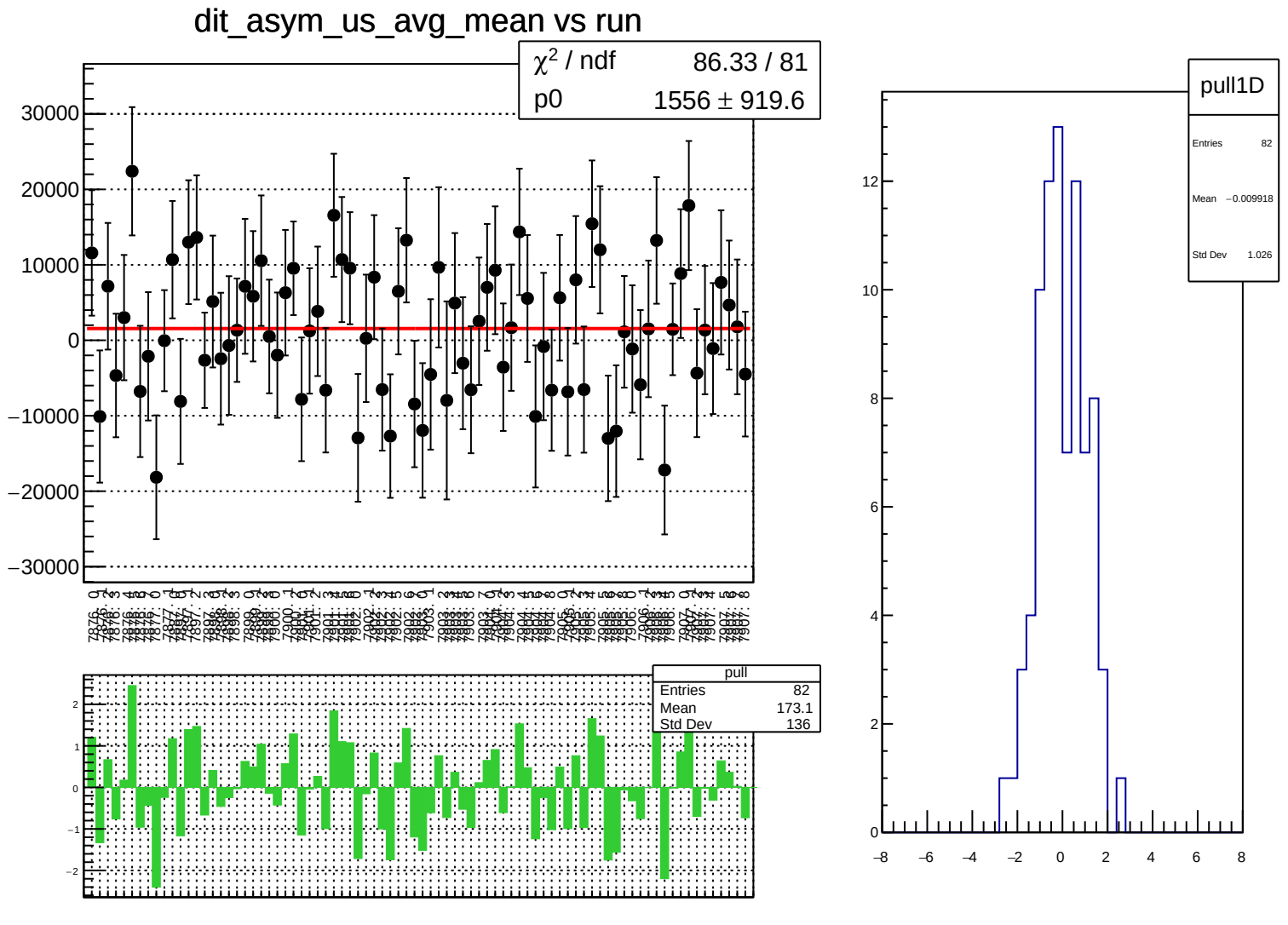
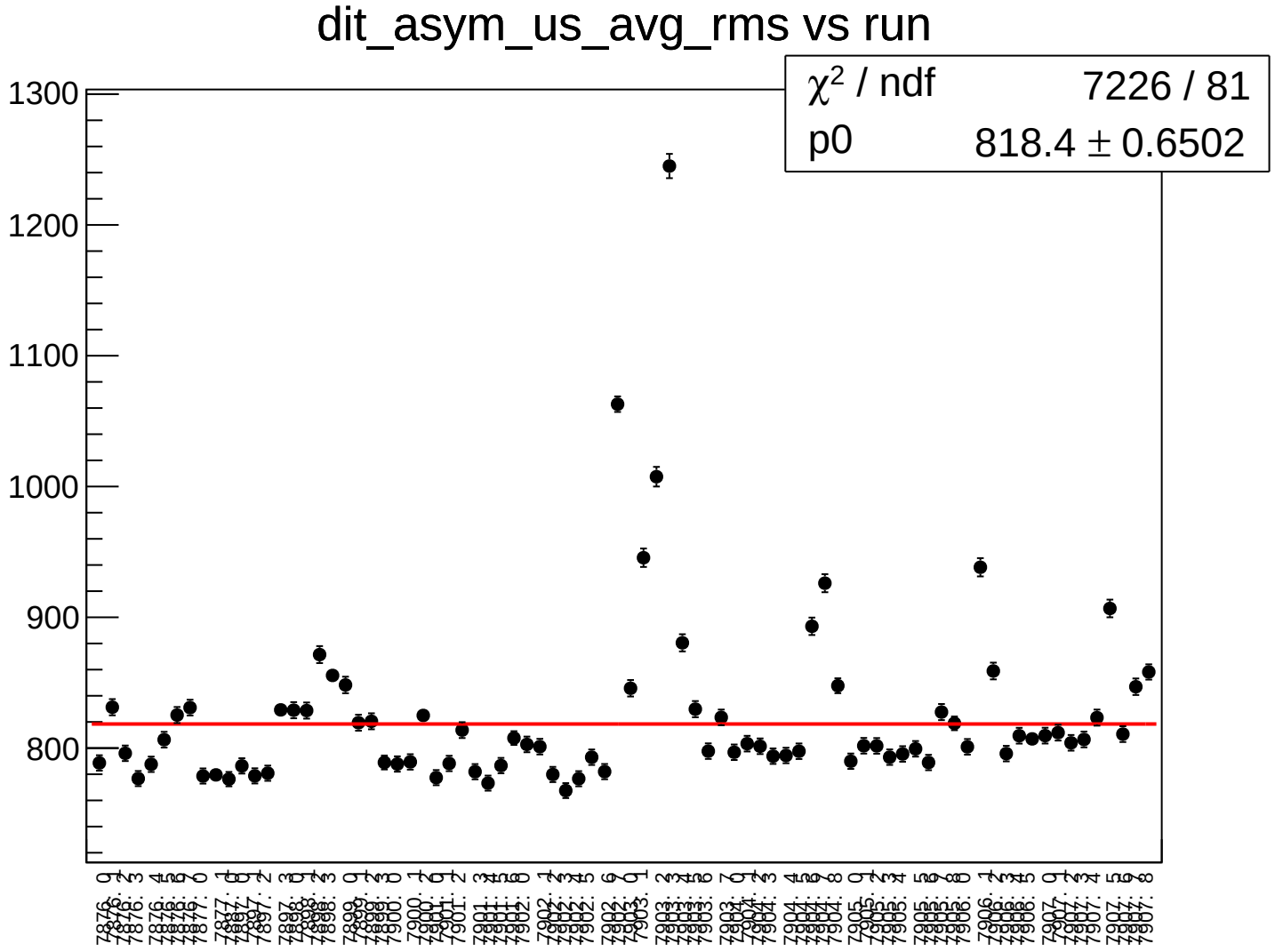
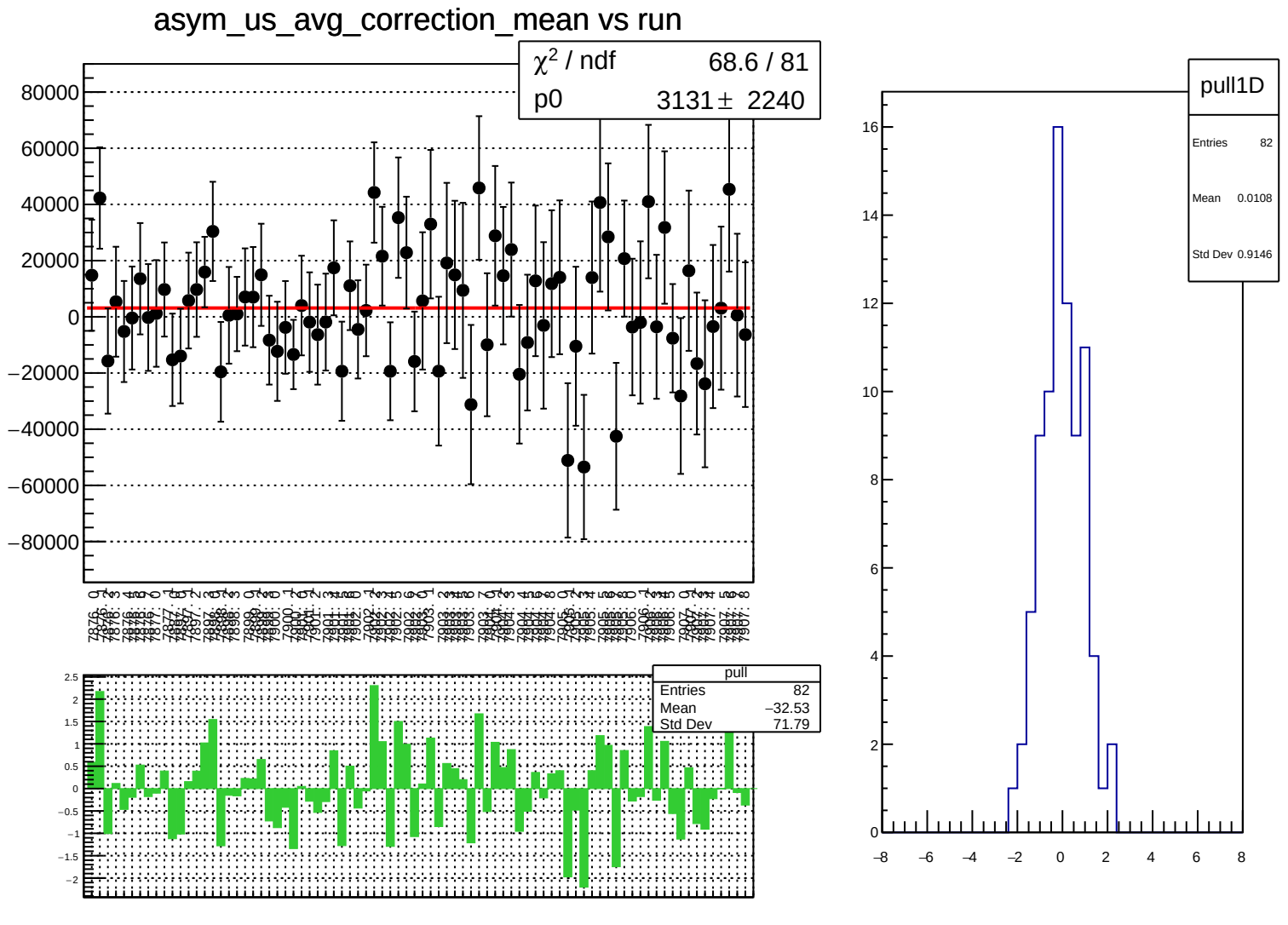
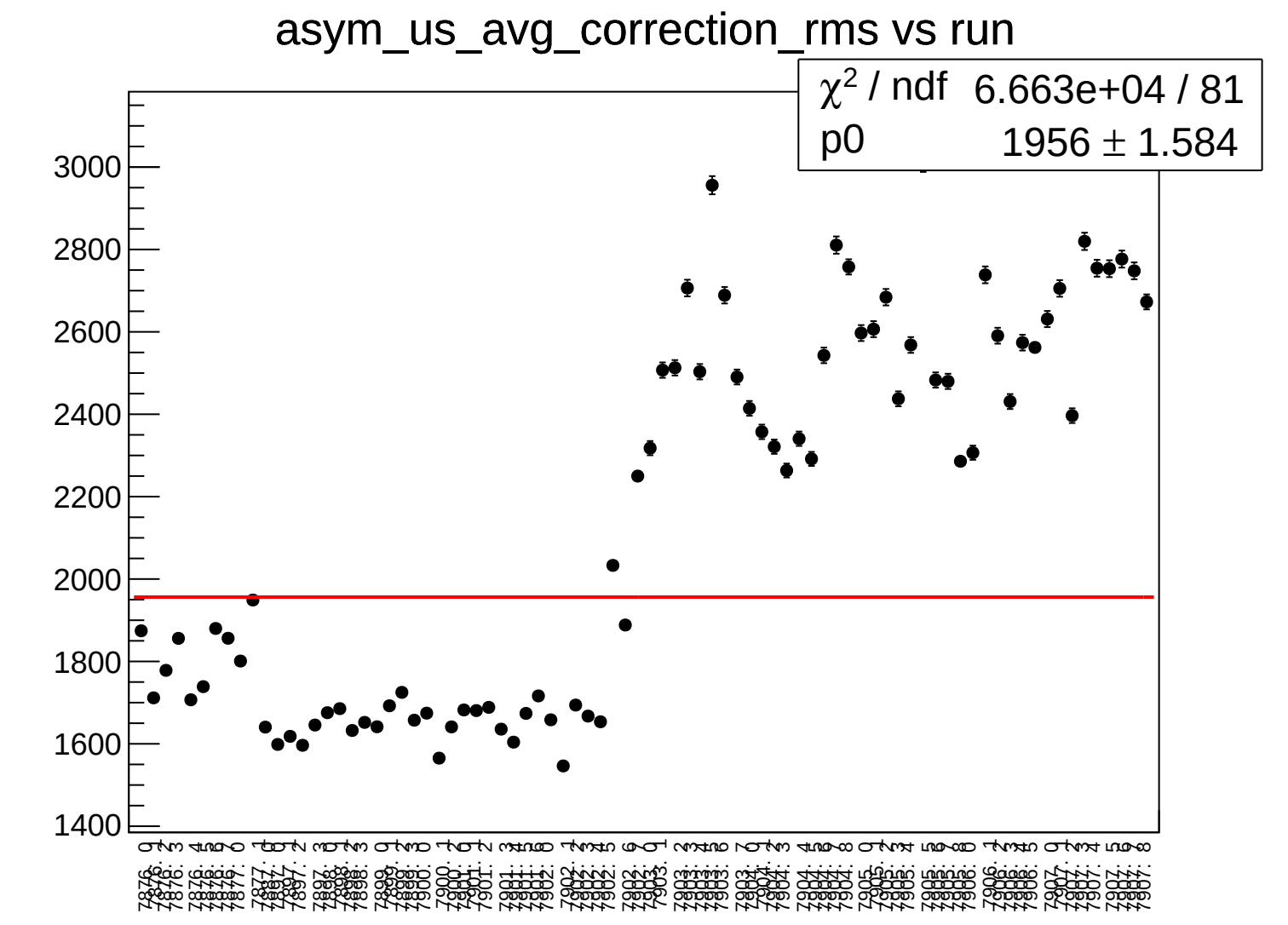
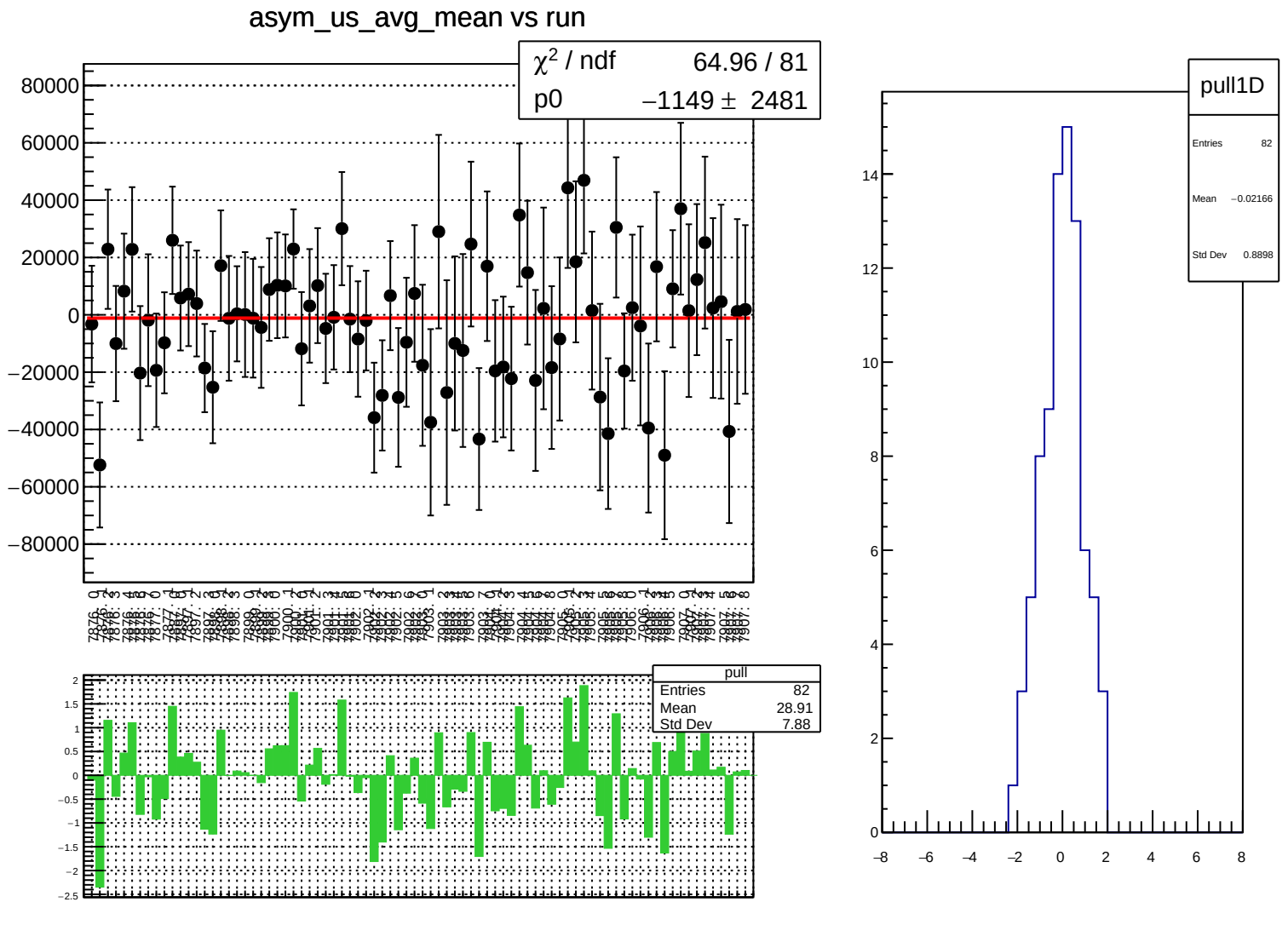
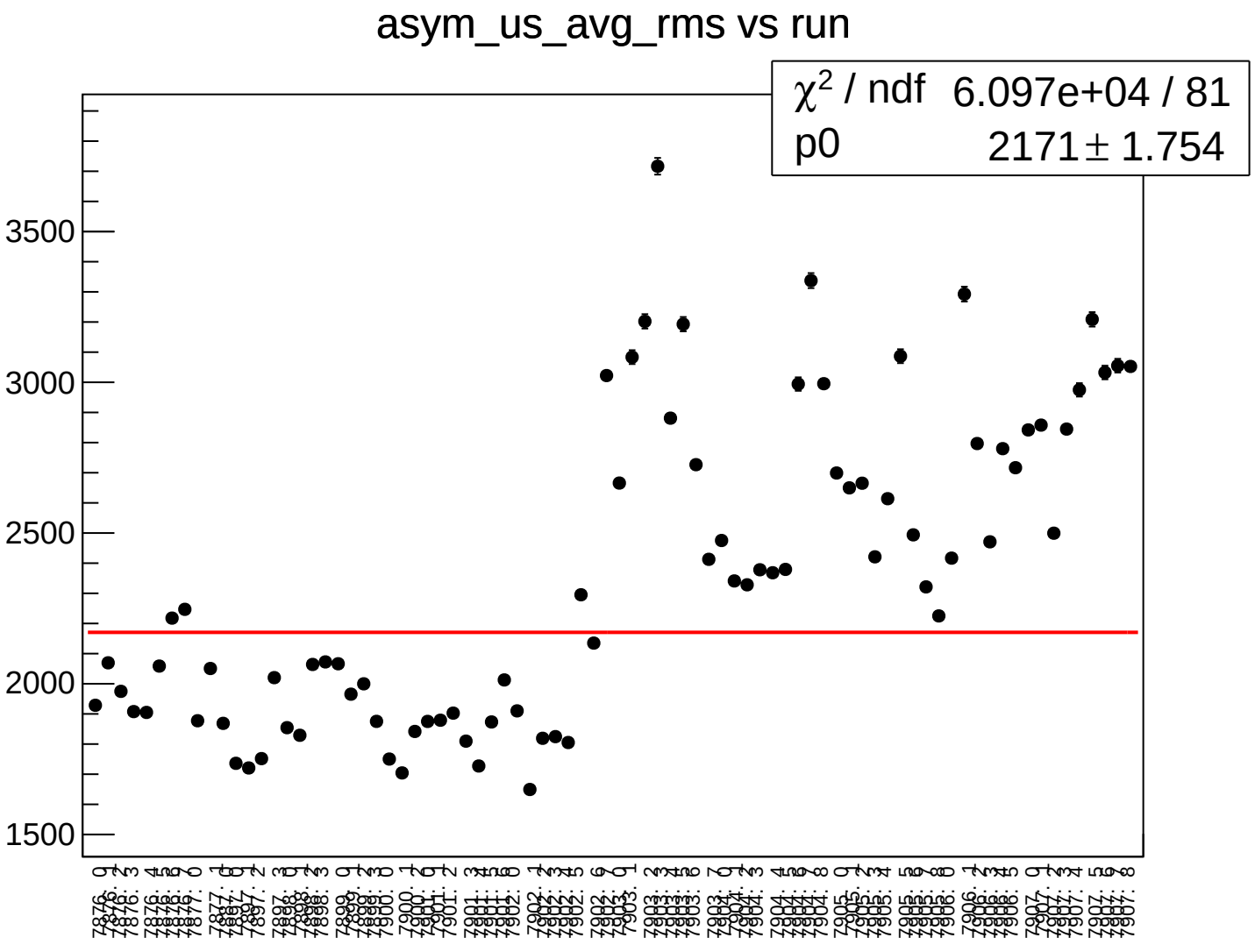

dit_asym_us_avg_mean vs run
χ² / ndf 86.33 / 81
p0 1556 ± 919.6
pull
Entries 82
Mean 173.1
Std Dev 136
pull1D
Entries 82
Mean −0.009918
Std Dev 1.026

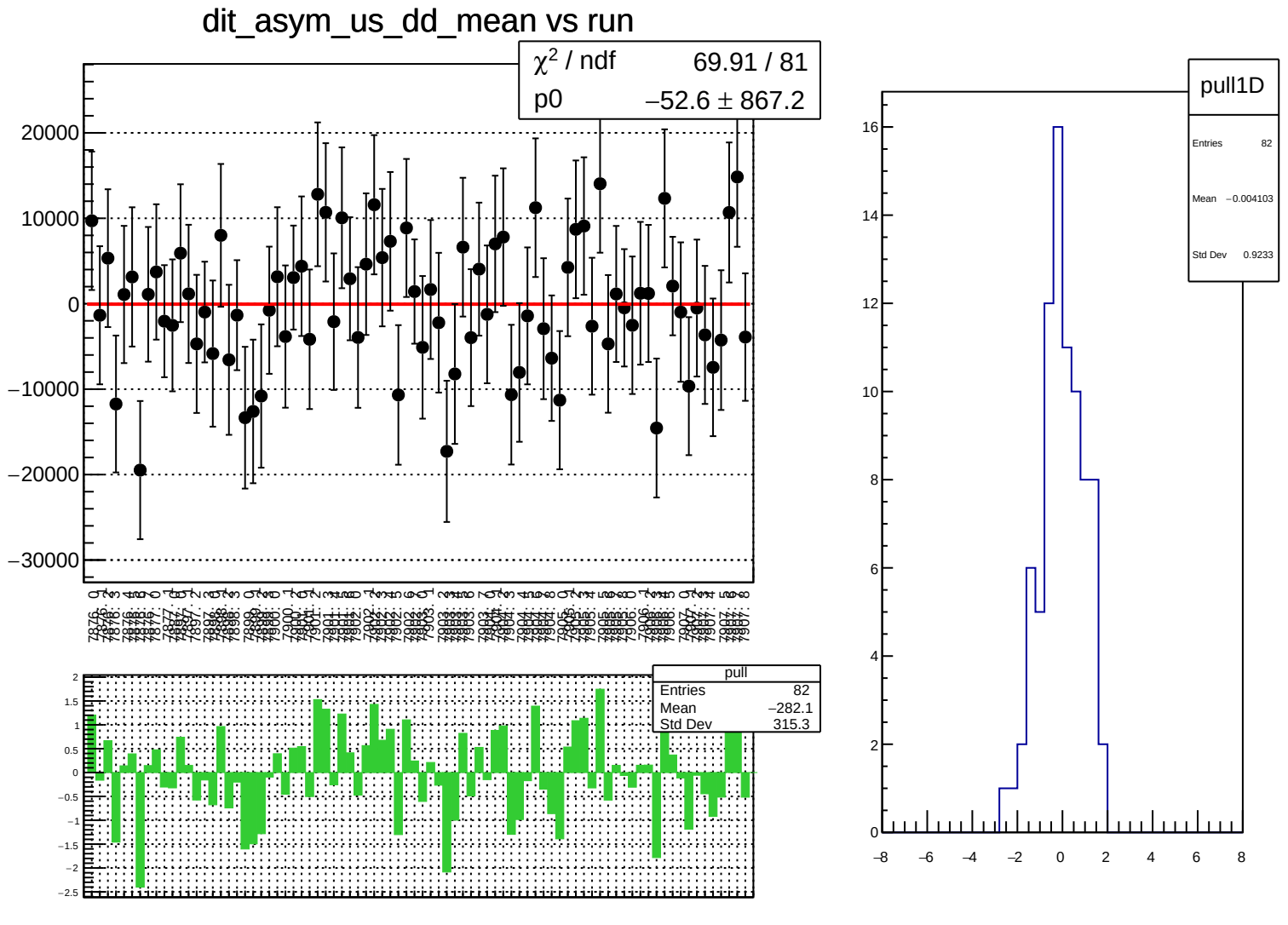

dit_asym_us_avg_rms vs run
χ^2 / ndf 7226 / 81
p0 818.4 ± 0.6502
1300
1200
1100
1000
900
800

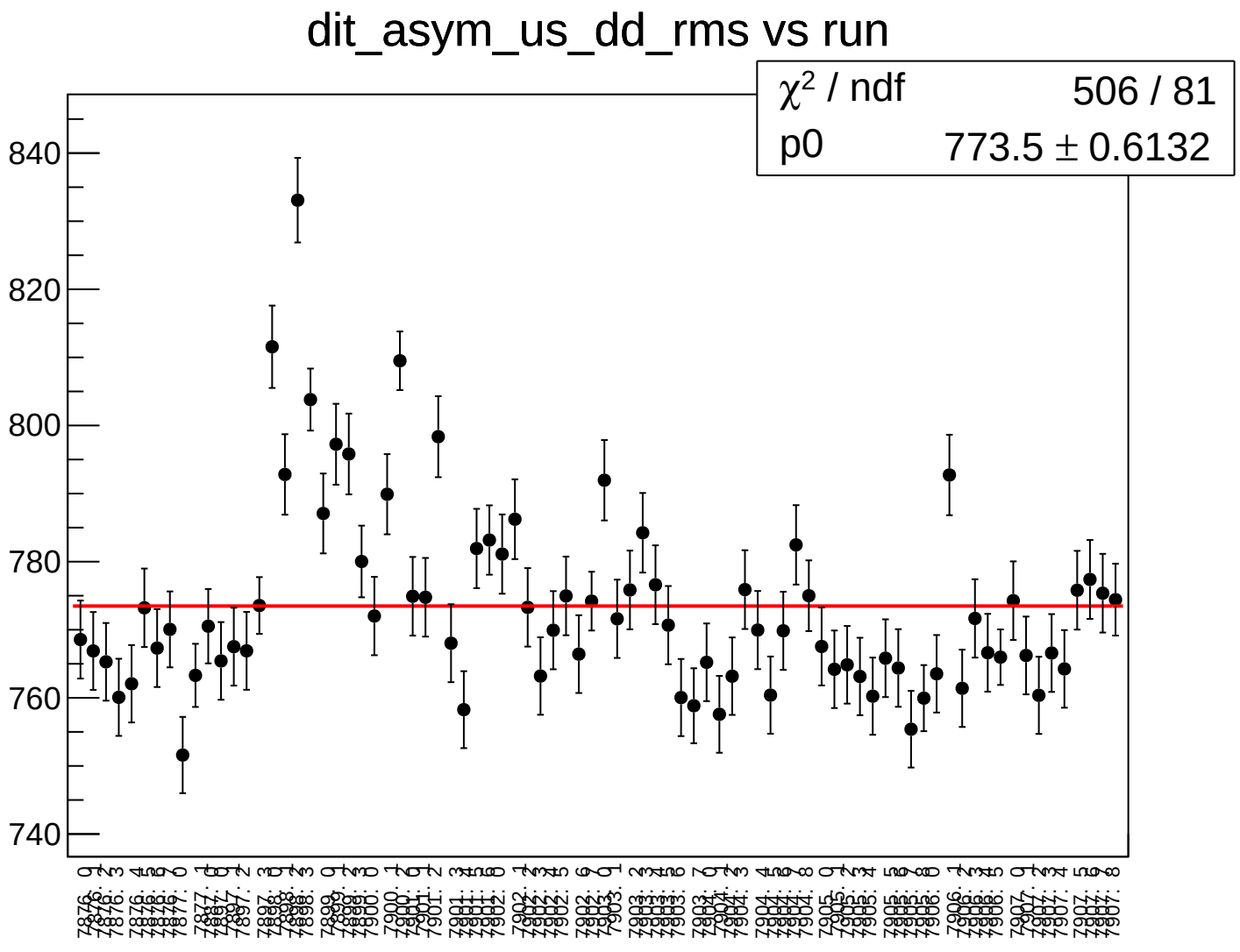

asym_us_avg_correction_mean vs run
χ² / ndf 68.6 / 81
p0 3131 ± 2240
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −32.53
Std Dev 71.79
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.0108
Std Dev 0.9146
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

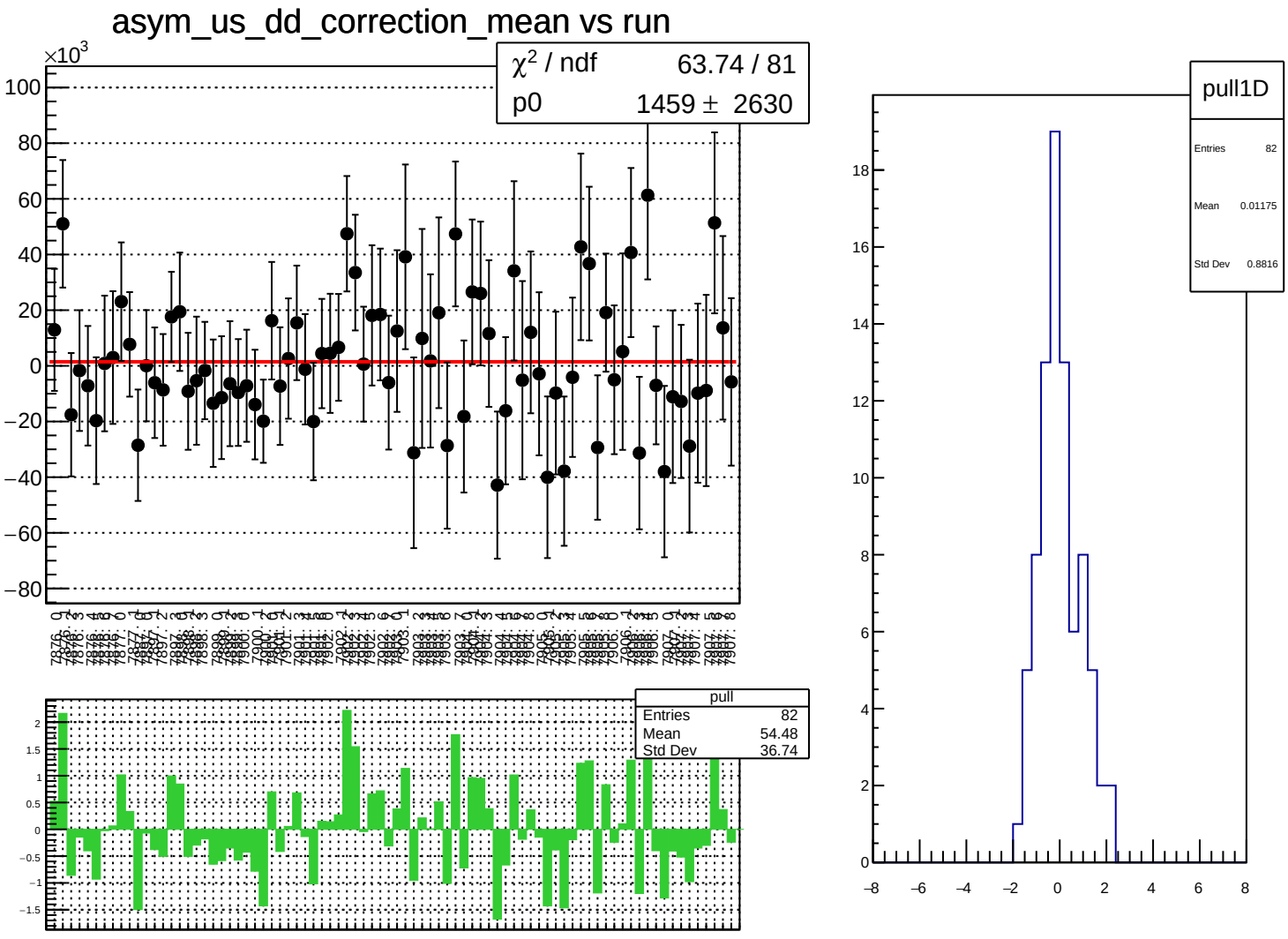

asym_us_avg_correction_rms vs run
χ² / ndf 6.663e+04 / 81
p0 1956 ± 1.584
3000
2800
2600
2400
2200
2000
1800
1600
1400


asym_us_avg_mean vs run
χ² / ndf 64.96 / 81
p0 −1149 ± 2481
pull
Entries 82
Mean 28.91
Std Dev 7.88
pull1D
Entries 82
Mean −0.02166
Std Dev 0.8898

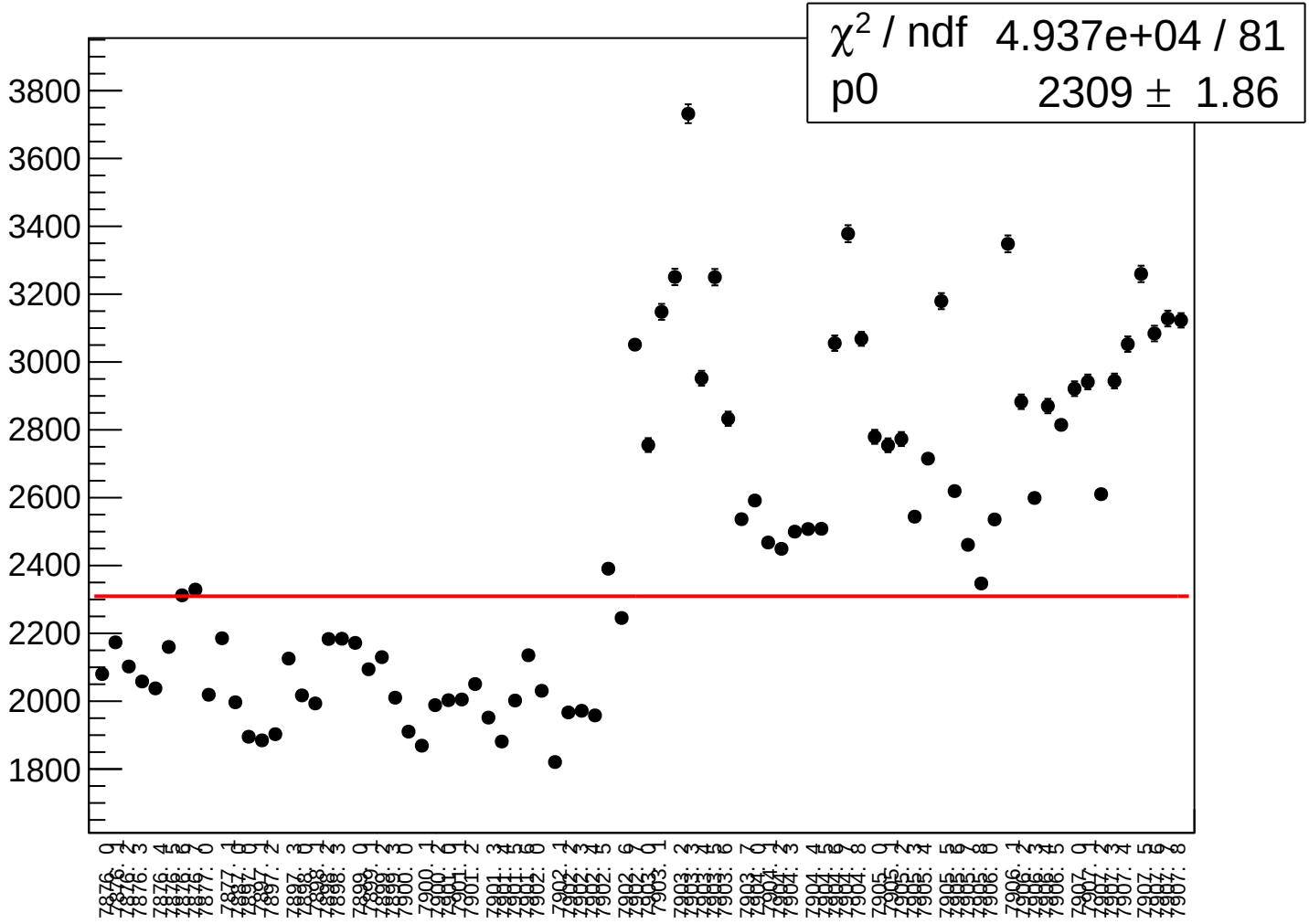

asym_us_avg_rms vs run
χ^2 / ndf 6.097e+04 / 81
p0 2171 ± 1.754
3500
3000
2500
2000
1500

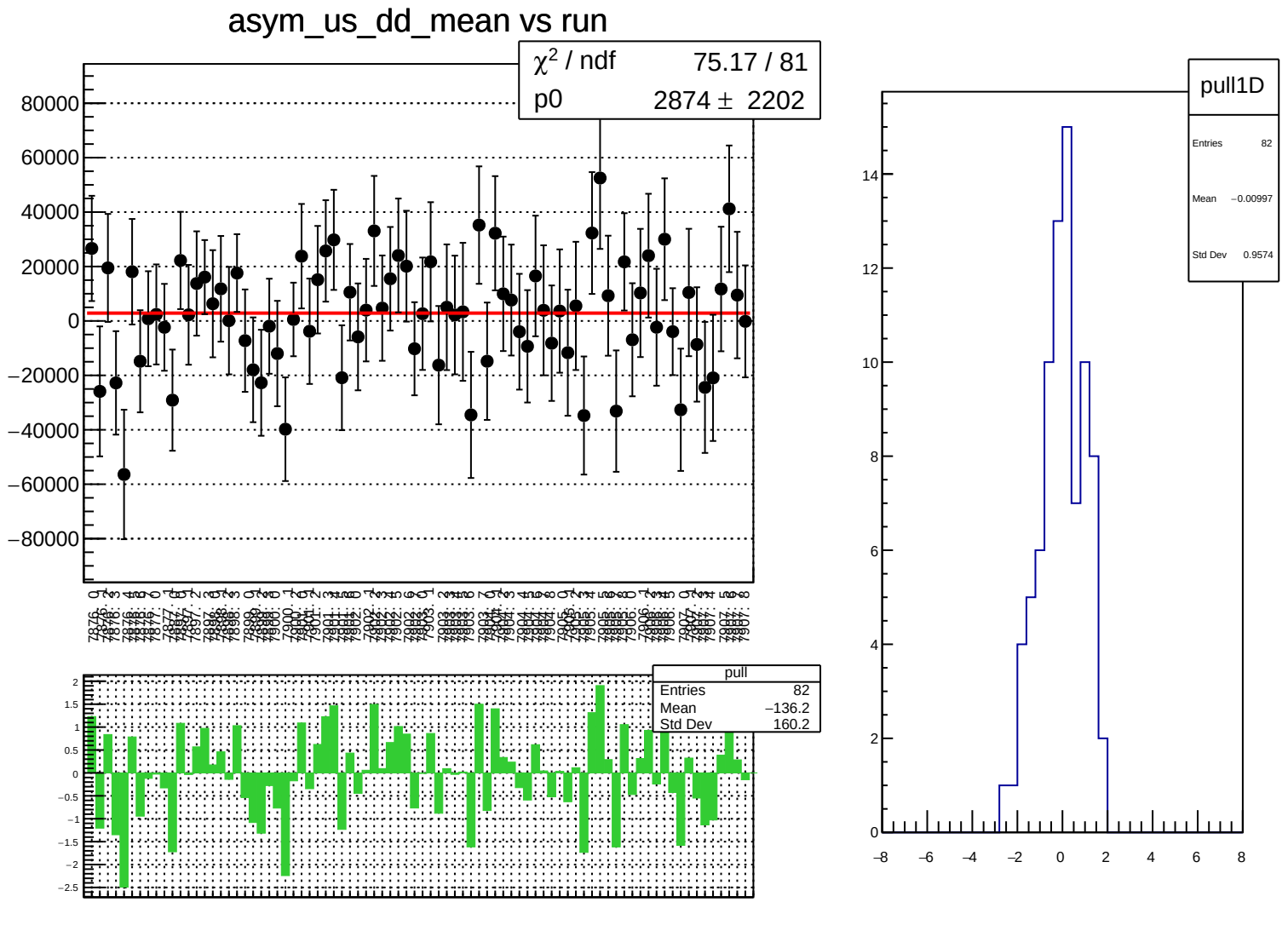

dit_asym_us_dd_mean vs run
χ² / ndf 69.91 / 81
p0 −52.6 ± 867.2
pull
Entries 82
Mean −282.1
Std Dev 315.3
pull1D
Entries 82
Mean −0.004103
Std Dev 0.9233


dit_asym_us_dd_rms vs run
χ² / ndf 506 / 81
p0 773.5 ± 0.6132
840
820
800
780
760
740

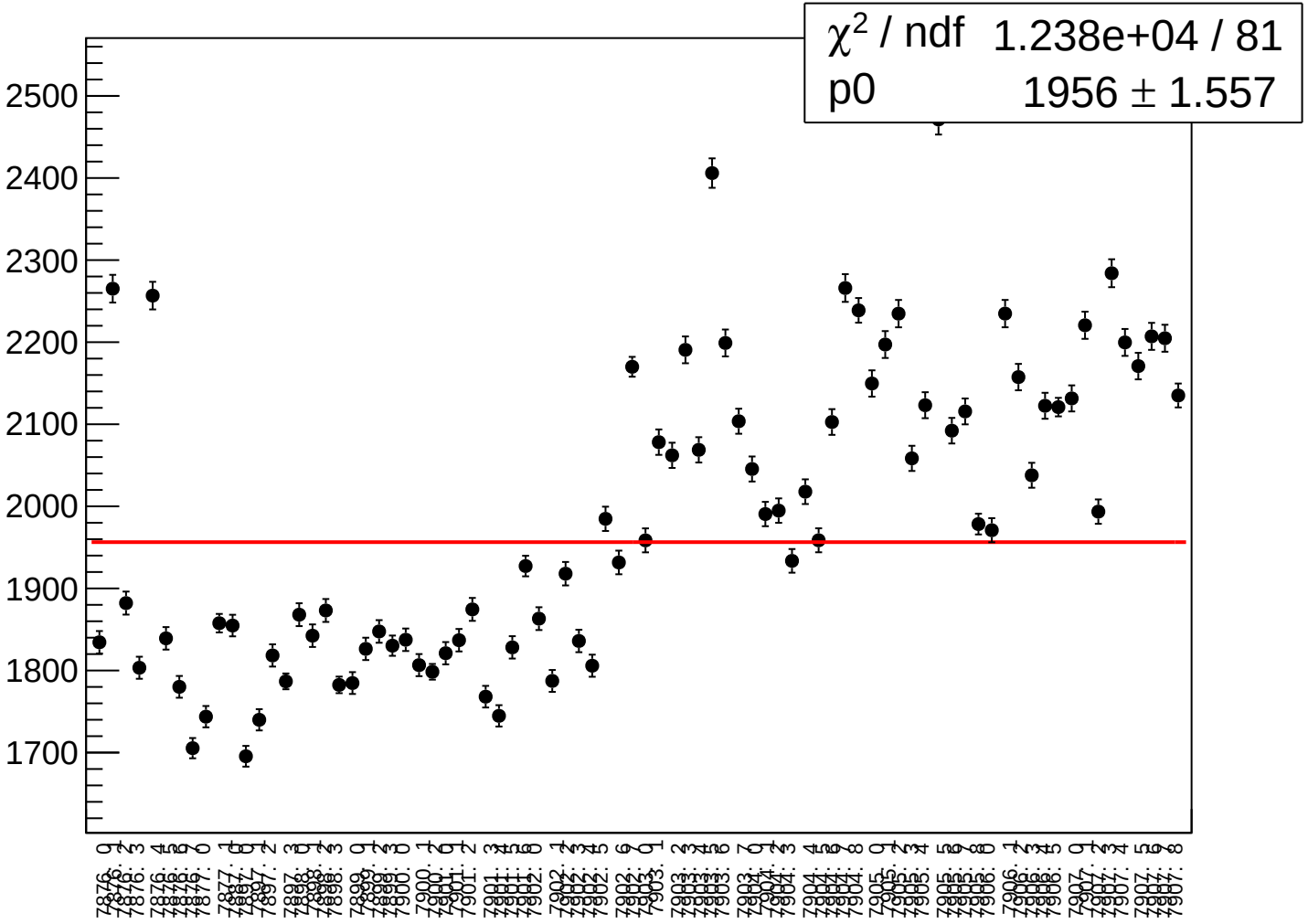

asym_us_dd_correction_mean vs run
×10^3
χ^2 / ndf 63.74 / 81
p0 1459 ± 2630
pull
Entries 82
Mean 54.48
Std Dev 36.74
pull1D
Entries 82
Mean 0.01175
Std Dev 0.8816

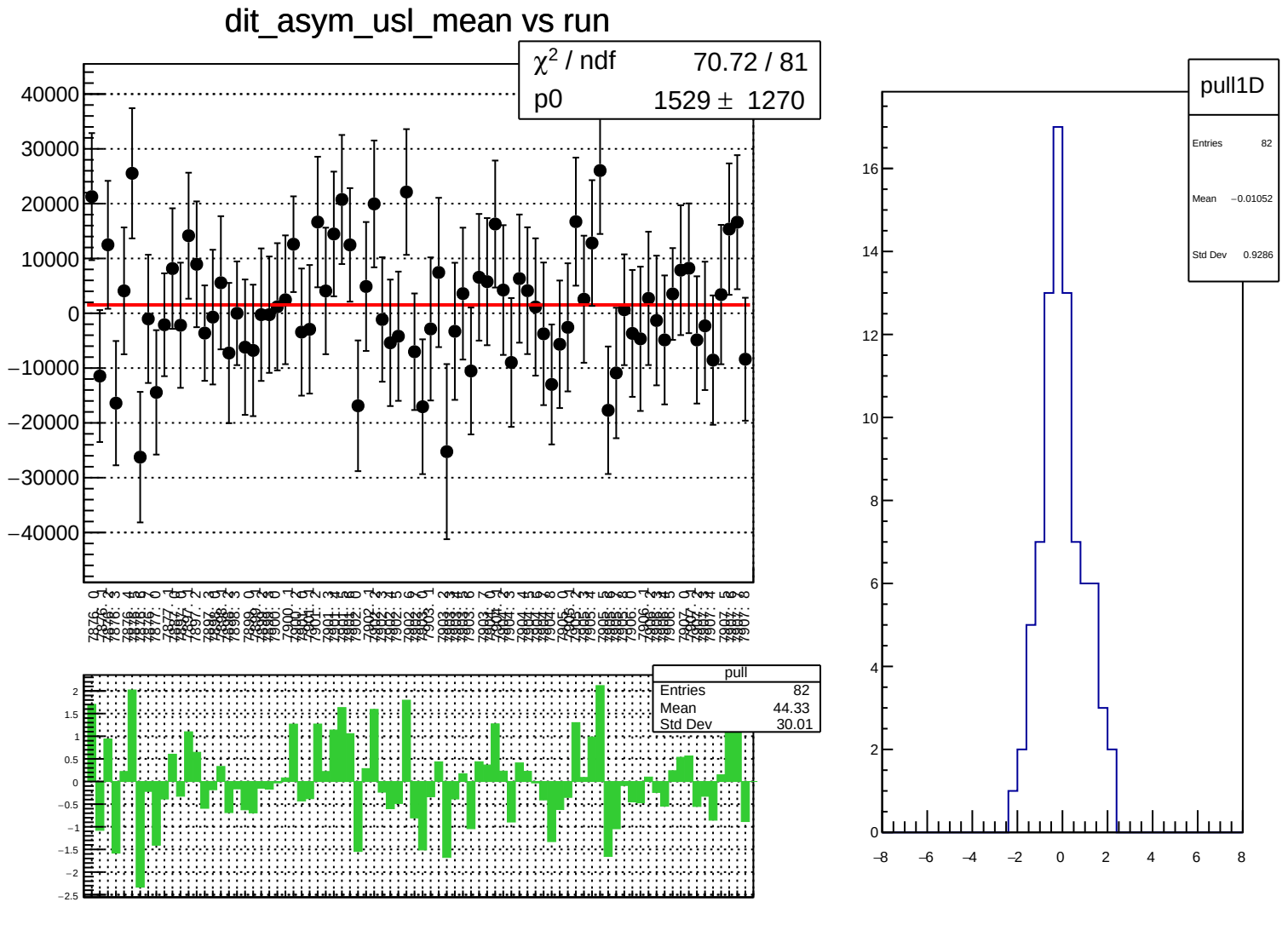
asym_us_dd_correction_rms vs run



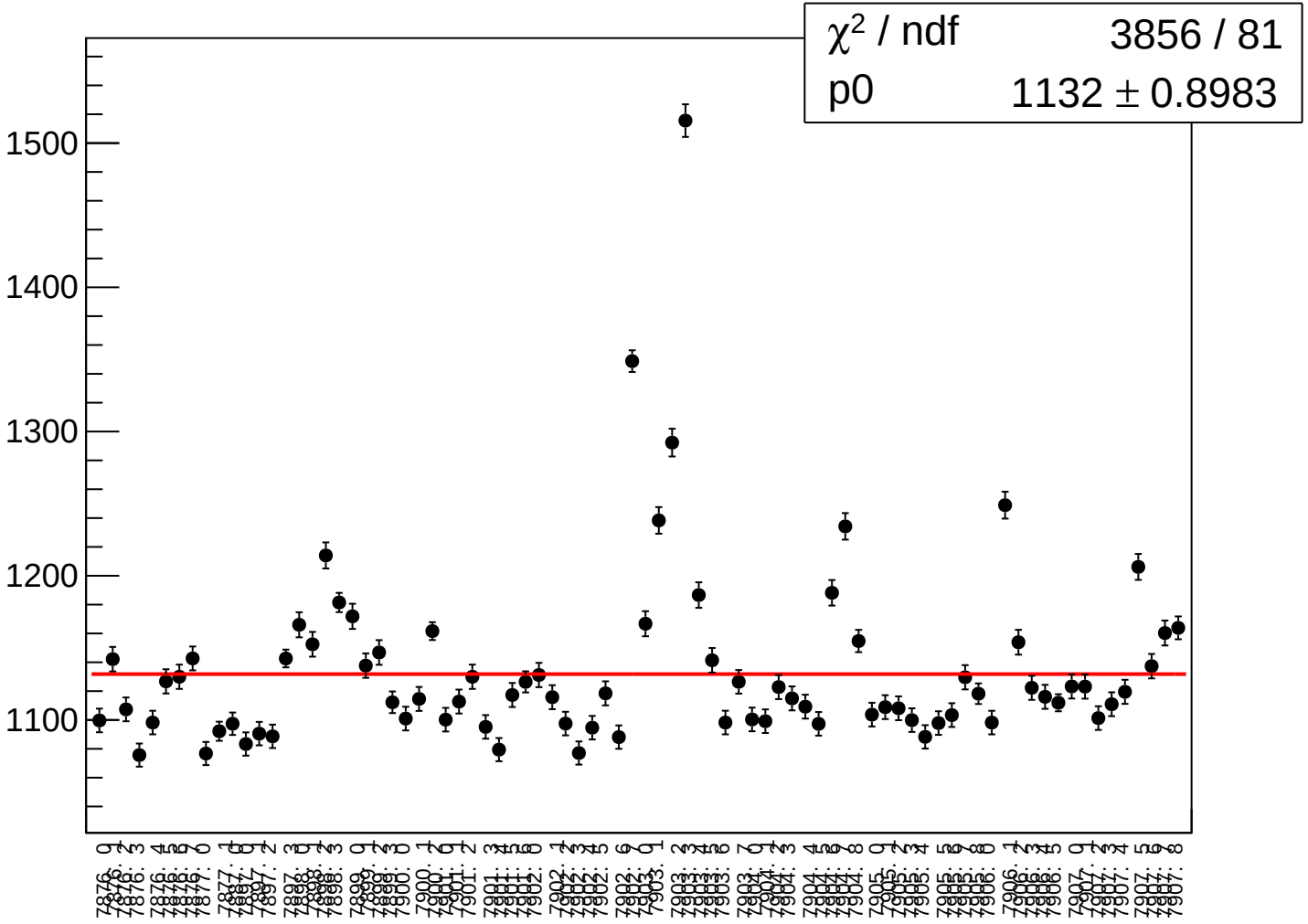

asym_us_dd_mean vs run
χ² / ndf 75.17 / 81
p0 2874 ± 2202
pull
Entries 82
Mean −136.2
Std Dev 160.2
pull1D
Entries 82
Mean −0.00997
Std Dev 0.9574

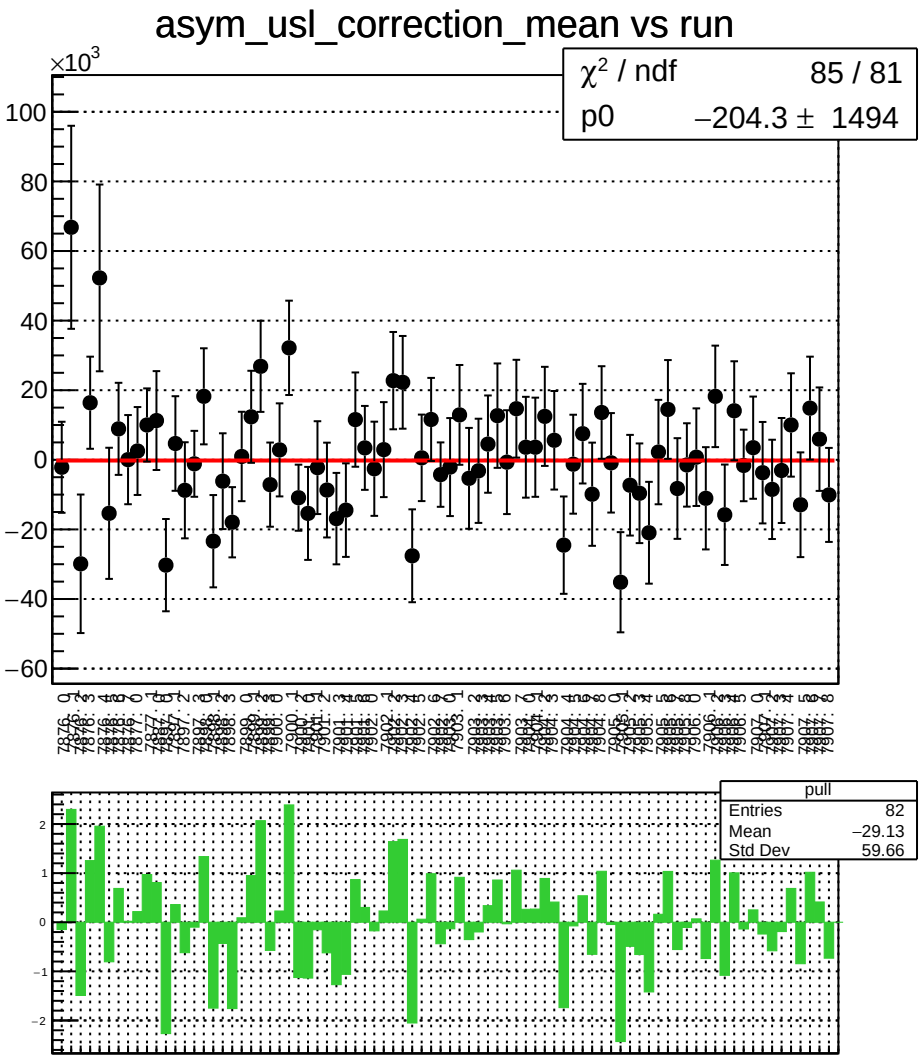
asym_us_dd_rms vs run

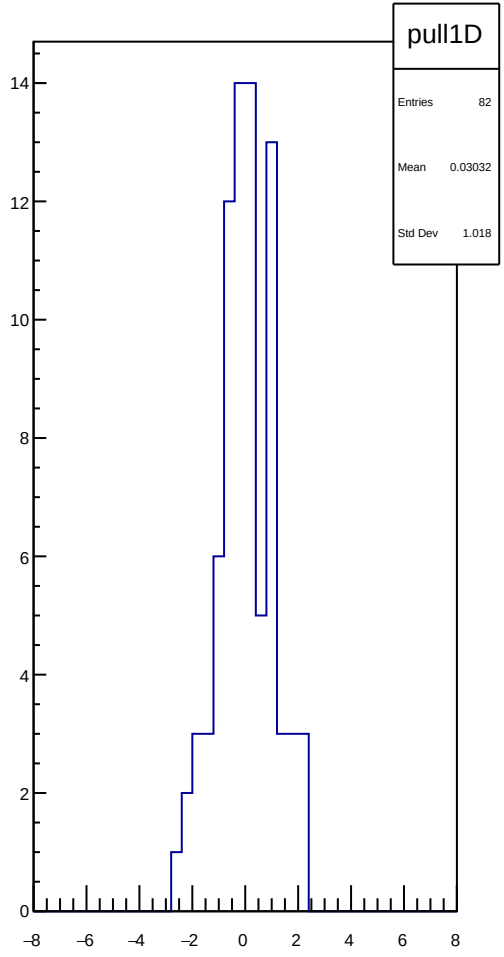



dit_asym_usl_mean vs run
χ² / ndf 70.72 / 81
p0 1529 ± 1270
pull
Entries 82
Mean 44.33
Std Dev 30.01
pull1D
Entries 82
Mean −0.01052
Std Dev 0.9286

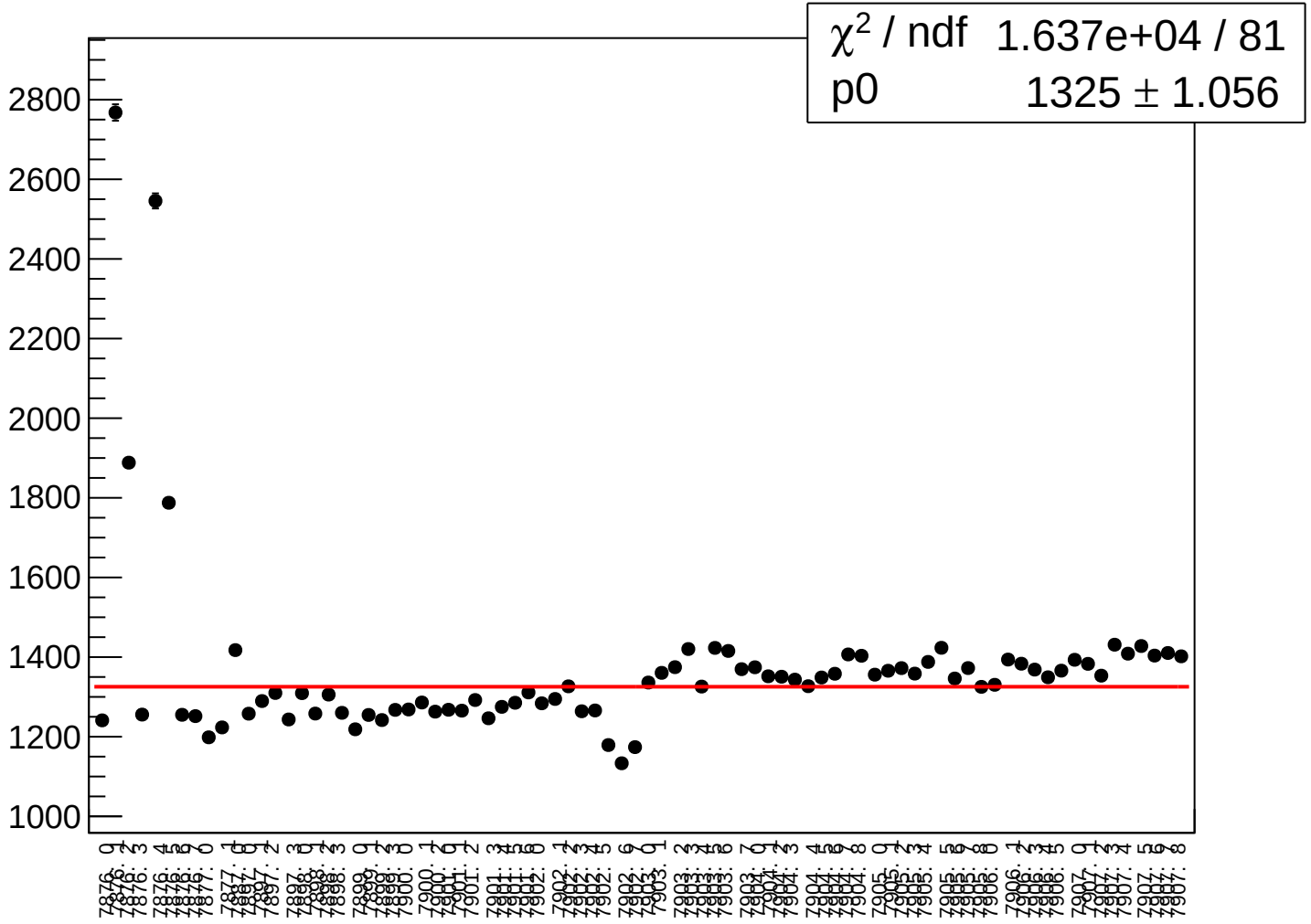
dit_asym_usl_rms vs run

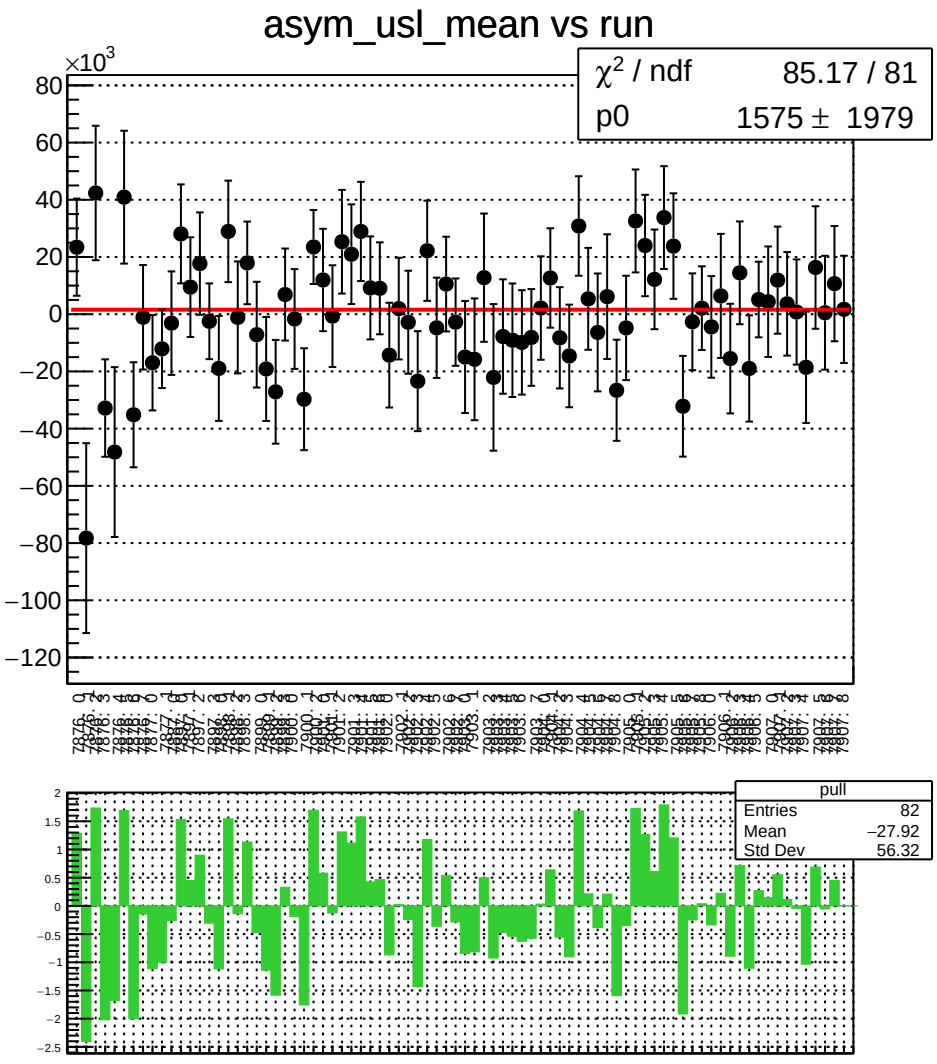


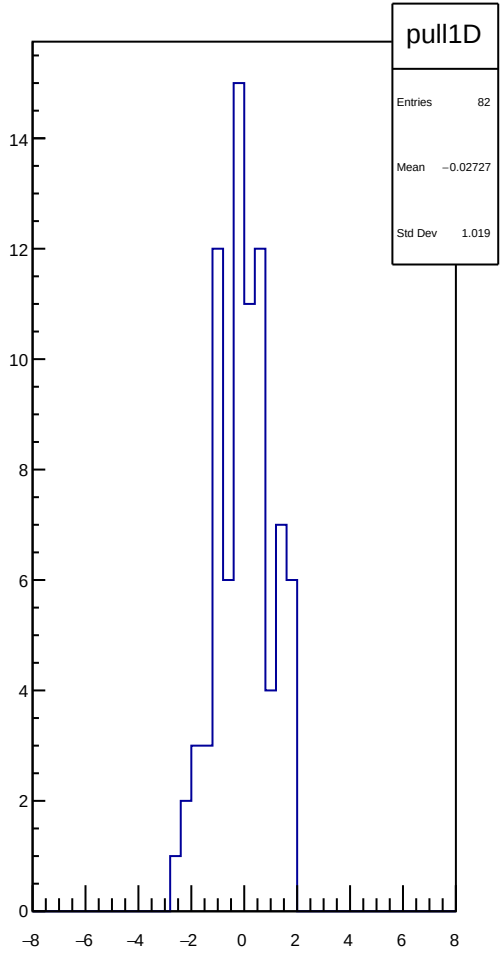

asym_usl_correction_mean vs run
×10^3
χ² / ndf 85 / 81
p0 −204.3 ± 1494
pull
Entries 82
Mean −29.13
Std Dev 59.66

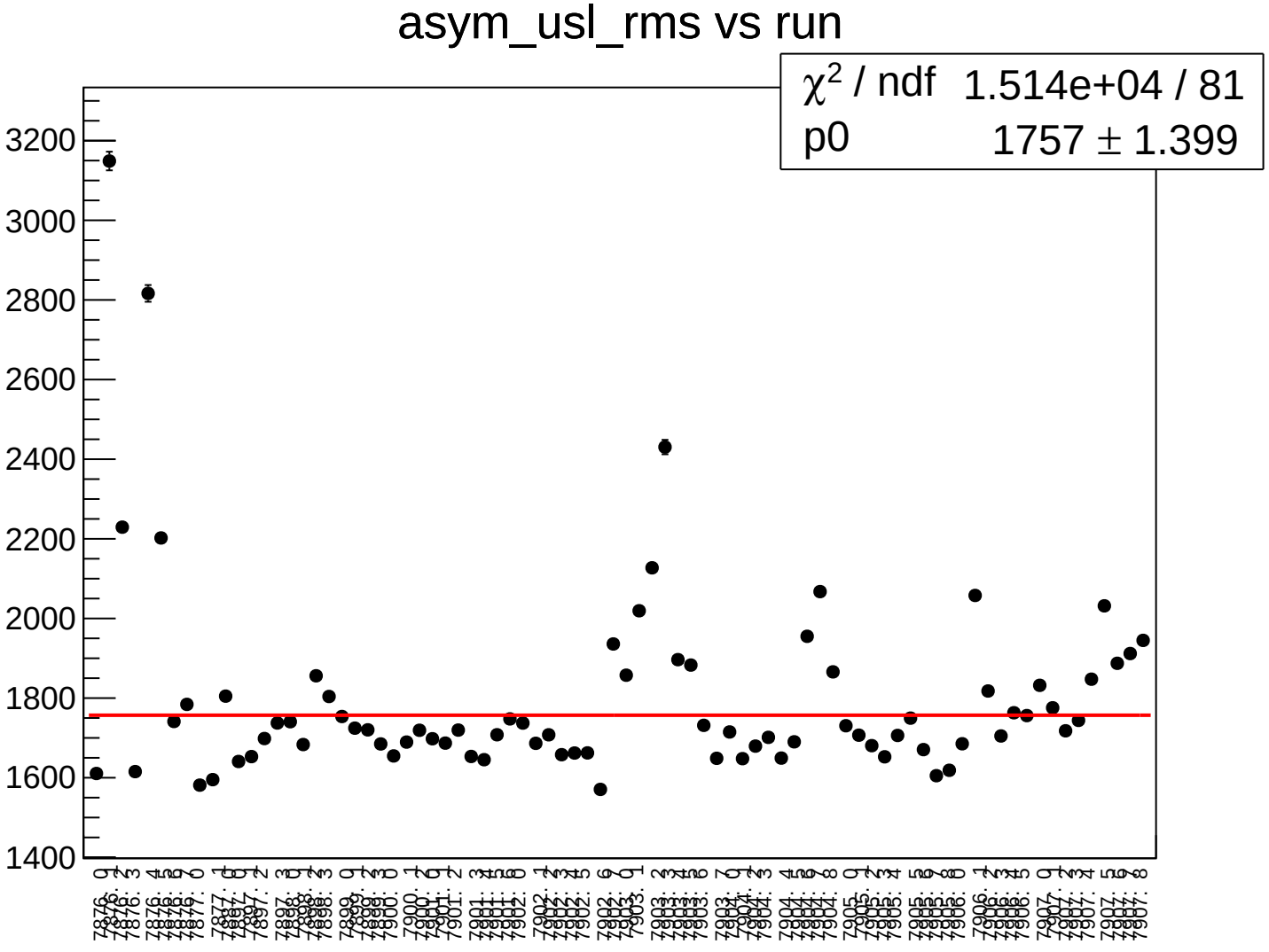

pull1D
Entries 82
Mean 0.03032
Std Dev 1.018

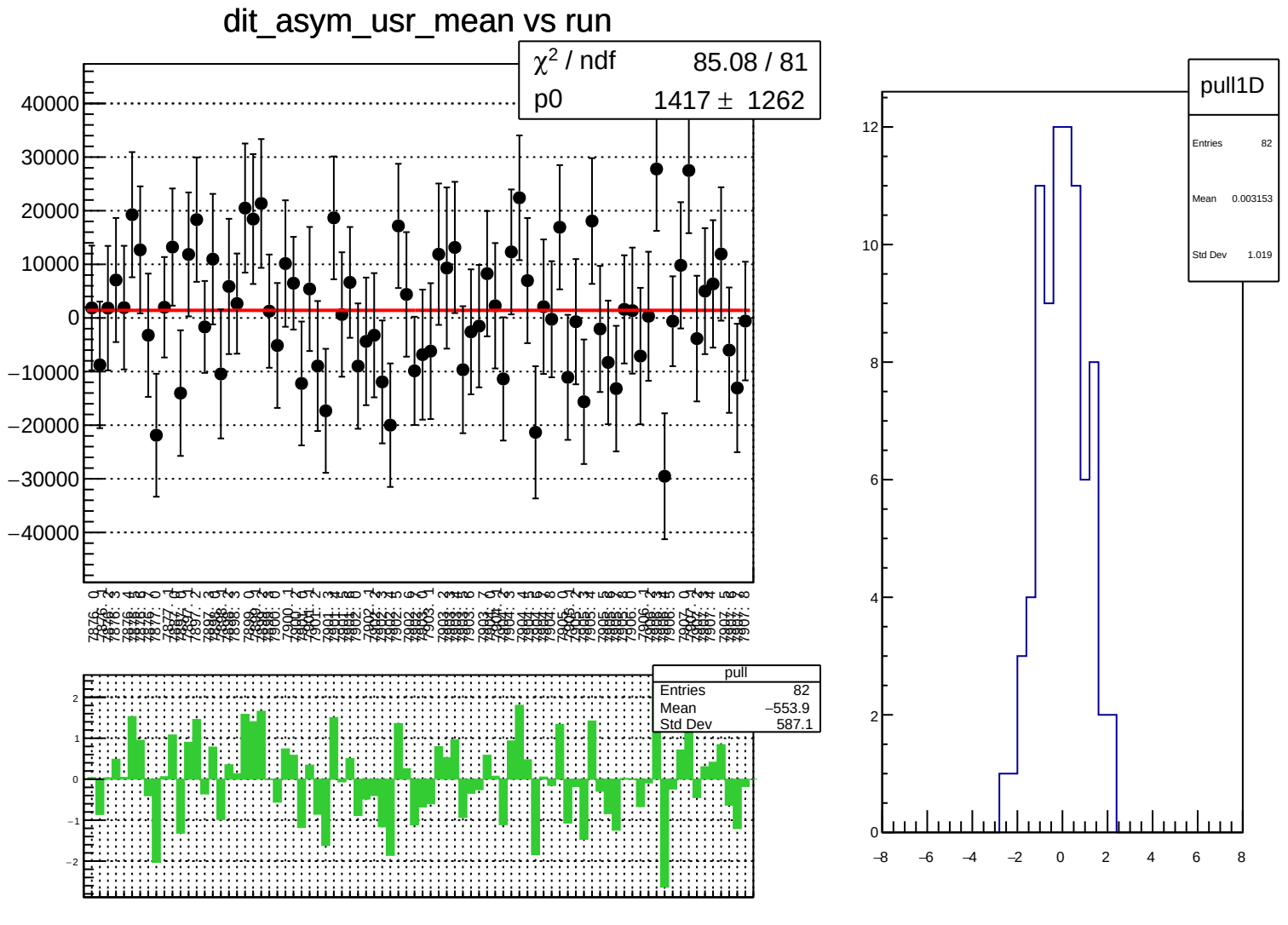
asym_usl_correction_rms vs run

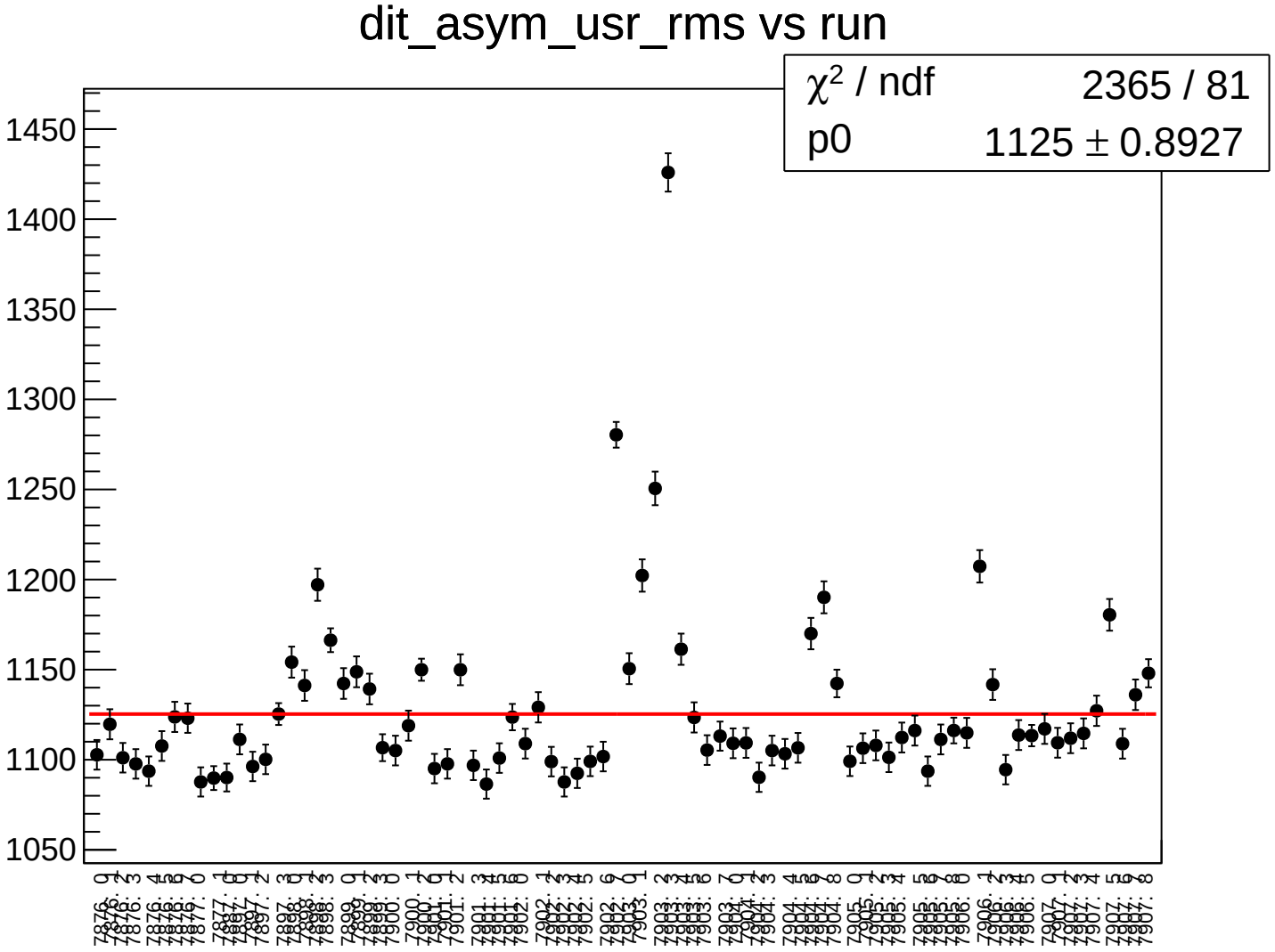


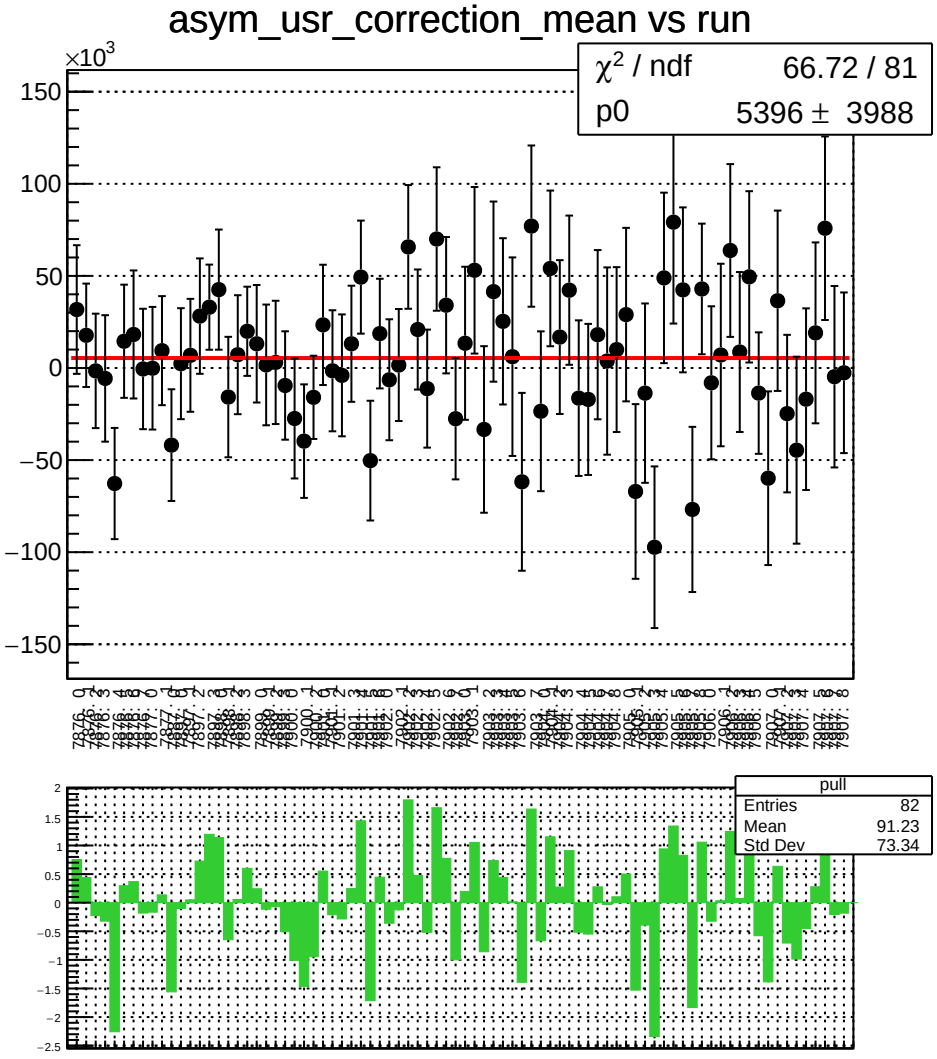

asym_usl_mean vs run
×10^3
χ² / ndf 85.17 / 81
p0 1575 ± 1979
pull
Entries 82
Mean −27.92
Std Dev 56.32

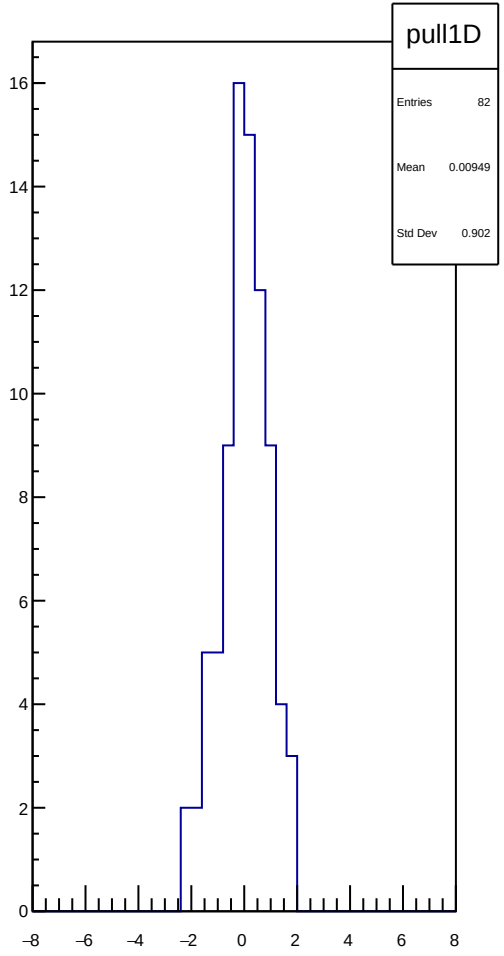

pull1D
Entries 82
Mean −0.02727
Std Dev 1.019

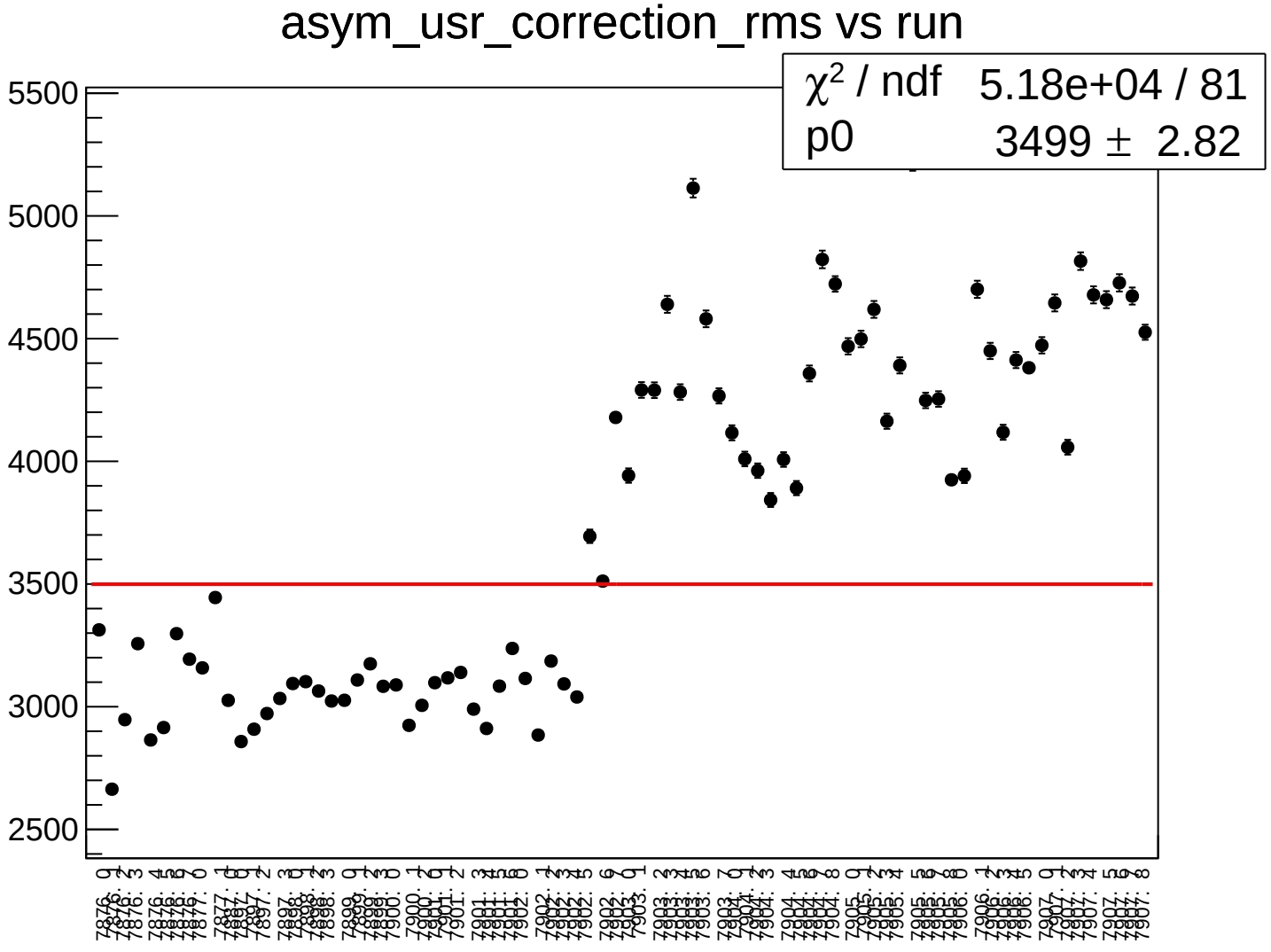

asym_usl_rms vs run
χ² / ndf 1.514e+04 / 81
p0 1757 ± 1.399
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

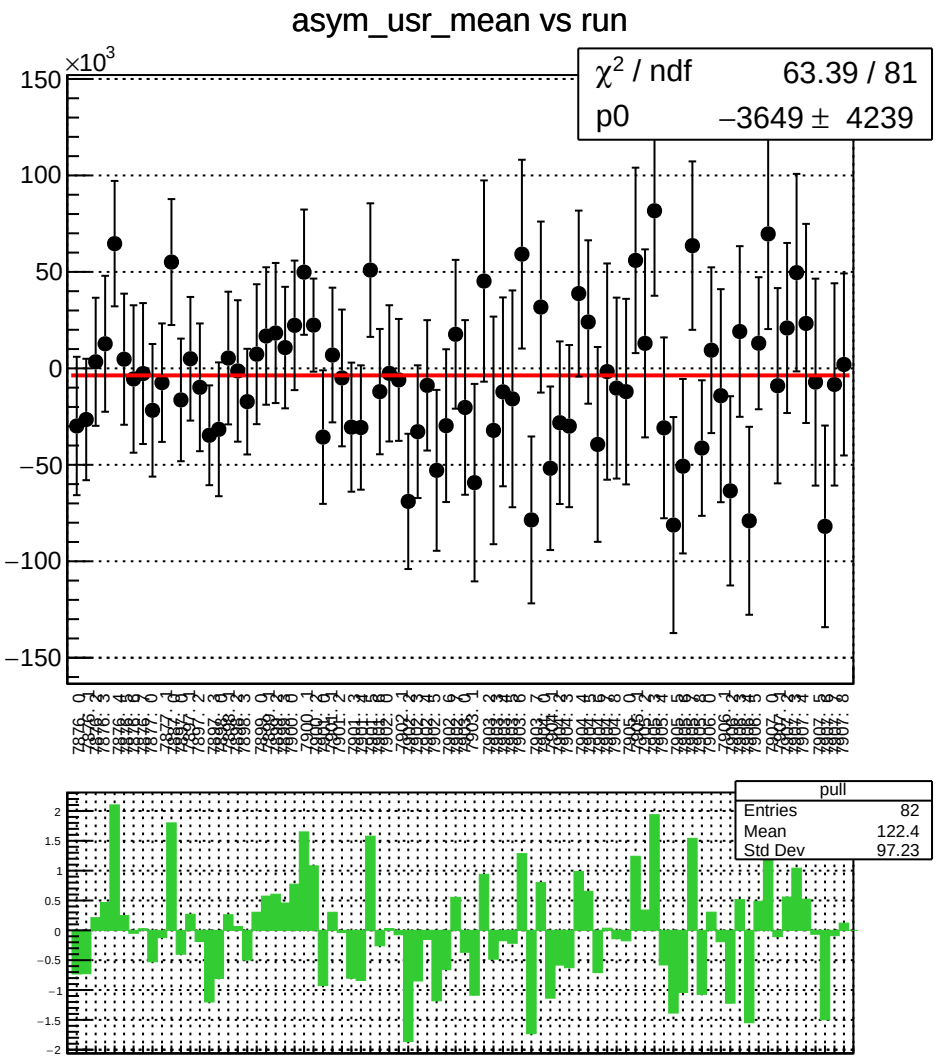

dit_asym_usr_mean vs run
χ² / ndf 85.08 / 81
p0 1417 ± 1262
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −553.9
Std Dev 587.1
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.003153
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

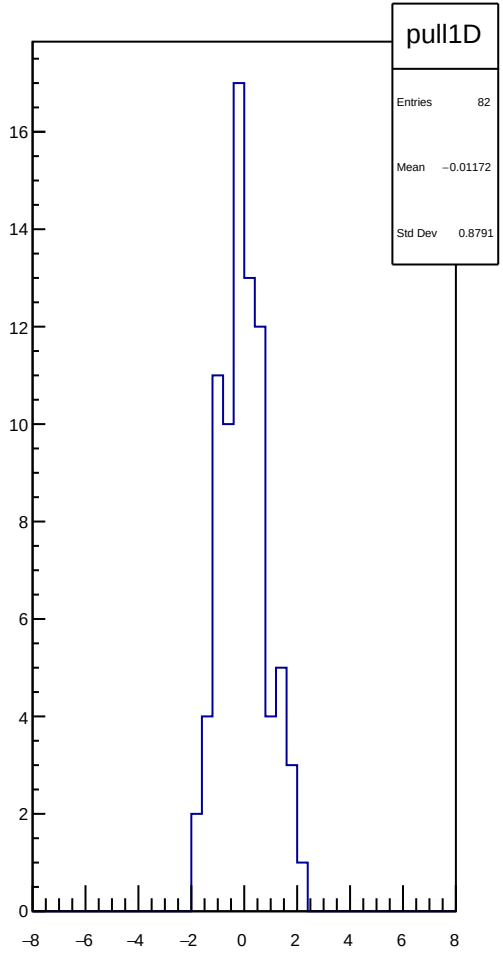

dit_asym_usr_rms vs run
χ² / ndf 2365 / 81
p0 1125 ± 0.8927
1450
1400
1350
1300
1250
1200
1150
1100
1050

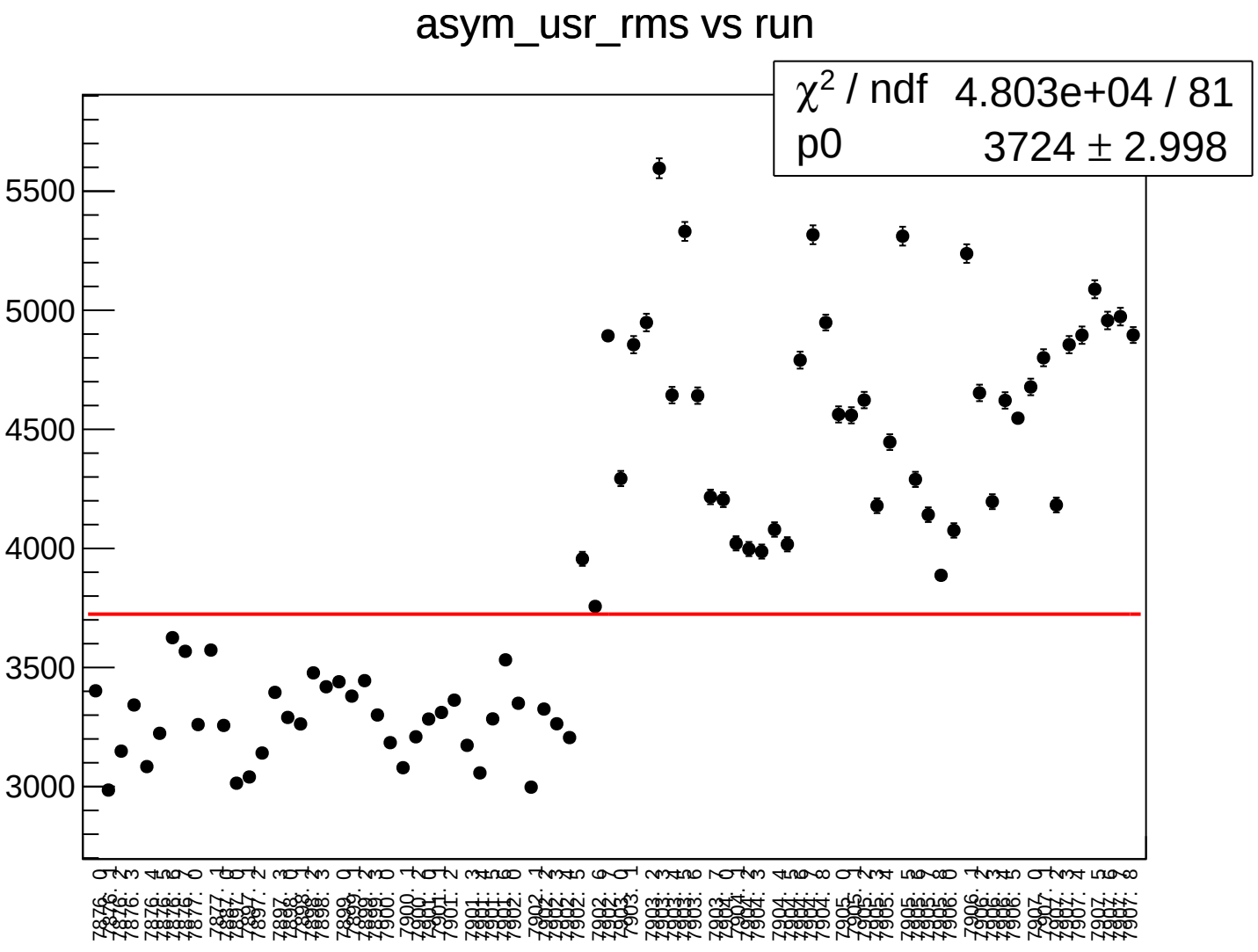

asym_usr_correction_mean vs run
×10^3
χ² / ndf 66.72 / 81
p0 5396 ± 3988
pull
Entries 82
Mean 91.23
Std Dev 73.34

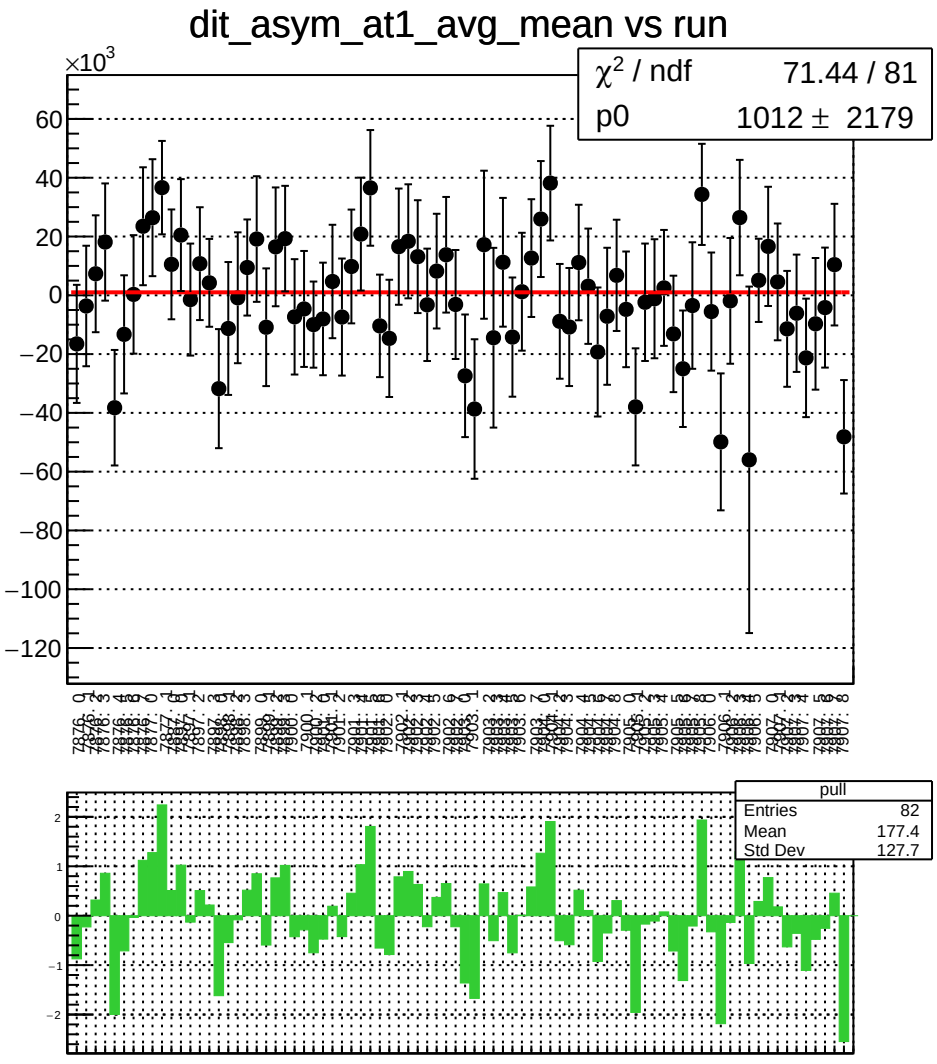

pull1D
Entries 82
Mean 0.00949
Std Dev 0.902

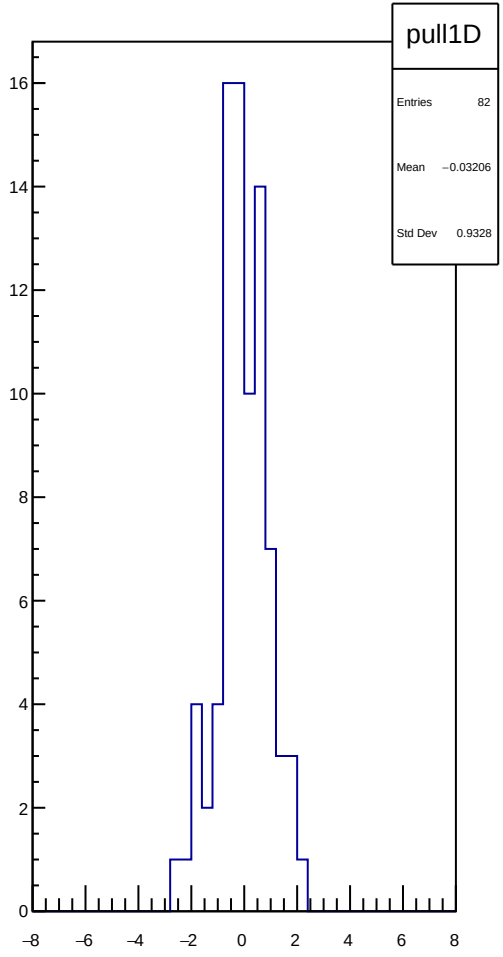

asym_usr_correction_rms vs run
χ² / ndf 5.18e+04 / 81
p0 3499 ± 2.82
5500
5000
4500
4000
3500
3000
2500

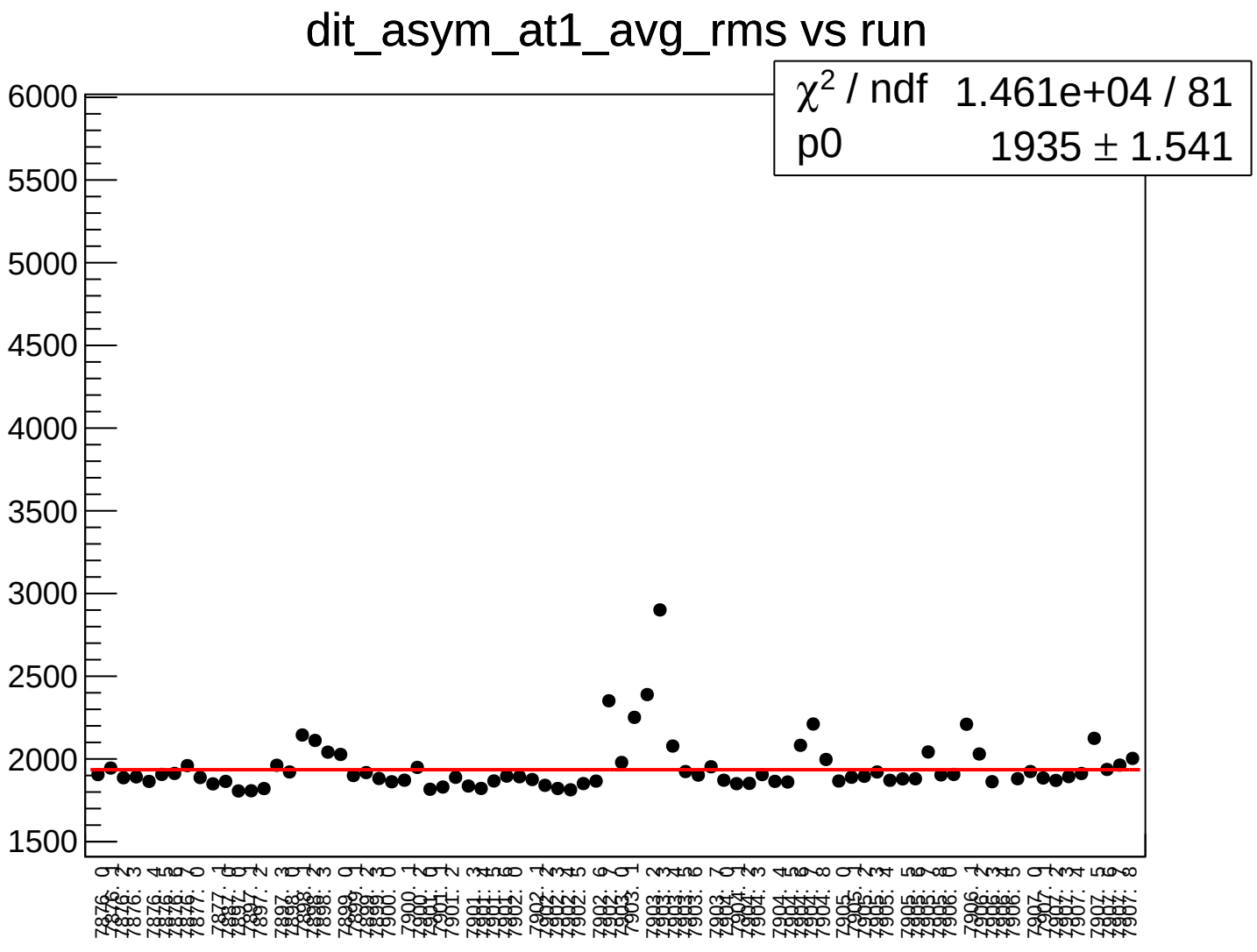

asym_usr_mean vs run
×10^3
χ² / ndf 63.39 / 81
p0 −3649 ± 4239
pull
Entries 82
Mean 122.4
Std Dev 97.23

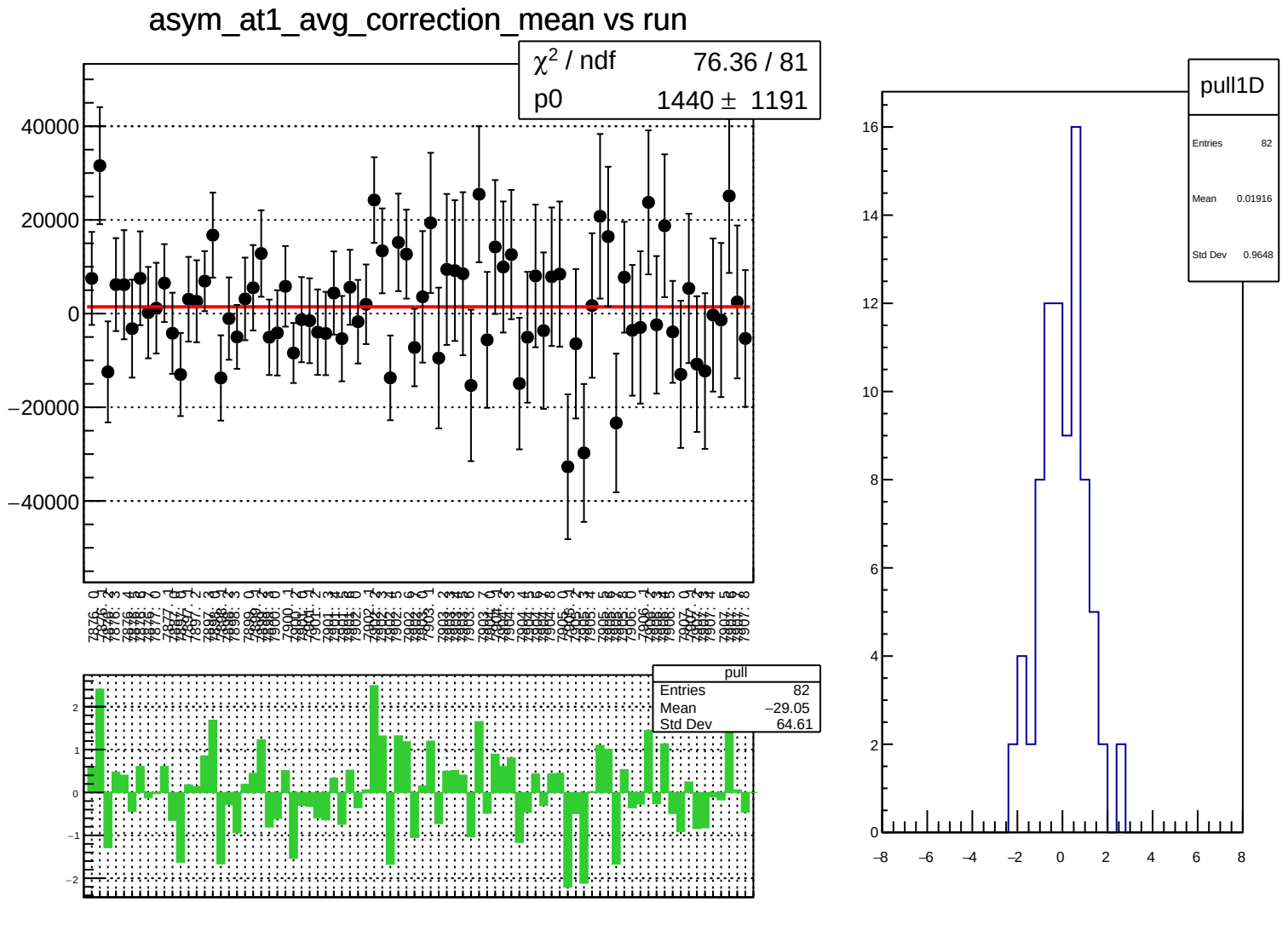

pull1D
Entries 82
Mean −0.01172
Std Dev 0.8791


asym_usr_rms vs run
χ^2 / ndf 4.803e+04 / 81
p0 3724 ± 2.998
5500
5000
4500
4000
3500
3000

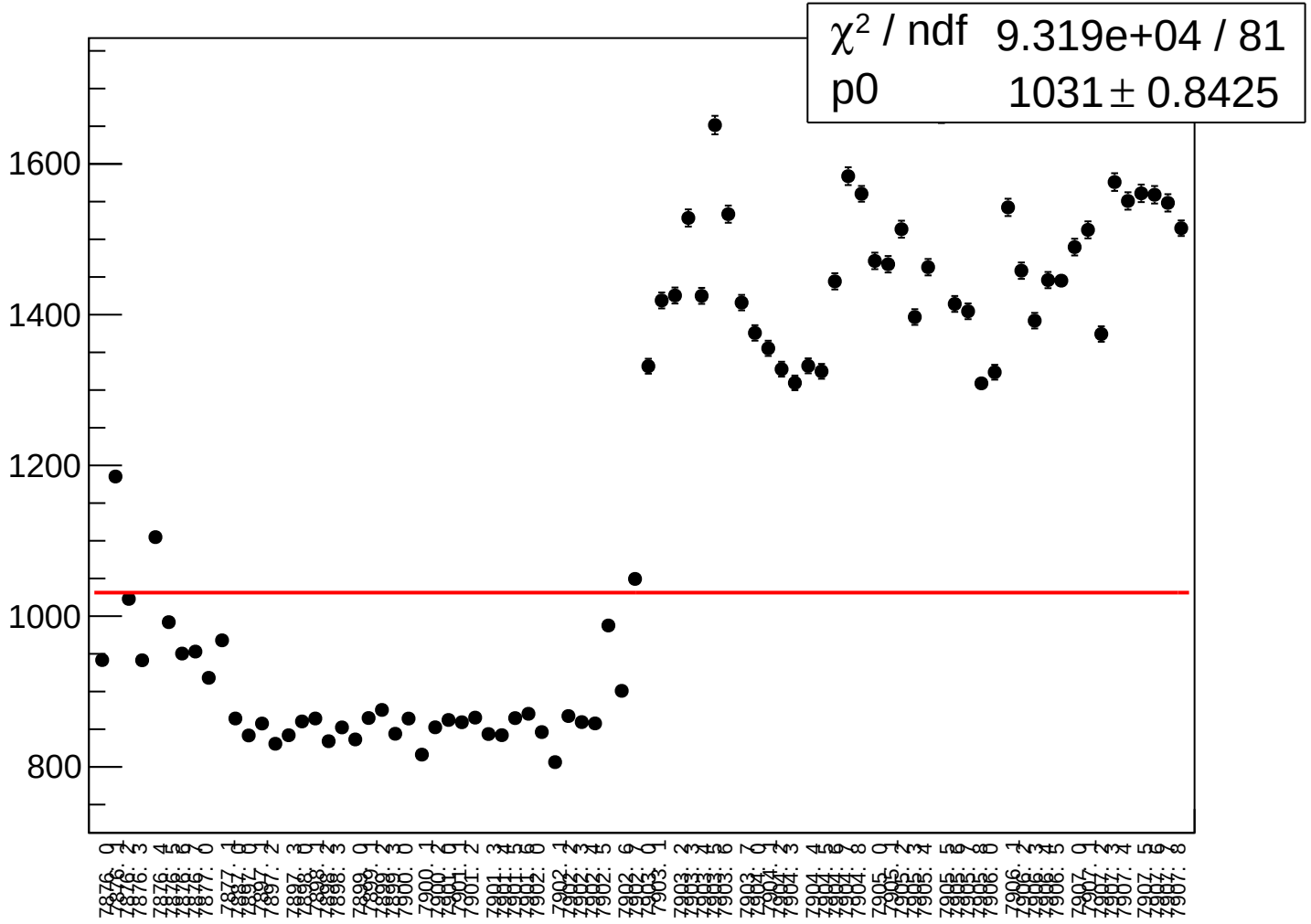

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 71.44 / 81
p0 1012 ± 2179
pull
Entries 82
Mean 177.4
Std Dev 127.7

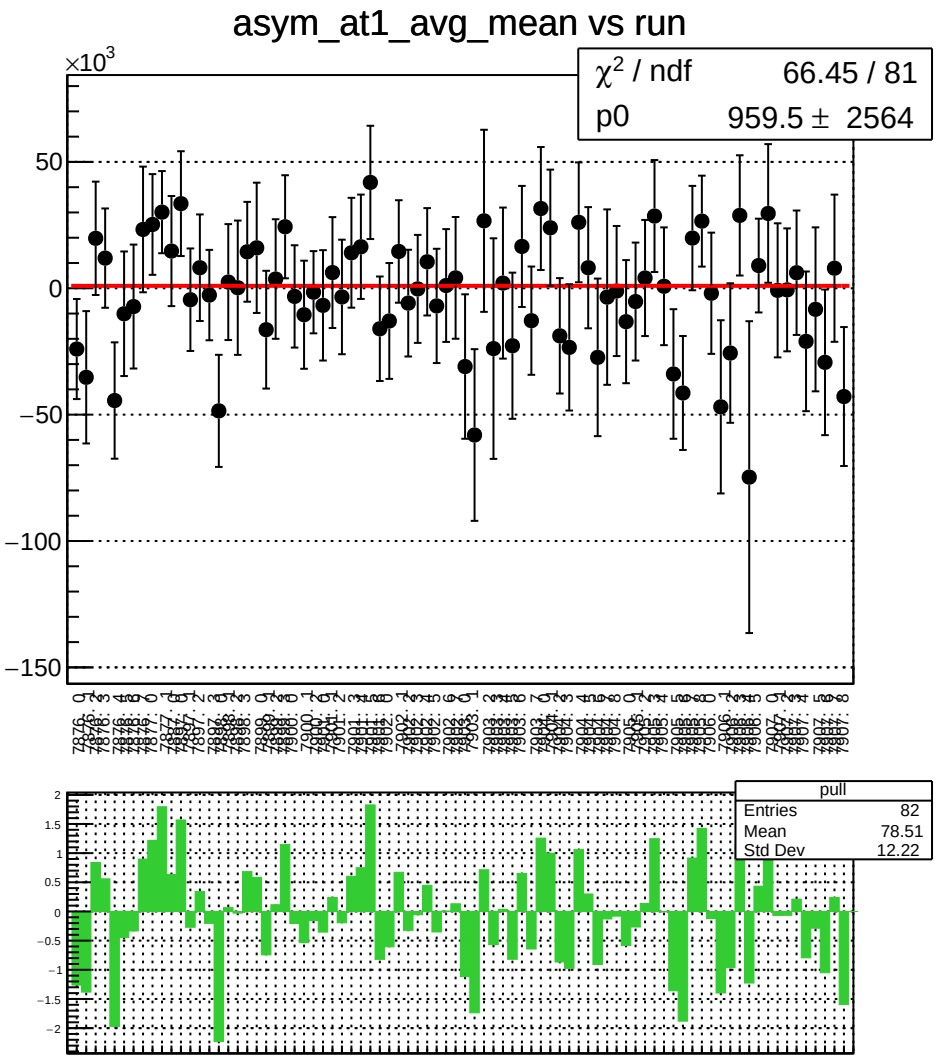

pull1D
Entries 82
Mean −0.03206
Std Dev 0.9328

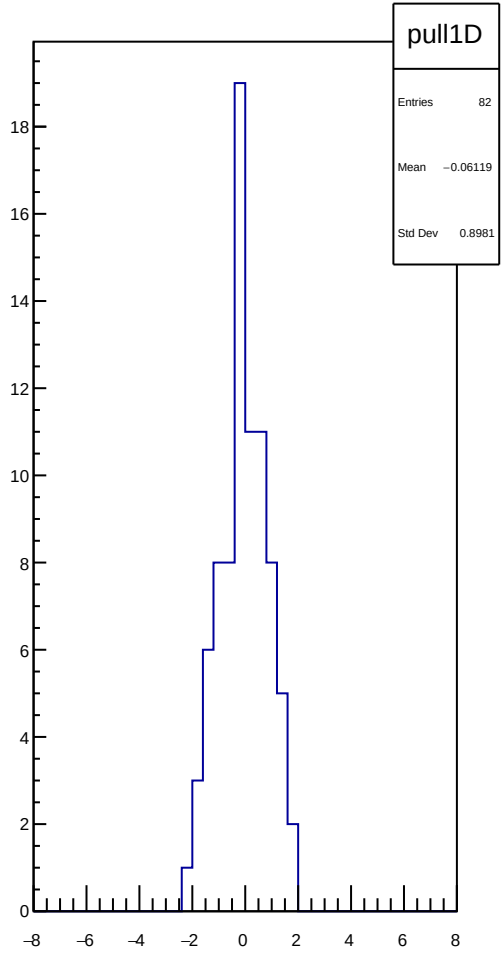

dit_asym_at1_avg_rms vs run
χ2 / ndf 1.461e+04 / 81
p0 1935 ± 1.541
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

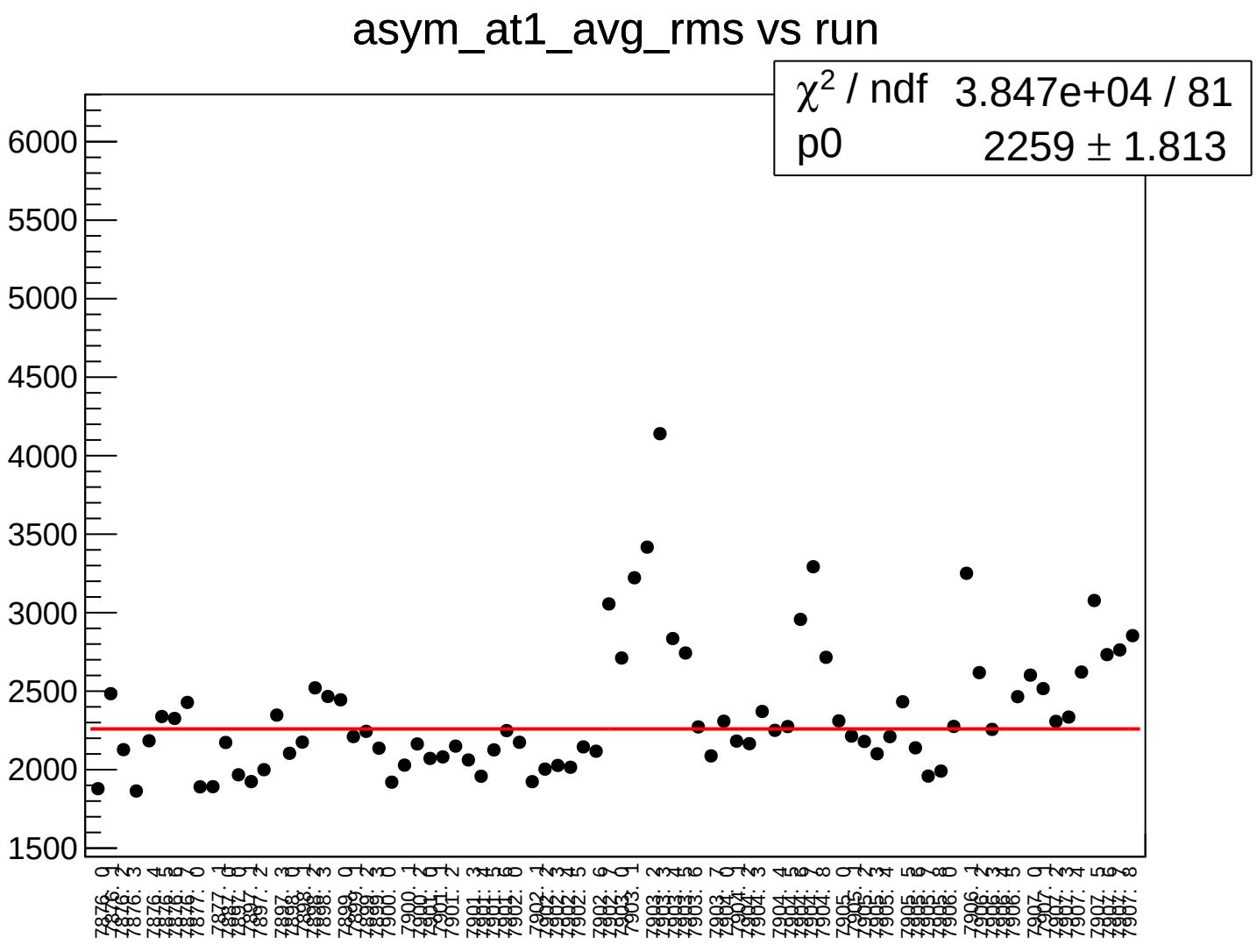

asym_at1_avg_correction_mean vs run
χ² / ndf 76.36 / 81
p0 1440 ± 1191
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −29.05
Std Dev 64.61
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01916
Std Dev 0.9648
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

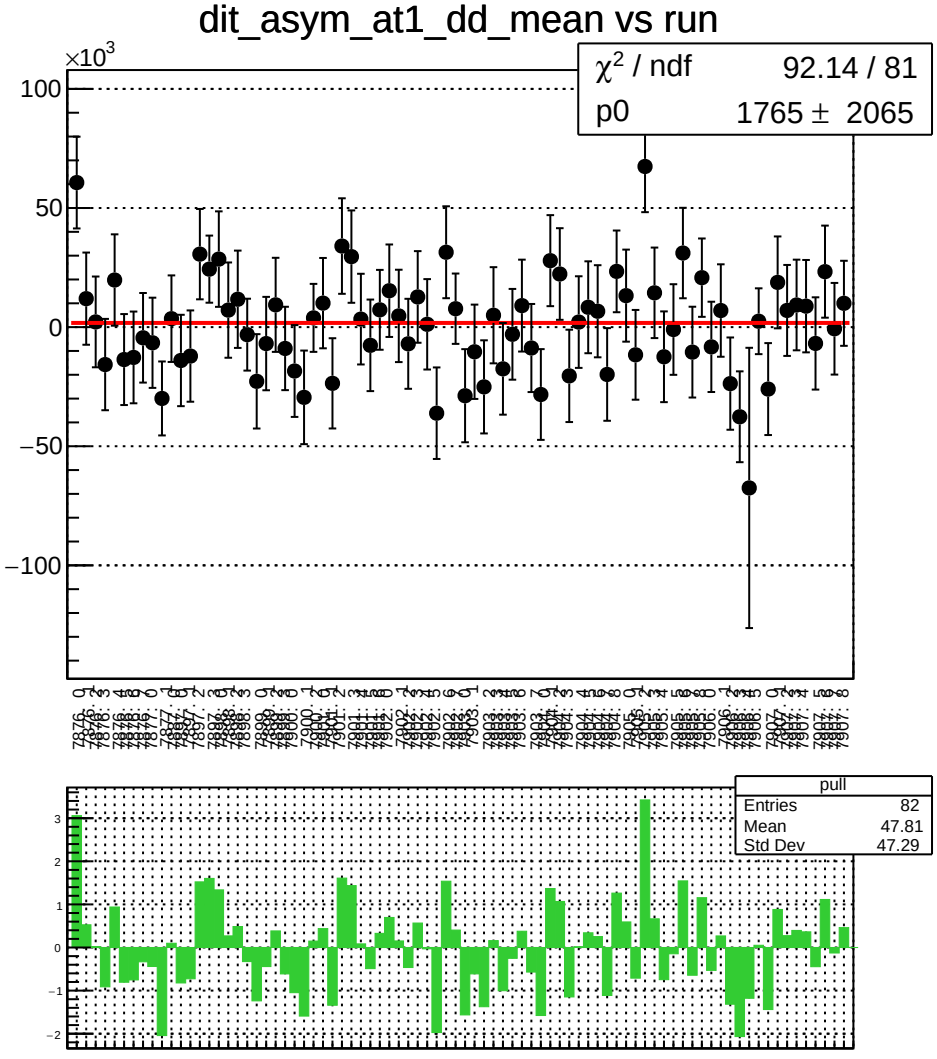
asym_at1_avg_correction_rms vs run

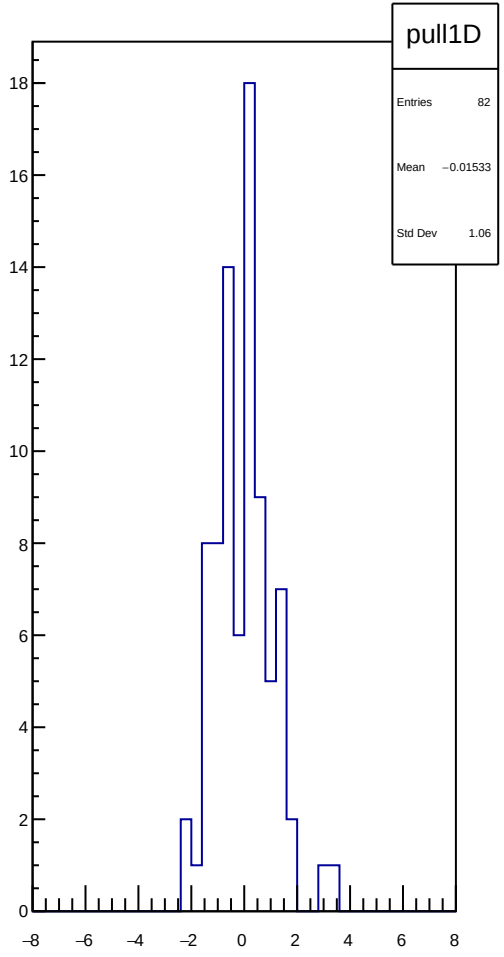


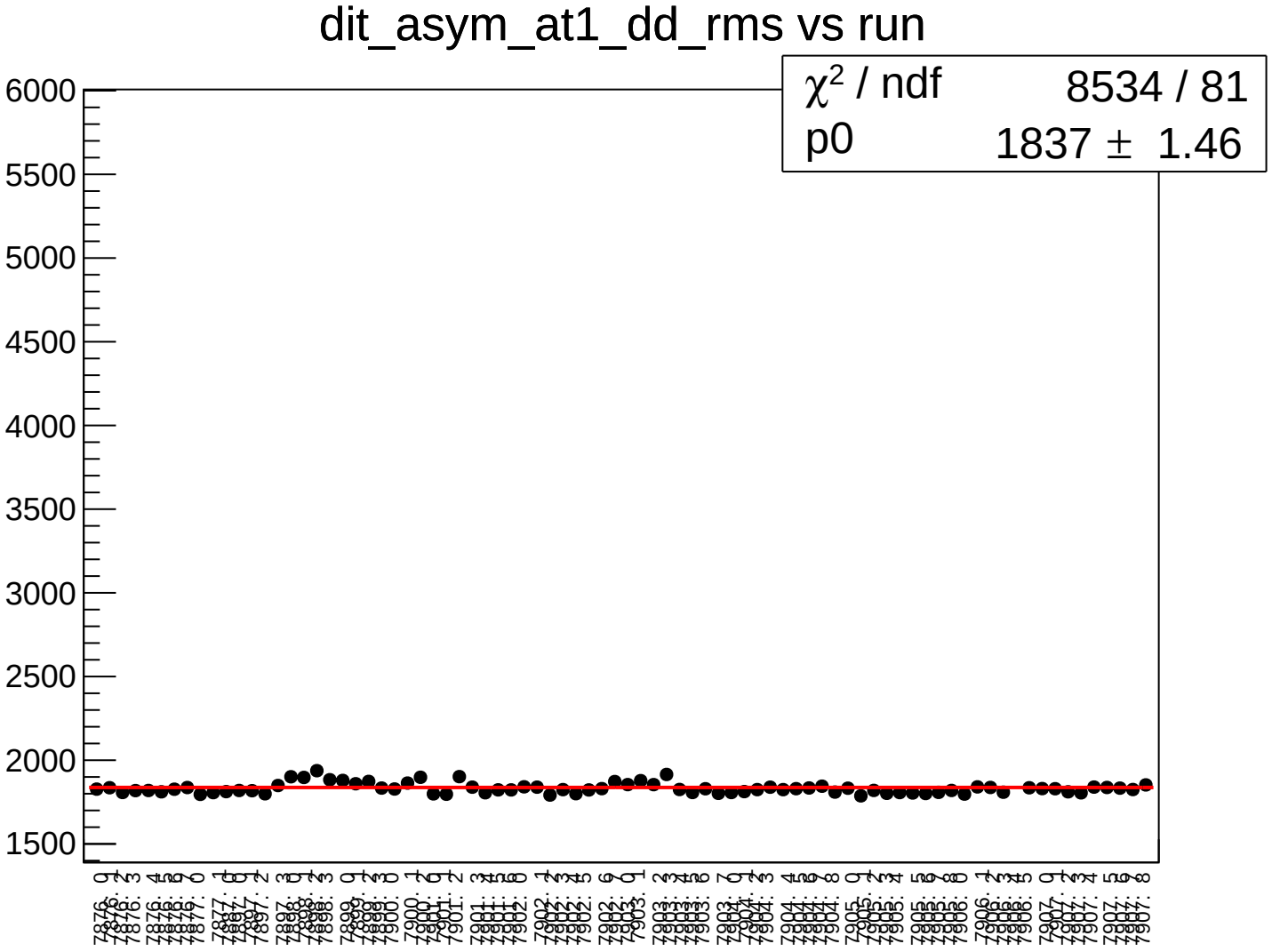

asym_at1_avg_mean vs run
×10^3
χ² / ndf 66.45 / 81
p0 959.5 ± 2564
50
0
−50
−100
−150
pull
Entries 82
Mean 78.51
Std Dev 12.22
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

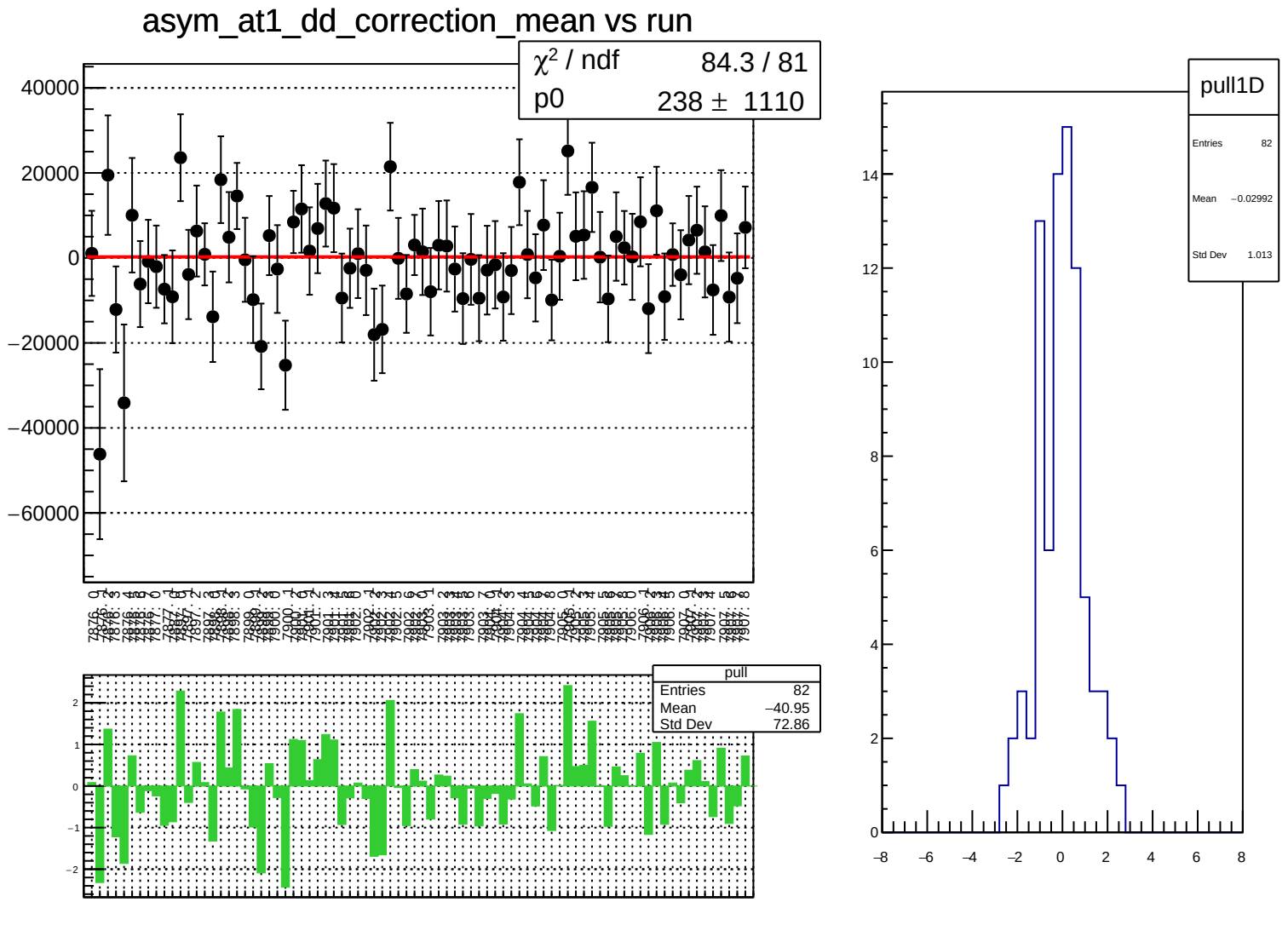

pull1D
Entries 82
Mean −0.06119
Std Dev 0.8981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_rms vs run
χ2 / ndf 3.847e+04 / 81
p0 2259 ± 1.813
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

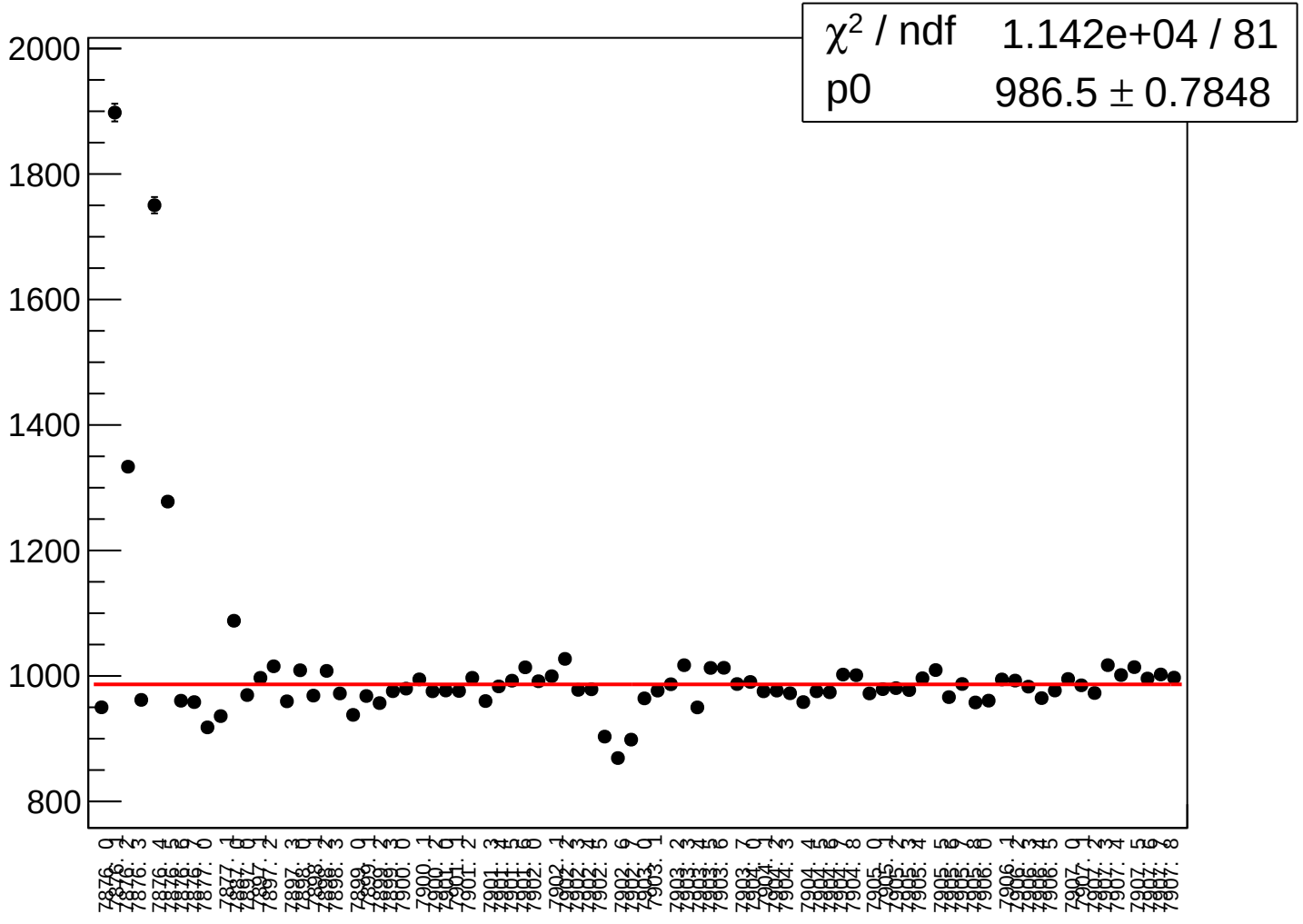

dit_asym_at1_dd_mean vs run
χ^2 / ndf 92.14 / 81
p0 1765 ± 2065
×10^3
pull
Entries 82
Mean 47.81
Std Dev 47.29

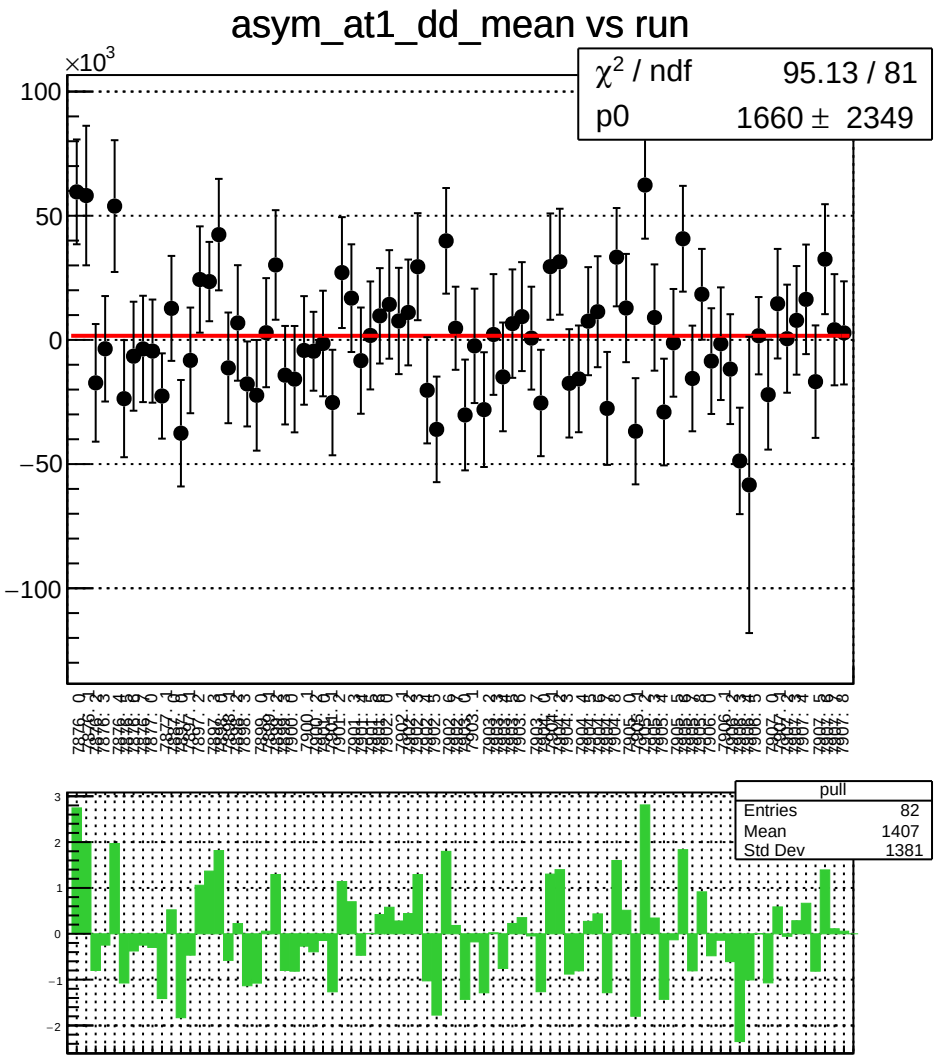

pull1D
Entries 82
Mean −0.01533
Std Dev 1.06

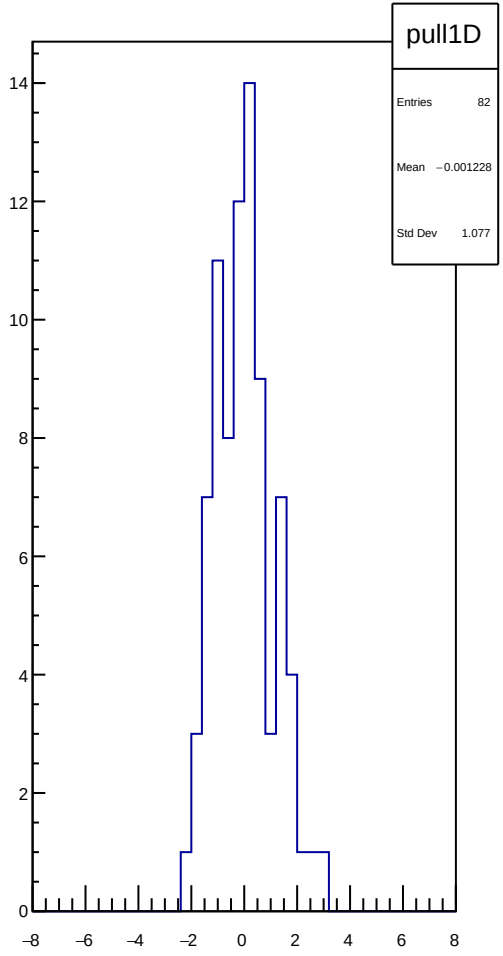

dit_asym_at1_dd_rms vs run
χ² / ndf 8534 / 81
p0 1837 ± 1.46
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_at1_dd_correction_mean vs run
χ² / ndf 84.3 / 81
p0 238 ± 1110
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −40.95
Std Dev 72.86
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.02992
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

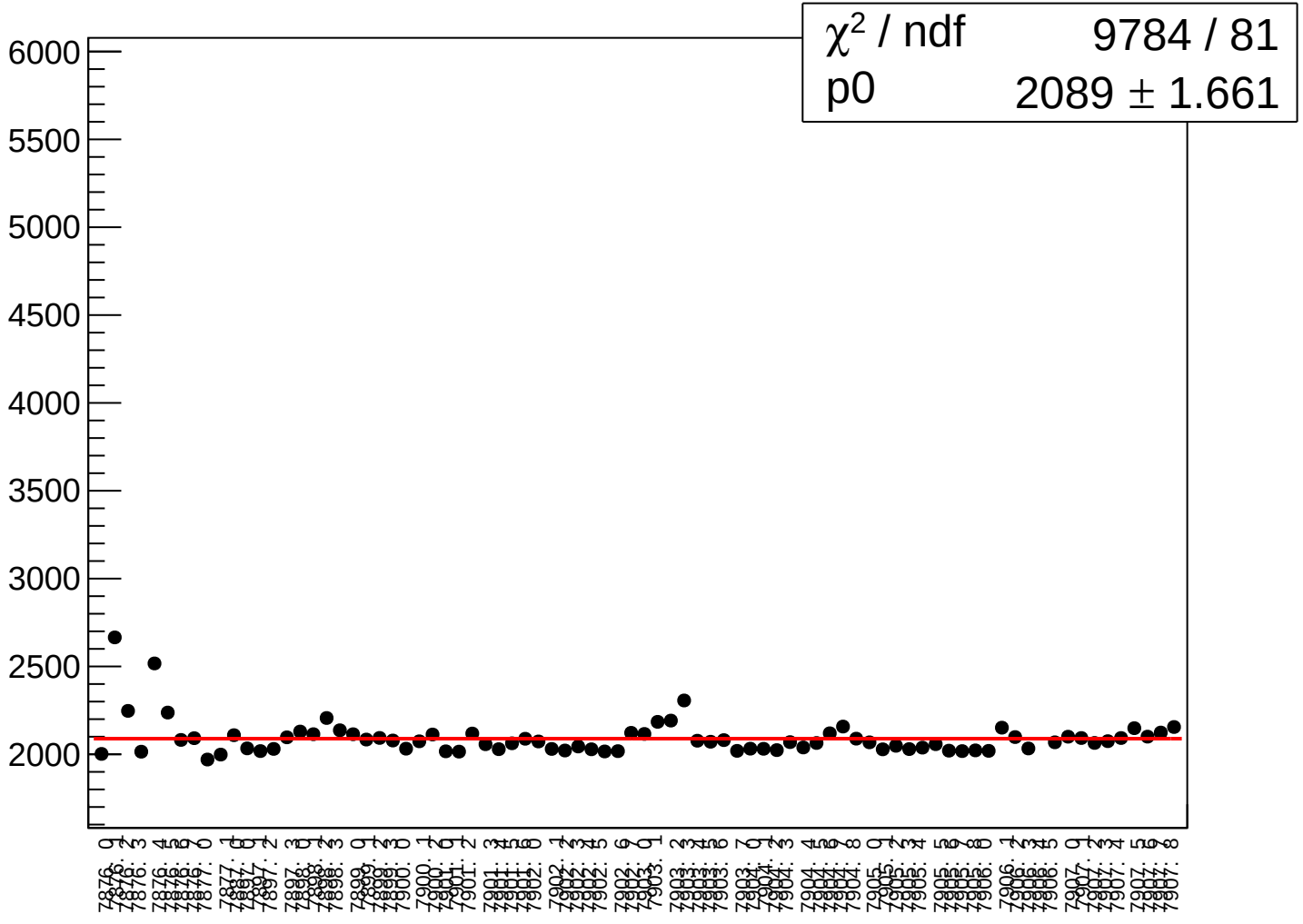
asym_at1_dd_correction_rms vs run

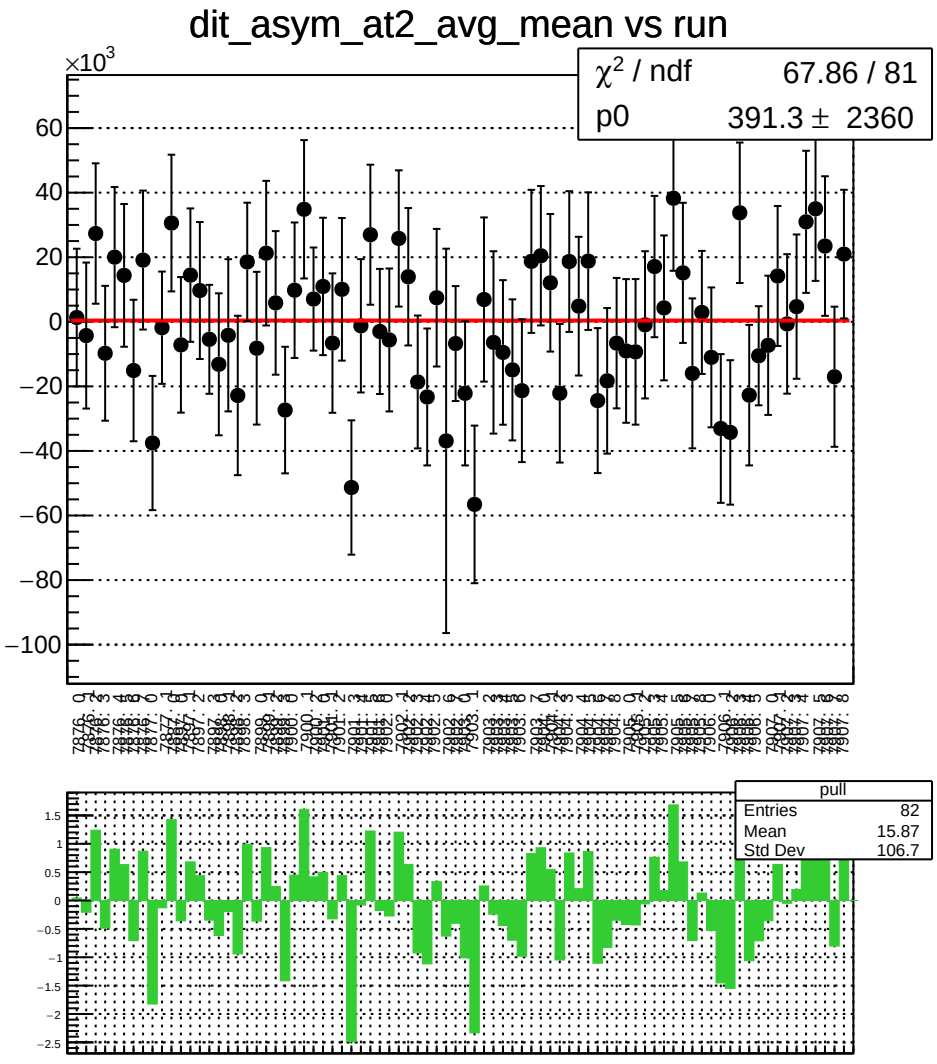


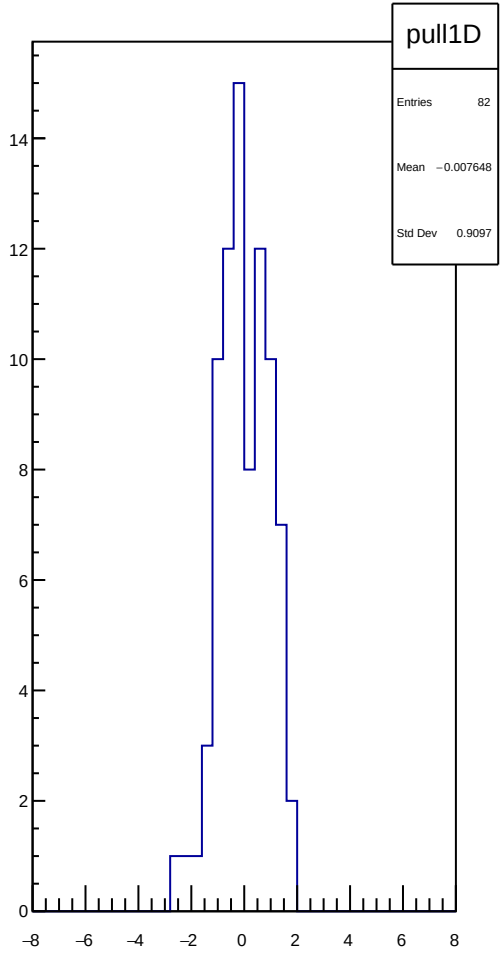

asym_at1_dd_mean vs run
χ^2 / ndf 95.13 / 81
p0 1660 ± 2349
×10^3
100
50
0
−50
−100
pull
Entries 82
Mean 1407
Std Dev 1381
3
2
1
0
−1
−2


pull1D
Entries 82
Mean −0.001228
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

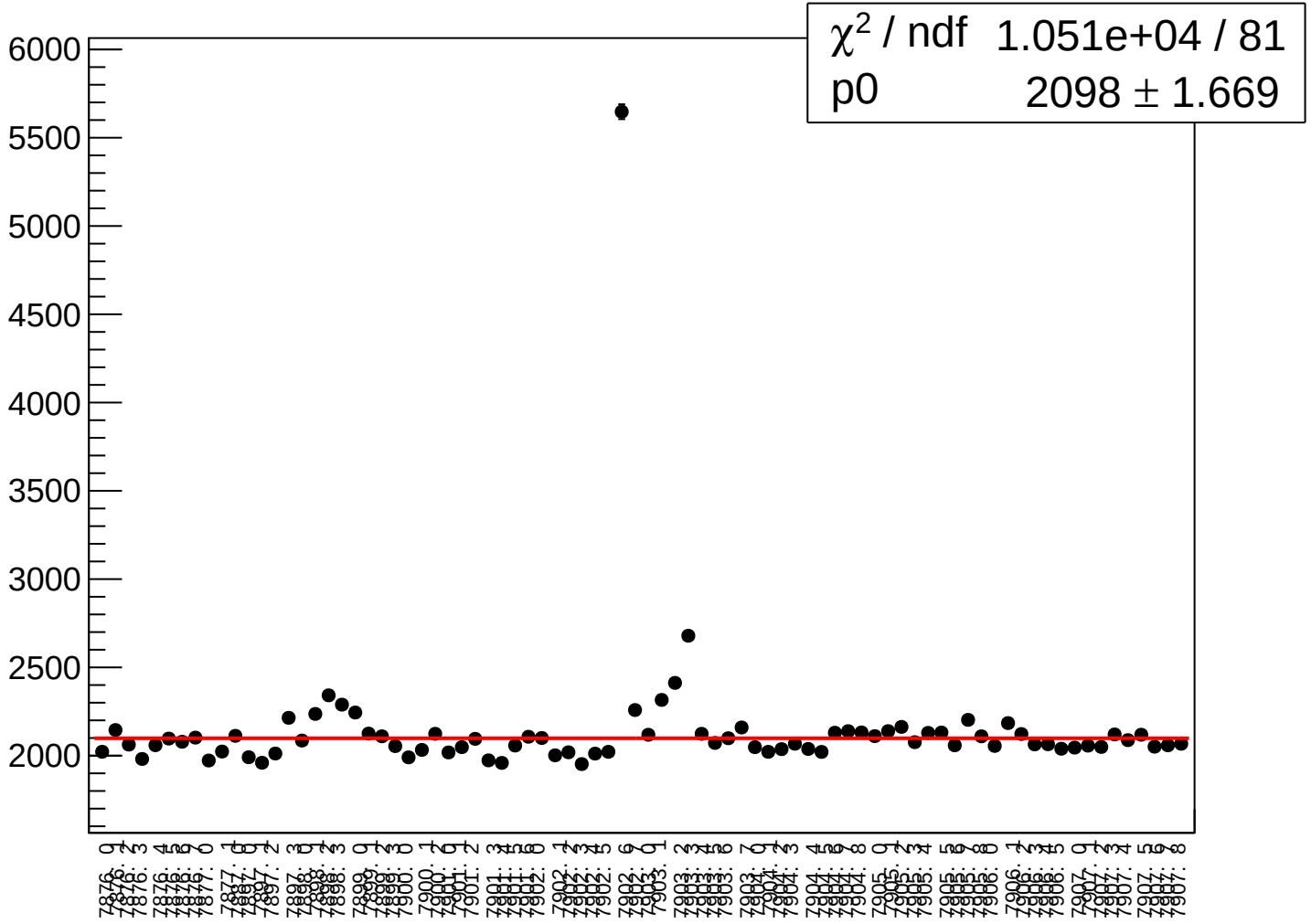
asym_at1_dd_rms vs run

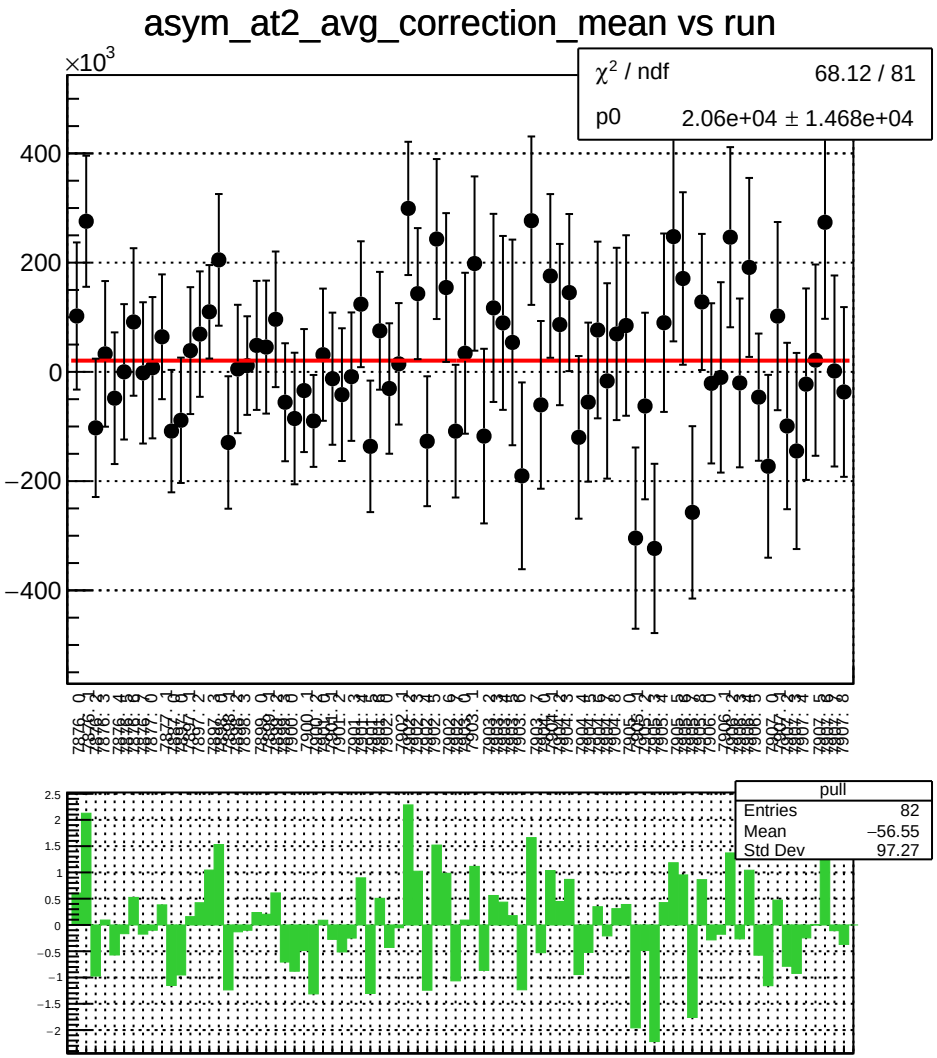


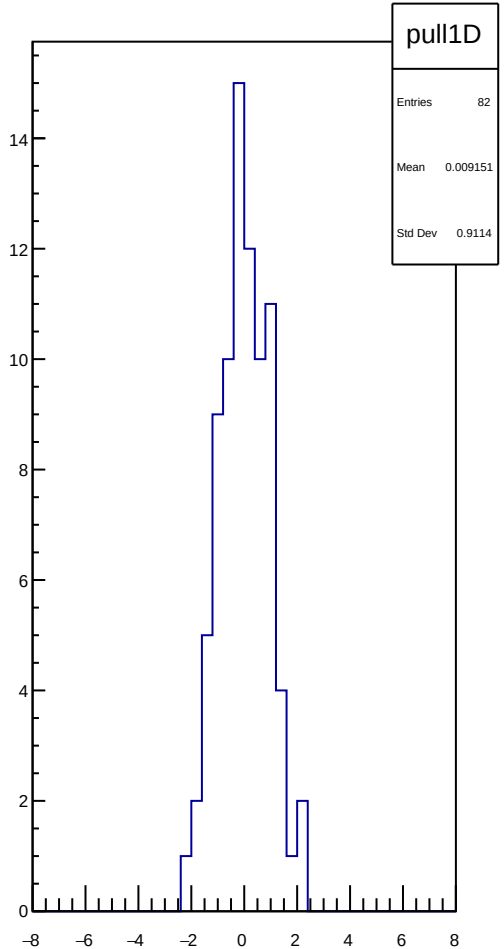

dit_asym_at2_avg_mean vs run
χ^2 / ndf 67.86 / 81
p0 391.3 ± 2360
×10^3
pull
Entries 82
Mean 15.87
Std Dev 106.7


pull1D
Entries 82
Mean −0.007648
Std Dev 0.9097

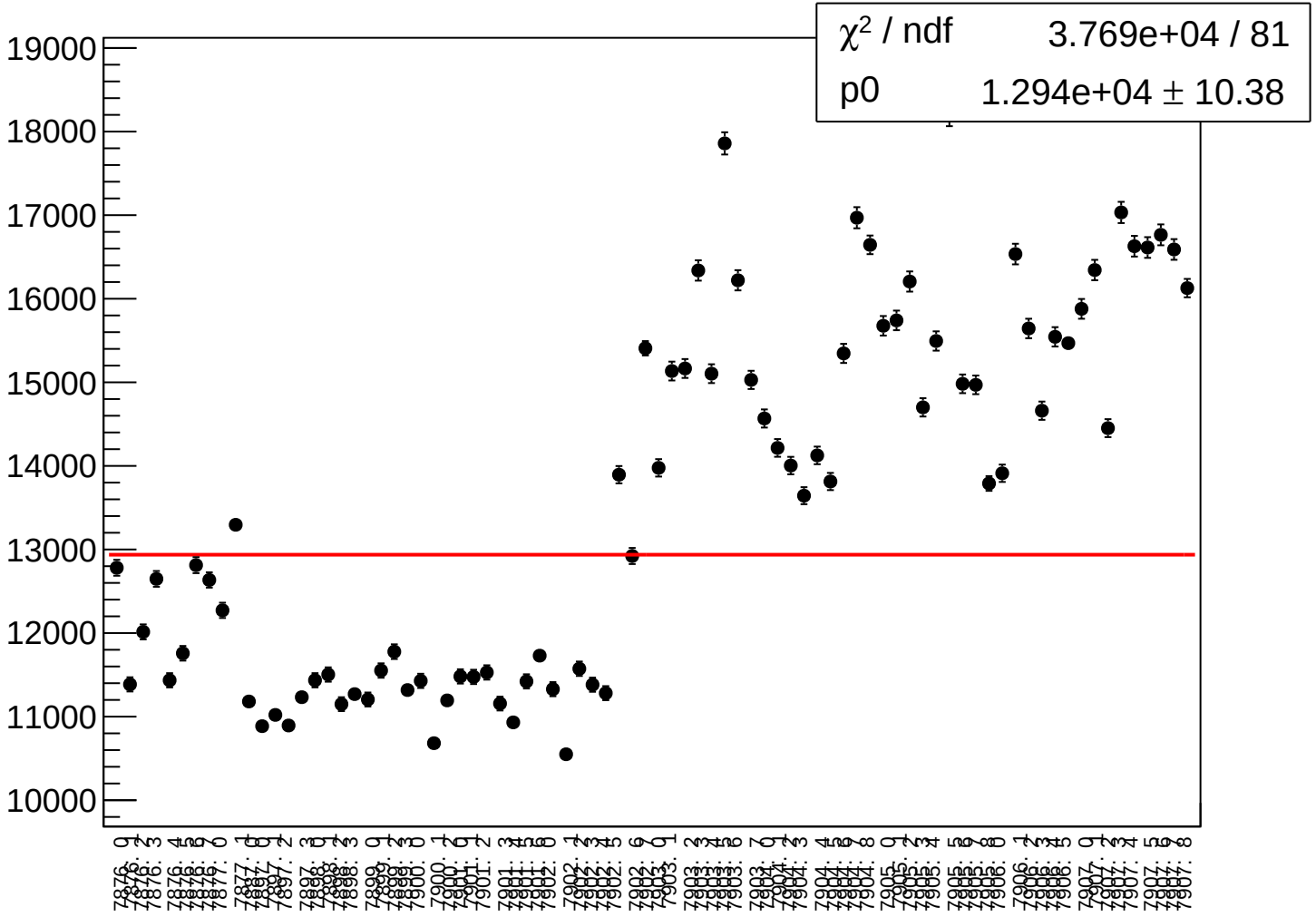
dit_asym_at2_avg_rms vs run

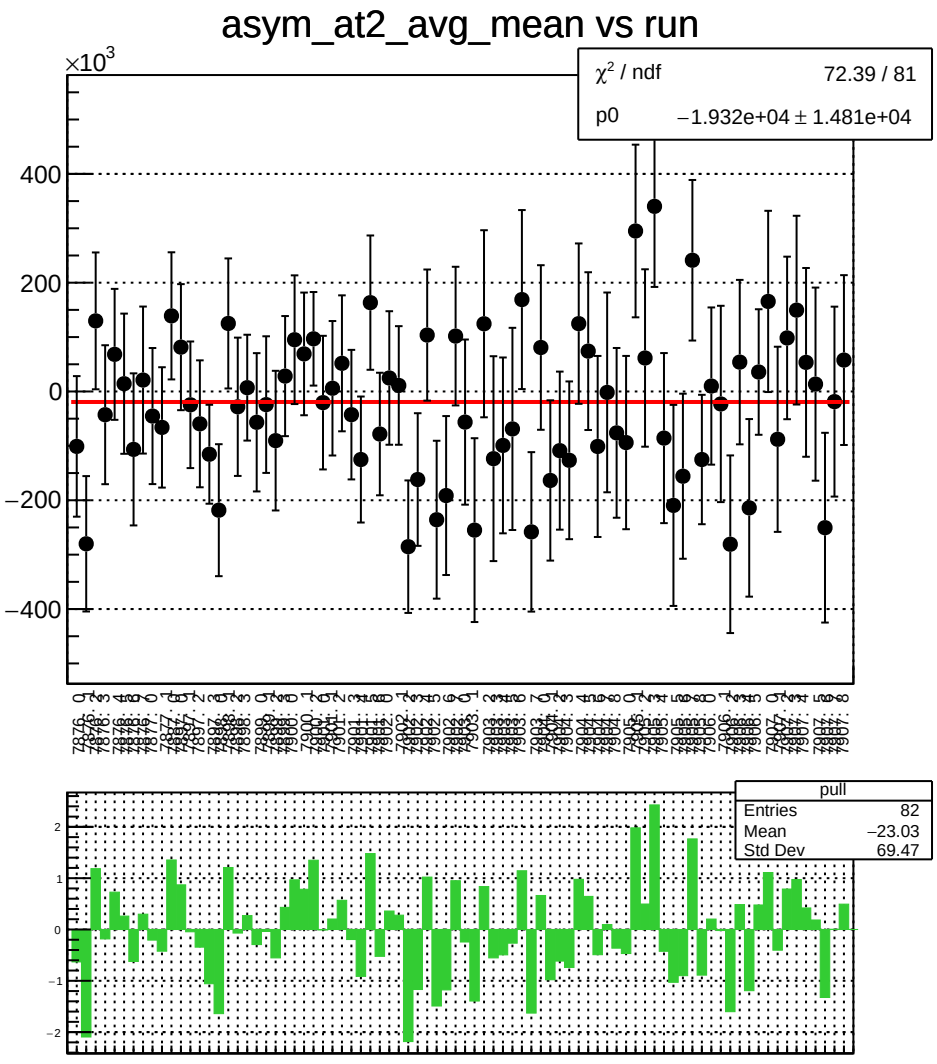


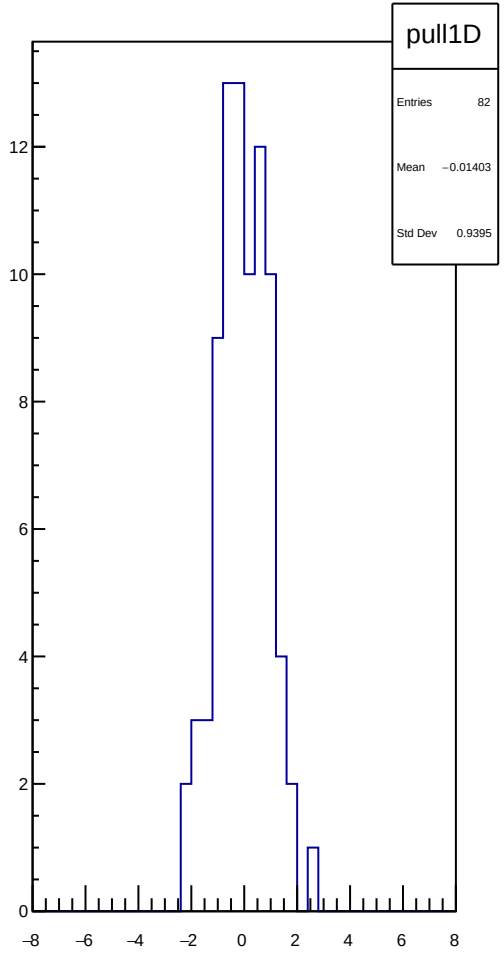

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 68.12 / 81
p0 2.06e+04 ± 1.468e+04
pull
Entries 82
Mean −56.55
Std Dev 97.27

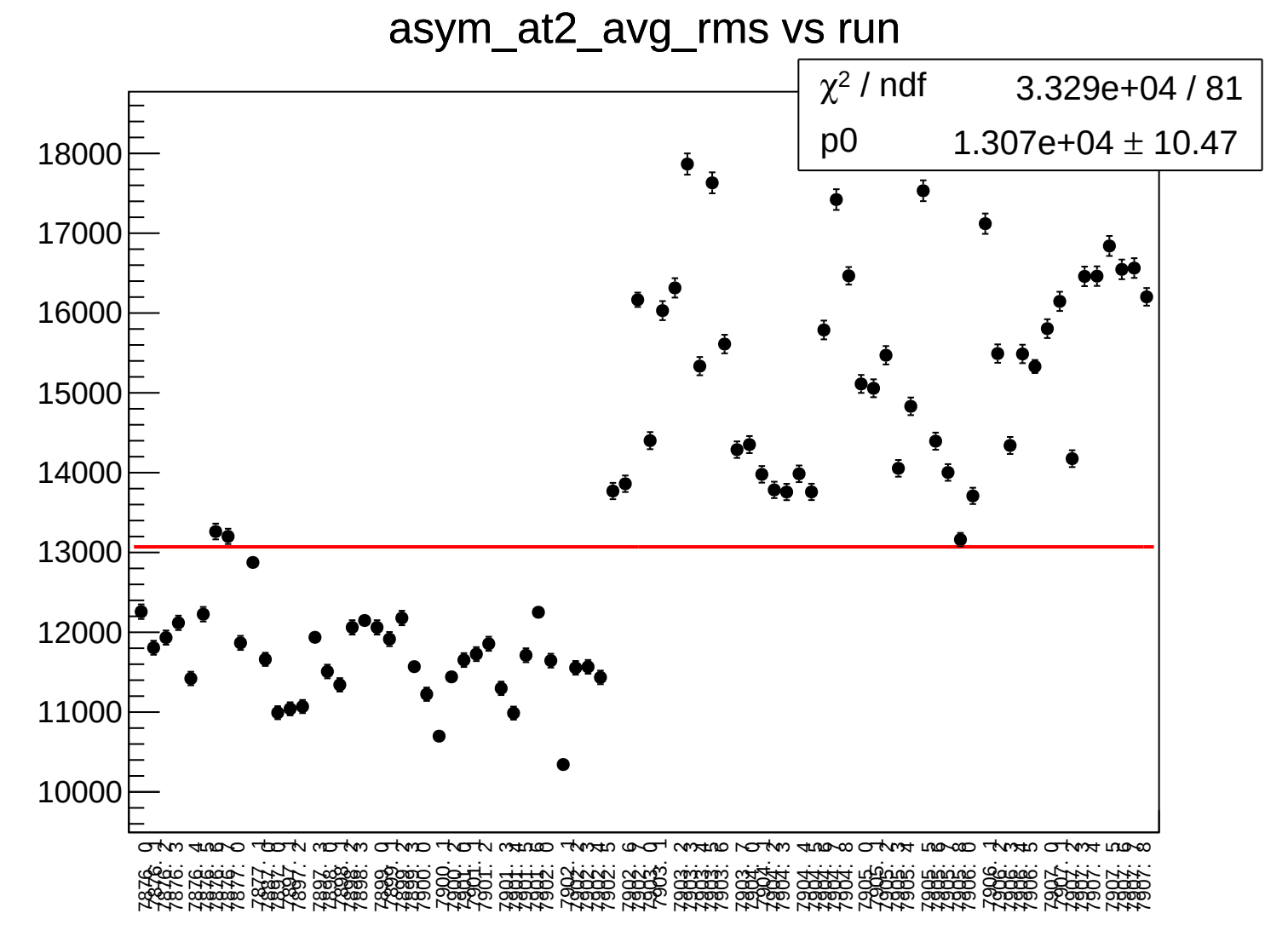

pull1D
Entries 82
Mean 0.009151
Std Dev 0.9114

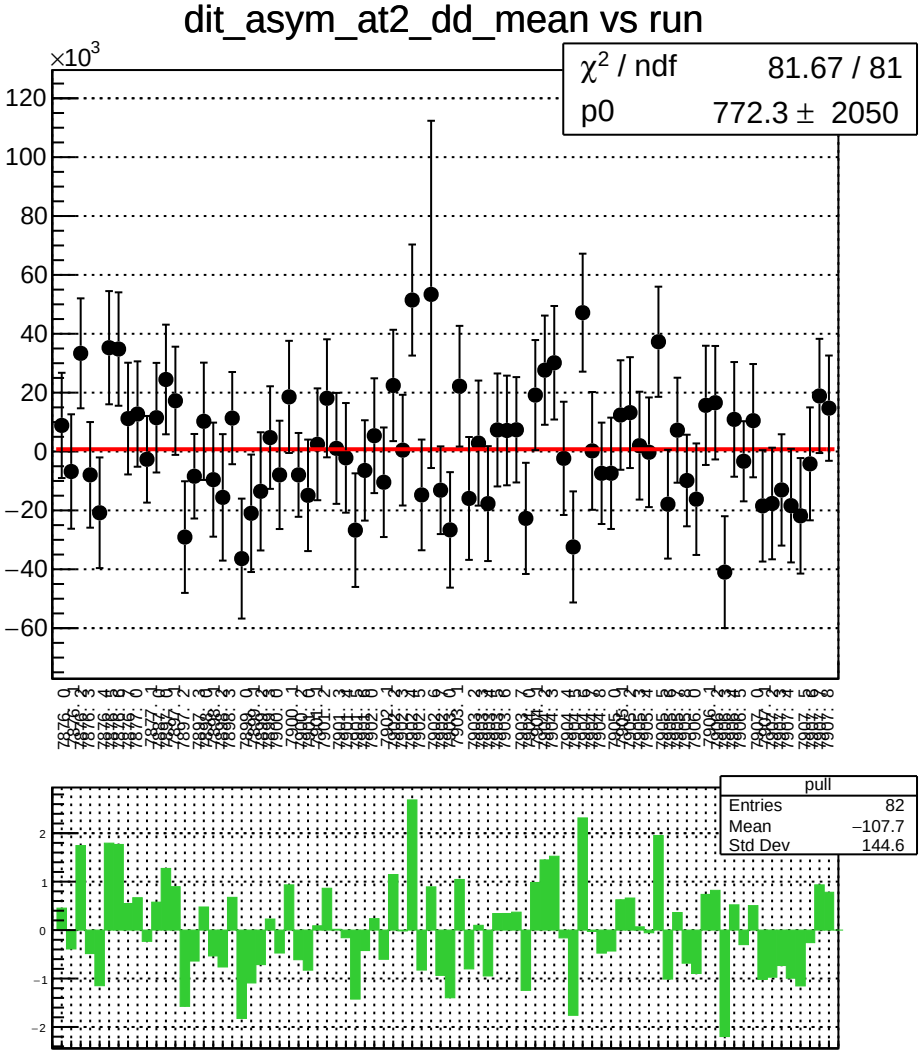
asym_at2_avg_correction_rms vs run

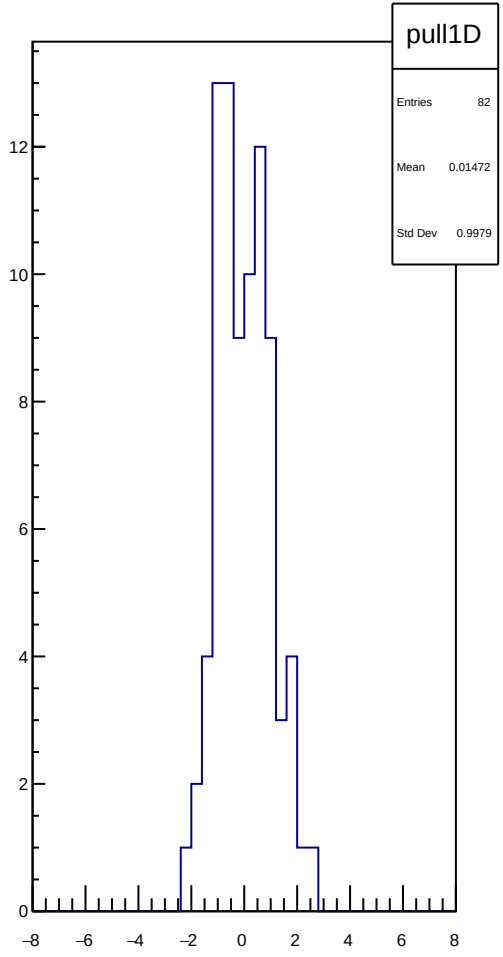


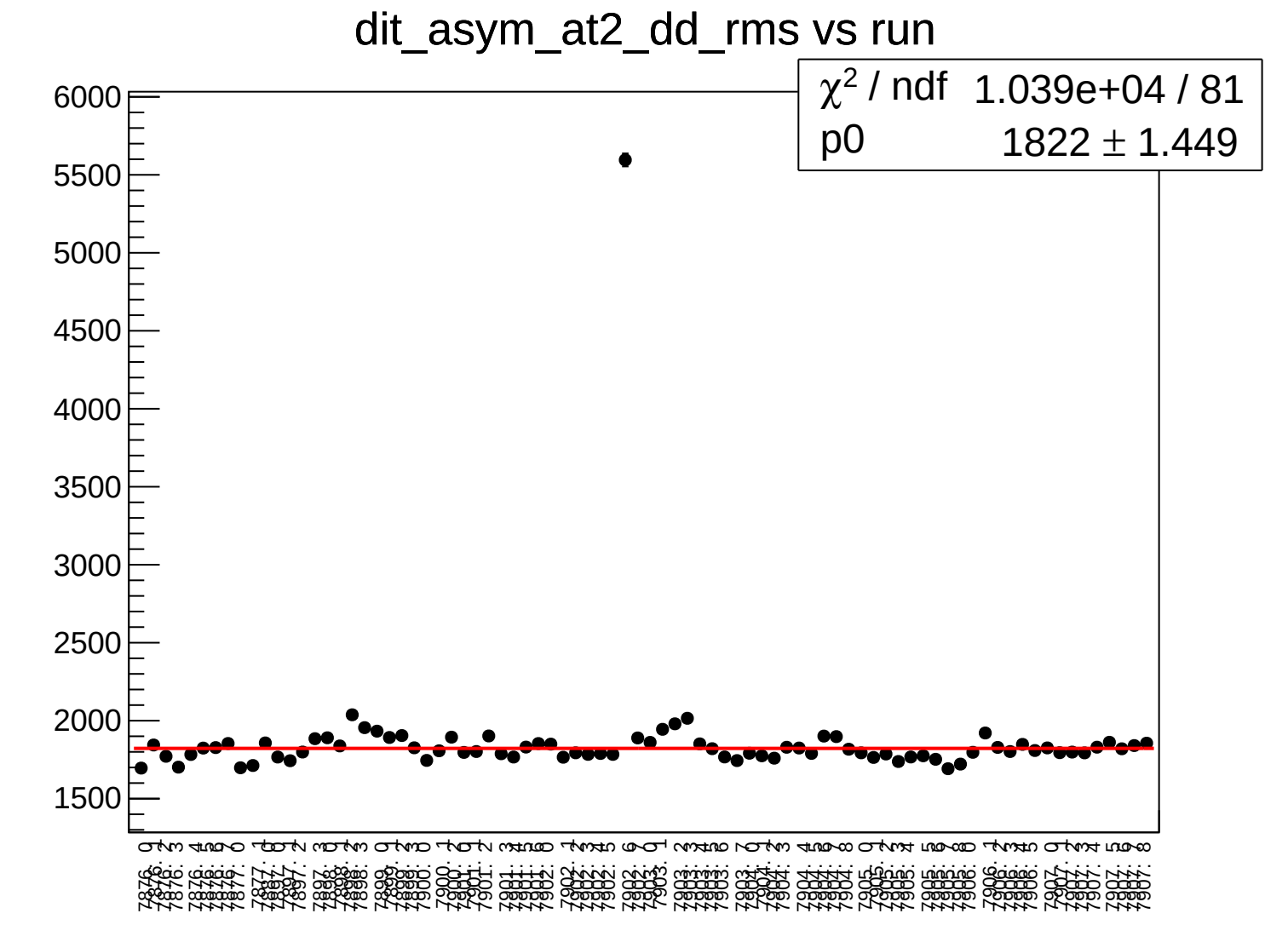

asym_at2_avg_mean vs run
×10^3
χ² / ndf 72.39 / 81
p0 −1.932e+04 ± 1.481e+04
400
200
0
−200
−400
pull
Entries 82
Mean −23.03
Std Dev 69.47
2
1
0
−1
−2

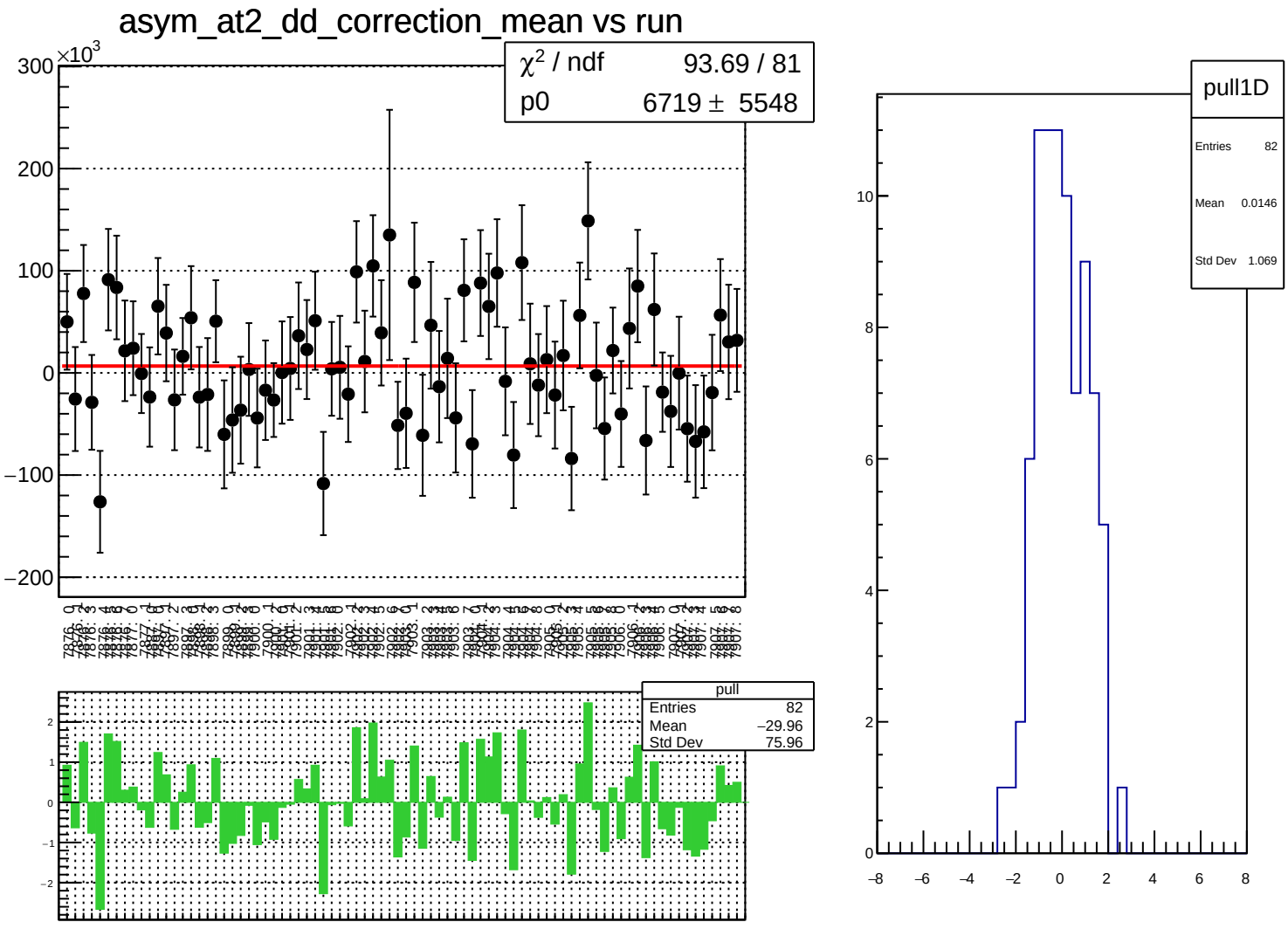

pull1D
Entries 82
Mean −0.01403
Std Dev 0.9395
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

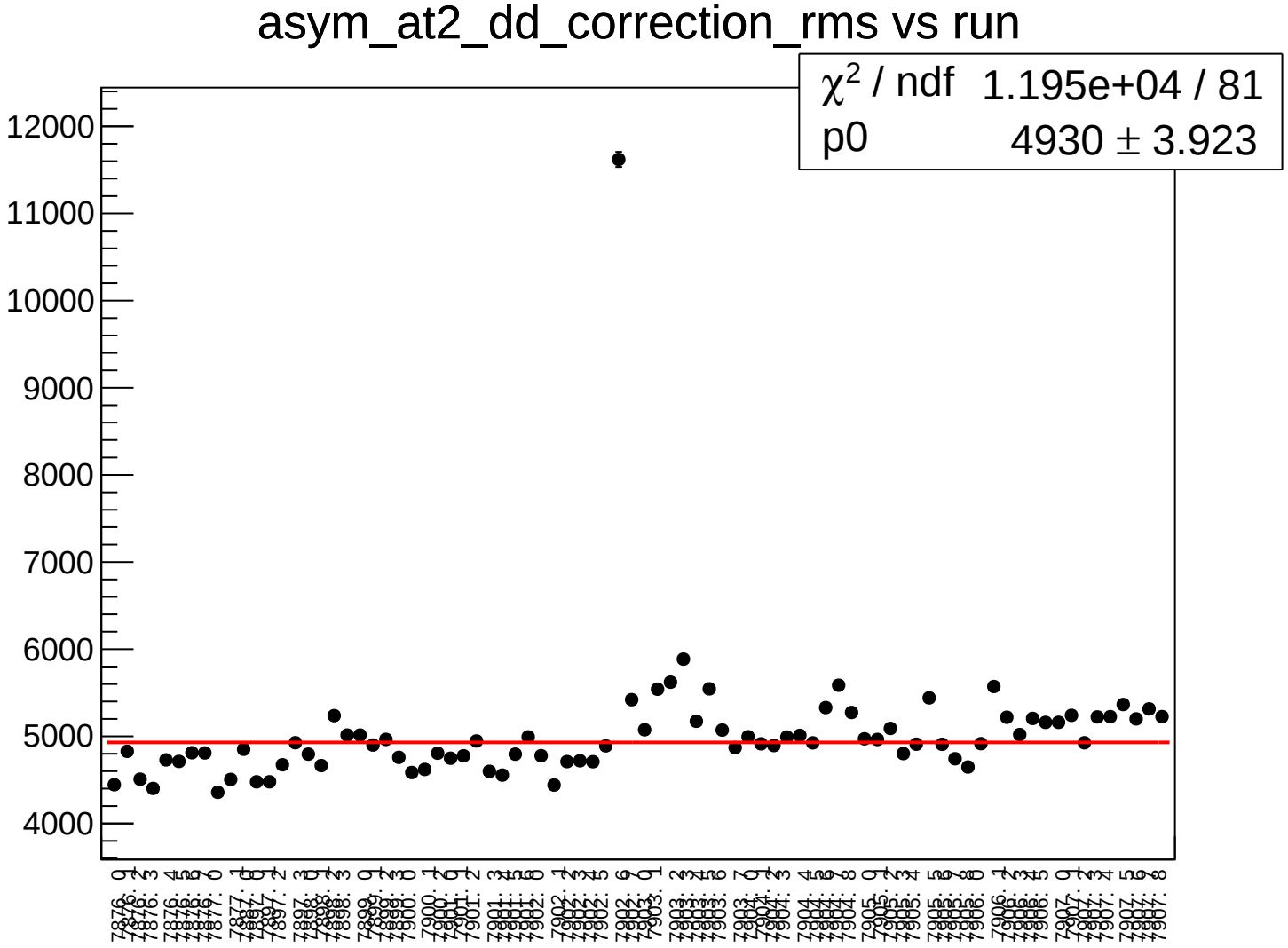

asym_at2_avg_rms vs run
χ² / ndf 3.329e+04 / 81
p0 1.307e+04 ± 10.47
18000
17000
16000
15000
14000
13000
12000
11000
10000

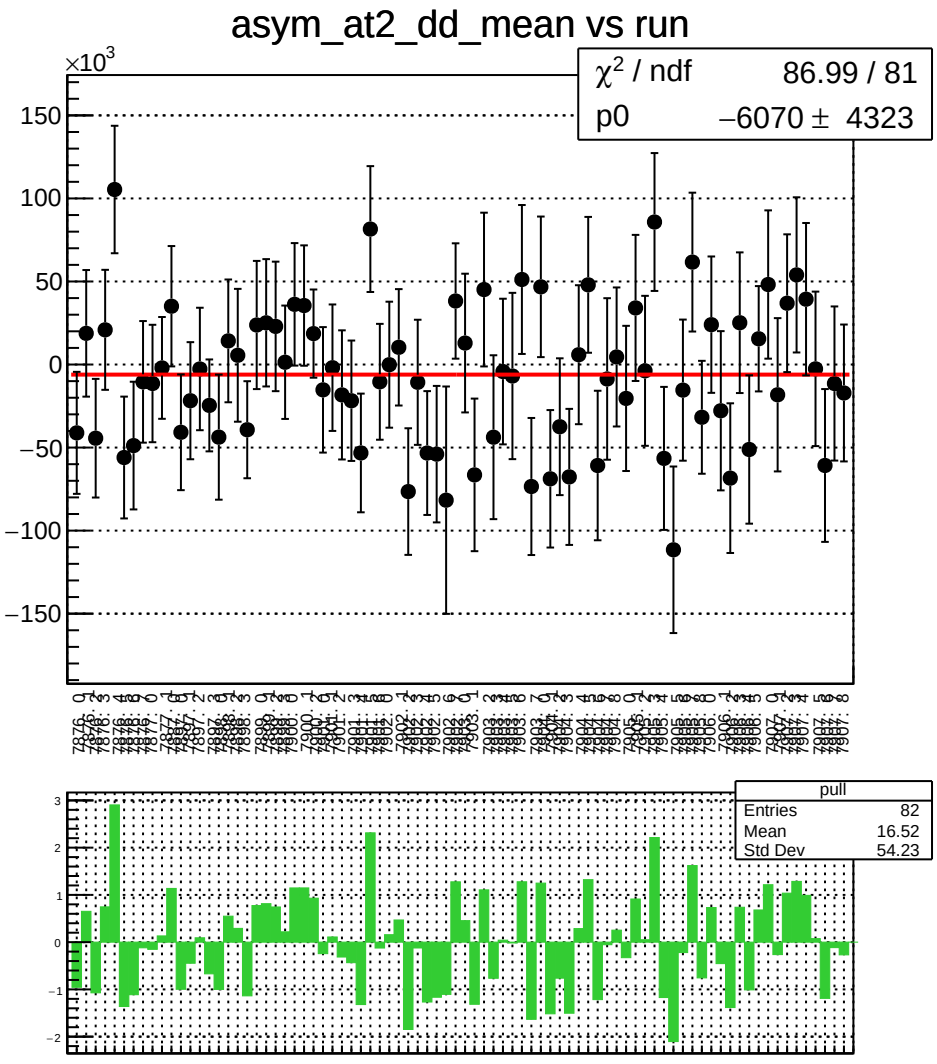

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 81.67 / 81
p0 772.3 ± 2050
pull
Entries 82
Mean −107.7
Std Dev 144.6

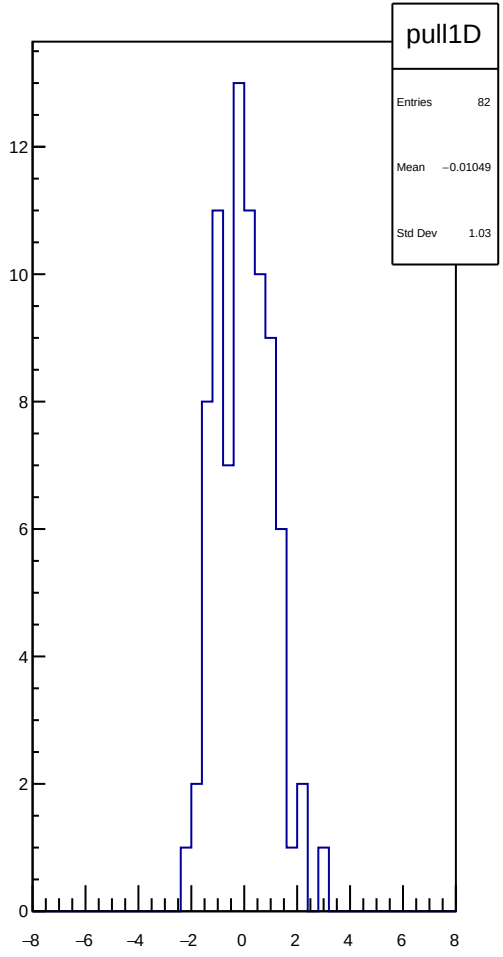

pull1D
Entries 82
Mean 0.01472
Std Dev 0.9979

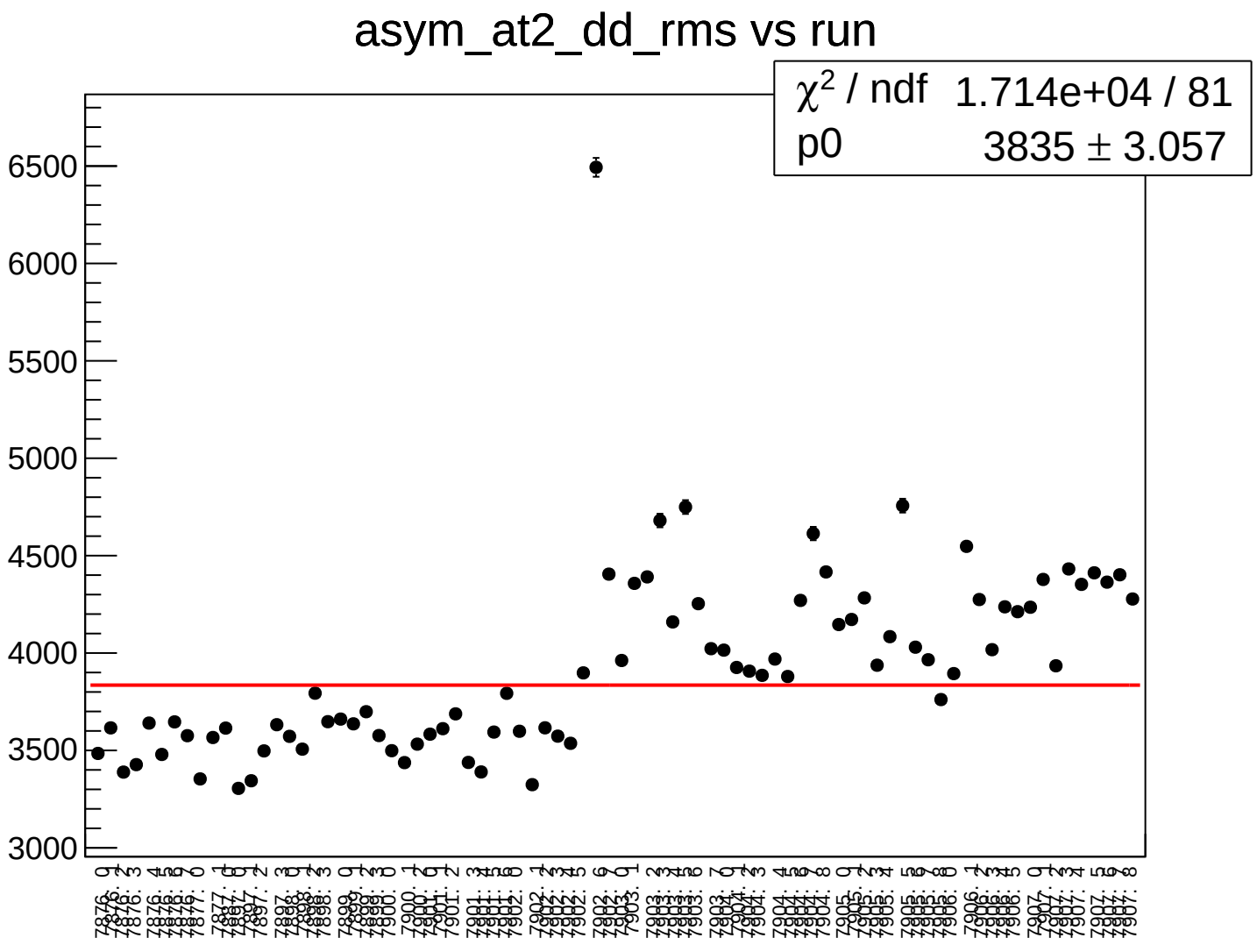

dit_asym_at2_dd_rms vs run
χ2 / ndf 1.039e+04 / 81
p0 1822 ± 1.449
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

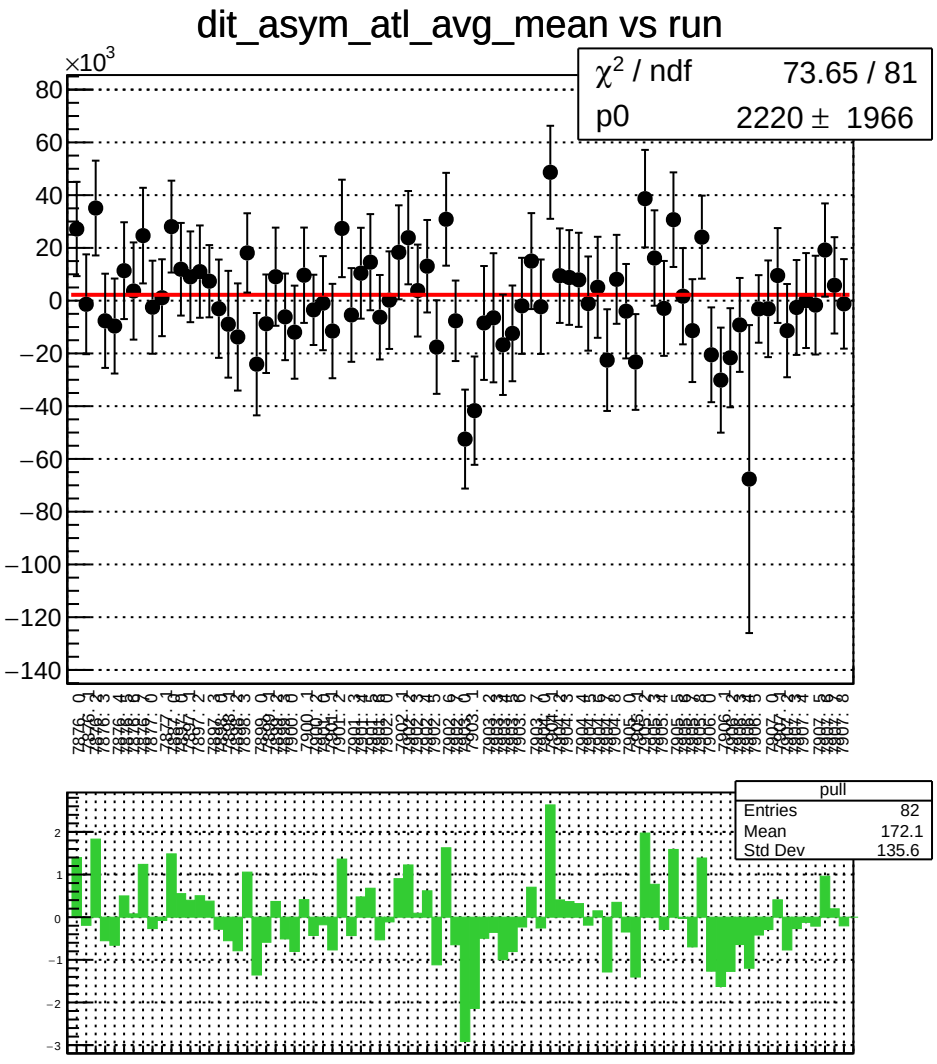

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 93.69 / 81
p0 6719 ± 5548
pull
Entries 82
Mean −29.96
Std Dev 75.96
pull1D
Entries 82
Mean 0.0146
Std Dev 1.069

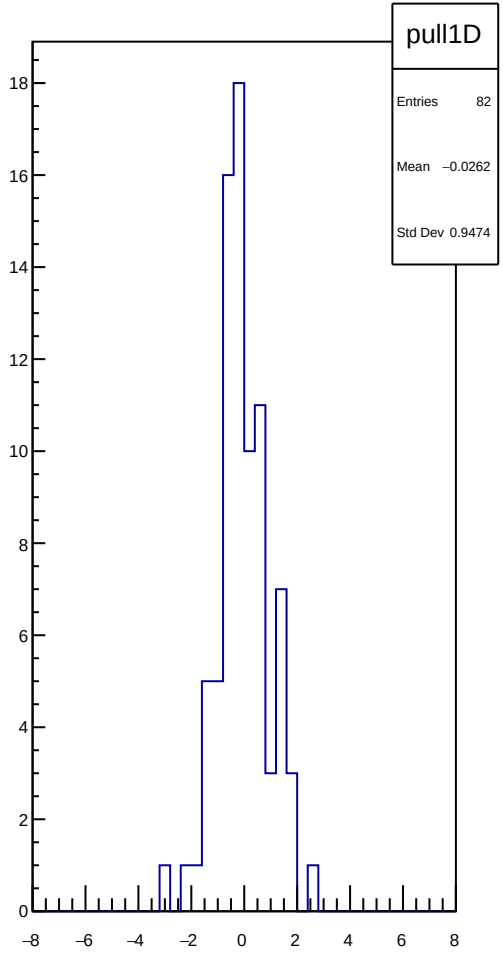

asym_at2_dd_correction_rms vs run
χ2 / ndf 1.195e+04 / 81
p0 4930 ± 3.923
12000
11000
10000
9000
8000
7000
6000
5000
4000

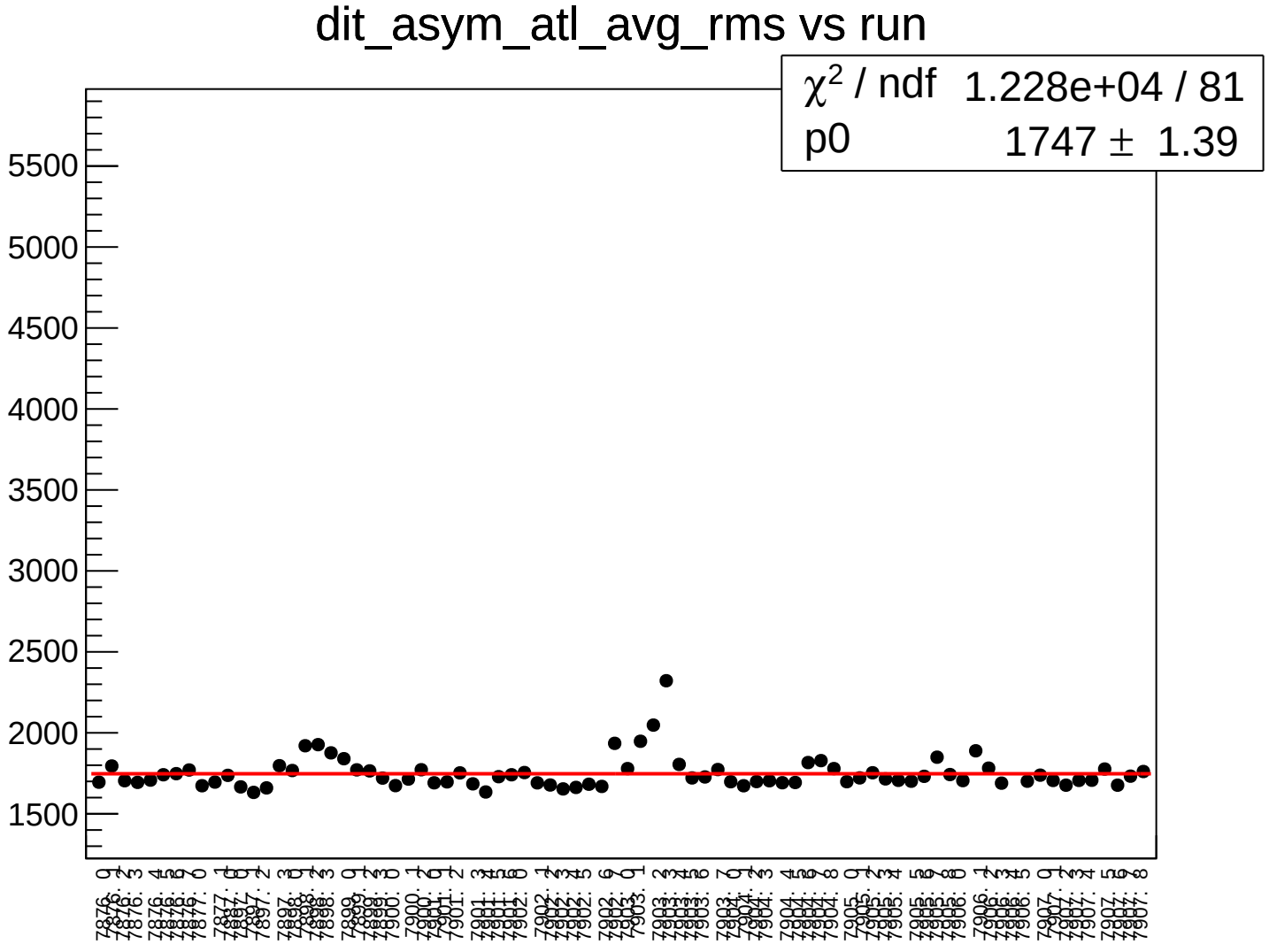

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 86.99 / 81
p0 −6070 ± 4323
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 16.52
Std Dev 54.23
3
2
1
0
−1
−2

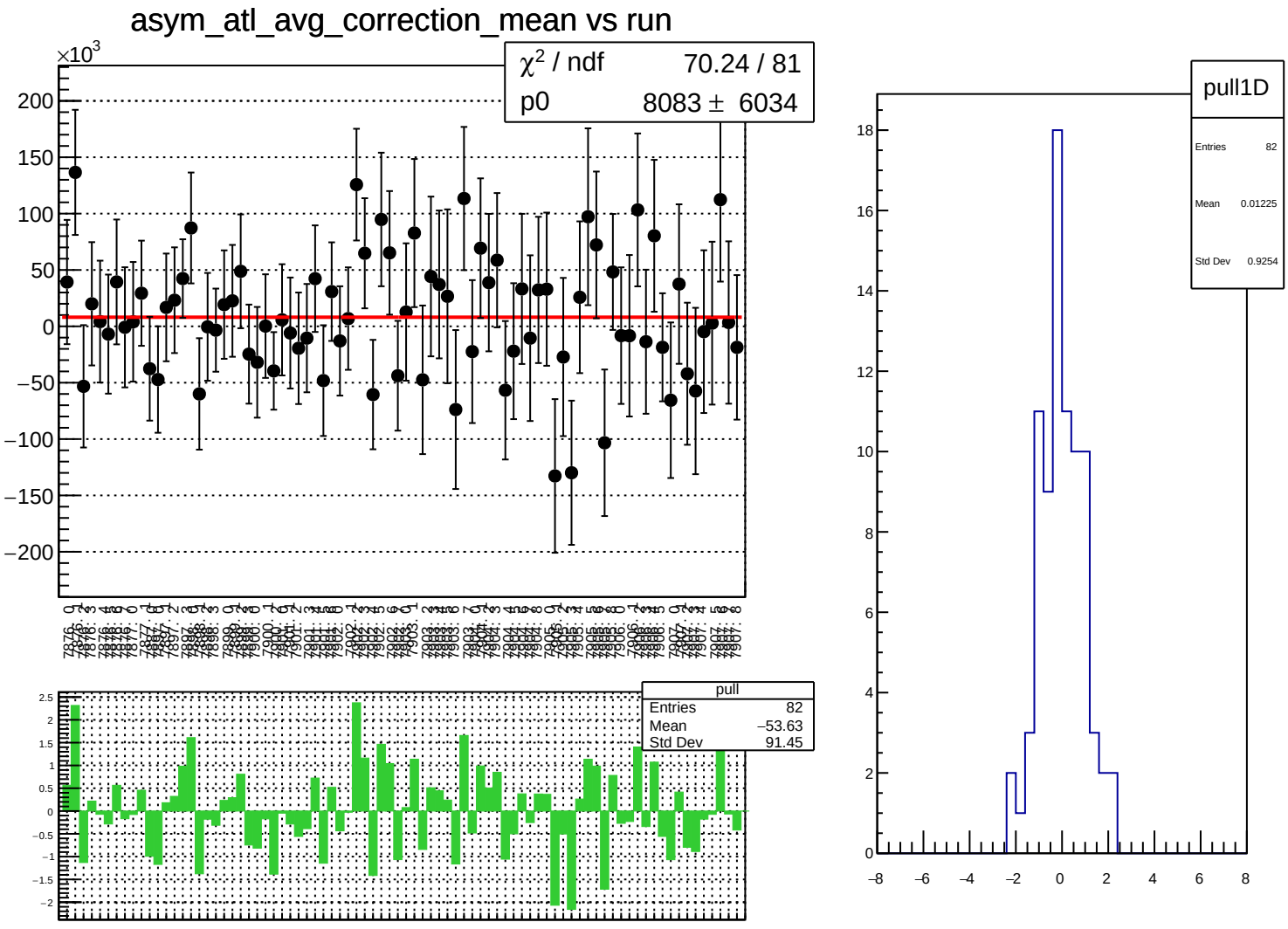

pull1D
Entries 82
Mean −0.01049
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

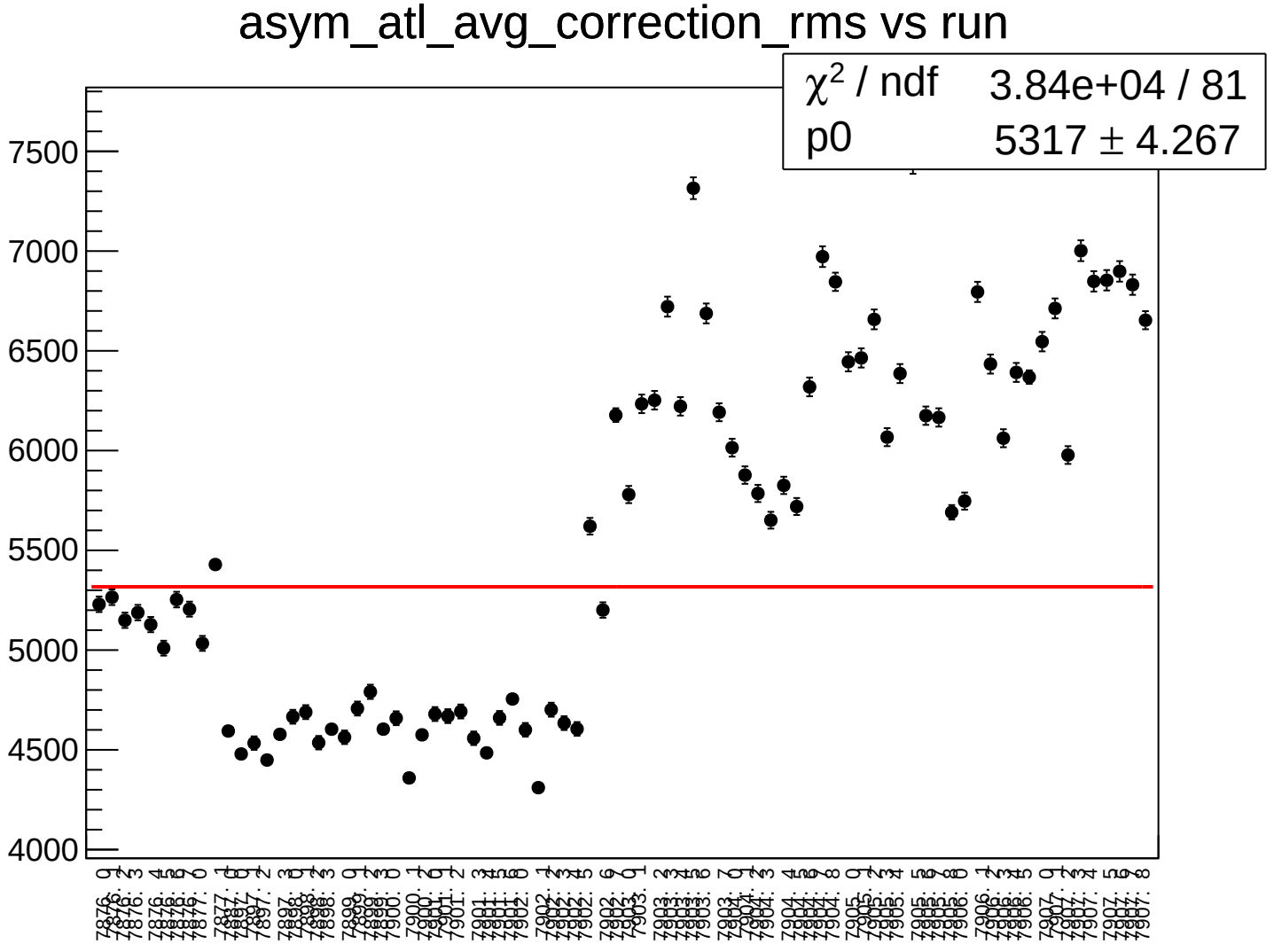

asym_at2_dd_rms vs run
χ^2 / ndf 1.714e+04 / 81
p0 3835 ± 3.057
6500
6000
5500
5000
4500
4000
3500
3000

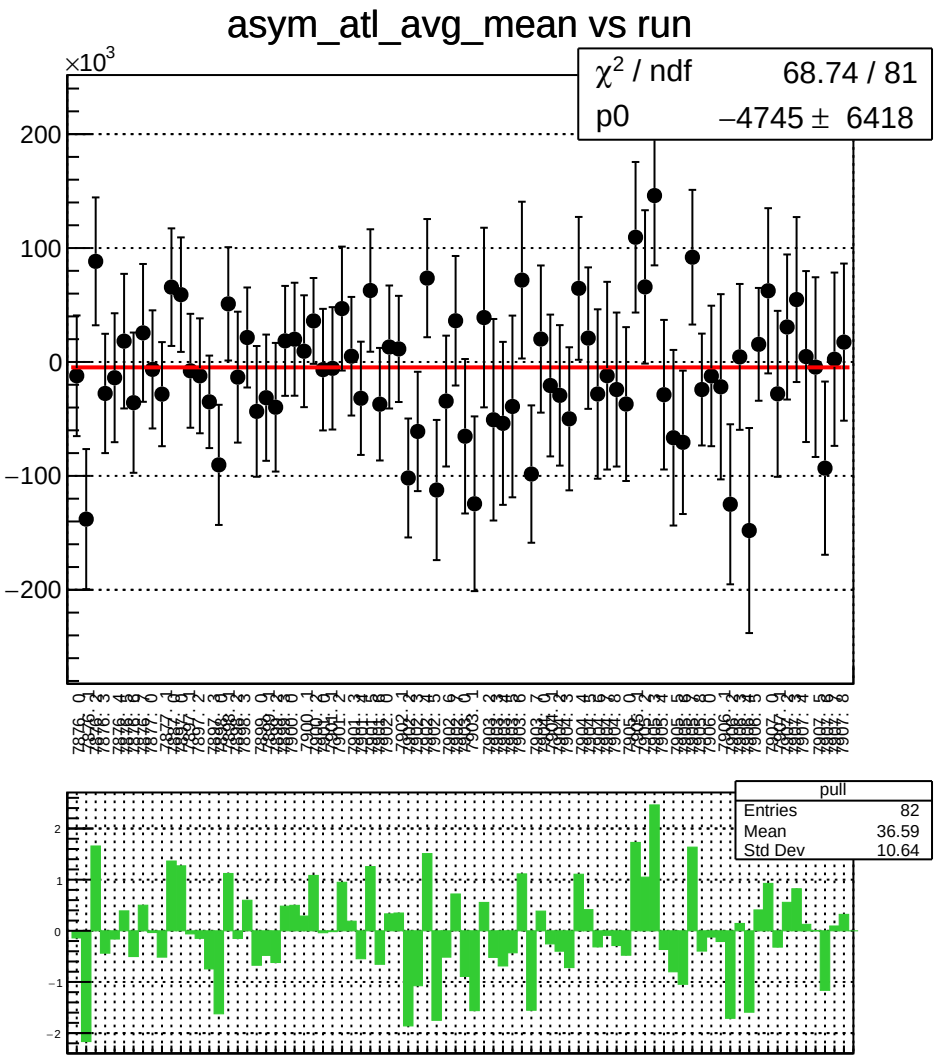

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 73.65 / 81
p0 2220 ± 1966
pull
Entries 82
Mean 172.1
Std Dev 135.6

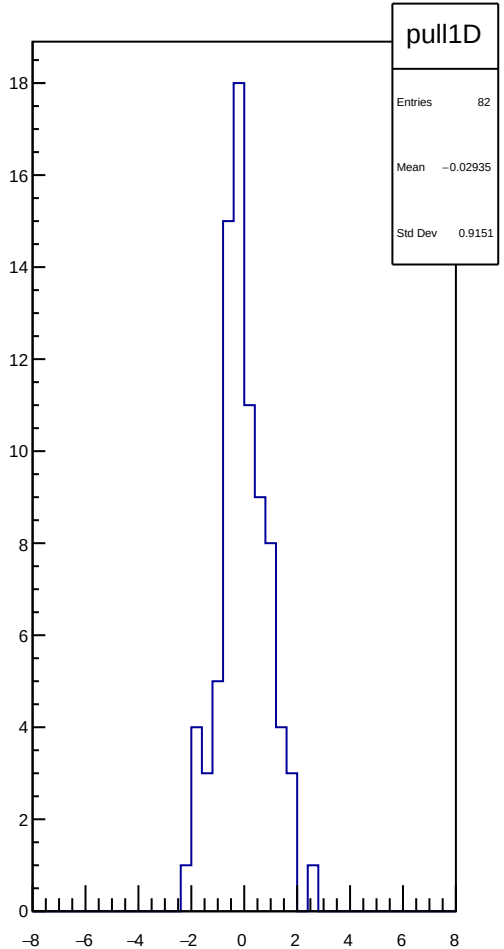

pull1D
Entries 82
Mean −0.0262
Std Dev 0.9474

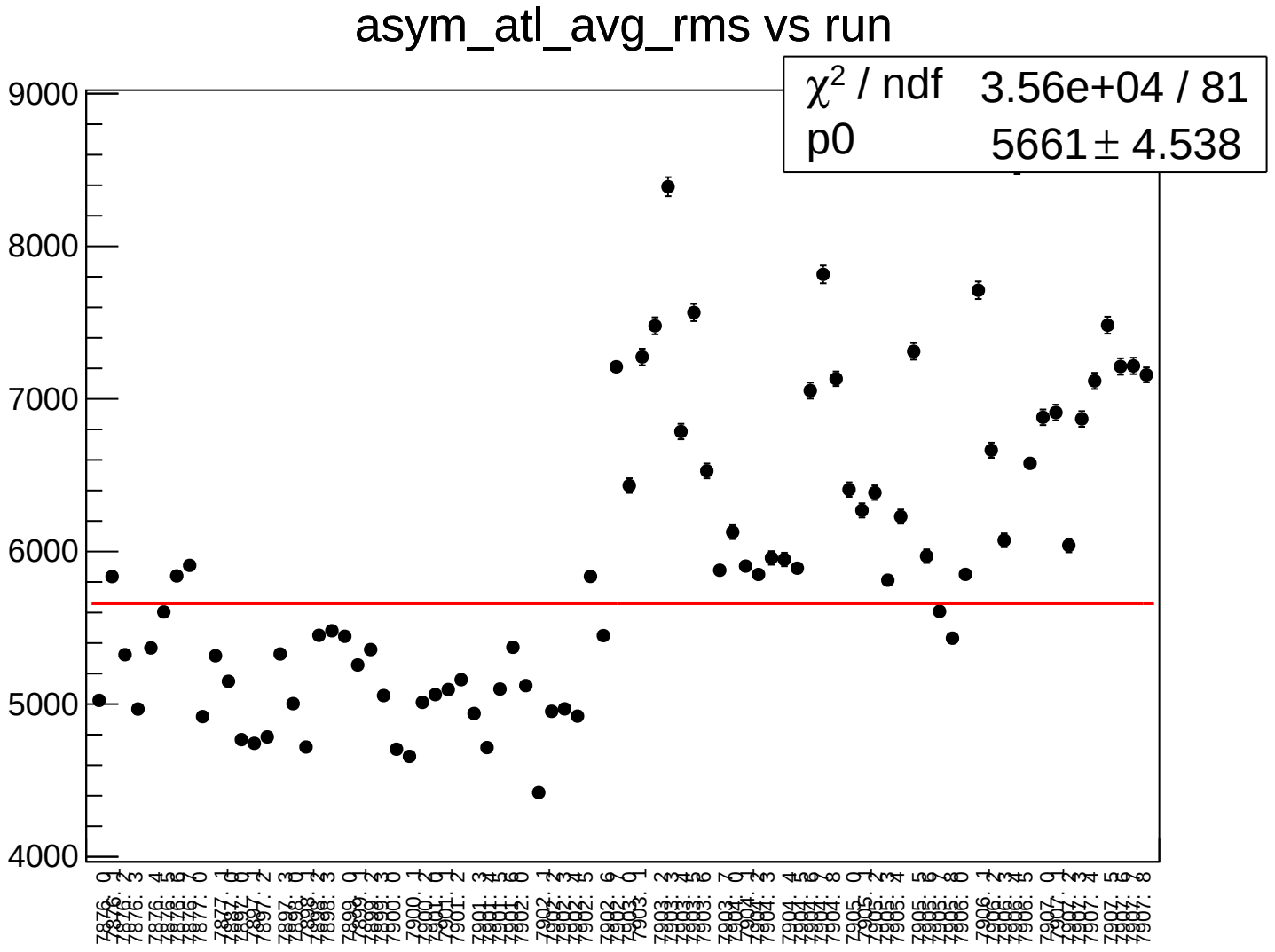

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.228e+04 / 81
p0 1747 ± 1.39
5500
5000
4500
4000
3500
3000
2500
2000
1500

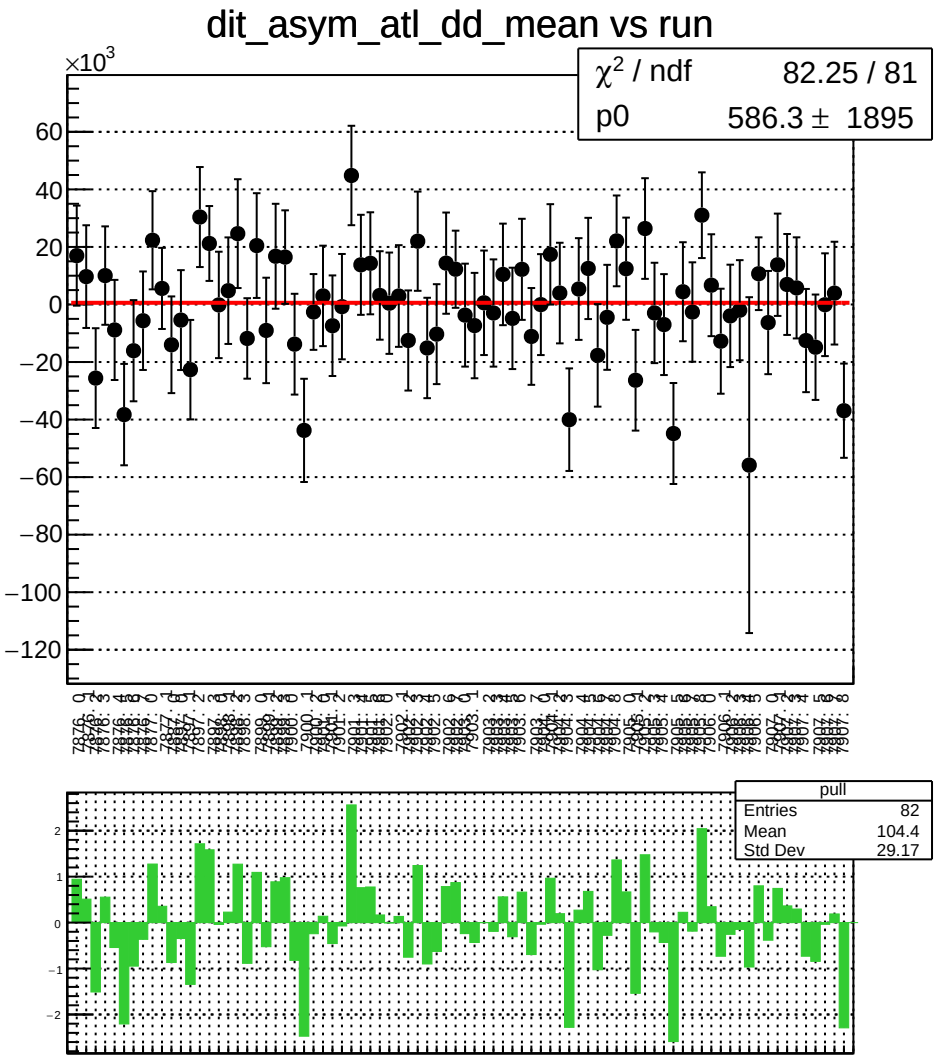

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 70.24 / 81
p0 8083 ± 6034
pull
Entries 82
Mean −53.63
Std Dev 91.45
pull1D
Entries 82
Mean 0.01225
Std Dev 0.9254

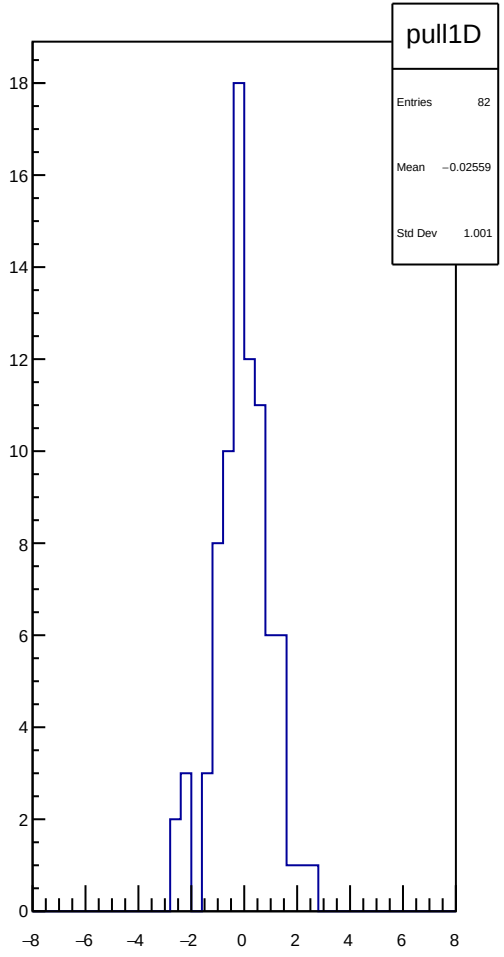

asym_atl_avg_correction_rms vs run
χ^2 / ndf 3.84e+04 / 81
p0 5317 ± 4.267
7500
7000
6500
6000
5500
5000
4500
4000

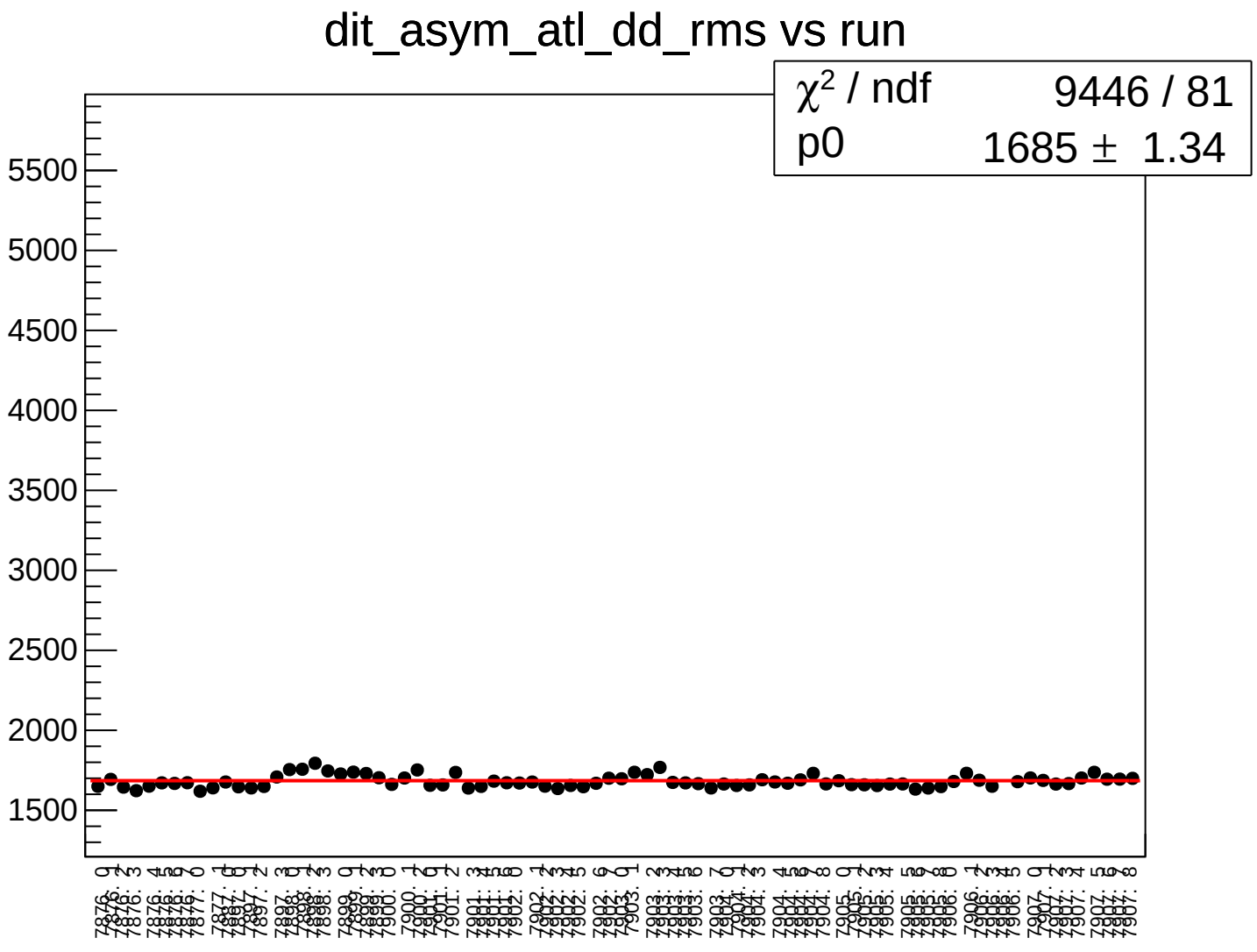

asym_atl_avg_mean vs run
×10^3
χ² / ndf 68.74 / 81
p0 −4745 ± 6418
pull
Entries 82
Mean 36.59
Std Dev 10.64

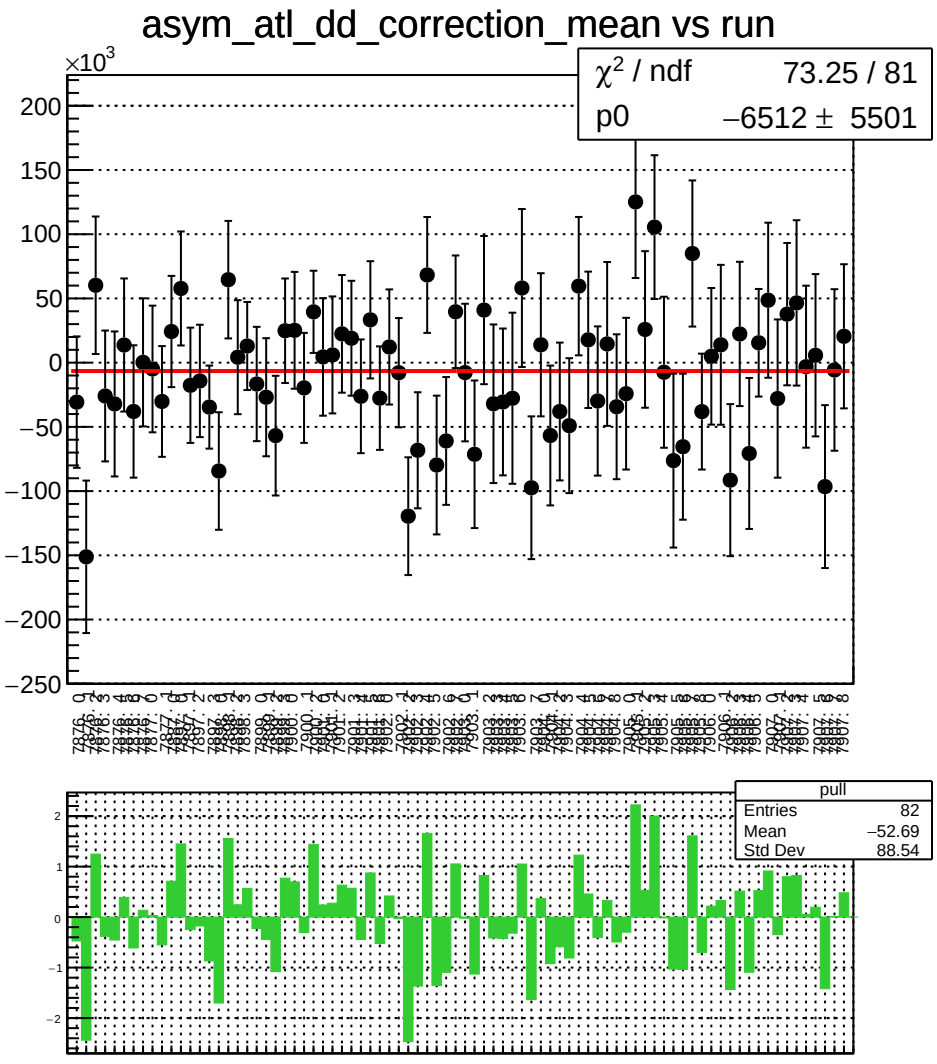

pull1D
Entries 82
Mean −0.02935
Std Dev 0.9151

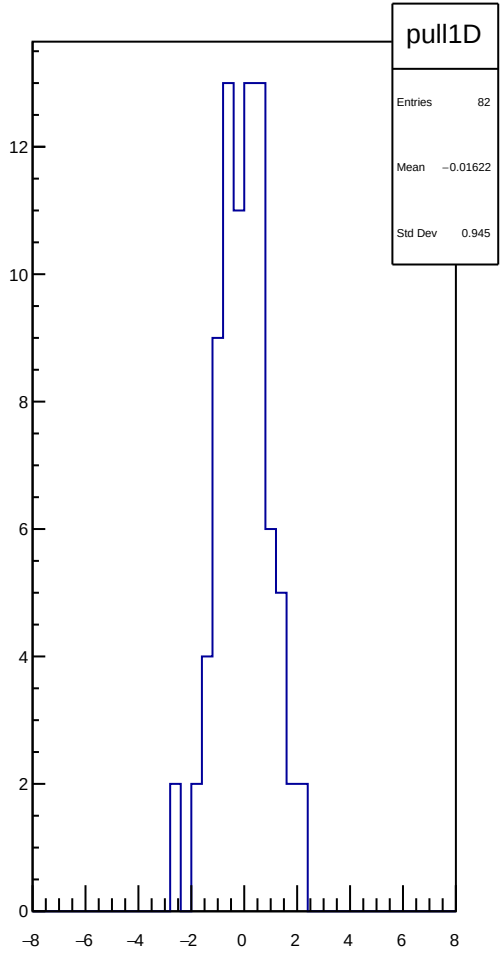

asym_atl_avg_rms vs run
χ^2 / ndf 3.56e+04 / 81
p0 5661 ± 4.538
9000
8000
7000
6000
5000
4000


dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 82.25 / 81
p0 586.3 ± 1895
pull
Entries 82
Mean 104.4
Std Dev 29.17

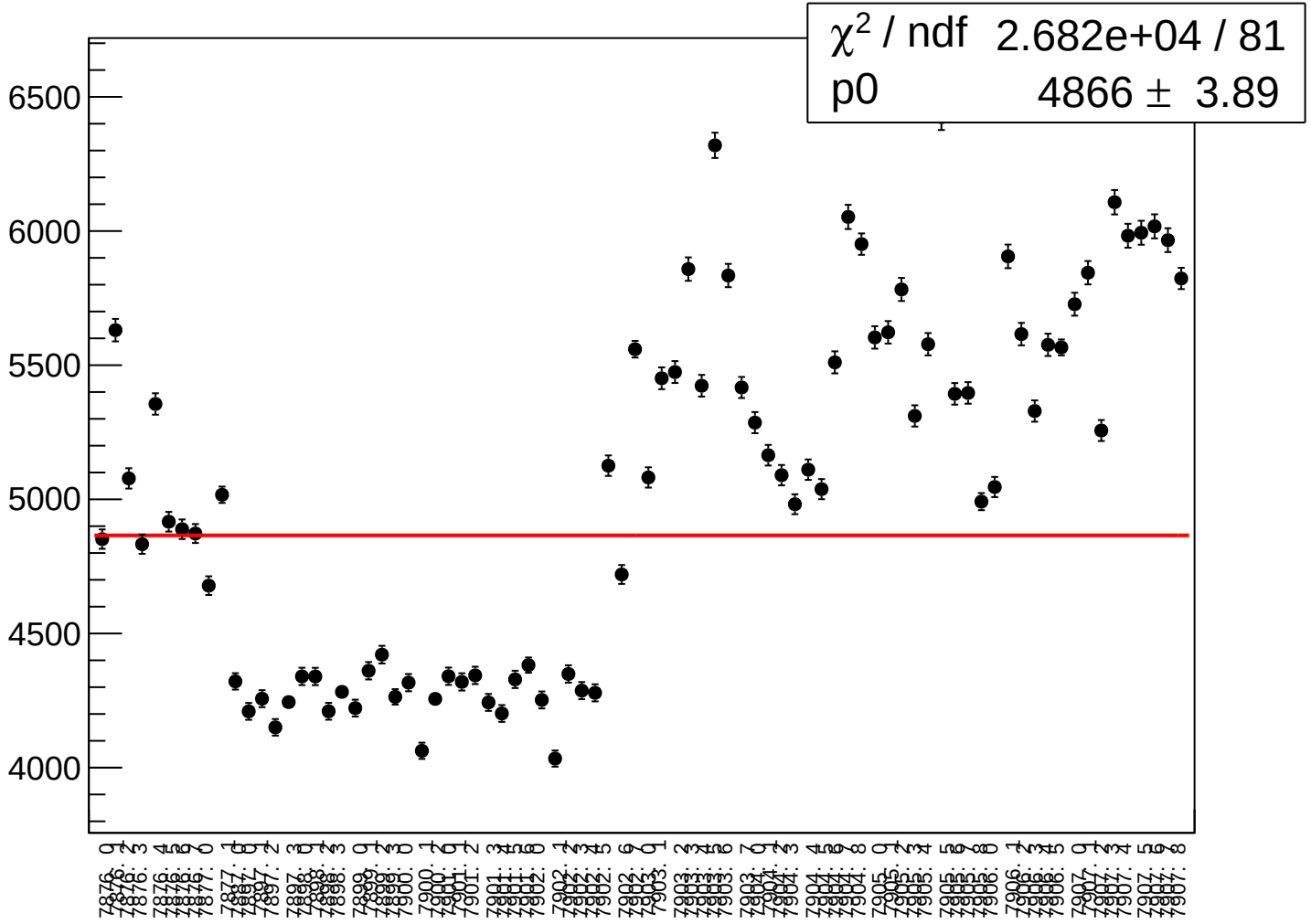

pull1D
Entries 82
Mean −0.02559
Std Dev 1.001

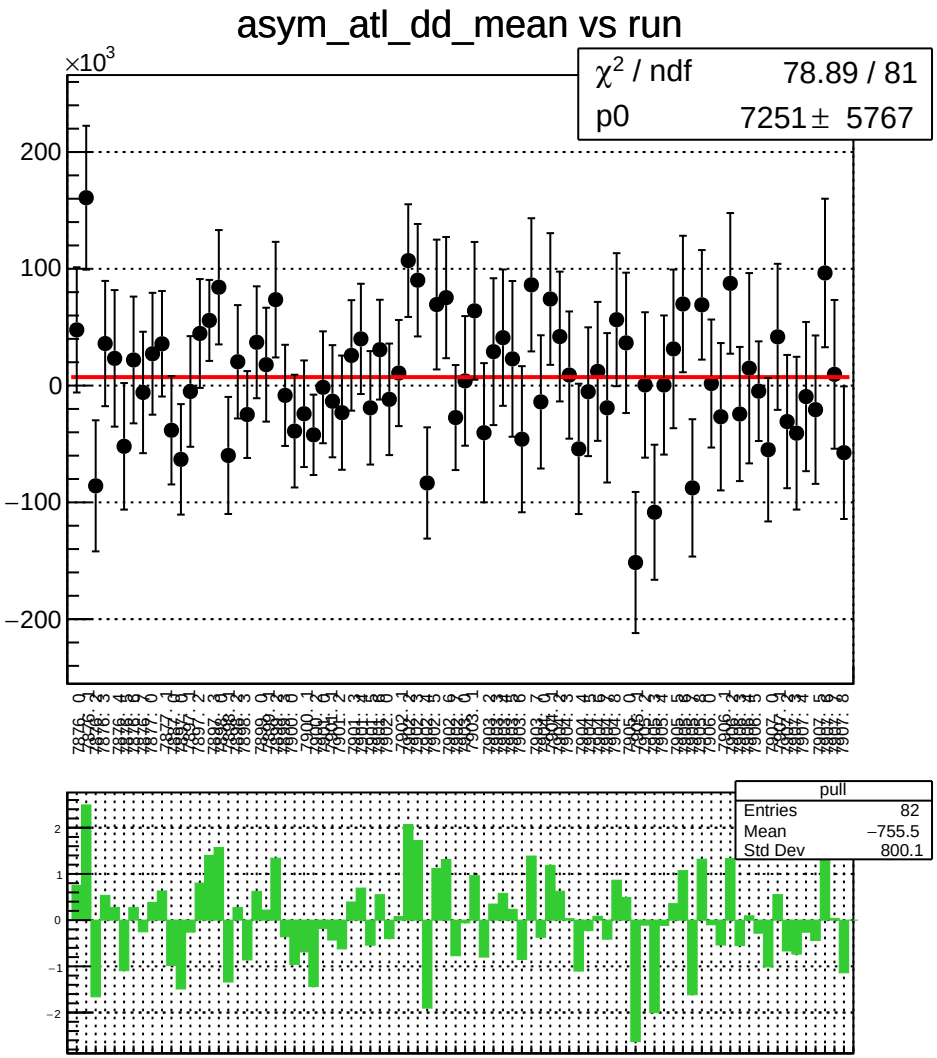

dit_asym_atl_dd_rms vs run
χ² / ndf 9446 / 81
p0 1685 ± 1.34
5500
5000
4500
4000
3500
3000
2500
2000
1500

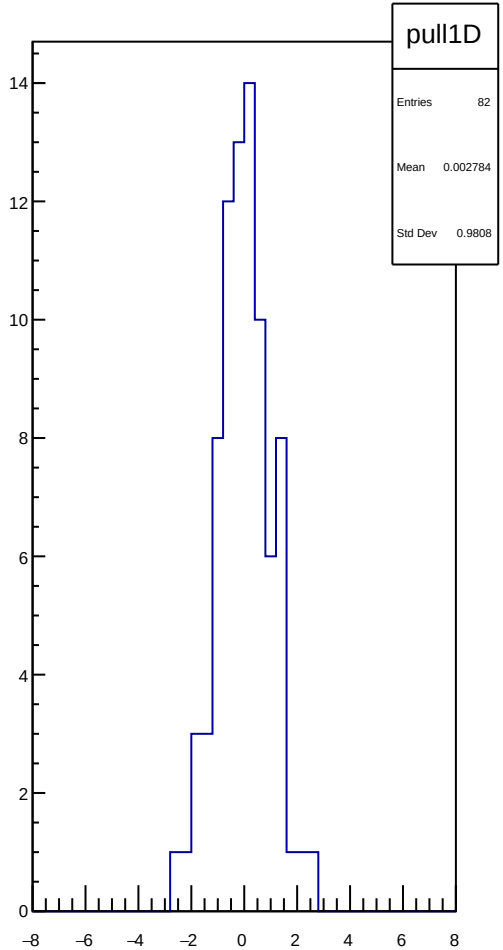

asym_atl_dd_correction_mean vs run
χ^2 / ndf 73.25 / 81
p0 −6512 ± 5501
×10^3
pull
Entries 82
Mean −52.69
Std Dev 88.54


pull1D
Entries 82
Mean −0.01622
Std Dev 0.945

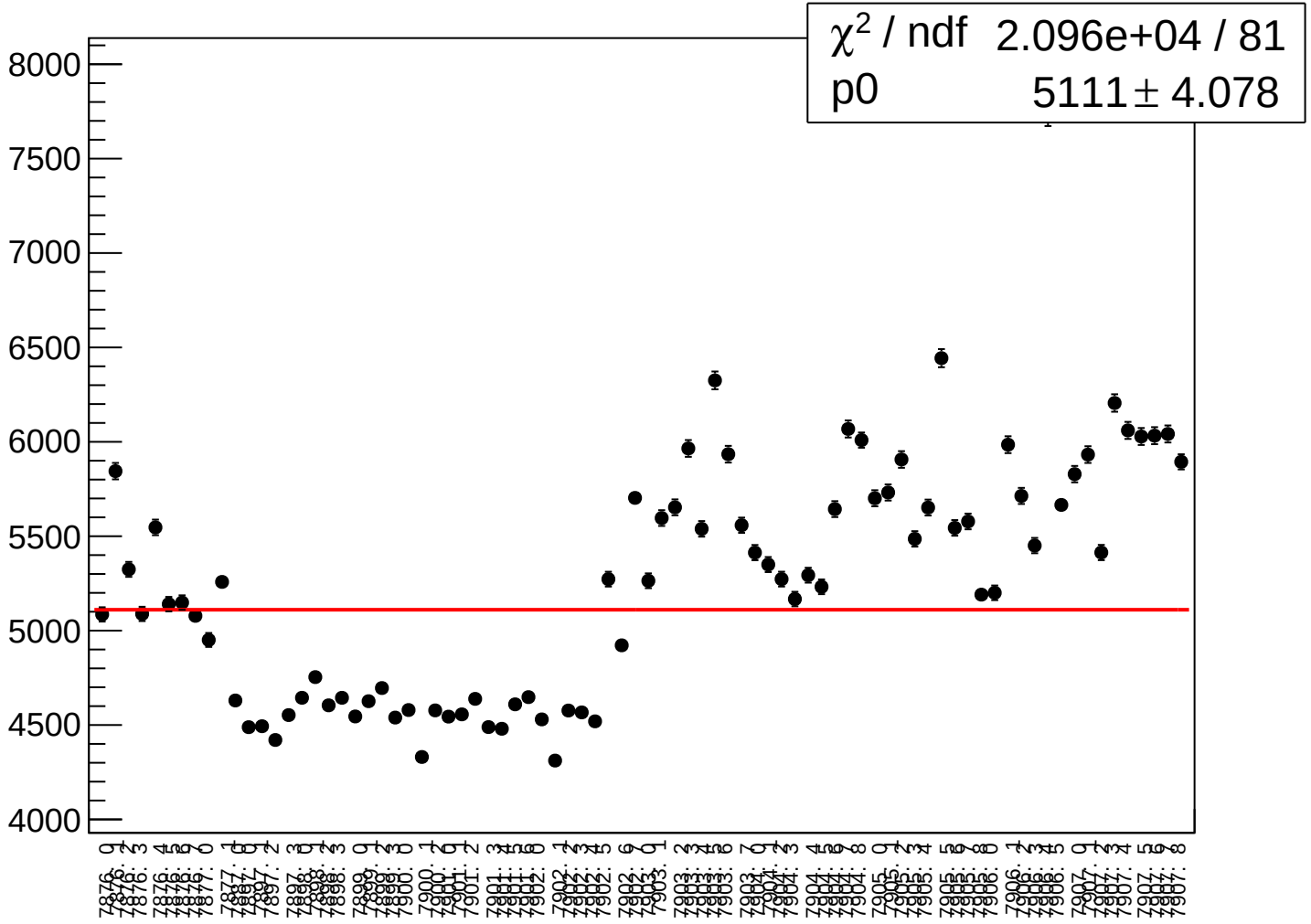
asym_atl_dd_correction_rms vs run

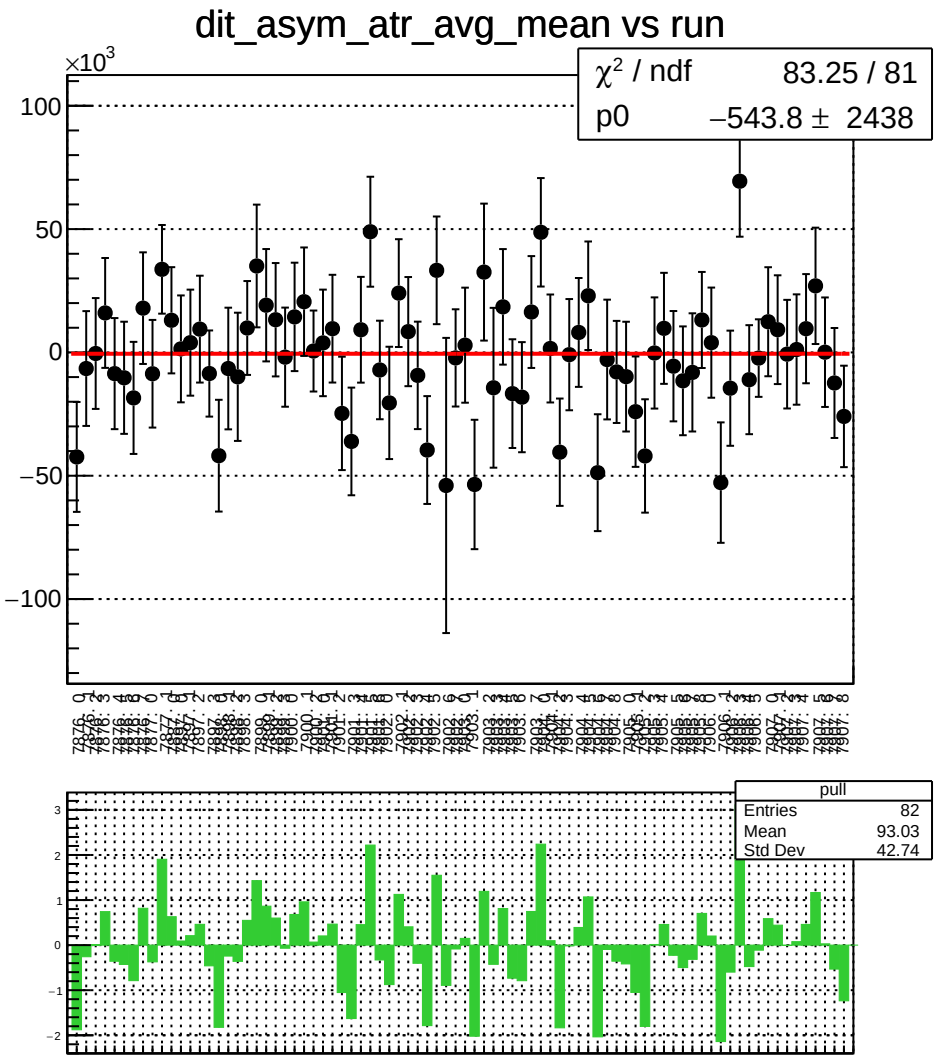


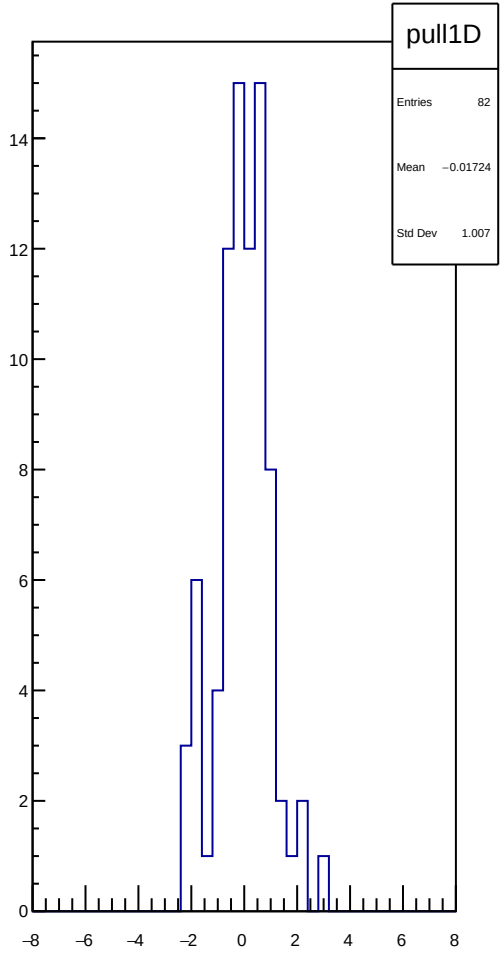

asym_atl_dd_mean vs run
×10^3
χ² / ndf 78.89 / 81
p0 7251 ± 5767
pull
Entries 82
Mean −755.5
Std Dev 800.1

