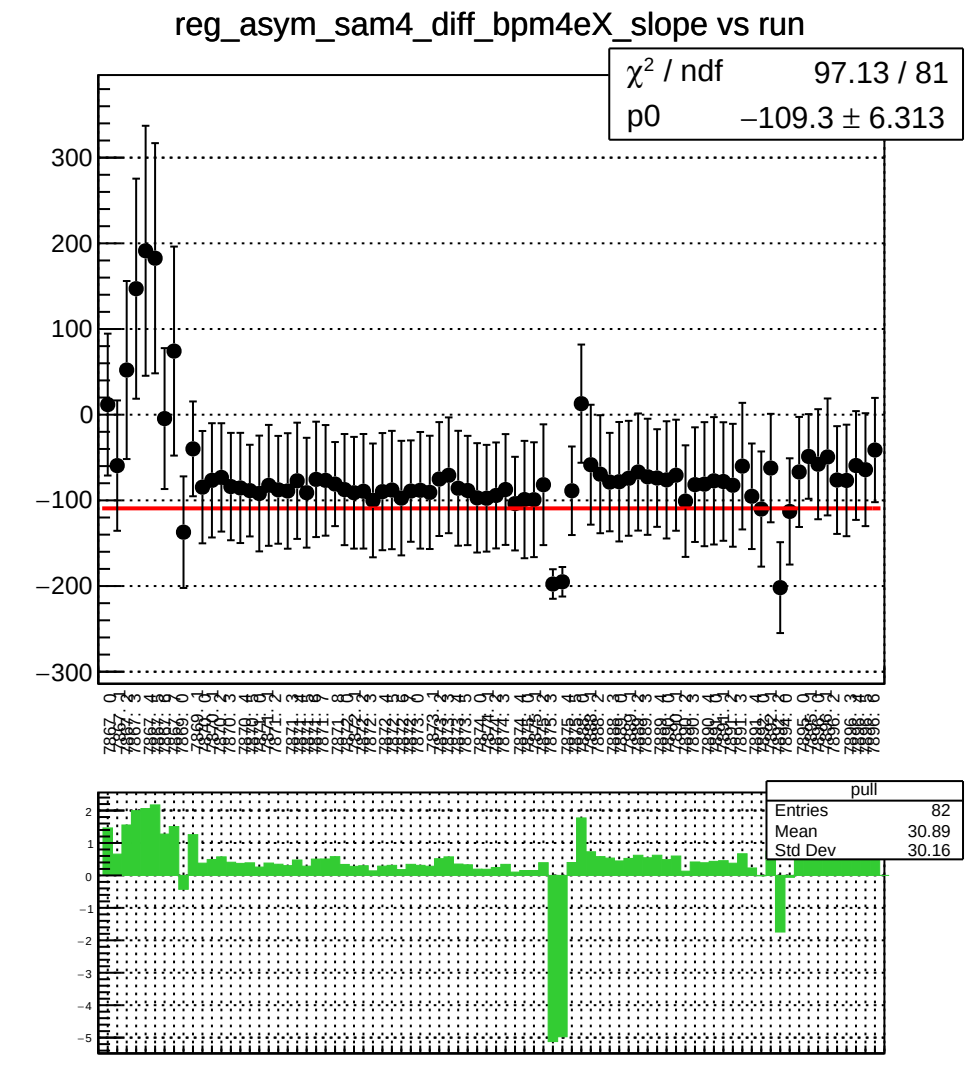

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 54.74 / 81
p0 −2.397 ± 0.2002
pull
Entries 82
Mean −22.58
Std Dev 38.35

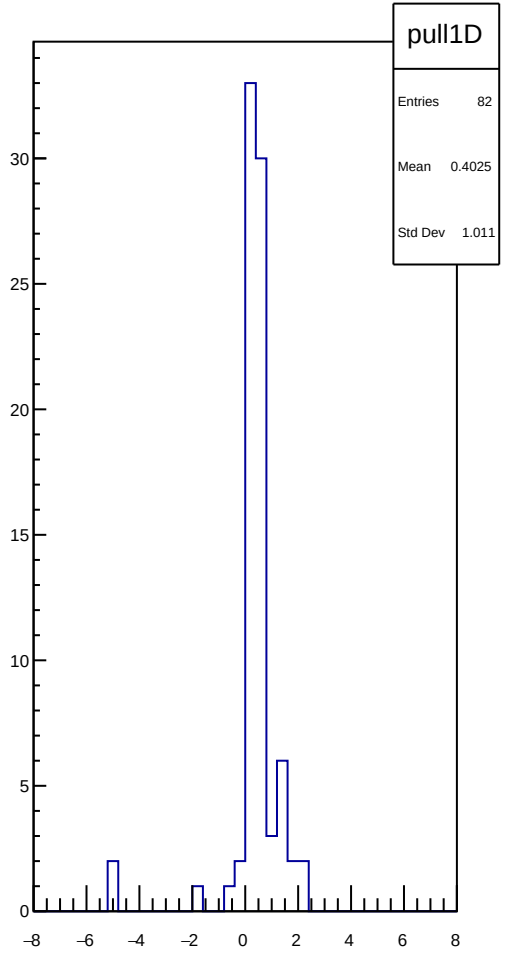

pull1D
Entries 82
Mean −0.08433
Std Dev 0.8127

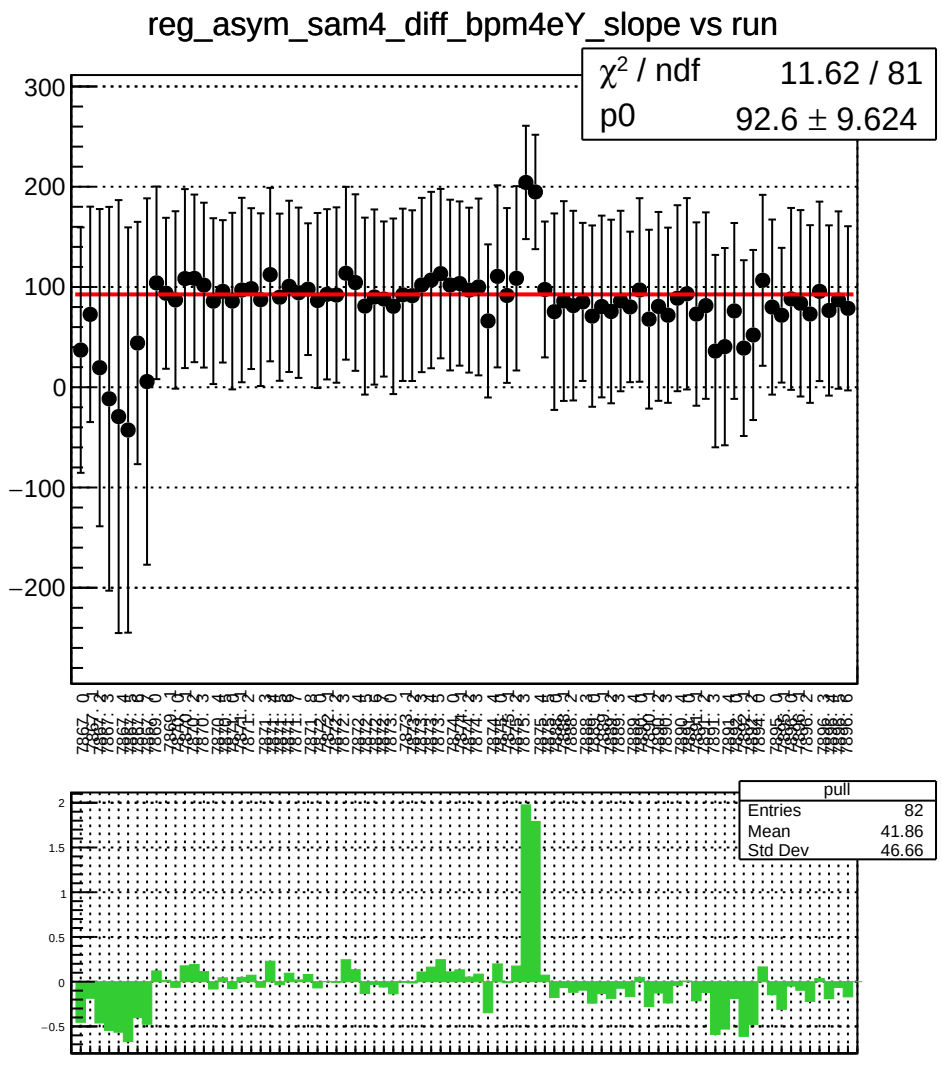

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 84.77 / 81
p0 −112.5 ± 7.491
pull
Entries 82
Mean 27.46
Std Dev 30.4
pull1D
Entries 82
Mean −0.3246
Std Dev 0.9635

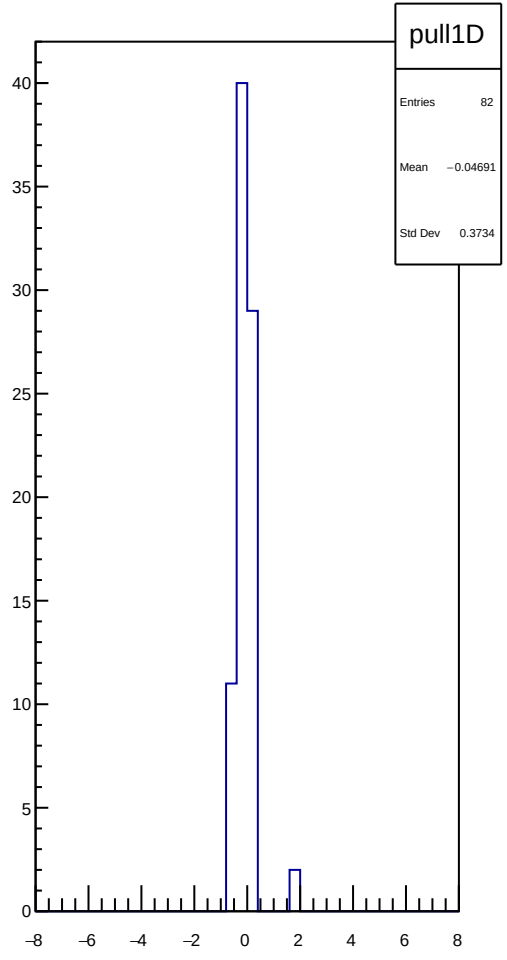

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 16.09 / 81
p0 125.5 ± 8.295
400
300
200
100
0
pull
Entries 82
Mean 32.67
Std Dev 37.99
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

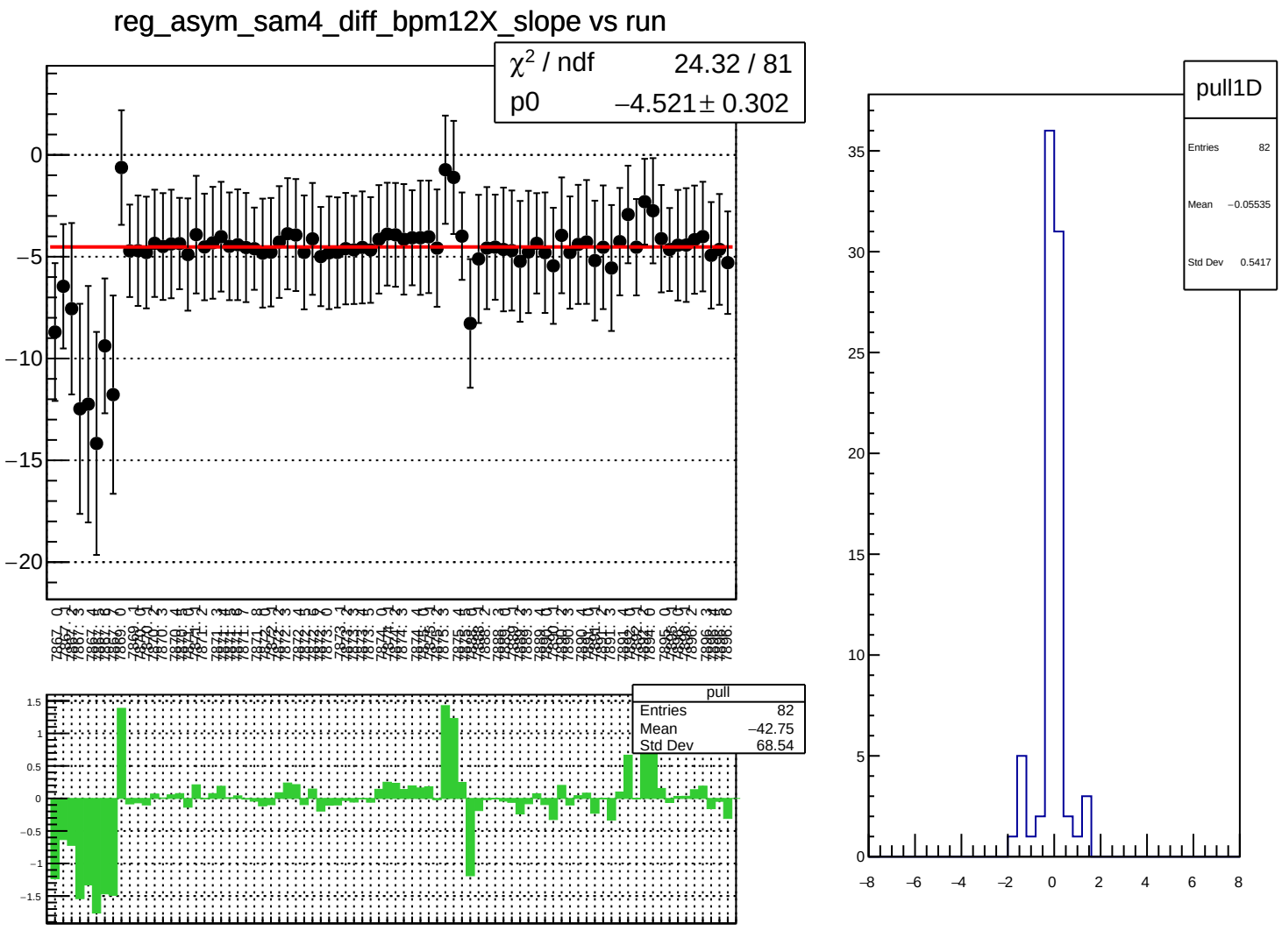

pull1D
Entries 82
Mean 0.07171
Std Dev 0.4371
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

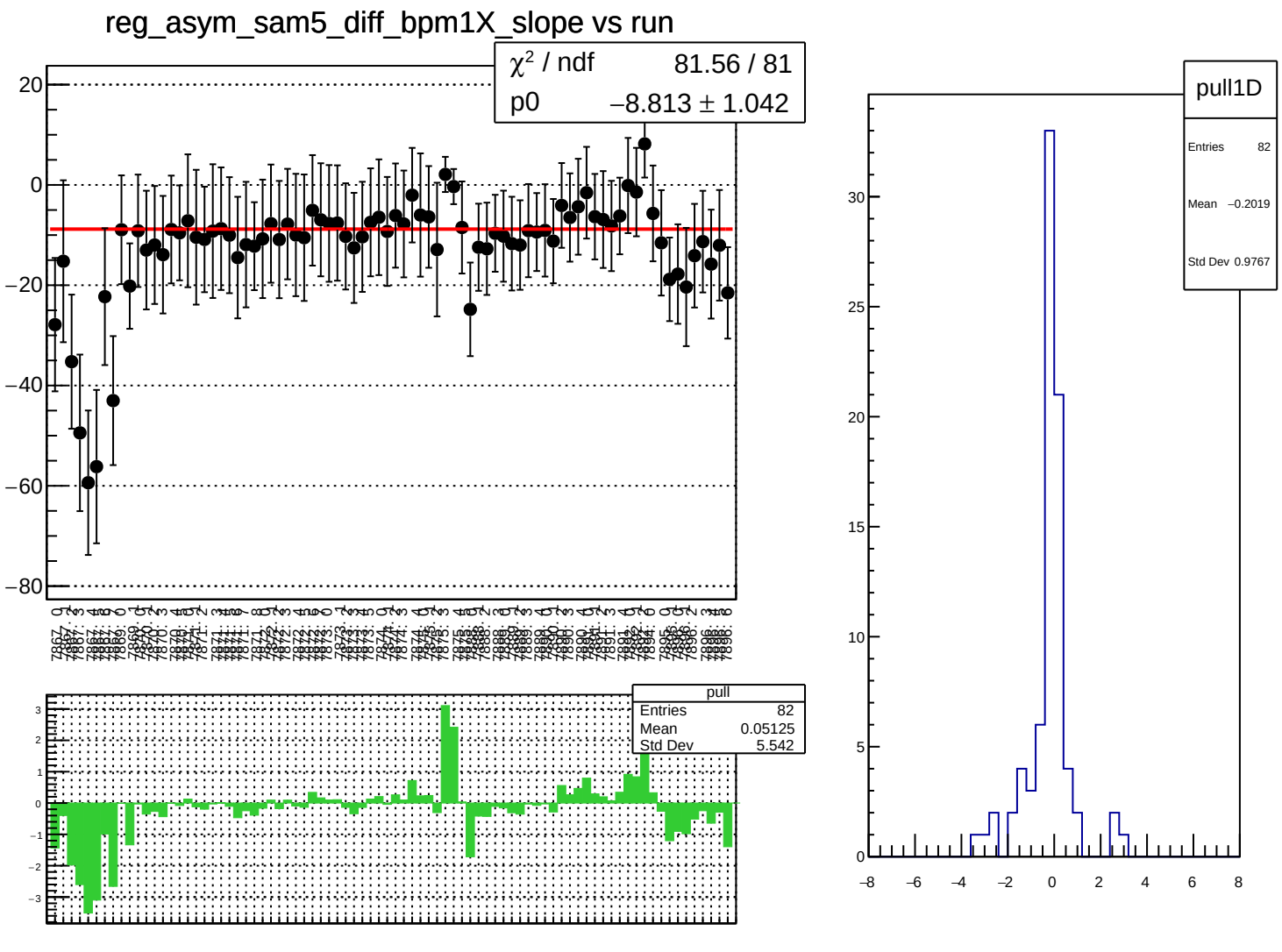

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 97.13 / 81
p0 −109.3 ± 6.313
pull
Entries 82
Mean 30.89
Std Dev 30.16

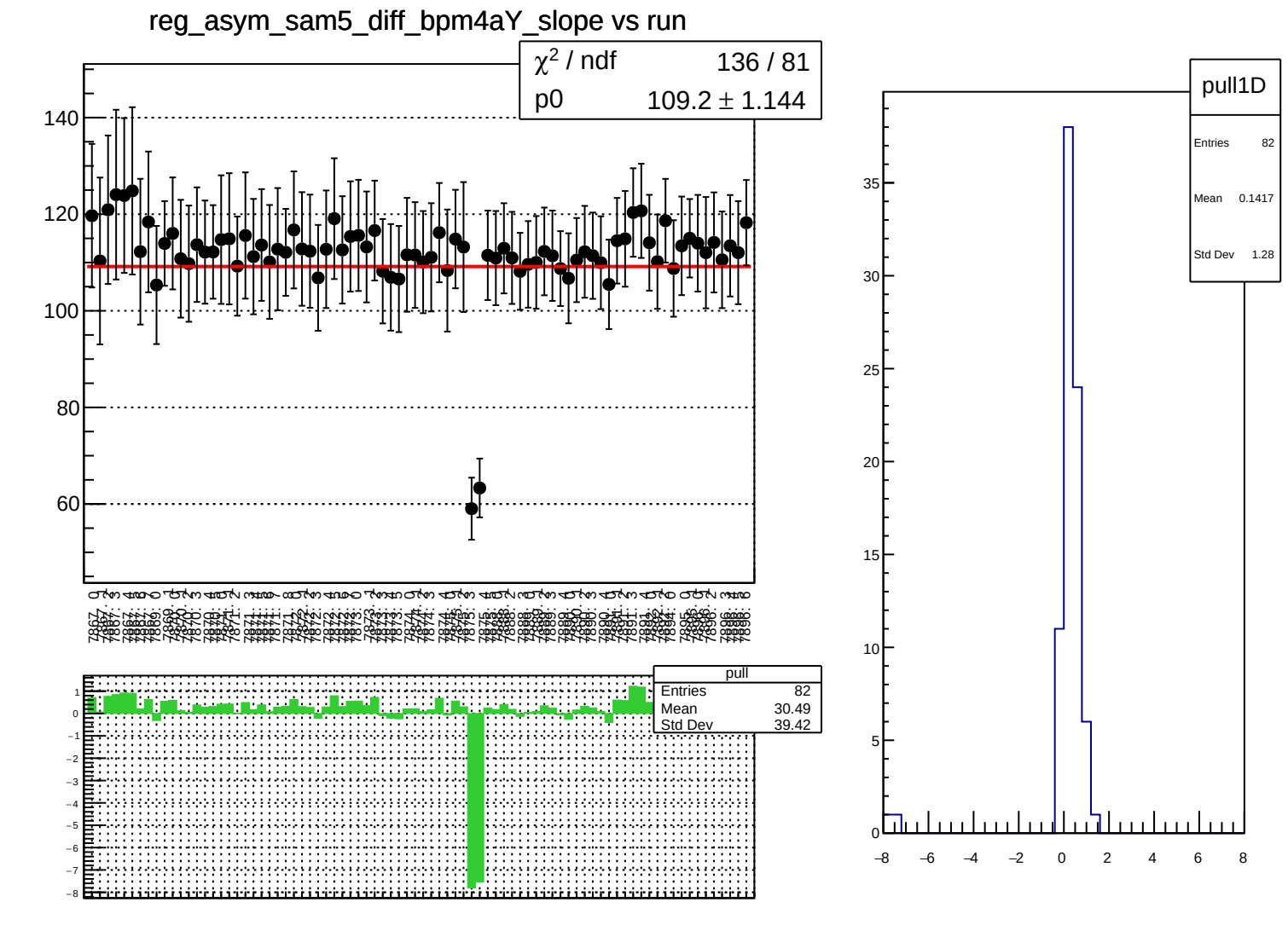

pull1D
Entries 82
Mean 0.4025
Std Dev 1.011

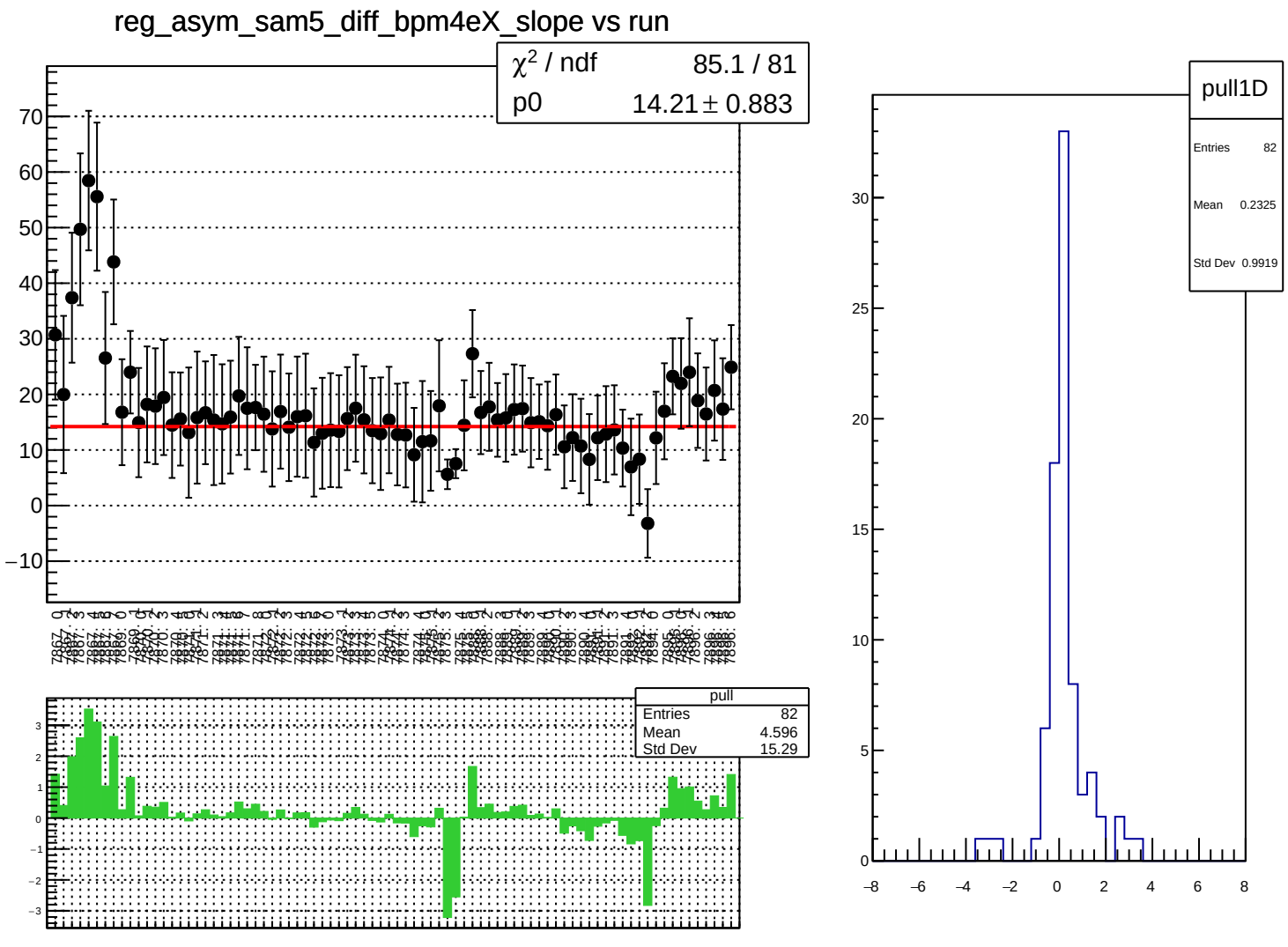

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 11.62 / 81
p0 92.6 ± 9.624
300
200
100
0
−100
−200
pull
Entries 82
Mean 41.86
Std Dev 46.66
2
1.5
1
0.5
0
−0.5

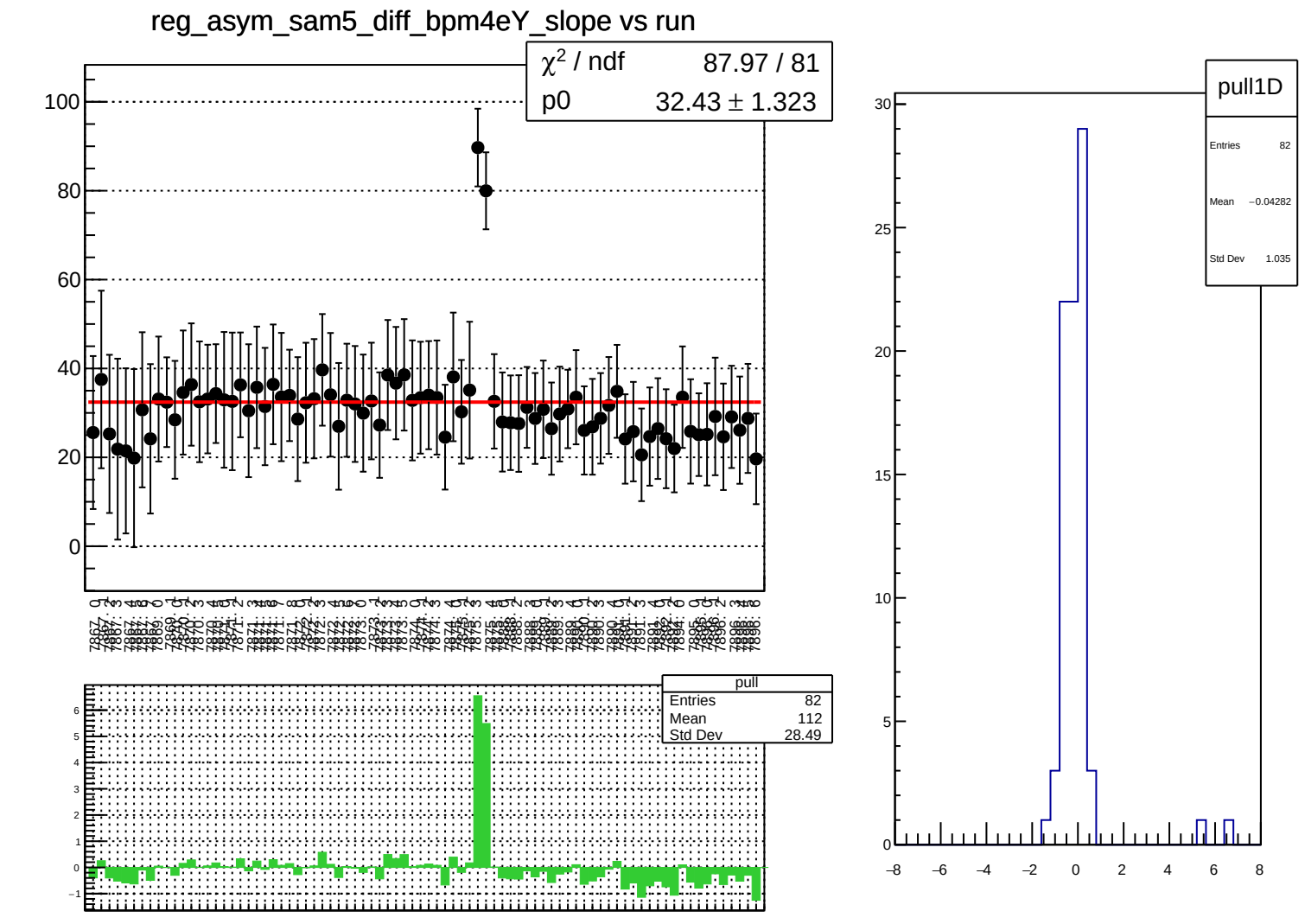

pull1D
Entries 82
Mean −0.04691
Std Dev 0.3734
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

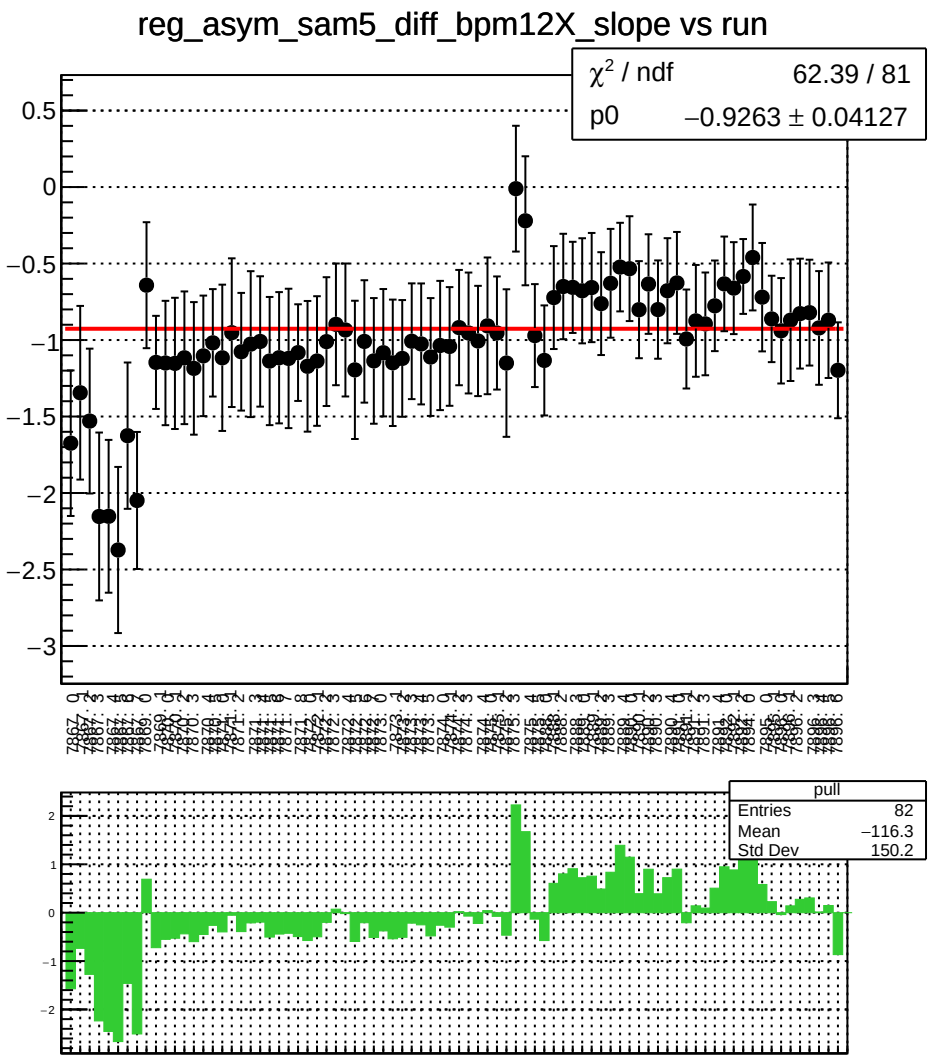

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 24.32 / 81
p0 −4.521 ± 0.302
pull
Entries 82
Mean −42.75
Std Dev 68.54
pull1D
Entries 82
Mean −0.05535
Std Dev 0.5417

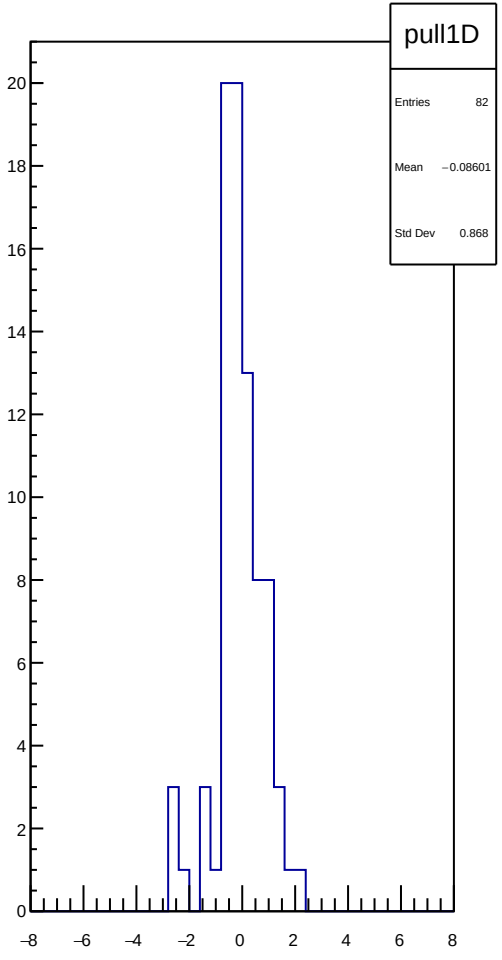

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 81.56 / 81
p0 −8.813 ± 1.042
pull
Entries 82
Mean 0.05125
Std Dev 5.542
pull1D
Entries 82
Mean −0.2019
Std Dev 0.9767

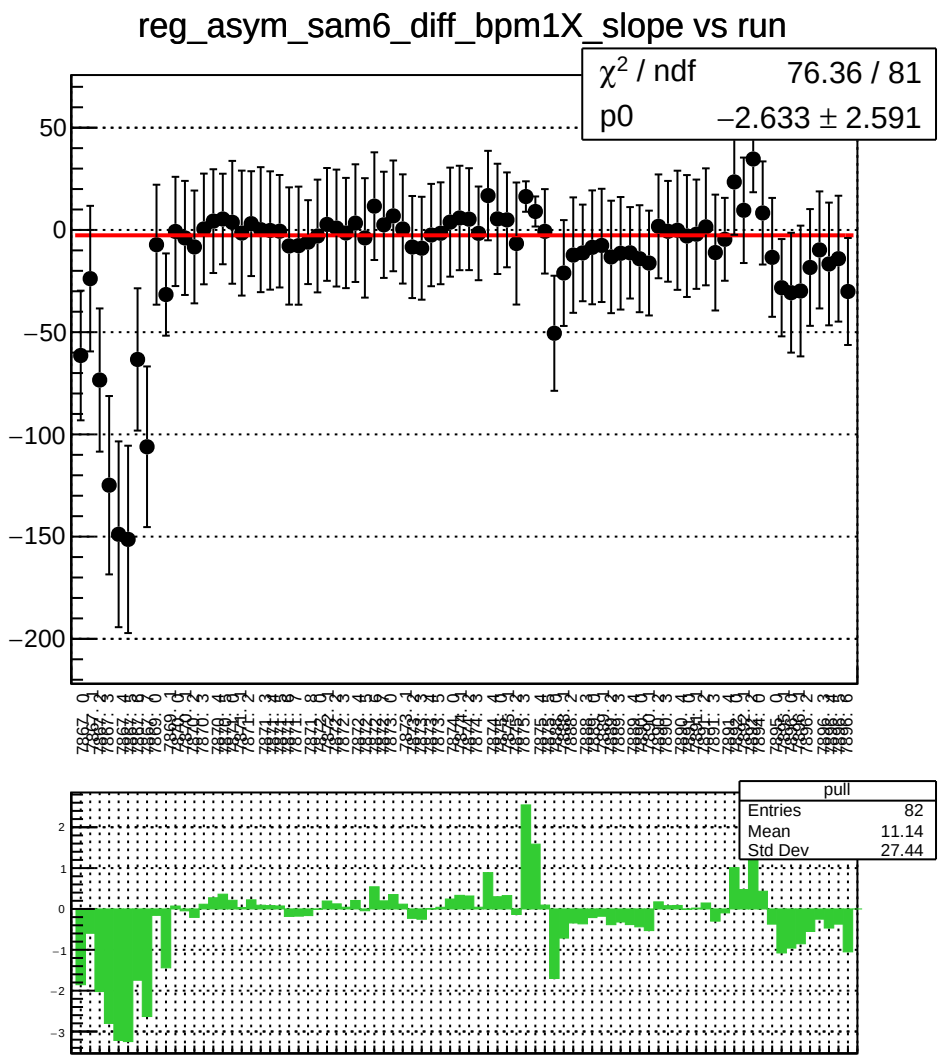

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 136 / 81
p0 109.2 ± 1.144
pull
Entries 82
Mean 30.49
Std Dev 39.42
pull1D
Entries 82
Mean 0.1417
Std Dev 1.28

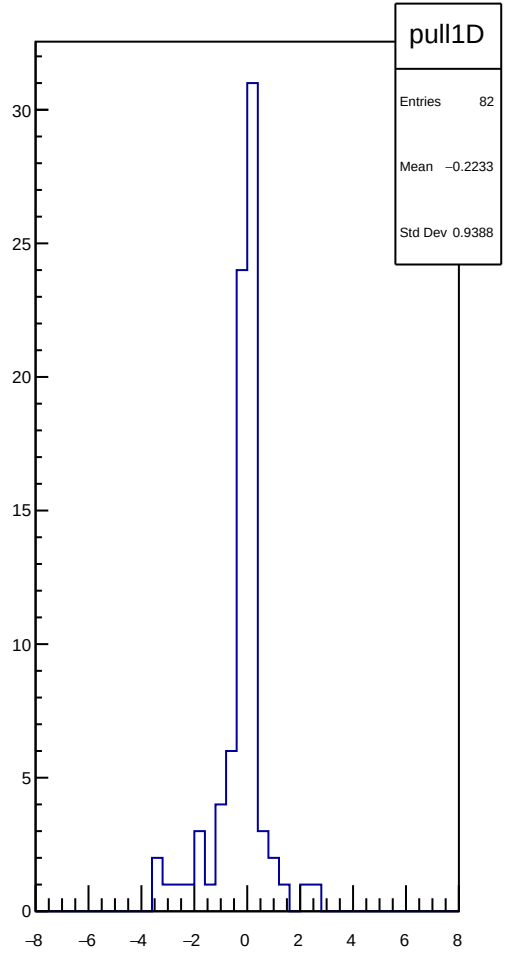

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 85.1 / 81
p0 14.21 ± 0.883
pull
Entries 82
Mean 4.596
Std Dev 15.29
pull1D
Entries 82
Mean 0.2325
Std Dev 0.9919

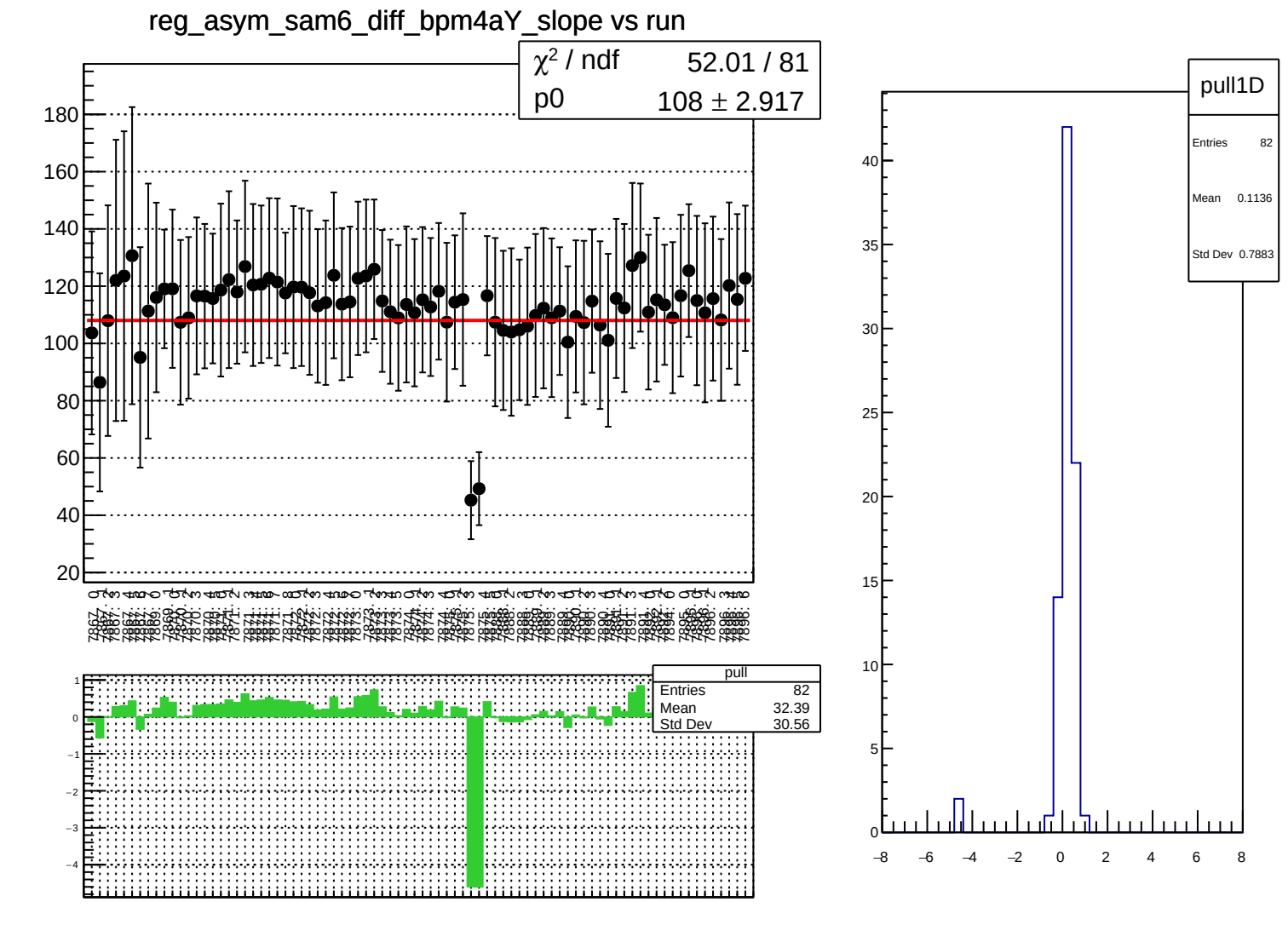

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 87.97 / 81
p0 32.43 ± 1.323
pull
Entries 82
Mean 112
Std Dev 28.49
pull1D
Entries 82
Mean −0.04282
Std Dev 1.035

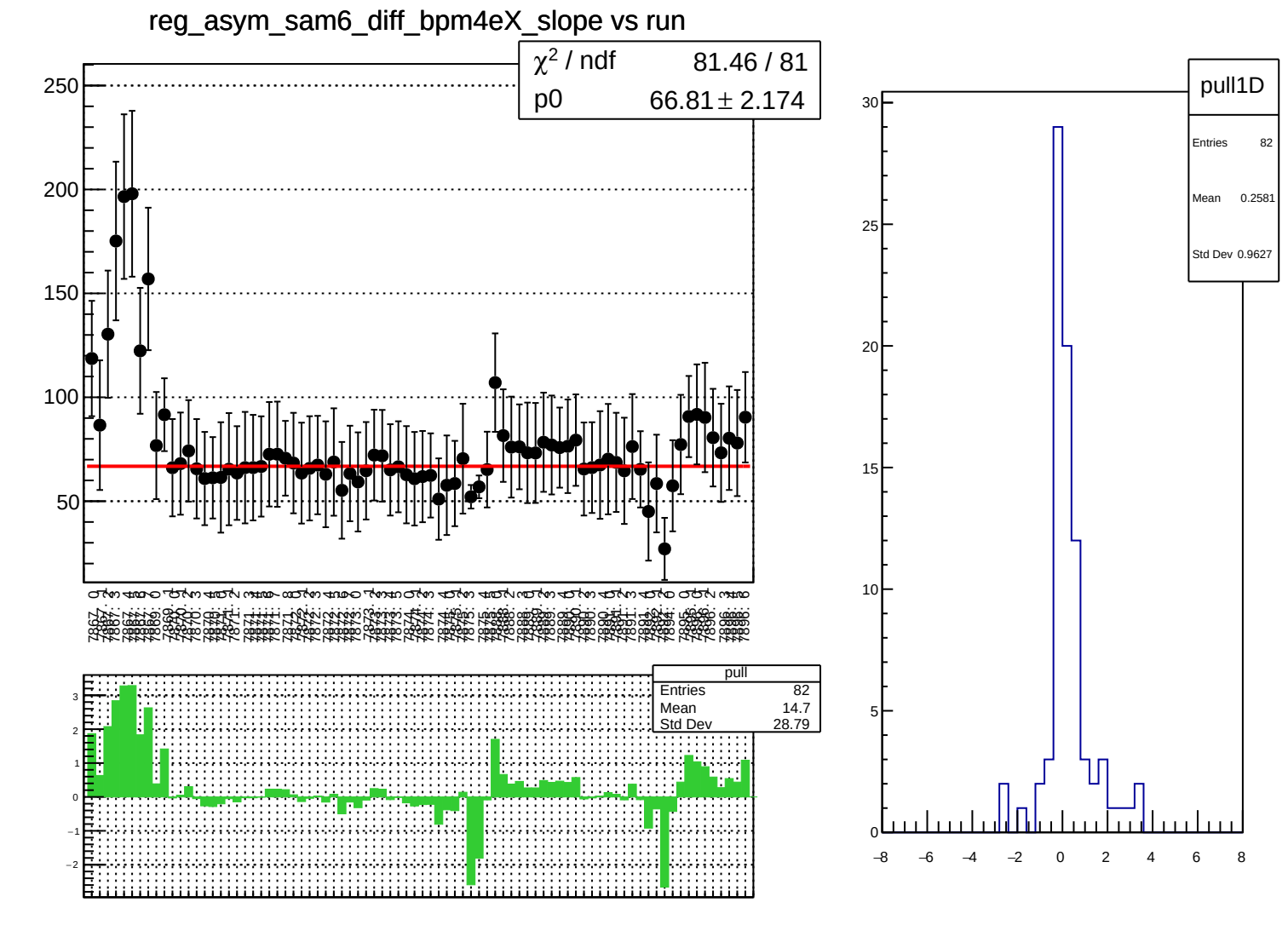

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 62.39 / 81
p0 −0.9263 ± 0.04127
pull
Entries 82
Mean −116.3
Std Dev 150.2

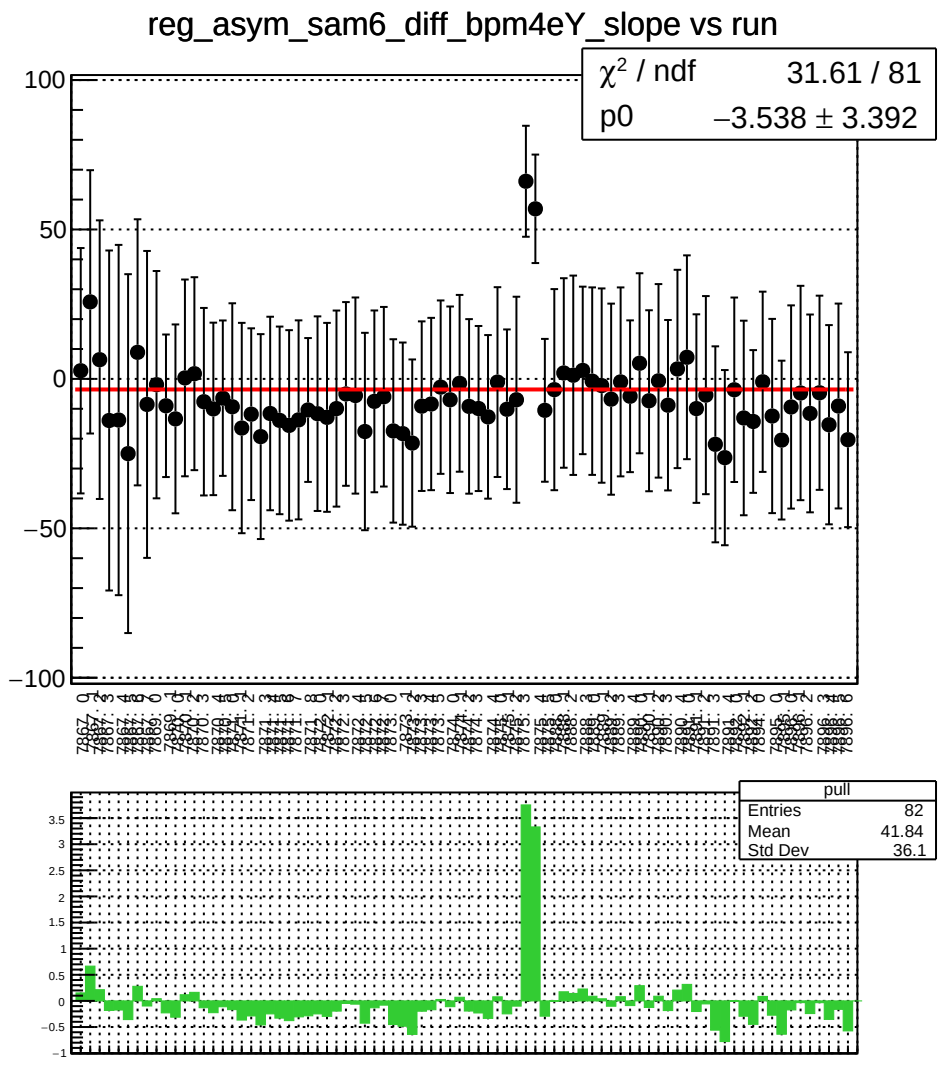

pull1D
Entries 82
Mean −0.08601
Std Dev 0.868

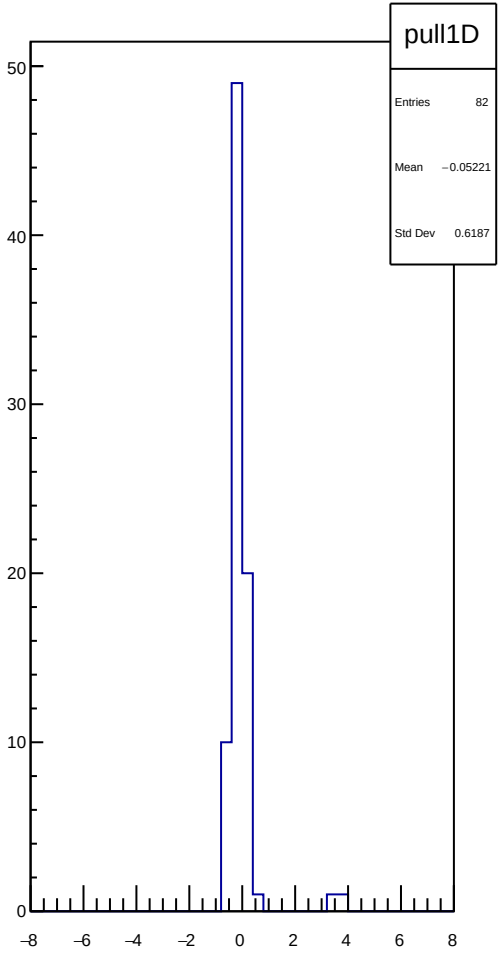

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 76.36 / 81
p0 −2.633 ± 2.591
pull
Entries 82
Mean 11.14
Std Dev 27.44

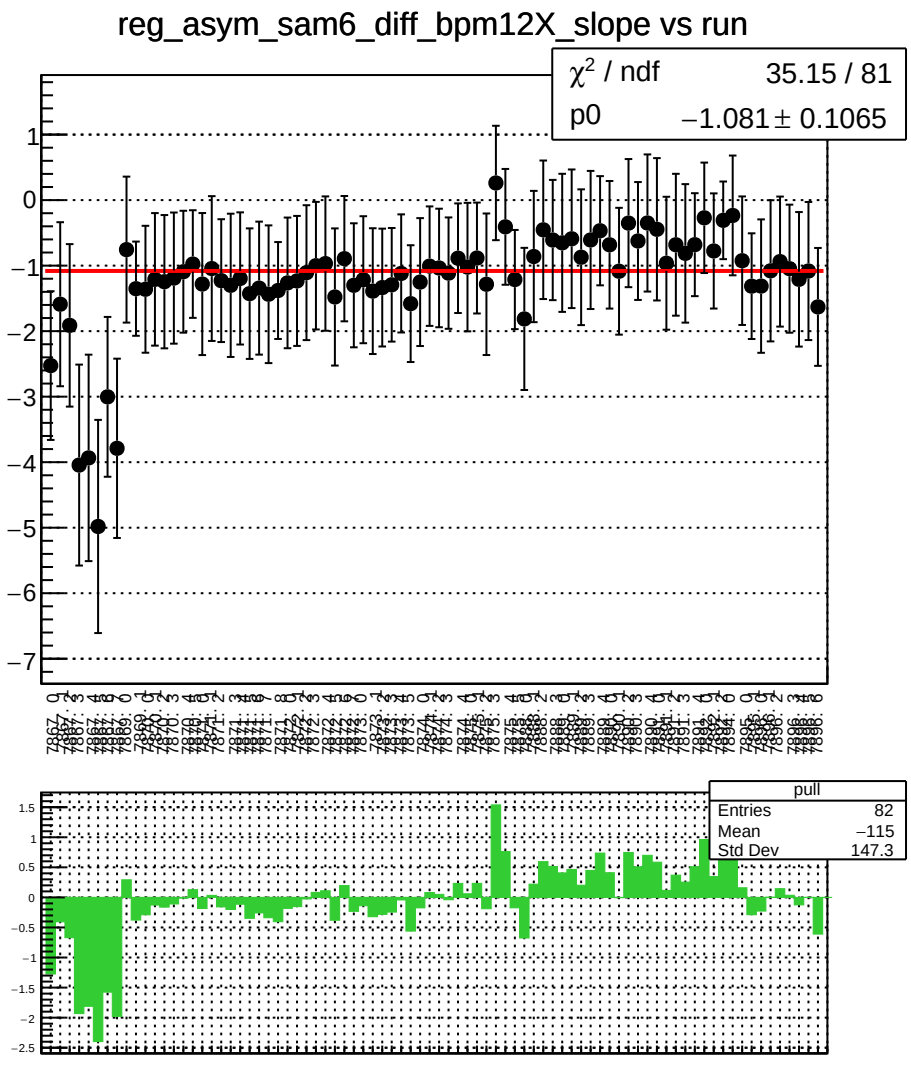

pull1D
Entries 82
Mean −0.2233
Std Dev 0.9388

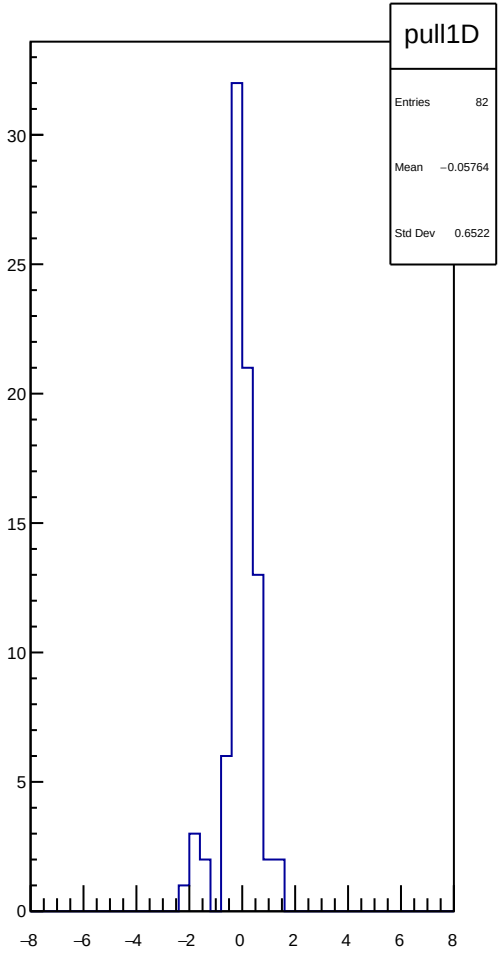

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 52.01 / 81
p0 108 ± 2.917
pull
Entries 82
Mean 32.39
Std Dev 30.56
pull1D
Entries 82
Mean 0.1136
Std Dev 0.7883

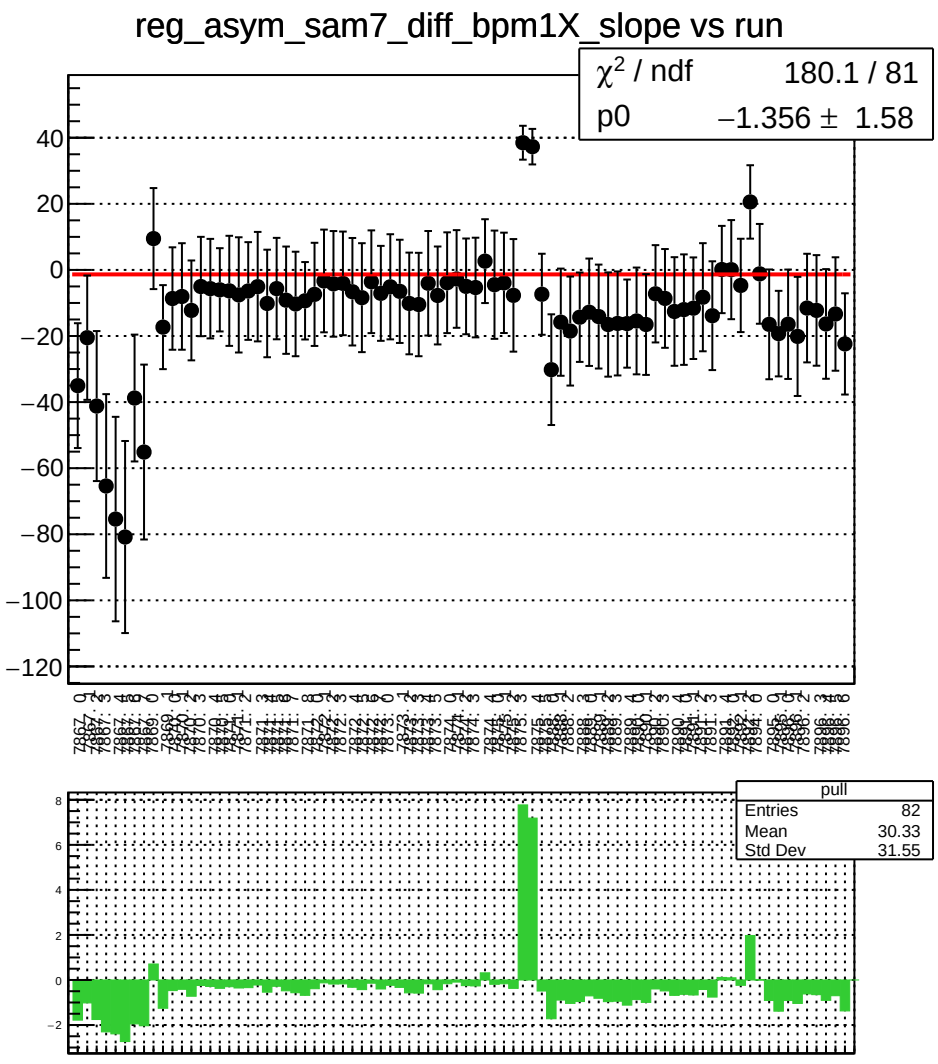

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 81.46 / 81
p0 66.81 ± 2.174
250
200
150
100
50
pull
Entries 82
Mean 14.7
Std Dev 28.79
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.2581
Std Dev 0.9627
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

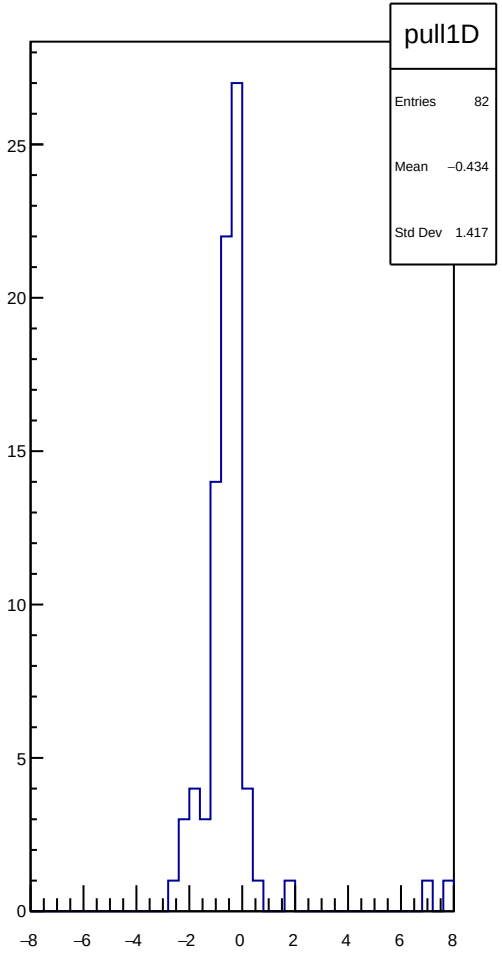

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 31.61 / 81
p0 −3.538 ± 3.392
pull
Entries 82
Mean 41.84
Std Dev 36.1

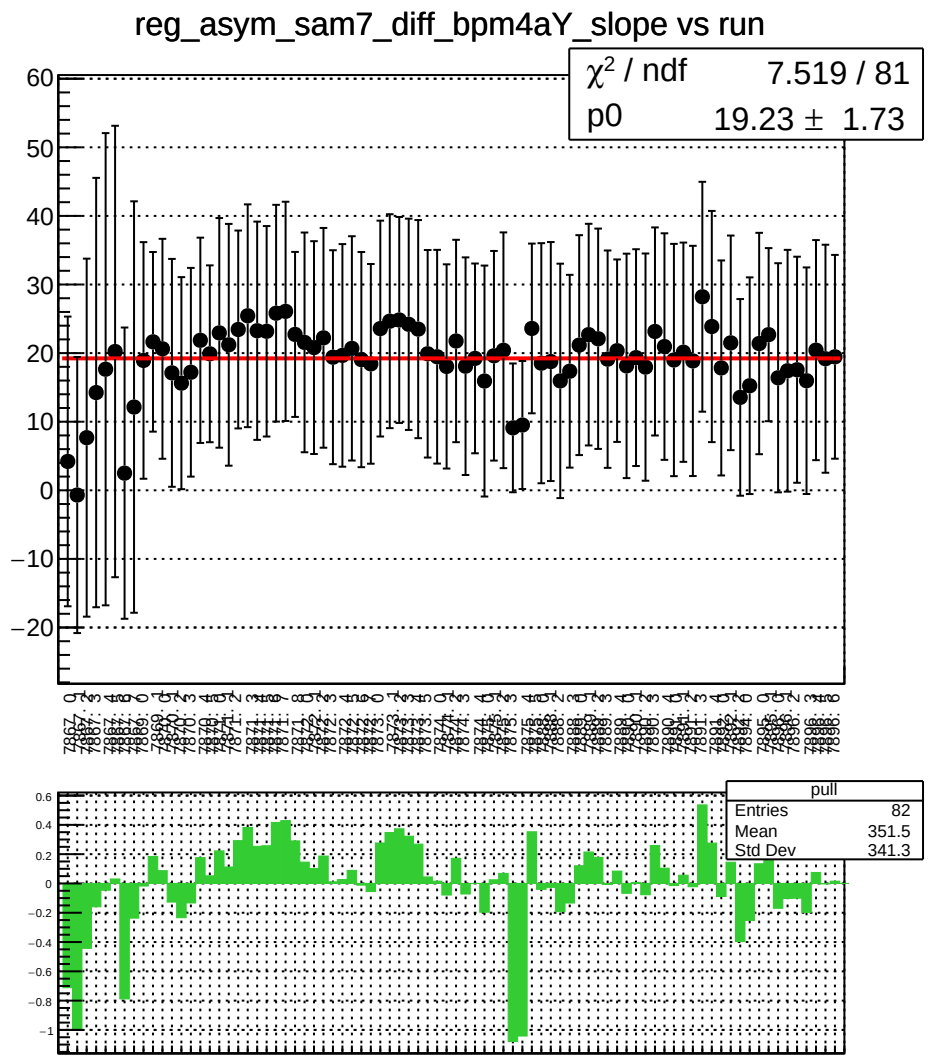

pull1D
Entries 82
Mean −0.05221
Std Dev 0.6187

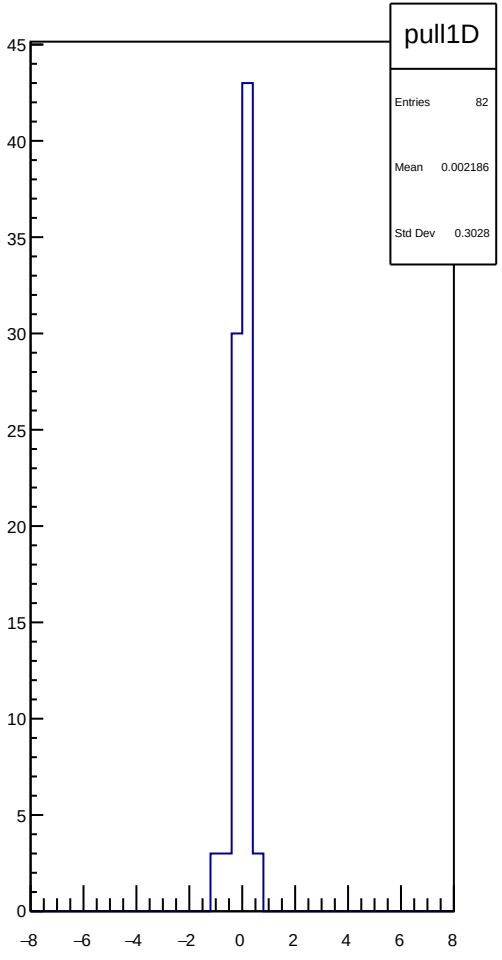

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 35.15 / 81
p0 −1.081 ± 0.1065
pull
Entries 82
Mean −115
Std Dev 147.3

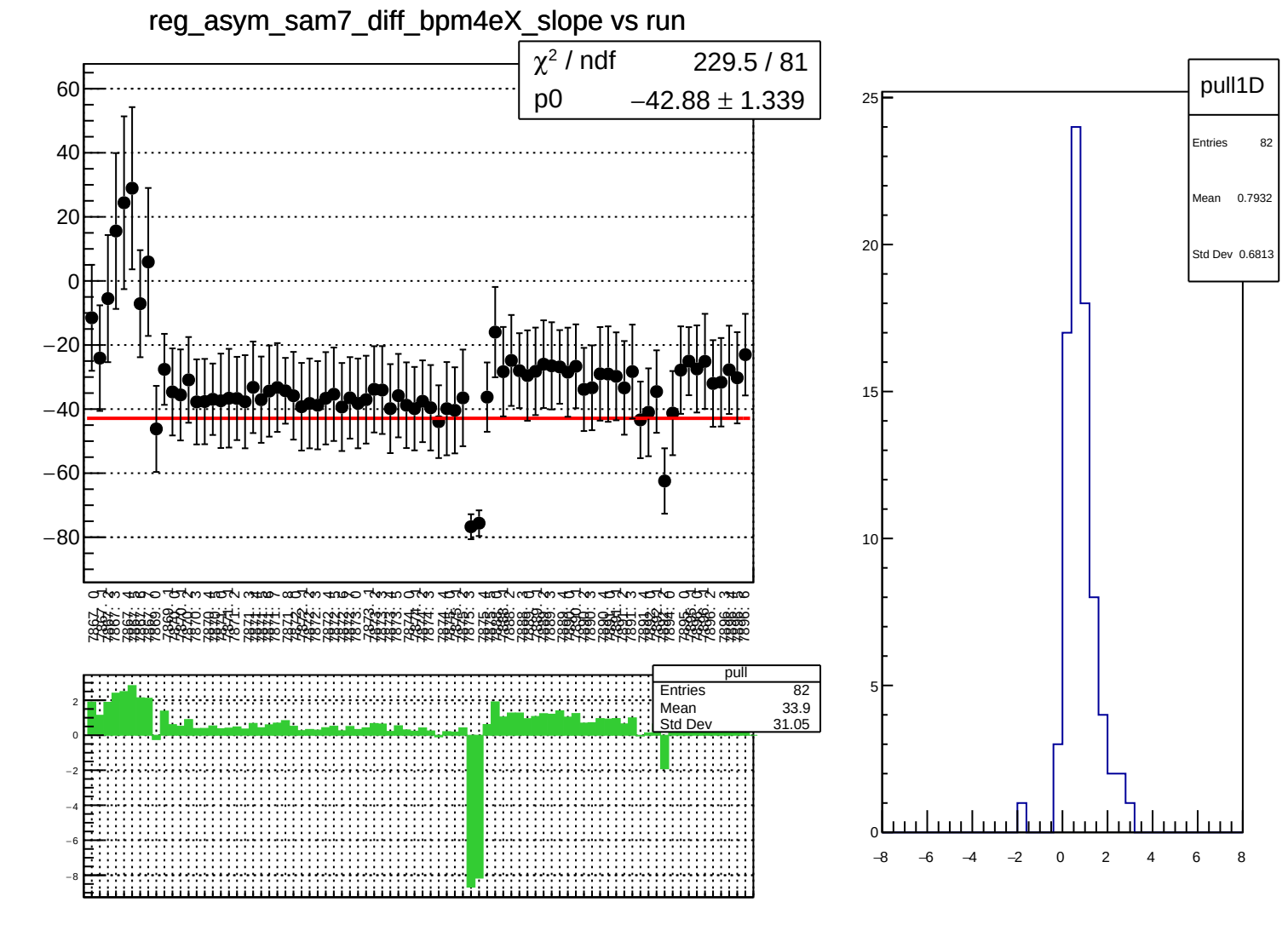

pull1D
Entries 82
Mean −0.05764
Std Dev 0.6522

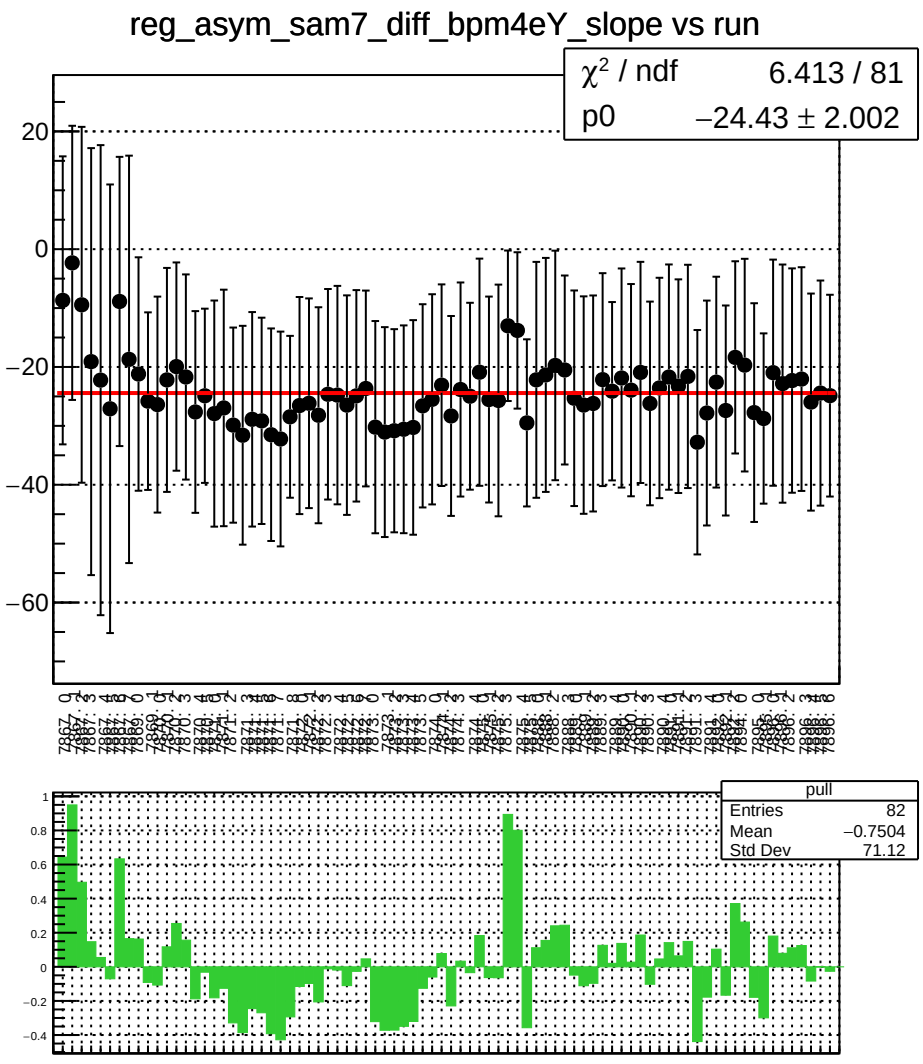

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 180.1 / 81
p0 −1.356 ± 1.58
pull
Entries 82
Mean 30.33
Std Dev 31.55

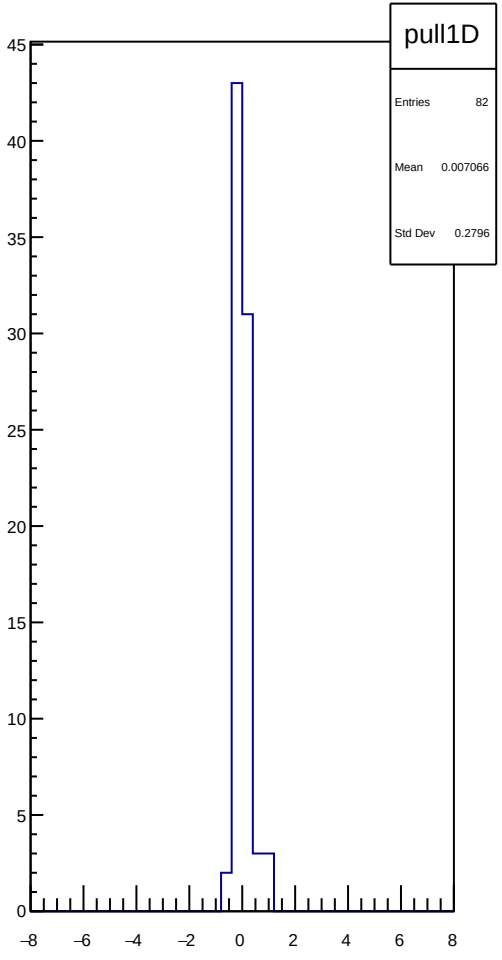

pull1D
Entries 82
Mean −0.434
Std Dev 1.417

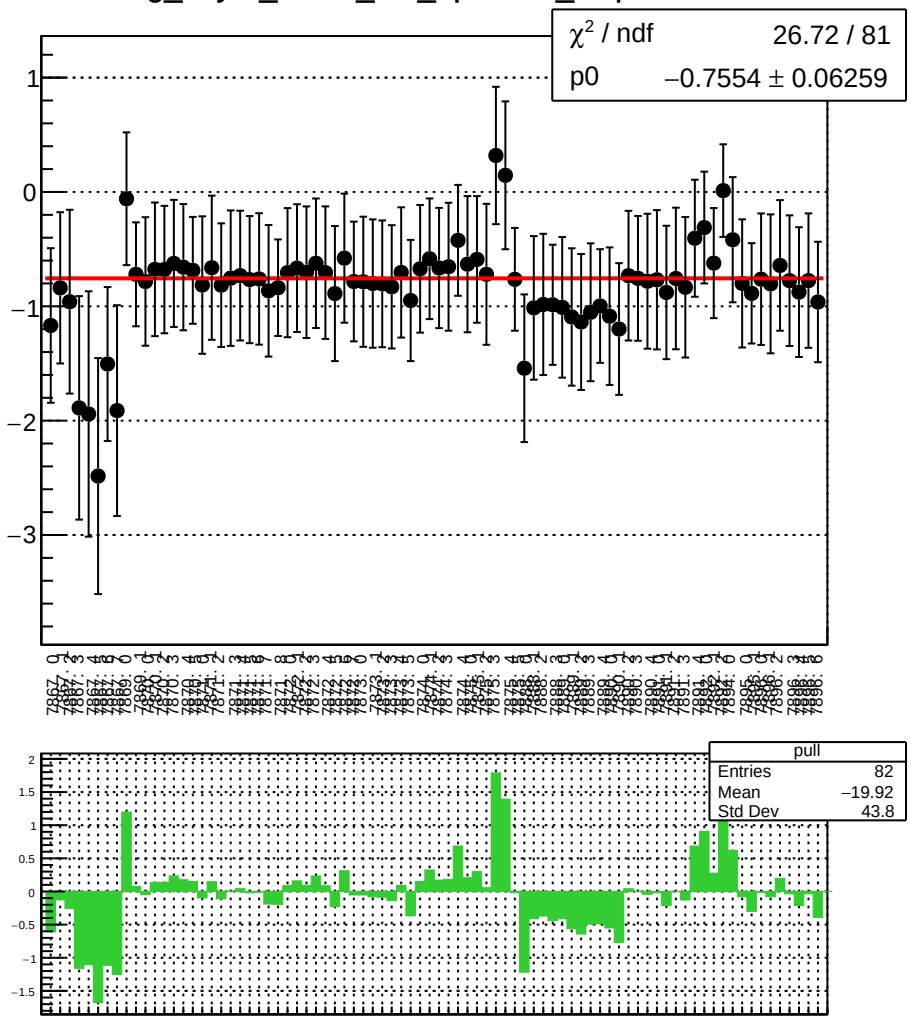

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 7.519 / 81
p0 19.23 ± 1.73
pull
Entries 82
Mean 351.5
Std Dev 341.3

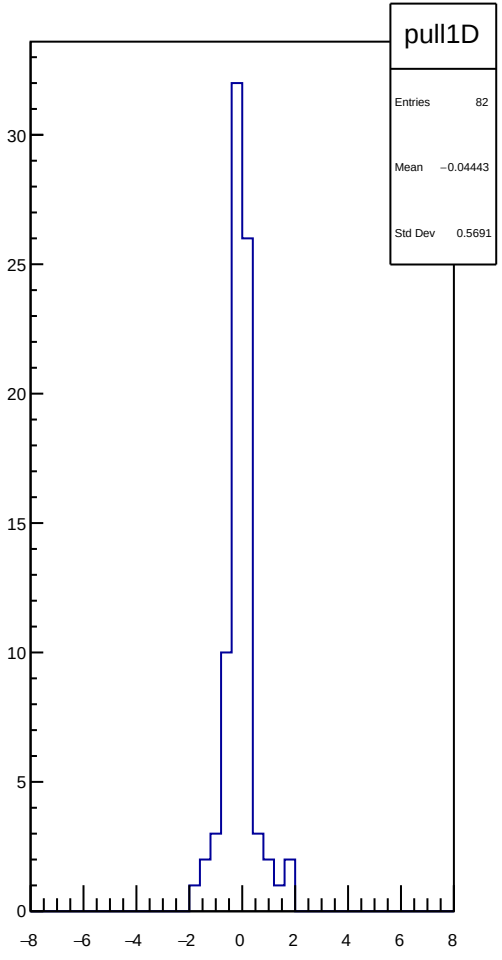

pull1D
Entries 82
Mean 0.002186
Std Dev 0.3028

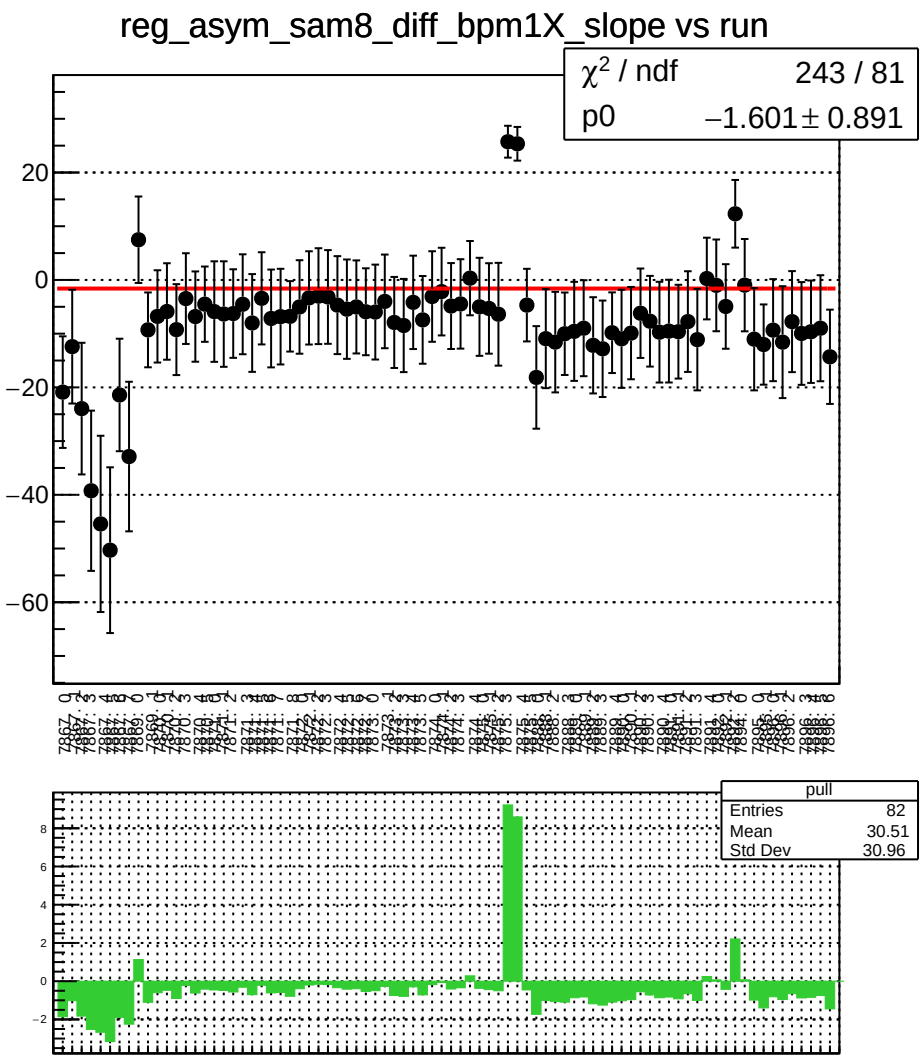

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 229.5 / 81
p0 −42.88 ± 1.339
pull
Entries 82
Mean 33.9
Std Dev 31.05
pull1D
Entries 82
Mean 0.7932
Std Dev 0.6813

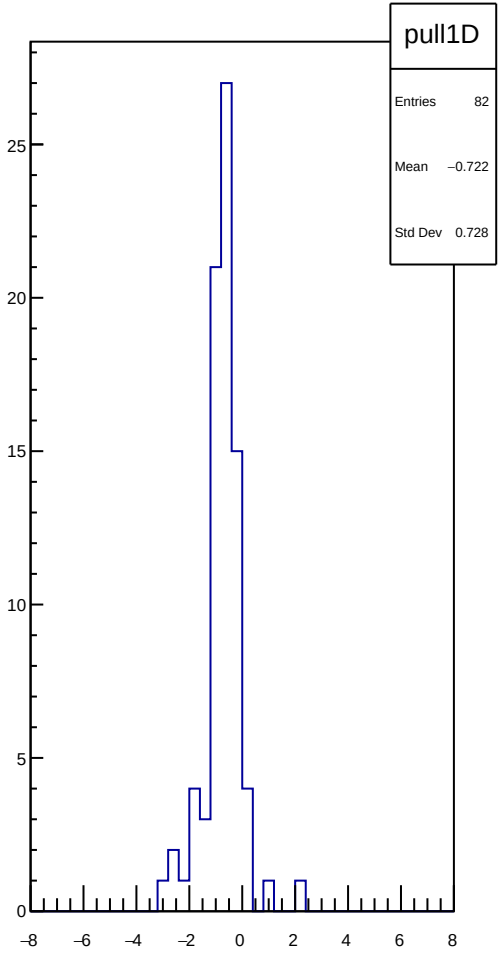

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 6.413 / 81
p0 −24.43 ± 2.002
pull
Entries 82
Mean −0.7504
Std Dev 71.12

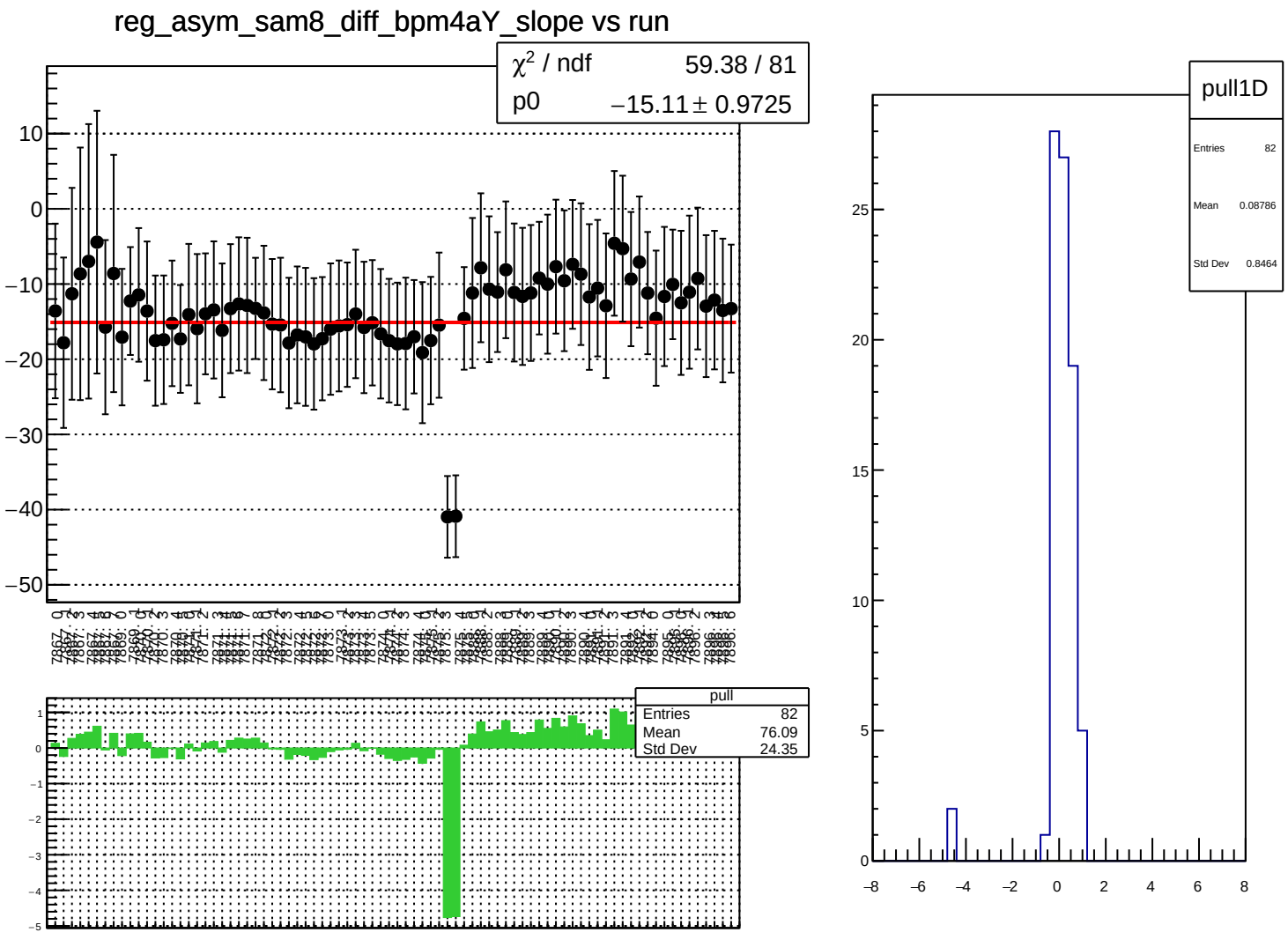

pull1D
Entries 82
Mean 0.007066
Std Dev 0.2796

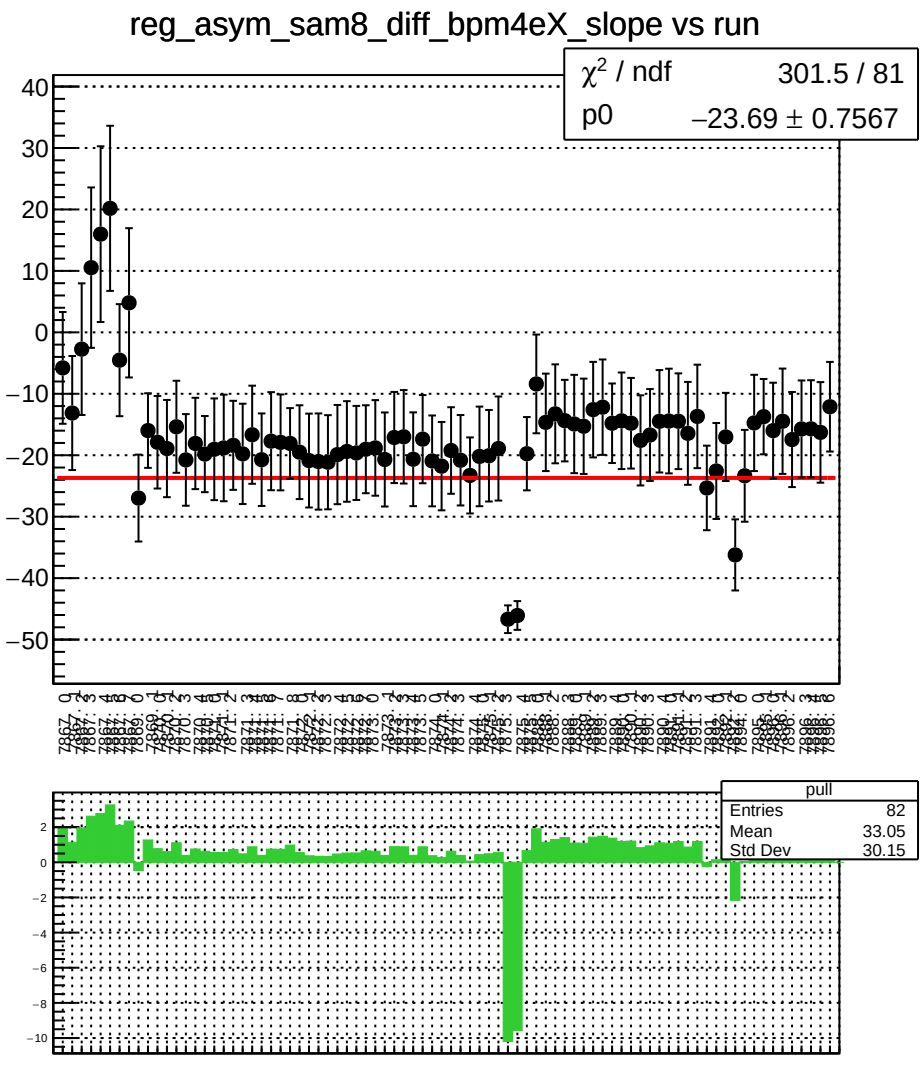

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 26.72 / 81
p0 −0.7554 ± 0.06259
pull
Entries 82
Mean −19.92
Std Dev 43.8

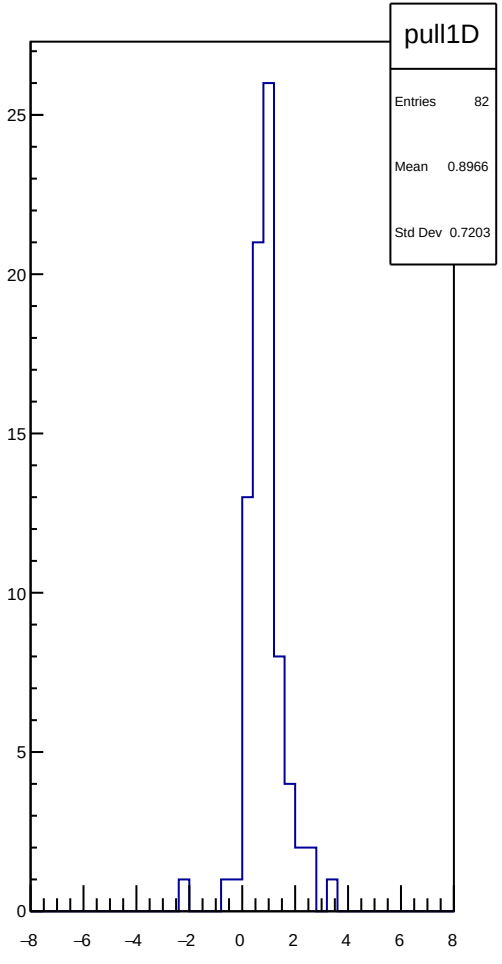

pull1D
Entries 82
Mean −0.04443
Std Dev 0.5691

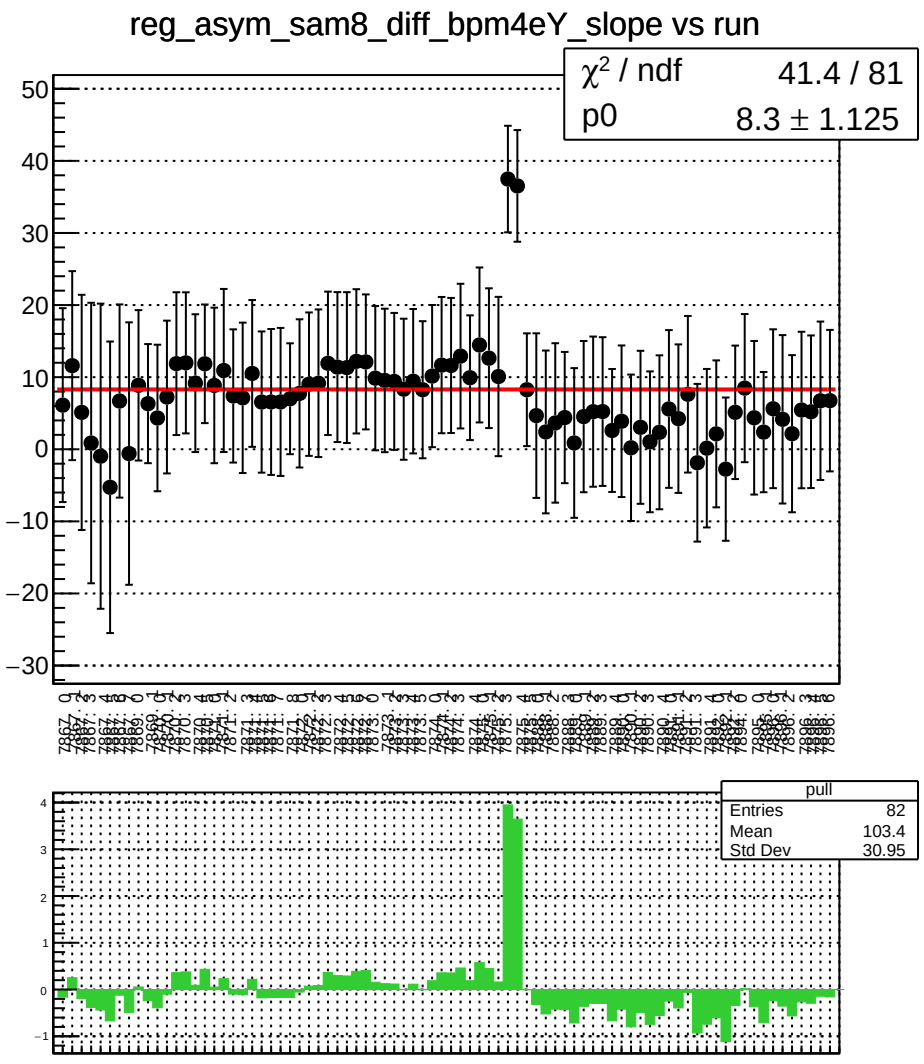

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 243 / 81
p0 −1.601 ± 0.891
20
0
−20
−40
−60
pull
Entries 82
Mean 30.51
Std Dev 30.96
8
6
4
2
0
−2

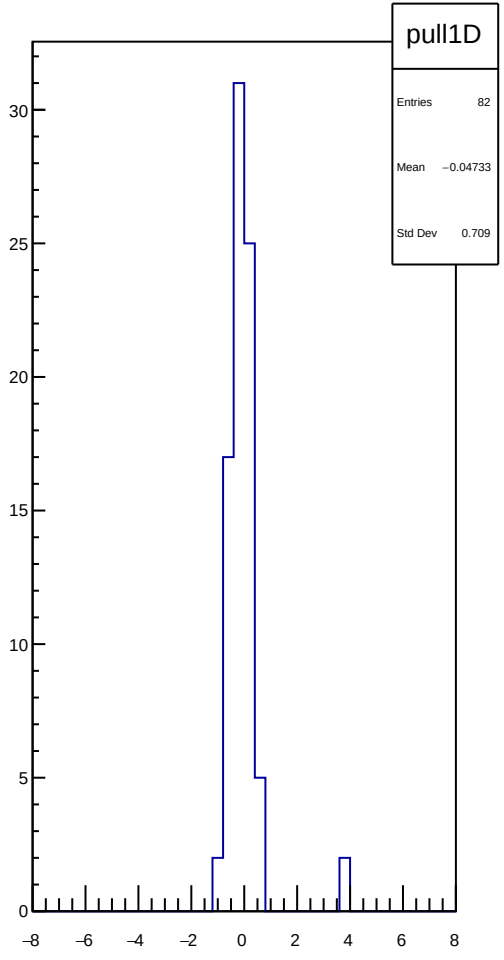

pull1D
Entries 82
Mean −0.722
Std Dev 0.728
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

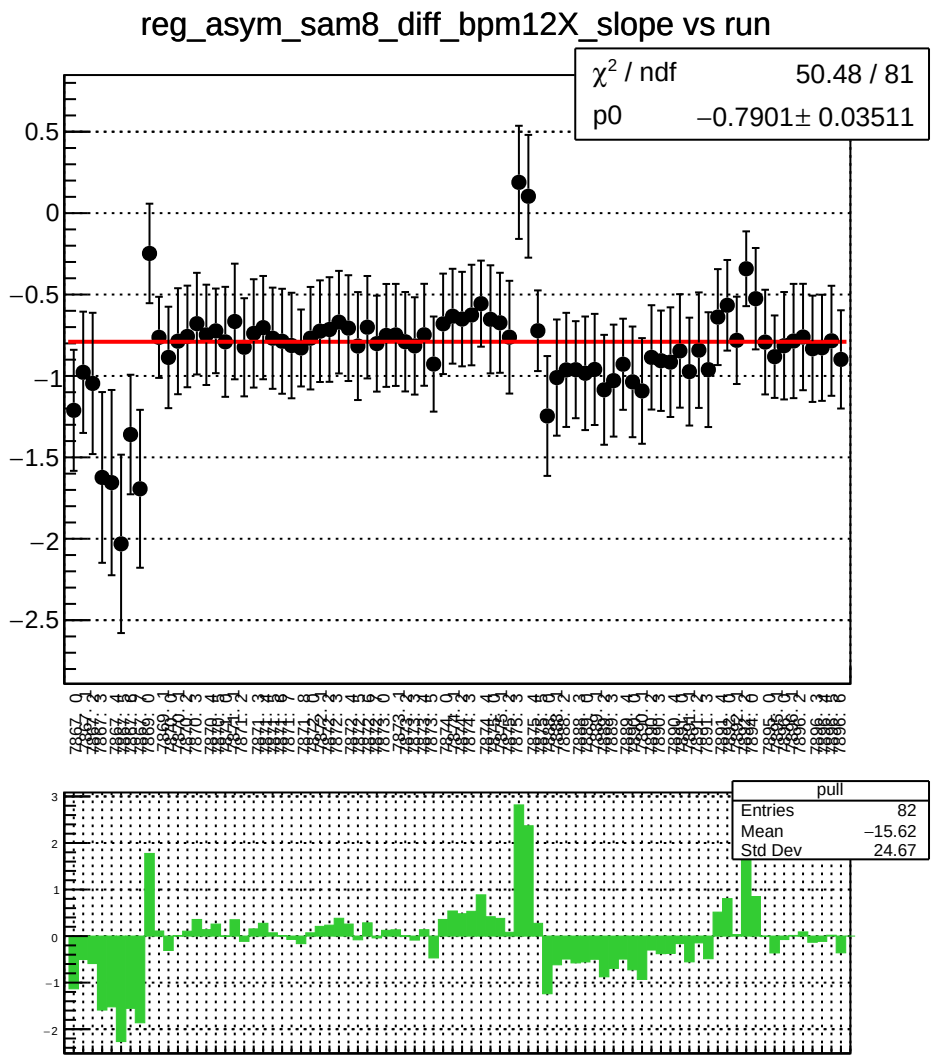

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 59.38 / 81
p0 −15.11 ± 0.9725
pull
Entries 82
Mean 76.09
Std Dev 24.35
pull1D
Entries 82
Mean 0.08786
Std Dev 0.8464

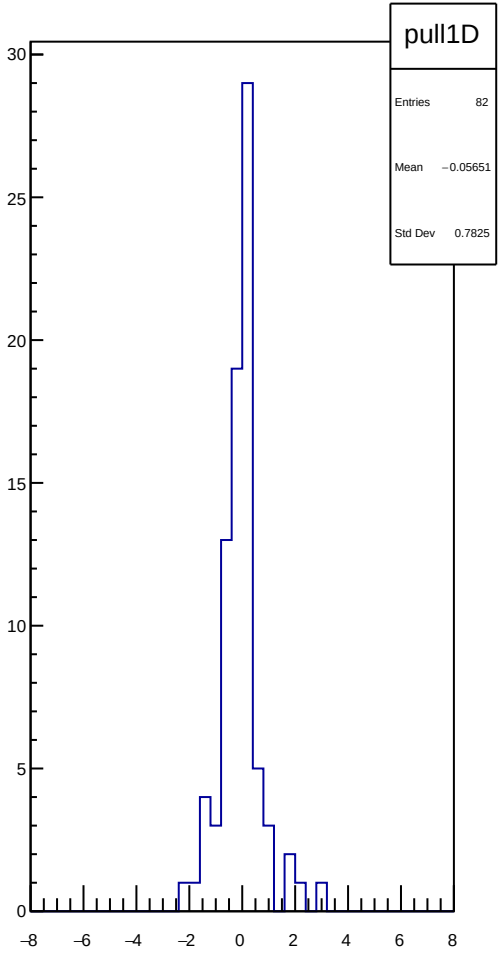

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 301.5 / 81
p0 −23.69 ± 0.7567
pull
Entries 82
Mean 33.05
Std Dev 30.15

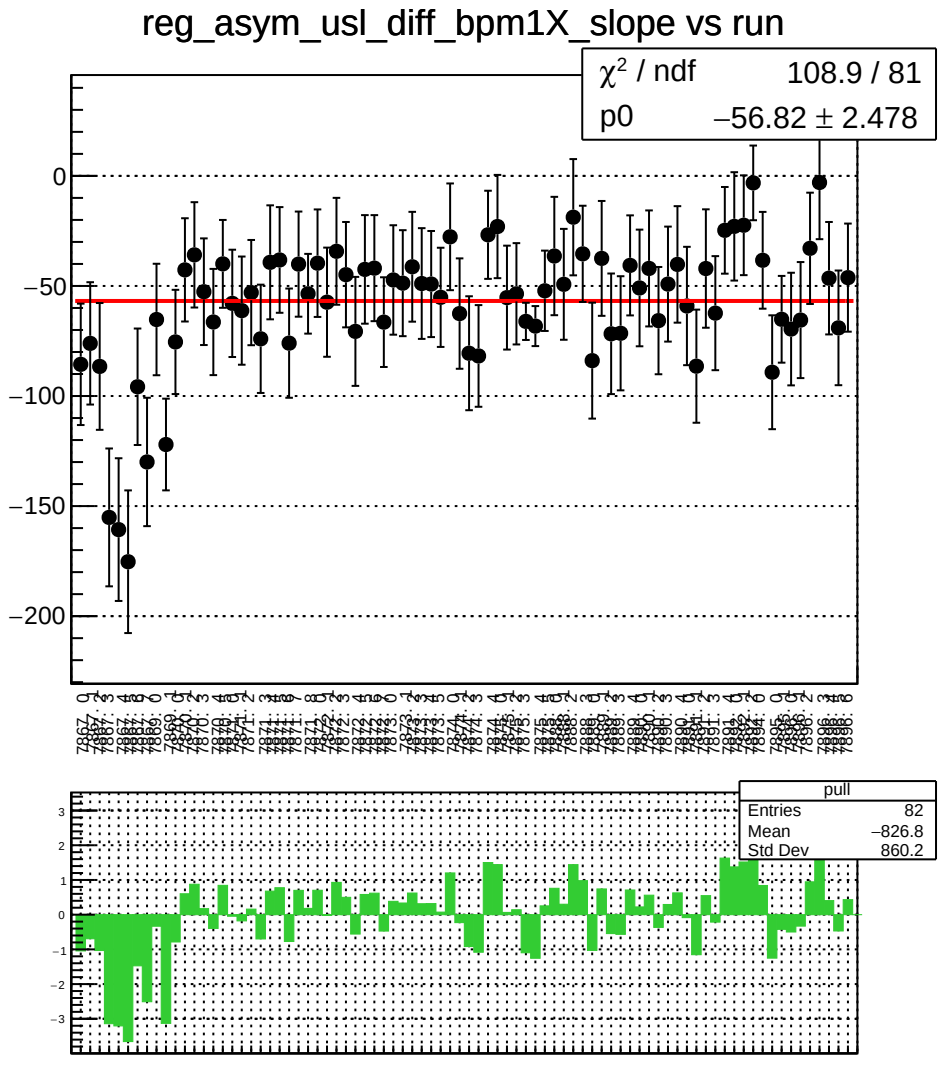

pull1D
Entries 82
Mean 0.8966
Std Dev 0.7203

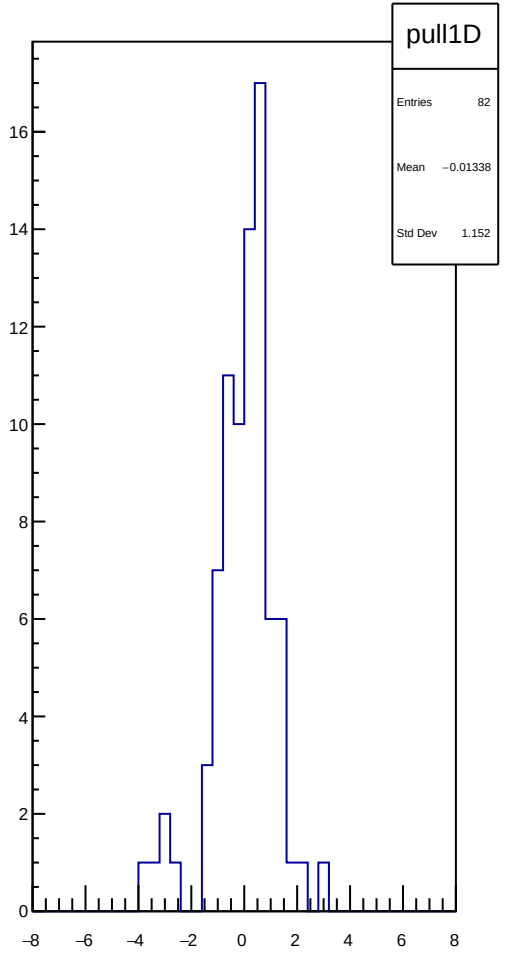

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 41.4 / 81
p0 8.3 ± 1.125
pull
Entries 82
Mean 103.4
Std Dev 30.95

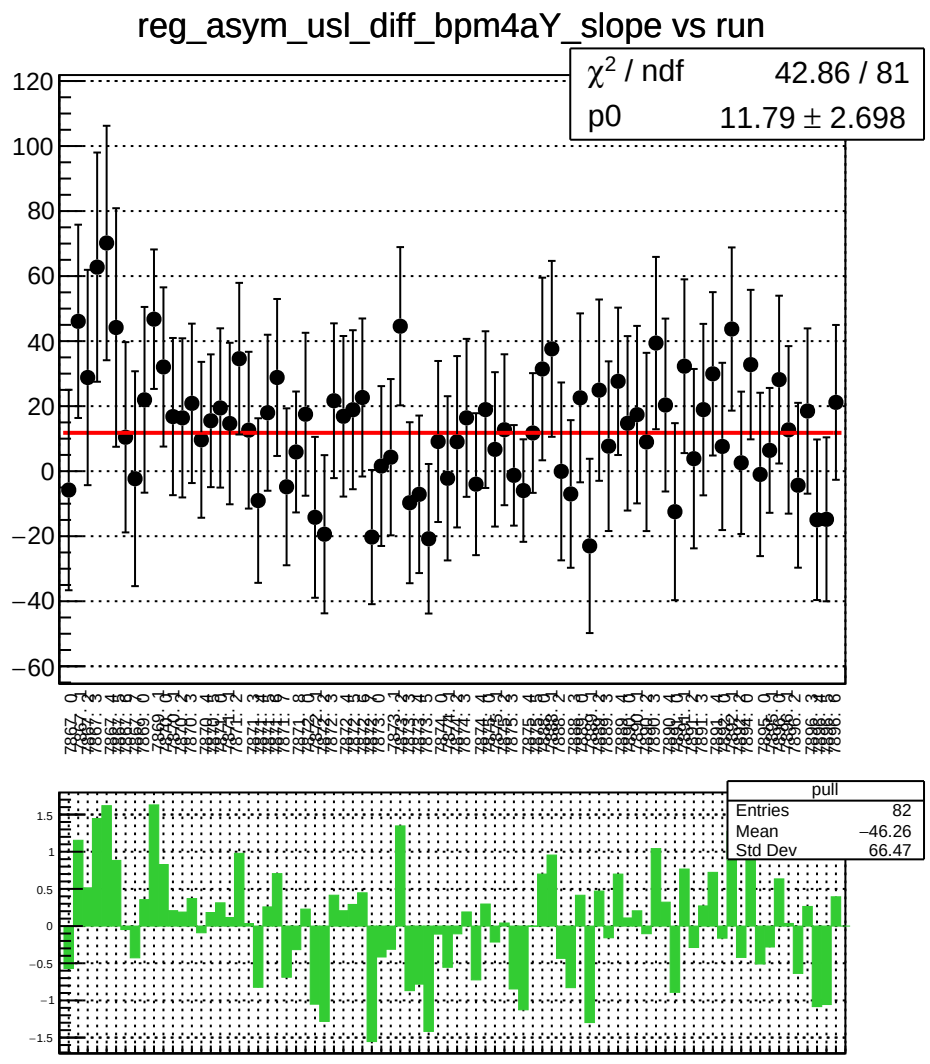

pull1D
Entries 82
Mean −0.04733
Std Dev 0.709

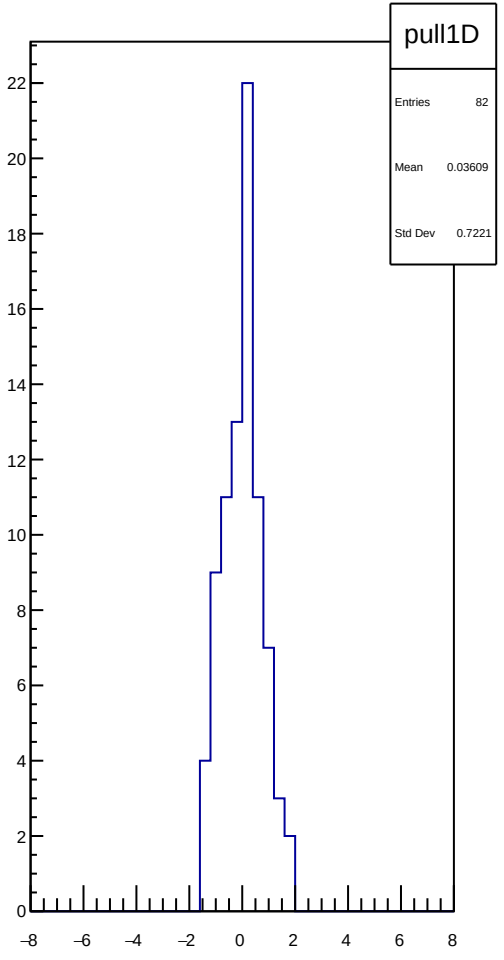

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 50.48 / 81
p0 −0.7901± 0.03511
pull
Entries 82
Mean −15.62
Std Dev 24.67

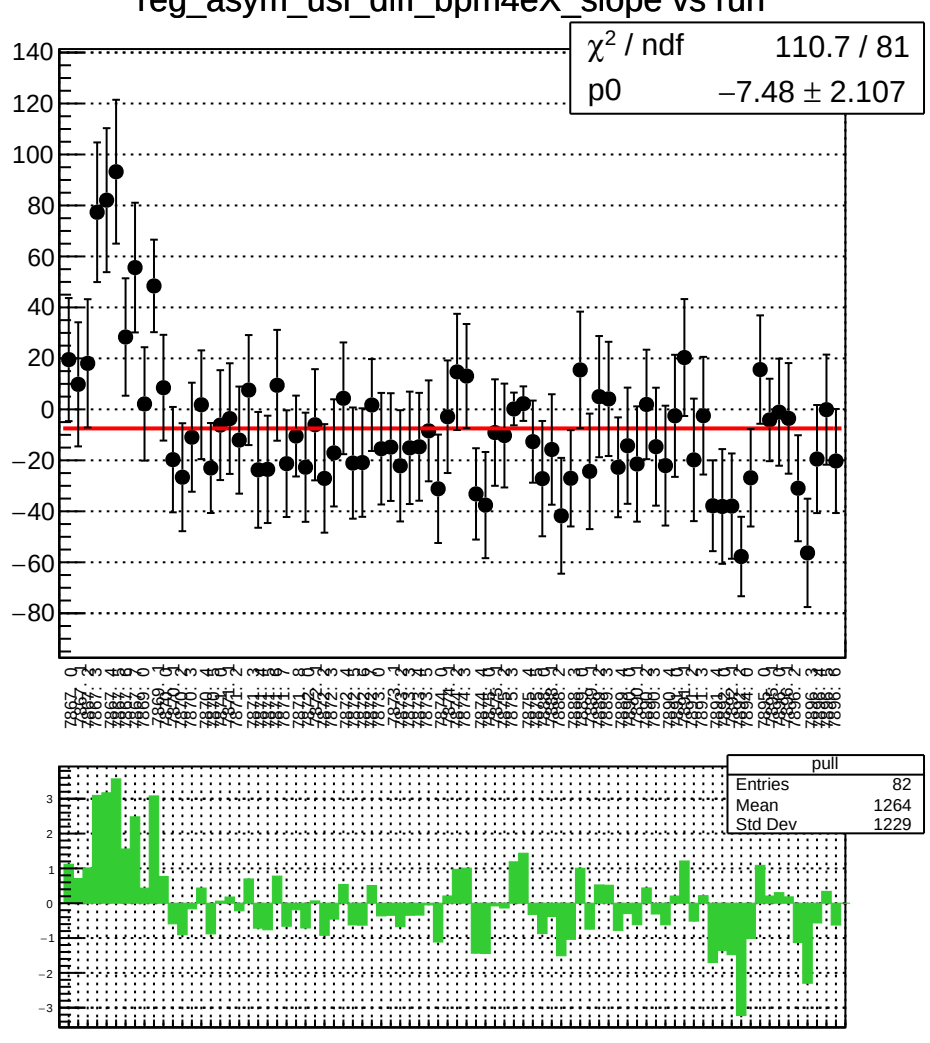

pull1D
Entries 82
Mean −0.05651
Std Dev 0.7825

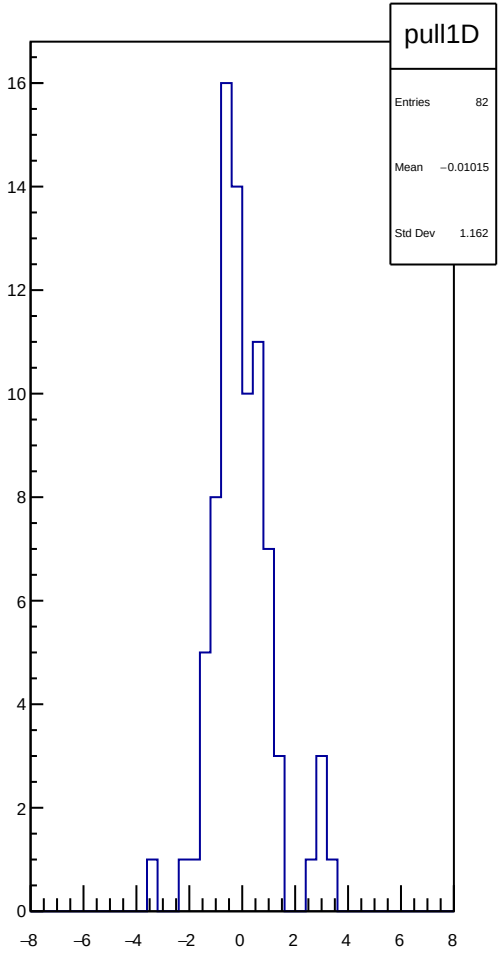

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 108.9 / 81
p0 −56.82 ± 2.478
0
−50
−100
−150
−200
pull
Entries 82
Mean −826.8
Std Dev 860.2
3
2
1
0
−1
−2
−3

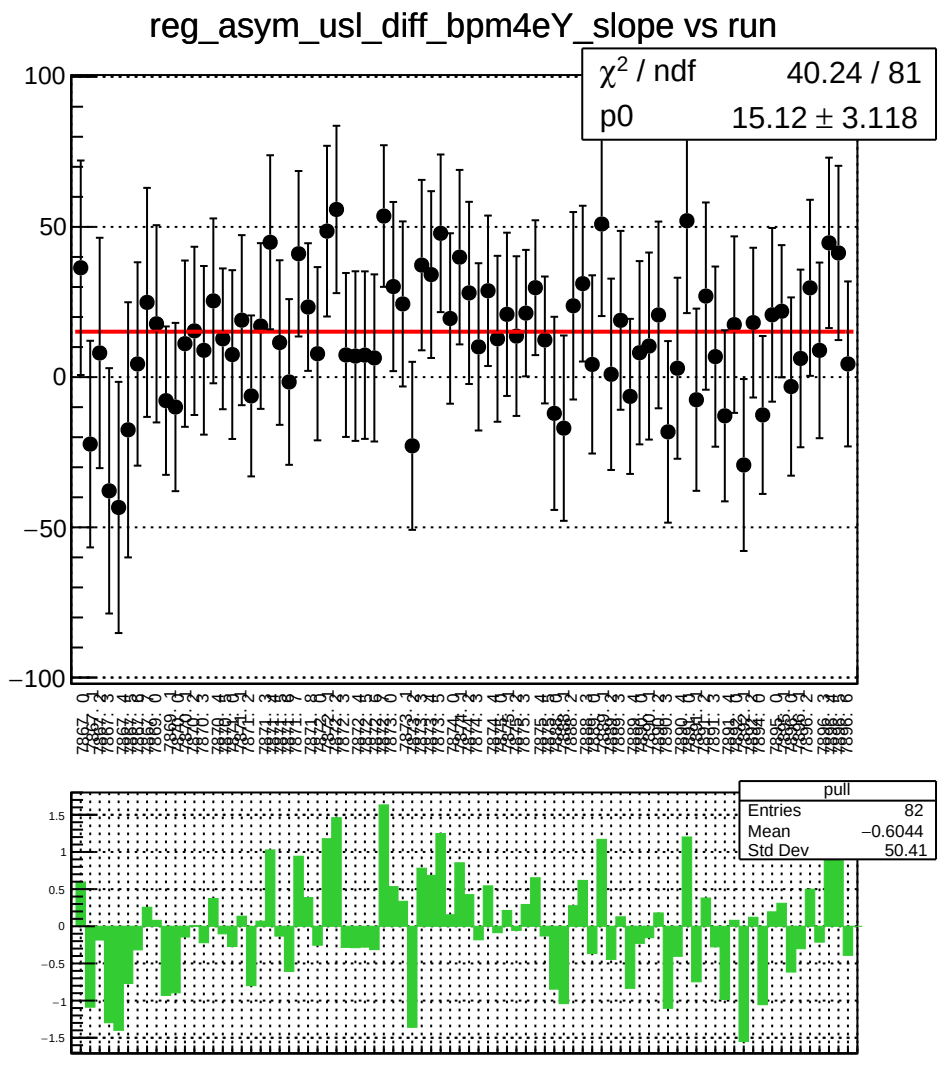

pull1D
Entries 82
Mean −0.01338
Std Dev 1.152
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

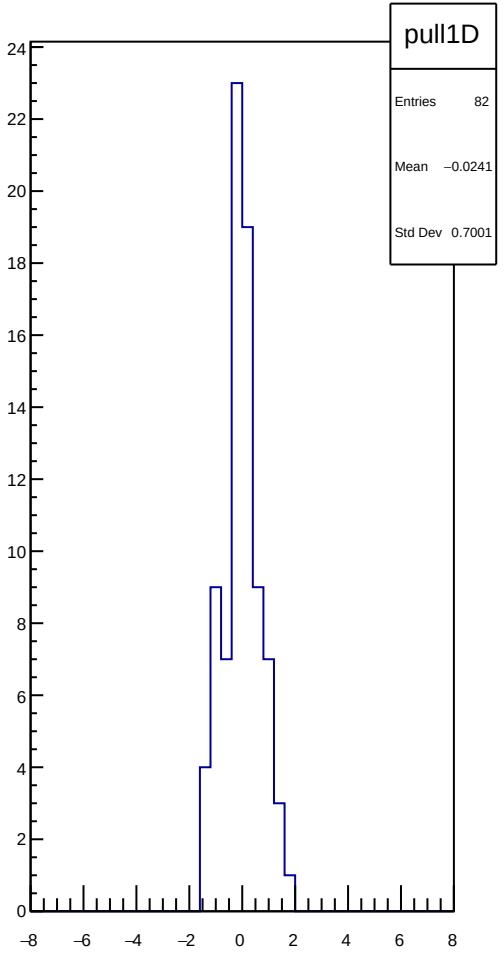

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.86 / 81
p0 11.79 ± 2.698
pull
Entries 82
Mean −46.26
Std Dev 66.47

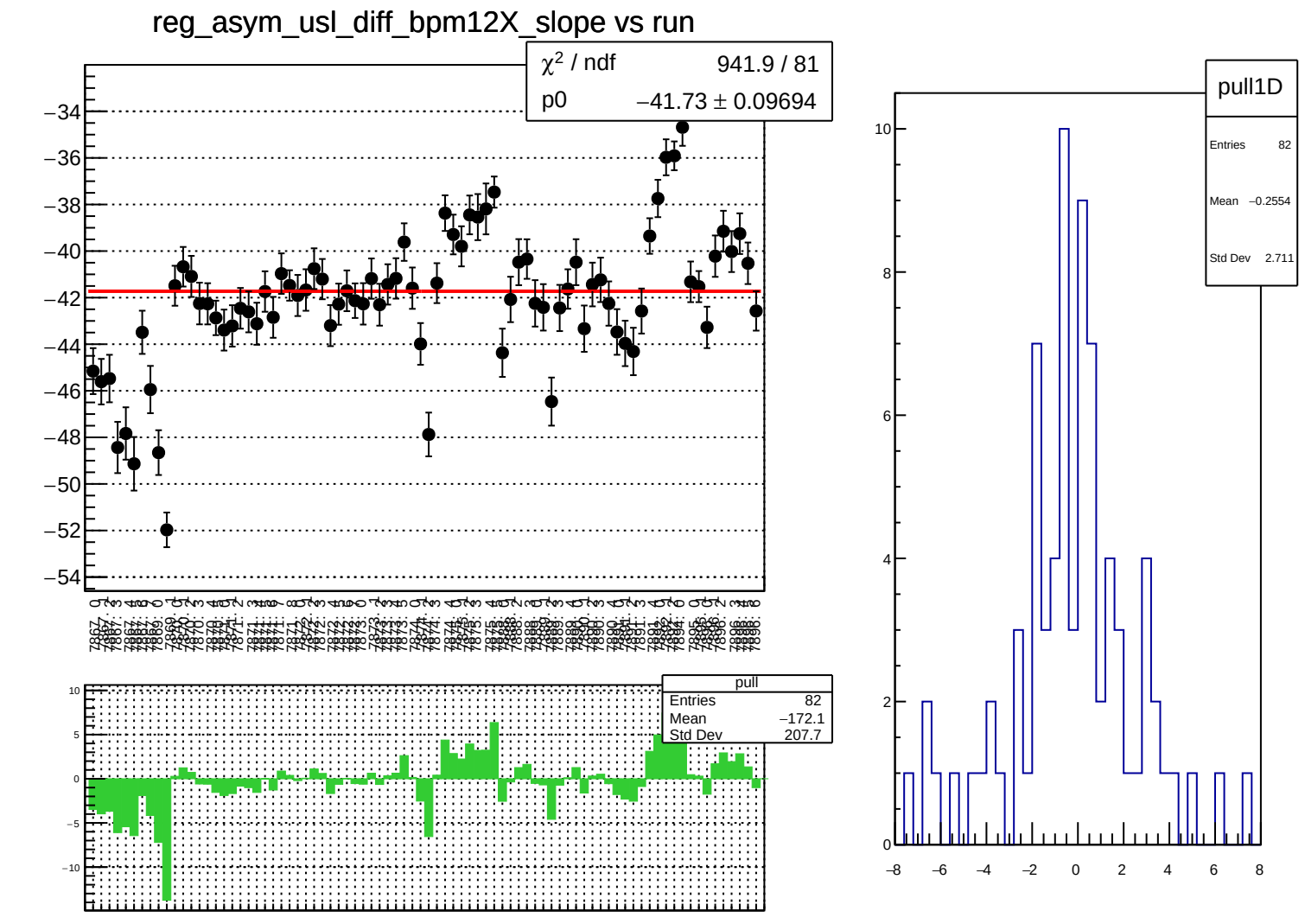

pull1D
Entries 82
Mean 0.03609
Std Dev 0.7221

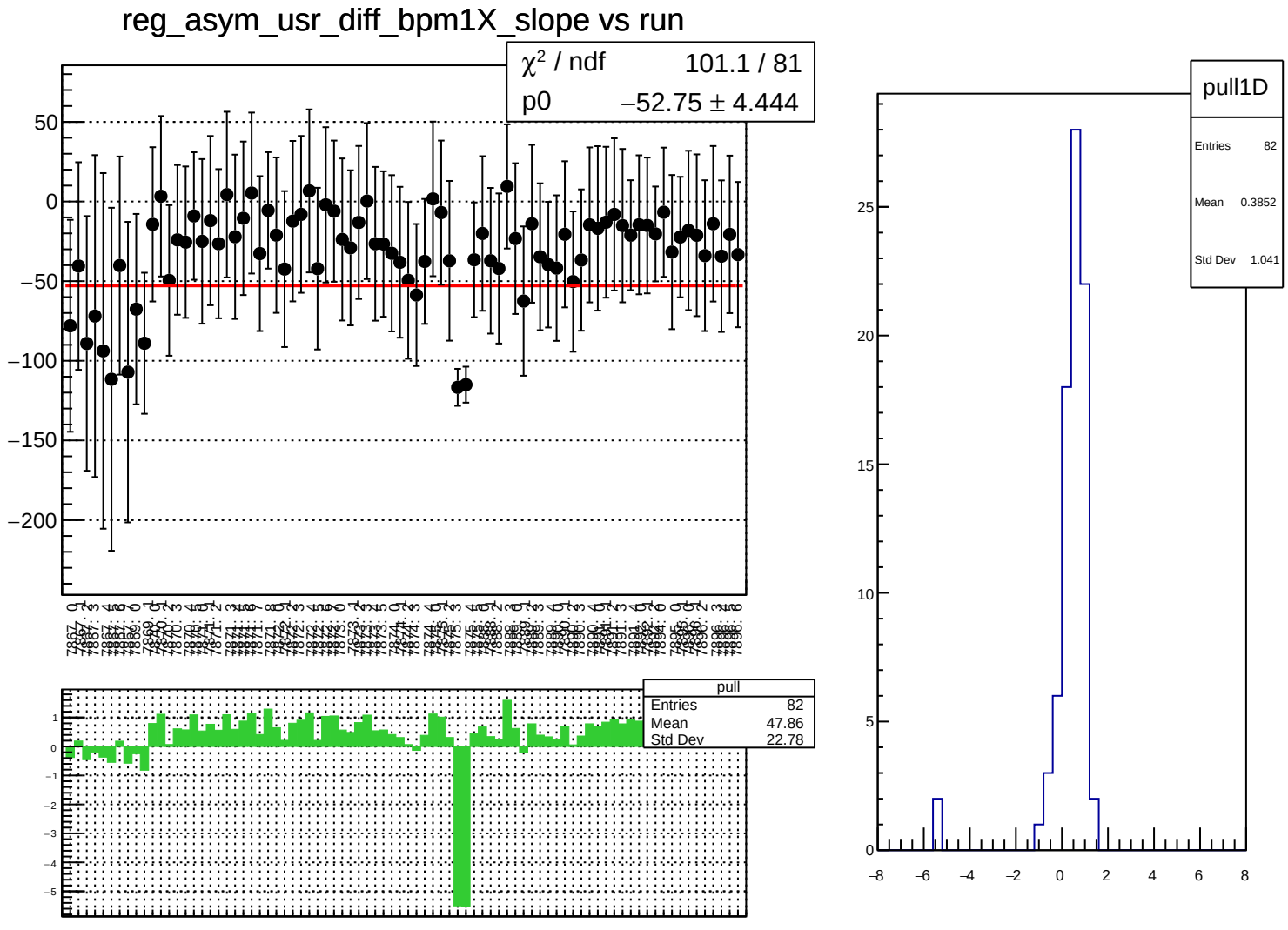

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 110.7 / 81
p0 −7.48 ± 2.107
pull
Entries 82
Mean 1264
Std Dev 1229

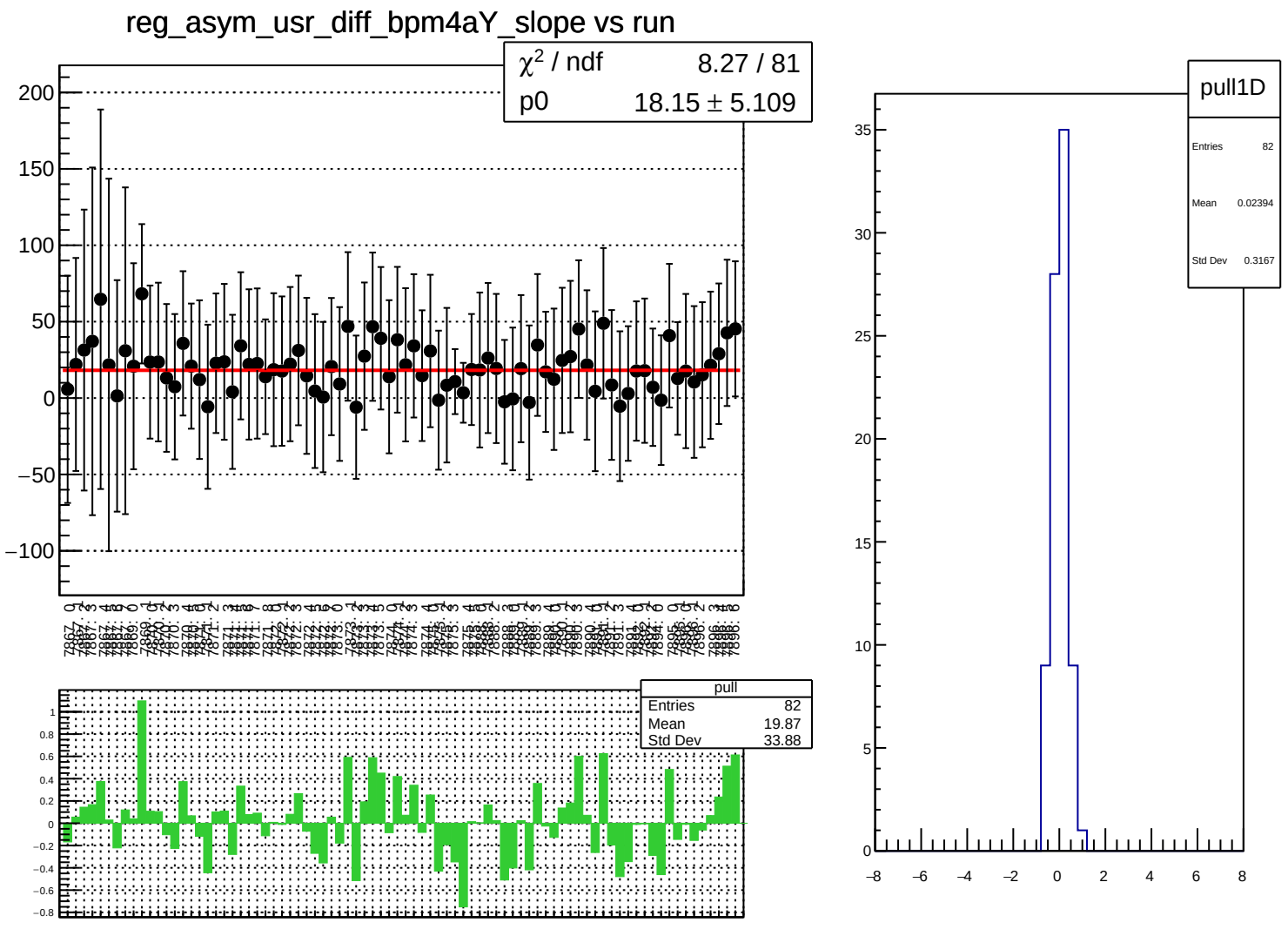

pull1D
Entries 82
Mean −0.01015
Std Dev 1.162

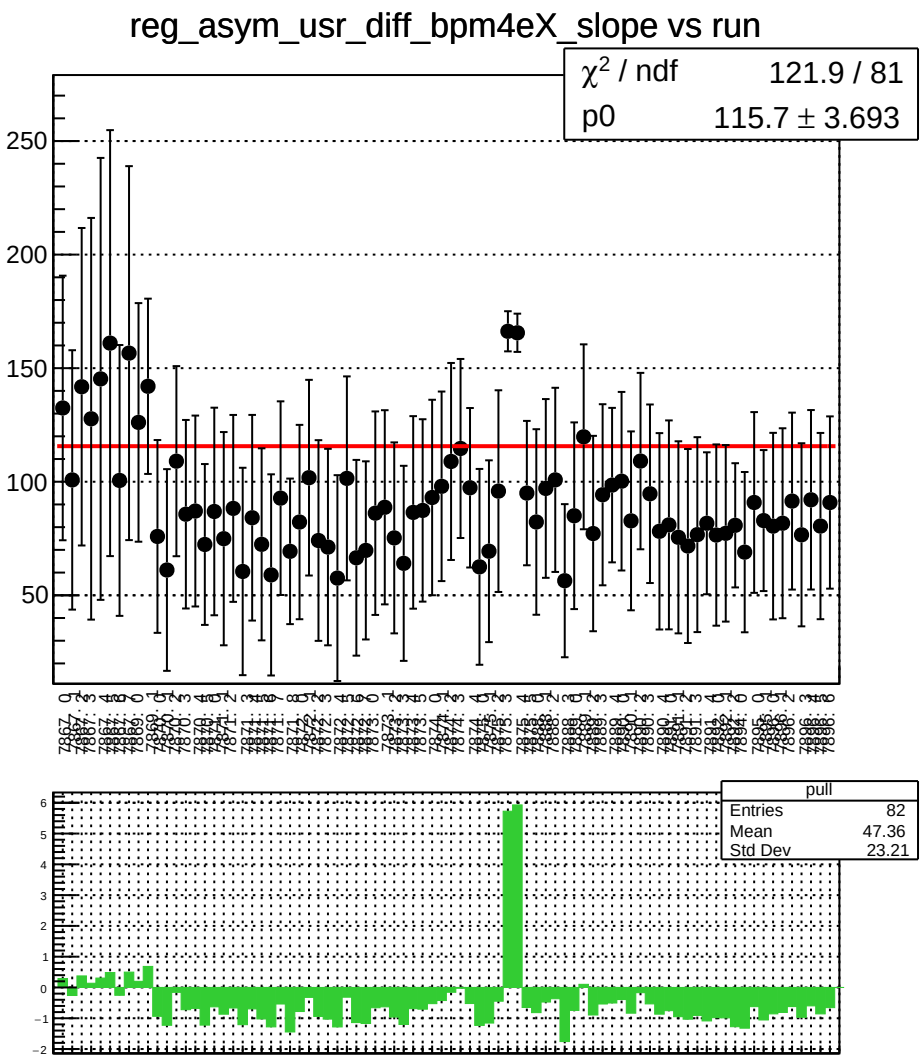

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 40.24 / 81
p0 15.12 ± 3.118
pull
Entries 82
Mean −0.6044
Std Dev 50.41

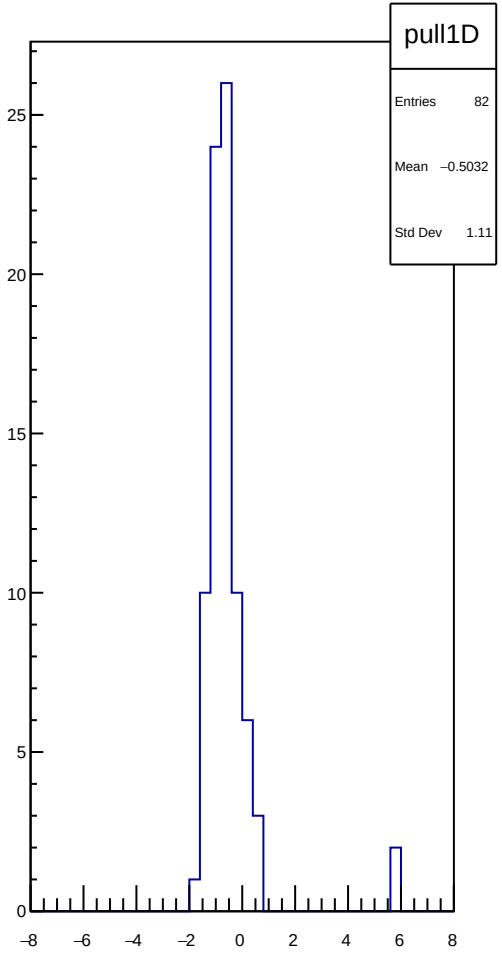

pull1D
Entries 82
Mean −0.0241
Std Dev 0.7001

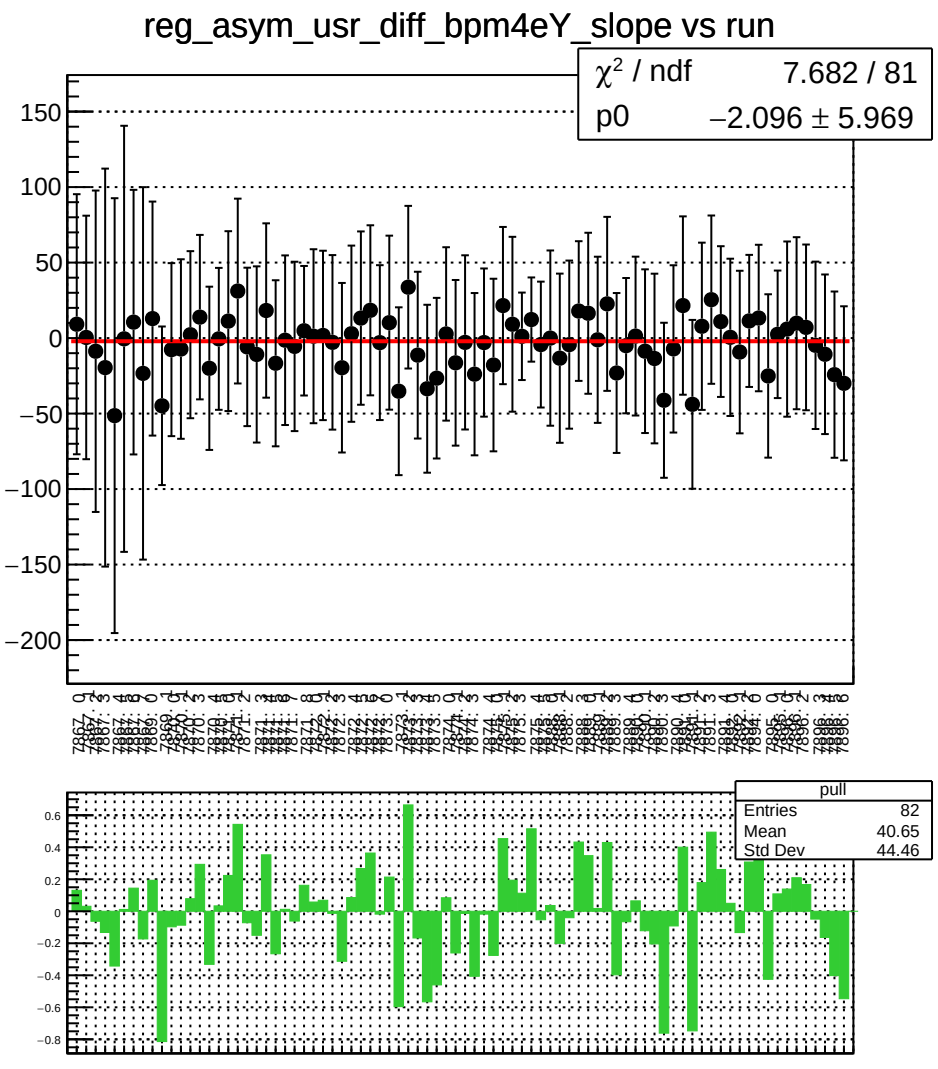

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 941.9 / 81
p0 −41.73 ± 0.09694
pull
Entries 82
Mean −172.1
Std Dev 207.7
pull1D
Entries 82
Mean −0.2554
Std Dev 2.711

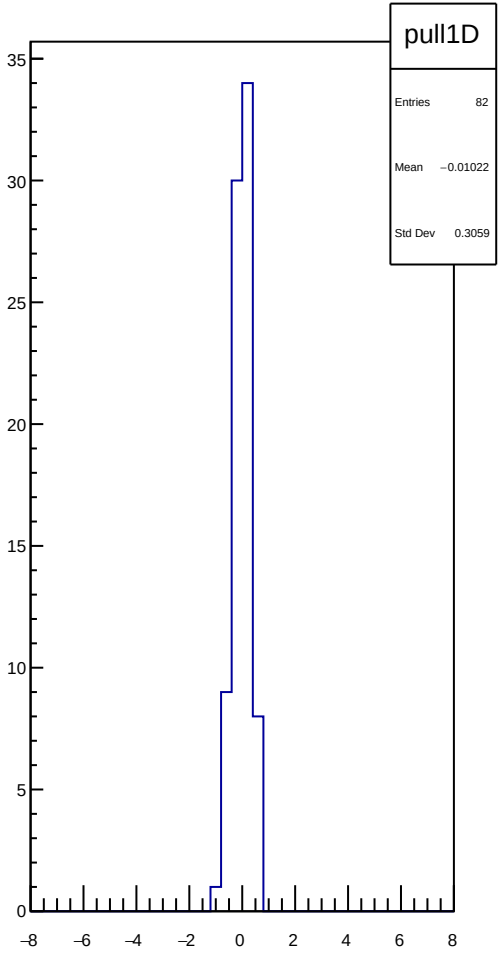

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 101.1 / 81
p0 −52.75 ± 4.444
pull
Entries 82
Mean 47.86
Std Dev 22.78
pull1D
Entries 82
Mean 0.3852
Std Dev 1.041

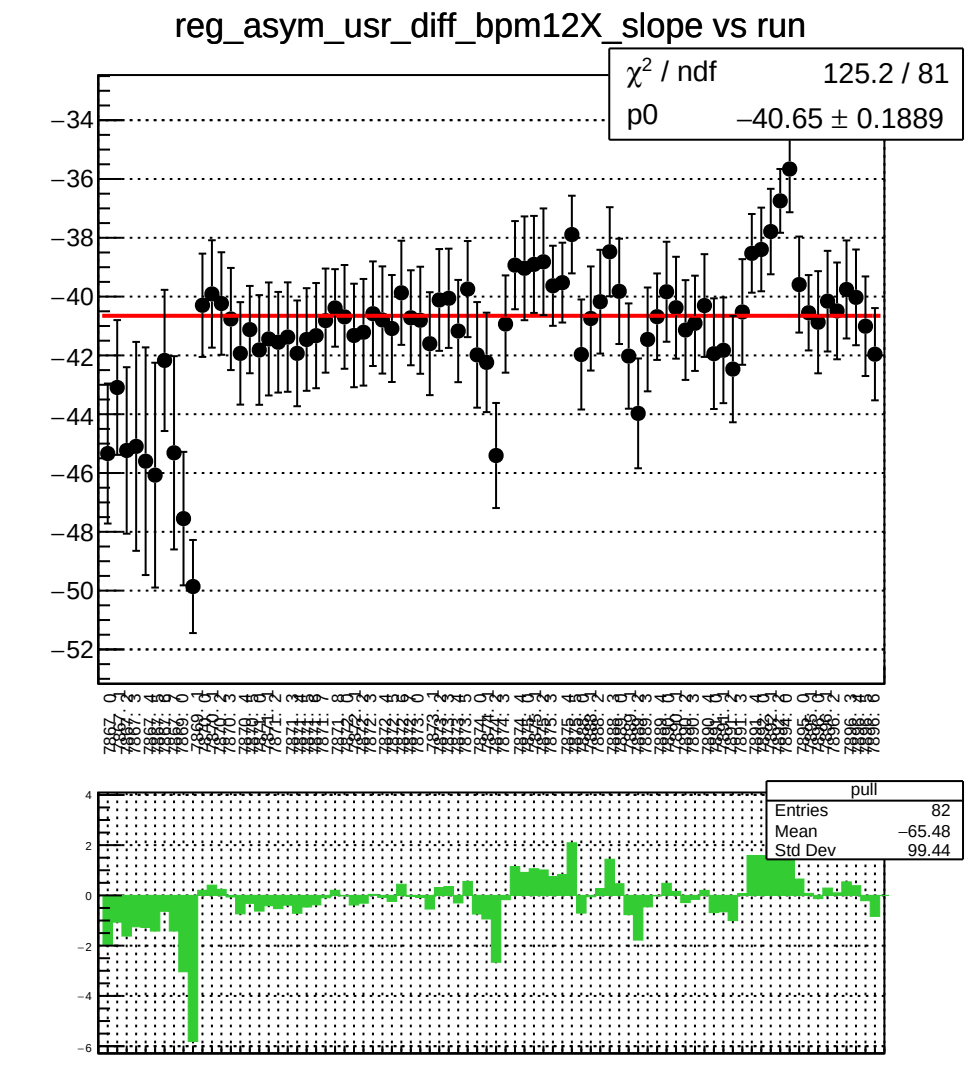

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 8.27 / 81
p0 18.15 ± 5.109
pull
Entries 82
Mean 19.87
Std Dev 33.88
pull1D
Entries 82
Mean 0.02394
Std Dev 0.3167

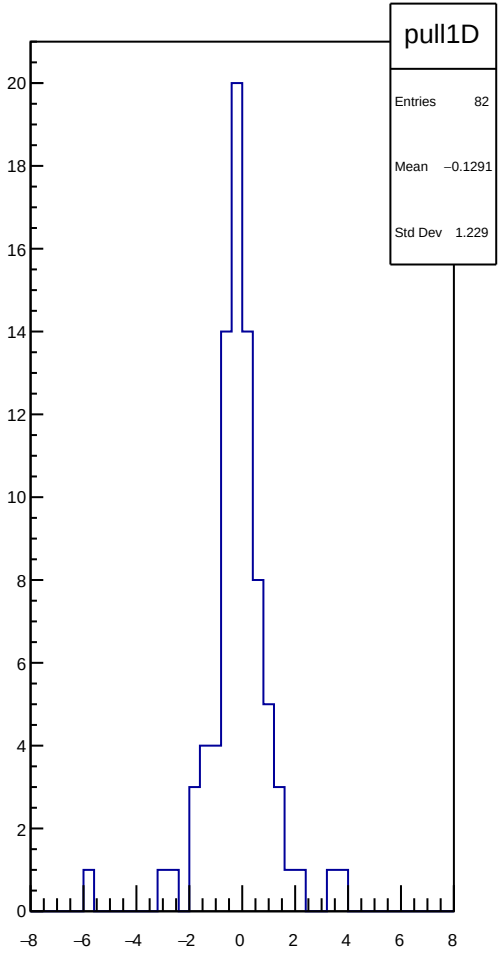

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 121.9 / 81
p0 115.7 ± 3.693
250
200
150
100
50
pull
Entries 82
Mean 47.36
Std Dev 23.21
6
5
4
3
2
1
0
−1
−2

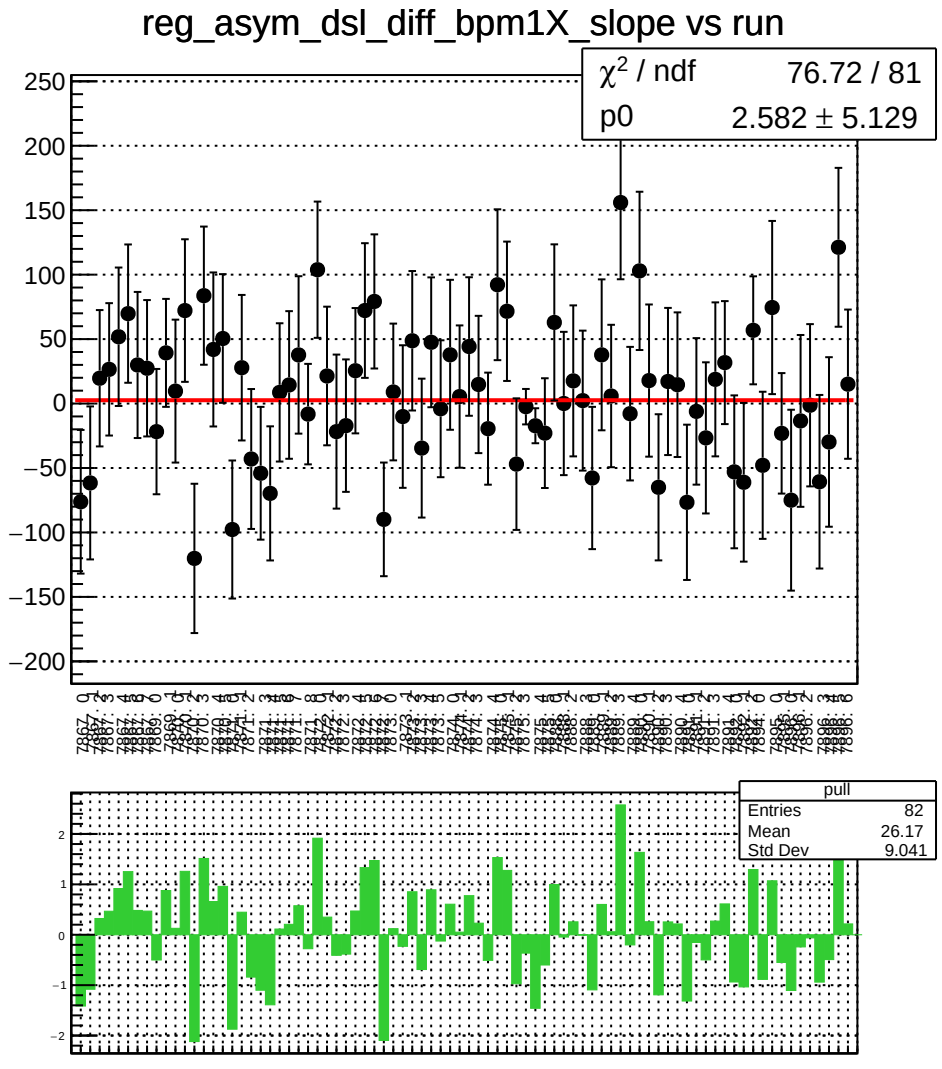

pull1D
Entries 82
Mean −0.5032
Std Dev 1.11
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

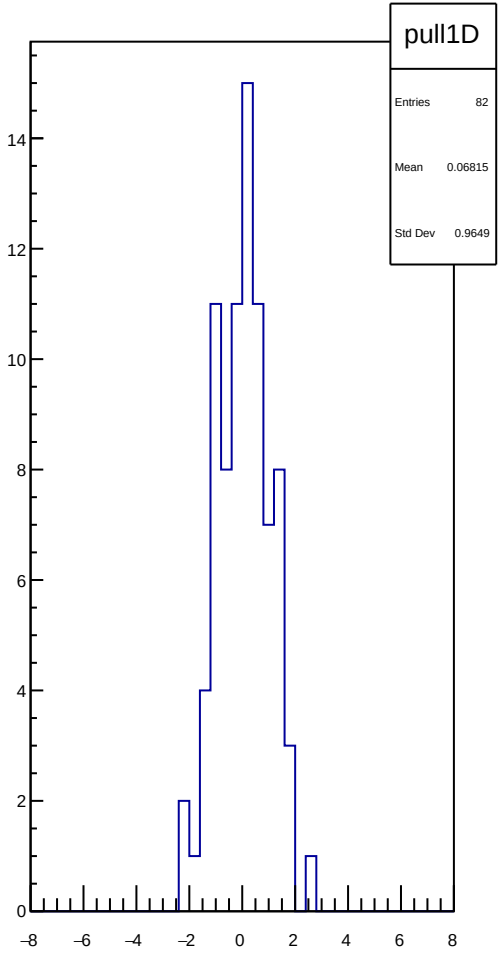

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 7.682 / 81
p0 −2.096 ± 5.969
pull
Entries 82
Mean 40.65
Std Dev 44.46

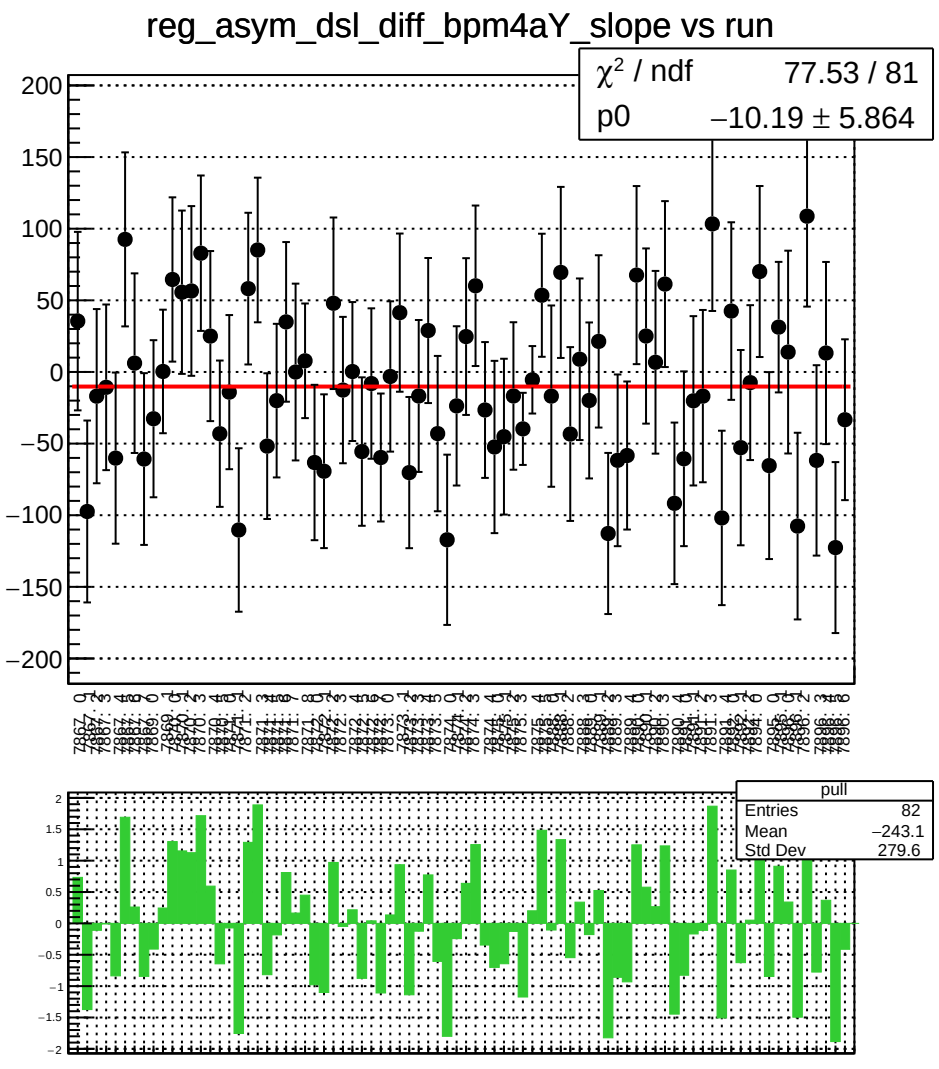

pull1D
Entries 82
Mean −0.01022
Std Dev 0.3059

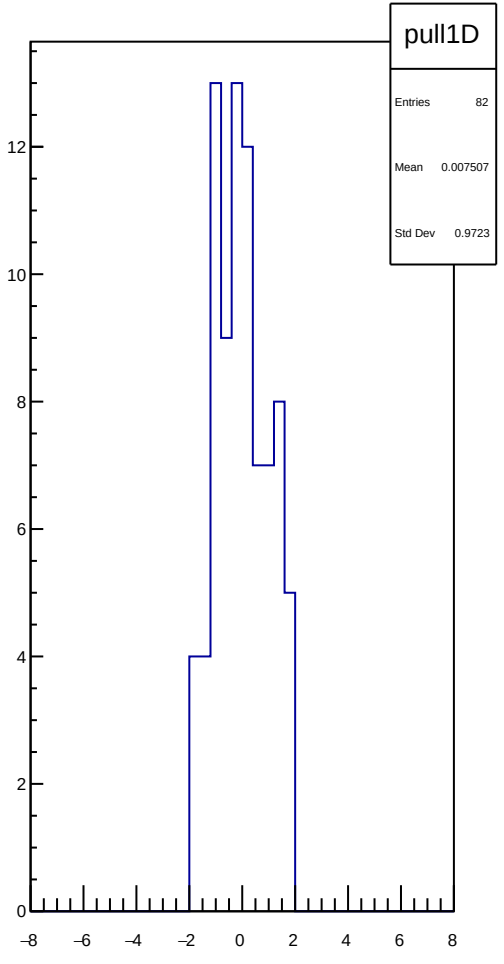

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 125.2 / 81
p0 −40.65 ± 0.1889
pull
Entries 82
Mean −65.48
Std Dev 99.44

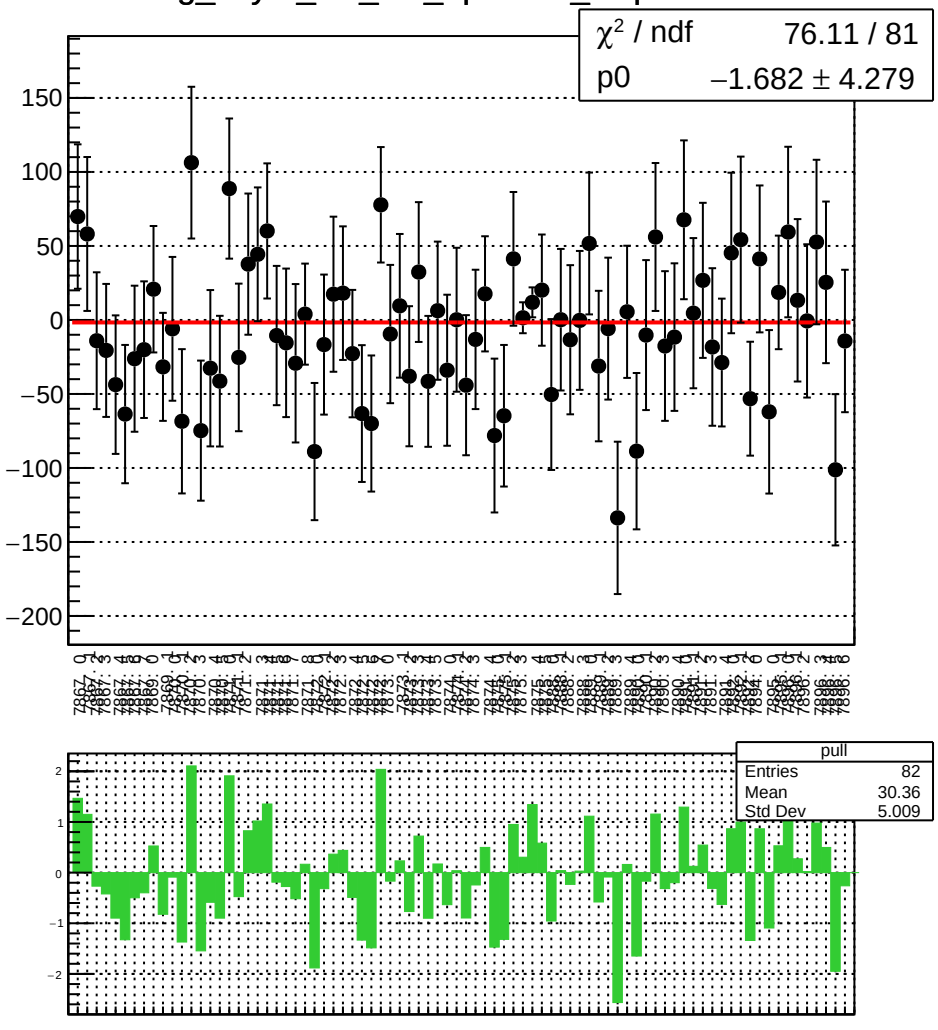

pull1D
Entries 82
Mean −0.1291
Std Dev 1.229

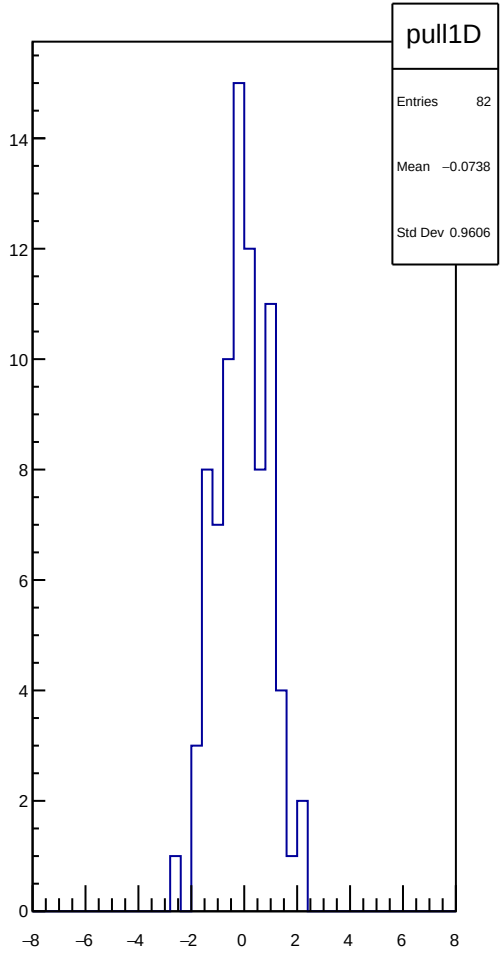

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 76.72 / 81
p0 2.582 ± 5.129
pull
Entries 82
Mean 26.17
Std Dev 9.041

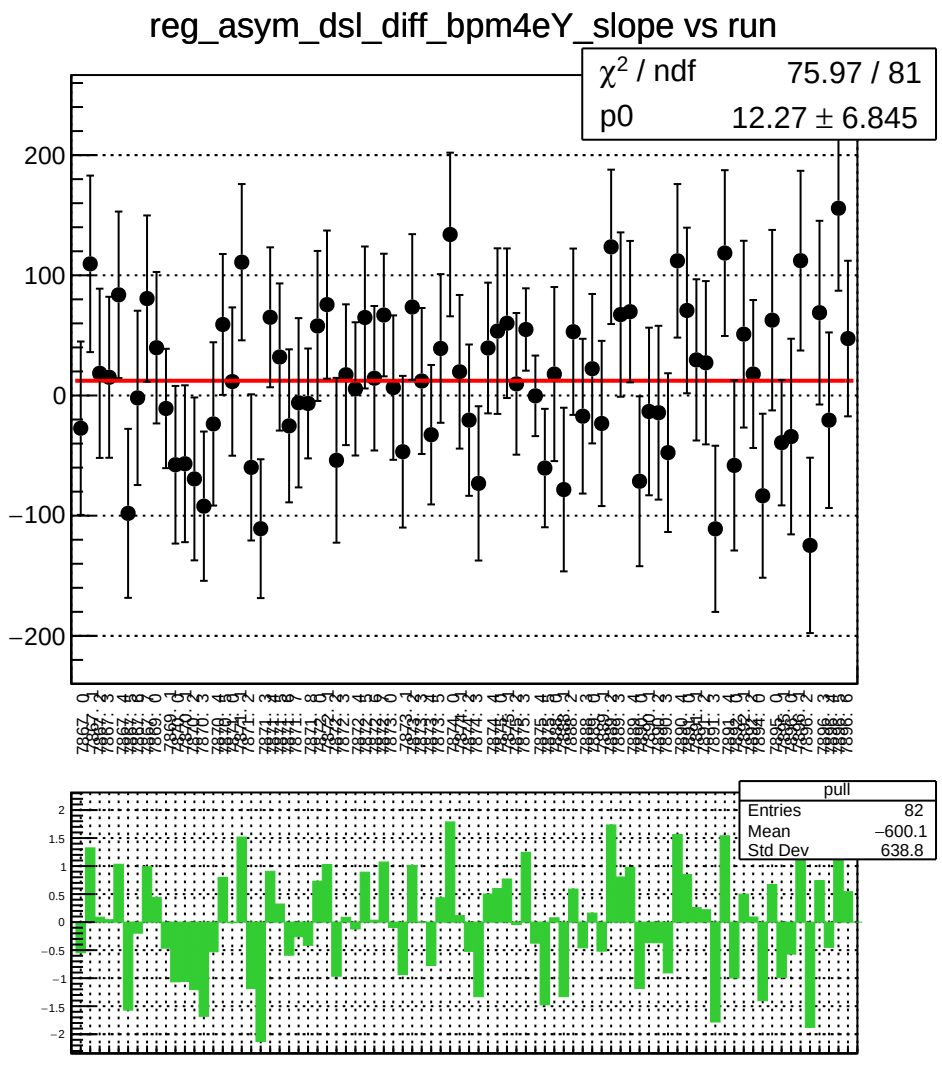

pull1D
Entries 82
Mean 0.06815
Std Dev 0.9649

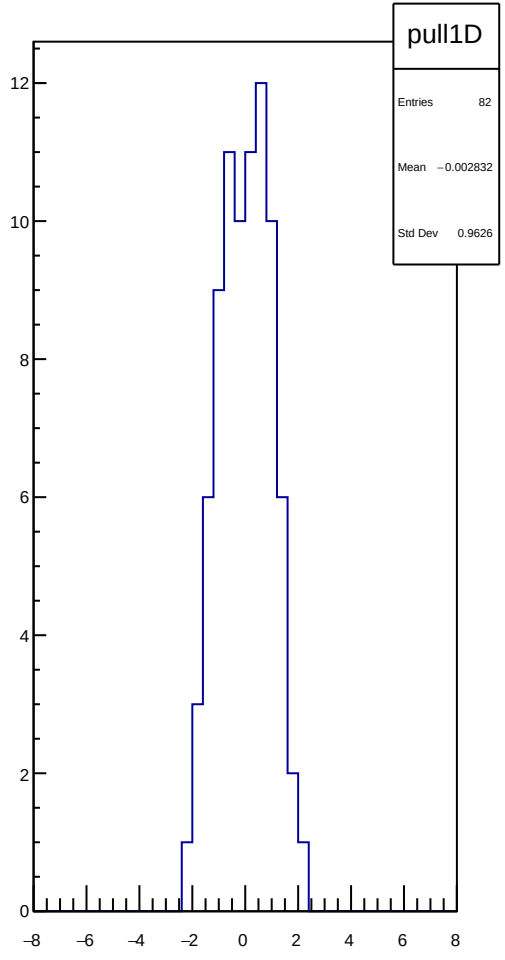

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 77.53 / 81
p0 −10.19 ± 5.864
pull
Entries 82
Mean −243.1
Std Dev 279.6

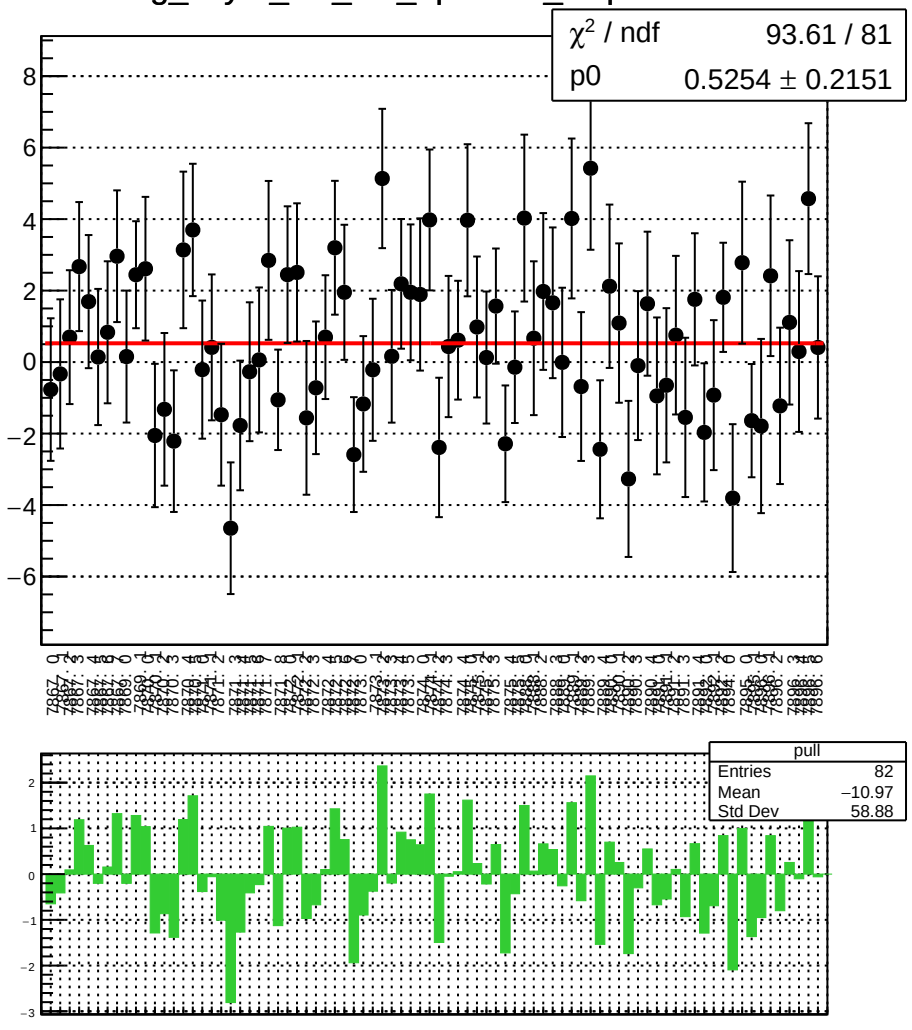

pull1D
Entries 82
Mean 0.007507
Std Dev 0.9723

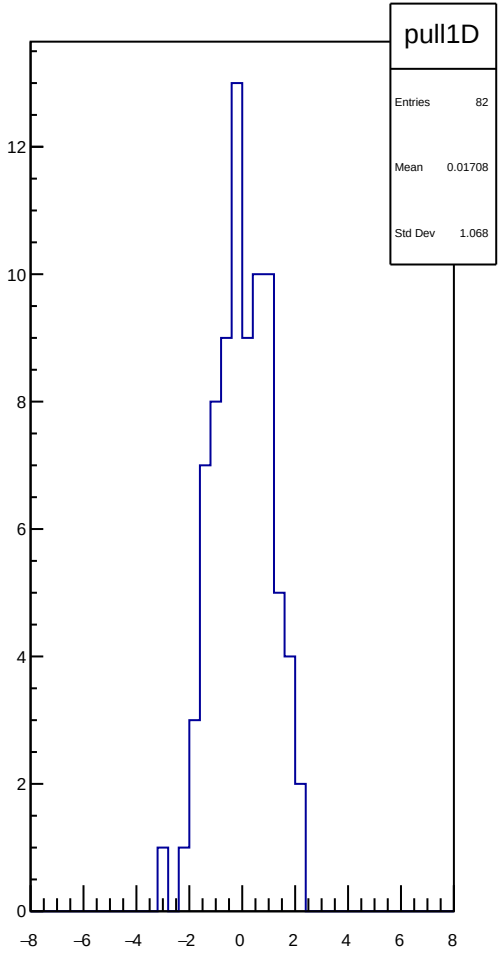

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 76.11 / 81
p0 −1.682 ± 4.279
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 30.36
Std Dev 5.009
2
1
0
−1
−2

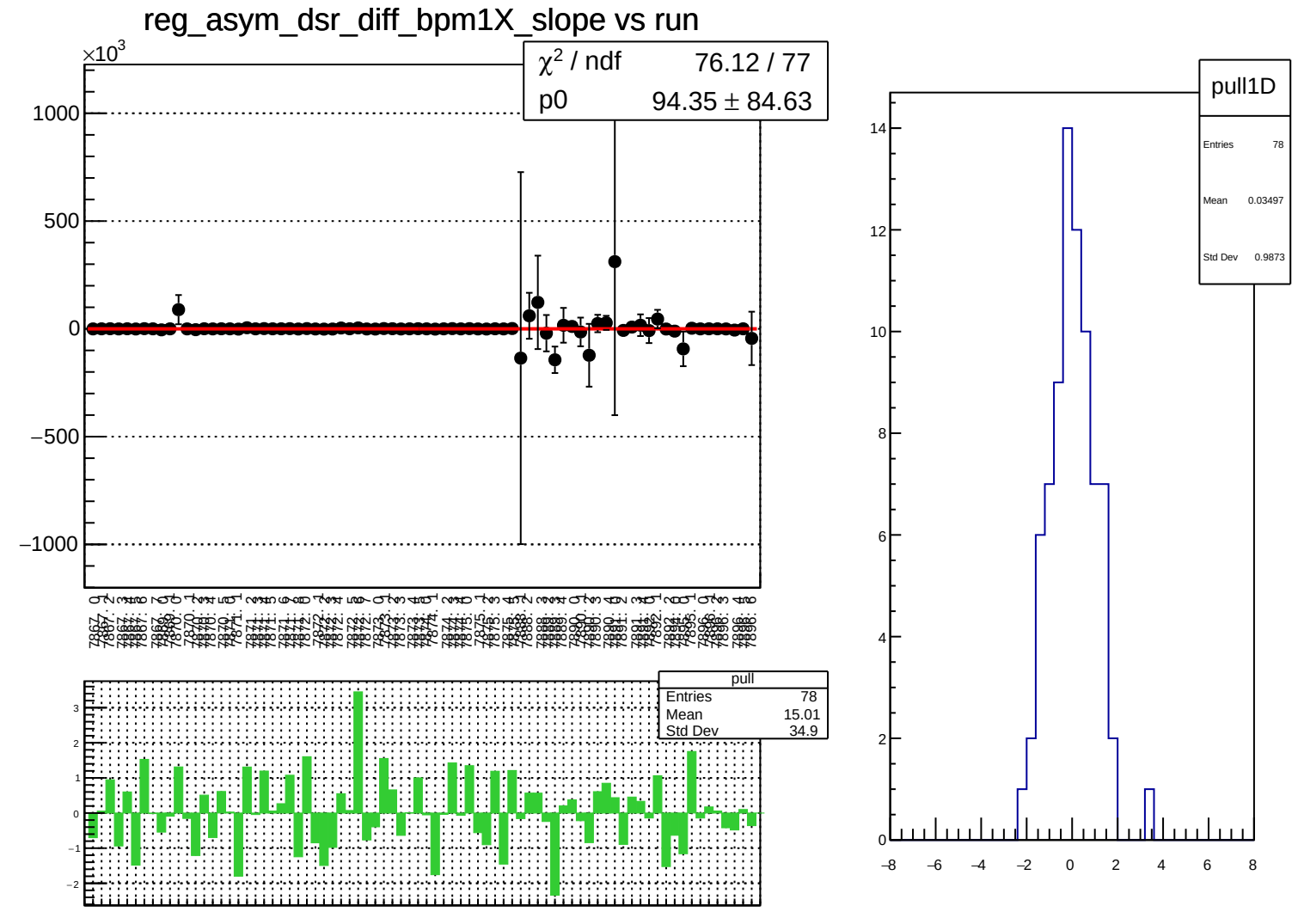

pull1D
Entries 82
Mean −0.0738
Std Dev 0.9606
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

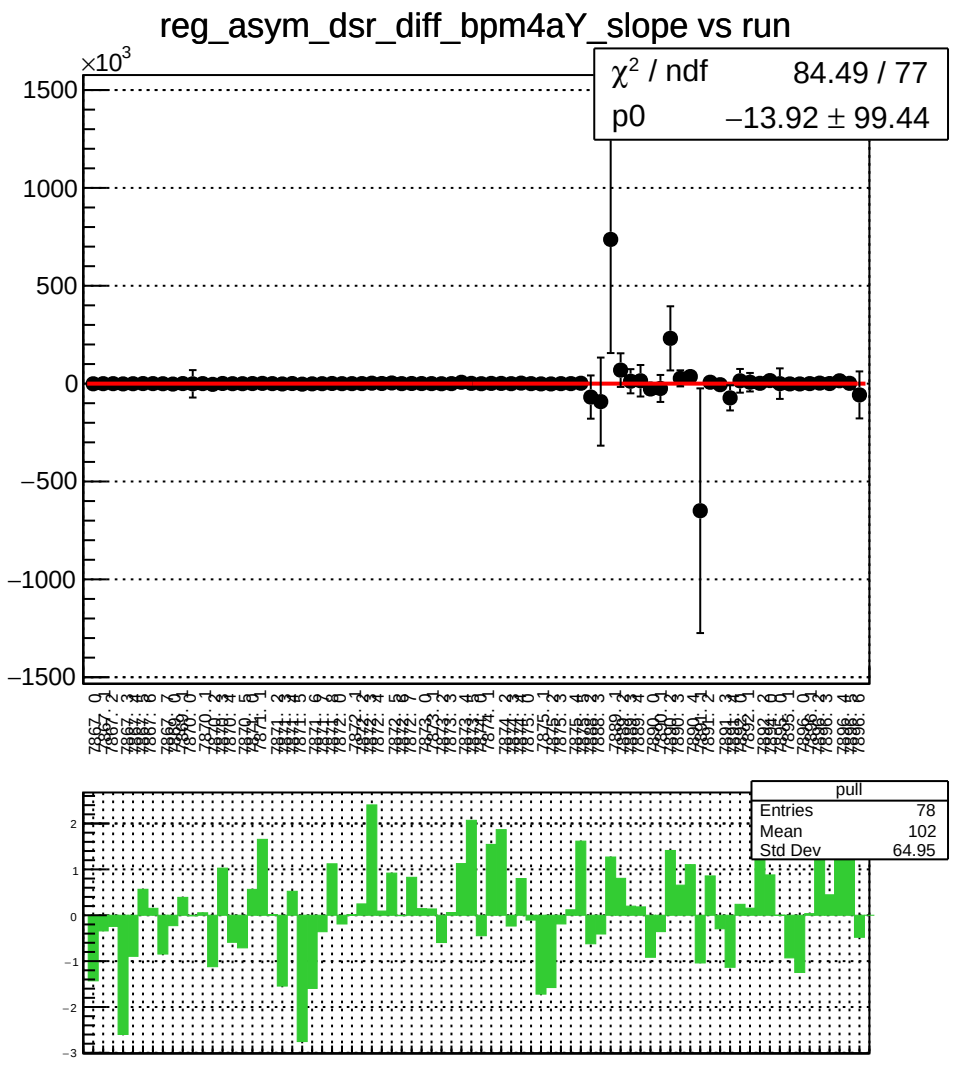

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 75.97 / 81
p0 12.27 ± 6.845
200
100
0
−100
−200
pull
Entries 82
Mean −600.1
Std Dev 638.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