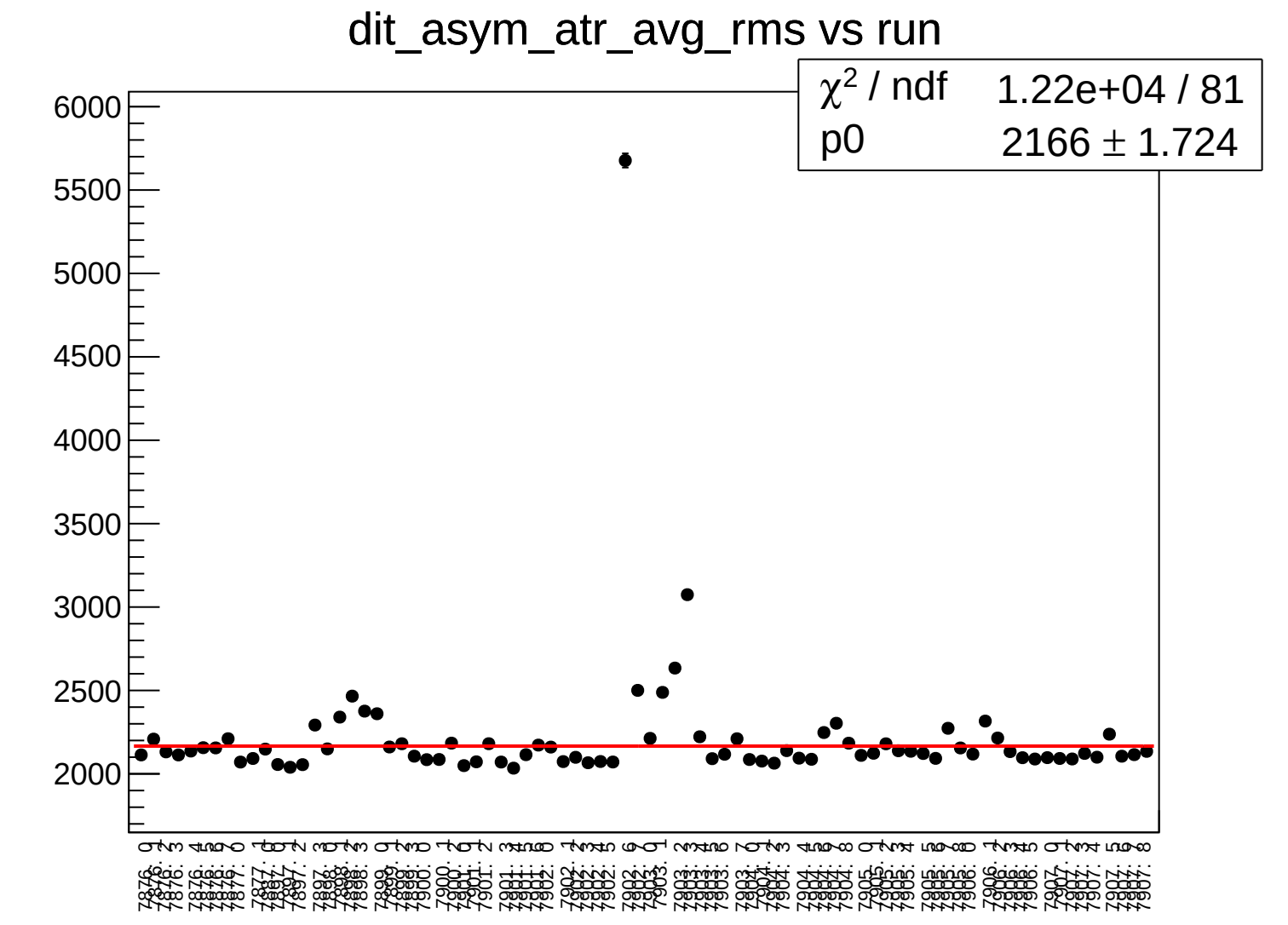

pull1D
Entries 82
Mean 0.002784
Std Dev 0.9808

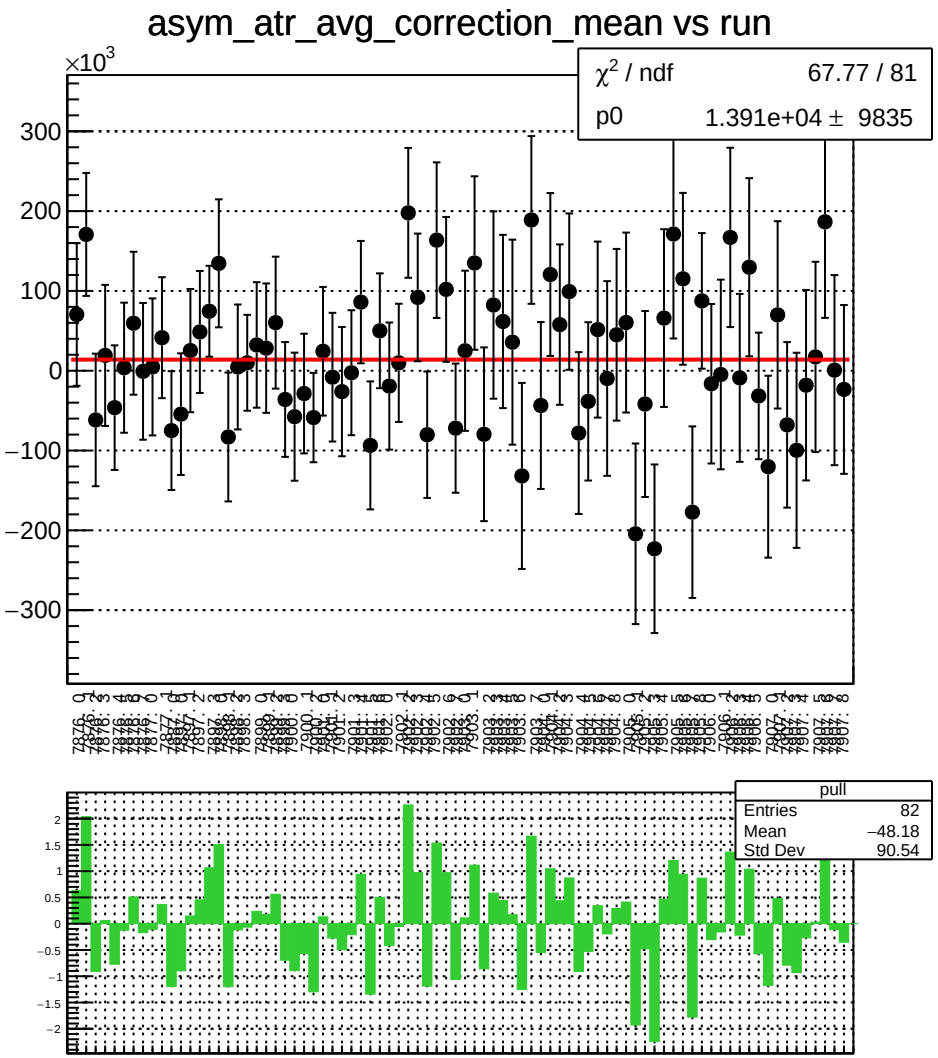
asym_atl_dd_rms vs run

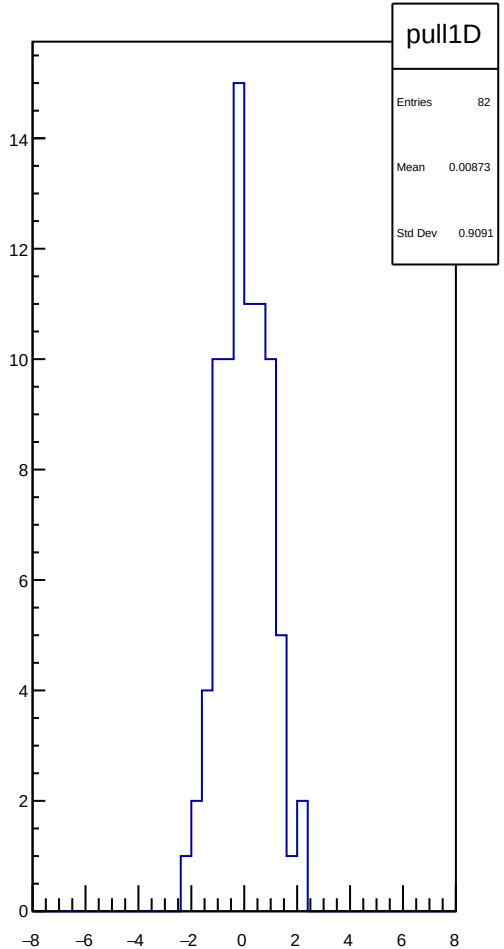


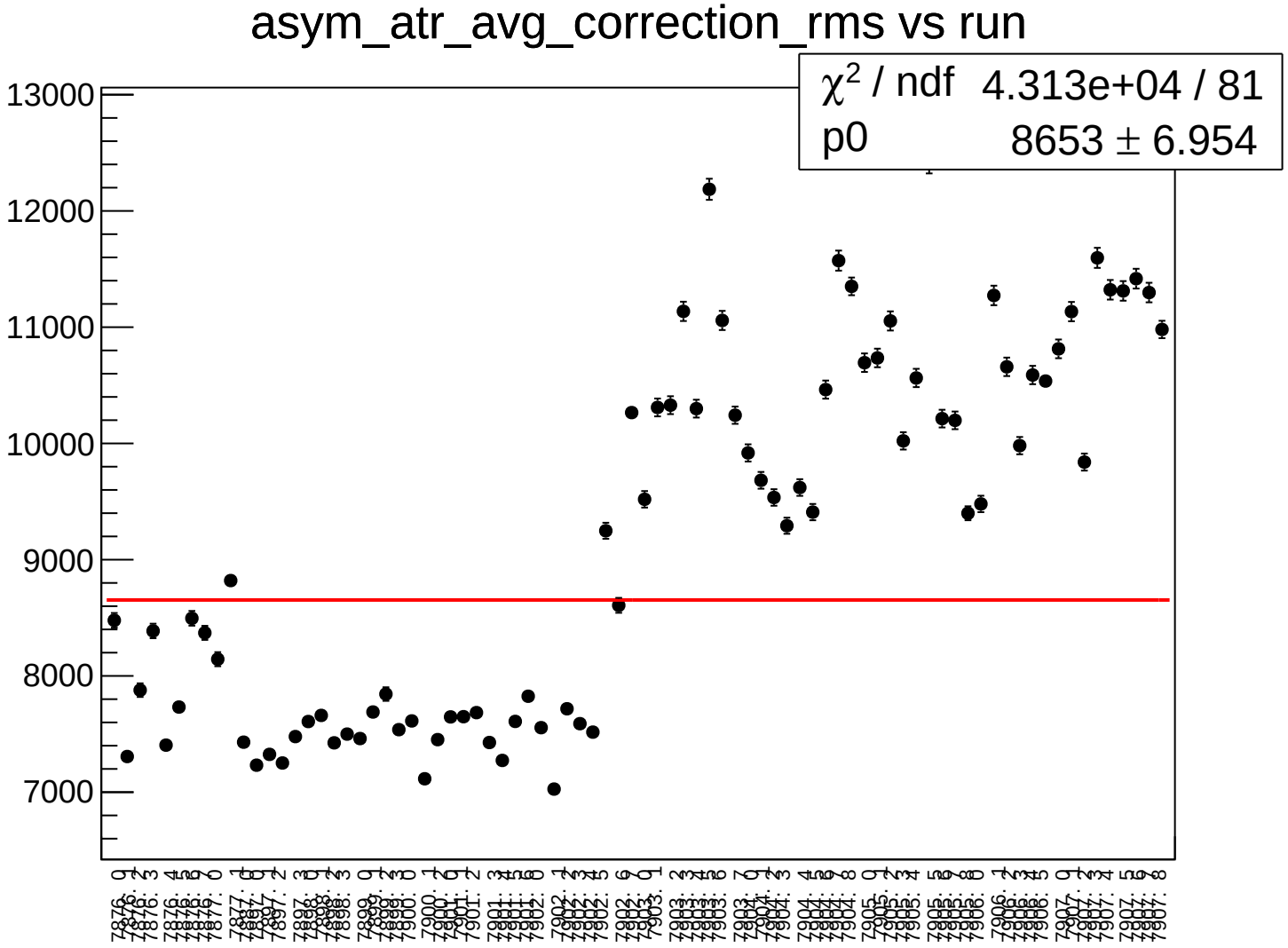

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 83.25 / 81
p0 −543.8 ± 2438
pull
Entries 82
Mean 93.03
Std Dev 42.74

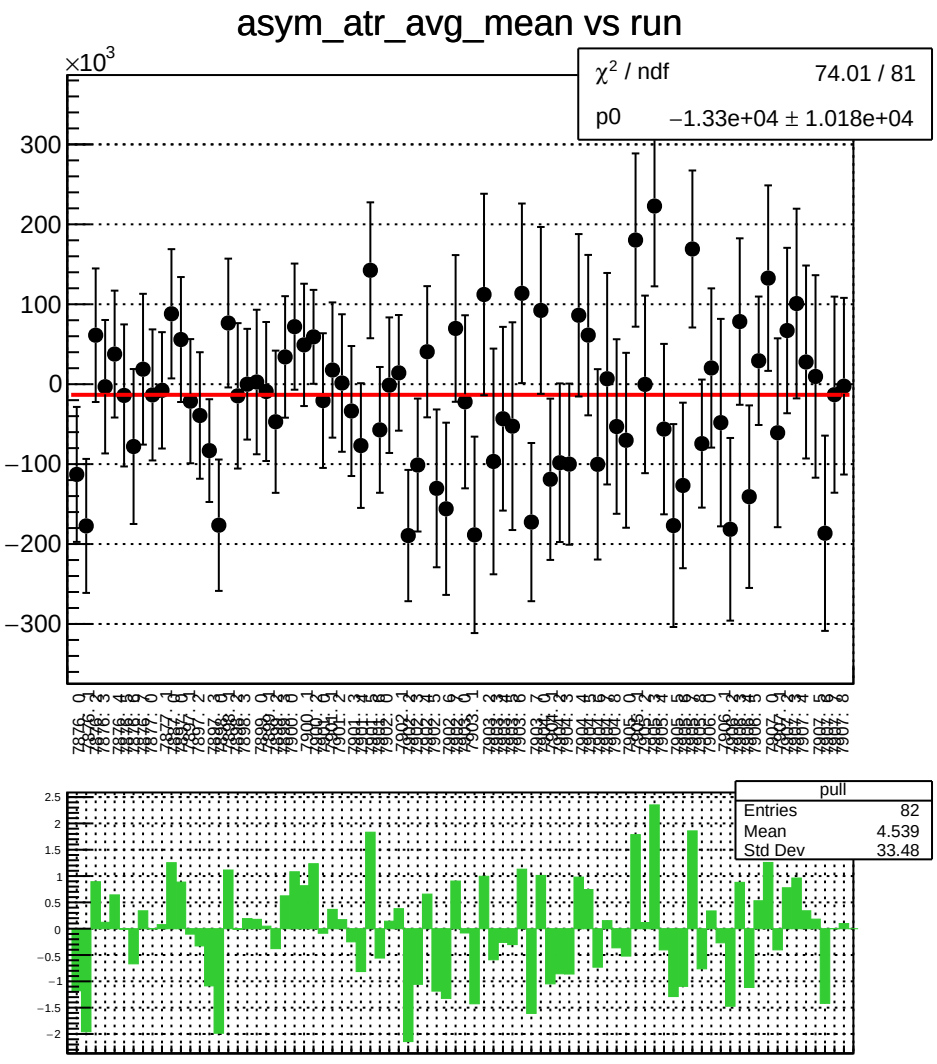

pull1D
Entries 82
Mean −0.01724
Std Dev 1.007

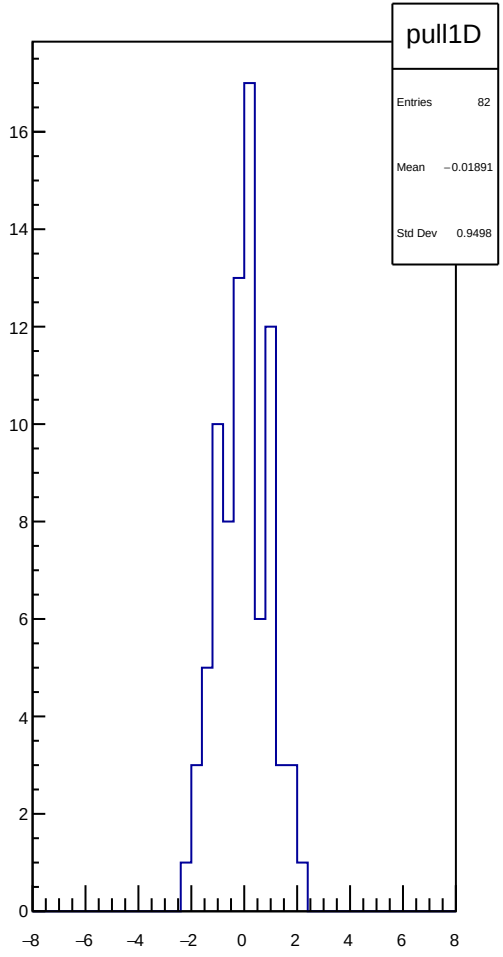

dit_asym_atr_avg_rms vs run
χ2 / ndf 1.22e+04 / 81
p0 2166 ± 1.724
6000
5500
5000
4500
4000
3500
3000
2500
2000


asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 67.77 / 81
p0 1.391e+04 ± 9835
pull
Entries 82
Mean −48.18
Std Dev 90.54

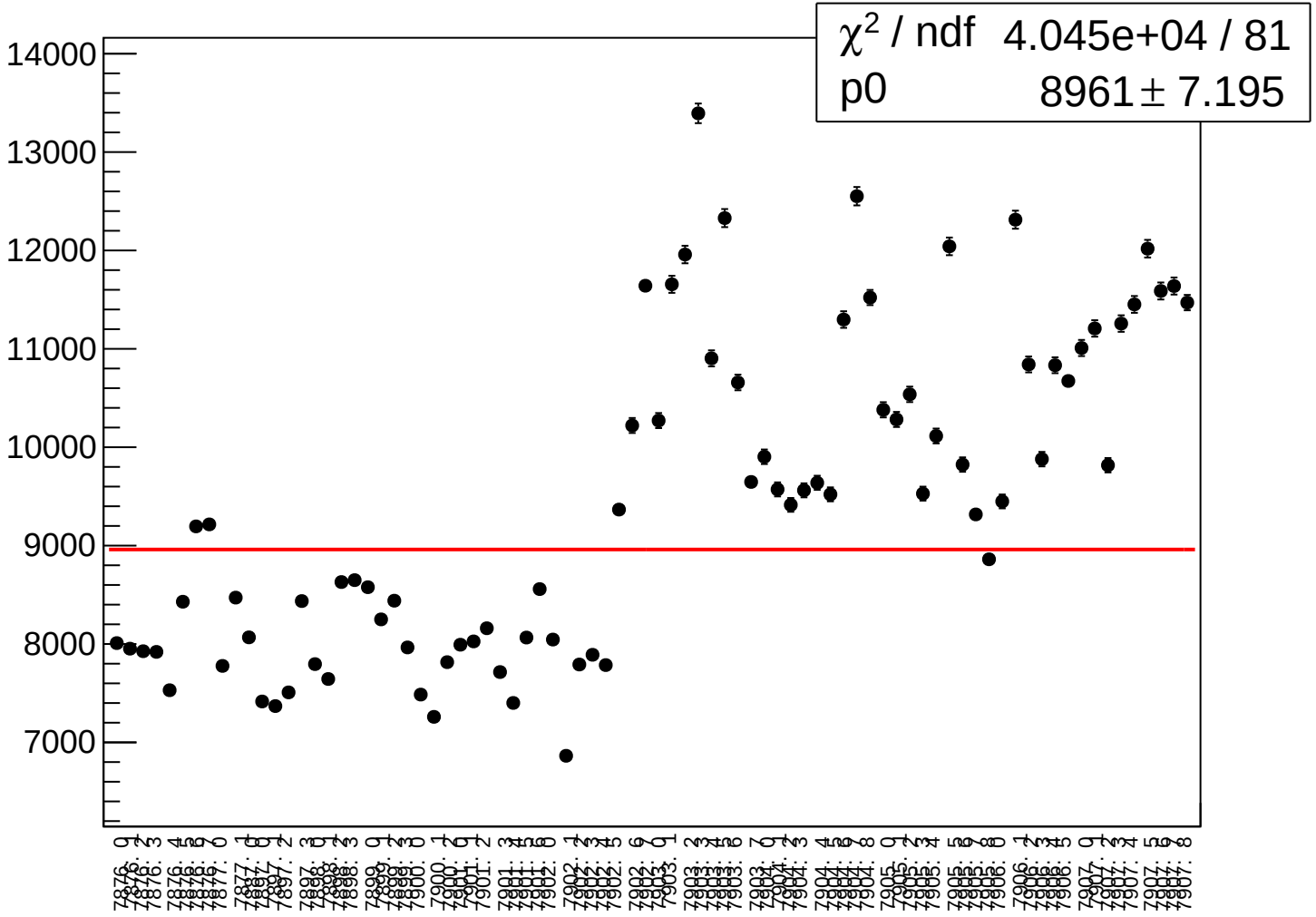

pull1D
Entries 82
Mean 0.00873
Std Dev 0.9091

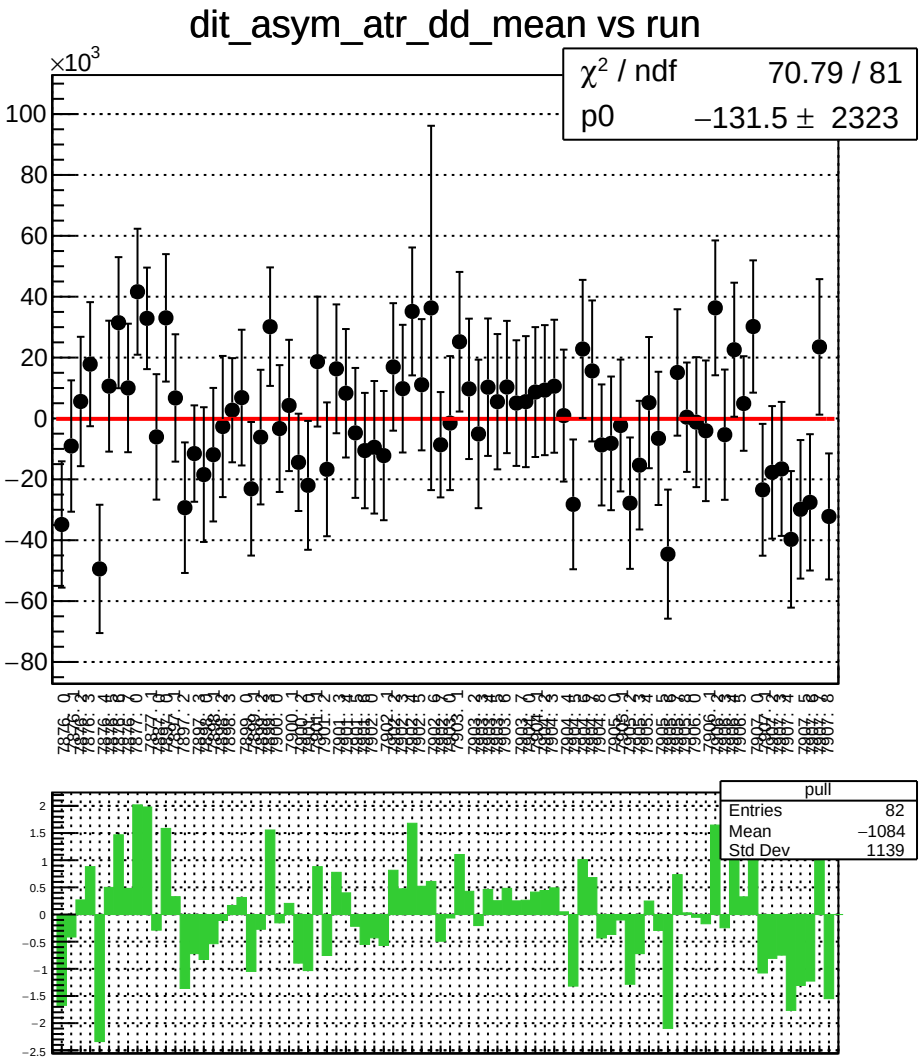

asym_atr_avg_correction_rms vs run
χ^2 / ndf 4.313e+04 / 81
p0 8653 ± 6.954
13000
12000
11000
10000
9000
8000
7000

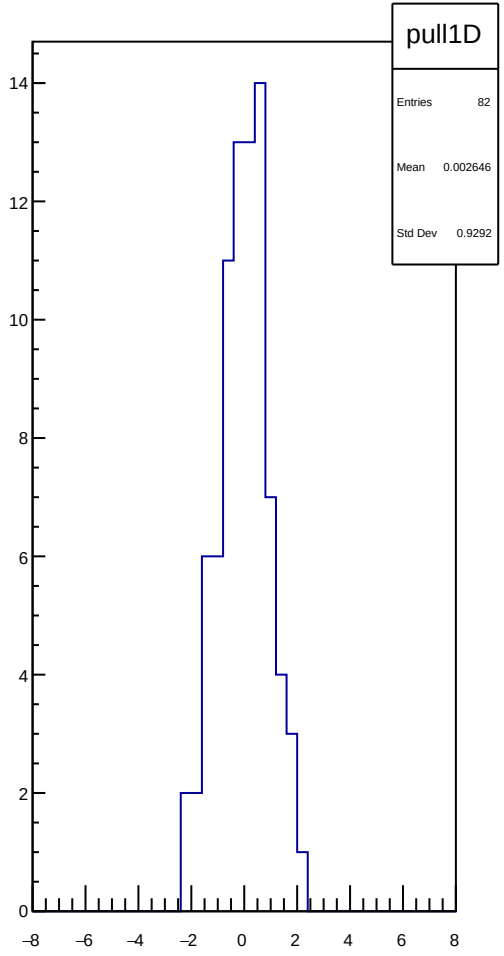

asym_atr_avg_mean vs run
×10^3
χ² / ndf 74.01 / 81
p0 −1.33e+04 ± 1.018e+04
pull
Entries 82
Mean 4.539
Std Dev 33.48


pull1D
Entries 82
Mean −0.01891
Std Dev 0.9498

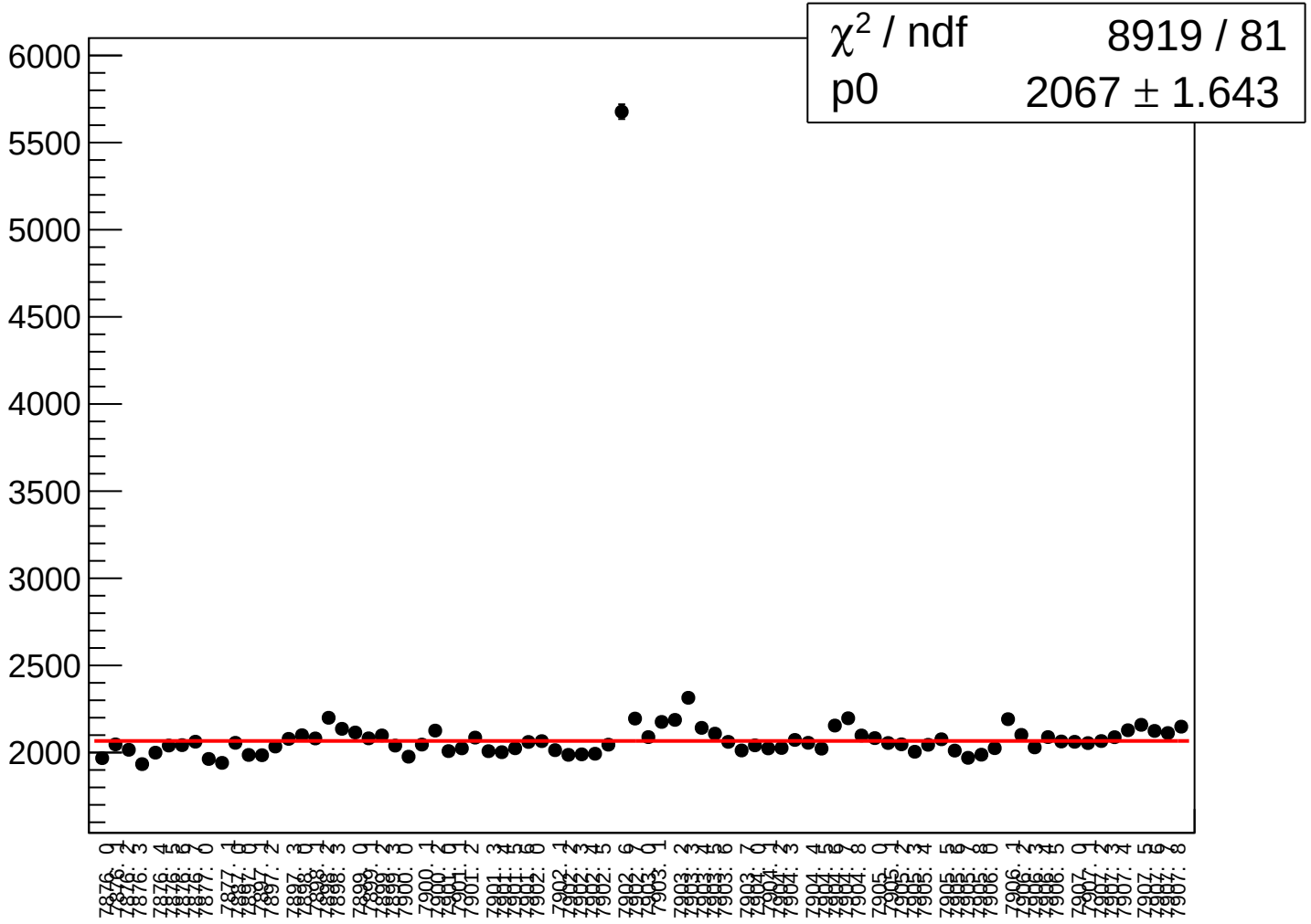
asym_atr_avg_rms vs run

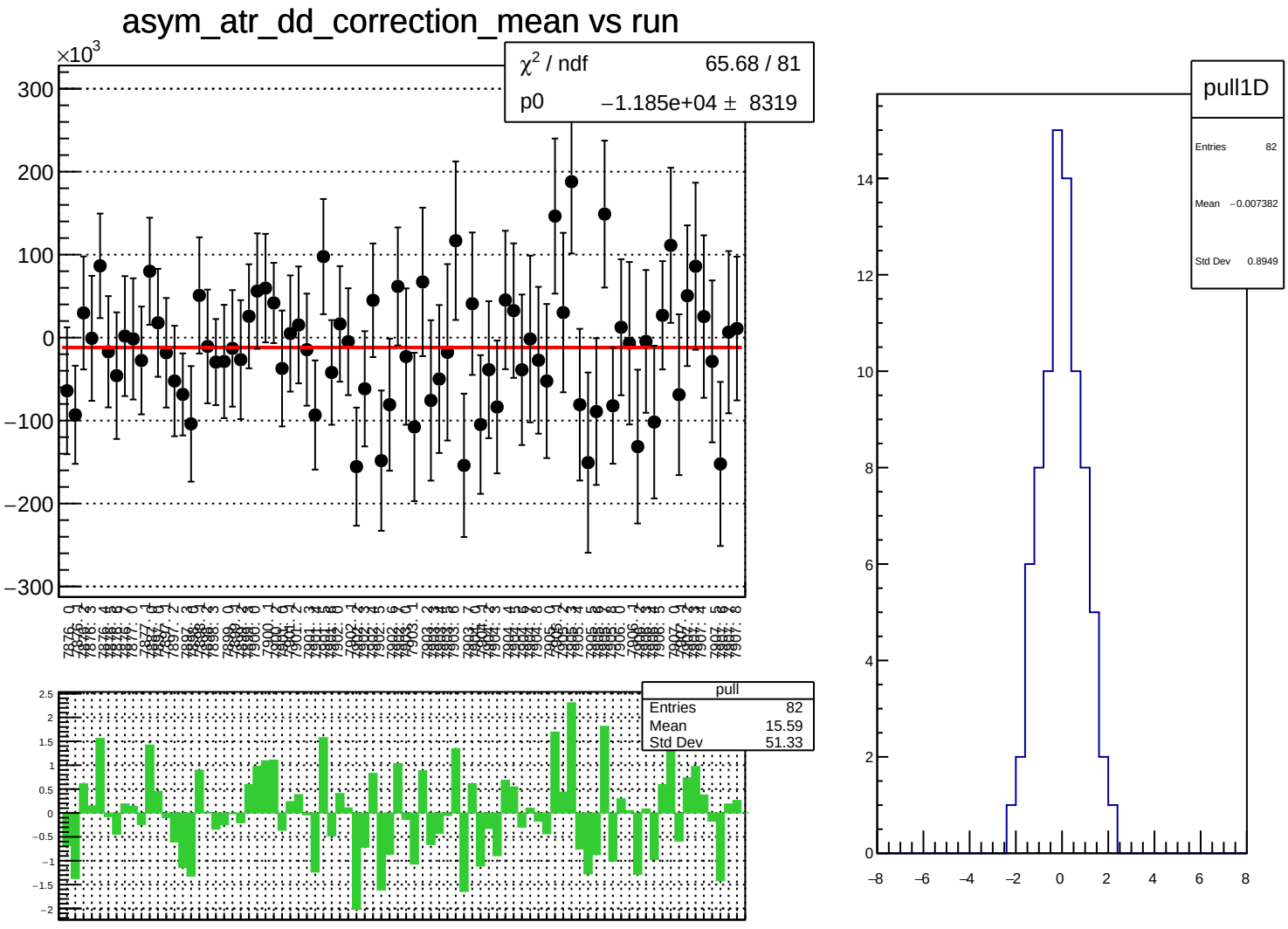


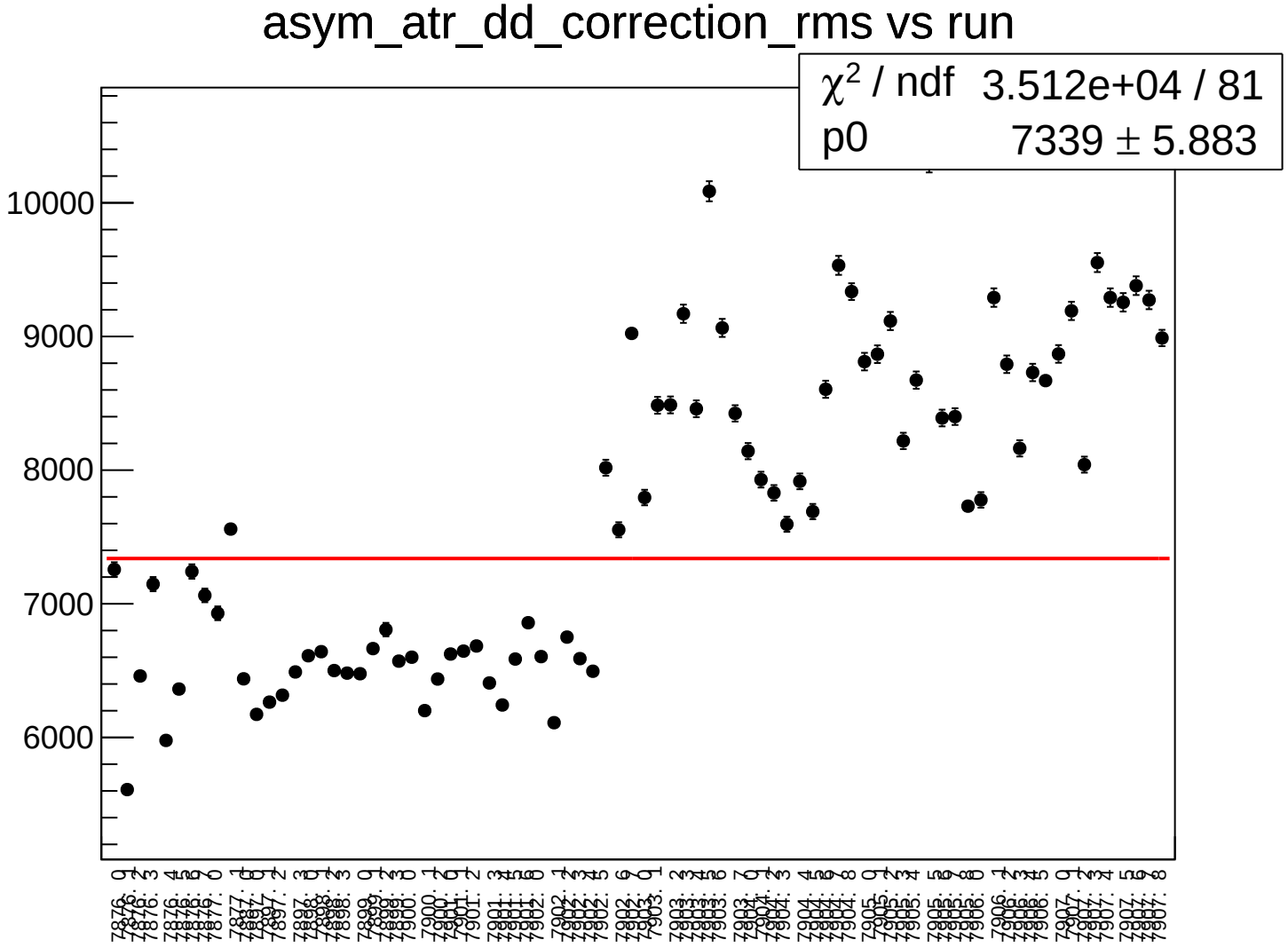

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 70.79 / 81
p0 −131.5 ± 2323
pull
Entries 82
Mean −1084
Std Dev 1139

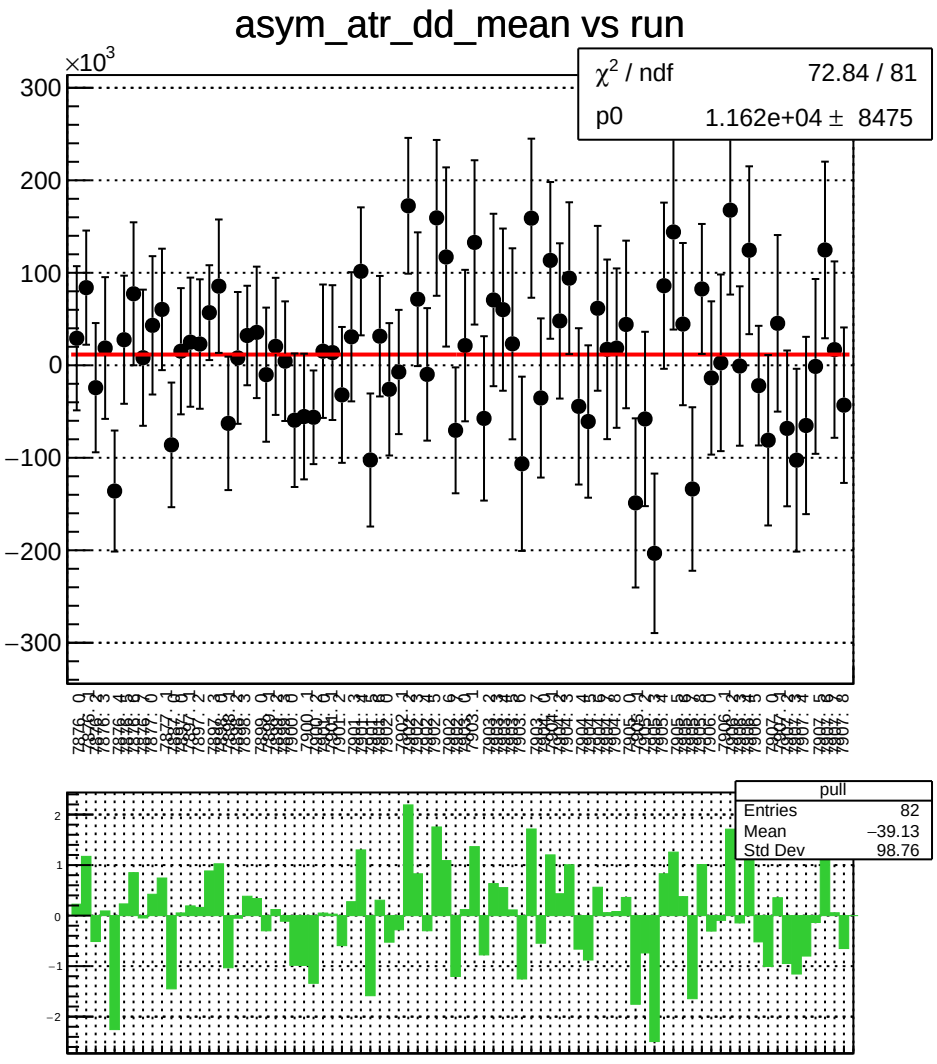

pull1D
Entries 82
Mean 0.002646
Std Dev 0.9292

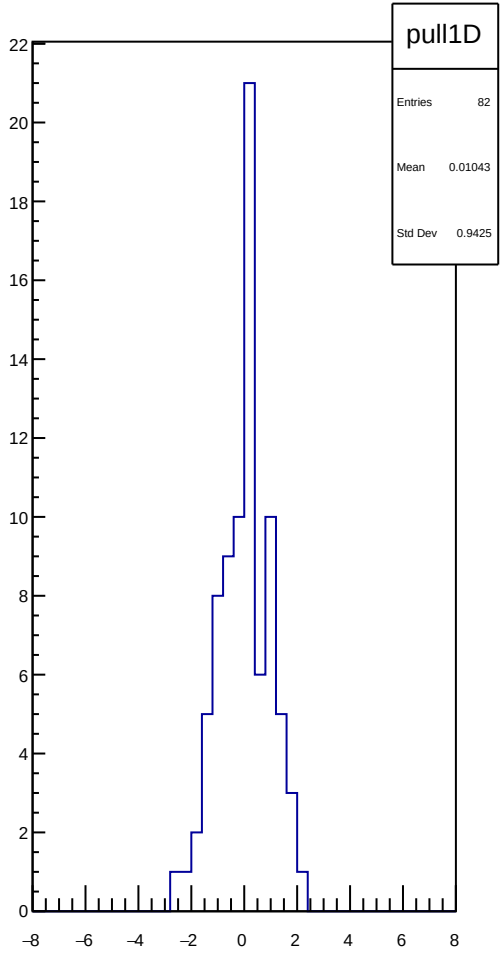
dit_asym_atr_dd_rms vs run



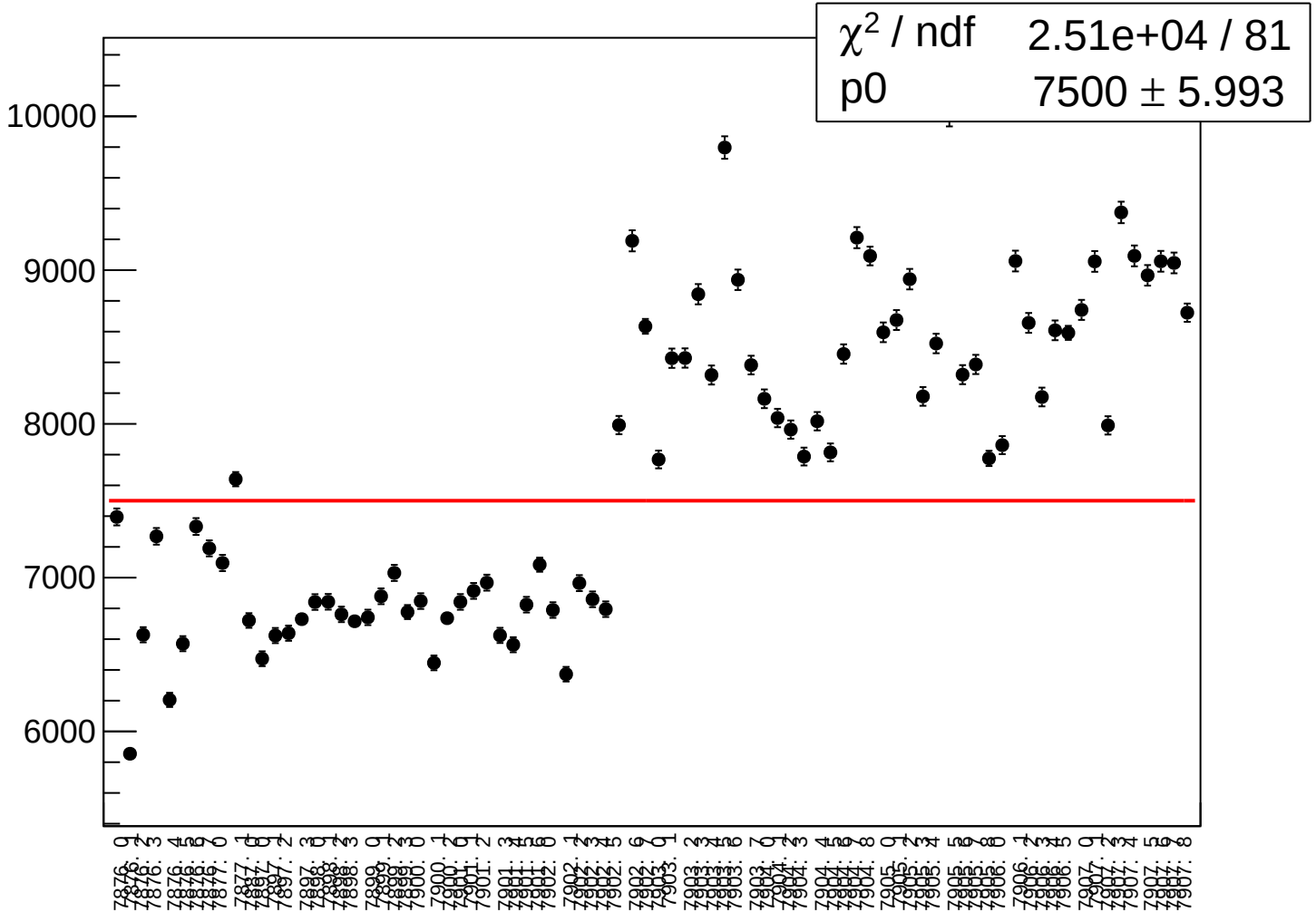

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 65.68 / 81
p0 −1.185e+04 ± 8319
pull
Entries 82
Mean 15.59
Std Dev 51.33
pull1D
Entries 82
Mean −0.007382
Std Dev 0.8949

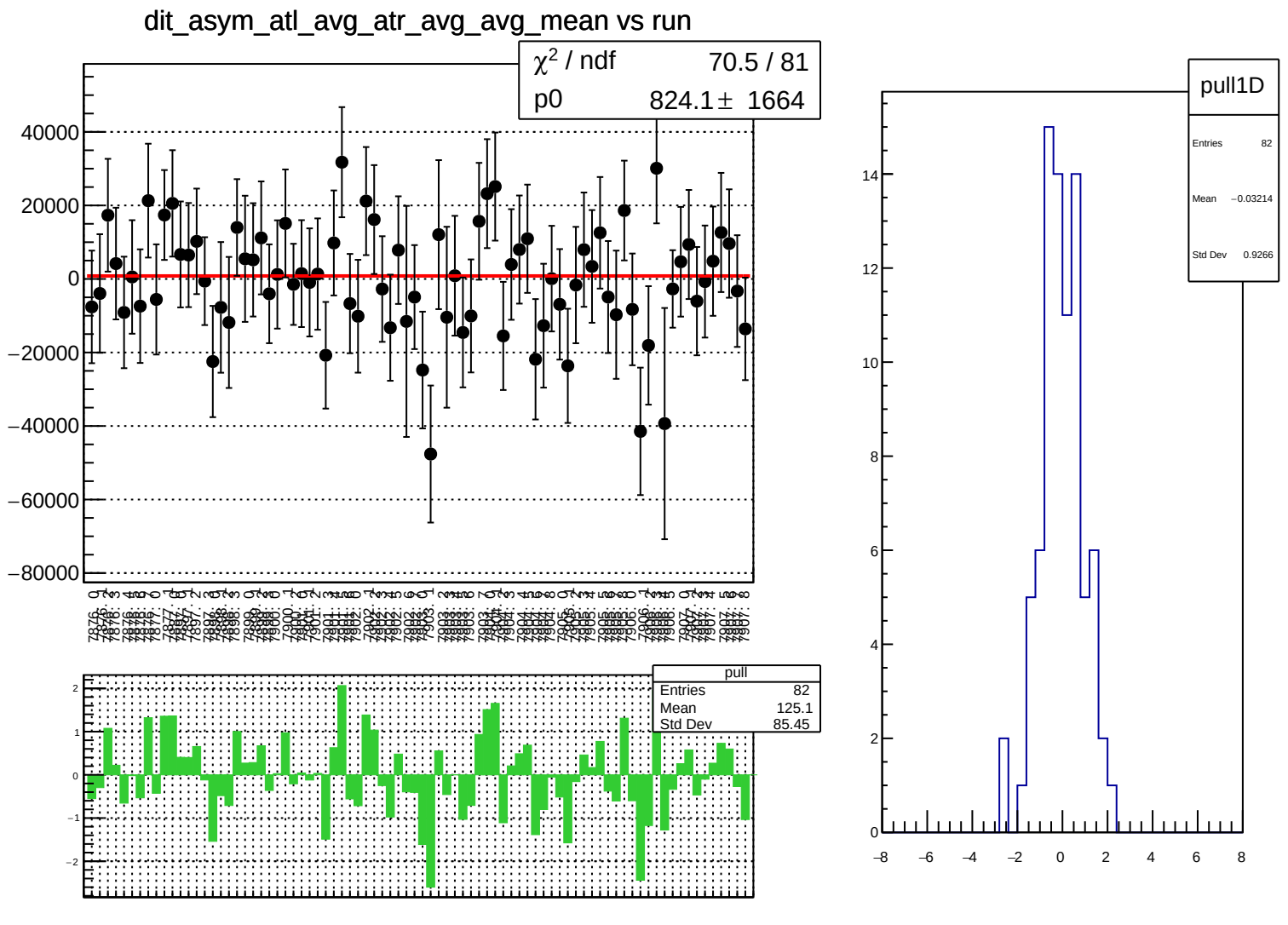

asym_atr_dd_correction_rms vs run
χ^2 / ndf 3.512e+04 / 81
p0 7339 ± 5.883
10000
9000
8000
7000
6000

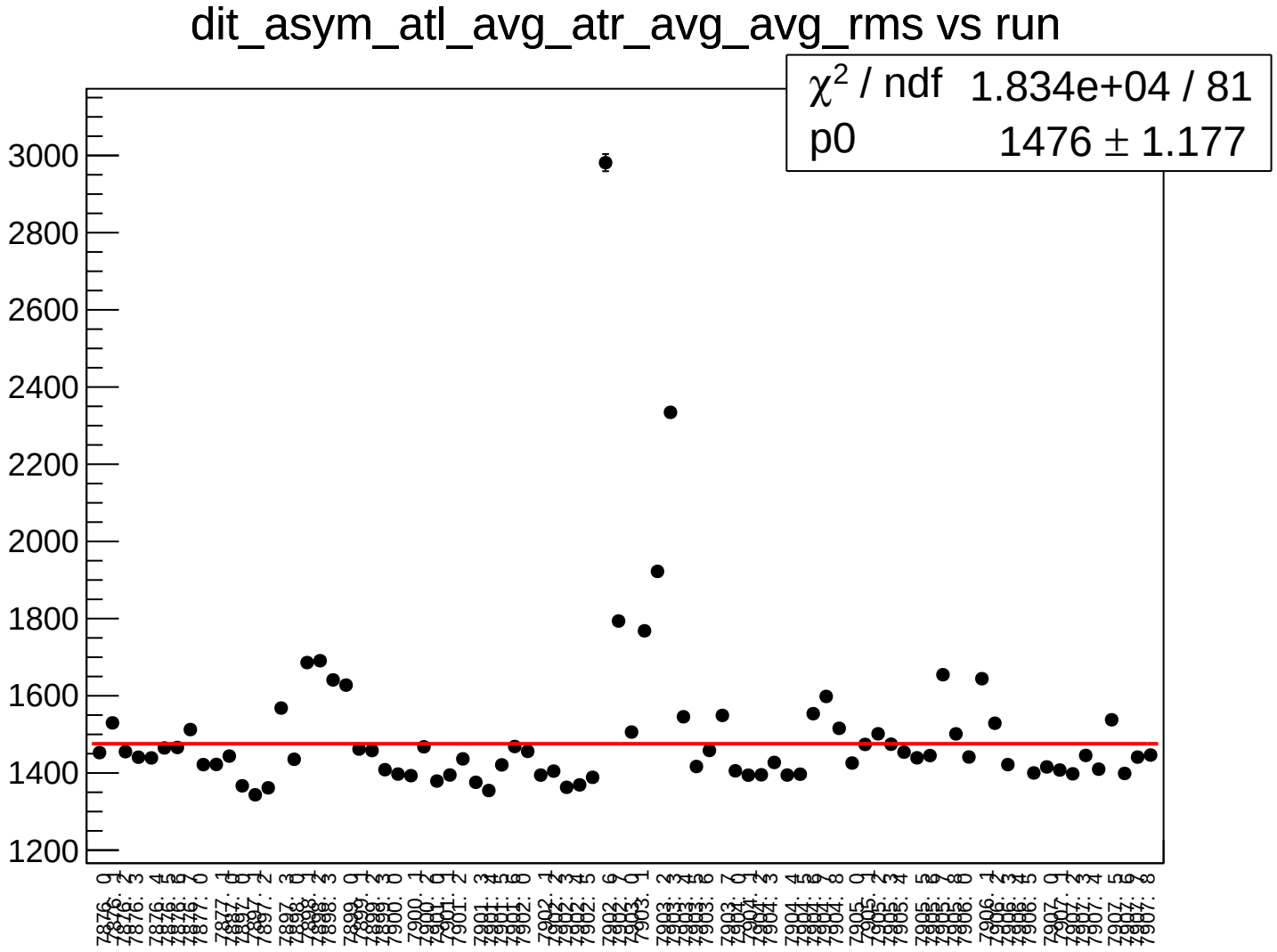

asym_atr_dd_mean vs run
×10^3
χ² / ndf 72.84 / 81
p0 1.162e+04 ± 8475
pull
Entries 82
Mean −39.13
Std Dev 98.76

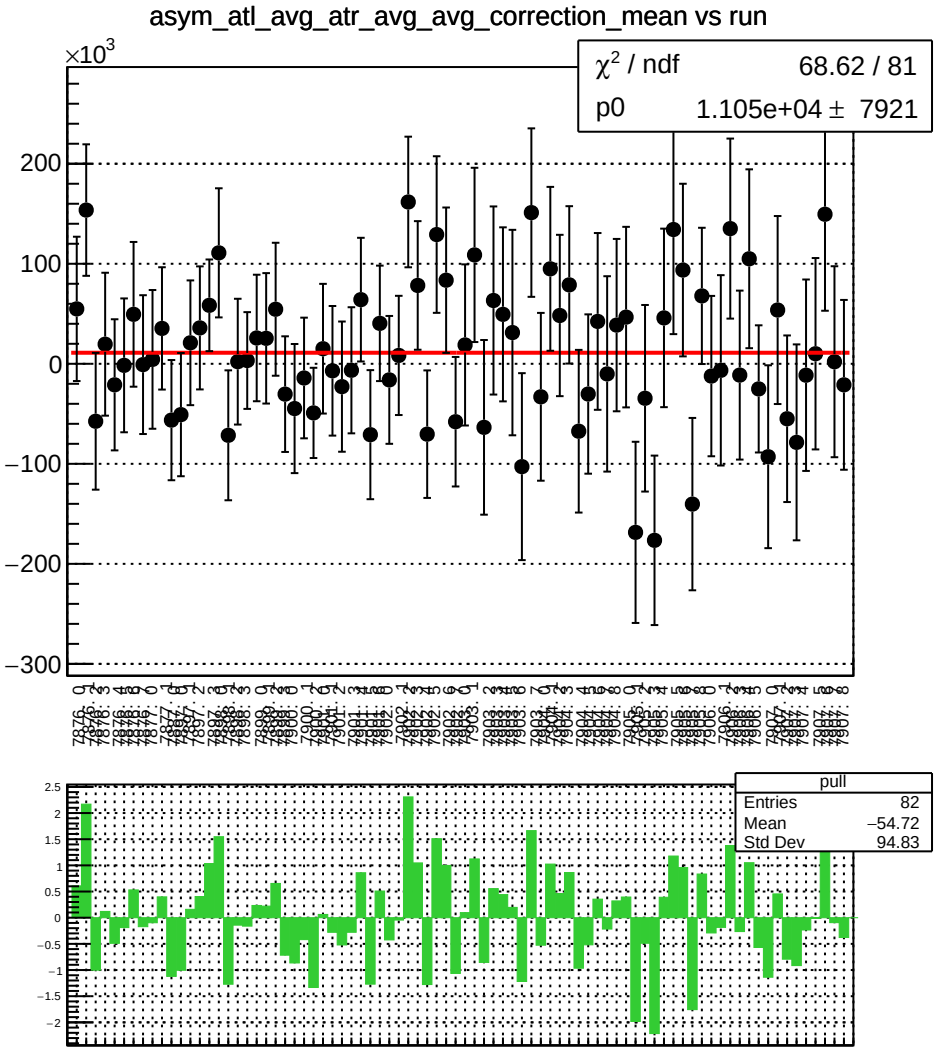

pull1D
Entries 82
Mean 0.01043
Std Dev 0.9425

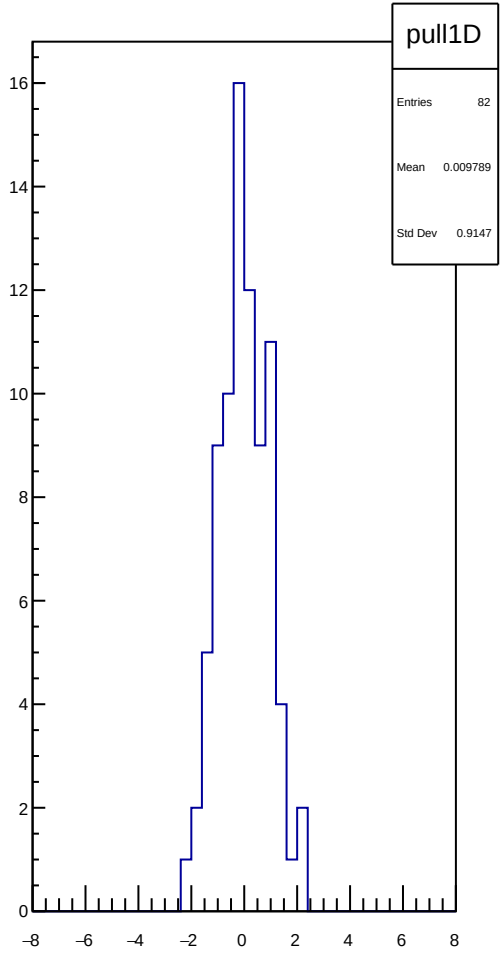
asym_atr_dd_rms vs run

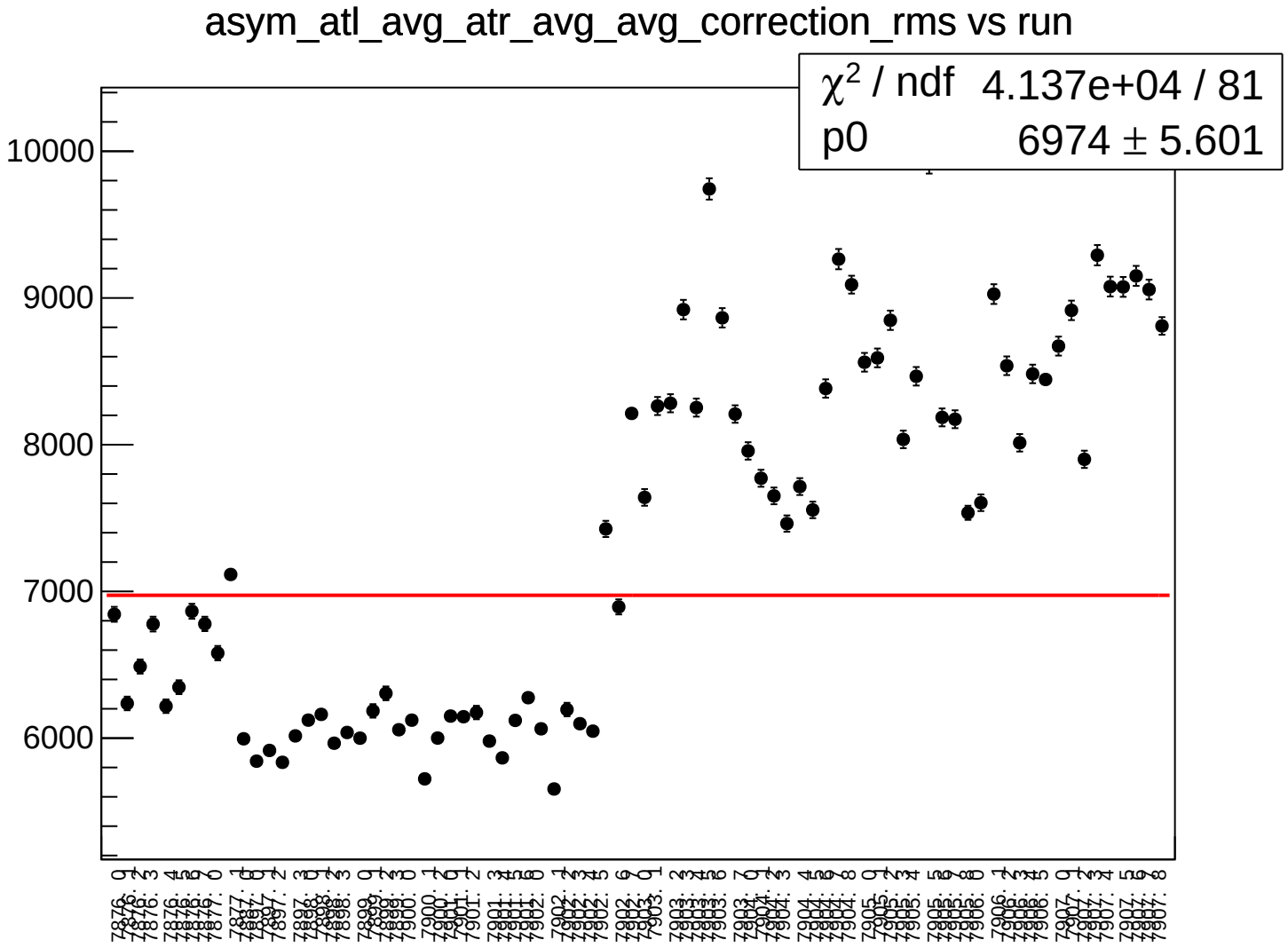


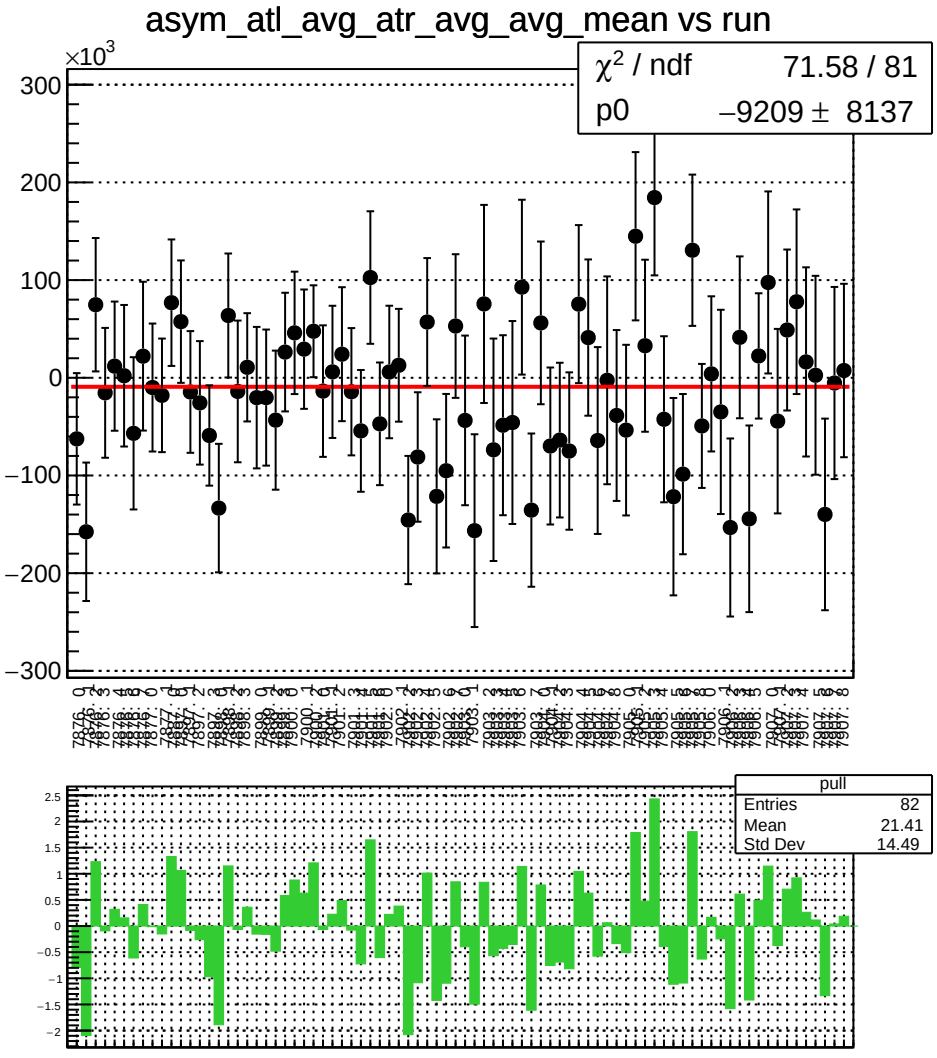

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 70.5 / 81
p0 824.1 ± 1664
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 125.1
Std Dev 85.45
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.03214
Std Dev 0.9266
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

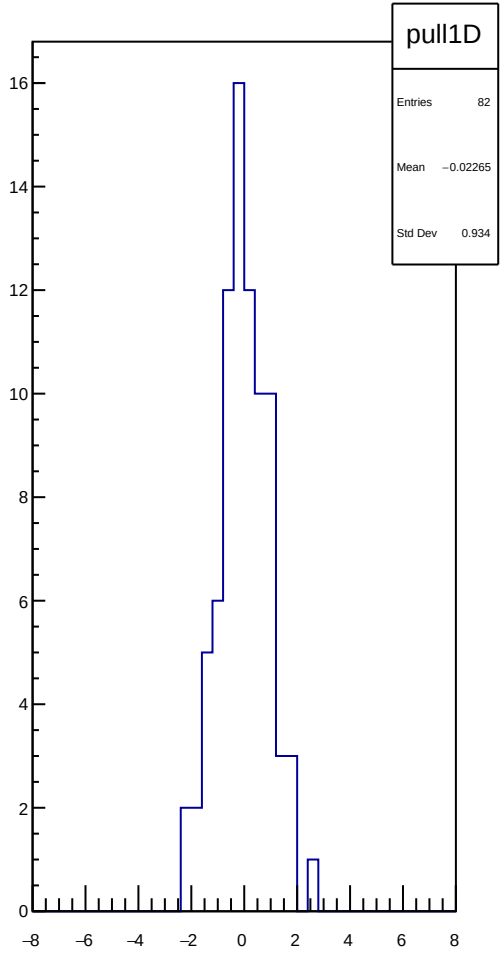

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.834e+04 / 81
p0 1476 ± 1.177
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

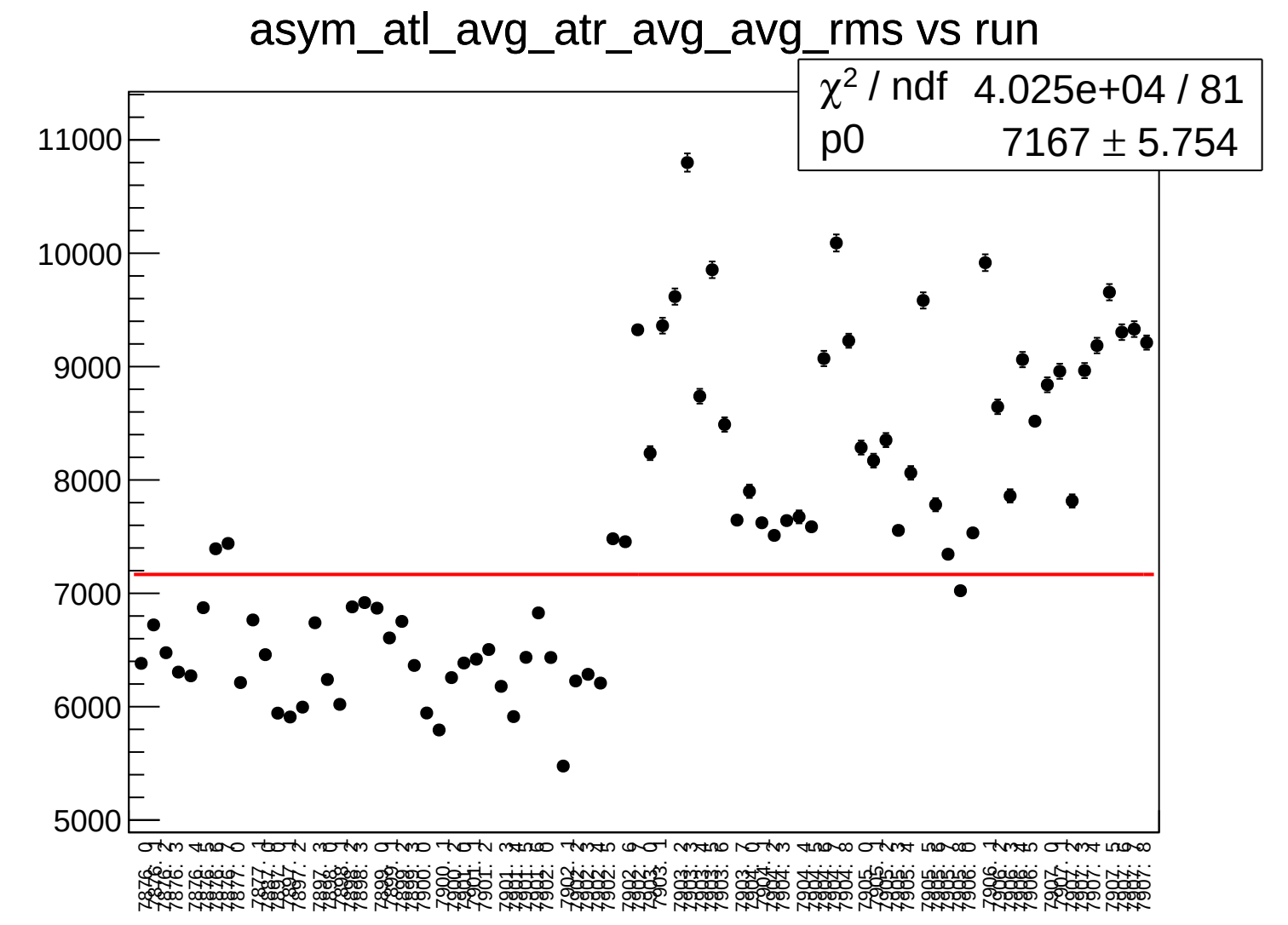

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 68.62 / 81
p0 1.105e+04 ± 7921
pull
Entries 82
Mean −54.72
Std Dev 94.83

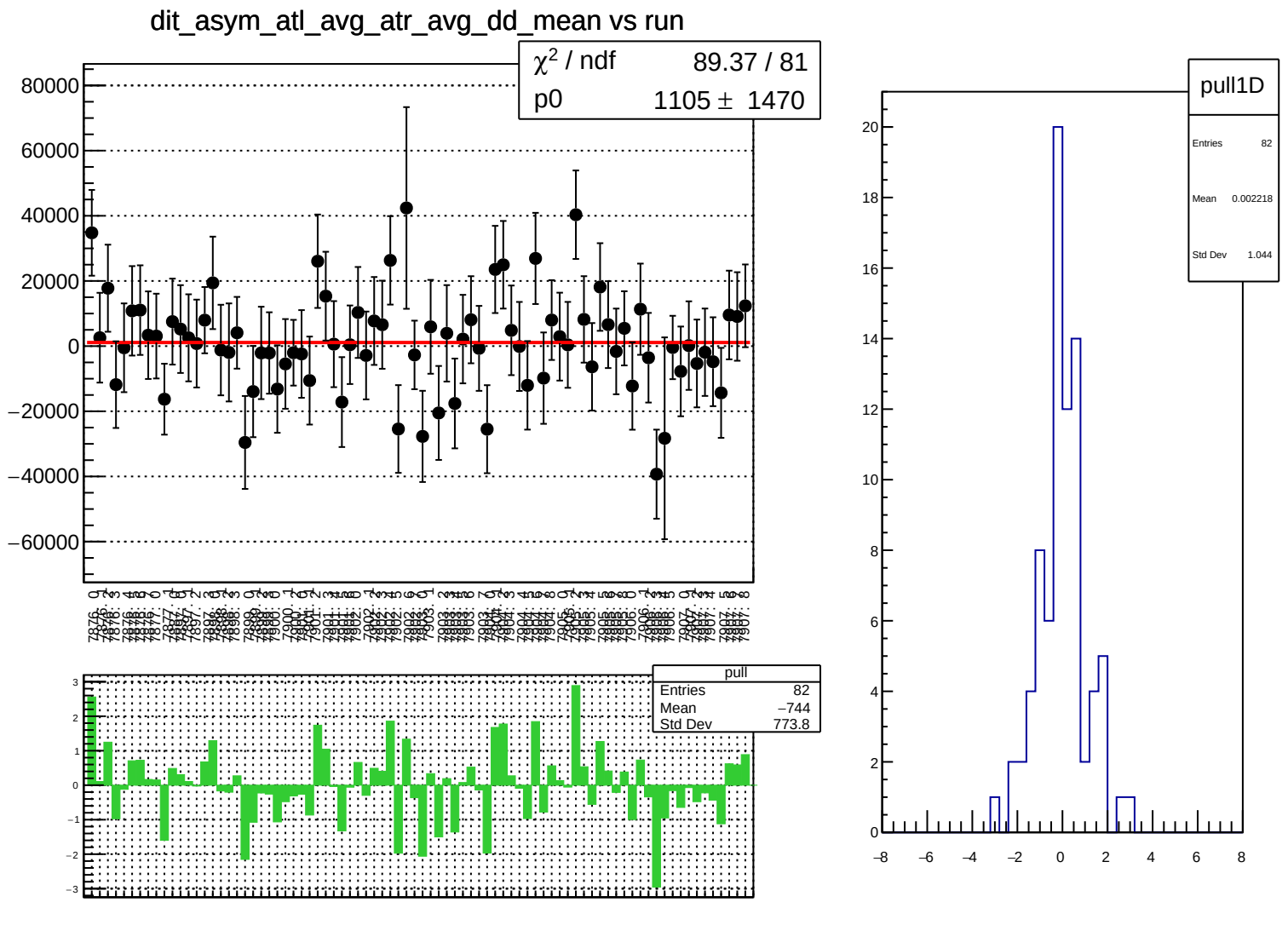

pull1D
Entries 82
Mean 0.009789
Std Dev 0.9147

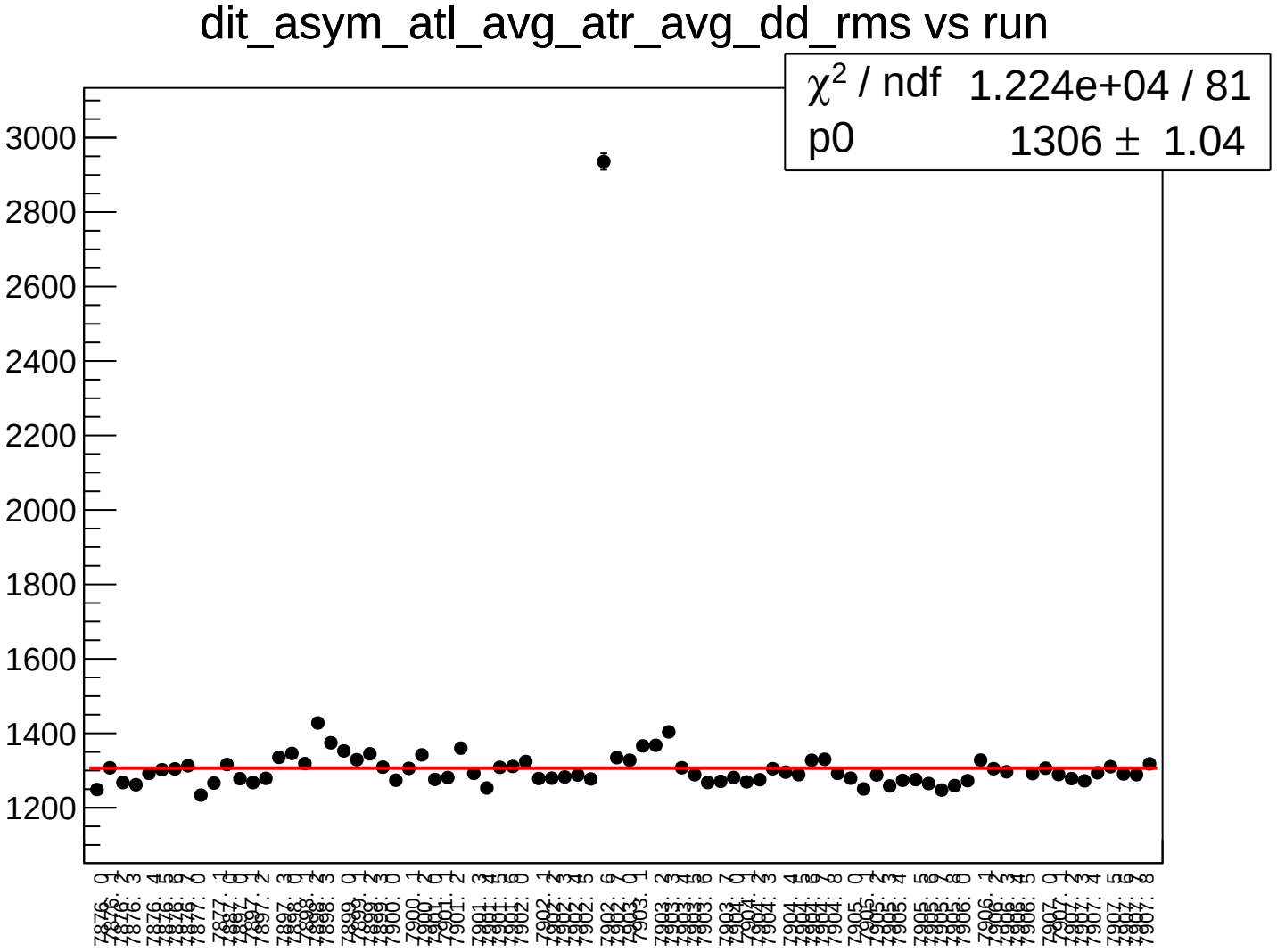

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 4.137e+04 / 81
p0 6974 ± 5.601
10000
9000
8000
7000
6000

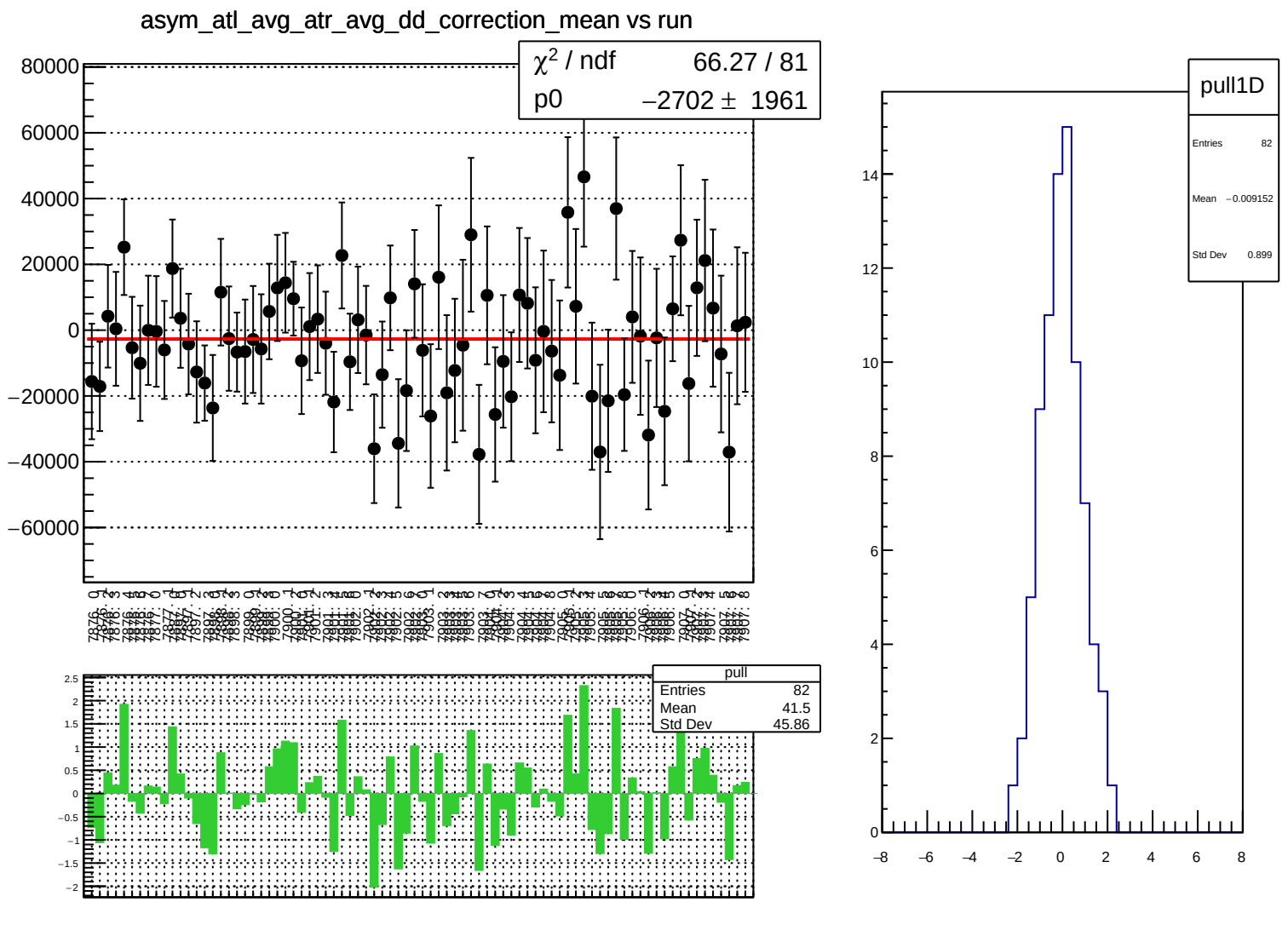

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 71.58 / 81
p0 −9209 ± 8137
pull
Entries 82
Mean 21.41
Std Dev 14.49

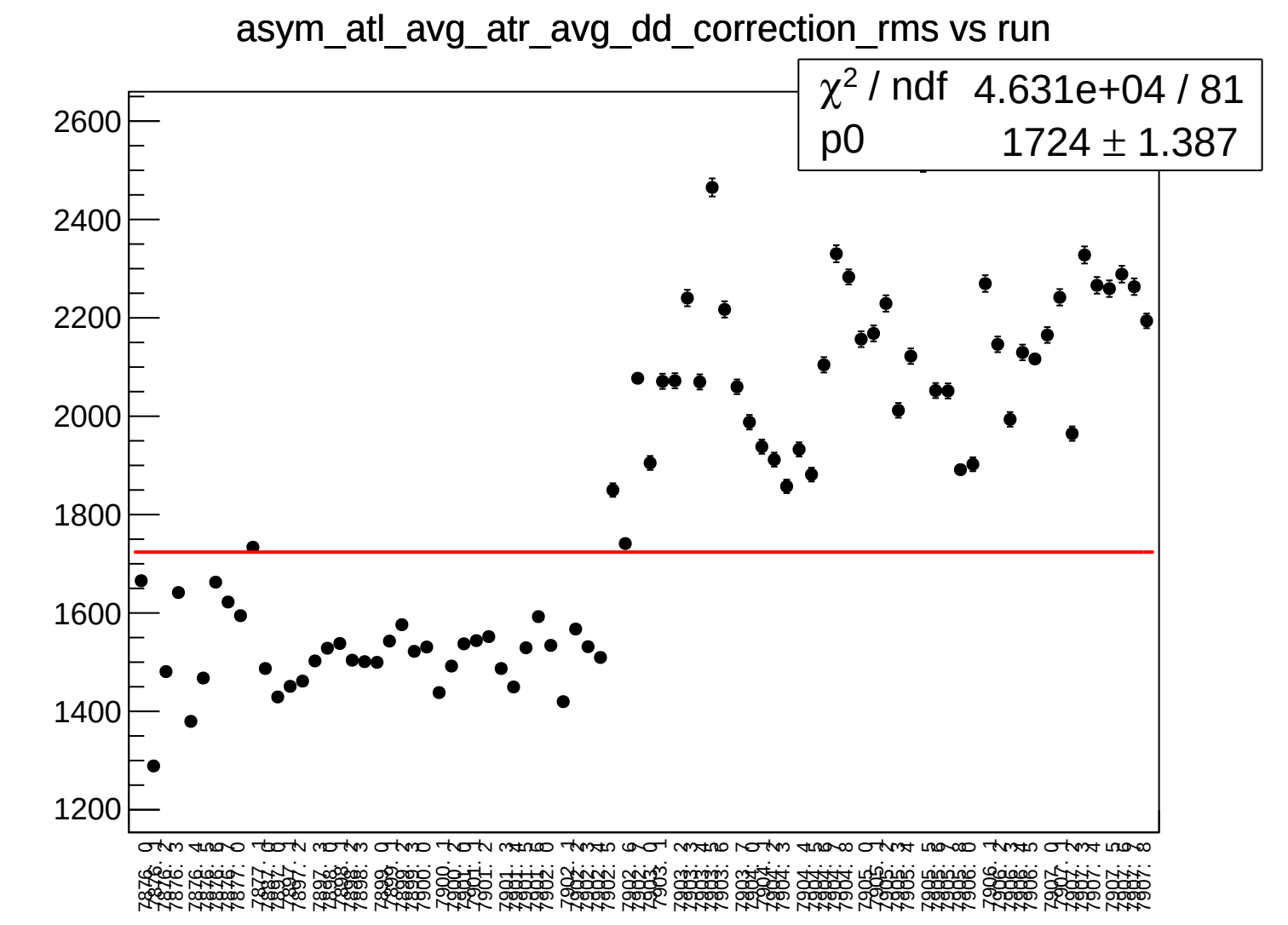

pull1D
Entries 82
Mean −0.02265
Std Dev 0.934

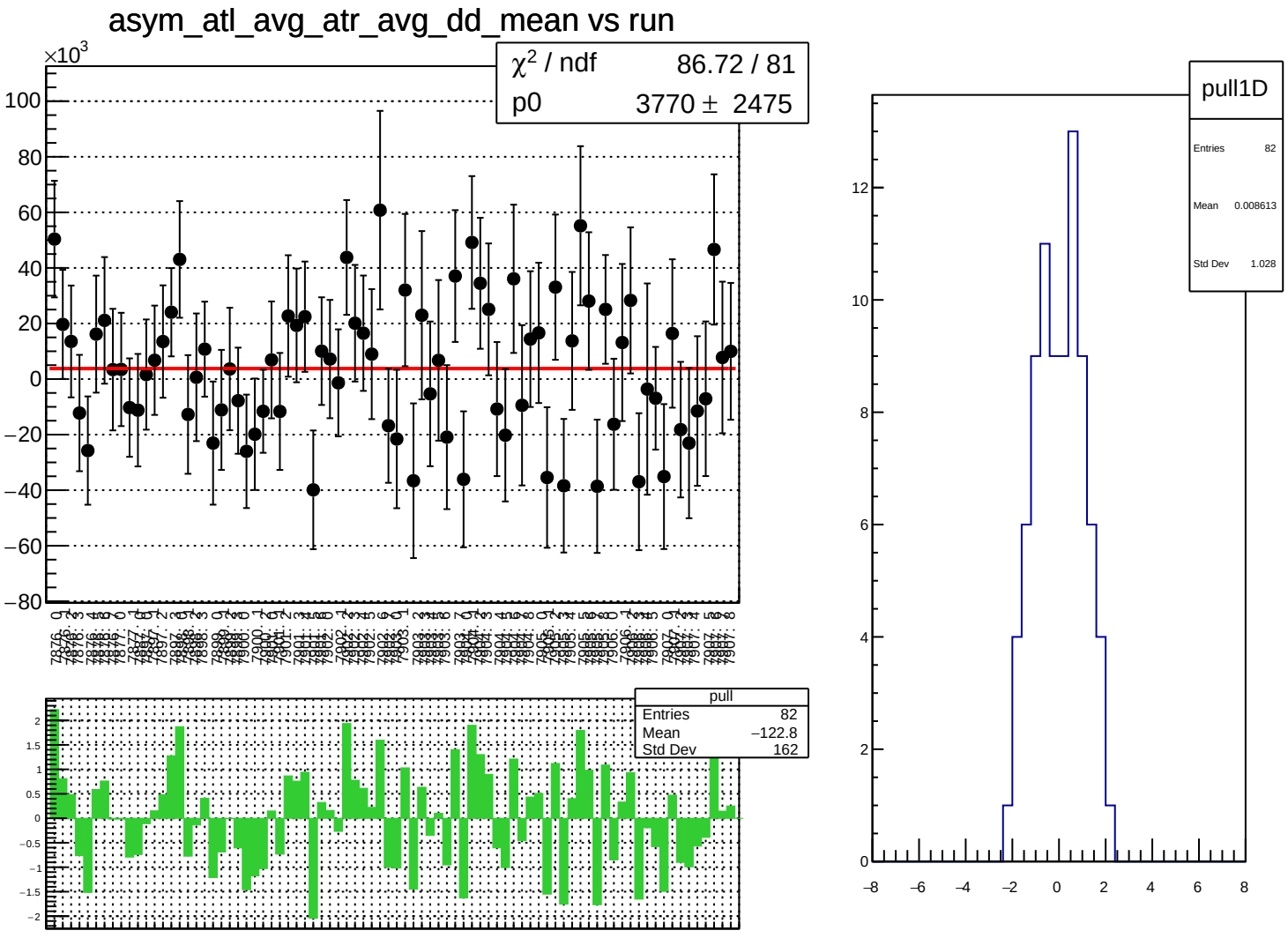

asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 4.025e+04 / 81
p0 7167 ± 5.754
11000
10000
9000
8000
7000
6000
5000

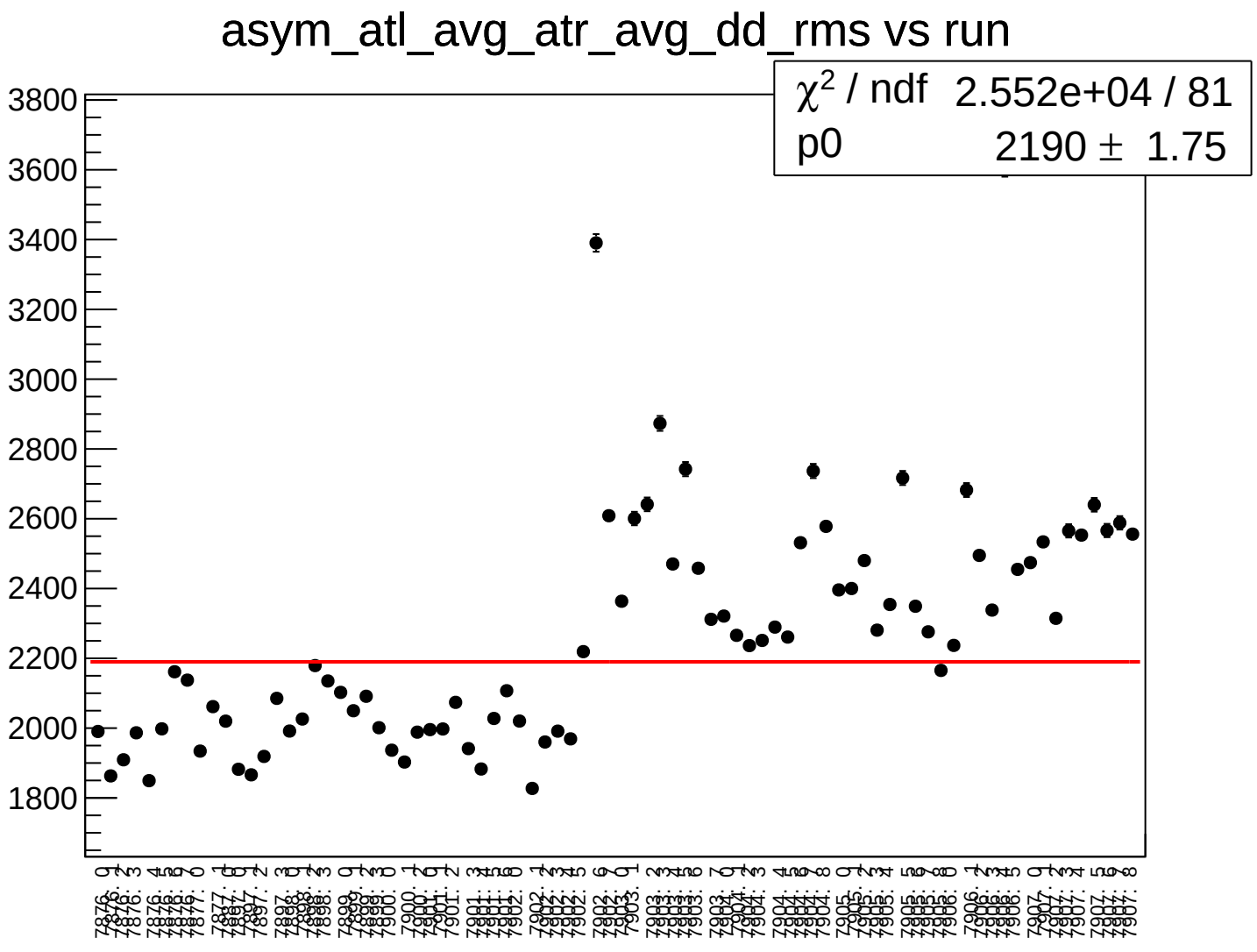

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 89.37 / 81
p0 1105 ± 1470
pull
Entries 82
Mean −744
Std Dev 773.8
pull1D
Entries 82
Mean 0.002218
Std Dev 1.044

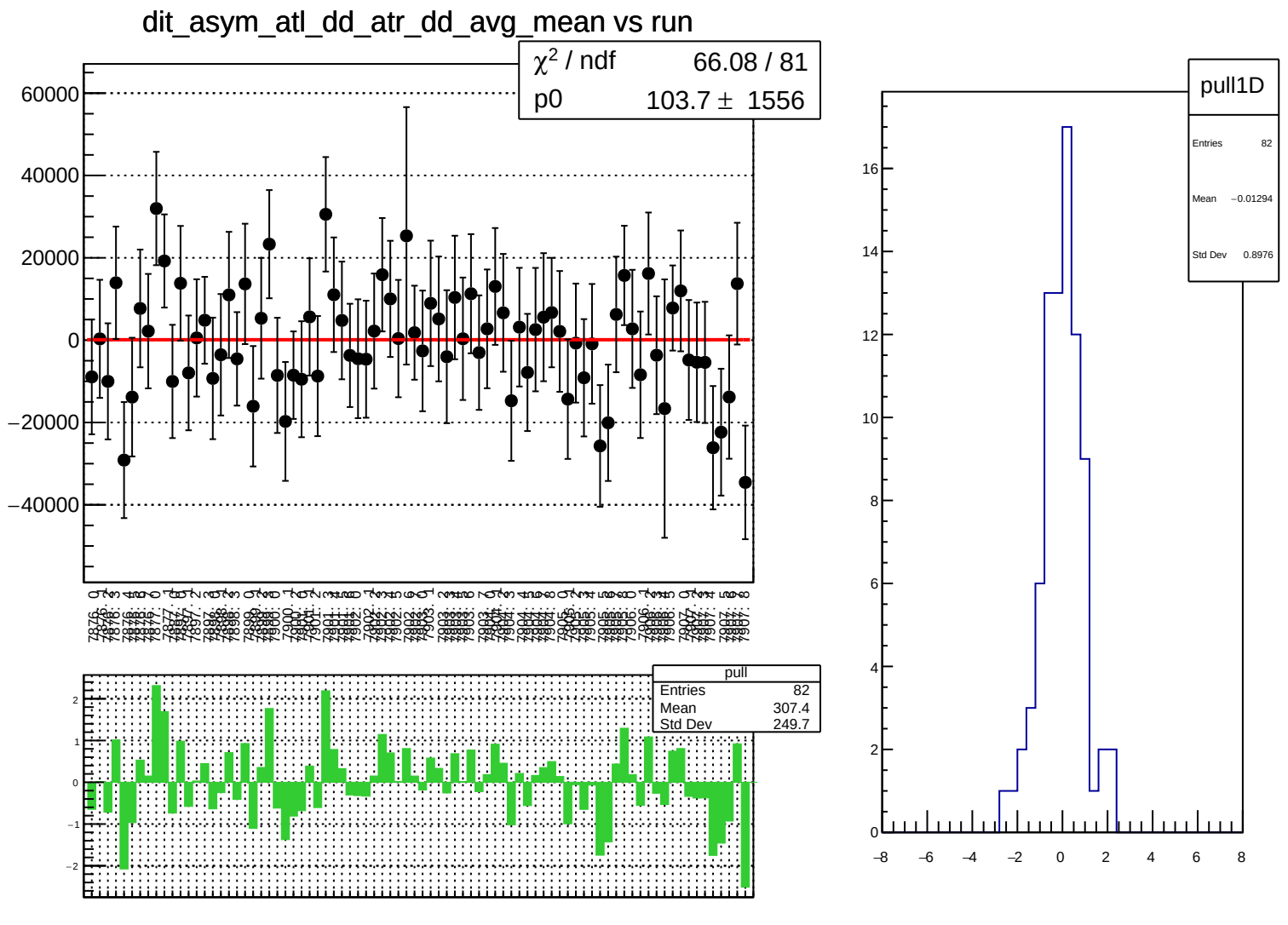

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 1.224e+04 / 81
p0 1306 ± 1.04
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200


asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 66.27 / 81
p0 −2702 ± 1961
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 41.5
Std Dev 45.86
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.009152
Std Dev 0.899
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

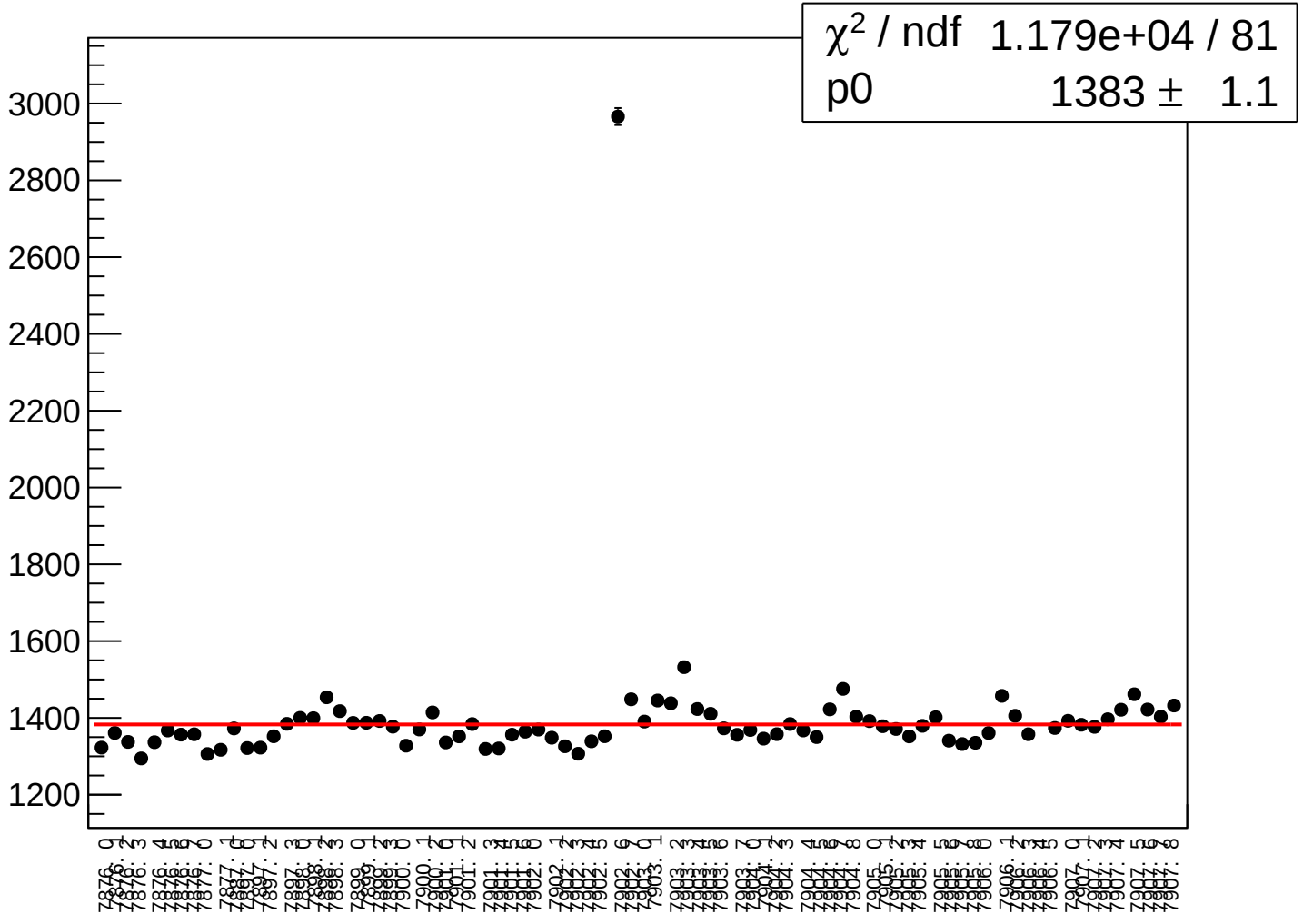

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4.631e+04 / 81
p0 1724 ± 1.387
2600
2400
2200
2000
1800
1600
1400
1200

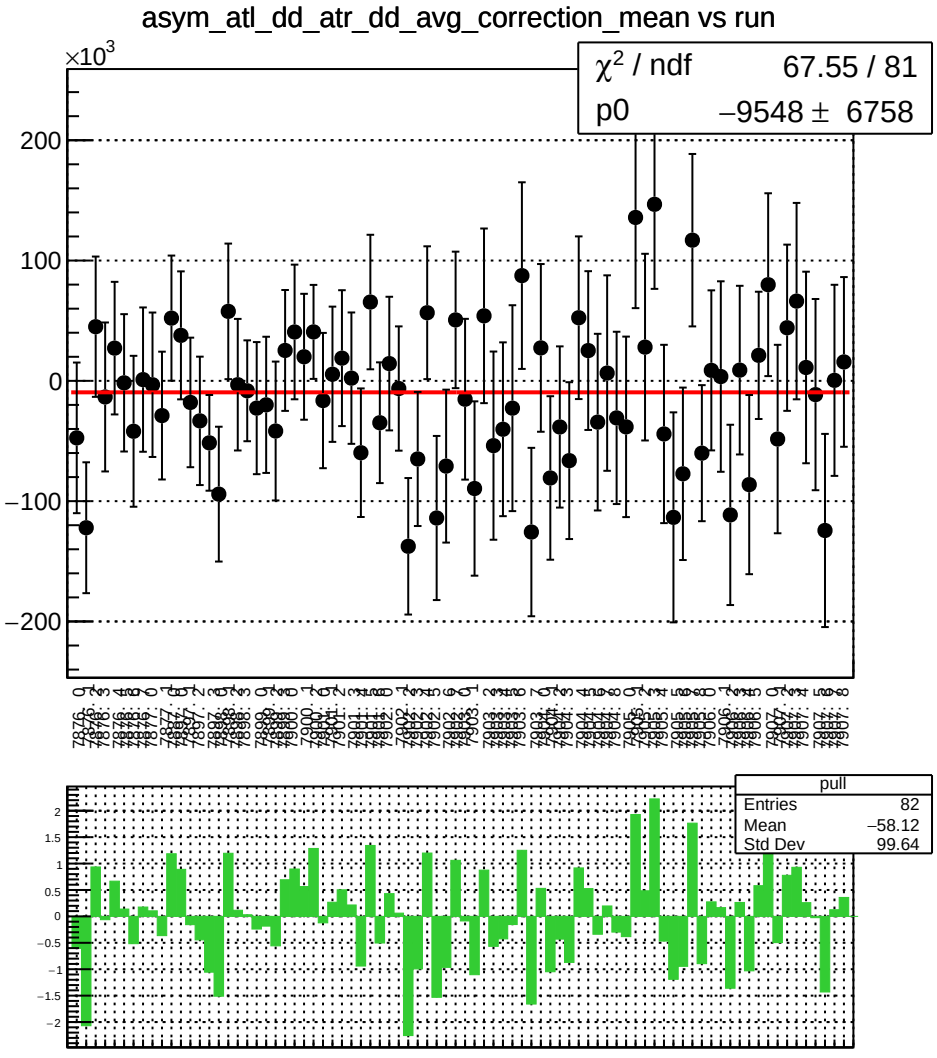

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 86.72 / 81
p0 3770 ± 2475
pull
Entries 82
Mean −122.8
Std Dev 162
pull1D
Entries 82
Mean 0.008613
Std Dev 1.028

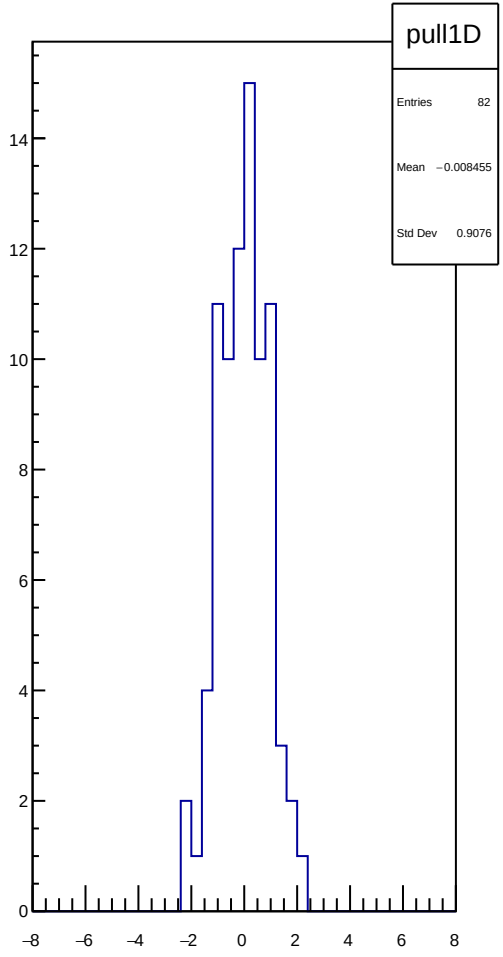

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.552e+04 / 81
p0 2190 ± 1.75
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

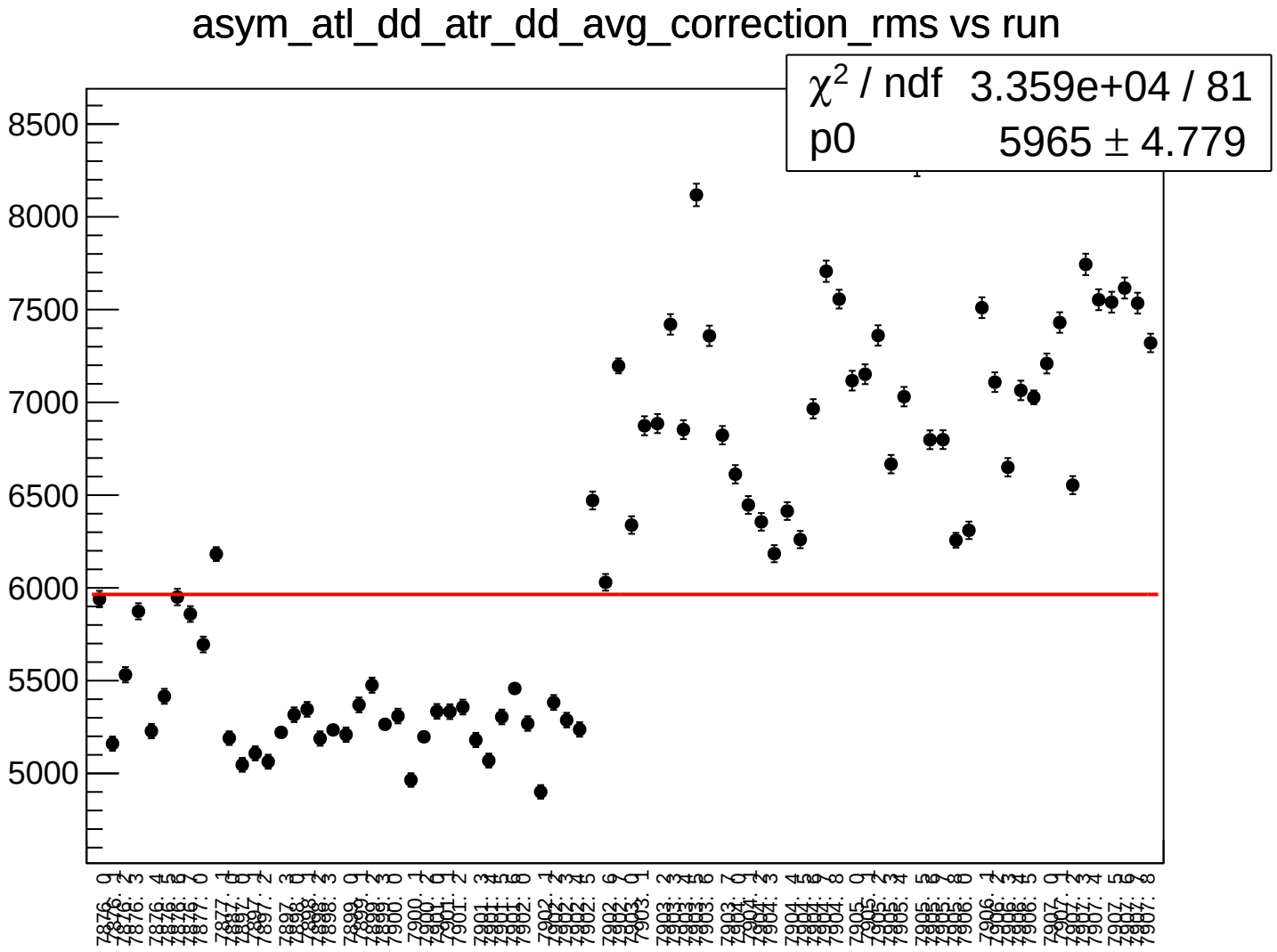

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 66.08 / 81
p0 103.7 ± 1556
pull
Entries 82
Mean 307.4
Std Dev 249.7
pull1D
Entries 82
Mean −0.01294
Std Dev 0.8976

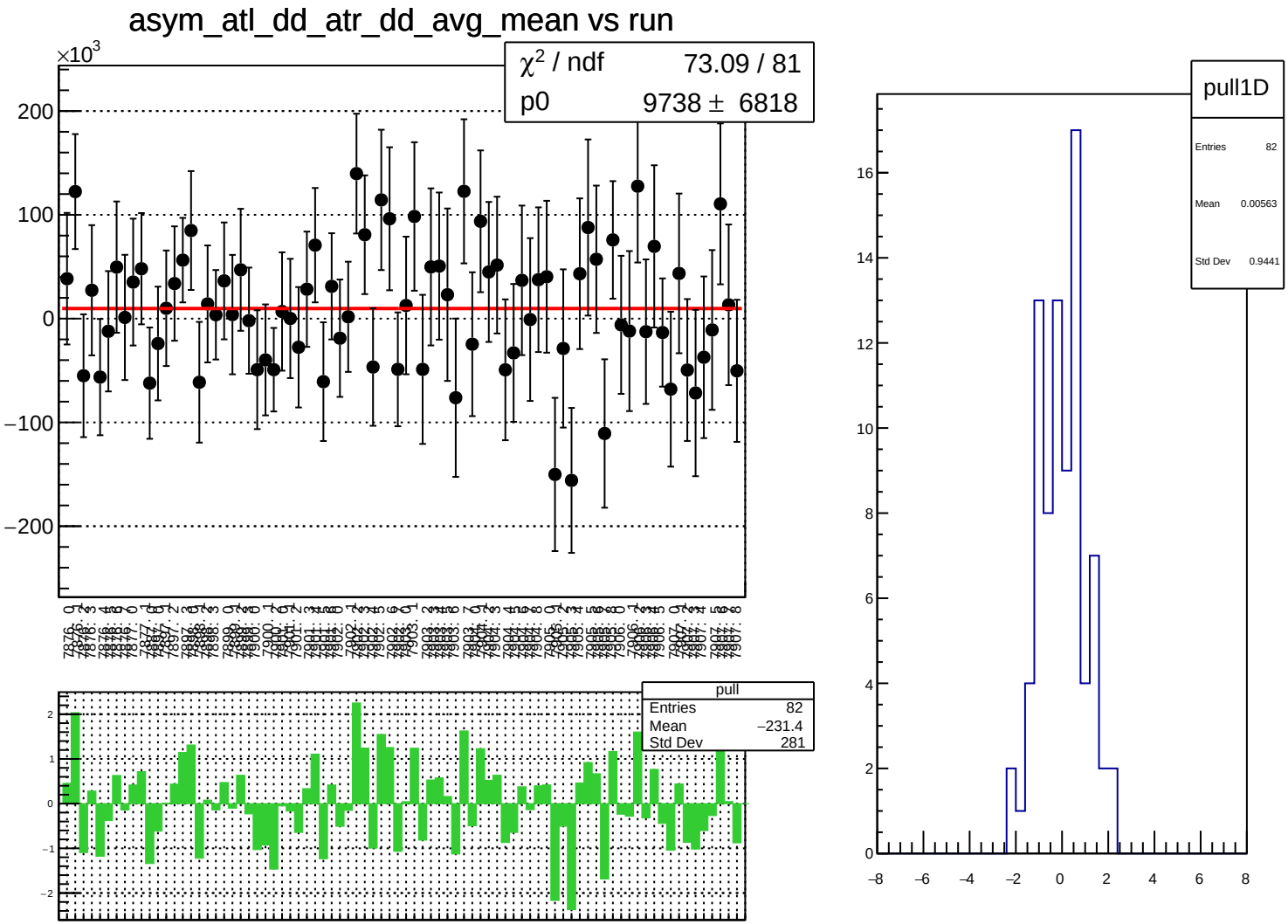
dit_asym_atl_dd_atr_dd_avg_rms vs run



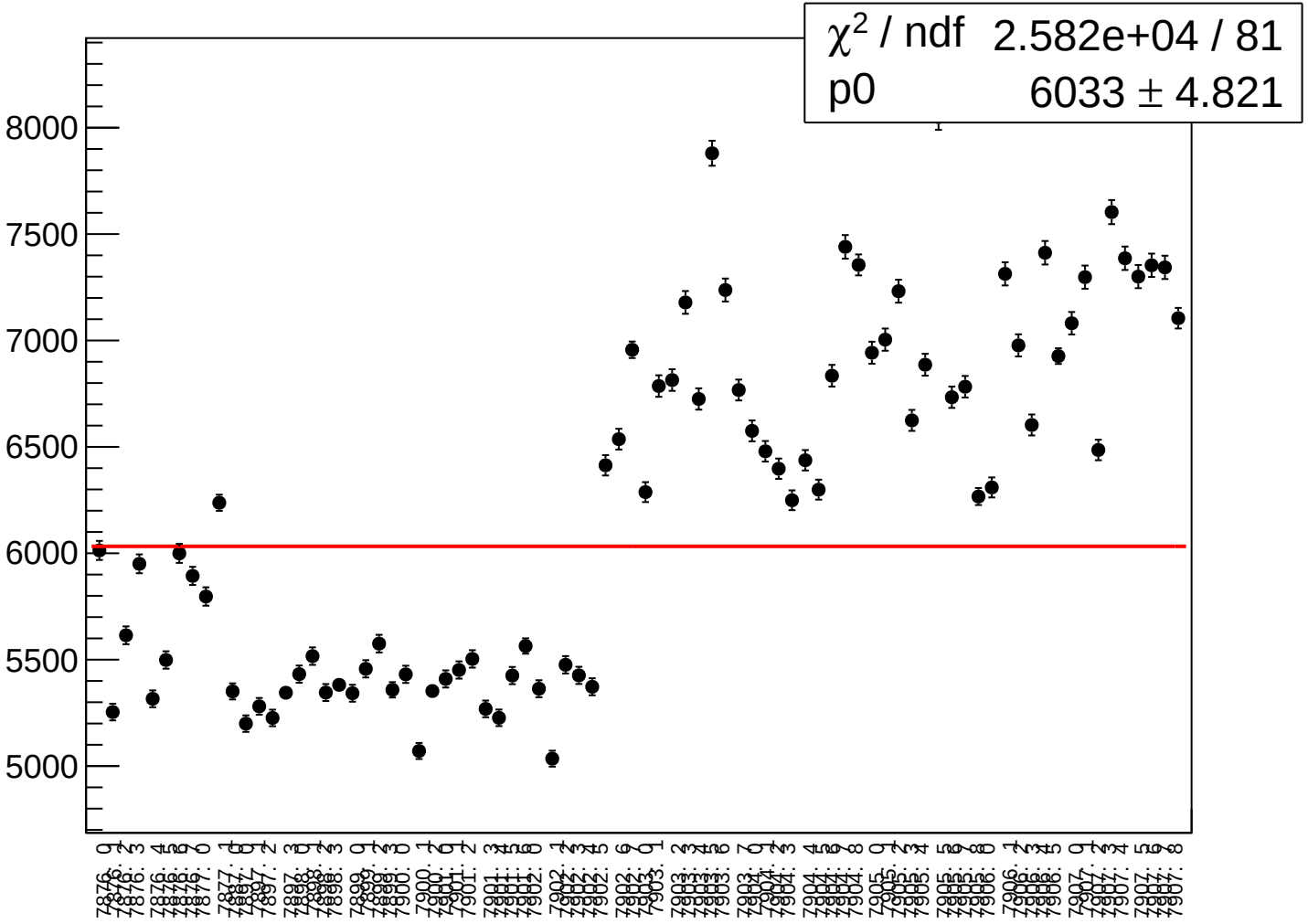

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 67.55 / 81
p0 −9548 ± 6758
pull
Entries 82
Mean −58.12
Std Dev 99.64

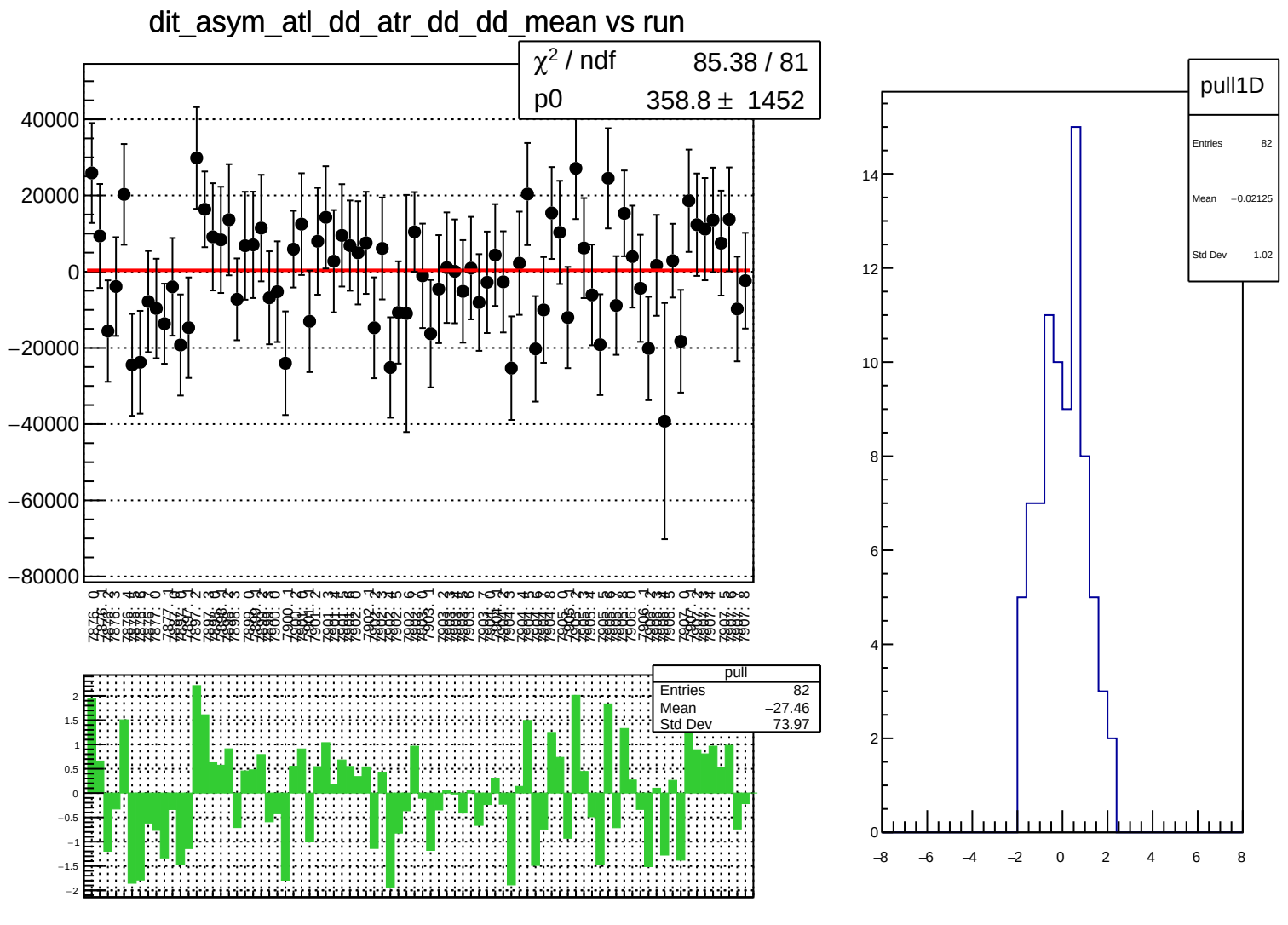

pull1D
Entries 82
Mean −0.008455
Std Dev 0.9076


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.359e+04 / 81
p0 5965 ± 4.779
8500
8000
7500
7000
6500
6000
5500
5000

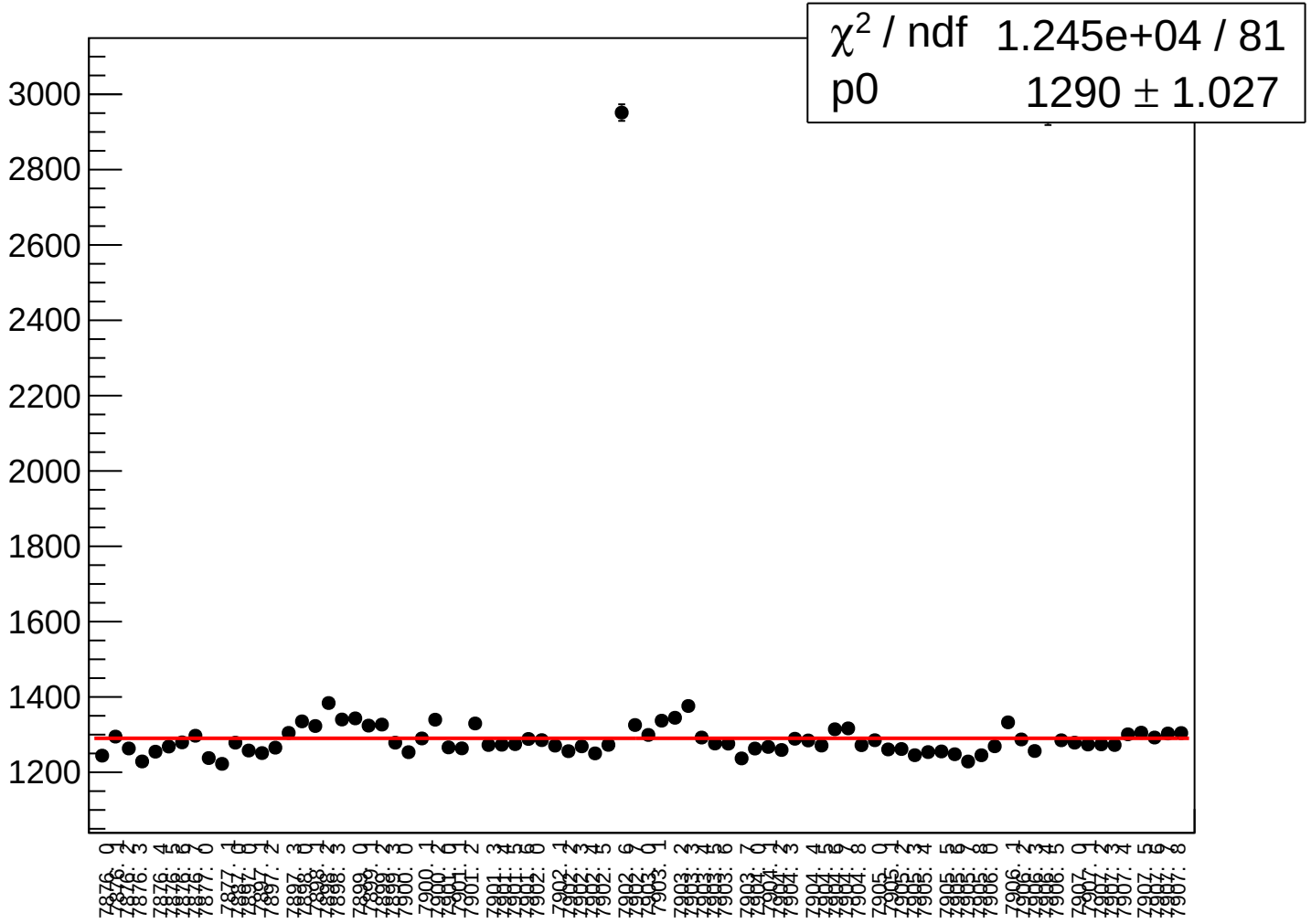

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 73.09 / 81
p0 9738 ± 6818
pull
Entries 82
Mean −231.4
Std Dev 281
pull1D
Entries 82
Mean 0.00563
Std Dev 0.9441

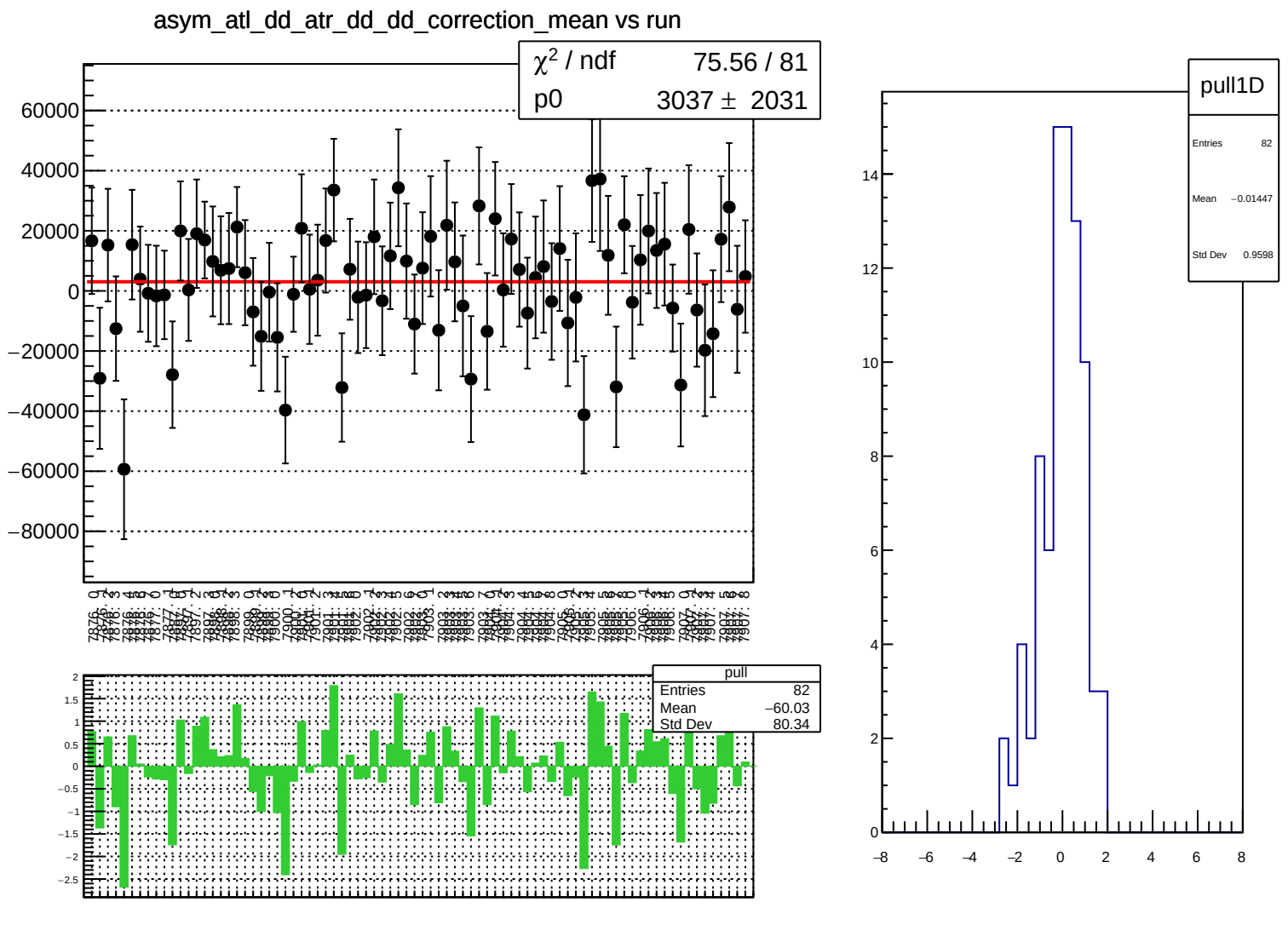
asym_atl_dd_atr_dd_avg_rms vs run

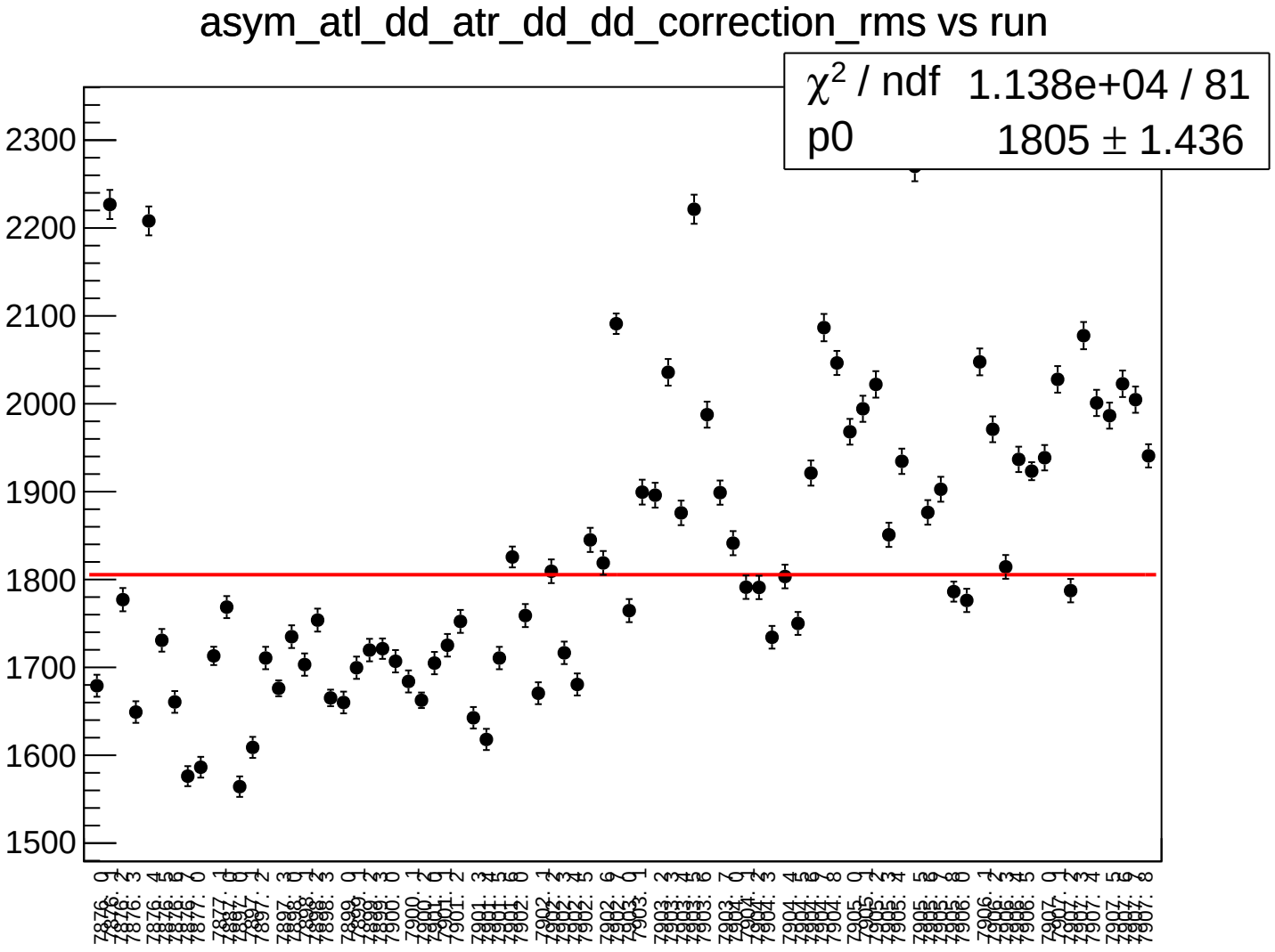


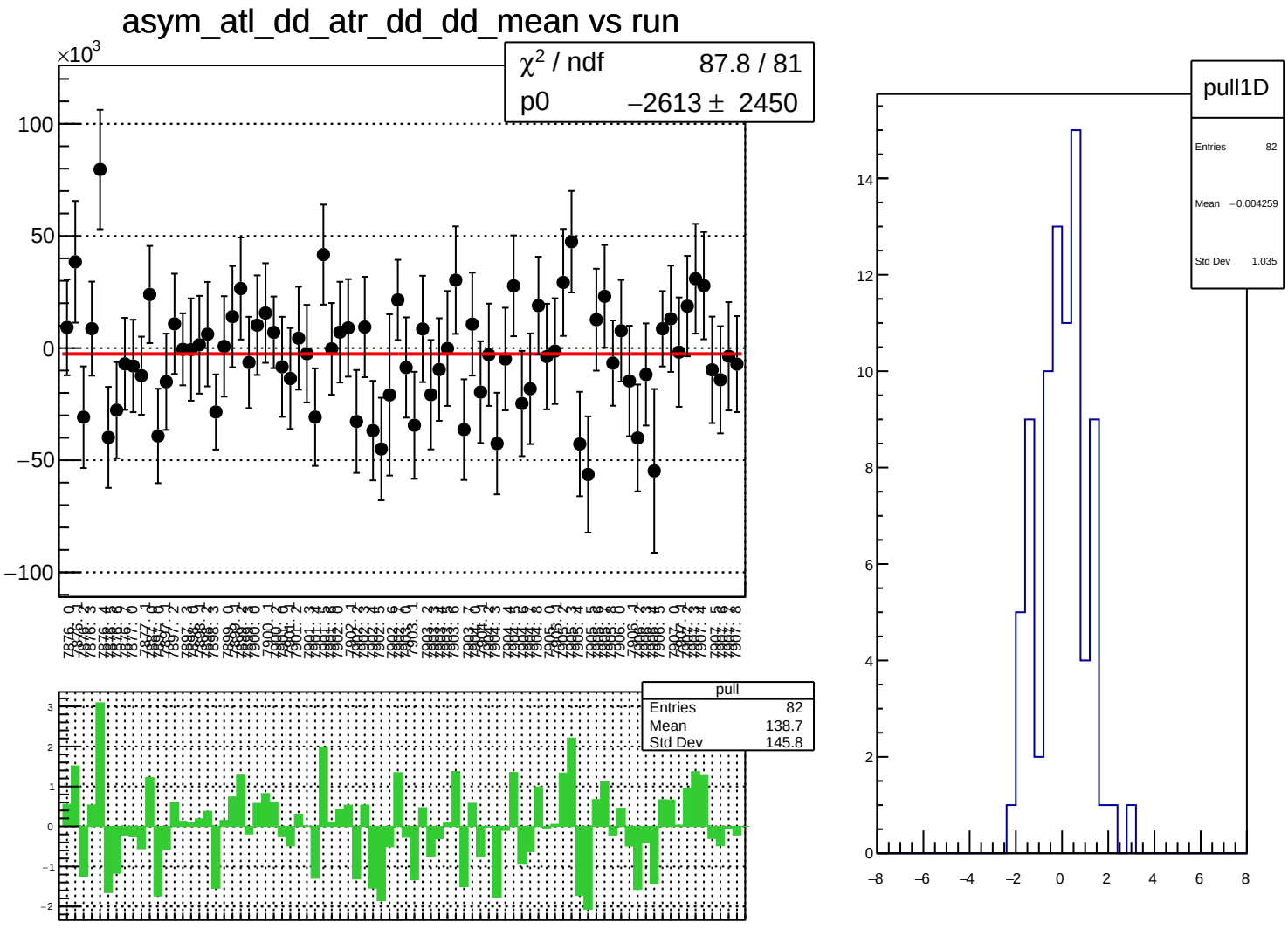

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 85.38 / 81
p0 358.8 ± 1452
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −27.46
Std Dev 73.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.02125
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

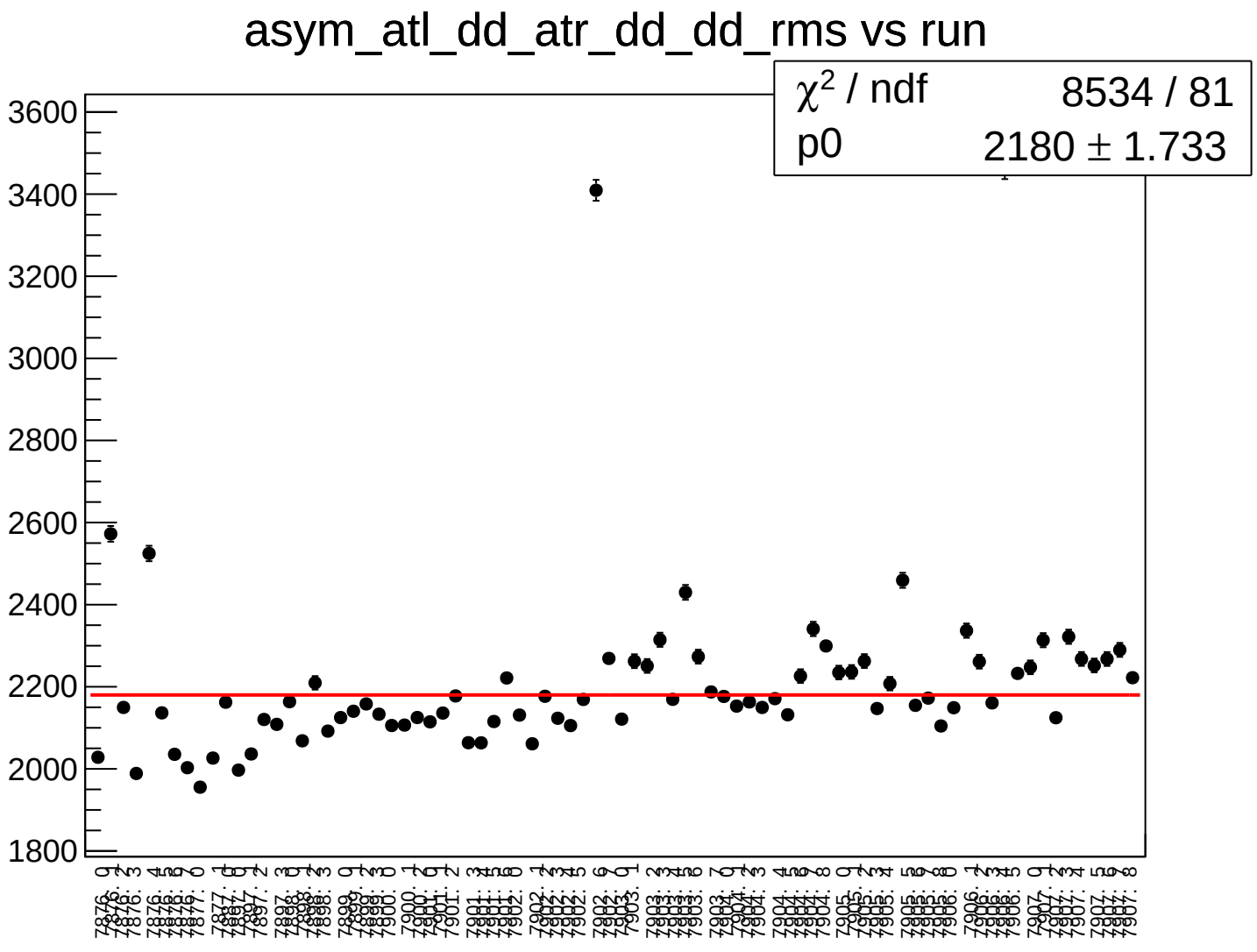
dit_asym_atl_dd_atr_dd_dd_rms vs run

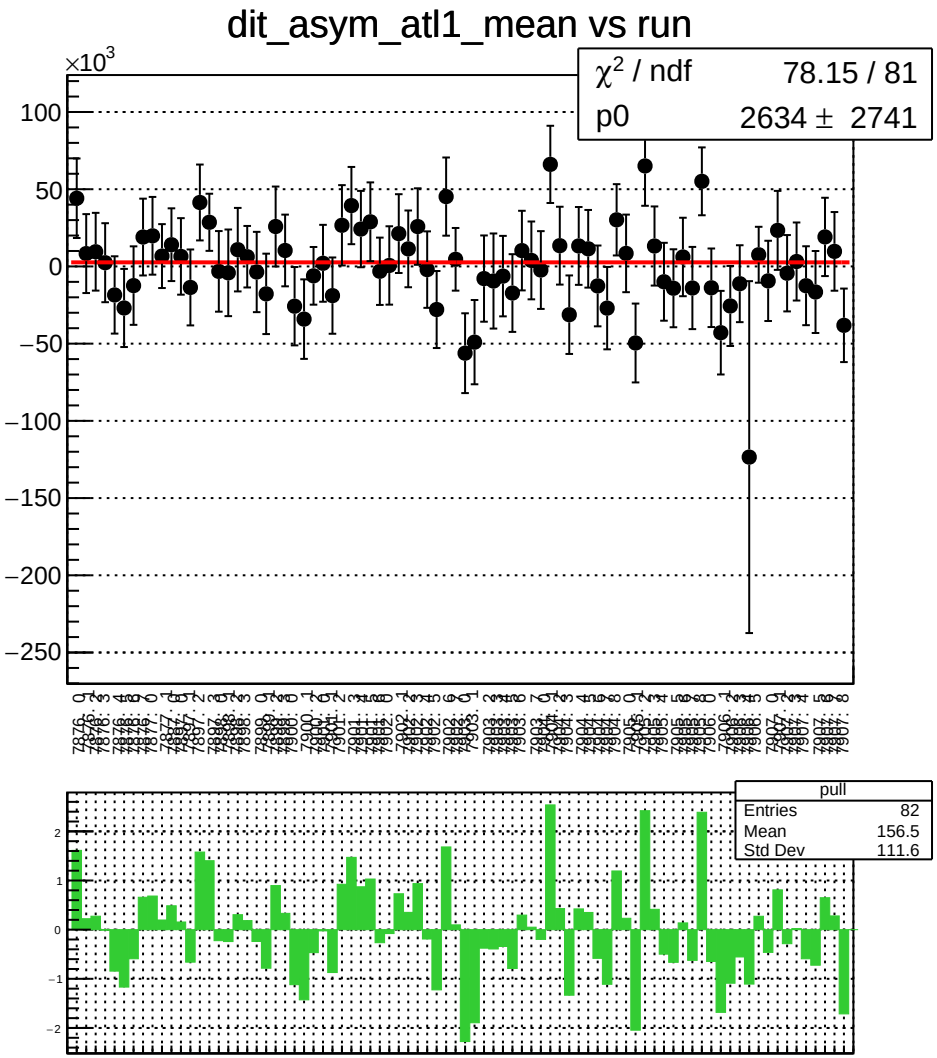


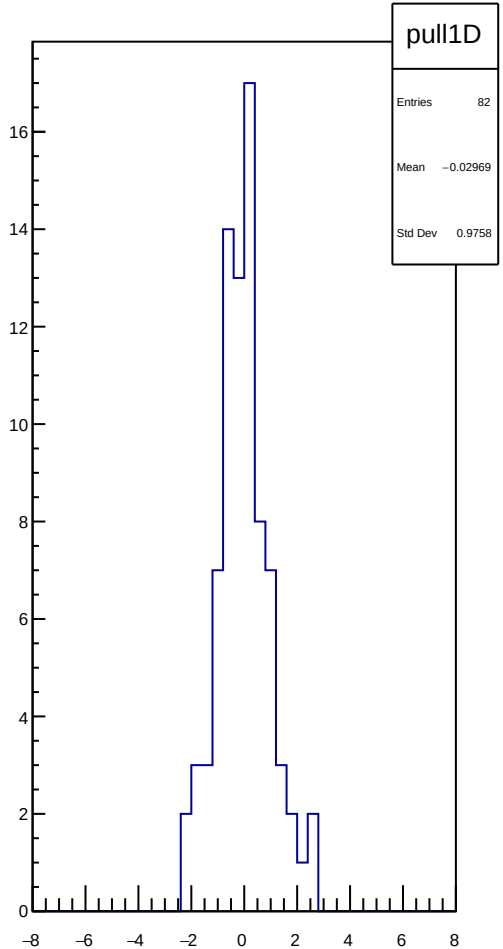

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 75.56 / 81
p0 3037 ± 2031
pull
Entries 82
Mean −60.03
Std Dev 80.34
pull1D
Entries 82
Mean −0.01447
Std Dev 0.9598


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 1.138e+04 / 81
p0 1805 ± 1.436
2300
2200
2100
2000
1900
1800
1700
1600
1500

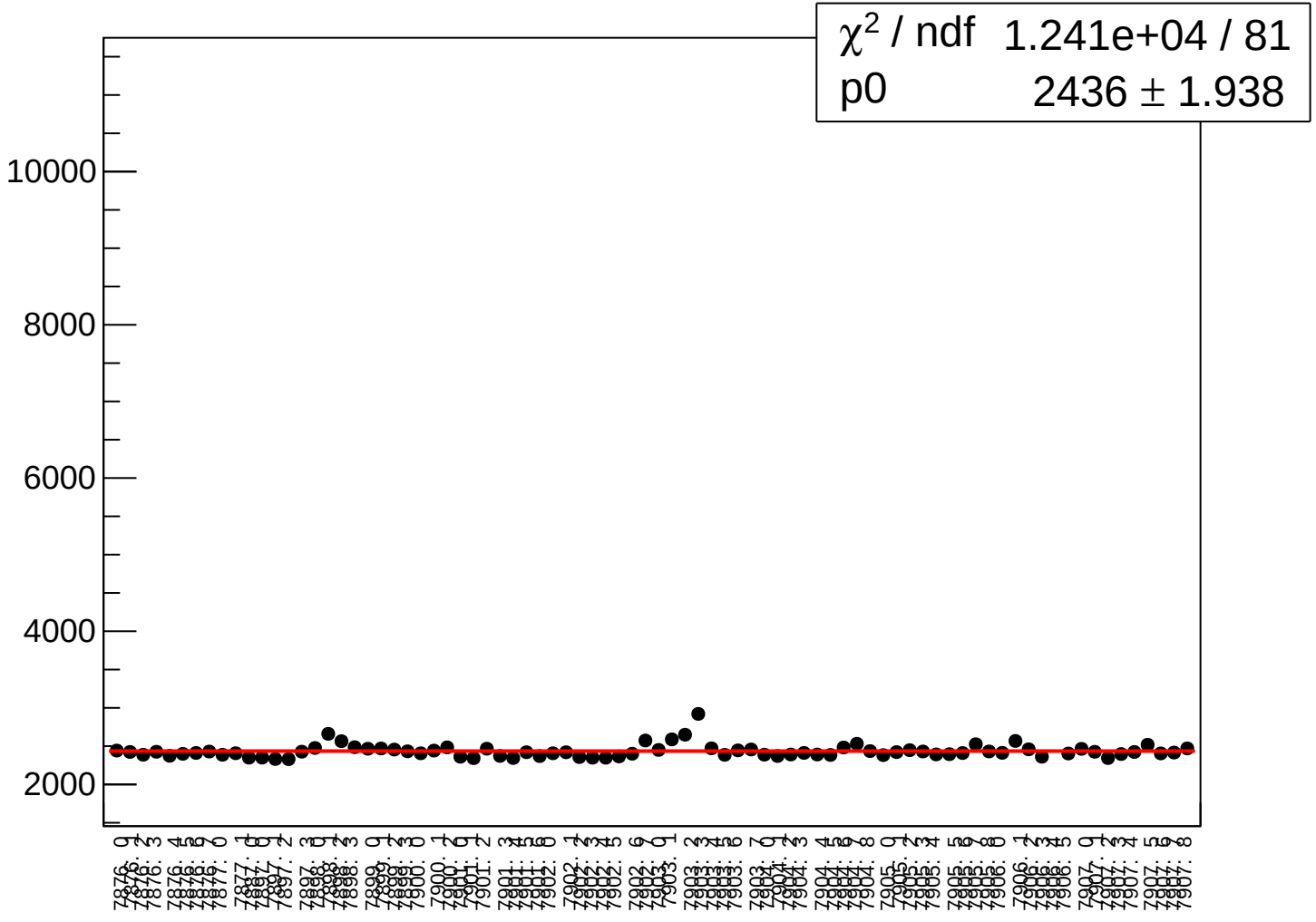

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 87.8 / 81
p0 −2613 ± 2450
100
50
0
−50
−100
pull
Entries 82
Mean 138.7
Std Dev 145.8
pull1D
Entries 82
Mean −0.004259
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

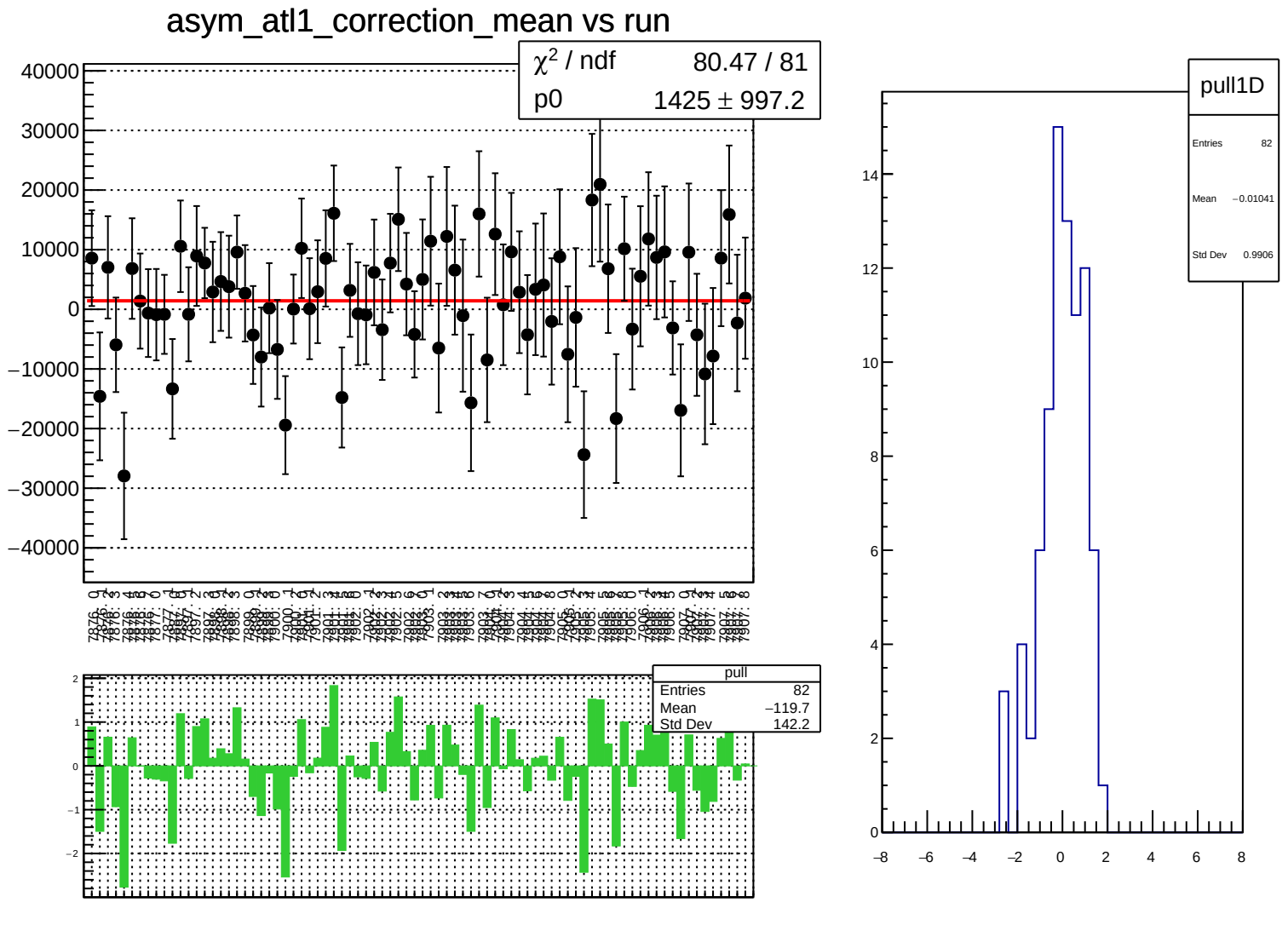

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 8534 / 81
p0 2180 ± 1.733
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

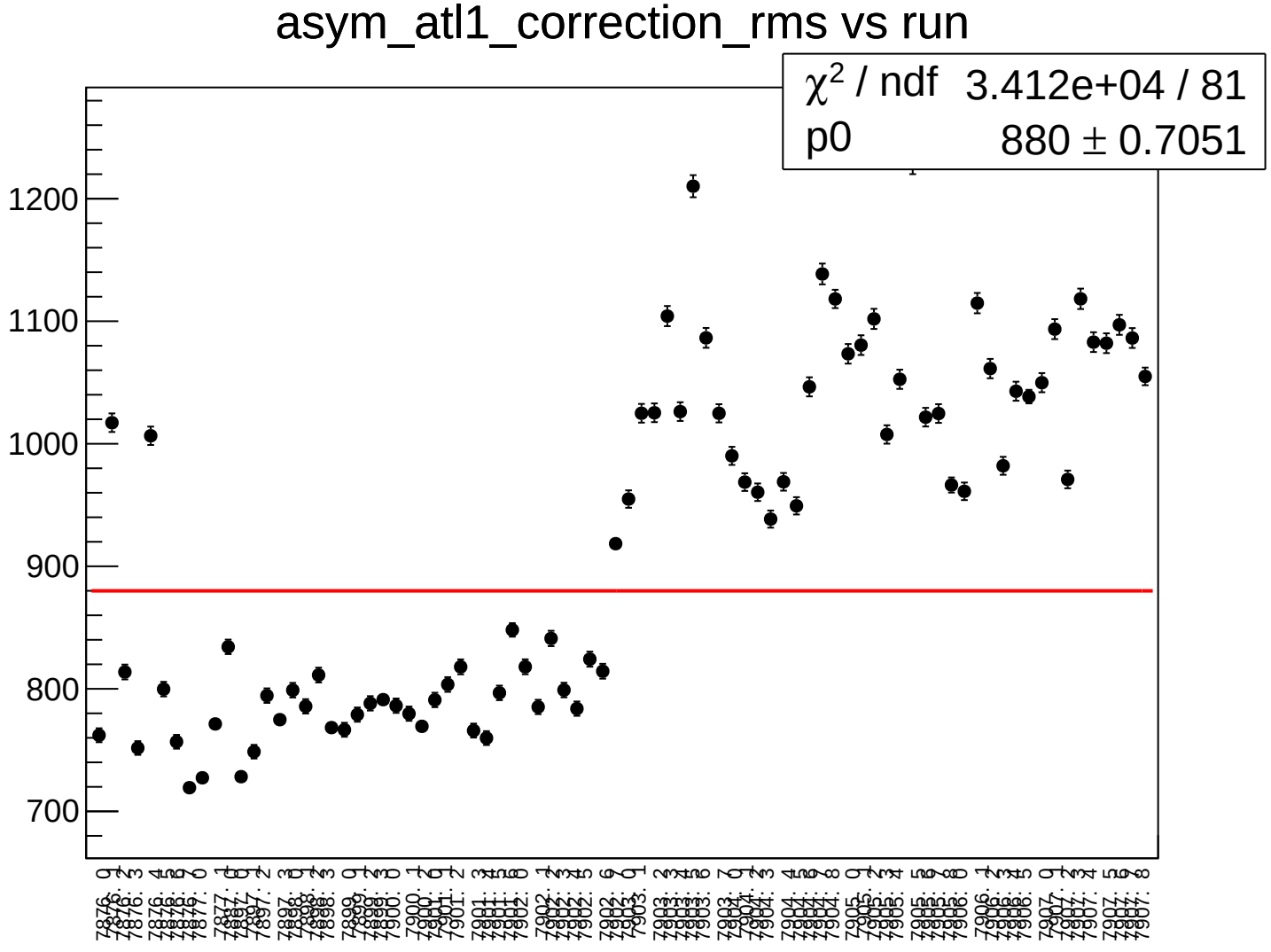

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 78.15 / 81
p0 2634 ± 2741
pull
Entries 82
Mean 156.5
Std Dev 111.6

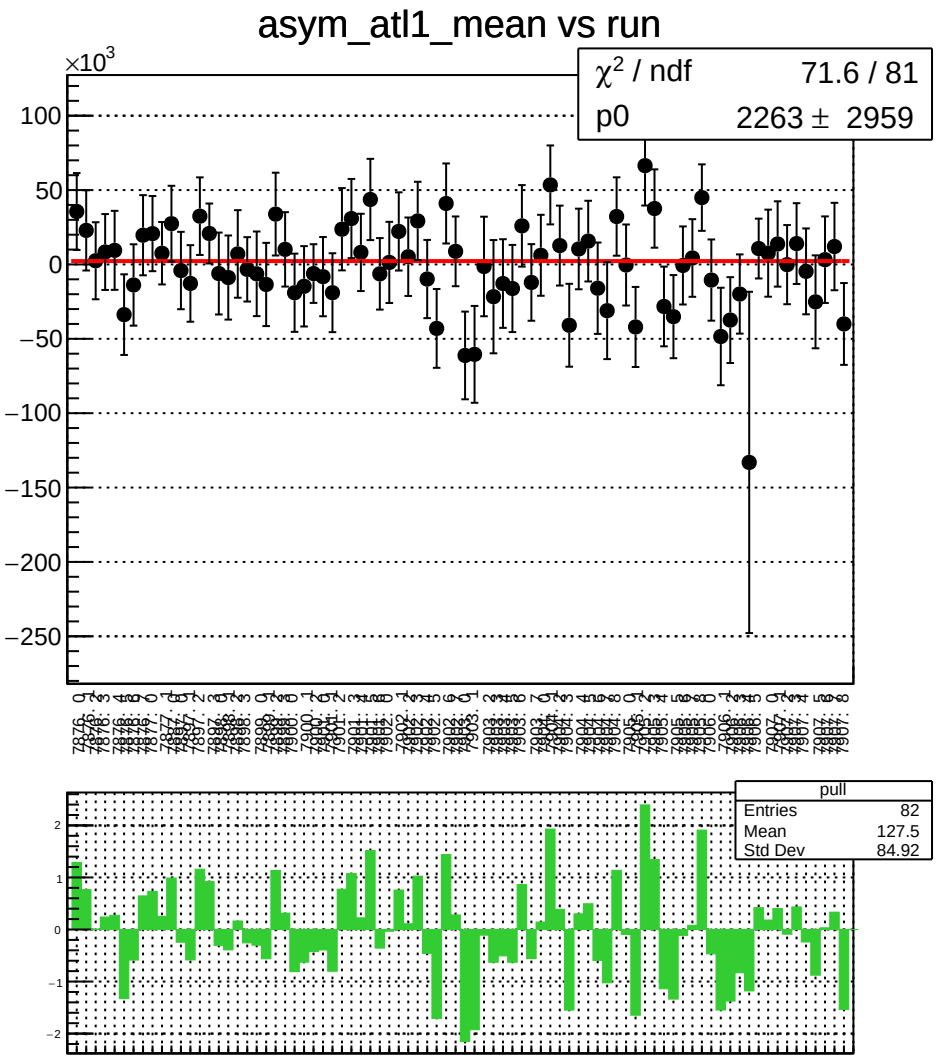

pull1D
Entries 82
Mean −0.02969
Std Dev 0.9758

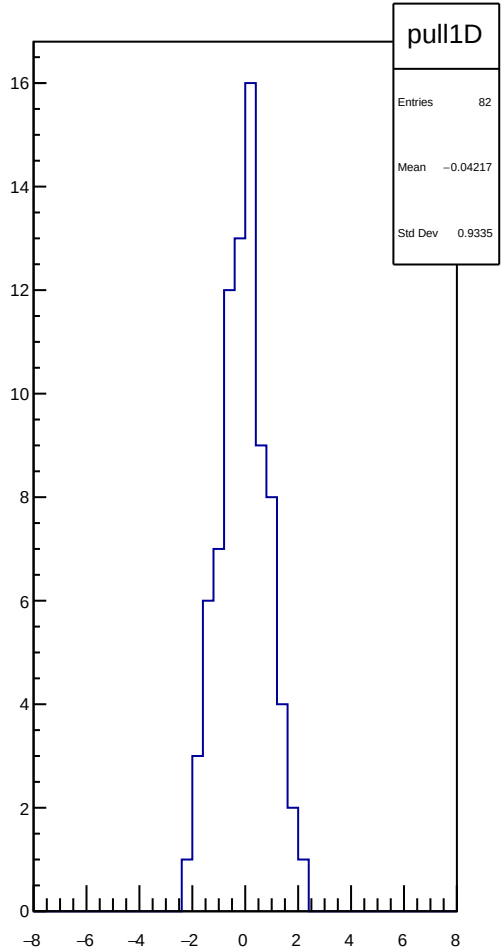
dit_asym_atl1_rms vs run



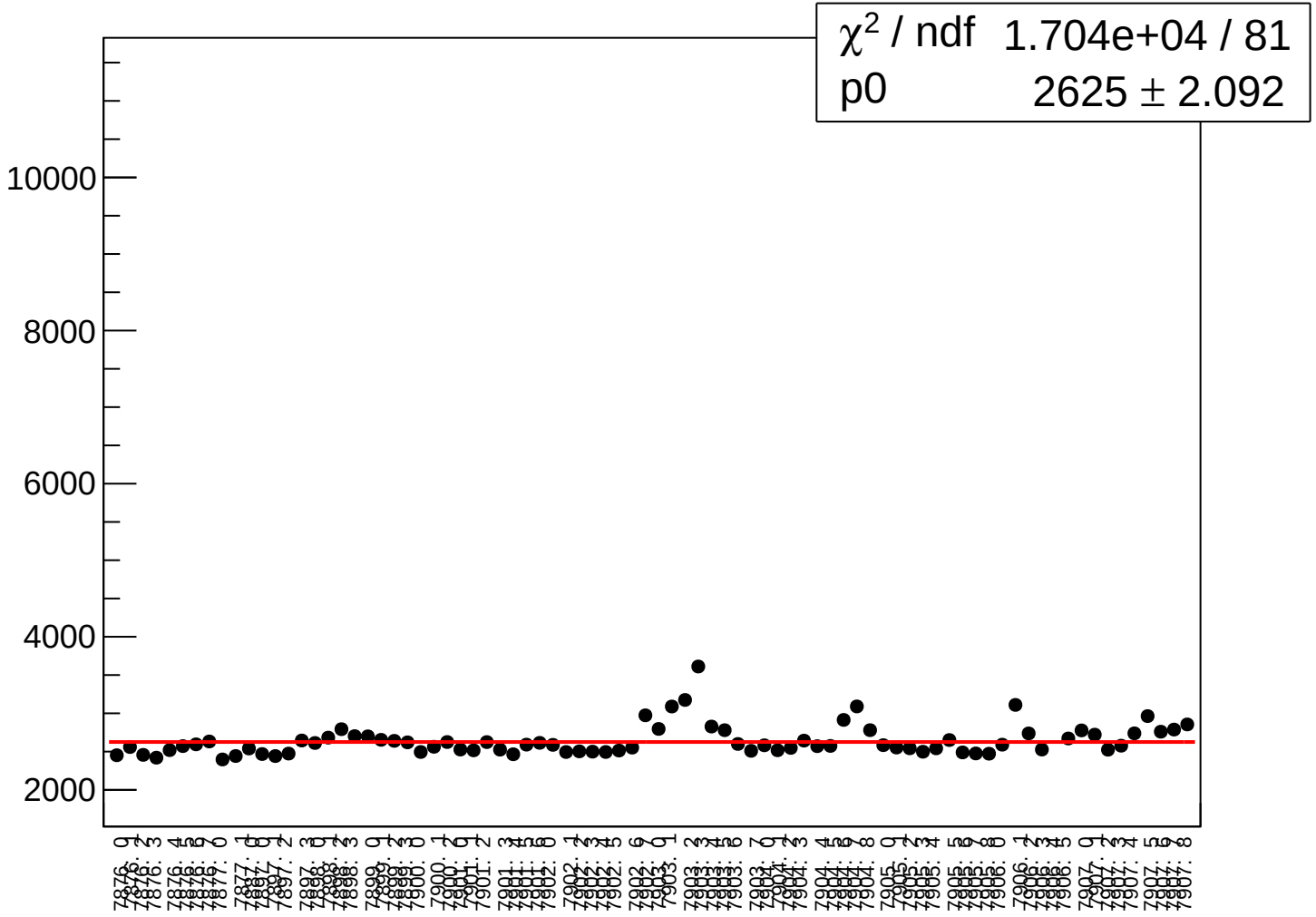

asym_atl1_correction_mean vs run
χ² / ndf 80.47 / 81
p0 1425 ± 997.2
pull
Entries 82
Mean −119.7
Std Dev 142.2
pull1D
Entries 82
Mean −0.01041
Std Dev 0.9906

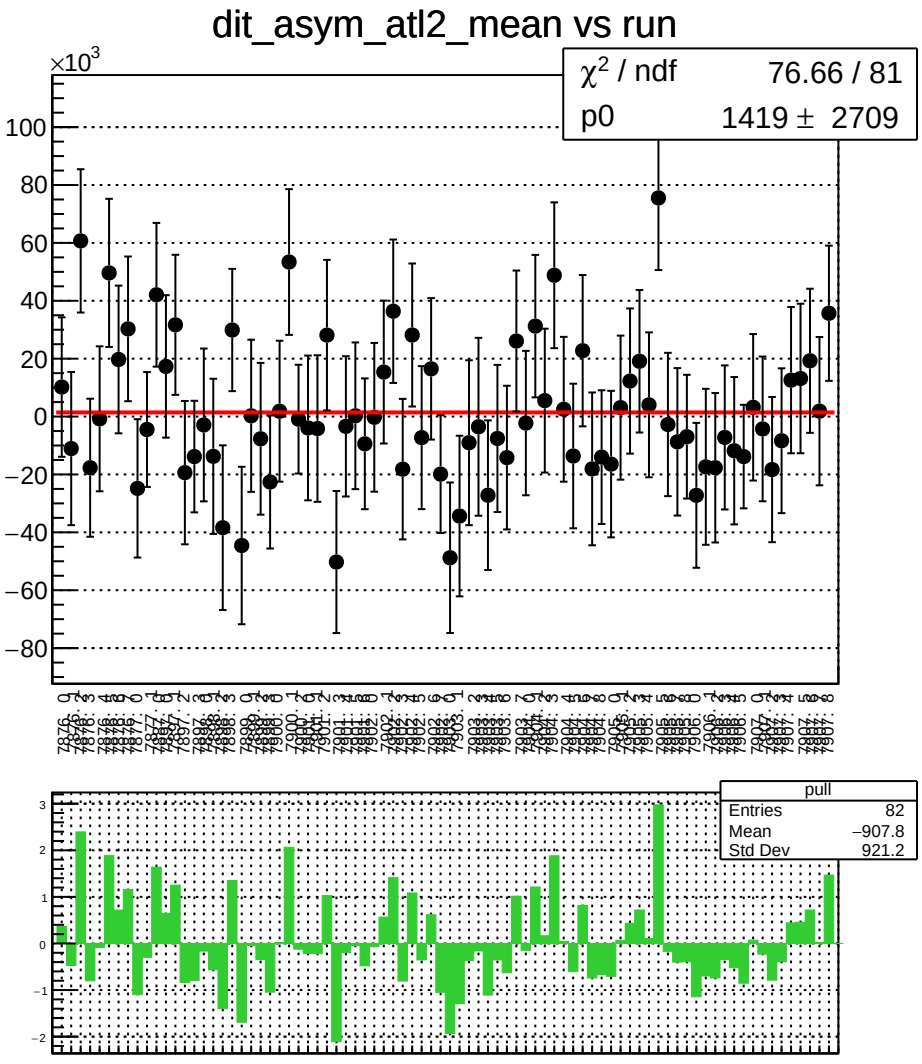

asym_atl1_correction_rms vs run
χ2 / ndf 3.412e+04 / 81
p0 880 ± 0.7051
1200
1100
1000
900
800
700

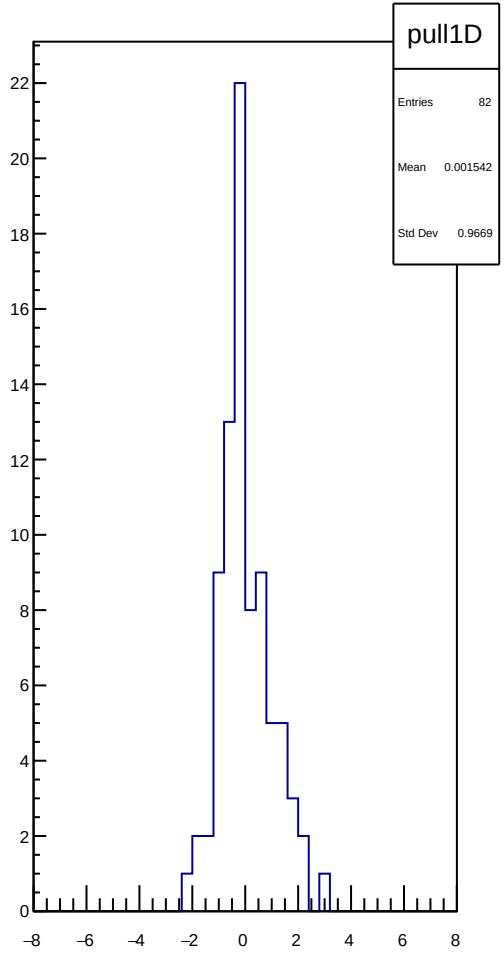

asym_atl1_mean vs run
×10^3
χ^2 / ndf 71.6 / 81
p0 2263 ± 2959
pull
Entries 82
Mean 127.5
Std Dev 84.92


pull1D
Entries 82
Mean −0.04217
Std Dev 0.9335

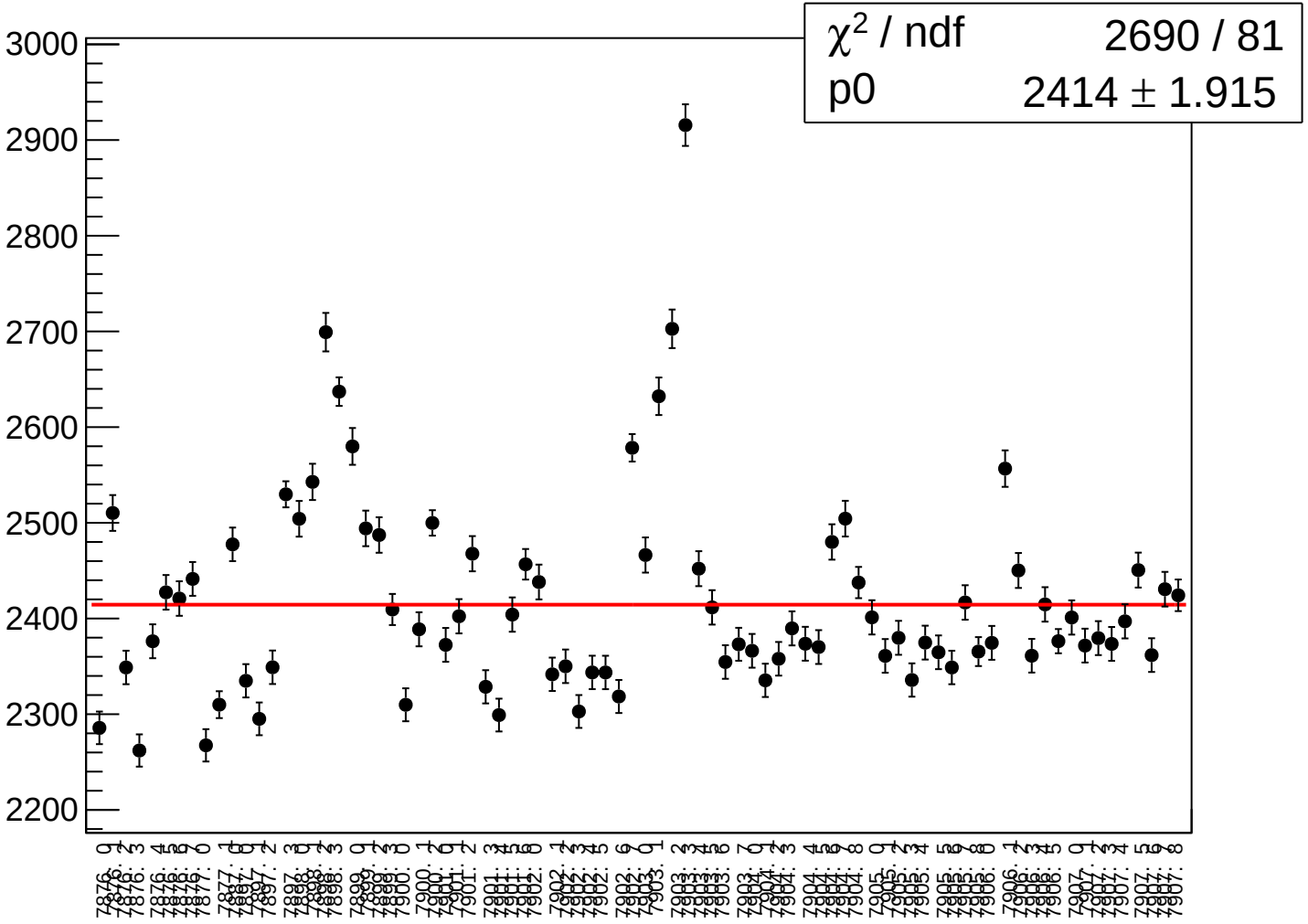
asym_atl1_rms vs run

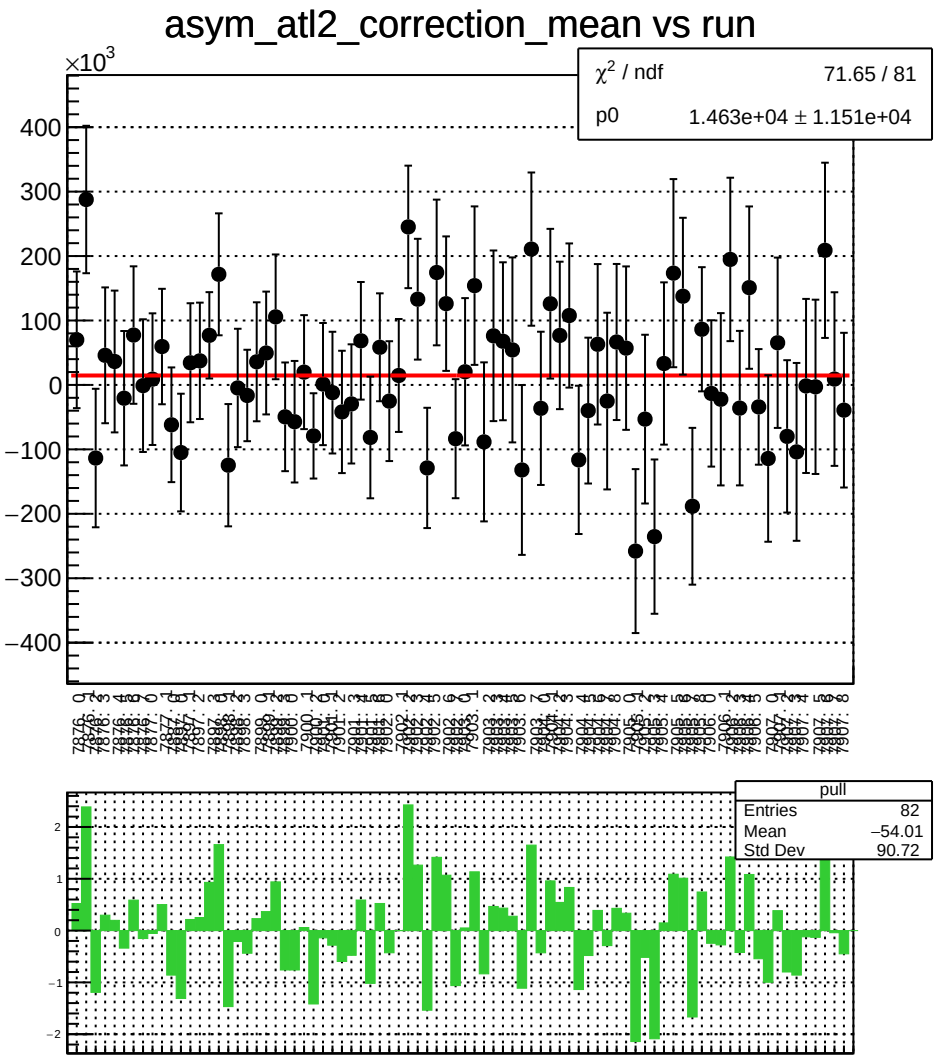


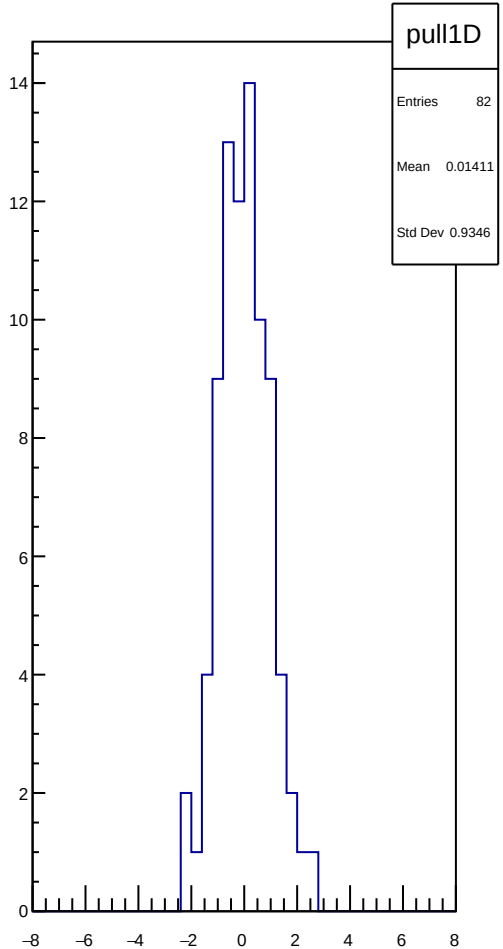

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 76.66 / 81
p0 1419 ± 2709
pull
Entries 82
Mean −907.8
Std Dev 921.2


pull1D
Entries 82
Mean 0.001542
Std Dev 0.9669

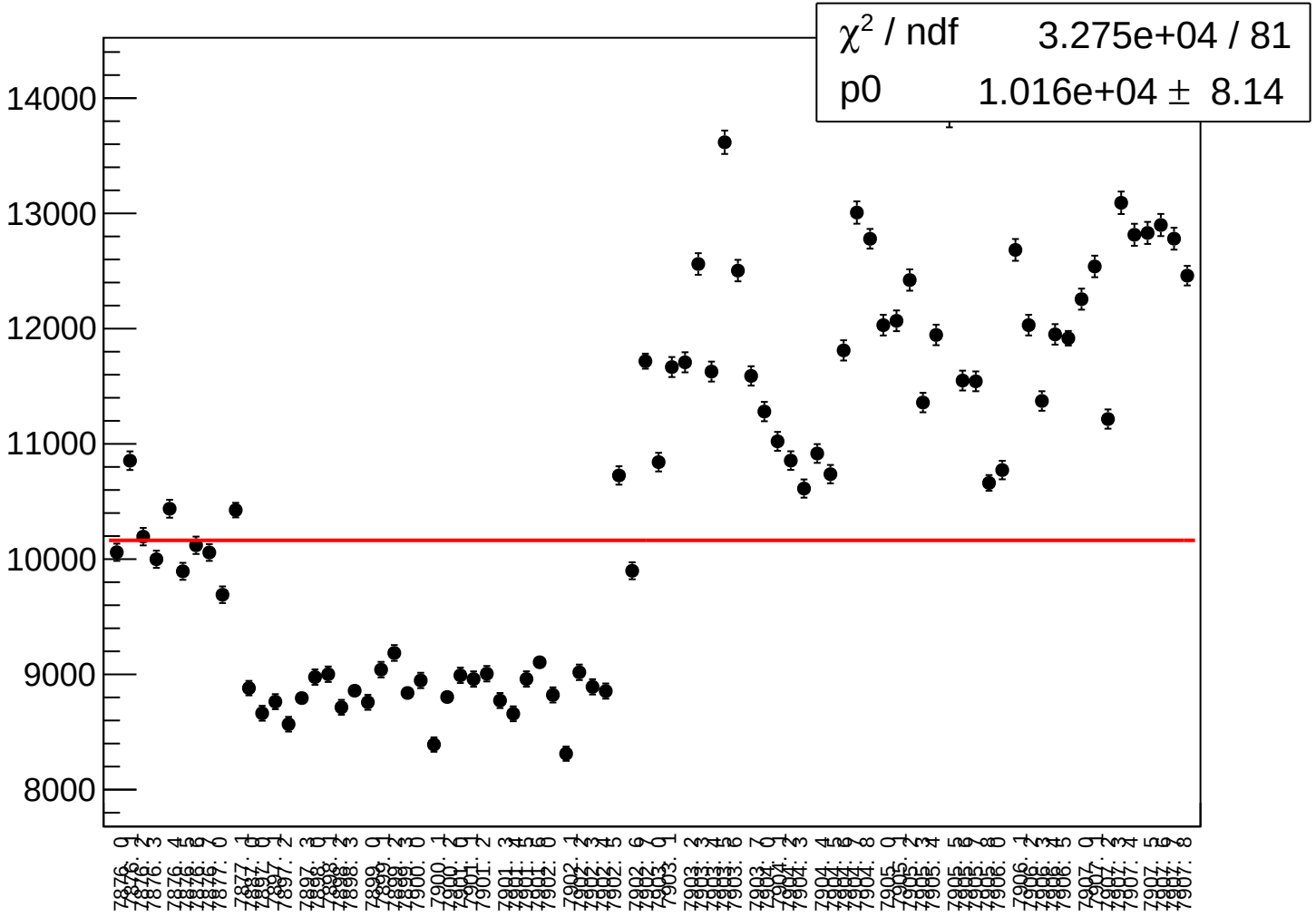
dit_asym_atl2_rms vs run

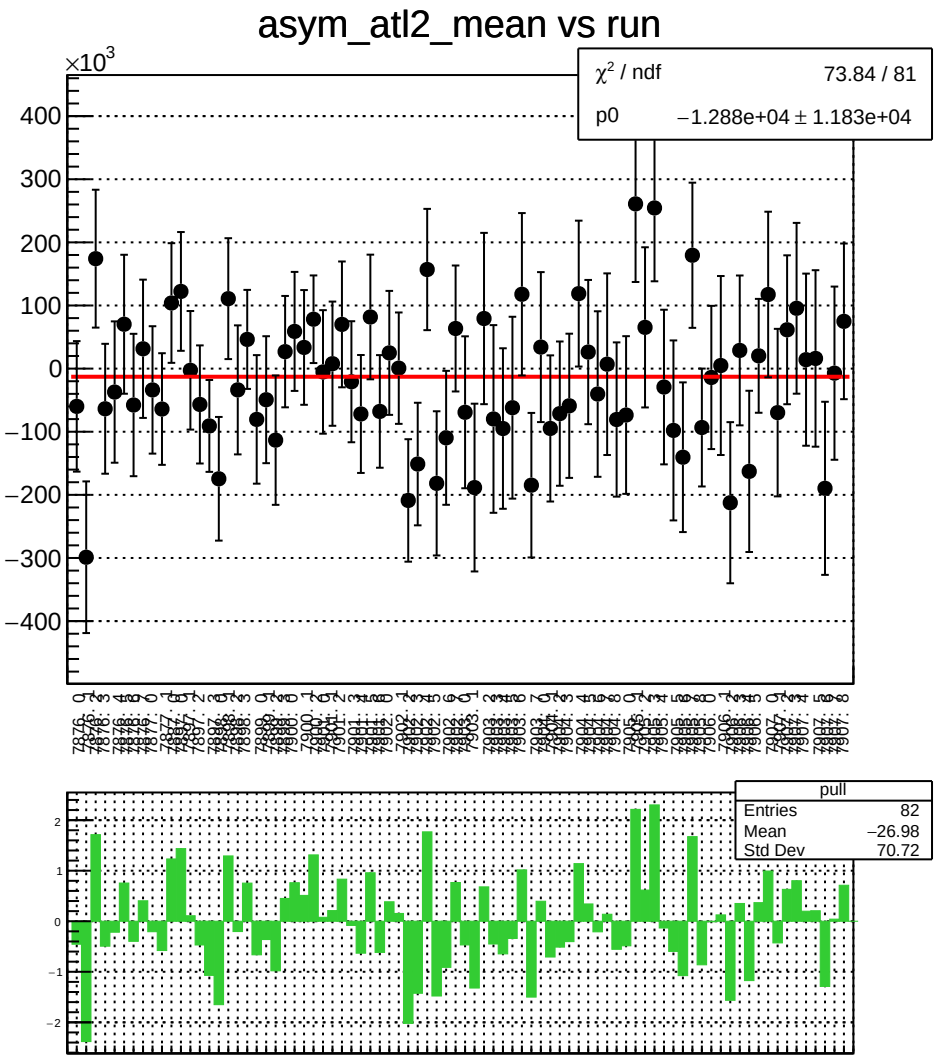


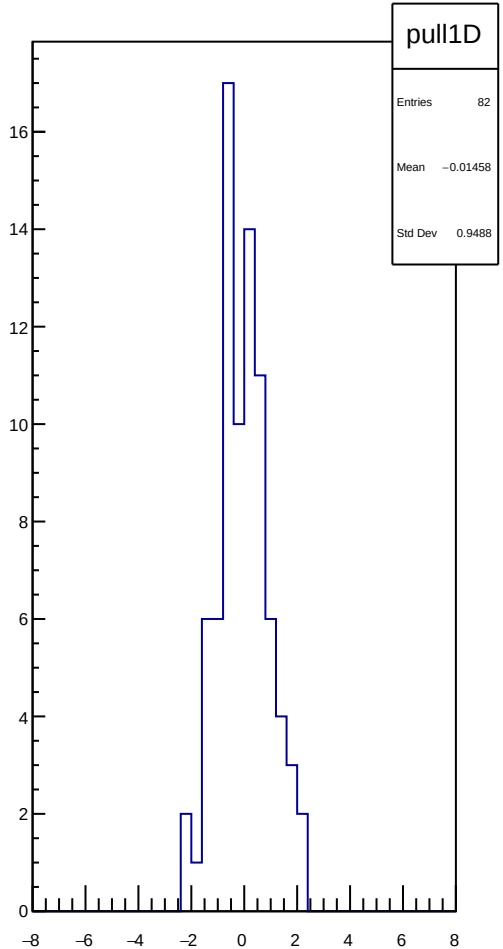

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 71.65 / 81
p0 1.463e+04 ± 1.151e+04
pull
Entries 82
Mean −54.01
Std Dev 90.72

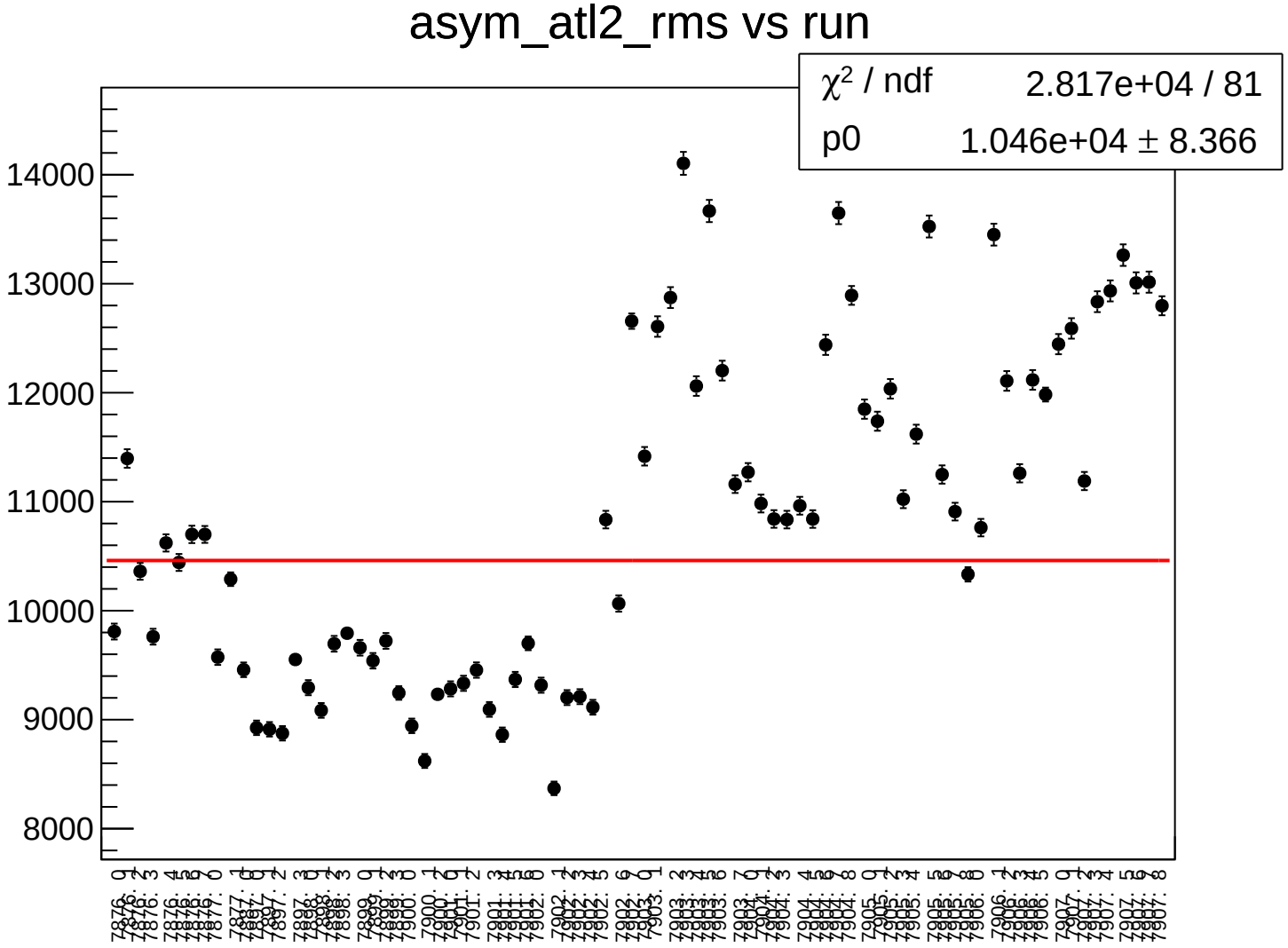

pull1D
Entries 82
Mean 0.01411
Std Dev 0.9346

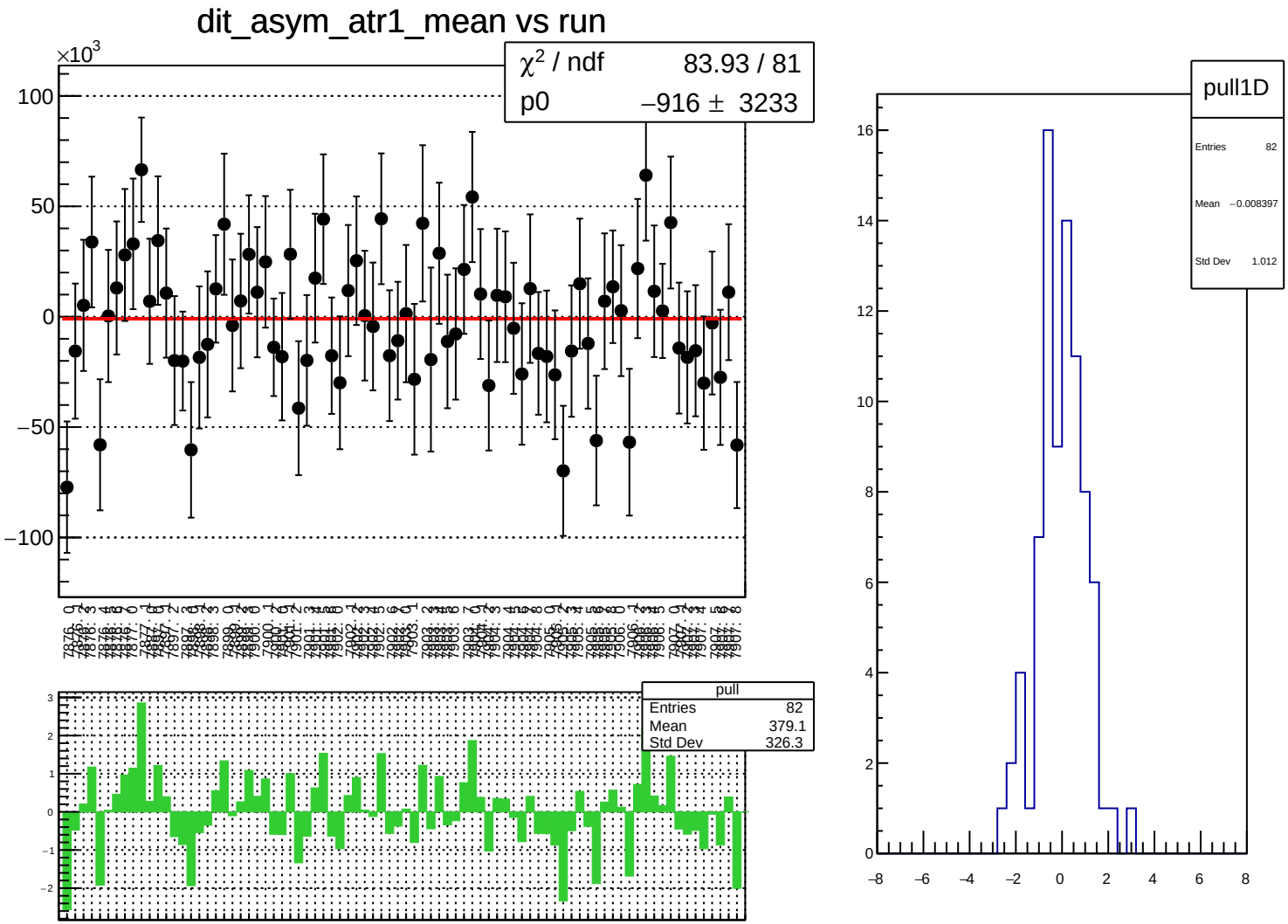
asym_atl2_correction_rms vs run

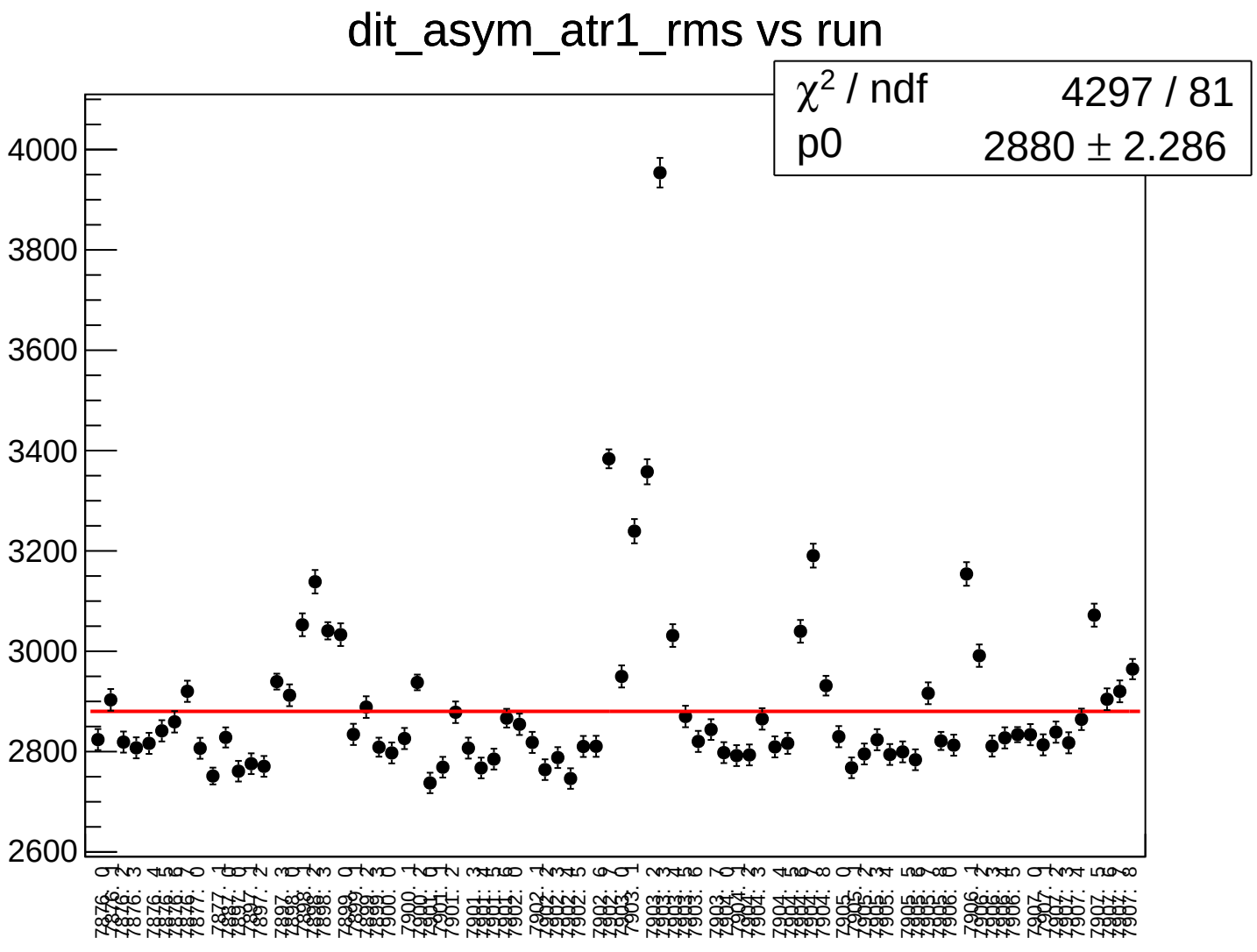


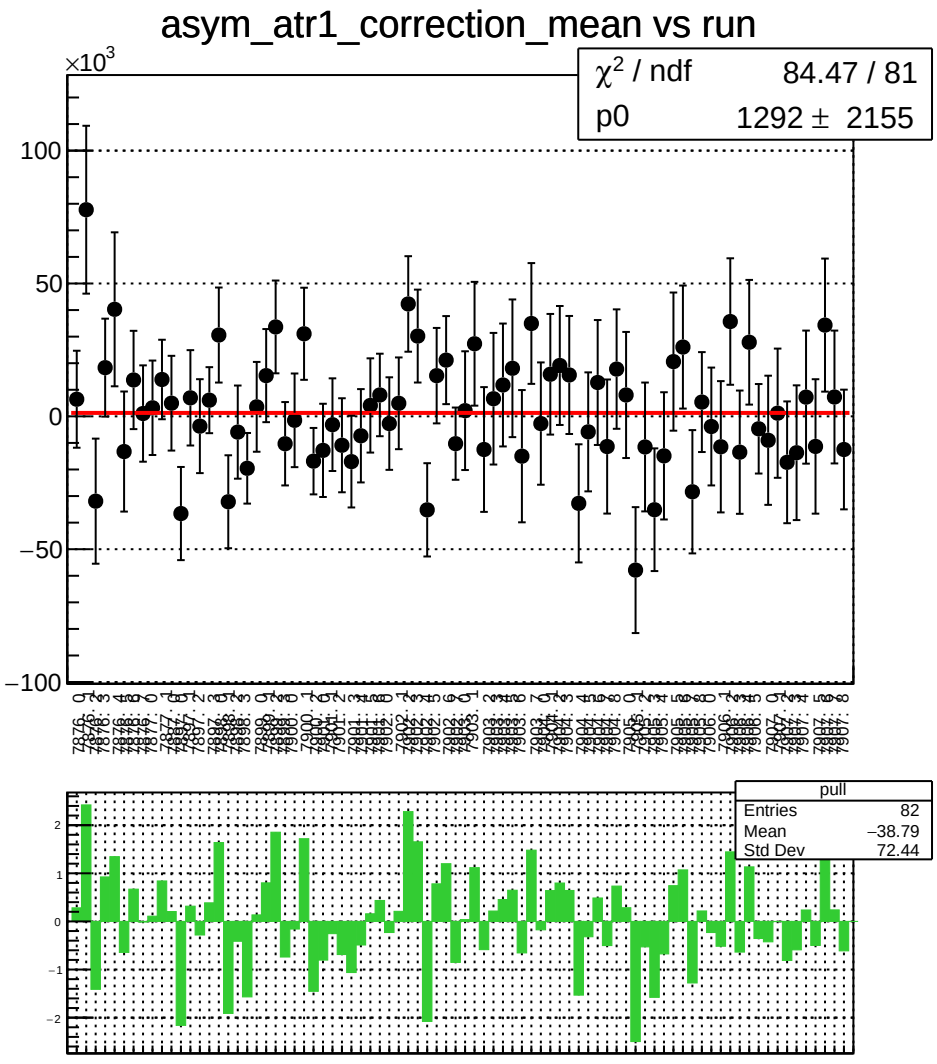

asym_atl2_mean vs run
×10^3
χ² / ndf 73.84 / 81
p0 −1.288e+04 ± 1.183e+04
pull
Entries 82
Mean −26.98
Std Dev 70.72

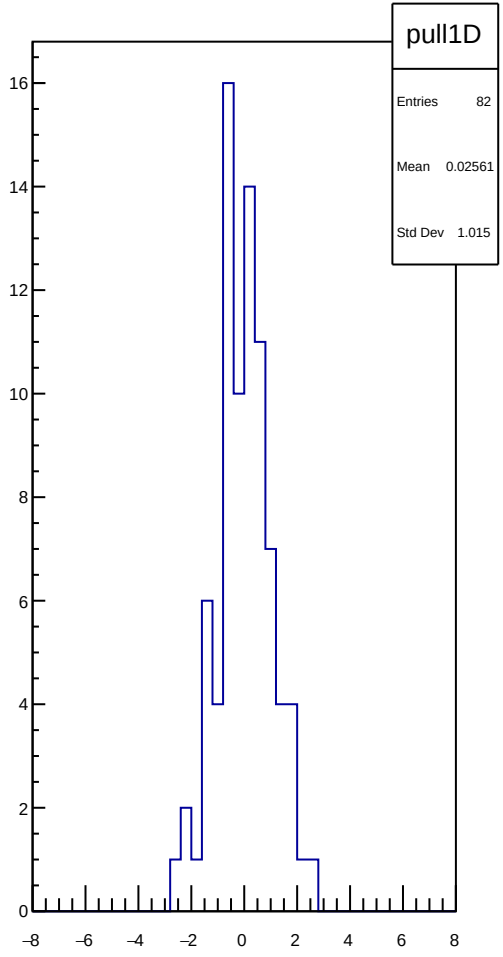

pull1D
Entries 82
Mean −0.01458
Std Dev 0.9488


asym_atl2_rms vs run
χ^2 / ndf 2.817e+04 / 81
p0 1.046e+04 ± 8.366
14000
13000
12000
11000
10000
9000
8000

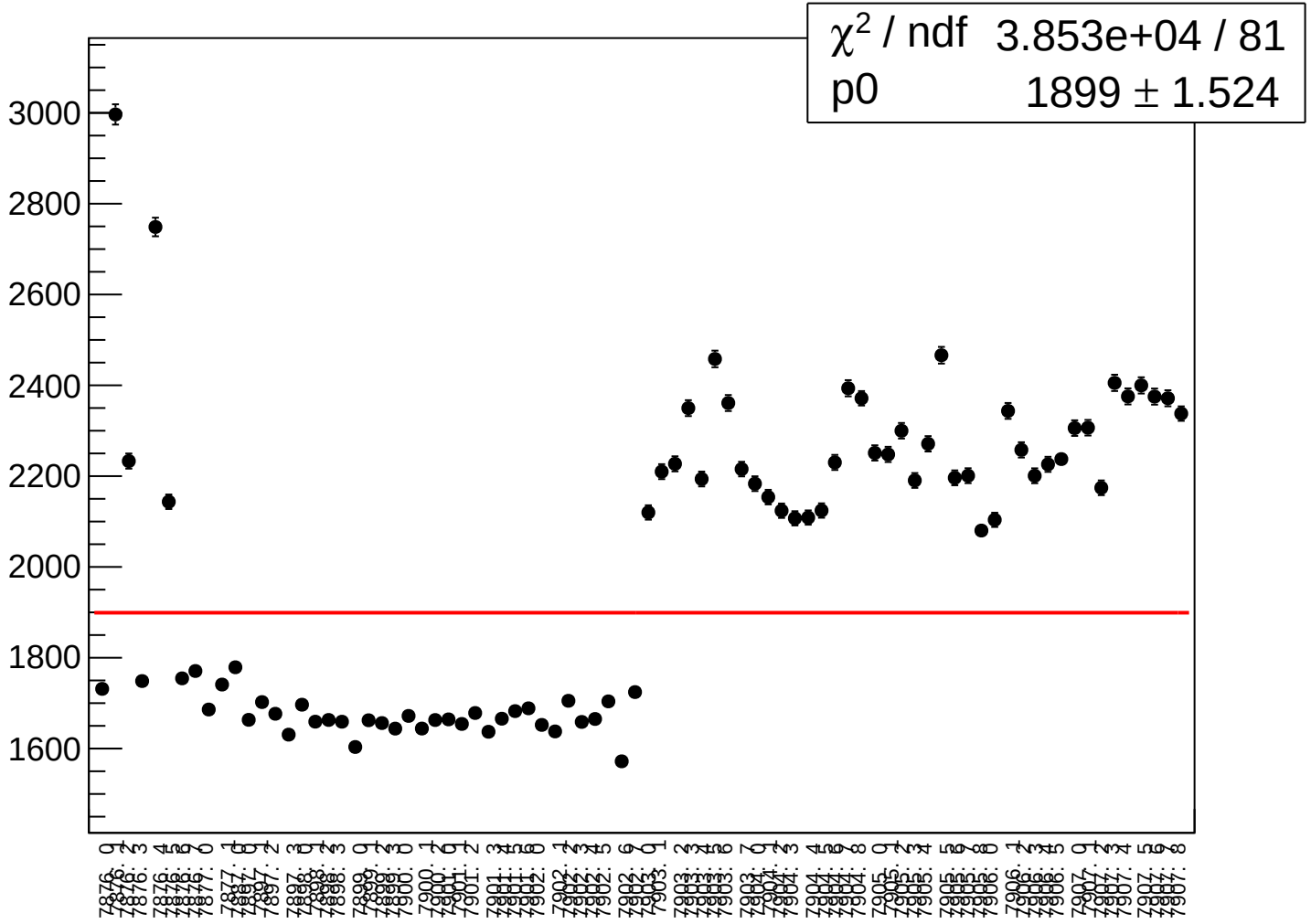

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 83.93 / 81
p0 −916 ± 3233
pull
Entries 82
Mean 379.1
Std Dev 326.3
pull1D
Entries 82
Mean −0.008397
Std Dev 1.012

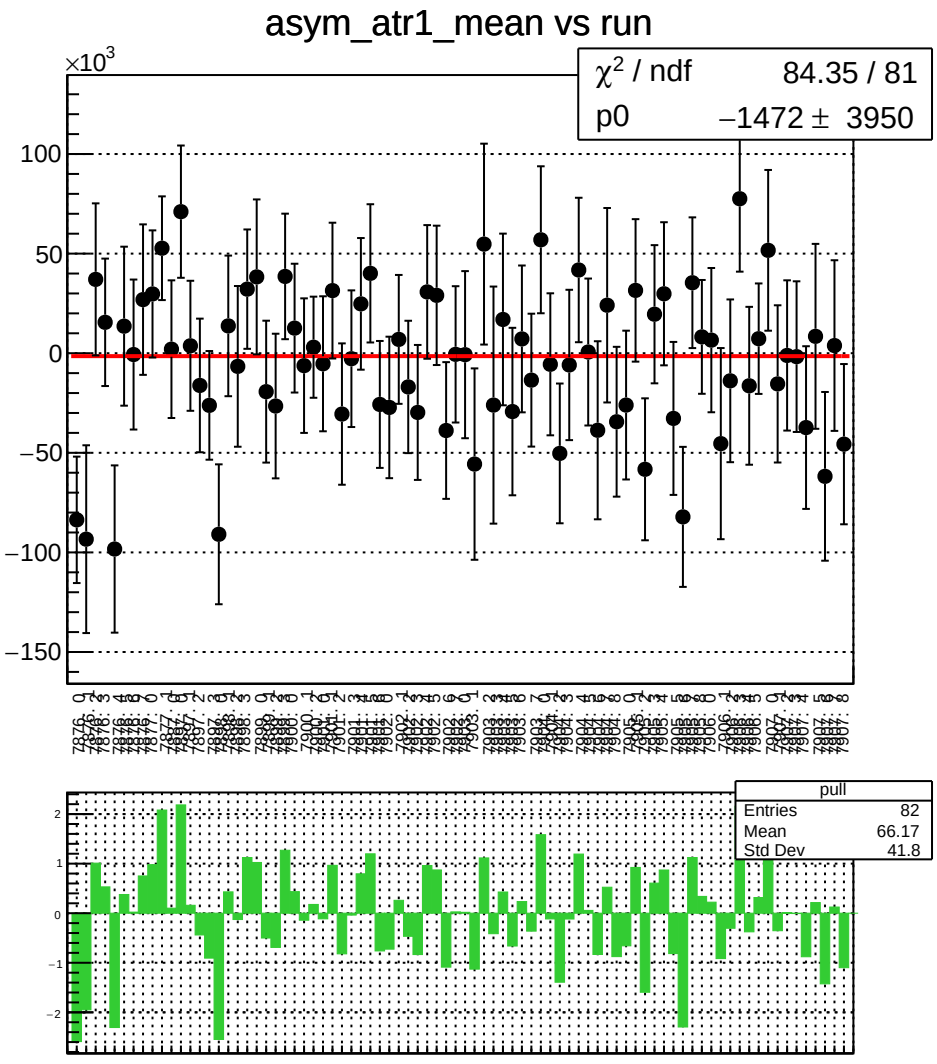

dit_asym_atr1_rms vs run
χ² / ndf 4297 / 81
p0 2880 ± 2.286
4000
3800
3600
3400
3200
3000
2800
2600

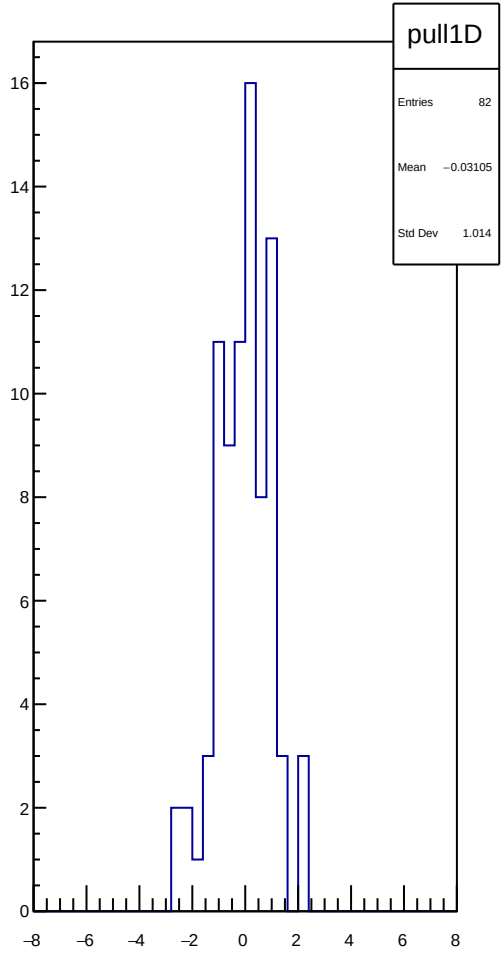

asym_atr1_correction_mean vs run
×10^3
χ² / ndf 84.47 / 81
p0 1292 ± 2155
pull
Entries 82
Mean −38.79
Std Dev 72.44

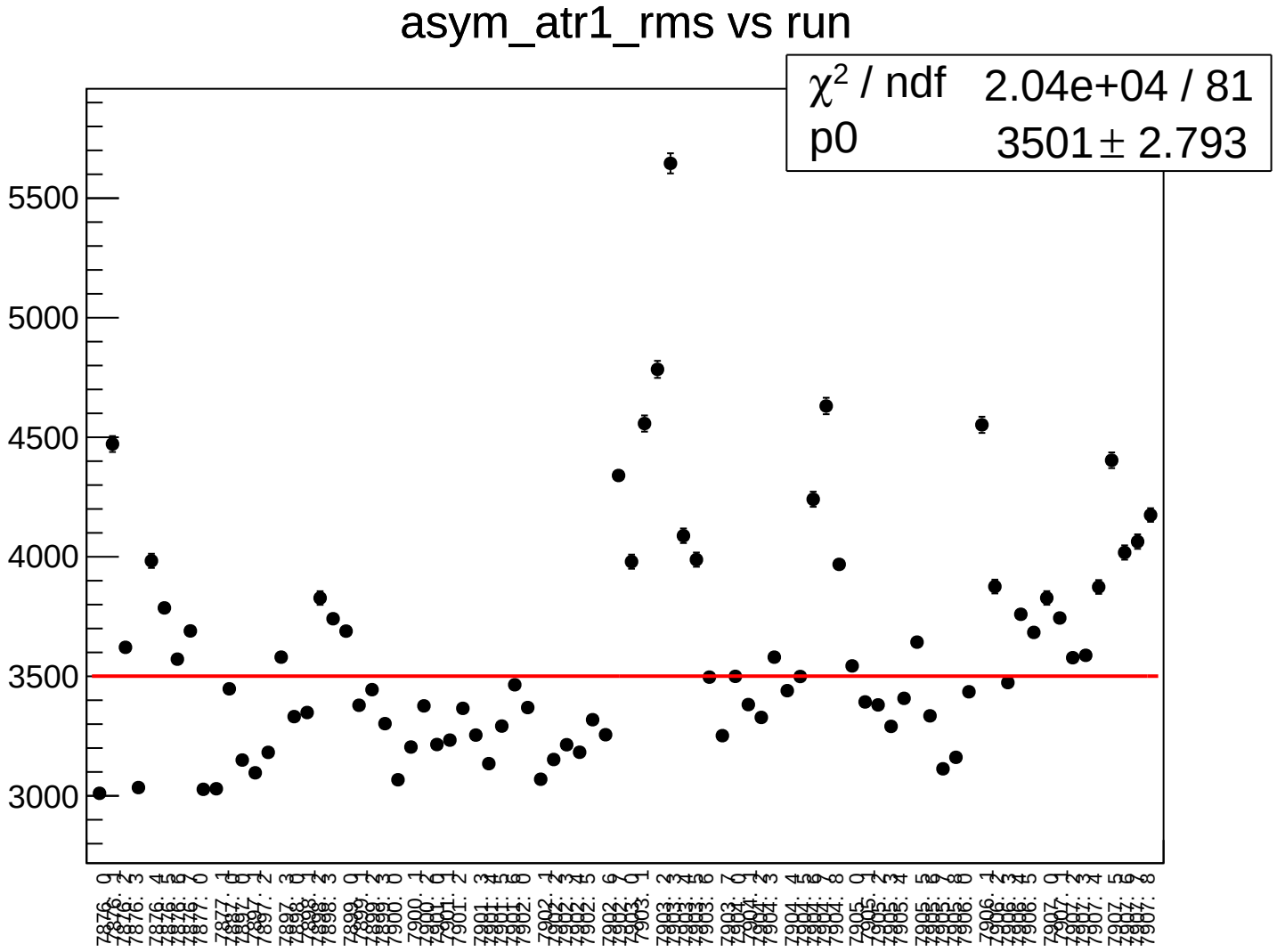

pull1D
Entries 82
Mean 0.02561
Std Dev 1.015

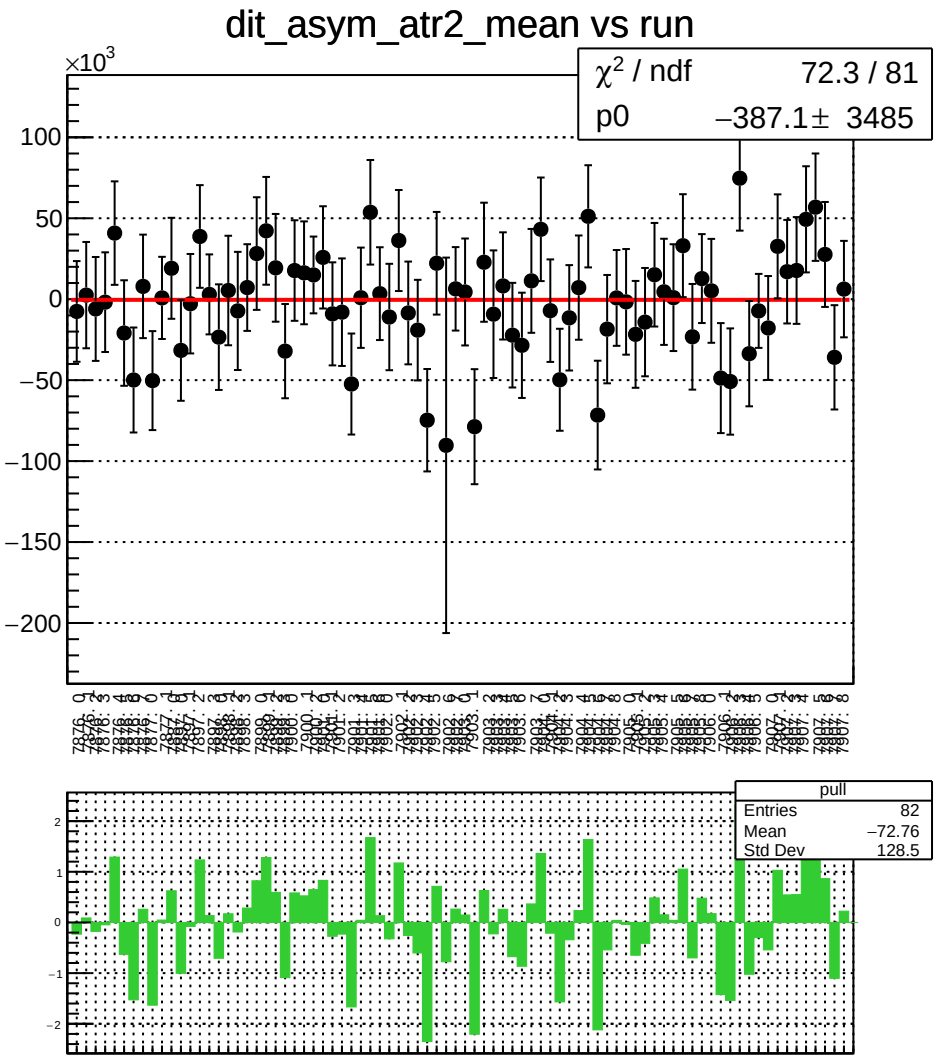
asym_atr1_correction_rms vs run

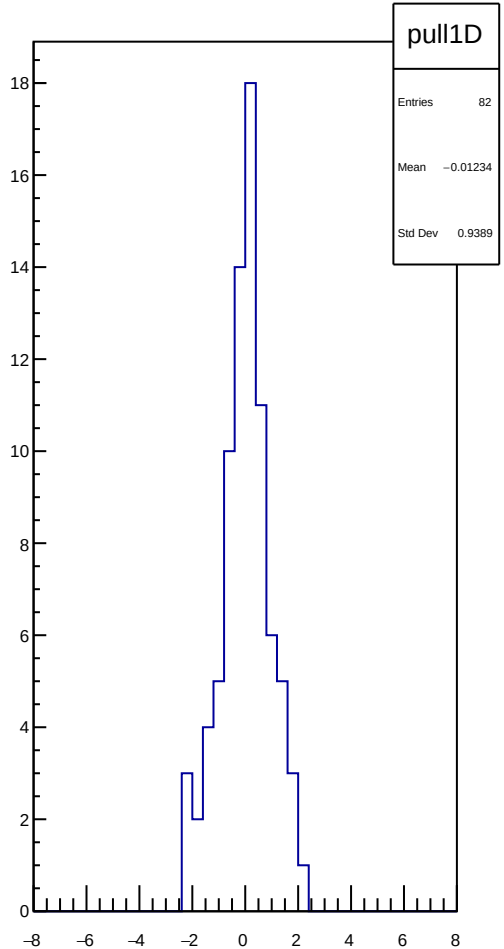



asym_atr1_mean vs run
×10^3
χ² / ndf 84.35 / 81
p0 −1472 ± 3950
100
50
0
−50
−100
−150
pull
Entries 82
Mean 66.17
Std Dev 41.8
2
1
0
−1
−2

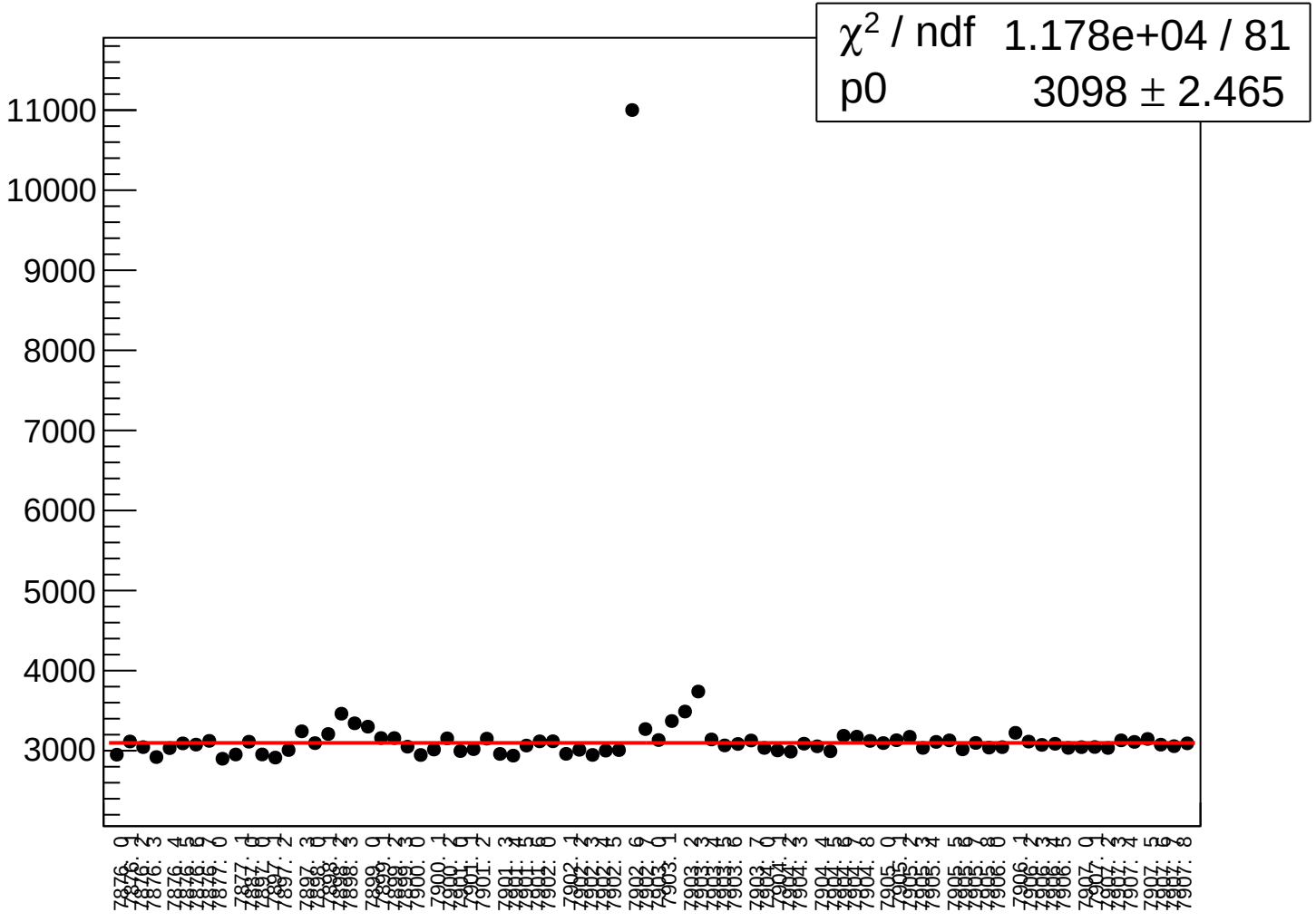

pull1D
Entries 82
Mean −0.03105
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

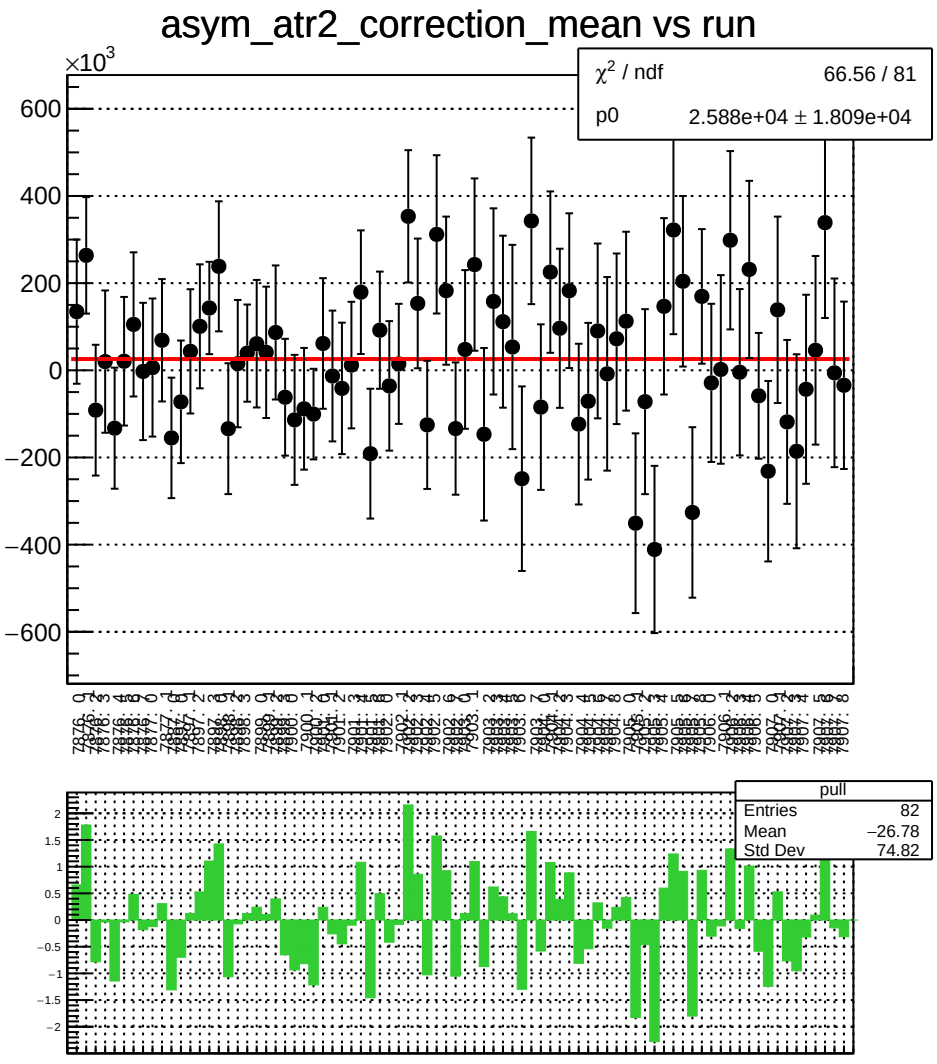

asym_atr1_rms vs run
χ^2 / ndf 2.04e+04 / 81
p0 3501 ± 2.793
5500
5000
4500
4000
3500
3000

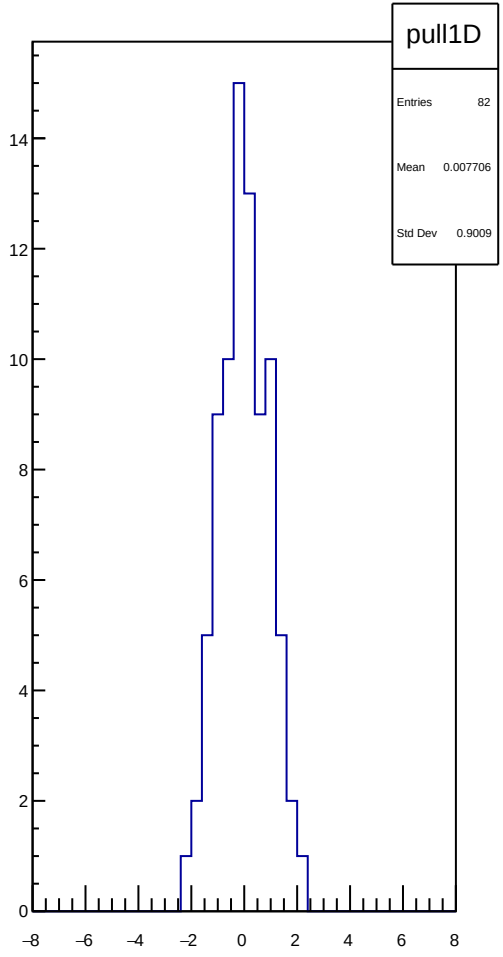

dit_asym_atr2_mean vs run
χ^2 / ndf 72.3 / 81
p0 −387.1± 3485
×10^3
pull
Entries 82
Mean −72.76
Std Dev 128.5


pull1D
Entries 82
Mean −0.01234
Std Dev 0.9389

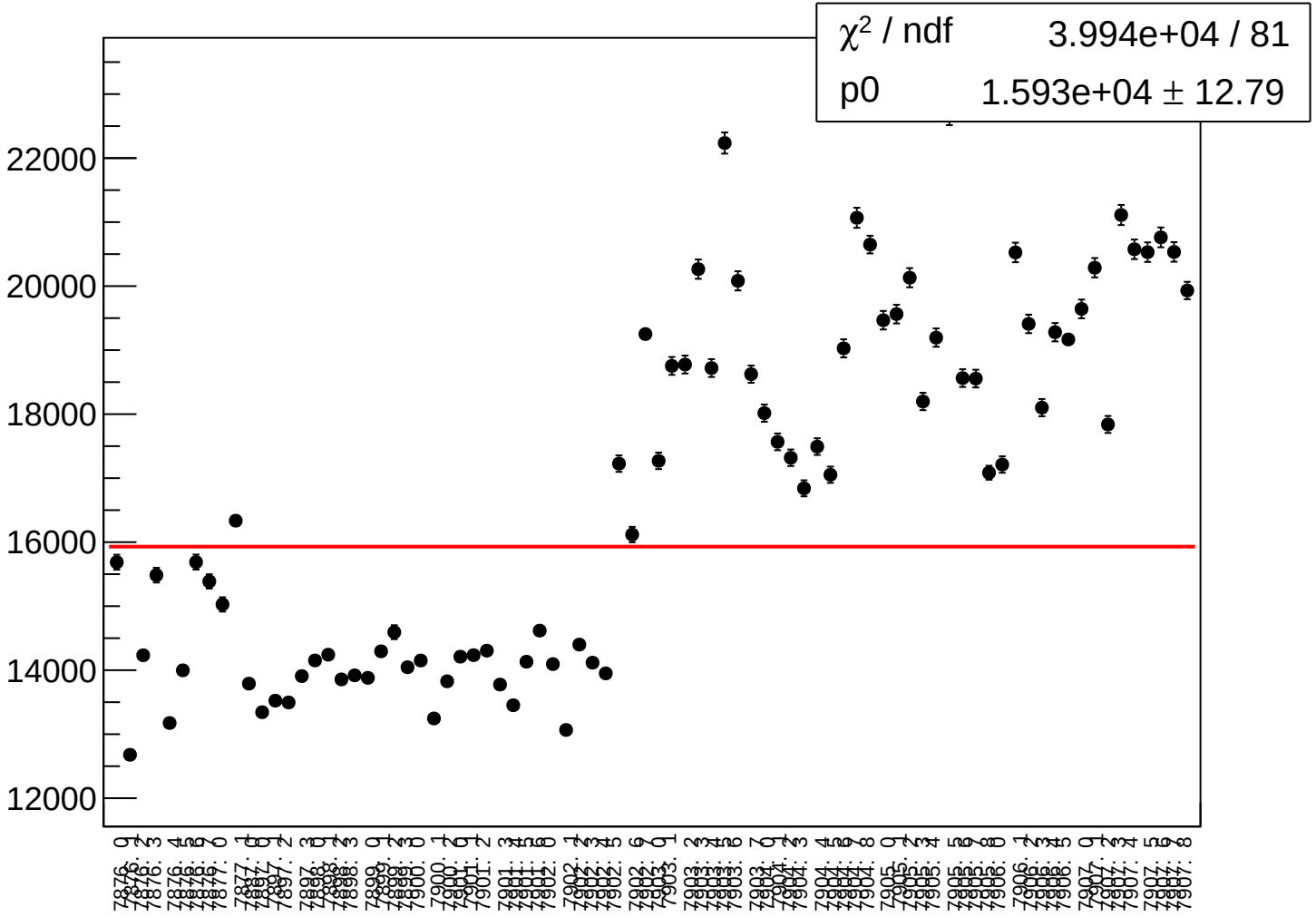
dit_asym_atr2_rms vs run

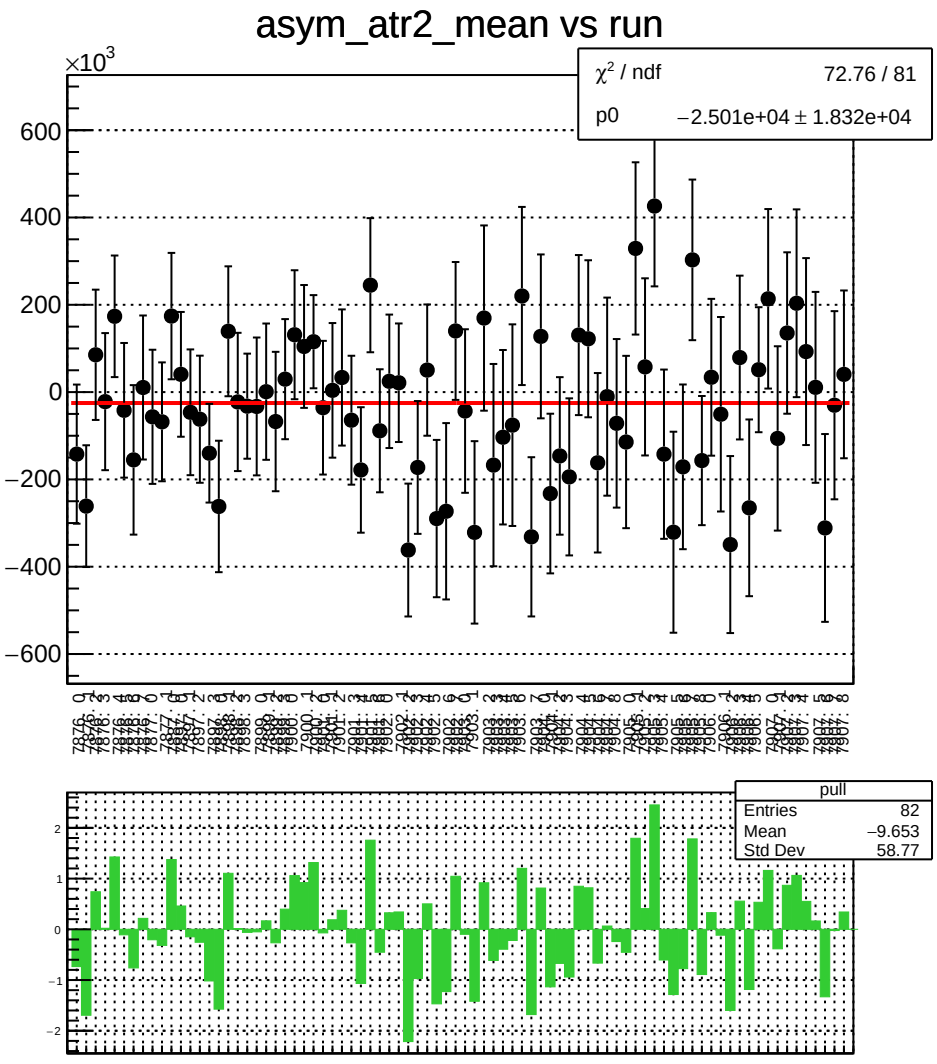


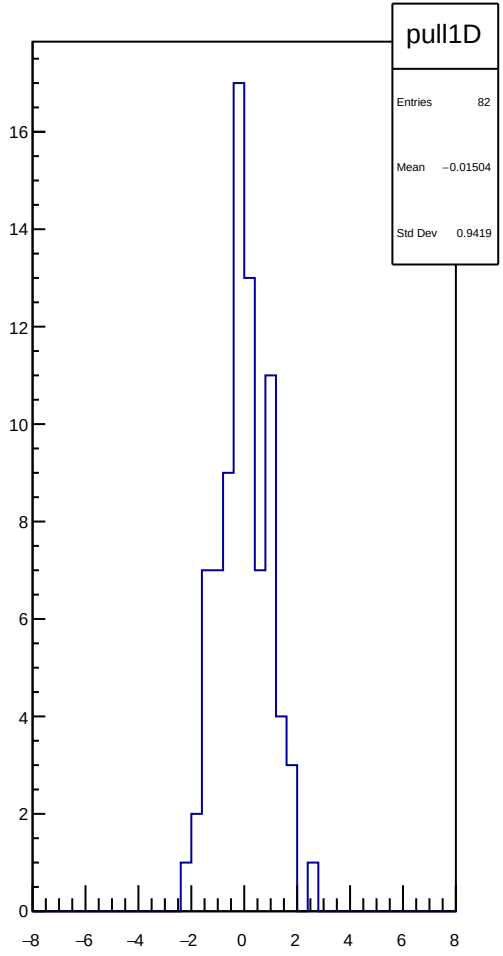

asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 66.56 / 81
p0 2.588e+04 ± 1.809e+04
pull
Entries 82
Mean −26.78
Std Dev 74.82

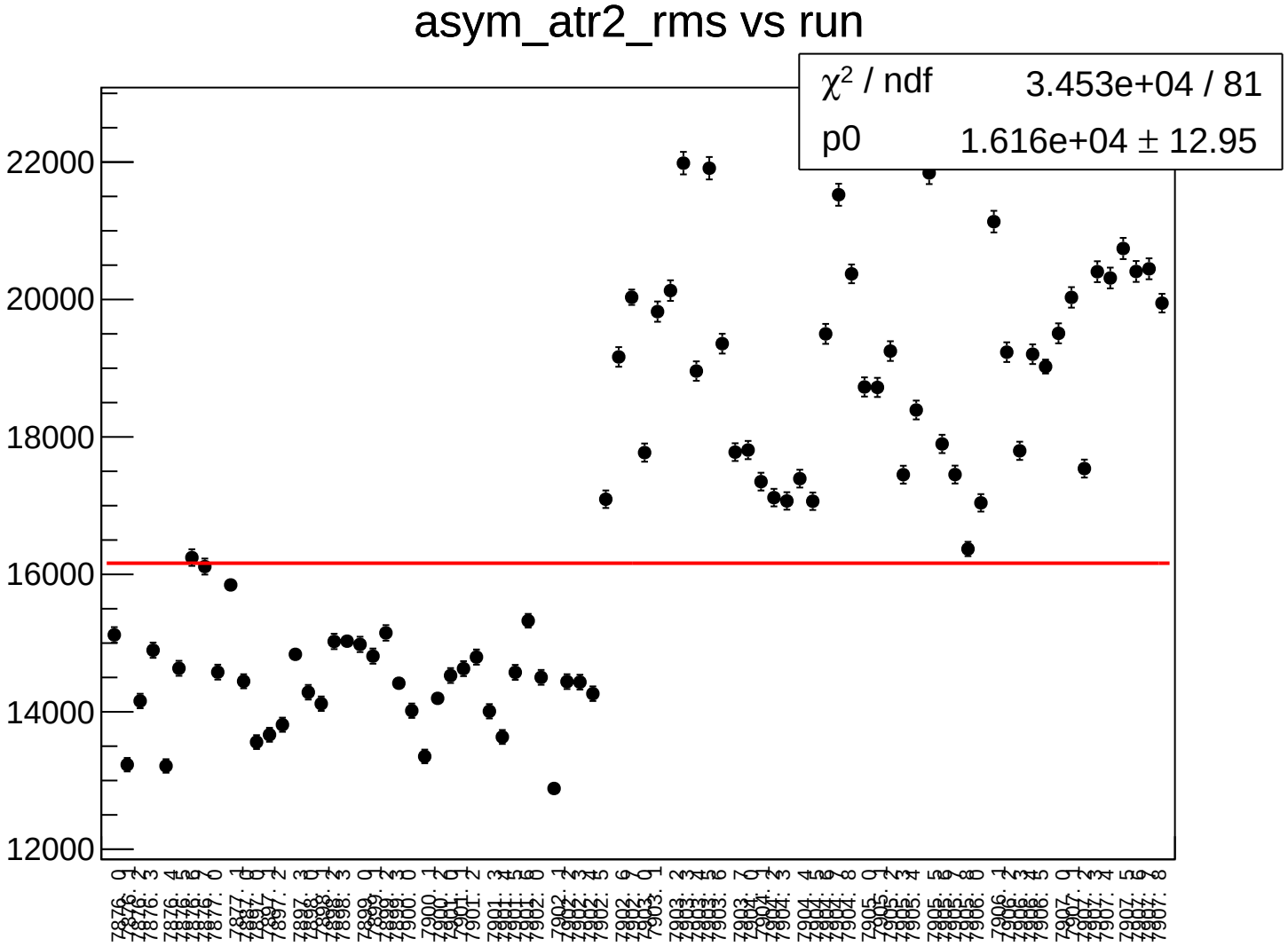

pull1D
Entries 82
Mean 0.007706
Std Dev 0.9009

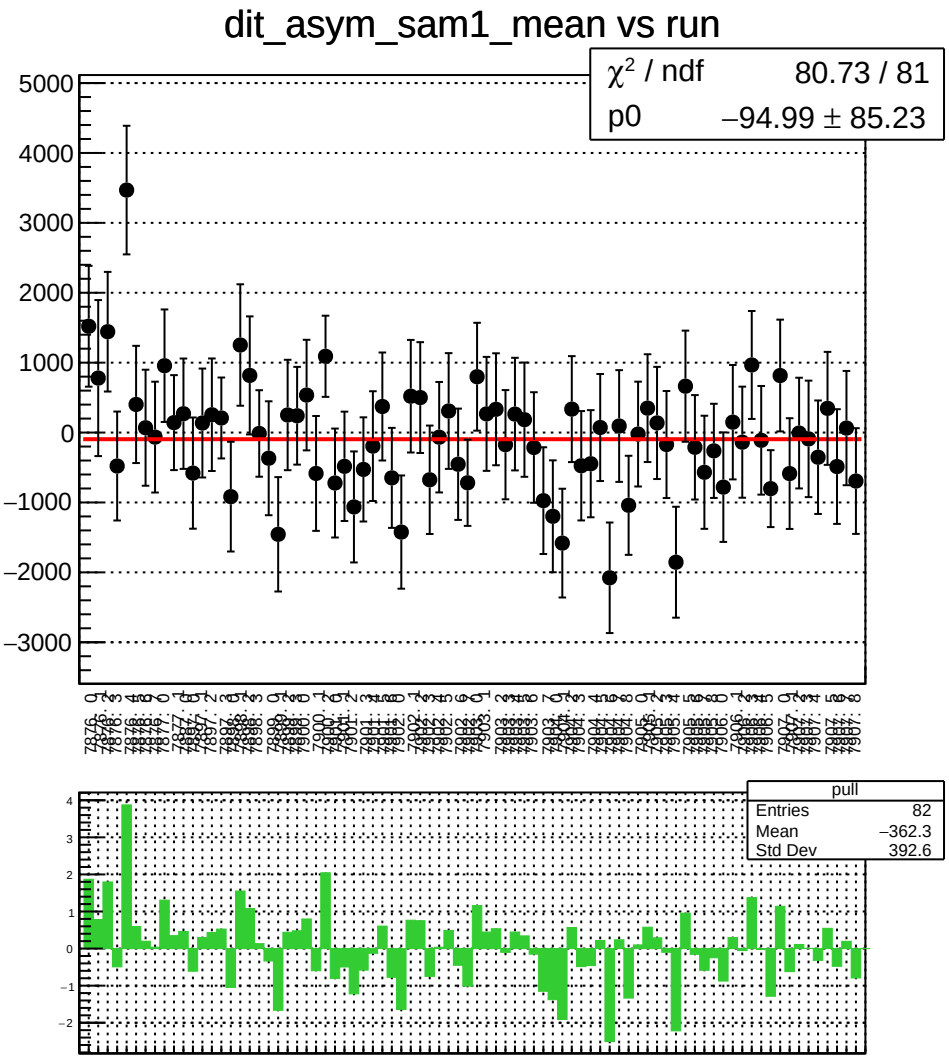
asym_atr2_correction_rms vs run

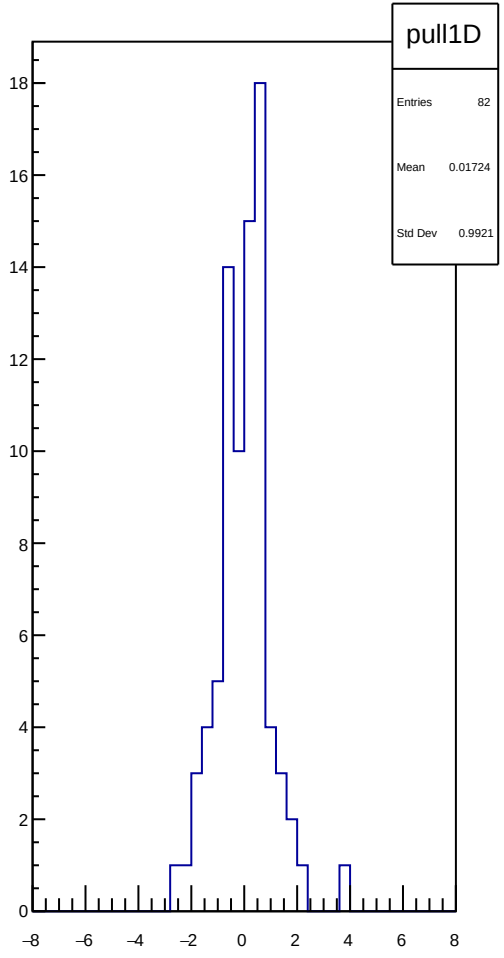



asym_atr2_mean vs run
×10^3
χ² / ndf 72.76 / 81
p0 −2.501e+04 ± 1.832e+04
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean −9.653
Std Dev 58.77
2
1
0
−1
−2

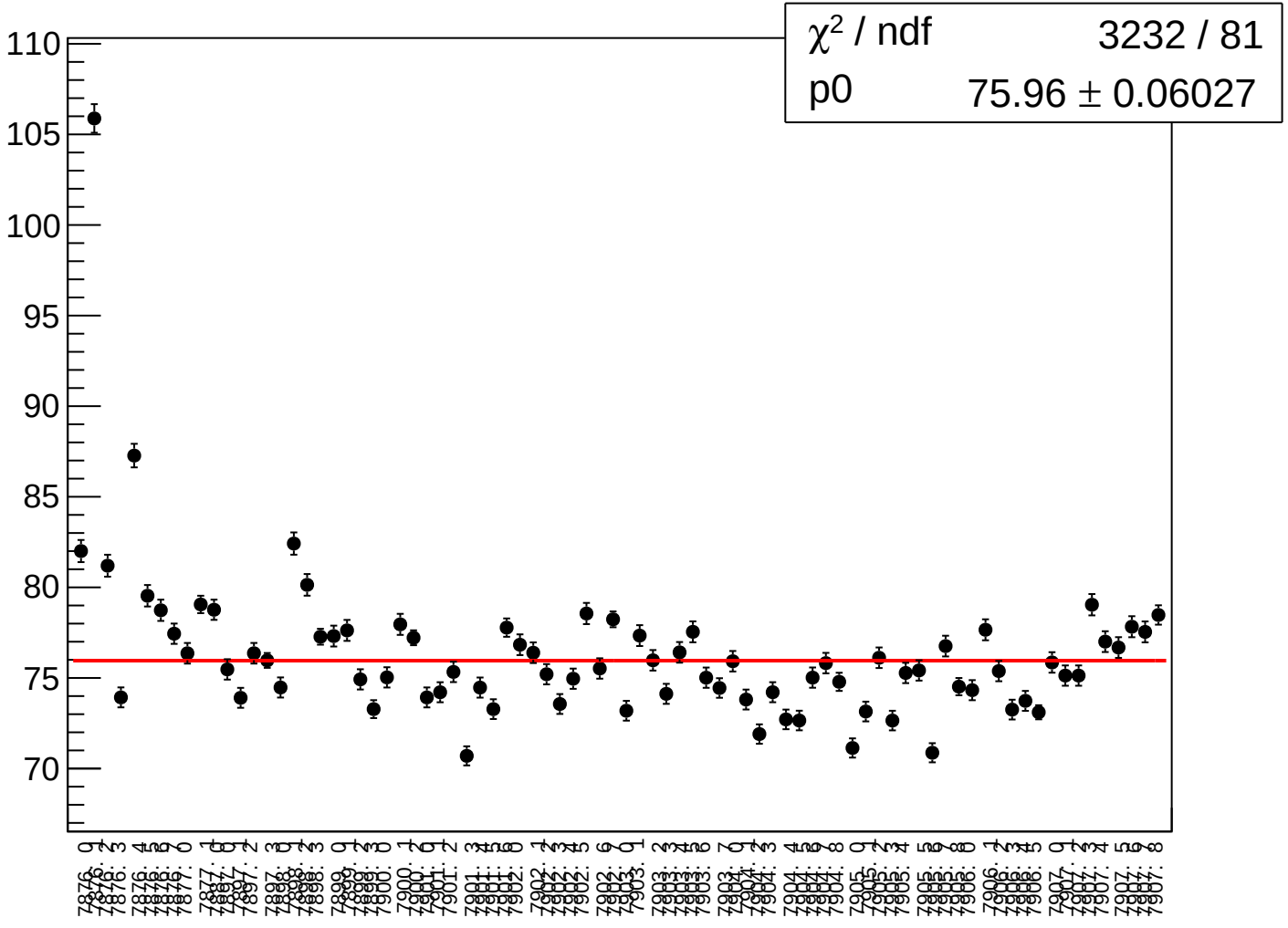

pull1D
Entries 82
Mean −0.01504
Std Dev 0.9419
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

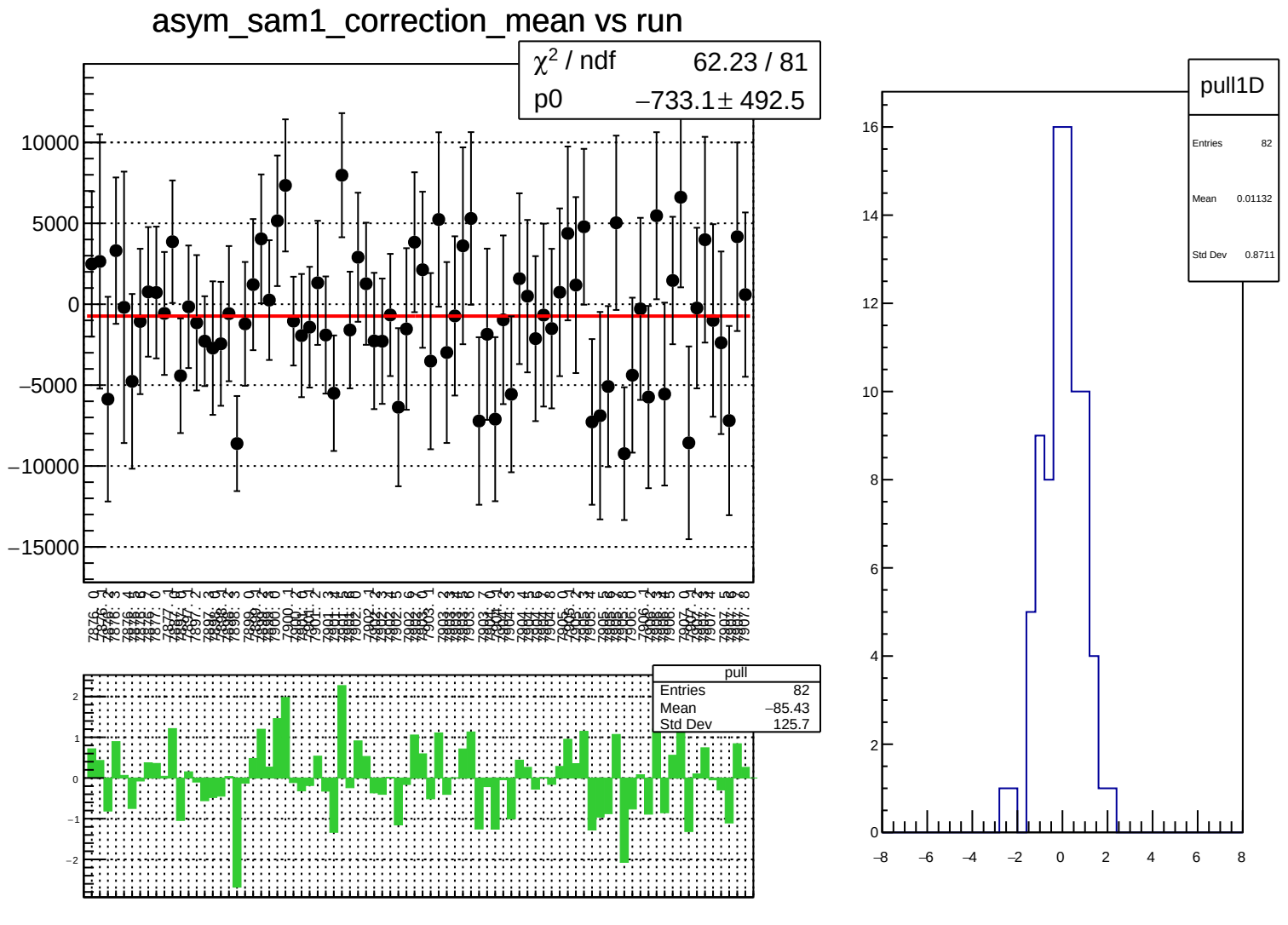

asym_atr2_rms vs run
χ² / ndf 3.453e+04 / 81
p0 1.616e+04 ± 12.95
22000
20000
18000
16000
14000
12000


dit_asym_sam1_mean vs run
χ² / ndf 80.73 / 81
p0 −94.99 ± 85.23
pull
Entries 82
Mean −362.3
Std Dev 392.6

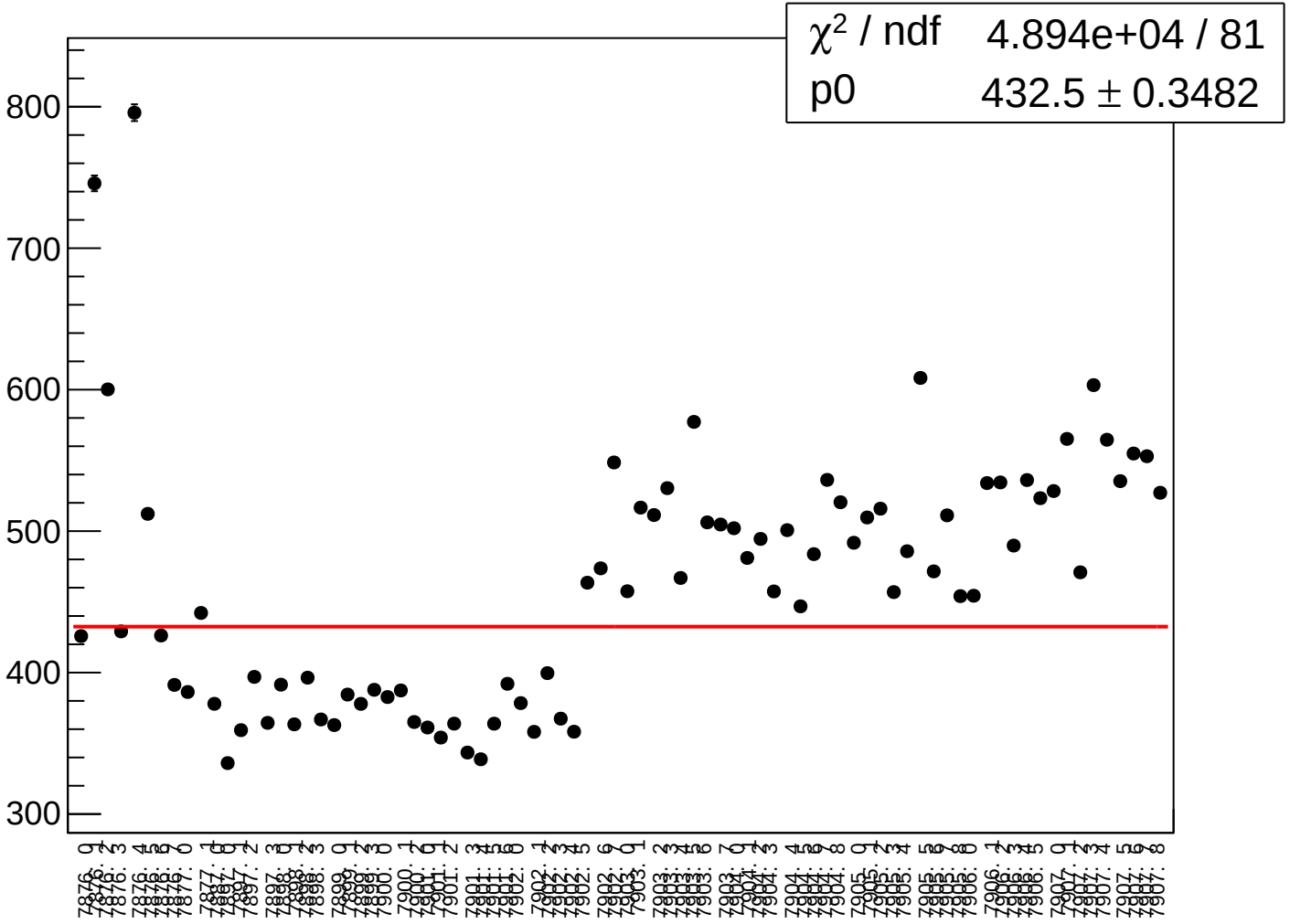

pull1D
Entries 82
Mean 0.01724
Std Dev 0.9921

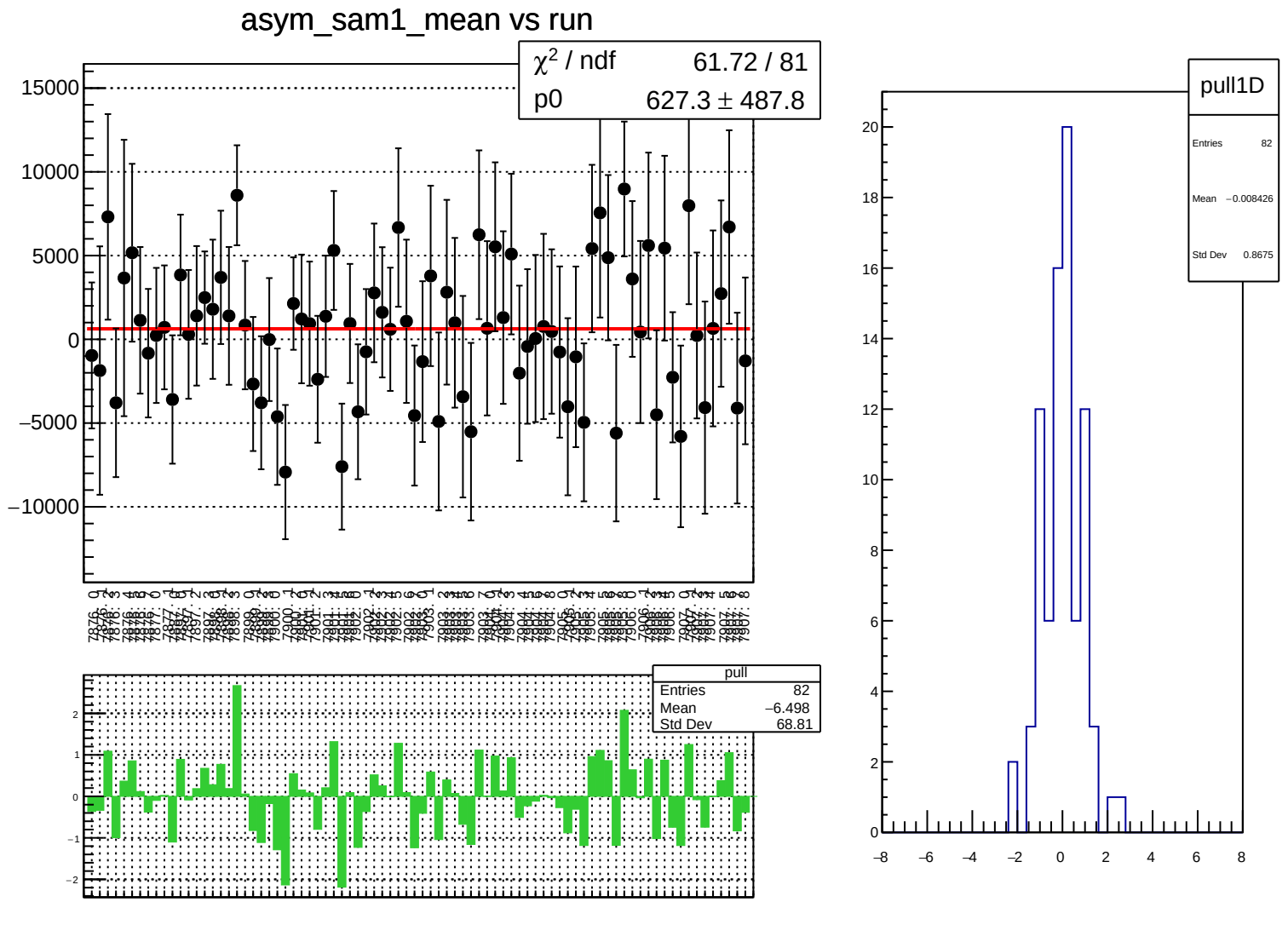
dit_asym_sam1_rms vs run

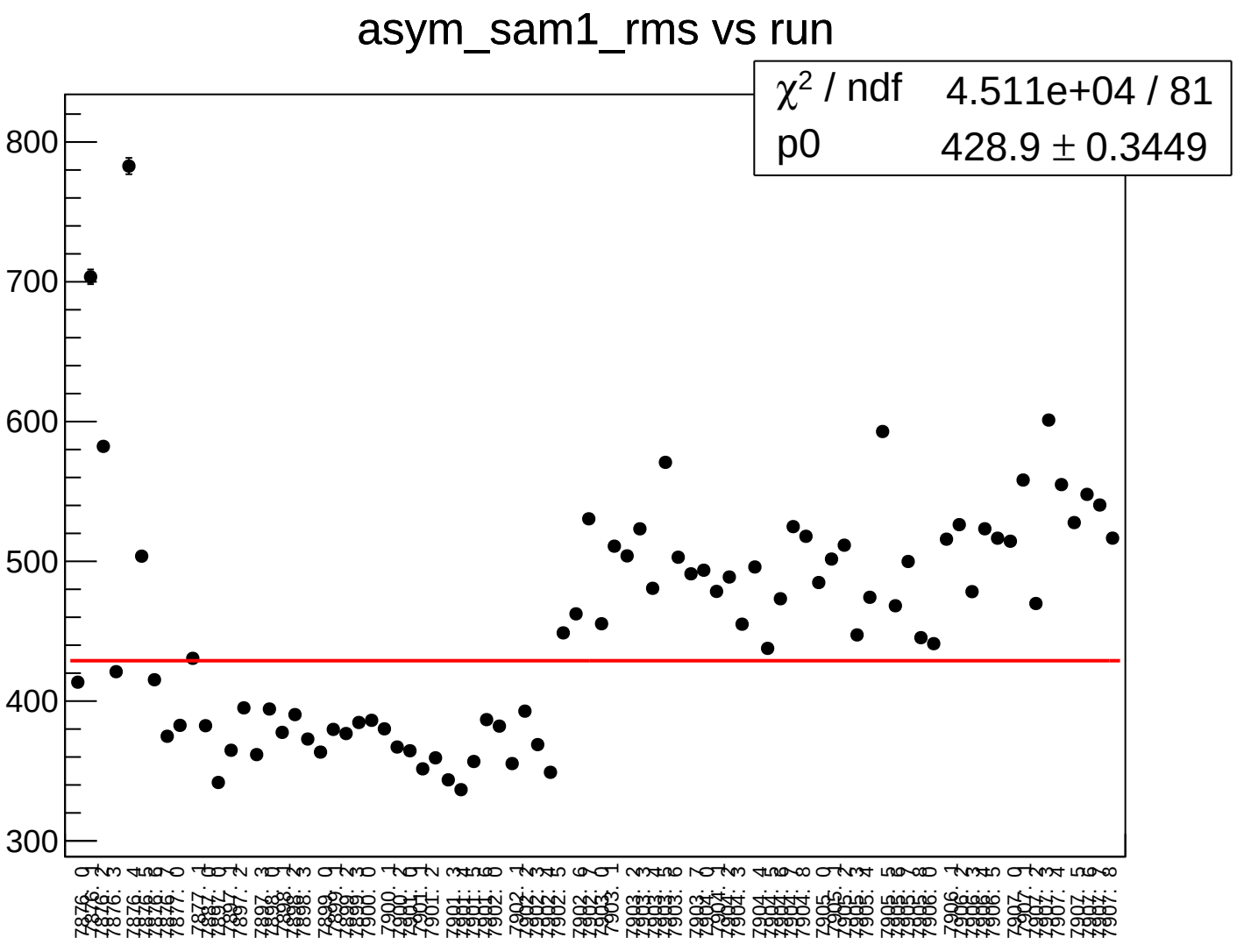


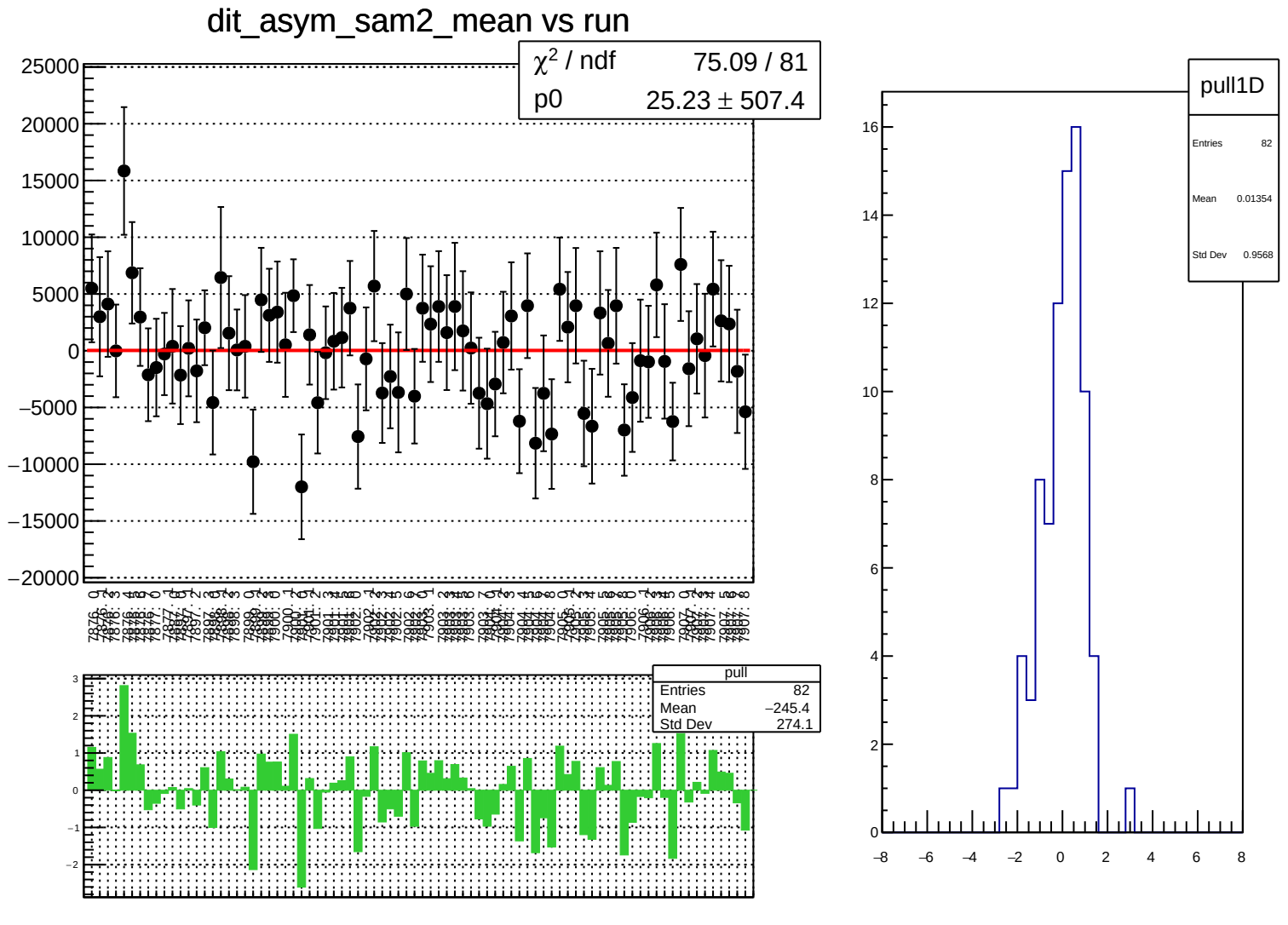

asym_sam1_correction_mean vs run
χ² / ndf 62.23 / 81
p0 −733.1 ± 492.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −85.43
Std Dev 125.7
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01132
Std Dev 0.8711
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_correction_rms vs run

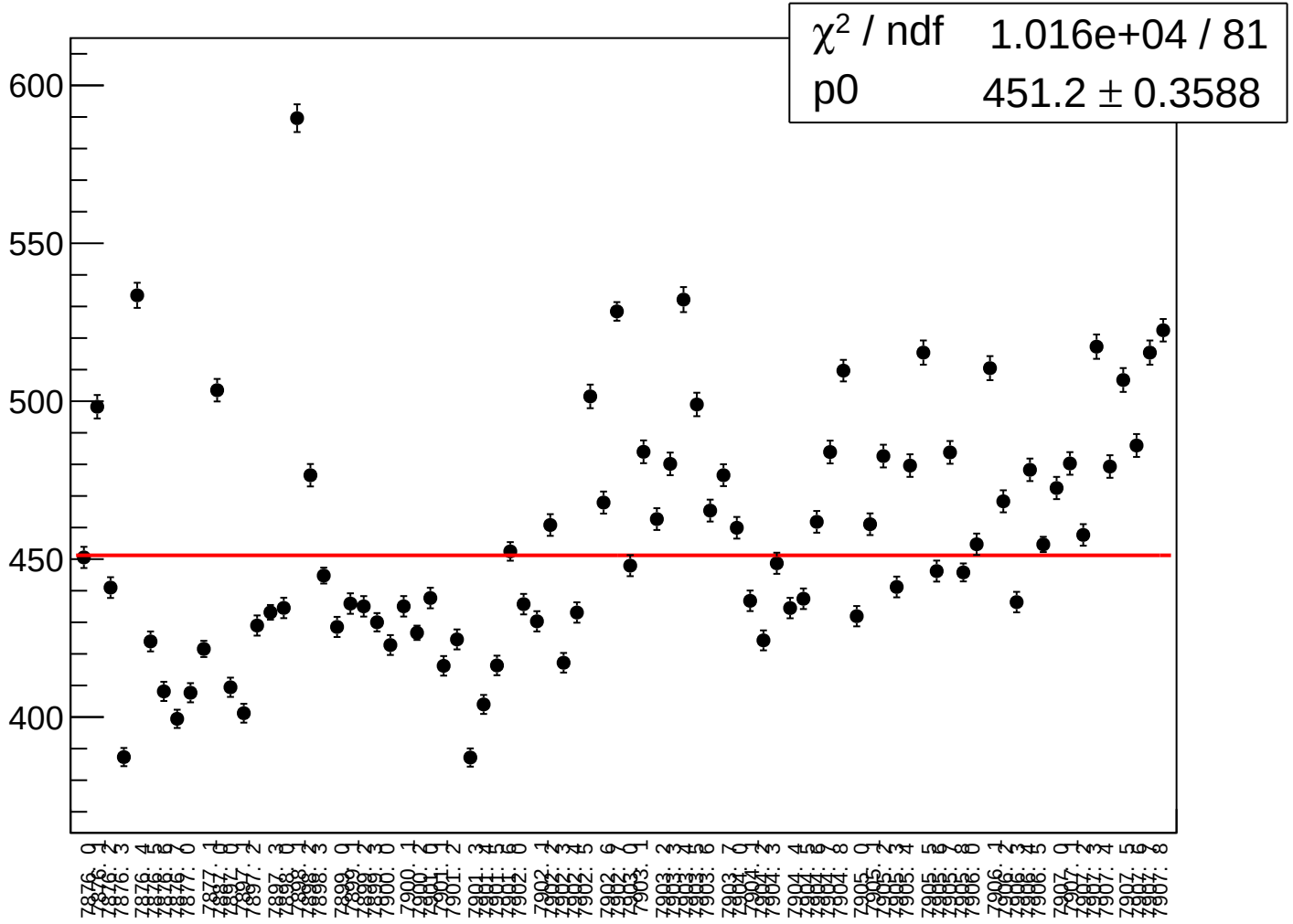


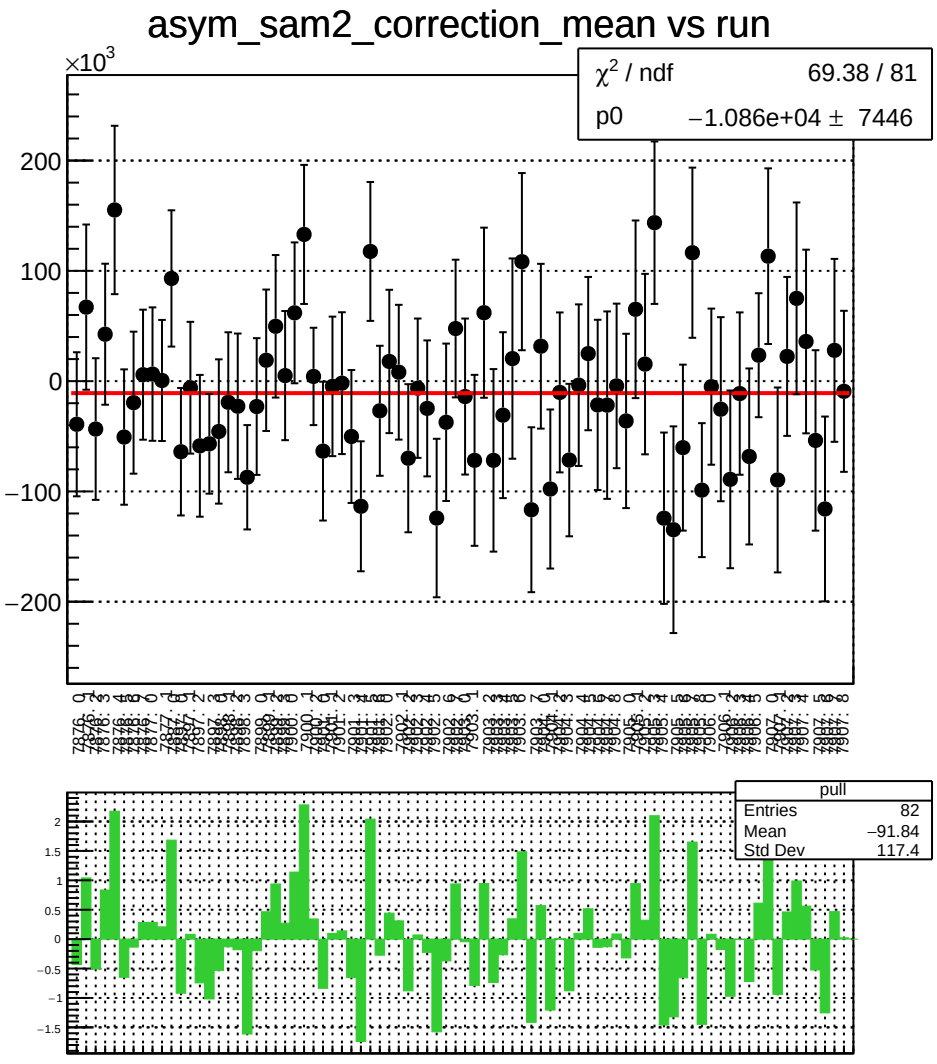

asym_sam1_mean vs run
χ² / ndf 61.72 / 81
p0 627.3 ± 487.8
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −6.498
Std Dev 68.81
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.008426
Std Dev 0.8675
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

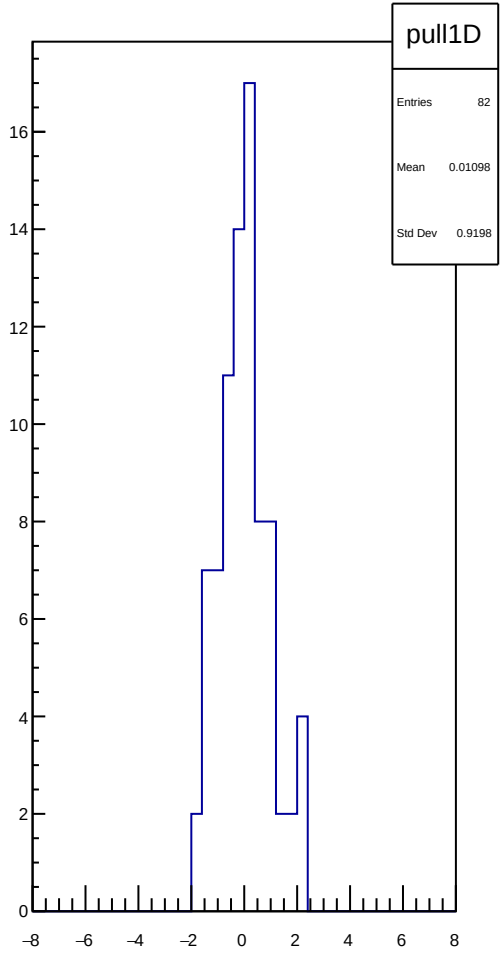

asym_sam1_rms vs run
χ^2 / ndf 4.511e+04 / 81
p0 428.9 ± 0.3449
800
700
600
500
400
300


dit_asym_sam2_mean vs run
χ² / ndf 75.09 / 81
p0 25.23 ± 507.4
pull
Entries 82
Mean −245.4
Std Dev 274.1
pull1D
Entries 82
Mean 0.01354
Std Dev 0.9568

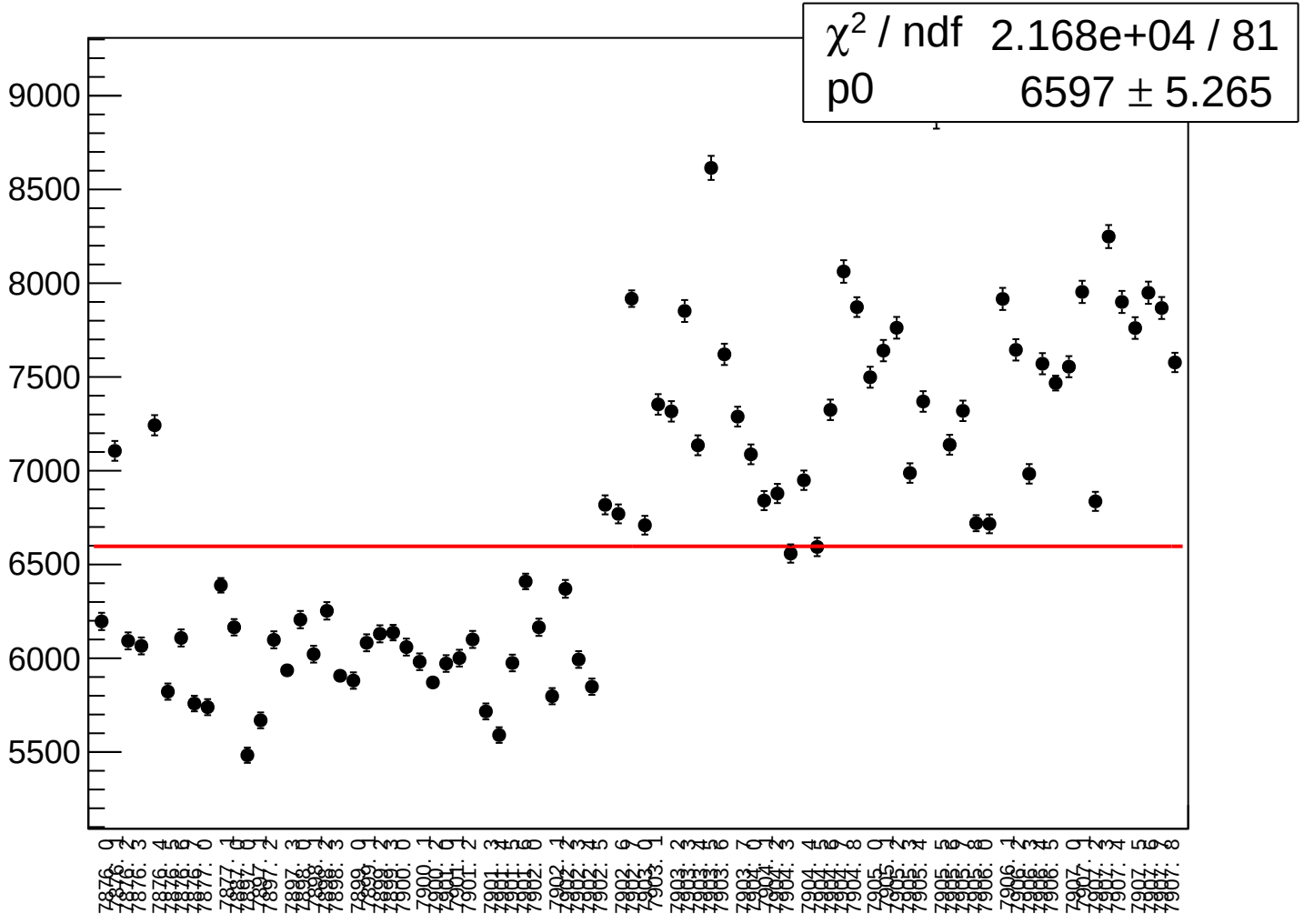
dit_asym_sam2_rms vs run

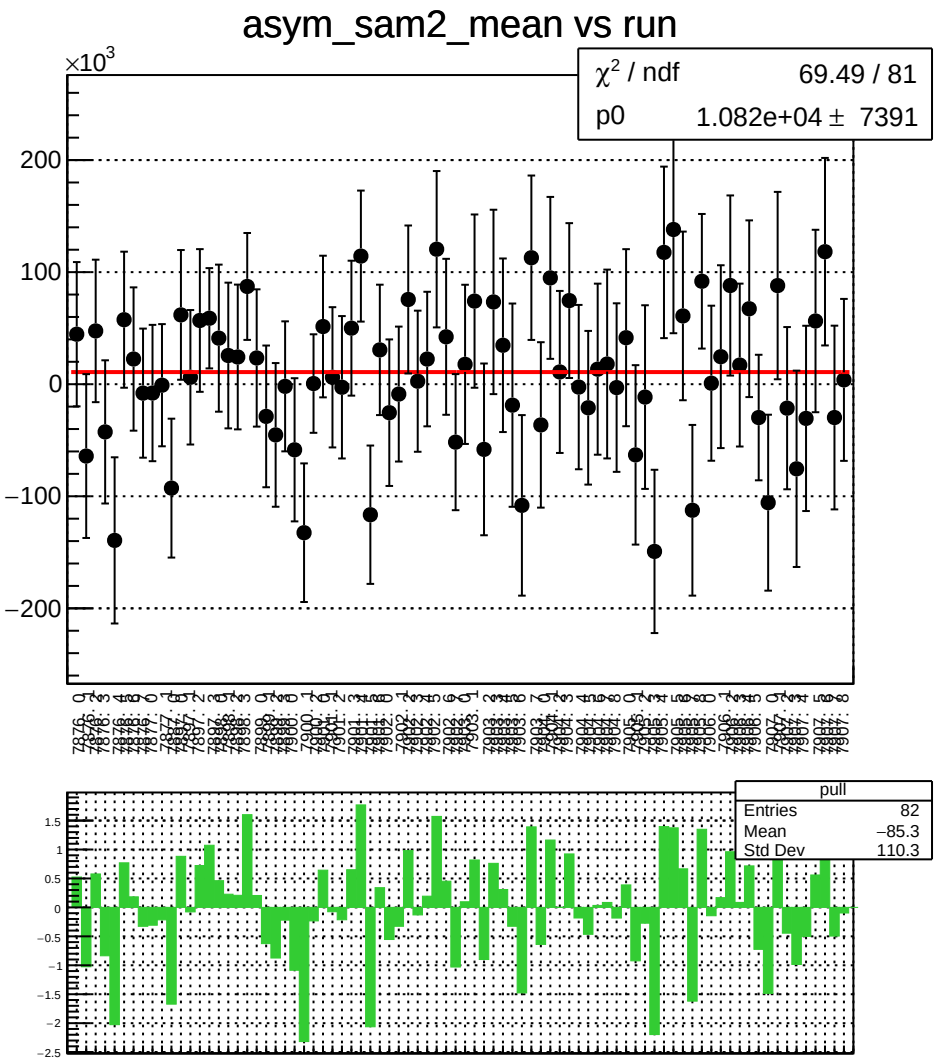


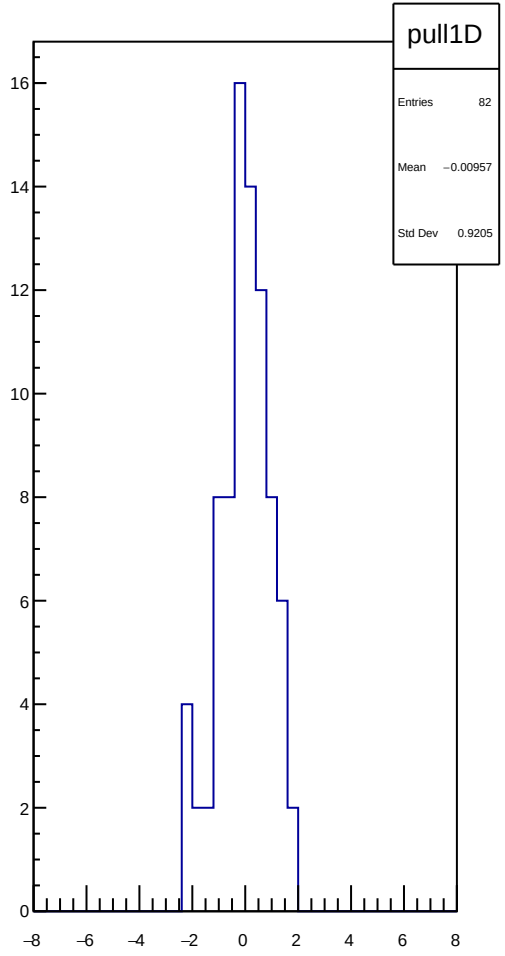

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 69.38 / 81
p0 −1.086e+04 ± 7446
pull
Entries 82
Mean −91.84
Std Dev 117.4

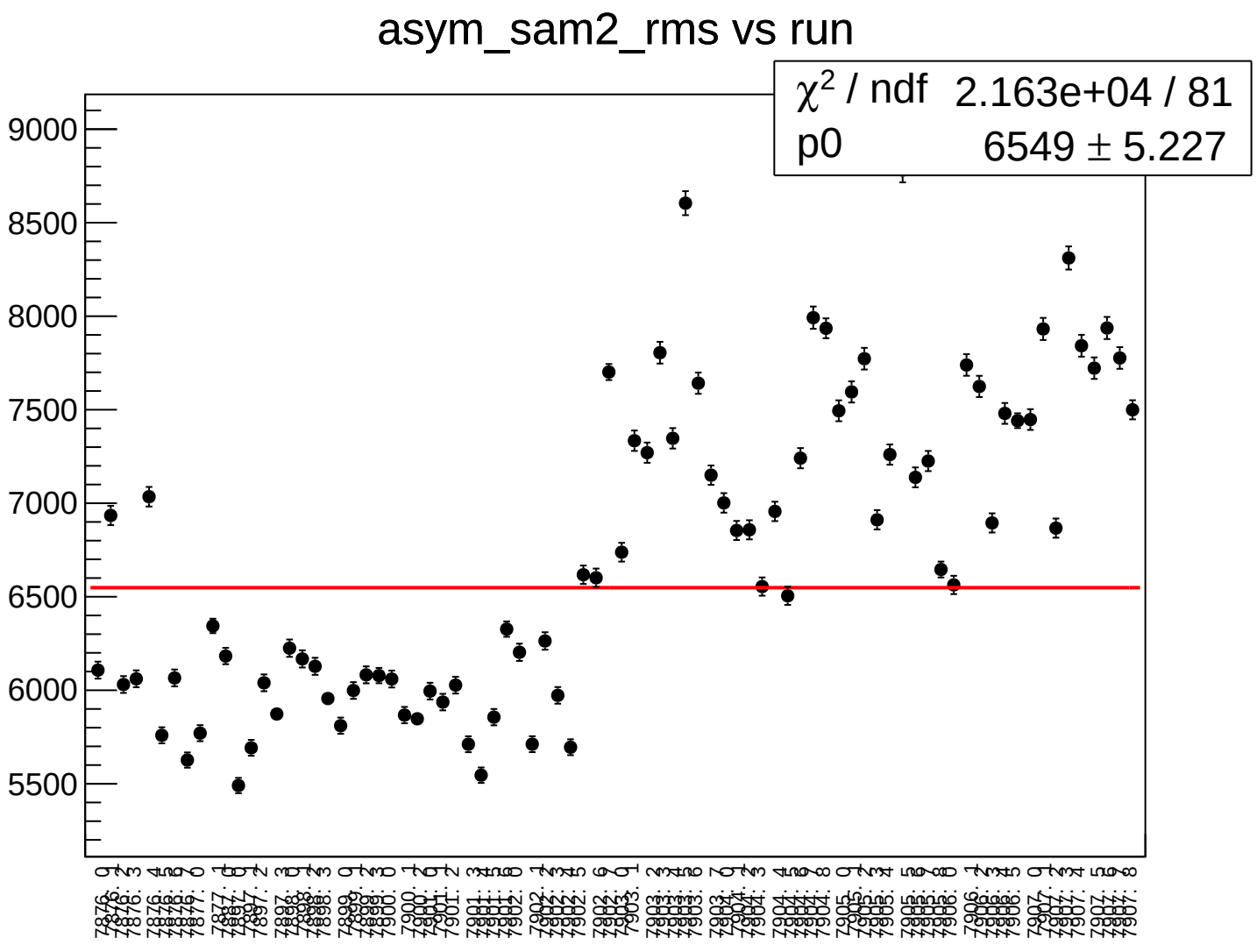

pull1D
Entries 82
Mean 0.01098
Std Dev 0.9198

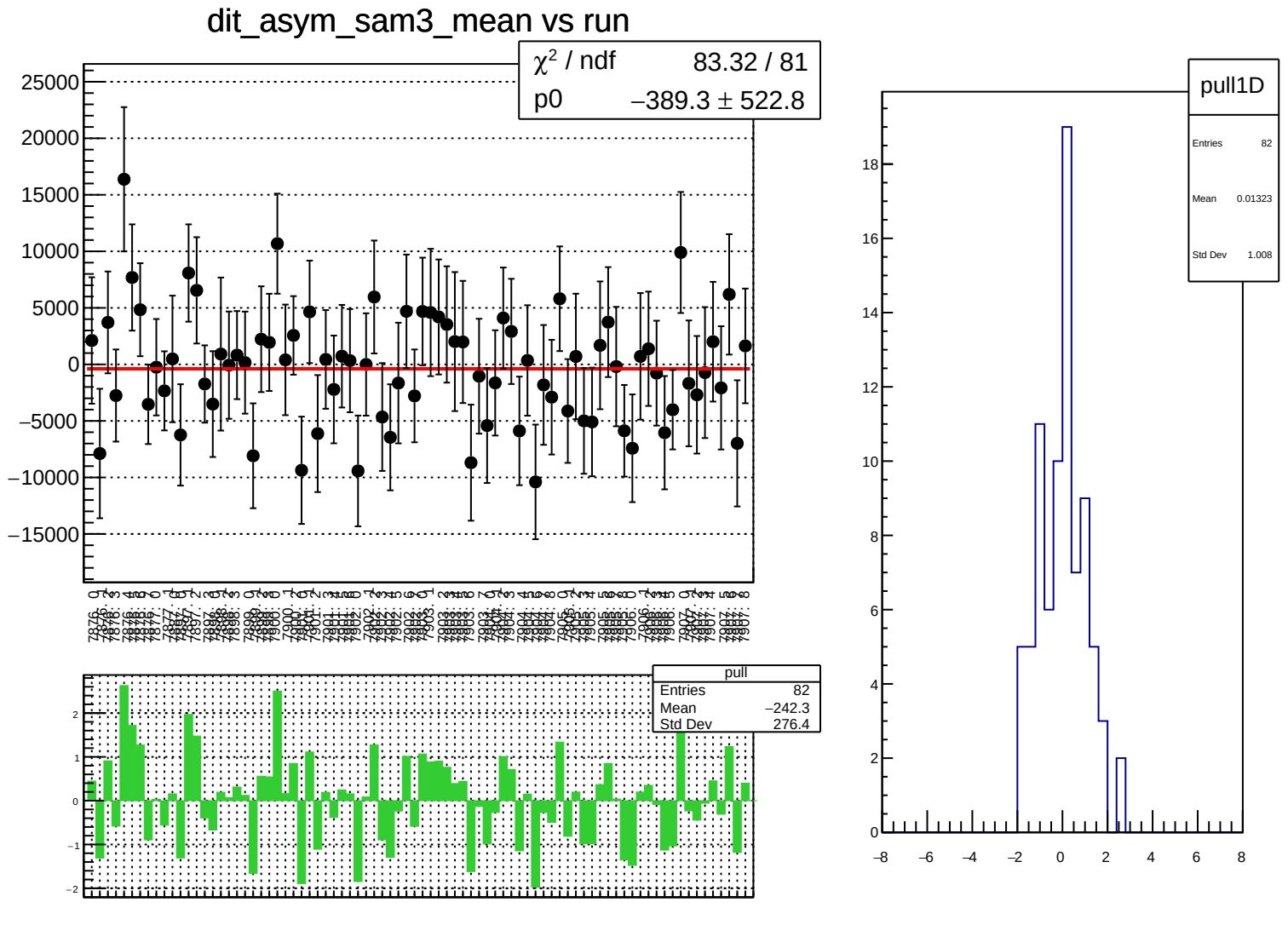
asym_sam2_correction_rms vs run



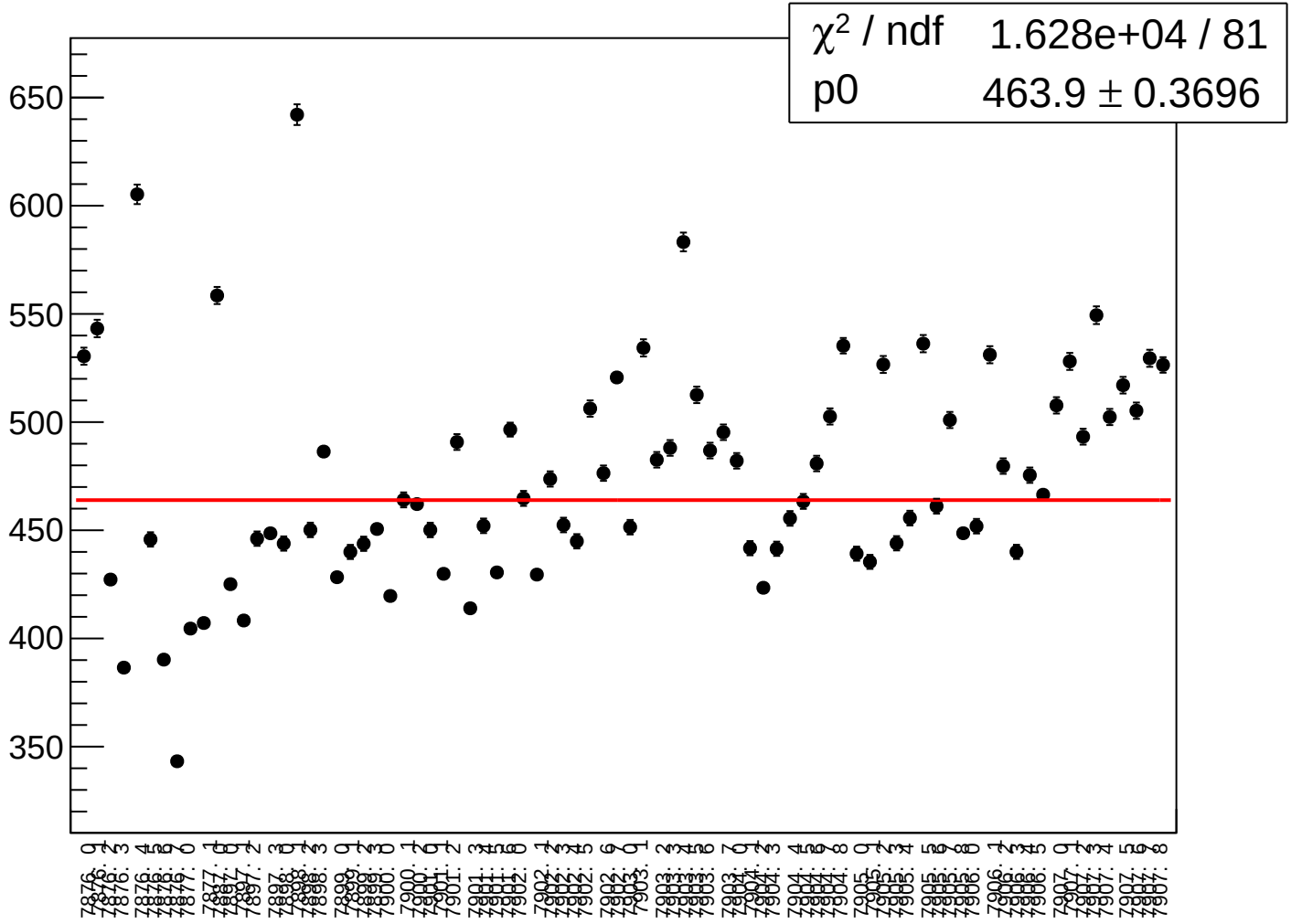

asym_sam2_mean vs run
×10^3
χ² / ndf 69.49 / 81
p0 1.082e+04 ± 7391
pull
Entries 82
Mean −85.3
Std Dev 110.3

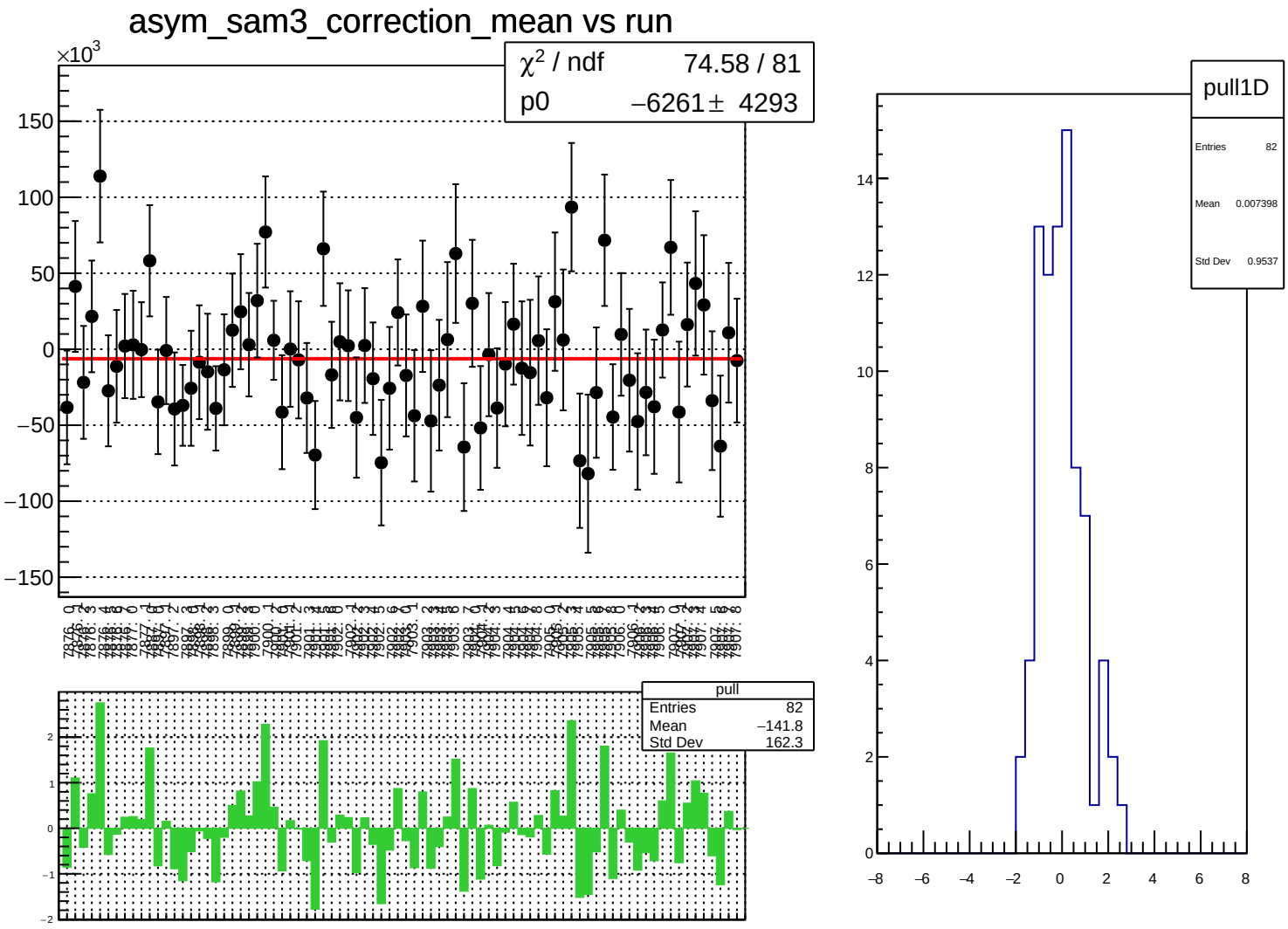

pull1D
Entries 82
Mean −0.00957
Std Dev 0.9205


asym_sam2_rms vs run
χ2 / ndf 2.163e+04 / 81
p0 6549 ± 5.227
9000
8500
8000
7500
7000
6500
6000
5500

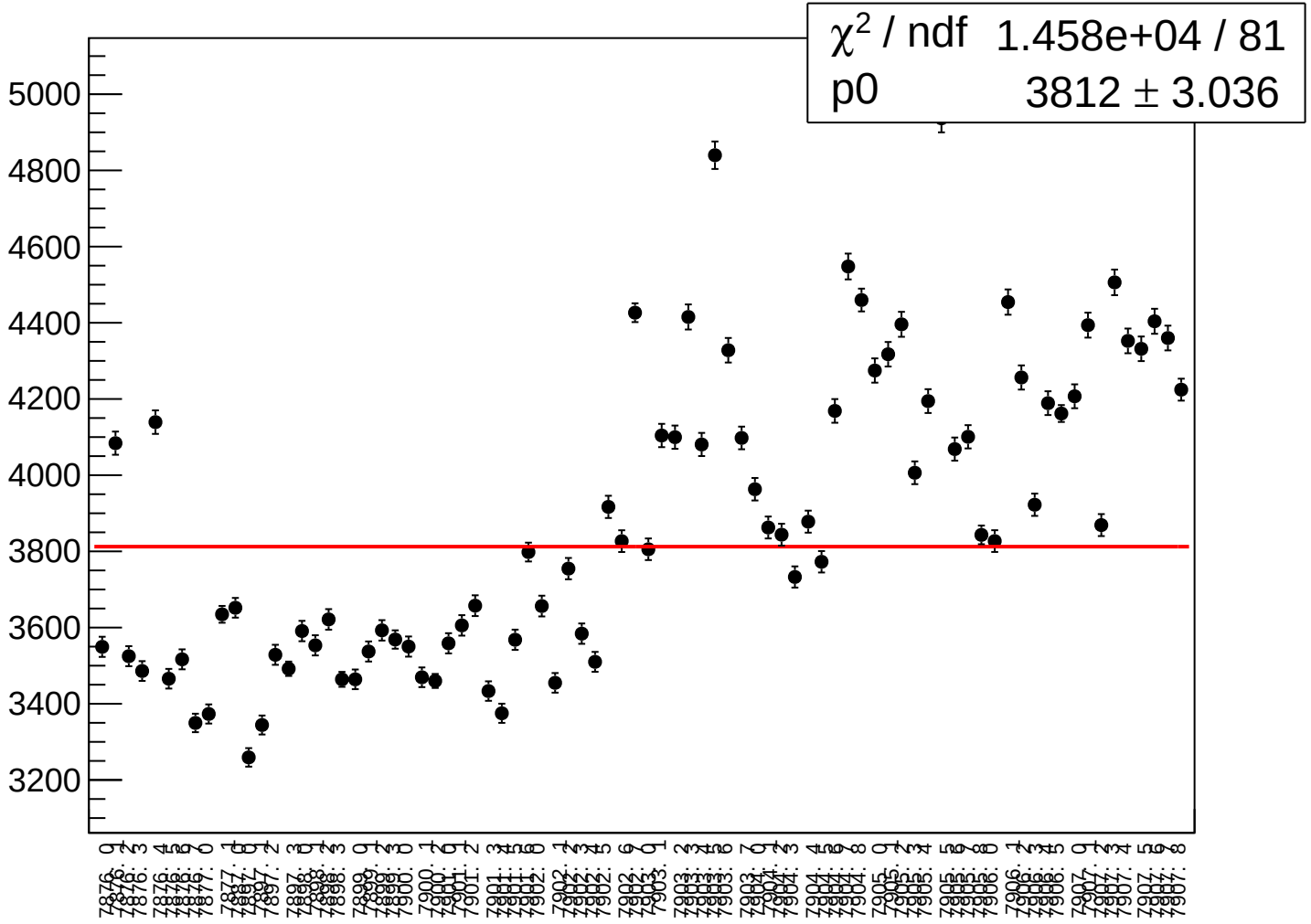

dit_asym_sam3_mean vs run
χ² / ndf 83.32 / 81
p0 −389.3 ± 522.8
pull
Entries 82
Mean −242.3
Std Dev 276.4
pull1D
Entries 82
Mean 0.01323
Std Dev 1.008

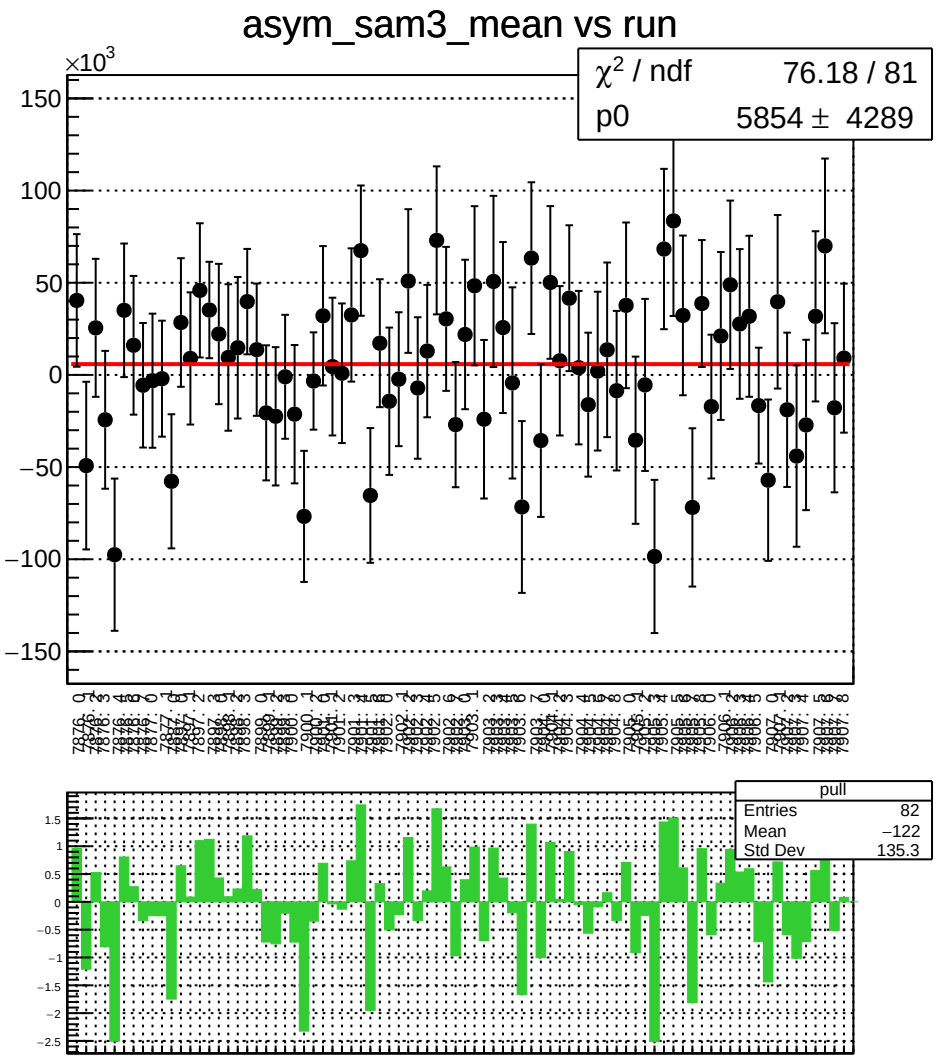
dit_asym_sam3_rms vs run

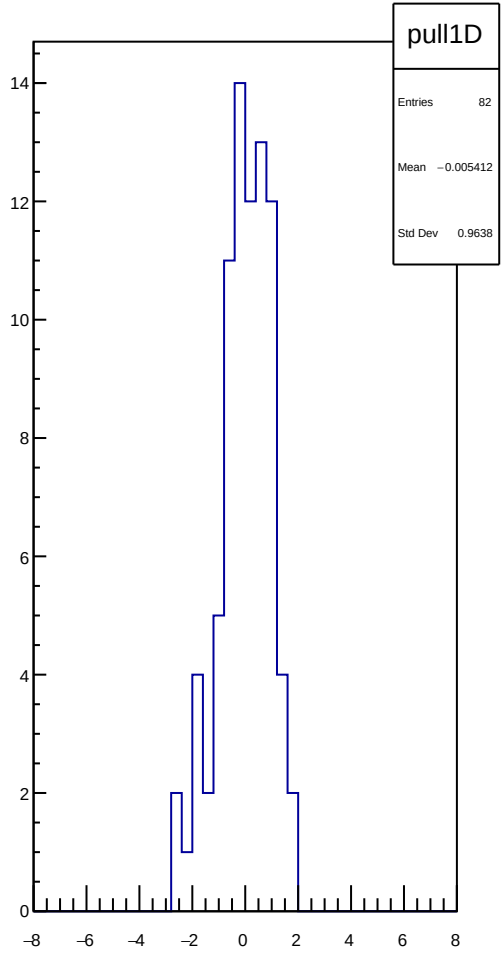



asym_sam3_correction_mean vs run
×10^3
χ^2 / ndf 74.58 / 81
p0 −6261 ± 4293
pull
Entries 82
Mean −141.8
Std Dev 162.3
pull1D
Entries 82
Mean 0.007398
Std Dev 0.9537

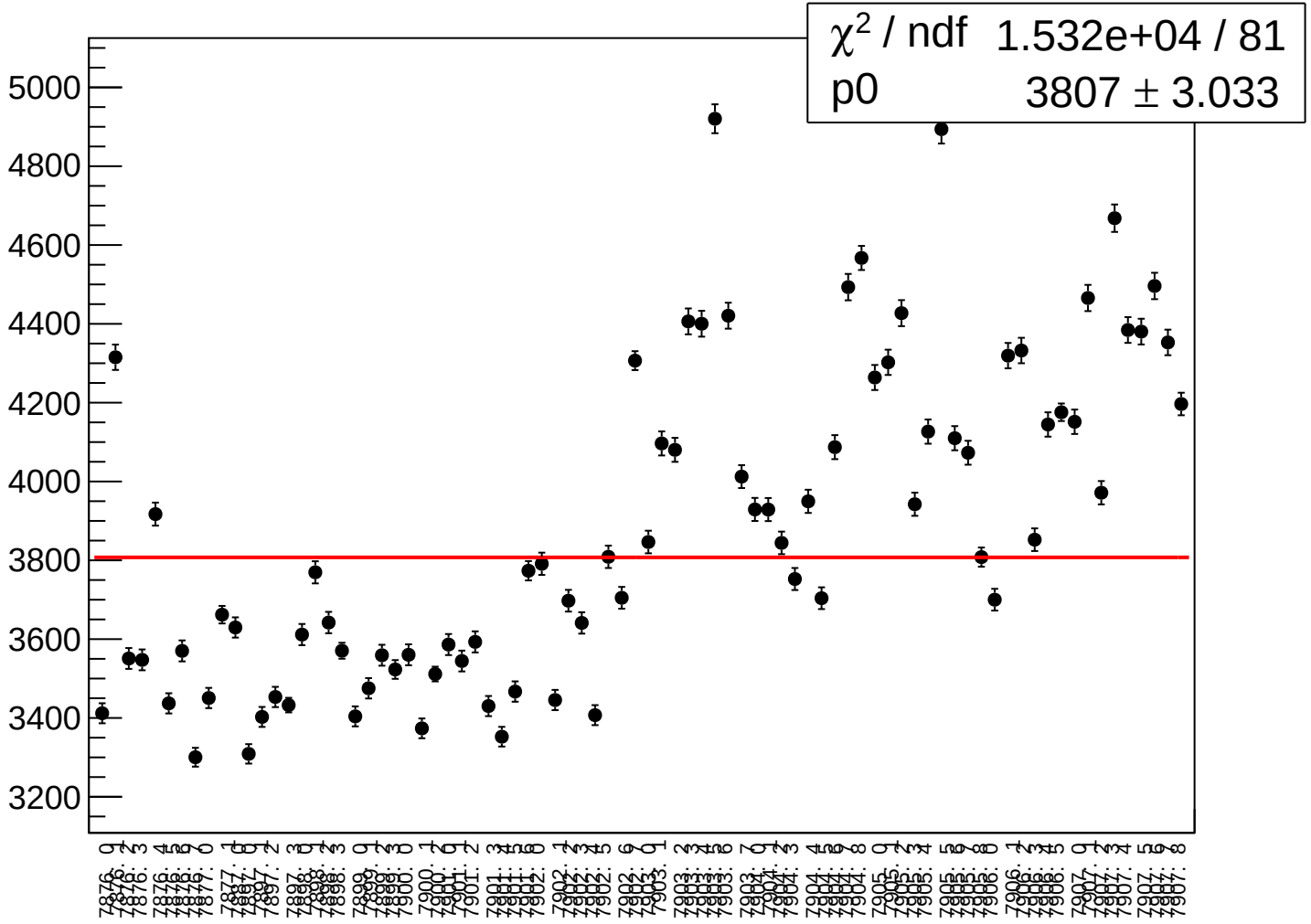
asym_sam3_correction_rms vs run

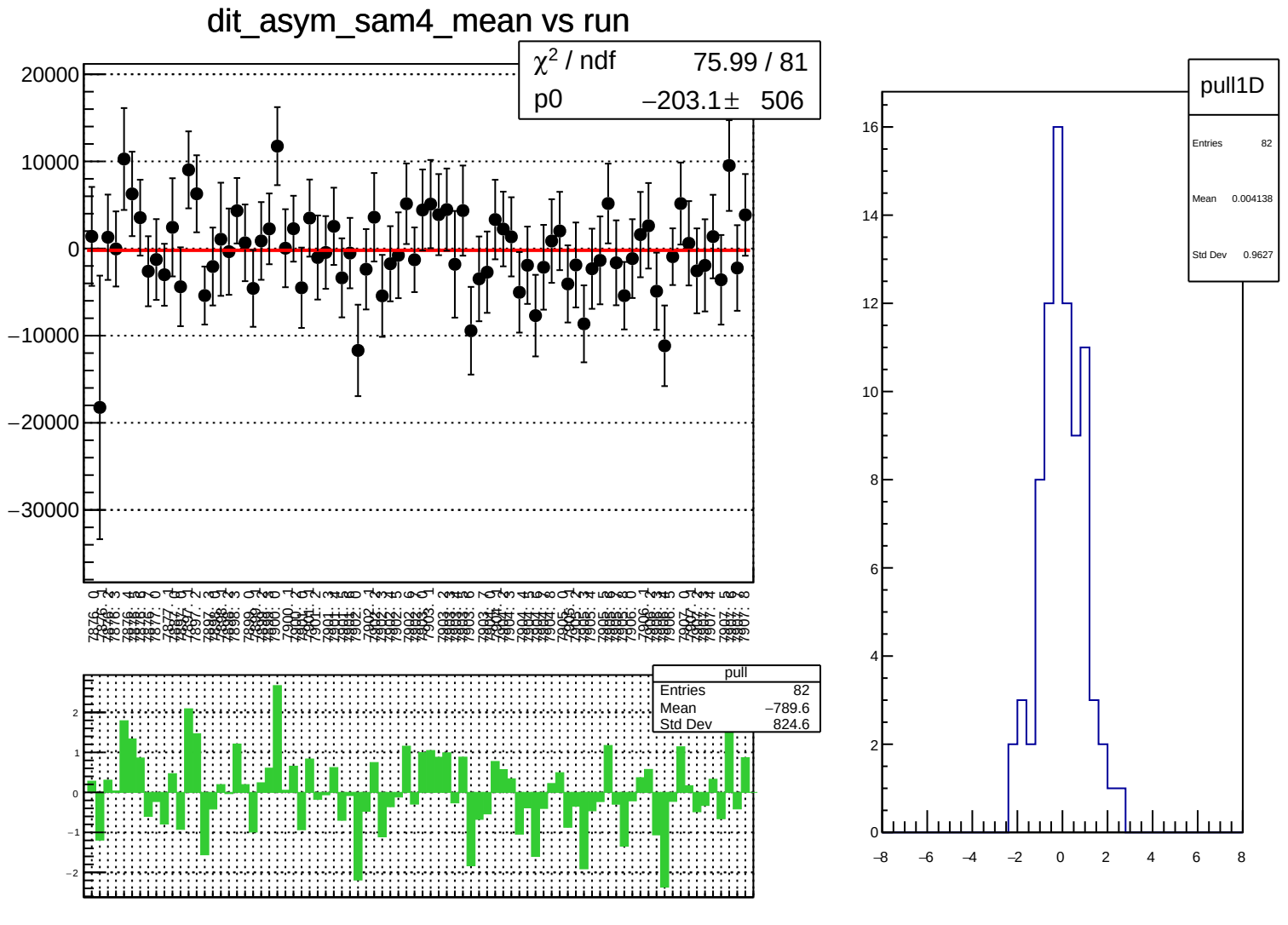



asym_sam3_mean vs run
×10^3
χ^2 / ndf 76.18 / 81
p0 5854 ± 4289
pull
Entries 82
Mean −122
Std Dev 135.3

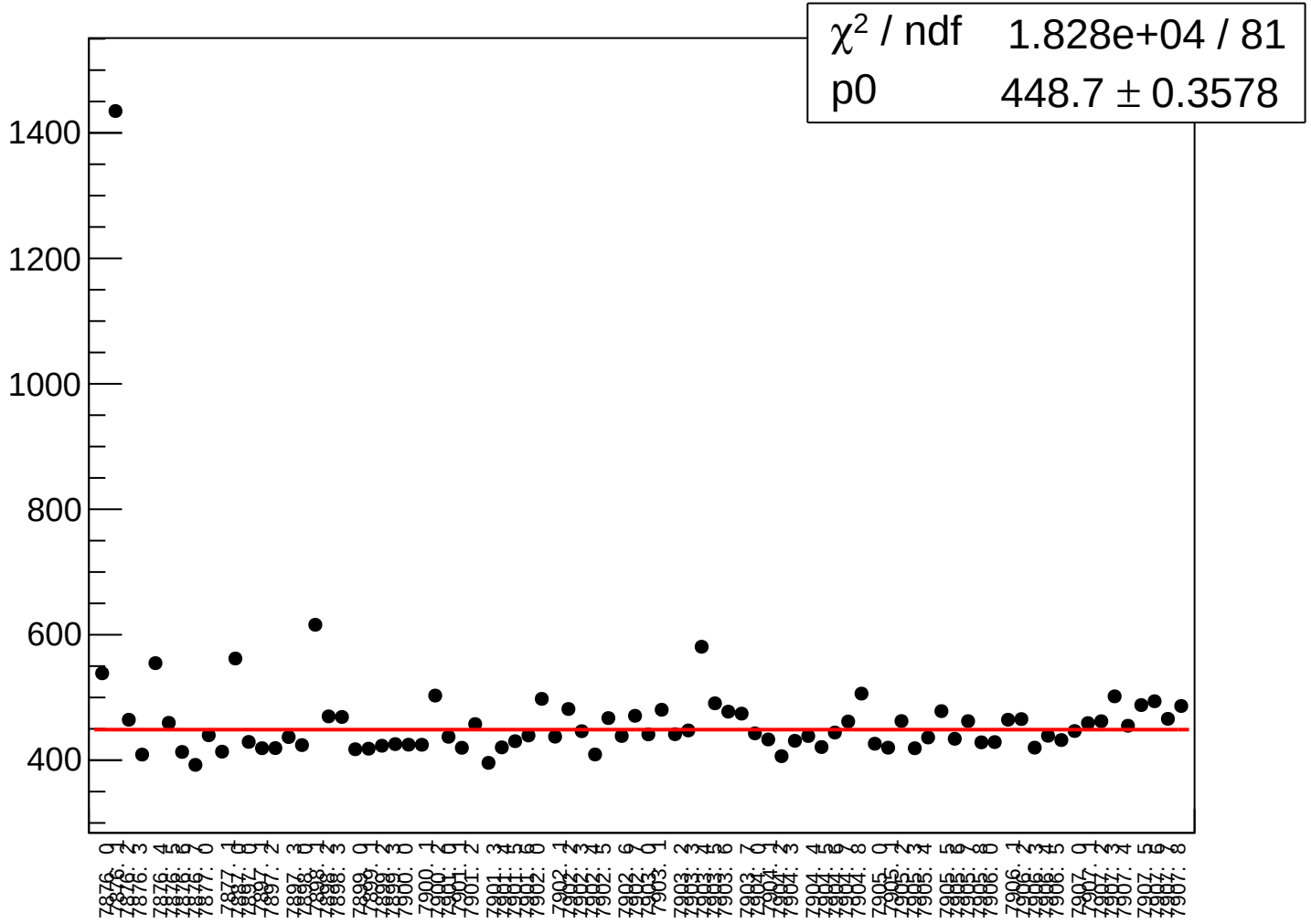

pull1D
Entries 82
Mean −0.005412
Std Dev 0.9638

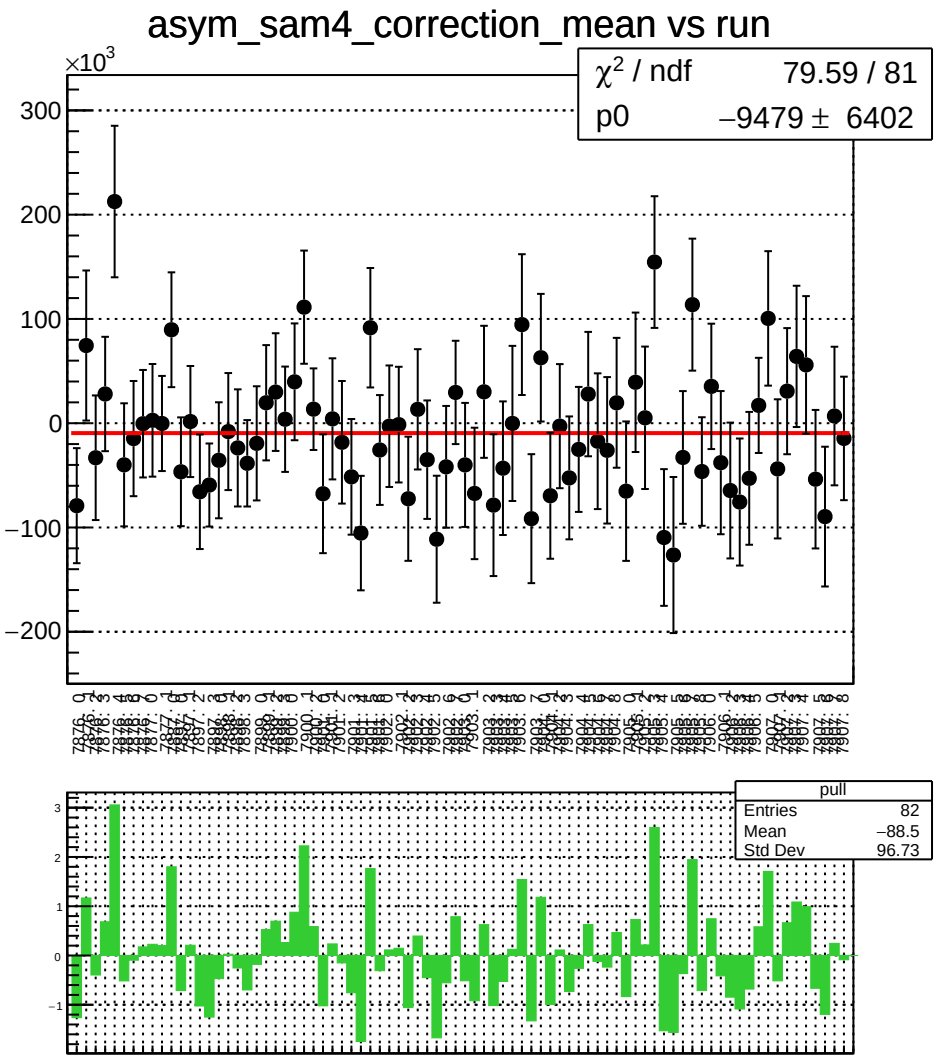
asym_sam3_rms vs run

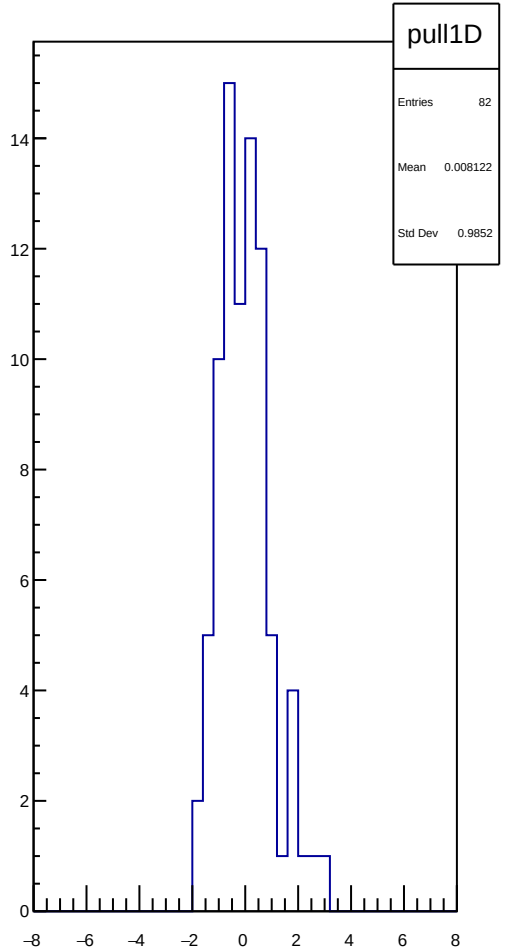



dit_asym_sam4_mean vs run
χ² / ndf 75.99 / 81
p0 −203.1 ± 506
pull
Entries 82
Mean −789.6
Std Dev 824.6
pull1D
Entries 82
Mean 0.004138
Std Dev 0.9627

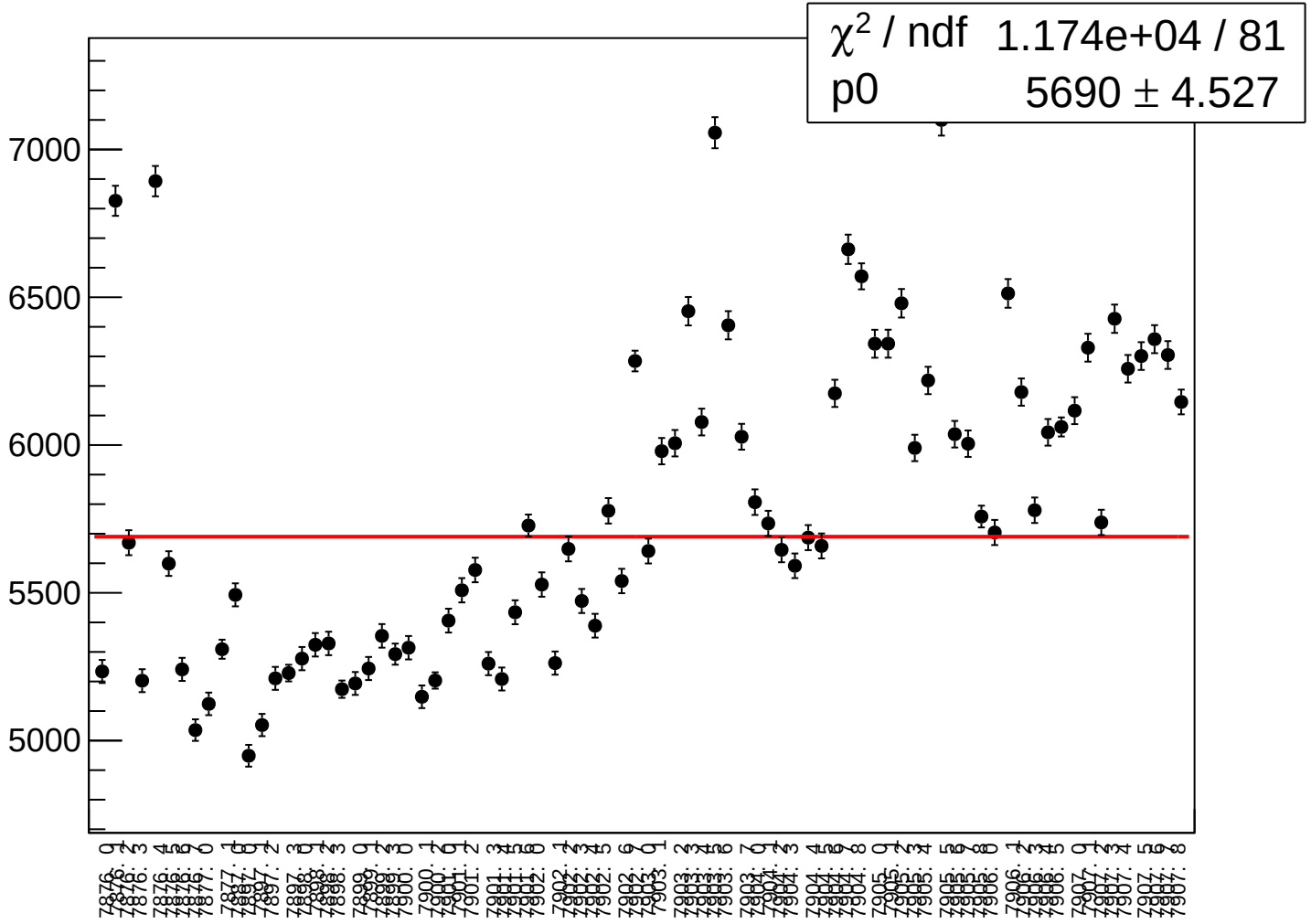
dit_asym_sam4_rms vs run

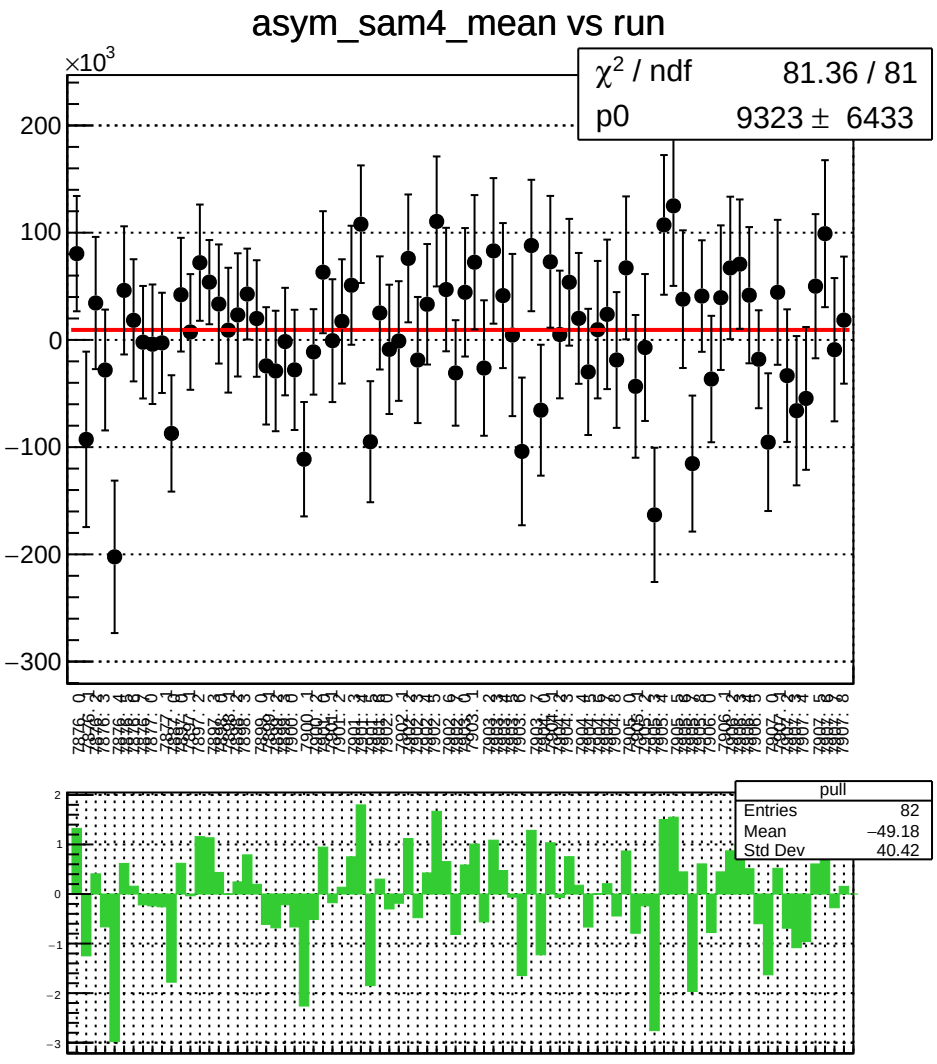


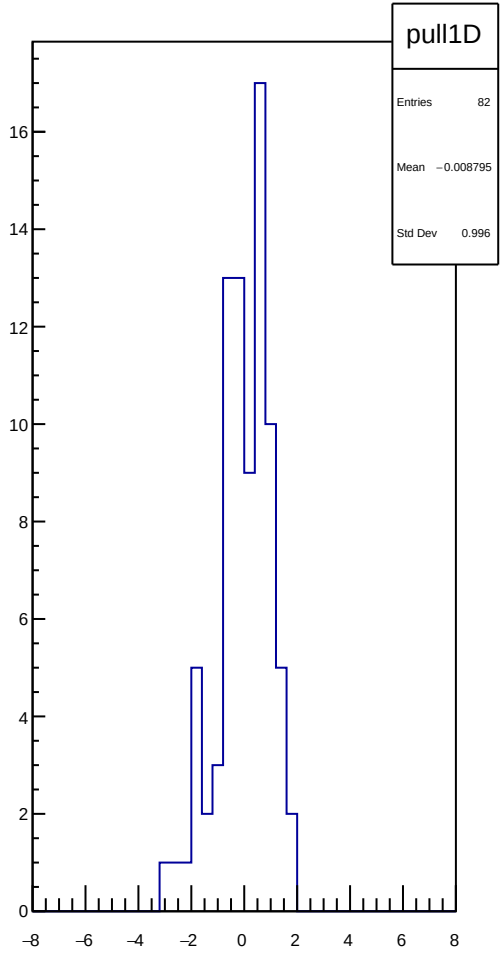

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 79.59 / 81
p0 −9479 ± 6402
pull
Entries 82
Mean −88.5
Std Dev 96.73

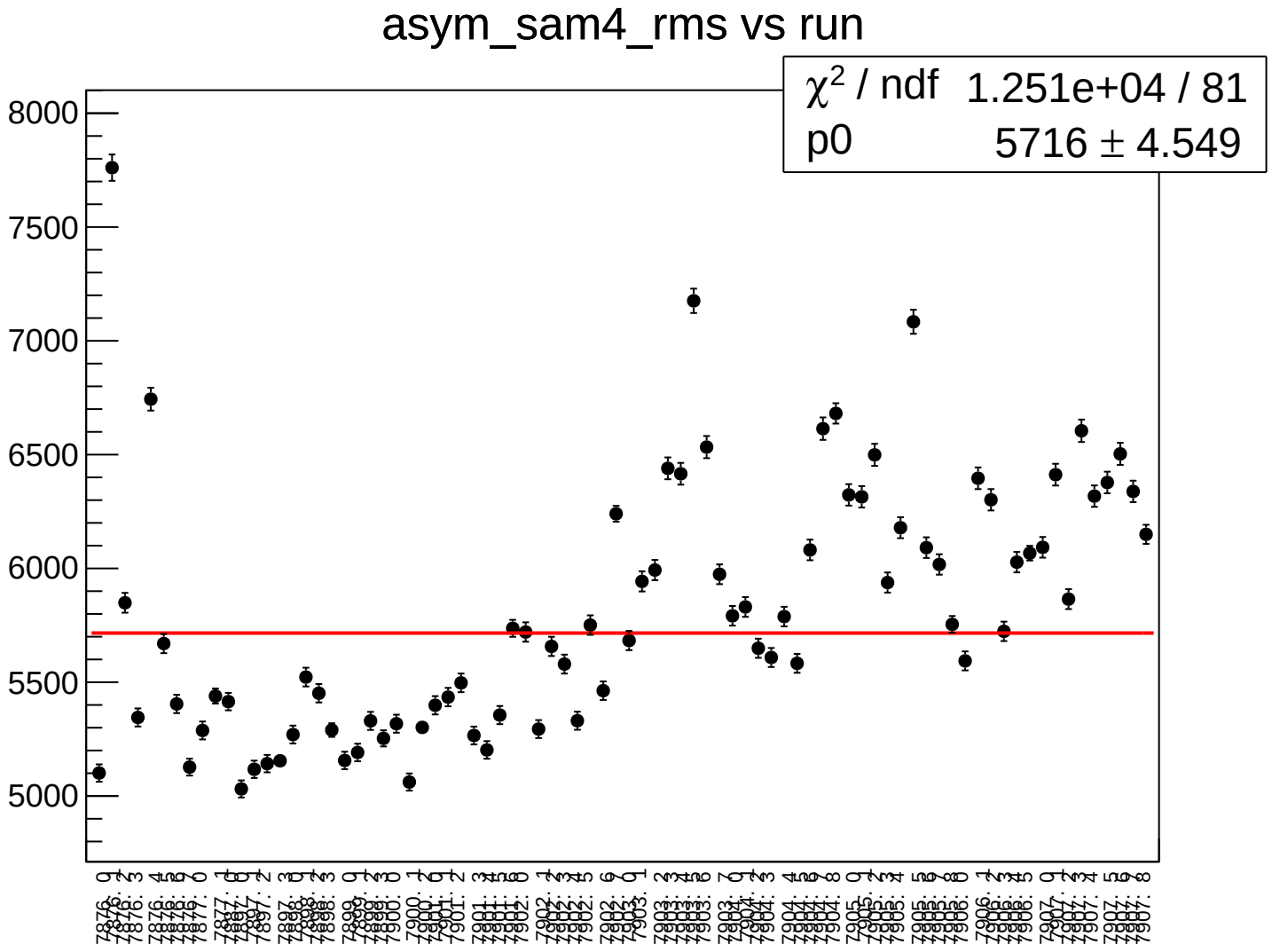

pull1D
Entries 82
Mean 0.008122
Std Dev 0.9852

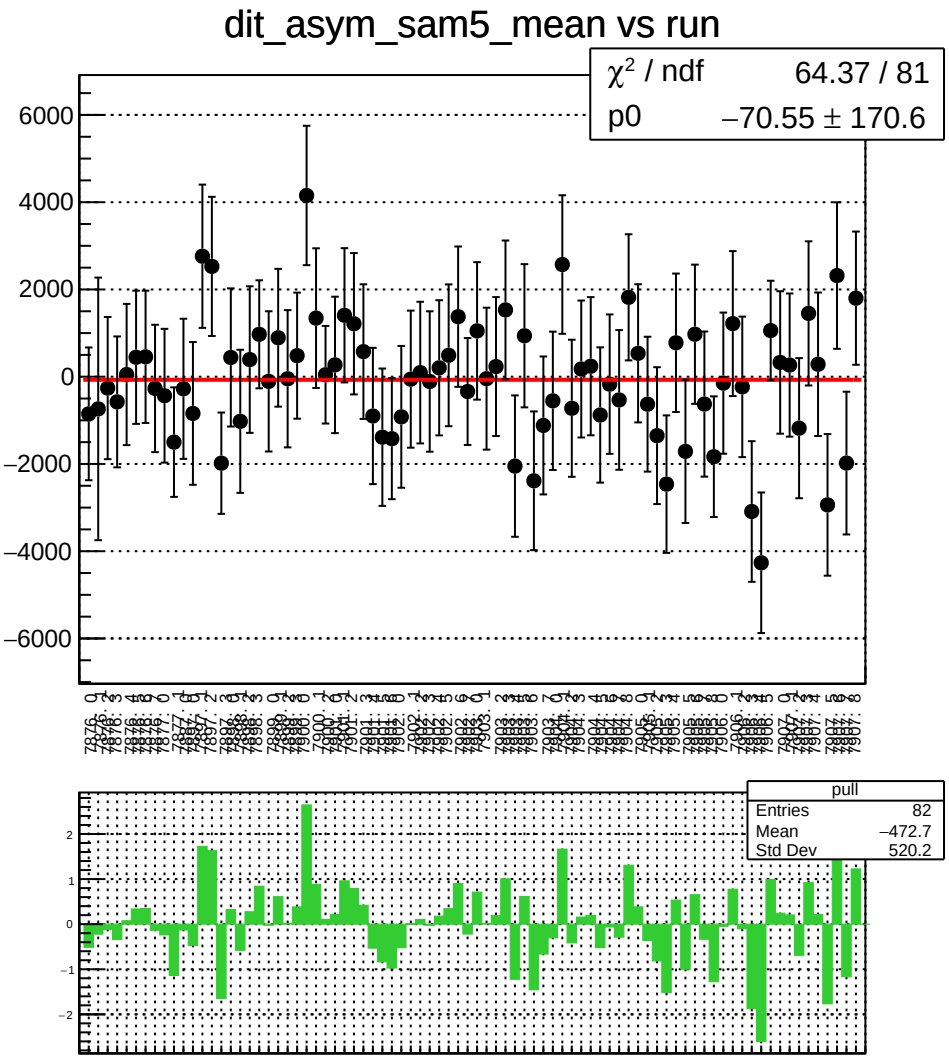
asym_sam4_correction_rms vs run

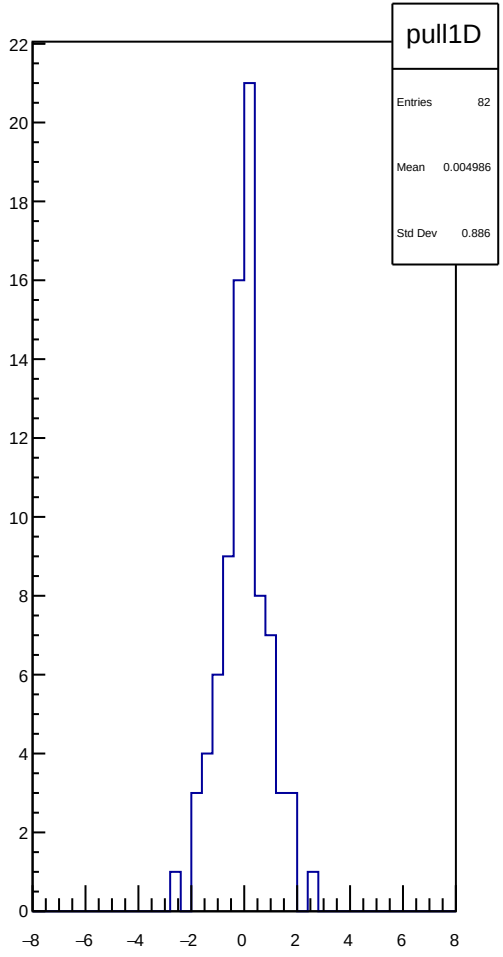



asym_sam4_mean vs run
×10^3
χ² / ndf 81.36 / 81
p0 9323 ± 6433
pull
Entries 82
Mean −49.18
Std Dev 40.42

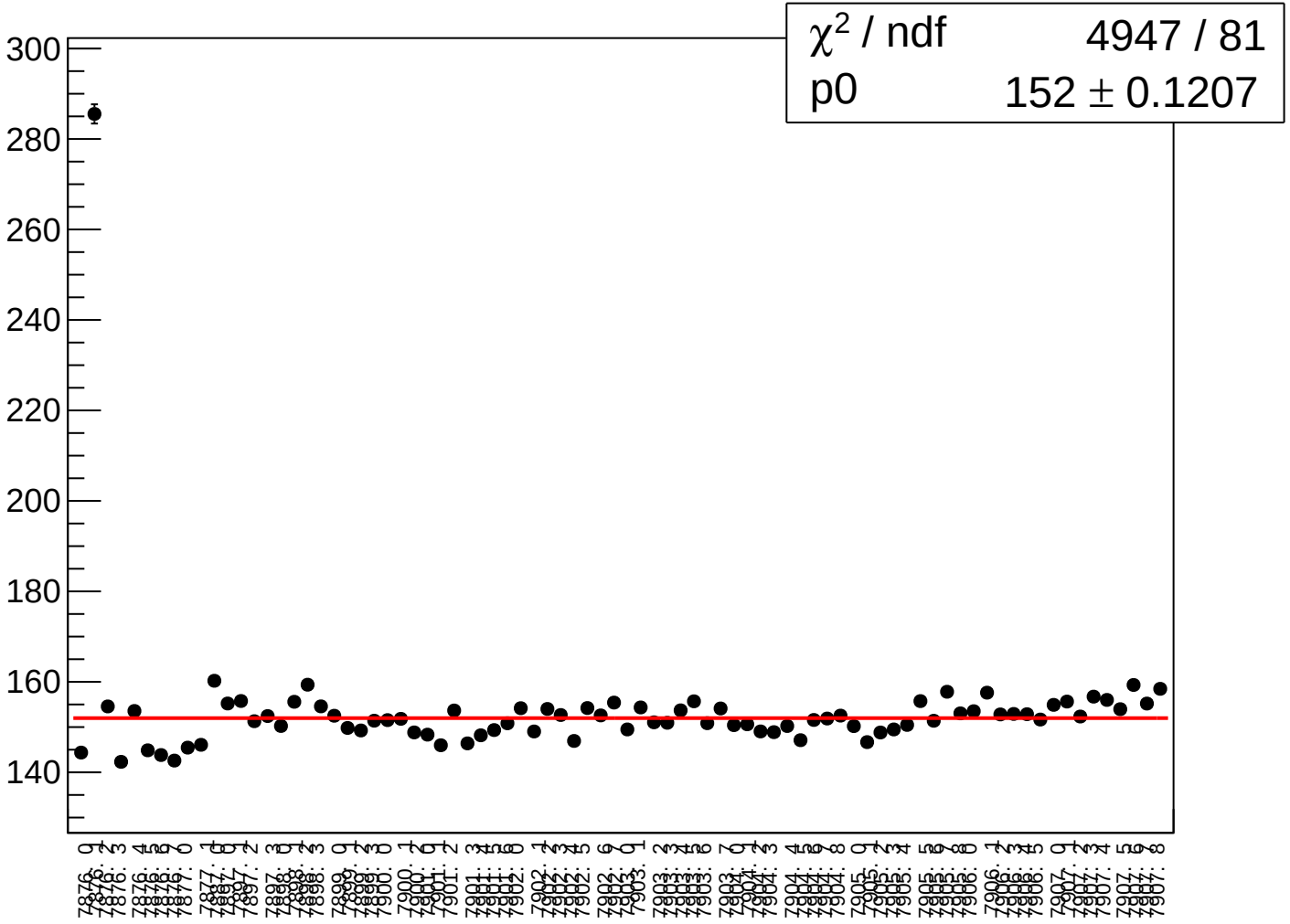

pull1D
Entries 82
Mean −0.008795
Std Dev 0.996

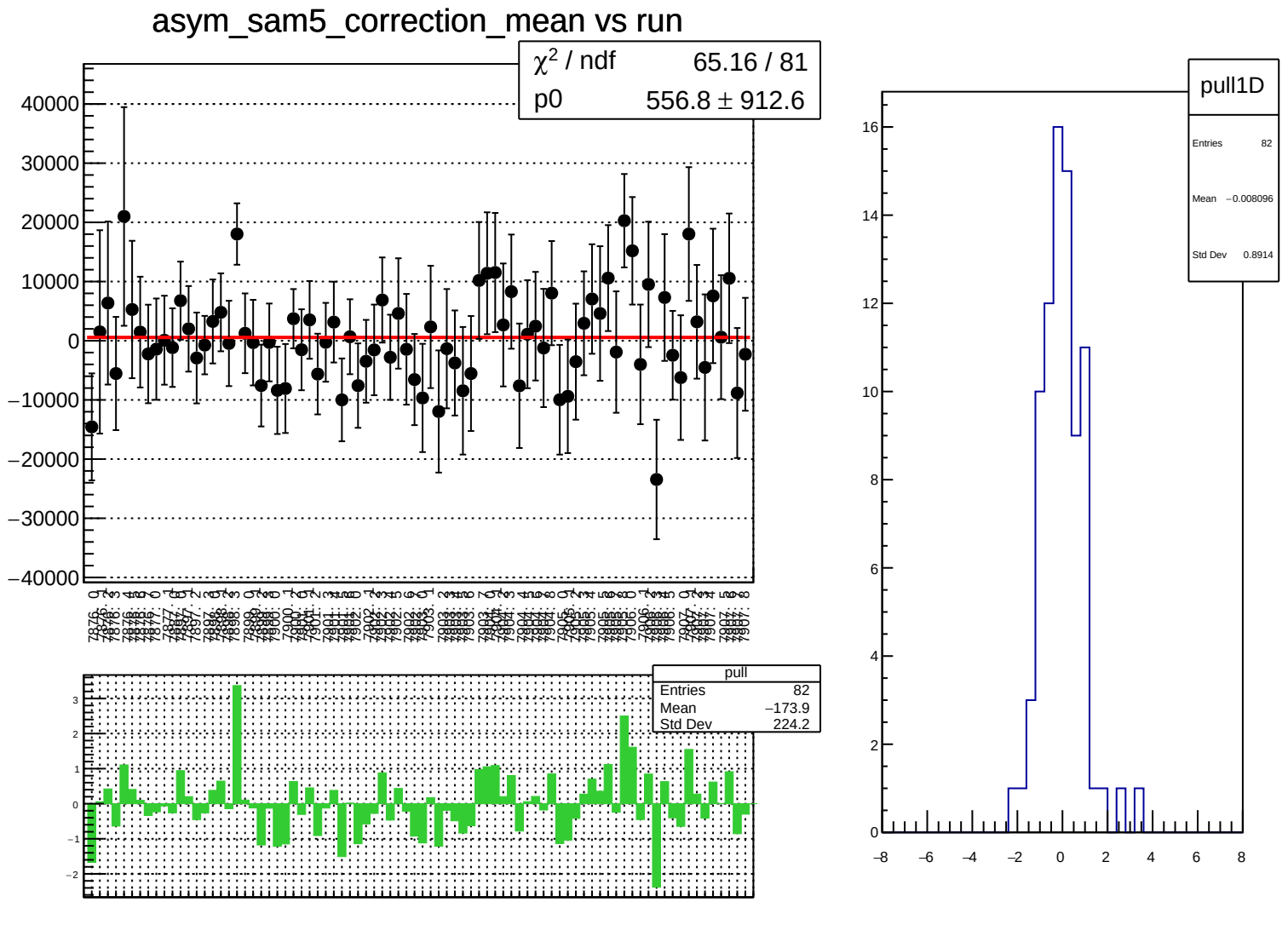

asym_sam4_rms vs run
χ² / ndf 1.251e+04 / 81
p0 5716 ± 4.549
8000
7500
7000
6500
6000
5500
5000


dit_asym_sam5_mean vs run
χ² / ndf 64.37 / 81
p0 −70.55 ± 170.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −472.7
Std Dev 520.2
2
1
0
−1
−2

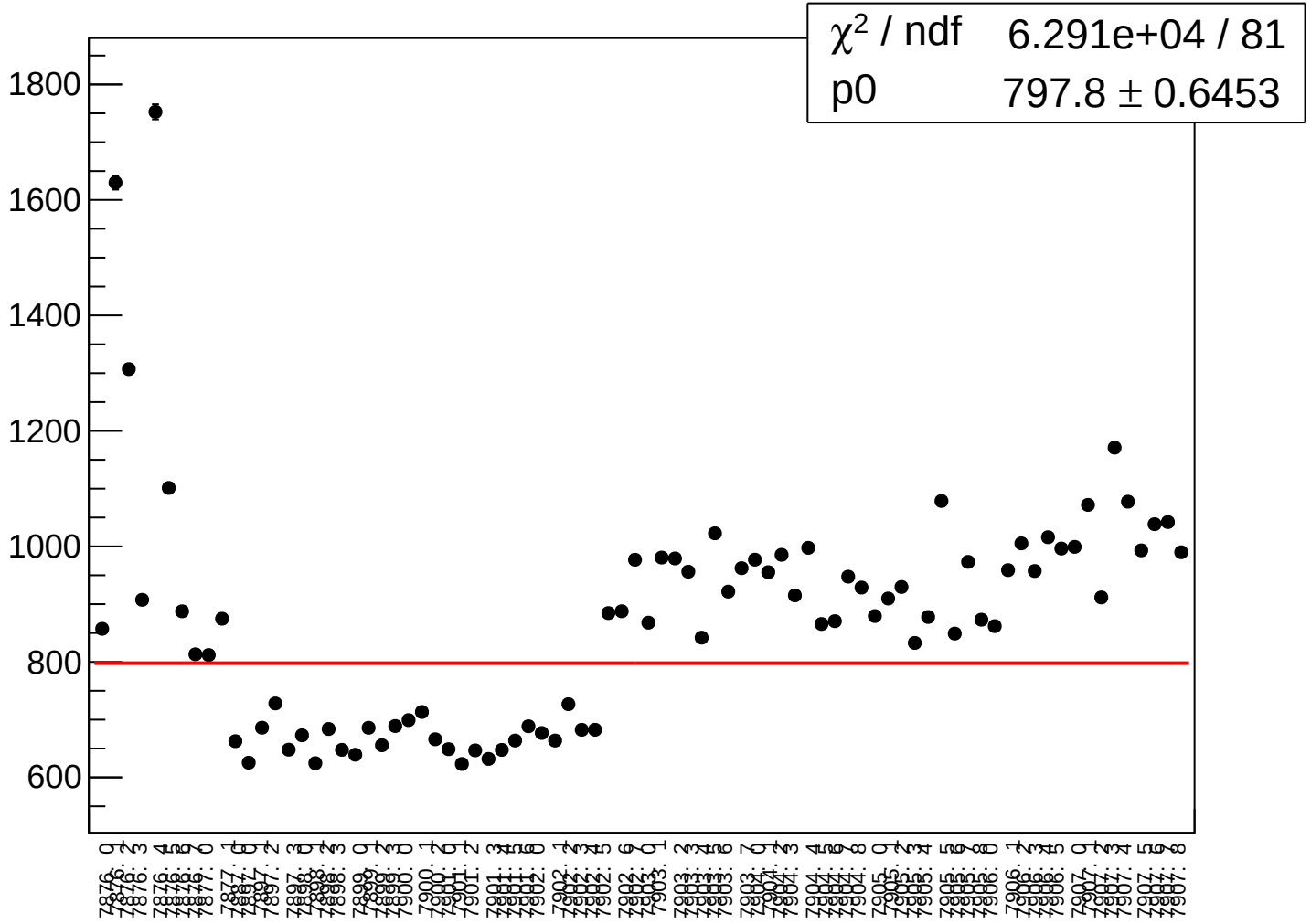

pull1D
Entries 82
Mean 0.004986
Std Dev 0.886
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

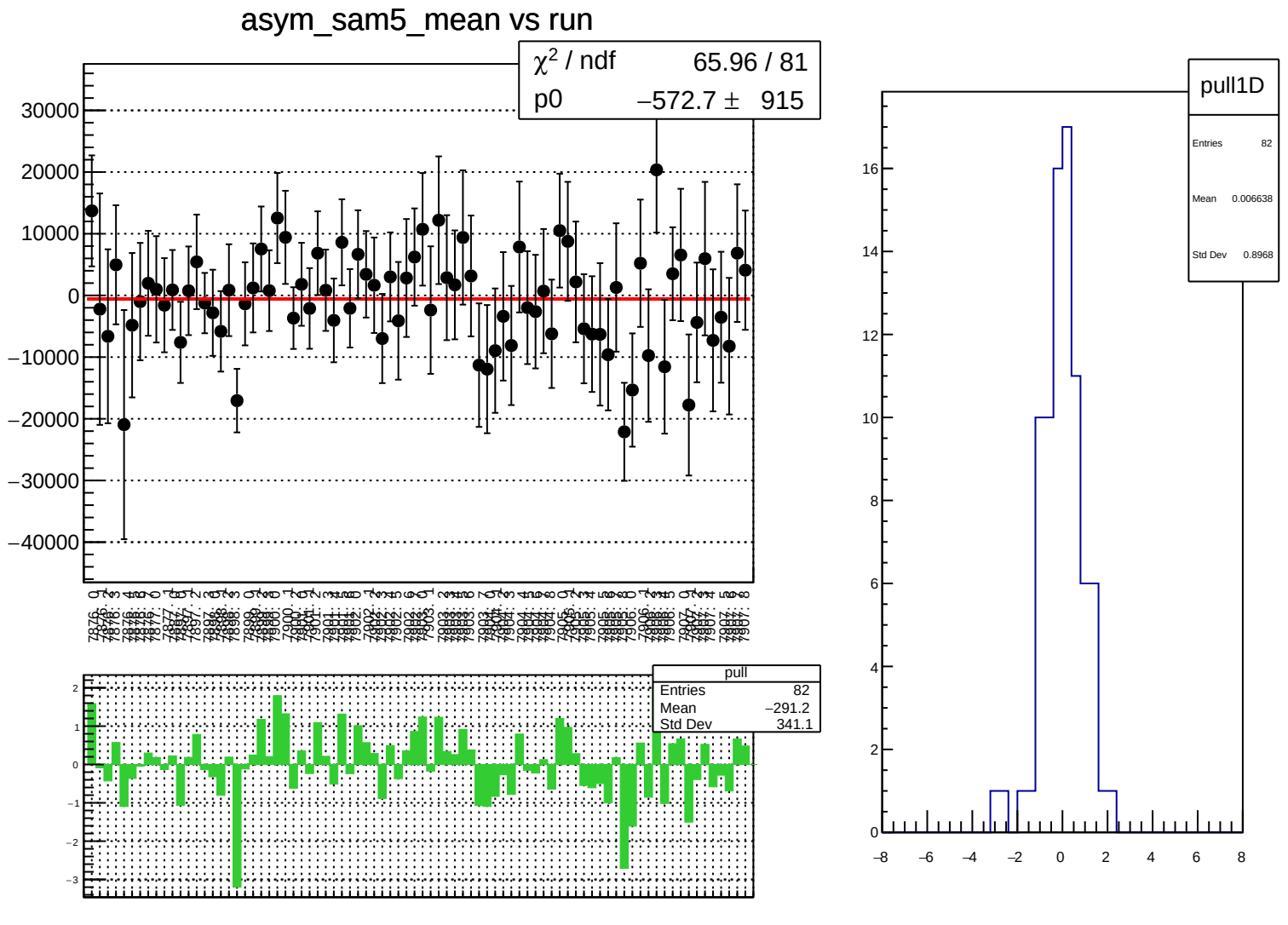
dit_asym_sam5_rms vs run



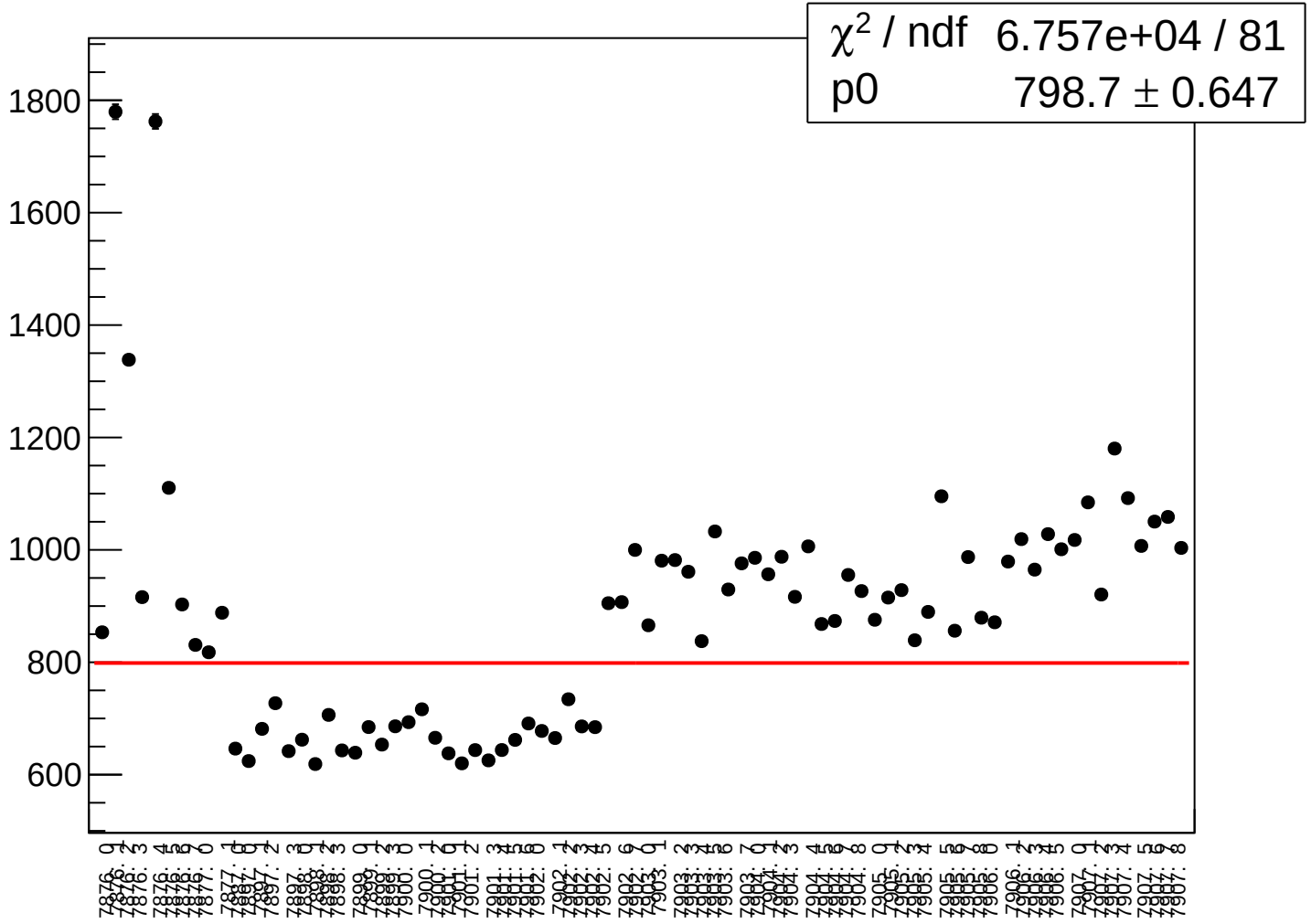

asym_sam5_correction_mean vs run
χ² / ndf 65.16 / 81
p0 556.8 ± 912.6
pull
Entries 82
Mean −173.9
Std Dev 224.2
pull1D
Entries 82
Mean −0.008096
Std Dev 0.8914

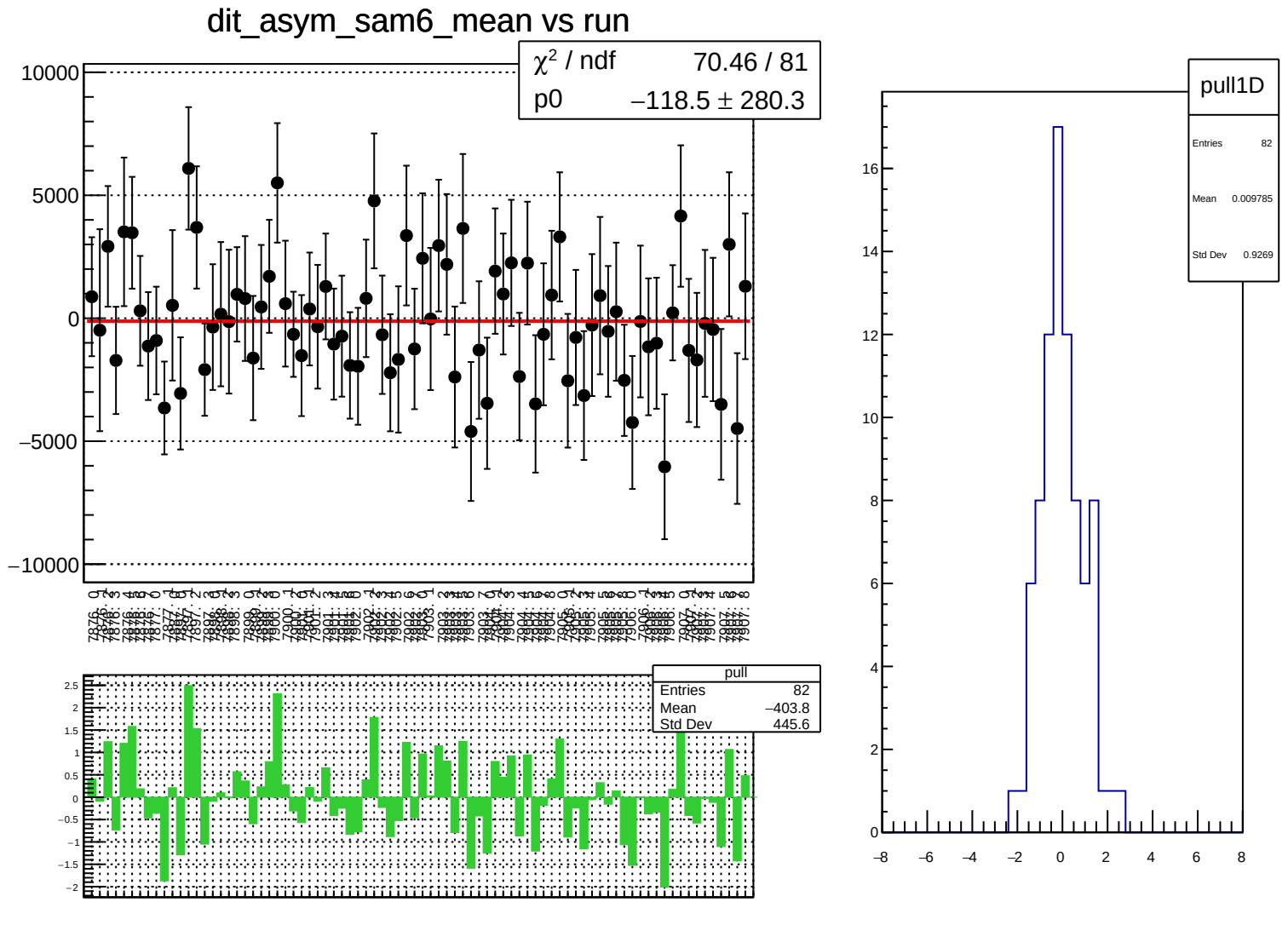
asym_sam5_correction_rms vs run

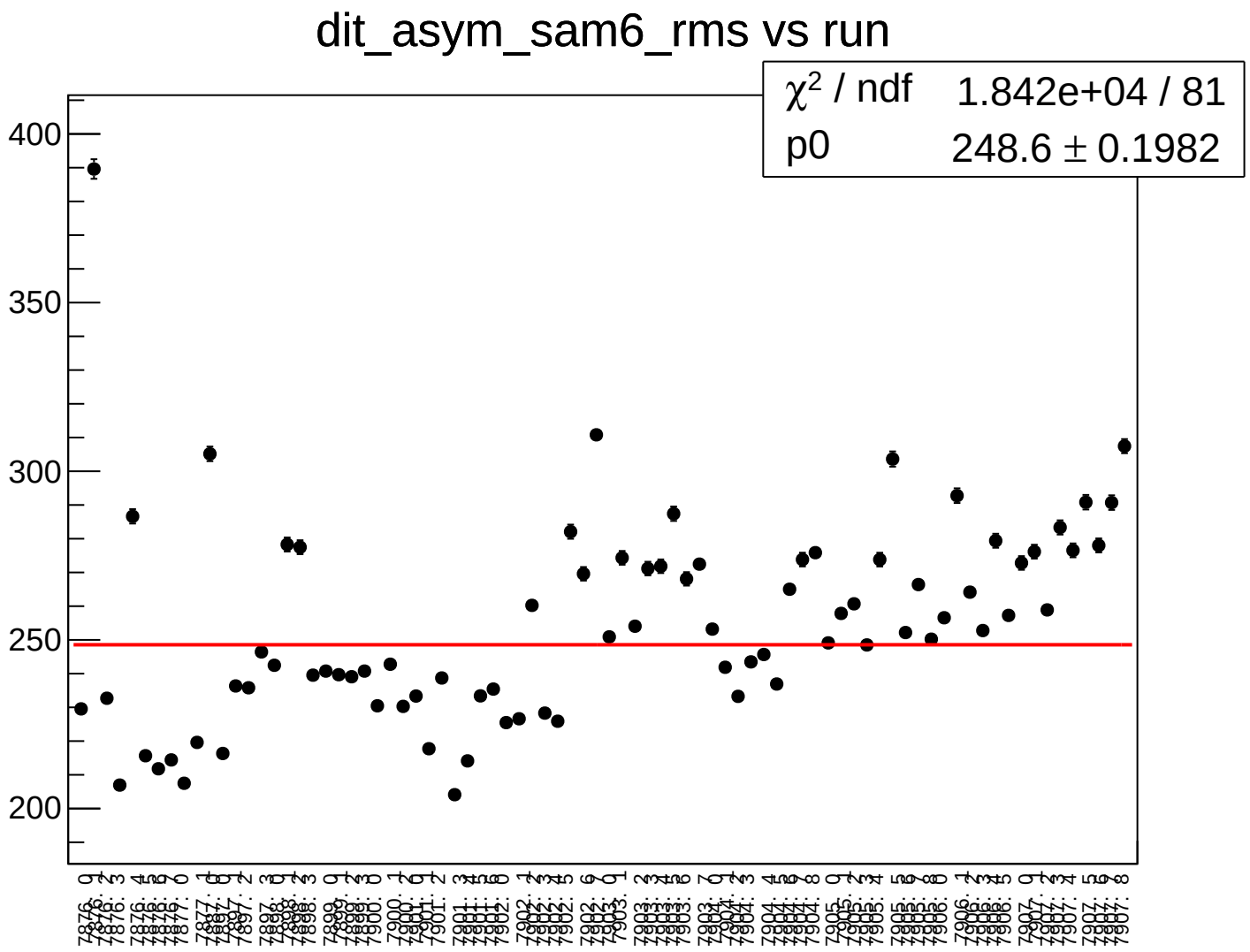


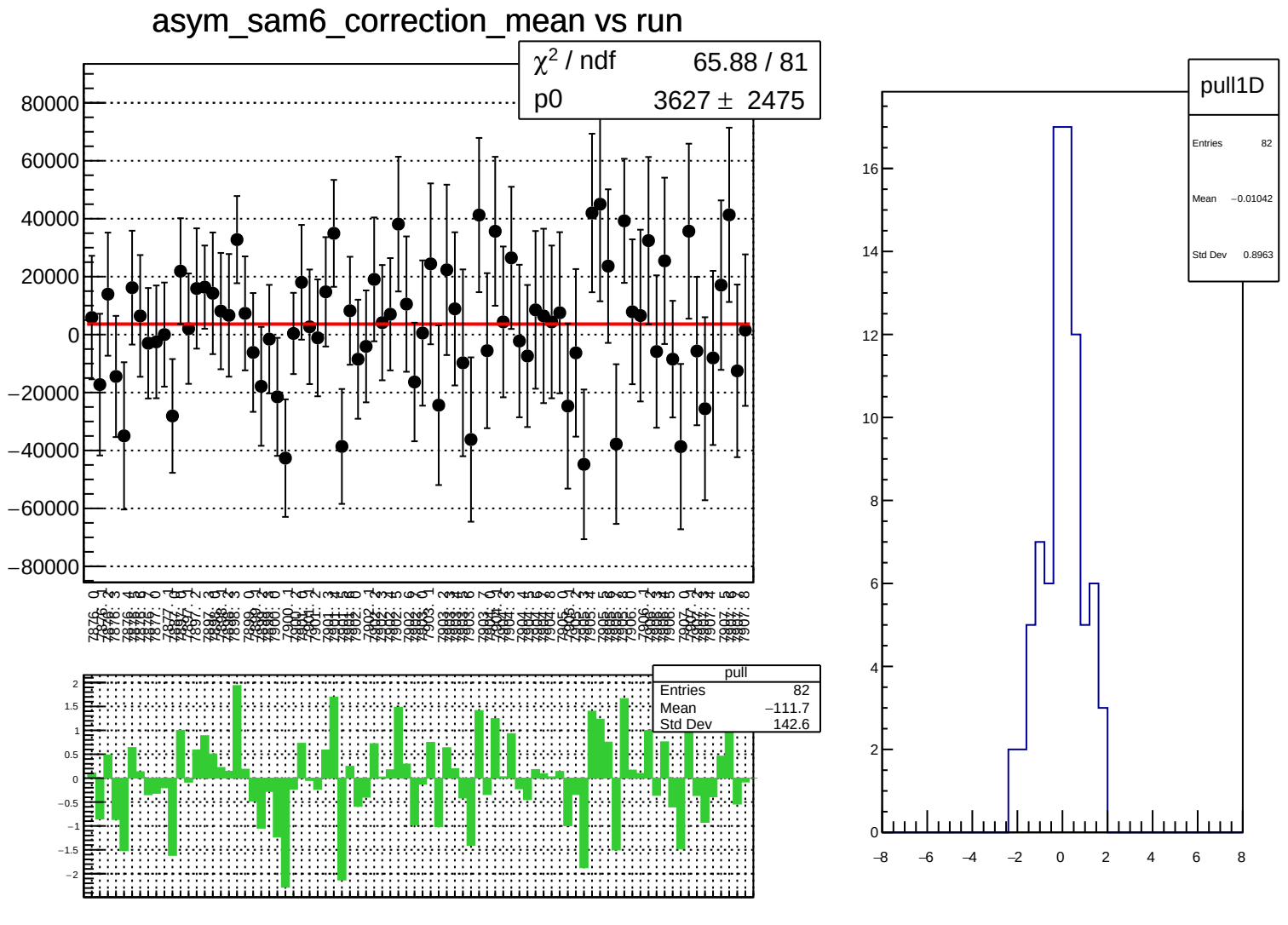

asym_sam5_mean vs run
χ² / ndf 65.96 / 81
p0 −572.7 ± 915
pull
Entries 82
Mean −291.2
Std Dev 341.1
pull1D
Entries 82
Mean 0.006638
Std Dev 0.8968

asym_sam5_rms vs run

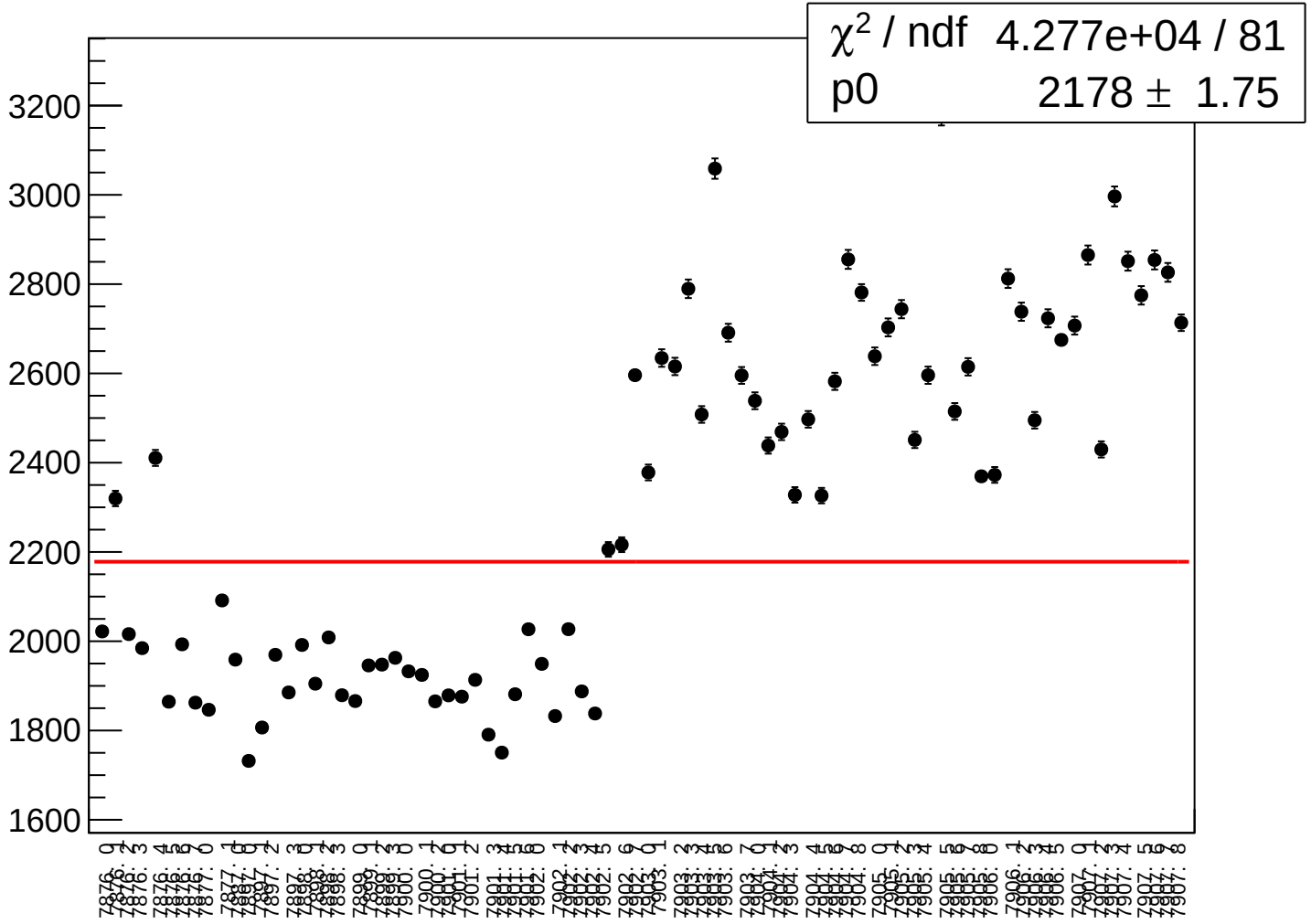


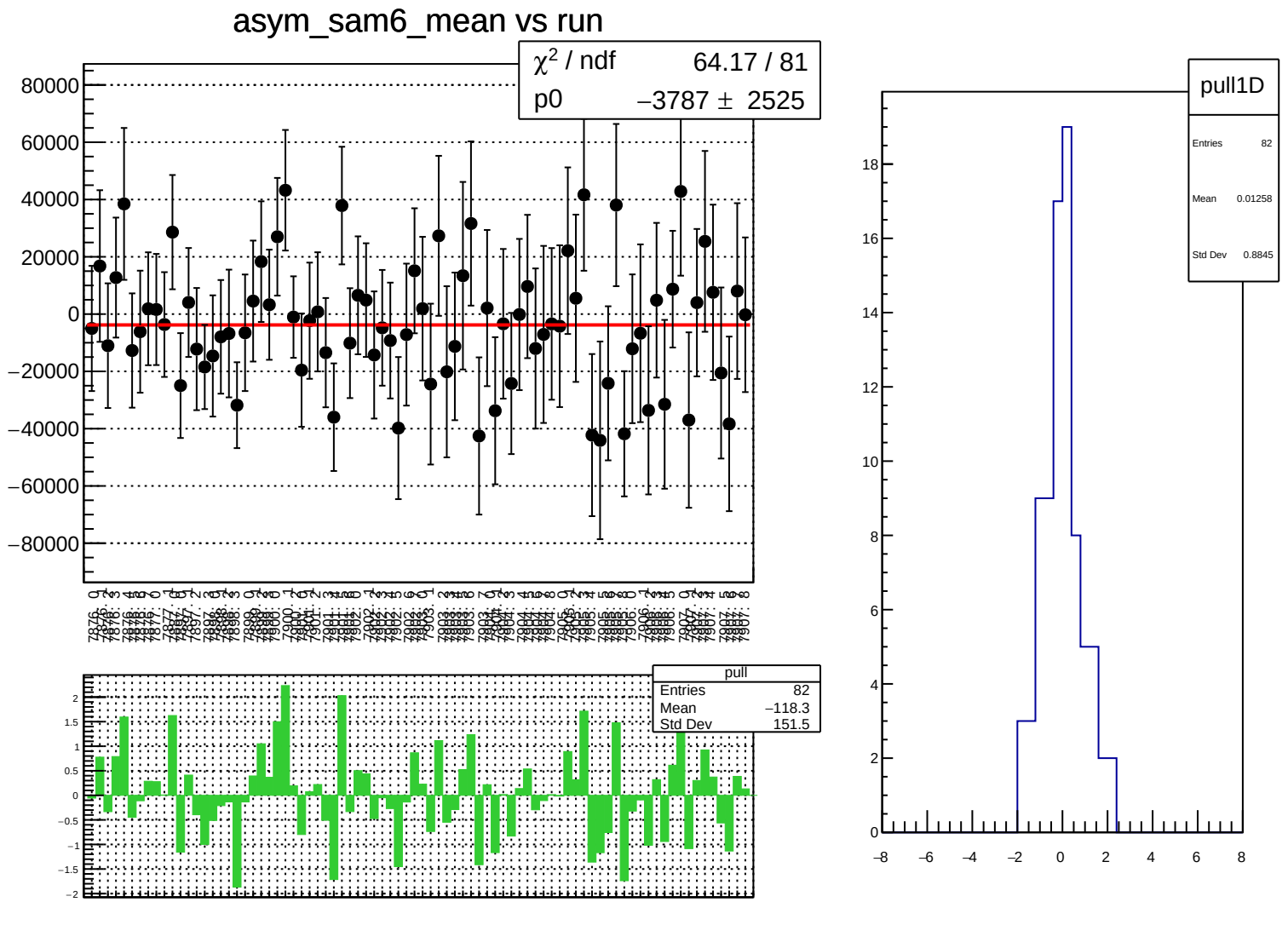

dit_asym_sam6_mean vs run
χ² / ndf 70.46 / 81
p0 −118.5 ± 280.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −403.8
Std Dev 445.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.009785
Std Dev 0.9269
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

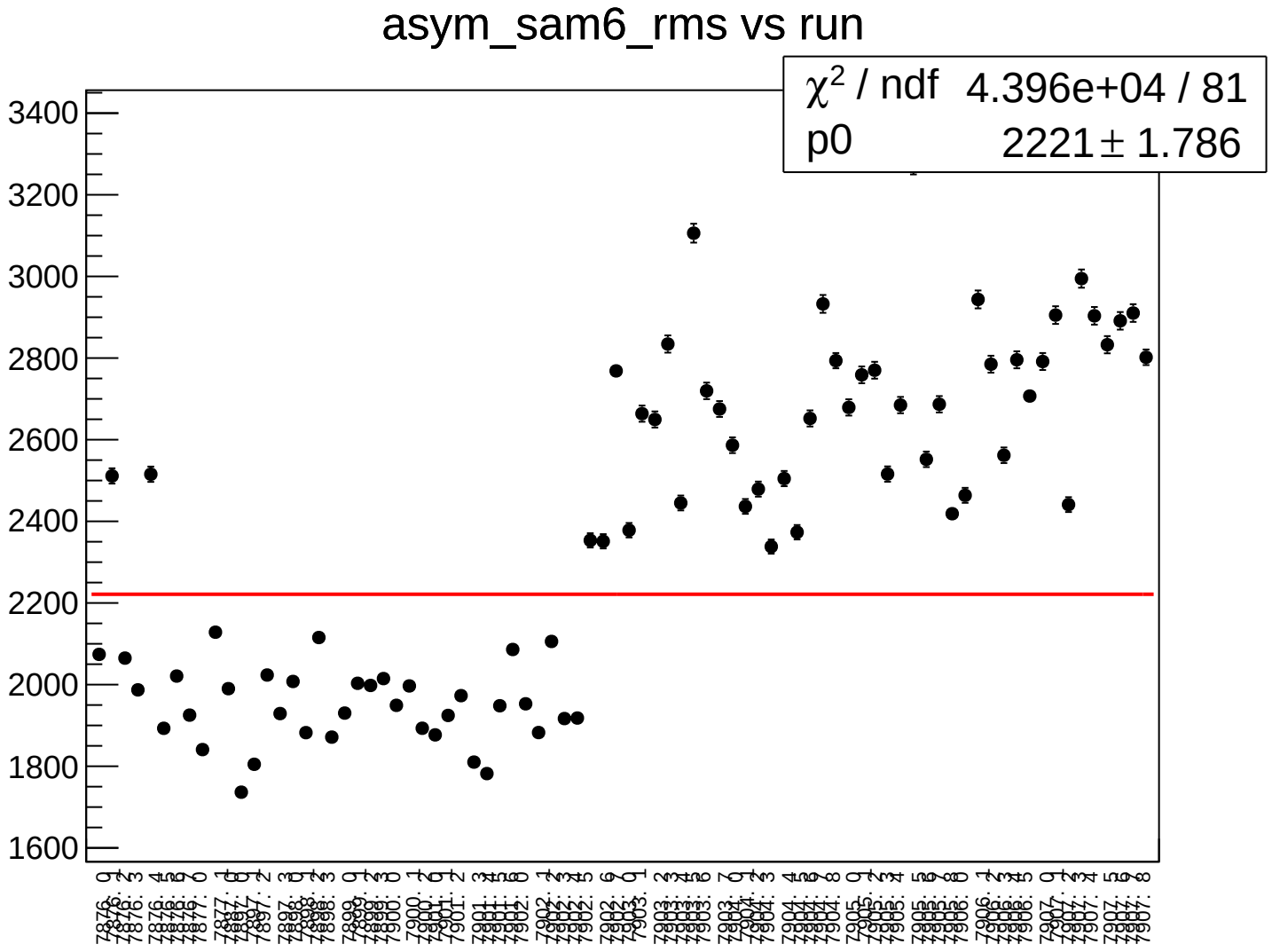

dit_asym_sam6_rms vs run
χ^2 / ndf 1.842e+04 / 81
p0 248.6 ± 0.1982
400
350
300
250
200

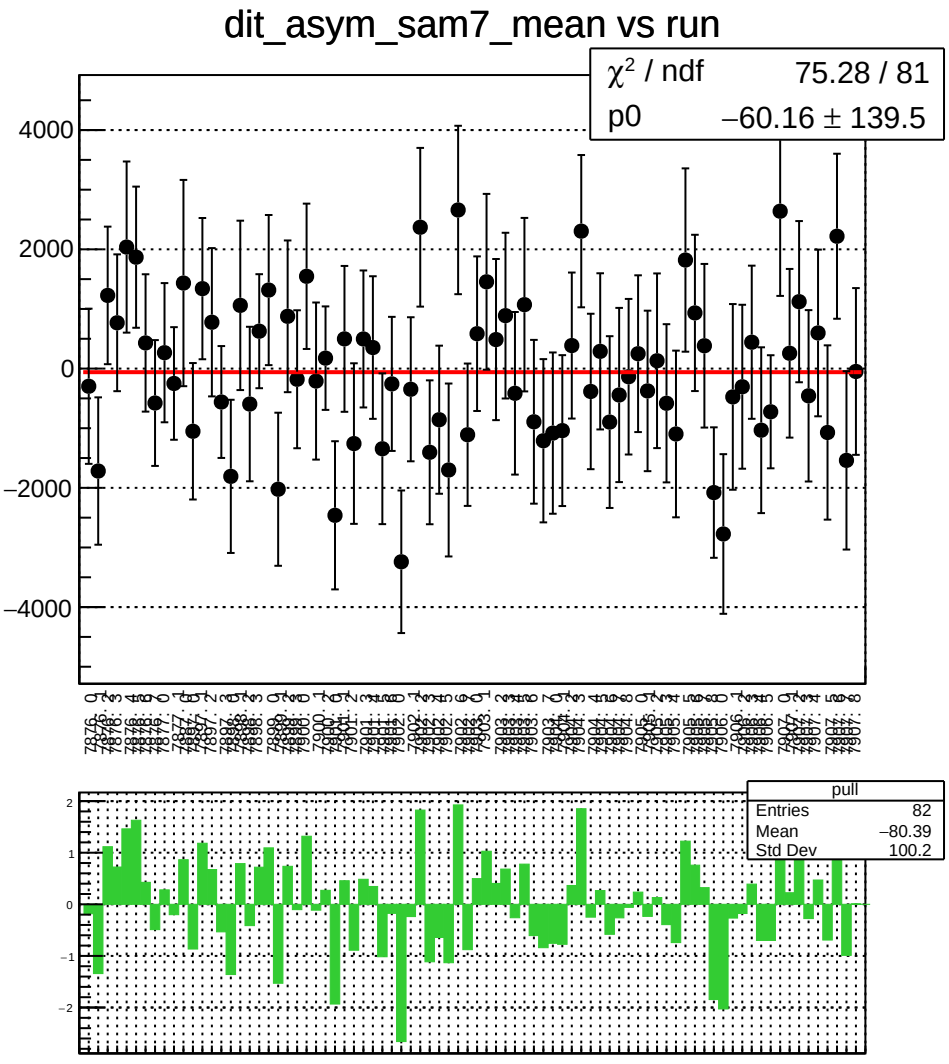

asym_sam6_correction_mean vs run
χ² / ndf 65.88 / 81
p0 3627 ± 2475
pull
Entries 82
Mean −111.7
Std Dev 142.6
pull1D
Entries 82
Mean −0.01042
Std Dev 0.8963

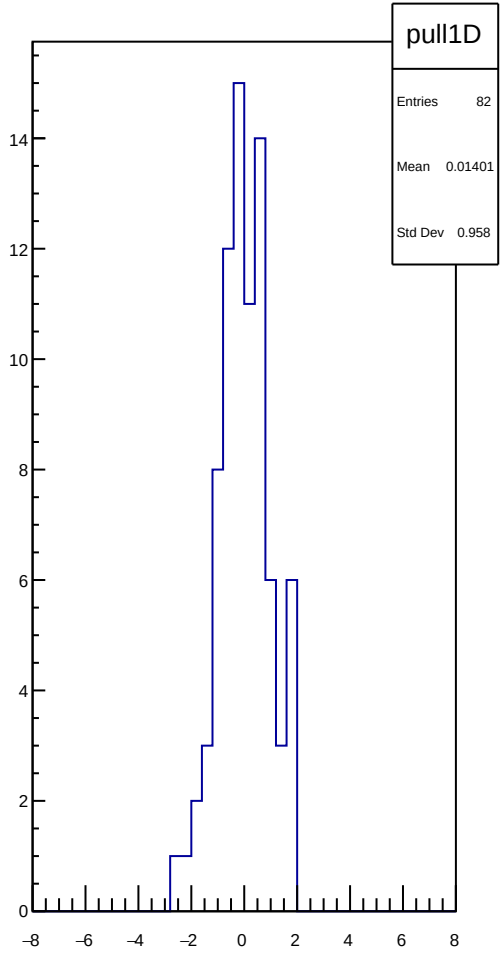
asym_sam6_correction_rms vs run

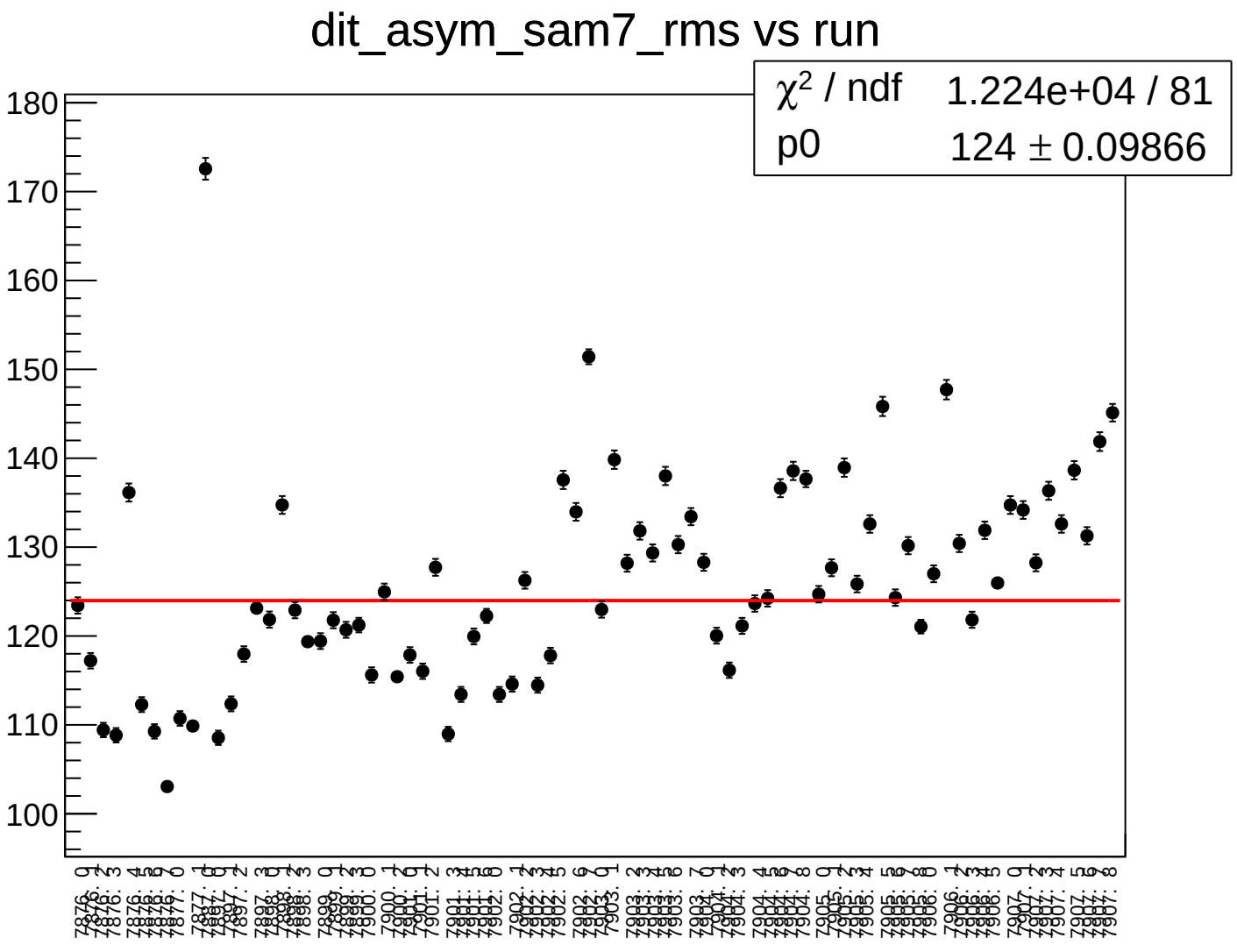


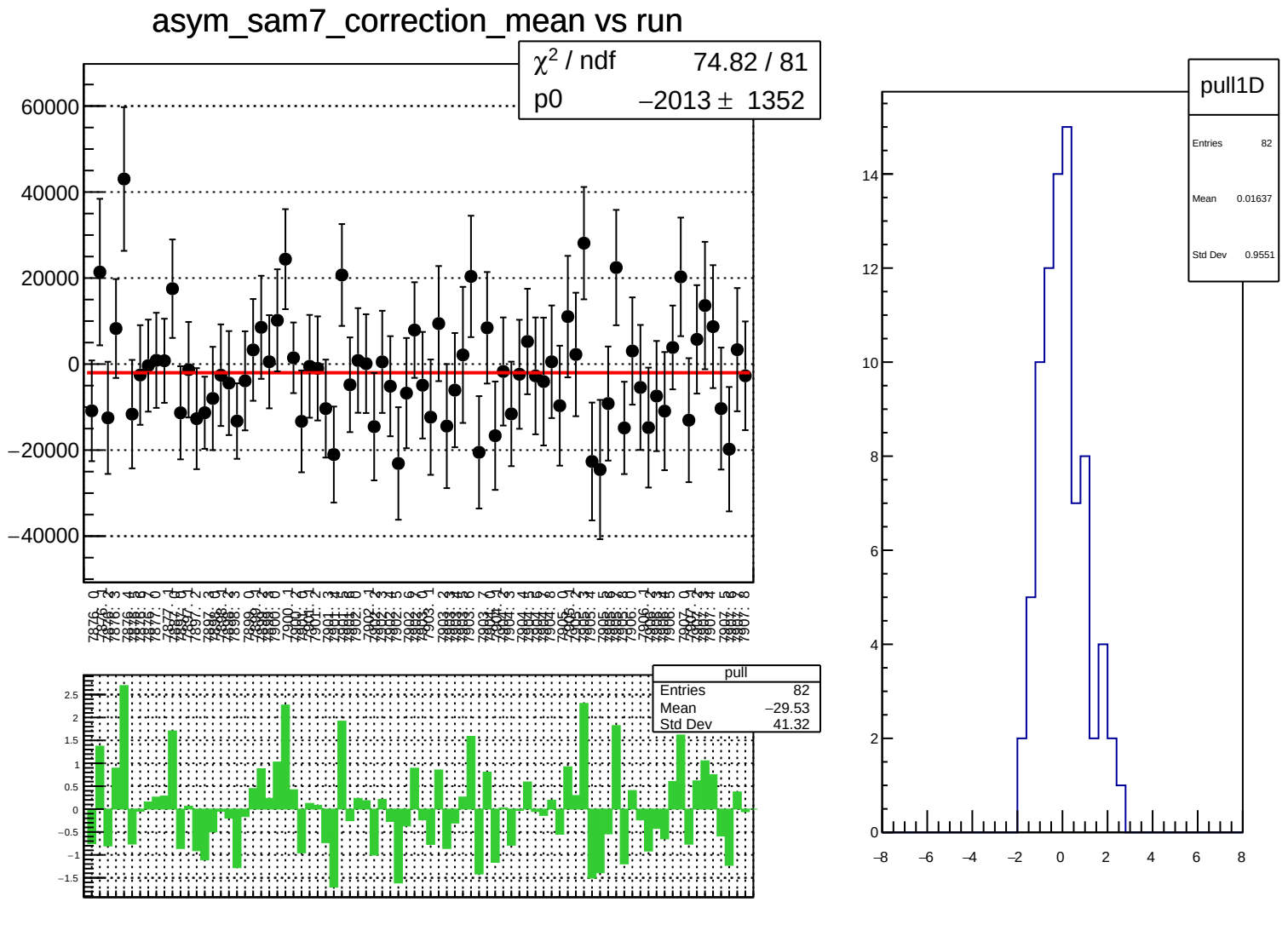

asym_sam6_mean vs run
χ² / ndf 64.17 / 81
p0 −3787 ± 2525
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −118.3
Std Dev 151.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01258
Std Dev 0.8845
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_rms vs run
χ^2 / ndf 4.396e+04 / 81
p0 2221 ± 1.786
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

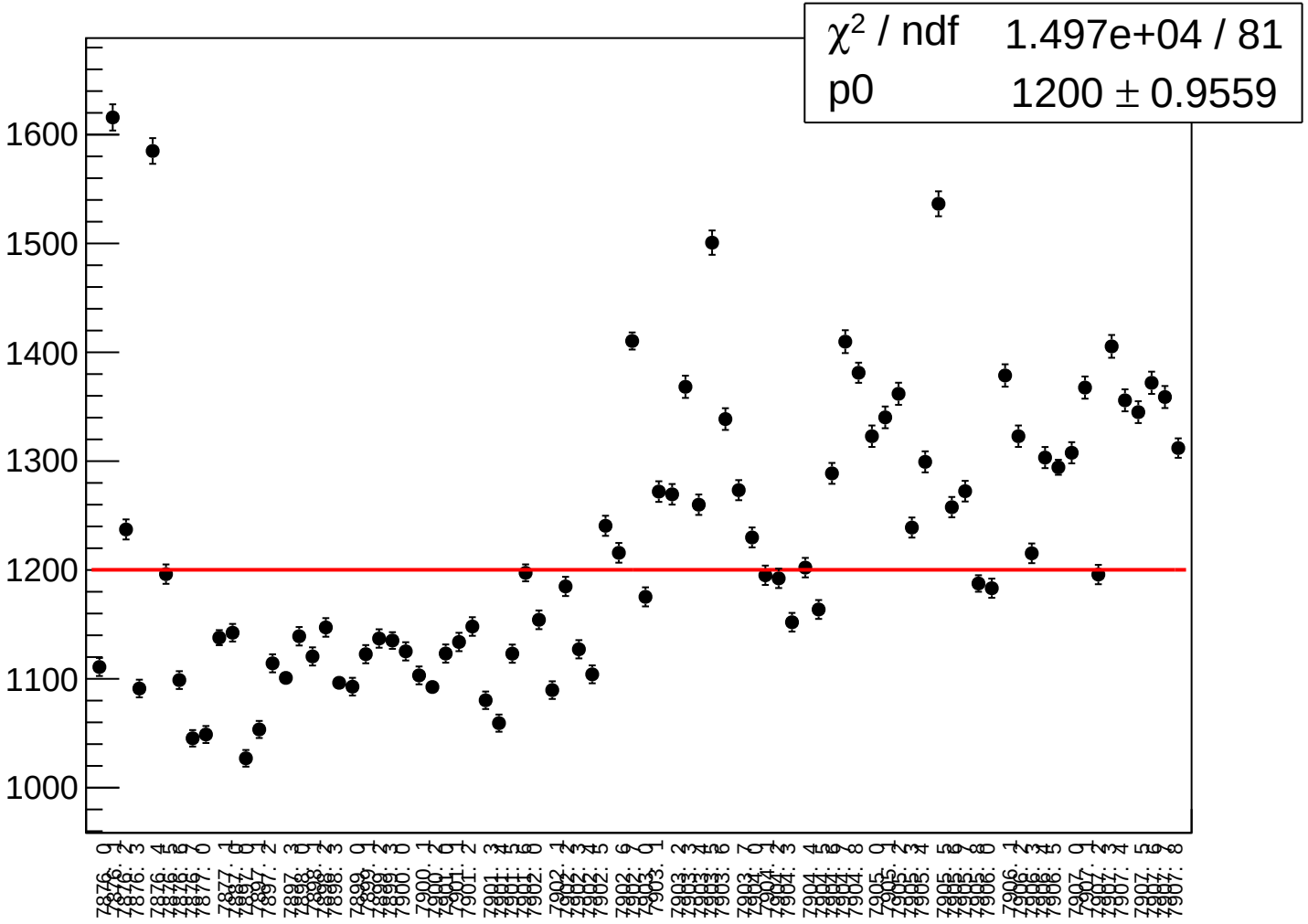

dit_asym_sam7_mean vs run
χ² / ndf 75.28 / 81
p0 −60.16 ± 139.5
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −80.39
Std Dev 100.2
2
1
0
−1
−2

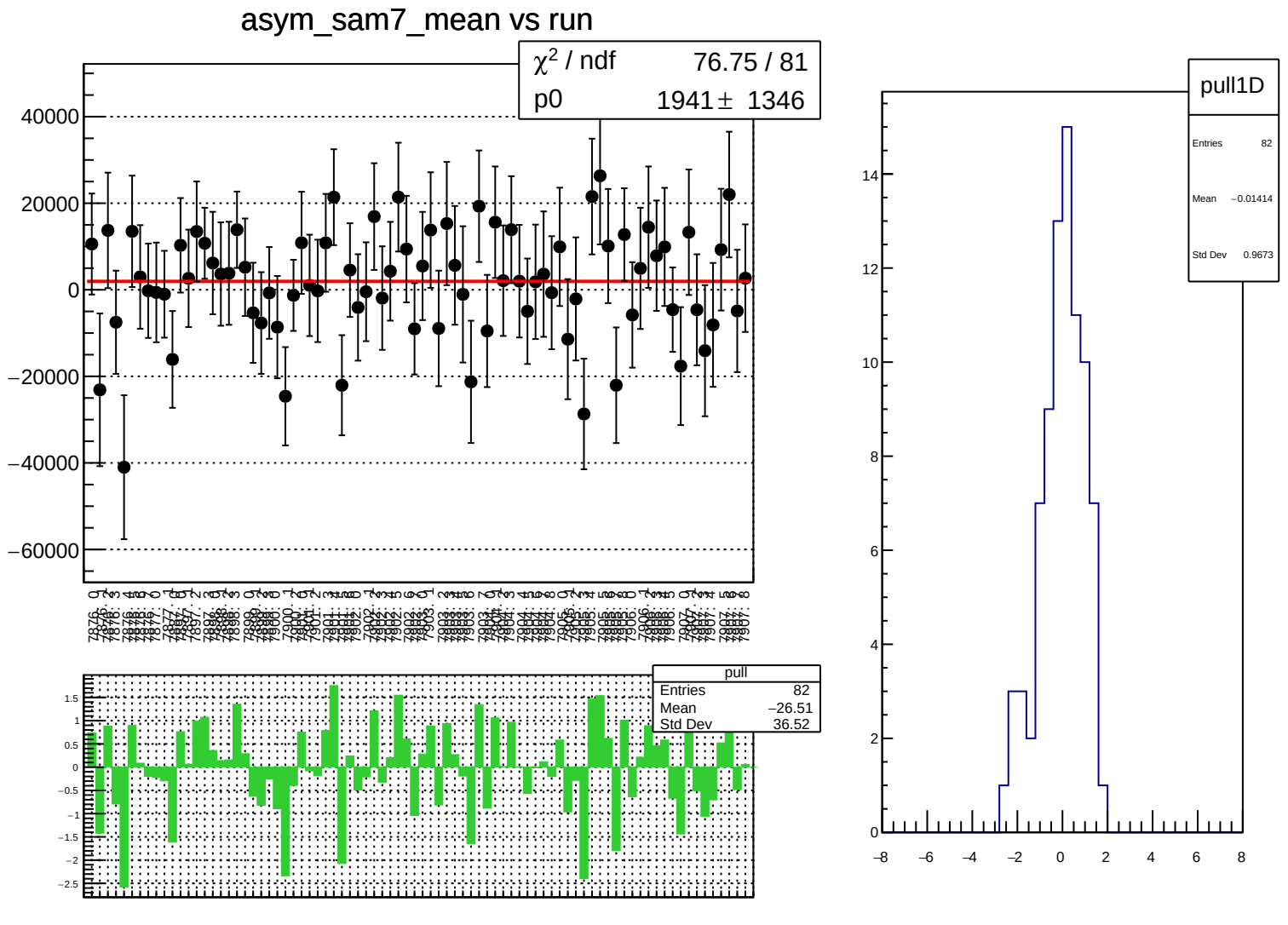

pull1D
Entries 82
Mean 0.01401
Std Dev 0.958
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

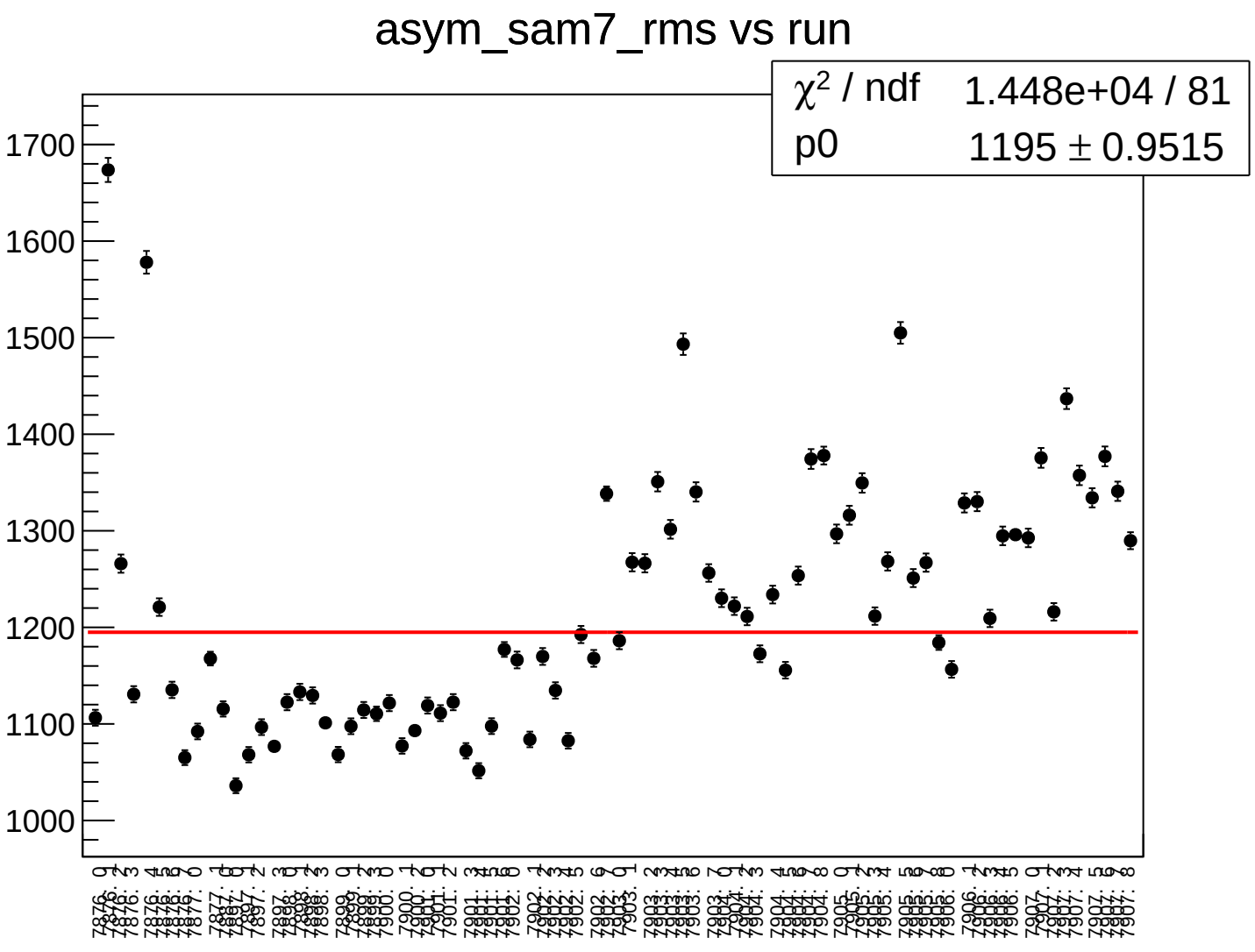

dit_asym_sam7_rms vs run
χ² / ndf 1.224e+04 / 81
p0 124 ± 0.09866
180
170
160
150
140
130
120
110
100

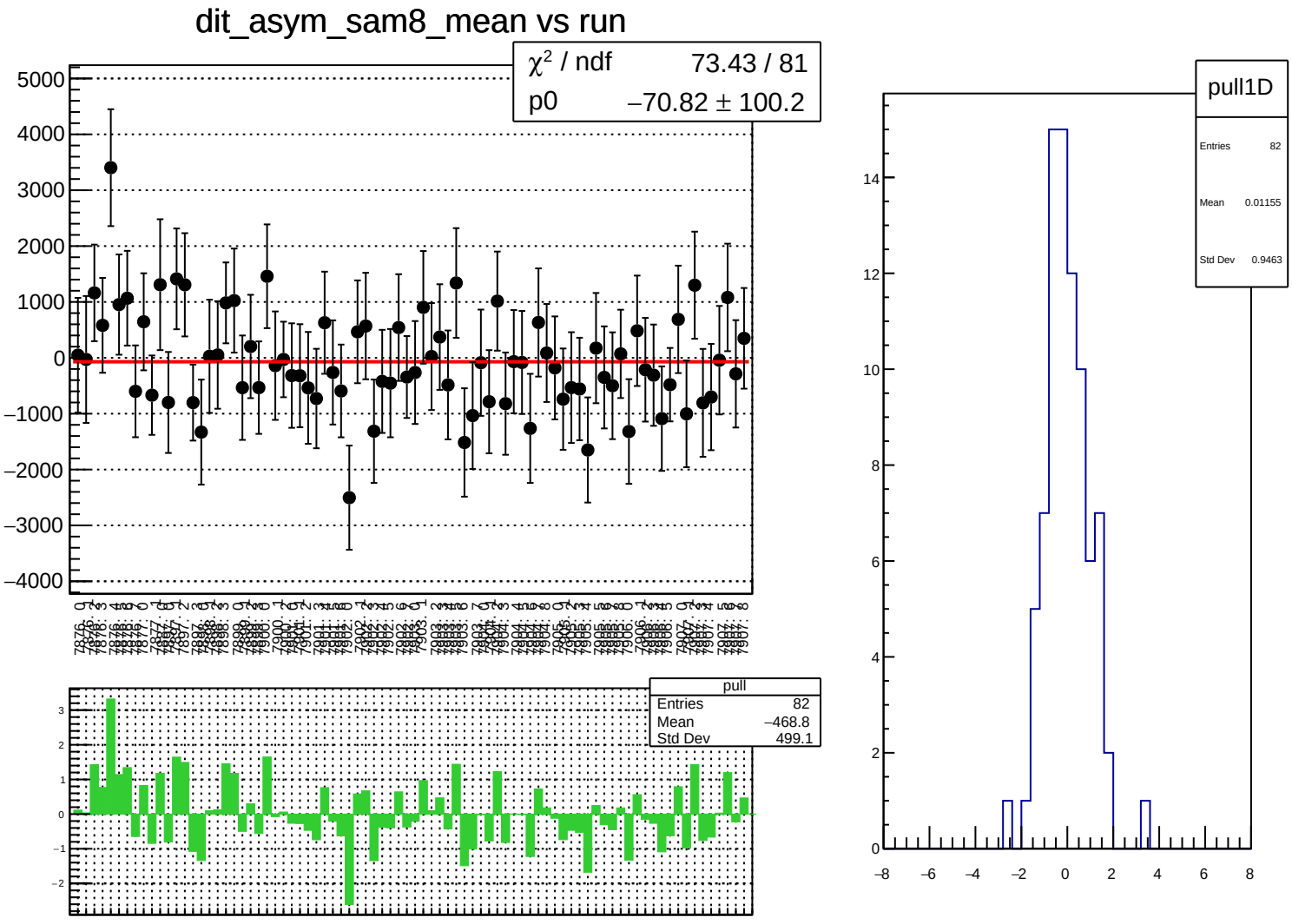

asym_sam7_correction_mean vs run
χ² / ndf 74.82 / 81
p0 −2013 ± 1352
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −29.53
Std Dev 41.32
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01637
Std Dev 0.9551
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_correction_rms vs run

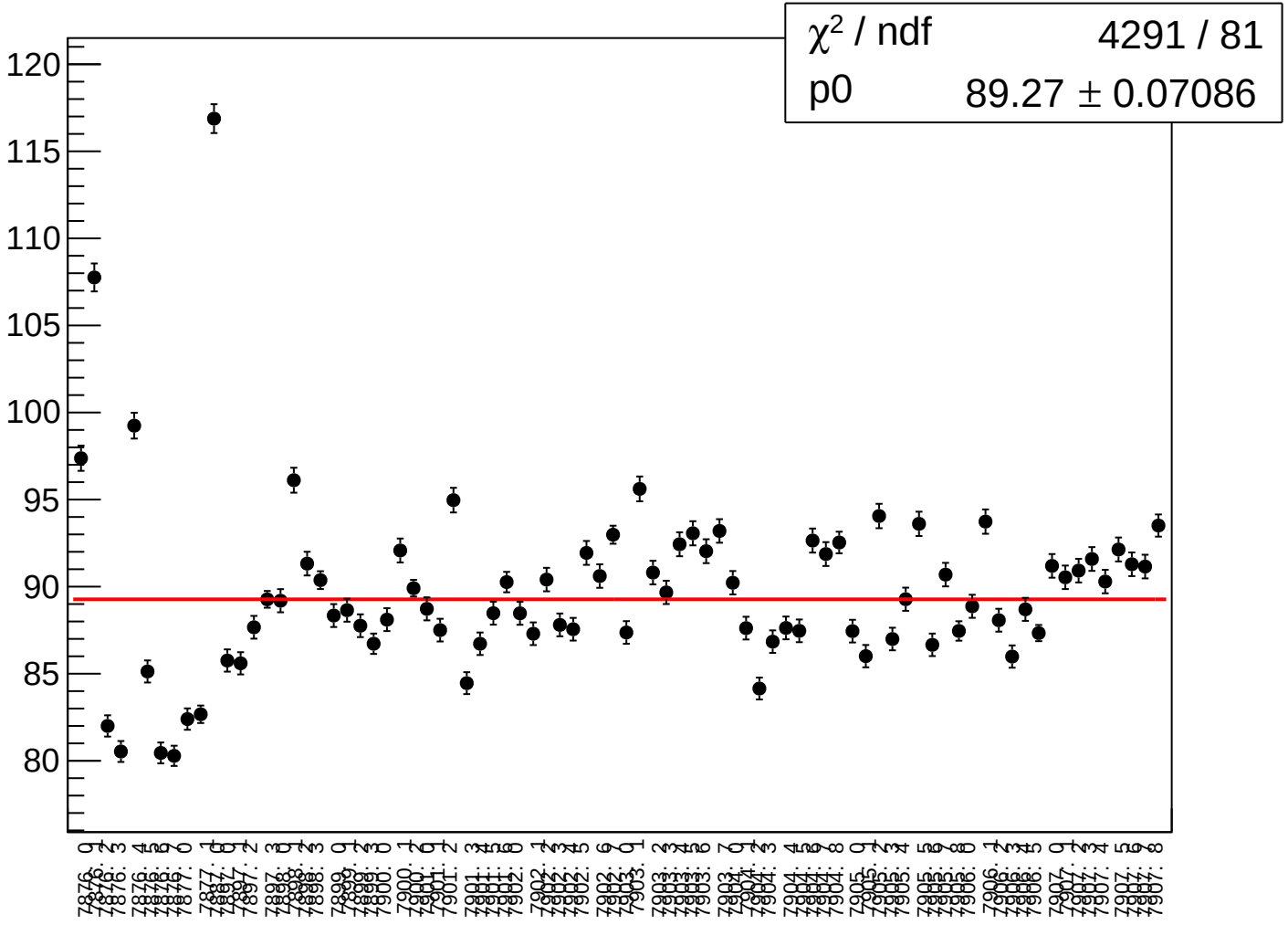


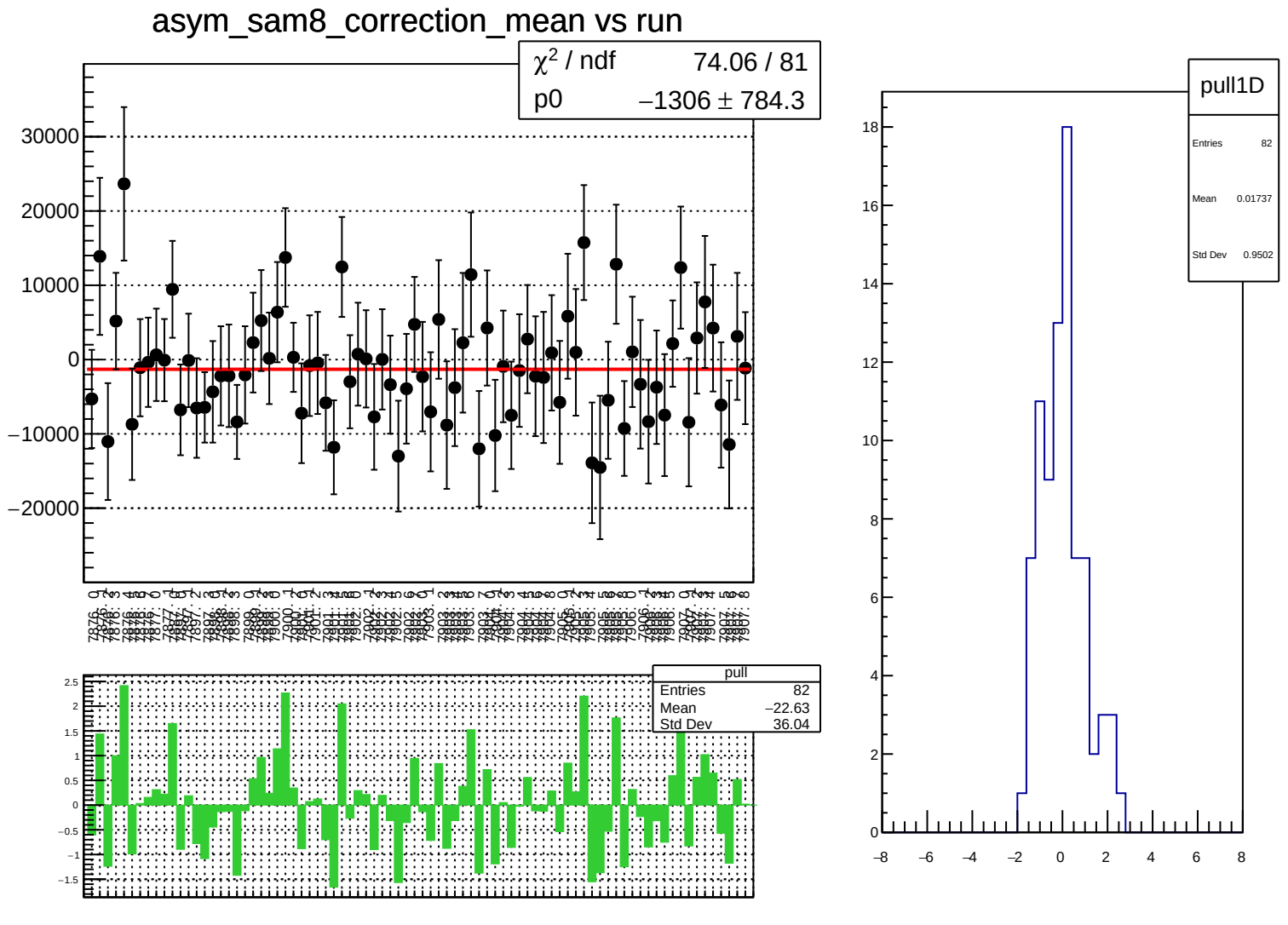

asym_sam7_mean vs run
χ^2 / ndf 76.75 / 81
p0 1941 ± 1346
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −26.51
Std Dev 36.52
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.01414
Std Dev 0.9673
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_rms vs run
χ² / ndf 1.448e+04 / 81
p0 1195 ± 0.9515
1700
1600
1500
1400
1300
1200
1100
1000

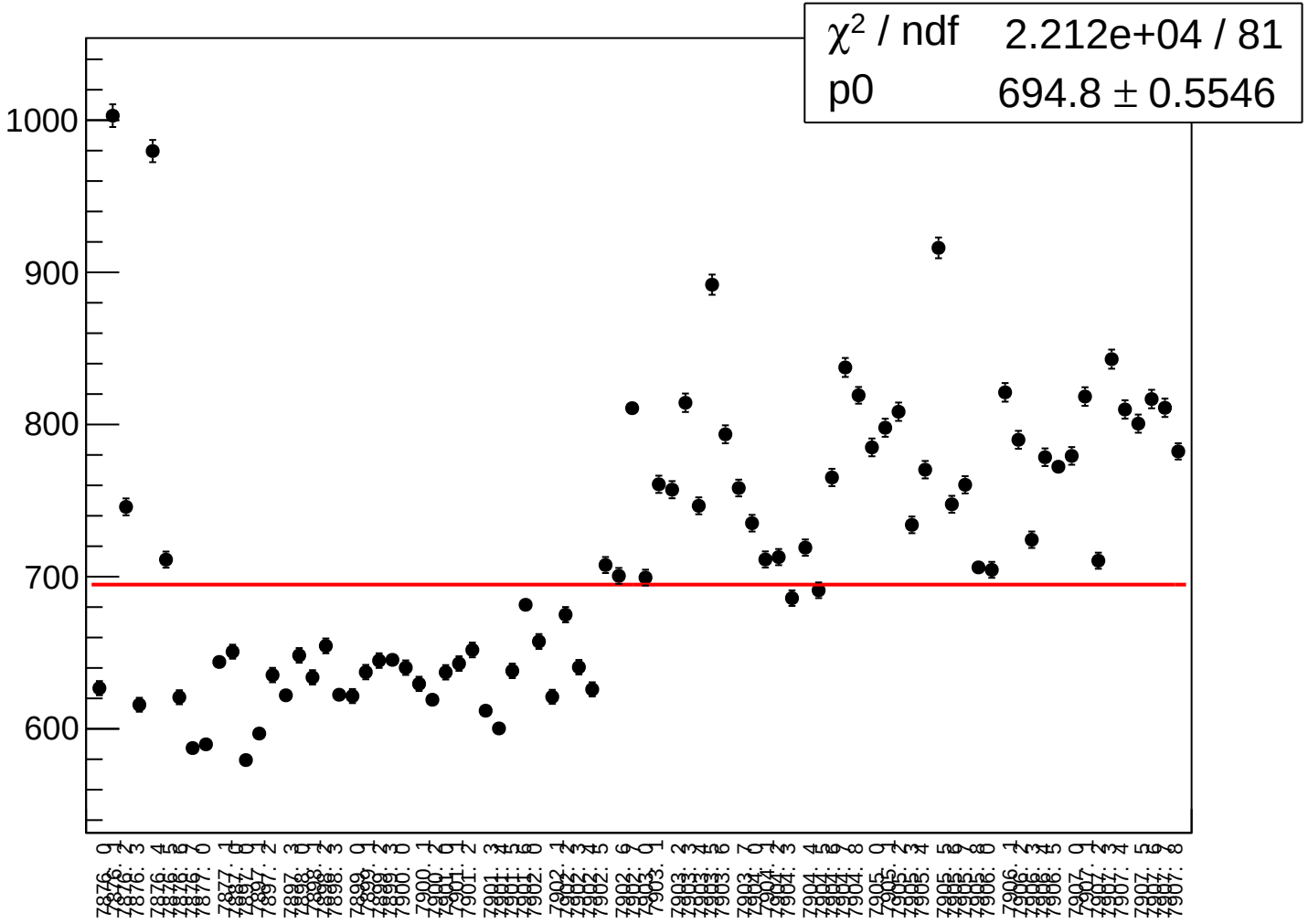

dit_asym_sam8_mean vs run
χ² / ndf 73.43 / 81
p0 −70.82 ± 100.2
pull
Entries 82
Mean −468.8
Std Dev 499.1
pull1D
Entries 82
Mean 0.01155
Std Dev 0.9463

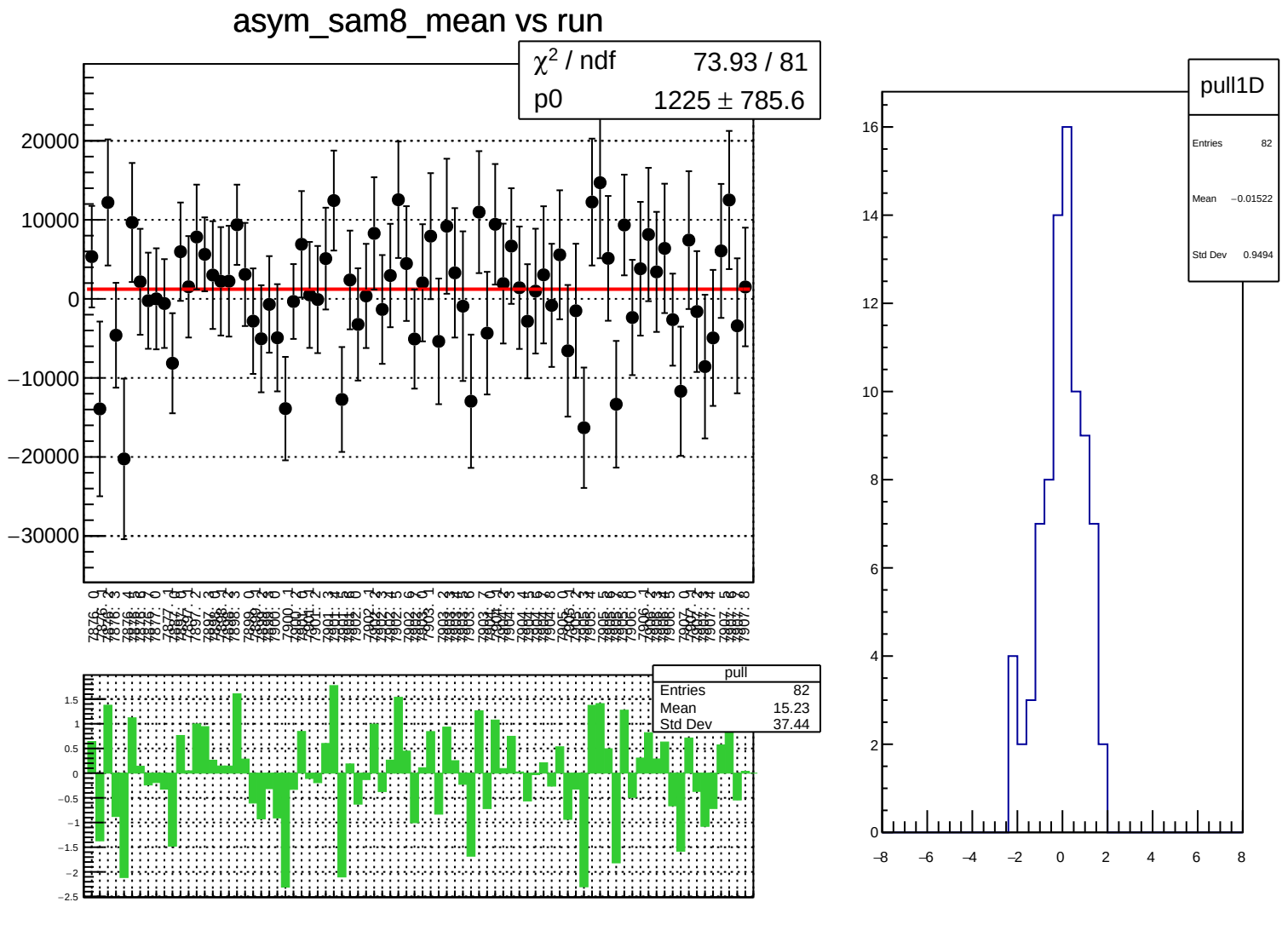
dit_asym_sam8_rms vs run

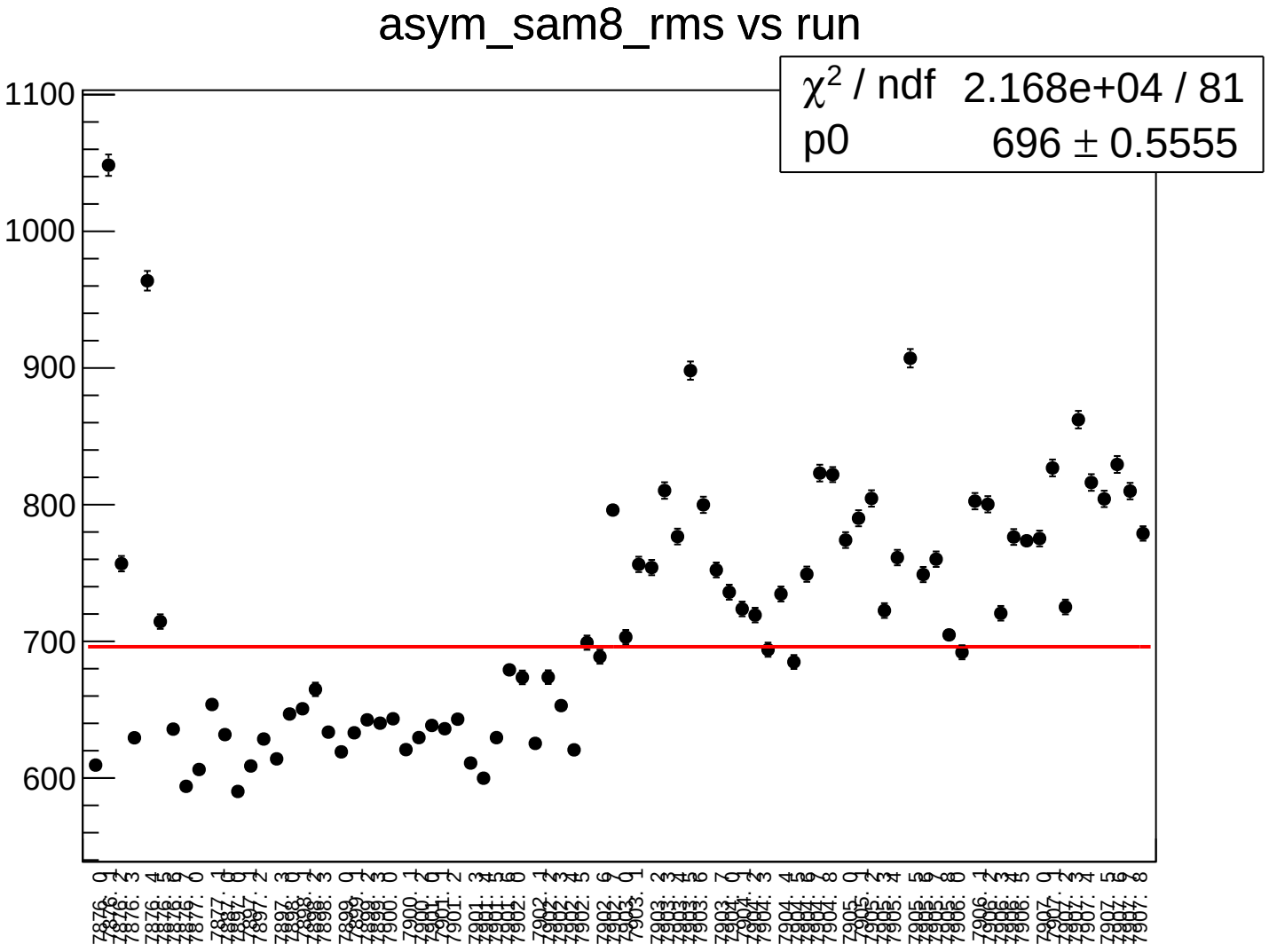


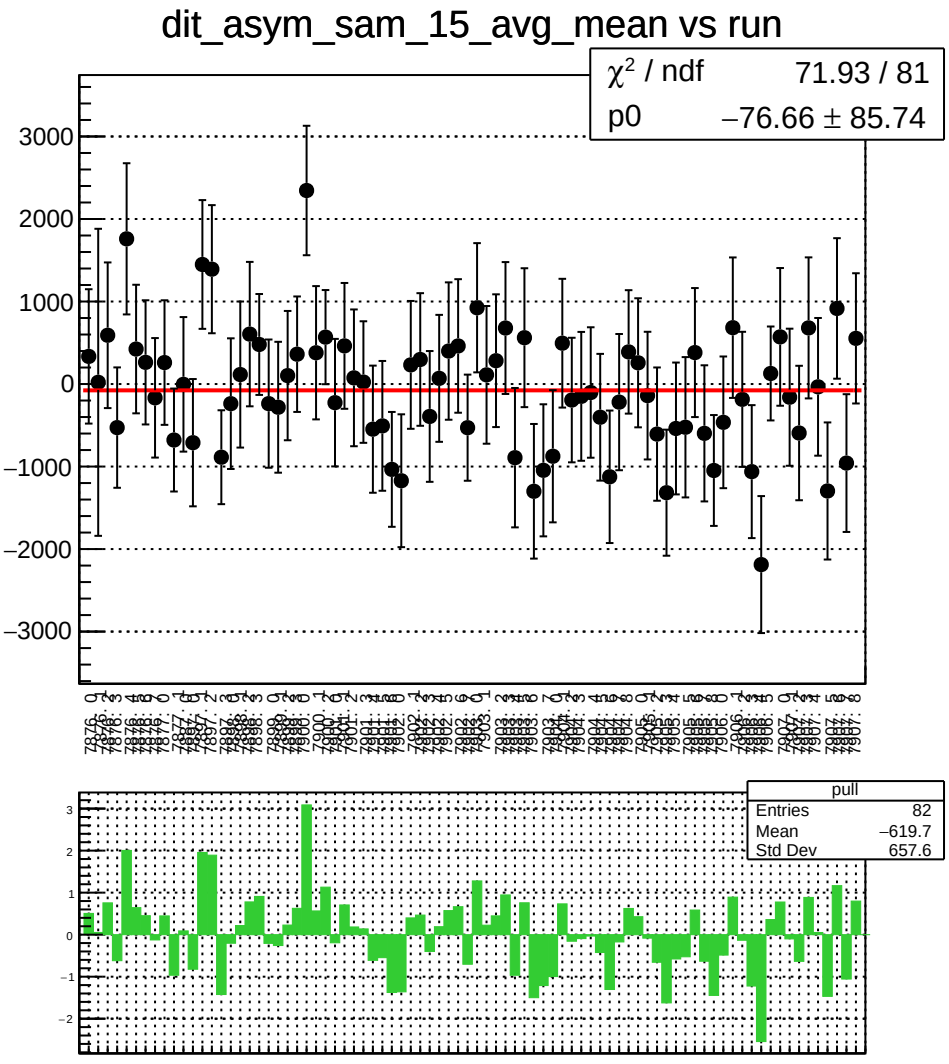

asym_sam8_correction_mean vs run
χ² / ndf 74.06 / 81
p0 −1306 ± 784.3
pull
Entries 82
Mean −22.63
Std Dev 36.04
pull1D
Entries 82
Mean 0.01737
Std Dev 0.9502

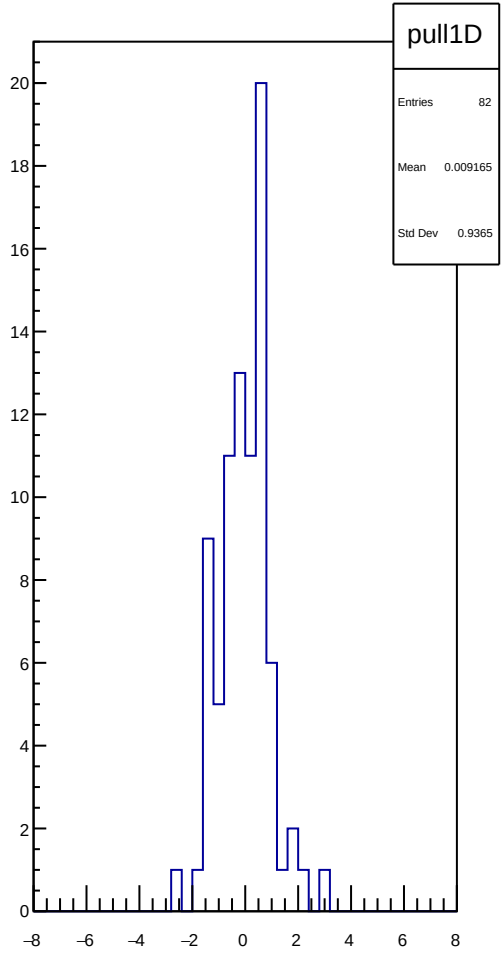
asym_sam8_correction_rms vs run



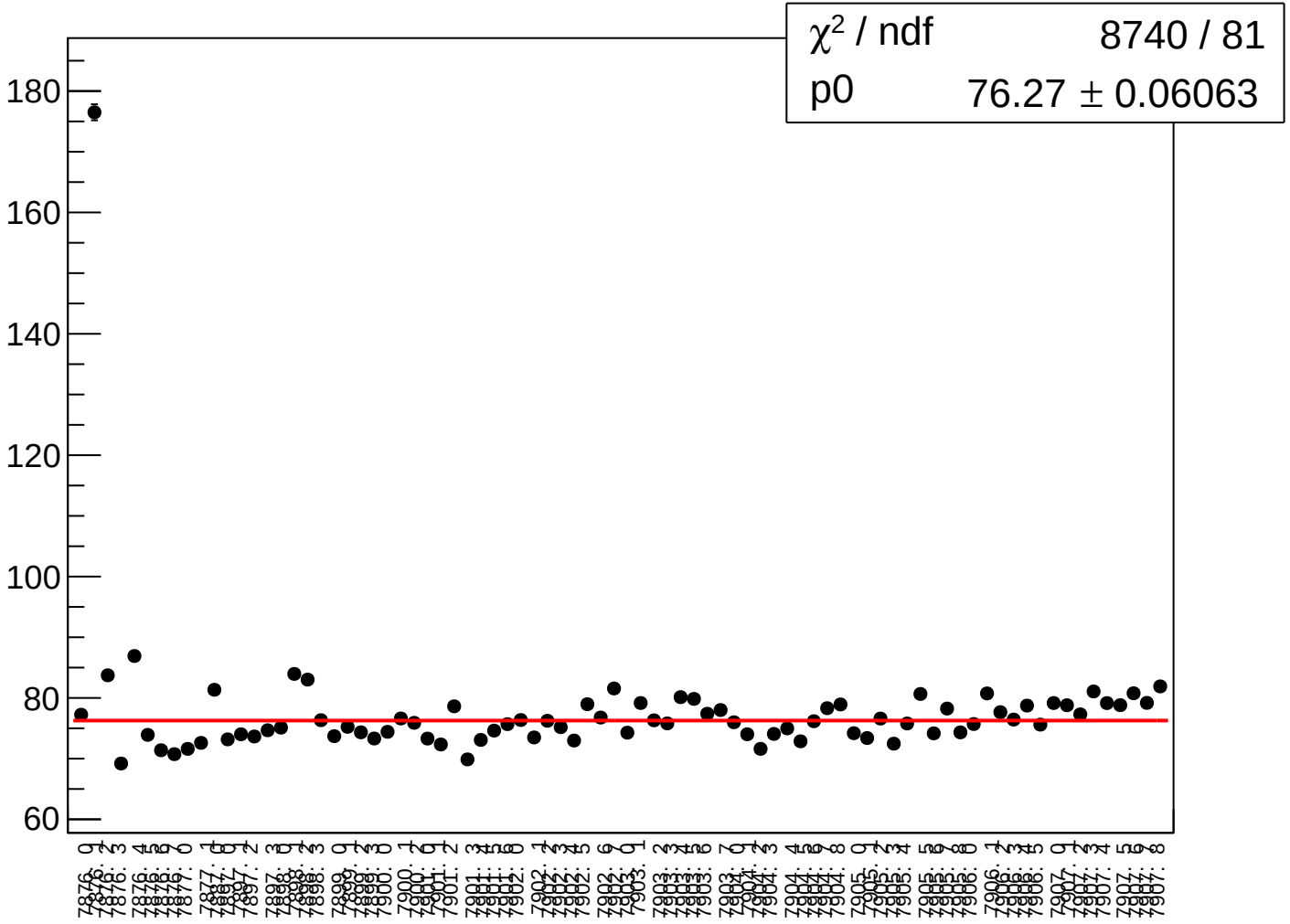

asym_sam8_mean vs run
χ² / ndf 73.93 / 81
p0 1225 ± 785.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 15.23
Std Dev 37.44
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.01522
Std Dev 0.9494
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

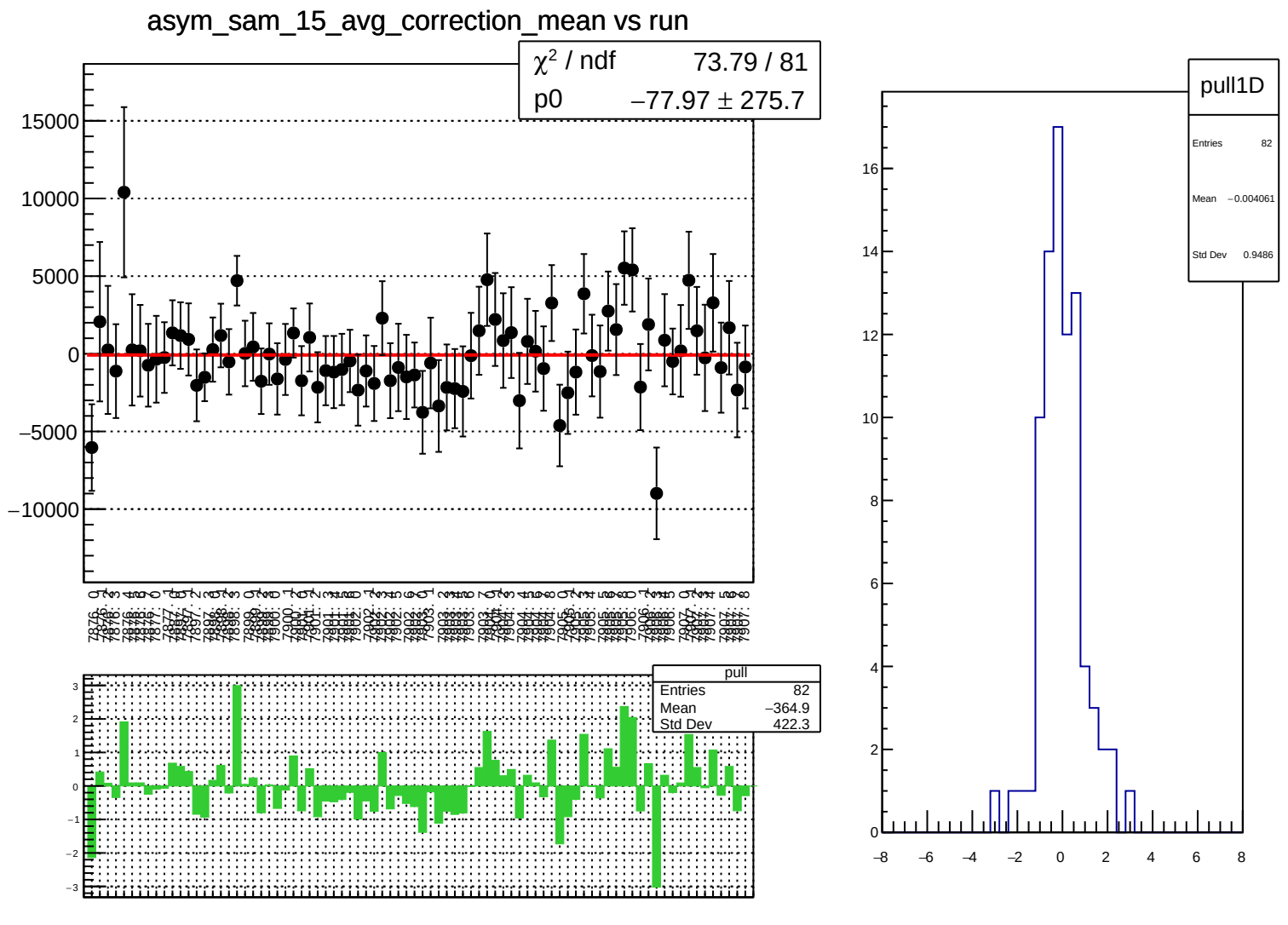

asym_sam8_rms vs run
χ^2 / ndf 2.168e+04 / 81
p0 696 ± 0.5555
1100
1000
900
800
700
600

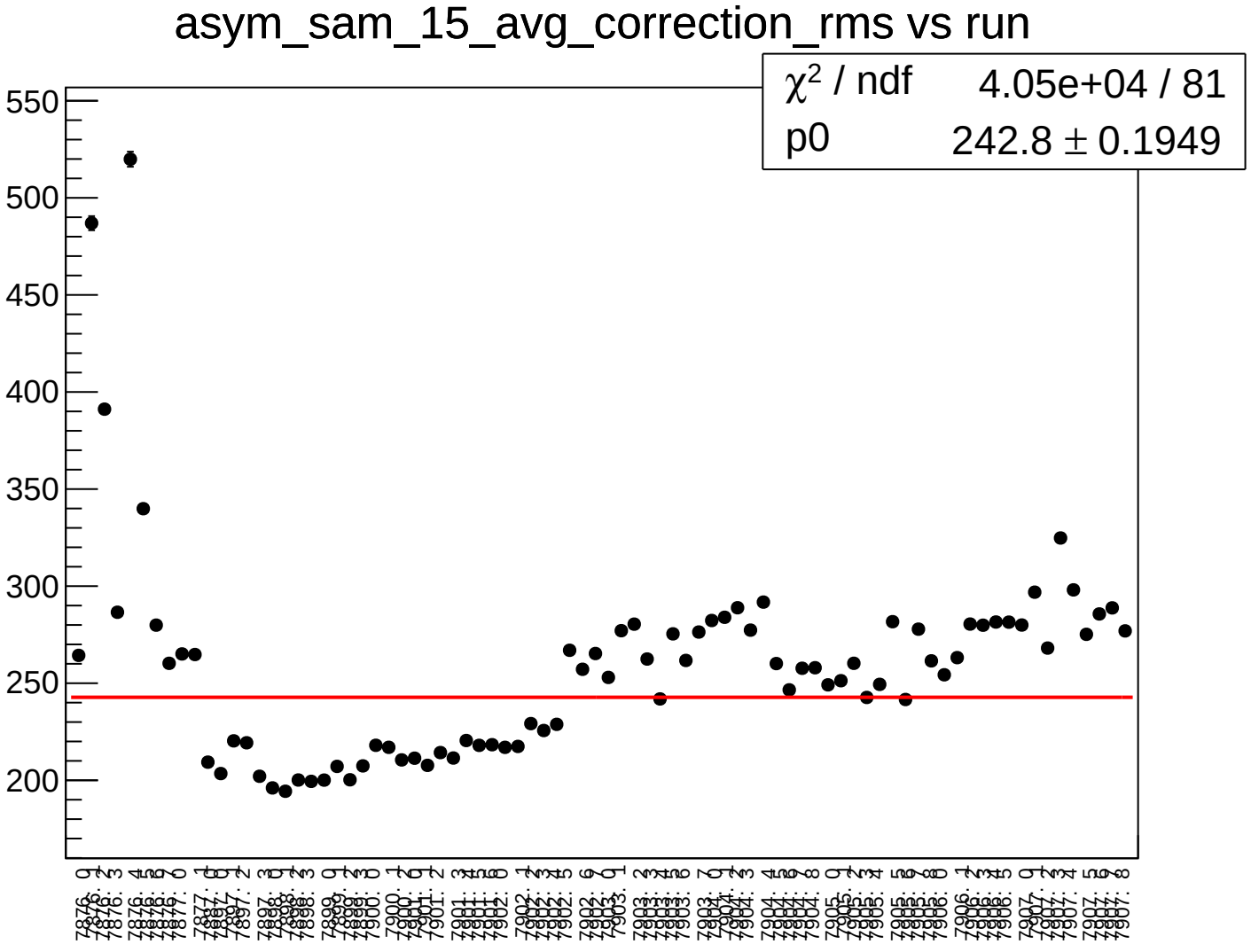

dit_asym_sam_15_avg_mean vs run
χ² / ndf 71.93 / 81
p0 −76.66 ± 85.74
pull
Entries 82
Mean −619.7
Std Dev 657.6

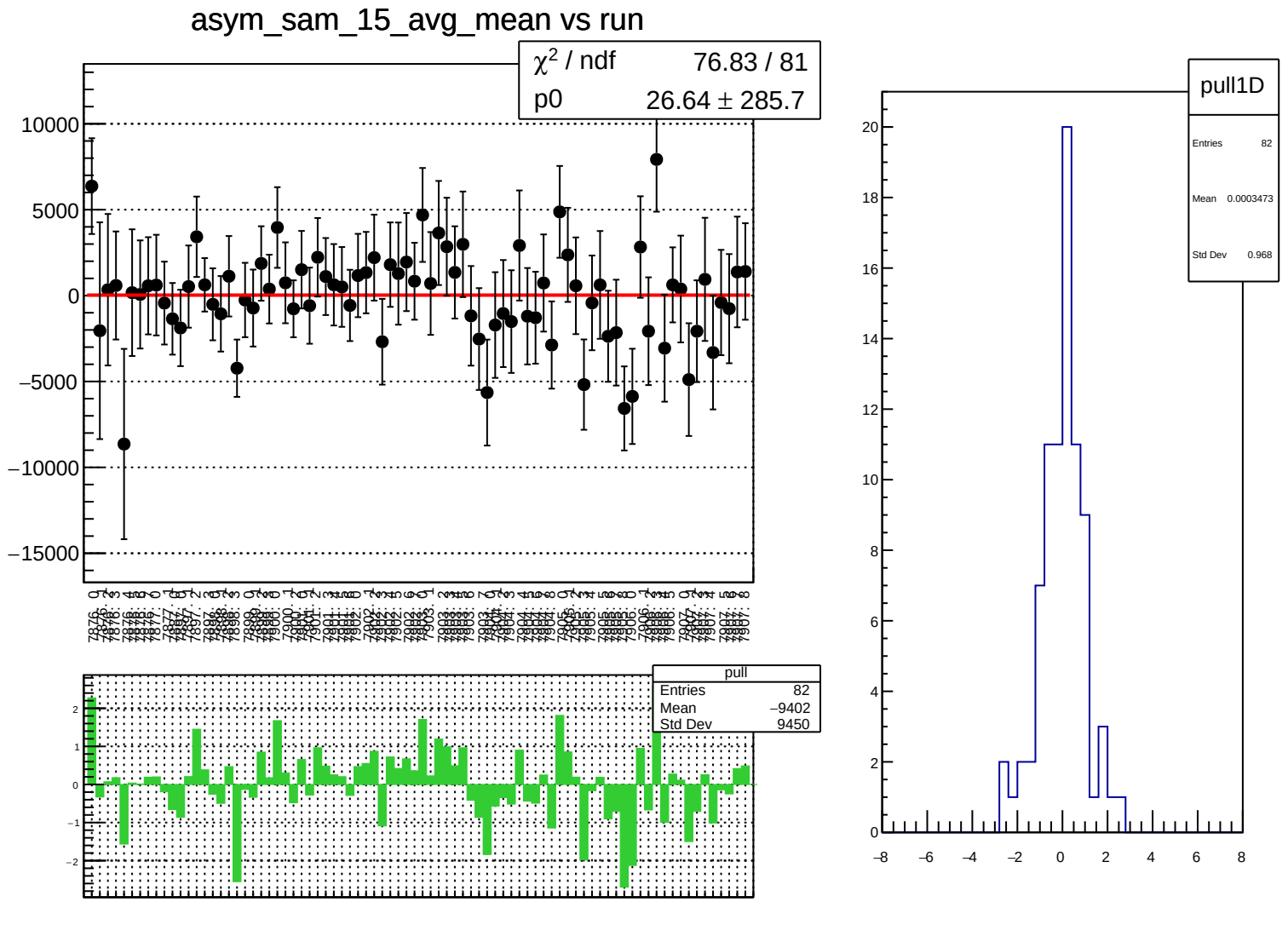

pull1D
Entries 82
Mean 0.009165
Std Dev 0.9365

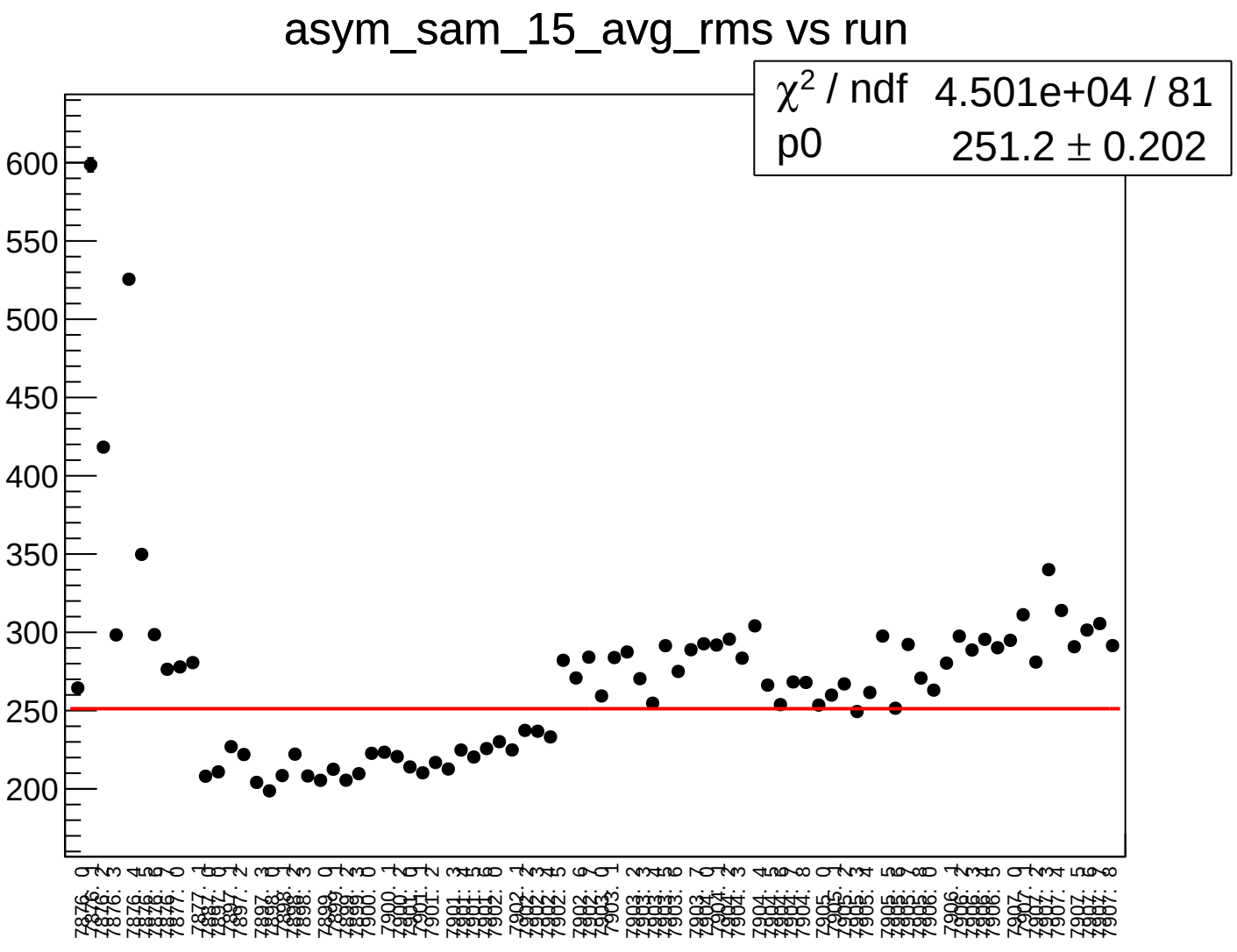
dit_asym_sam_15_avg_rms vs run

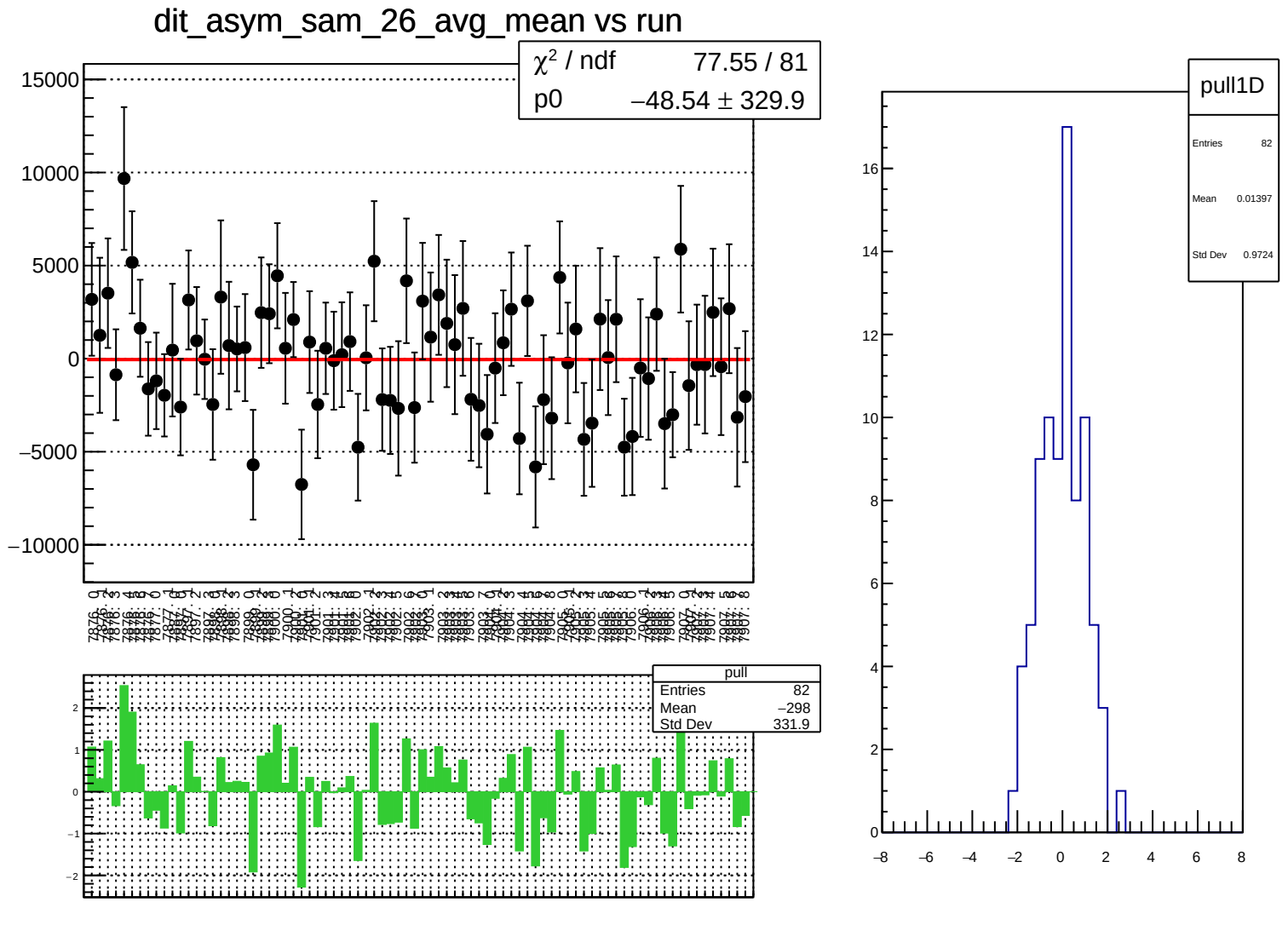



asym_sam_15_avg_correction_mean vs run
χ² / ndf 73.79 / 81
p0 −77.97 ± 275.7
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −364.9
Std Dev 422.3
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.004061
Std Dev 0.9486
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

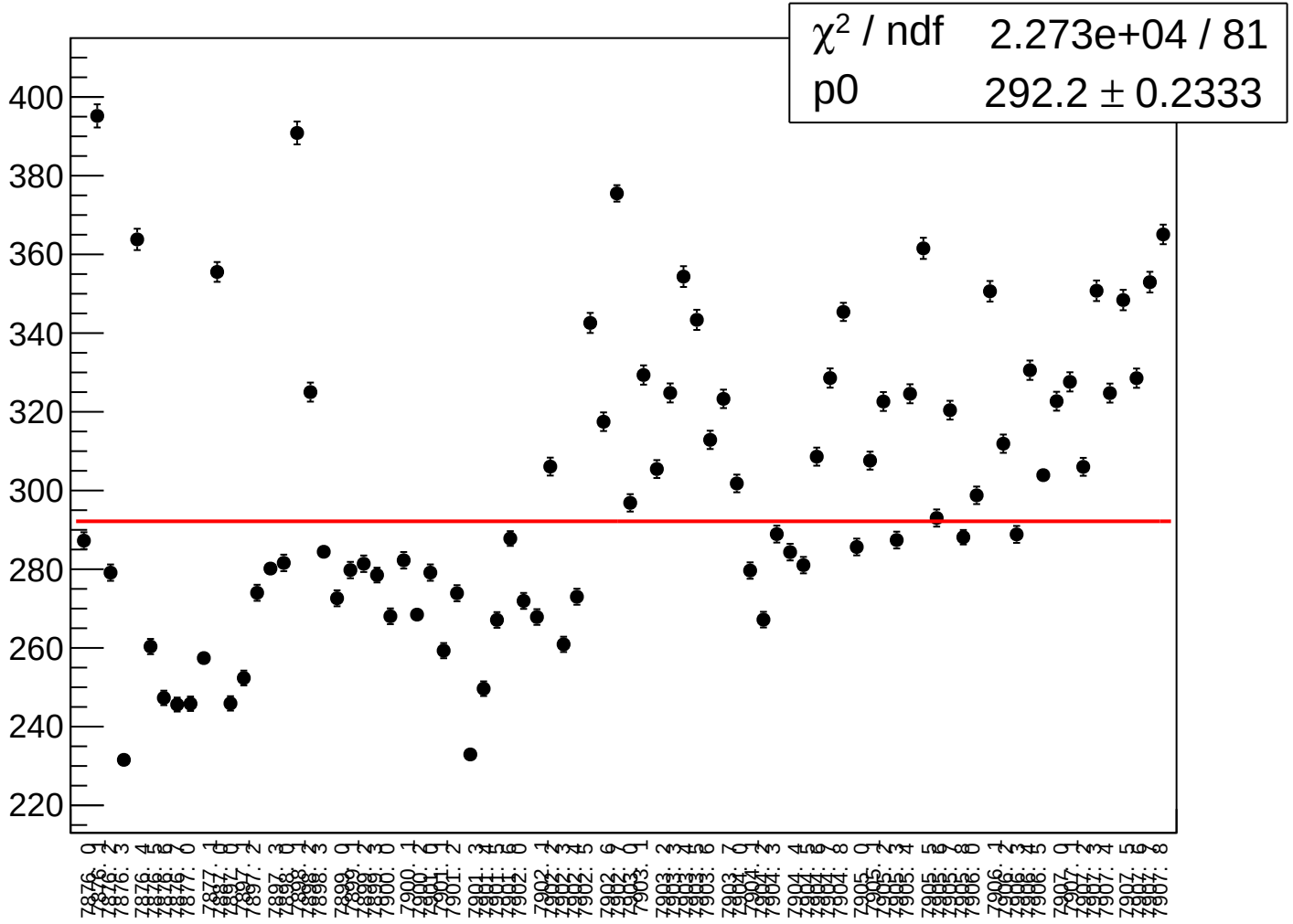

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 4.05e+04 / 81
p0 242.8 ± 0.1949
550
500
450
400
350
300
250
200

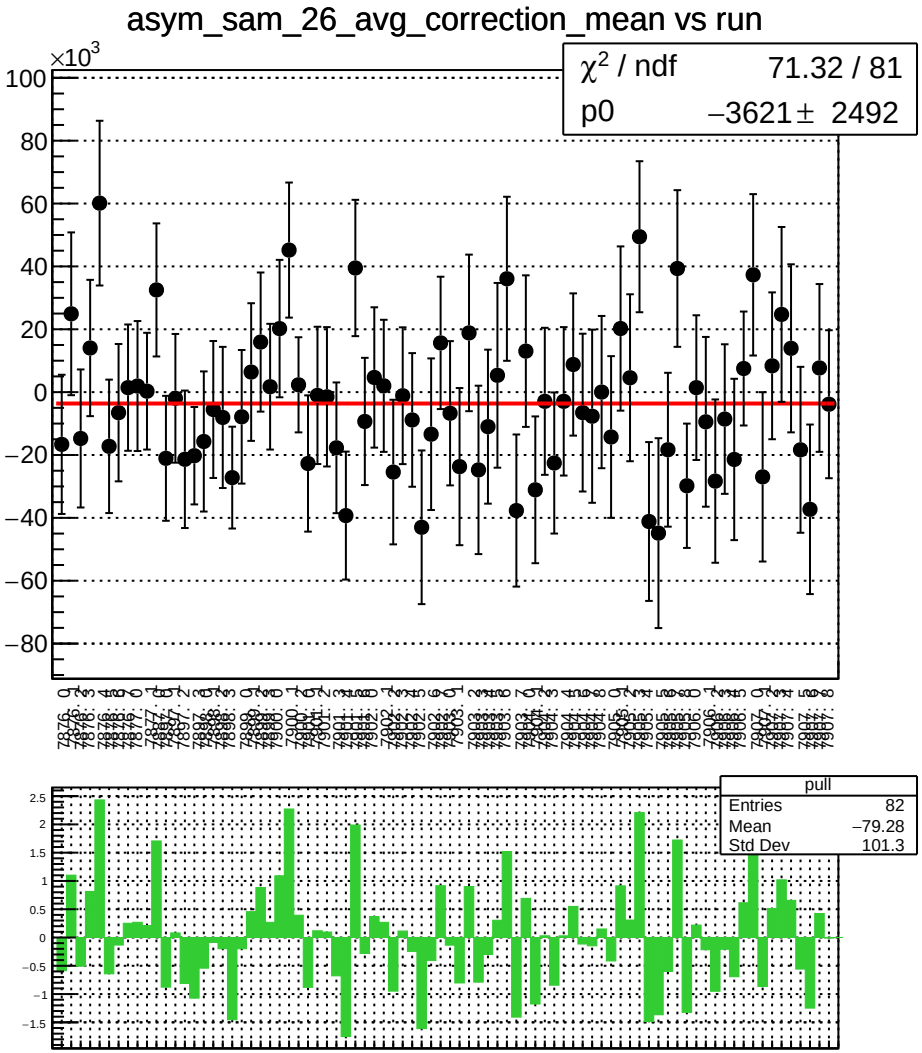

asym_sam_15_avg_mean vs run
χ² / ndf 76.83 / 81
p0 26.64 ± 285.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −9402
Std Dev 9450
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0003473
Std Dev 0.968
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

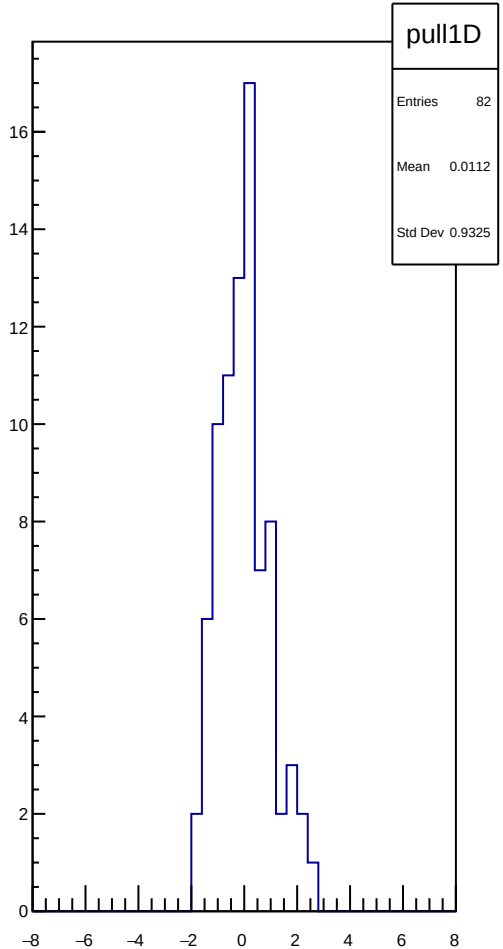

asym_sam_15_avg_rms vs run
χ^2 / ndf 4.501e+04 / 81
p0 251.2 ± 0.202
600
550
500
450
400
350
300
250
200


dit_asym_sam_26_avg_mean vs run
χ² / ndf 77.55 / 81
p0 −48.54 ± 329.9
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −298
Std Dev 331.9
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01397
Std Dev 0.9724
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

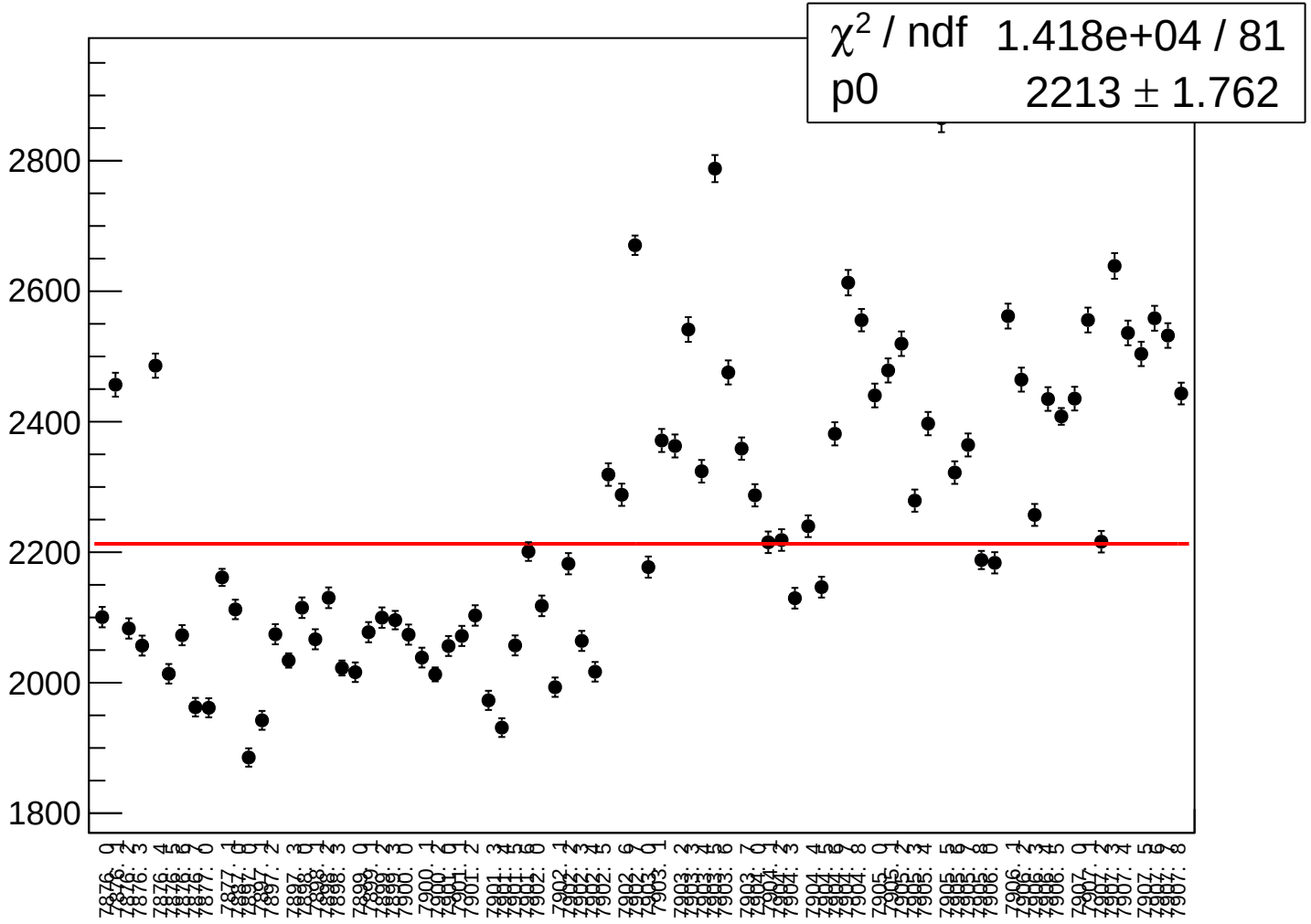
dit_asym_sam_26_avg_rms vs run

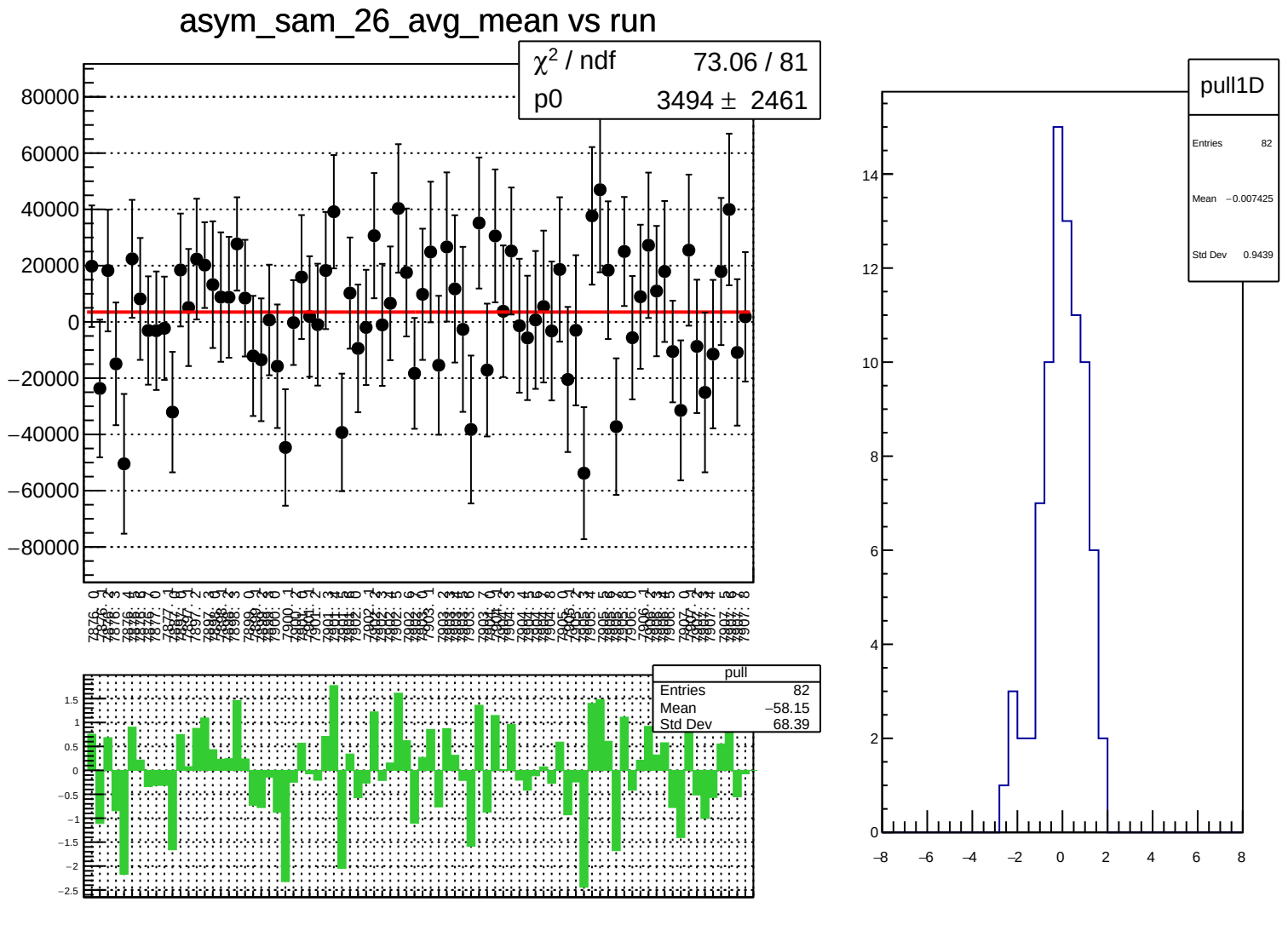


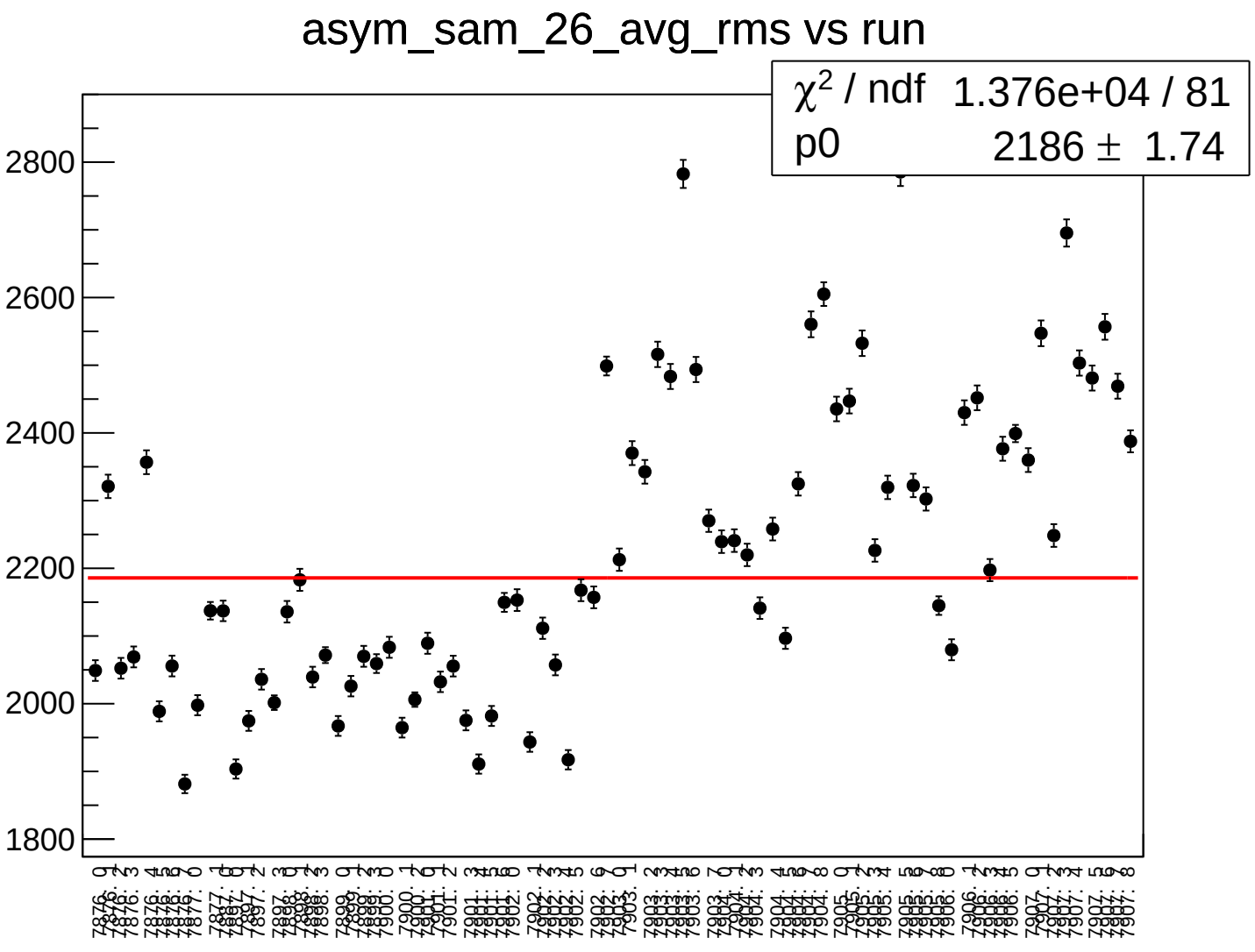

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 71.32 / 81
p0 −3621 ± 2492
pull
Entries 82
Mean −79.28
Std Dev 101.3

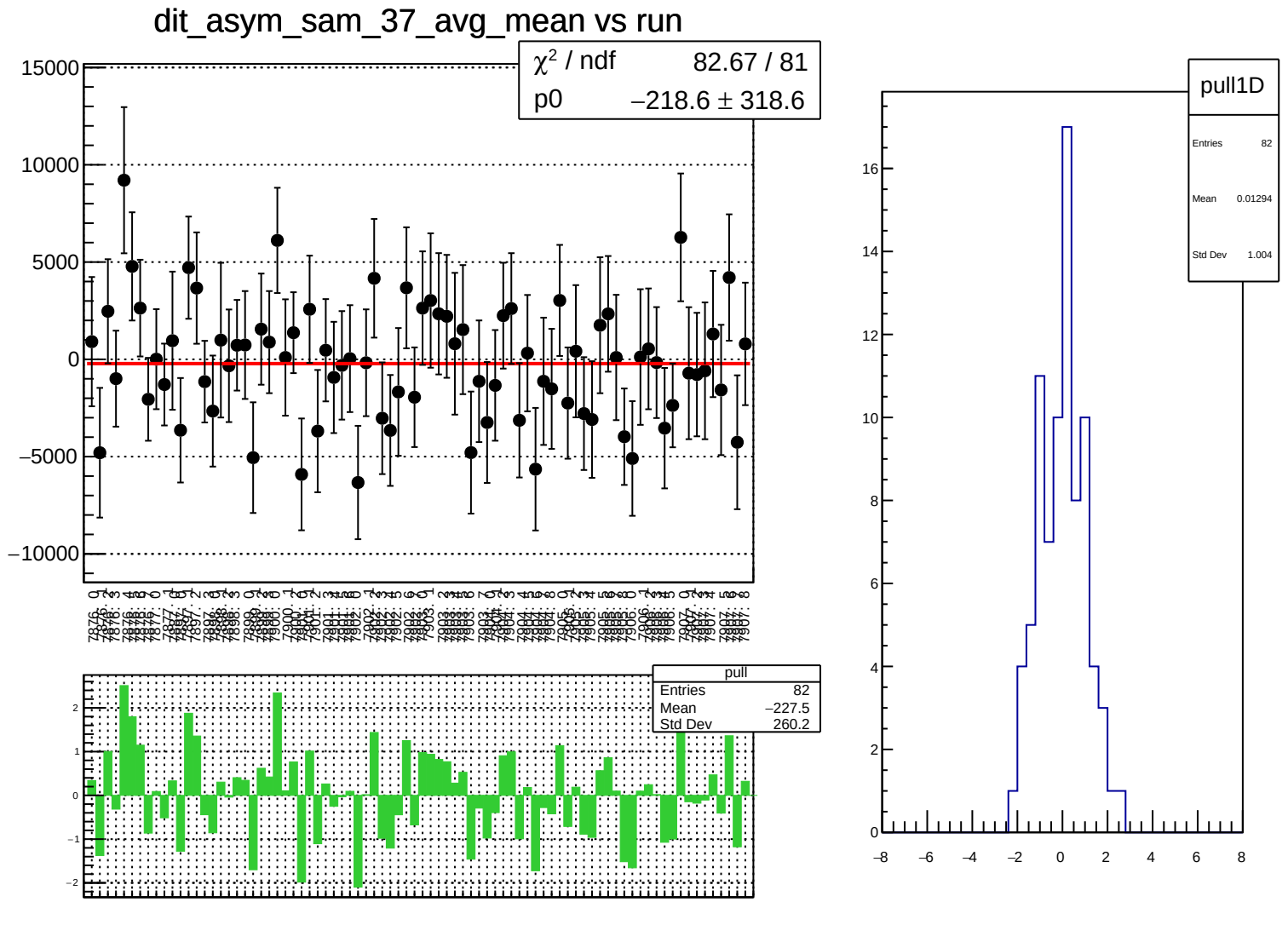

pull1D
Entries 82
Mean 0.0112
Std Dev 0.9325

asym_sam_26_avg_correction_rms vs run

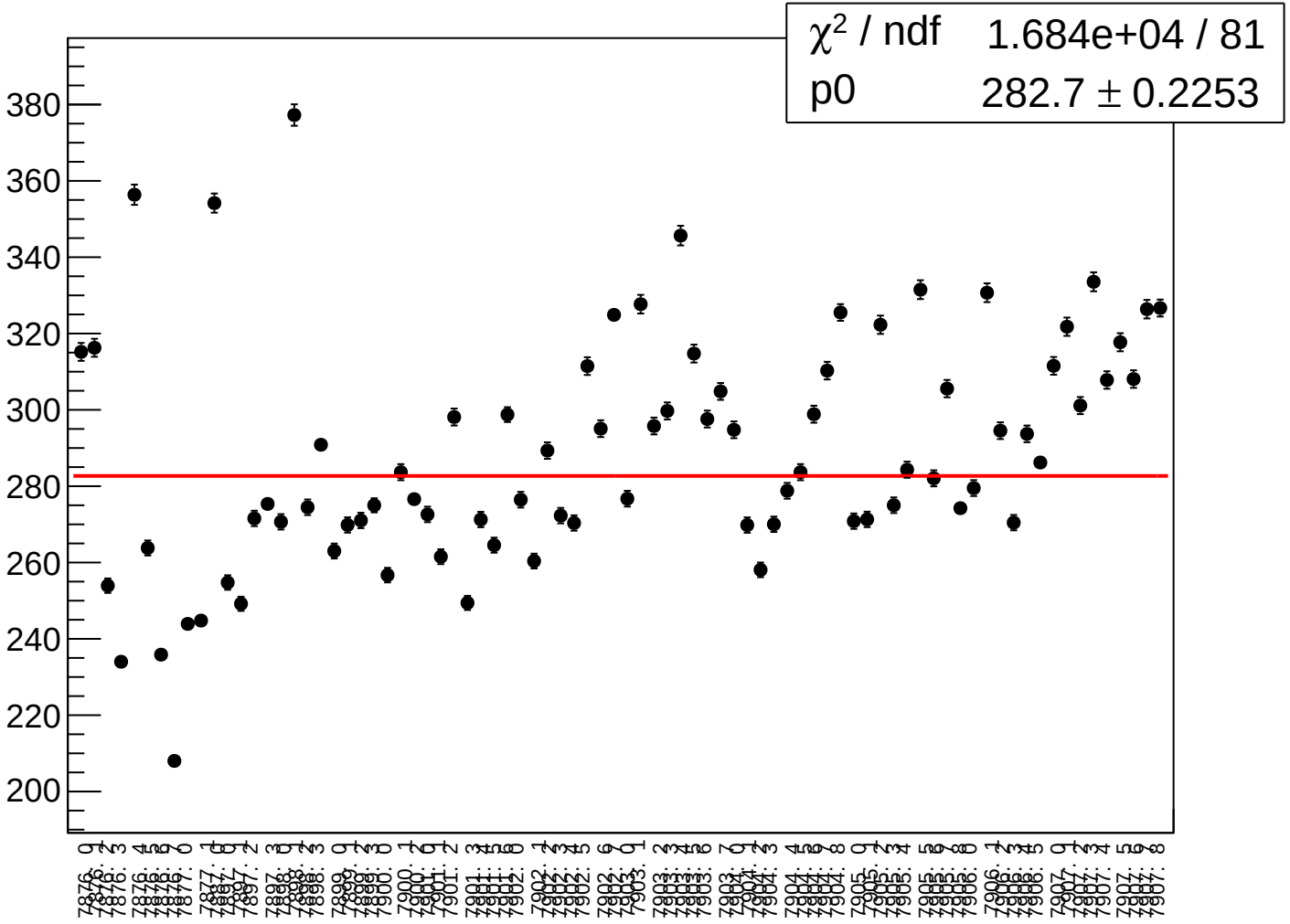


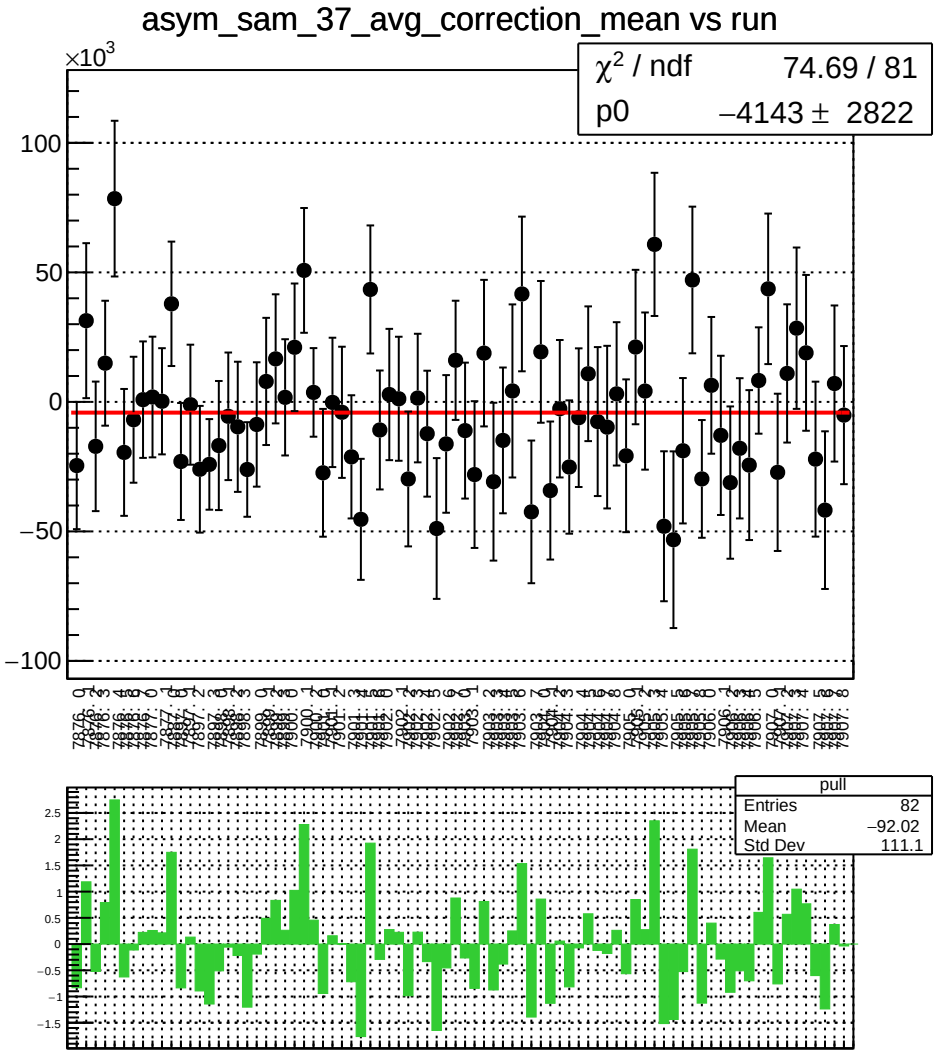

asym_sam_26_avg_mean vs run
χ² / ndf 73.06 / 81
p0 3494 ± 2461
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −58.15
Std Dev 68.39
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.007425
Std Dev 0.9439
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

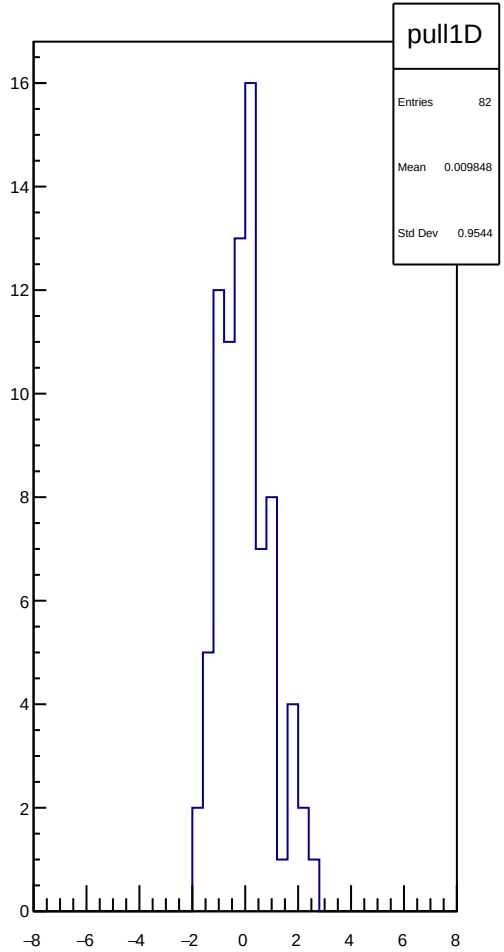

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.376e+04 / 81
p0 2186 ± 1.74
2800
2600
2400
2200
2000
1800


dit_asym_sam_37_avg_mean vs run
χ² / ndf 82.67 / 81
p0 −218.6 ± 318.6
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −227.5
Std Dev 260.2
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01294
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

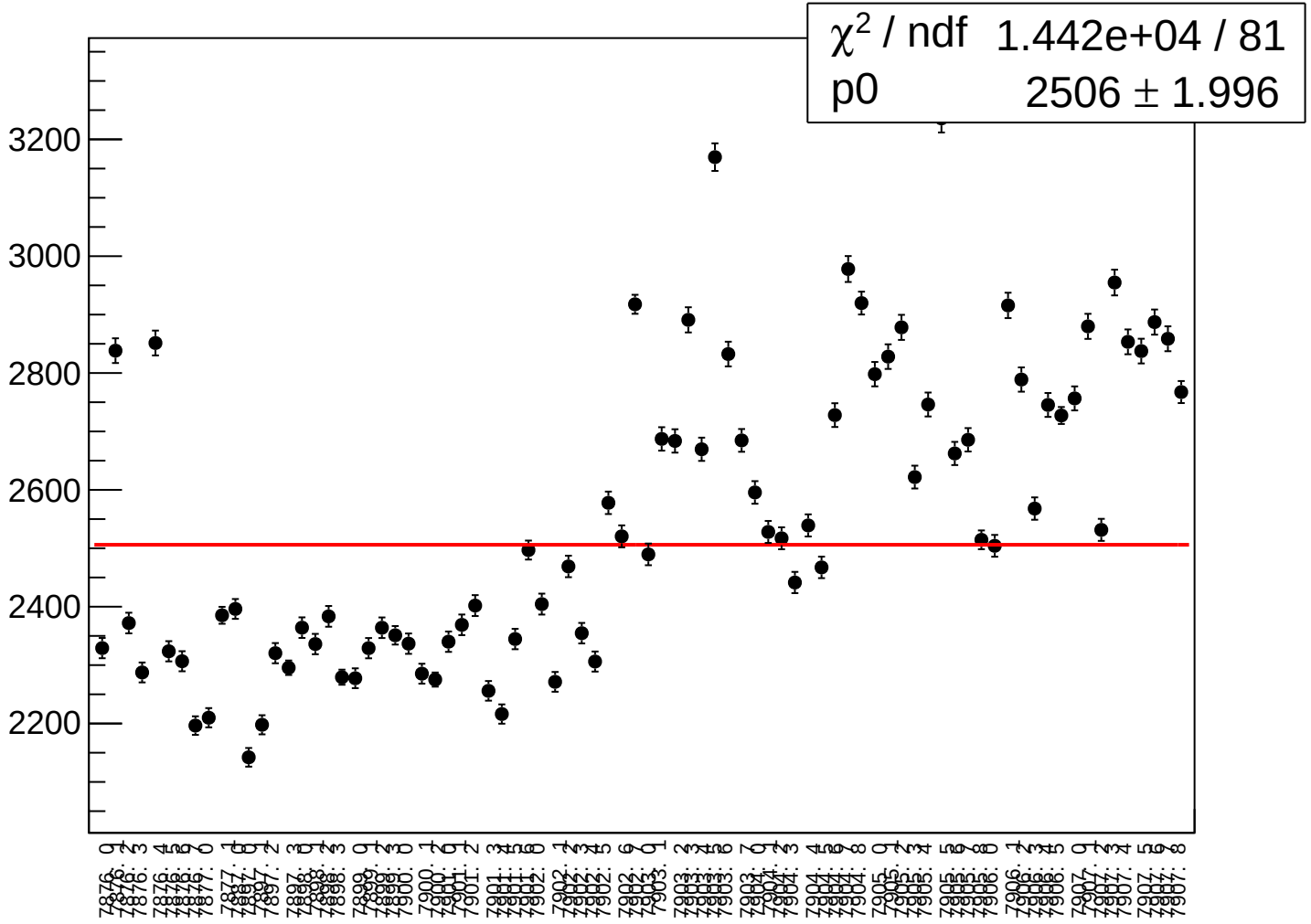
dit_asym_sam_37_avg_rms vs run

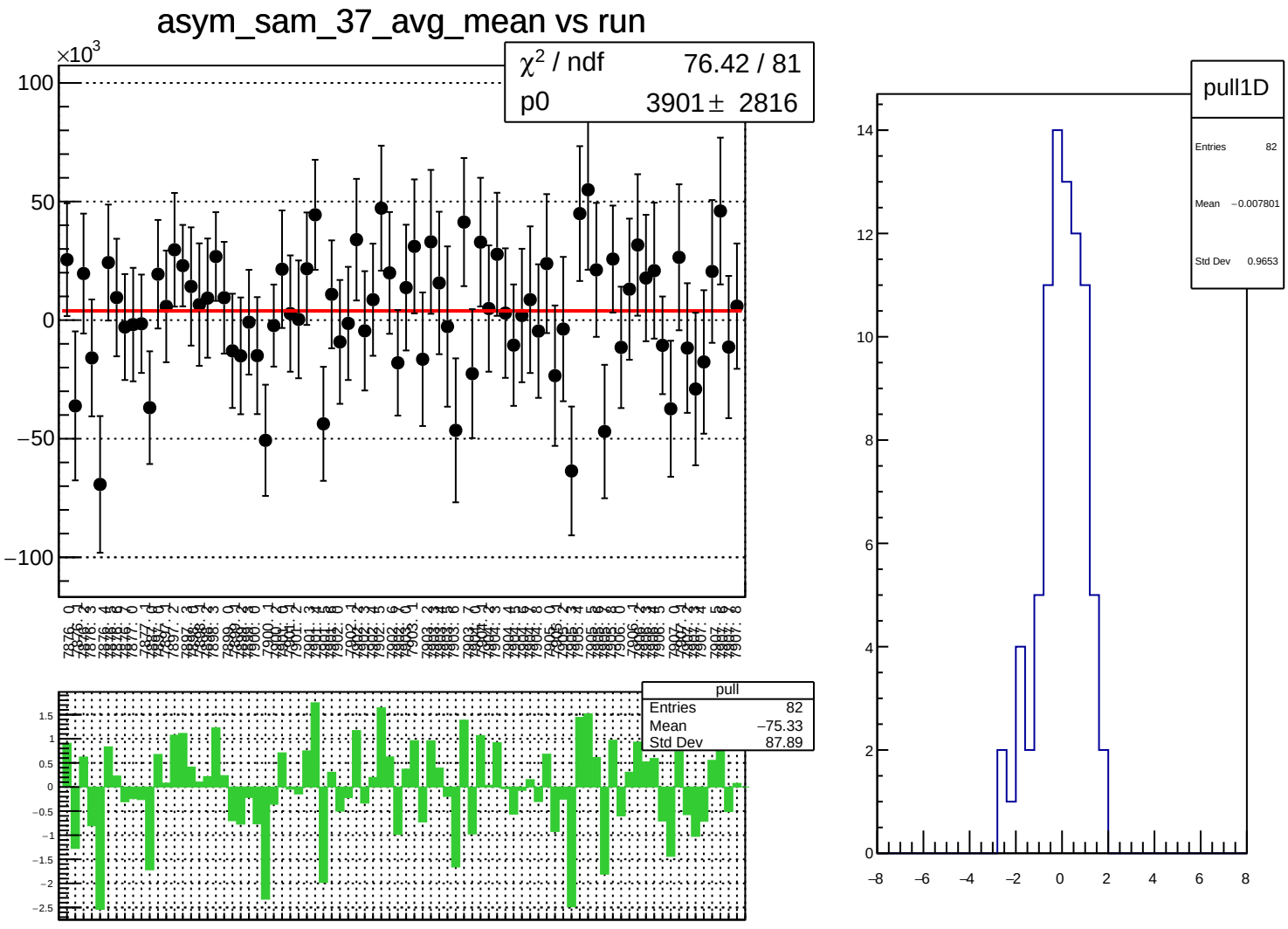



asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 74.69 / 81
p0 −4143 ± 2822
pull
Entries 82
Mean −92.02
Std Dev 111.1