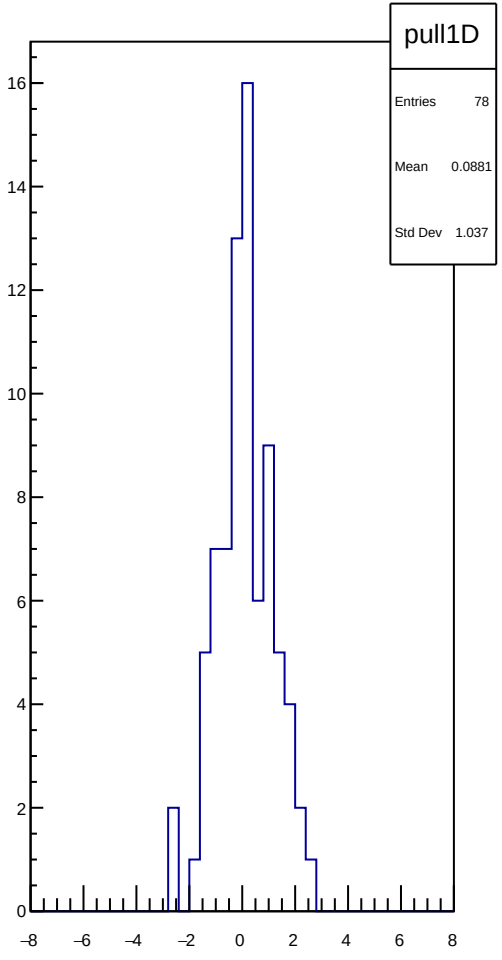

pull1D
Entries 82
Mean −0.002832
Std Dev 0.9626
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

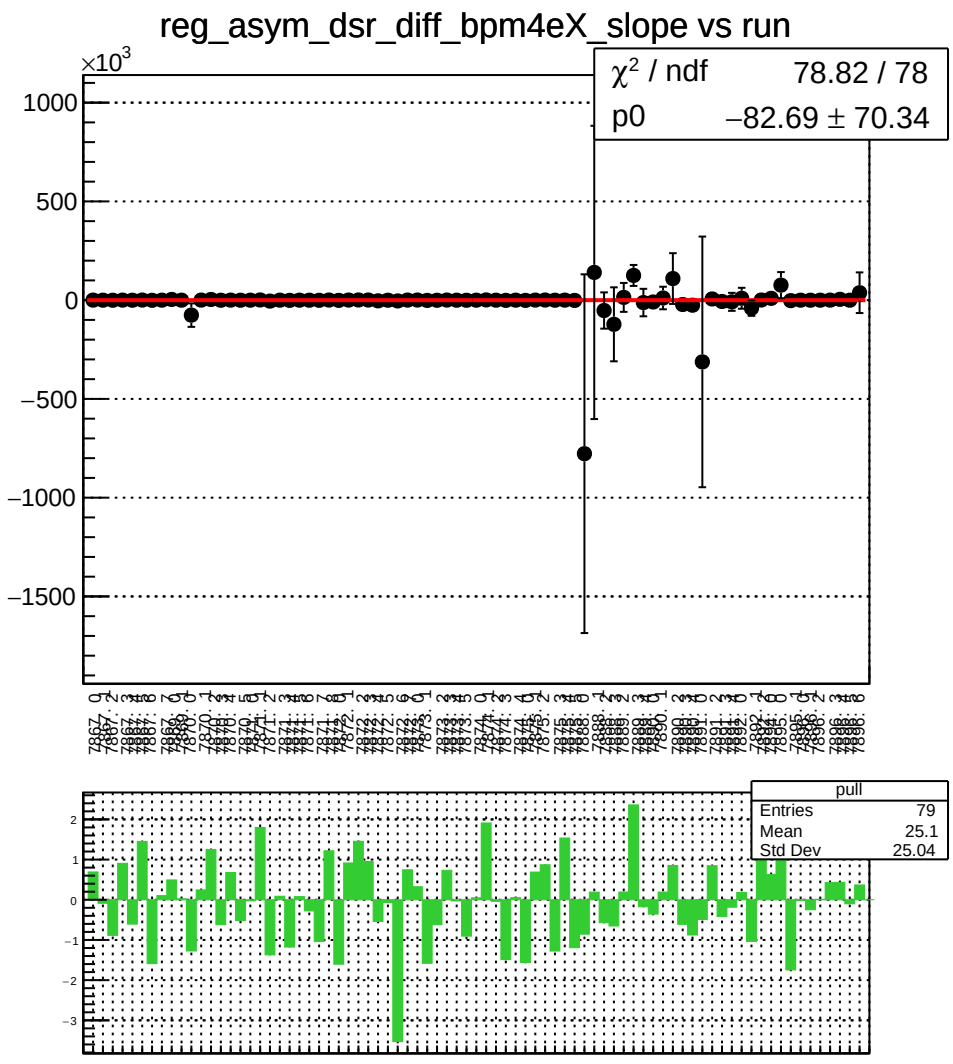

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 93.61 / 81
p0 0.5254 ± 0.2151
pull
Entries 82
Mean −10.97
Std Dev 58.88

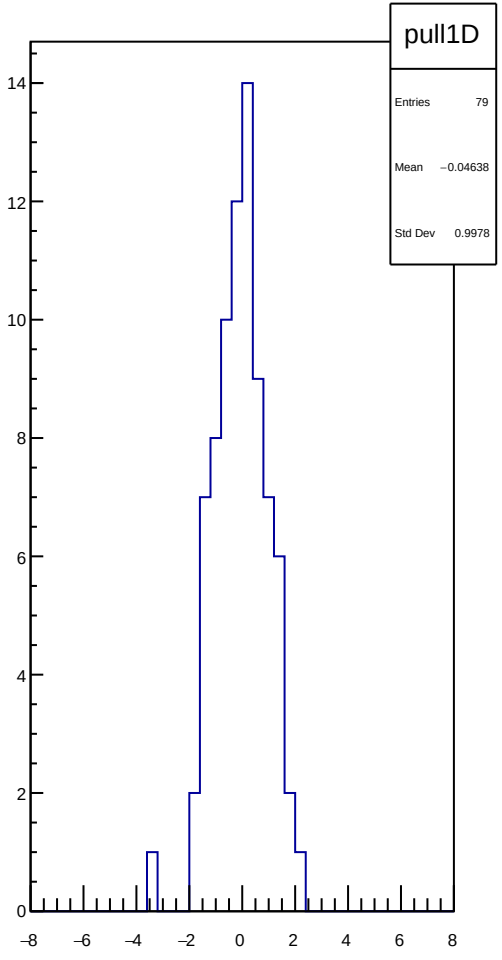

pull1D
Entries 82
Mean 0.01708
Std Dev 1.068

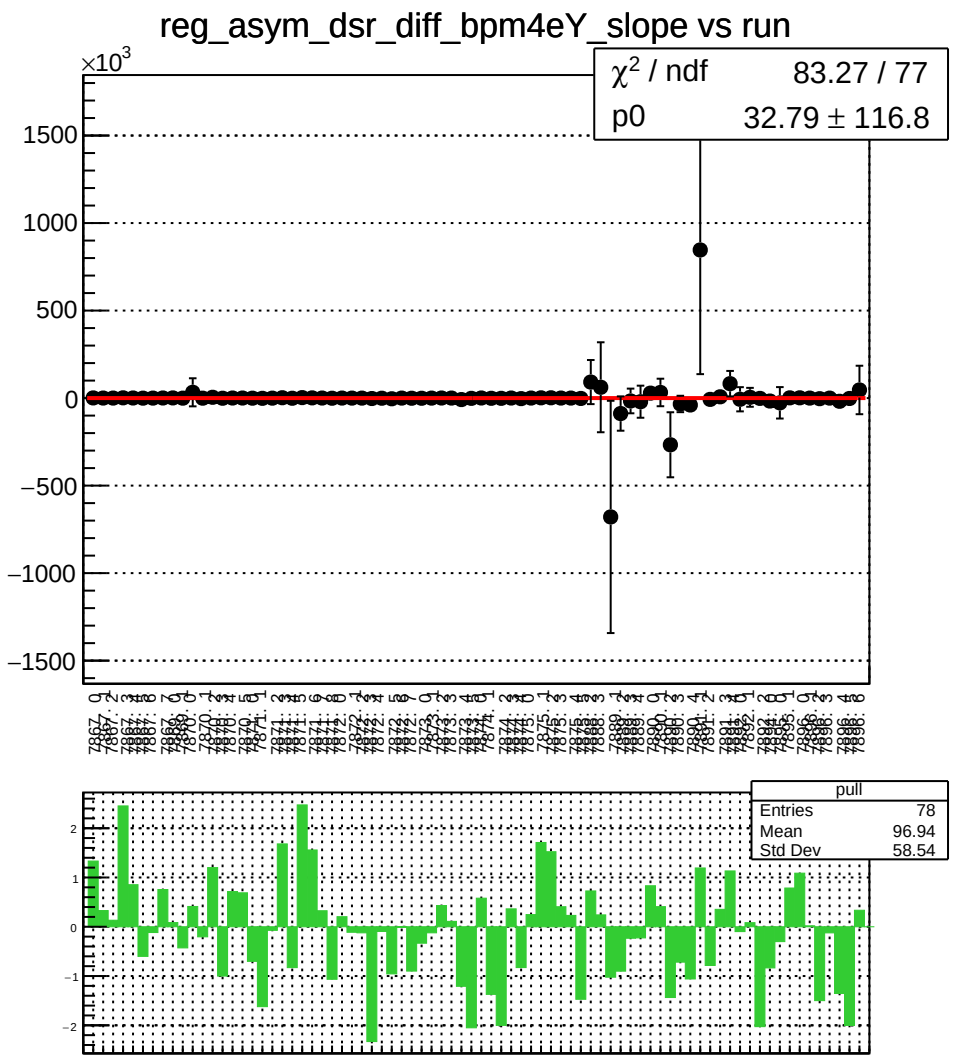

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 76.12 / 77
p0 94.35 ± 84.63
1000
500
0
−500
−1000
pull
Entries 78
Mean 15.01
Std Dev 34.9
pull1D
Entries 78
Mean 0.03497
Std Dev 0.9873

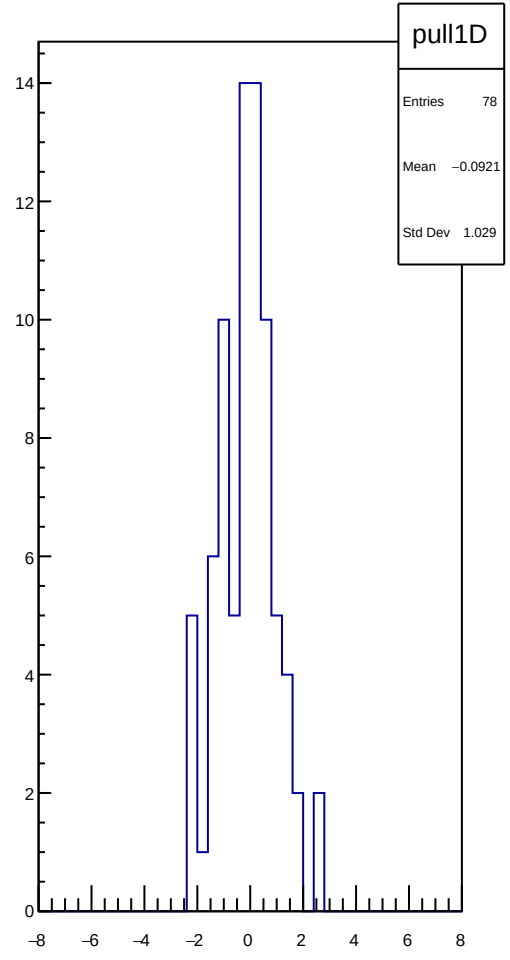

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 84.49 / 77
p0 −13.92 ± 99.44
pull
Entries 78
Mean 102
Std Dev 64.95

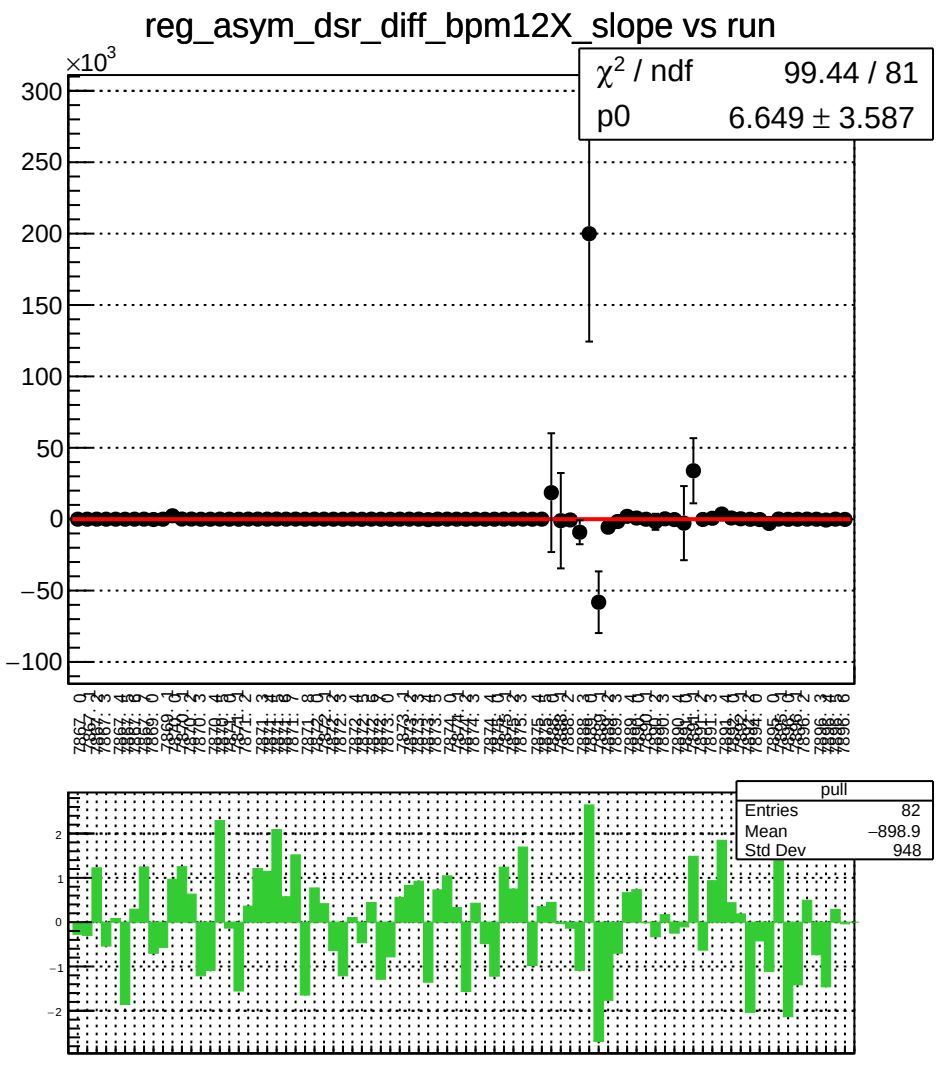

pull1D
Entries 78
Mean 0.0881
Std Dev 1.037

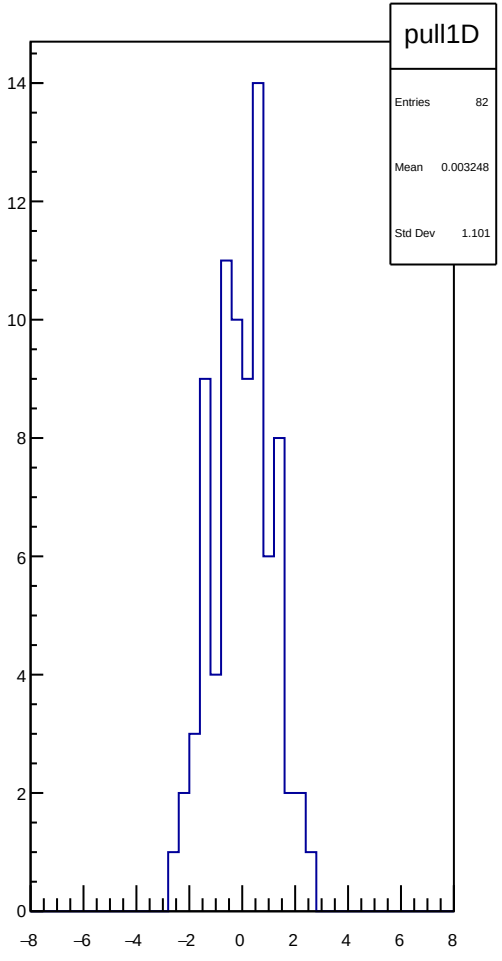

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 78.82 / 78
p0 −82.69 ± 70.34
pull
Entries 79
Mean 25.1
Std Dev 25.04

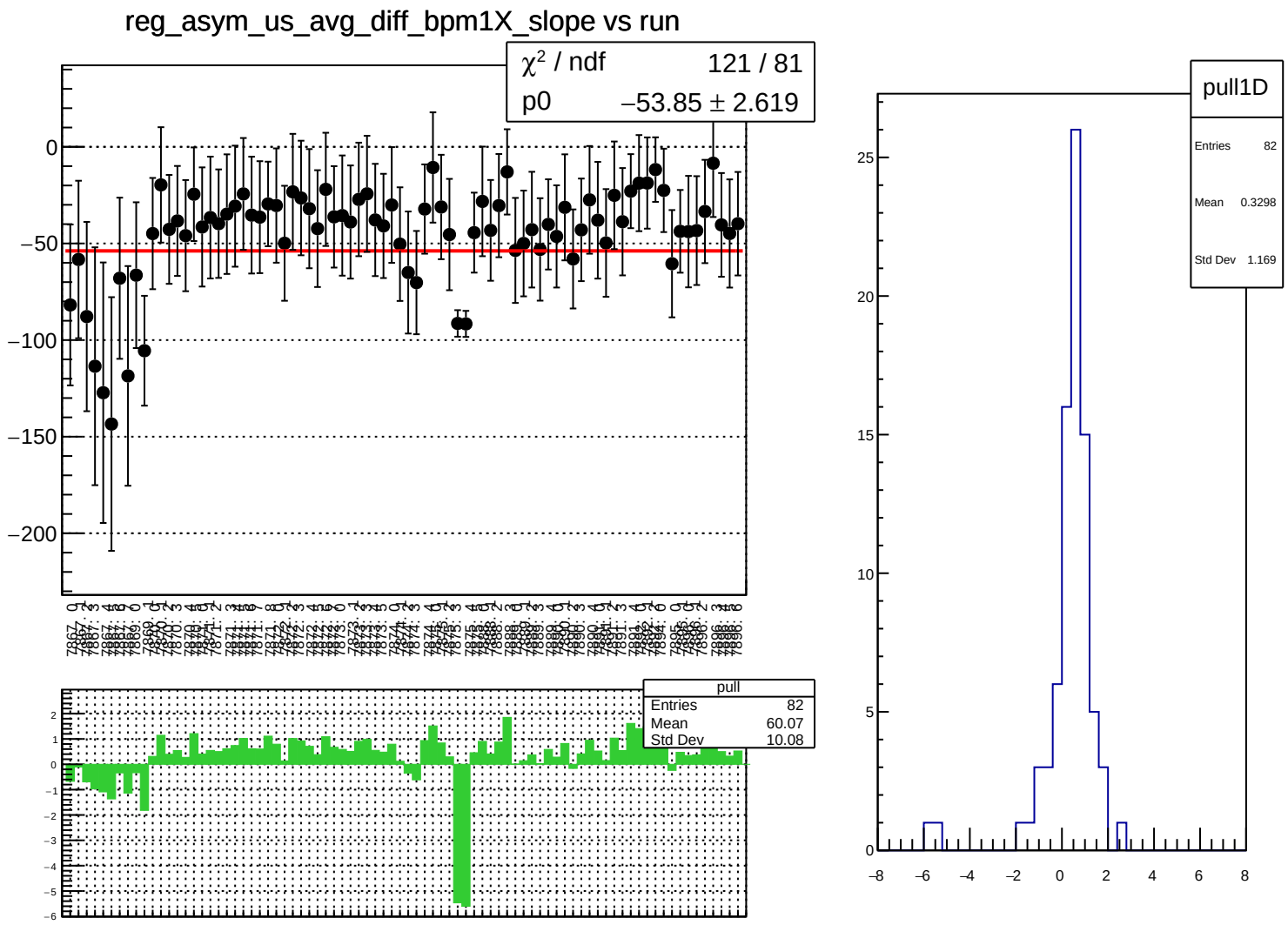

pull1D
Entries 79
Mean −0.04638
Std Dev 0.9978

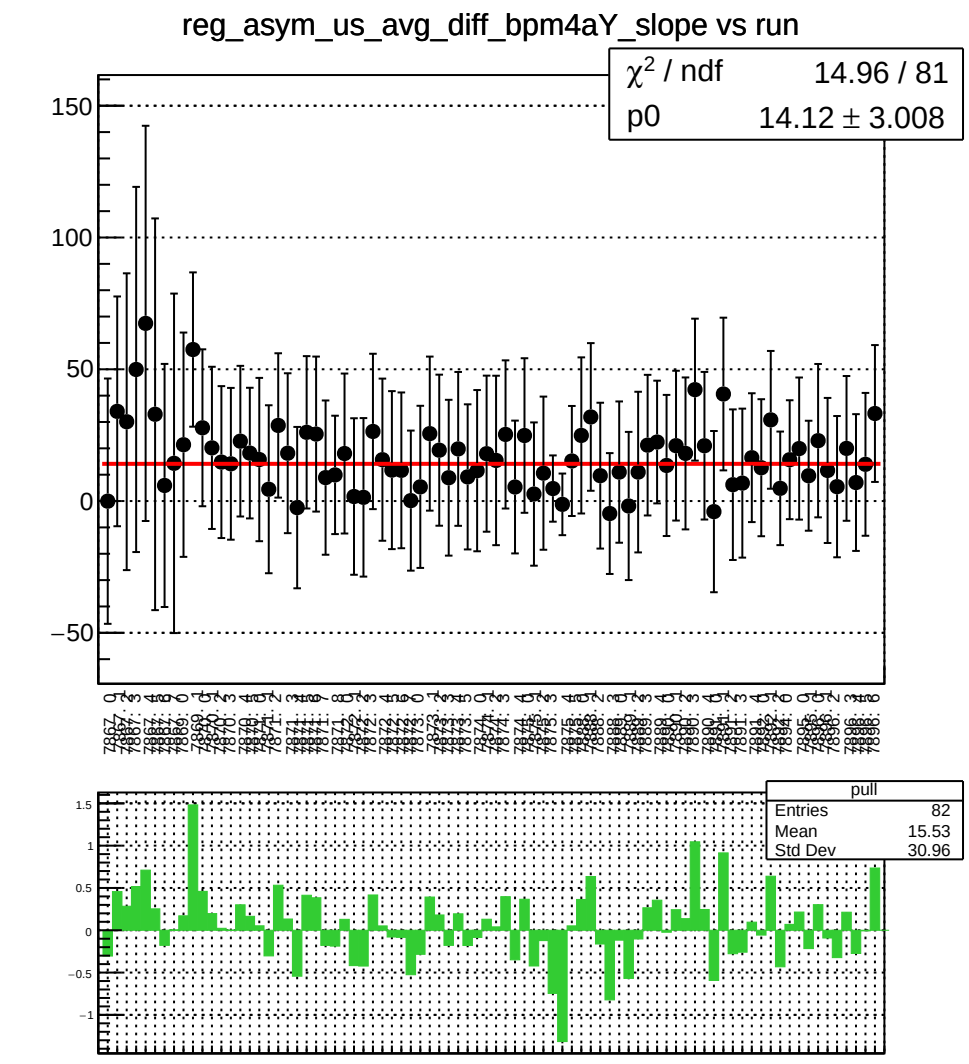

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 83.27 / 77
p0 32.79 ± 116.8
1500
1000
500
0
−500
−1000
−1500
pull
Entries 78
Mean 96.94
Std Dev 58.54
2
1
0
−1
−2

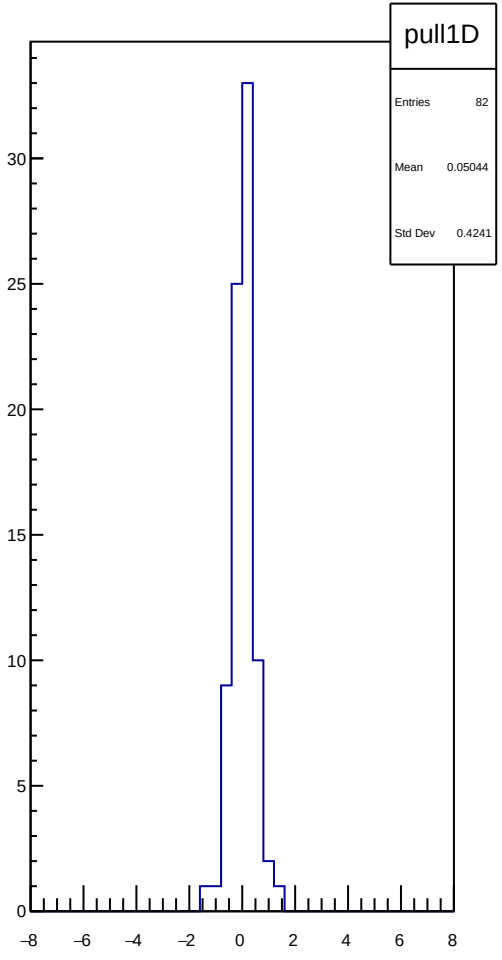

pull1D
Entries 78
Mean −0.0921
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

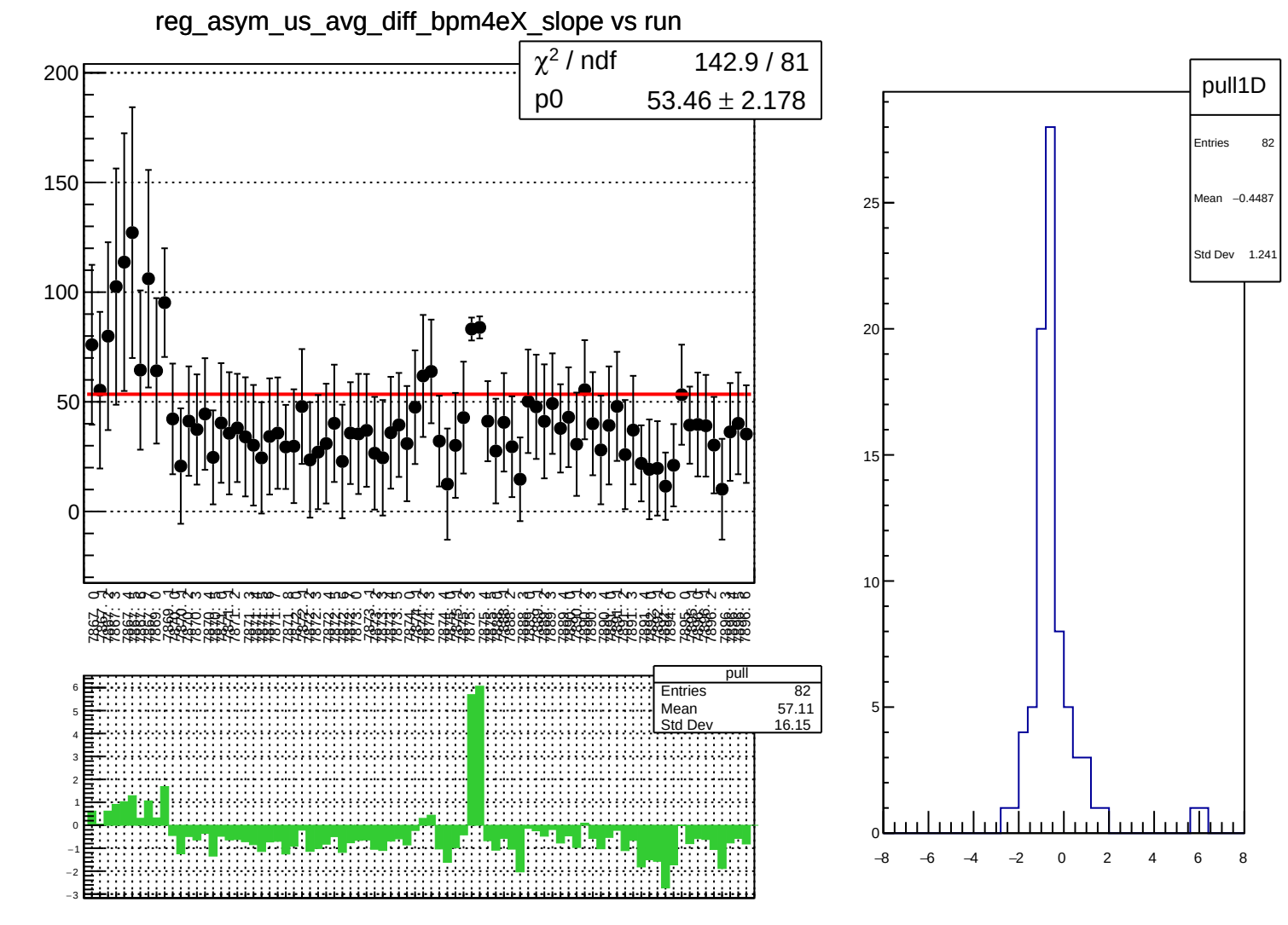

reg_asym_dsr_diff_bpm12X_slope vs run
×10^3
χ² / ndf 99.44 / 81
p0 6.649 ± 3.587
300
250
200
150
100
50
0
−50
−100
pull
Entries 82
Mean −898.9
Std Dev 948
2
1
0
−1
−2

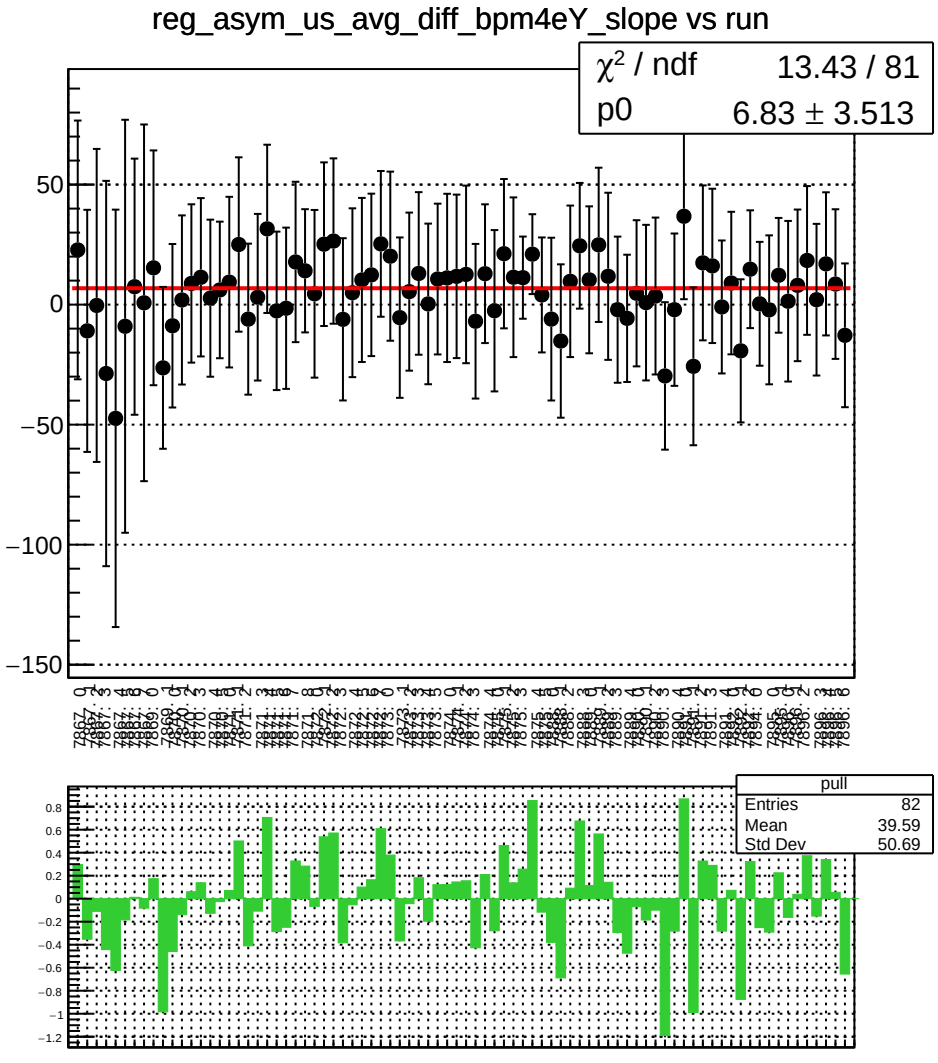

pull1D
Entries 82
Mean 0.003248
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

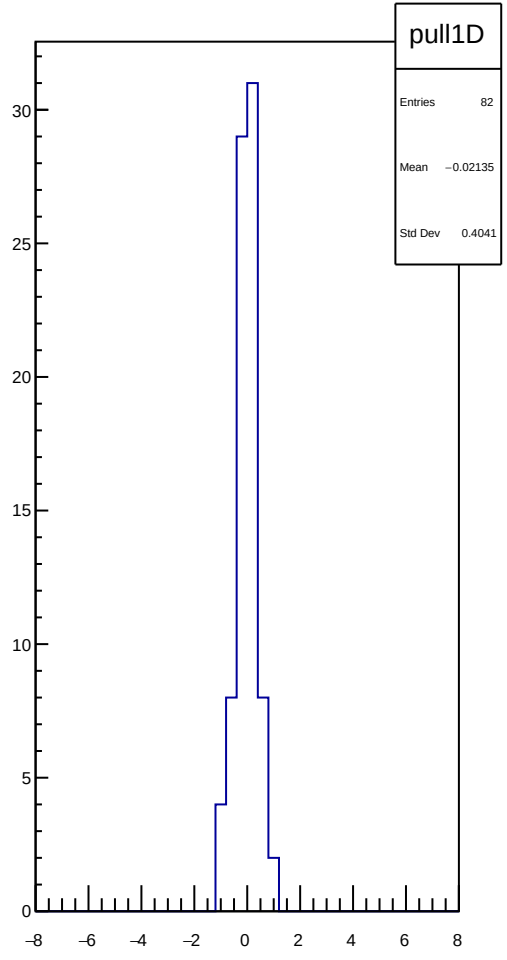

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 121 / 81
p0 −53.85 ± 2.619
pull
Entries 82
Mean 60.07
Std Dev 10.08
pull1D
Entries 82
Mean 0.3298
Std Dev 1.169

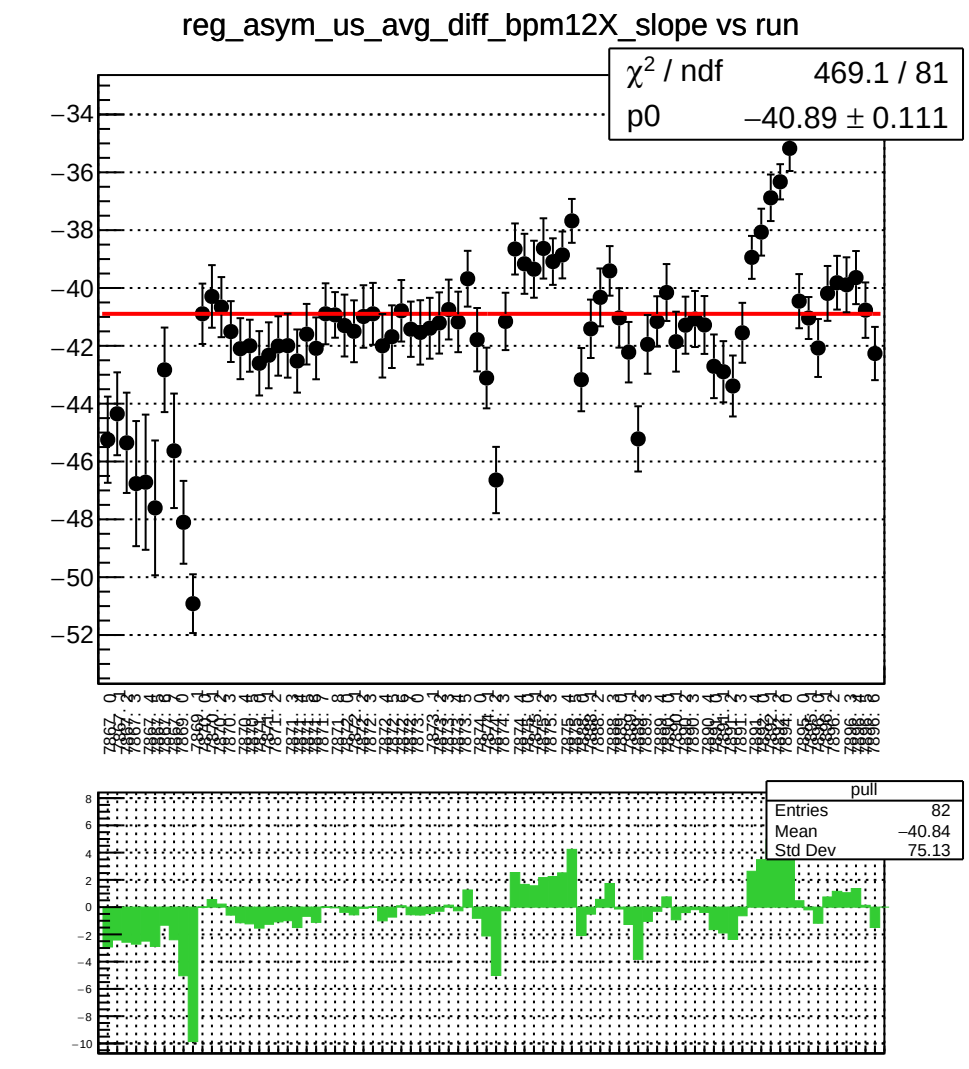

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.96 / 81
p0 14.12 ± 3.008
150
100
50
0
−50
pull
Entries 82
Mean 15.53
Std Dev 30.96
1.5
1
0.5
0
−0.5
−1

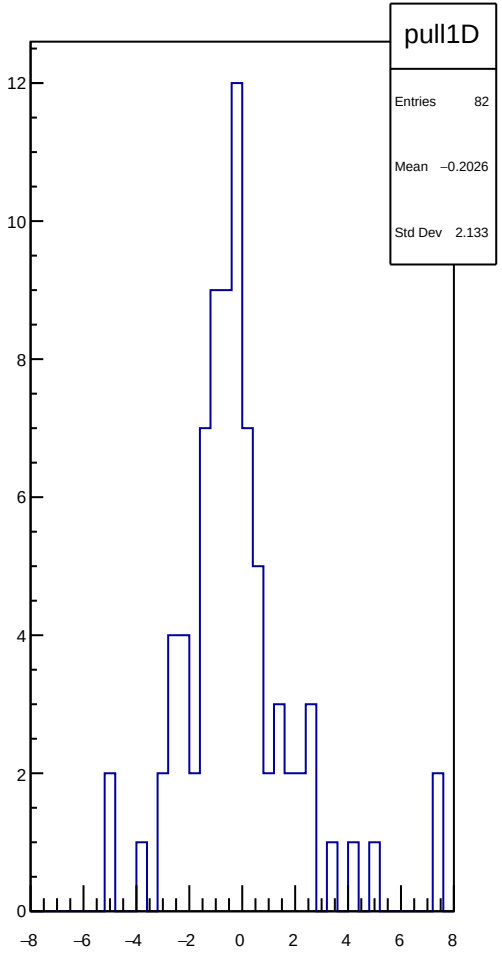

pull1D
Entries 82
Mean 0.05044
Std Dev 0.4241
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

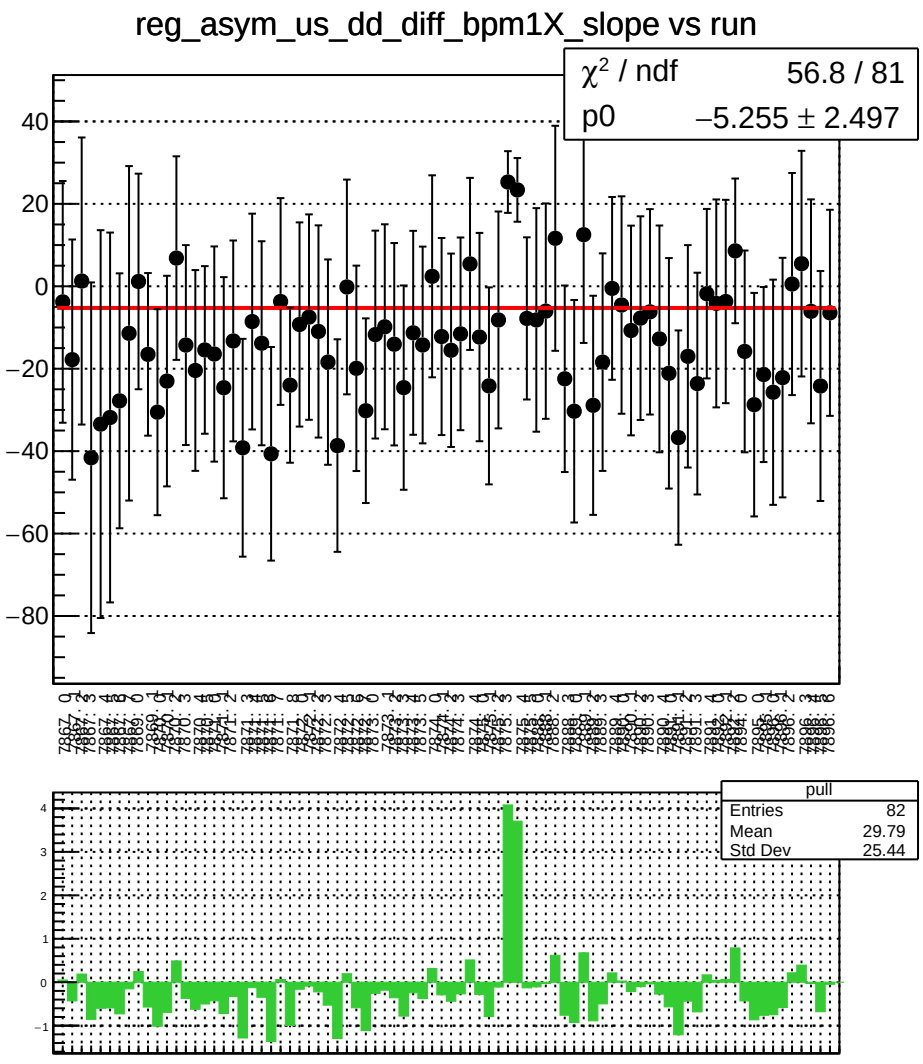

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 142.9 / 81
p0 53.46 ± 2.178
200
150
100
50
0
pull
Entries 82
Mean 57.11
Std Dev 16.15
6
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.4487
Std Dev 1.241
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

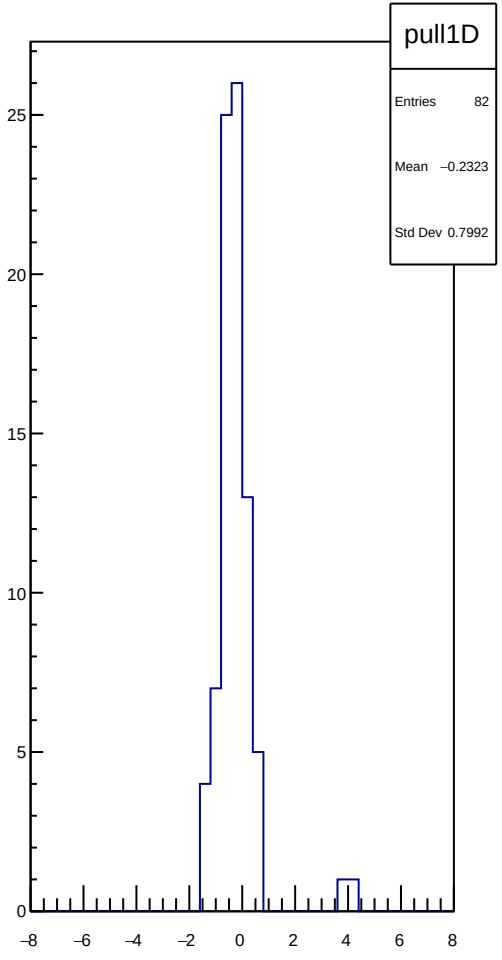

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.43 / 81
p0 6.83 ± 3.513
pull
Entries 82
Mean 39.59
Std Dev 50.69

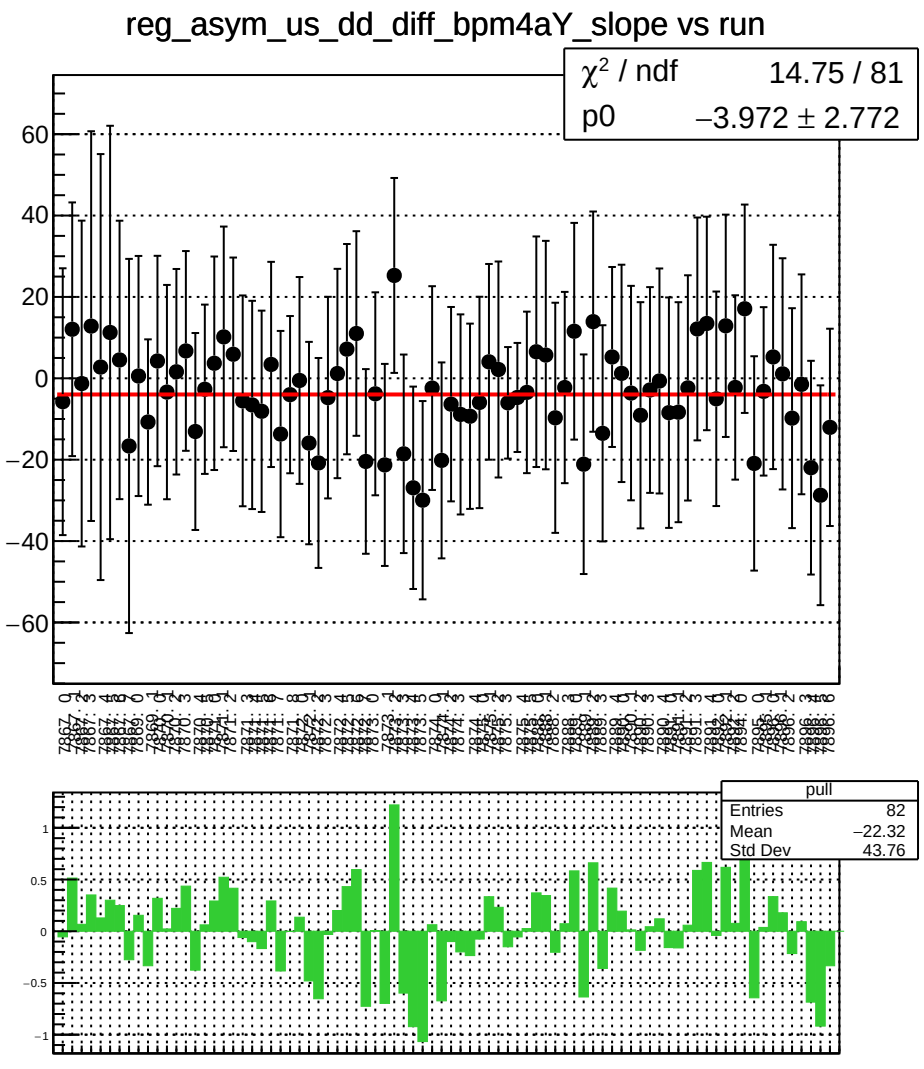

pull1D
Entries 82
Mean −0.02135
Std Dev 0.4041

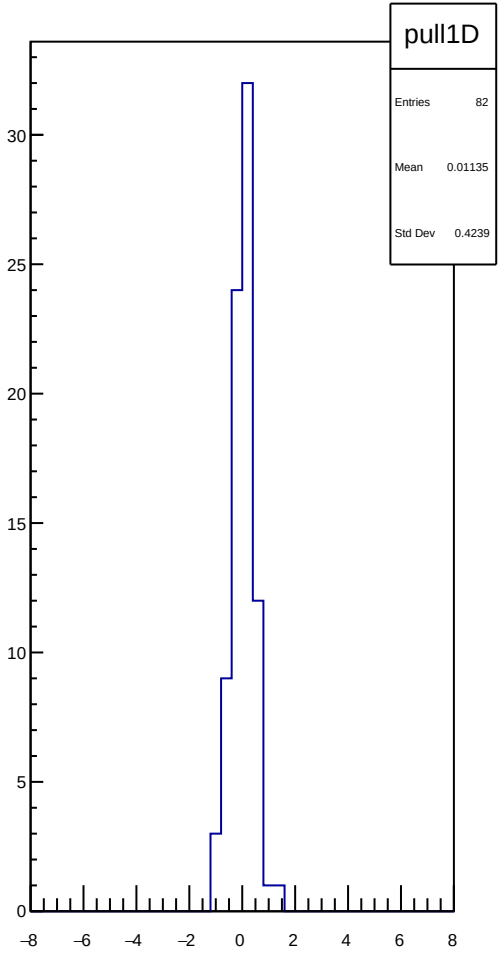

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 469.1 / 81
p0 −40.89 ± 0.111
pull
Entries 82
Mean −40.84
Std Dev 75.13

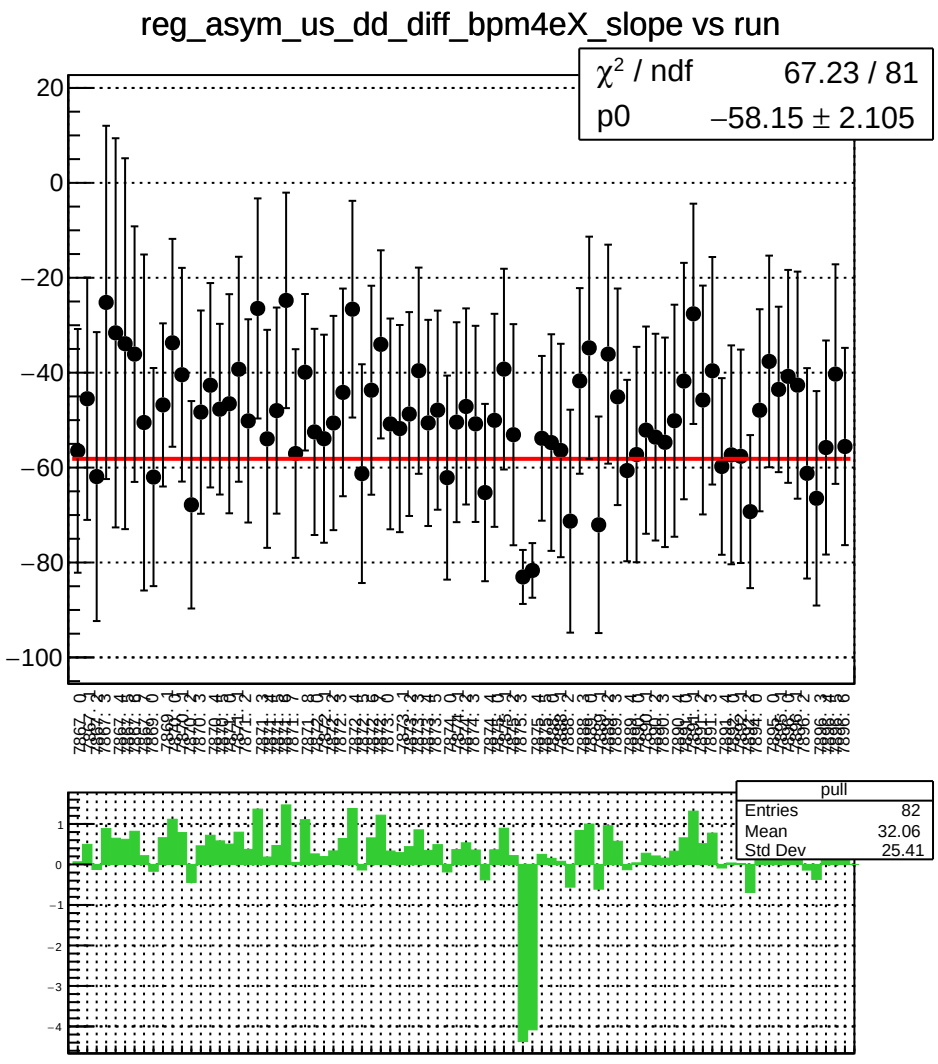

pull1D
Entries 82
Mean −0.2026
Std Dev 2.133

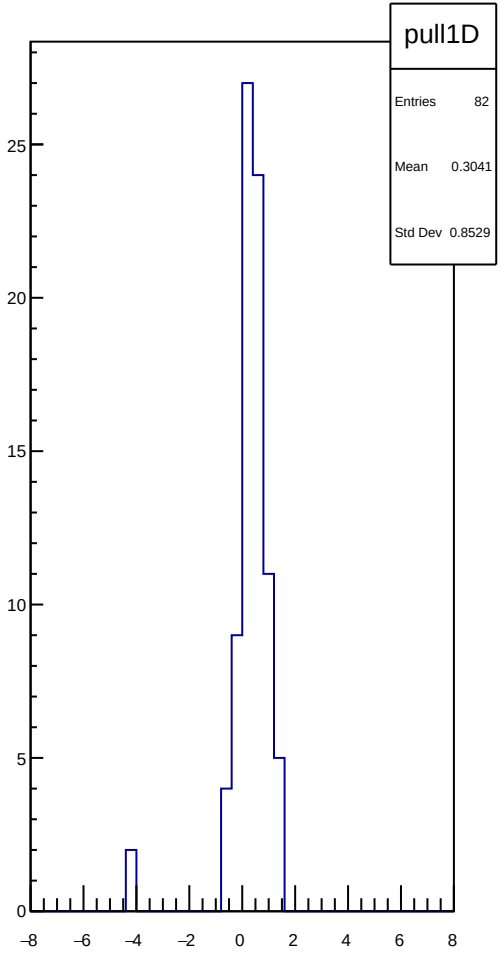

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 56.8 / 81
p0 −5.255 ± 2.497
pull
Entries 82
Mean 29.79
Std Dev 25.44

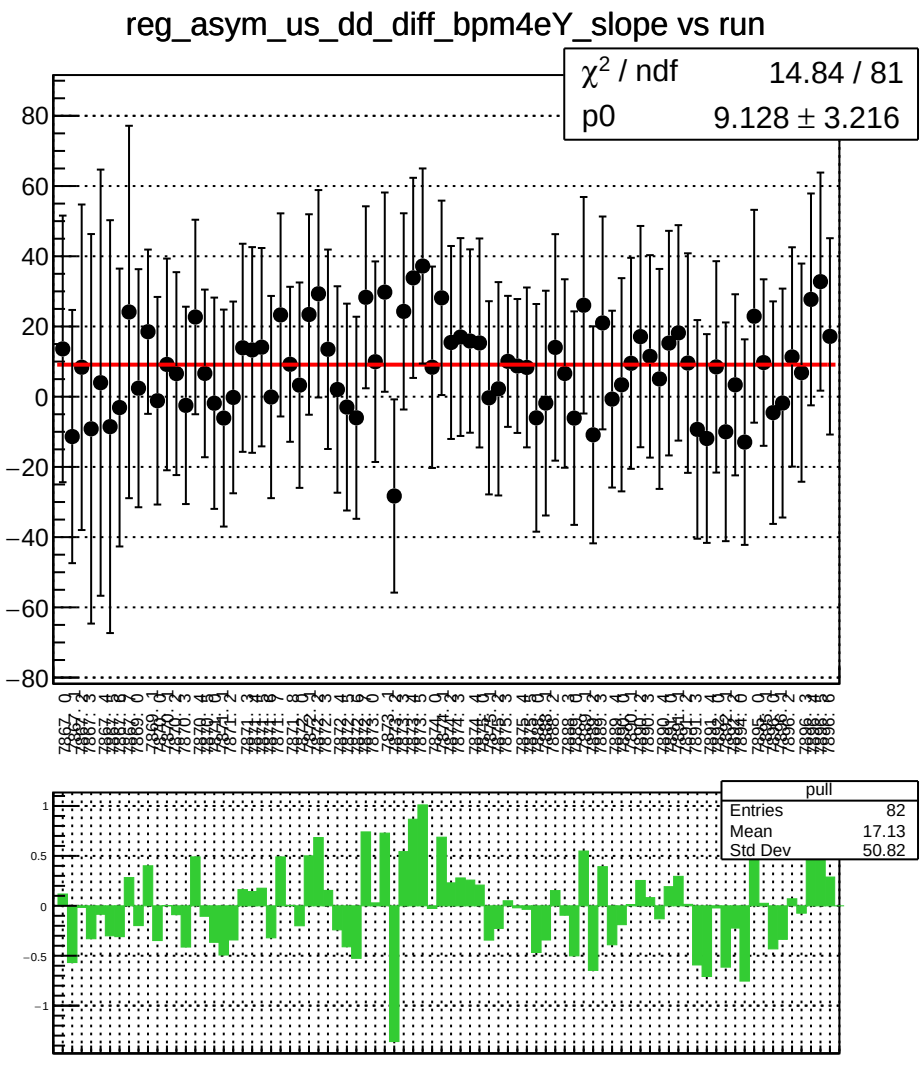

pull1D
Entries 82
Mean −0.2323
Std Dev 0.7992

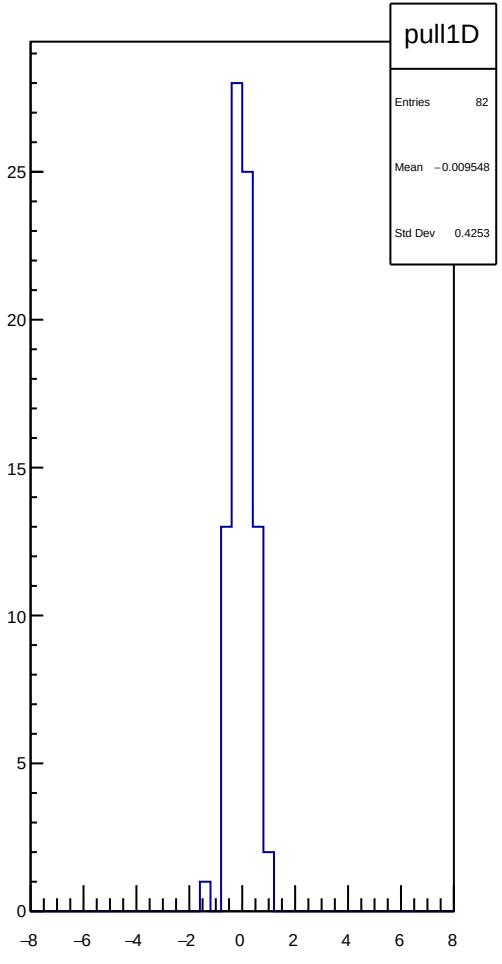

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.75 / 81
p0 −3.972 ± 2.772
pull
Entries 82
Mean −22.32
Std Dev 43.76

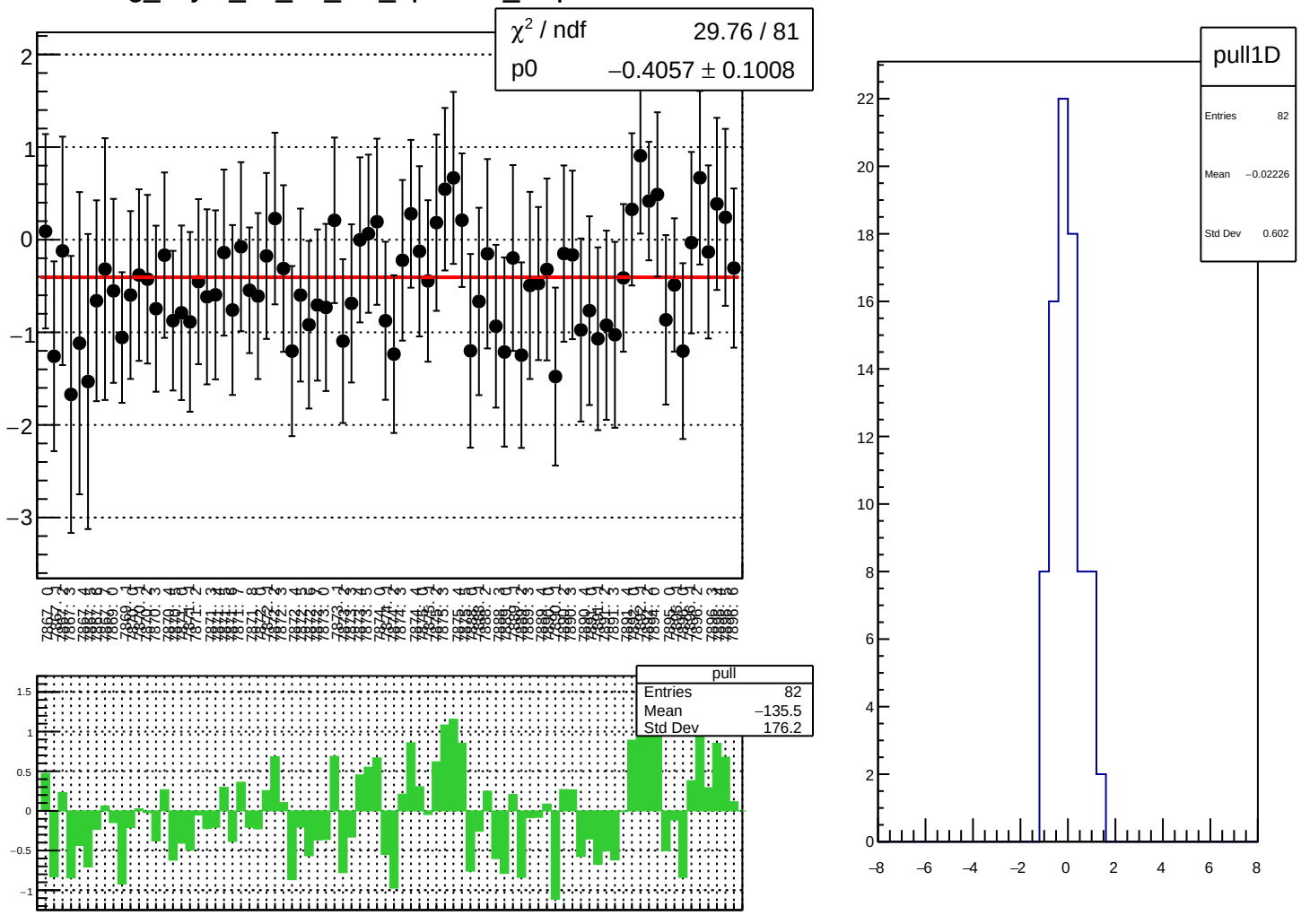

pull1D
Entries 82
Mean 0.01135
Std Dev 0.4239

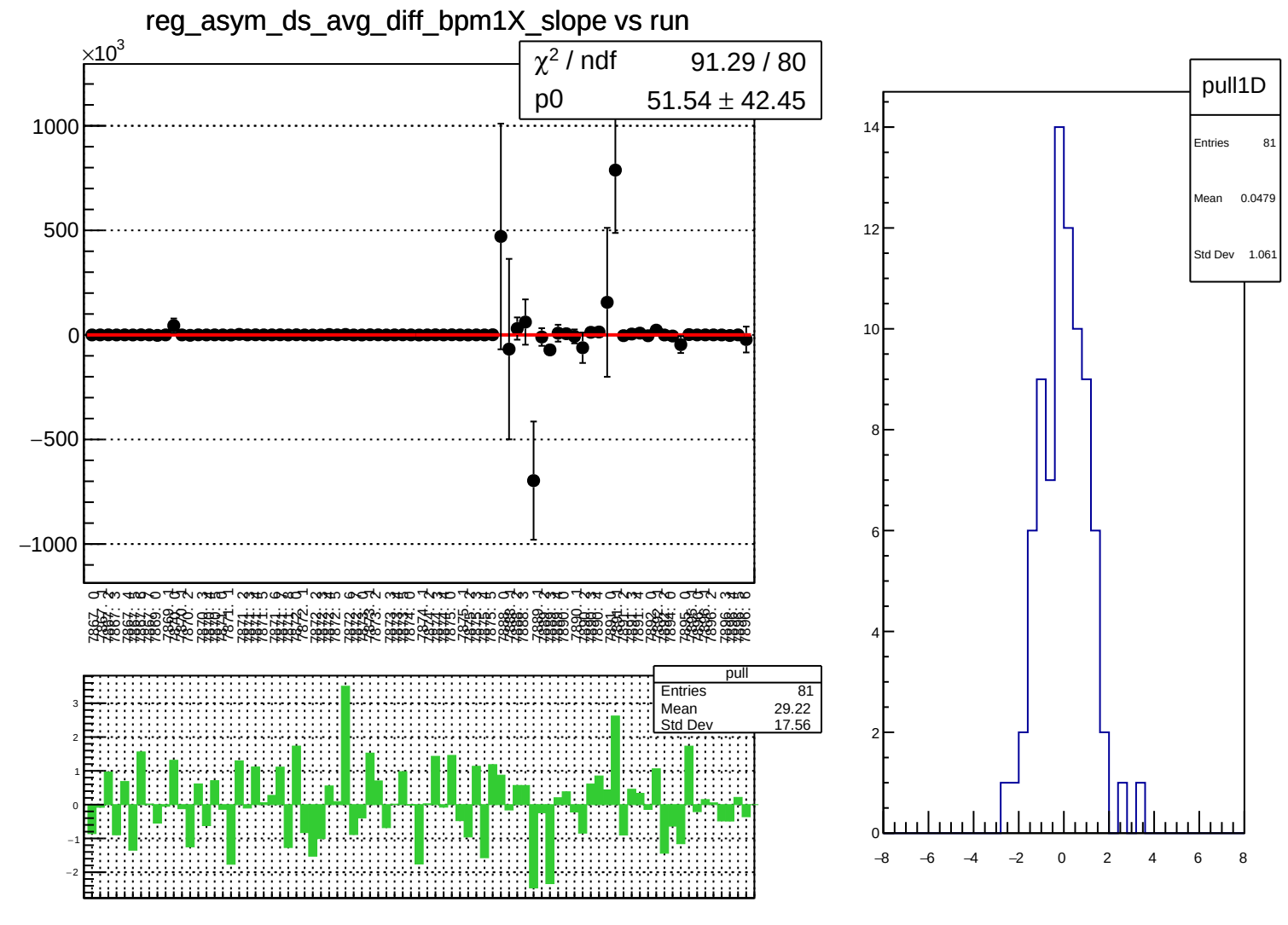

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.23 / 81
p0 −58.15 ± 2.105
pull
Entries 82
Mean 32.06
Std Dev 25.41

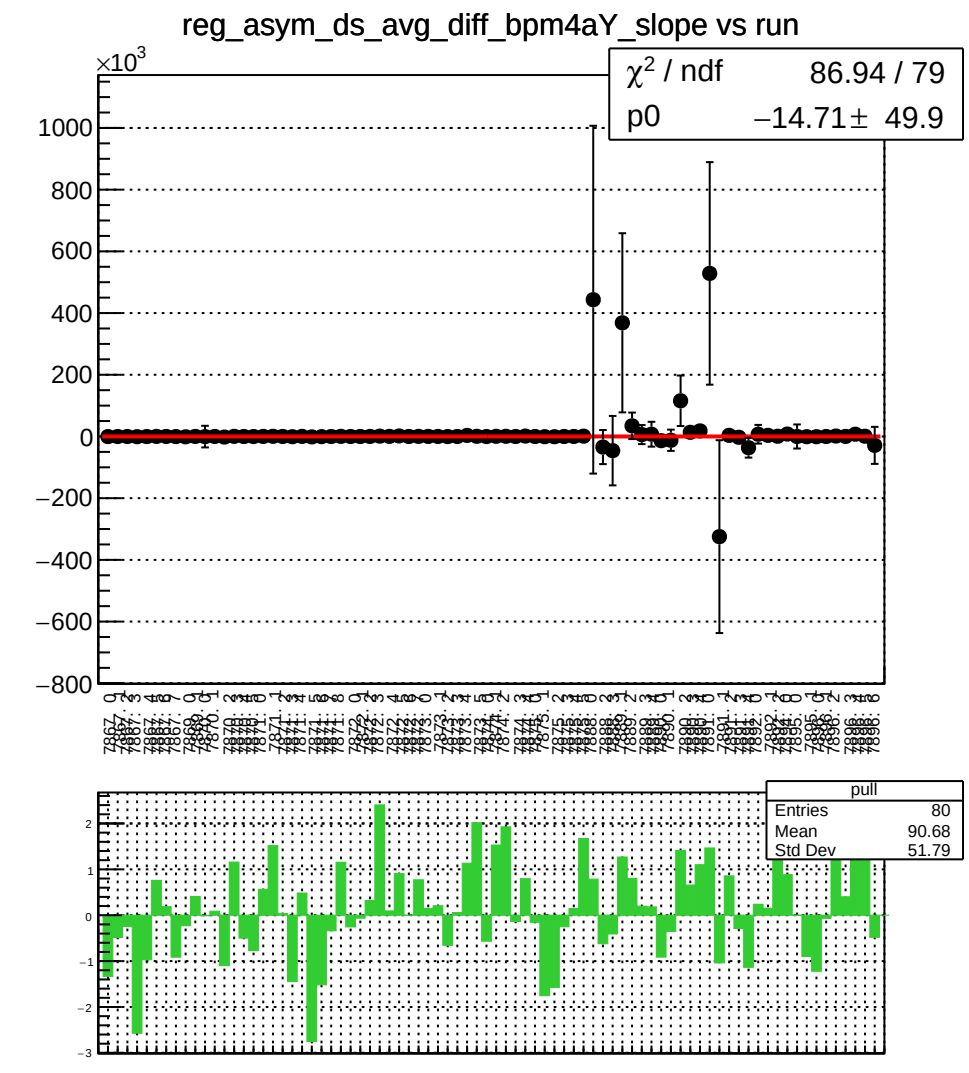

pull1D
Entries 82
Mean 0.3041
Std Dev 0.8529

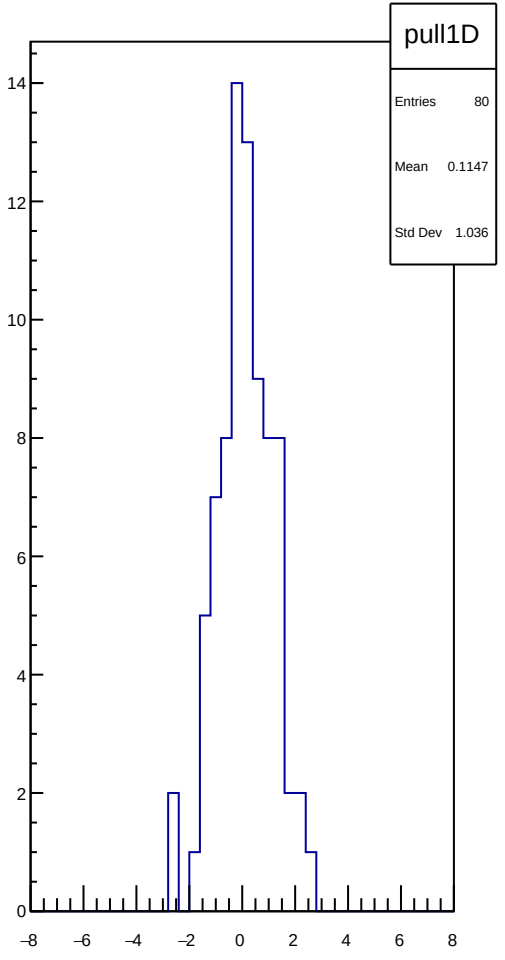

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.84 / 81
p0 9.128 ± 3.216
pull
Entries 82
Mean 17.13
Std Dev 50.82

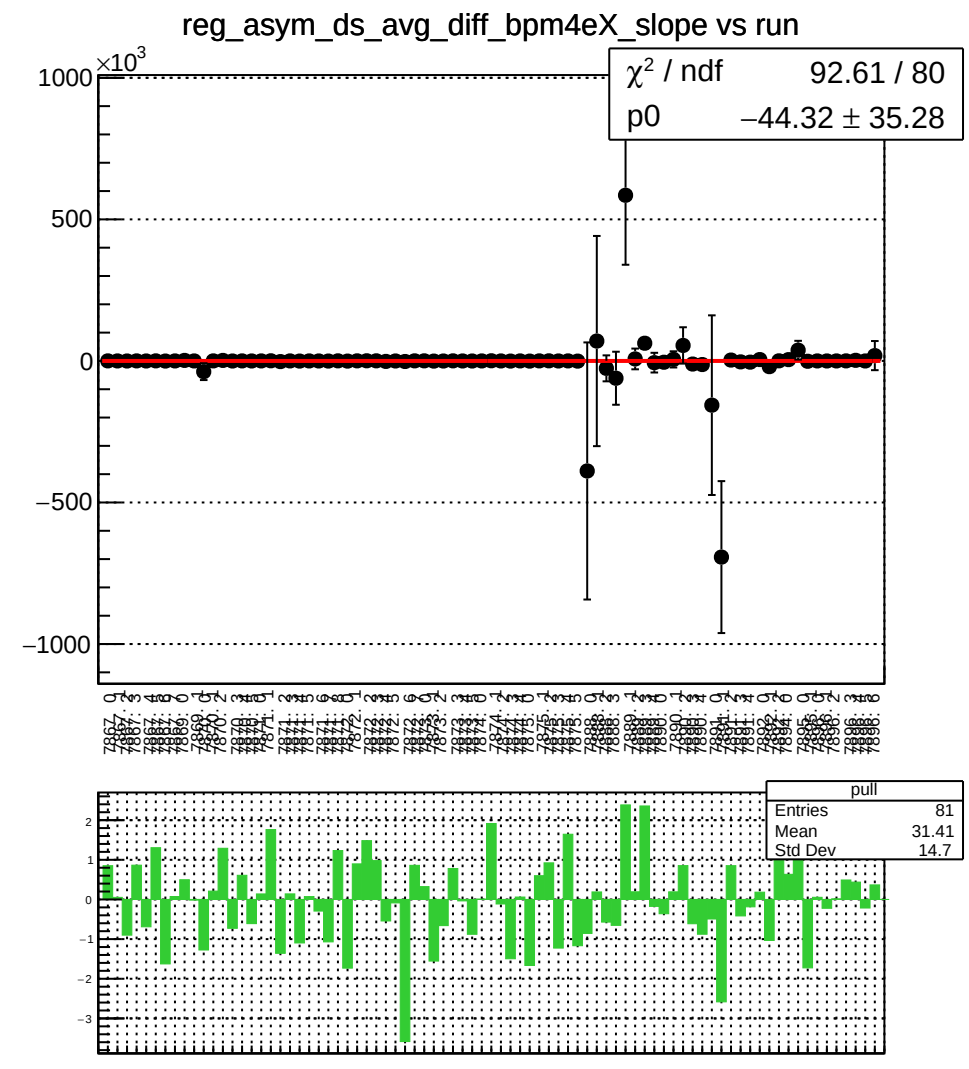

pull1D
Entries 82
Mean −0.009548
Std Dev 0.4253

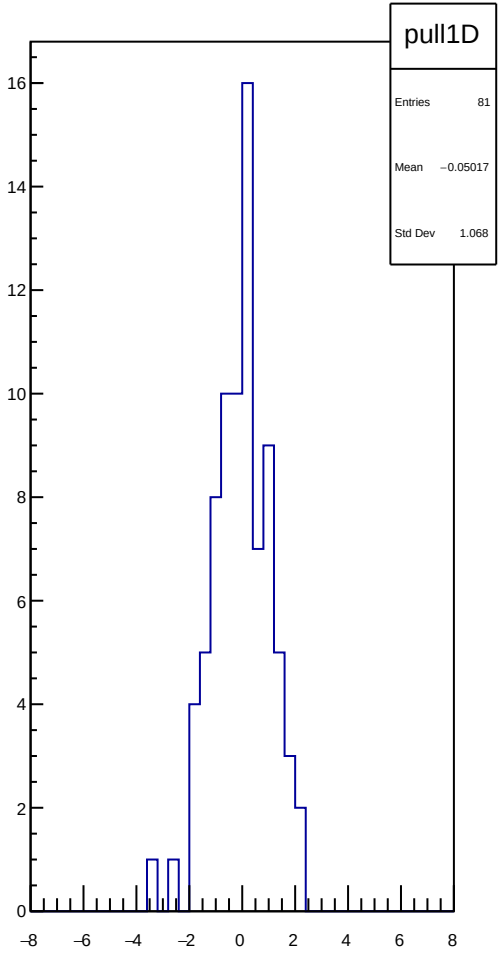

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 29.76 / 81
p0 −0.4057 ± 0.1008
pull
Entries 82
Mean −135.5
Std Dev 176.2
pull1D
Entries 82
Mean −0.02226
Std Dev 0.602

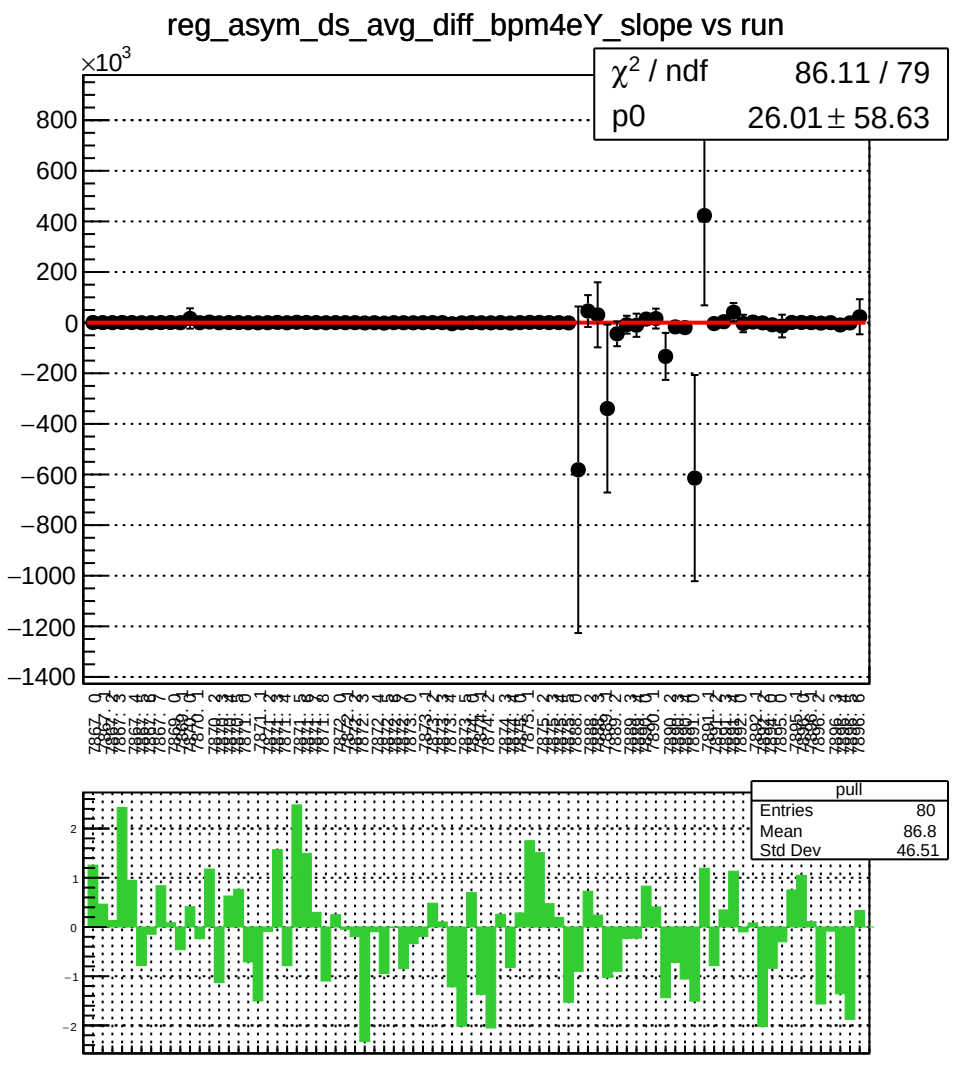

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 91.29 / 80
p0 51.54 ± 42.45
1000
500
0
−500
−1000
pull
Entries 81
Mean 29.22
Std Dev 17.56
pull1D
Entries 81
Mean 0.0479
Std Dev 1.061

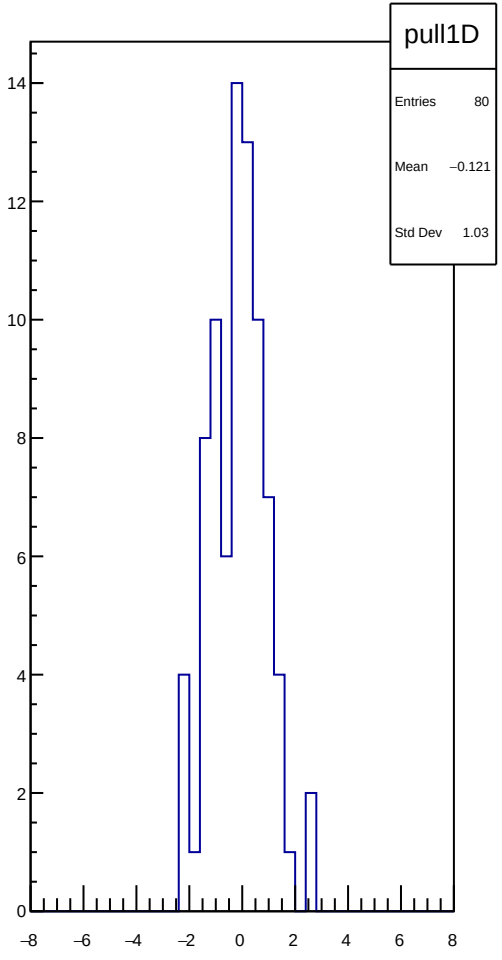

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.94 / 79
p0 −14.71± 49.9
pull
Entries 80
Mean 90.68
Std Dev 51.79

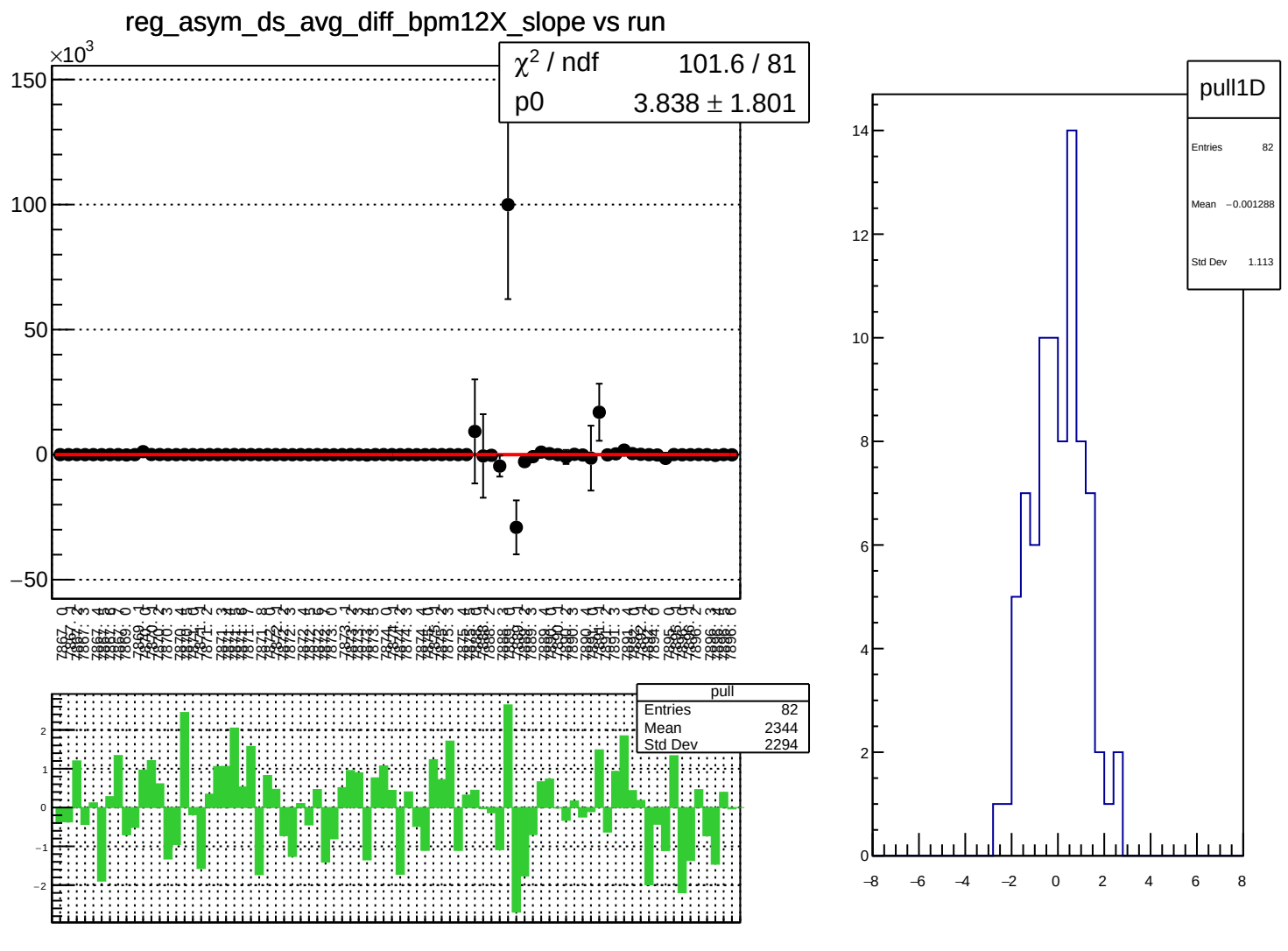

pull1D
Entries 80
Mean 0.1147
Std Dev 1.036

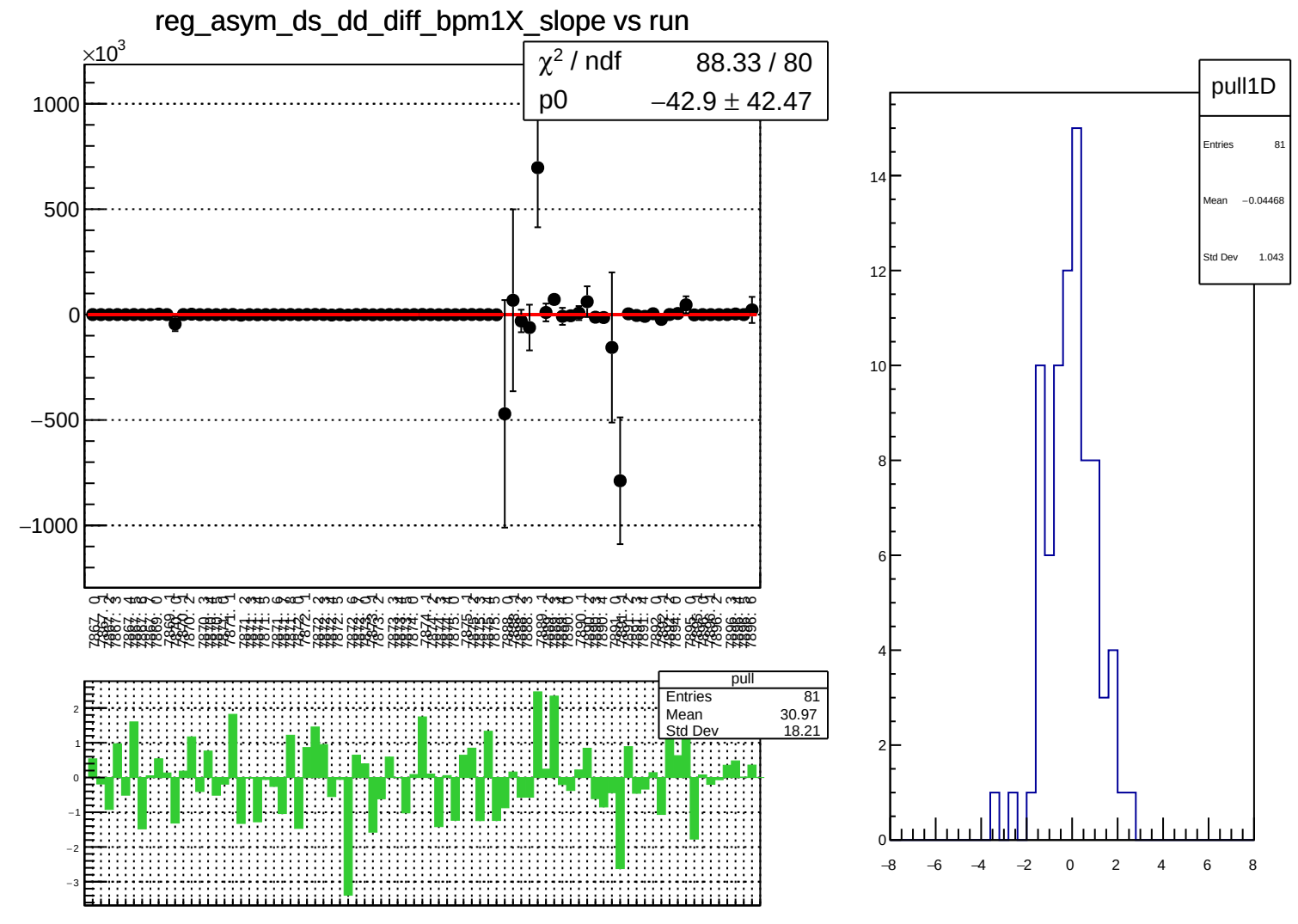

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.61 / 80
p0 −44.32 ± 35.28
×10³
1000
500
0
−500
−1000
pull
Entries 81
Mean 31.41
Std Dev 14.7
2
1
0
−1
−2
−3

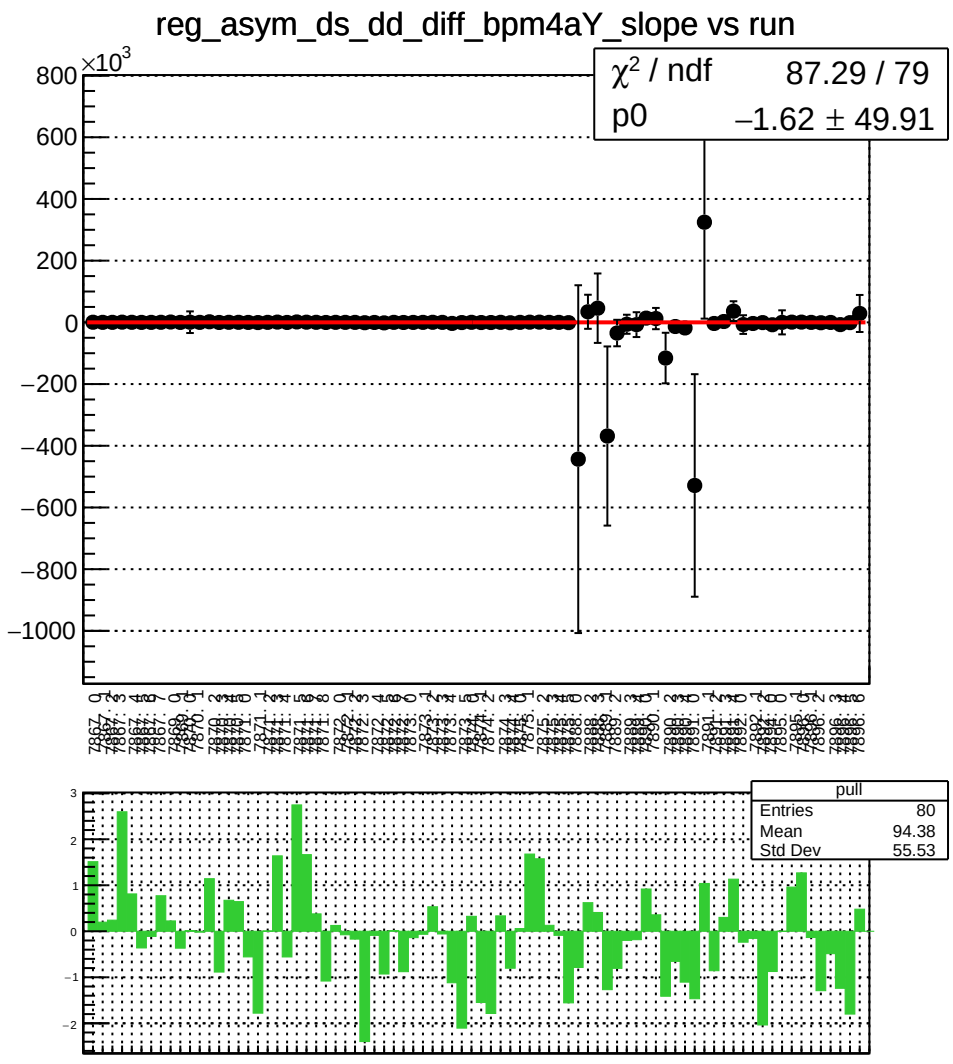

pull1D
Entries 81
Mean −0.05017
Std Dev 1.068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

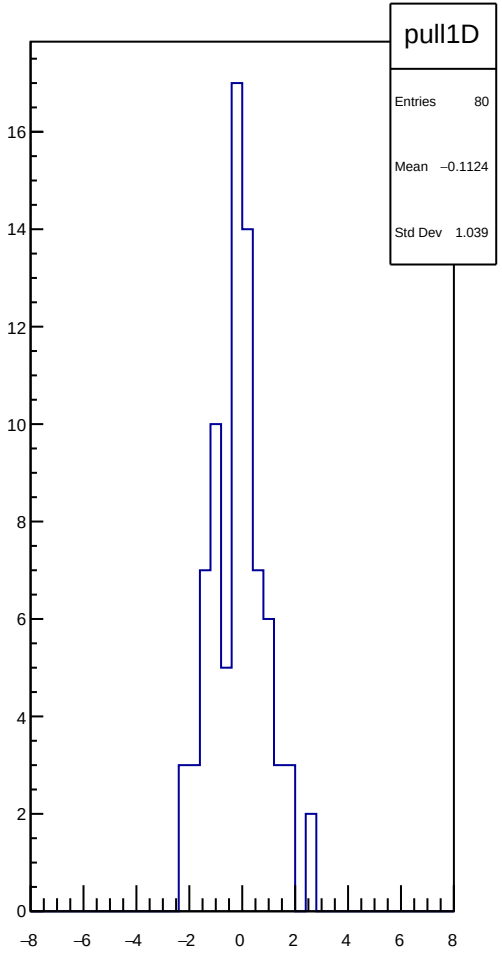

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 86.11 / 79
p0 26.01 ± 58.63
pull
Entries 80
Mean 86.8
Std Dev 46.51

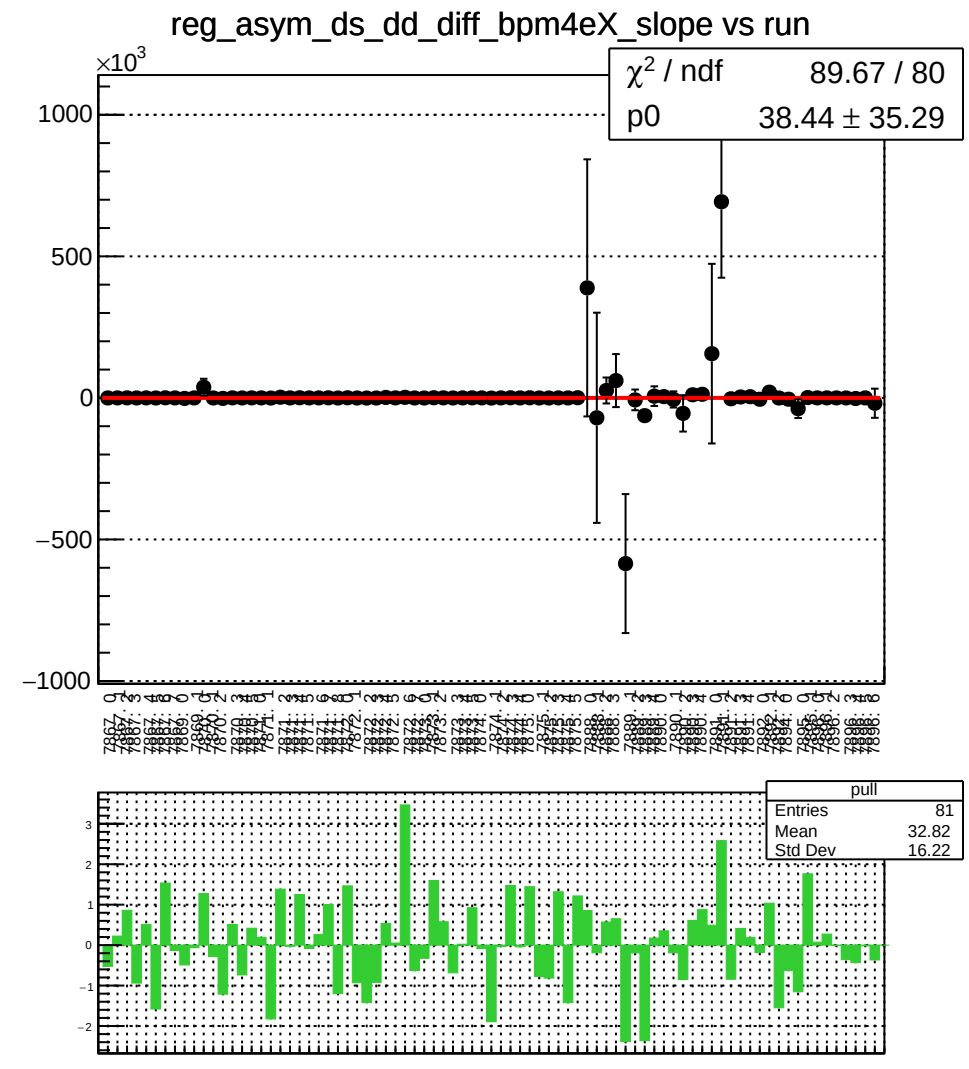

pull1D
Entries 80
Mean −0.121
Std Dev 1.03

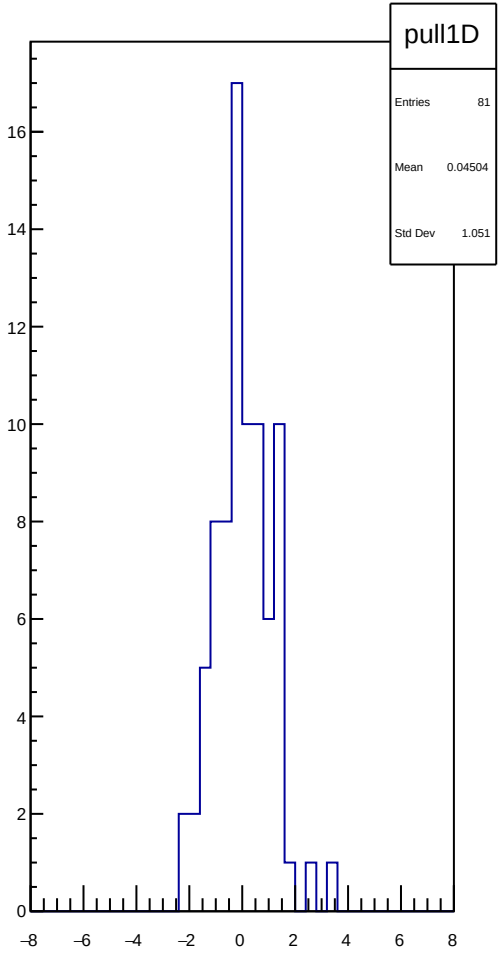

reg_asym_ds_avg_diff_bpm12X_slope vs run
×10^3
χ² / ndf 101.6 / 81
p0 3.838 ± 1.801
150
100
50
0
−50
pull
Entries 82
Mean 2344
Std Dev 2294
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.001288
Std Dev 1.113
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

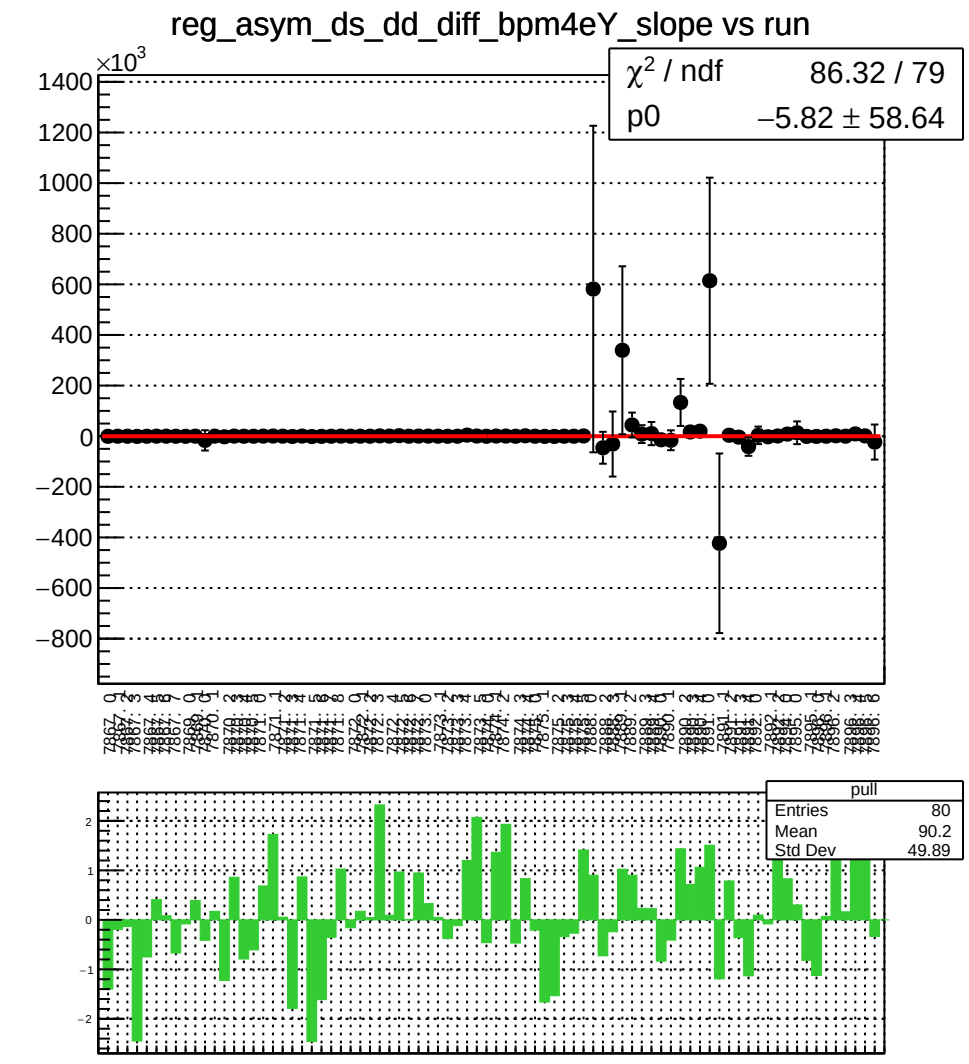

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 88.33 / 80
p0 −42.9 ± 42.47
1000
500
0
−500
−1000
pull
Entries 81
Mean 30.97
Std Dev 18.21
pull1D
Entries 81
Mean −0.04468
Std Dev 1.043

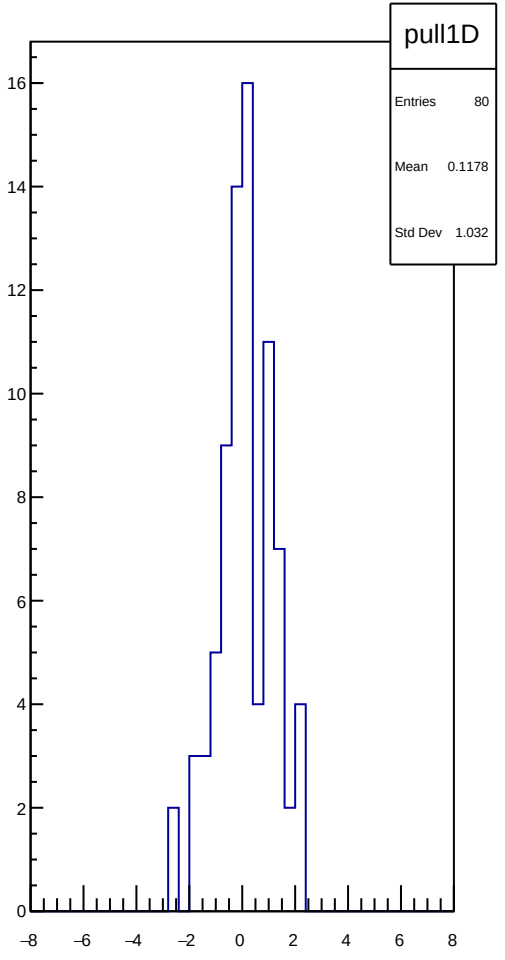

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.29 / 79
p0 −1.62 ± 49.91
×10³
pull
Entries 80
Mean 94.38
Std Dev 55.53

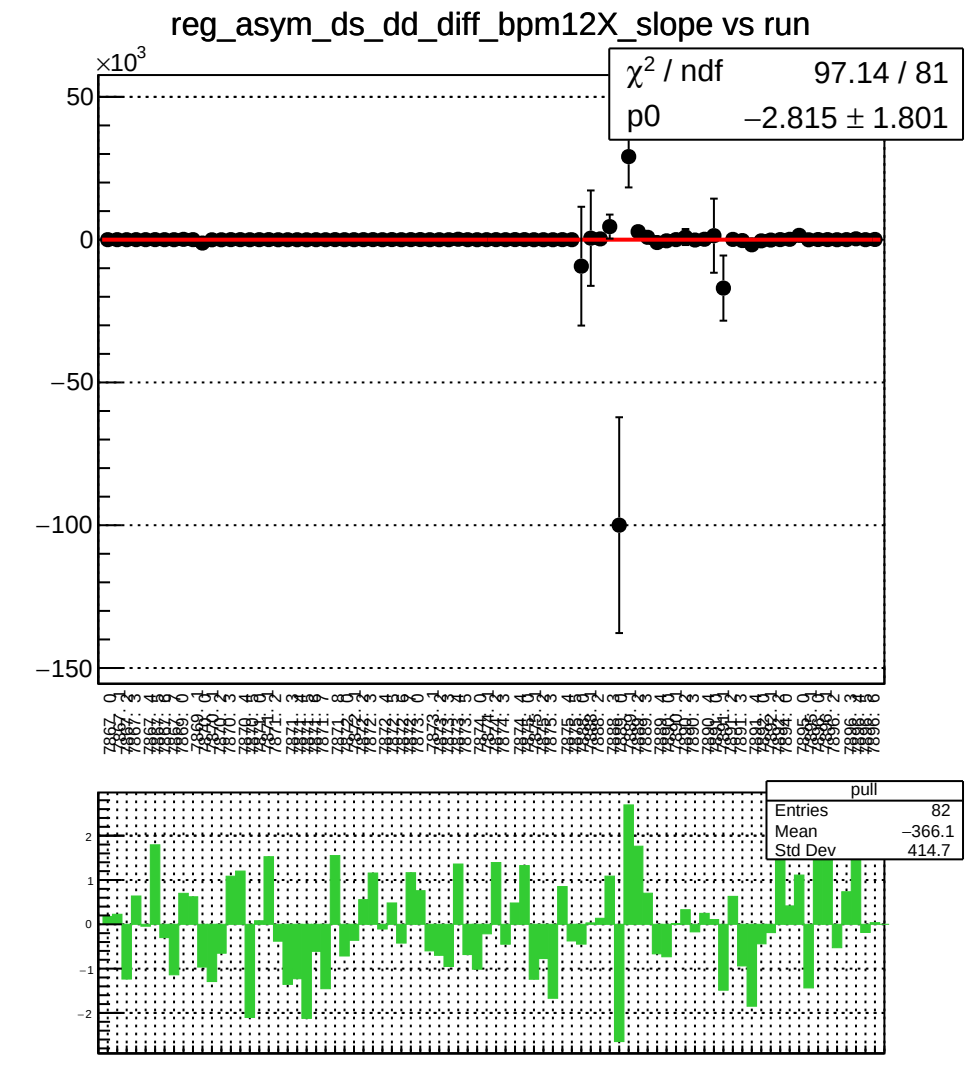

pull1D
Entries 80
Mean −0.1124
Std Dev 1.039

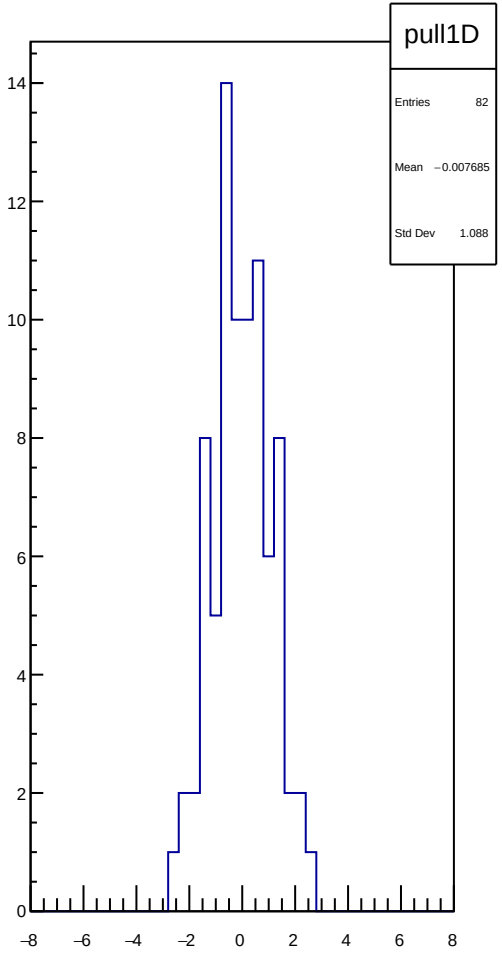

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.67 / 80
p0 38.44 ± 35.29
×10³
pull
Entries 81
Mean 32.82
Std Dev 16.22

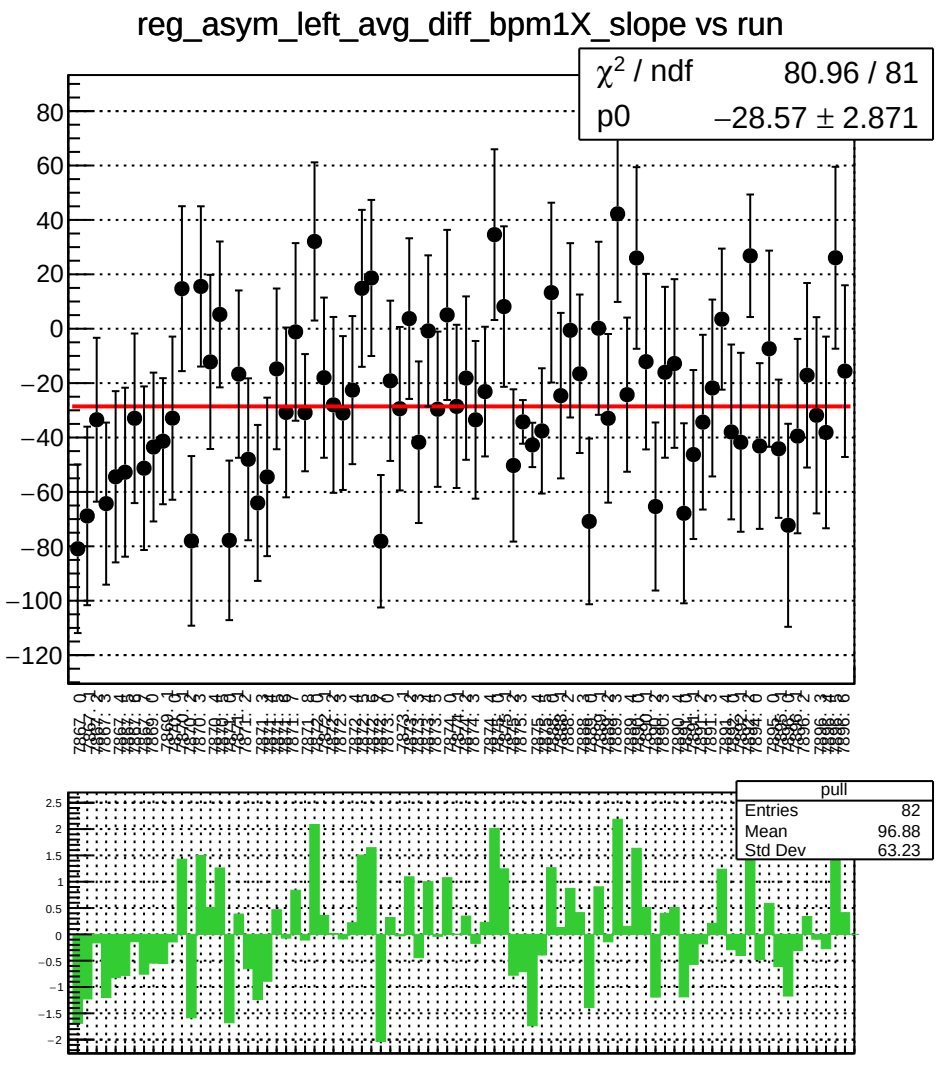

pull1D
Entries 81
Mean 0.04504
Std Dev 1.051

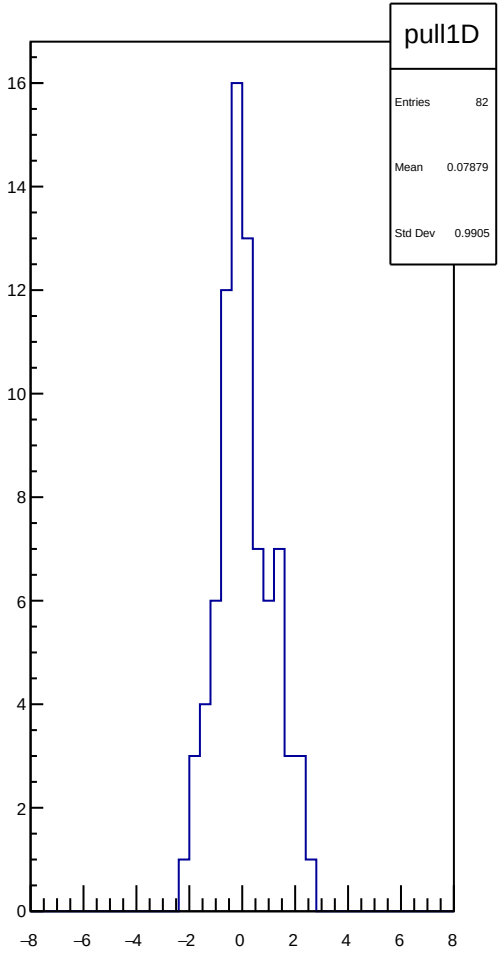

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.32 / 79
p0 −5.82 ± 58.64
pull
Entries 80
Mean 90.2
Std Dev 49.89

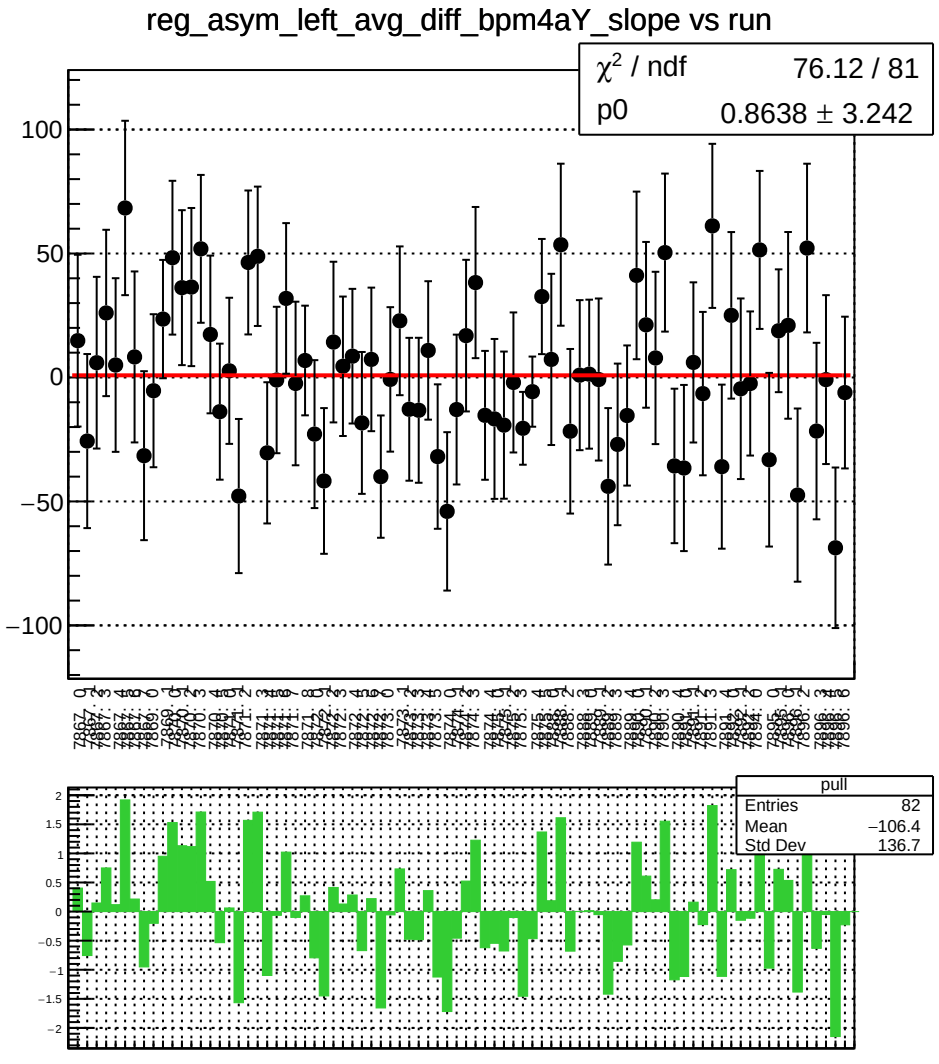

pull1D
Entries 80
Mean 0.1178
Std Dev 1.032

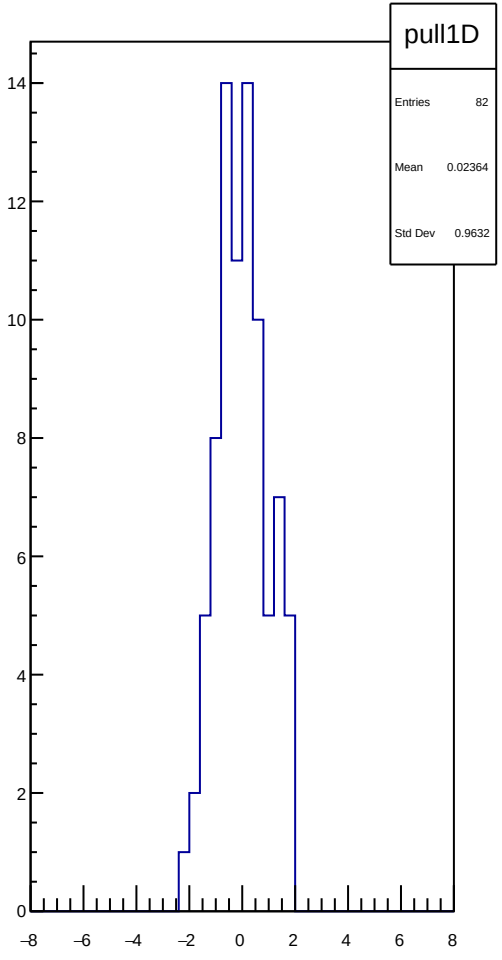

reg_asym_ds_dd_diff_bpm12X_slope vs run
×10^3
χ² / ndf 97.14 / 81
p0 −2.815 ± 1.801
50
0
−50
−100
−150
pull
Entries 82
Mean −366.1
Std Dev 414.7
2
1
0
−1
−2

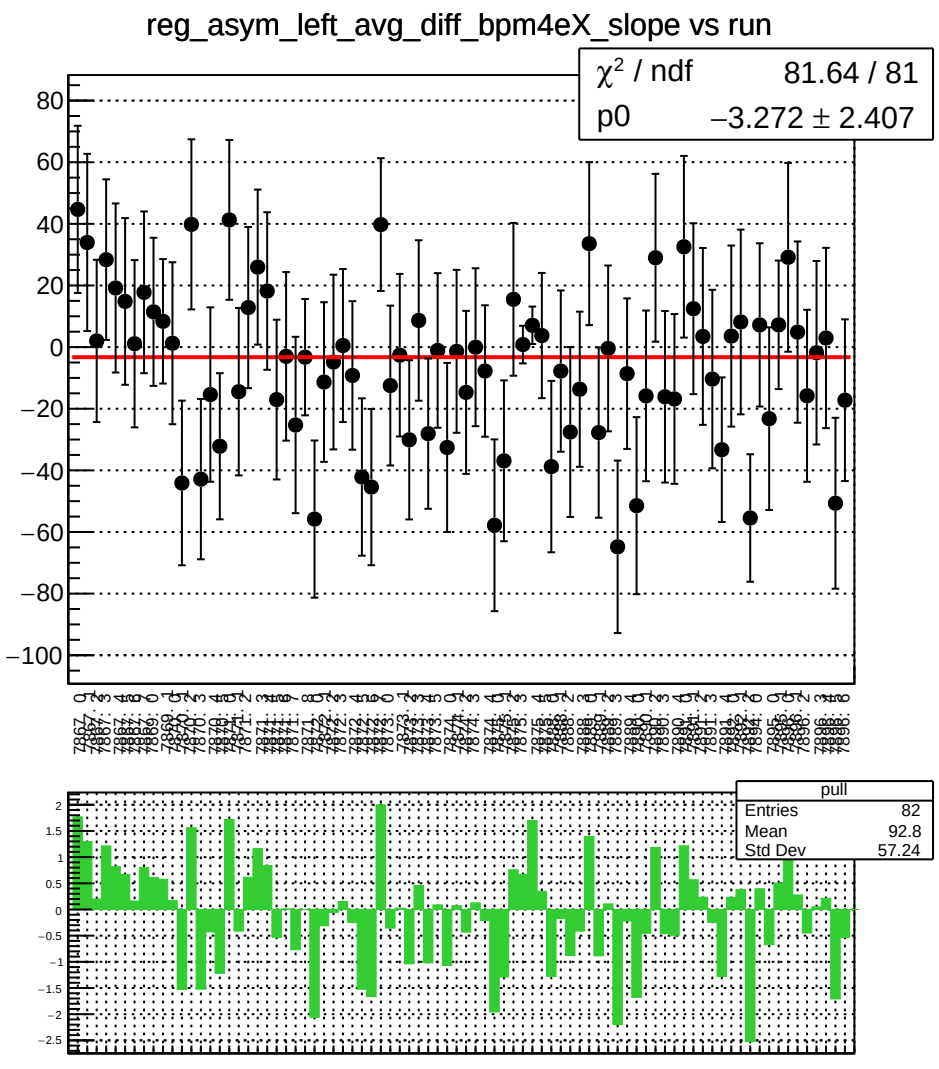

pull1D
Entries 82
Mean −0.007685
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

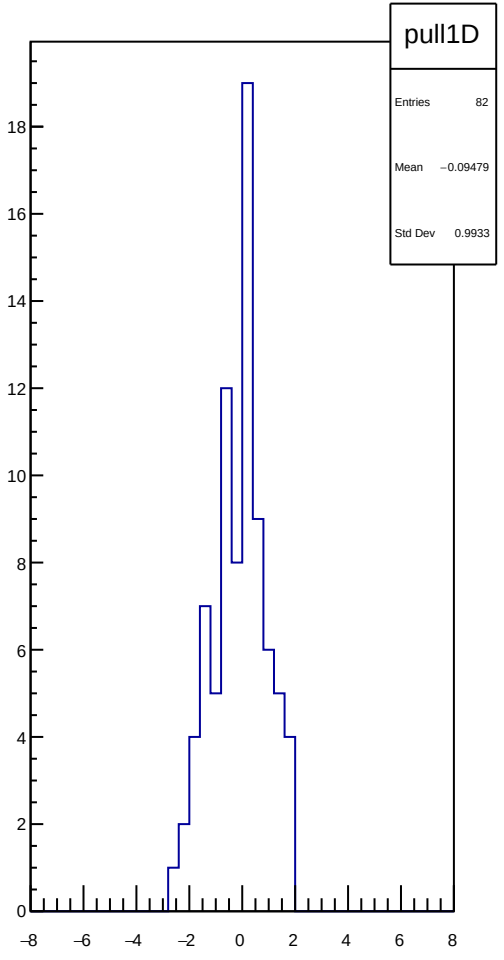

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 80.96 / 81
p0 −28.57 ± 2.871
pull
Entries 82
Mean 96.88
Std Dev 63.23

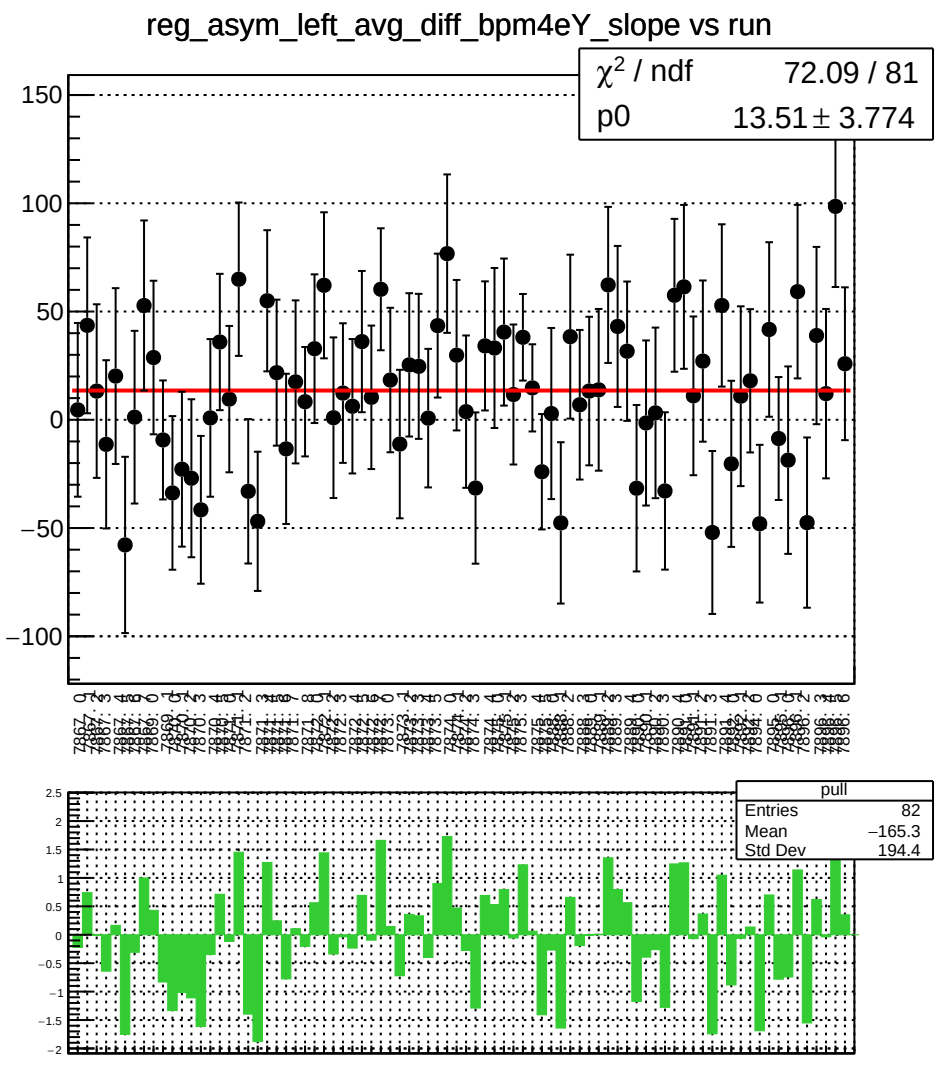

pull1D
Entries 82
Mean 0.07879
Std Dev 0.9905

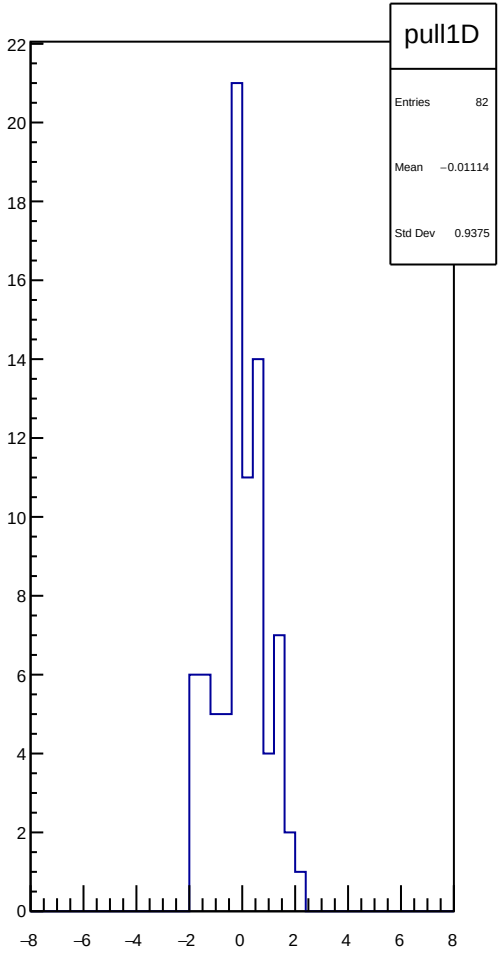

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.12 / 81
p0 0.8638 ± 3.242
pull
Entries 82
Mean −106.4
Std Dev 136.7

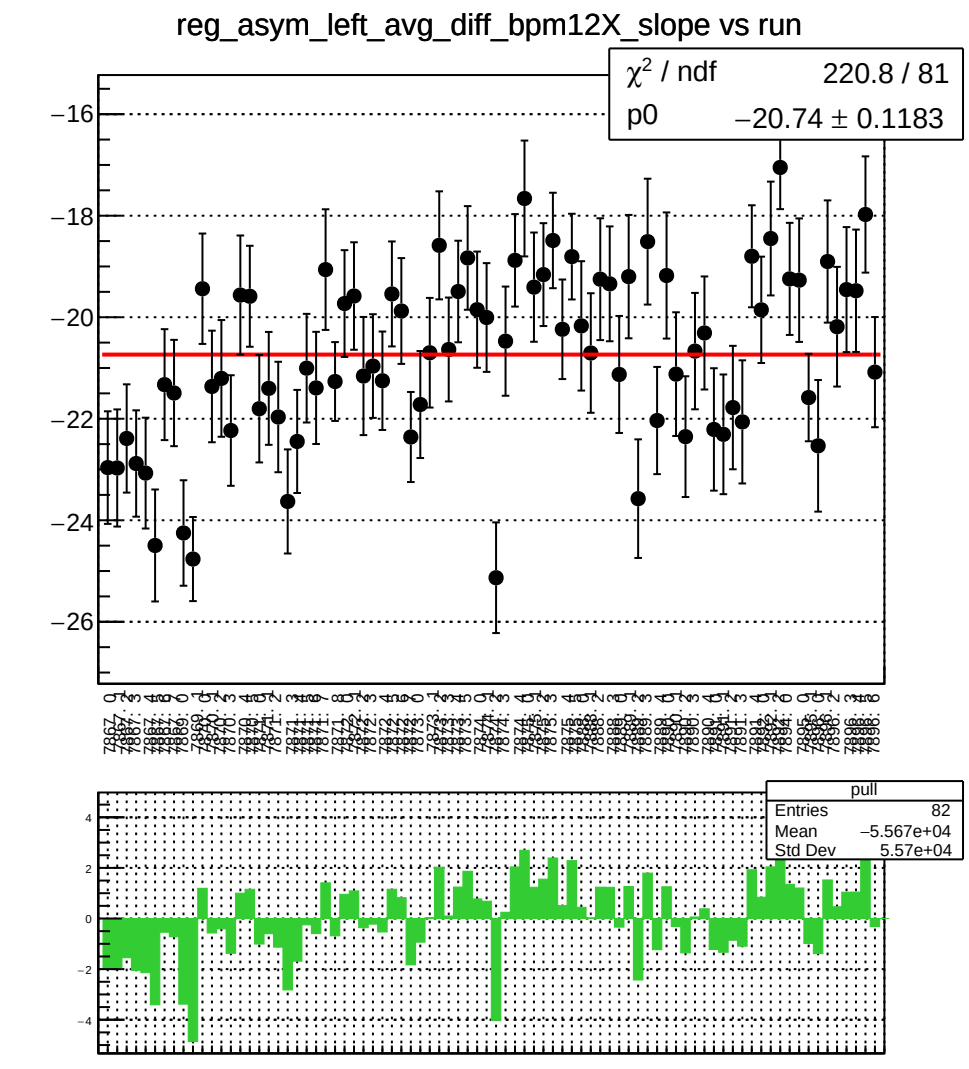

pull1D
Entries 82
Mean 0.02364
Std Dev 0.9632

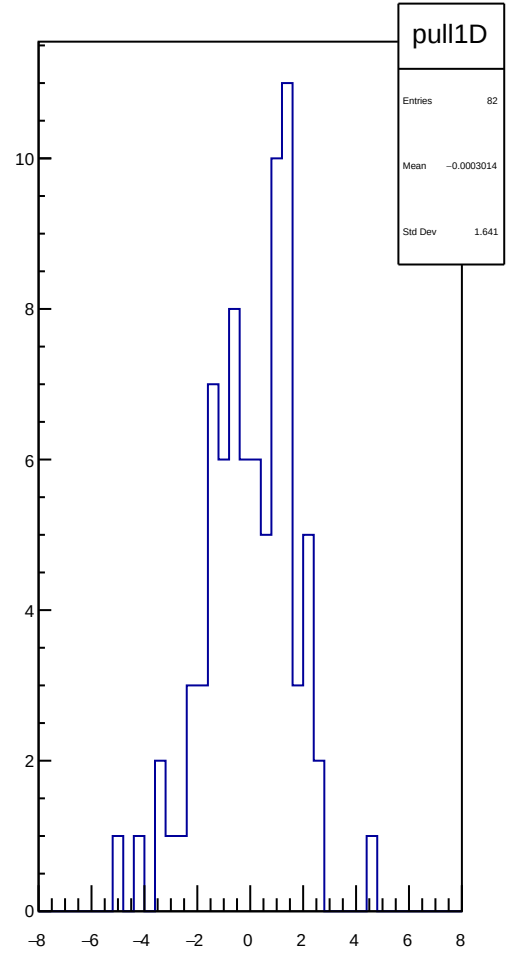

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.64 / 81
p0 −3.272 ± 2.407
pull
Entries 82
Mean 92.8
Std Dev 57.24

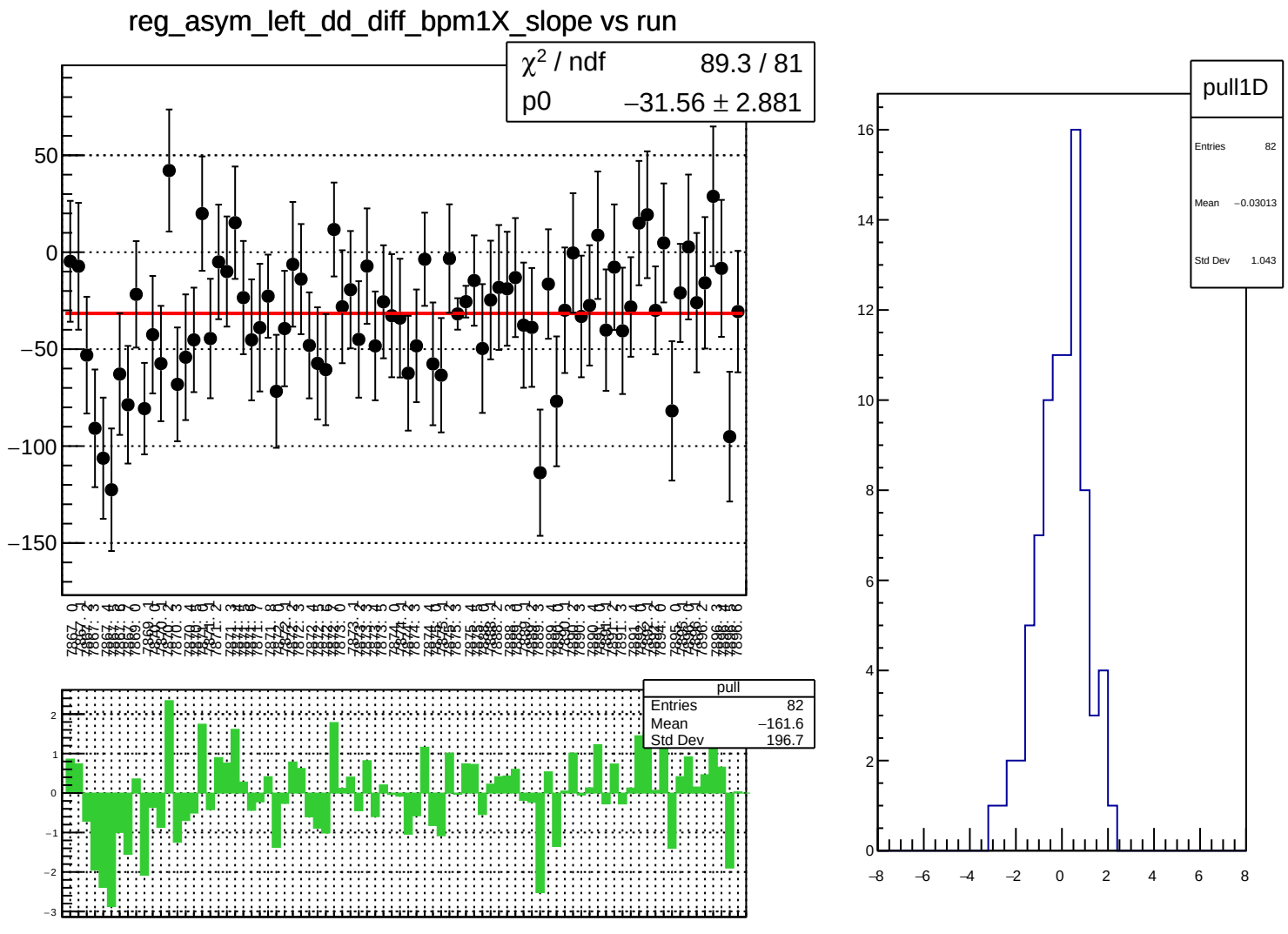

pull1D
Entries 82
Mean −0.09479
Std Dev 0.9933

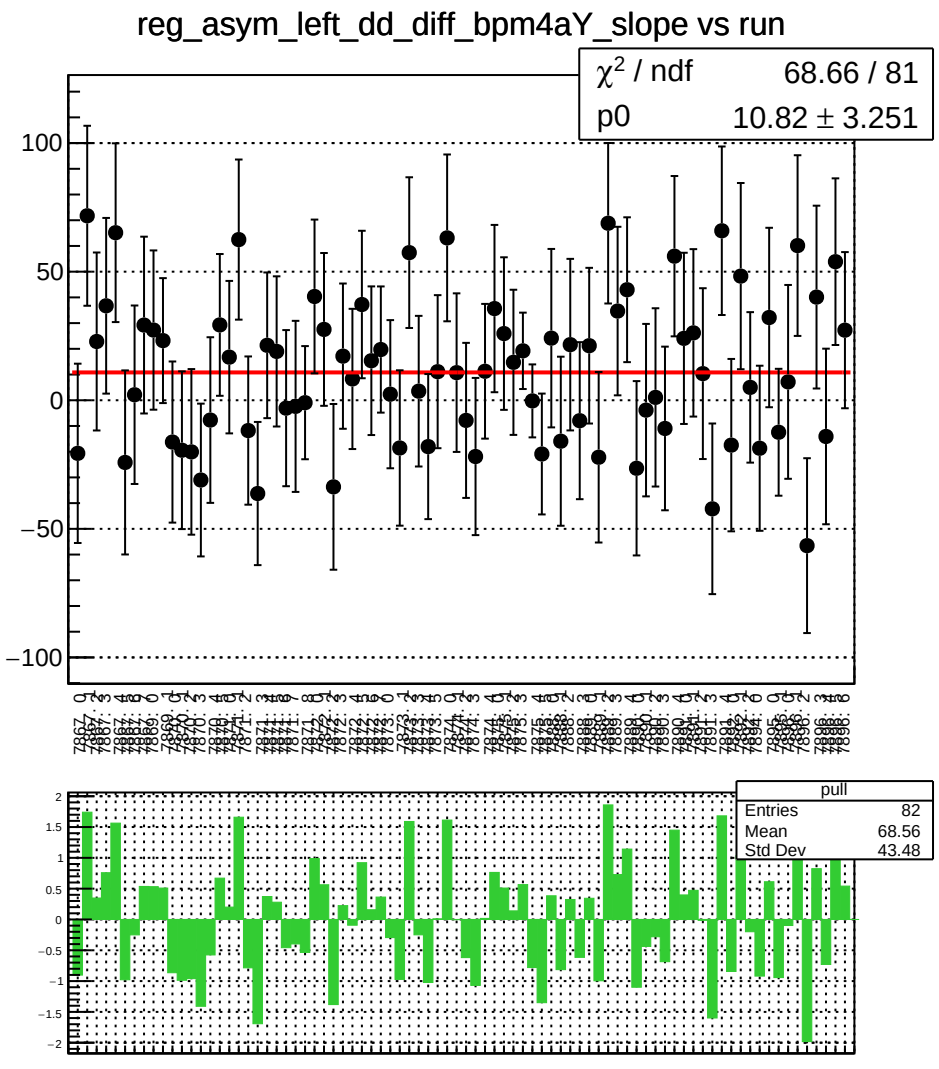

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.09 / 81
p0 13.51 ± 3.774
pull
Entries 82
Mean −165.3
Std Dev 194.4

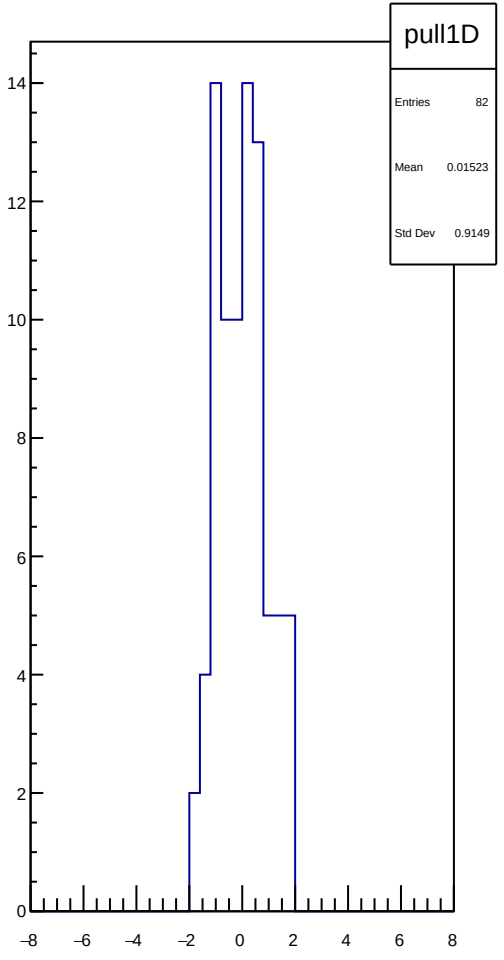

pull1D
Entries 82
Mean −0.01114
Std Dev 0.9375

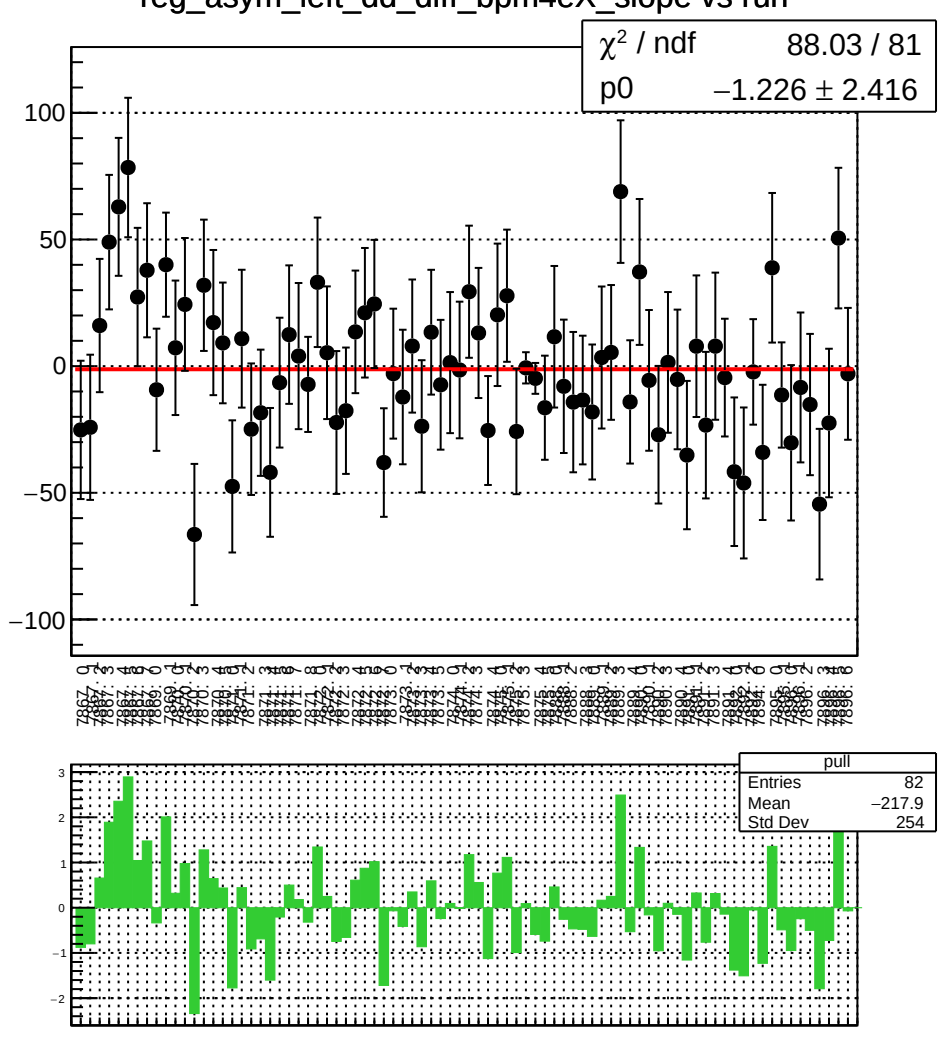

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 220.8 / 81
p0 −20.74 ± 0.1183
pull
Entries 82
Mean −5.567e+04
Std Dev 5.57e+04

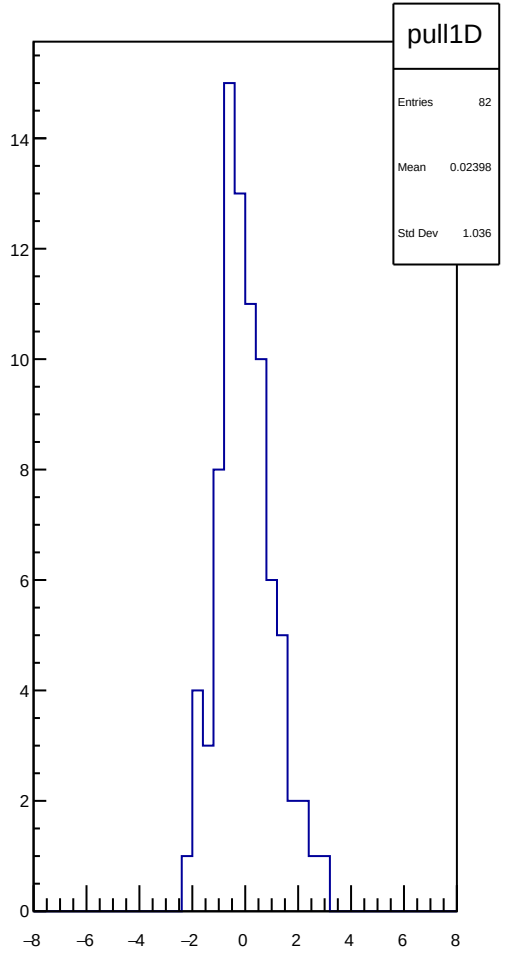

pull1D
Entries 82
Mean −0.0003014
Std Dev 1.641

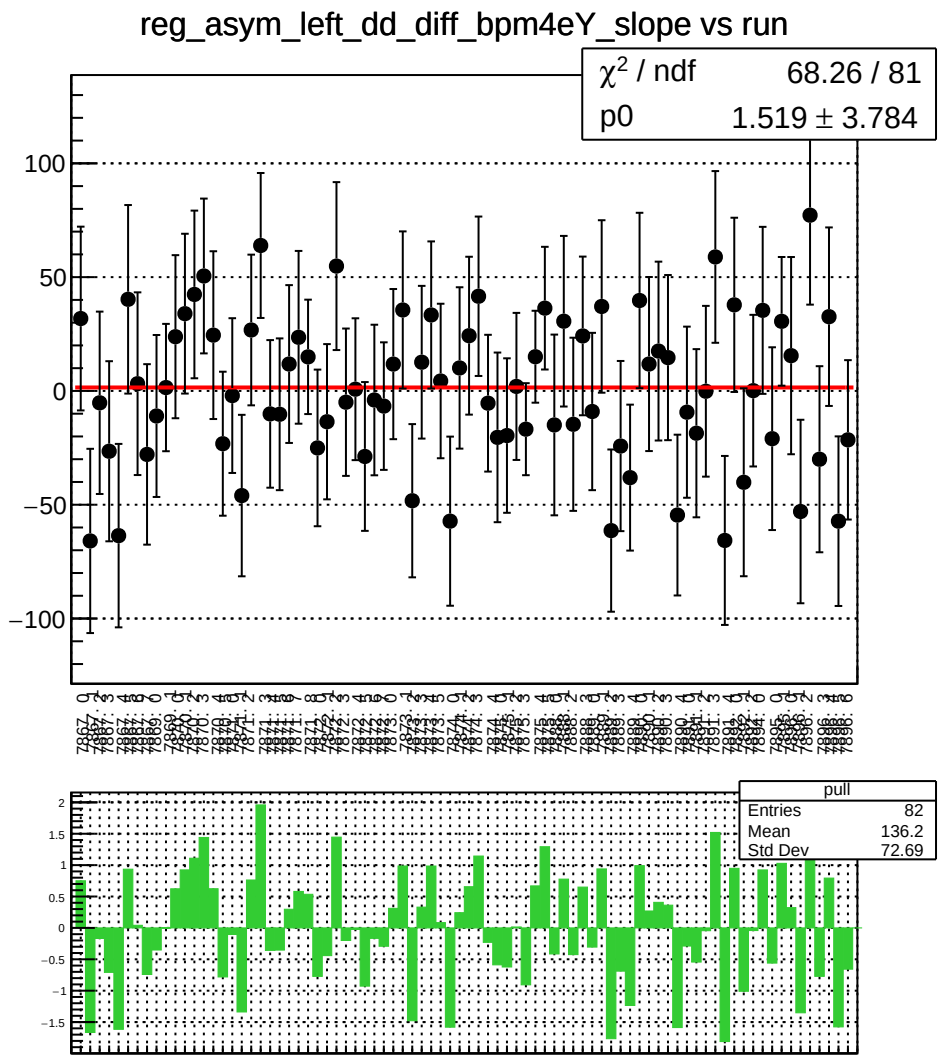

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 89.3 / 81
p0 −31.56 ± 2.881
50
0
−50
−100
−150
pull
Entries 82
Mean −161.6
Std Dev 196.7
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.03013
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

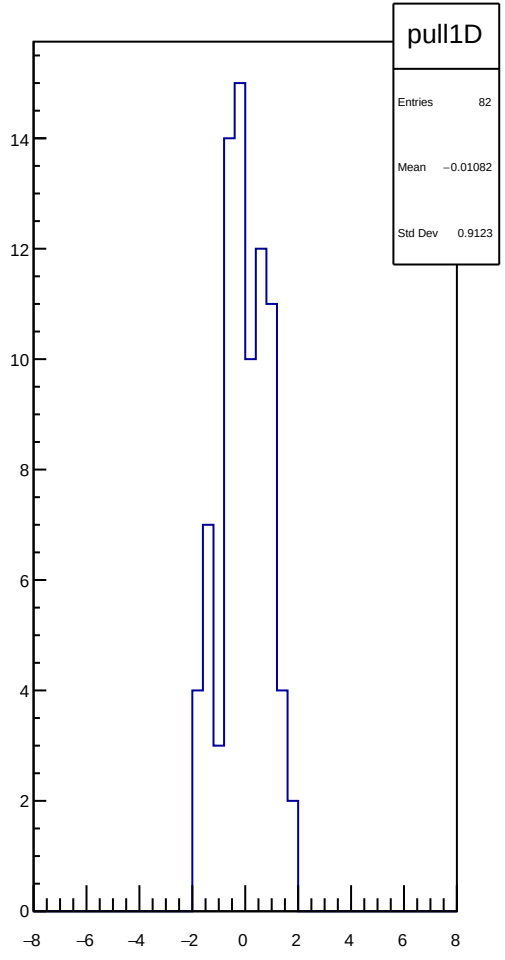

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.66 / 81
p0 10.82 ± 3.251
pull
Entries 82
Mean 68.56
Std Dev 43.48

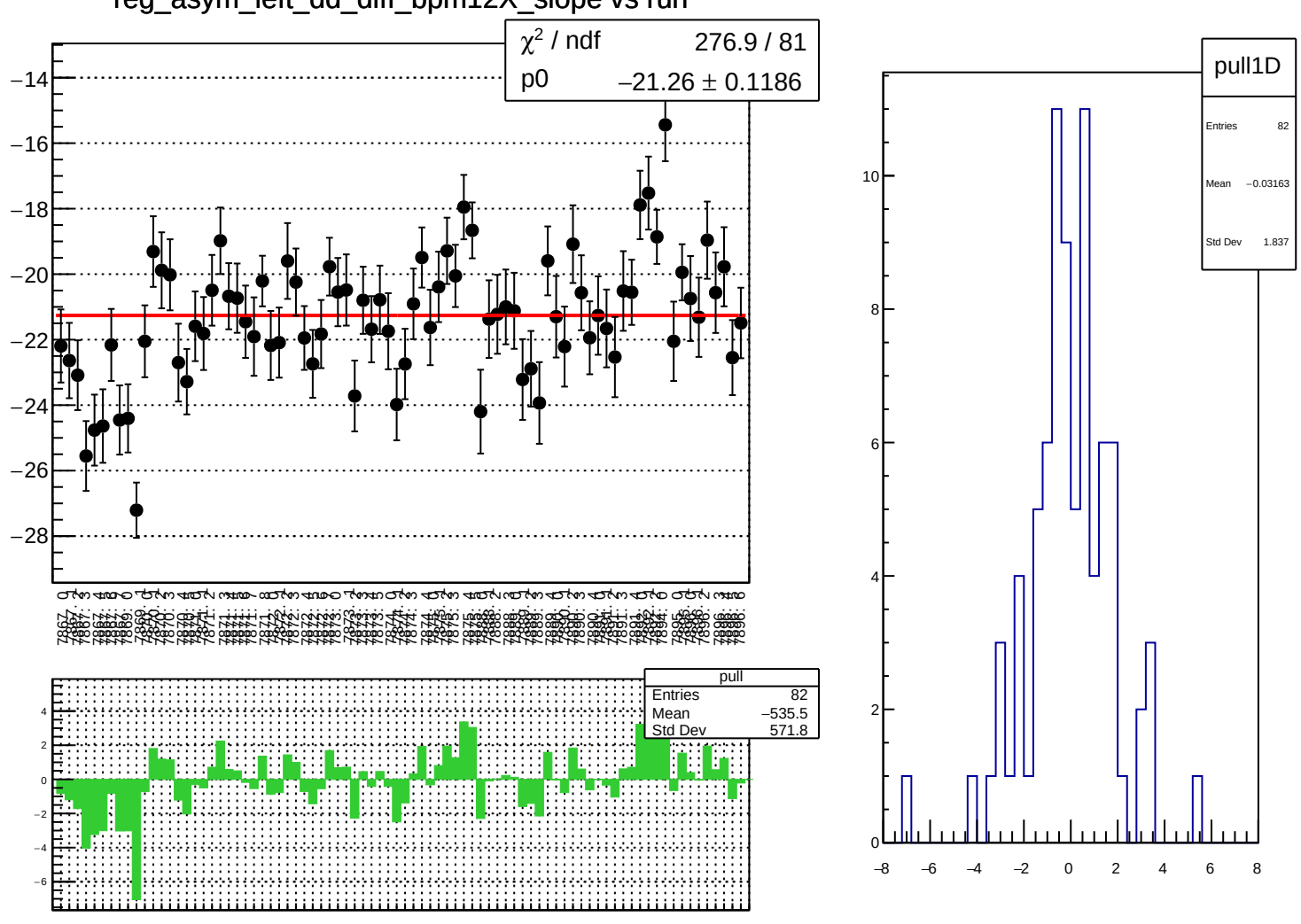

pull1D
Entries 82
Mean 0.01523
Std Dev 0.9149

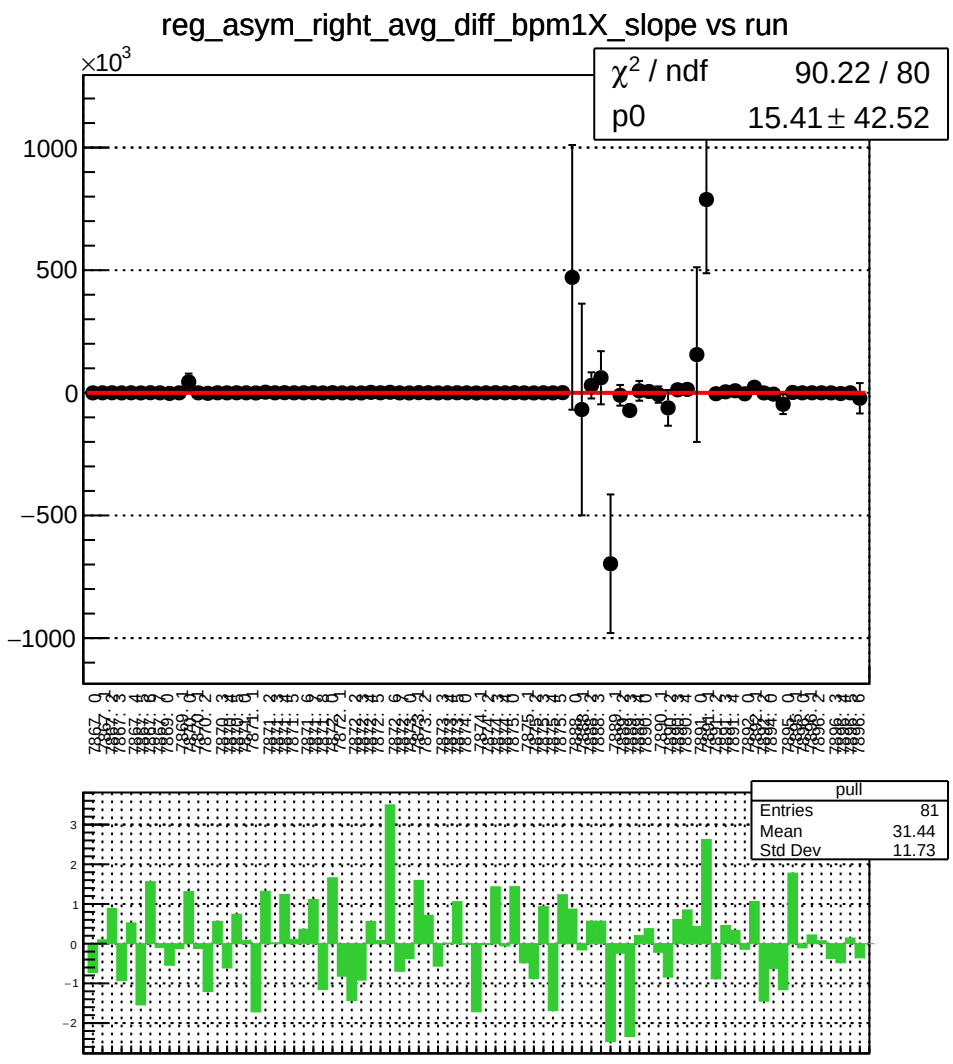

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.03 / 81
p0 −1.226 ± 2.416
100
50
0
−50
−100
pull
Entries 82
Mean −217.9
Std Dev 254
3
2
1
0
−1
−2

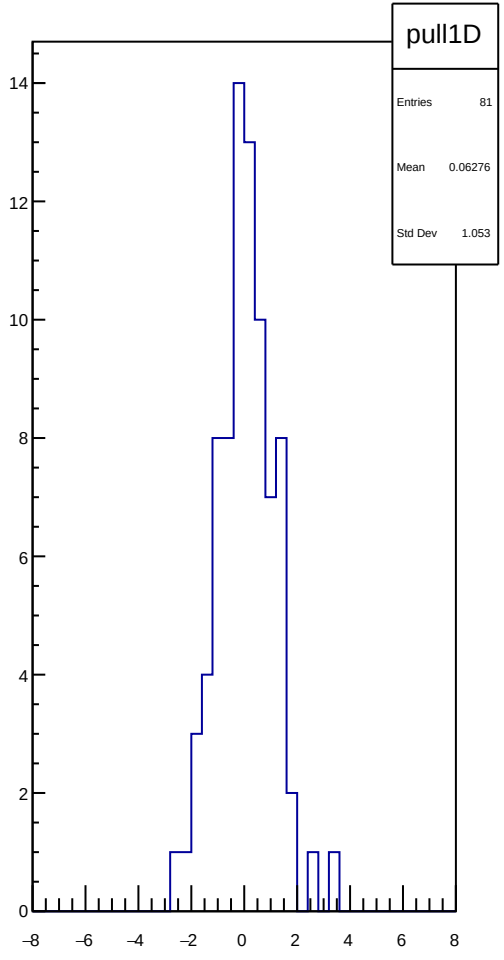

pull1D
Entries 82
Mean 0.02398
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

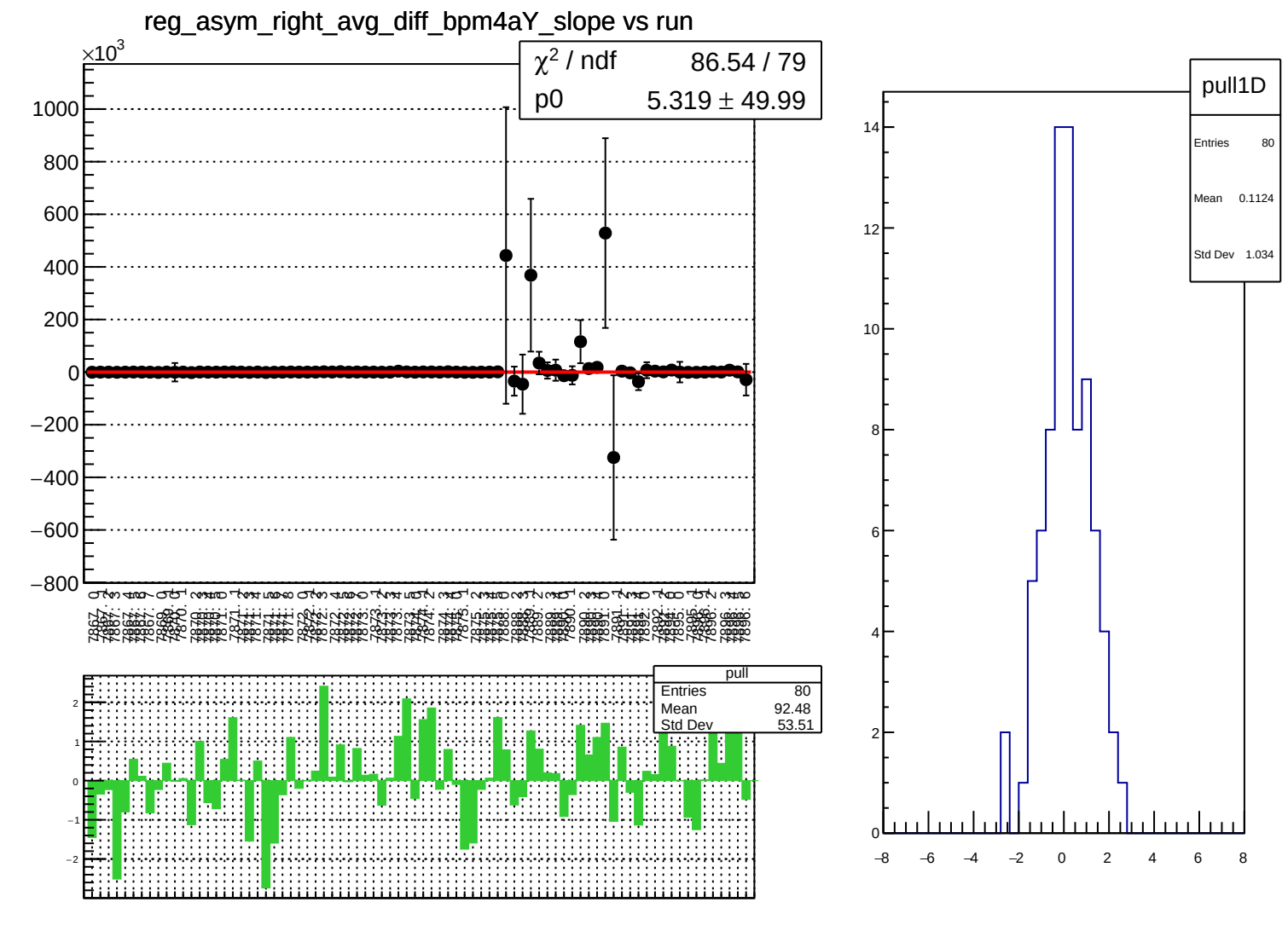

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.26 / 81
p0 1.519 ± 3.784
100
50
0
−50
−100
pull
Entries 82
Mean 136.2
Std Dev 72.69
2
1.5
1
0.5
0
−0.5
−1
−1.5

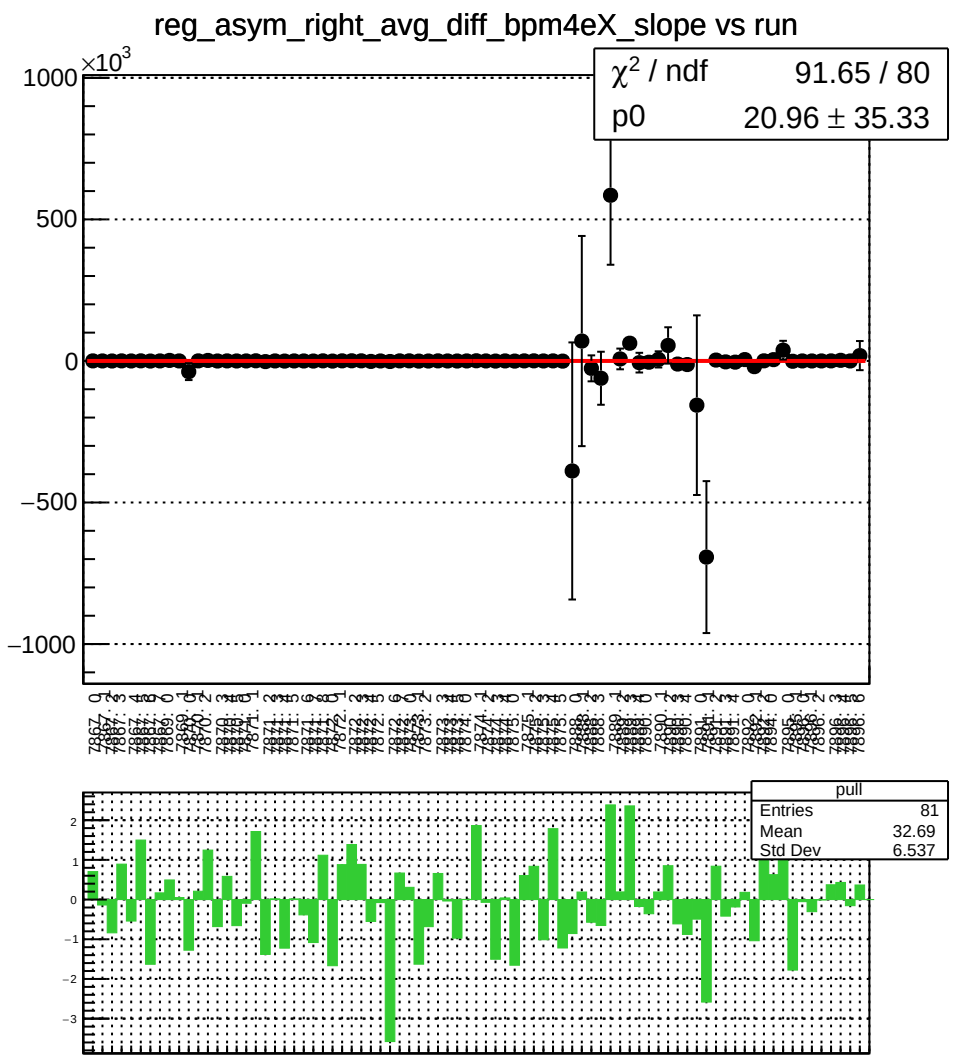

pull1D
Entries 82
Mean −0.01082
Std Dev 0.9123
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

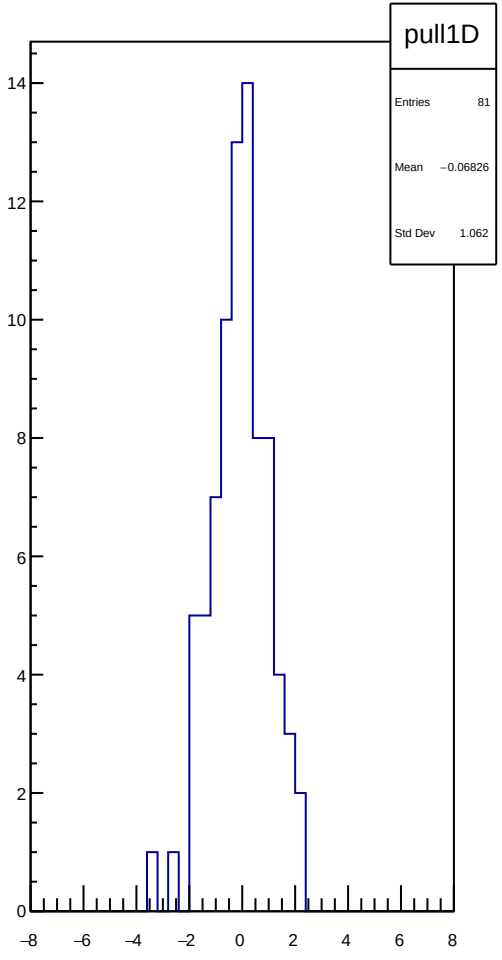

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 276.9 / 81
p0 −21.26 ± 0.1186
pull
Entries 82
Mean −535.5
Std Dev 571.8
pull1D
Entries 82
Mean −0.03163
Std Dev 1.837

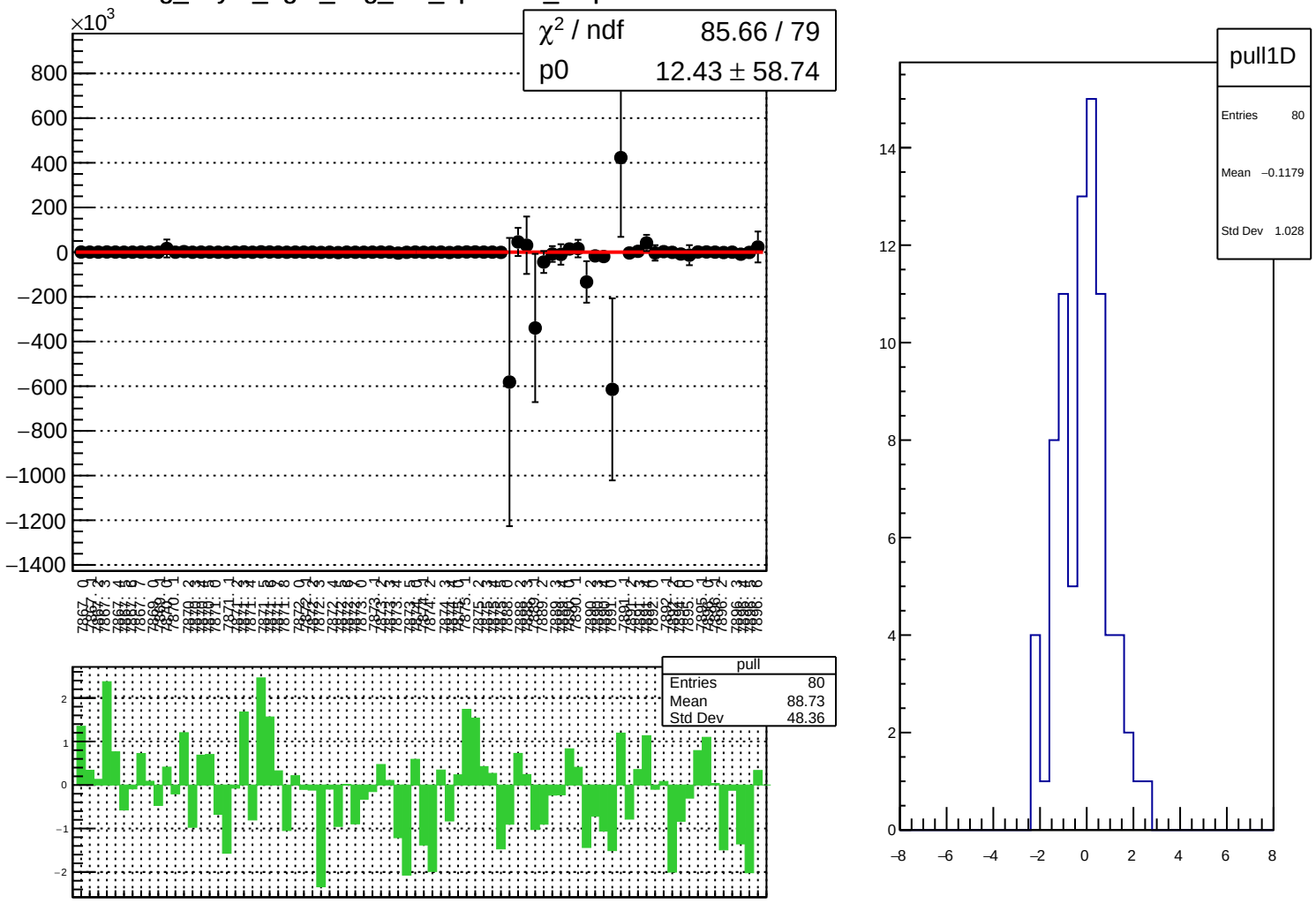

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 90.22 / 80
p0 15.41 ± 42.52
1000
500
0
−500
−1000
pull
Entries 81
Mean 31.44
Std Dev 11.73
3
2
1
0
−1
−2

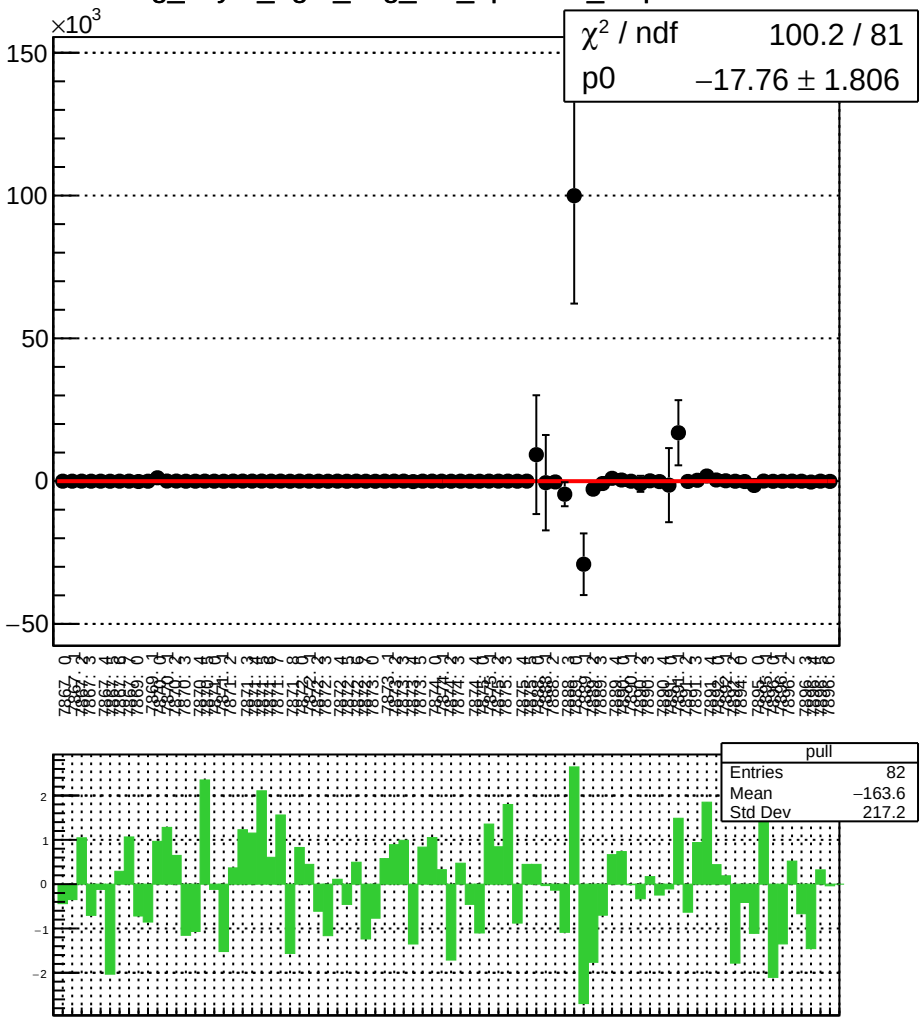

pull1D
Entries 81
Mean 0.06276
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

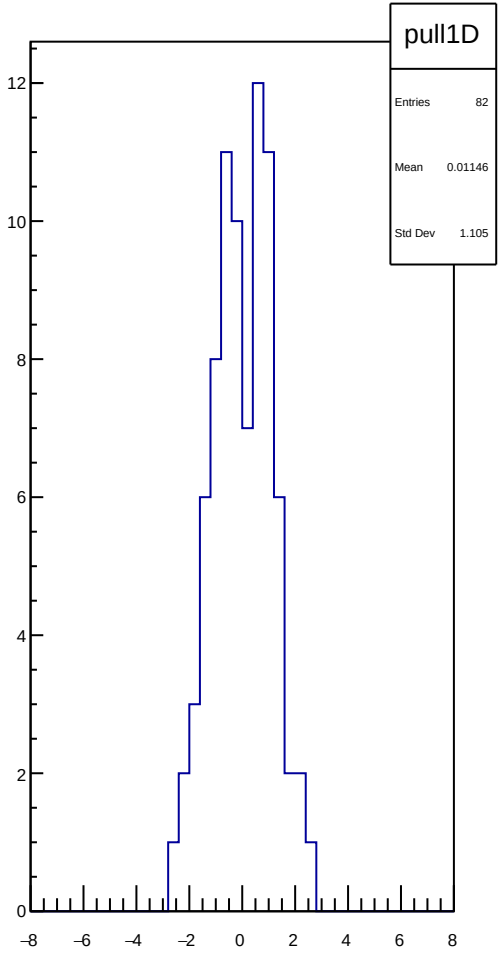

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.54 / 79
p0 5.319 ± 49.99
×10³
pull
Entries 80
Mean 92.48
Std Dev 53.51
pull1D
Entries 80
Mean 0.1124
Std Dev 1.034

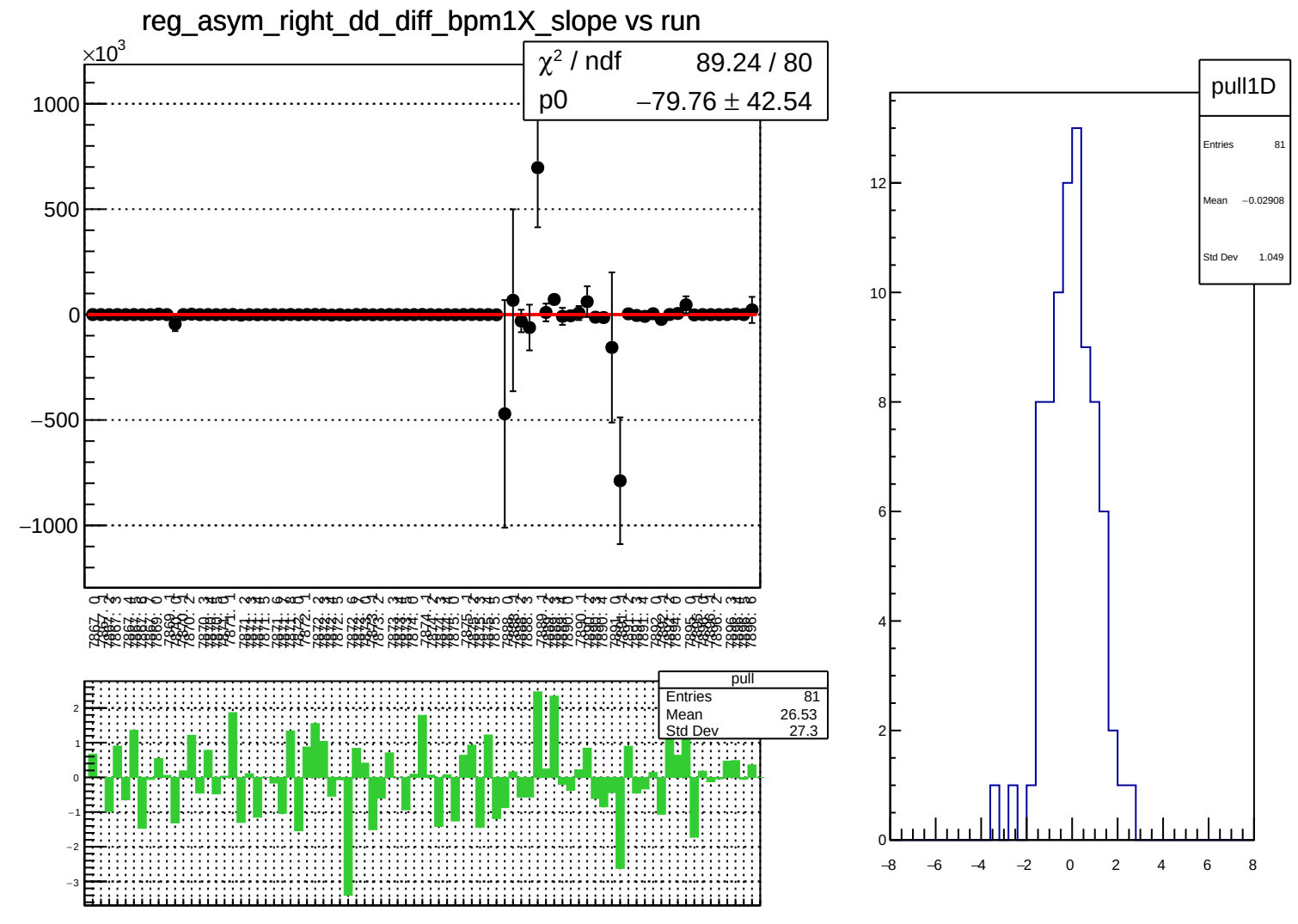

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
1000
500
0
−500
−1000
χ^2 / ndf 91.65 / 80
p0 20.96 ± 35.33
pull
Entries 81
Mean 32.69
Std Dev 6.537
2
1
0
−1
−2
−3