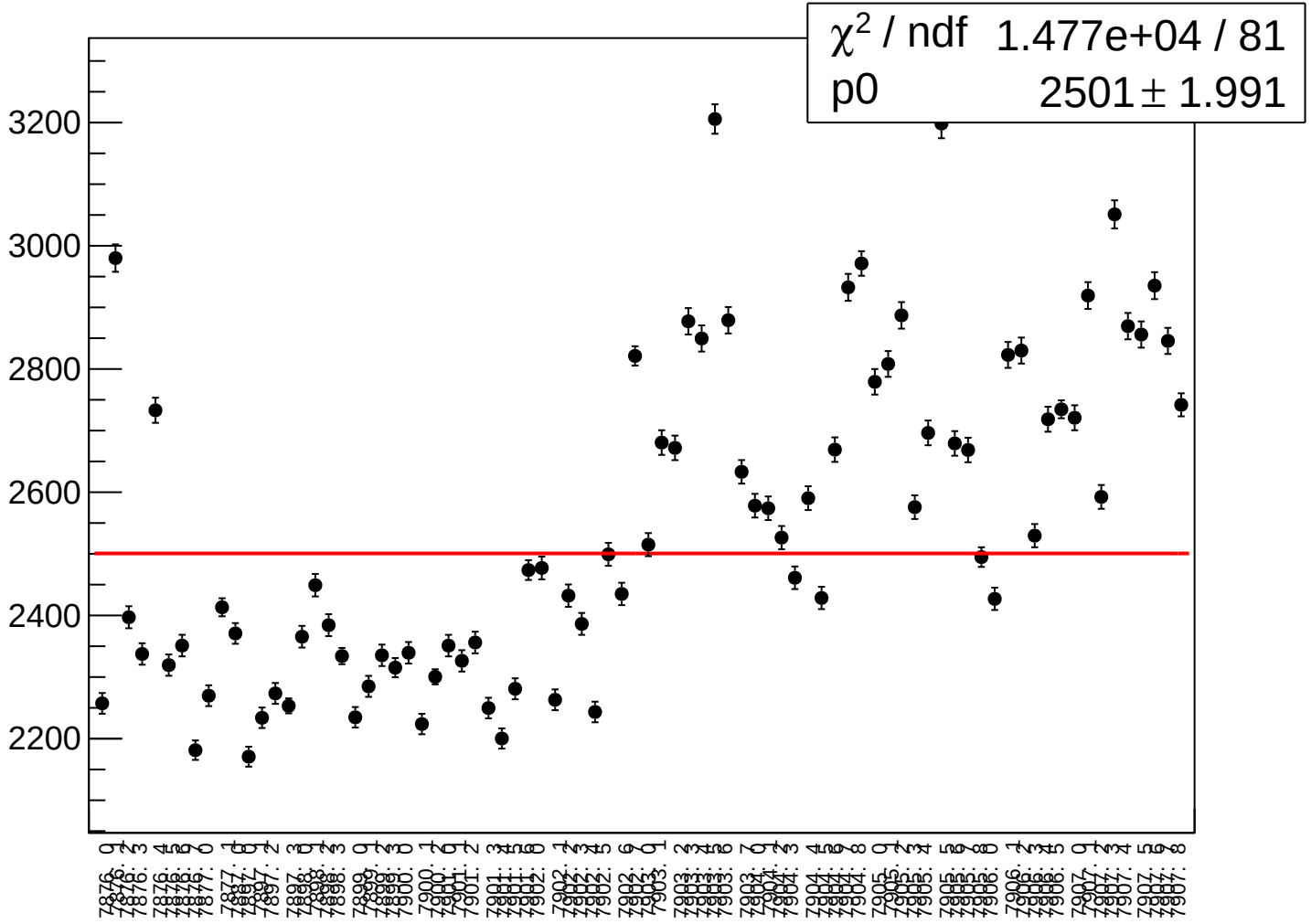

pull1D
Entries 82
Mean 0.009848
Std Dev 0.9544

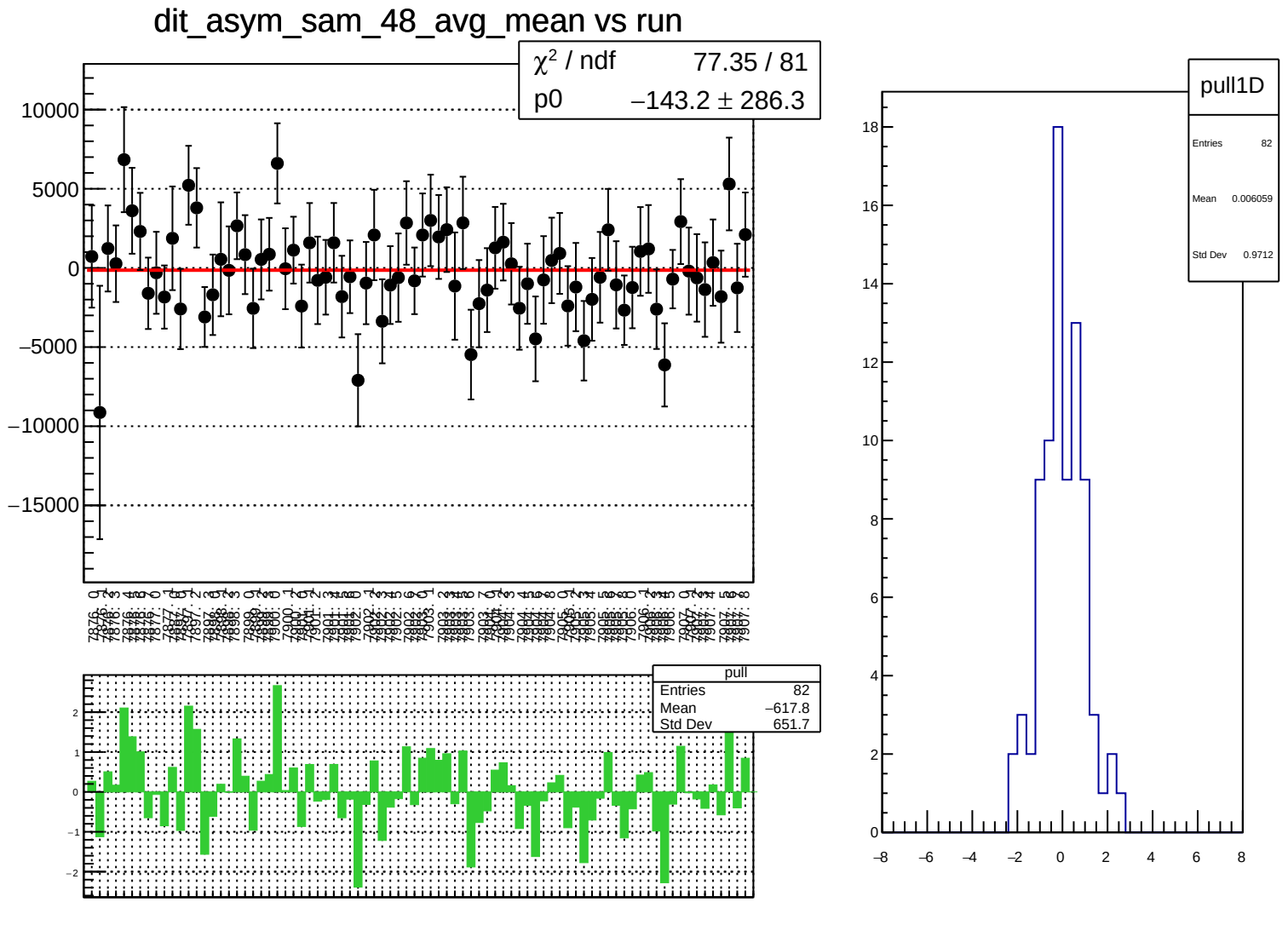
asym_sam_37_avg_correction_rms vs run



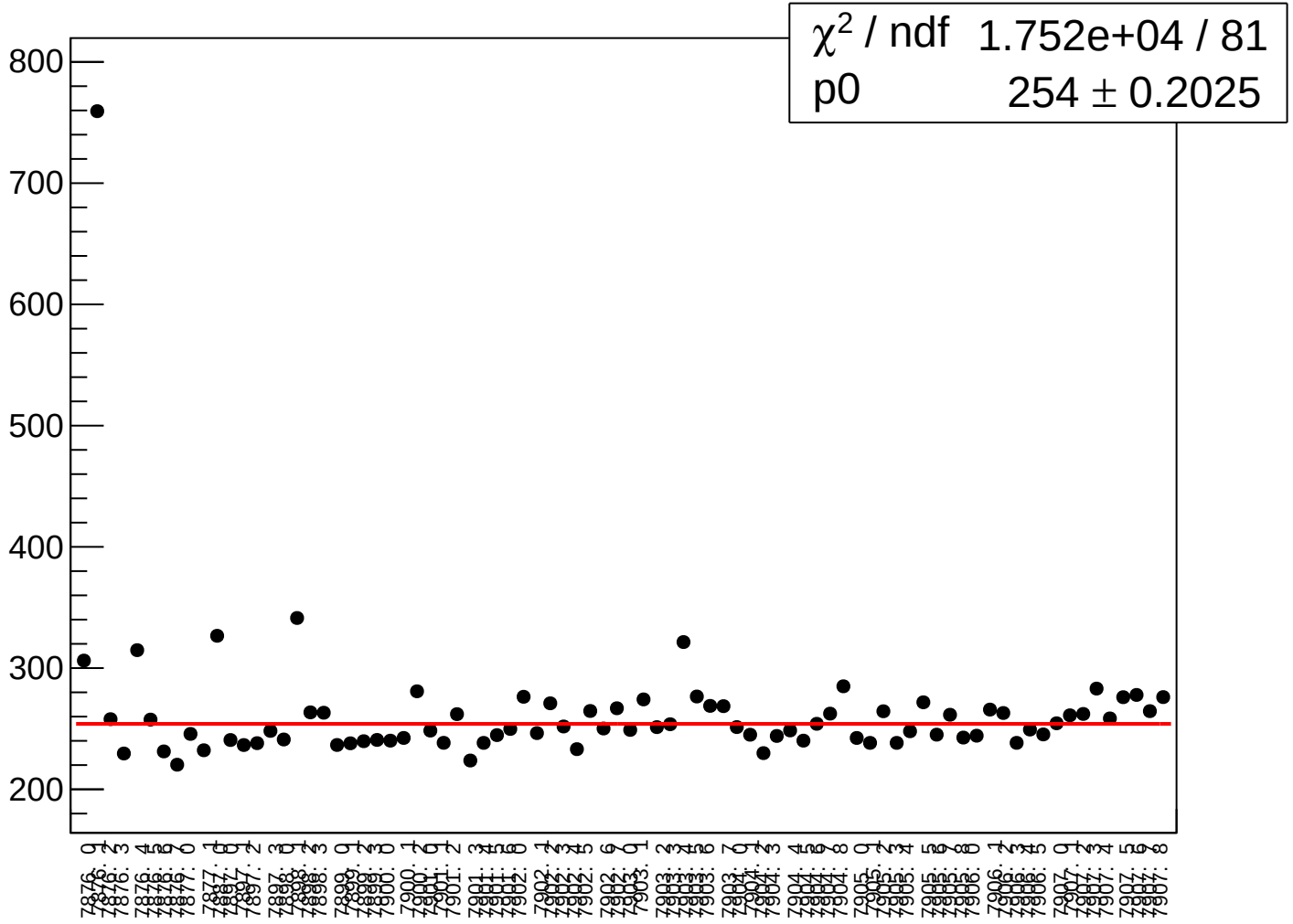

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 76.42 / 81
p0 3901 ± 2816
pull
Entries 82
Mean −75.33
Std Dev 87.89
pull1D
Entries 82
Mean −0.007801
Std Dev 0.9653

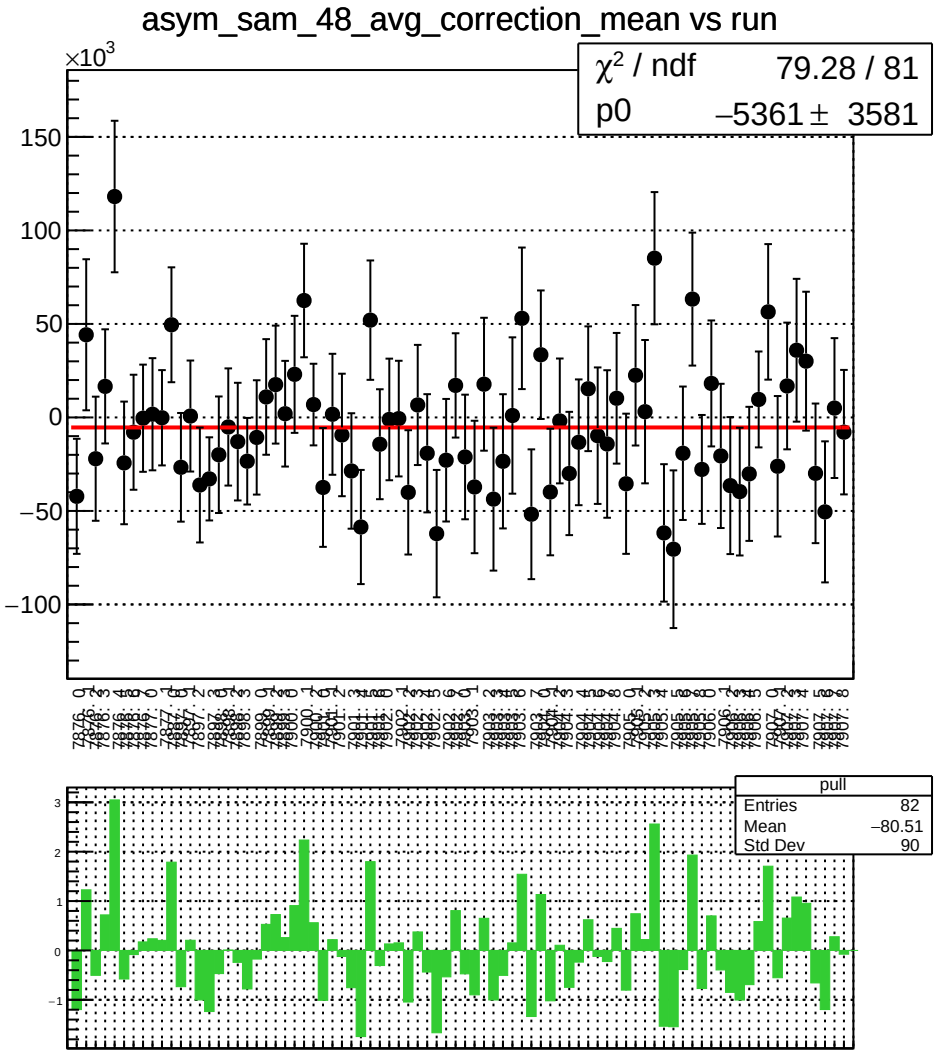
asym_sam_37_avg_rms vs run

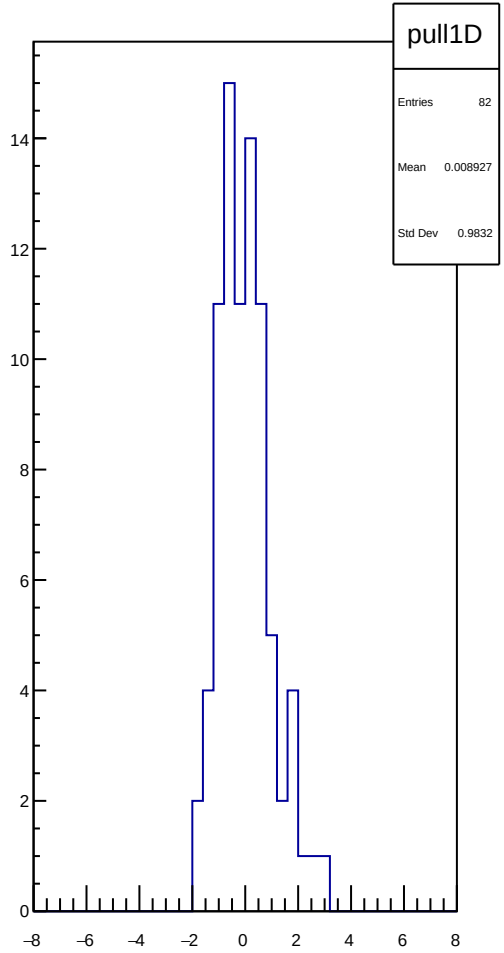



dit_asym_sam_48_avg_mean vs run
χ² / ndf 77.35 / 81
p0 −143.2 ± 286.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −617.8
Std Dev 651.7
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.006059
Std Dev 0.9712
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

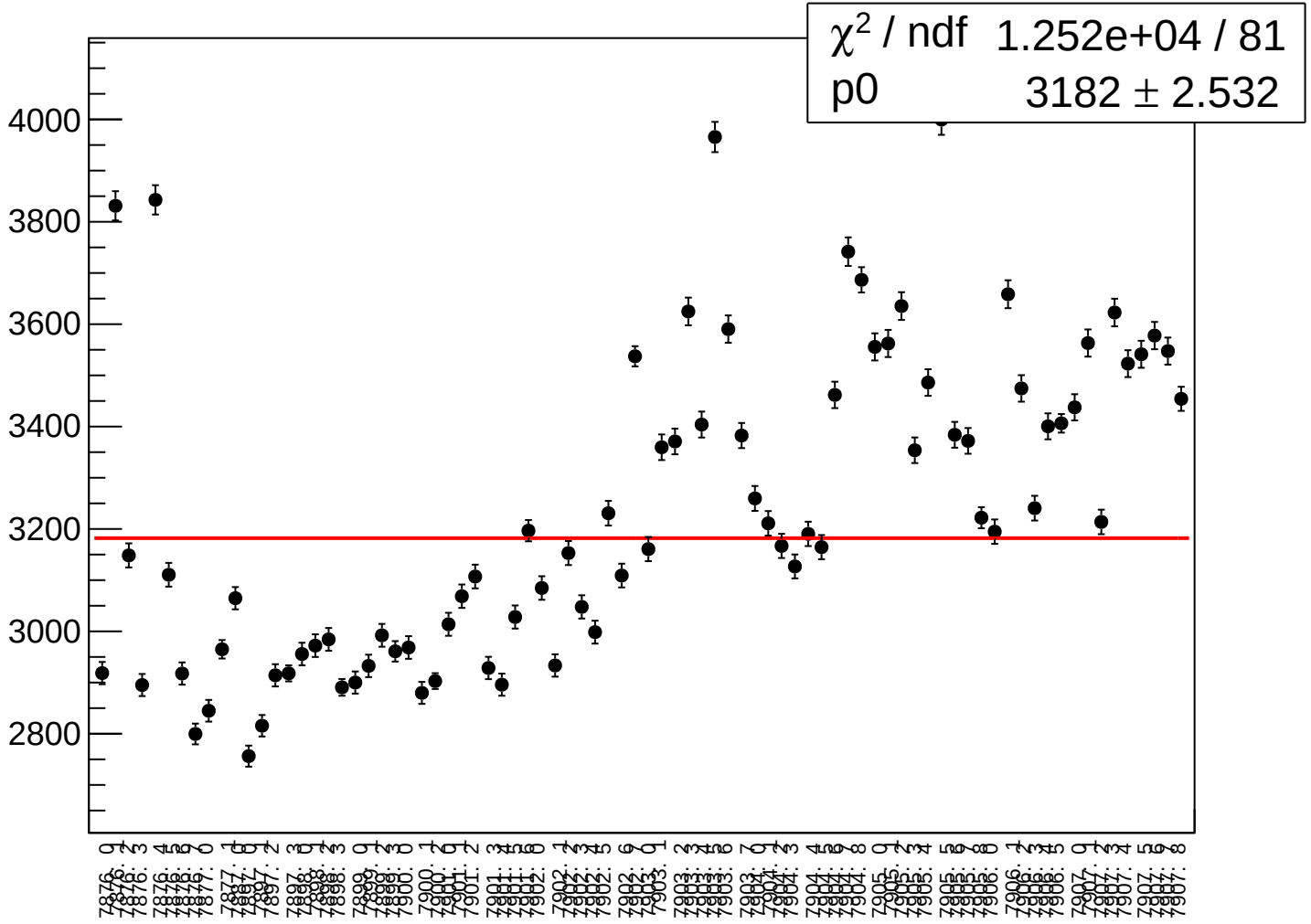
dit_asym_sam_48_avg_rms vs run

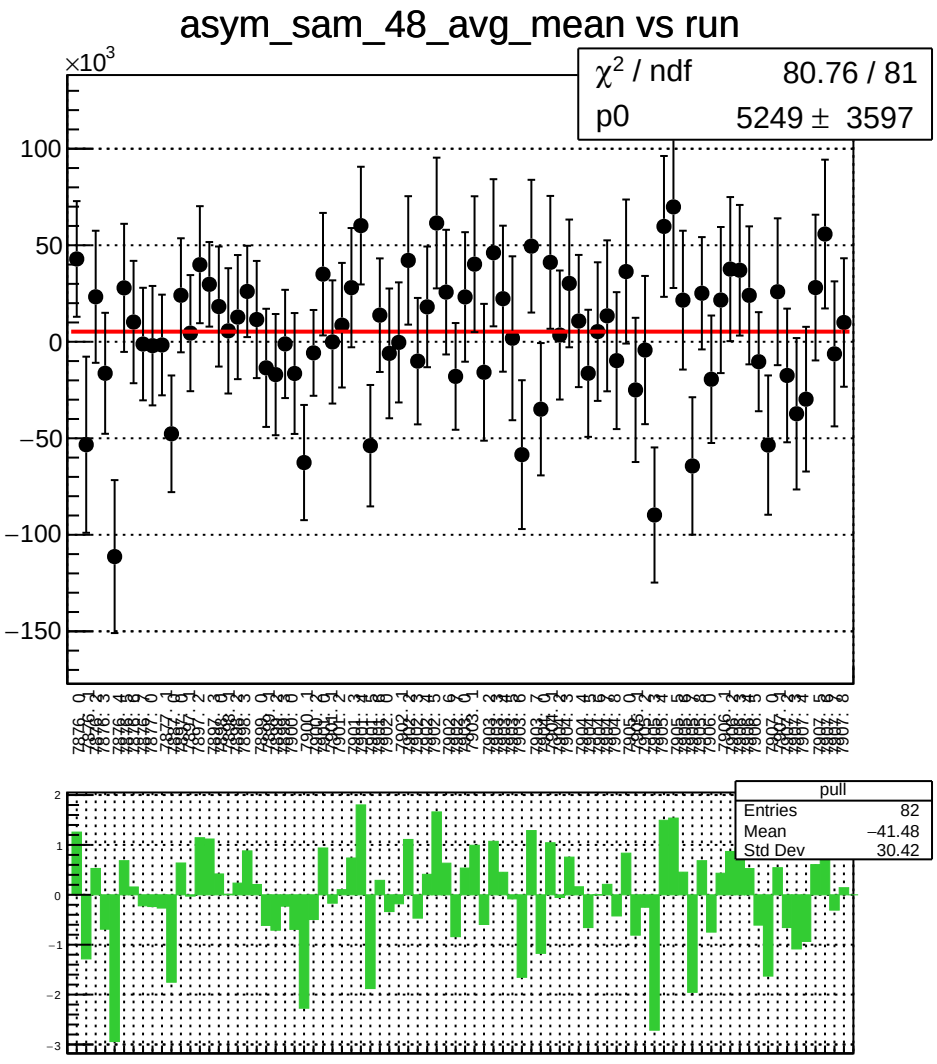


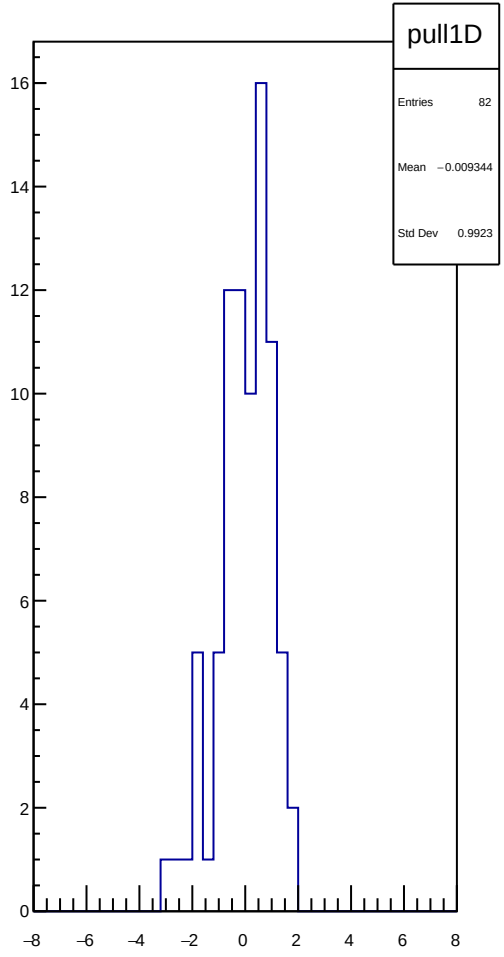

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 79.28 / 81
p0 −5361 ± 3581
150
100
50
0
−50
−100
pull
Entries 82
Mean −80.51
Std Dev 90
3
2
1
0
−1

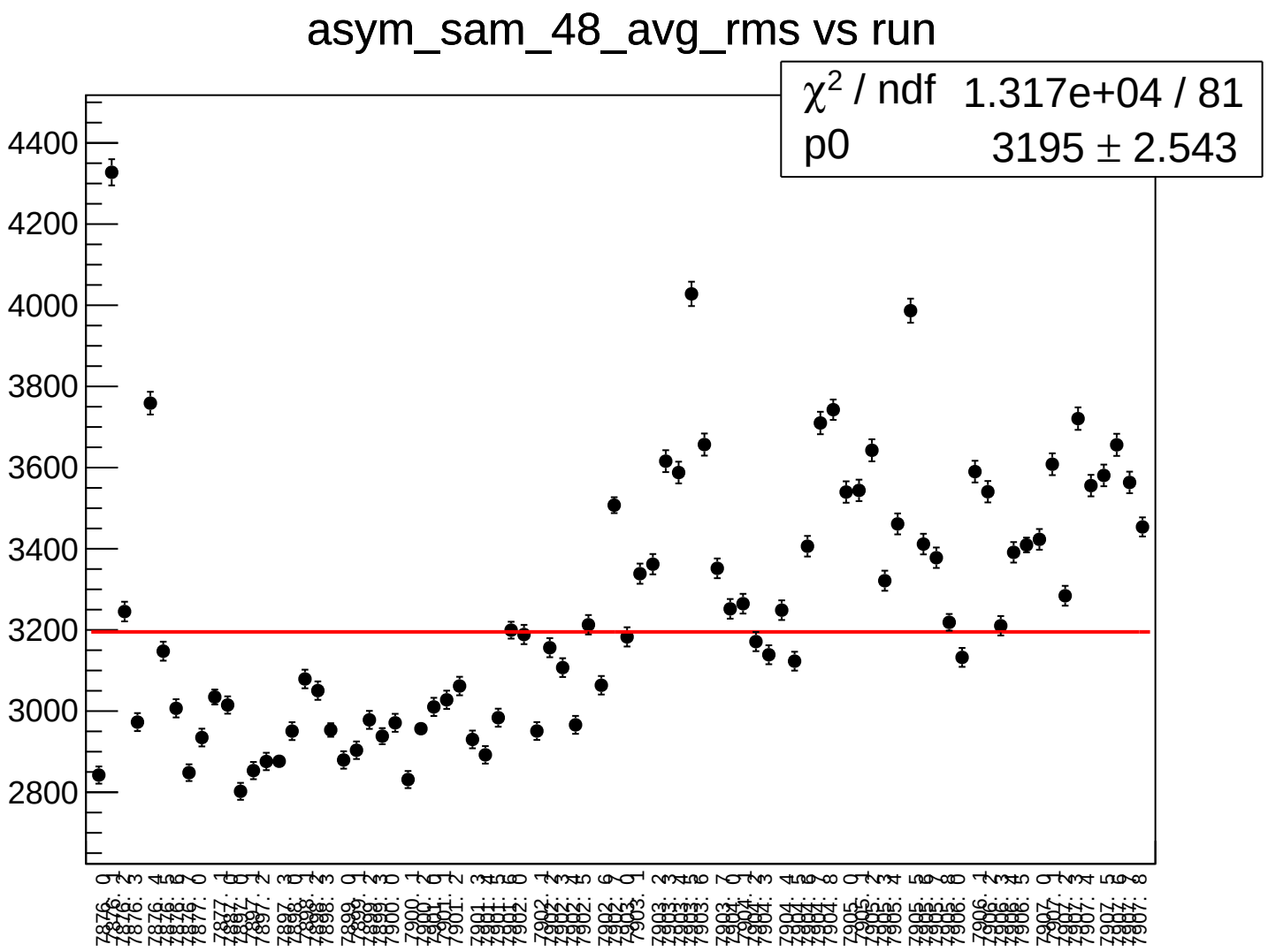

pull1D
Entries 82
Mean 0.008927
Std Dev 0.9832
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

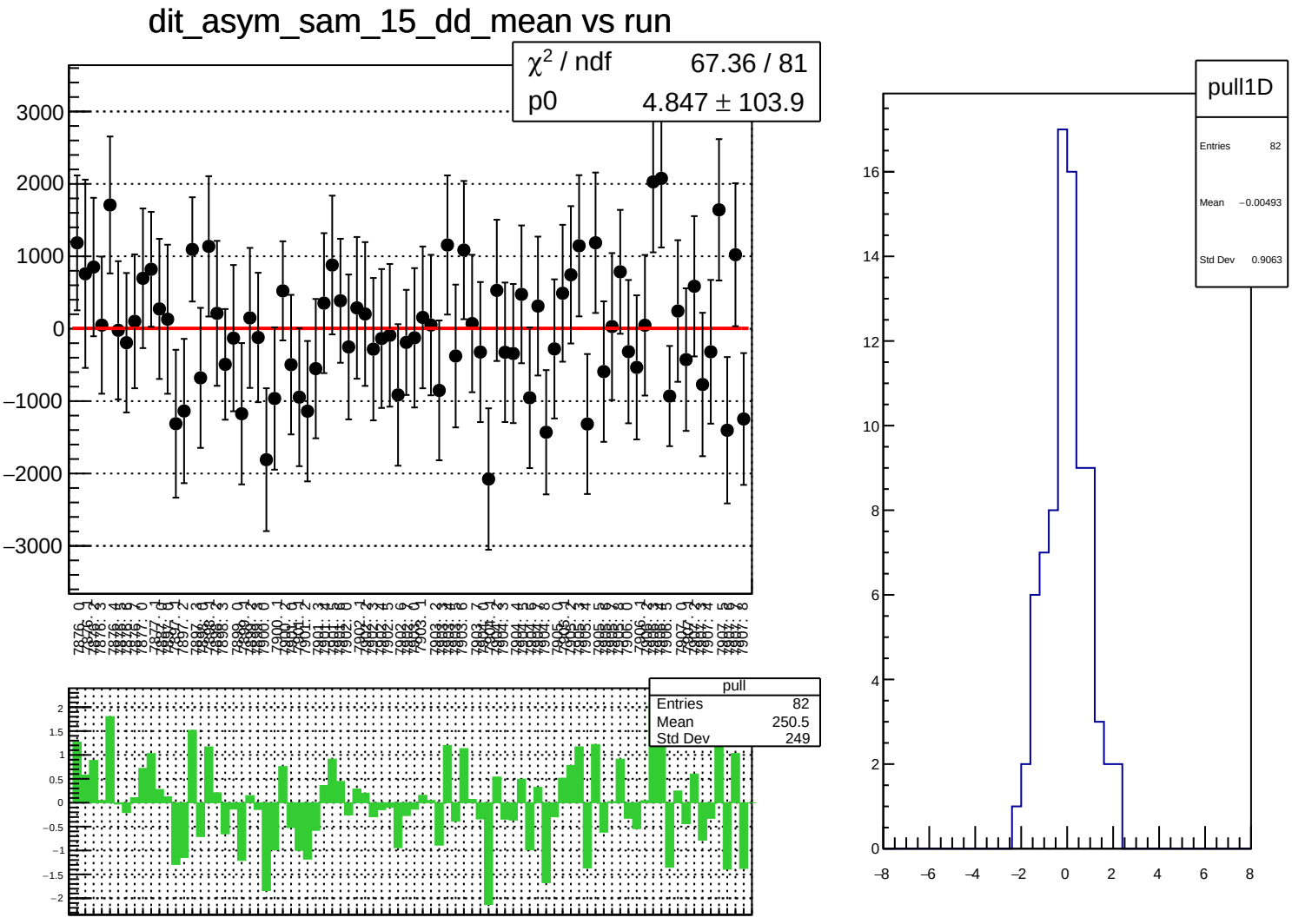
asym_sam_48_avg_correction_rms vs run

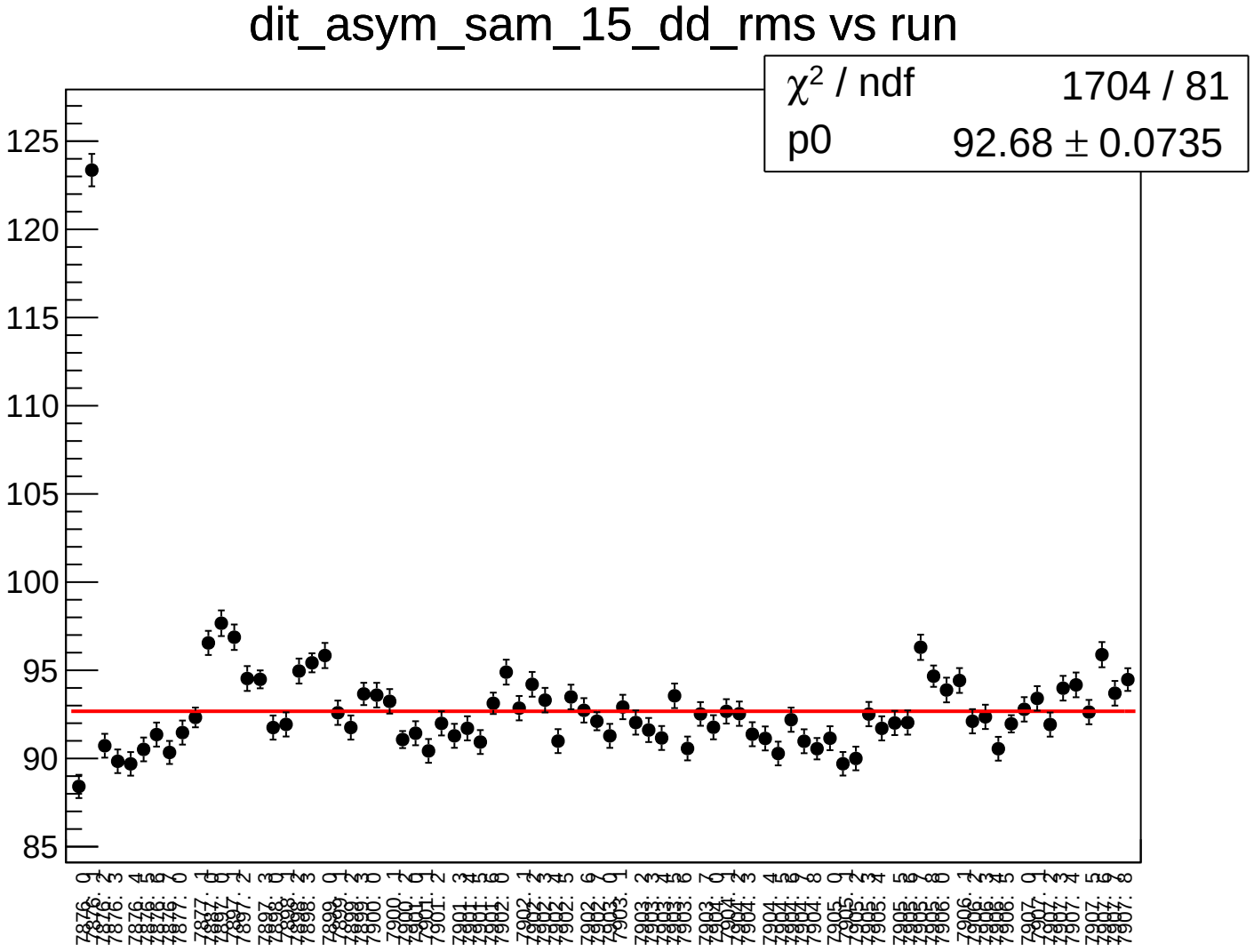


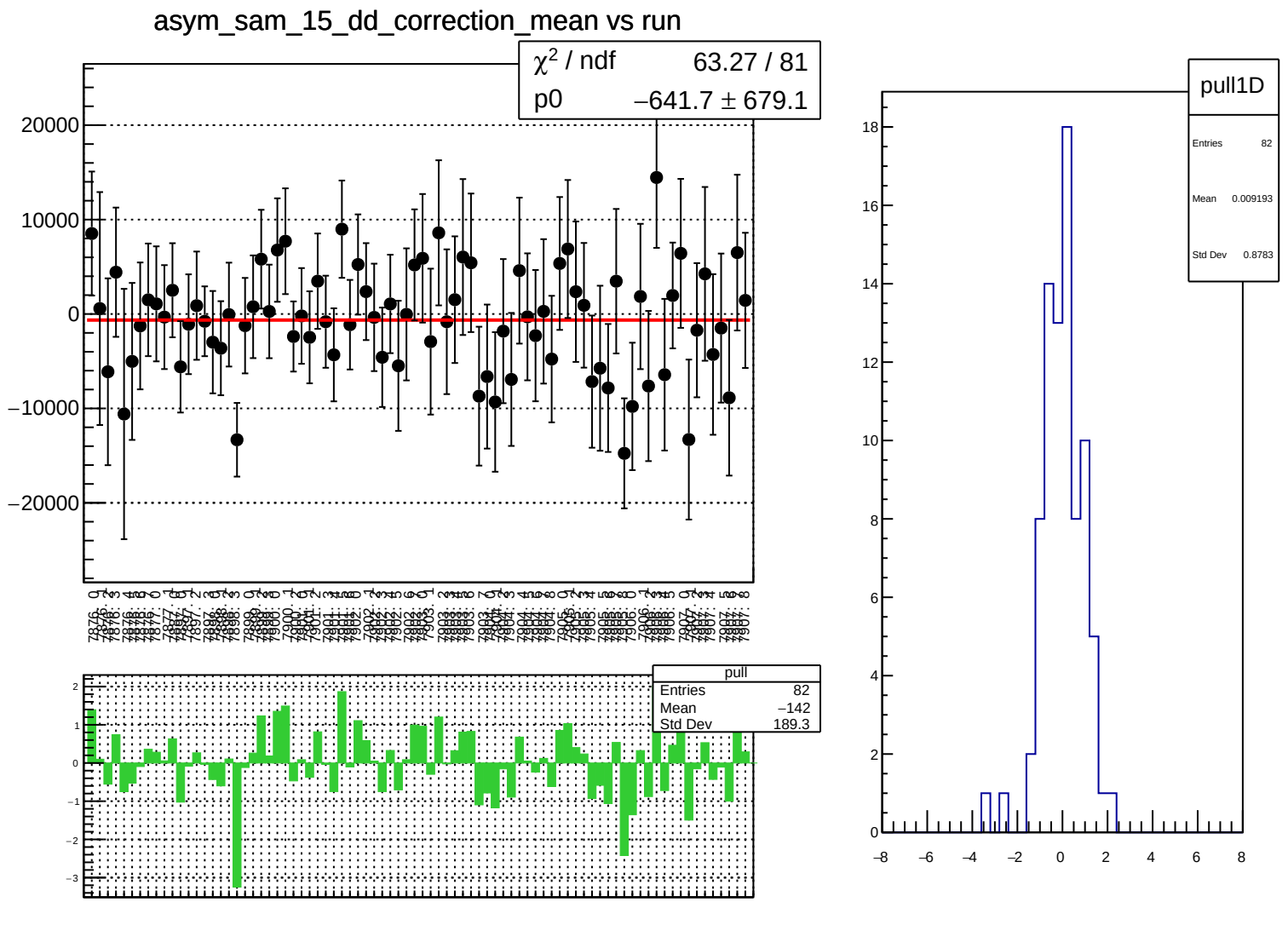

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 80.76 / 81
p0 5249 ± 3597
100
50
0
−50
−100
−150
pull
Entries 82
Mean −41.48
Std Dev 30.42
2
1
0
−1
−2
−3


pull1D
Entries 82
Mean −0.009344
Std Dev 0.9923
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

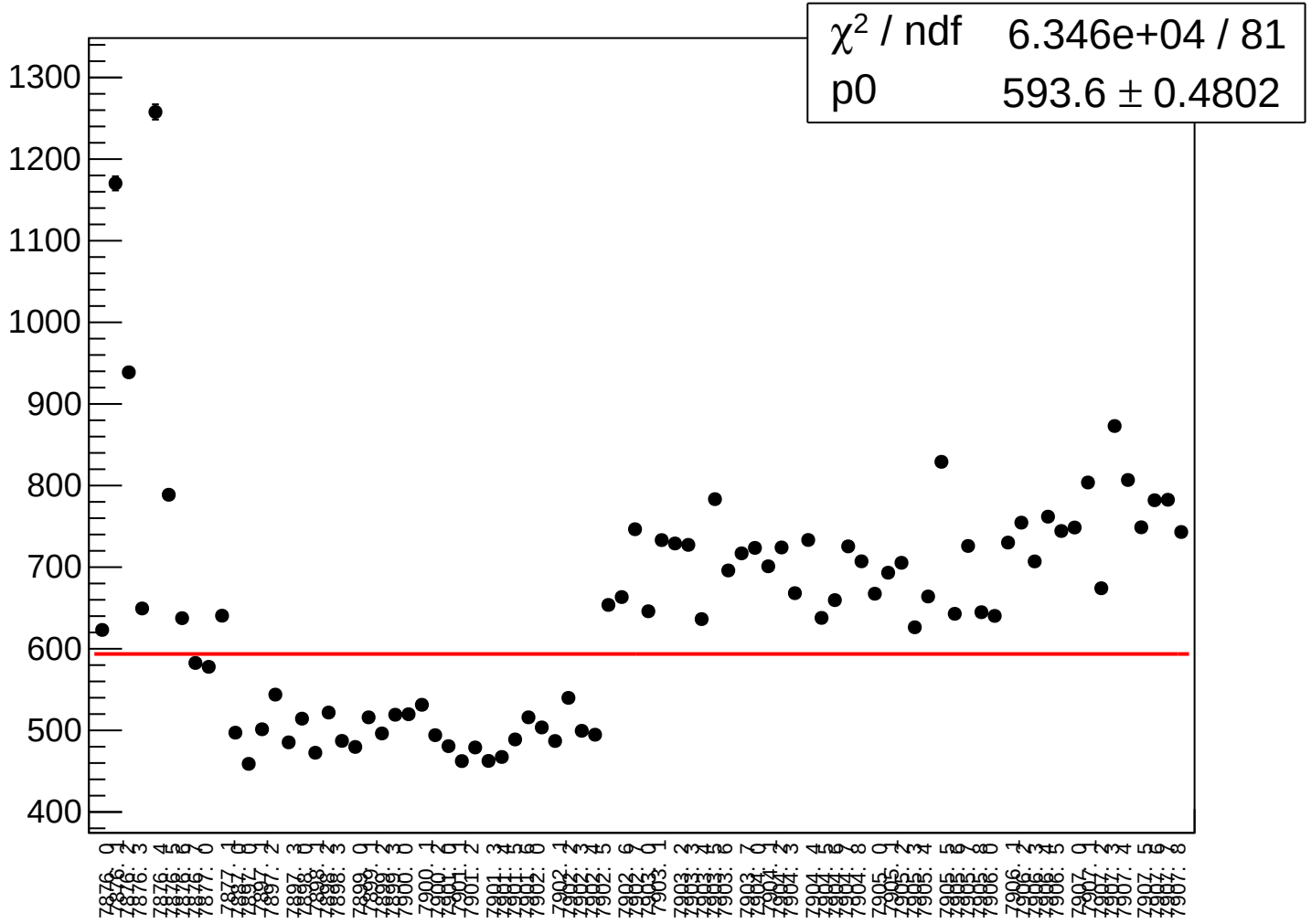

asym_sam_48_avg_rms vs run
χ^2 / ndf 1.317e+04 / 81
p0 3195 ± 2.543
4400
4200
4000
3800
3600
3400
3200
3000
2800

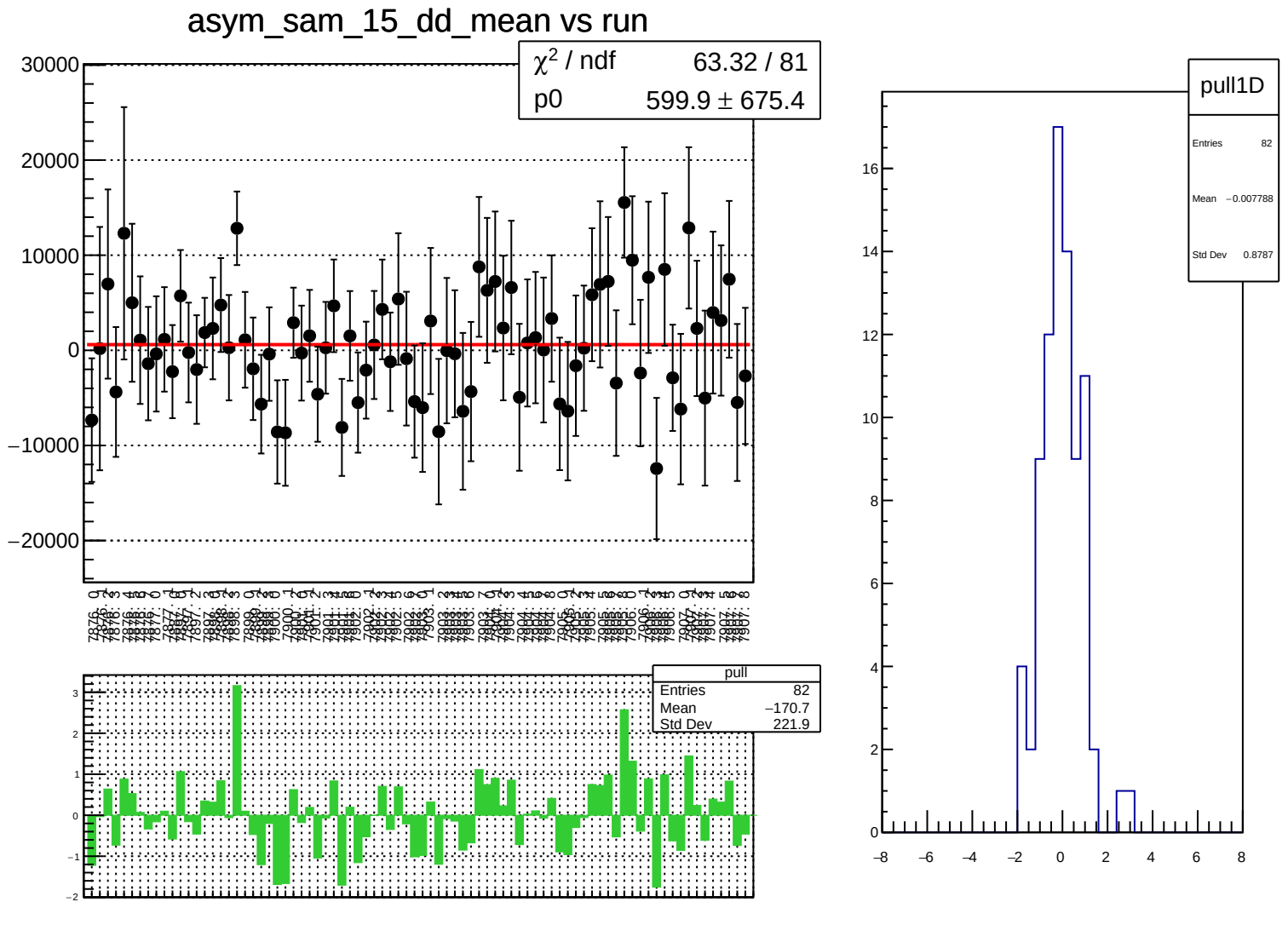

dit_asym_sam_15_dd_mean vs run
χ² / ndf 67.36 / 81
p0 4.847 ± 103.9
pull
Entries 82
Mean 250.5
Std Dev 249
pull1D
Entries 82
Mean −0.00493
Std Dev 0.9063


dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1704 / 81
p0 92.68 ± 0.0735
125
120
115
110
105
100
95
90
85

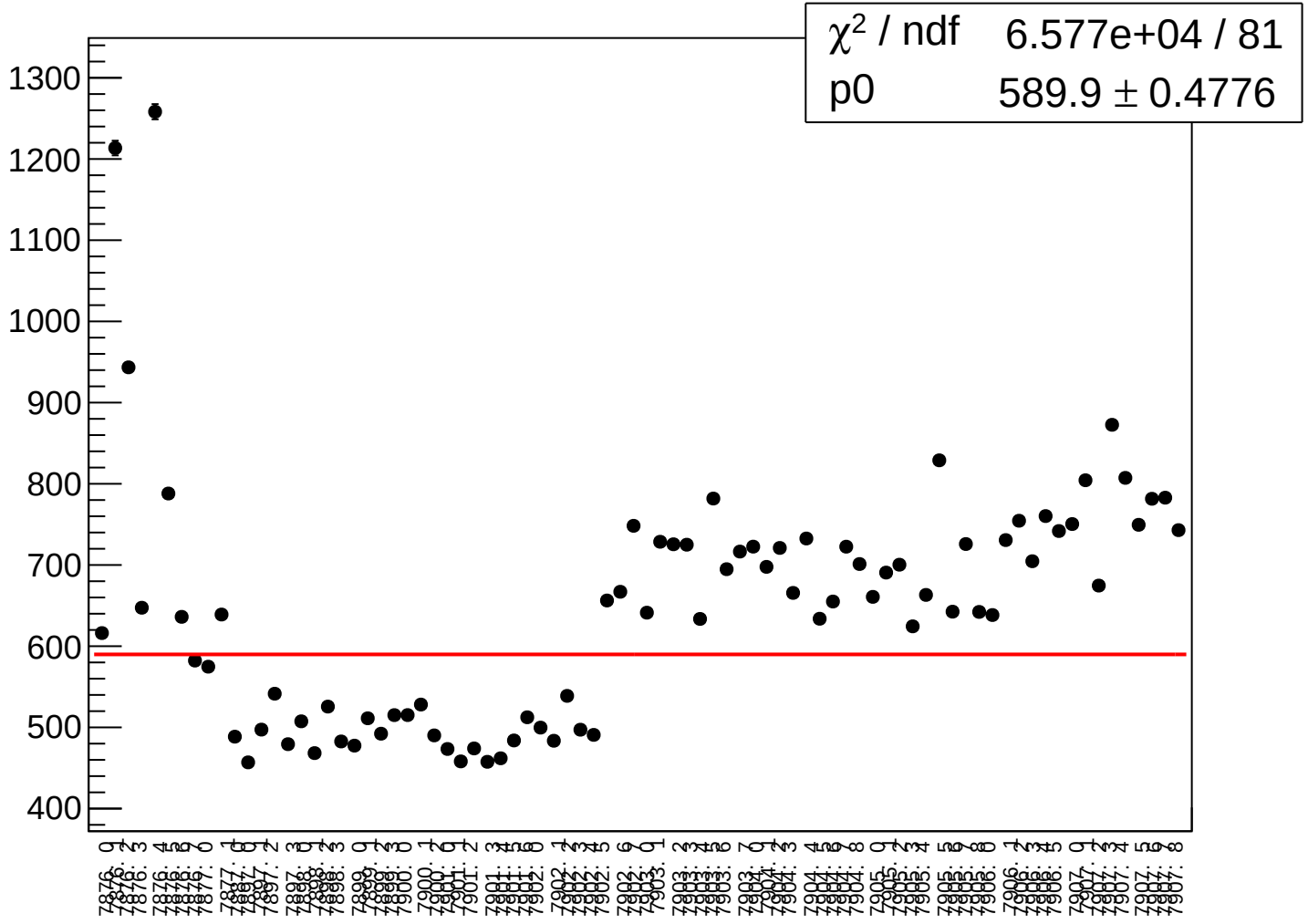

asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 63.27 / 81
p0 −641.7 ± 679.1
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −142
Std Dev 189.3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.009193
Std Dev 0.8783
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

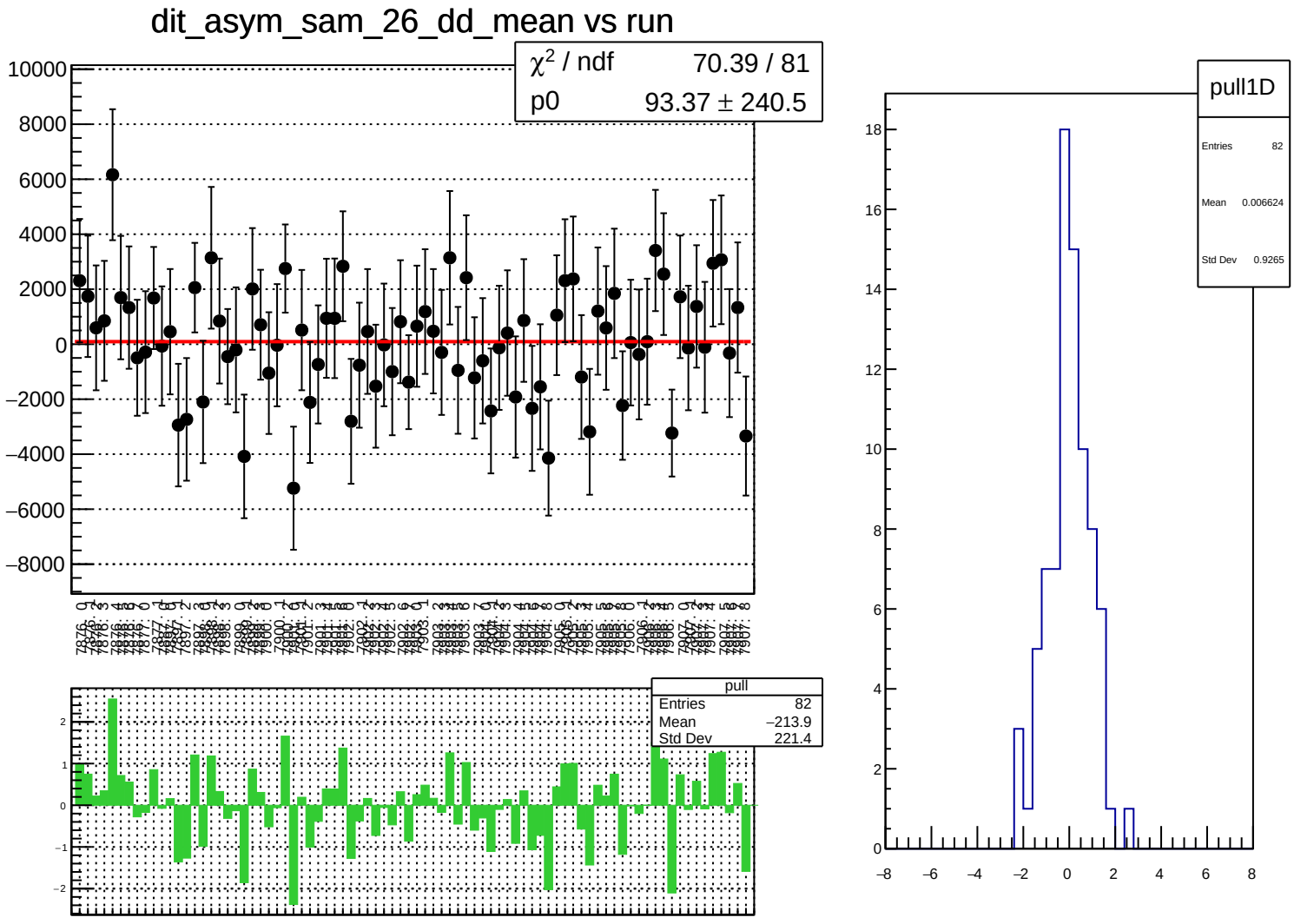
asym_sam_15_dd_correction_rms vs run



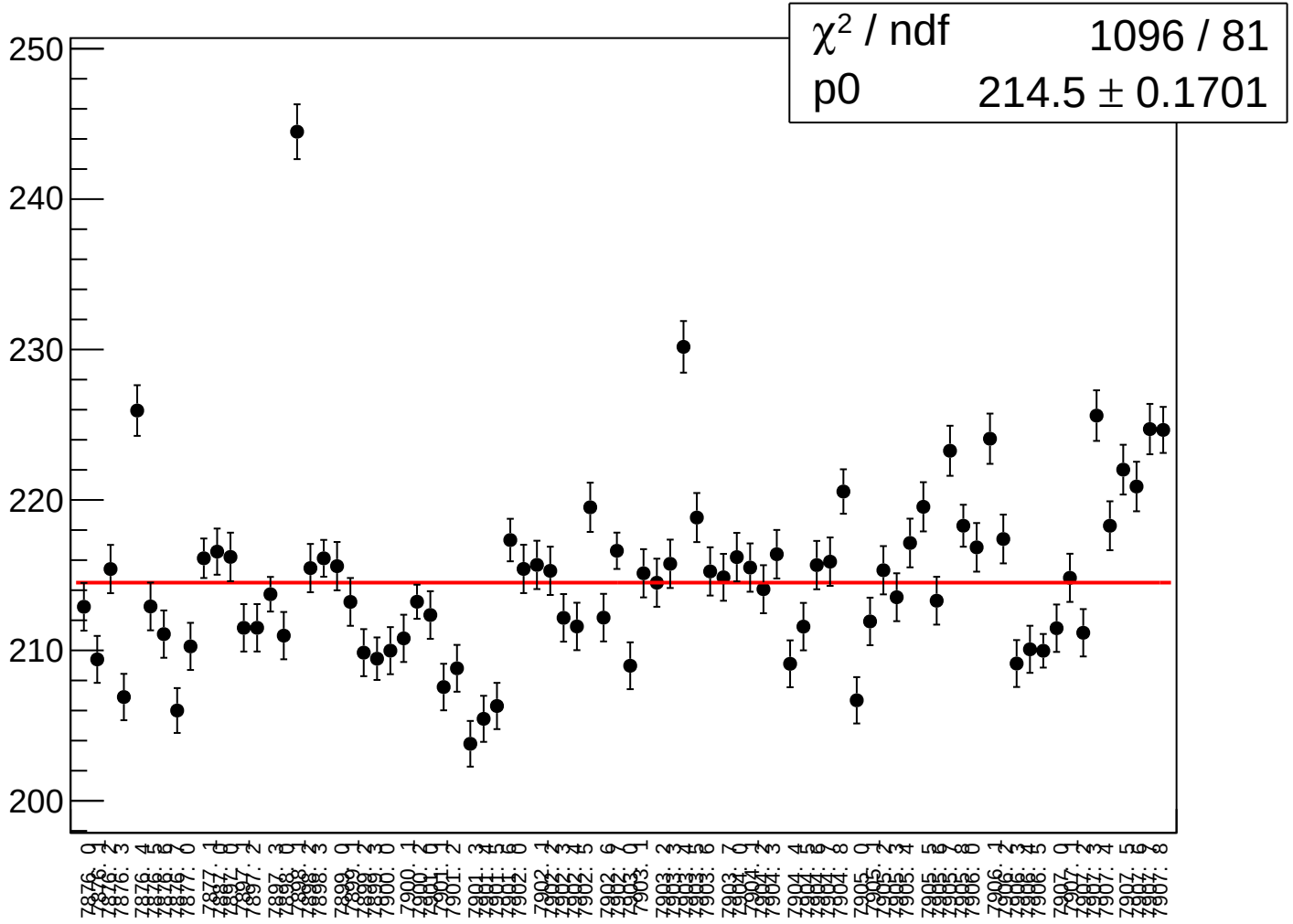

asym_sam_15_dd_mean vs run
χ^2 / ndf 63.32 / 81
p0 599.9 ± 675.4
pull
Entries 82
Mean −170.7
Std Dev 221.9
pull1D
Entries 82
Mean −0.007788
Std Dev 0.8787

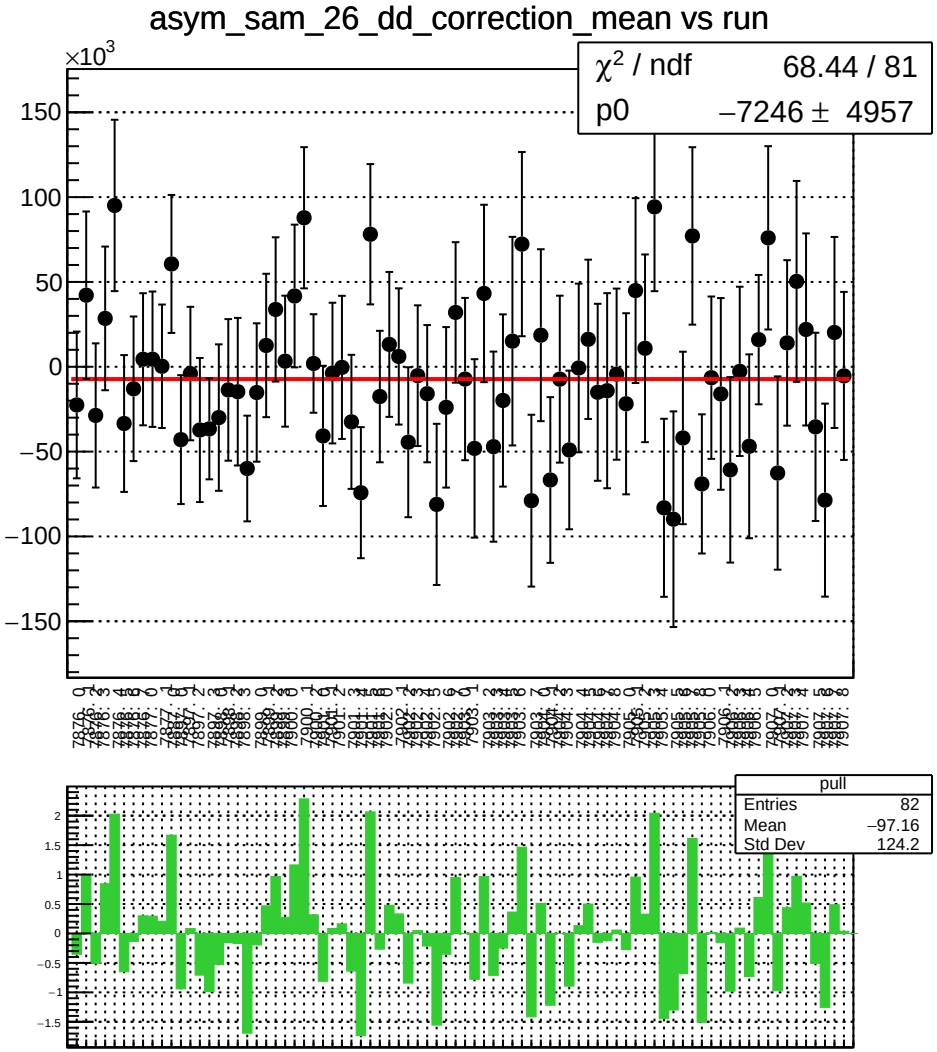
asym_sam_15_dd_rms vs run

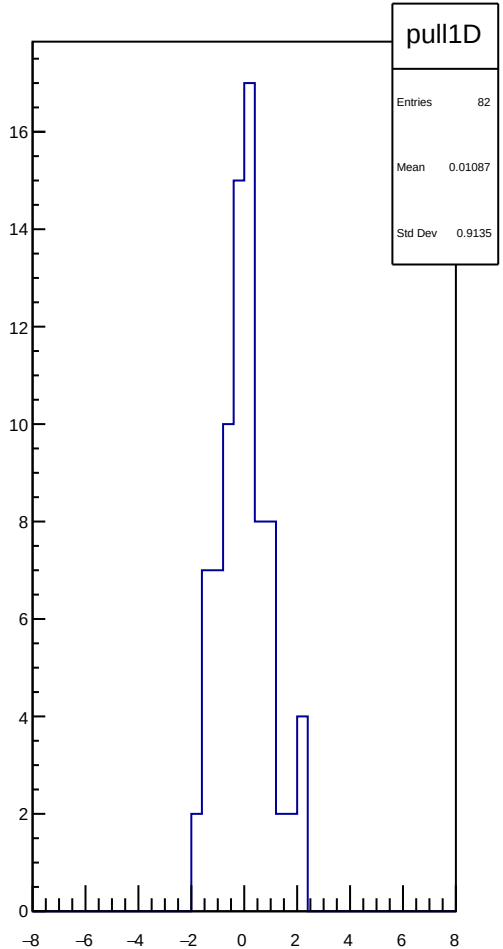



dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 70.39 / 81
p0 93.37 ± 240.5
pull
Entries 82
Mean −213.9
Std Dev 221.4
pull1D
Entries 82
Mean 0.006624
Std Dev 0.9265

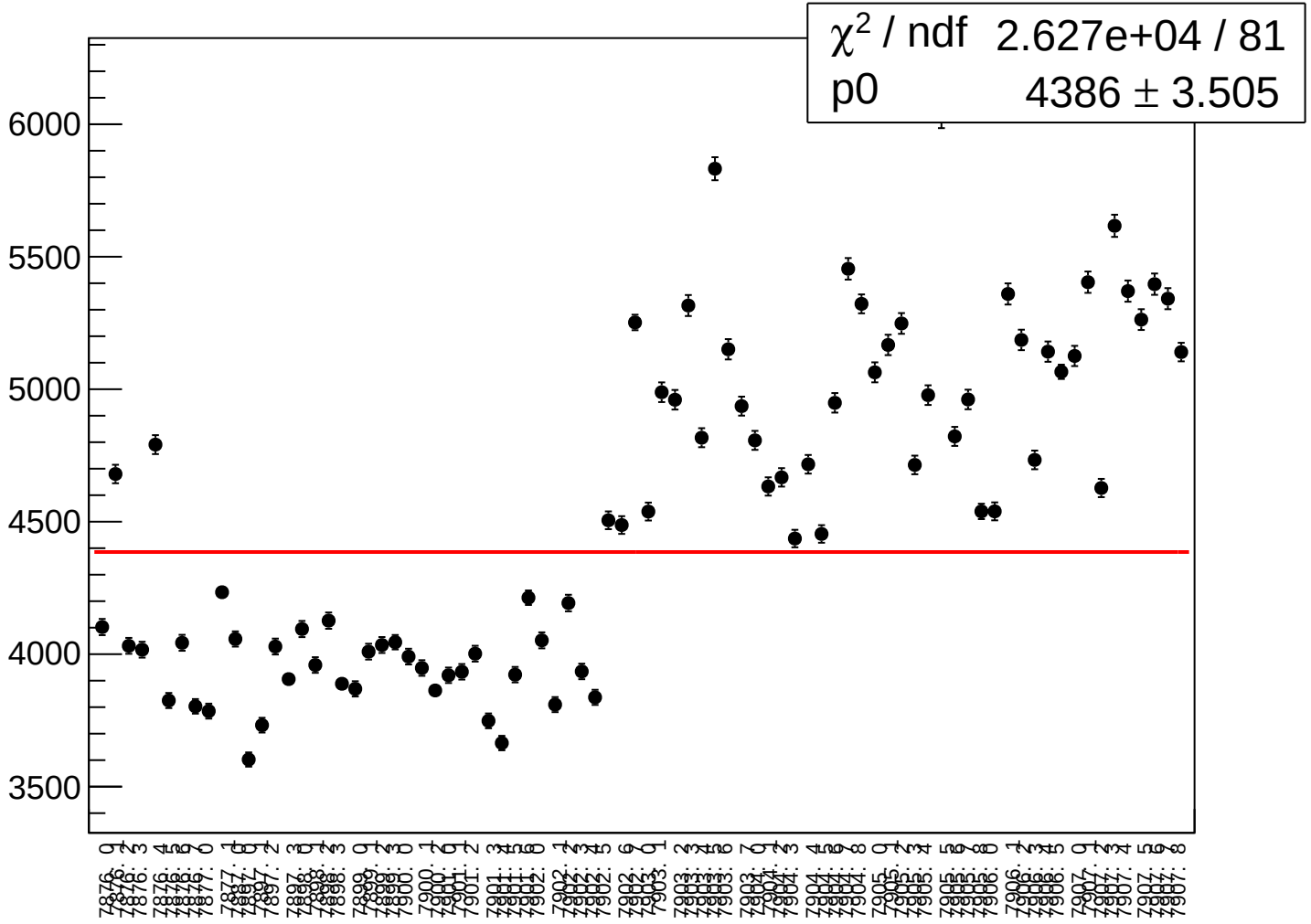
dit_asym_sam_26_dd_rms vs run

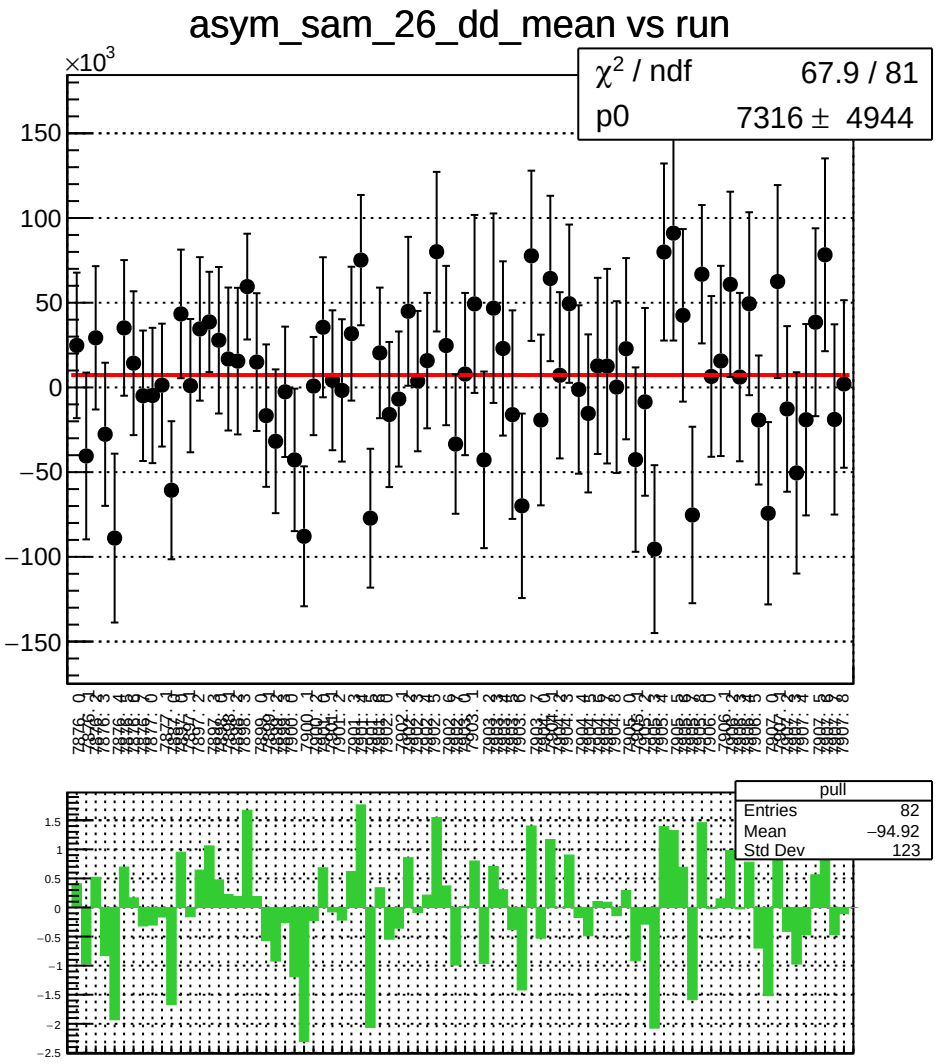


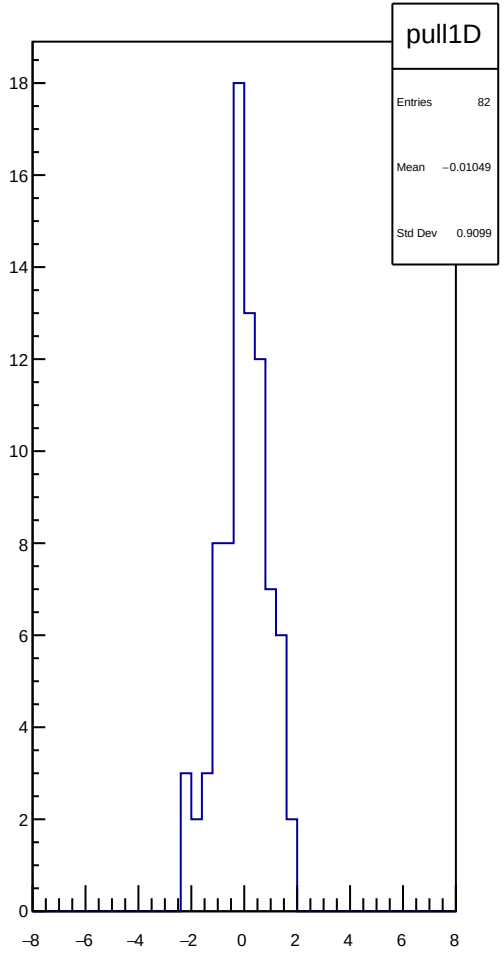

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 68.44 / 81
p0 −7246 ± 4957
pull
Entries 82
Mean −97.16
Std Dev 124.2


pull1D
Entries 82
Mean 0.01087
Std Dev 0.9135

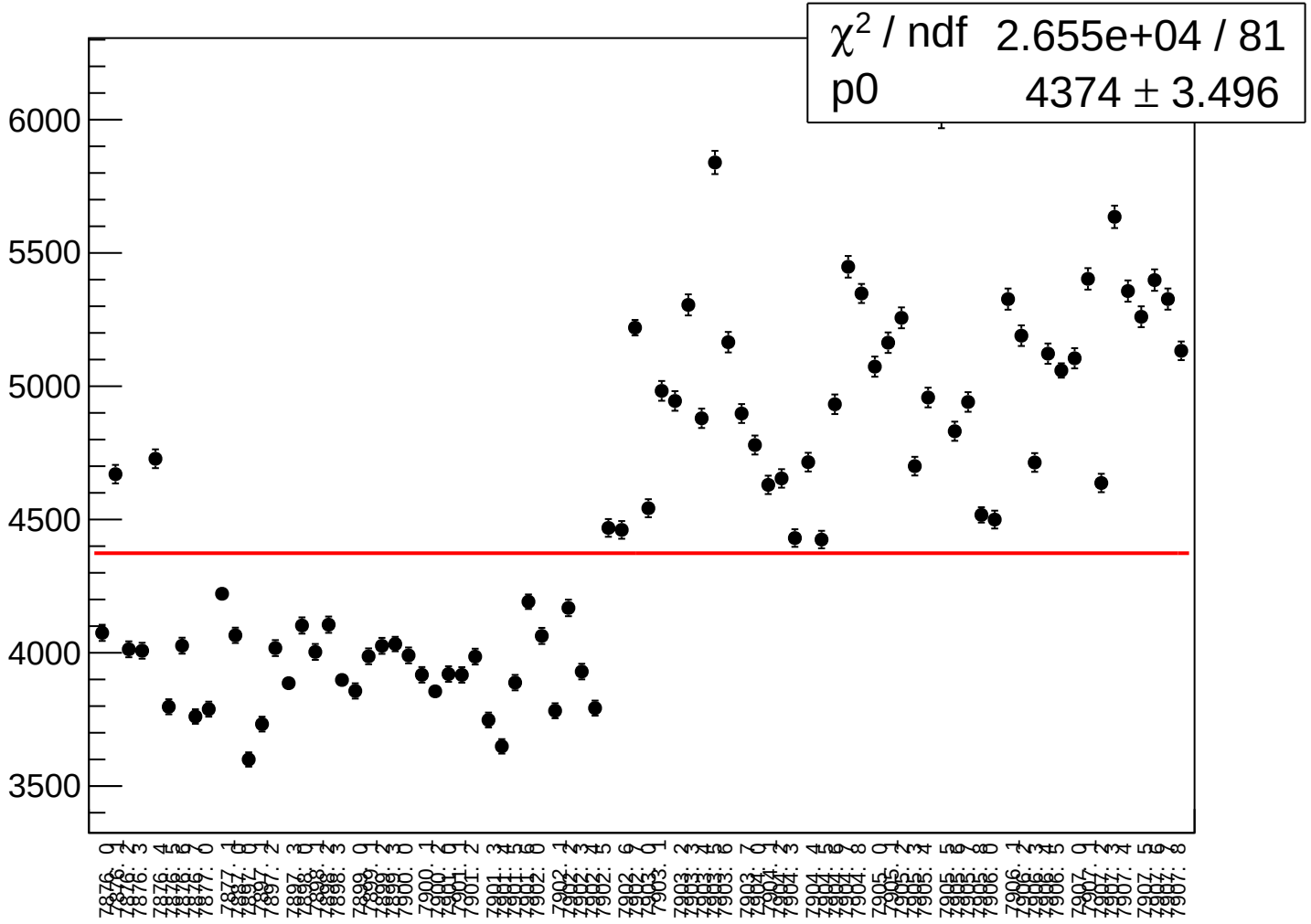
asym_sam_26_dd_correction_rms vs run

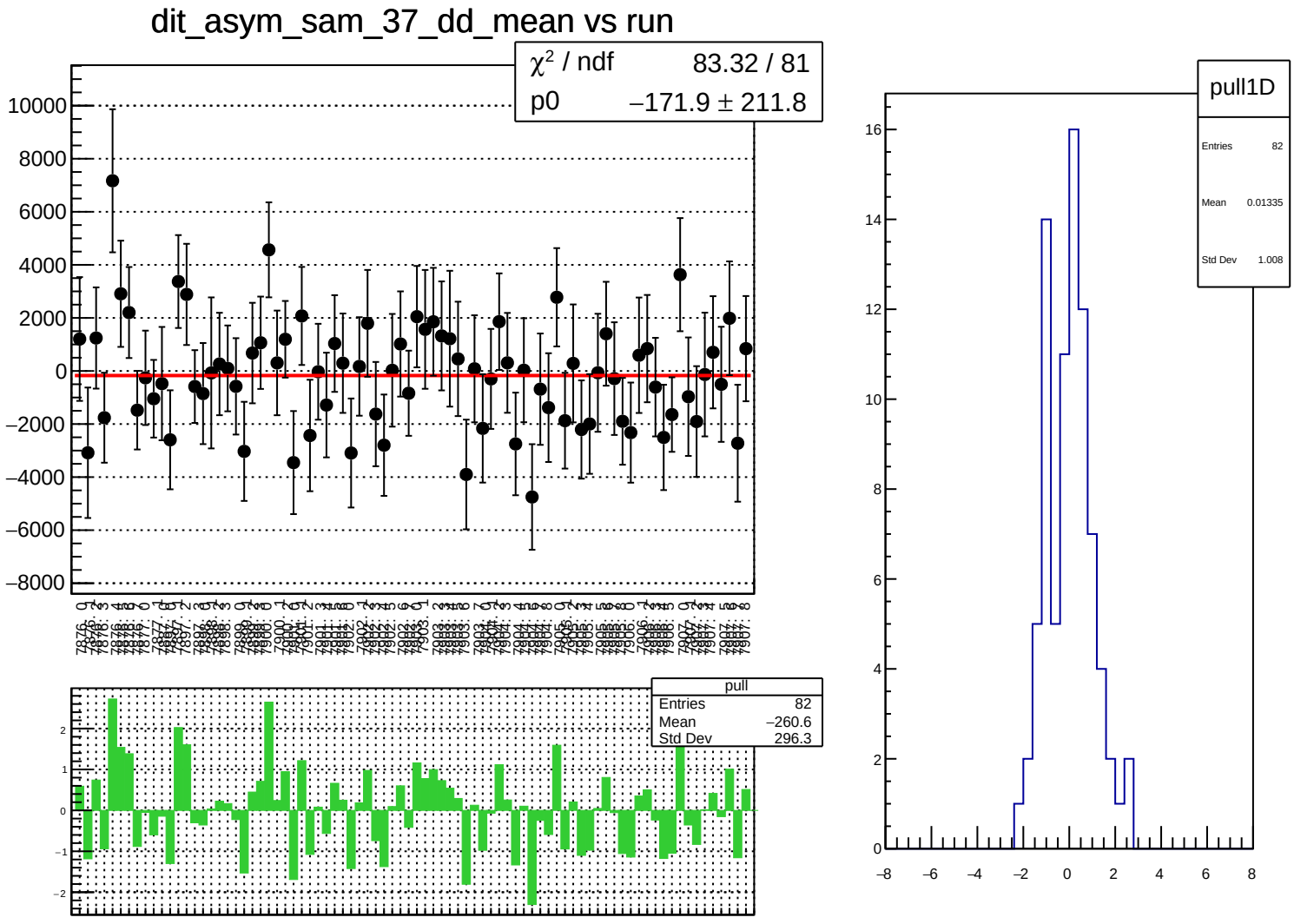



asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 67.9 / 81
p0 7316 ± 4944
pull
Entries 82
Mean −94.92
Std Dev 123

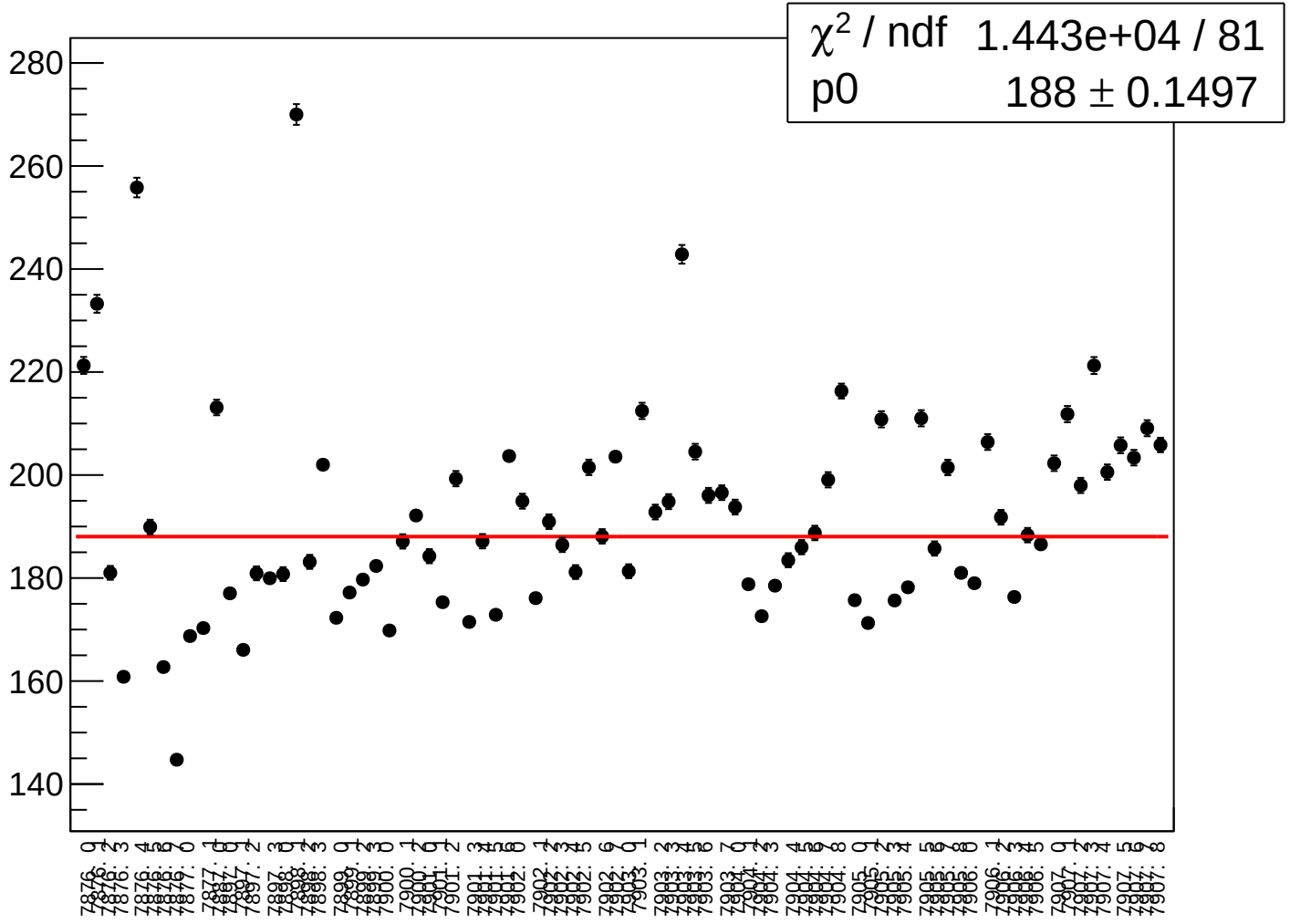

pull1D
Entries 82
Mean −0.01049
Std Dev 0.9099

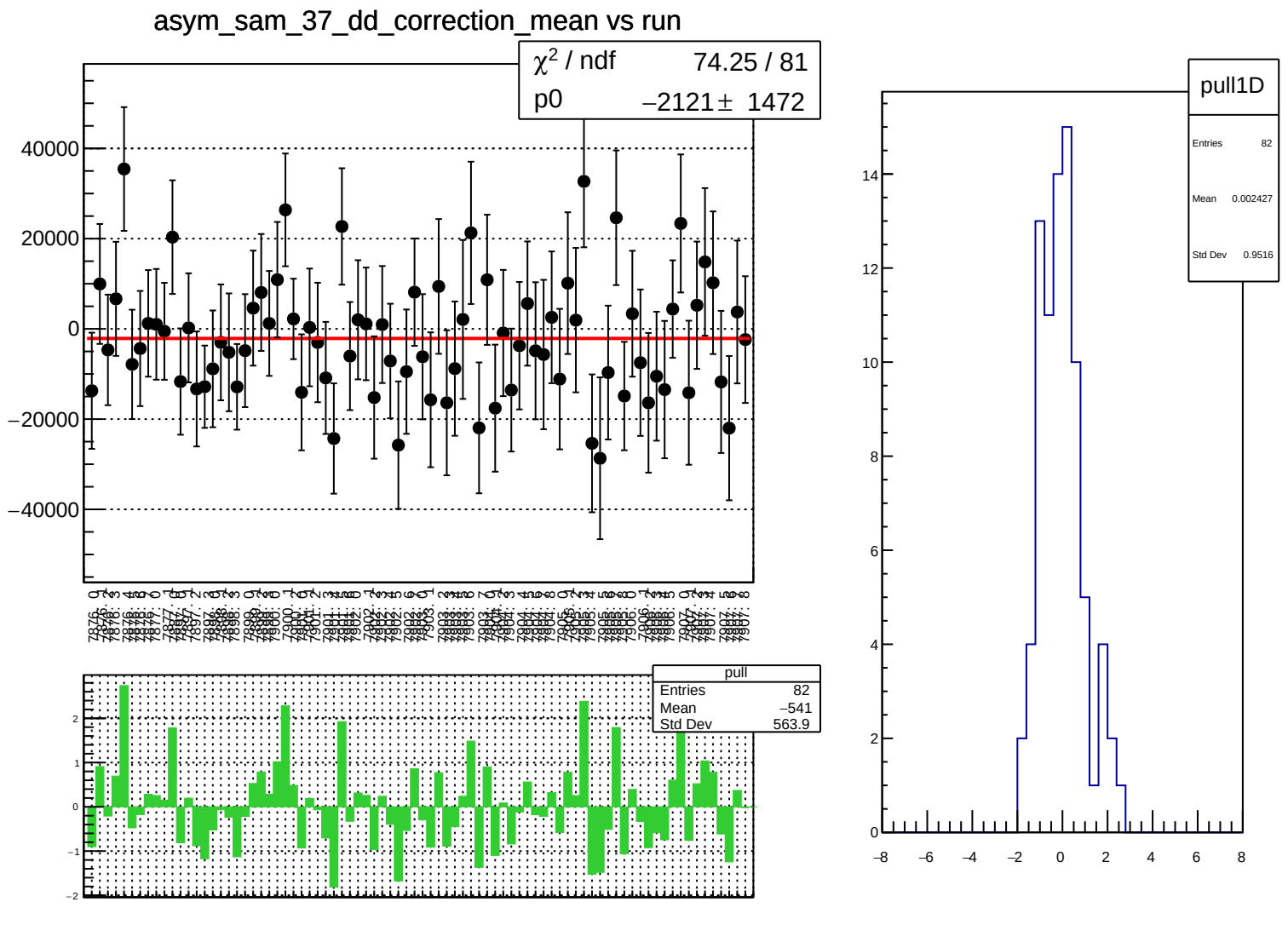
asym_sam_26_dd_rms vs run



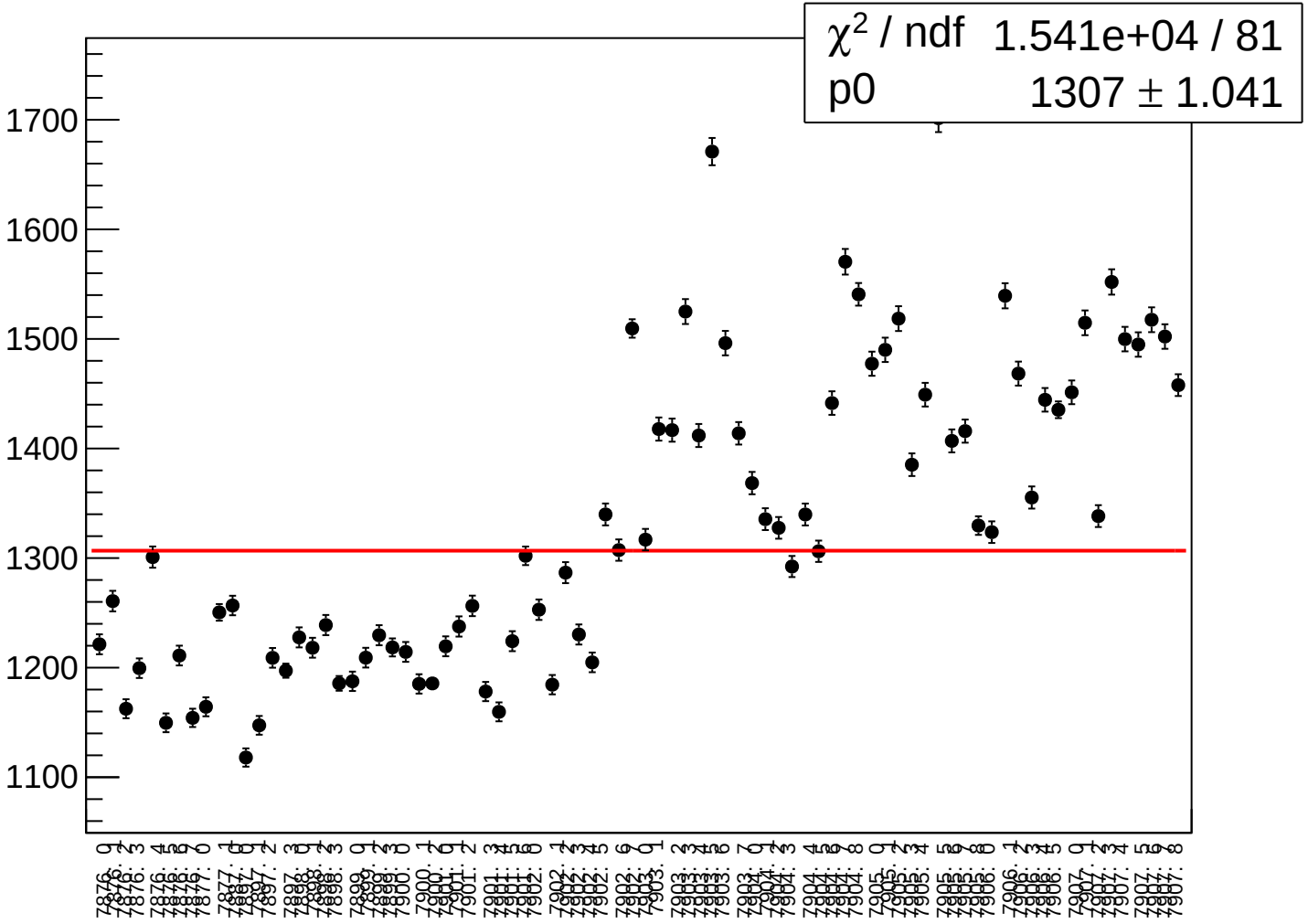

dit_asym_sam_37_dd_mean vs run
χ² / ndf 83.32 / 81
p0 −171.9 ± 211.8
pull
Entries 82
Mean −260.6
Std Dev 296.3
pull1D
Entries 82
Mean 0.01335
Std Dev 1.008

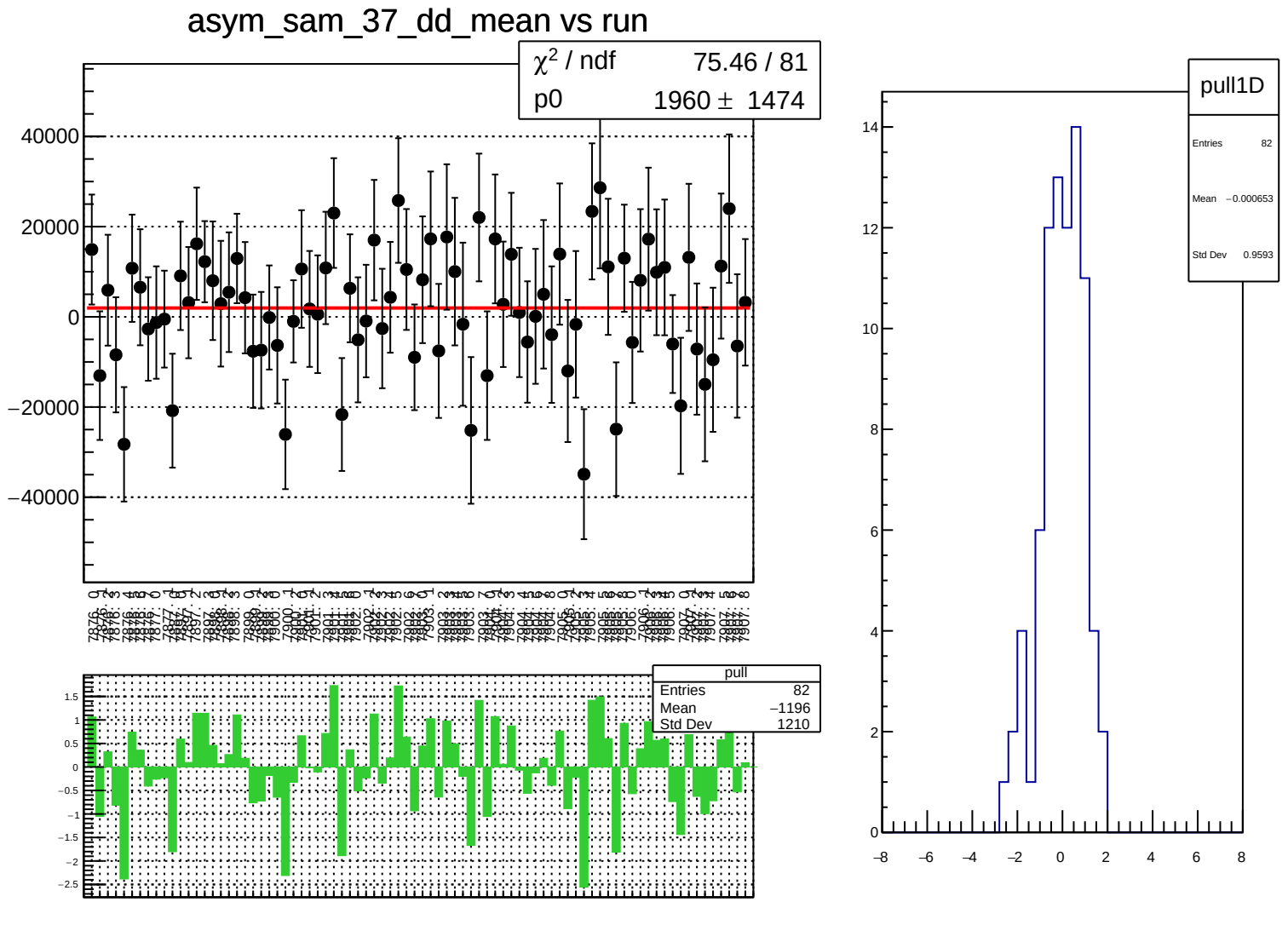
dit_asym_sam_37_dd_rms vs run



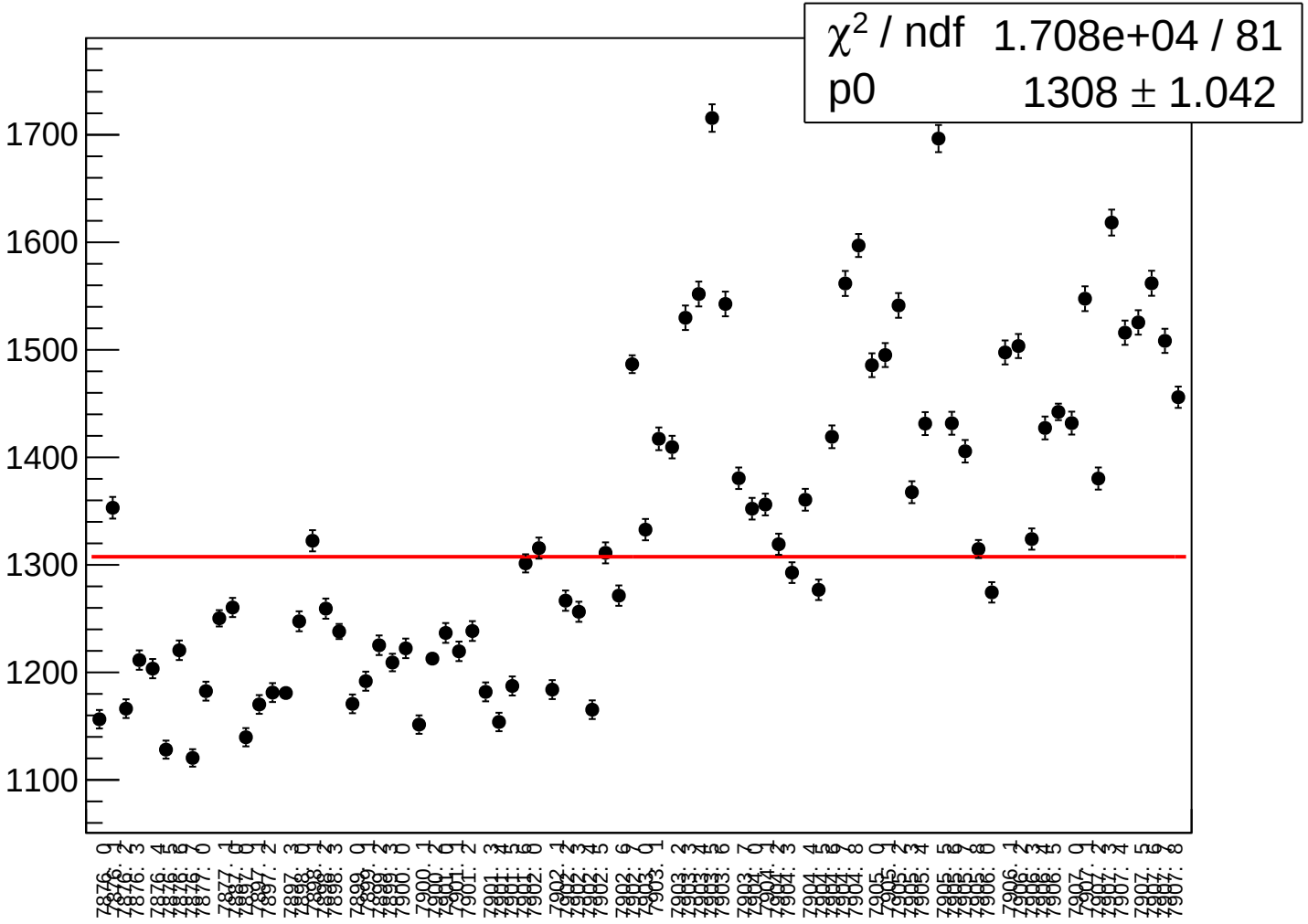

asym_sam_37_dd_correction_mean vs run
χ² / ndf 74.25 / 81
p0 −2121 ± 1472
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −541
Std Dev 563.9
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.002427
Std Dev 0.9516
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

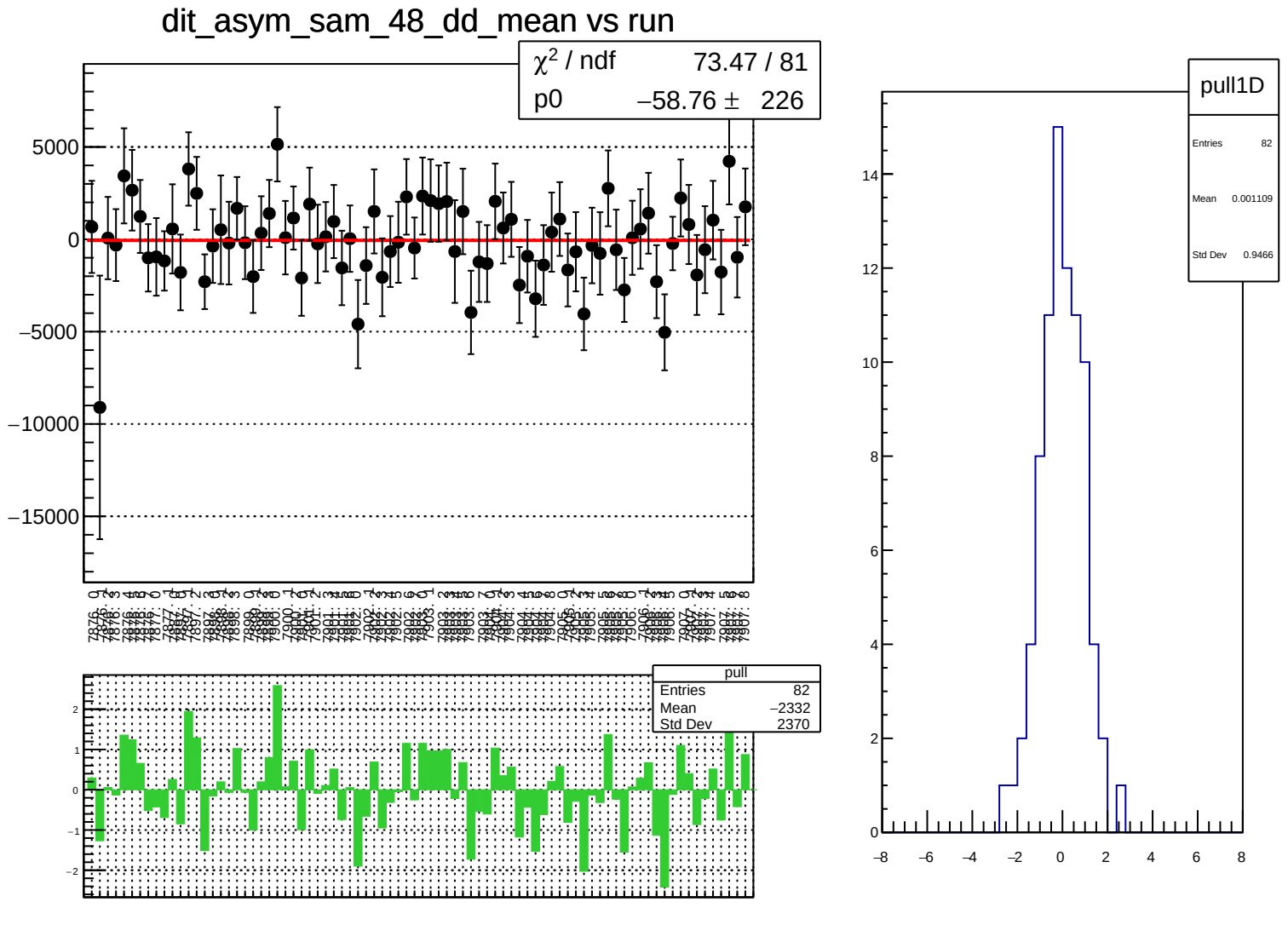
asym_sam_37_dd_correction_rms vs run



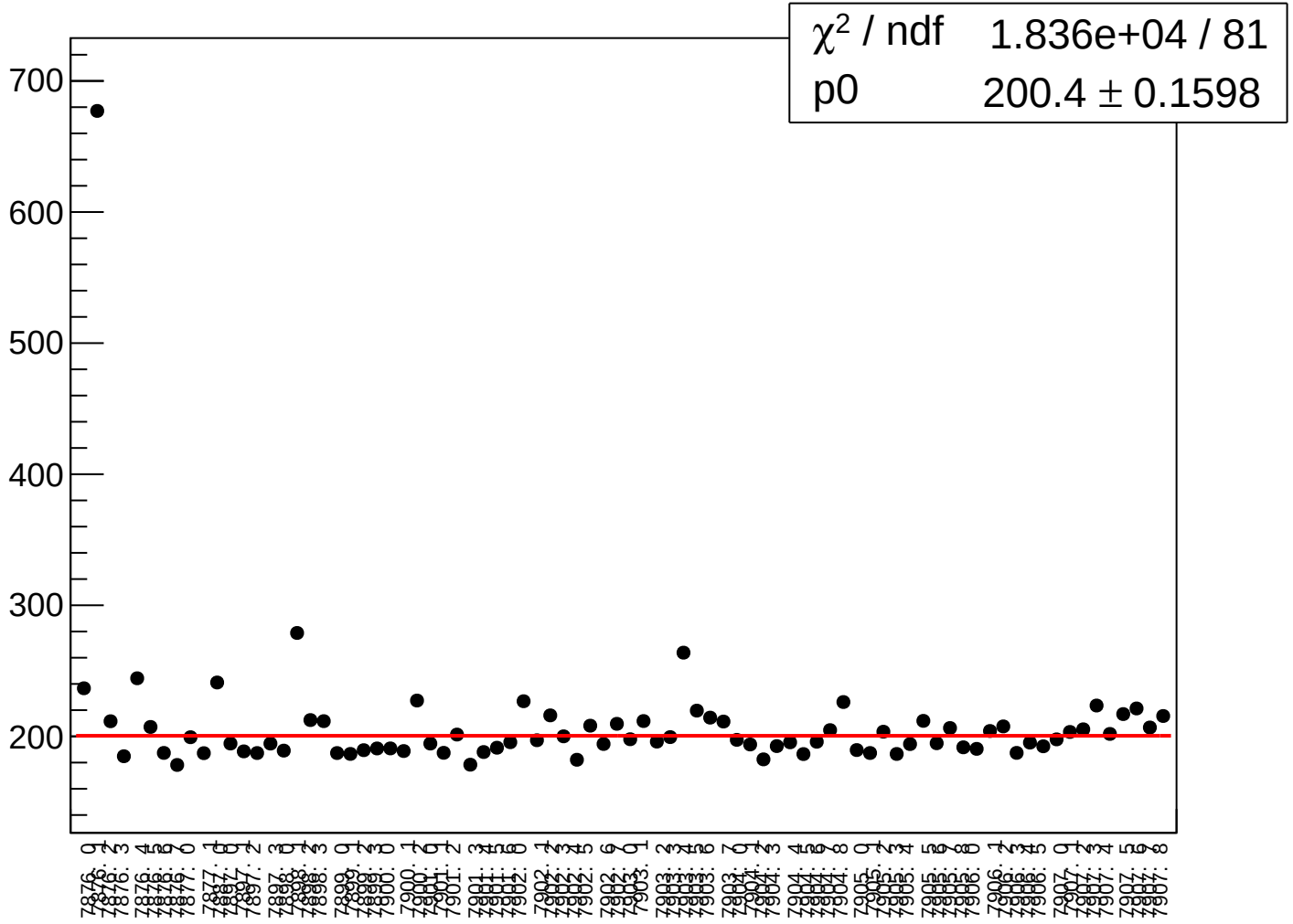

asym_sam_37_dd_mean vs run
χ² / ndf 75.46 / 81
p0 1960 ± 1474
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −1196
Std Dev 1210
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.000653
Std Dev 0.9593
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

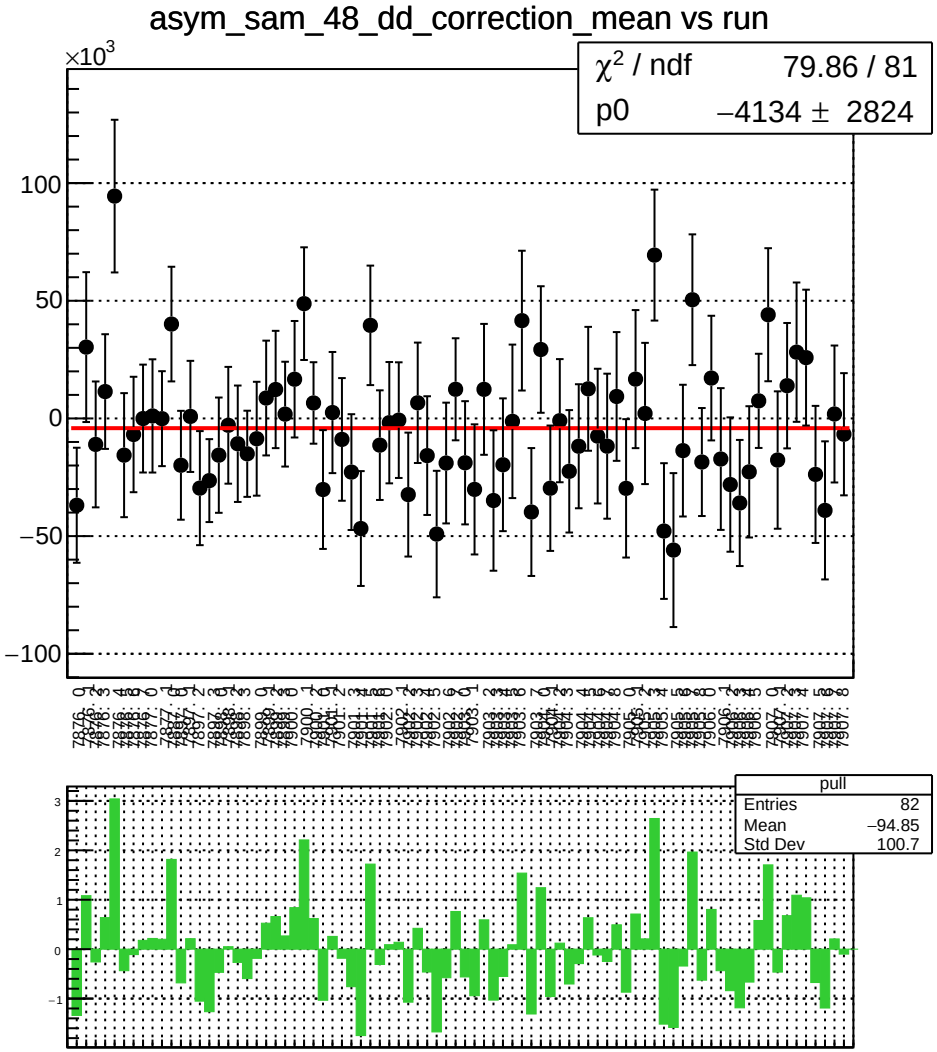
asym_sam_37_dd_rms vs run

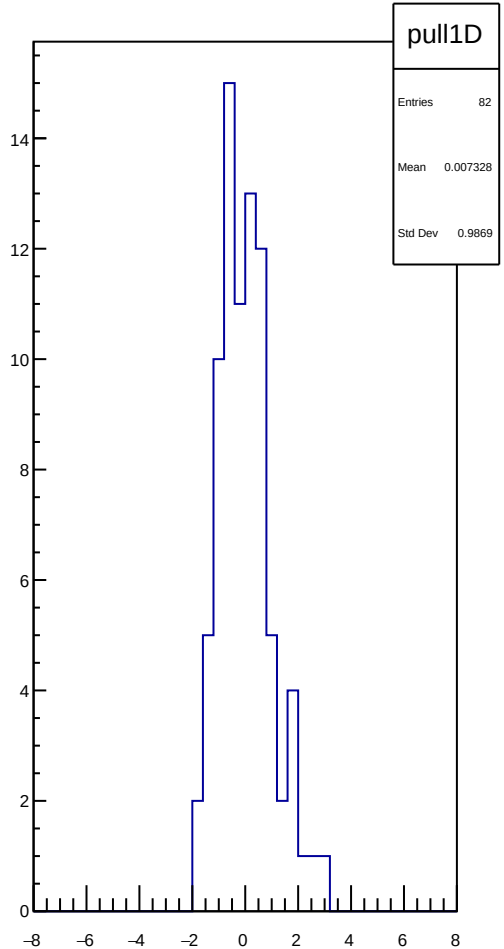



dit_asym_sam_48_dd_mean vs run
χ² / ndf 73.47 / 81
p0 −58.76 ± 226
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −2332
Std Dev 2370
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.001109
Std Dev 0.9466
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

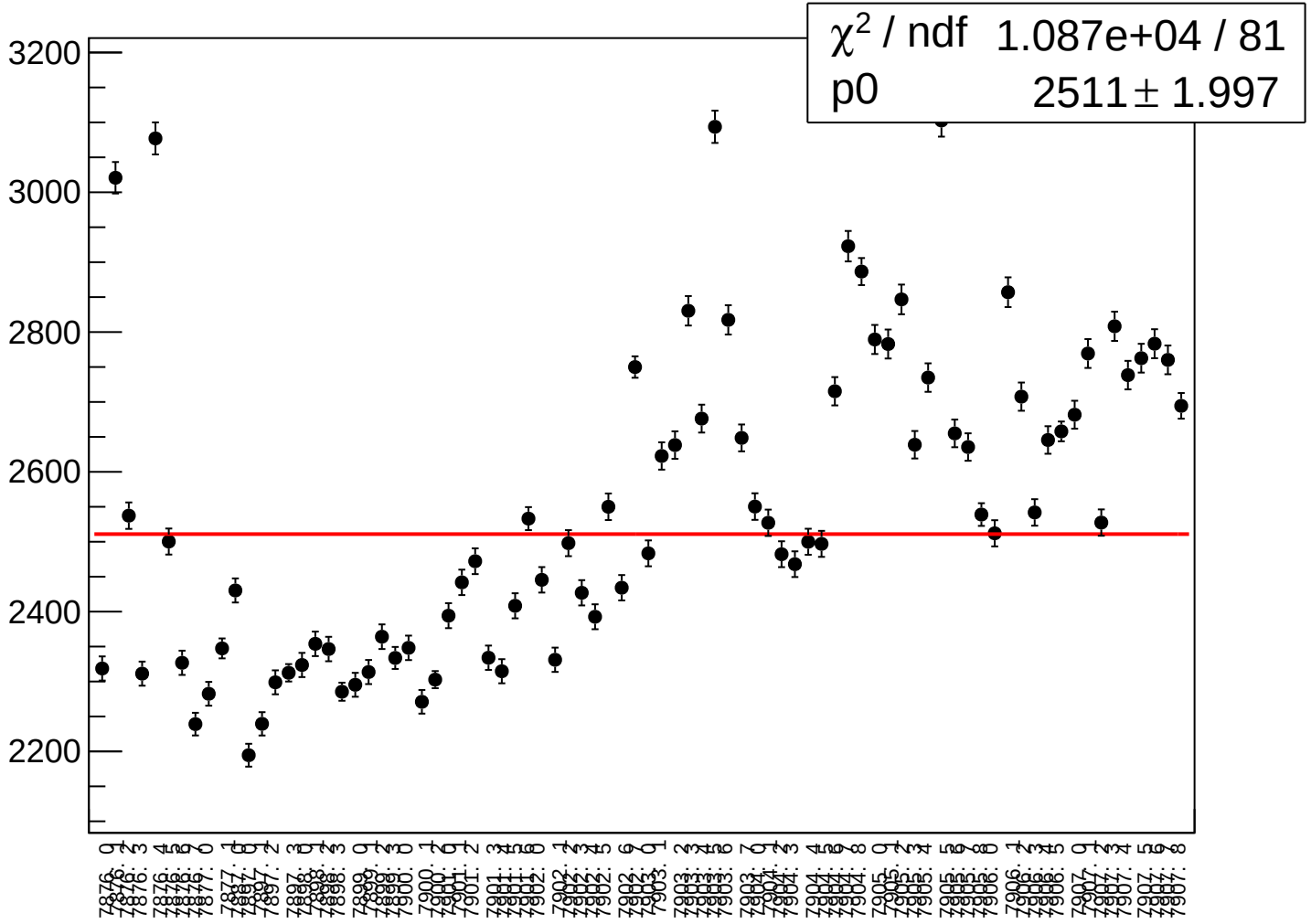
dit_asym_sam_48_dd_rms vs run

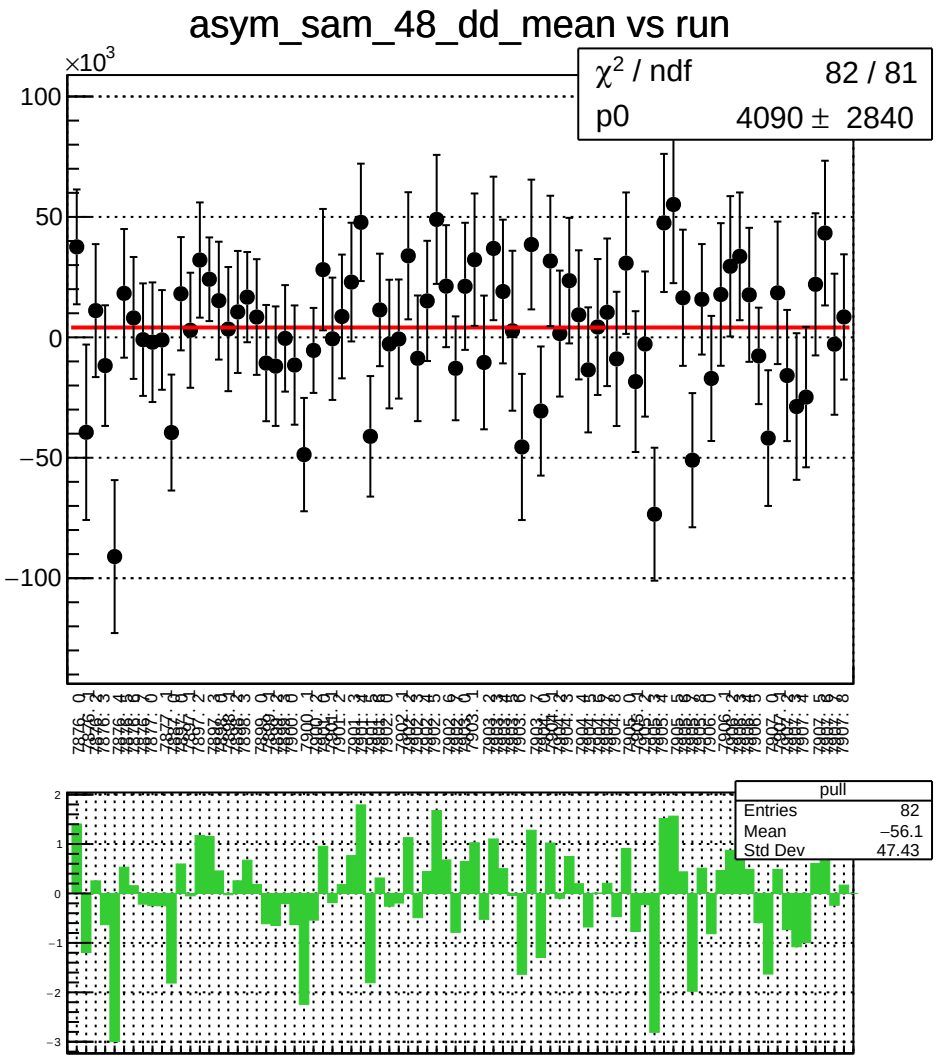


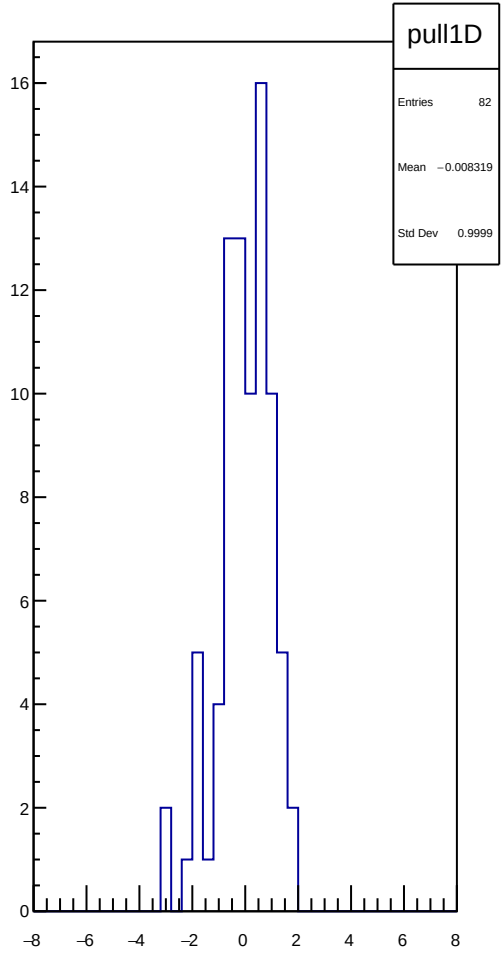

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 79.86 / 81
p0 −4134 ± 2824
100
50
0
−50
−100
pull
Entries 82
Mean −94.85
Std Dev 100.7
3
2
1
0
−1


pull1D
Entries 82
Mean 0.007328
Std Dev 0.9869
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

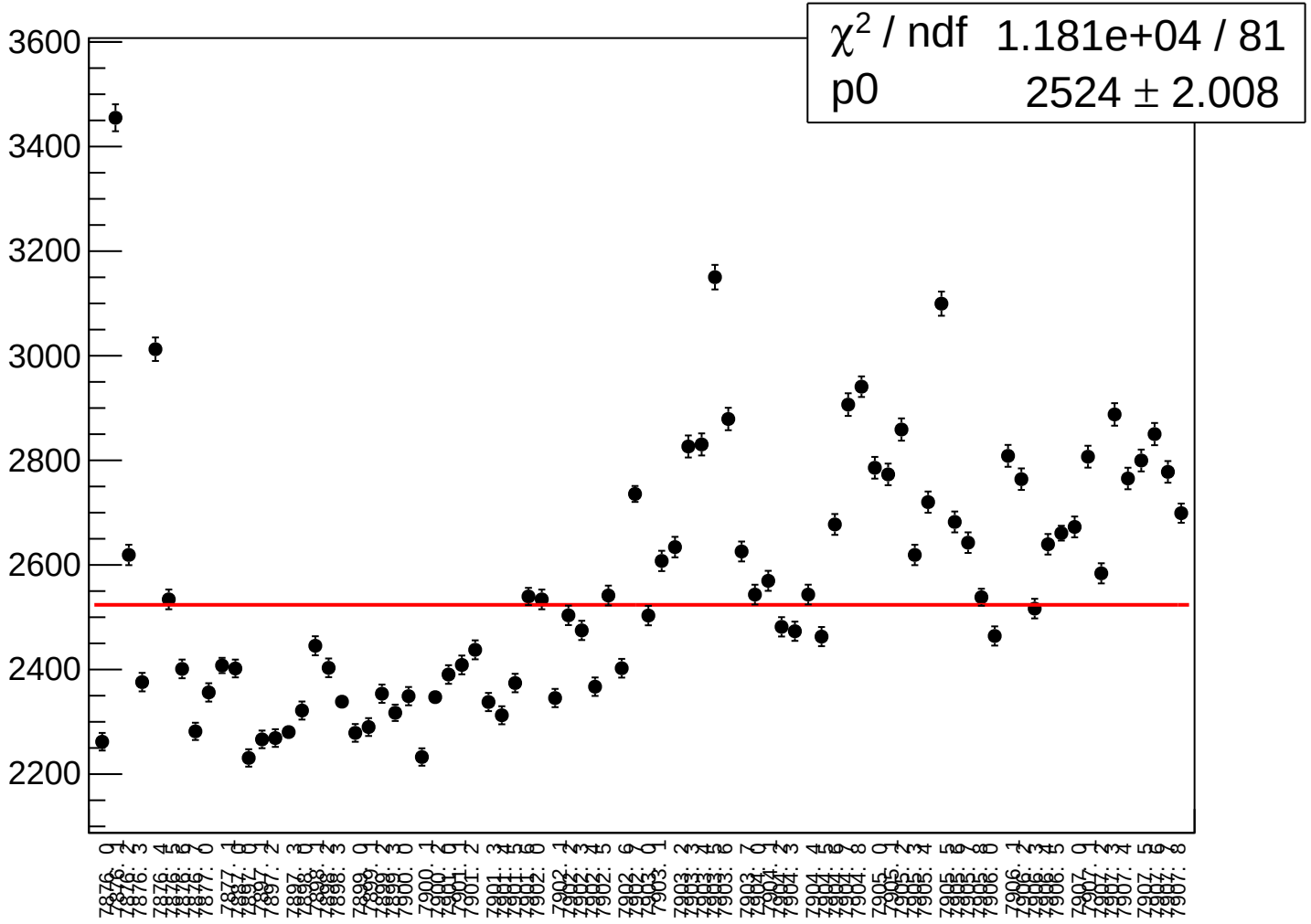
asym_sam_48_dd_correction_rms vs run

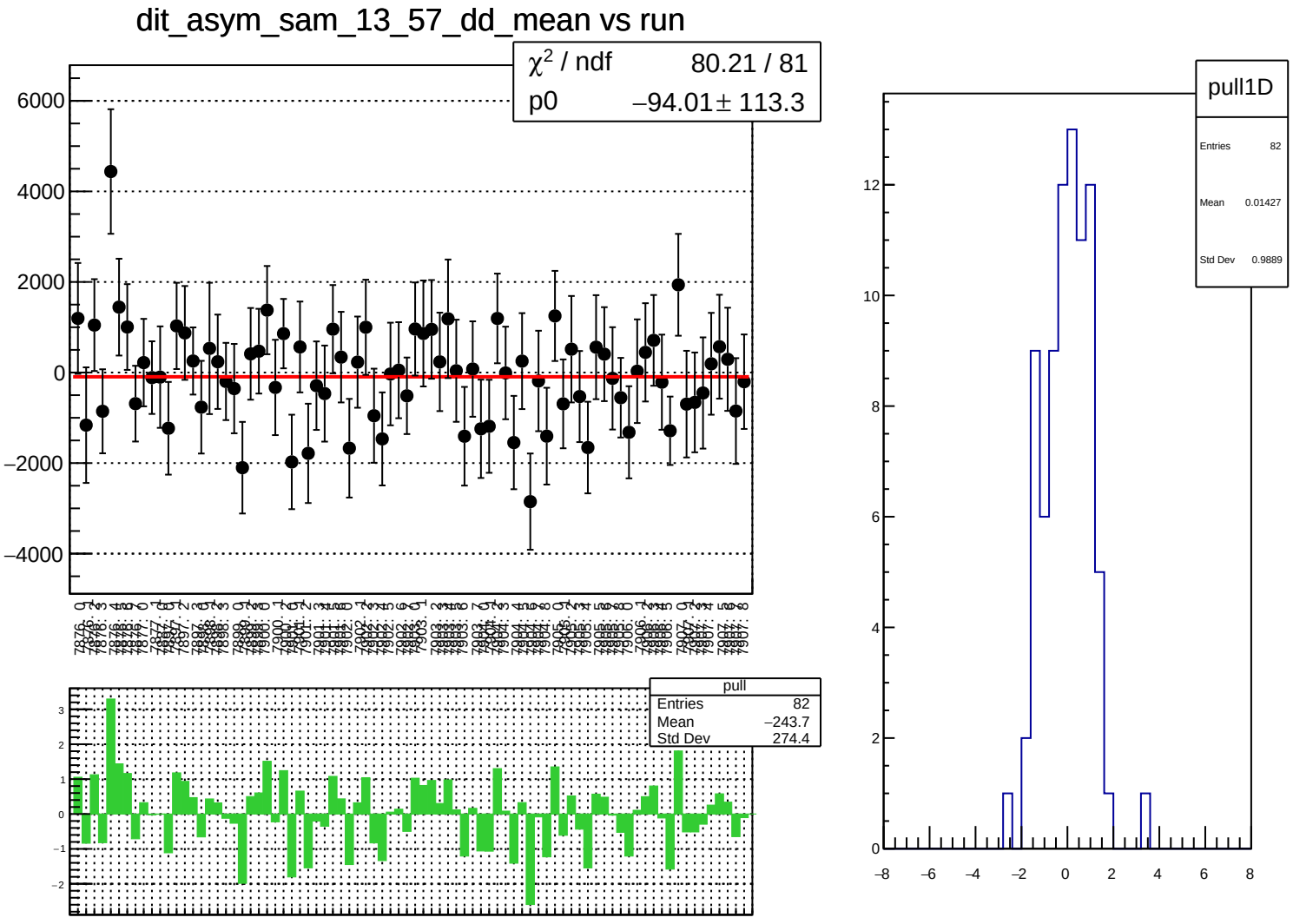



asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 82 / 81
p0 4090 ± 2840
pull
Entries 82
Mean −56.1
Std Dev 47.43

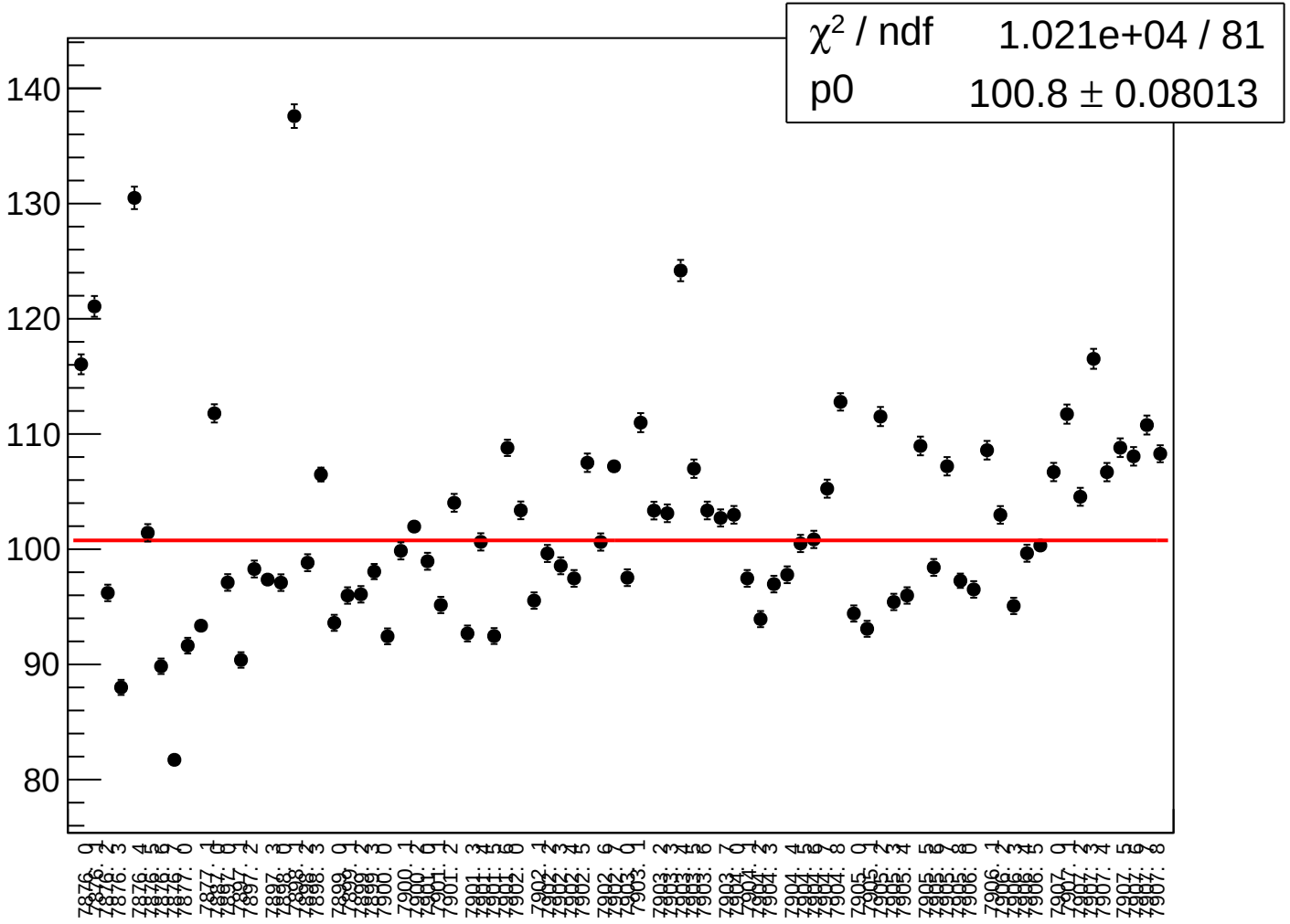

pull1D
Entries 82
Mean −0.008319
Std Dev 0.9999

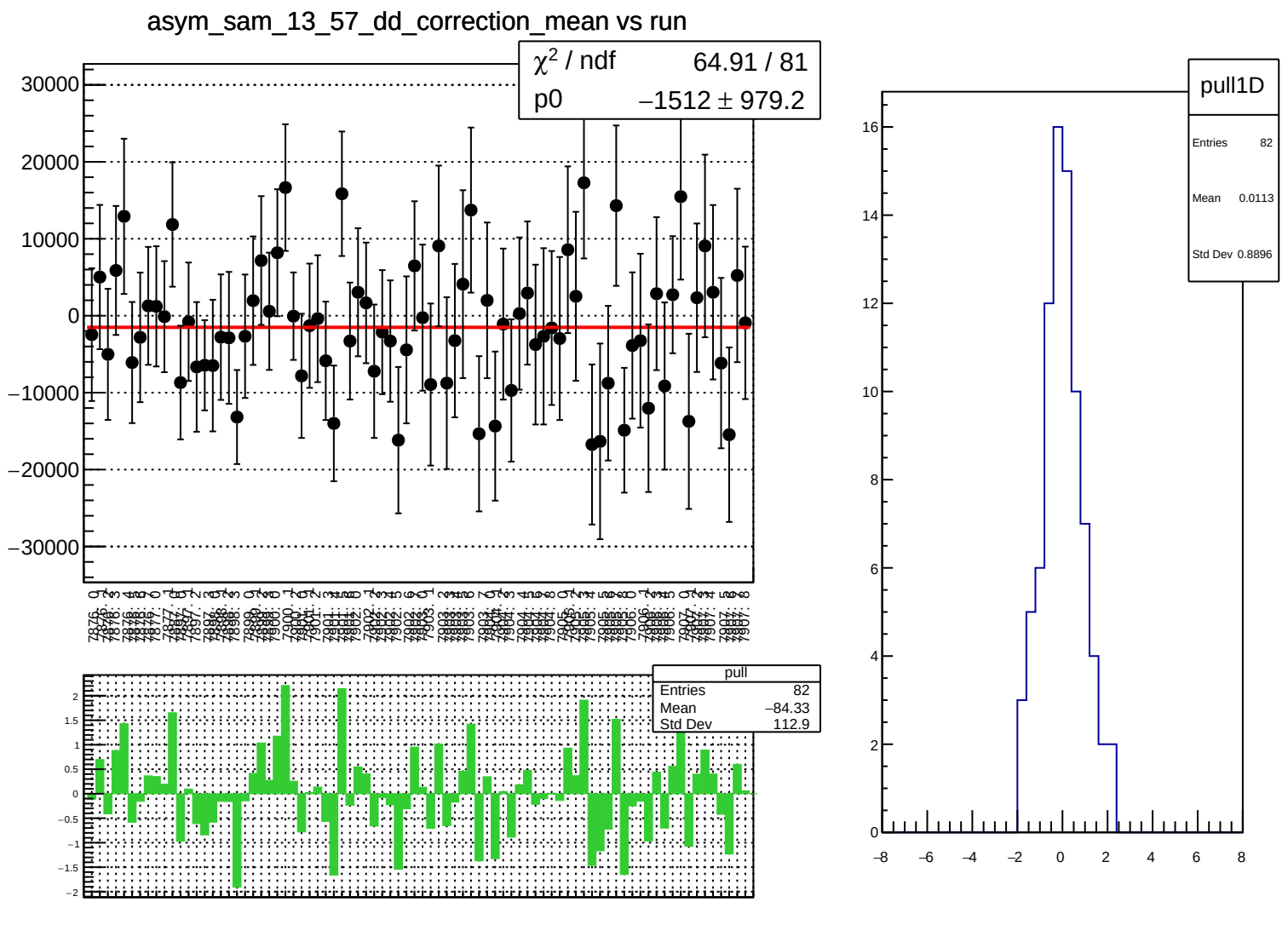
asym_sam_48_dd_rms vs run

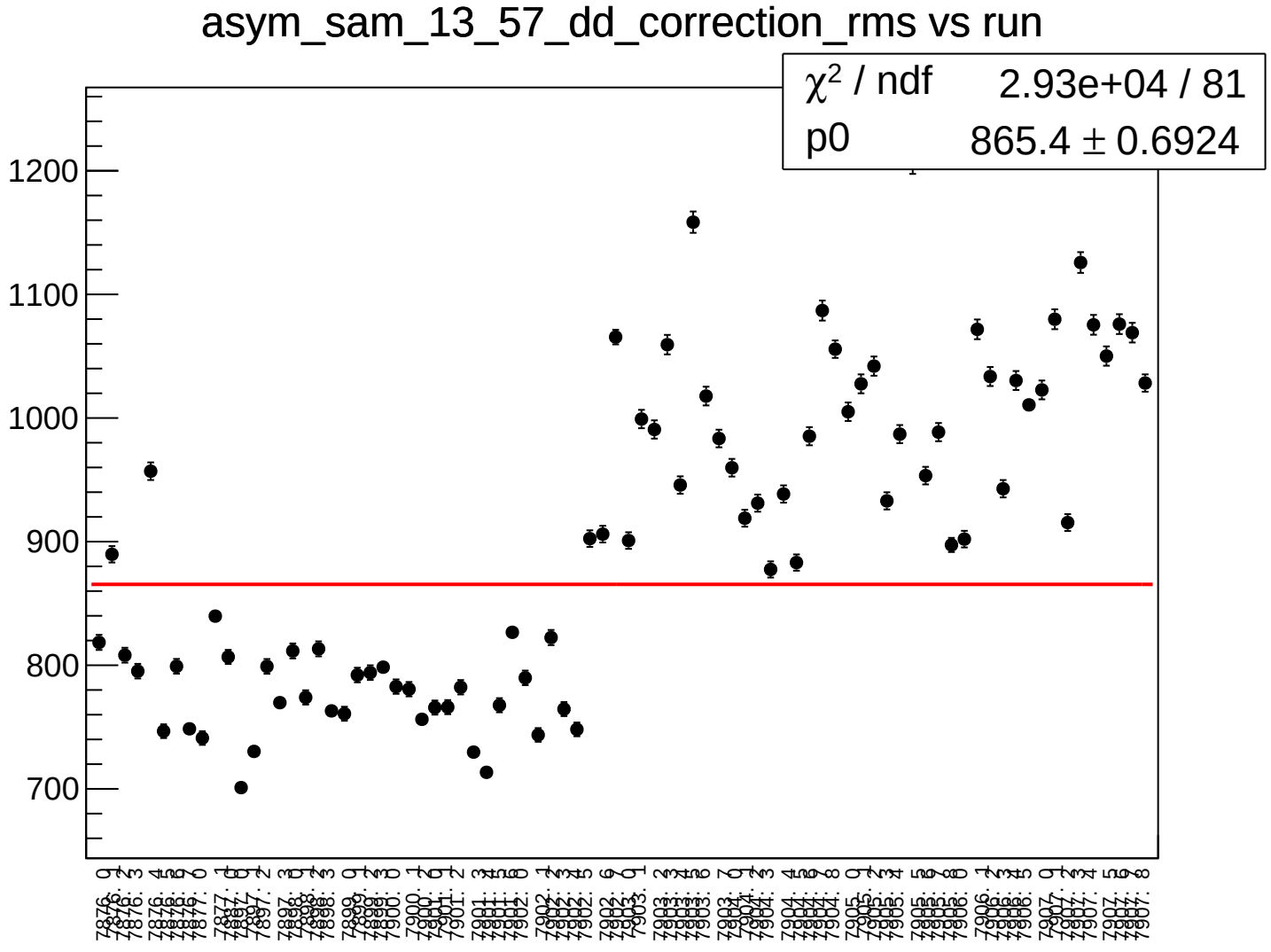


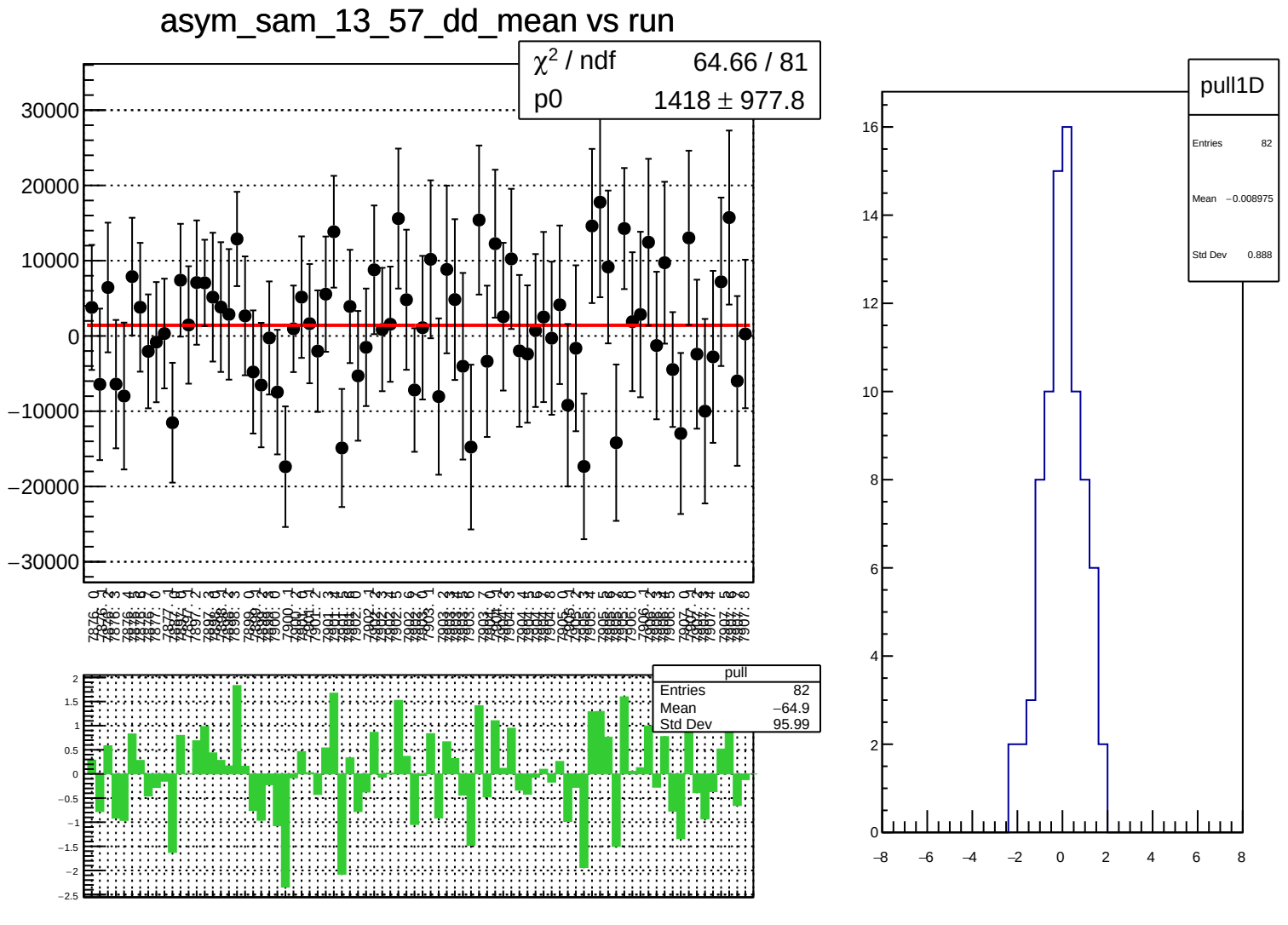

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 80.21 / 81
p0 −94.01 ± 113.3
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −243.7
Std Dev 274.4
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01427
Std Dev 0.9889
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

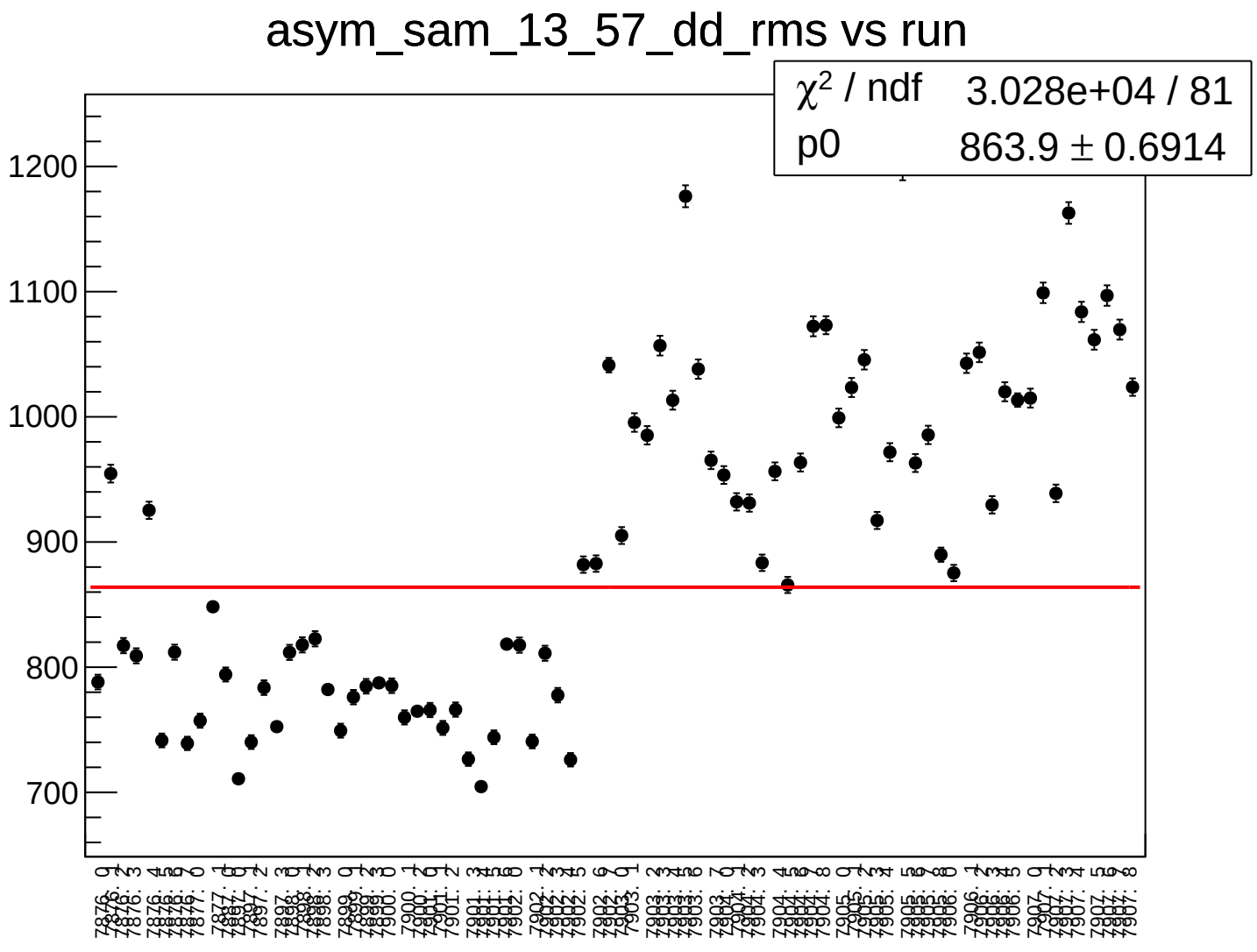
dit_asym_sam_13_57_dd_rms vs run

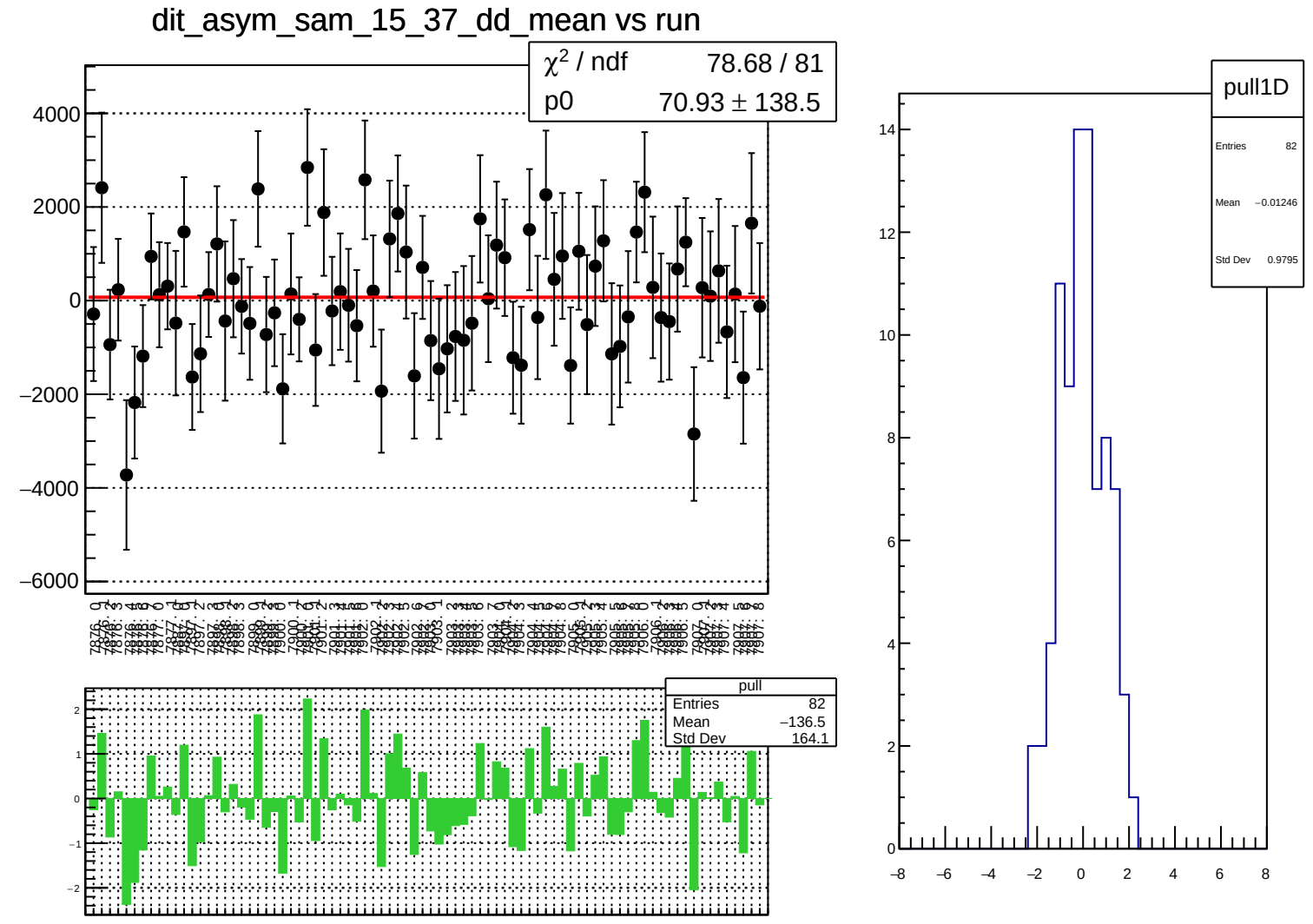



asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 64.91 / 81
p0 −1512 ± 979.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −84.33
Std Dev 112.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.0113
Std Dev 0.8896
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

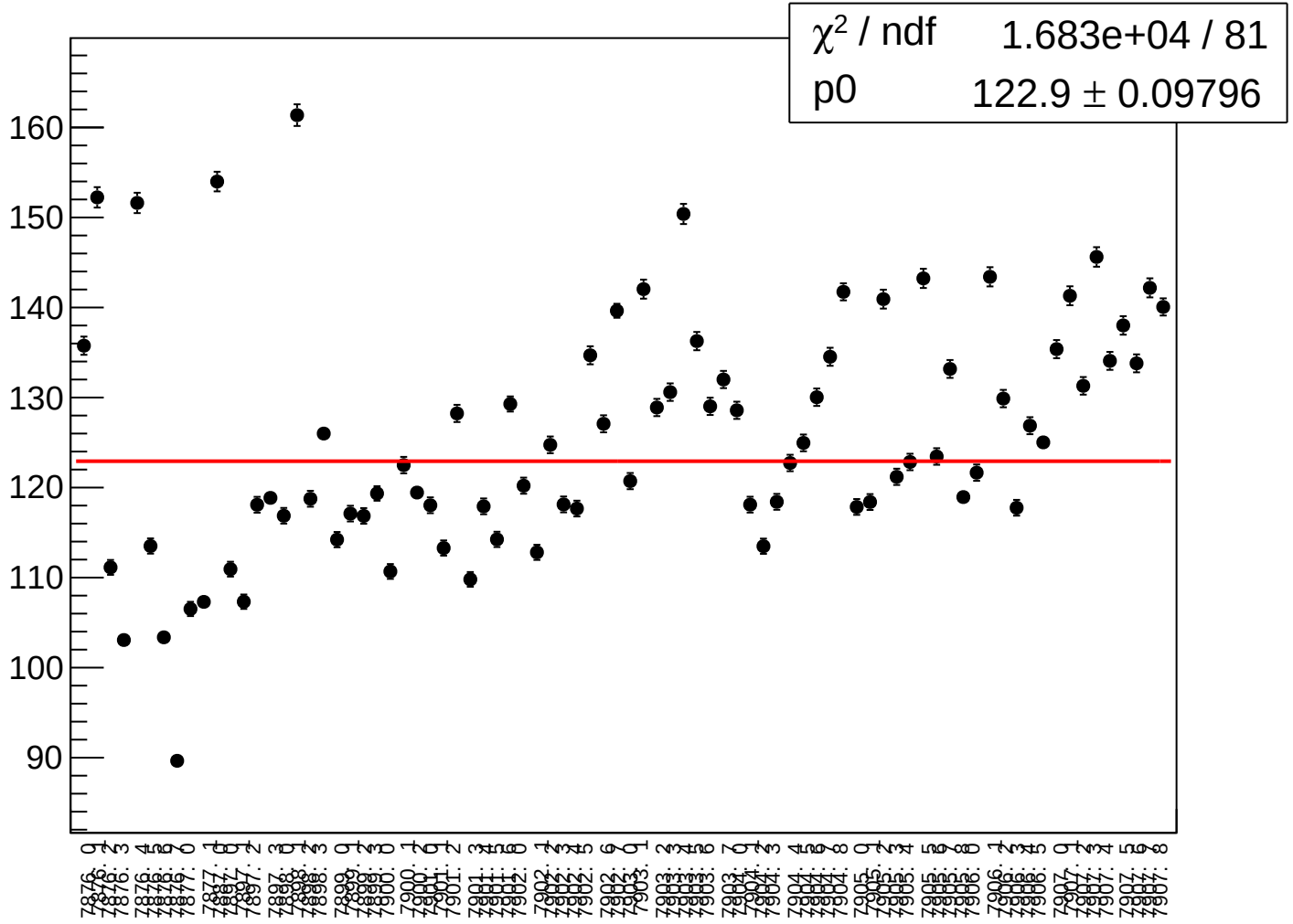

asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 2.93e+04 / 81
p0 865.4 ± 0.6924
1200
1100
1000
900
800
700

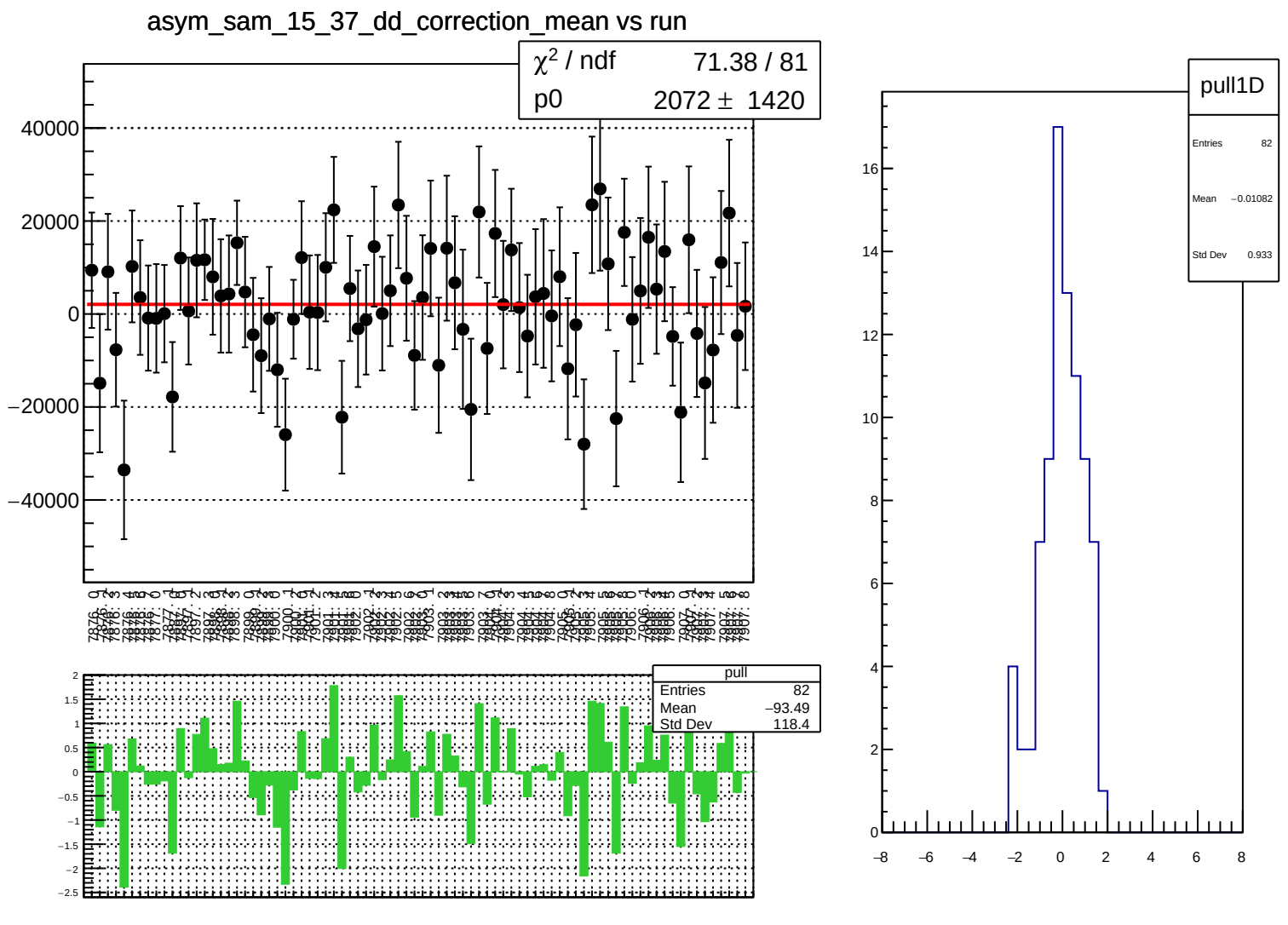

asym_sam_13_57_dd_mean vs run
χ² / ndf 64.66 / 81
p0 1418 ± 977.8
pull
Entries 82
Mean −64.9
Std Dev 95.99
pull1D
Entries 82
Mean −0.008975
Std Dev 0.888

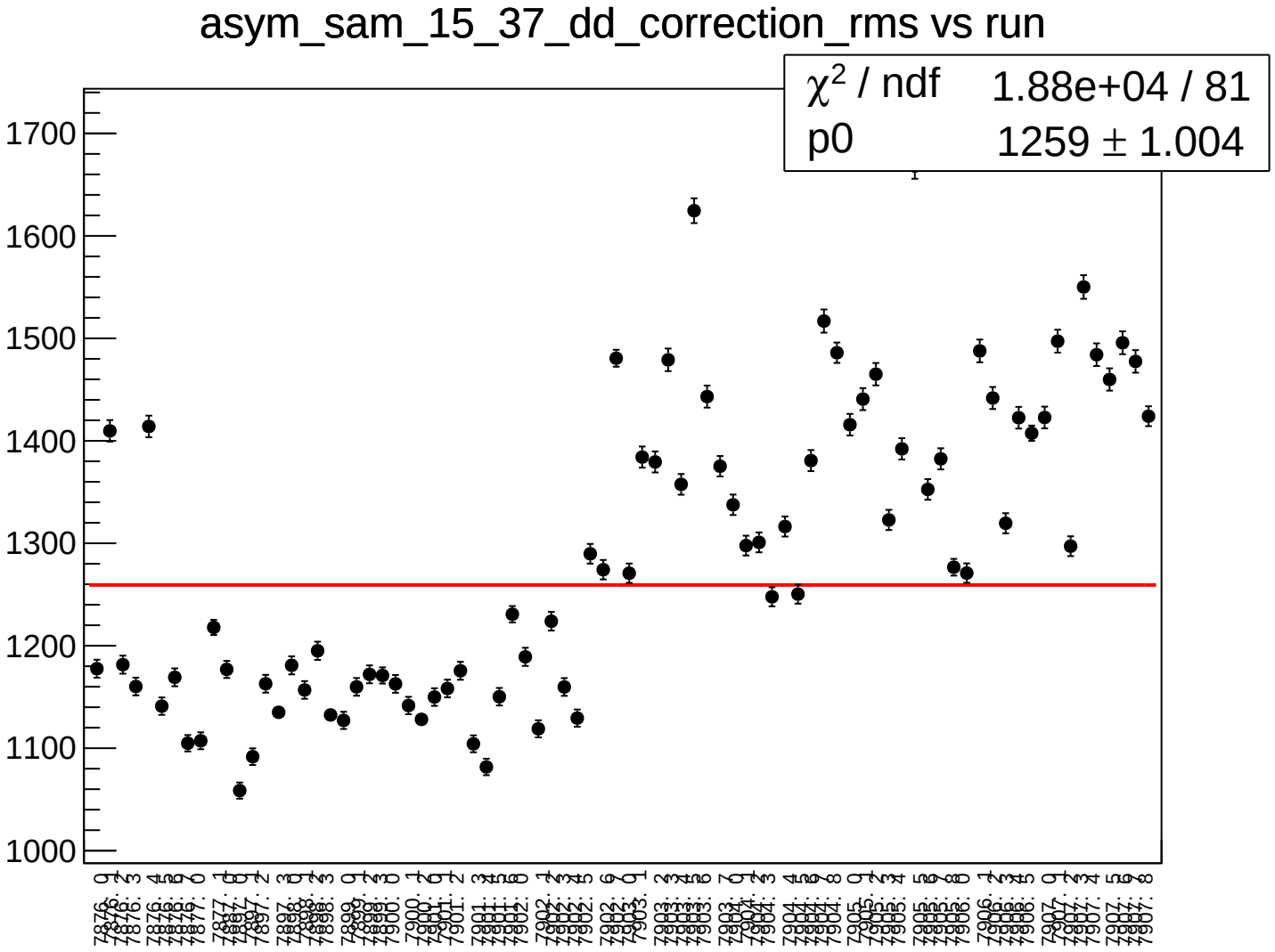

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3.028e+04 / 81
p0 863.9 ± 0.6914
1200
1100
1000
900
800
700

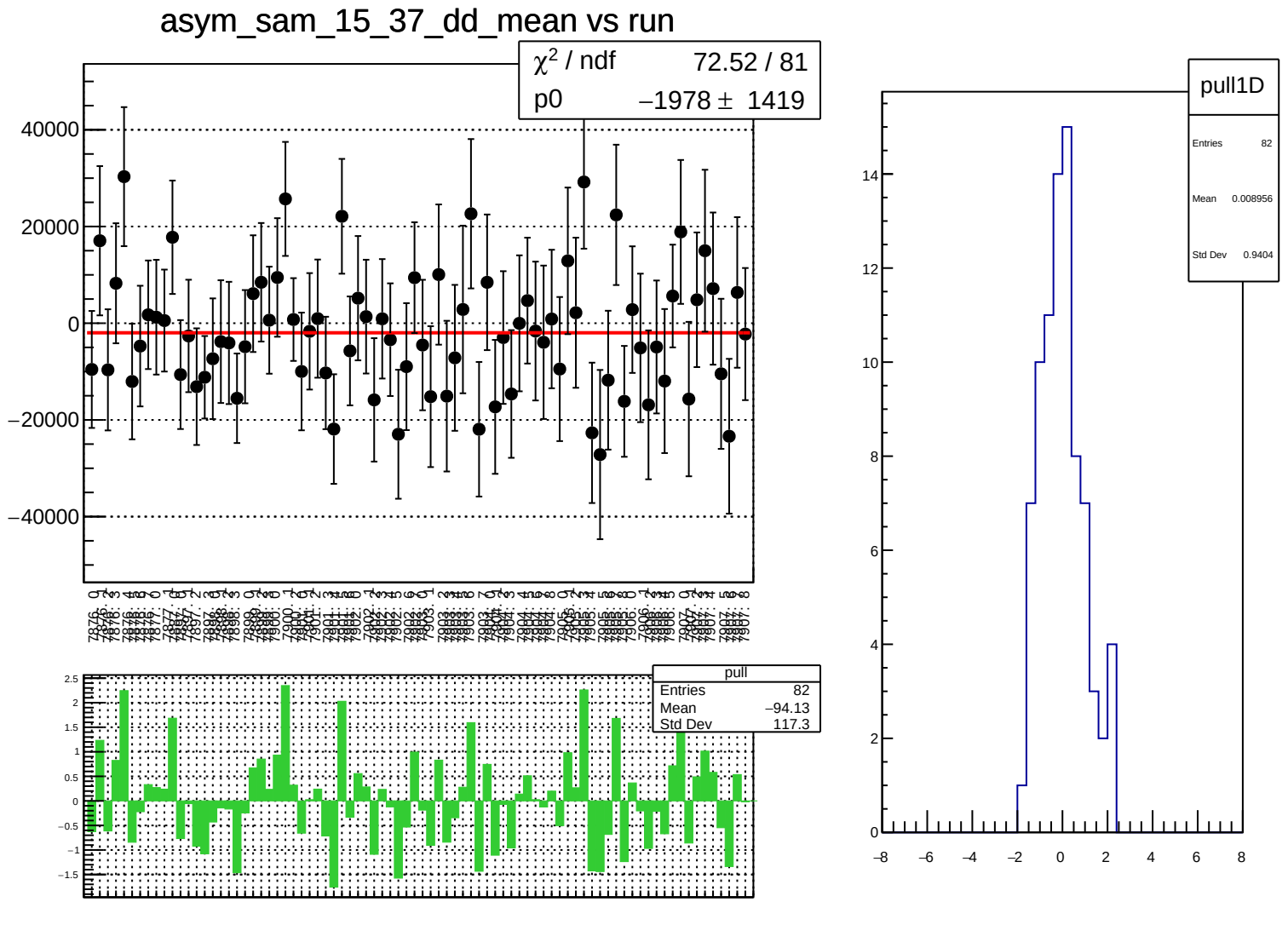

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.68 / 81
p0 70.93 ± 138.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −136.5
Std Dev 164.1
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01246
Std Dev 0.9795
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_37_dd_rms vs run

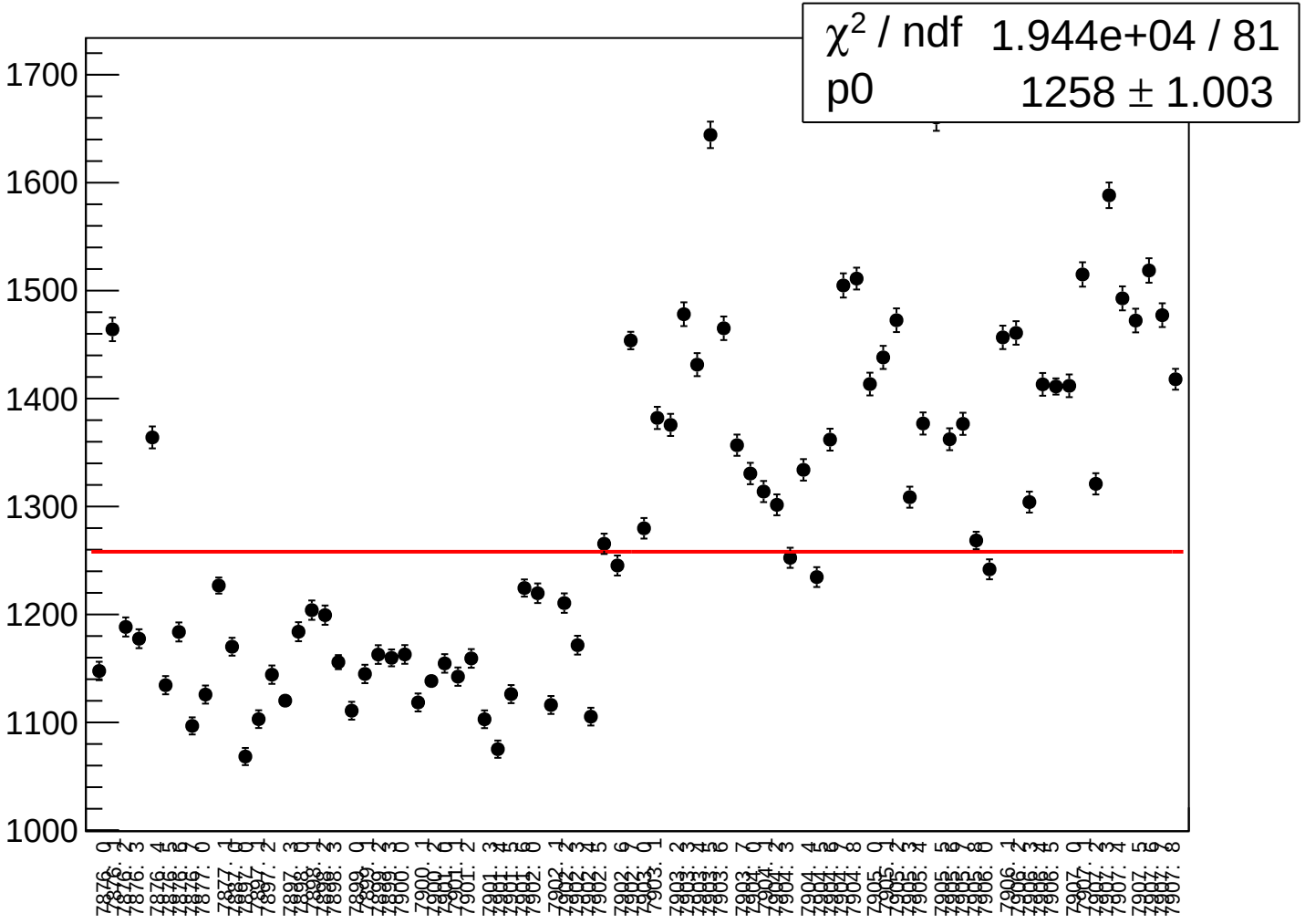


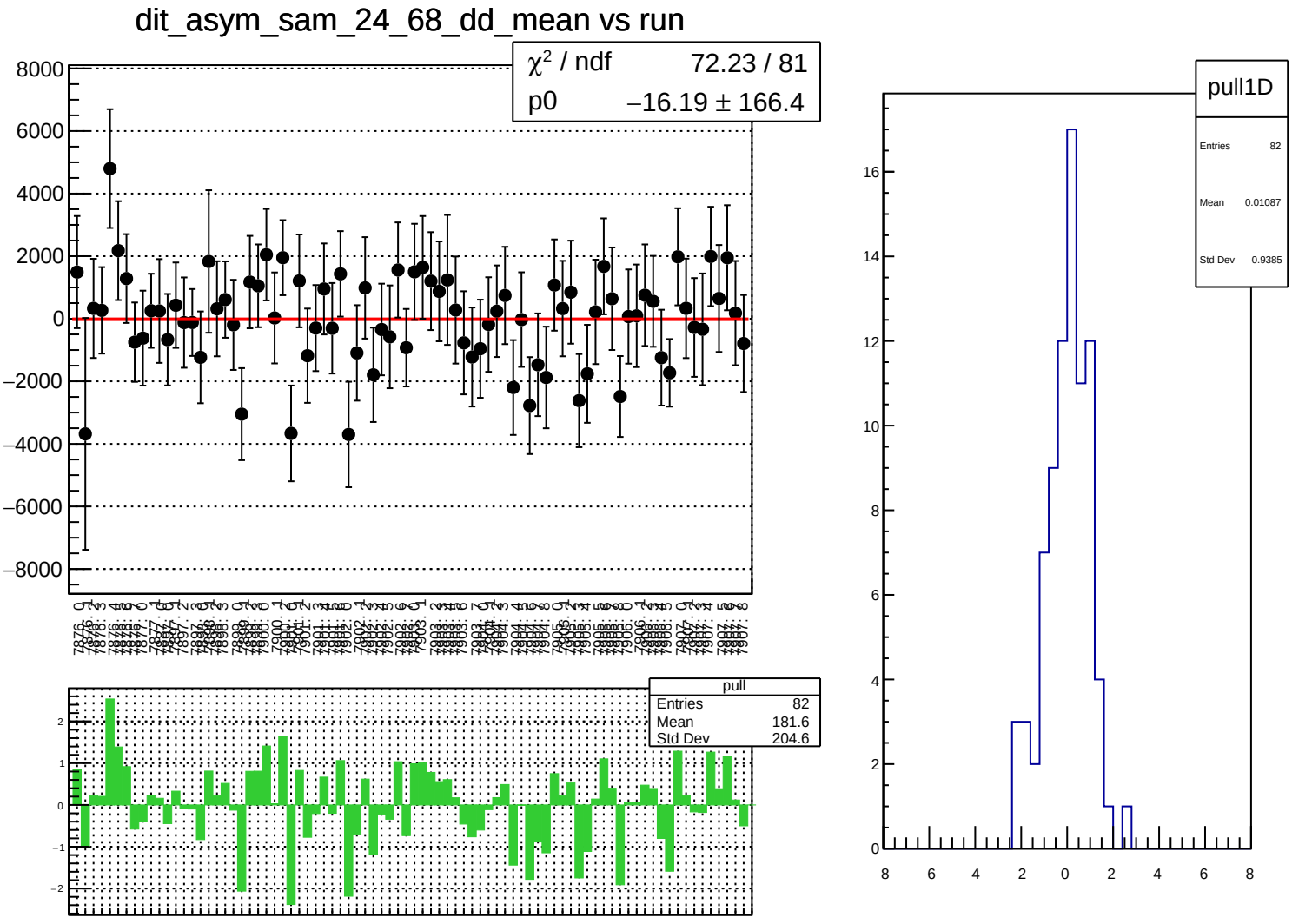

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 71.38 / 81
p0 2072 ± 1420
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −93.49
Std Dev 118.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.01082
Std Dev 0.933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_correction_rms vs run
χ2 / ndf 1.88e+04 / 81
p0 1259 ± 1.004
1700
1600
1500
1400
1300
1200
1100
1000

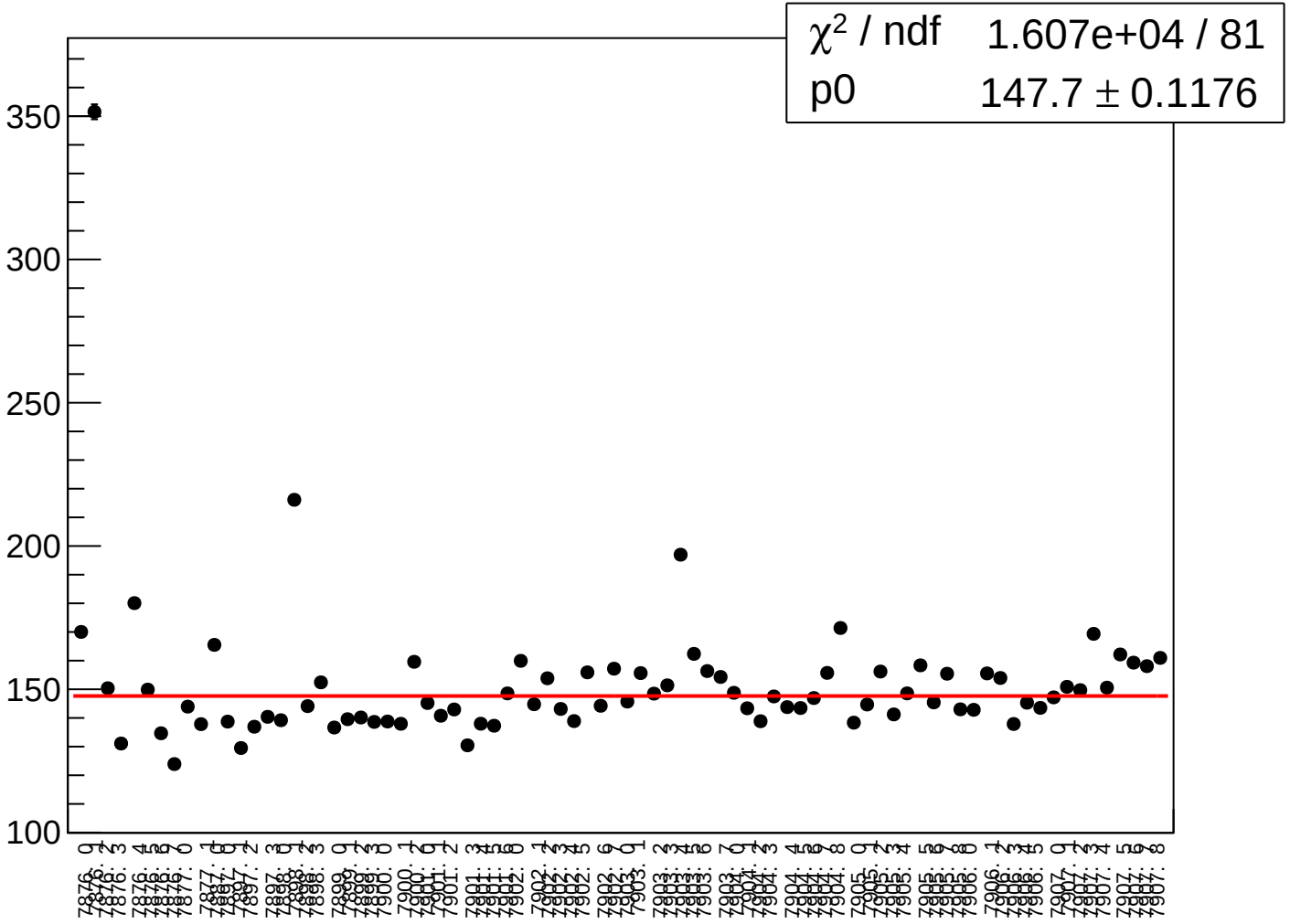

asym_sam_15_37_dd_mean vs run
χ² / ndf 72.52 / 81
p0 −1978 ± 1419
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −94.13
Std Dev 117.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.008956
Std Dev 0.9404
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

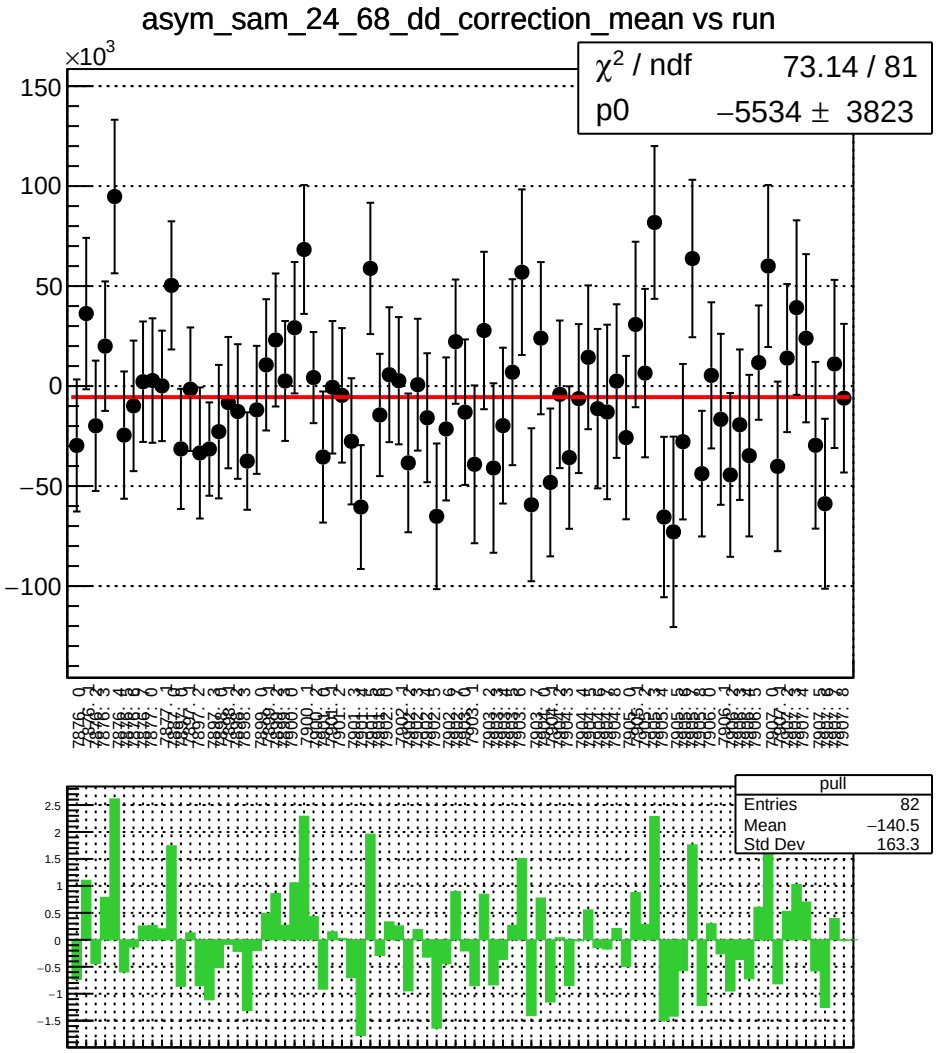
asym_sam_15_37_dd_rms vs run

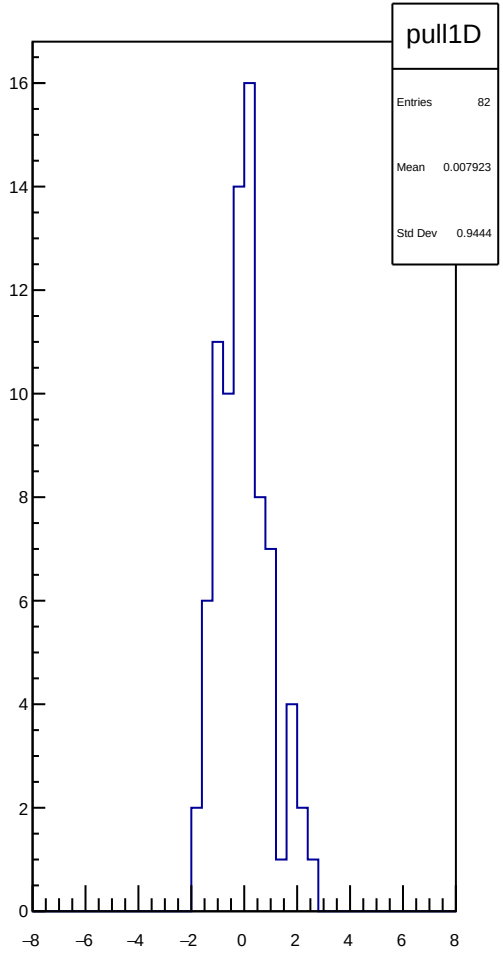


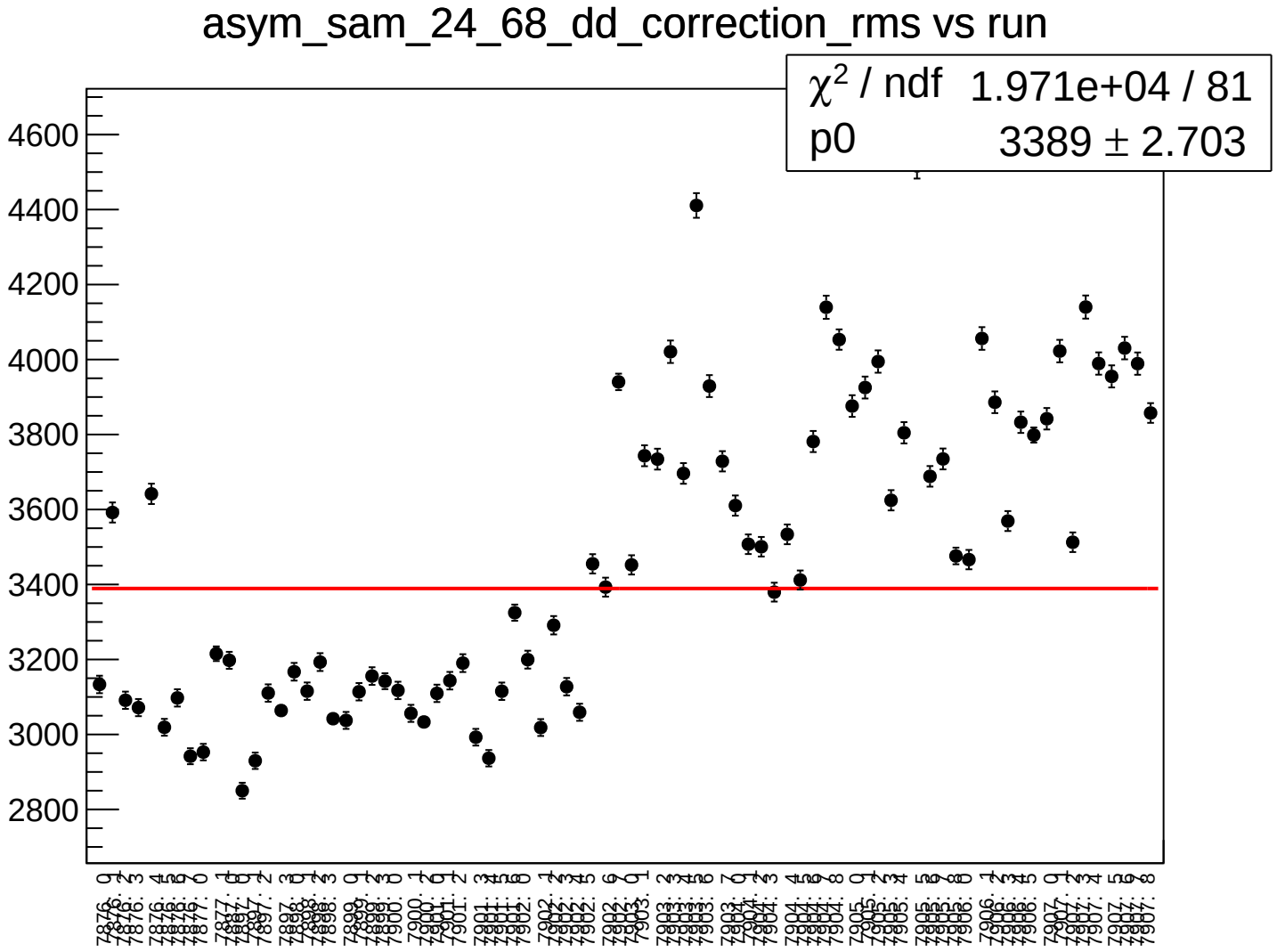

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 72.23 / 81
p0 −16.19 ± 166.4
pull
Entries 82
Mean −181.6
Std Dev 204.6
pull1D
Entries 82
Mean 0.01087
Std Dev 0.9385

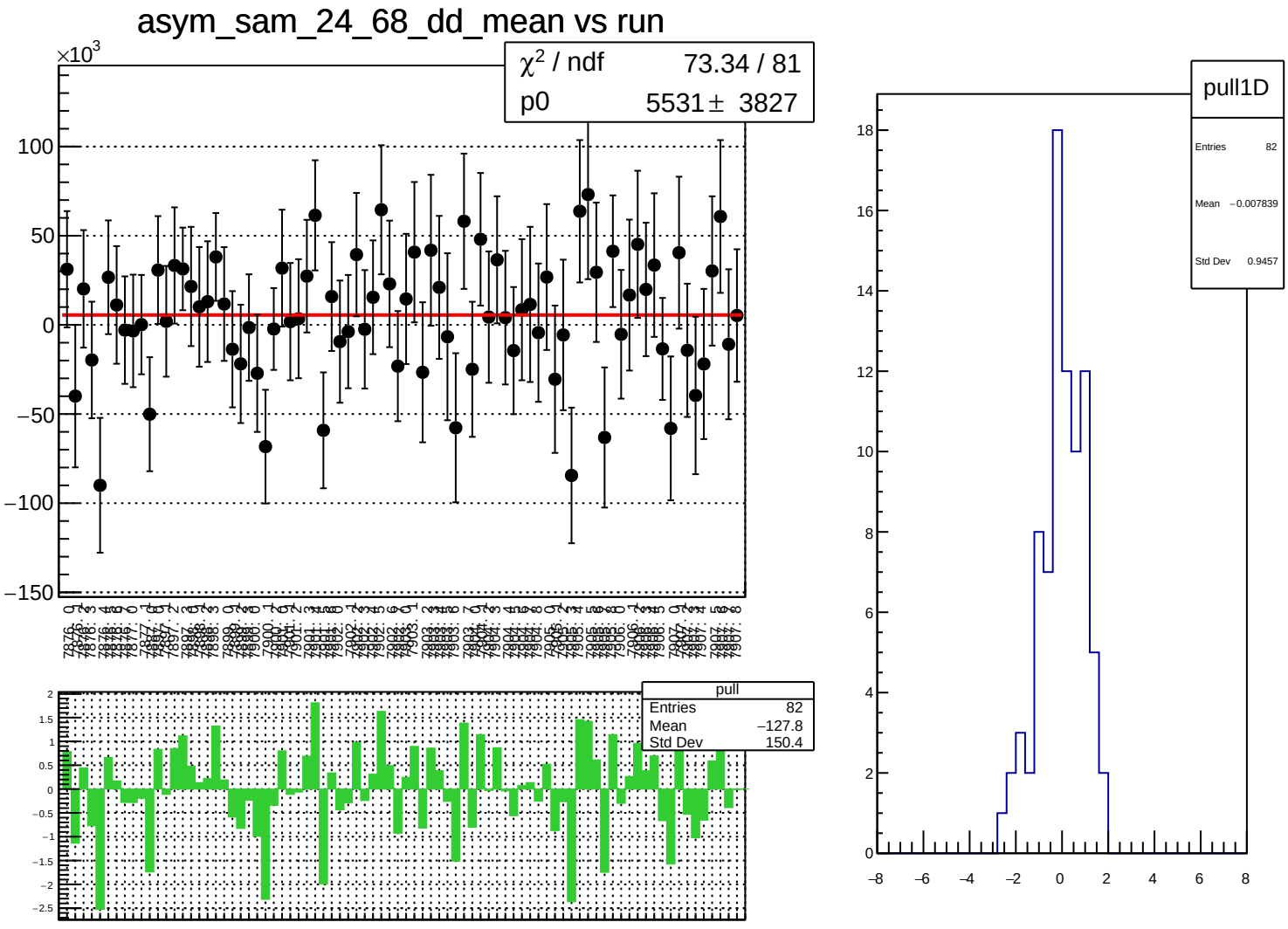
dit_asym_sam_24_68_dd_rms vs run



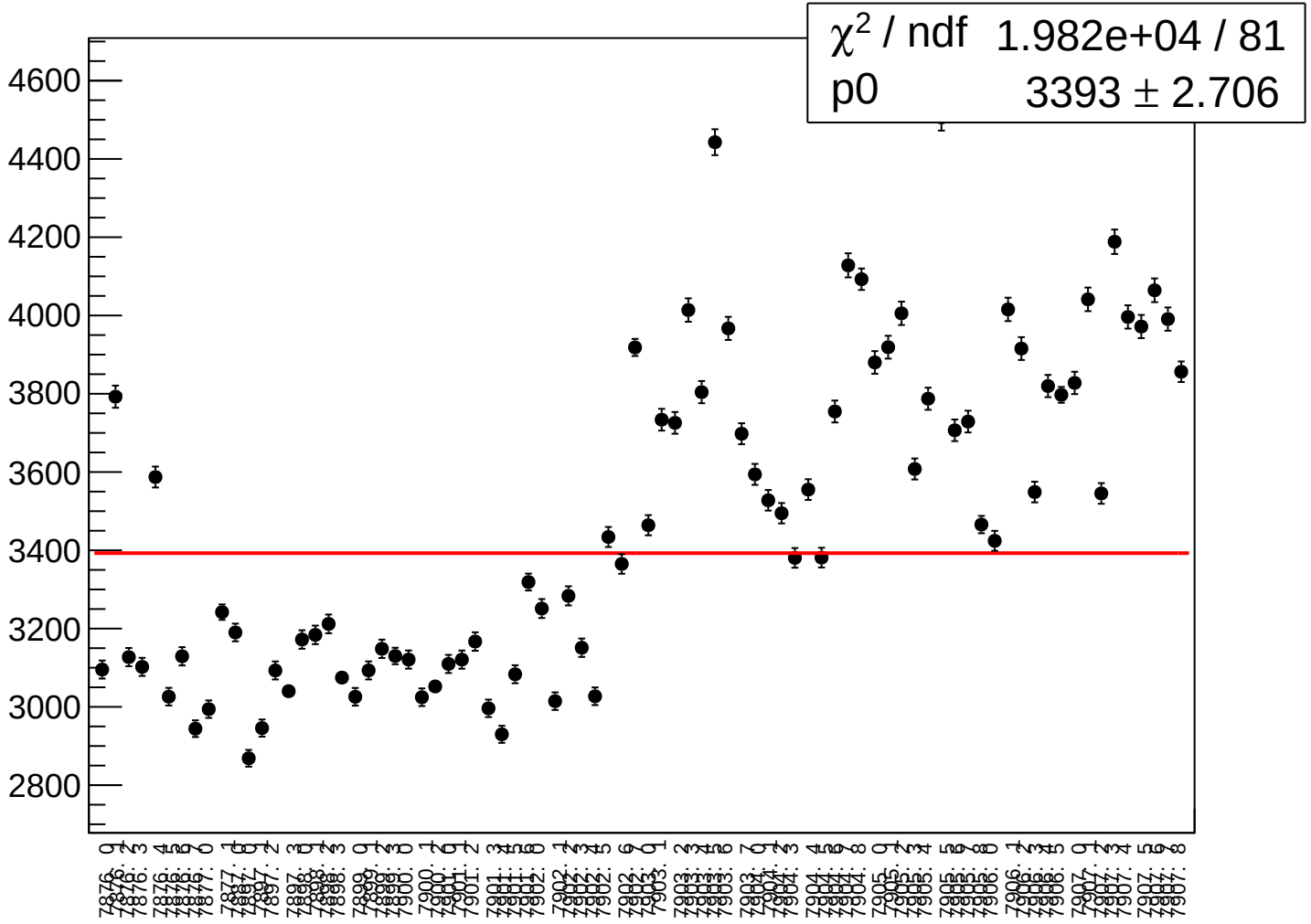

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 73.14 / 81
p0 −5534 ± 3823
pull
Entries 82
Mean −140.5
Std Dev 163.3

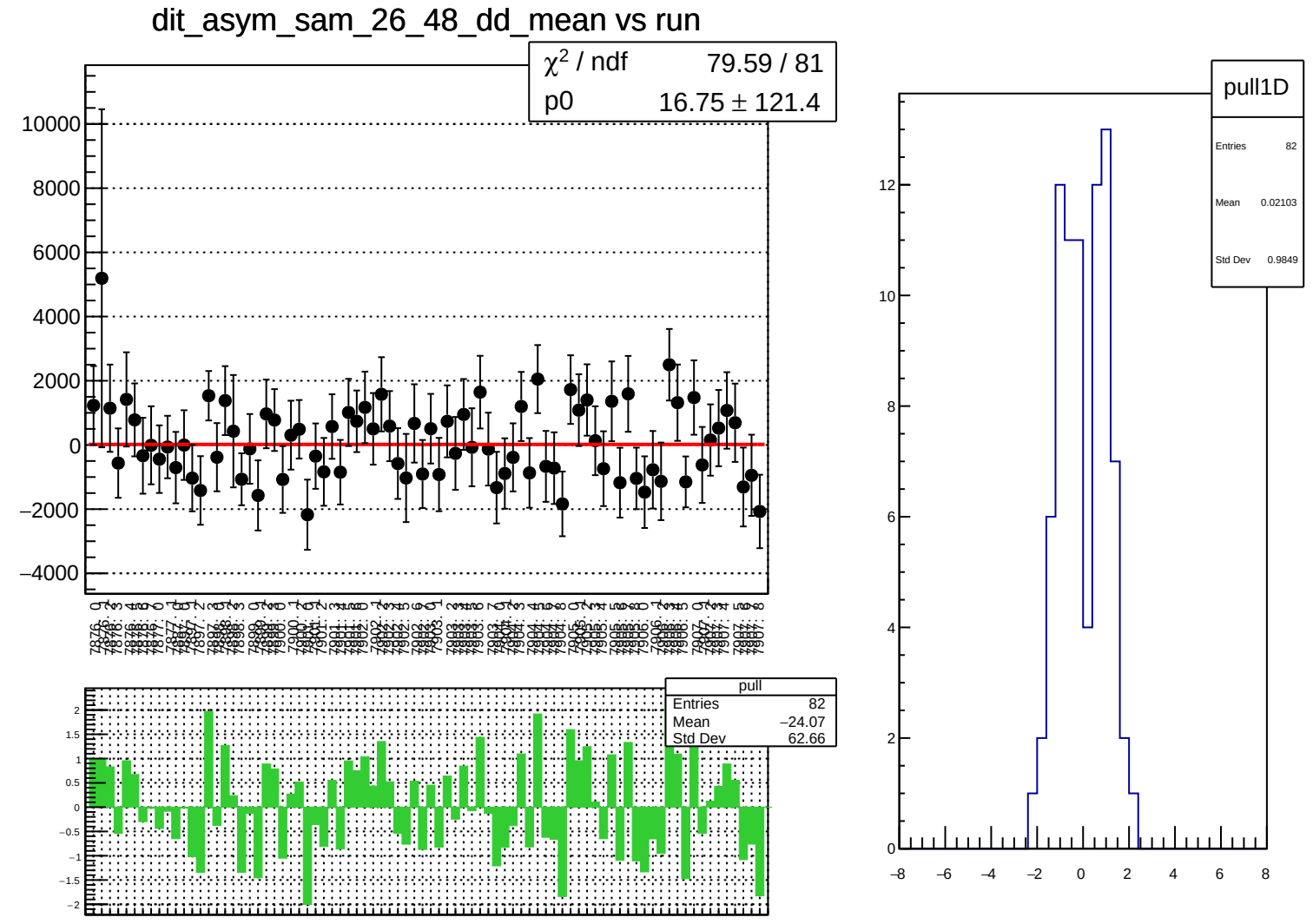

pull1D
Entries 82
Mean 0.007923
Std Dev 0.9444


asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 1.971e+04 / 81
p0 3389 ± 2.703
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

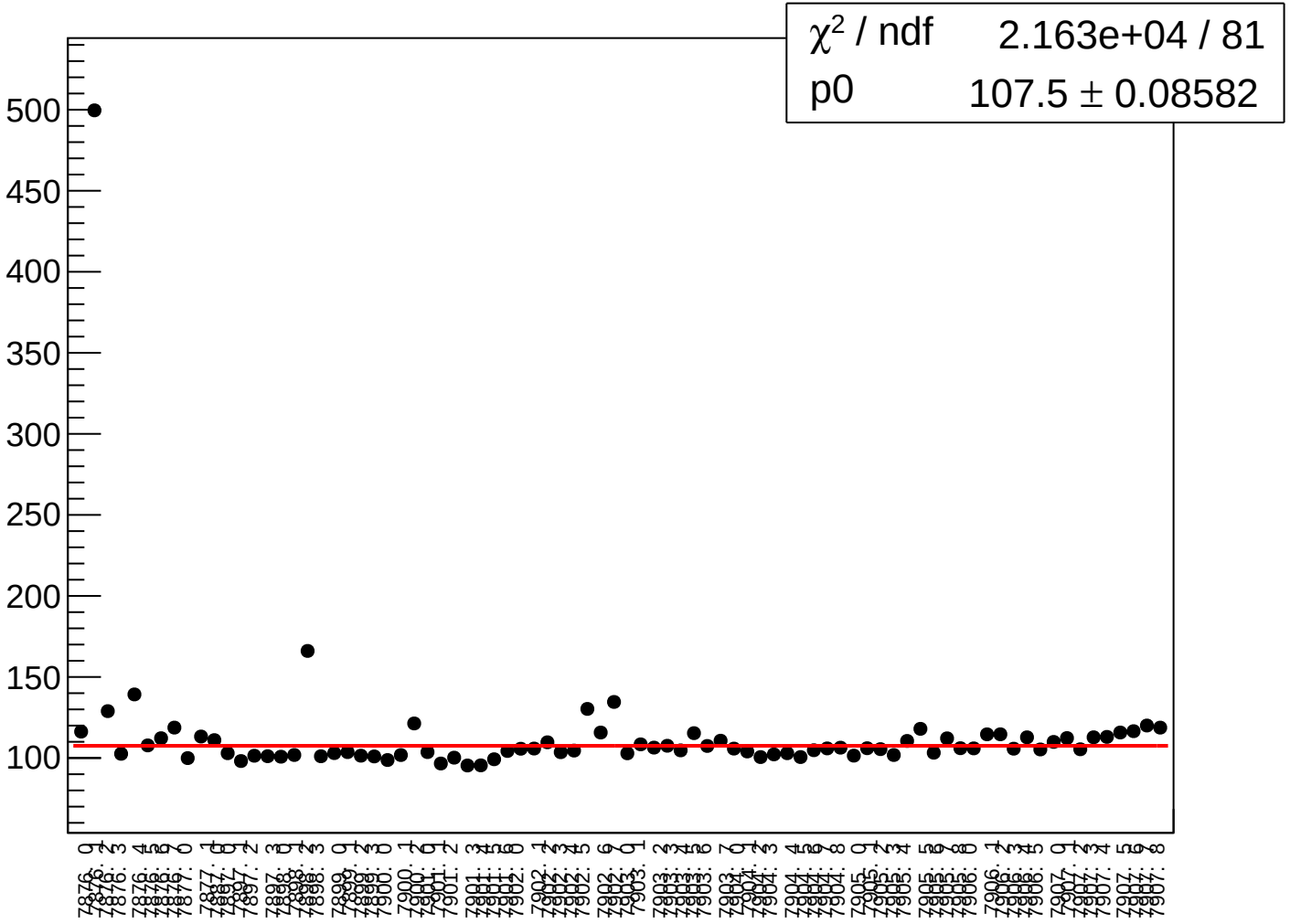

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 73.34 / 81
p0 5531 ± 3827
pull
Entries 82
Mean −127.8
Std Dev 150.4
pull1D
Entries 82
Mean −0.007839
Std Dev 0.9457

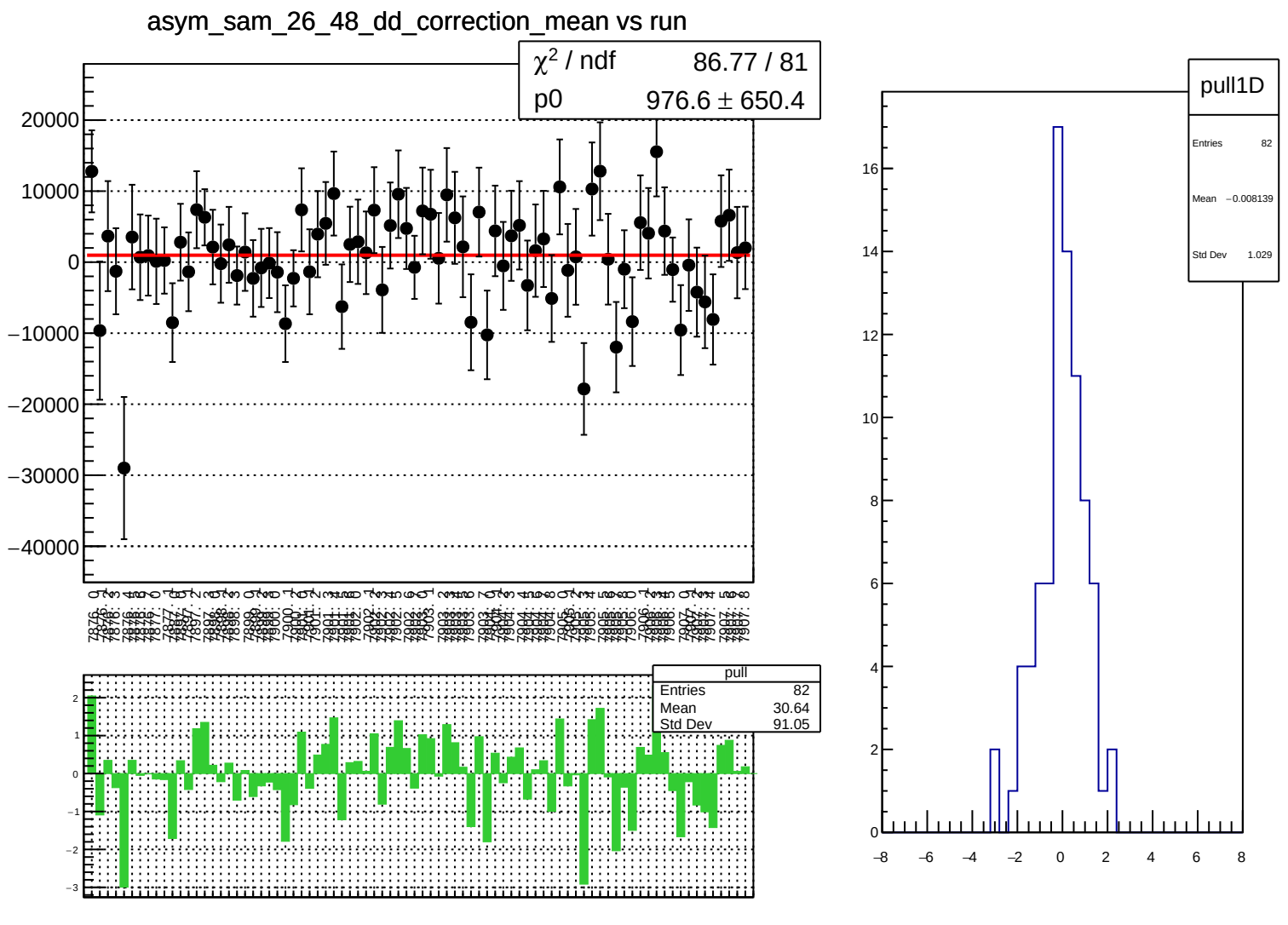
asym_sam_24_68_dd_rms vs run



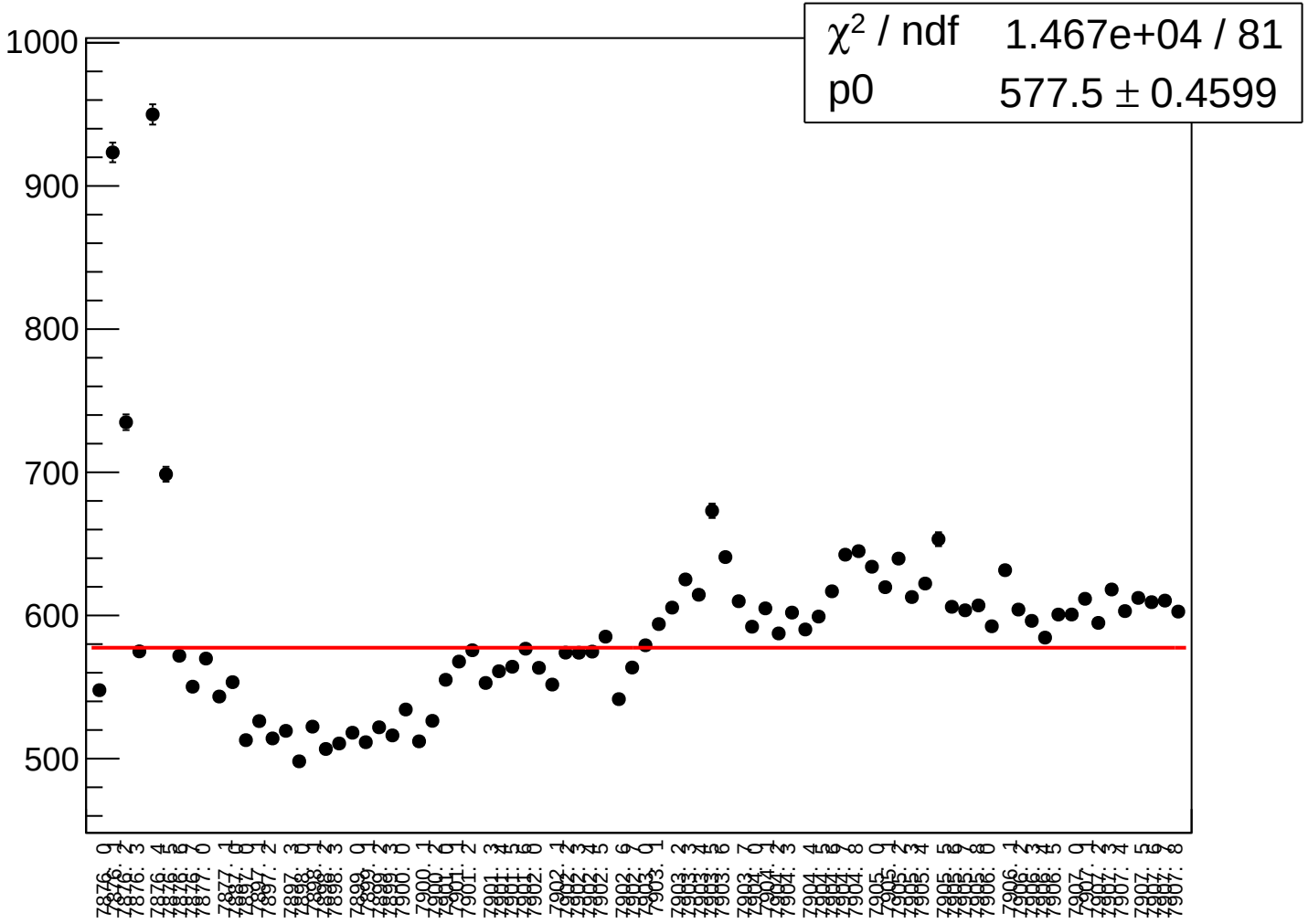

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 79.59 / 81
p0 16.75 ± 121.4
pull
Entries 82
Mean −24.07
Std Dev 62.66
pull1D
Entries 82
Mean 0.02103
Std Dev 0.9849

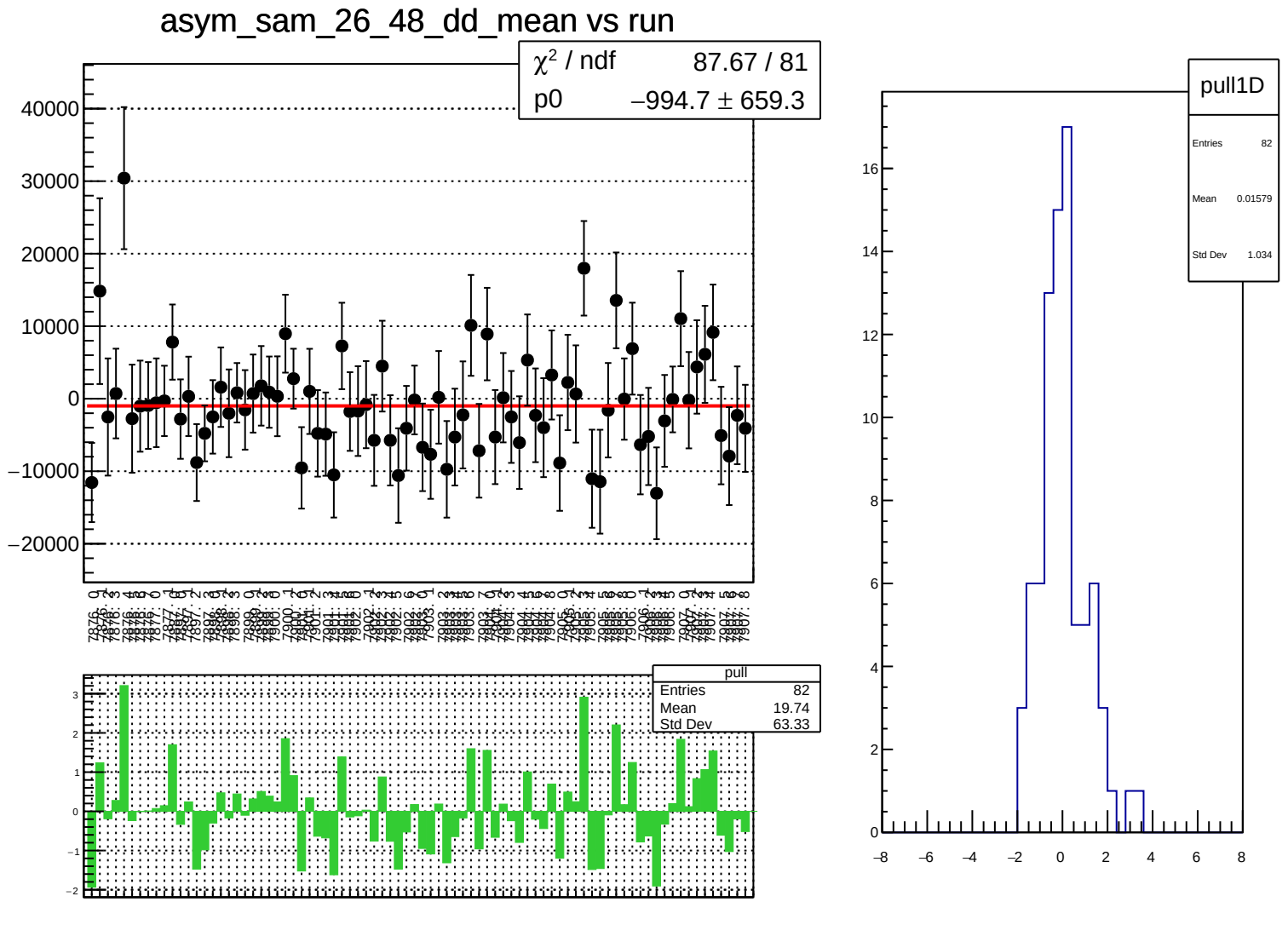
dit_asym_sam_26_48_dd_rms vs run

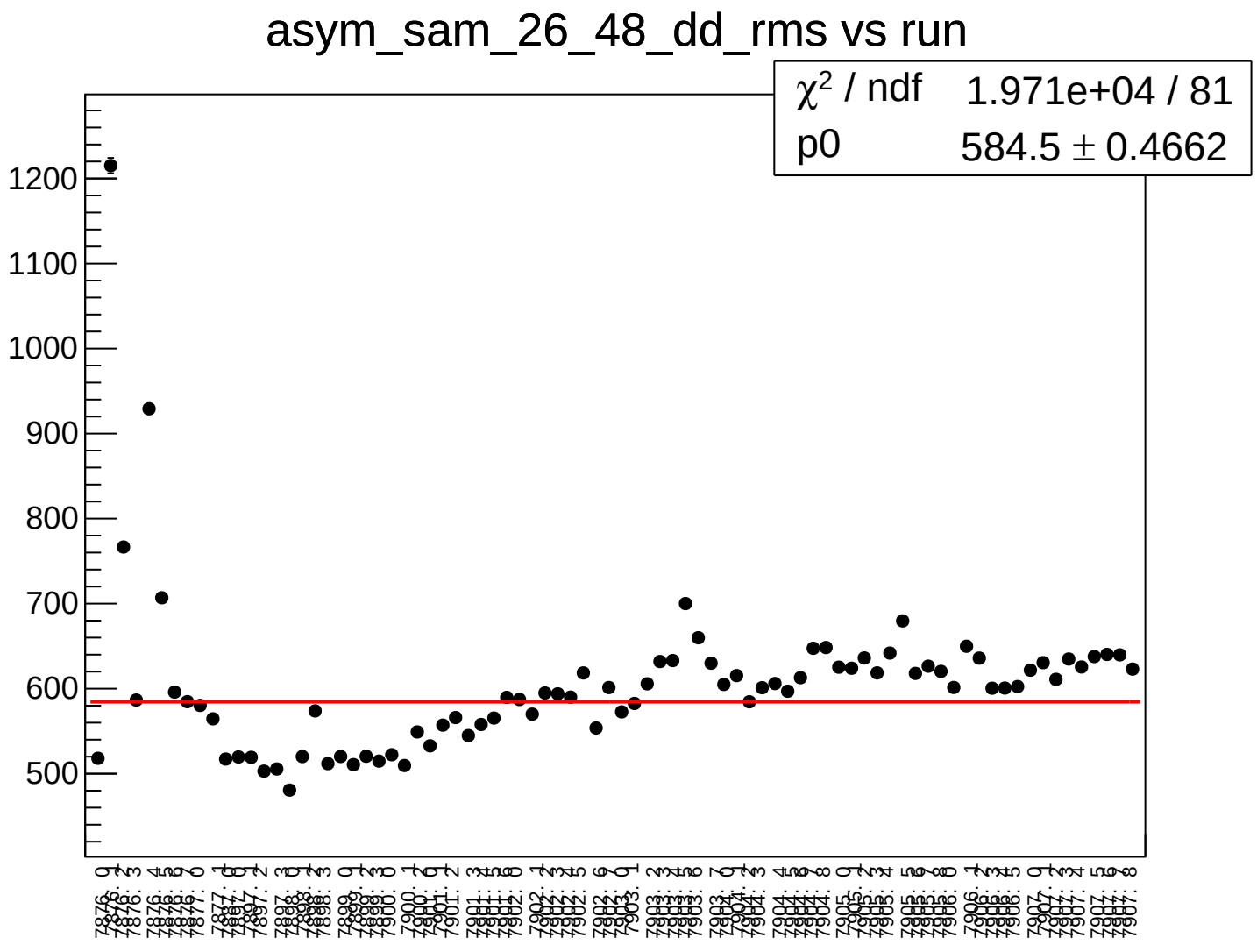


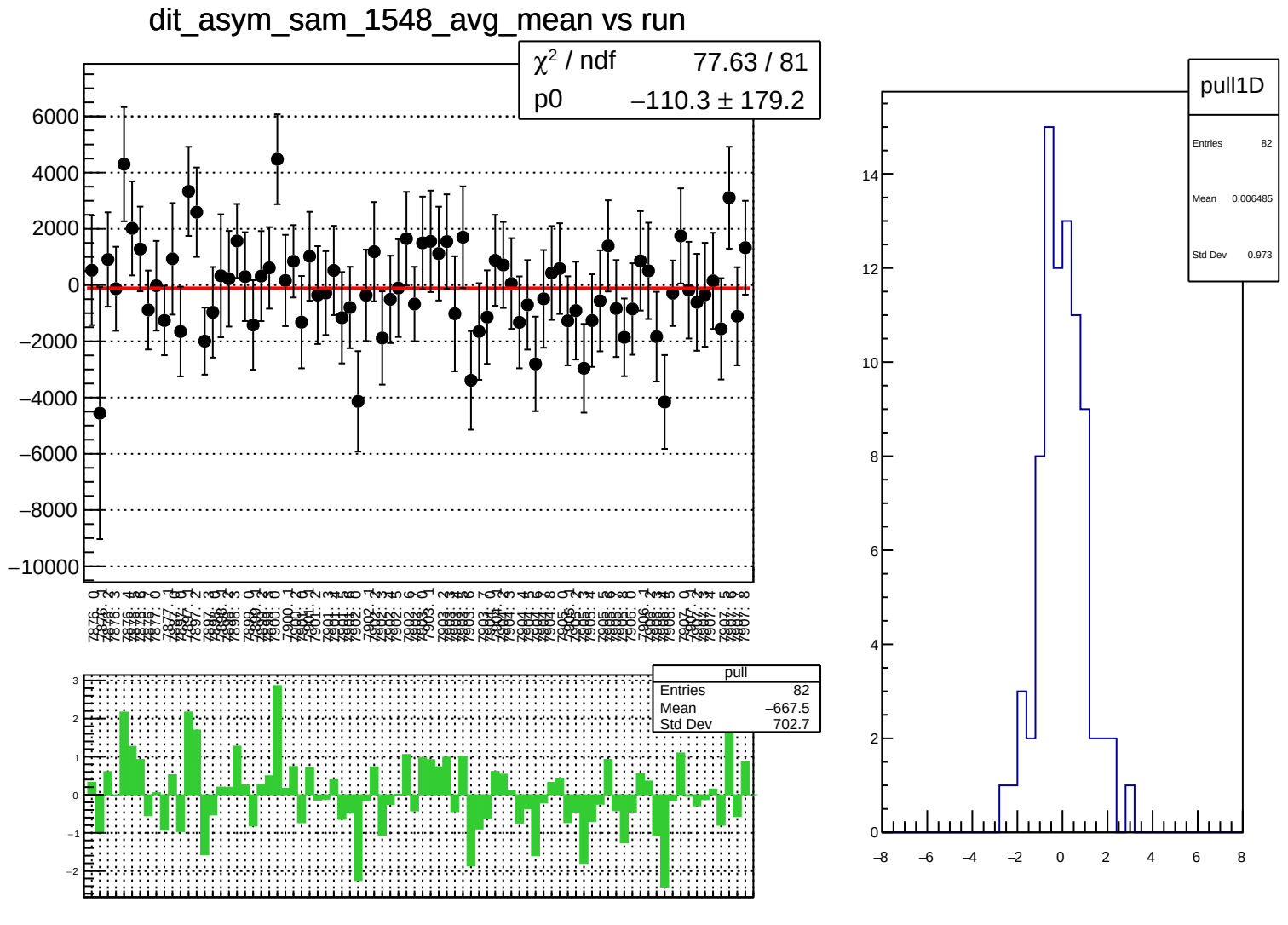

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 86.77 / 81
p0 976.6 ± 650.4
pull
Entries 82
Mean 30.64
Std Dev 91.05
pull1D
Entries 82
Mean −0.008139
Std Dev 1.029

asym_sam_26_48_dd_correction_rms vs run

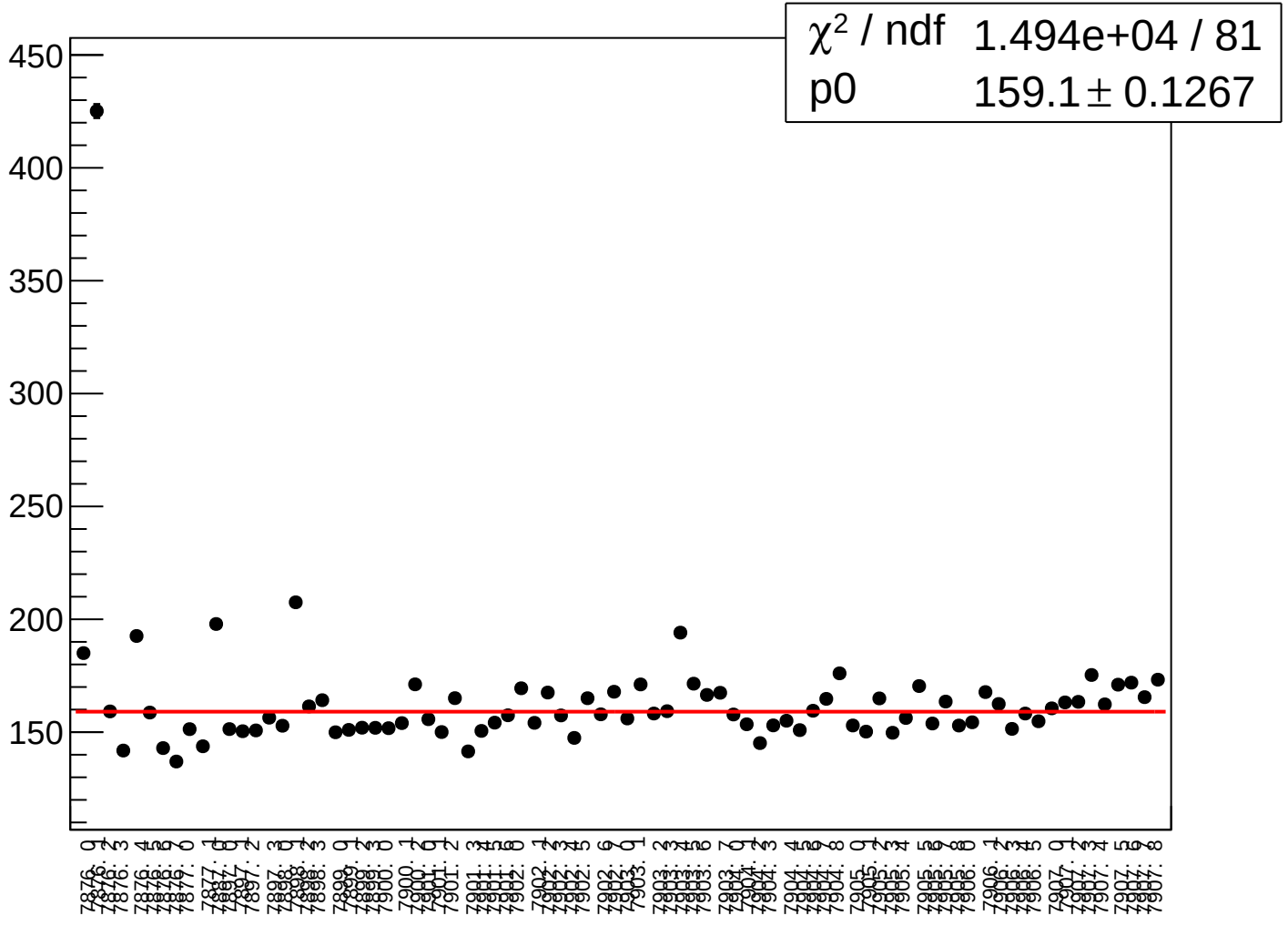


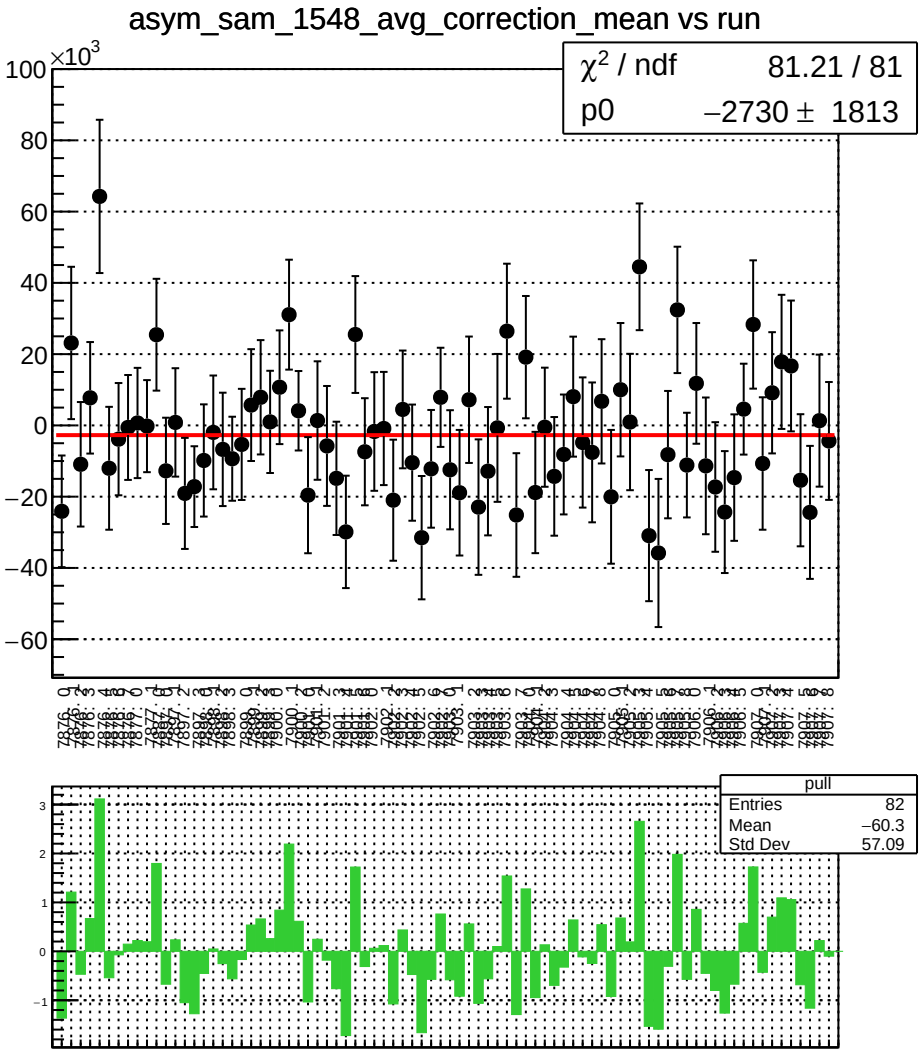

asym_sam_26_48_dd_mean vs run
χ² / ndf 87.67 / 81
p0 −994.7 ± 659.3
pull
Entries 82
Mean 19.74
Std Dev 63.33
pull1D
Entries 82
Mean 0.01579
Std Dev 1.034

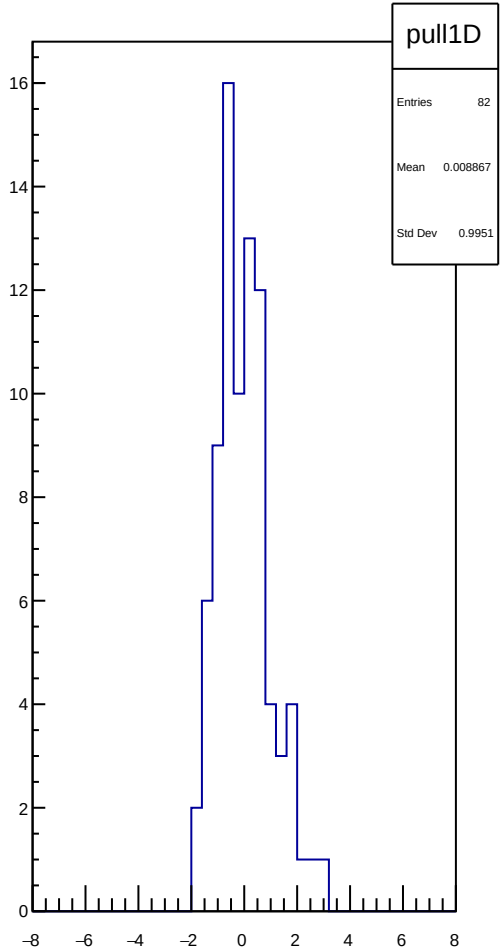

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.971e+04 / 81
p0 584.5 ± 0.4662
1200
1100
1000
900
800
700
600
500

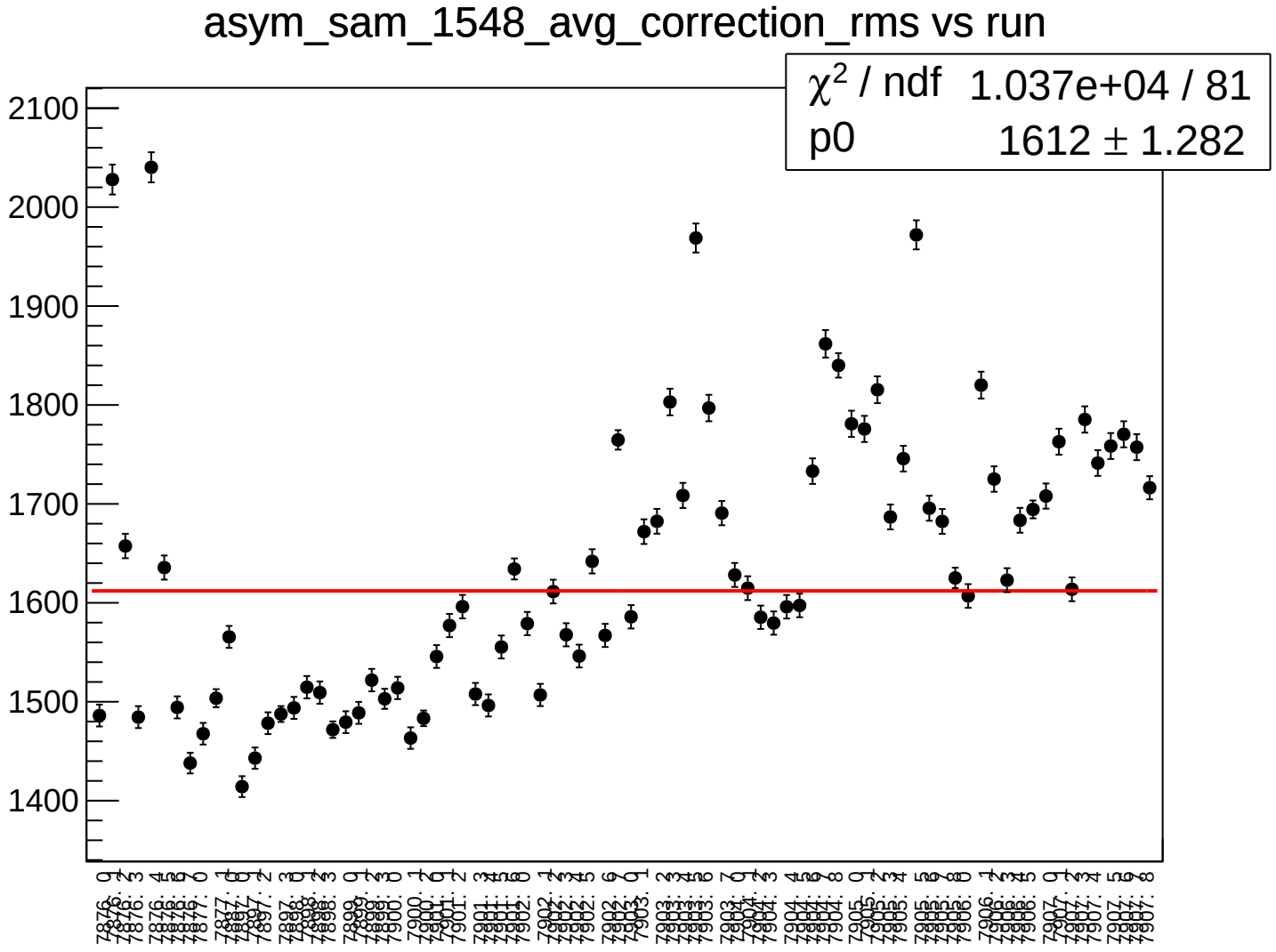

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 77.63 / 81
p0 −110.3 ± 179.2
pull
Entries 82
Mean −667.5
Std Dev 702.7
pull1D
Entries 82
Mean 0.006485
Std Dev 0.973

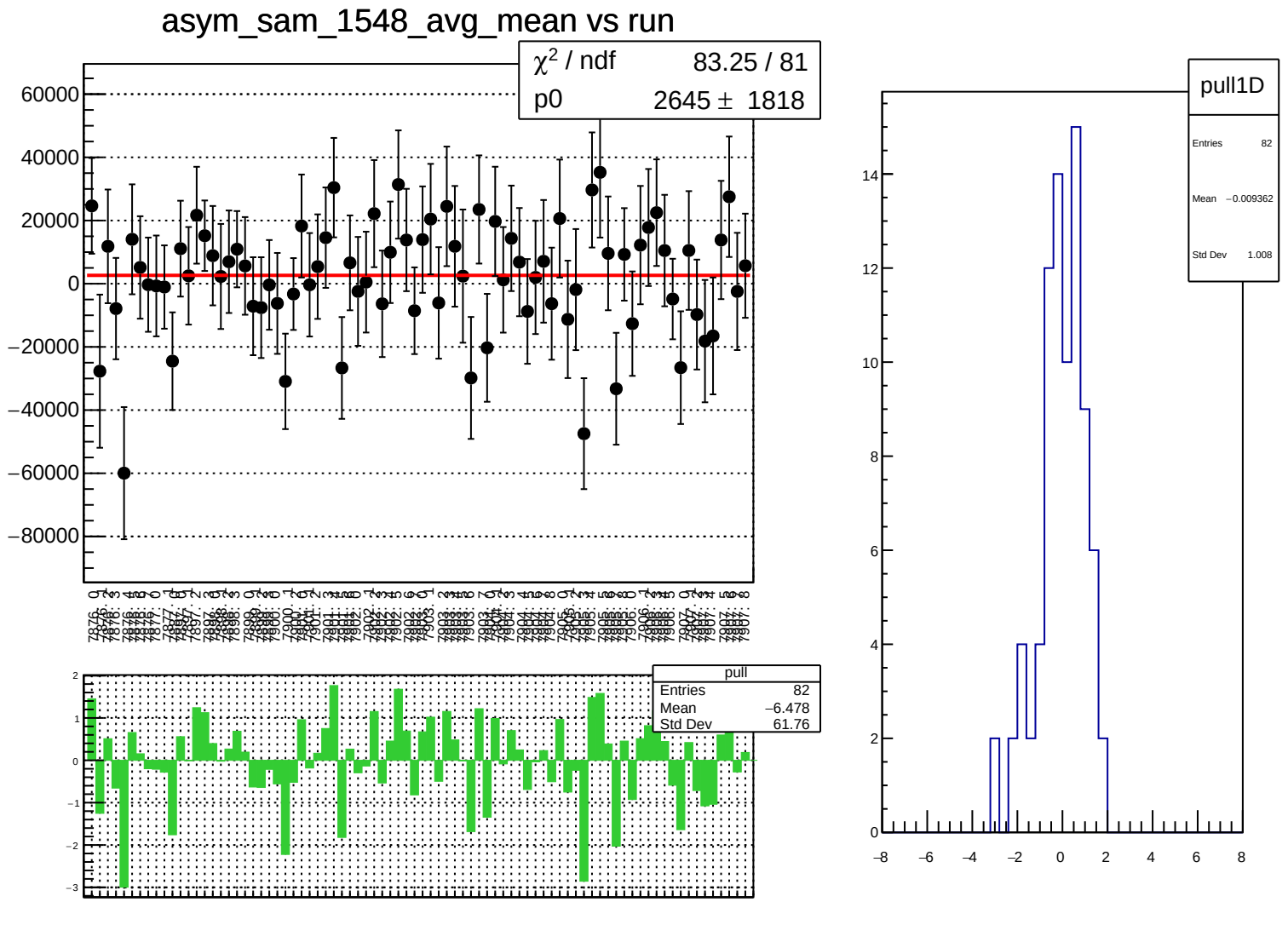
dit_asym_sam_1548_avg_rms vs run

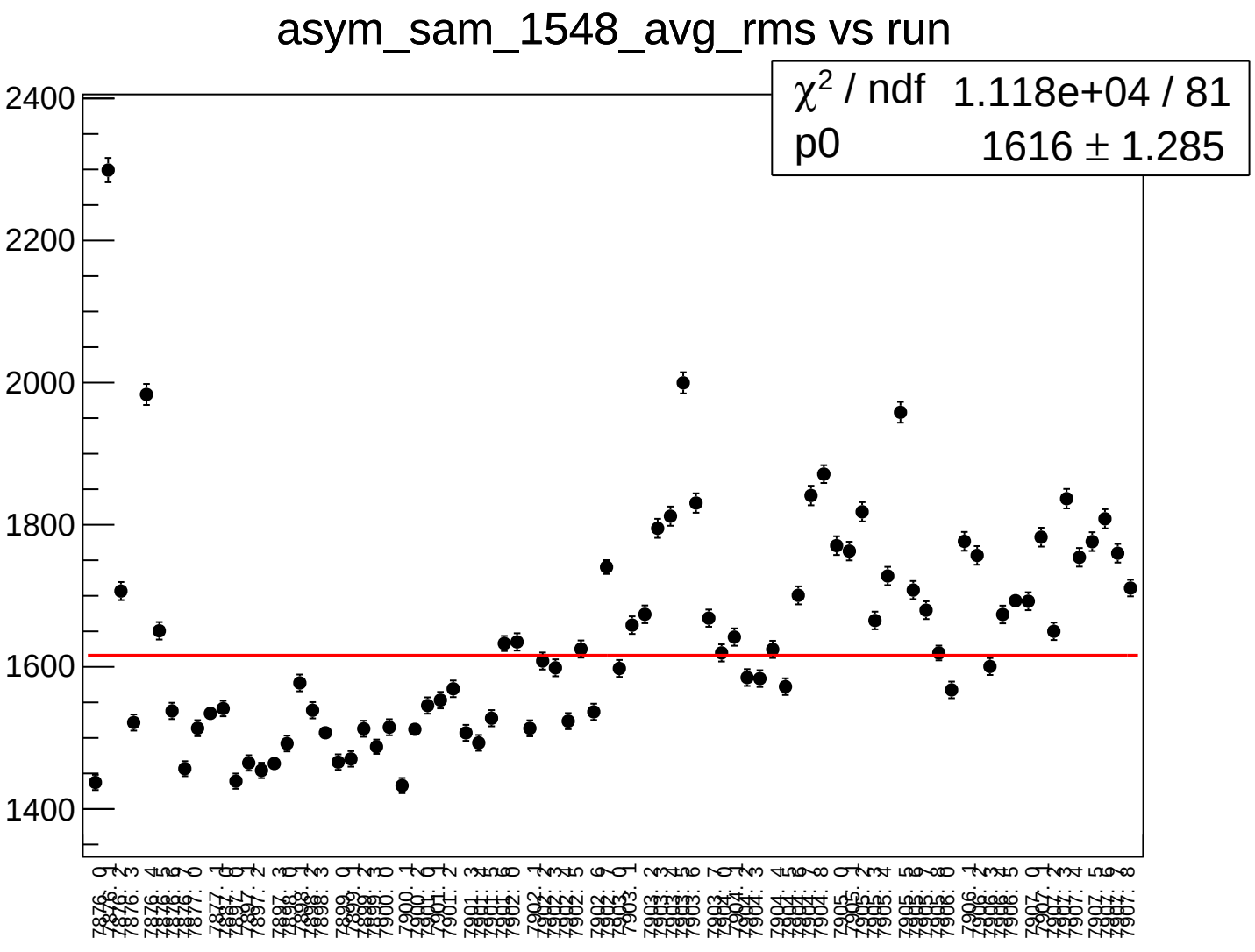


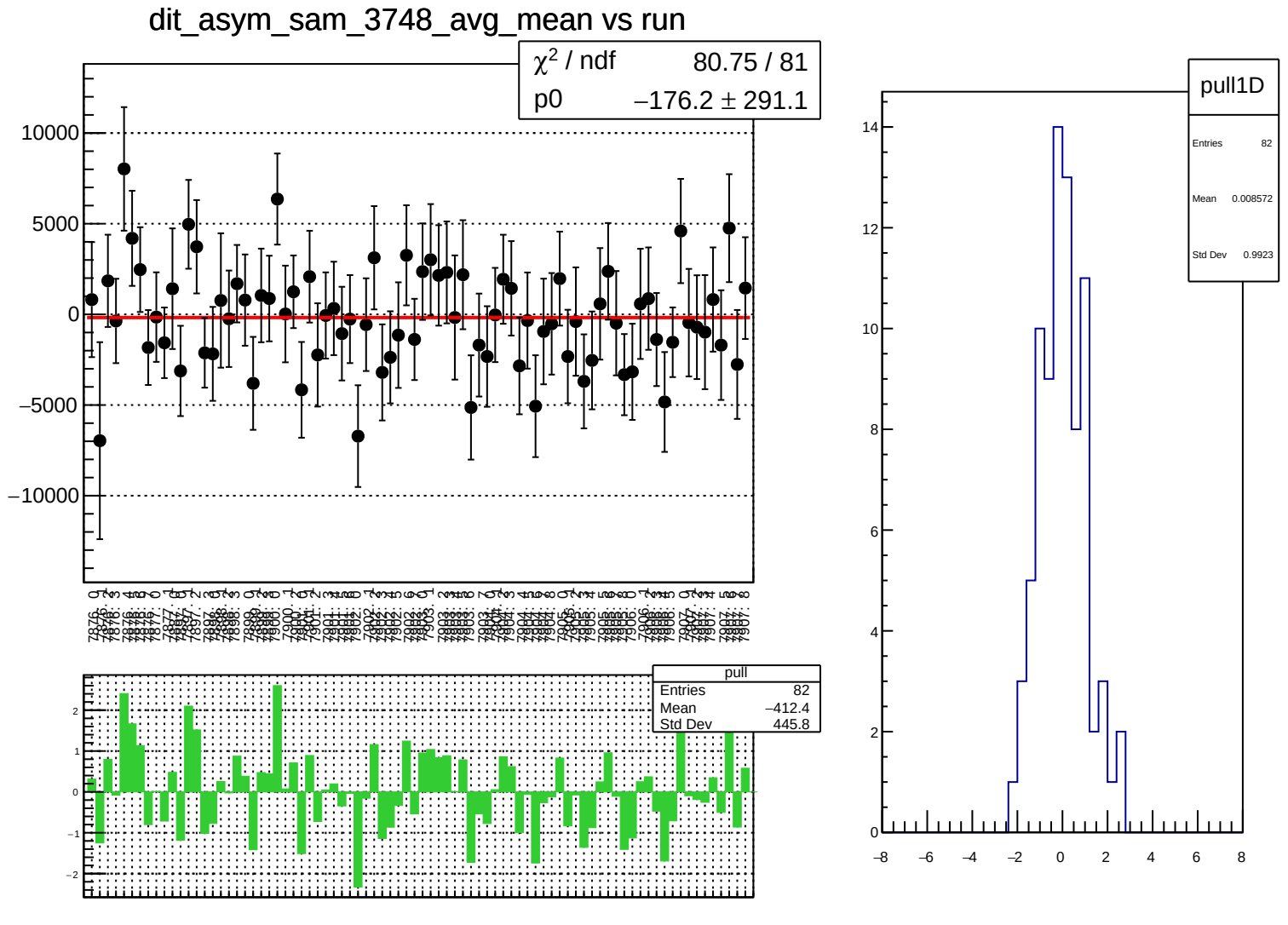

asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 81.21 / 81
p0 −2730 ± 1813
×10^3
pull
Entries 82
Mean −60.3
Std Dev 57.09


pull1D
Entries 82
Mean 0.008867
Std Dev 0.9951

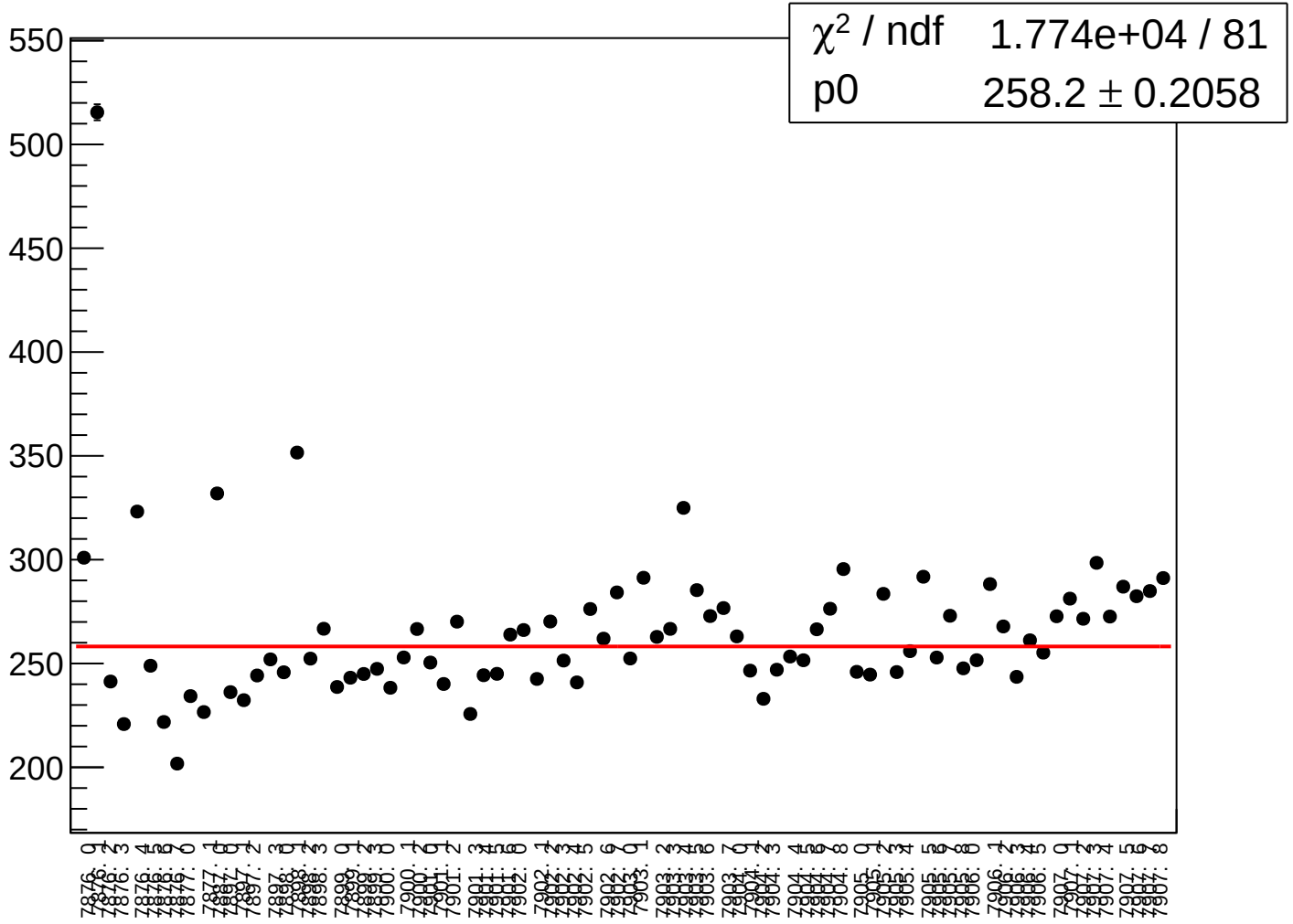

asym_sam_1548_avg_correction_rms vs run
χ2 / ndf 1.037e+04 / 81
p0 1612 ± 1.282
2100
2000
1900
1800
1700
1600
1500
1400

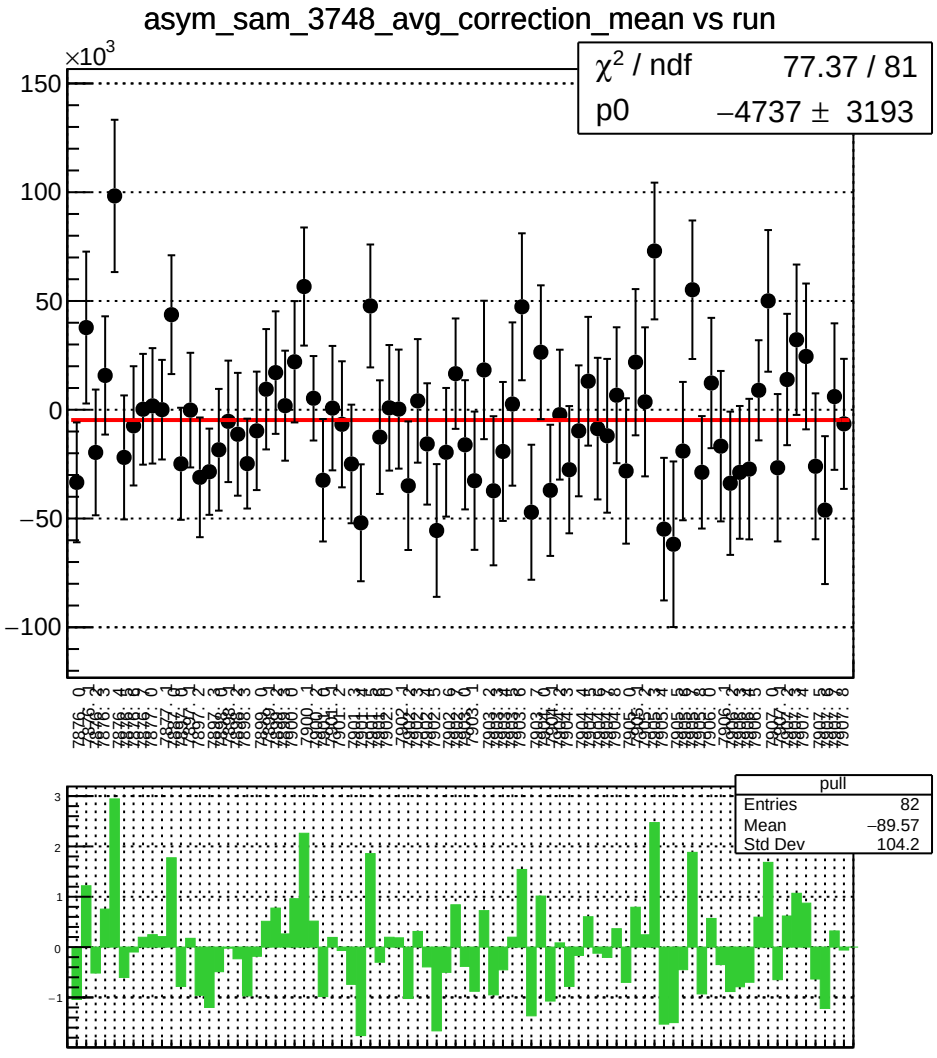

asym_sam_1548_avg_mean vs run
χ² / ndf 83.25 / 81
p0 2645 ± 1818
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −6.478
Std Dev 61.76
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.009362
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

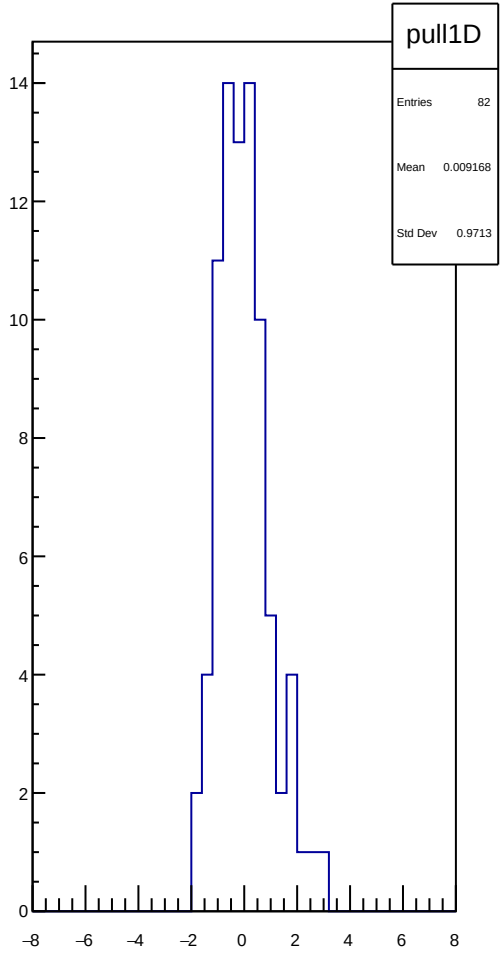

asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.118e+04 / 81
p0 1616 ± 1.285
2400
2200
2000
1800
1600
1400


dit_asym_sam_3748_avg_mean vs run
χ² / ndf 80.75 / 81
p0 −176.2 ± 291.1
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −412.4
Std Dev 445.8
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.008572
Std Dev 0.9923
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

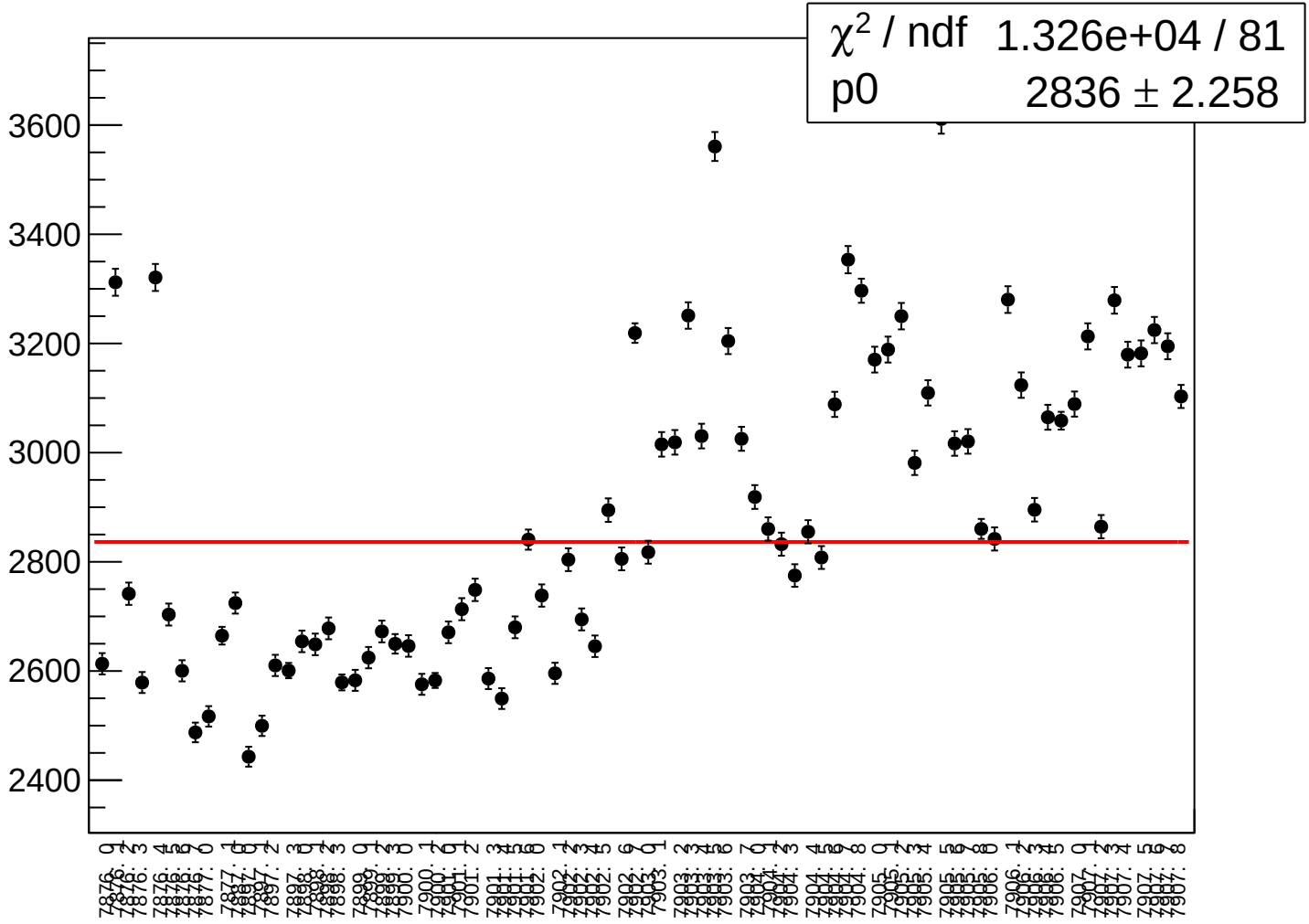
dit_asym_sam_3748_avg_rms vs run

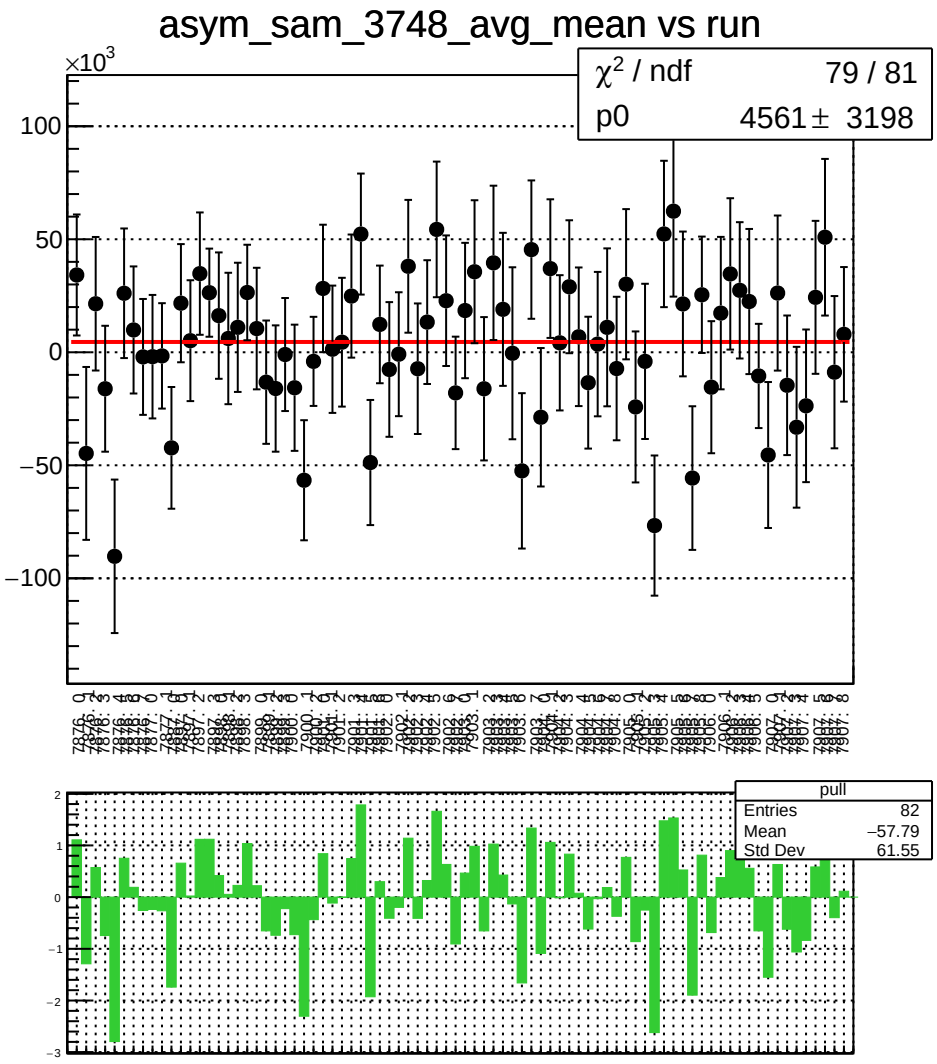


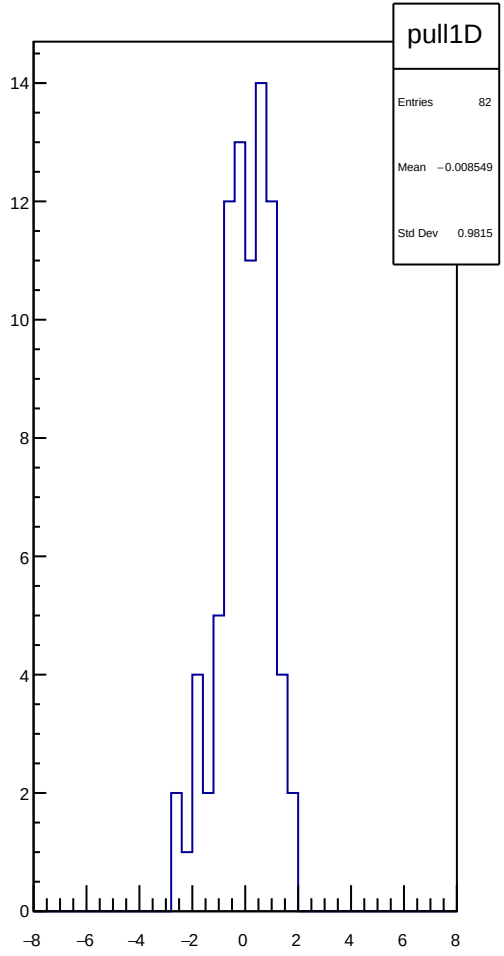

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 77.37 / 81
p0 −4737 ± 3193
150
100
50
0
−50
−100
pull
Entries 82
Mean −89.57
Std Dev 104.2
3
2
1
0
−1

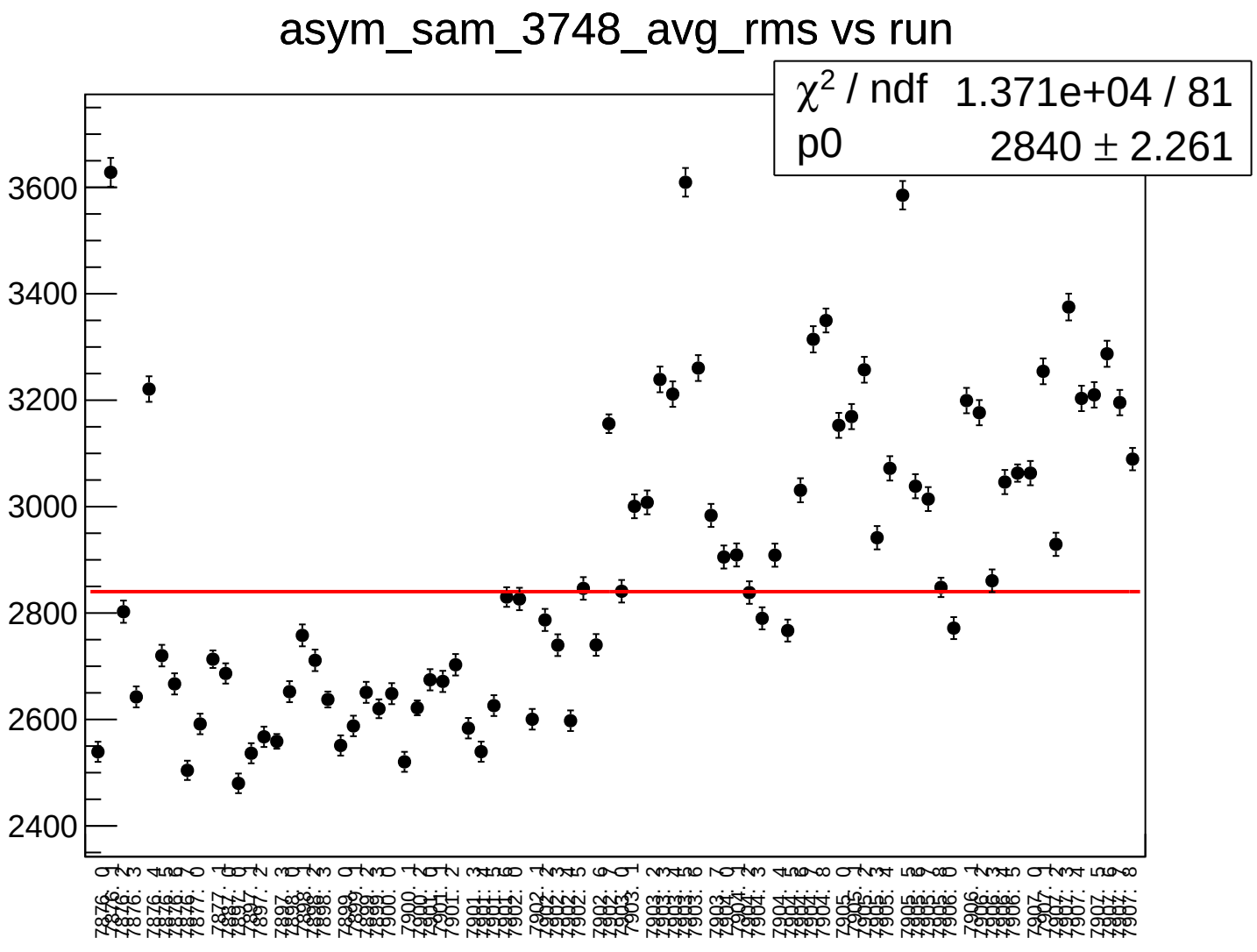

pull1D
Entries 82
Mean 0.009168
Std Dev 0.9713
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

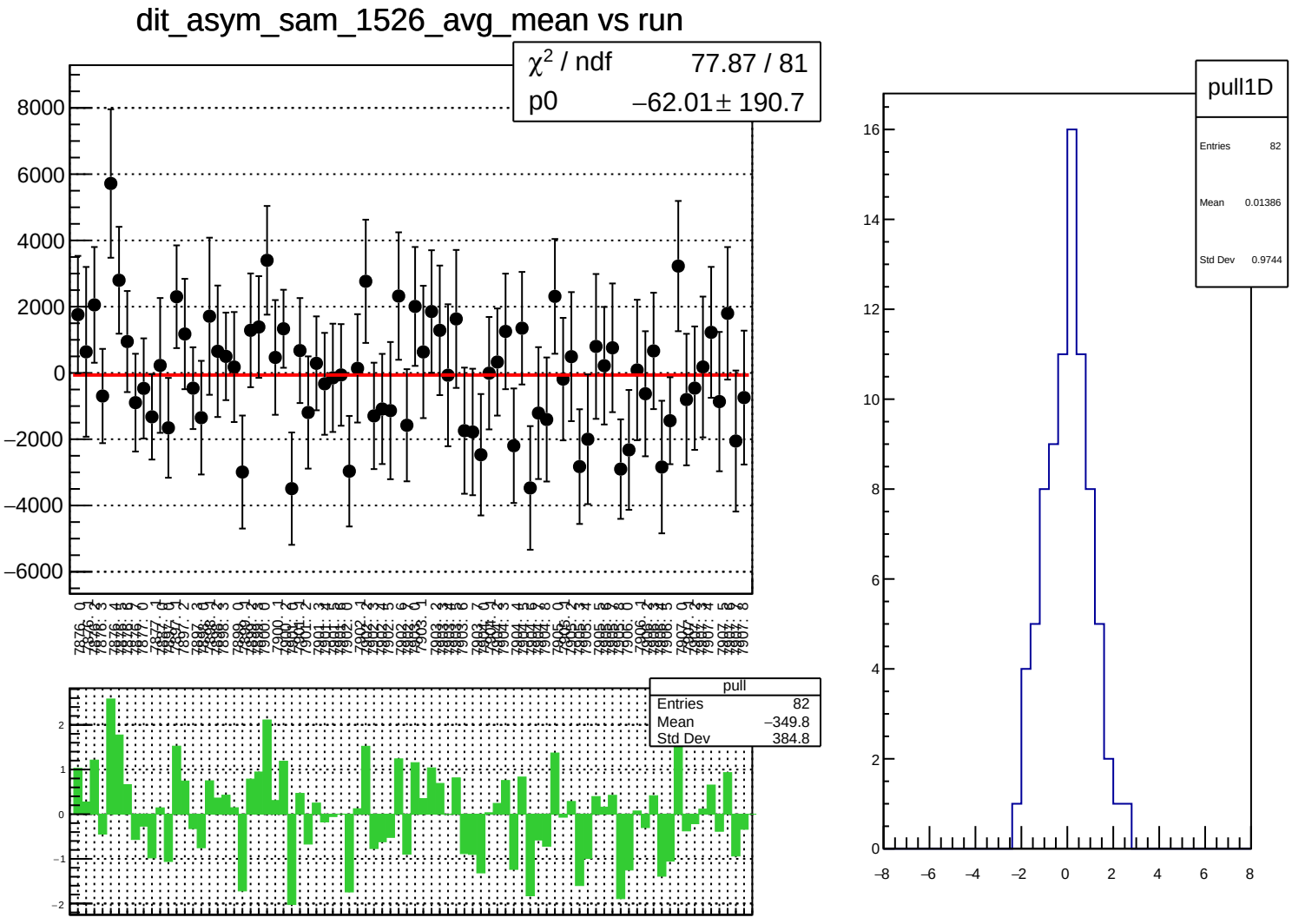
asym_sam_3748_avg_correction_rms vs run



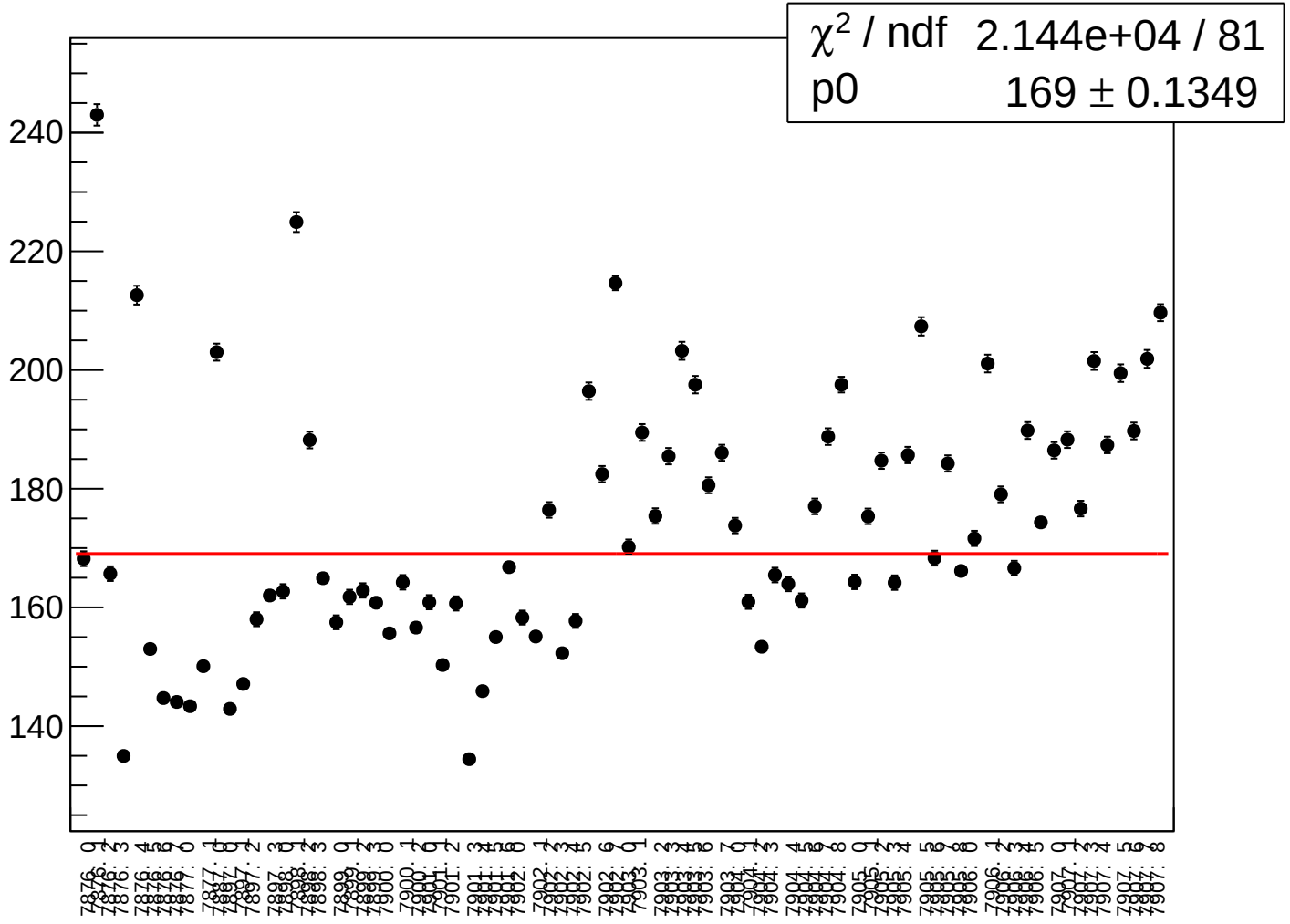

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 79 / 81
p0 4561 ± 3198
pull
Entries 82
Mean −57.79
Std Dev 61.55

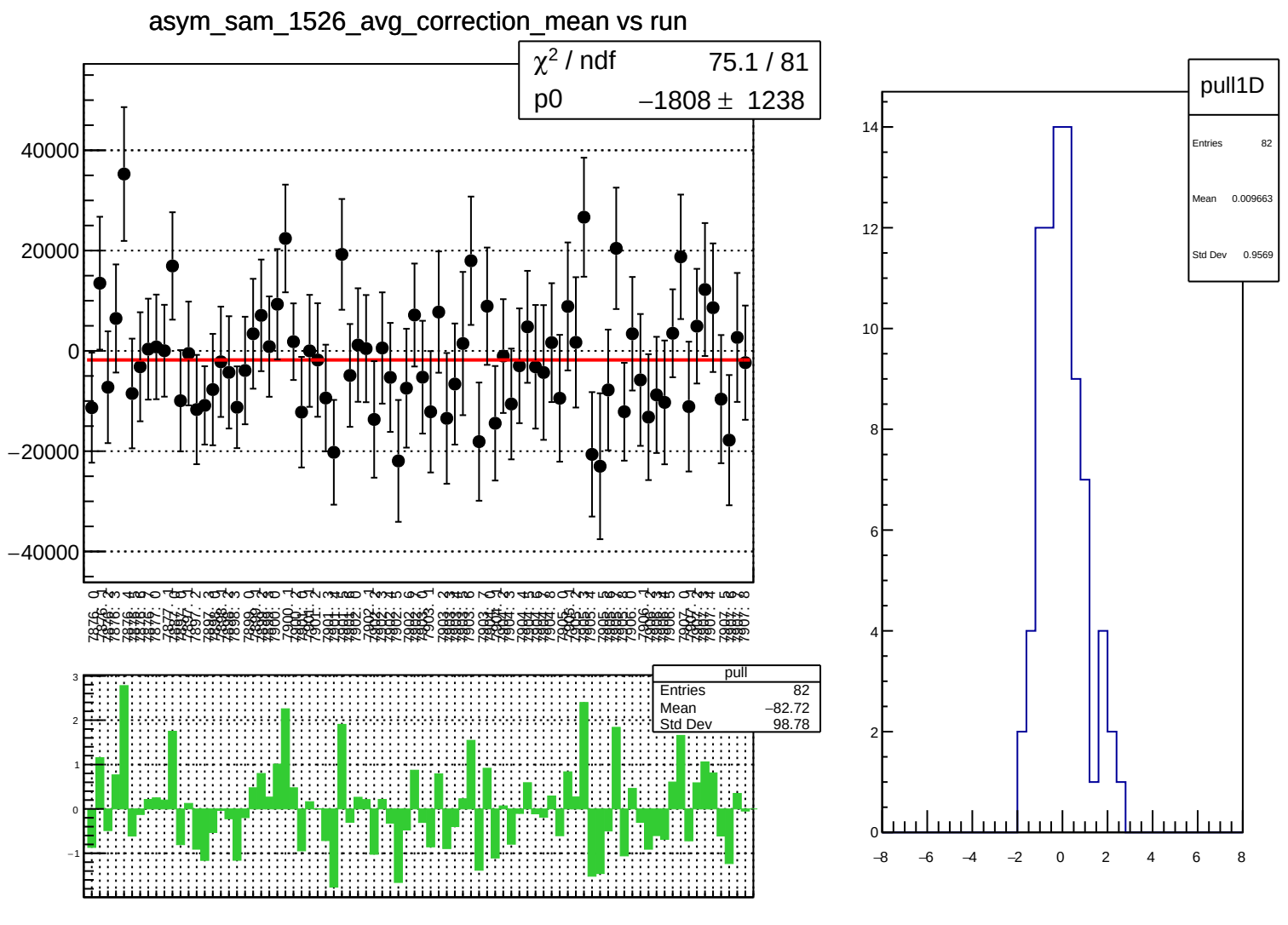

pull1D
Entries 82
Mean −0.008549
Std Dev 0.9815


asym_sam_3748_avg_rms vs run
χ² / ndf 1.371e+04 / 81
p0 2840 ± 2.261
3600
3400
3200
3000
2800
2600
2400

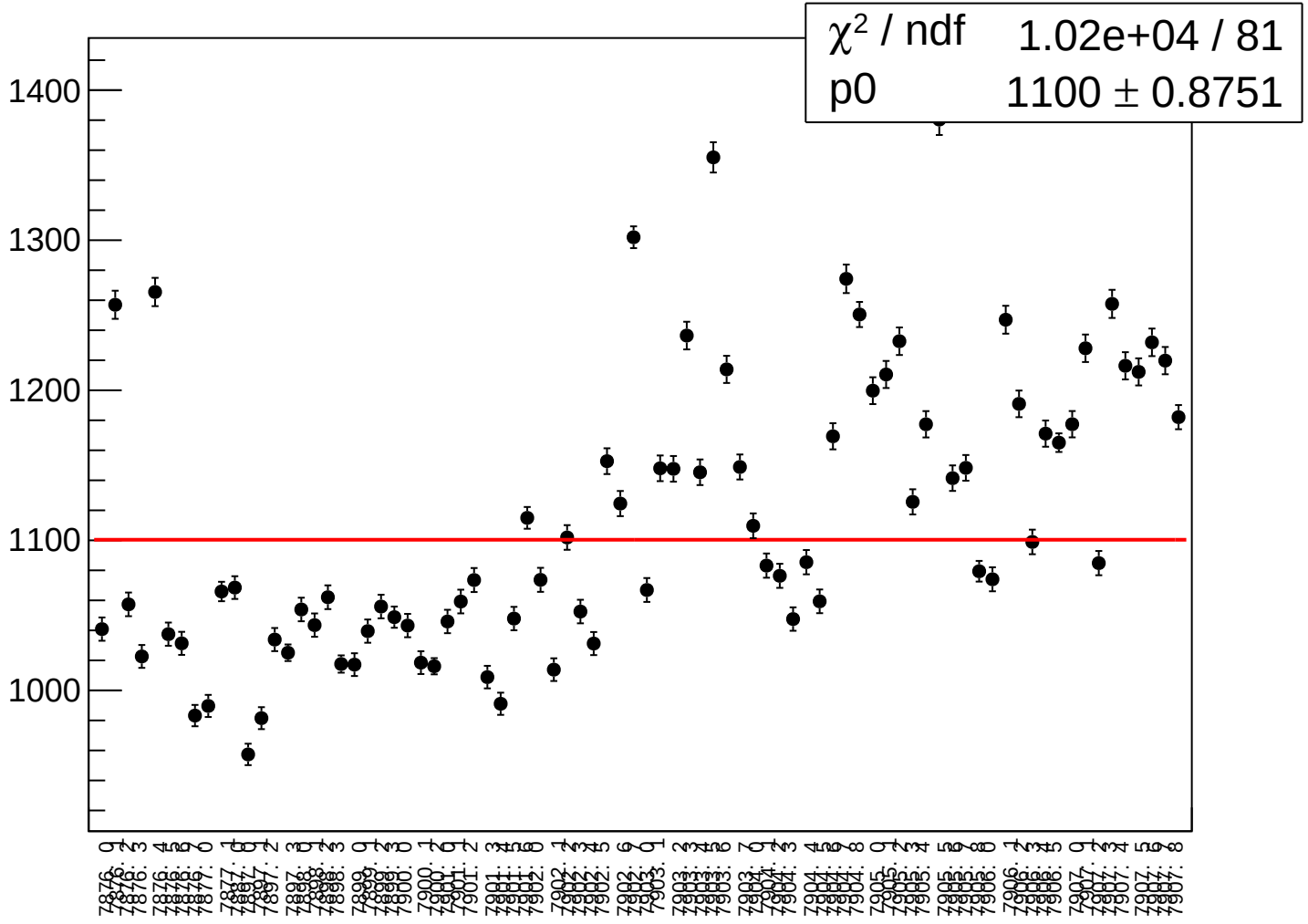

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 77.87 / 81
p0 −62.01 ± 190.7
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −349.8
Std Dev 384.8
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01386
Std Dev 0.9744
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

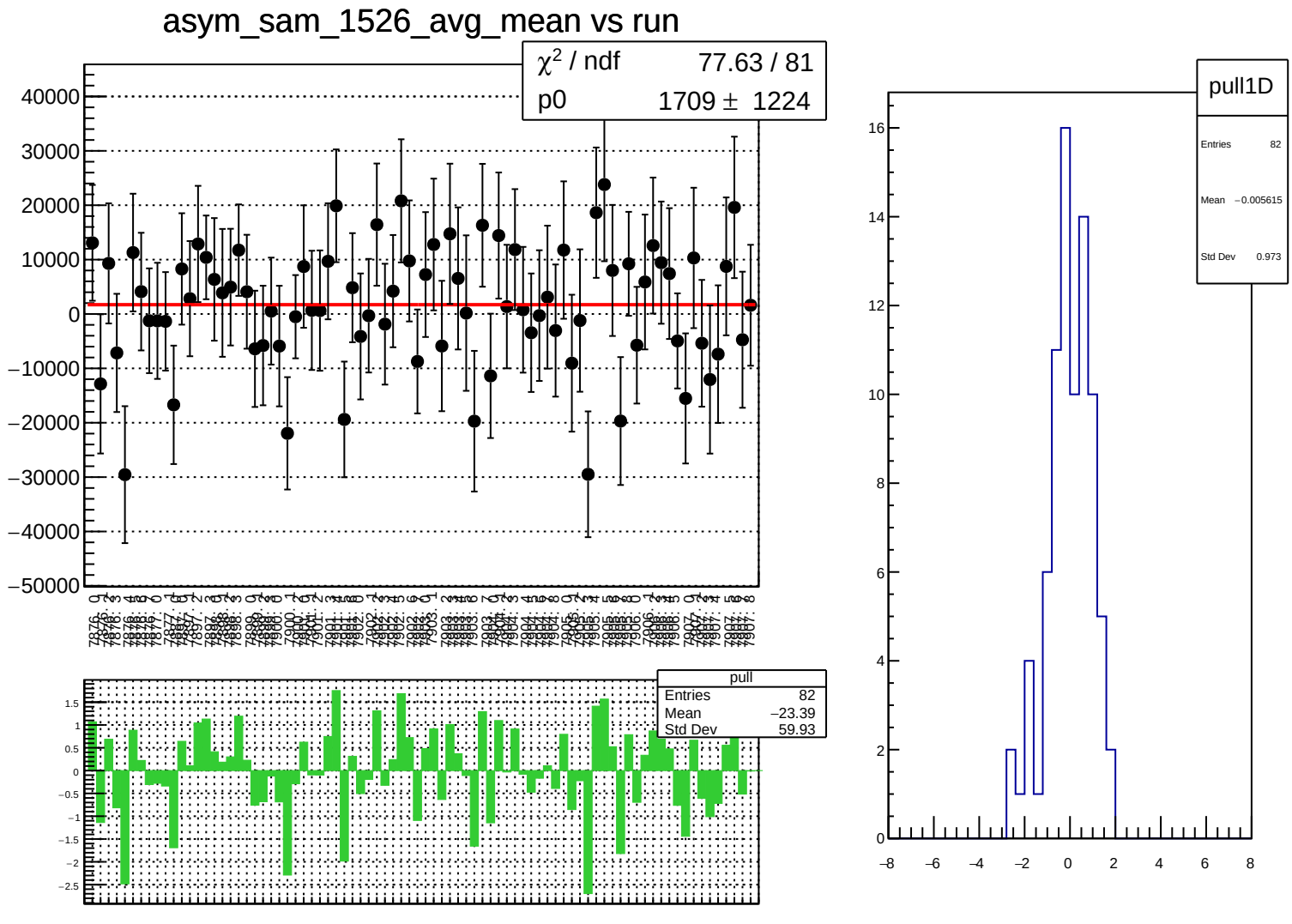
dit_asym_sam_1526_avg_rms vs run



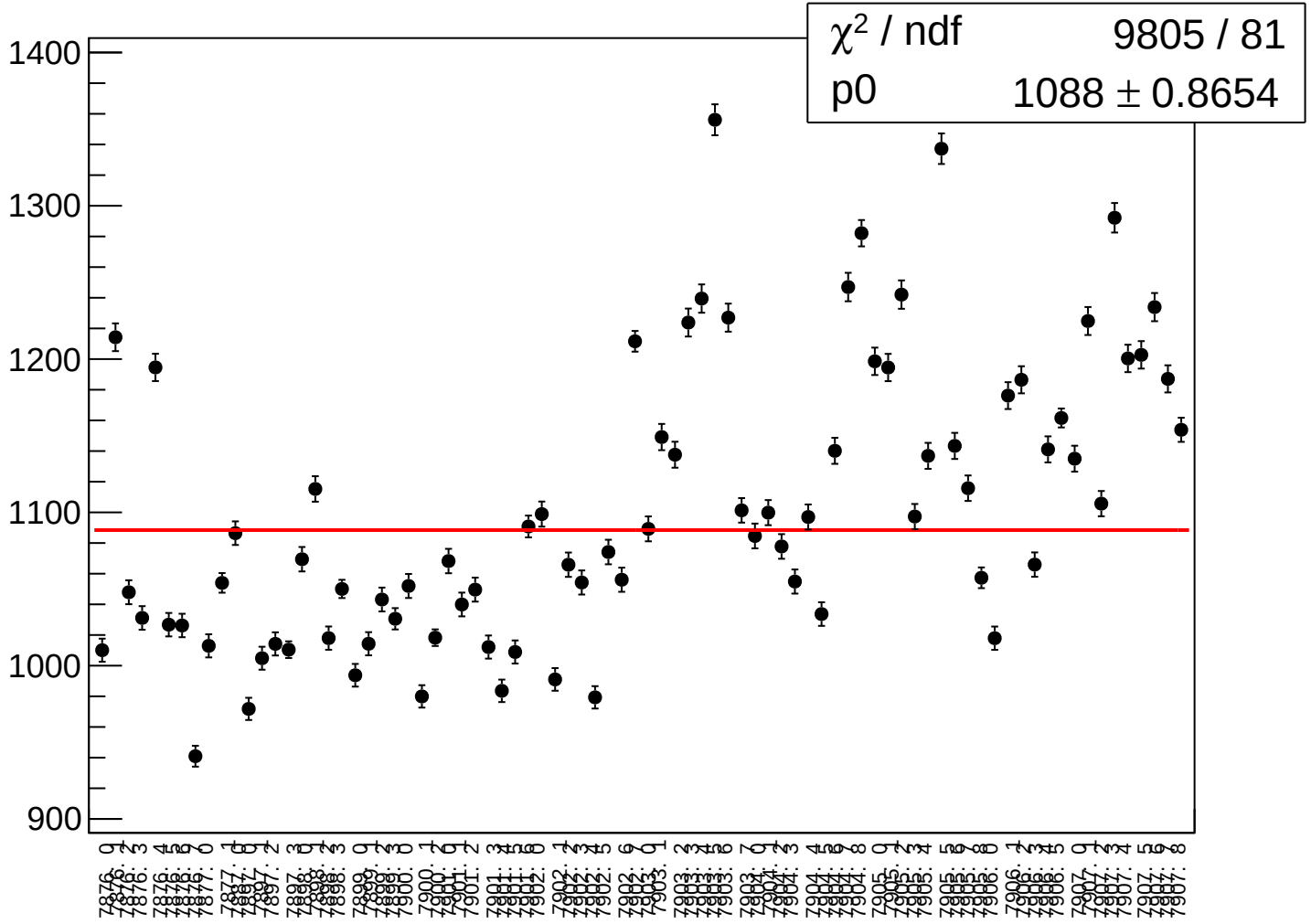

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 75.1 / 81
p0 −1808 ± 1238
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −82.72
Std Dev 98.78
3
2
1
0
−1
pull1D
Entries 82
Mean 0.009663
Std Dev 0.9569
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

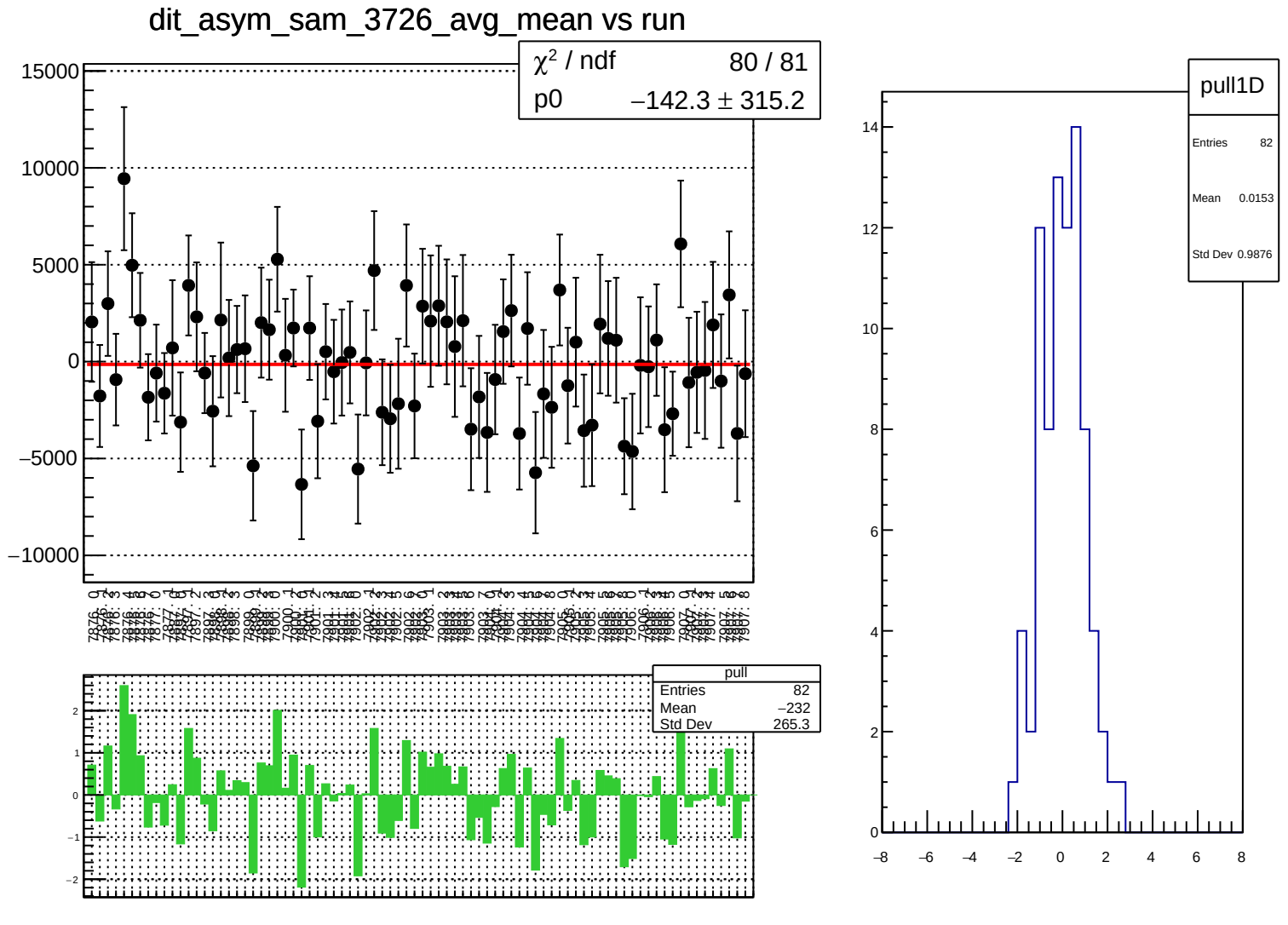
asym_sam_1526_avg_correction_rms vs run



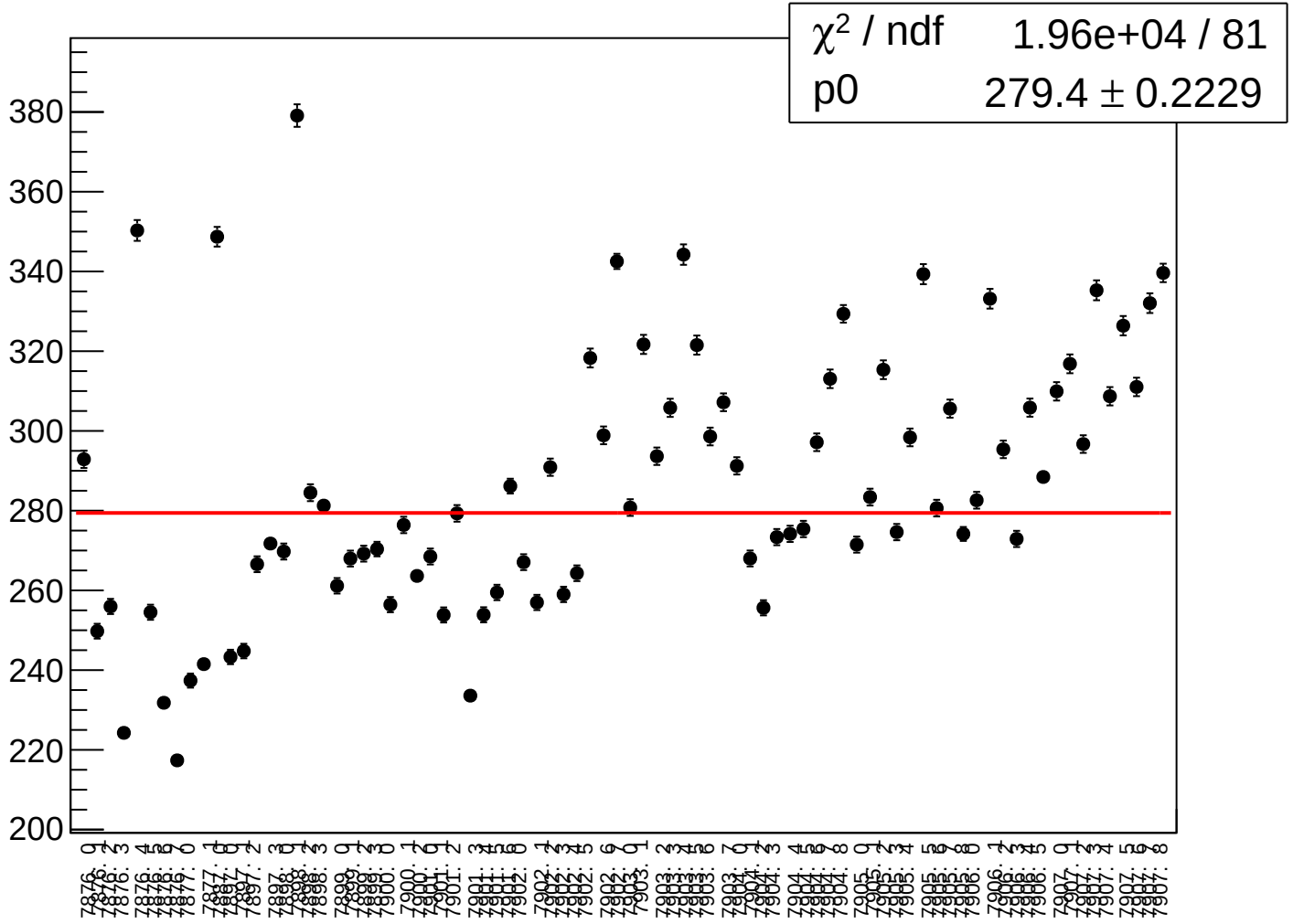

asym_sam_1526_avg_mean vs run
χ² / ndf 77.63 / 81
p0 1709 ± 1224
pull
Entries 82
Mean −23.39
Std Dev 59.93
pull1D
Entries 82
Mean −0.005615
Std Dev 0.973

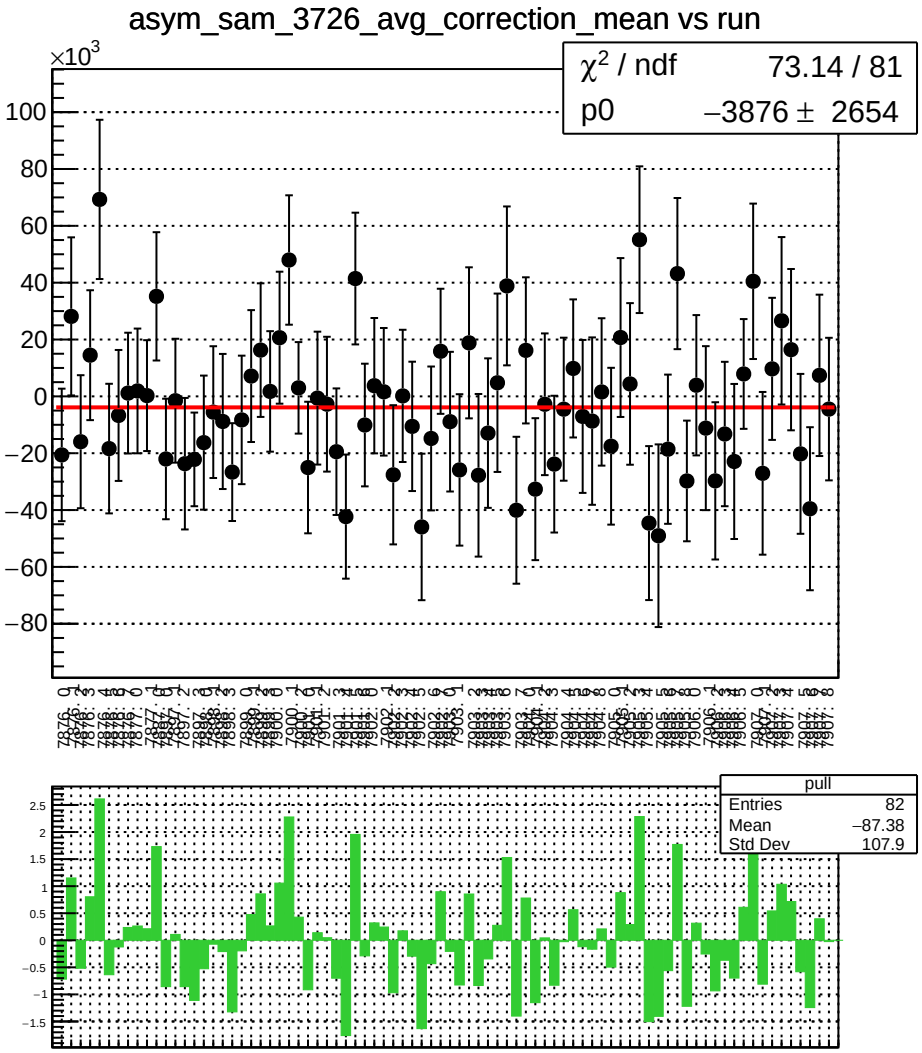
asym_sam_1526_avg_rms vs run

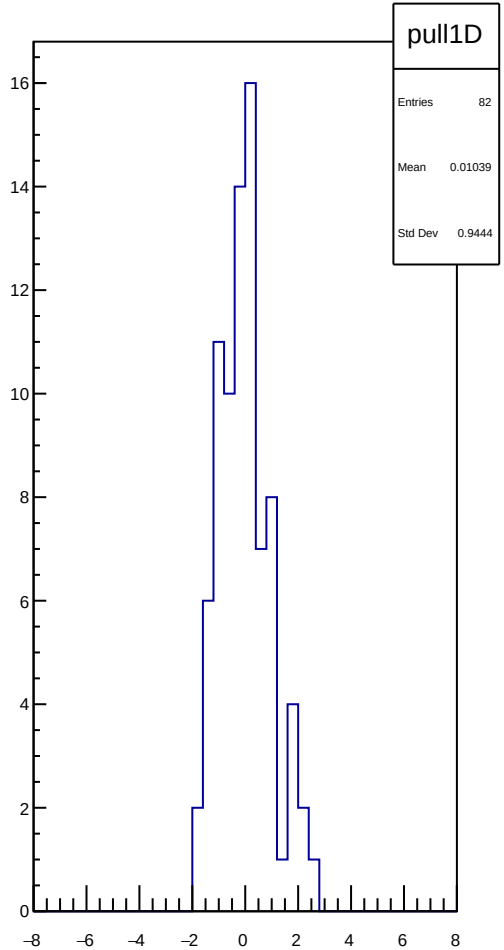



dit_asym_sam_3726_avg_mean vs run
χ² / ndf 80 / 81
p0 −142.3 ± 315.2
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −232
Std Dev 265.3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0153
Std Dev 0.9876
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

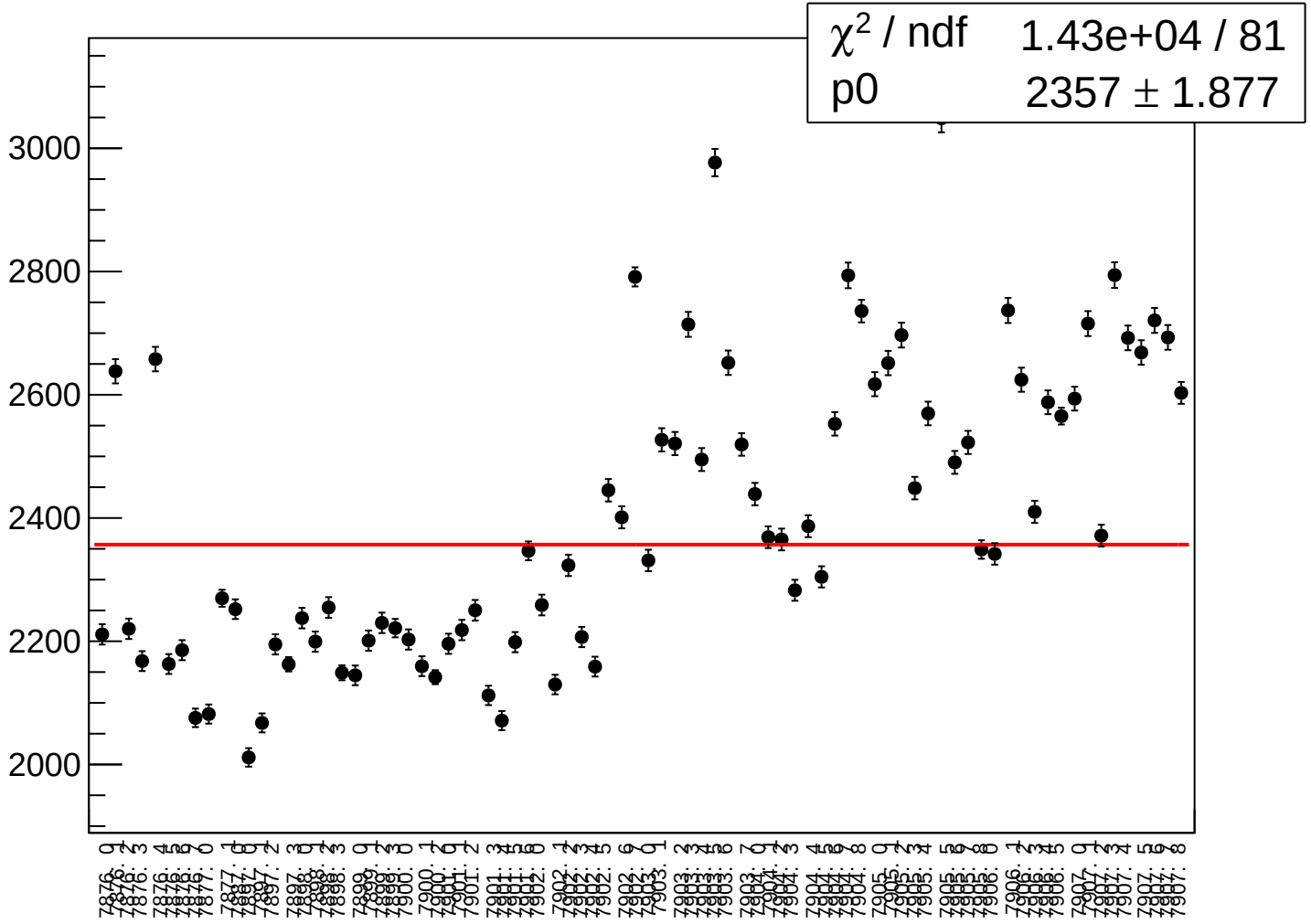
dit_asym_sam_3726_avg_rms vs run

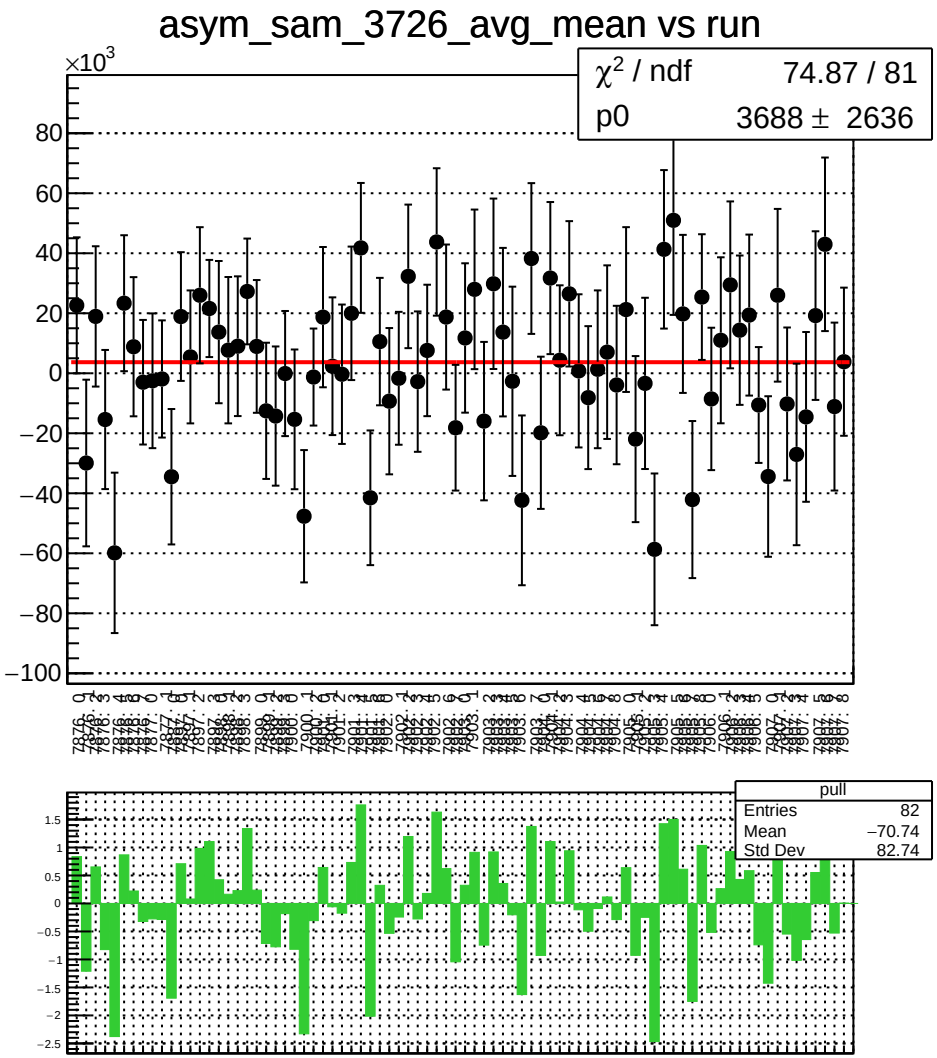


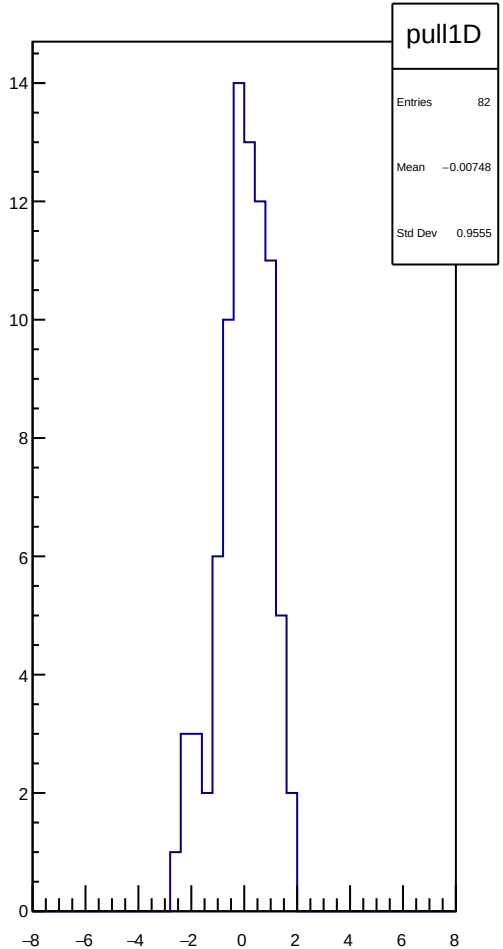

asym_sam_3726_avg_correction_mean vs run
×10^3
χ² / ndf 73.14 / 81
p0 −3876 ± 2654
pull
Entries 82
Mean −87.38
Std Dev 107.9


pull1D
Entries 82
Mean 0.01039
Std Dev 0.9444

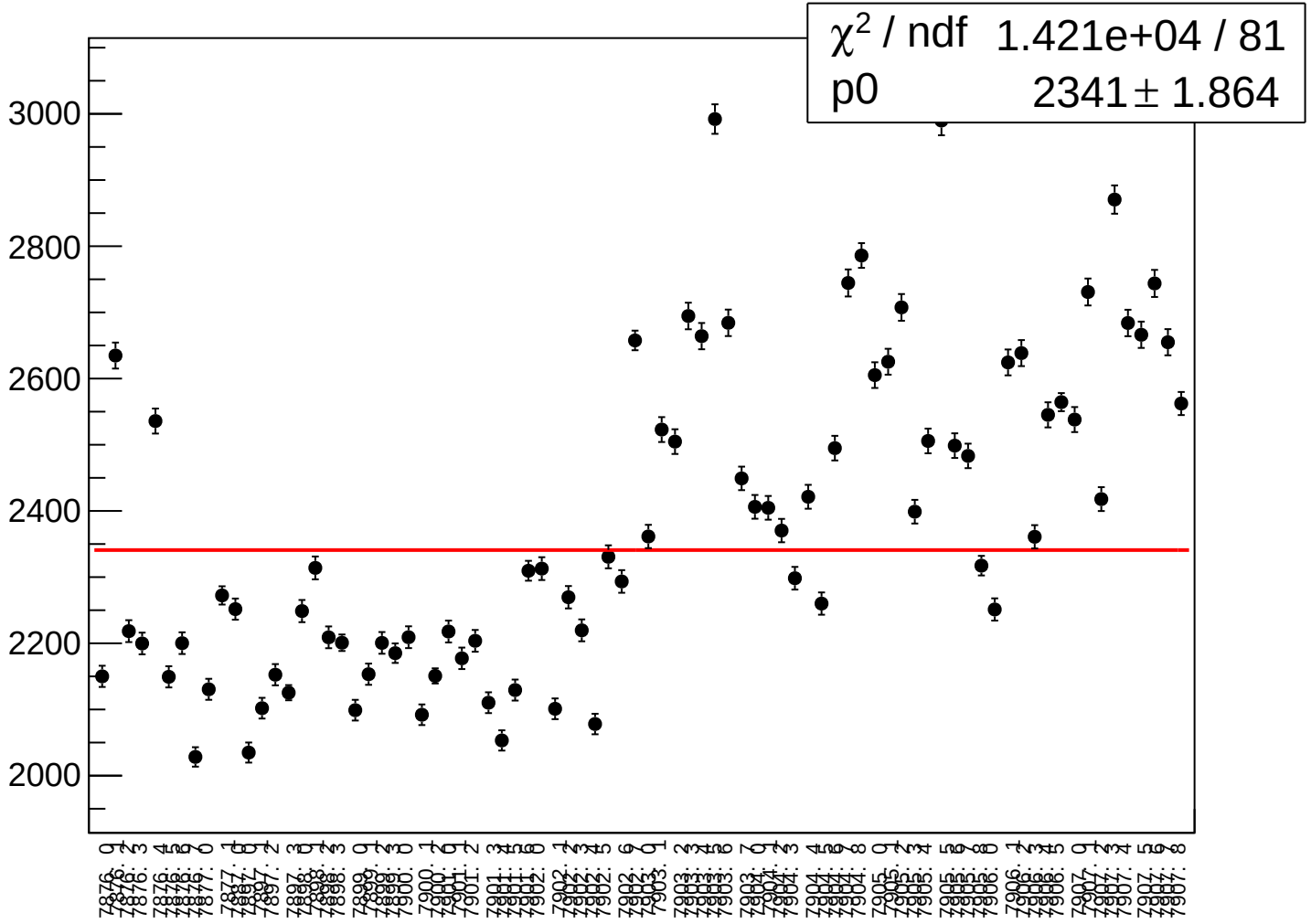
asym_sam_3726_avg_correction_rms vs run

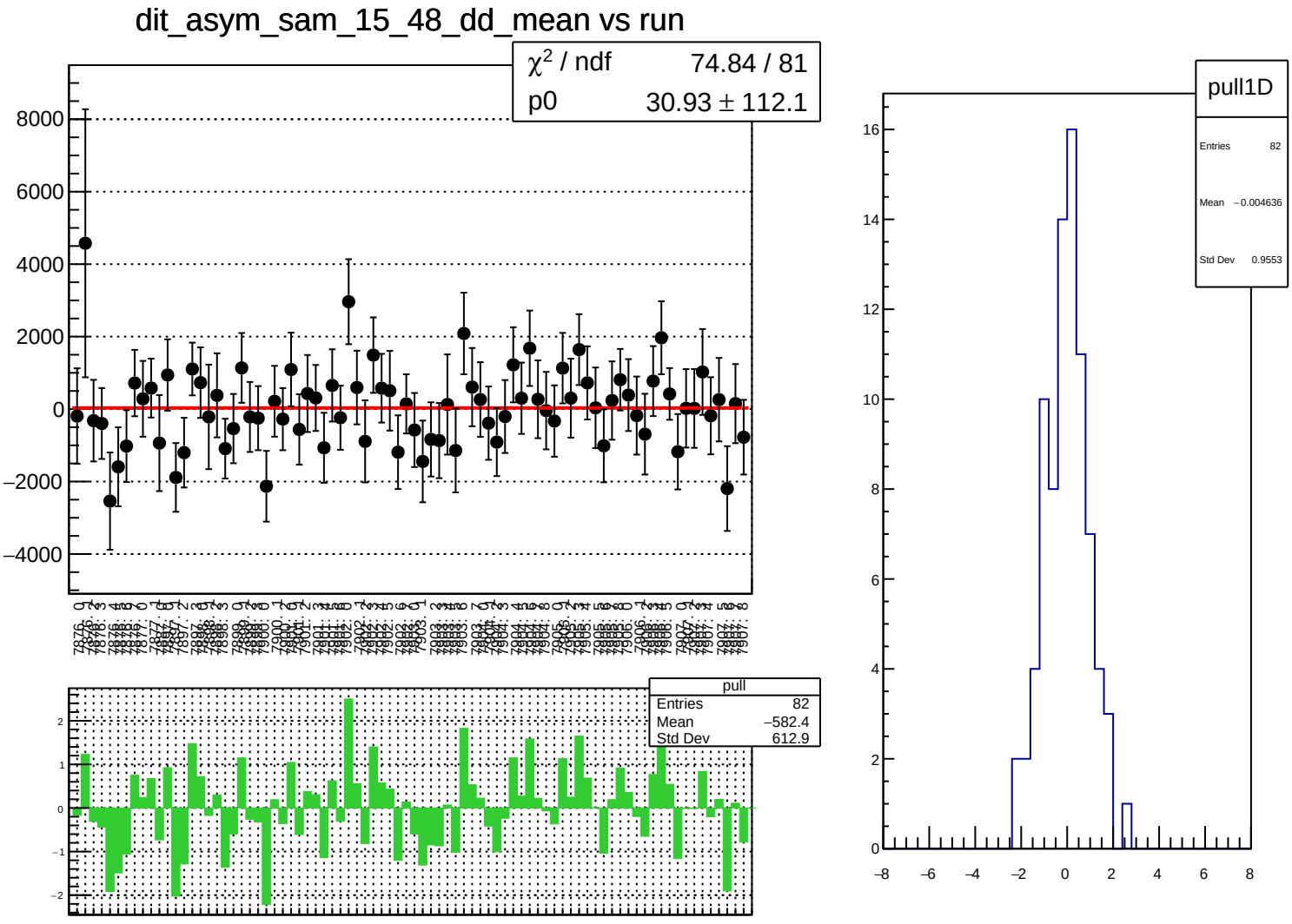



asym_sam_3726_avg_mean vs run
×10^3
χ^2 / ndf 74.87 / 81
p0 3688 ± 2636
pull
Entries 82
Mean −70.74
Std Dev 82.74

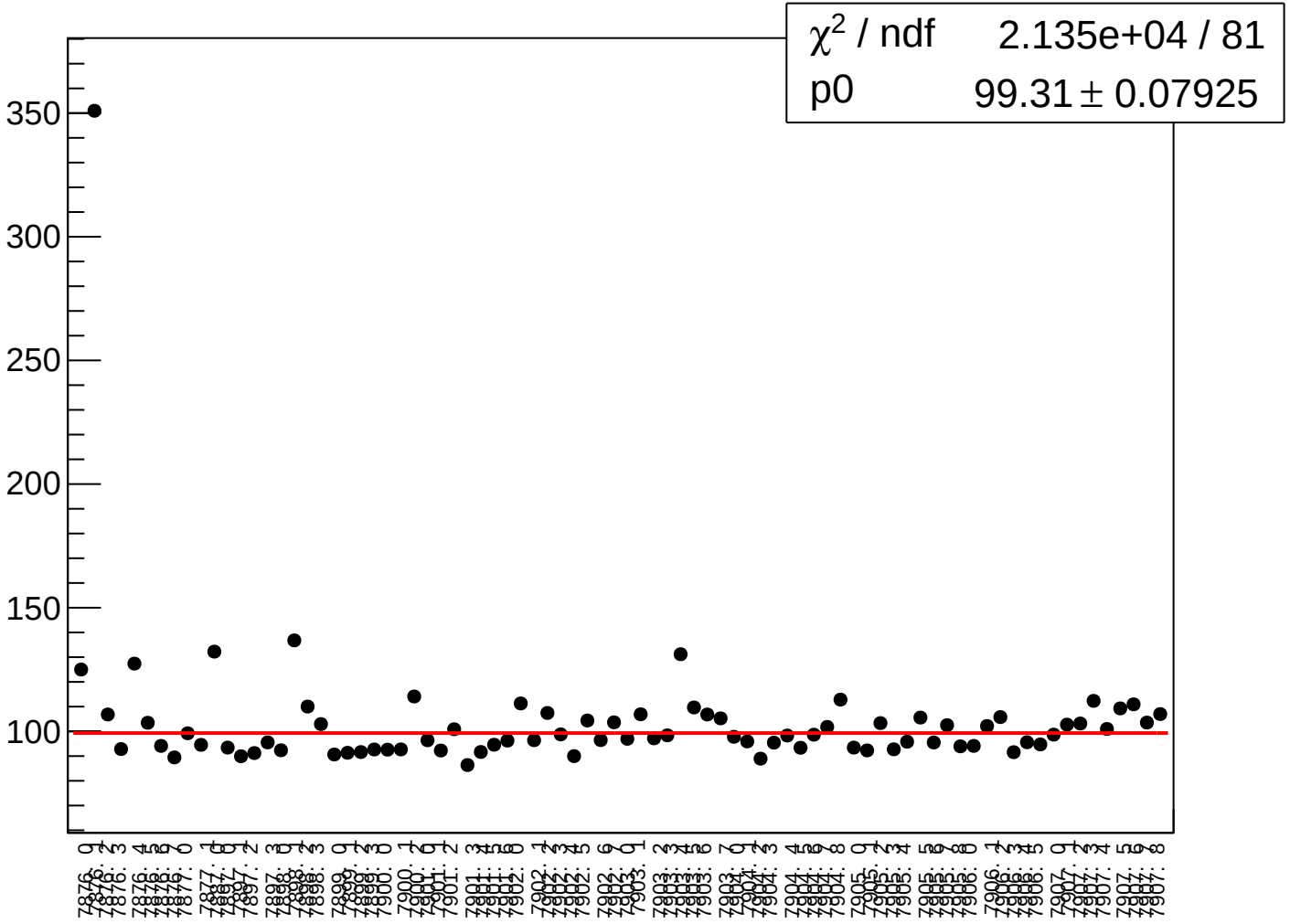

pull1D
Entries 82
Mean −0.00748
Std Dev 0.9555

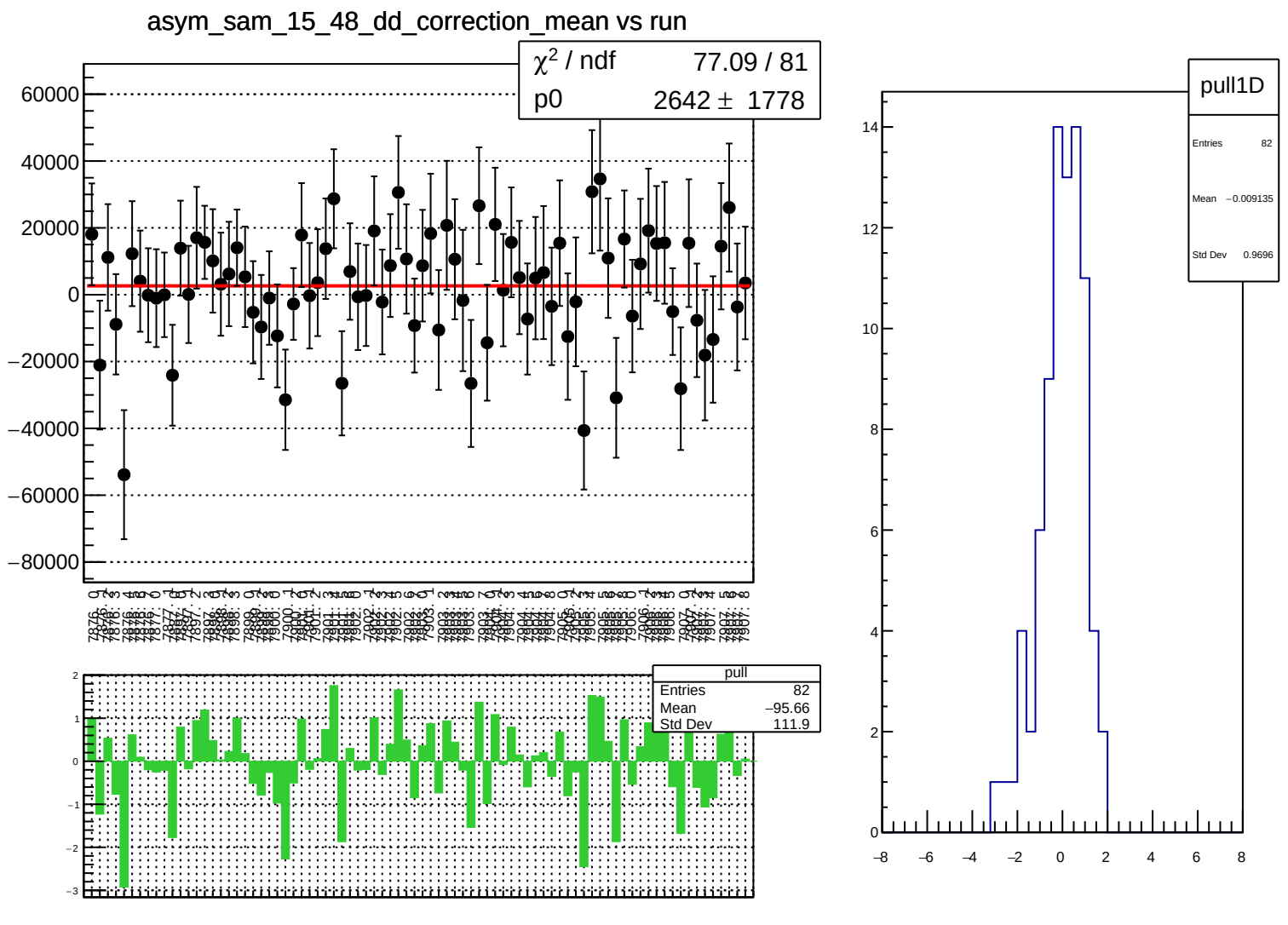
asym_sam_3726_avg_rms vs run



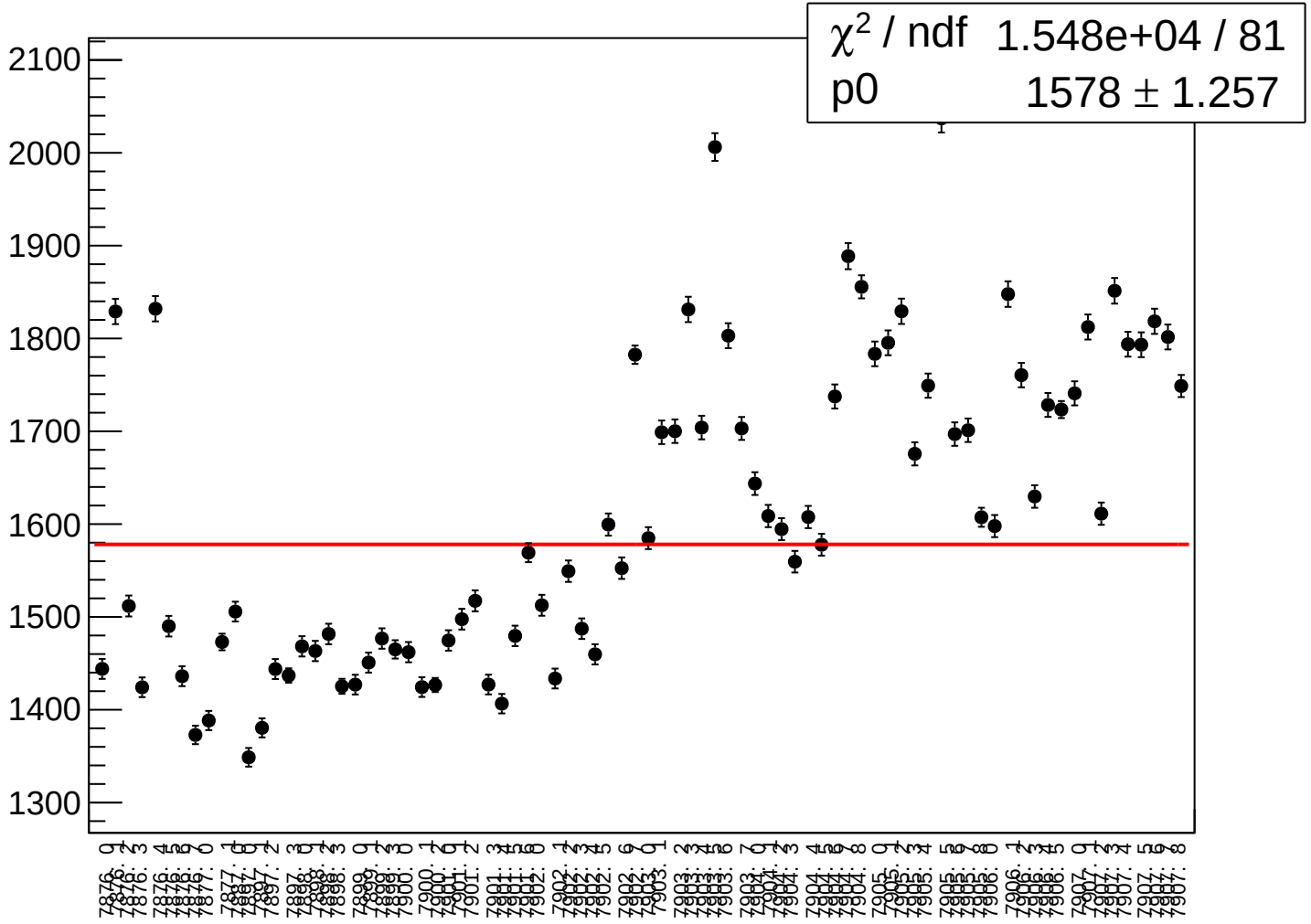

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 74.84 / 81
p0 30.93 ± 112.1
pull
Entries 82
Mean −582.4
Std Dev 612.9
pull1D
Entries 82
Mean −0.004636
Std Dev 0.9553

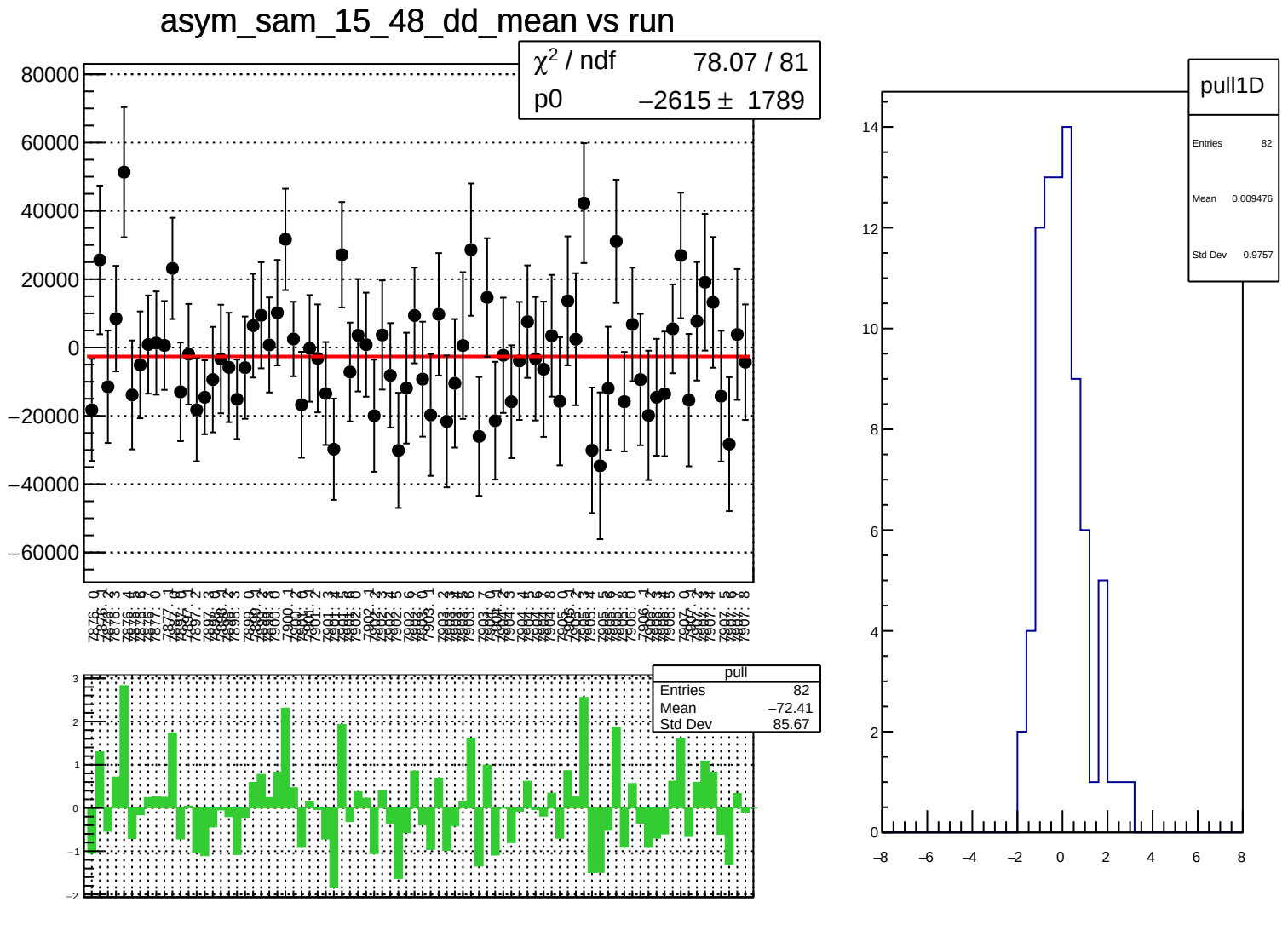
dit_asym_sam_15_48_dd_rms vs run



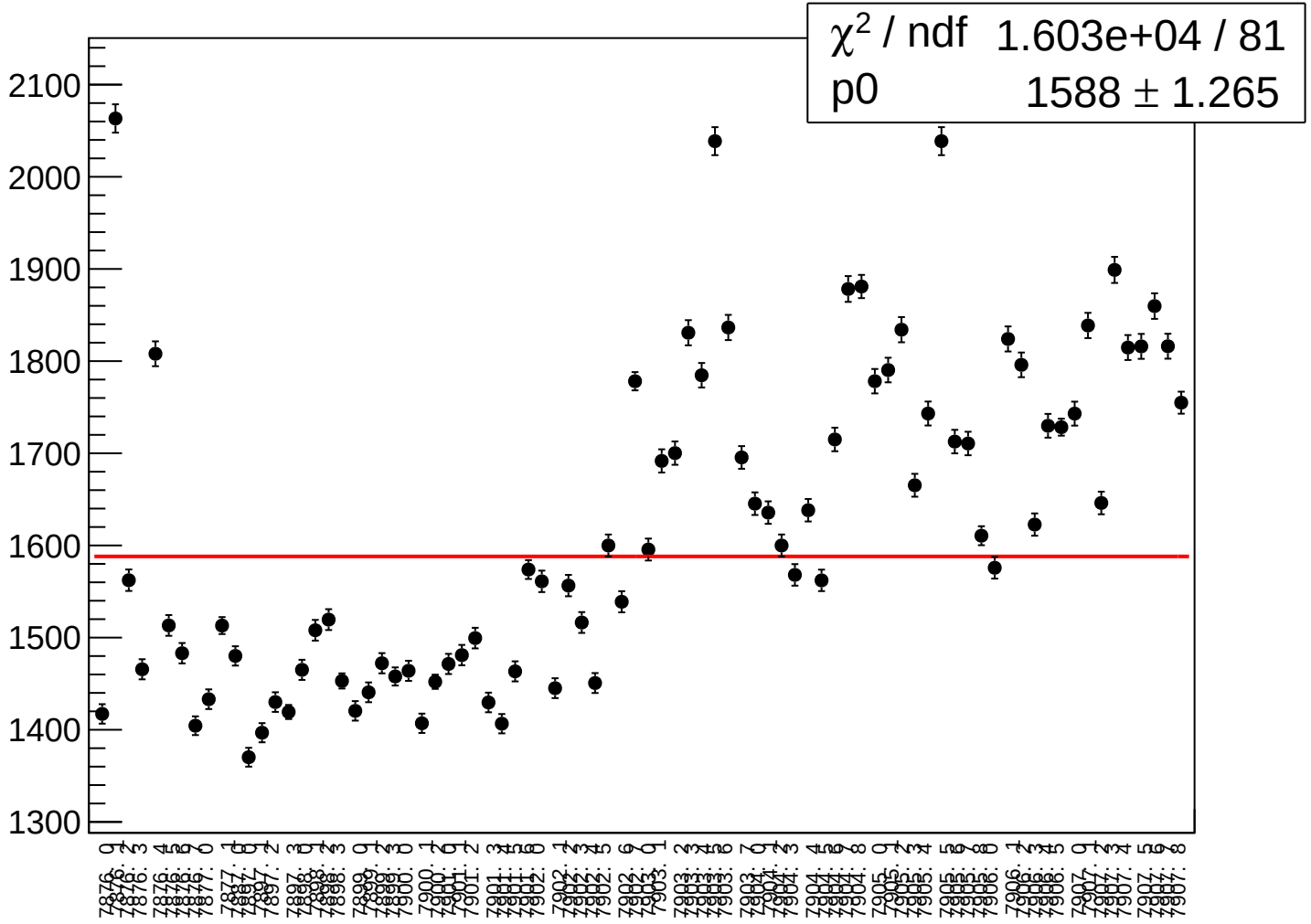

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 77.09 / 81
p0 2642 ± 1778
pull
Entries 82
Mean −95.66
Std Dev 111.9
pull1D
Entries 82
Mean −0.009135
Std Dev 0.9696

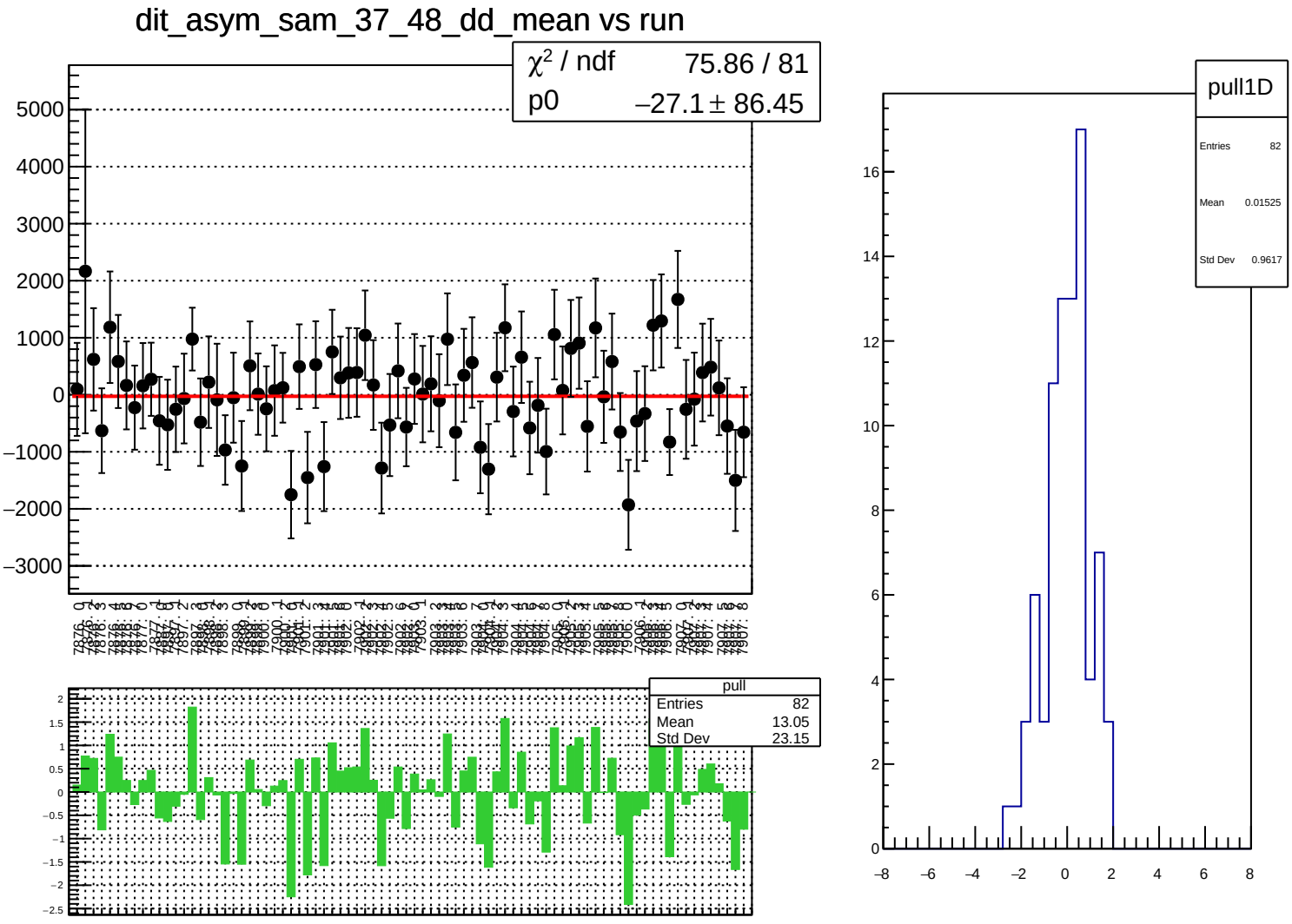
asym_sam_15_48_dd_correction_rms vs run



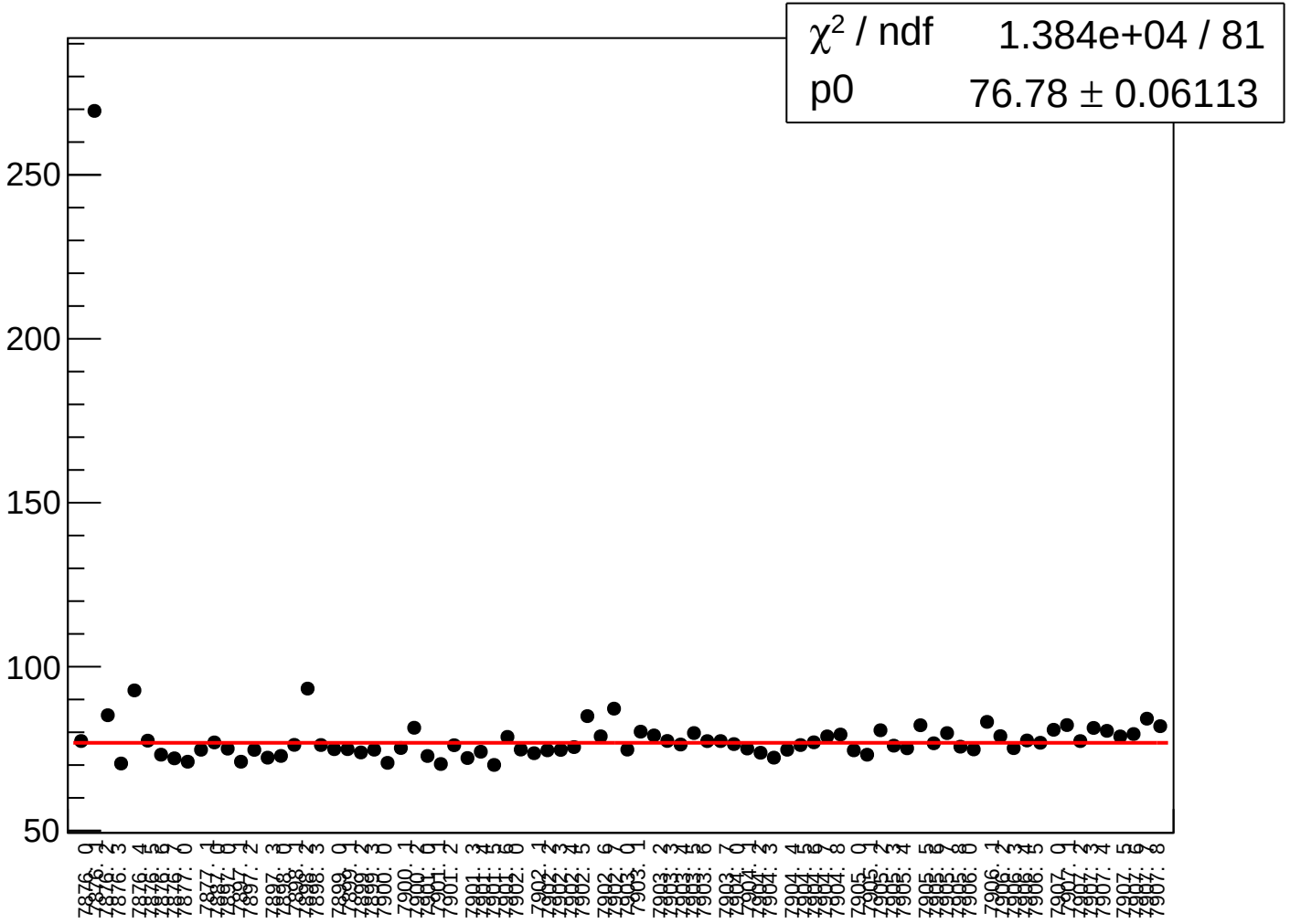

asym_sam_15_48_dd_mean vs run
χ² / ndf 78.07 / 81
p0 −2615 ± 1789
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −72.41
Std Dev 85.67
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.009476
Std Dev 0.9757
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

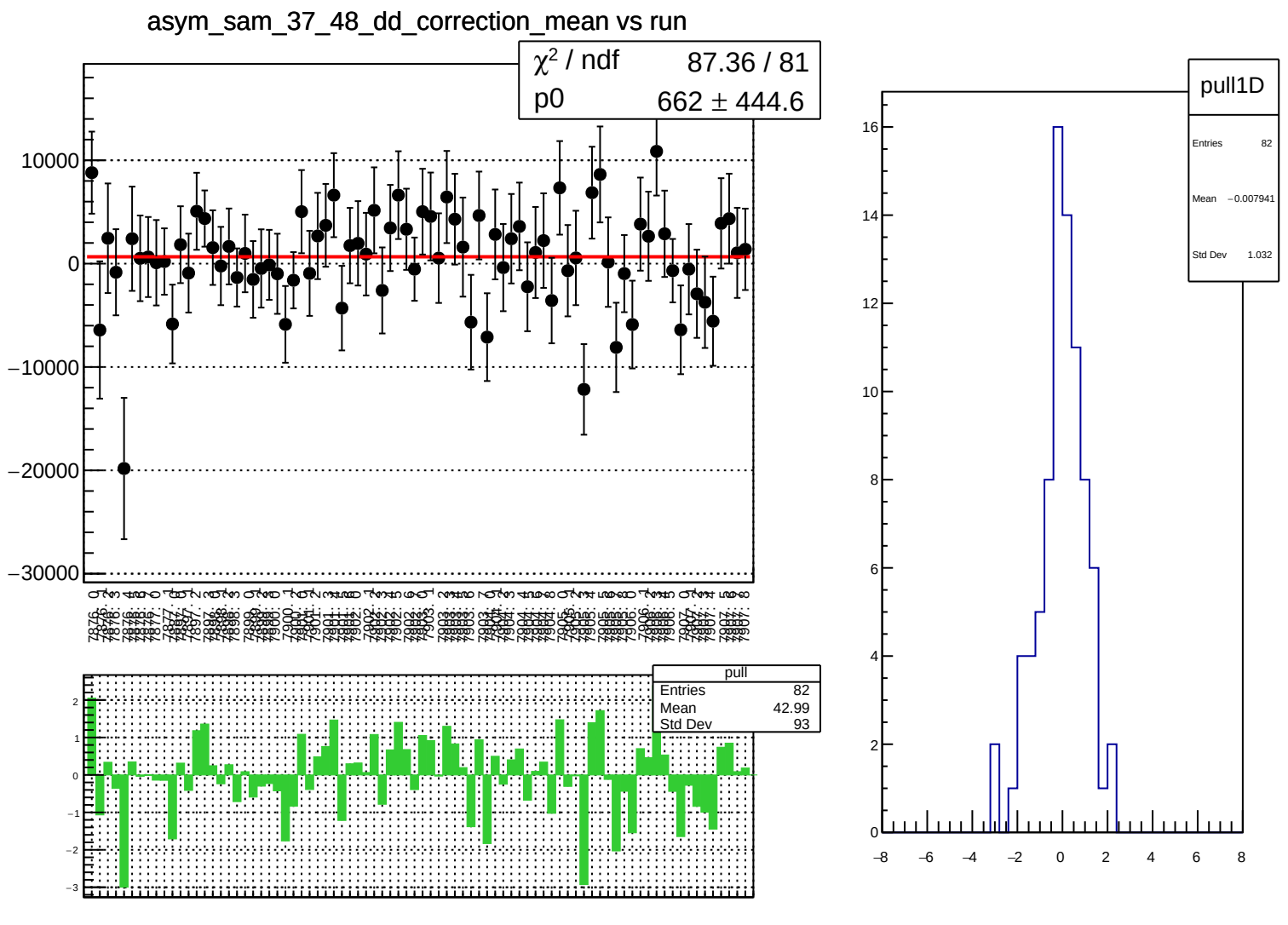
asym_sam_15_48_dd_rms vs run



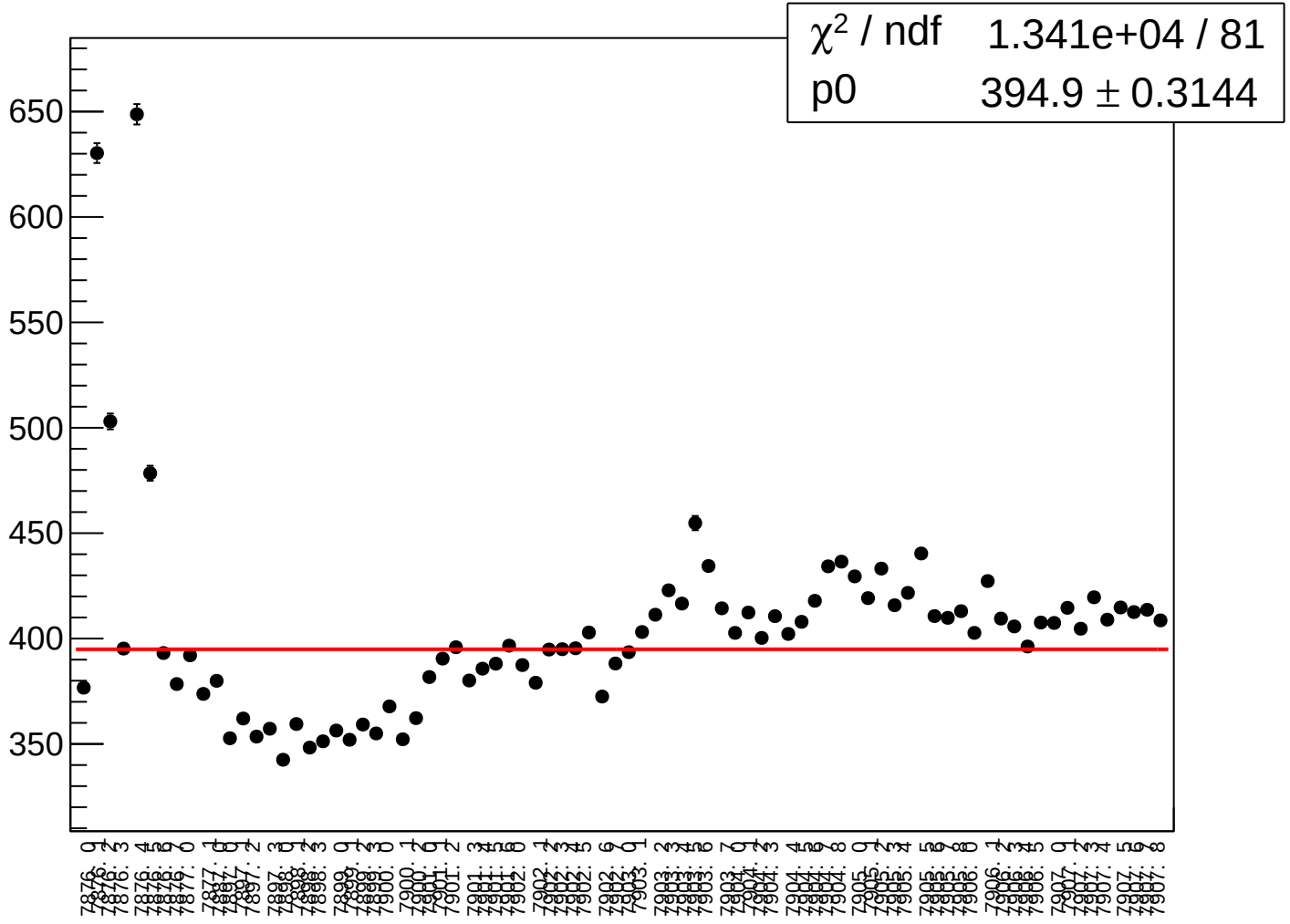

dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 75.86 / 81
p0 −27.1 ± 86.45
pull
Entries 82
Mean 13.05
Std Dev 23.15
pull1D
Entries 82
Mean 0.01525
Std Dev 0.9617

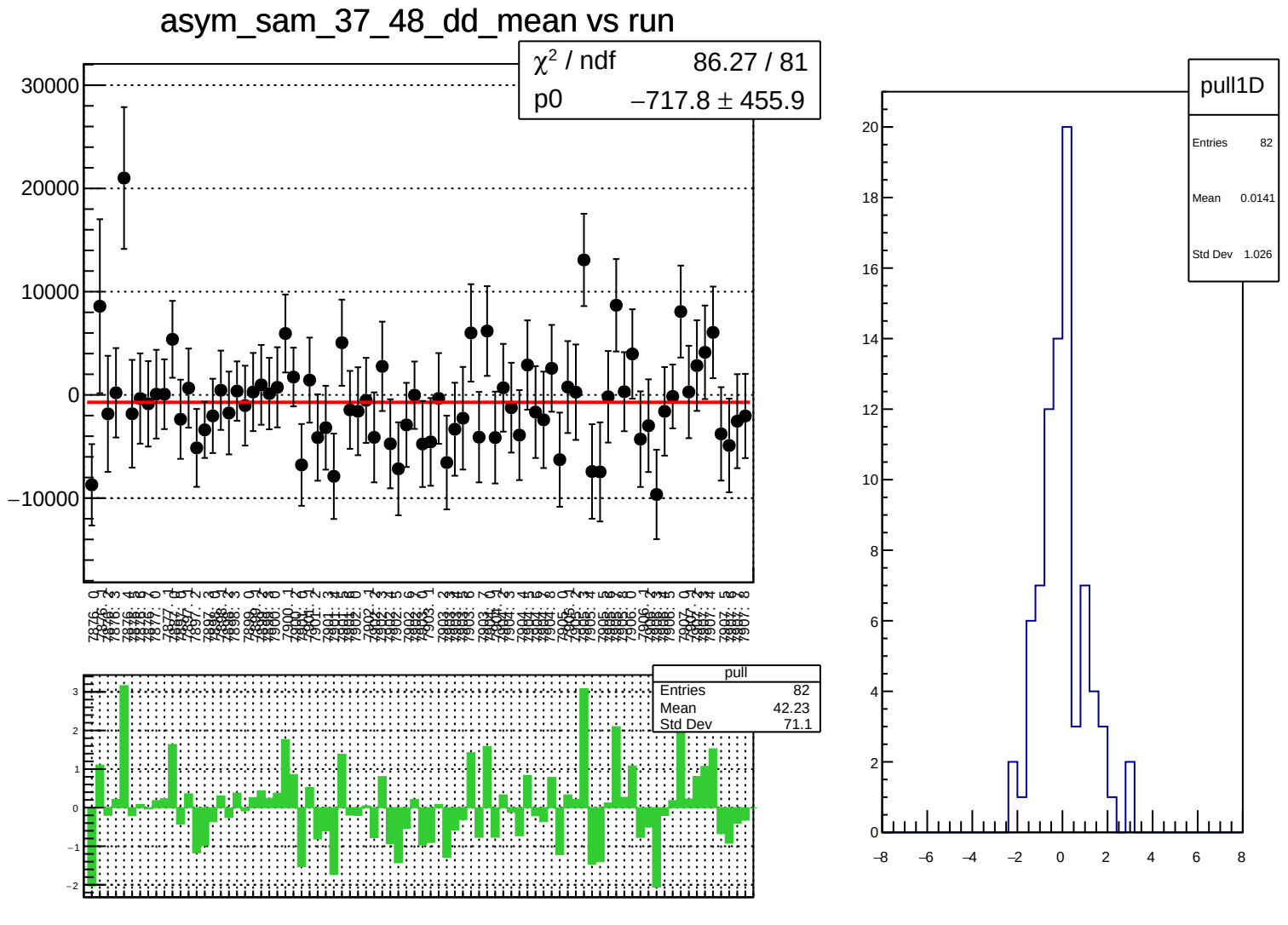
dit_asym_sam_37_48_dd_rms vs run



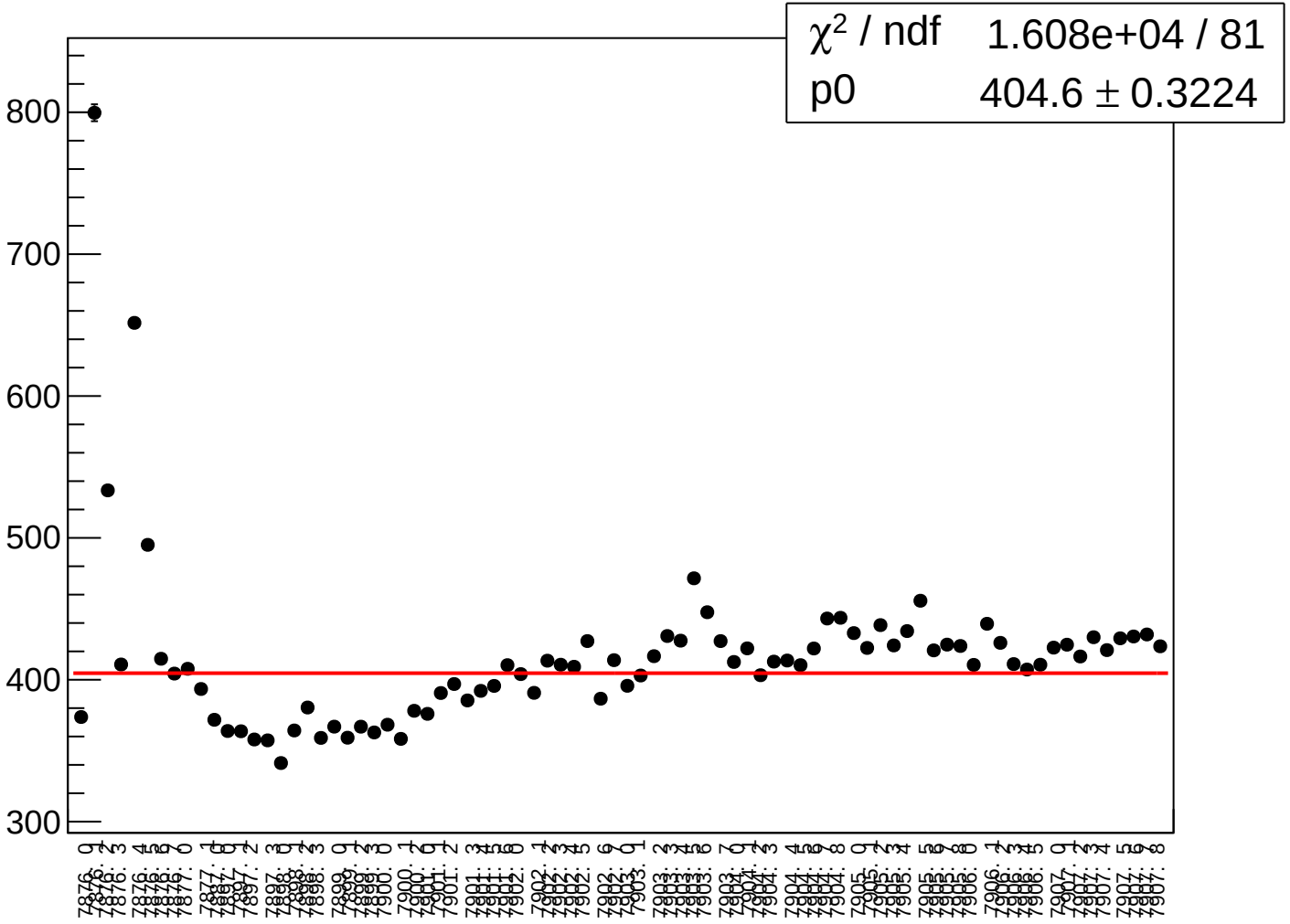

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 87.36 / 81
p0 662 ± 444.6
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 42.99
Std Dev 93
pull1D
Entries 82
Mean −0.007941
Std Dev 1.032

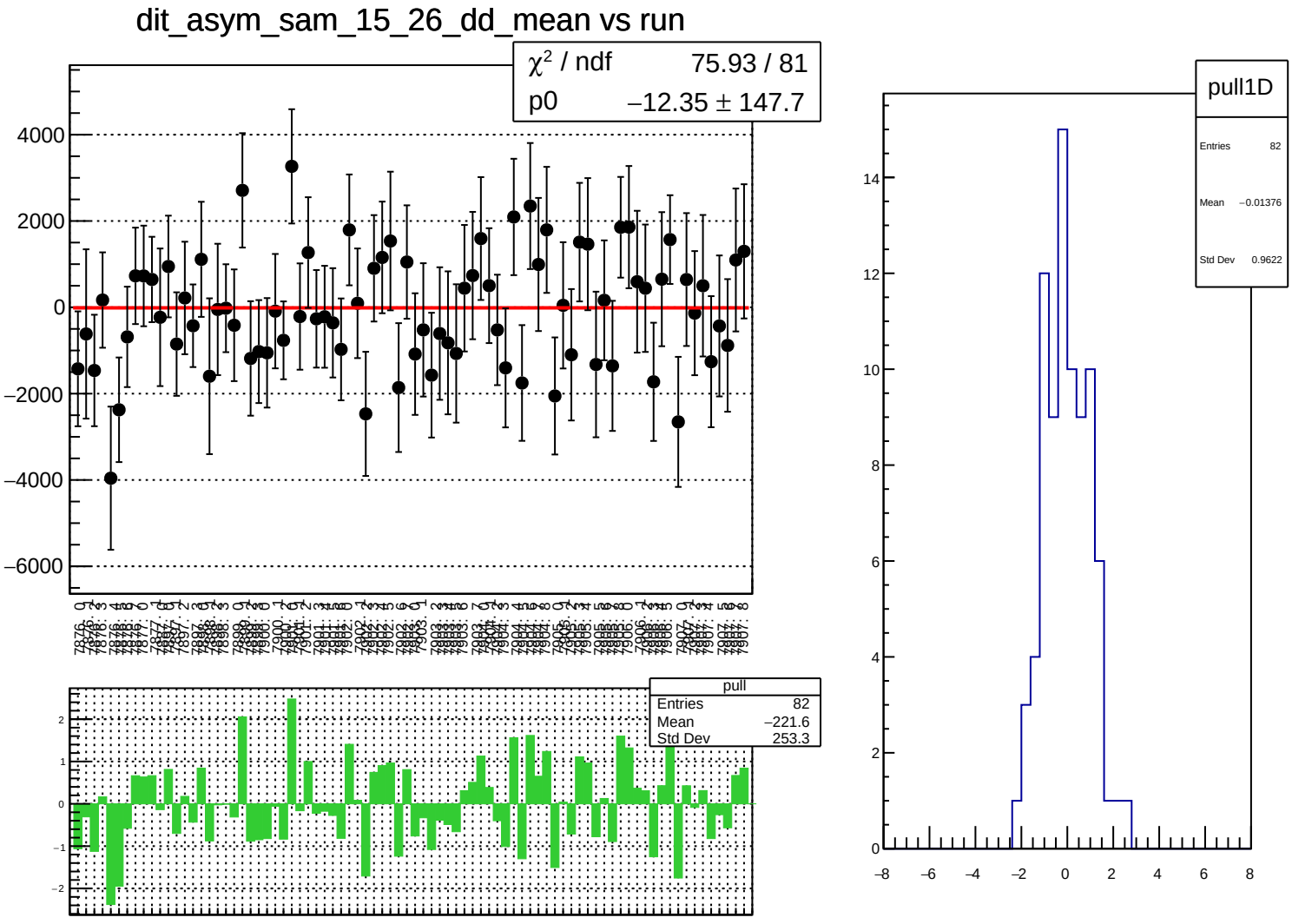
asym_sam_37_48_dd_correction_rms vs run



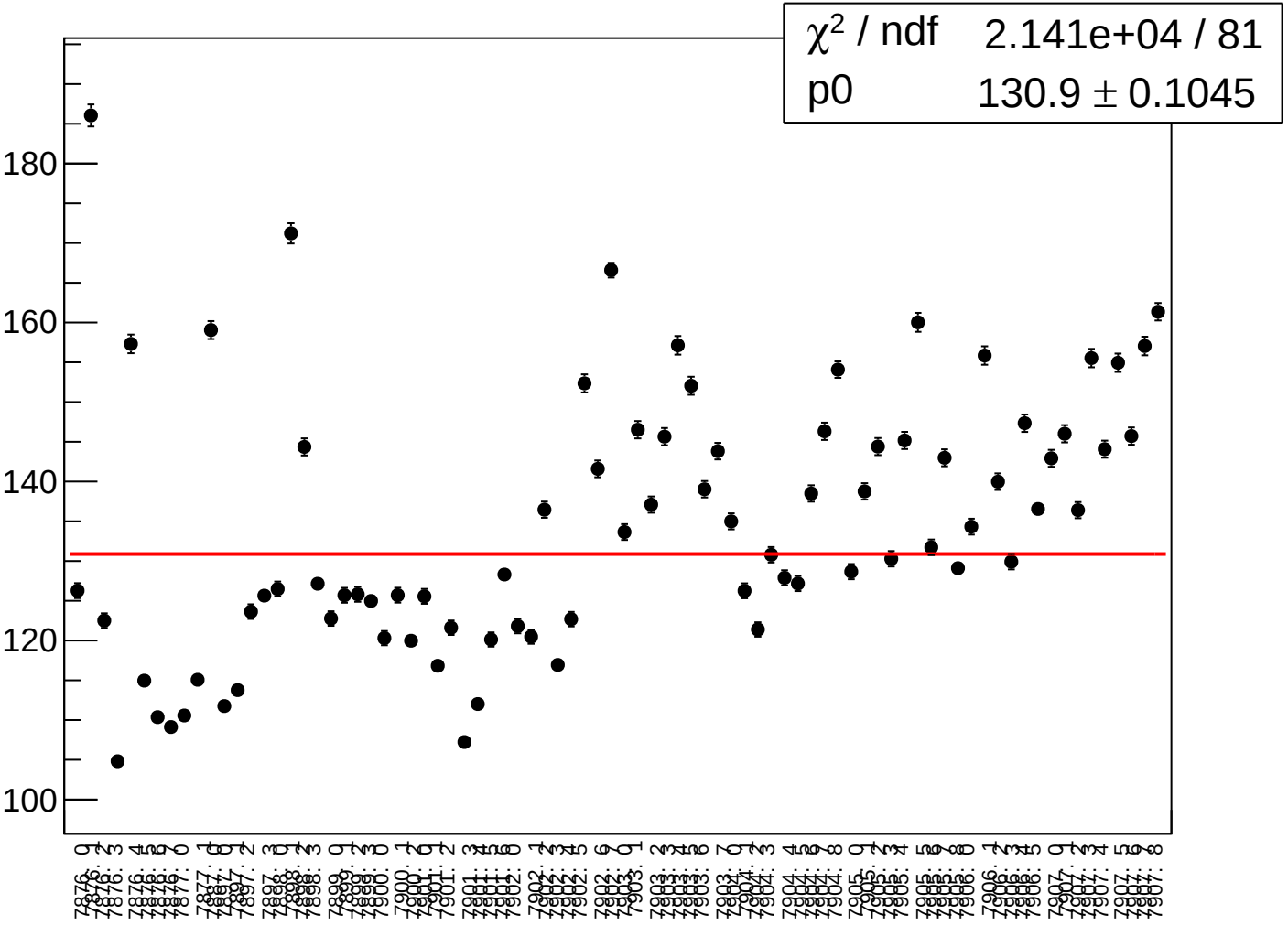

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.27 / 81
p0 −717.8 ± 455.9
30000
20000
10000
0
−10000
pull
Entries 82
Mean 42.23
Std Dev 71.1
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0141
Std Dev 1.026
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

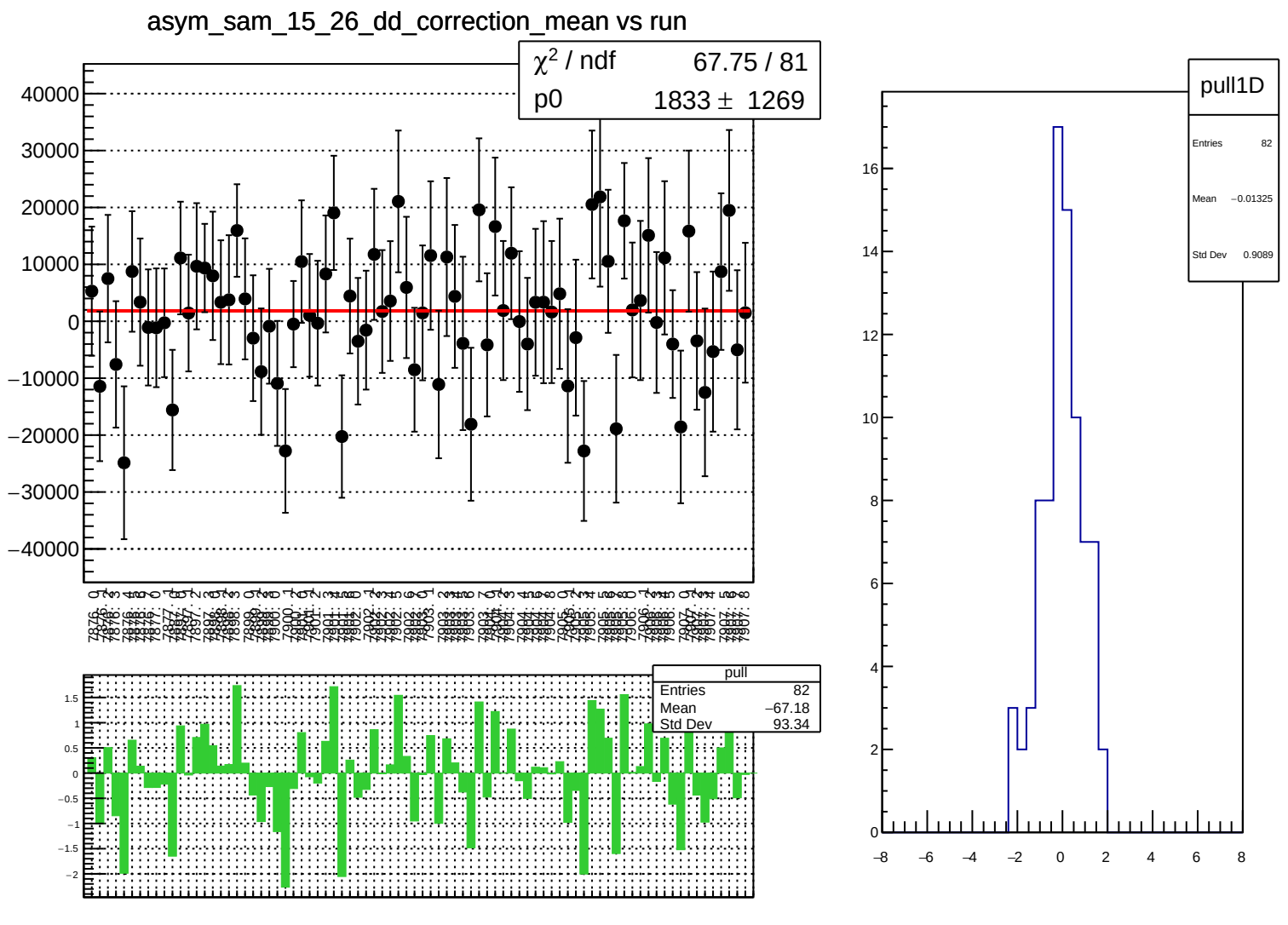
asym_sam_37_48_dd_rms vs run



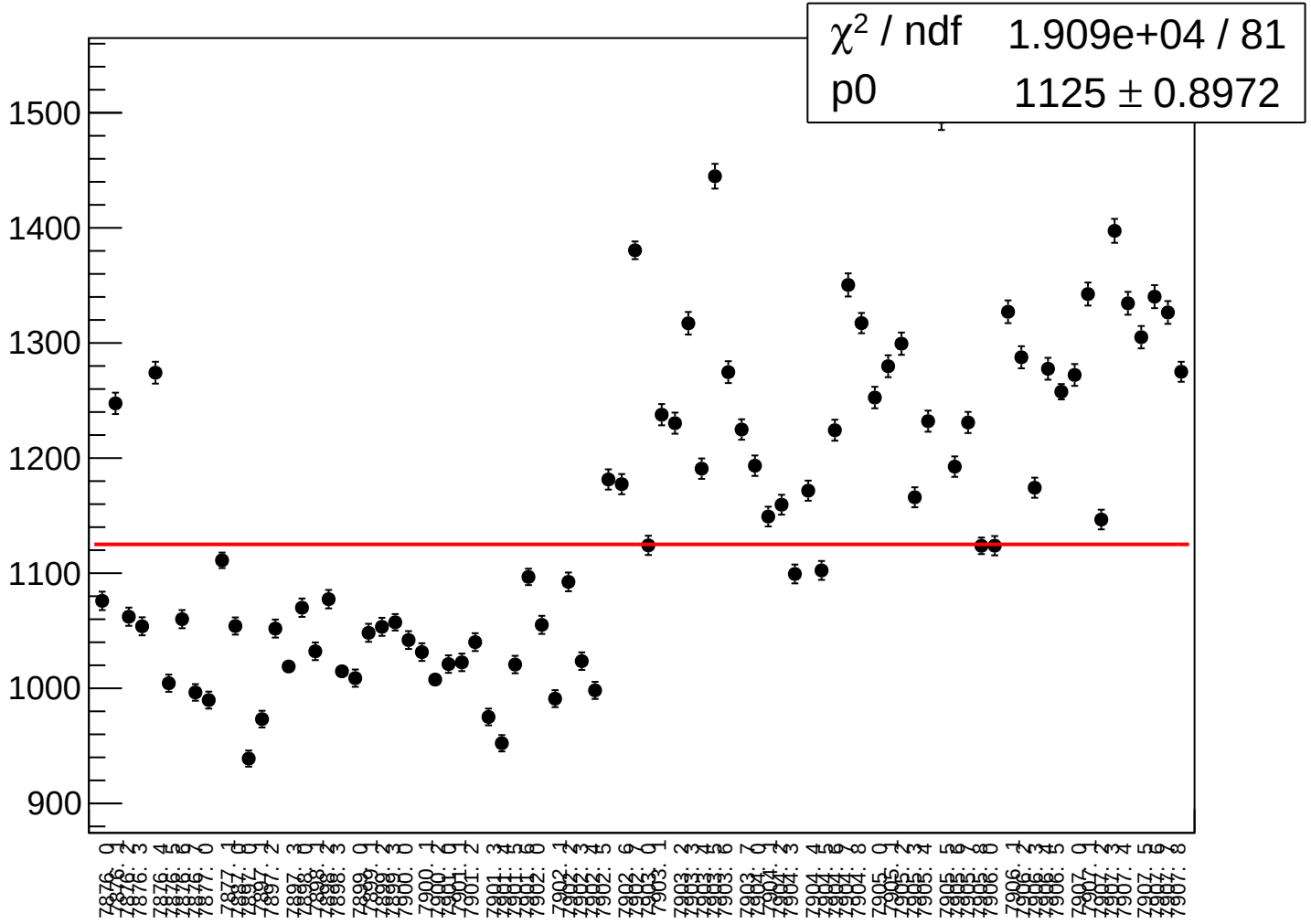

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 75.93 / 81
p0 −12.35 ± 147.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −221.6
Std Dev 253.3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01376
Std Dev 0.9622
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

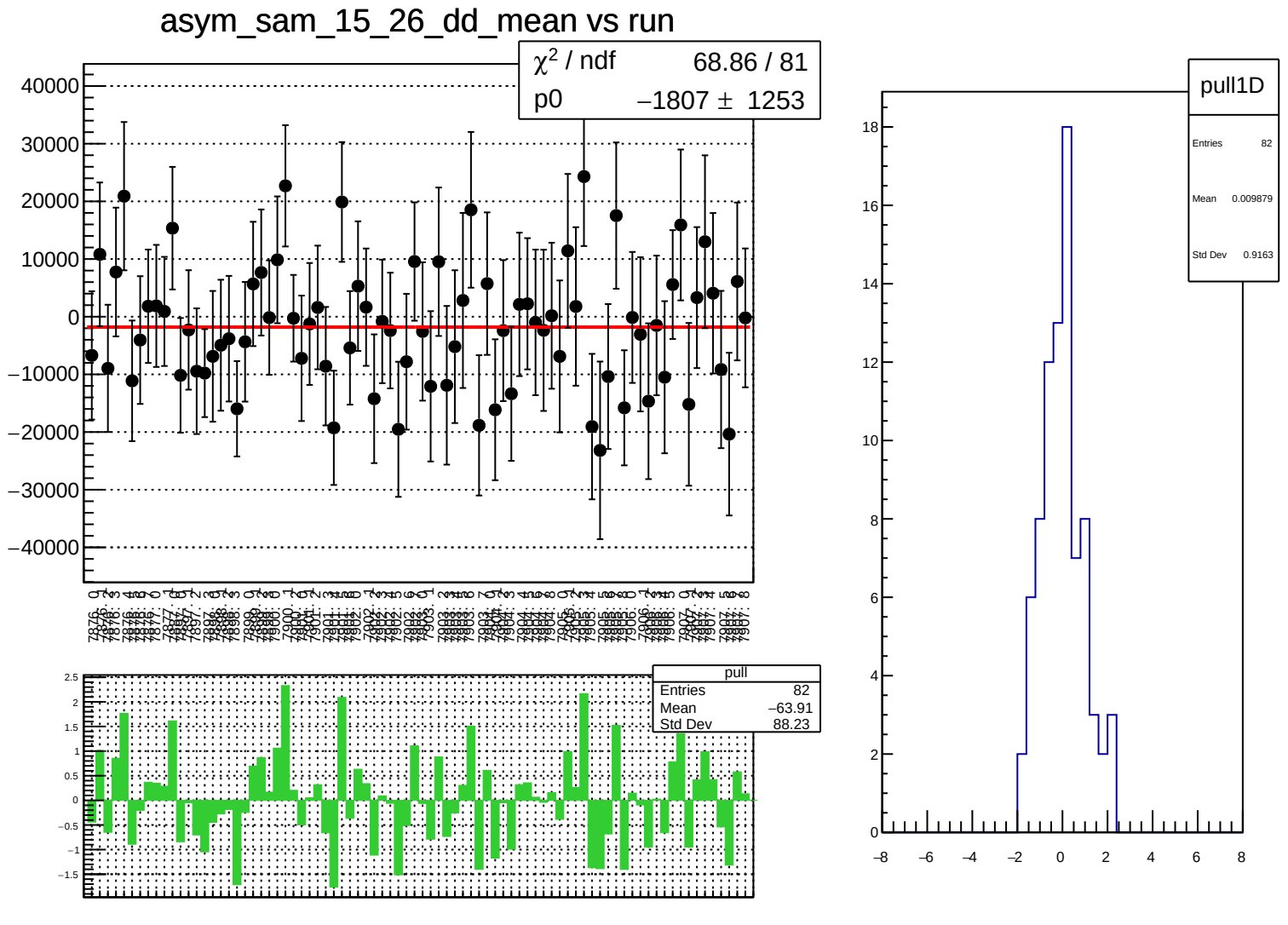
dit_asym_sam_15_26_dd_rms vs run



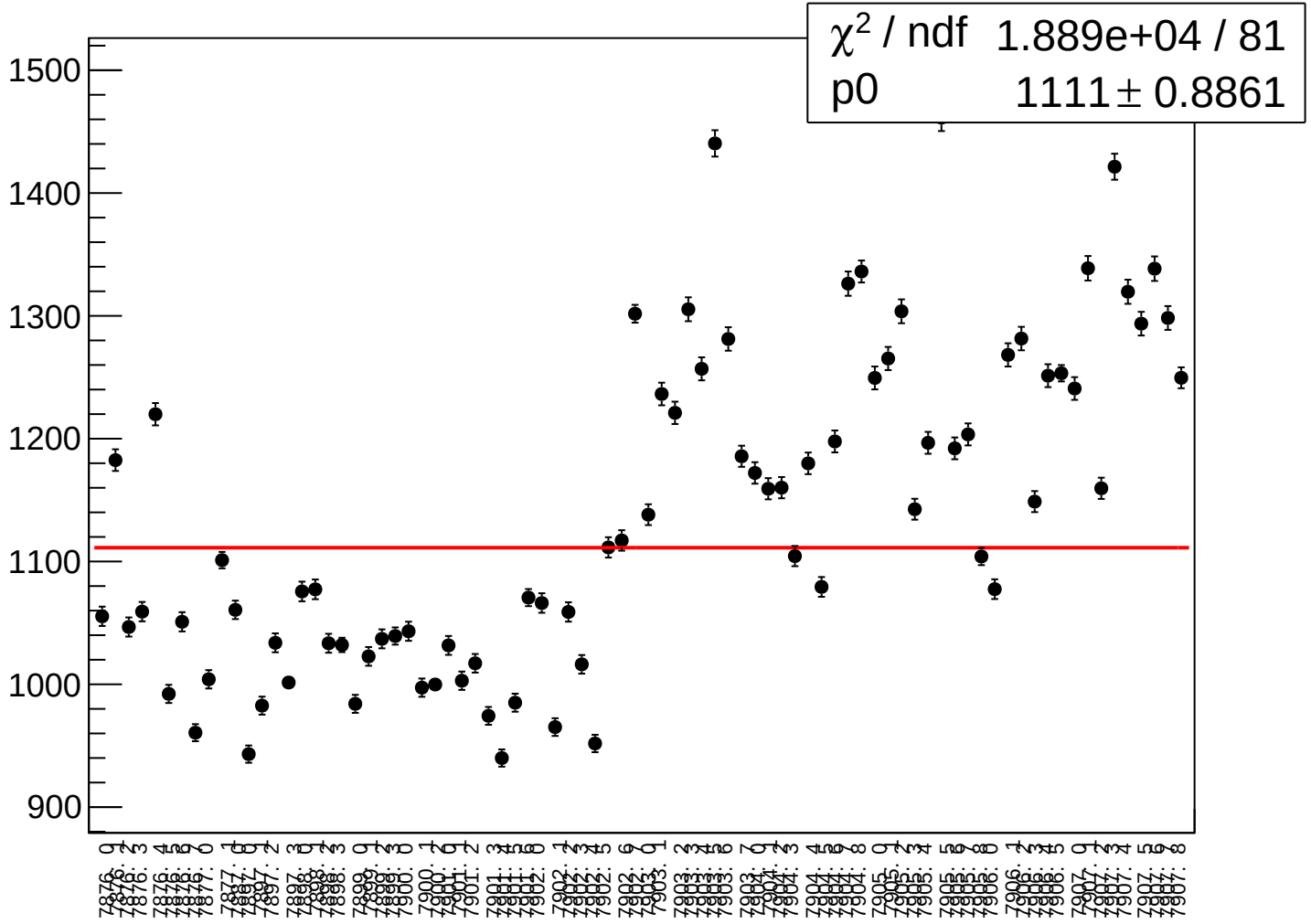

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 67.75 / 81
p0 1833 ± 1269
pull
Entries 82
Mean −67.18
Std Dev 93.34
pull1D
Entries 82
Mean −0.01325
Std Dev 0.9089

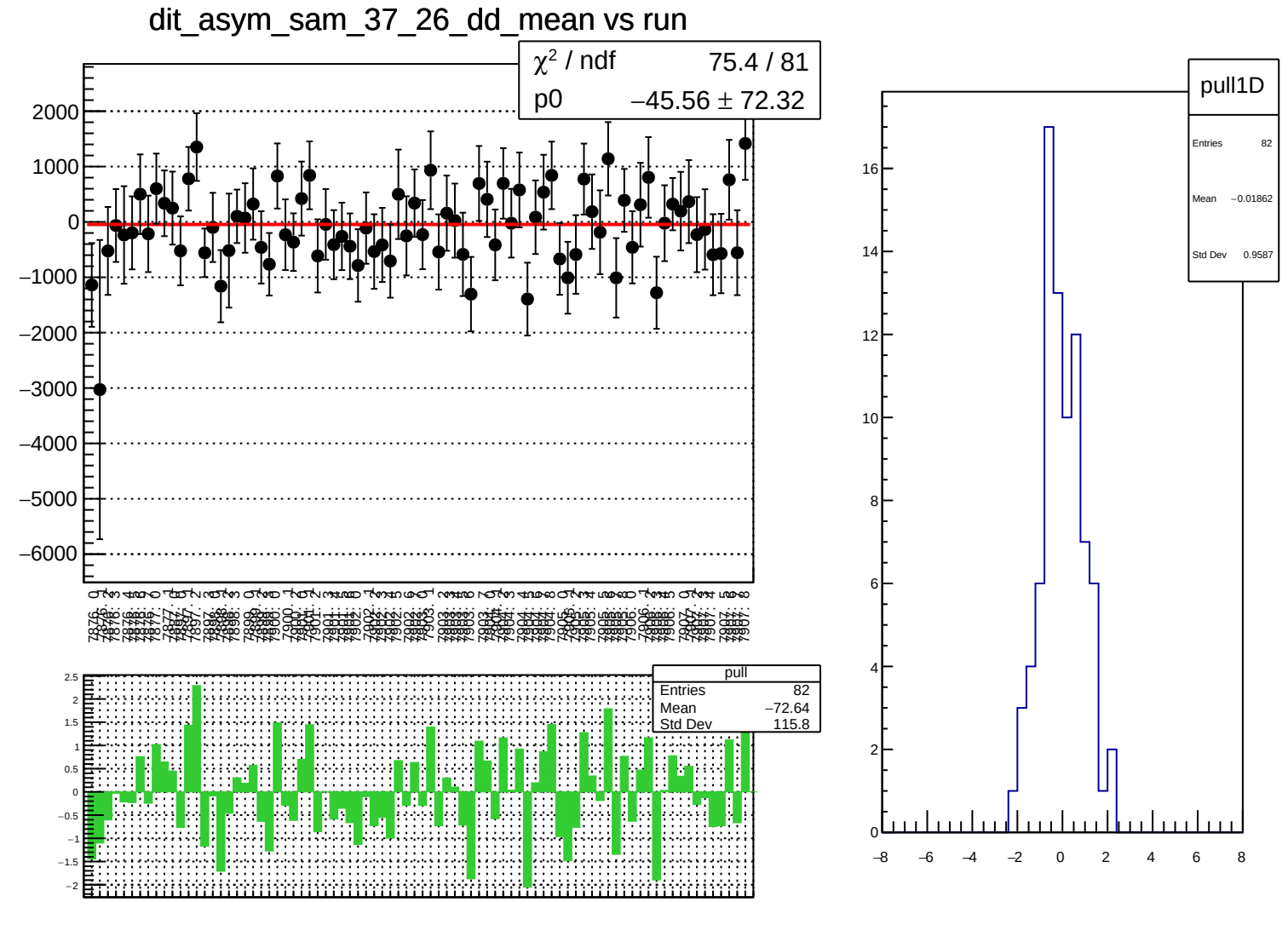
asym_sam_15_26_dd_correction_rms vs run



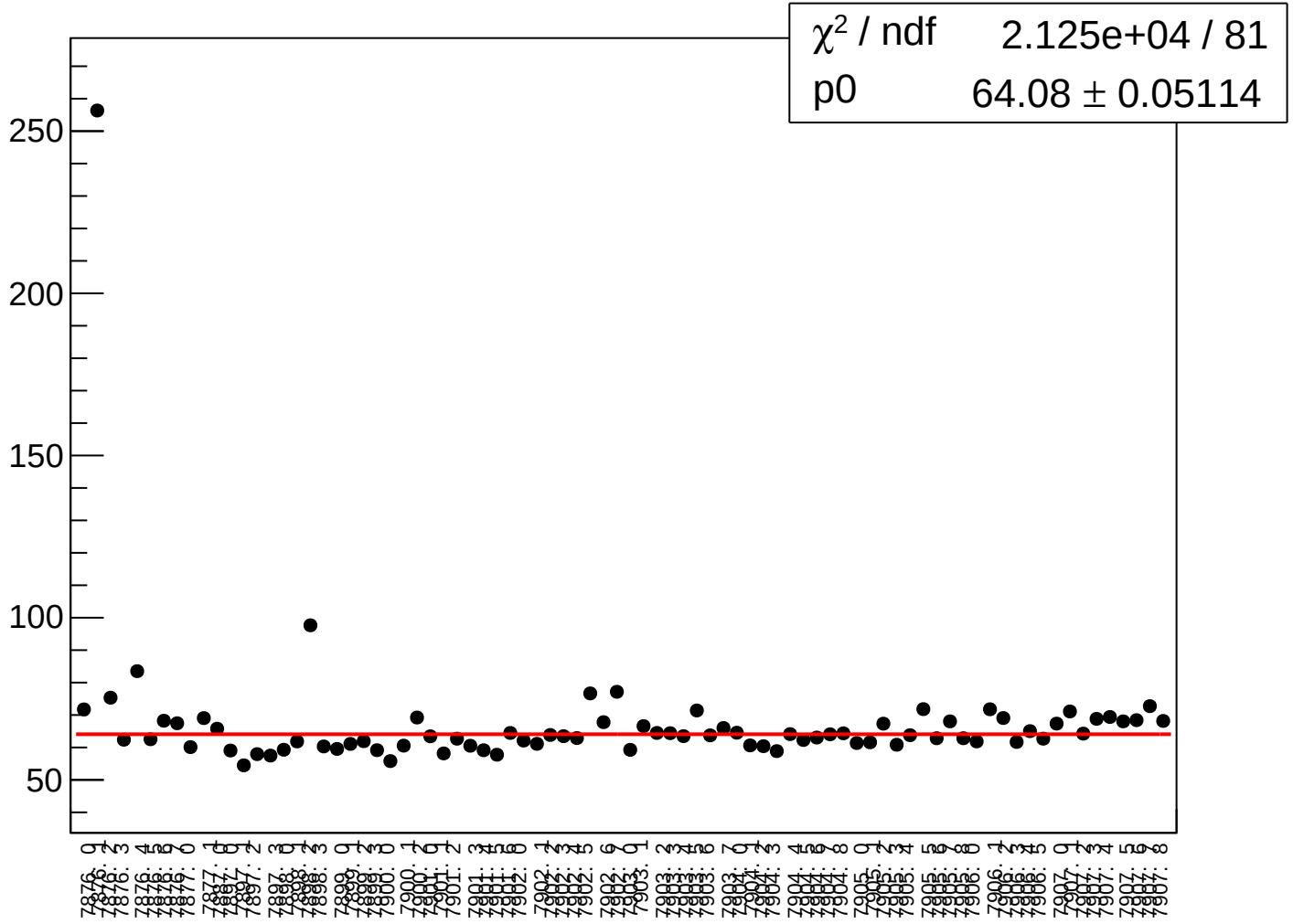

asym_sam_15_26_dd_mean vs run
χ² / ndf 68.86 / 81
p0 −1807 ± 1253
pull
Entries 82
Mean −63.91
Std Dev 88.23
pull1D
Entries 82
Mean 0.009879
Std Dev 0.9163

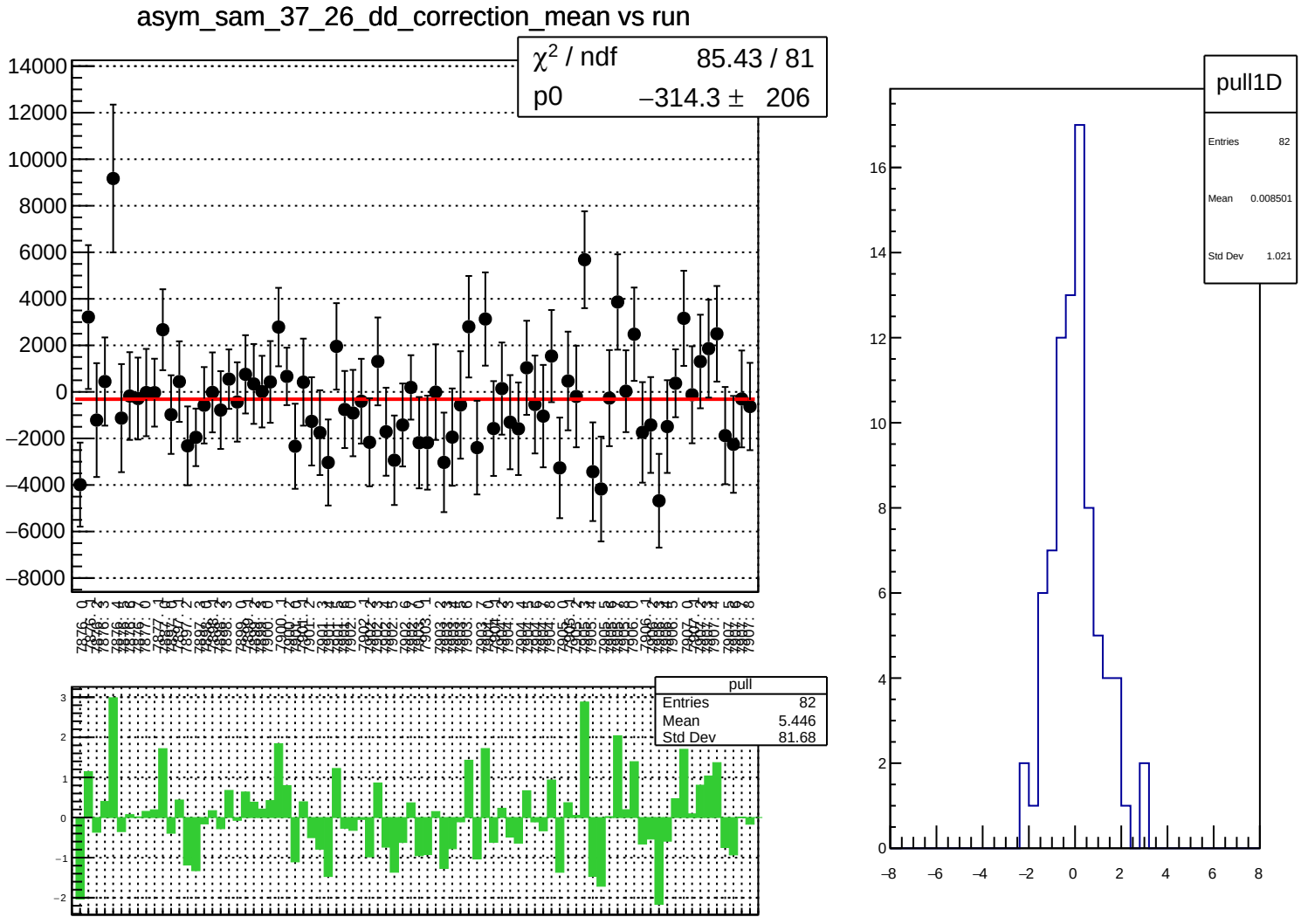
asym_sam_15_26_dd_rms vs run



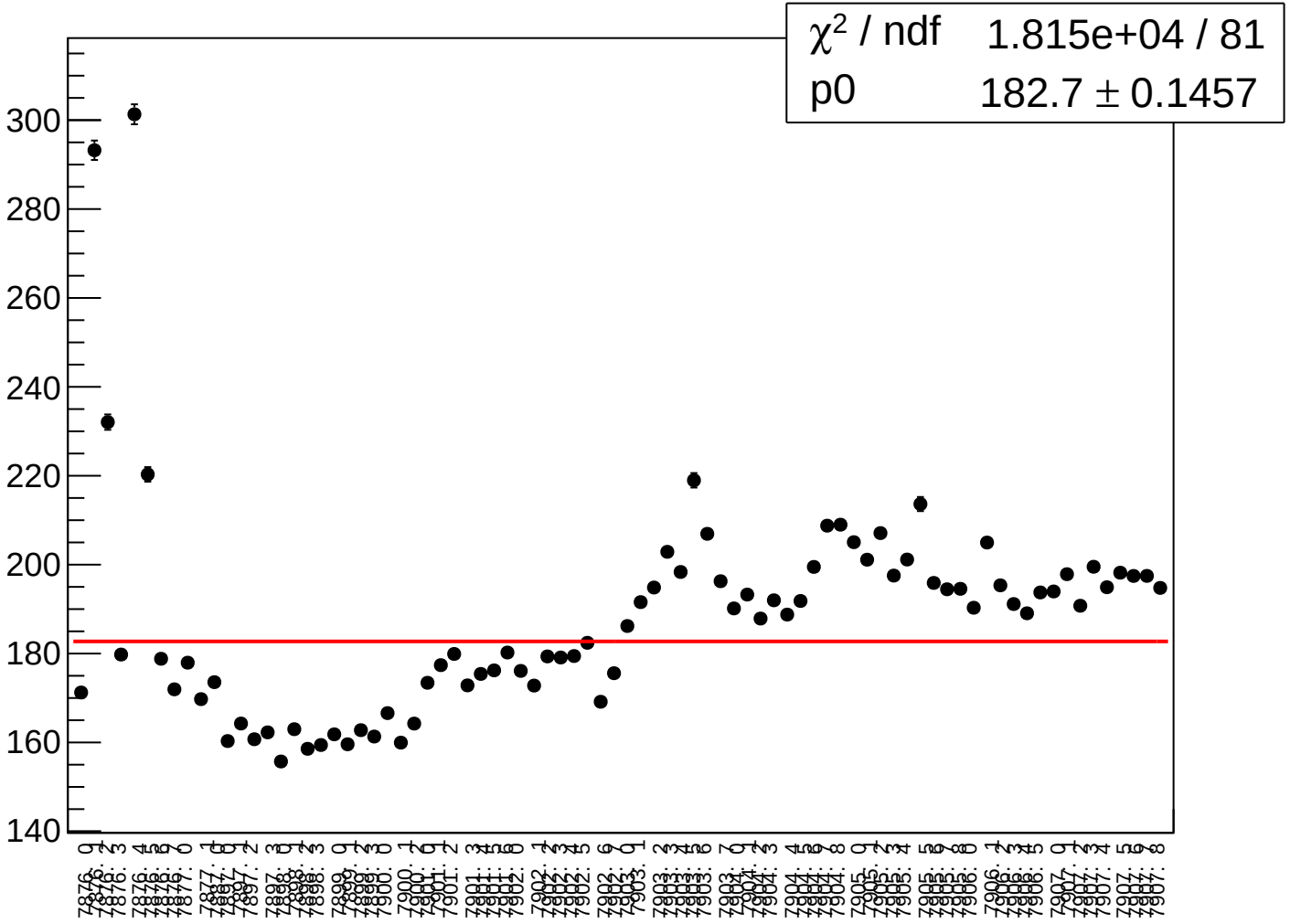

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.4 / 81
p0 −45.56 ± 72.32
pull
Entries 82
Mean −72.64
Std Dev 115.8
pull1D
Entries 82
Mean −0.01862
Std Dev 0.9587

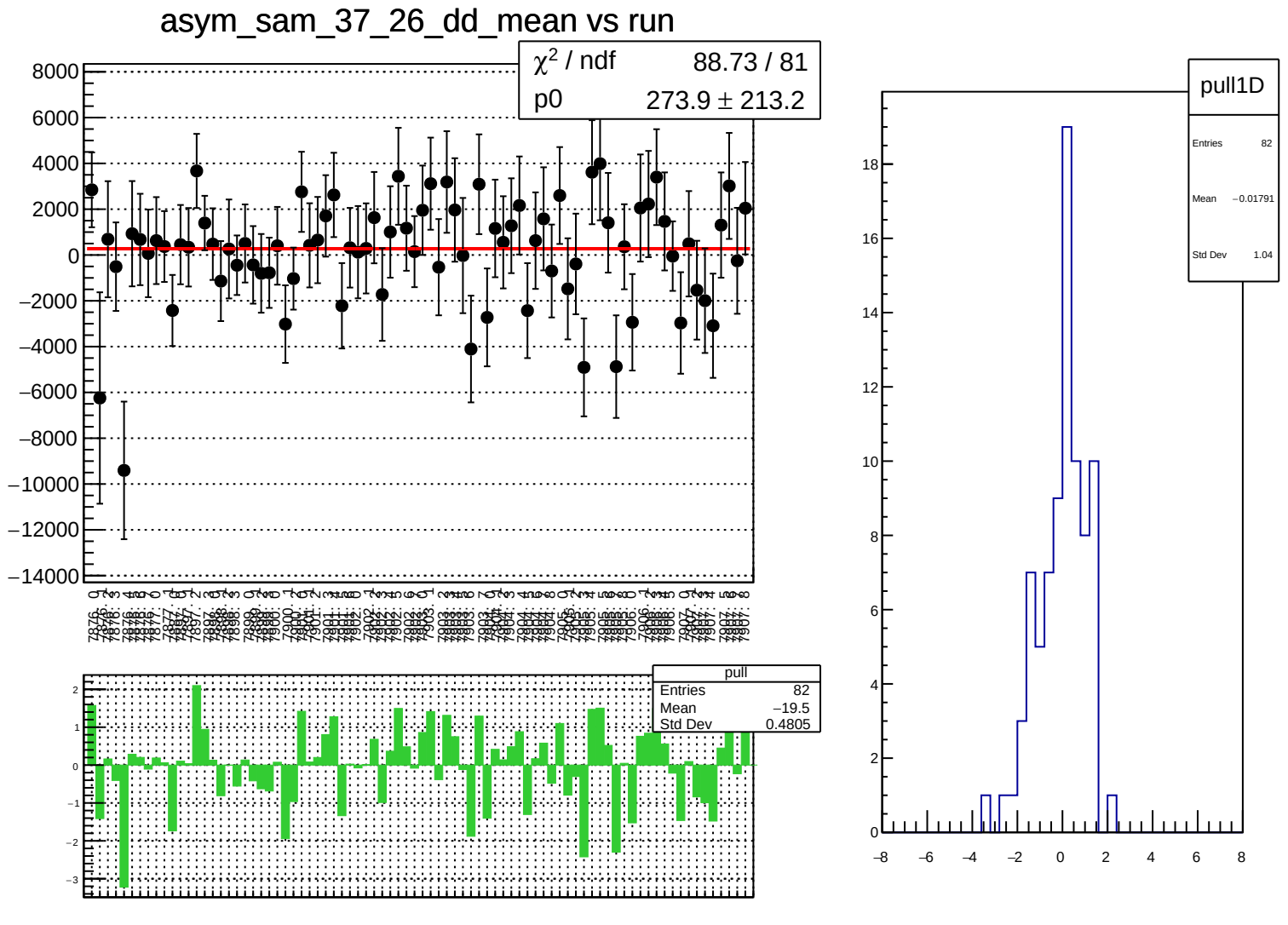
dit_asym_sam_37_26_dd_rms vs run

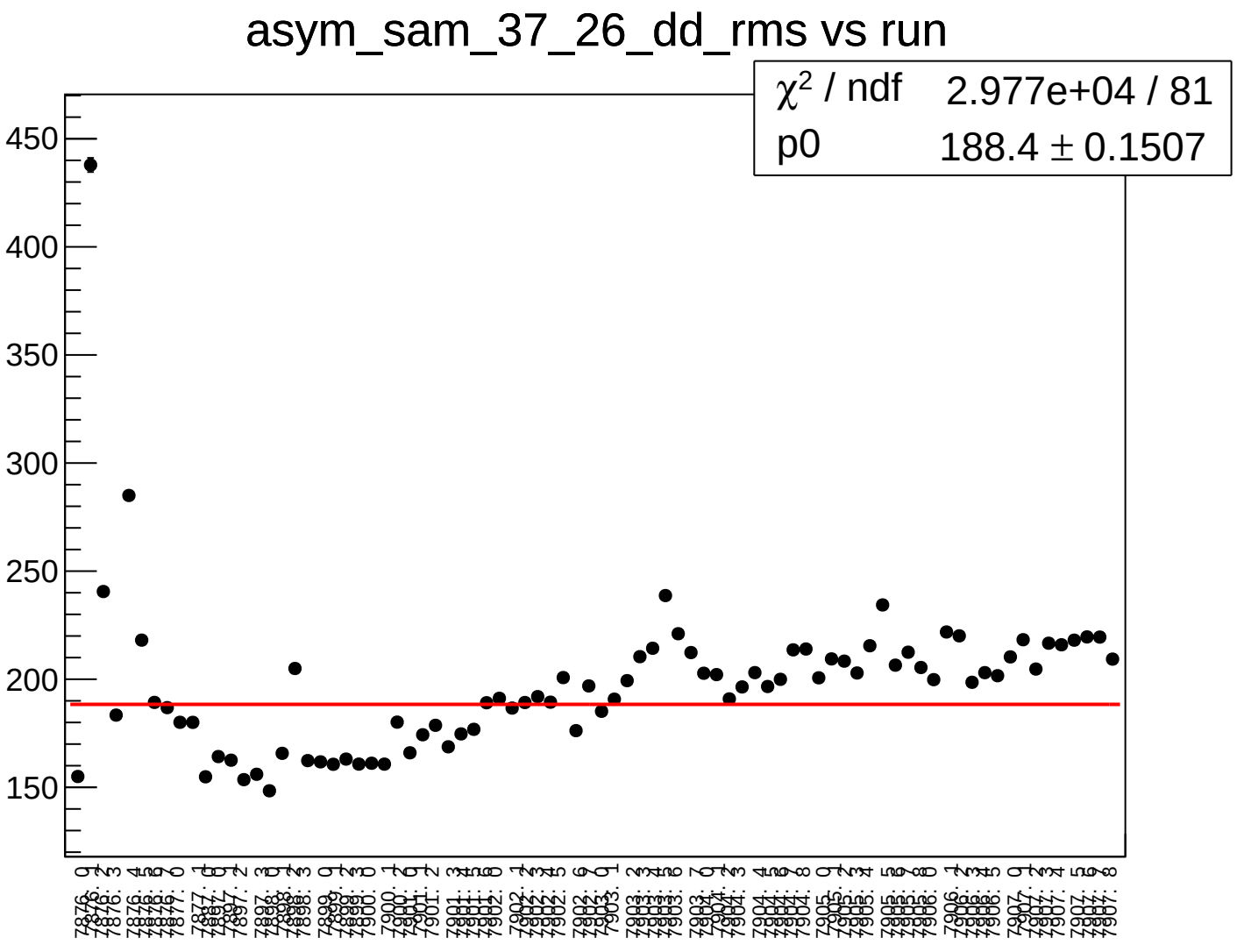


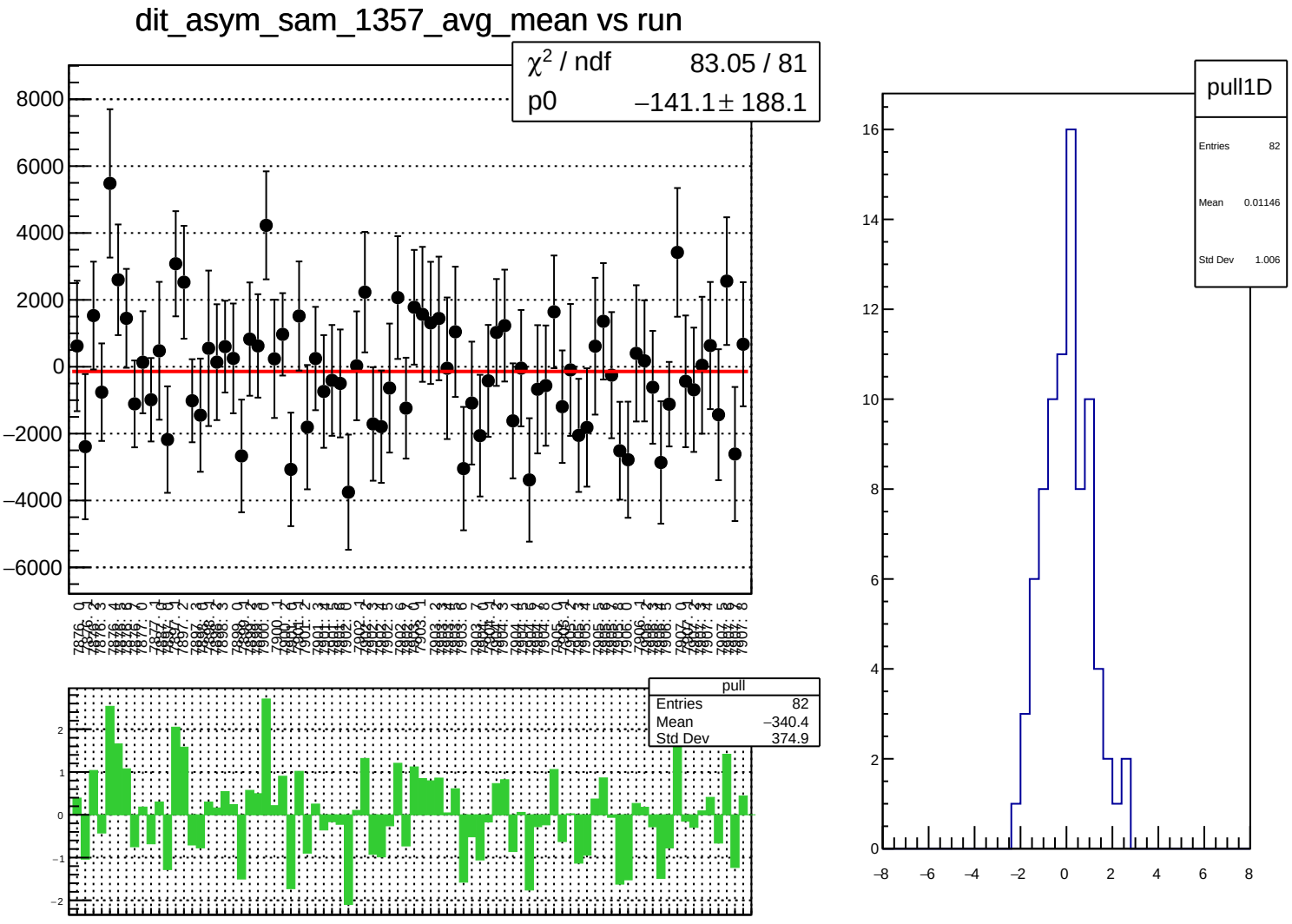

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 85.43 / 81
p0 −314.3 ± 206
pull
Entries 82
Mean 5.446
Std Dev 81.68
pull1D
Entries 82
Mean 0.008501
Std Dev 1.021

asym_sam_37_26_dd_correction_rms vs run

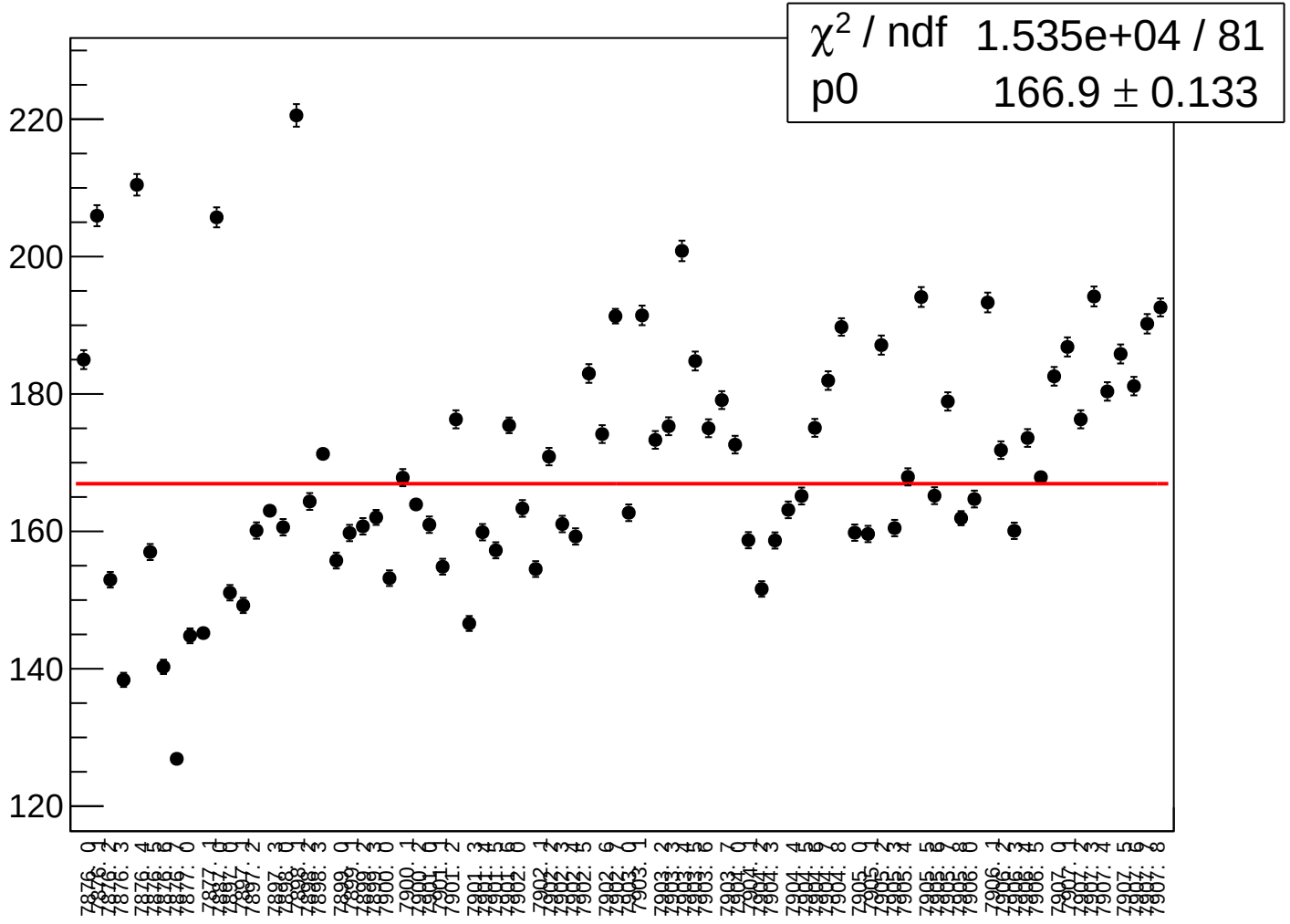


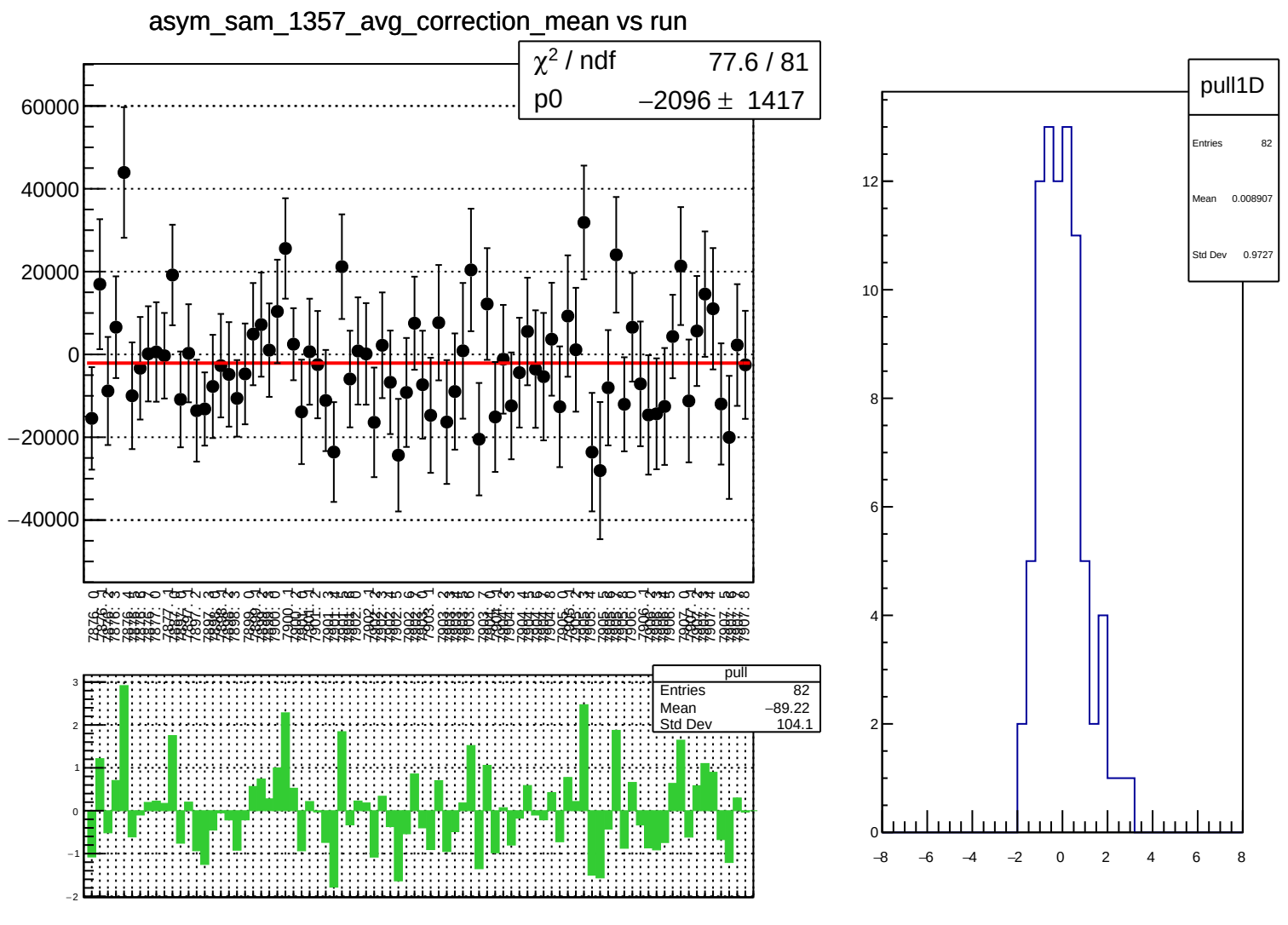

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 88.73 / 81
p0 273.9 ± 213.2
pull
Entries 82
Mean −19.5
Std Dev 0.4805
pull1D
Entries 82
Mean −0.01791
Std Dev 1.04


asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2.977e+04 / 81
p0 188.4 ± 0.1507
450
400
350
300
250
200
150

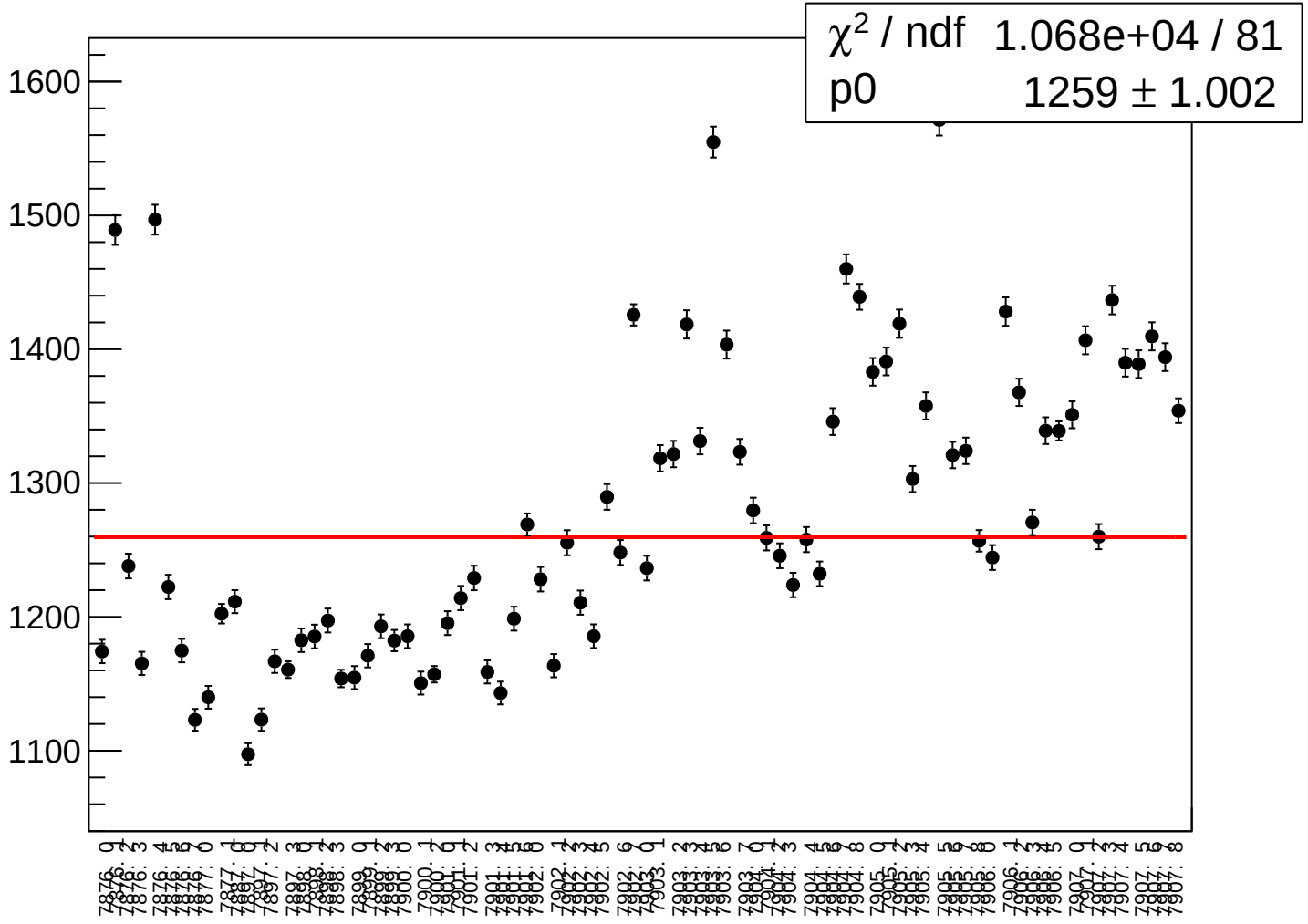

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 83.05 / 81
p0 −141.1 ± 188.1
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −340.4
Std Dev 374.9
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01146
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

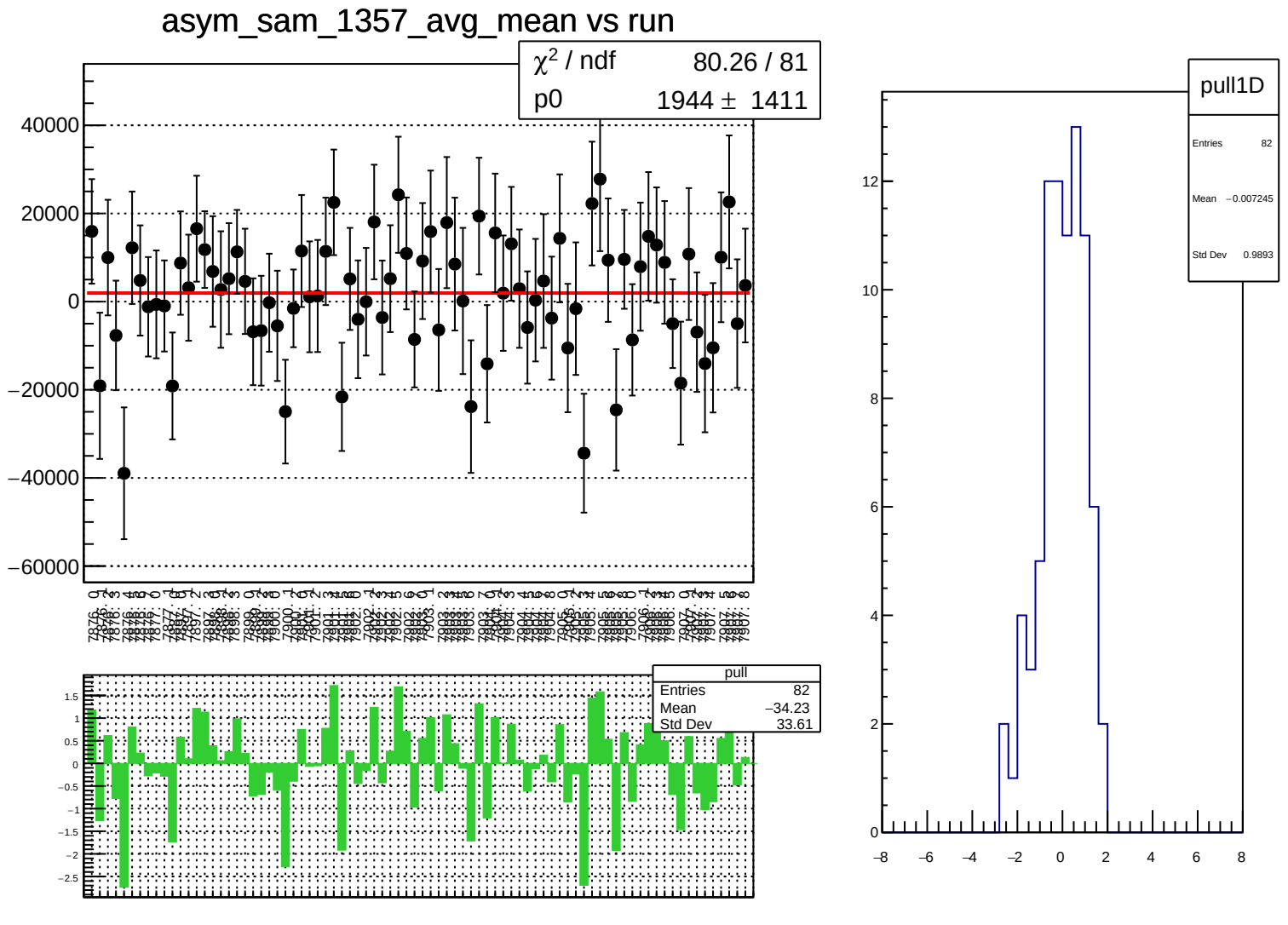
dit_asym_sam_1357_avg_rms vs run



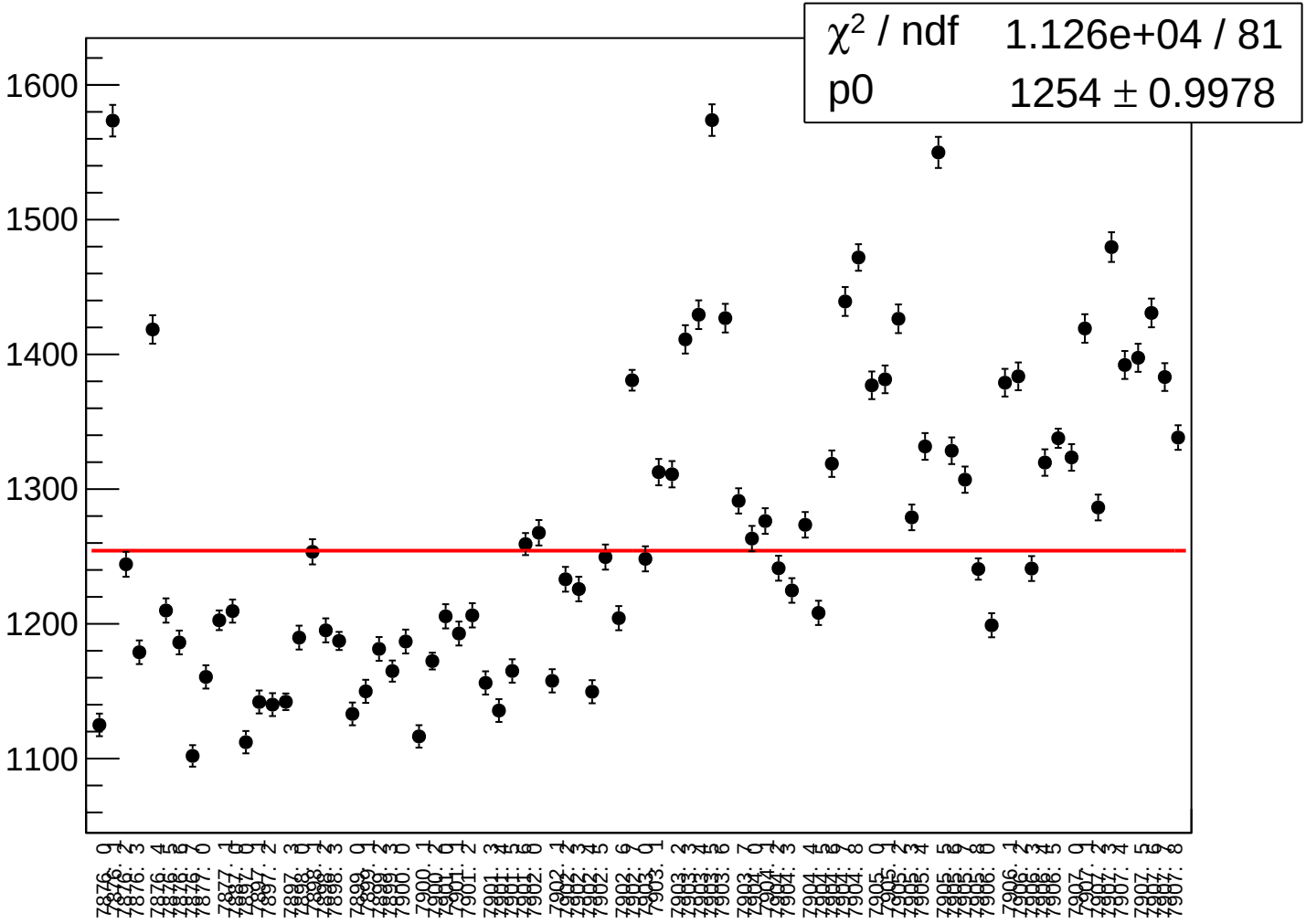

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 77.6 / 81
p0 −2096 ± 1417
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −89.22
Std Dev 104.1
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.008907
Std Dev 0.9727
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

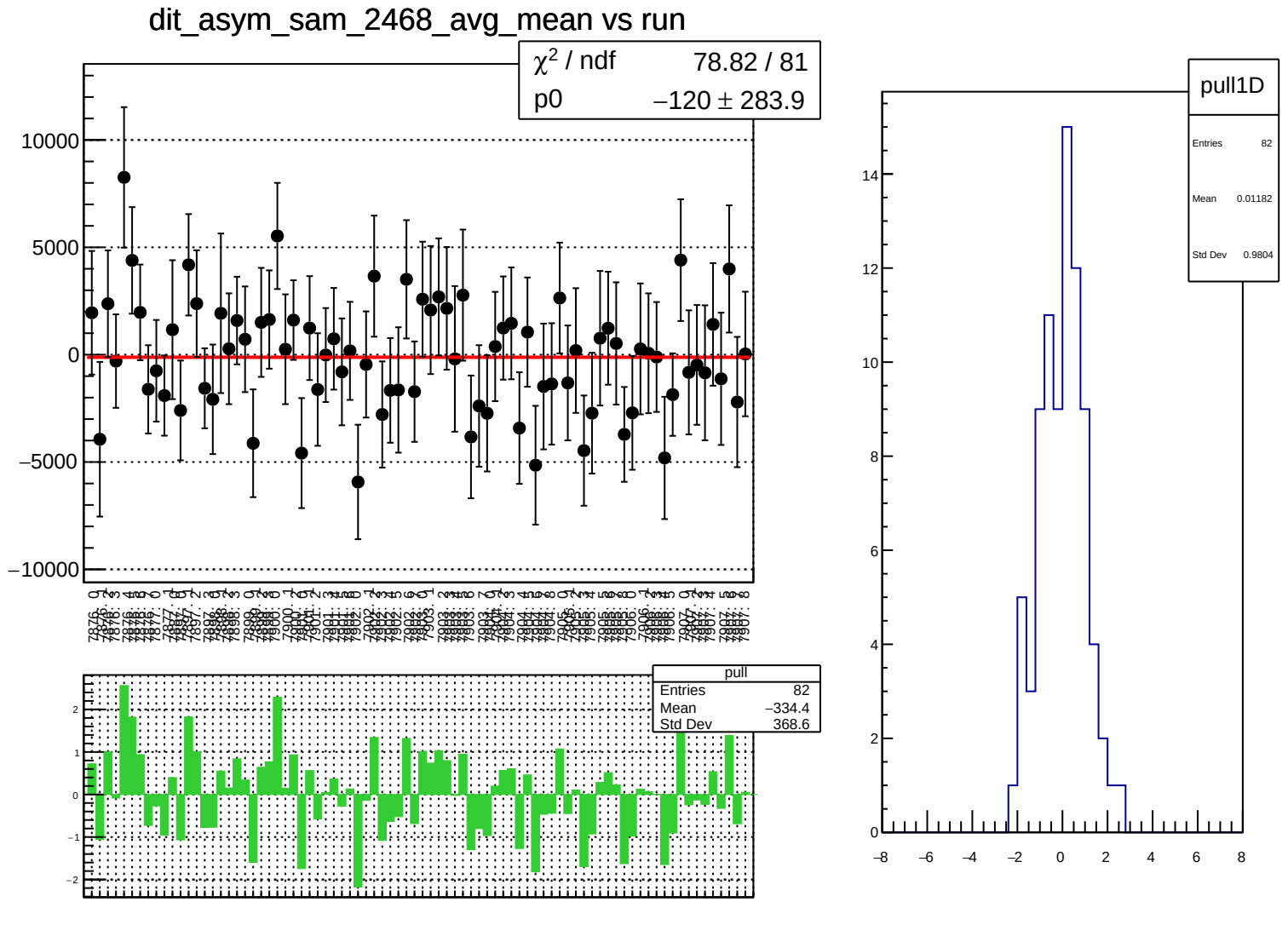
asym_sam_1357_avg_correction_rms vs run



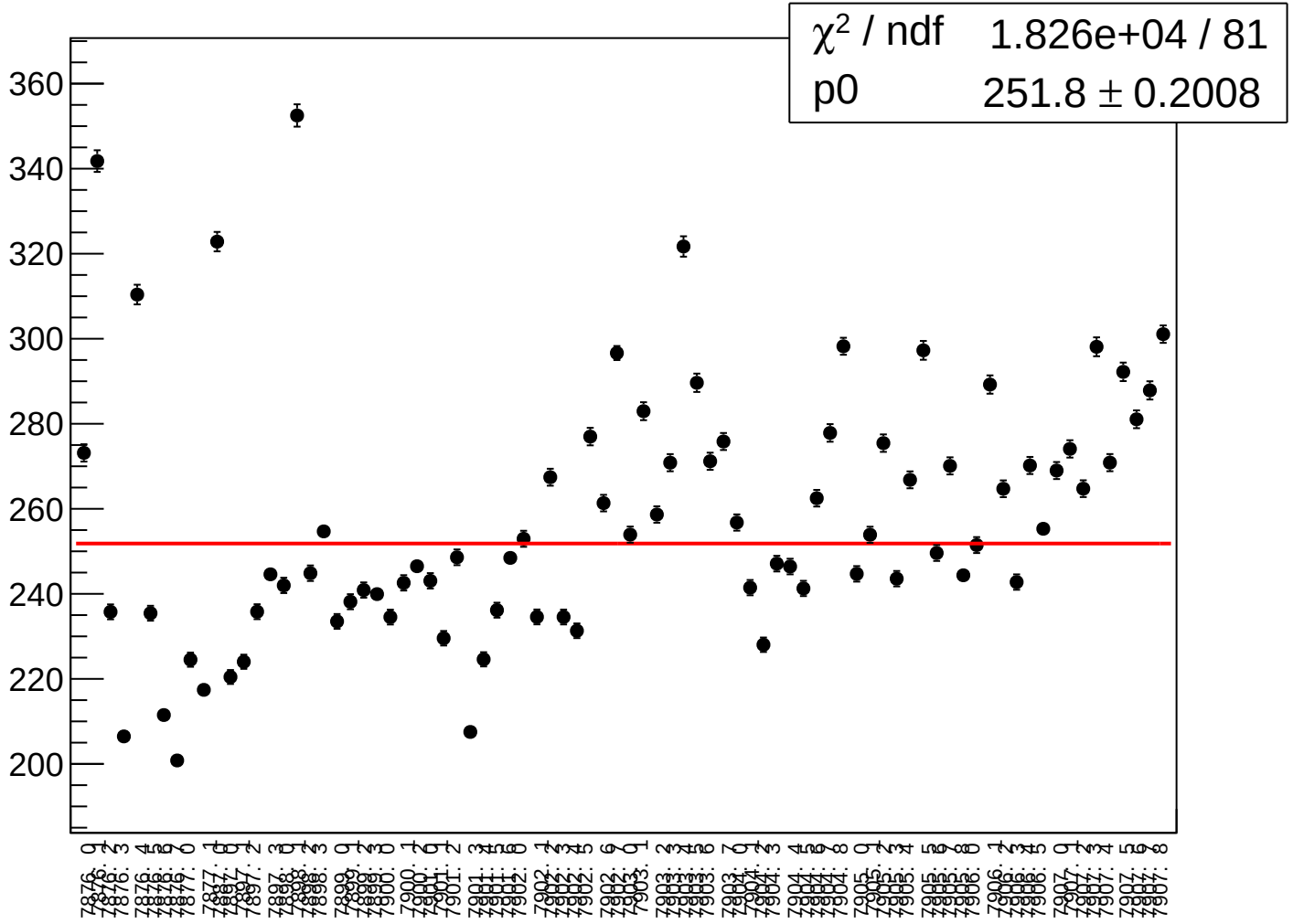

asym_sam_1357_avg_mean vs run
χ² / ndf 80.26 / 81
p0 1944 ± 1411
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −34.23
Std Dev 33.61
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.007245
Std Dev 0.9893
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

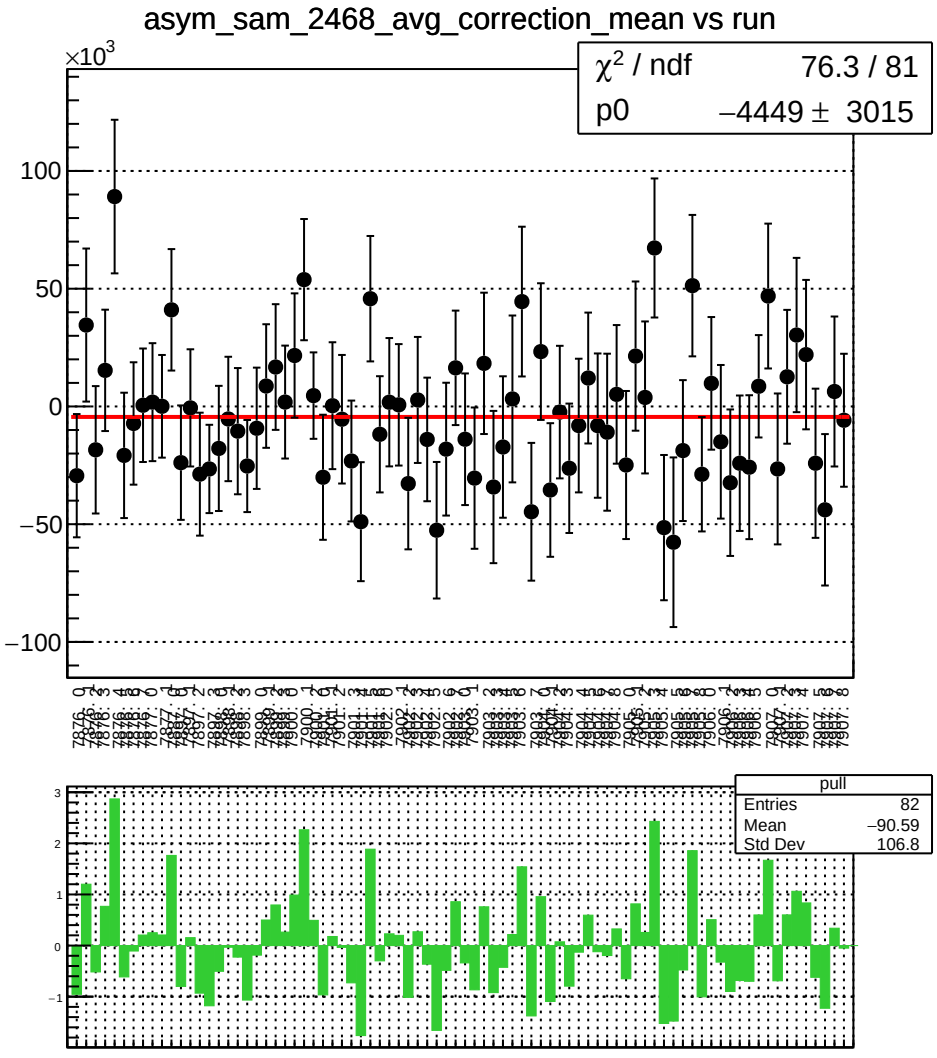
asym_sam_1357_avg_rms vs run

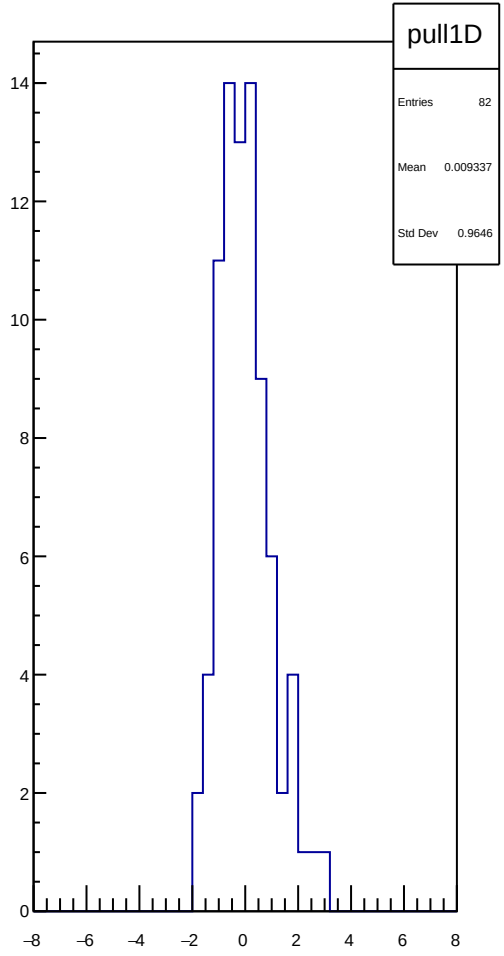



dit_asym_sam_2468_avg_mean vs run
χ² / ndf 78.82 / 81
p0 −120 ± 283.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −334.4
Std Dev 368.6
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01182
Std Dev 0.9804
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

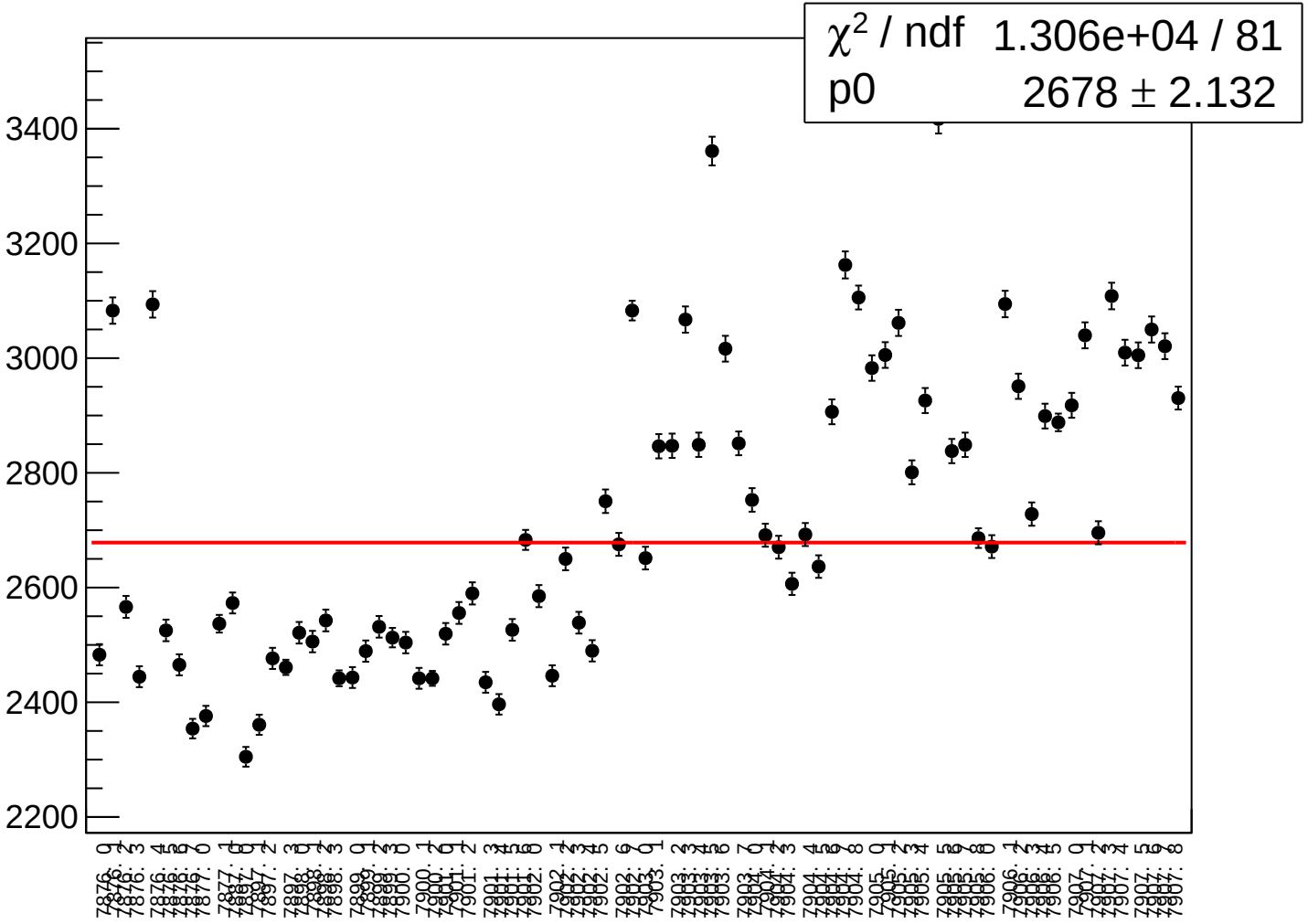
dit_asym_sam_2468_avg_rms vs run

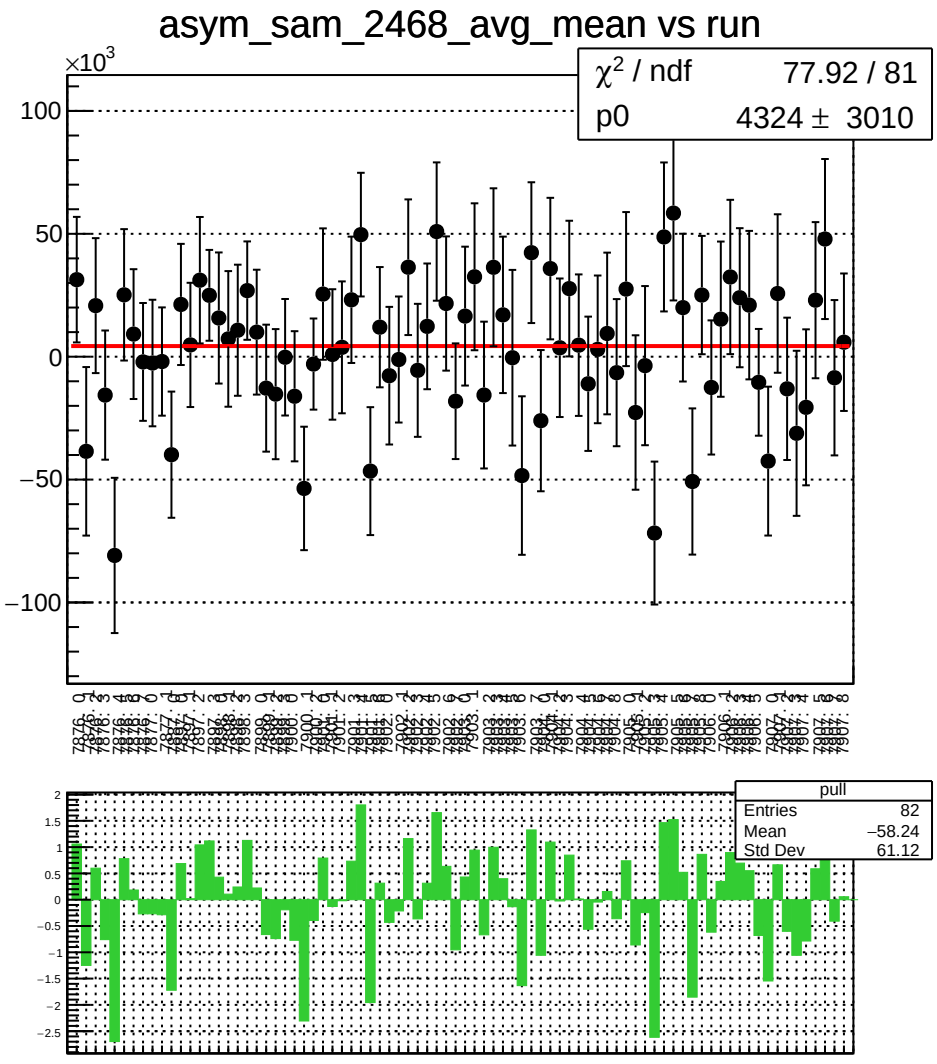


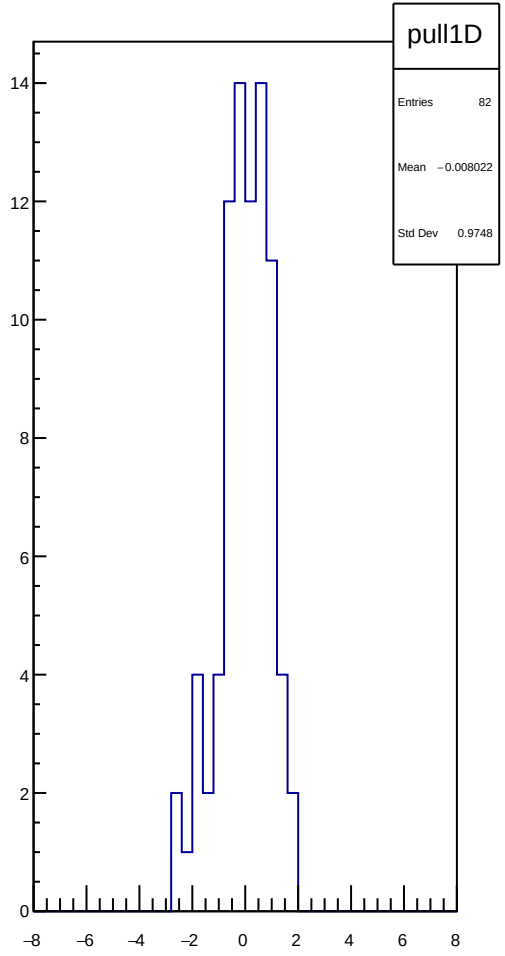

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 76.3 / 81
p0 −4449 ± 3015
100
50
0
−50
−100
pull
Entries 82
Mean −90.59
Std Dev 106.8
3
2
1
0
−1

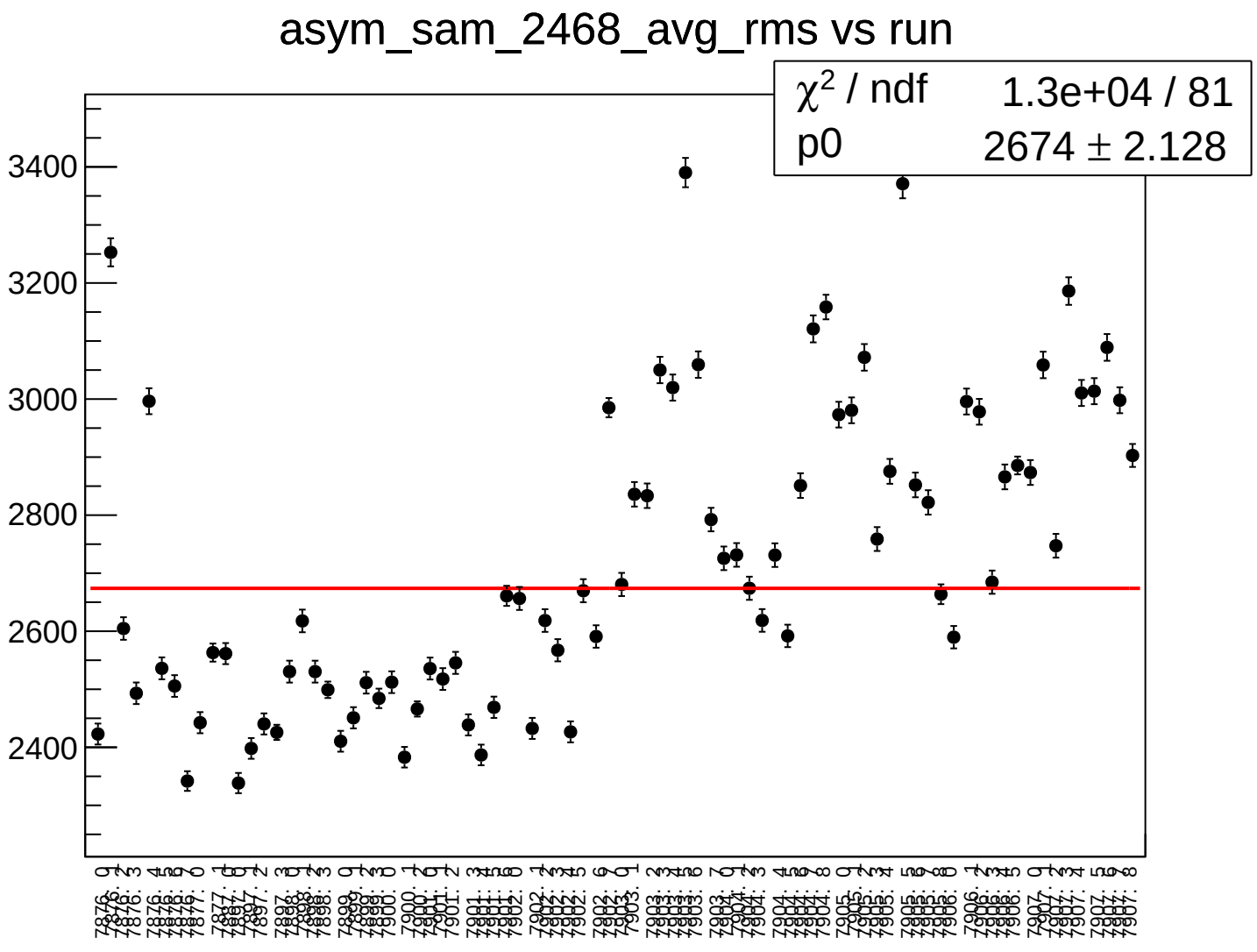

pull1D
Entries 82
Mean 0.009337
Std Dev 0.9646
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

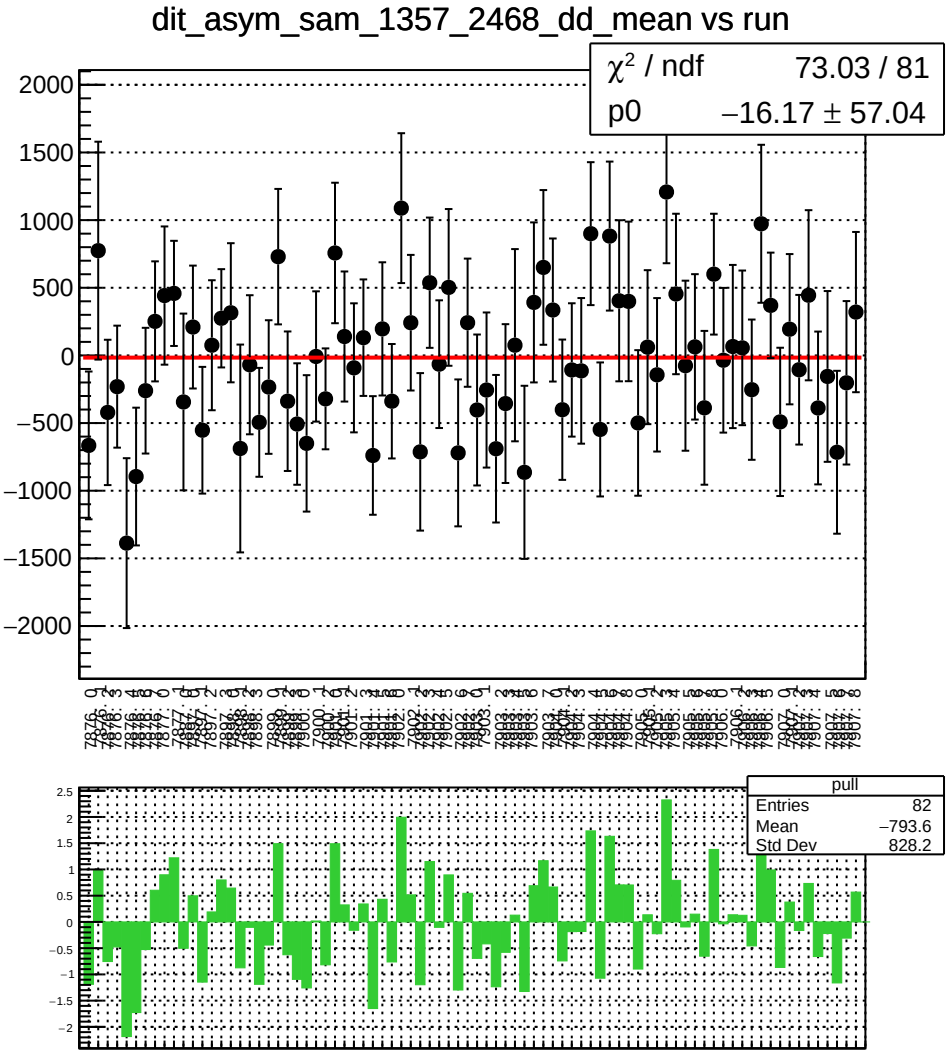
asym_sam_2468_avg_correction_rms vs run

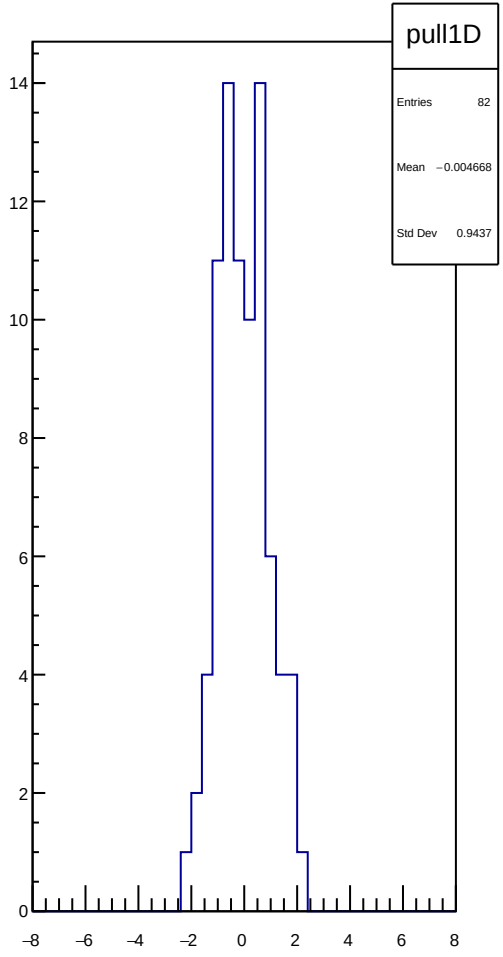


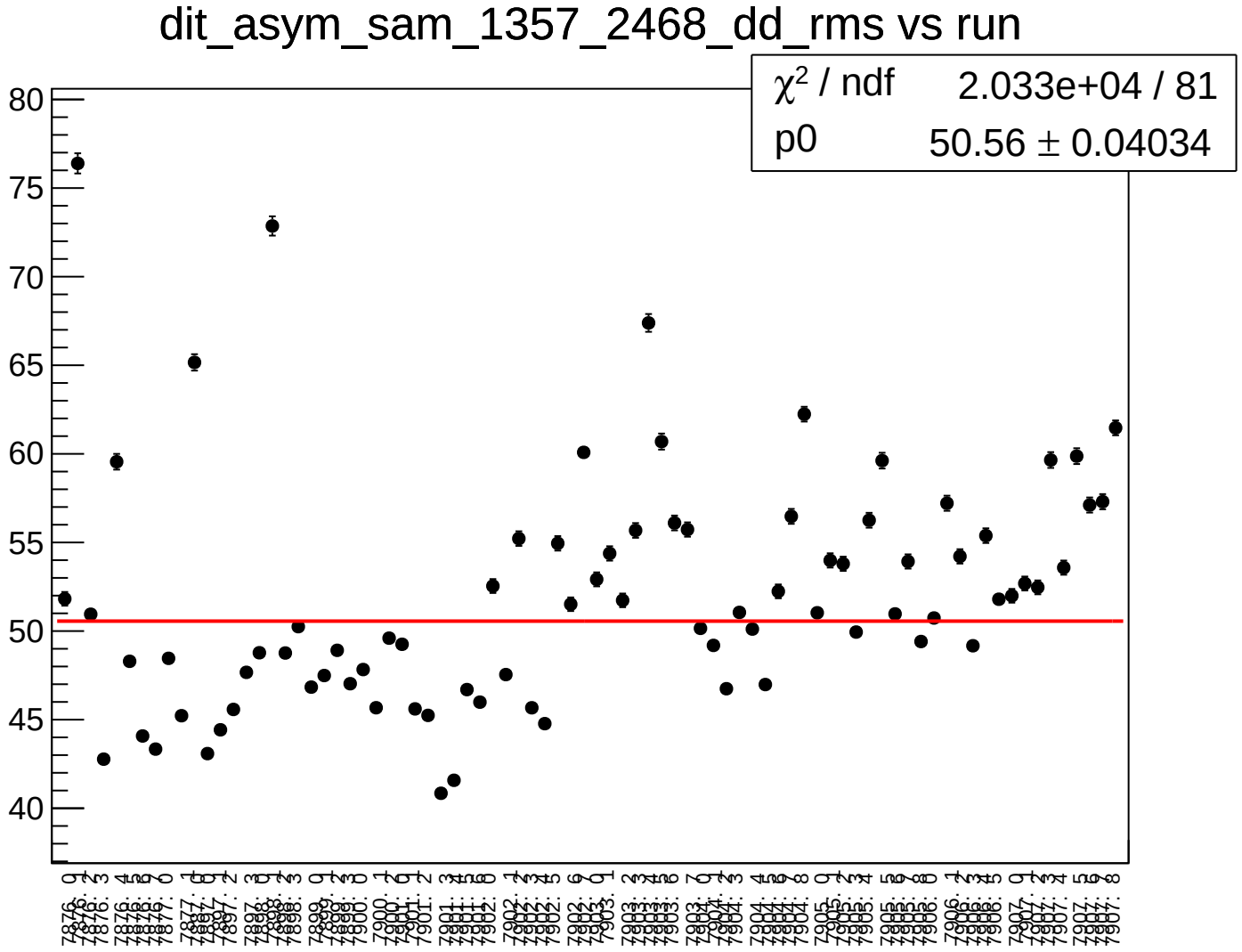

asym_sam_2468_avg_mean vs run
×10^3
χ^2 / ndf 77.92 / 81
p0 4324 ± 3010
100
50
0
−50
−100
pull
Entries 82
Mean −58.24
Std Dev 61.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

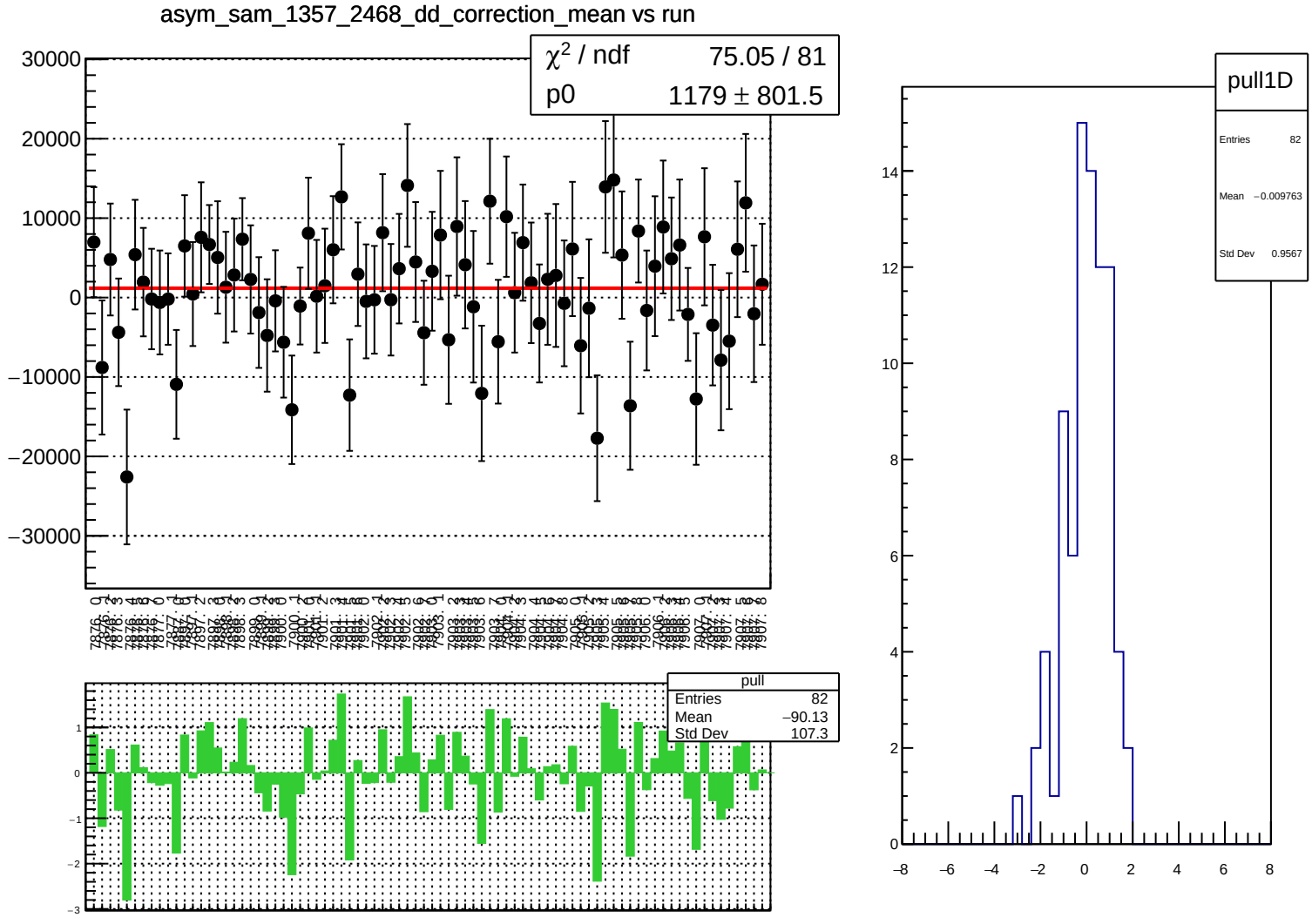

pull1D
Entries 82
Mean −0.008022
Std Dev 0.9748
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

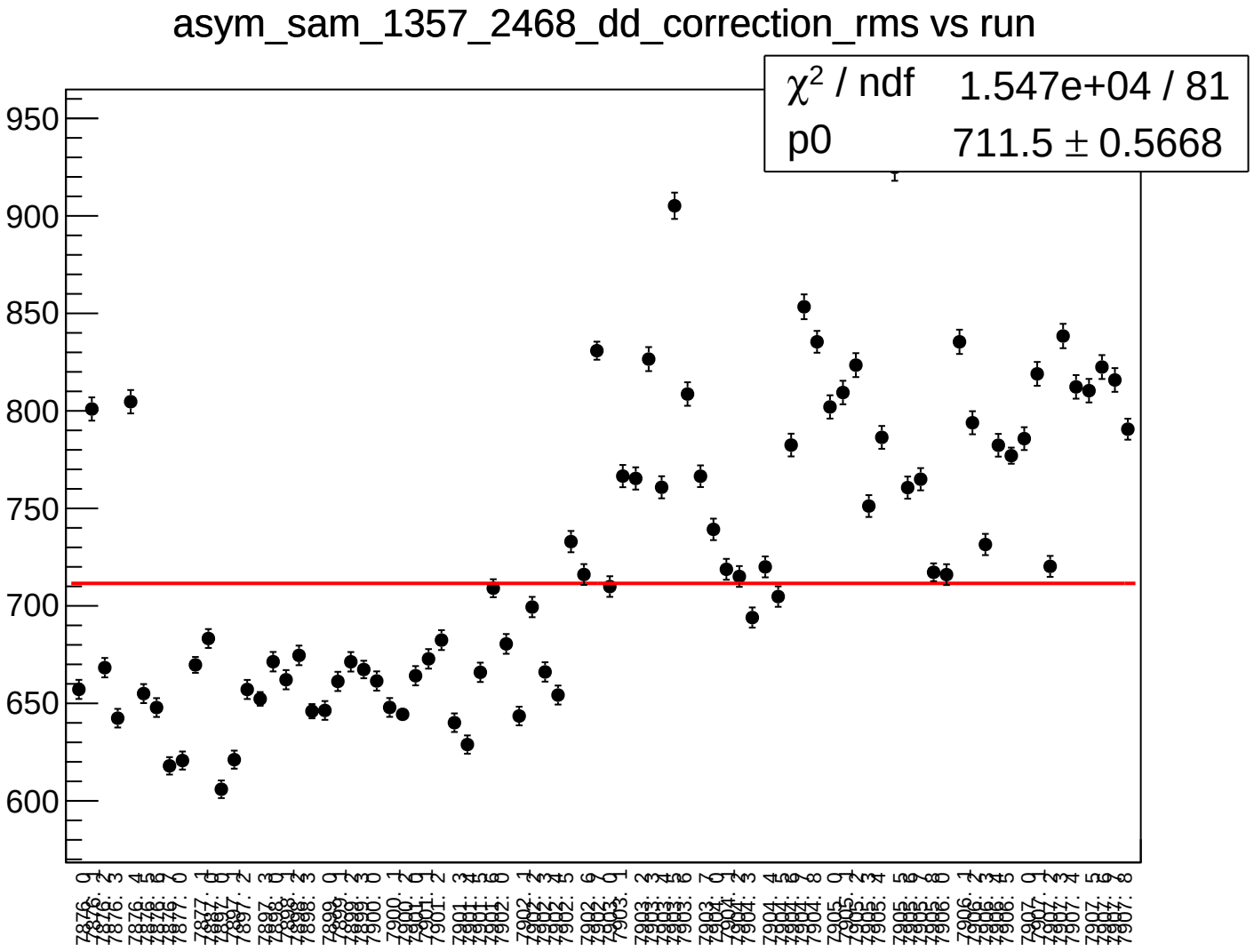

asym_sam_2468_avg_rms vs run
χ² / ndf 1.3e+04 / 81
p0 2674 ± 2.128
3400
3200
3000
2800
2600
2400

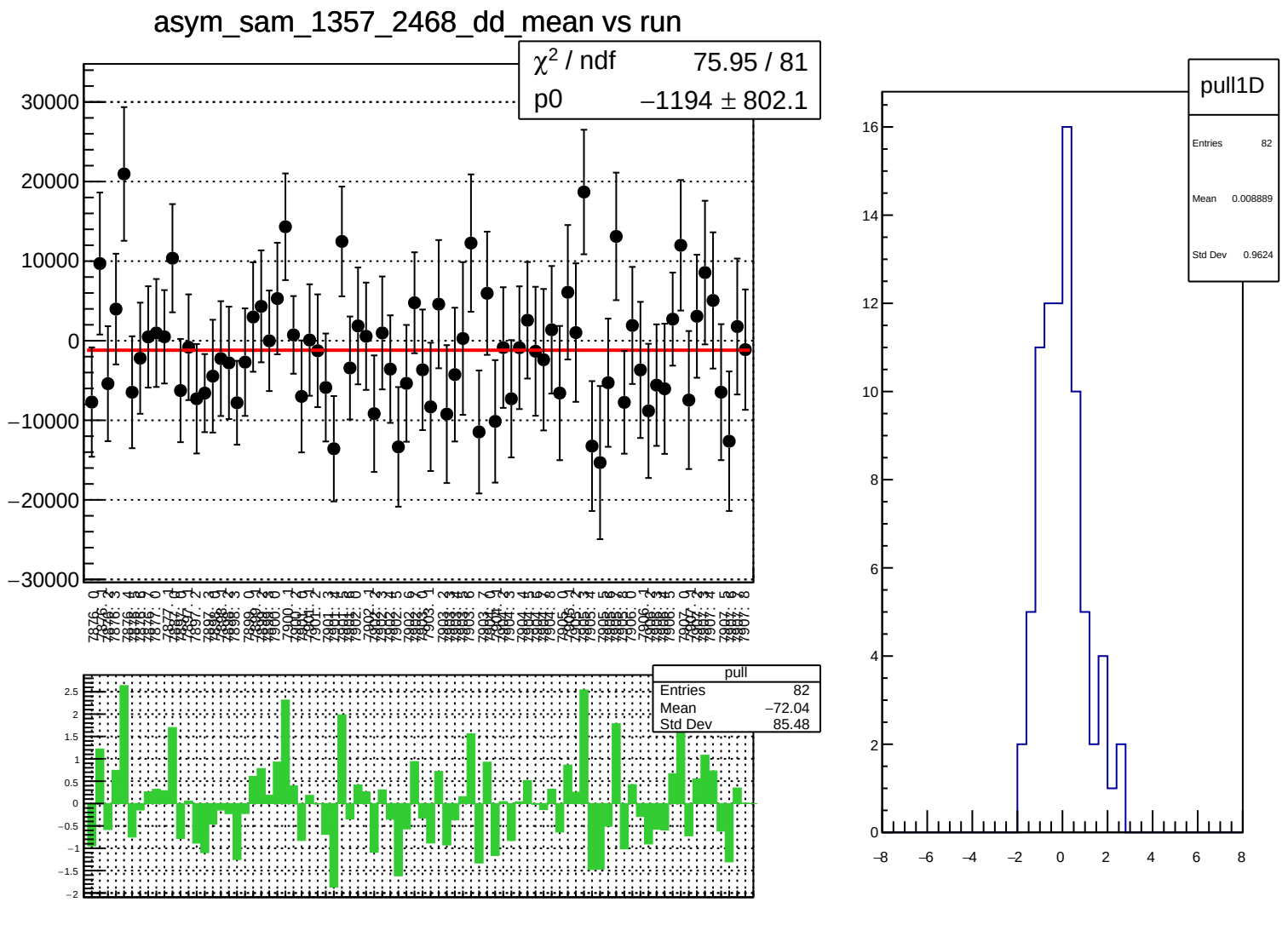

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 73.03 / 81
p0 −16.17 ± 57.04
pull
Entries 82
Mean −793.6
Std Dev 828.2


pull1D
Entries 82
Mean −0.004668
Std Dev 0.9437

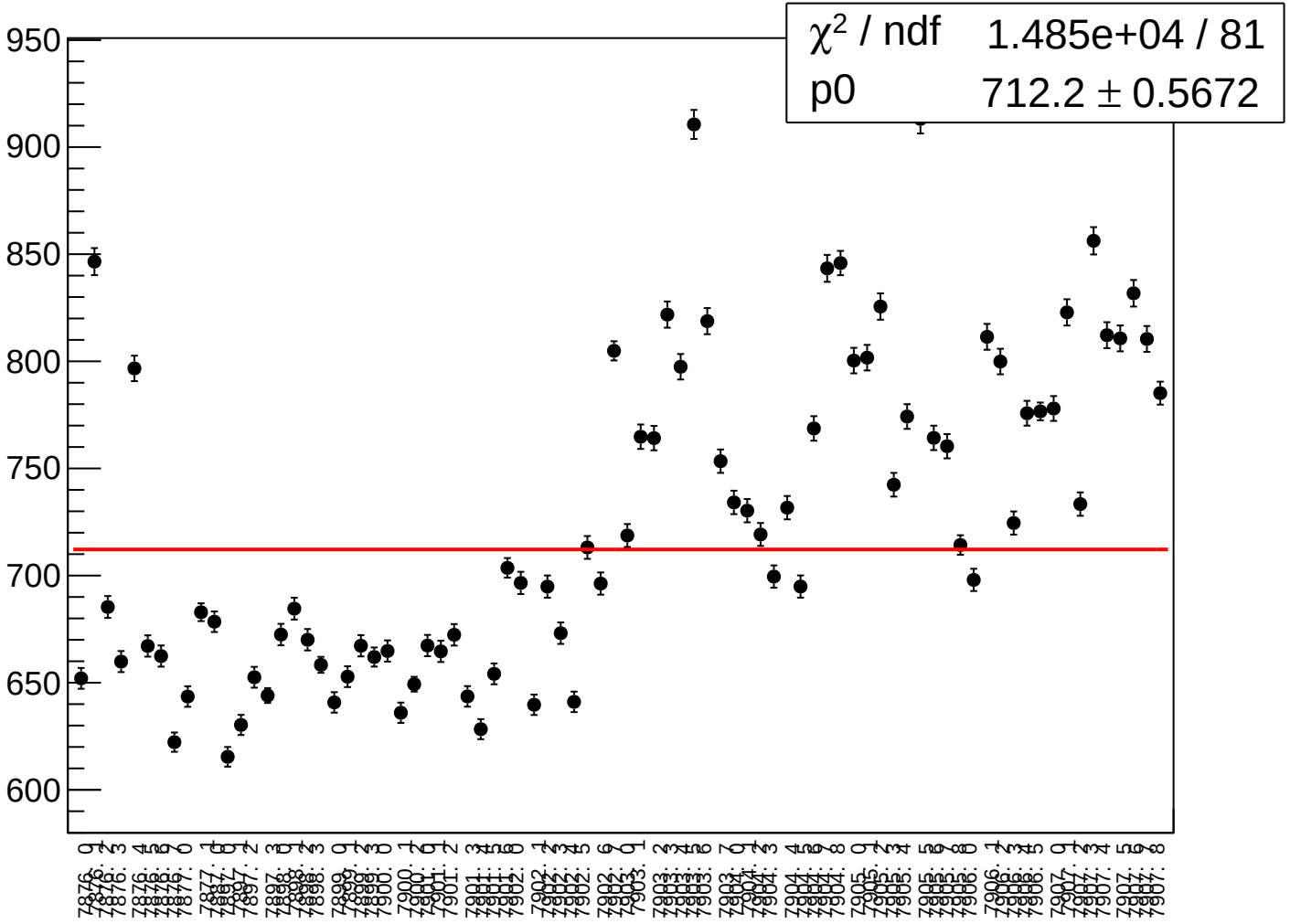

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.033e+04 / 81
p0 50.56 ± 0.04034
80
75
70
65
60
55
50
45
40

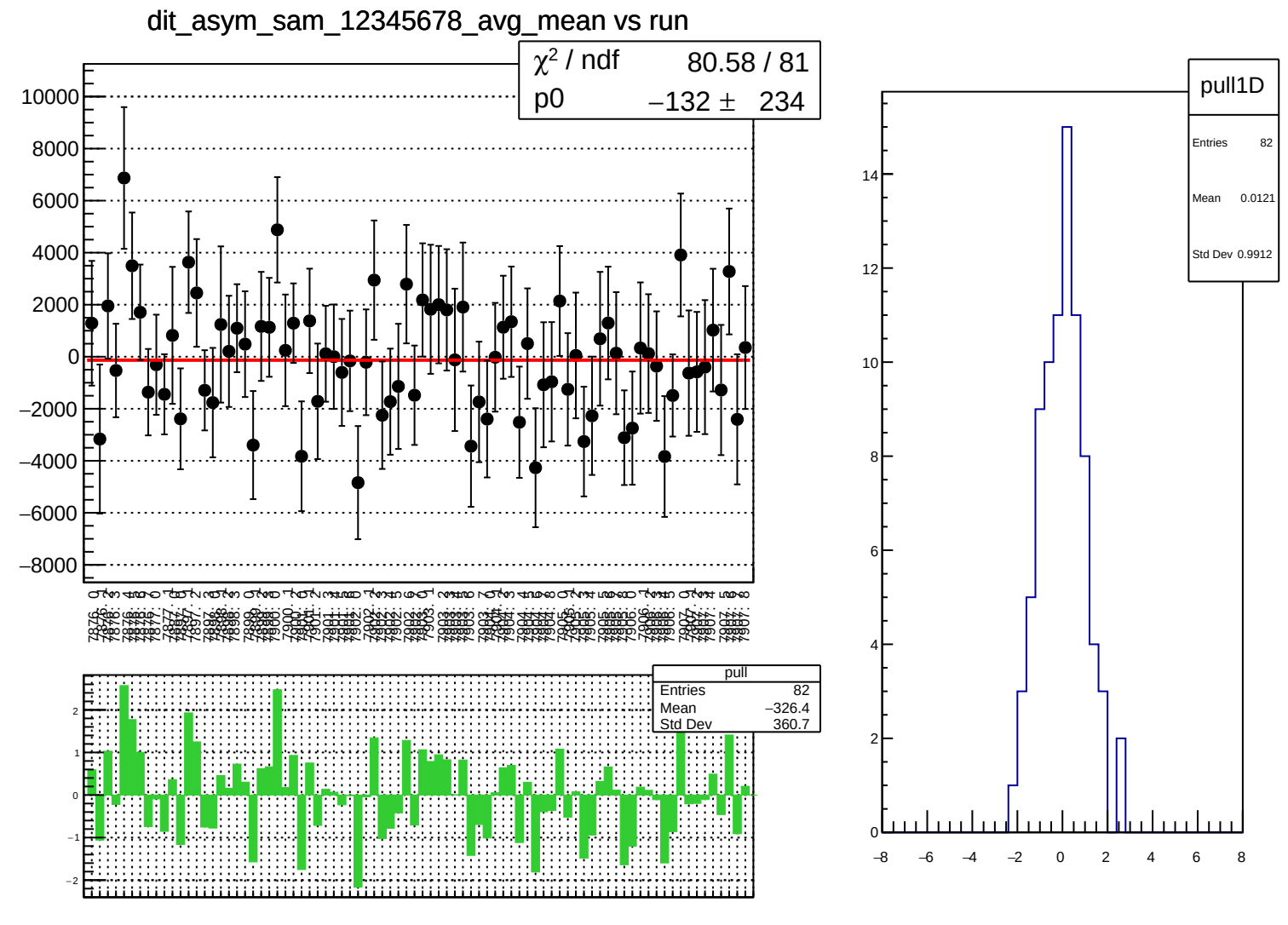

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 75.05 / 81
p0 1179 ± 801.5
pull
Entries 82
Mean −90.13
Std Dev 107.3
pull1D
Entries 82
Mean −0.009763
Std Dev 0.9567


asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.547e+04 / 81
p0 711.5 ± 0.5668
950
900
850
800
750
700
650
600

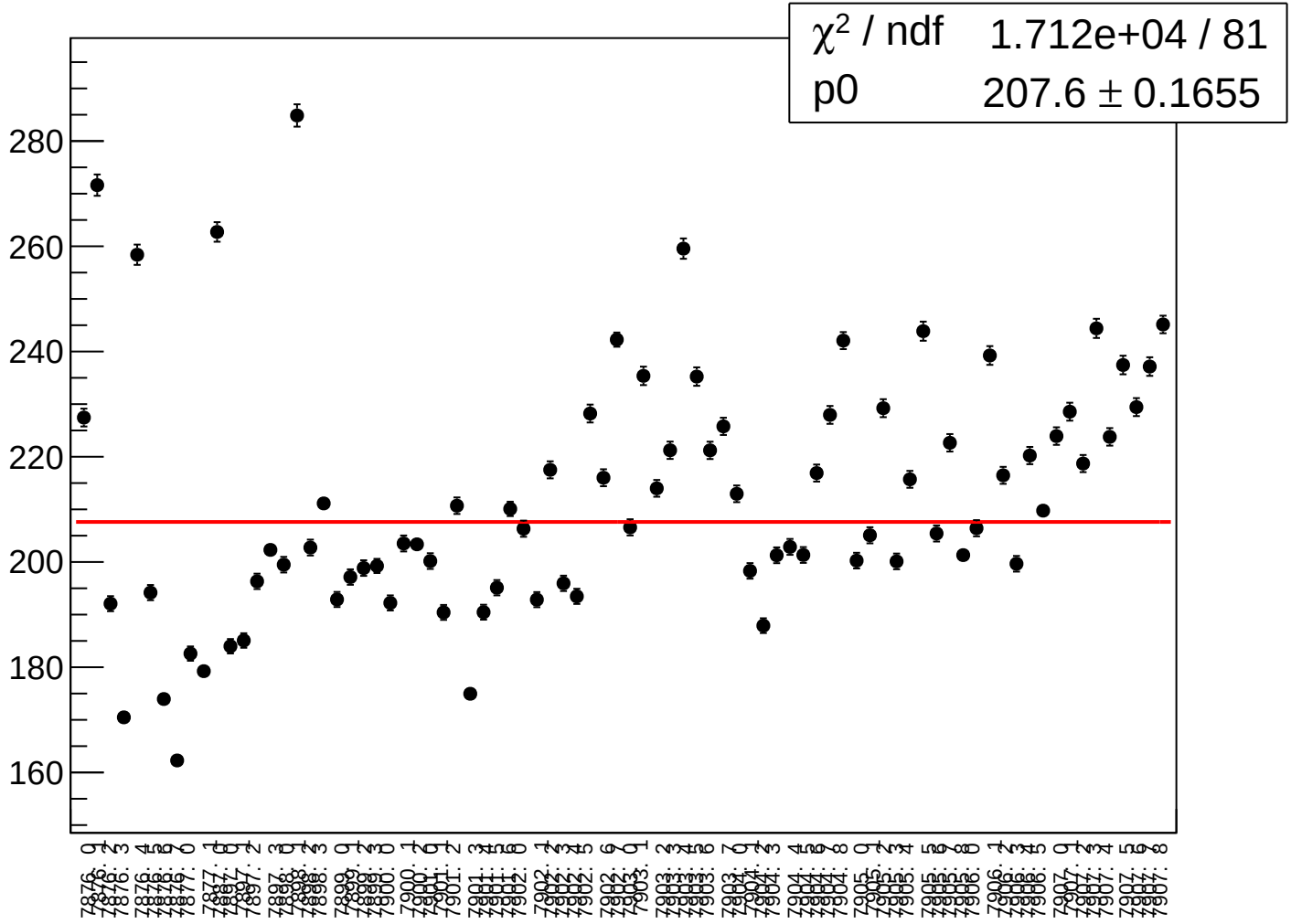

asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 75.95 / 81
p0 −1194 ± 802.1
pull
Entries 82
Mean −72.04
Std Dev 85.48
pull1D
Entries 82
Mean 0.008889
Std Dev 0.9624

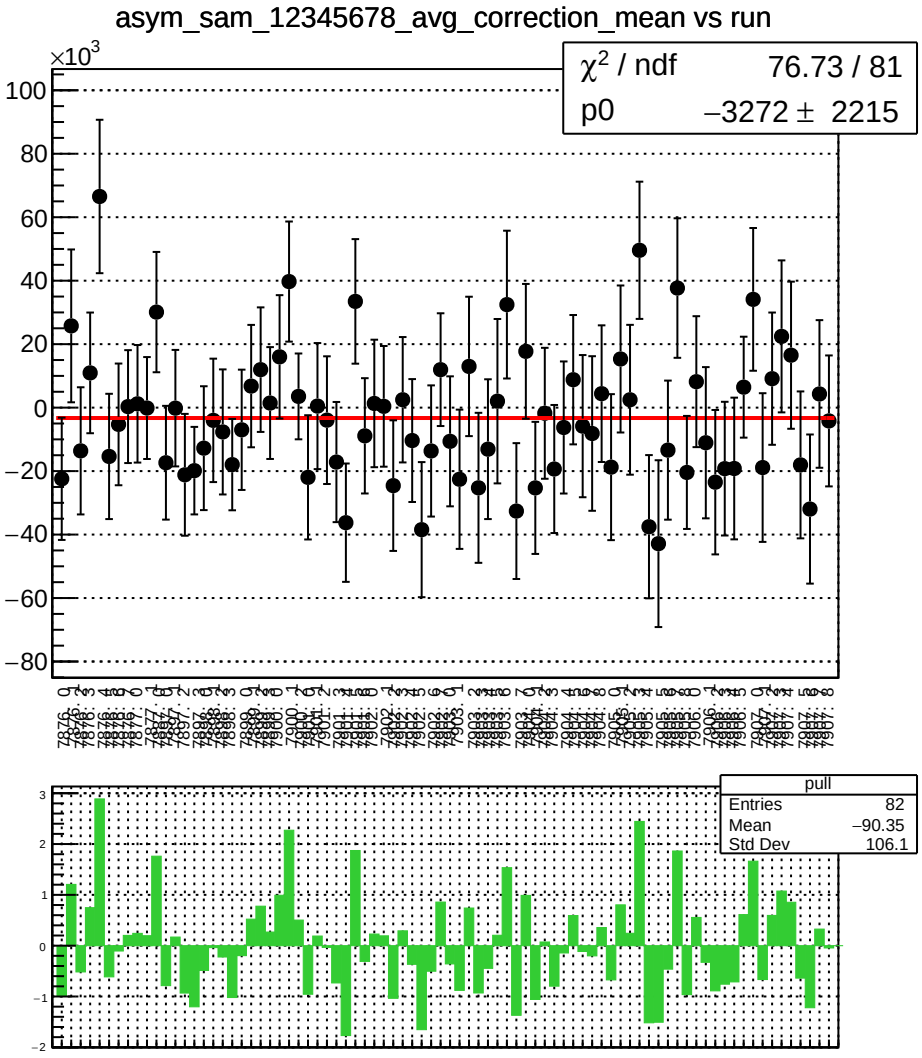
asym_sam_1357_2468_dd_rms vs run

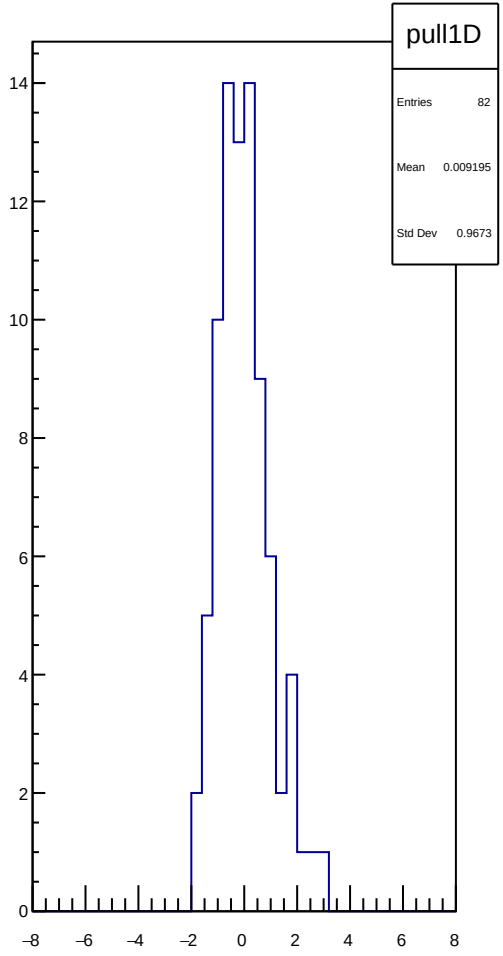


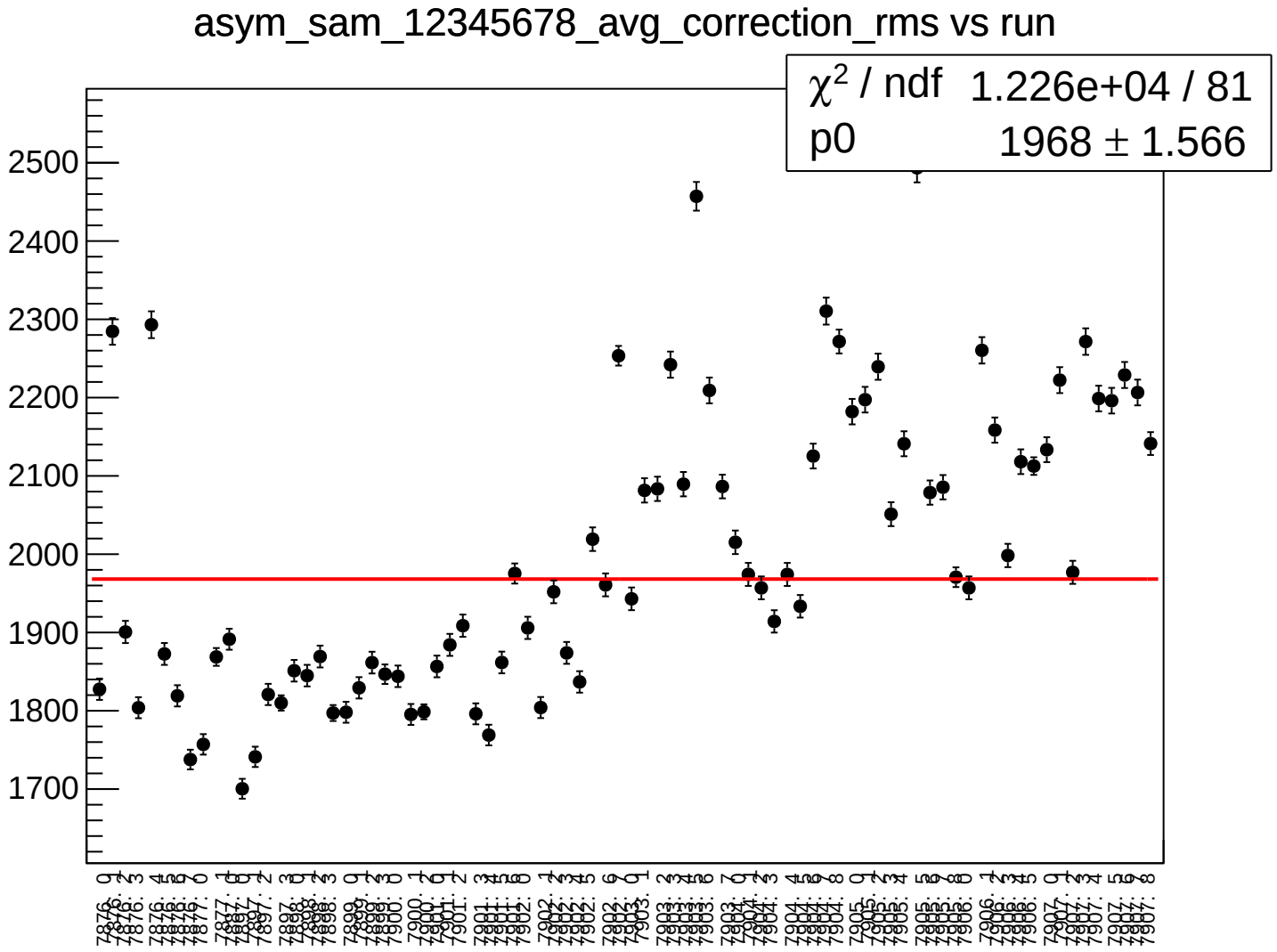

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 80.58 / 81
p0 −132 ± 234
pull
Entries 82
Mean −326.4
Std Dev 360.7
pull1D
Entries 82
Mean 0.0121
Std Dev 0.9912

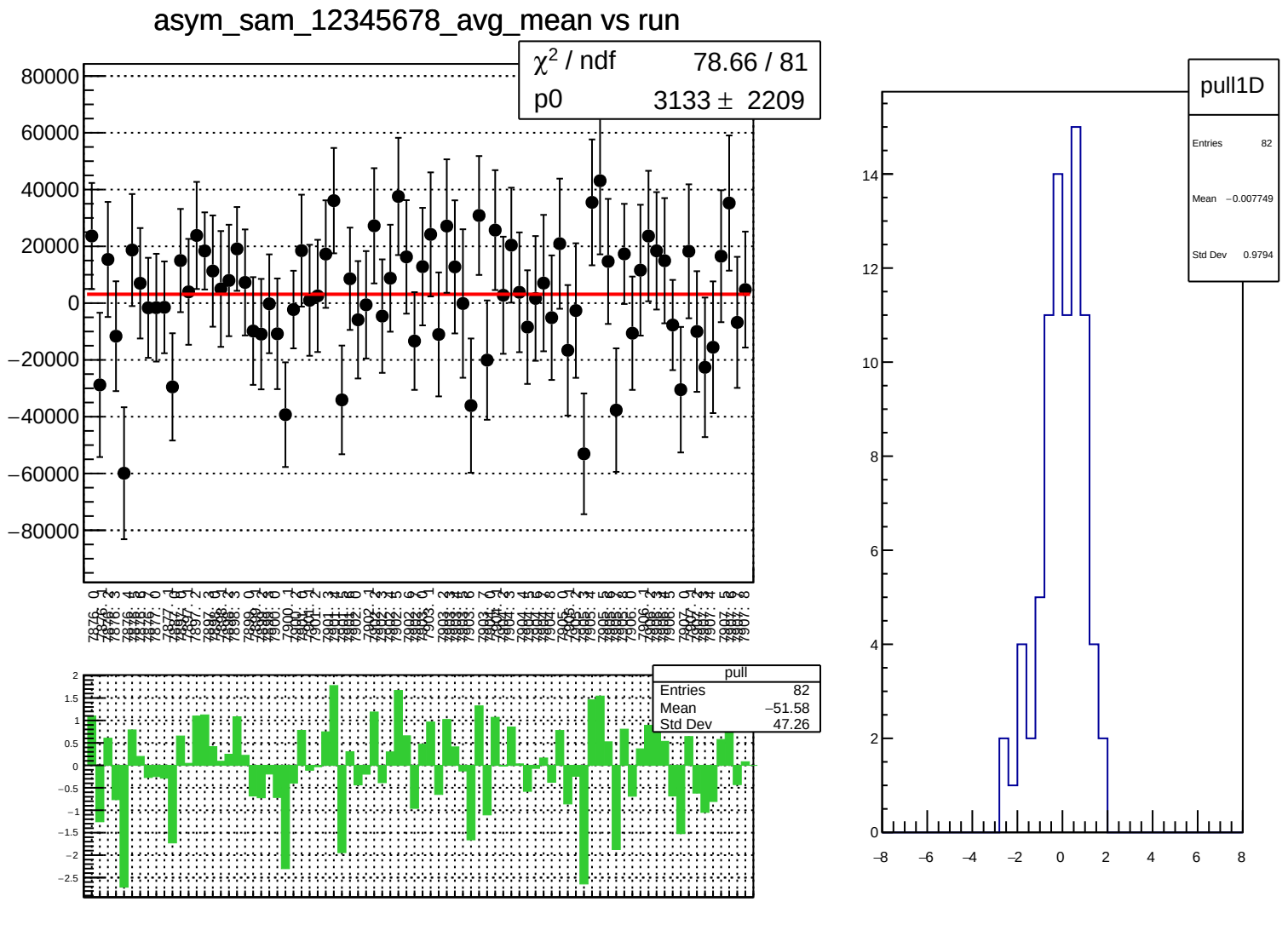
dit_asym_sam_12345678_avg_rms vs run



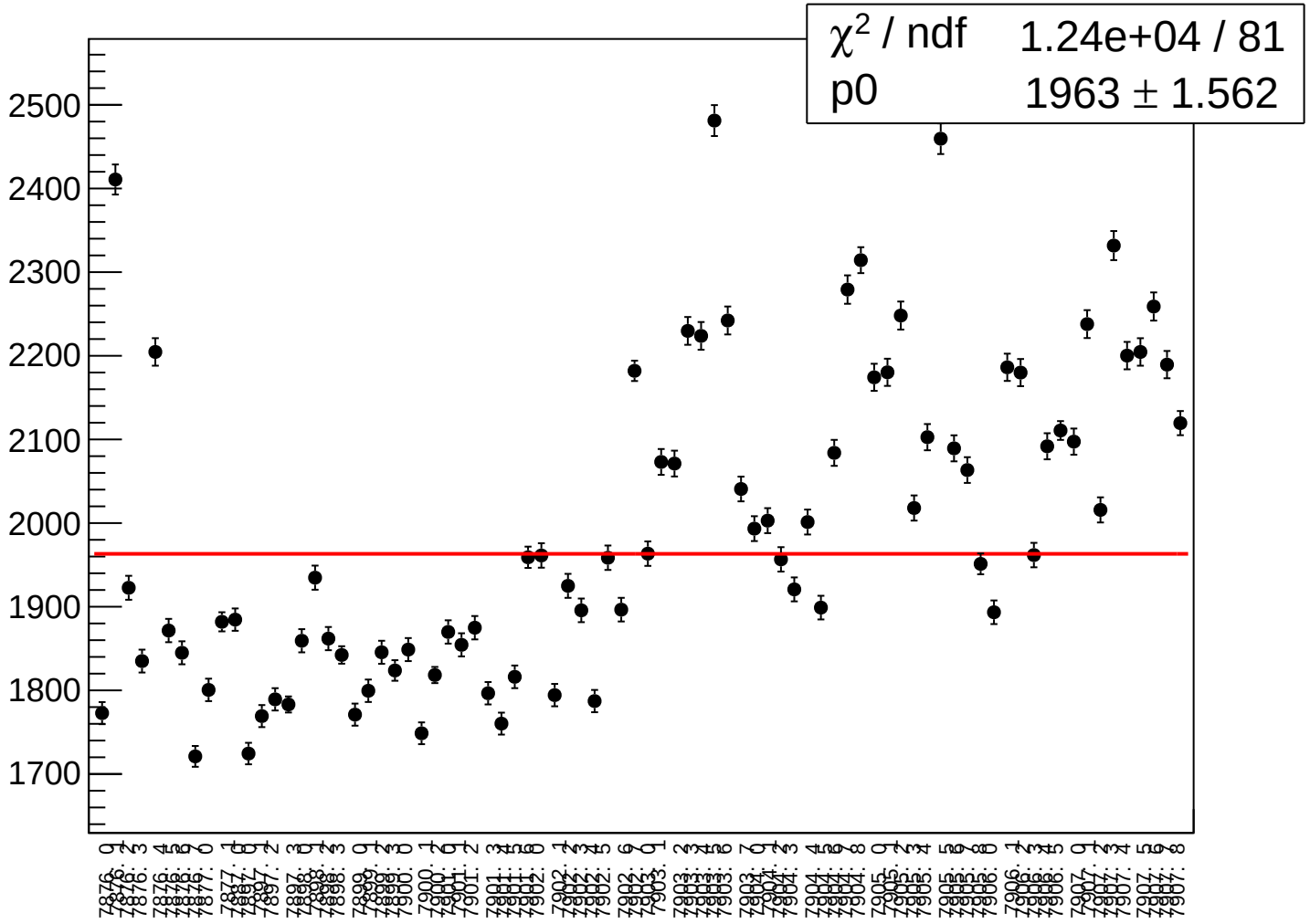

asym_sam_12345678_avg_correction_mean vs run
×10^3
χ² / ndf 76.73 / 81
p0 −3272 ± 2215
pull
Entries 82
Mean −90.35
Std Dev 106.1

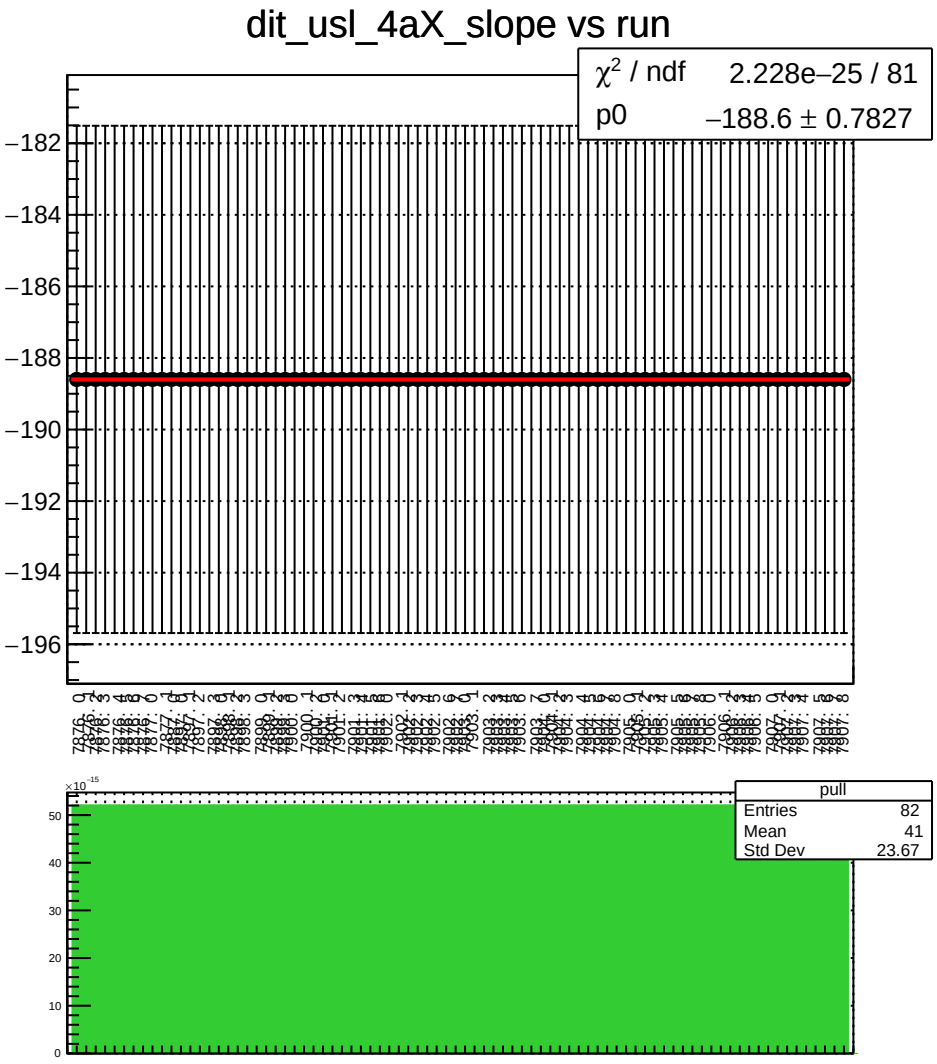

pull1D
Entries 82
Mean 0.009195
Std Dev 0.9673

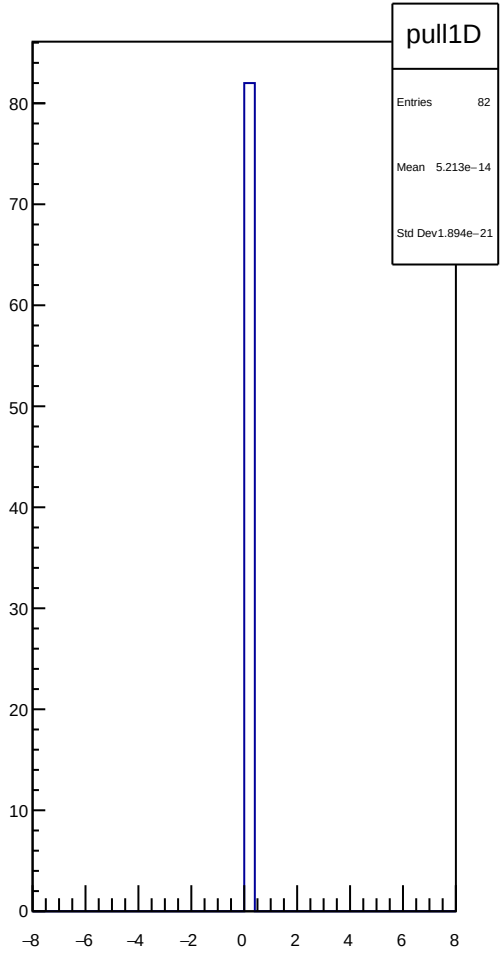

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 1.226e+04 / 81
p0 1968 ± 1.566
2500
2400
2300
2200
2100
2000
1900
1800
1700