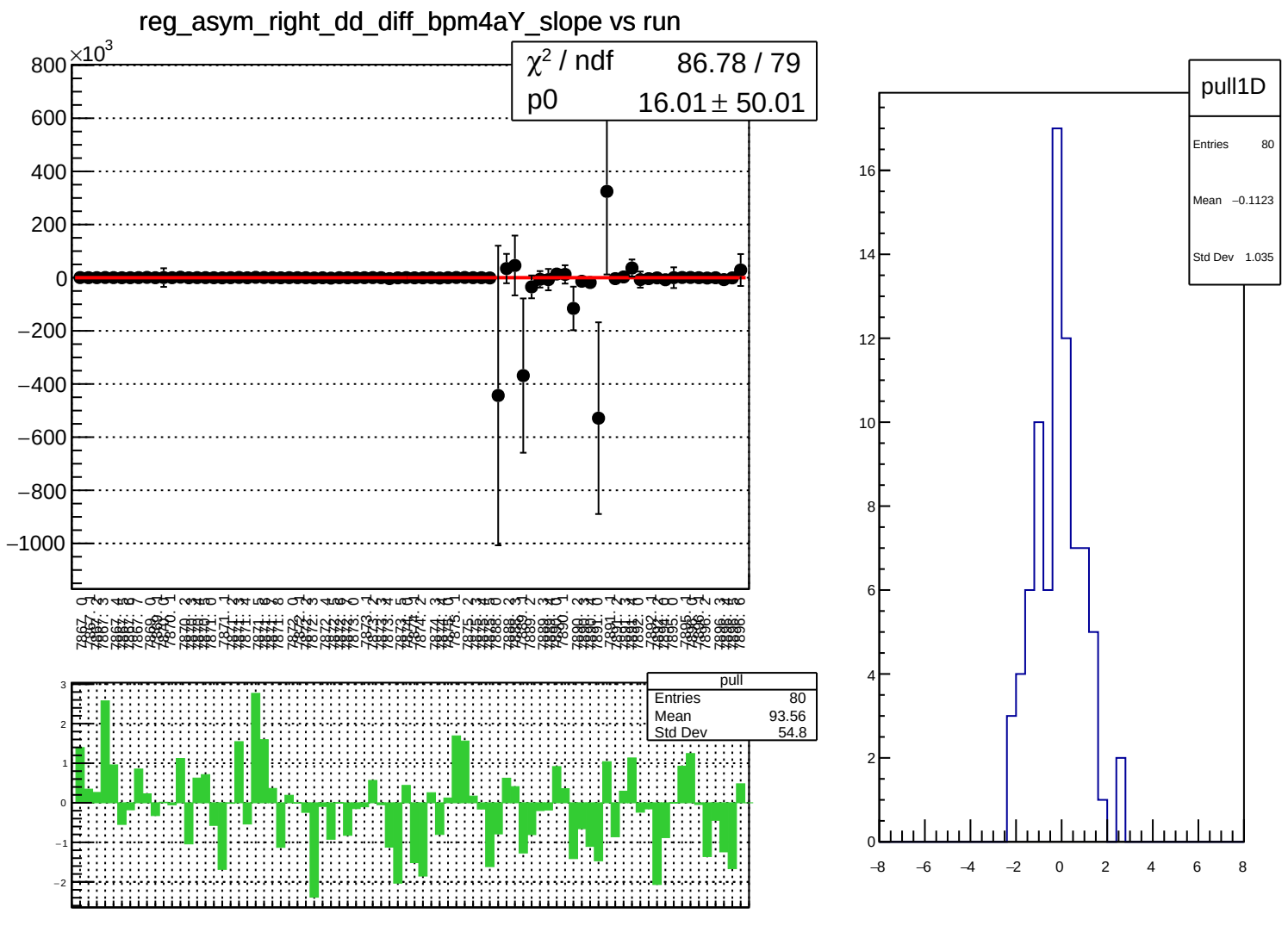

pull1D
Entries 81
Mean −0.06826
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

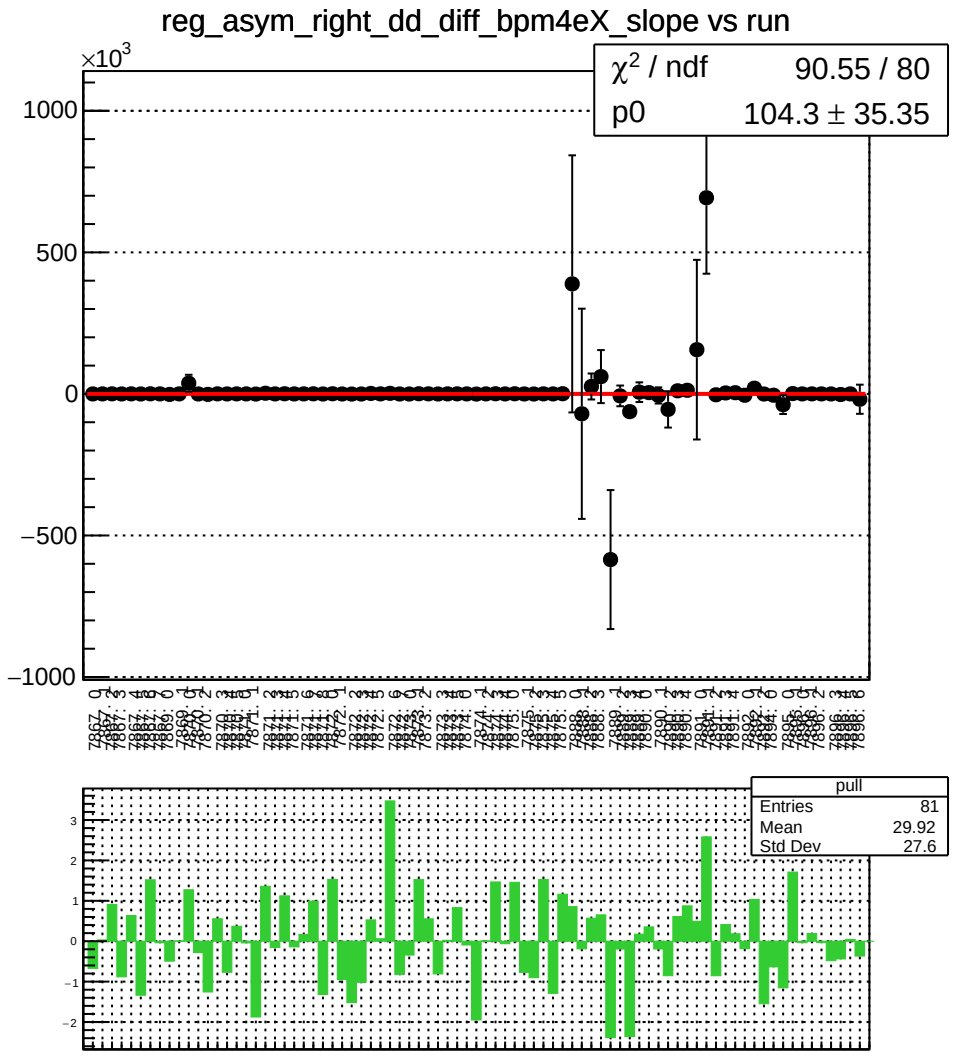

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 85.66 / 79
p0 12.43 ± 58.74
×10³
pull
Entries 80
Mean 88.73
Std Dev 48.36
pull1D
Entries 80
Mean −0.1179
Std Dev 1.028

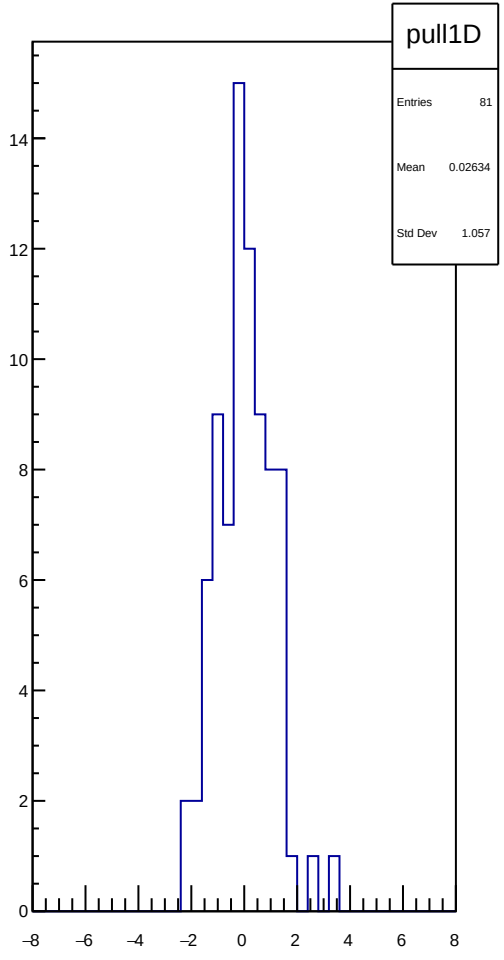

reg_asym_right_avg_diff_bpm12X_slope vs run
×10^3
χ² / ndf 100.2 / 81
p0 −17.76 ± 1.806
150
100
50
0
−50
pull
Entries 82
Mean −163.6
Std Dev 217.2
2
1
0
−1
−2

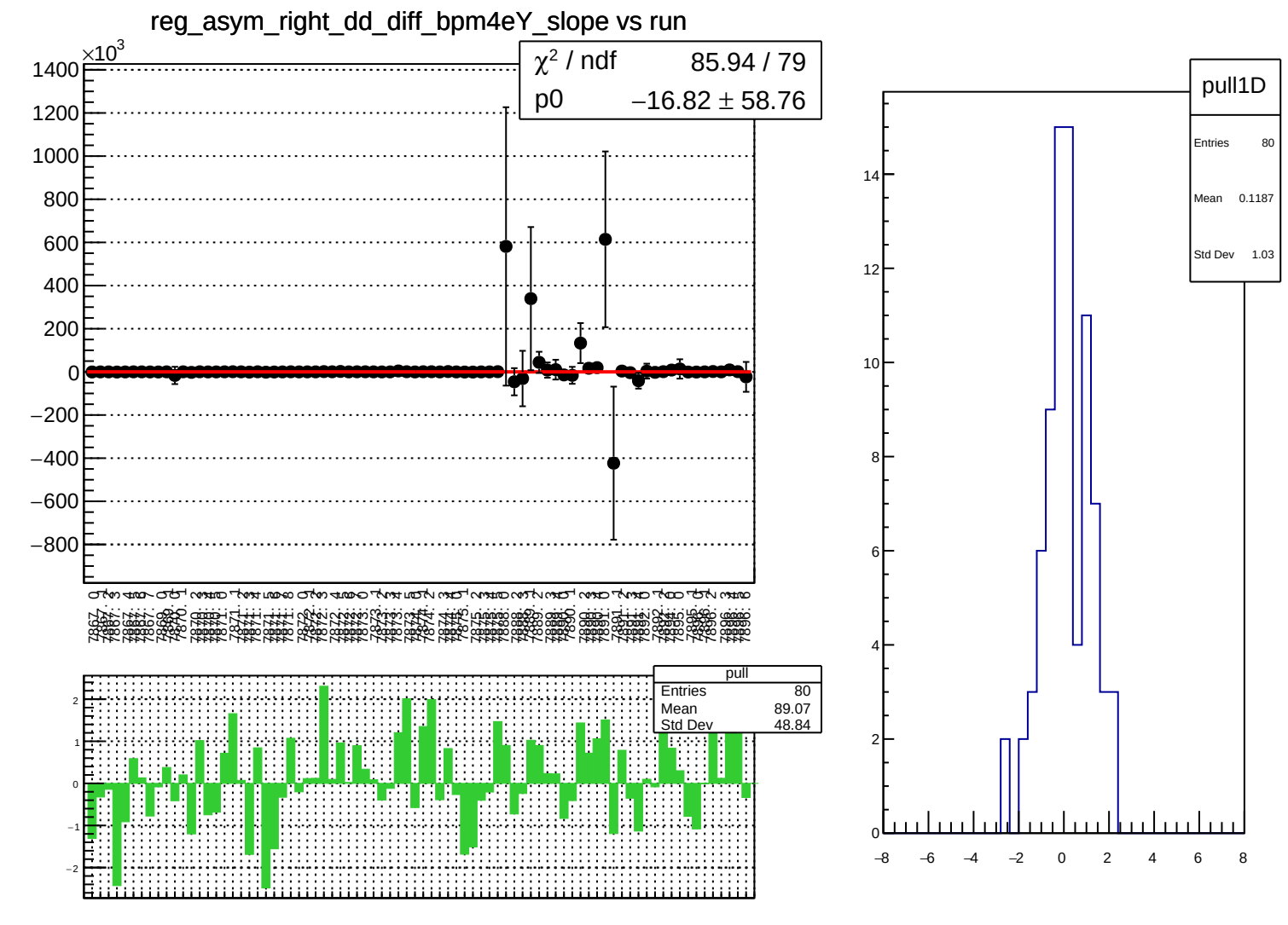

pull1D
Entries 82
Mean 0.01146
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

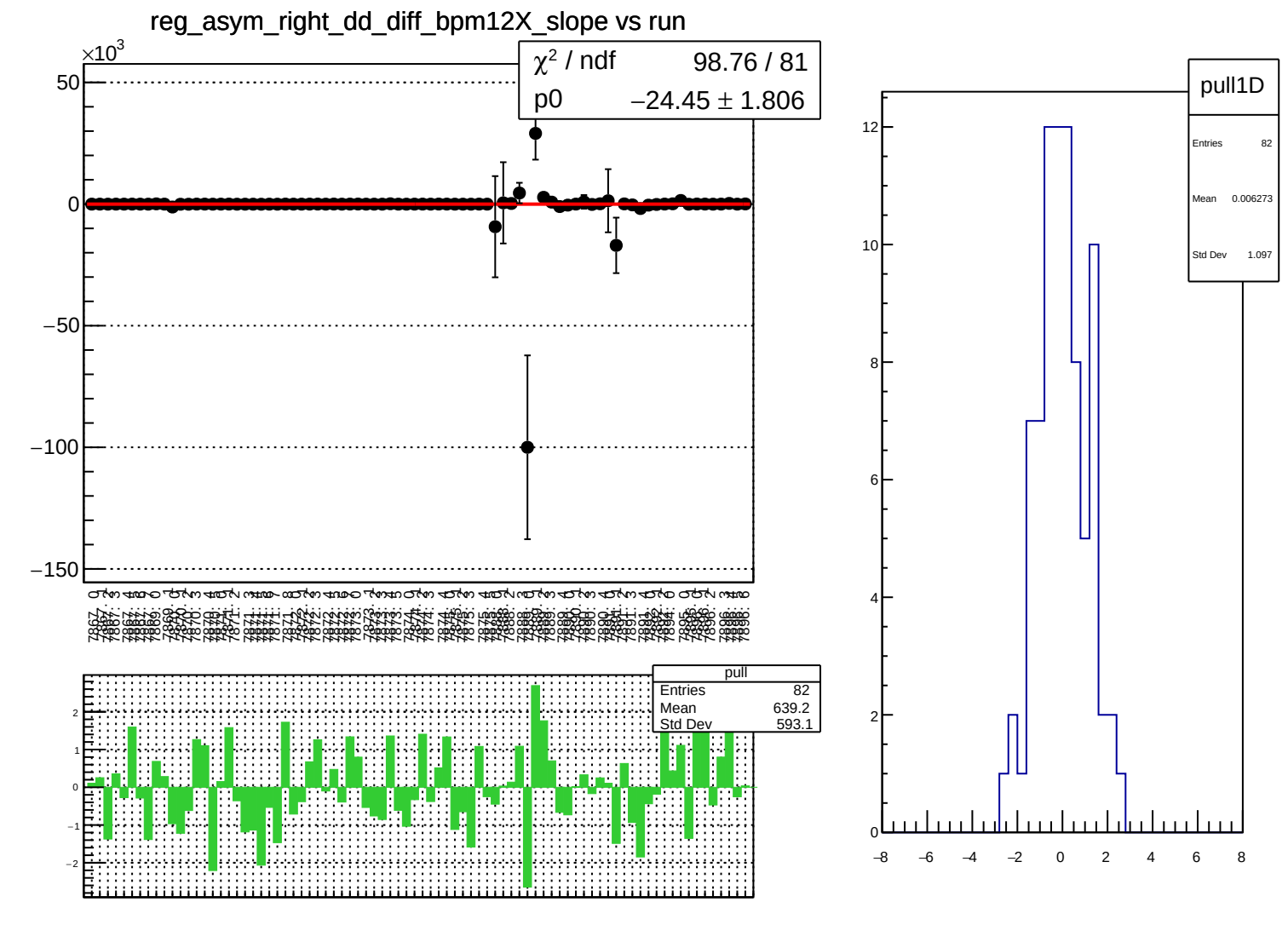

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 89.24 / 80
p0 −79.76 ± 42.54
1000
500
0
−500
−1000
pull
Entries 81
Mean 26.53
Std Dev 27.3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.02908
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

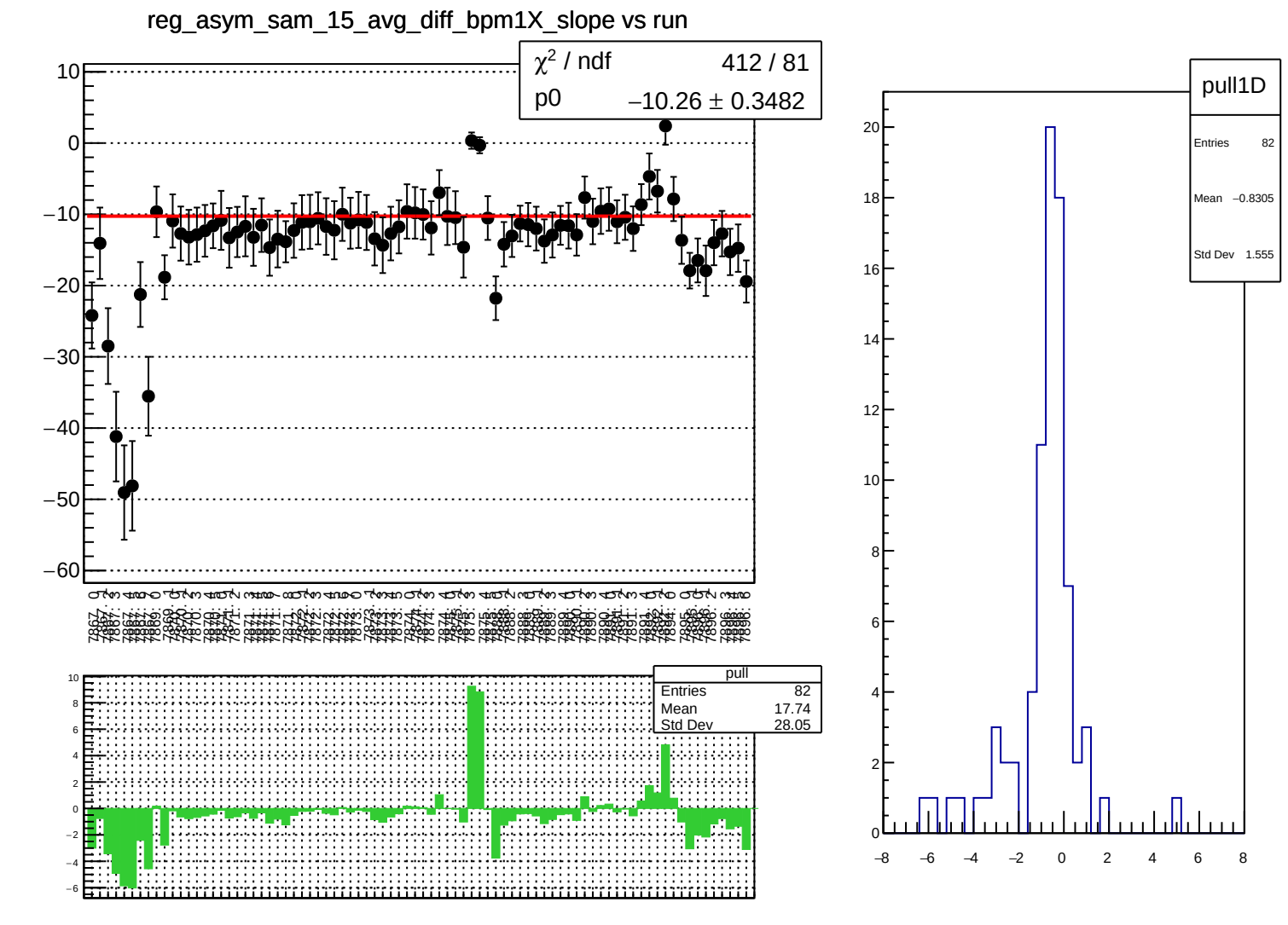

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.78 / 79
p0 16.01 ± 50.01
pull
Entries 80
Mean 93.56
Std Dev 54.8
pull1D
Entries 80
Mean −0.1123
Std Dev 1.035

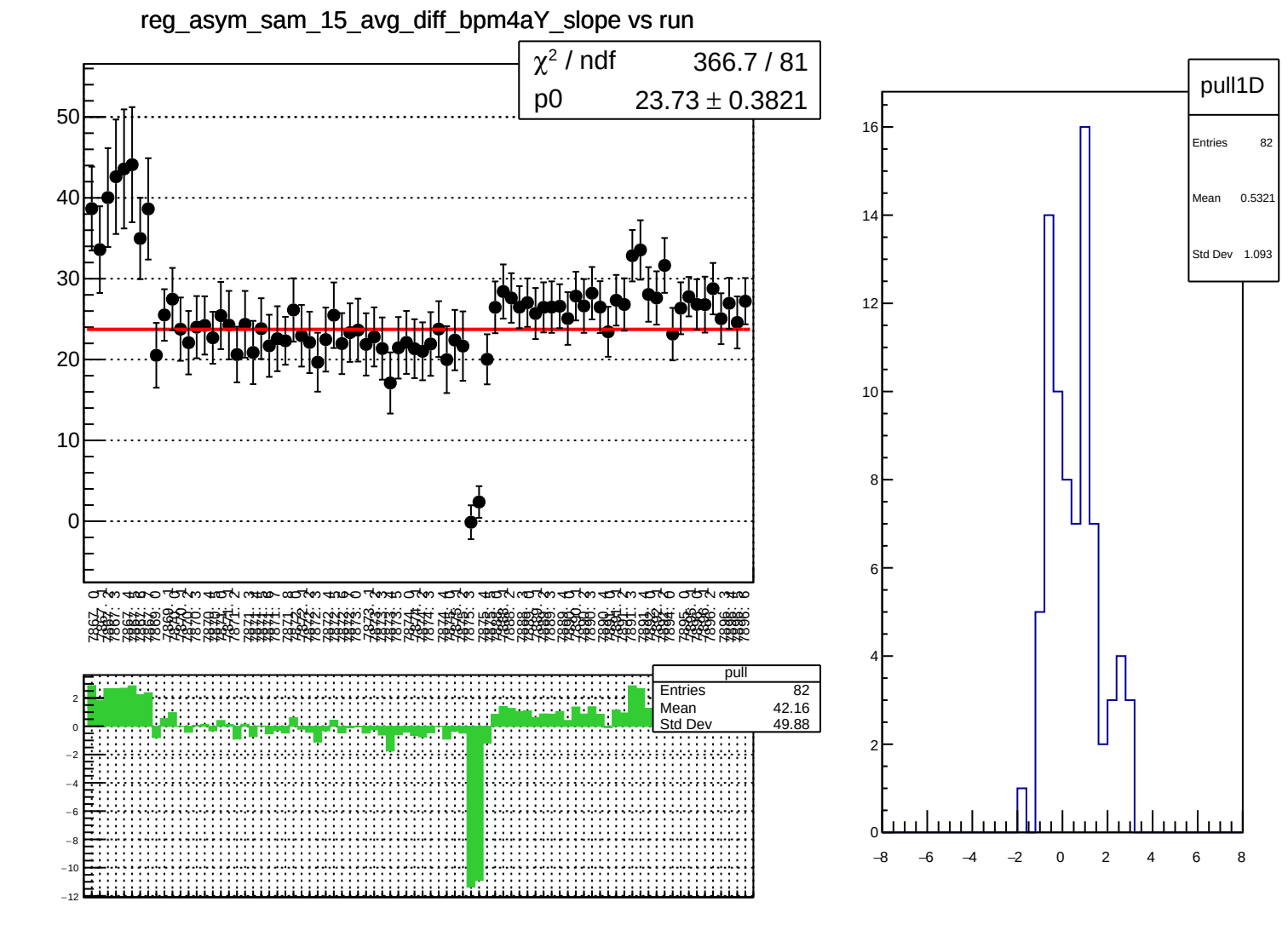

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 90.55 / 80
p0 104.3 ± 35.35
1000
500
0
−500
−1000
pull
Entries 81
Mean 29.92
Std Dev 27.6
3
2
1
0
−1
−2

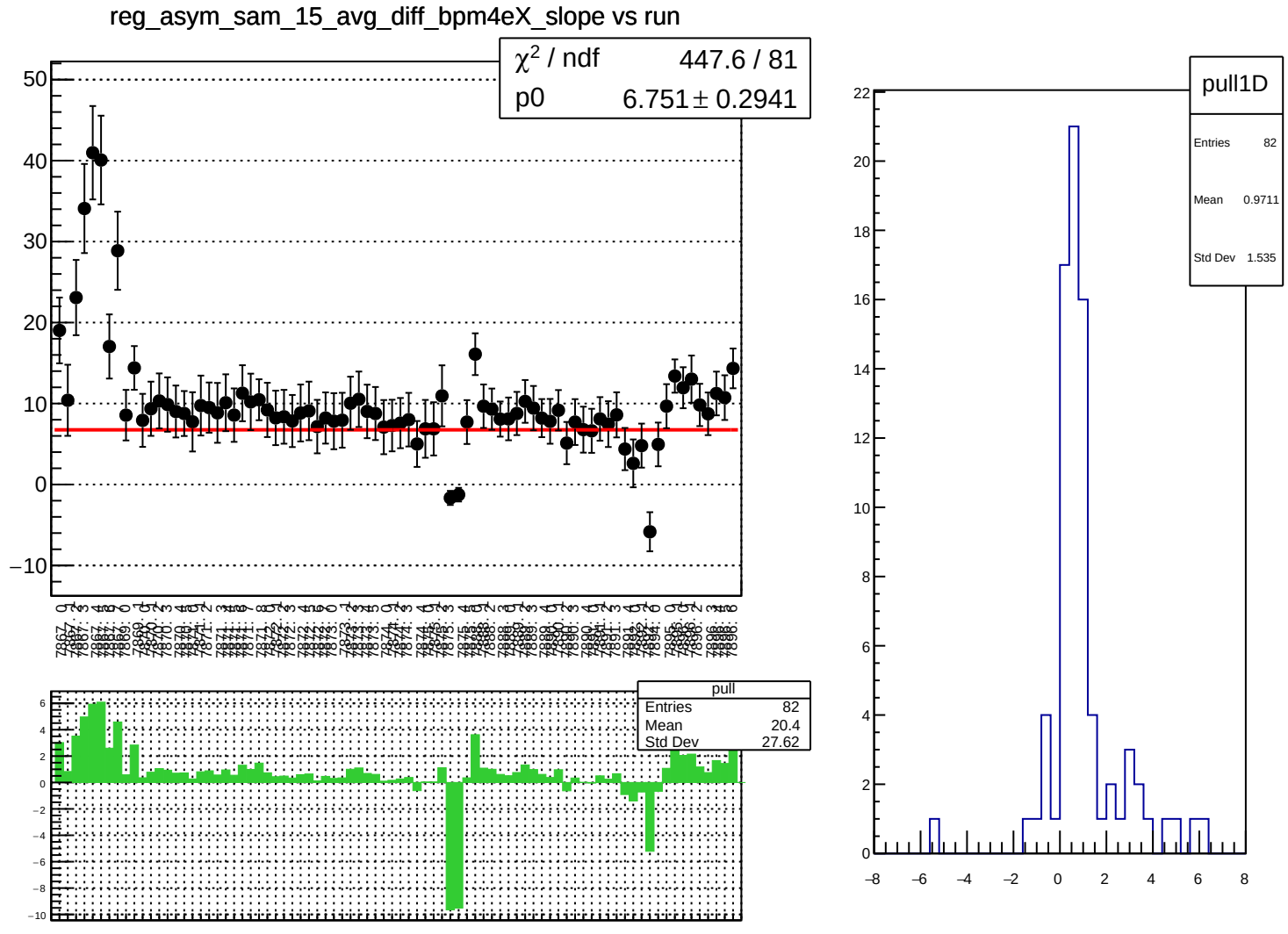

pull1D
Entries 81
Mean 0.02634
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

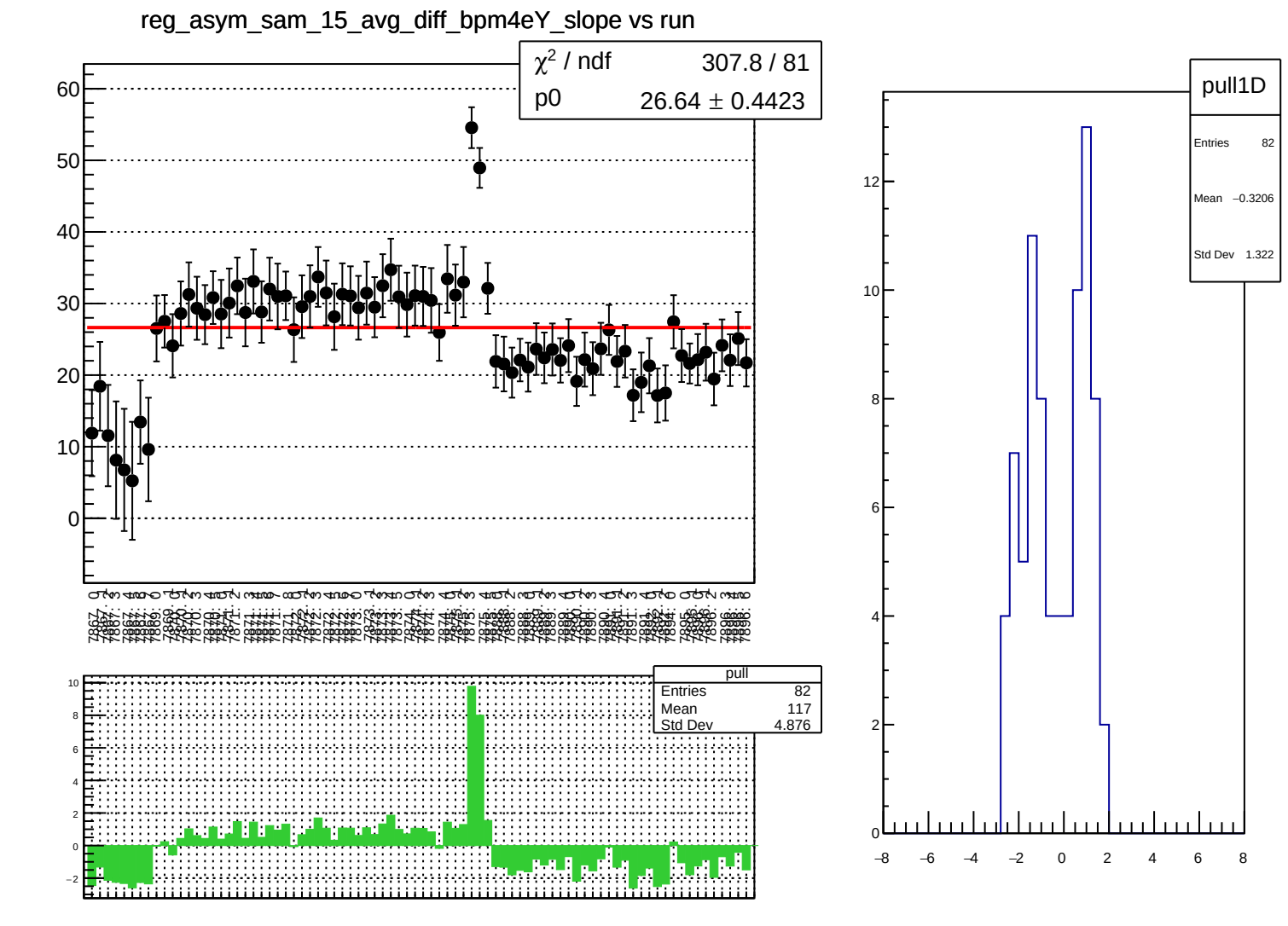

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.94 / 79
p0 −16.82 ± 58.76
pull
Entries 80
Mean 89.07
Std Dev 48.84
pull1D
Entries 80
Mean 0.1187
Std Dev 1.03

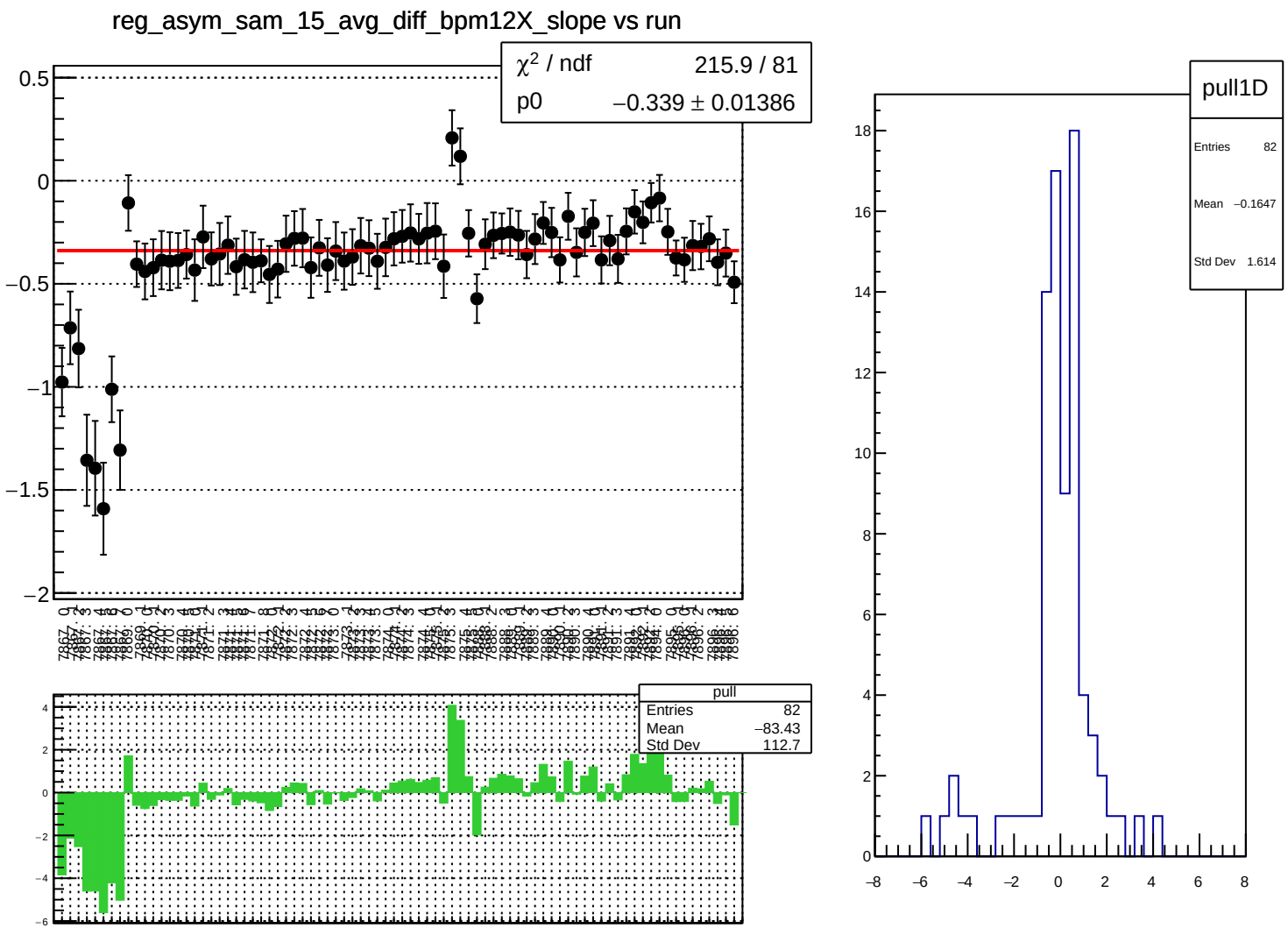

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 98.76 / 81
p0 −24.45 ± 1.806
pull
Entries 82
Mean 639.2
Std Dev 593.1
pull1D
Entries 82
Mean 0.006273
Std Dev 1.097

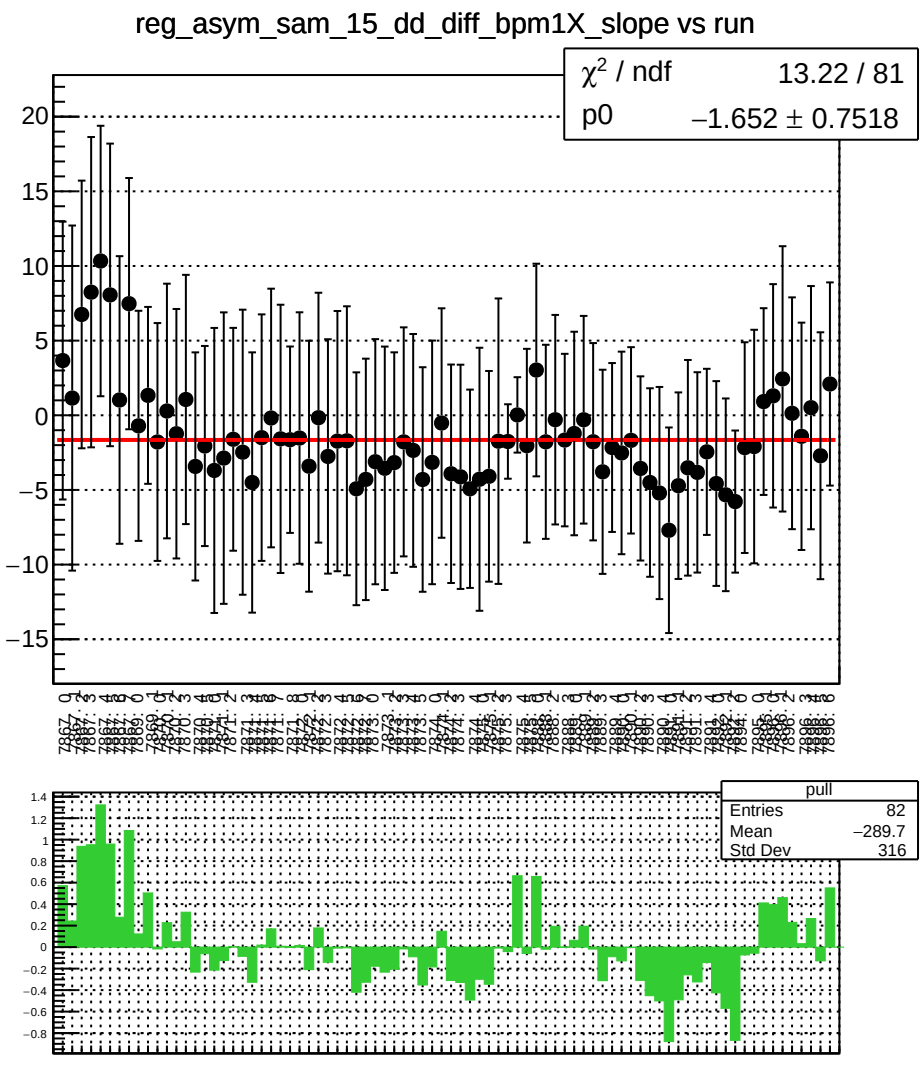

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 412 / 81
p0 −10.26 ± 0.3482
pull
Entries 82
Mean 17.74
Std Dev 28.05
pull1D
Entries 82
Mean −0.8305
Std Dev 1.555

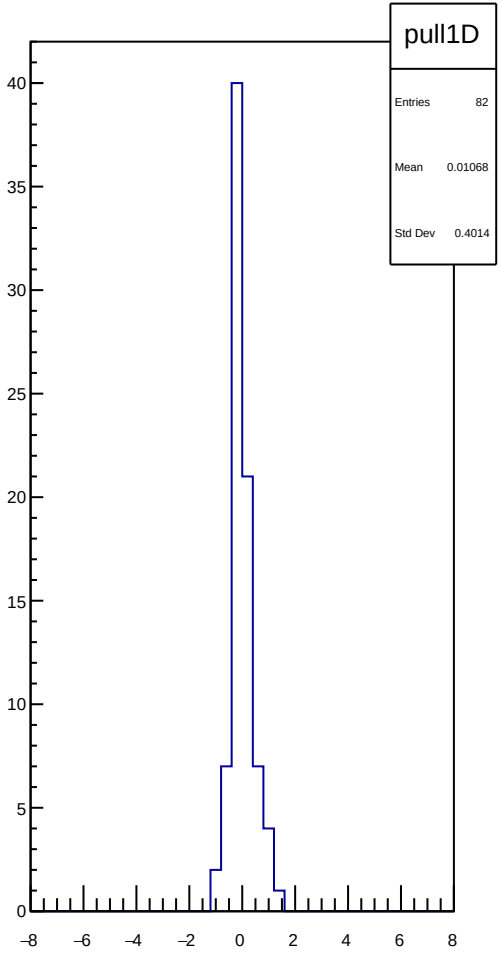

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 366.7 / 81
p0 23.73 ± 0.3821
pull
Entries 82
Mean 42.16
Std Dev 49.88
pull1D
Entries 82
Mean 0.5321
Std Dev 1.093

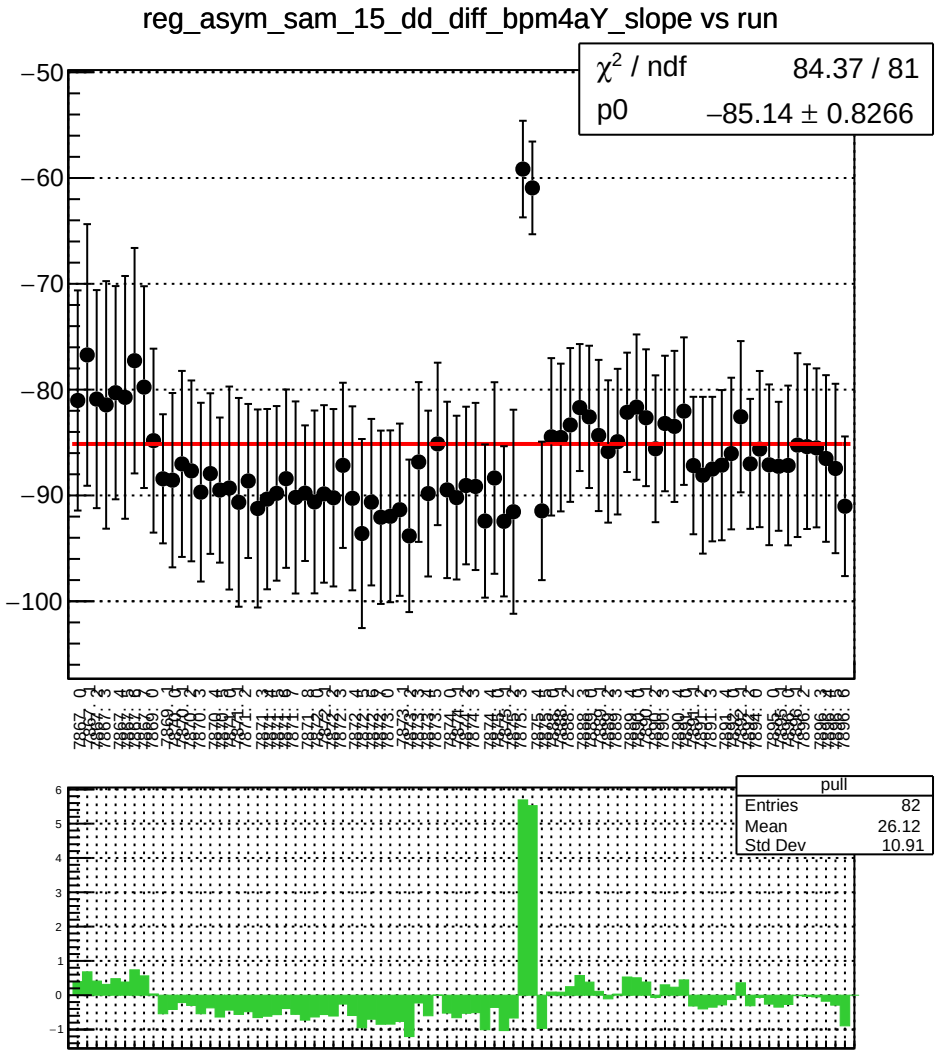

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 447.6 / 81
p0 6.751 ± 0.2941
pull
Entries 82
Mean 20.4
Std Dev 27.62
pull1D
Entries 82
Mean 0.9711
Std Dev 1.535

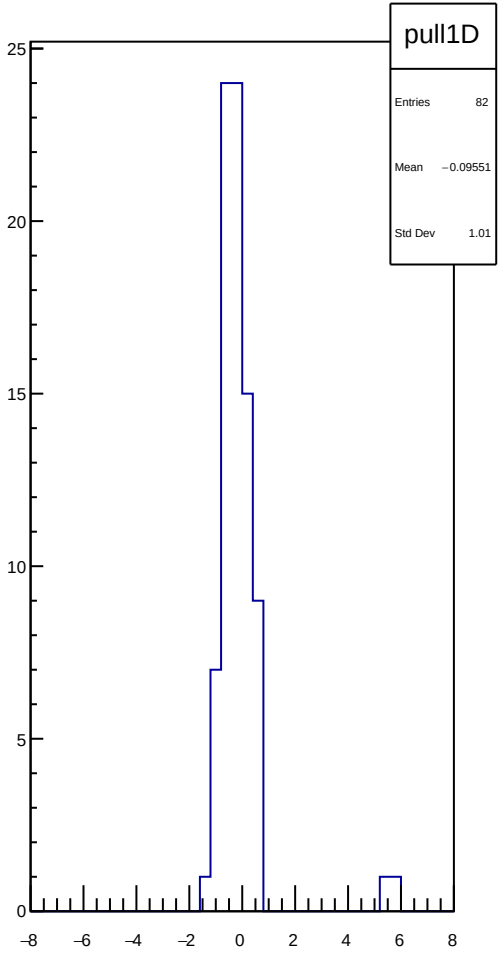

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 307.8 / 81
p0 26.64 ± 0.4423
pull
Entries 82
Mean 117
Std Dev 4.876
pull1D
Entries 82
Mean −0.3206
Std Dev 1.322

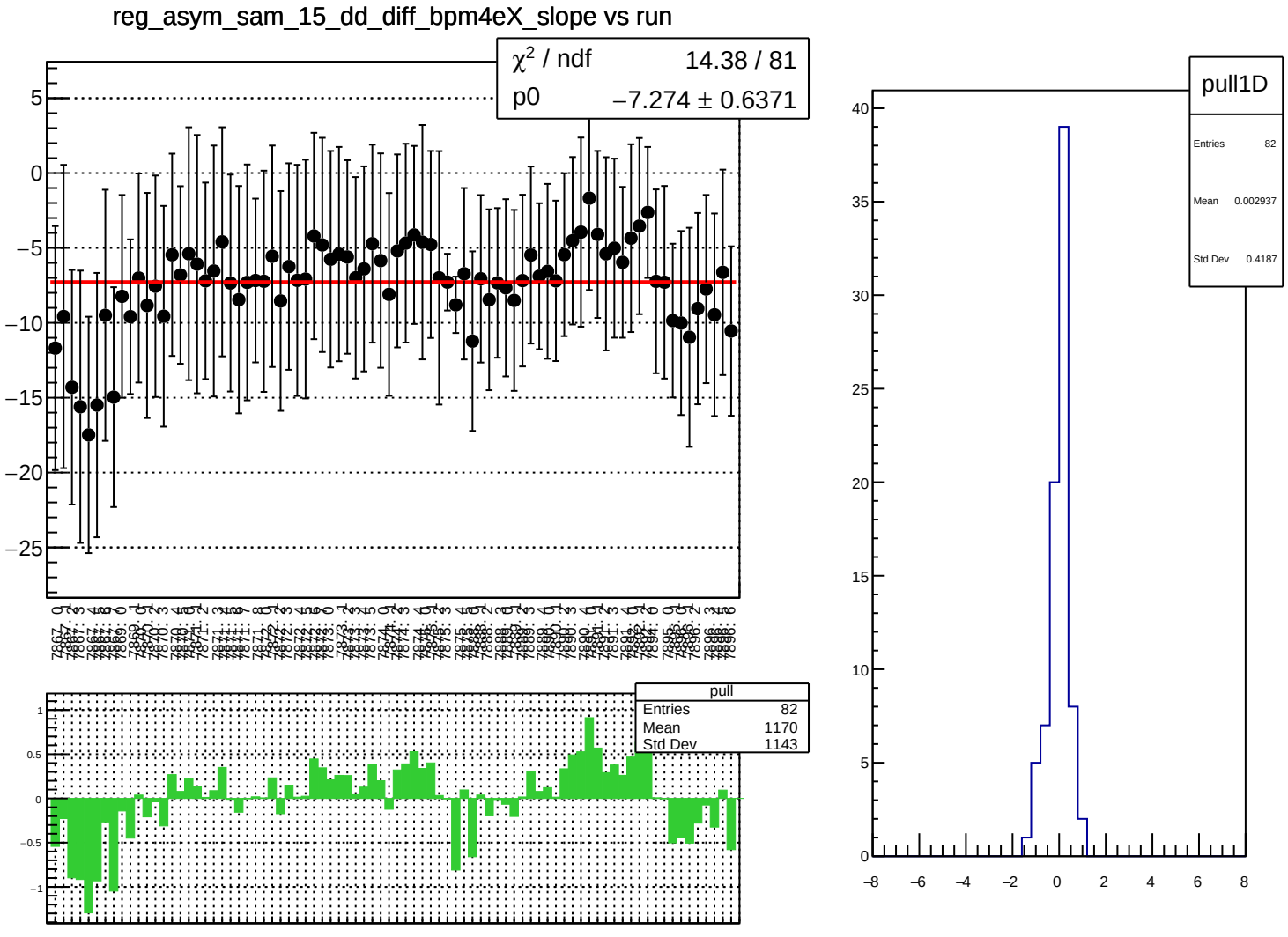

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 215.9 / 81
p0 −0.339 ± 0.01386
pull
Entries 82
Mean −83.43
Std Dev 112.7
pull1D
Entries 82
Mean −0.1647
Std Dev 1.614

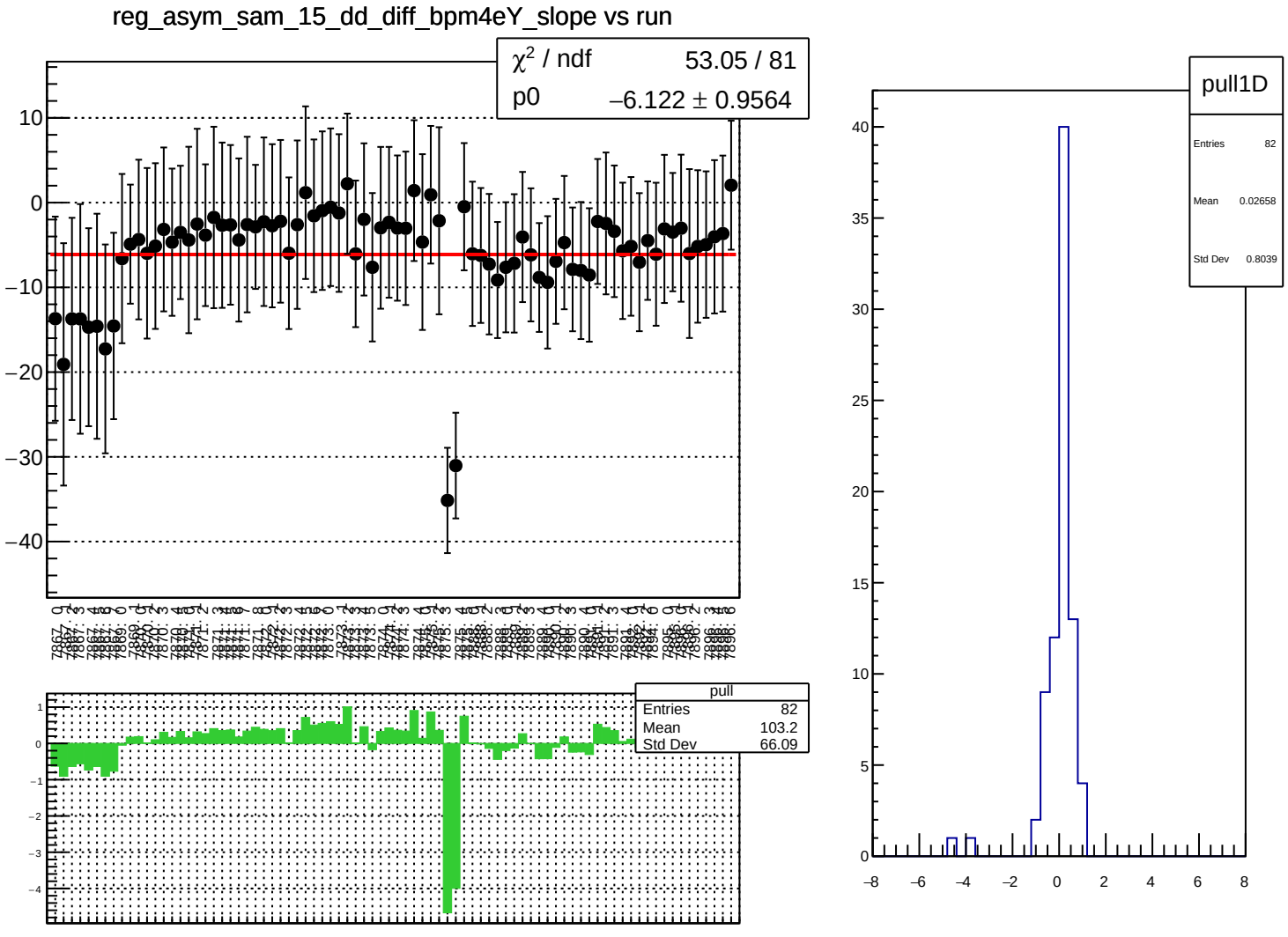

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 13.22 / 81
p0 −1.652 ± 0.7518
pull
Entries 82
Mean −289.7
Std Dev 316

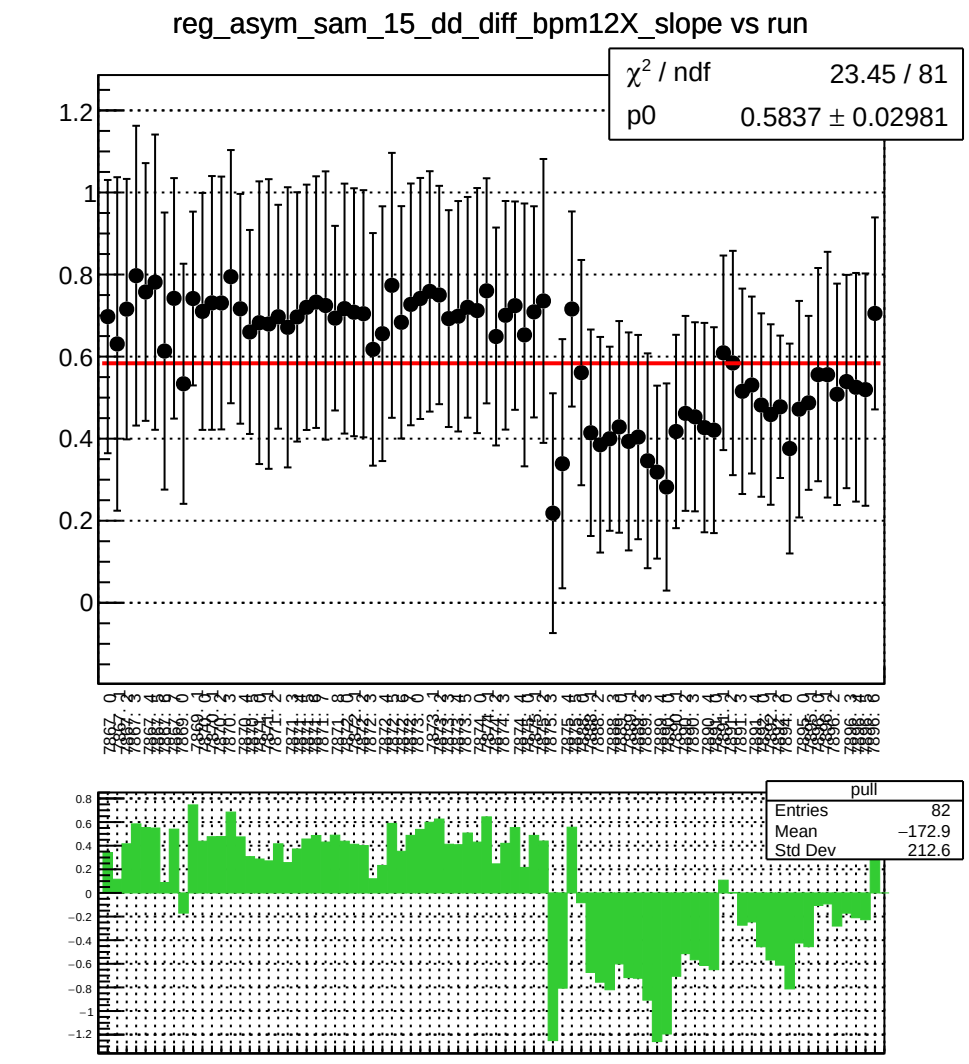

pull1D
Entries 82
Mean 0.01068
Std Dev 0.4014

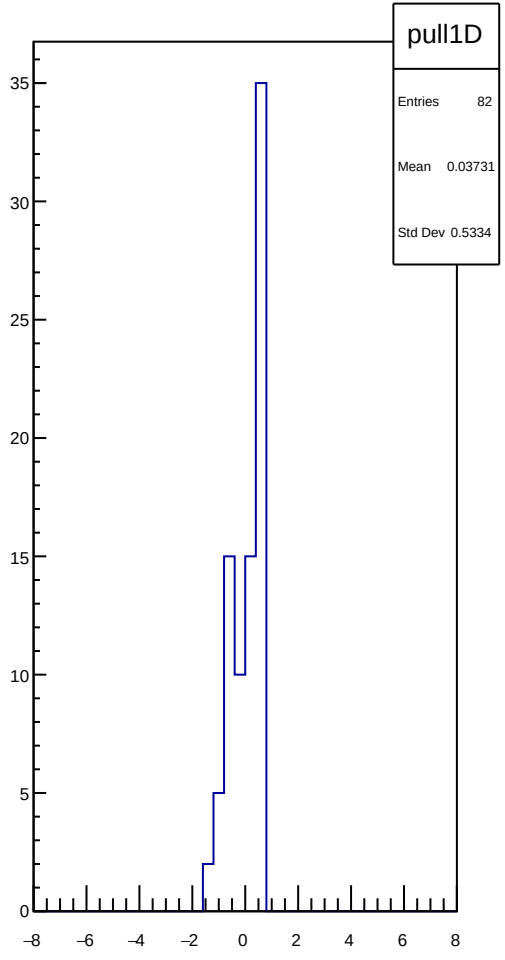

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.37 / 81
p0 −85.14 ± 0.8266
pull
Entries 82
Mean 26.12
Std Dev 10.91

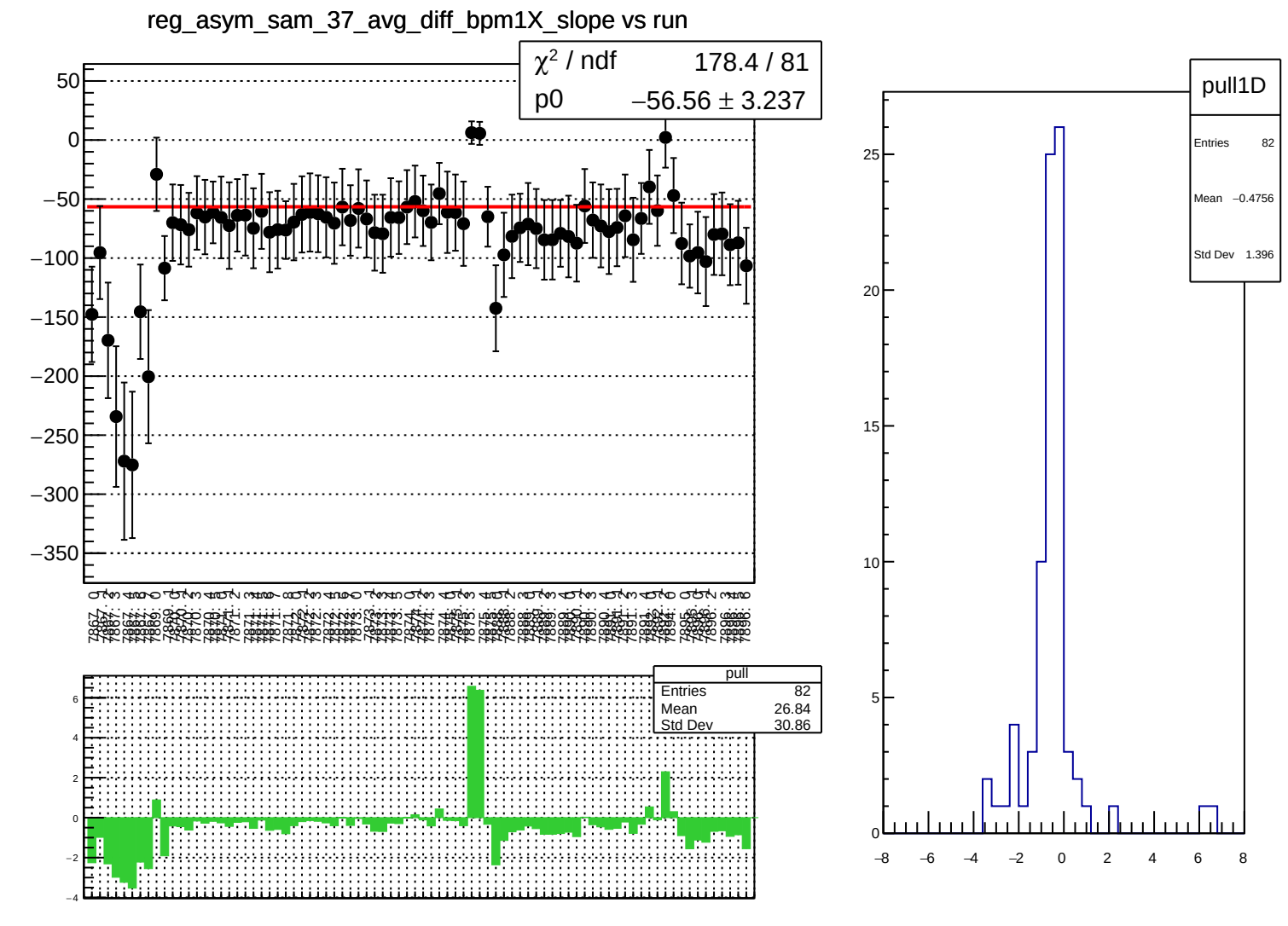

pull1D
Entries 82
Mean −0.09551
Std Dev 1.01

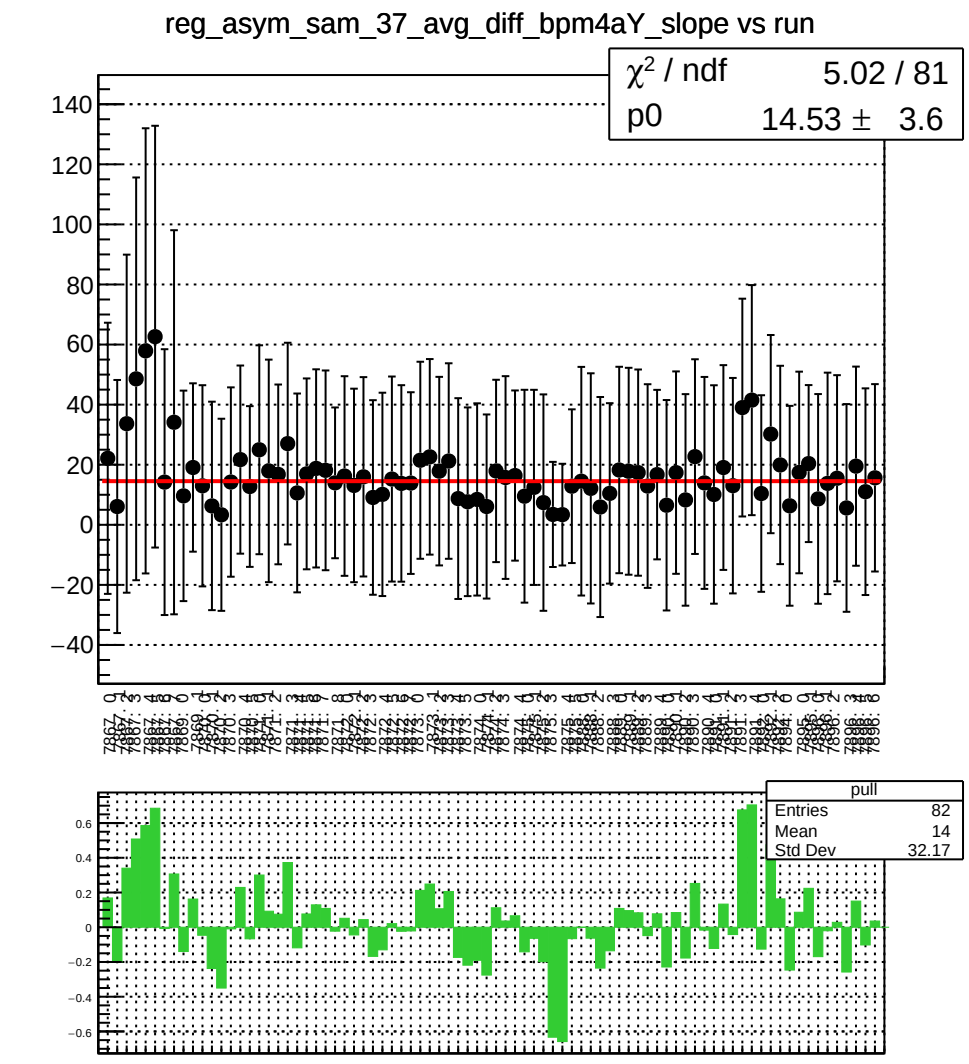

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.38 / 81
p0 −7.274 ± 0.6371
pull
Entries 82
Mean 1170
Std Dev 1143
pull1D
Entries 82
Mean 0.002937
Std Dev 0.4187

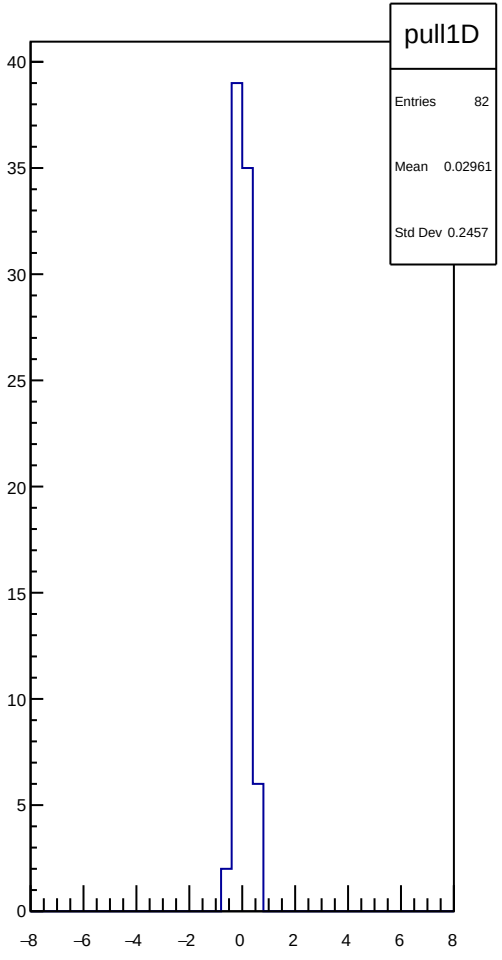

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.05 / 81
p0 −6.122 ± 0.9564
pull
Entries 82
Mean 103.2
Std Dev 66.09
pull1D
Entries 82
Mean 0.02658
Std Dev 0.8039

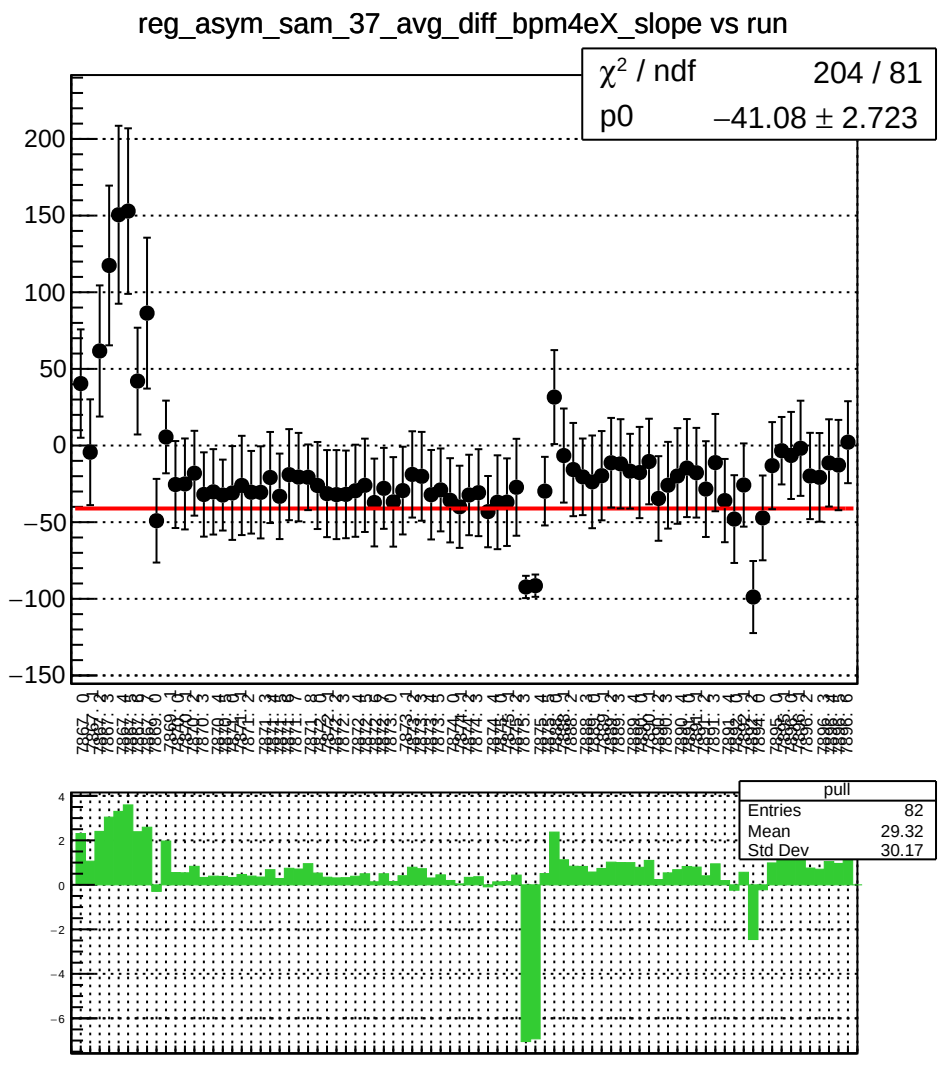

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 23.45 / 81
p0 0.5837 ± 0.02981
pull
Entries 82
Mean −172.9
Std Dev 212.6

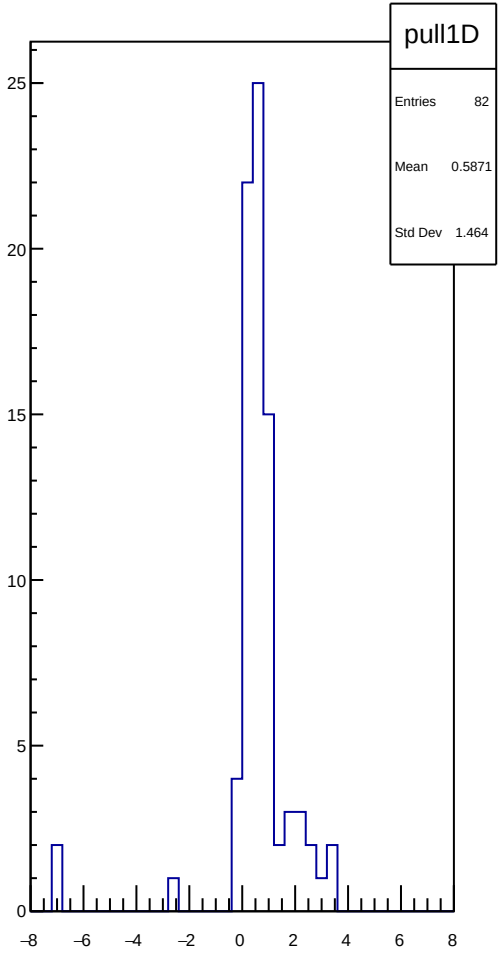

pull1D
Entries 82
Mean 0.03731
Std Dev 0.5334

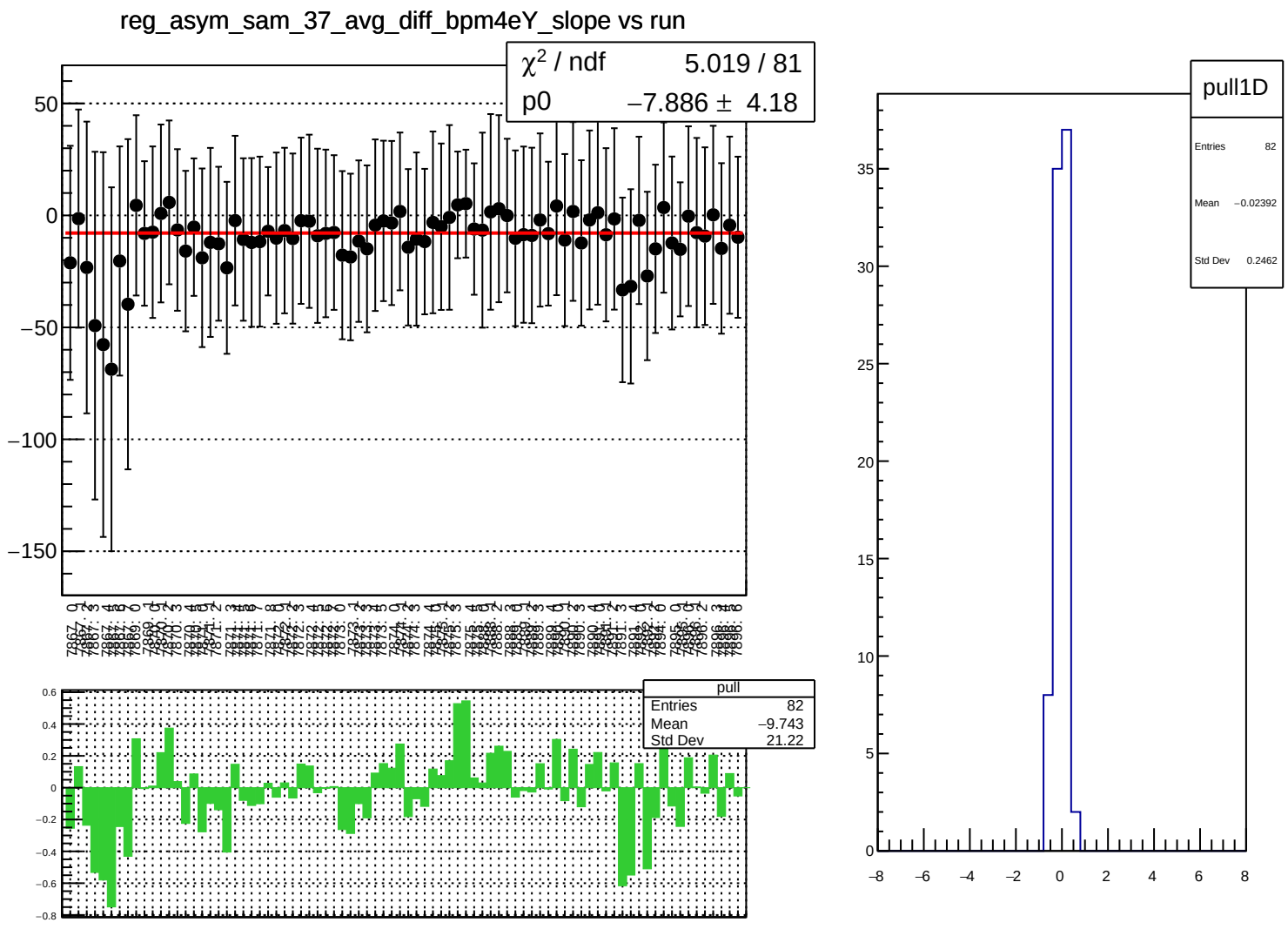

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 178.4 / 81
p0 −56.56 ± 3.237
pull
Entries 82
Mean 26.84
Std Dev 30.86
pull1D
Entries 82
Mean −0.4756
Std Dev 1.396

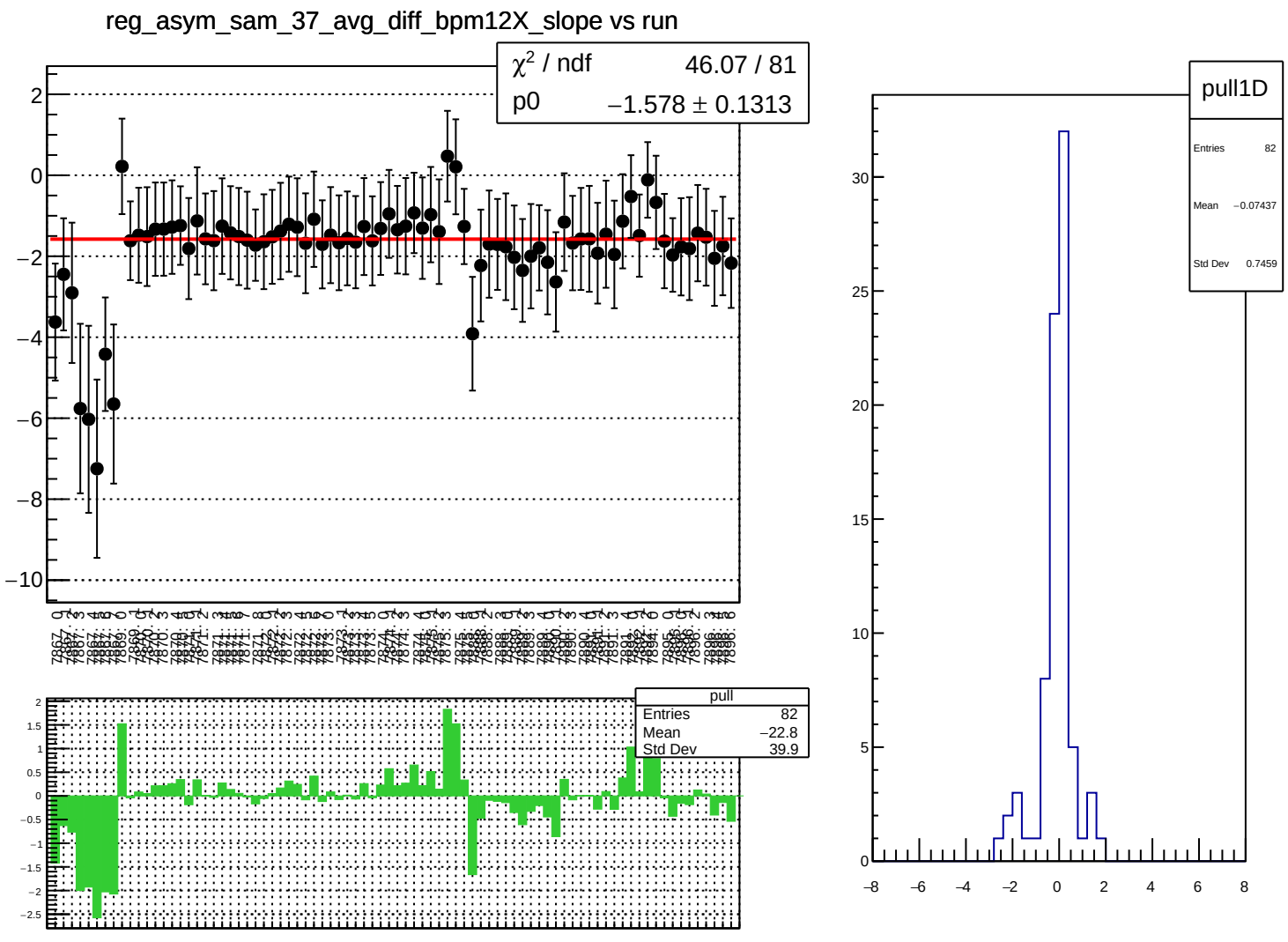

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.02 / 81
p0 14.53 ± 3.6
pull
Entries 82
Mean 14
Std Dev 32.17

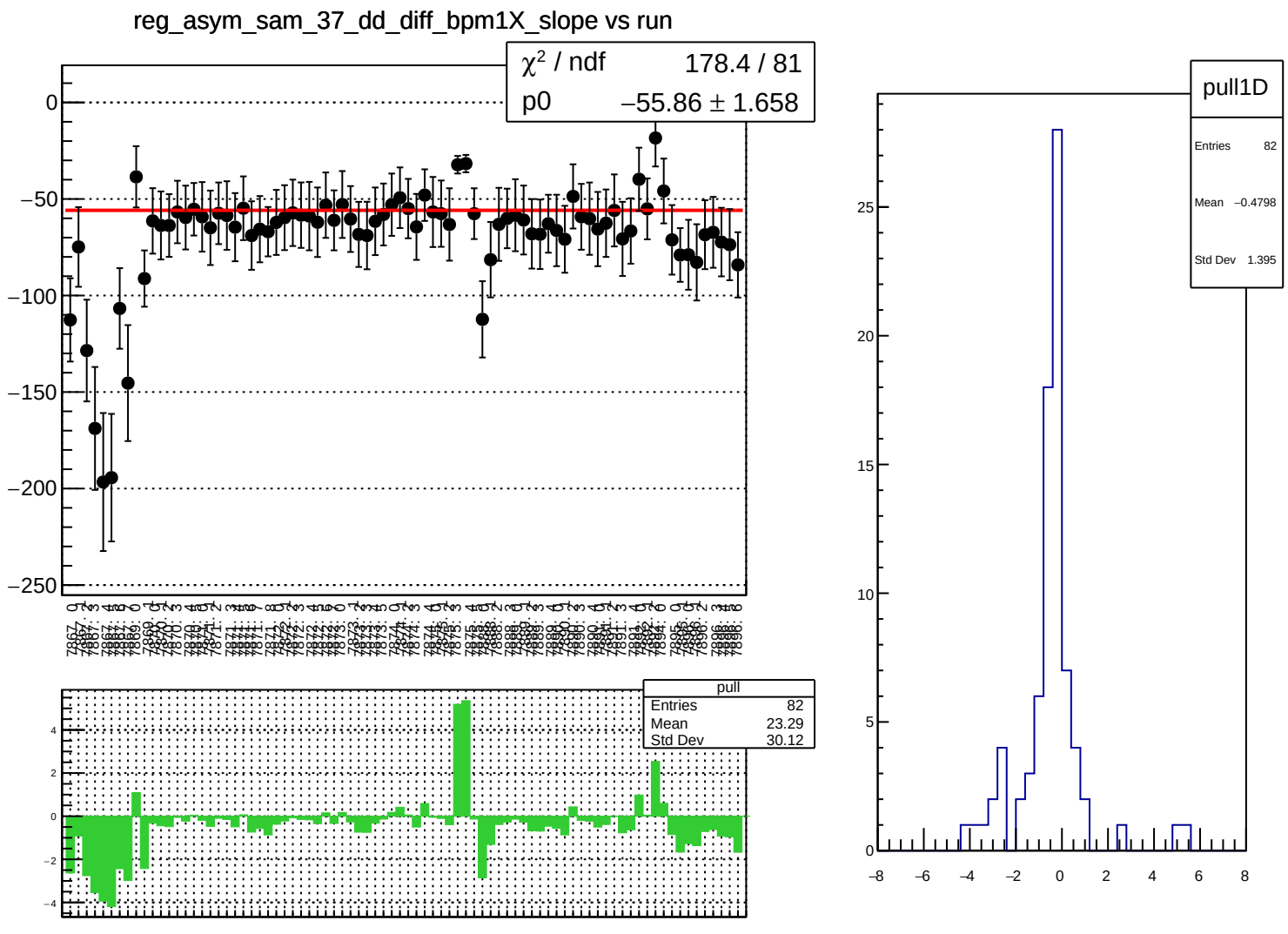

pull1D
Entries 82
Mean 0.02961
Std Dev 0.2457

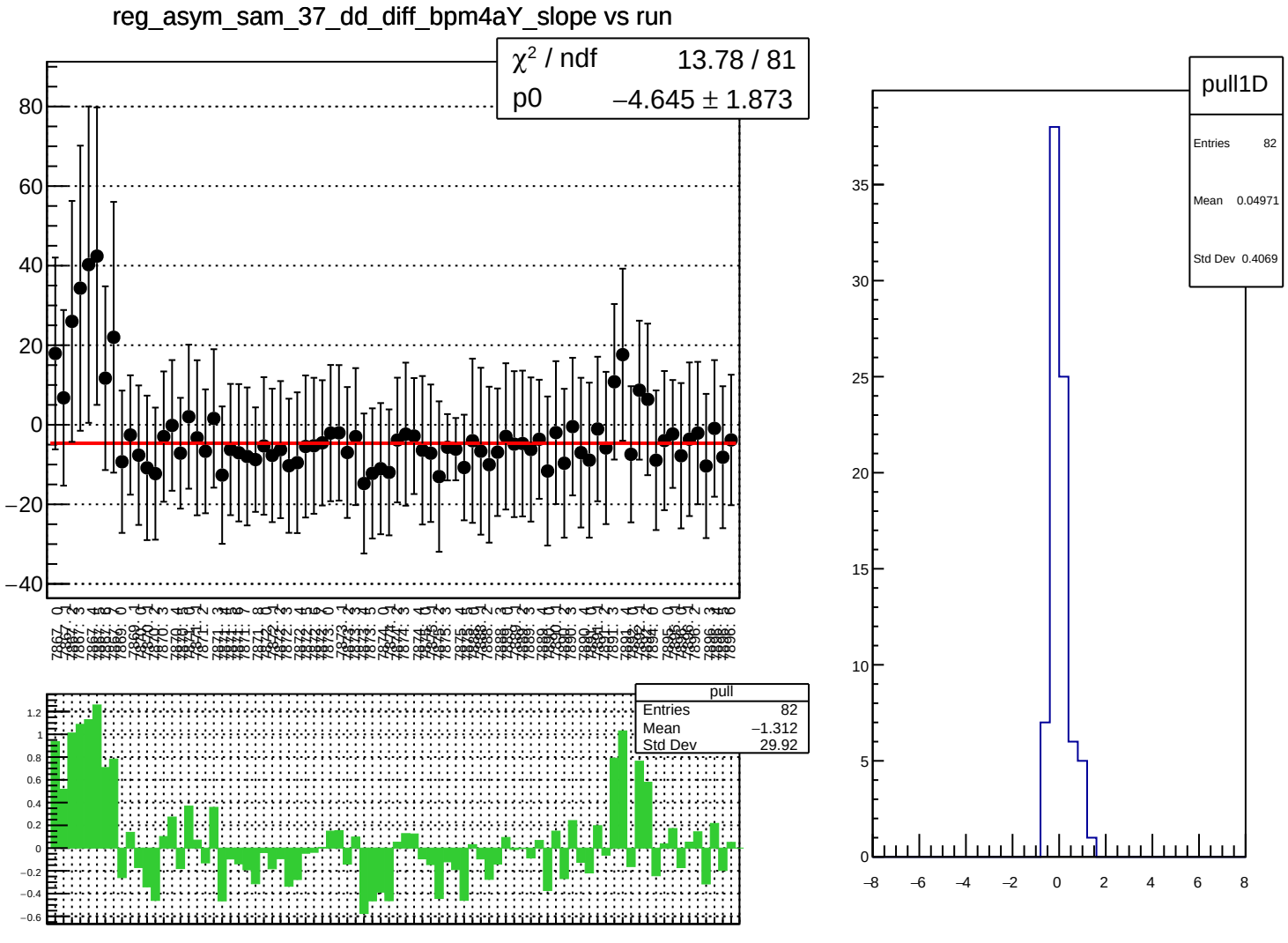

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 204 / 81
p0 −41.08 ± 2.723
pull
Entries 82
Mean 29.32
Std Dev 30.17

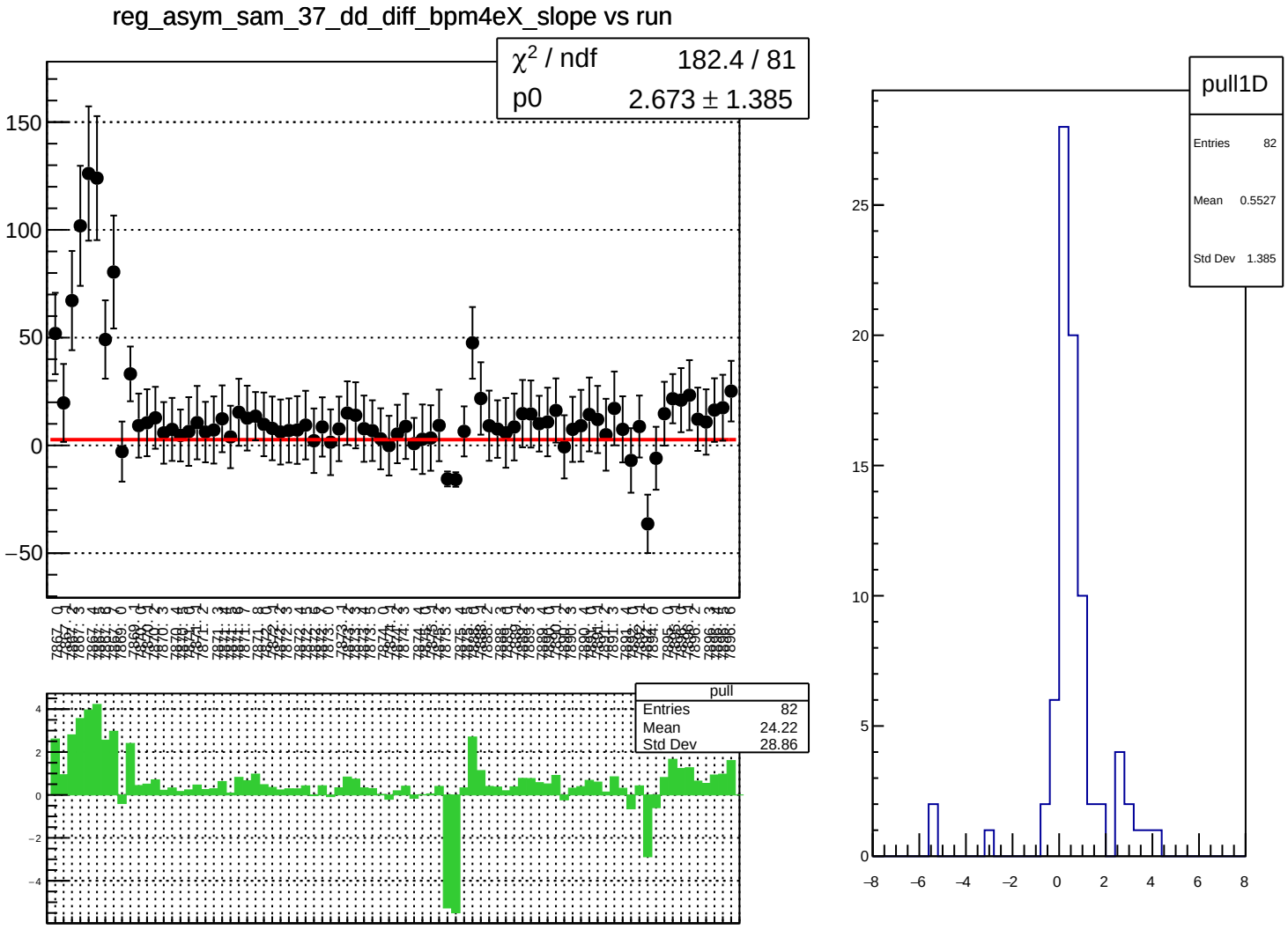

pull1D
Entries 82
Mean 0.5871
Std Dev 1.464

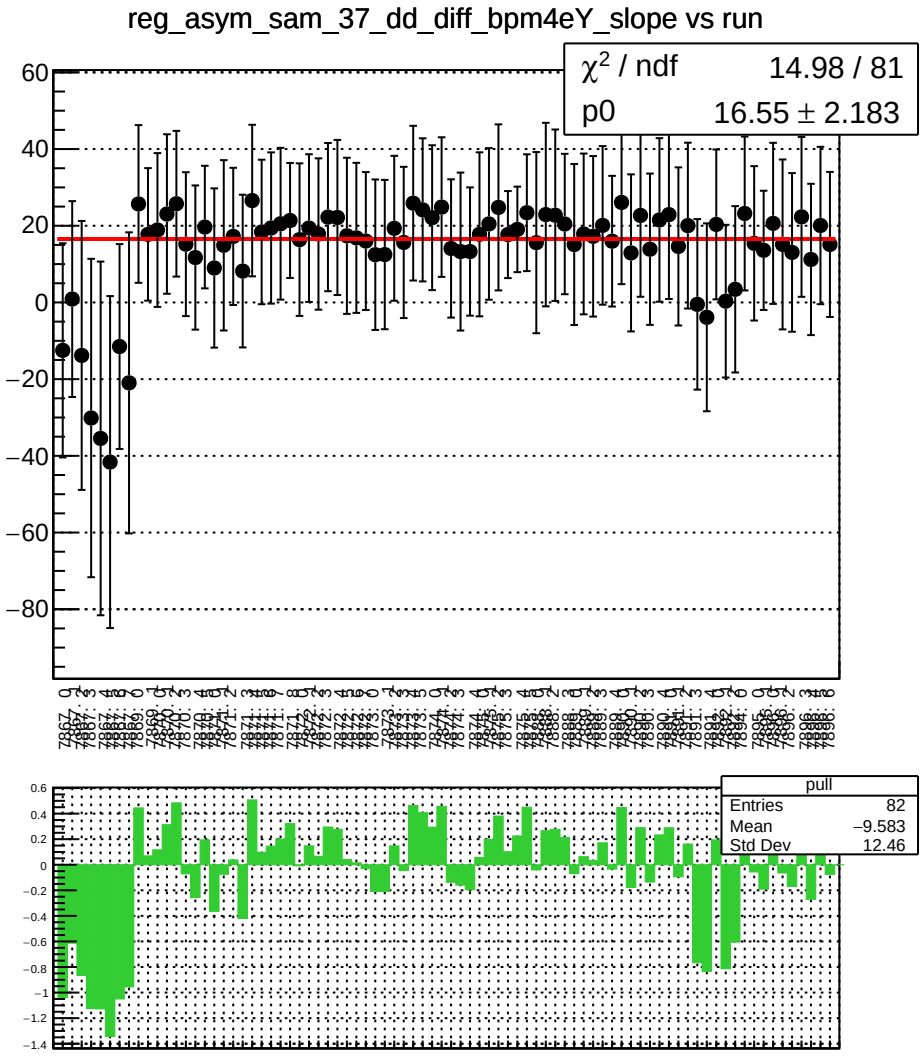

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.019 / 81
p0 −7.886 ± 4.18
50
0
−50
−100
−150
pull
Entries 82
Mean −9.743
Std Dev 21.22
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean −0.02392
Std Dev 0.2462
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

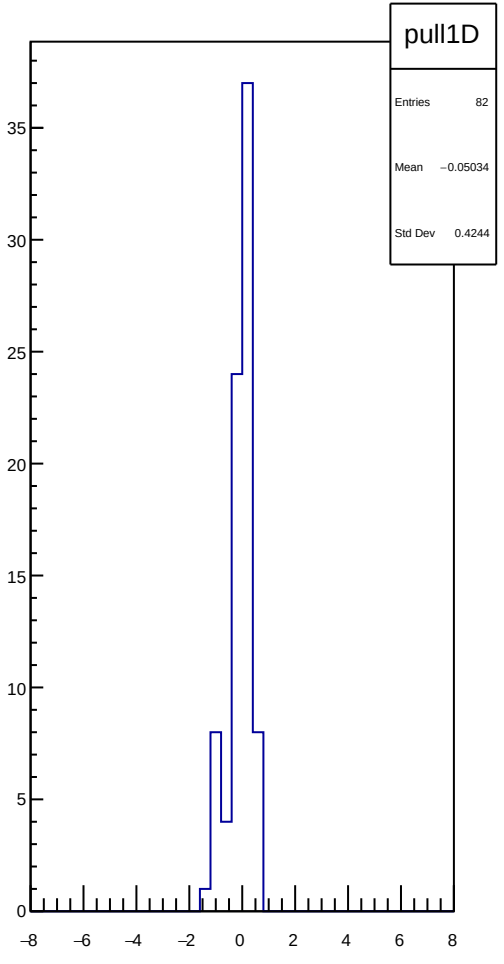

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 46.07 / 81
p0 −1.578 ± 0.1313
pull
Entries 82
Mean −22.8
Std Dev 39.9
pull1D
Entries 82
Mean −0.07437
Std Dev 0.7459

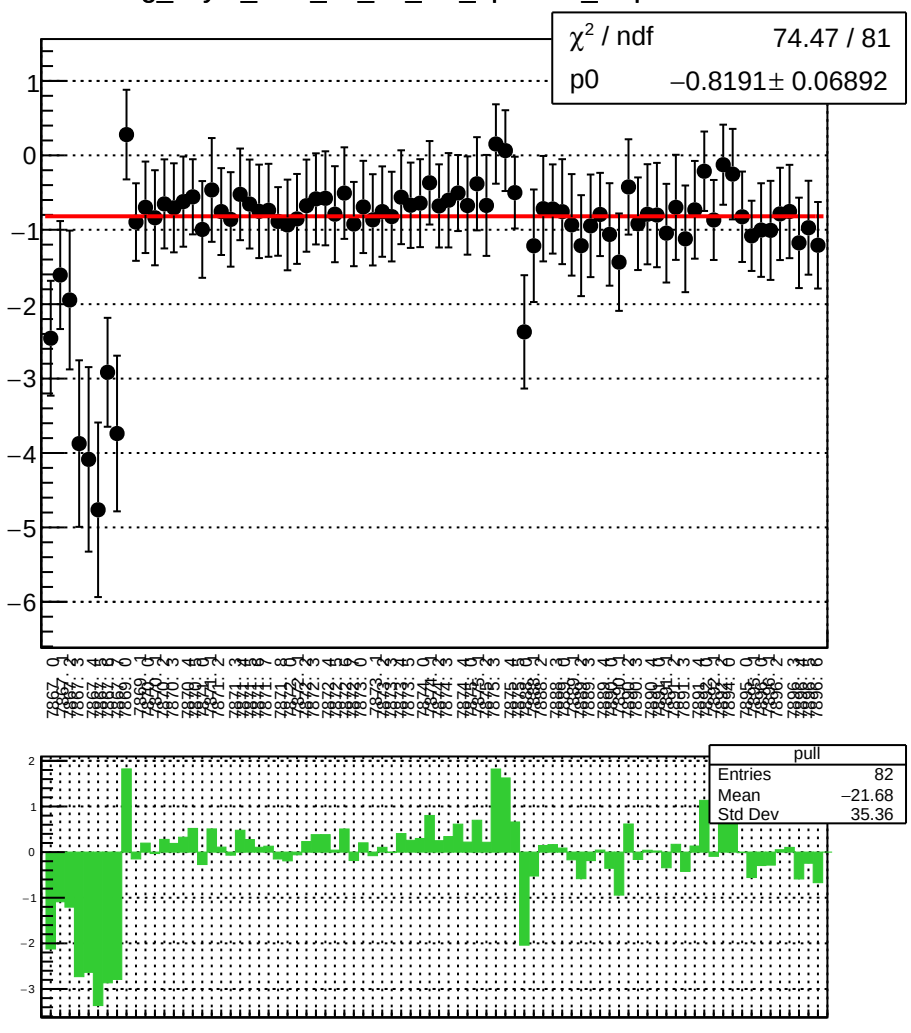

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 178.4 / 81
p0 −55.86 ± 1.658
pull
Entries 82
Mean 23.29
Std Dev 30.12
pull1D
Entries 82
Mean −0.4798
Std Dev 1.395

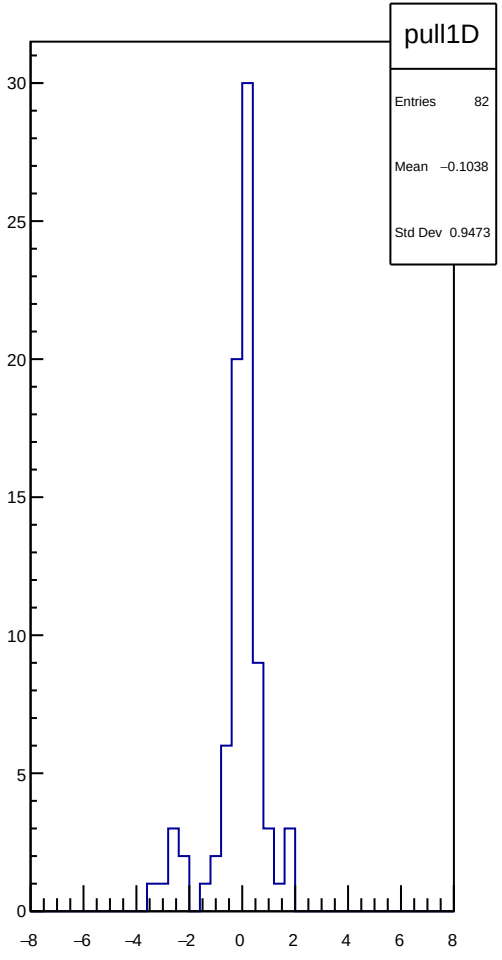

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.78 / 81
p0 −4.645 ± 1.873
pull
Entries 82
Mean −1.312
Std Dev 29.92
pull1D
Entries 82
Mean 0.04971
Std Dev 0.4069

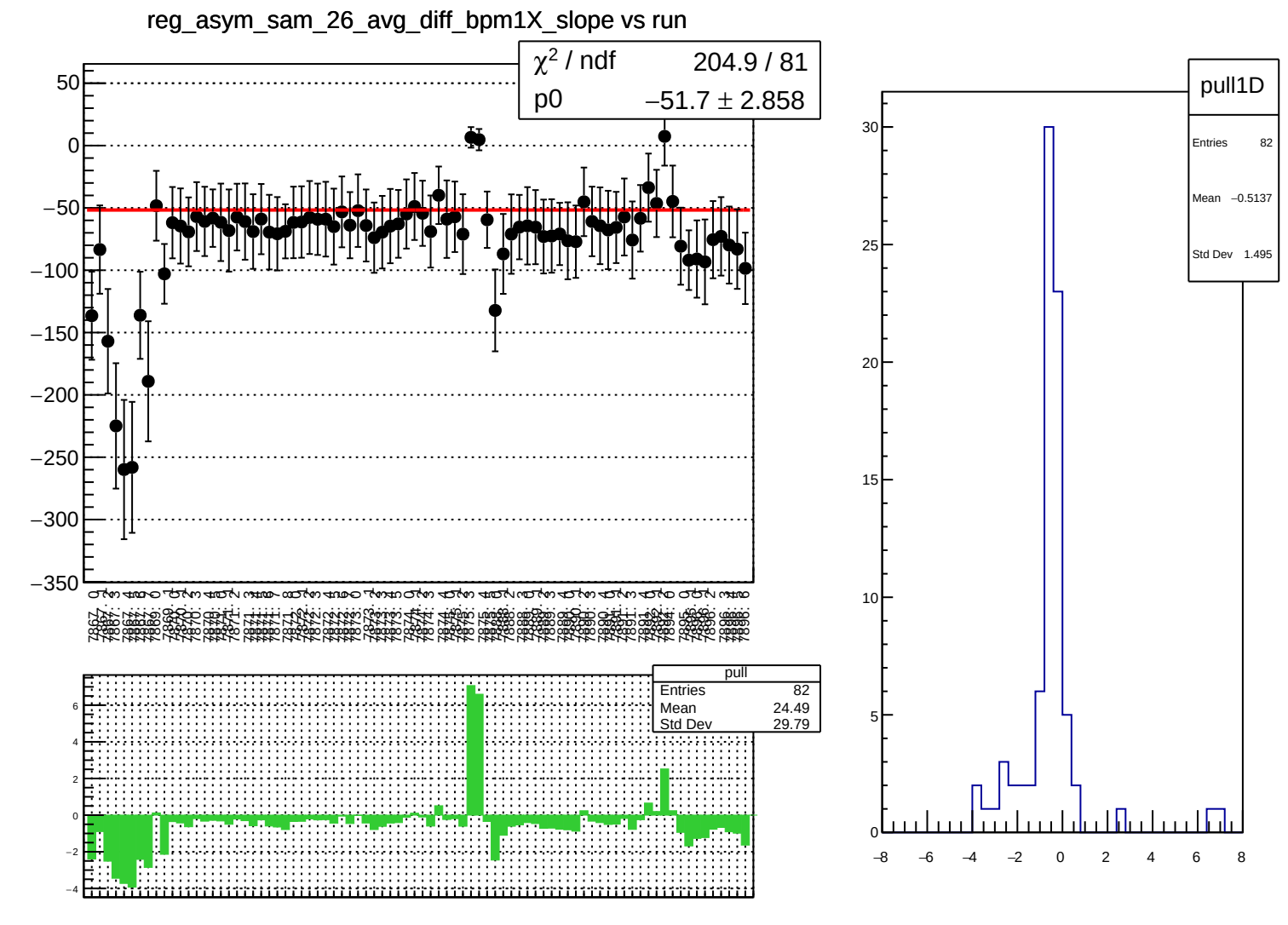

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 182.4 / 81
p0 2.673 ± 1.385
150
100
50
0
−50
pull
Entries 82
Mean 24.22
Std Dev 28.86
4
2
0
−2
−4
pull1D
Entries 82
Mean 0.5527
Std Dev 1.385
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

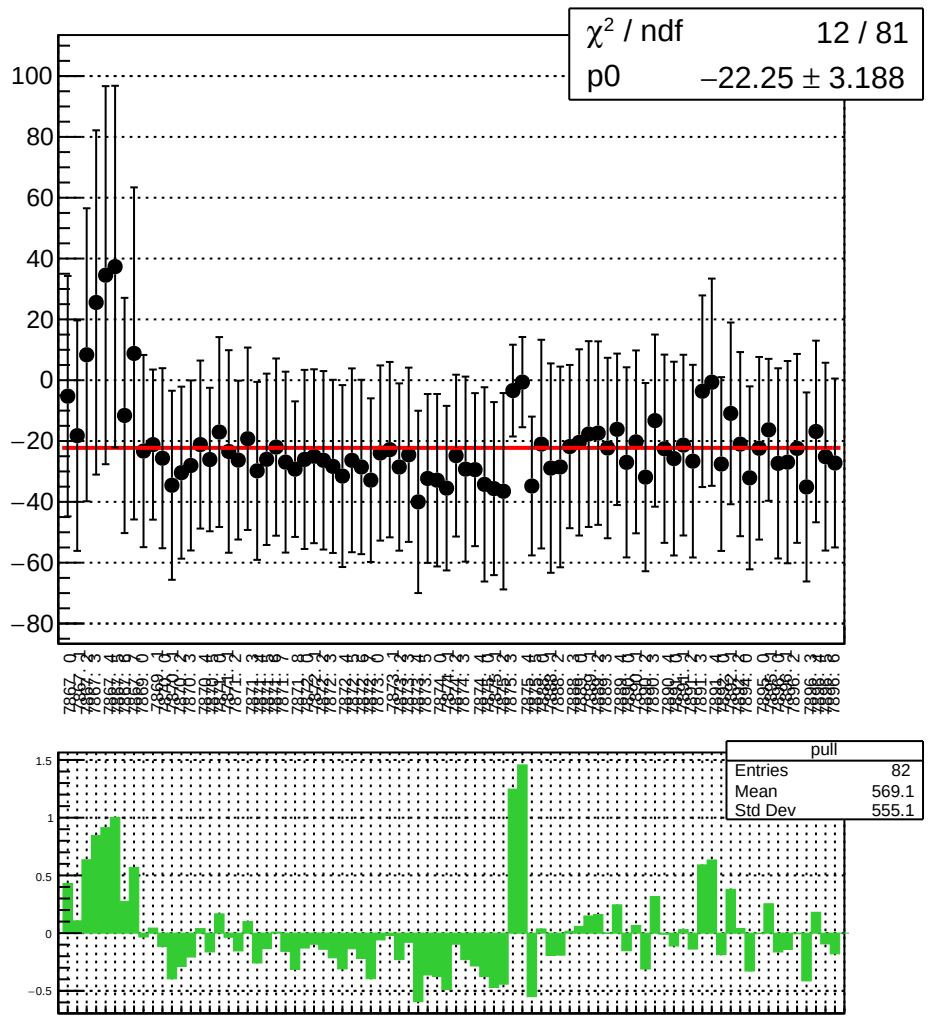

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.98 / 81
p0 16.55 ± 2.183
pull
Entries 82
Mean −9.583
Std Dev 12.46

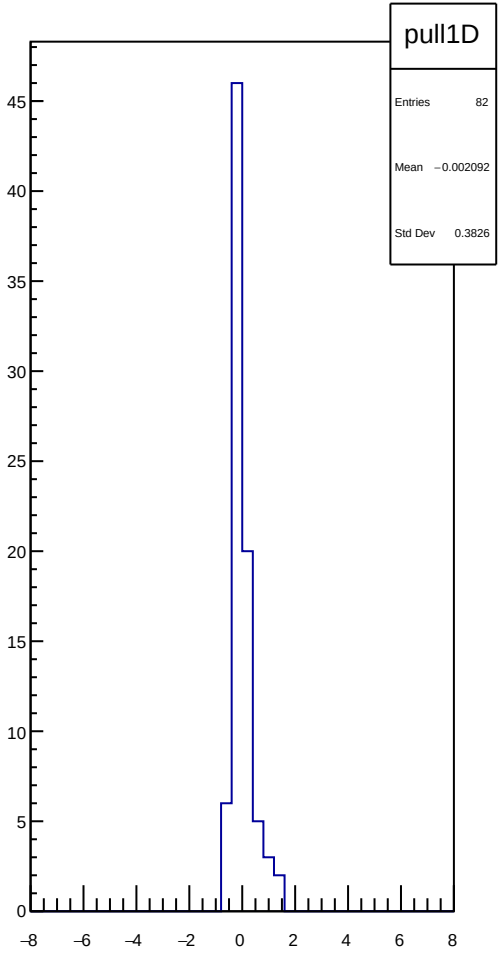

pull1D
Entries 82
Mean −0.05034
Std Dev 0.4244

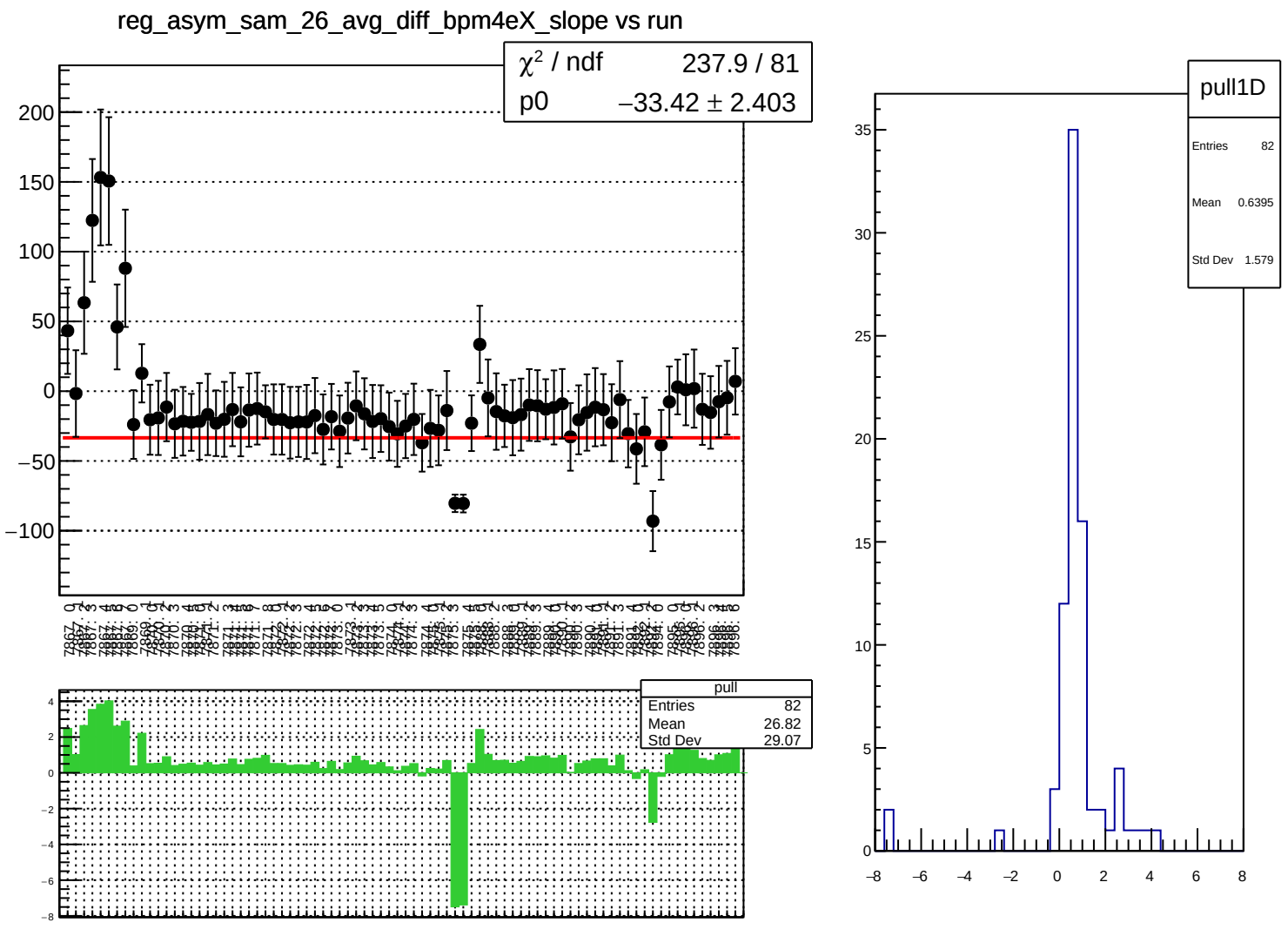

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 74.47 / 81
p0 −0.8191± 0.06892
pull
Entries 82
Mean −21.68
Std Dev 35.36

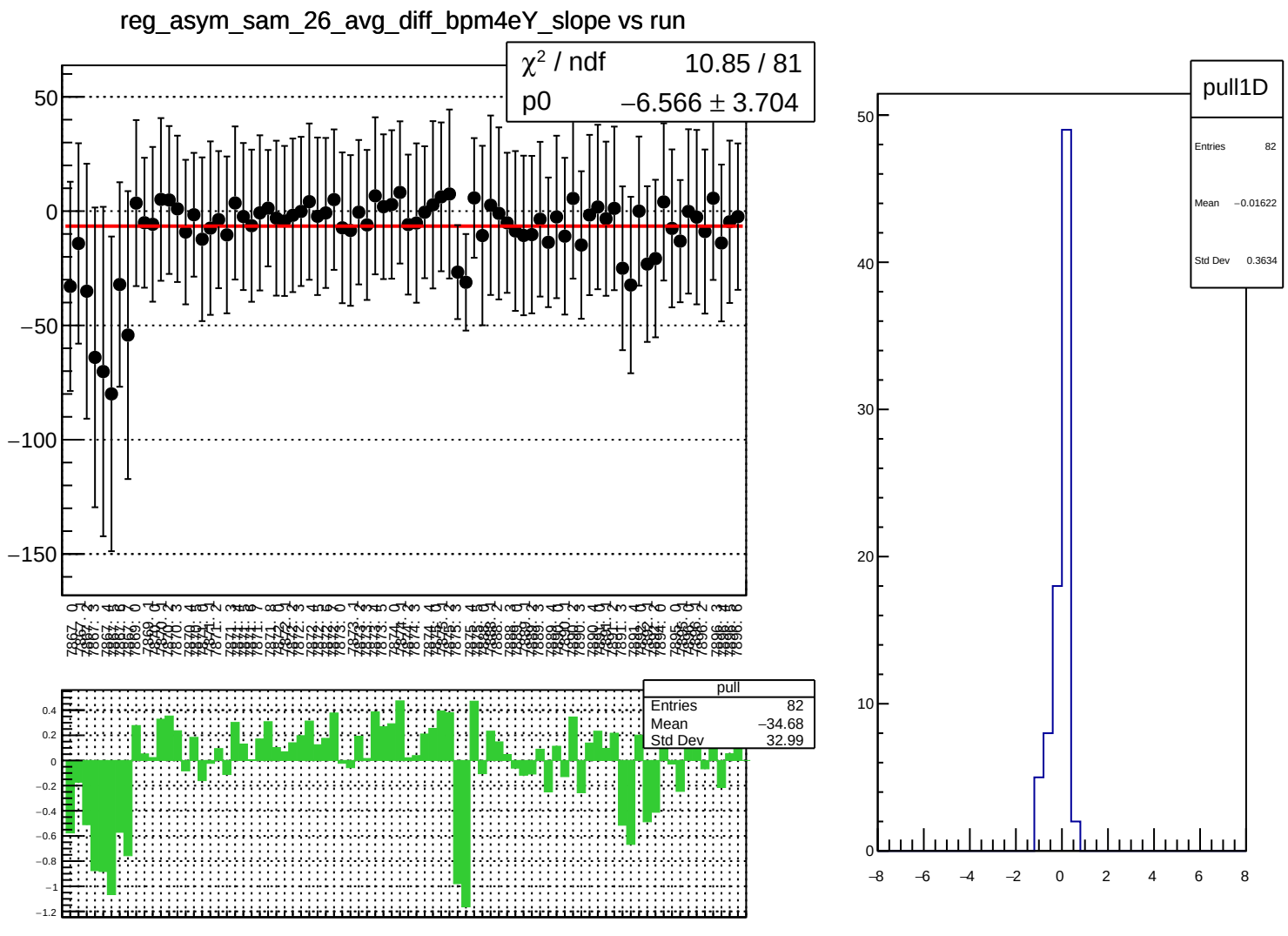

pull1D
Entries 82
Mean −0.1038
Std Dev 0.9473

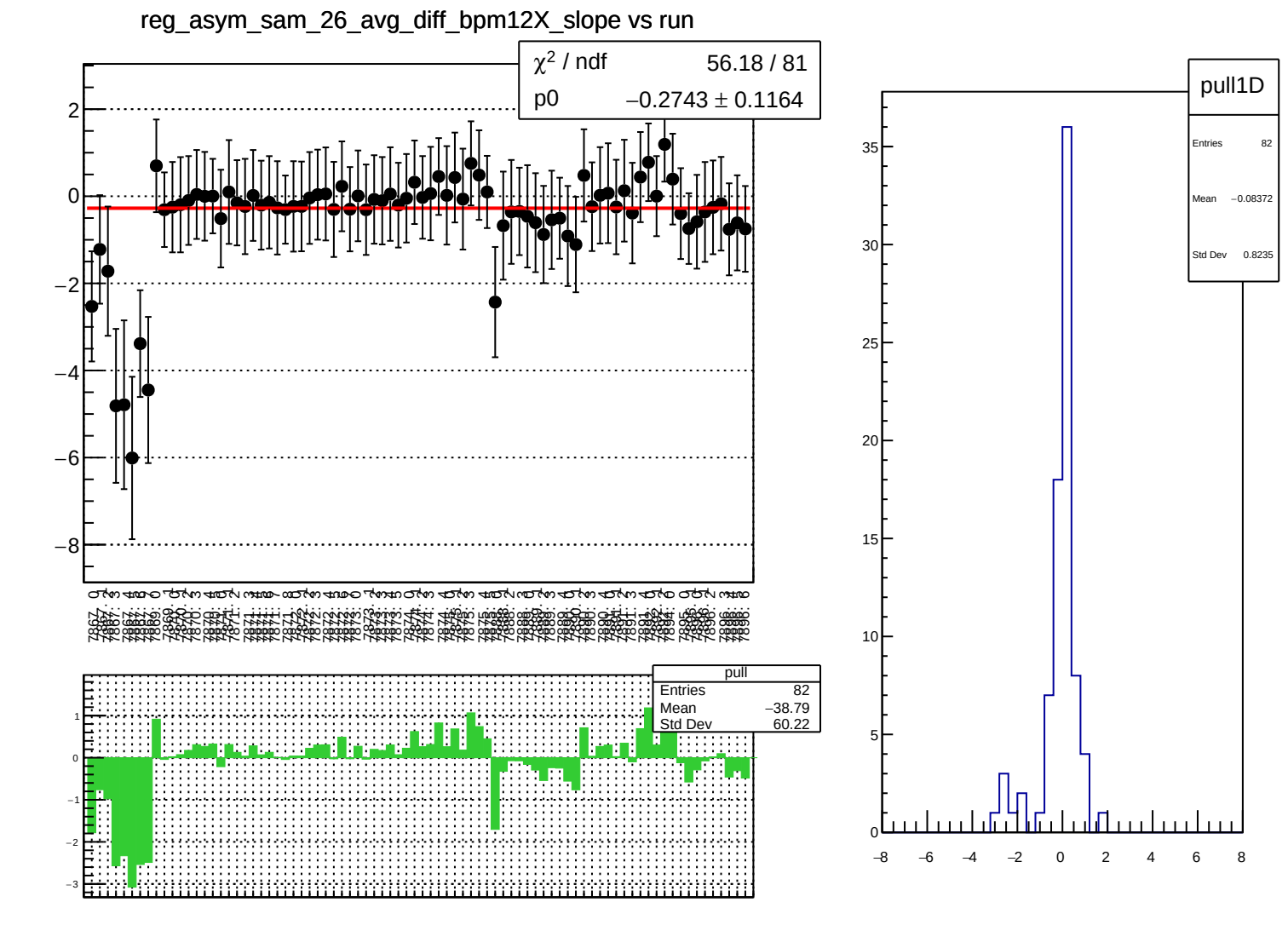

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 204.9 / 81
p0 −51.7 ± 2.858
pull
Entries 82
Mean 24.49
Std Dev 29.79
pull1D
Entries 82
Mean −0.5137
Std Dev 1.495

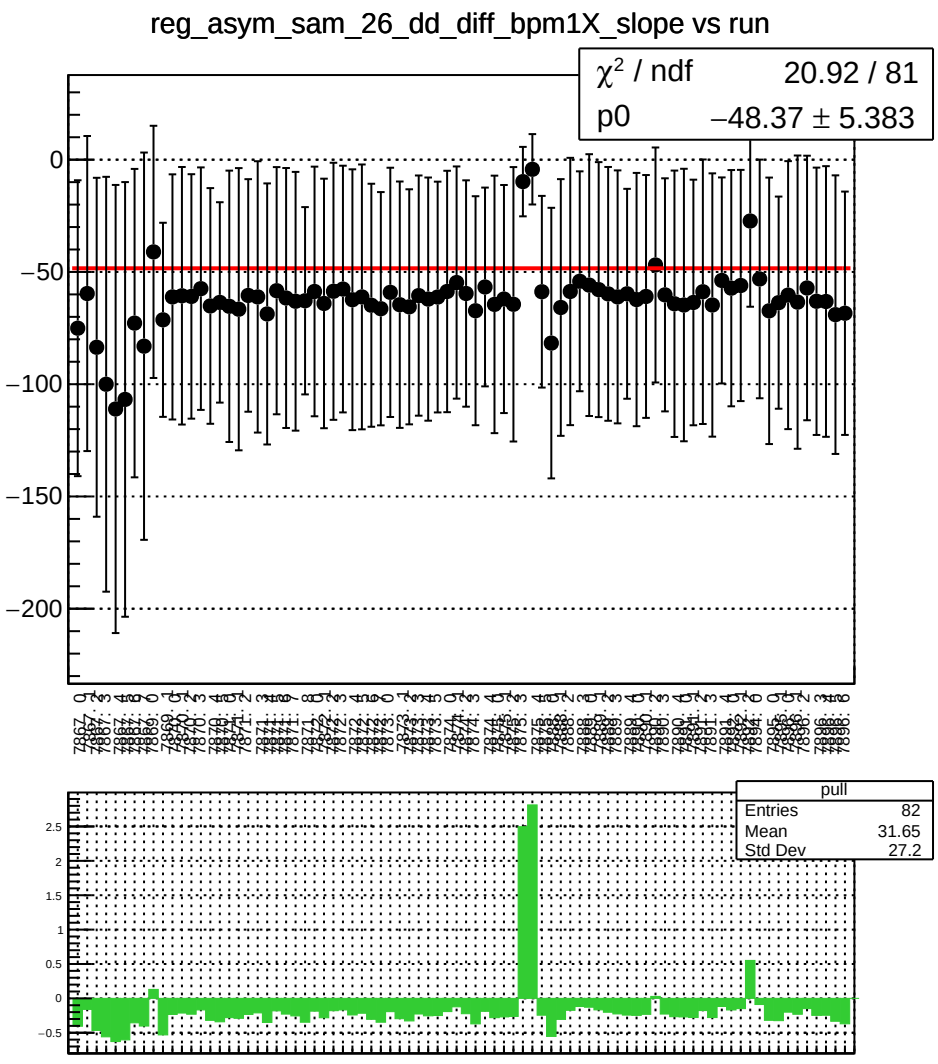

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 12 / 81
p0 −22.25 ± 3.188
pull
Entries 82
Mean 569.1
Std Dev 555.1

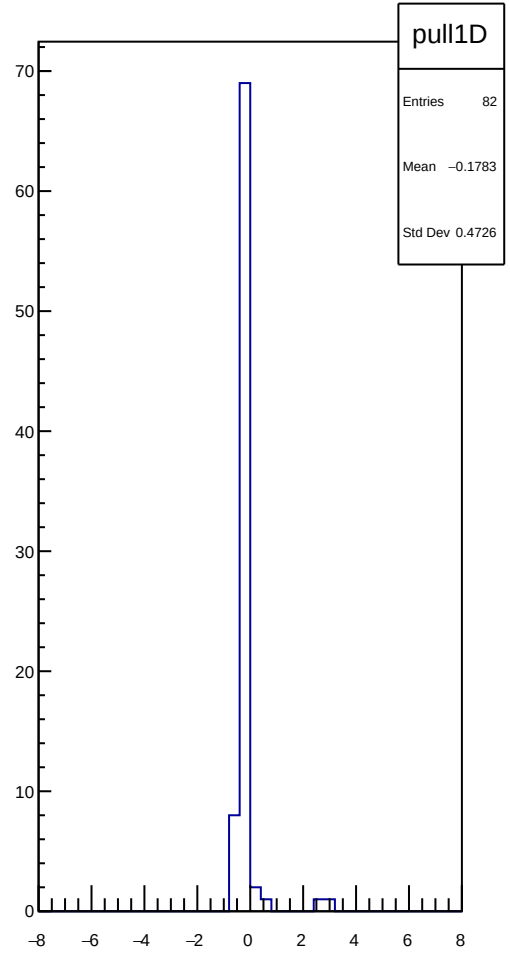

pull1D
Entries 82
Mean −0.002092
Std Dev 0.3826

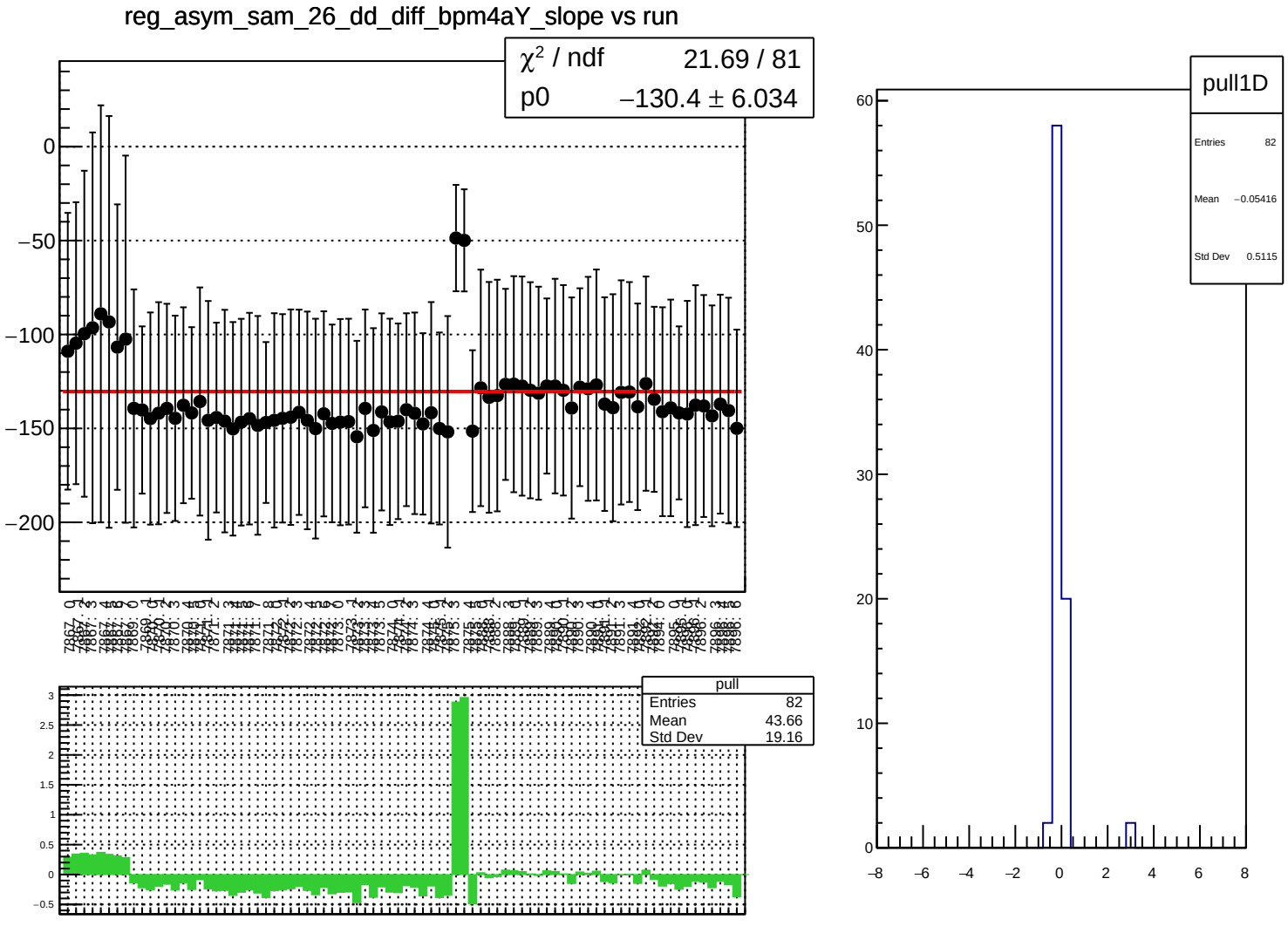

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 237.9 / 81
p0 −33.42 ± 2.403
pull
Entries 82
Mean 26.82
Std Dev 29.07
pull1D
Entries 82
Mean 0.6395
Std Dev 1.579

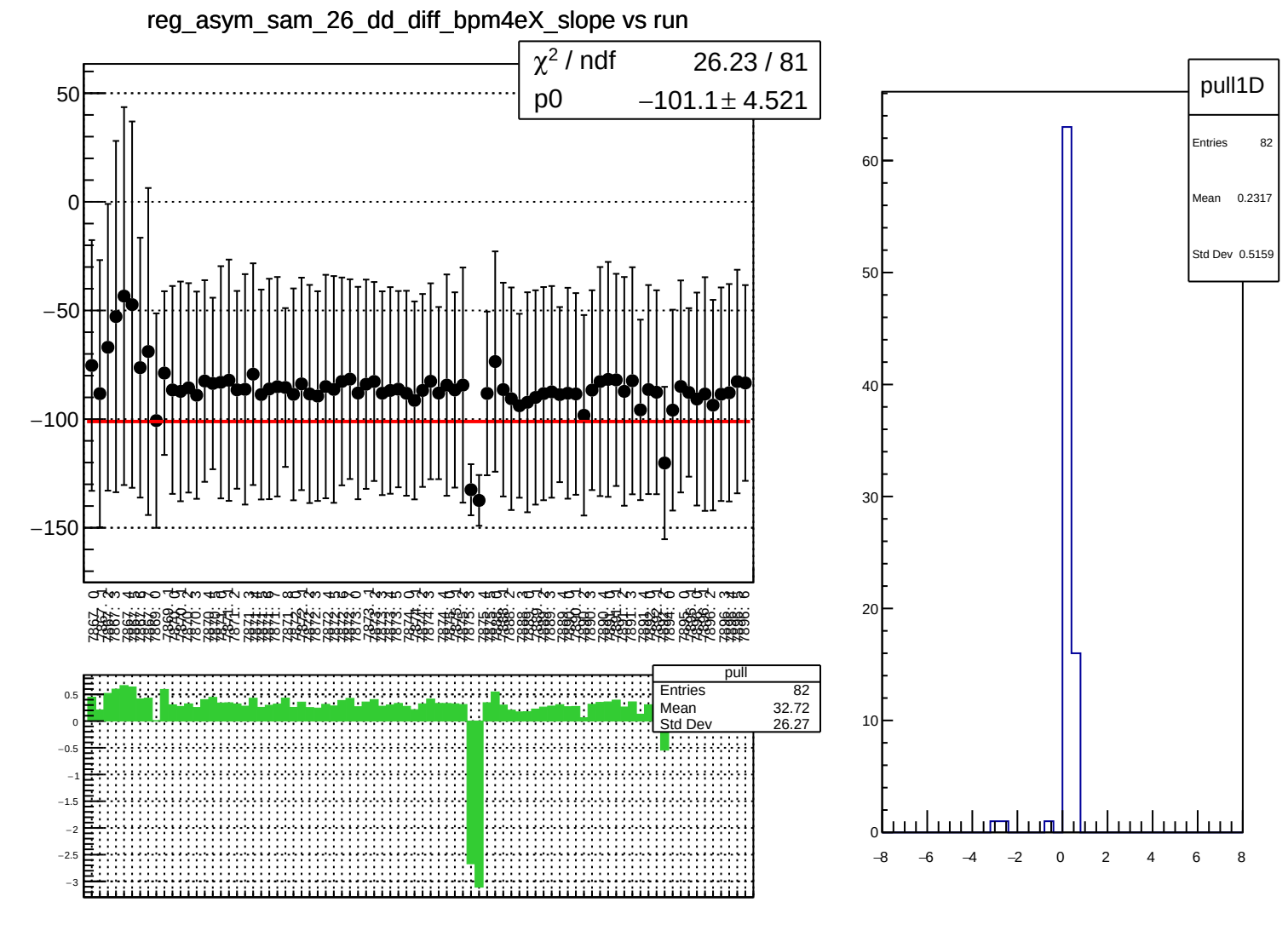

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.85 / 81
p0 −6.566 ± 3.704
pull
Entries 82
Mean −34.68
Std Dev 32.99
pull1D
Entries 82
Mean −0.01622
Std Dev 0.3634

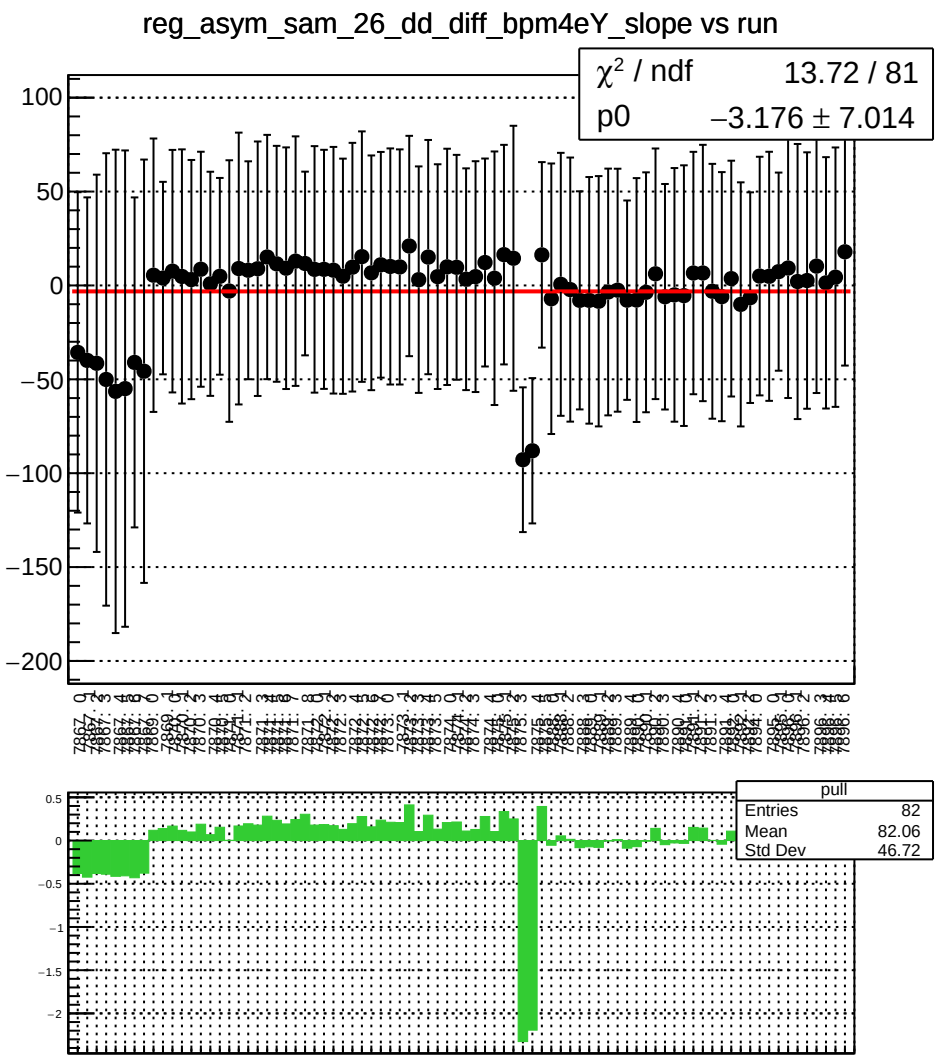

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 56.18 / 81
p0 −0.2743 ± 0.1164
pull
Entries 82
Mean −38.79
Std Dev 60.22
pull1D
Entries 82
Mean −0.08372
Std Dev 0.8235

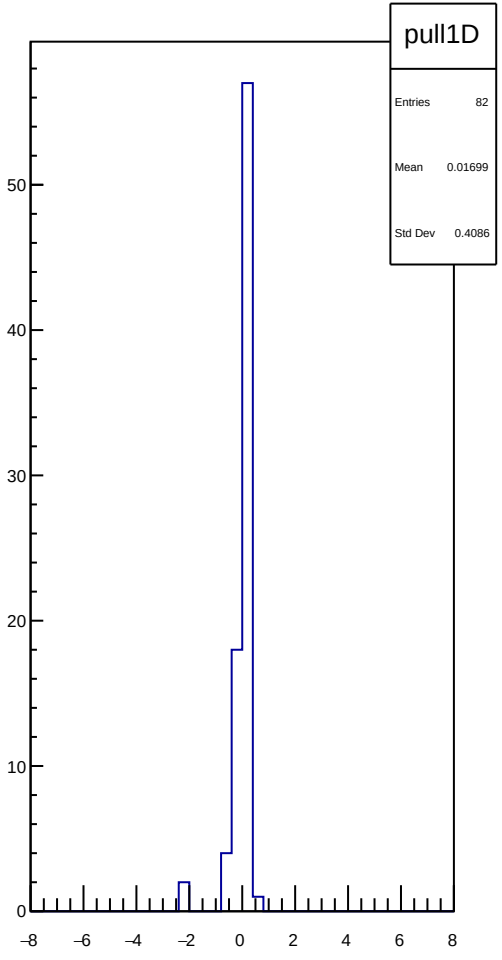

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 20.92 / 81
p0 −48.37 ± 5.383
pull
Entries 82
Mean 31.65
Std Dev 27.2

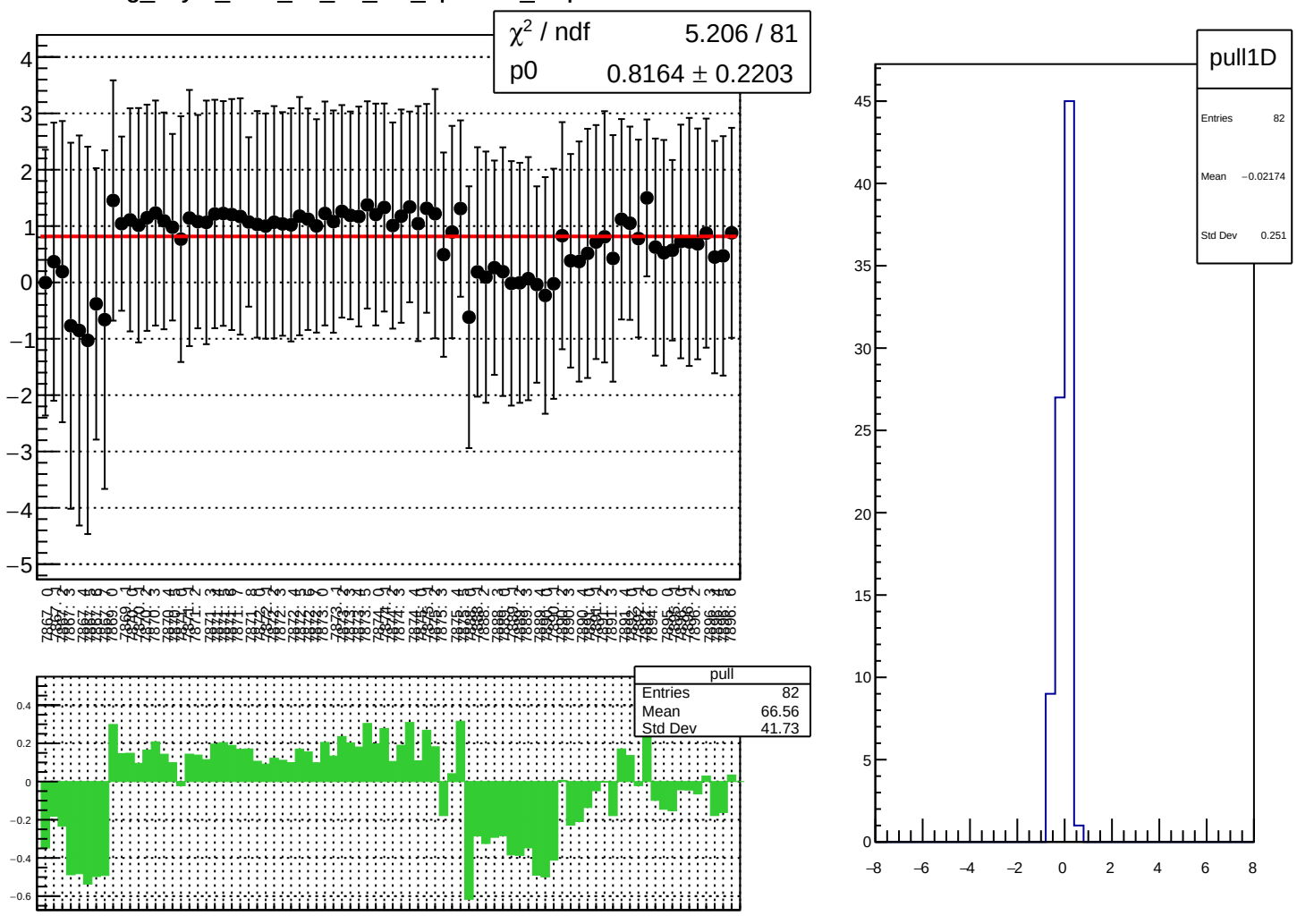

pull1D
Entries 82
Mean −0.1783
Std Dev 0.4726

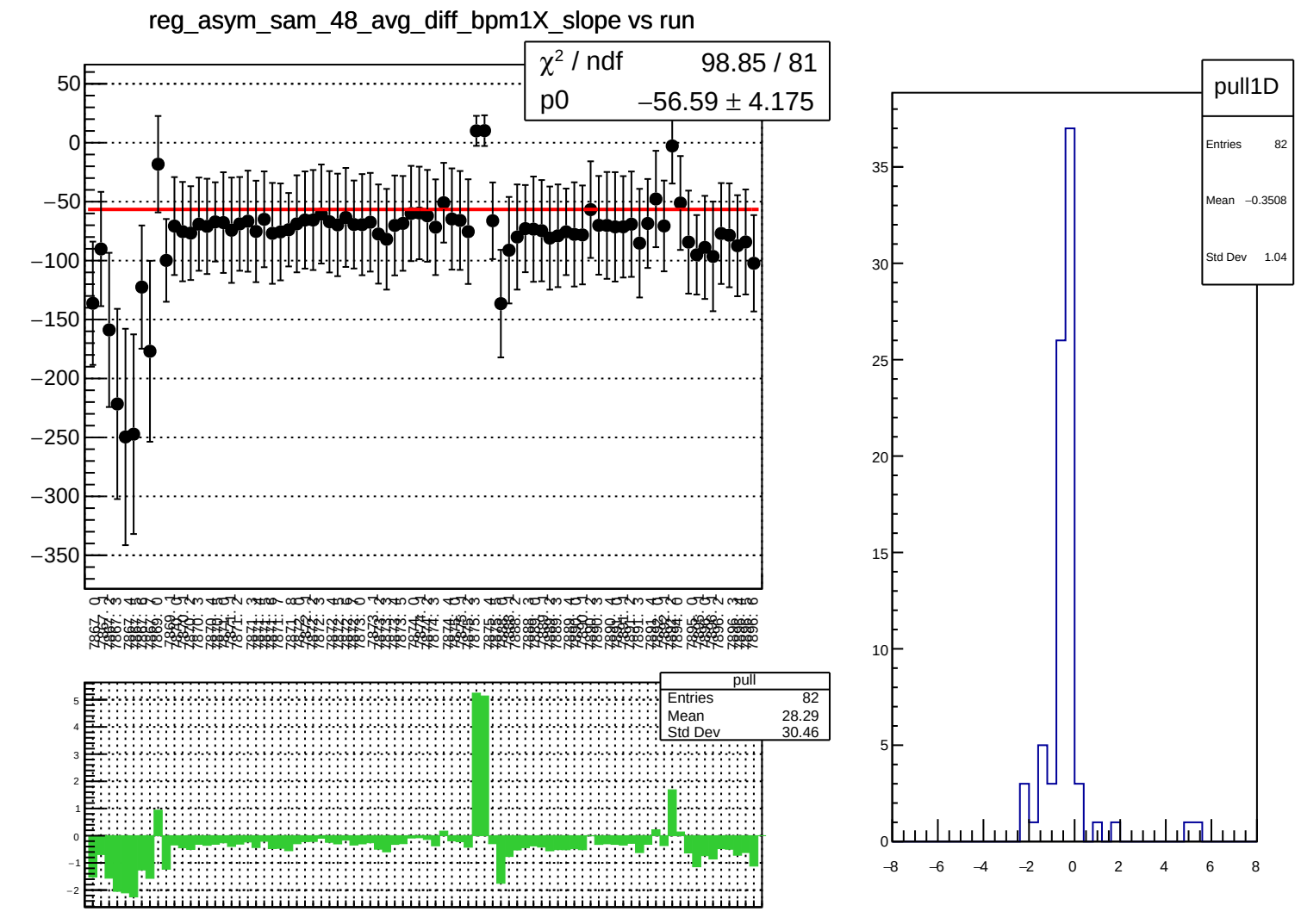

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.69 / 81
p0 −130.4 ± 6.034
pull
Entries 82
Mean 43.66
Std Dev 19.16
pull1D
Entries 82
Mean −0.05416
Std Dev 0.5115

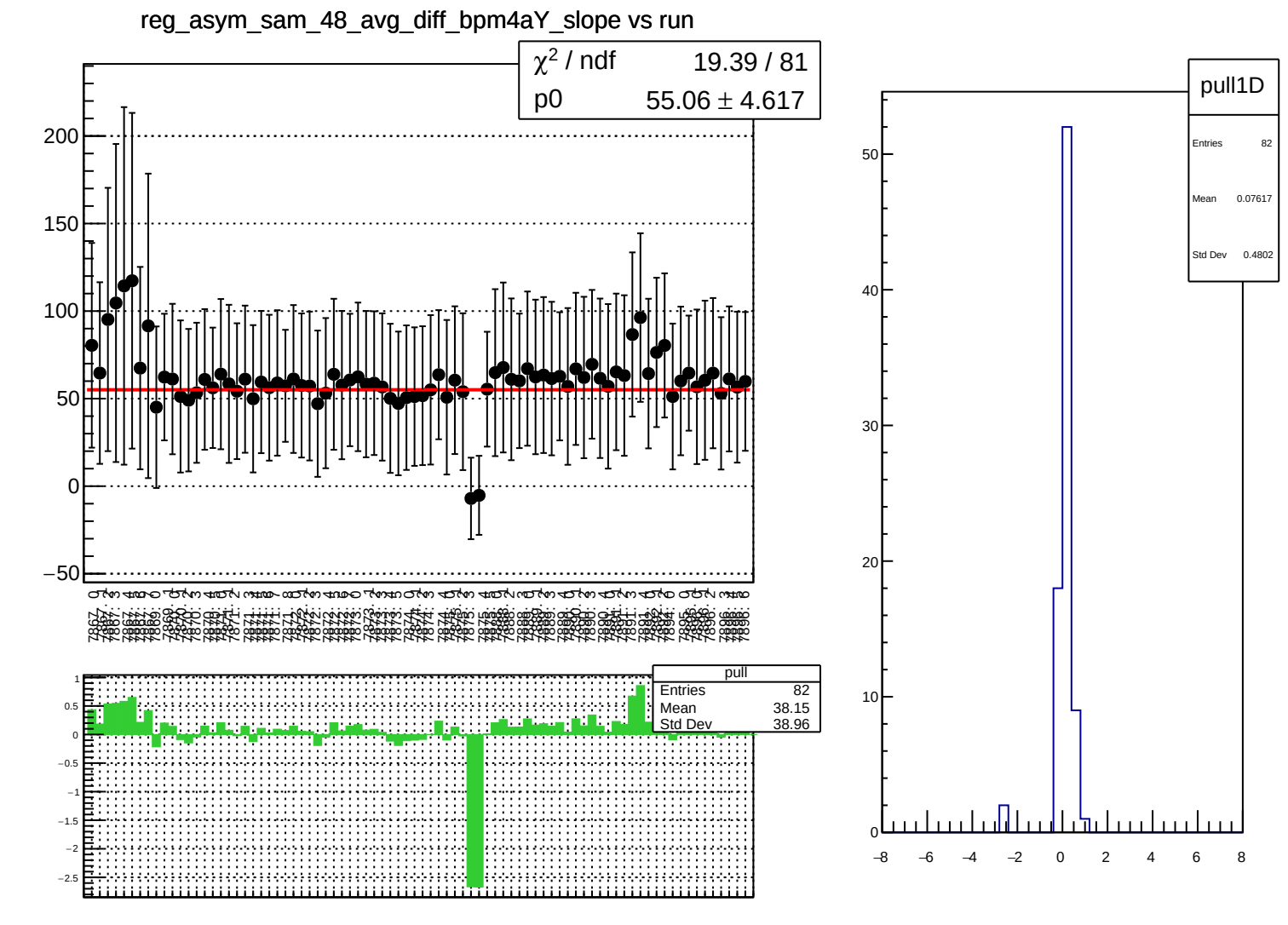

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.23 / 81
p0 −101.1 ± 4.521
50
0
−50
−100
−150
pull
Entries 82
Mean 32.72
Std Dev 26.27
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 82
Mean 0.2317
Std Dev 0.5159
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

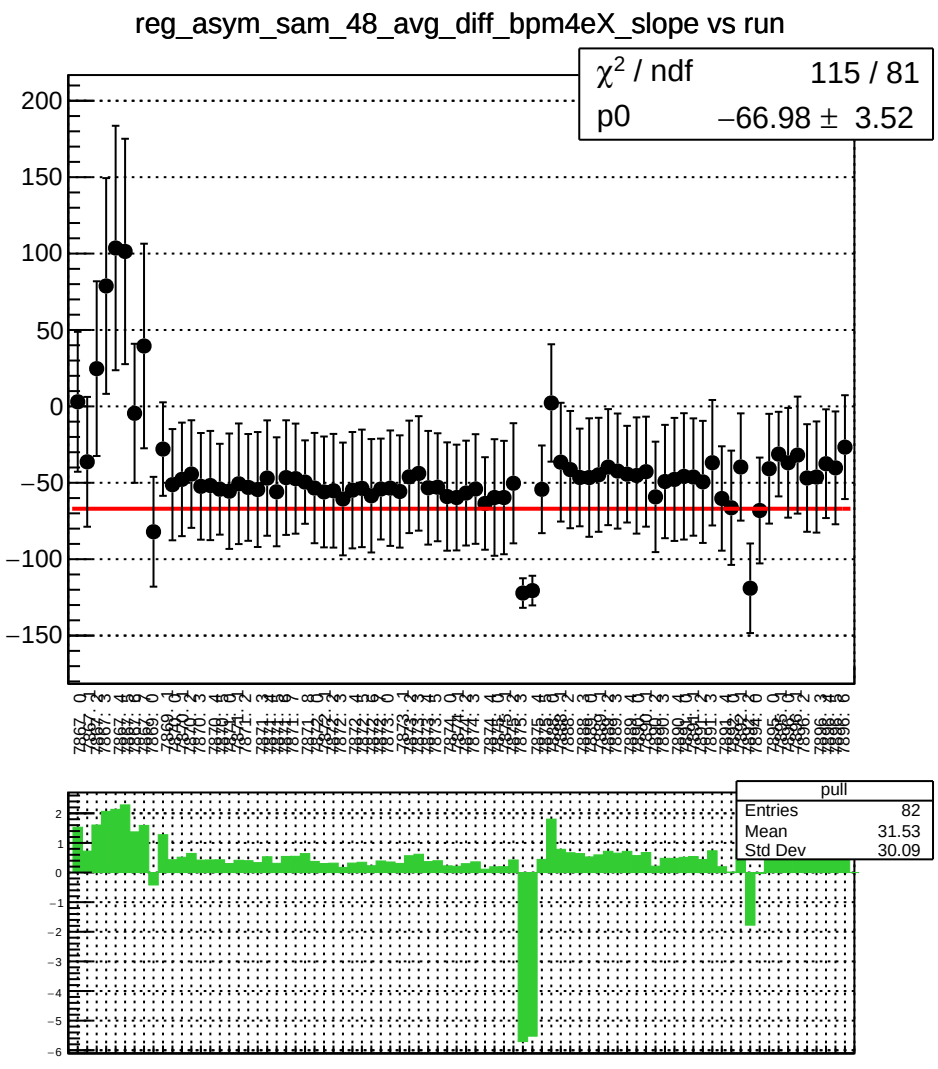

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.72 / 81
p0 −3.176 ± 7.014
pull
Entries 82
Mean 82.06
Std Dev 46.72

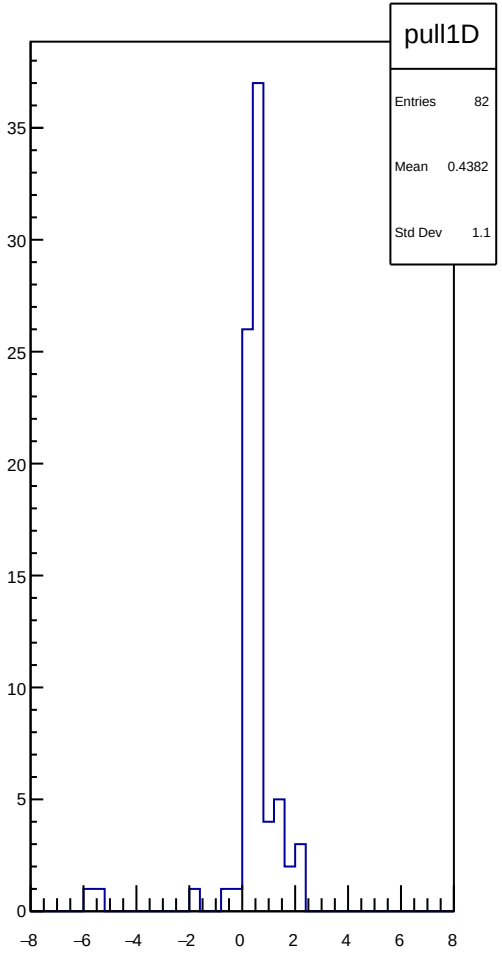

pull1D
Entries 82
Mean 0.01699
Std Dev 0.4086

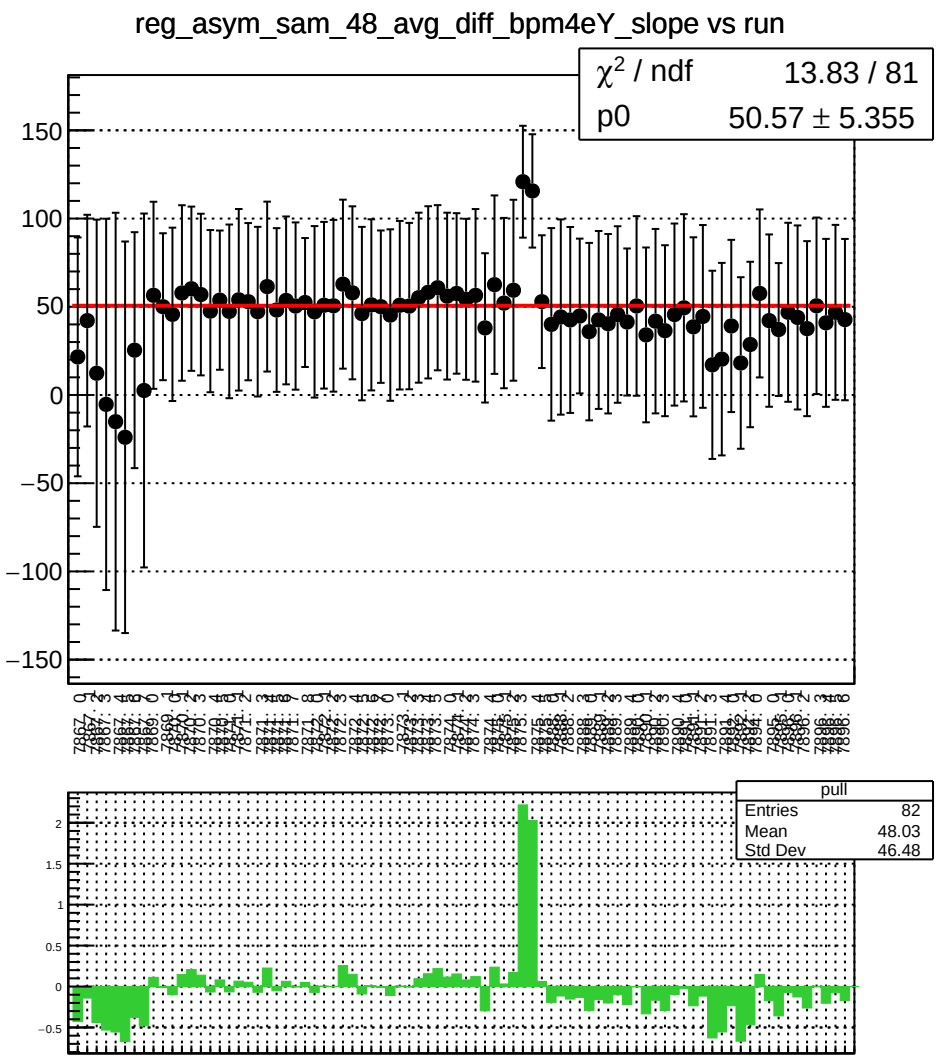

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 5.206 / 81
p0 0.8164 ± 0.2203
pull
Entries 82
Mean 66.56
Std Dev 41.73
pull1D
Entries 82
Mean −0.02174
Std Dev 0.251

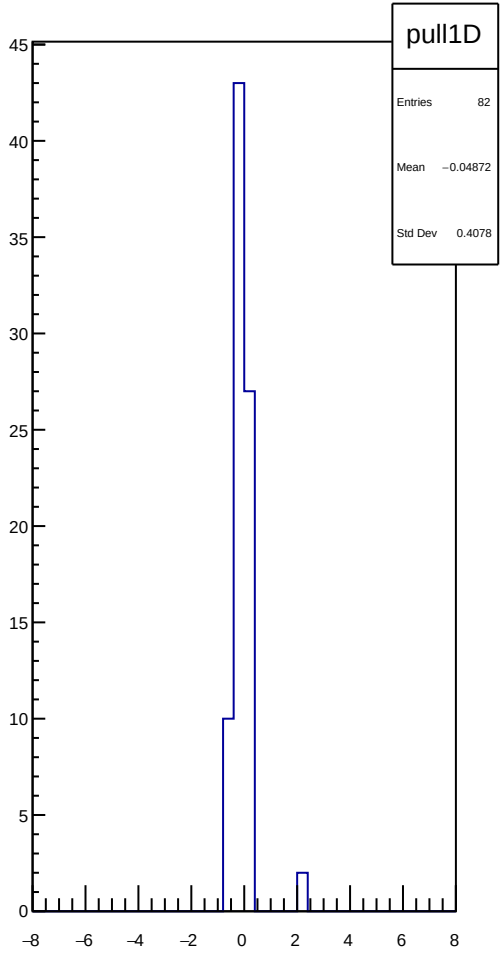

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 98.85 / 81
p0 −56.59 ± 4.175
pull
Entries 82
Mean 28.29
Std Dev 30.46
pull1D
Entries 82
Mean −0.3508
Std Dev 1.04

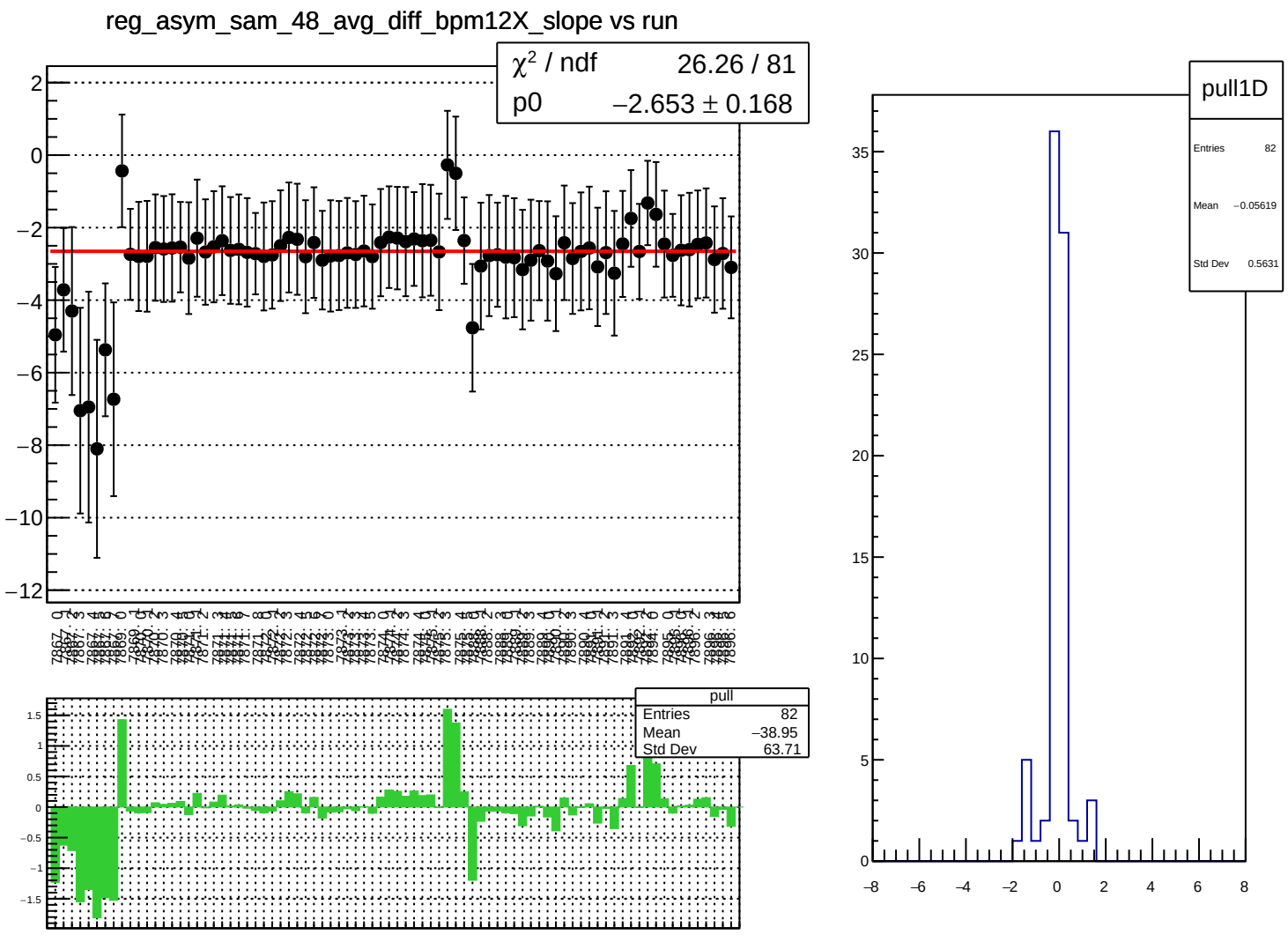

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.39 / 81
p0 55.06 ± 4.617
pull
Entries 82
Mean 38.15
Std Dev 38.96
pull1D
Entries 82
Mean 0.07617
Std Dev 0.4802

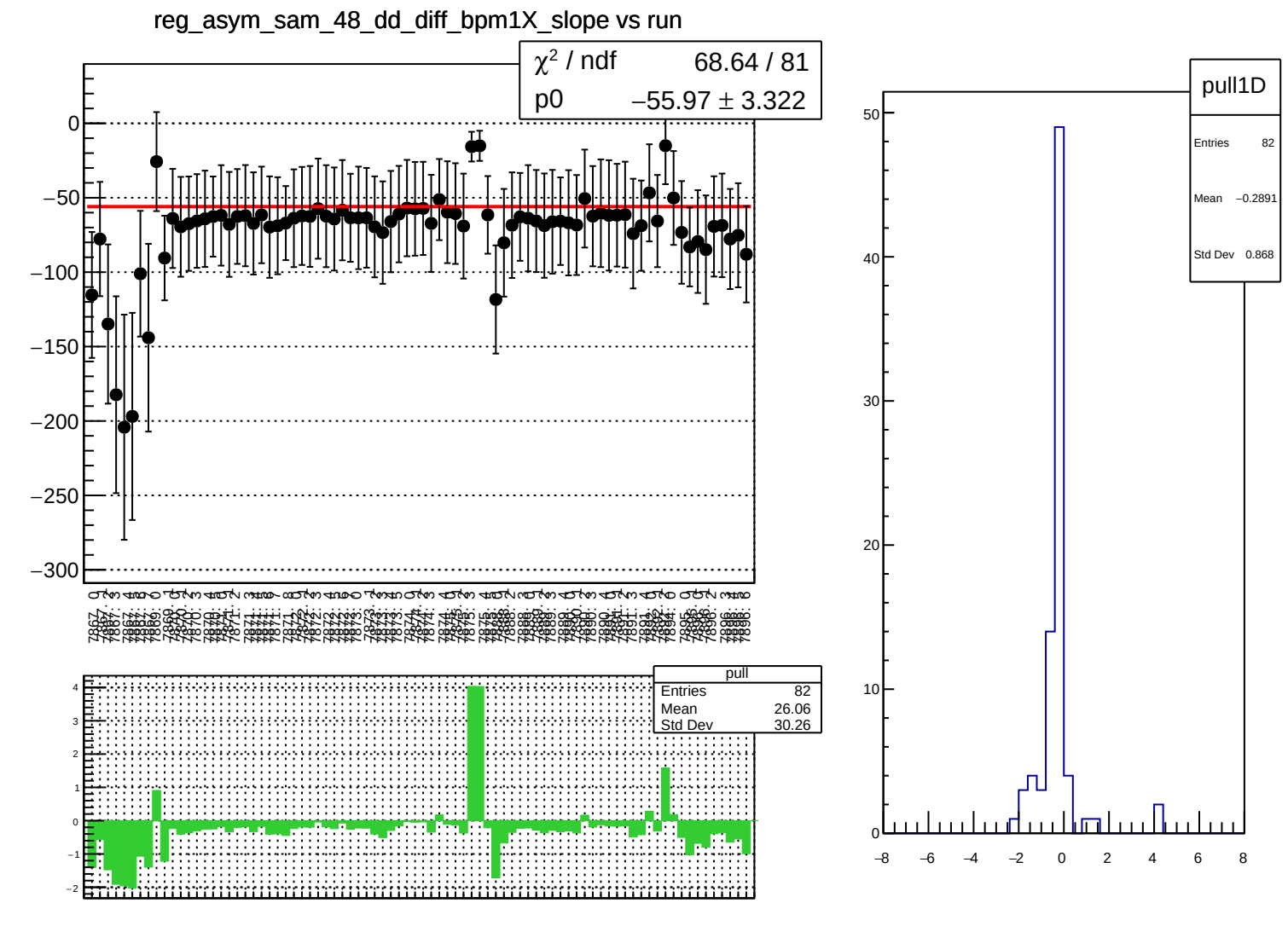

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 115 / 81
p0 −66.98 ± 3.52
pull
Entries 82
Mean 31.53
Std Dev 30.09

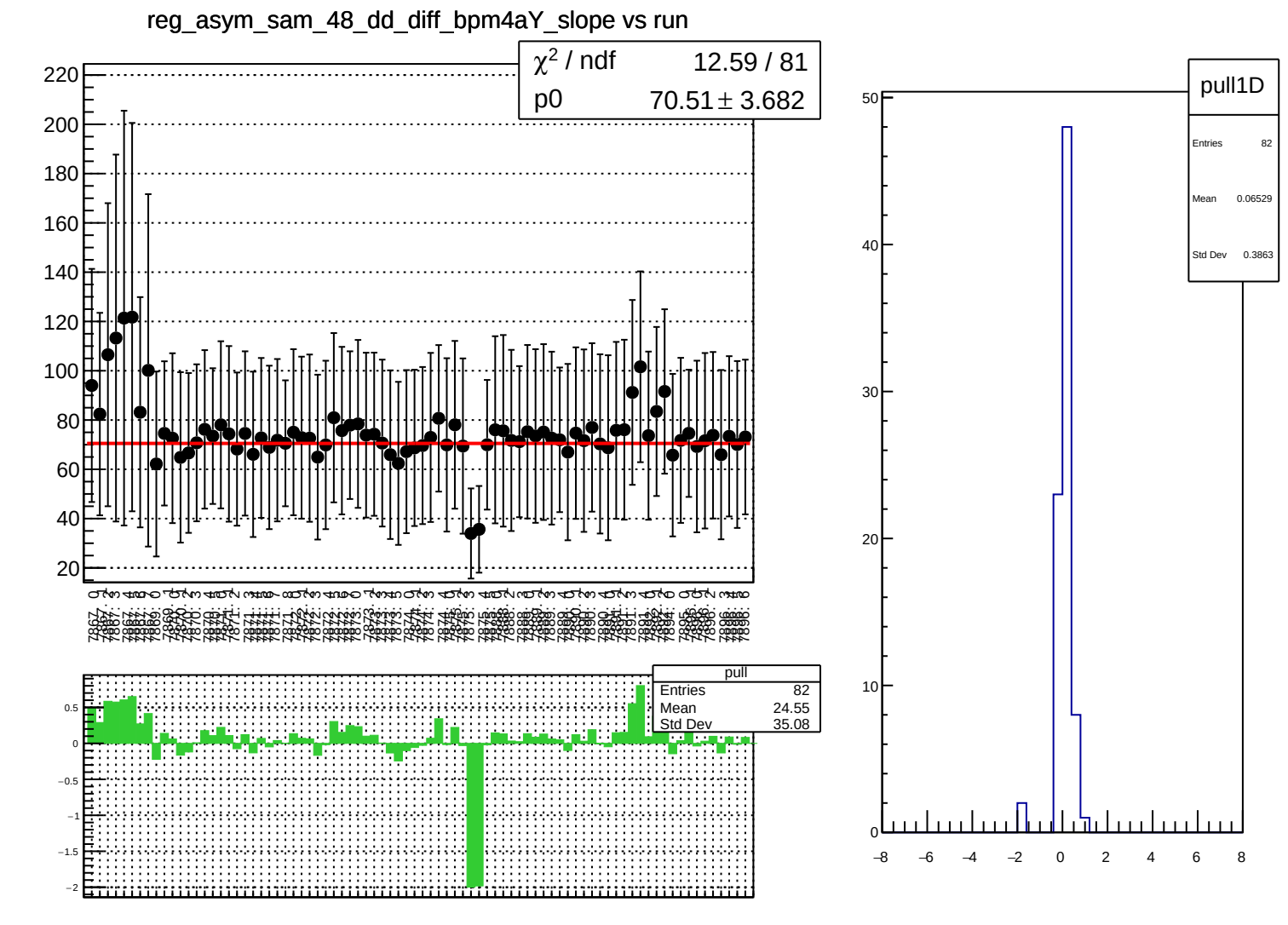

pull1D
Entries 82
Mean 0.4382
Std Dev 1.1

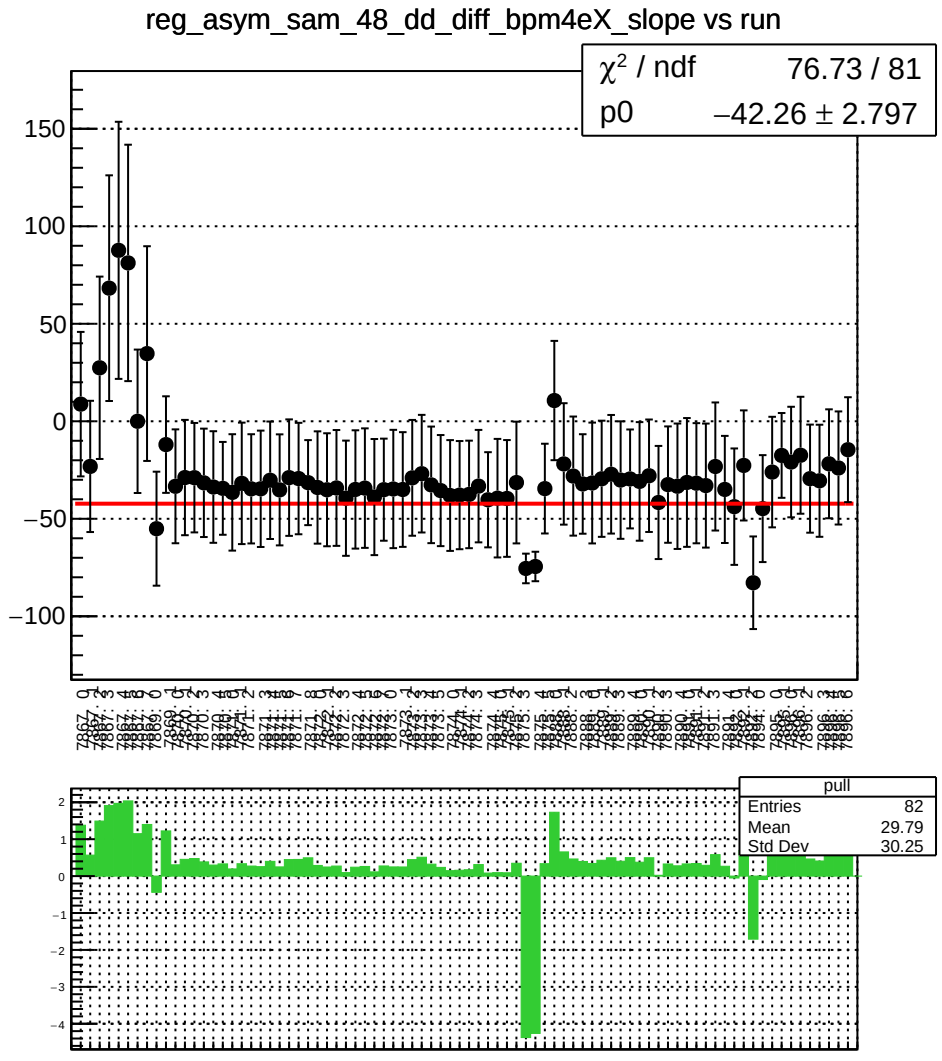

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.83 / 81
p0 50.57 ± 5.355
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 48.03
Std Dev 46.48
2
1.5
1
0.5
0
−0.5

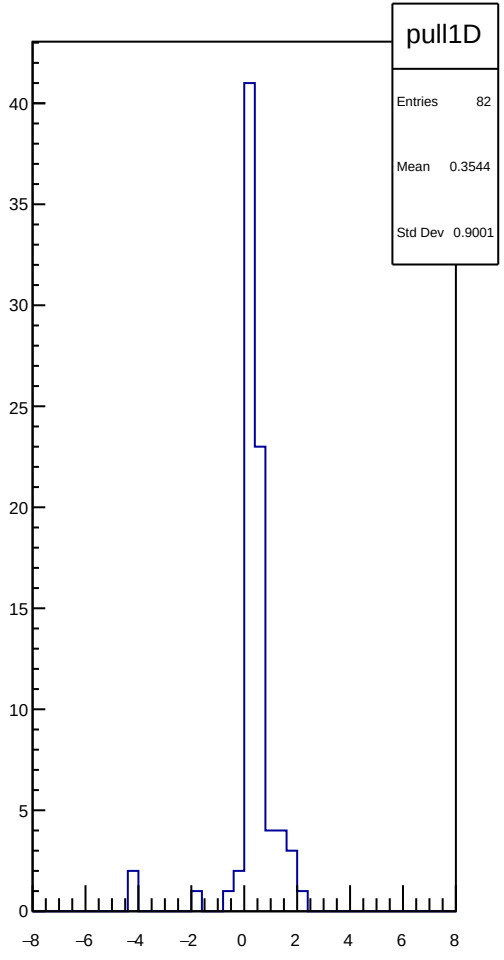

pull1D
Entries 82
Mean −0.04872
Std Dev 0.4078
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