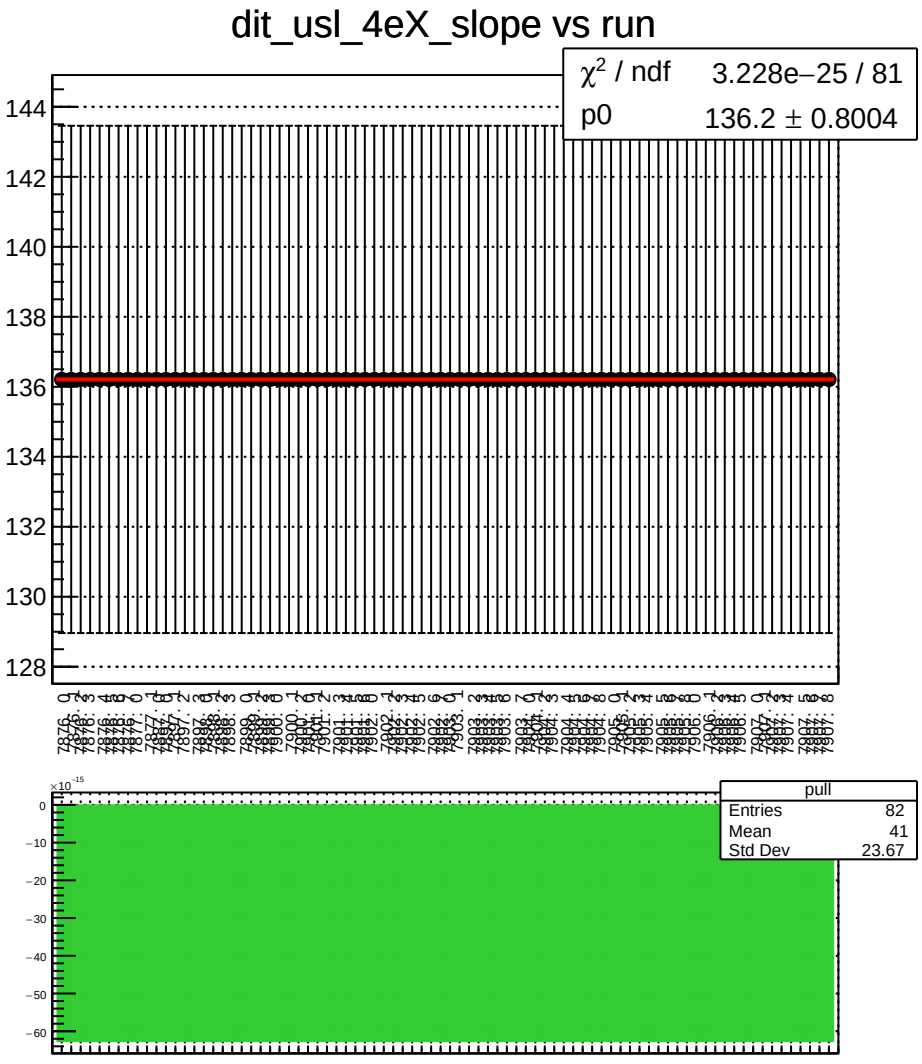

asym_sam_12345678_avg_mean vs run
χ² / ndf 78.66 / 81
p0 3133 ± 2209
pull
Entries 82
Mean −51.58
Std Dev 47.26
pull1D
Entries 82
Mean −0.007749
Std Dev 0.9794

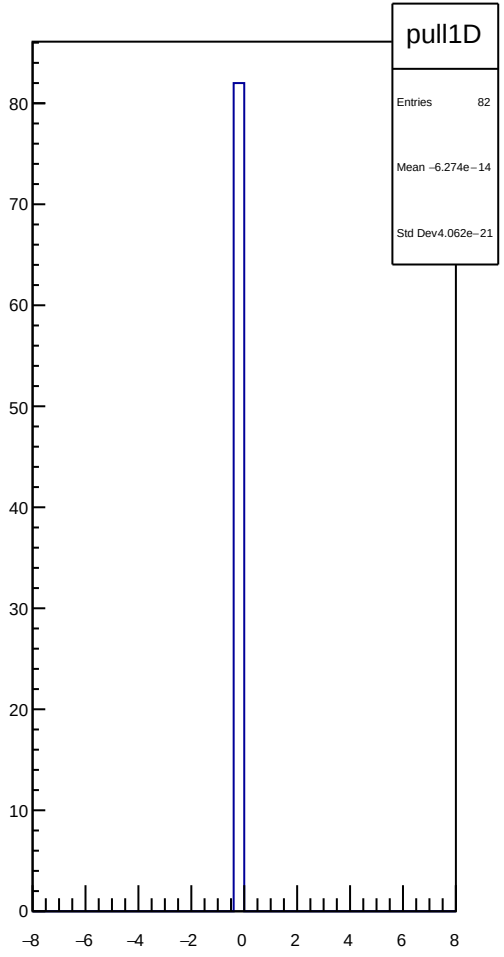
asym_sam_12345678_avg_rms vs run

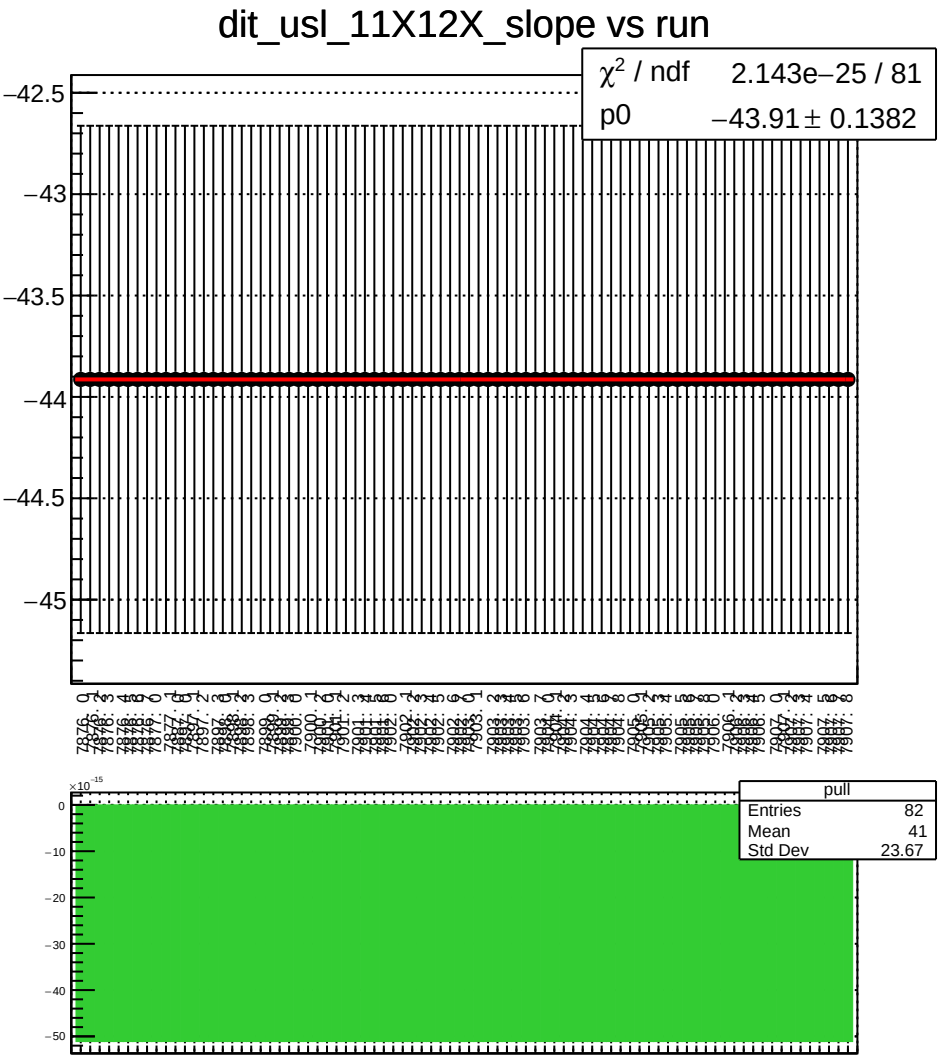


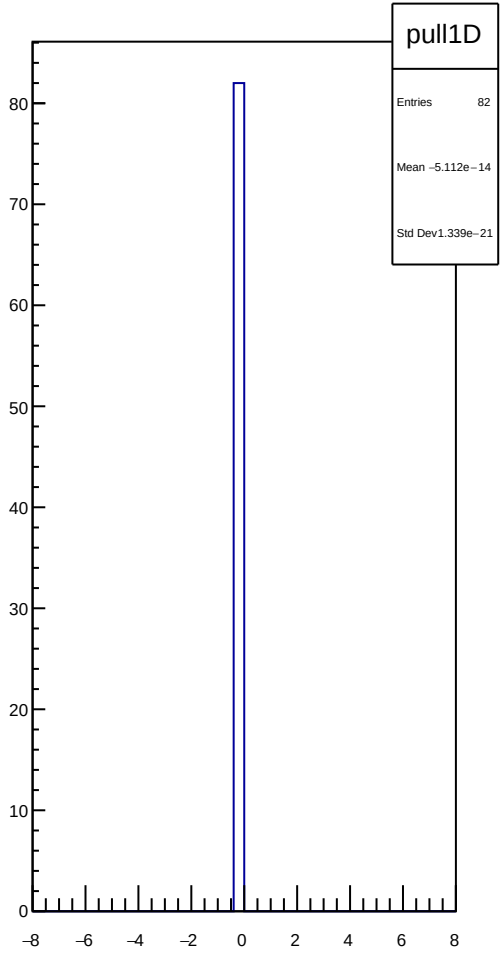

dit_usl_4aX_slope vs run
χ^2 / ndf 2.228e−25 / 81
p0 −188.6 ± 0.7827
−182
−184
−186
−188
−190
−192
−194
−196
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
50
40
30
20
10
0

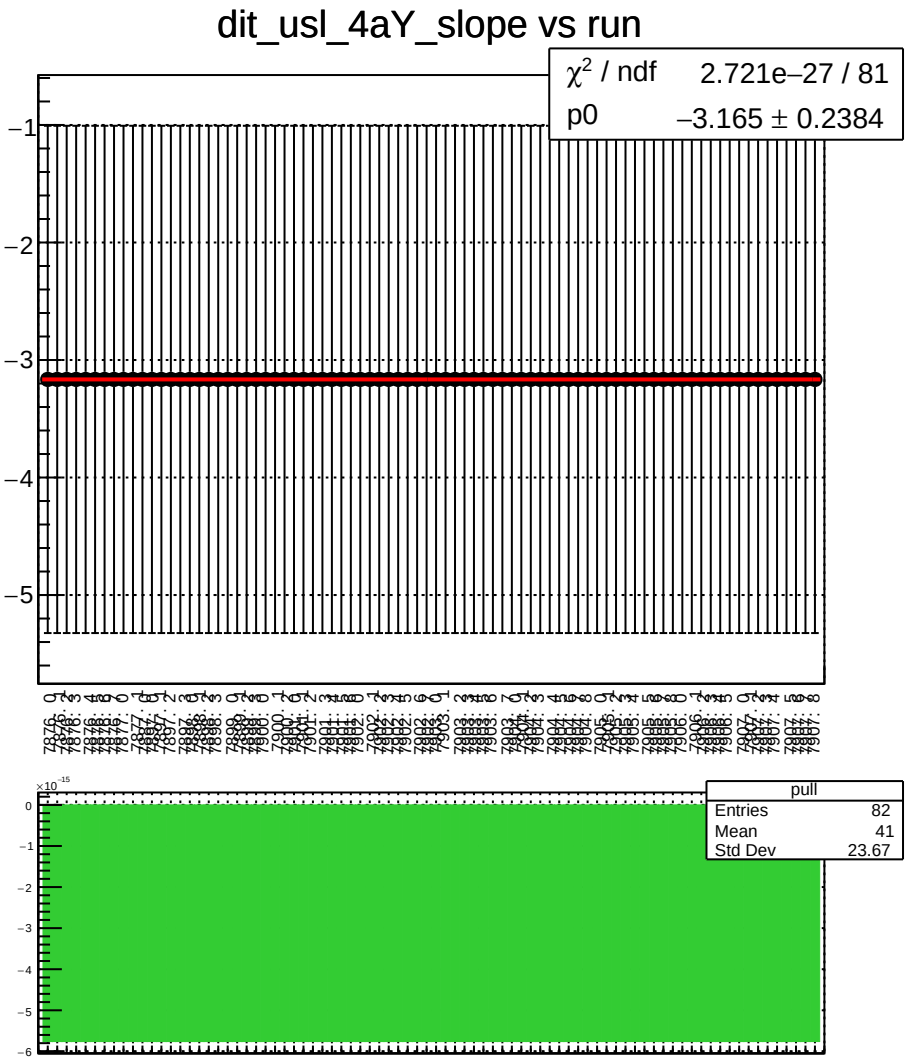

pull1D
Entries 82
Mean 5.213e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

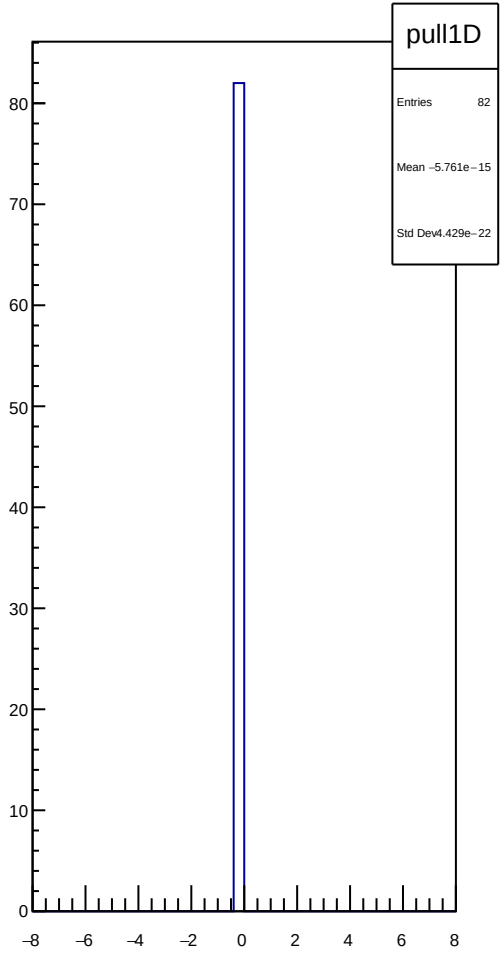

dit_usl_4eX_slope vs run
χ^2 / ndf 3.228e−25 / 81
p0 136.2 ± 0.8004
144
142
140
138
136
134
132
130
128
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−10
−20
−30
−40
−50
−60

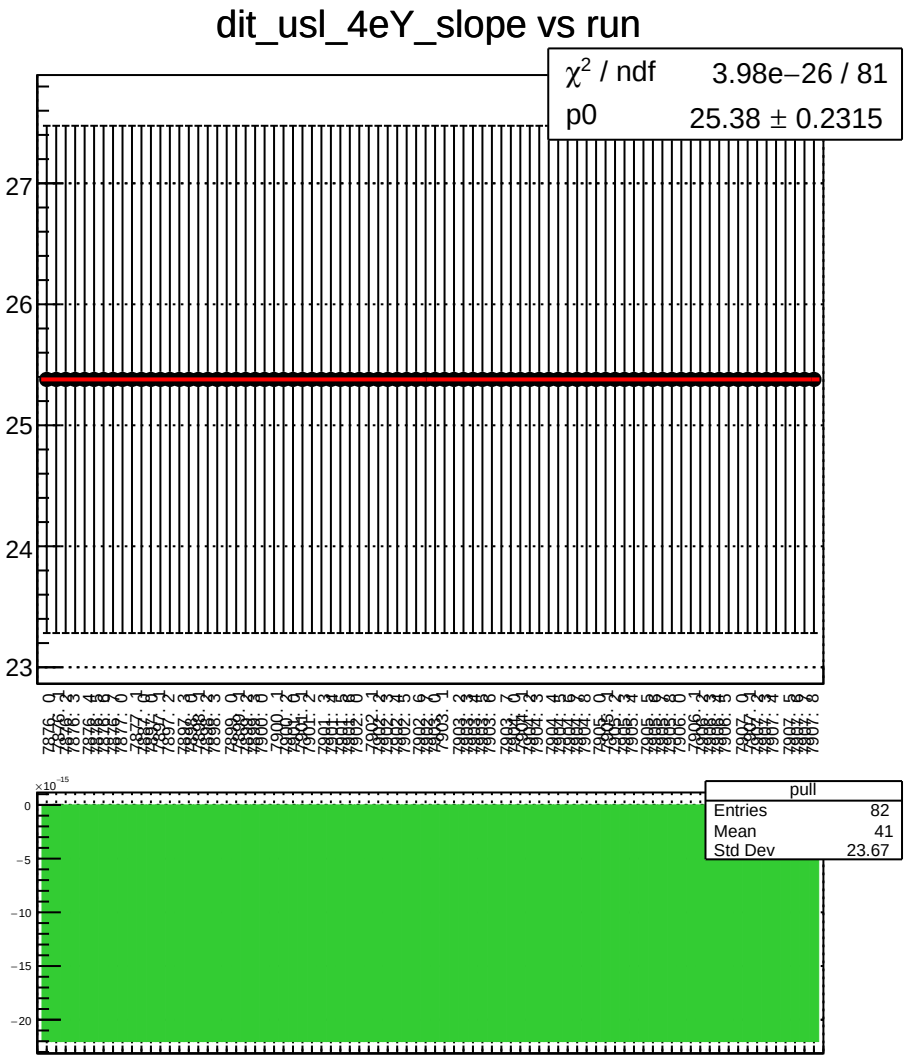

pull1D
Entries 82
Mean −6.274e−14
Std Dev4.062e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

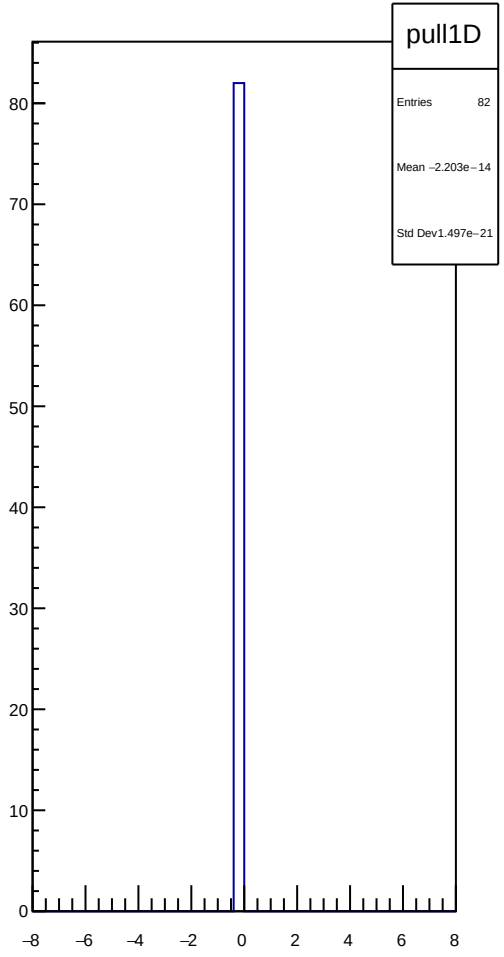

dit_usl_11X12X_slope vs run
χ^2 / ndf 2.143e−25 / 81
p0 −43.91 ± 0.1382
−42.5
−43
−43.5
−44
−44.5
−45
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−10
−20
−30
−40
−50

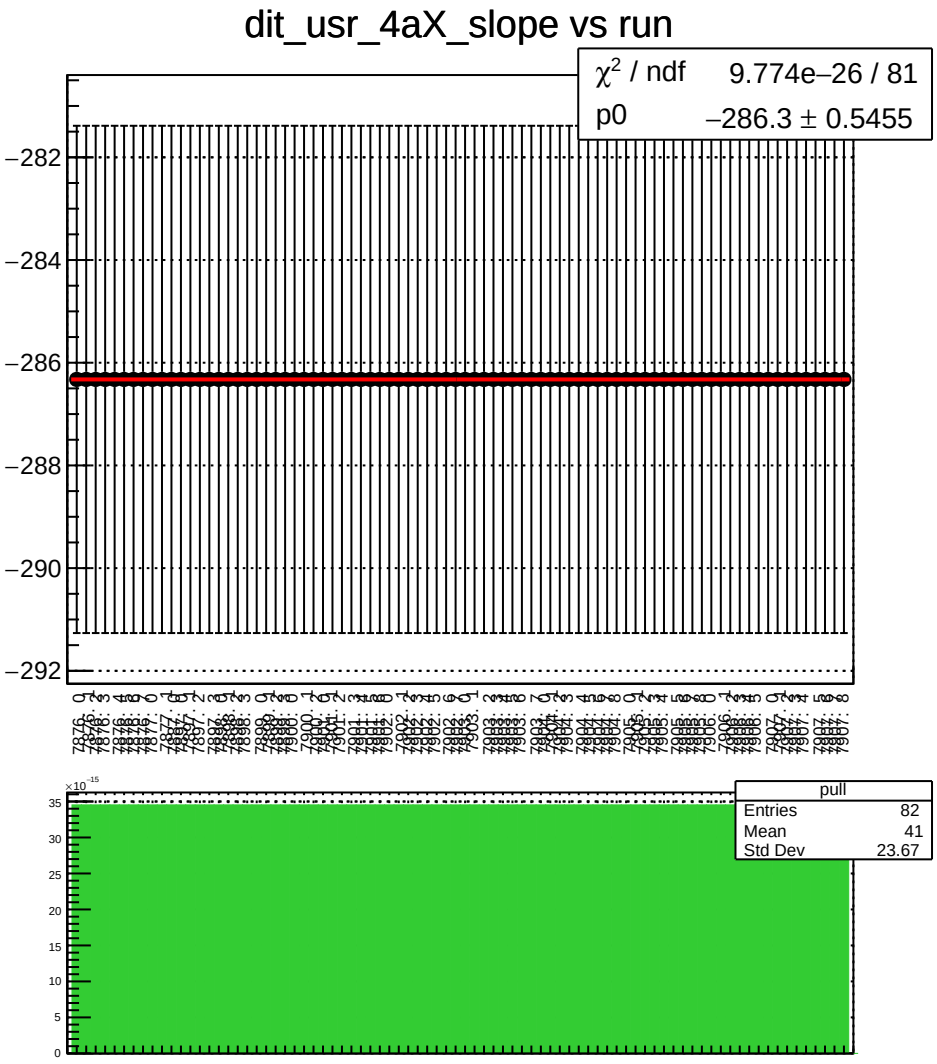

pull1D
Entries 82
Mean −5.112e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

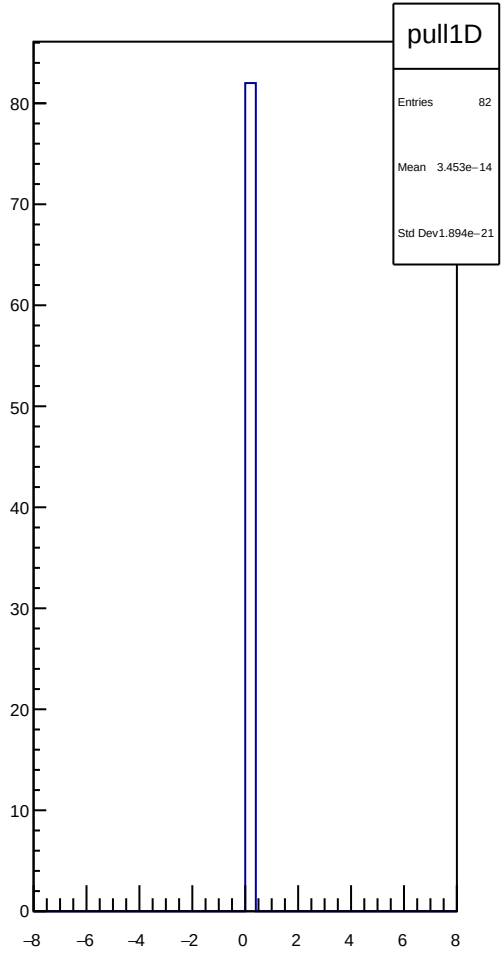

dit_usl_4aY_slope vs run
χ^2 / ndf 2.721e–27 / 81
p0 –3.165 ± 0.2384
pull
Entries 82
Mean 41
Std Dev 23.67


pull1D
Entries 82
Mean –5.761e–15
Std Dev4.429e–22

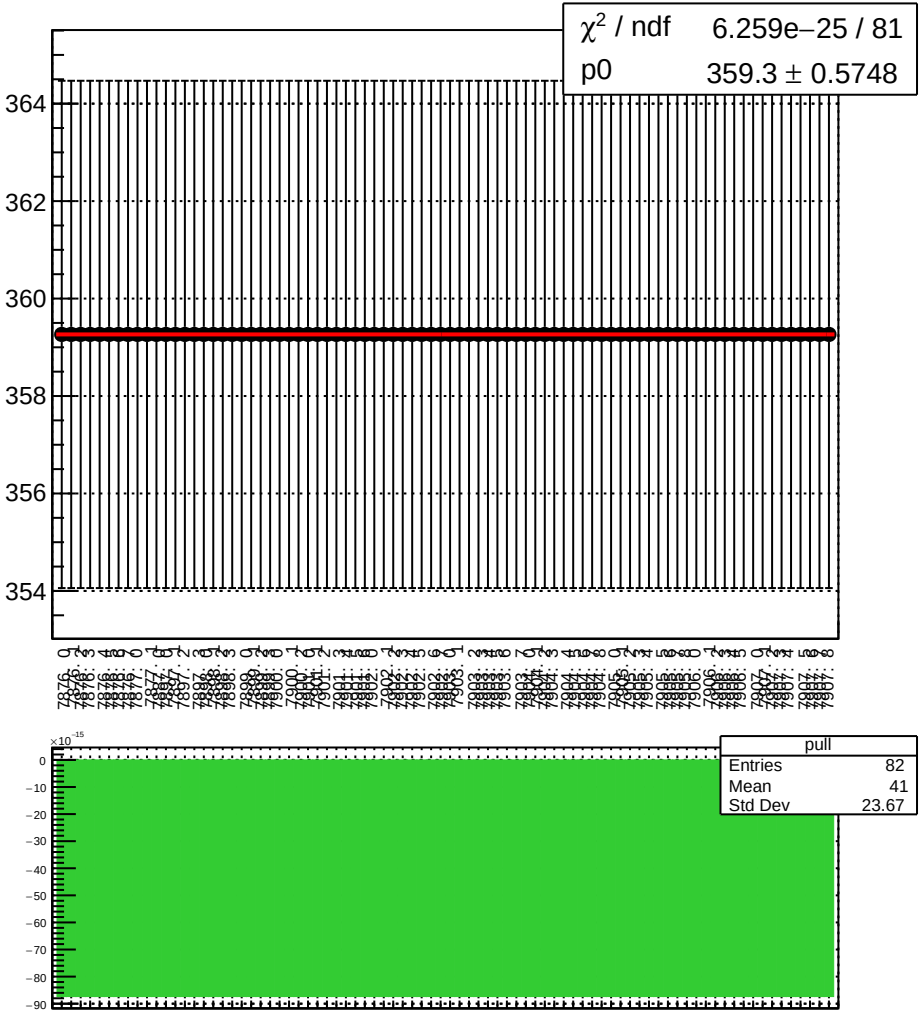

dit_usl_4eY_slope vs run
χ^2 / ndf 3.98e−26 / 81
p0 25.38 ± 0.2315
27
26
25
24
23
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−5
−10
−15
−20

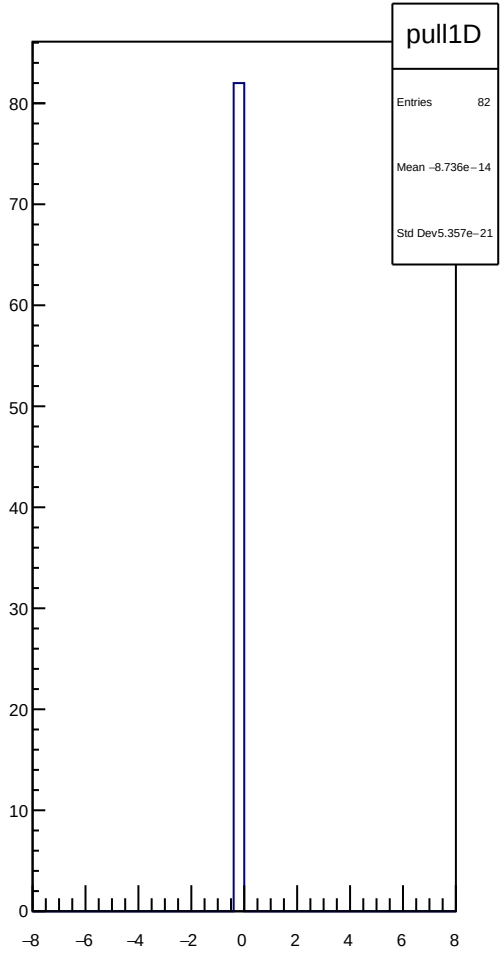

pull1D
Entries 82
Mean −2.203e−14
Std Dev1.497e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

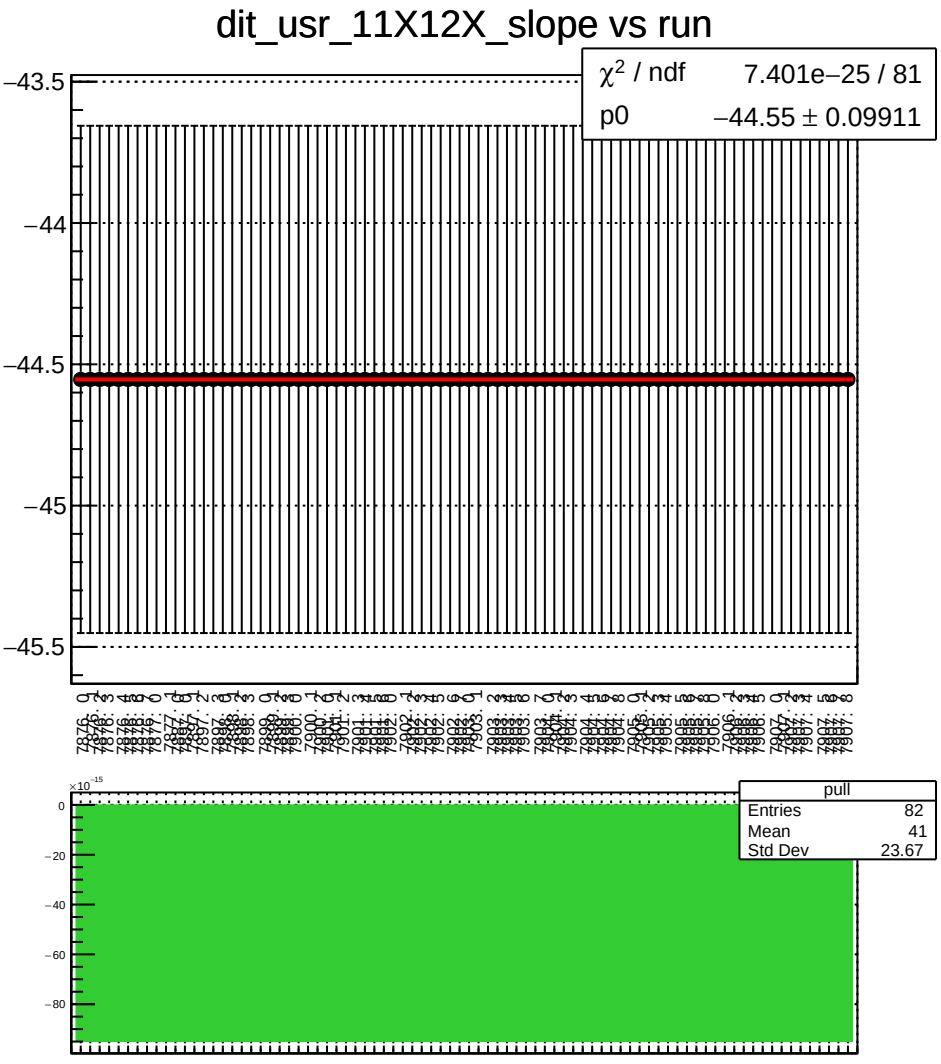

dit_usr_4aX_slope vs run
χ^2 / ndf 9.774e−26 / 81
p0 −286.3 ± 0.5455
−282
−284
−286
−288
−290
−292
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
35
30
25
20
15
10
5
0

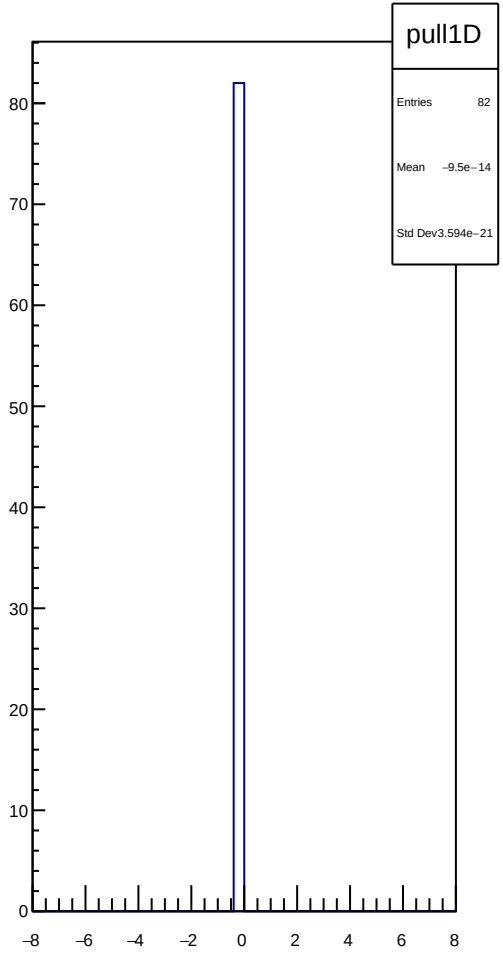

pull1D
Entries 82
Mean 3.453e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run

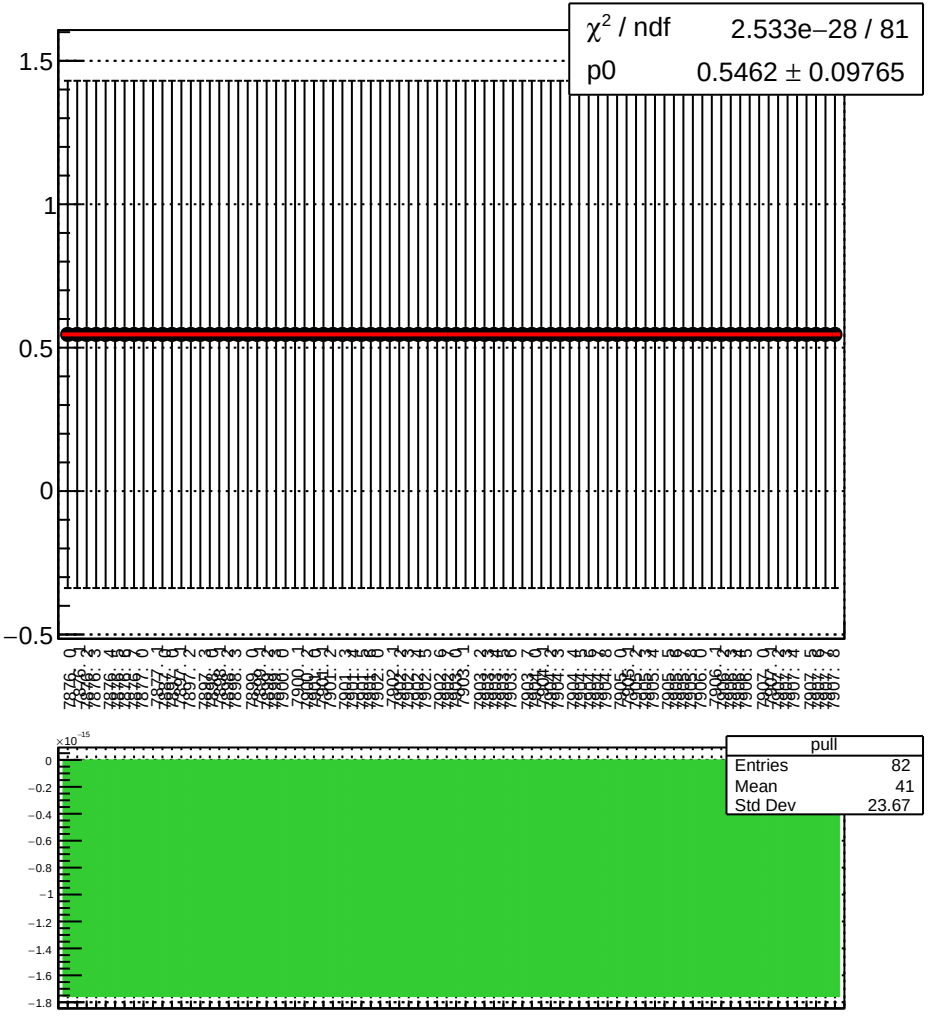


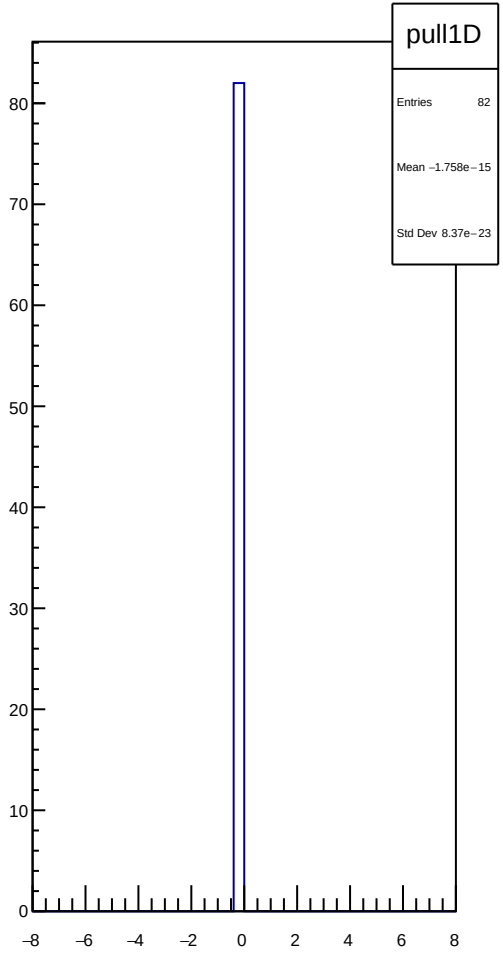



dit_usr_11X12X_slope vs run
χ^2 / ndf 7.401e−25 / 81
p0 −44.55 ± 0.09911
−43.5
−44
−44.5
−45
−45.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−20
−40
−60
−80

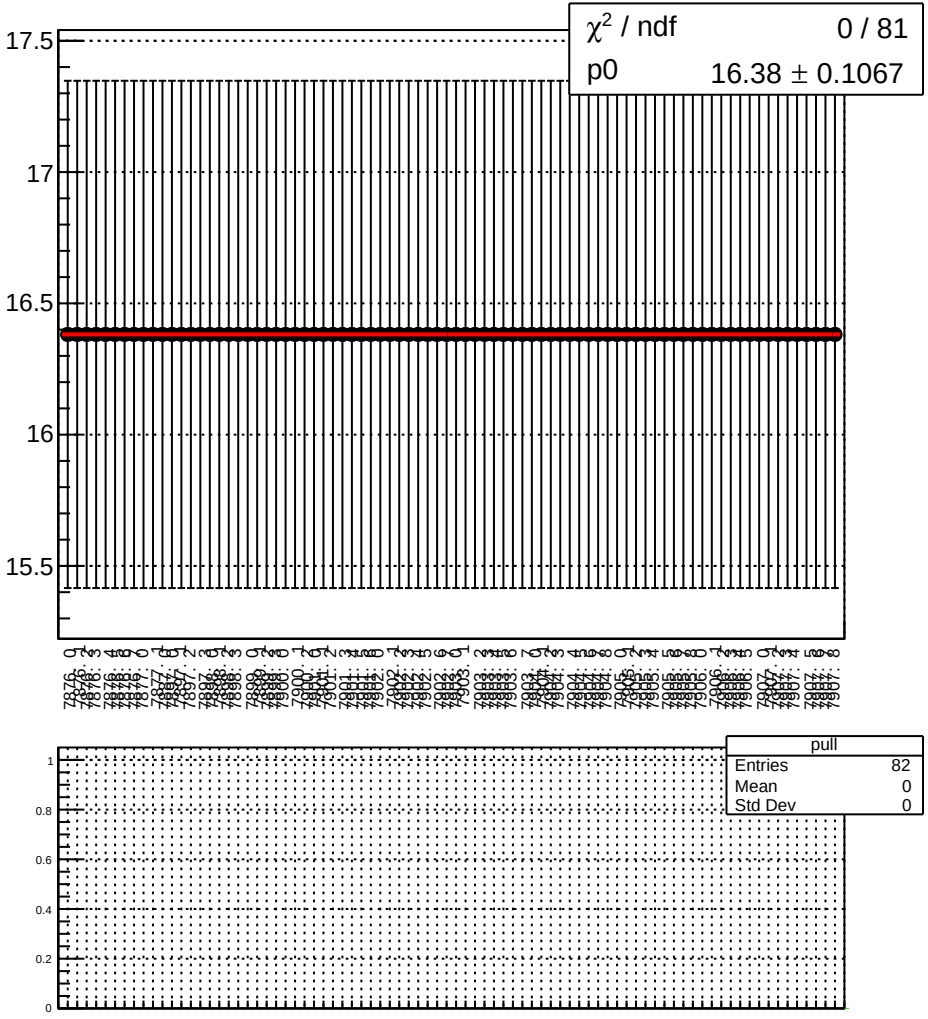

pull1D
Entries 82
Mean −9.5e−14
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

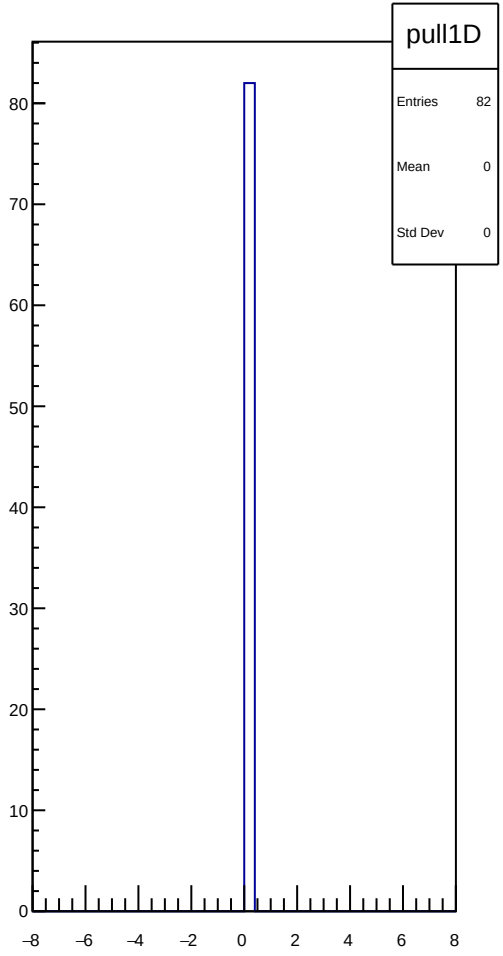
dit_usr_4aY_slope vs run

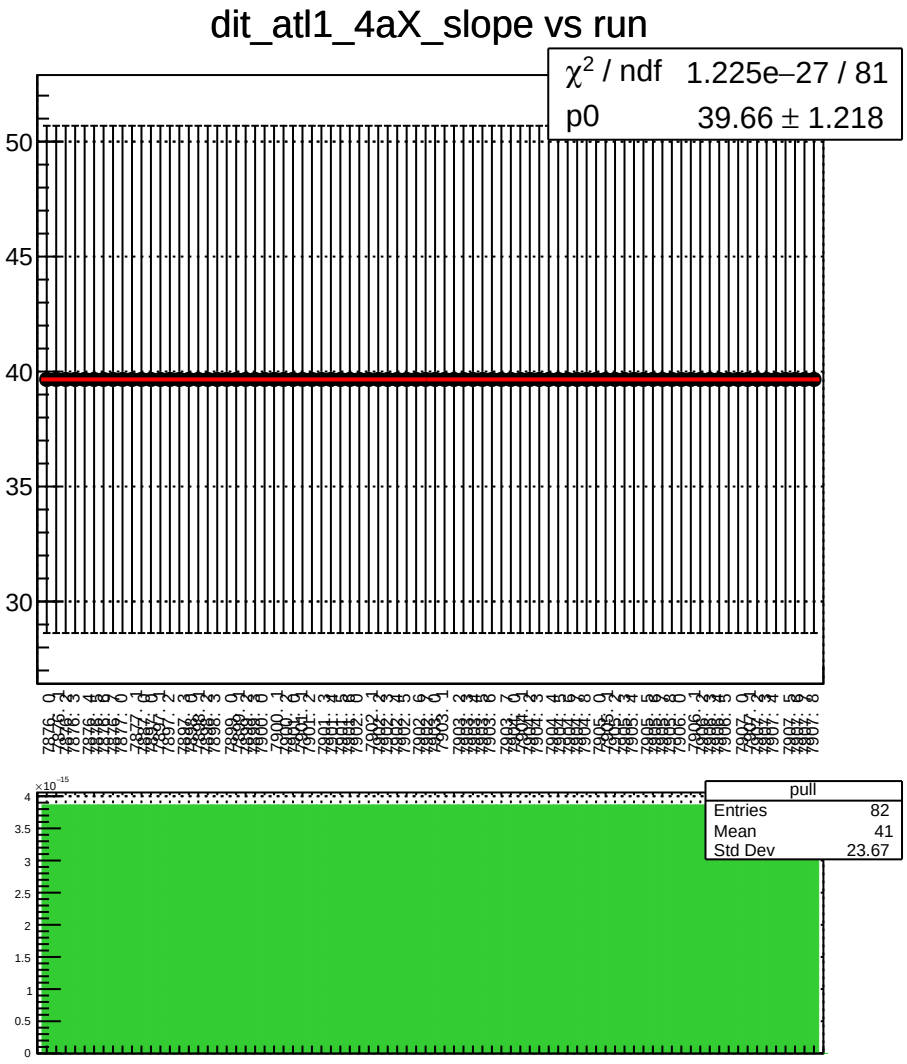


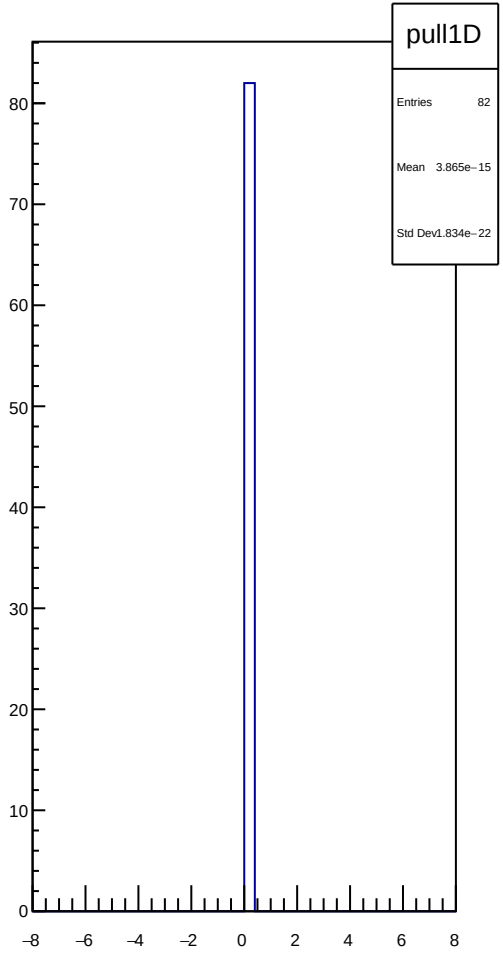


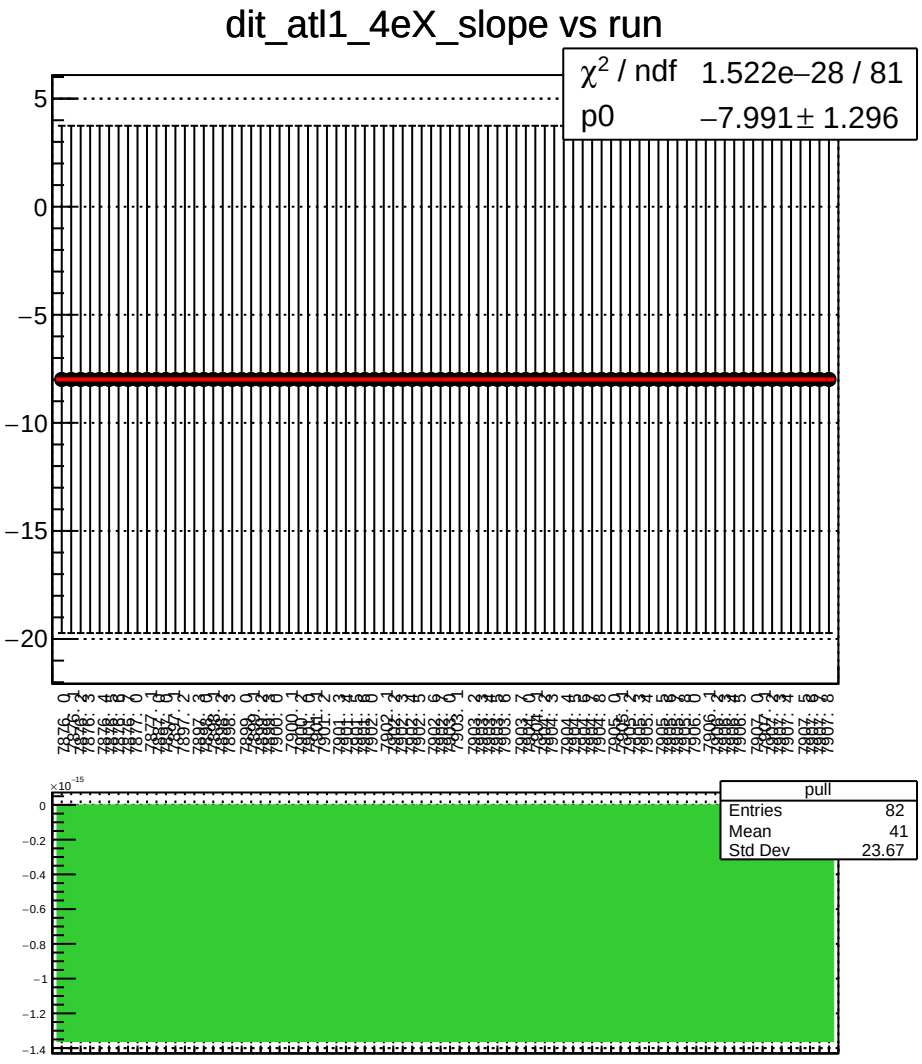
dit_usr_4eY_slope vs run

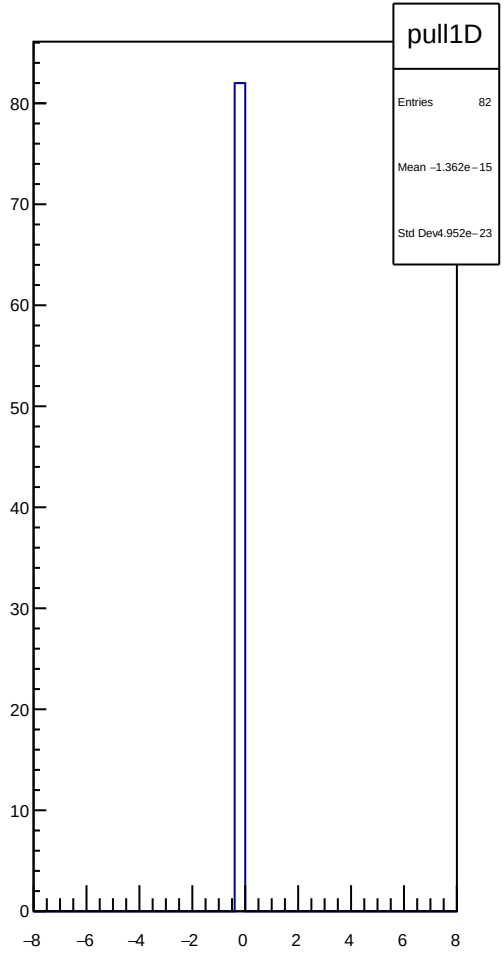


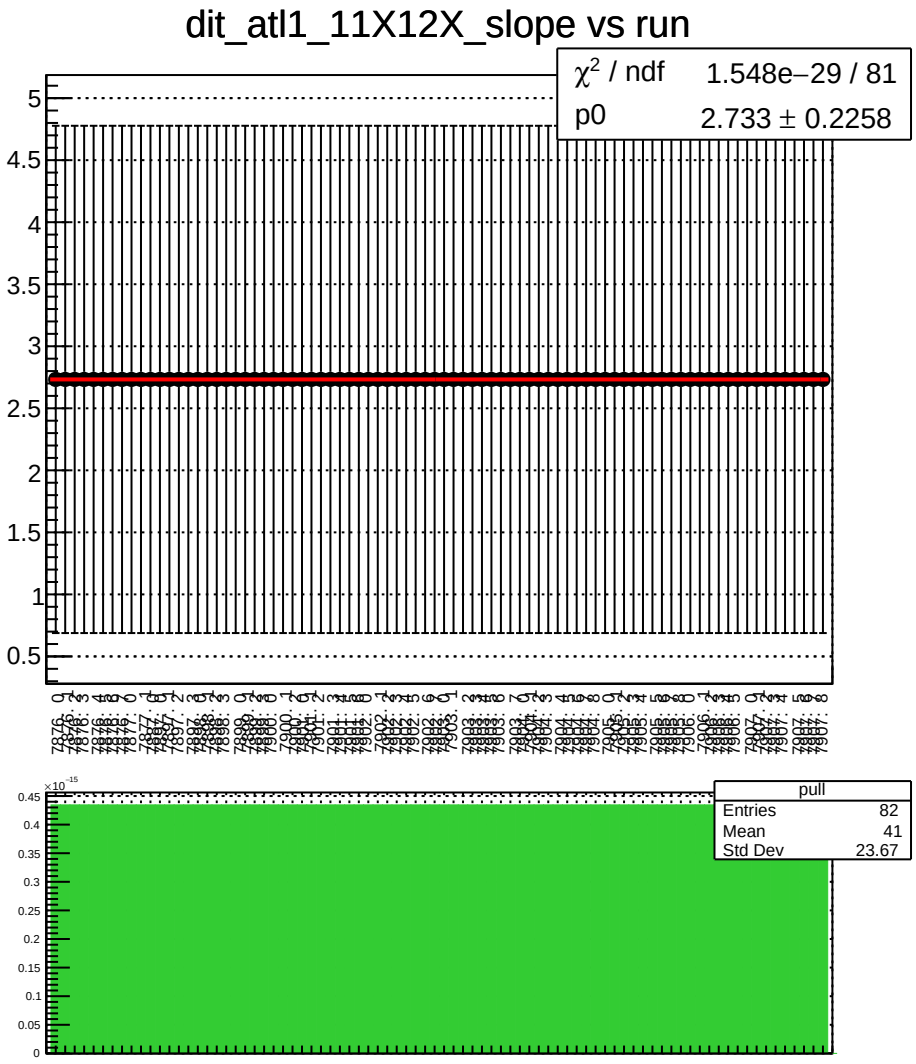


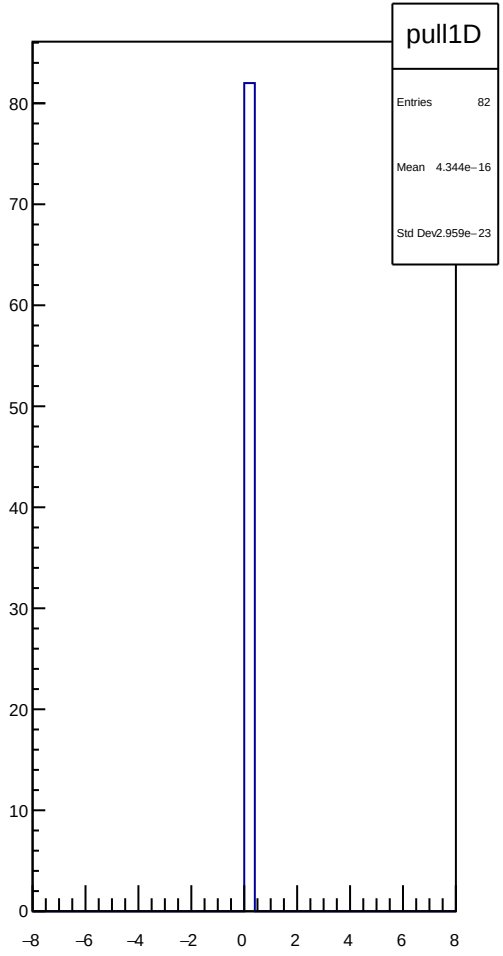

dit_atl1_4aX_slope vs run
χ^2 / ndf 1.225e−27 / 81
p0 39.66 ± 1.218
50
45
40
35
30
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-15}$
4
3.5
3
2.5
2
1.5
1
0.5
0

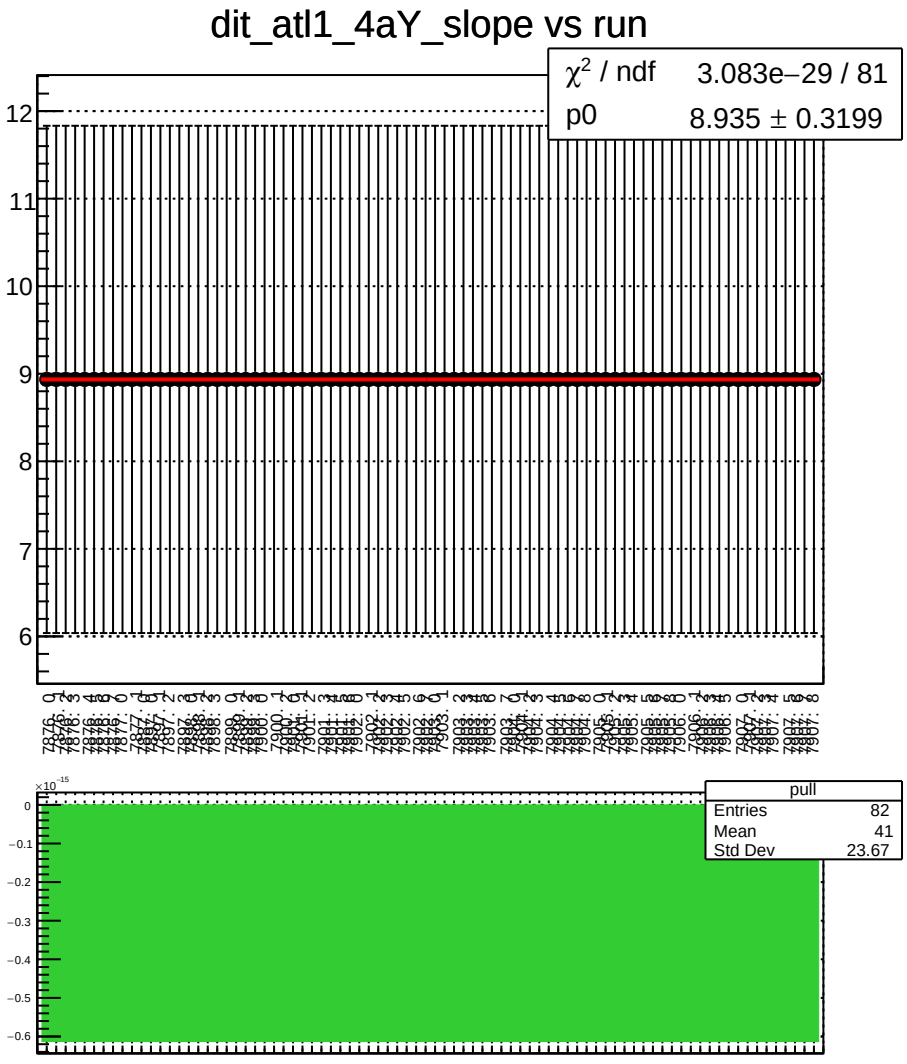

pull1D
Entries 82
Mean 3.865e−15
Std Dev 1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

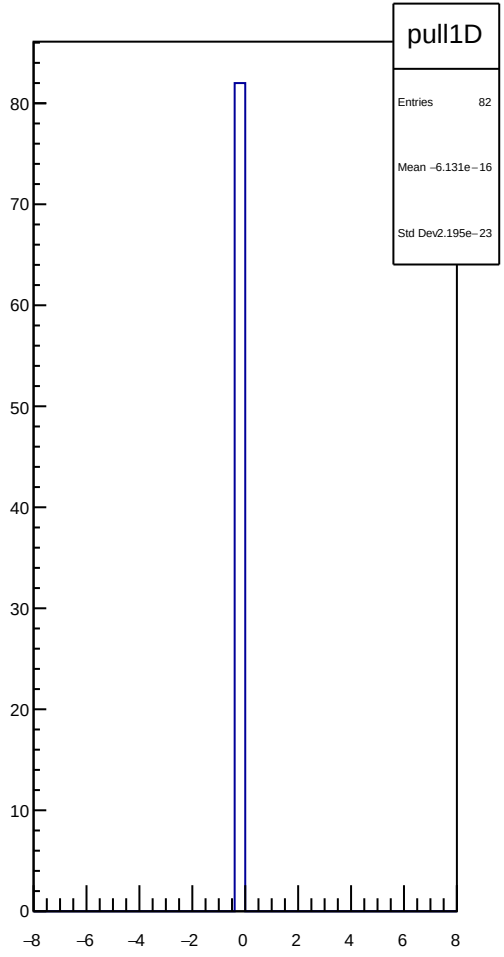

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.522e−28 / 81
p0 −7.991 ± 1.296
pull
Entries 82
Mean 41
Std Dev 23.67

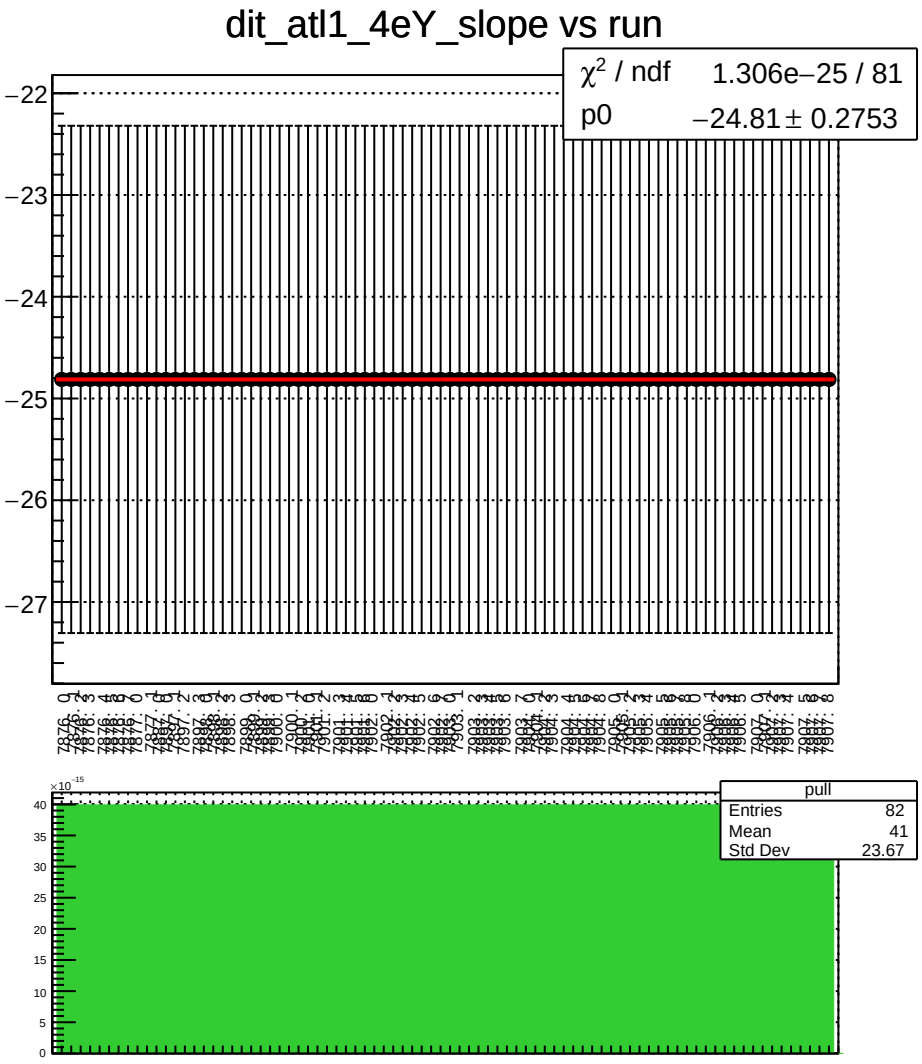

pull1D
Entries 82
Mean −1.362e−15
Std Dev4.952e−23

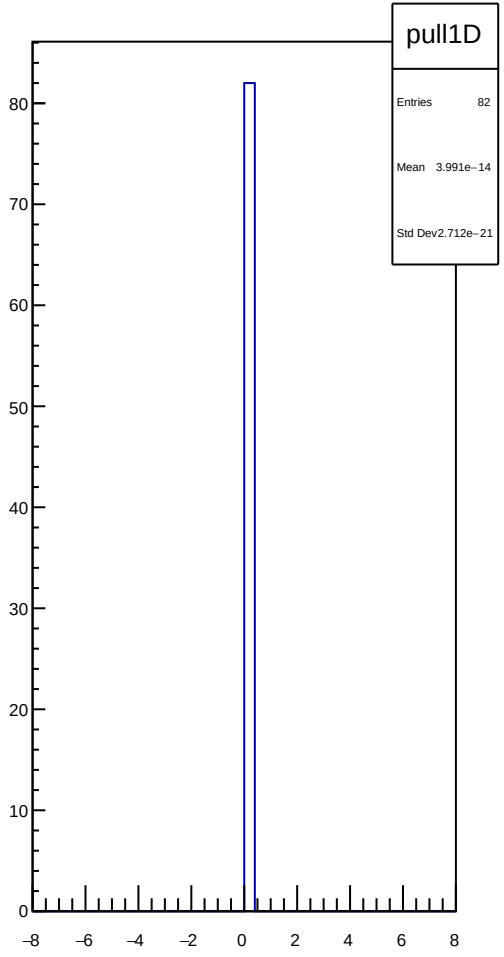

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.548e−29 / 81
p0 2.733 ± 0.2258
pull
Entries 82
Mean 41
Std Dev 23.67

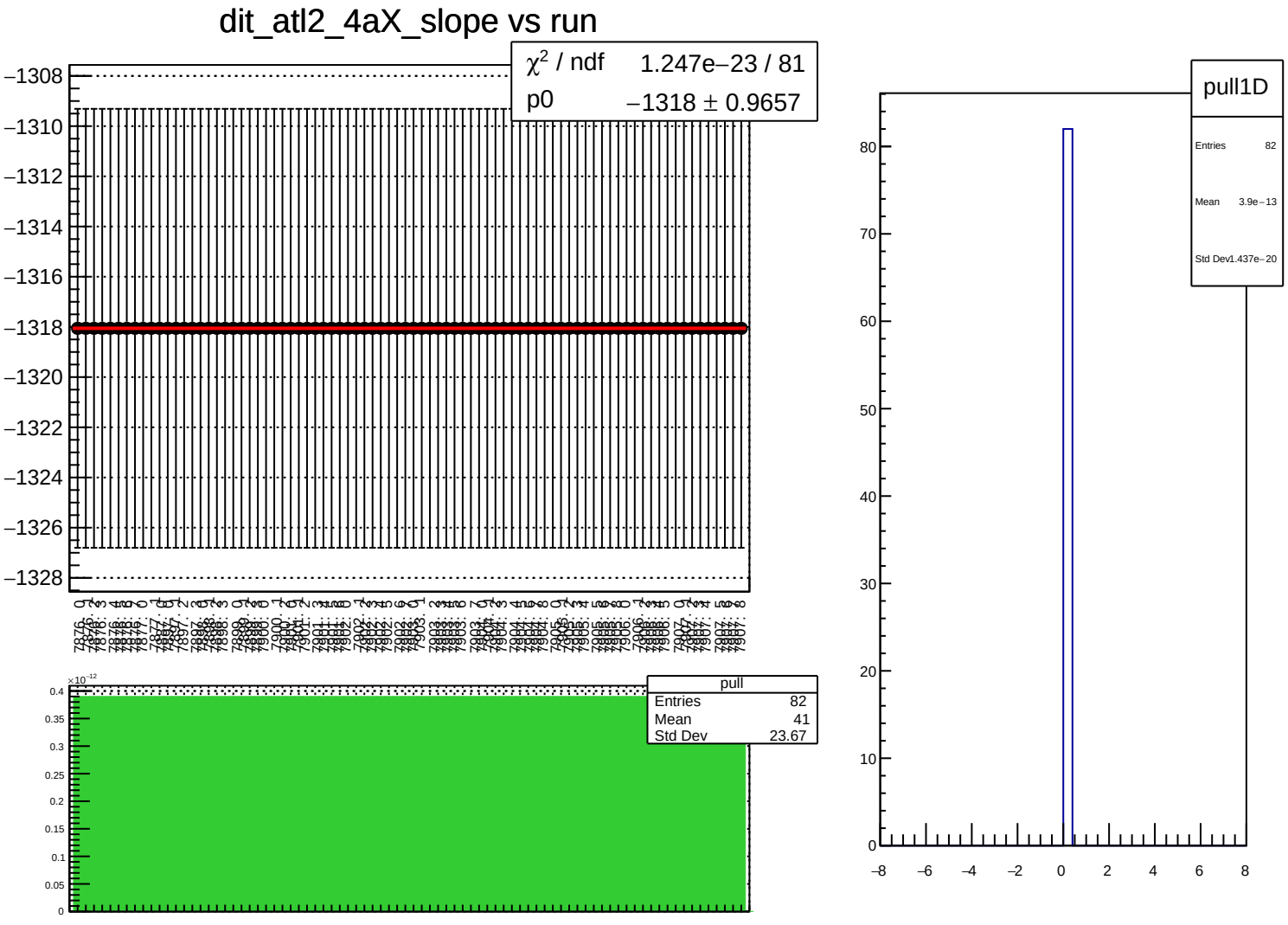

pull1D
Entries 82
Mean 4.344e−16
Std Dev 2.959e−23

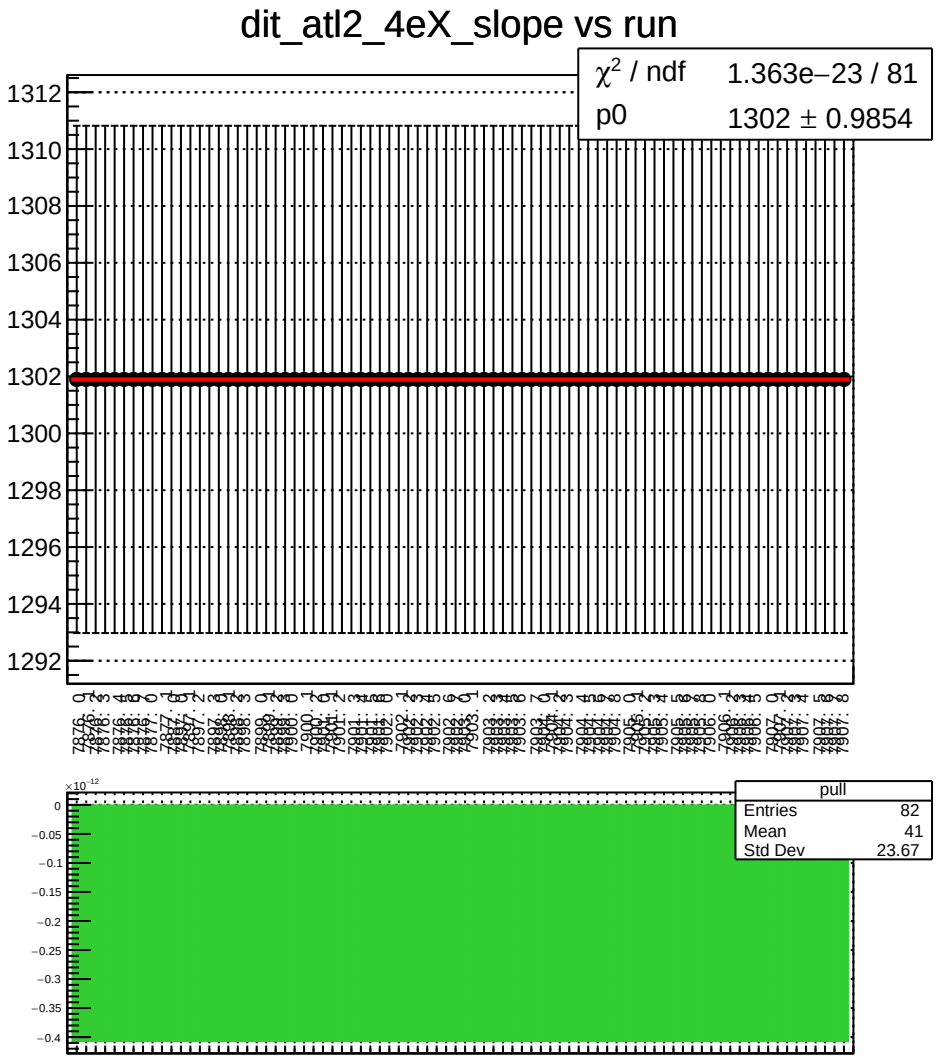

dit_atl1_4aY_slope vs run
χ^2 / ndf 3.083e−29 / 81
p0 8.935 ± 0.3199
pull
Entries 82
Mean 41
Std Dev 23.67

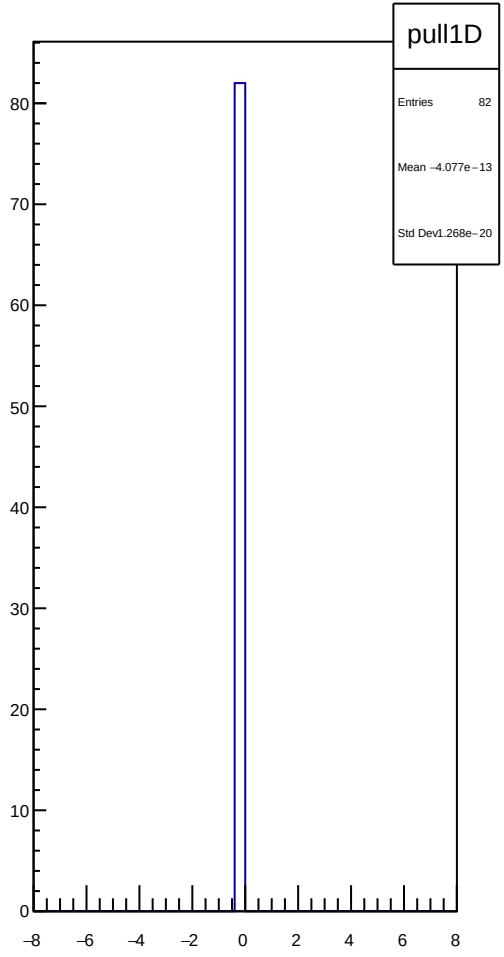

pull1D
Entries 82
Mean −6.131e−16
Std Dev 2.195e−23

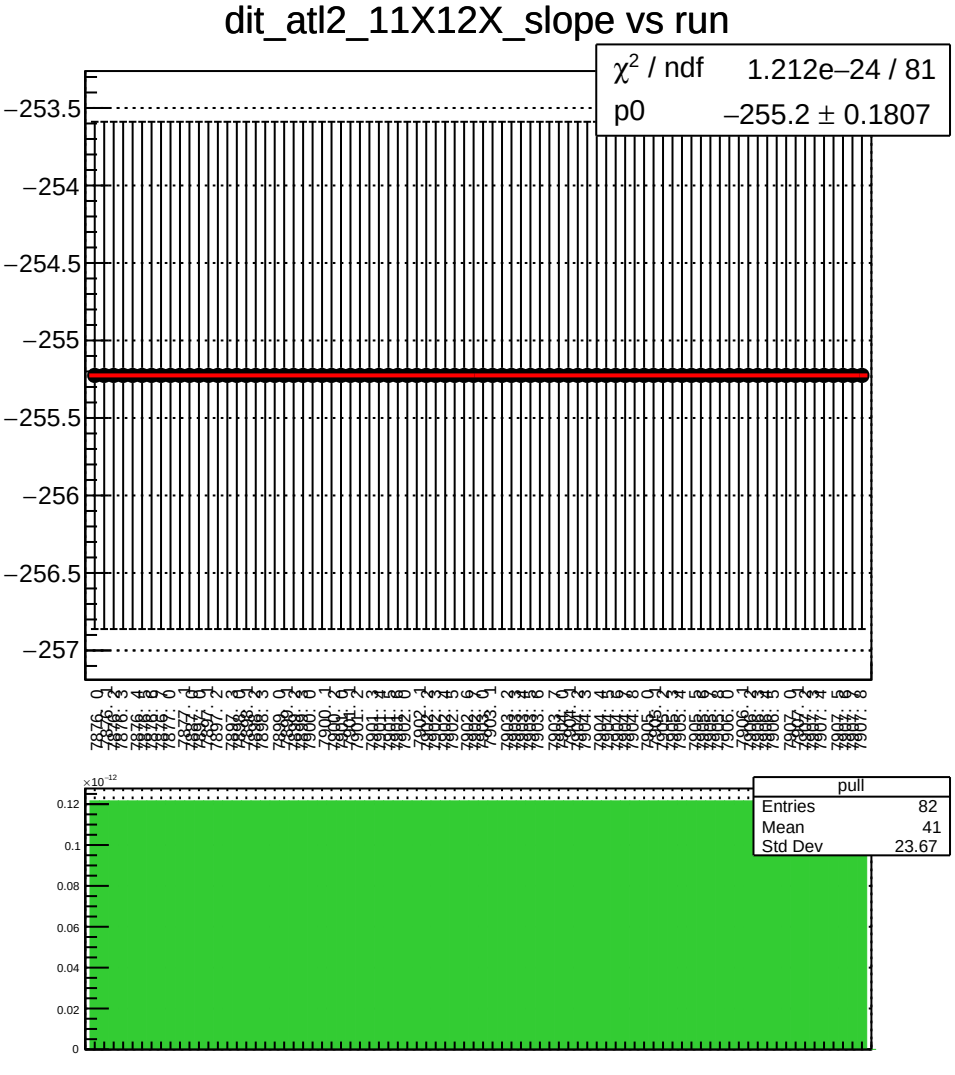

dit_atl1_4eY_slope vs run
χ^2 / ndf 1.306e−25 / 81
p0 −24.81 ± 0.2753
−22
−23
−24
−25
−26
−27
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
40
35
30
25
20
15
10
5
0

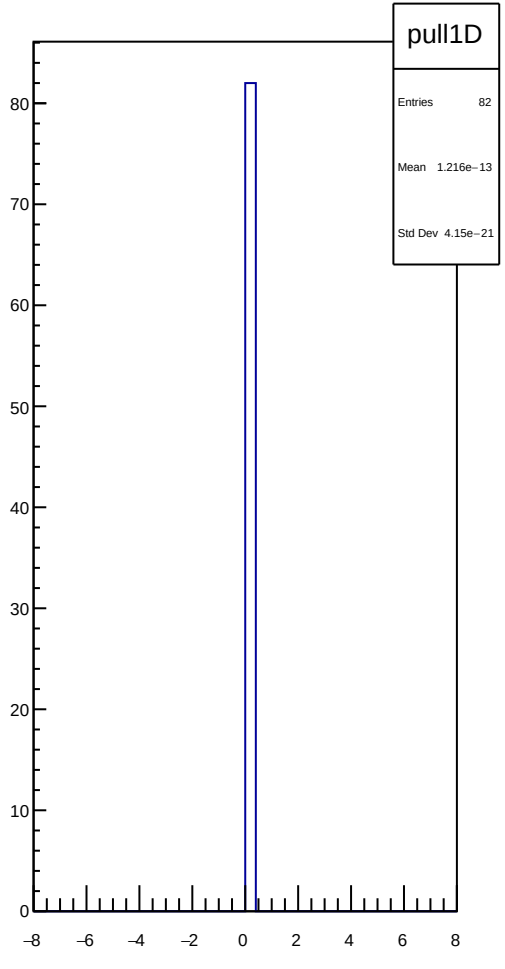

pull1D
Entries 82
Mean 3.991e−14
Std Dev 2.712e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

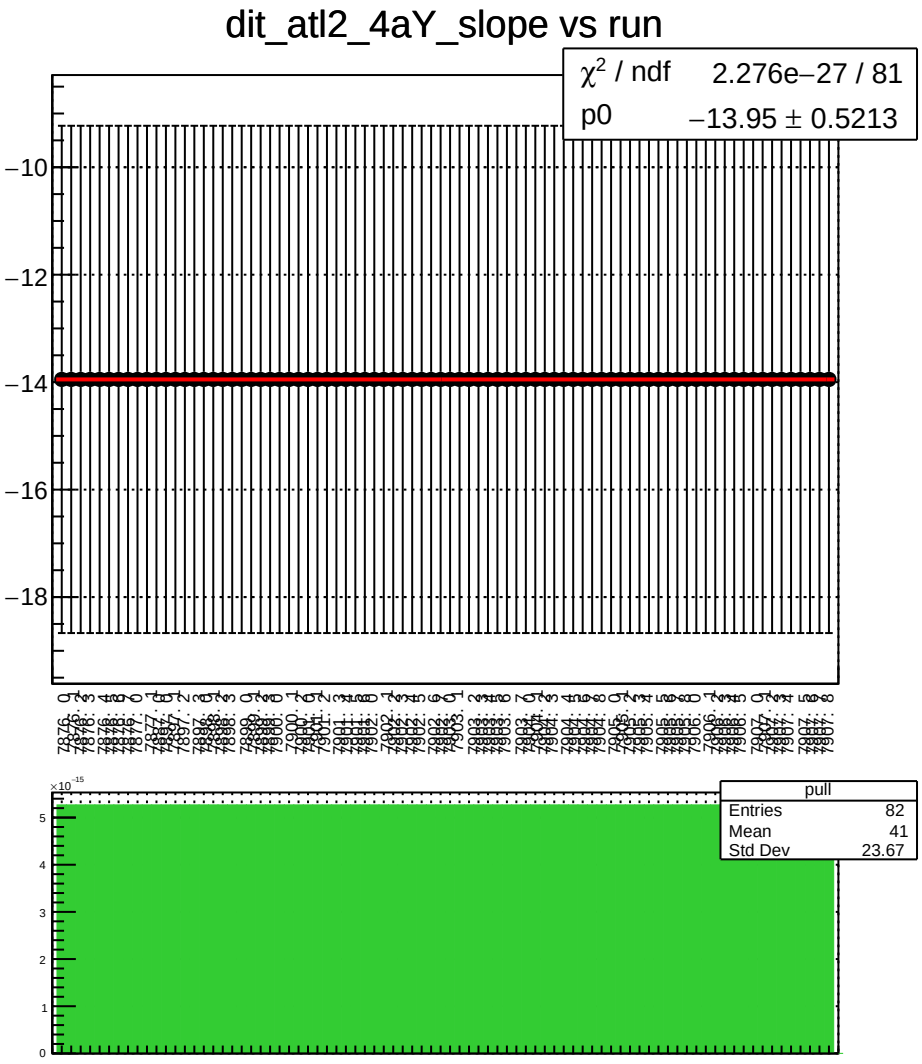

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.247e−23 / 81
p0 −1318 ± 0.9657
−1308
−1310
−1312
−1314
−1316
−1318
−1320
−1322
−1324
−1326
−1328
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 82
Mean 3.9e−13
Std Dev 1.437e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

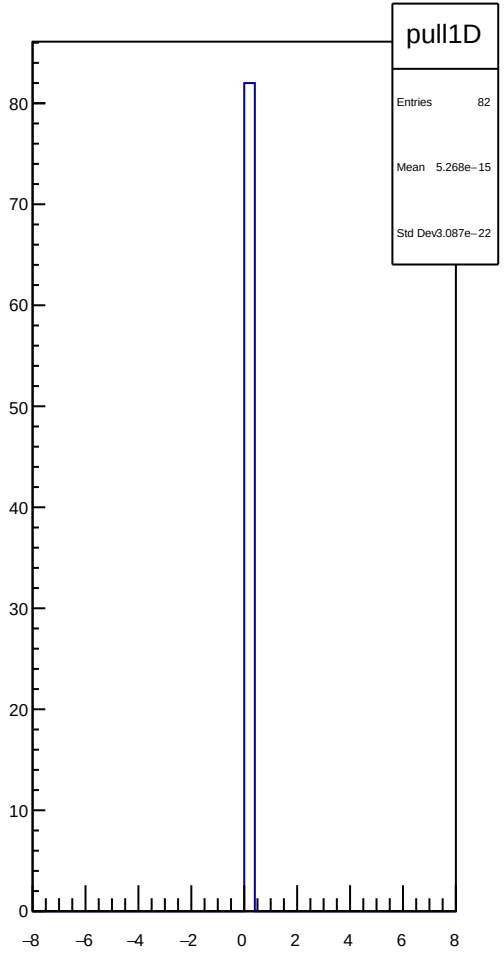

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.363e−23 / 81
p0 1302 ± 0.9854
1312
1310
1308
1306
1304
1302
1300
1298
1296
1294
1292
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

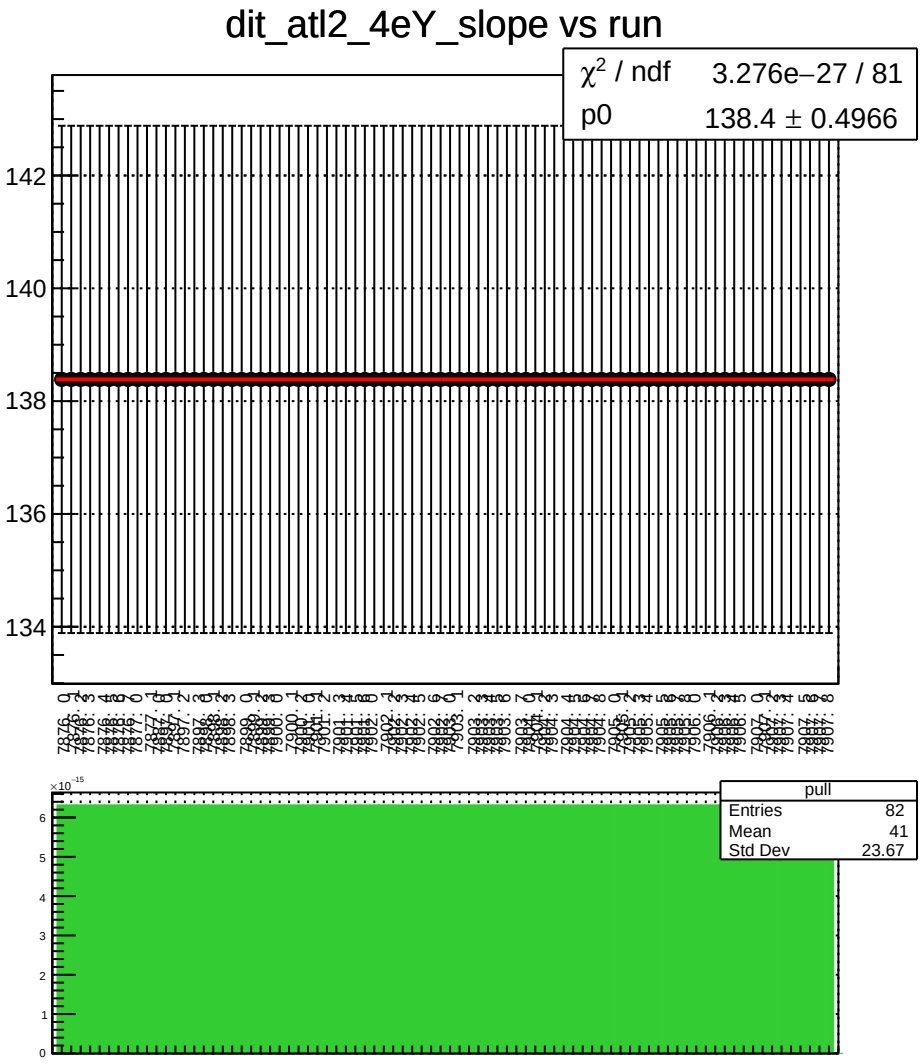

pull1D
Entries 82
Mean −4.077e−13
Std Dev 1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

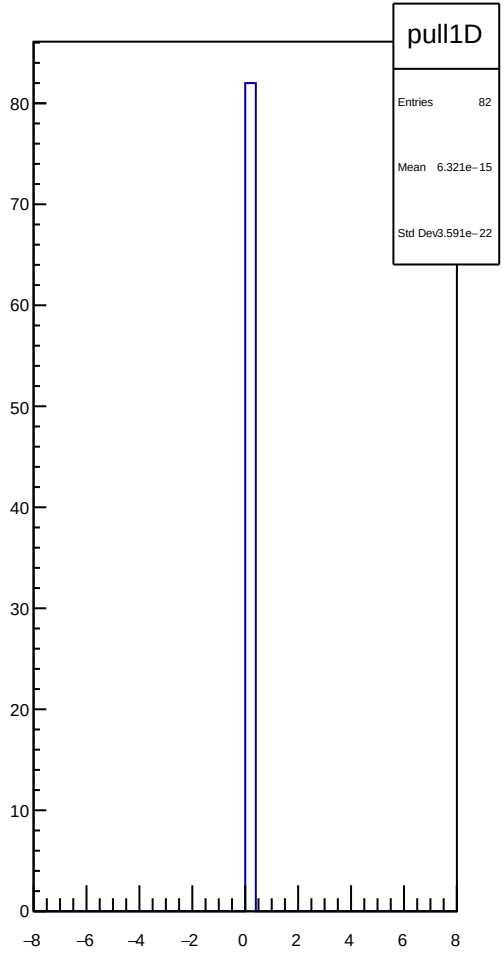

dit_atl2_11X12X_slope vs run
χ^2 / ndf 1.212e−24 / 81
p0 −255.2 ± 0.1807
−253.5
−254
−254.5
−255
−255.5
−256
−256.5
−257
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0.12
0.1
0.08
0.06
0.04
0.02
0

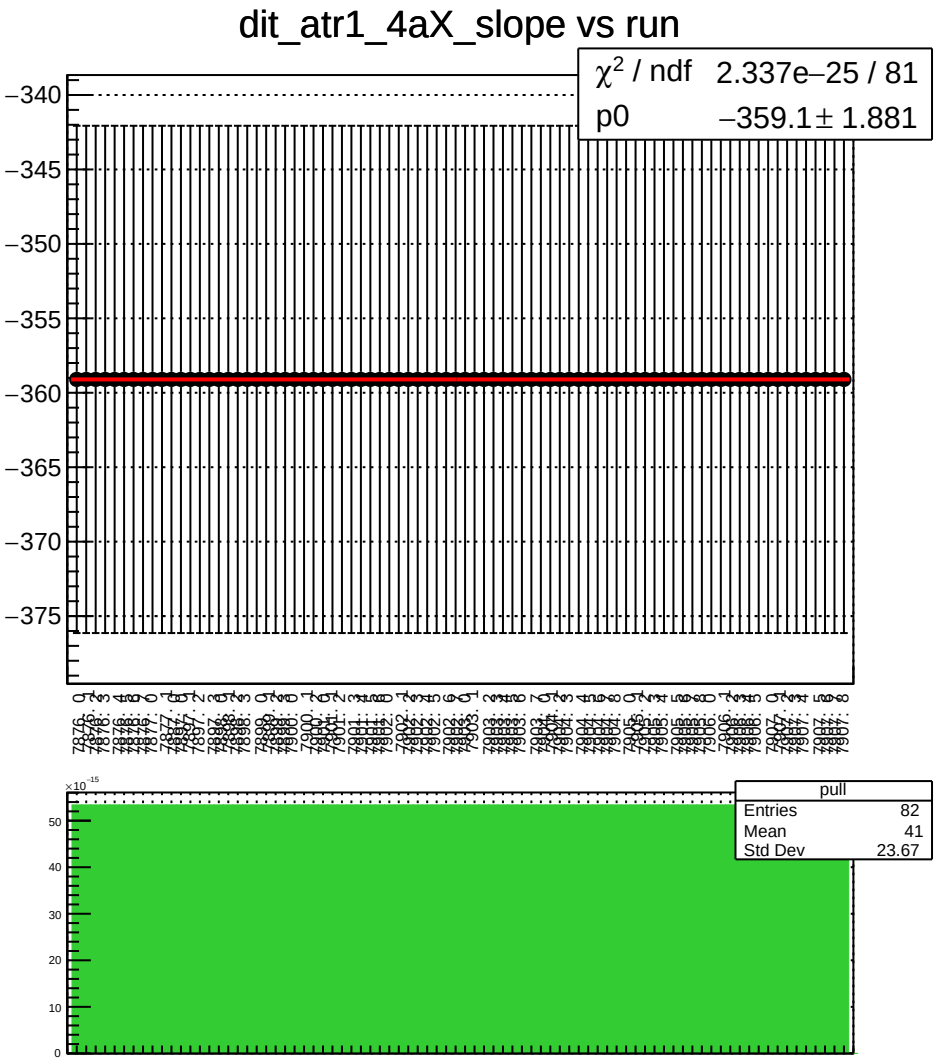

pull1D
Entries 82
Mean 1.216e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

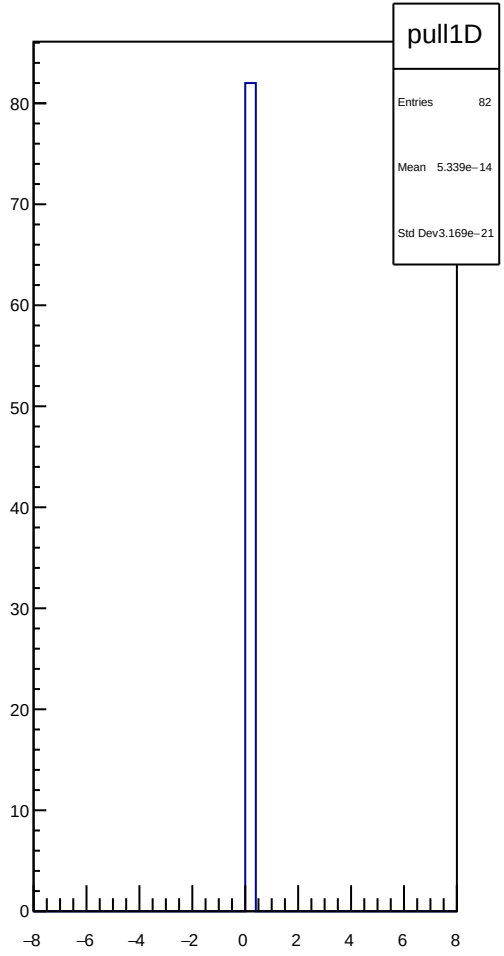

dit_atl2_4aY_slope vs run
χ^2 / ndf 2.276e−27 / 81
p0 −13.95 ± 0.5213
−10
−12
−14
−16
−18
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
5
4
3
2
1
0

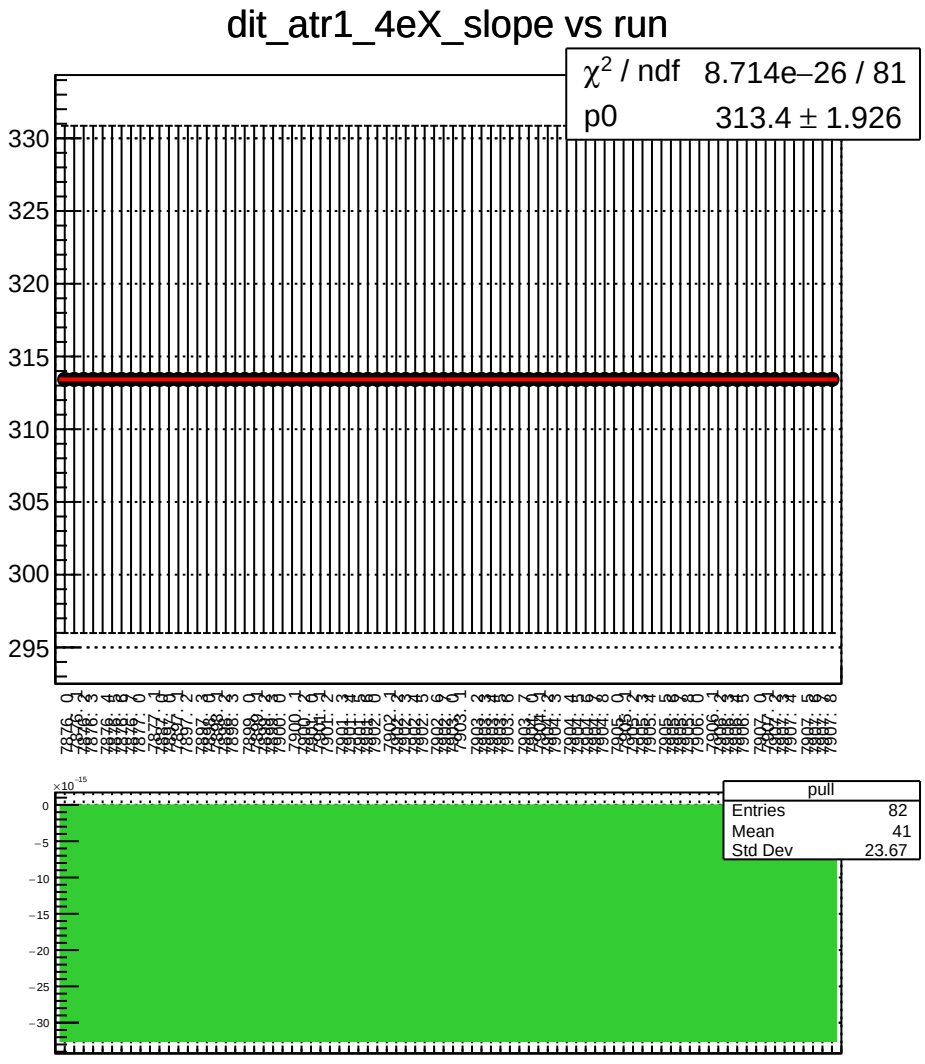

pull1D
Entries 82
Mean 5.268e−15
Std Dev 3.087e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

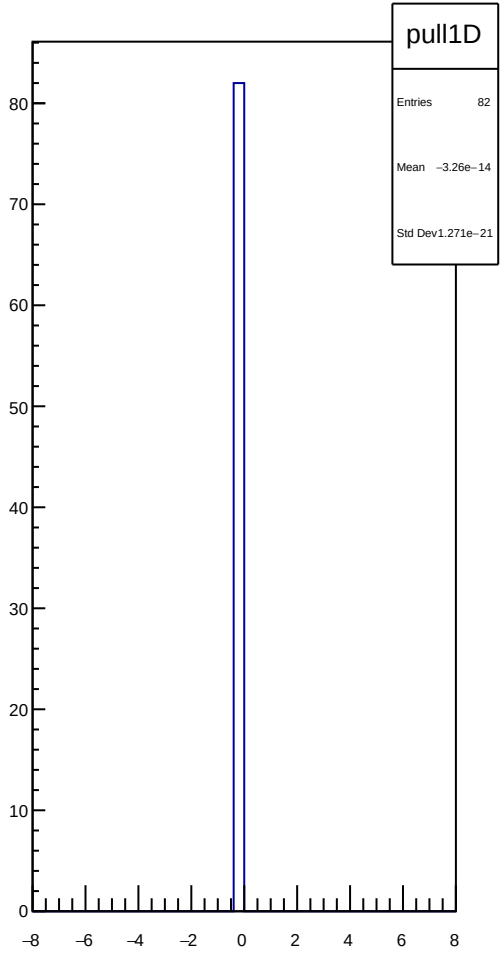

dit_atl2_4eY_slope vs run
χ^2 / ndf 3.276e−27 / 81
p0 138.4 ± 0.4966
142
140
138
136
134
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
6
5
4
3
2
1
0

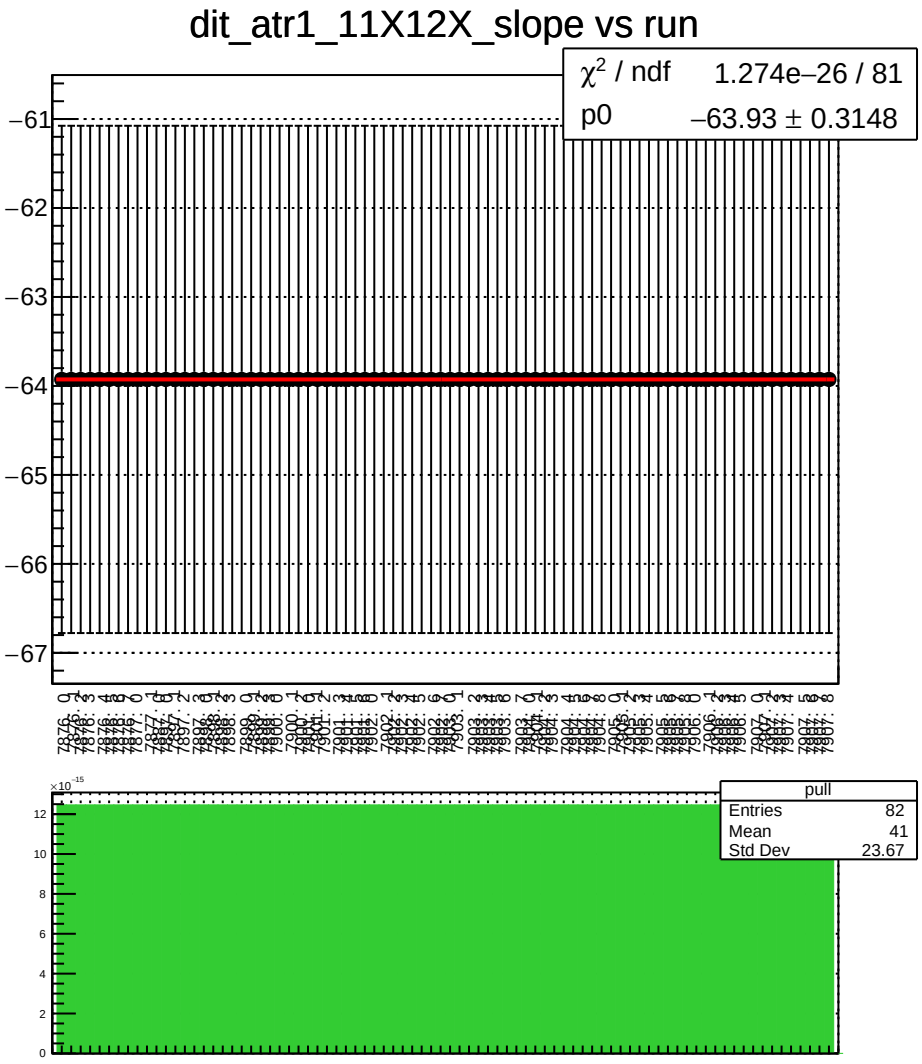

pull1D
Entries 82
Mean 6.321e−15
Std Dev 3.591e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

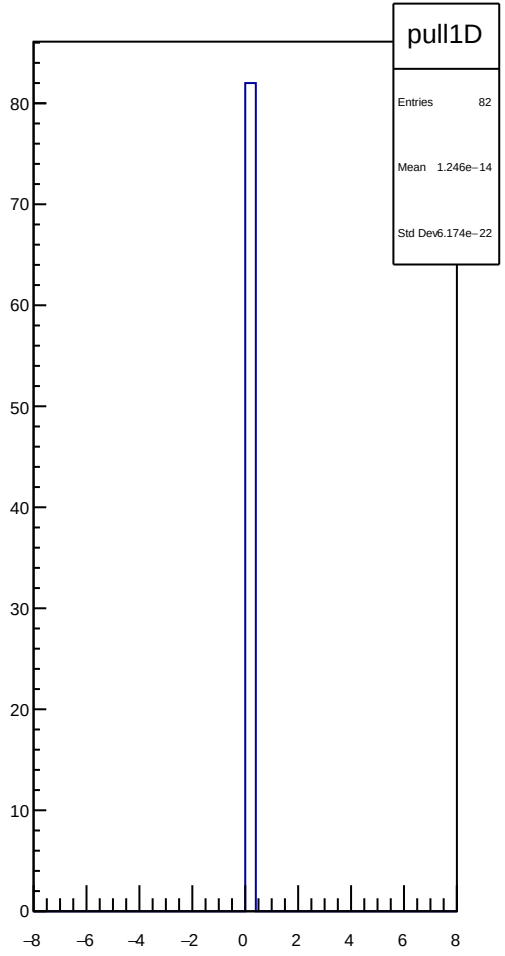

dit_atr1_4aX_slope vs run
χ^2 / ndf 2.337e−25 / 81
p0 −359.1 ± 1.881
−340
−345
−350
−355
−360
−365
−370
−375
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
50
40
30
20
10
0


pull1D
Entries 82
Mean 5.339e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

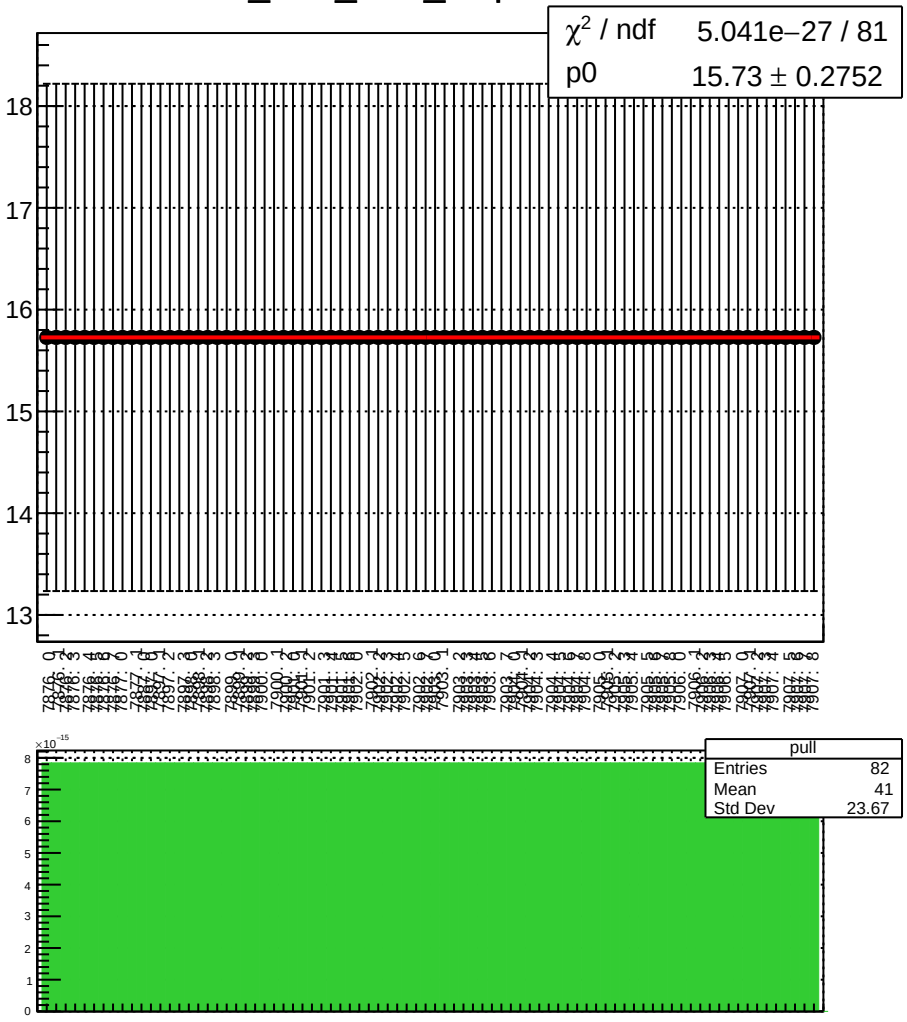

dit_atr1_4eX_slope vs run
χ^2 / ndf 8.714e−26 / 81
p0 313.4 ± 1.926
330
325
320
315
310
305
300
295
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−5
−10
−15
−20
−25
−30

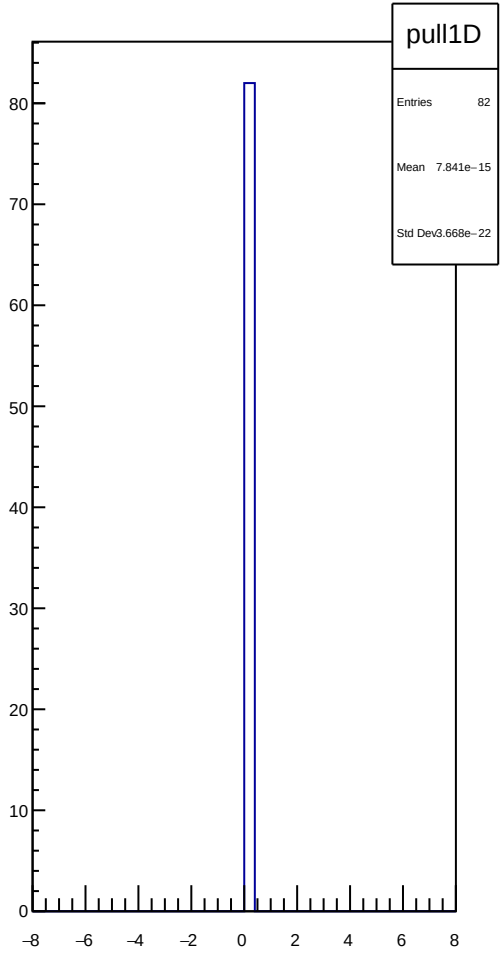

pull1D
Entries 82
Mean −3.26e−14
Std Dev 1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

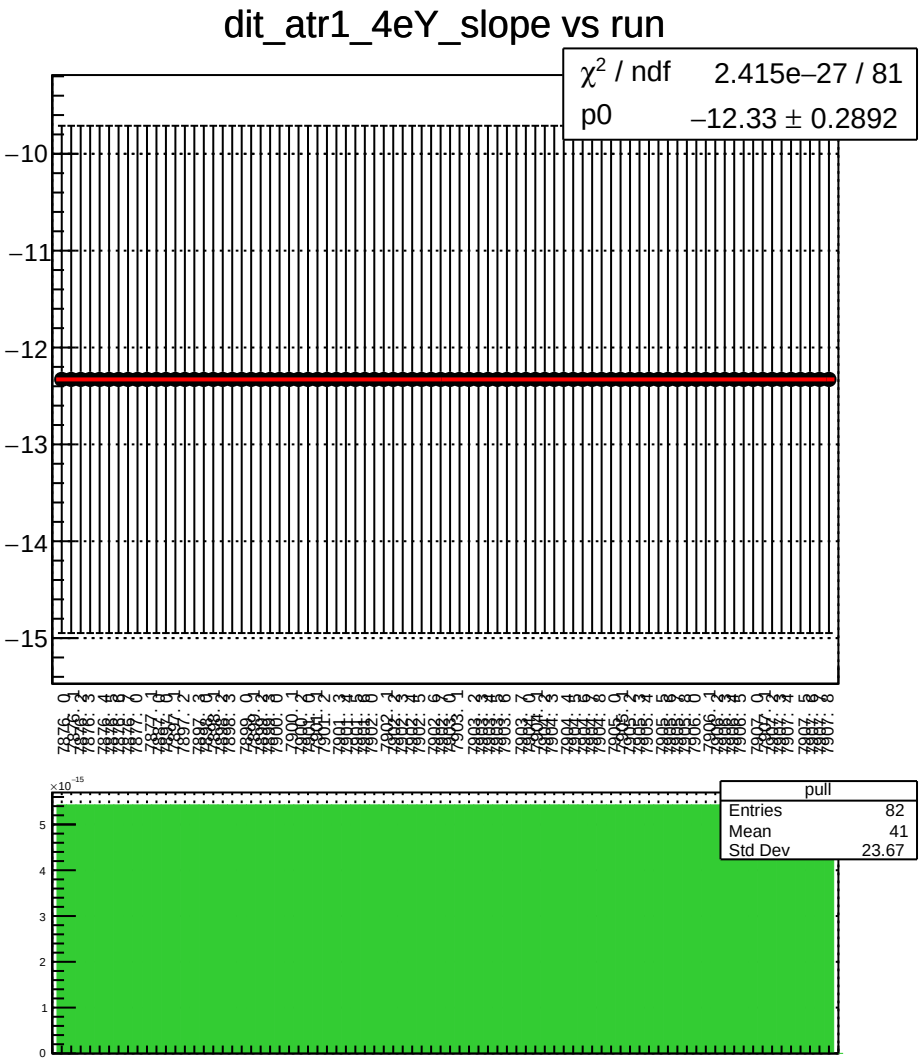

dit_atr1_11X12X_slope vs run
χ^2 / ndf 1.274e−26 / 81
p0 −63.93 ± 0.3148
−61
−62
−63
−64
−65
−66
−67
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
12
10
8
6
4
2
0

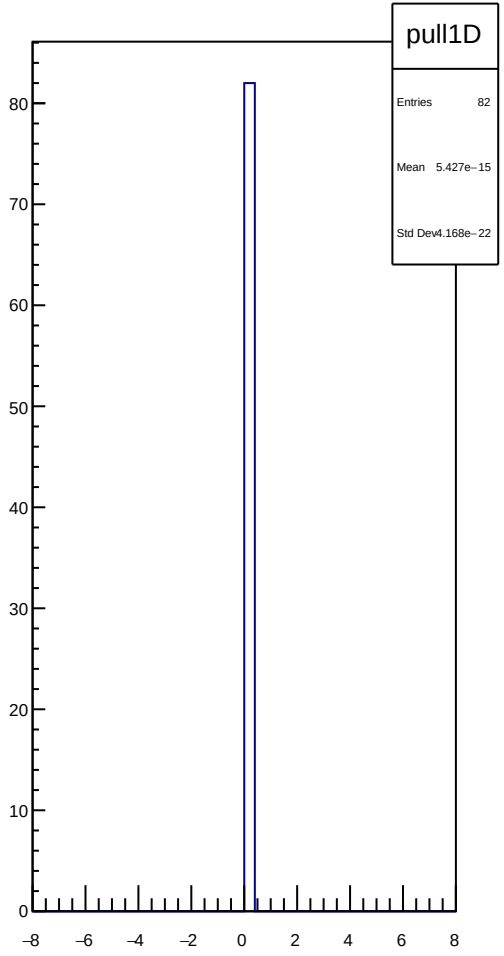

pull1D
Entries 82
Mean 1.246e−14
Std Dev 6.174e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

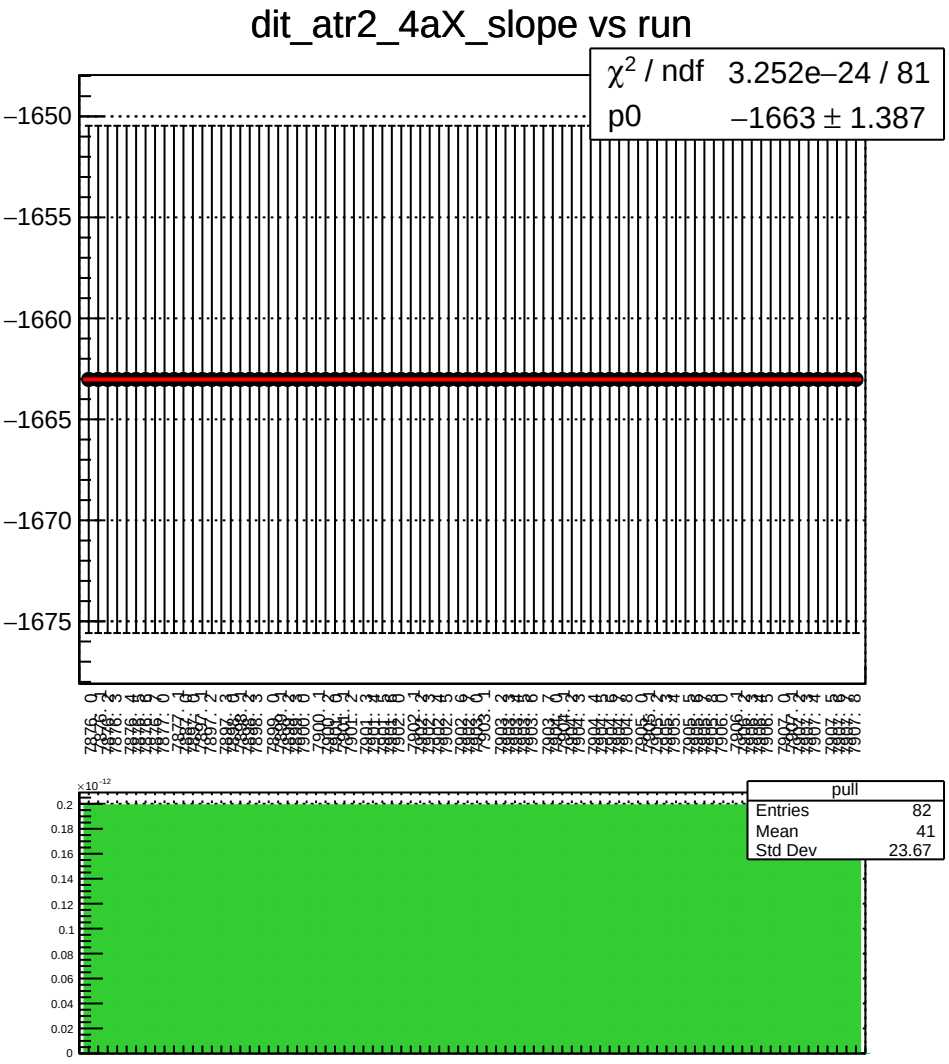
dit_atr1_4aY_slope vs run

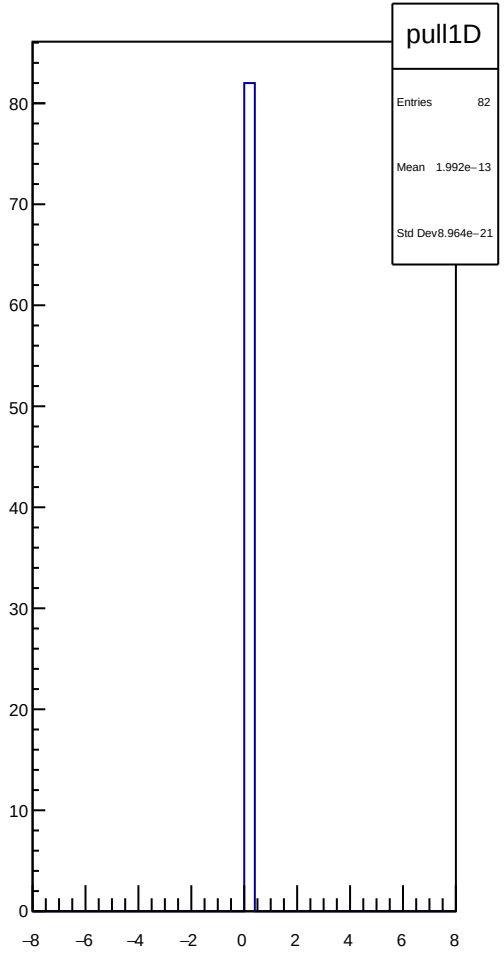




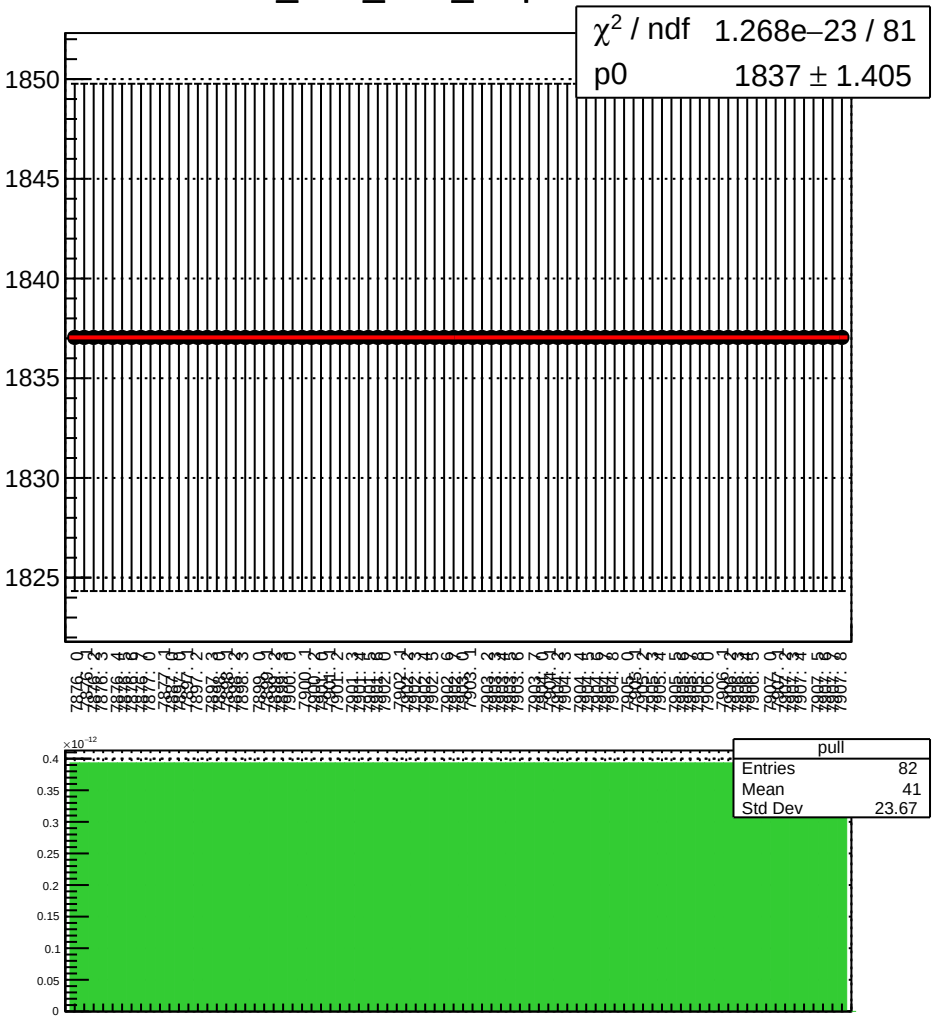

dit_atr1_4eY_slope vs run
χ^2 / ndf 2.415e−27 / 81
p0 −12.33 ± 0.2892
−10
−11
−12
−13
−14
−15
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
5
4
3
2
1
0

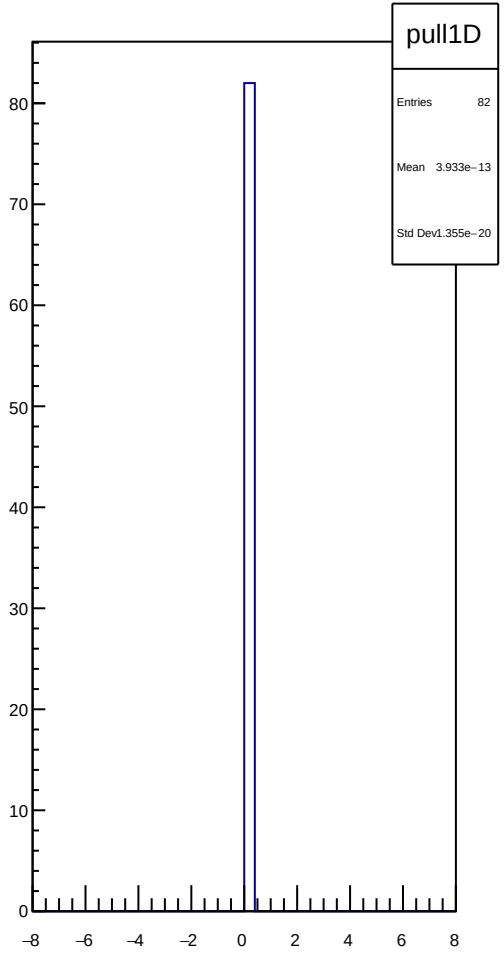

pull1D
Entries 82
Mean 5.427e−15
Std Dev4.168e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

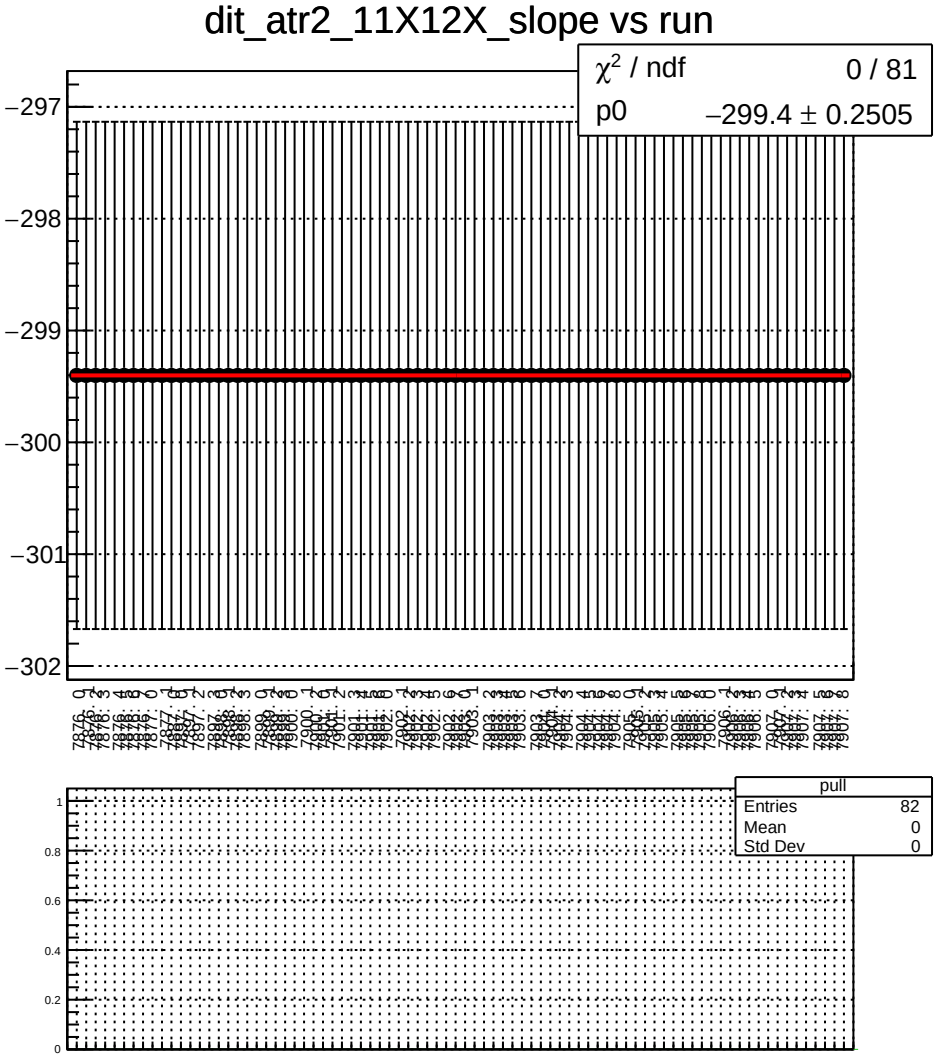

dit_atr2_4aX_slope vs run
χ^2 / ndf 3.252e−24 / 81
p0 −1663 ± 1.387
−1650
−1655
−1660
−1665
−1670
−1675
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

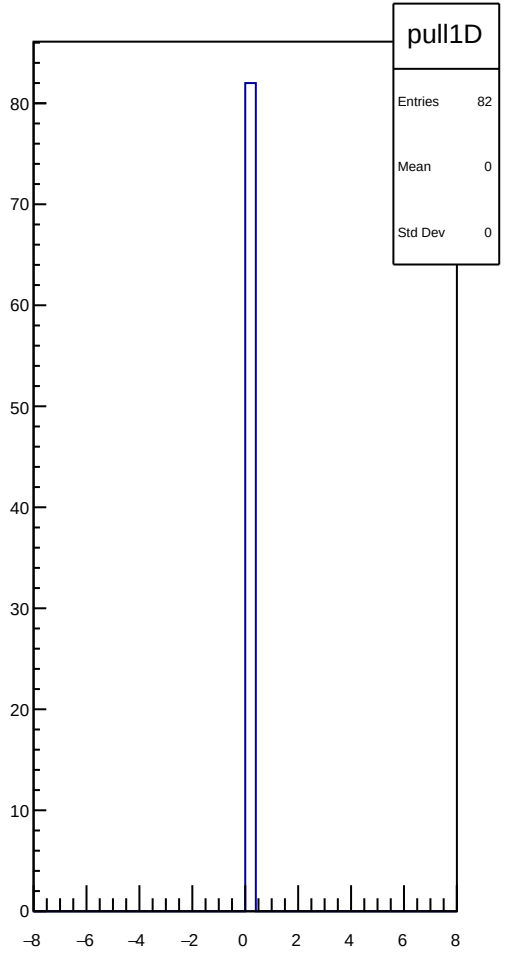

pull1D
Entries 82
Mean 1.992e−13
Std Dev 8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

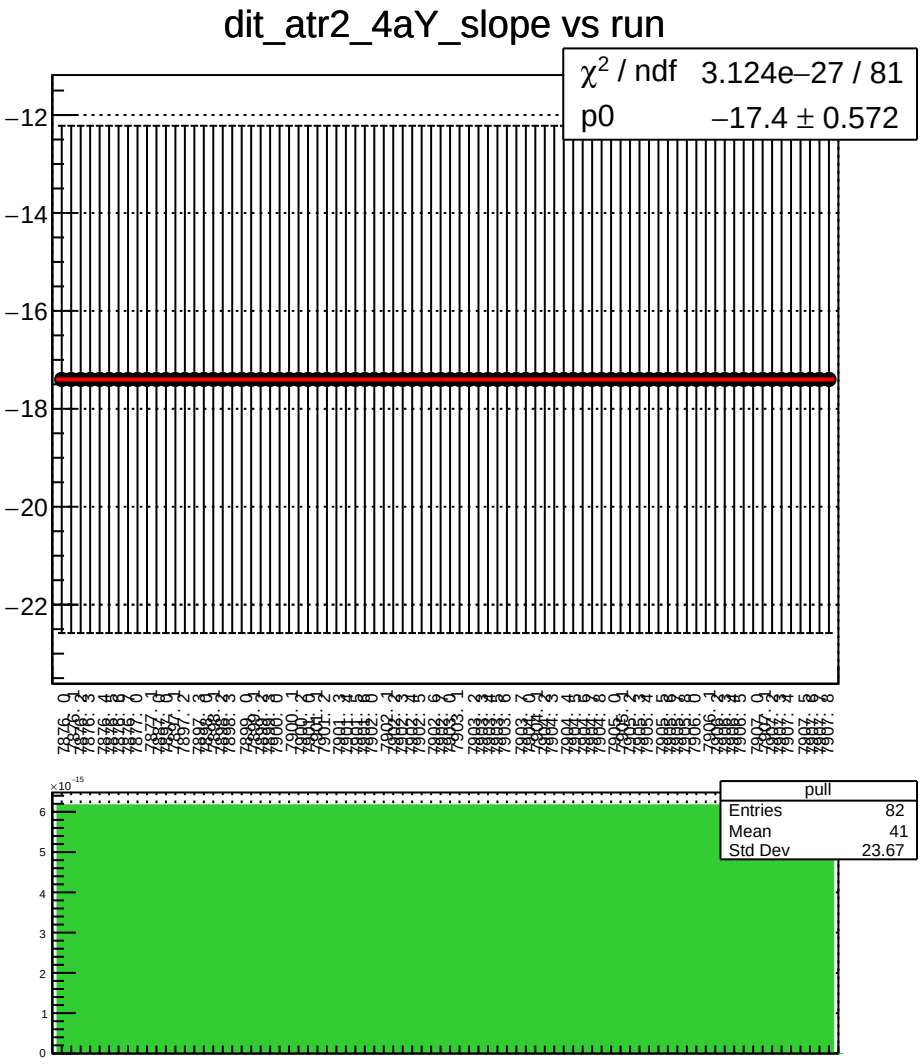
dit_atr2_4eX_slope vs run

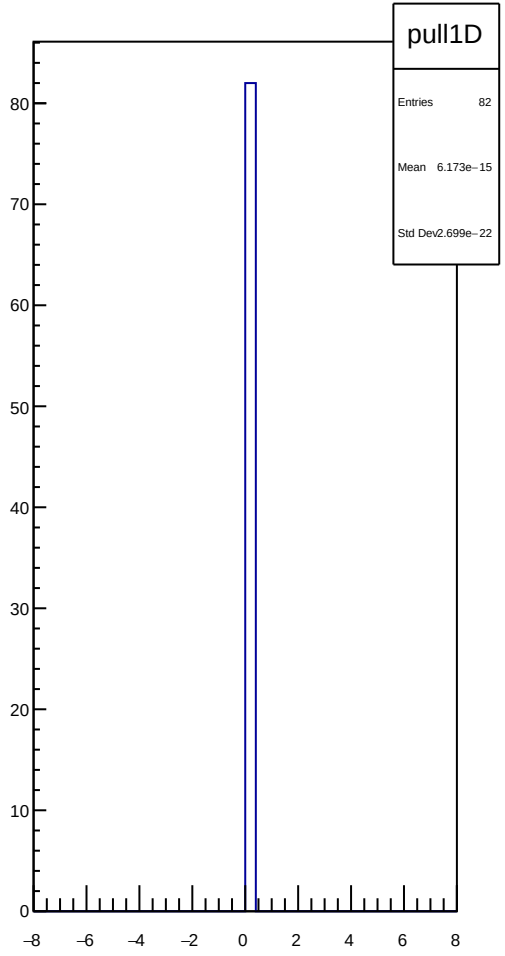


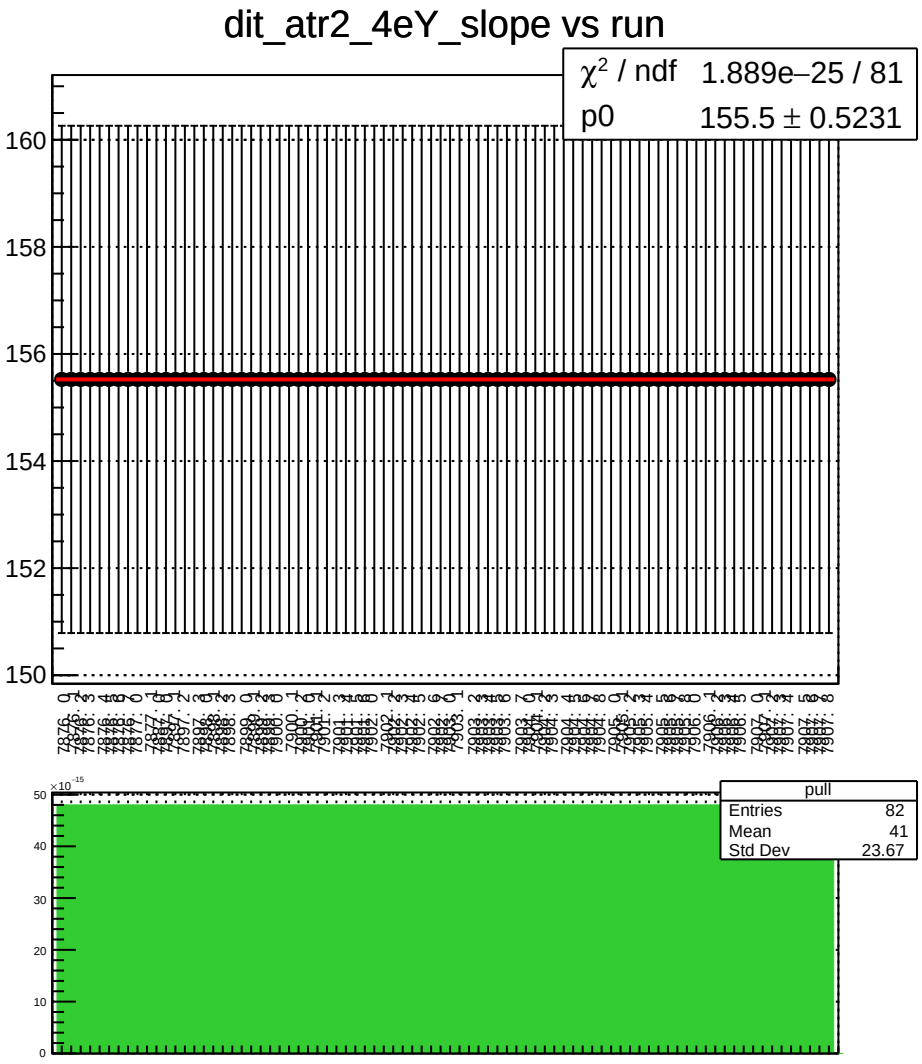


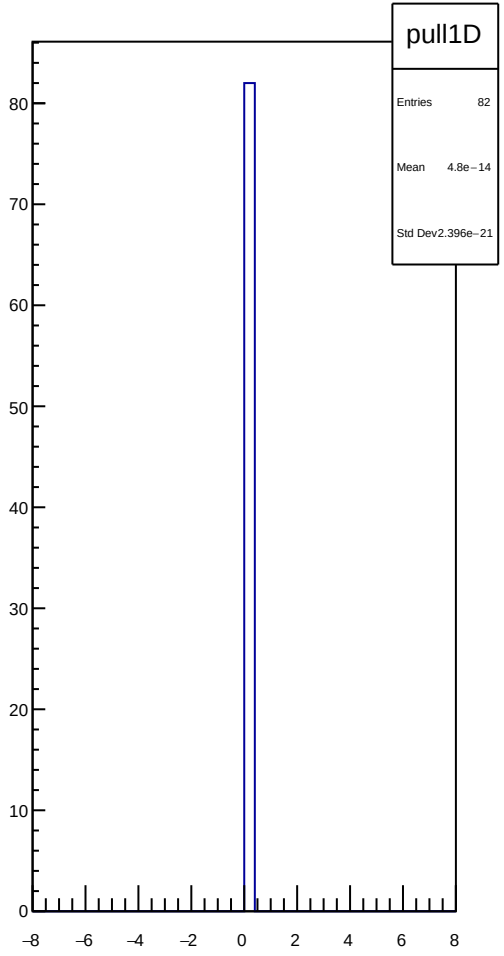

dit_atr2_11X12X_slope vs run
χ^2 / ndf 0 / 81
p0 −299.4 ± 0.2505
−297
−298
−299
−300
−301
−302
pull
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

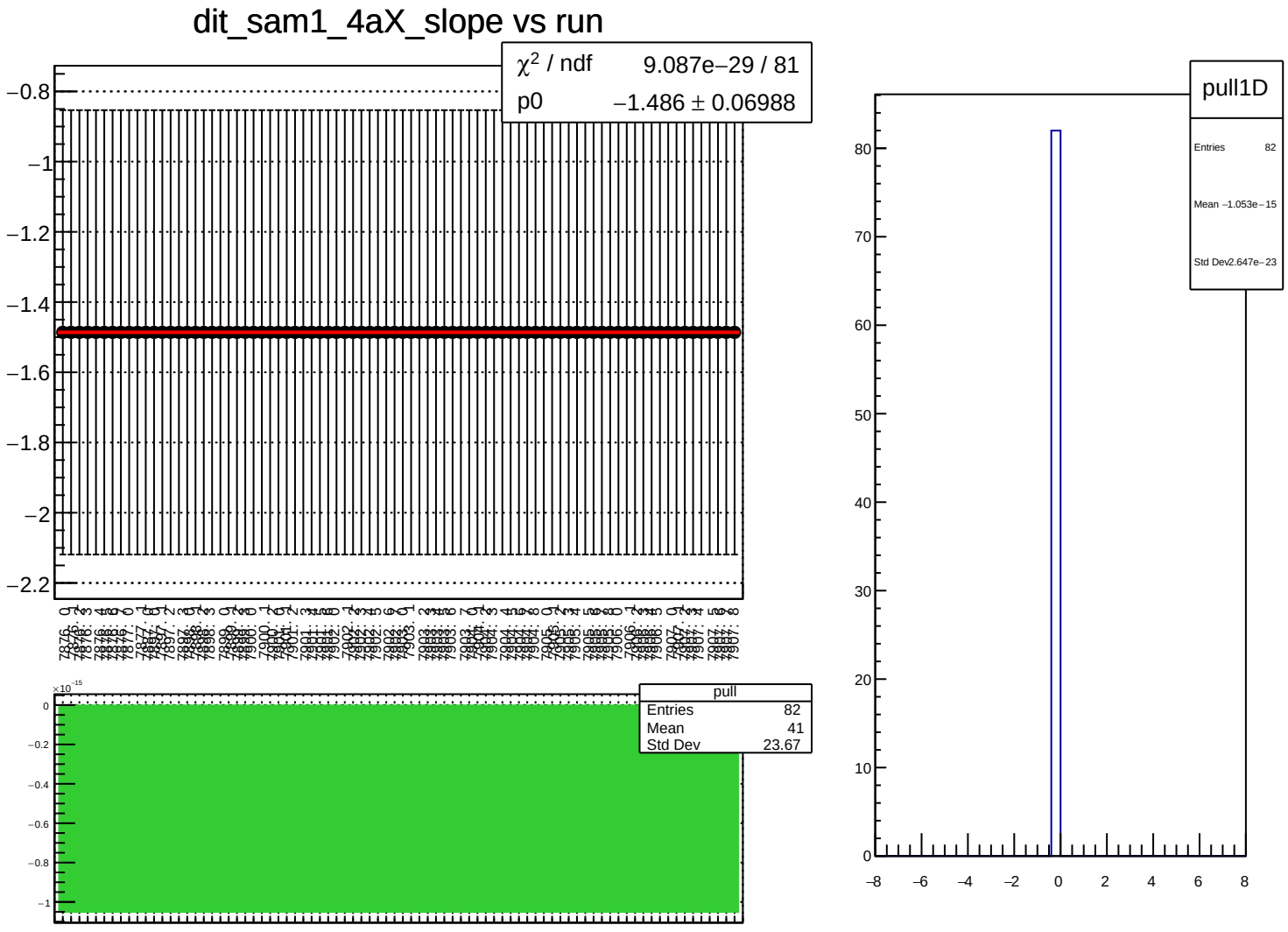

pull1D
Entries 82
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4aY_slope vs run
χ^2 / ndf 3.124e−27 / 81
p0 −17.4 ± 0.572
−12
−14
−16
−18
−20
−22
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
6
5
4
3
2
1
0

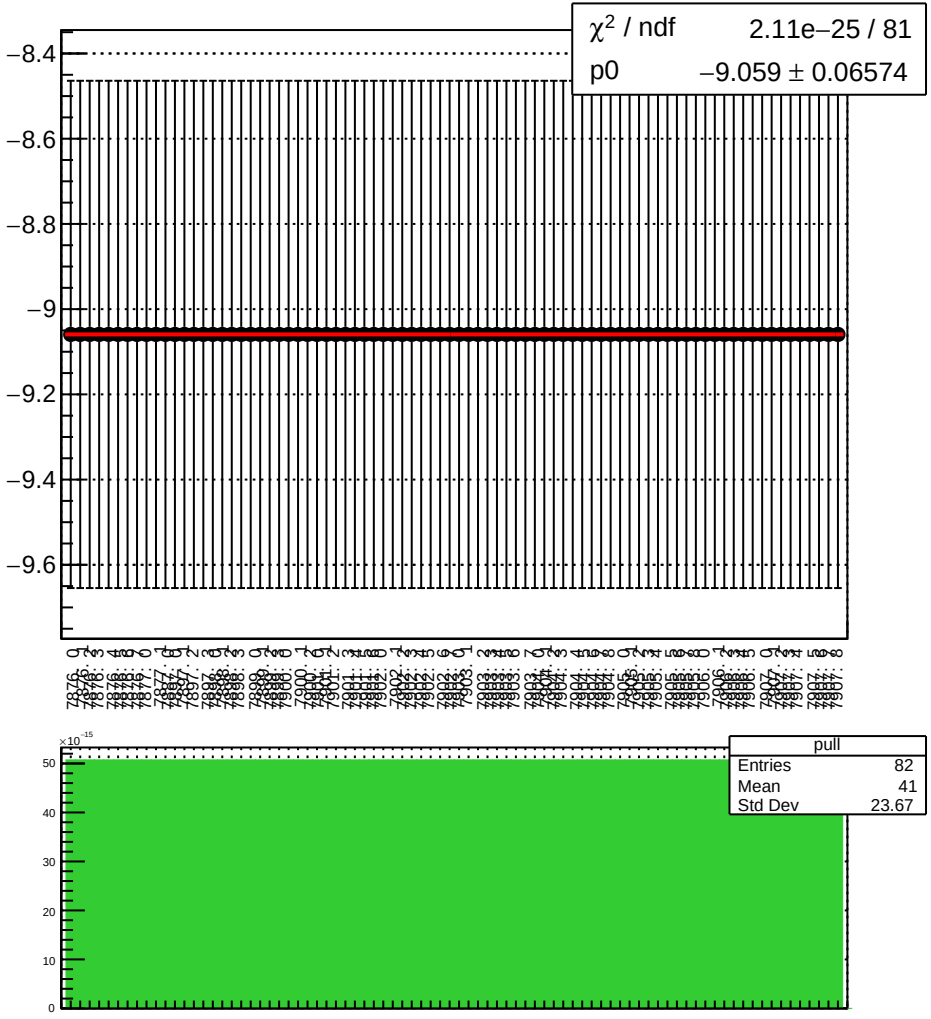

pull1D
Entries 82
Mean 6.173e−15
Std Dev 2.699e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

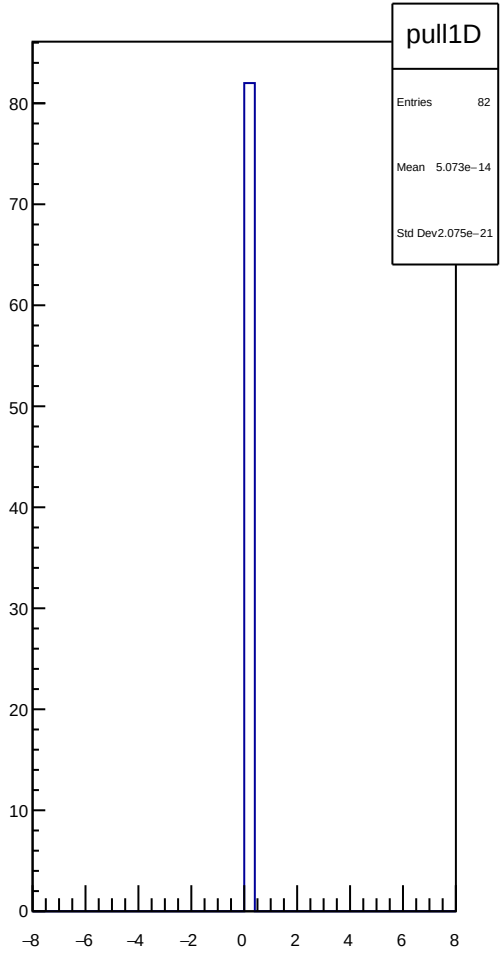

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.889e−25 / 81
p0 155.5 ± 0.5231
160
158
156
154
152
150
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-15}$
50
40
30
20
10
0


pull1D
Entries 82
Mean 4.8e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

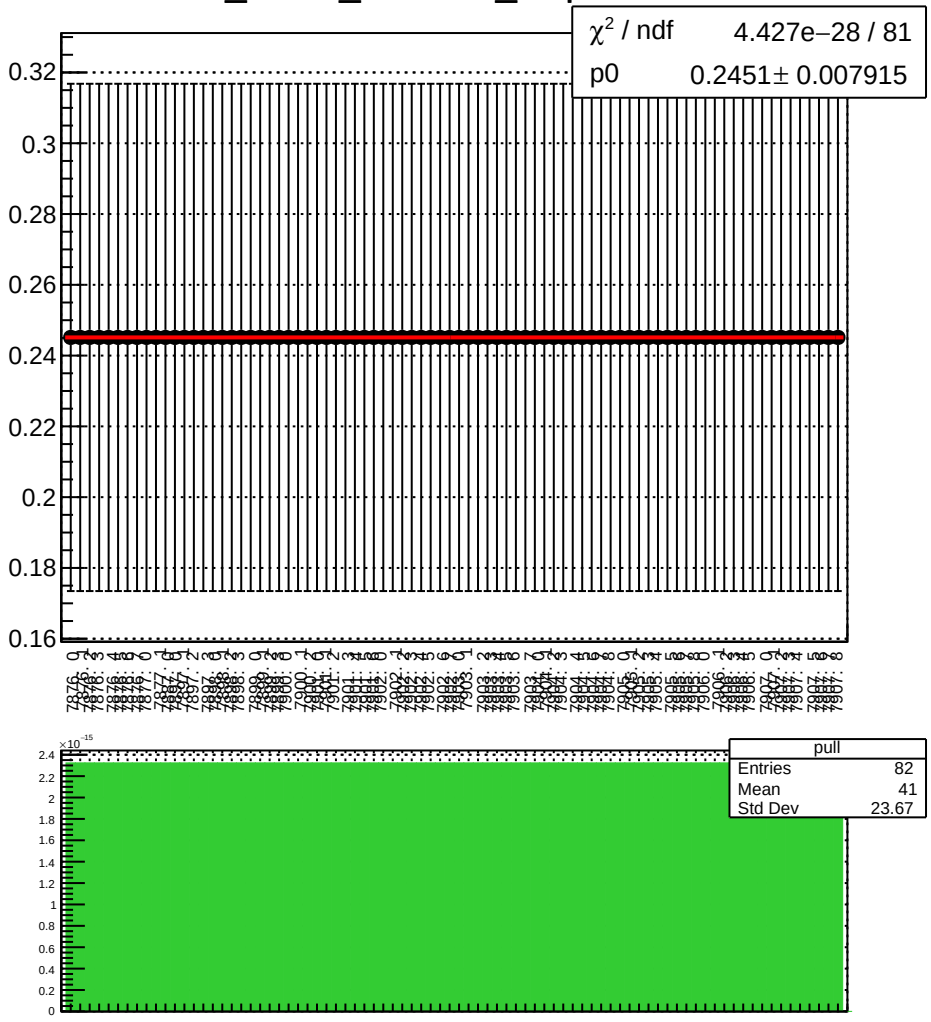

dit_sam1_4aX_slope vs run
χ^2 / ndf 9.087e−29 / 81
p0 −1.486 ± 0.06988
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.053e−15
Std Dev 2.647e−23

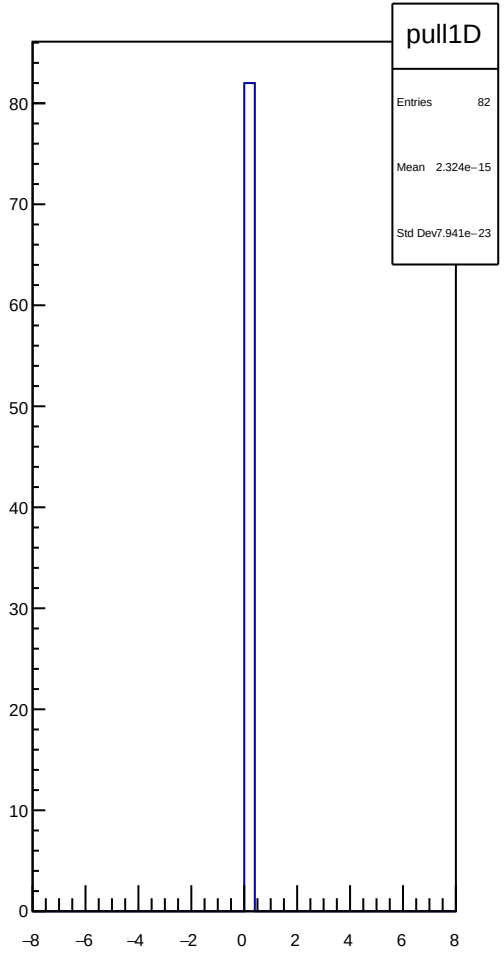
dit_sam1_4eX_slope vs run

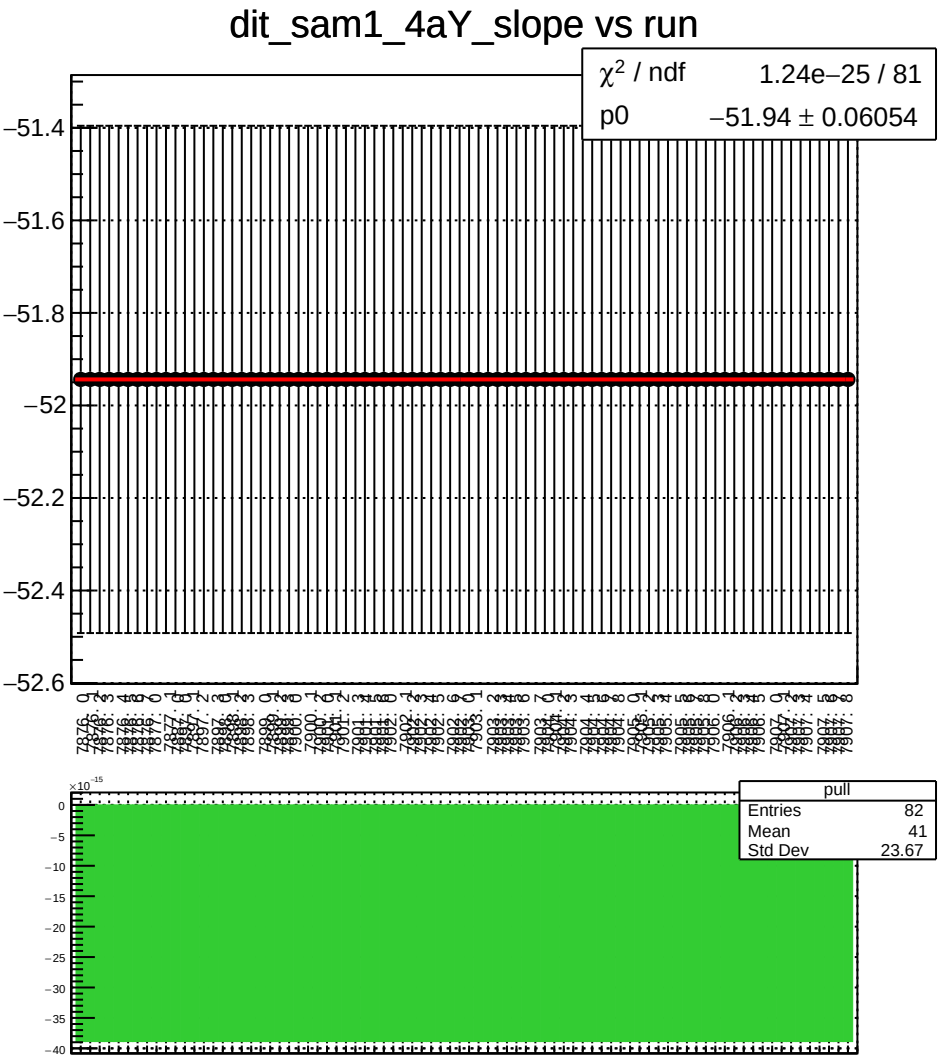


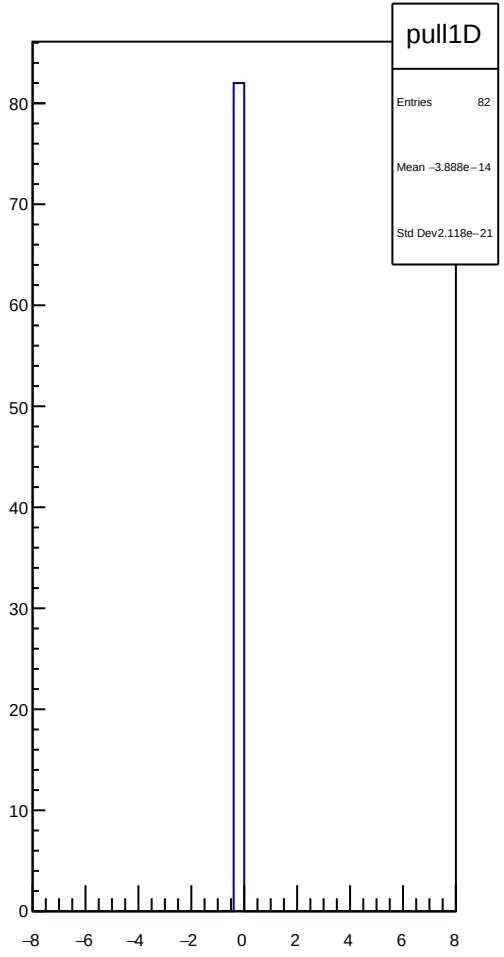


dit_sam1_11X12X_slope vs run

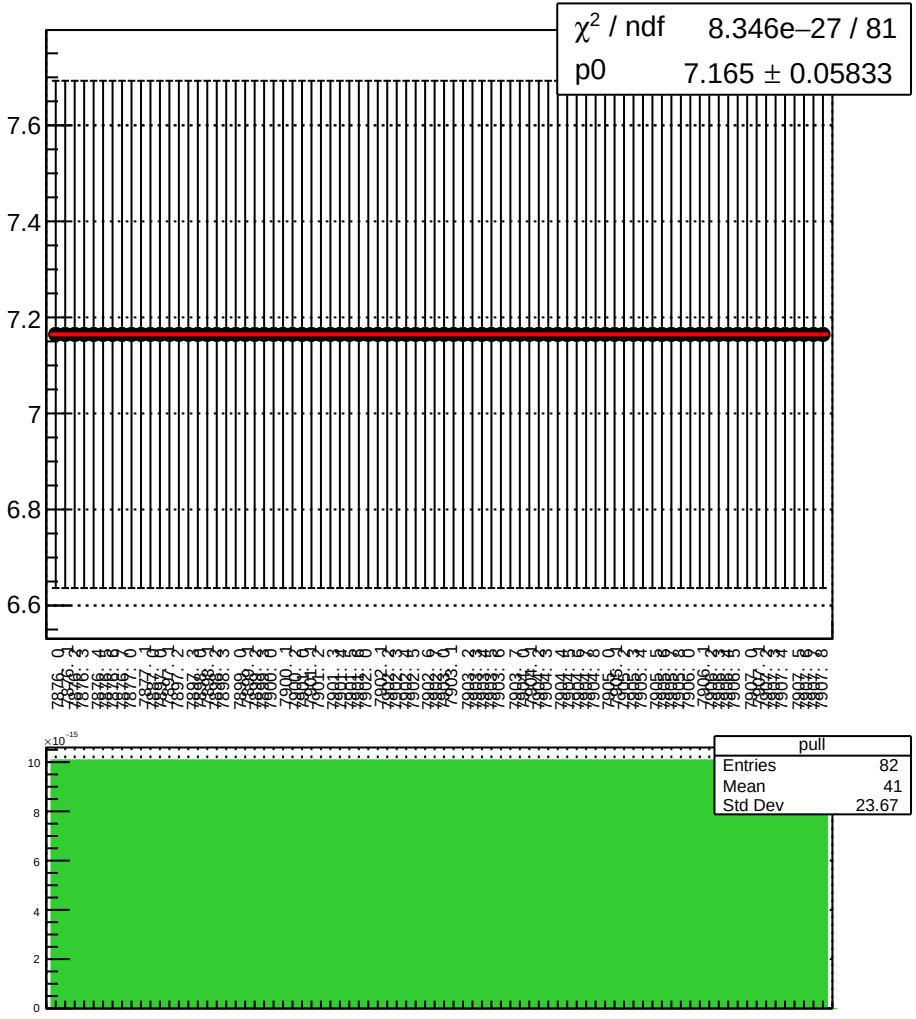


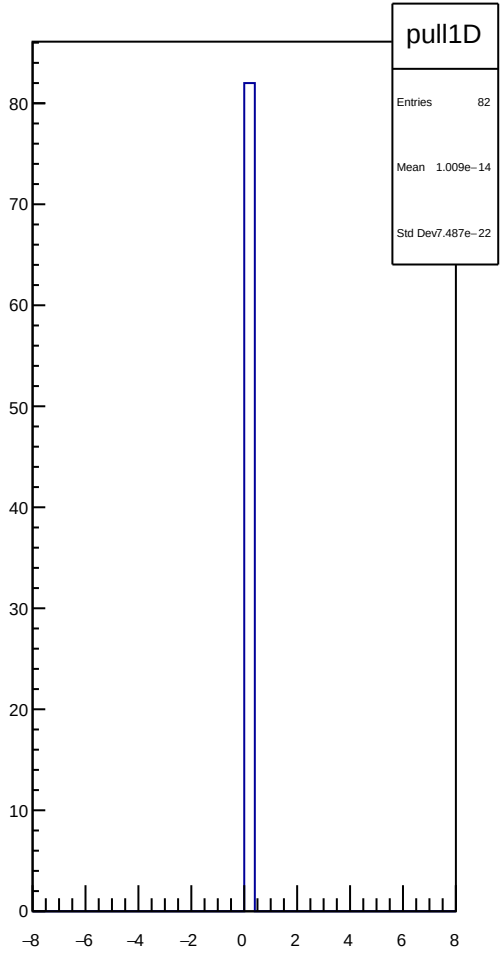



dit_sam1_4aY_slope vs run
χ2 / ndf 1.24e−25 / 81
p0 −51.94 ± 0.06054
−51.4
−51.6
−51.8
−52
−52.2
−52.4
−52.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10−15
0
−5
−10
−15
−20
−25
−30
−35
−40

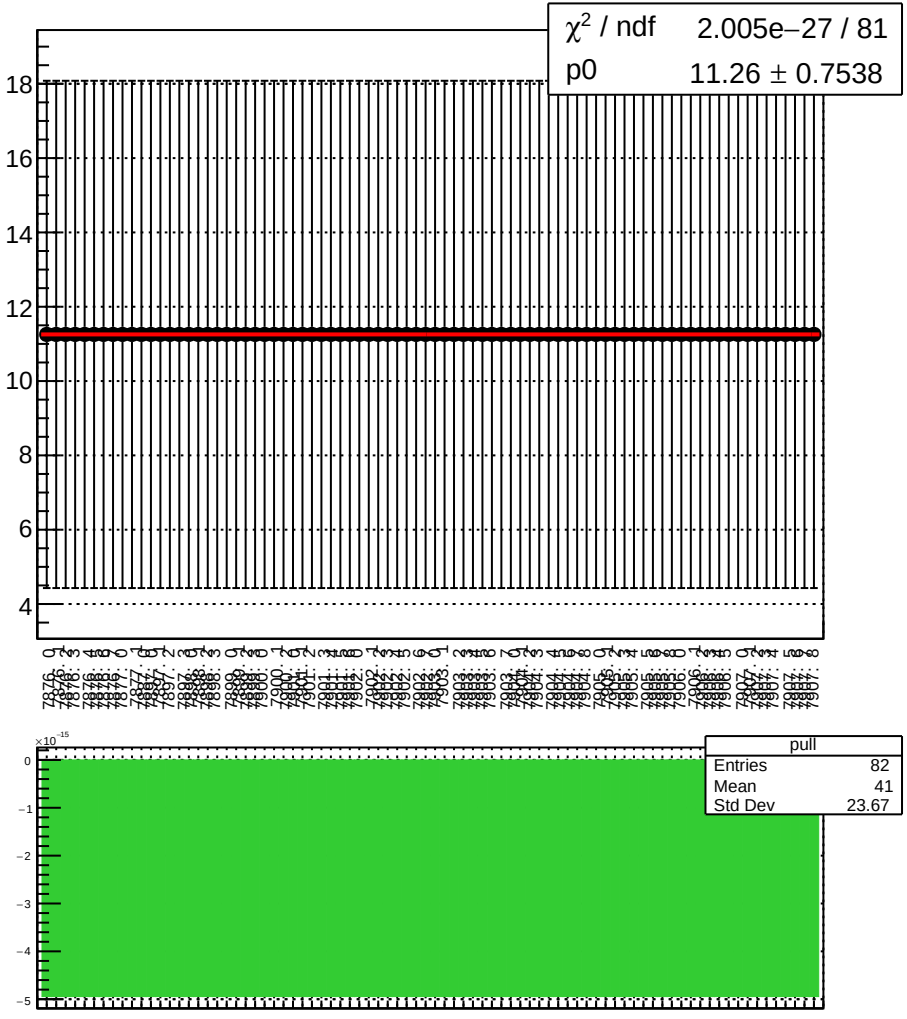

pull1D
Entries 82
Mean −3.888e−14
Std Dev2.118e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

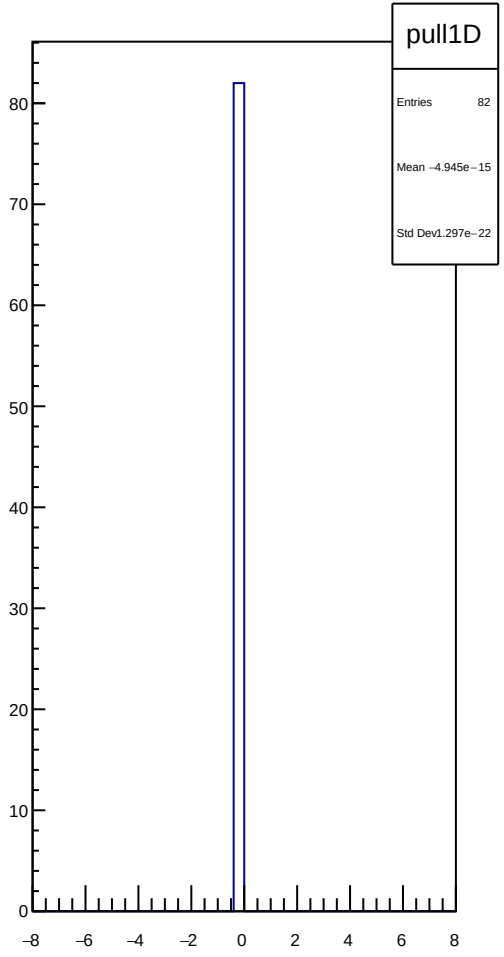
dit_sam1_4eY_slope vs run

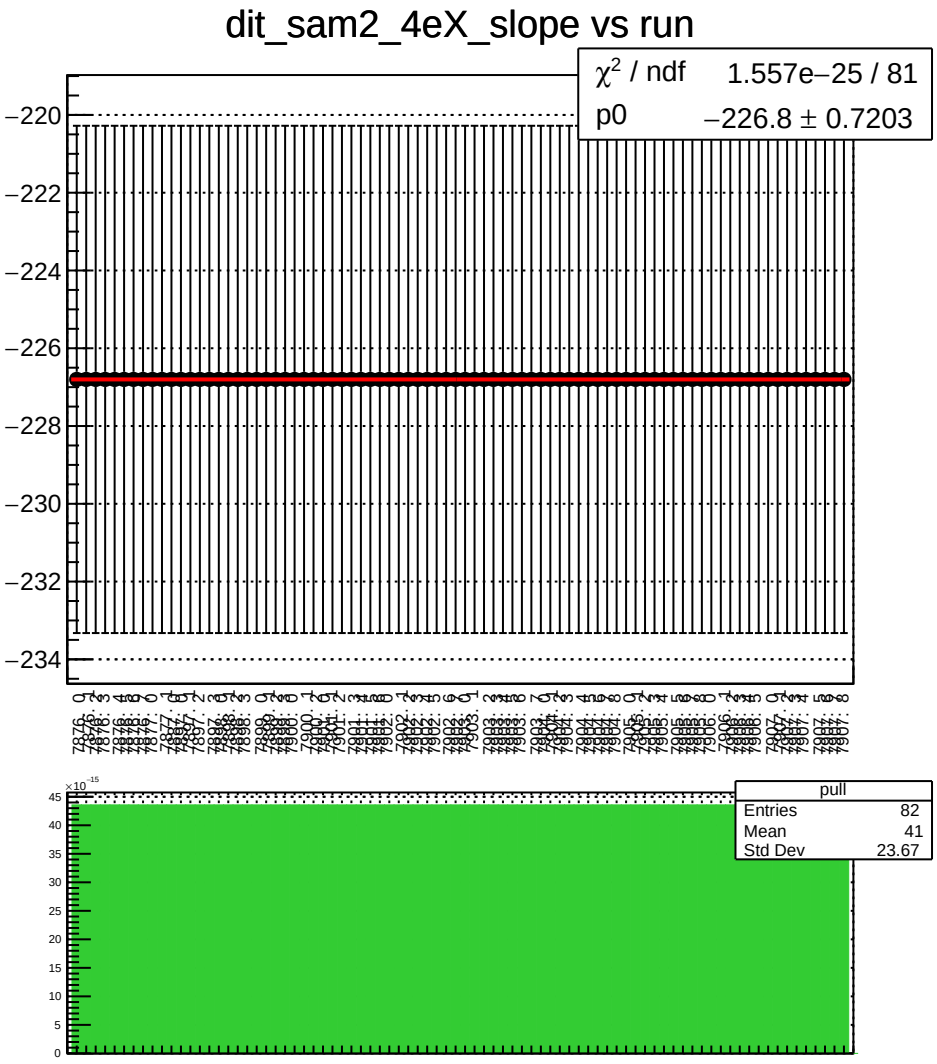


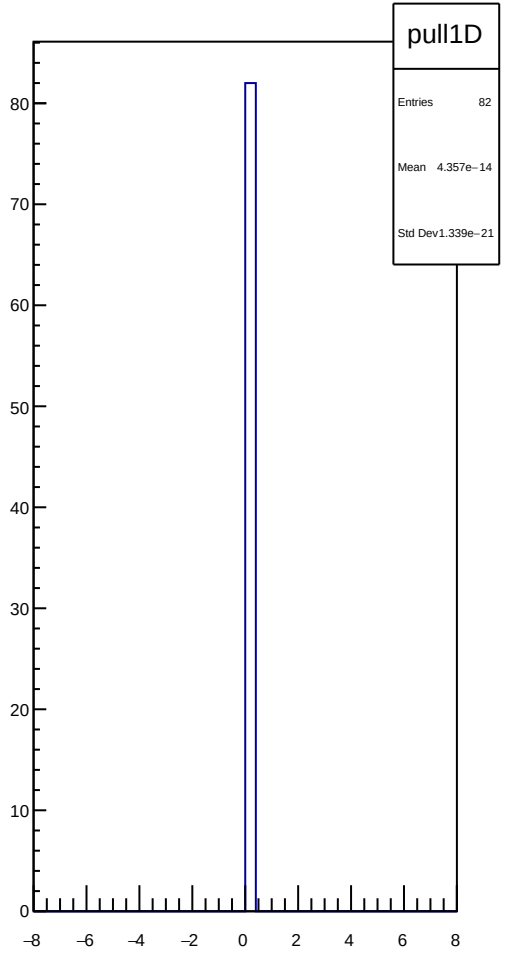


dit_sam2_4aX_slope vs run

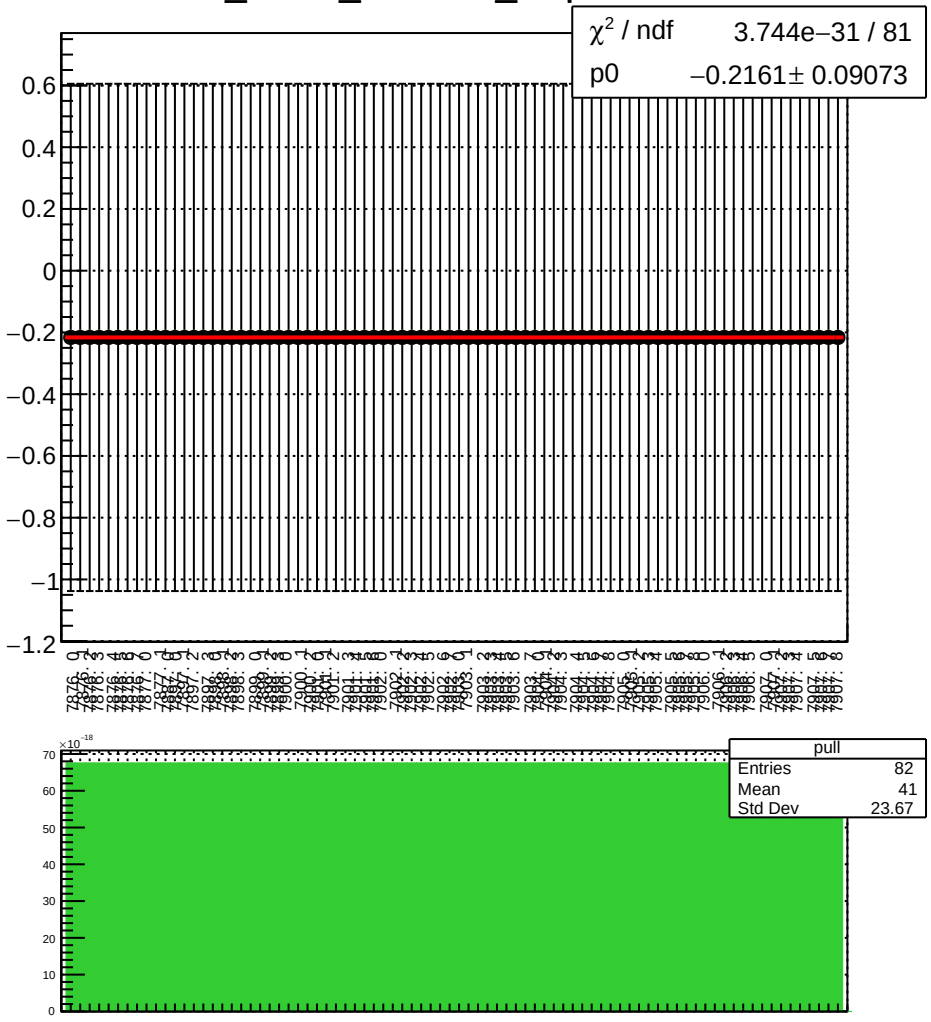


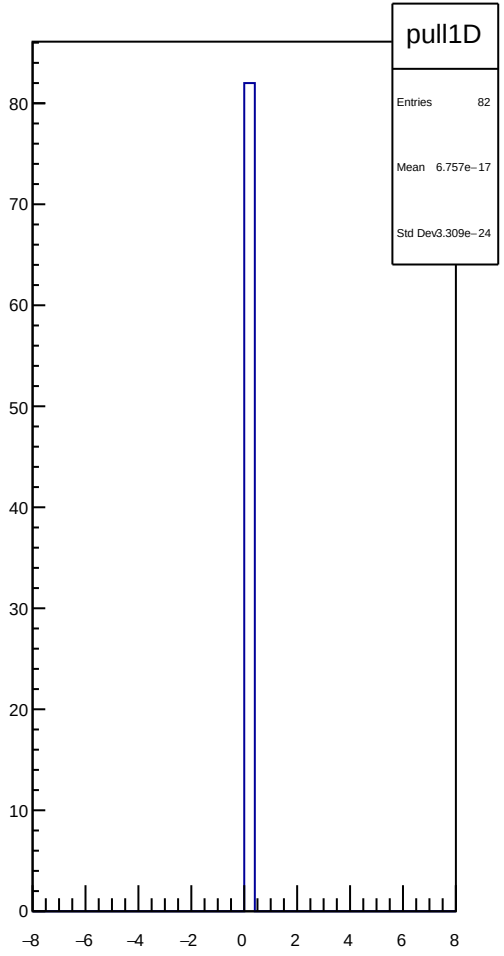



dit_sam2_4eX_slope vs run
χ^2 / ndf 1.557e−25 / 81
p0 −226.8 ± 0.7203
−220
−222
−224
−226
−228
−230
−232
−234
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
45
40
35
30
25
20
15
10
5
0

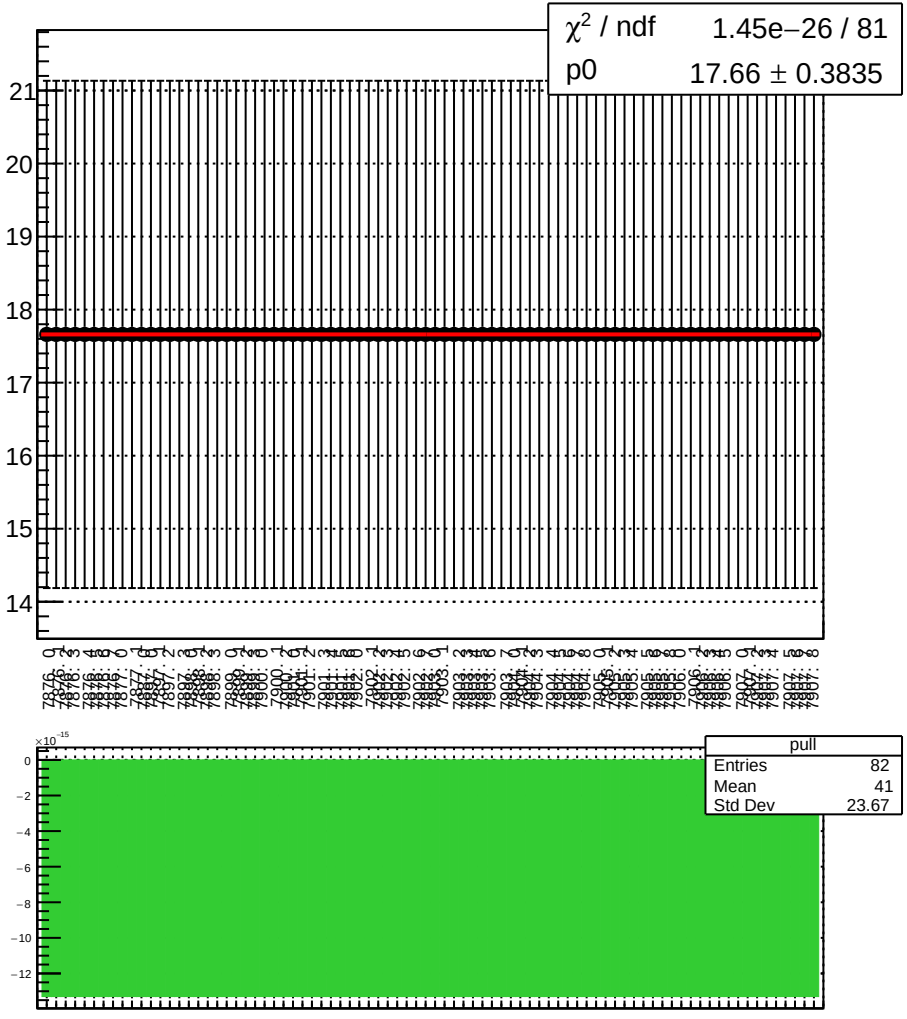

pull1D
Entries 82
Mean 4.357e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

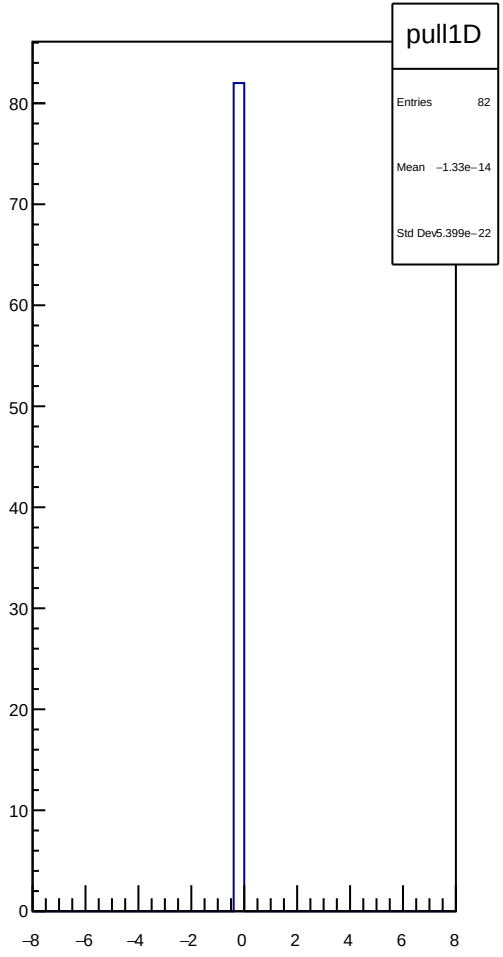
dit_sam2_11X12X_slope vs run

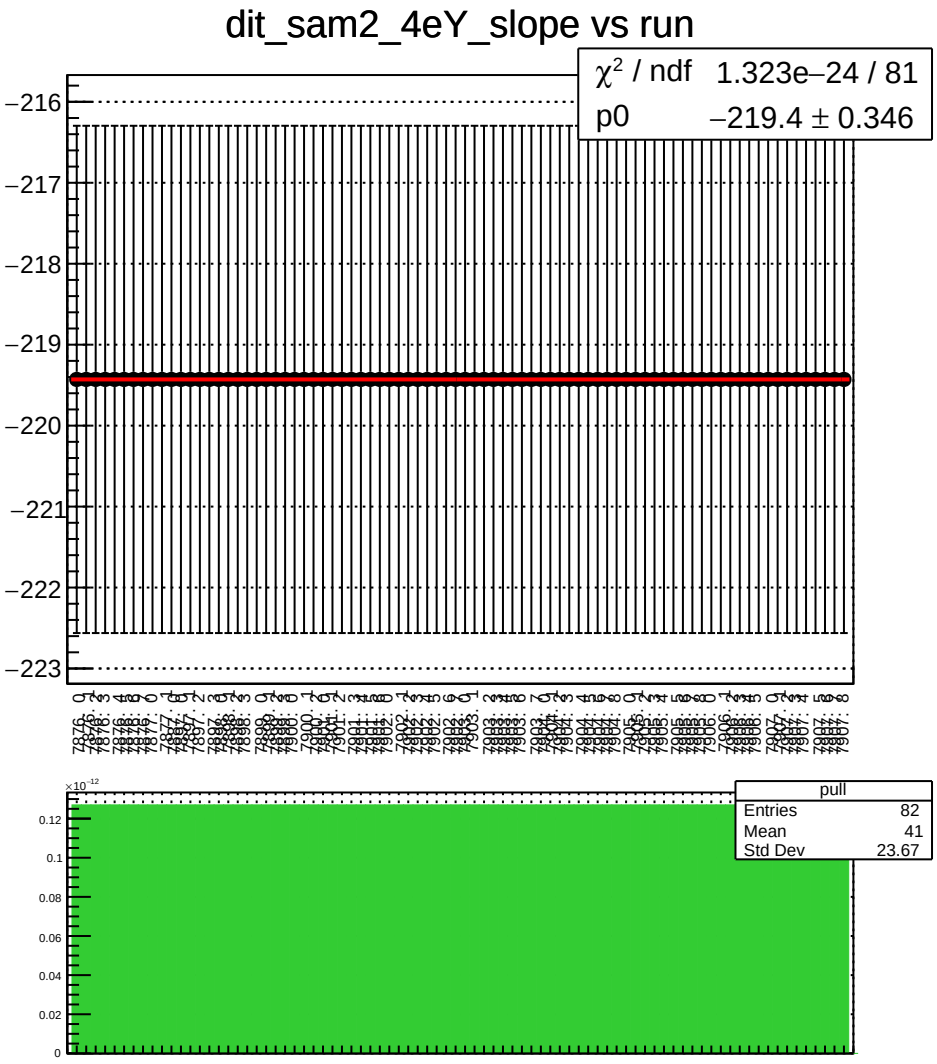


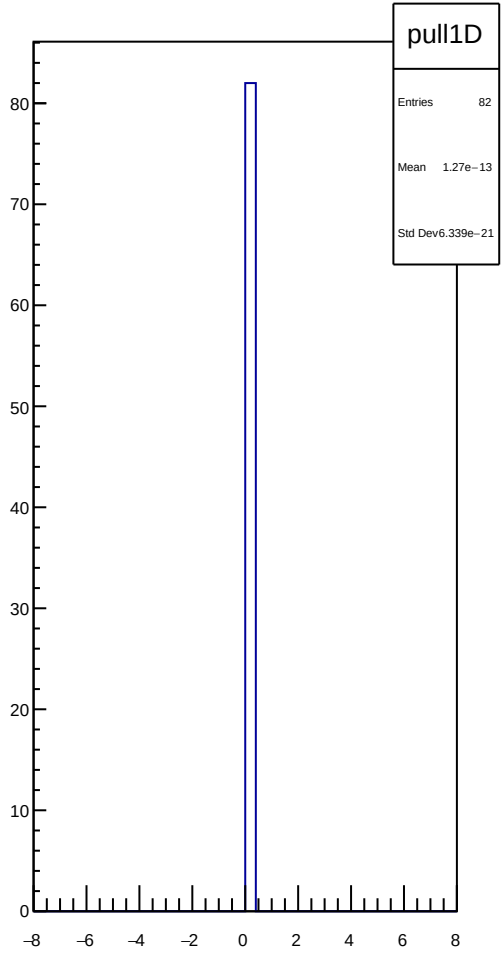


dit_sam2_4aY_slope vs run

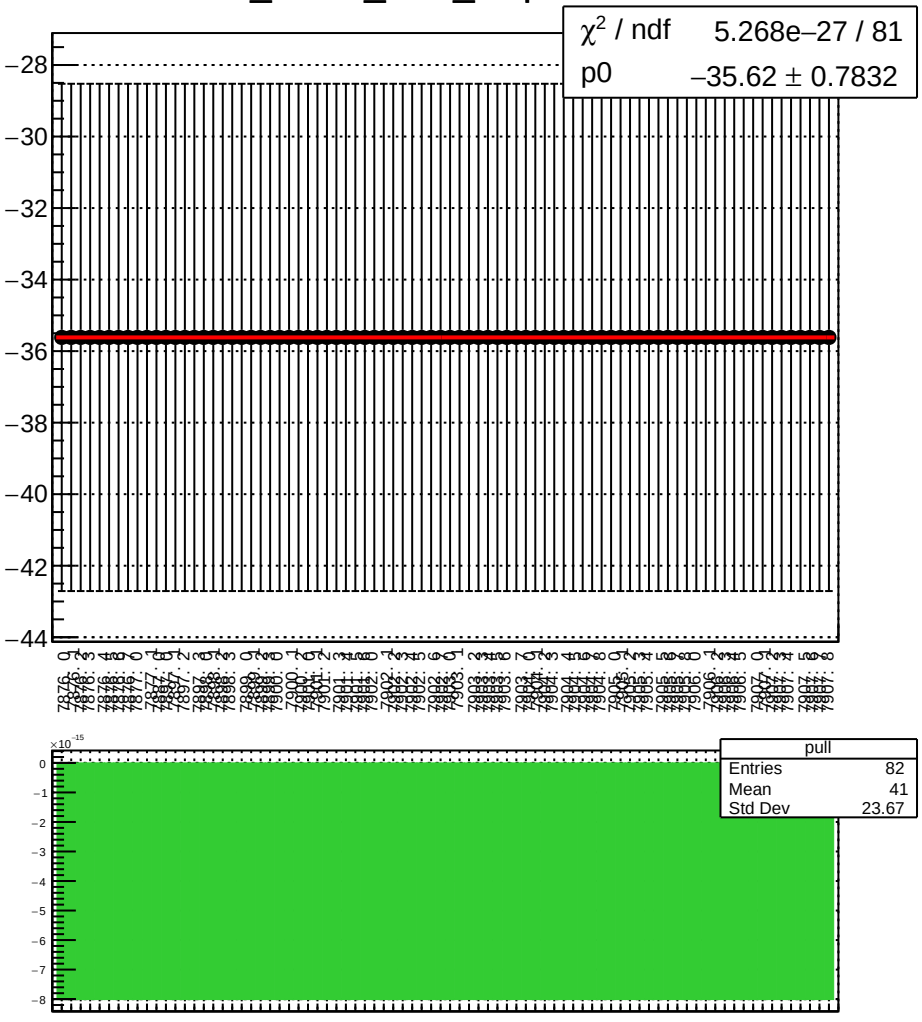


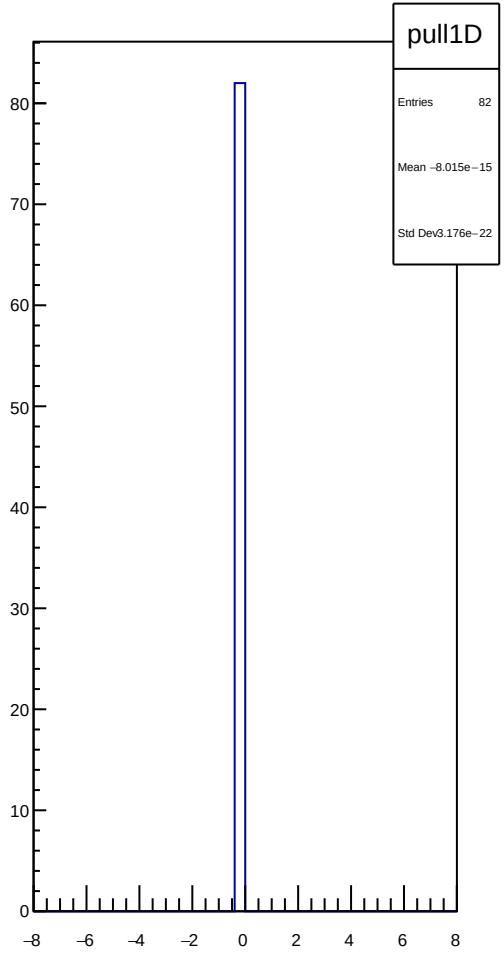



dit_sam2_4eY_slope vs run
χ² / ndf 1.323e−24 / 81
p0 −219.4 ± 0.346
−216
−217
−218
−219
−220
−221
−222
−223
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

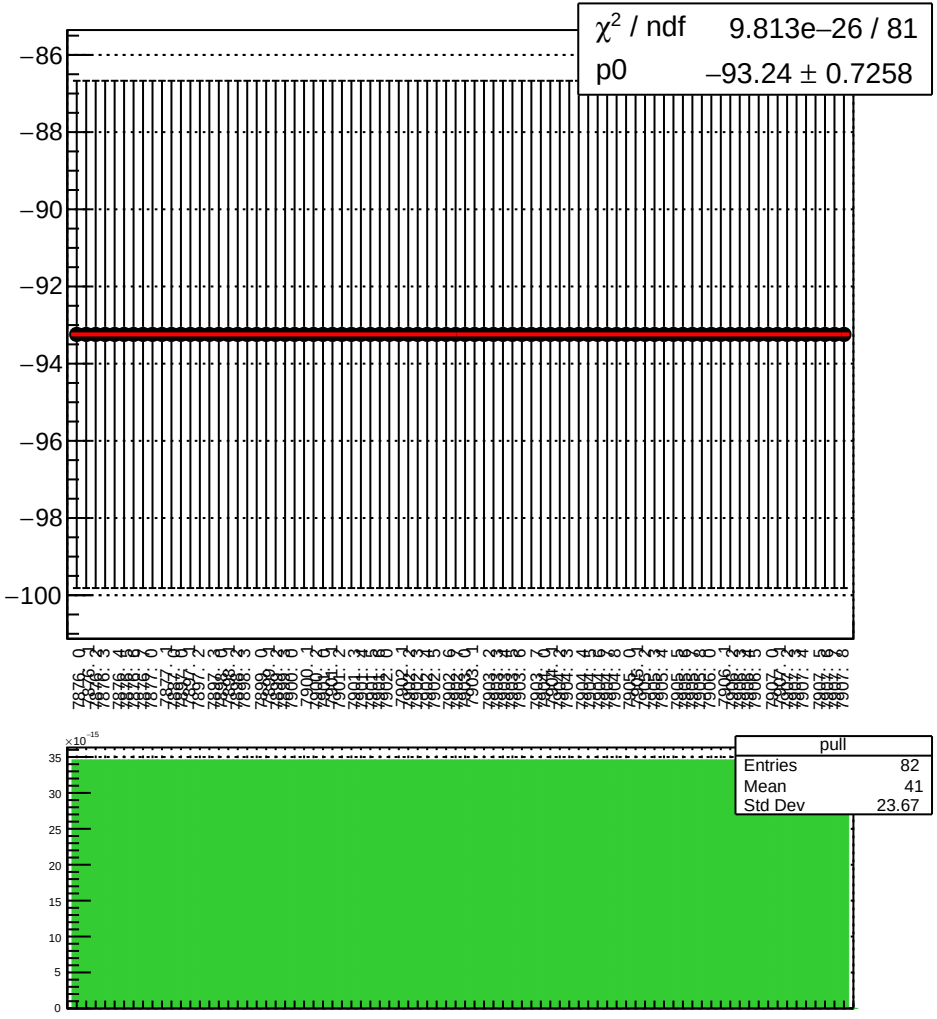

pull1D
Entries 82
Mean 1.27e−13
Std Dev 6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

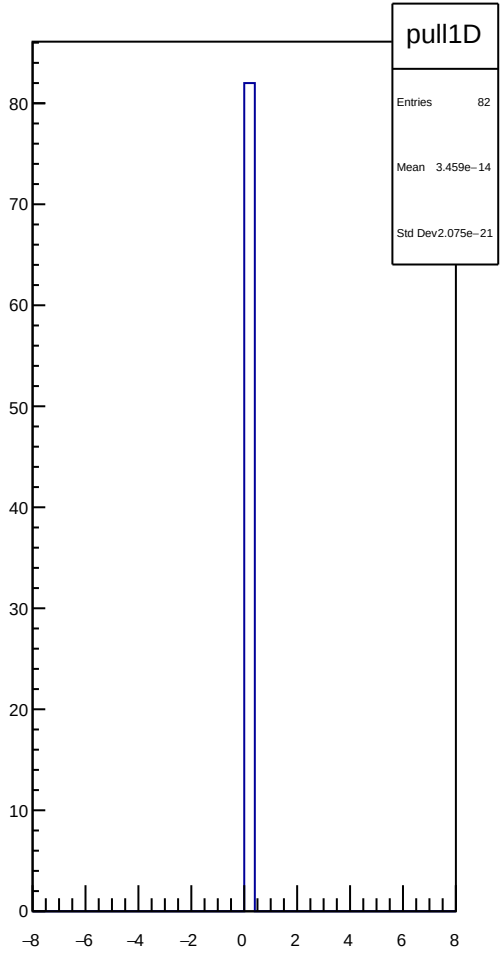
dit_sam3_4aX_slope vs run

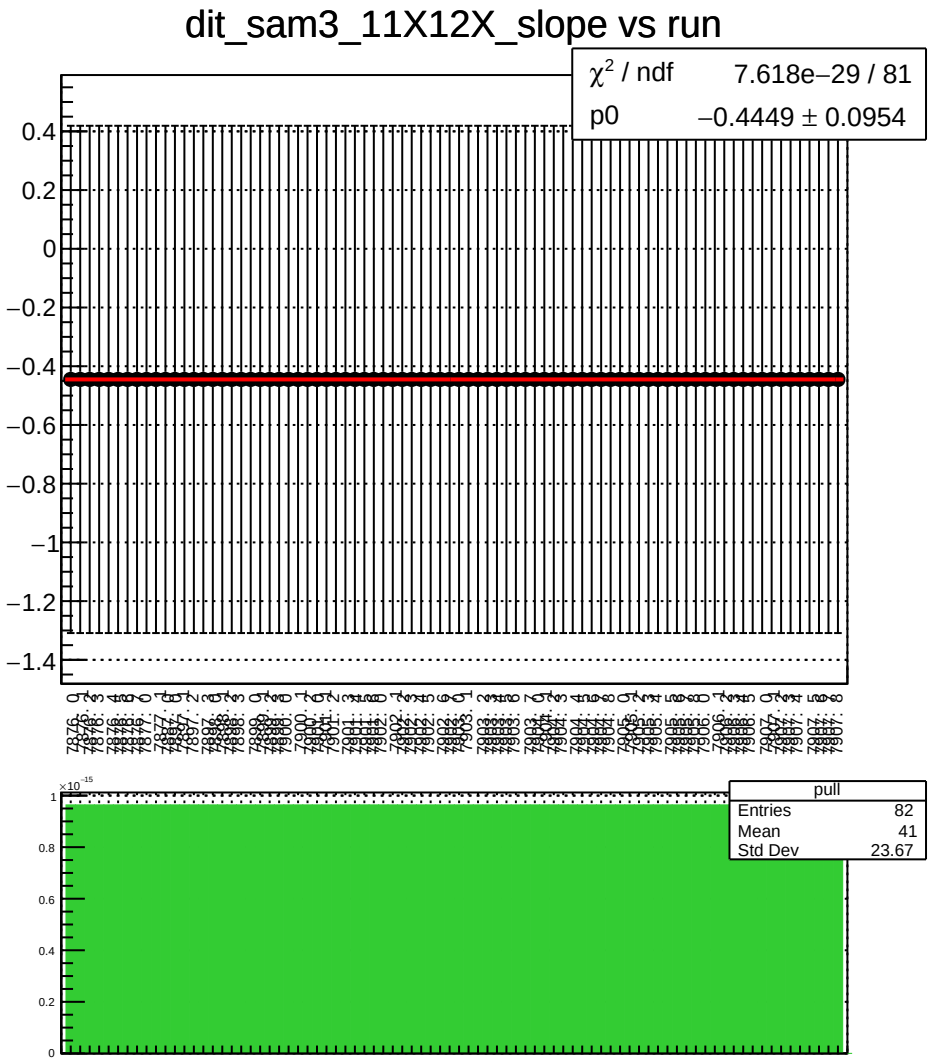


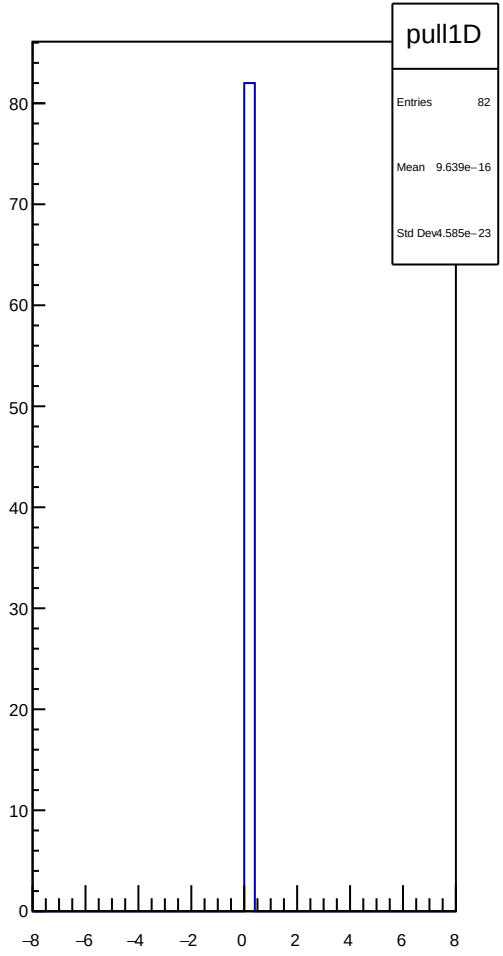


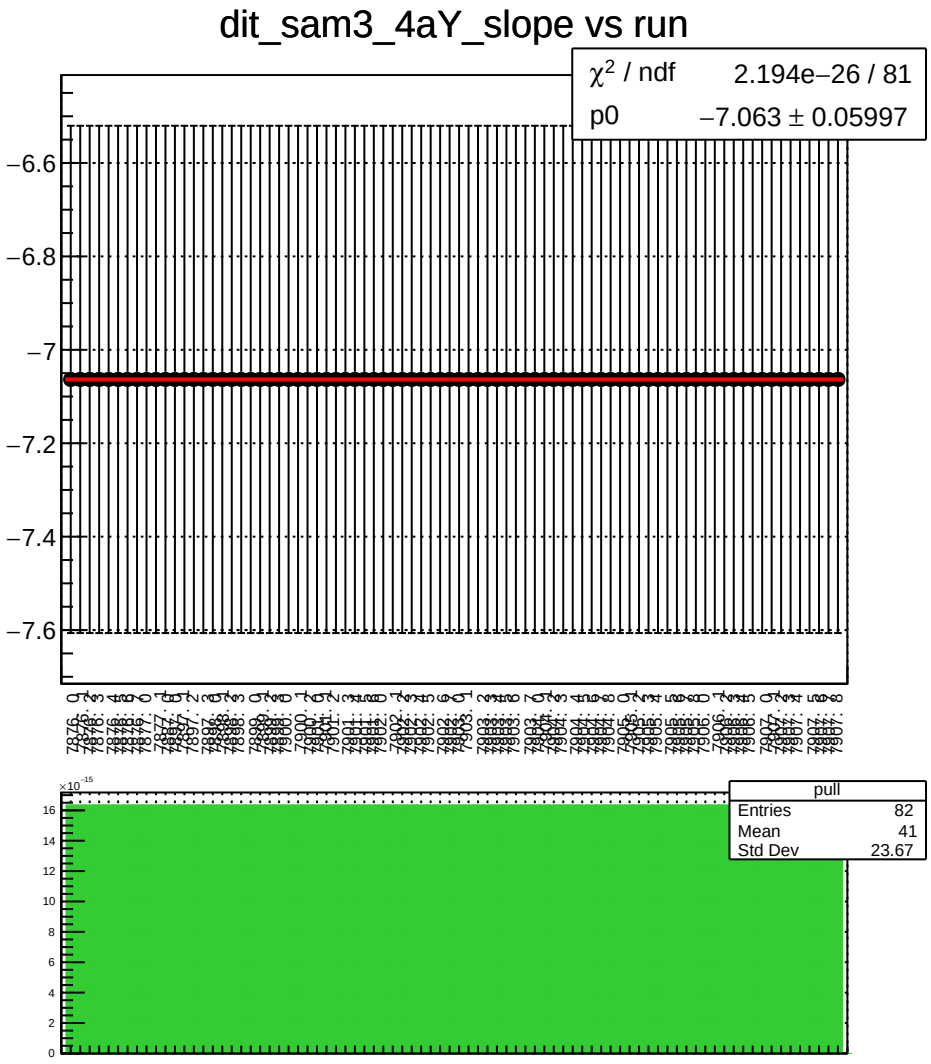
dit_sam3_4eX_slope vs run

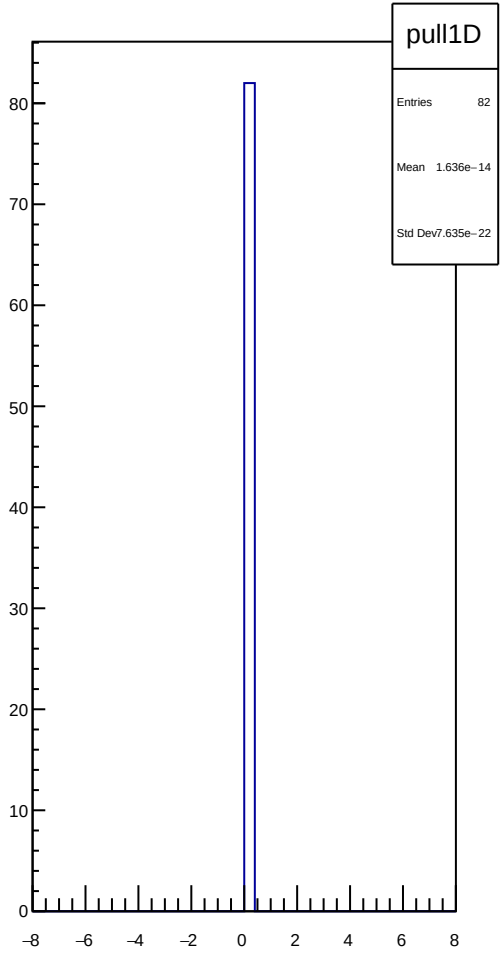




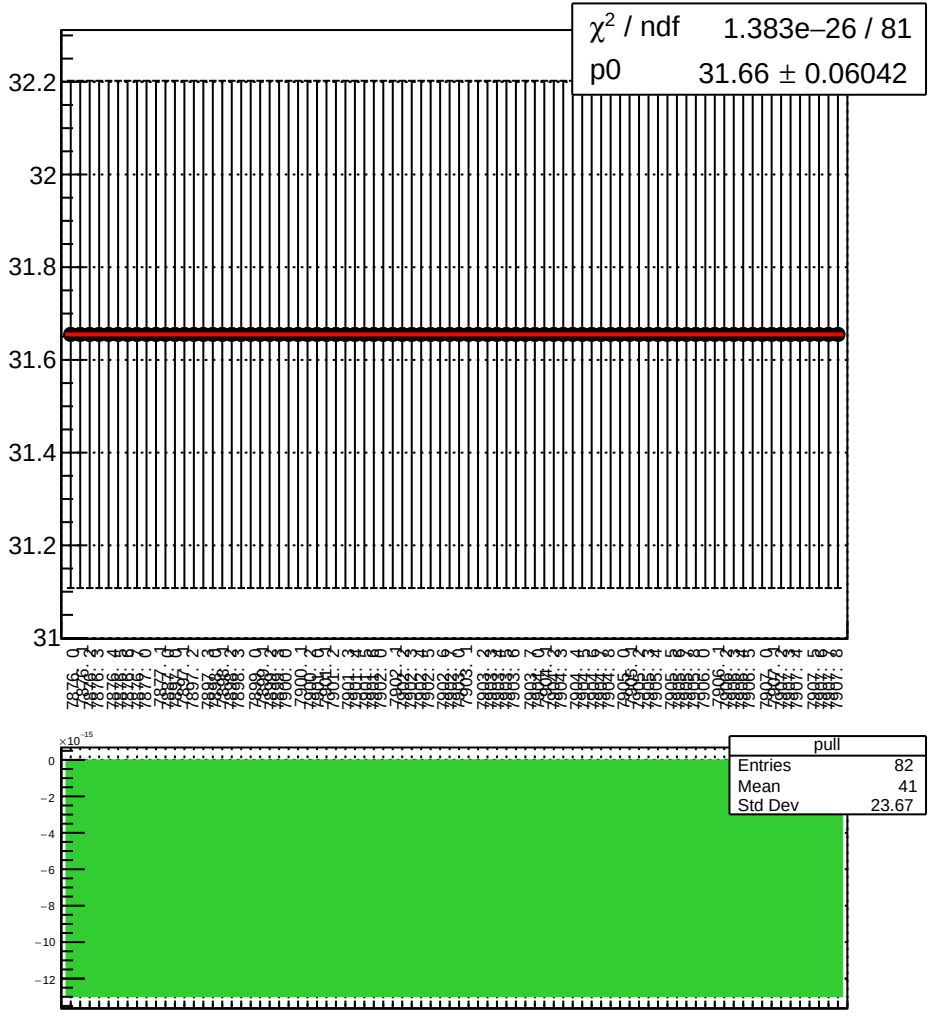

dit_sam3_11X12X_slope vs run
χ^2 / ndf 7.618e−29 / 81
p0 −0.4449 ± 0.0954
pull
Entries 82
Mean 41
Std Dev 23.67

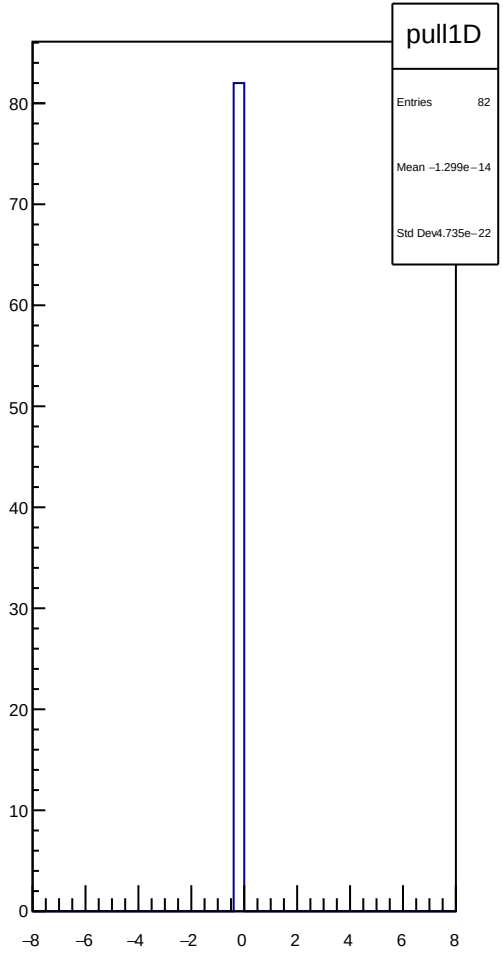

pull1D
Entries 82
Mean 9.639e−16
Std Dev 4.585e−23


dit_sam3_4aY_slope vs run
χ^2 / ndf 2.194e−26 / 81
p0 −7.063 ± 0.05997
−6.6
−6.8
−7
−7.2
−7.4
−7.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
16
14
12
10
8
6
4
2
0

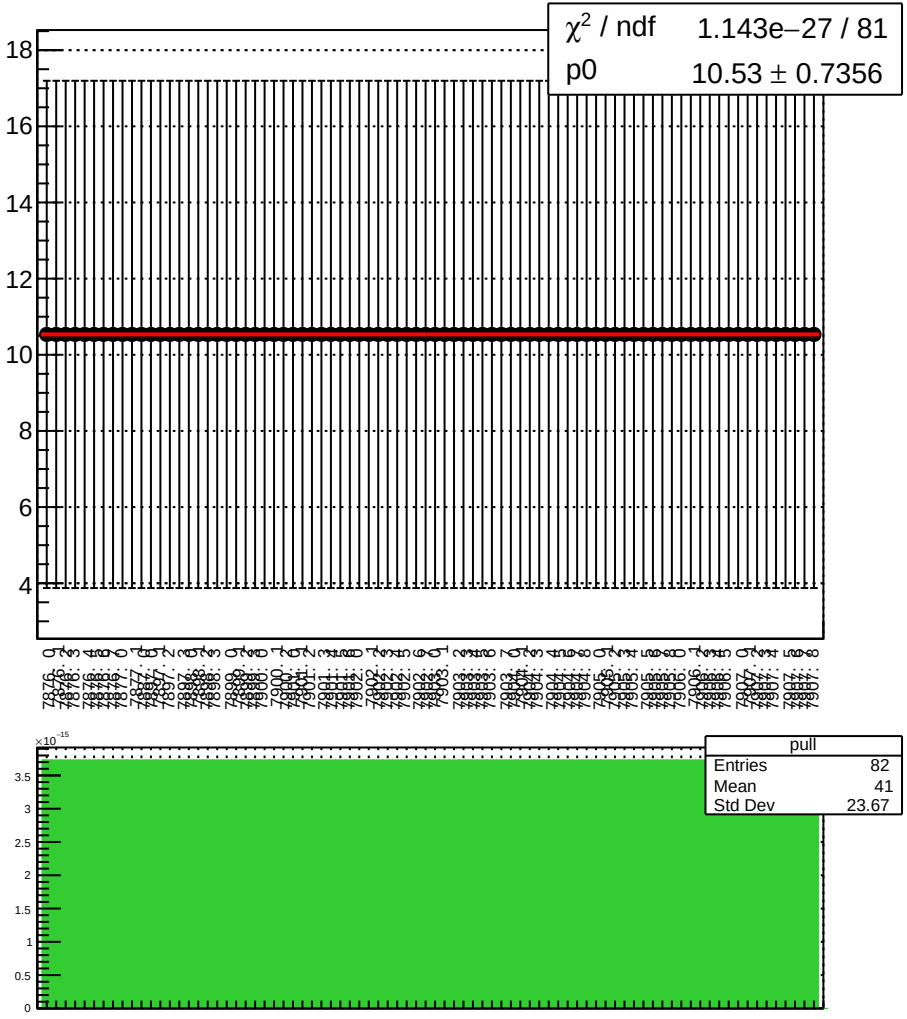

pull1D
Entries 82
Mean 1.636e−14
Std Dev 7.635e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

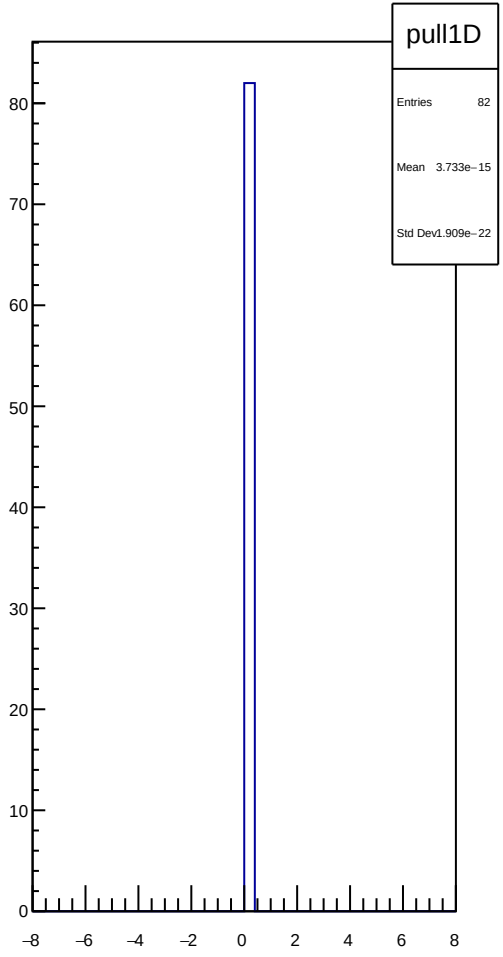
dit_sam3_4eY_slope vs run

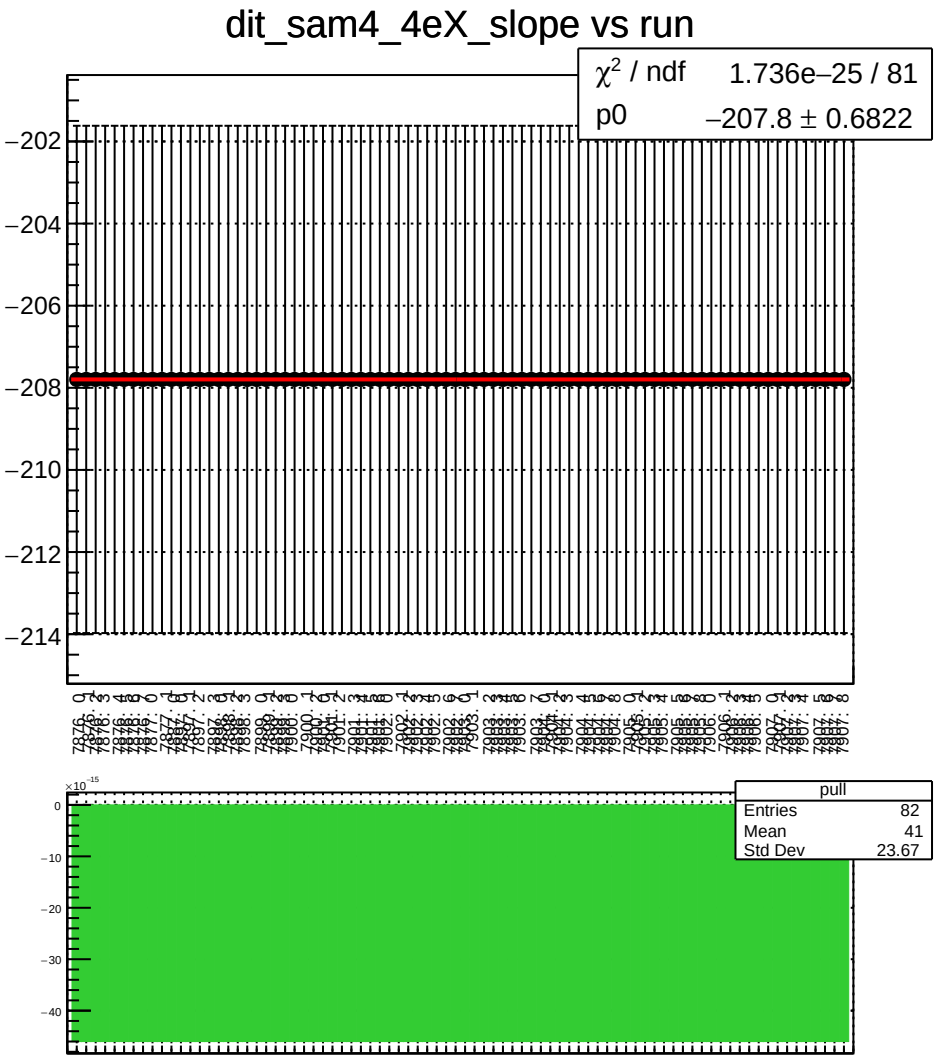


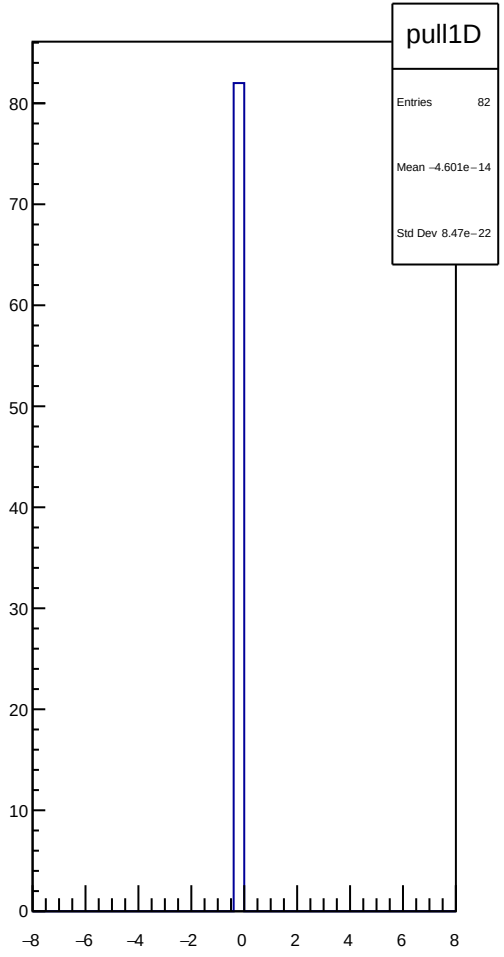


dit_sam4_4aX_slope vs run

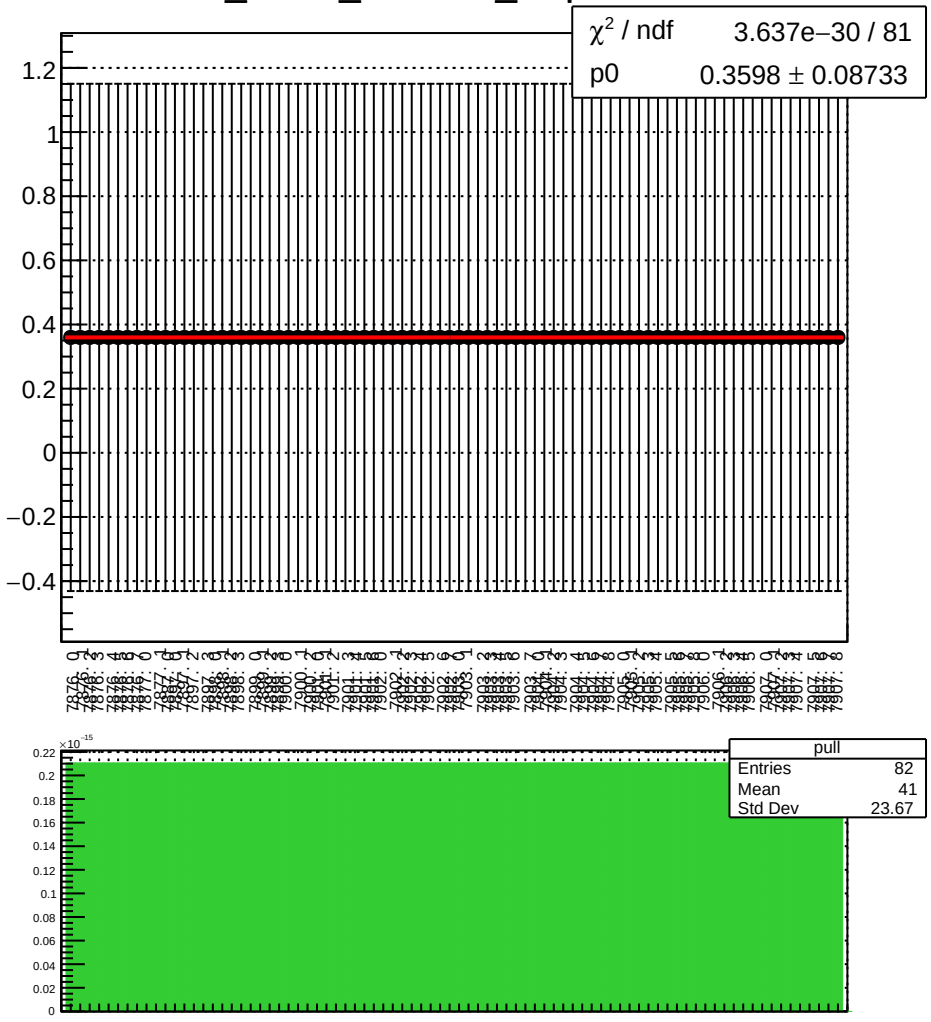


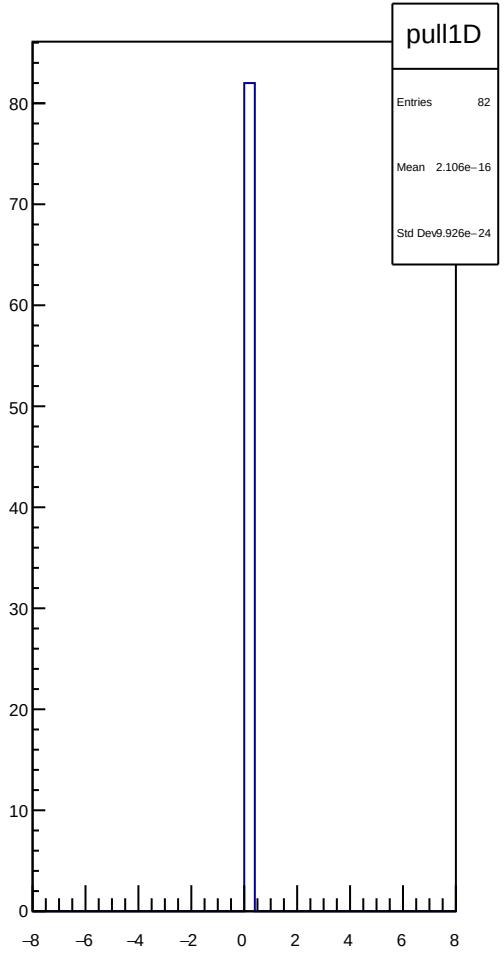



dit_sam4_4eX_slope vs run
χ^2 / ndf 1.736e−25 / 81
p0 −207.8 ± 0.6822
−202
−204
−206
−208
−210
−212
−214
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−10
−20
−30
−40

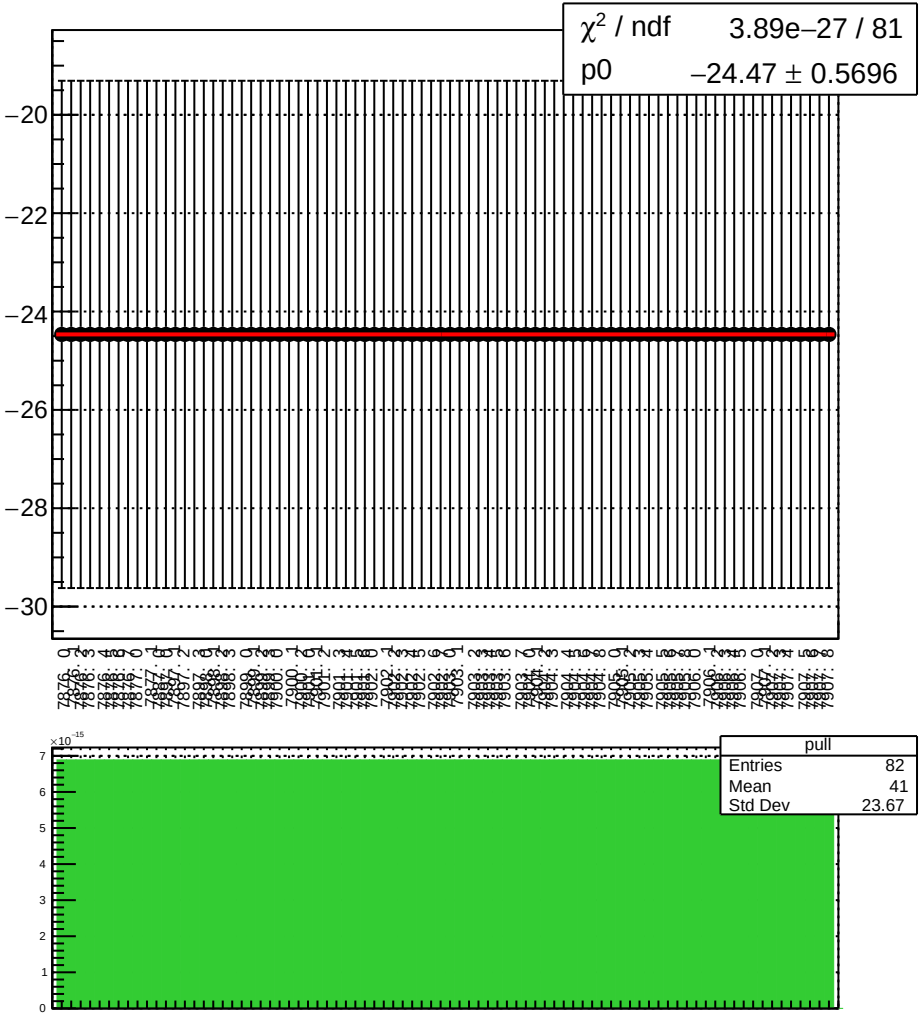

pull1D
Entries 82
Mean −4.601e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

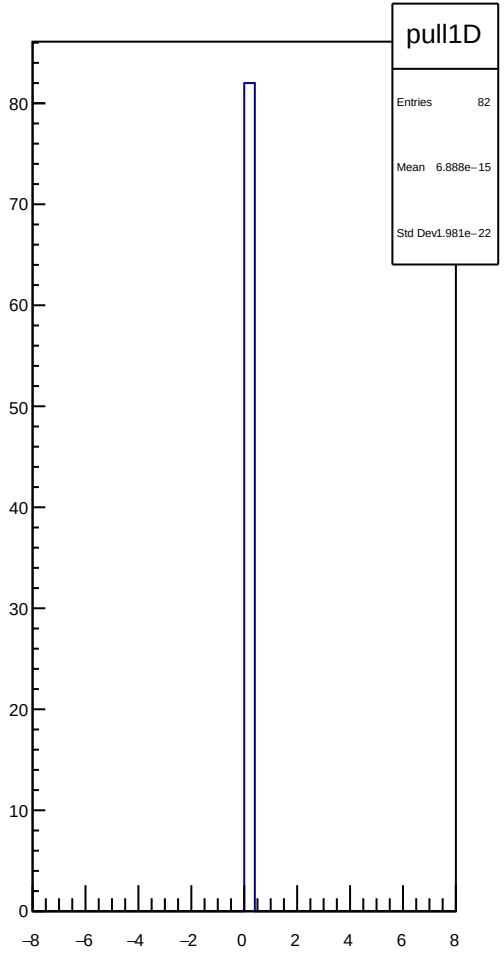
dit_sam4_11X12X_slope vs run

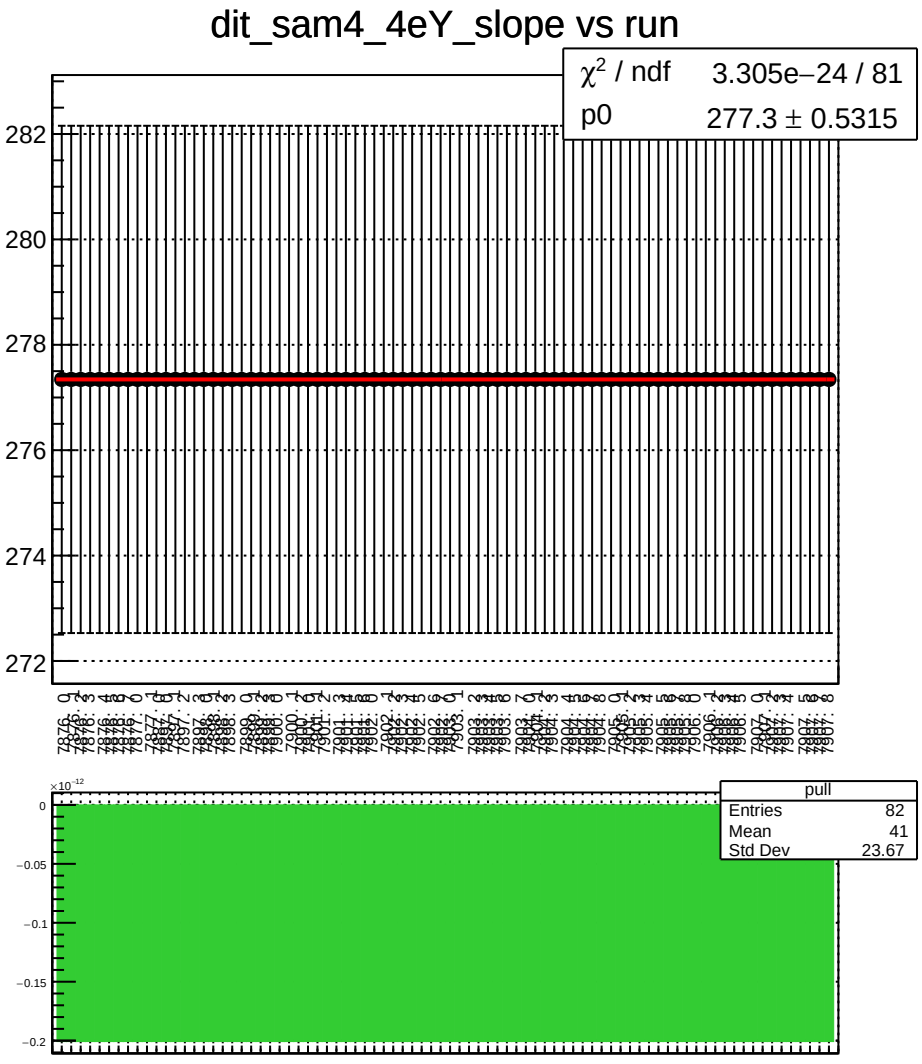


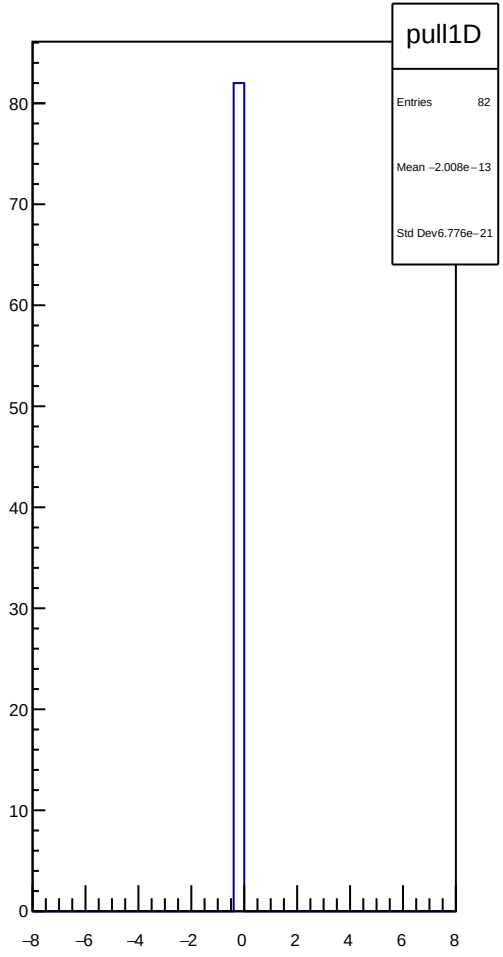


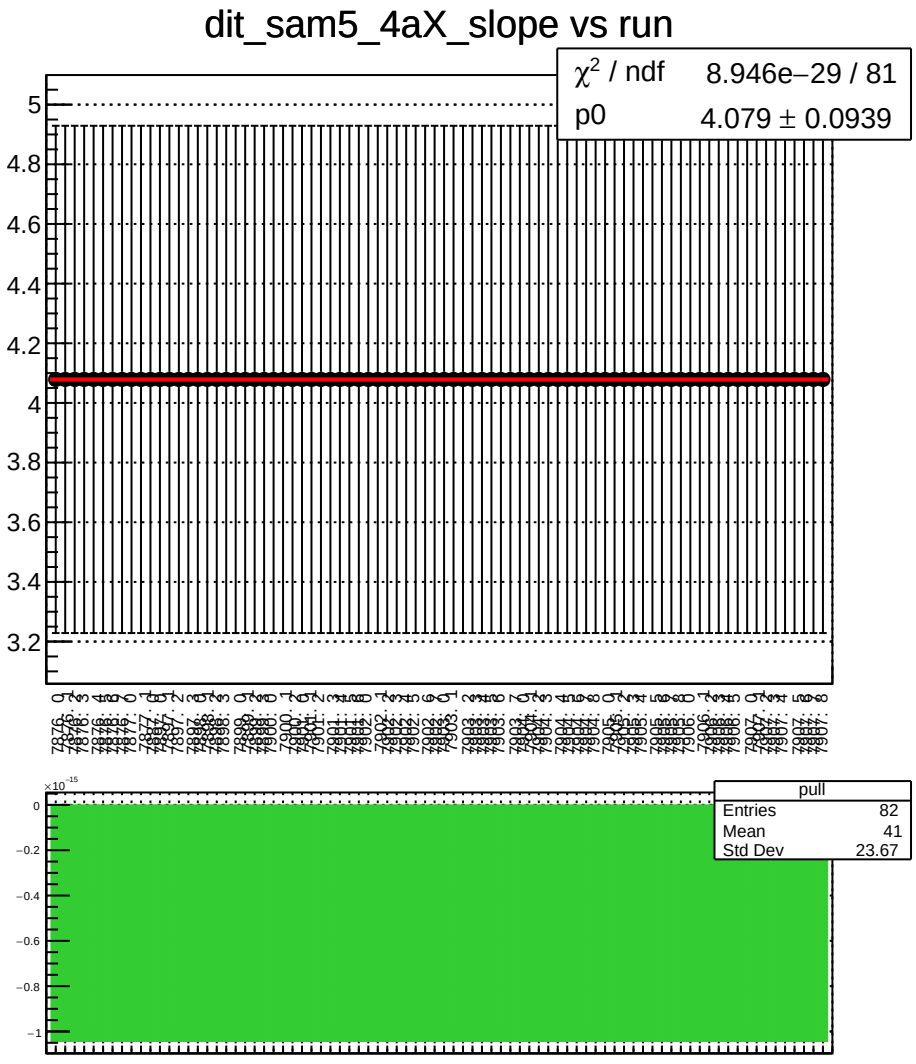
dit_sam4_4aY_slope vs run

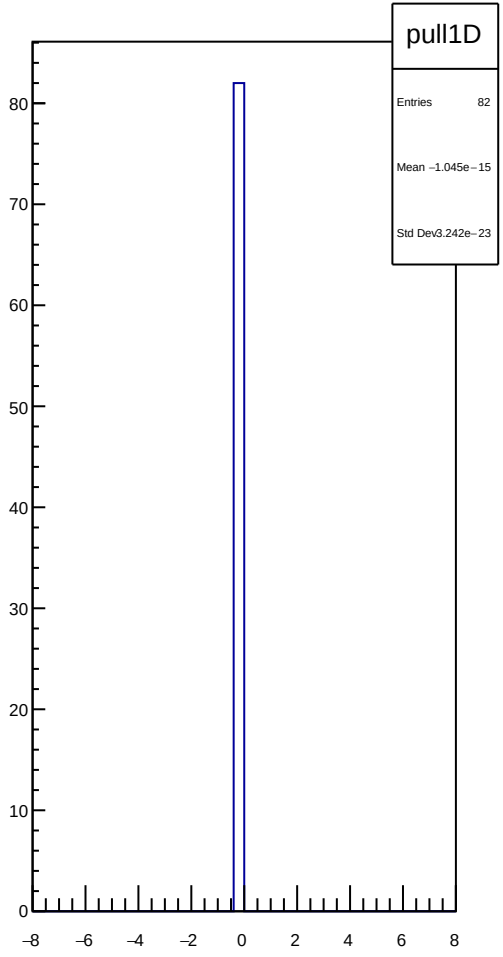




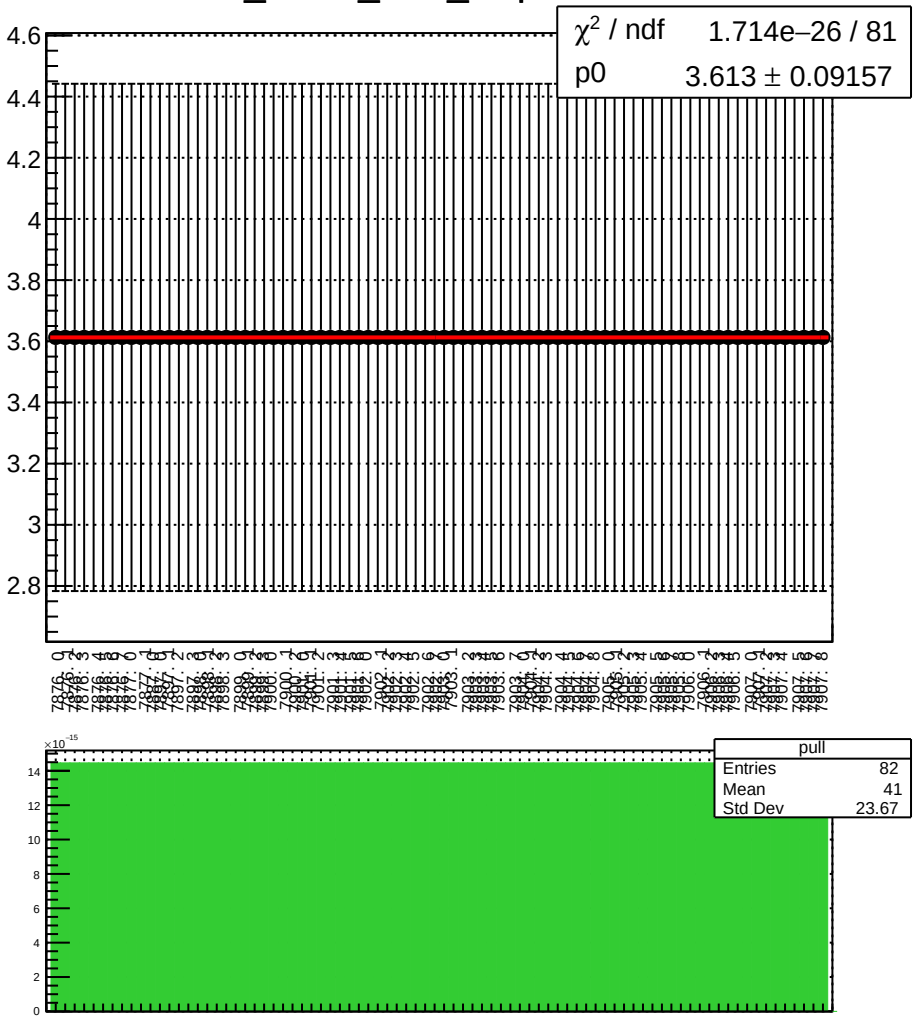

dit_sam4_4eY_slope vs run
χ^2 / ndf 3.305e−24 / 81
p0 277.3 ± 0.5315
282
280
278
276
274
272
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.05
−0.1
−0.15
−0.2

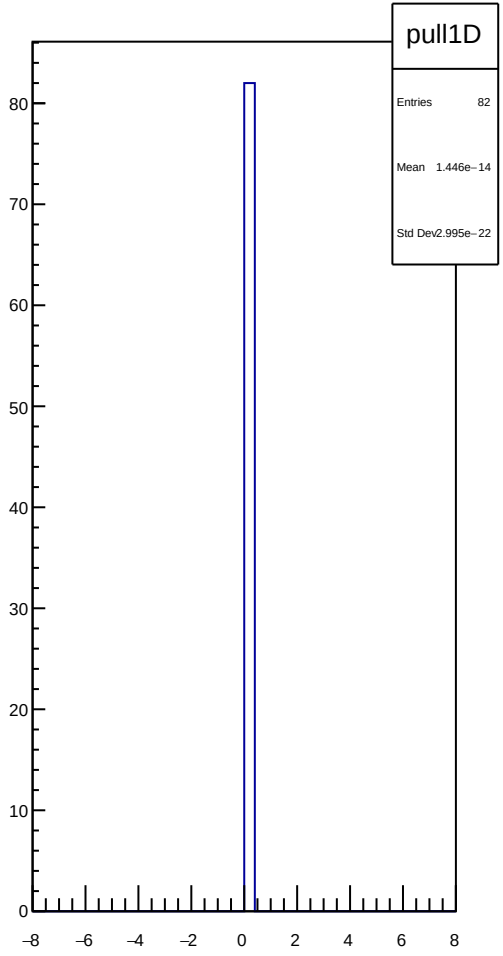

pull1D
Entries 82
Mean −2.008e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_4aX_slope vs run
χ^2 / ndf 8.946e−29 / 81
p0 4.079 ± 0.0939
pull
Entries 82
Mean 41
Std Dev 23.67

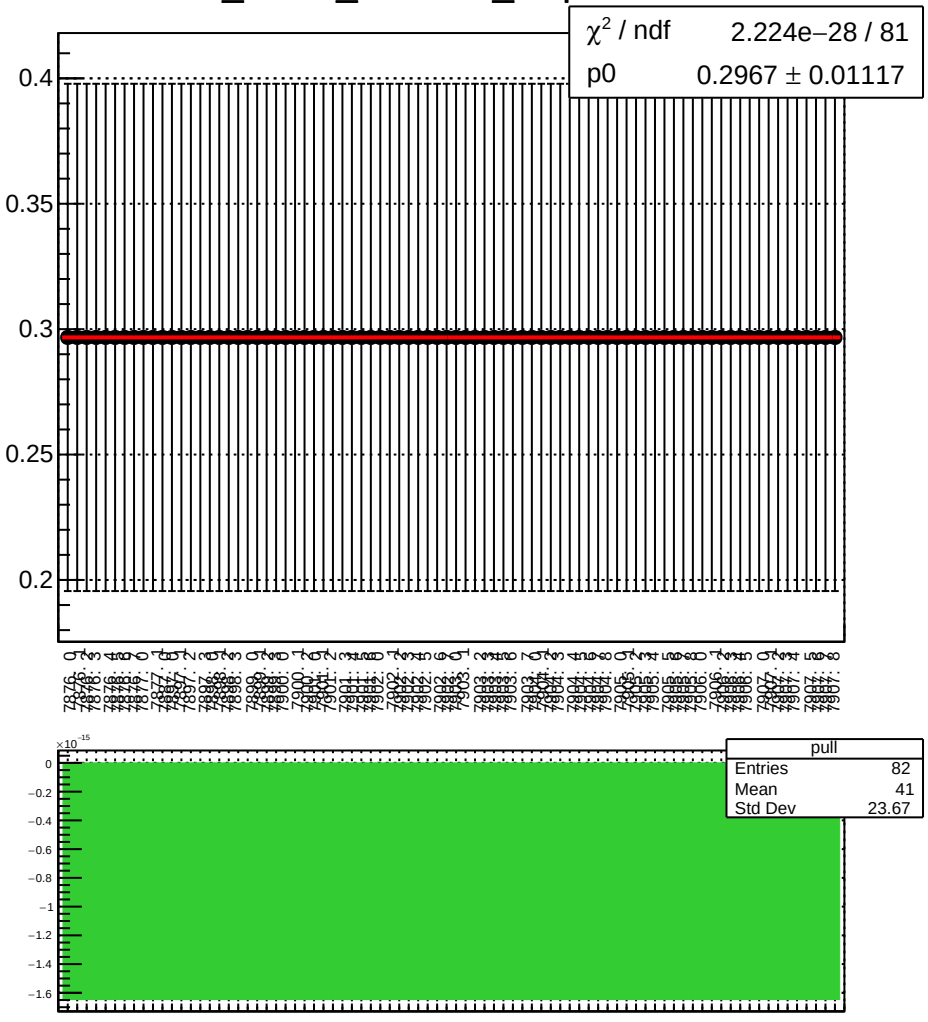

pull1D
Entries 82
Mean −1.045e−15
Std Dev3.242e−23

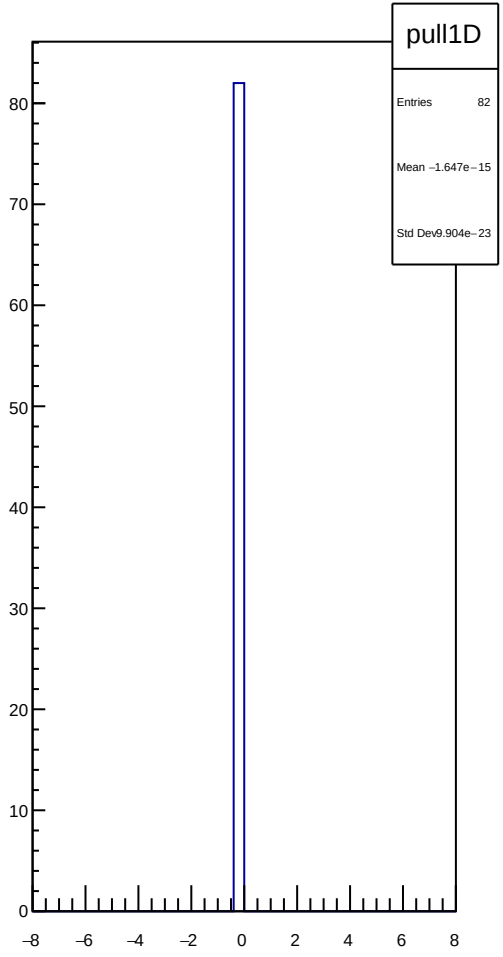
dit_sam5_4eX_slope vs run

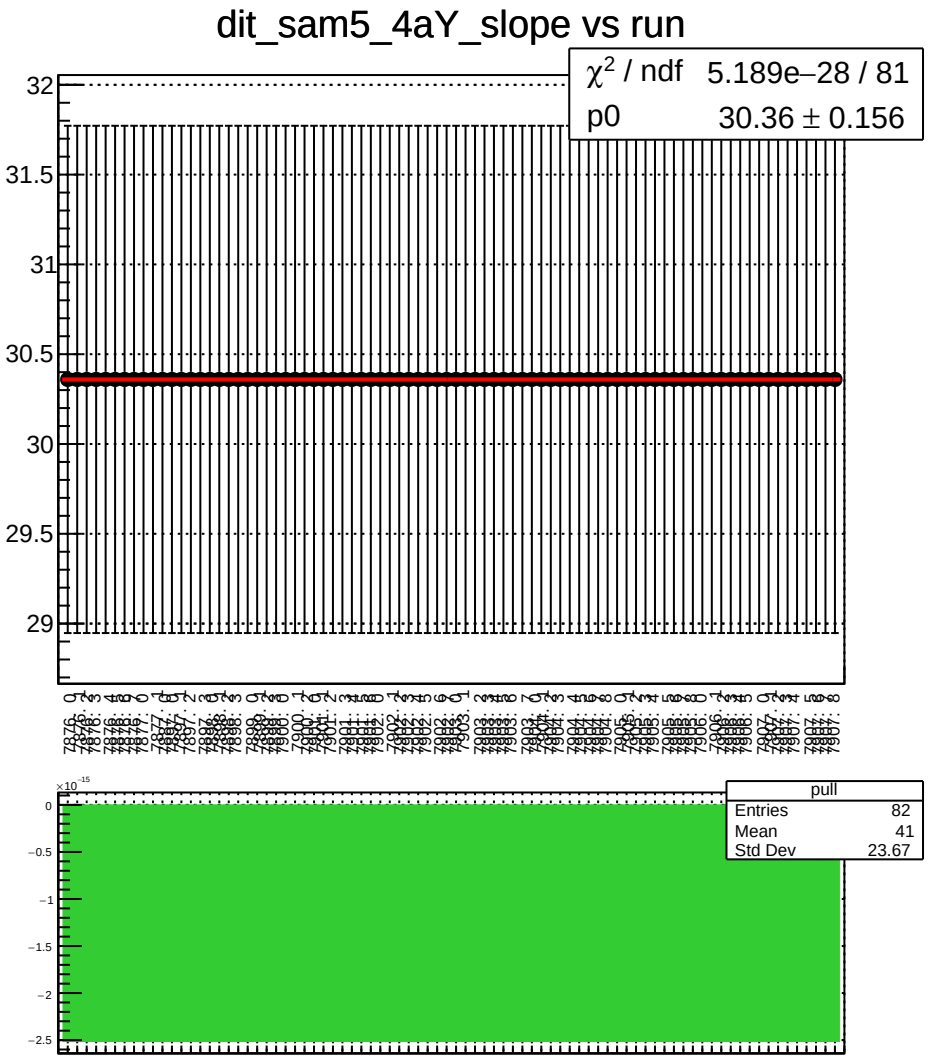


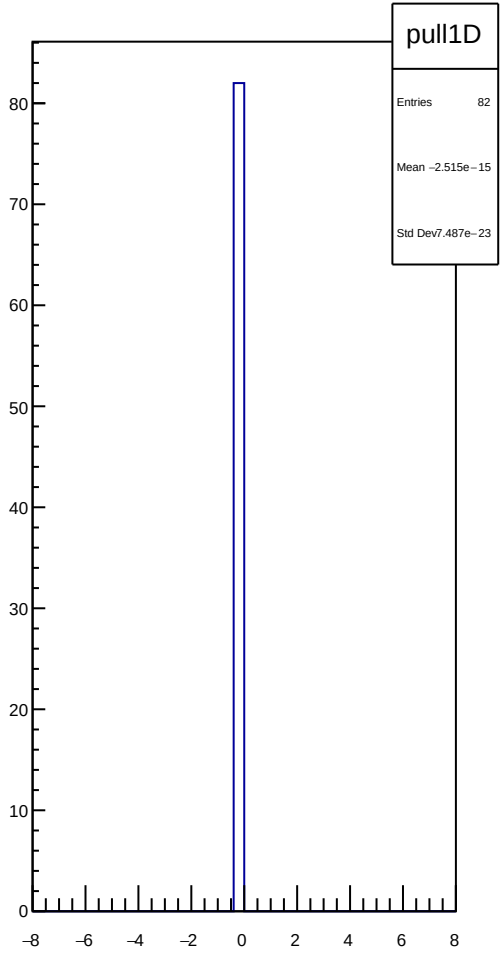


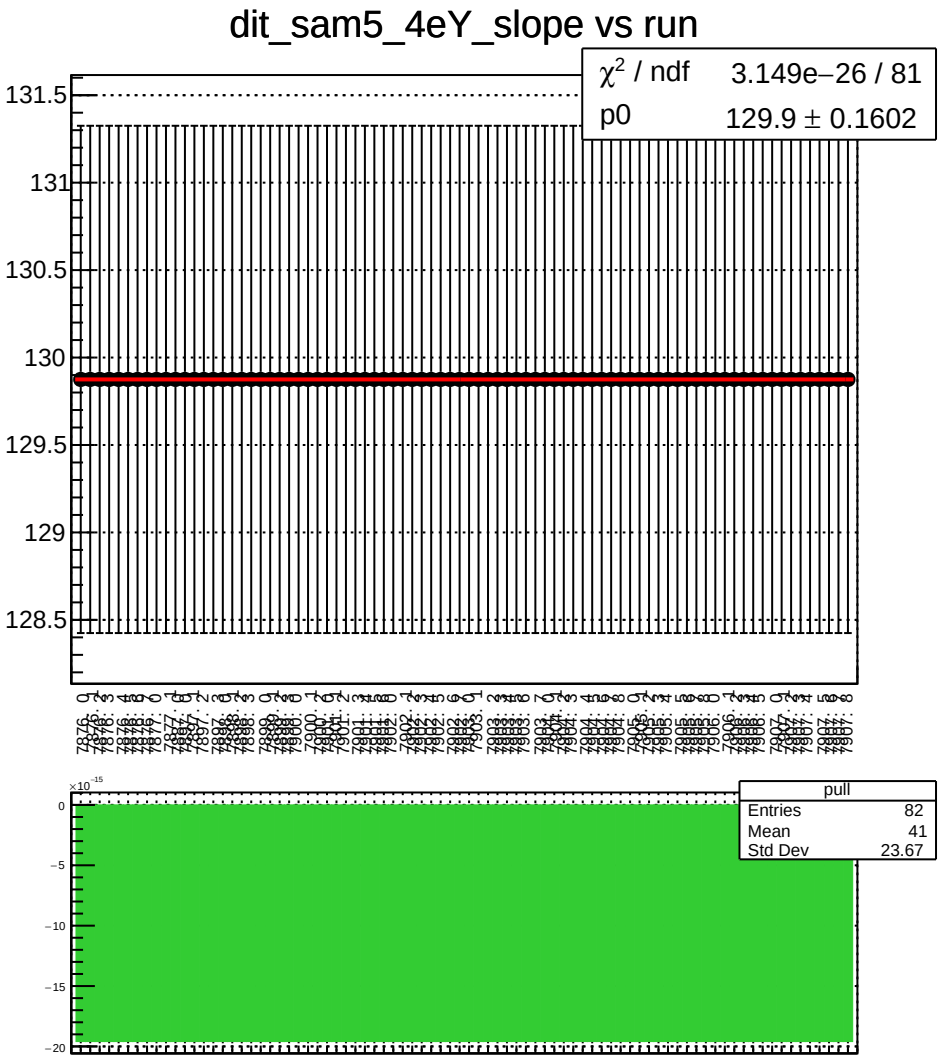
dit_sam5_11X12X_slope vs run

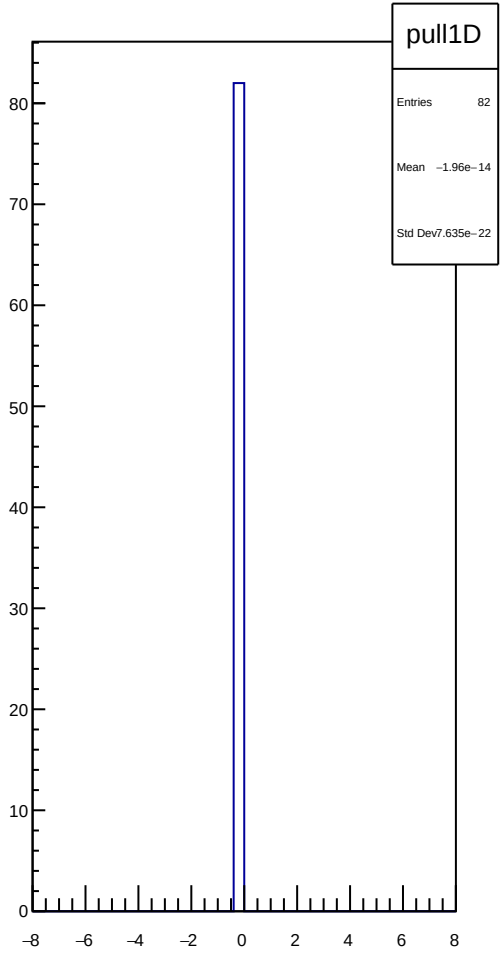




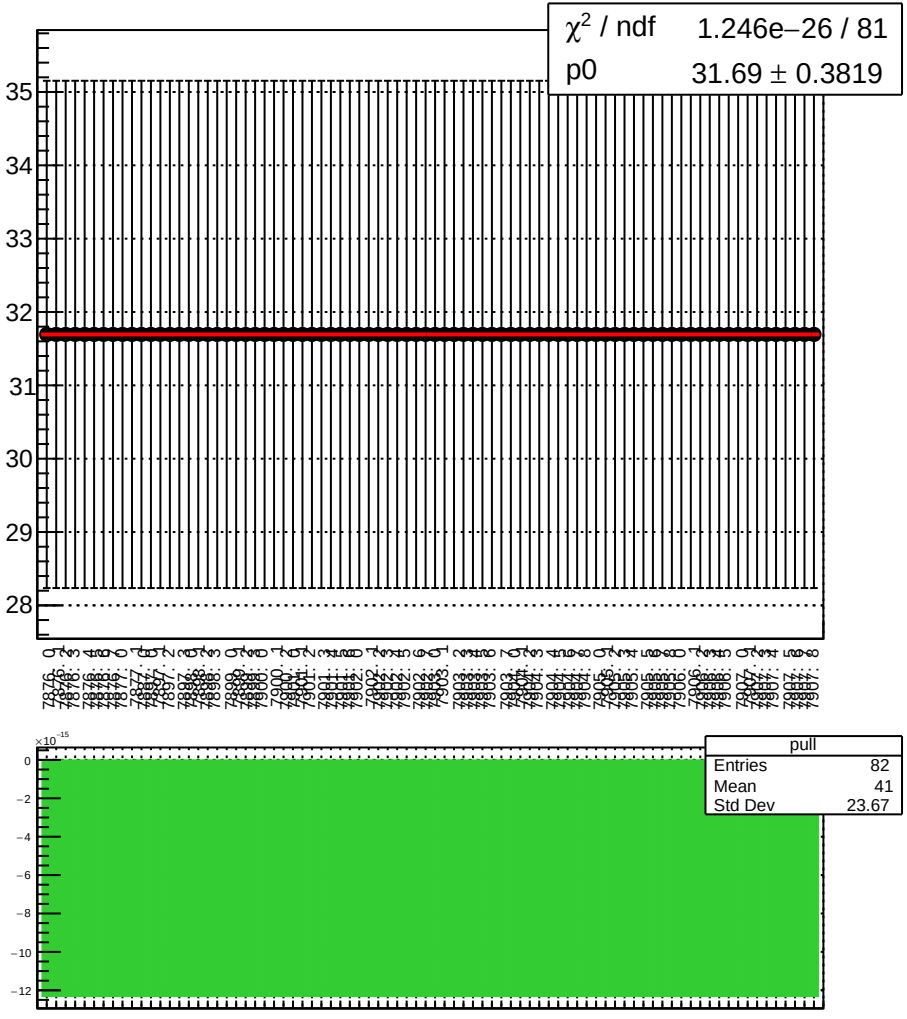

dit_sam5_4aY_slope vs run
χ^2 / ndf 5.189e−28 / 81
p0 30.36 ± 0.156
32
31.5
31
30.5
30
29.5
29
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−0.5
−1
−1.5
−2
−2.5

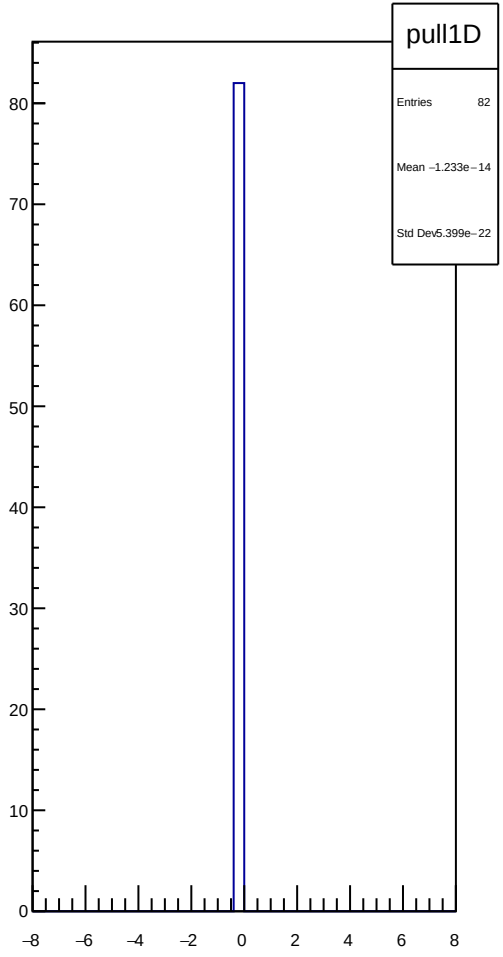

pull1D
Entries 82
Mean −2.515e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

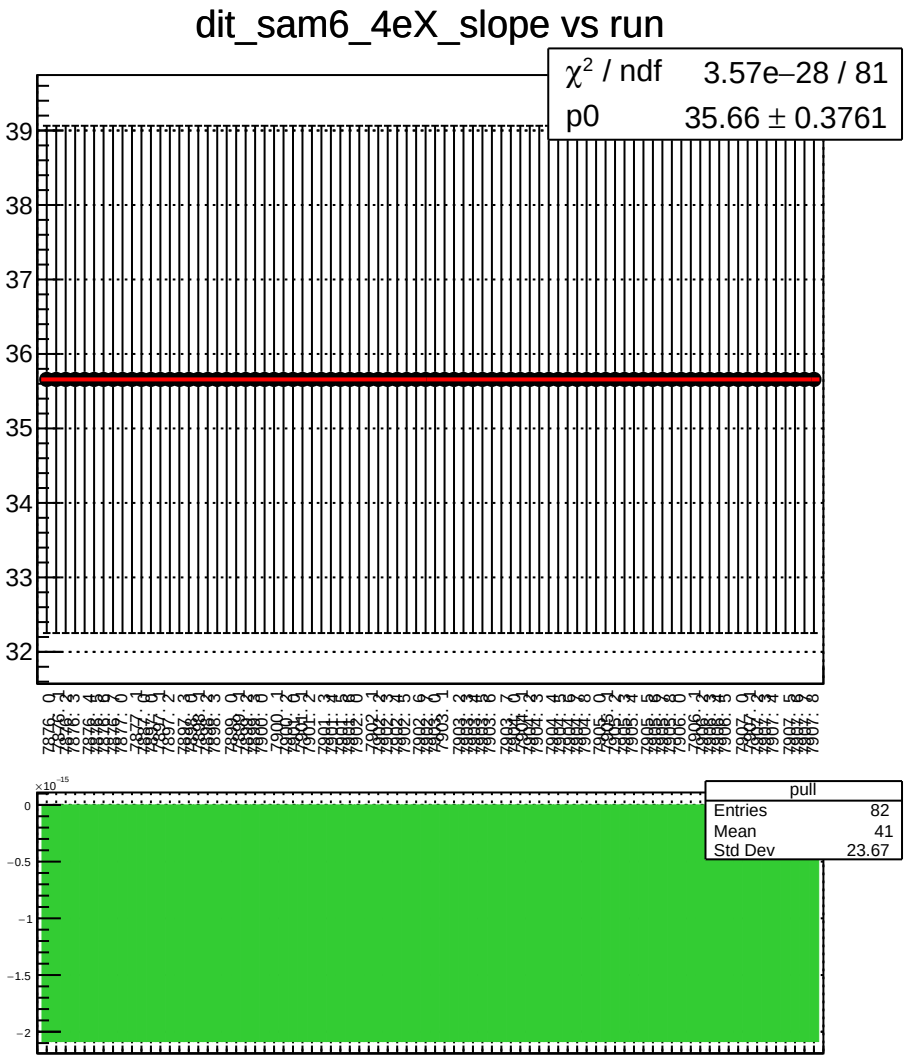

dit_sam5_4eY_slope vs run
χ^2 / ndf 3.149e−26 / 81
p0 129.9 ± 0.1602
131.5
131
130.5
130
129.5
129
128.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−5
−10
−15
−20

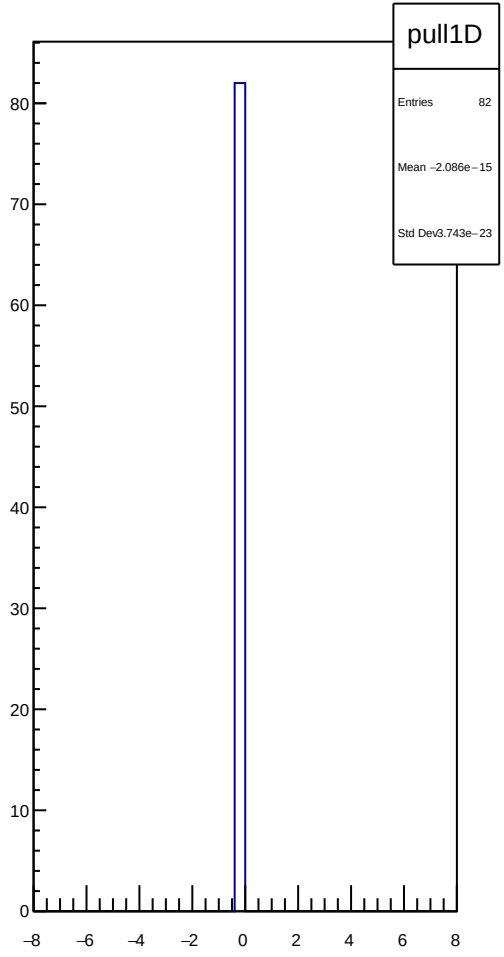

pull1D
Entries 82
Mean −1.96e−14
Std Dev7.635e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run

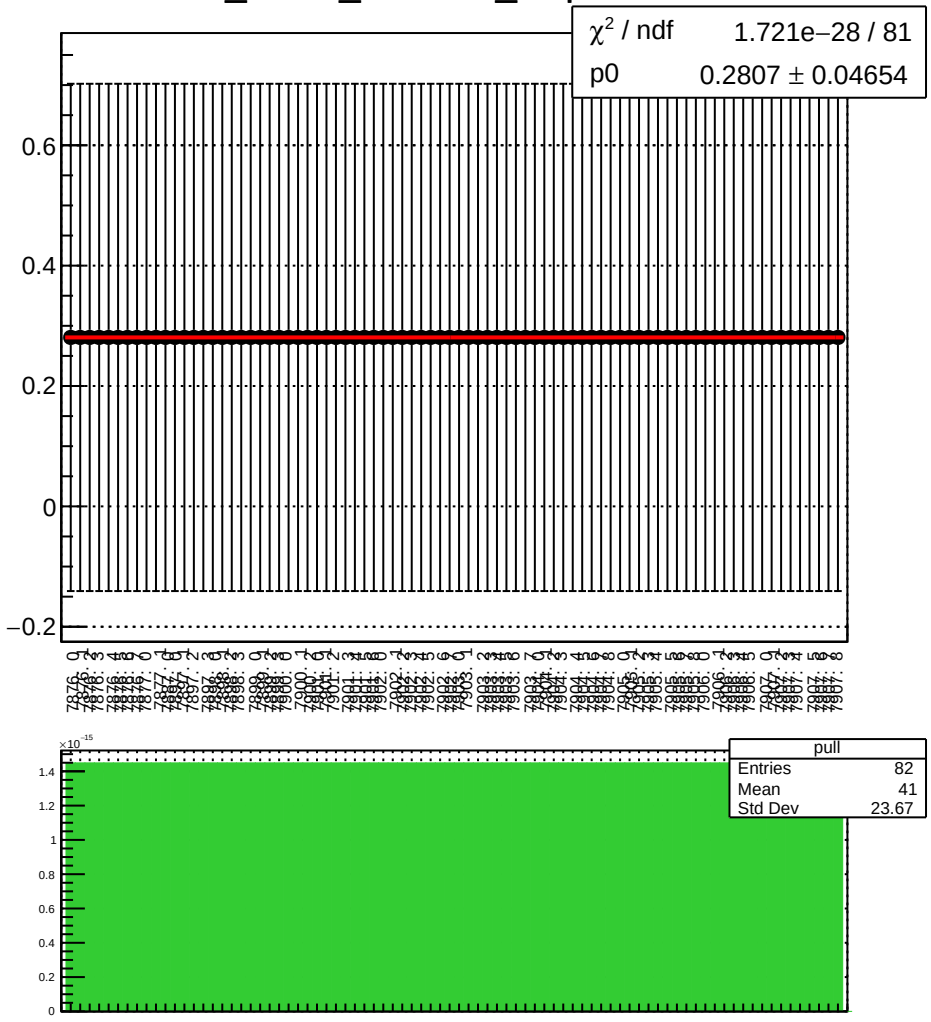


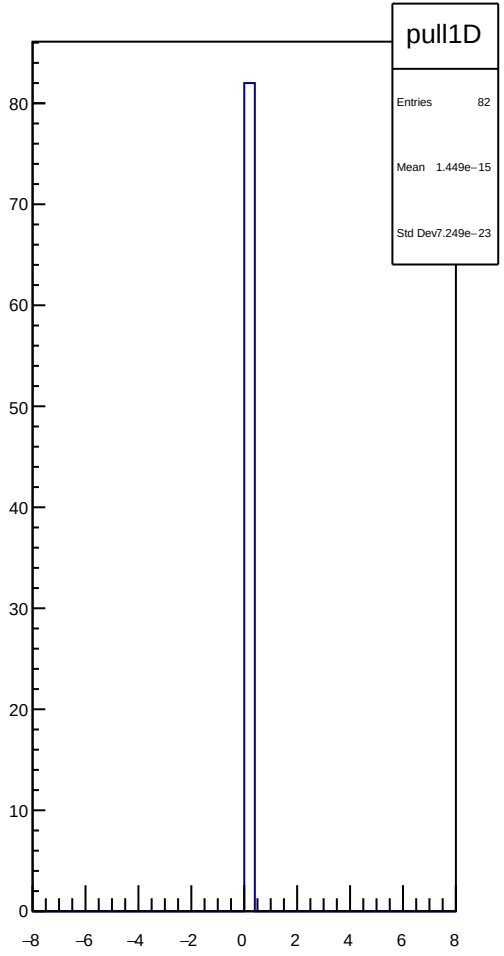


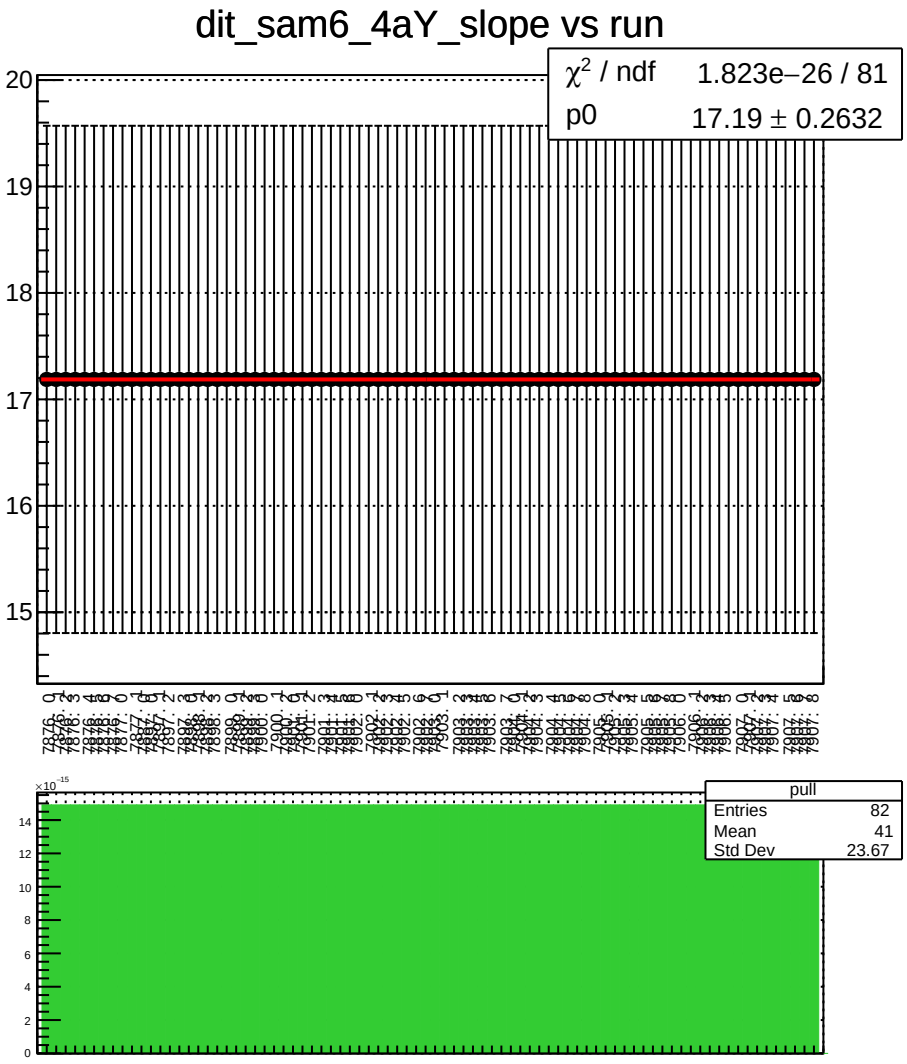

dit_sam6_4eX_slope vs run
χ^2 / ndf 3.57e−28 / 81
p0 35.66 ± 0.3761
39
38
37
36
35
34
33
32
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−0.5
−1
−1.5
−2

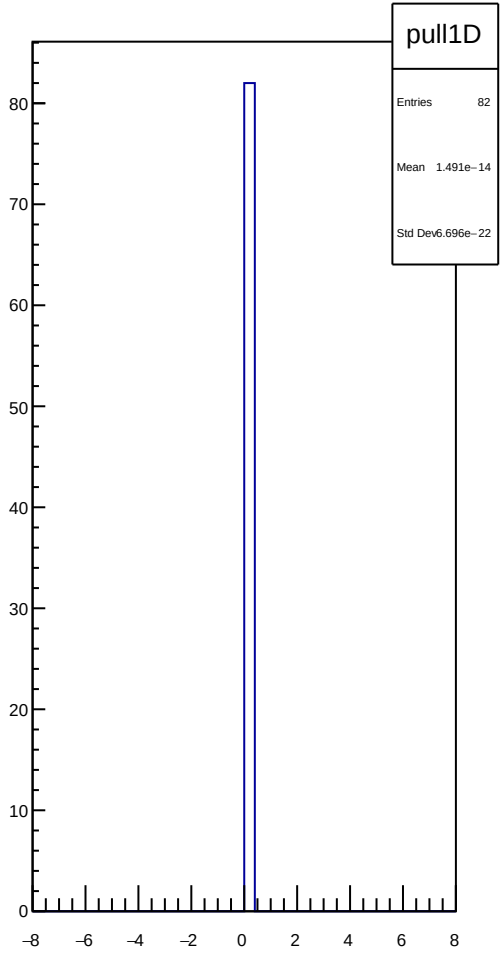

pull1D
Entries 82
Mean −2.086e−15
Std Dev 3.743e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

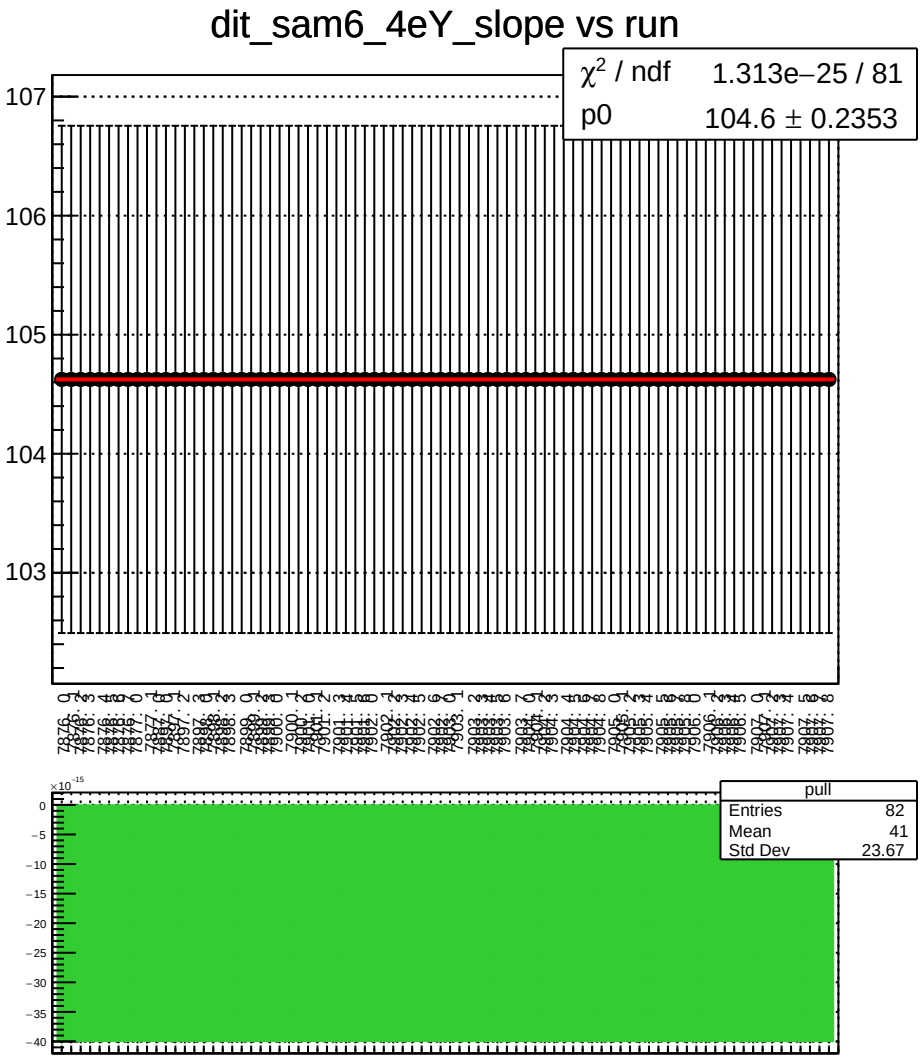
dit_sam6_11X12X_slope vs run

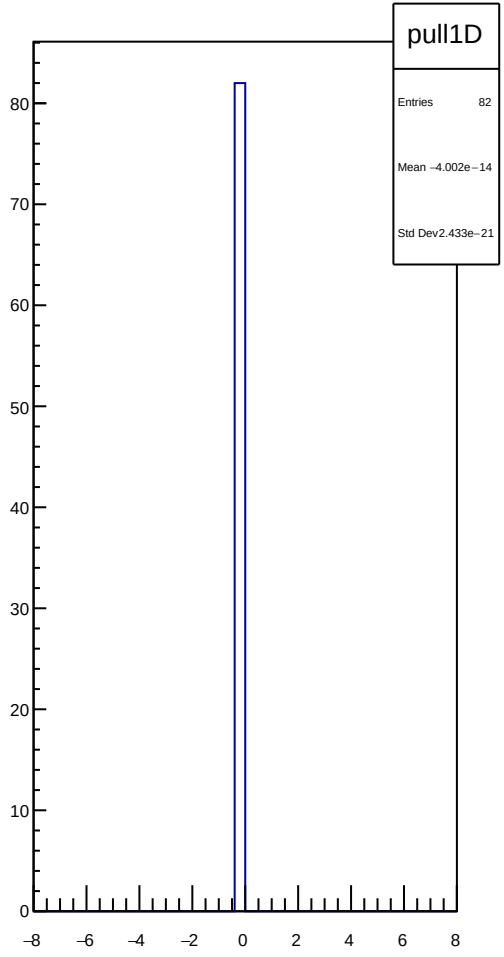




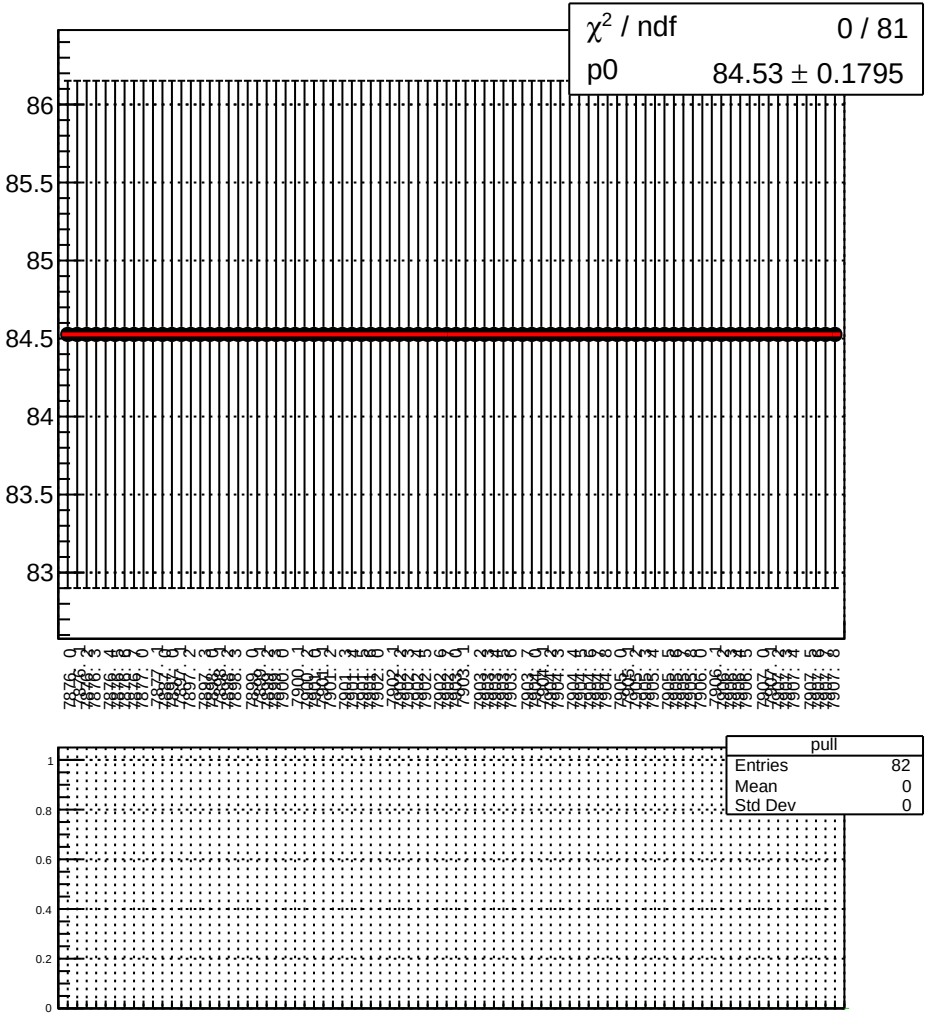

dit_sam6_4aY_slope vs run
χ² / ndf 1.823e−26 / 81
p0 17.19 ± 0.2632
pull
Entries 82
Mean 41
Std Dev 23.67

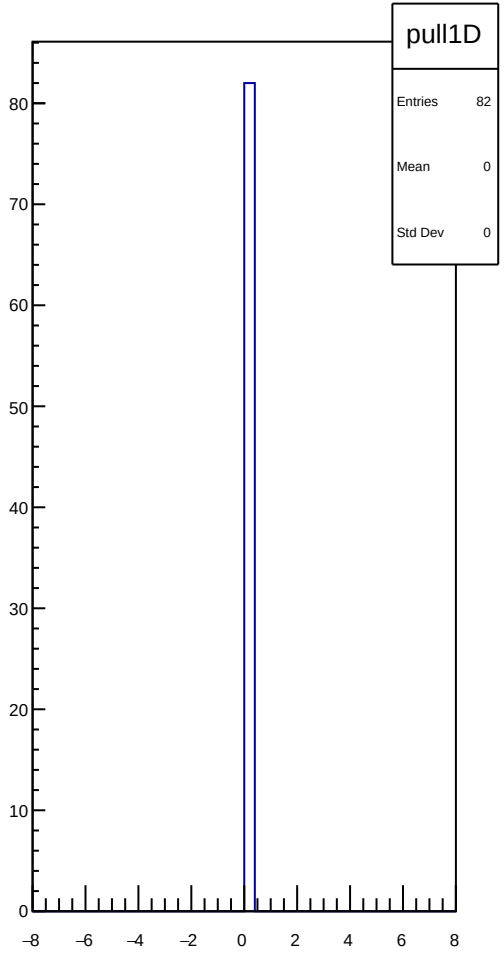

pull1D
Entries 82
Mean 1.491e−14
Std Dev 6.696e−22

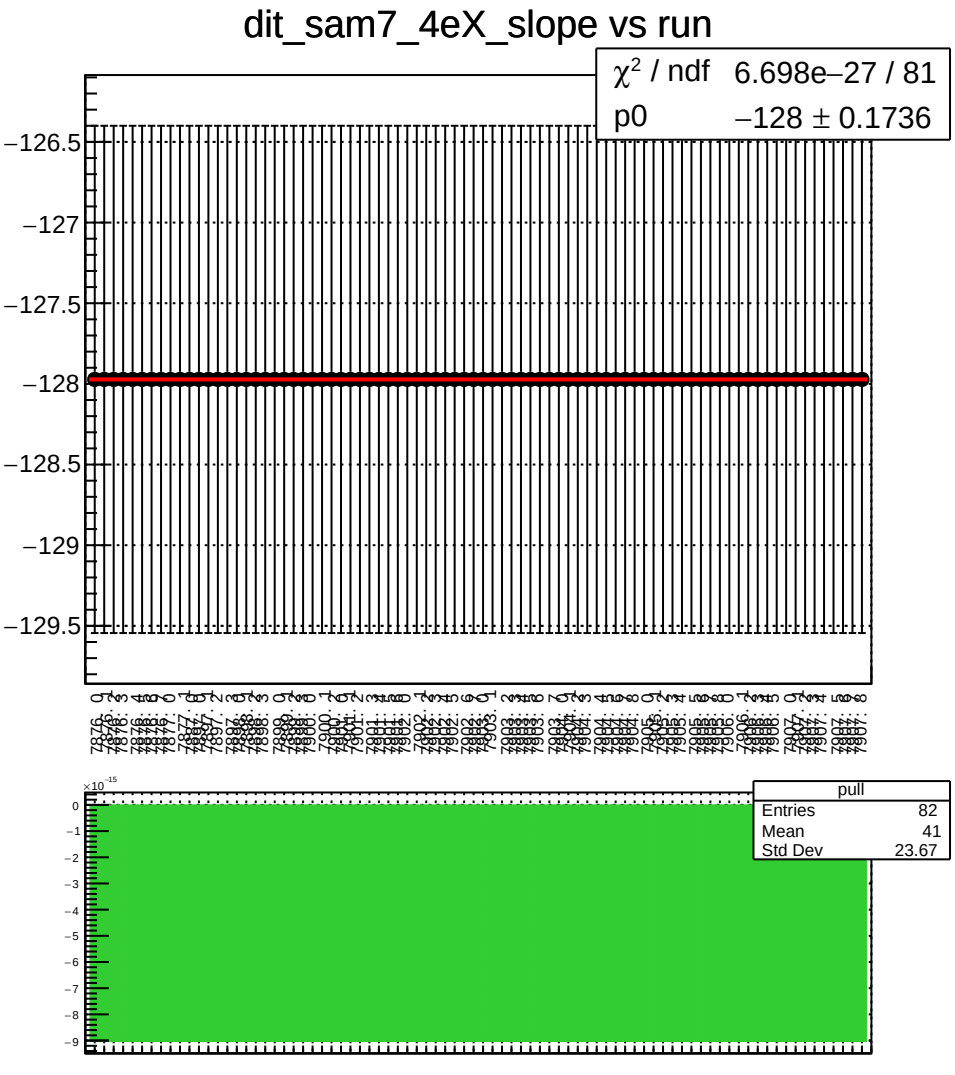

dit_sam6_4eY_slope vs run
χ^2 / ndf 1.313e−25 / 81
p0 104.6 ± 0.2353
107
106
105
104
103
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

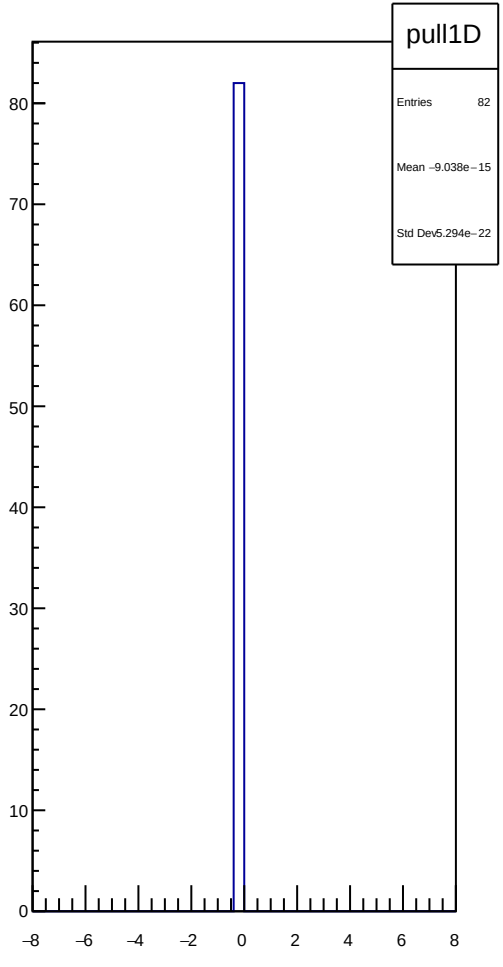

pull1D
Entries 82
Mean −4.002e−14
Std Dev2.433e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run

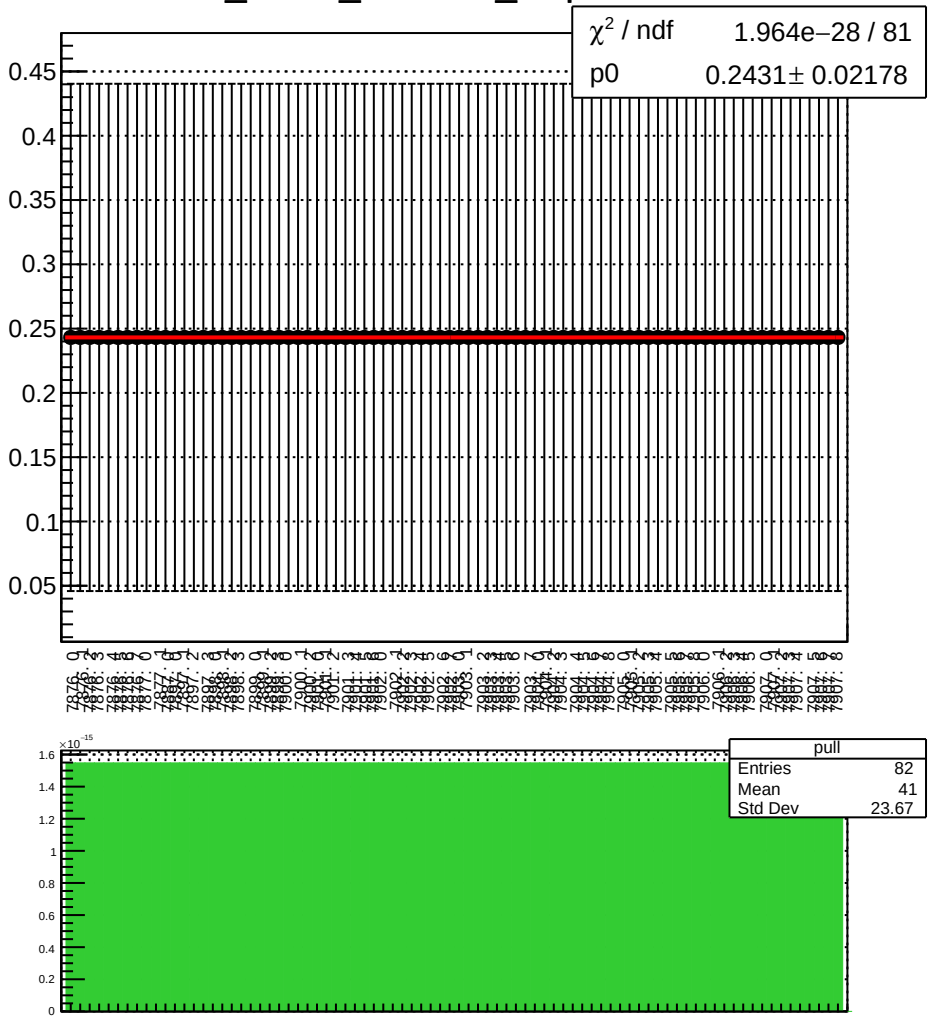


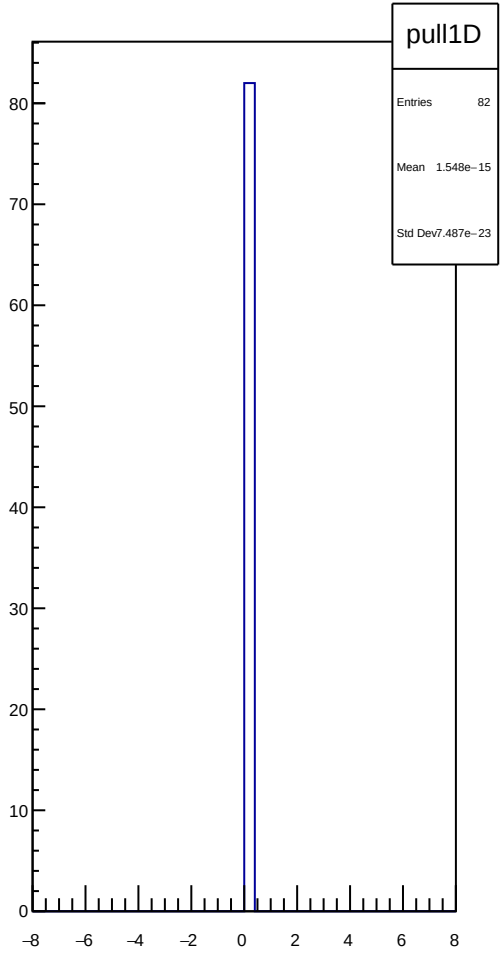



dit_sam7_4eX_slope vs run
χ^2 / ndf 6.698e−27 / 81
p0 −128 ± 0.1736
−126.5
−127
−127.5
−128
−128.5
−129
−129.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15

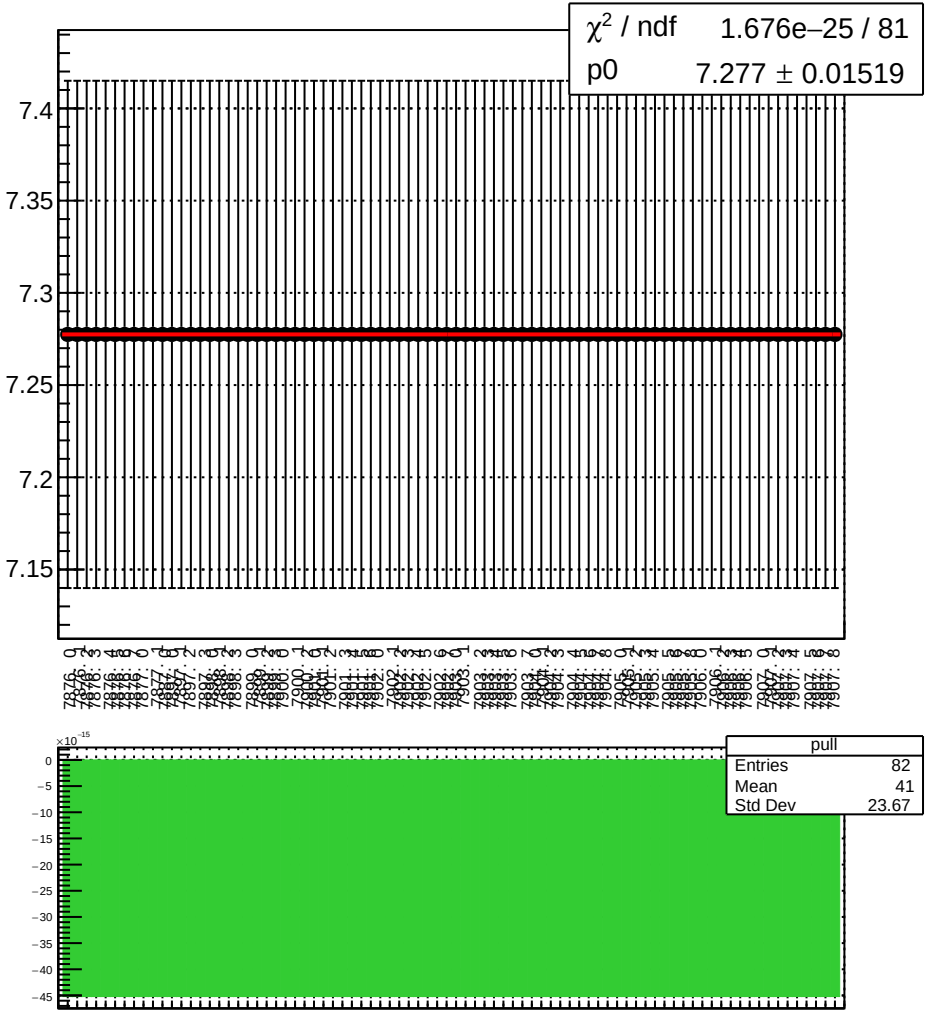

pull1D
Entries 82
Mean −9.038e−15
Std Dev 5.294e−22

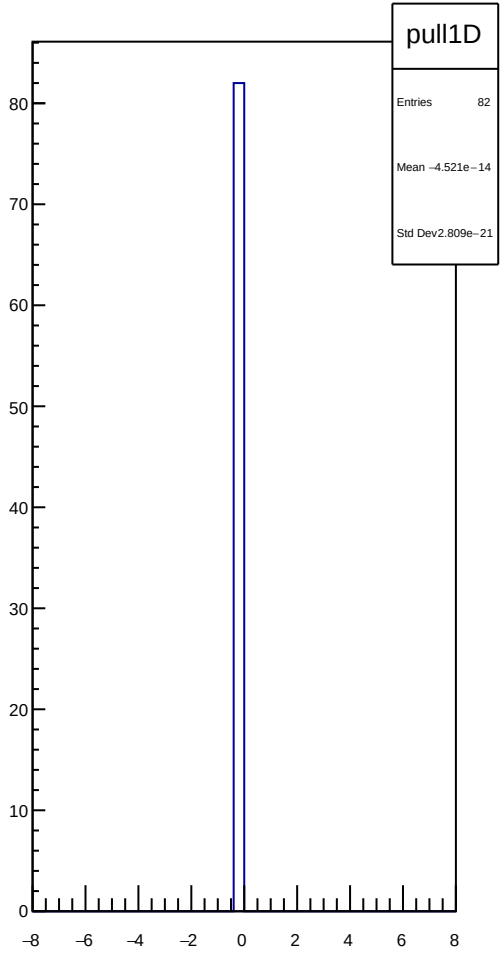
dit_sam7_11X12X_slope vs run

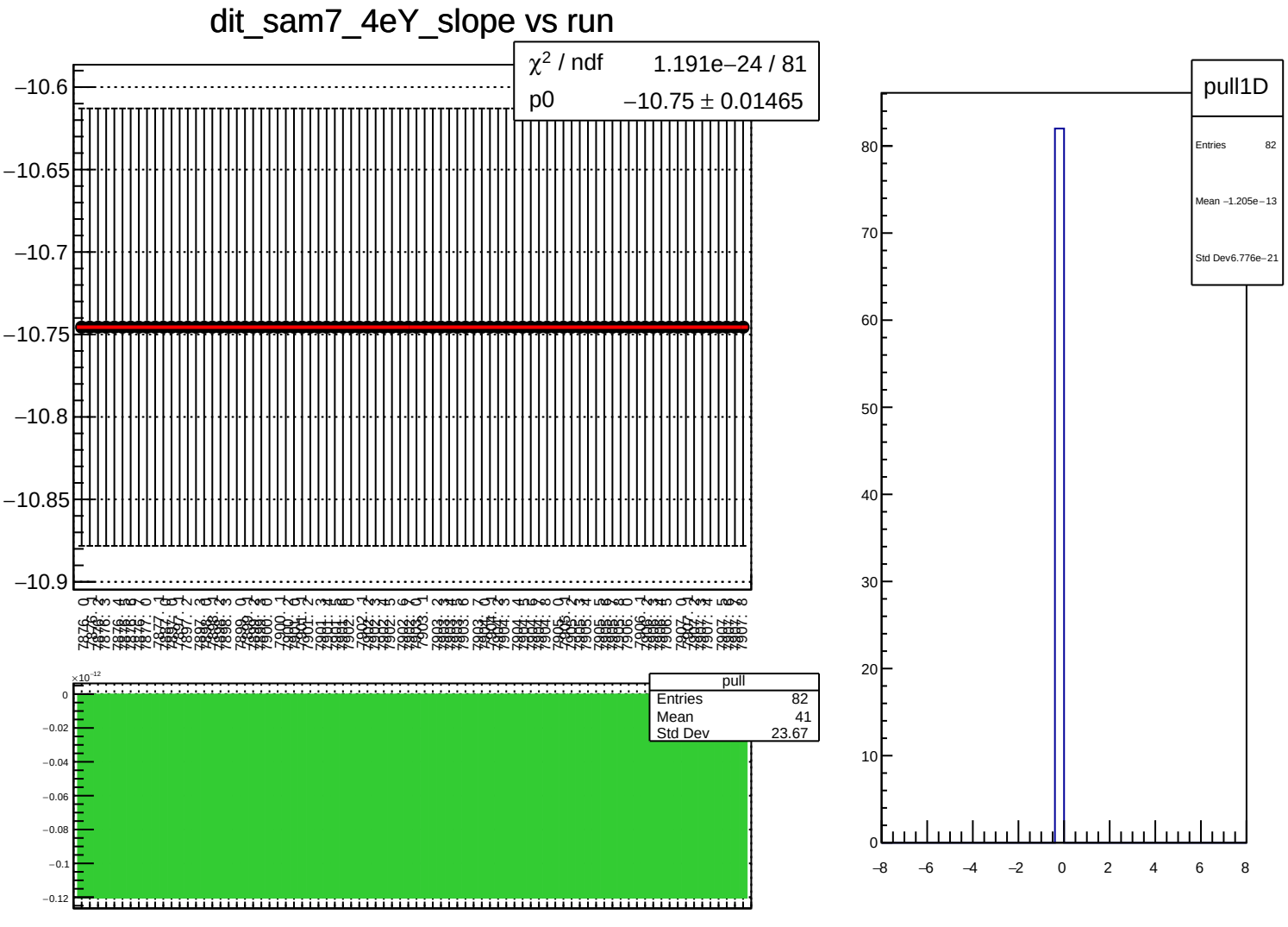


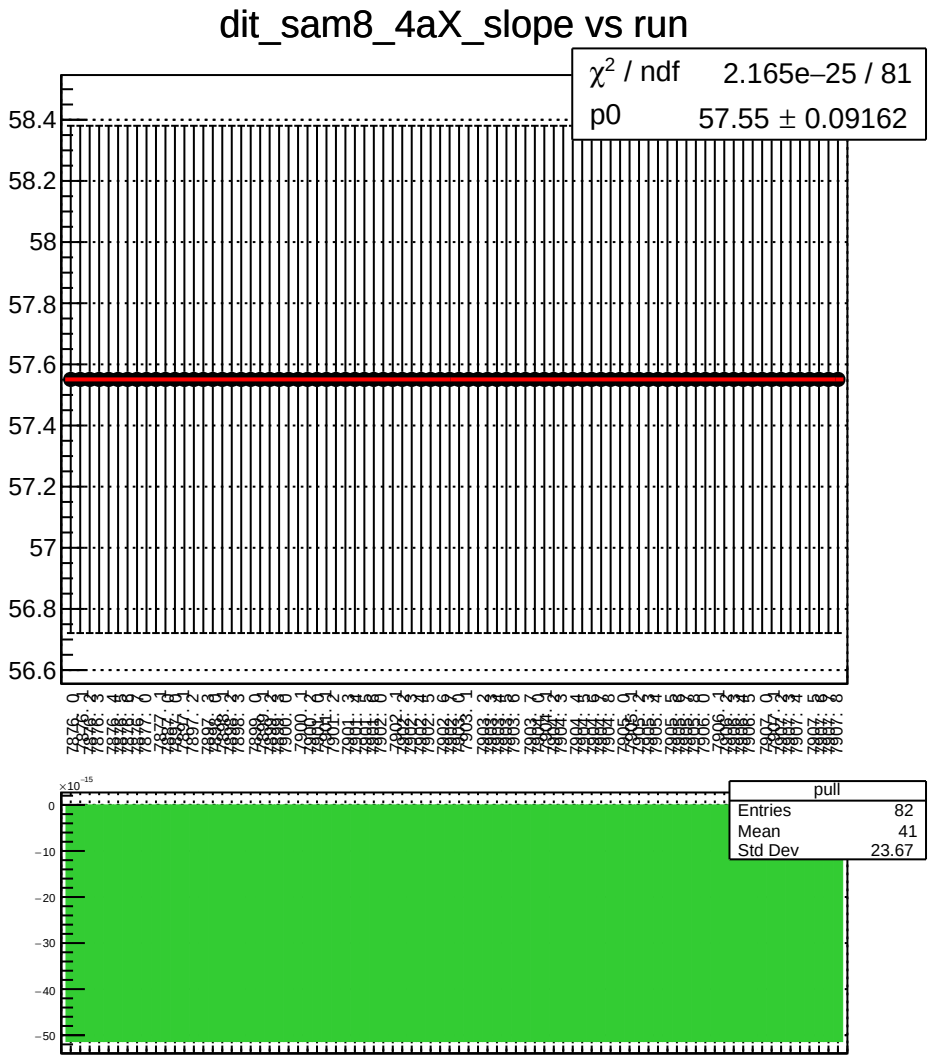


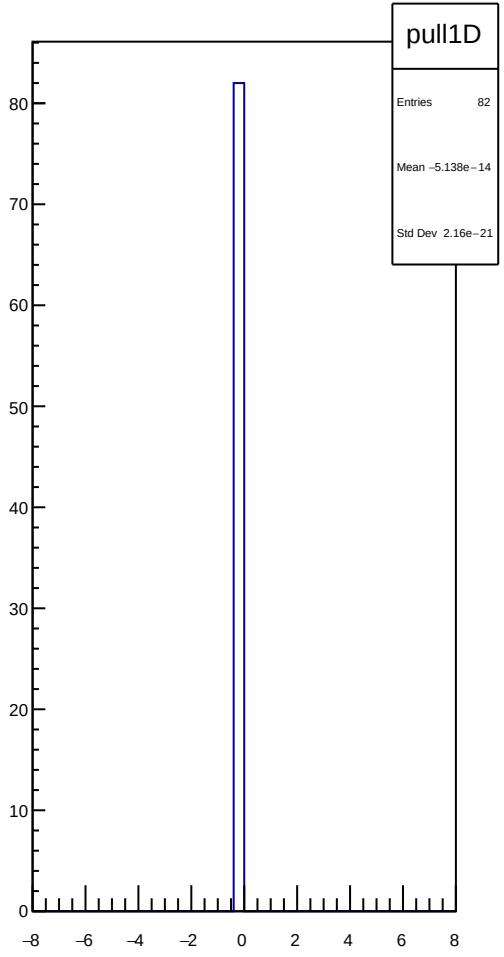
dit_sam7_4aY_slope vs run



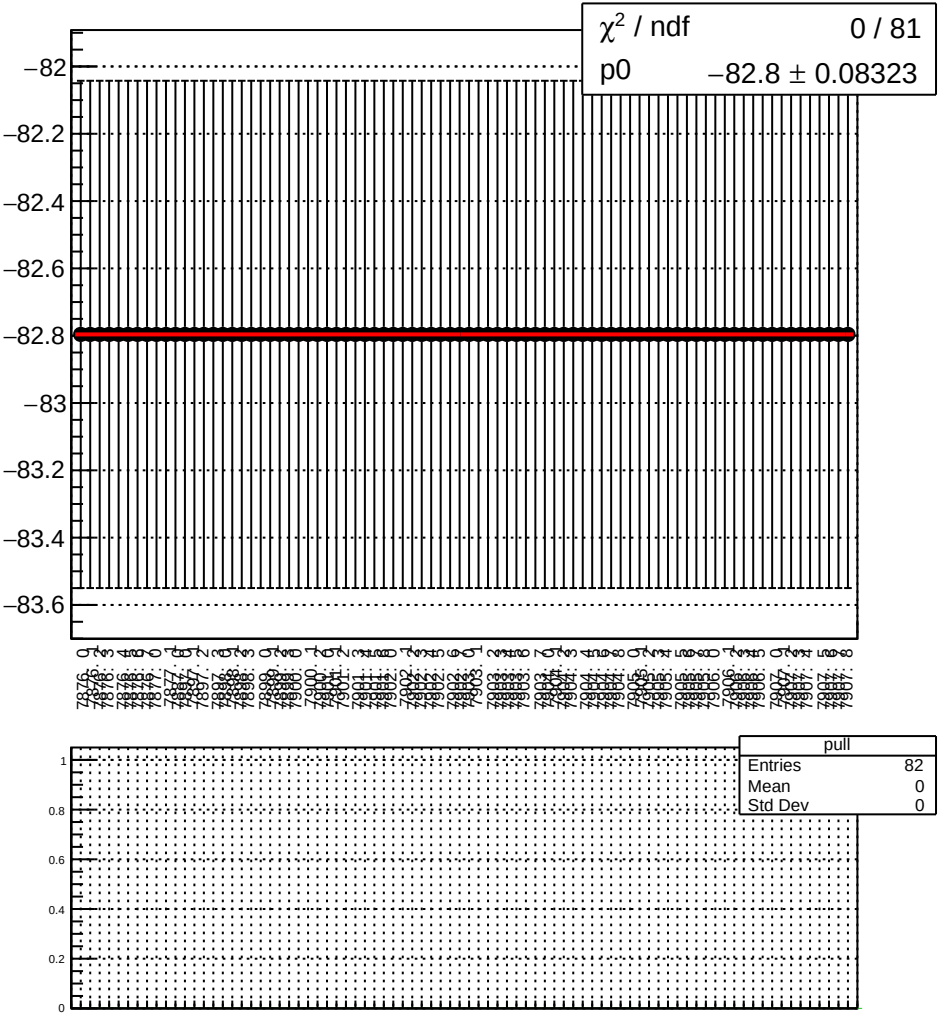


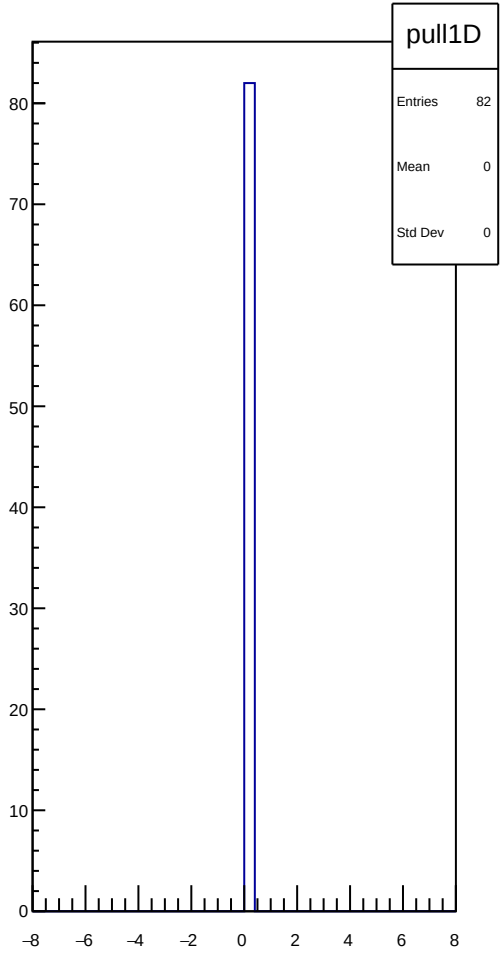

dit_sam7_4eY_slope vs run
χ^2 / ndf 1.191e−24 / 81
p0 −10.75 ± 0.01465
−10.6
−10.65
−10.7
−10.75
−10.8
−10.85
−10.9
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 82
Mean −1.205e−13
Std Dev 6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aX_slope vs run
χ^2 / ndf 2.165e−25 / 81
p0 57.55 ± 0.09162
58.4
58.2
58
57.8
57.6
57.4
57.2
57
56.8
56.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−10
−20
−30
−40
−50

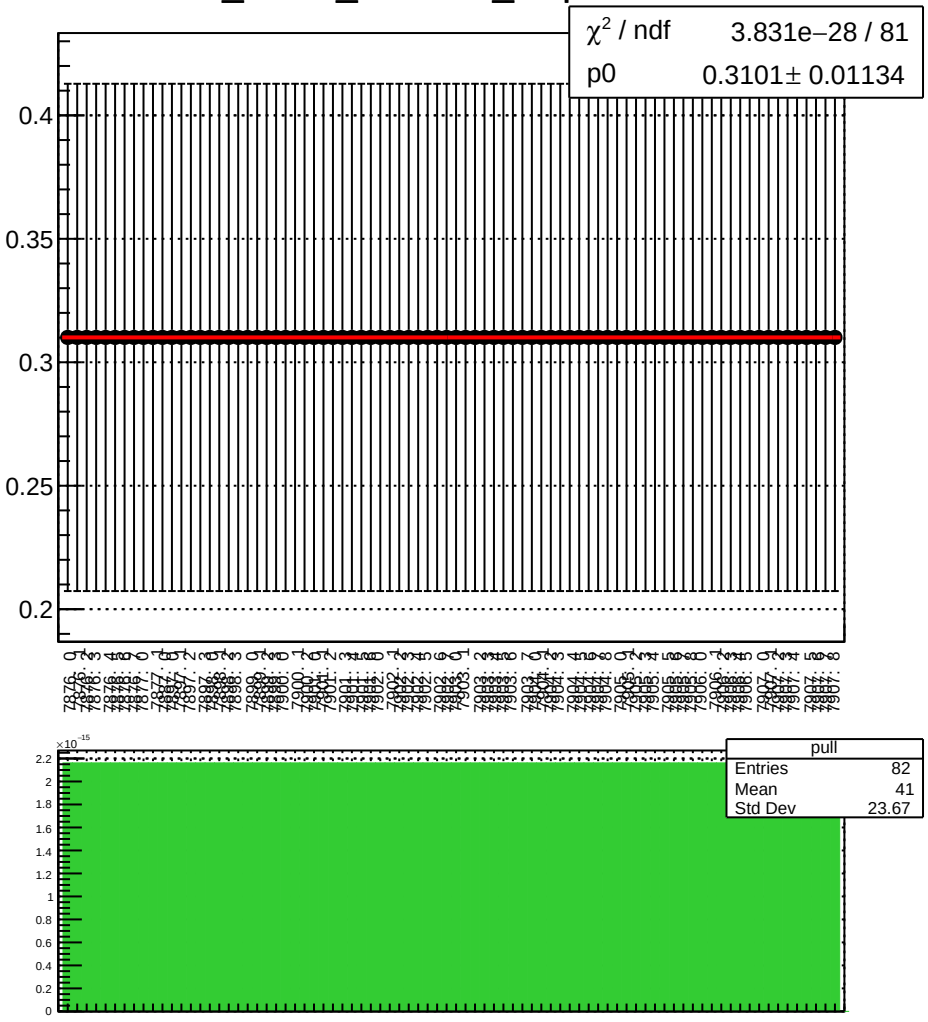

pull1D
Entries 82
Mean −5.138e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

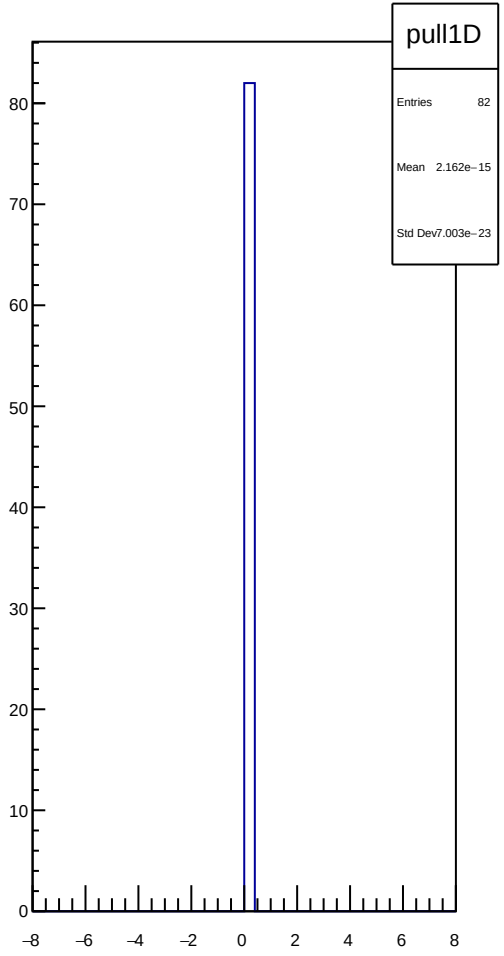
dit_sam8_4eX_slope vs run

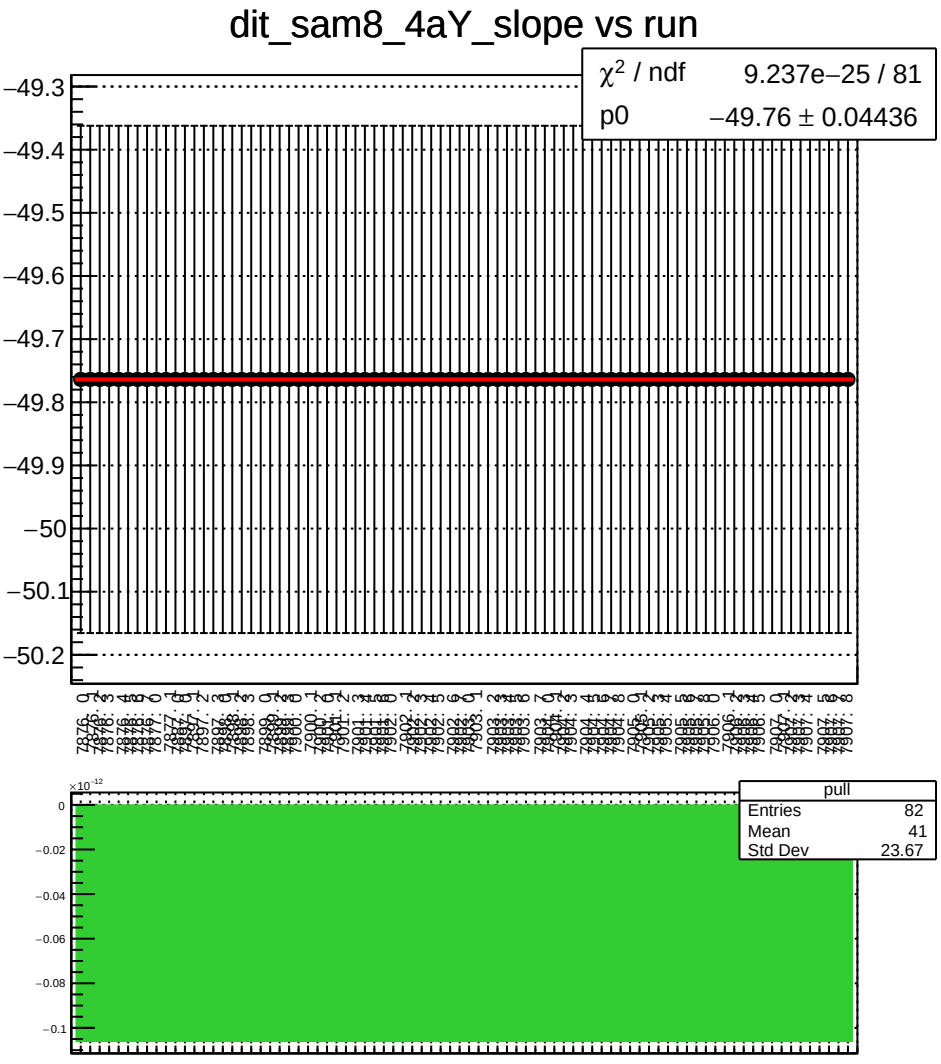


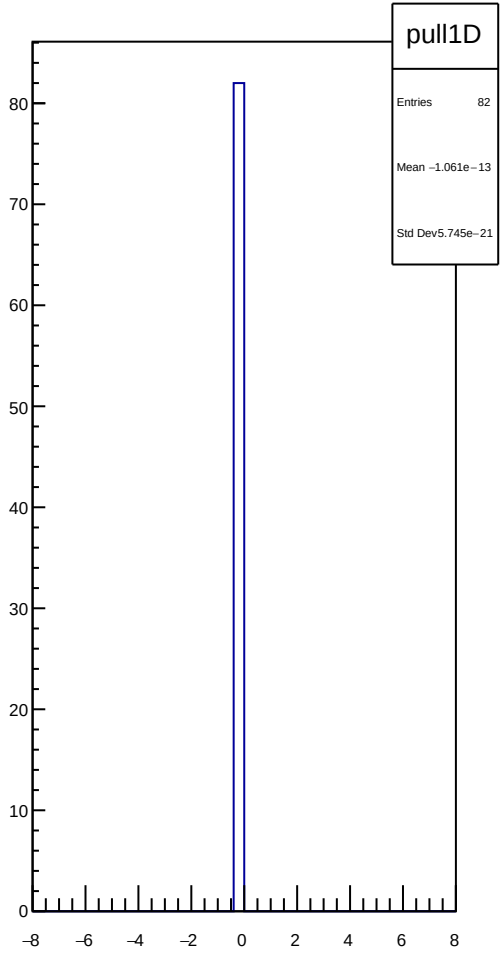


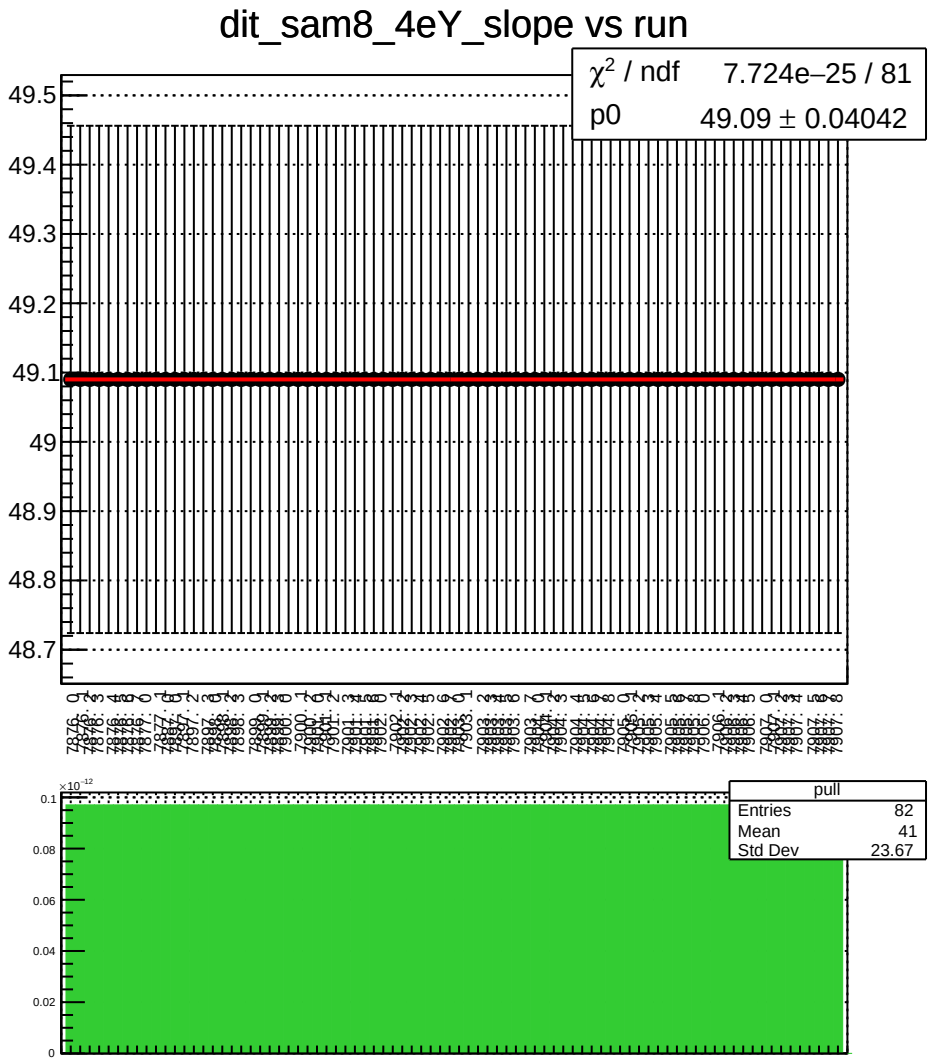
dit_sam8_11X12X_slope vs run

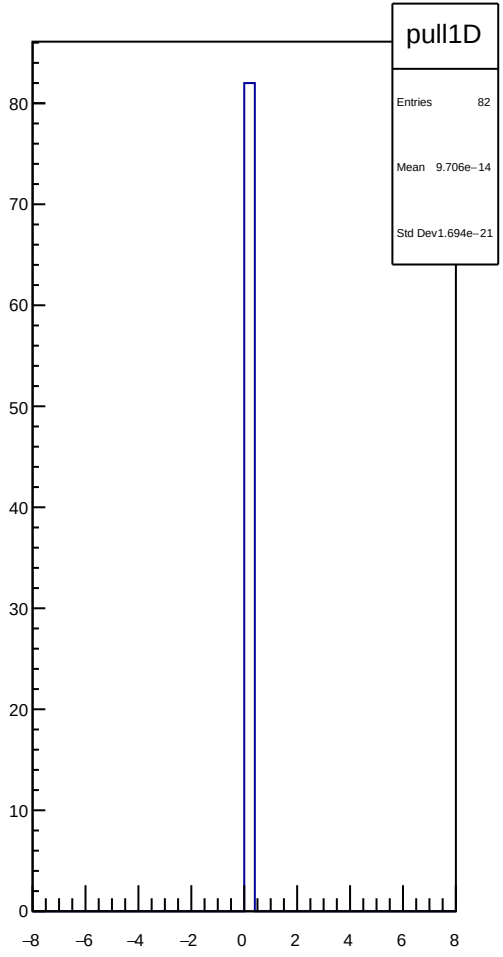





dit_sam8_4aY_slope vs run
χ² / ndf 9.237e−25 / 81
p0 −49.76 ± 0.04436
−49.3
−49.4
−49.5
−49.6
−49.7
−49.8
−49.9
−50
−50.1
−50.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1


pull1D
Entries 82
Mean −1.061e−13
Std Dev5.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eY_slope vs run
χ² / ndf 7.724e−25 / 81
p0 49.09 ± 0.04042
49.5
49.4
49.3
49.2
49.1
49
48.9
48.8
48.7
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 82
Mean 9.706e−14
Std Dev 1.694e−21
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30
20
10
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−4
−2
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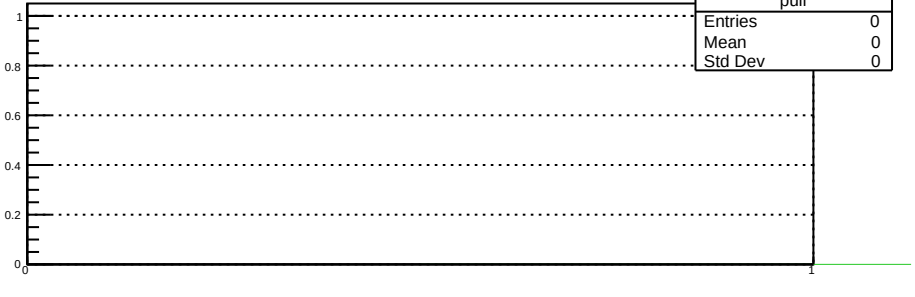
8