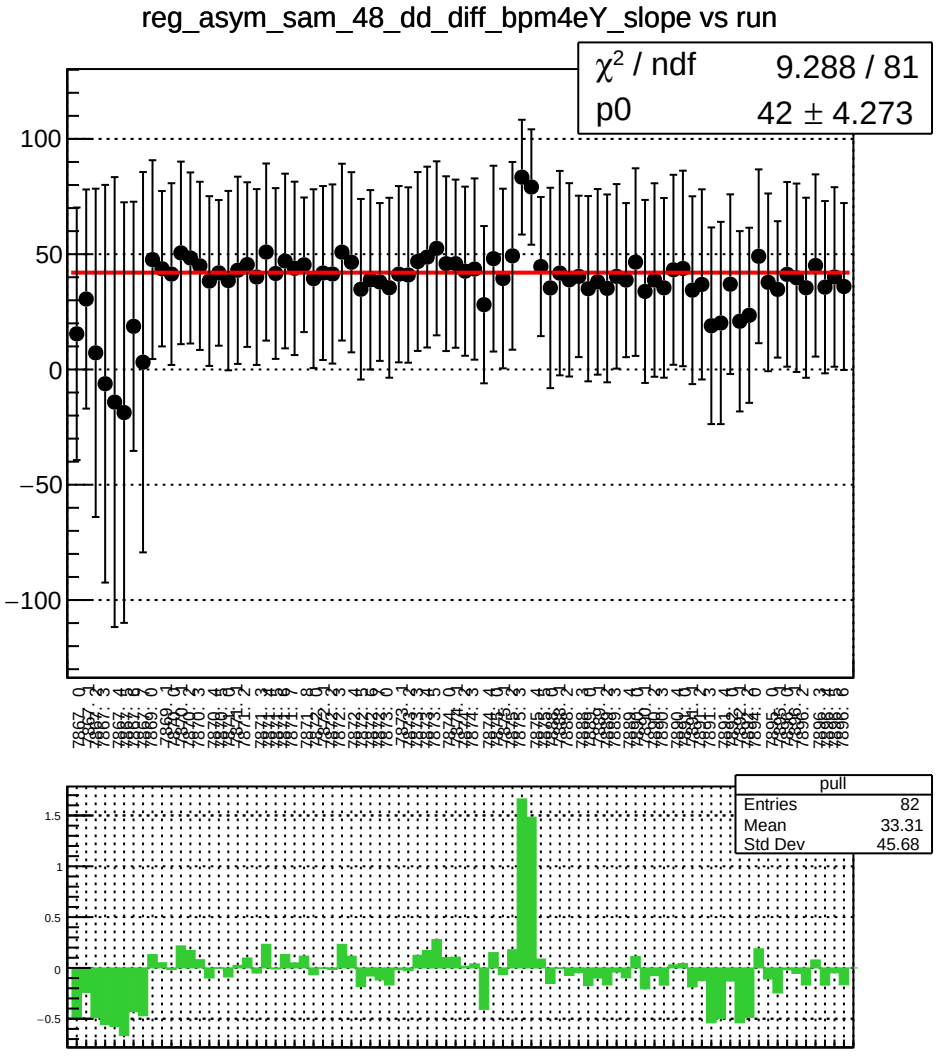

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 26.26 / 81
p0 −2.653 ± 0.168
pull
Entries 82
Mean −38.95
Std Dev 63.71
pull1D
Entries 82
Mean −0.05619
Std Dev 0.5631

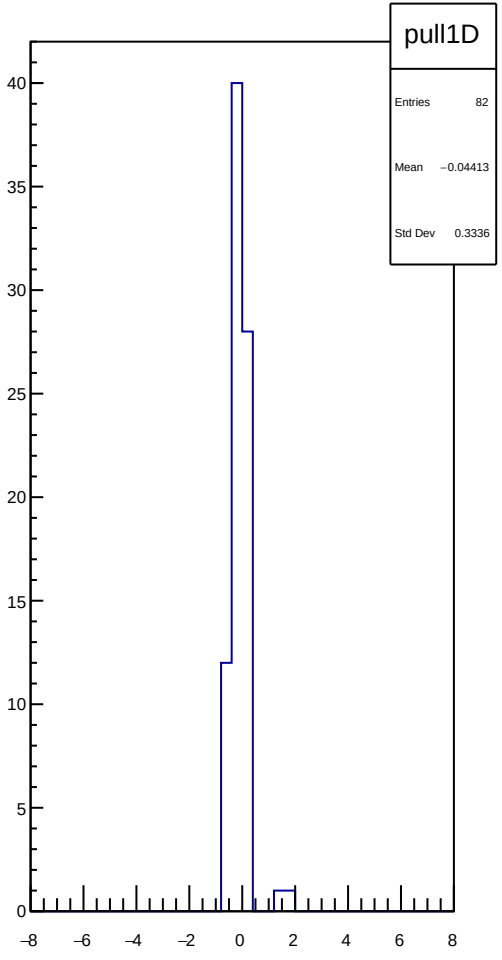

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 68.64 / 81
p0 −55.97 ± 3.322
pull
Entries 82
Mean 26.06
Std Dev 30.26
pull1D
Entries 82
Mean −0.2891
Std Dev 0.868

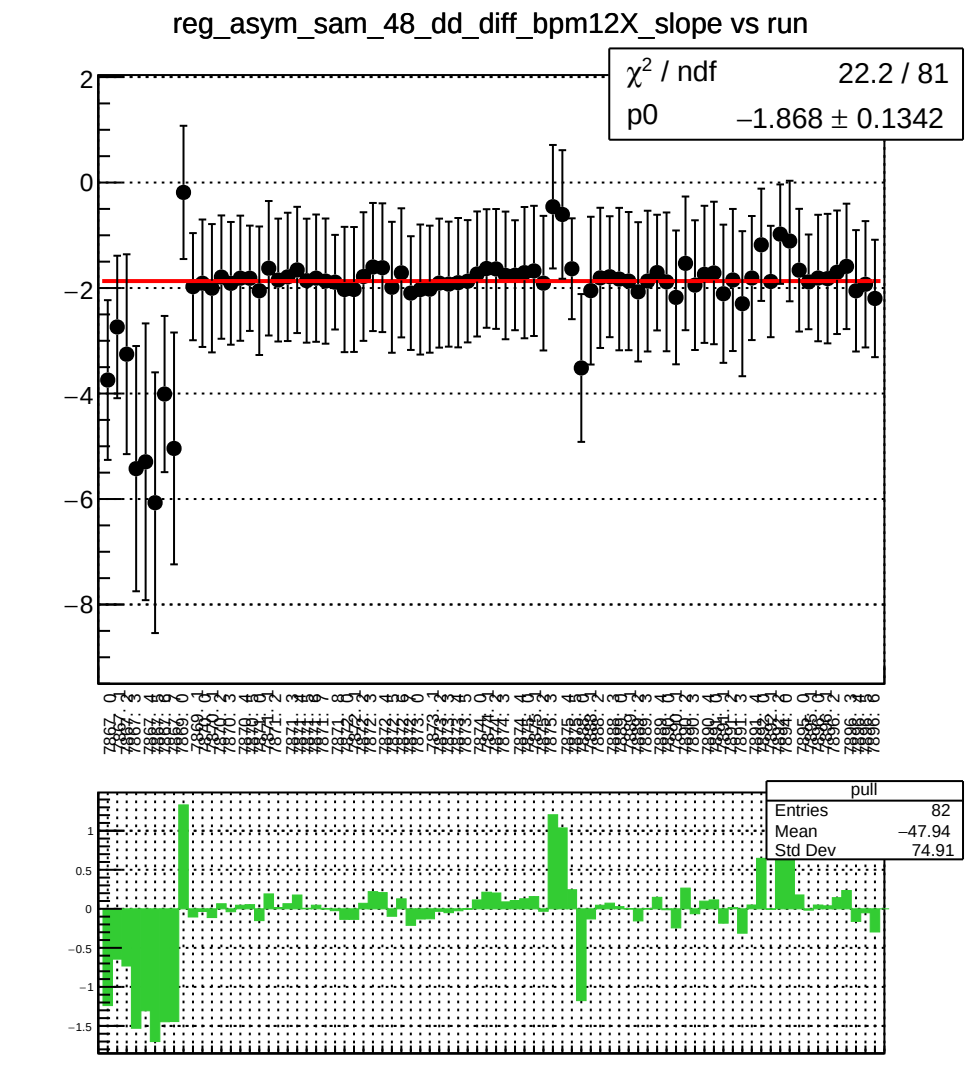

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.59 / 81
p0 70.51 ± 3.682
pull
Entries 82
Mean 24.55
Std Dev 35.08
pull1D
Entries 82
Mean 0.06529
Std Dev 0.3863

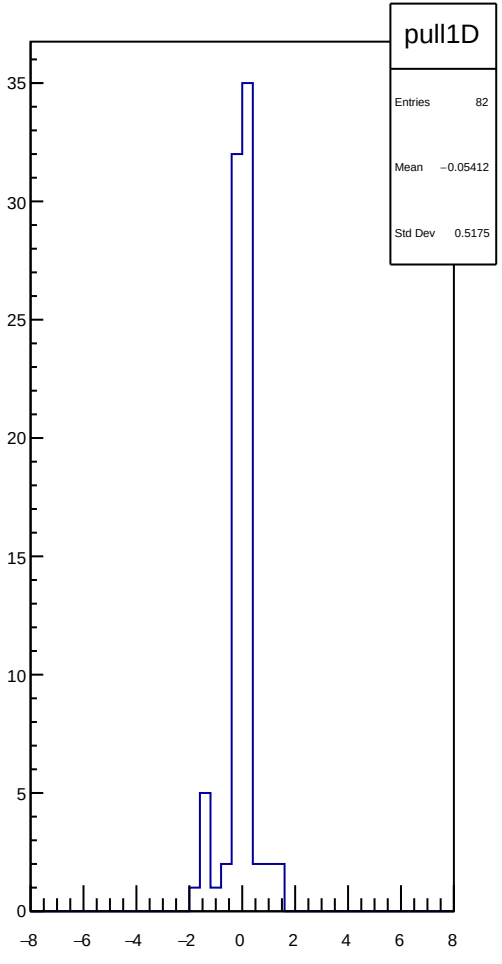

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.73 / 81
p0 −42.26 ± 2.797
150
100
50
0
−50
−100
pull
Entries 82
Mean 29.79
Std Dev 30.25
2
1
0
−1
−2
−3
−4

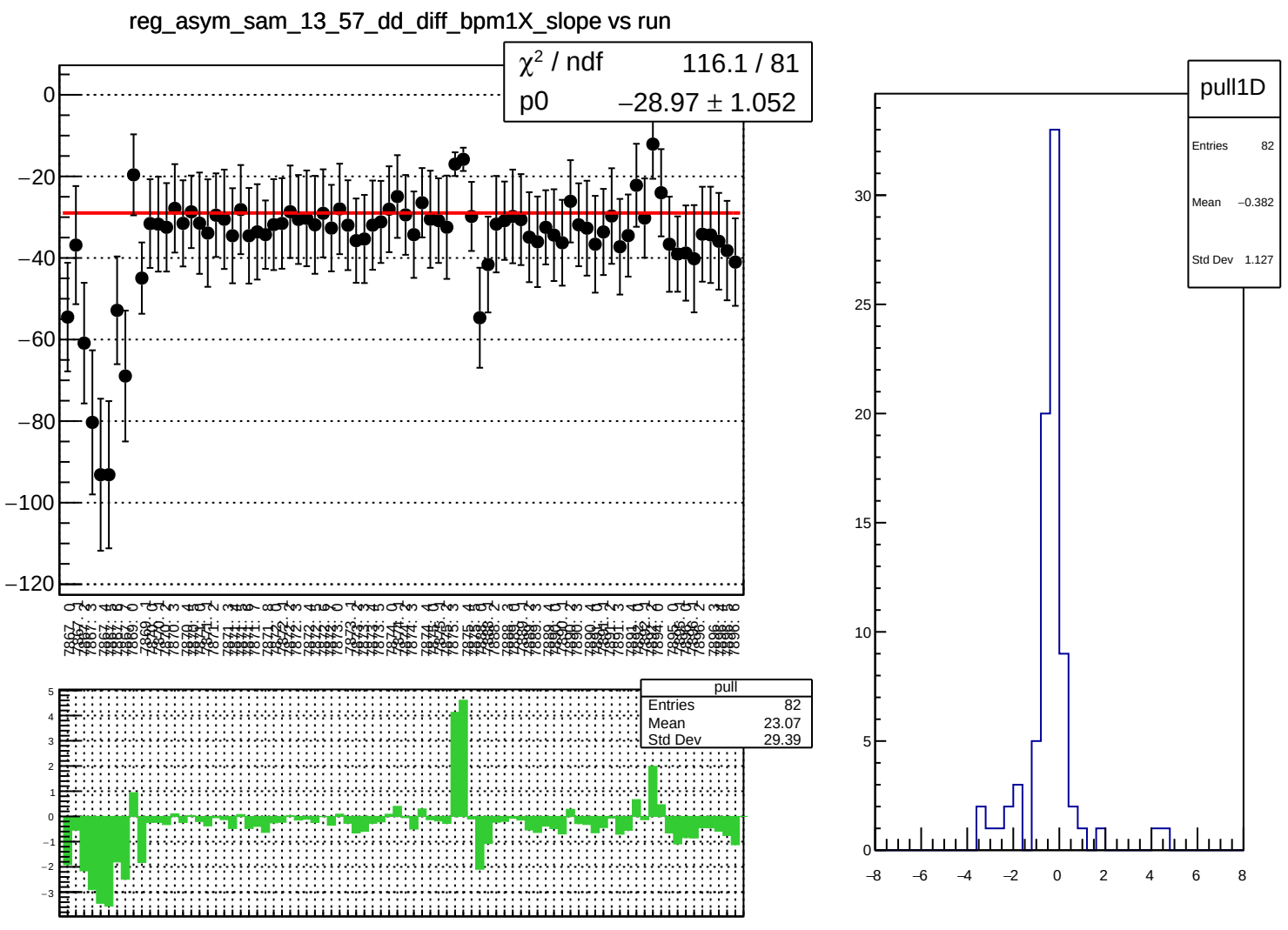

pull1D
Entries 82
Mean 0.3544
Std Dev 0.9001
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

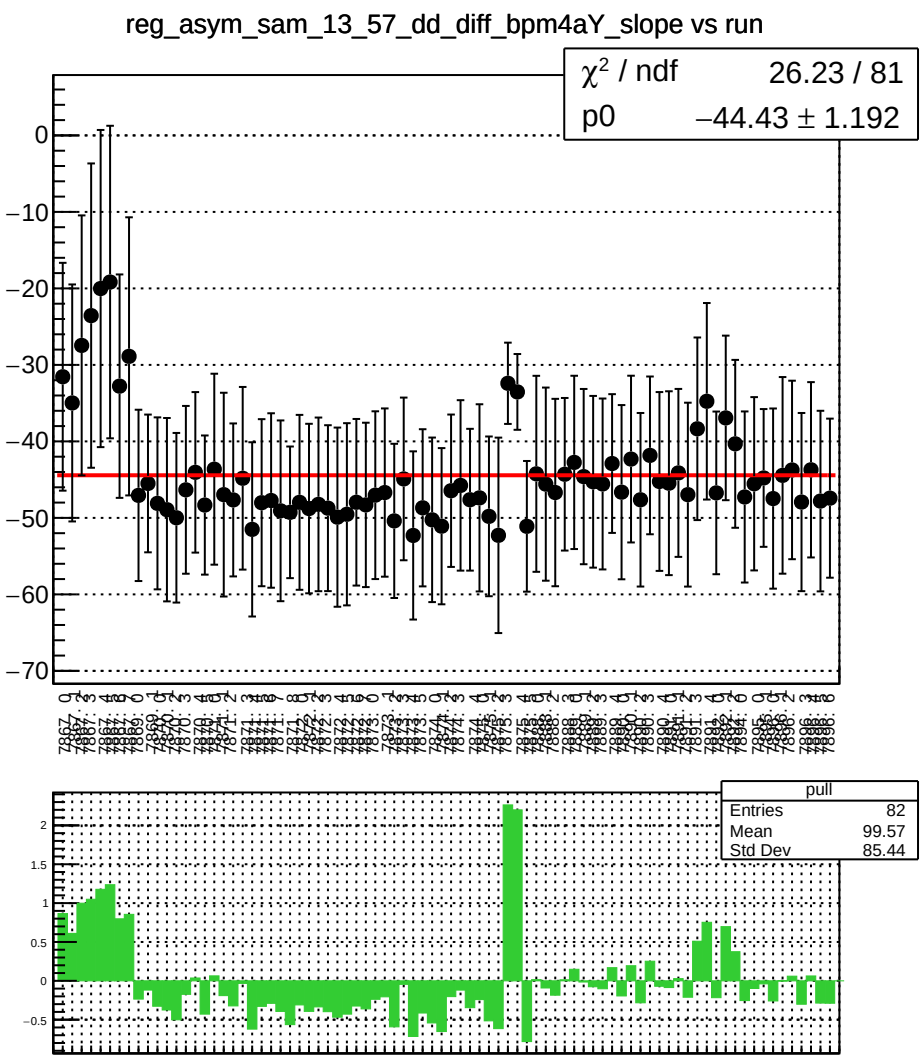

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.288 / 81
p0 42 ± 4.273
pull
Entries 82
Mean 33.31
Std Dev 45.68

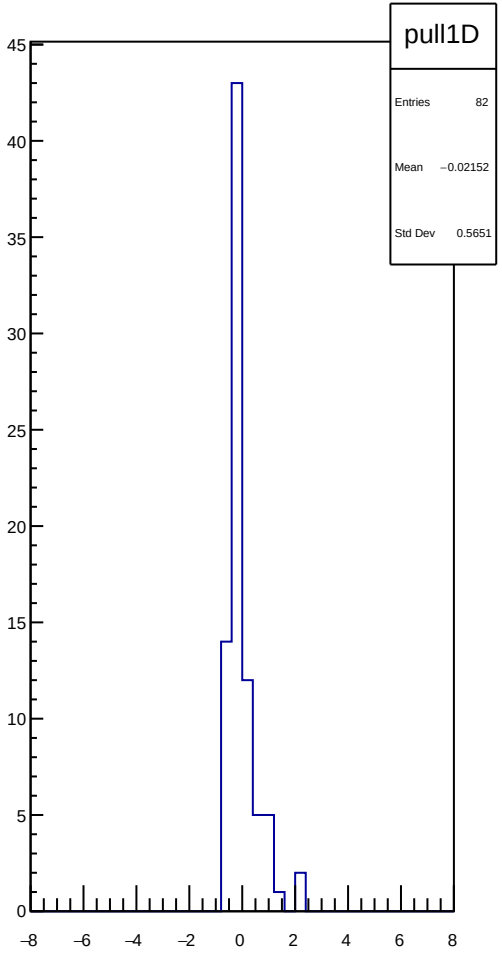

pull1D
Entries 82
Mean −0.04413
Std Dev 0.3336

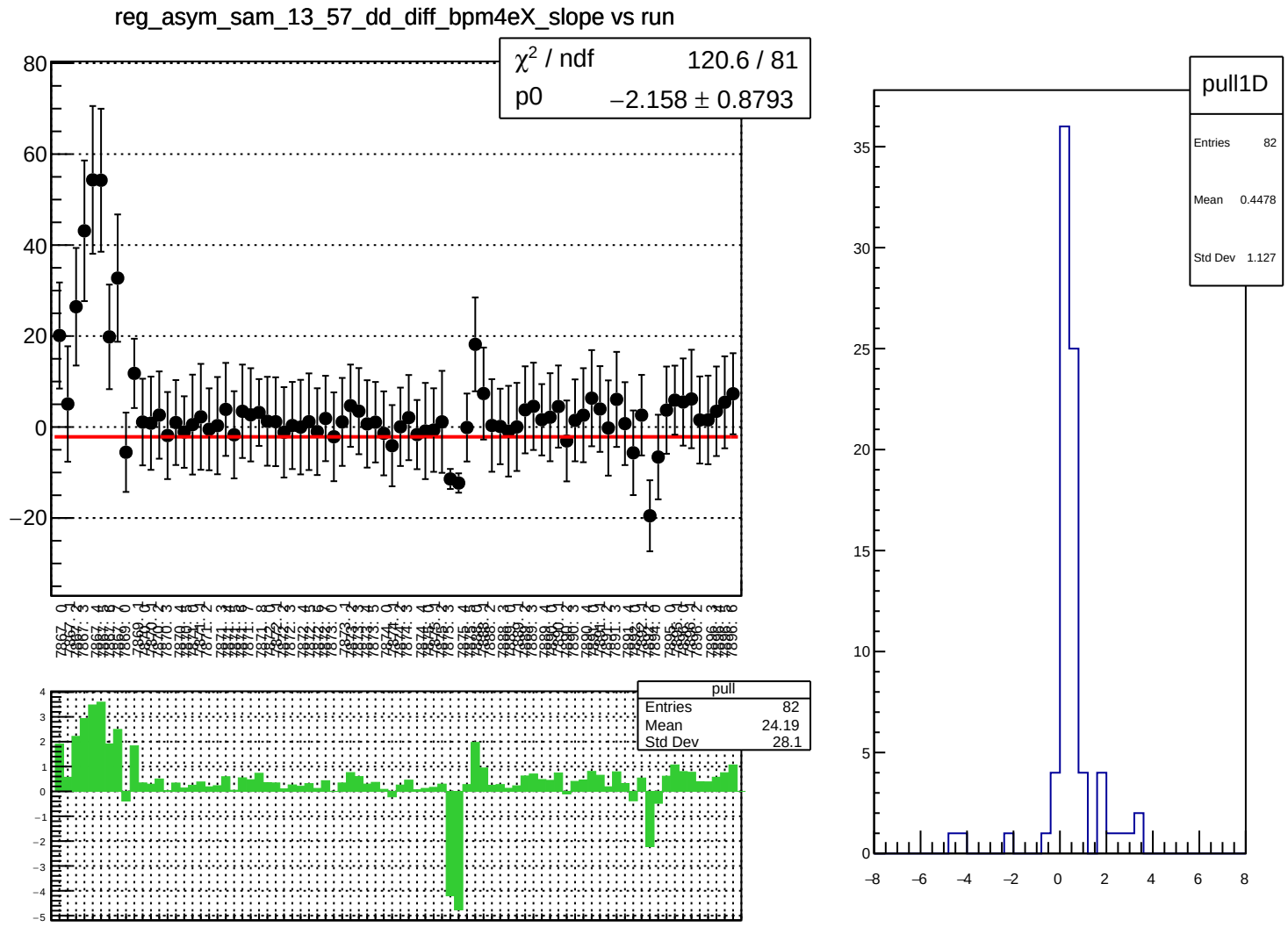

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 22.2 / 81
p0 −1.868 ± 0.1342
pull
Entries 82
Mean −47.94
Std Dev 74.91

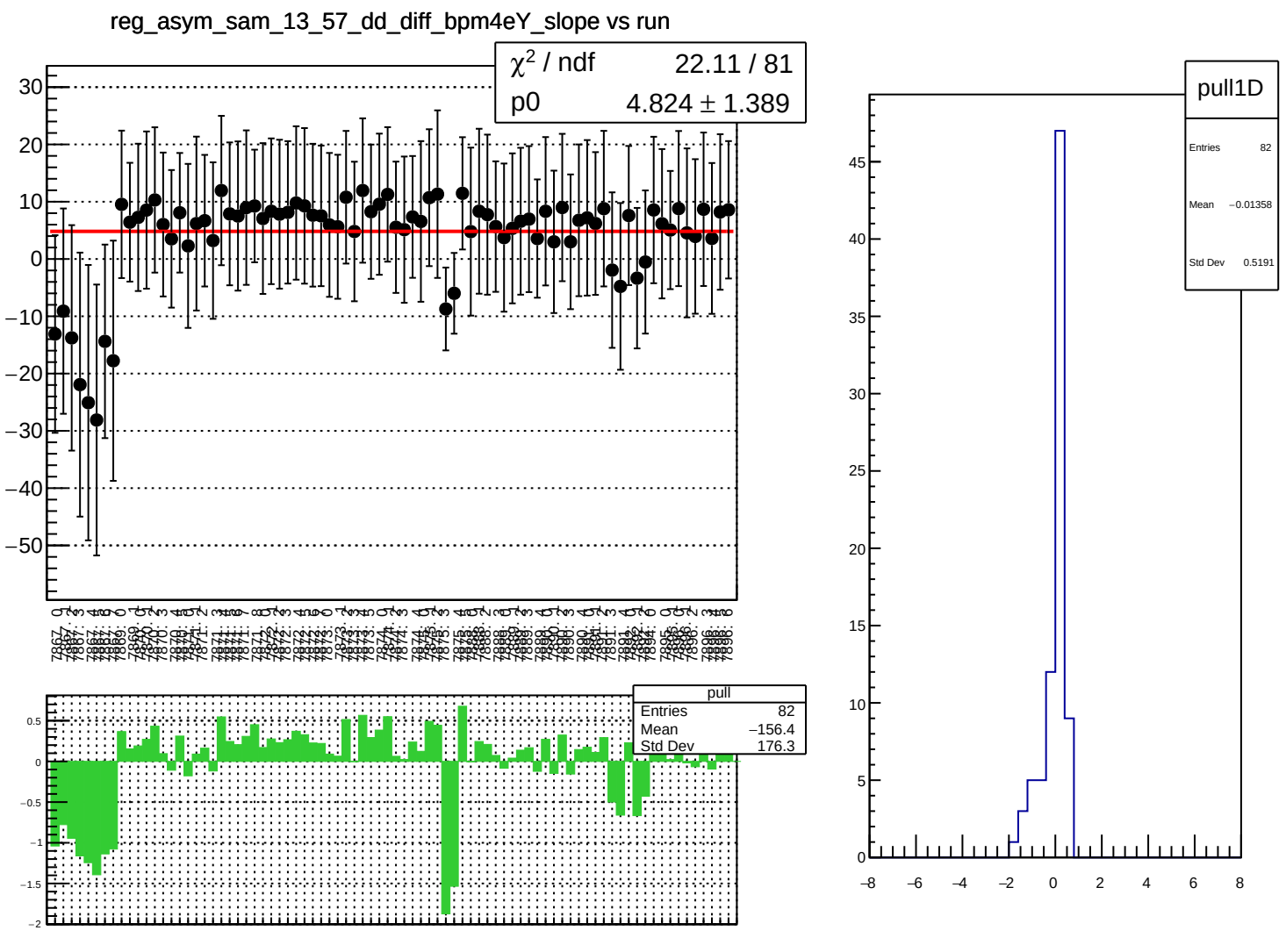

pull1D
Entries 82
Mean −0.05412
Std Dev 0.5175

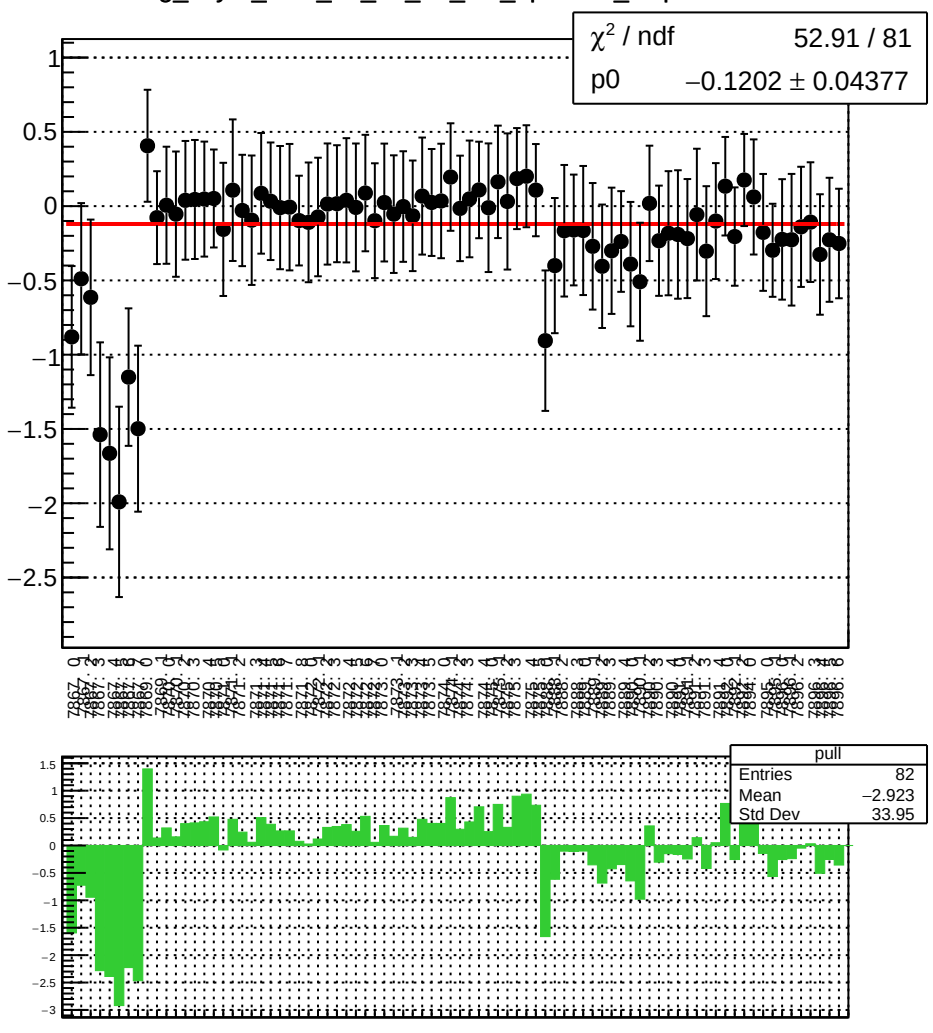

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 116.1 / 81
p0 −28.97 ± 1.052
pull
Entries 82
Mean 23.07
Std Dev 29.39
pull1D
Entries 82
Mean −0.382
Std Dev 1.127

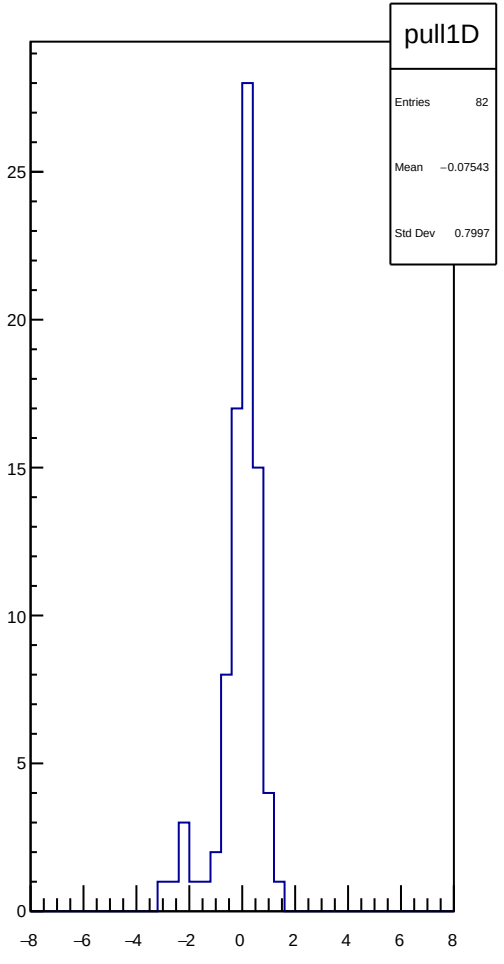

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.23 / 81
p0 −44.43 ± 1.192
pull
Entries 82
Mean 99.57
Std Dev 85.44

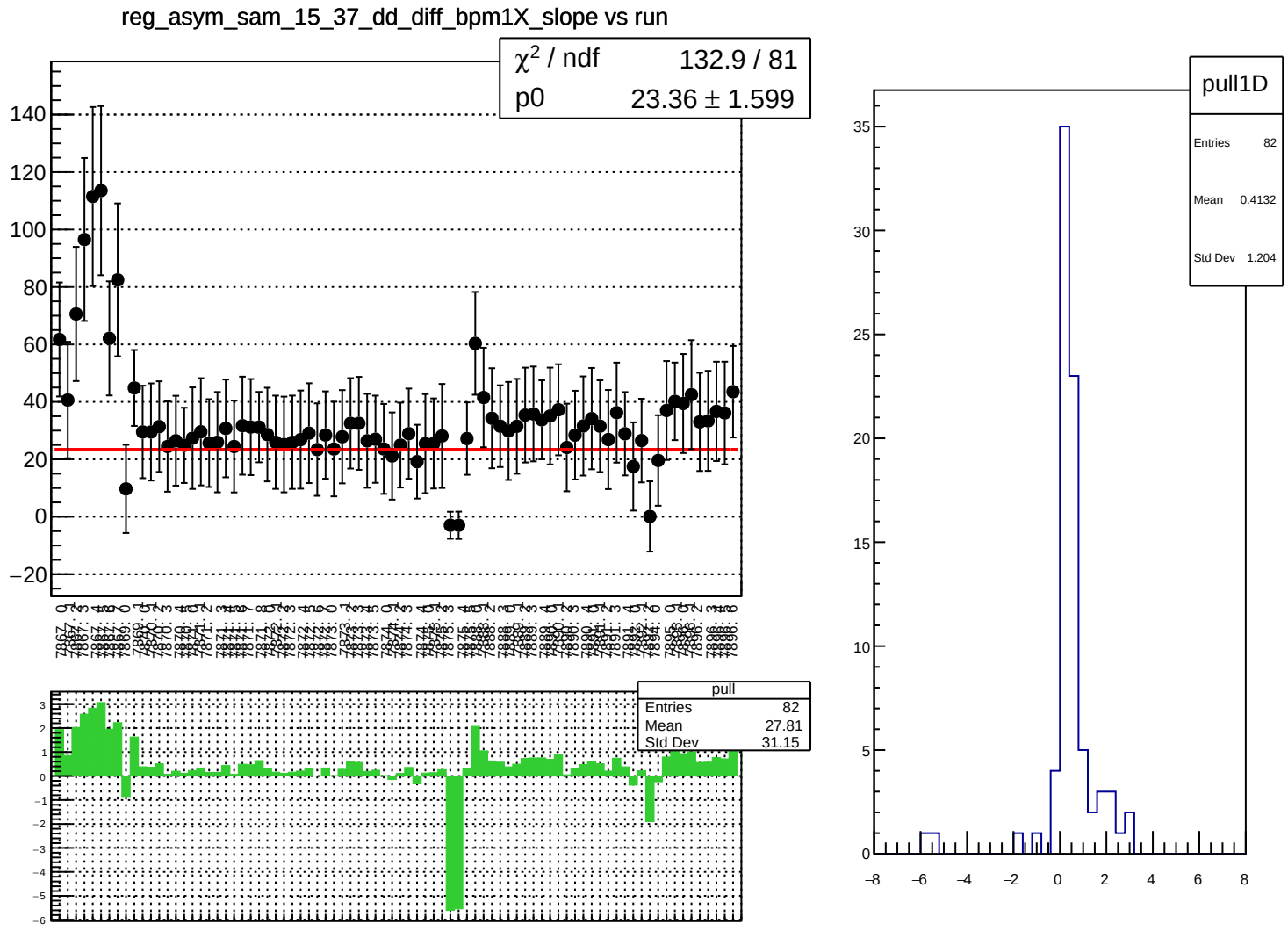

pull1D
Entries 82
Mean −0.02152
Std Dev 0.5651

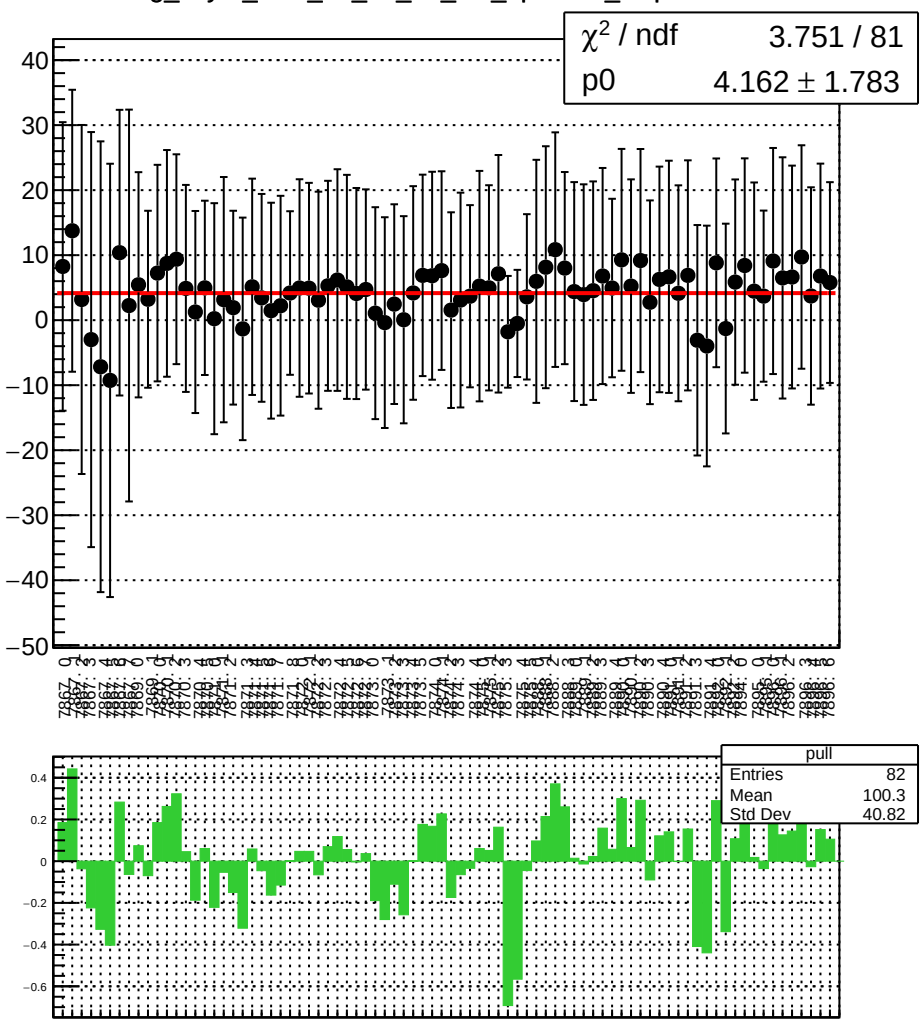

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 120.6 / 81
p0 −2.158 ± 0.8793
pull
Entries 82
Mean 24.19
Std Dev 28.1
pull1D
Entries 82
Mean 0.4478
Std Dev 1.127

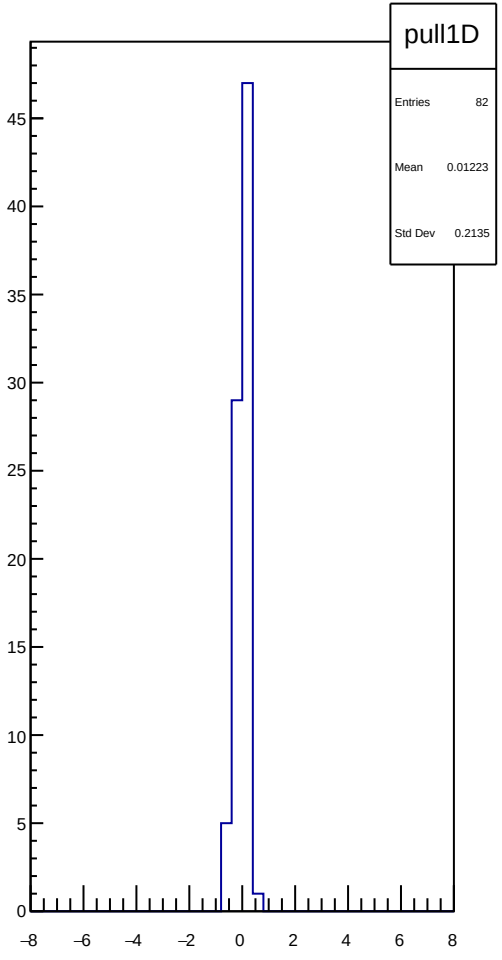

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.11 / 81
p0 4.824 ± 1.389
pull
Entries 82
Mean −156.4
Std Dev 176.3
pull1D
Entries 82
Mean −0.01358
Std Dev 0.5191

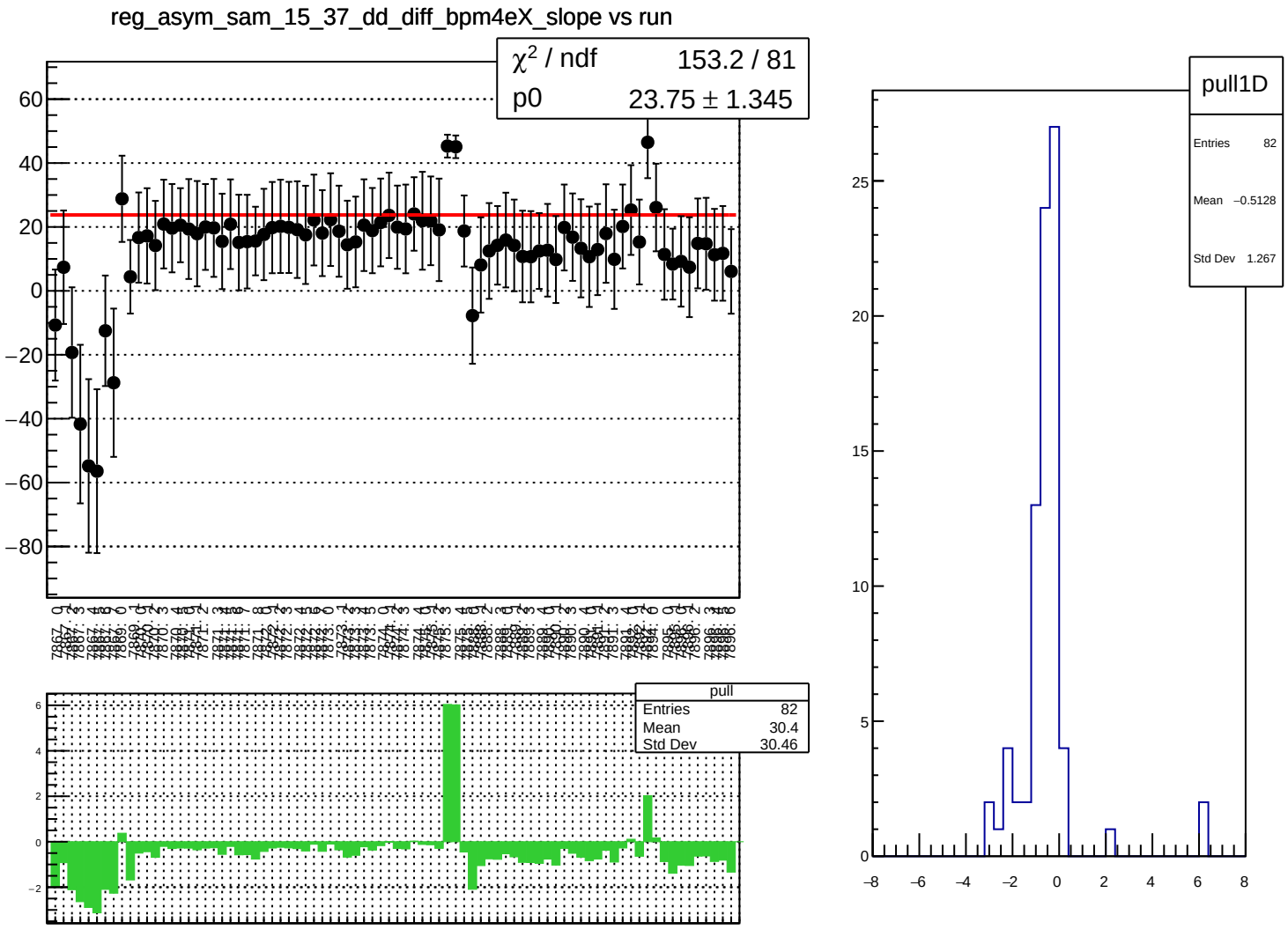

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 52.91 / 81
p0 −0.1202 ± 0.04377
pull
Entries 82
Mean −2.923
Std Dev 33.95

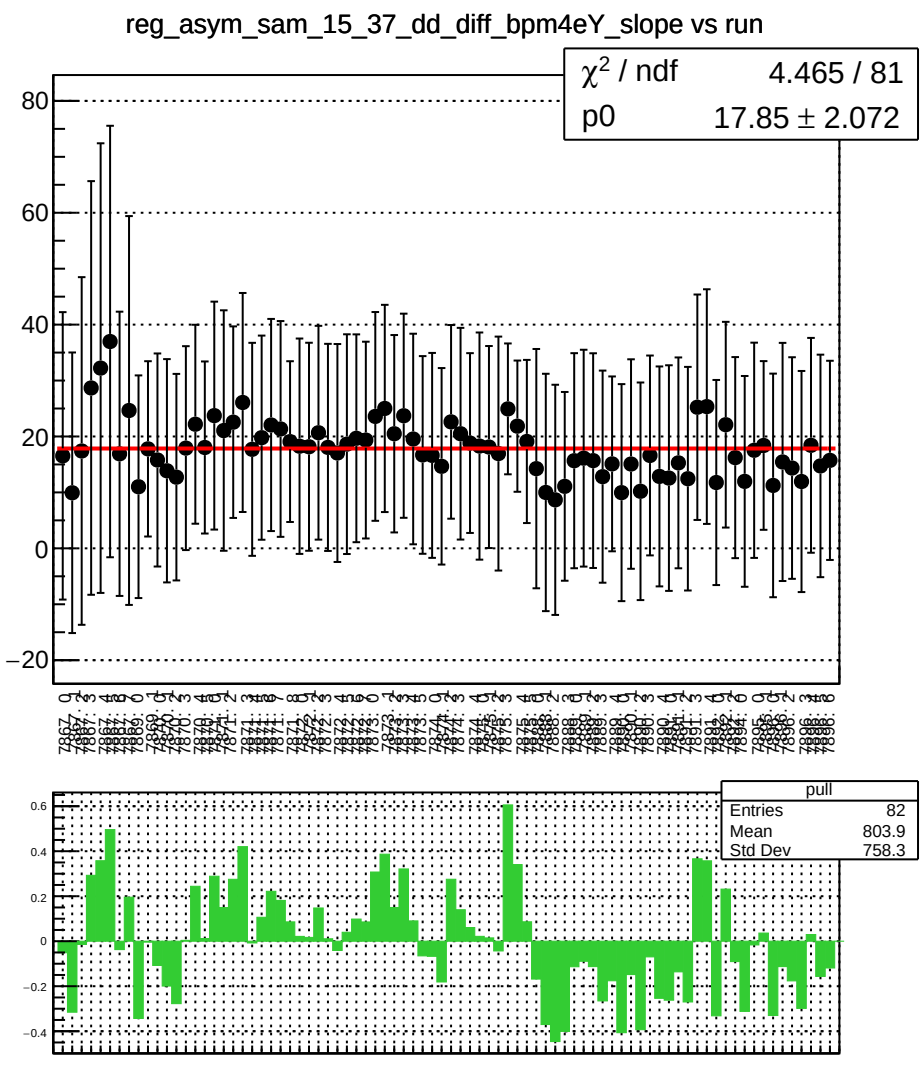

pull1D
Entries 82
Mean −0.07543
Std Dev 0.7997

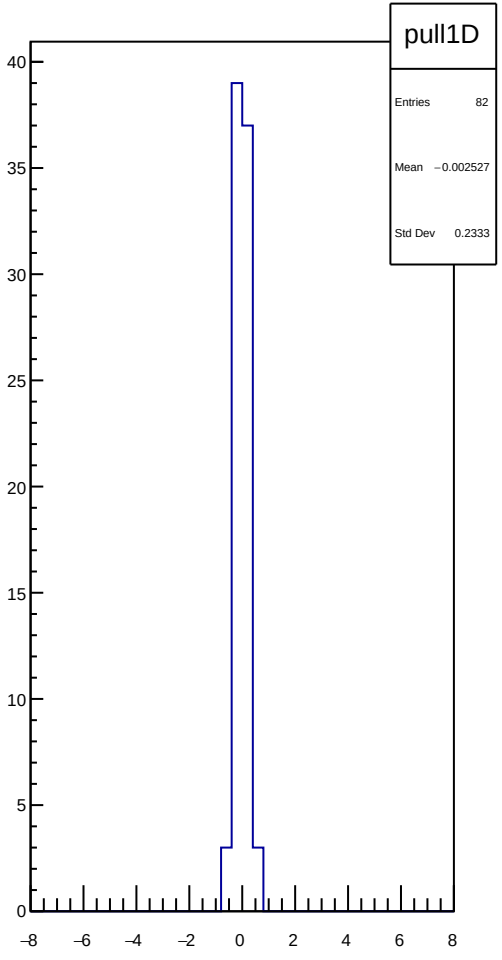

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 132.9 / 81
p0 23.36 ± 1.599
pull
Entries 82
Mean 27.81
Std Dev 31.15
pull1D
Entries 82
Mean 0.4132
Std Dev 1.204

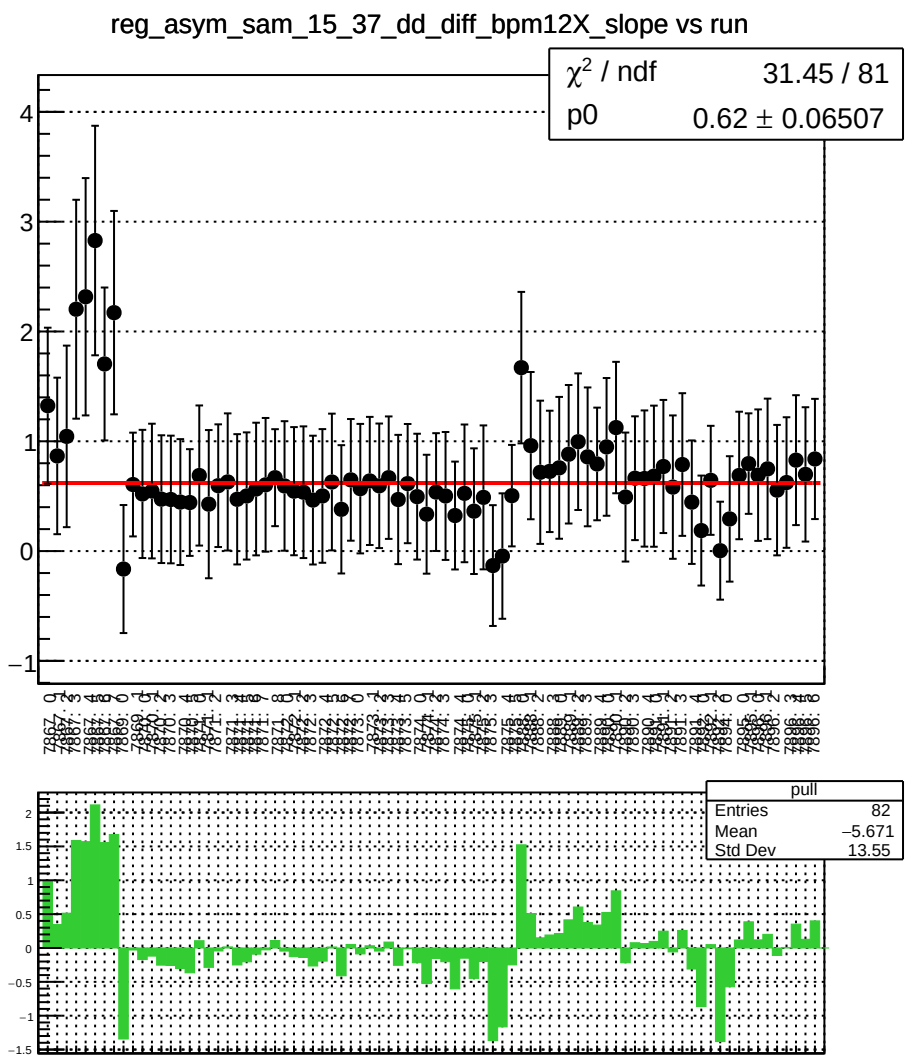

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.751 / 81
p0 4.162 ± 1.783
pull
Entries 82
Mean 100.3
Std Dev 40.82

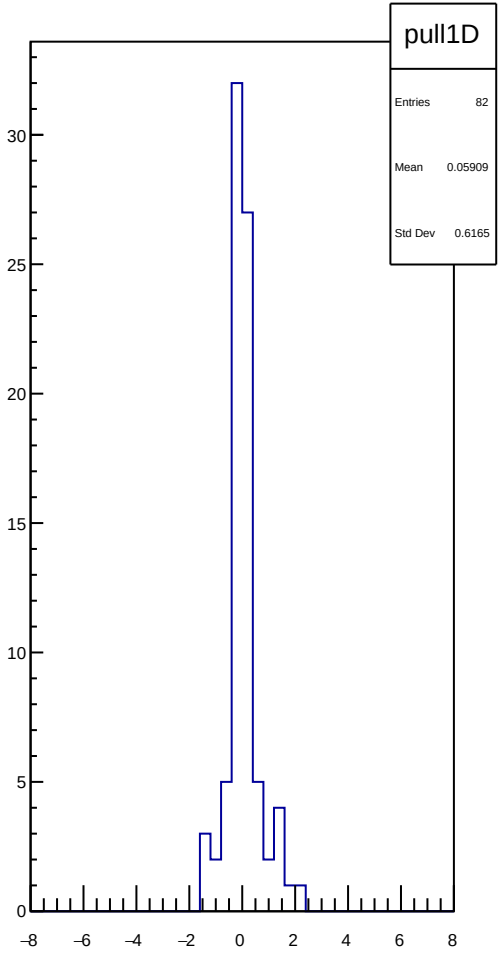

pull1D
Entries 82
Mean 0.01223
Std Dev 0.2135

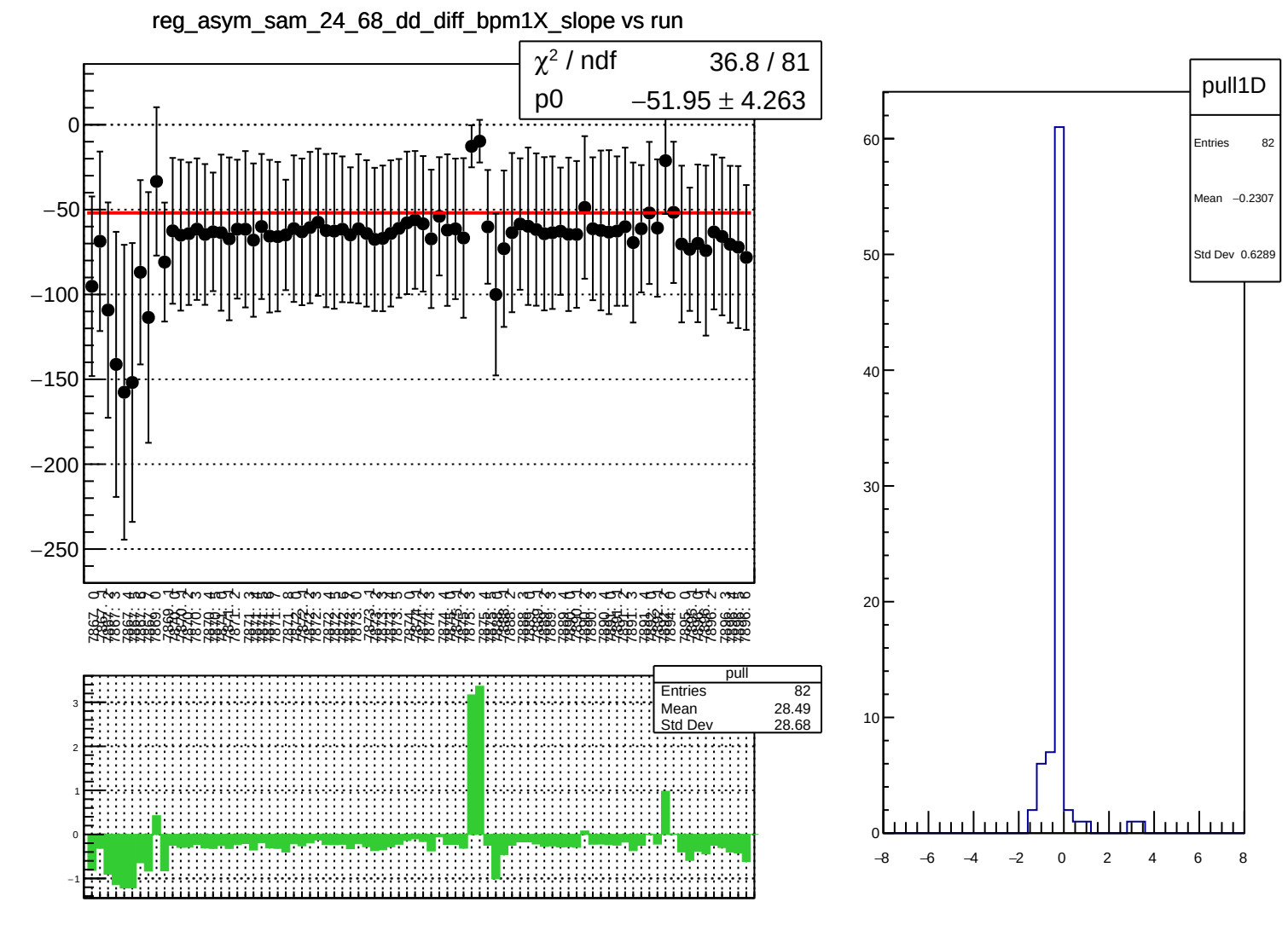

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 153.2 / 81
p0 23.75 ± 1.345
pull
Entries 82
Mean 30.4
Std Dev 30.46
pull1D
Entries 82
Mean −0.5128
Std Dev 1.267

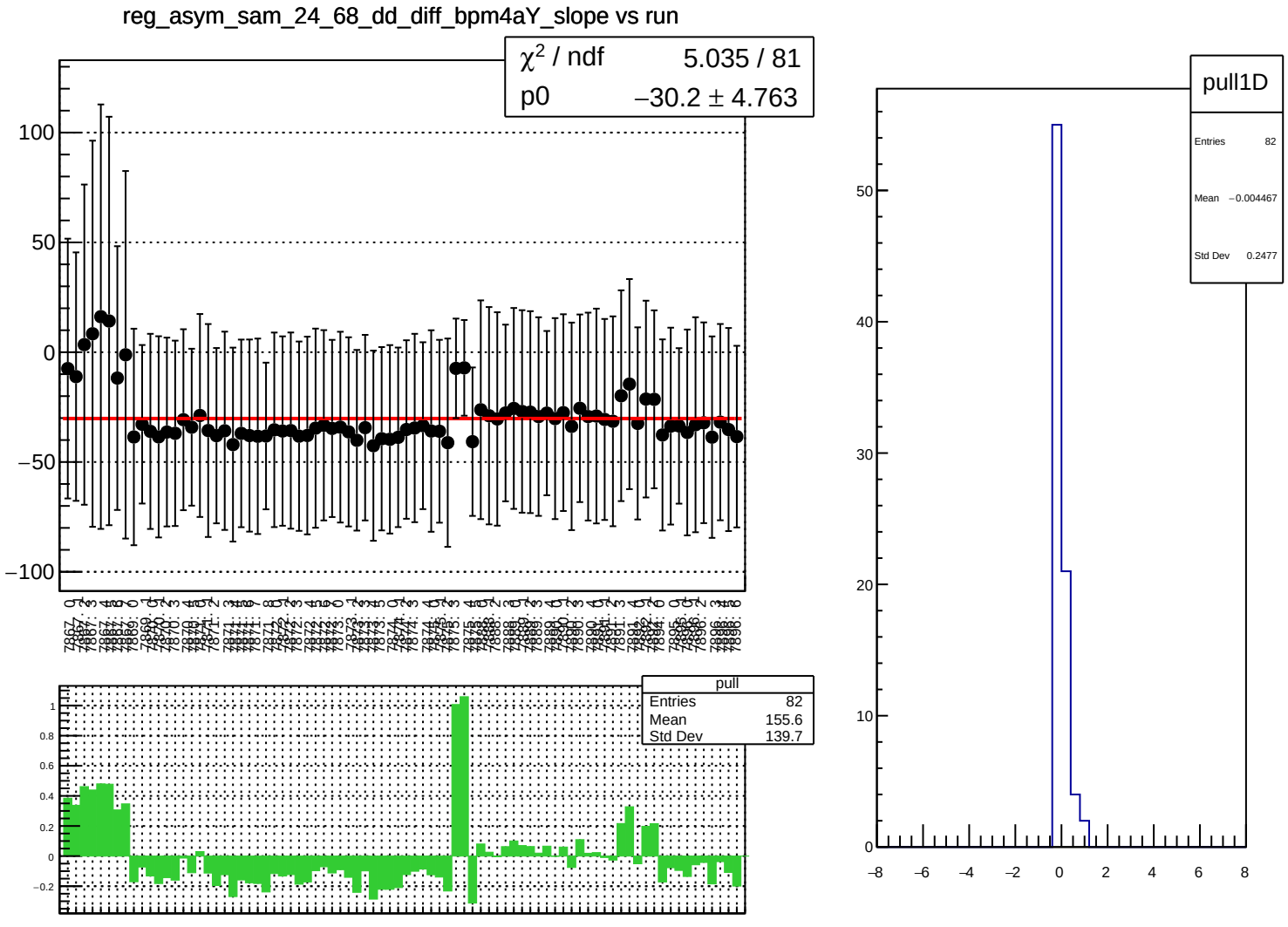

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.465 / 81
p0 17.85 ± 2.072
pull
Entries 82
Mean 803.9
Std Dev 758.3

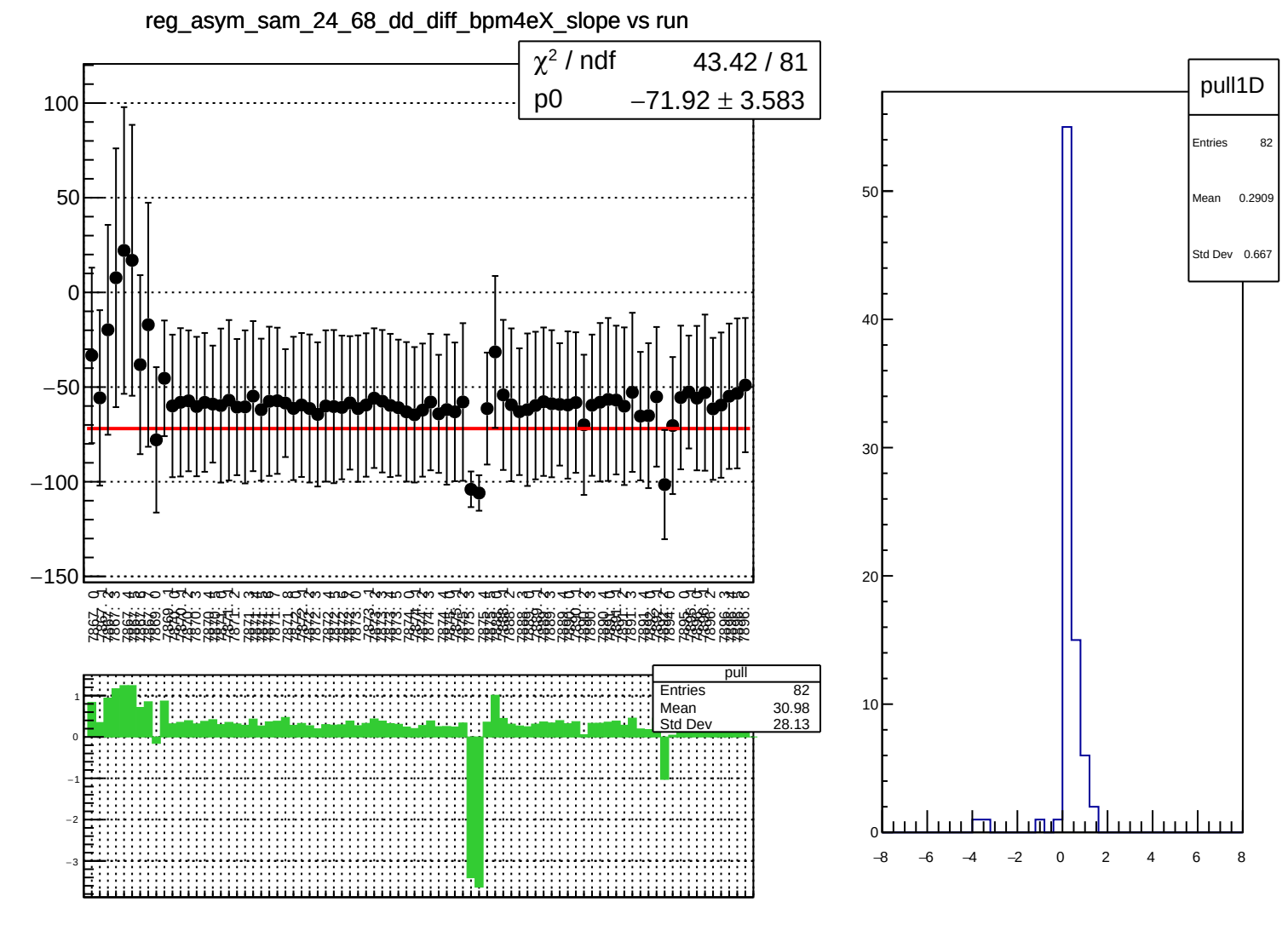

pull1D
Entries 82
Mean −0.002527
Std Dev 0.2333

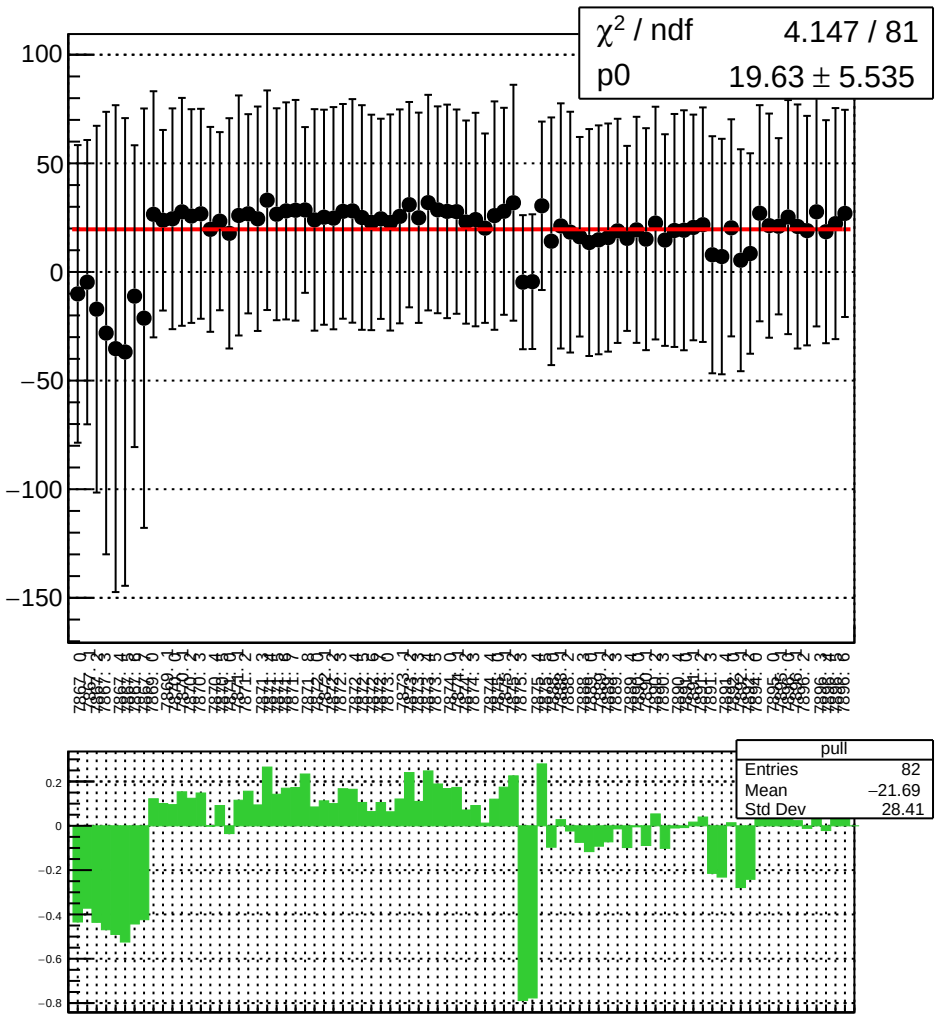

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 31.45 / 81
p0 0.62 ± 0.06507
pull
Entries 82
Mean −5.671
Std Dev 13.55

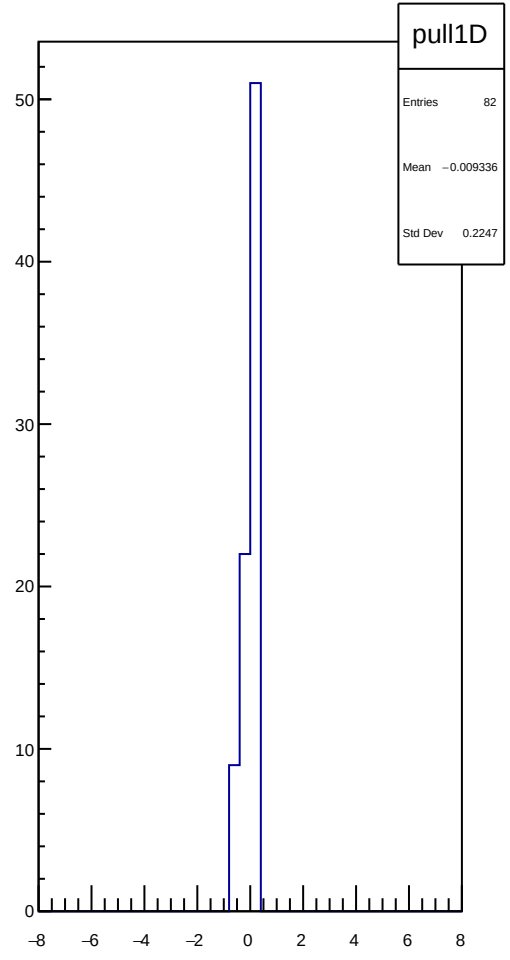

pull1D
Entries 82
Mean 0.05909
Std Dev 0.6165

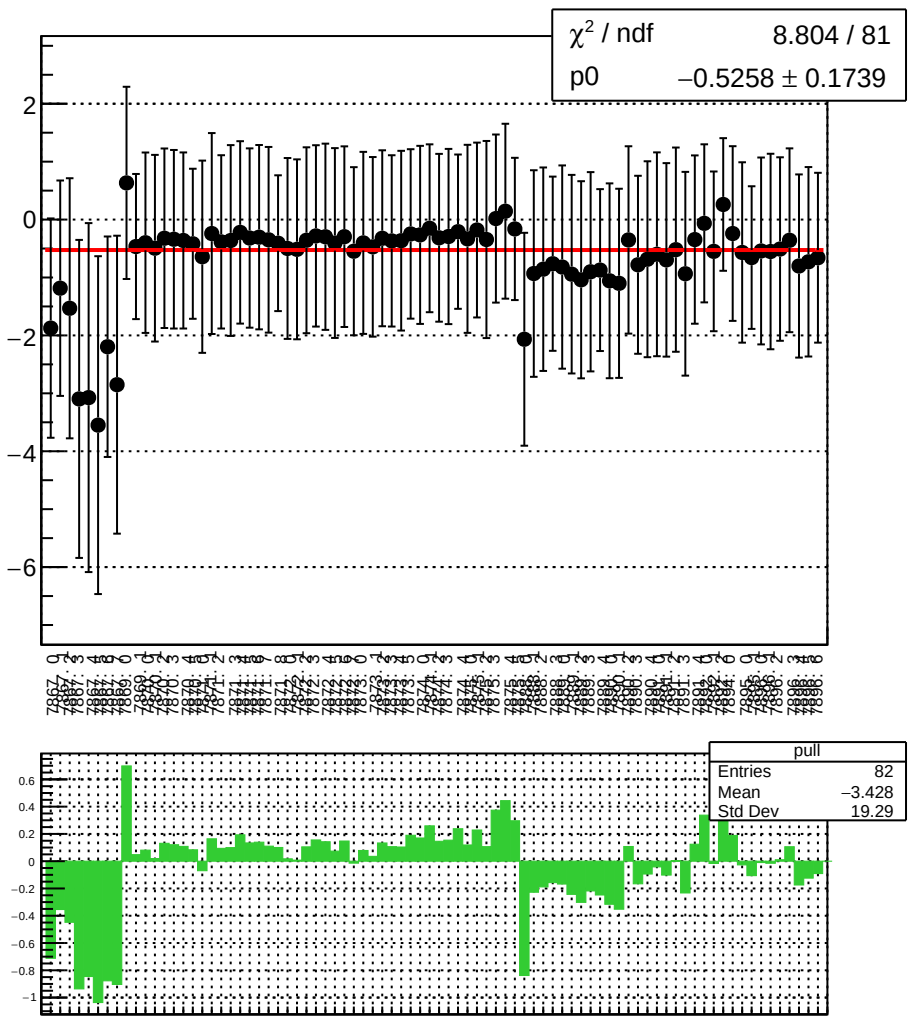

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 36.8 / 81
p0 −51.95 ± 4.263
pull
Entries 82
Mean 28.49
Std Dev 28.68
pull1D
Entries 82
Mean −0.2307
Std Dev 0.6289

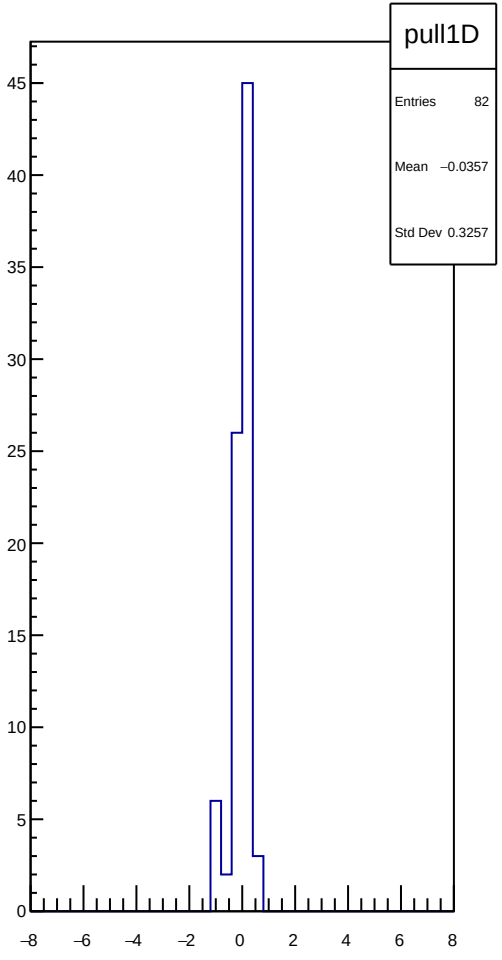

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.035 / 81
p0 −30.2 ± 4.763
pull
Entries 82
Mean 155.6
Std Dev 139.7
pull1D
Entries 82
Mean −0.004467
Std Dev 0.2477

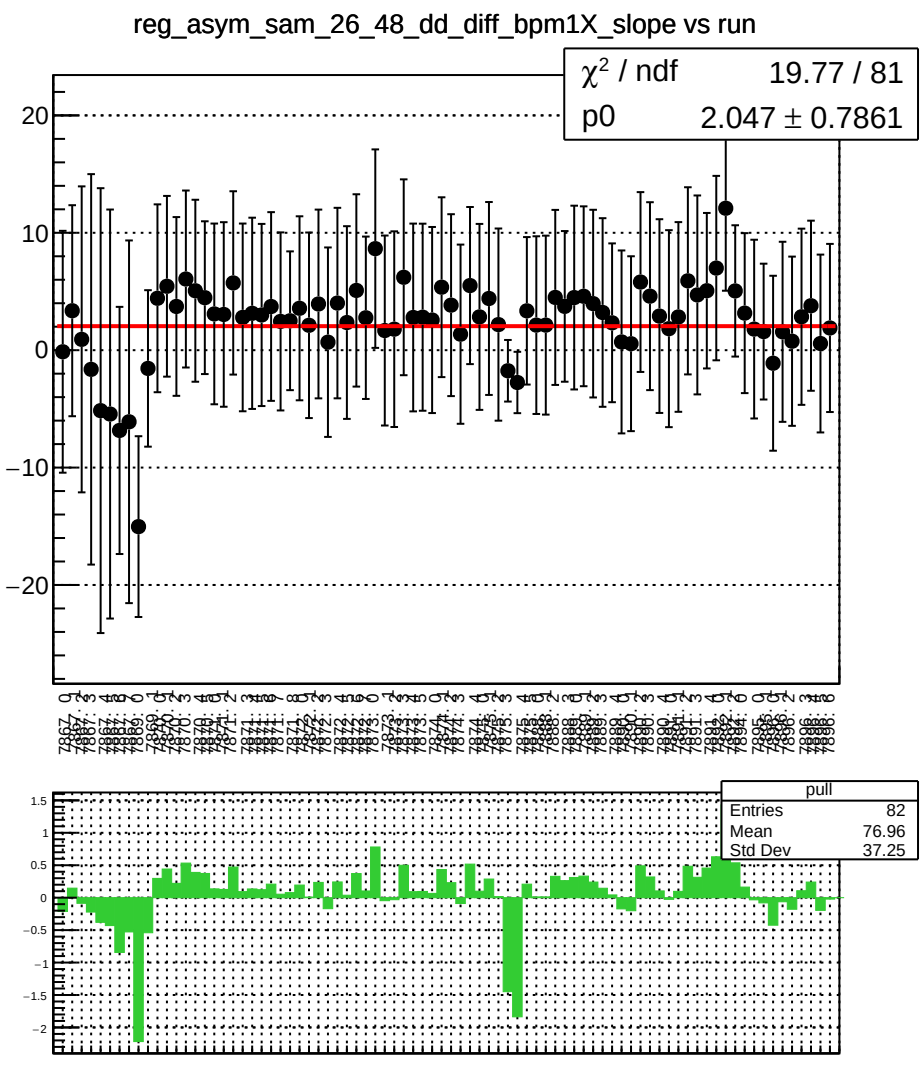

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.42 / 81
p0 −71.92 ± 3.583
pull
Entries 82
Mean 30.98
Std Dev 28.13
pull1D
Entries 82
Mean 0.2909
Std Dev 0.667

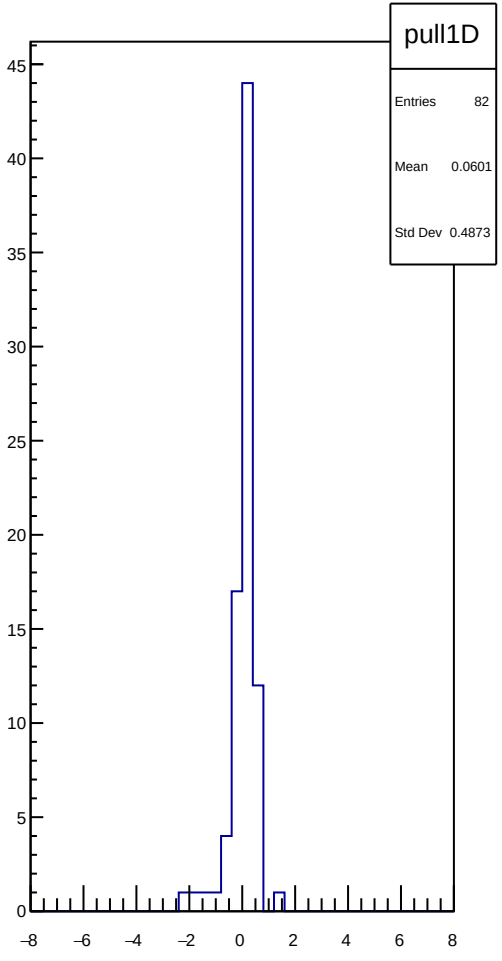

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.147 / 81
p0 19.63 ± 5.535
pull
Entries 82
Mean −21.69
Std Dev 28.41

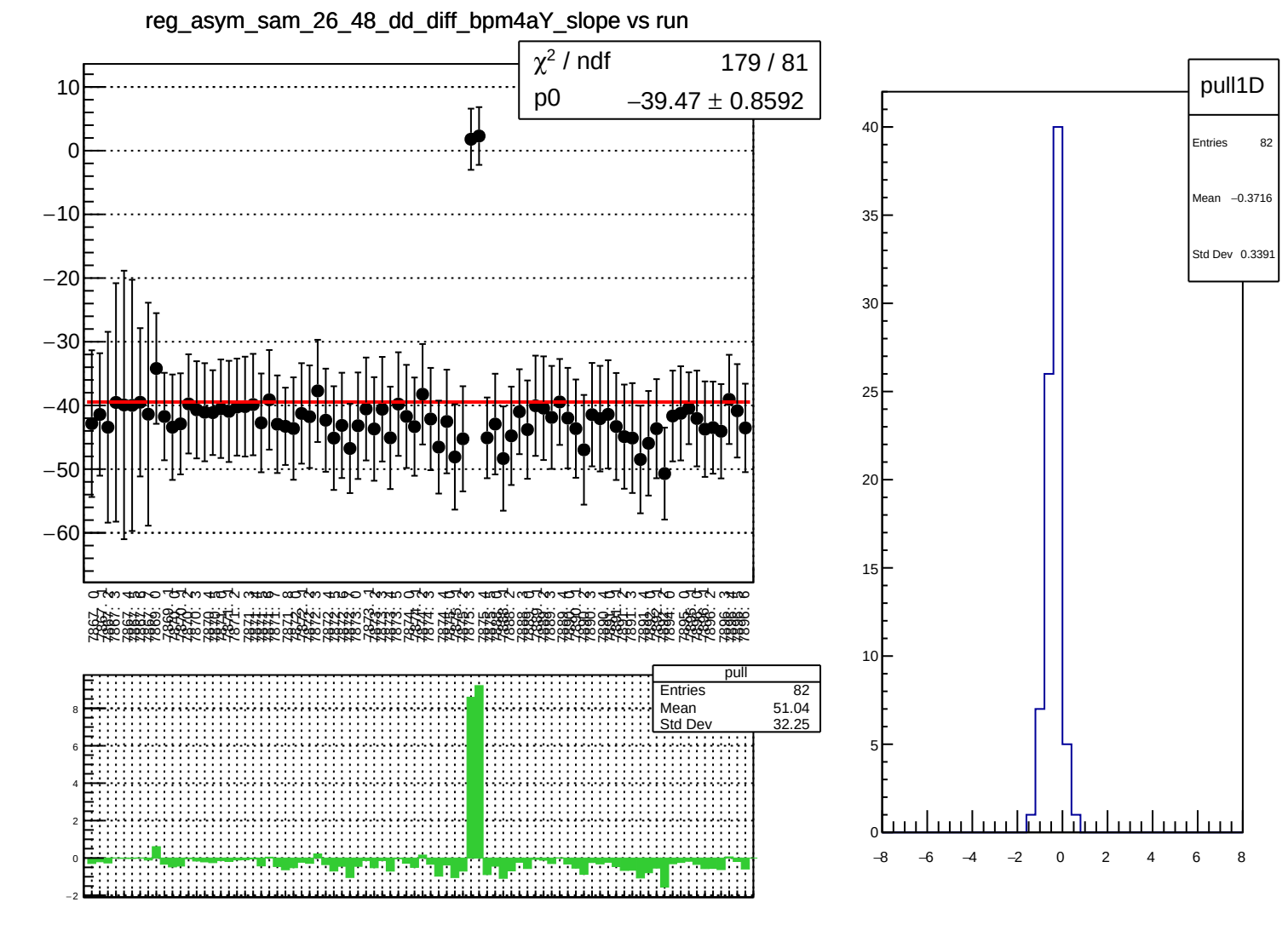

pull1D
Entries 82
Mean −0.009336
Std Dev 0.2247

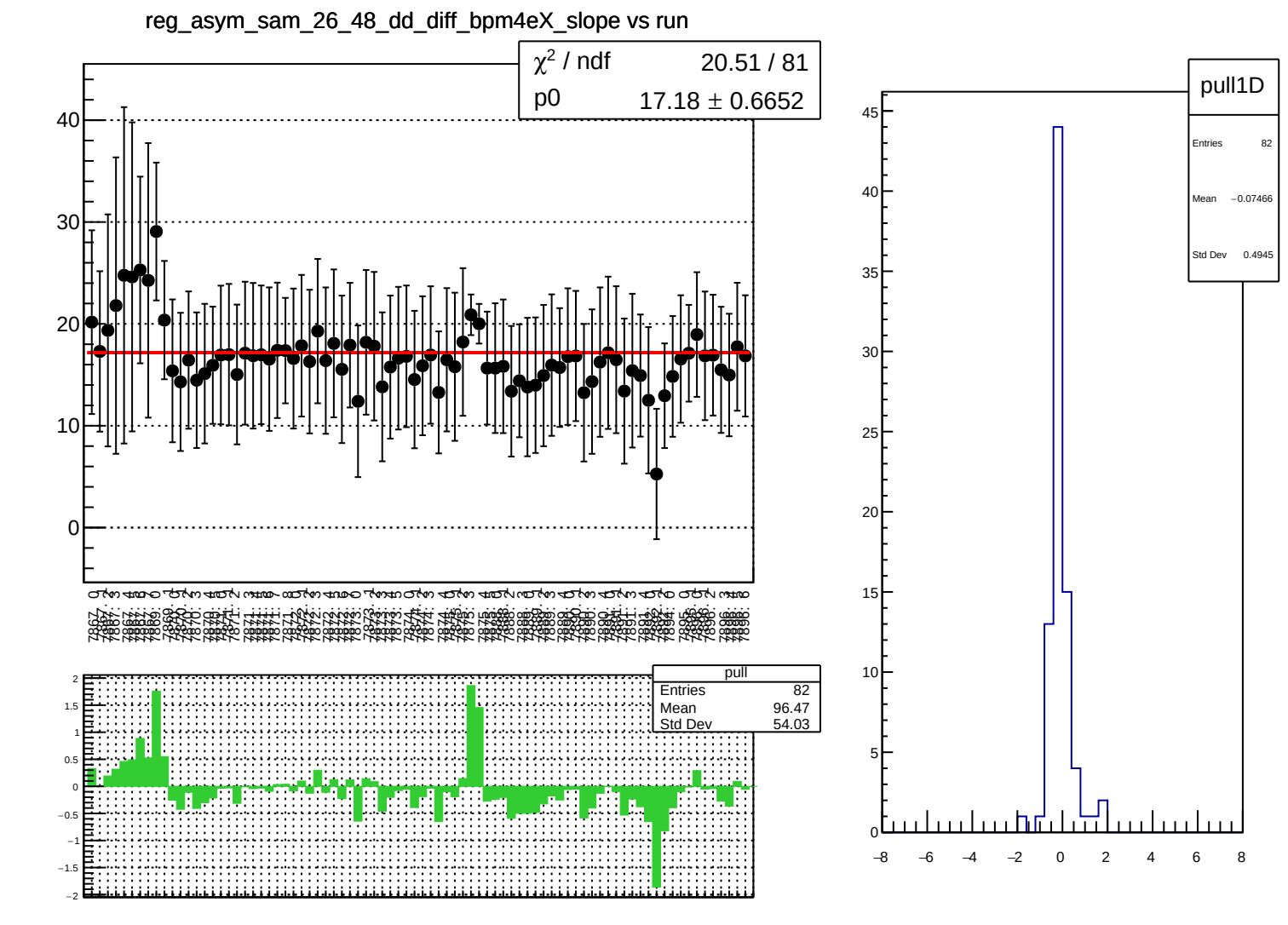

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 8.804 / 81
p0 −0.5258 ± 0.1739
pull
Entries 82
Mean −3.428
Std Dev 19.29

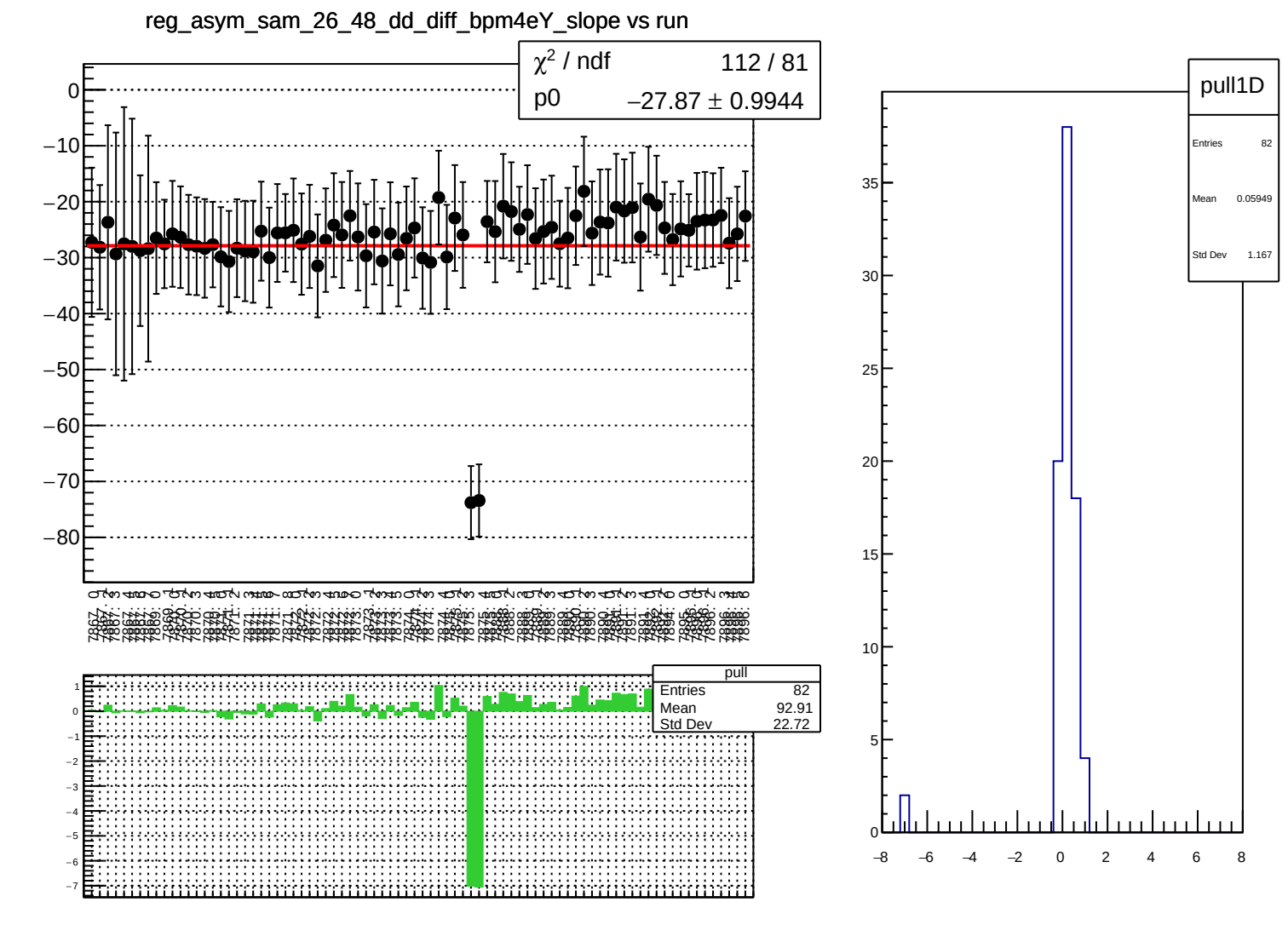

pull1D
Entries 82
Mean −0.0357
Std Dev 0.3257

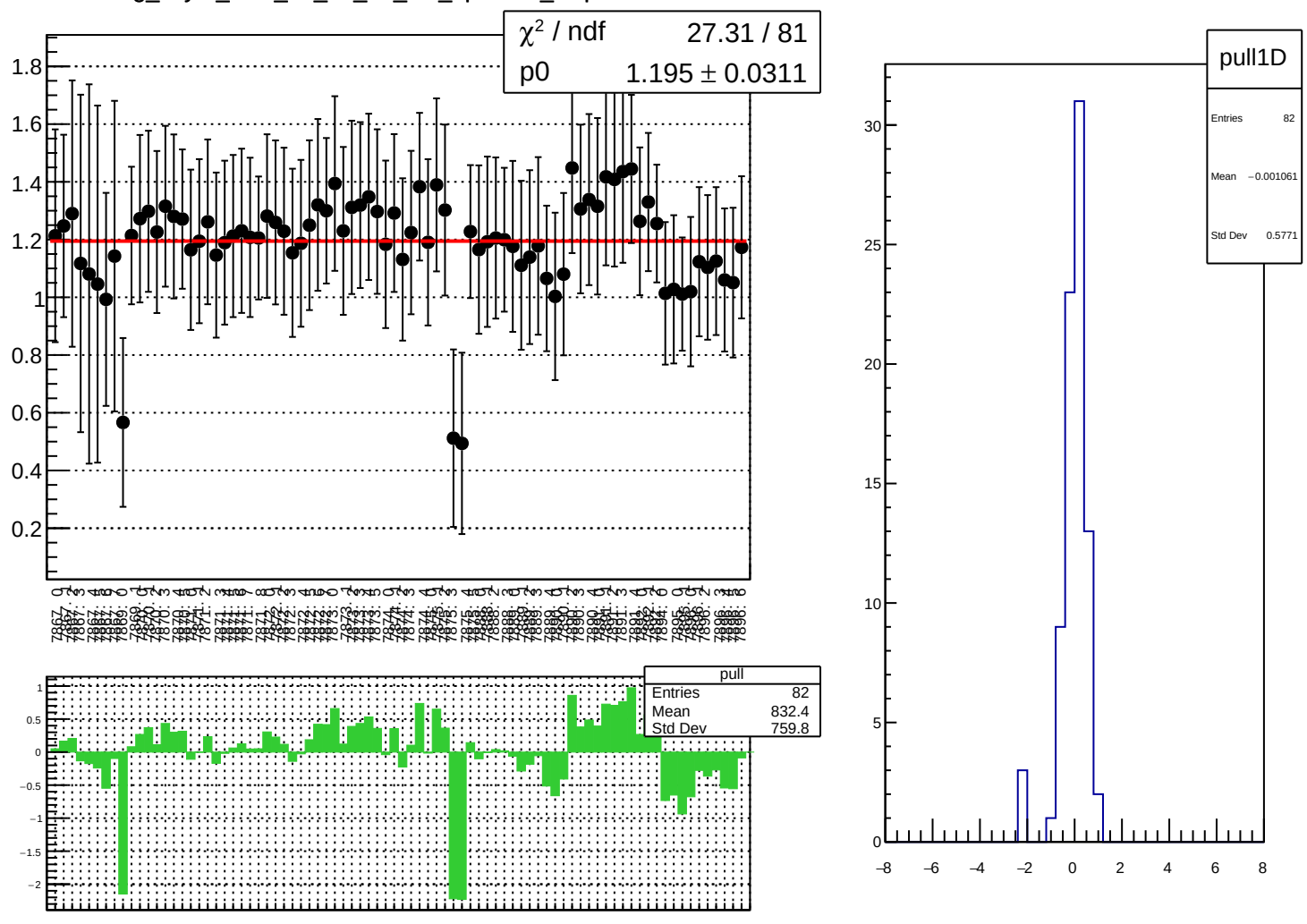

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 19.77 / 81
p0 2.047 ± 0.7861
pull
Entries 82
Mean 76.96
Std Dev 37.25

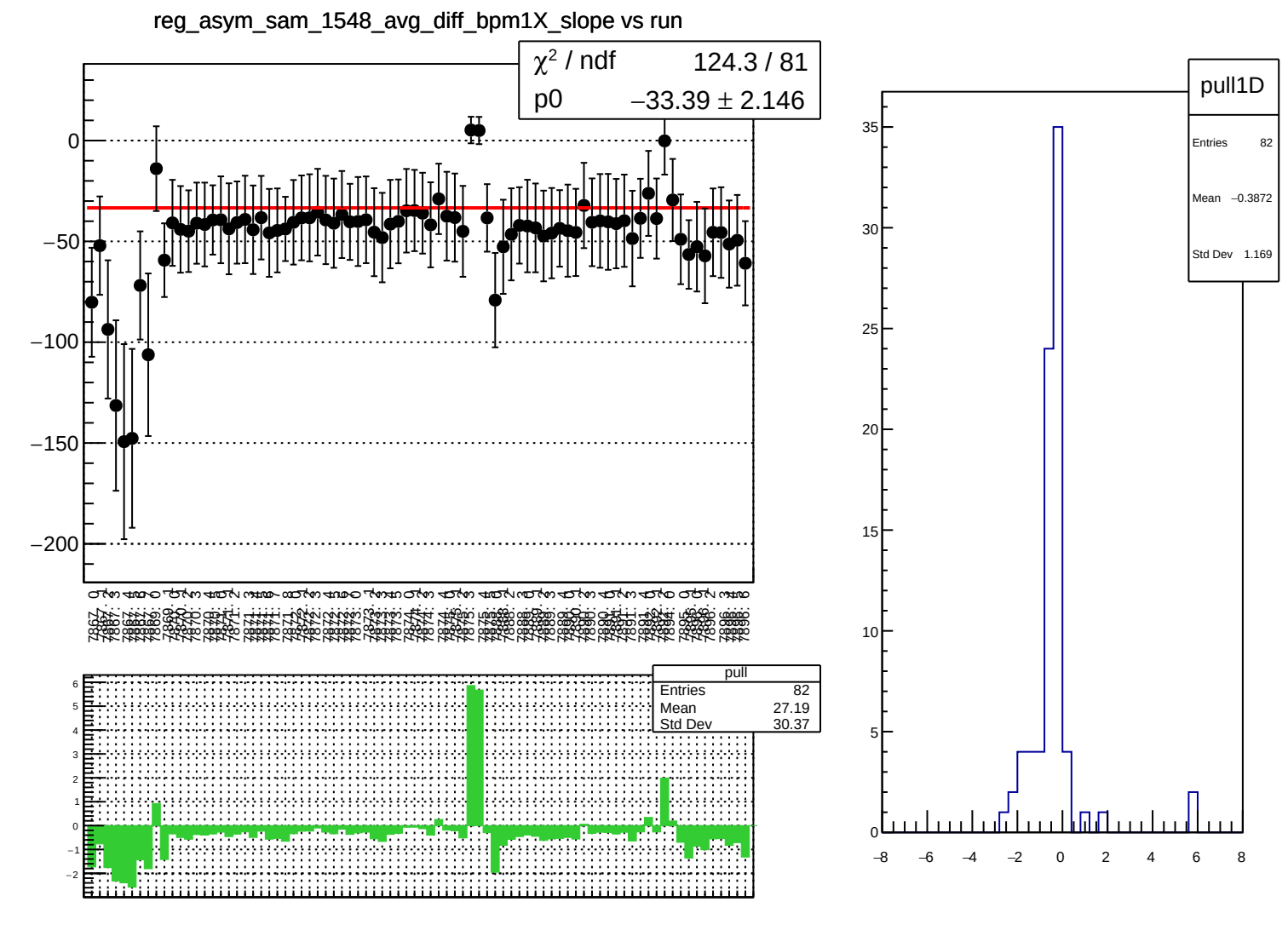

pull1D
Entries 82
Mean 0.0601
Std Dev 0.4873

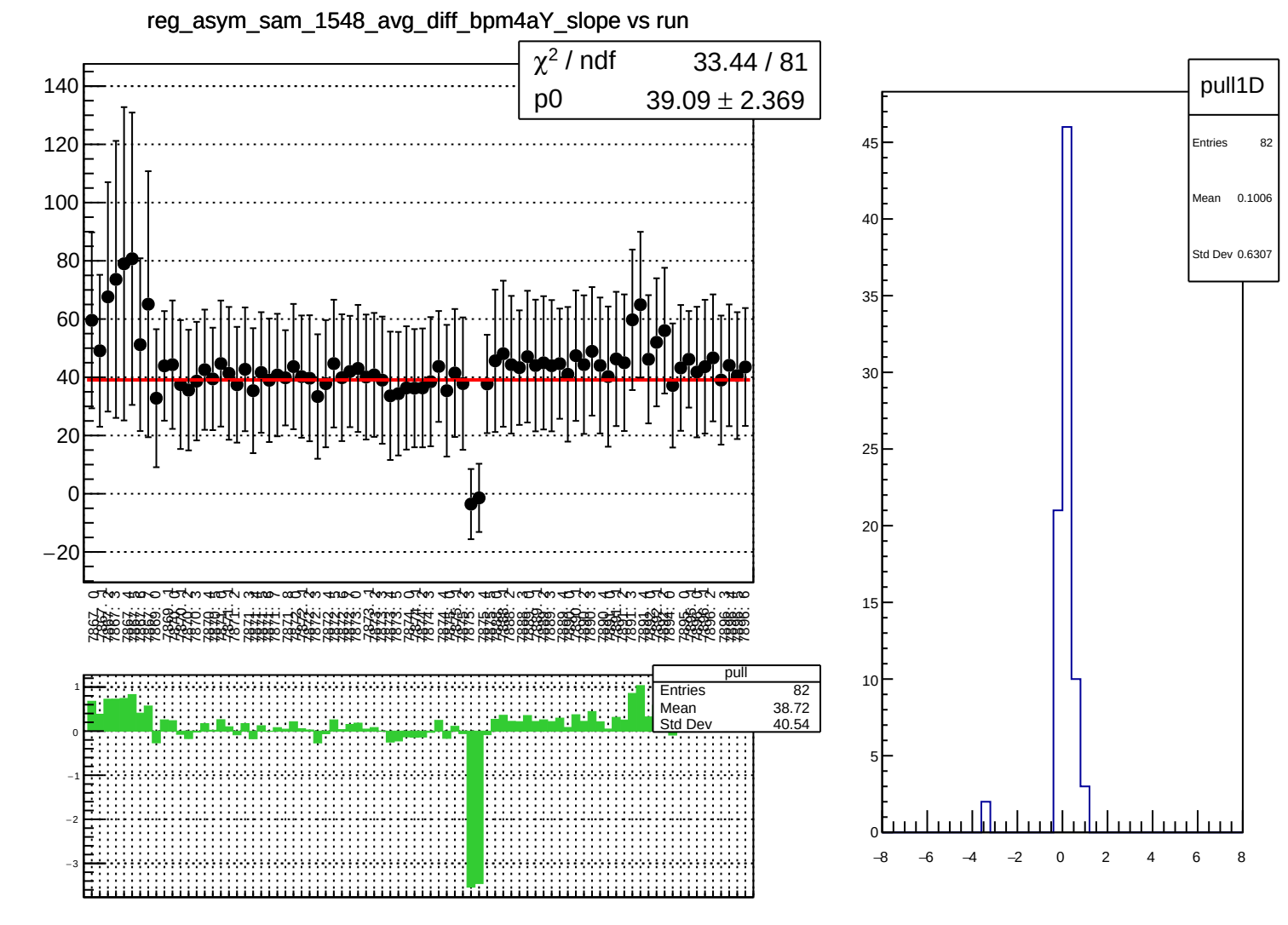

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 179 / 81
p0 −39.47 ± 0.8592
pull
Entries 82
Mean 51.04
Std Dev 32.25
pull1D
Entries 82
Mean −0.3716
Std Dev 0.3391

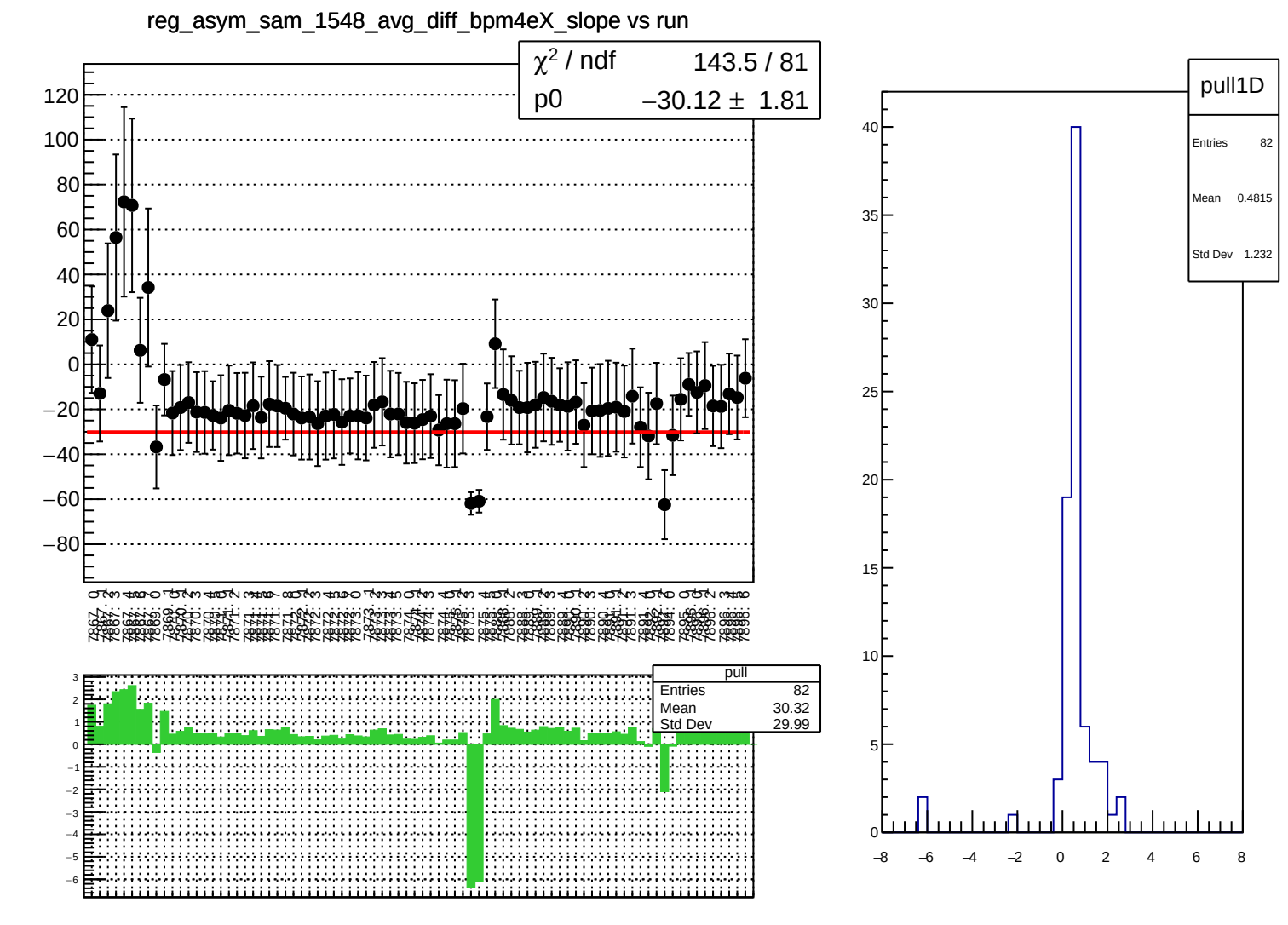

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.51 / 81
p0 17.18 ± 0.6652
pull
Entries 82
Mean 96.47
Std Dev 54.03
pull1D
Entries 82
Mean −0.07466
Std Dev 0.4945

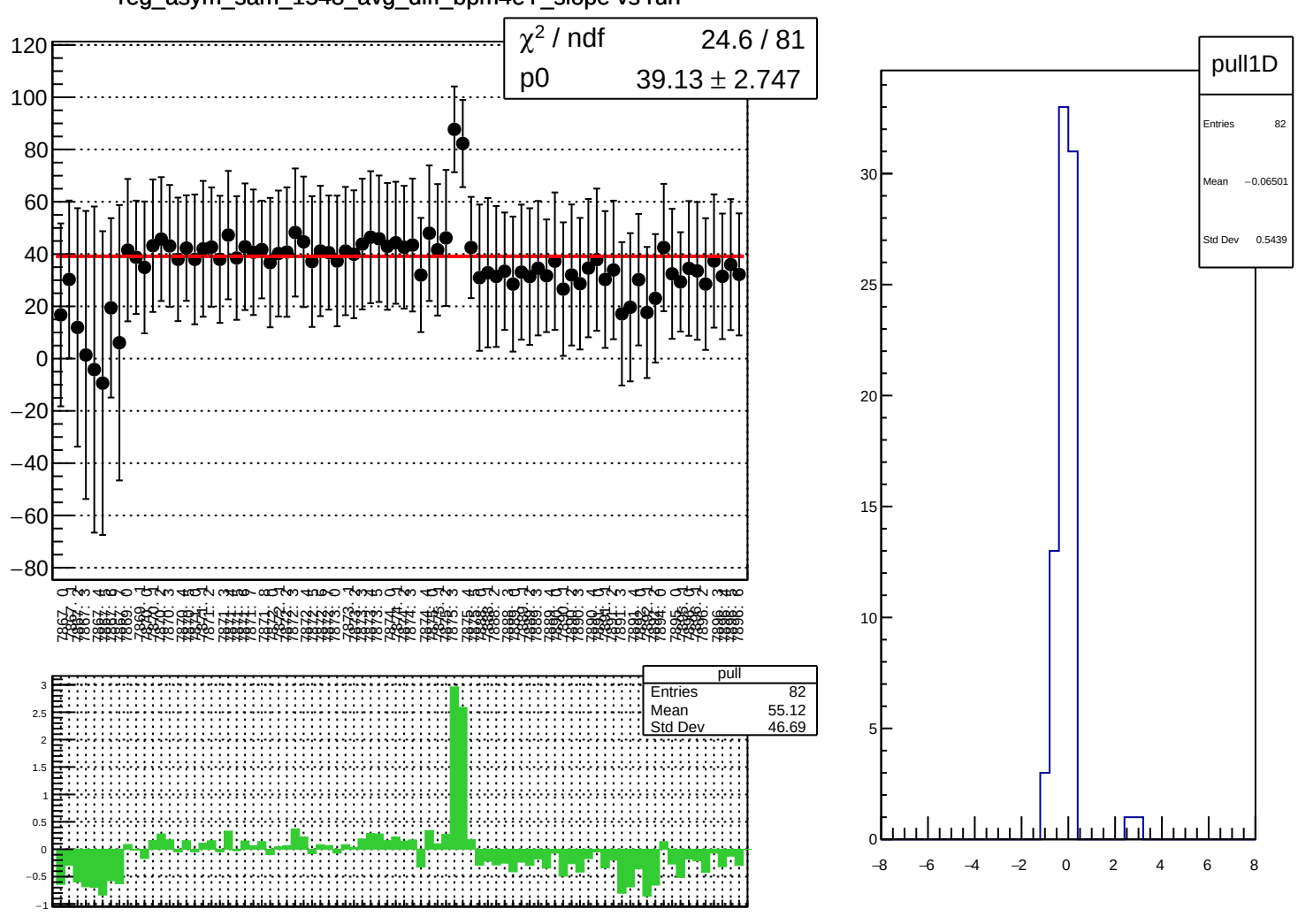

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 112 / 81
p0 −27.87 ± 0.9944
pull
Entries 82
Mean 92.91
Std Dev 22.72
pull1D
Entries 82
Mean 0.05949
Std Dev 1.167

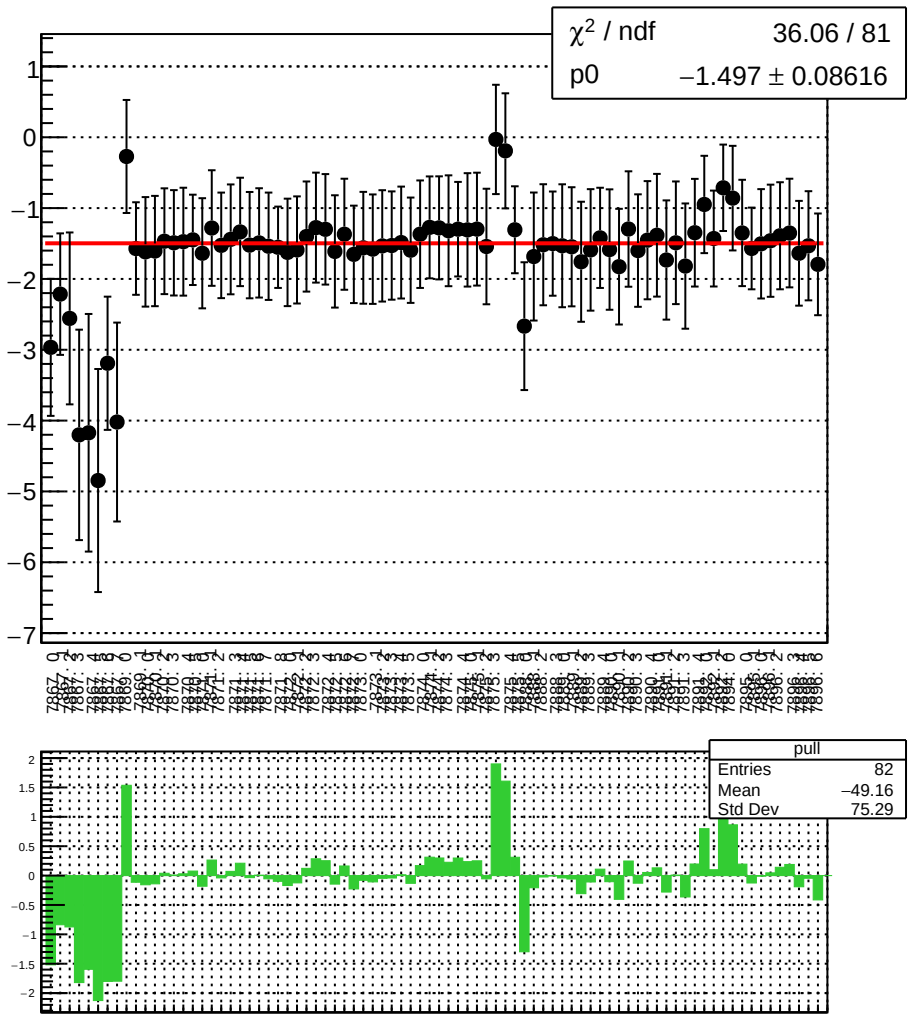

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 27.31 / 81
p0 1.195 ± 0.0311
pull
Entries 82
Mean 832.4
Std Dev 759.8
pull1D
Entries 82
Mean −0.001061
Std Dev 0.5771

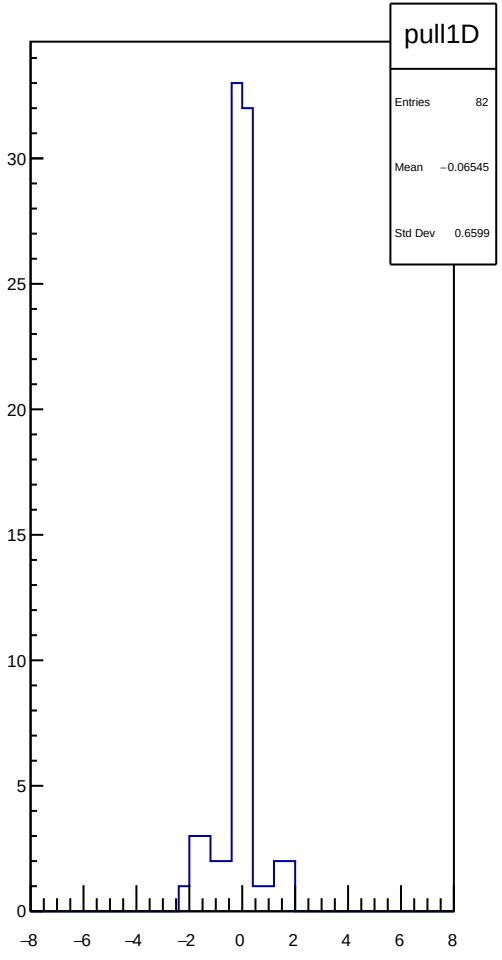

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 124.3 / 81
p0 −33.39 ± 2.146
pull
Entries 82
Mean 27.19
Std Dev 30.37
pull1D
Entries 82
Mean −0.3872
Std Dev 1.169

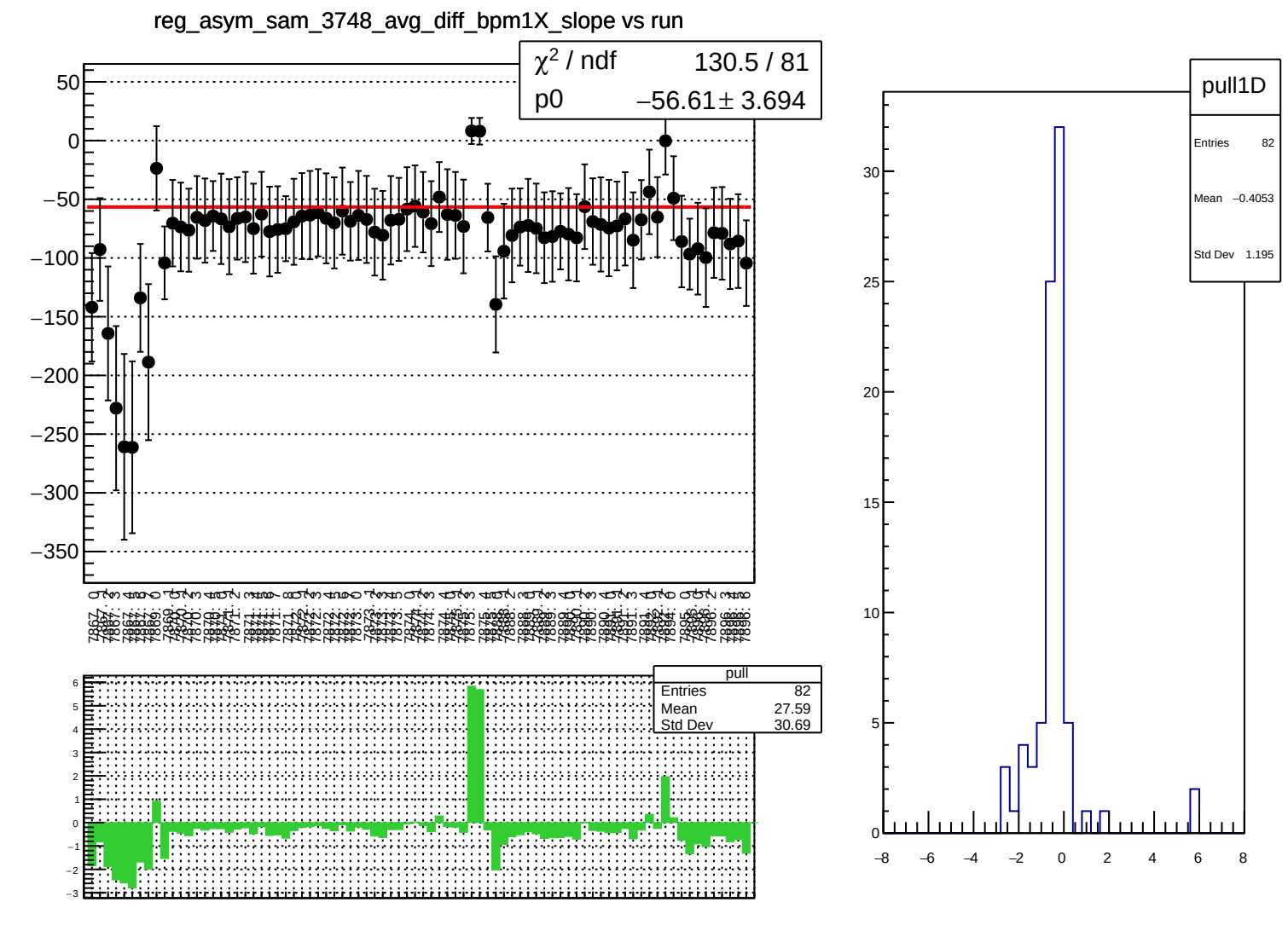

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.44 / 81
p0 39.09 ± 2.369
pull
Entries 82
Mean 38.72
Std Dev 40.54
pull1D
Entries 82
Mean 0.1006
Std Dev 0.6307

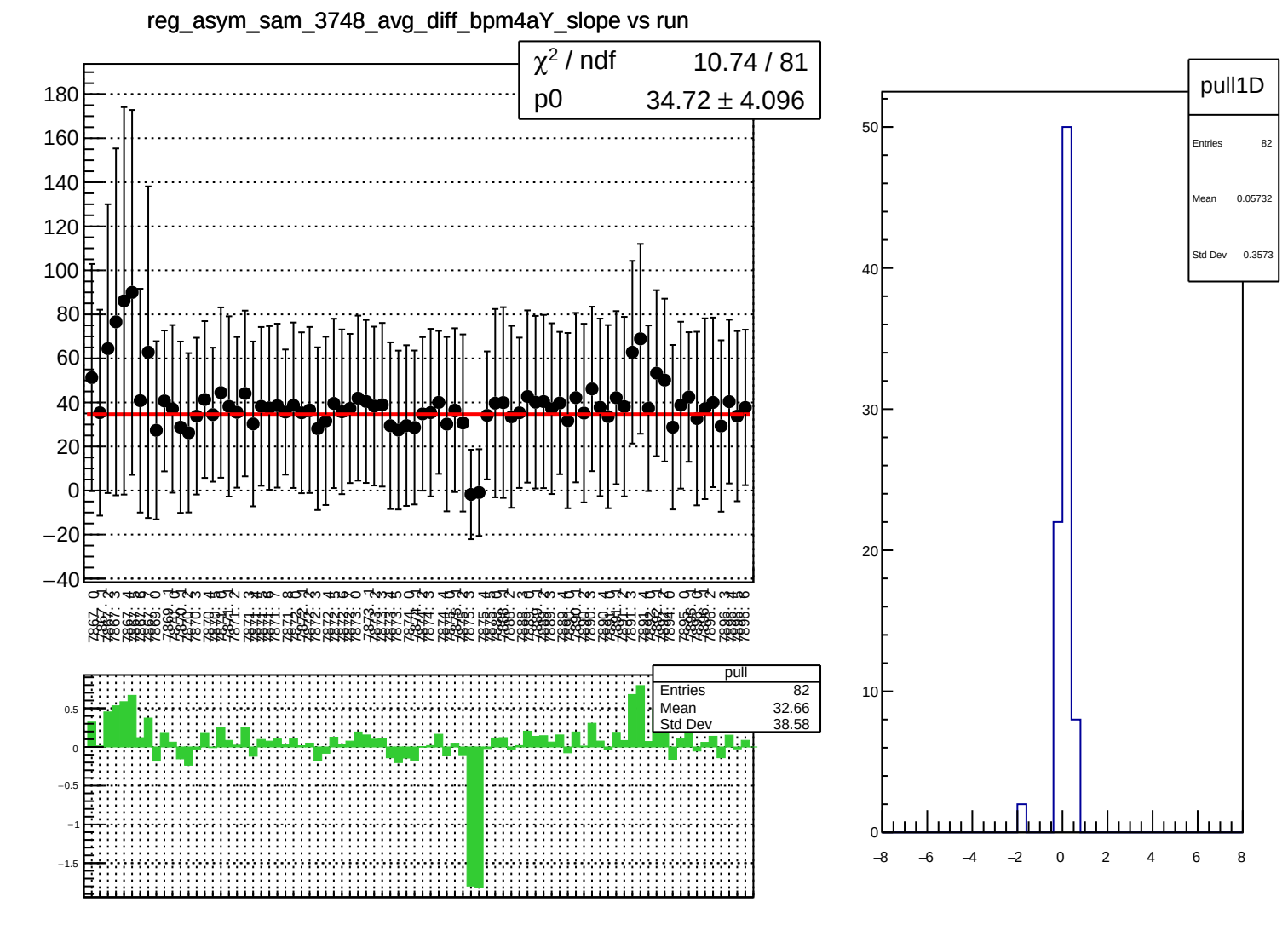

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 143.5 / 81
p0 −30.12 ± 1.81
pull
Entries 82
Mean 30.32
Std Dev 29.99
pull1D
Entries 82
Mean 0.4815
Std Dev 1.232

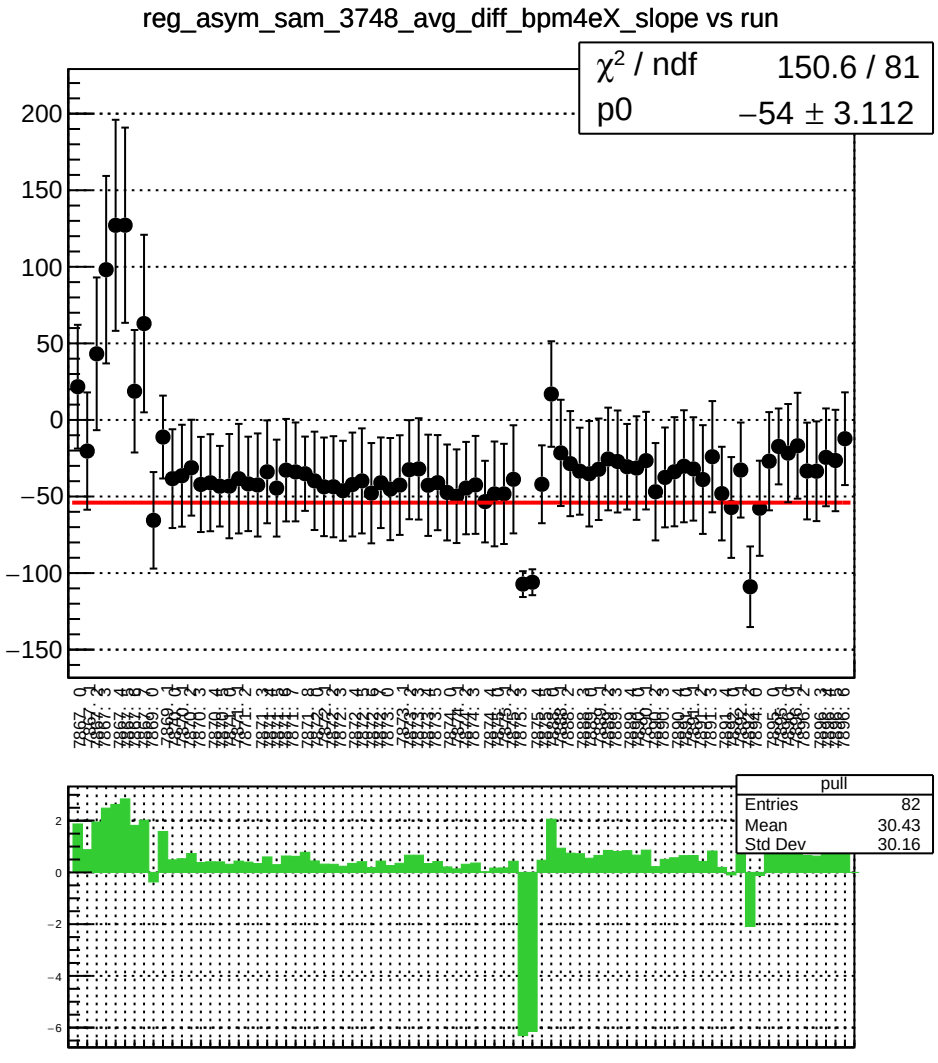

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.6 / 81
p0 39.13 ± 2.747
pull
Entries 82
Mean 55.12
Std Dev 46.69
pull1D
Entries 82
Mean −0.06501
Std Dev 0.5439

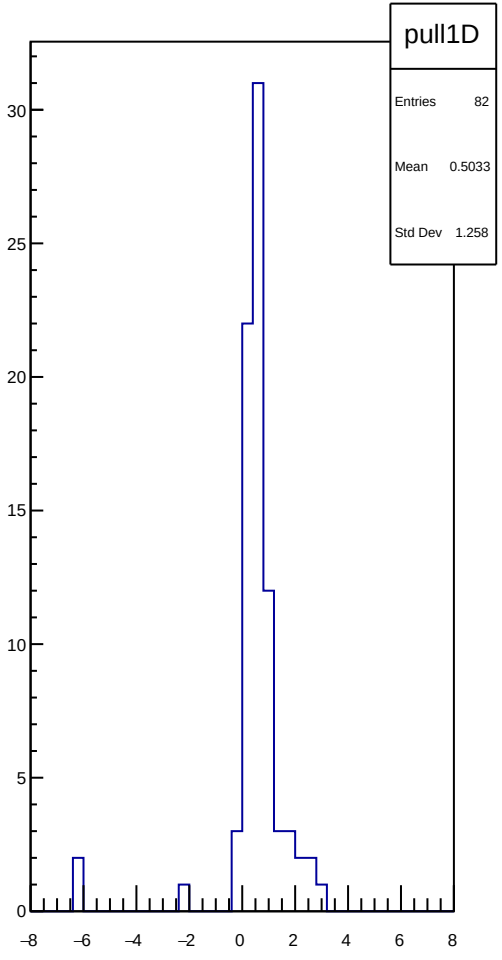

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 36.06 / 81
p0 −1.497 ± 0.08616
pull
Entries 82
Mean −49.16
Std Dev 75.29

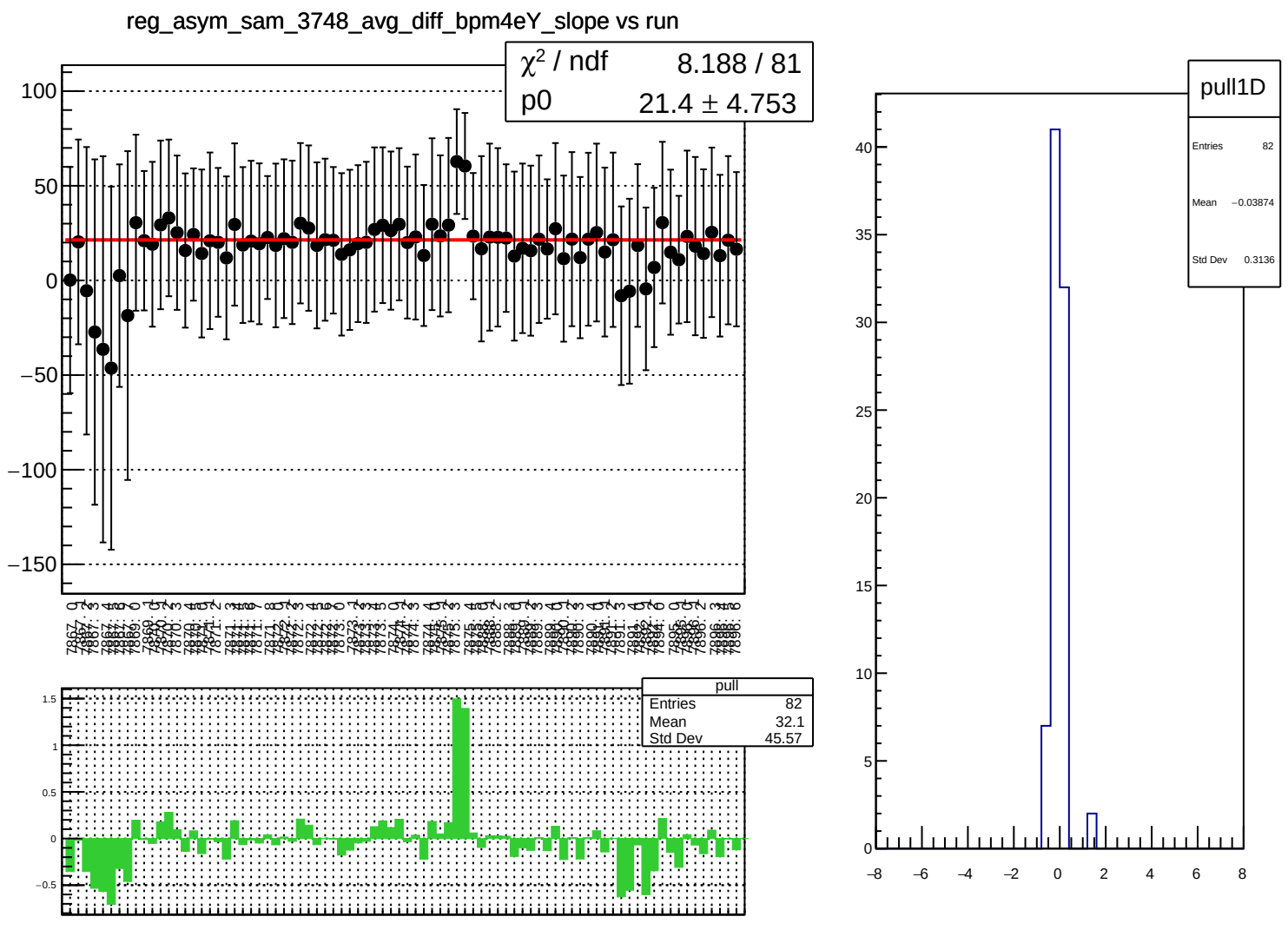

pull1D
Entries 82
Mean −0.06545
Std Dev 0.6599

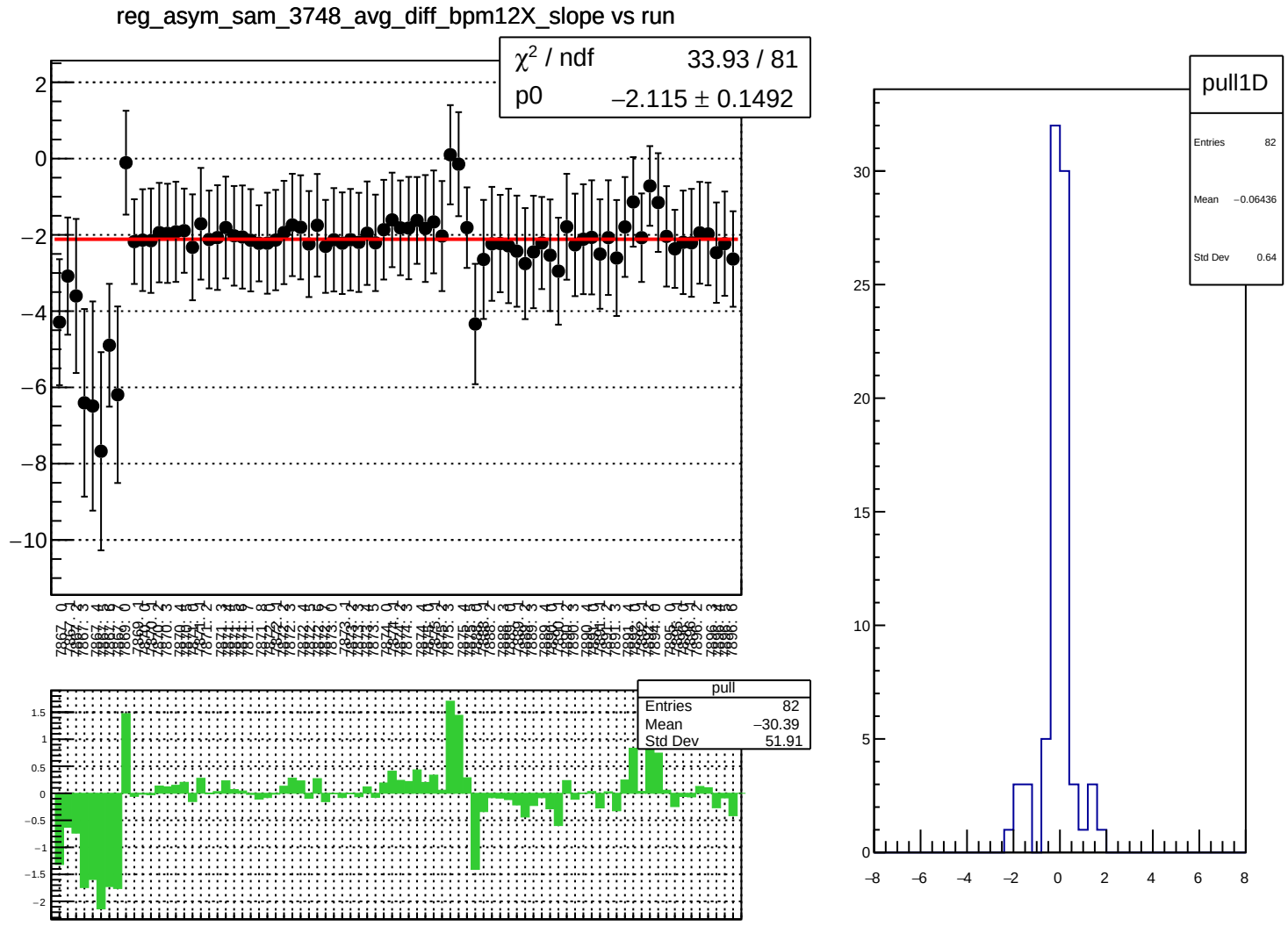

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 130.5 / 81
p0 −56.61 ± 3.694
pull
Entries 82
Mean 27.59
Std Dev 30.69
pull1D
Entries 82
Mean −0.4053
Std Dev 1.195

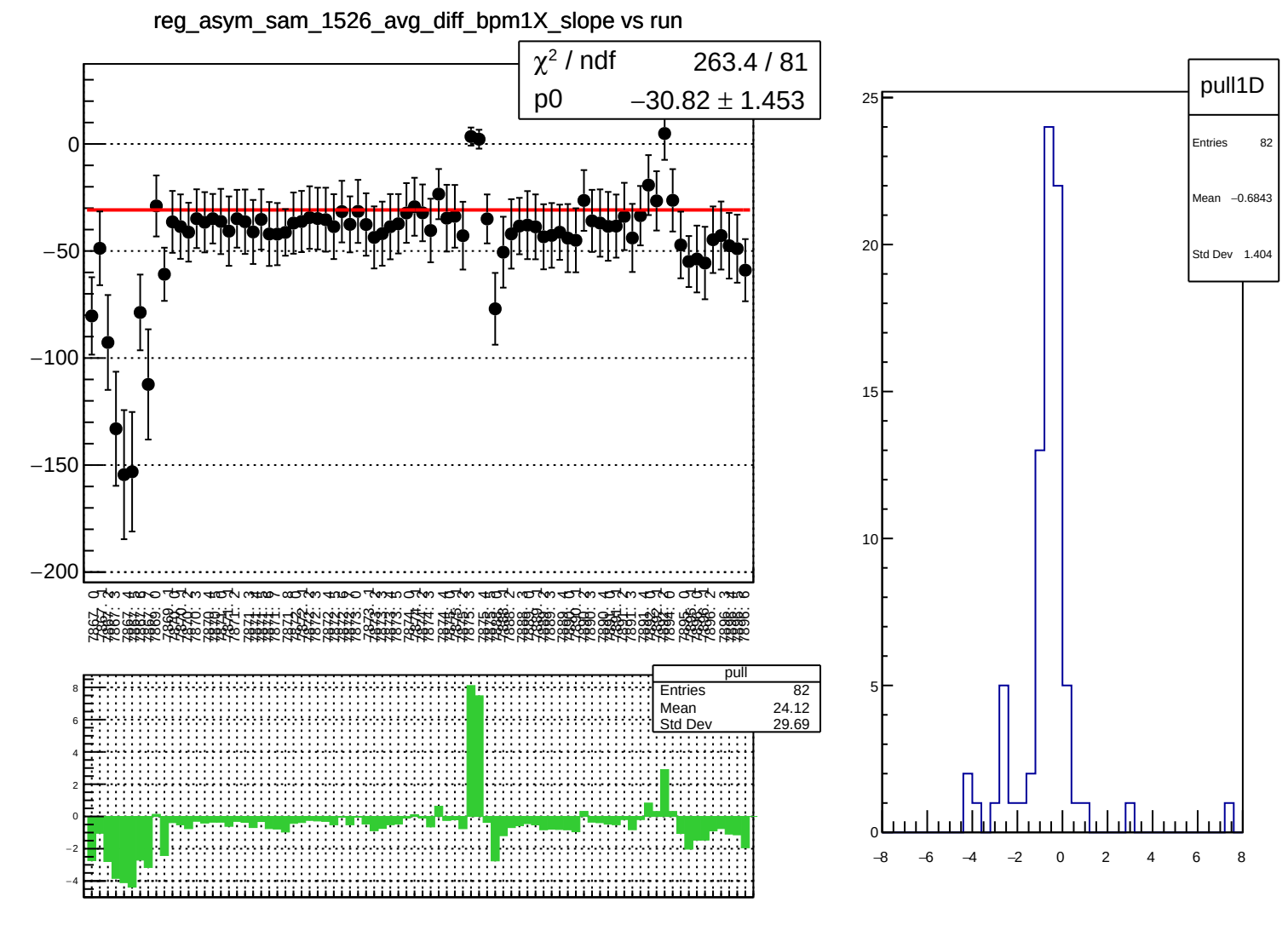

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.74 / 81
p0 34.72 ± 4.096
pull
Entries 82
Mean 32.66
Std Dev 38.58
pull1D
Entries 82
Mean 0.05732
Std Dev 0.3573

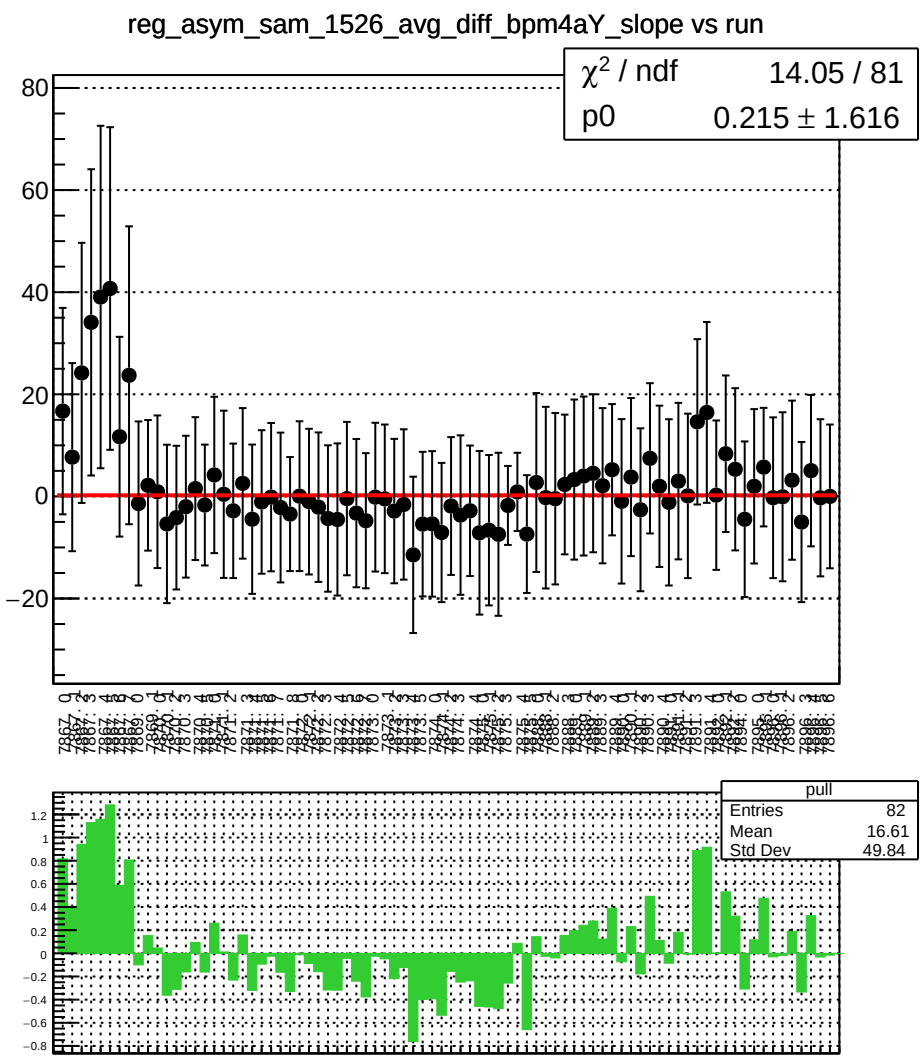

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 150.6 / 81
p0 −54 ± 3.112
pull
Entries 82
Mean 30.43
Std Dev 30.16

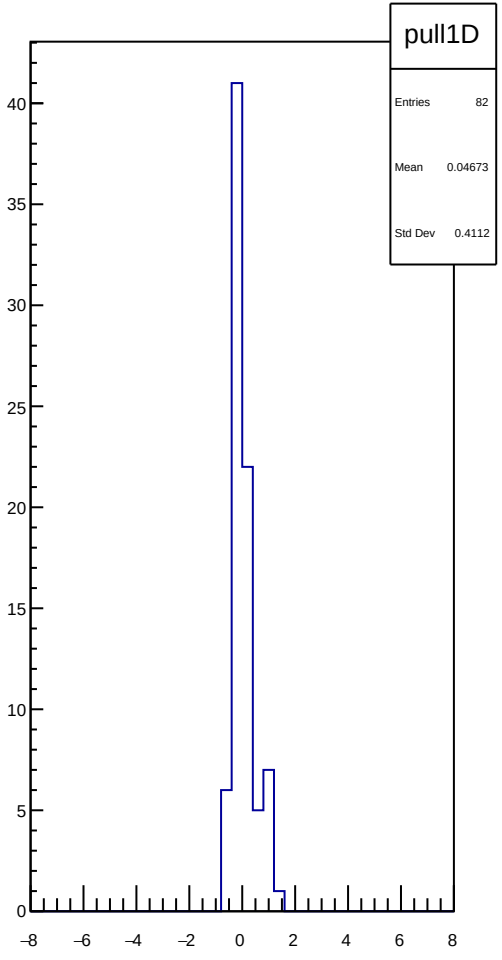

pull1D
Entries 82
Mean 0.5033
Std Dev 1.258

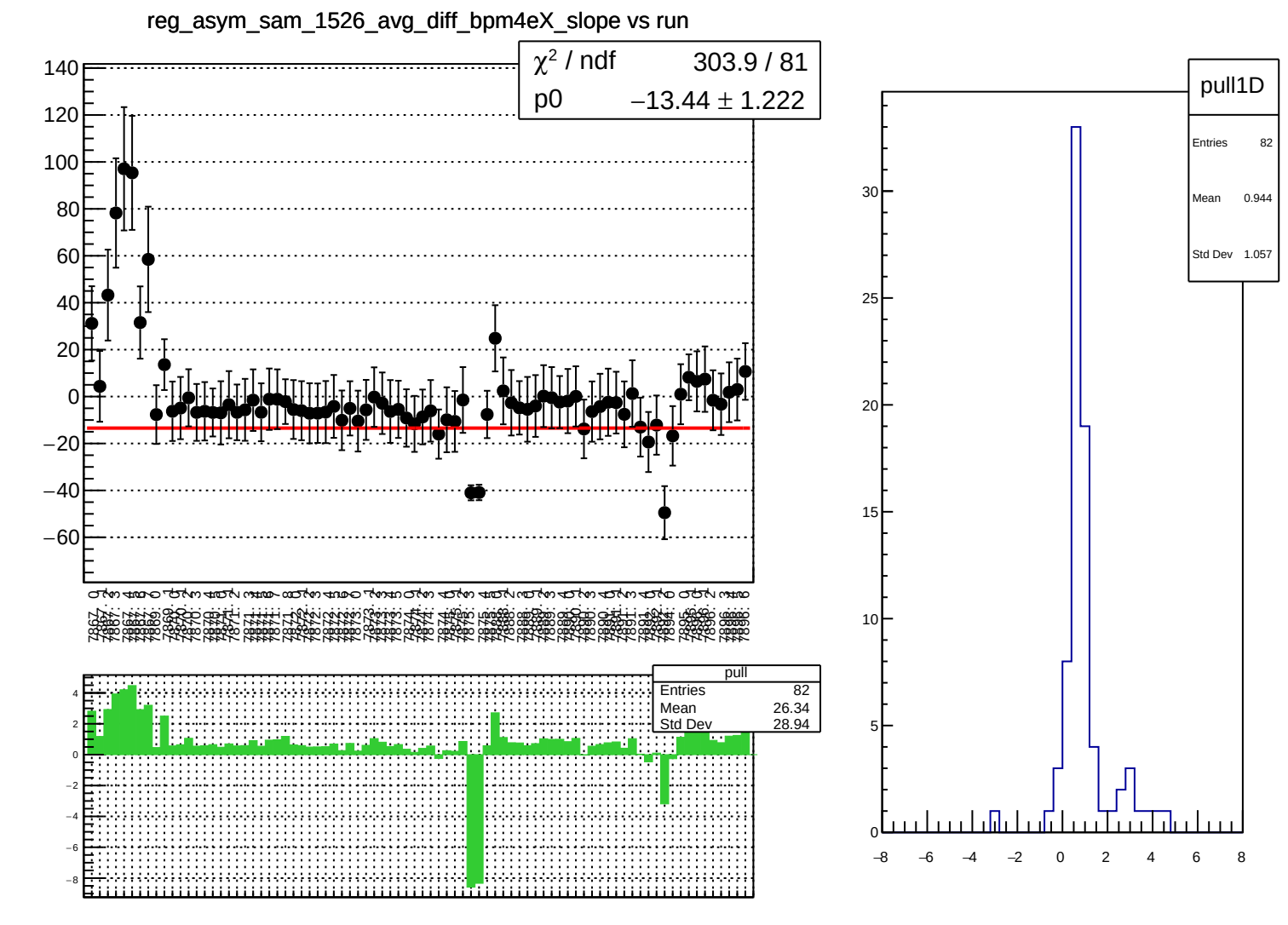

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.188 / 81
p0 21.4 ± 4.753
pull
Entries 82
Mean 32.1
Std Dev 45.57
pull1D
Entries 82
Mean −0.03874
Std Dev 0.3136

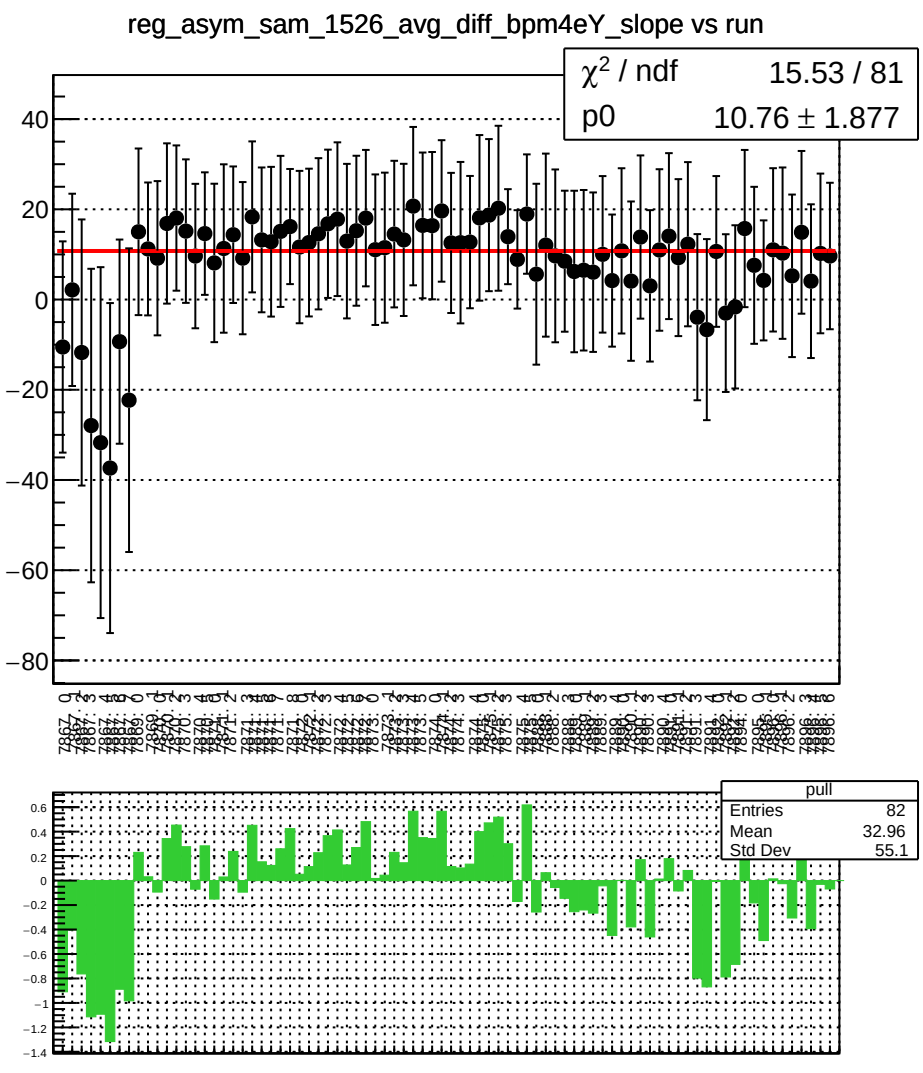

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 33.93 / 81
p0 −2.115 ± 0.1492
pull
Entries 82
Mean −30.39
Std Dev 51.91
pull1D
Entries 82
Mean −0.06436
Std Dev 0.64

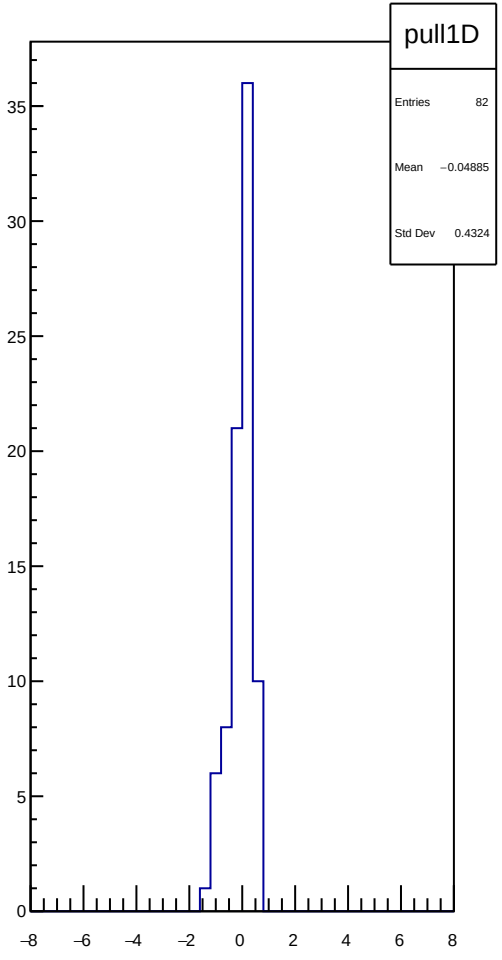

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 263.4 / 81
p0 −30.82 ± 1.453
pull
Entries 82
Mean 24.12
Std Dev 29.69
pull1D
Entries 82
Mean −0.6843
Std Dev 1.404

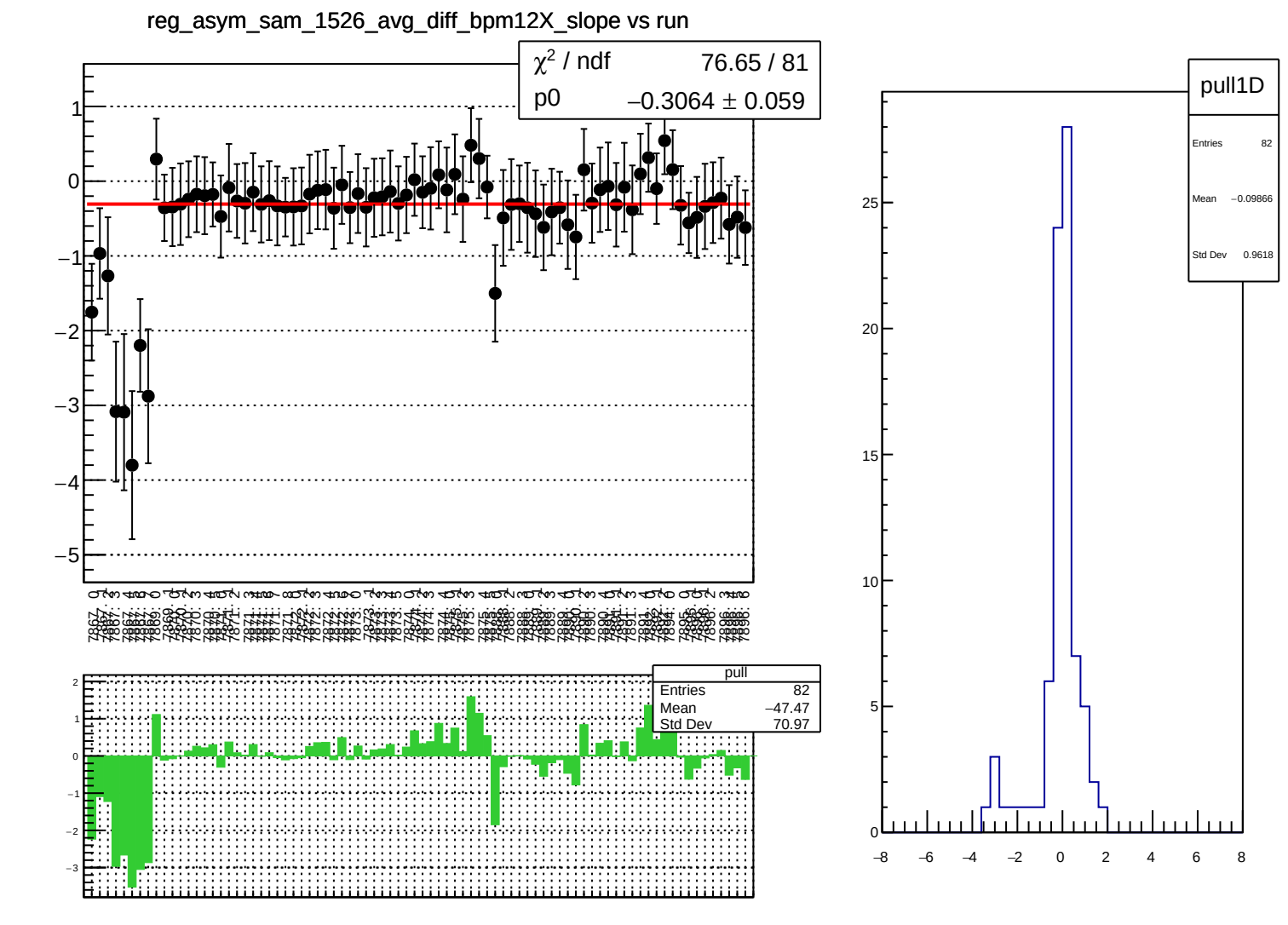

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.05 / 81
p0 0.215 ± 1.616
pull
Entries 82
Mean 16.61
Std Dev 49.84

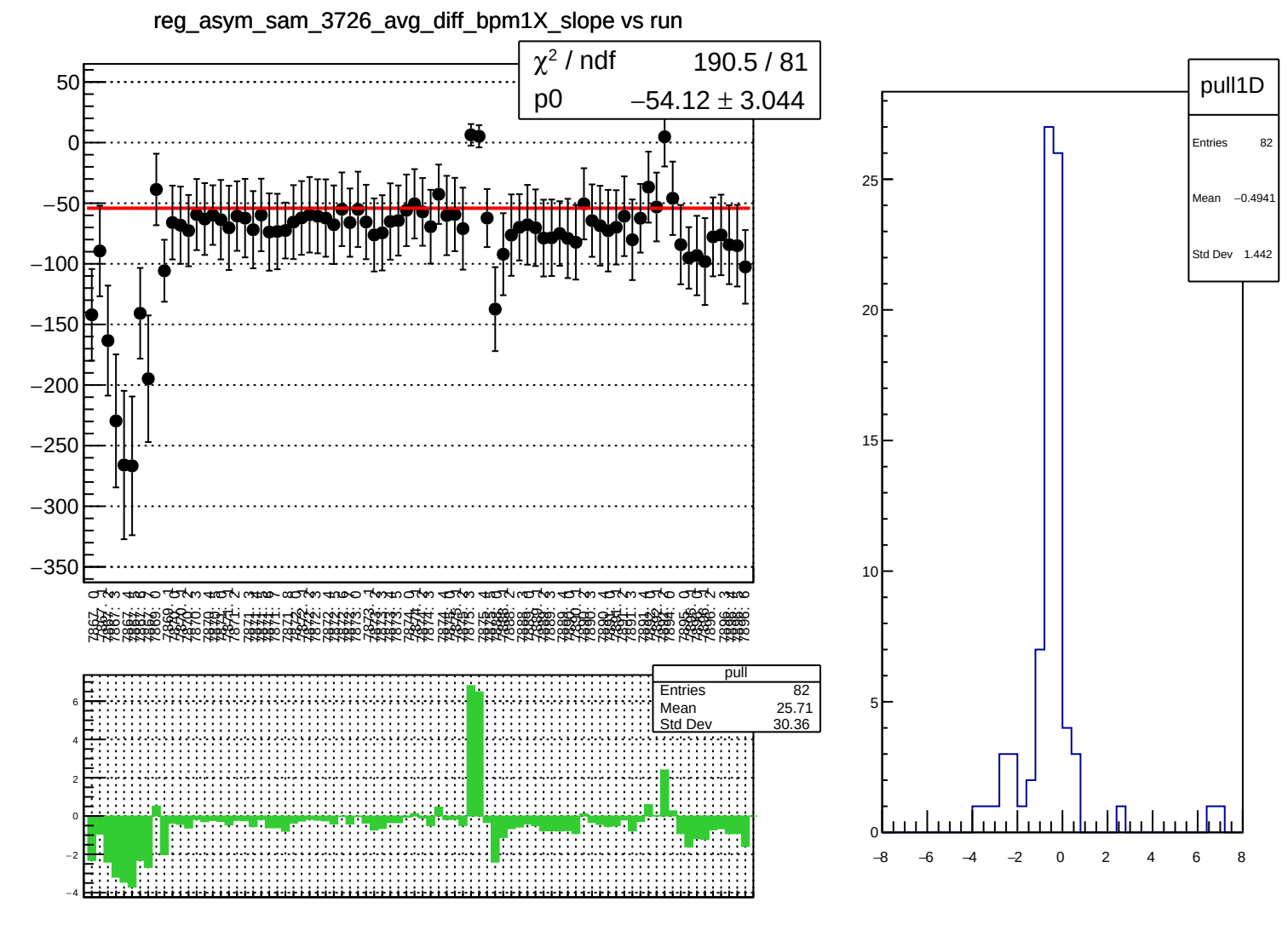

pull1D
Entries 82
Mean 0.04673
Std Dev 0.4112

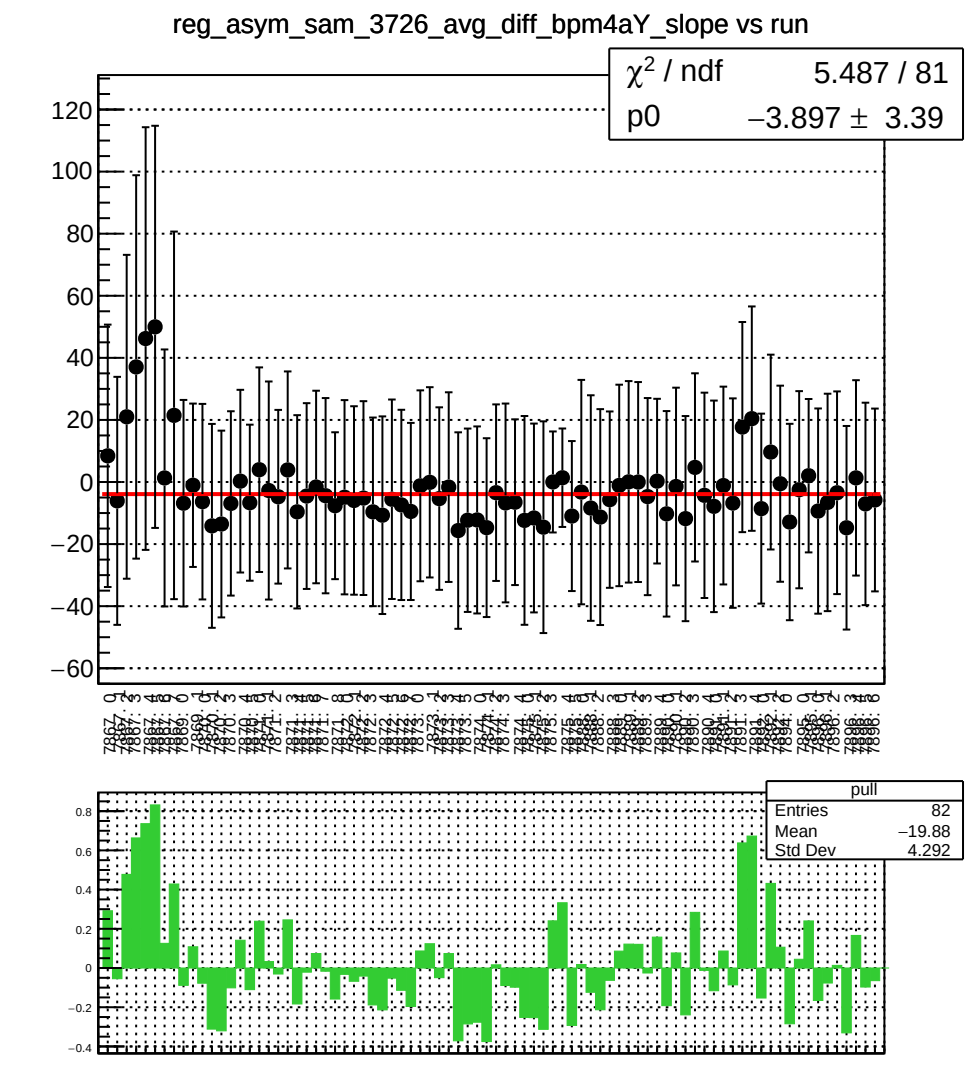

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 303.9 / 81
p0 −13.44 ± 1.222
pull
Entries 82
Mean 26.34
Std Dev 28.94
pull1D
Entries 82
Mean 0.944
Std Dev 1.057

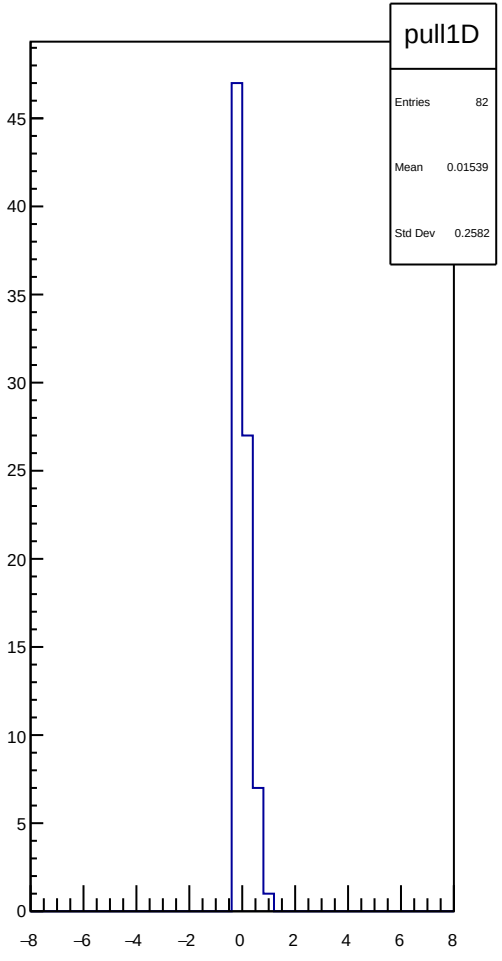

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.53 / 81
p0 10.76 ± 1.877
pull
Entries 82
Mean 32.96
Std Dev 55.1

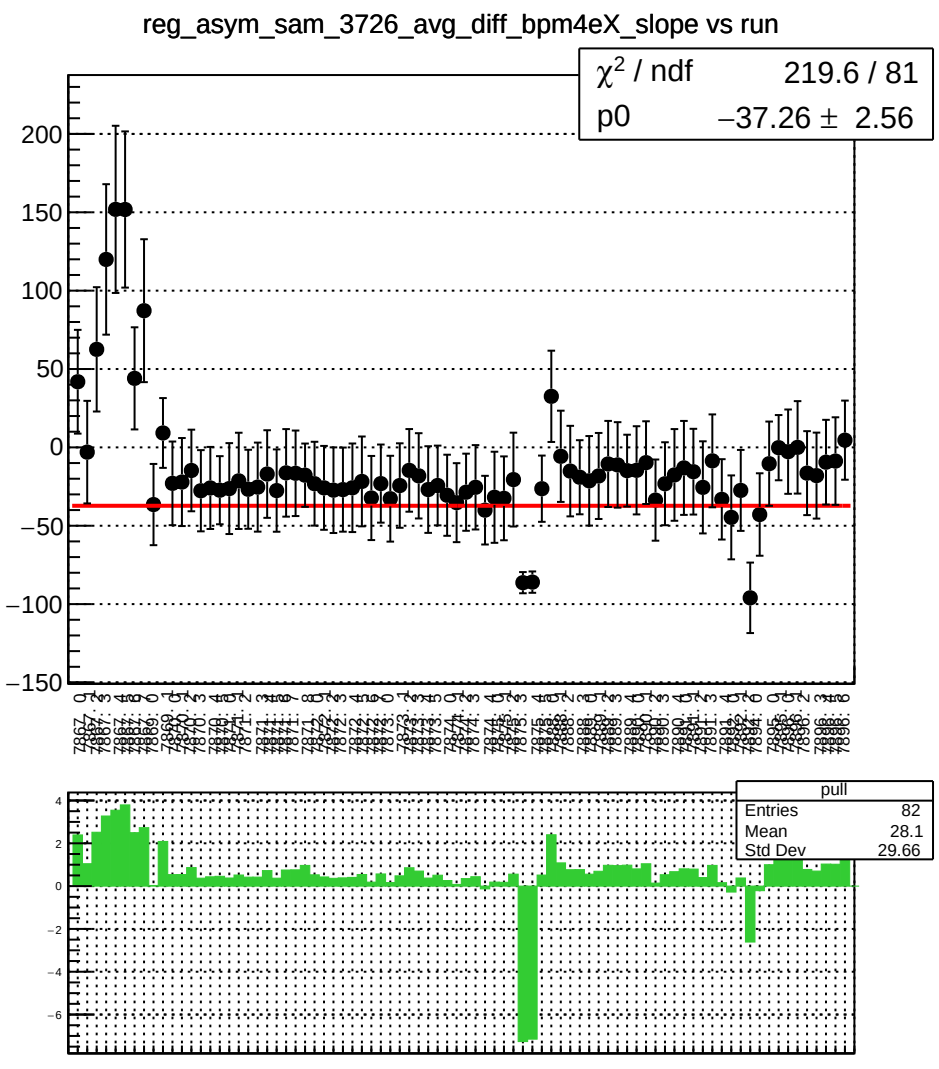

pull1D
Entries 82
Mean −0.04885
Std Dev 0.4324

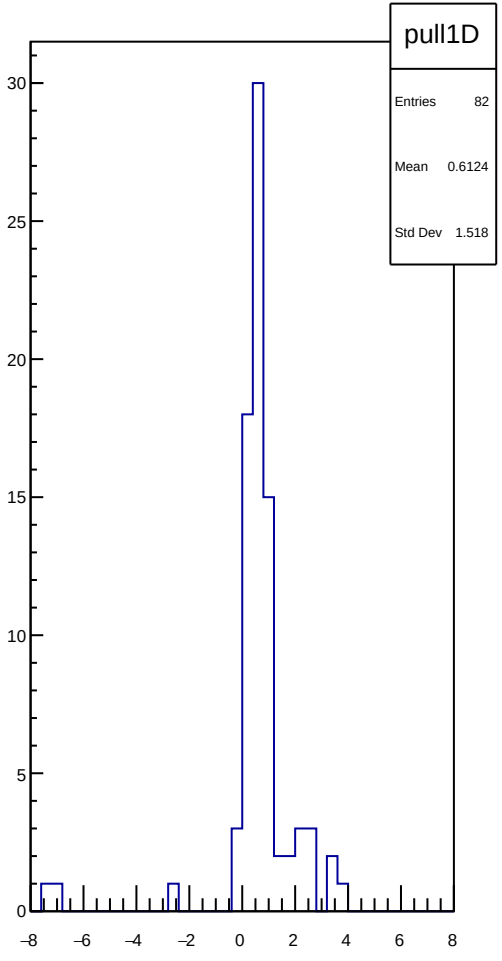

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 76.65 / 81
p0 −0.3064 ± 0.059
pull
Entries 82
Mean −47.47
Std Dev 70.97
pull1D
Entries 82
Mean −0.09866
Std Dev 0.9618

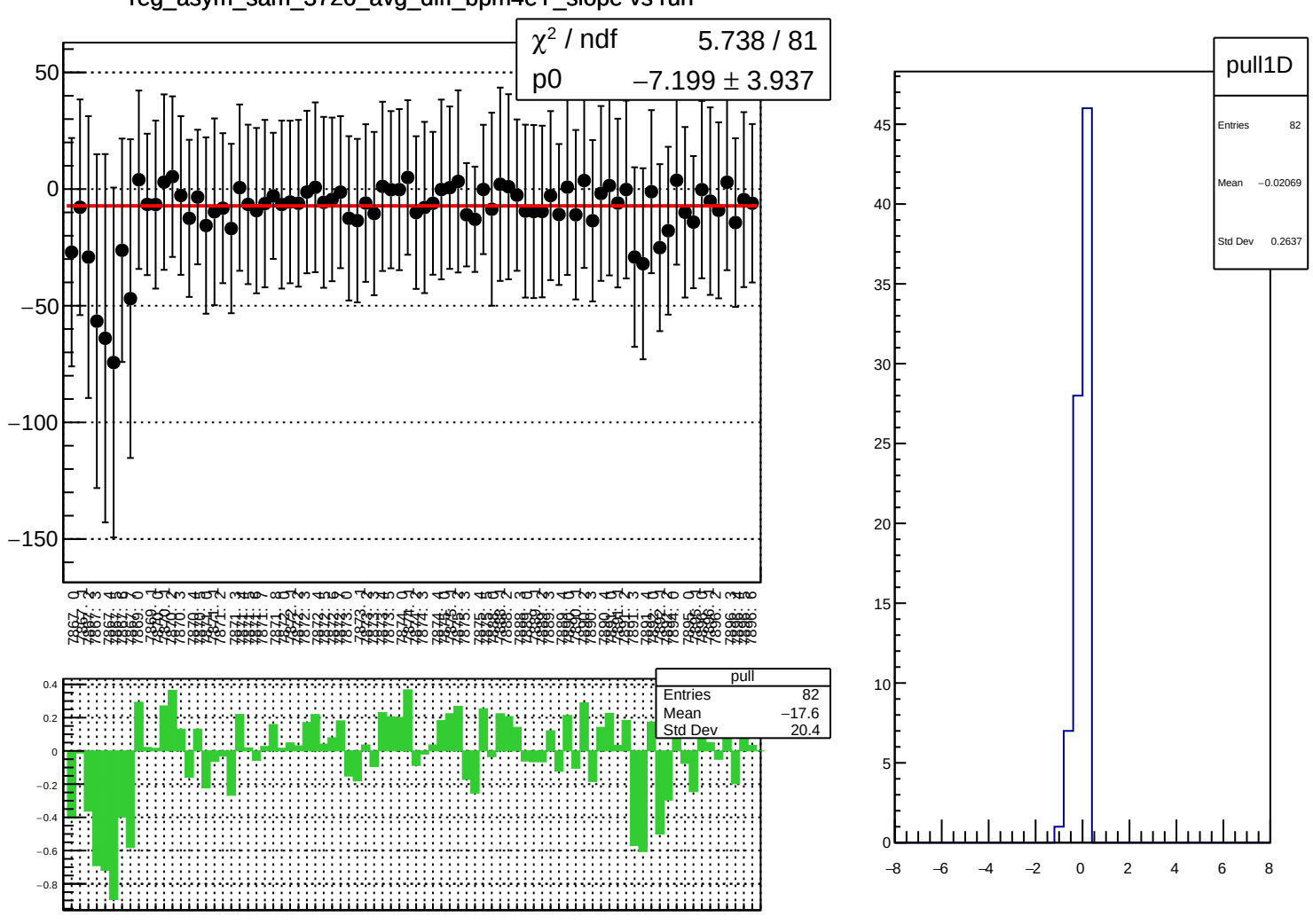

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 190.5 / 81
p0 −54.12 ± 3.044
pull
Entries 82
Mean 25.71
Std Dev 30.36
pull1D
Entries 82
Mean −0.4941
Std Dev 1.442

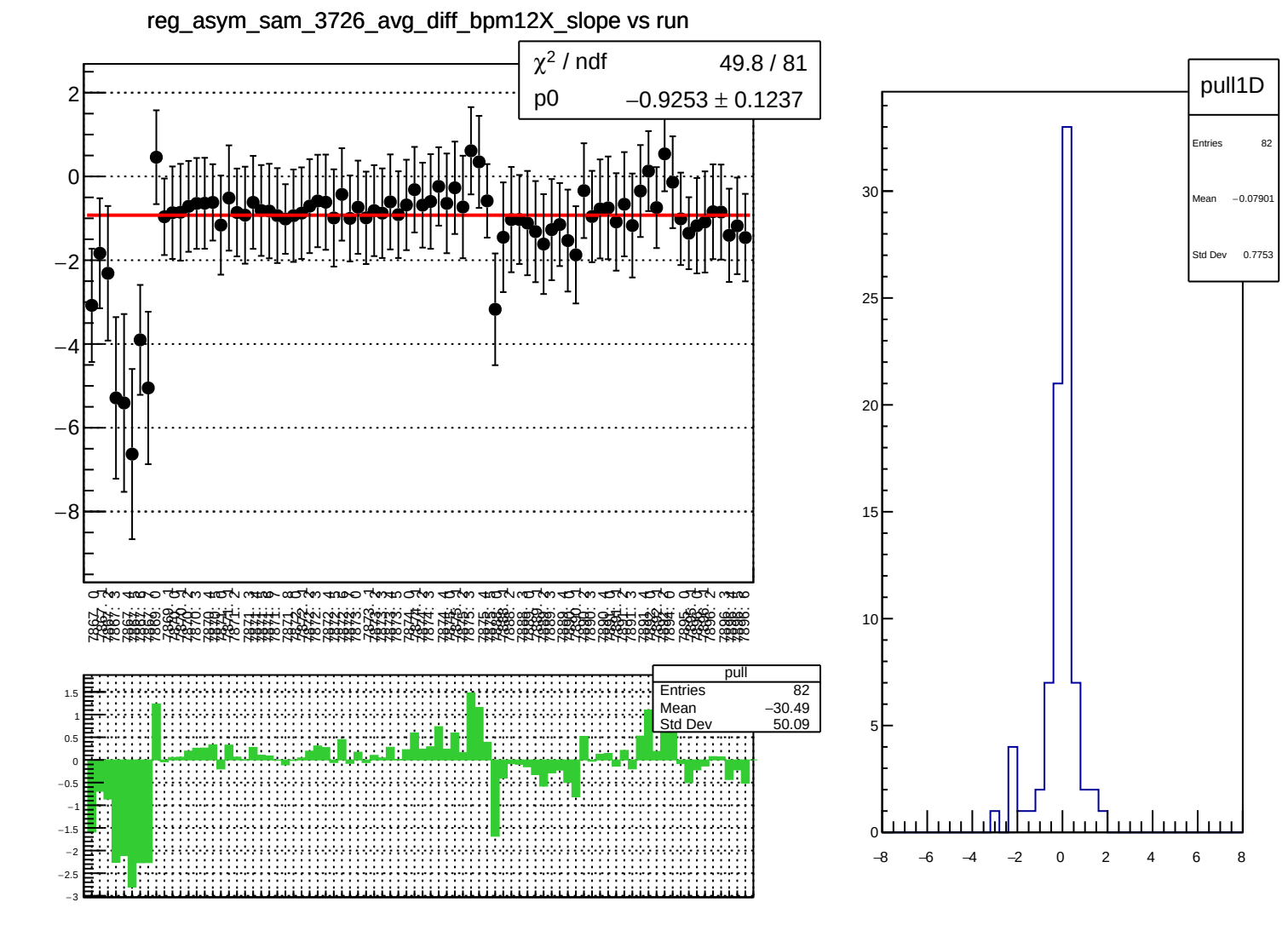

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.487 / 81
p0 −3.897 ± 3.39
pull
Entries 82
Mean −19.88
Std Dev 4.292

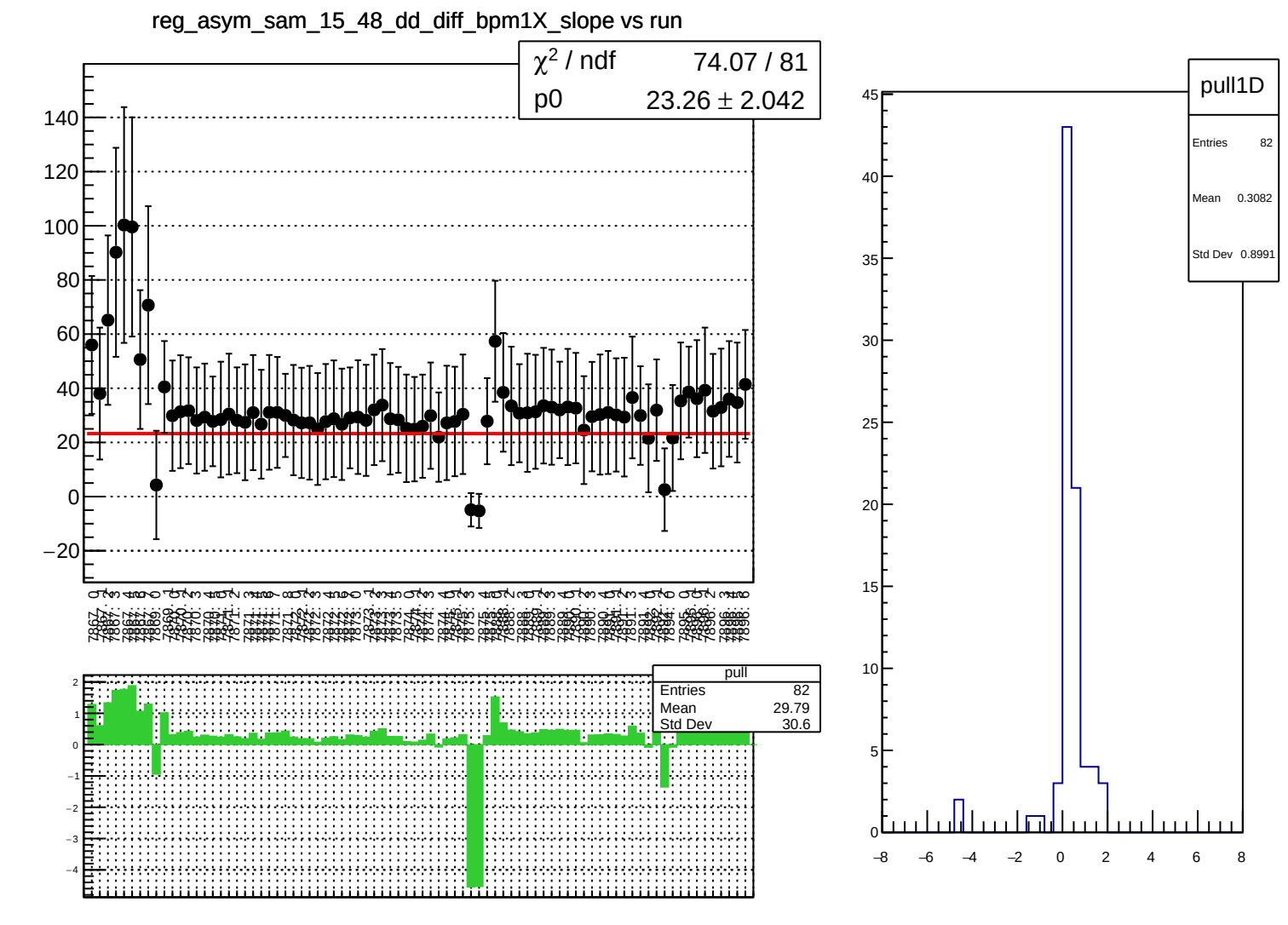

pull1D
Entries 82
Mean 0.01539
Std Dev 0.2582

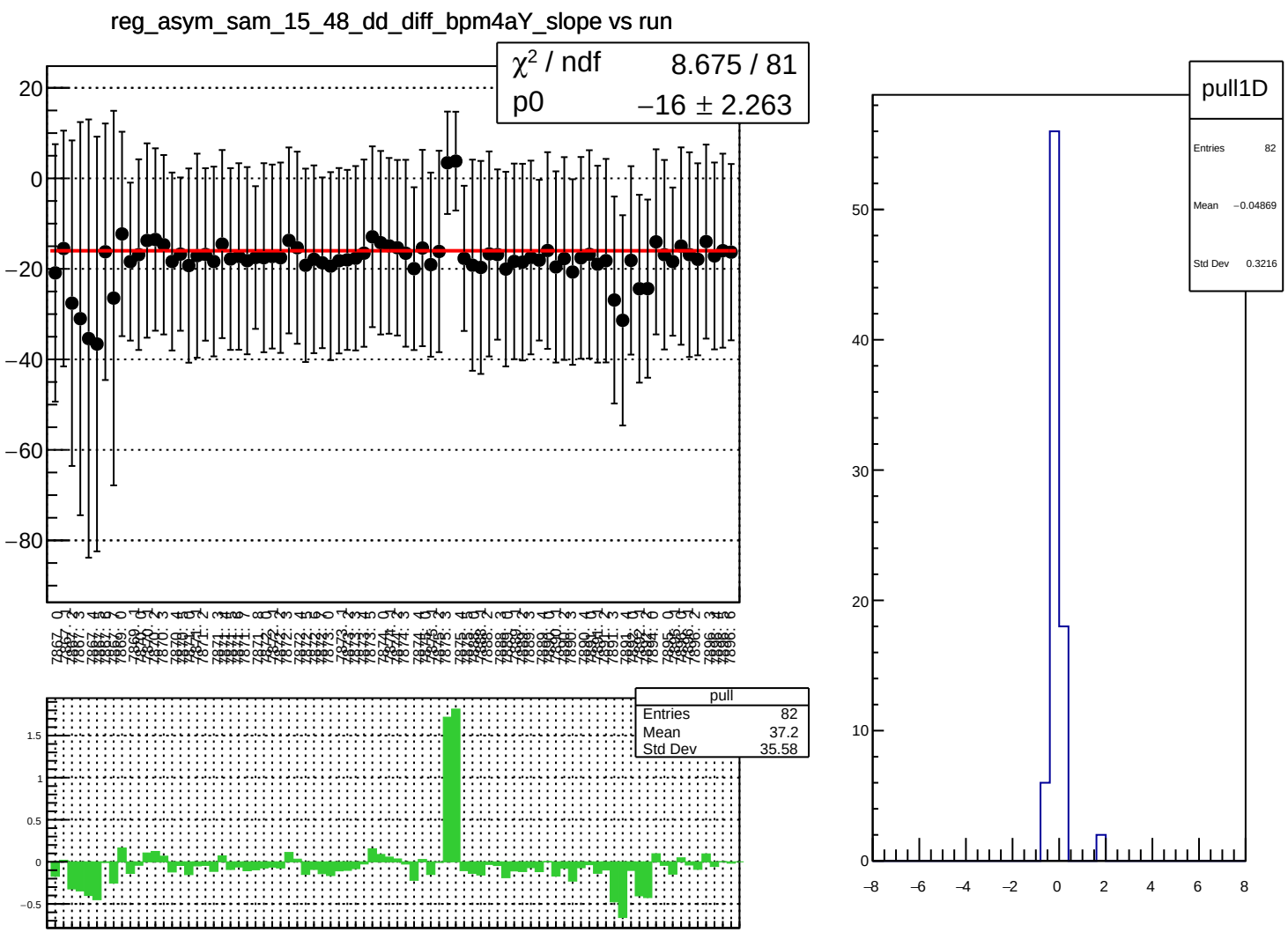

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.6 / 81
p0 −37.26 ± 2.56
pull
Entries 82
Mean 28.1
Std Dev 29.66

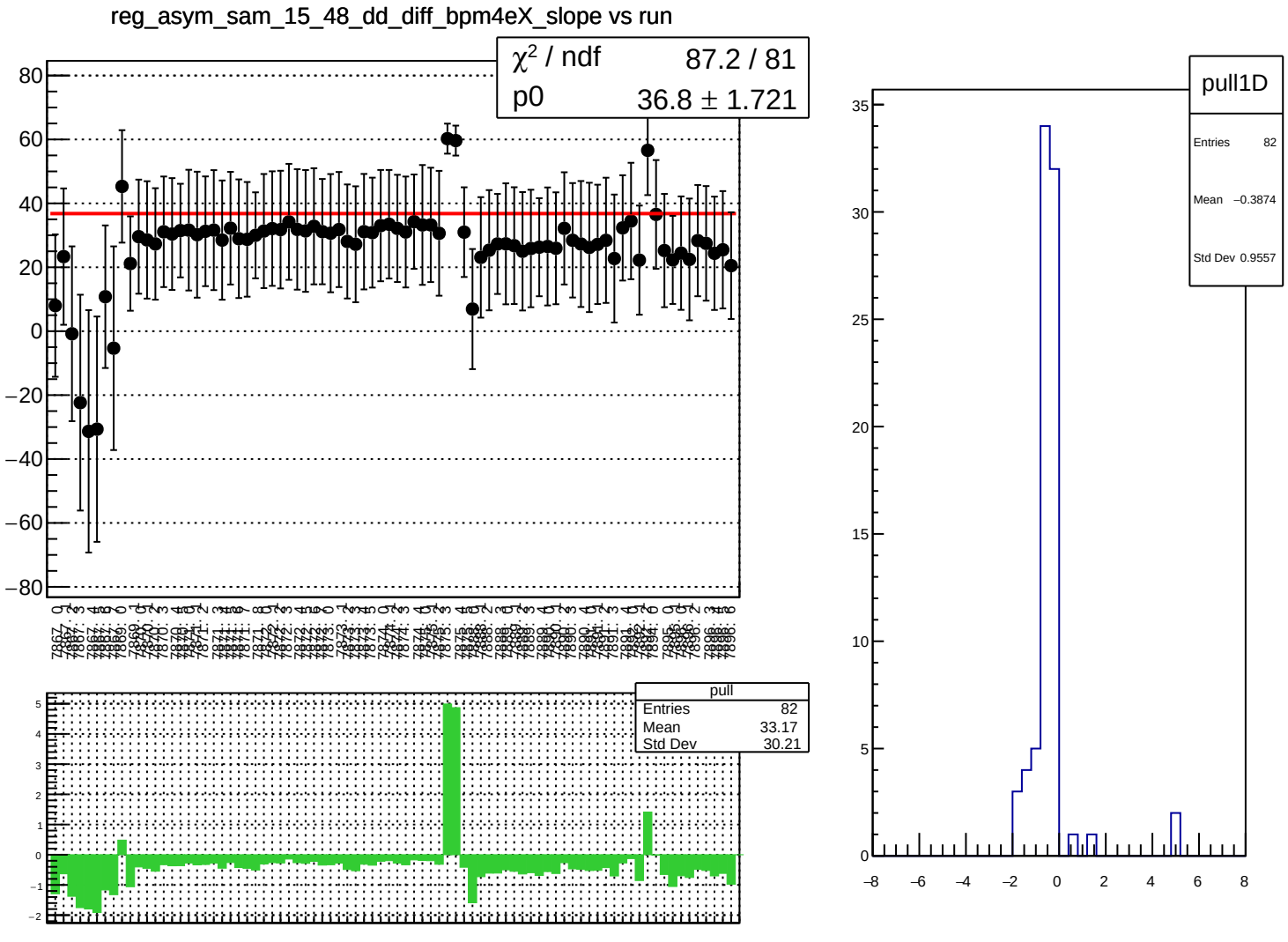

pull1D
Entries 82
Mean 0.6124
Std Dev 1.518

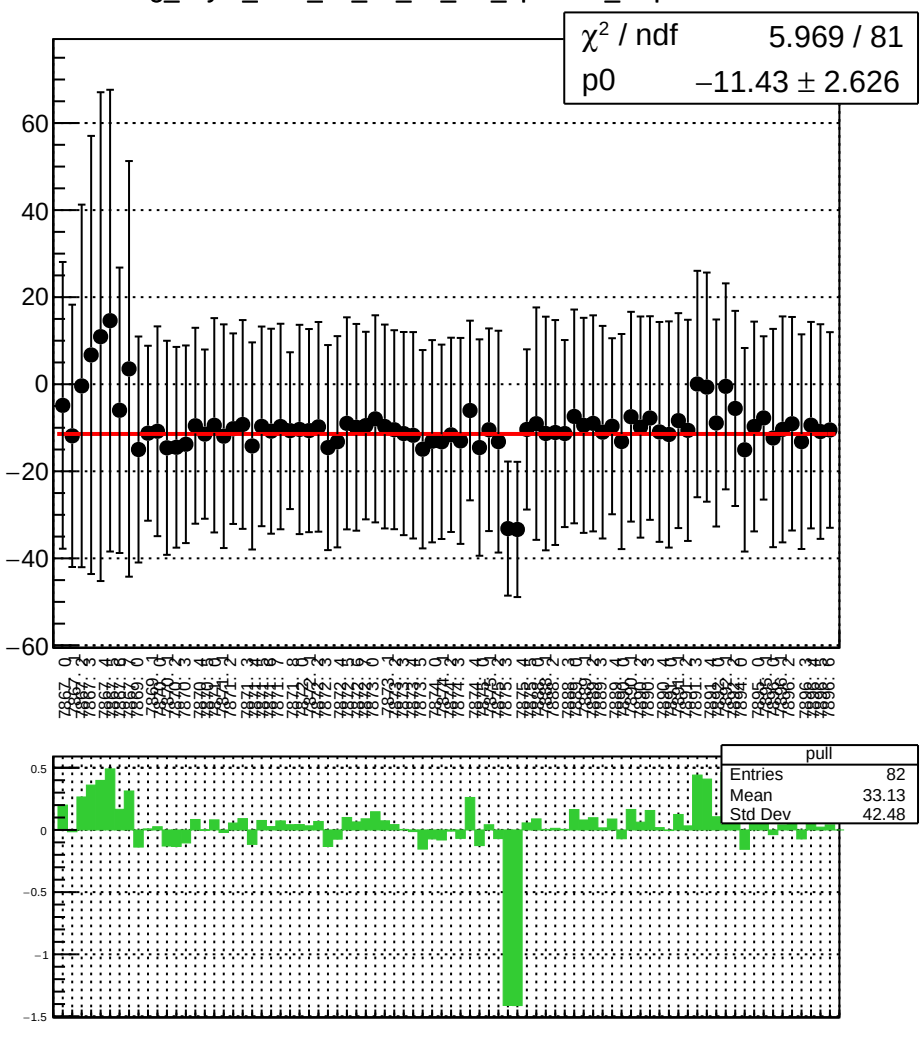

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.738 / 81
p0 −7.199 ± 3.937
pull
Entries 82
Mean −17.6
Std Dev 20.4
pull1D
Entries 82
Mean −0.02069
Std Dev 0.2637

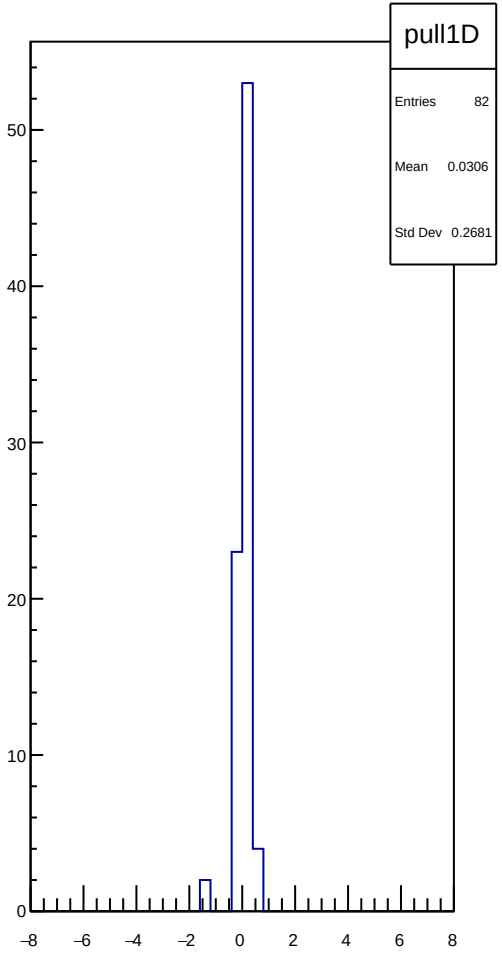

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 49.8 / 81
p0 −0.9253 ± 0.1237
pull
Entries 82
Mean −30.49
Std Dev 50.09
pull1D
Entries 82
Mean −0.07901
Std Dev 0.7753

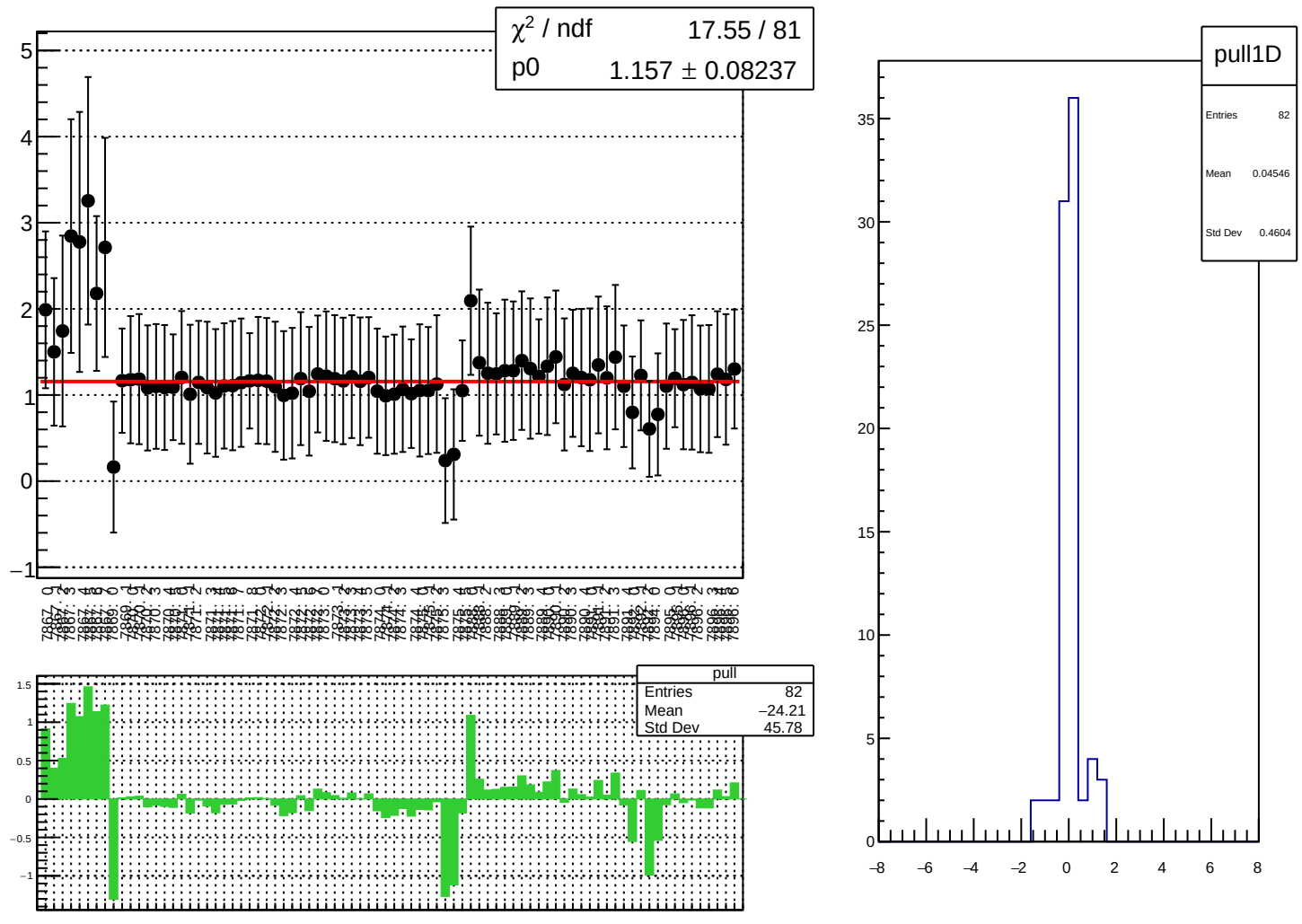

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 74.07 / 81
p0 23.26 ± 2.042
pull
Entries 82
Mean 29.79
Std Dev 30.6
pull1D
Entries 82
Mean 0.3082
Std Dev 0.8991

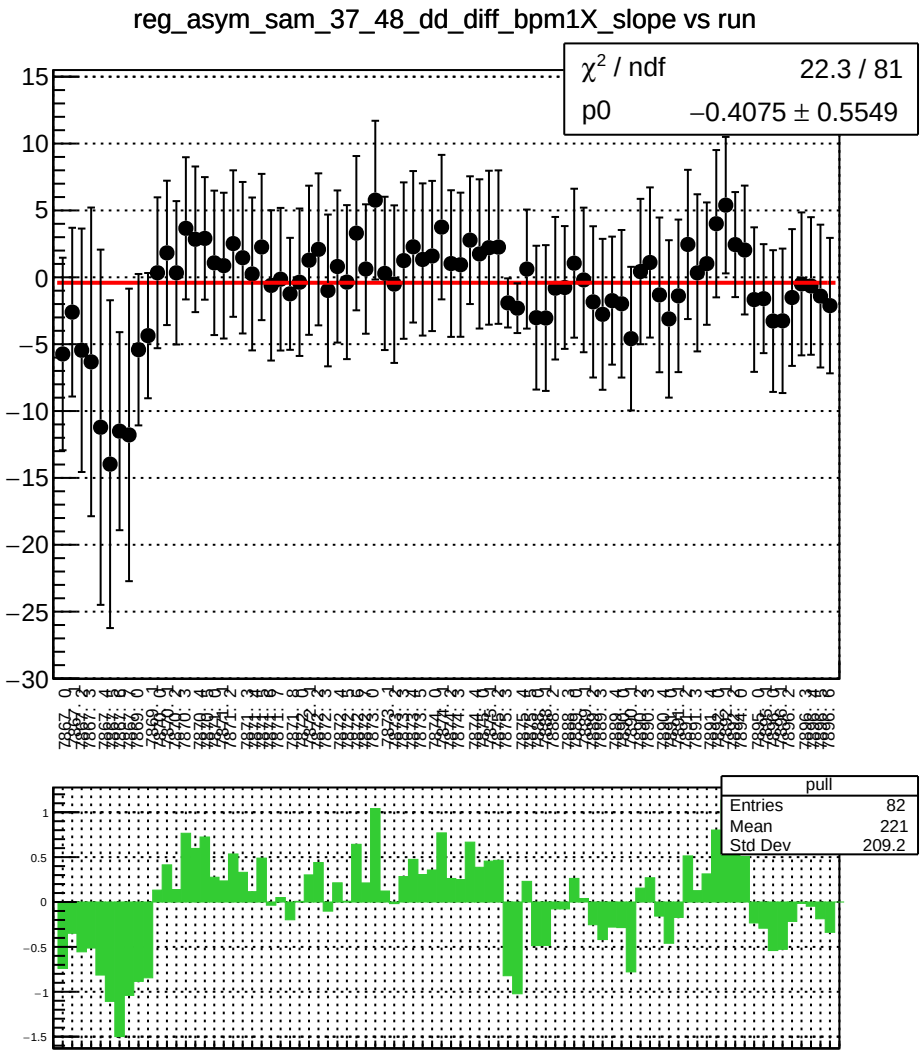

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.675 / 81
p0 −16 ± 2.263
pull
Entries 82
Mean 37.2
Std Dev 35.58
pull1D
Entries 82
Mean −0.04869
Std Dev 0.3216

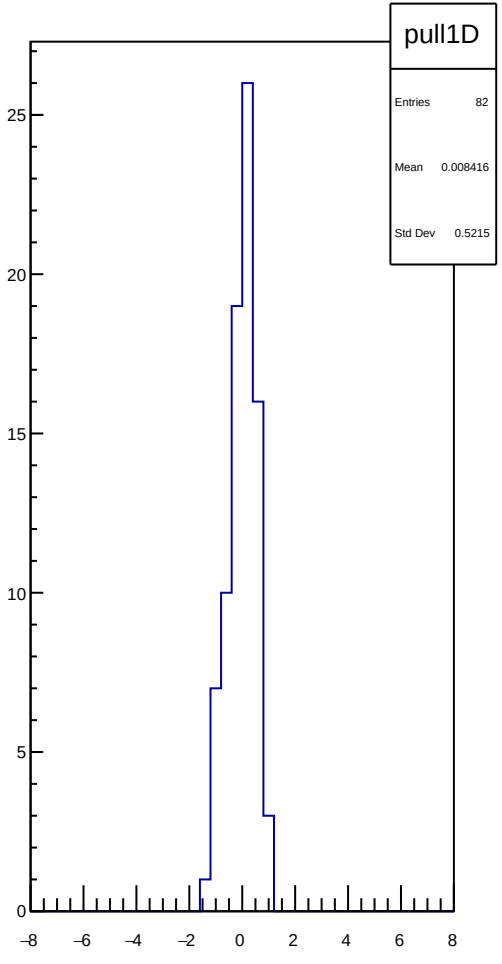

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.2 / 81
p0 36.8 ± 1.721
pull
Entries 82
Mean 33.17
Std Dev 30.21
pull1D
Entries 82
Mean −0.3874
Std Dev 0.9557

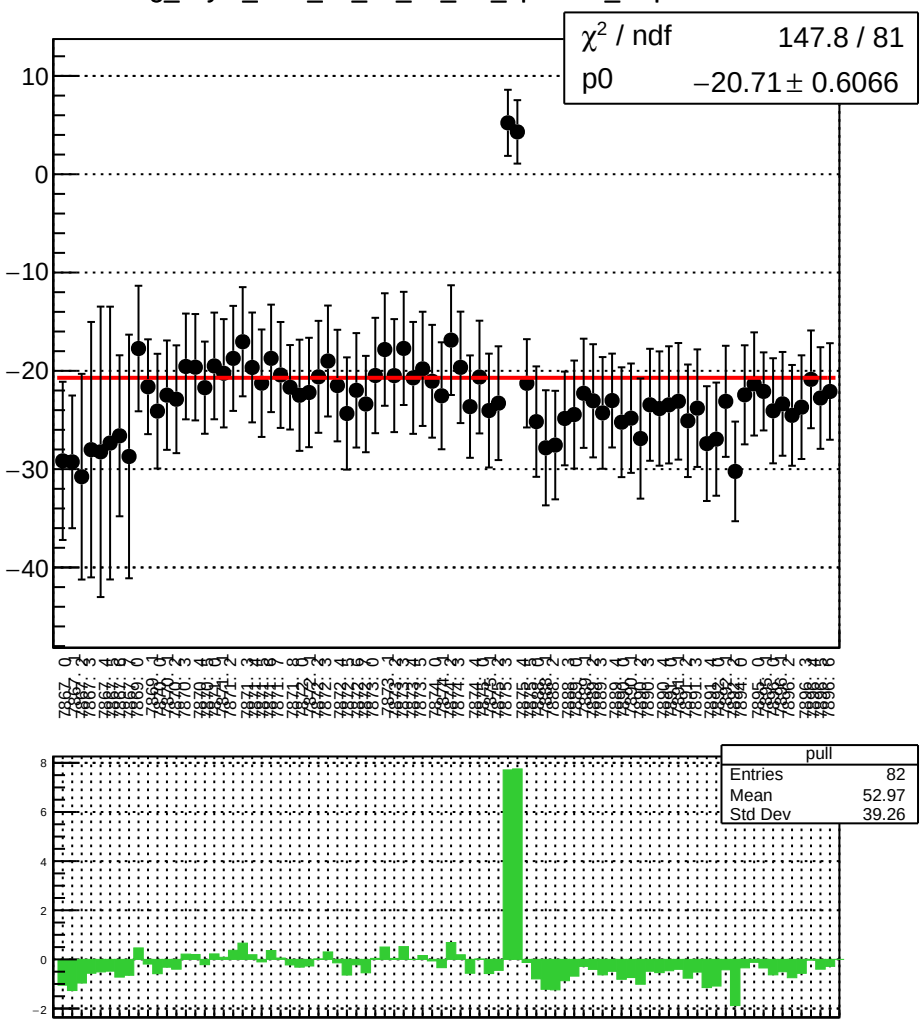

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.969 / 81
p0 −11.43 ± 2.626
pull
Entries 82
Mean 33.13
Std Dev 42.48

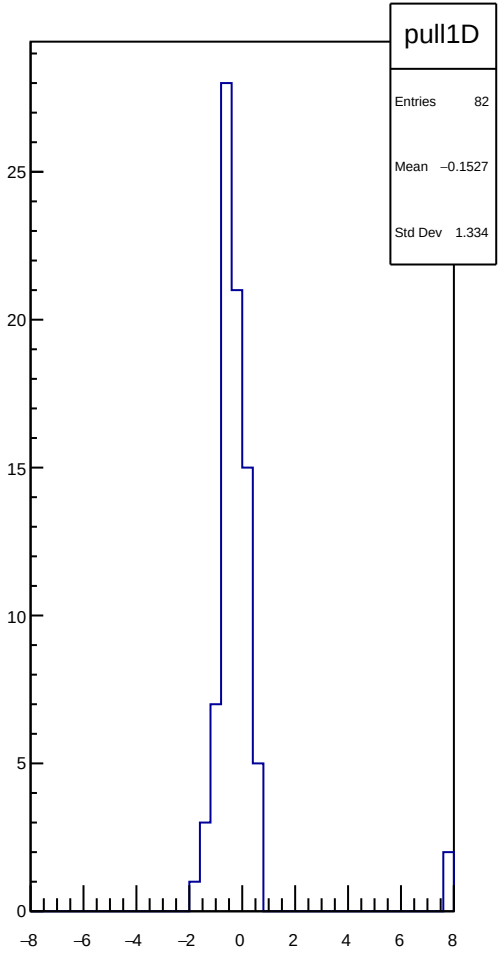

pull1D
Entries 82
Mean 0.0306
Std Dev 0.2681

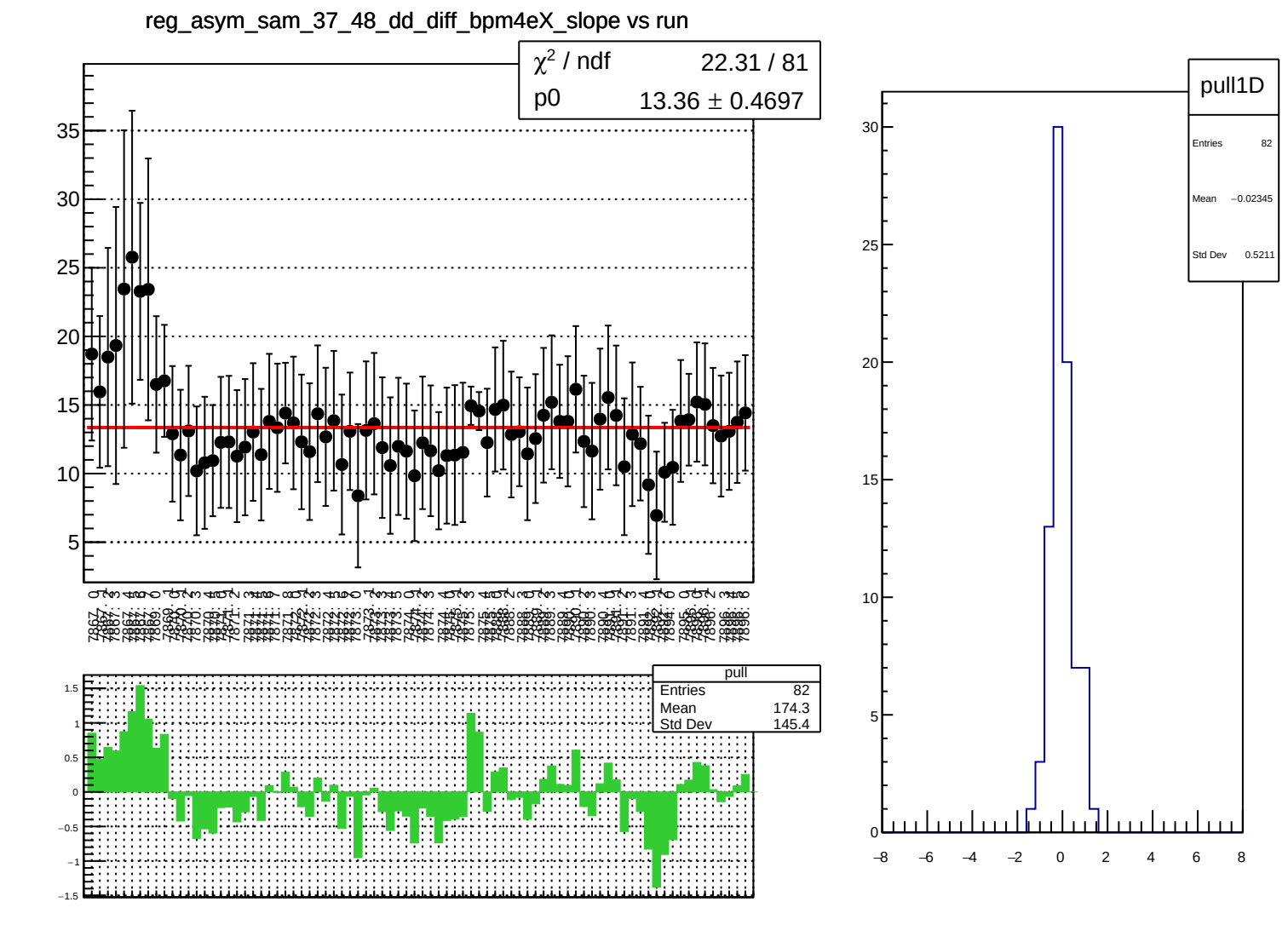

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 17.55 / 81
p0 1.157 ± 0.08237
pull
Entries 82
Mean −24.21
Std Dev 45.78
pull1D
Entries 82
Mean 0.04546
Std Dev 0.4604

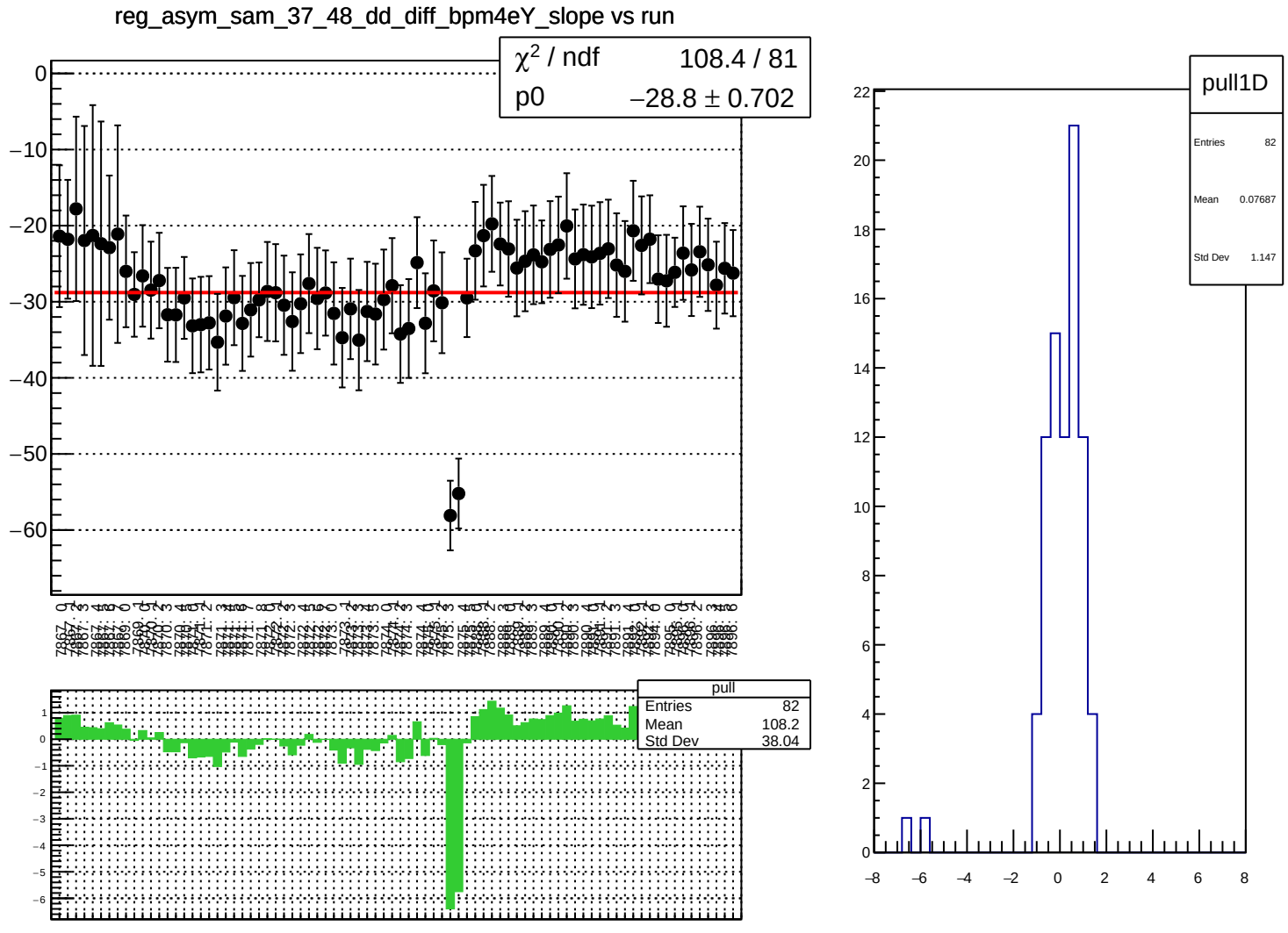

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 22.3 / 81
p0 −0.4075 ± 0.5549
pull
Entries 82
Mean 221
Std Dev 209.2

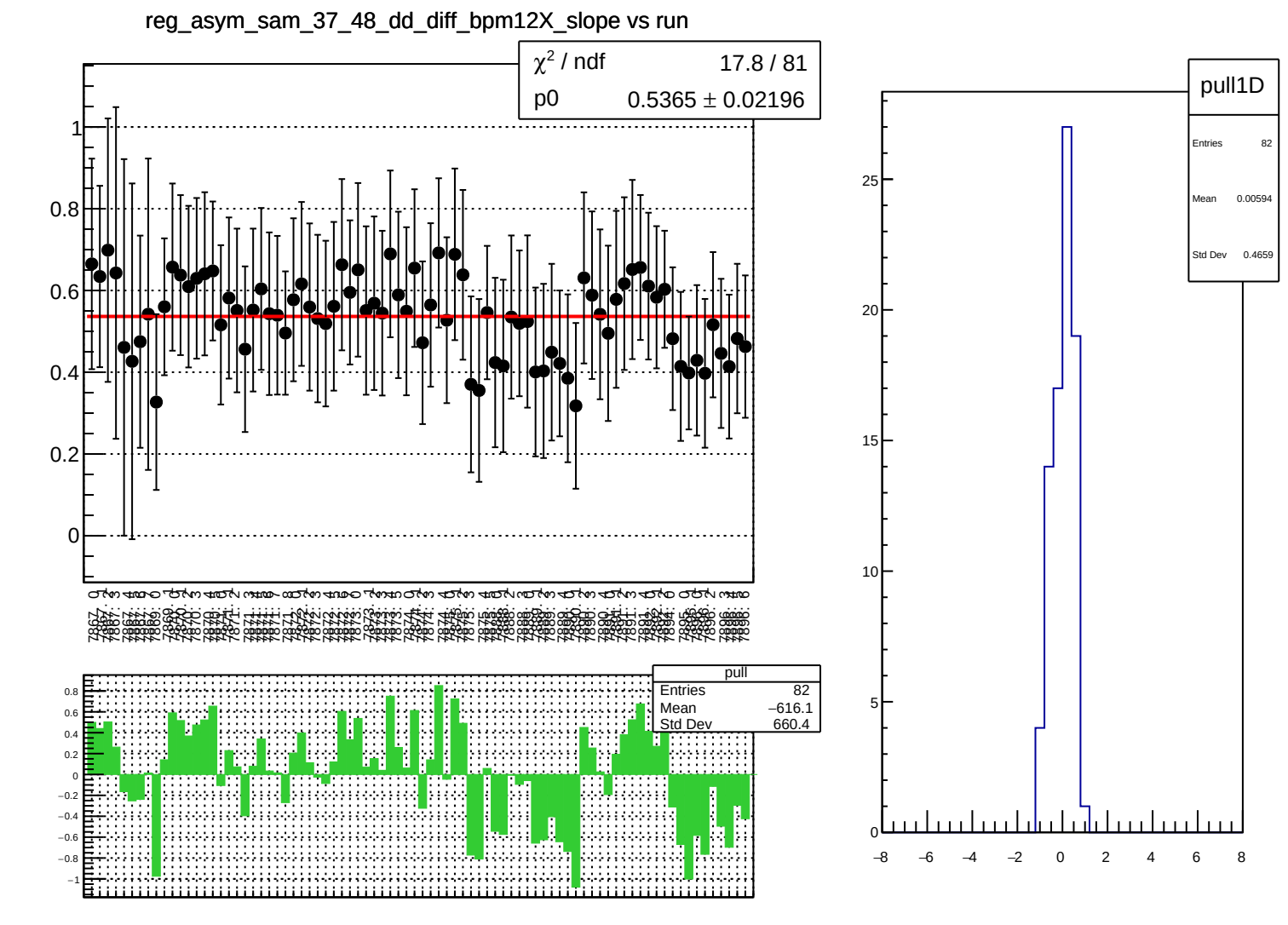

pull1D
Entries 82
Mean 0.008416
Std Dev 0.5215

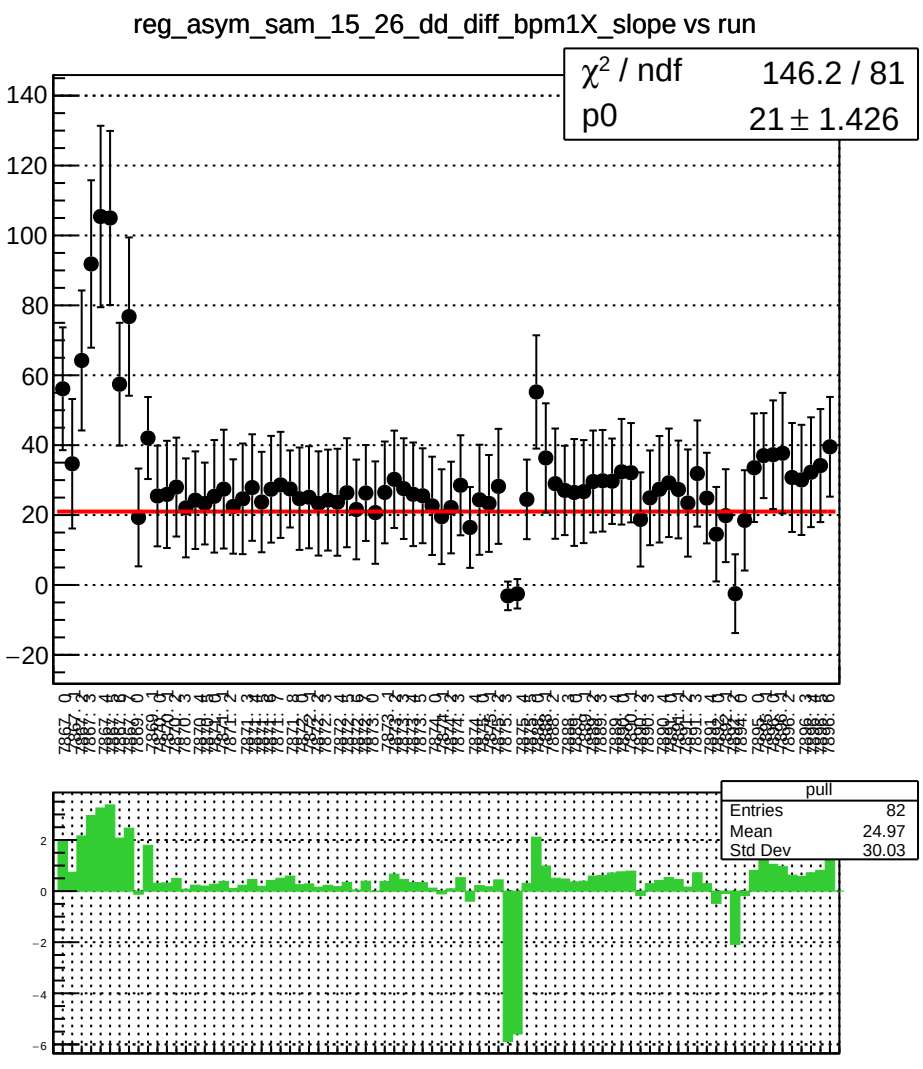

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 147.8 / 81
p0 −20.71 ± 0.6066
pull
Entries 82
Mean 52.97
Std Dev 39.26

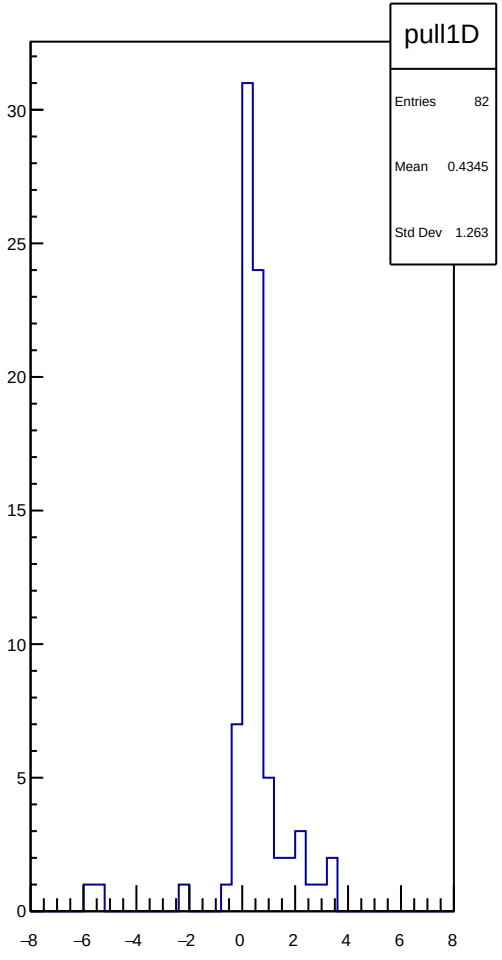

pull1D
Entries 82
Mean −0.1527
Std Dev 1.334

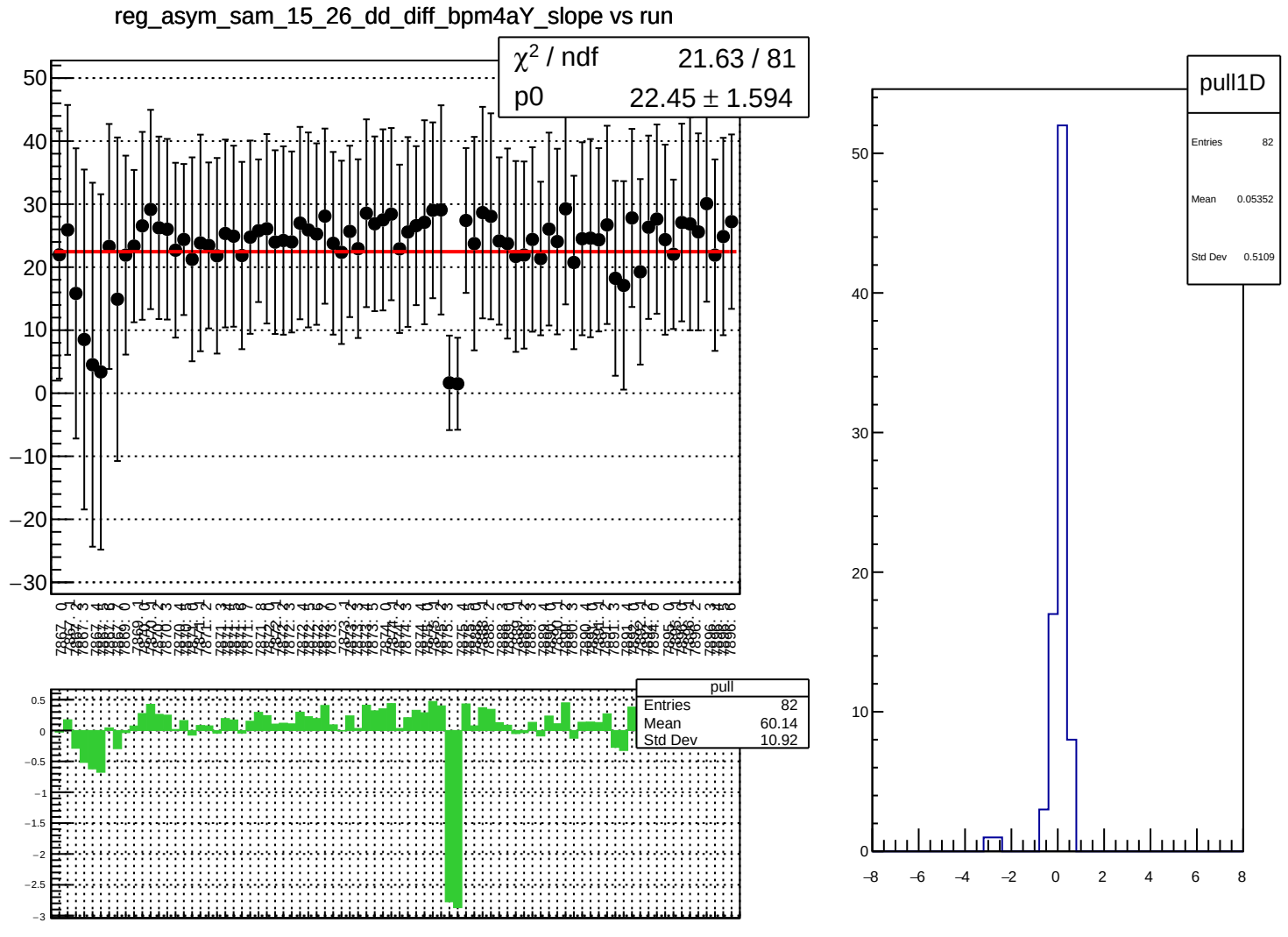

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.31 / 81
p0 13.36 ± 0.4697
pull
Entries 82
Mean 174.3
Std Dev 145.4
pull1D
Entries 82
Mean −0.02345
Std Dev 0.5211

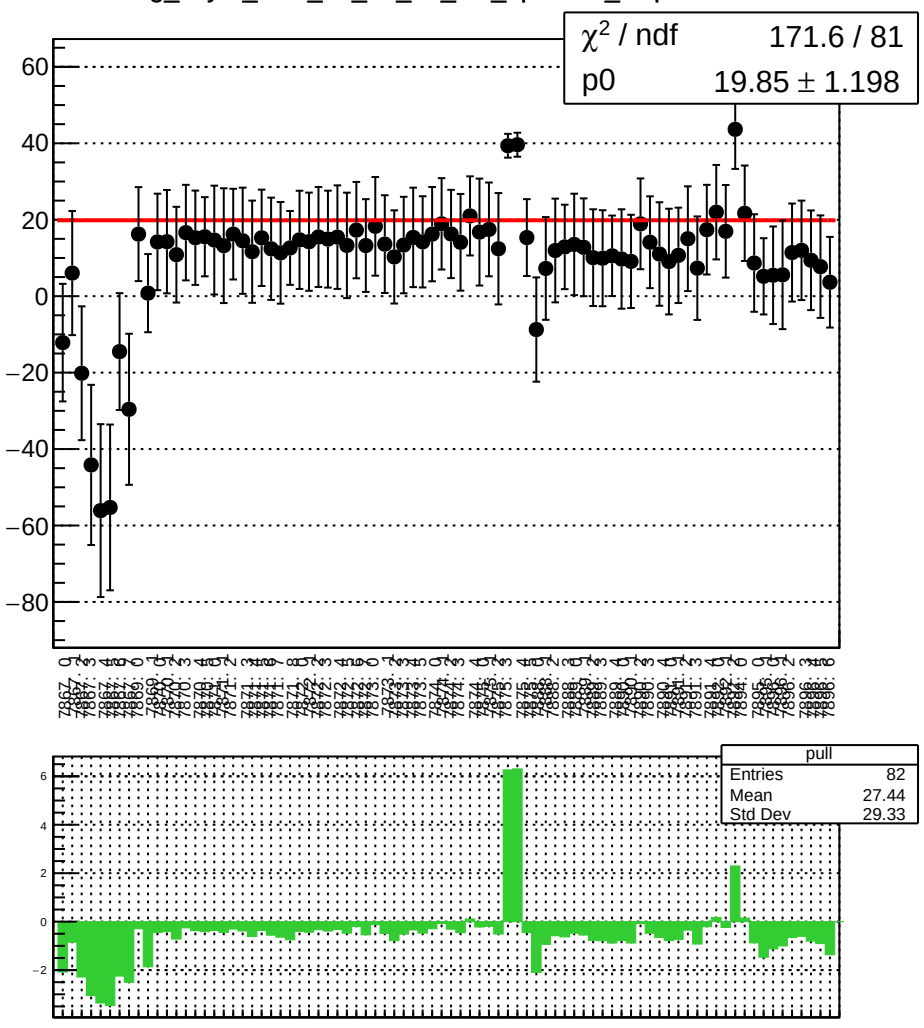

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 108.4 / 81
p0 −28.8 ± 0.702
pull
Entries 82
Mean 108.2
Std Dev 38.04
pull1D
Entries 82
Mean 0.07687
Std Dev 1.147

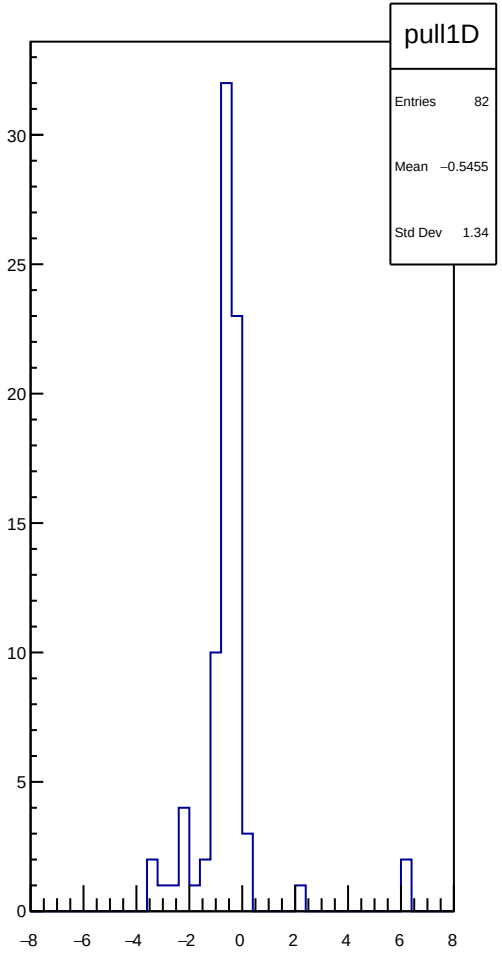

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 17.8 / 81
p0 0.5365 ± 0.02196
pull
Entries 82
Mean −616.1
Std Dev 660.4
pull1D
Entries 82
Mean 0.00594
Std Dev 0.4659

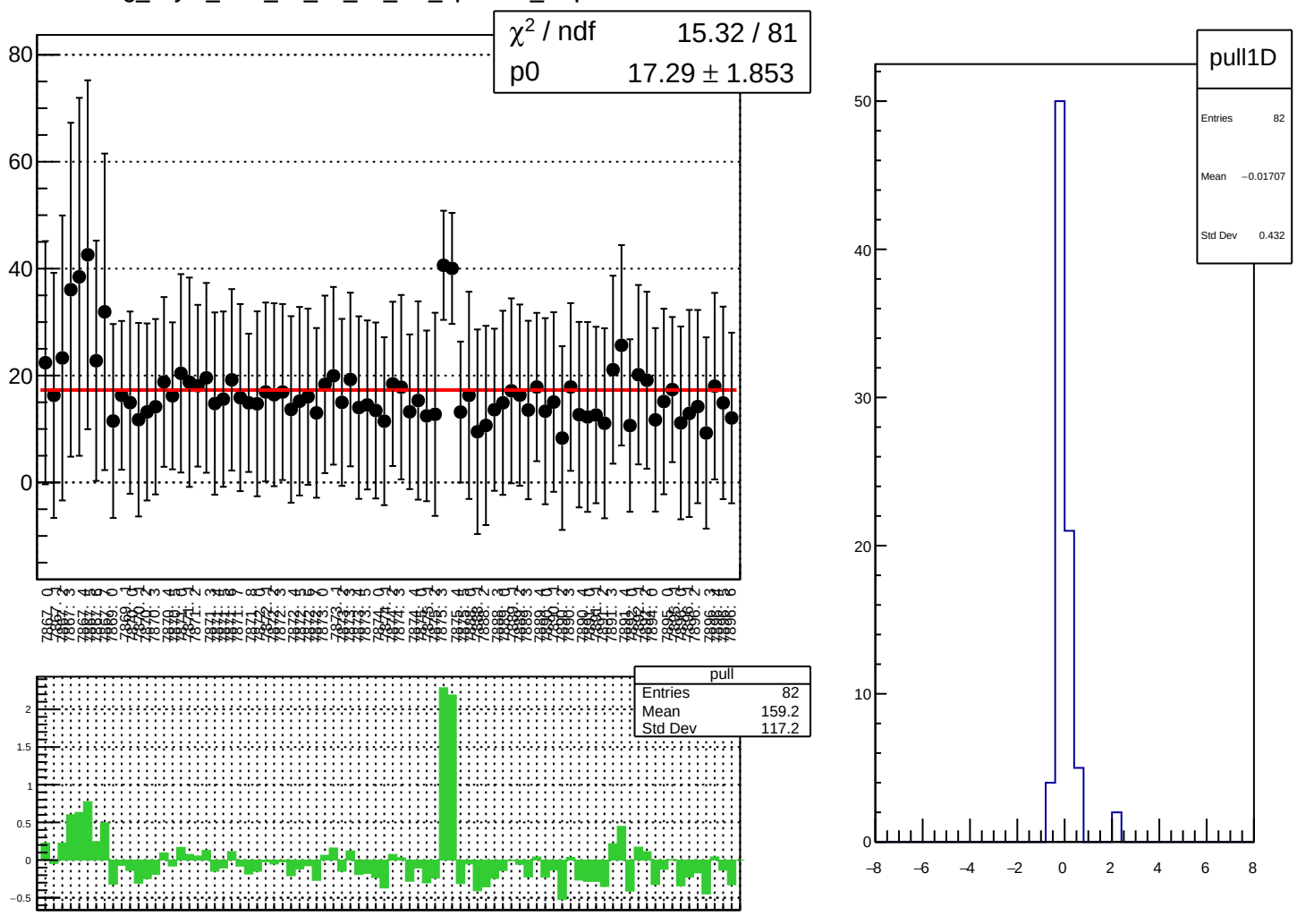

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 146.2 / 81
p0 21 ± 1.426
pull
Entries 82
Mean 24.97
Std Dev 30.03

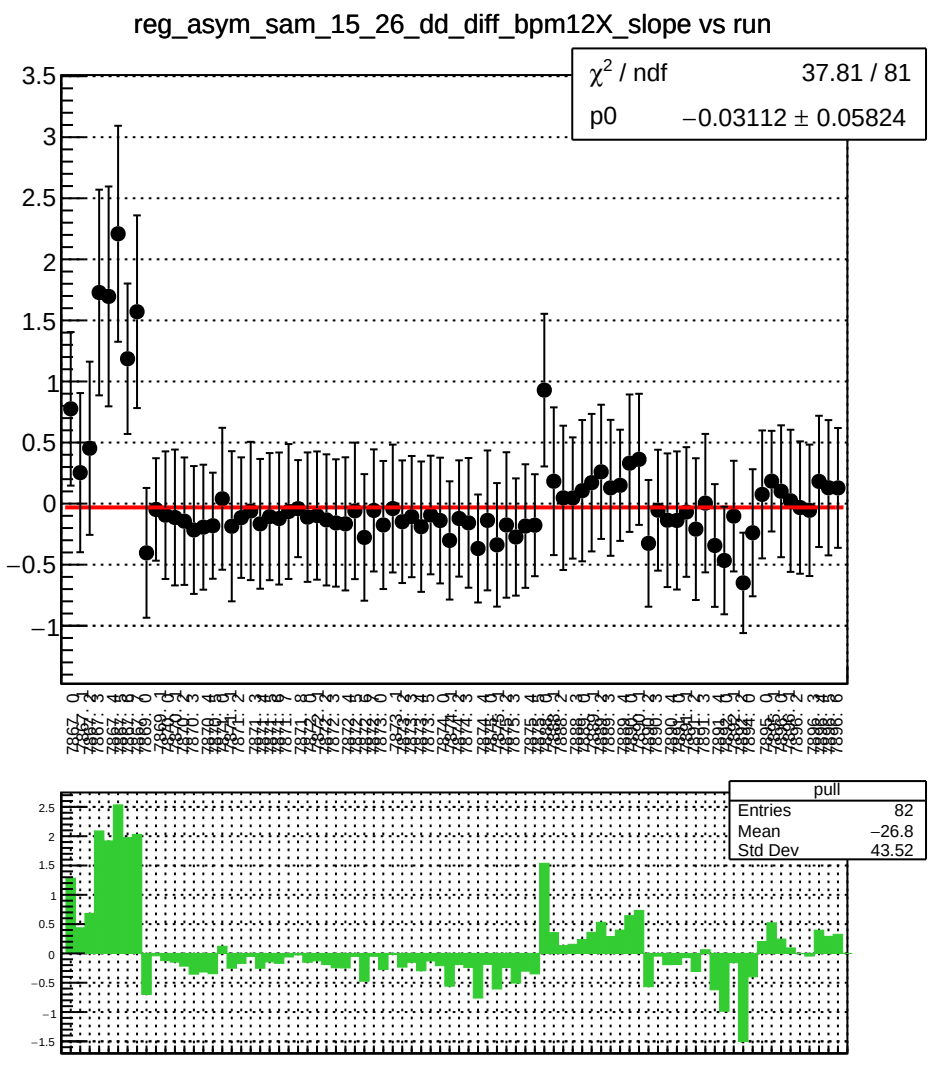

pull1D
Entries 82
Mean 0.4345
Std Dev 1.263

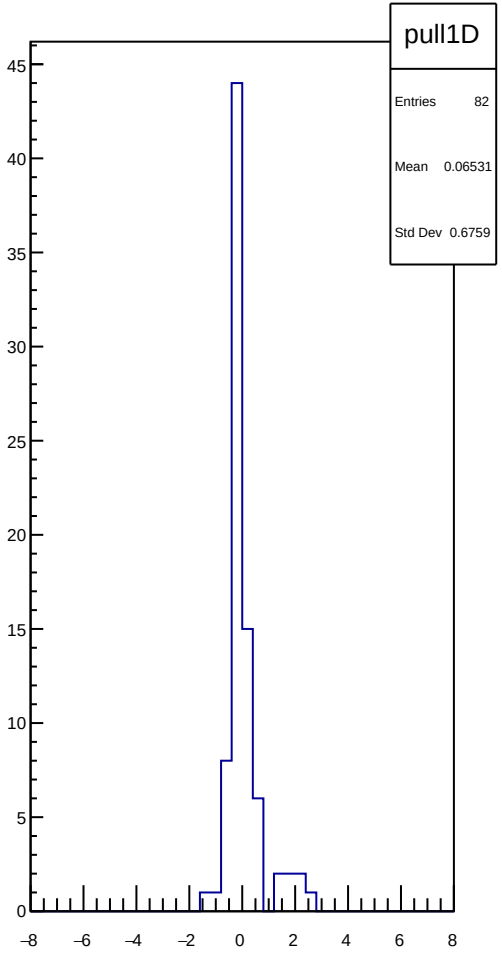

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.63 / 81
p0 22.45 ± 1.594
pull
Entries 82
Mean 60.14
Std Dev 10.92
pull1D
Entries 82
Mean 0.05352
Std Dev 0.5109

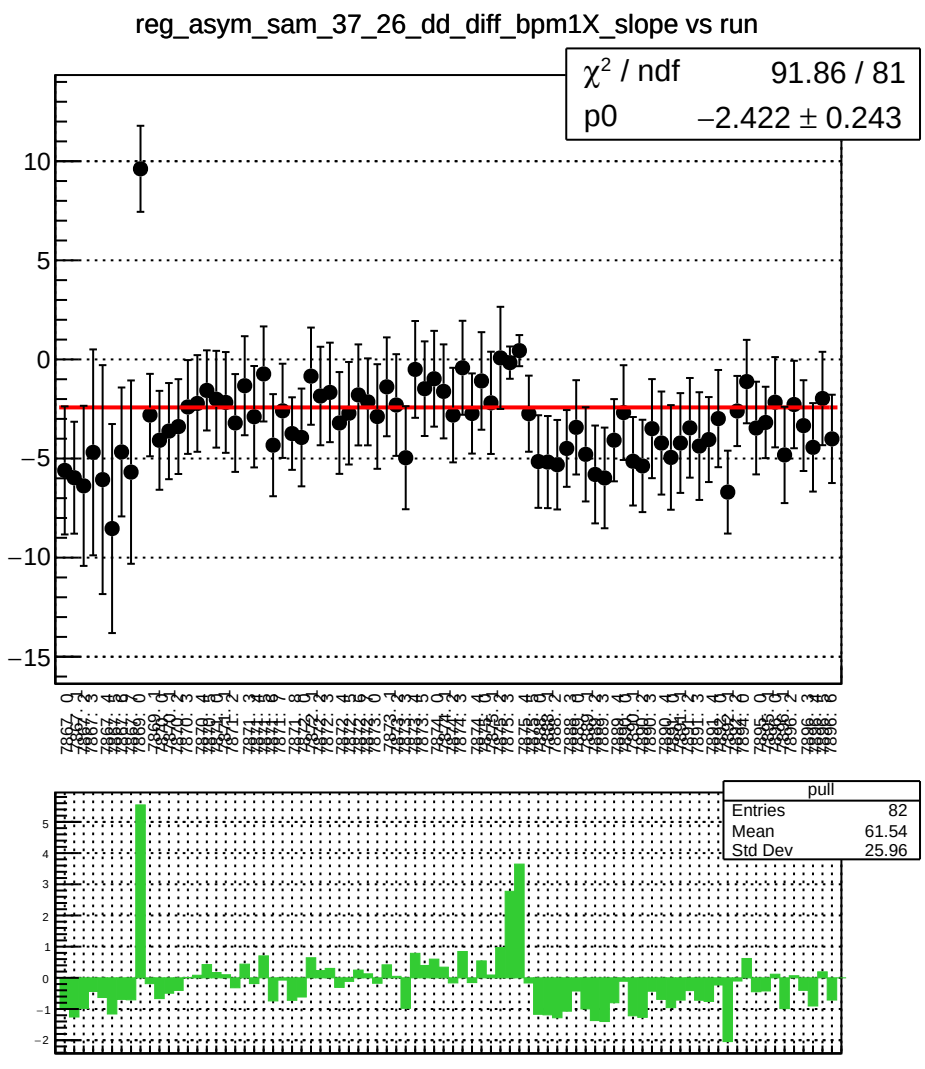

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 171.6 / 81
p0 19.85 ± 1.198
pull
Entries 82
Mean 27.44
Std Dev 29.33

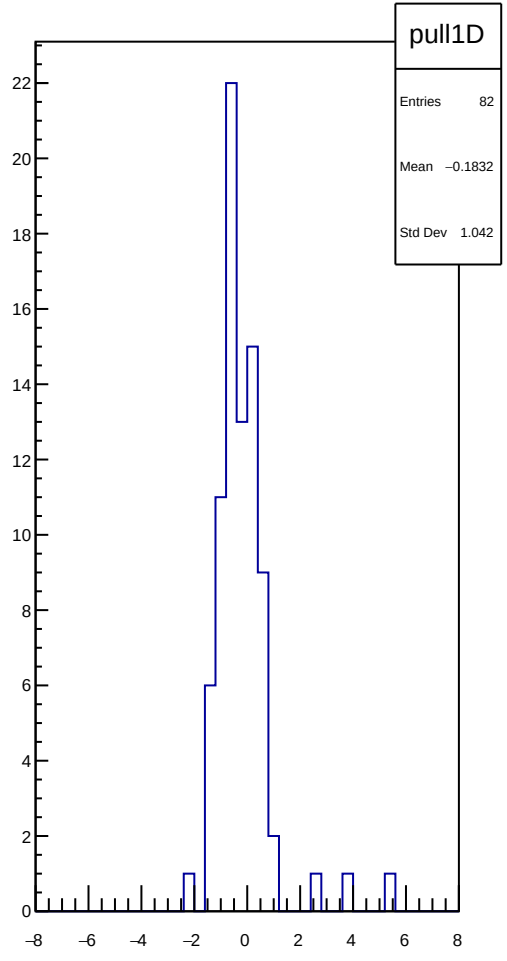

pull1D
Entries 82
Mean −0.5455
Std Dev 1.34

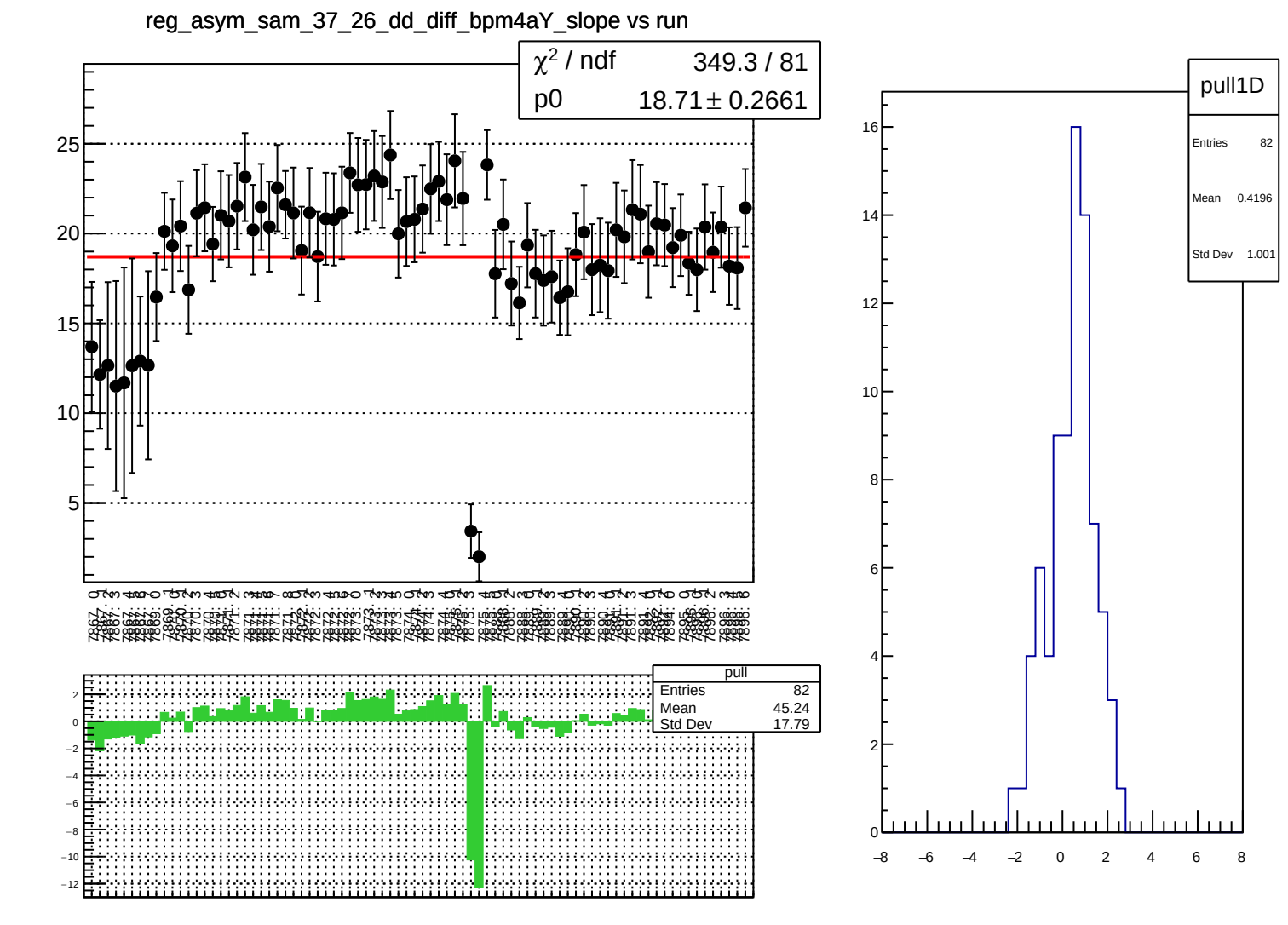

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.32 / 81
p0 17.29 ± 1.853
pull
Entries 82
Mean 159.2
Std Dev 117.2
pull1D
Entries 82
Mean −0.01707
Std Dev 0.432

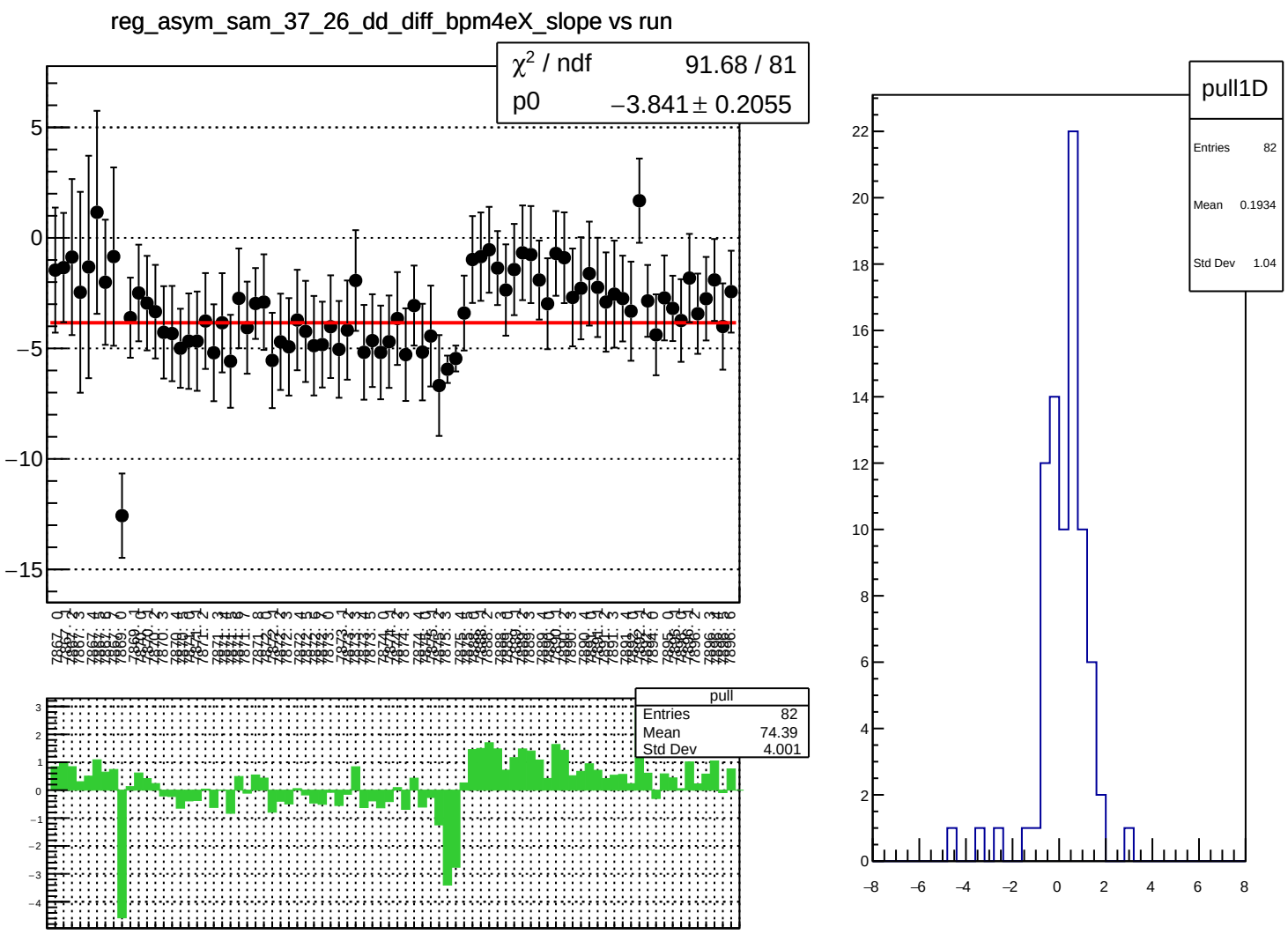

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 37.81 / 81
p0 −0.03112 ± 0.05824
pull
Entries 82
Mean −26.8
Std Dev 43.52

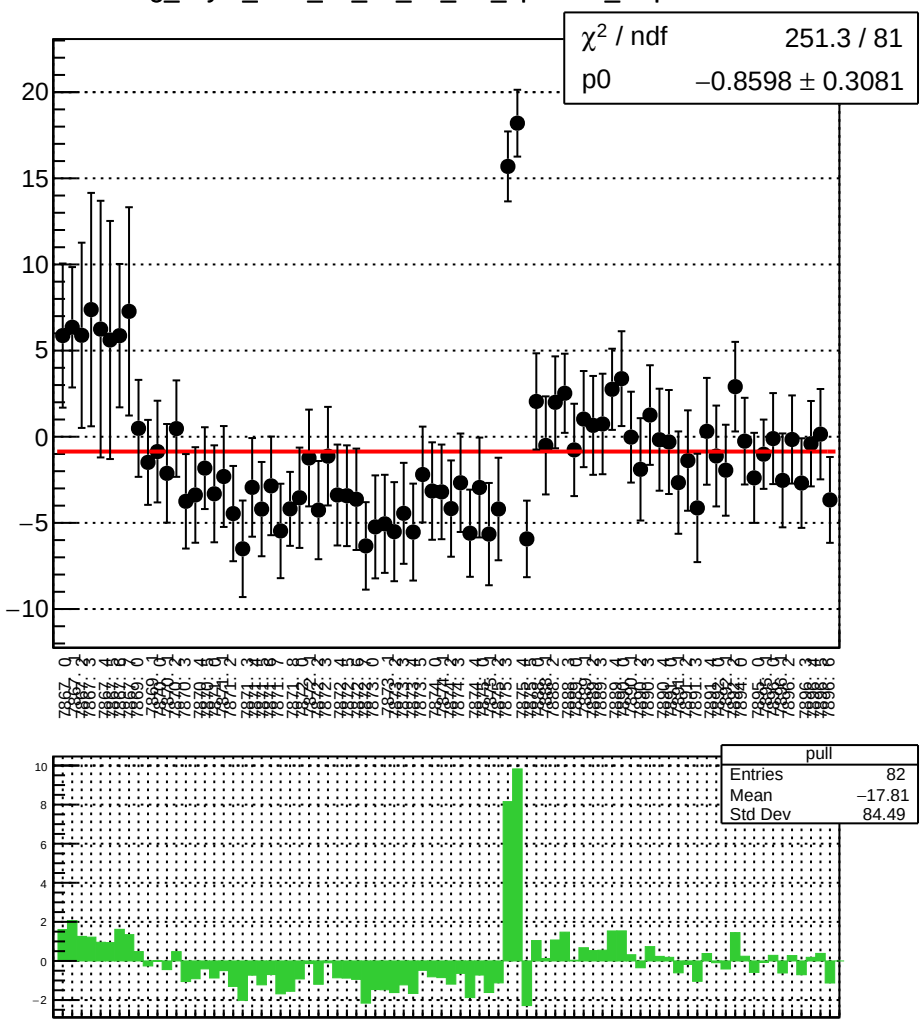

pull1D
Entries 82
Mean 0.06531
Std Dev 0.6759

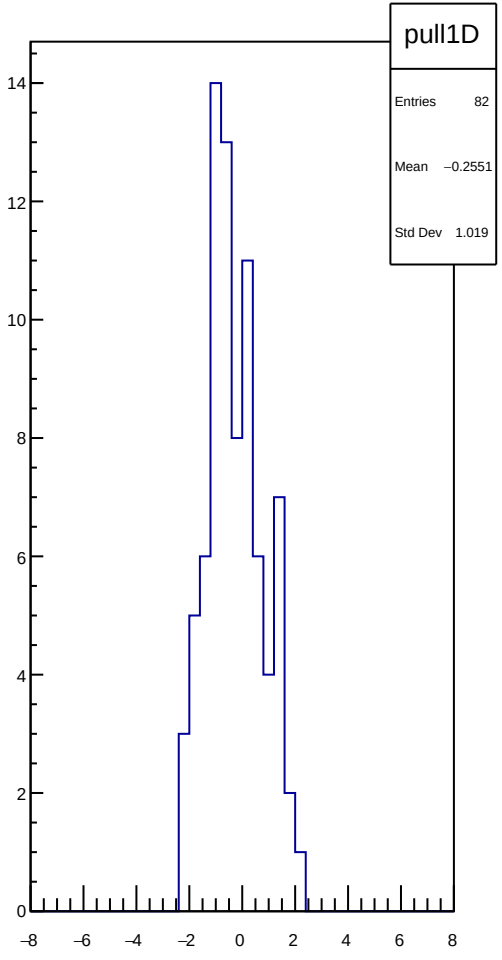

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 91.86 / 81
p0 −2.422 ± 0.243
pull
Entries 82
Mean 61.54
Std Dev 25.96

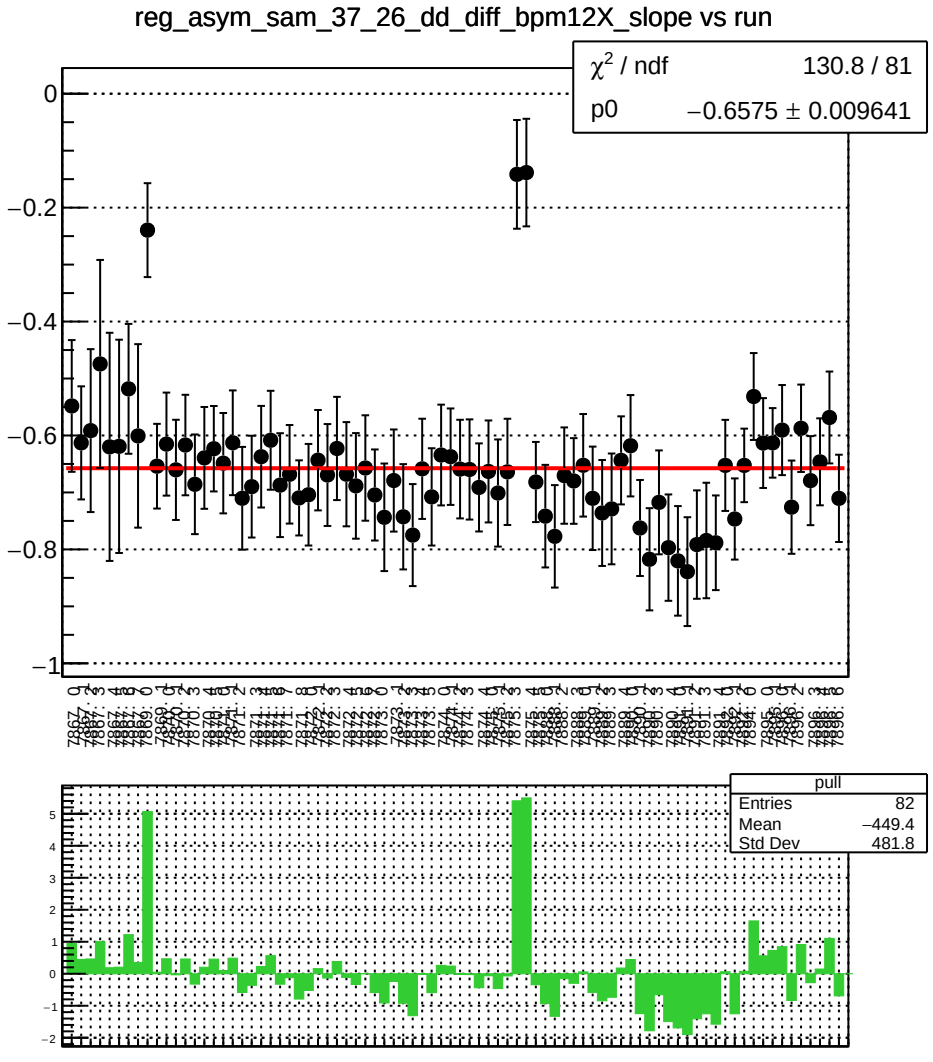

pull1D
Entries 82
Mean −0.1832
Std Dev 1.042

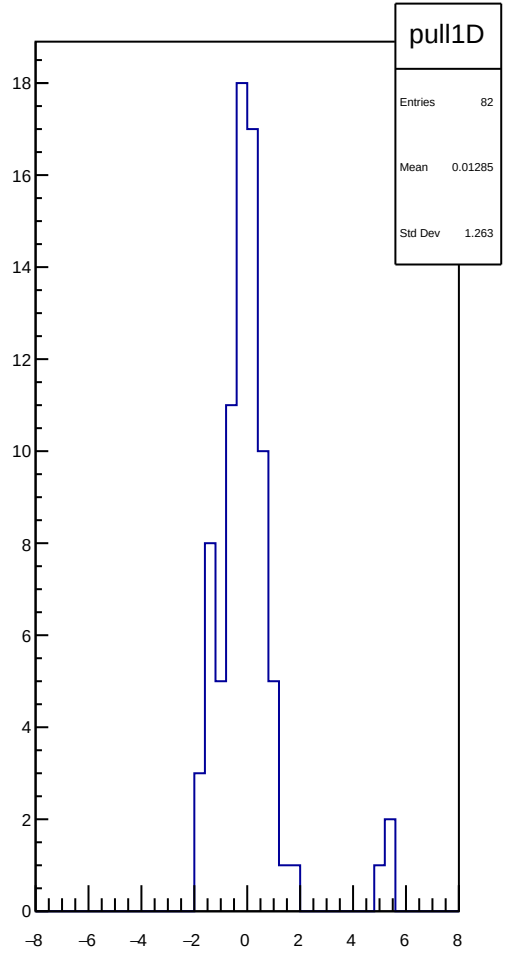

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 349.3 / 81
p0 18.71 ± 0.2661
pull
Entries 82
Mean 45.24
Std Dev 17.79
pull1D
Entries 82
Mean 0.4196
Std Dev 1.001

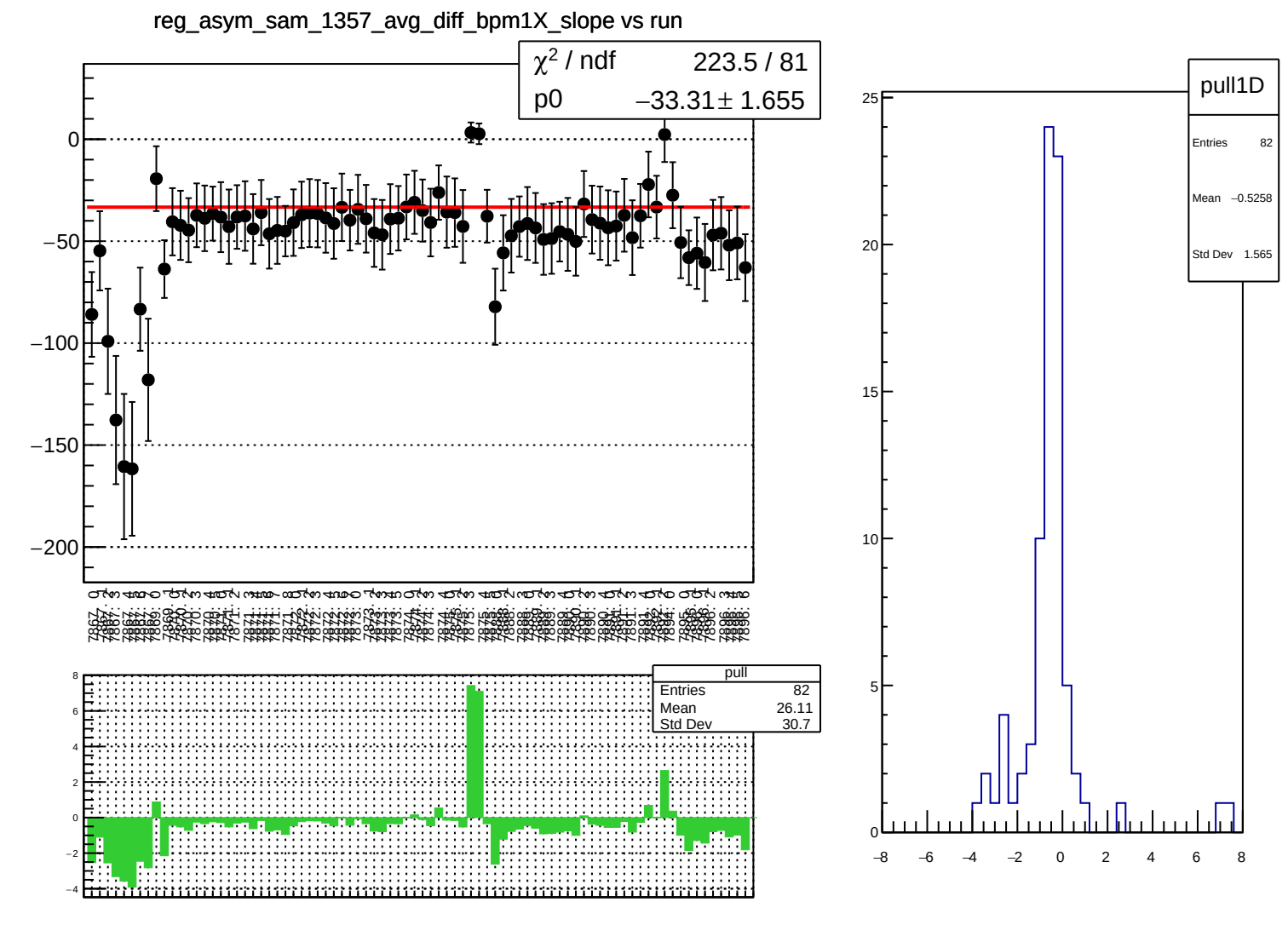

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.68 / 81
p0 −3.841 ± 0.2055
pull
Entries 82
Mean 74.39
Std Dev 4.001
pull1D
Entries 82
Mean 0.1934
Std Dev 1.04

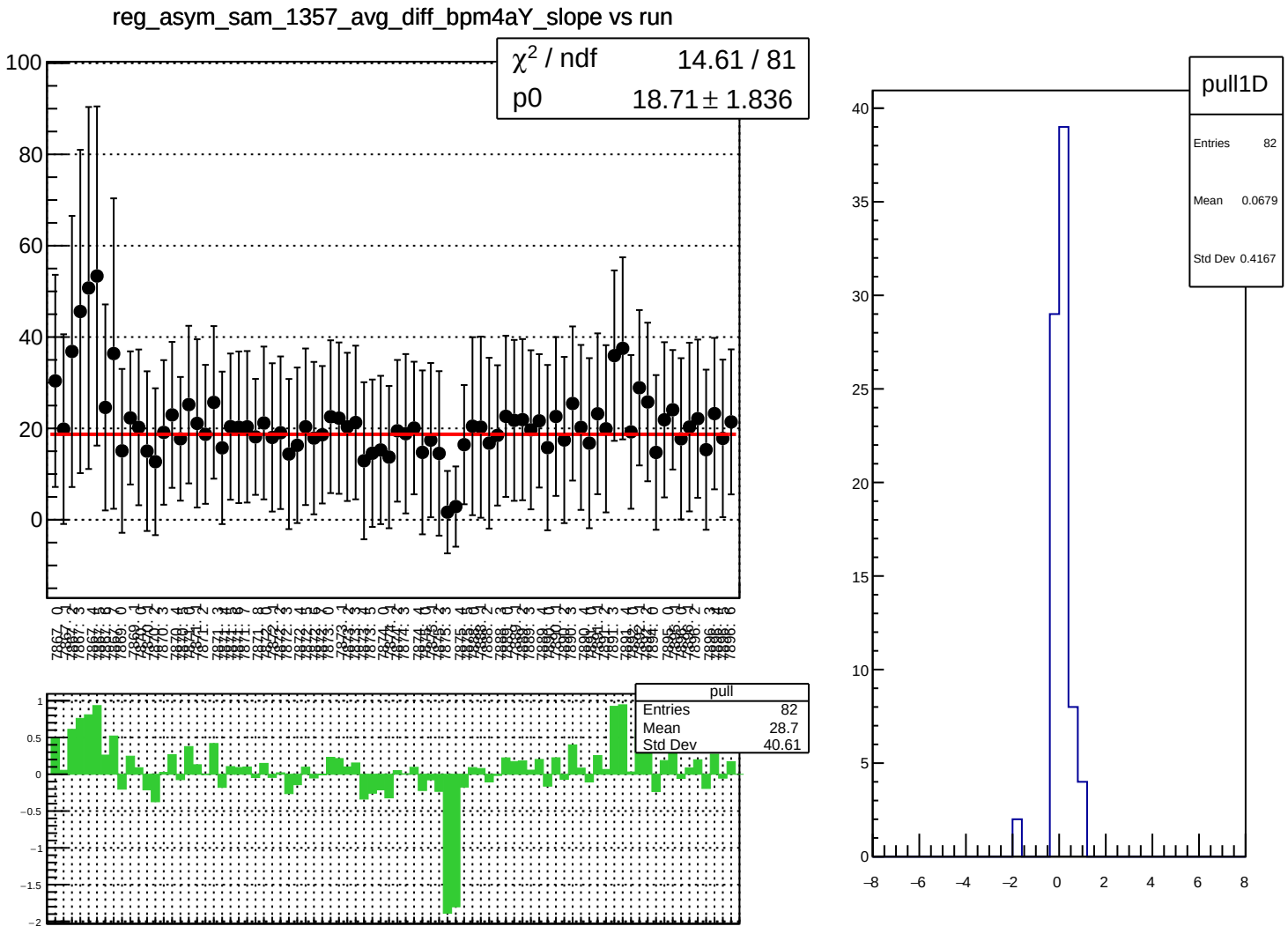

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 251.3 / 81
p0 −0.8598 ± 0.3081
pull
Entries 82
Mean −17.81
Std Dev 84.49

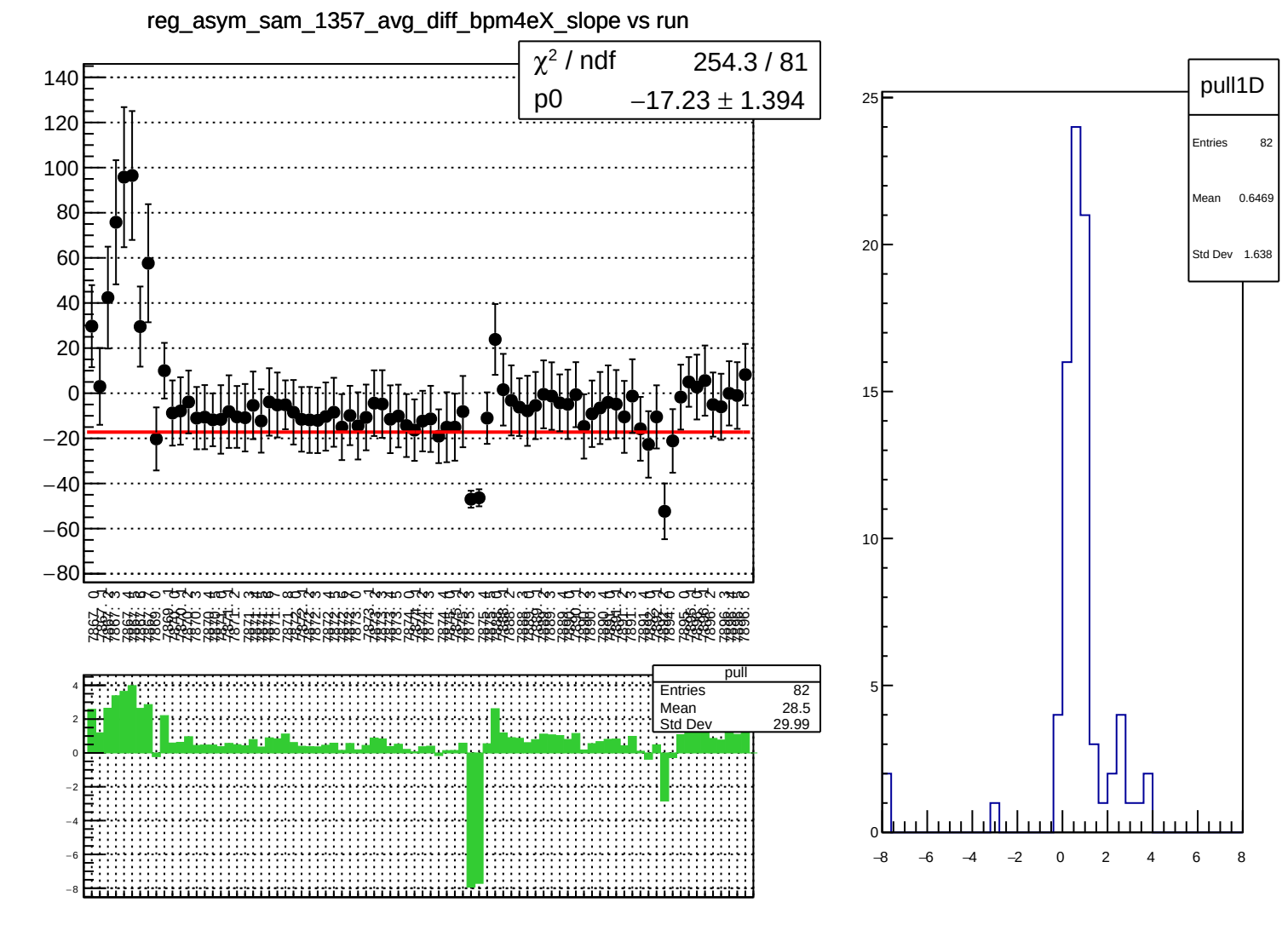

pull1D
Entries 82
Mean −0.2551
Std Dev 1.019

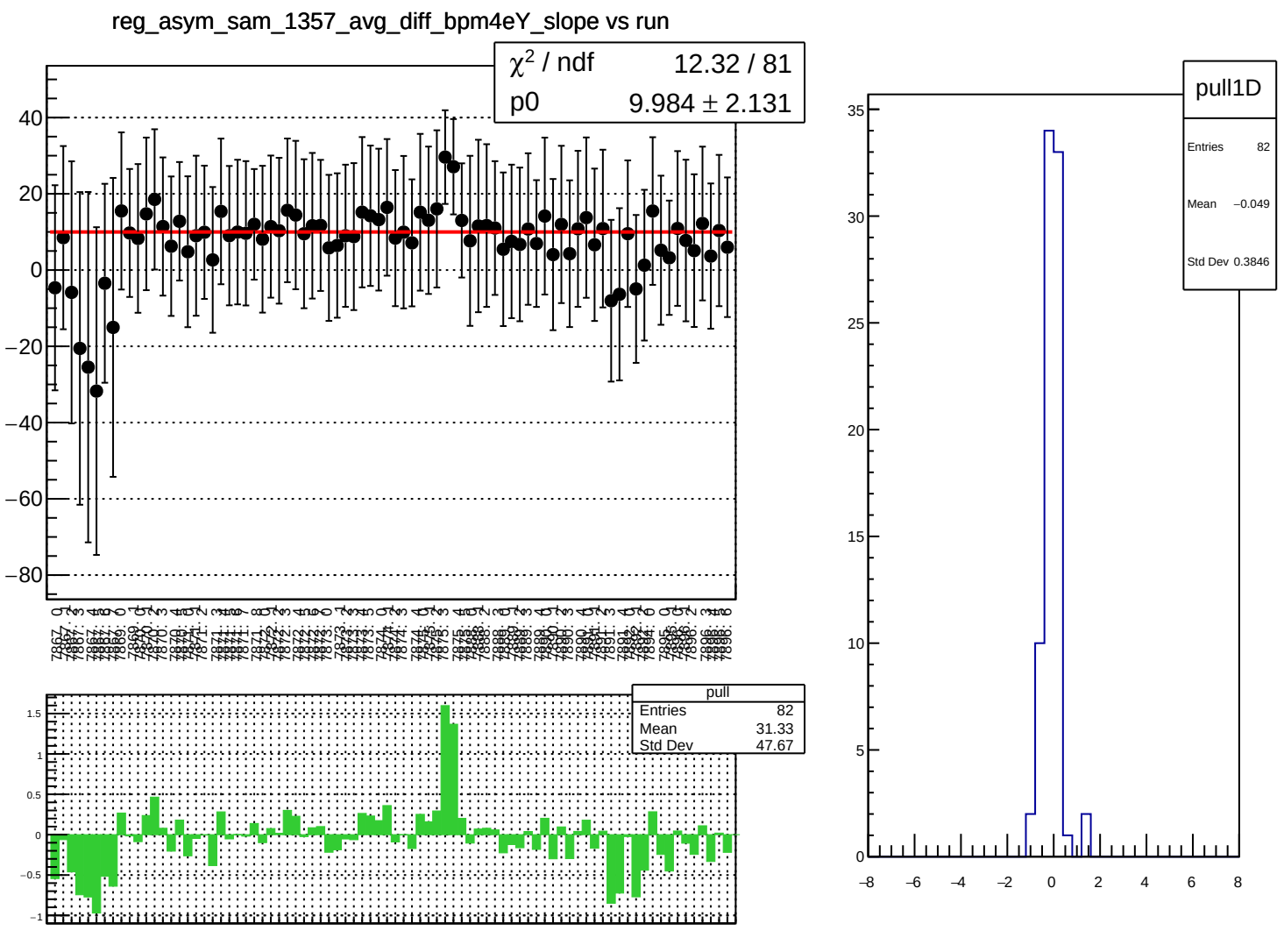

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 130.8 / 81
p0 −0.6575 ± 0.009641
pull
Entries 82
Mean −449.4
Std Dev 481.8

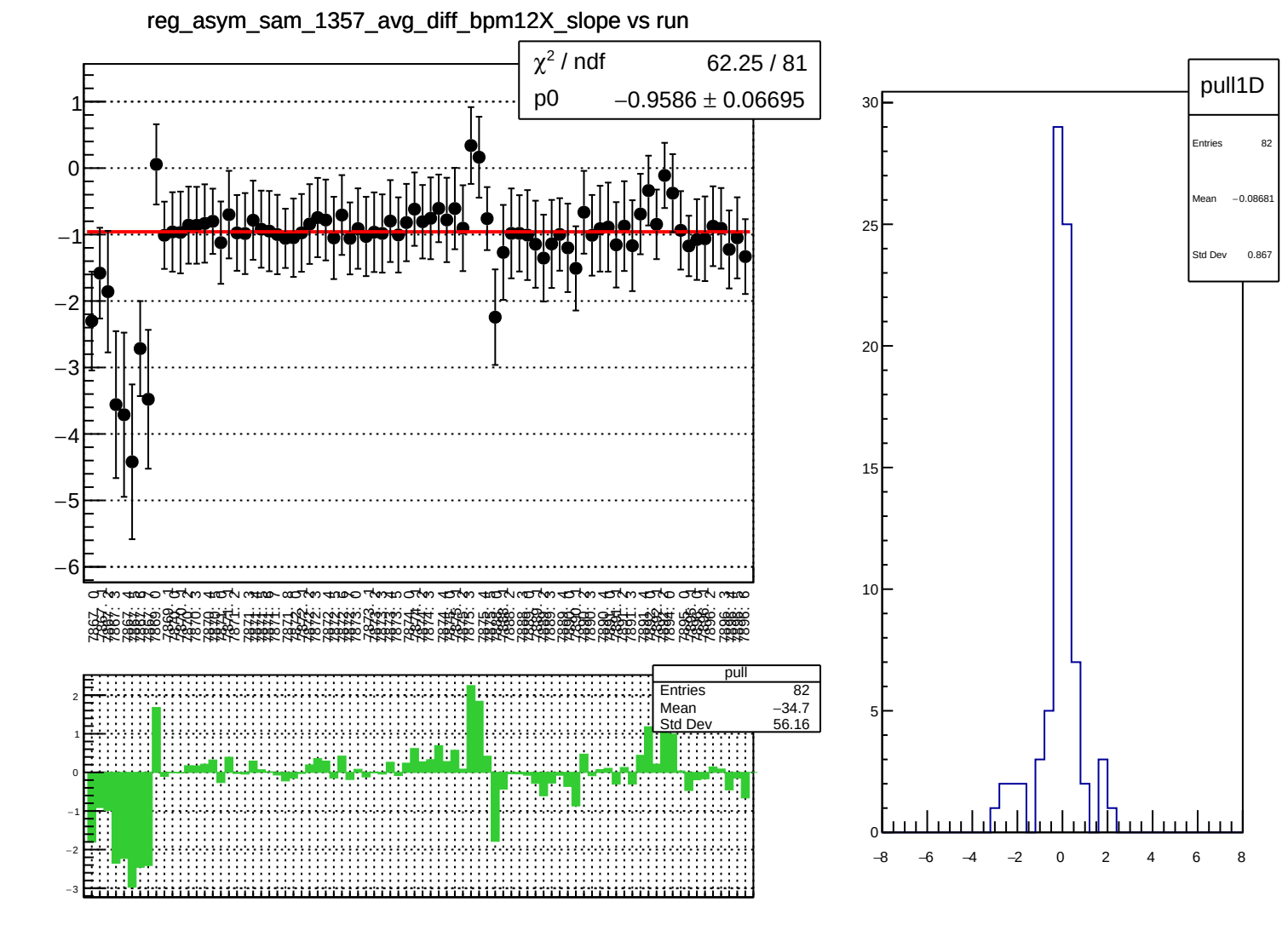

pull1D
Entries 82
Mean 0.01285
Std Dev 1.263

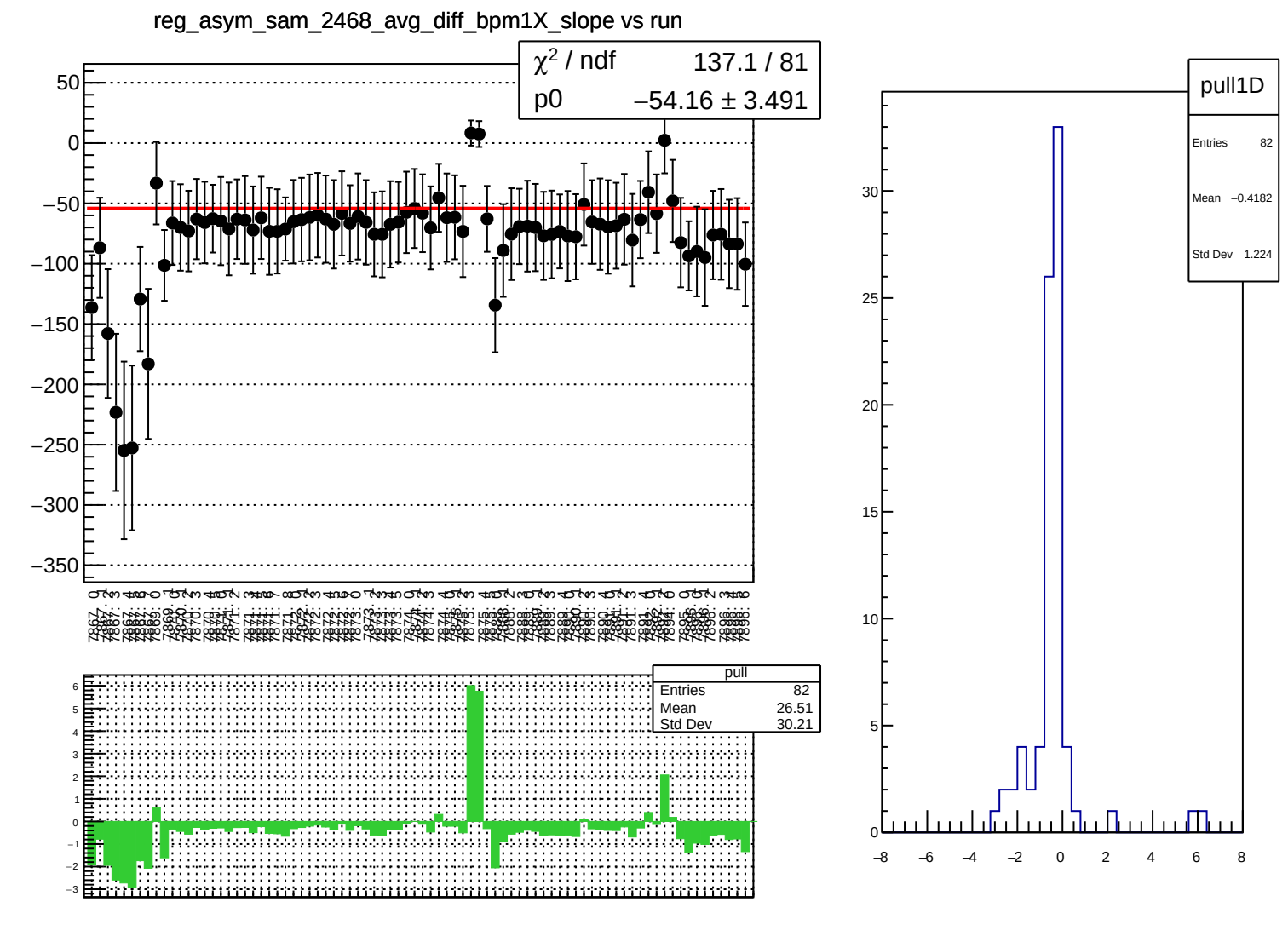

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 223.5 / 81
p0 −33.31 ± 1.655
pull
Entries 82
Mean 26.11
Std Dev 30.7
pull1D
Entries 82
Mean −0.5258
Std Dev 1.565

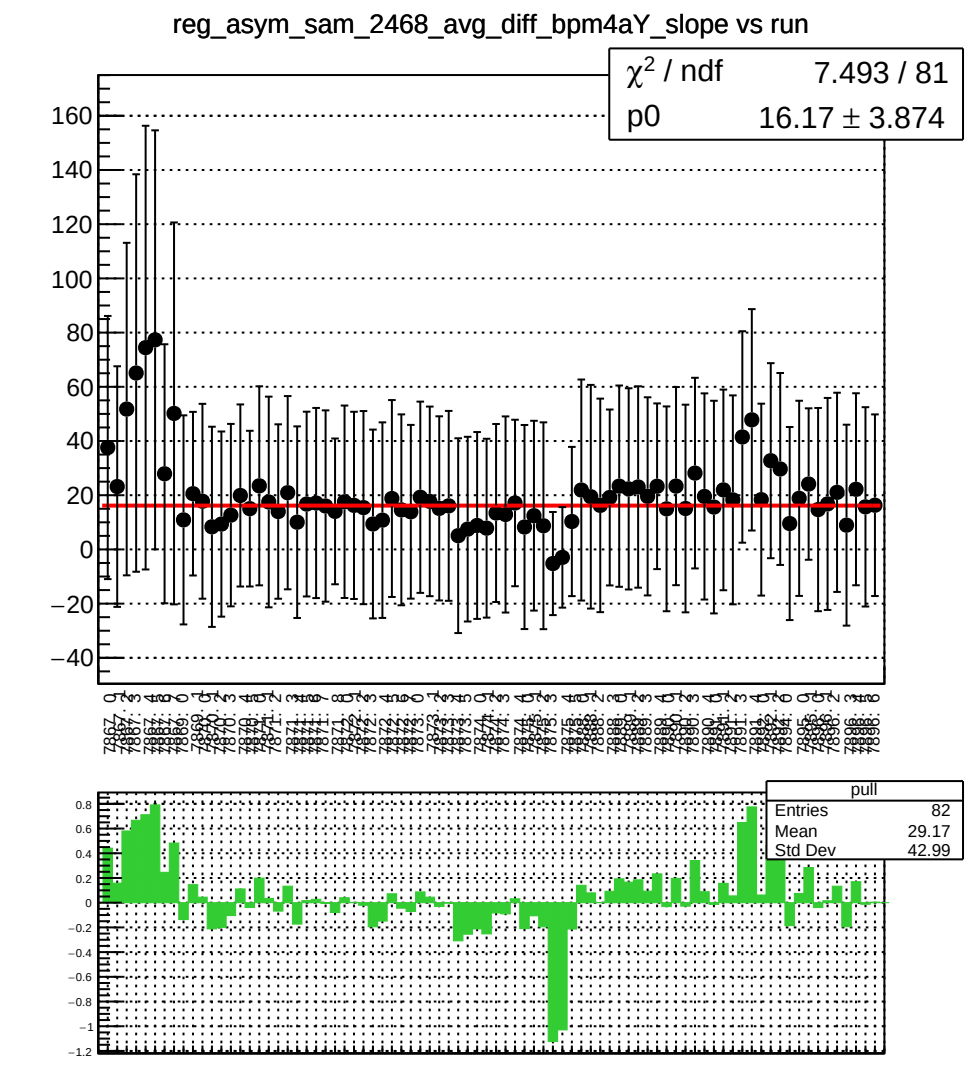

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.61 / 81
p0 18.71 ± 1.836
pull
Entries 82
Mean 28.7
Std Dev 40.61
pull1D
Entries 82
Mean 0.0679
Std Dev 0.4167

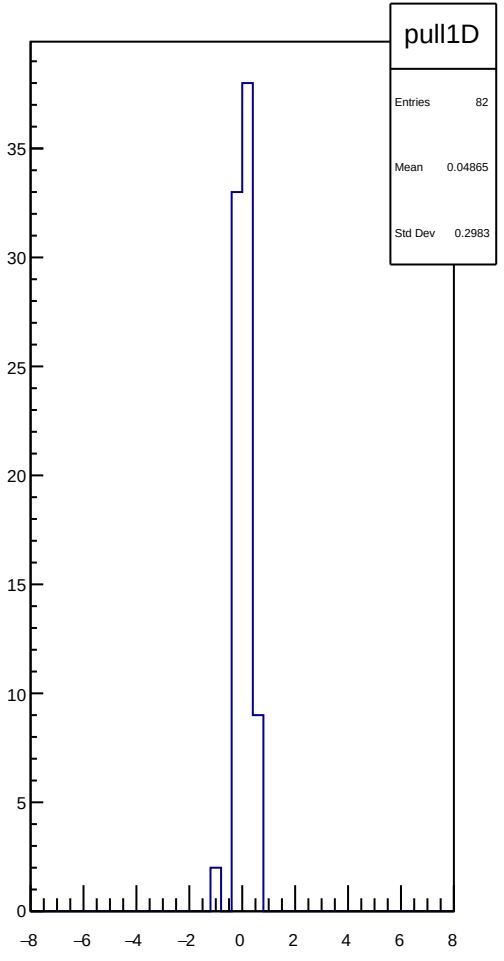

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 254.3 / 81
p0 −17.23 ± 1.394
pull
Entries 82
Mean 28.5
Std Dev 29.99
pull1D
Entries 82
Mean 0.6469
Std Dev 1.638

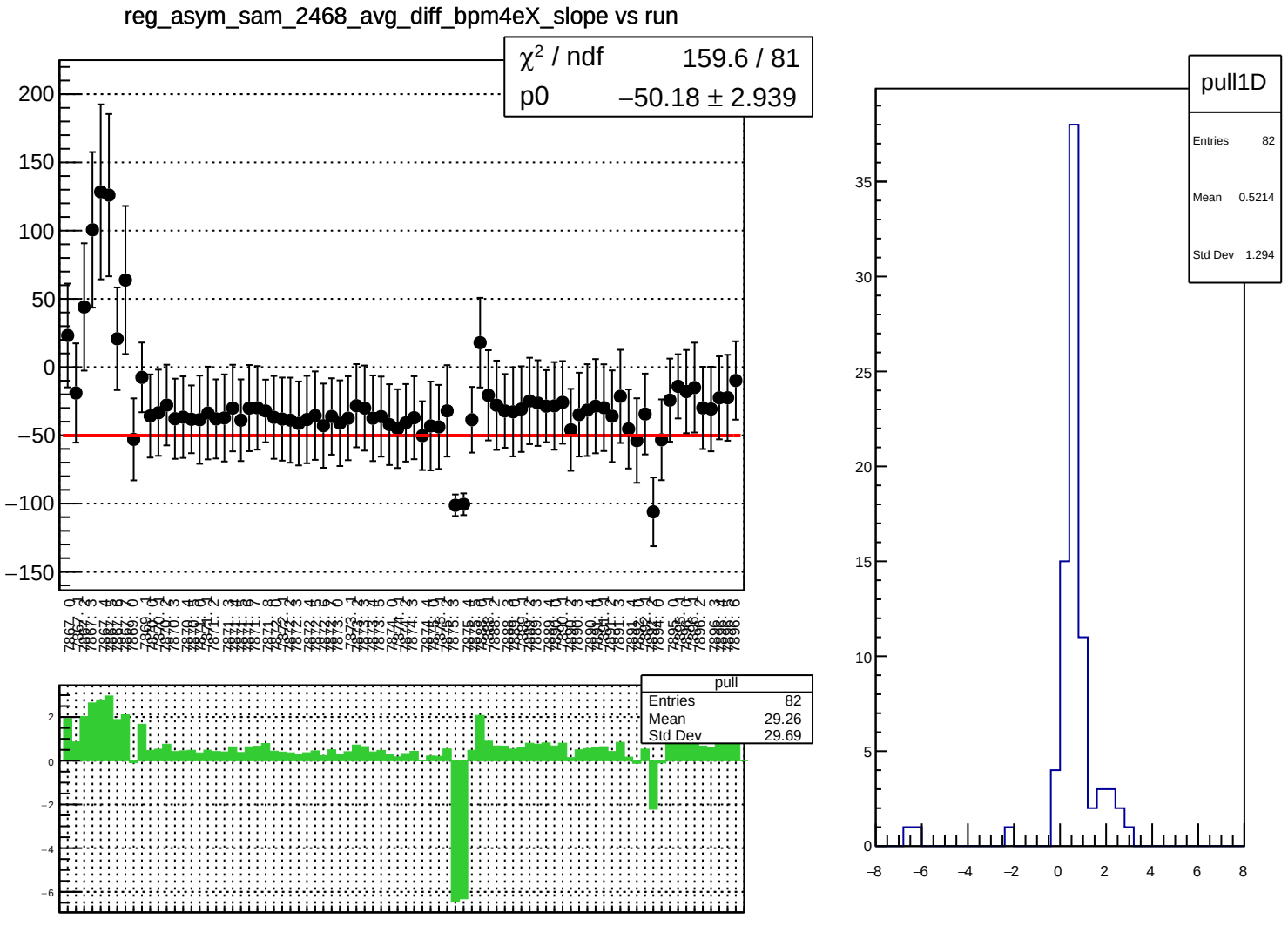

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.32 / 81
p0 9.984 ± 2.131
pull
Entries 82
Mean 31.33
Std Dev 47.67
pull1D
Entries 82
Mean −0.049
Std Dev 0.3846

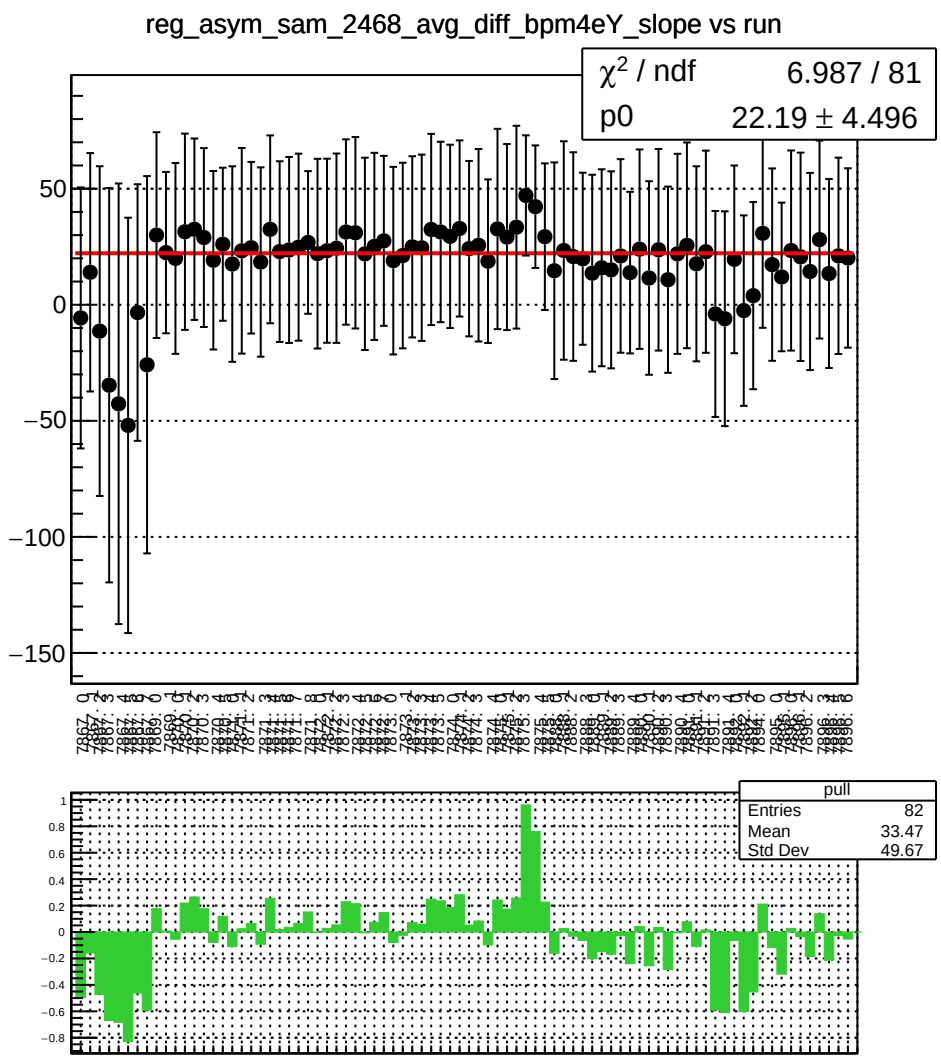

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 62.25 / 81
p0 −0.9586 ± 0.06695
pull
Entries 82
Mean −34.7
Std Dev 56.16
pull1D
Entries 82
Mean −0.08681
Std Dev 0.867

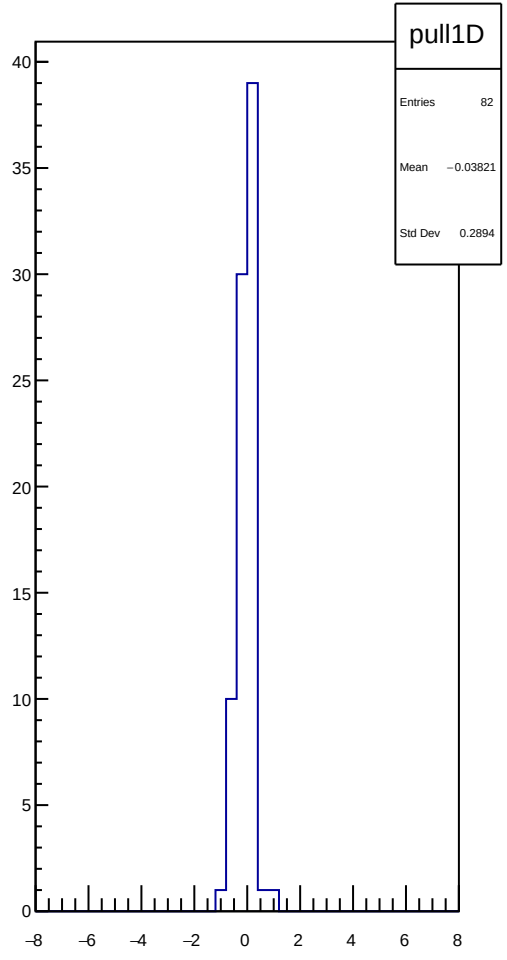

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 137.1 / 81
p0 −54.16 ± 3.491
pull
Entries 82
Mean 26.51
Std Dev 30.21
pull1D
Entries 82
Mean −0.4182
Std Dev 1.224

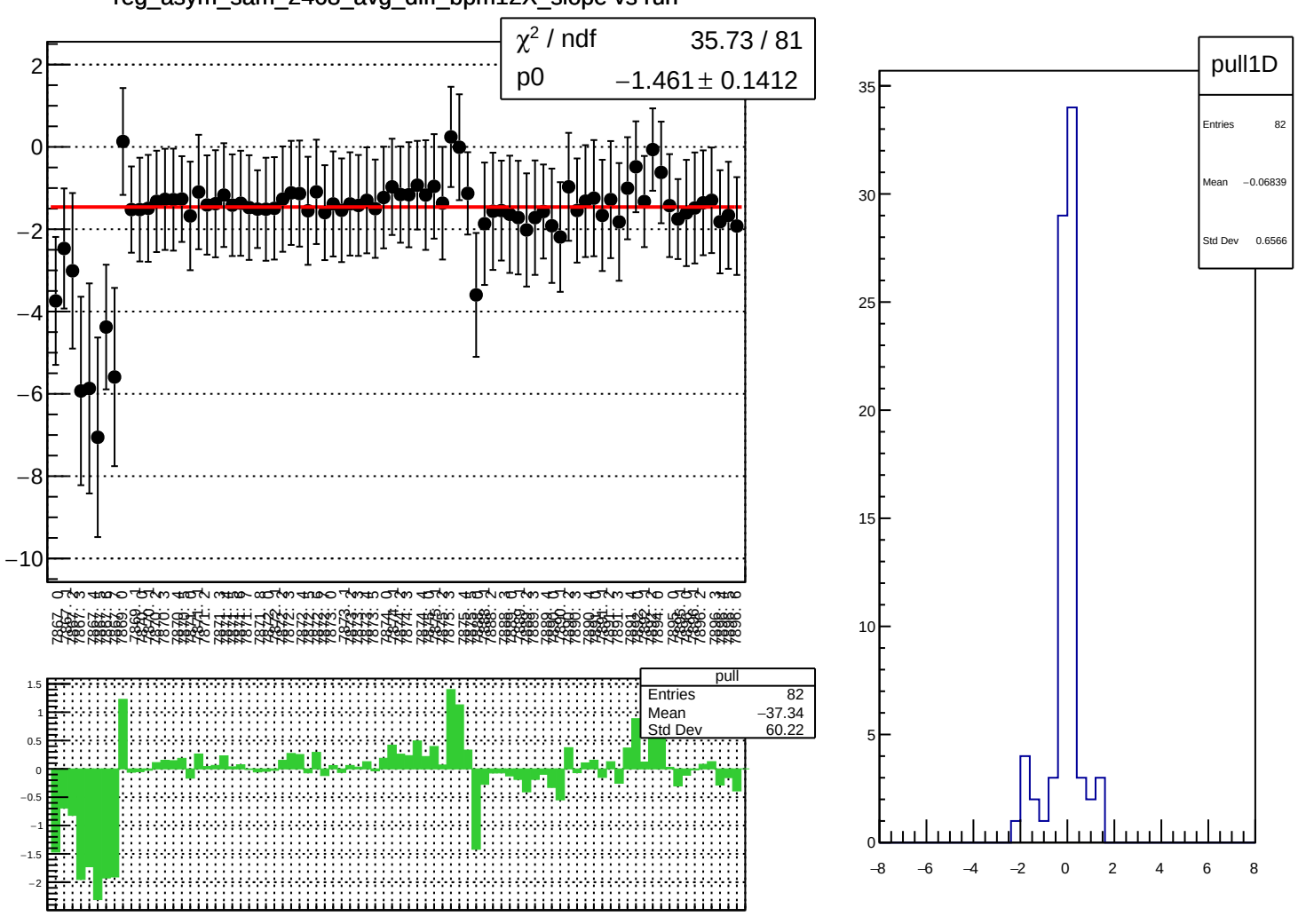

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.493 / 81
p0 16.17 ± 3.874
pull
Entries 82
Mean 29.17
Std Dev 42.99

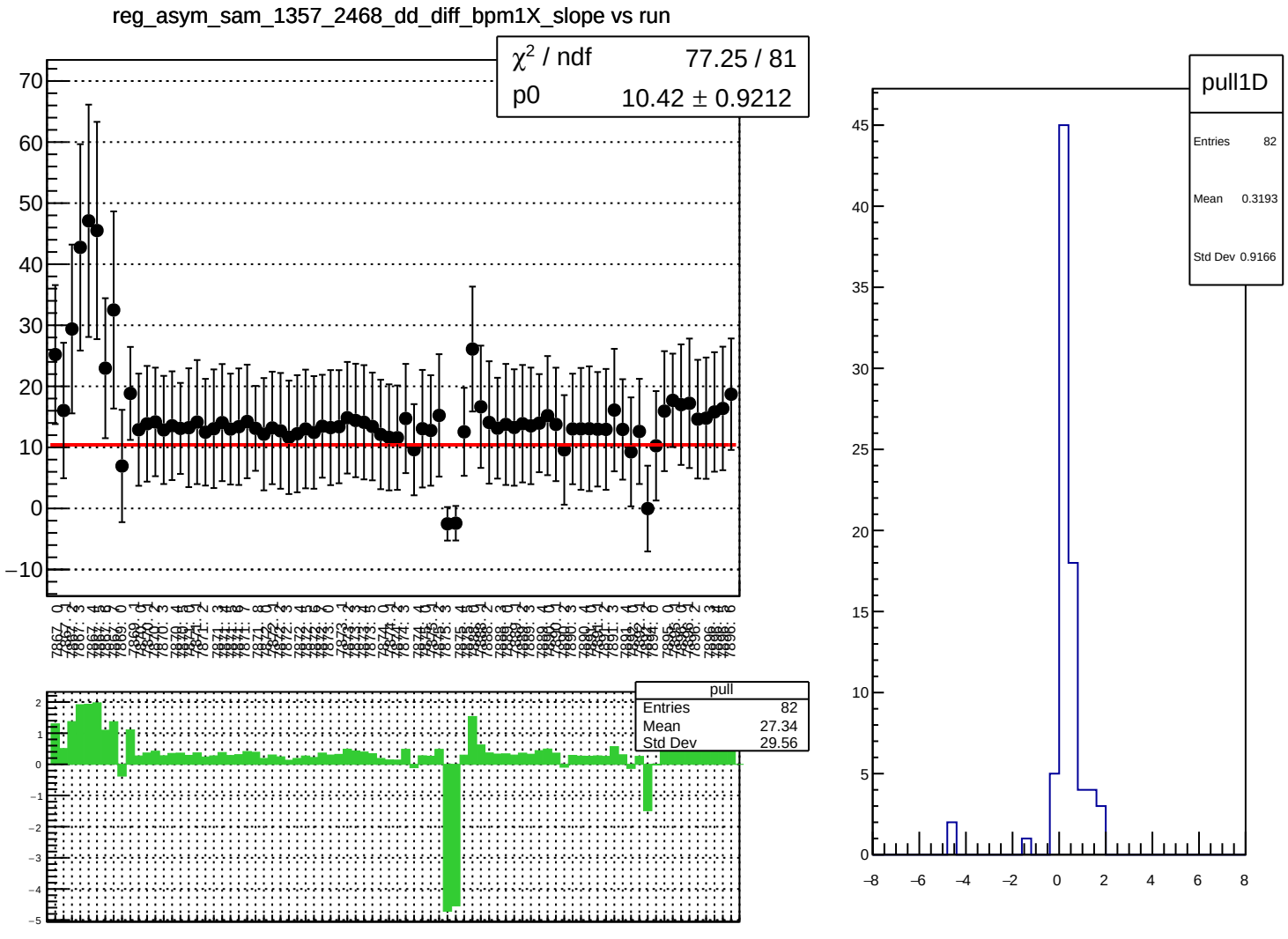

pull1D
Entries 82
Mean 0.04865
Std Dev 0.2983

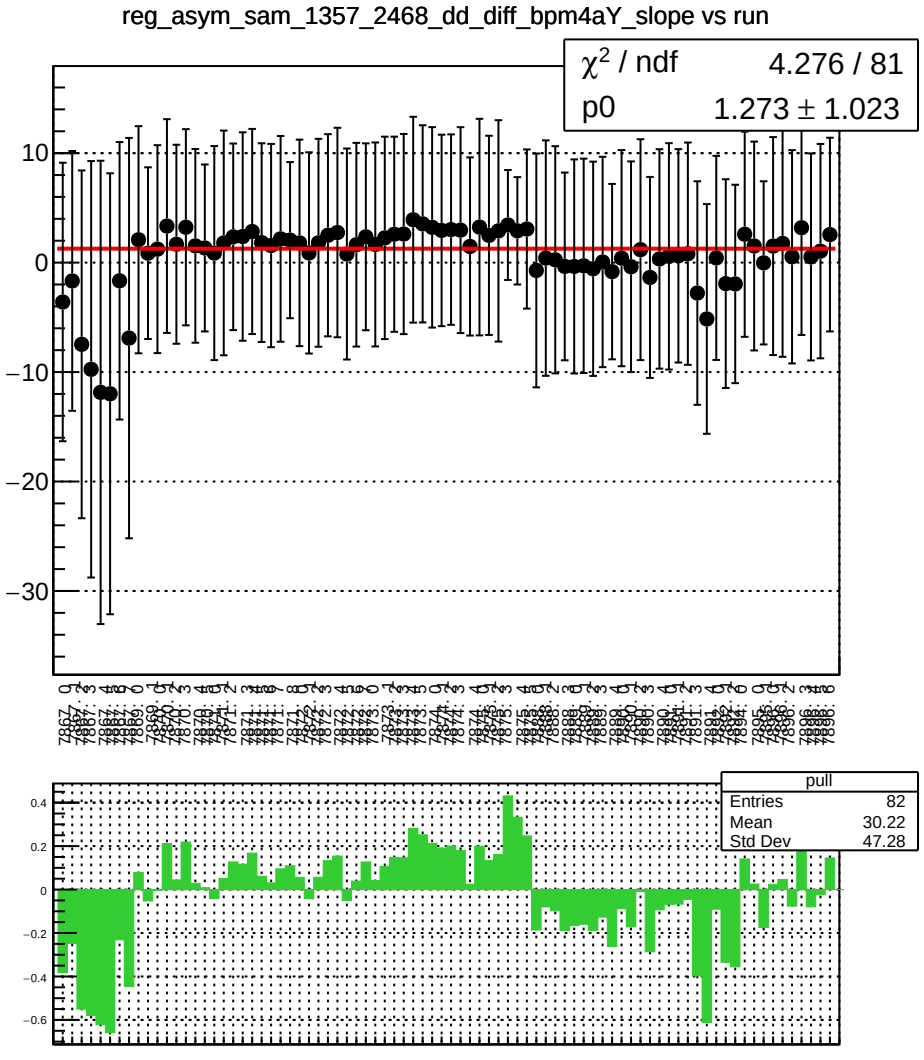

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 159.6 / 81
p0 −50.18 ± 2.939
pull
Entries 82
Mean 29.26
Std Dev 29.69
pull1D
Entries 82
Mean 0.5214
Std Dev 1.294

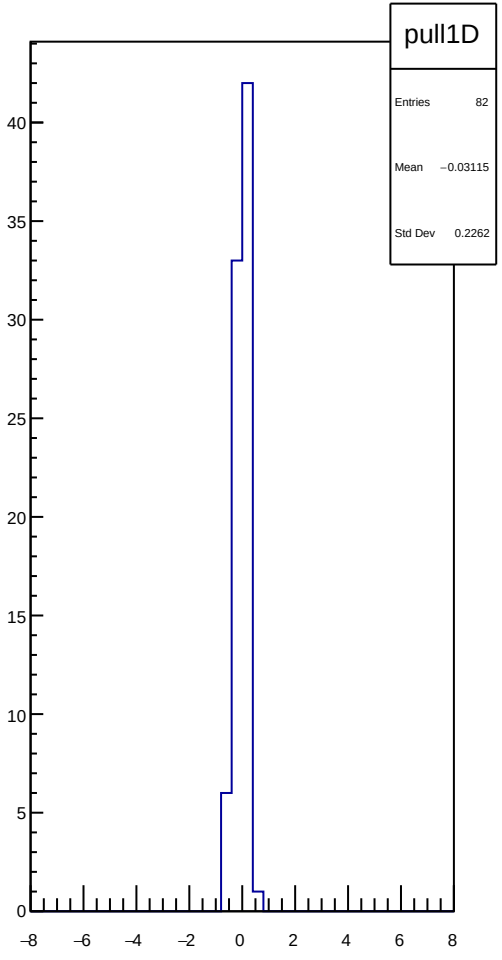

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.987 / 81
p0 22.19 ± 4.496
pull
Entries 82
Mean 33.47
Std Dev 49.67

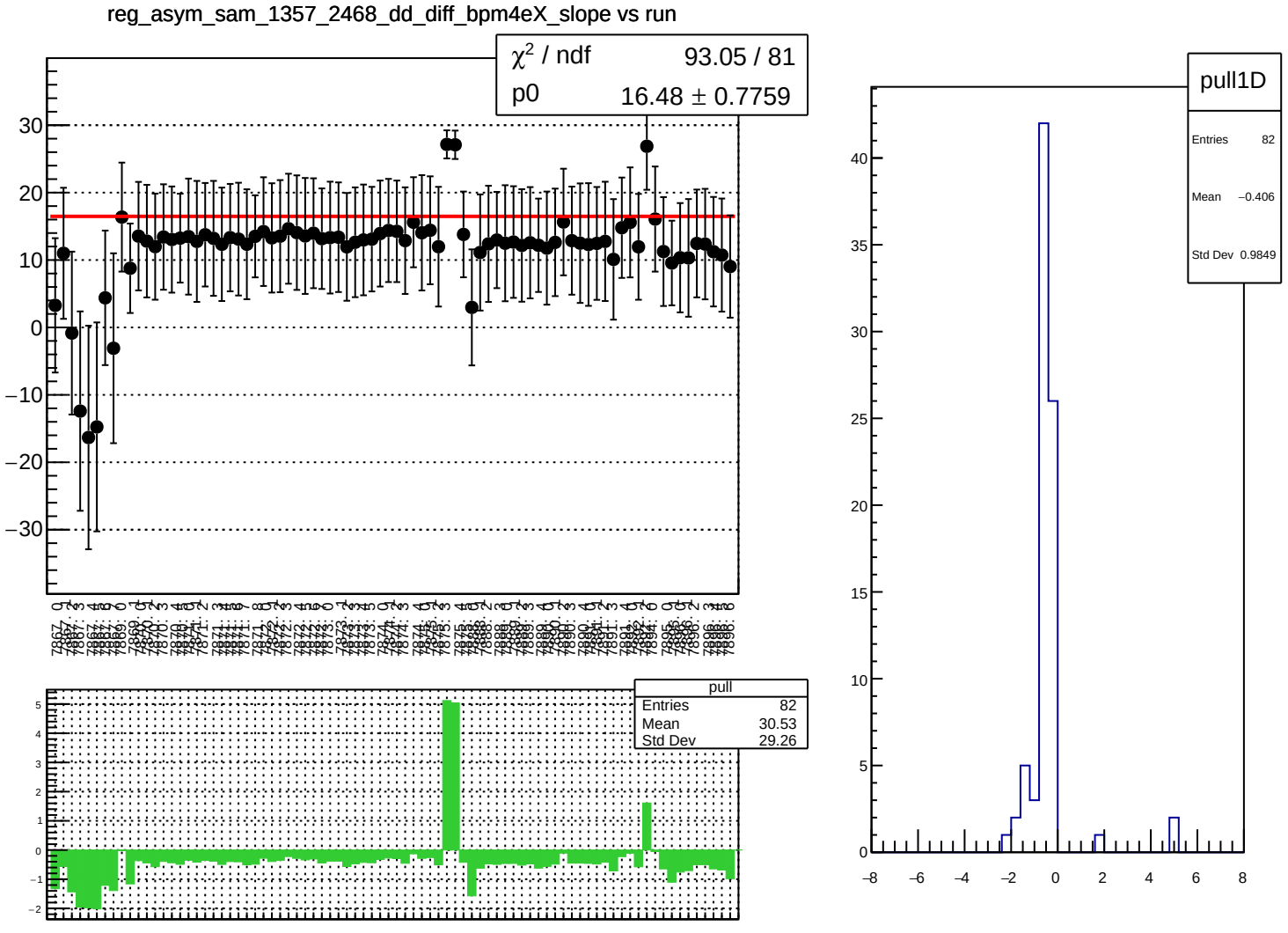

pull1D
Entries 82
Mean −0.03821
Std Dev 0.2894

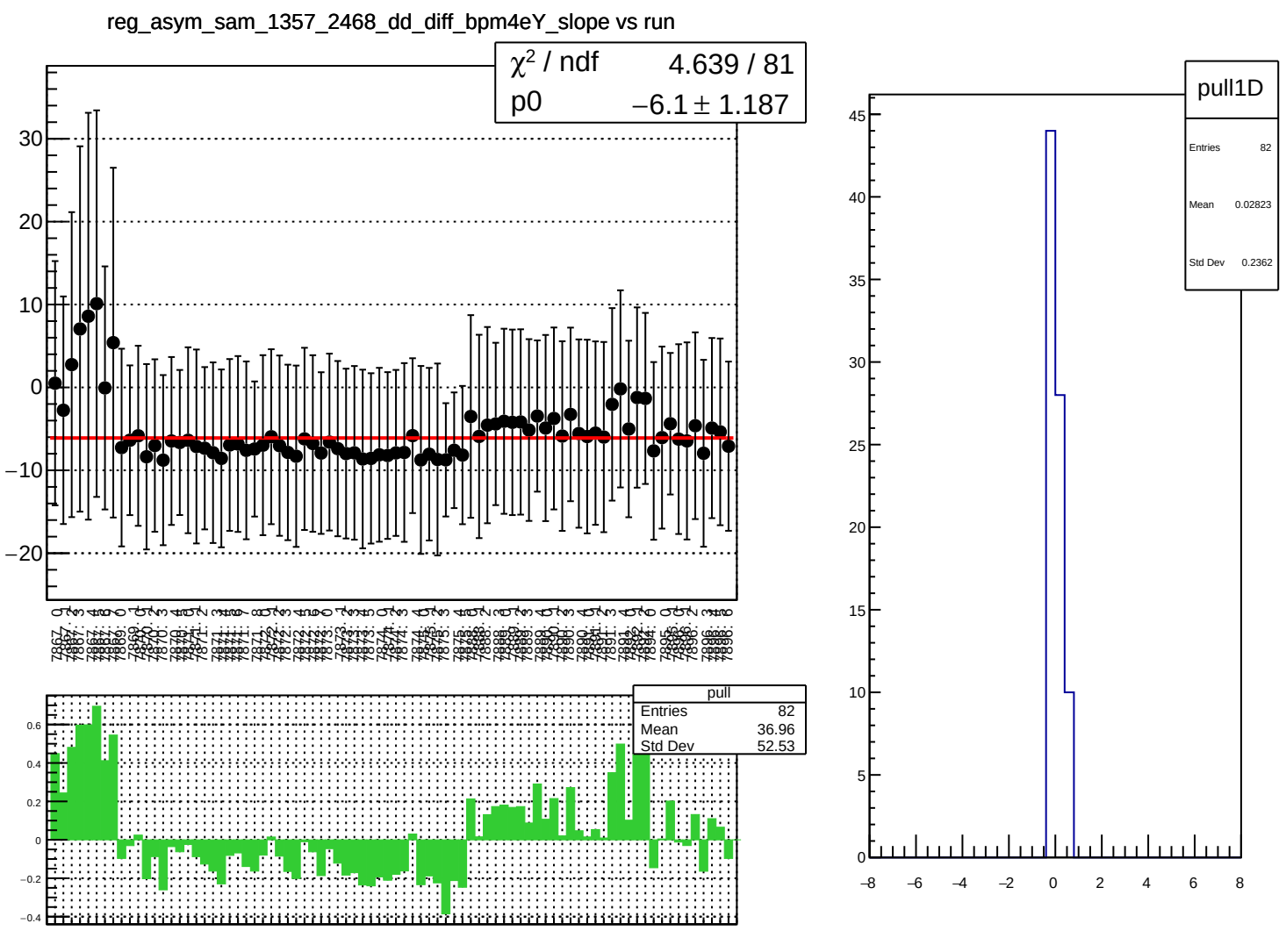

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 35.73 / 81
p0 −1.461 ± 0.1412
pull
Entries 82
Mean −37.34
Std Dev 60.22
pull1D
Entries 82
Mean −0.06839
Std Dev 0.6566

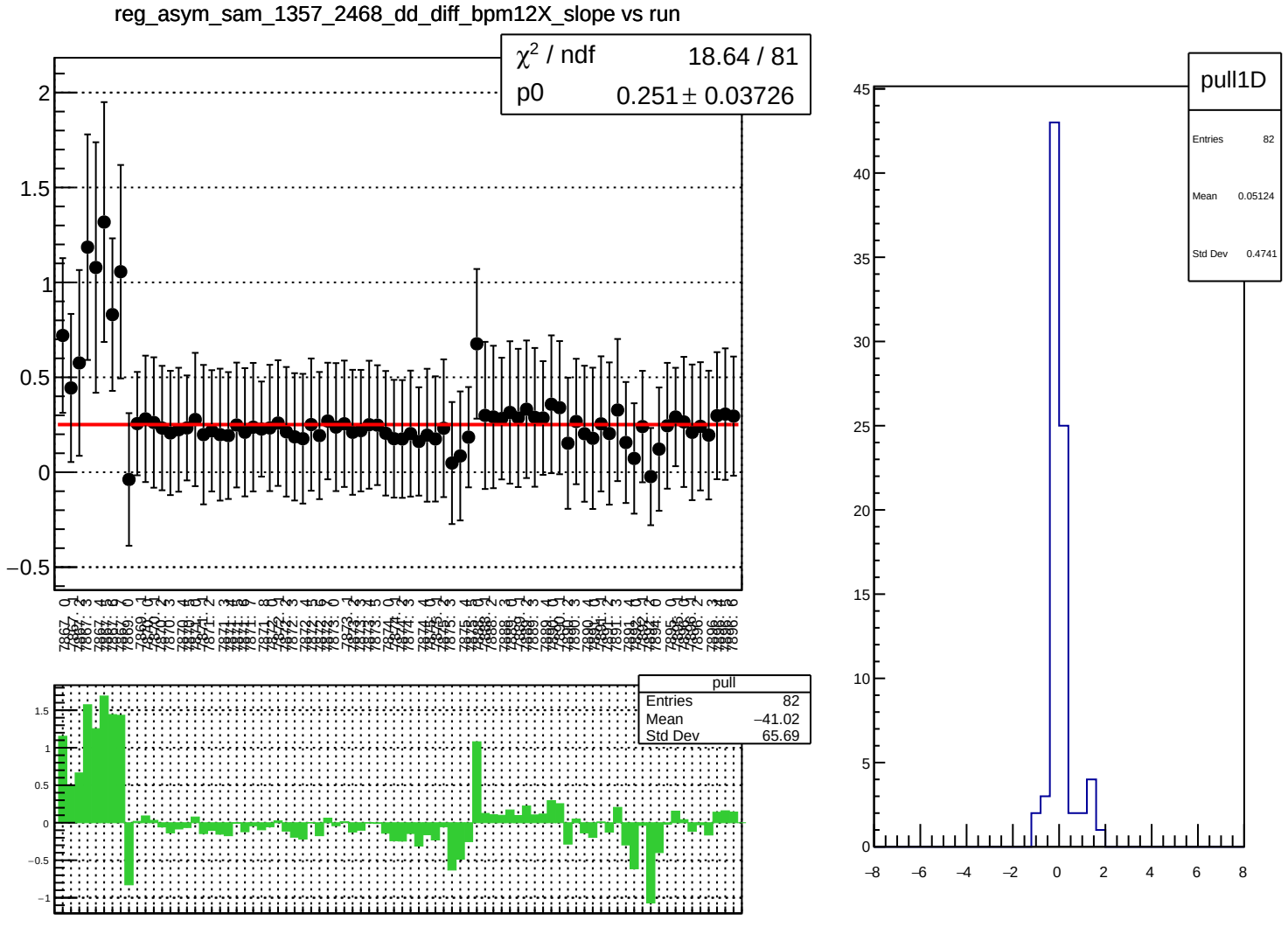

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 77.25 / 81
p0 10.42 ± 0.9212
pull
Entries 82
Mean 27.34
Std Dev 29.56
pull1D
Entries 82
Mean 0.3193
Std Dev 0.9166

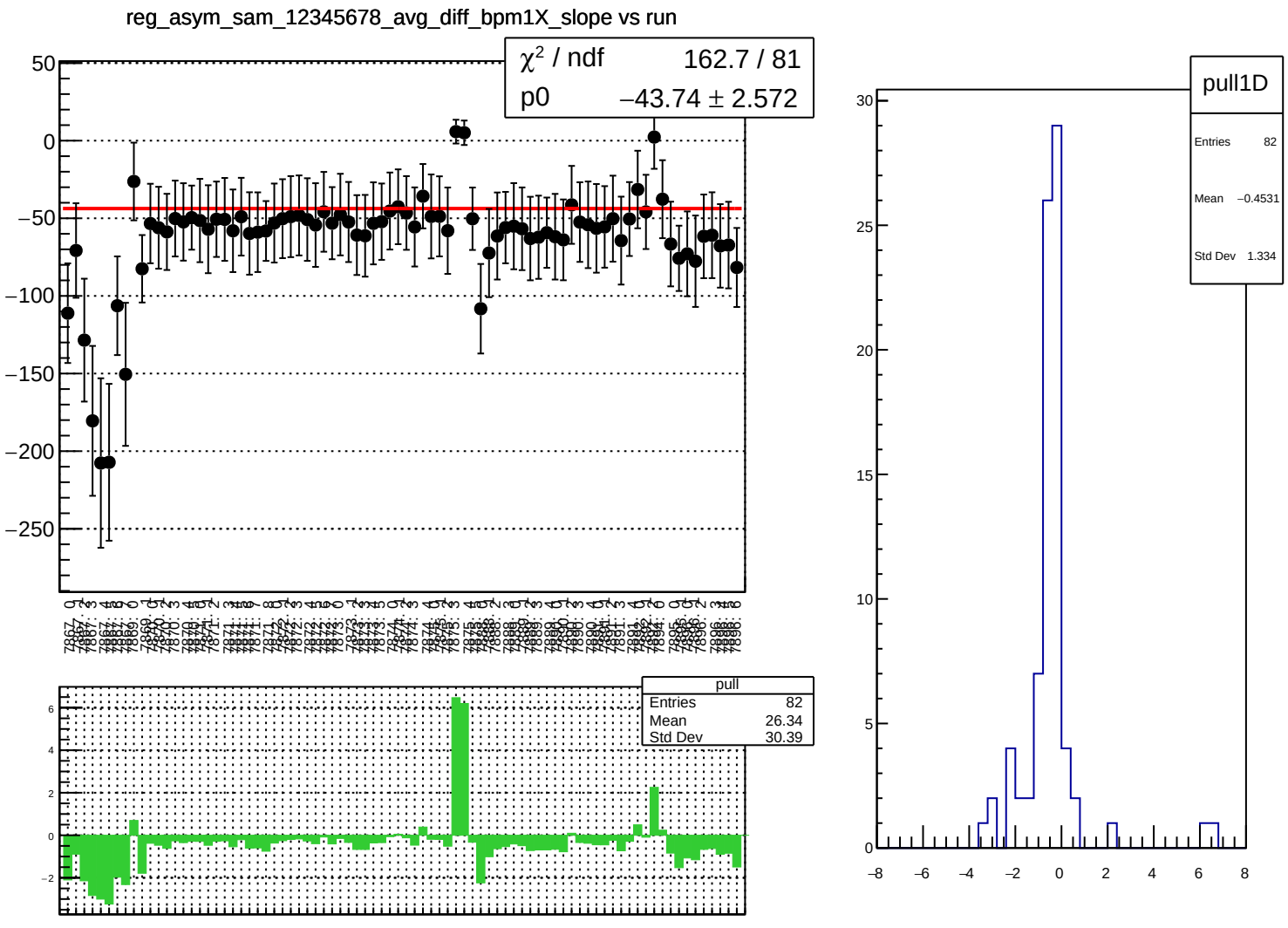

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.276 / 81
p0 1.273 ± 1.023
pull
Entries 82
Mean 30.22
Std Dev 47.28

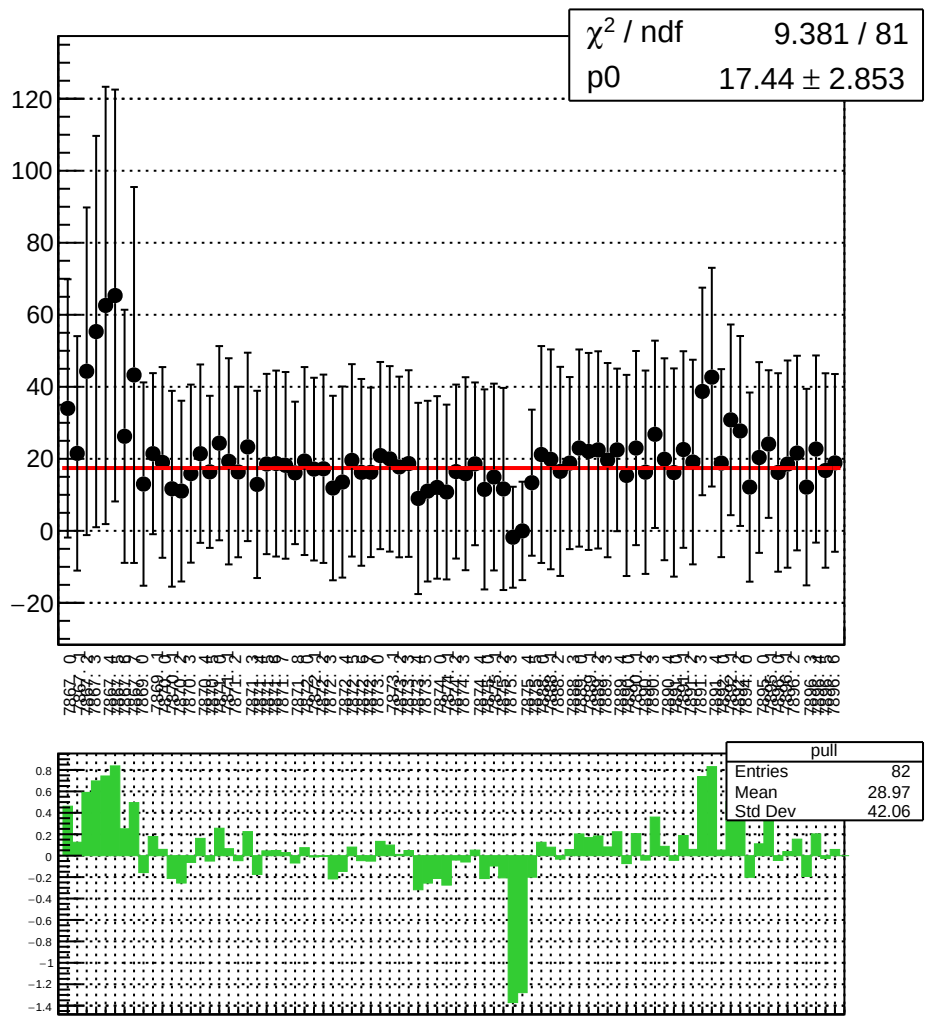

pull1D
Entries 82
Mean −0.03115
Std Dev 0.2262

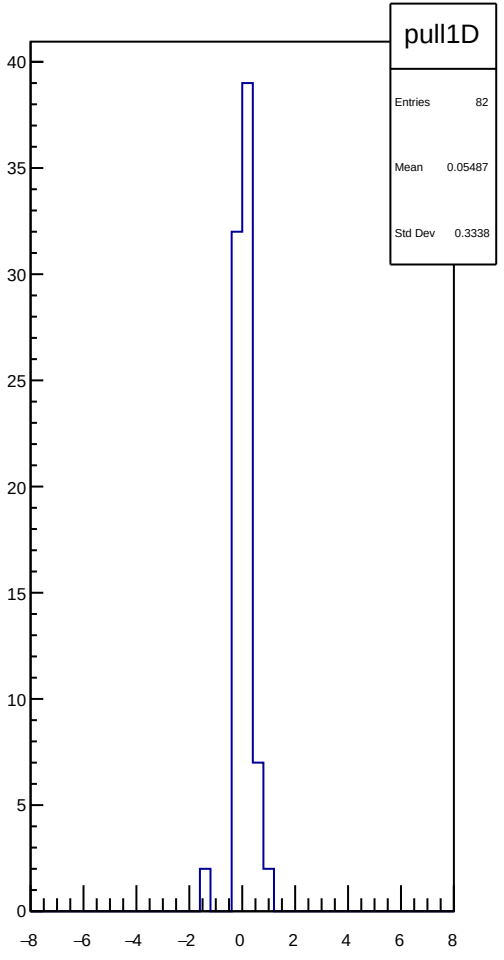

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.05 / 81
p0 16.48 ± 0.7759
pull
Entries 82
Mean 30.53
Std Dev 29.26
pull1D
Entries 82
Mean −0.406
Std Dev 0.9849

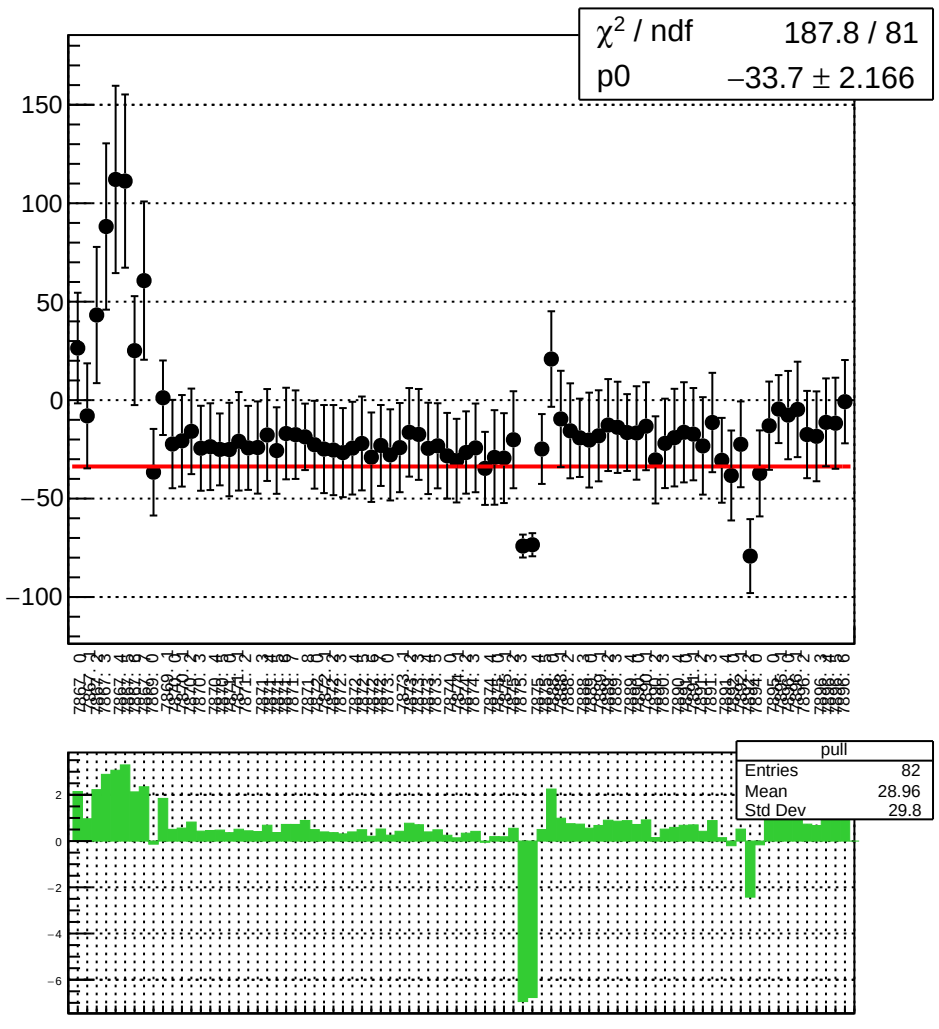

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.639 / 81
p0 −6.1 ± 1.187
pull
Entries 82
Mean 36.96
Std Dev 52.53
pull1D
Entries 82
Mean 0.02823
Std Dev 0.2362

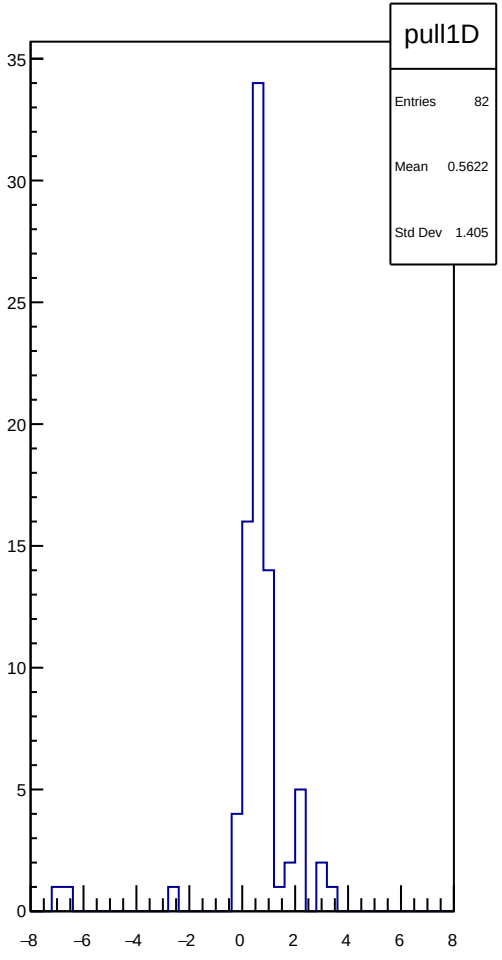

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 18.64 / 81
p0 0.251 ± 0.03726
pull
Entries 82
Mean −41.02
Std Dev 65.69
pull1D
Entries 82
Mean 0.05124
Std Dev 0.4741

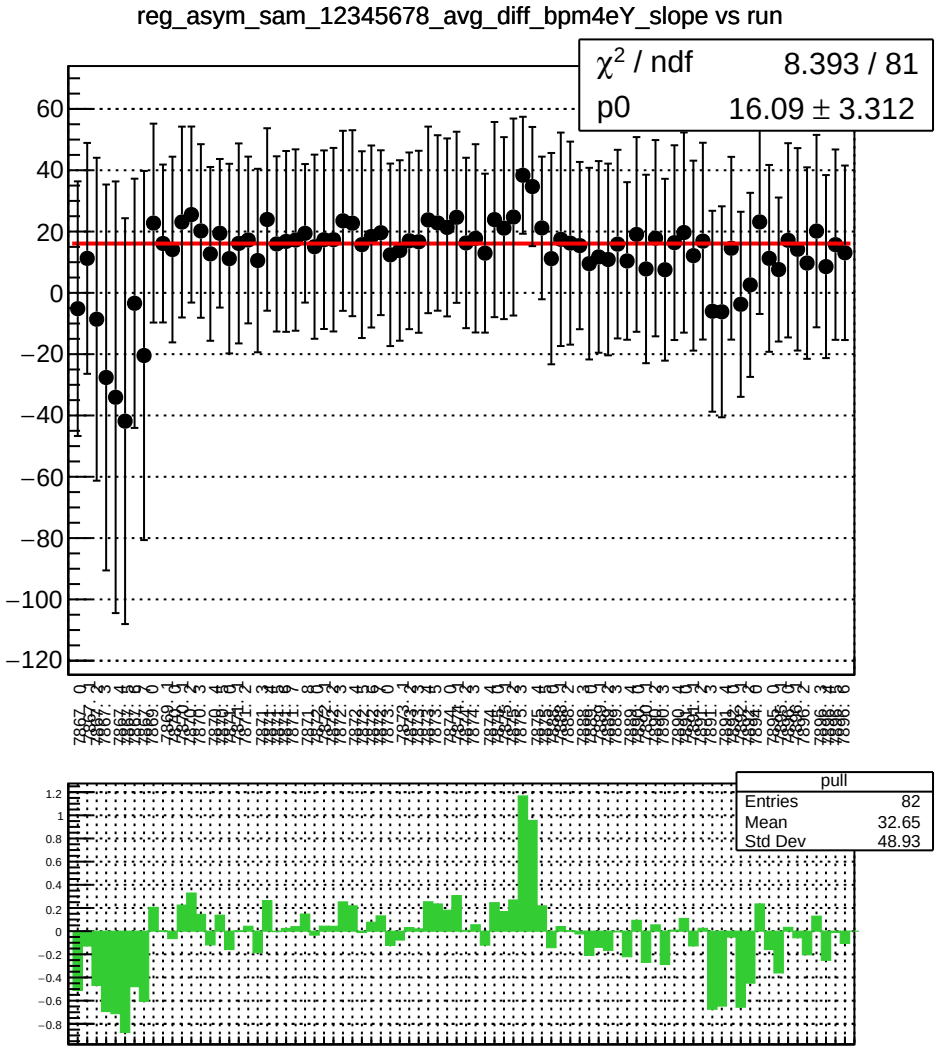

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 162.7 / 81
p0 −43.74 ± 2.572
pull
Entries 82
Mean 26.34
Std Dev 30.39
pull1D
Entries 82
Mean −0.4531
Std Dev 1.334

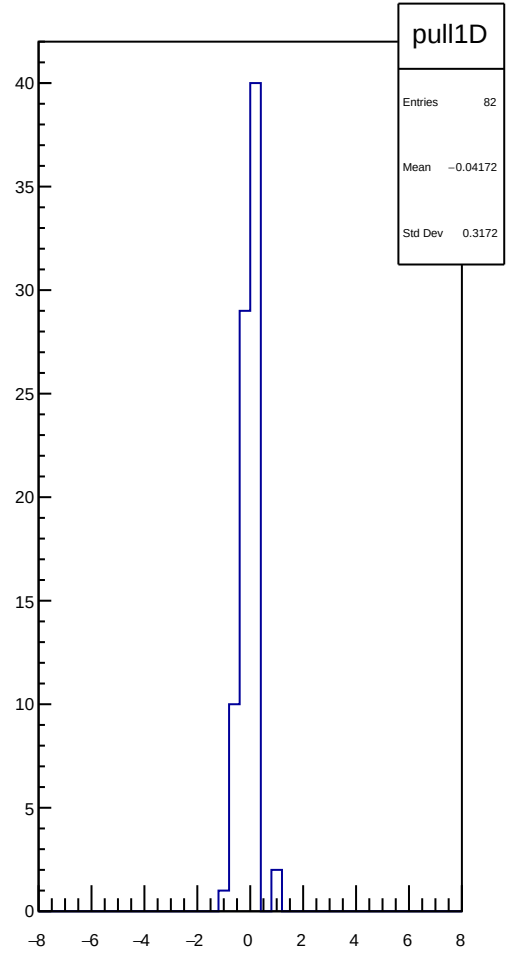

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.381 / 81
p0 17.44 ± 2.853
pull
Entries 82
Mean 28.97
Std Dev 42.06

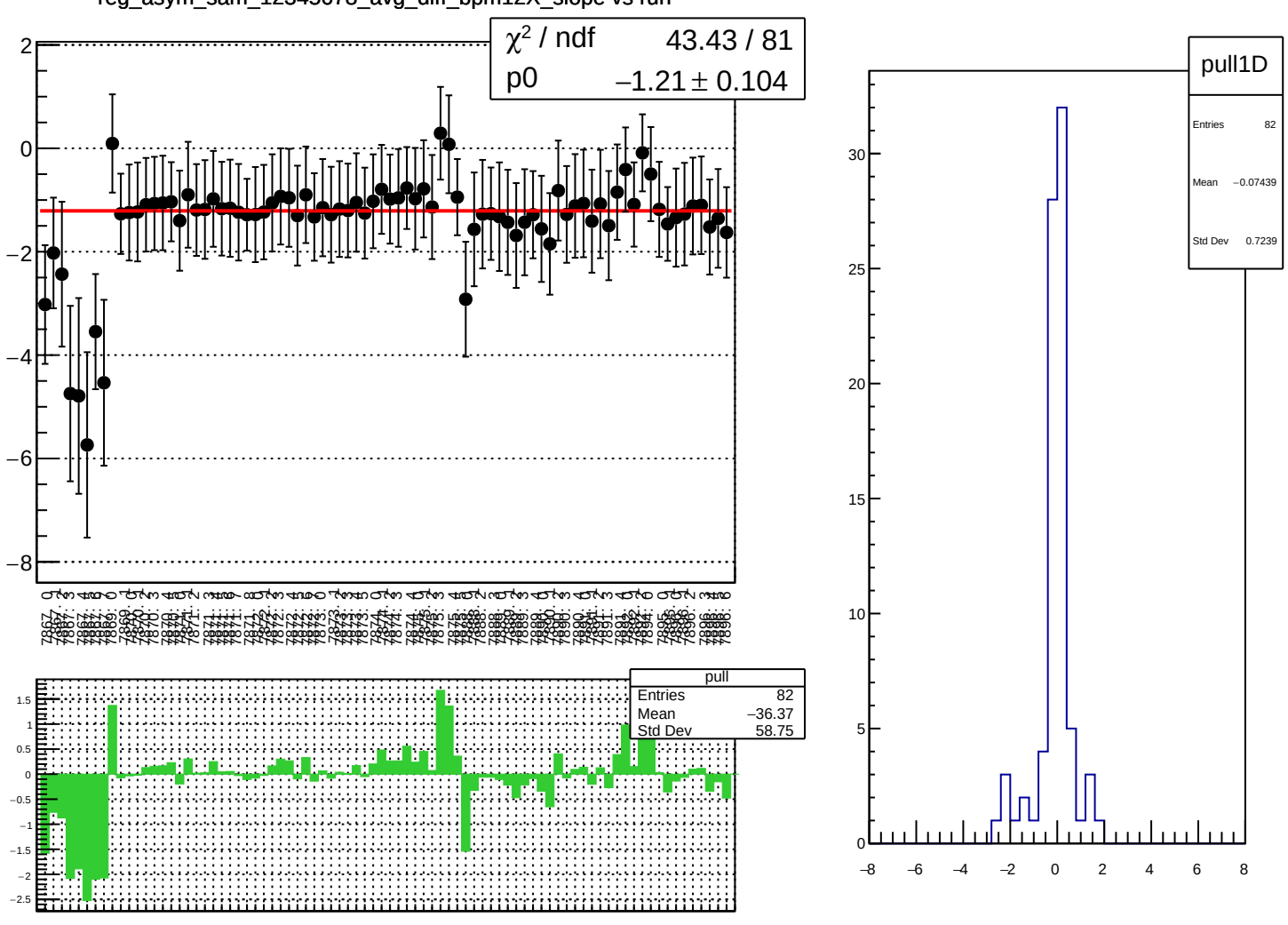

pull1D
Entries 82
Mean 0.05487
Std Dev 0.3338

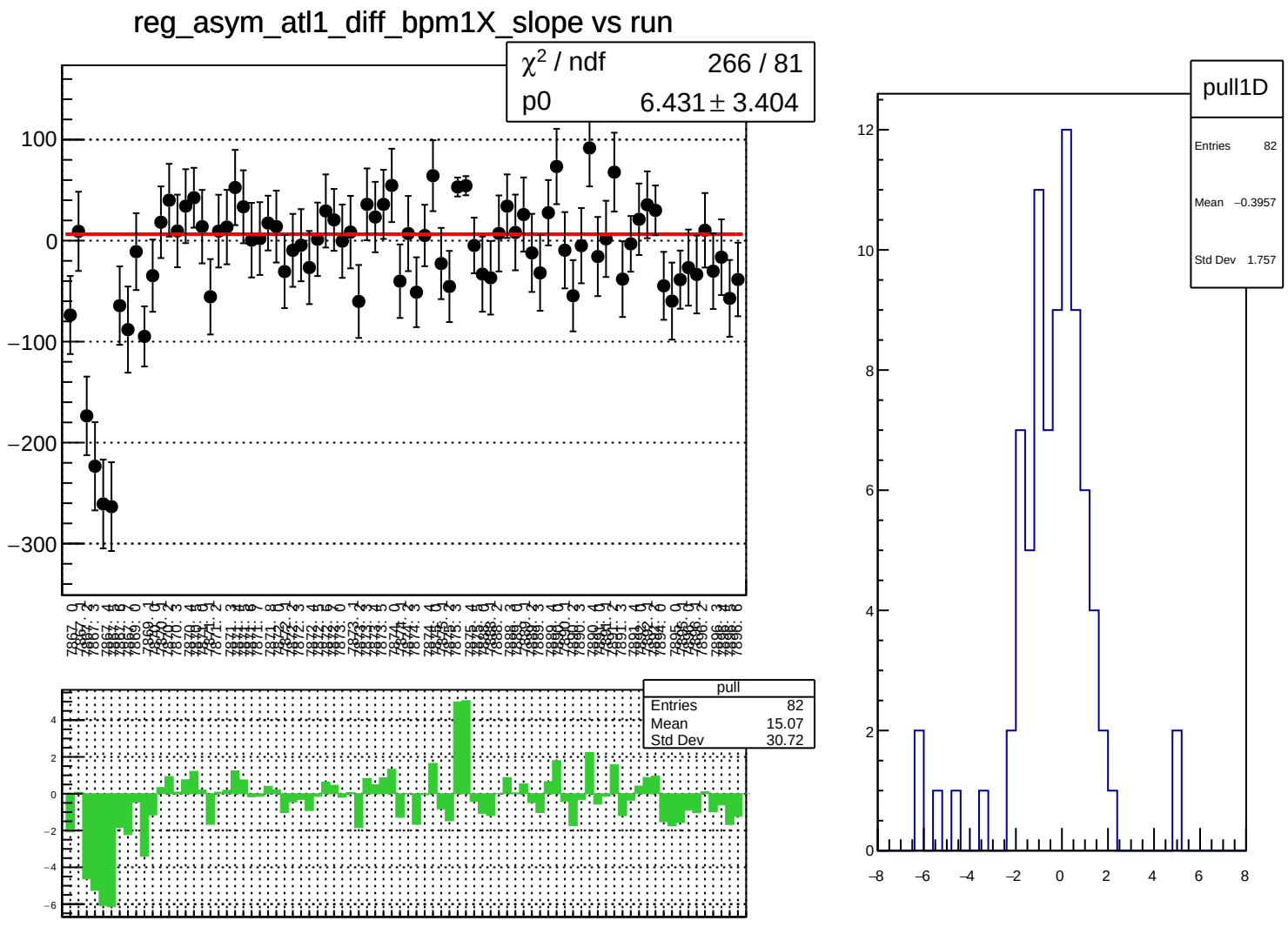

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 187.8 / 81
p0 −33.7 ± 2.166
150
100
50
0
−50
−100
pull
Entries 82
Mean 28.96
Std Dev 29.8
2
0
−2
−4
−6

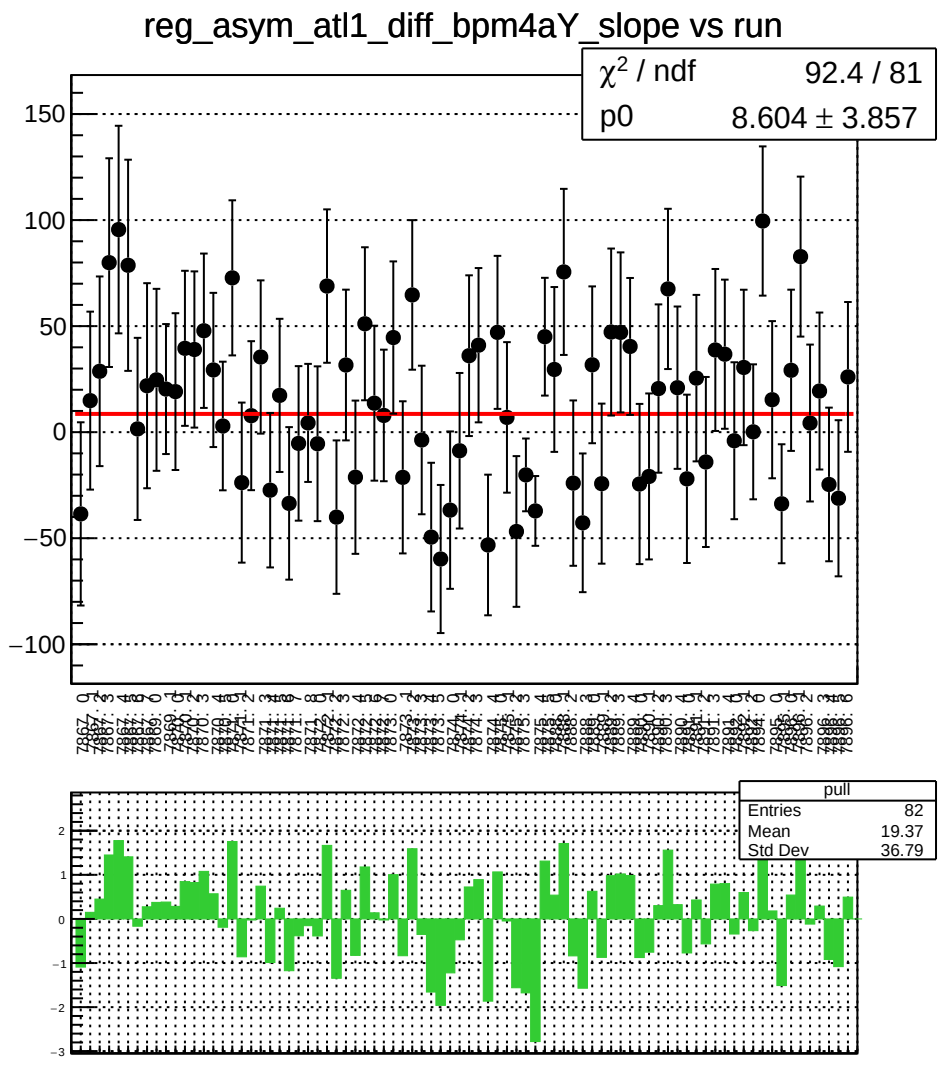

pull1D
Entries 82
Mean 0.5622
Std Dev 1.405
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

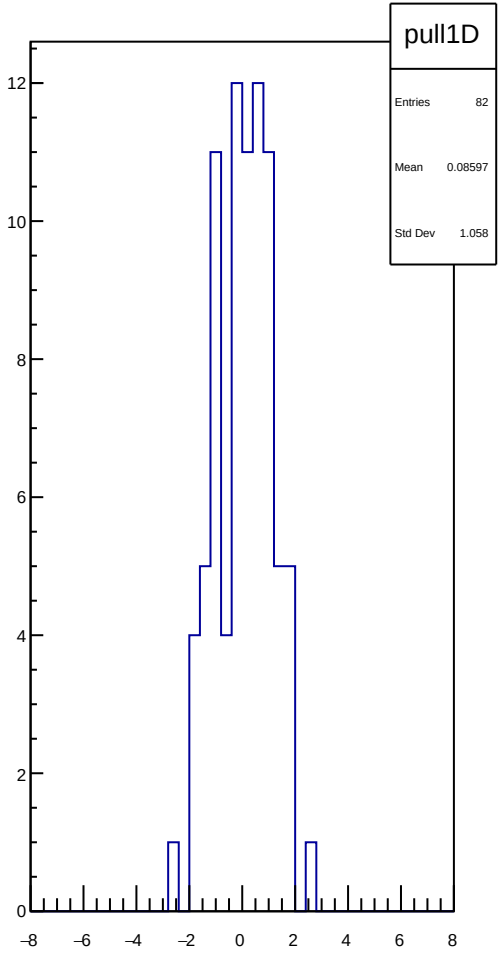

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.393 / 81
p0 16.09 ± 3.312
pull
Entries 82
Mean 32.65
Std Dev 48.93

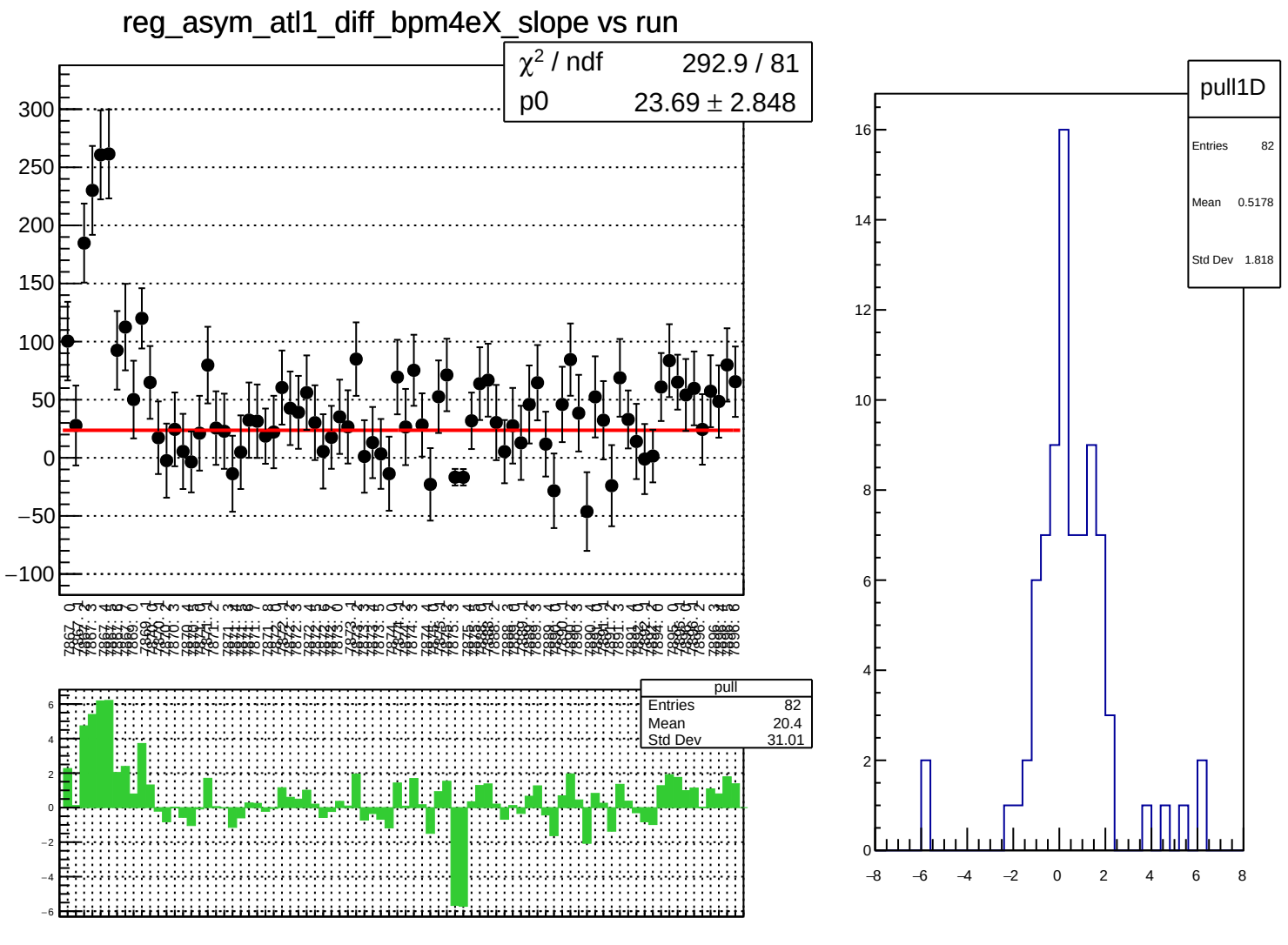

pull1D
Entries 82
Mean −0.04172
Std Dev 0.3172

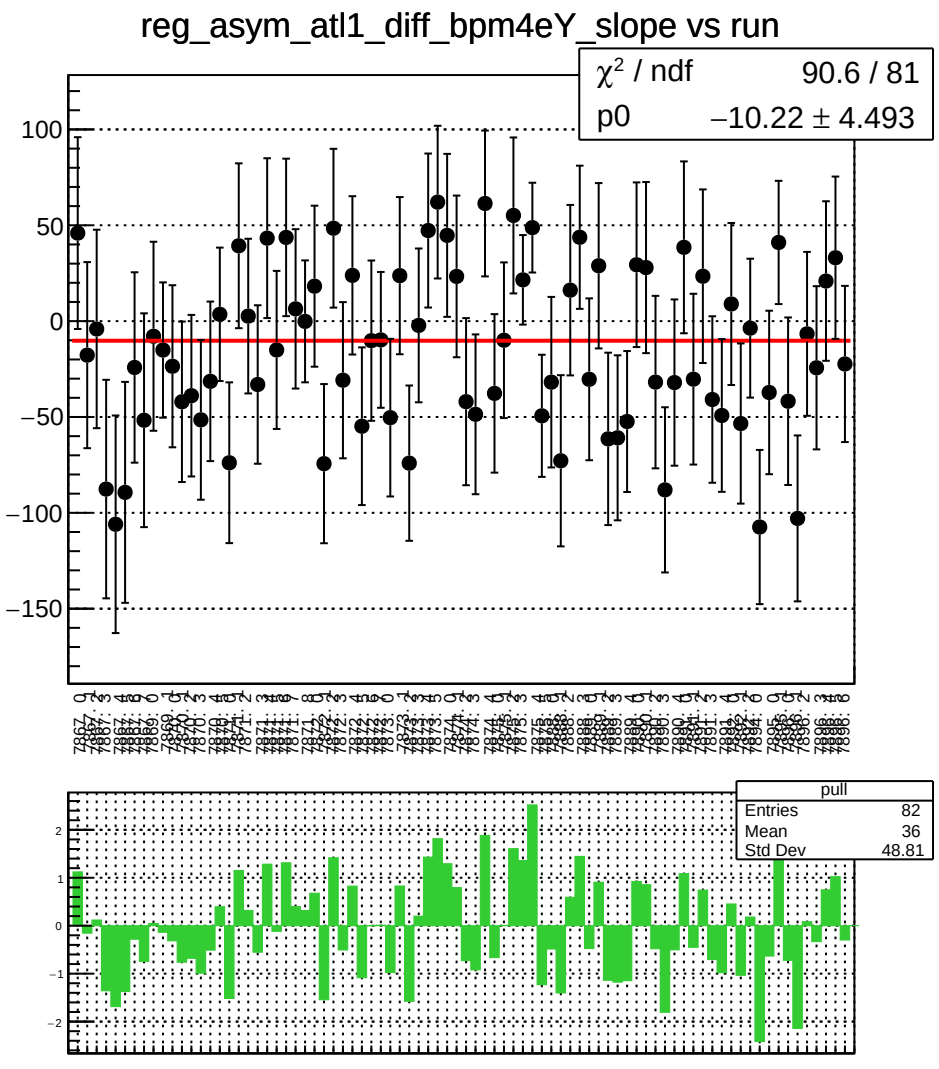

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 43.43 / 81
p0 −1.21 ± 0.104
pull
Entries 82
Mean −36.37
Std Dev 58.75
pull1D
Entries 82
Mean −0.07439
Std Dev 0.7239

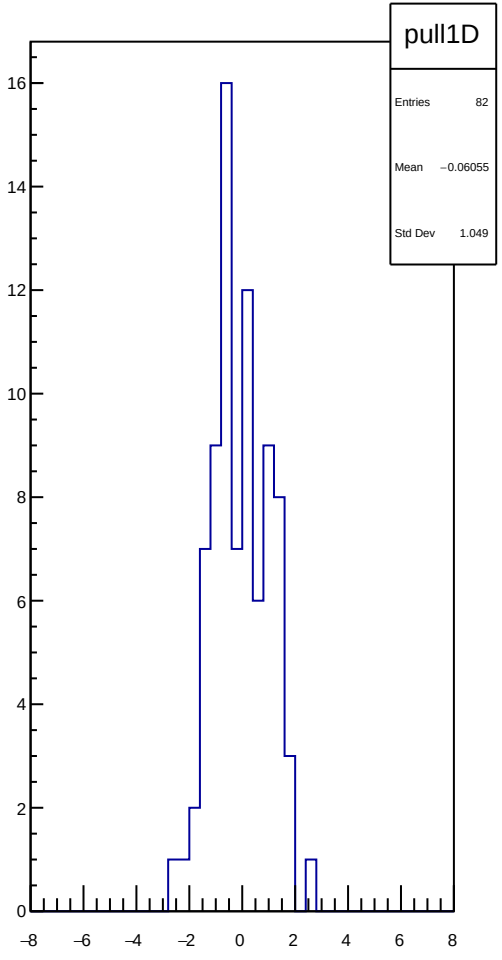

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 266 / 81
p0 6.431 ± 3.404
pull
Entries 82
Mean 15.07
Std Dev 30.72
pull1D
Entries 82
Mean −0.3957
Std Dev 1.757

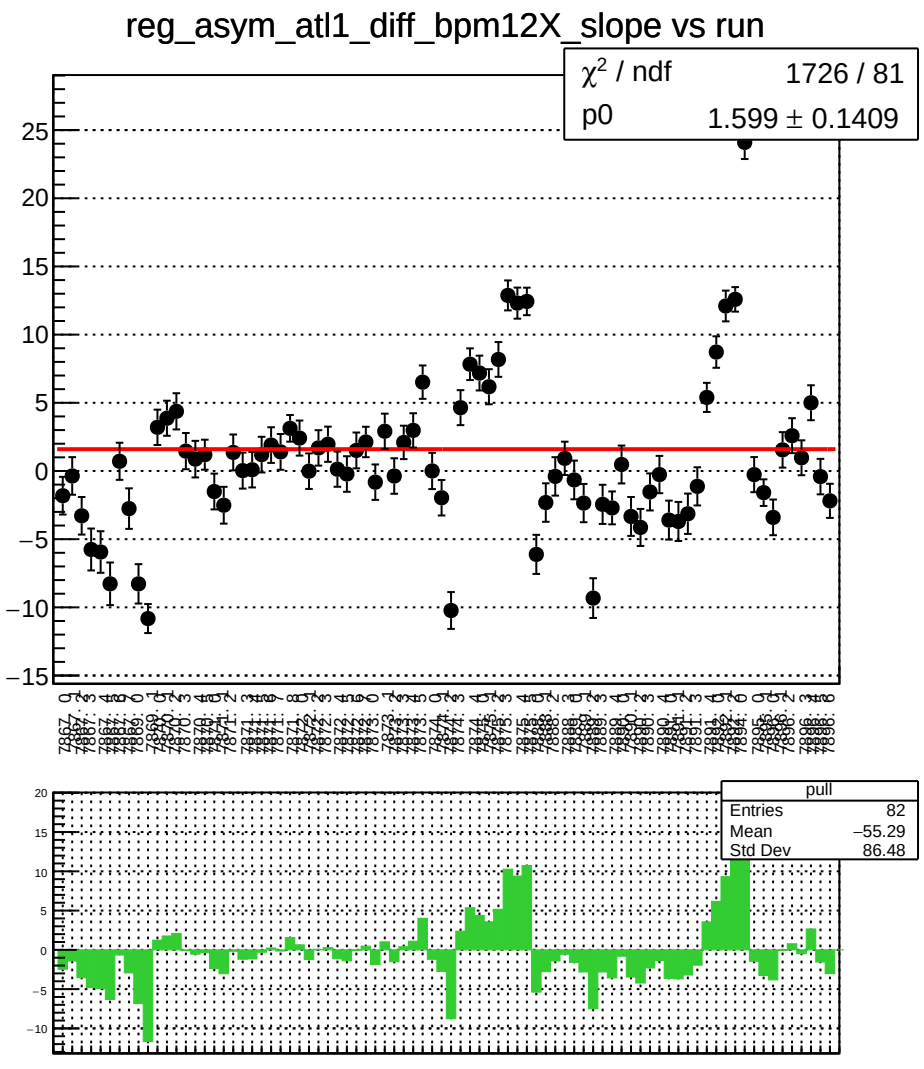

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 92.4 / 81
p0 8.604 ± 3.857
150
100
50
0
−50
−100
pull
Entries 82
Mean 19.37
Std Dev 36.79
2
1
0
−1
−2
−3

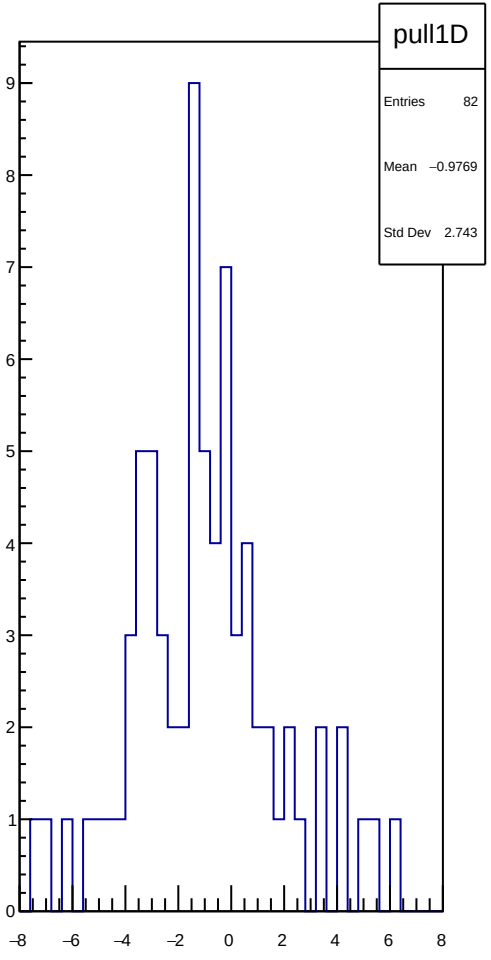

pull1D
Entries 82
Mean 0.08597
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

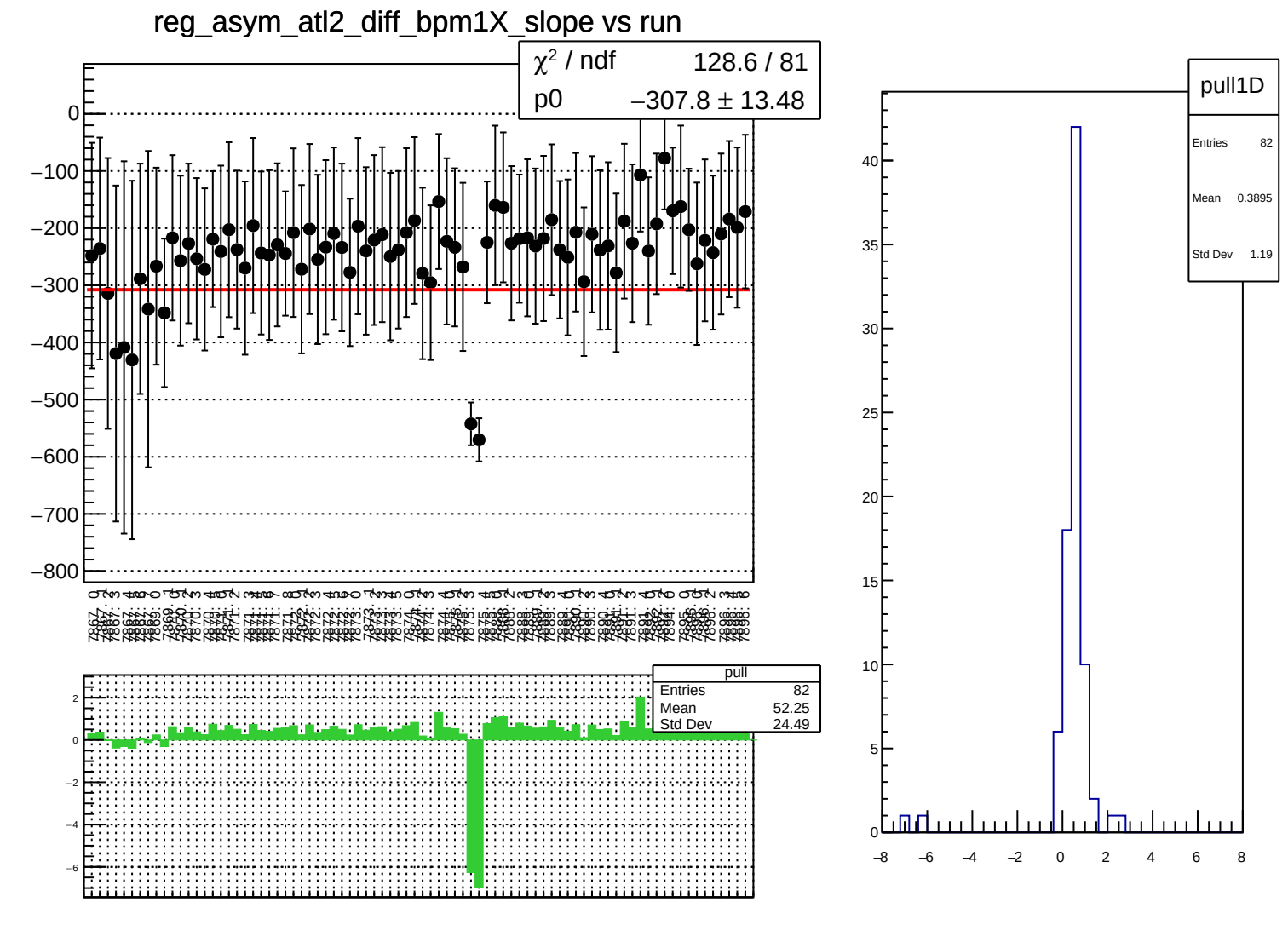

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 292.9 / 81
p0 23.69 ± 2.848
pull
Entries 82
Mean 20.4
Std Dev 31.01
pull1D
Entries 82
Mean 0.5178
Std Dev 1.818

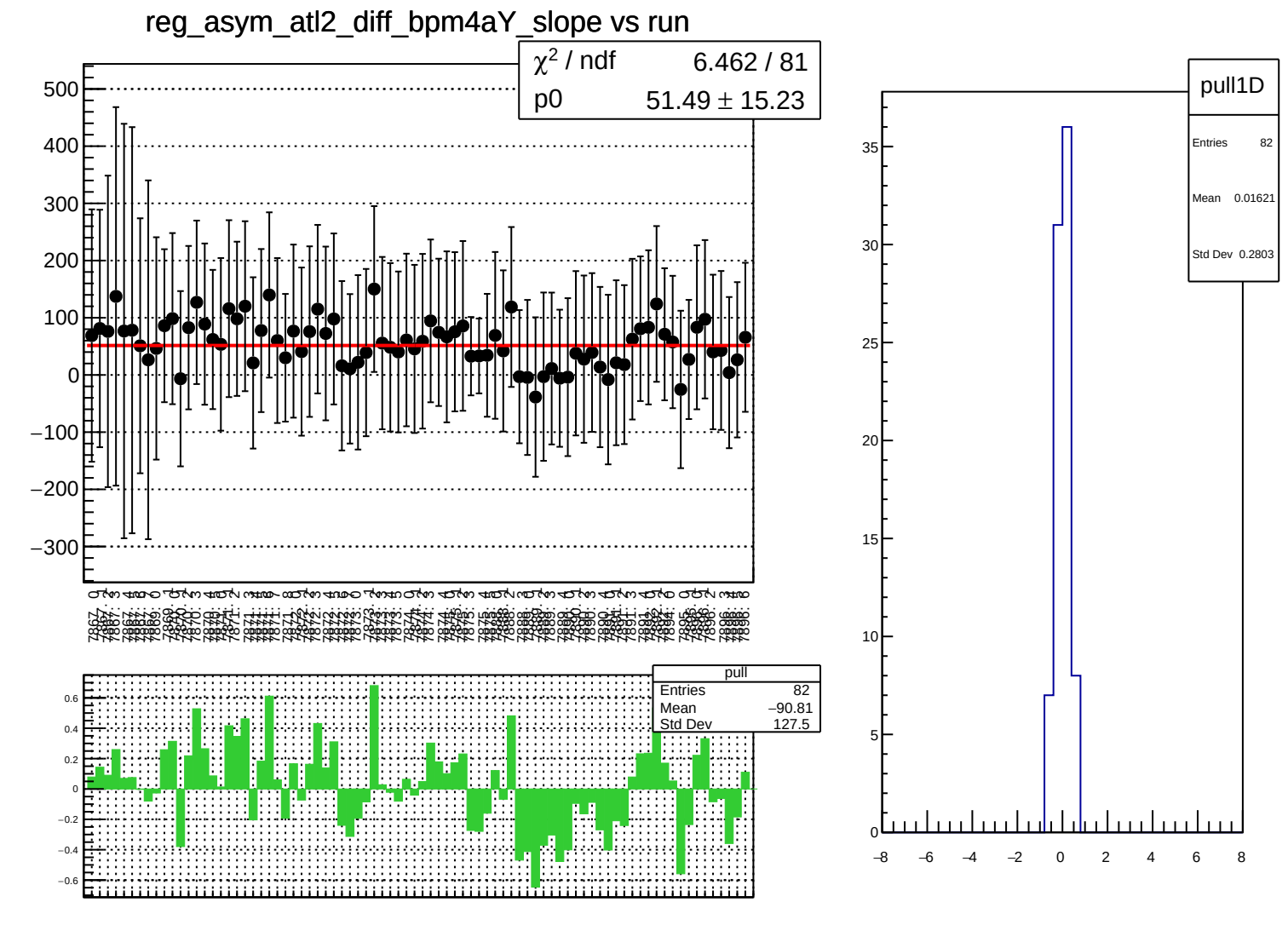

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 90.6 / 81
p0 −10.22 ± 4.493
pull
Entries 82
Mean 36
Std Dev 48.81

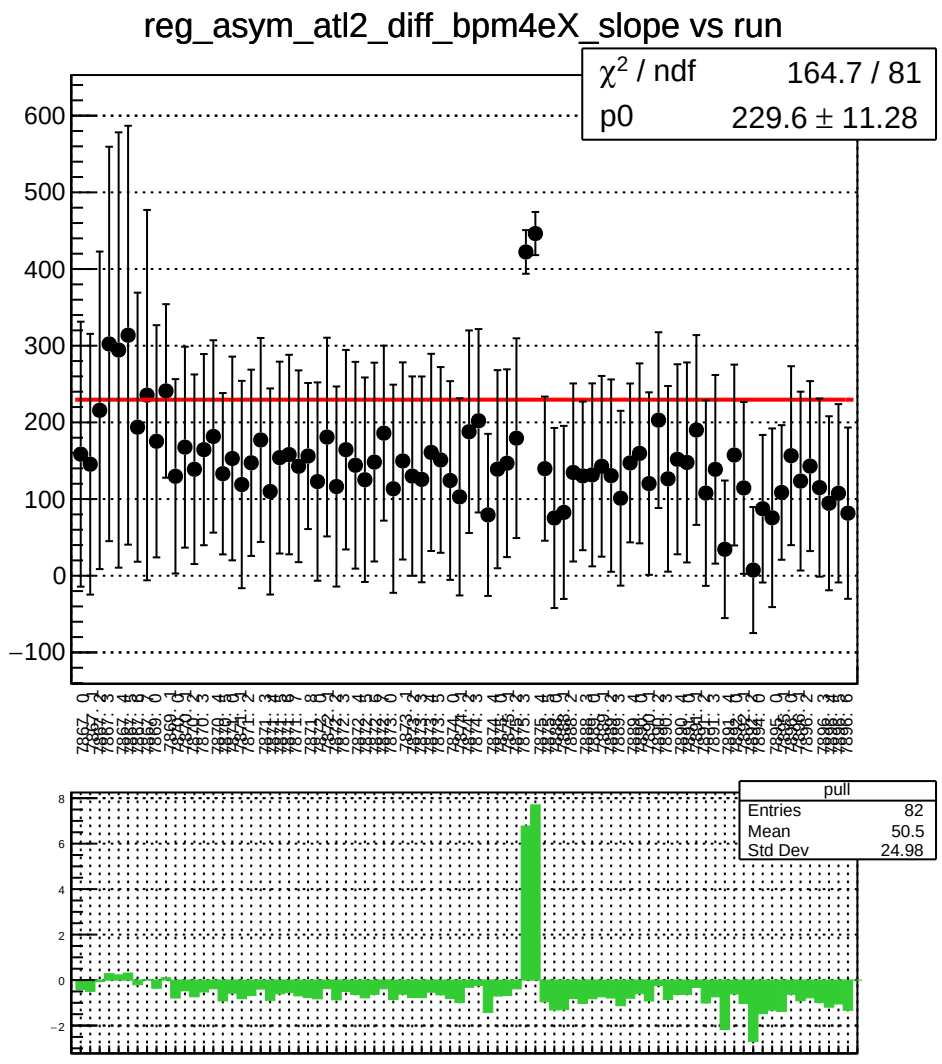

pull1D
Entries 82
Mean −0.06055
Std Dev 1.049

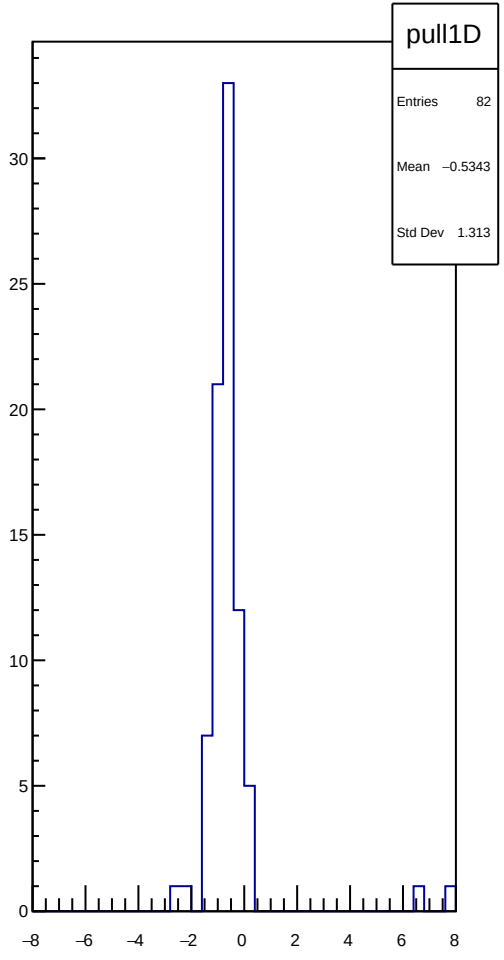

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 1726 / 81
p0 1.599 ± 0.1409
pull
Entries 82
Mean −55.29
Std Dev 86.48

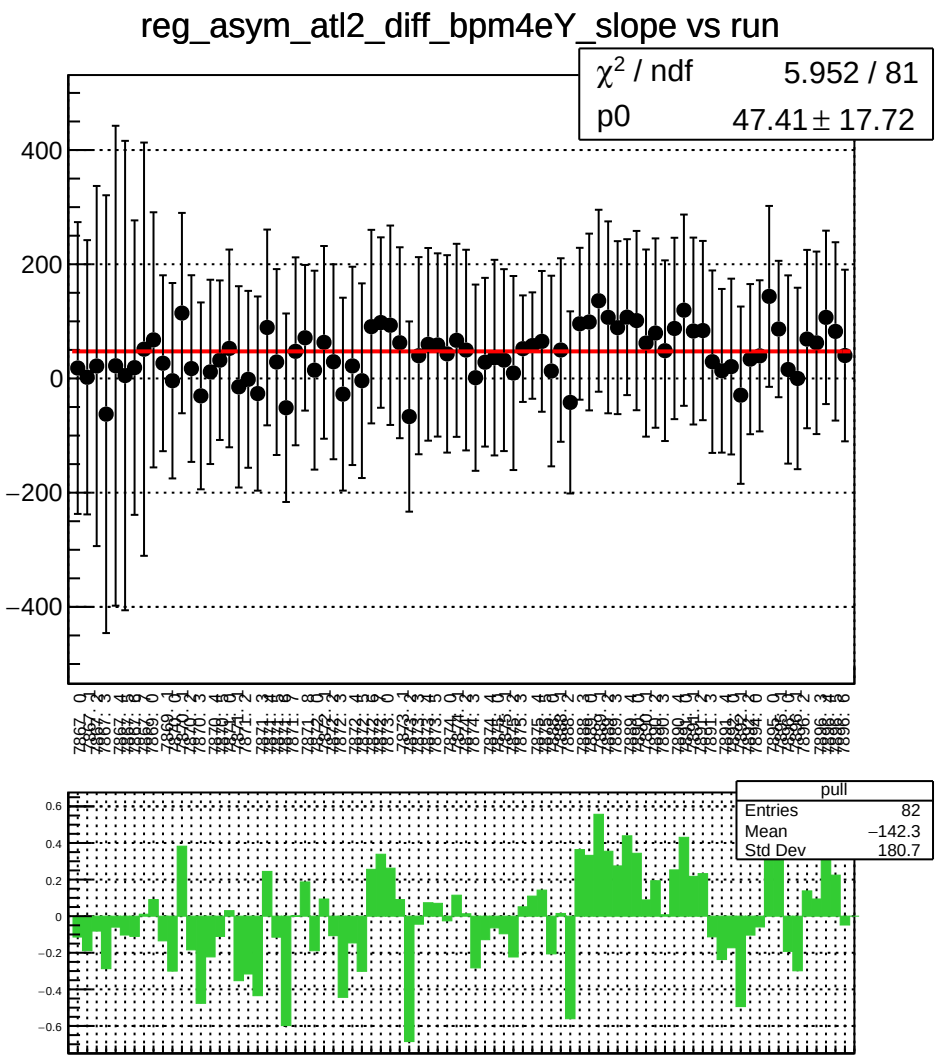

pull1D
Entries 82
Mean −0.9769
Std Dev 2.743

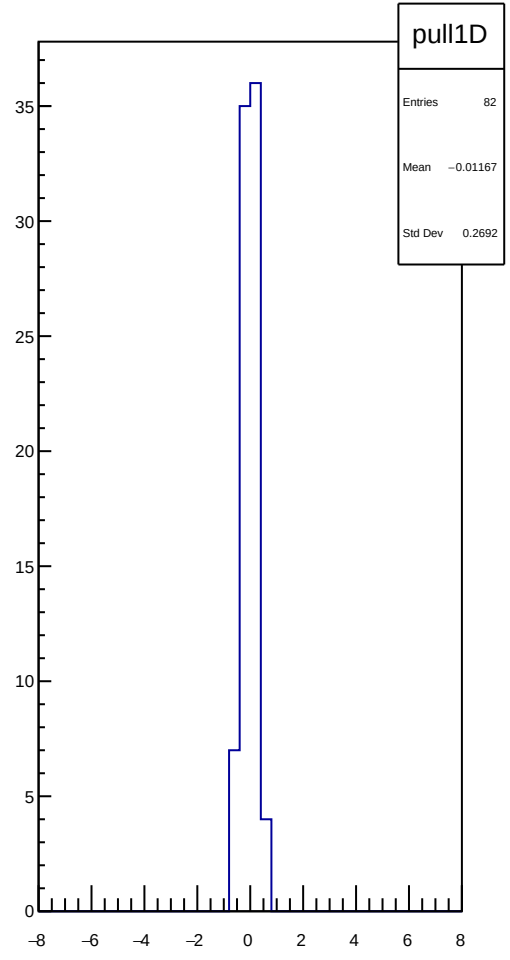

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 128.6 / 81
p0 −307.8 ± 13.48
pull
Entries 82
Mean 52.25
Std Dev 24.49
pull1D
Entries 82
Mean 0.3895
Std Dev 1.19

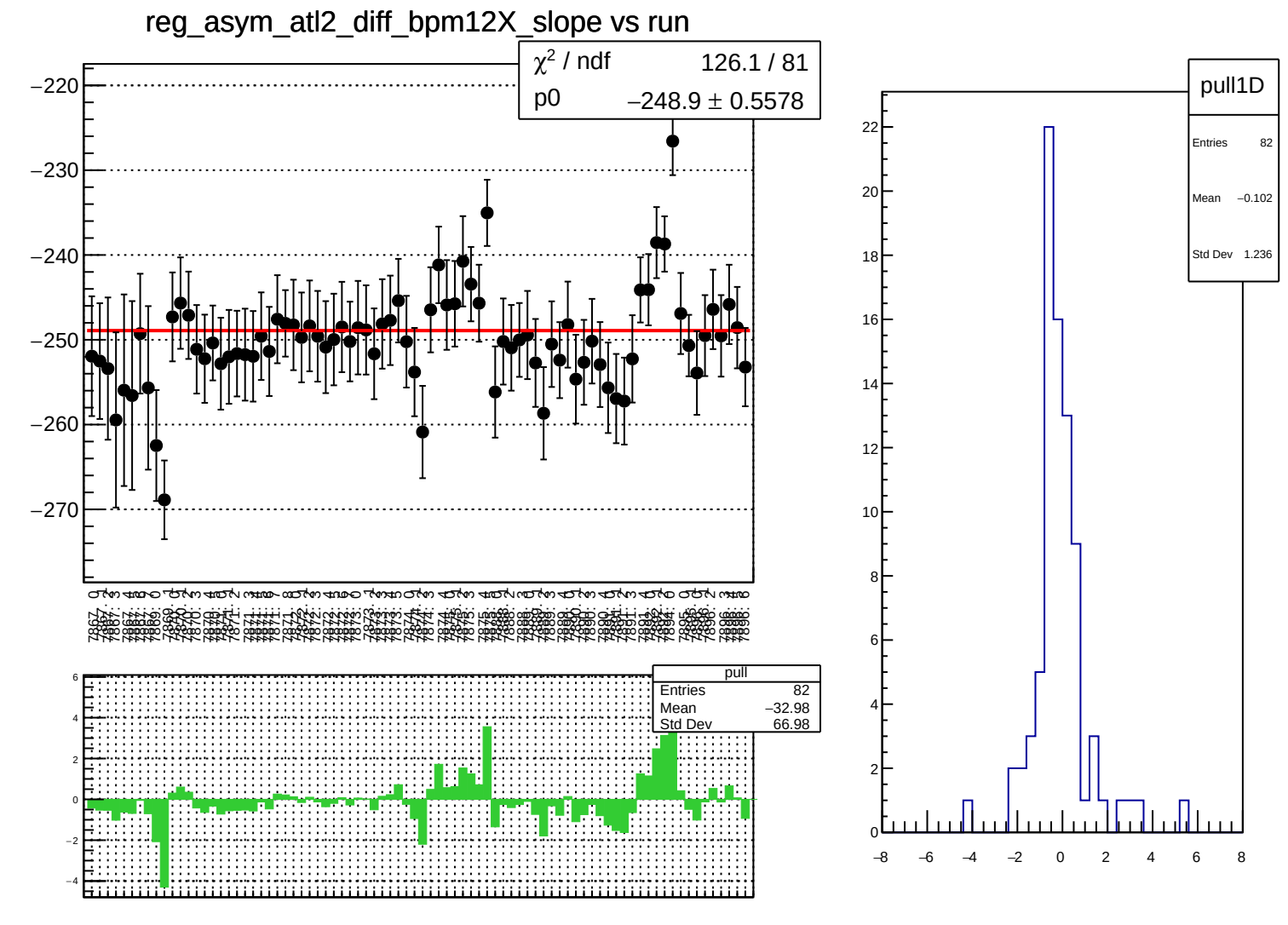

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.462 / 81
p0 51.49 ± 15.23
pull
Entries 82
Mean −90.81
Std Dev 127.5
pull1D
Entries 82
Mean 0.01621
Std Dev 0.2803

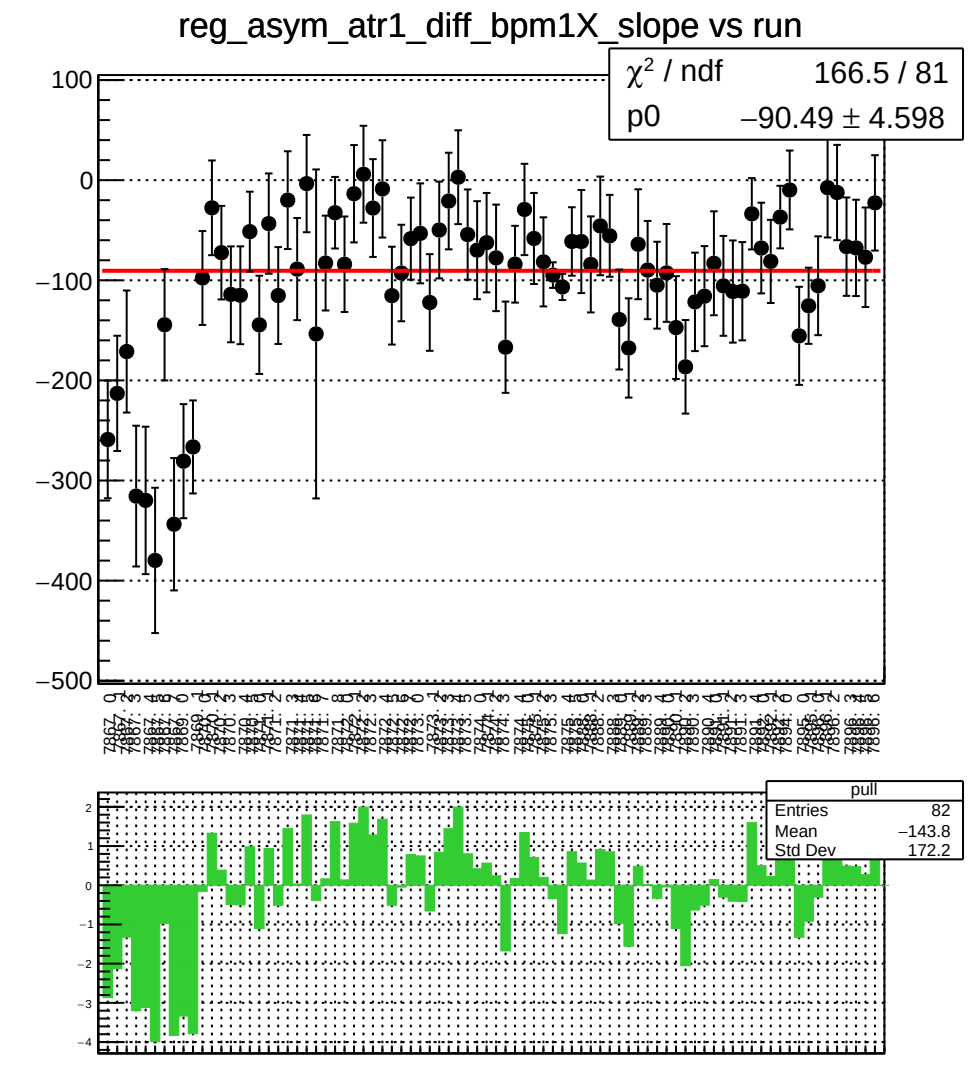

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 164.7 / 81
p0 229.6 ± 11.28
pull
Entries 82
Mean 50.5
Std Dev 24.98

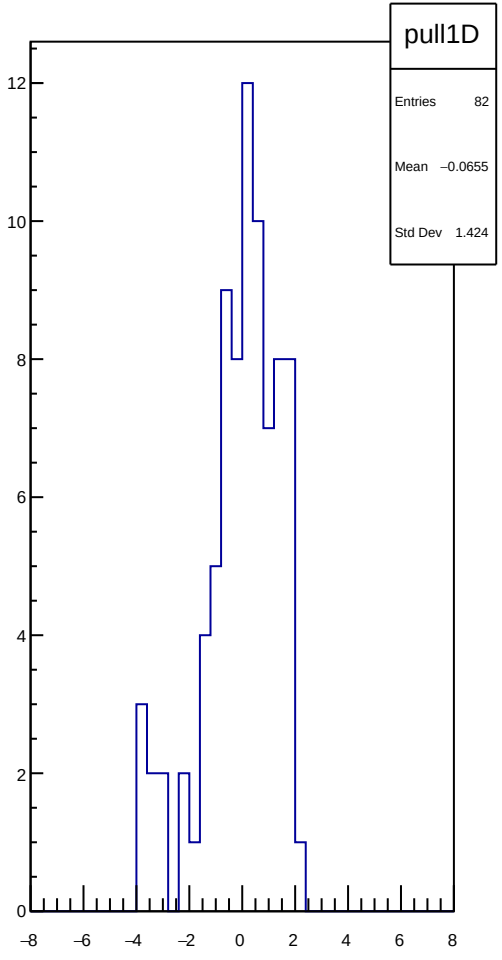

pull1D
Entries 82
Mean −0.5343
Std Dev 1.313

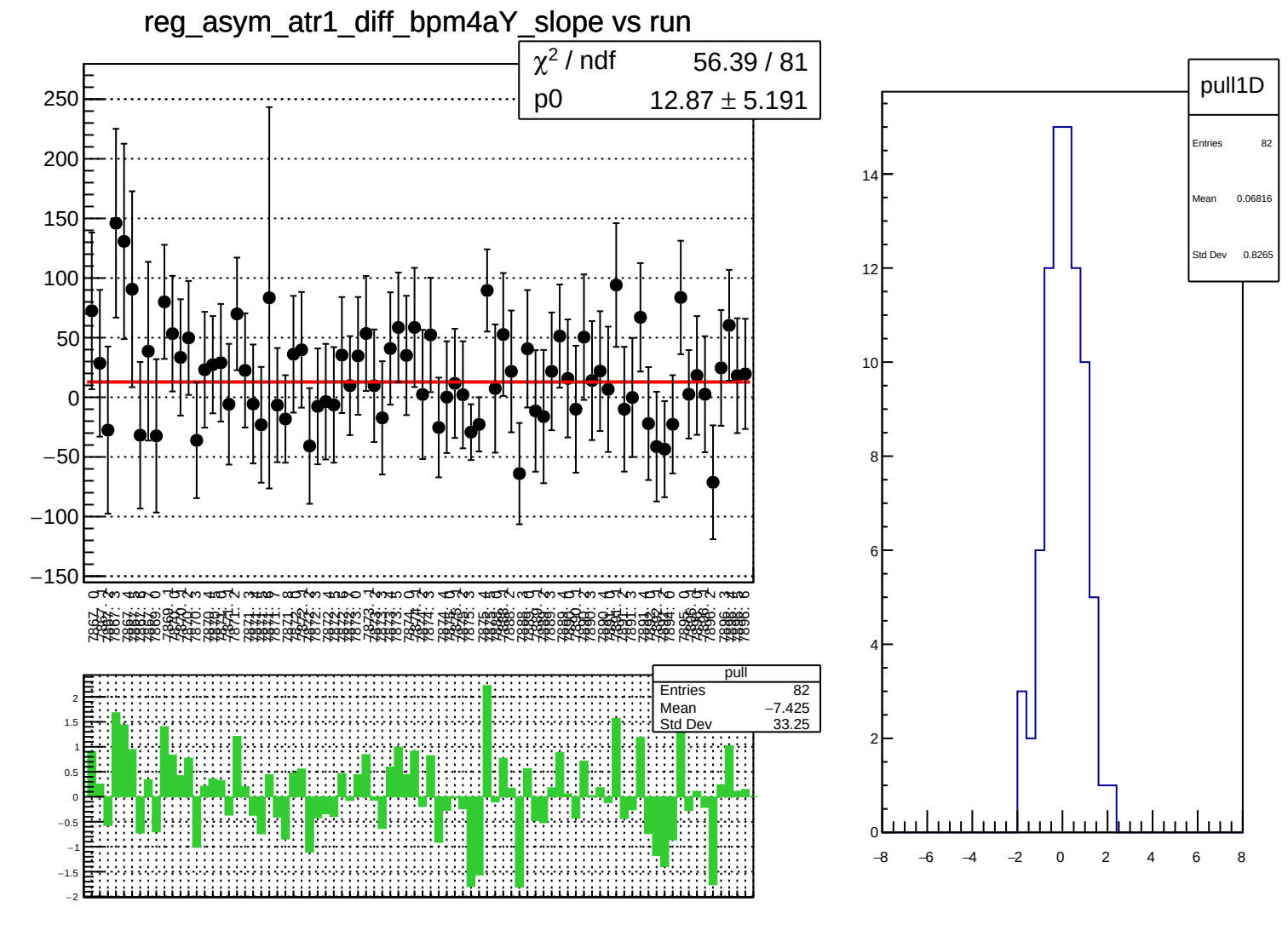

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.952 / 81
p0 47.41 ± 17.72
pull
Entries 82
Mean −142.3
Std Dev 180.7

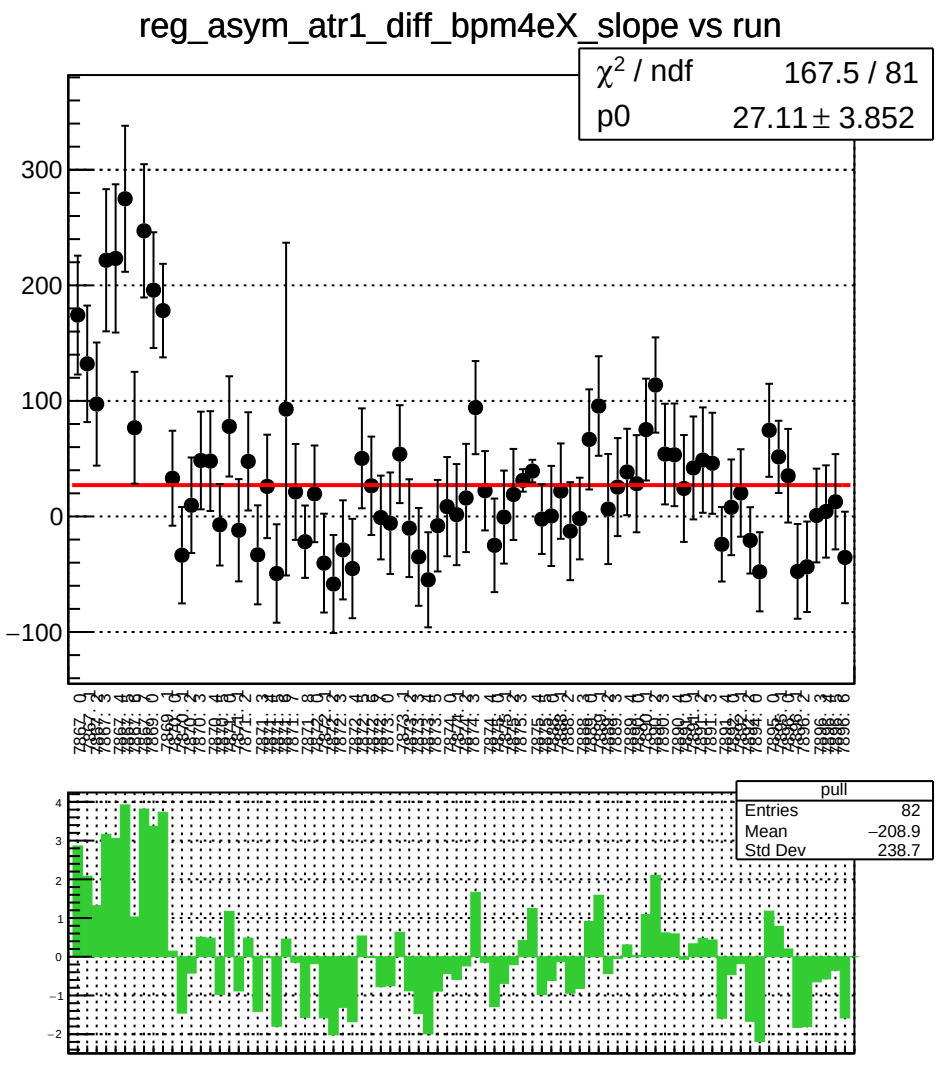

pull1D
Entries 82
Mean −0.01167
Std Dev 0.2692

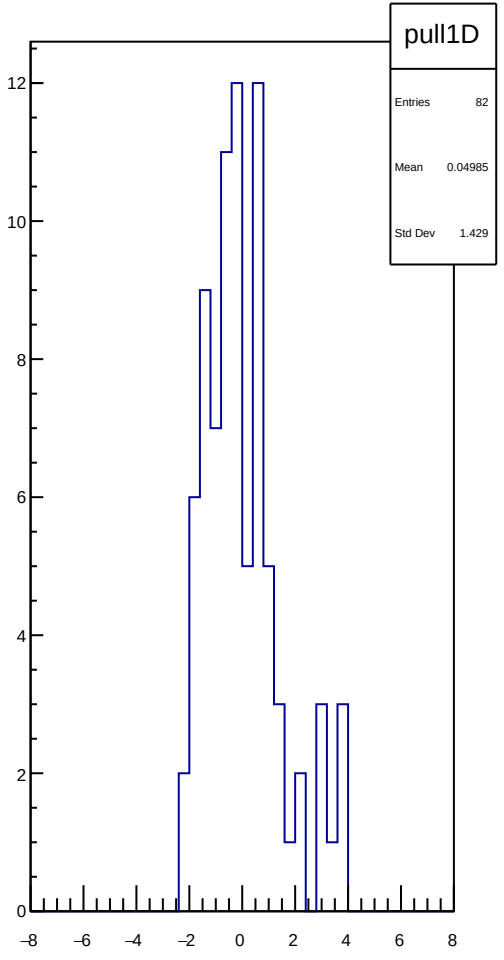

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 126.1 / 81
p0 −248.9 ± 0.5578
pull
Entries 82
Mean −32.98
Std Dev 66.98
pull1D
Entries 82
Mean −0.102
Std Dev 1.236

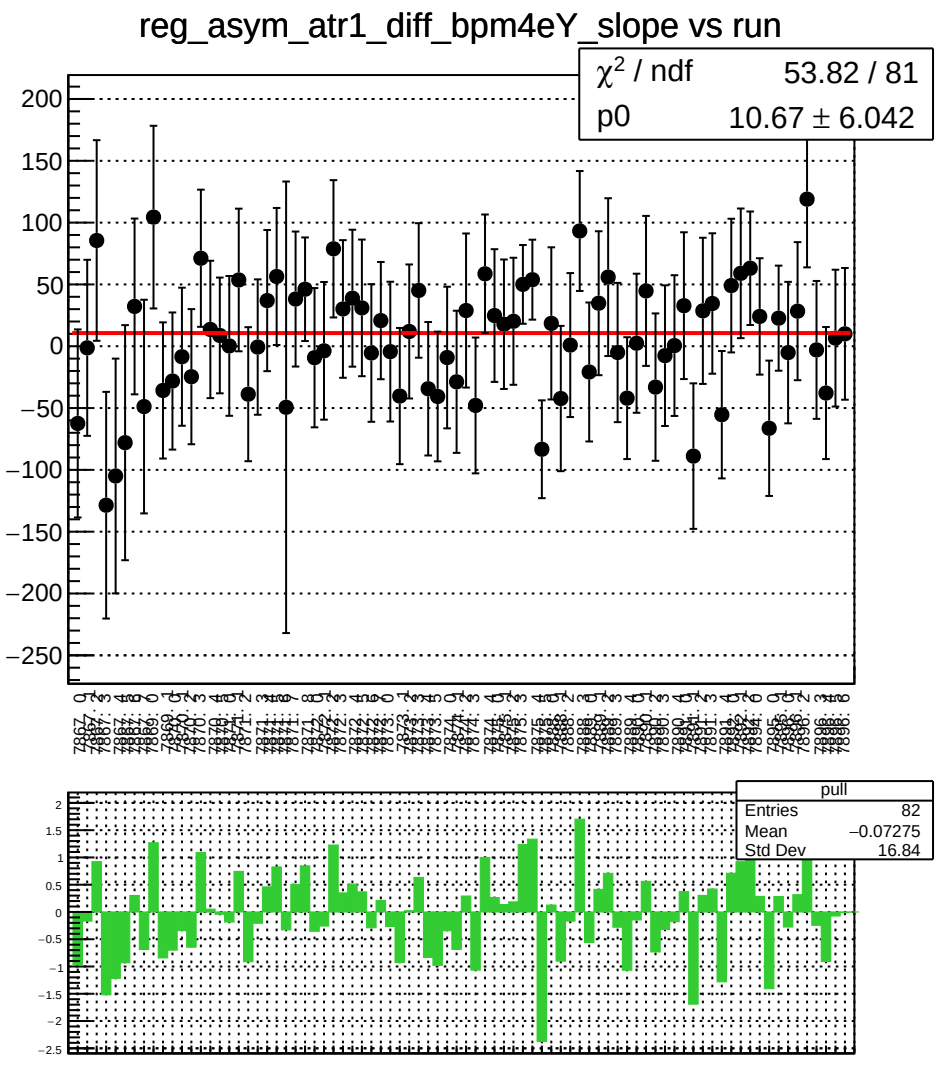

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 166.5 / 81
p0 −90.49 ± 4.598
pull
Entries 82
Mean −143.8
Std Dev 172.2

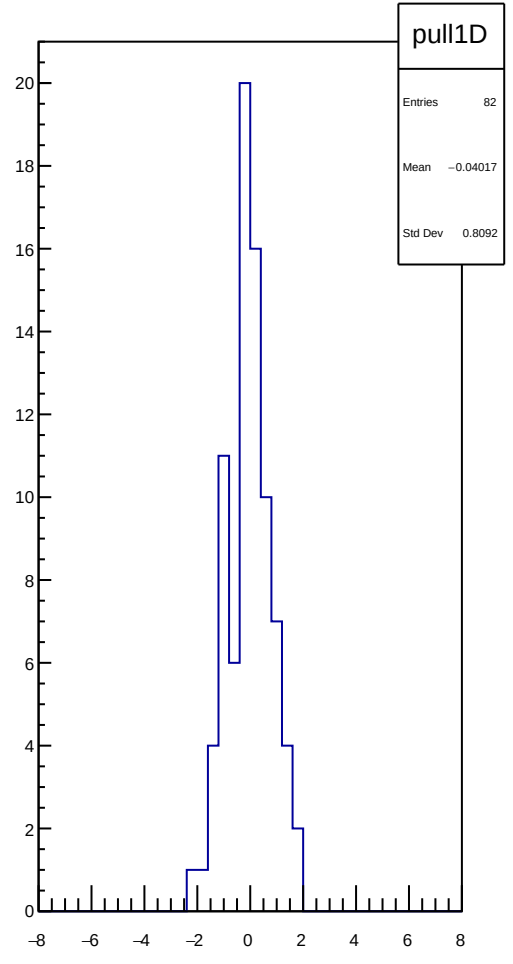

pull1D
Entries 82
Mean −0.0655
Std Dev 1.424

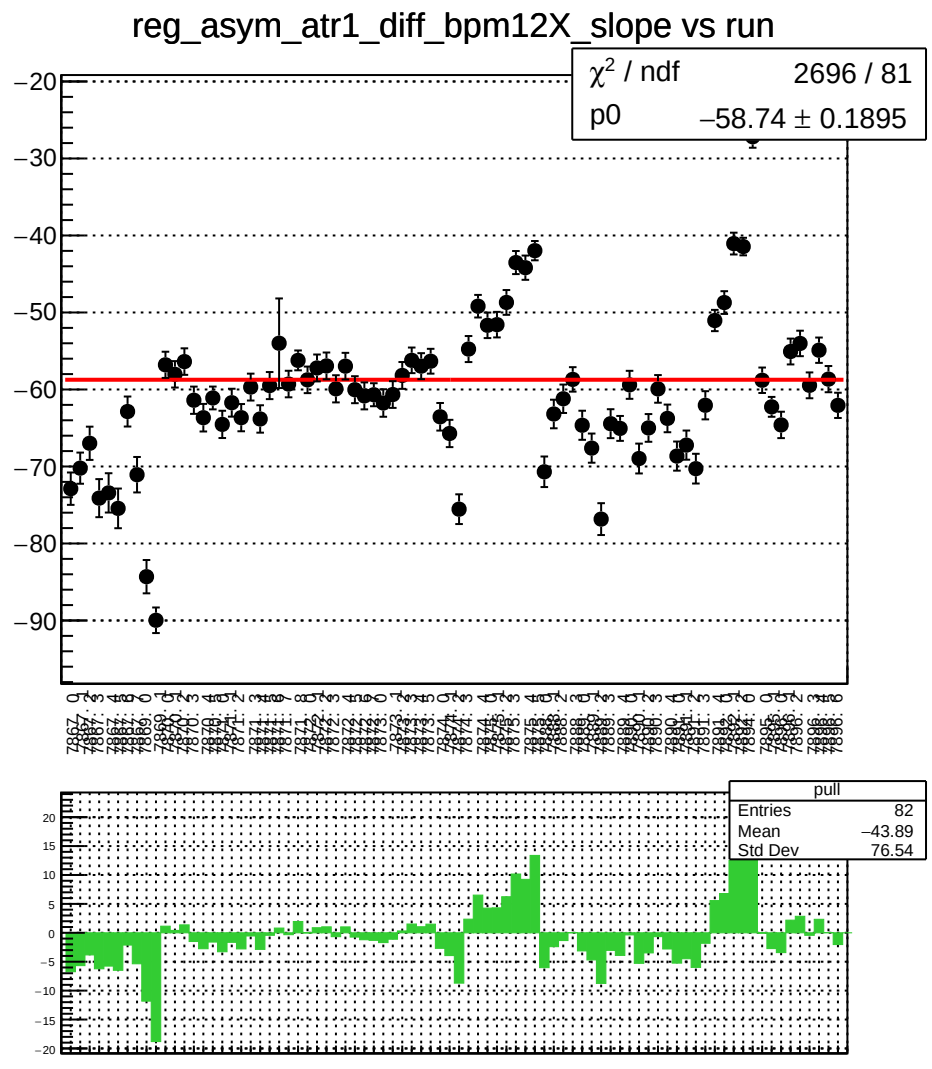

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 56.39 / 81
p0 12.87 ± 5.191
pull
Entries 82
Mean −7.425
Std Dev 33.25
pull1D
Entries 82
Mean 0.06816
Std Dev 0.8265

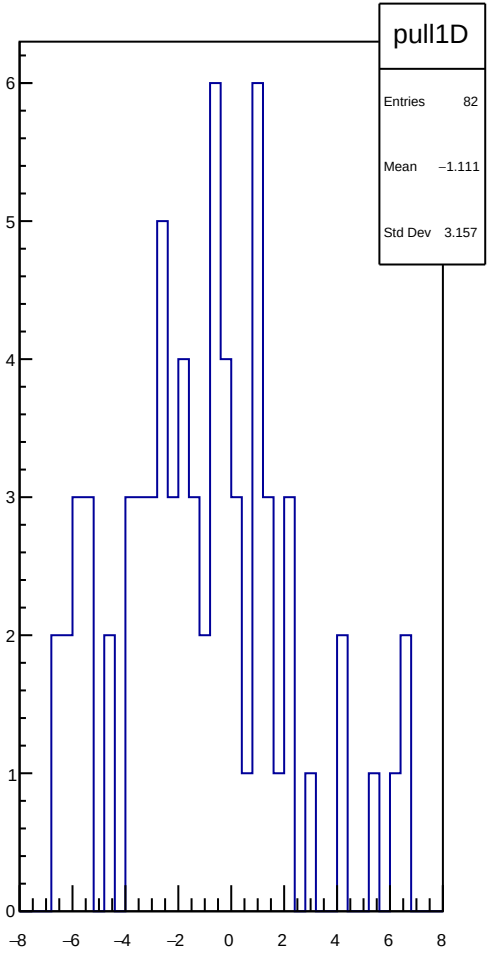

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 167.5 / 81
p0 27.11 ± 3.852
300
200
100
0
−100
pull
Entries 82
Mean −208.9
Std Dev 238.7
4
3
2
1
0
−1
−2

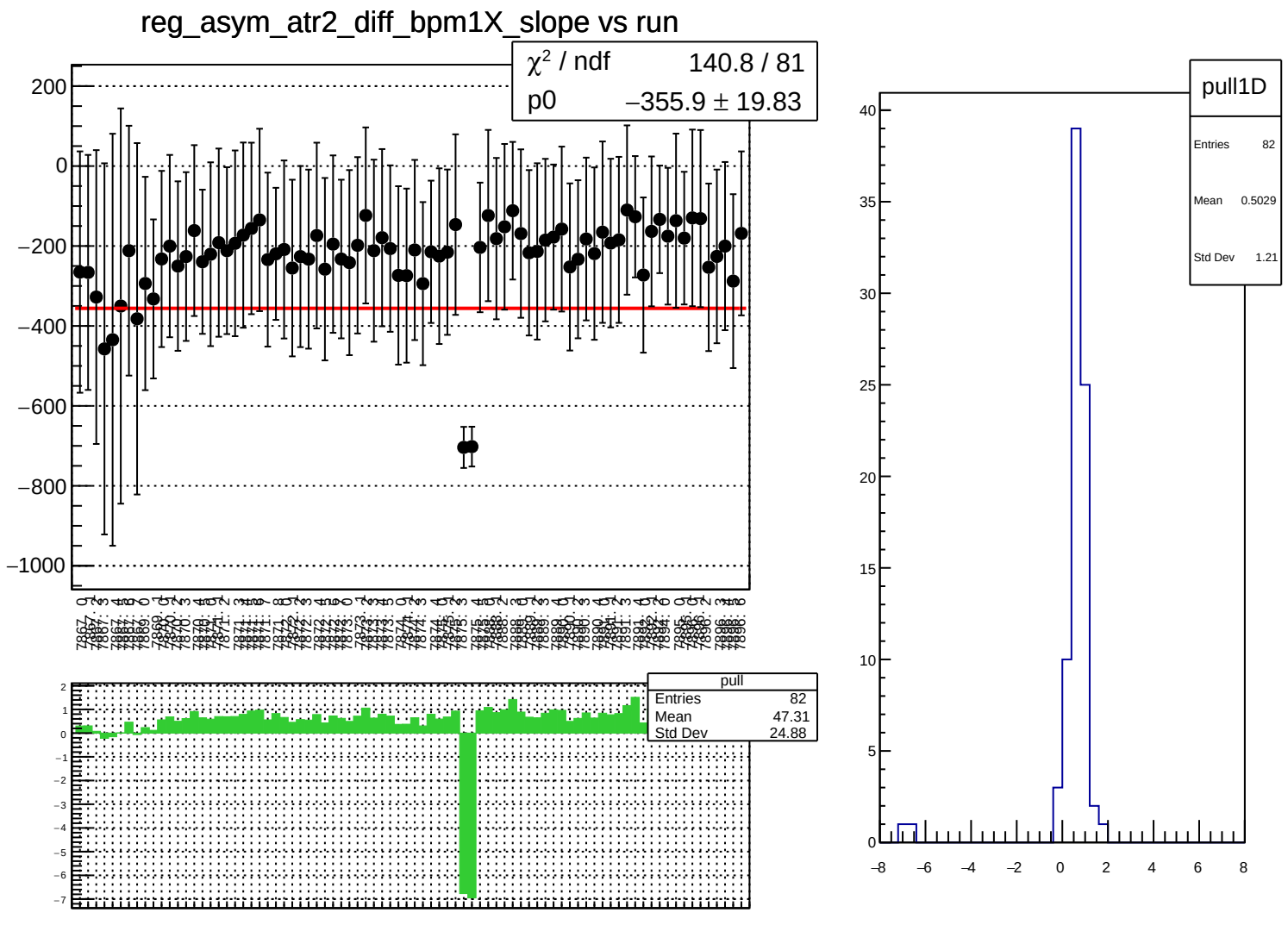

pull1D
Entries 82
Mean 0.04985
Std Dev 1.429
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

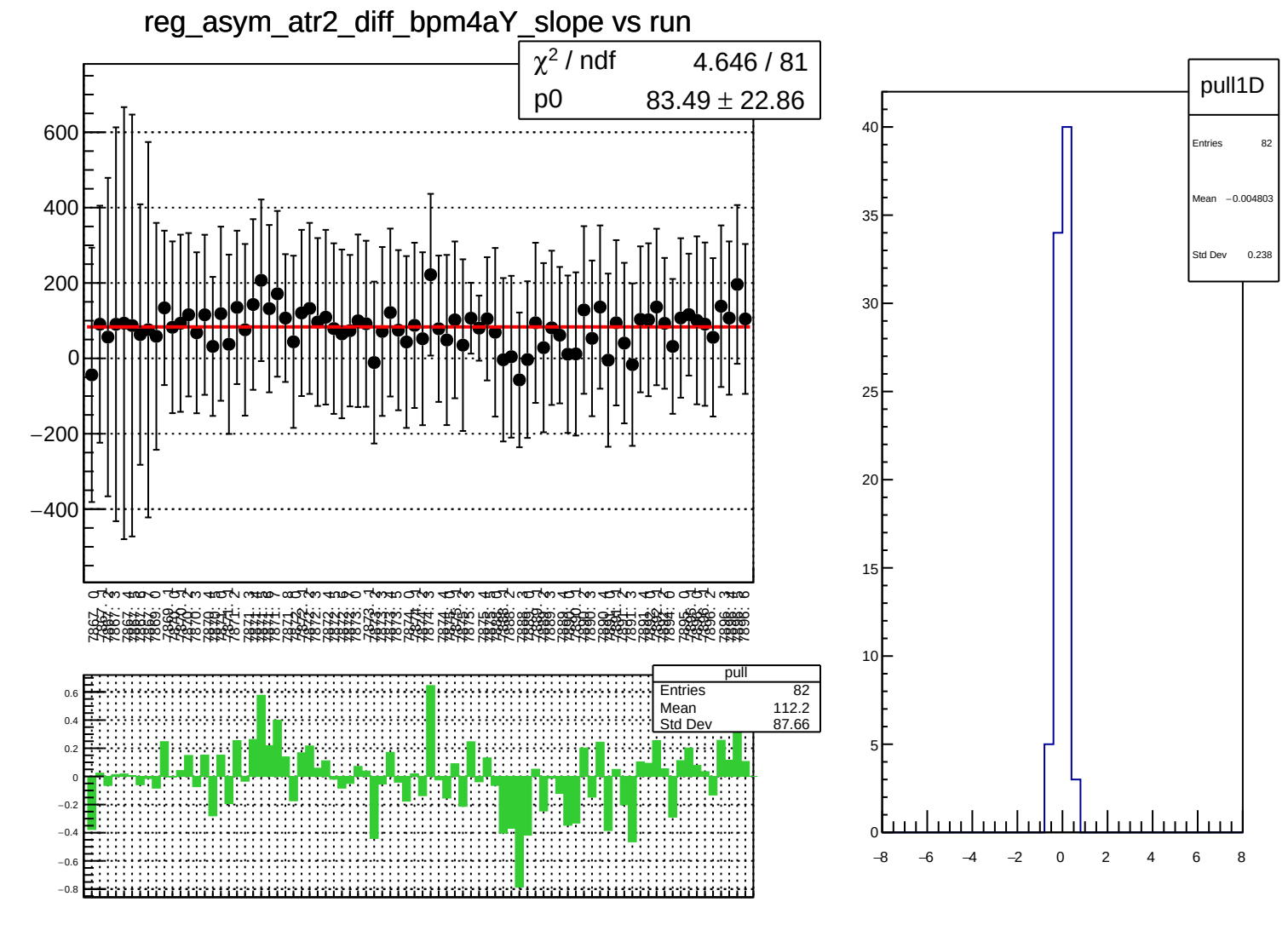

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 53.82 / 81
p0 10.67 ± 6.042
pull
Entries 82
Mean −0.07275
Std Dev 16.84

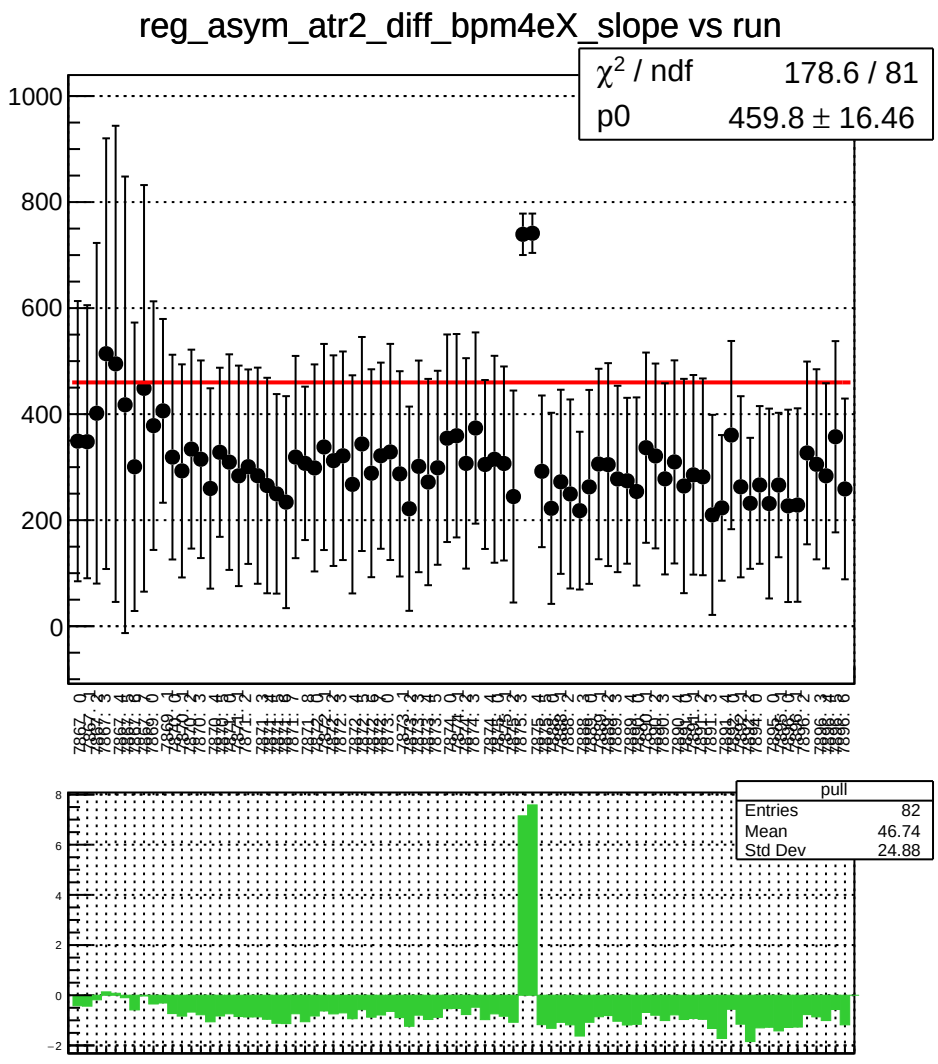

pull1D
Entries 82
Mean −0.04017
Std Dev 0.8092

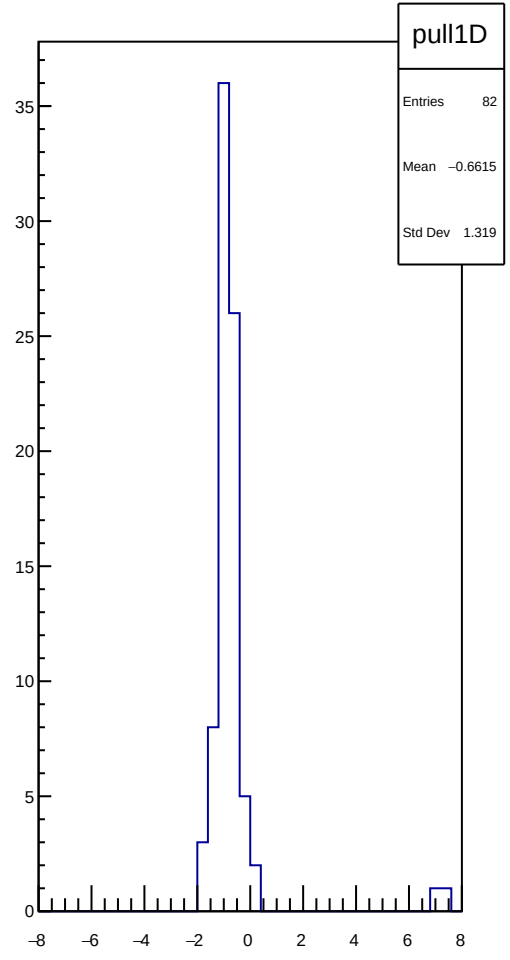

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 2696 / 81
p0 −58.74 ± 0.1895
pull
Entries 82
Mean −43.89
Std Dev 76.54

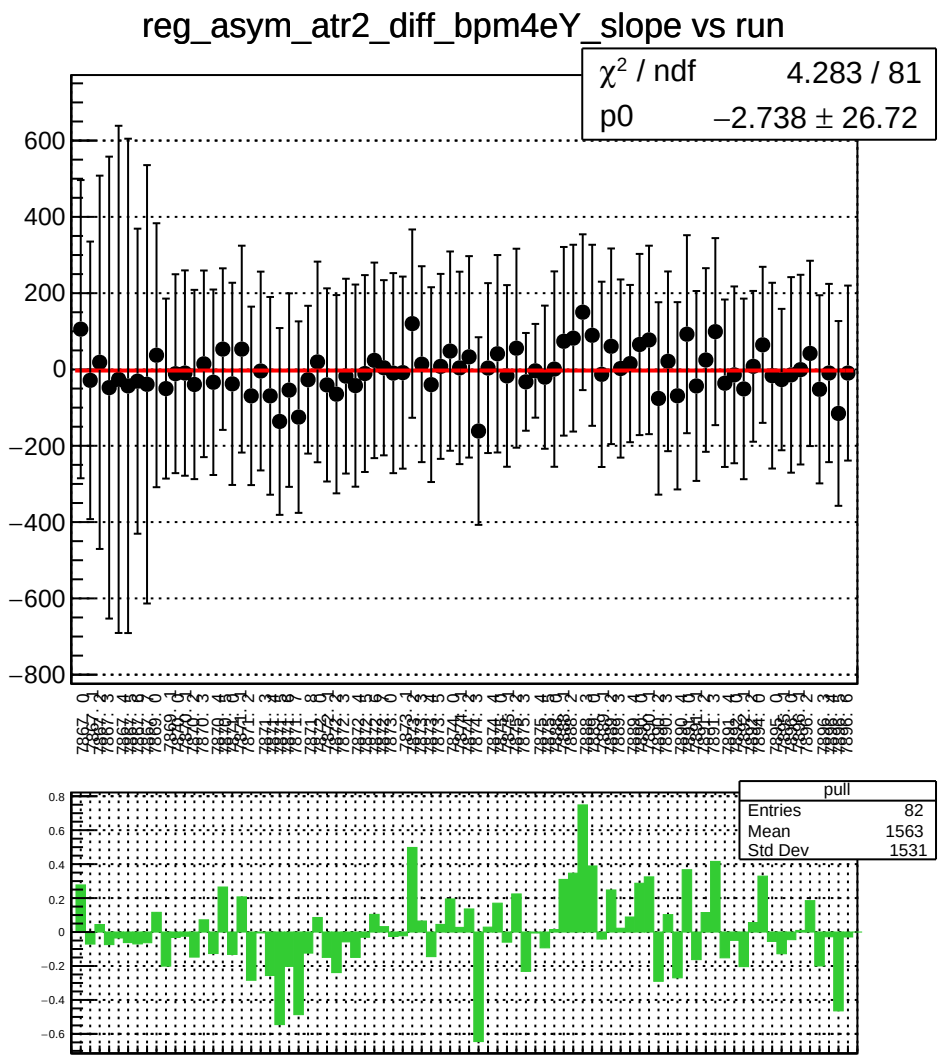

pull1D
Entries 82
Mean −1.111
Std Dev 3.157

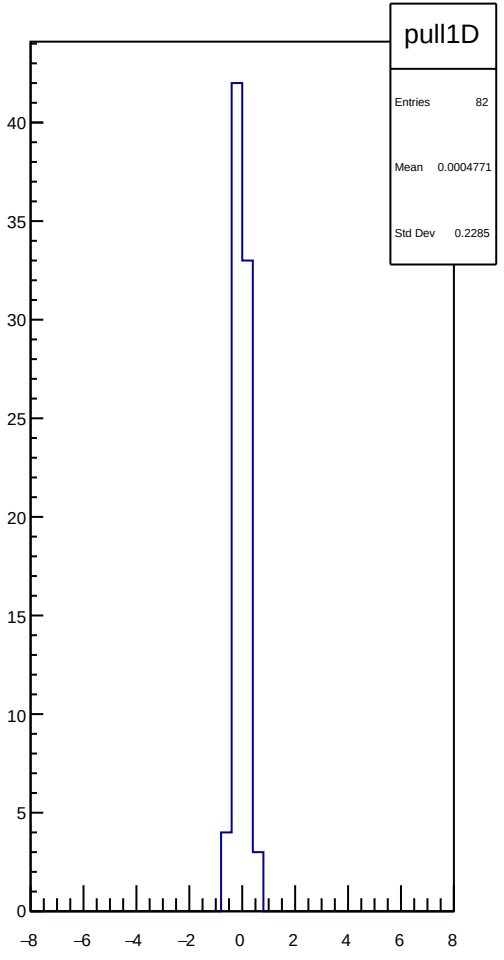

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 140.8 / 81
p0 −355.9 ± 19.83
pull
Entries 82
Mean 47.31
Std Dev 24.88
pull1D
Entries 82
Mean 0.5029
Std Dev 1.21

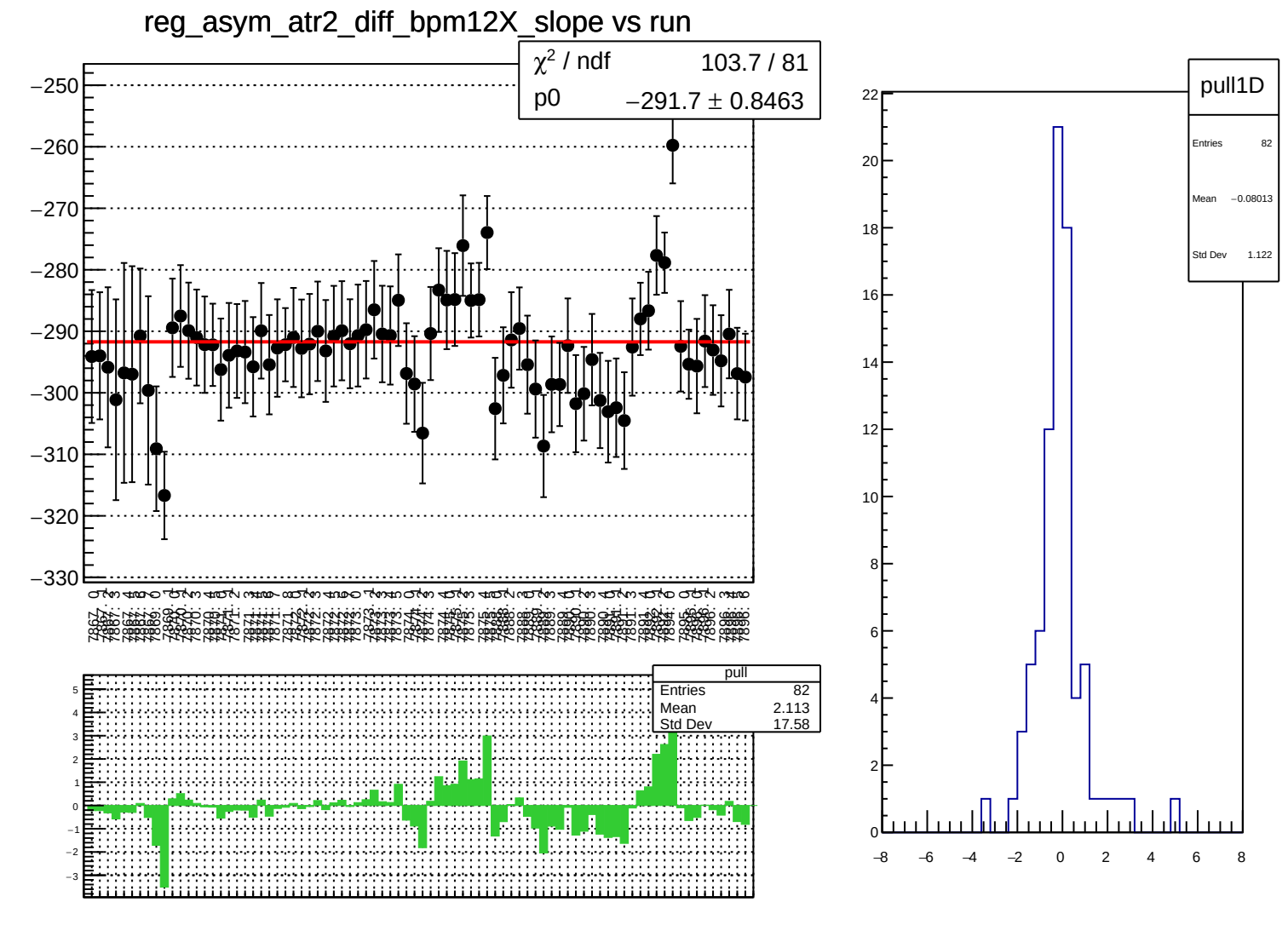

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.646 / 81
p0 83.49 ± 22.86
pull
Entries 82
Mean 112.2
Std Dev 87.66
pull1D
Entries 82
Mean −0.004803
Std Dev 0.238

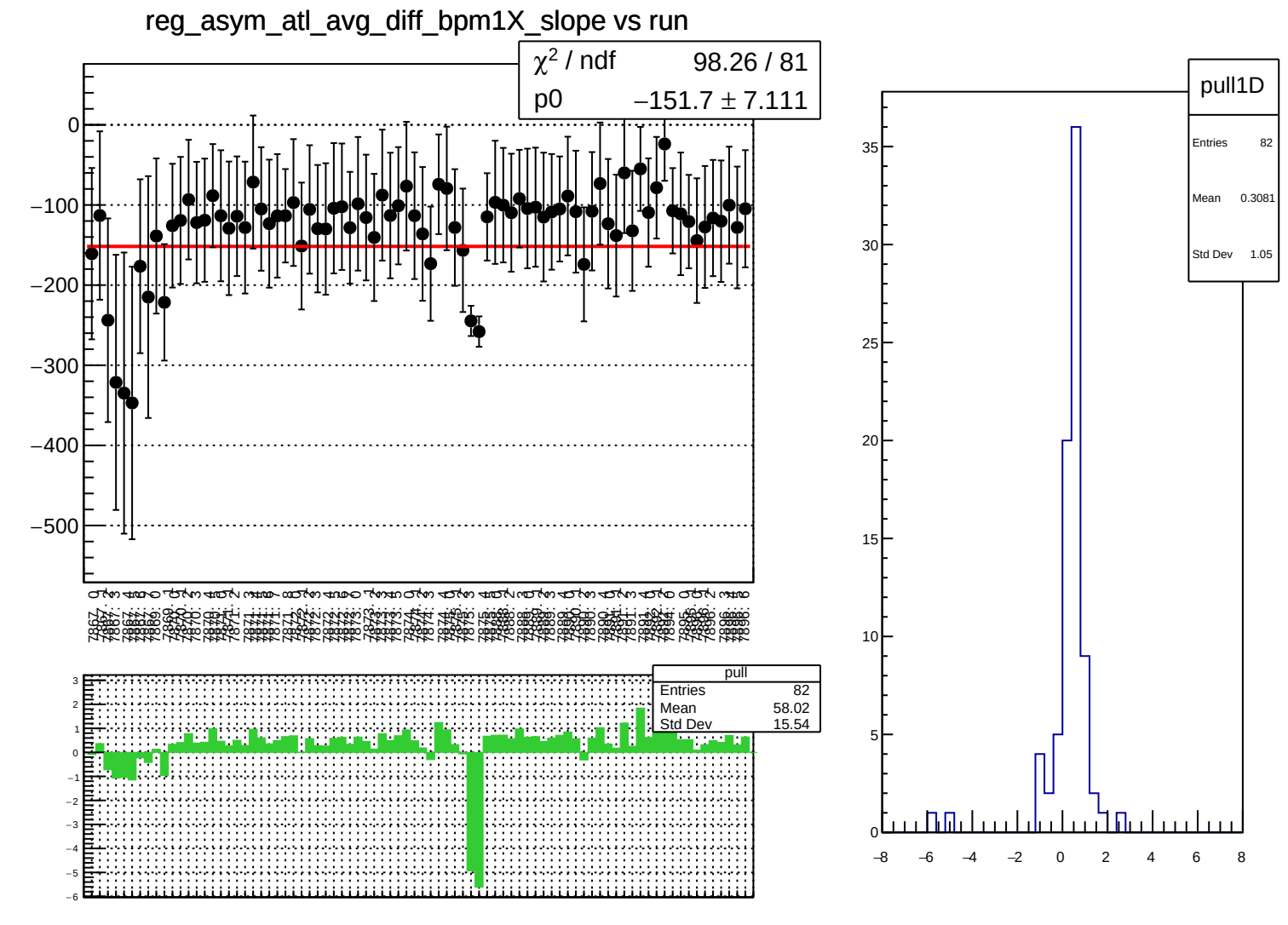

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 178.6 / 81
p0 459.8 ± 16.46
pull
Entries 82
Mean 46.74
Std Dev 24.88

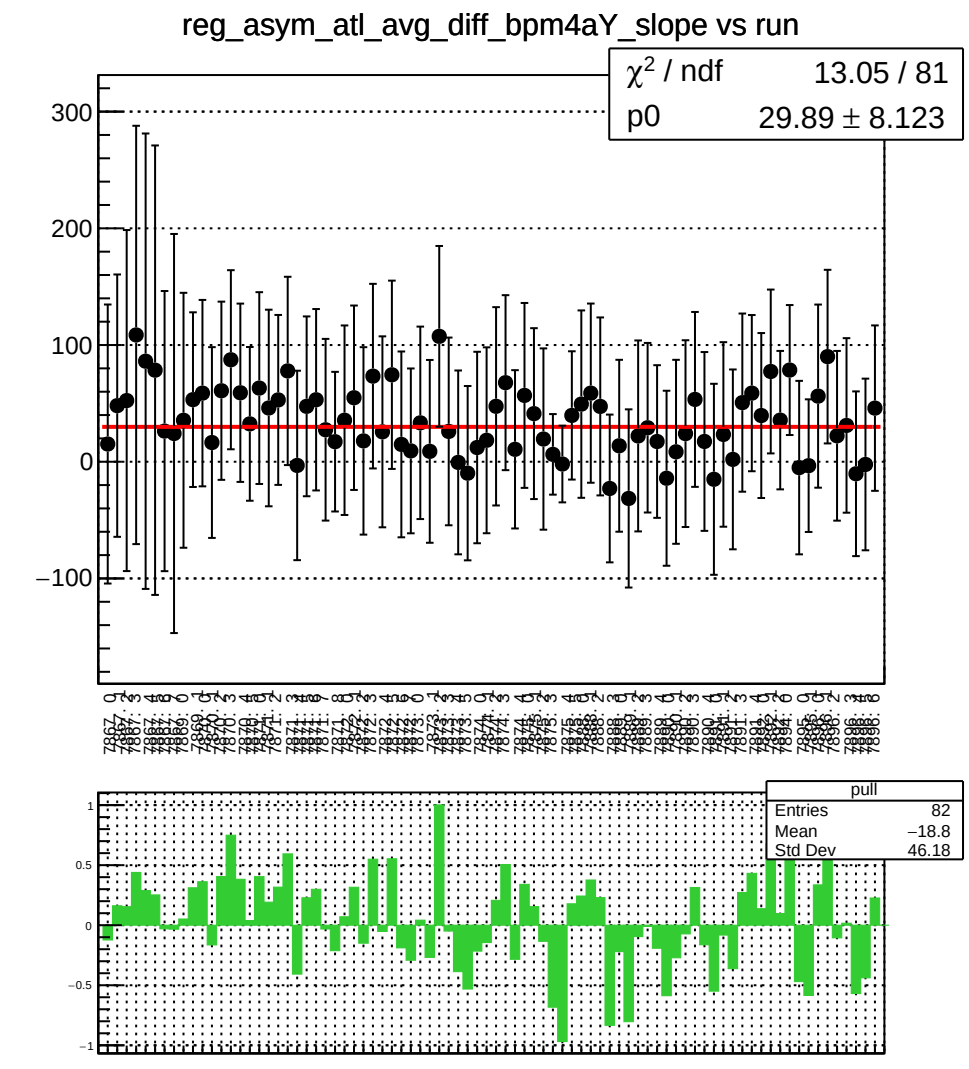

pull1D
Entries 82
Mean −0.6615
Std Dev 1.319

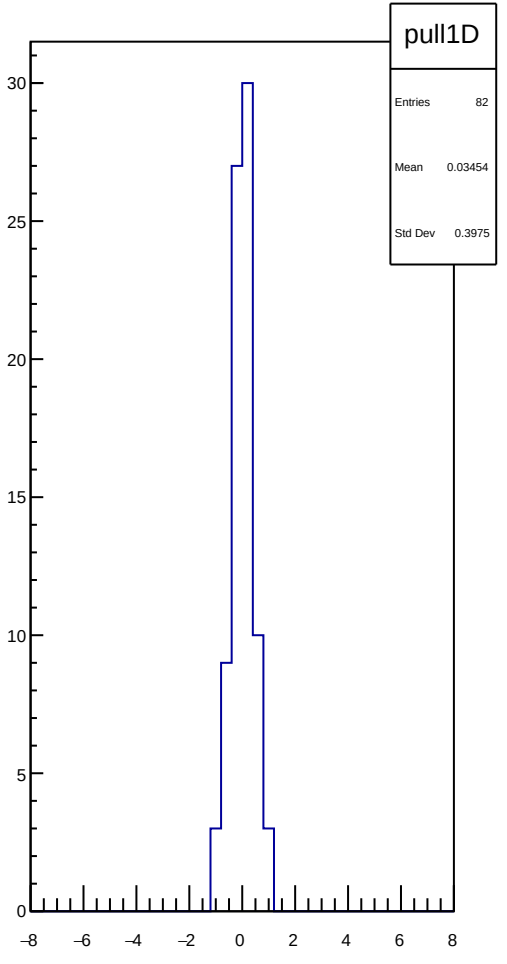

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.283 / 81
p0 −2.738 ± 26.72
pull
Entries 82
Mean 1563
Std Dev 1531

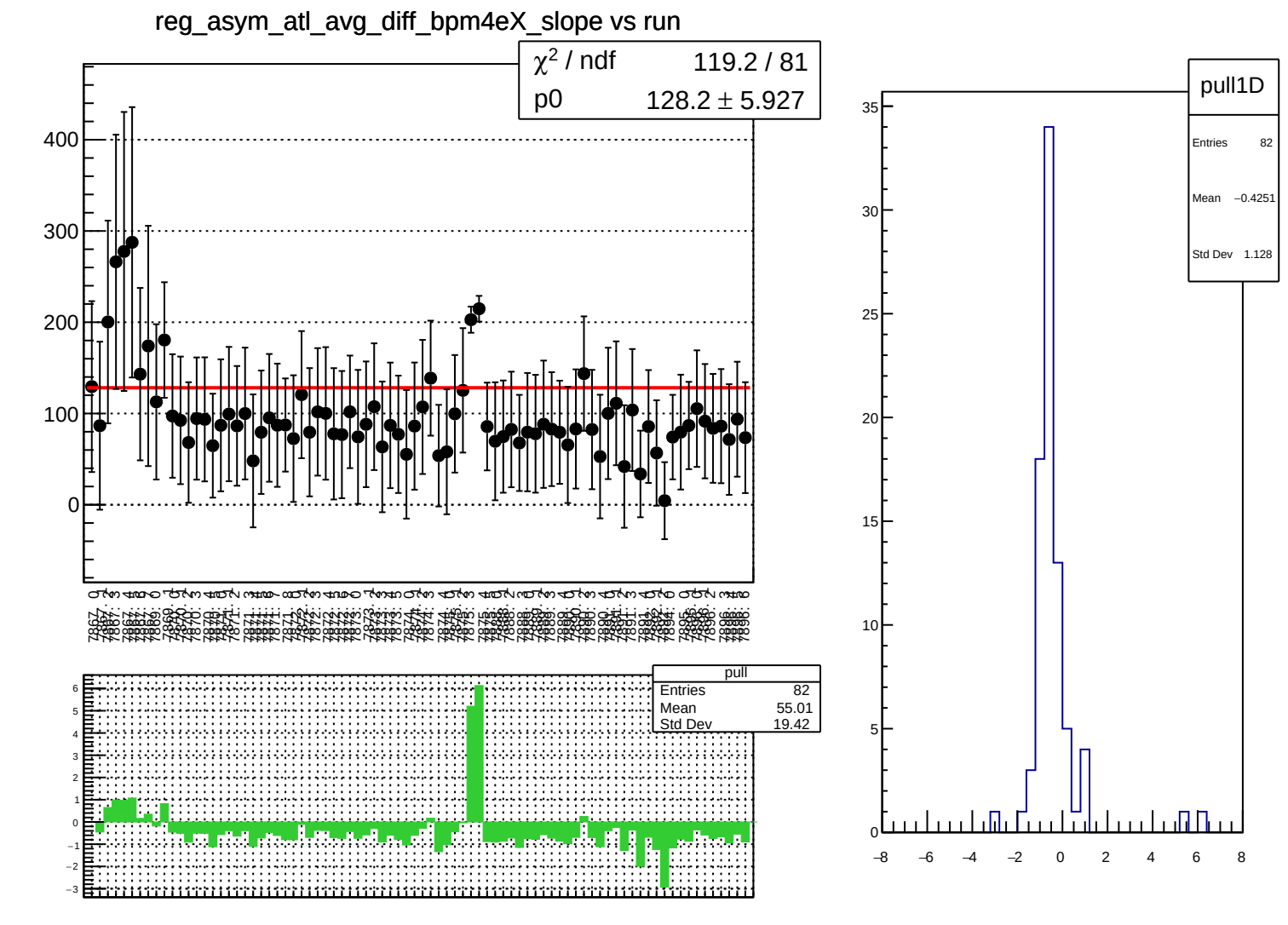

pull1D
Entries 82
Mean 0.0004771
Std Dev 0.2285

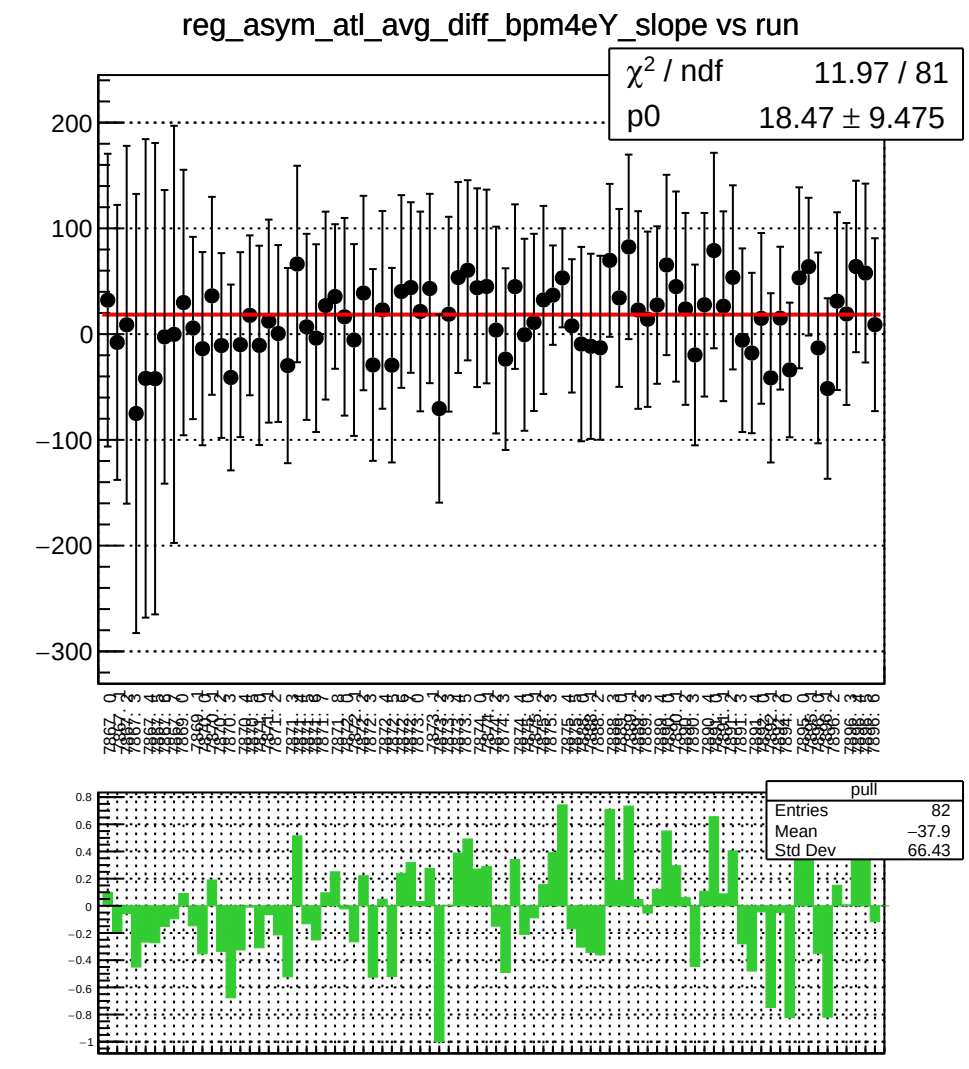

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 103.7 / 81
p0 −291.7 ± 0.8463
pull
Entries 82
Mean 2.113
Std Dev 17.58
pull1D
Entries 82
Mean −0.08013
Std Dev 1.122

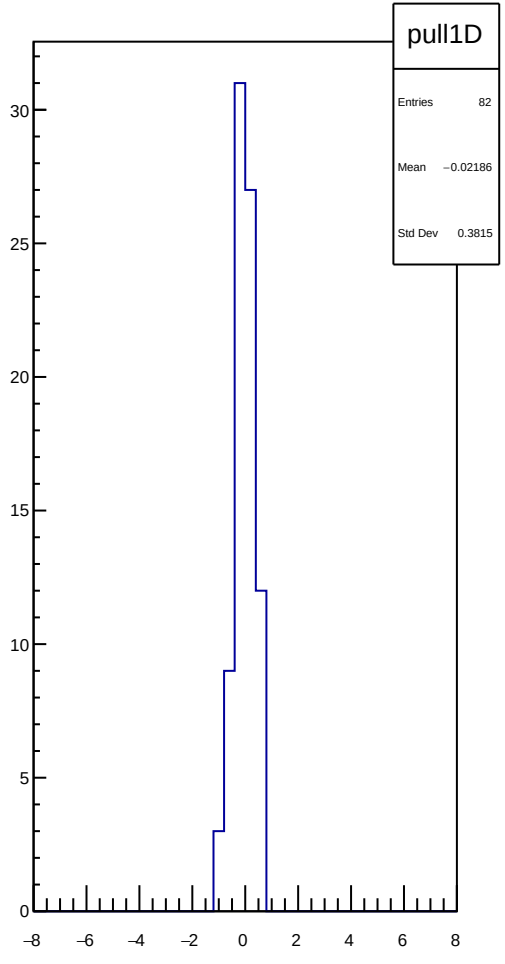

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 98.26 / 81
p0 −151.7 ± 7.111
pull
Entries 82
Mean 58.02
Std Dev 15.54
pull1D
Entries 82
Mean 0.3081
Std Dev 1.05

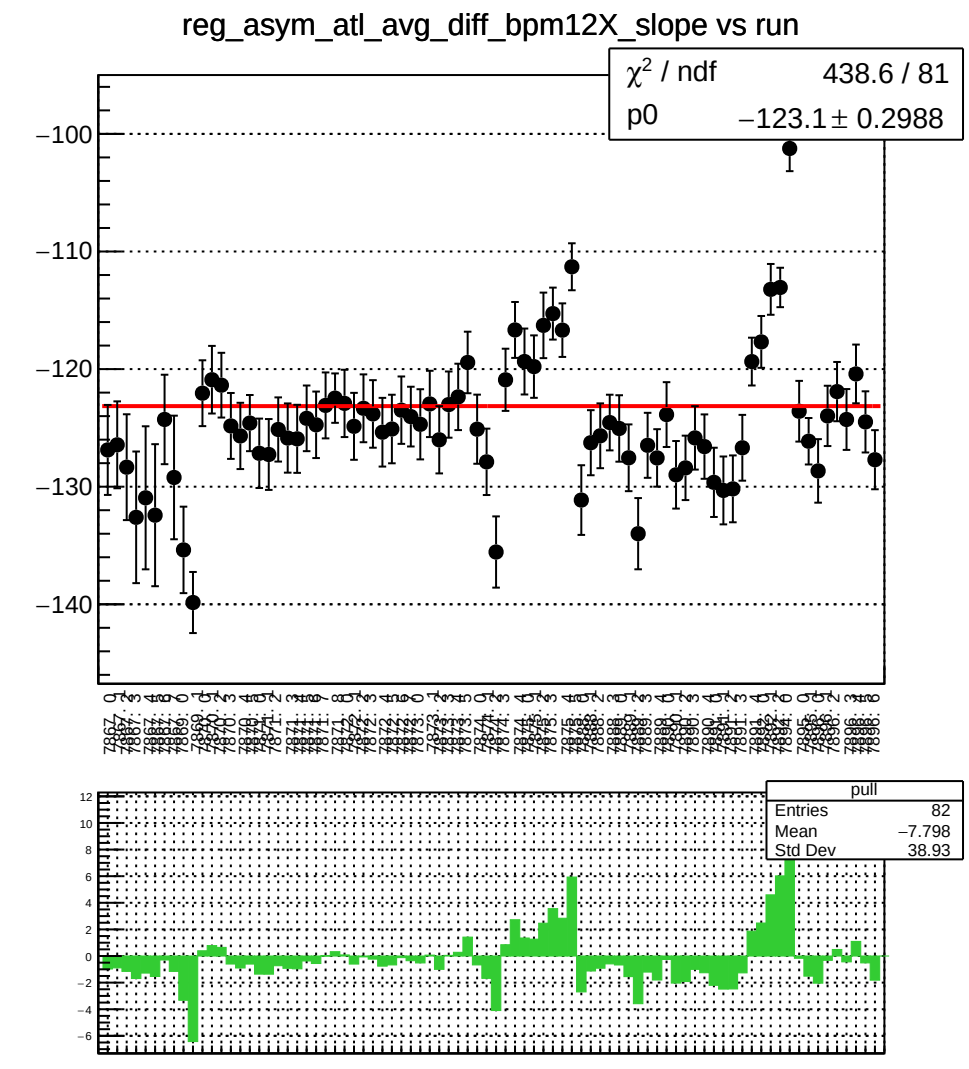

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.05 / 81
p0 29.89 ± 8.123
300
200
100
0
−100
pull
Entries 82
Mean −18.8
Std Dev 46.18
1
0.5
0
−0.5
−1

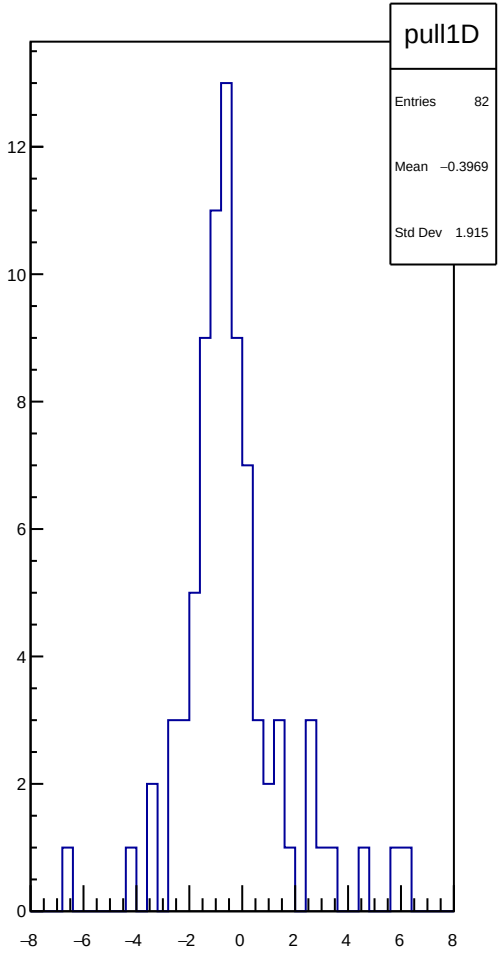

pull1D
Entries 82
Mean 0.03454
Std Dev 0.3975
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

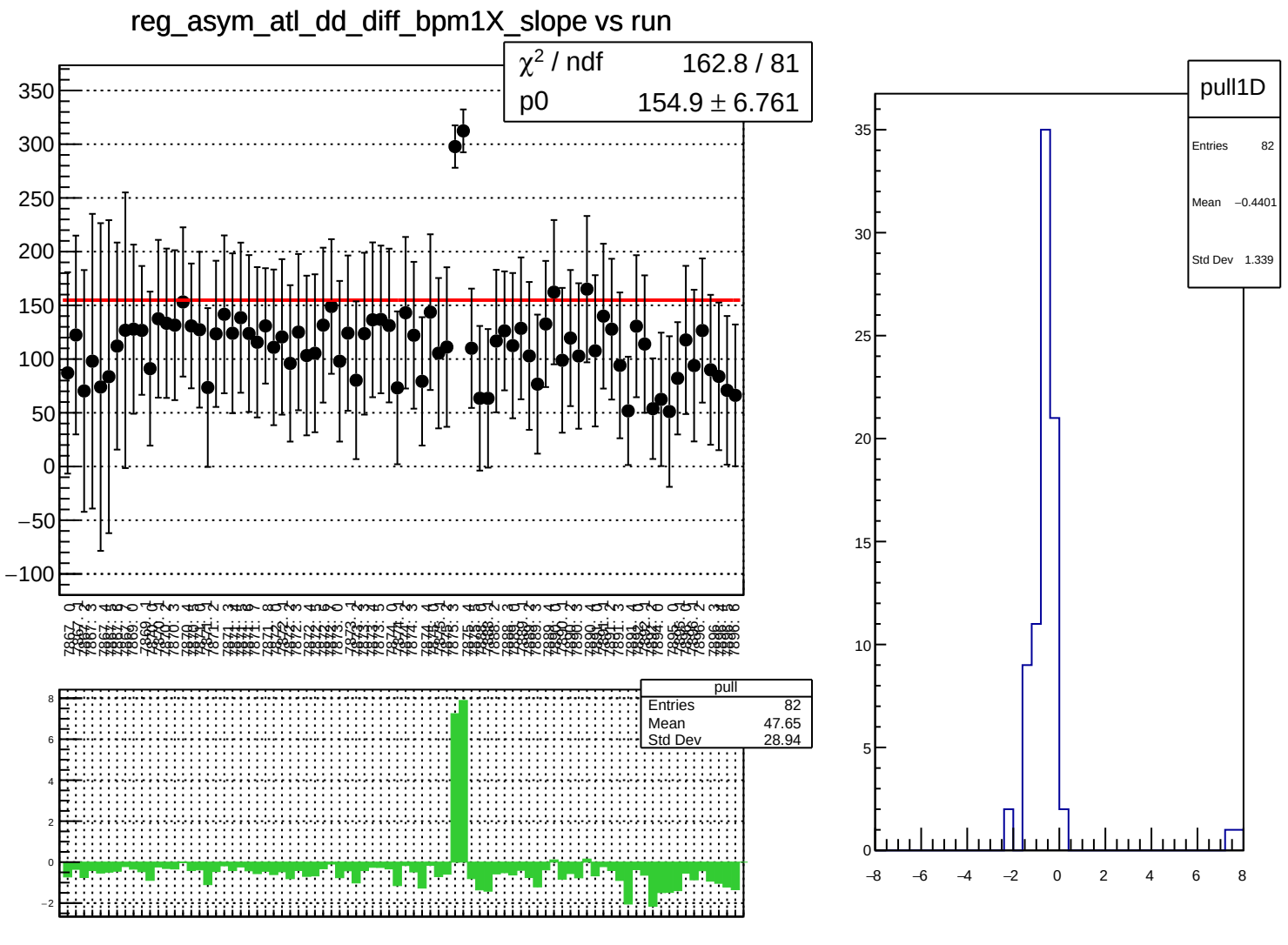

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 119.2 / 81
p0 128.2 ± 5.927
400
300
200
100
0
pull
Entries 82
Mean 55.01
Std Dev 19.42
6
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.4251
Std Dev 1.128
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

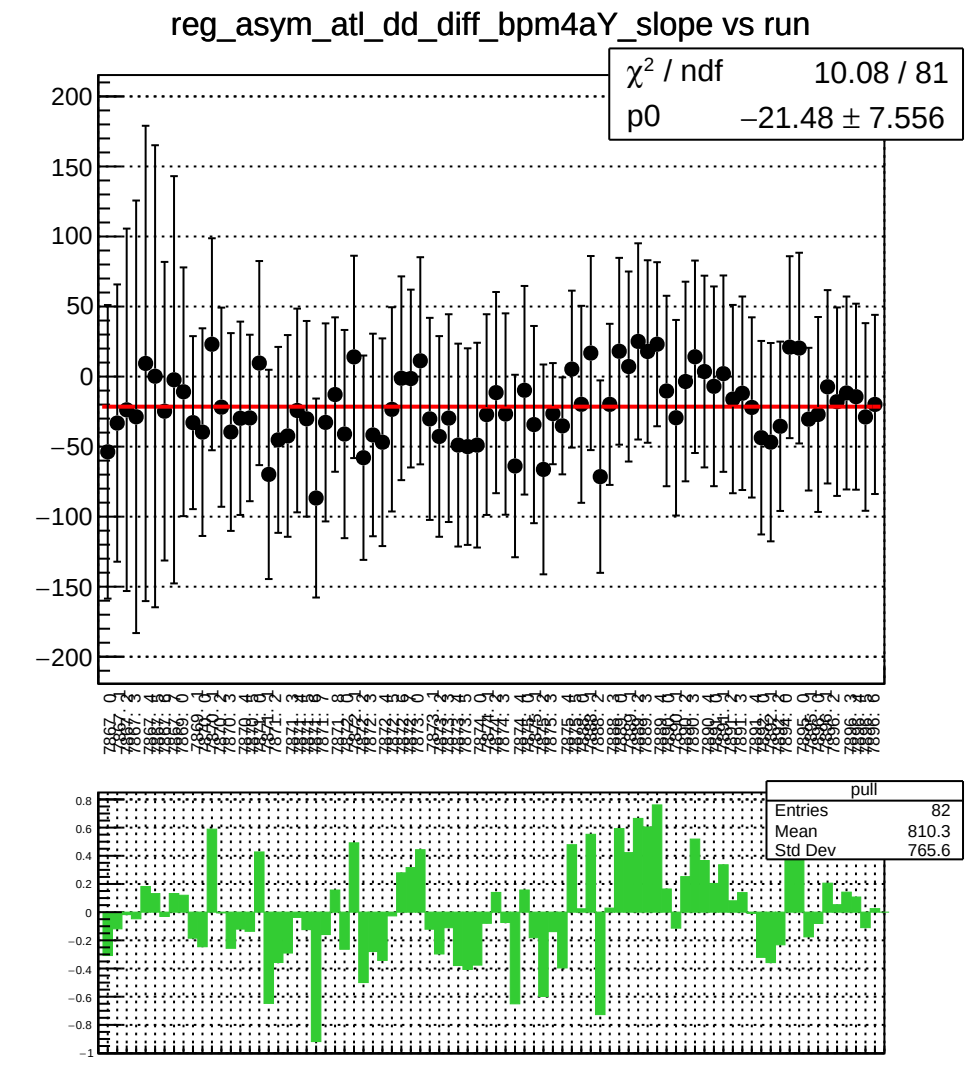

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.97 / 81
p0 18.47 ± 9.475
pull
Entries 82
Mean −37.9
Std Dev 66.43

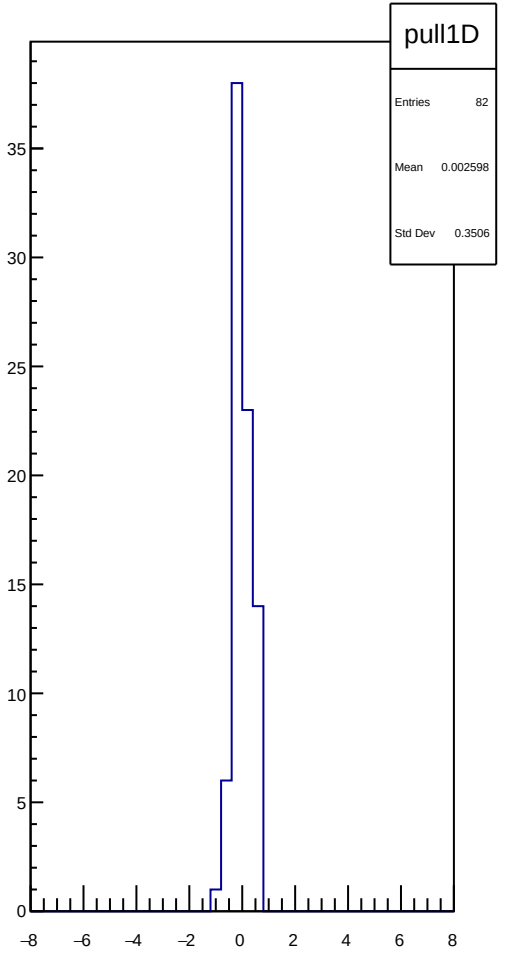

pull1D
Entries 82
Mean −0.02186
Std Dev 0.3815

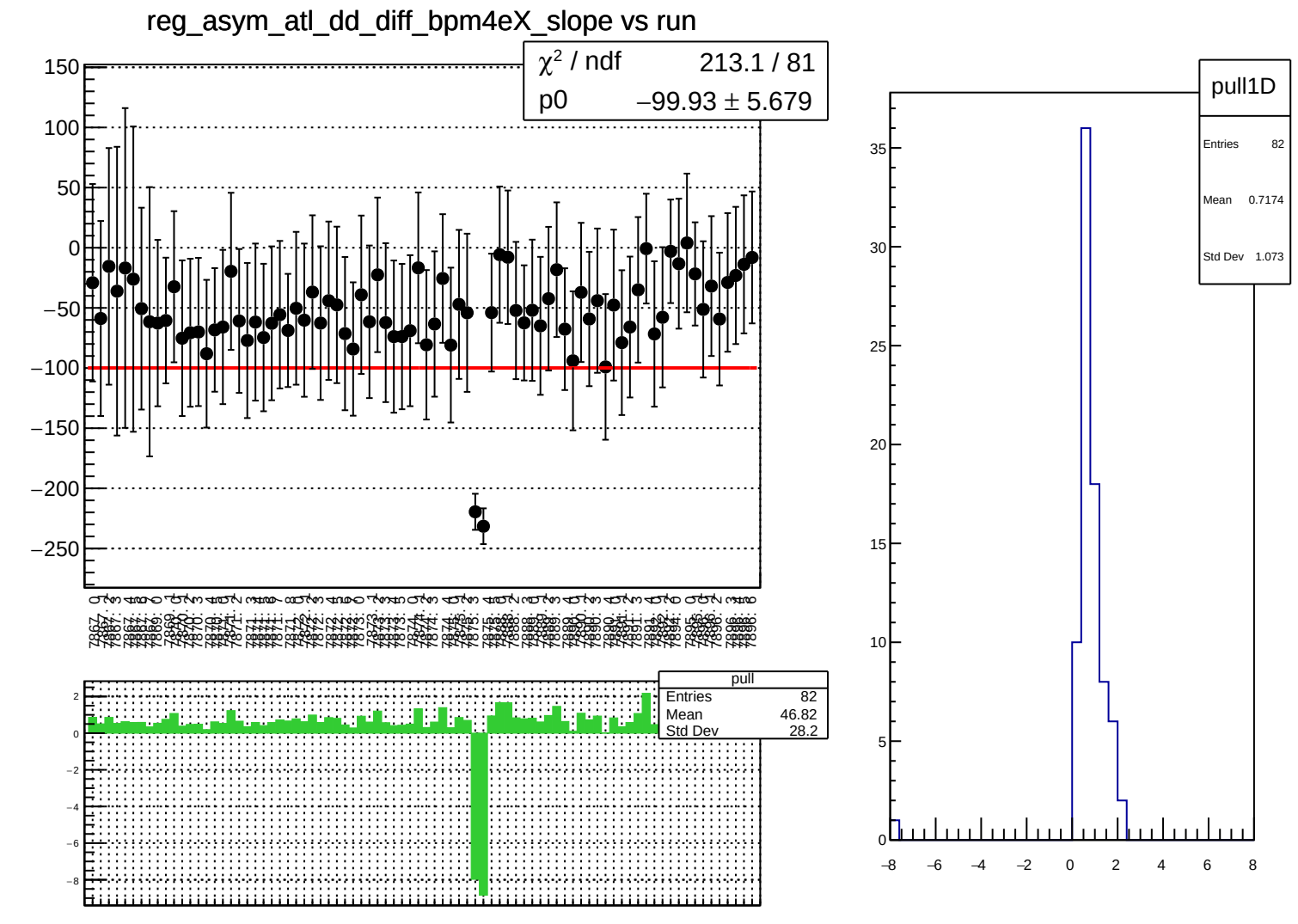

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 438.6 / 81
p0 −123.1 ± 0.2988
pull
Entries 82
Mean −7.798
Std Dev 38.93

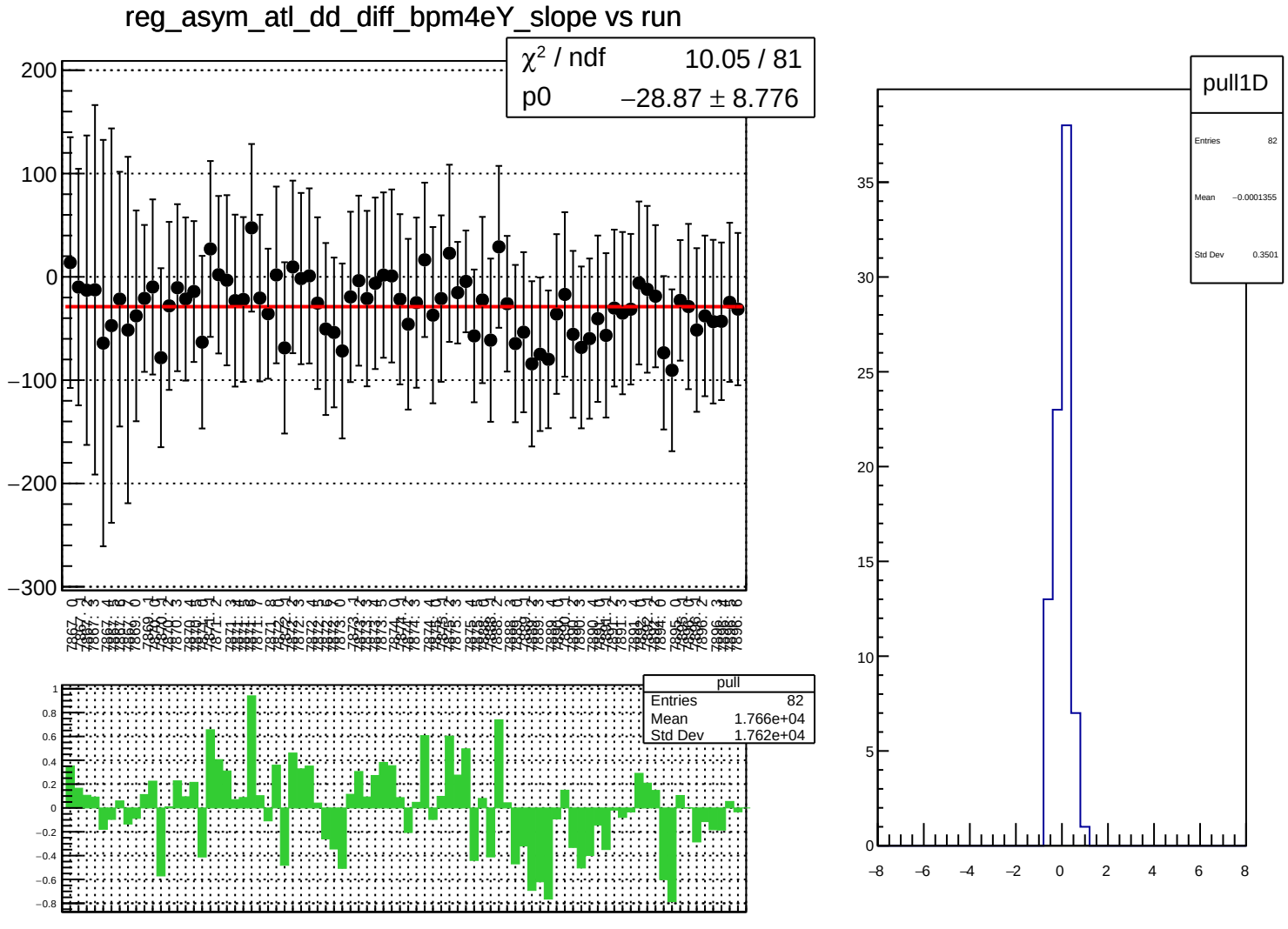

pull1D
Entries 82
Mean −0.3969
Std Dev 1.915

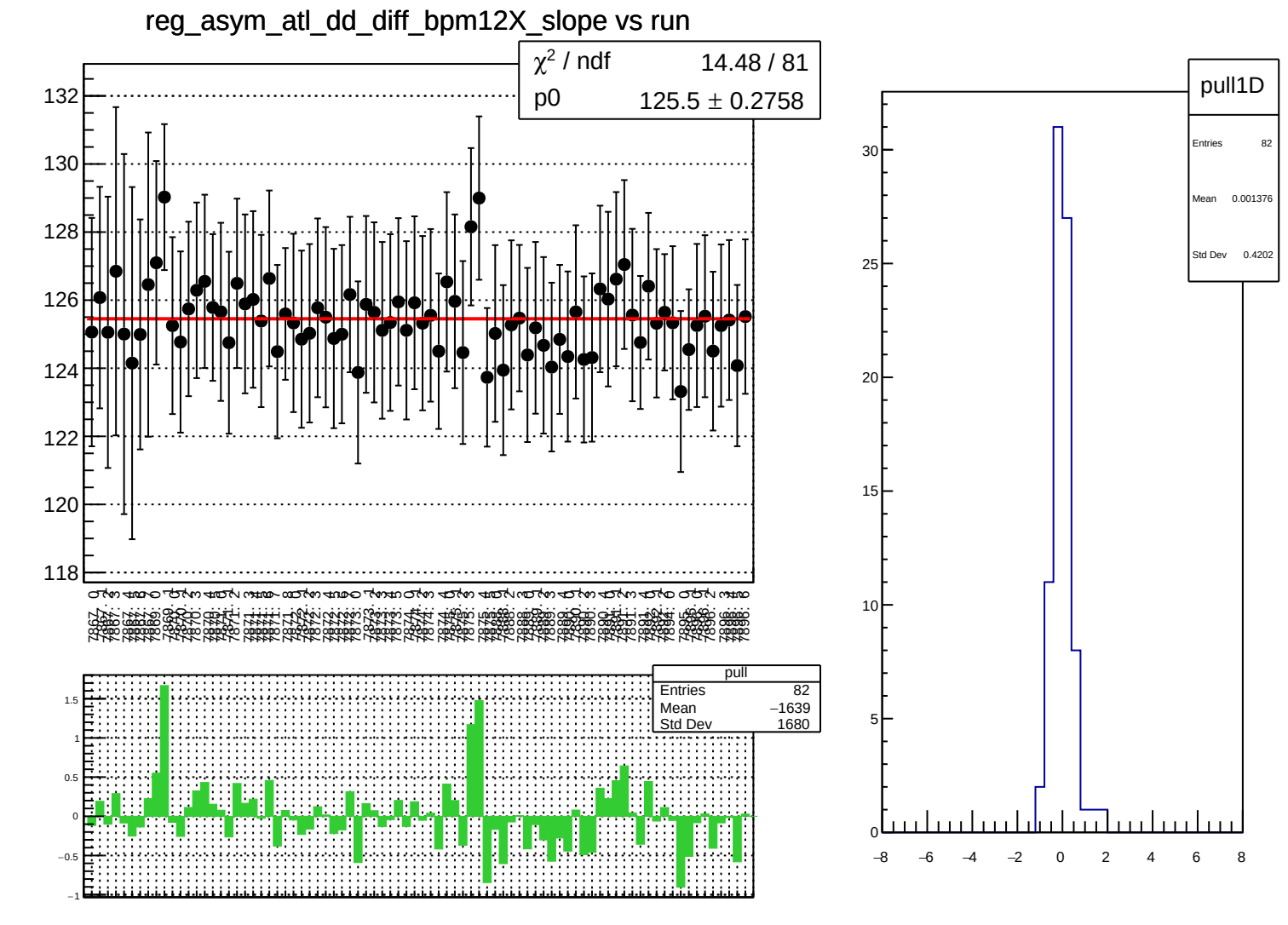

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 162.8 / 81
p0 154.9 ± 6.761
pull
Entries 82
Mean 47.65
Std Dev 28.94
pull1D
Entries 82
Mean −0.4401
Std Dev 1.339

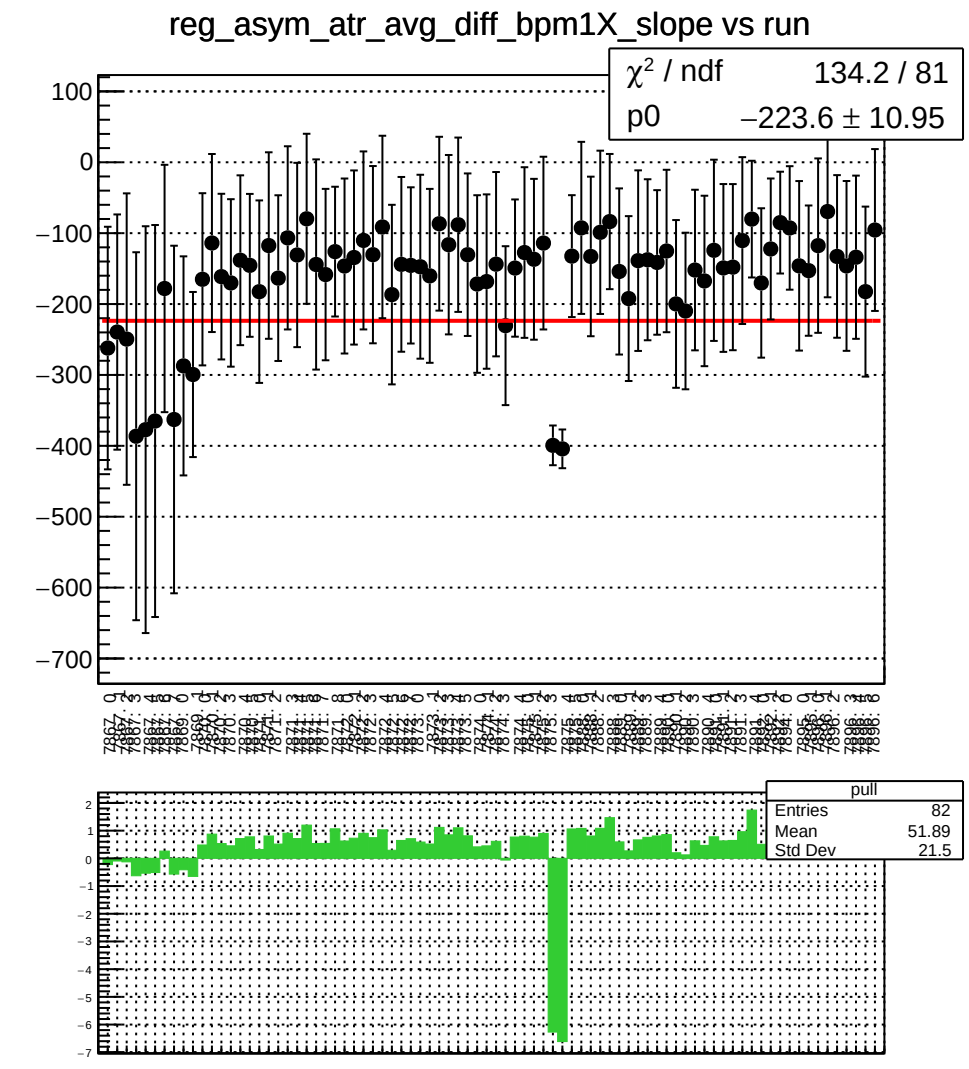

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.08 / 81
p0 −21.48 ± 7.556
pull
Entries 82
Mean 810.3
Std Dev 765.6

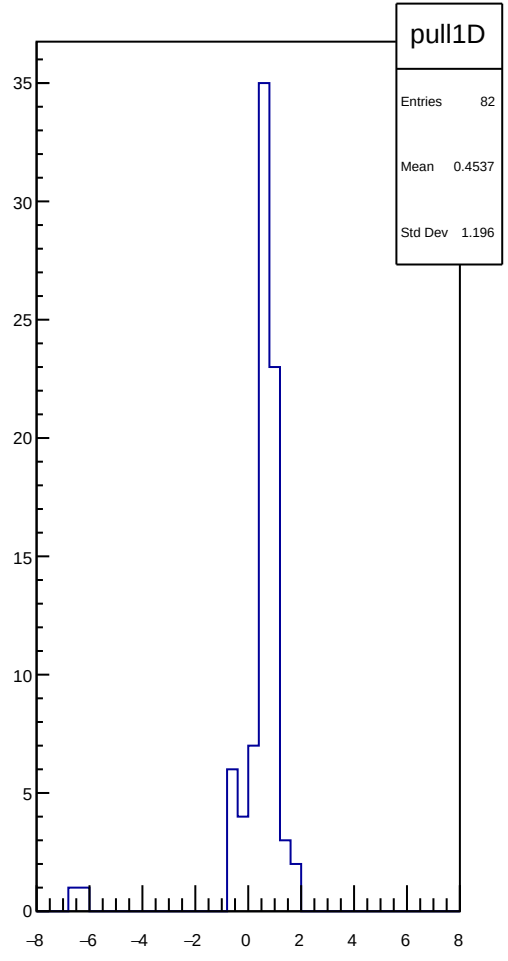

pull1D
Entries 82
Mean 0.002598
Std Dev 0.3506

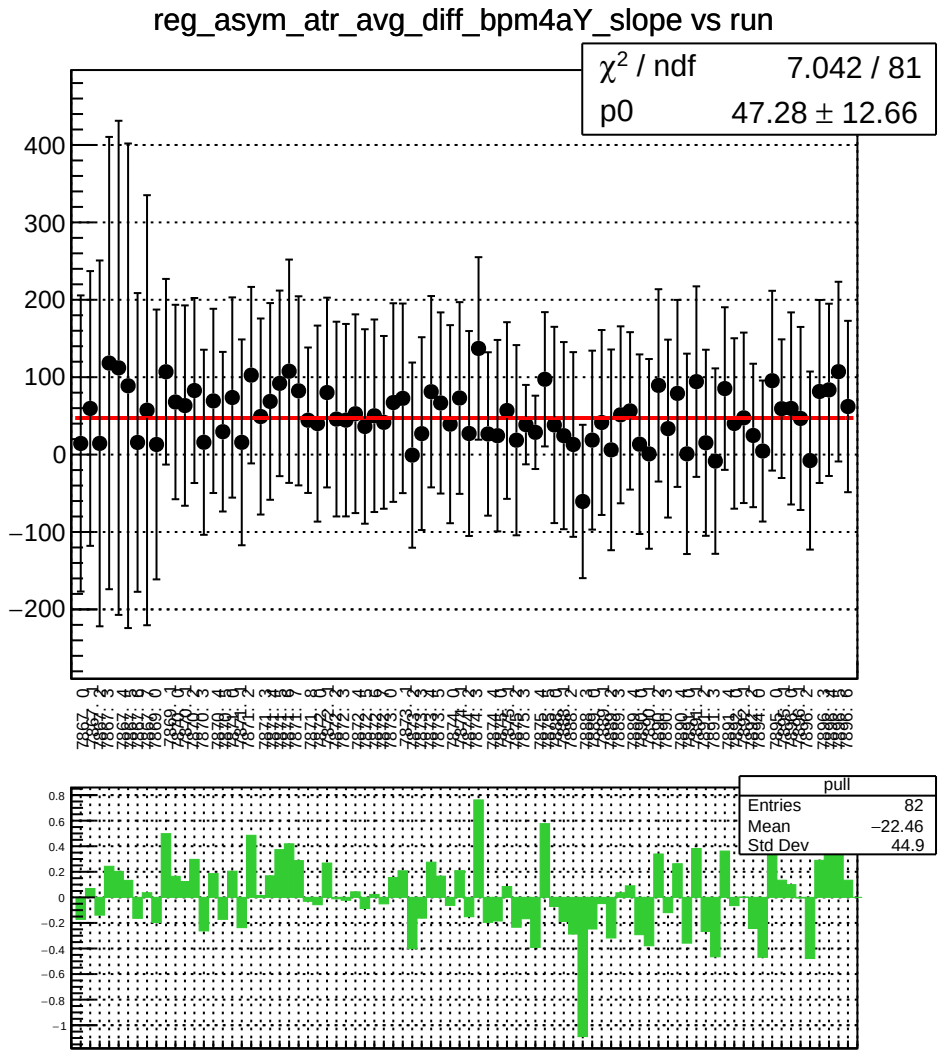

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 213.1 / 81
p0 −99.93 ± 5.679
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean 46.82
Std Dev 28.2
2
0
−2
−4
−6
−8
pull1D
Entries 82
Mean 0.7174
Std Dev 1.073
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

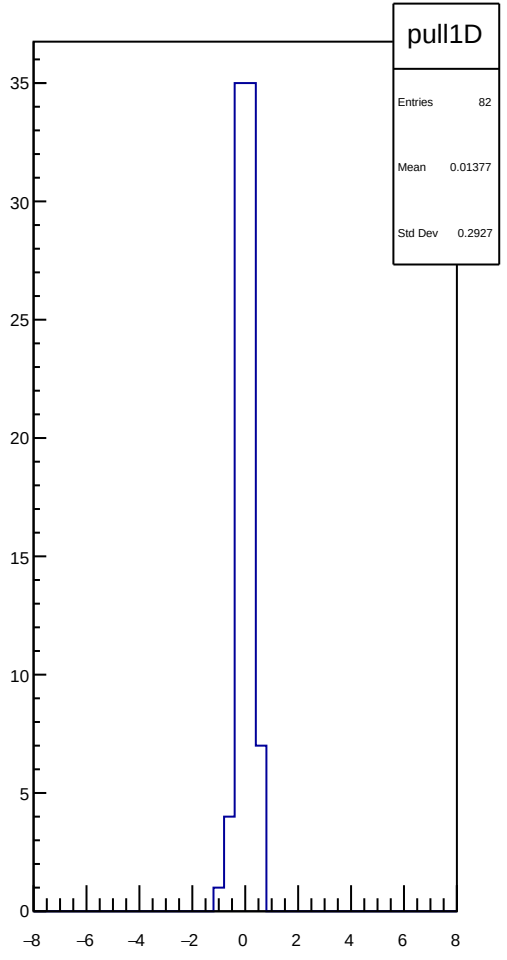

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.05 / 81
p0 −28.87 ± 8.776
pull
Entries 82
Mean 1.766e+04
Std Dev 1.762e+04
pull1D
Entries 82
Mean −0.0001355
Std Dev 0.3501

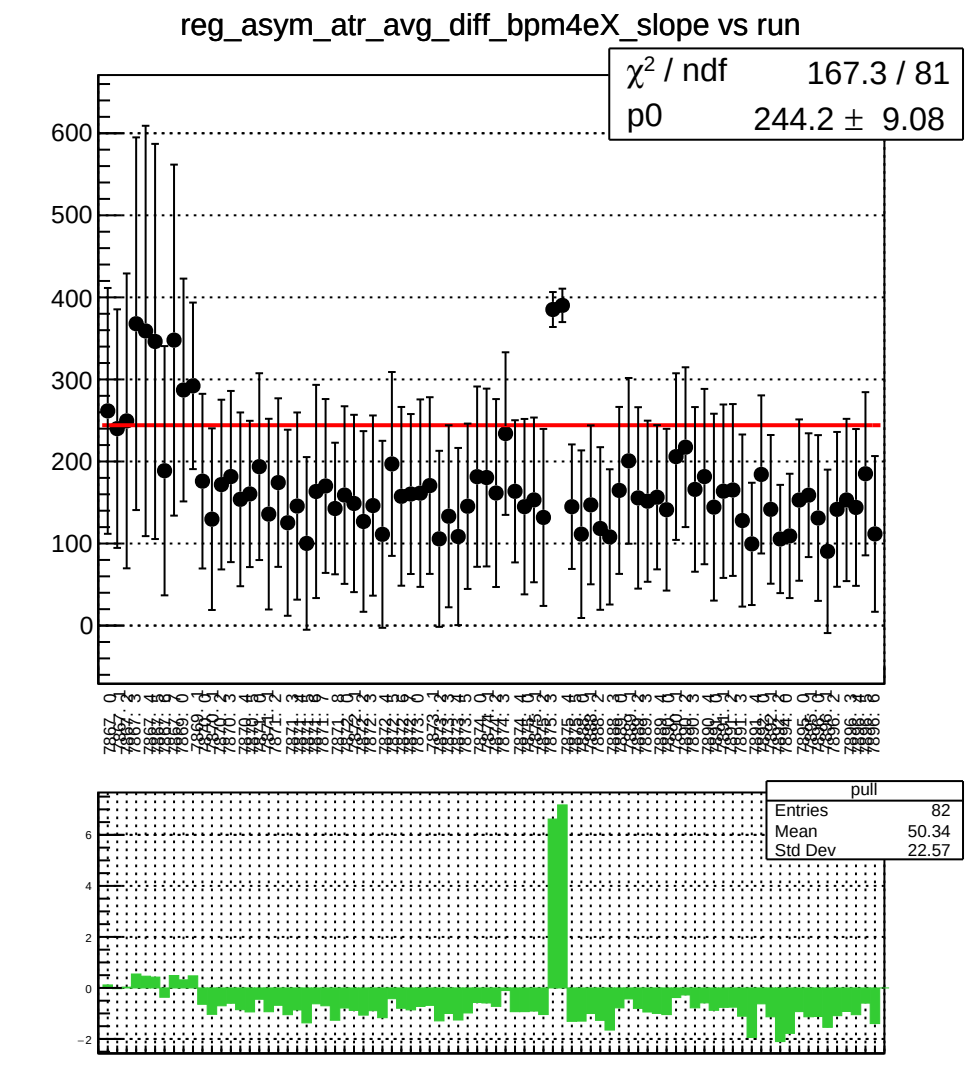

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 14.48 / 81
p0 125.5 ± 0.2758
pull
Entries 82
Mean −1639
Std Dev 1680
pull1D
Entries 82
Mean 0.001376
Std Dev 0.4202

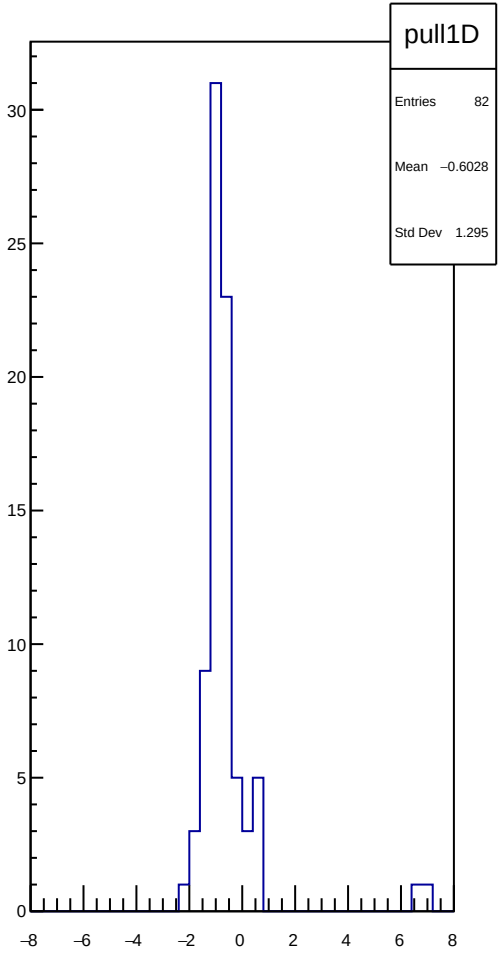

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 134.2 / 81
p0 −223.6 ± 10.95
pull
Entries 82
Mean 51.89
Std Dev 21.5

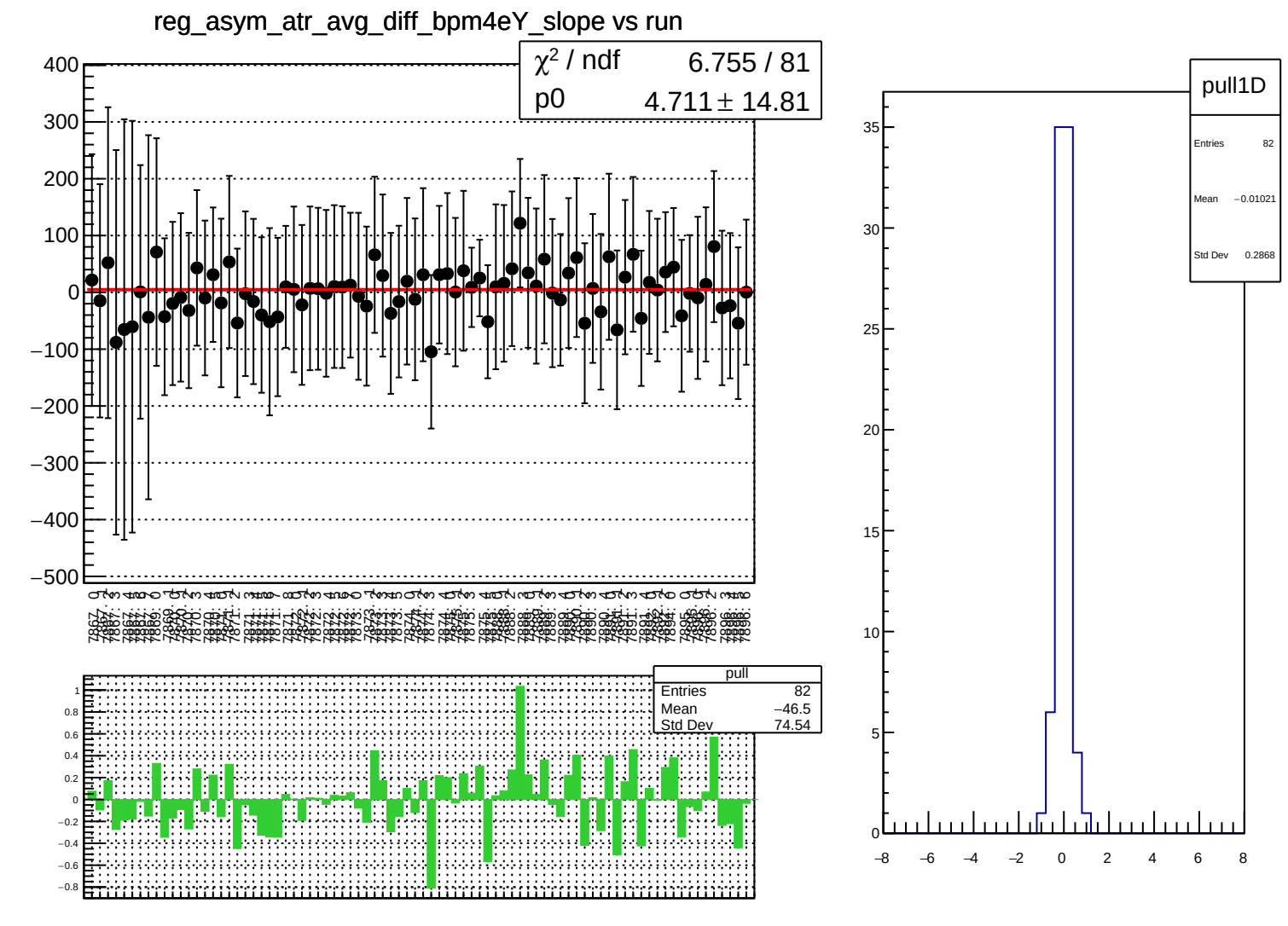

pull1D
Entries 82
Mean 0.4537
Std Dev 1.196

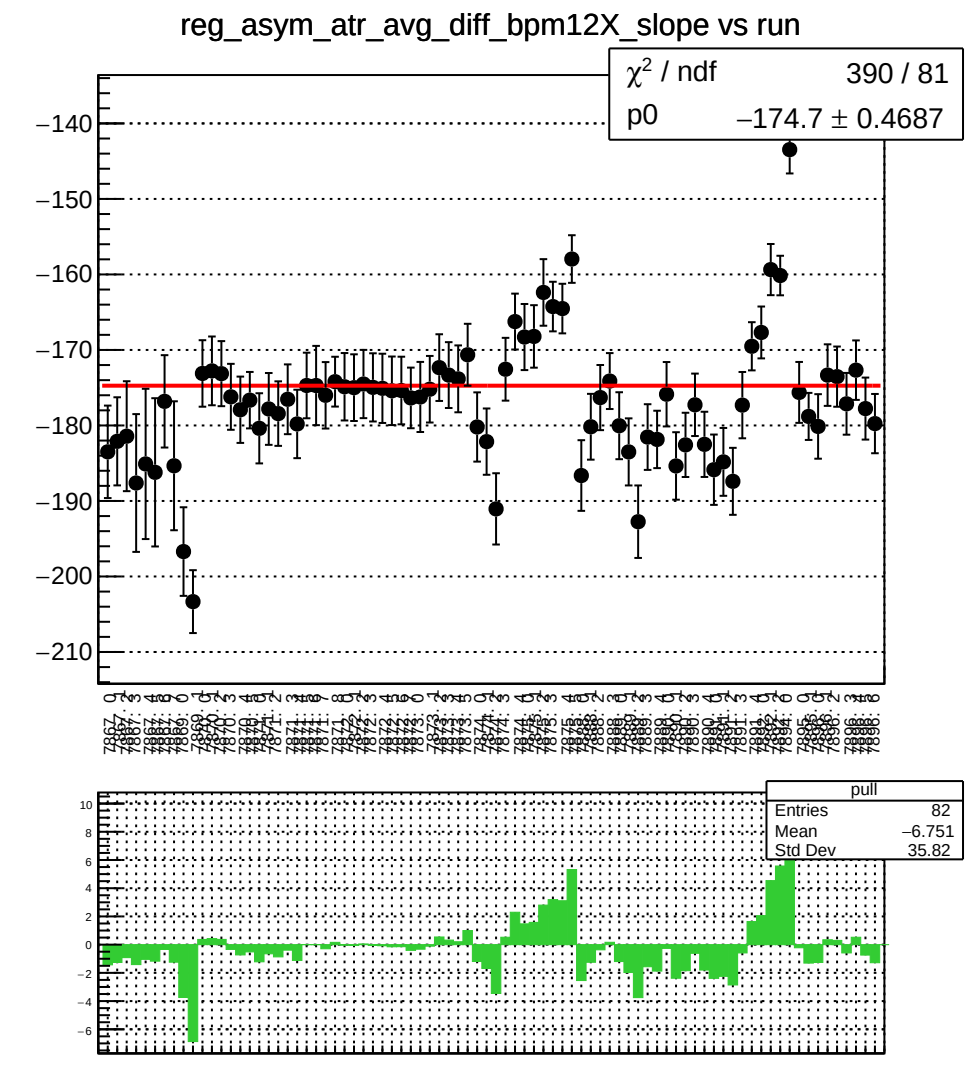

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.042 / 81
p0 47.28 ± 12.66
pull
Entries 82
Mean −22.46
Std Dev 44.9

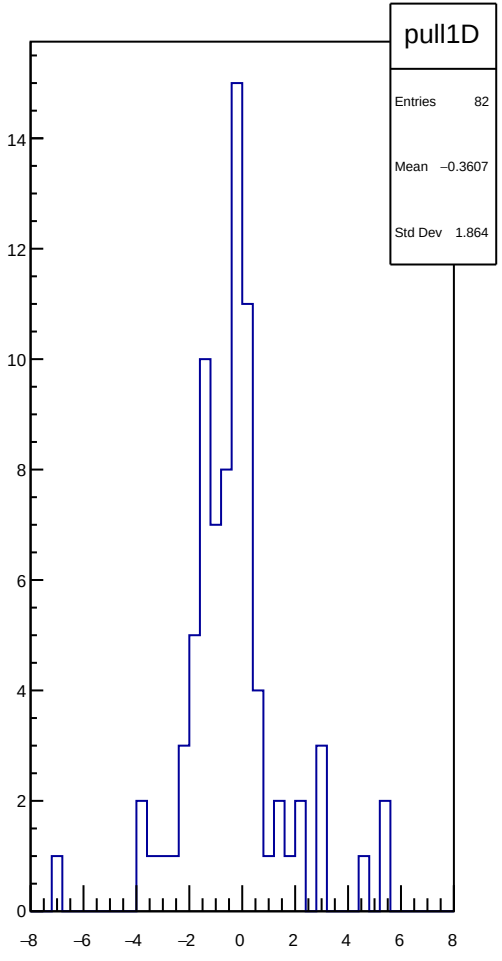

pull1D
Entries 82
Mean 0.01377
Std Dev 0.2927

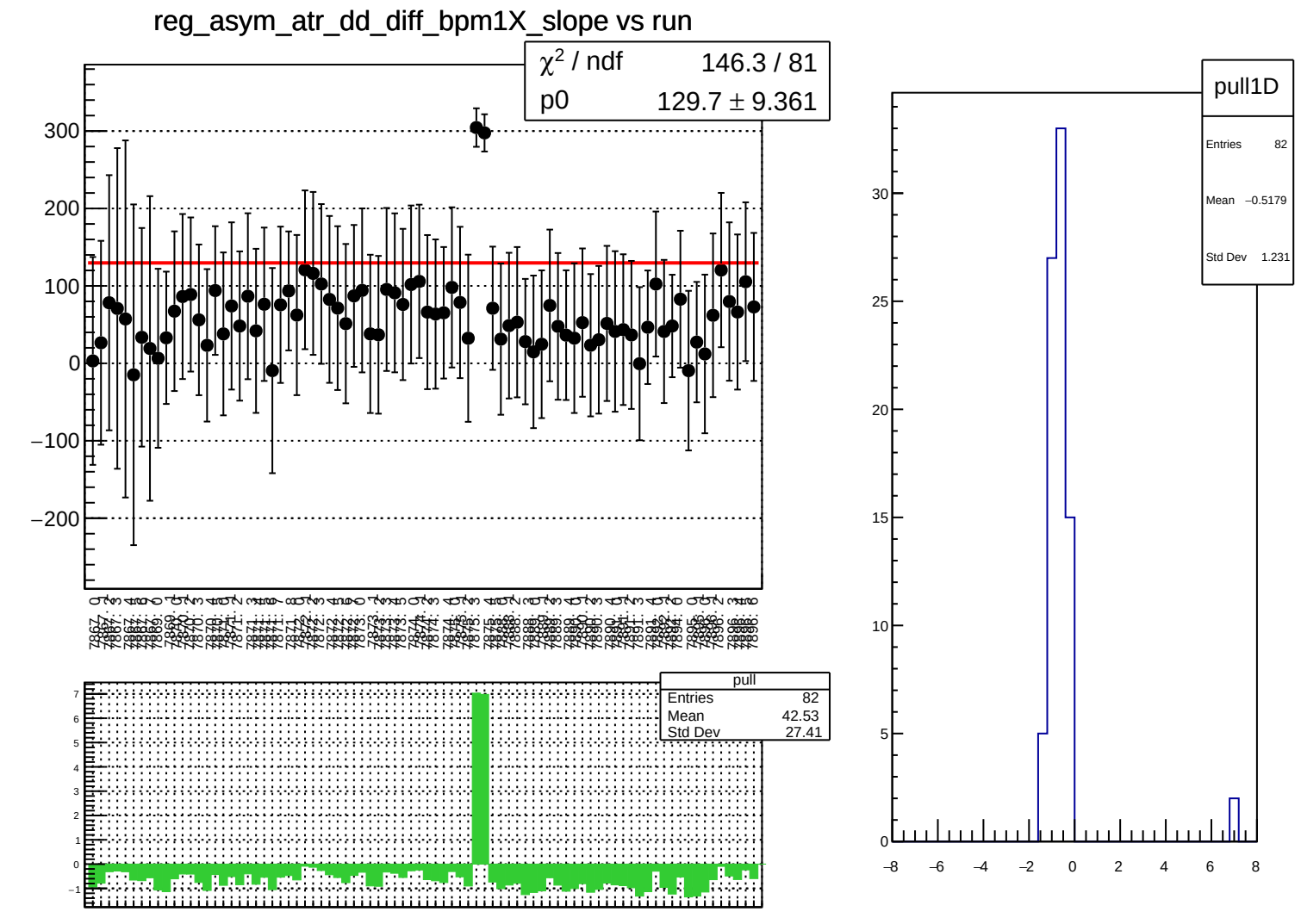

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 167.3 / 81
p0 244.2 ± 9.08
pull
Entries 82
Mean 50.34
Std Dev 22.57

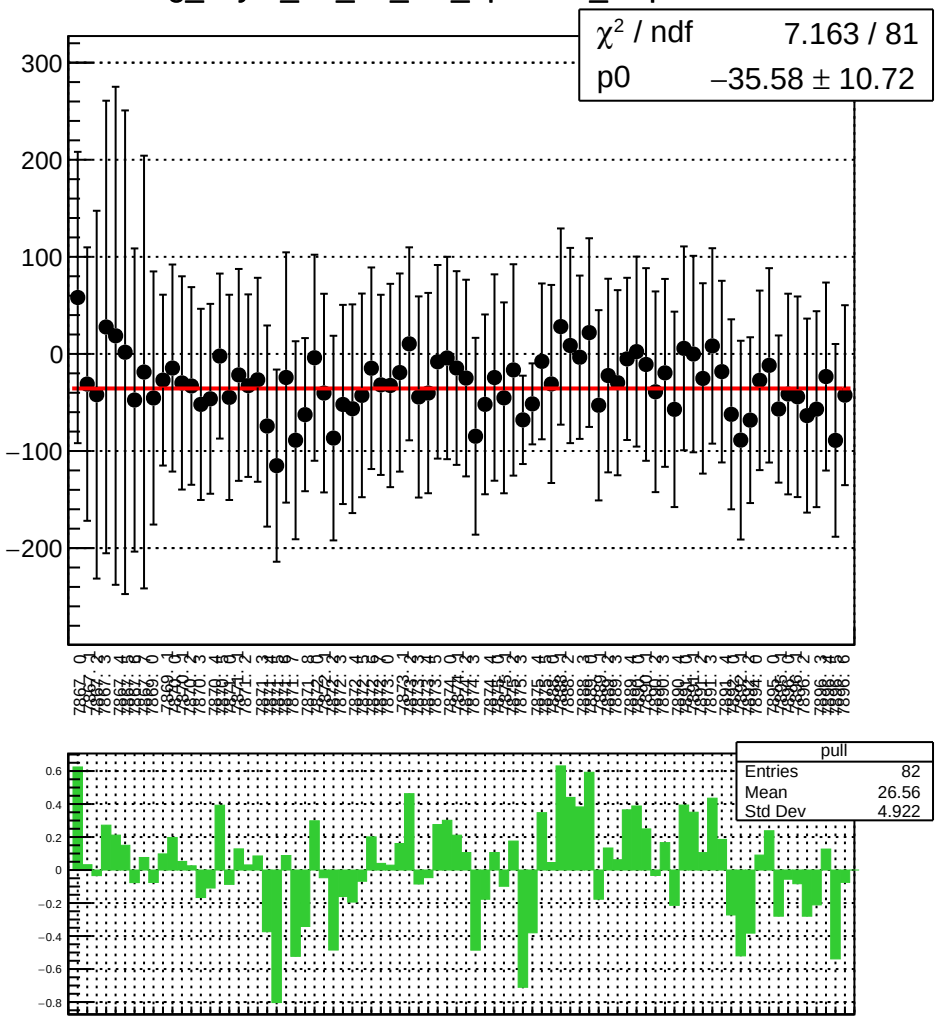

pull1D
Entries 82
Mean −0.6028
Std Dev 1.295

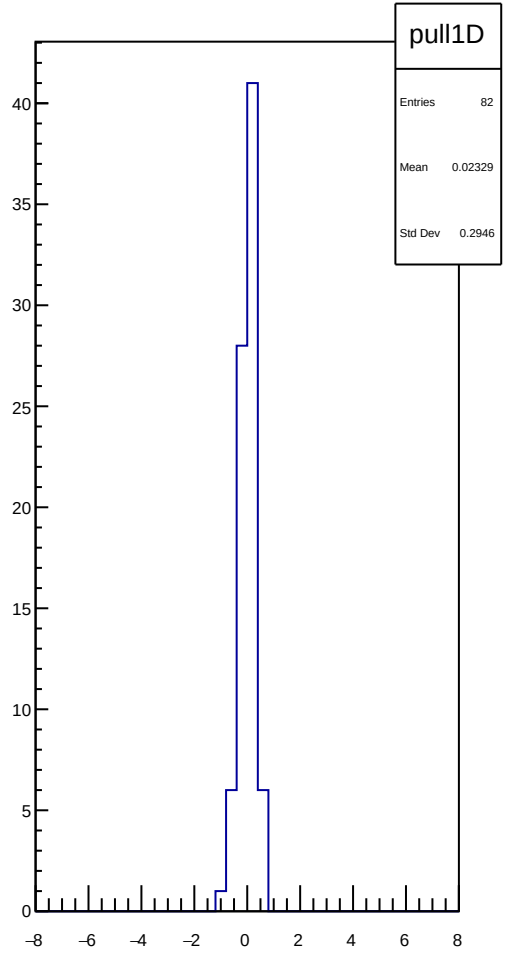

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.755 / 81
p0 4.711 ± 14.81
pull
Entries 82
Mean −46.5
Std Dev 74.54
pull1D
Entries 82
Mean −0.01021
Std Dev 0.2868

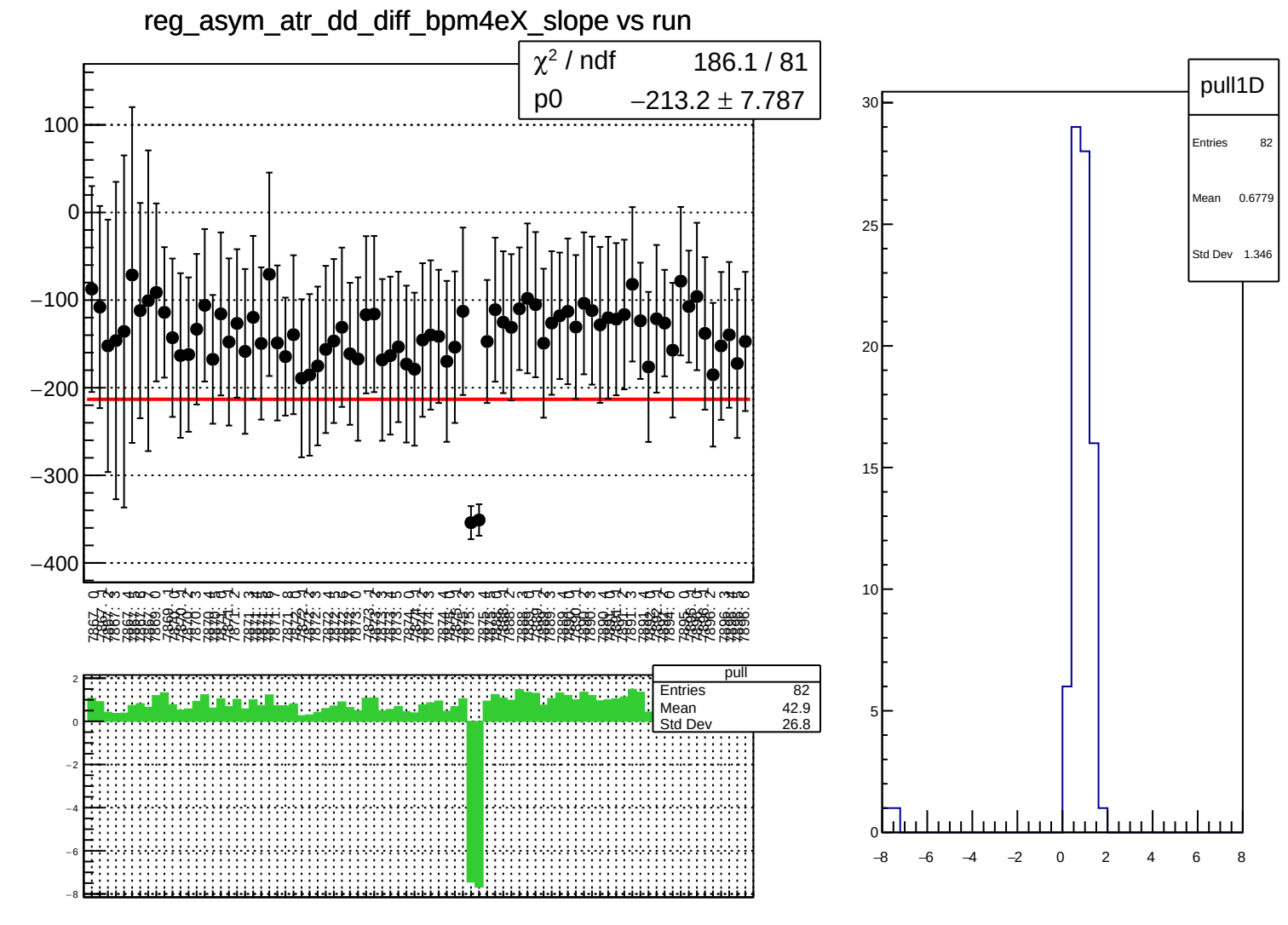

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 390 / 81
p0 −174.7 ± 0.4687
pull
Entries 82
Mean −6.751
Std Dev 35.82

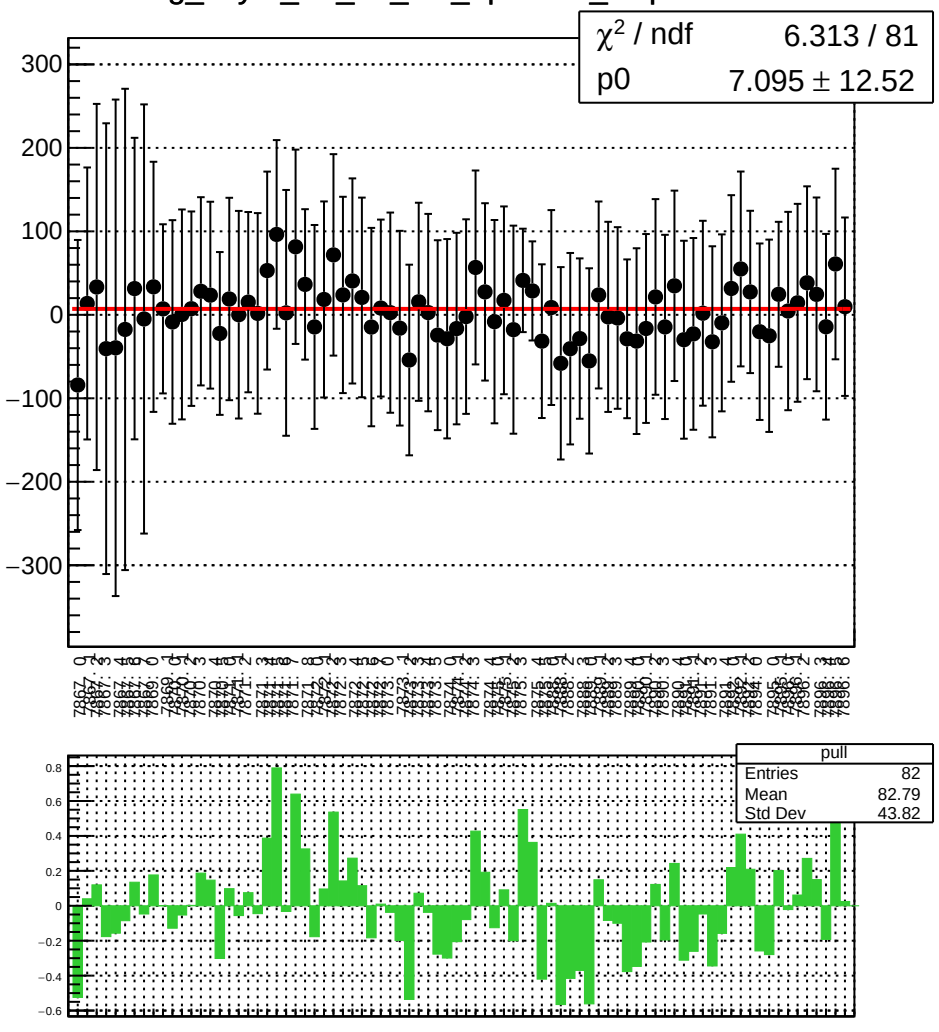

pull1D
Entries 82
Mean −0.3607
Std Dev 1.864

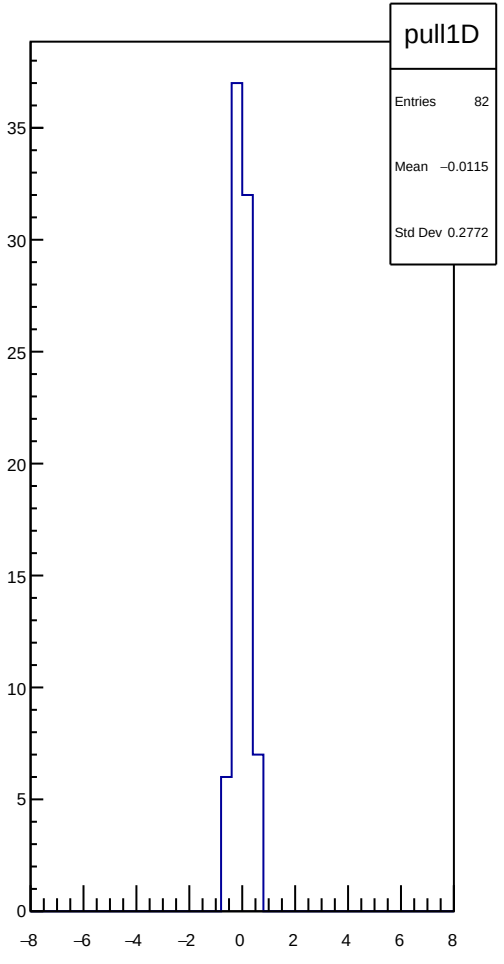

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 146.3 / 81
p0 129.7 ± 9.361
300
200
100
0
−100
−200
pull
Entries 82
Mean 42.53
Std Dev 27.41
pull1D
Entries 82
Mean −0.5179
Std Dev 1.231
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

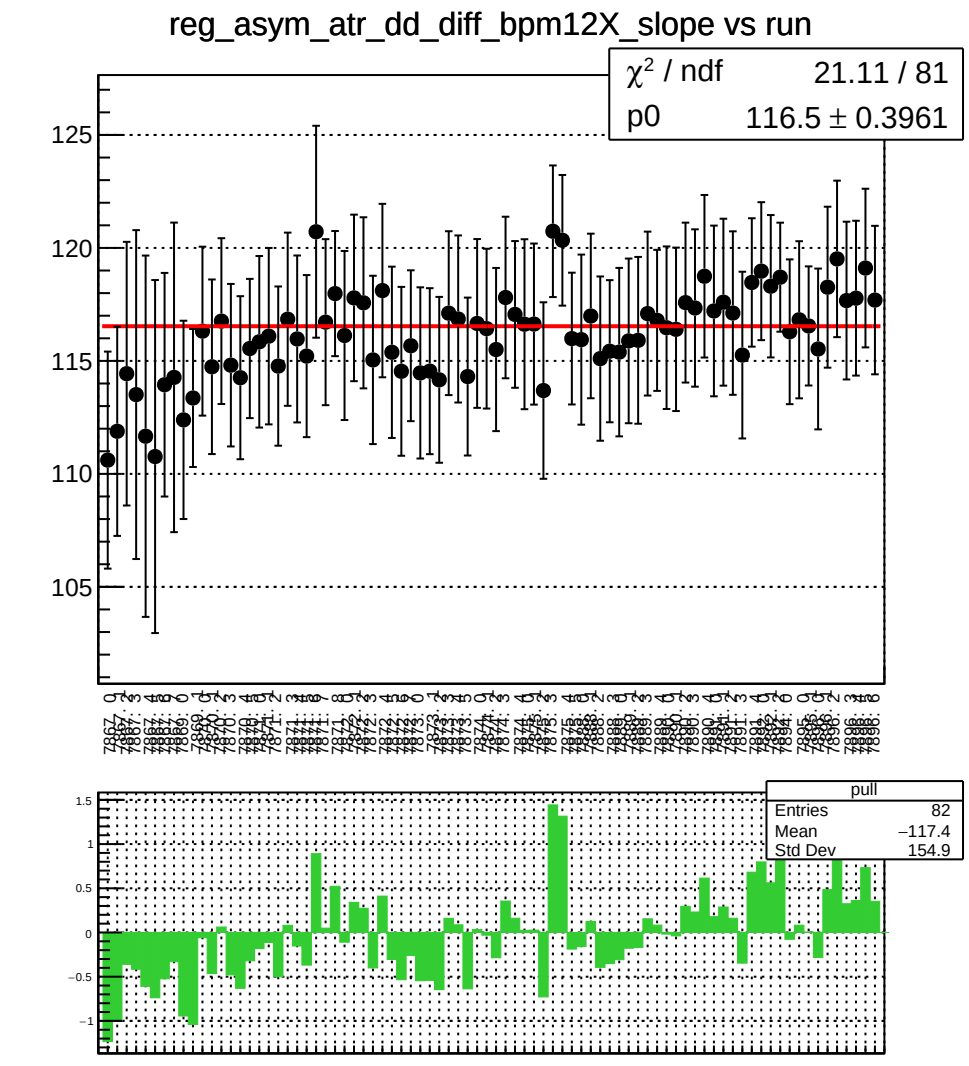

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.163 / 81
p0 −35.58 ± 10.72
pull
Entries 82
Mean 26.56
Std Dev 4.922

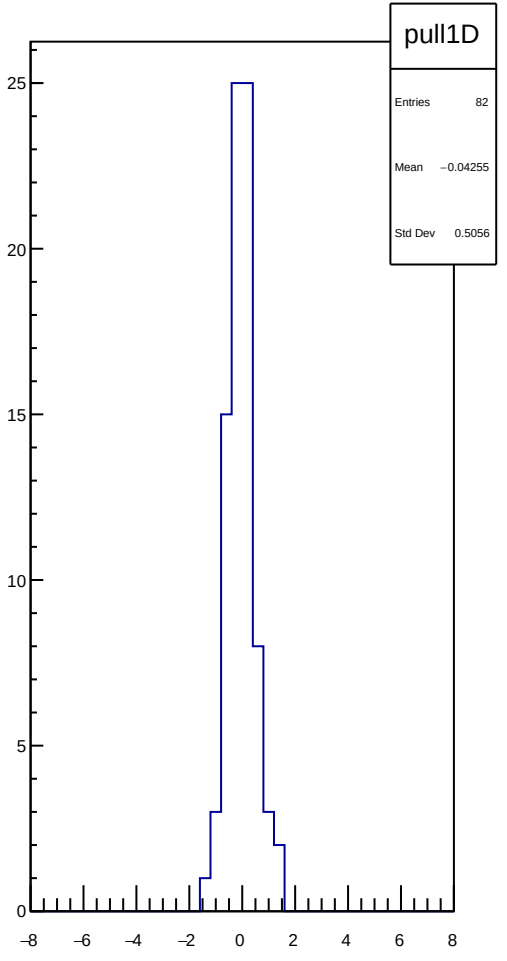

pull1D
Entries 82
Mean 0.02329
Std Dev 0.2946

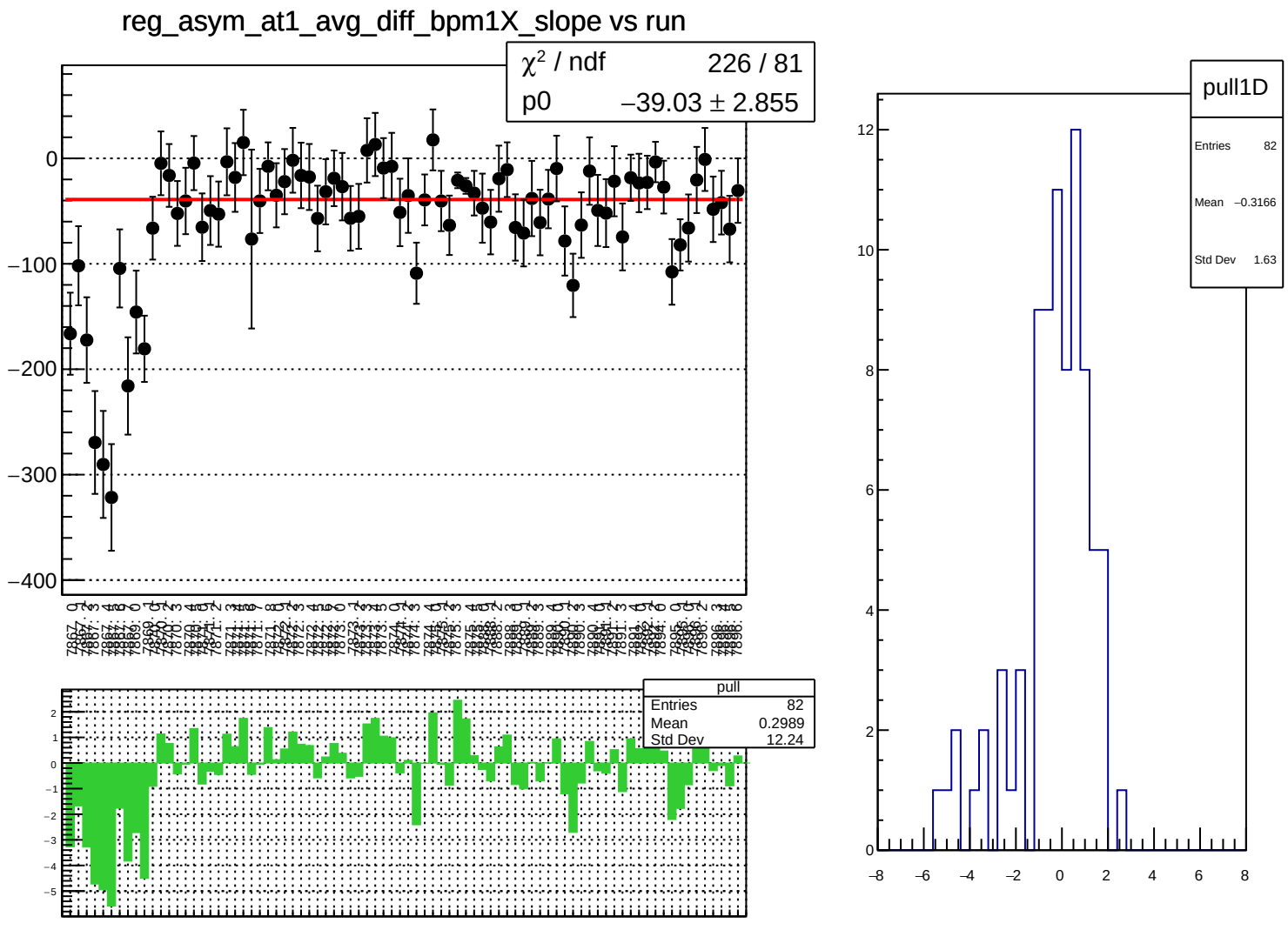

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 186.1 / 81
p0 −213.2 ± 7.787
pull
Entries 82
Mean 42.9
Std Dev 26.8
pull1D
Entries 82
Mean 0.6779
Std Dev 1.346

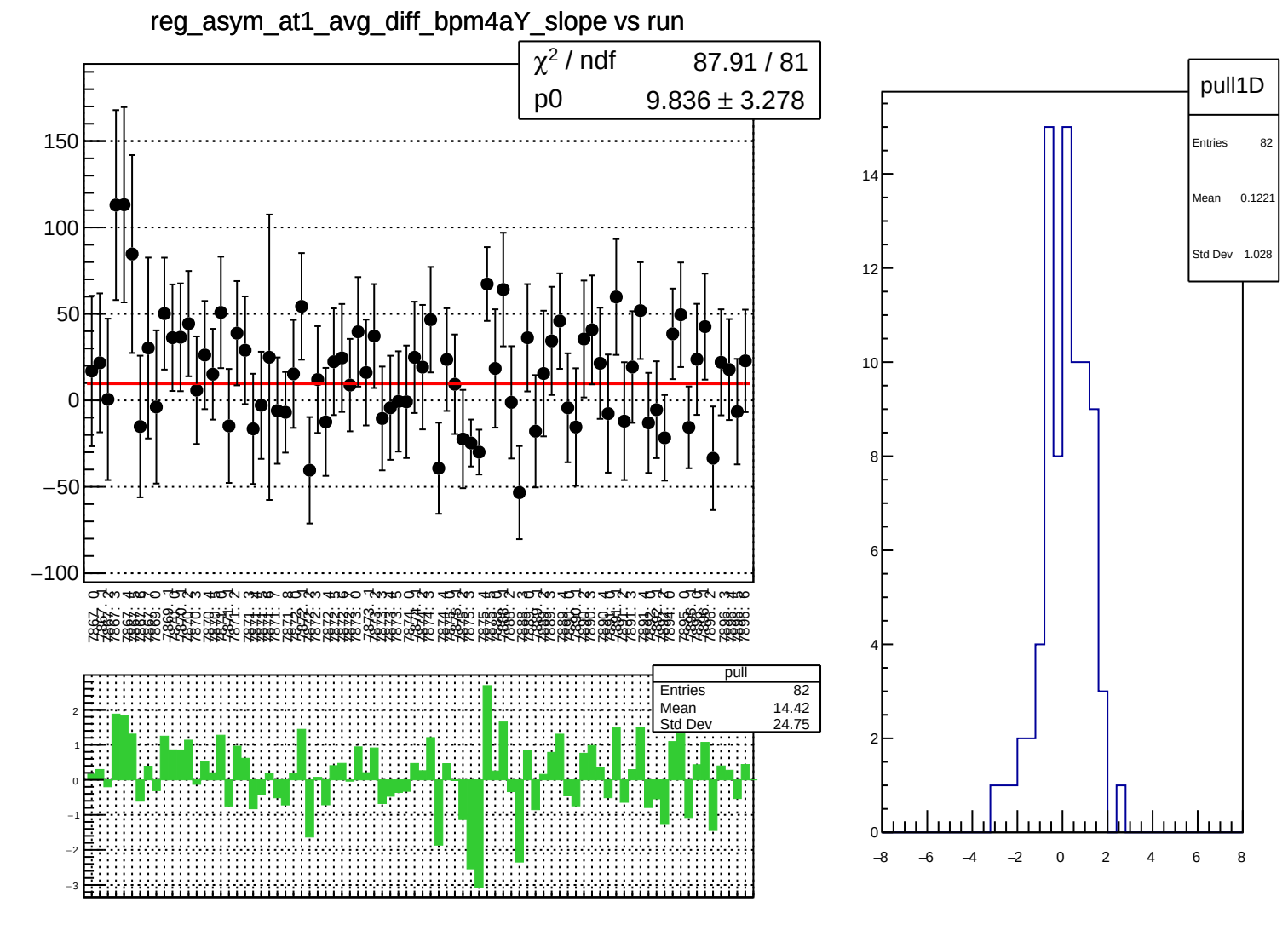

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.313 / 81
p0 7.095 ± 12.52
pull
Entries 82
Mean 82.79
Std Dev 43.82

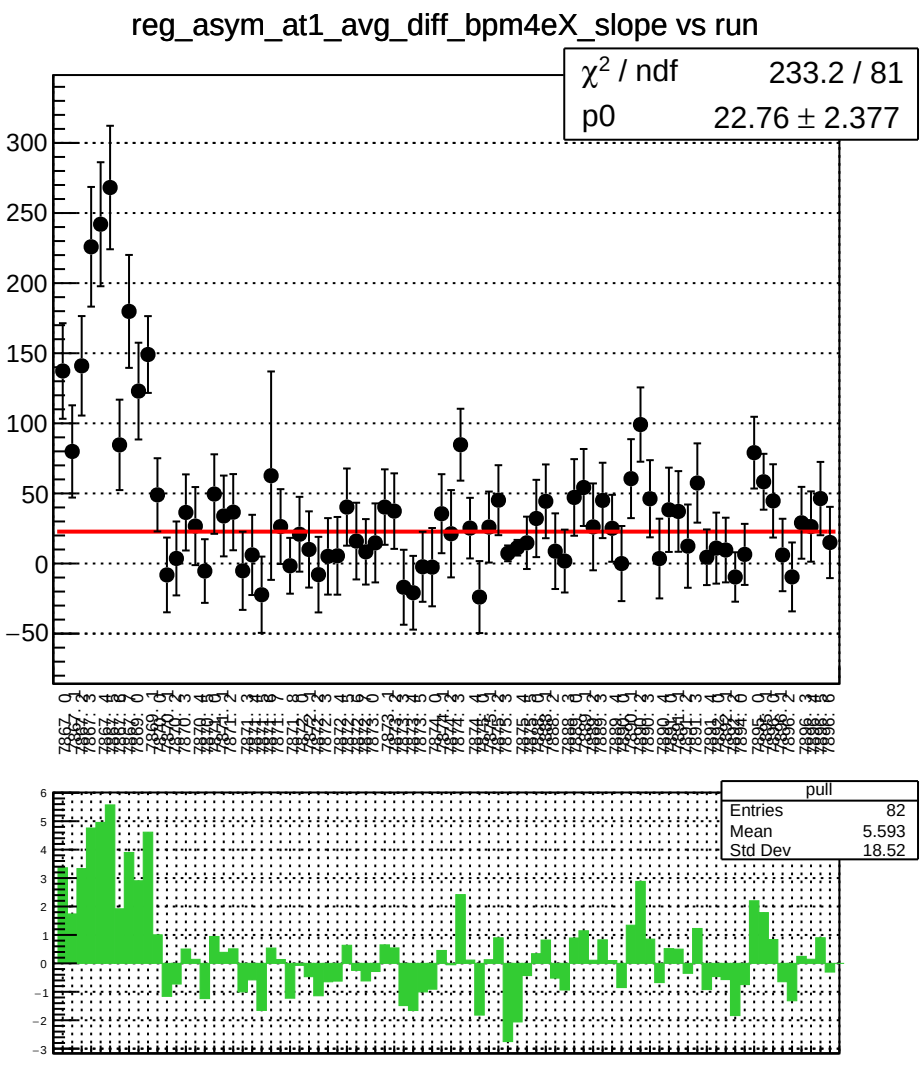

pull1D
Entries 82
Mean −0.0115
Std Dev 0.2772

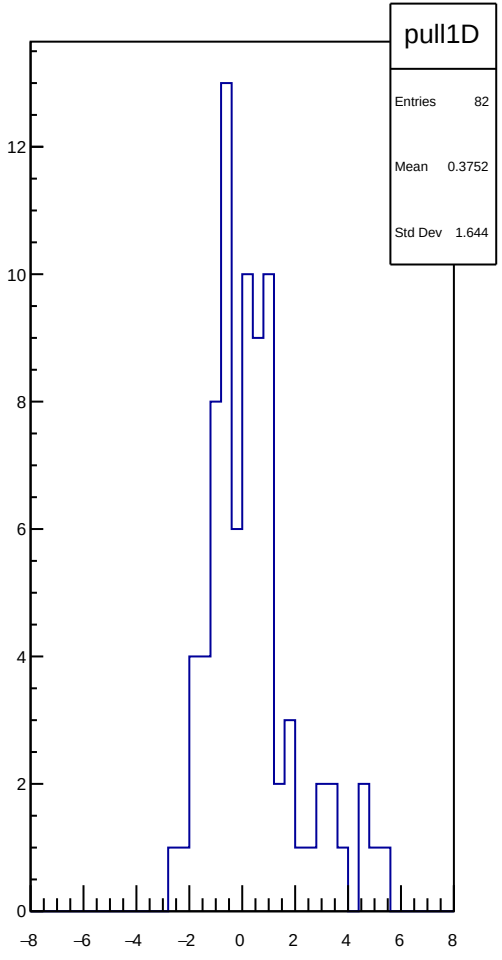

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 21.11 / 81
p0 116.5 ± 0.3961
125
120
115
110
105
pull
Entries 82
Mean −117.4
Std Dev 154.9
1.5
1
0.5
0
−0.5
−1

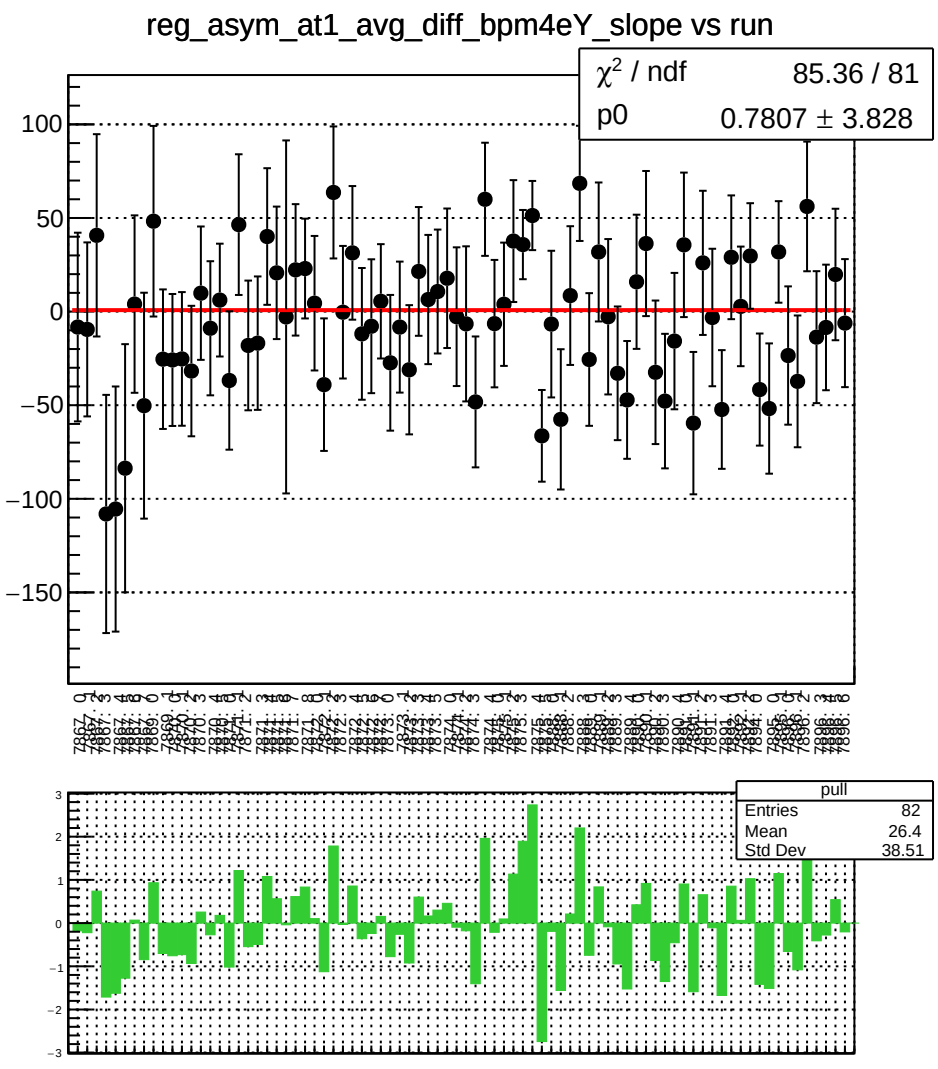

pull1D
Entries 82
Mean −0.04255
Std Dev 0.5056
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

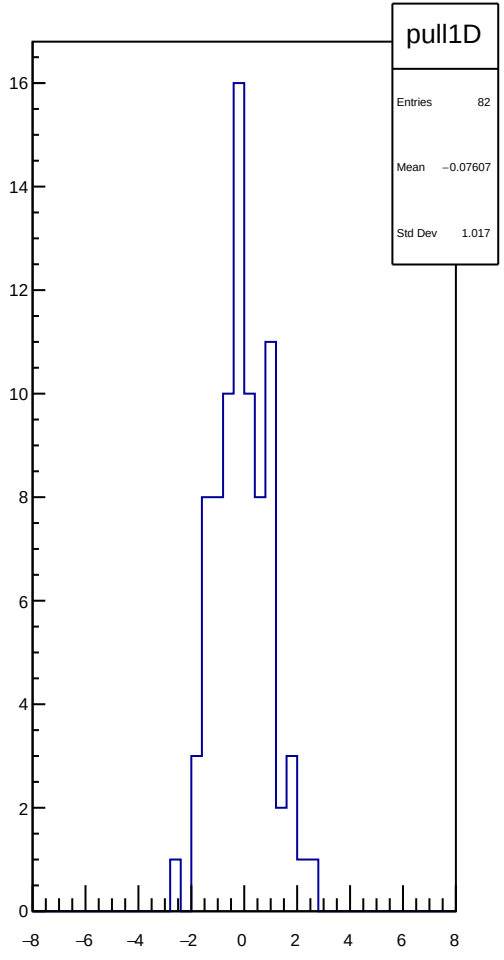

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 226 / 81
p0 −39.03 ± 2.855
pull
Entries 82
Mean 0.2989
Std Dev 12.24
pull1D
Entries 82
Mean −0.3166
Std Dev 1.63

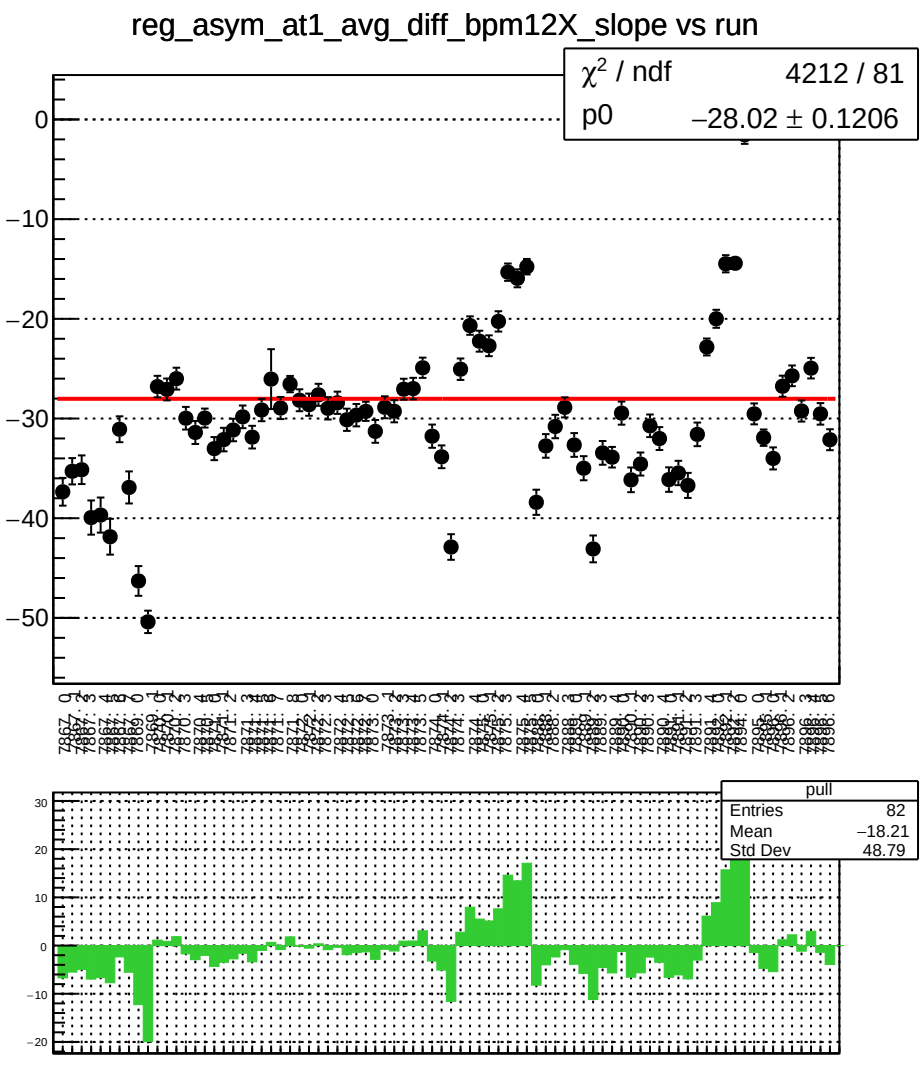

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.91 / 81
p0 9.836 ± 3.278
150
100
50
0
−50
−100
pull
Entries 82
Mean 14.42
Std Dev 24.75
pull1D
Entries 82
Mean 0.1221
Std Dev 1.028

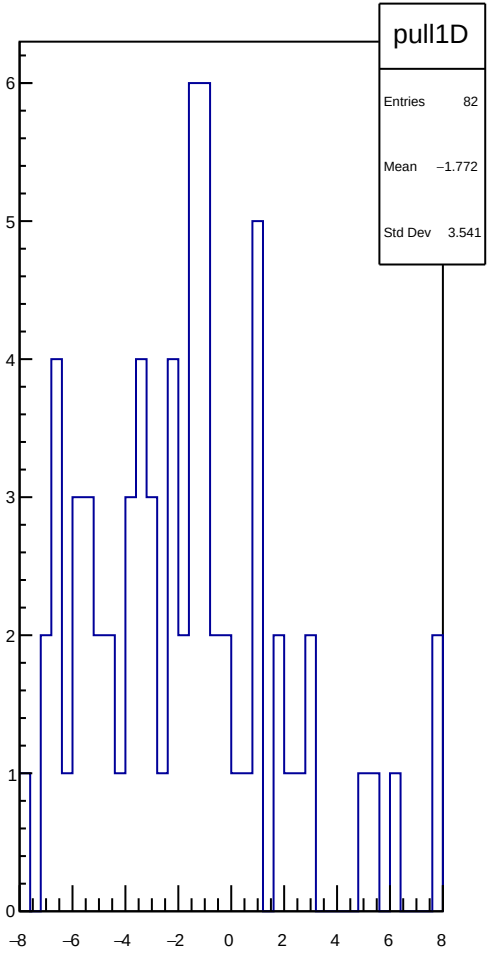

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 233.2 / 81
p0 22.76 ± 2.377
pull
Entries 82
Mean 5.593
Std Dev 18.52

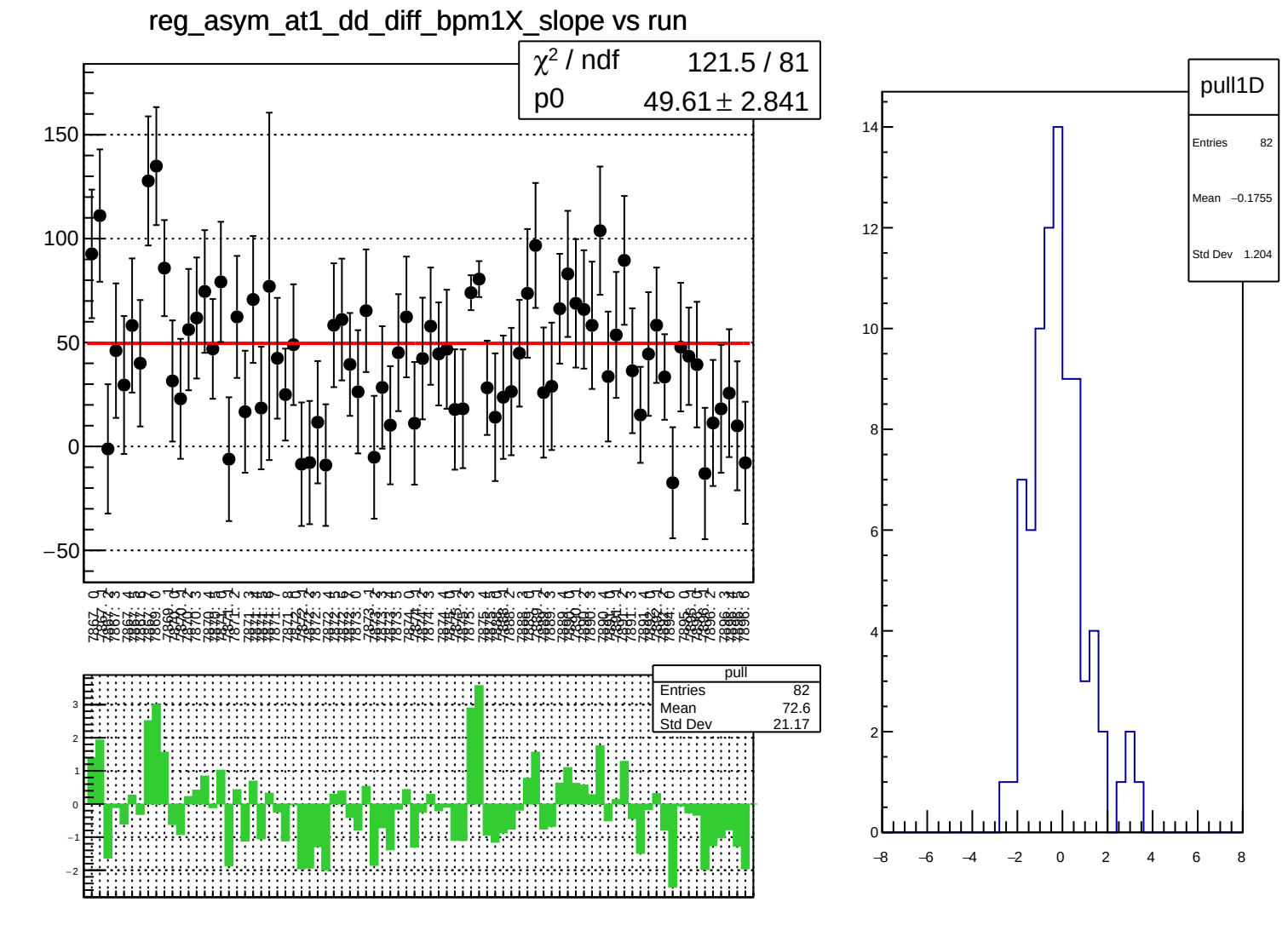

pull1D
Entries 82
Mean 0.3752
Std Dev 1.644

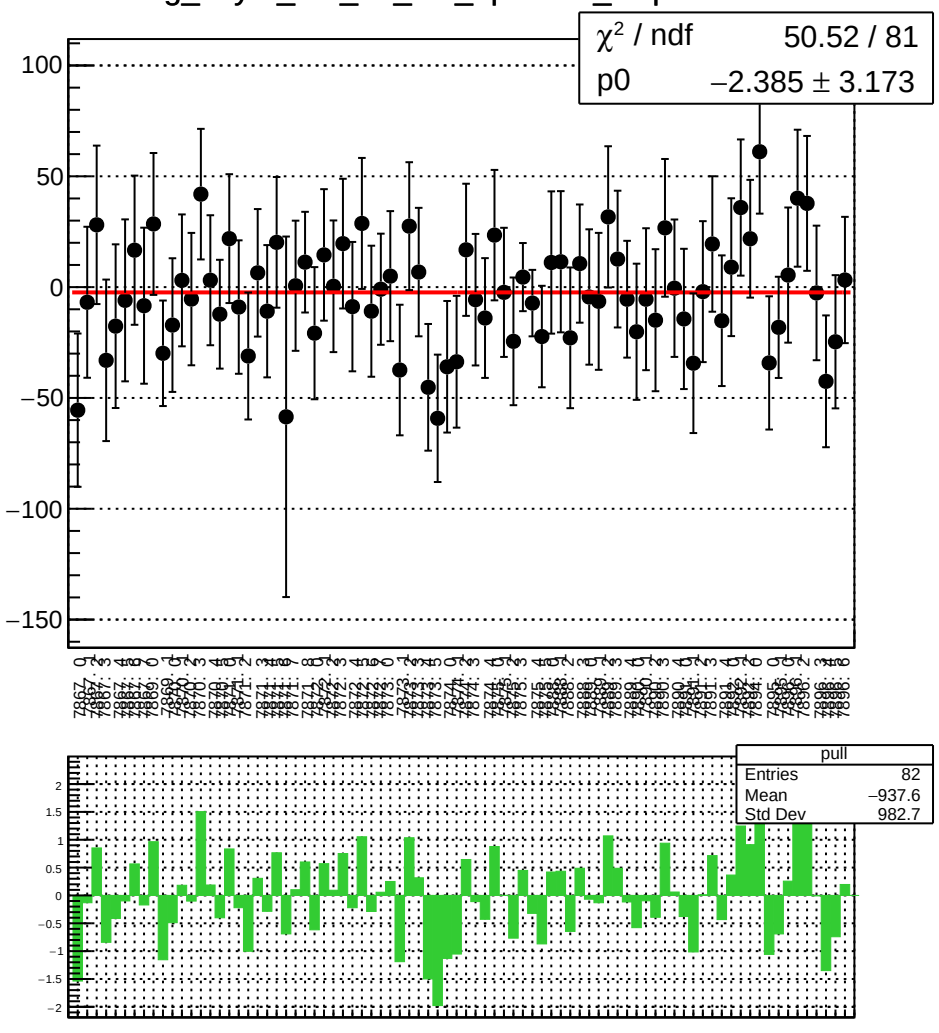

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 85.36 / 81
p0 0.7807 ± 3.828
pull
Entries 82
Mean 26.4
Std Dev 38.51

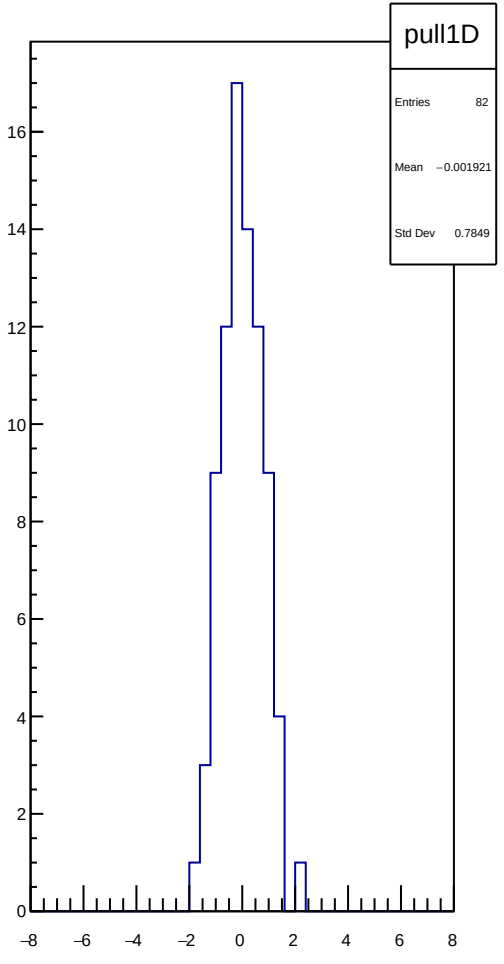

pull1D
Entries 82
Mean −0.07607
Std Dev 1.017

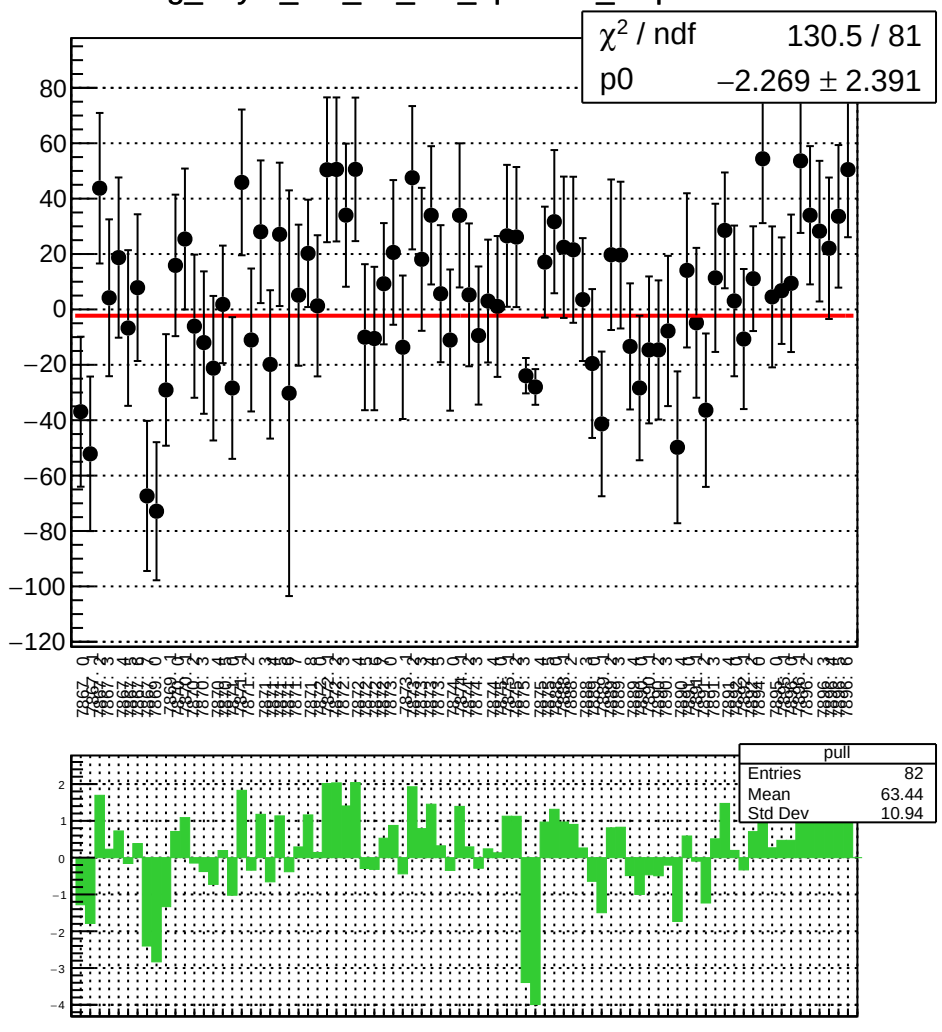

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 4212 / 81
p0 −28.02 ± 0.1206
pull
Entries 82
Mean −18.21
Std Dev 48.79

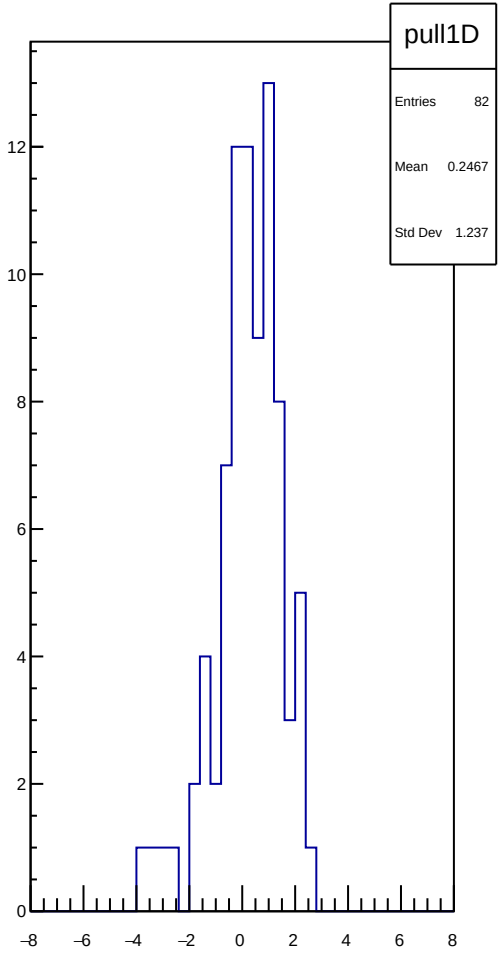

pull1D
Entries 82
Mean −1.772
Std Dev 3.541

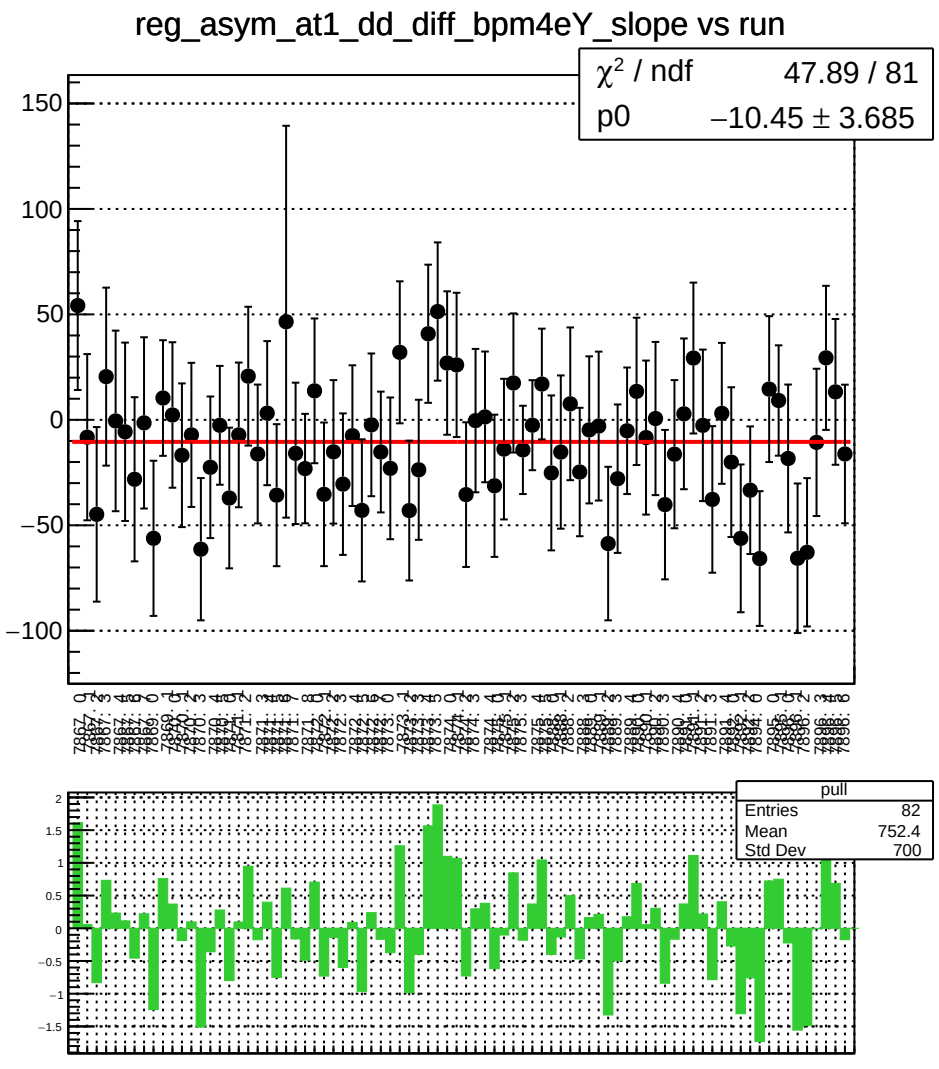

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 121.5 / 81
p0 49.61 ± 2.841
150
100
50
0
−50
pull
Entries 82
Mean 72.6
Std Dev 21.17
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.1755
Std Dev 1.204
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

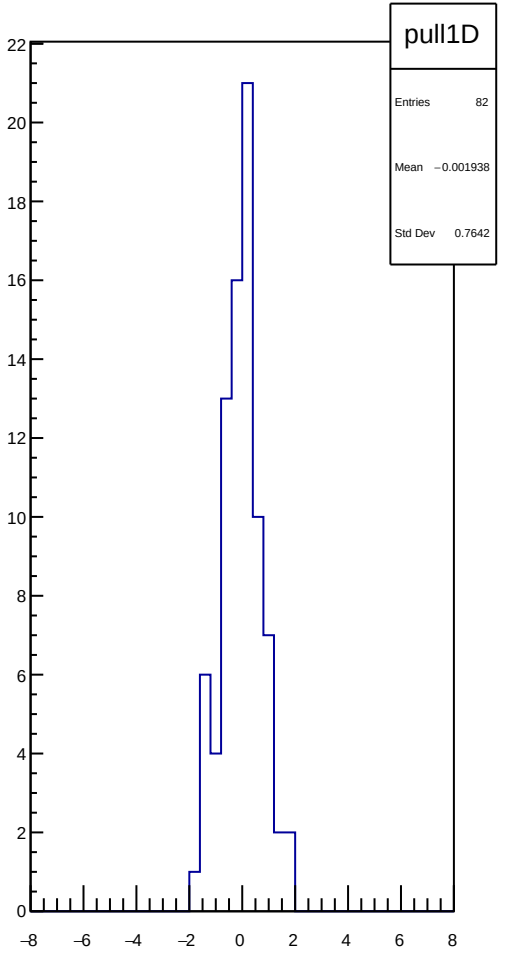

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.52 / 81
p0 −2.385 ± 3.173
pull
Entries 82
Mean −937.6
Std Dev 982.7

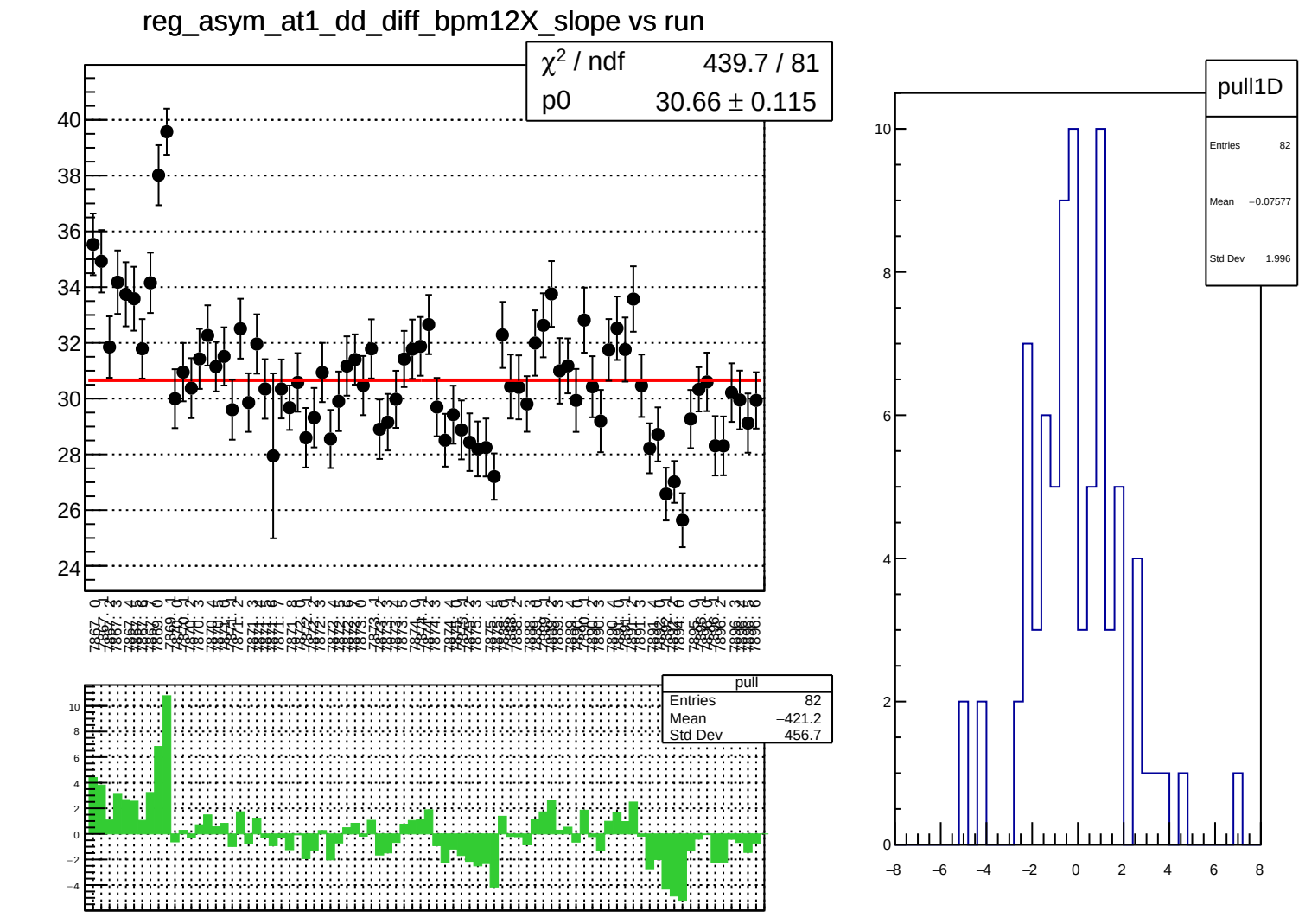

pull1D
Entries 82
Mean −0.001921
Std Dev 0.7849

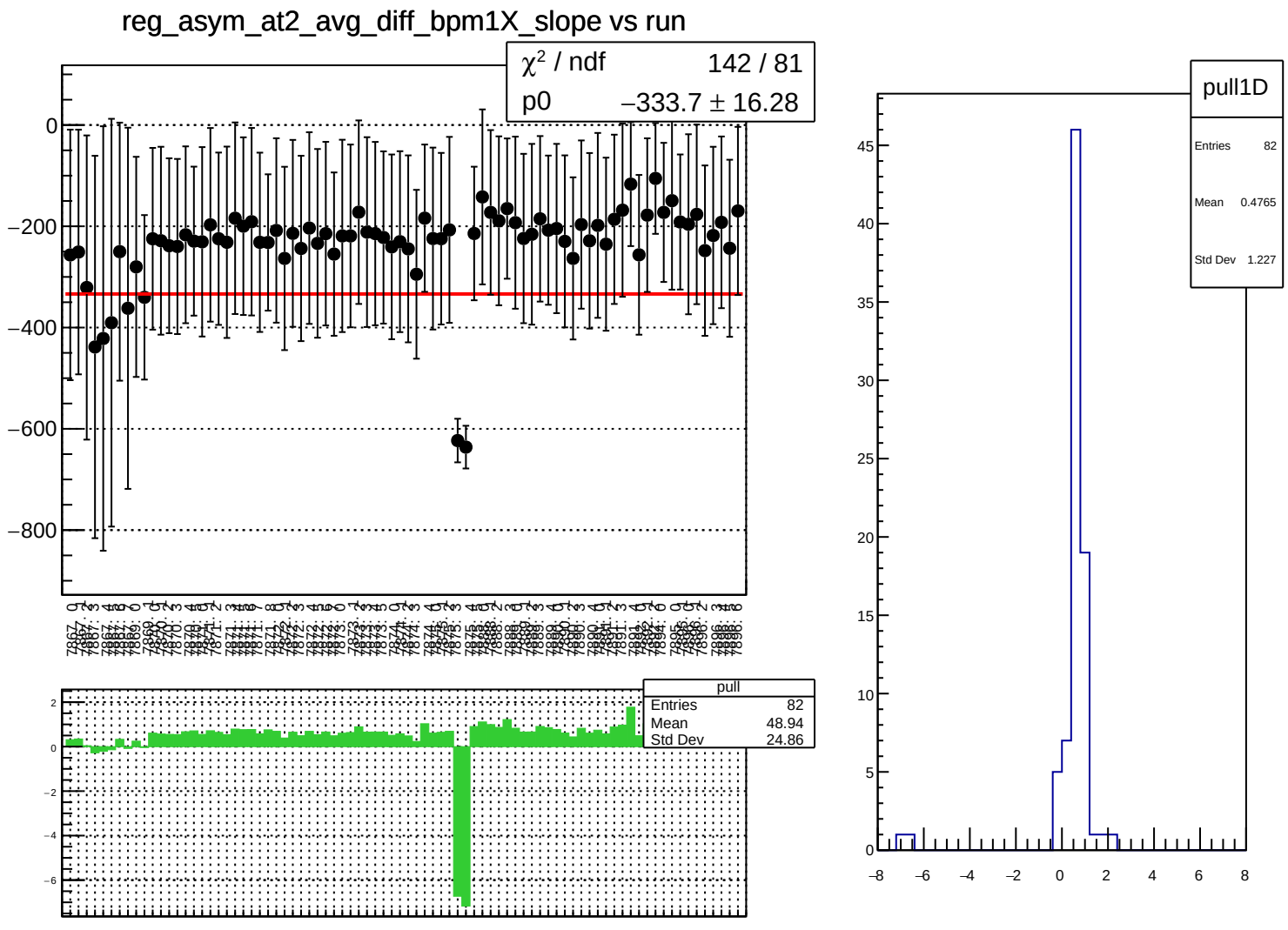

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 130.5 / 81
p0 −2.269 ± 2.391
pull
Entries 82
Mean 63.44
Std Dev 10.94

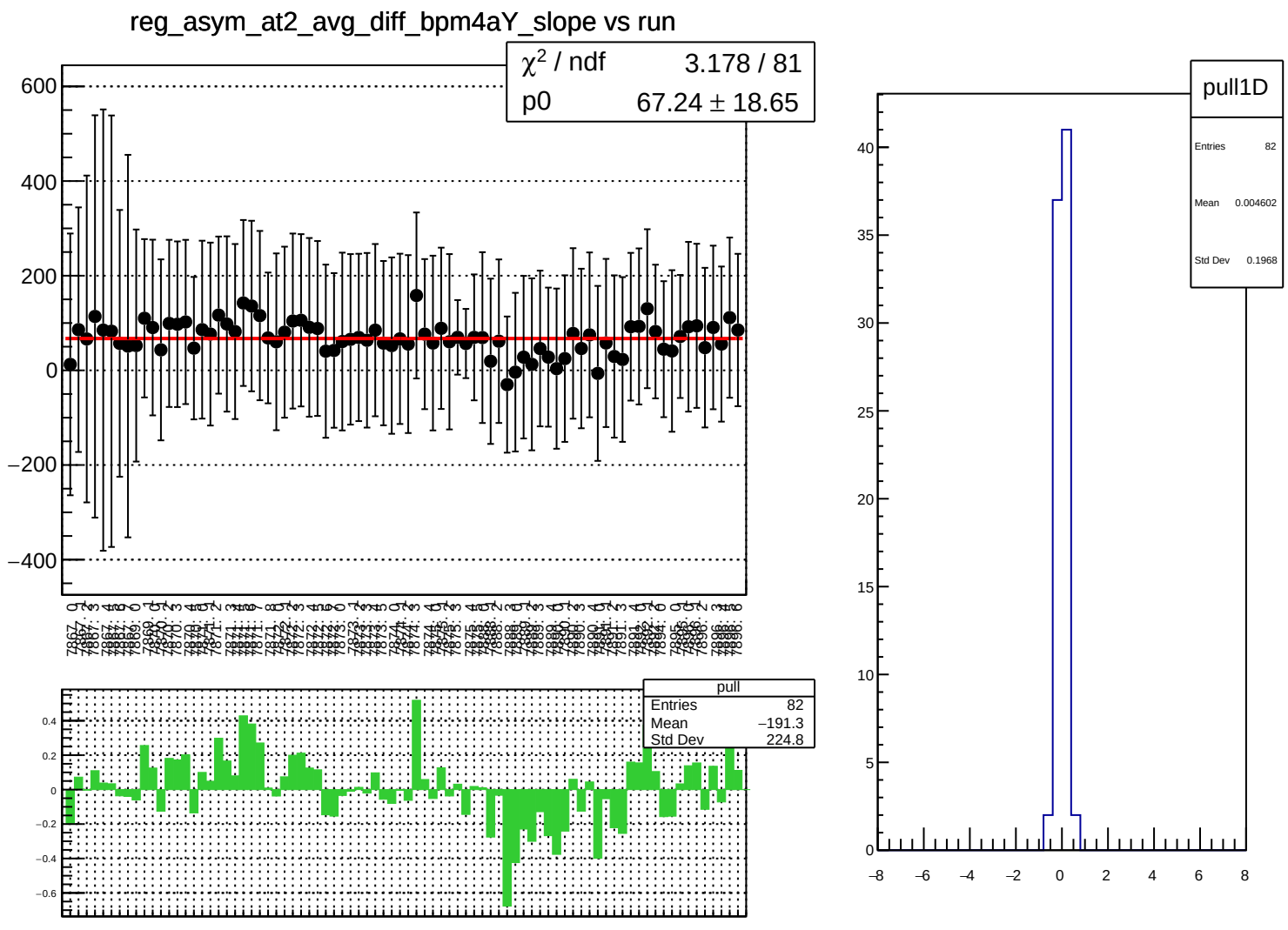

pull1D
Entries 82
Mean 0.2467
Std Dev 1.237

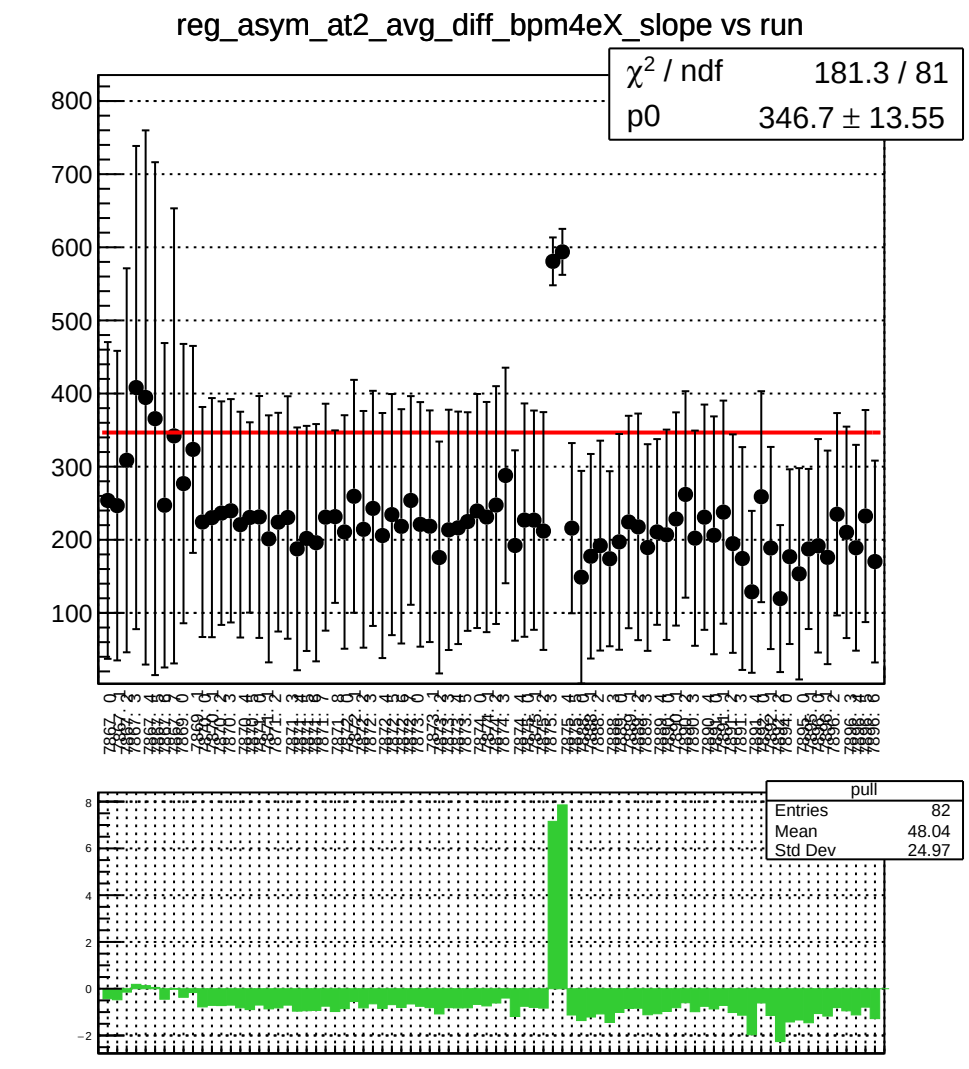

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.89 / 81
p0 −10.45 ± 3.685
pull
Entries 82
Mean 752.4
Std Dev 700

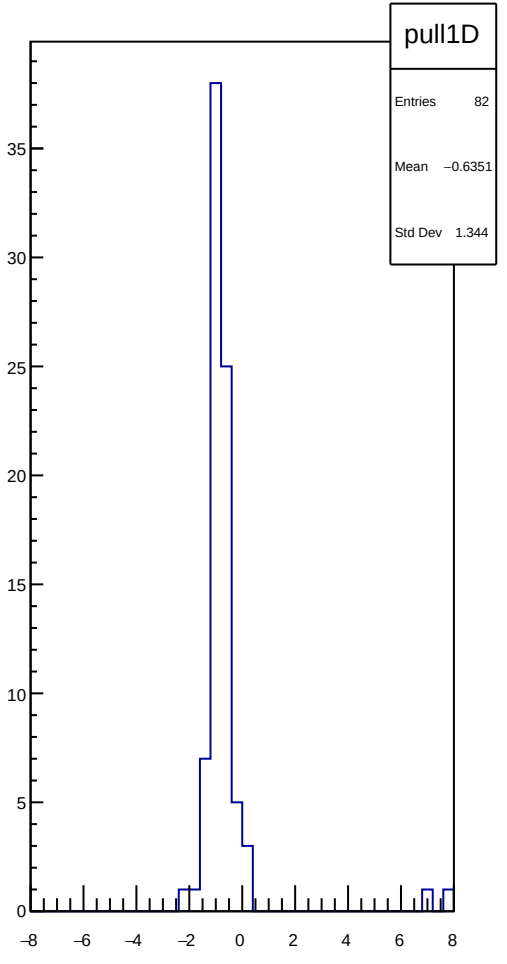

pull1D
Entries 82
Mean −0.001938
Std Dev 0.7642

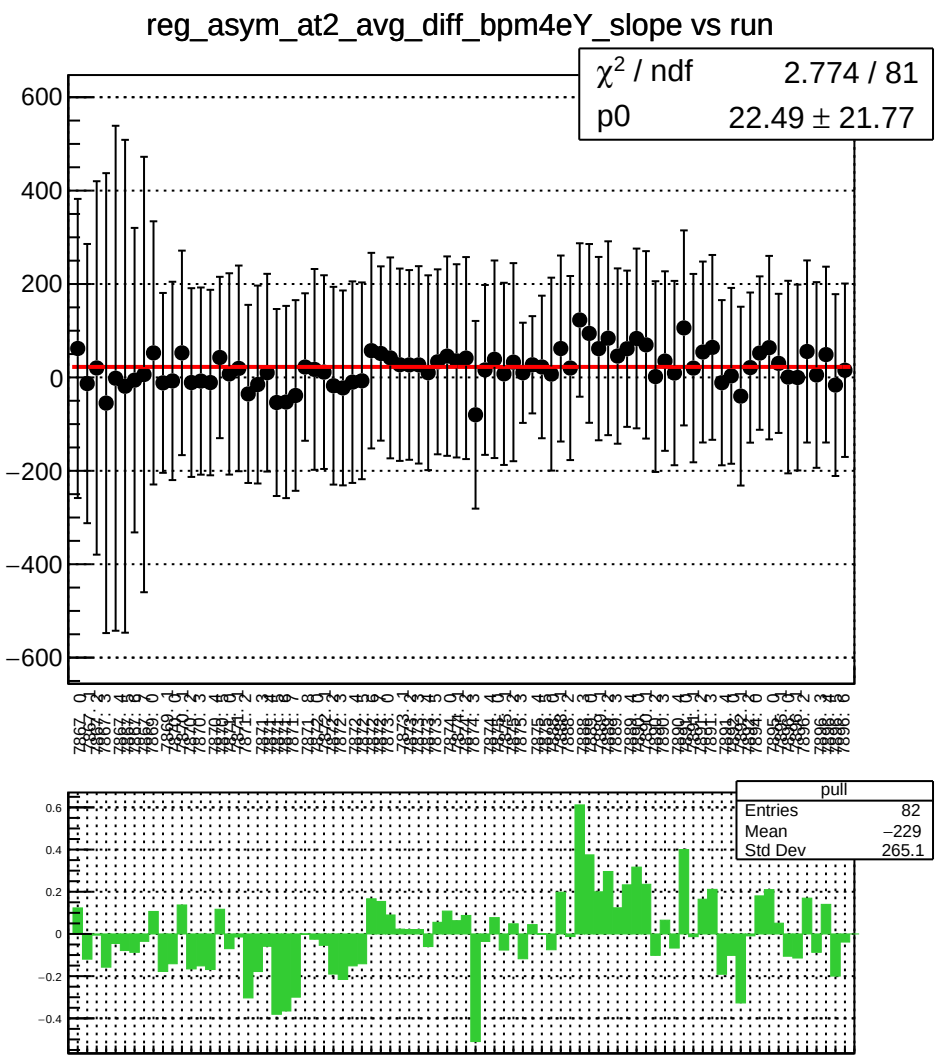

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 439.7 / 81
p0 30.66 ± 0.115
pull
Entries 82
Mean −421.2
Std Dev 456.7
pull1D
Entries 82
Mean −0.07577
Std Dev 1.996

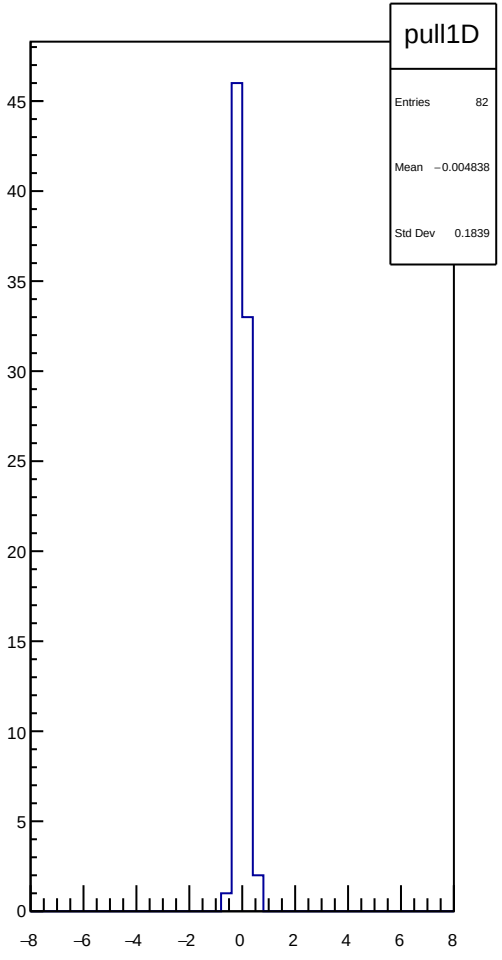

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 142 / 81
p0 −333.7 ± 16.28
0
−200
−400
−600
−800
pull
Entries 82
Mean 48.94
Std Dev 24.86
2
0
−2
−4
−6
pull1D
Entries 82
Mean 0.4765
Std Dev 1.227
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

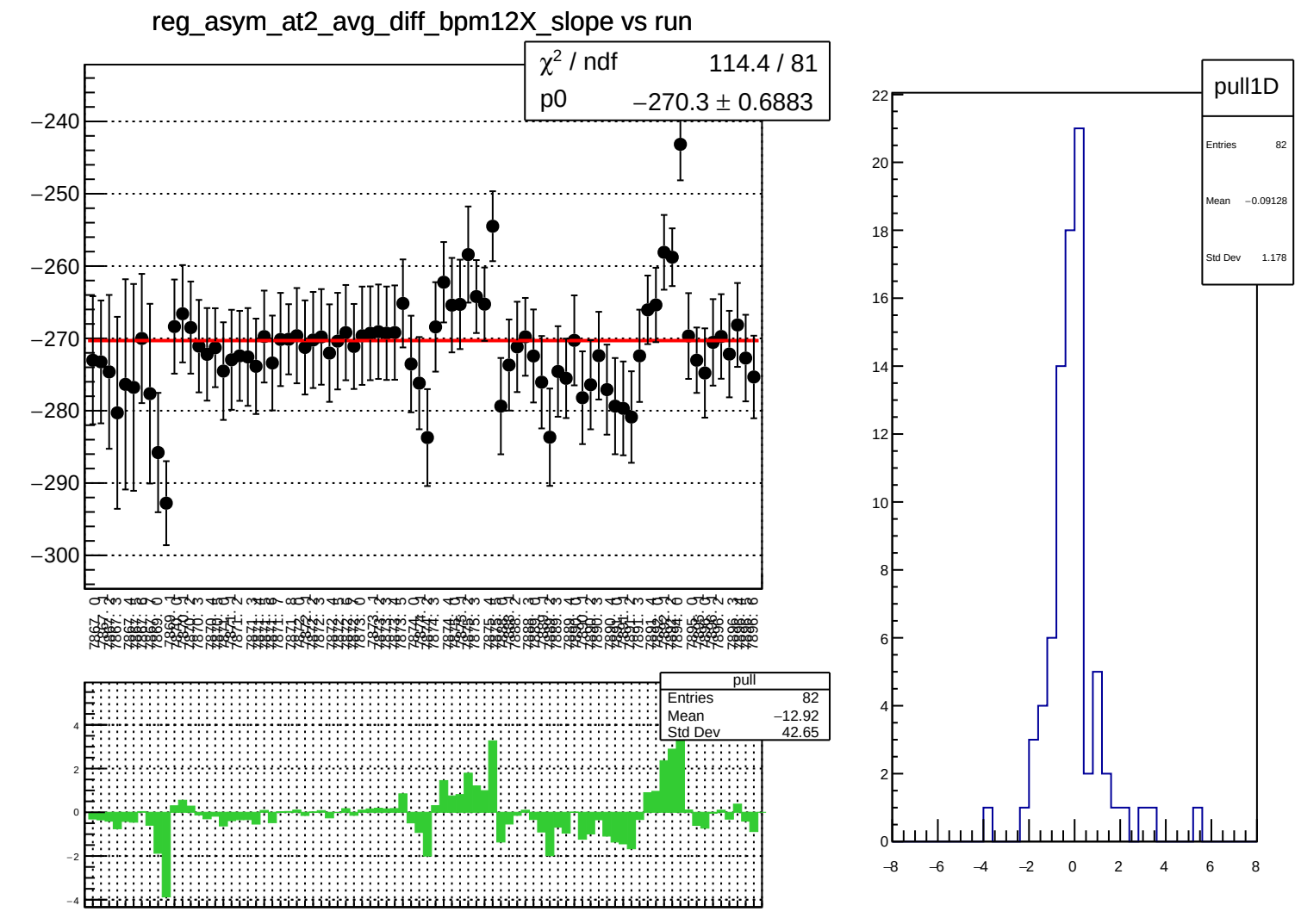

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.178 / 81
p0 67.24 ± 18.65
600
400
200
0
−200
−400
pull
Entries 82
Mean −191.3
Std Dev 224.8
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean 0.004602
Std Dev 0.1968
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

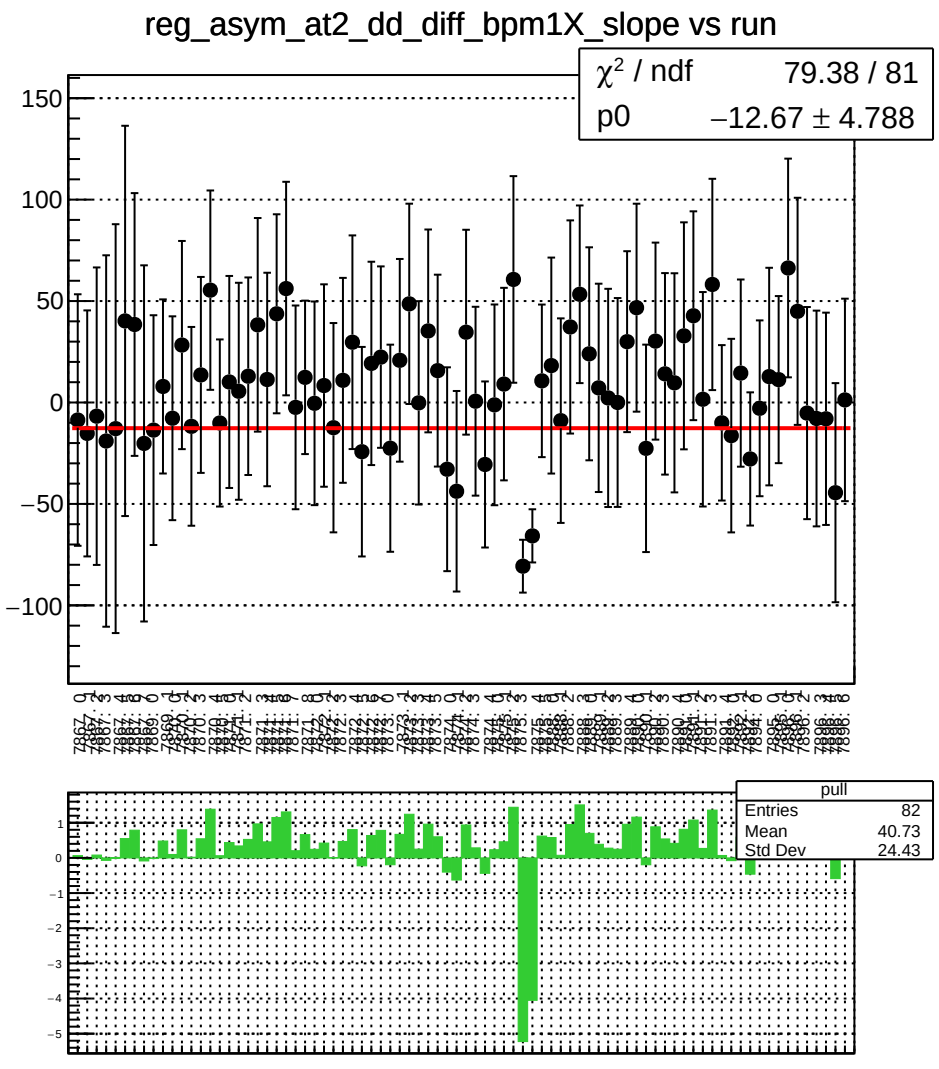

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 181.3 / 81
p0 346.7 ± 13.55
800
700
600
500
400
300
200
100
pull
Entries 82
Mean 48.04
Std Dev 24.97
8
6
4
2
0
−2

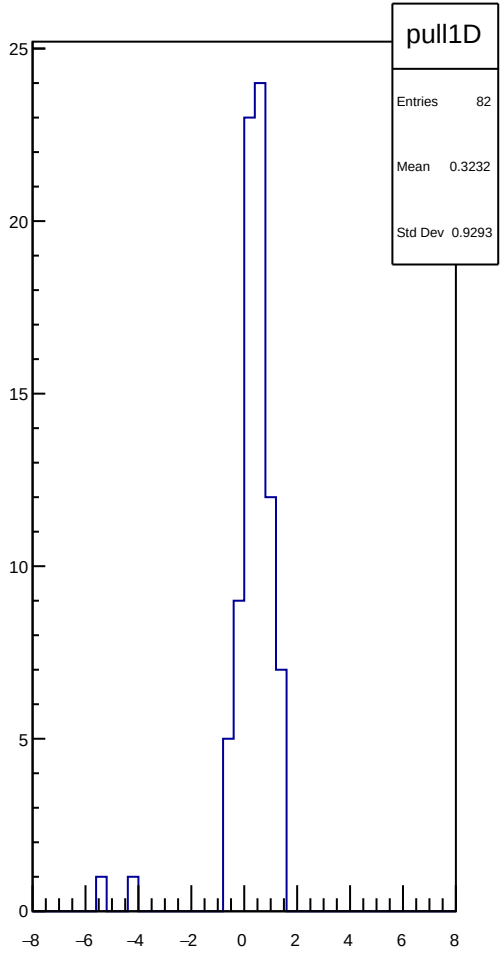

pull1D
Entries 82
Mean −0.6351
Std Dev 1.344
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

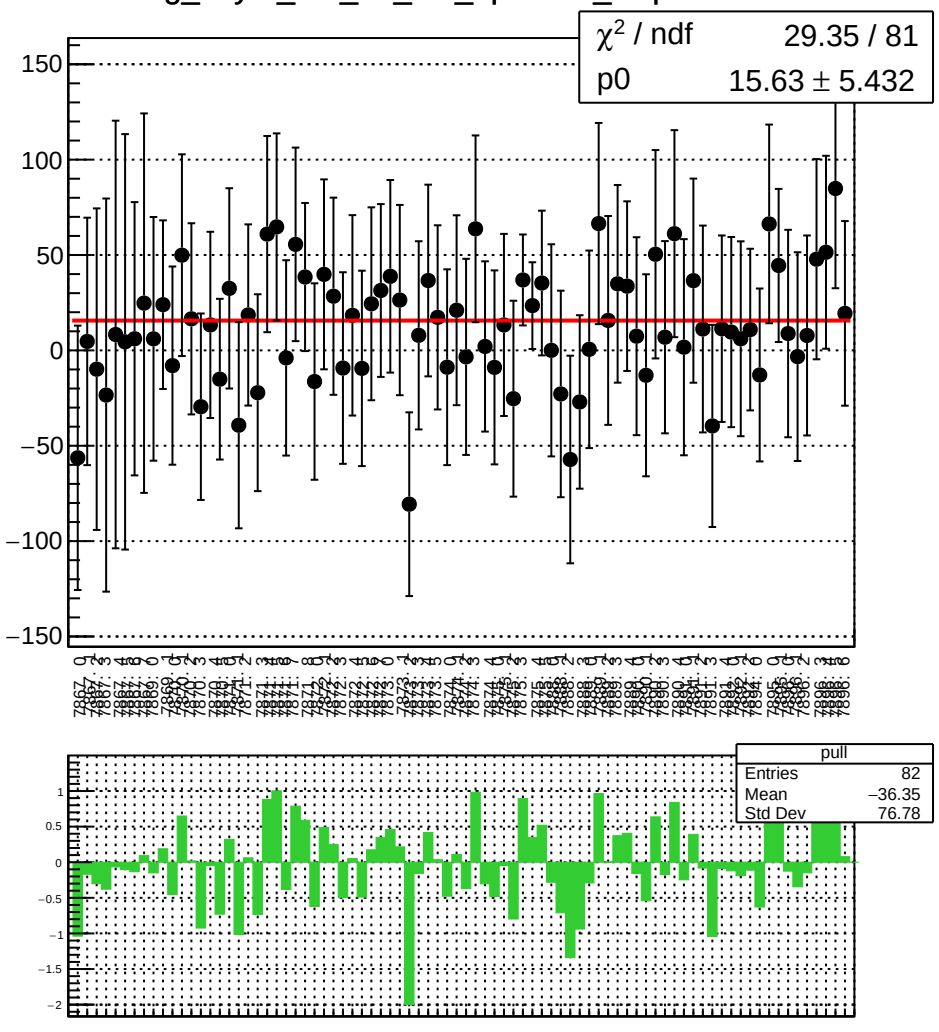

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.774 / 81
p0 22.49 ± 21.77
pull
Entries 82
Mean −229
Std Dev 265.1

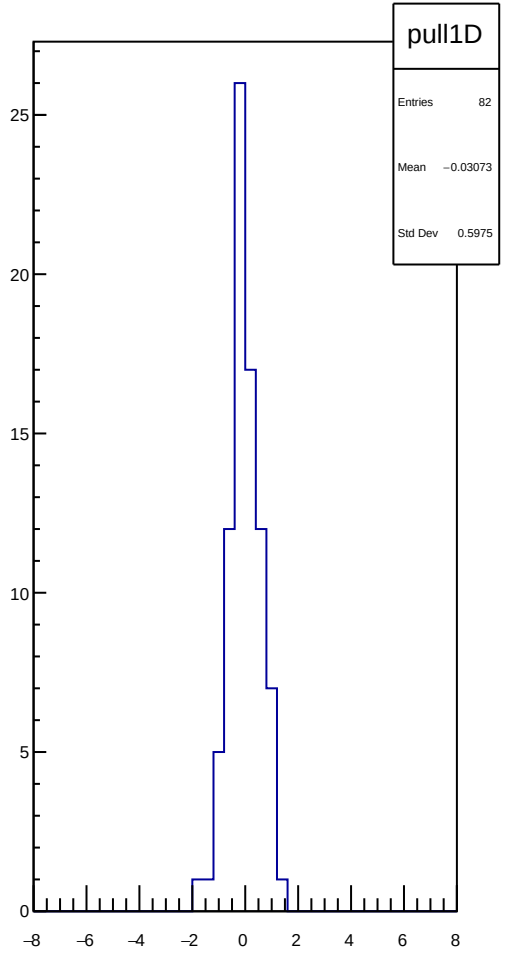

pull1D
Entries 82
Mean −0.004838
Std Dev 0.1839

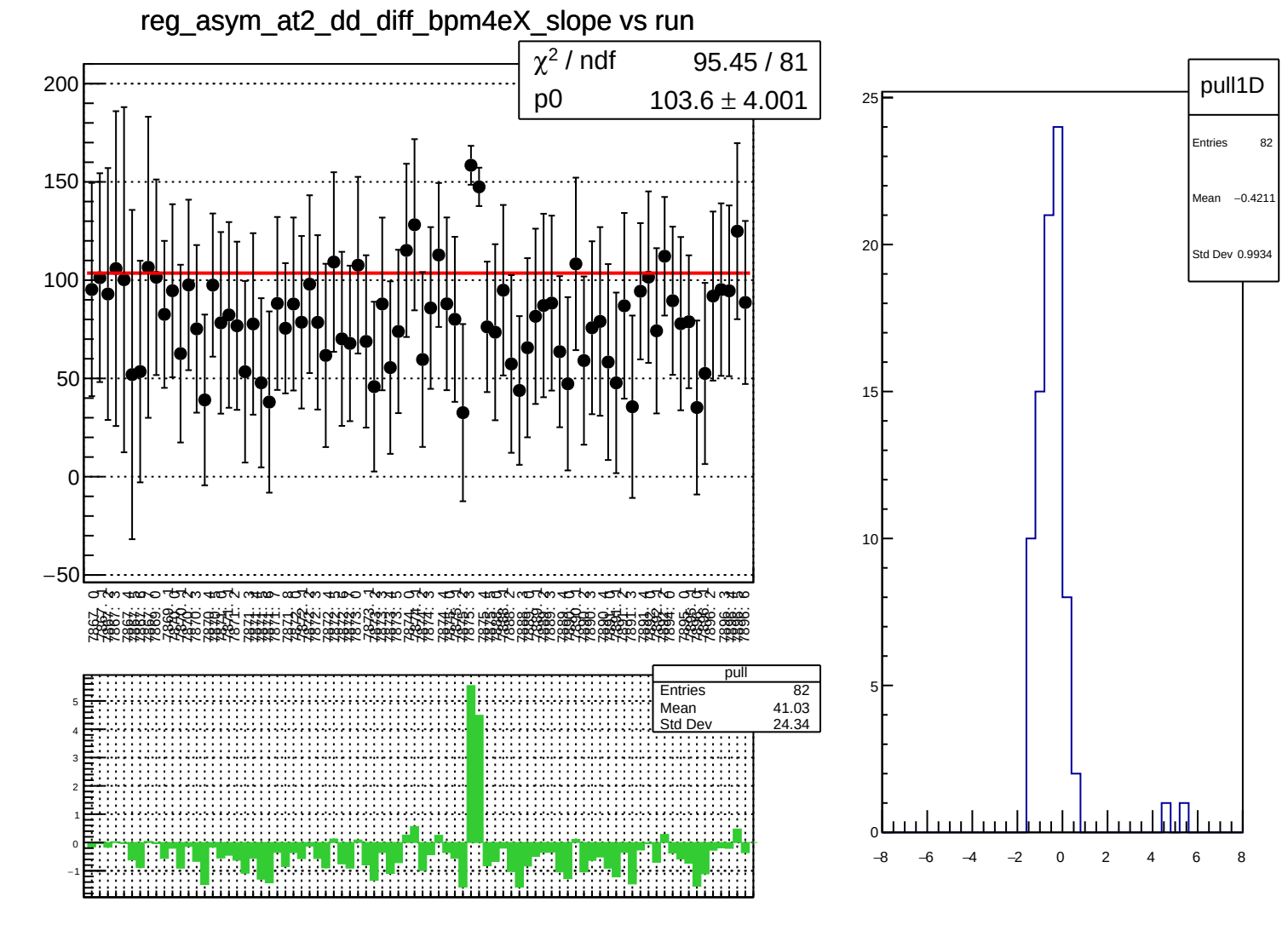

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 114.4 / 81
p0 −270.3 ± 0.6883
pull
Entries 82
Mean −12.92
Std Dev 42.65
pull1D
Entries 82
Mean −0.09128
Std Dev 1.178

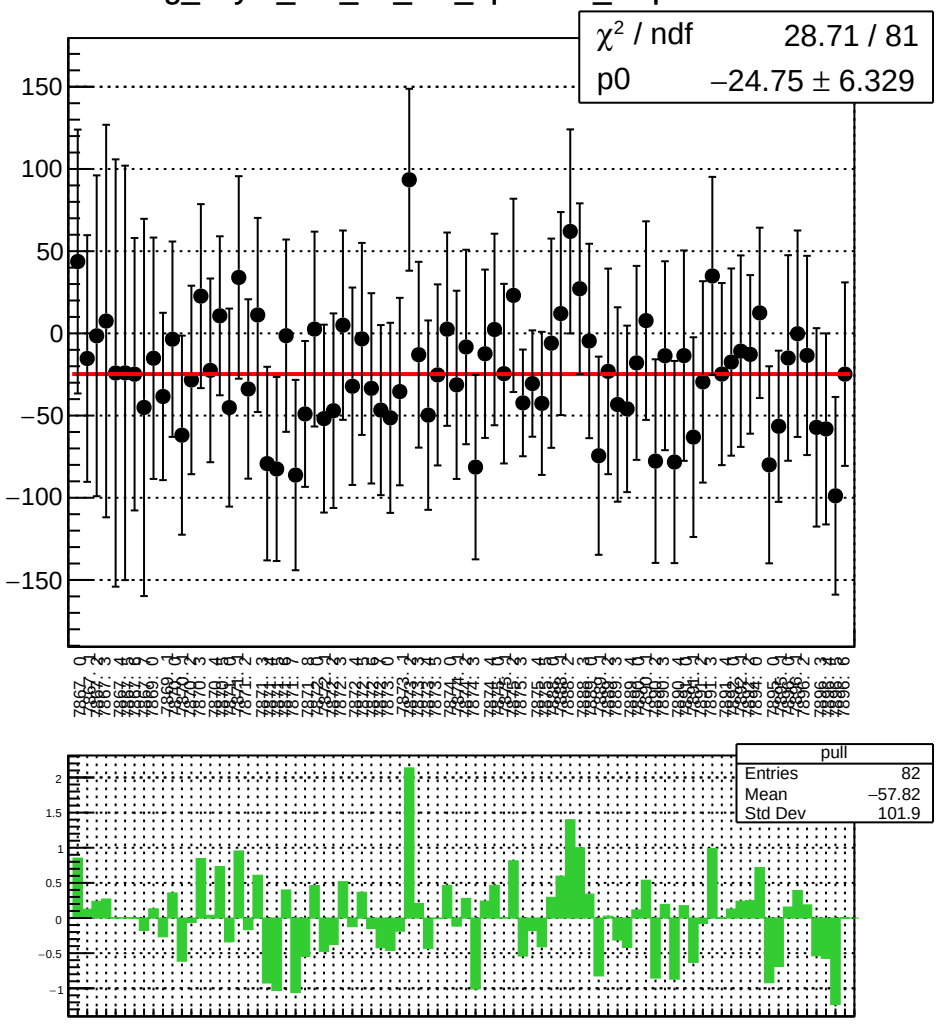

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 79.38 / 81
p0 −12.67 ± 4.788
150
100
50
0
−50
−100
pull
Entries 82
Mean 40.73
Std Dev 24.43
1
0
−1
−2
−3
−4
−5

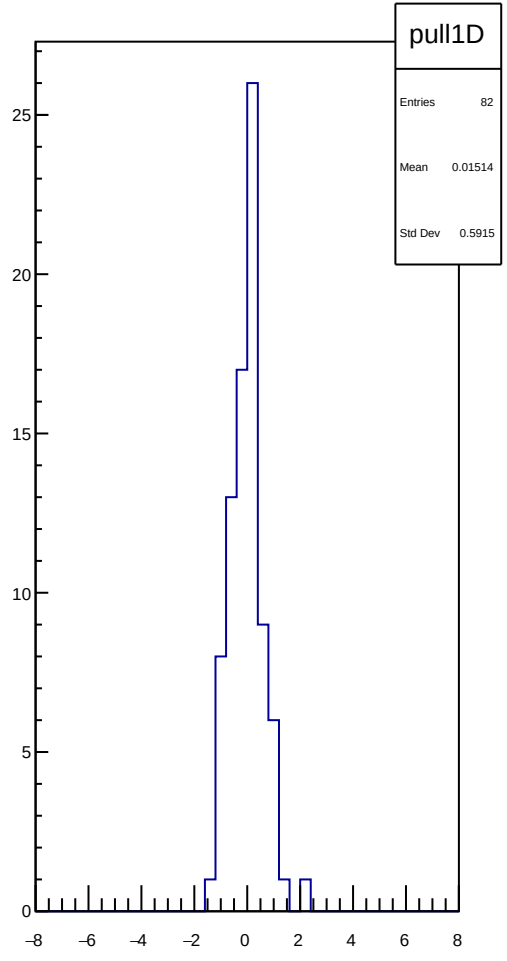

pull1D
Entries 82
Mean 0.3232
Std Dev 0.9293
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

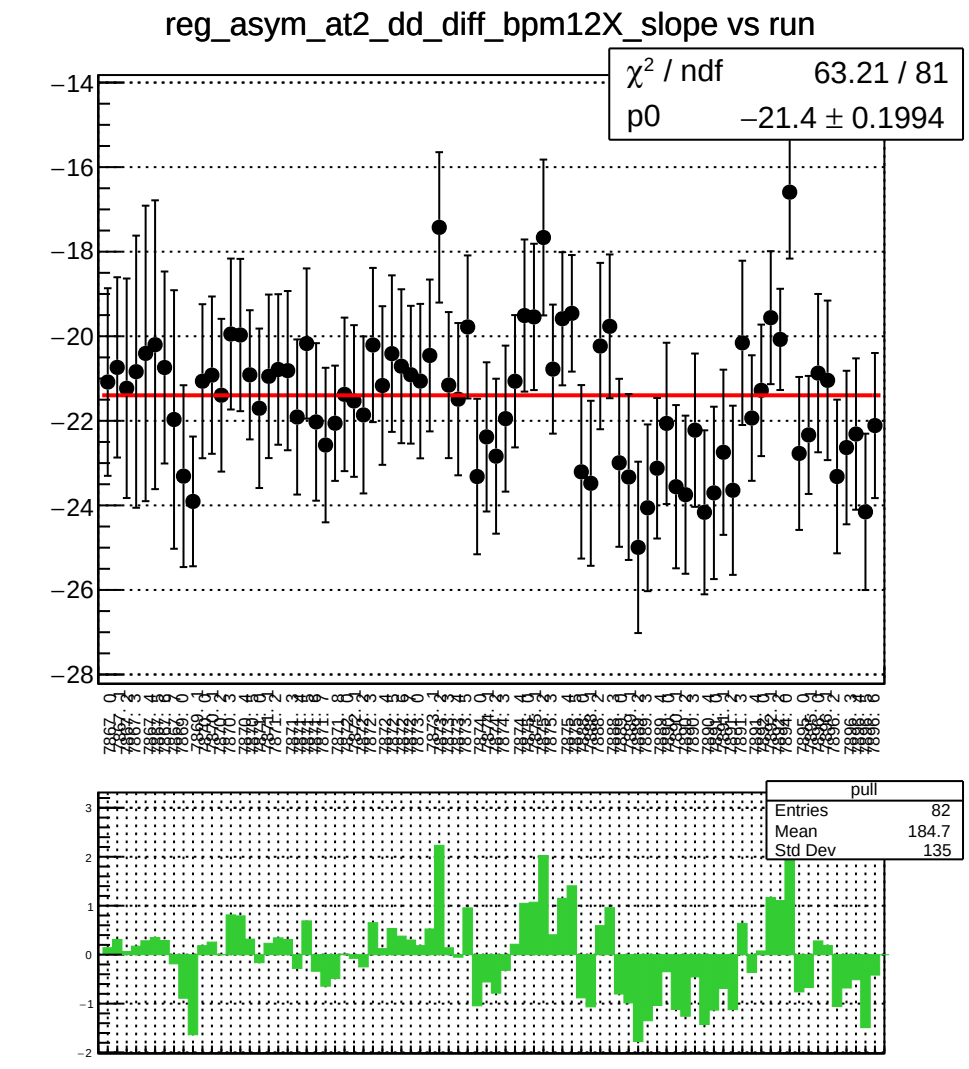

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.35 / 81
p0 15.63 ± 5.432
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −36.35
Std Dev 76.78
1
0.5
0
−0.5
−1
−1.5
−2

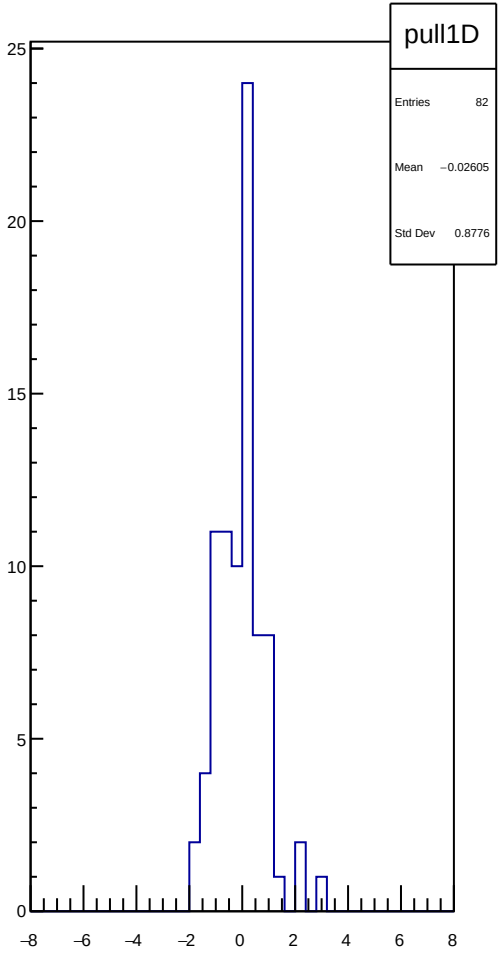

pull1D
Entries 82
Mean −0.03073
Std Dev 0.5975
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

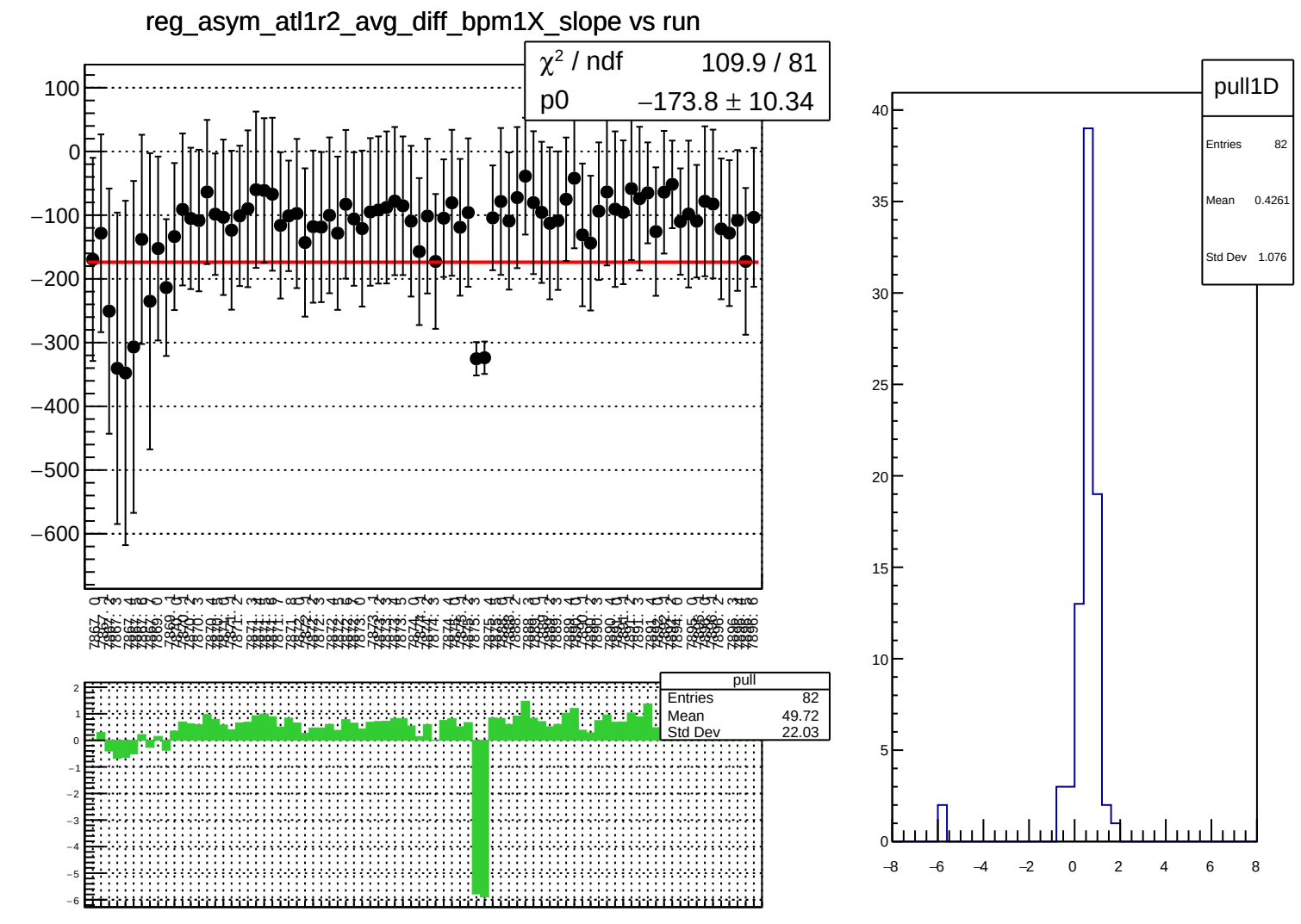

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.45 / 81
p0 103.6 ± 4.001
pull
Entries 82
Mean 41.03
Std Dev 24.34
pull1D
Entries 82
Mean −0.4211
Std Dev 0.9934

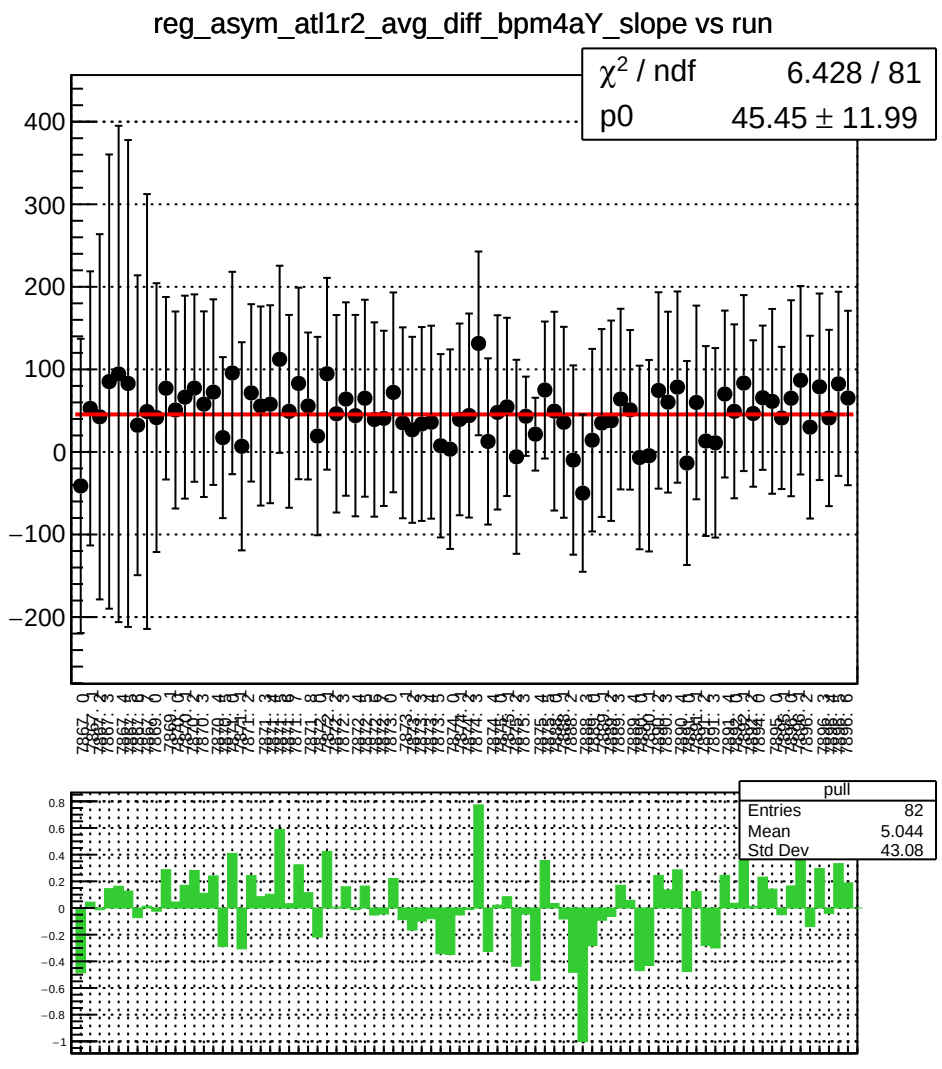

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.71 / 81
p0 −24.75 ± 6.329
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −57.82
Std Dev 101.9
2
1.5
1
0.5
0
−0.5
−1

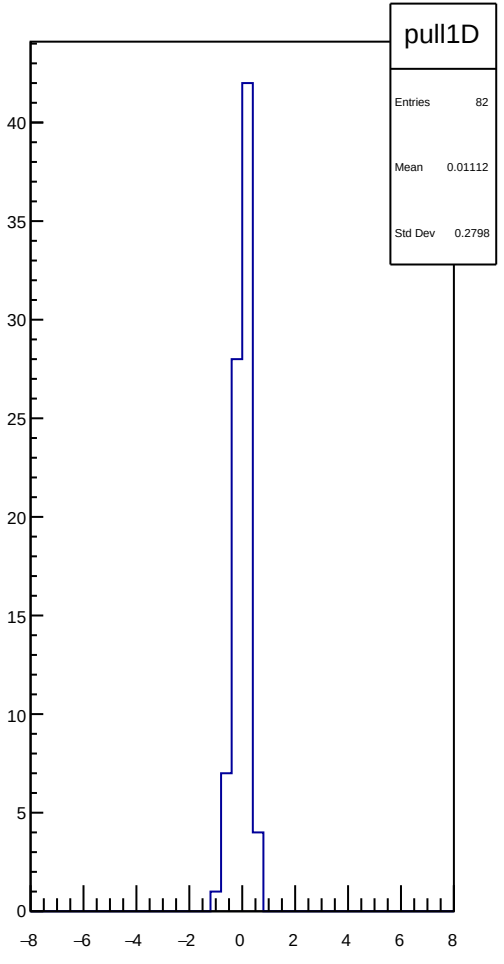

pull1D
Entries 82
Mean 0.01514
Std Dev 0.5915
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

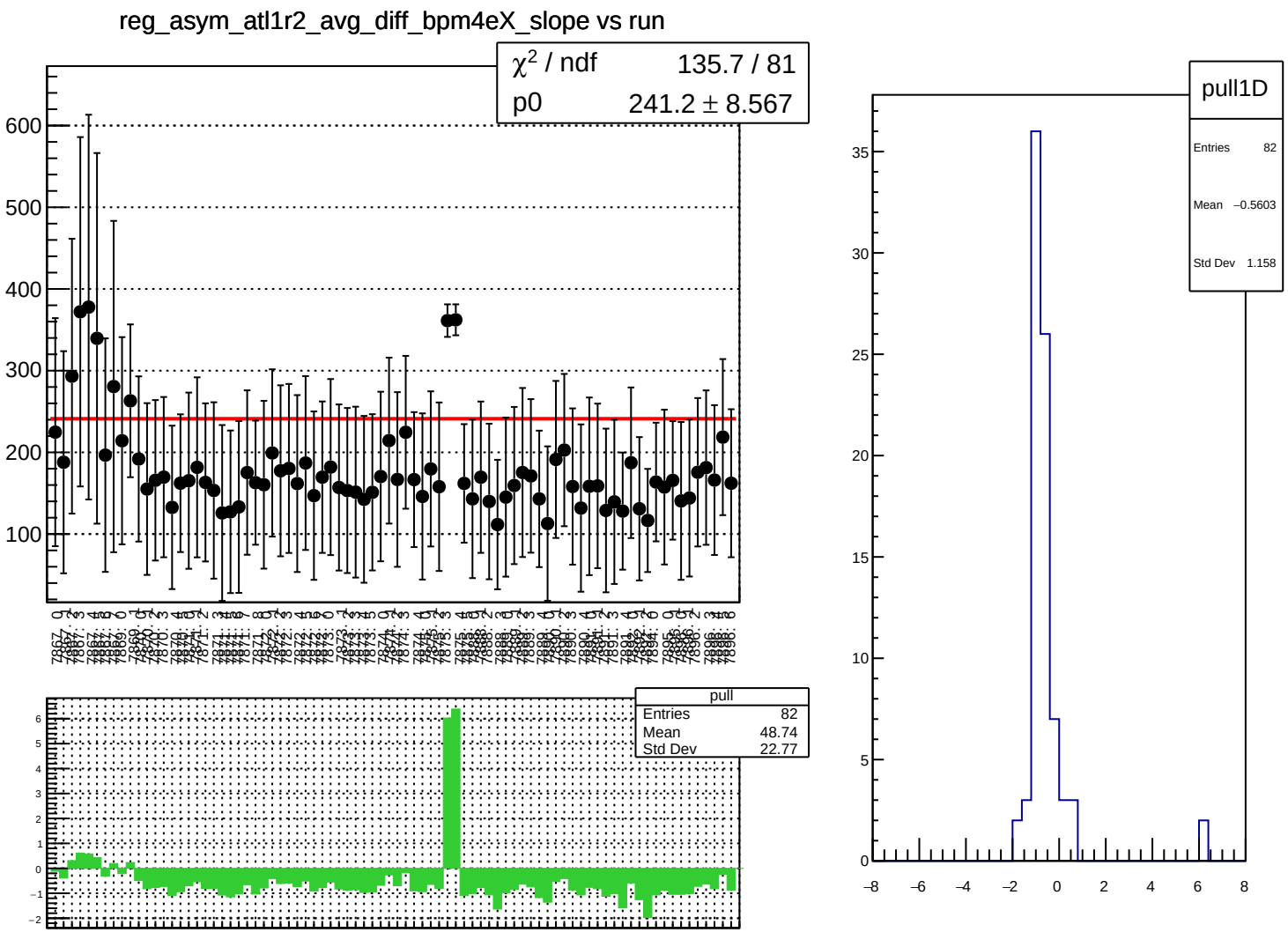

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 63.21 / 81
p0 −21.4 ± 0.1994
pull
Entries 82
Mean 184.7
Std Dev 135

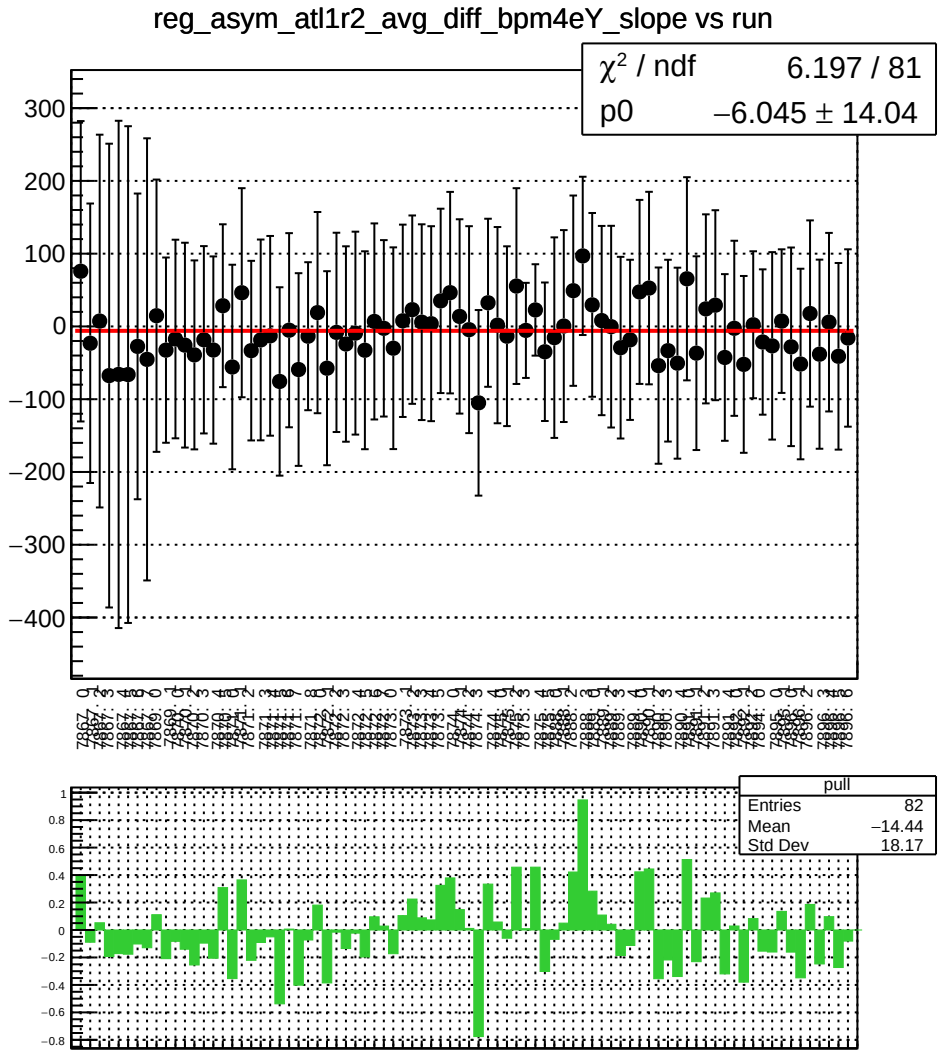

pull1D
Entries 82
Mean −0.02605
Std Dev 0.8776

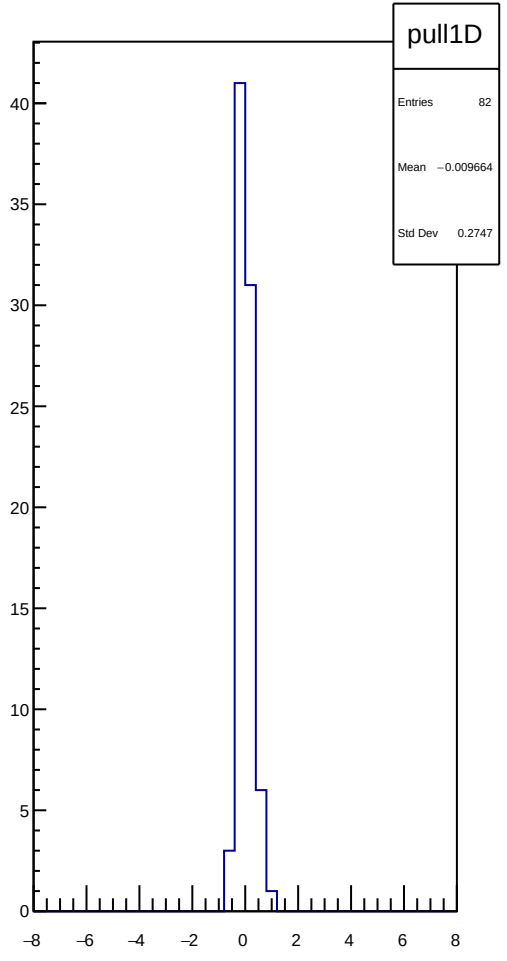

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 109.9 / 81
p0 −173.8 ± 10.34
pull
Entries 82
Mean 49.72
Std Dev 22.03
pull1D
Entries 82
Mean 0.4261
Std Dev 1.076

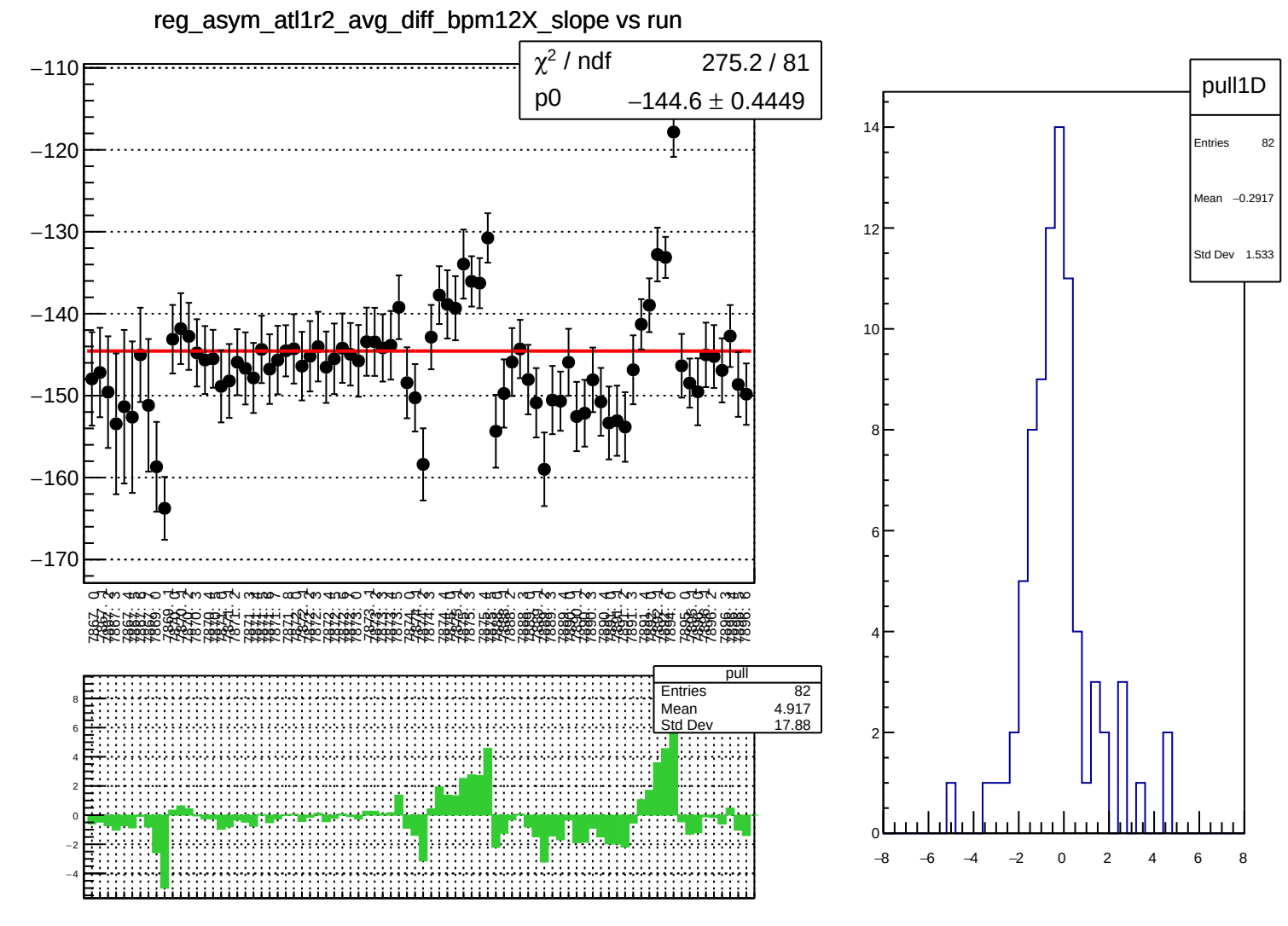

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.428 / 81
p0 45.45 ± 11.99
pull
Entries 82
Mean 5.044
Std Dev 43.08

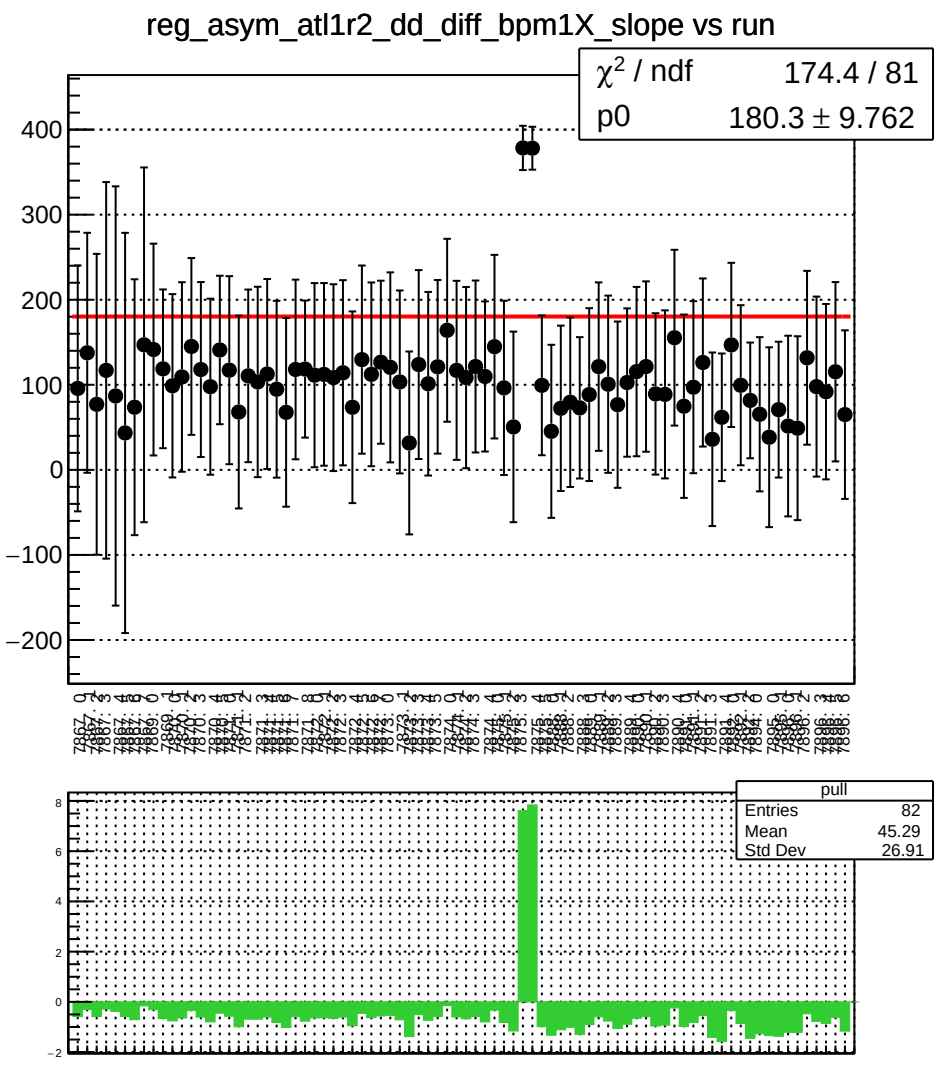

pull1D
Entries 82
Mean 0.01112
Std Dev 0.2798

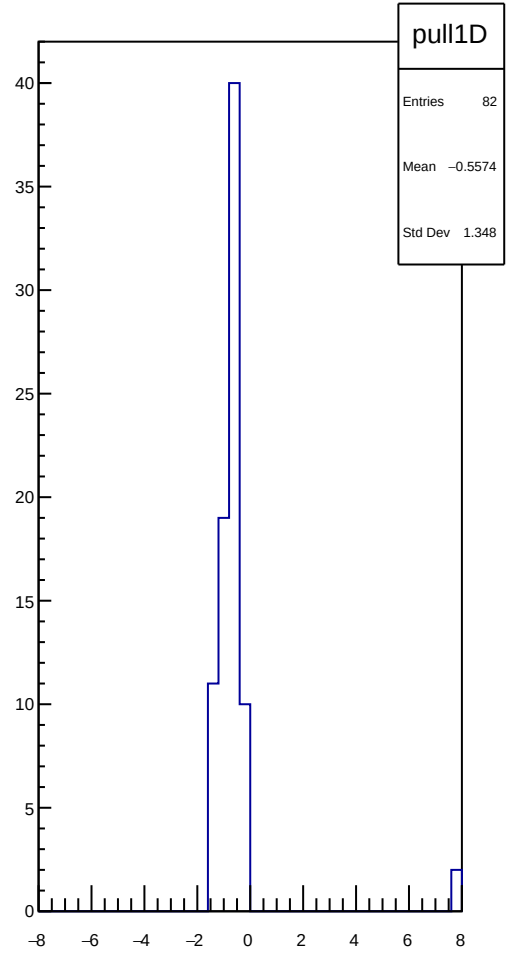

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 135.7 / 81
p0 241.2 ± 8.567
pull
Entries 82
Mean 48.74
Std Dev 22.77
pull1D
Entries 82
Mean −0.5603
Std Dev 1.158

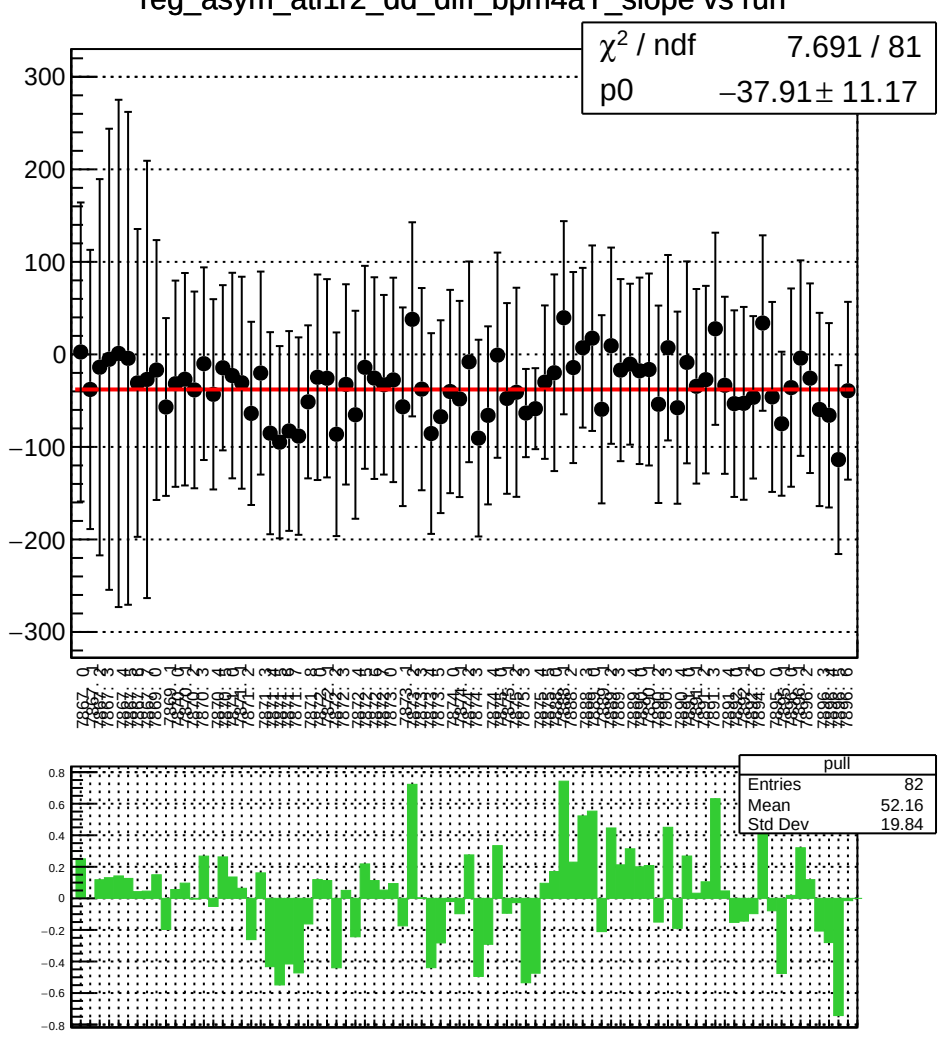

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.197 / 81
p0 −6.045 ± 14.04
pull
Entries 82
Mean −14.44
Std Dev 18.17

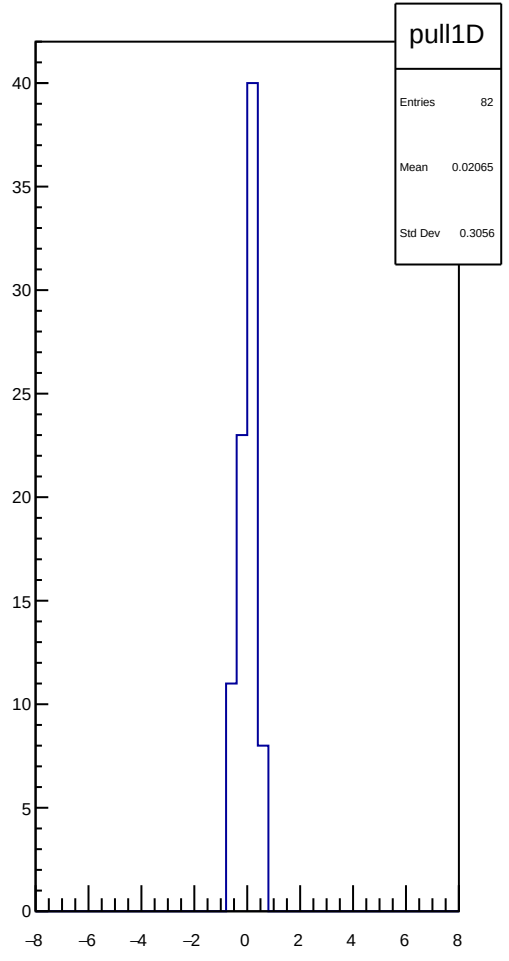

pull1D
Entries 82
Mean −0.009664
Std Dev 0.2747

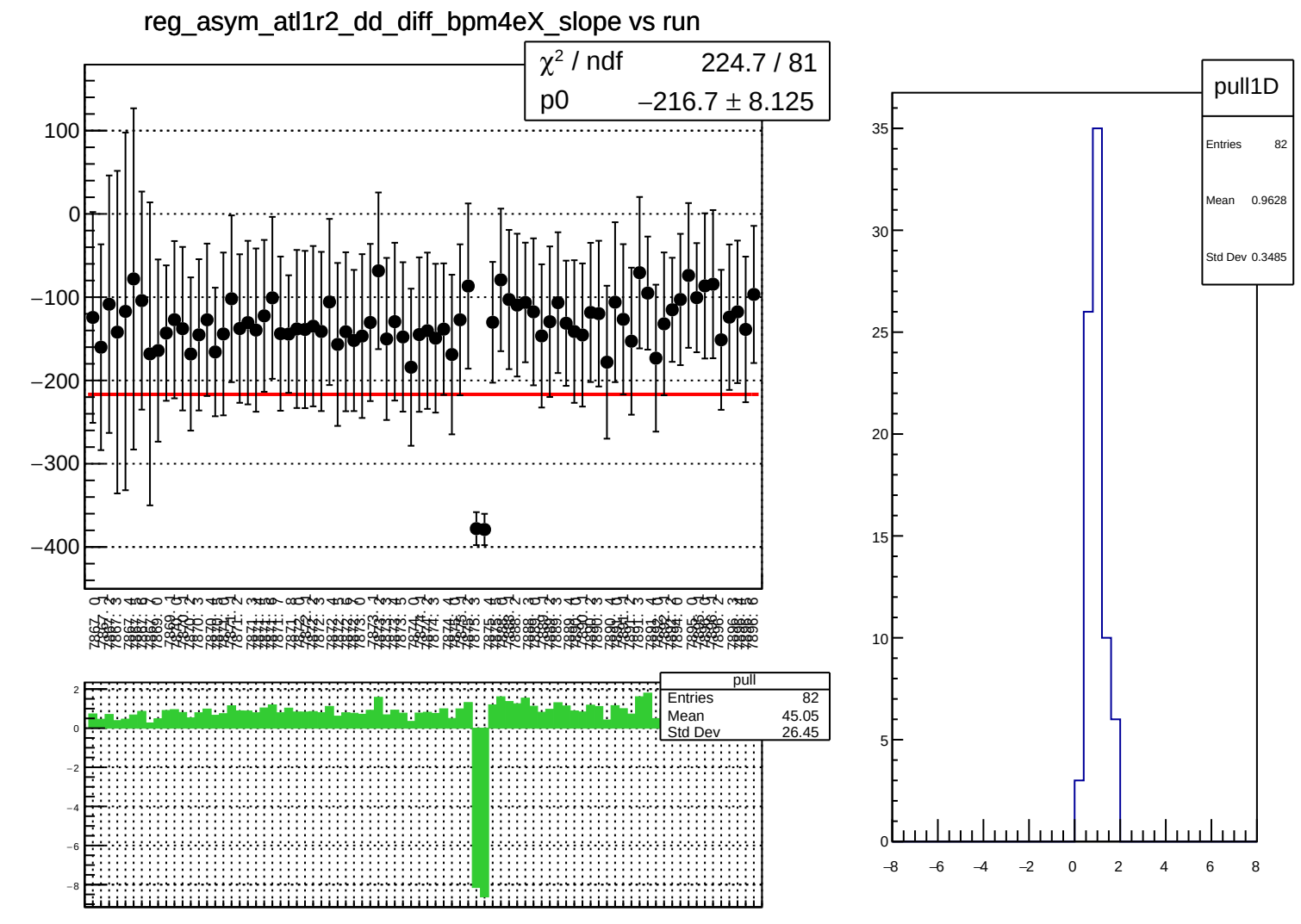

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 275.2 / 81
p0 −144.6 ± 0.4449
pull
Entries 82
Mean 4.917
Std Dev 17.88
pull1D
Entries 82
Mean −0.2917
Std Dev 1.533

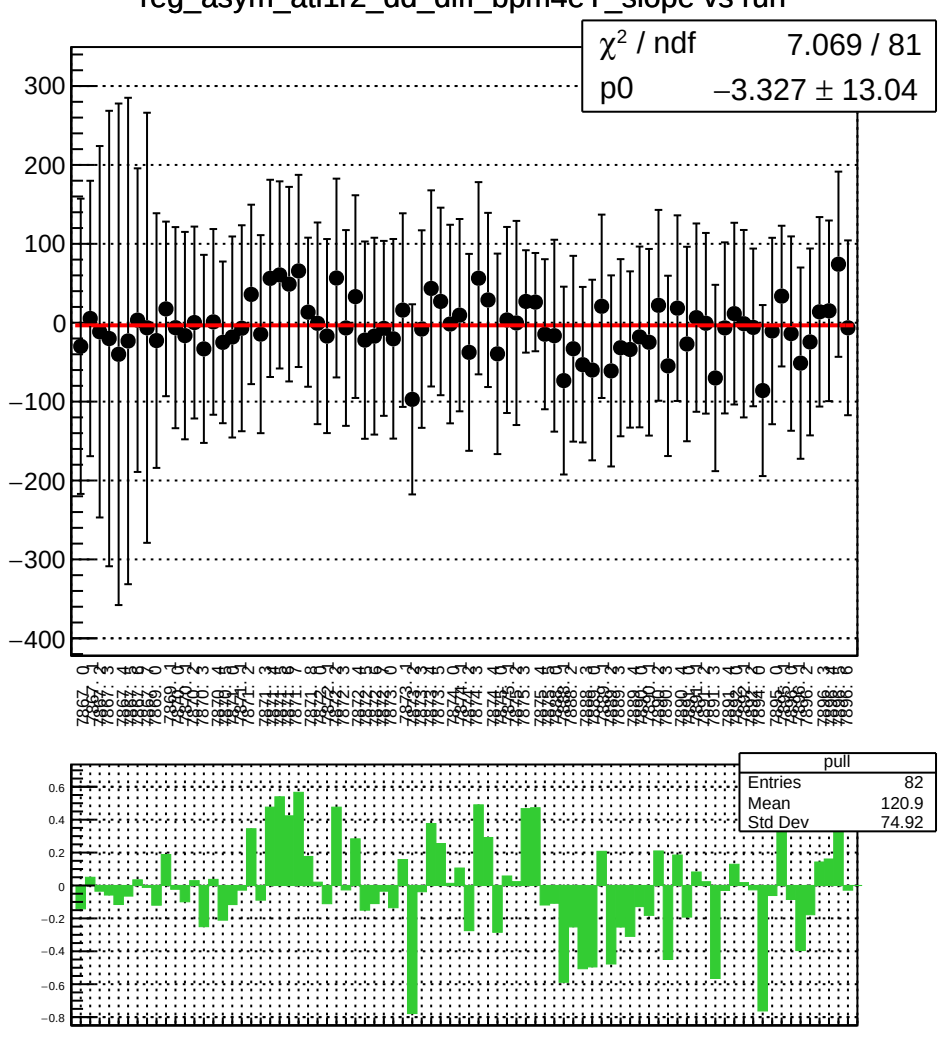

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 174.4 / 81
p0 180.3 ± 9.762
pull
Entries 82
Mean 45.29
Std Dev 26.91

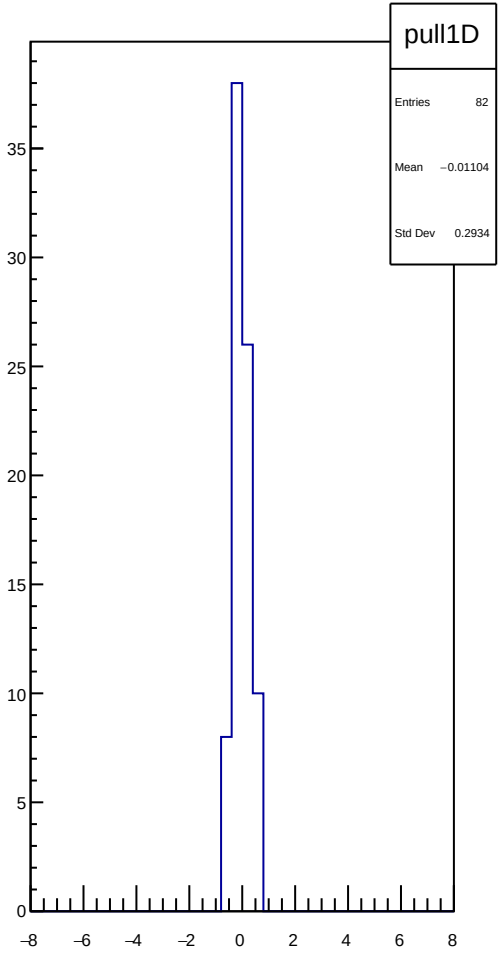

pull1D
Entries 82
Mean −0.5574
Std Dev 1.348

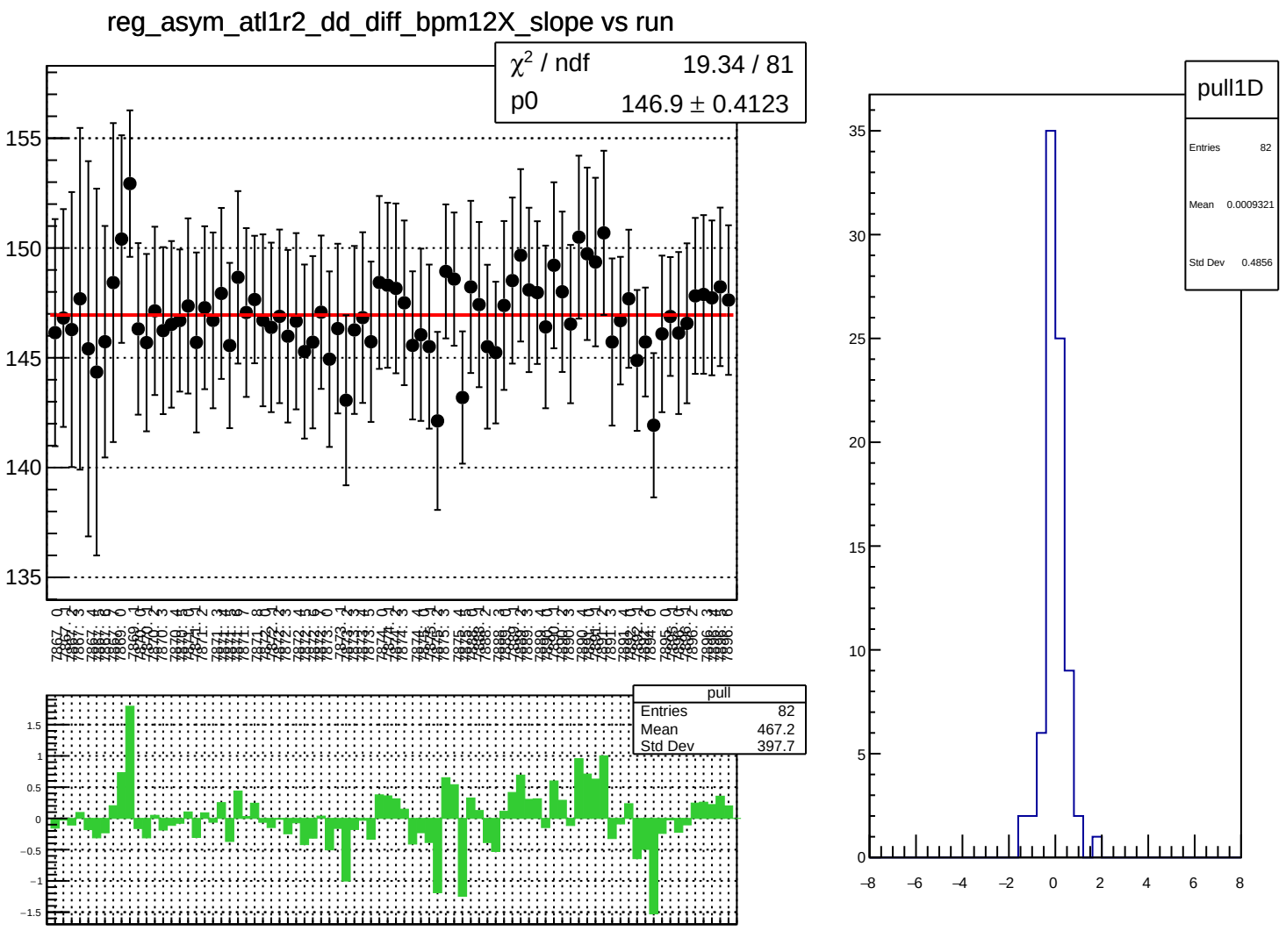

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.691 / 81
p0 −37.91 ± 11.17
pull
Entries 82
Mean 52.16
Std Dev 19.84

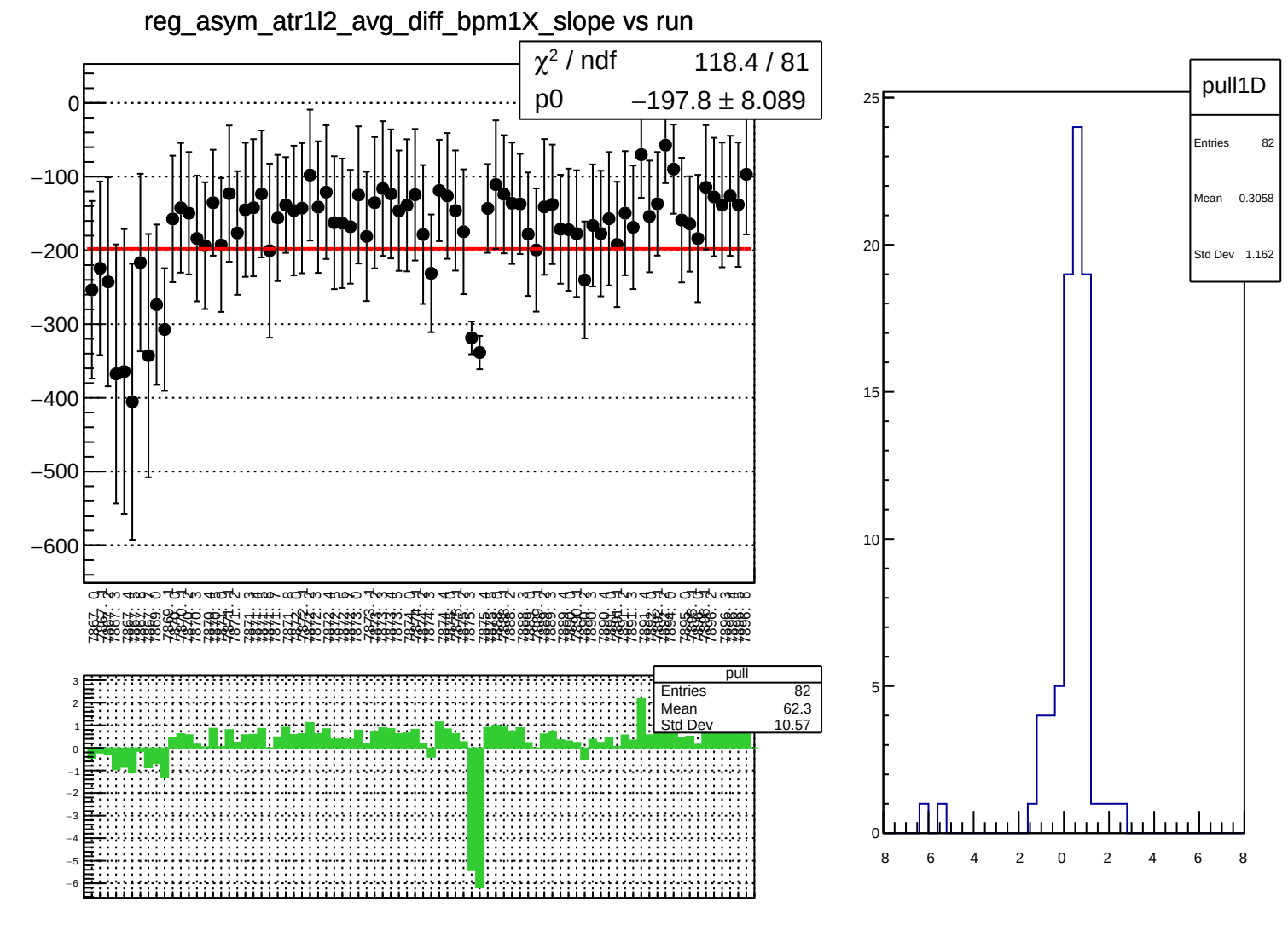

pull1D
Entries 82
Mean 0.02065
Std Dev 0.3056

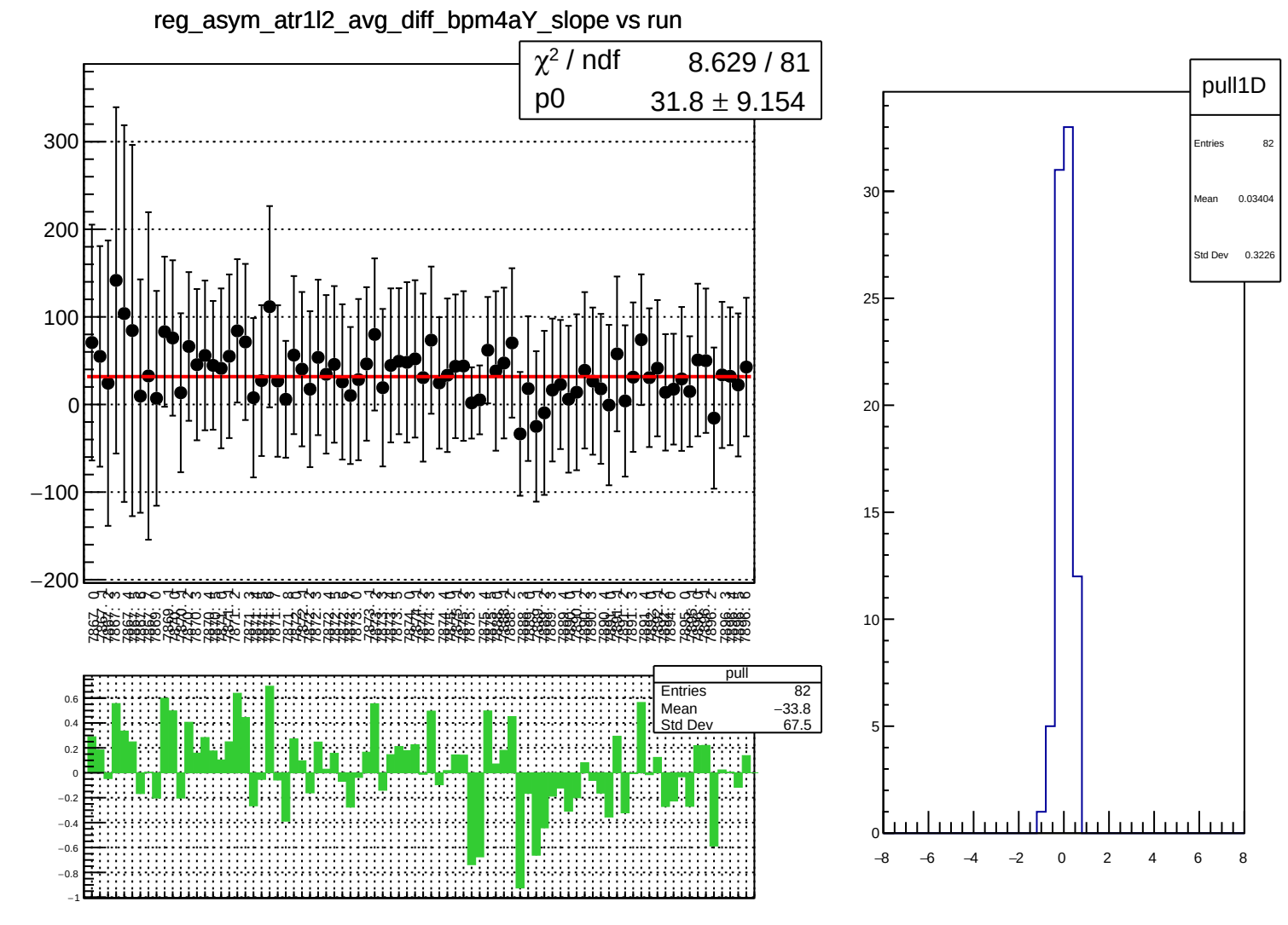

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 224.7 / 81
p0 −216.7 ± 8.125
pull
Entries 82
Mean 45.05
Std Dev 26.45
pull1D
Entries 82
Mean 0.9628
Std Dev 0.3485

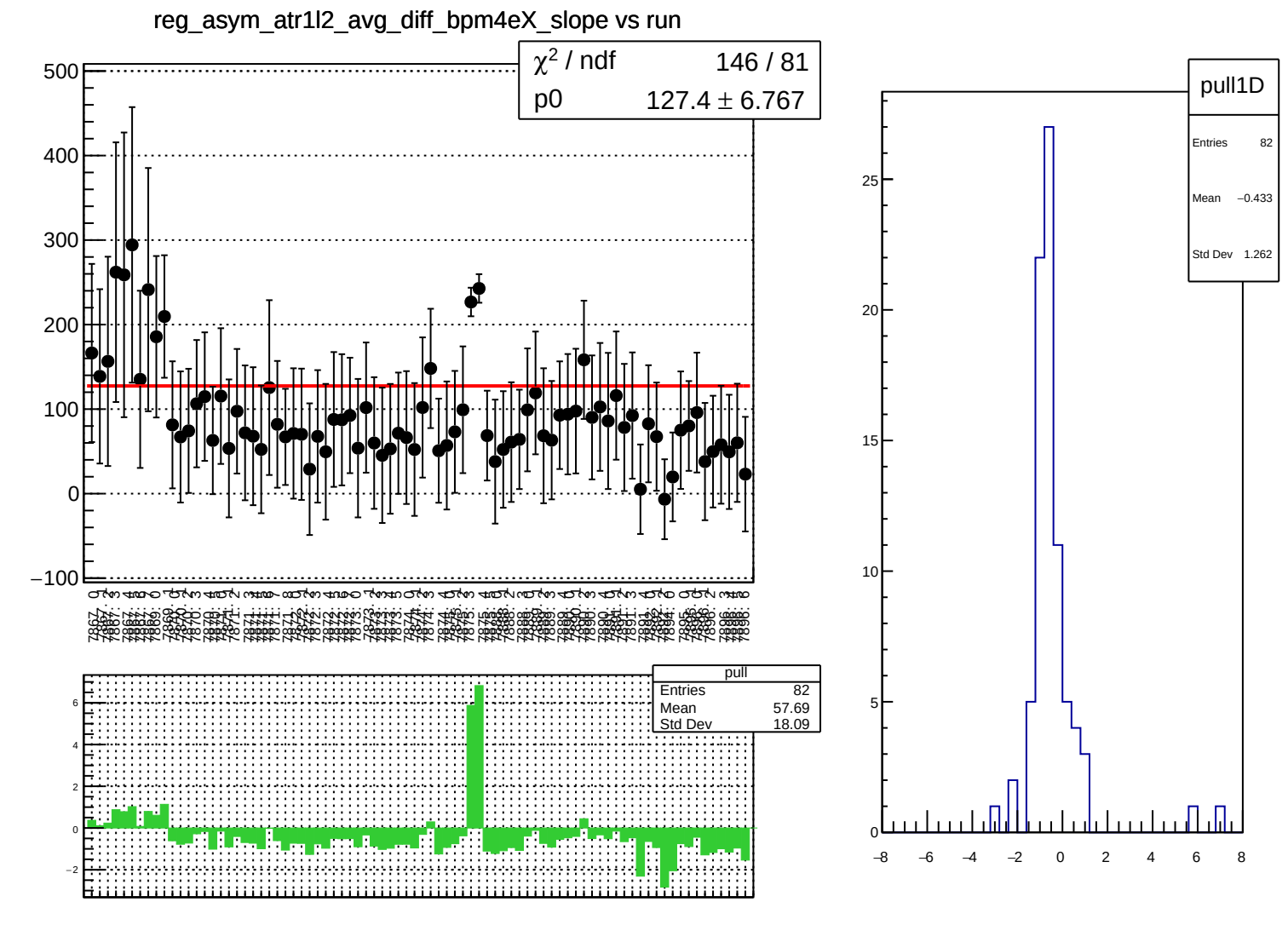

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.069 / 81
p0 −3.327 ± 13.04
pull
Entries 82
Mean 120.9
Std Dev 74.92

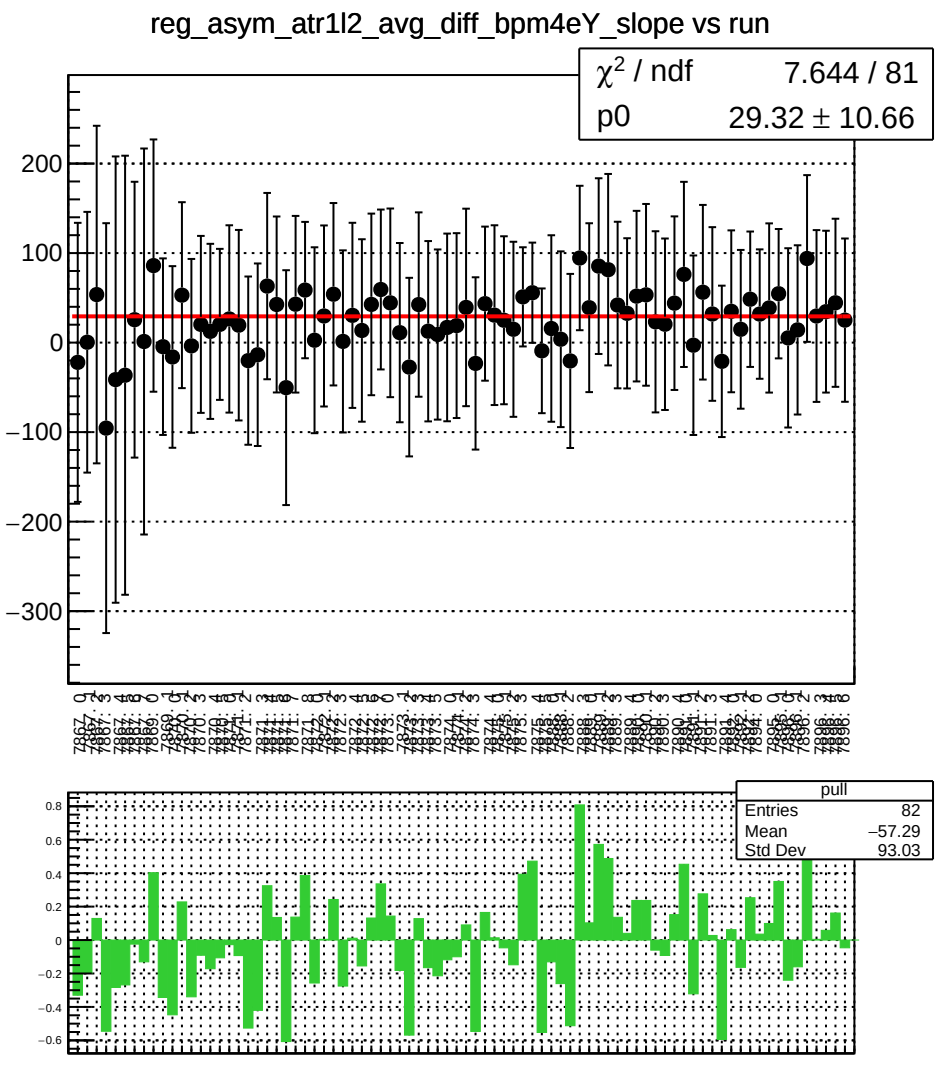

pull1D
Entries 82
Mean −0.01104
Std Dev 0.2934

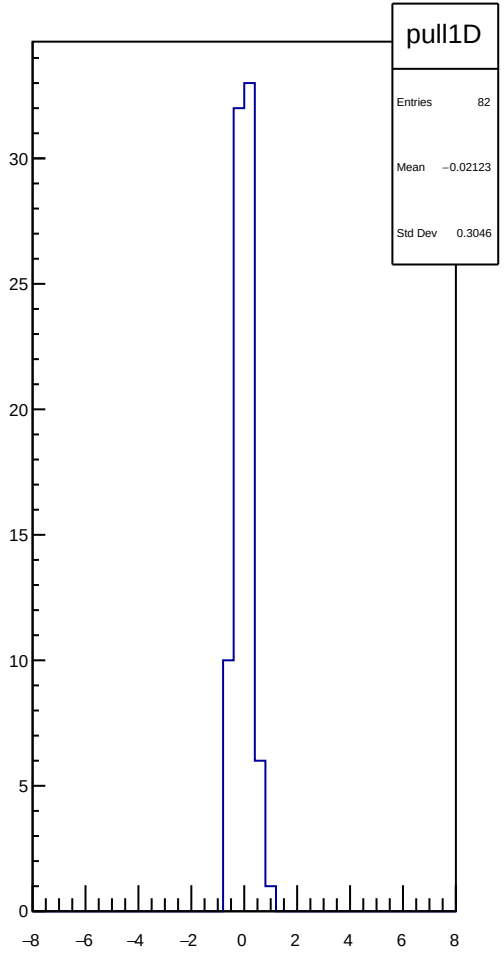

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.34 / 81
p0 146.9 ± 0.4123
155
150
145
140
135
pull
Entries 82
Mean 467.2
Std Dev 397.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.0009321
Std Dev 0.4856
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

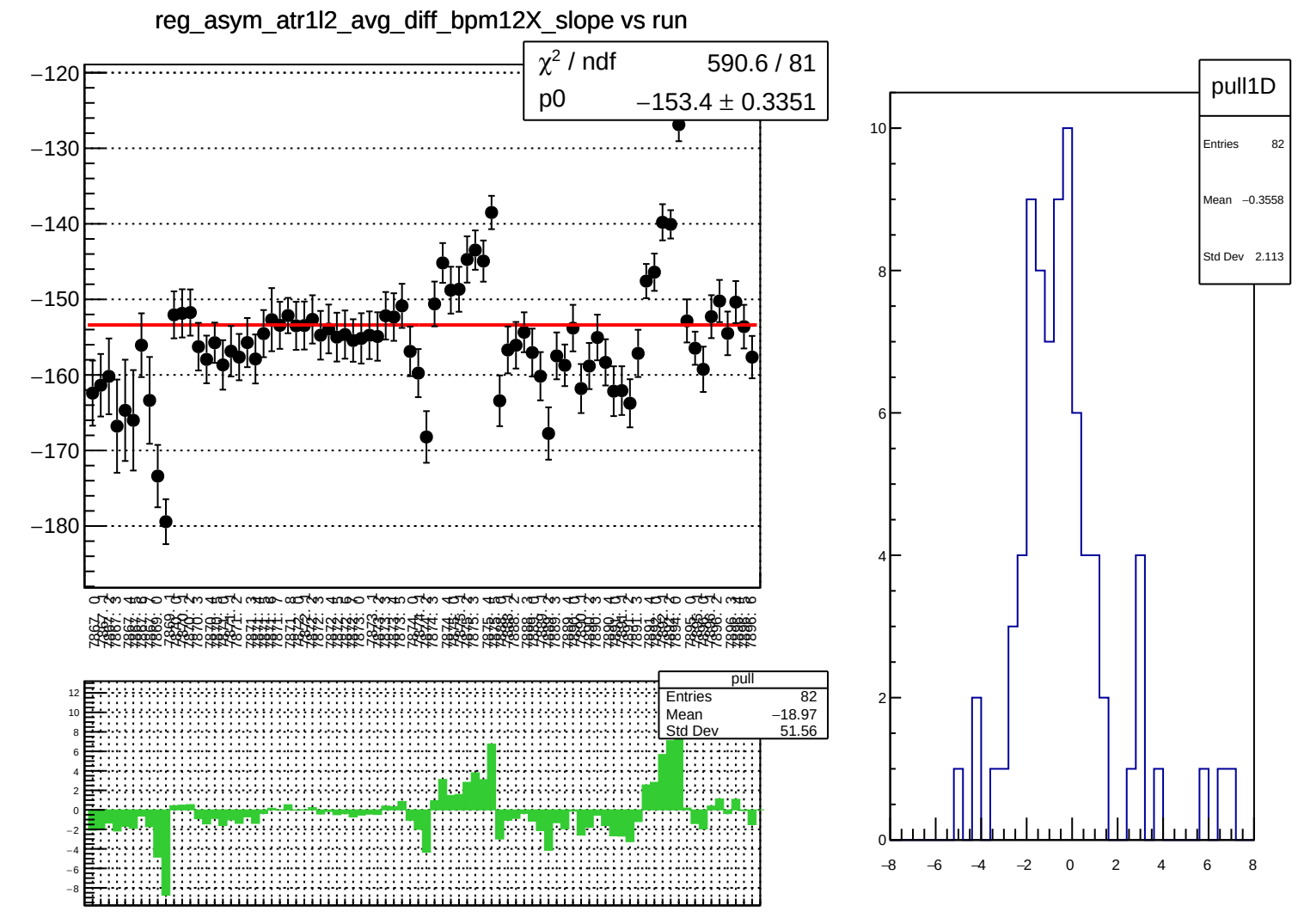

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 118.4 / 81
p0 −197.8 ± 8.089
pull
Entries 82
Mean 62.3
Std Dev 10.57
pull1D
Entries 82
Mean 0.3058
Std Dev 1.162

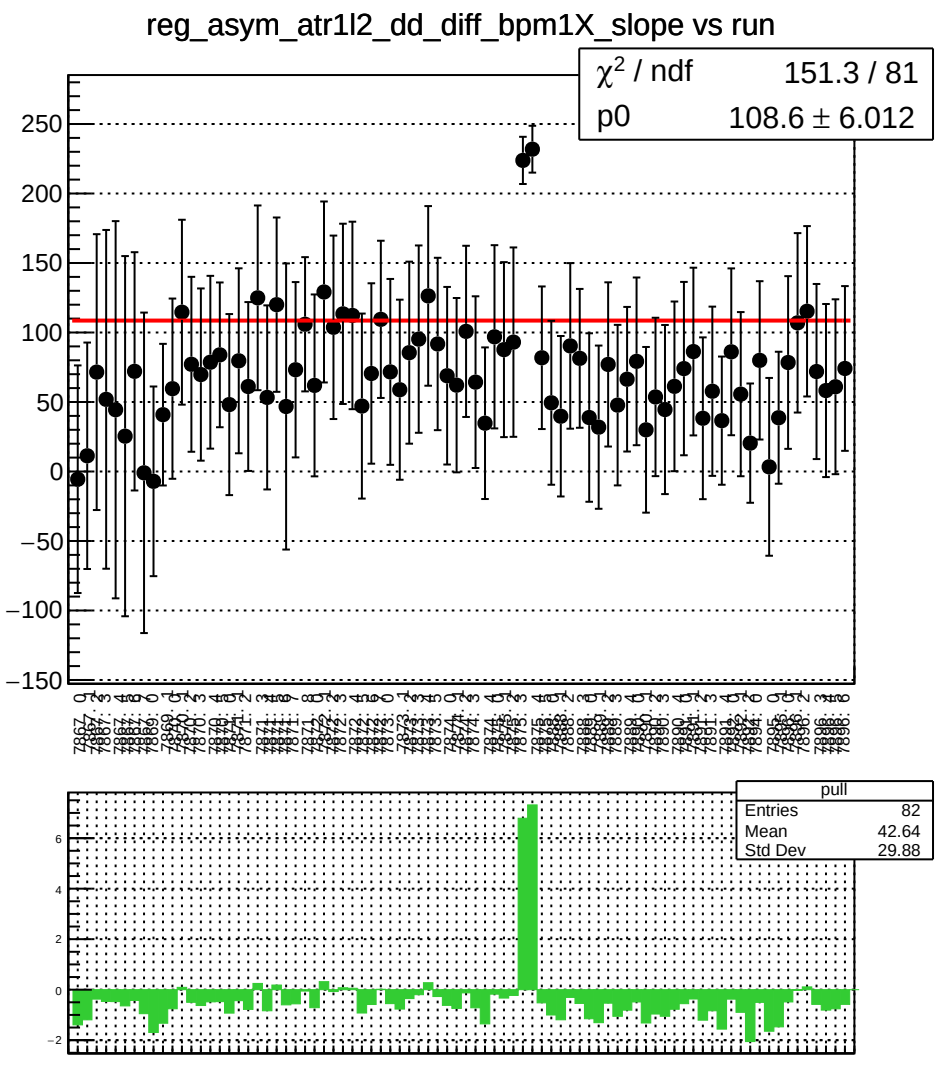

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.629 / 81
p0 31.8 ± 9.154
pull
Entries 82
Mean −33.8
Std Dev 67.5
pull1D
Entries 82
Mean 0.03404
Std Dev 0.3226

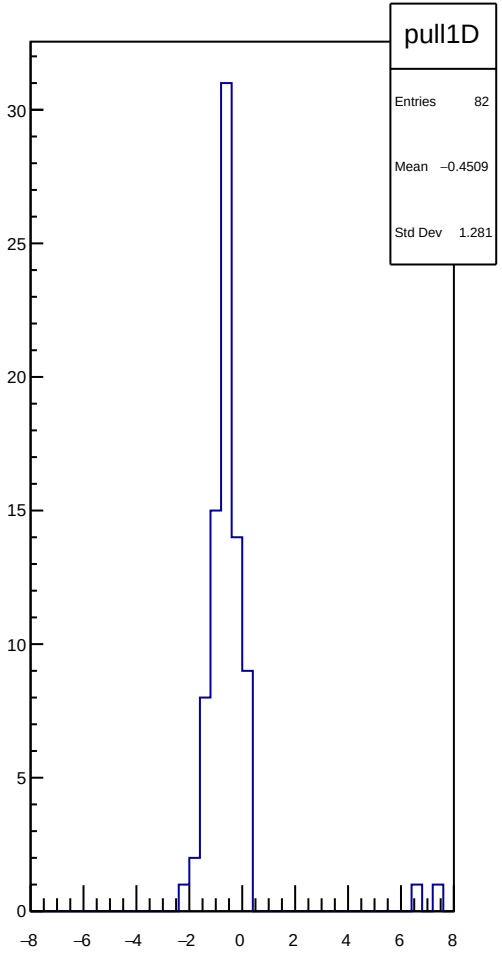

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 146 / 81
p0 127.4 ± 6.767
pull
Entries 82
Mean 57.69
Std Dev 18.09
pull1D
Entries 82
Mean −0.433
Std Dev 1.262

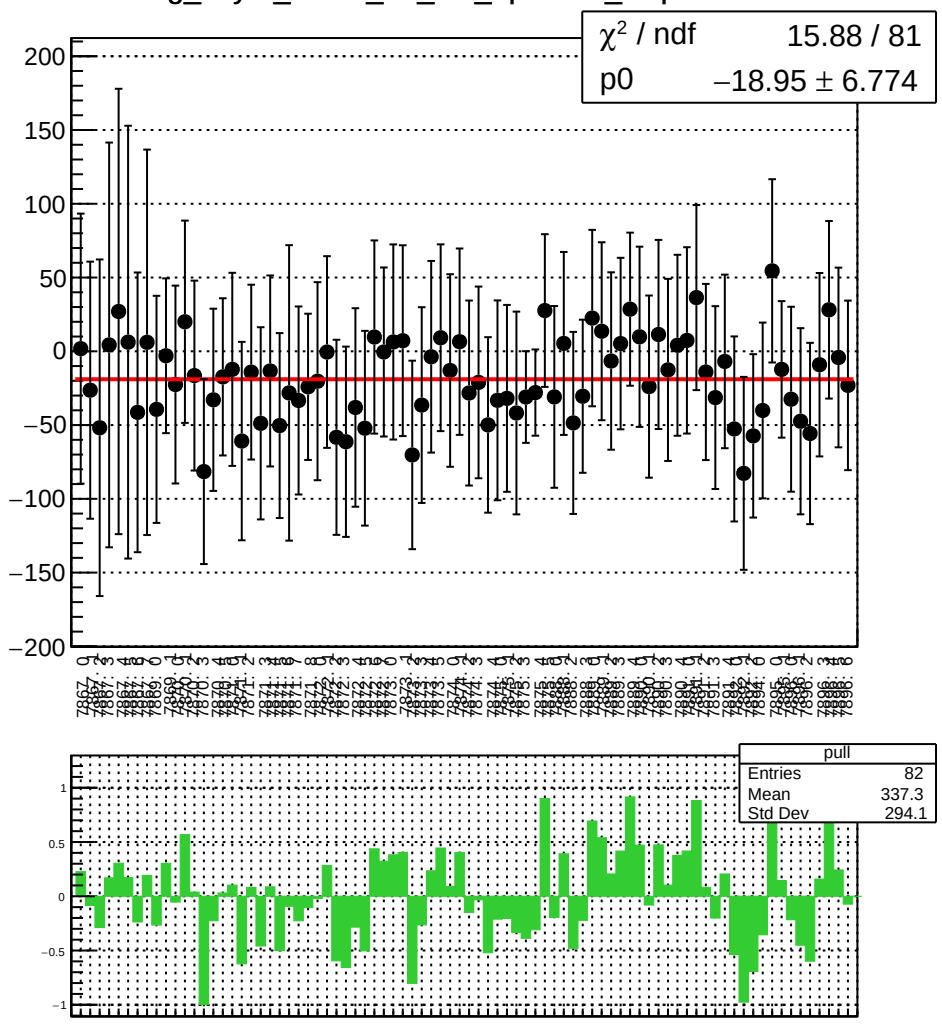

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.644 / 81
p0 29.32 ± 10.66
pull
Entries 82
Mean −57.29
Std Dev 93.03

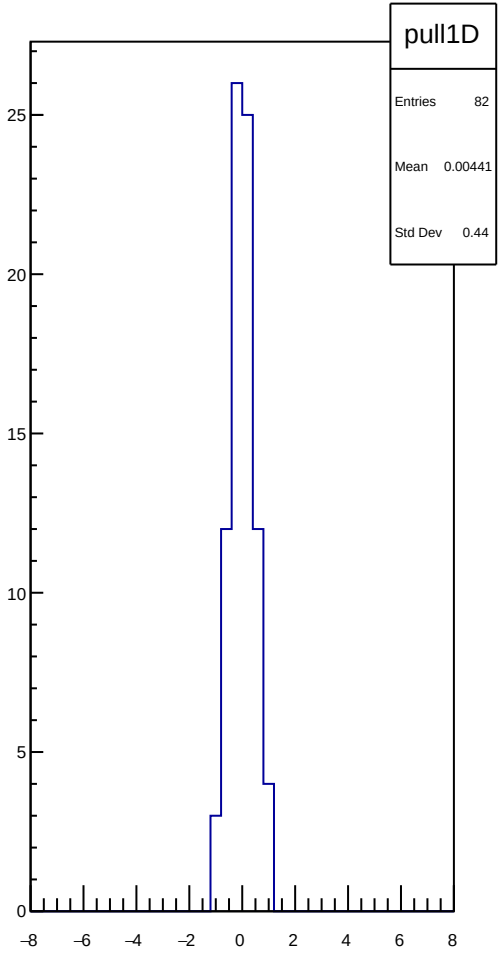

pull1D
Entries 82
Mean −0.02123
Std Dev 0.3046

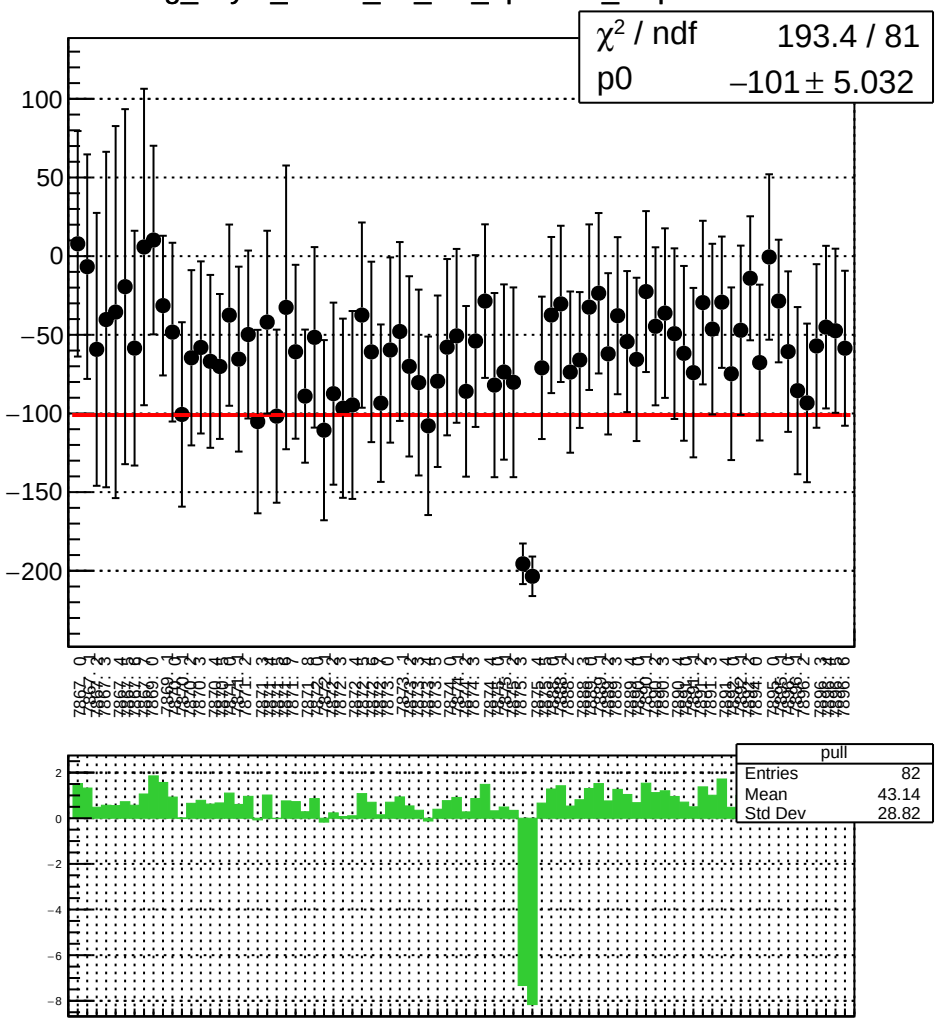

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 590.6 / 81
p0 −153.4 ± 0.3351
−120
−130
−140
−150
−160
−170
−180
pull
Entries 82
Mean −18.97
Std Dev 51.56
pull1D
Entries 82
Mean −0.3558
Std Dev 2.113

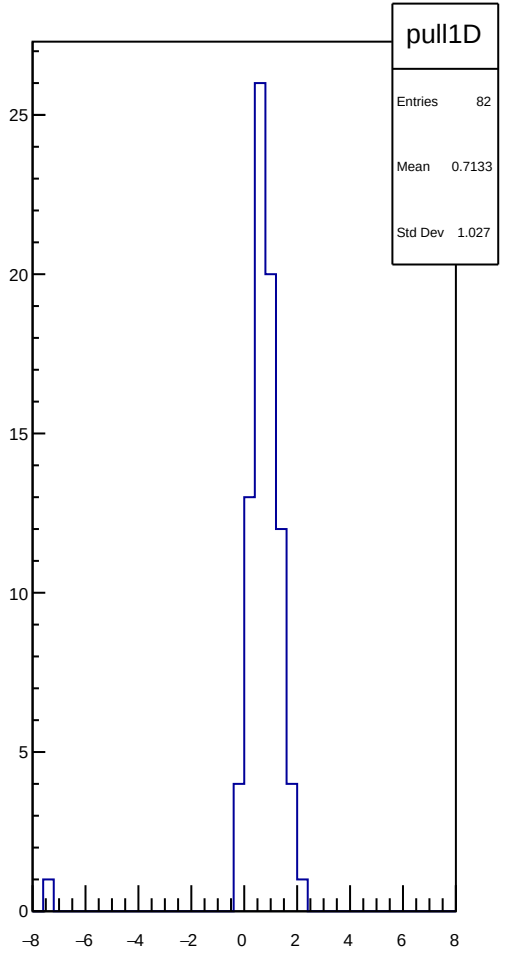

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 151.3 / 81
p0 108.6 ± 6.012
pull
Entries 82
Mean 42.64
Std Dev 29.88

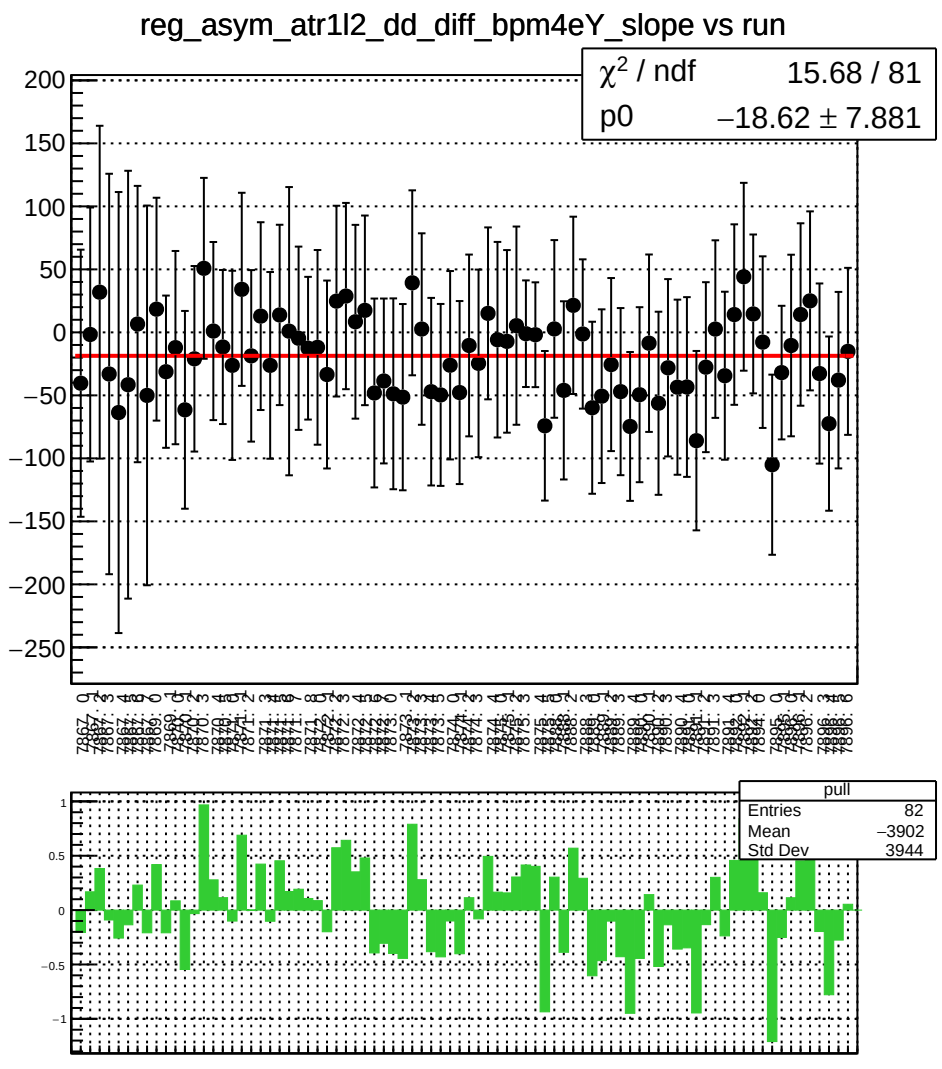

pull1D
Entries 82
Mean −0.4509
Std Dev 1.281

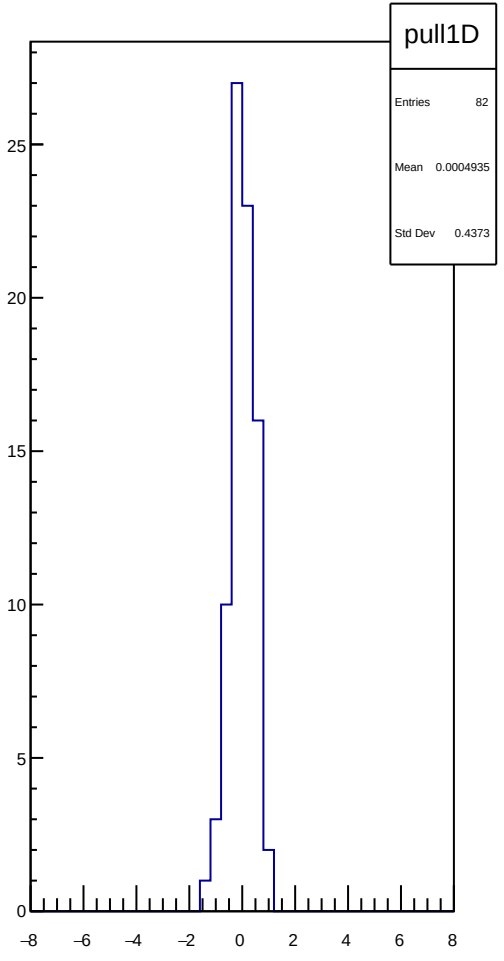

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.88 / 81
p0 −18.95 ± 6.774
pull
Entries 82
Mean 337.3
Std Dev 294.1

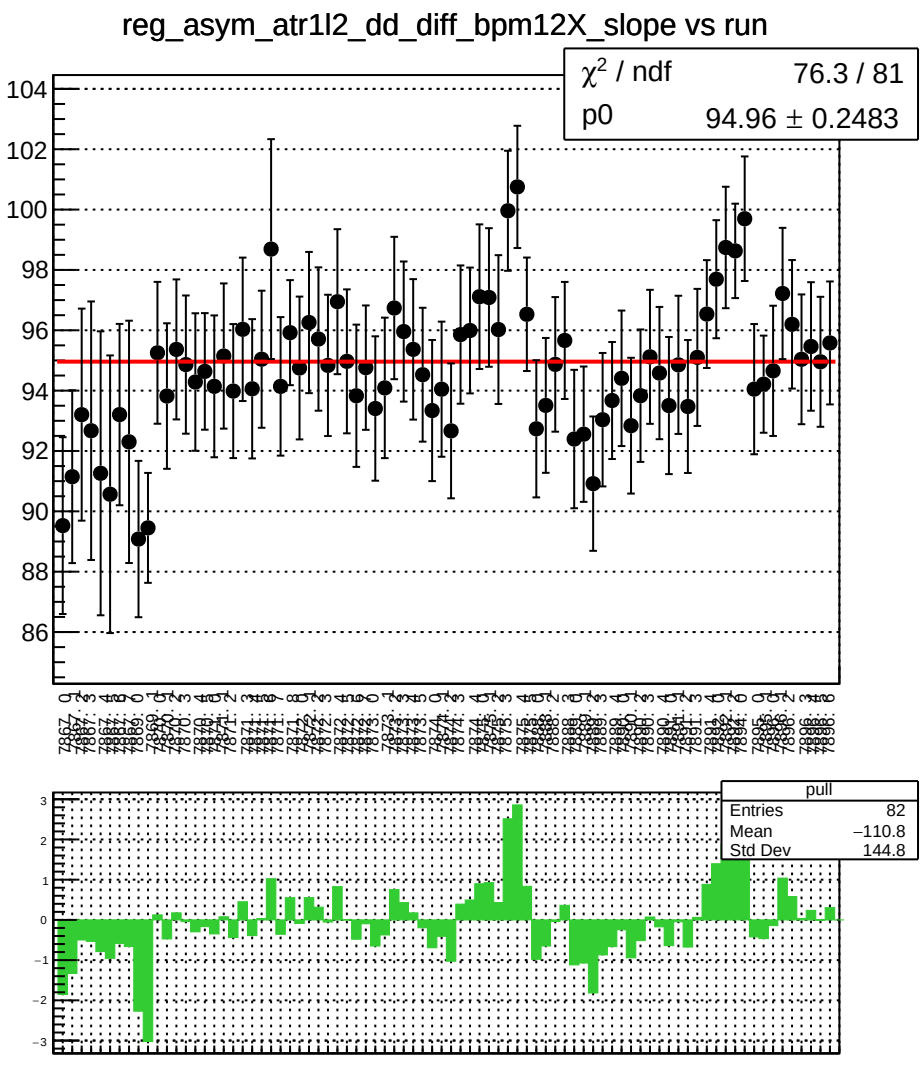

pull1D
Entries 82
Mean 0.00441
Std Dev 0.44

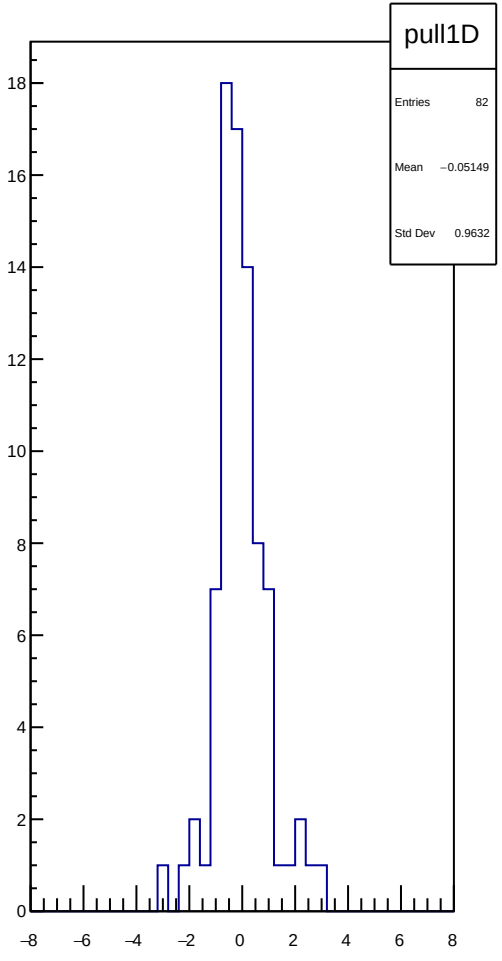

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 193.4 / 81
p0 −101 ± 5.032
pull
Entries 82
Mean 43.14
Std Dev 28.82

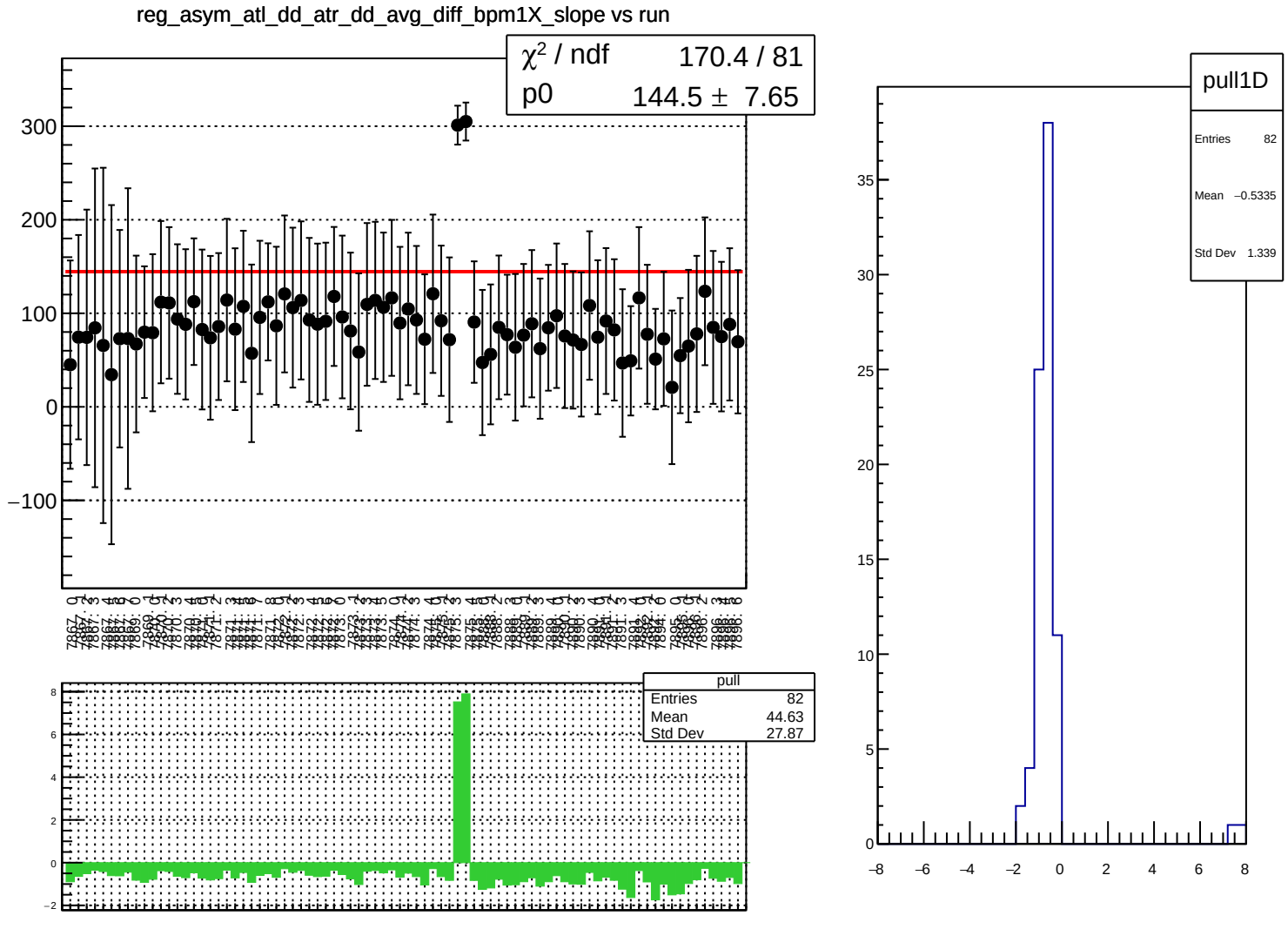

pull1D
Entries 82
Mean 0.7133
Std Dev 1.027

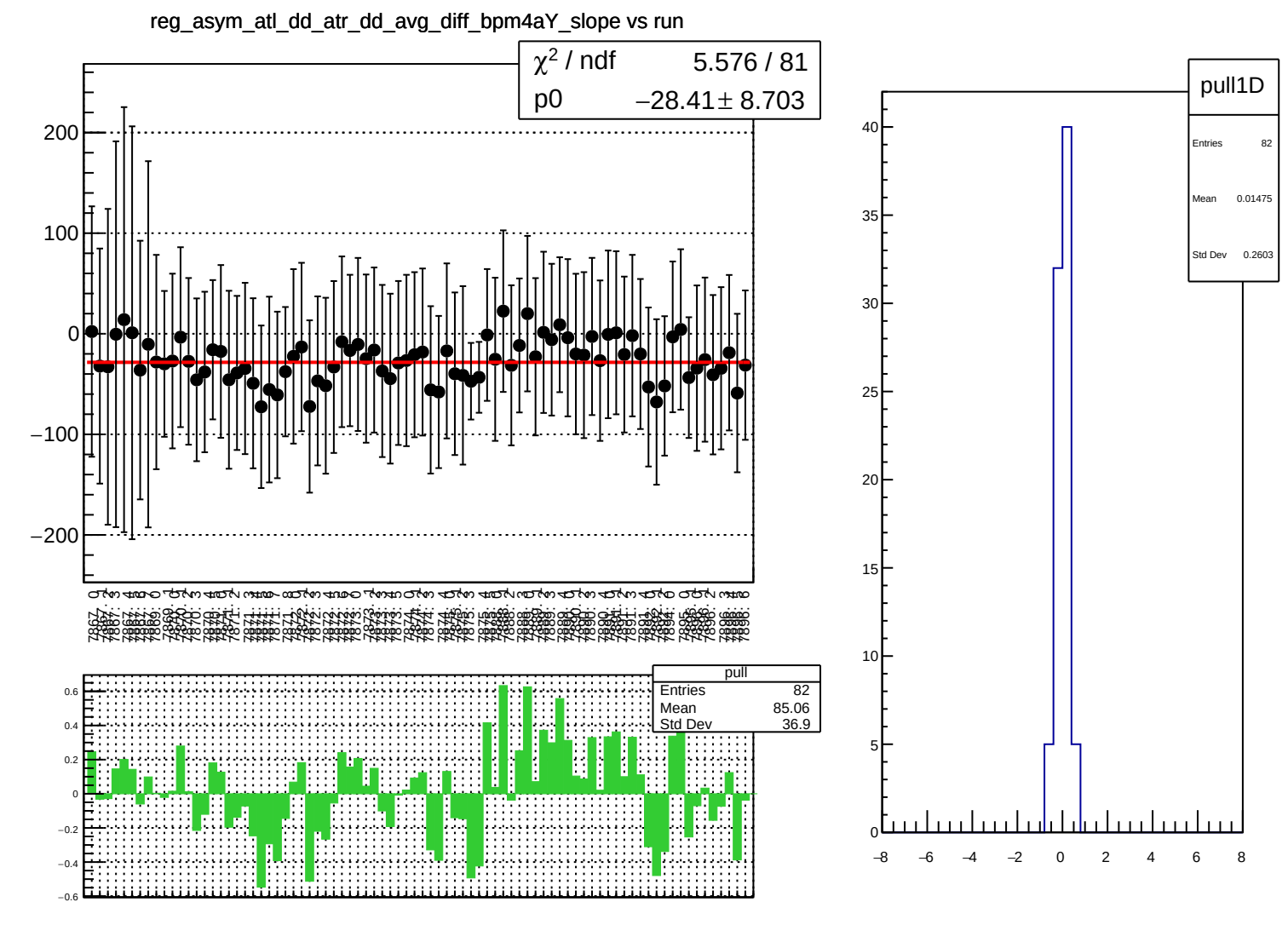

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.68 / 81
p0 −18.62 ± 7.881
pull
Entries 82
Mean −3902
Std Dev 3944

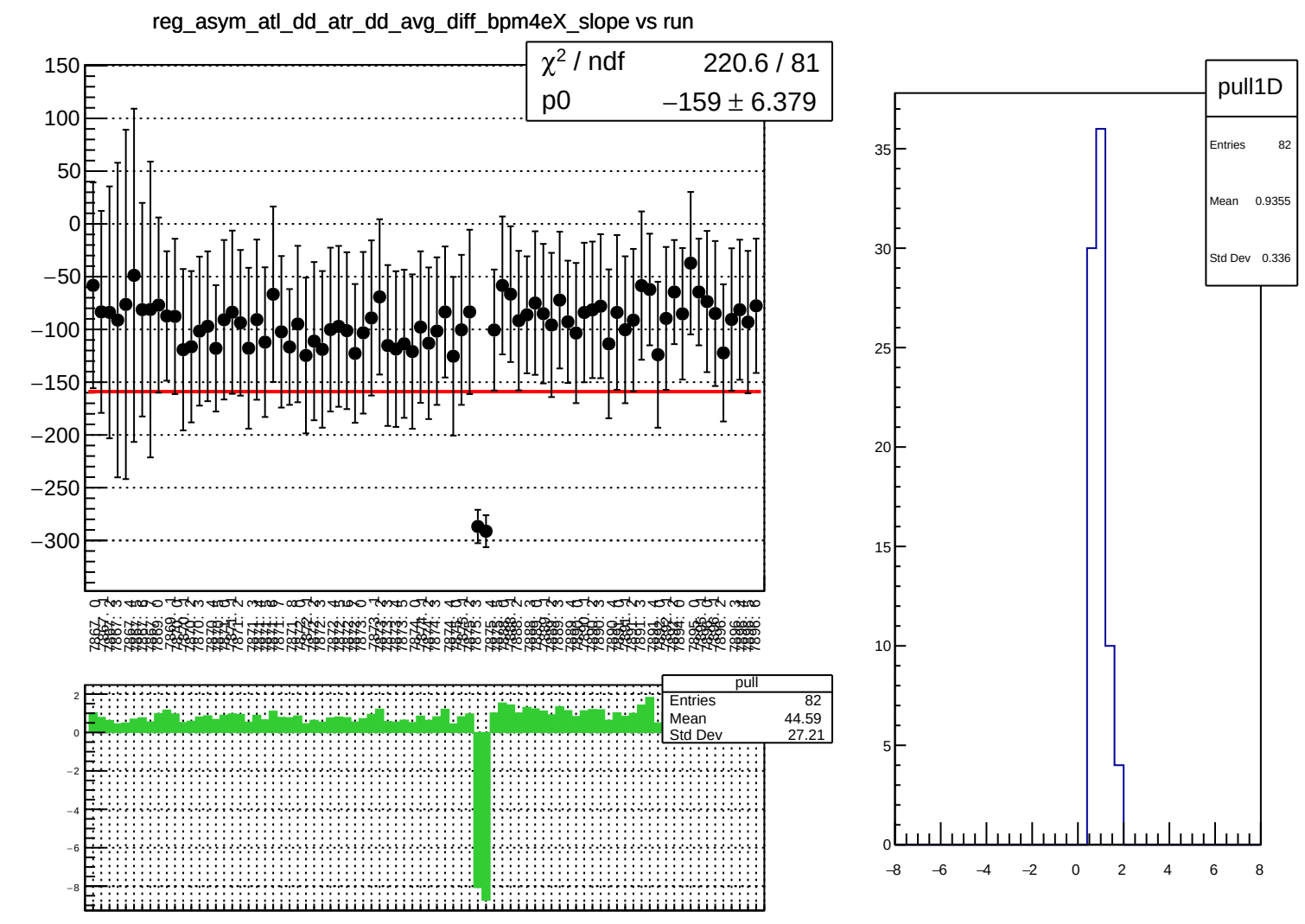

pull1D
Entries 82
Mean 0.0004935
Std Dev 0.4373

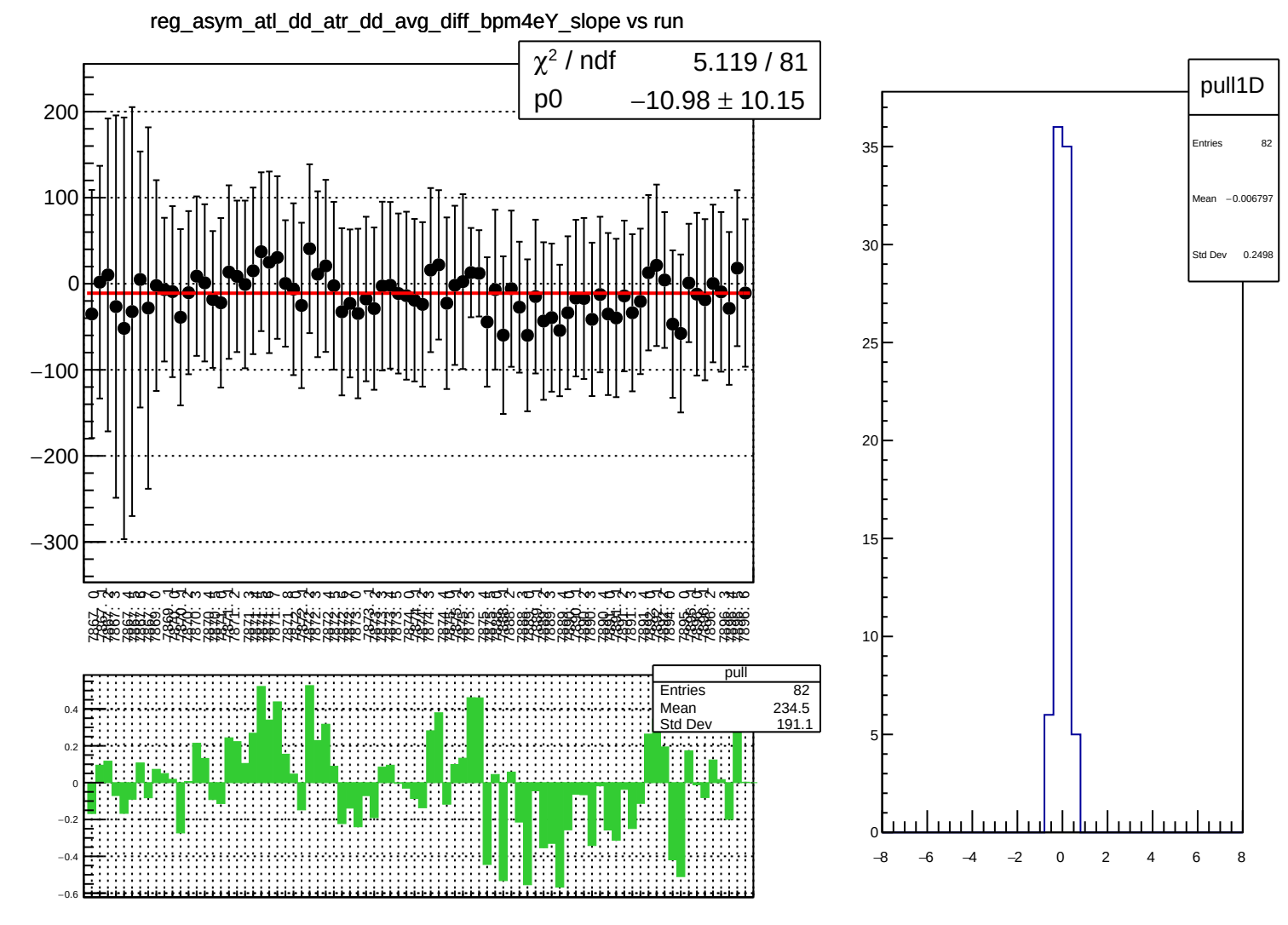

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 76.3 / 81
p0 94.96 ± 0.2483
pull
Entries 82
Mean −110.8
Std Dev 144.8

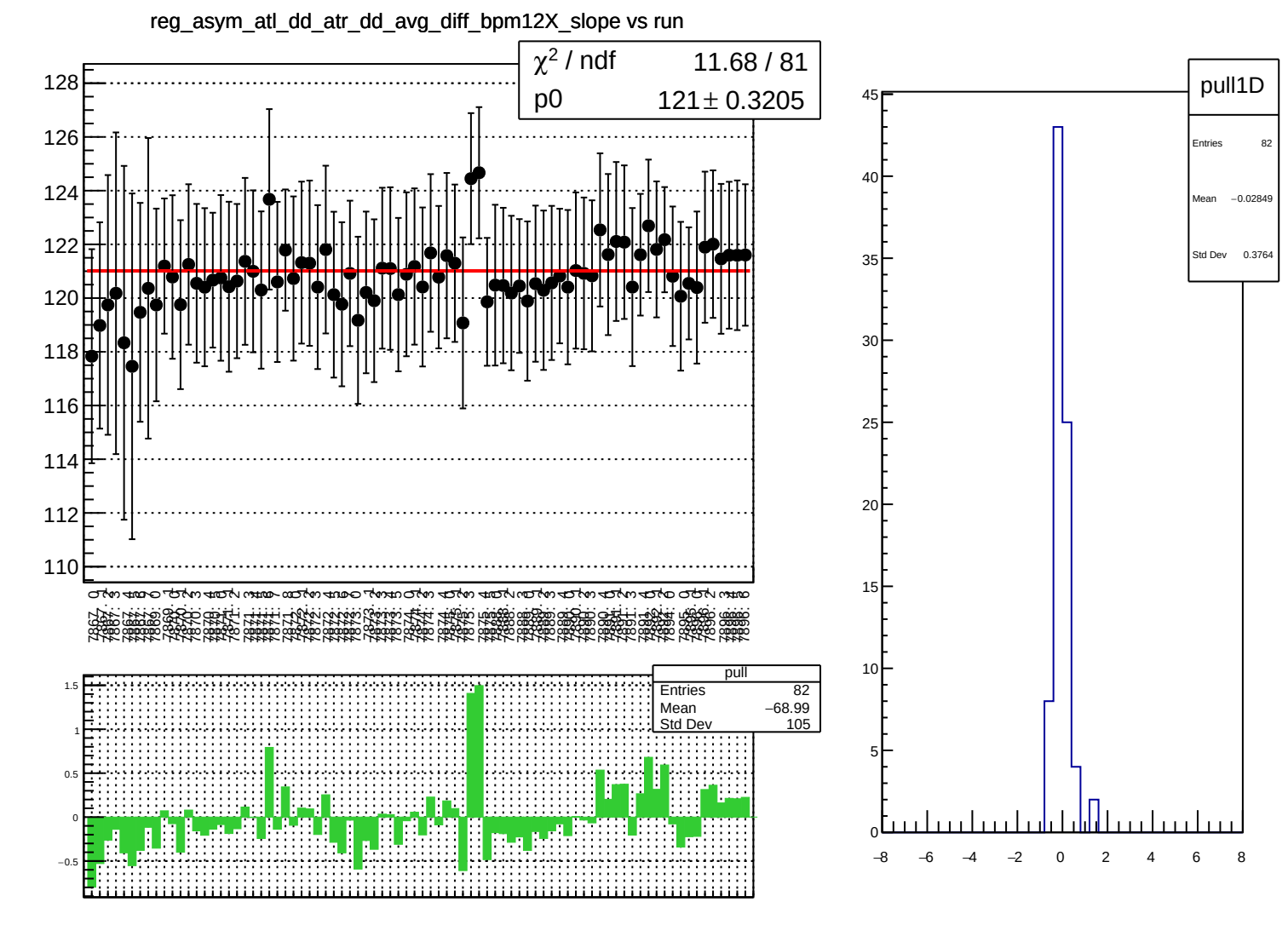

pull1D
Entries 82
Mean −0.05149
Std Dev 0.9632

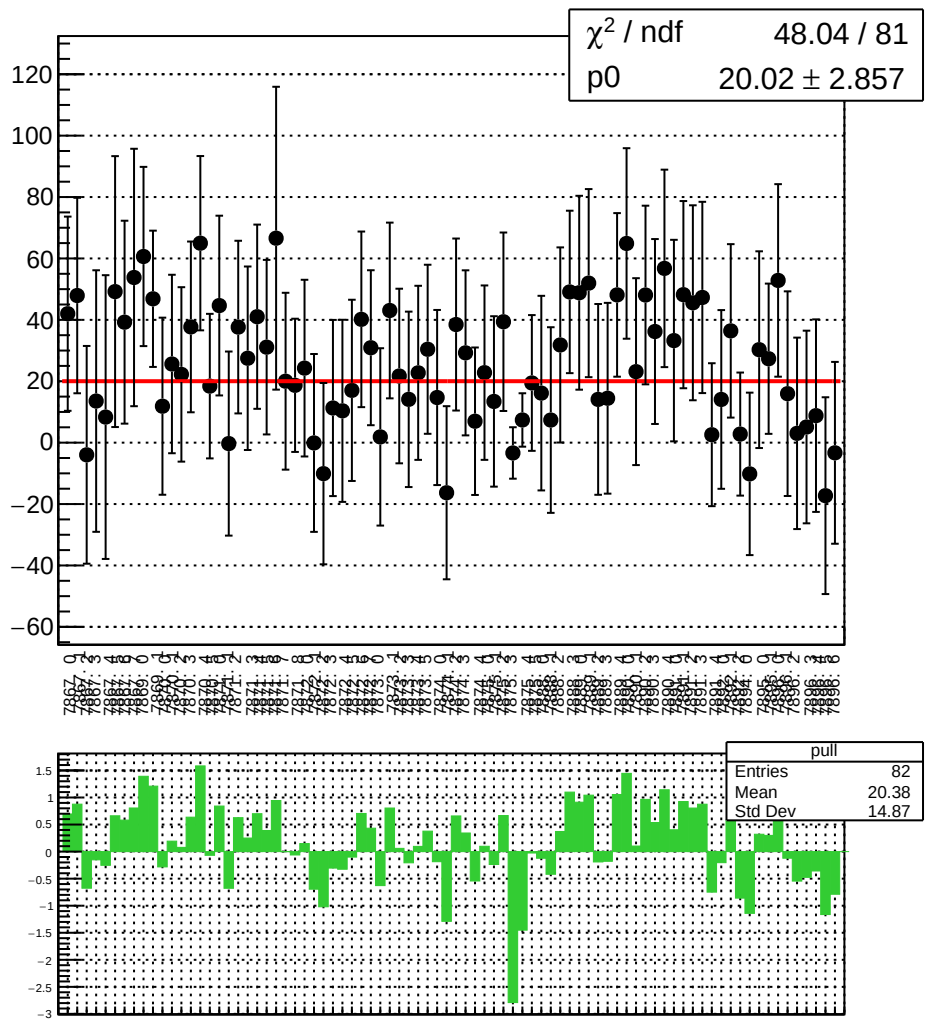

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 170.4 / 81
p0 144.5 ± 7.65
300
200
100
0
−100
pull
Entries 82
Mean 44.63
Std Dev 27.87
8
6
4
2
0
−2
pull1D
Entries 82
Mean −0.5335
Std Dev 1.339
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

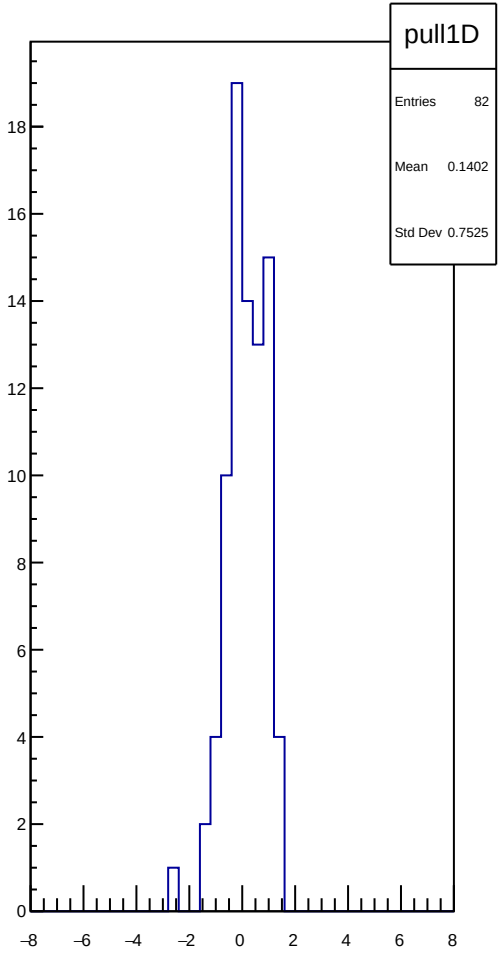

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.576 / 81
p0 −28.41 ± 8.703
pull
Entries 82
Mean 85.06
Std Dev 36.9
pull1D
Entries 82
Mean 0.01475
Std Dev 0.2603

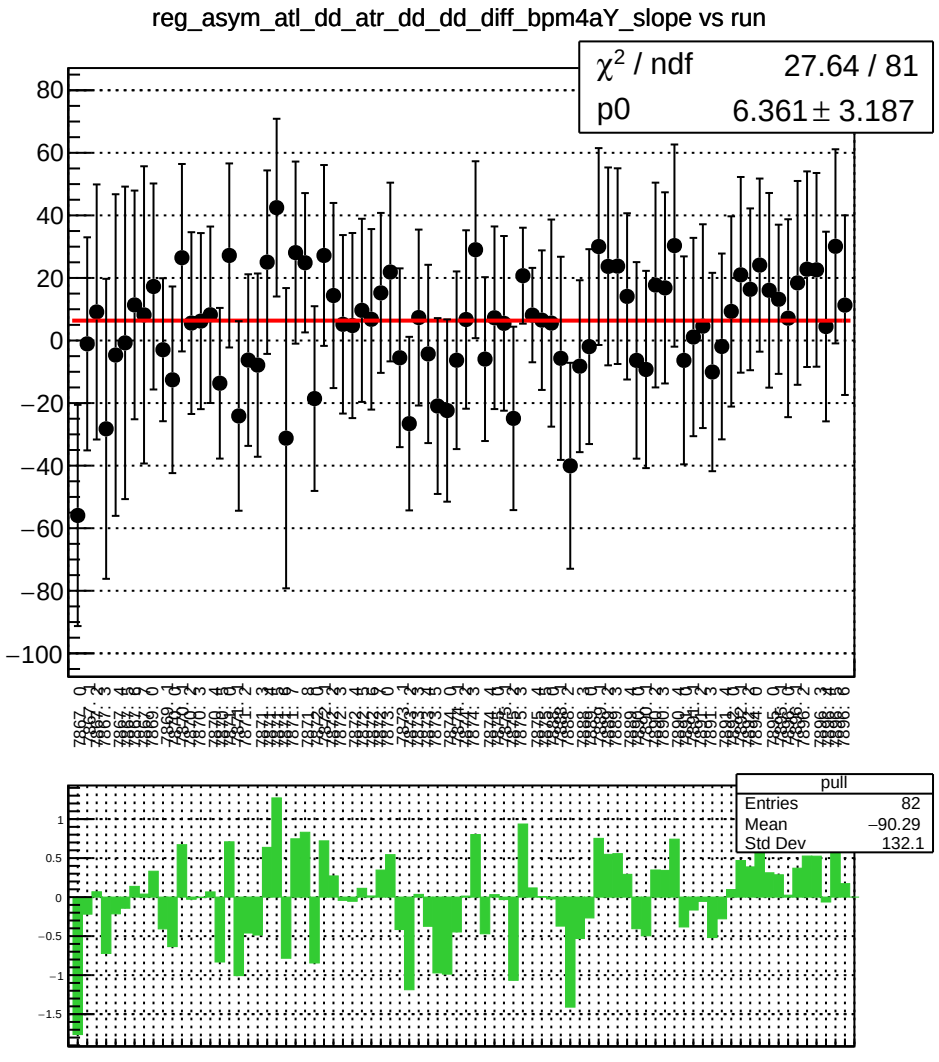

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 220.6 / 81
p0 −159 ± 6.379
pull
Entries 82
Mean 44.59
Std Dev 27.21
pull1D
Entries 82
Mean 0.9355
Std Dev 0.336

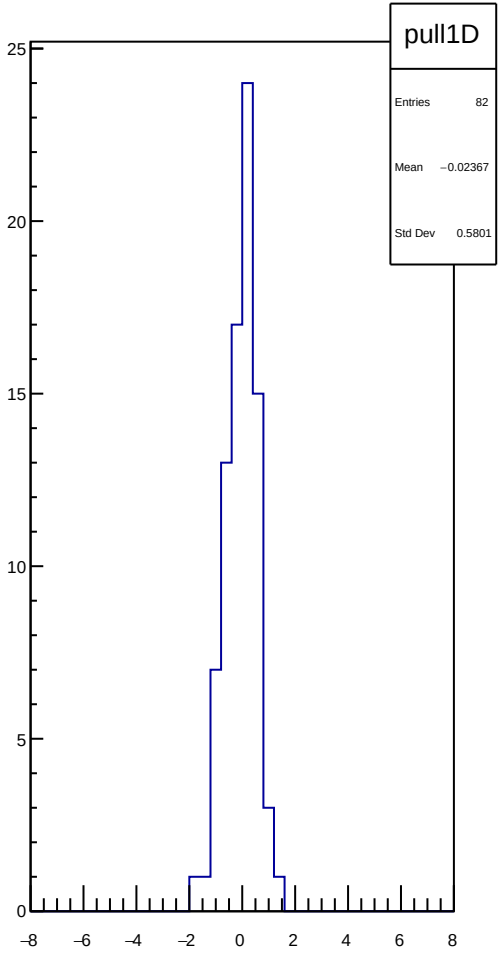

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.119 / 81
p0 −10.98 ± 10.15
pull
Entries 82
Mean 234.5
Std Dev 191.1
pull1D
Entries 82
Mean −0.006797
Std Dev 0.2498

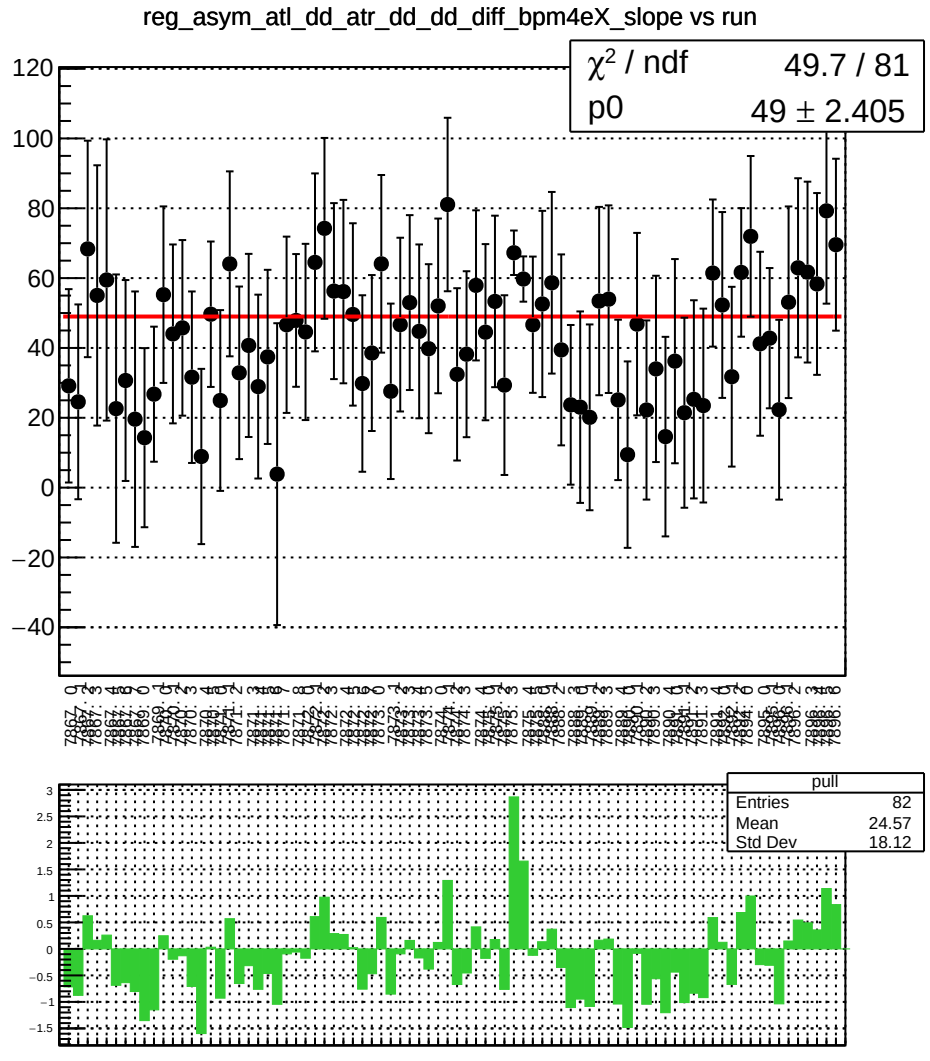

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 11.68 / 81
p0 121 ± 0.3205
pull
Entries 82
Mean −68.99
Std Dev 105
pull1D
Entries 82
Mean −0.02849
Std Dev 0.3764

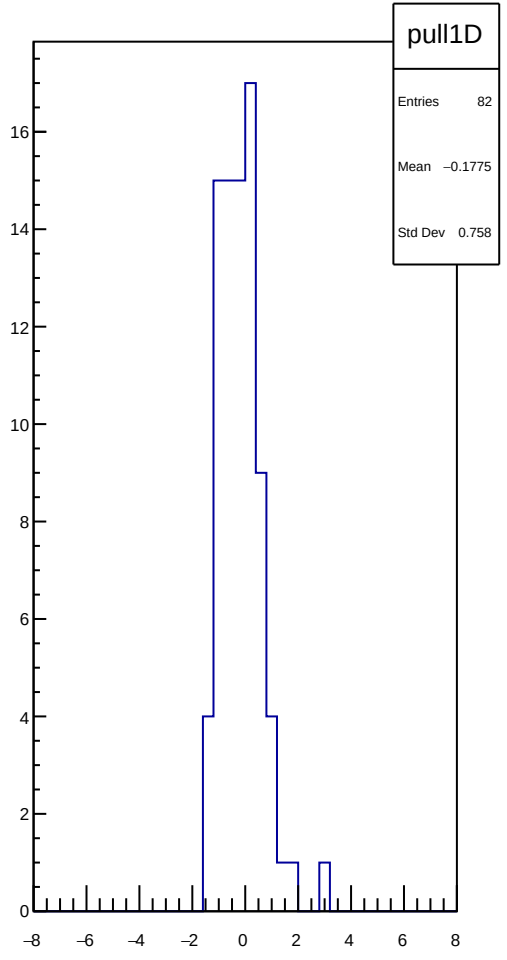

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 48.04 / 81
p0 20.02 ± 2.857
pull
Entries 82
Mean 20.38
Std Dev 14.87

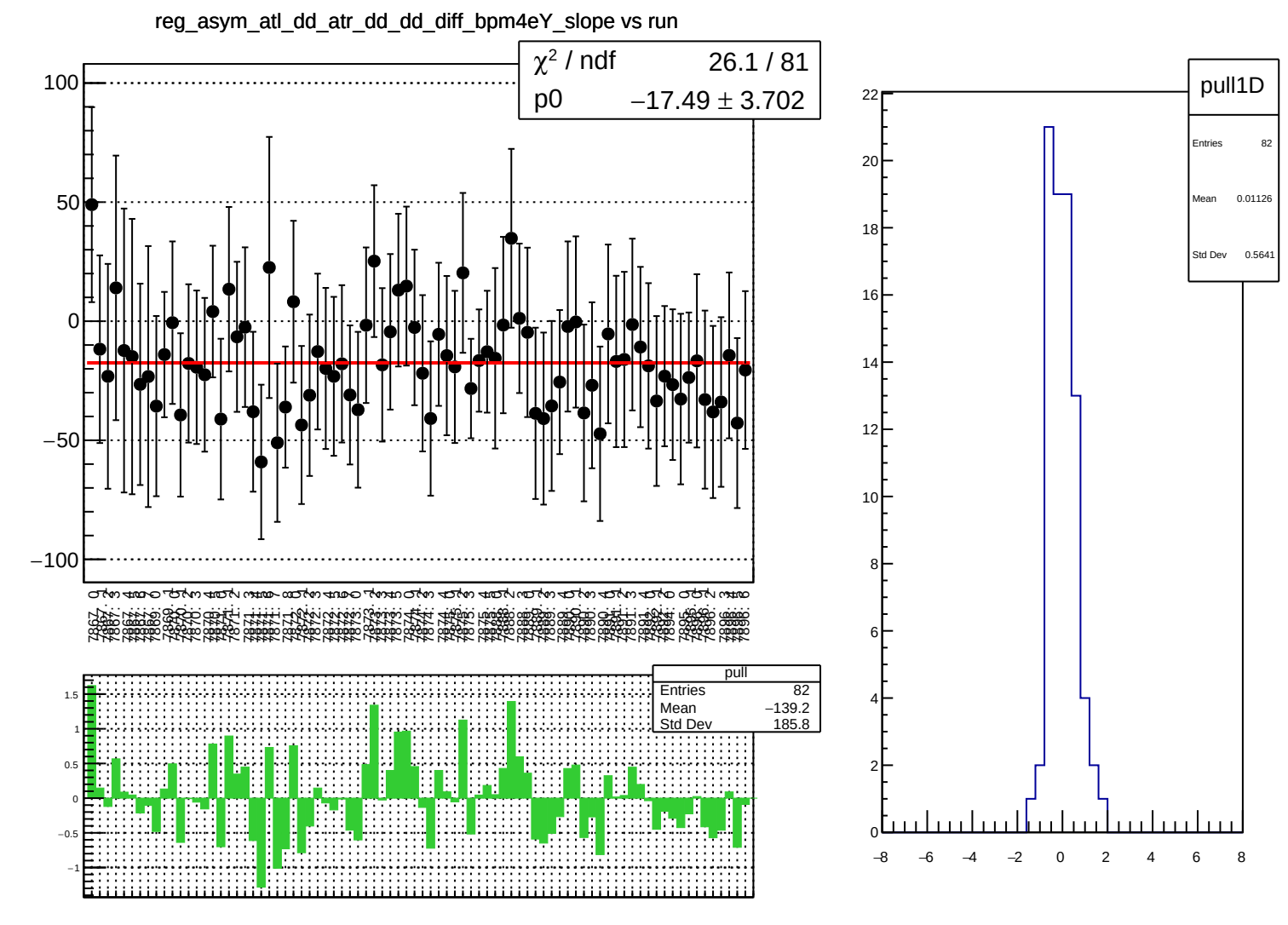

pull1D
Entries 82
Mean 0.1402
Std Dev 0.7525

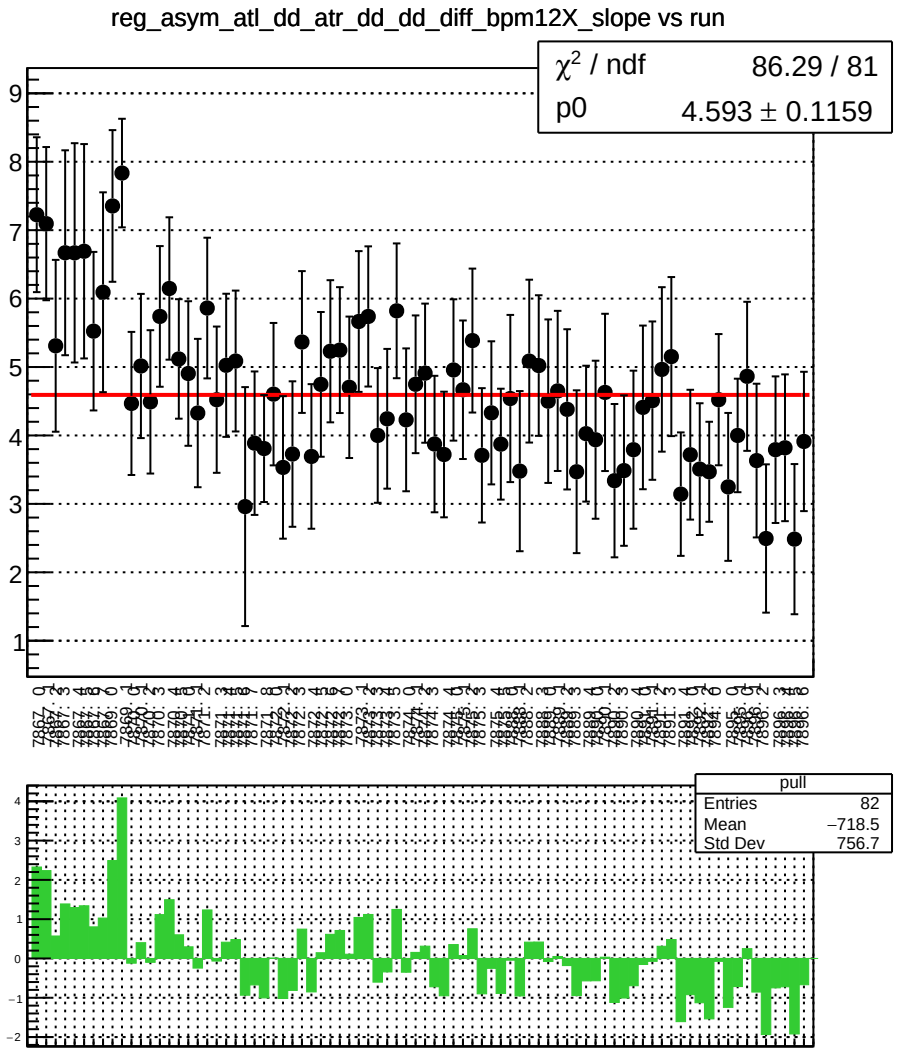

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.64 / 81
p0 6.361 ± 3.187
pull
Entries 82
Mean −90.29
Std Dev 132.1

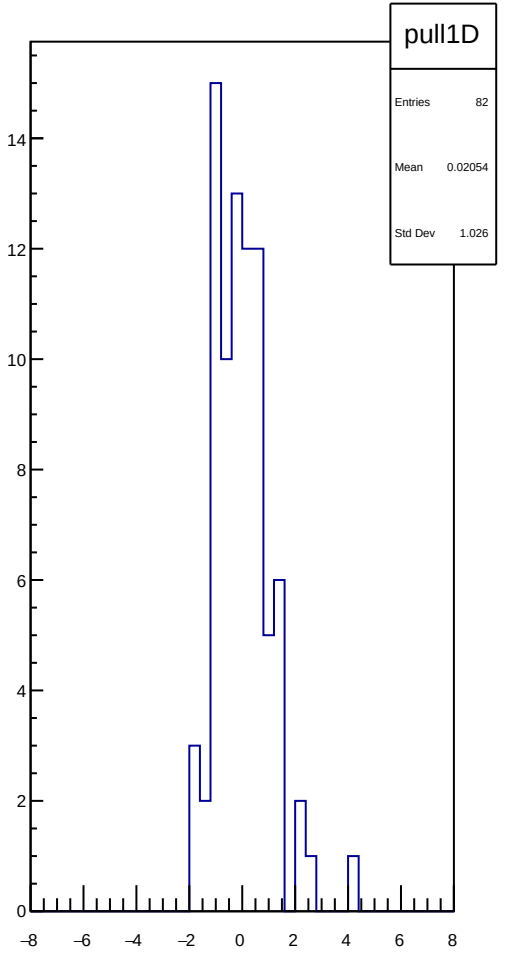

pull1D
Entries 82
Mean −0.02367
Std Dev 0.5801

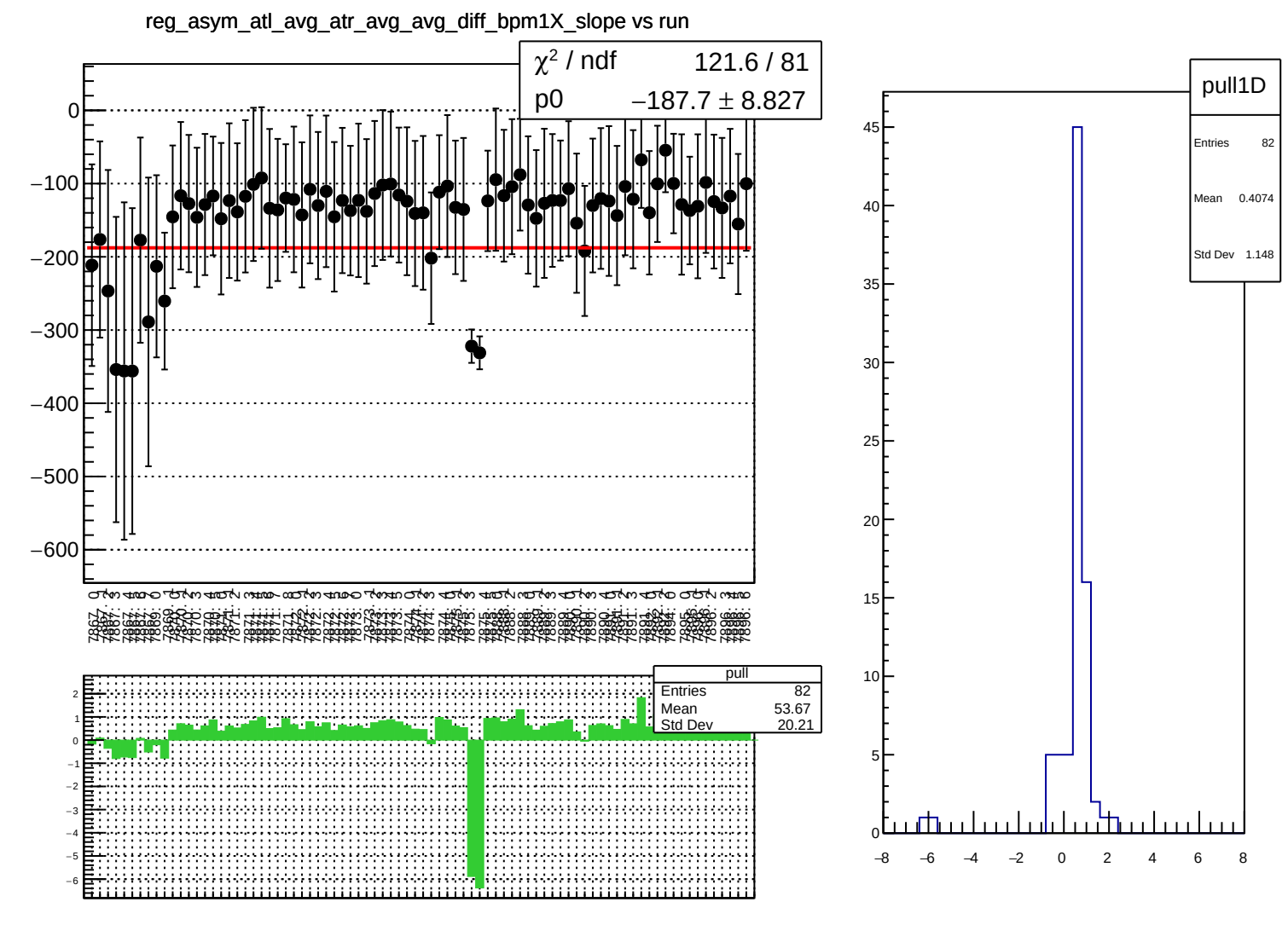

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.7 / 81
p0 49 ± 2.405
pull
Entries 82
Mean 24.57
Std Dev 18.12

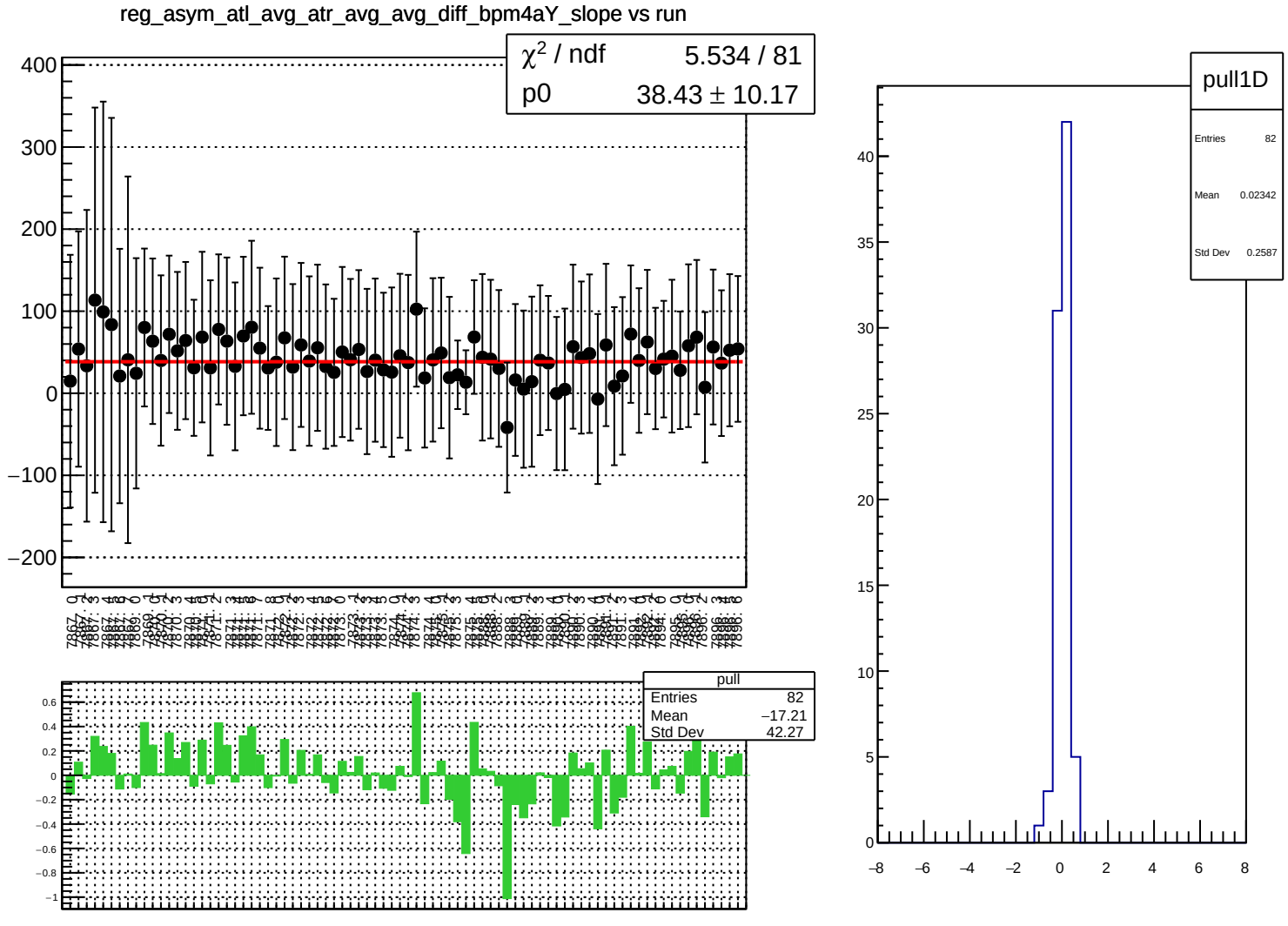

pull1D
Entries 82
Mean −0.1775
Std Dev 0.758

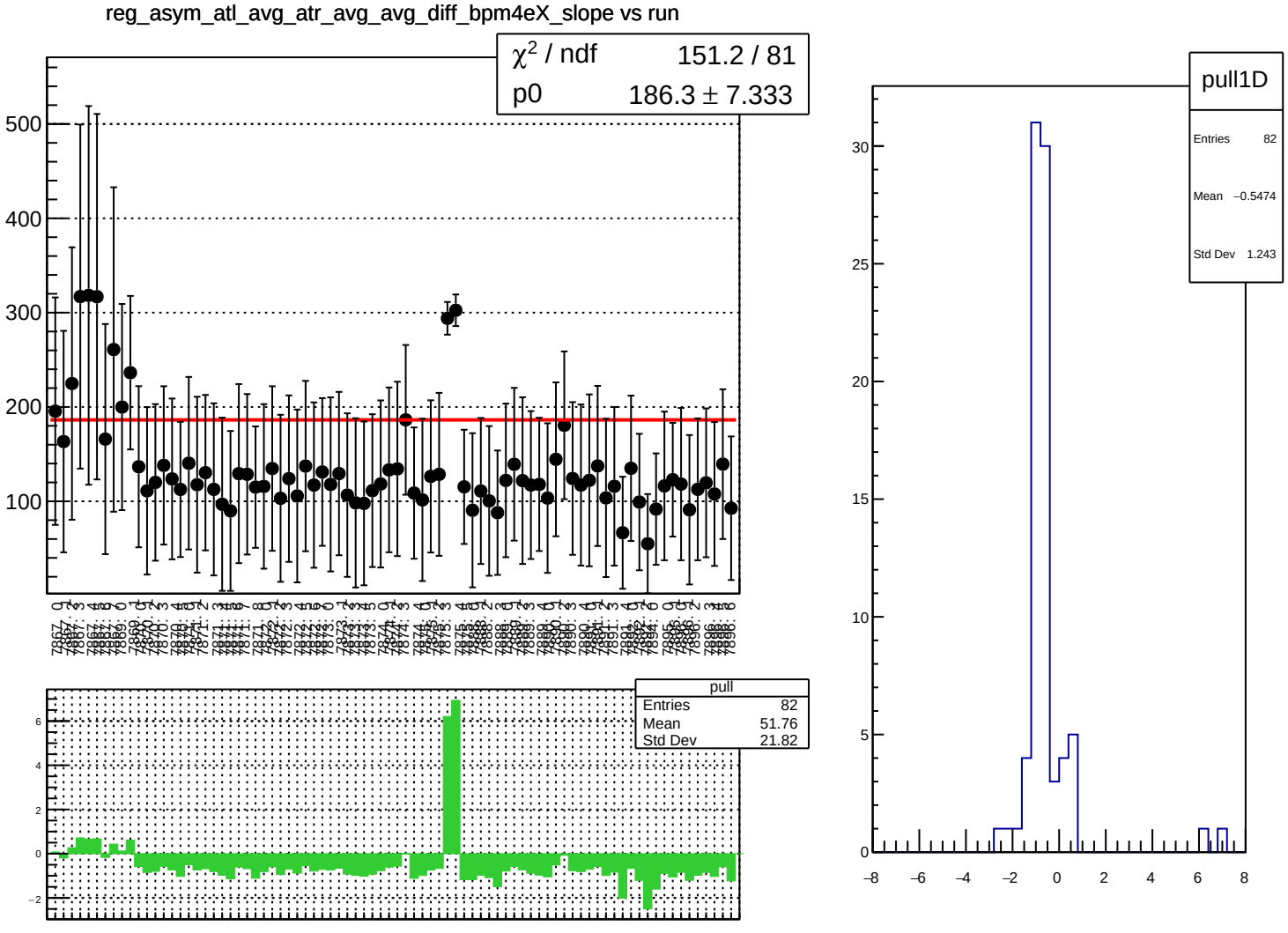

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.1 / 81
p0 −17.49 ± 3.702
pull
Entries 82
Mean −139.2
Std Dev 185.8
pull1D
Entries 82
Mean 0.01126
Std Dev 0.5641

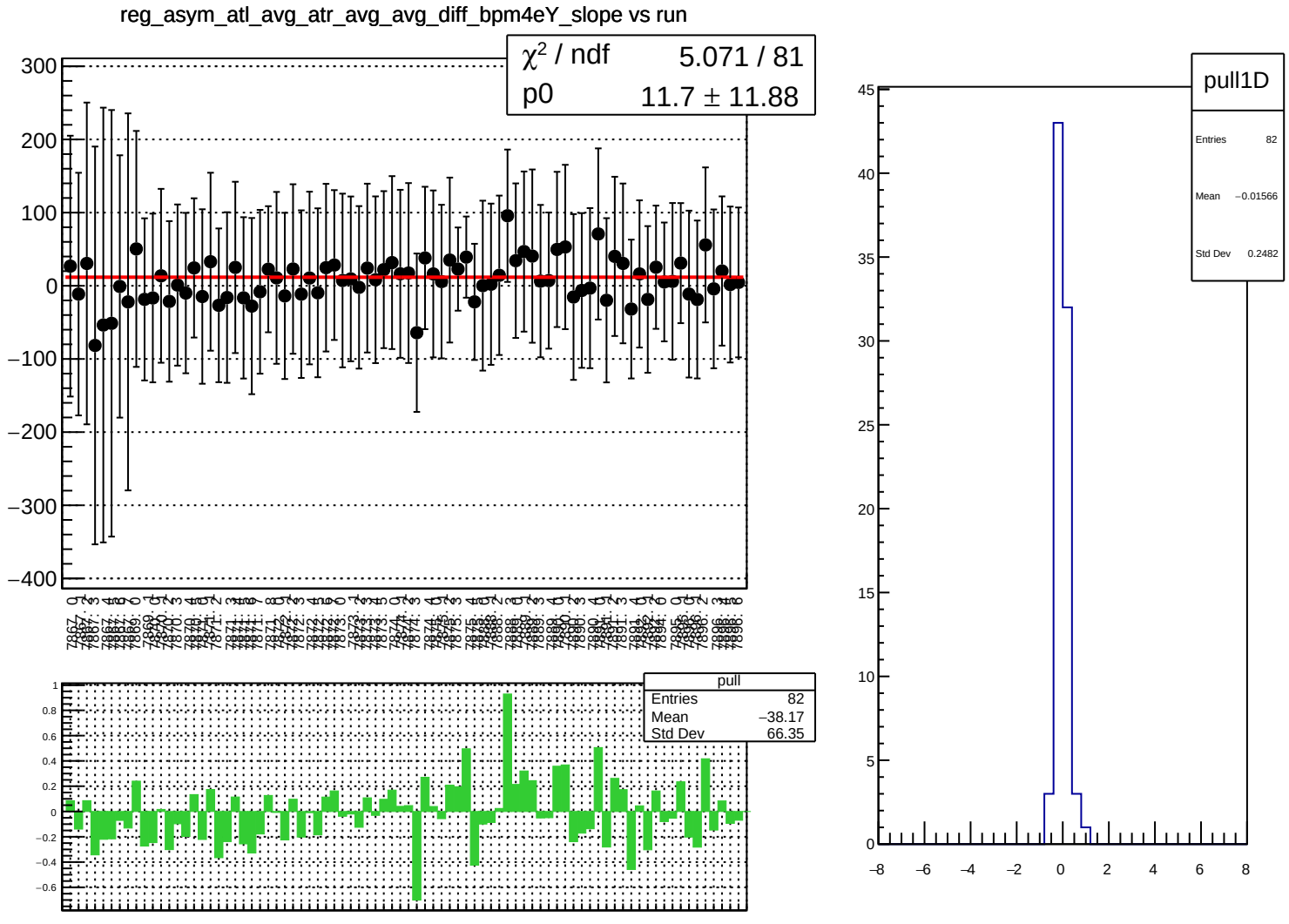

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 86.29 / 81
p0 4.593 ± 0.1159
pull
Entries 82
Mean −718.5
Std Dev 756.7

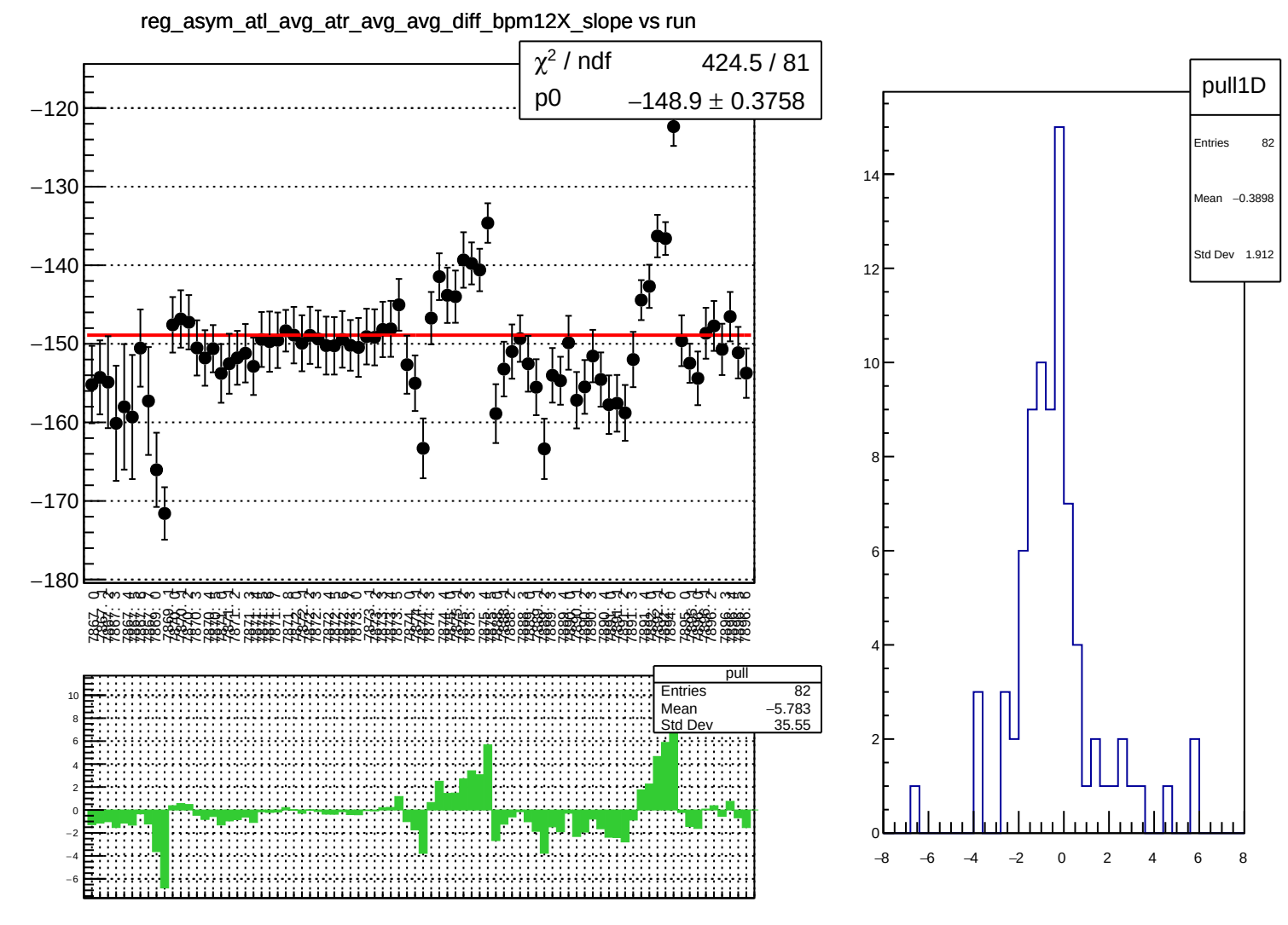

pull1D
Entries 82
Mean 0.02054
Std Dev 1.026

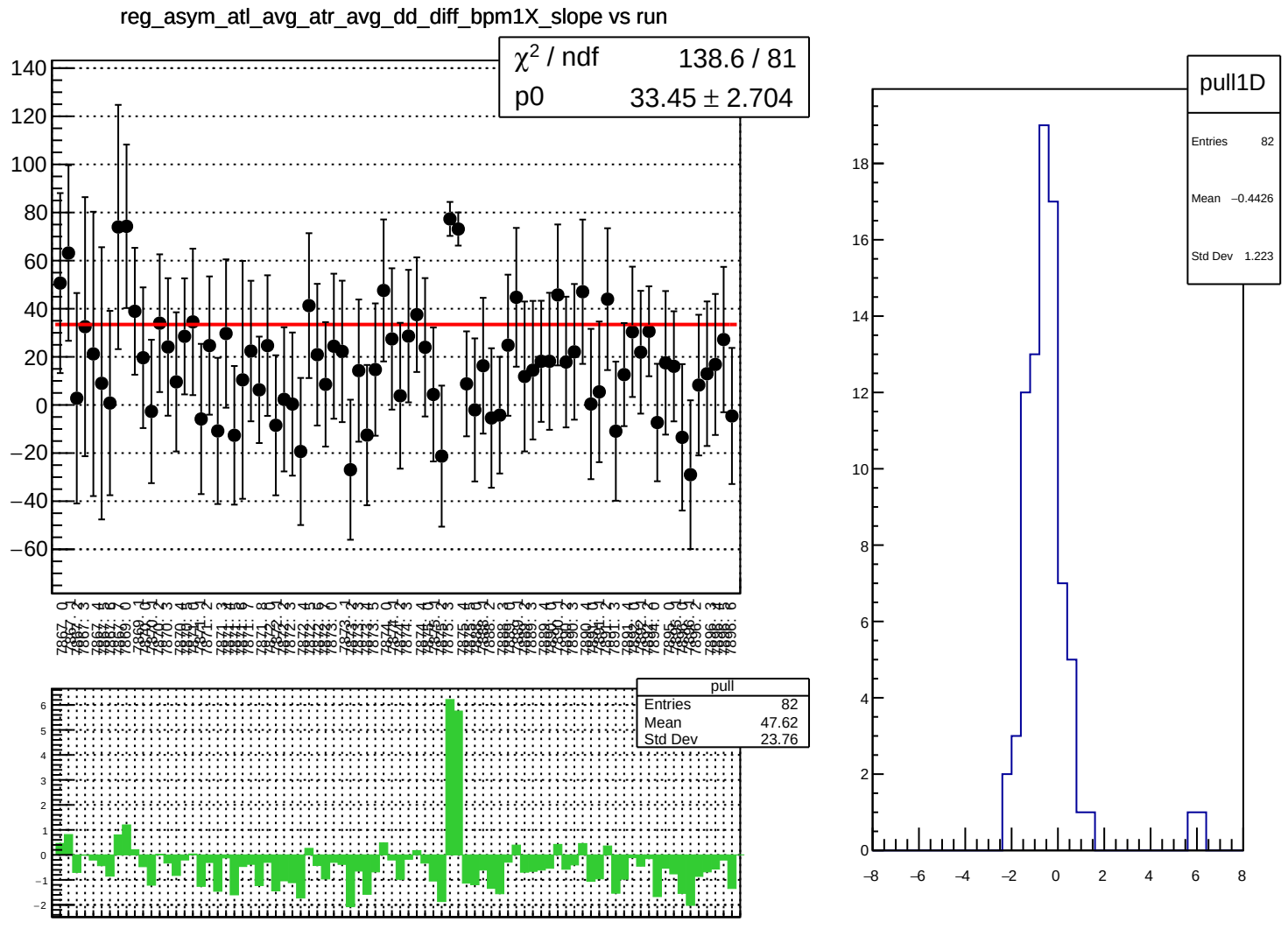

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 121.6 / 81
p0 −187.7 ± 8.827
pull
Entries 82
Mean 53.67
Std Dev 20.21
pull1D
Entries 82
Mean 0.4074
Std Dev 1.148

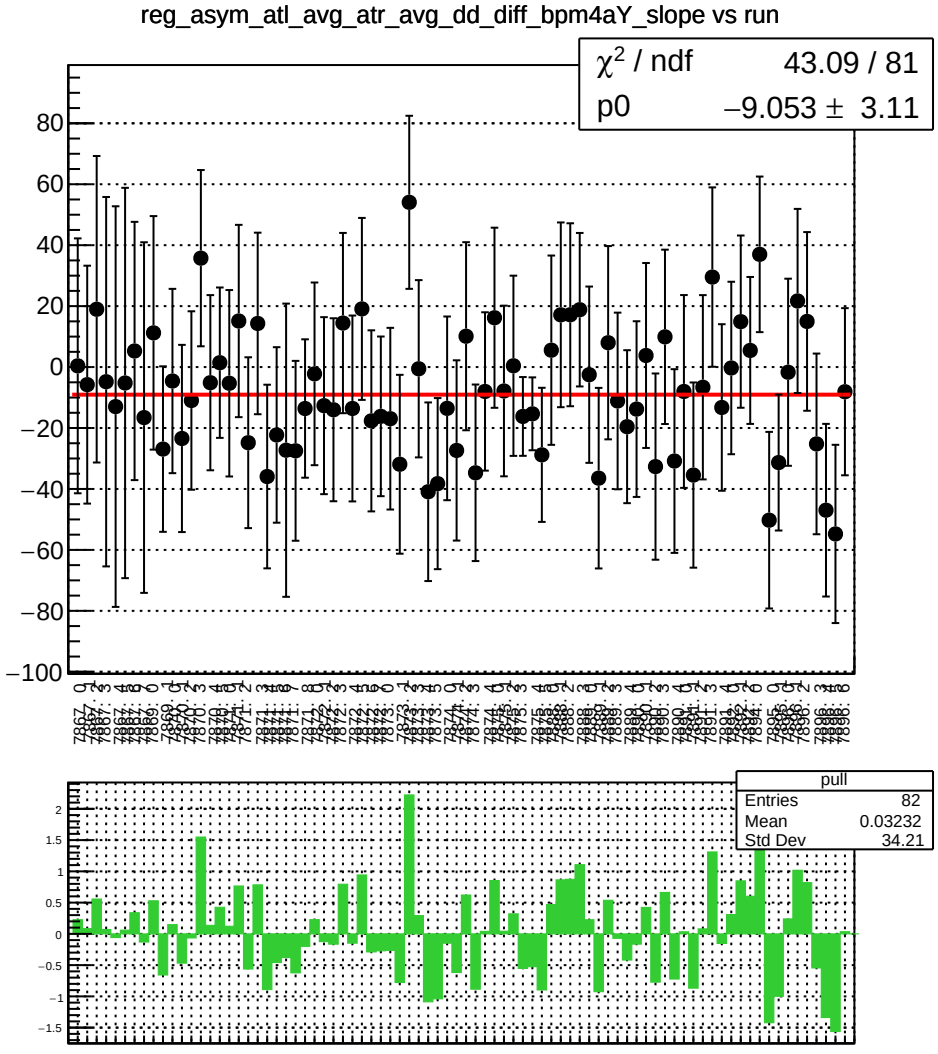

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.534 / 81
p0 38.43 ± 10.17
pull
Entries 82
Mean −17.21
Std Dev 42.27
pull1D
Entries 82
Mean 0.02342
Std Dev 0.2587

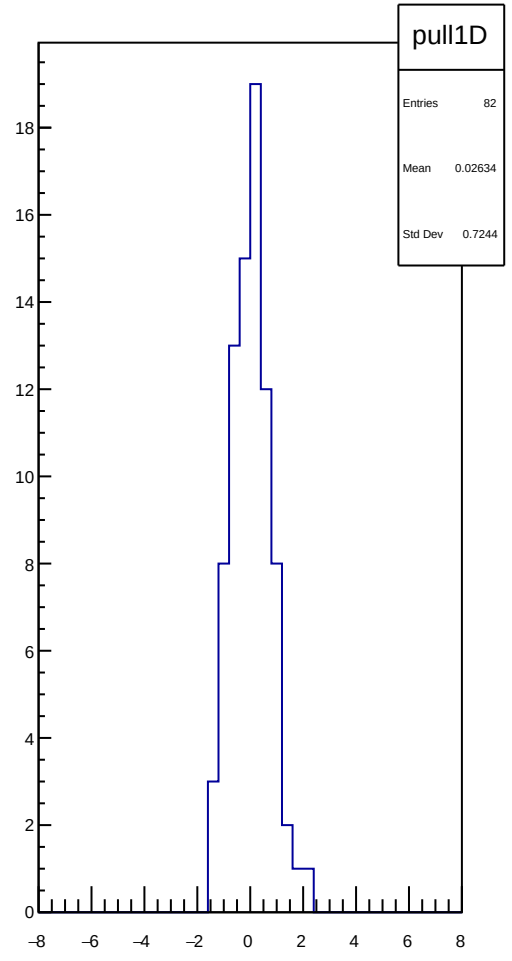

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 151.2 / 81
p0 186.3 ± 7.333
pull
Entries 82
Mean 51.76
Std Dev 21.82
pull1D
Entries 82
Mean −0.5474
Std Dev 1.243

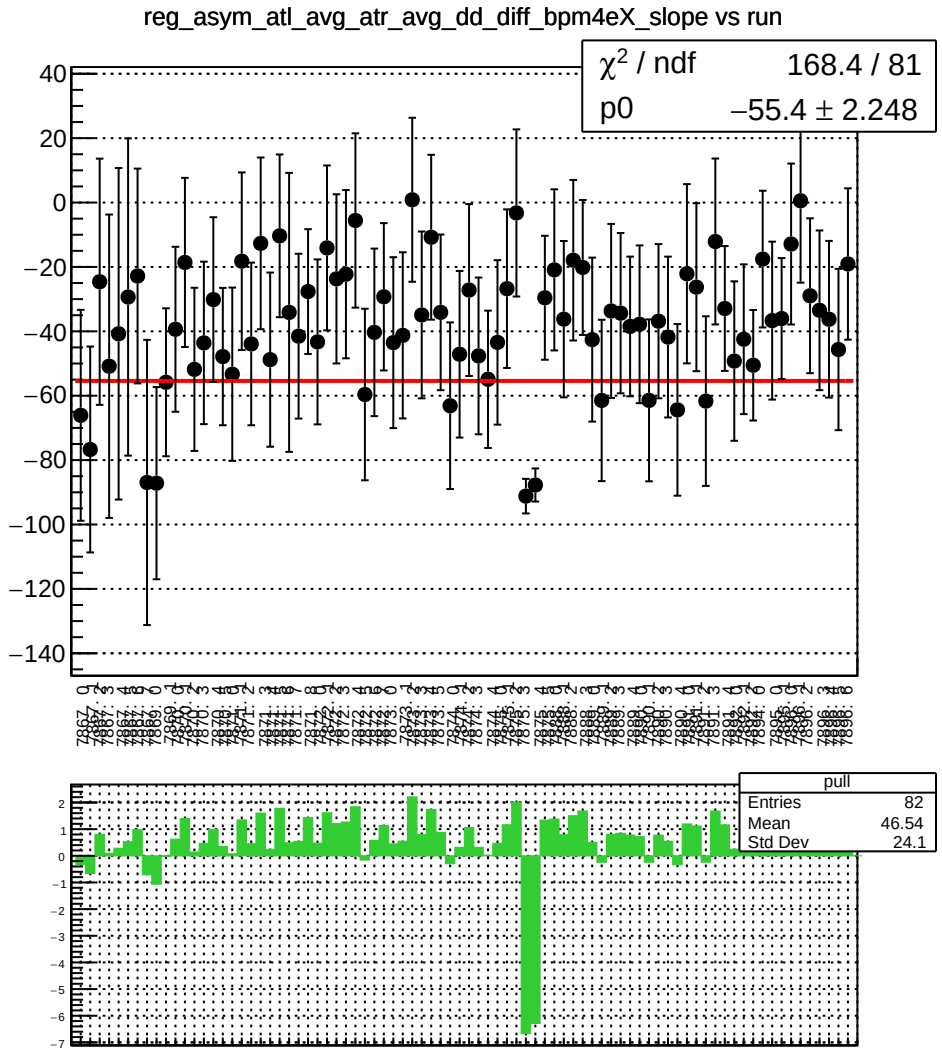

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.071 / 81
p0 11.7 ± 11.88
pull
Entries 82
Mean −38.17
Std Dev 66.35
pull1D
Entries 82
Mean −0.01566
Std Dev 0.2482

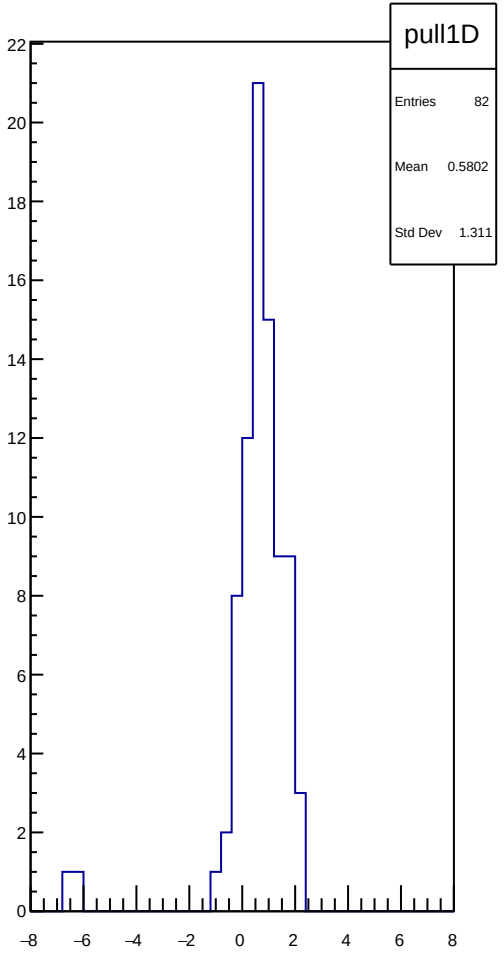

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 424.5 / 81
p0 −148.9 ± 0.3758
pull
Entries 82
Mean −5.783
Std Dev 35.55
pull1D
Entries 82
Mean −0.3898
Std Dev 1.912

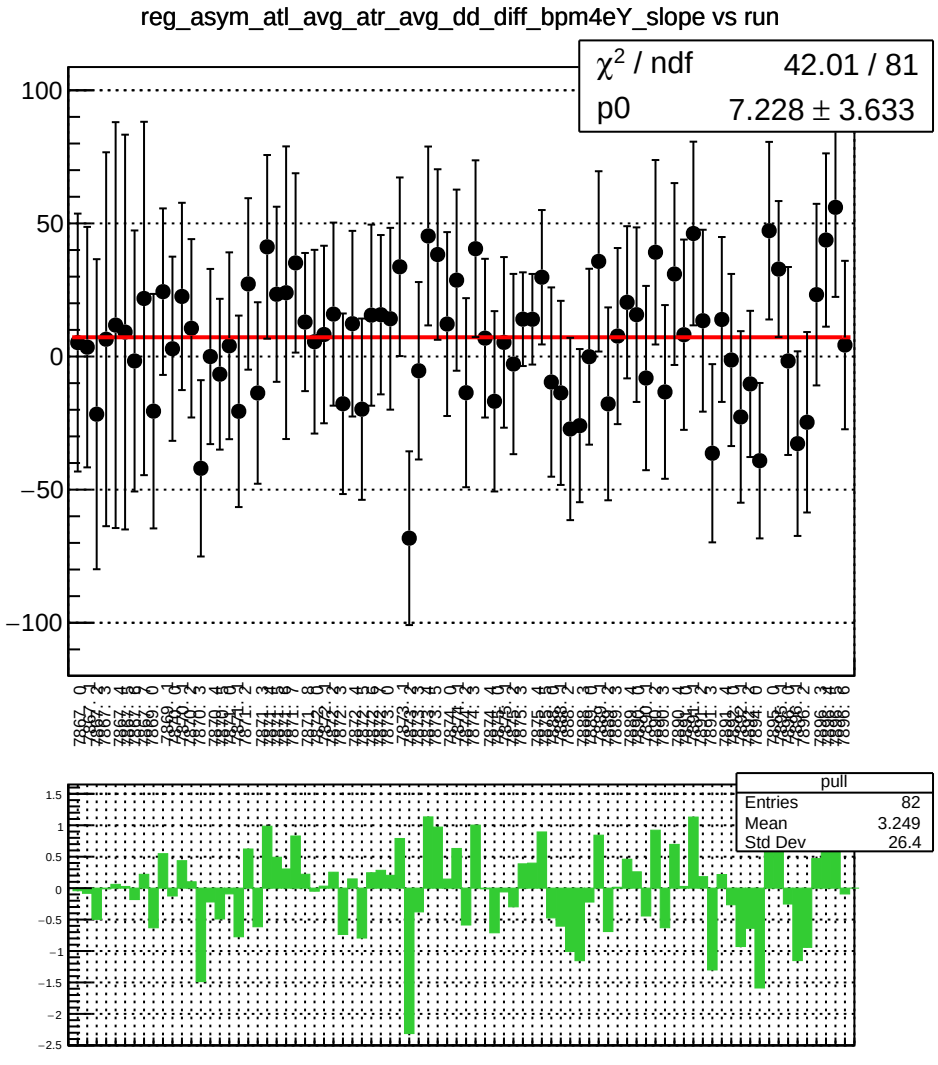

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 138.6 / 81
p0 33.45 ± 2.704
pull
Entries 82
Mean 47.62
Std Dev 23.76
pull1D
Entries 82
Mean −0.4426
Std Dev 1.223

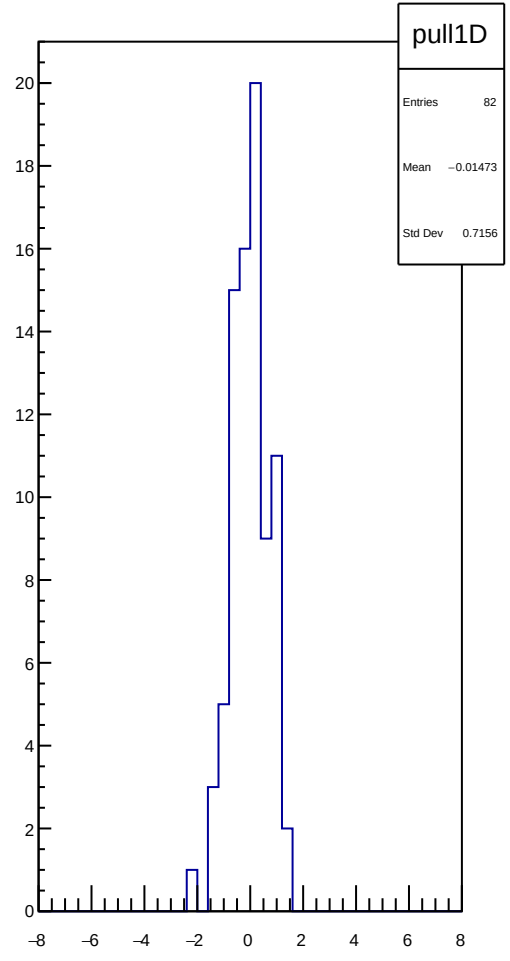

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.09 / 81
p0 −9.053 ± 3.11
pull
Entries 82
Mean 0.03232
Std Dev 34.21

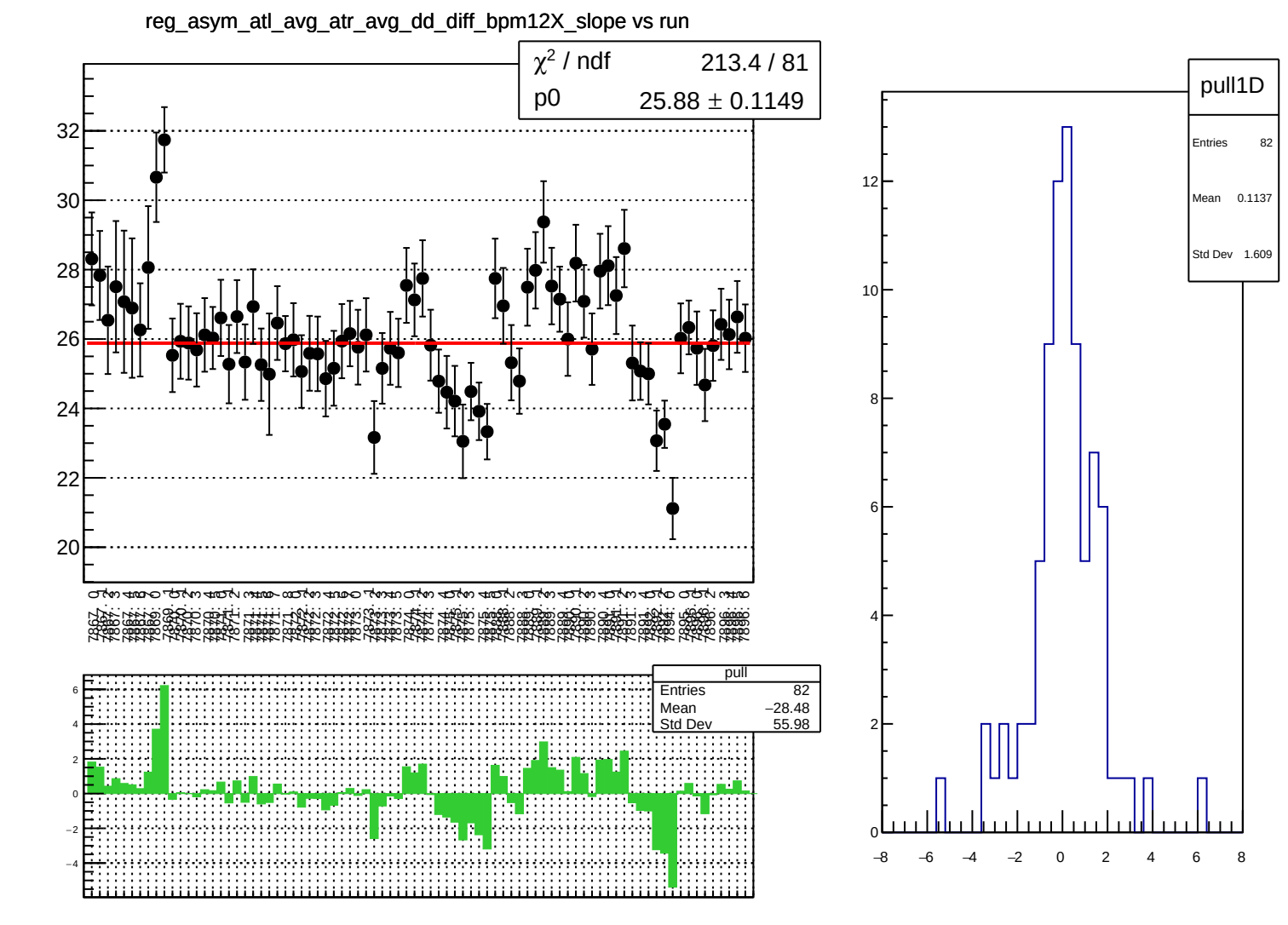

pull1D
Entries 82
Mean 0.02634
Std Dev 0.7244

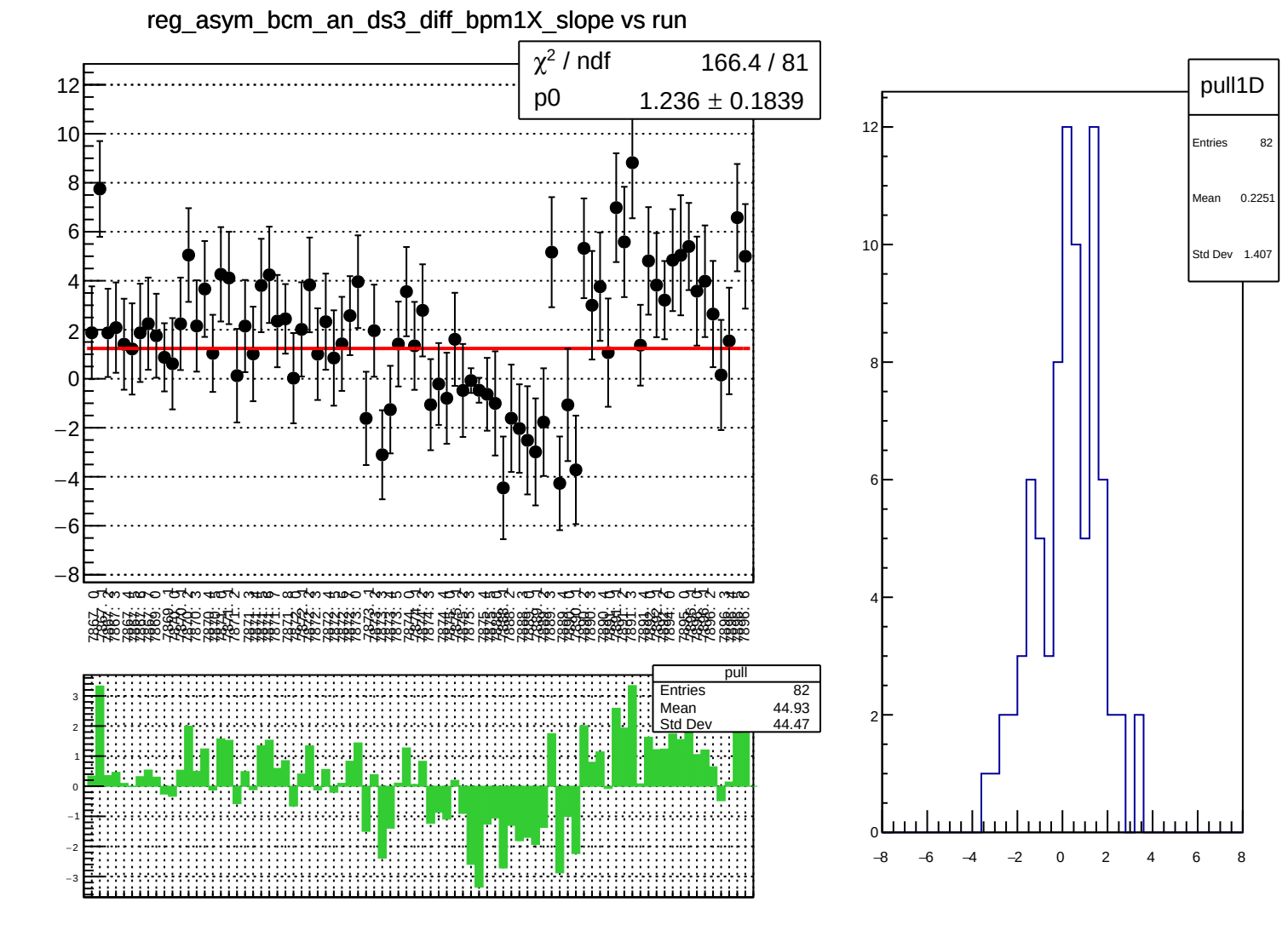

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 168.4 / 81
p0 −55.4 ± 2.248
pull
Entries 82
Mean 46.54
Std Dev 24.1

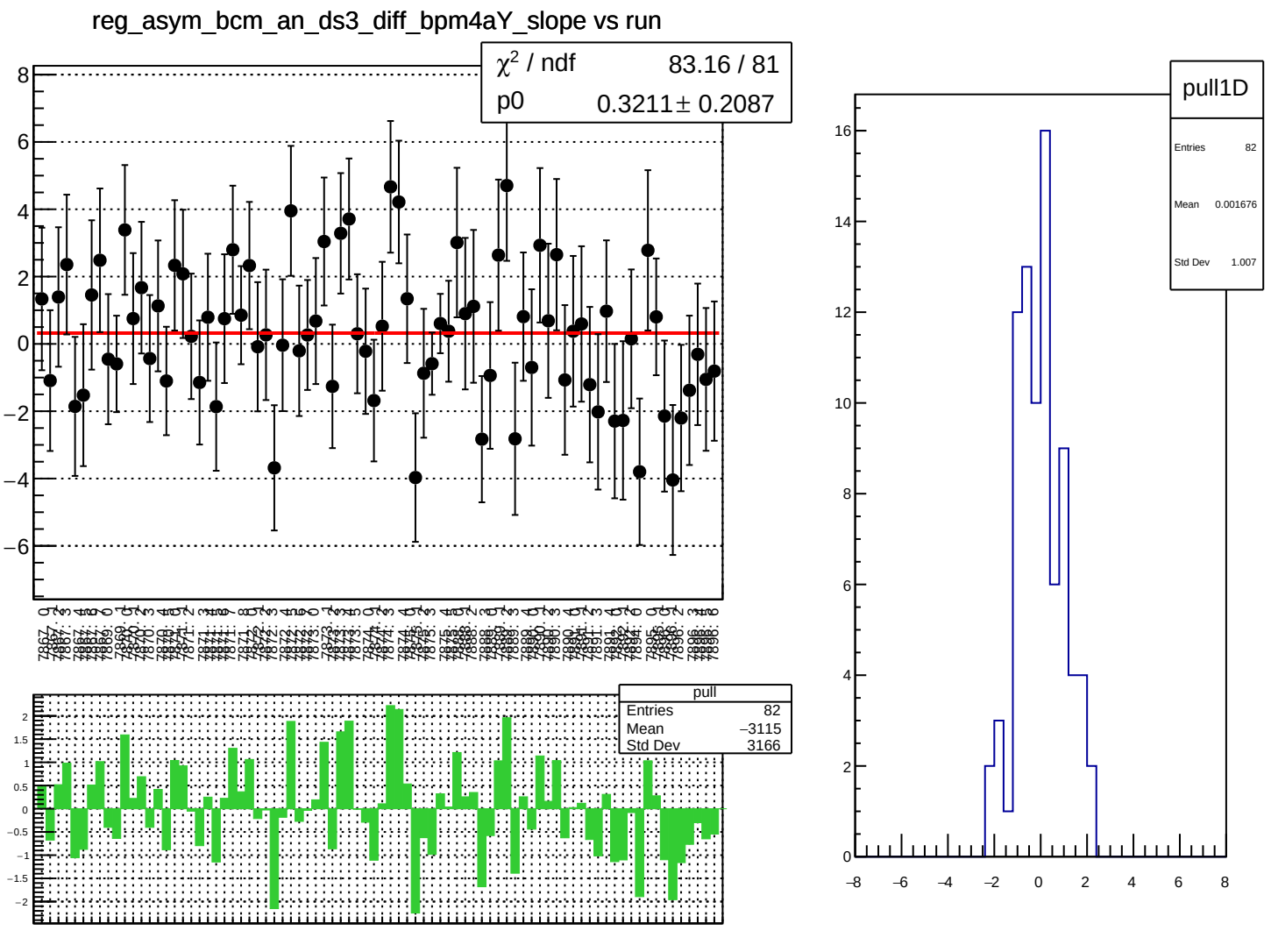

pull1D
Entries 82
Mean 0.5802
Std Dev 1.311

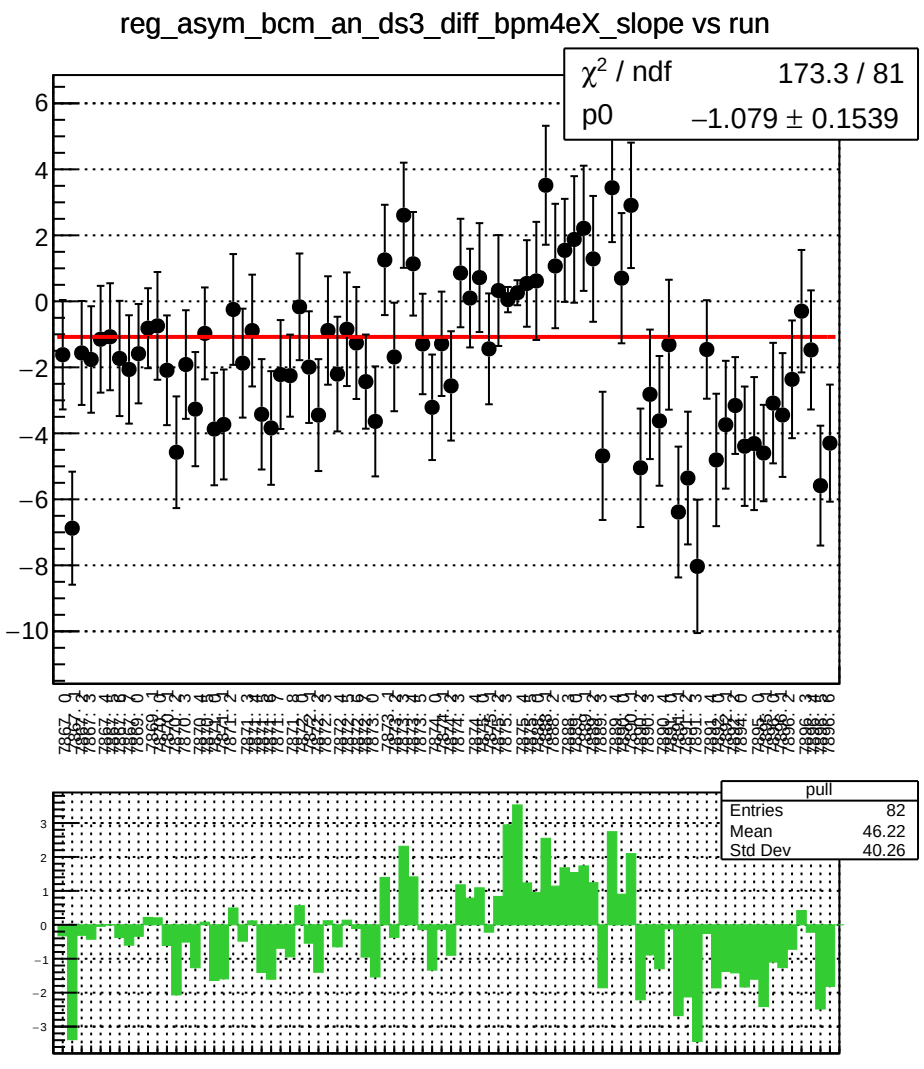

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.01 / 81
p0 7.228 ± 3.633
pull
Entries 82
Mean 3.249
Std Dev 26.4

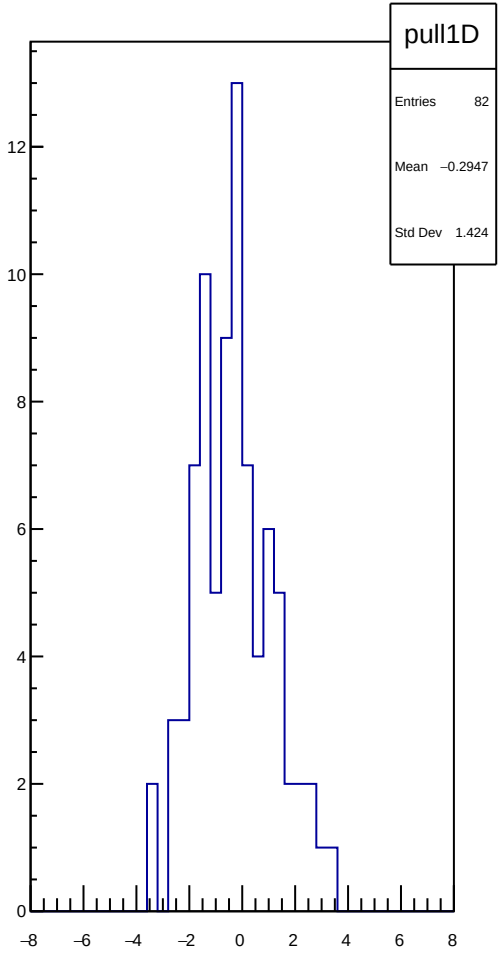

pull1D
Entries 82
Mean −0.01473
Std Dev 0.7156

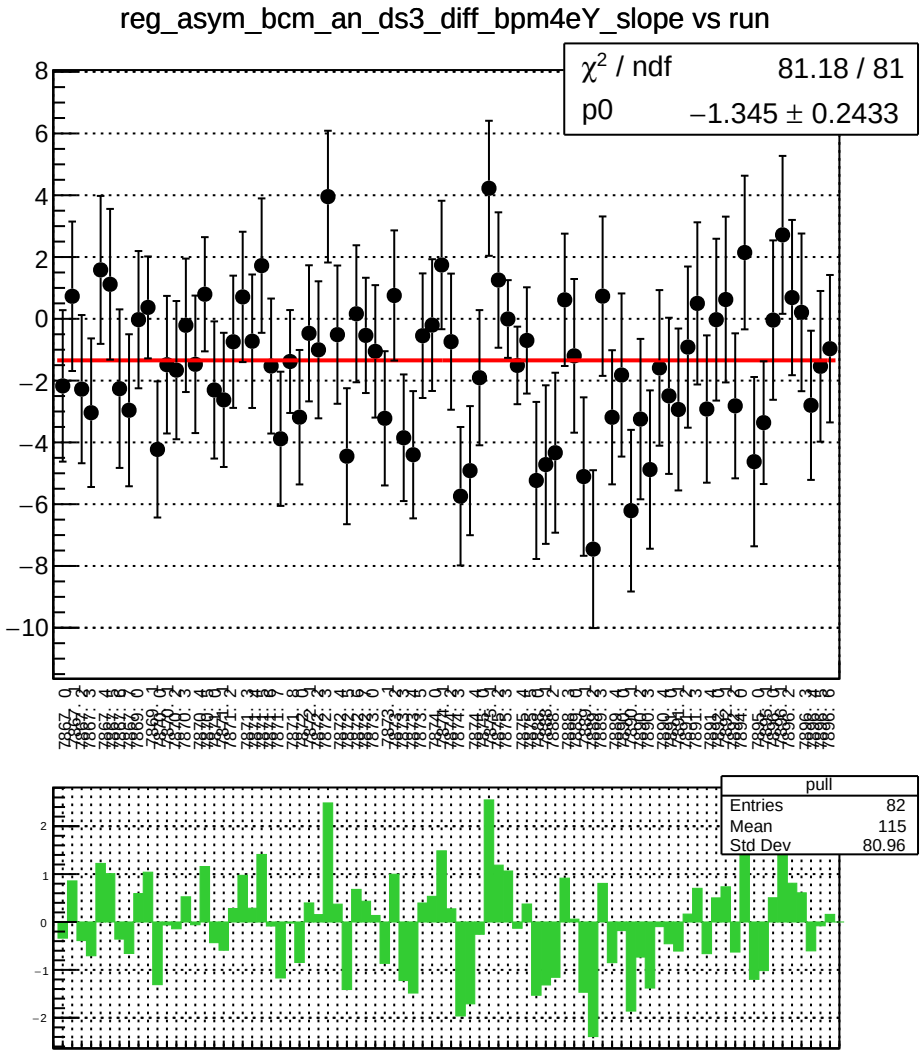

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 213.4 / 81
p0 25.88 ± 0.1149
pull
Entries 82
Mean −28.48
Std Dev 55.98
pull1D
Entries 82
Mean 0.1137
Std Dev 1.609

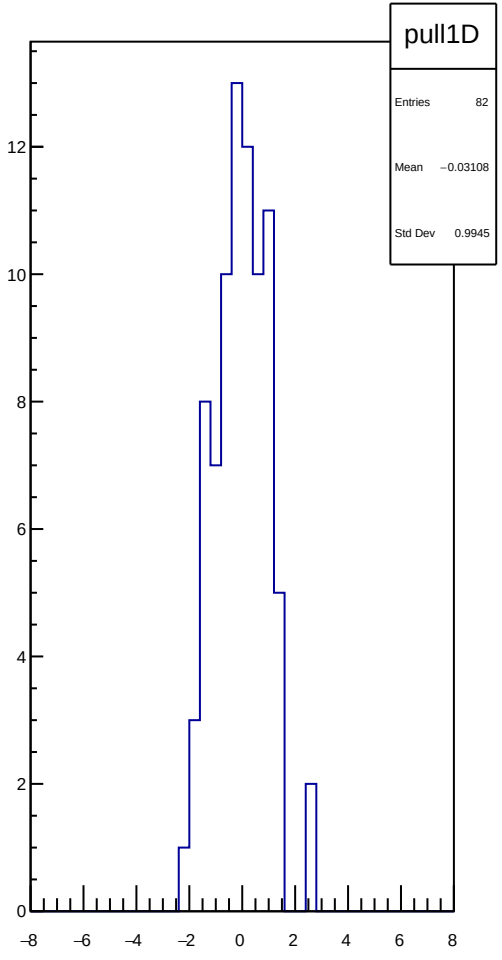

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 166.4 / 81
p0 1.236 ± 0.1839
pull
Entries 82
Mean 44.93
Std Dev 44.47
pull1D
Entries 82
Mean 0.2251
Std Dev 1.407

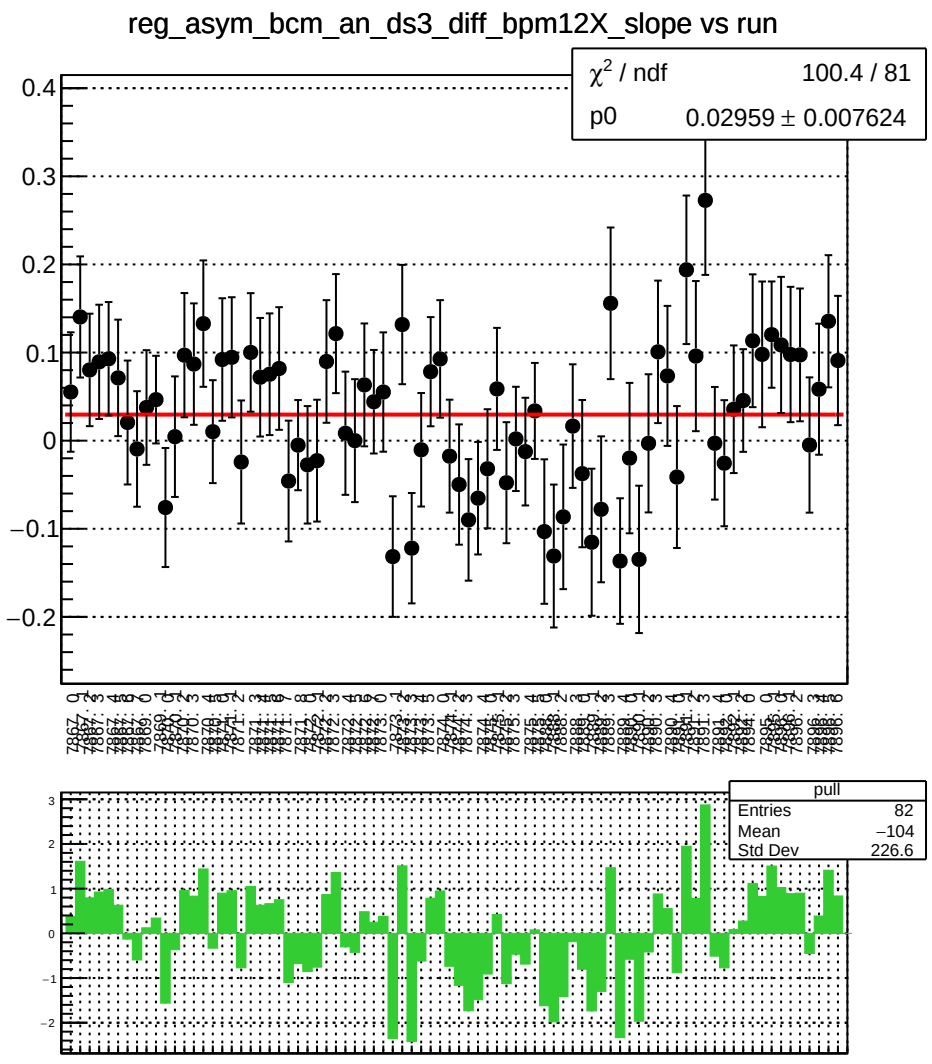

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 83.16 / 81
p0 0.3211± 0.2087
pull
Entries 82
Mean −3115
Std Dev 3166
pull1D
Entries 82
Mean 0.001676
Std Dev 1.007

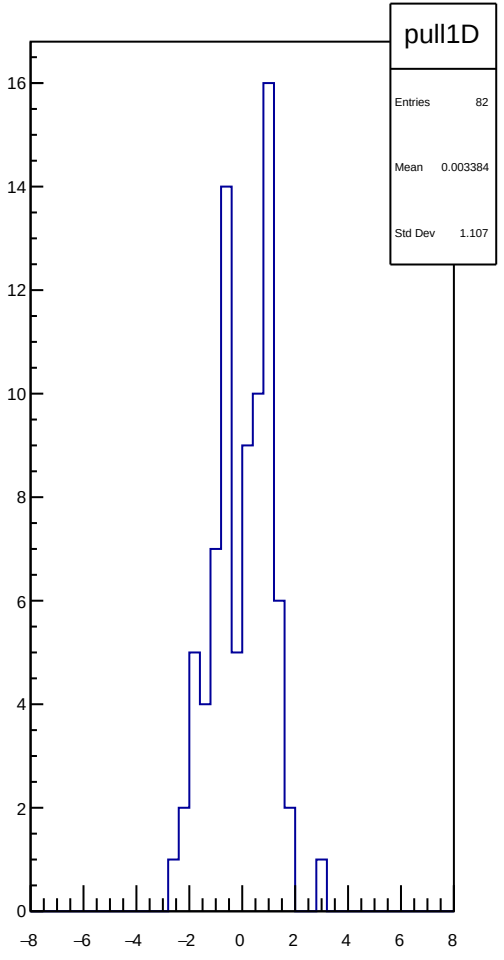

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 173.3 / 81
p0 −1.079 ± 0.1539
pull
Entries 82
Mean 46.22
Std Dev 40.26

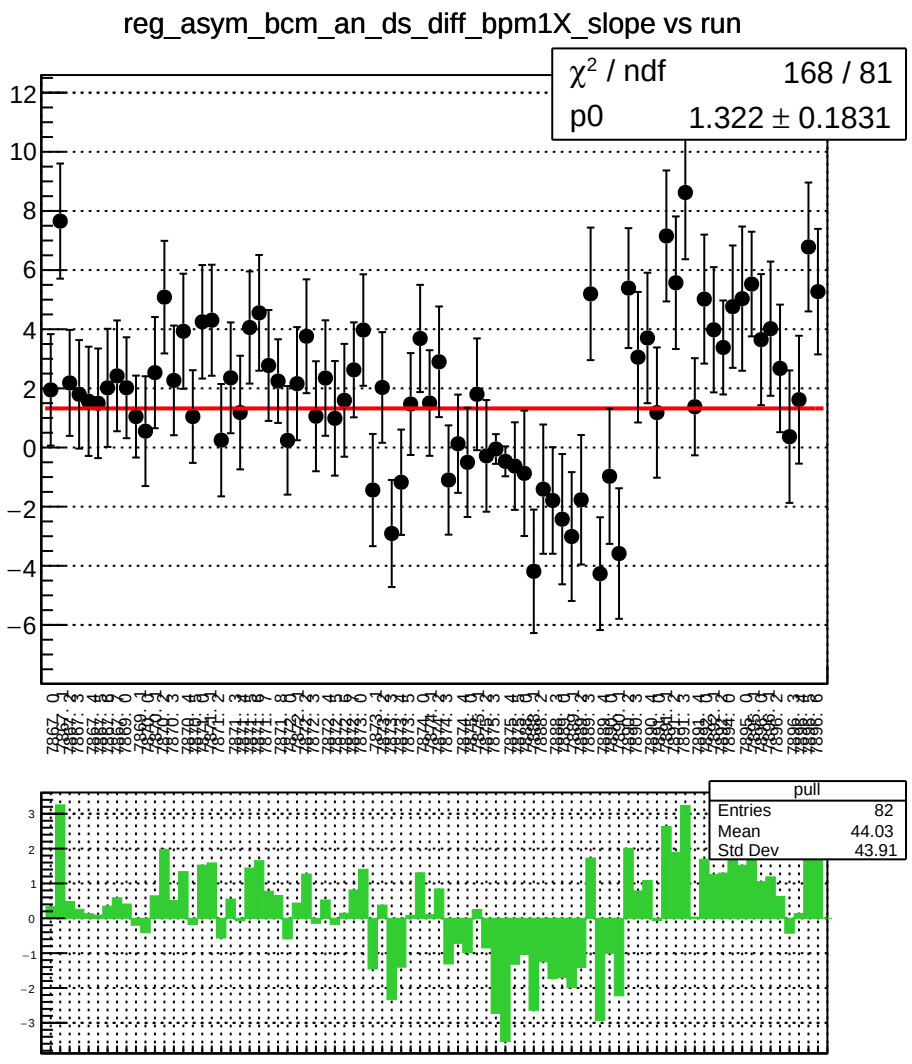

pull1D
Entries 82
Mean −0.2947
Std Dev 1.424

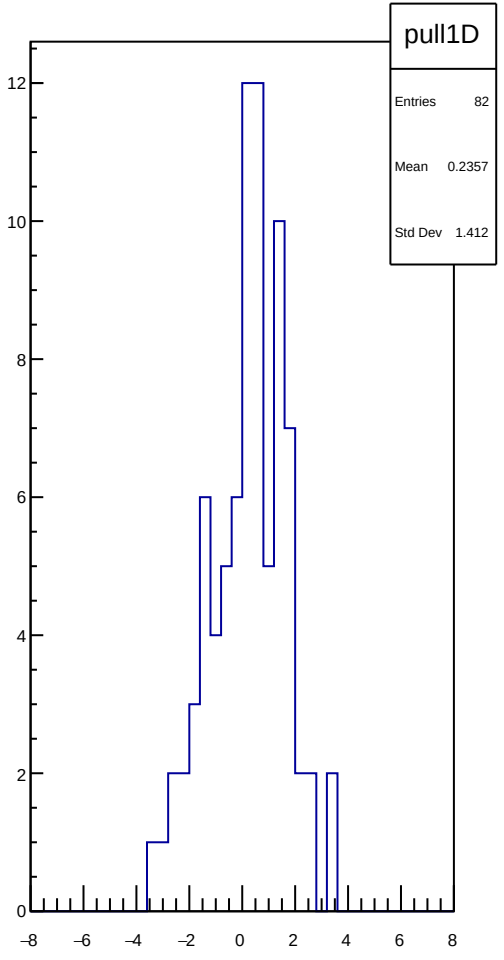

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 81.18 / 81
p0 −1.345 ± 0.2433
pull
Entries 82
Mean 115
Std Dev 80.96

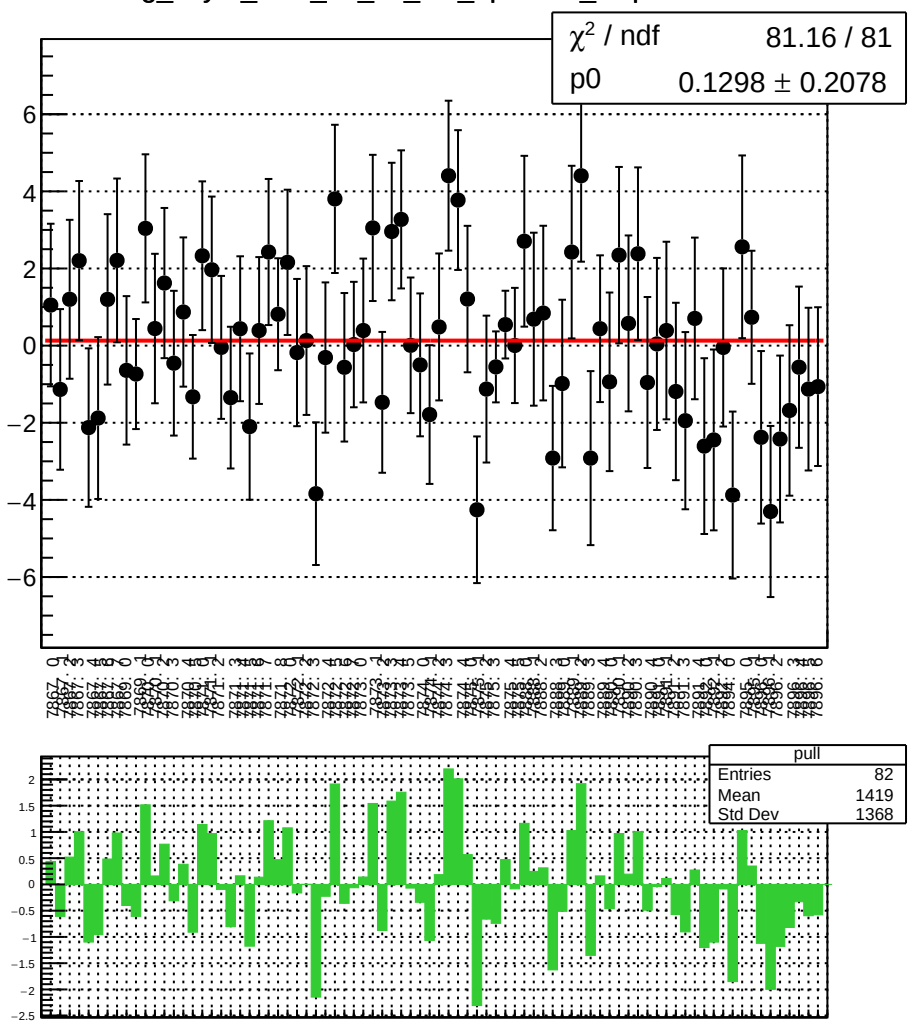

pull1D
Entries 82
Mean −0.03108
Std Dev 0.9945

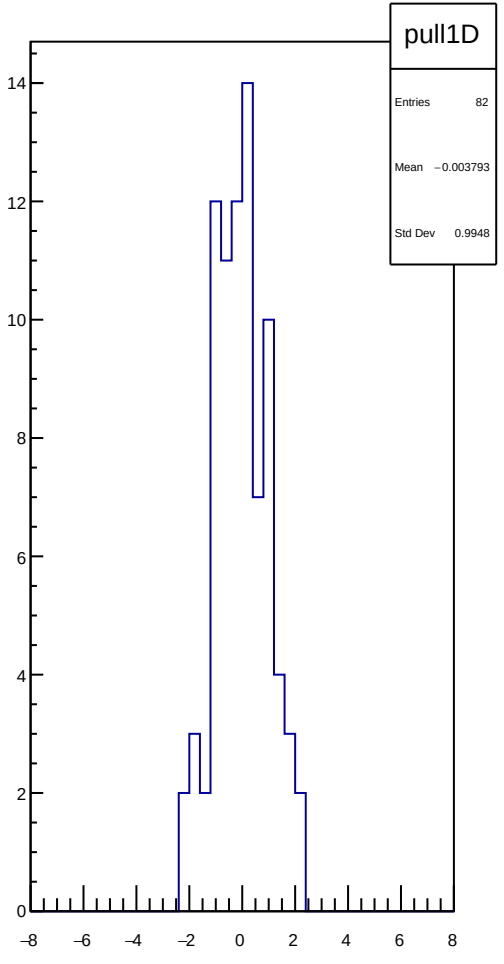

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 100.4 / 81
p0 0.02959 ± 0.007624
pull
Entries 82
Mean −104
Std Dev 226.6

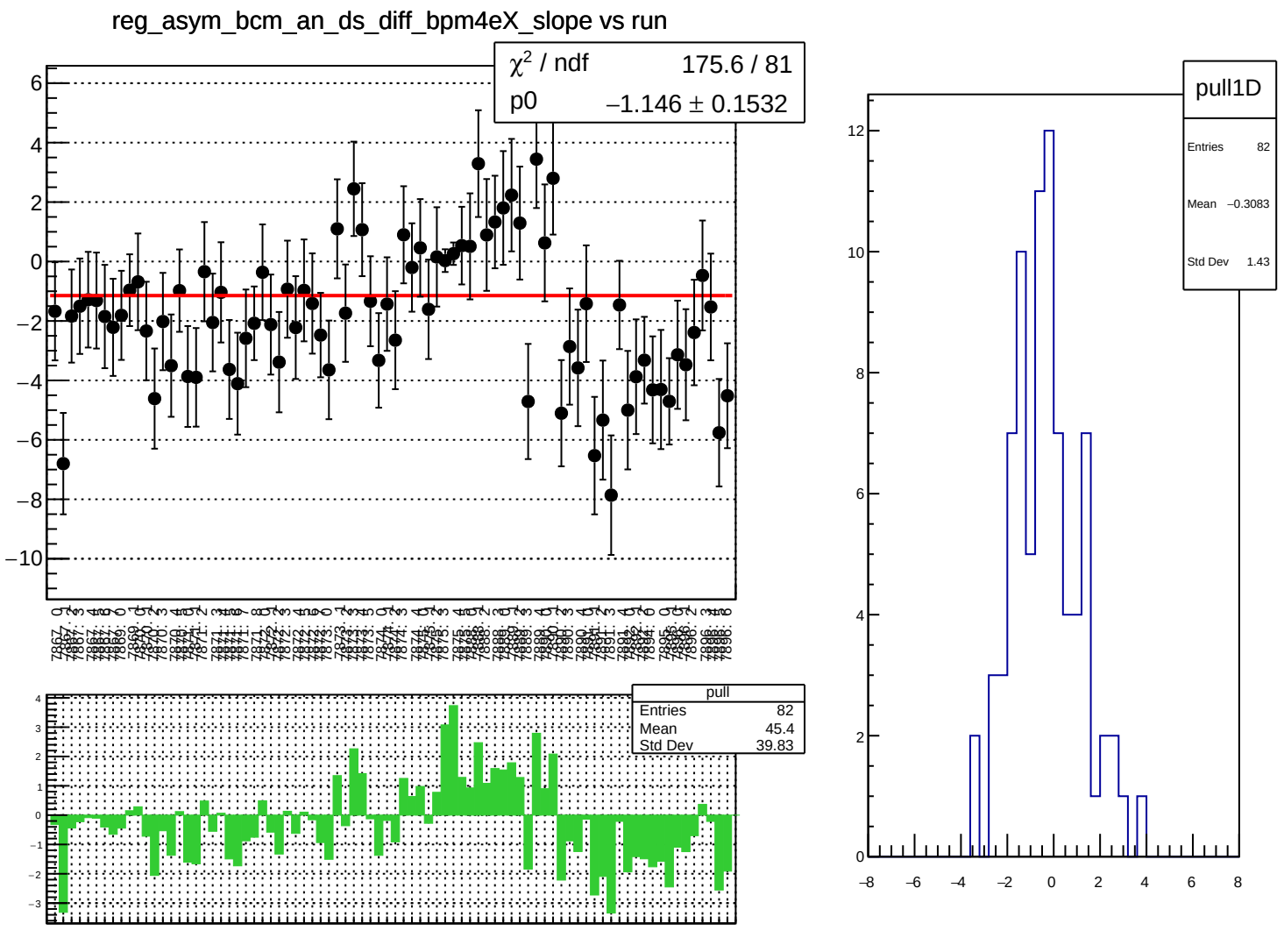

pull1D
Entries 82
Mean 0.003384
Std Dev 1.107

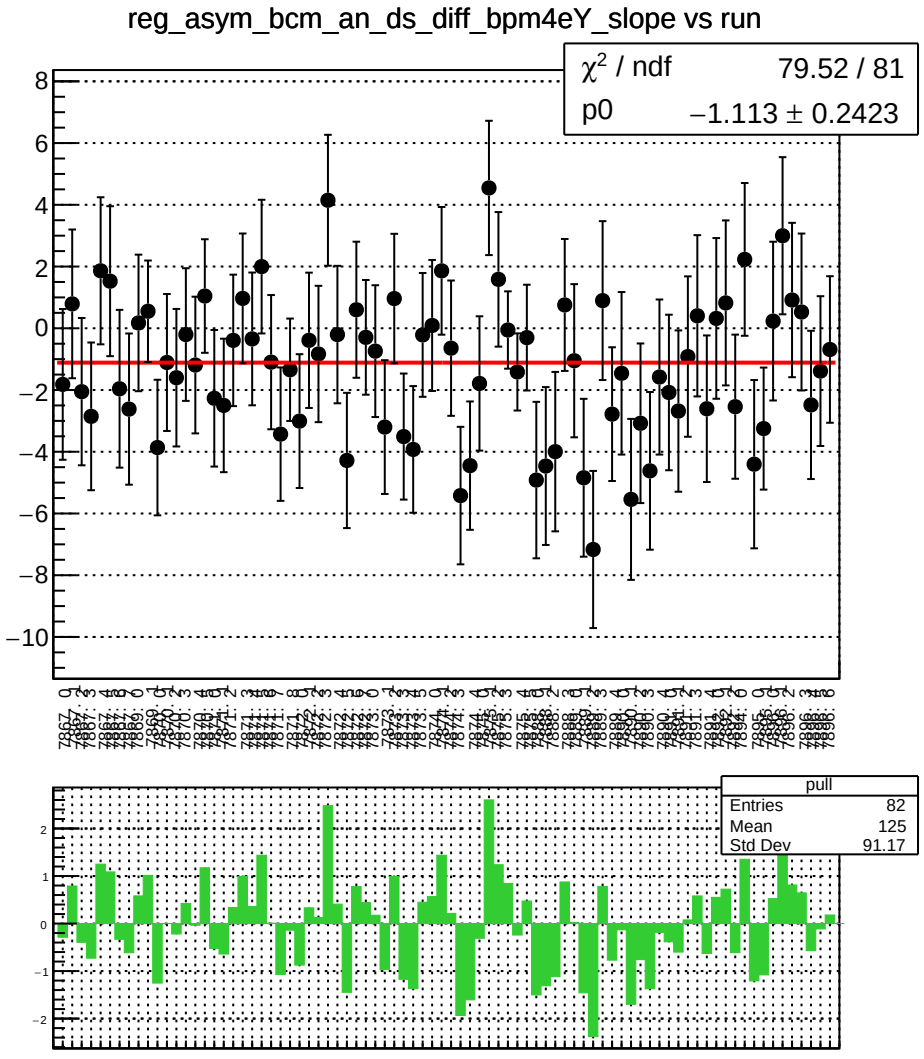

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 168 / 81
p0 1.322 ± 0.1831
pull
Entries 82
Mean 44.03
Std Dev 43.91

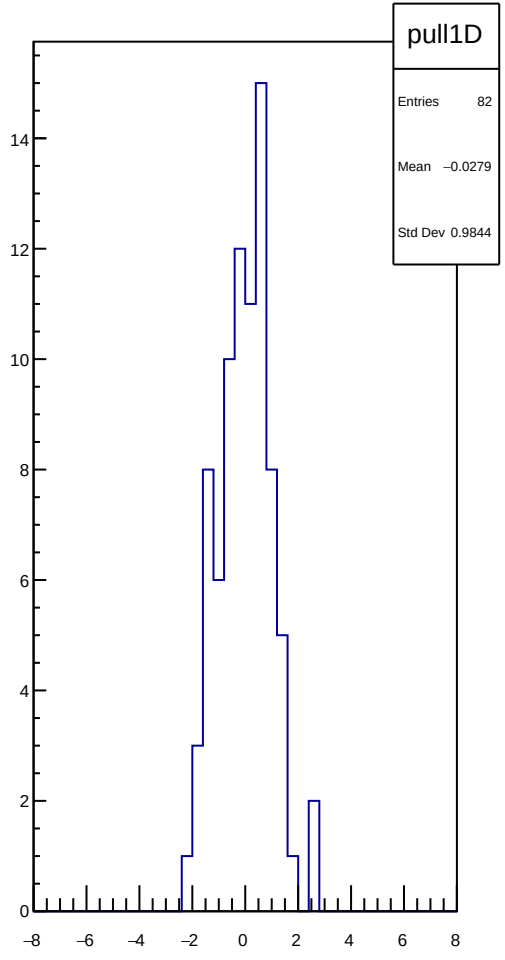

pull1D
Entries 82
Mean 0.2357
Std Dev 1.412

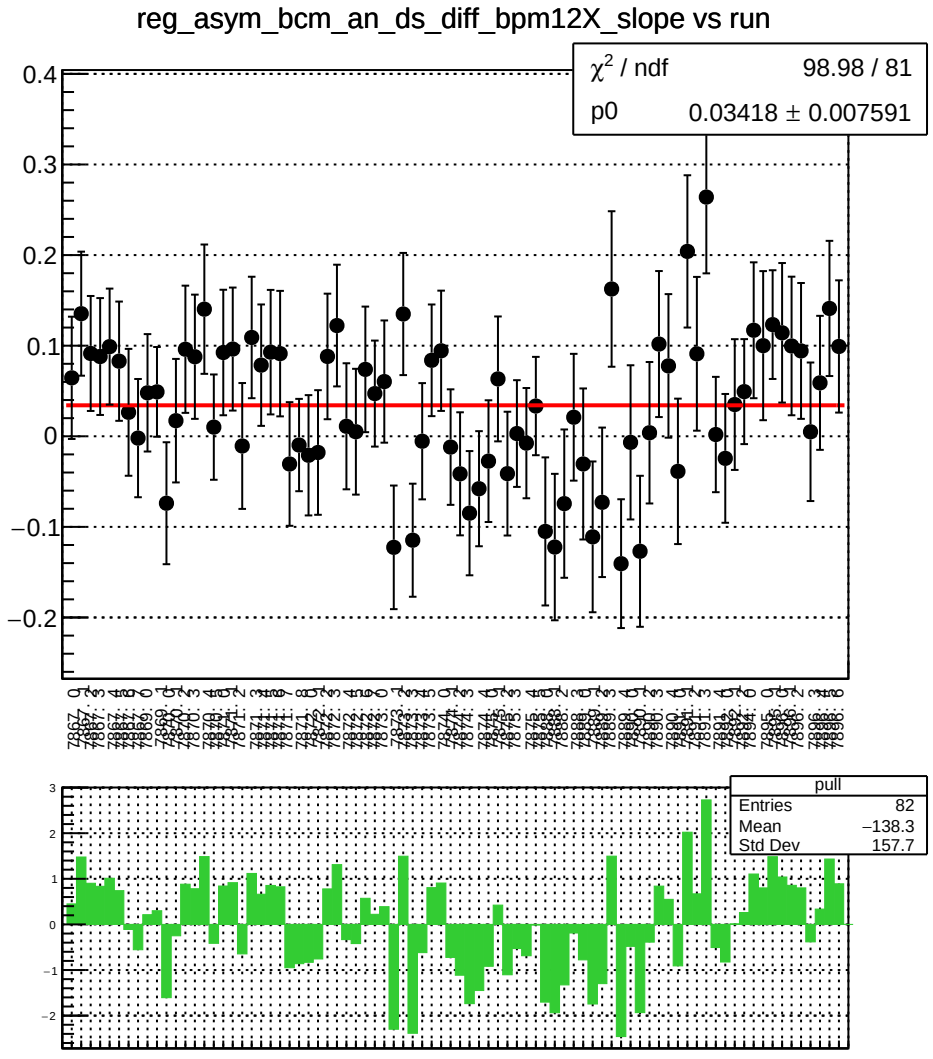

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 81.16 / 81
p0 0.1298 ± 0.2078
pull
Entries 82
Mean 1419
Std Dev 1368

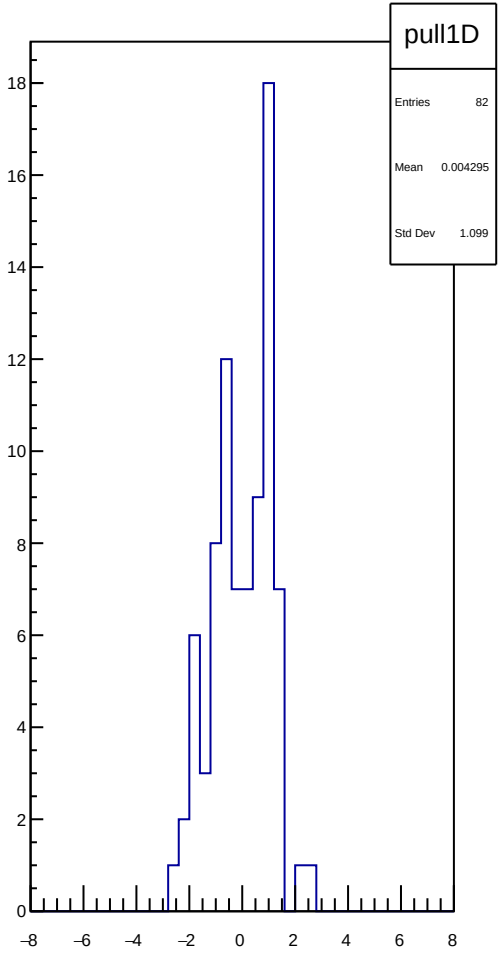

pull1D
Entries 82
Mean −0.003793
Std Dev 0.9948

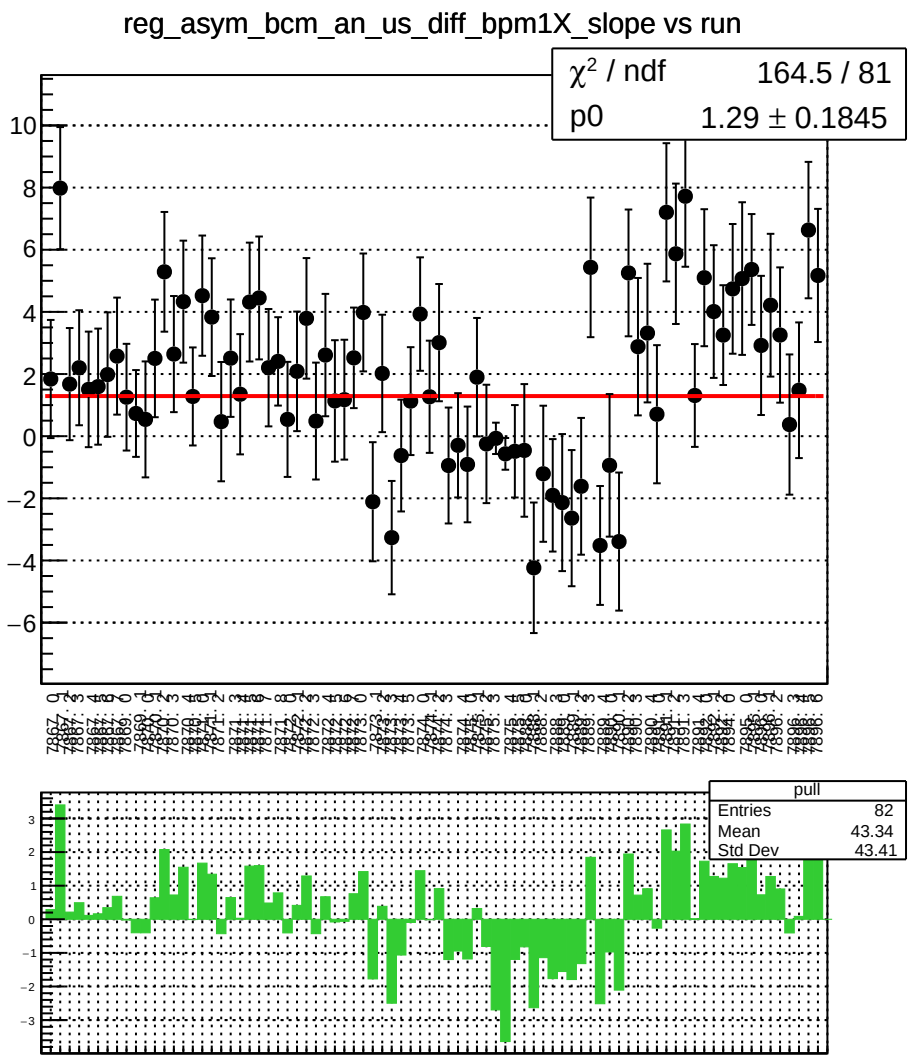

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 175.6 / 81
p0 −1.146 ± 0.1532
pull
Entries 82
Mean 45.4
Std Dev 39.83
pull1D
Entries 82
Mean −0.3083
Std Dev 1.43

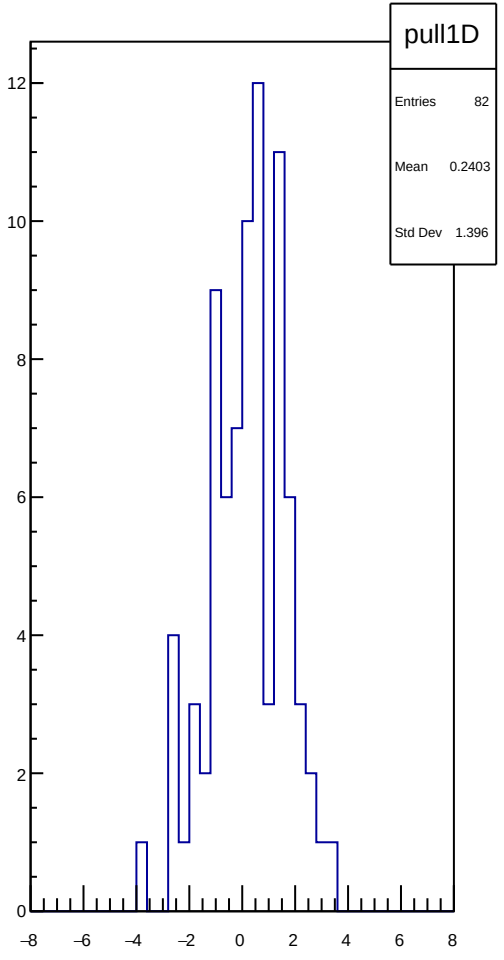

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 79.52 / 81
p0 −1.113 ± 0.2423
pull
Entries 82
Mean 125
Std Dev 91.17

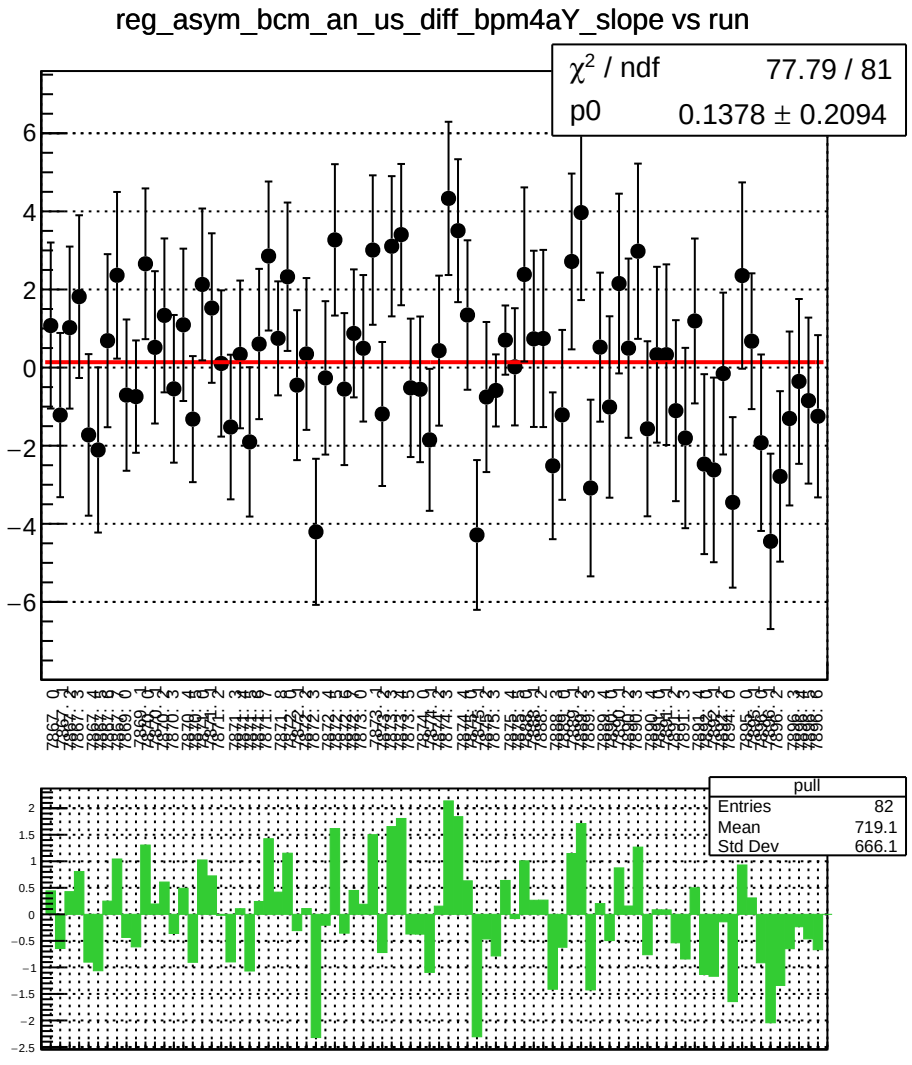

pull1D
Entries 82
Mean −0.0279
Std Dev 0.9844

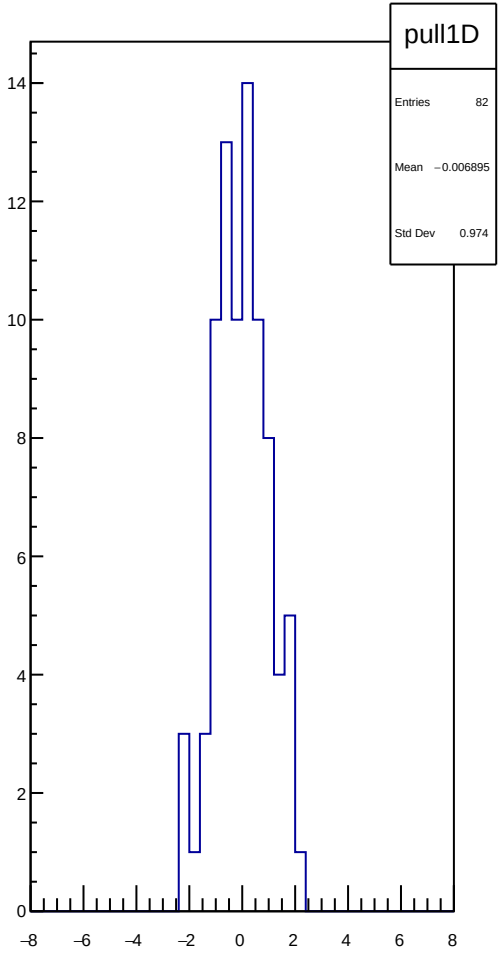

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 98.98 / 81
p0 0.03418 ± 0.007591
pull
Entries 82
Mean −138.3
Std Dev 157.7

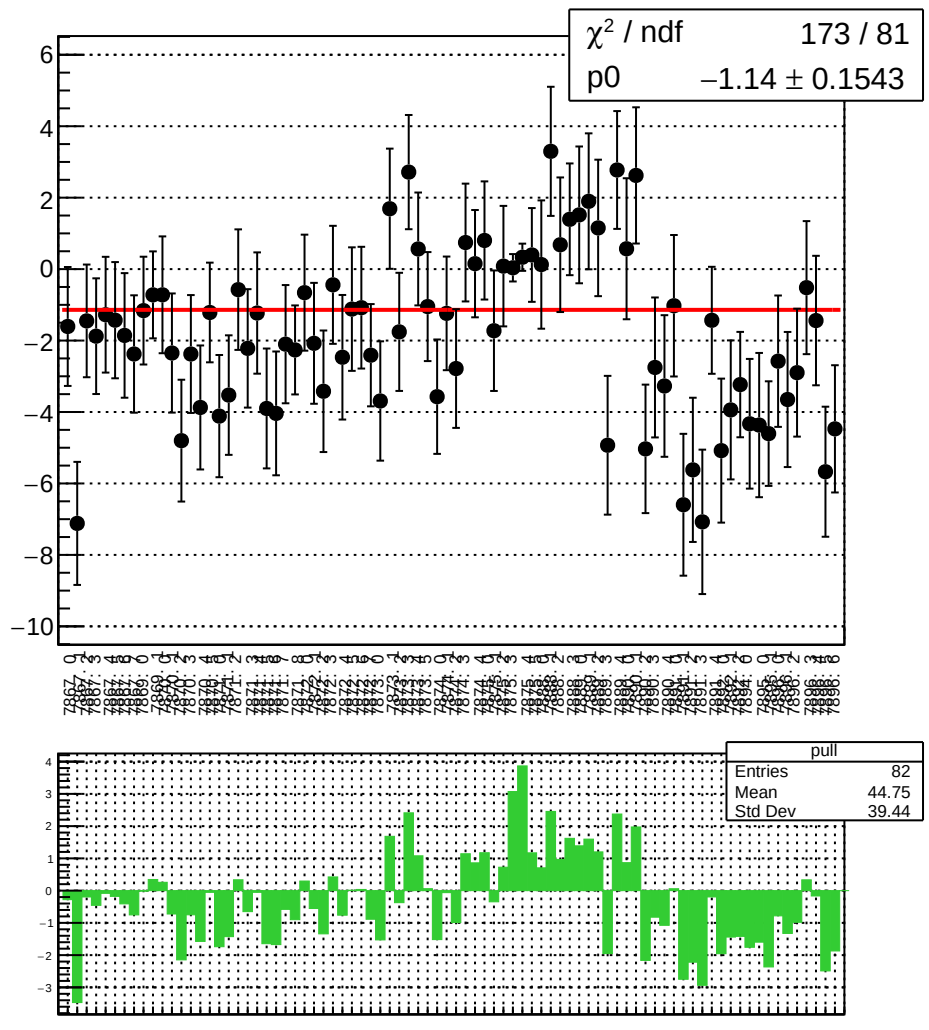

pull1D
Entries 82
Mean 0.004295
Std Dev 1.099

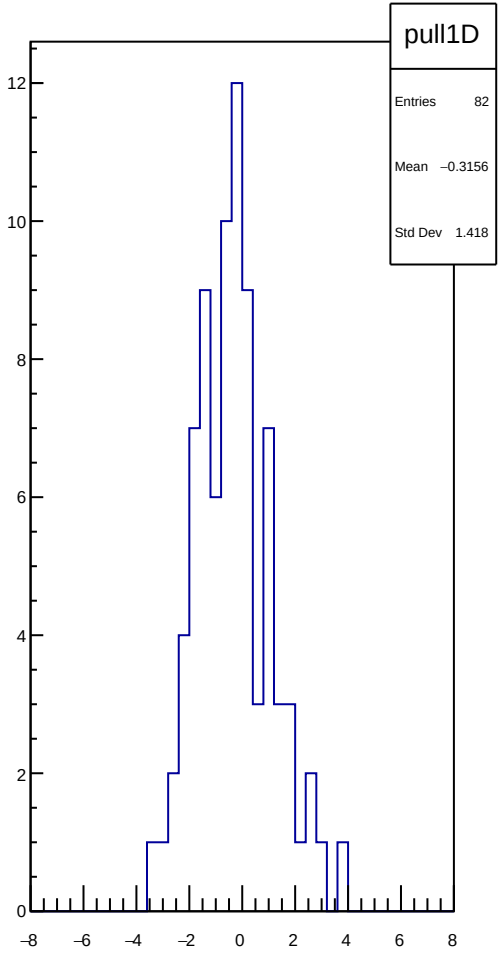

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 164.5 / 81
p0 1.29 ± 0.1845
pull
Entries 82
Mean 43.34
Std Dev 43.41

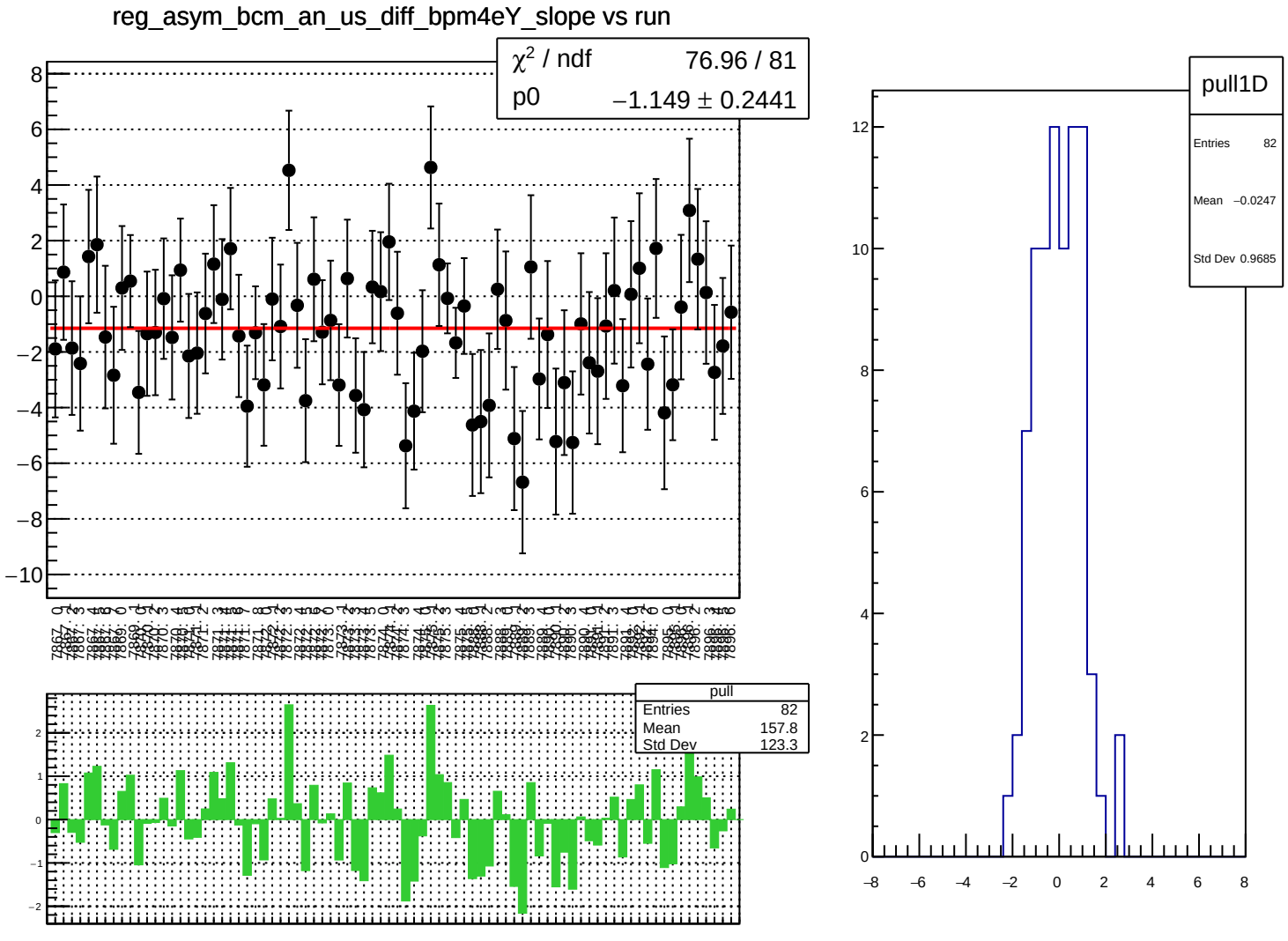

pull1D
Entries 82
Mean 0.2403
Std Dev 1.396

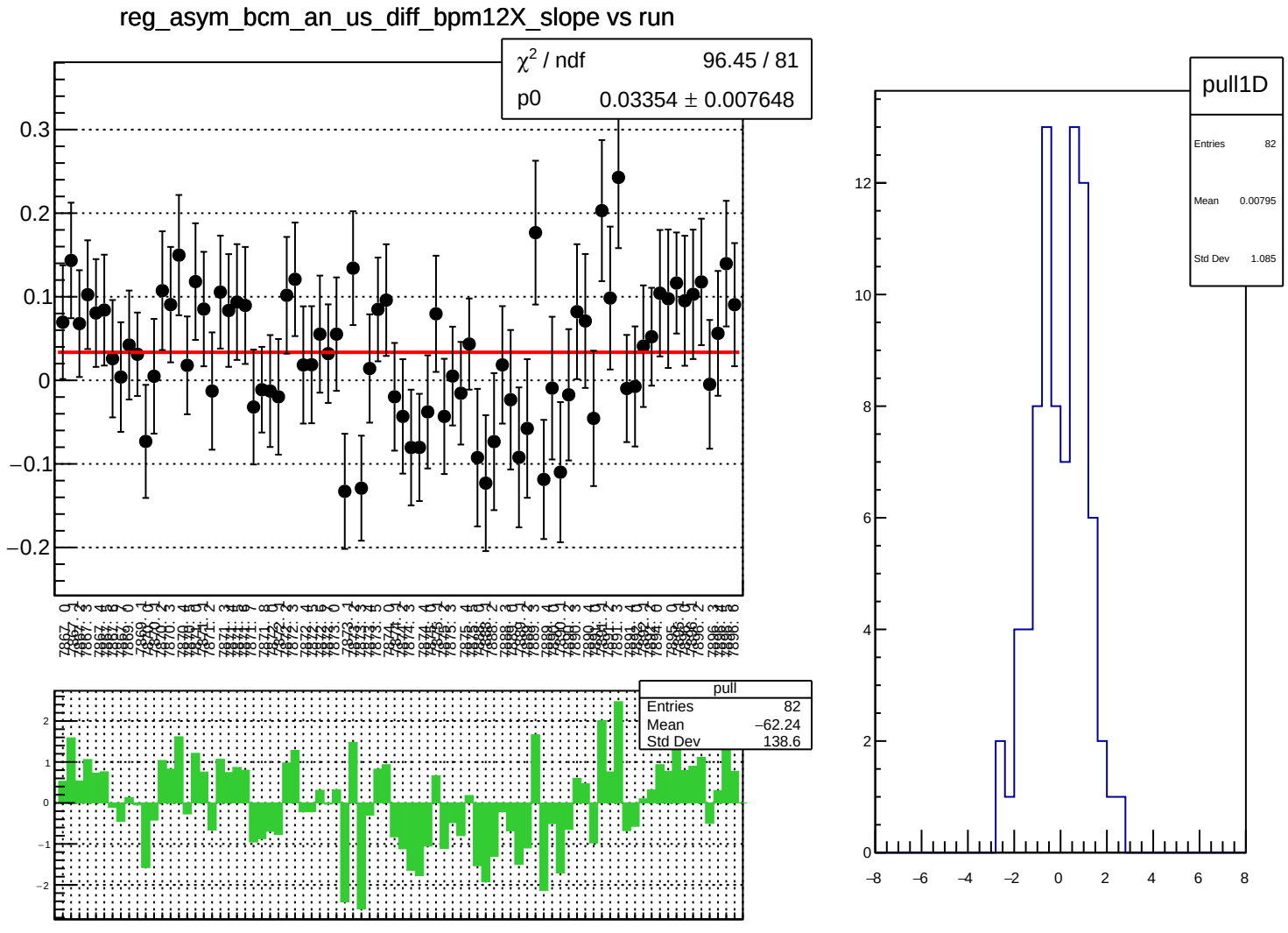

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 77.79 / 81
p0 0.1378 ± 0.2094
pull
Entries 82
Mean 719.1
Std Dev 666.1

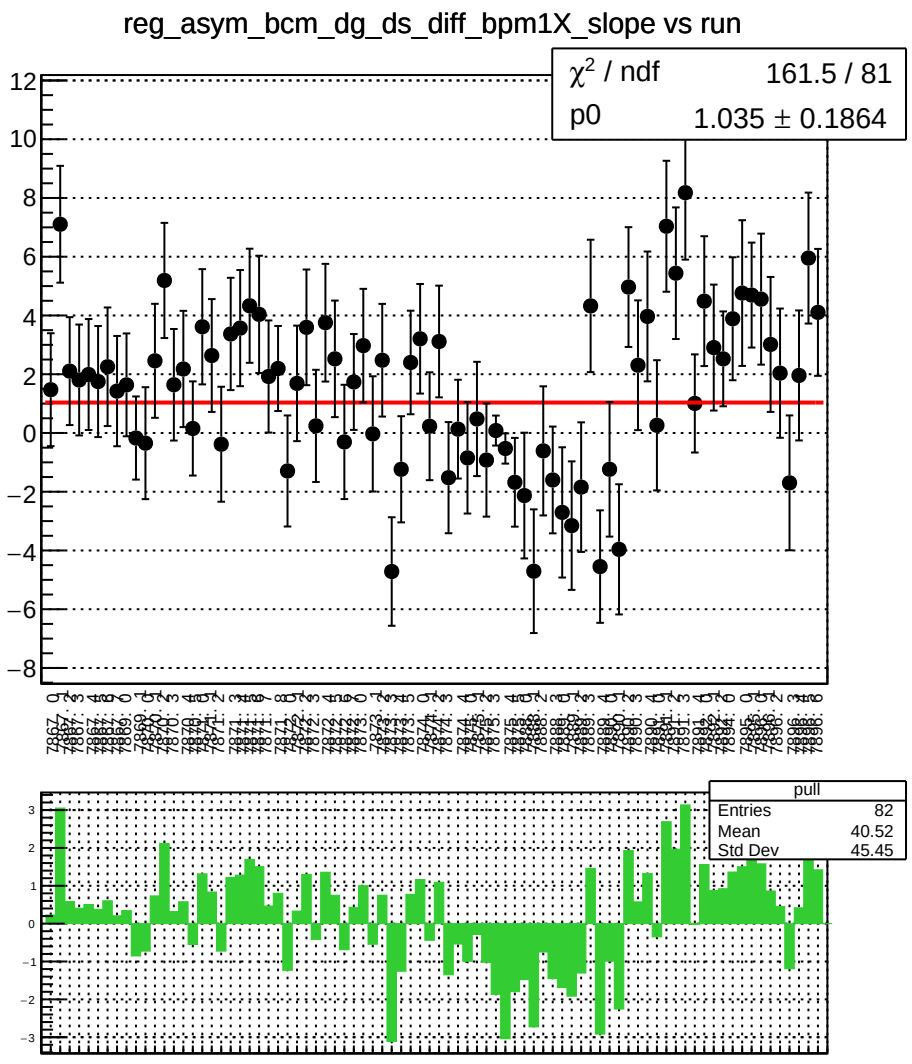

pull1D
Entries 82
Mean −0.006895
Std Dev 0.974

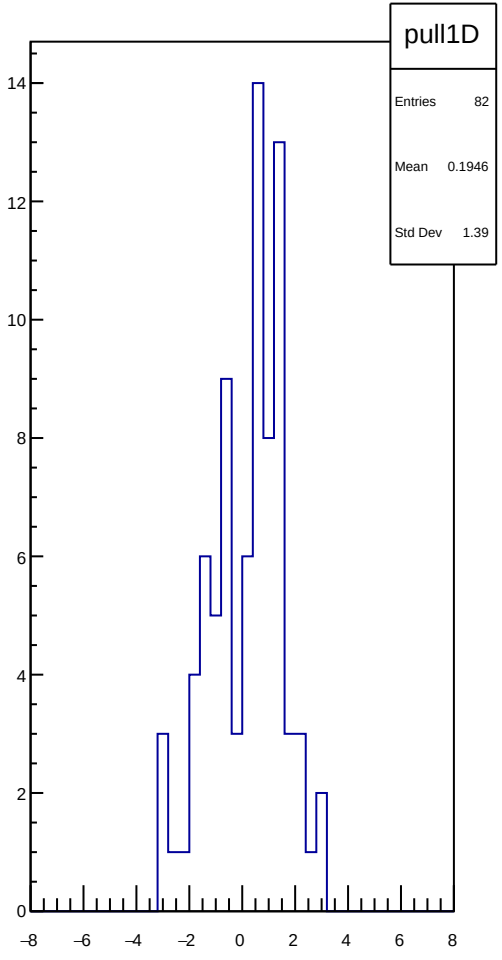

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 173 / 81
p0 −1.14 ± 0.1543
pull
Entries 82
Mean 44.75
Std Dev 39.44

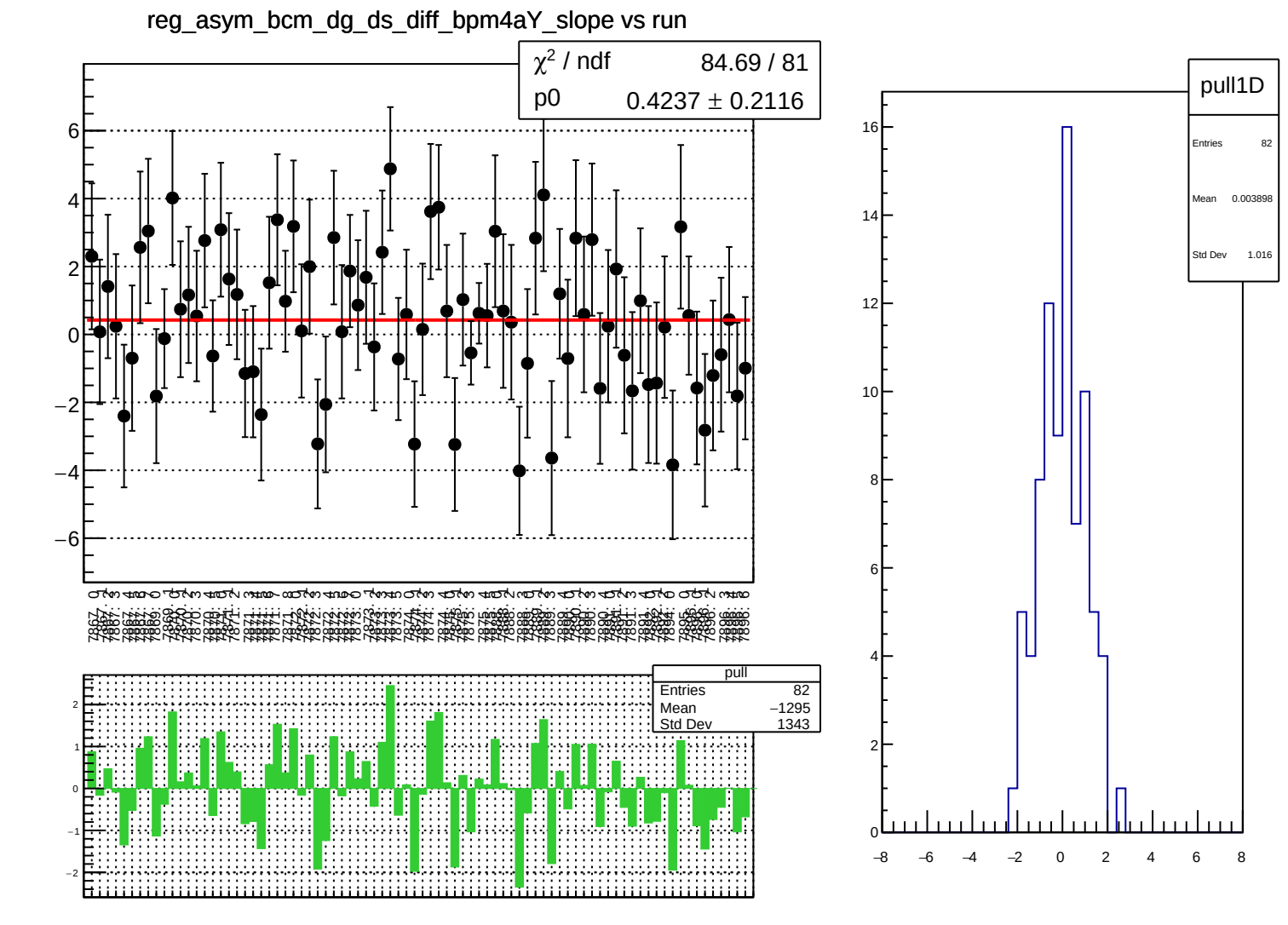

pull1D
Entries 82
Mean −0.3156
Std Dev 1.418

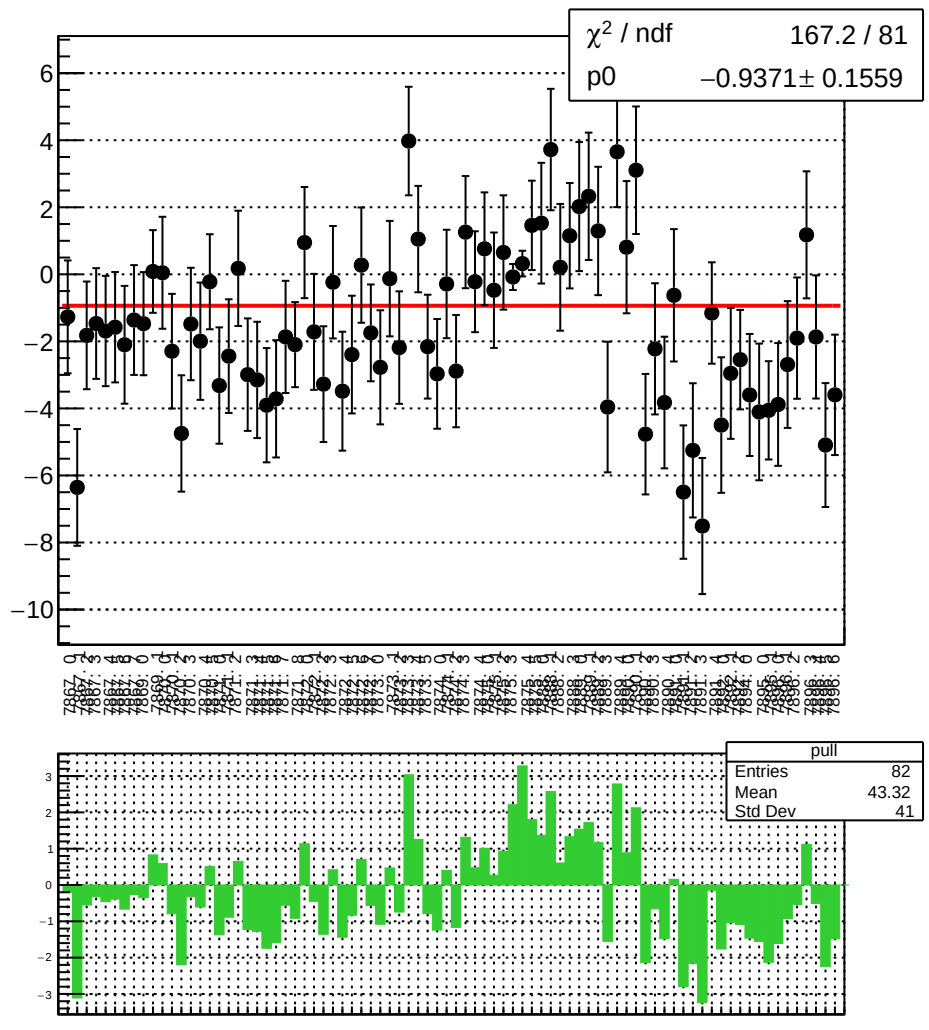

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 76.96 / 81
p0 −1.149 ± 0.2441
pull
Entries 82
Mean 157.8
Std Dev 123.3
pull1D
Entries 82
Mean −0.0247
Std Dev 0.9685

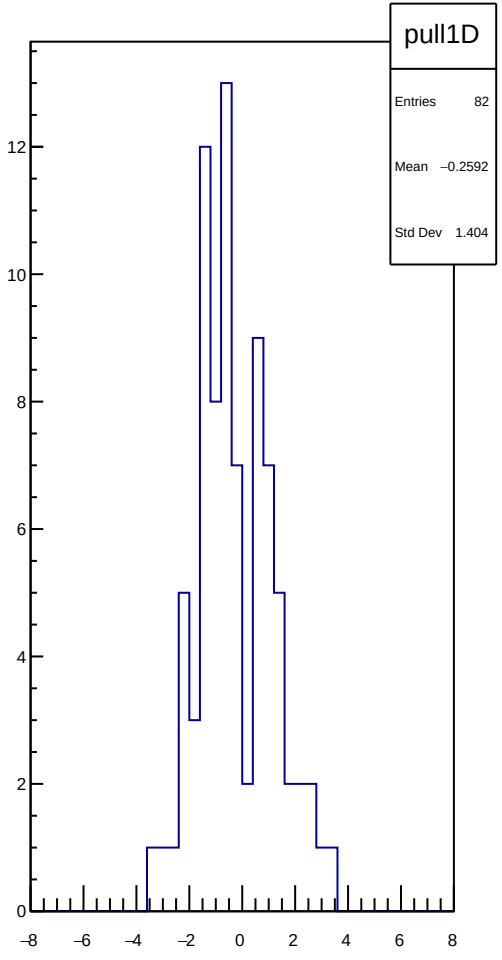

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 96.45 / 81
p0 0.03354 ± 0.007648
pull
Entries 82
Mean −62.24
Std Dev 138.6
pull1D
Entries 82
Mean 0.00795
Std Dev 1.085

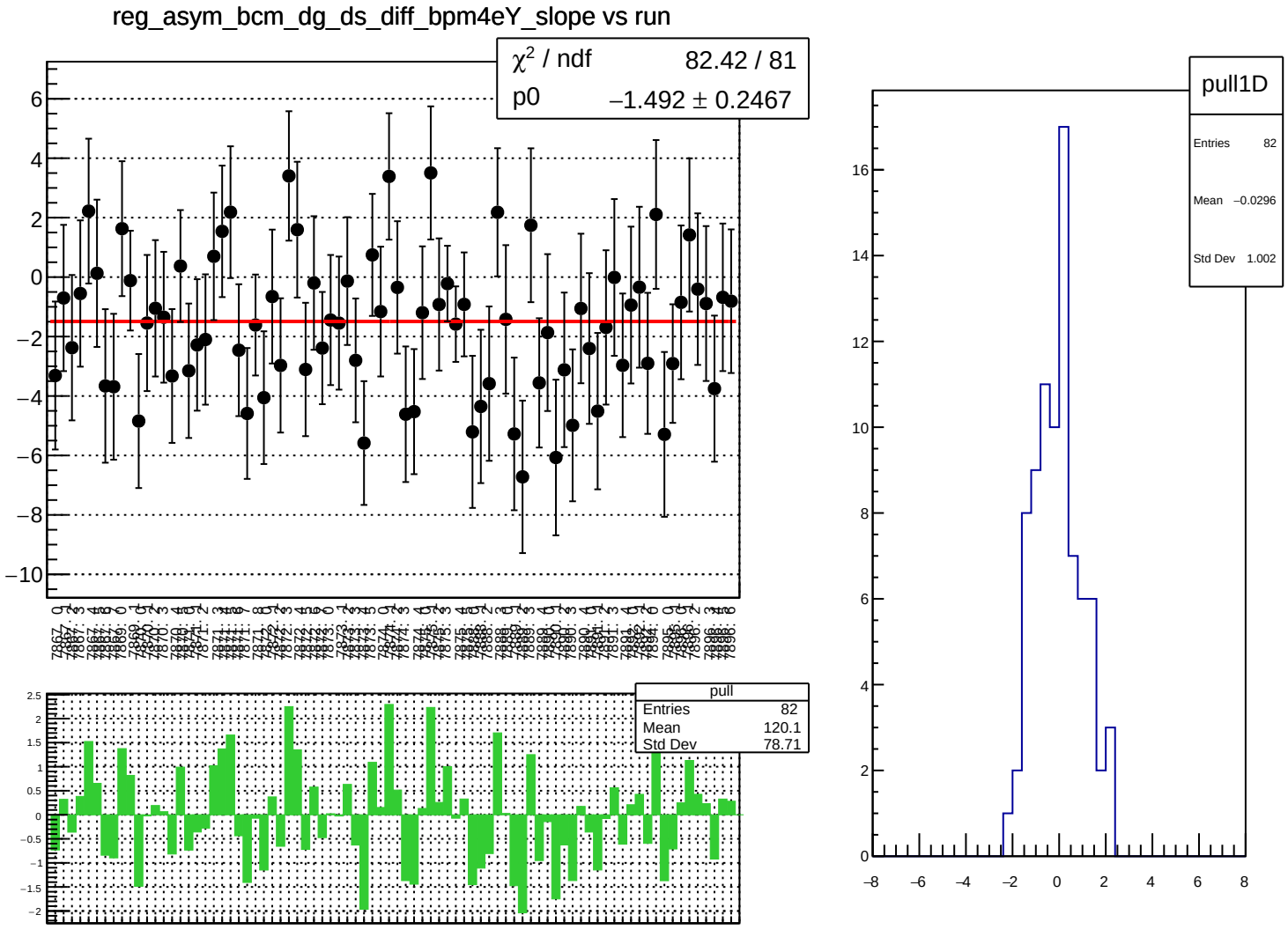

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 161.5 / 81
p0 1.035 ± 0.1864
pull
Entries 82
Mean 40.52
Std Dev 45.45

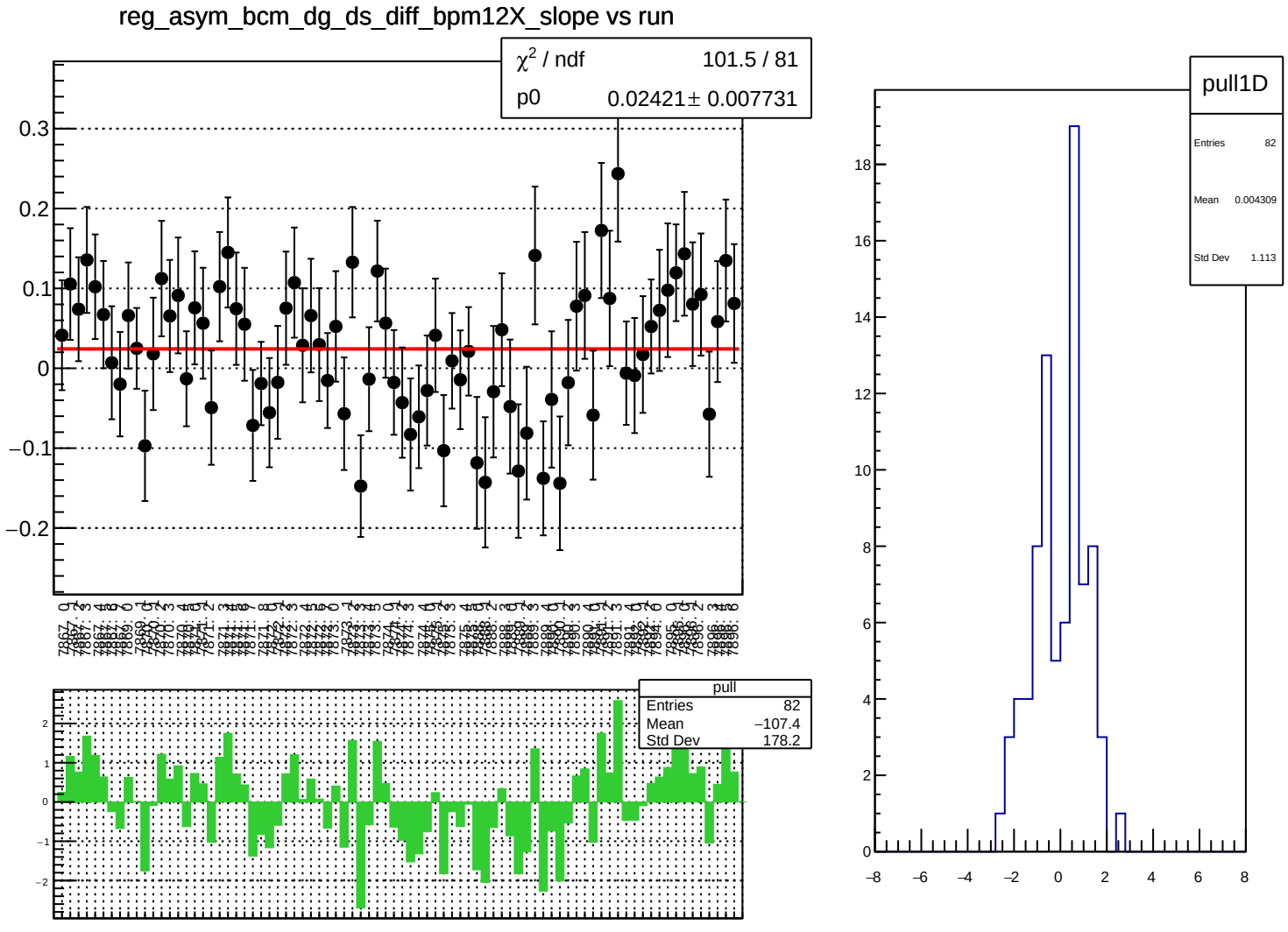

pull1D
Entries 82
Mean 0.1946
Std Dev 1.39

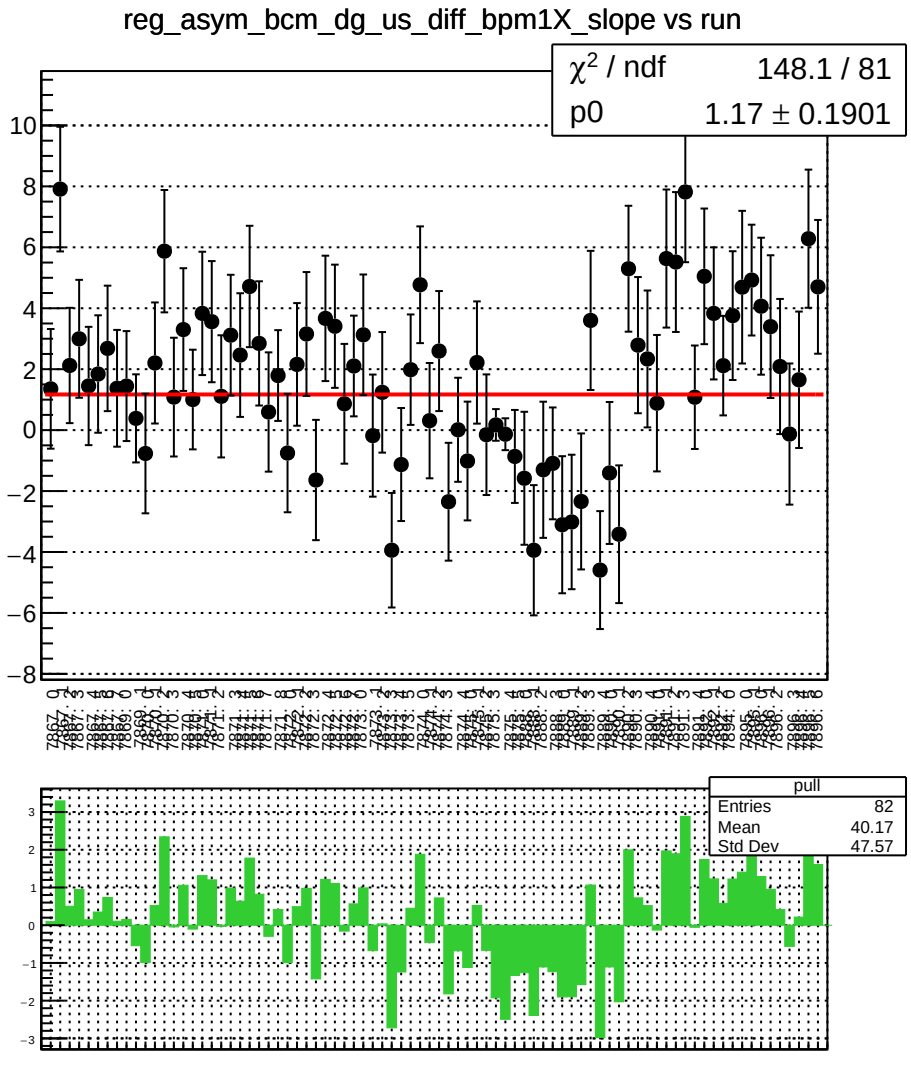

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 84.69 / 81
p0 0.4237 ± 0.2116
pull
Entries 82
Mean −1295
Std Dev 1343
pull1D
Entries 82
Mean 0.003898
Std Dev 1.016

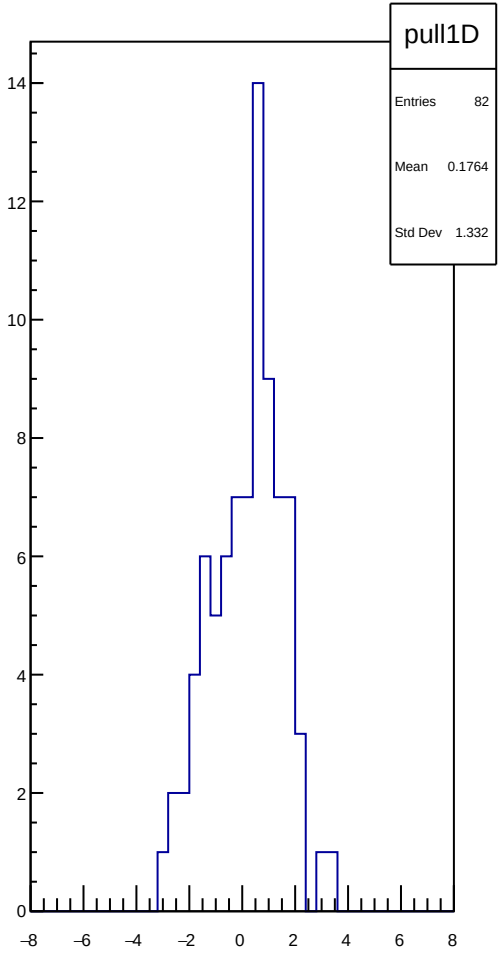

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 167.2 / 81
p0 −0.9371± 0.1559
pull
Entries 82
Mean 43.32
Std Dev 41

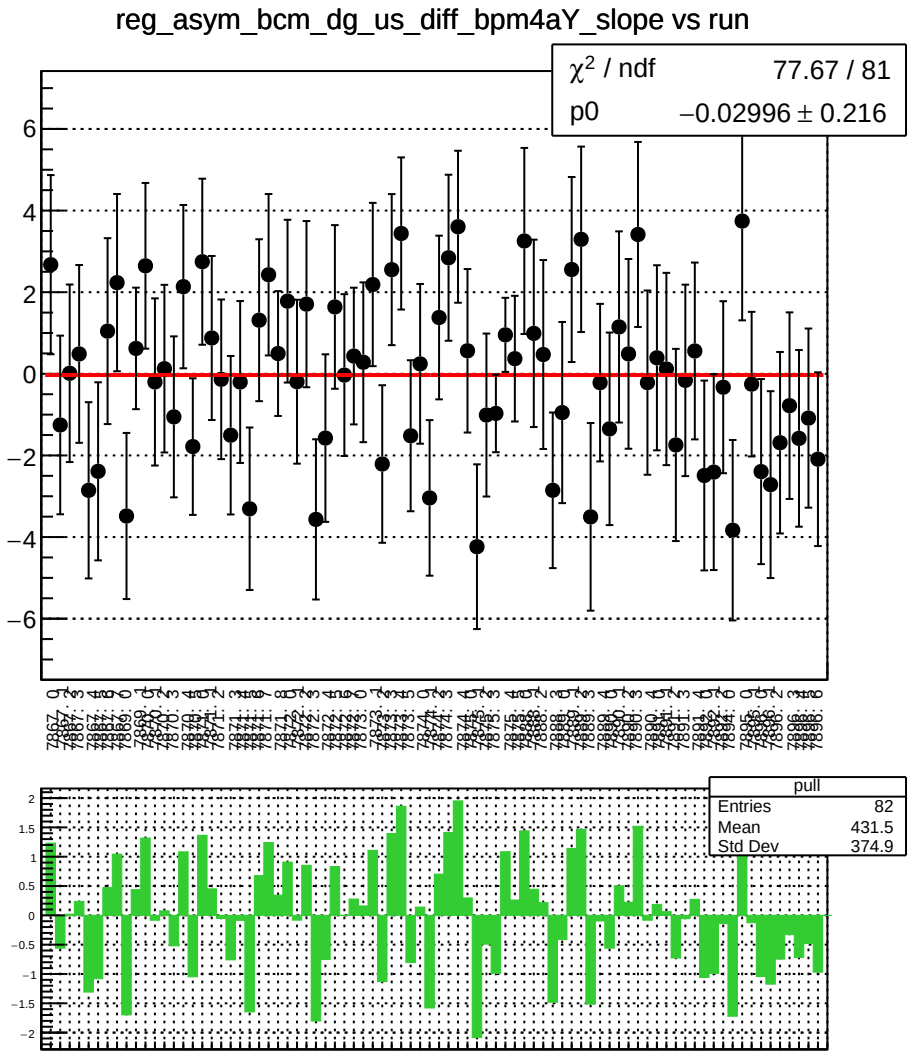

pull1D
Entries 82
Mean −0.2592
Std Dev 1.404

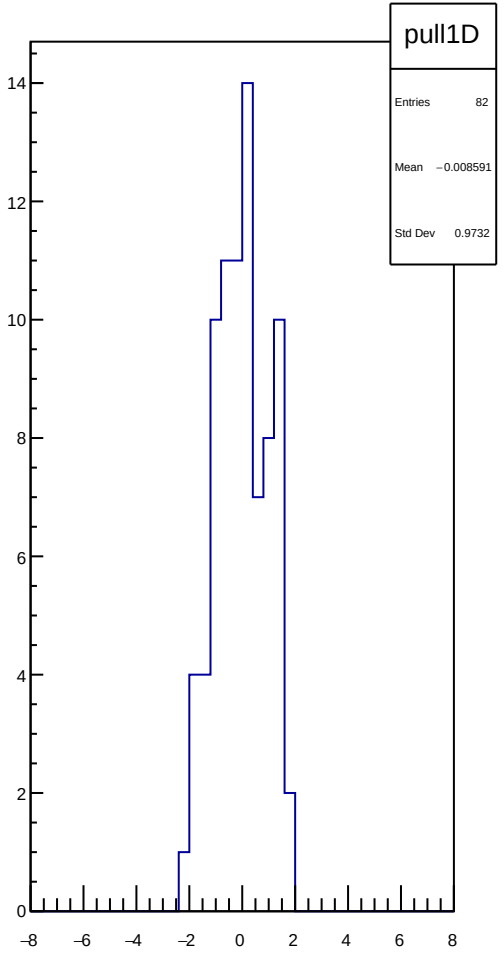

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 82.42 / 81
p0 −1.492 ± 0.2467
pull
Entries 82
Mean 120.1
Std Dev 78.71
pull1D
Entries 82
Mean −0.0296
Std Dev 1.002

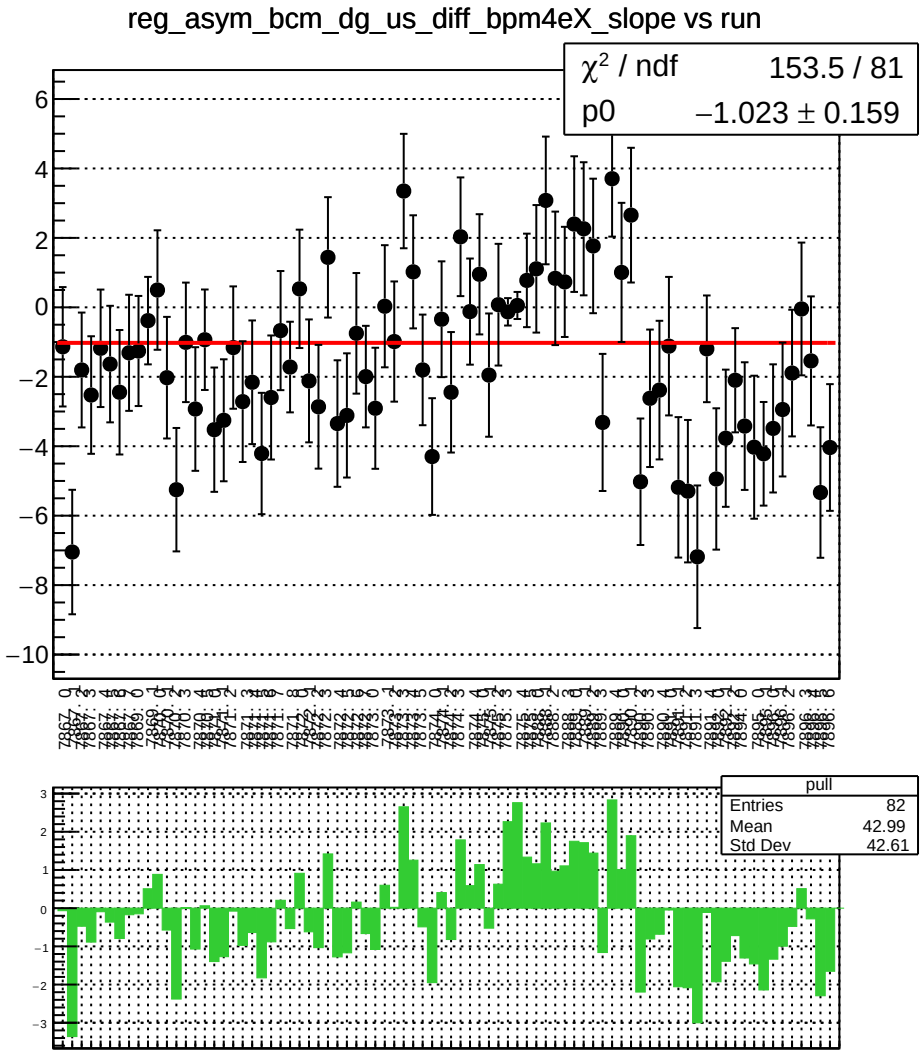

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 101.5 / 81
p0 0.02421± 0.007731
pull
Entries 82
Mean −107.4
Std Dev 178.2
pull1D
Entries 82
Mean 0.004309
Std Dev 1.113

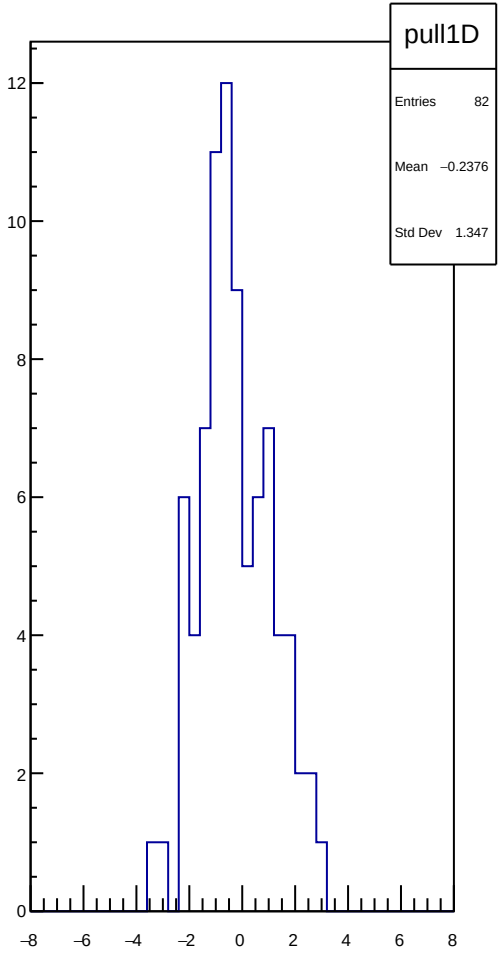

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 148.1 / 81
p0 1.17 ± 0.1901
pull
Entries 82
Mean 40.17
Std Dev 47.57

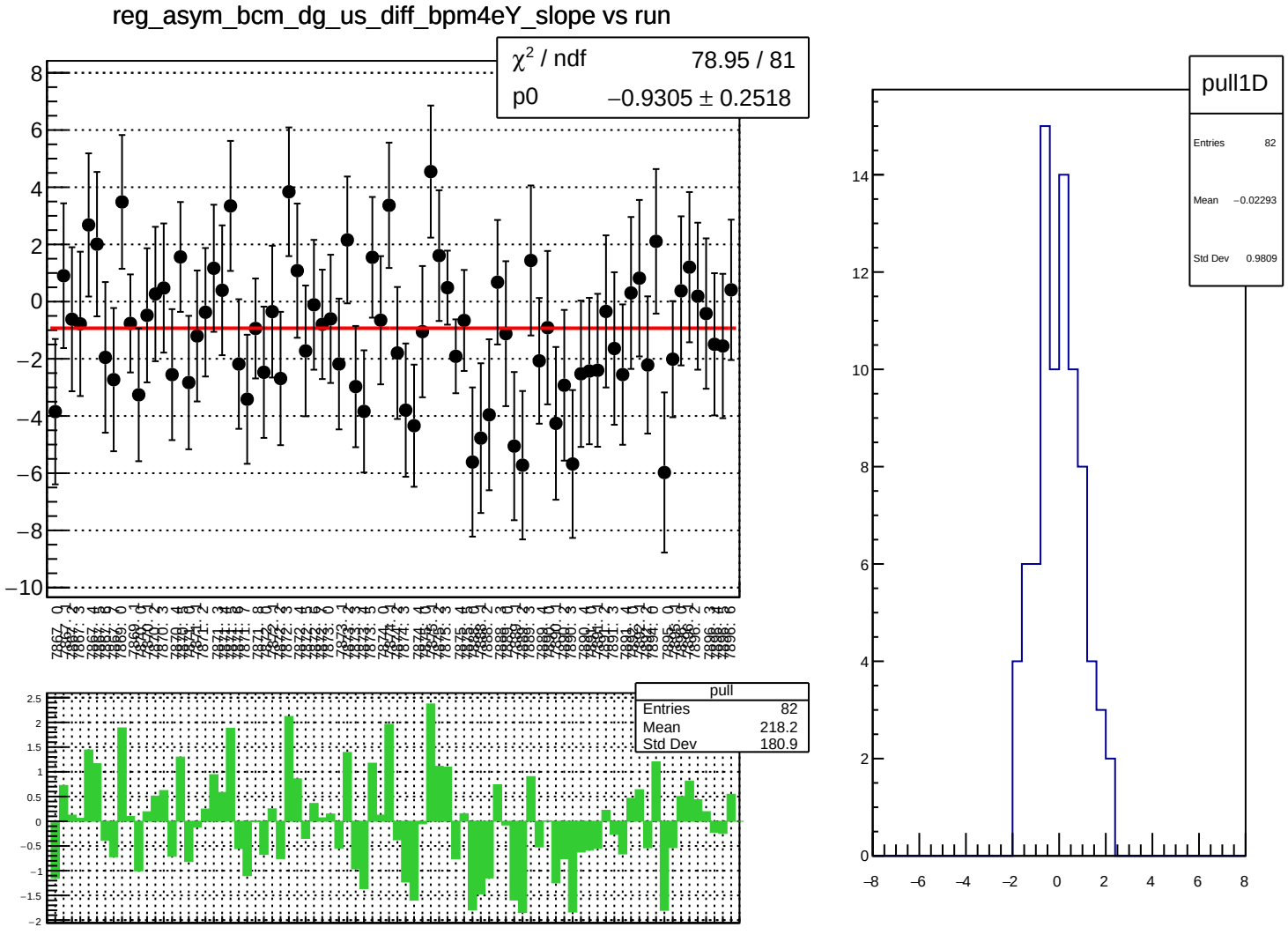

pull1D
Entries 82
Mean 0.1764
Std Dev 1.332

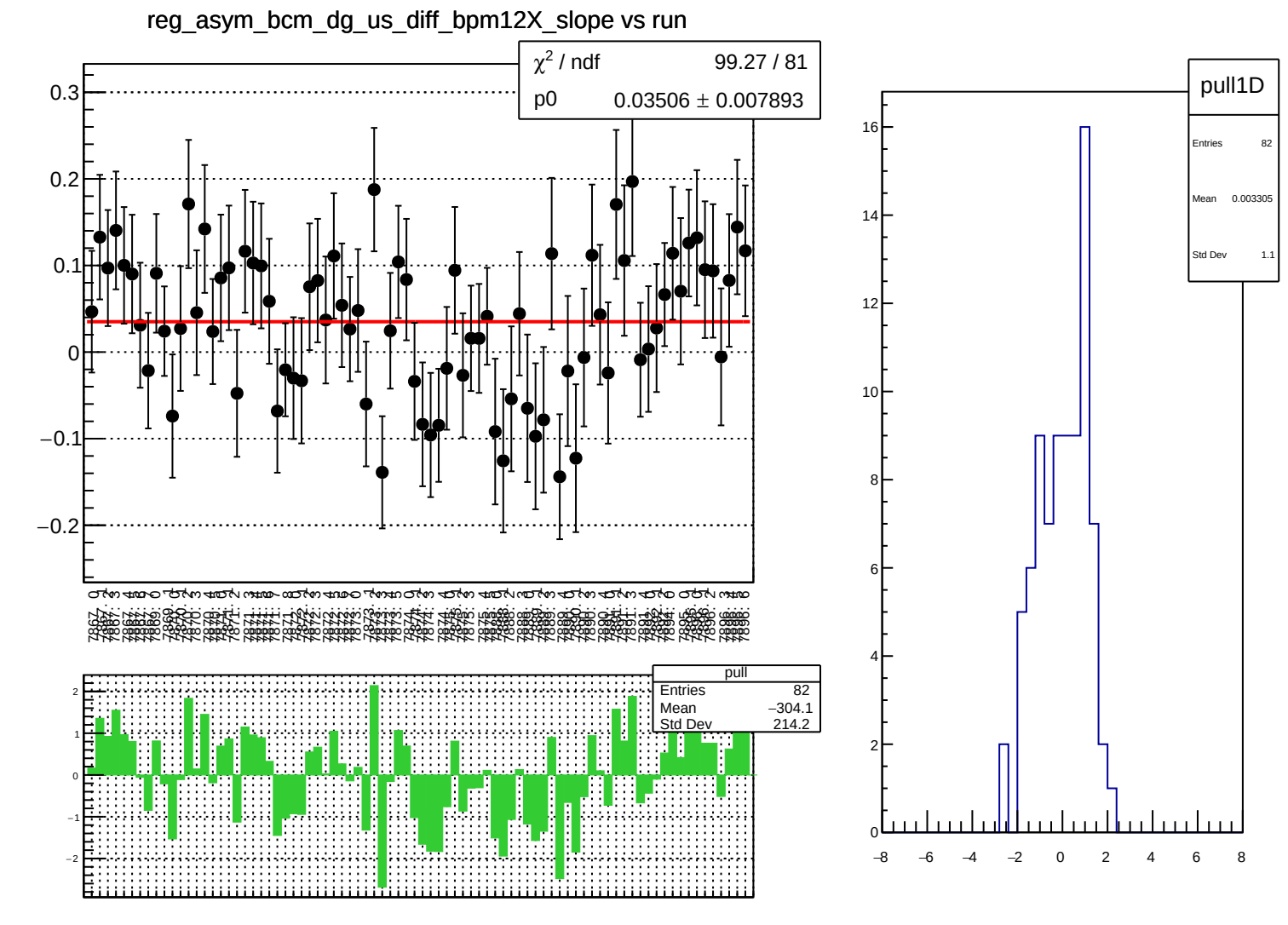

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 77.67 / 81
p0 −0.02996 ± 0.216
pull
Entries 82
Mean 431.5
Std Dev 374.9


pull1D
Entries 82
Mean −0.008591
Std Dev 0.9732


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 153.5 / 81
p0 −1.023 ± 0.159
pull
Entries 82
Mean 42.99
Std Dev 42.61


pull1D
Entries 82
Mean −0.2376
Std Dev 1.347


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 78.95 / 81
p0 −0.9305 ± 0.2518
pull
Entries 82
Mean 218.2
Std Dev 180.9
pull1D
Entries 82
Mean −0.02293
Std Dev 0.9809


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 99.27 / 81
p0 0.03506 ± 0.007893
pull
Entries 82
Mean −304.1
Std Dev 214.2
pull1D
Entries 82
Mean 0.003305
Std Dev 1.1