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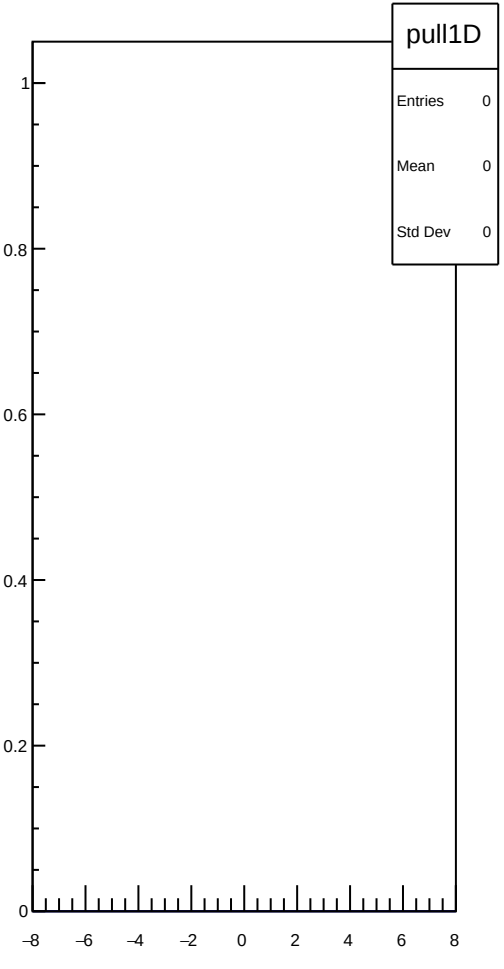
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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−4
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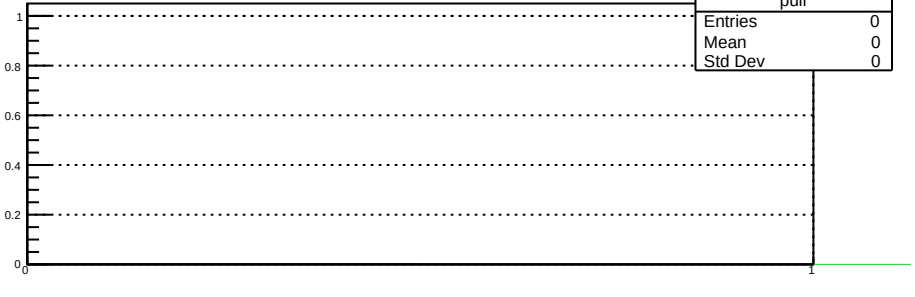
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
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0.6
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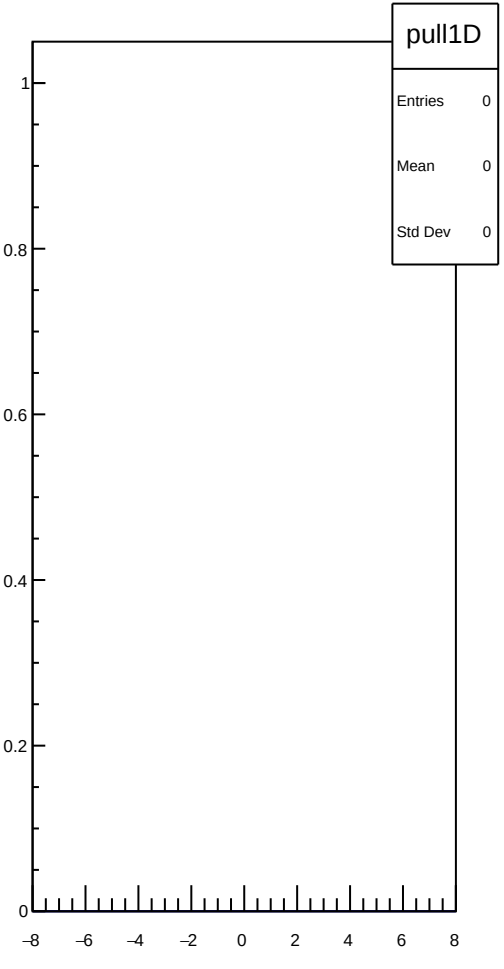
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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−4
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6
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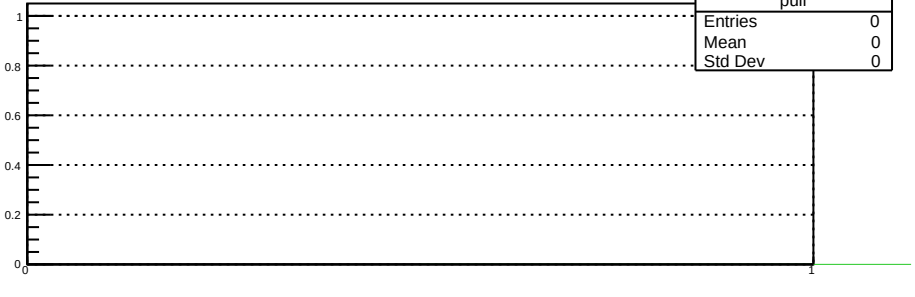
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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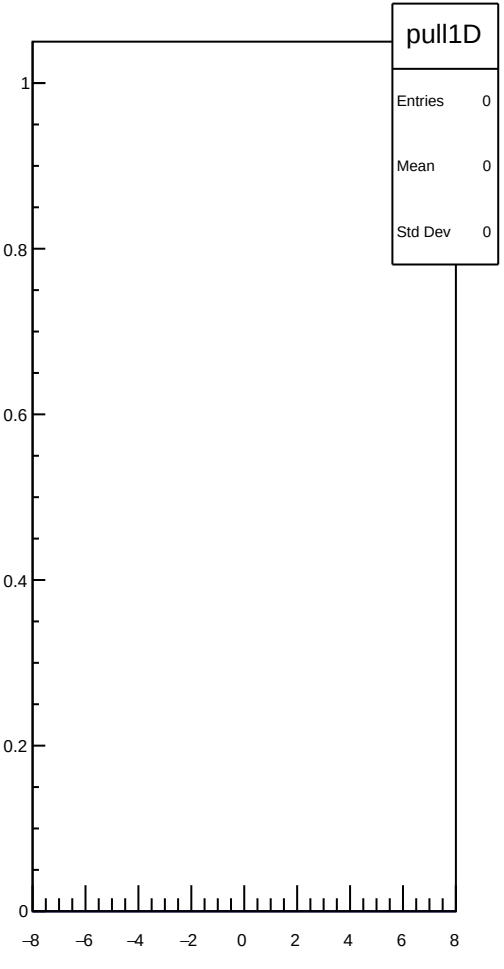
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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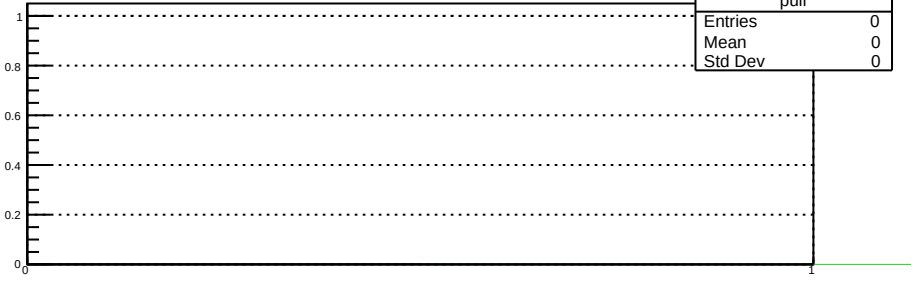
pull
Entries 0
Mean 0
Std Dev 0
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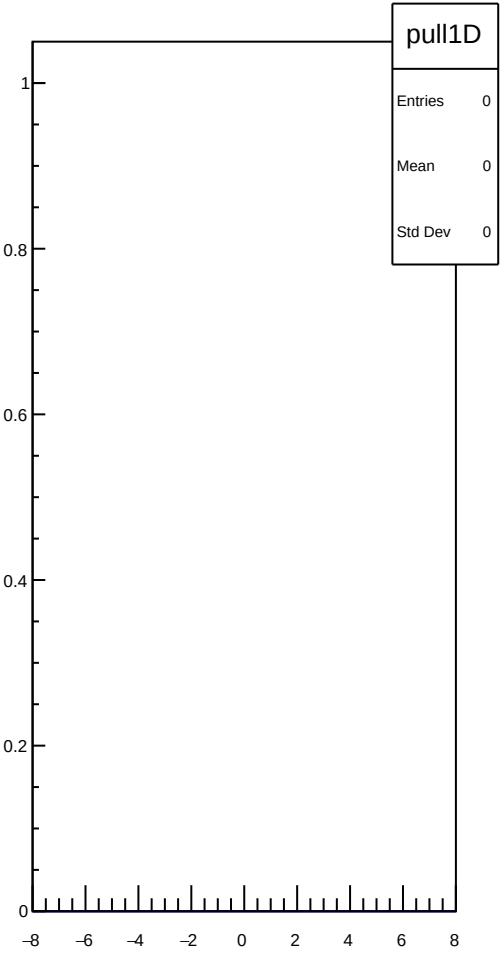
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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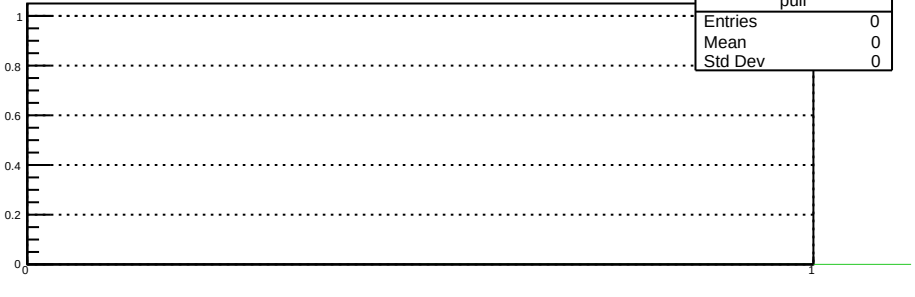
pull
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Mean 0
Std Dev 0
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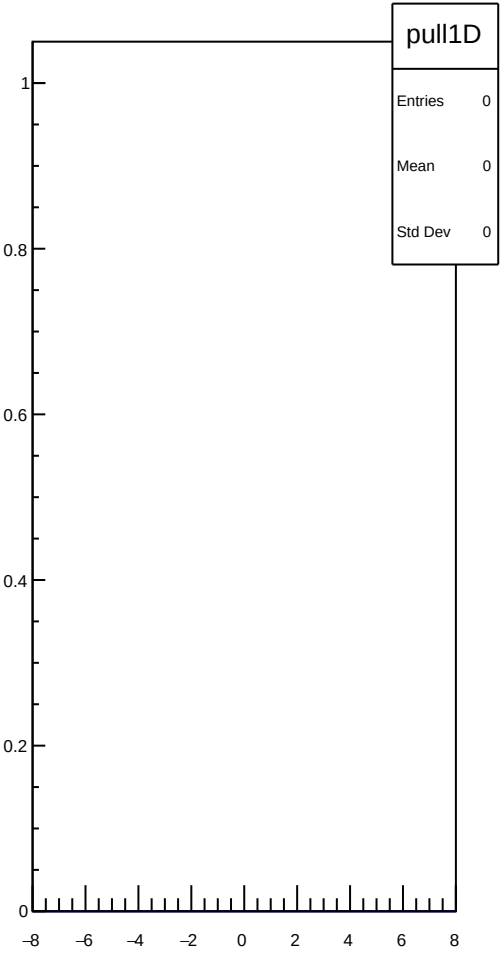
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Std Dev 0
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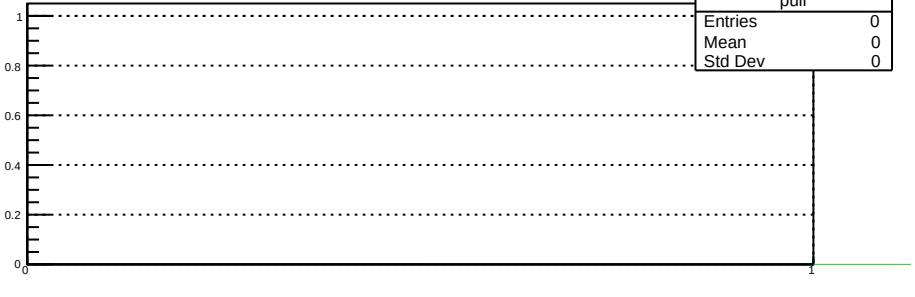
pull
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Mean 0
Std Dev 0
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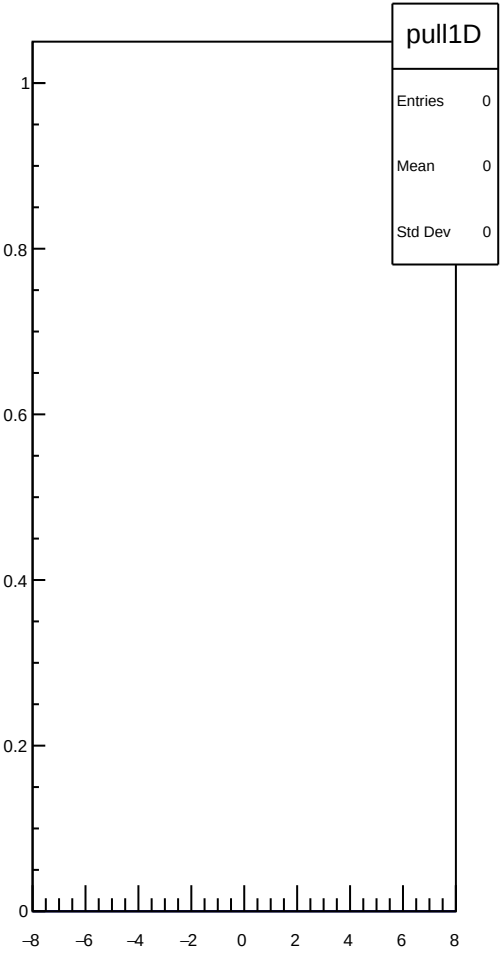
pull1D
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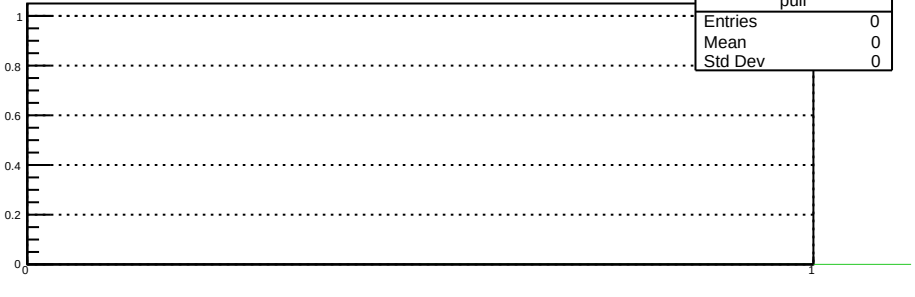
pull
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Mean 0
Std Dev 0
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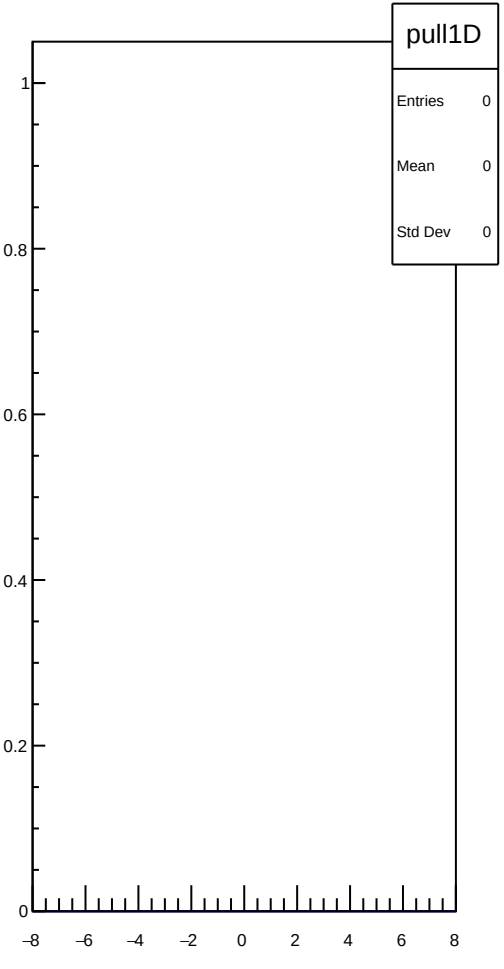
pull1D
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Mean 0
Std Dev 0
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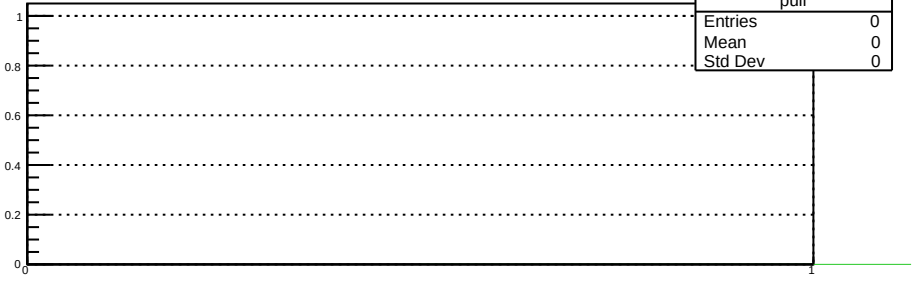
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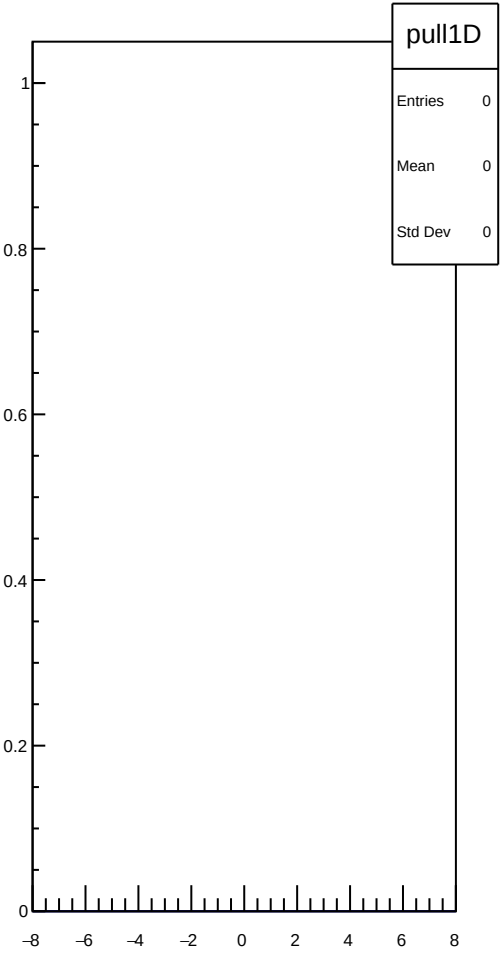
pull1D
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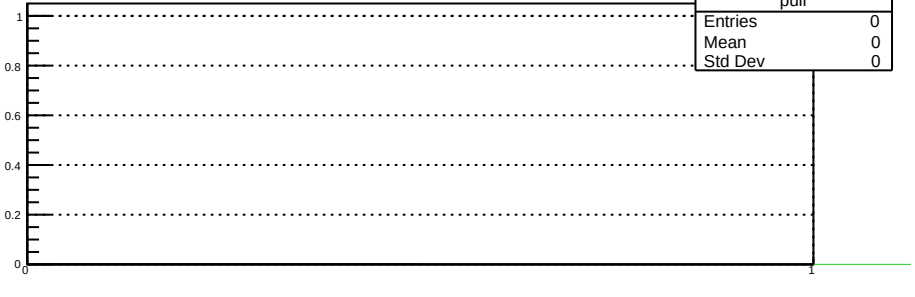
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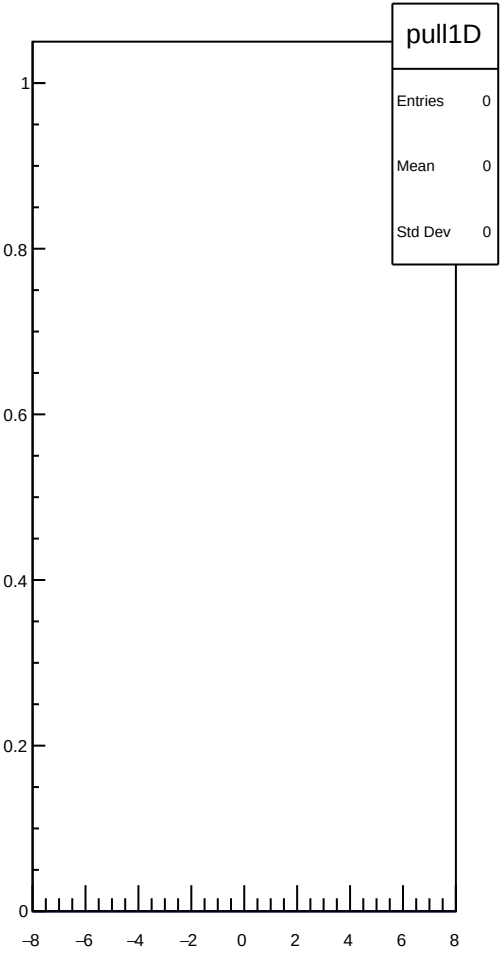
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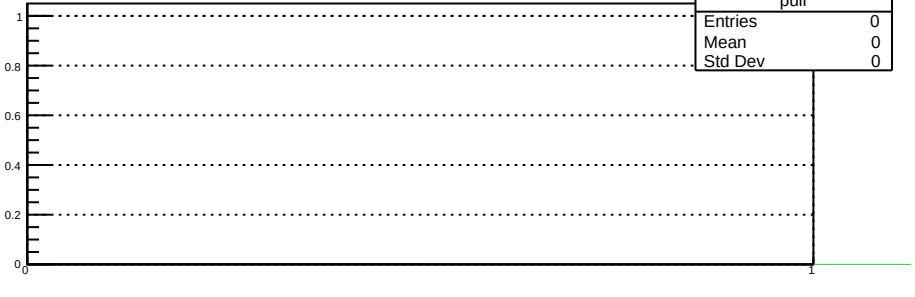
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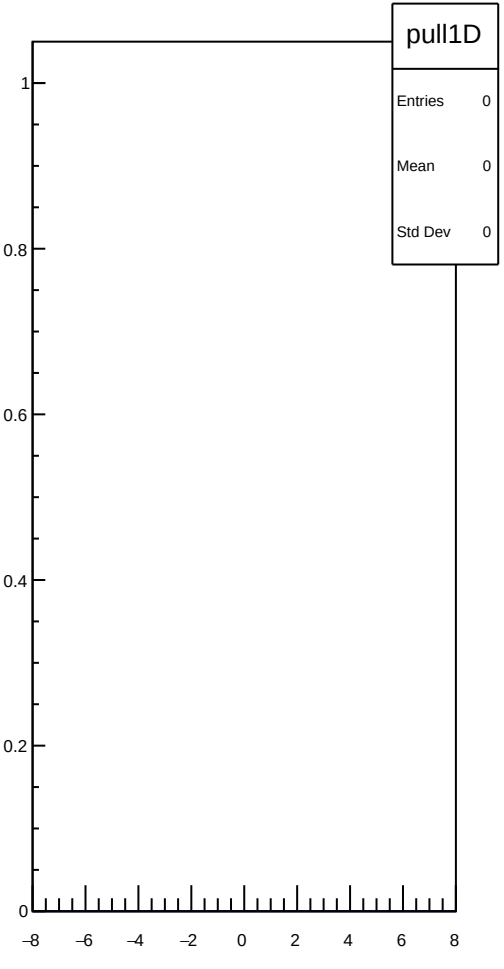
pull1D
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Mean 0
Std Dev 0
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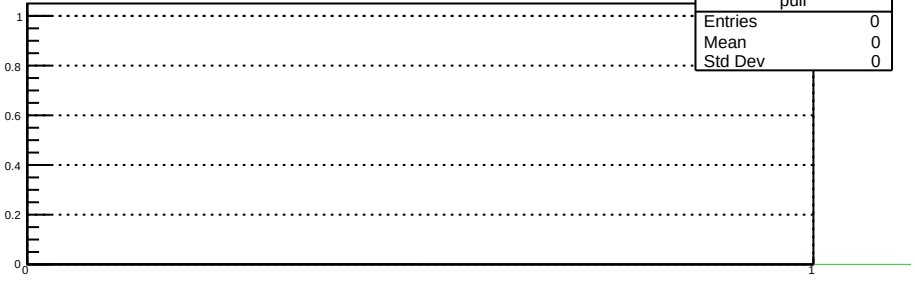
pull
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Std Dev 0
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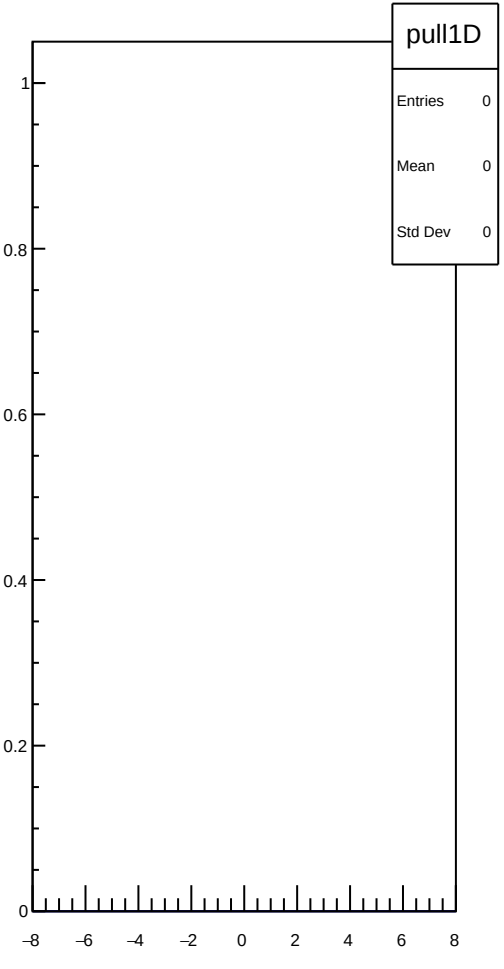
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Std Dev 0
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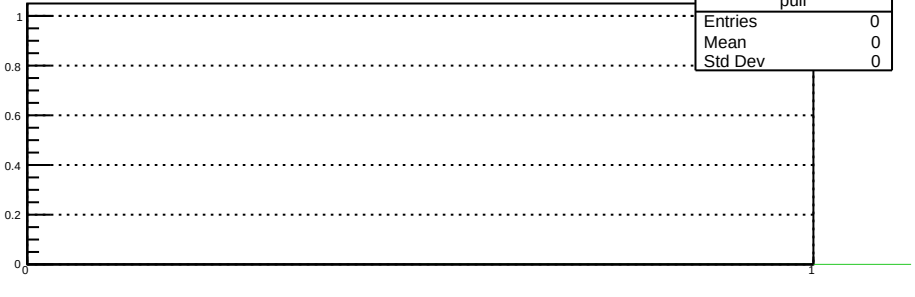
pull
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Std Dev 0
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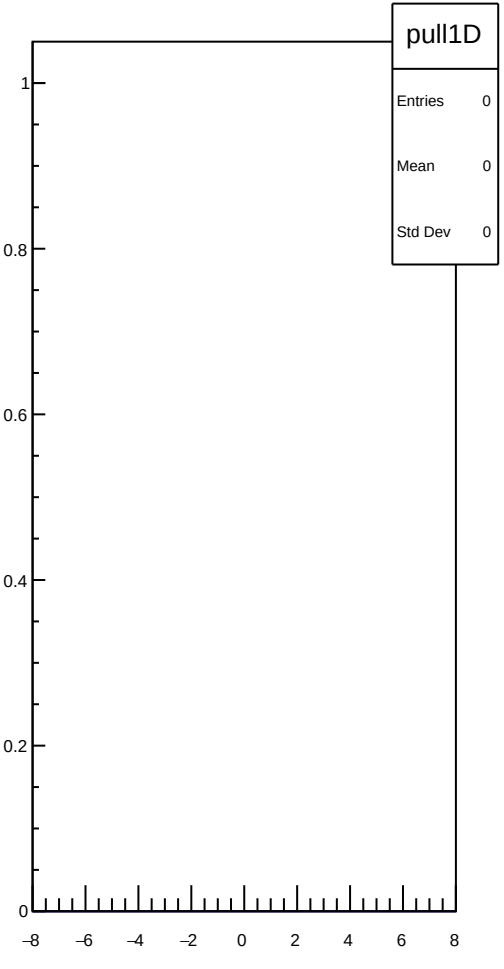
pull1D
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Std Dev 0
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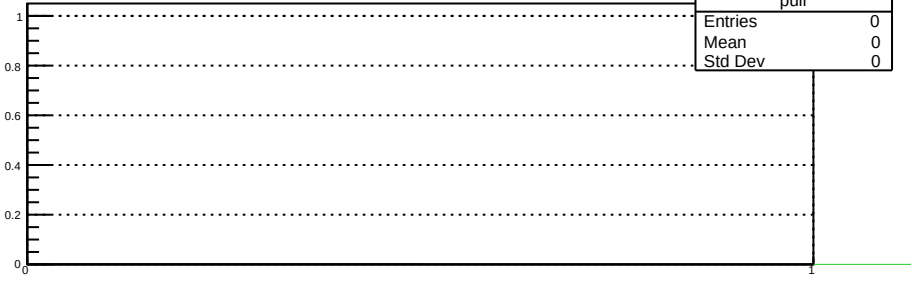
pull
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Std Dev 0
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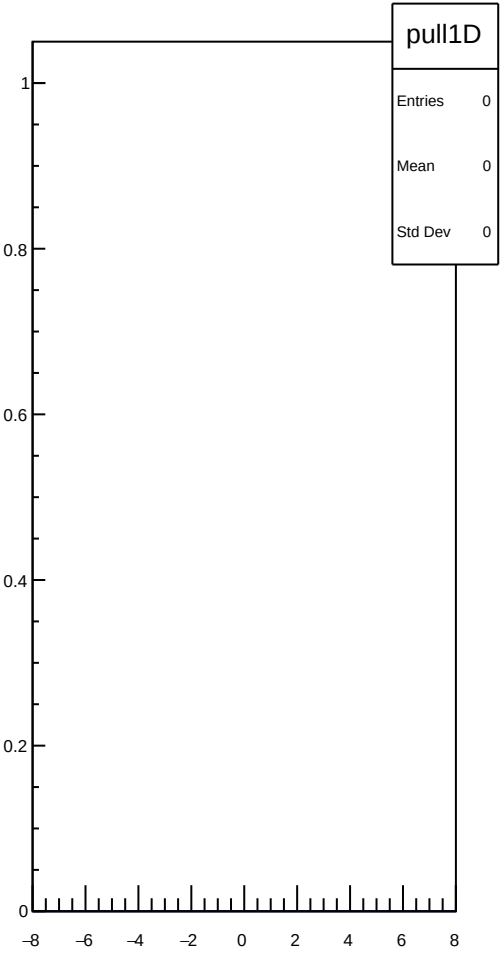
pull1D
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Std Dev 0
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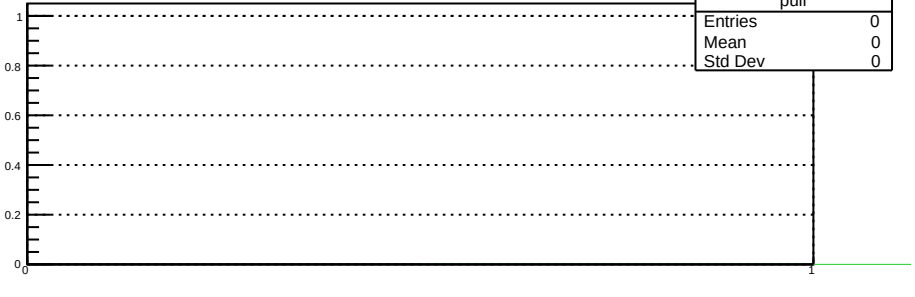
pull
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Std Dev 0
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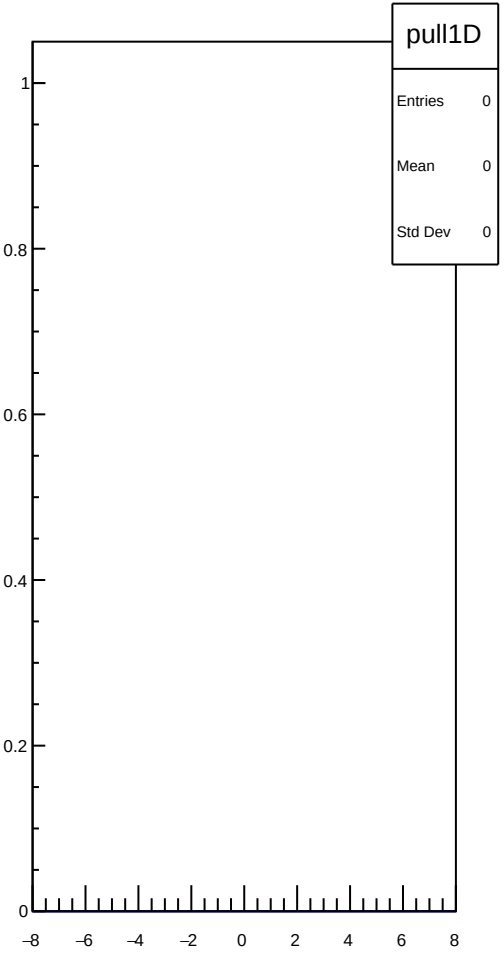
pull1D
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Mean 0
Std Dev 0
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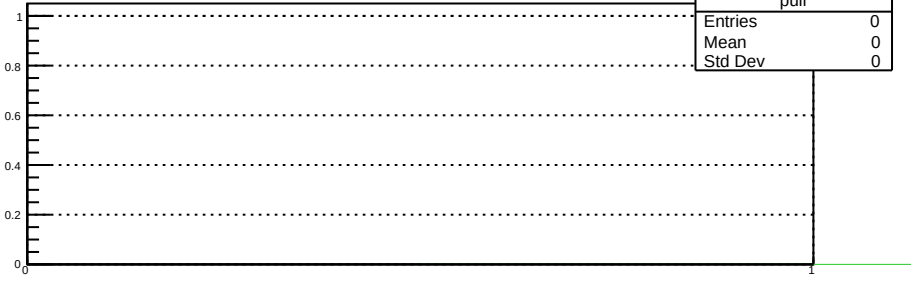
pull
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Mean 0
Std Dev 0
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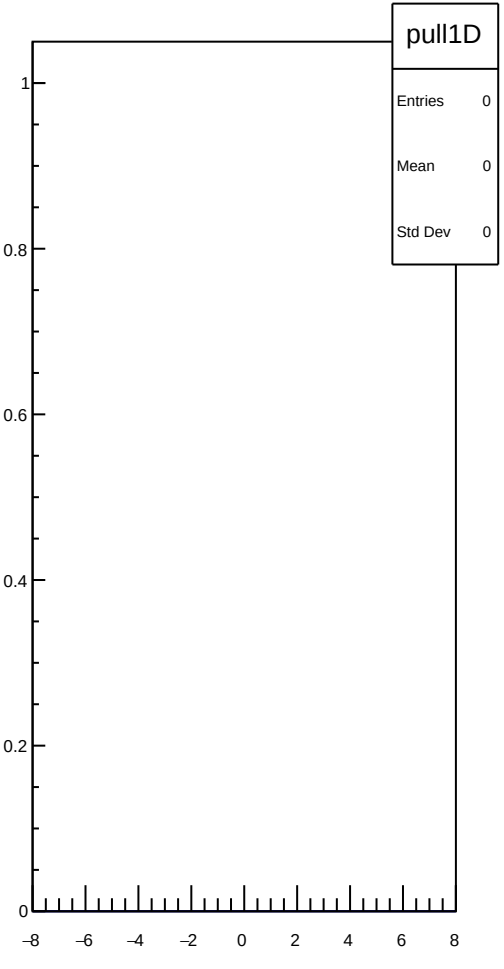
pull1D
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Mean 0
Std Dev 0
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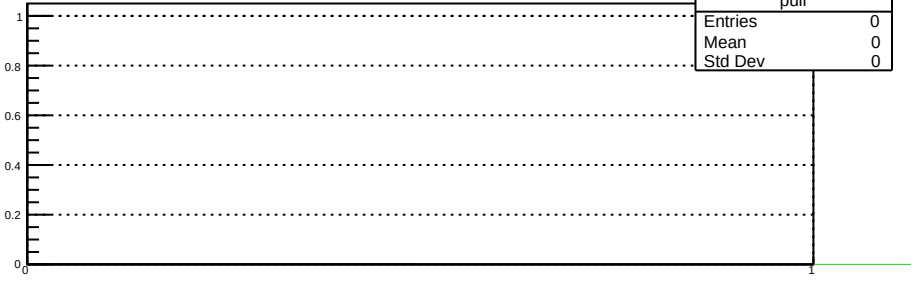
pull
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Mean 0
Std Dev 0
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0.6
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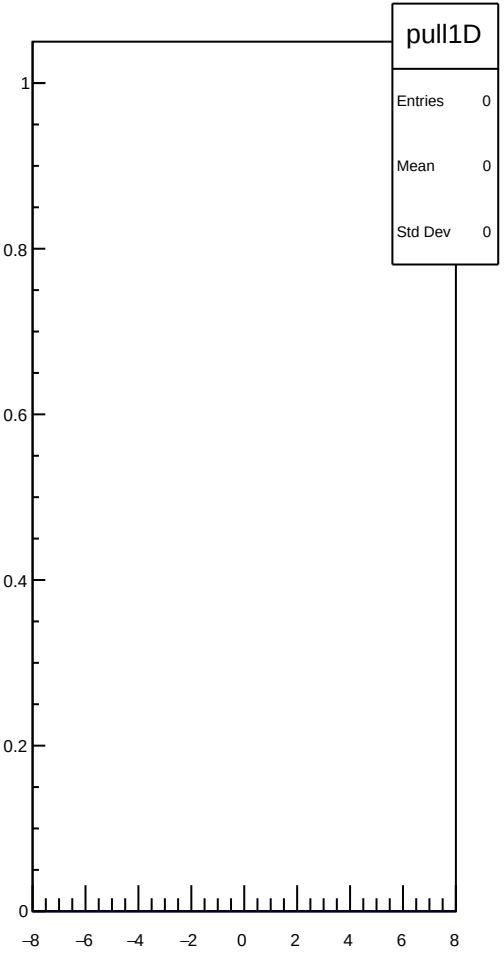
pull1D
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Std Dev 0
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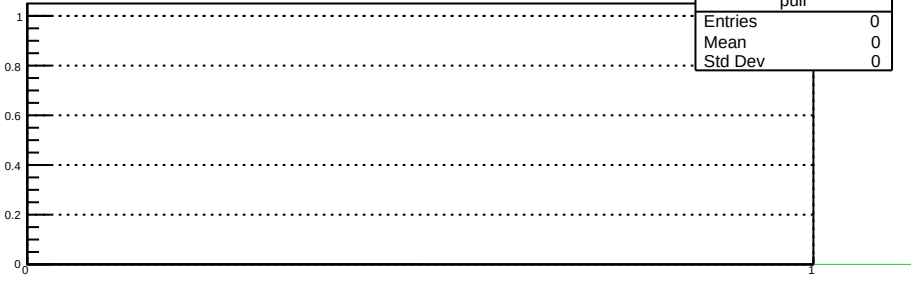
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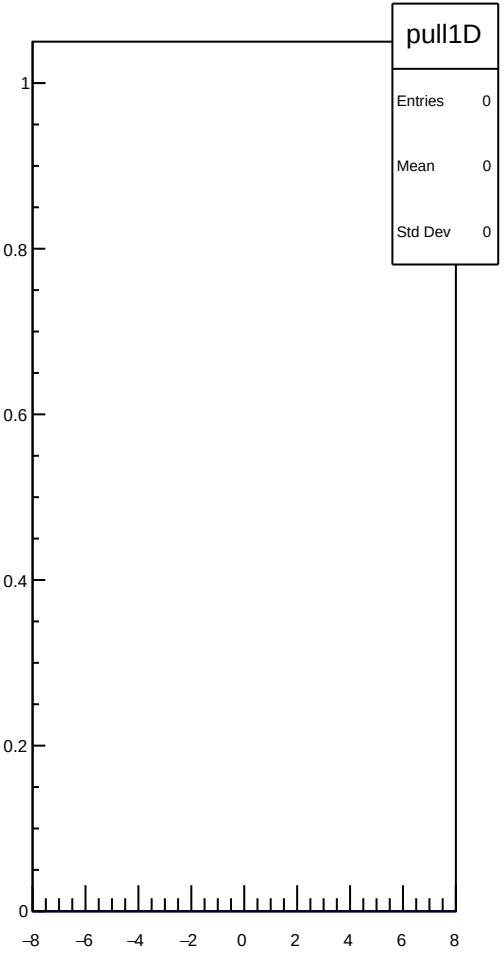
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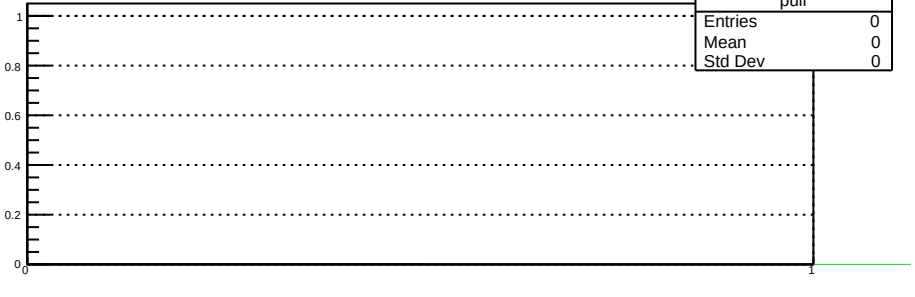
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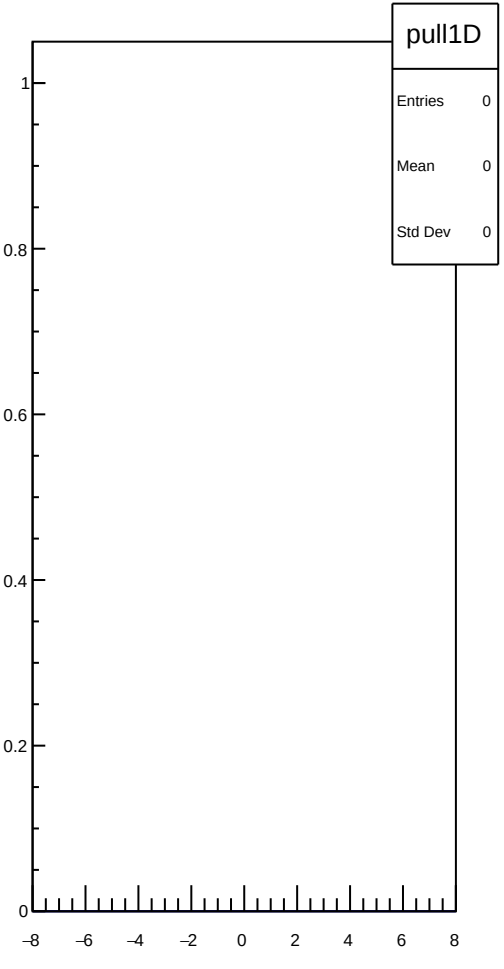
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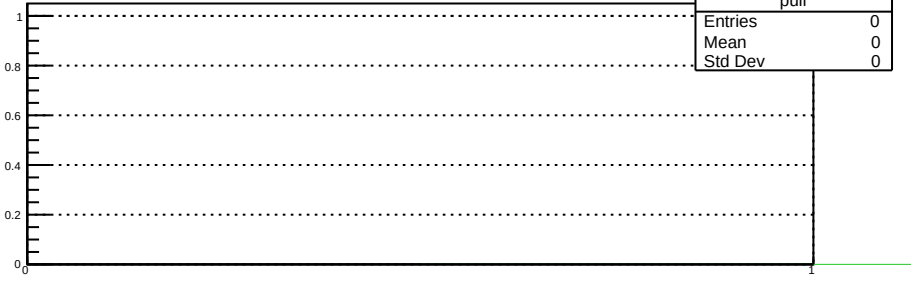
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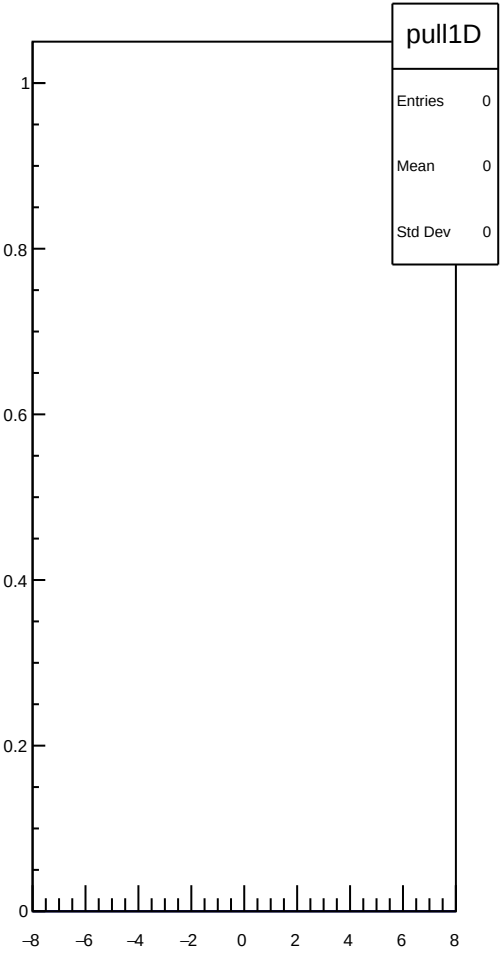
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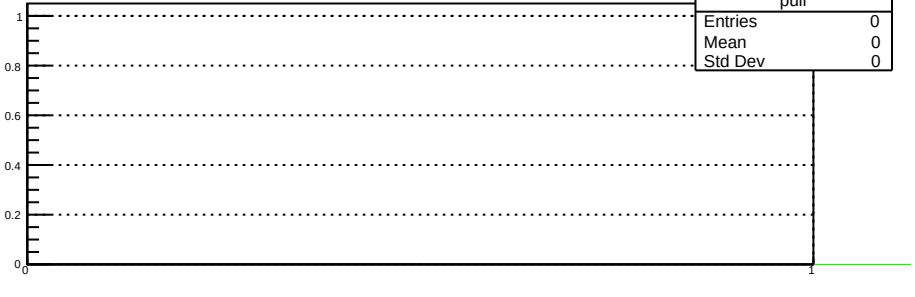
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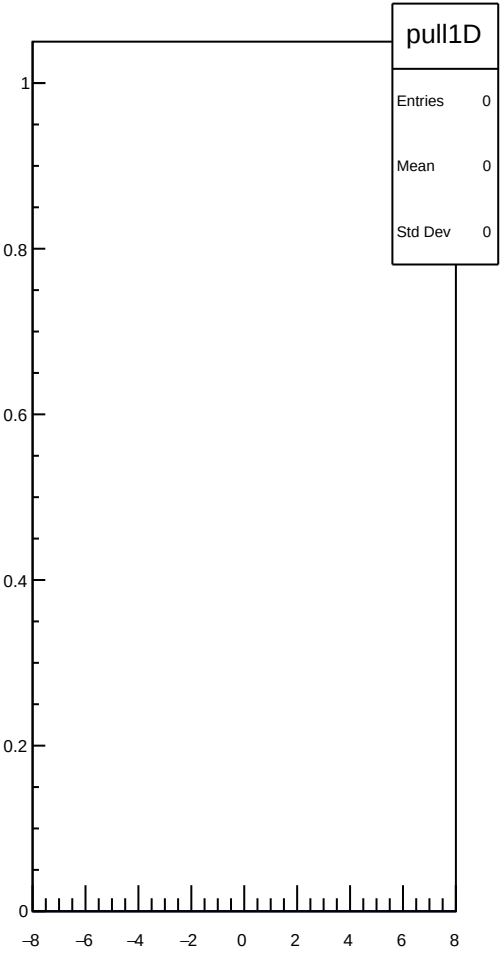
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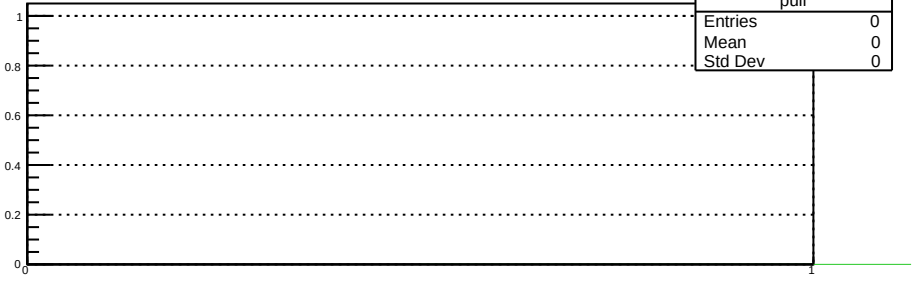
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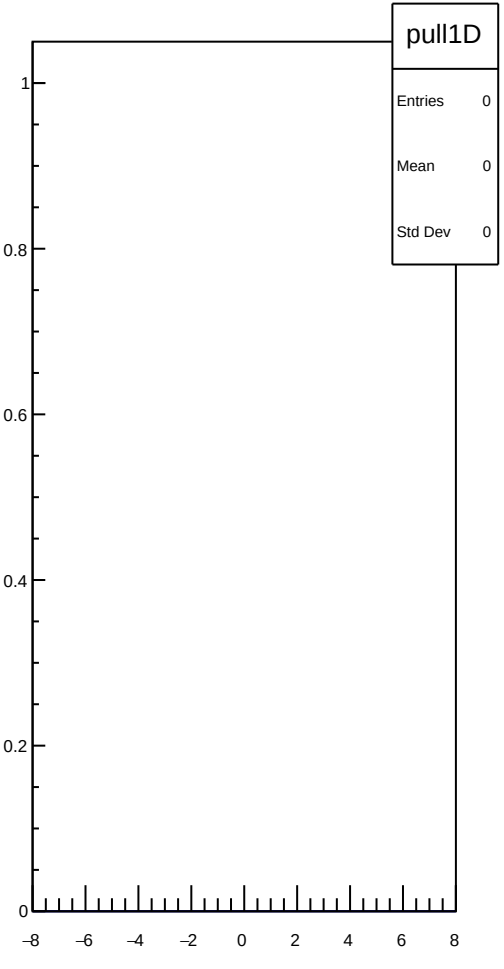
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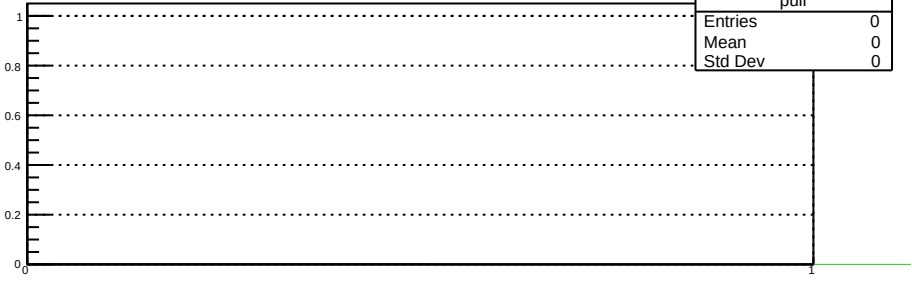
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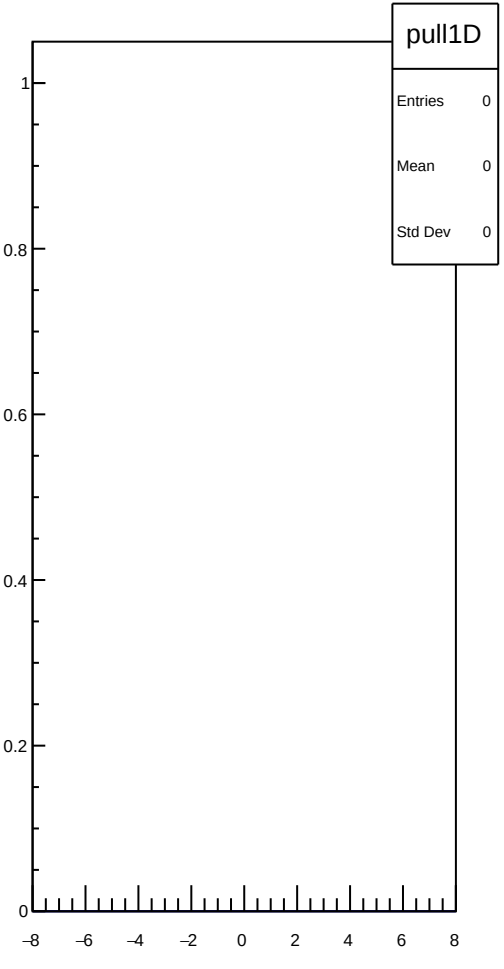
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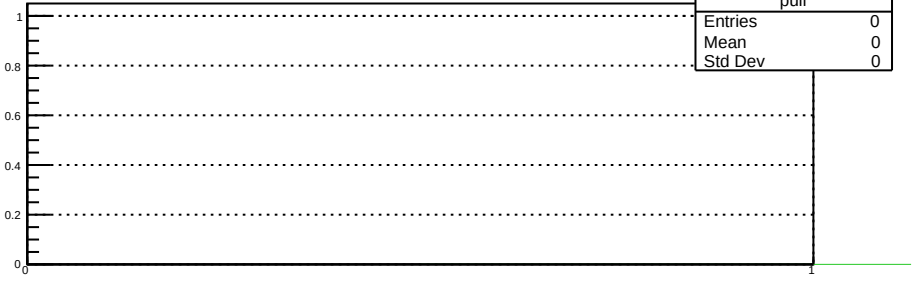
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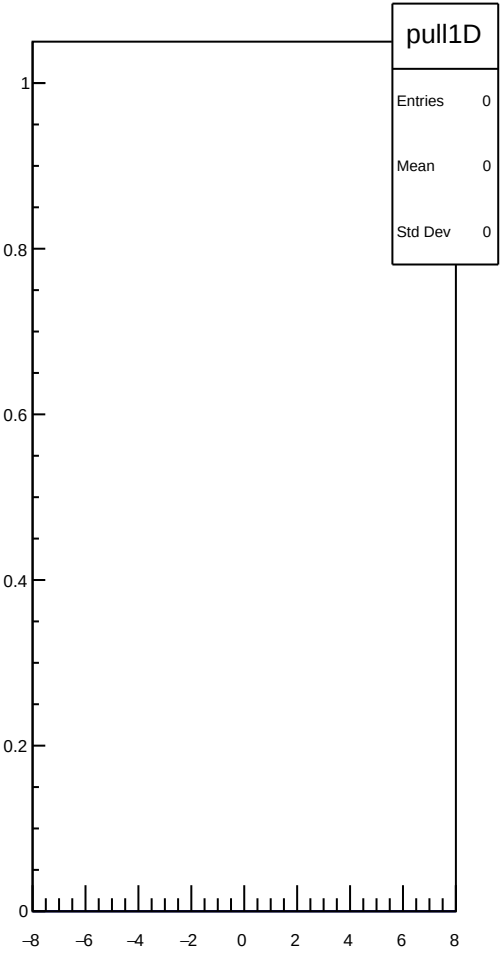
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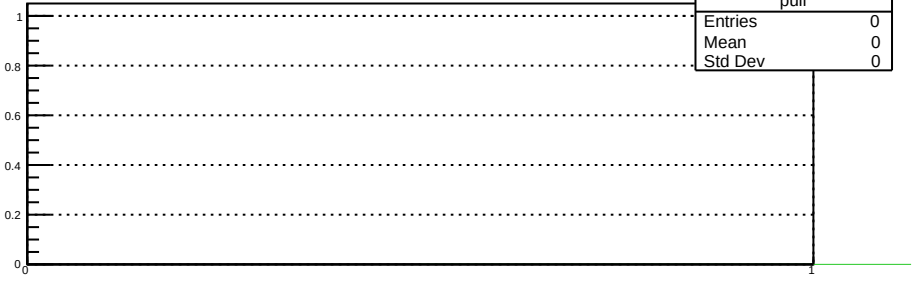
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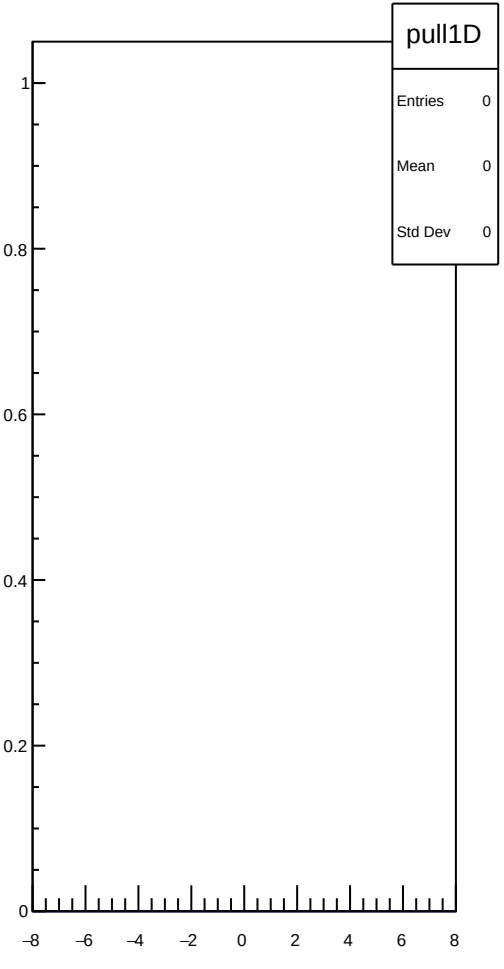
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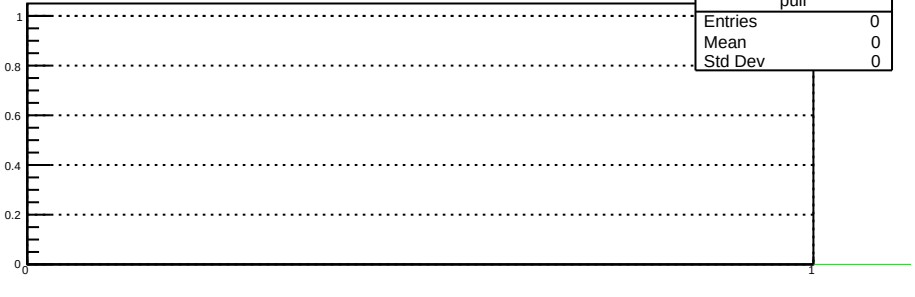
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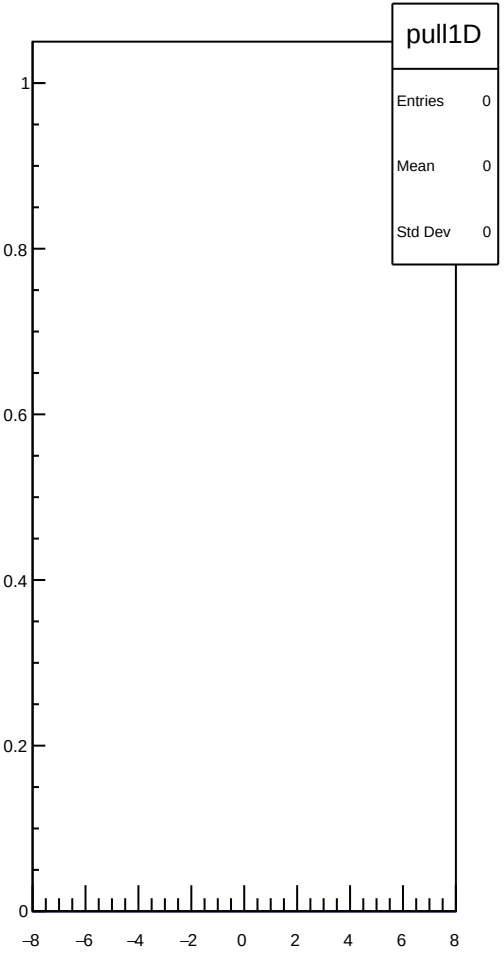
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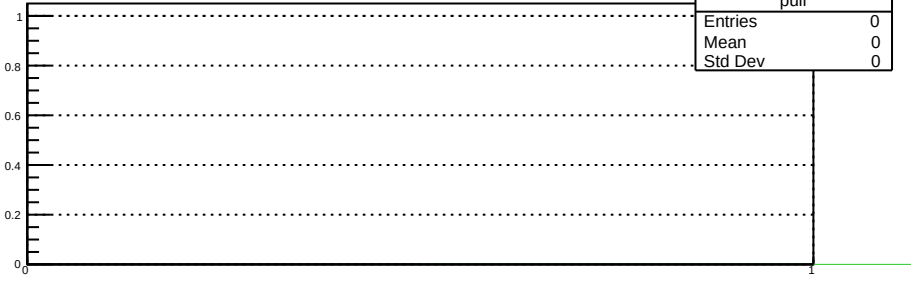
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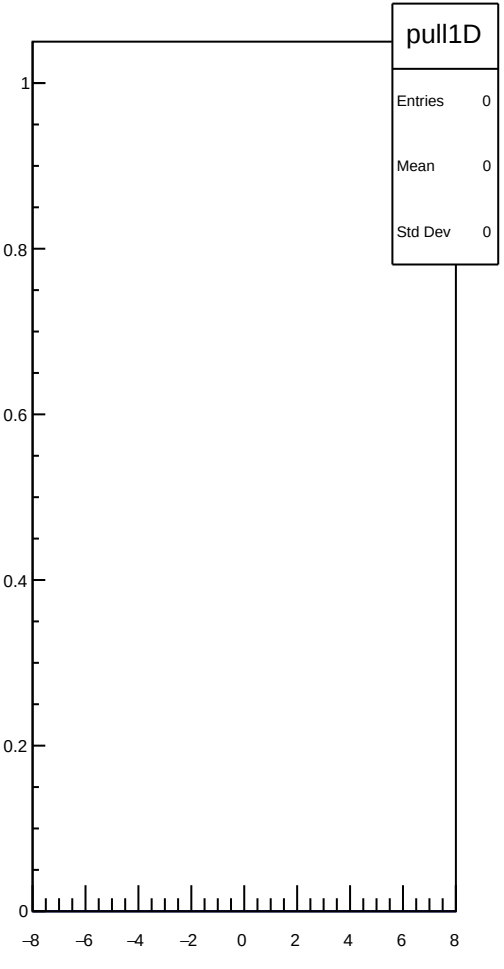
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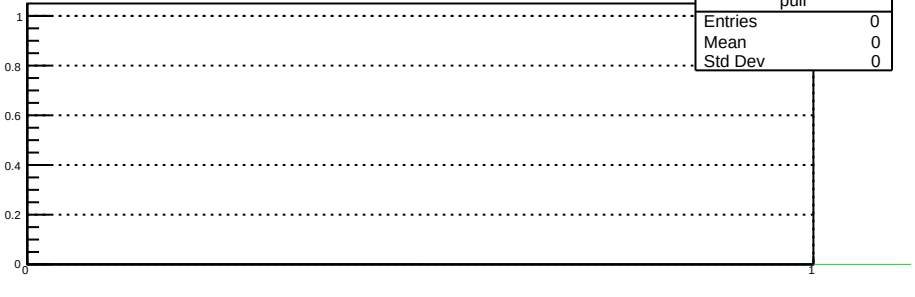
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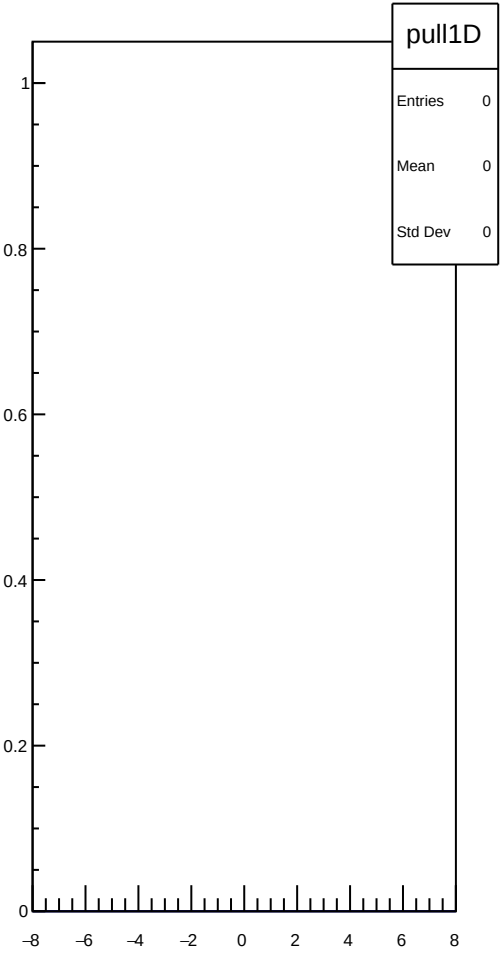
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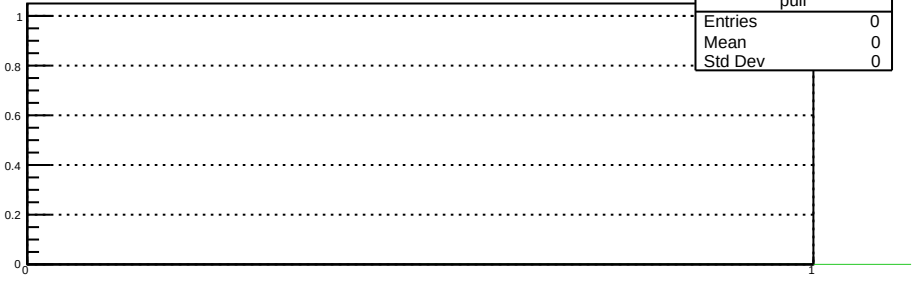
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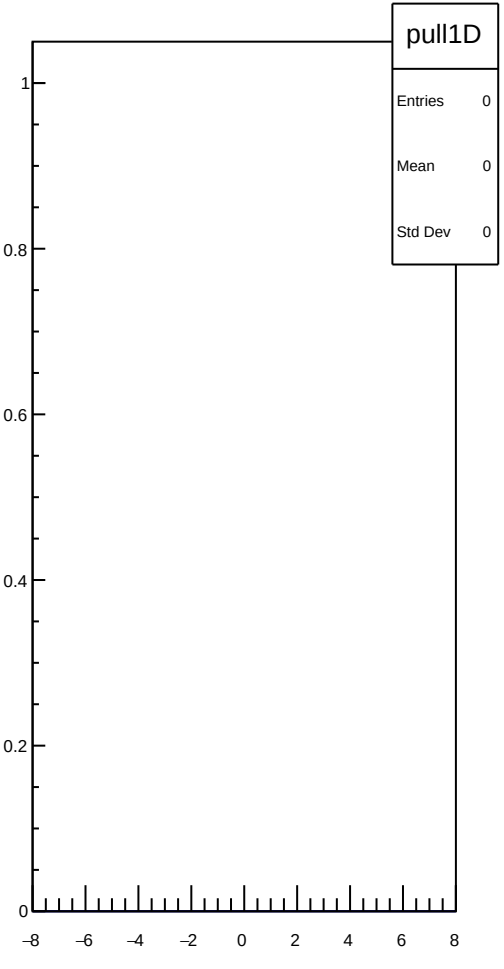
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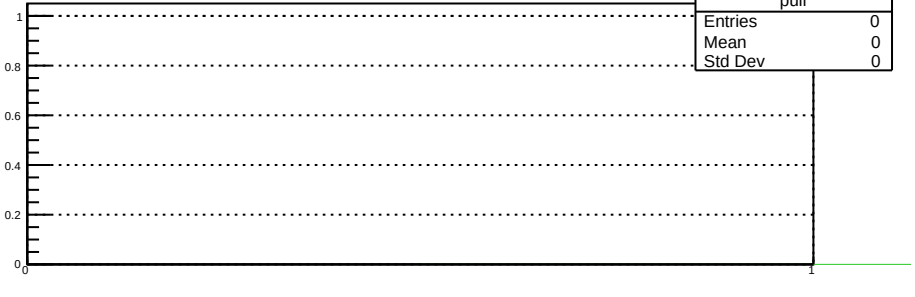
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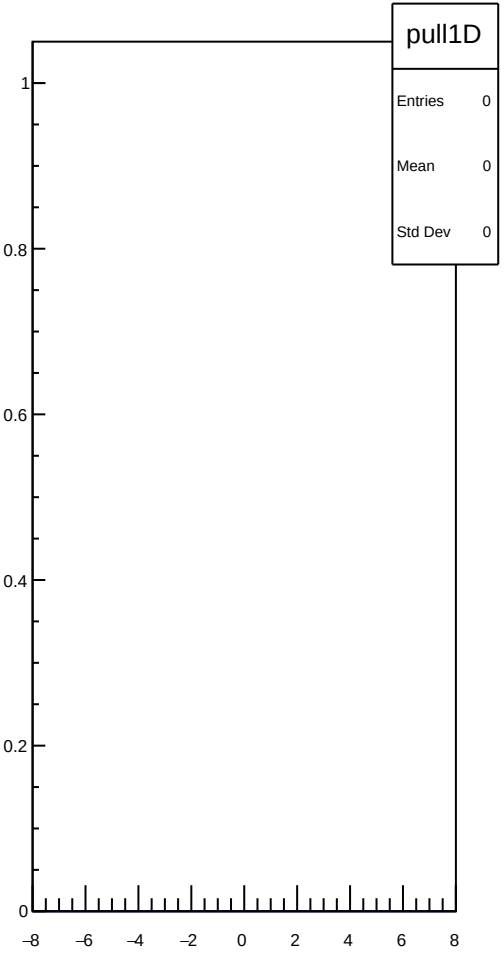
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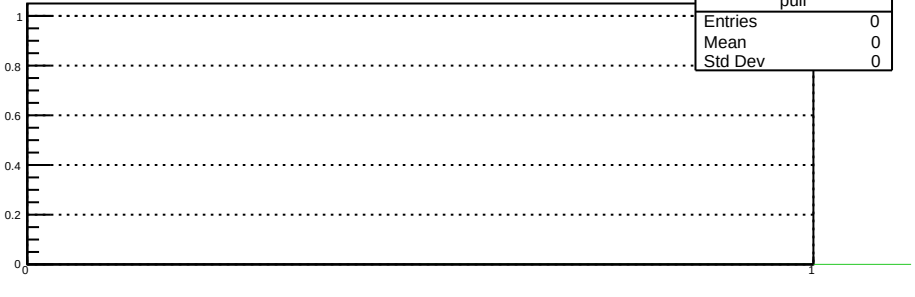
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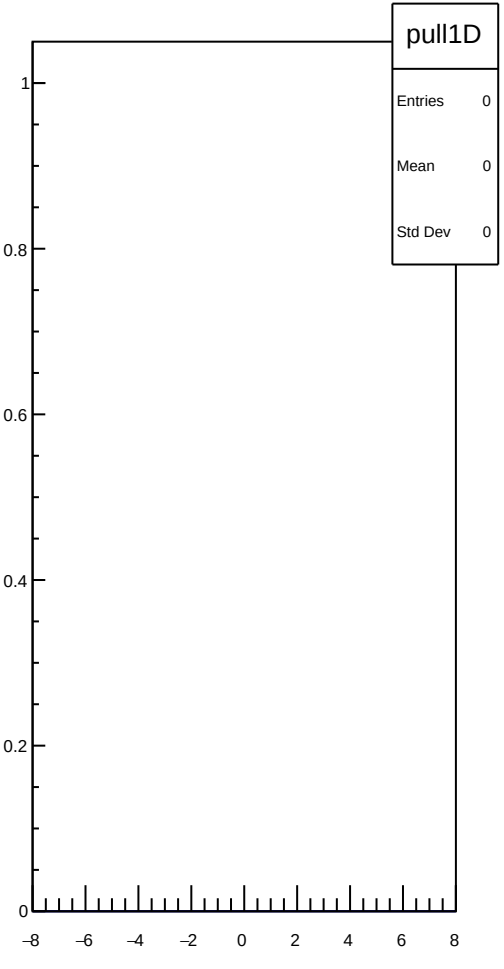
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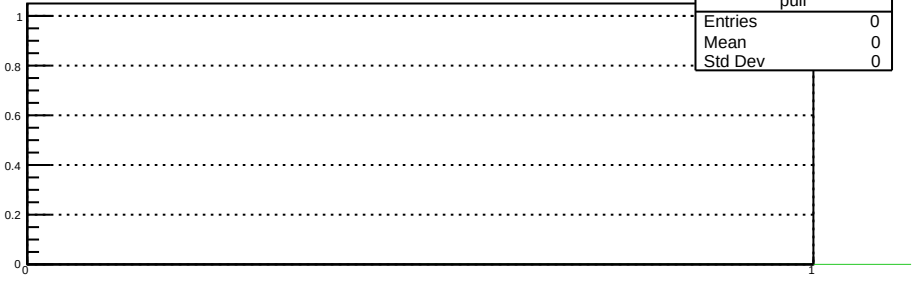
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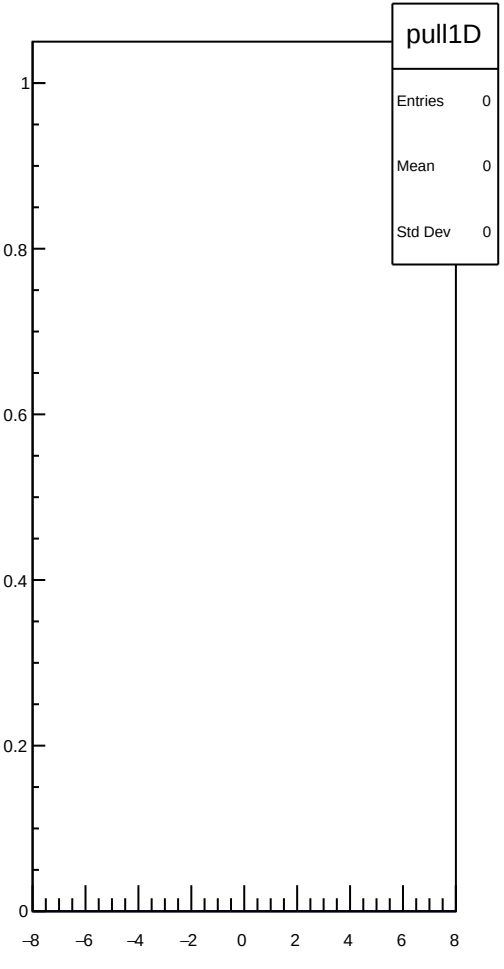
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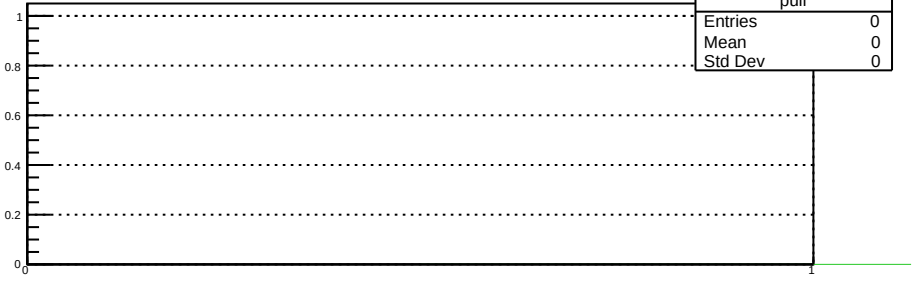
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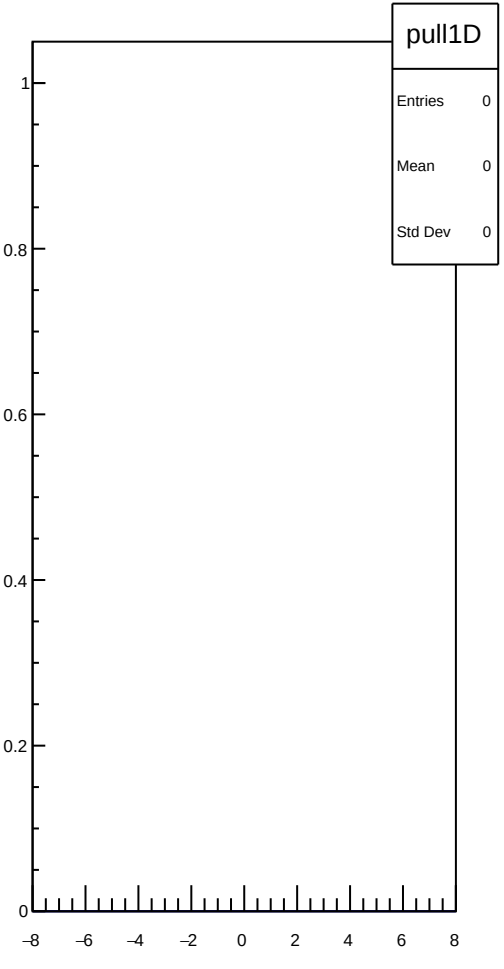
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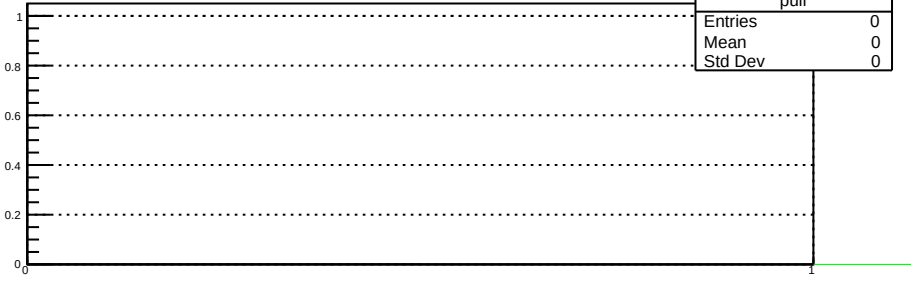
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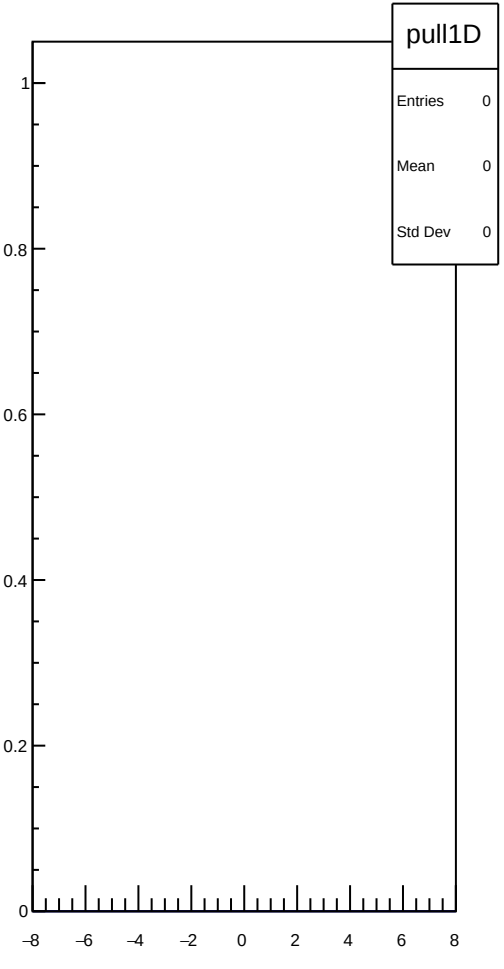
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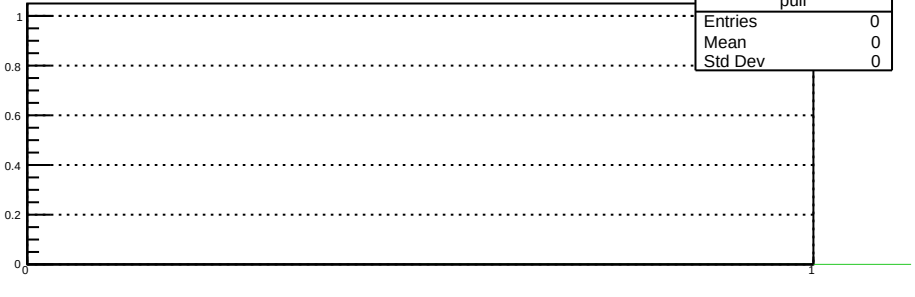
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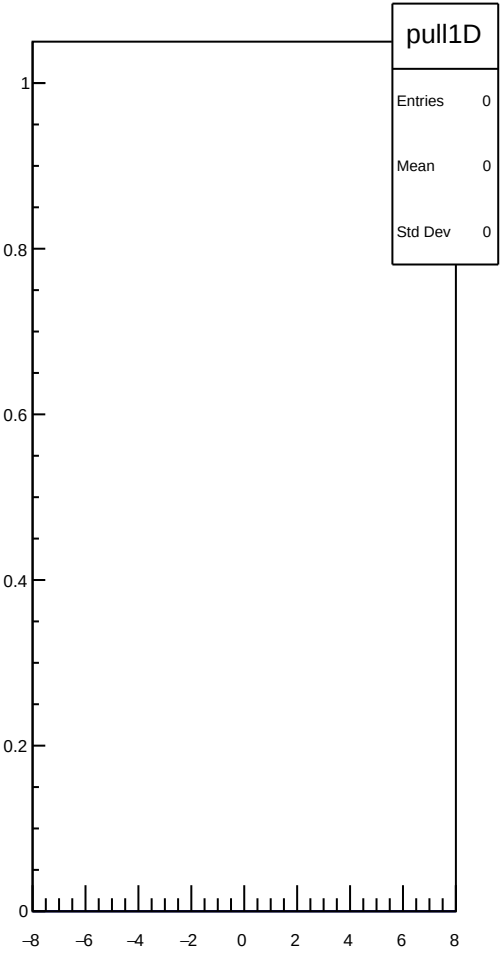
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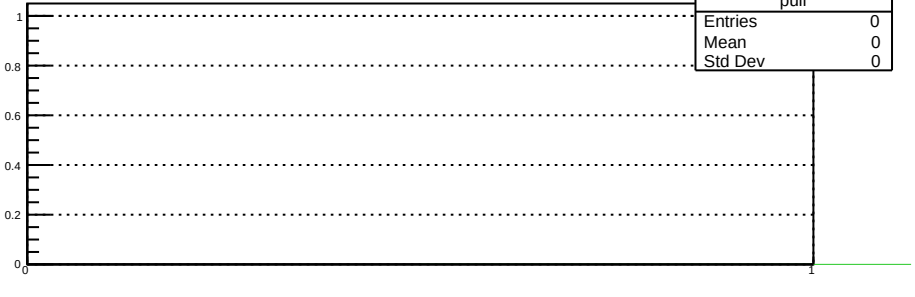
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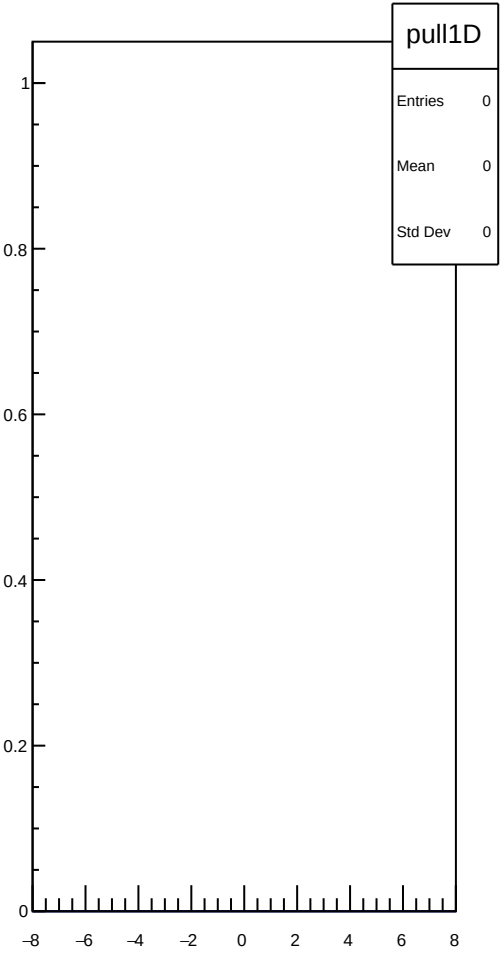
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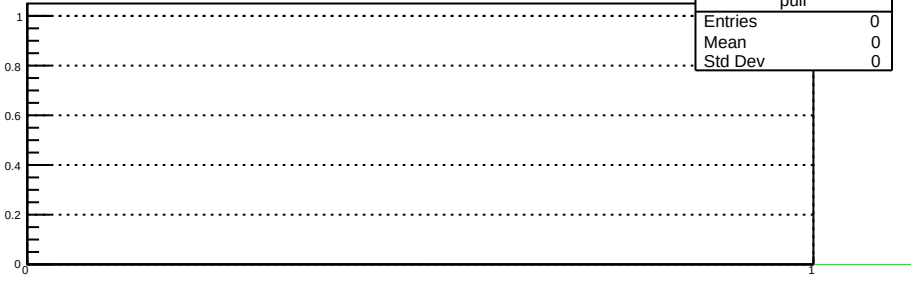
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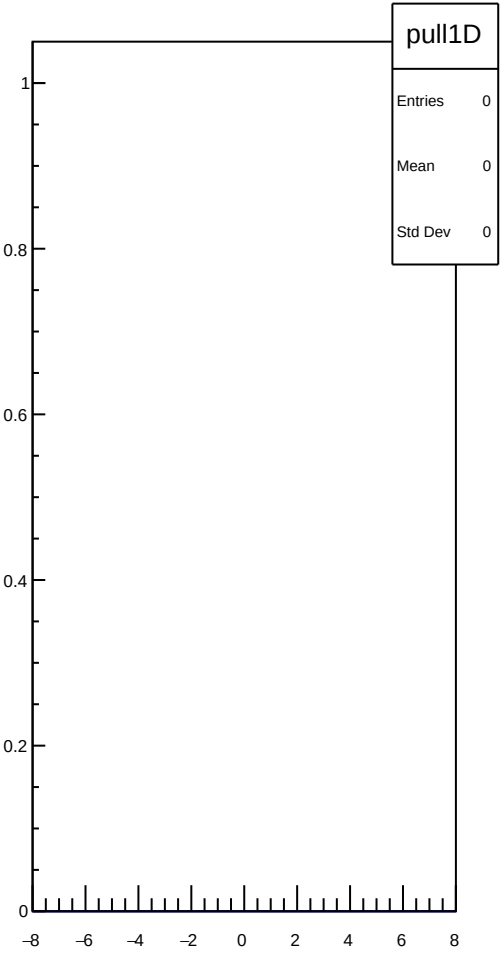
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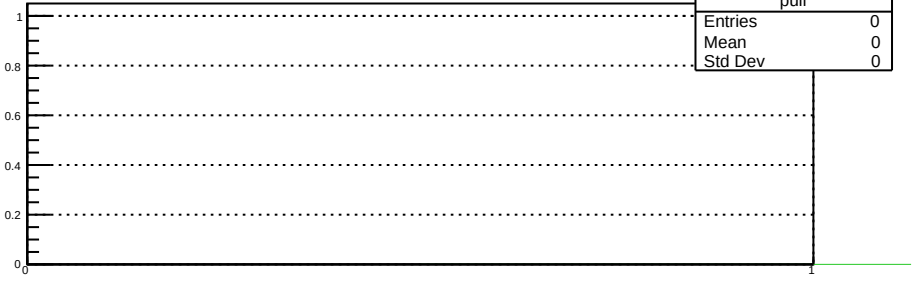
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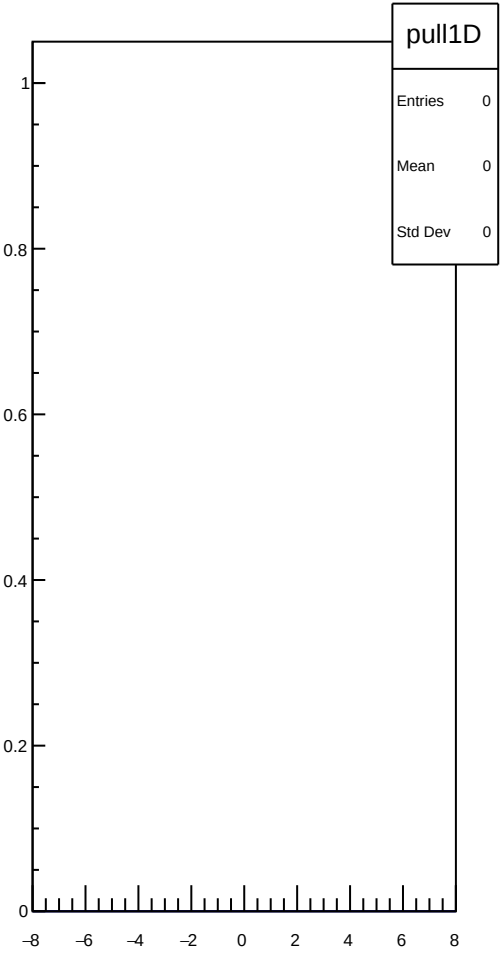
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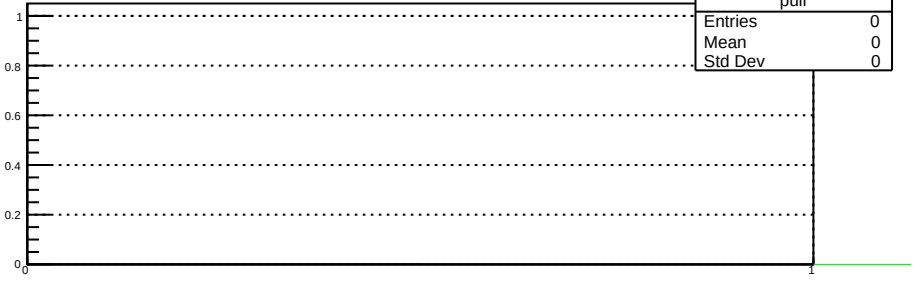
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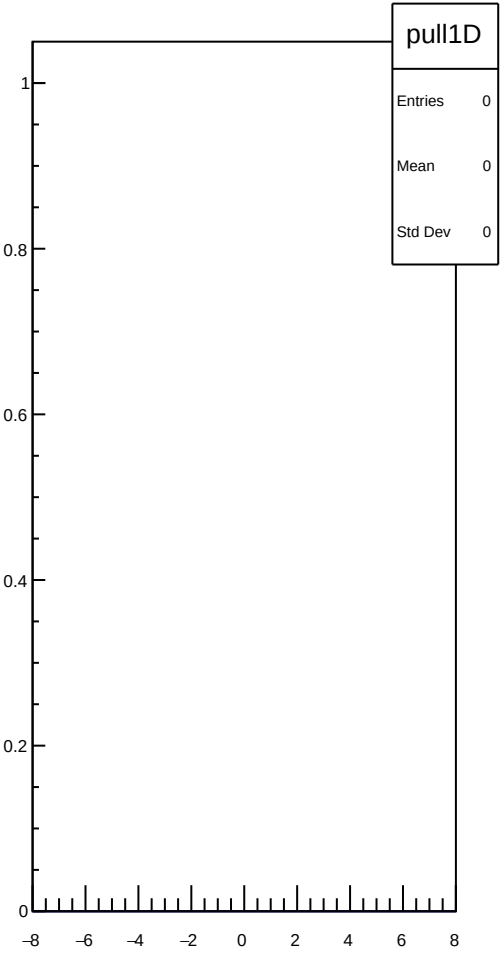
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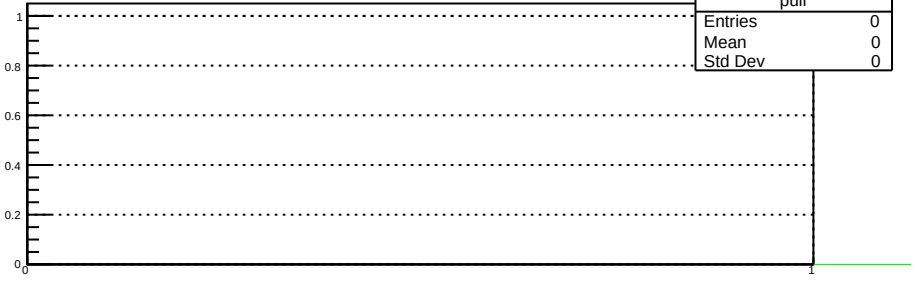
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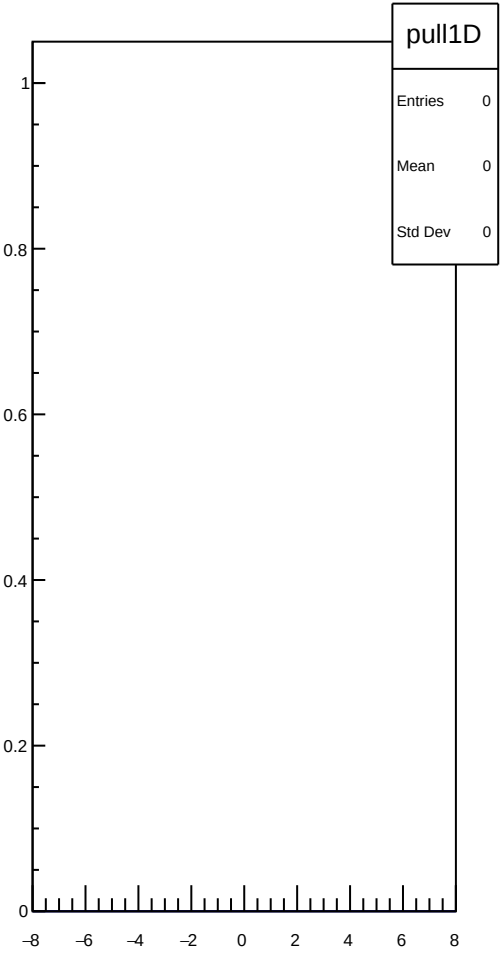
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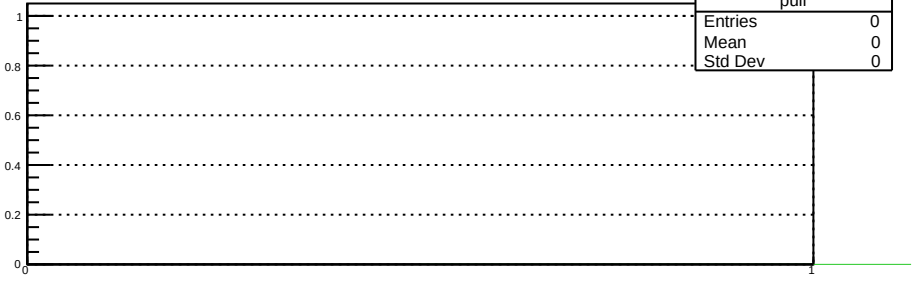
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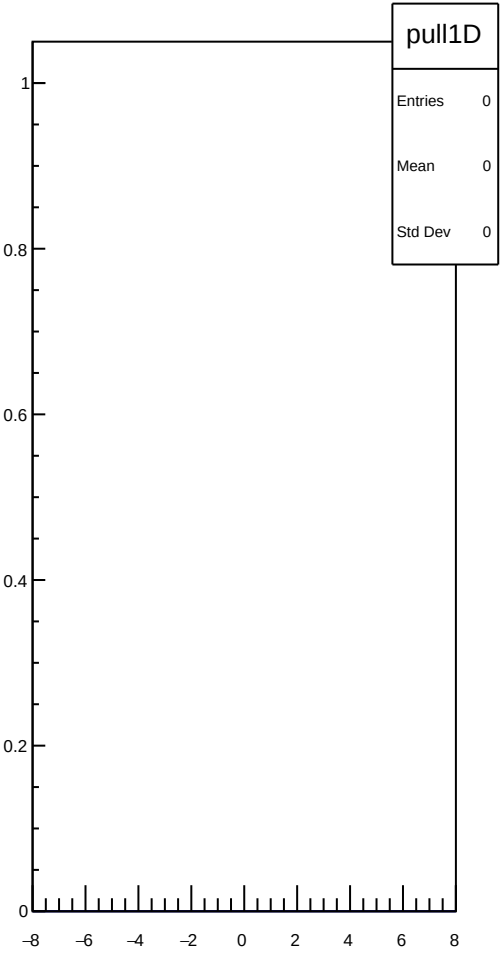
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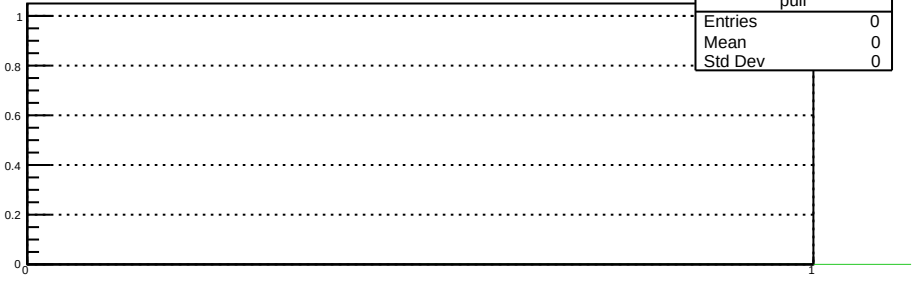
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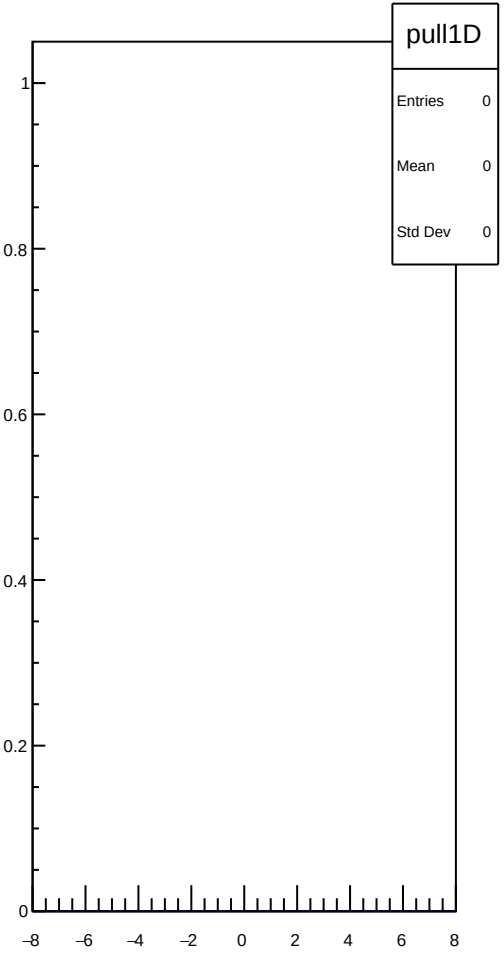
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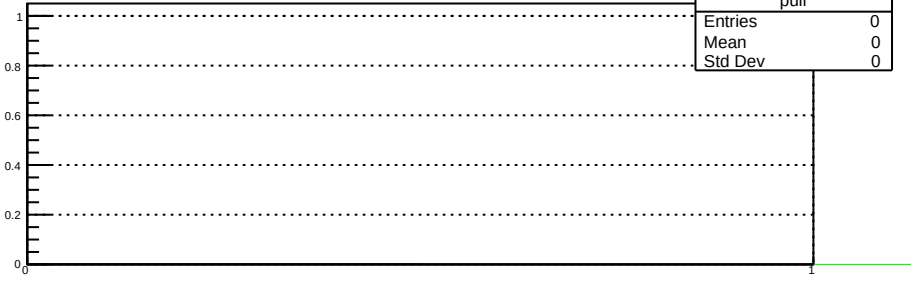
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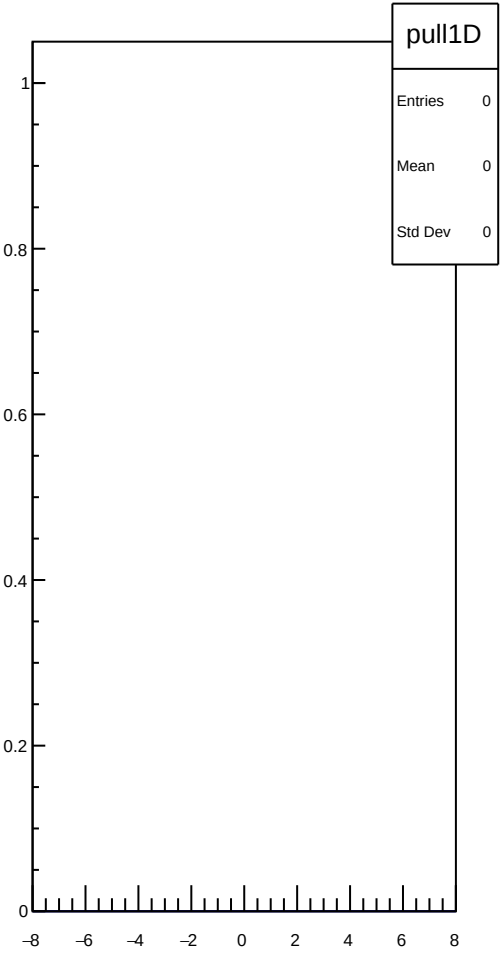
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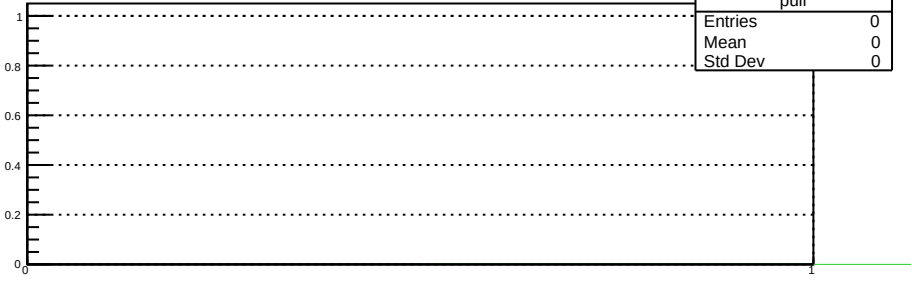
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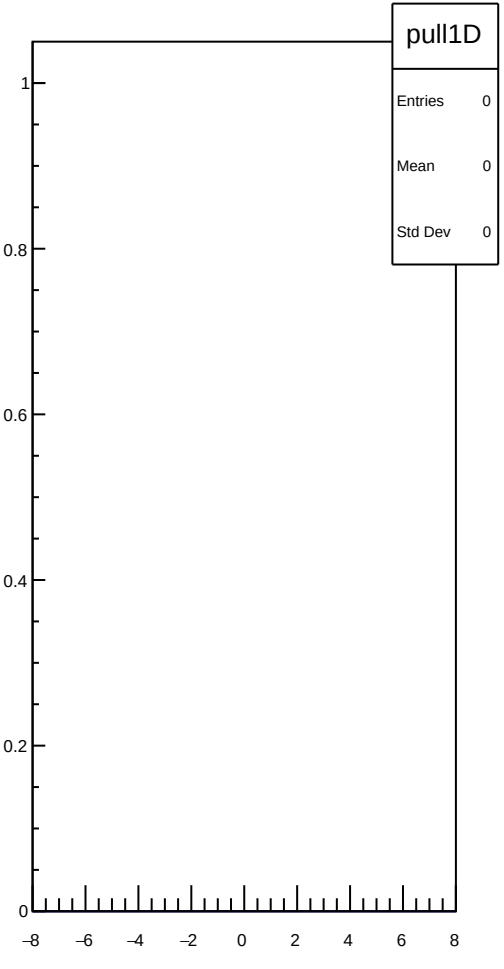
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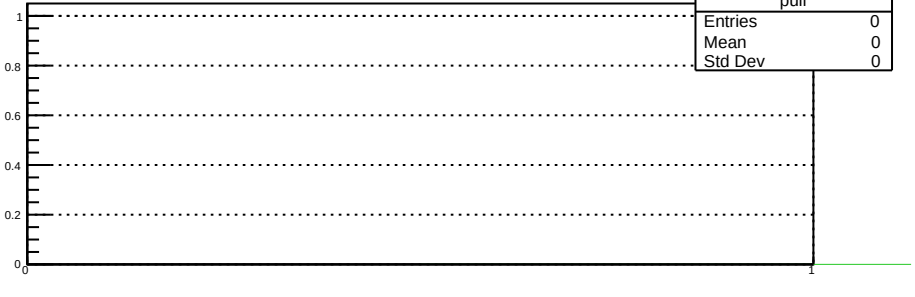
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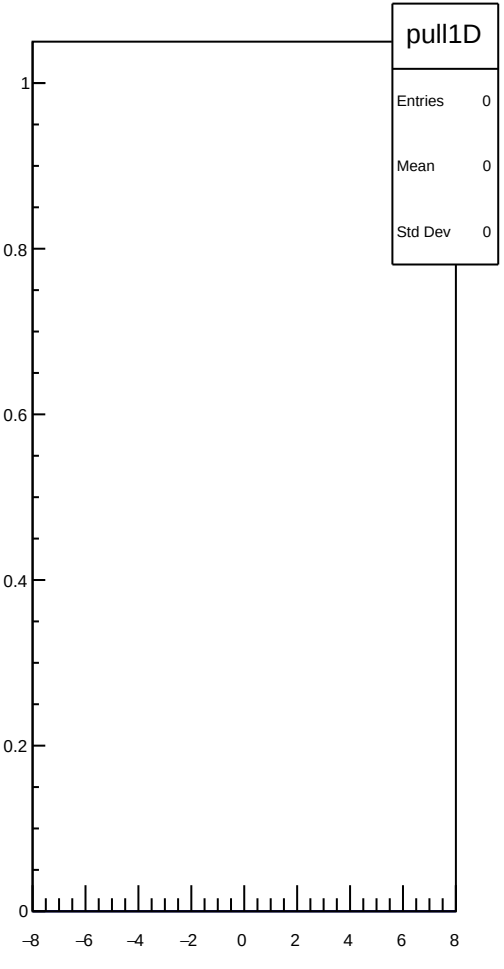
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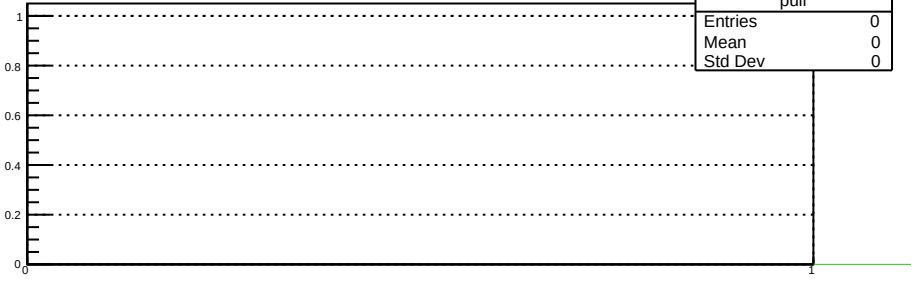
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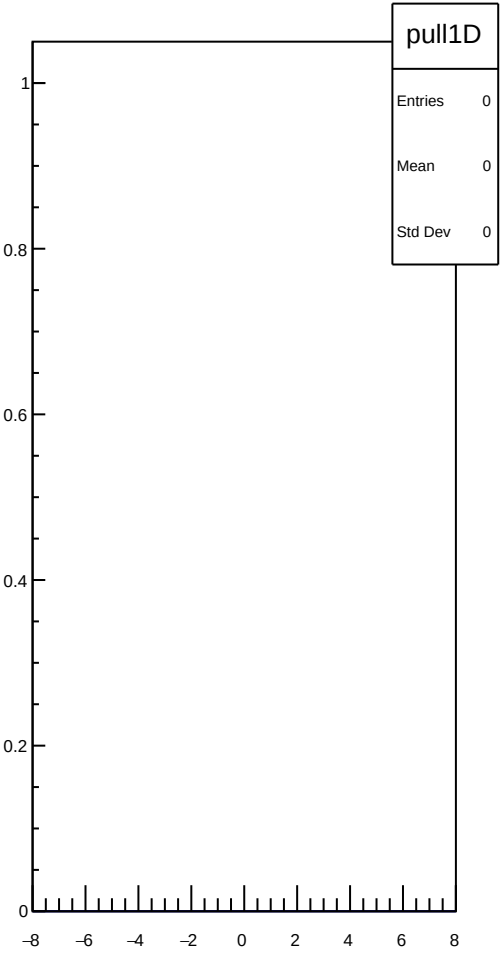
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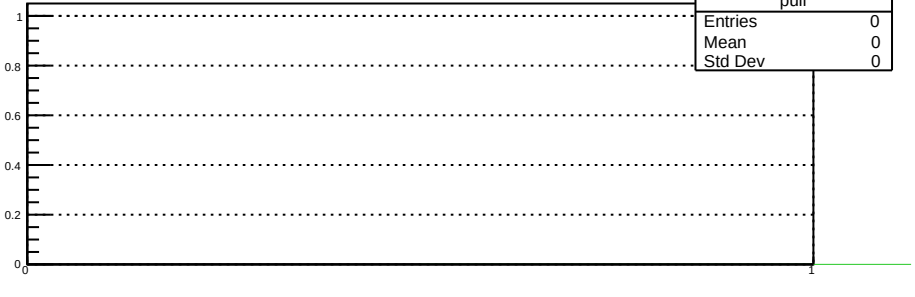
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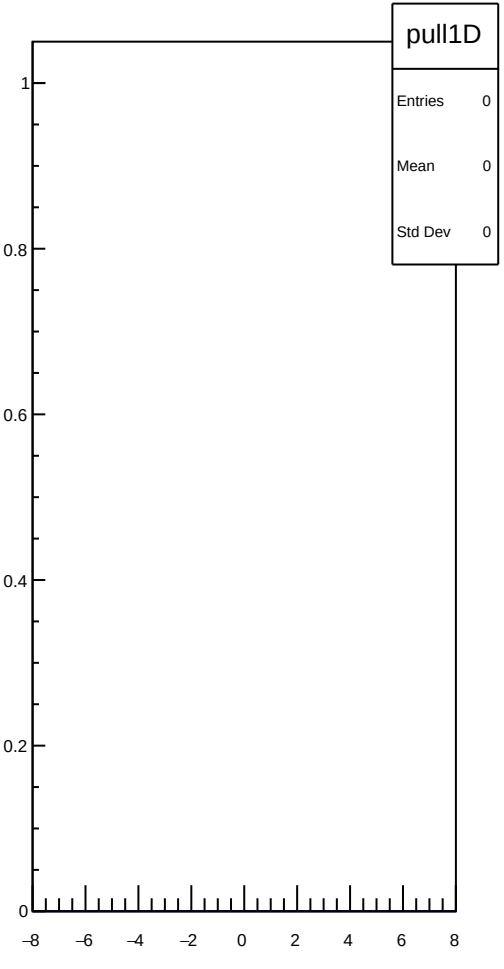
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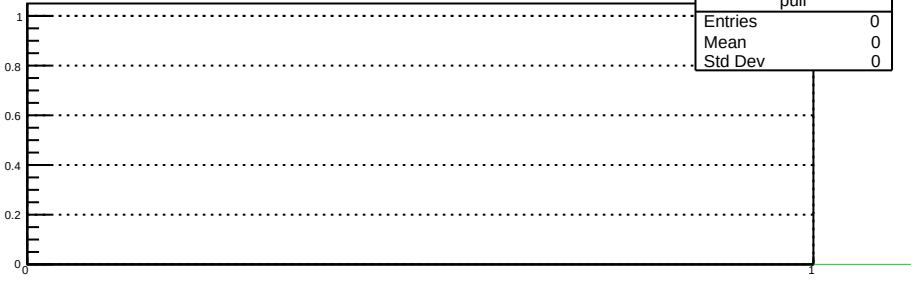
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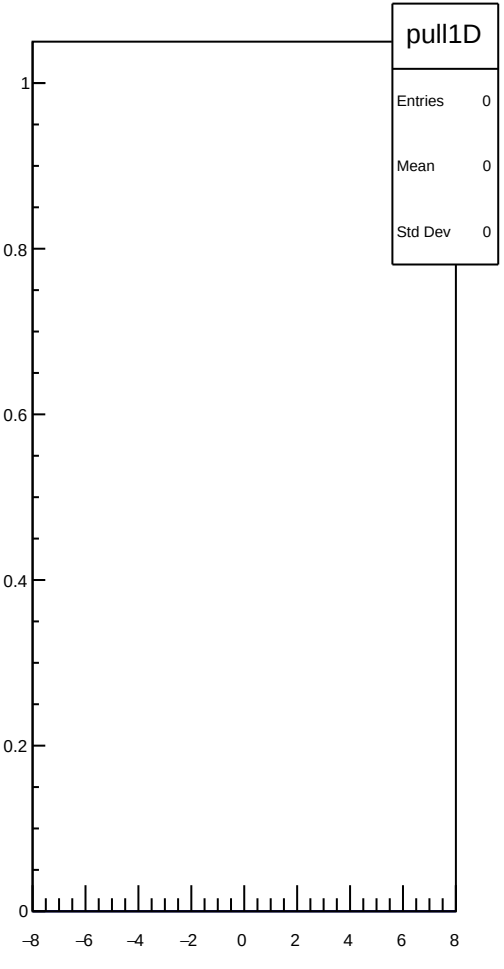
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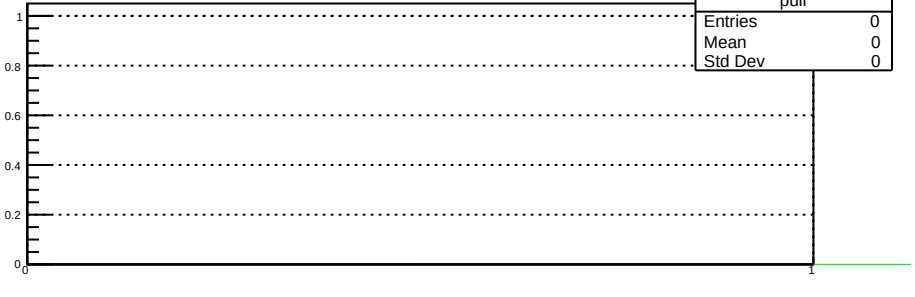
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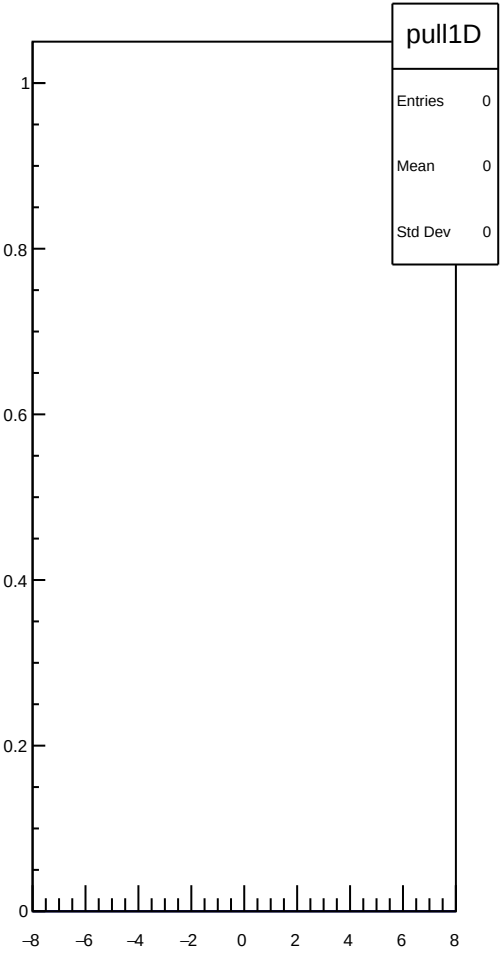
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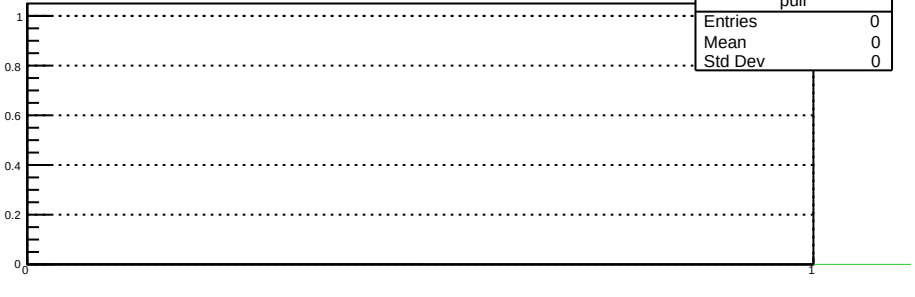
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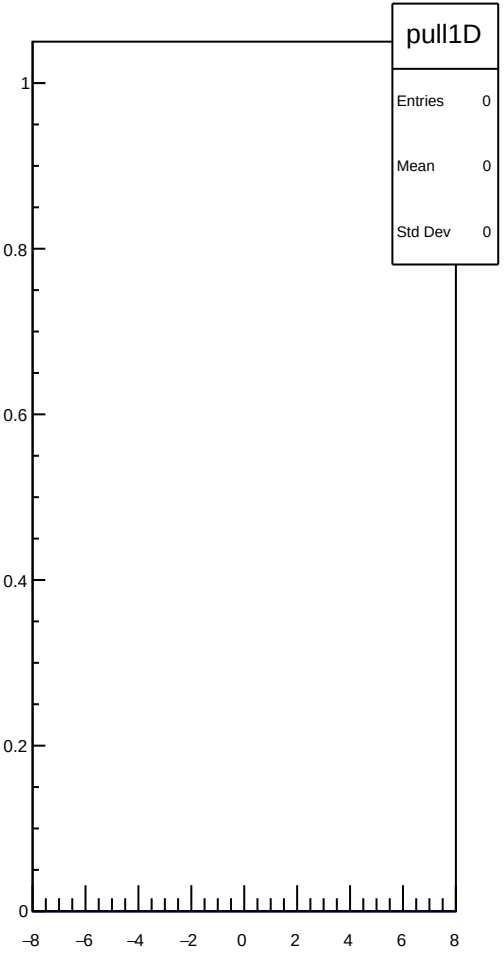
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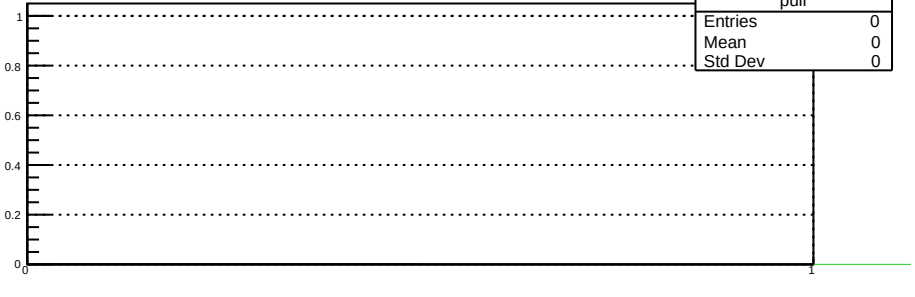
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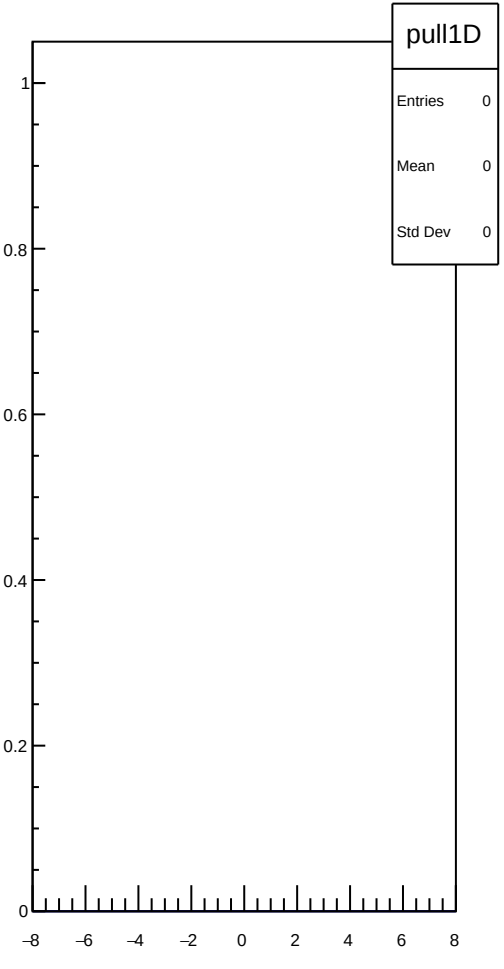
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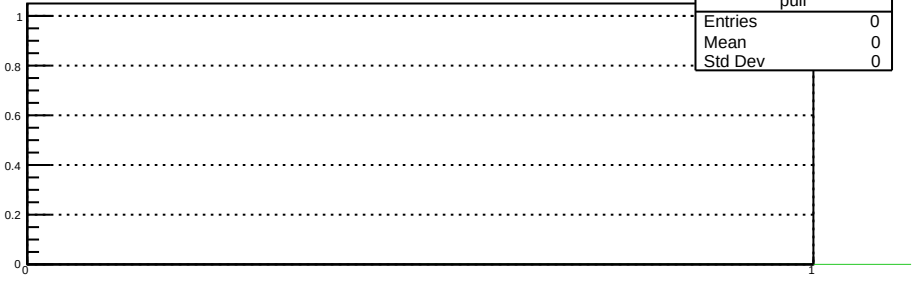
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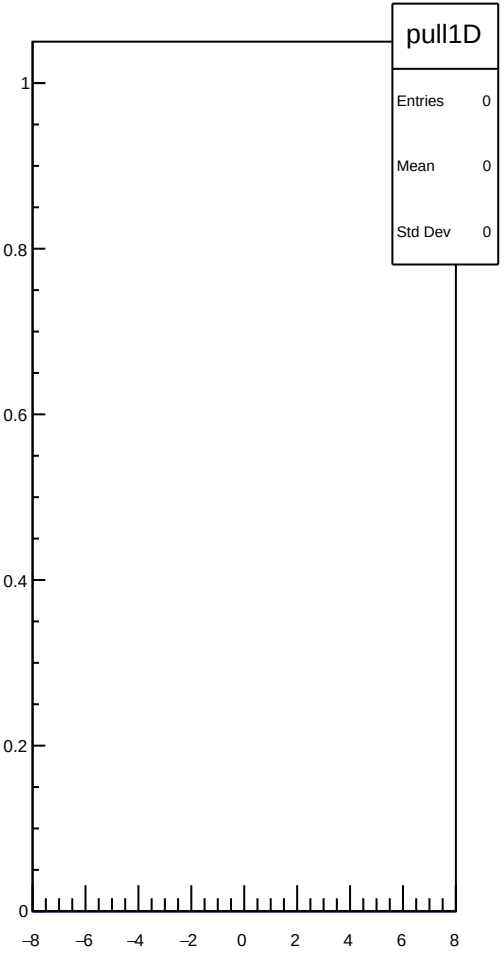
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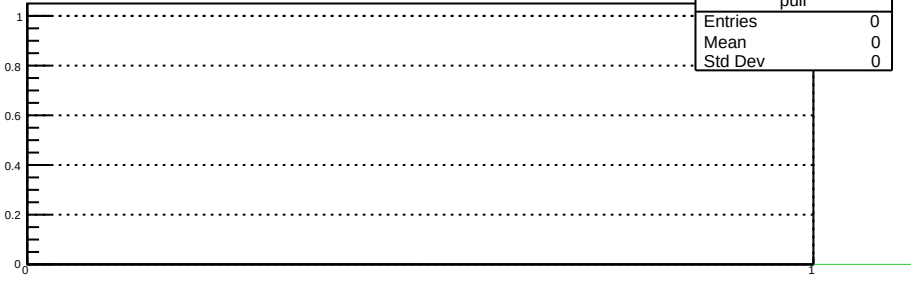
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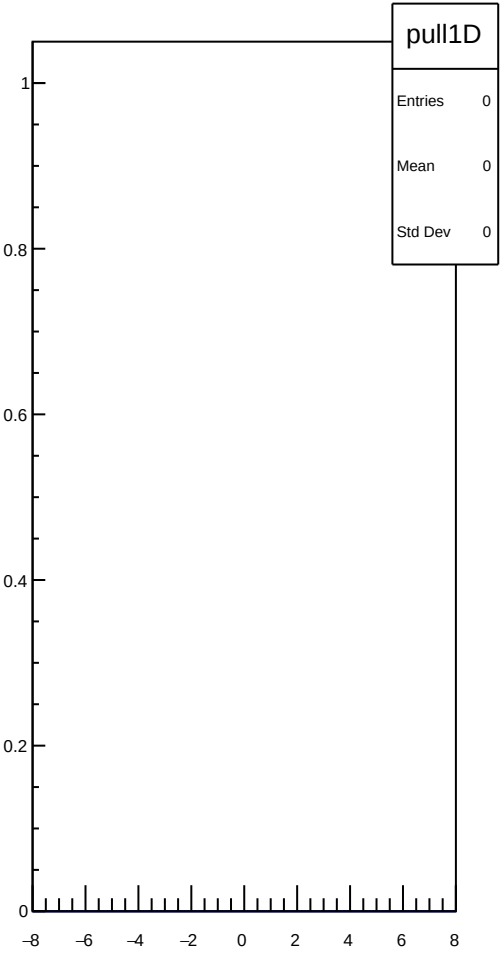
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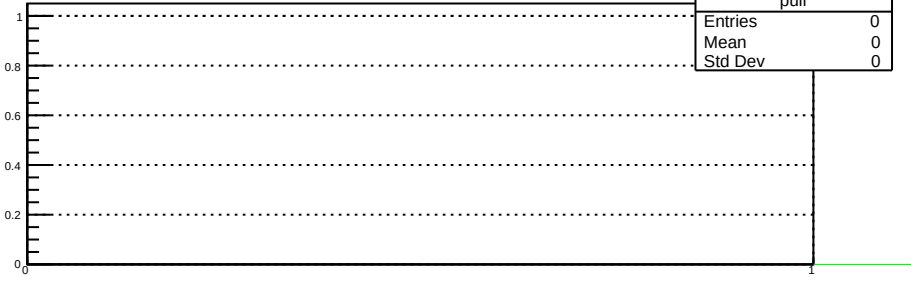
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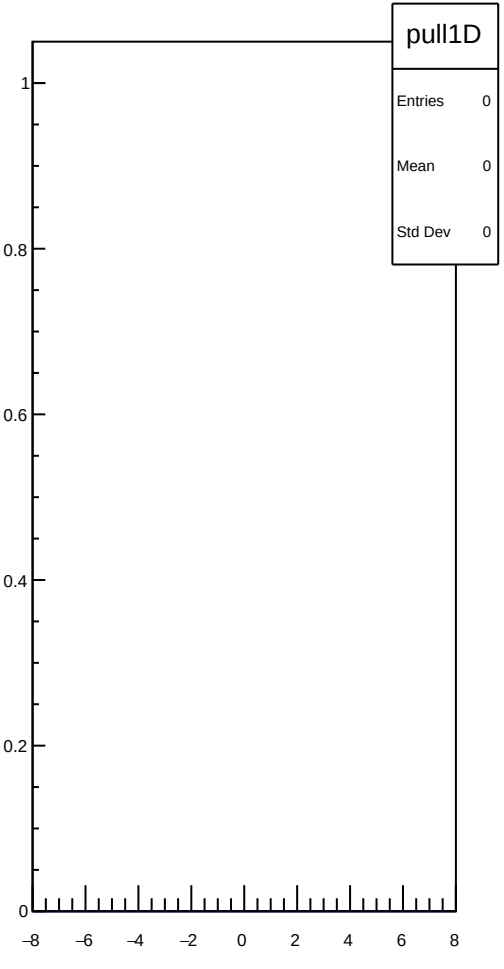
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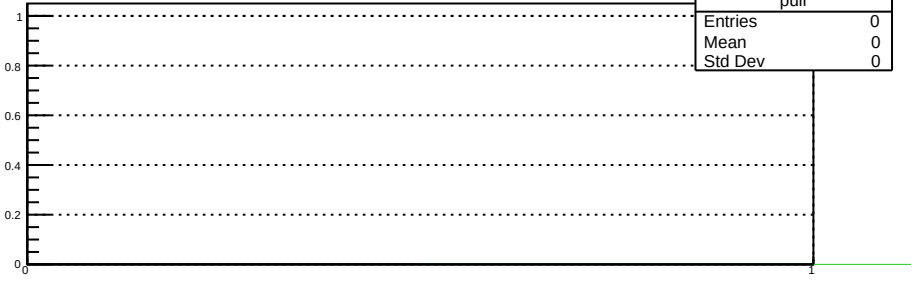
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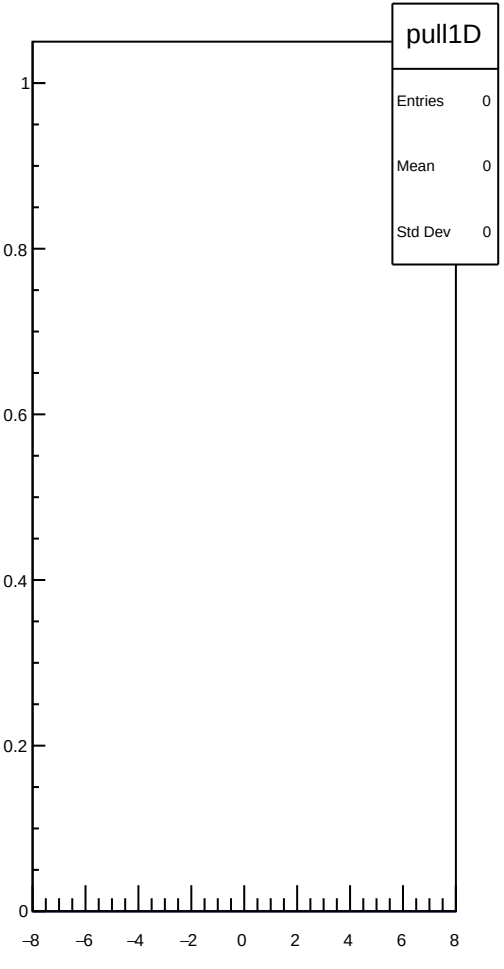
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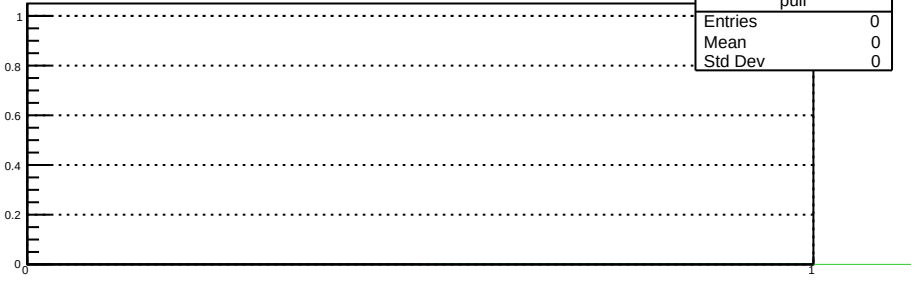
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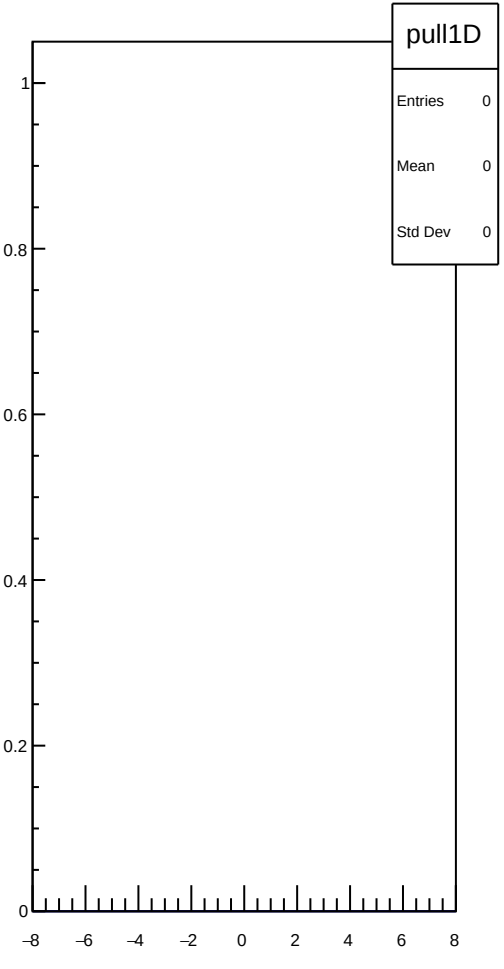
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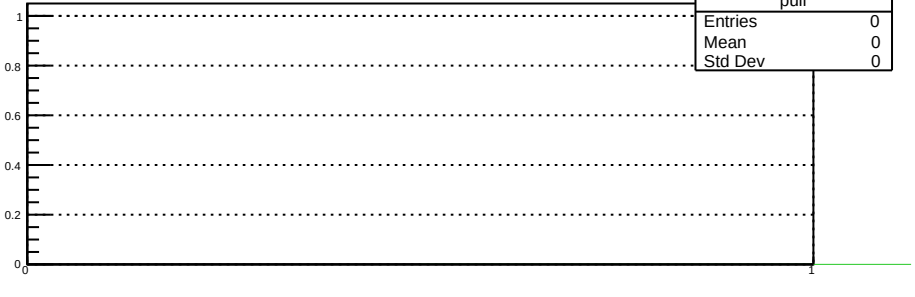
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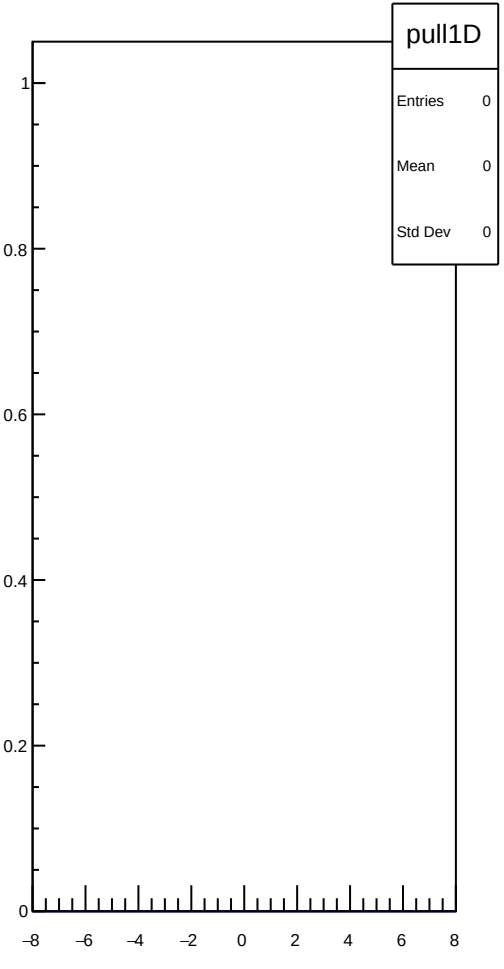
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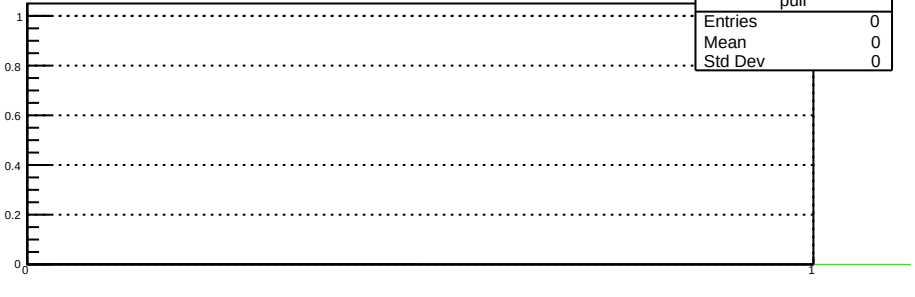
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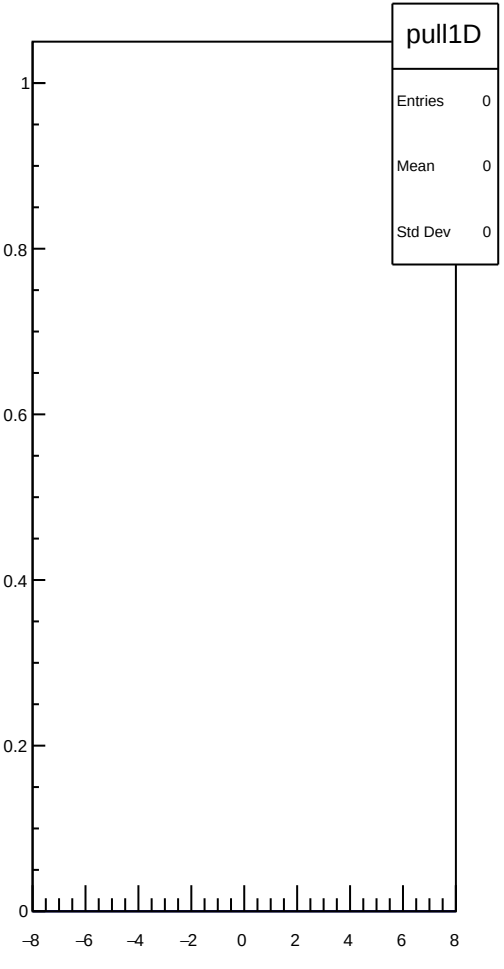
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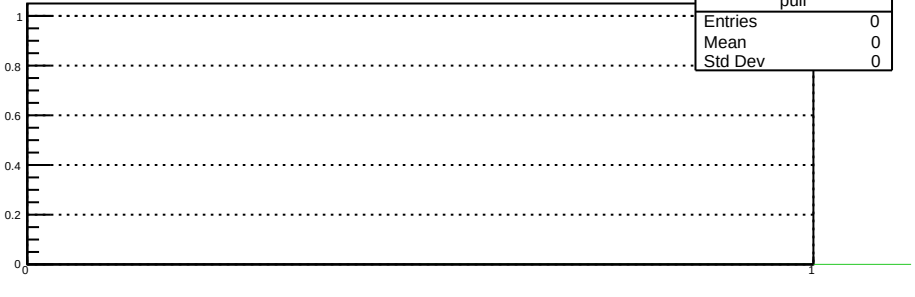
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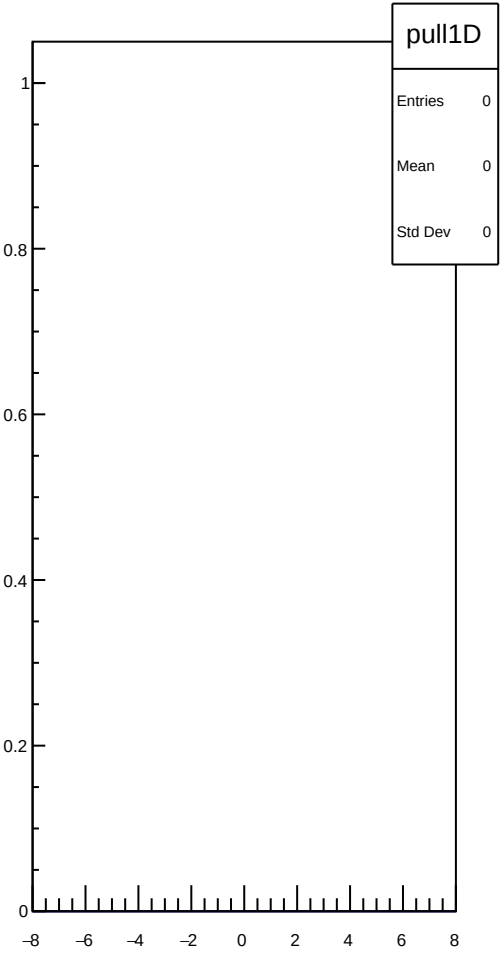
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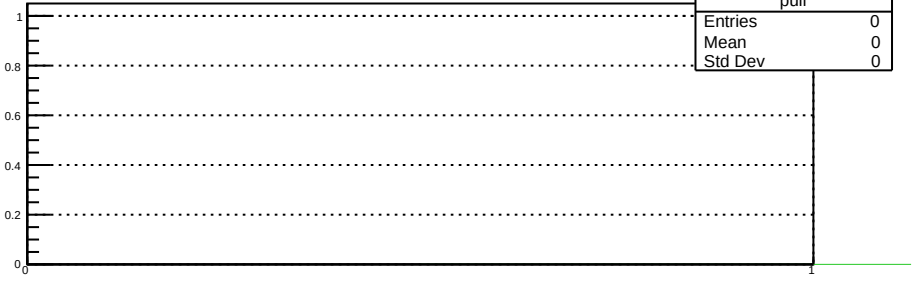
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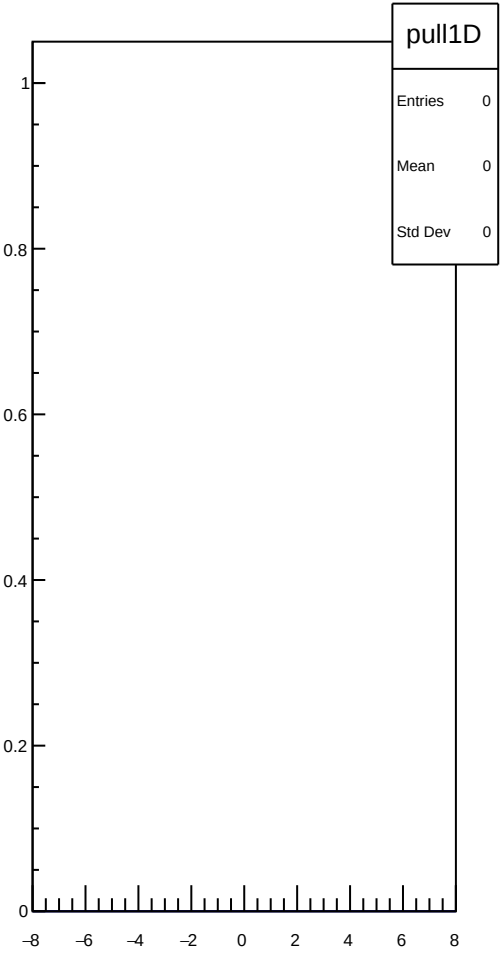
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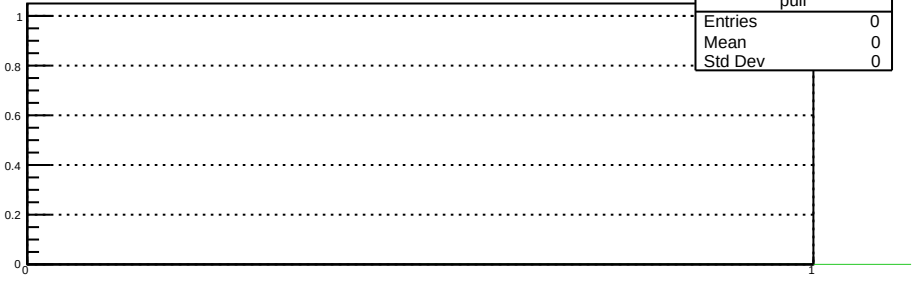
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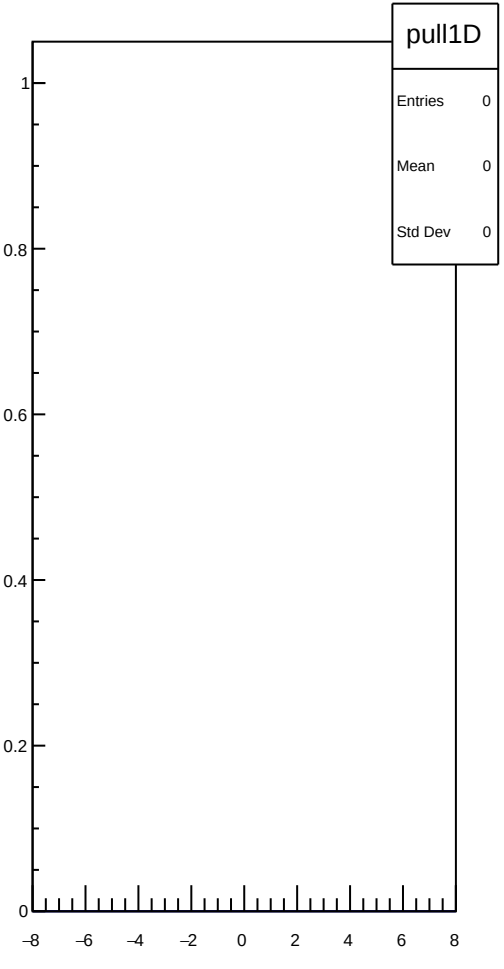
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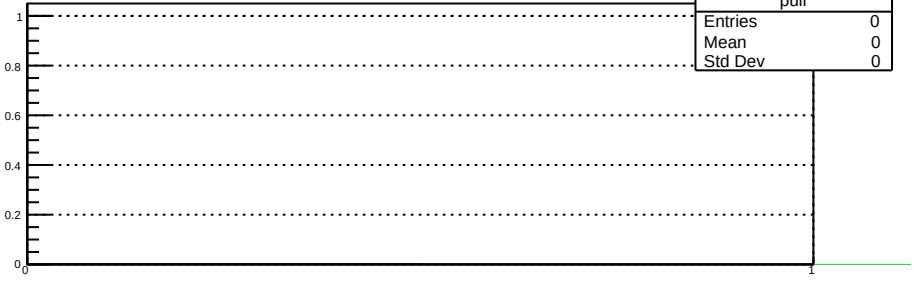
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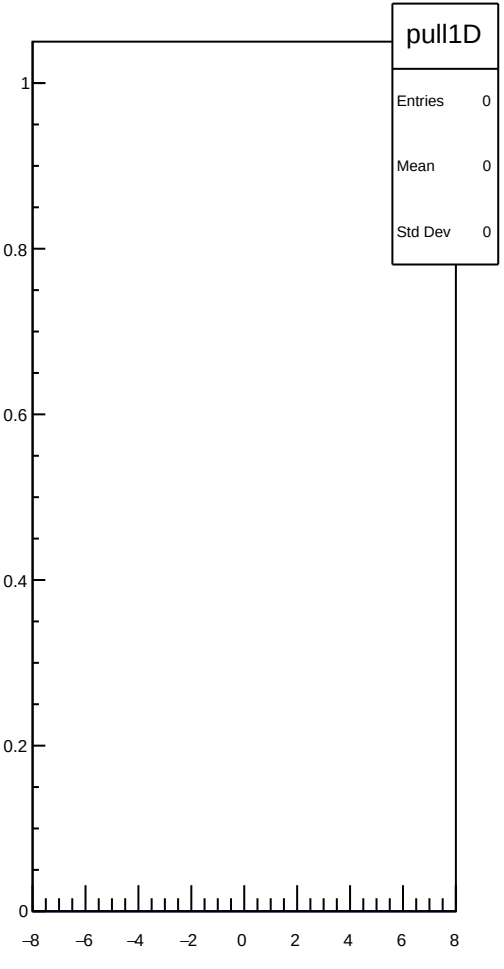
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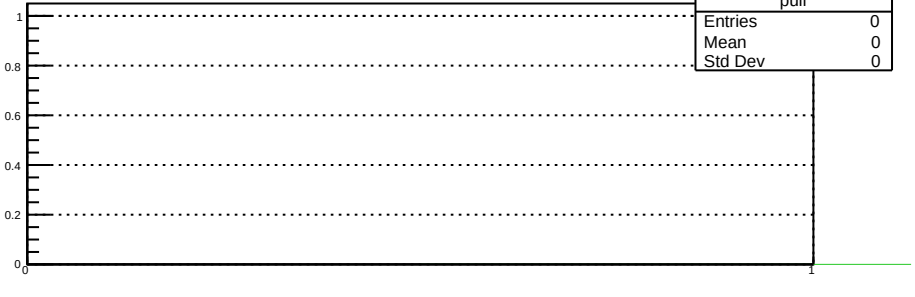
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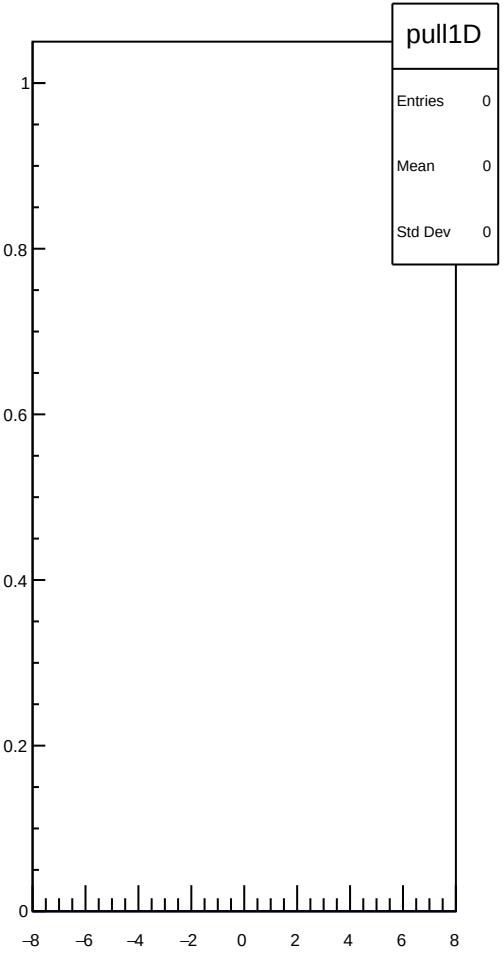
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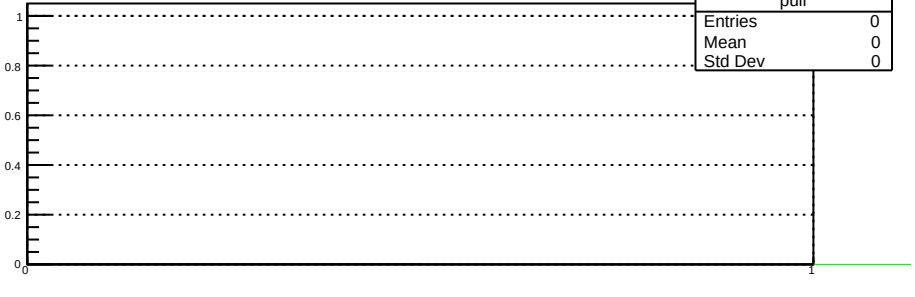
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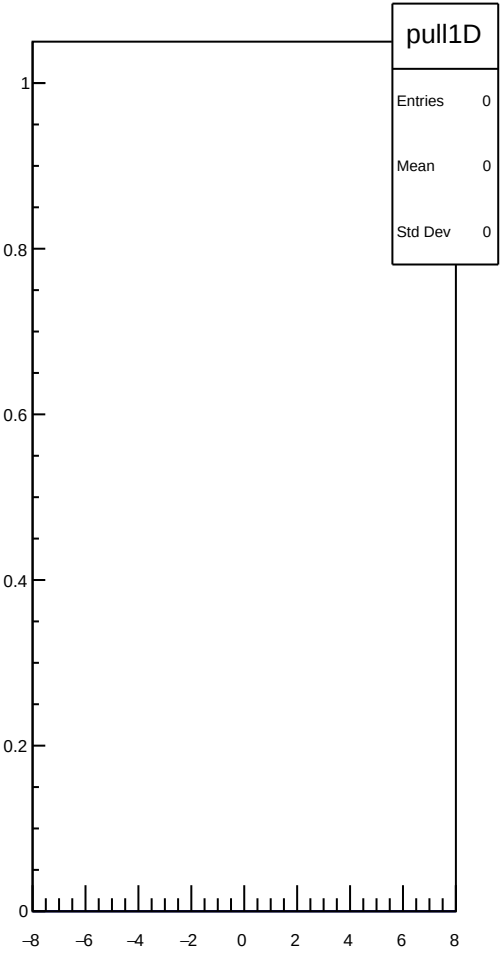
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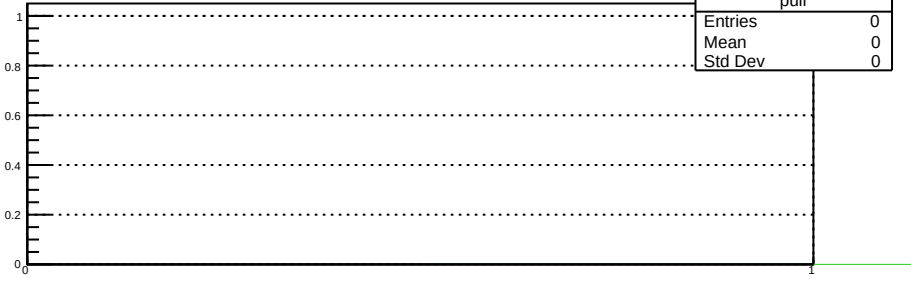
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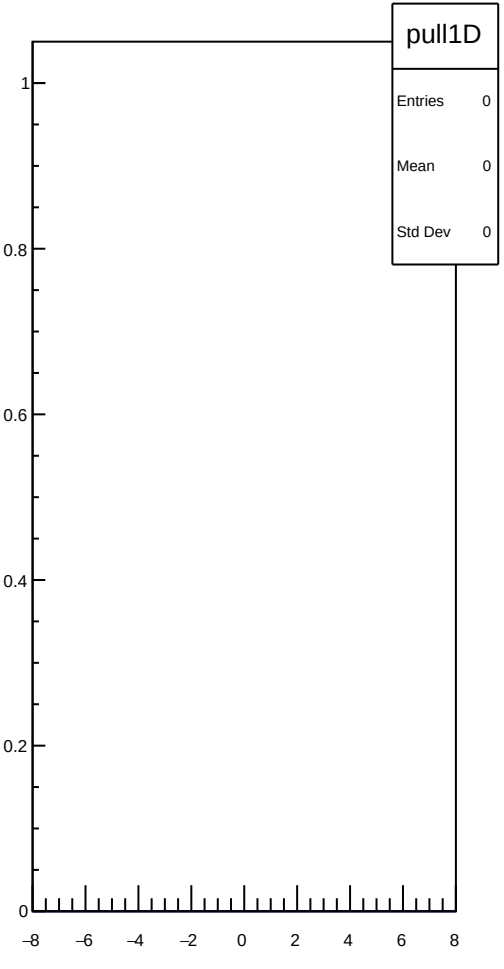
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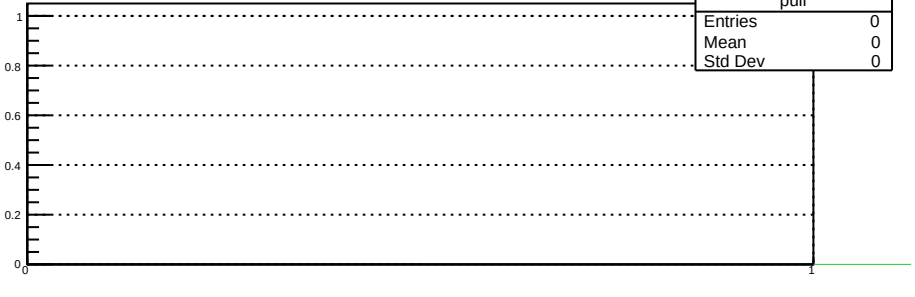
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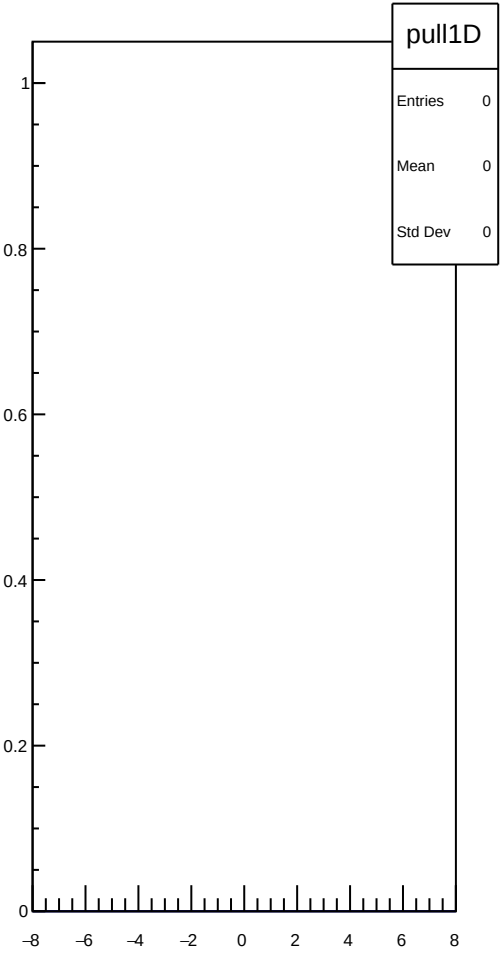
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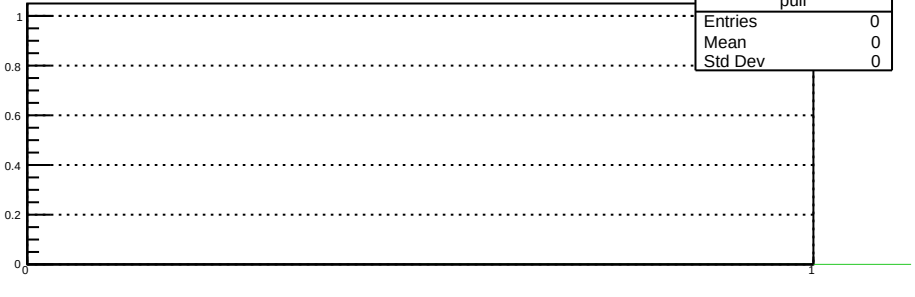
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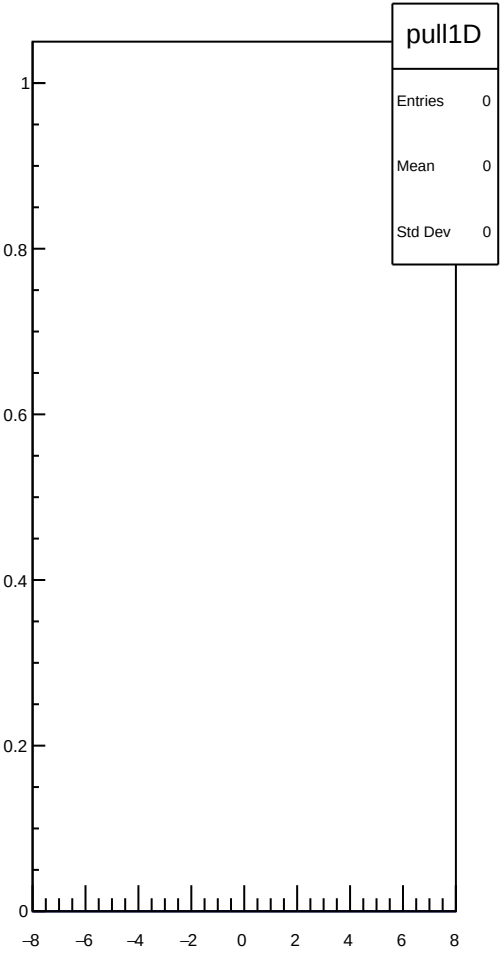
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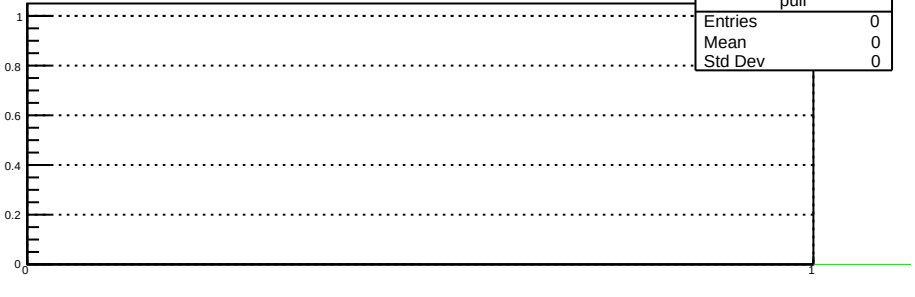
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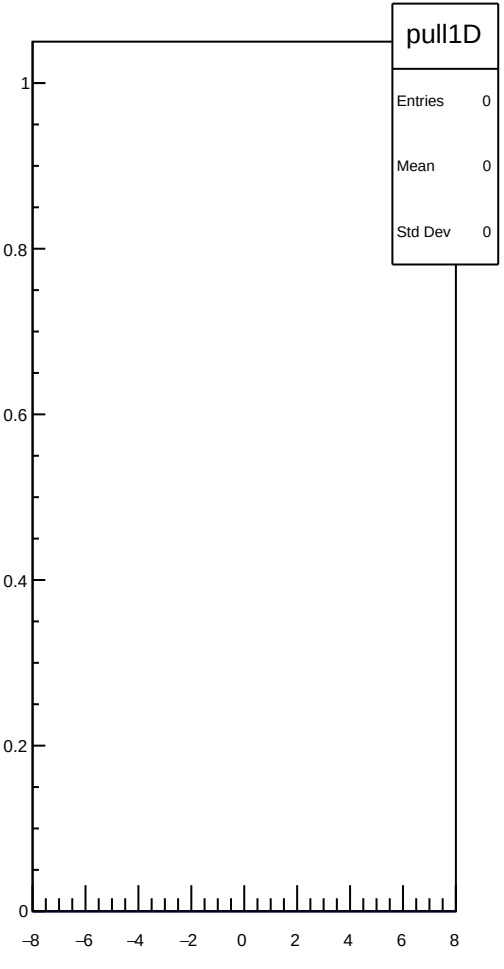
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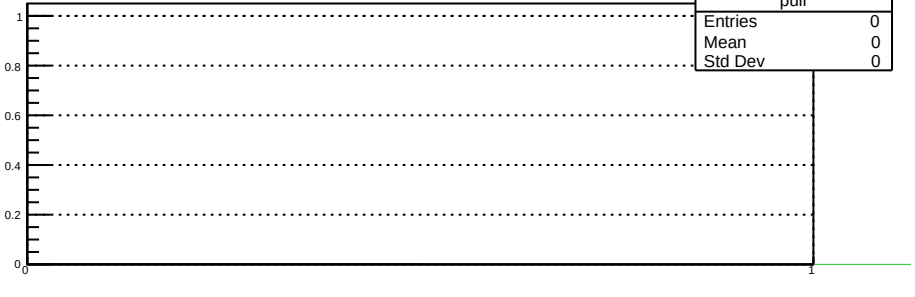
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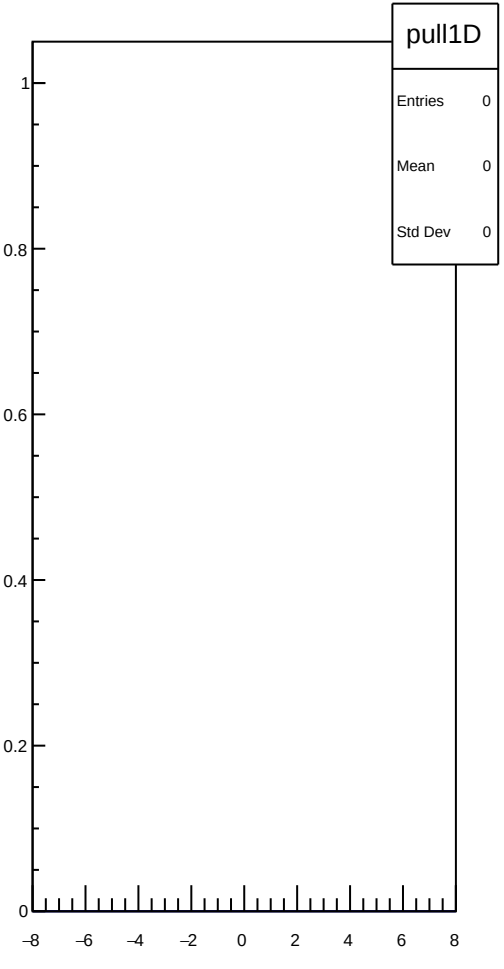
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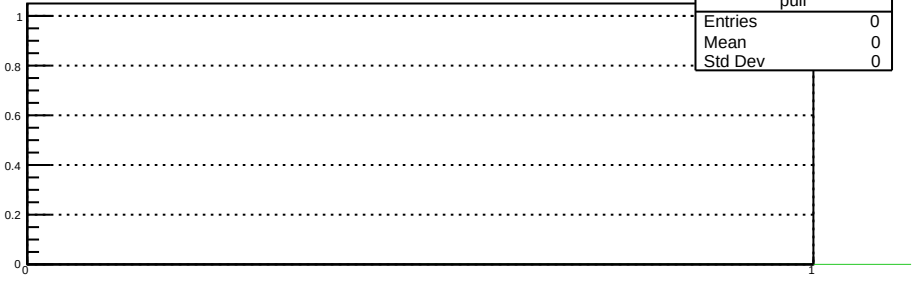
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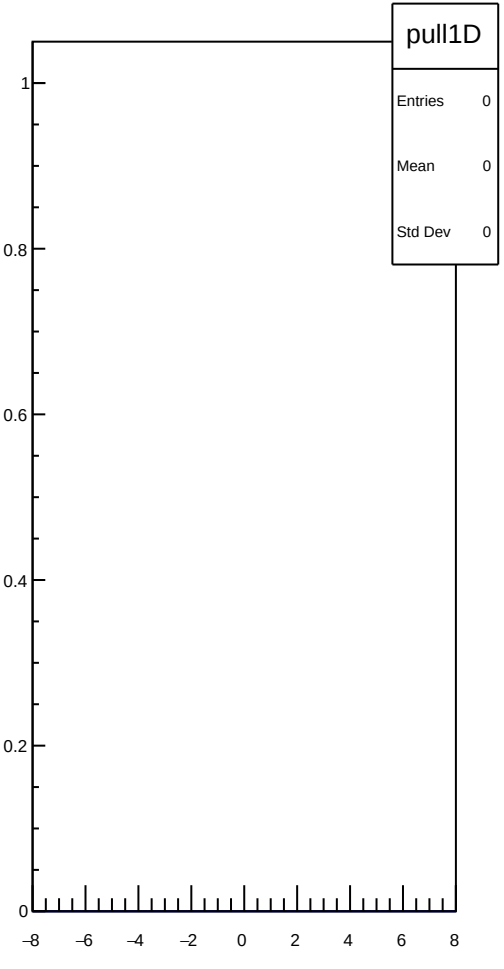
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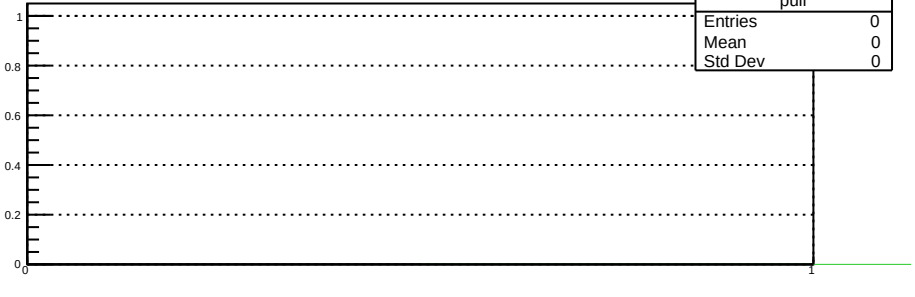
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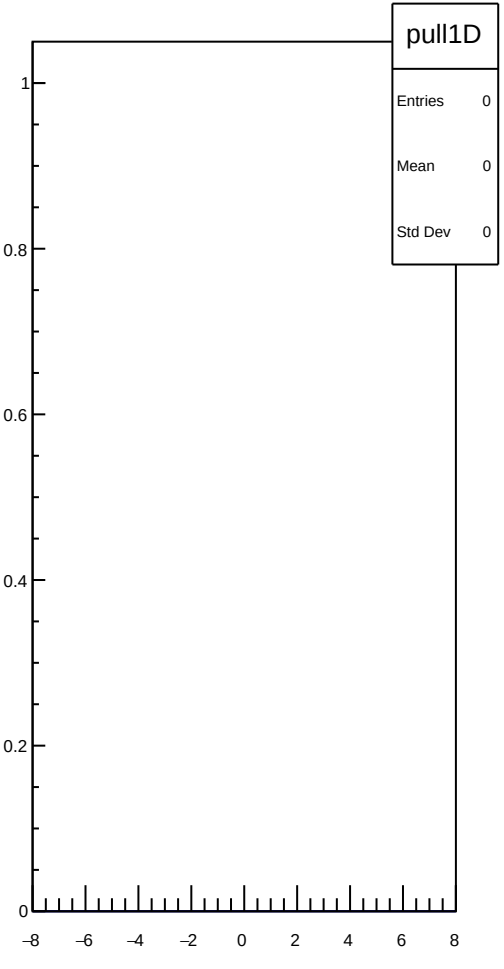
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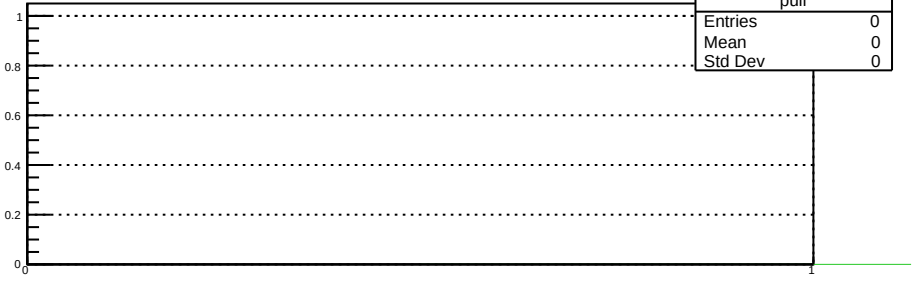
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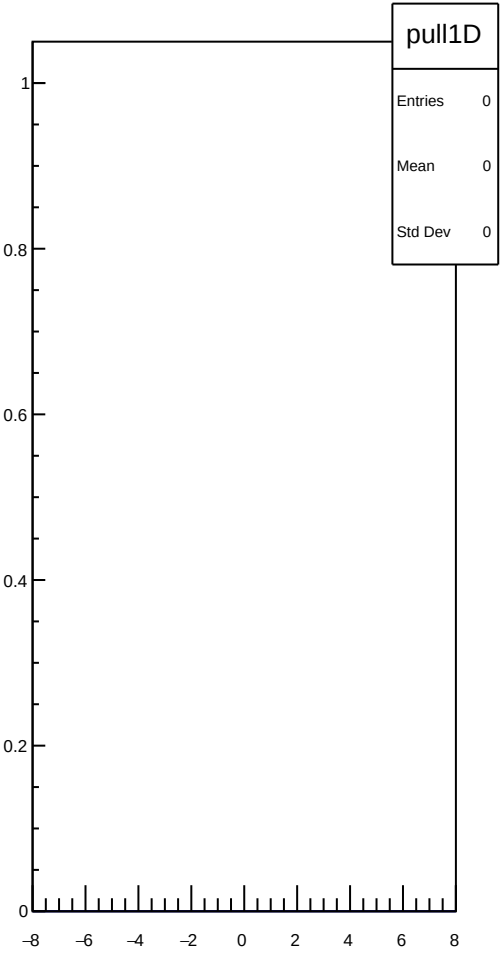
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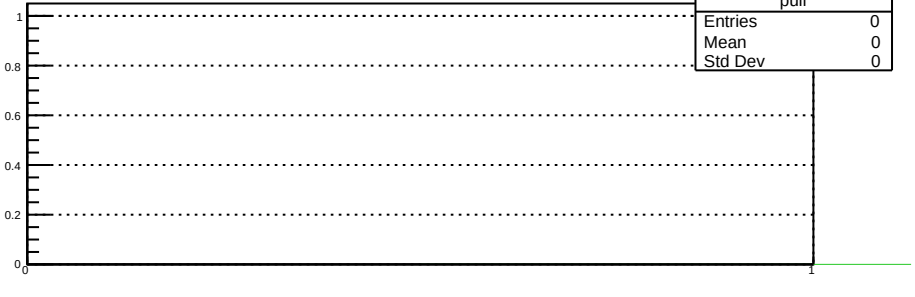
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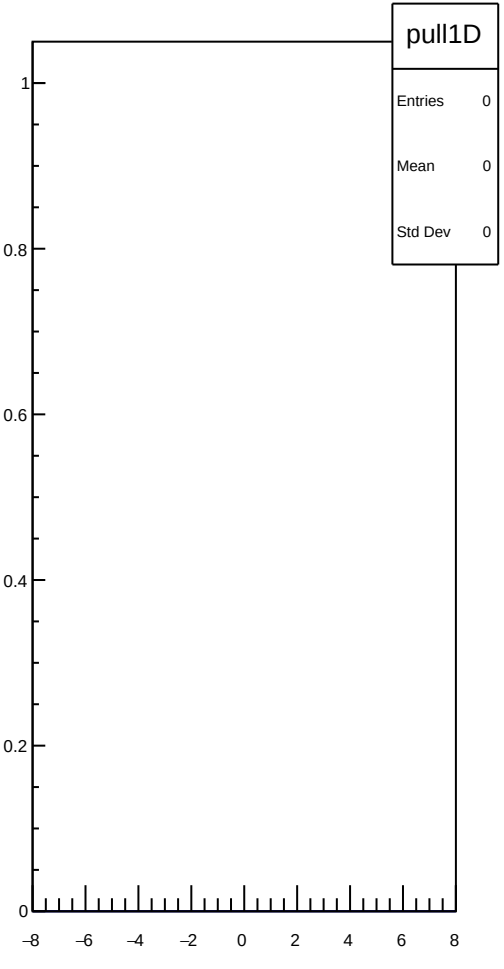
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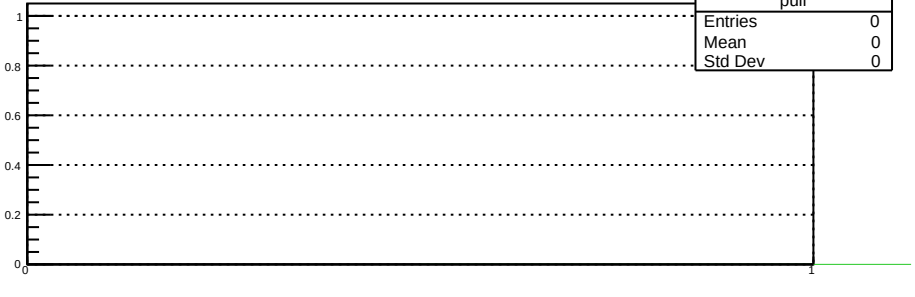
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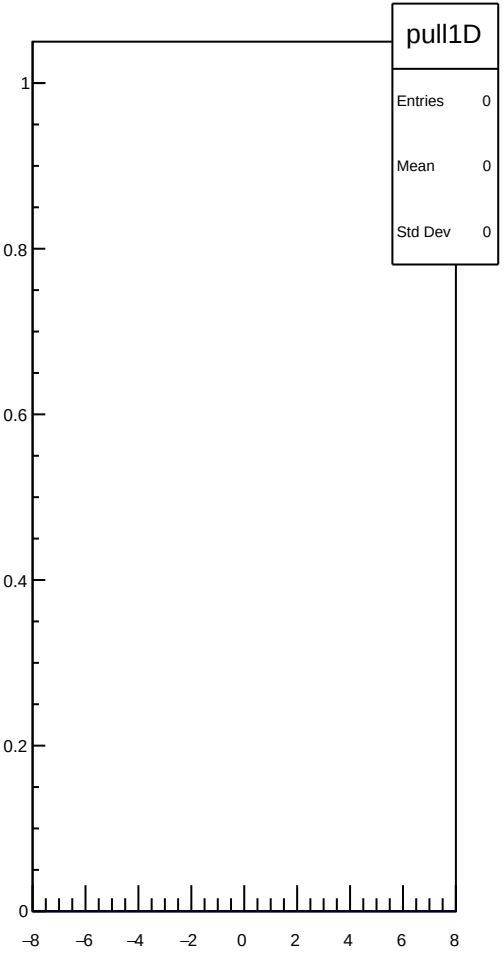
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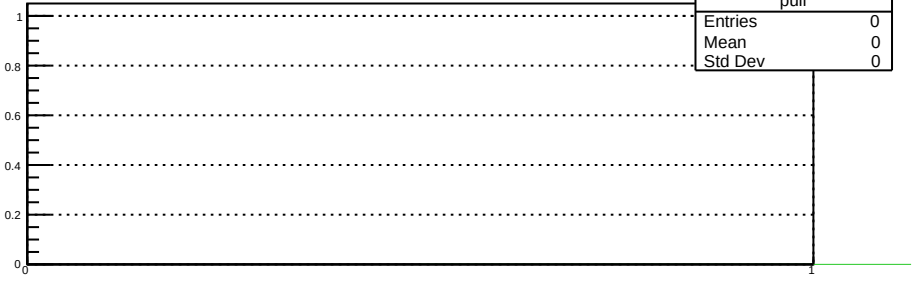
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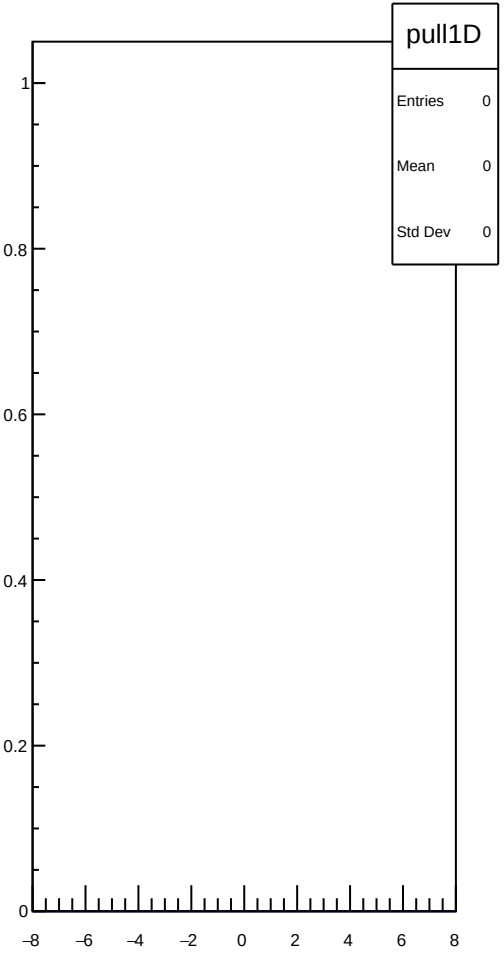
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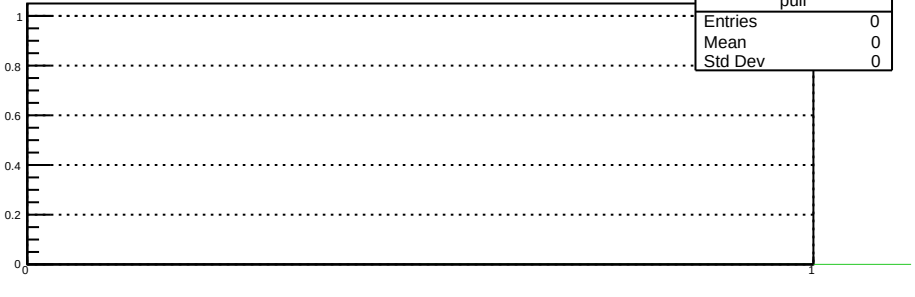
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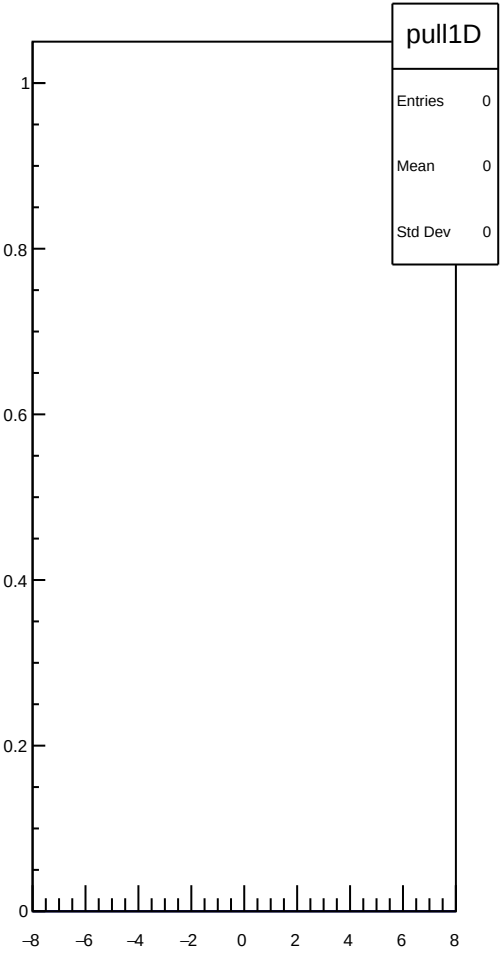
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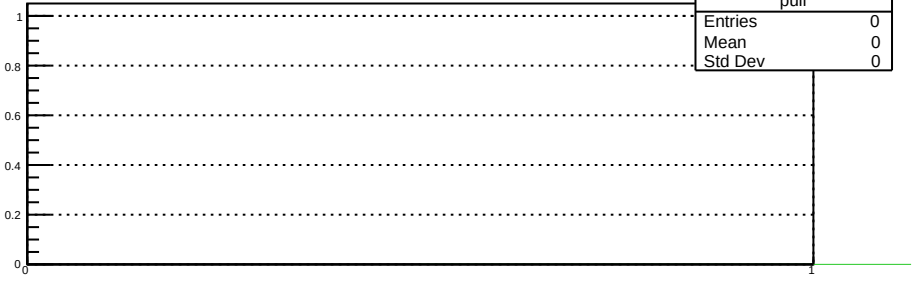
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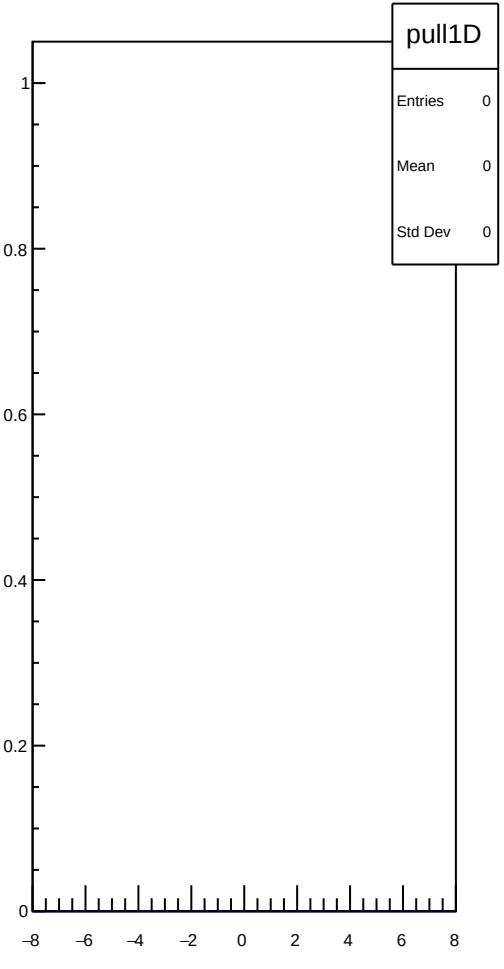
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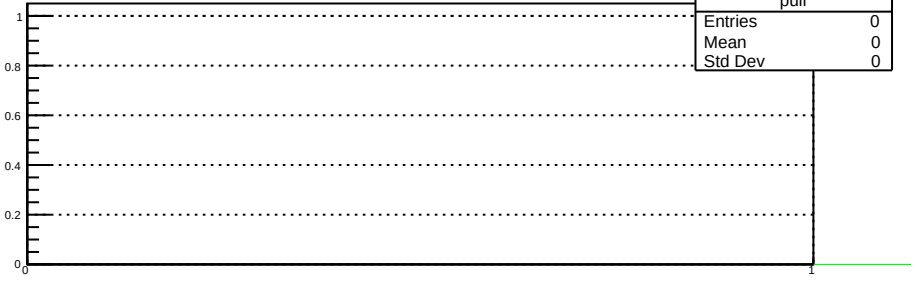
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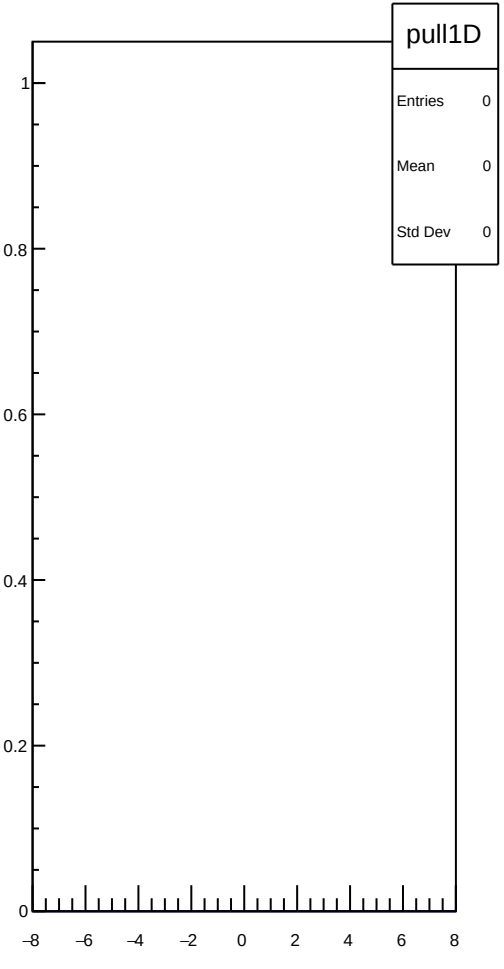
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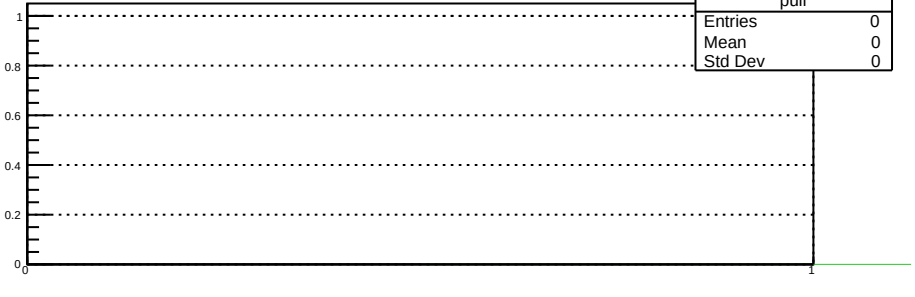
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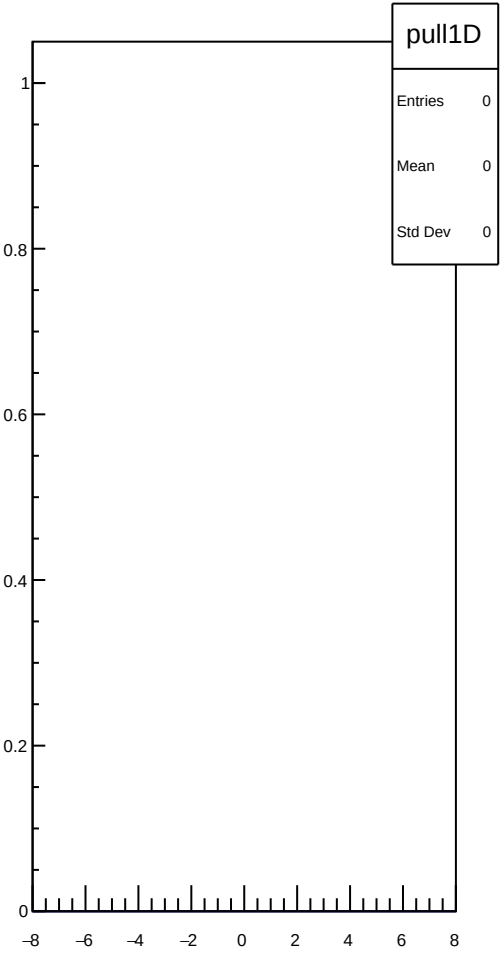
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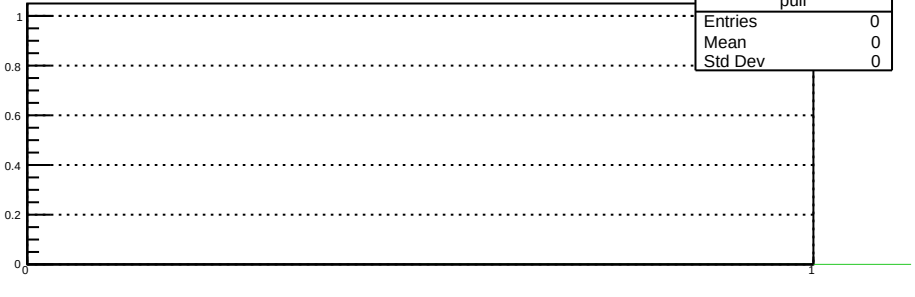
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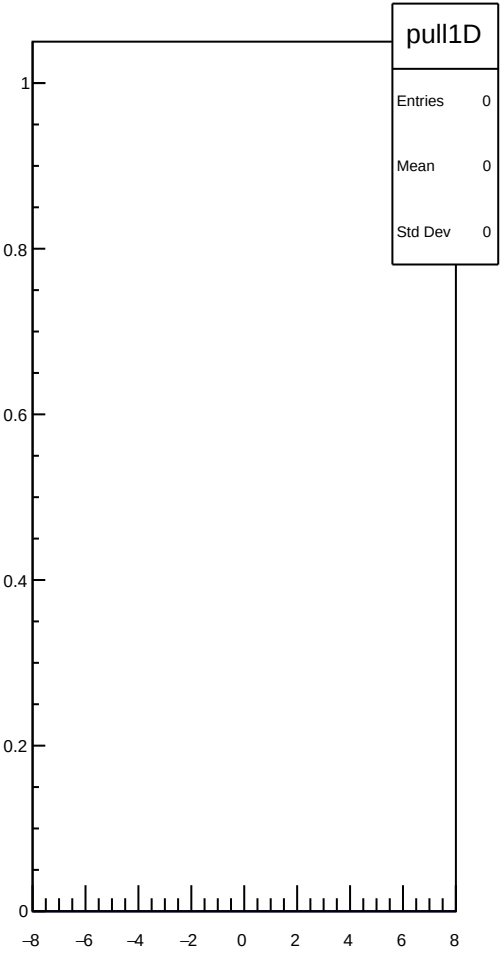
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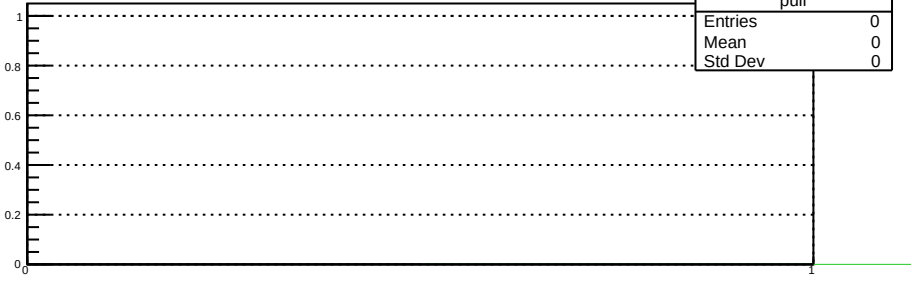
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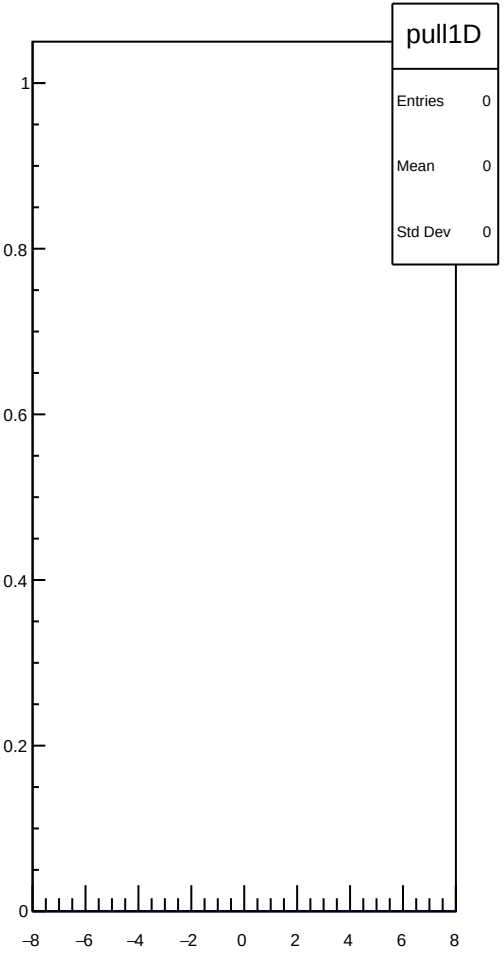
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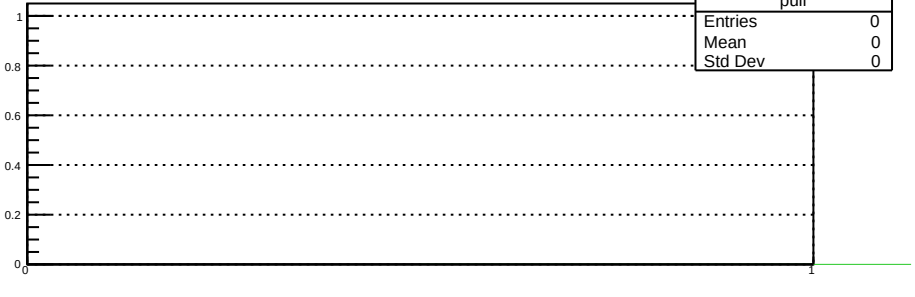
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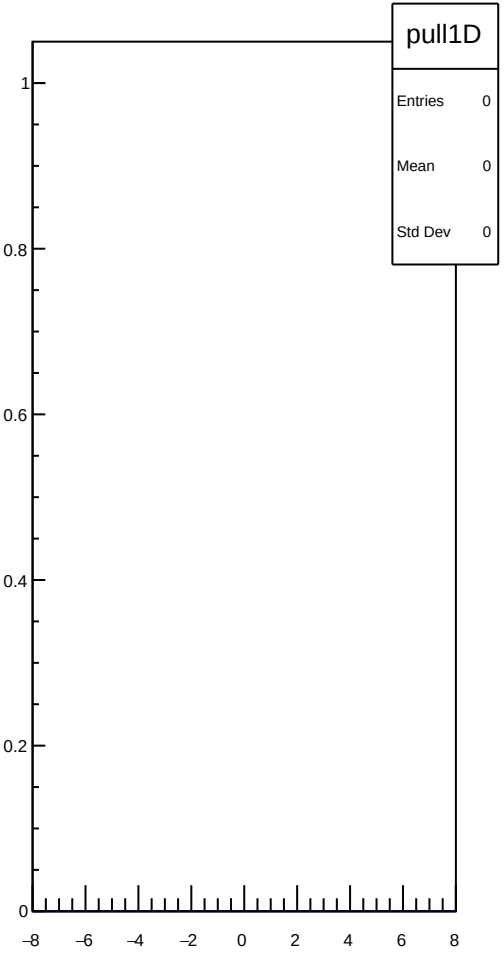
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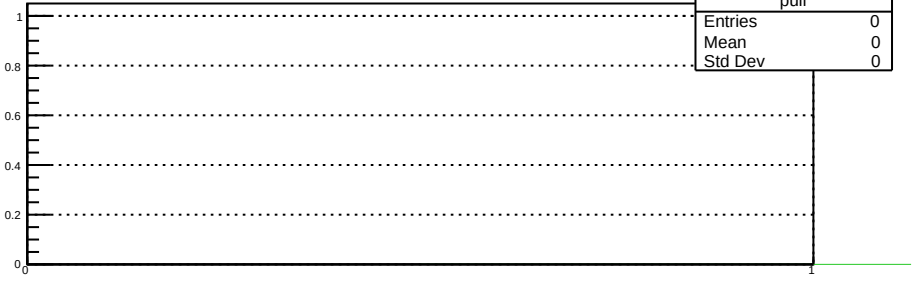
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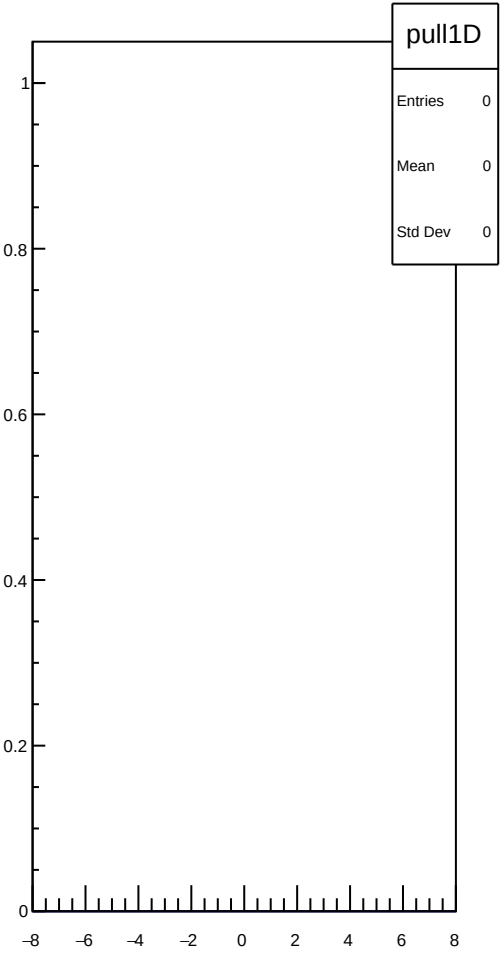
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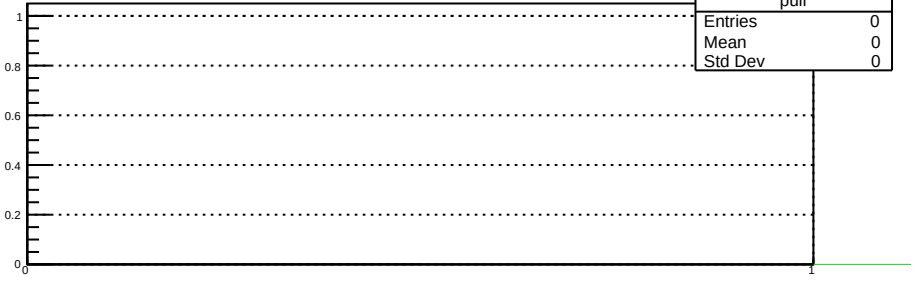
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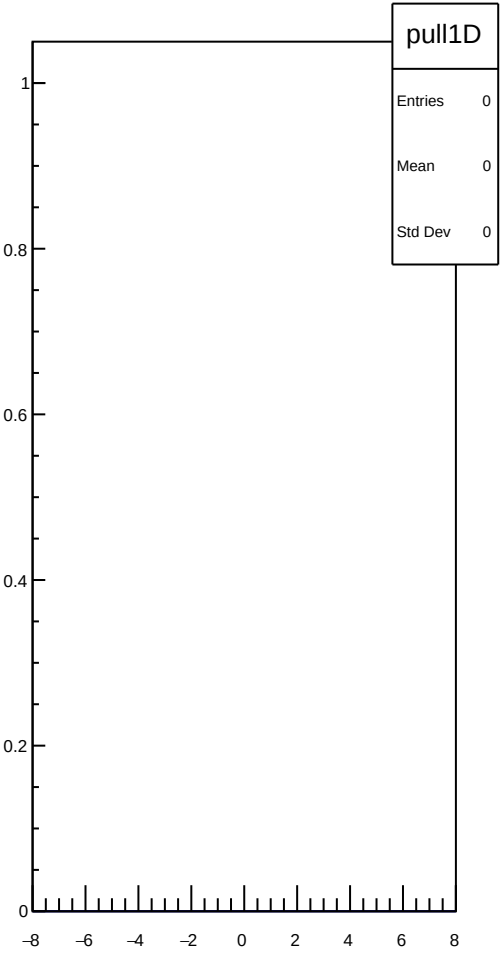
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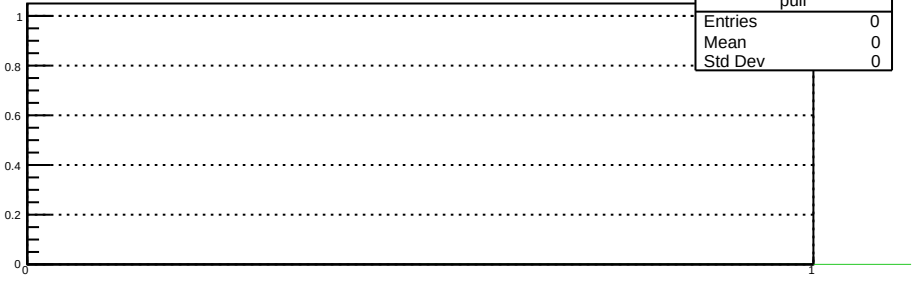
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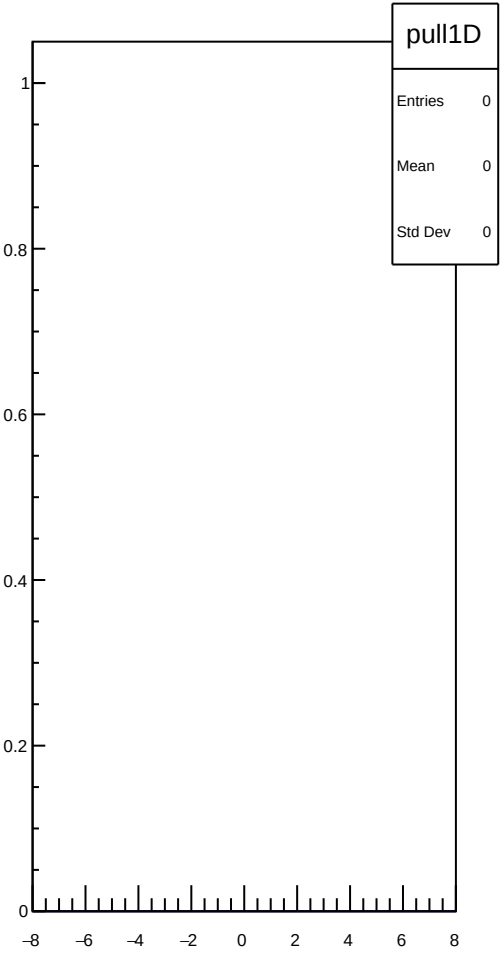
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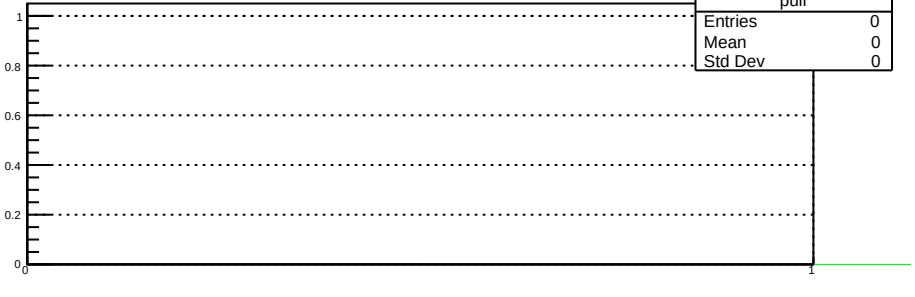
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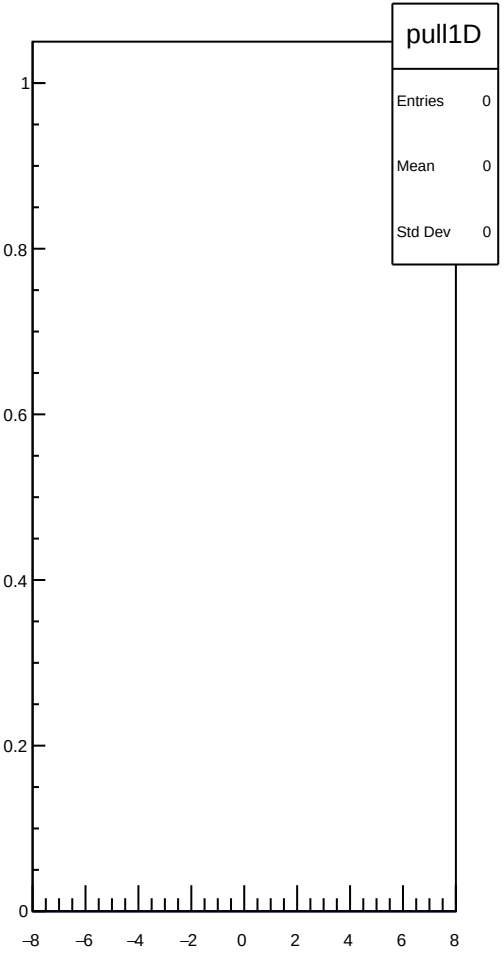
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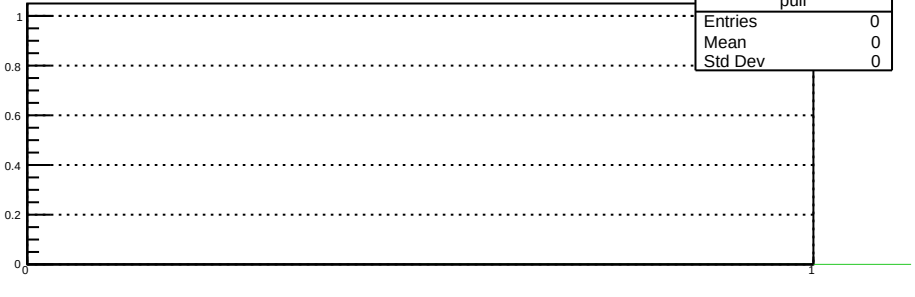
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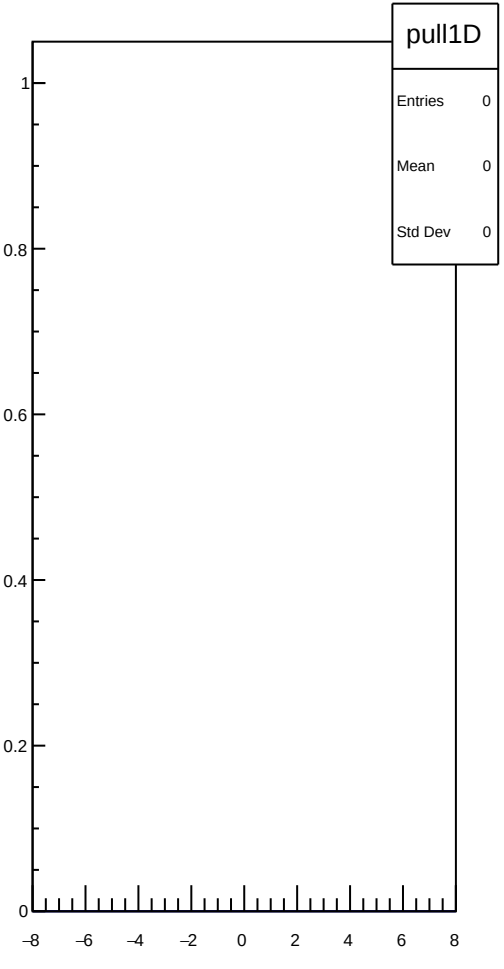
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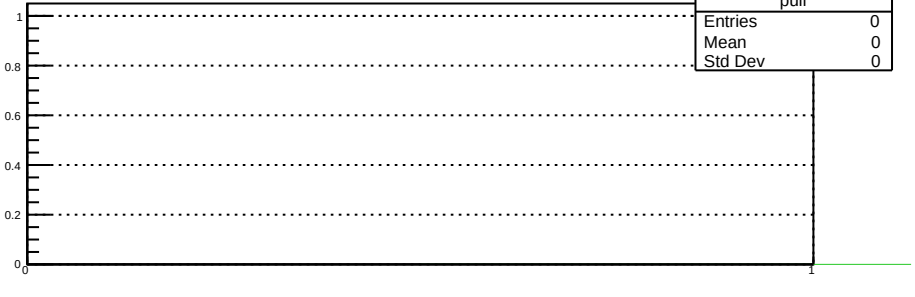
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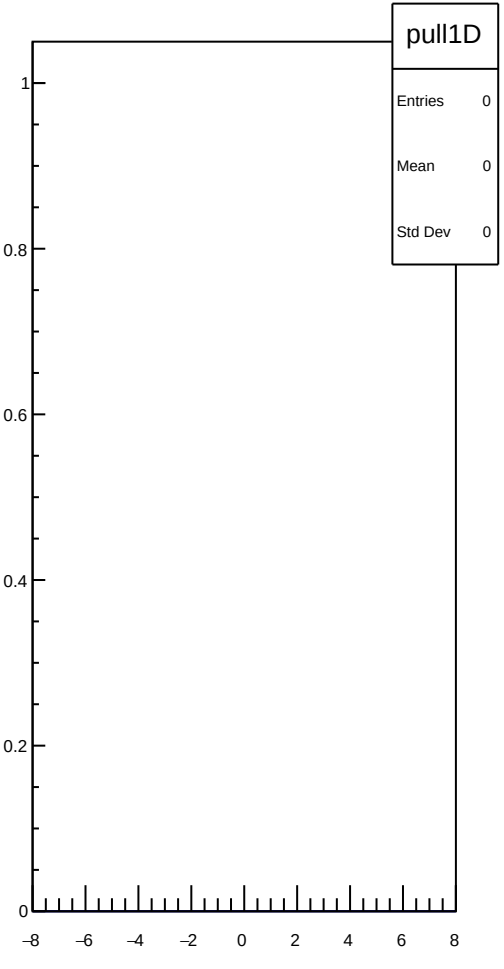
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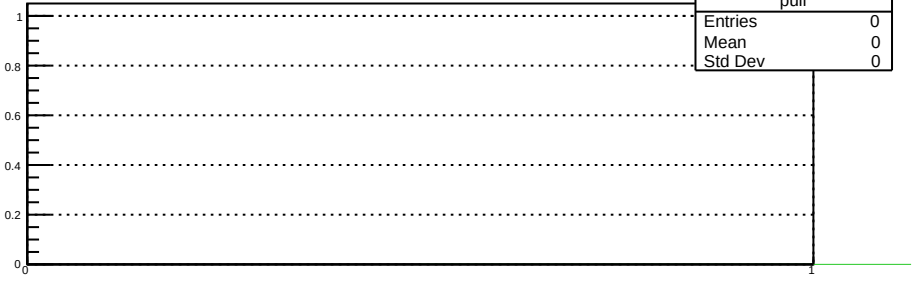
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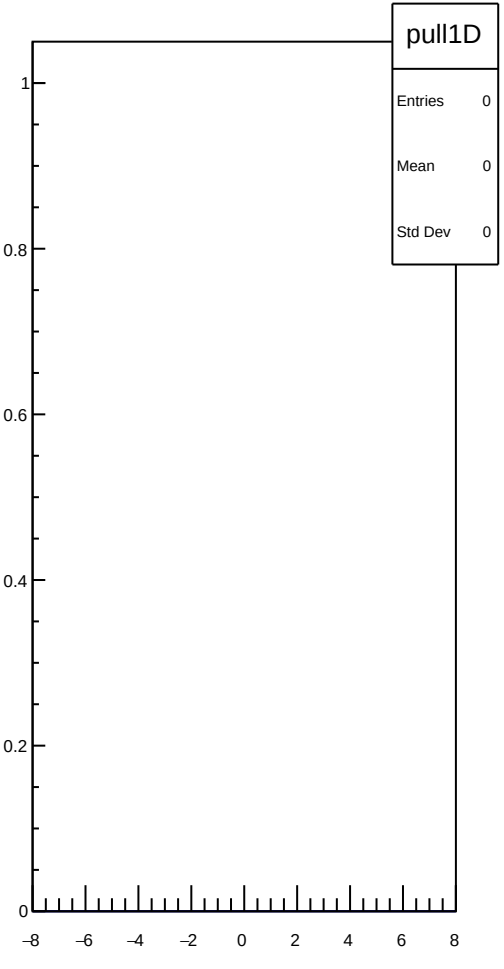
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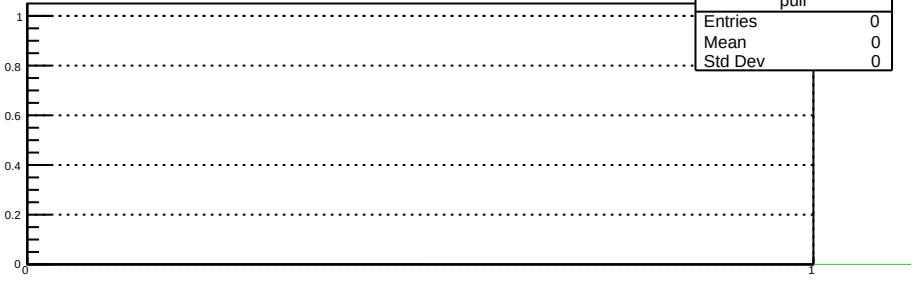
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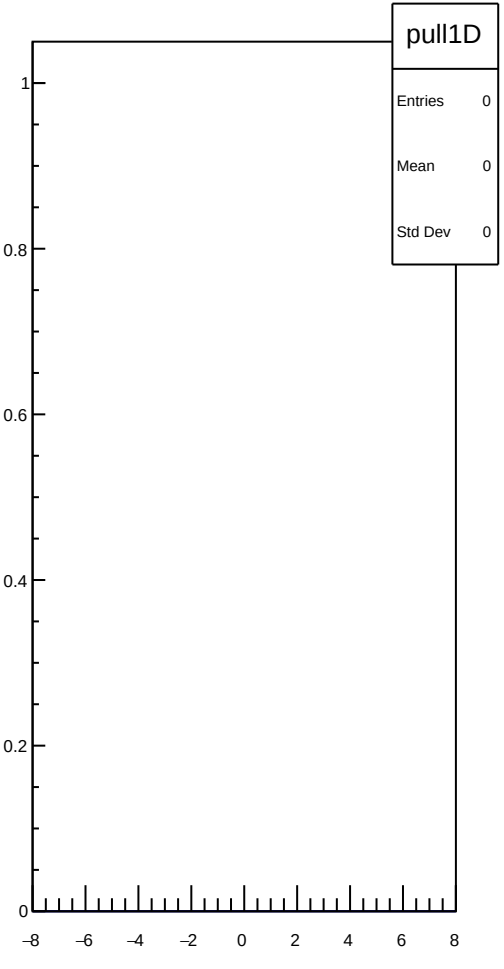
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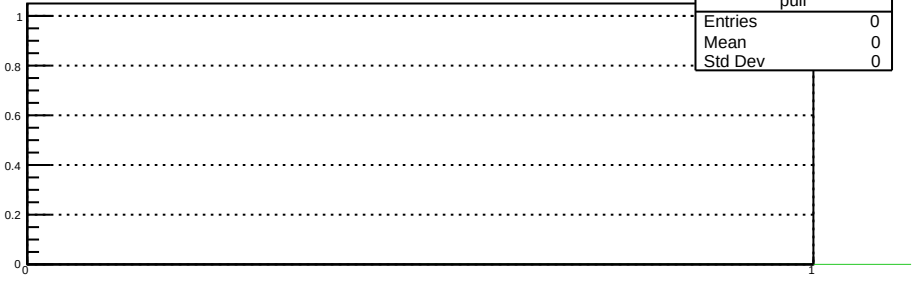
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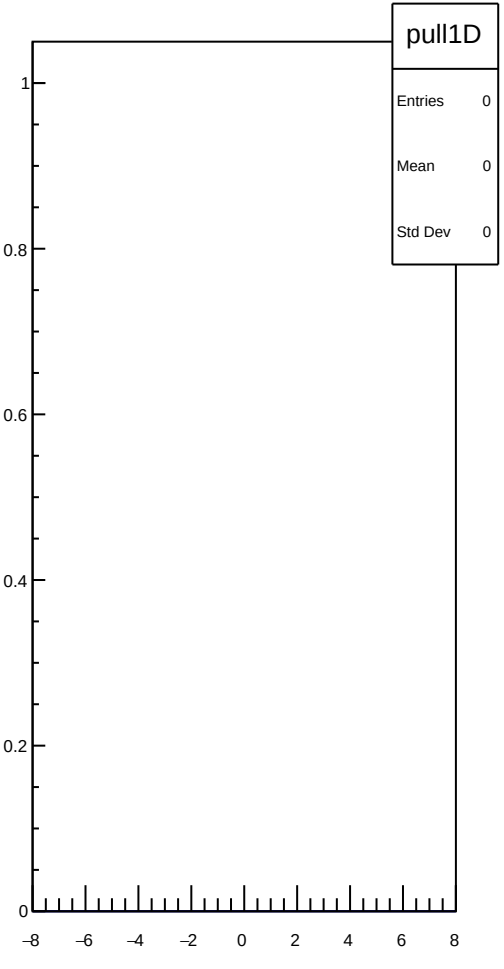
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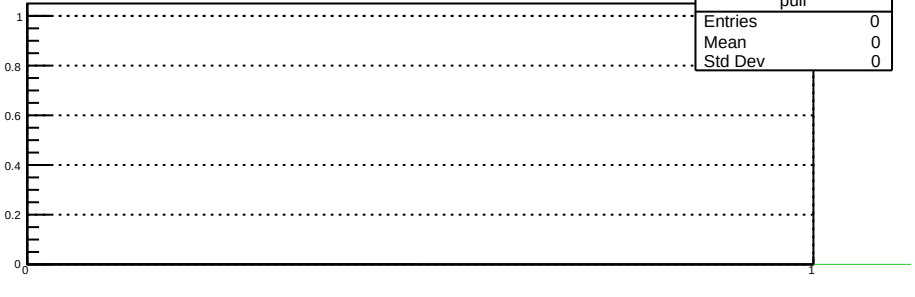
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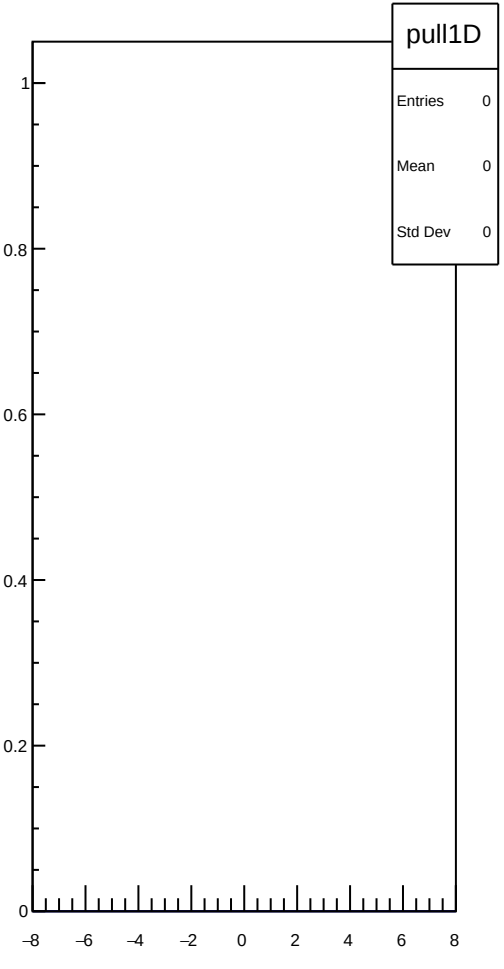
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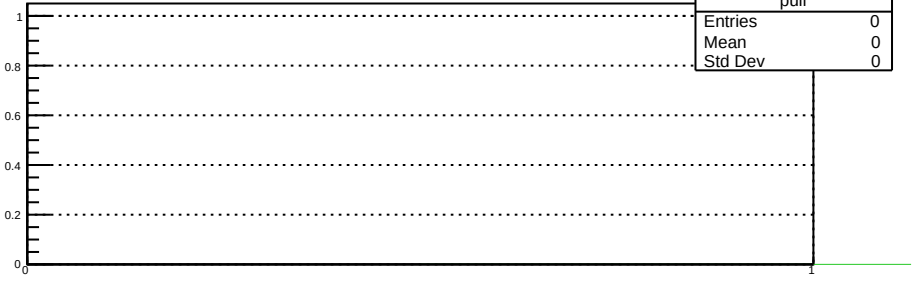
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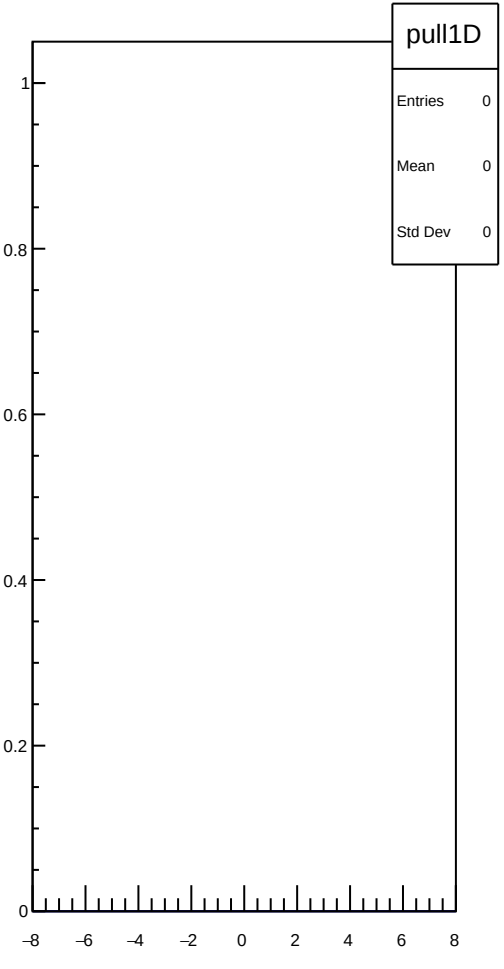
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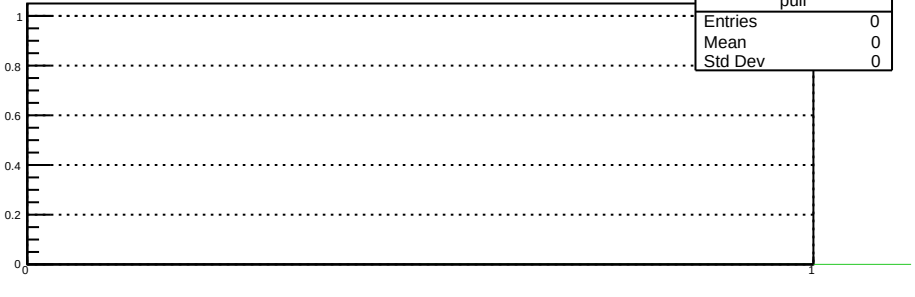
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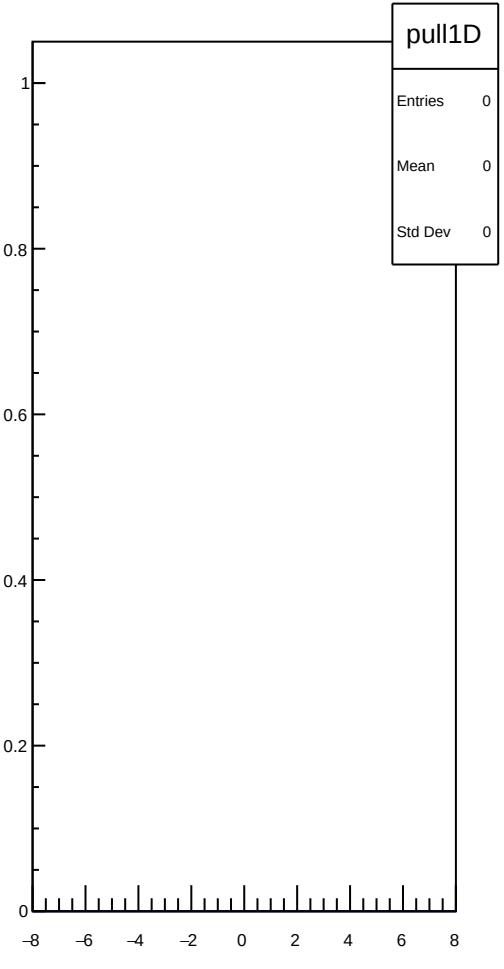
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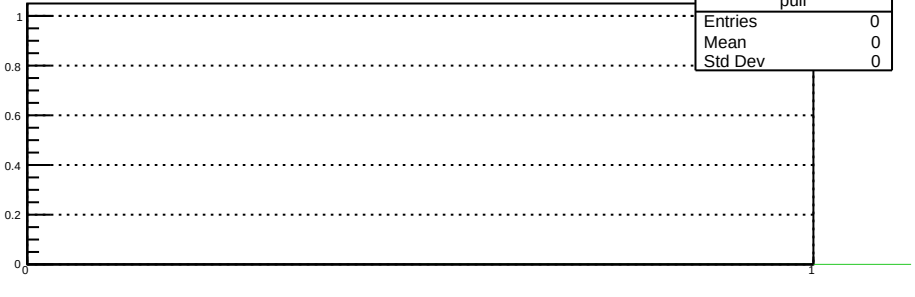
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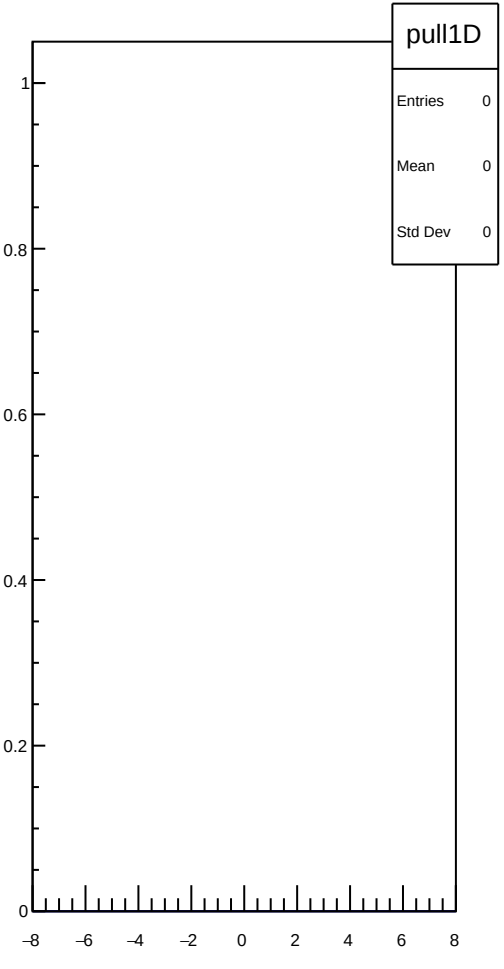
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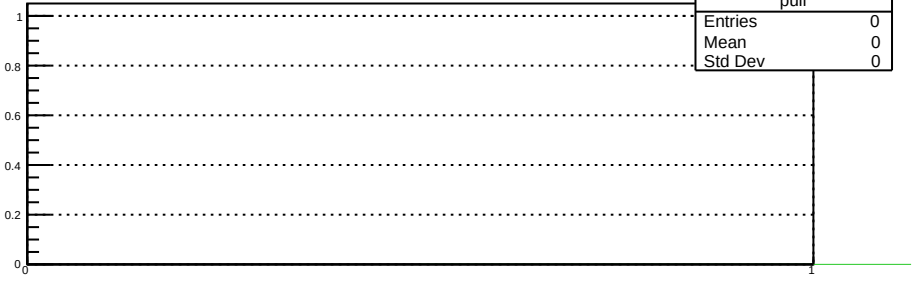
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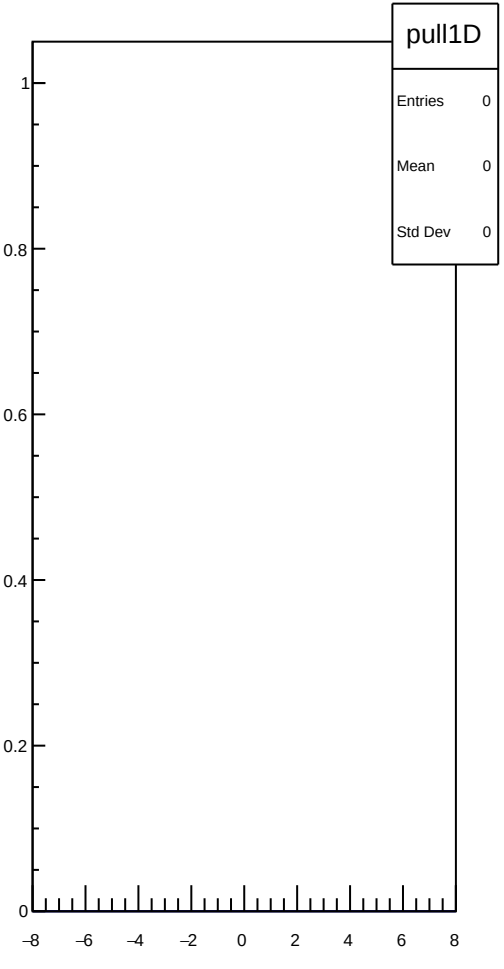
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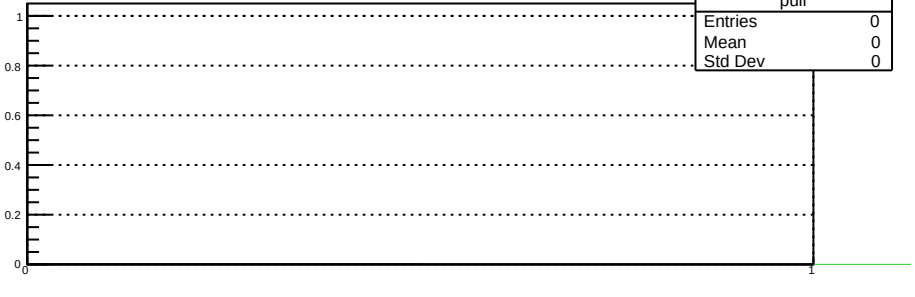
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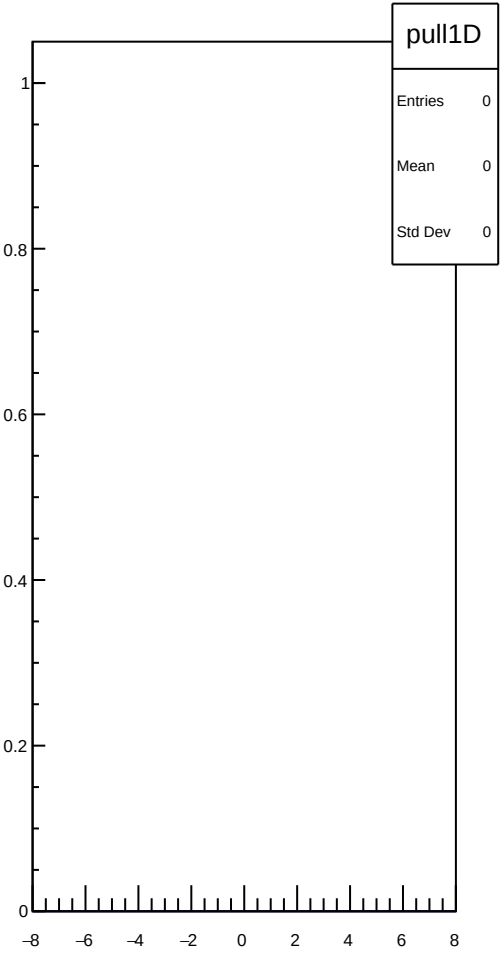
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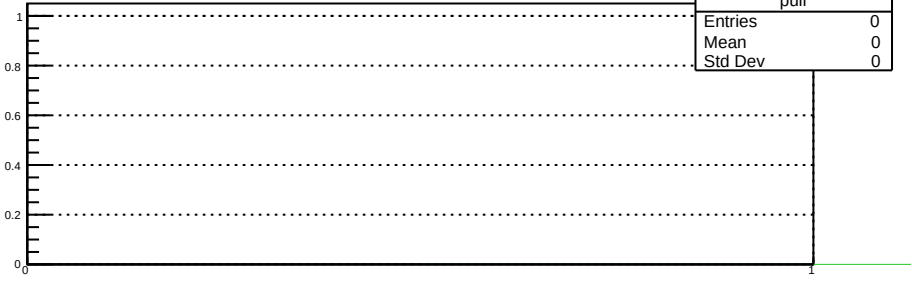
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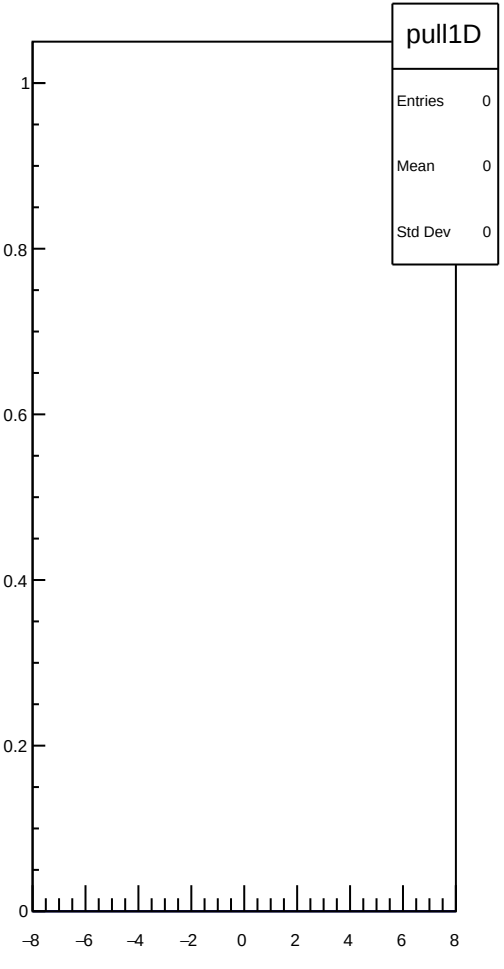
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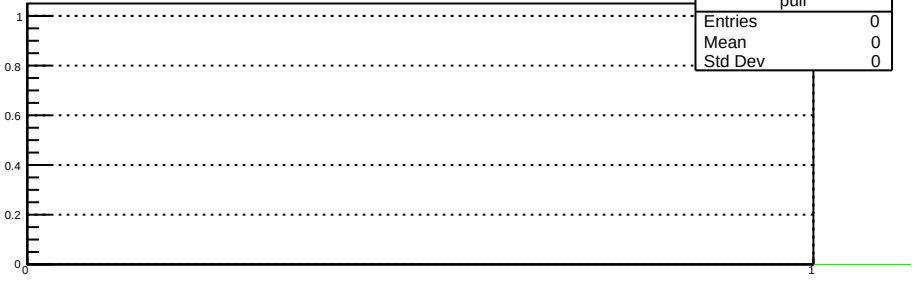
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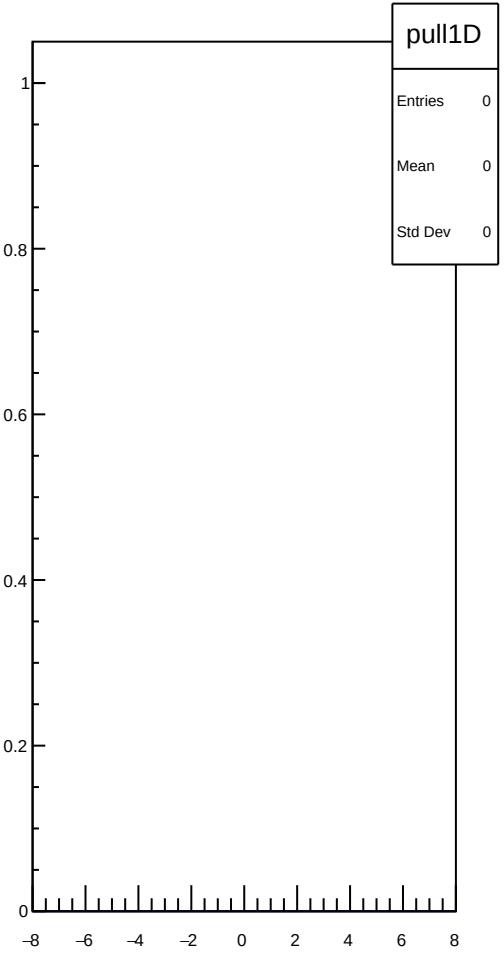
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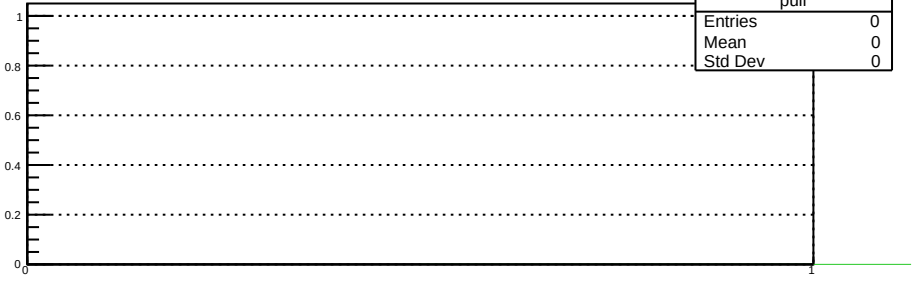
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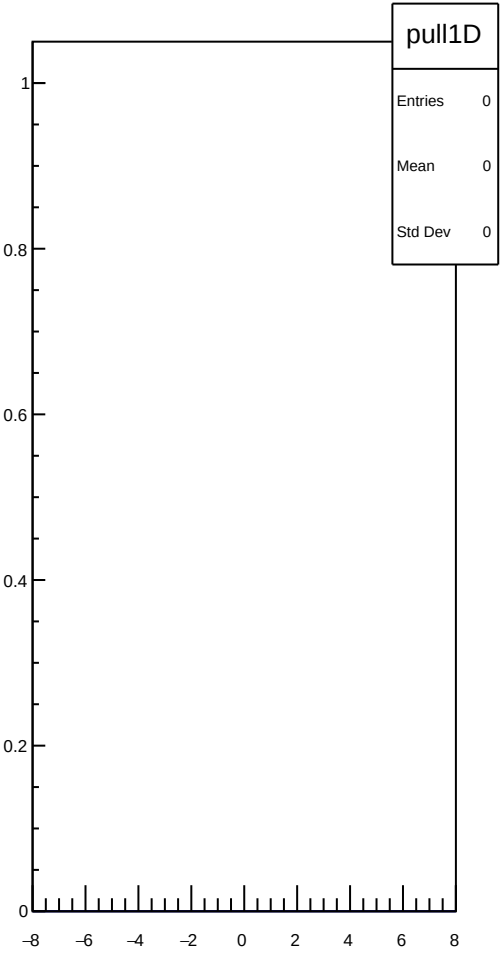
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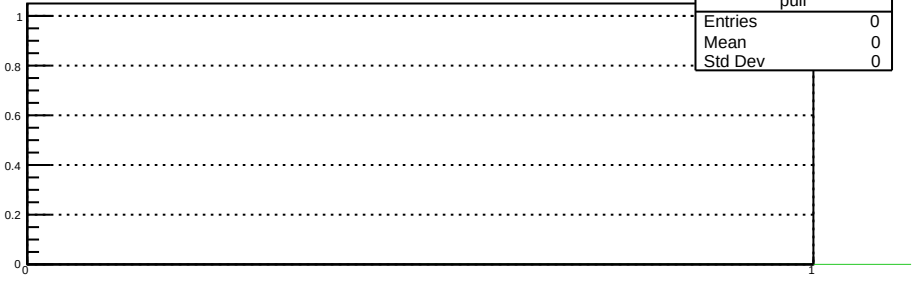
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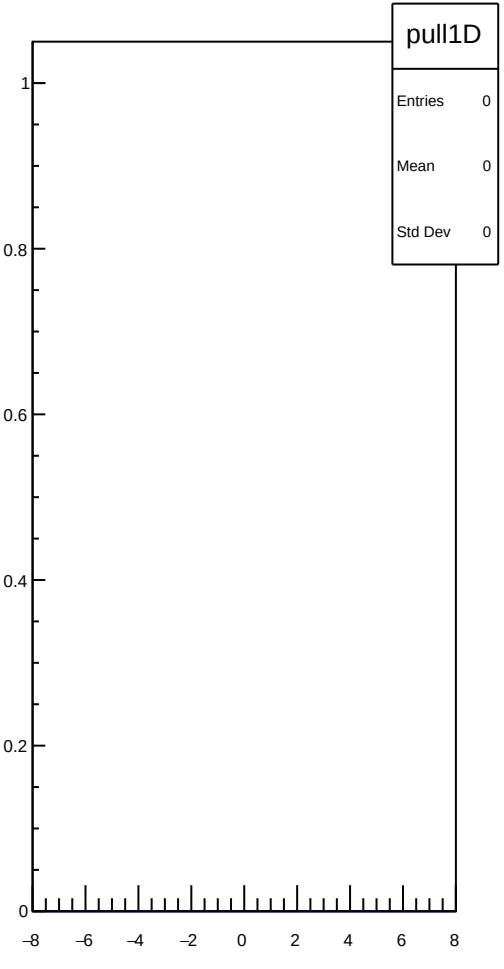
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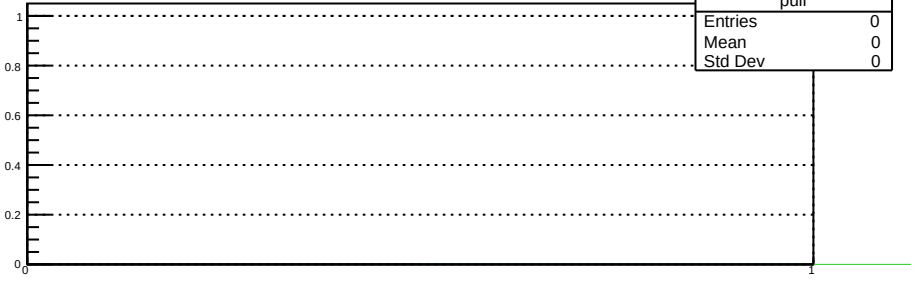
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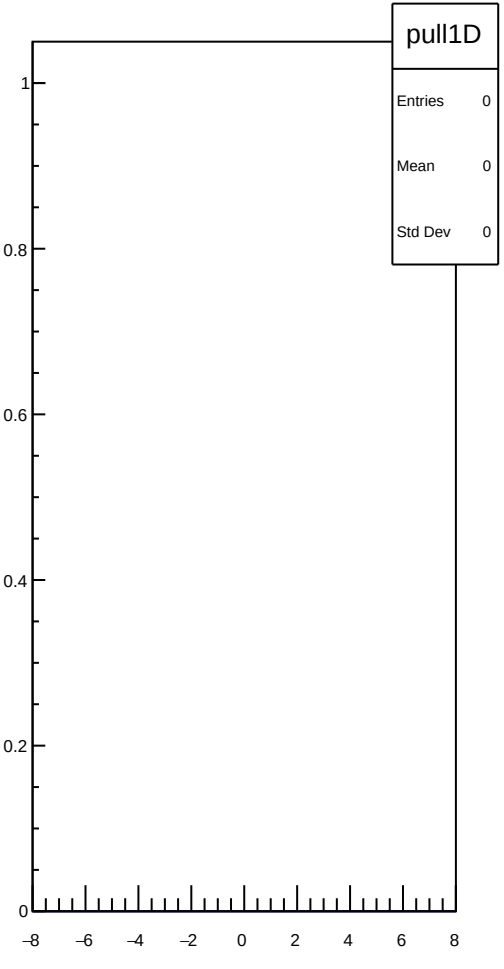
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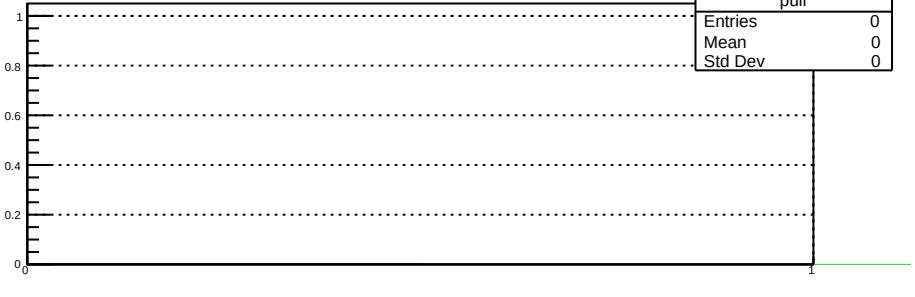
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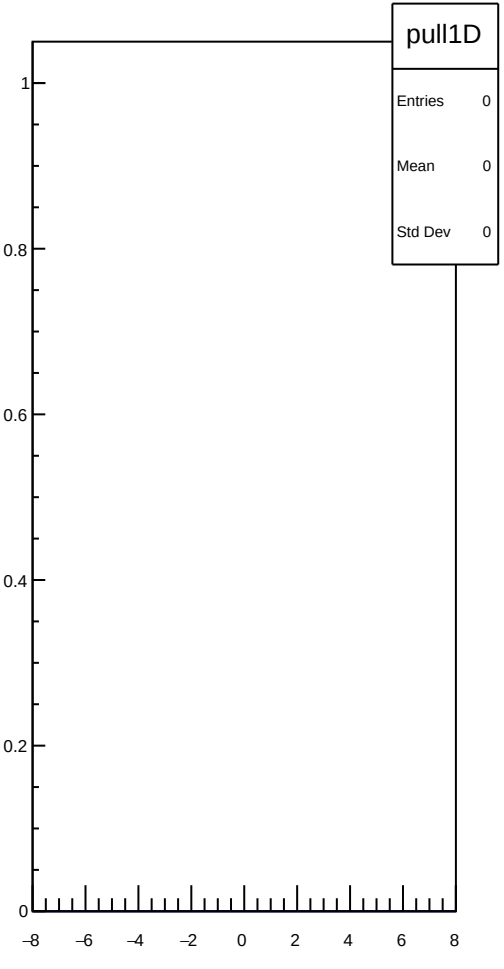
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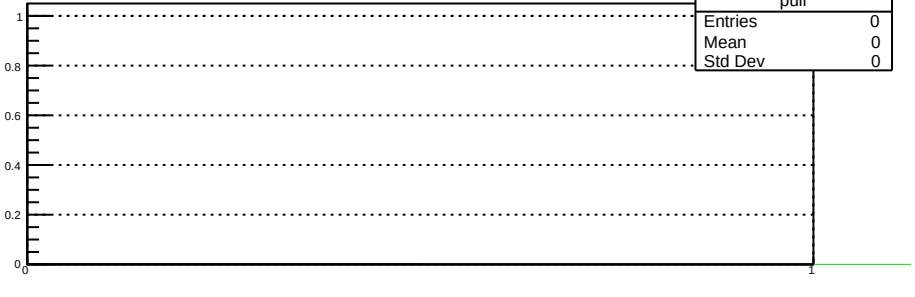
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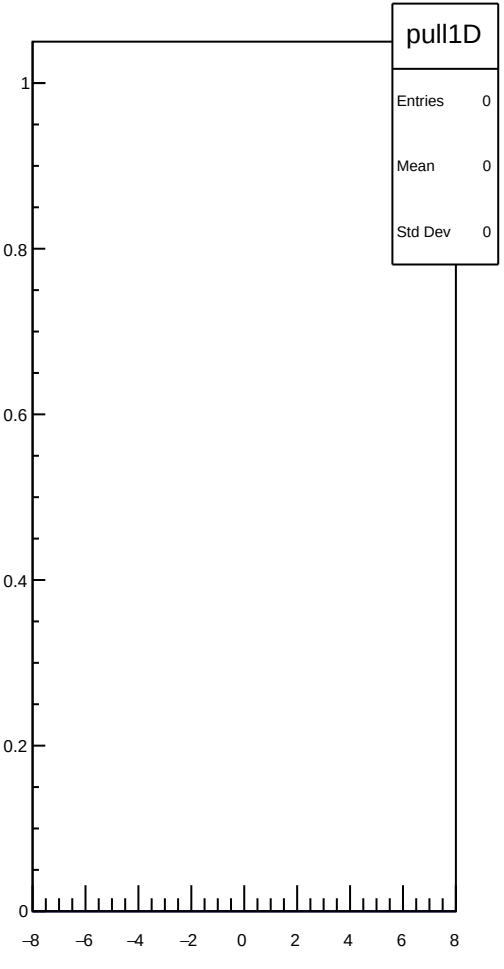
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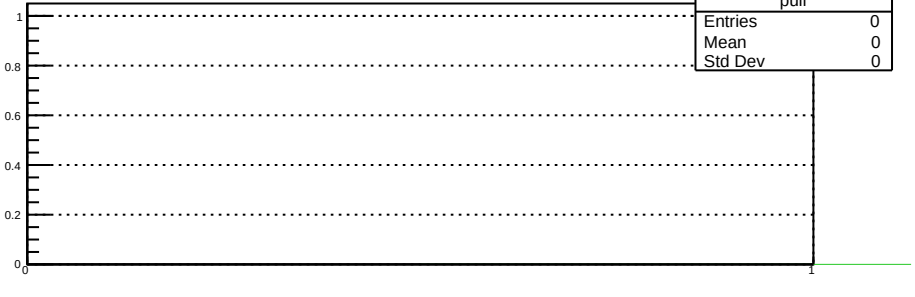
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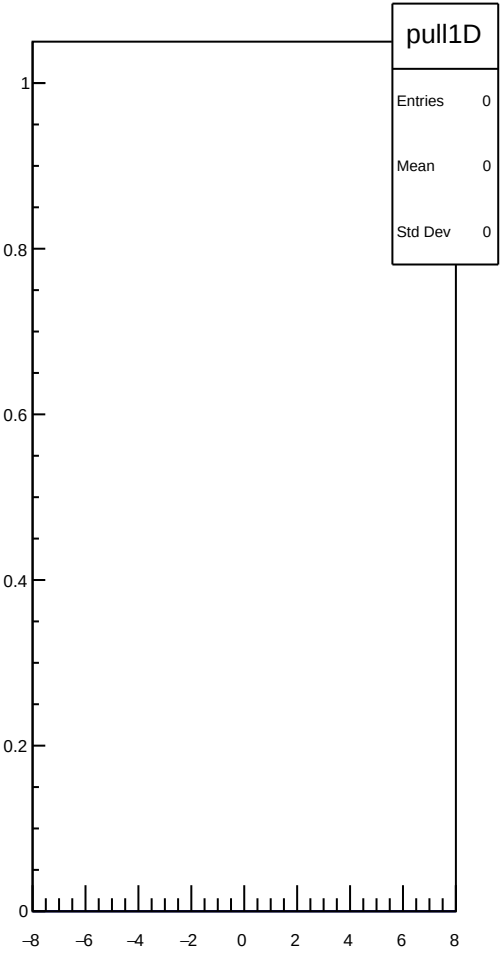
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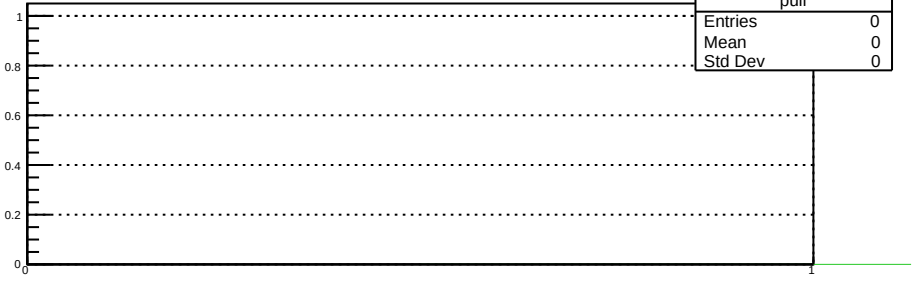
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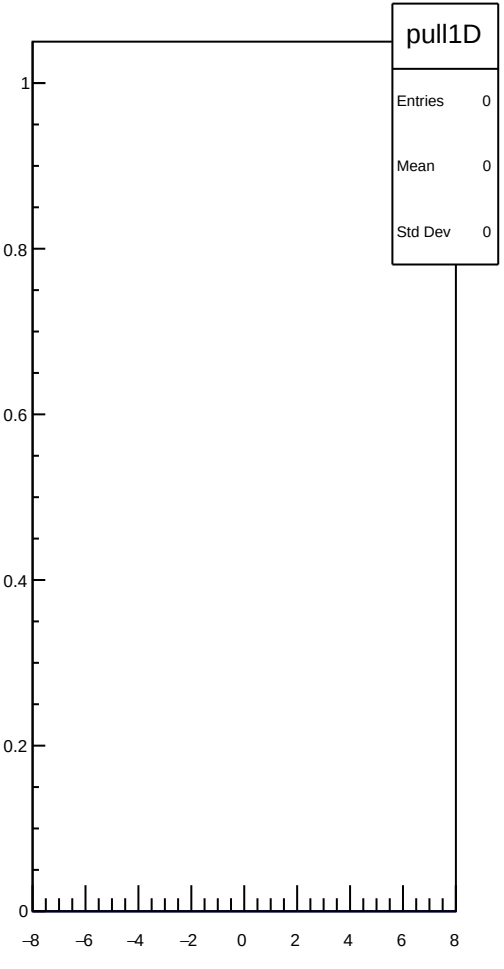
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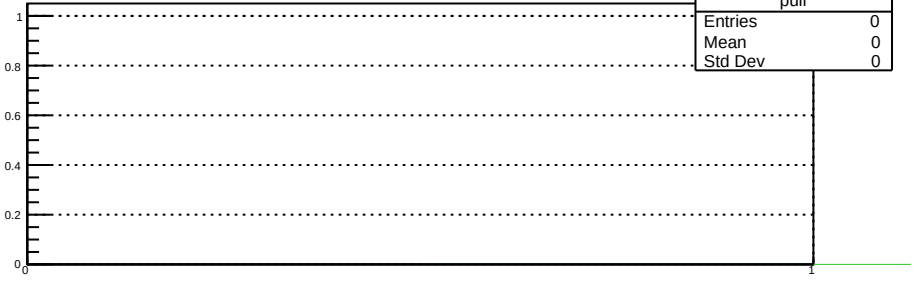
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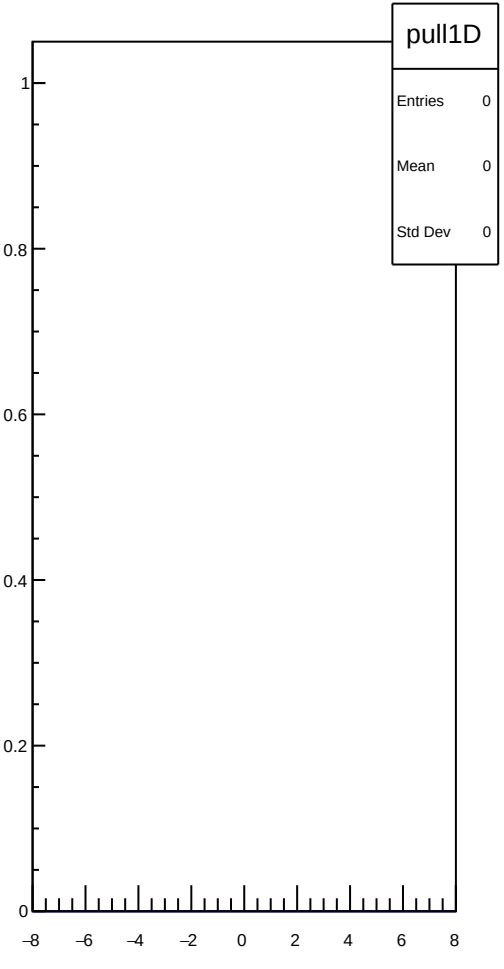
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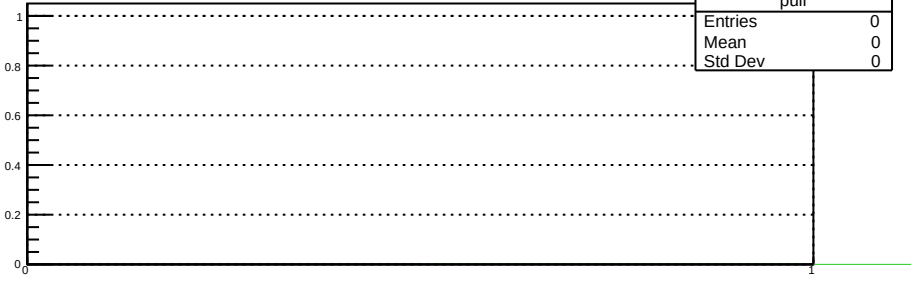
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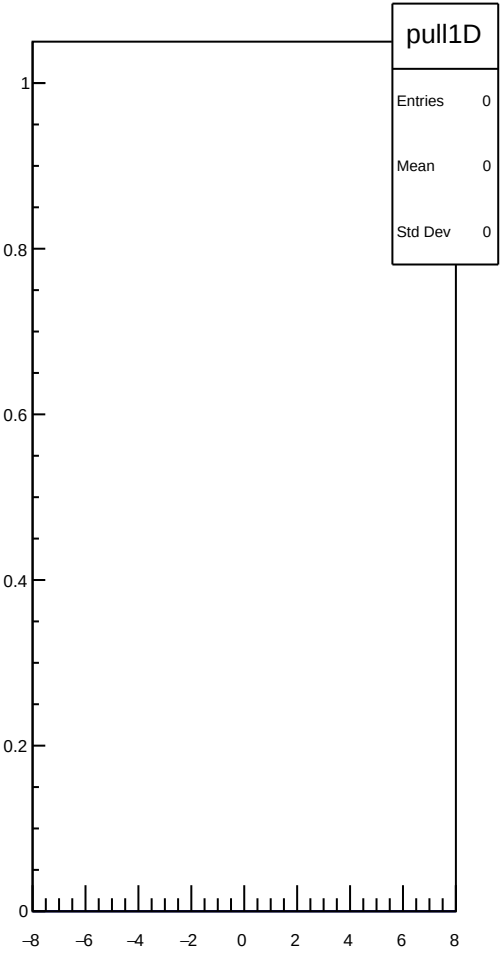
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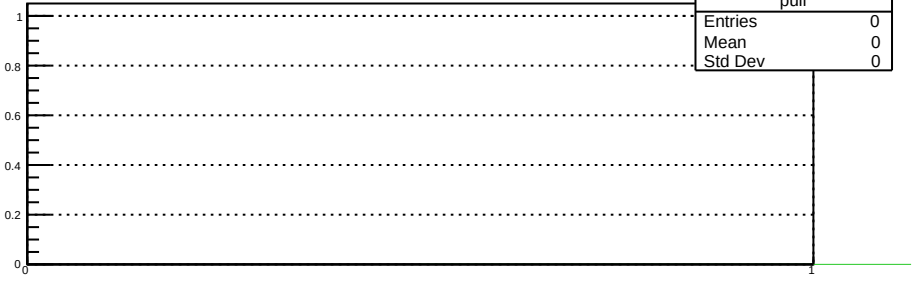
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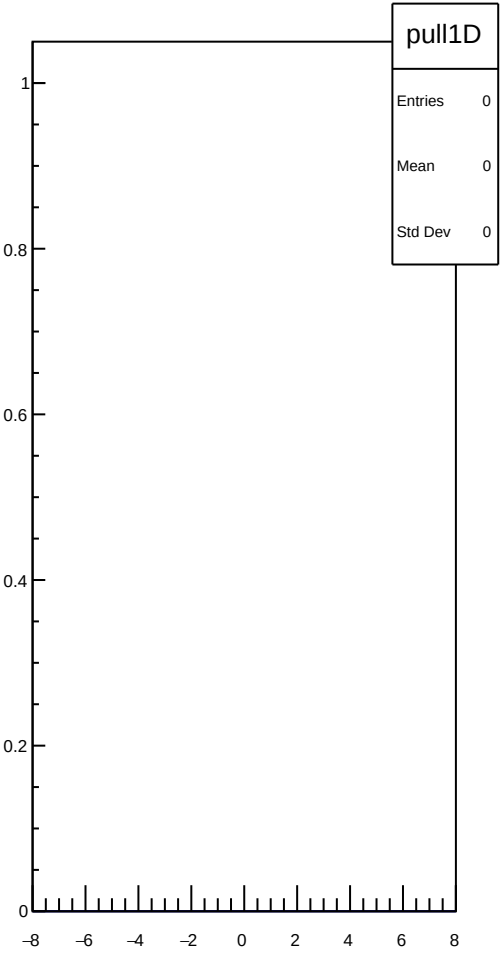
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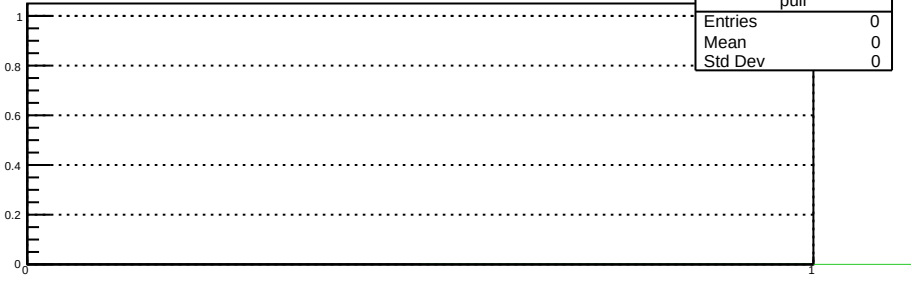
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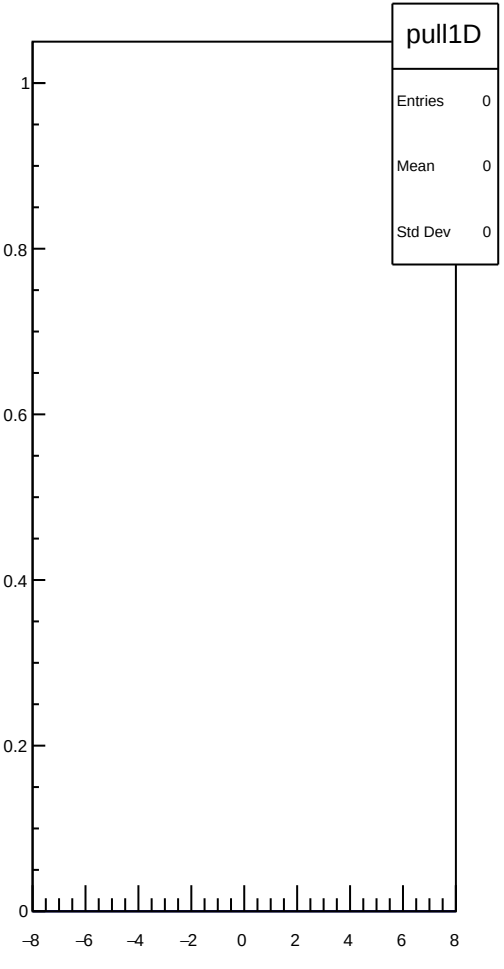
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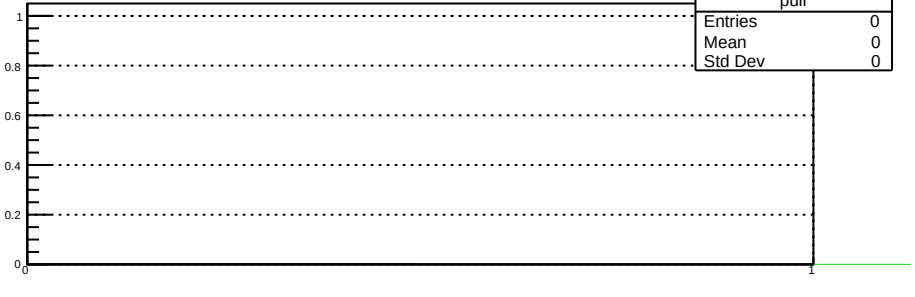
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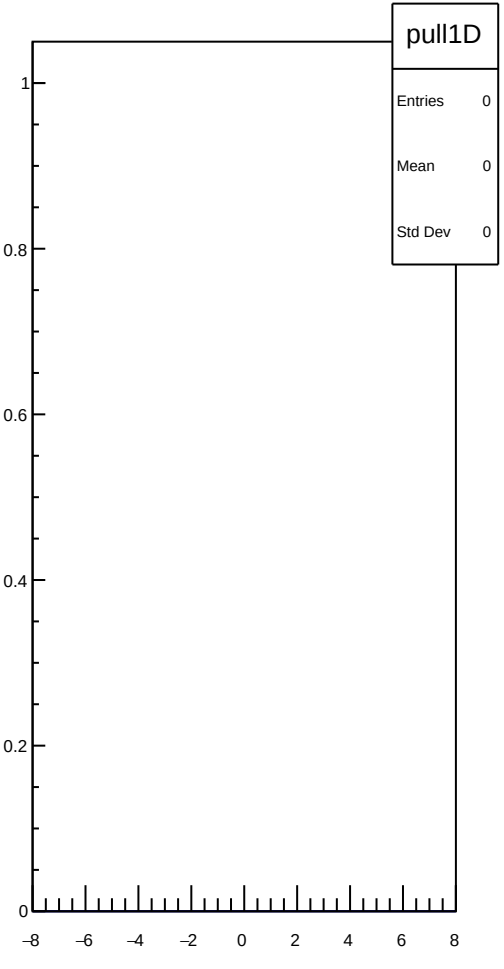
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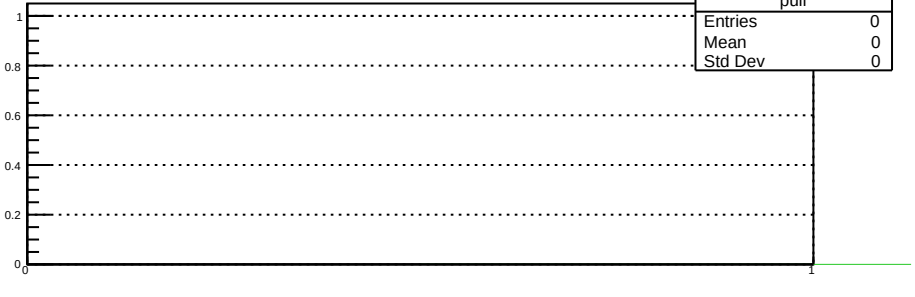
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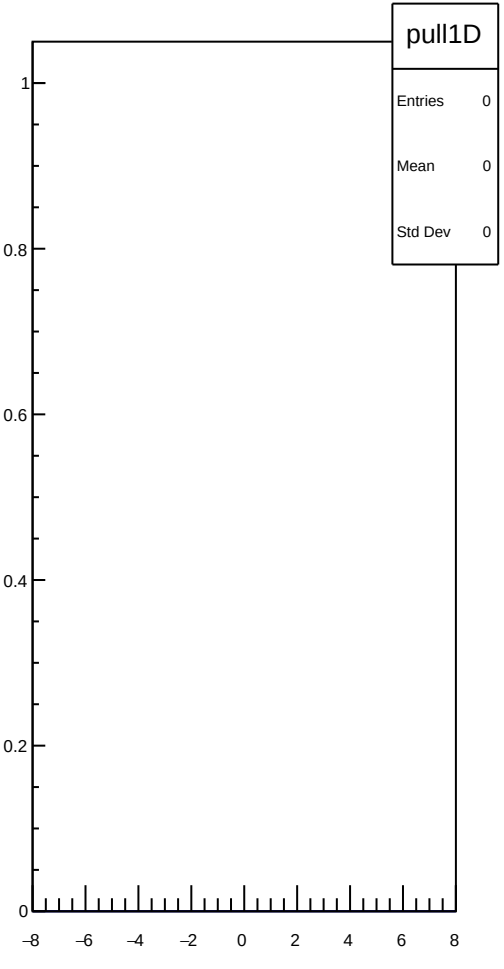
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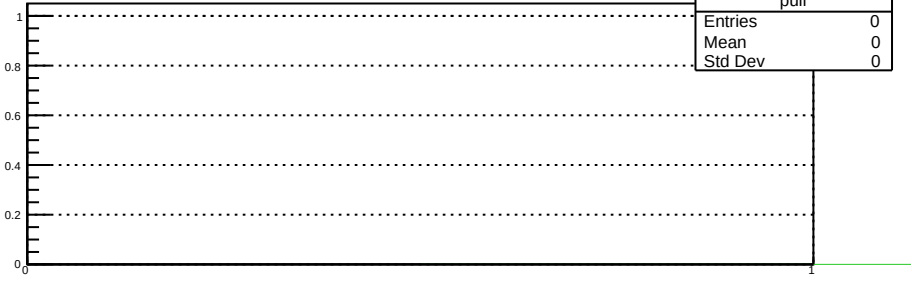
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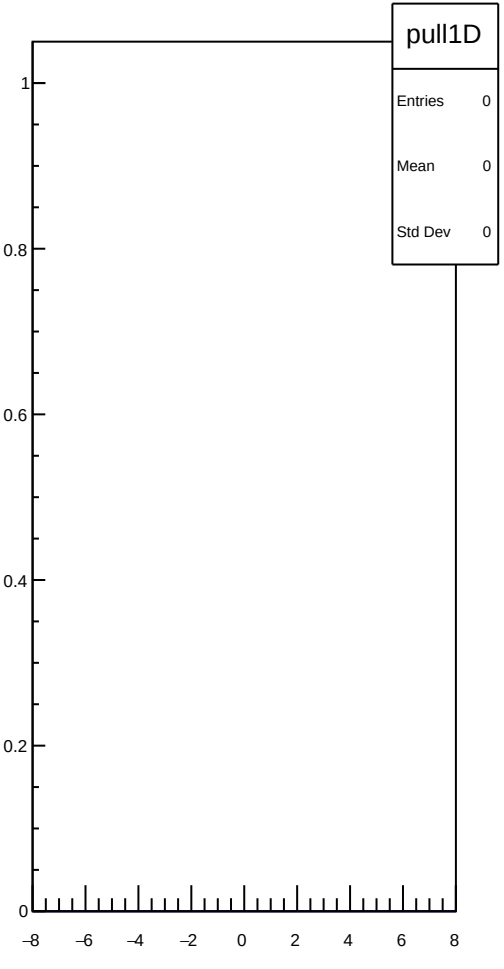
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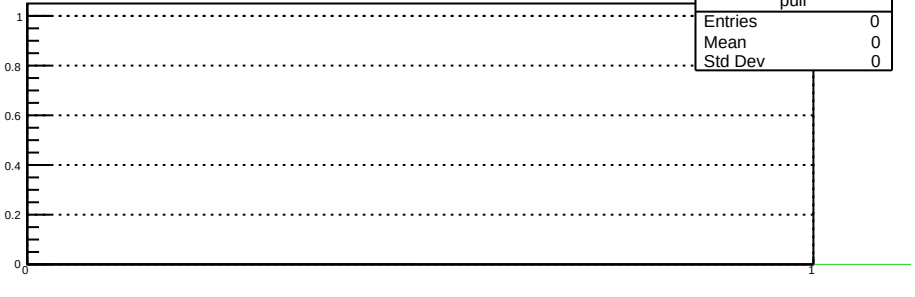
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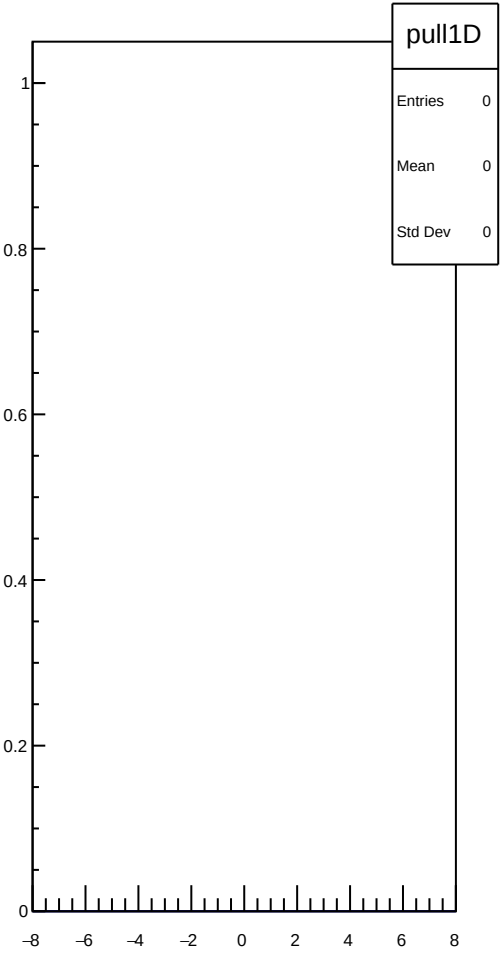
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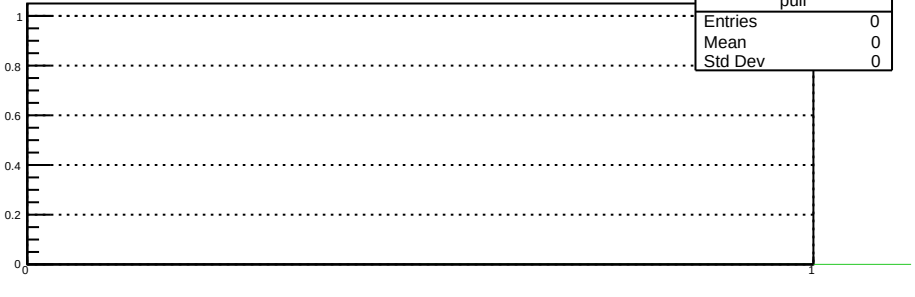
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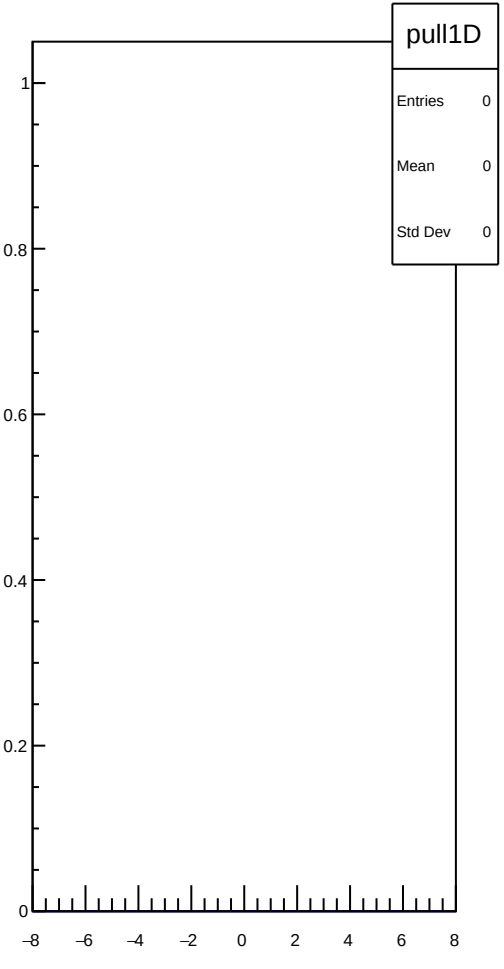
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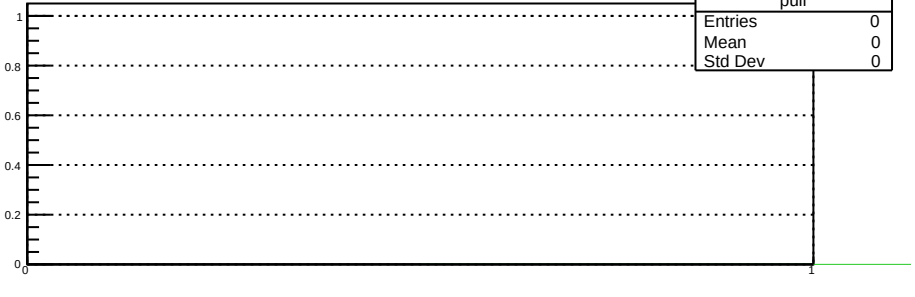
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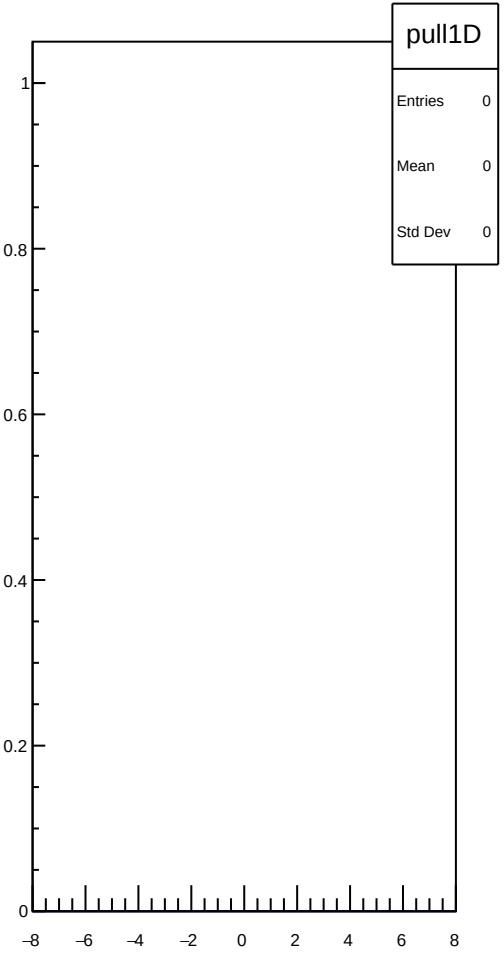
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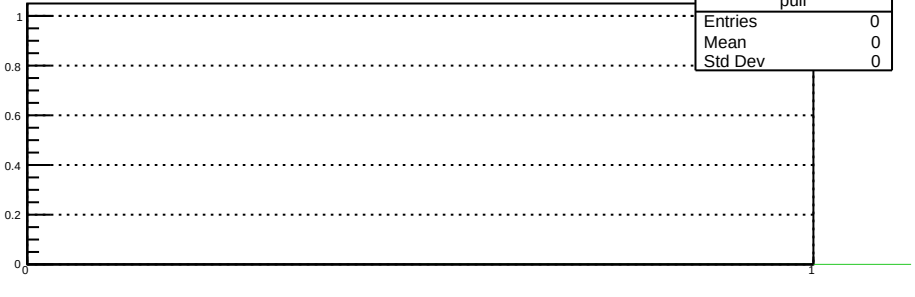
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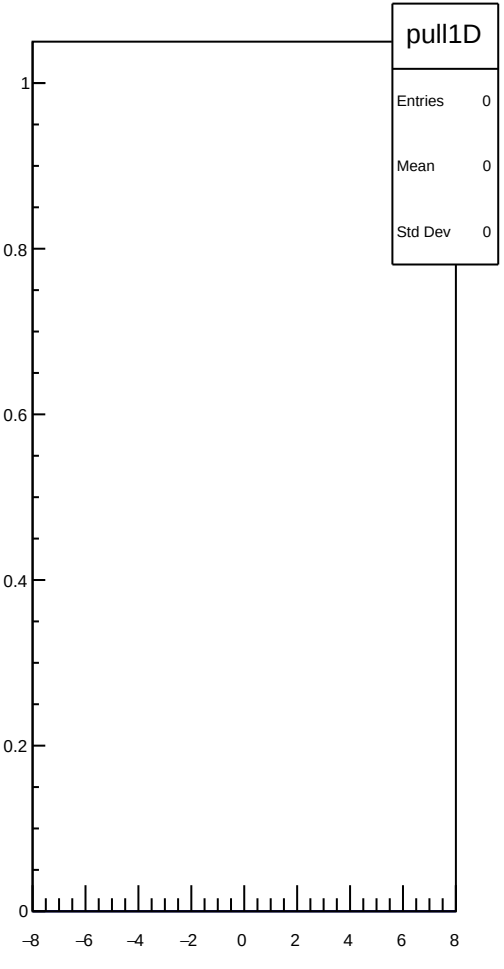
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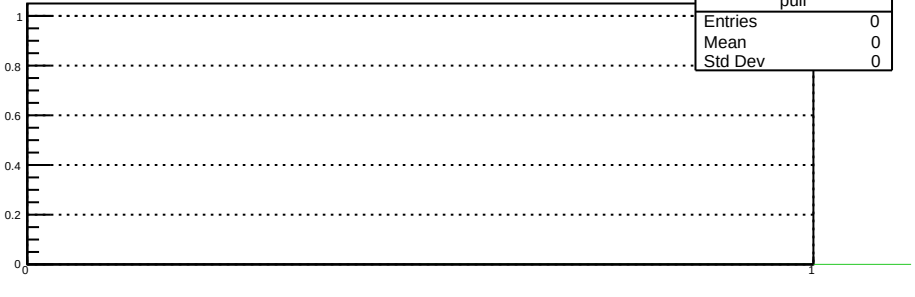
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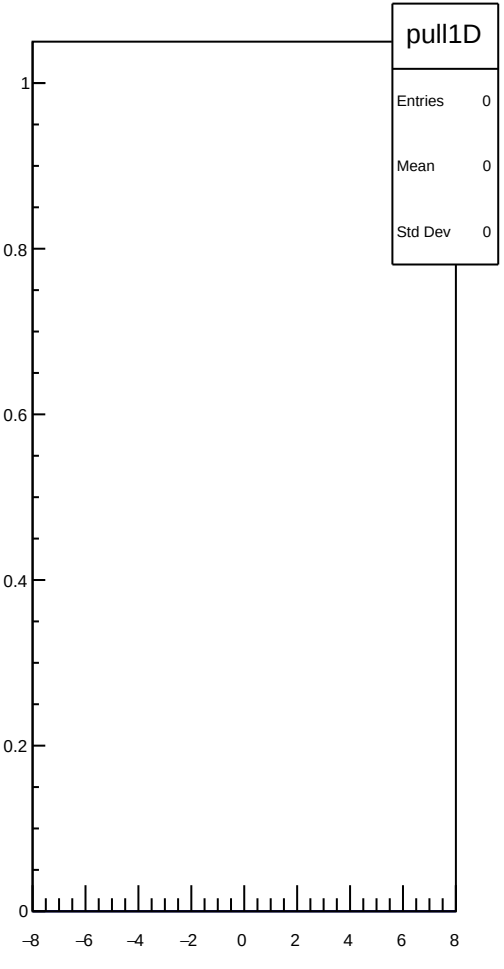
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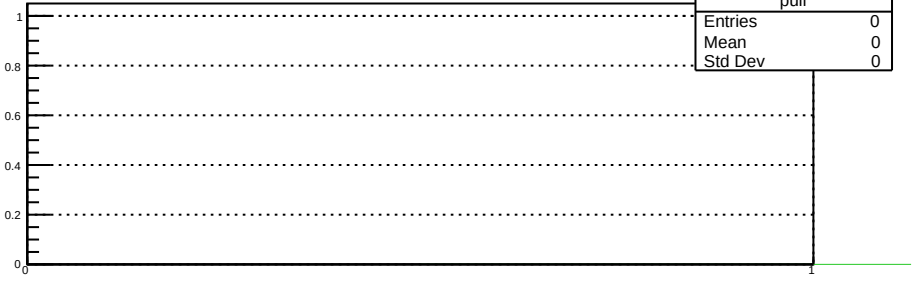
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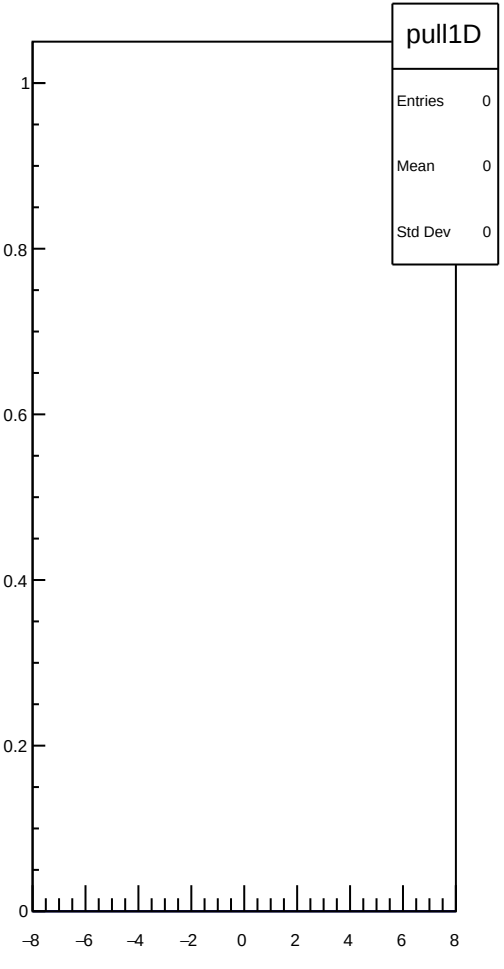
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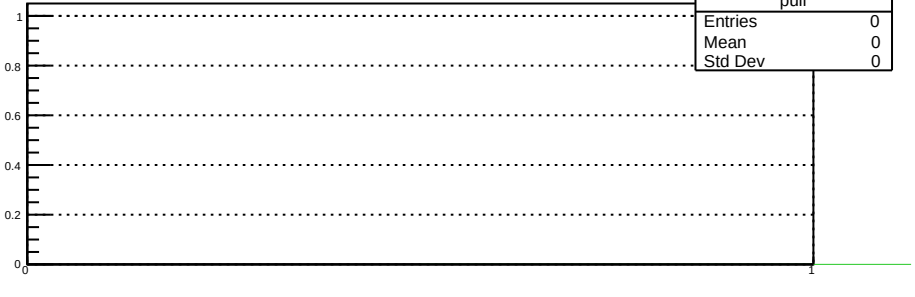
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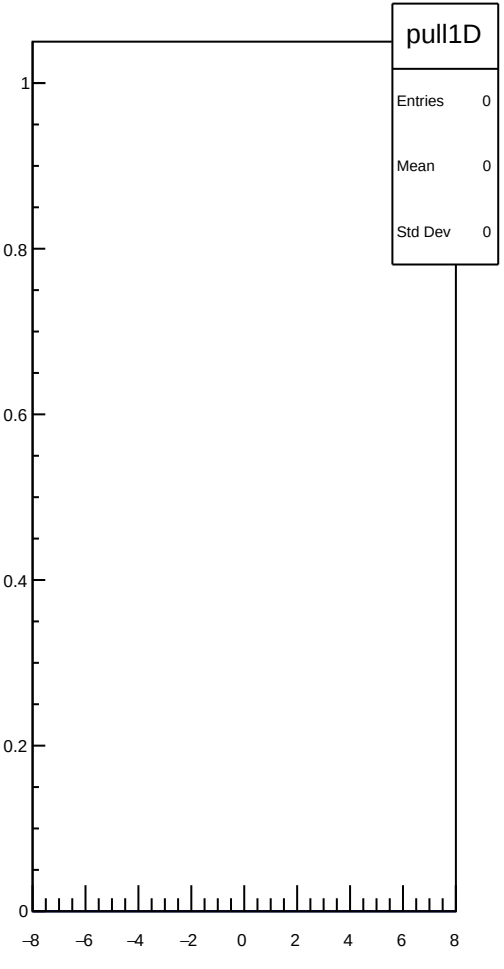
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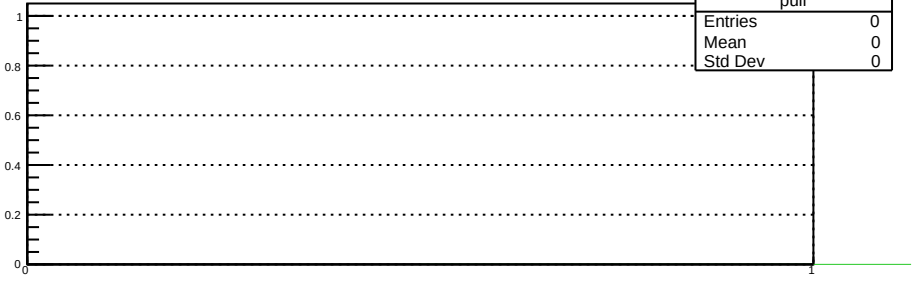
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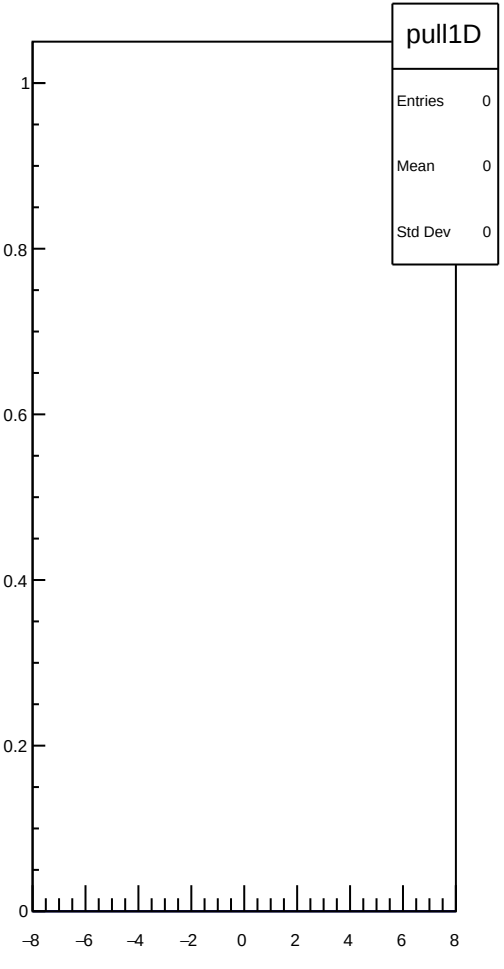
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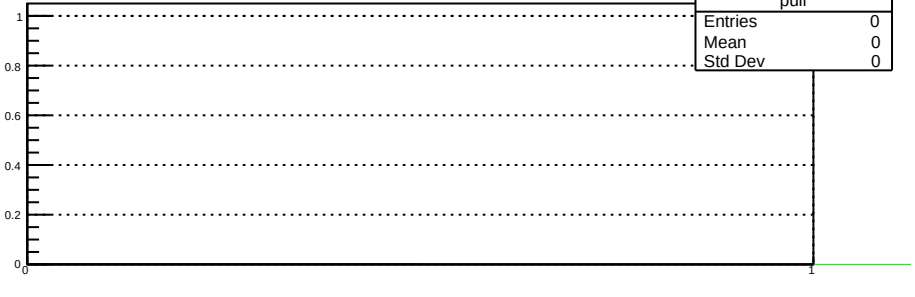
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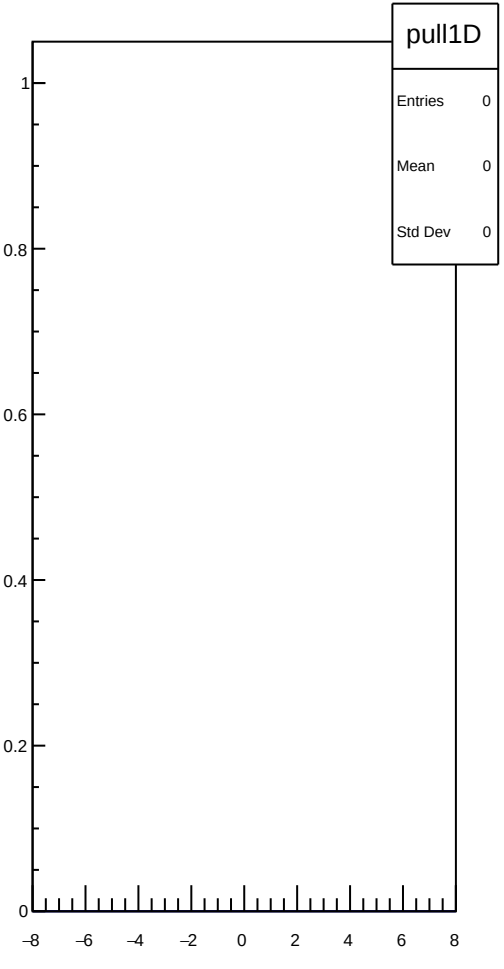
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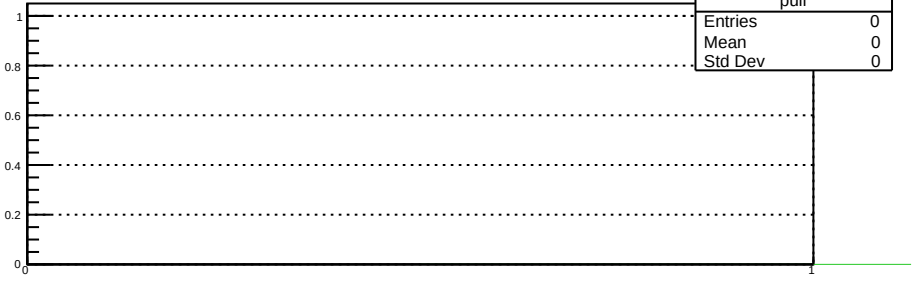
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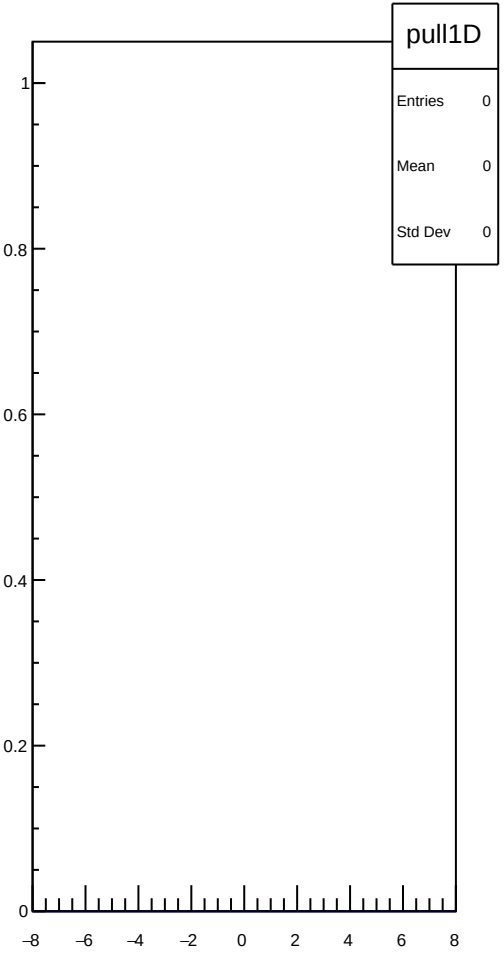
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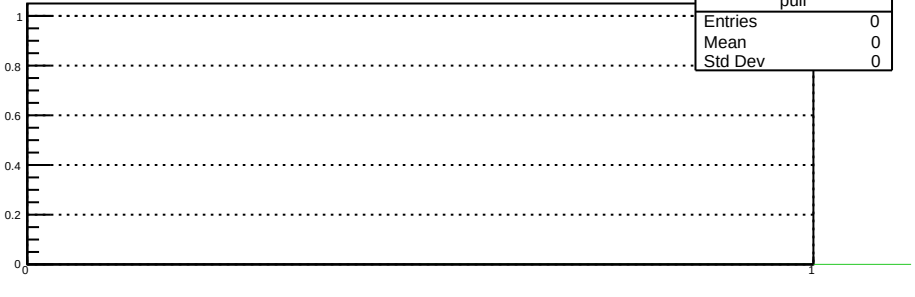
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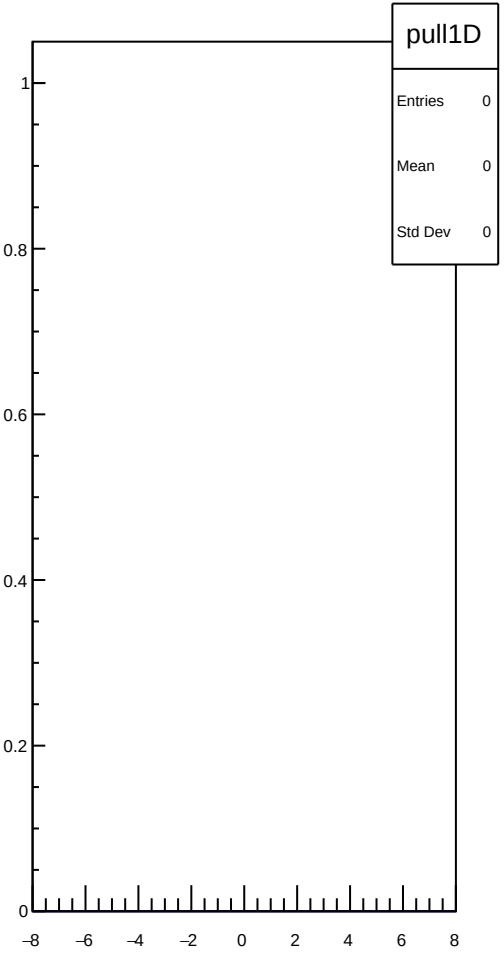
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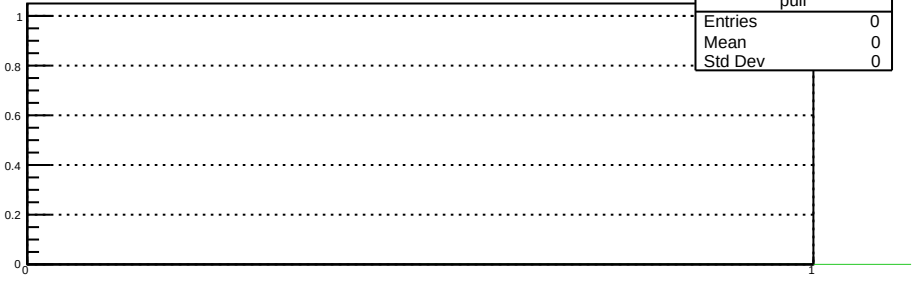
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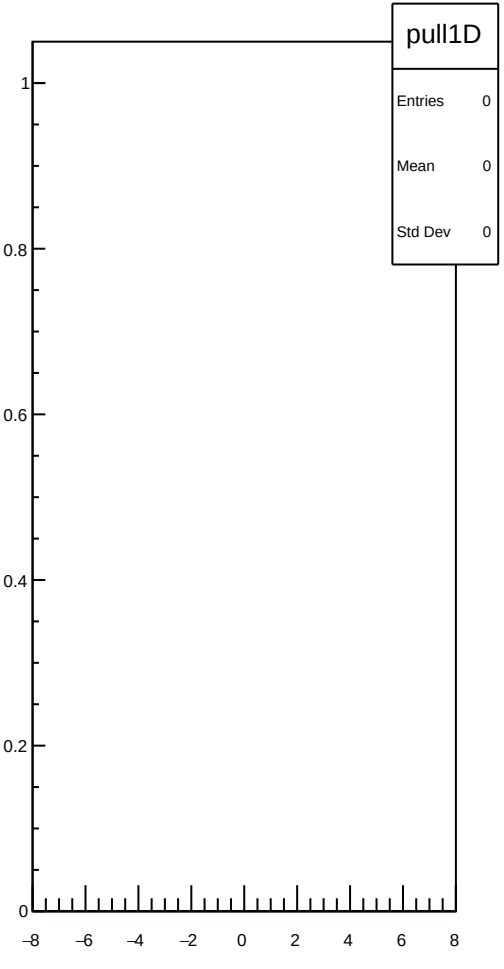
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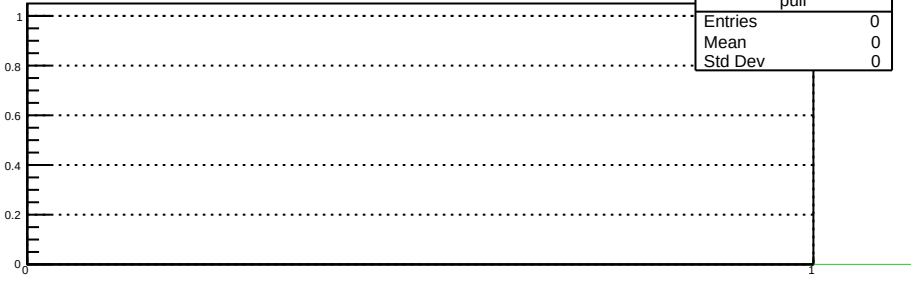
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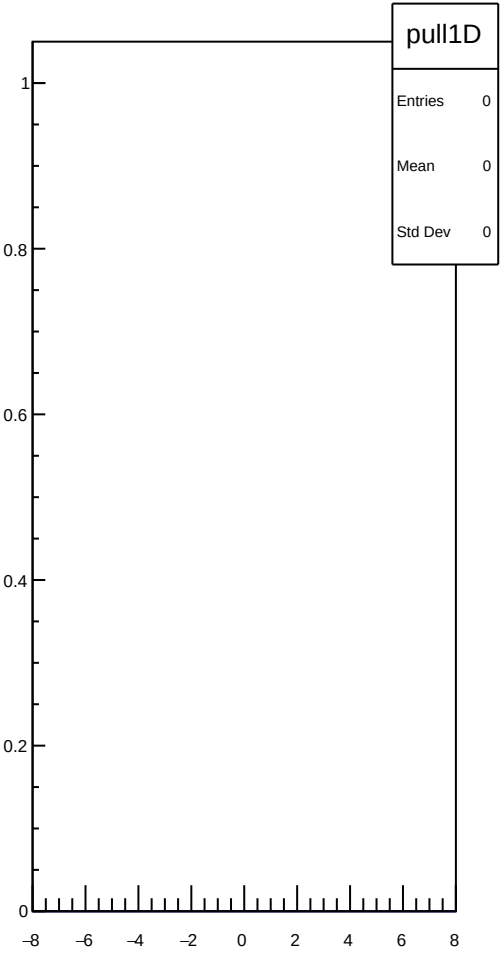
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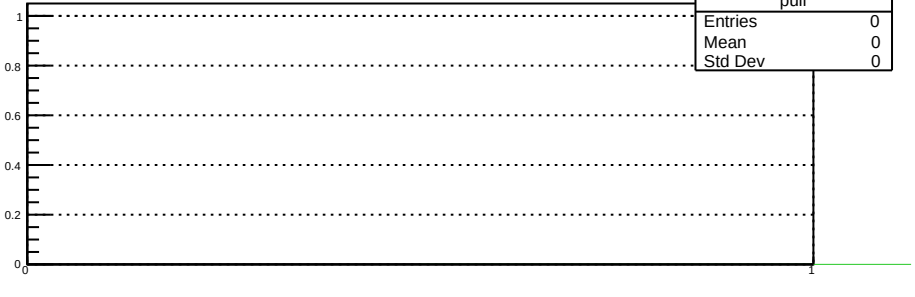
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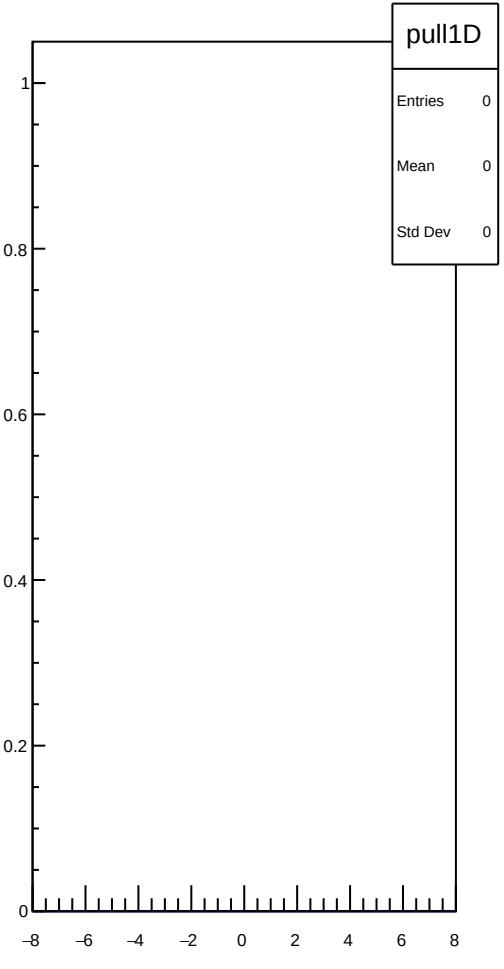
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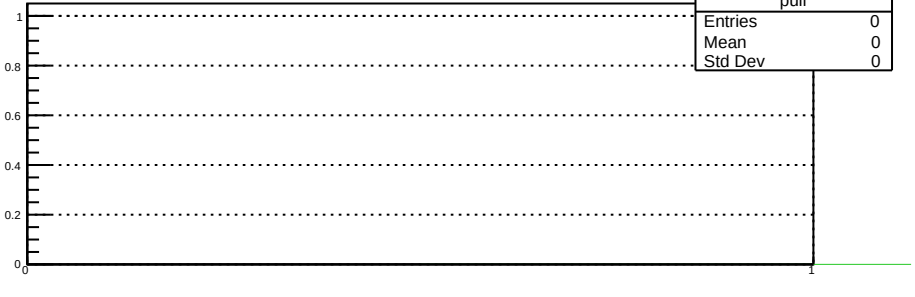
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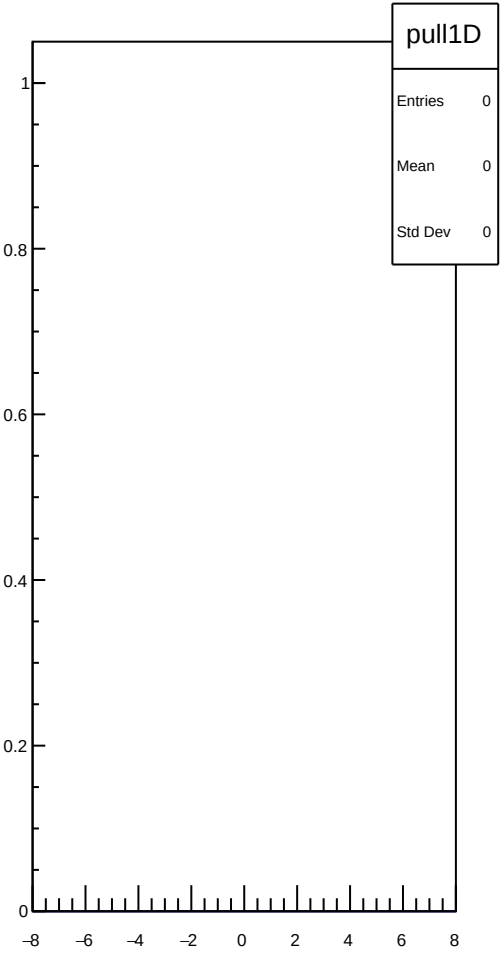
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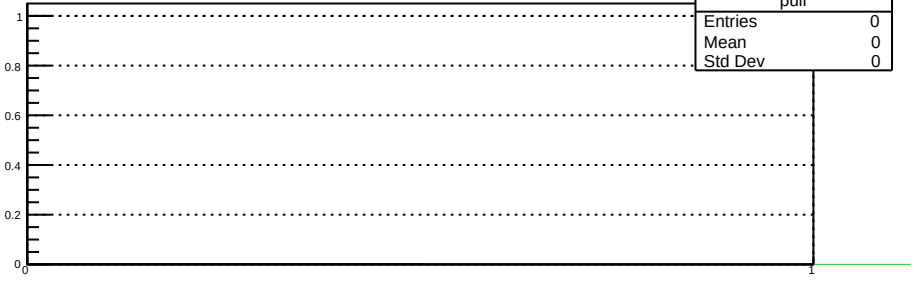
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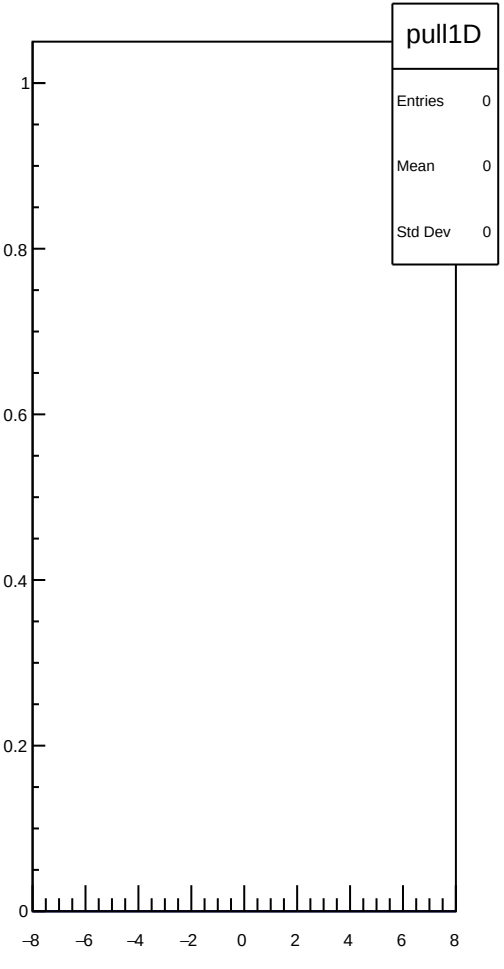
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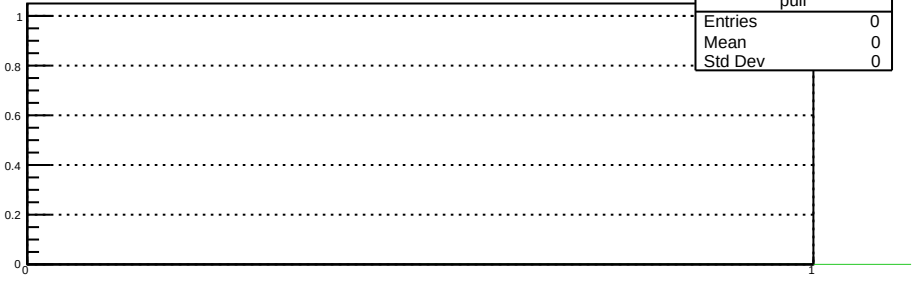
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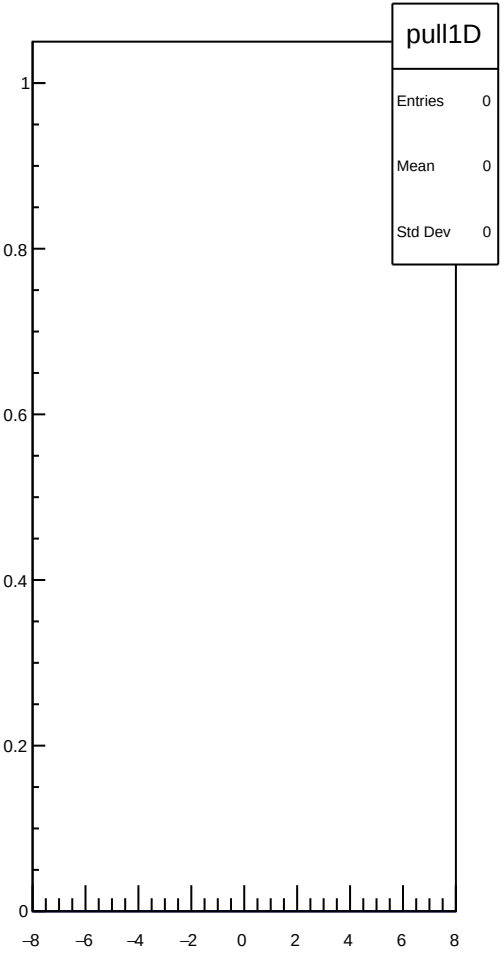
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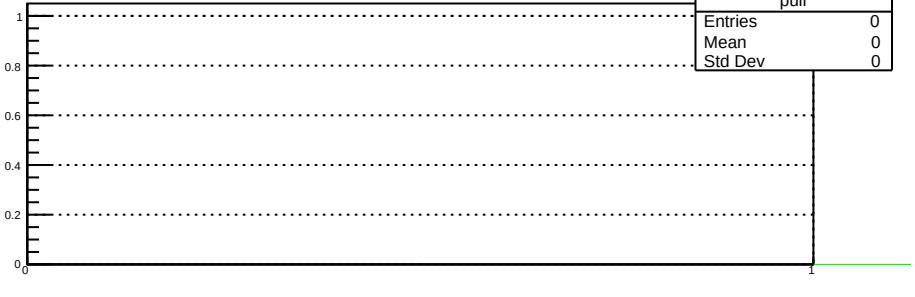
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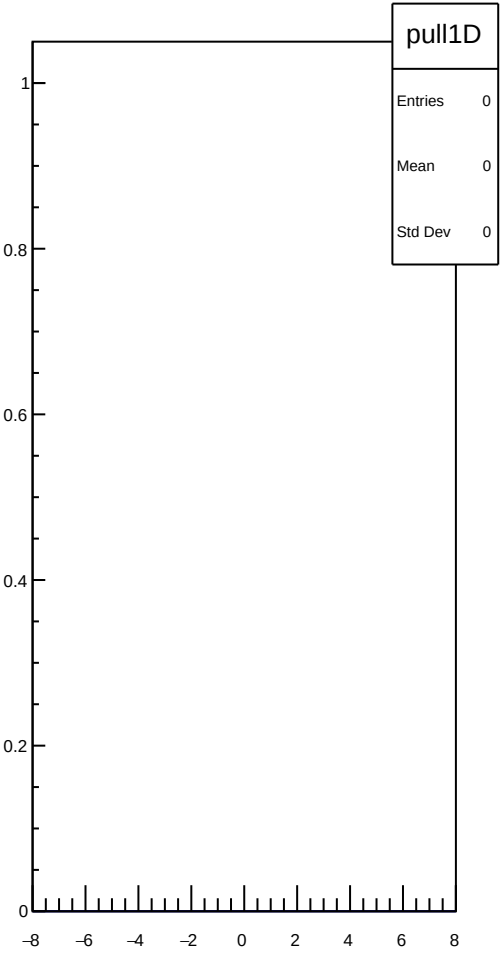
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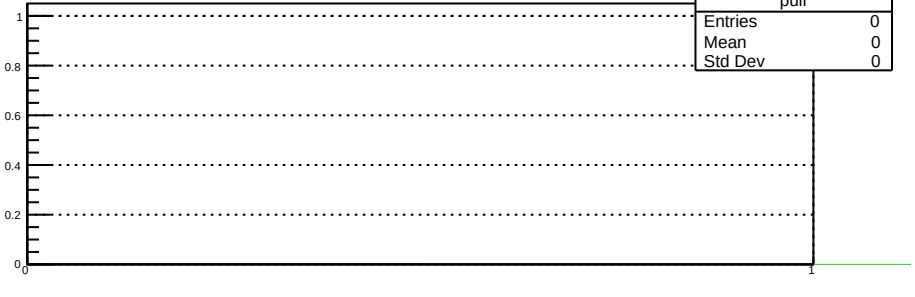
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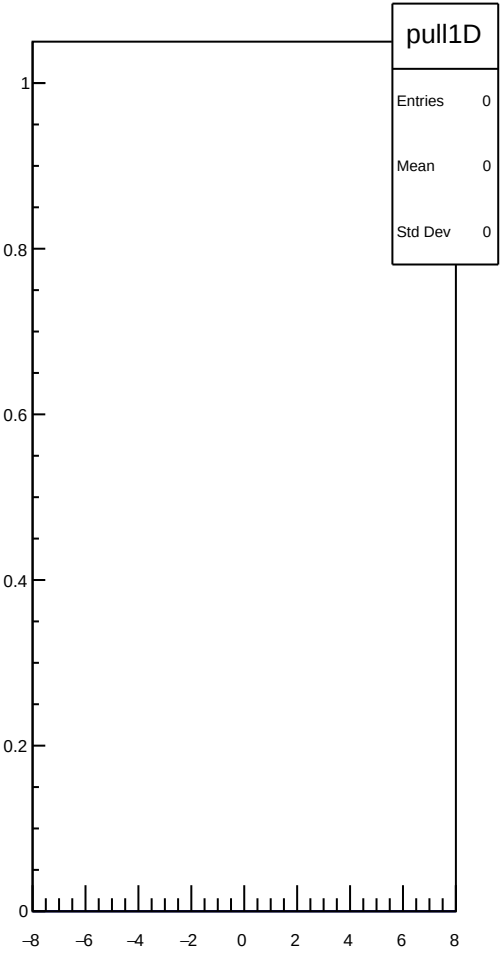
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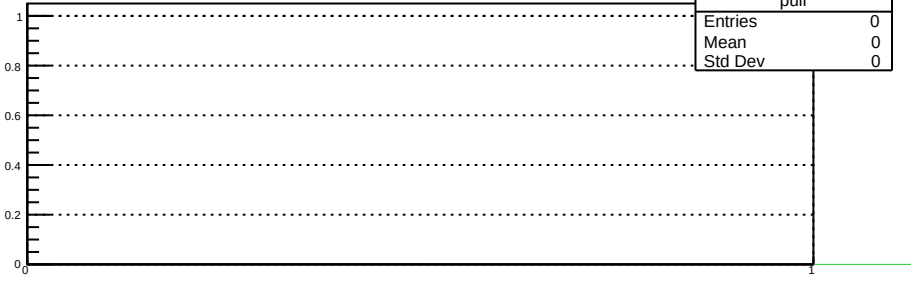
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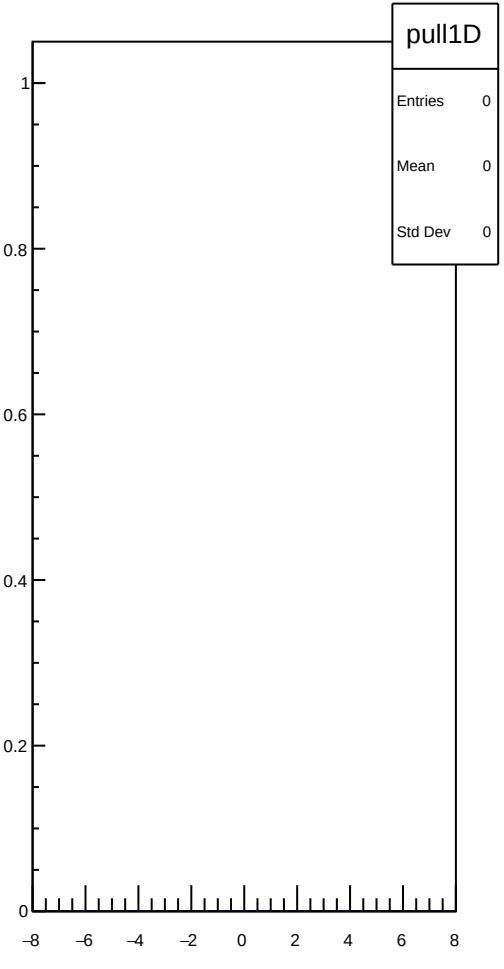
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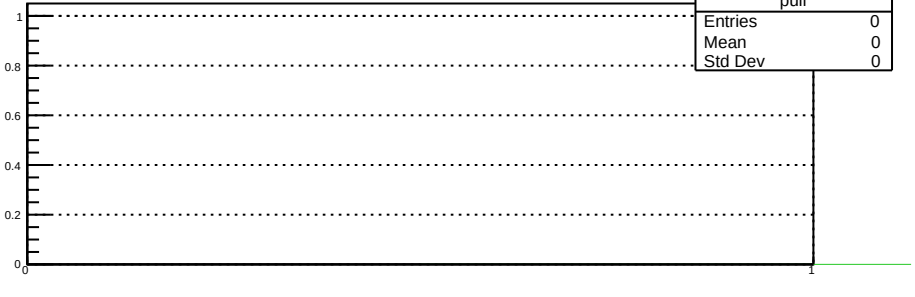
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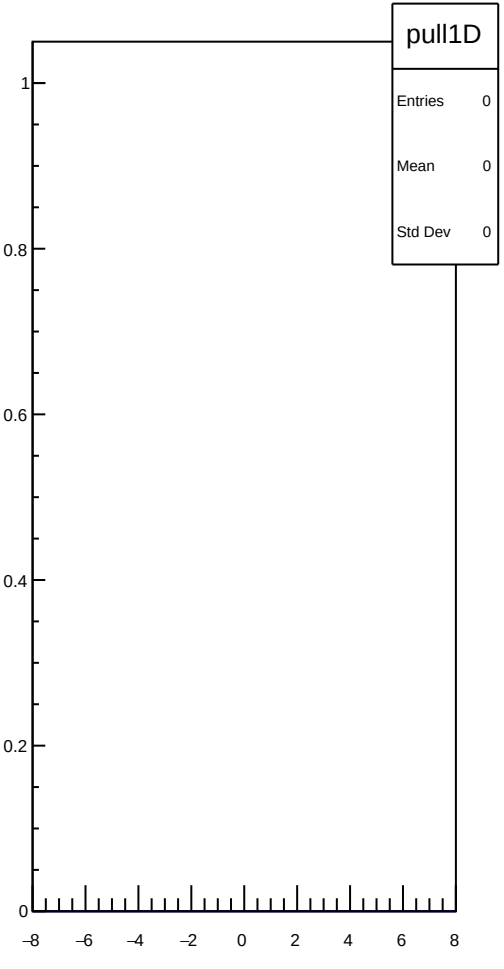
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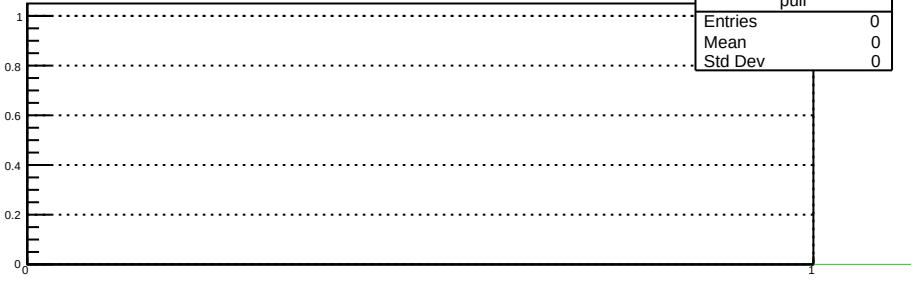
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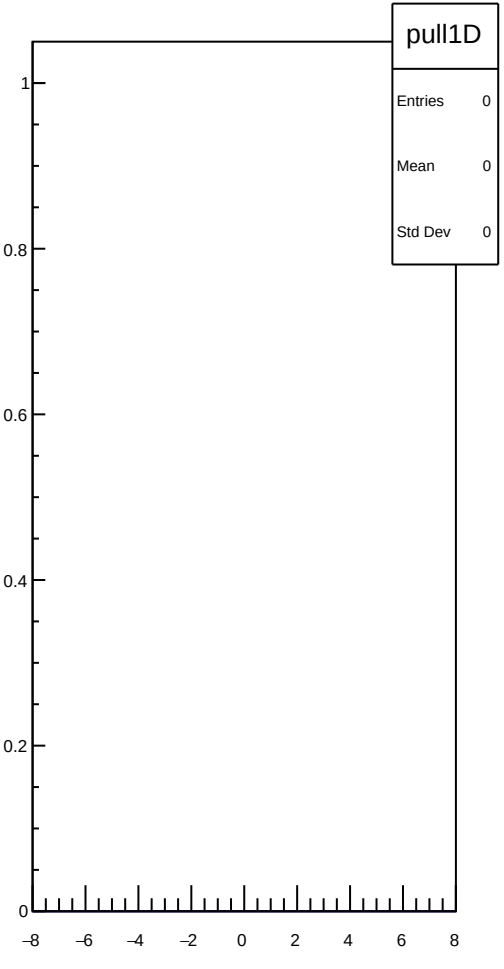
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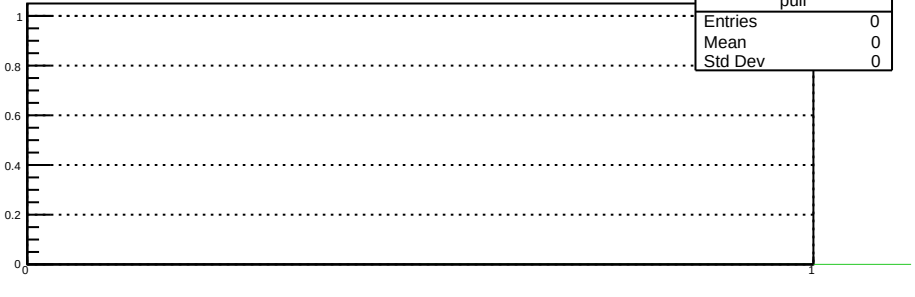
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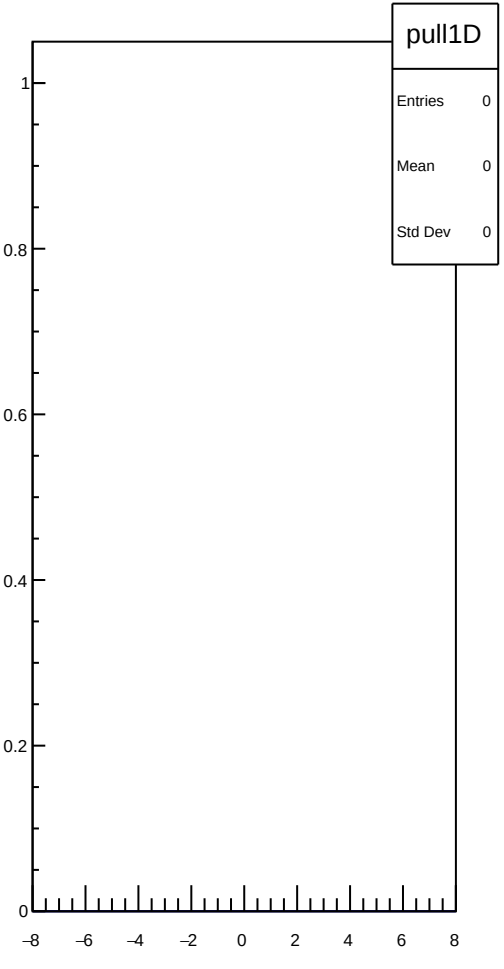
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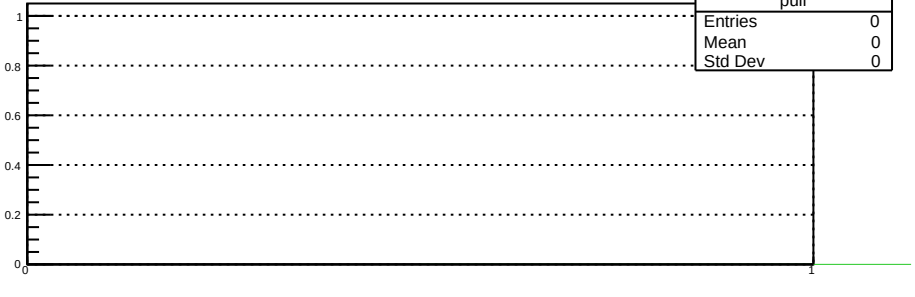
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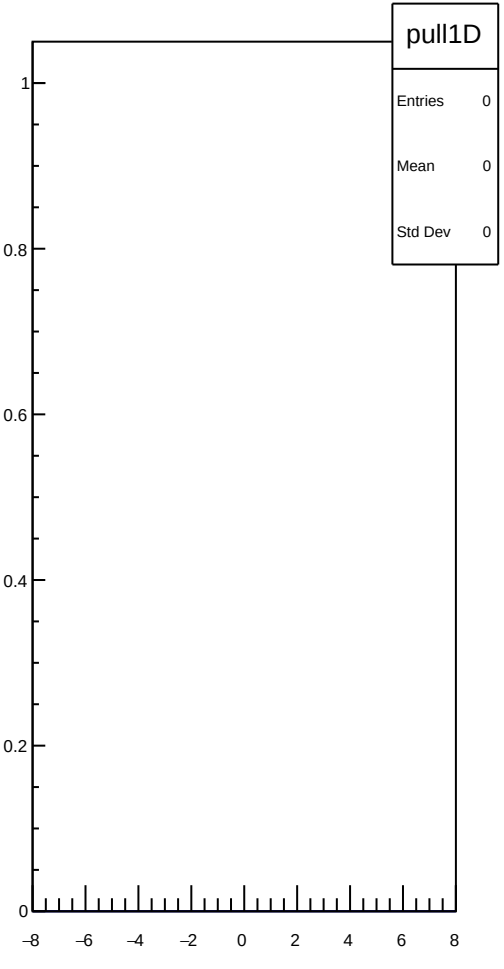
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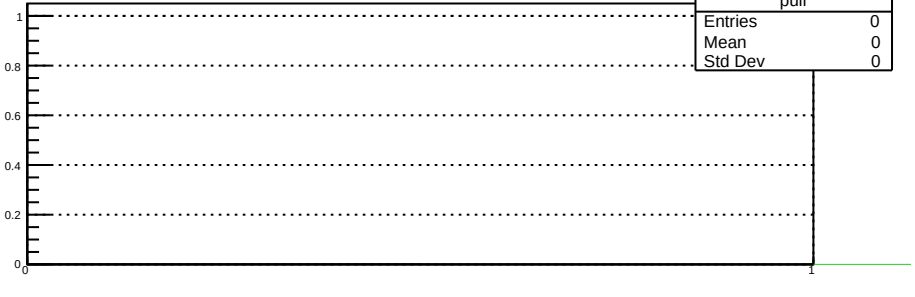
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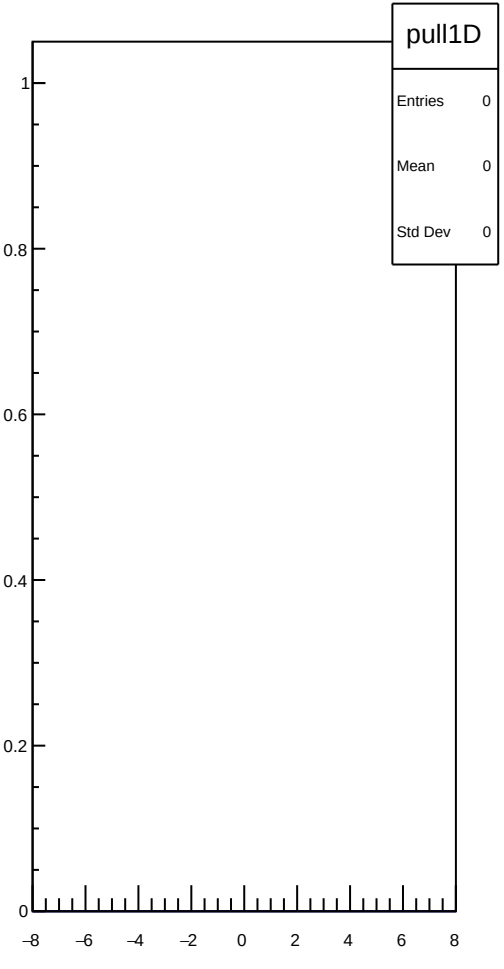
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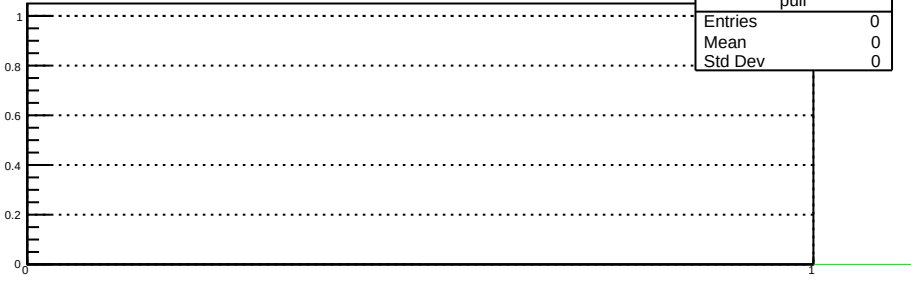
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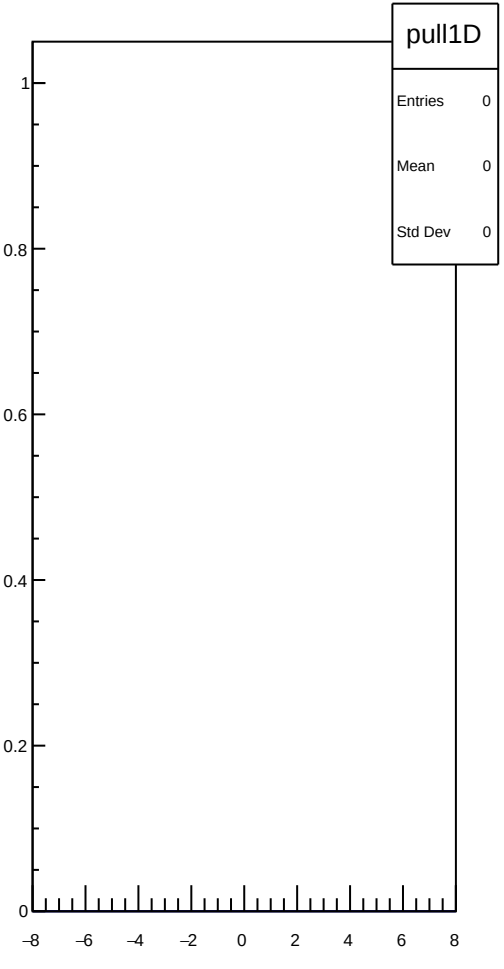
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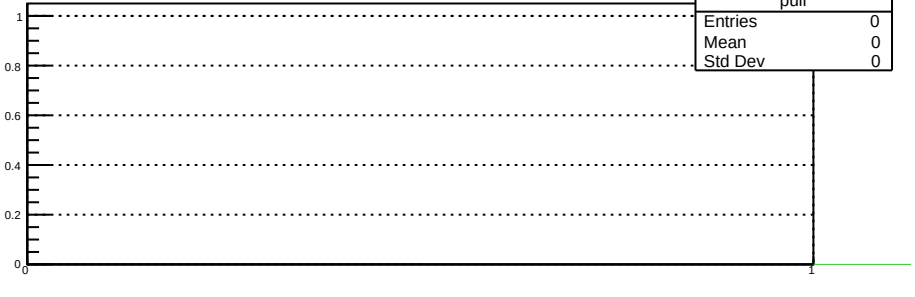
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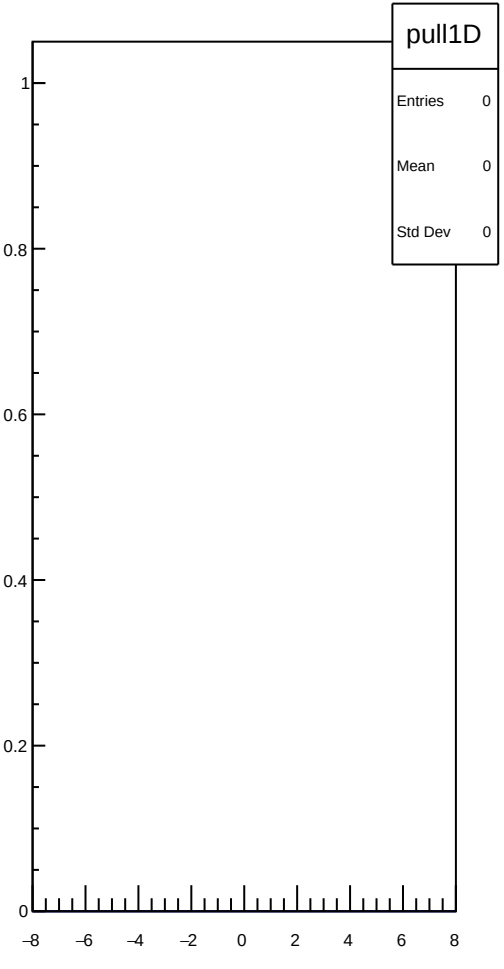
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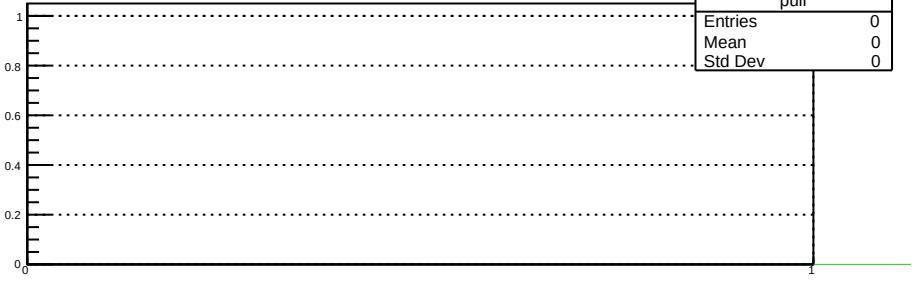
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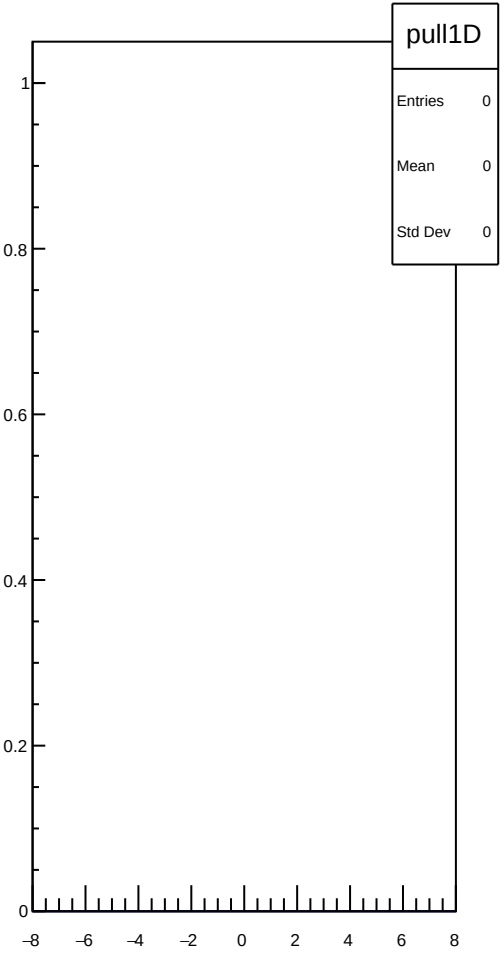
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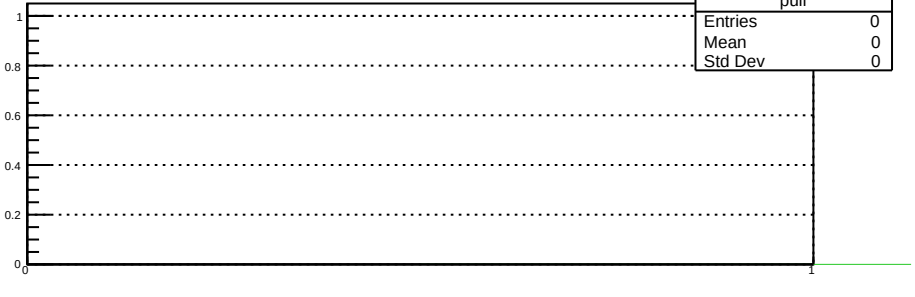
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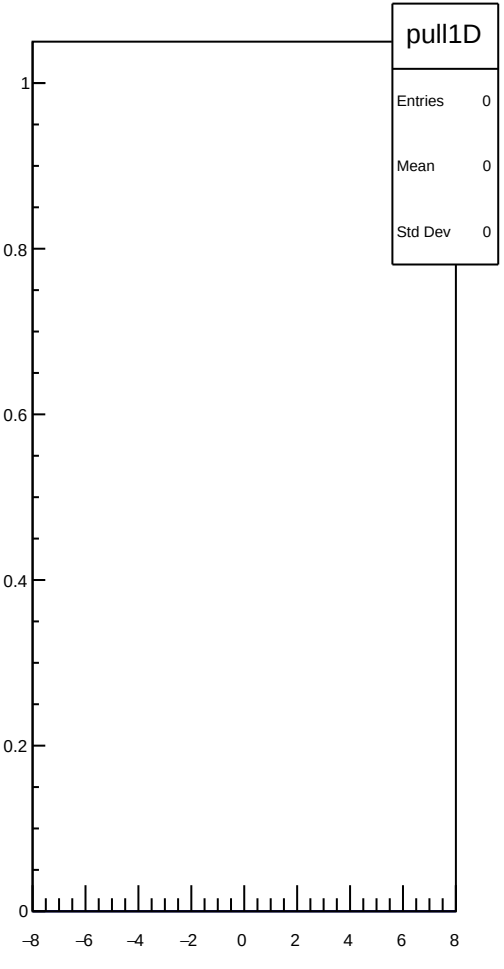
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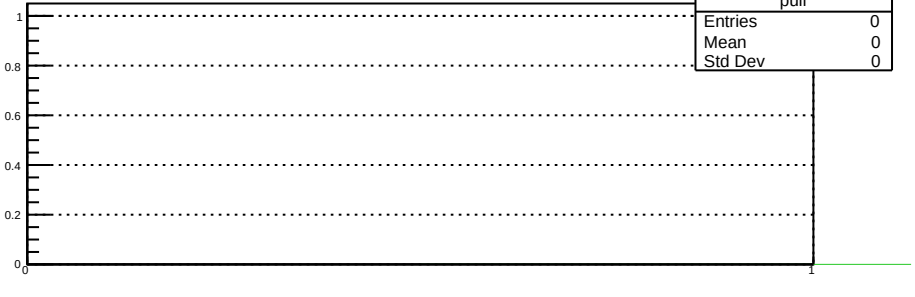
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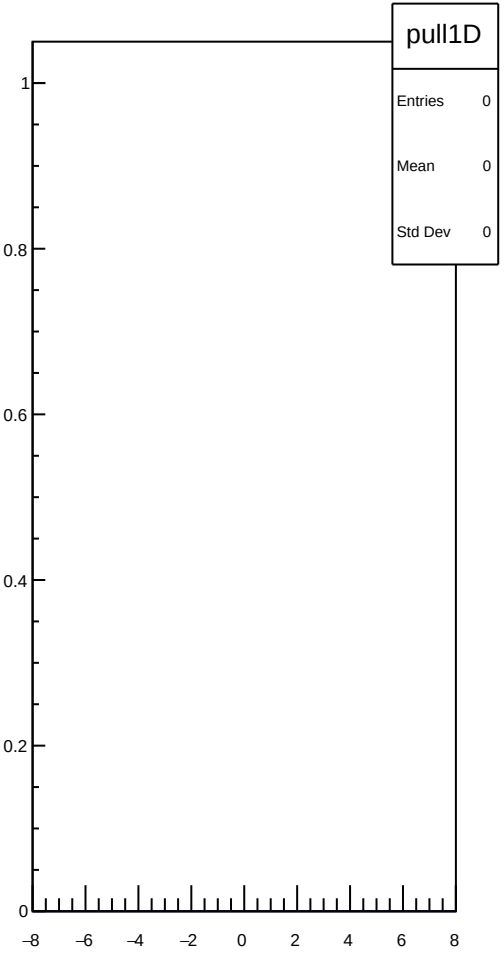
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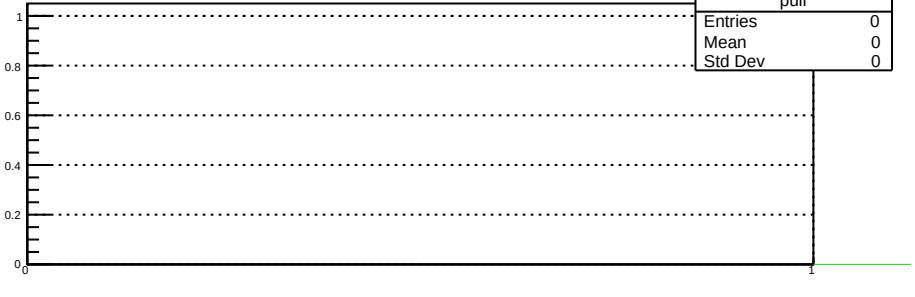
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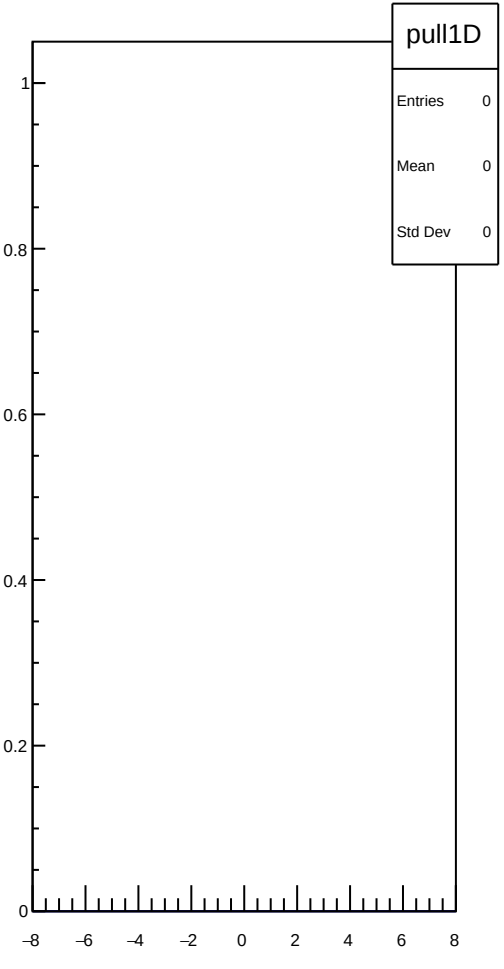
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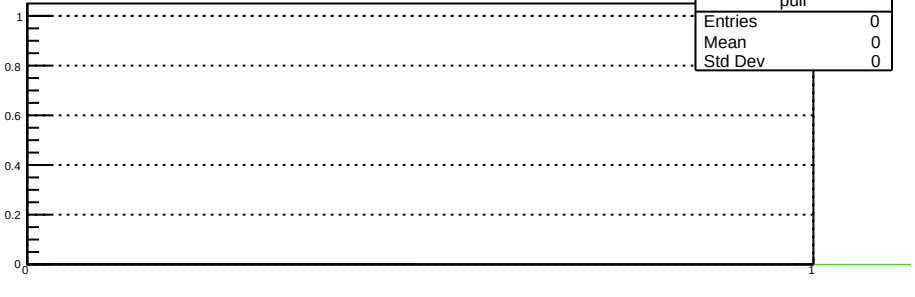
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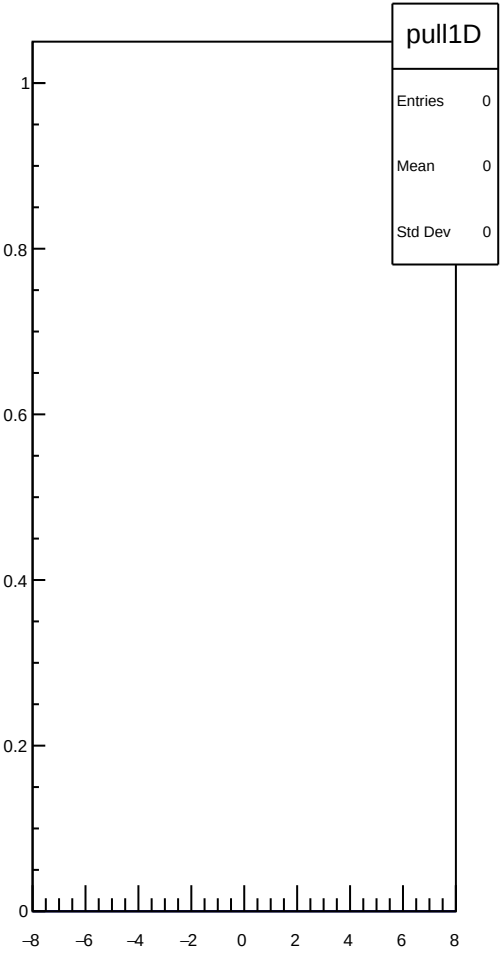
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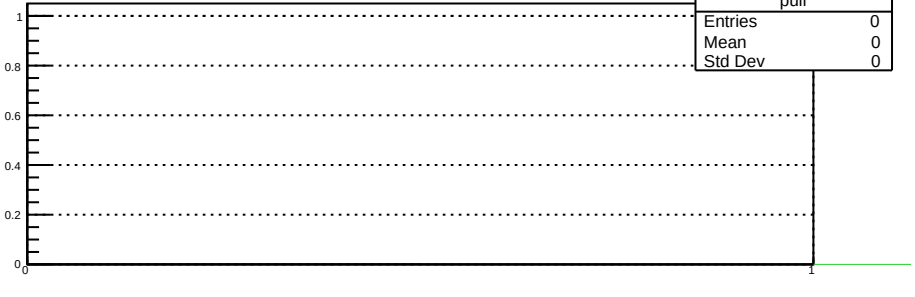
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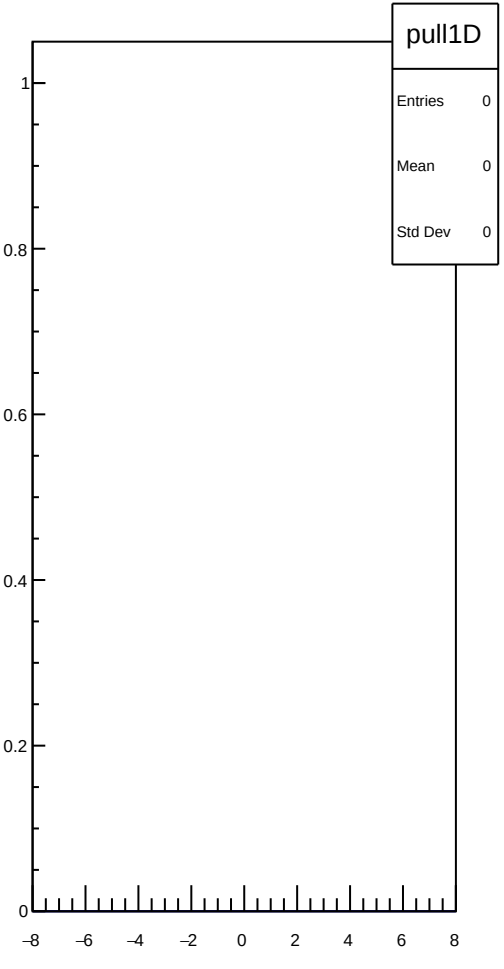
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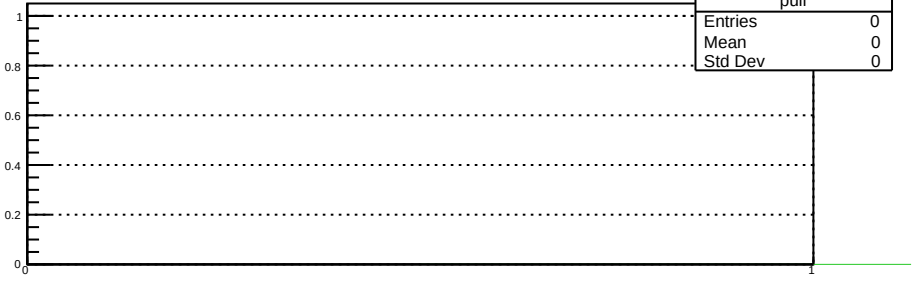
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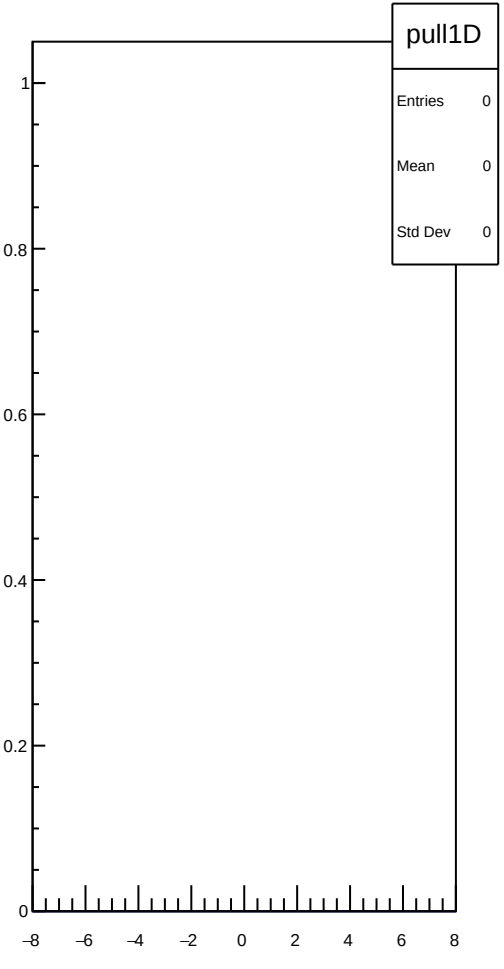
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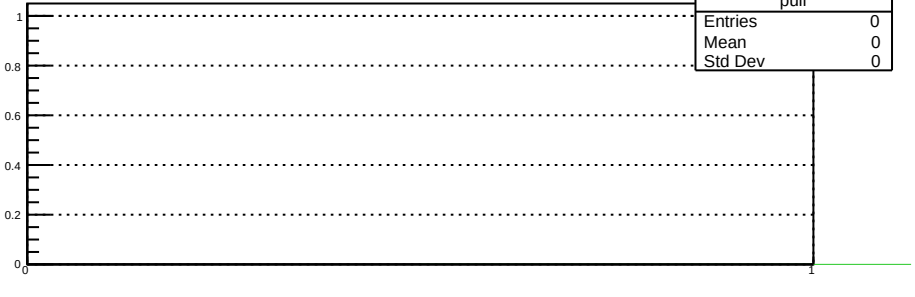
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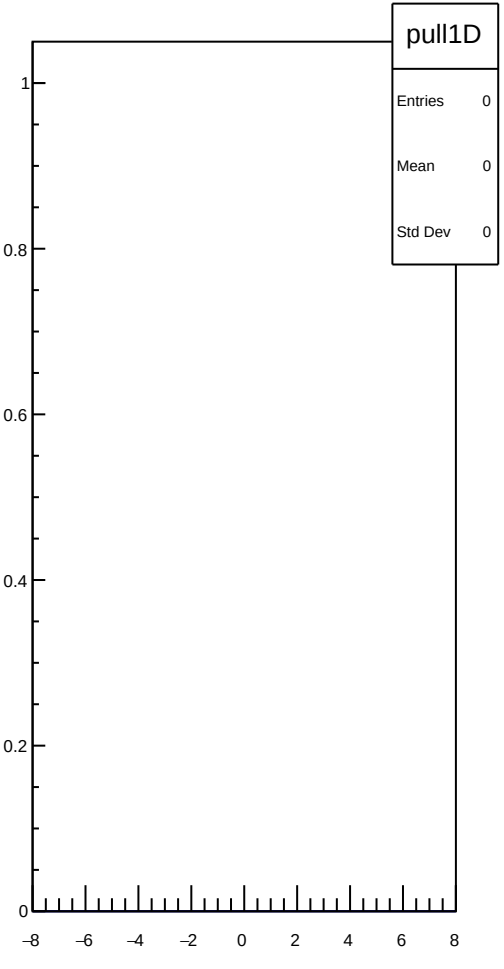
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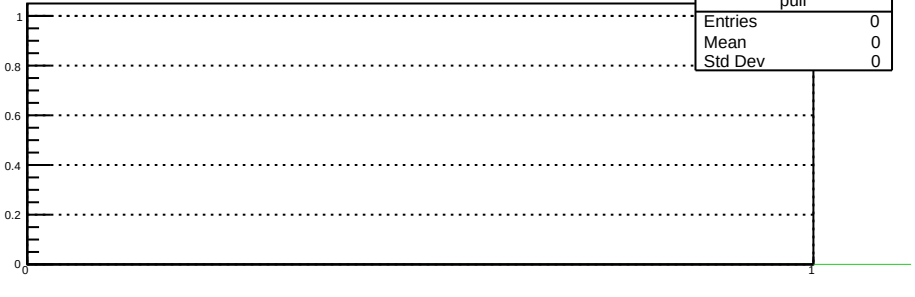
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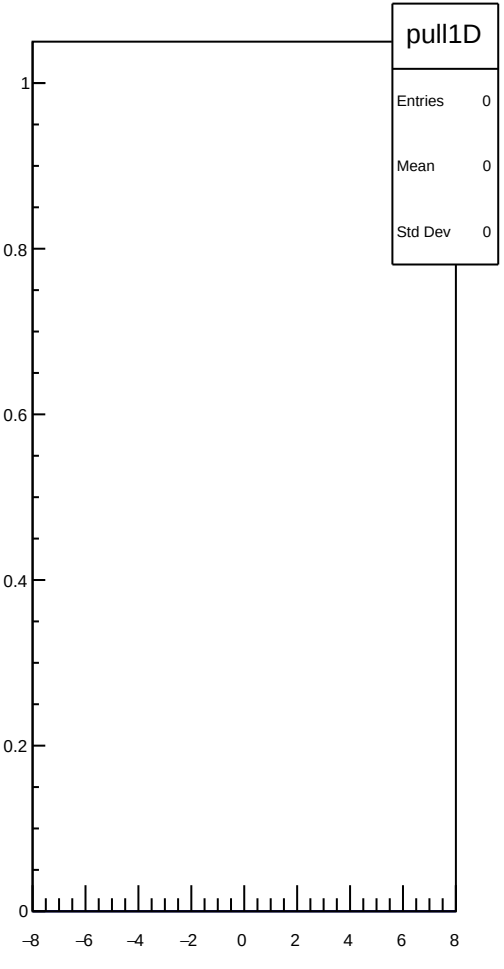
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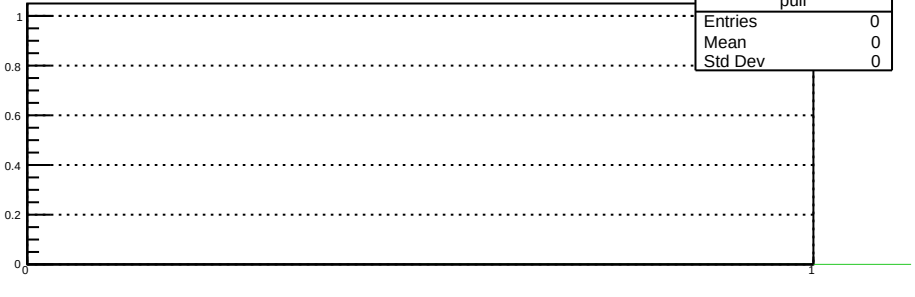
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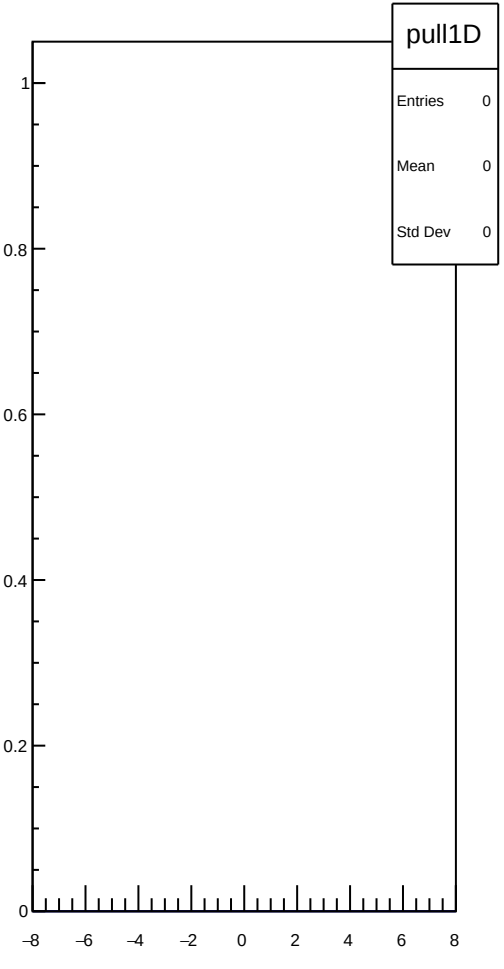
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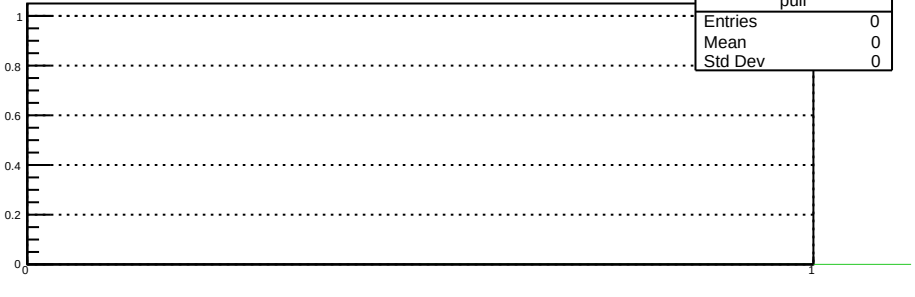
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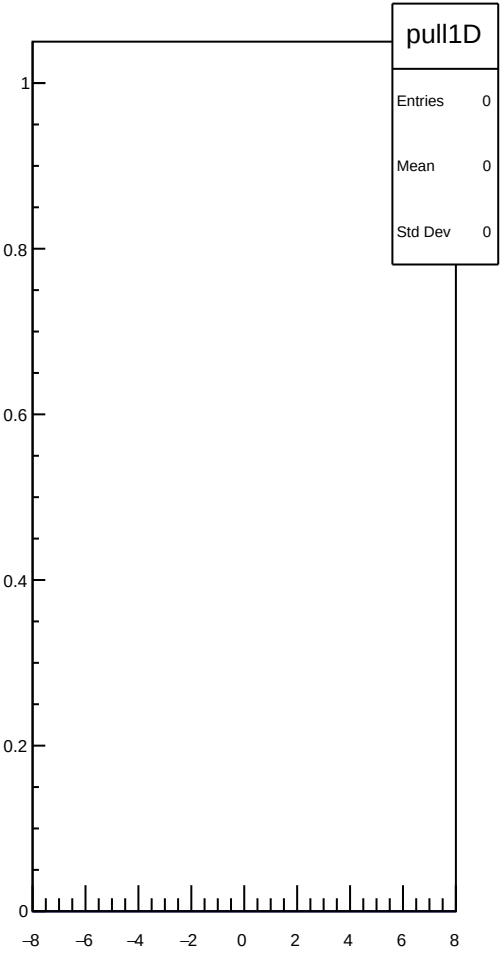
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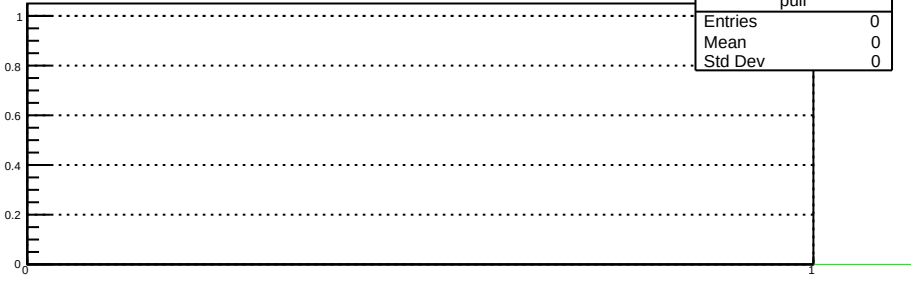
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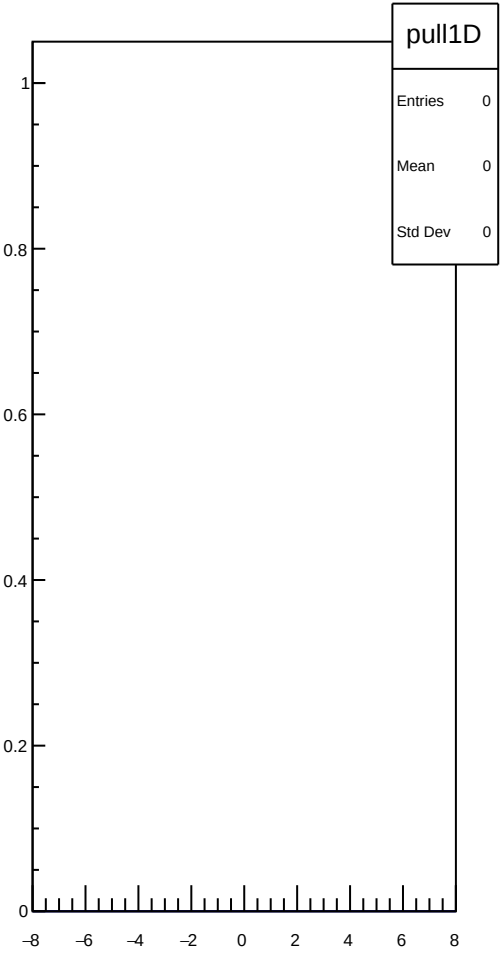
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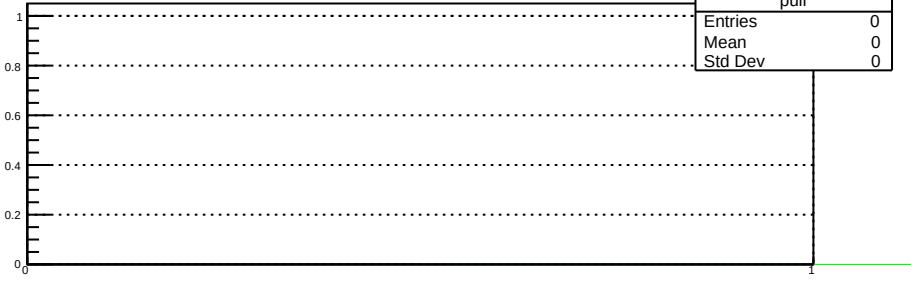
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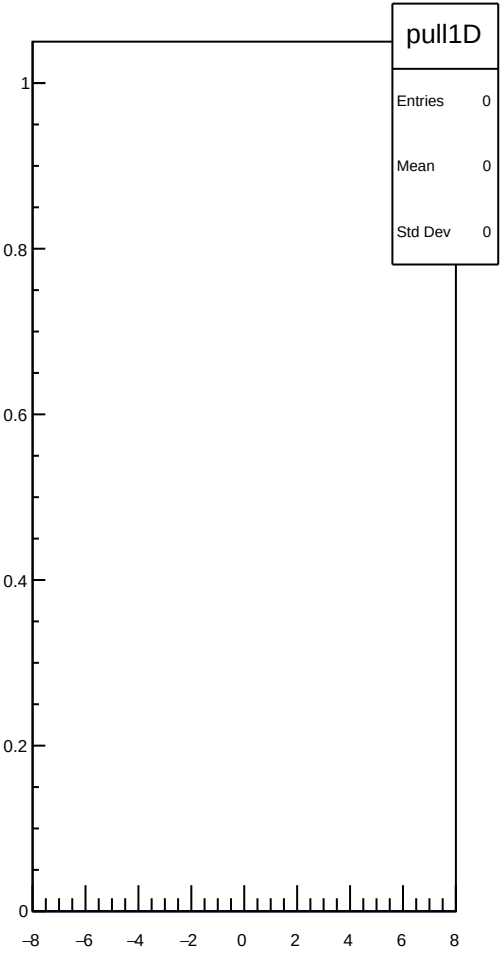
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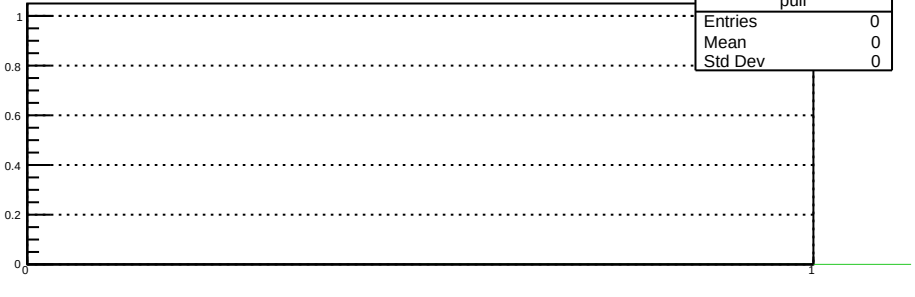
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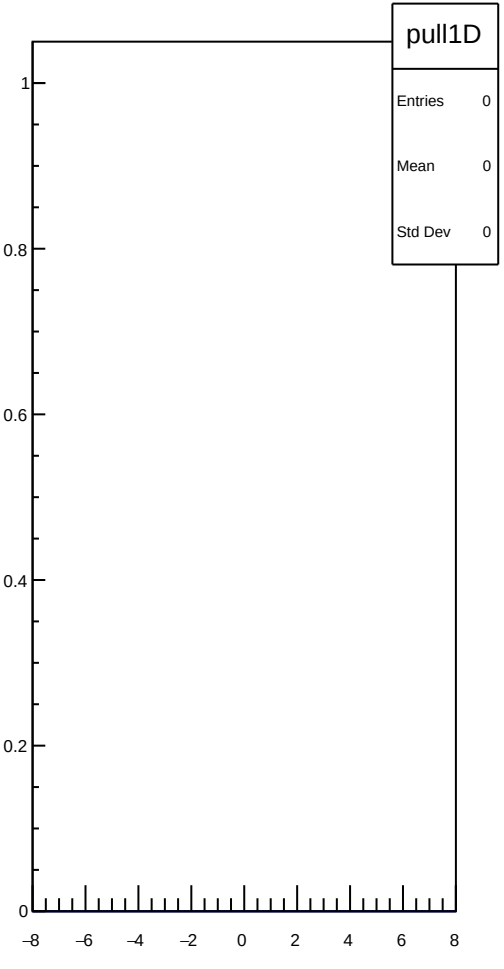
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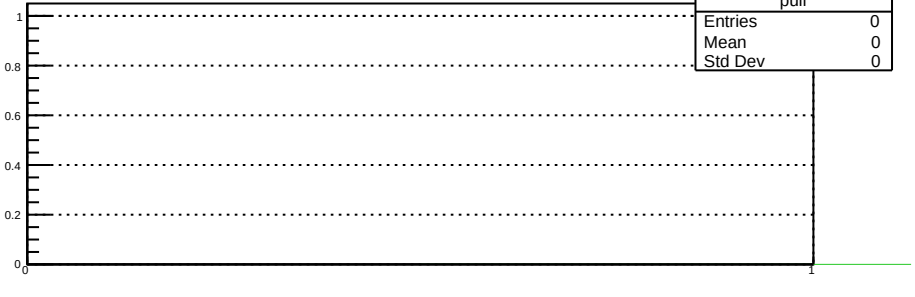
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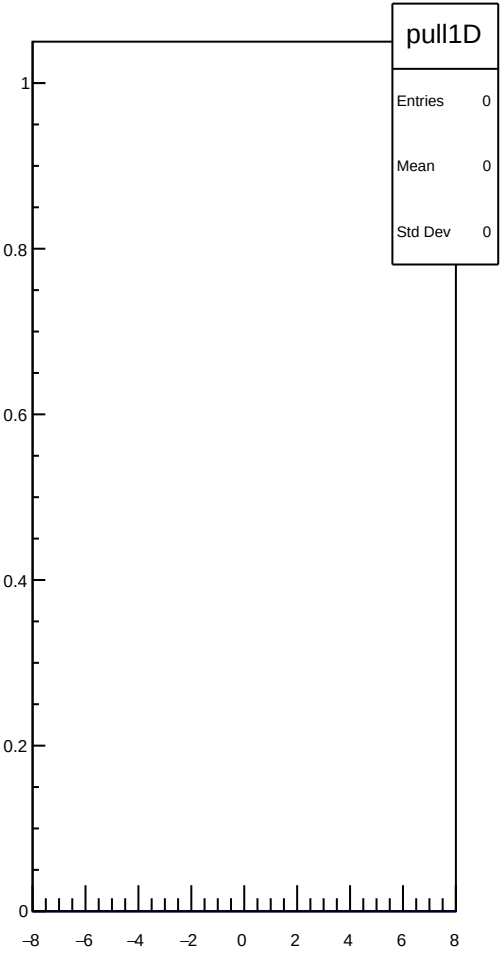
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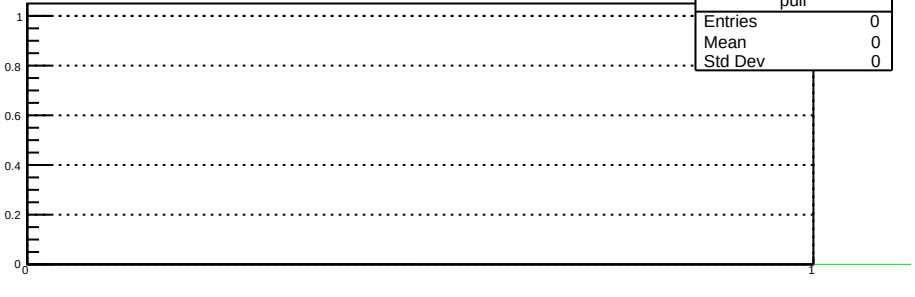
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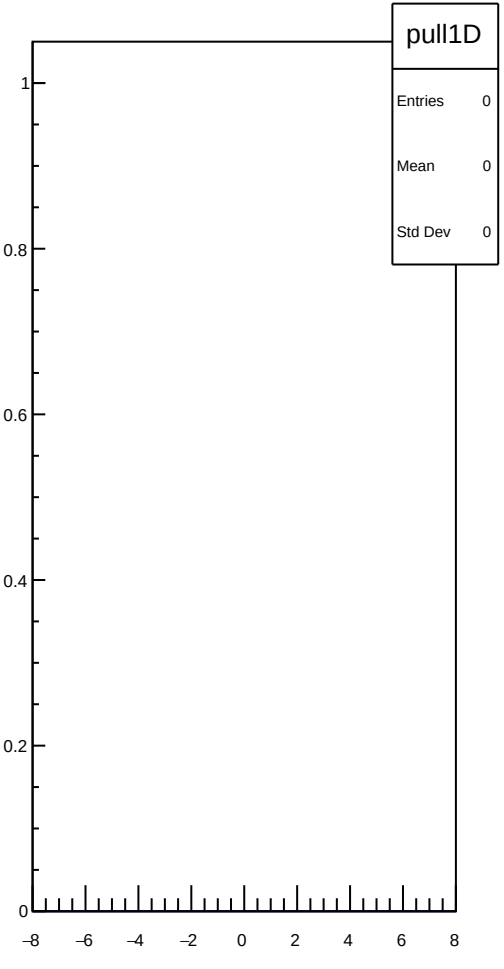
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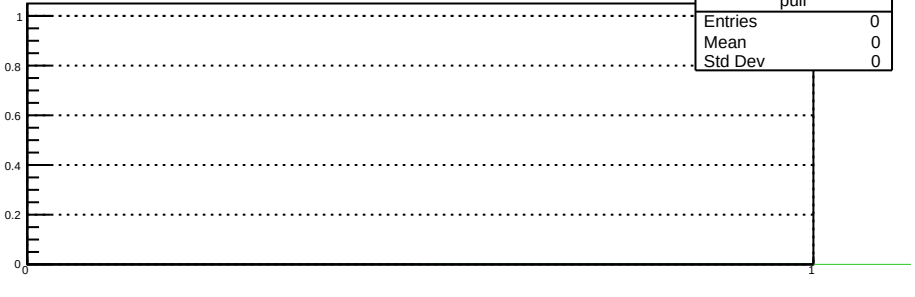
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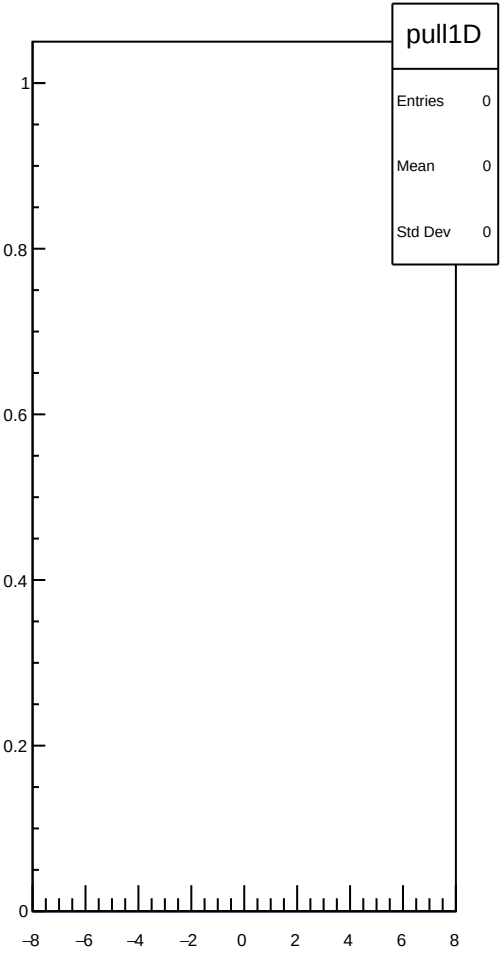
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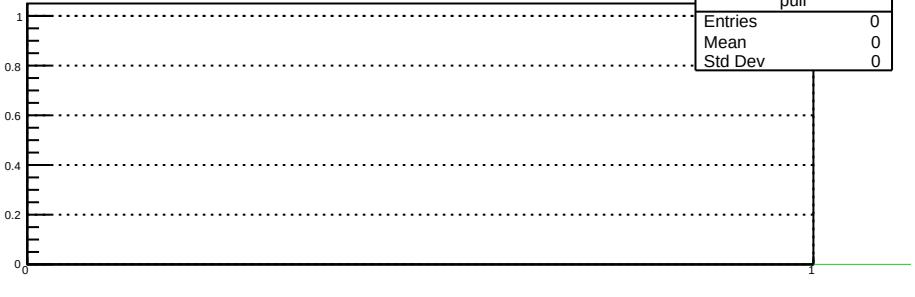
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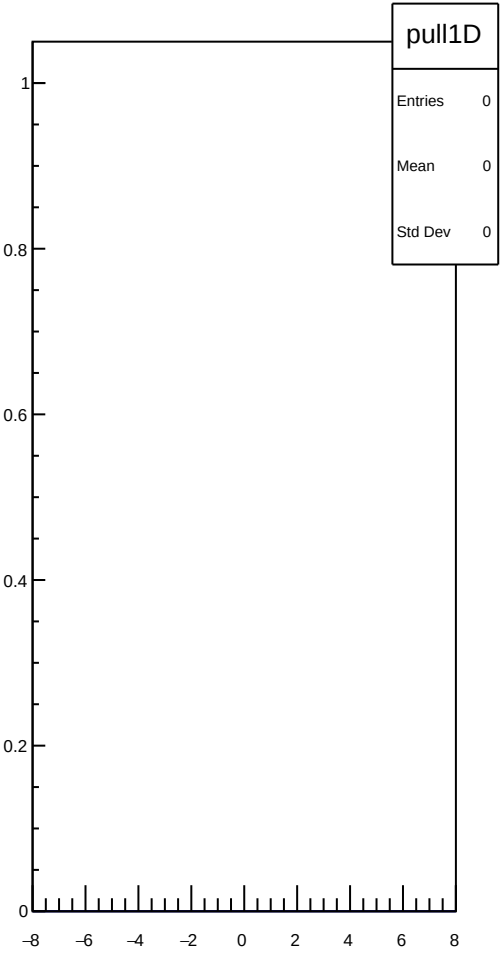
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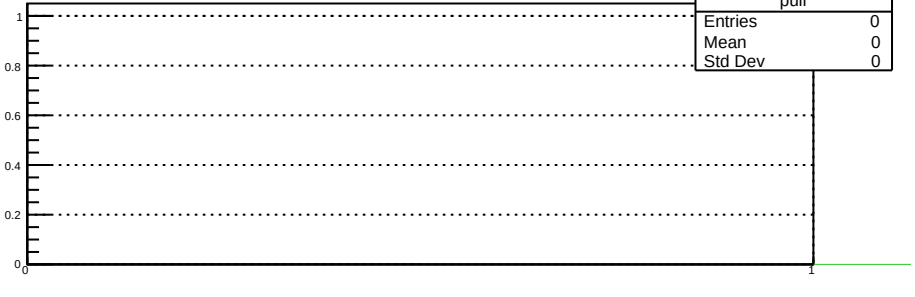
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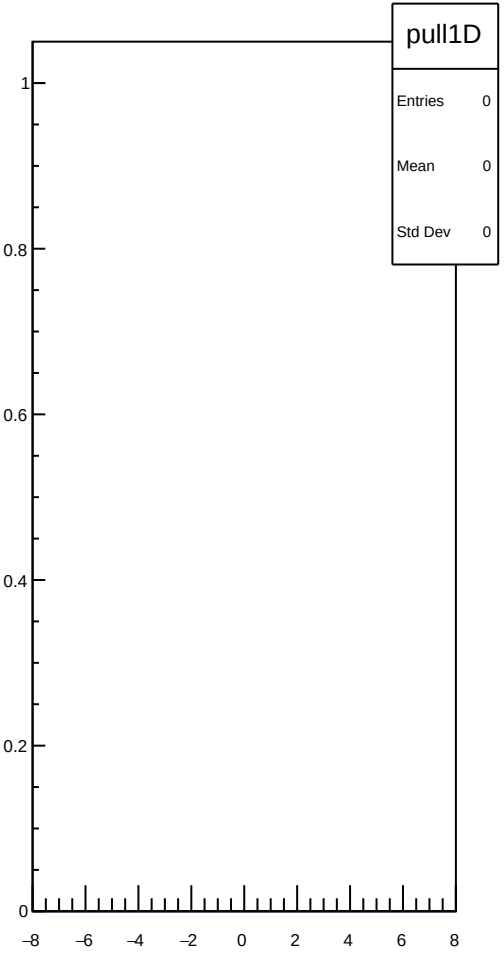
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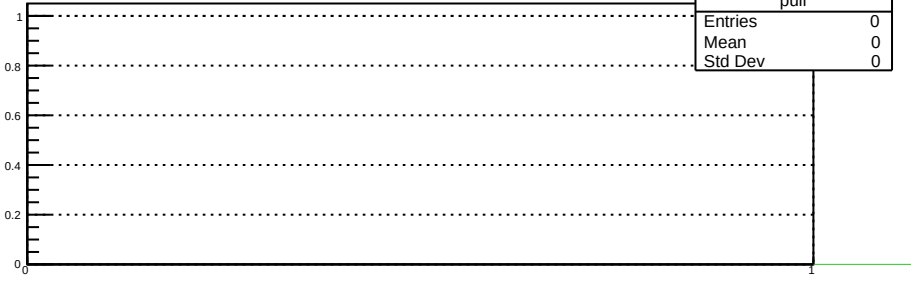
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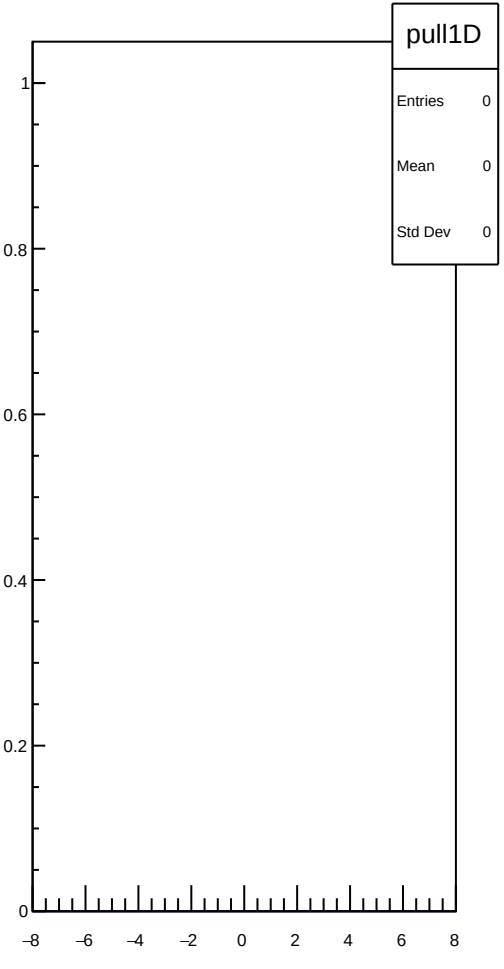
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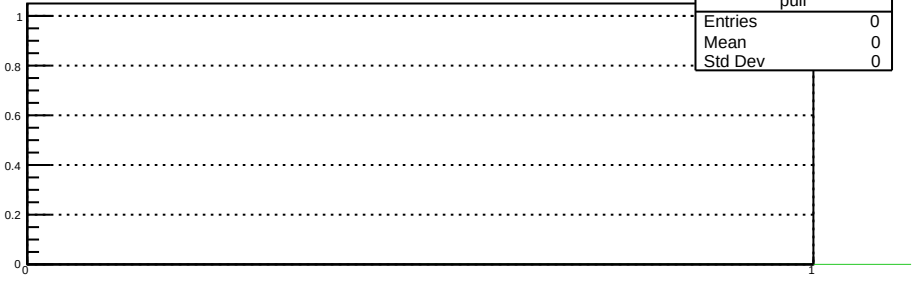
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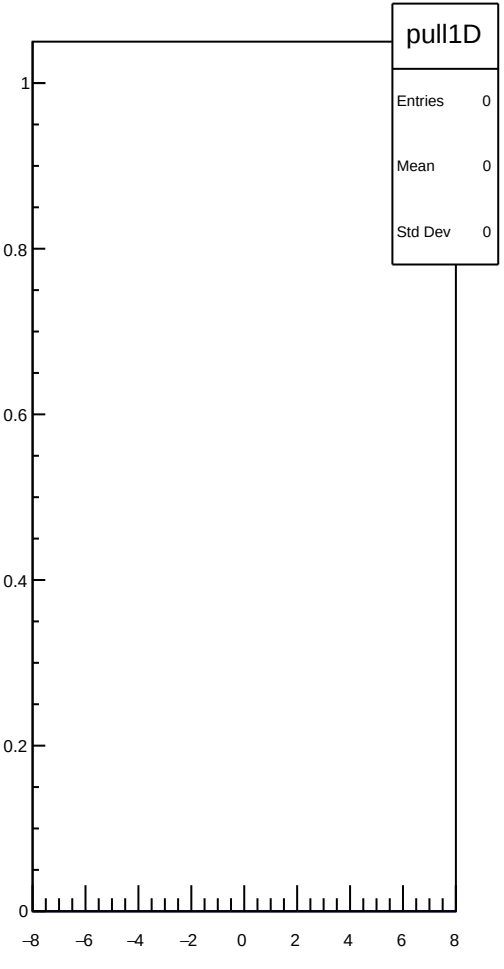
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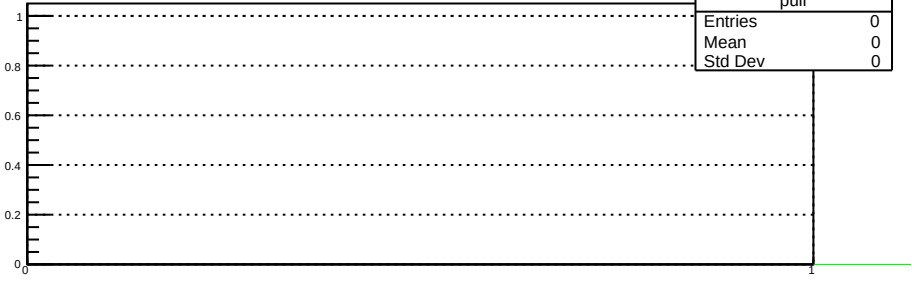
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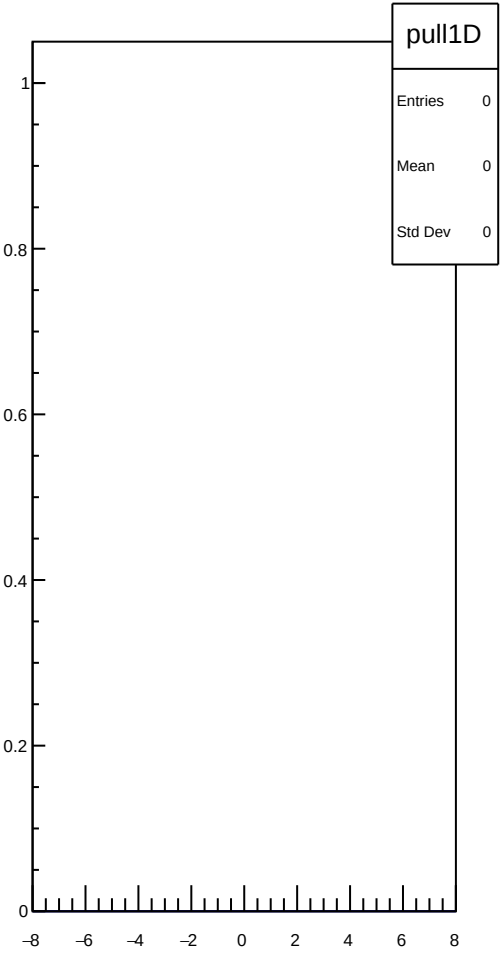
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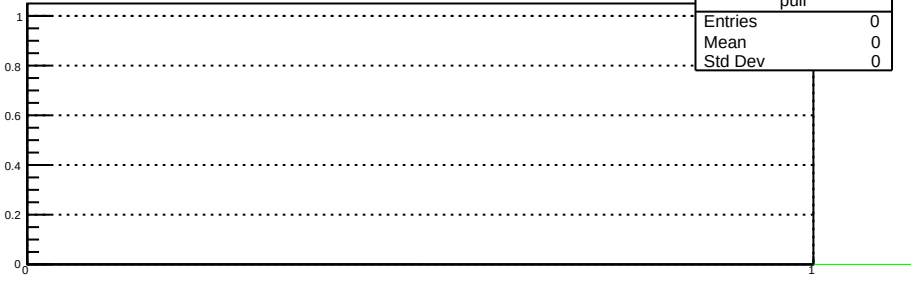
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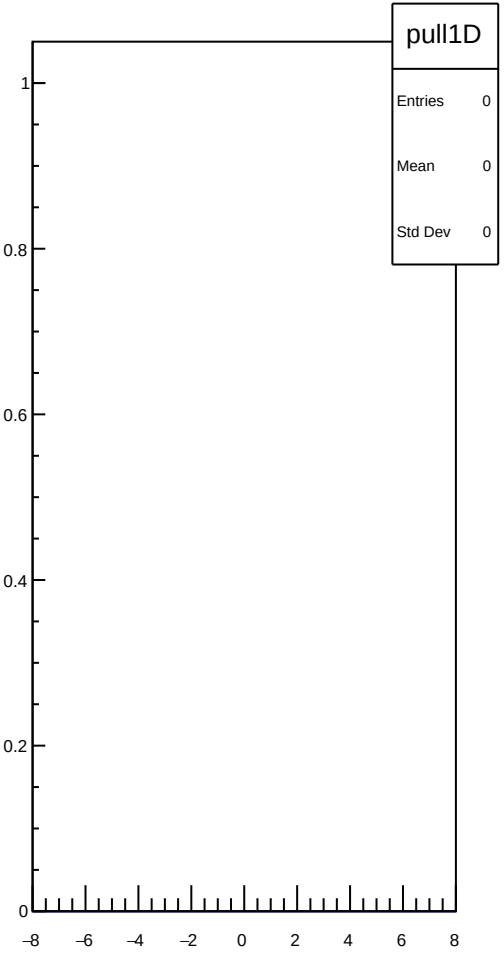
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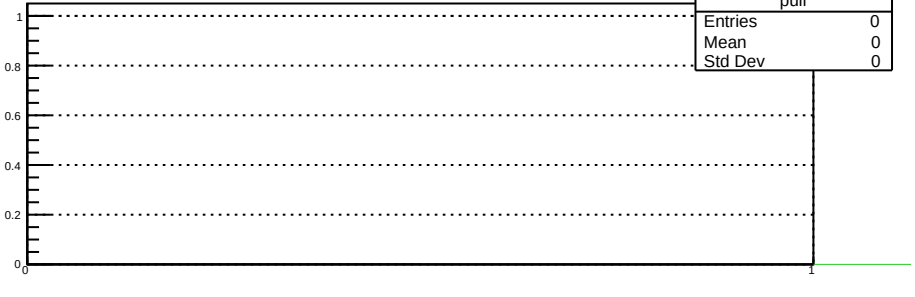
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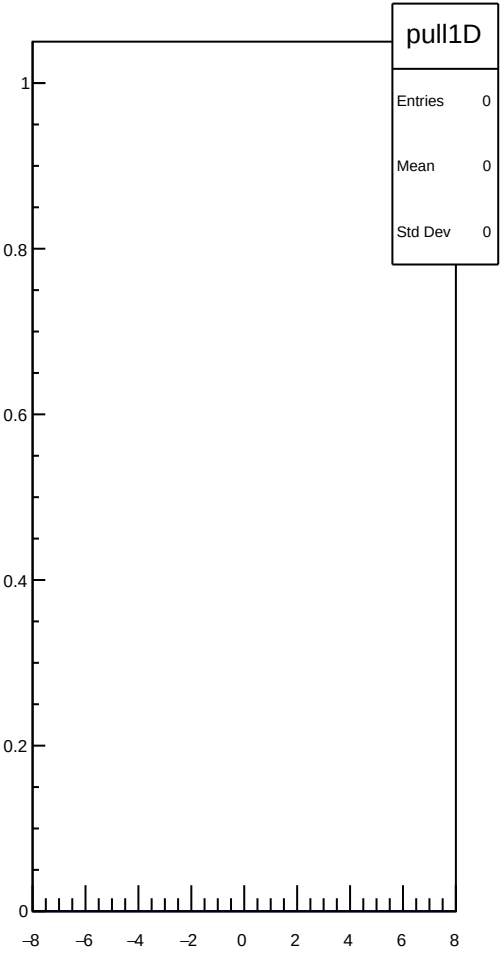
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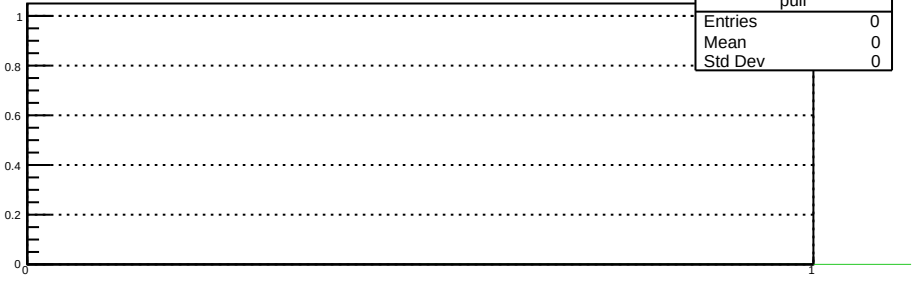
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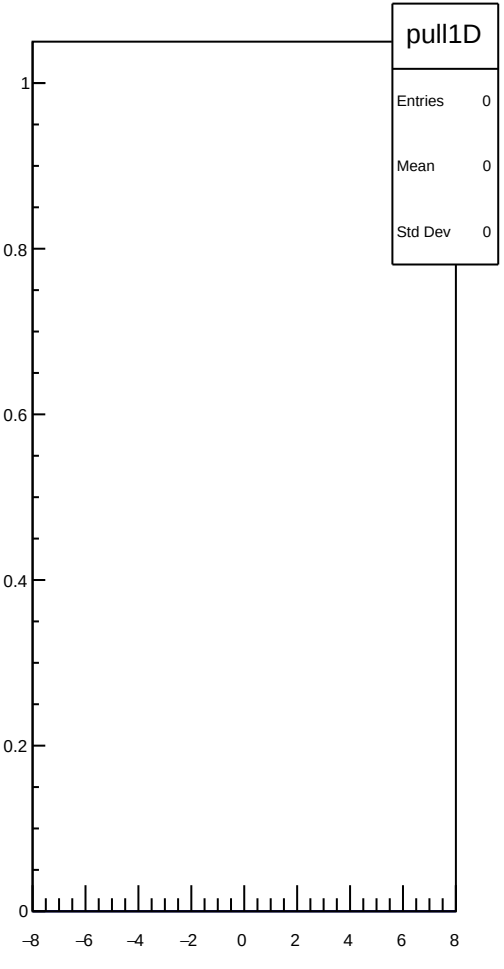
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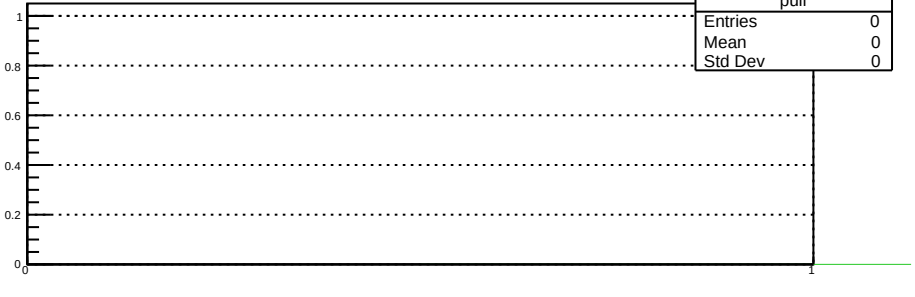
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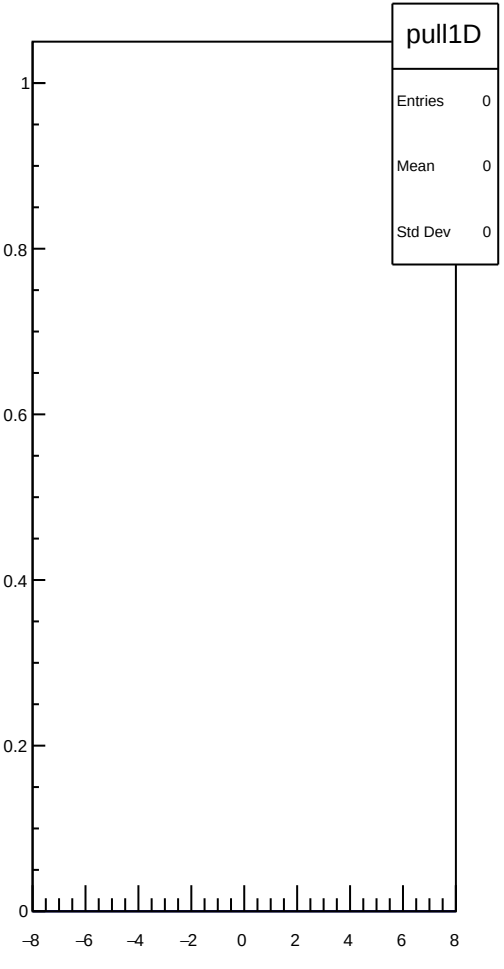
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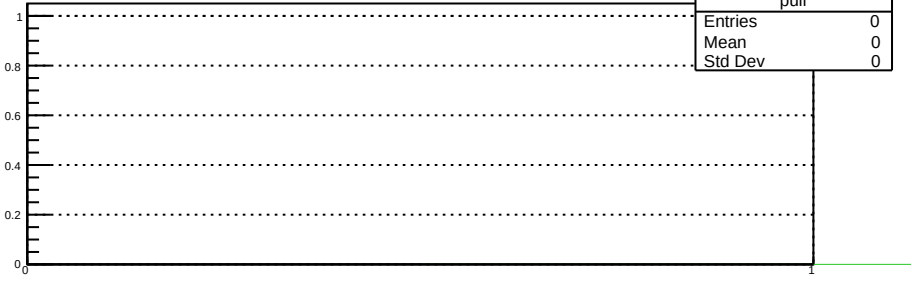
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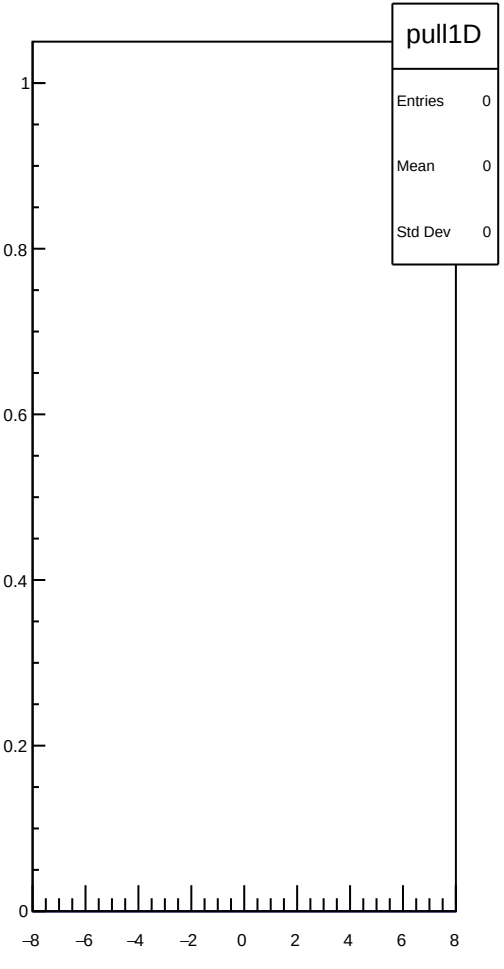
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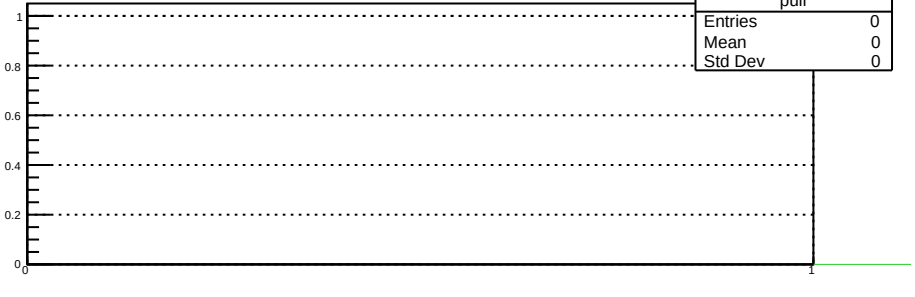
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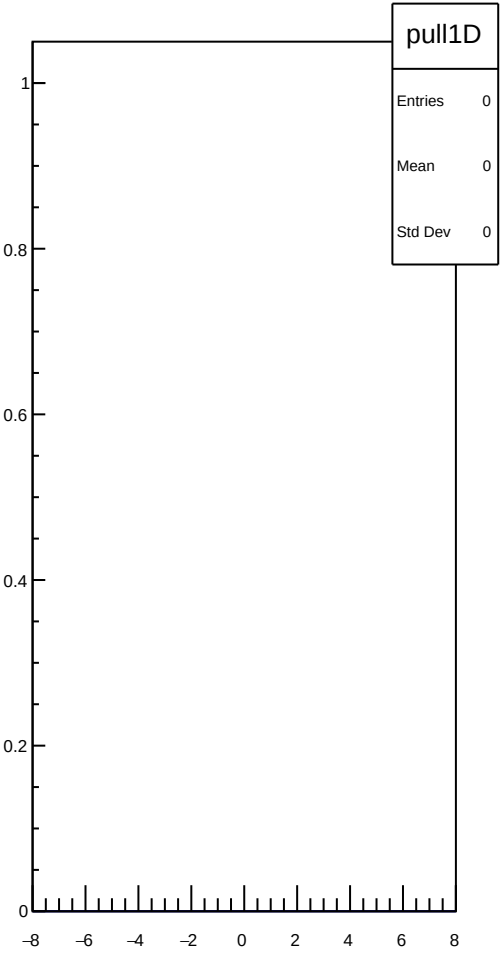
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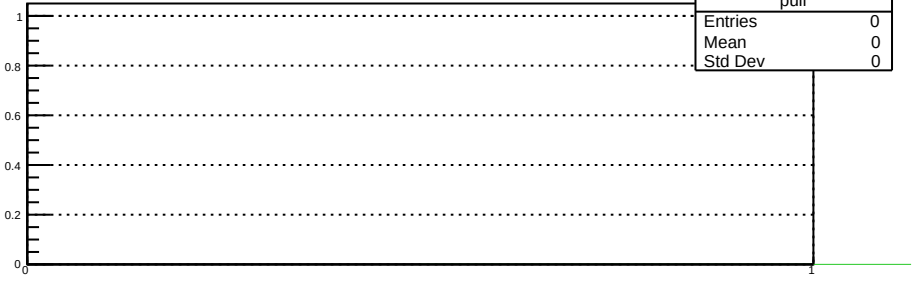
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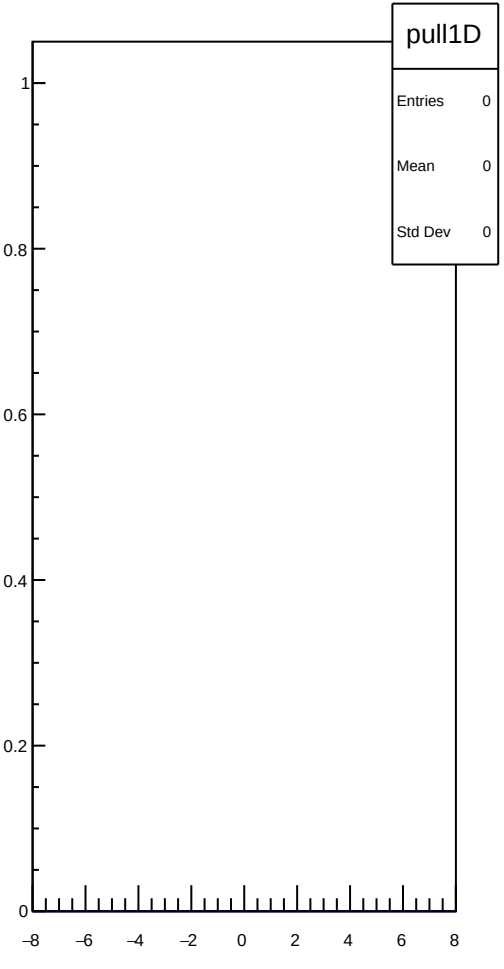
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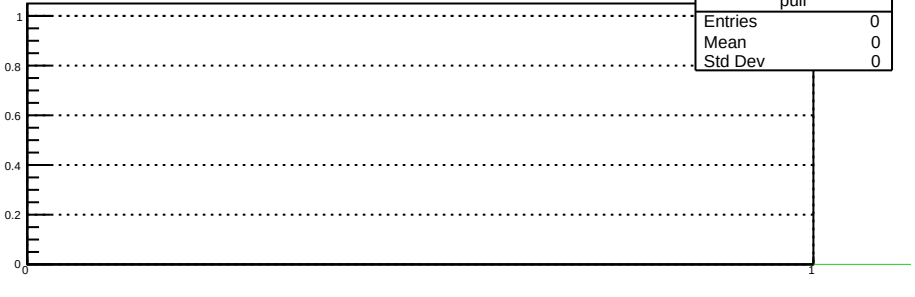
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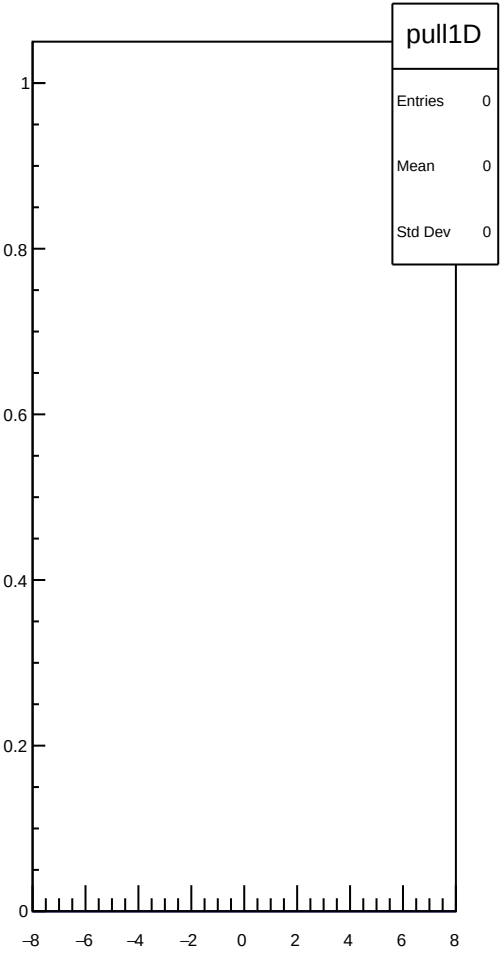
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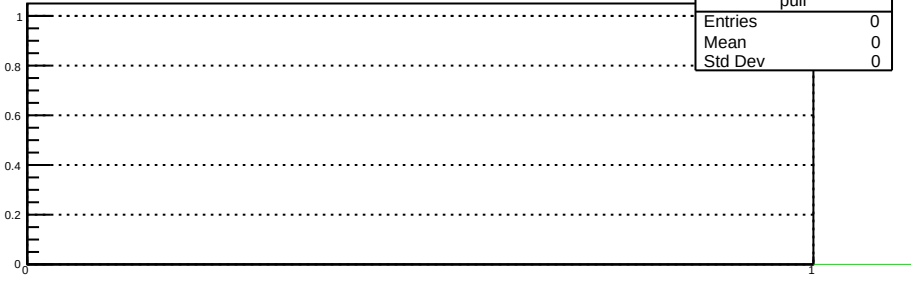
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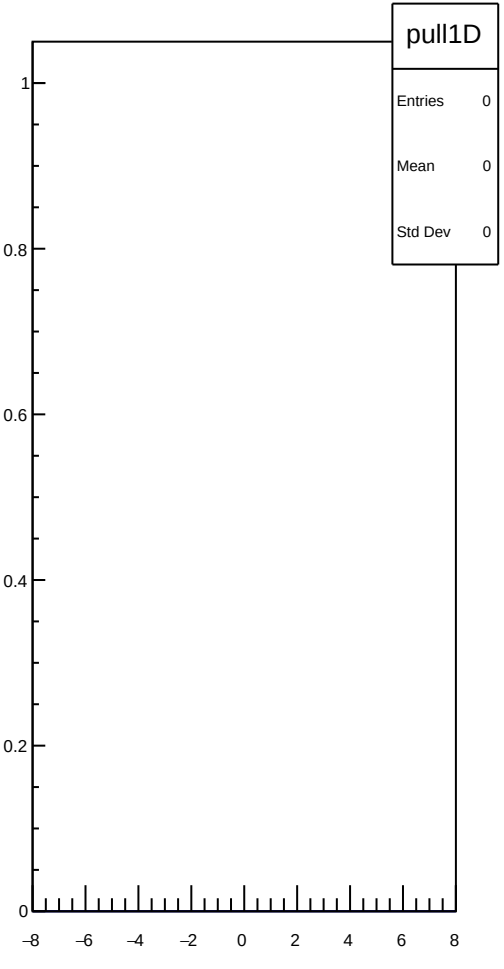
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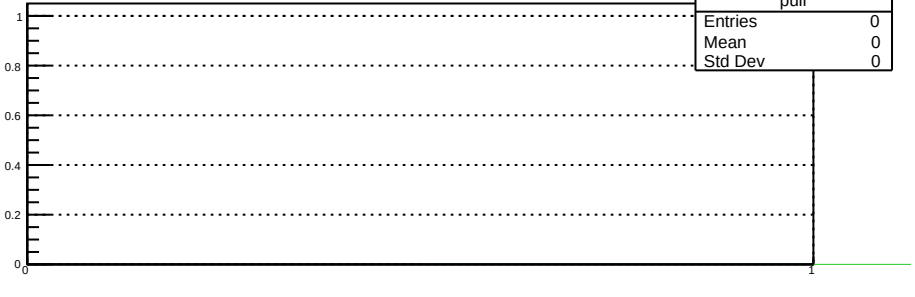
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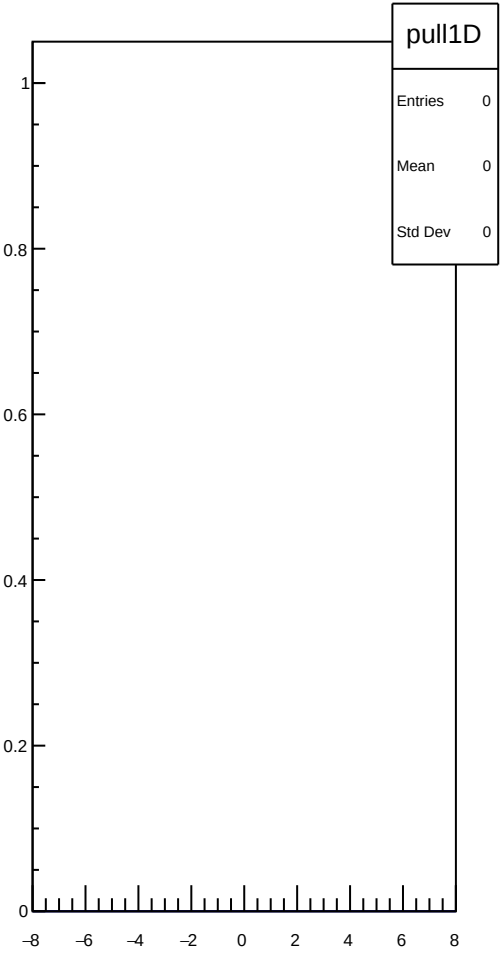
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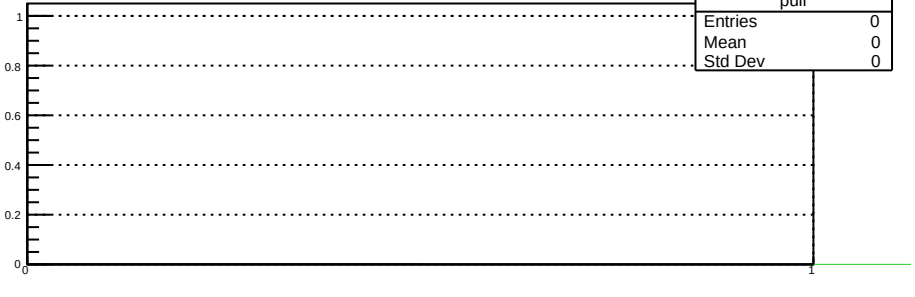
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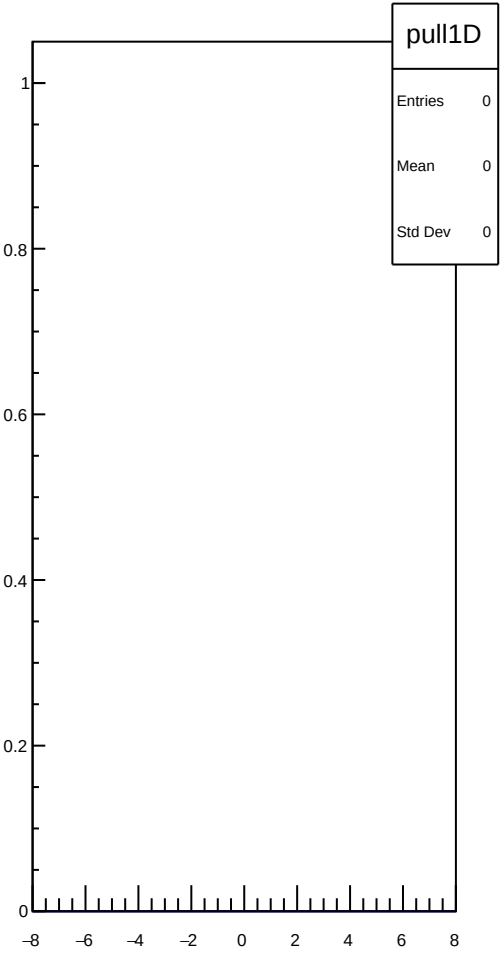
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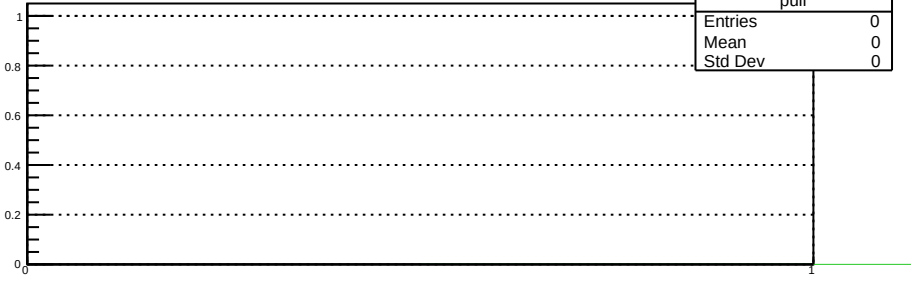
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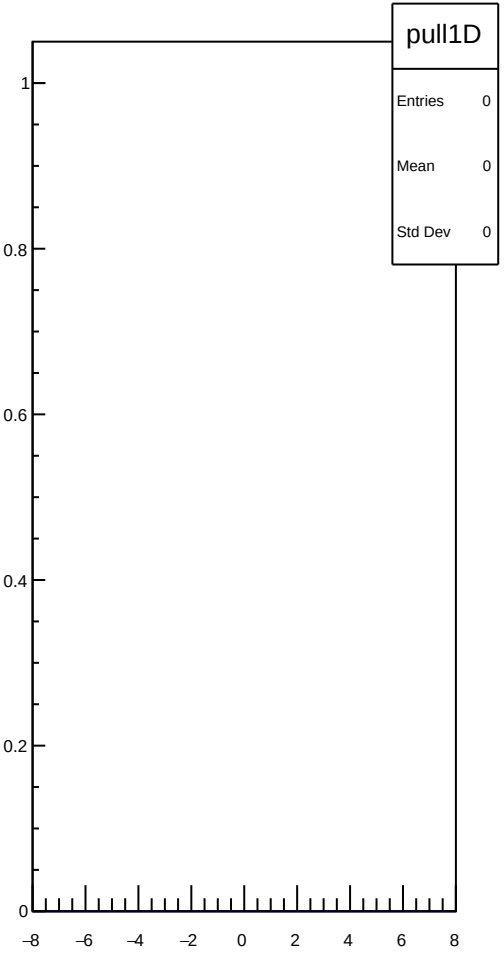
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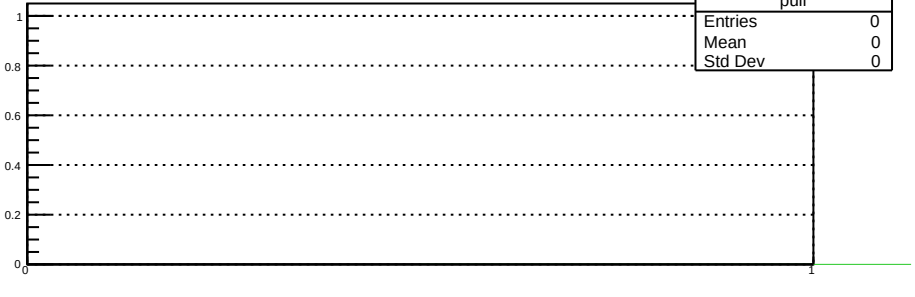
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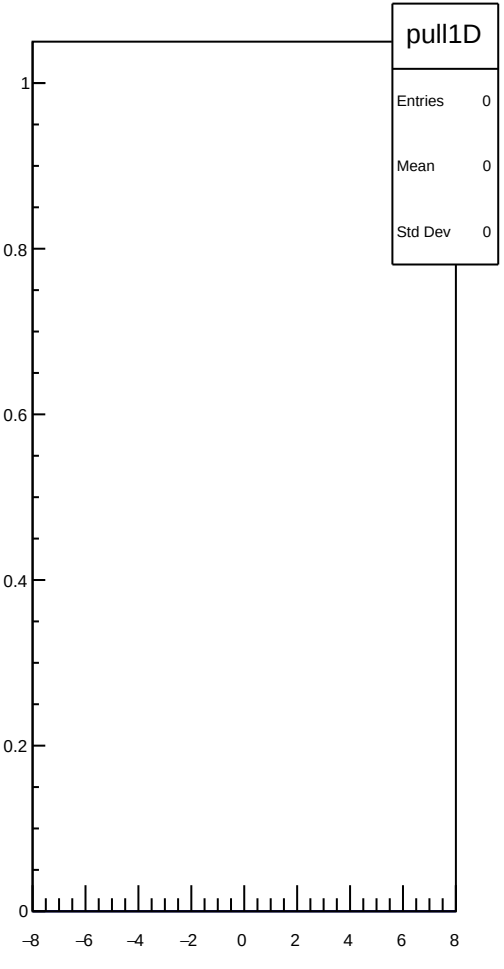
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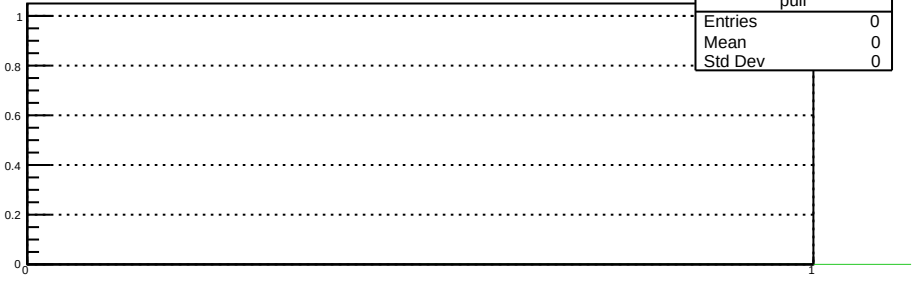
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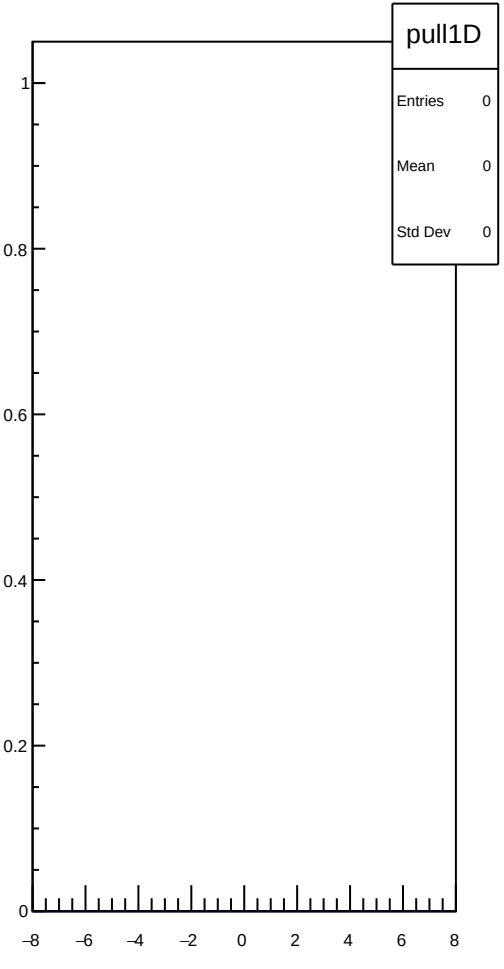
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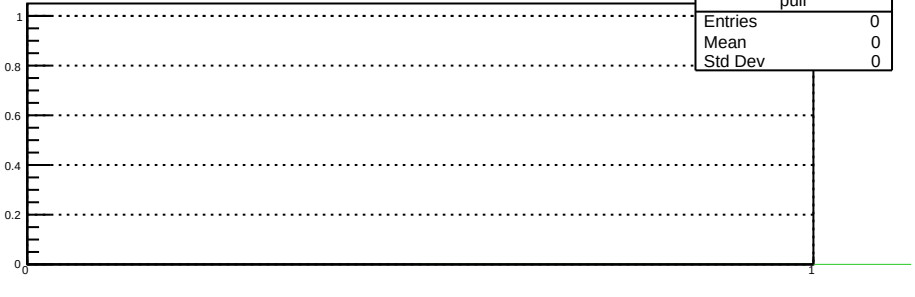
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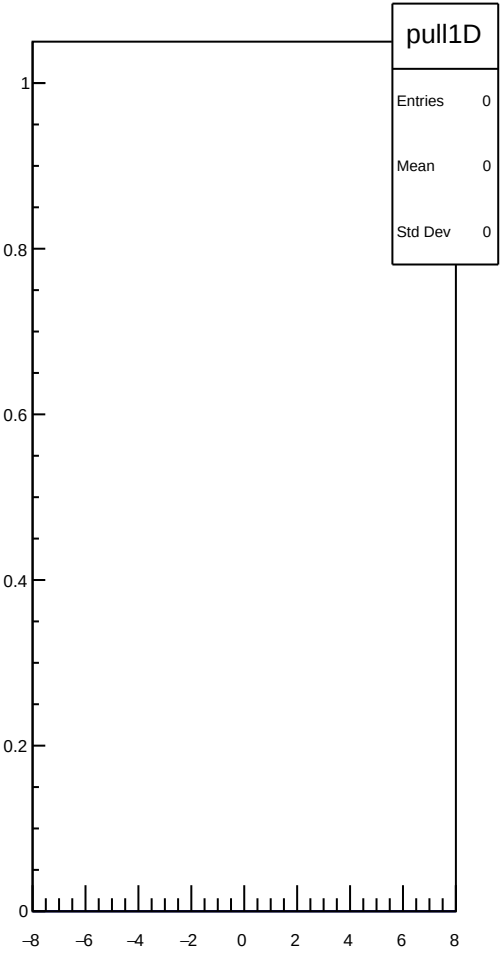
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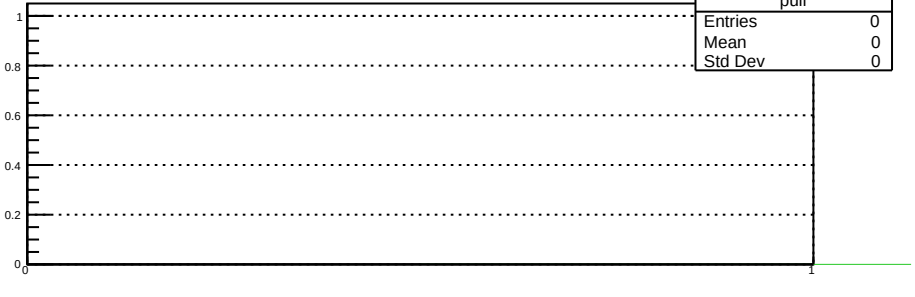
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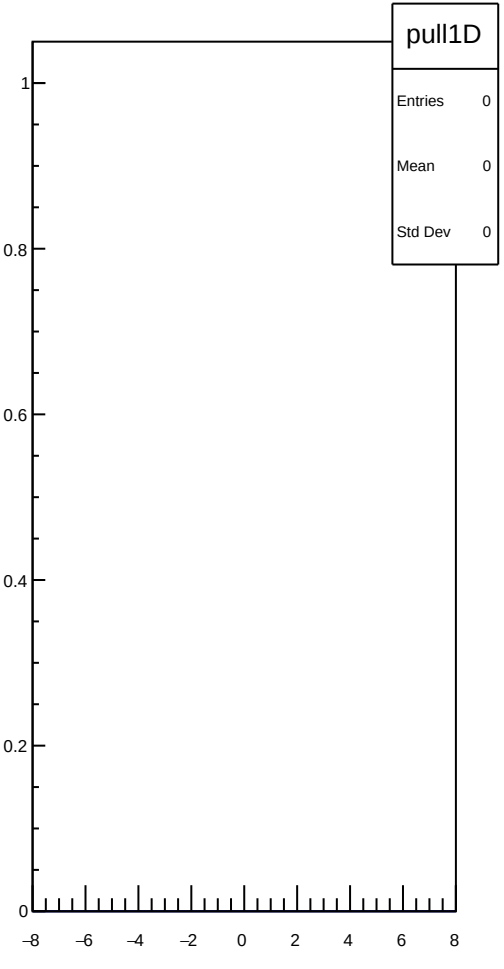
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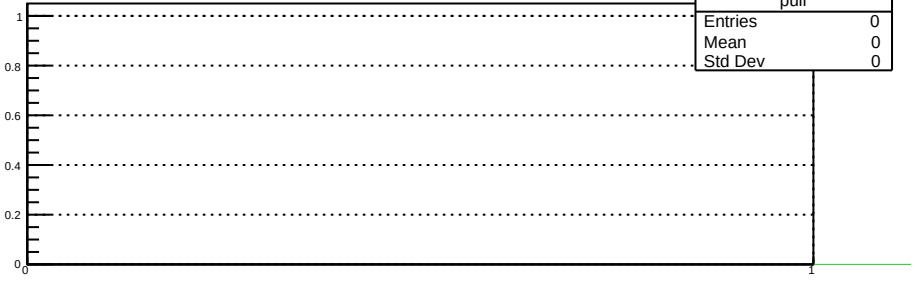
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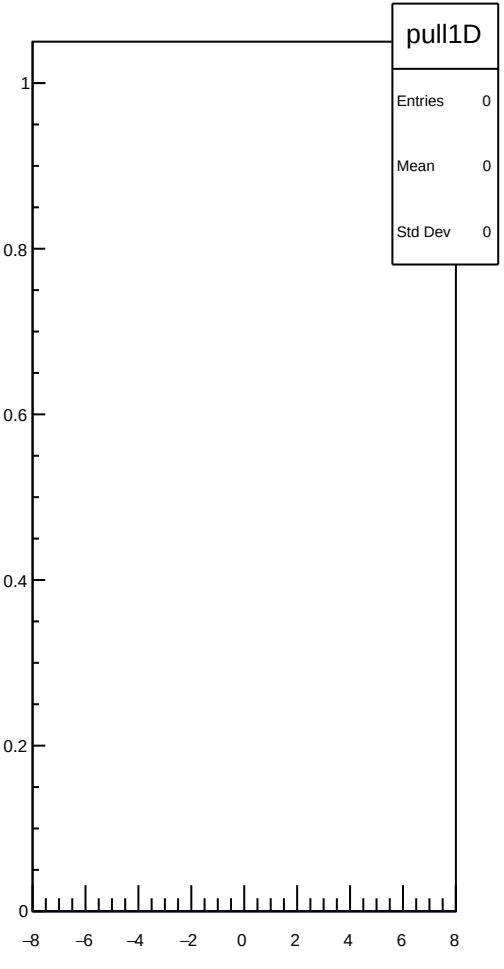
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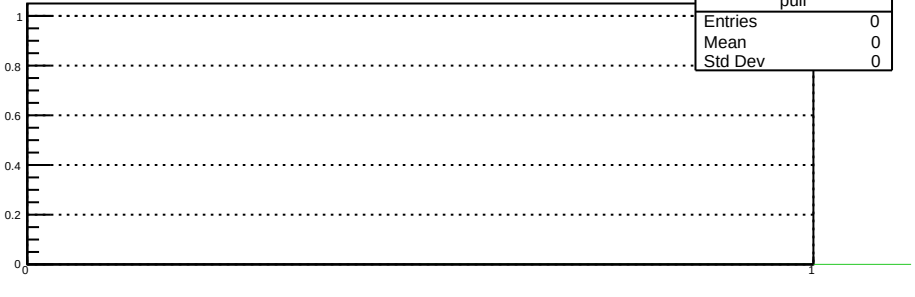
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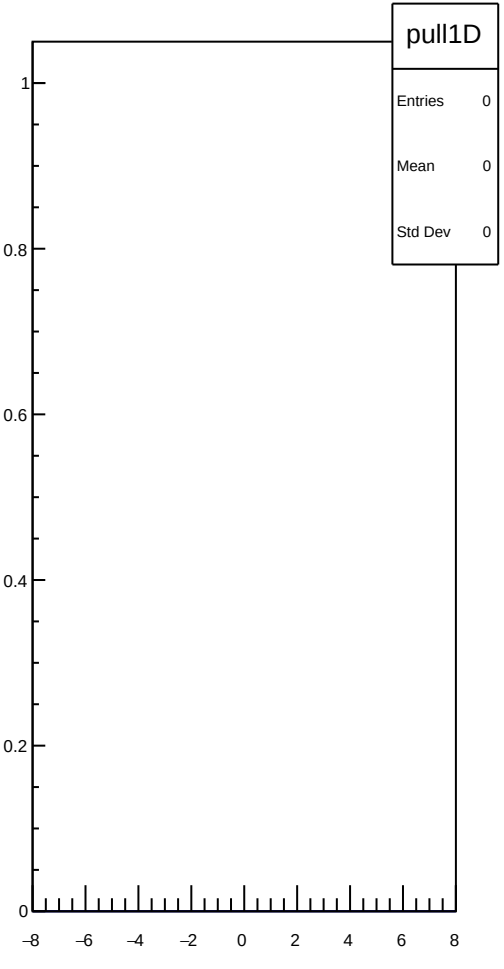
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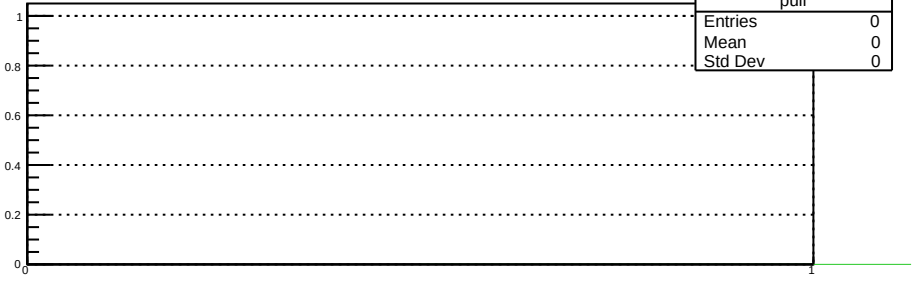
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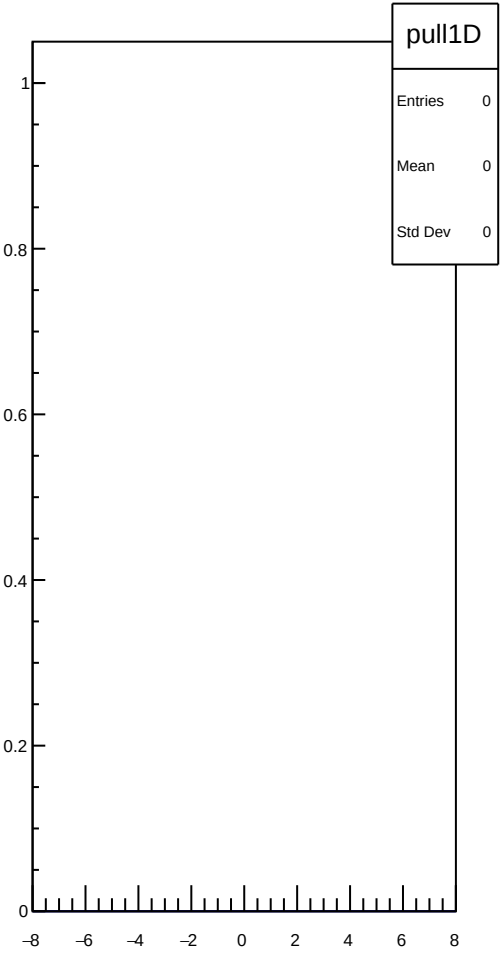
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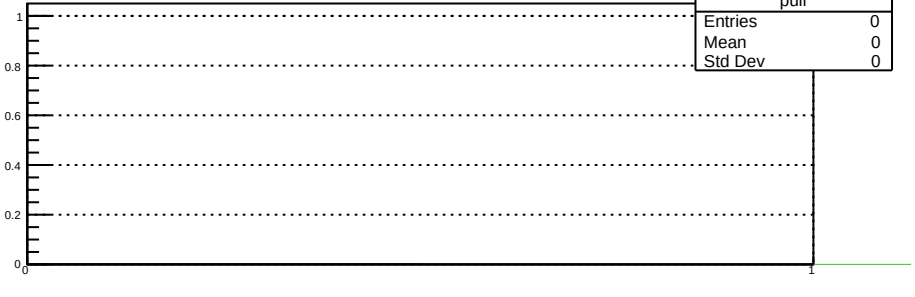
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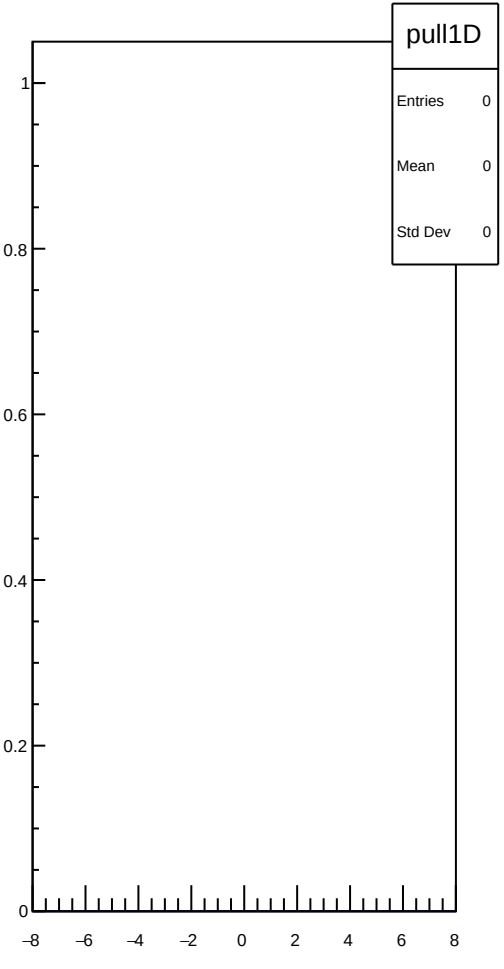
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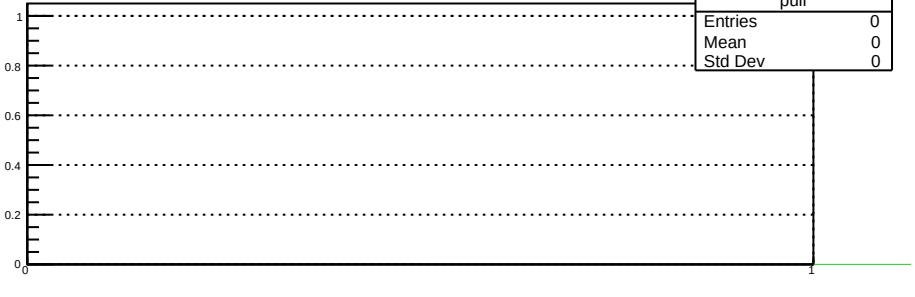
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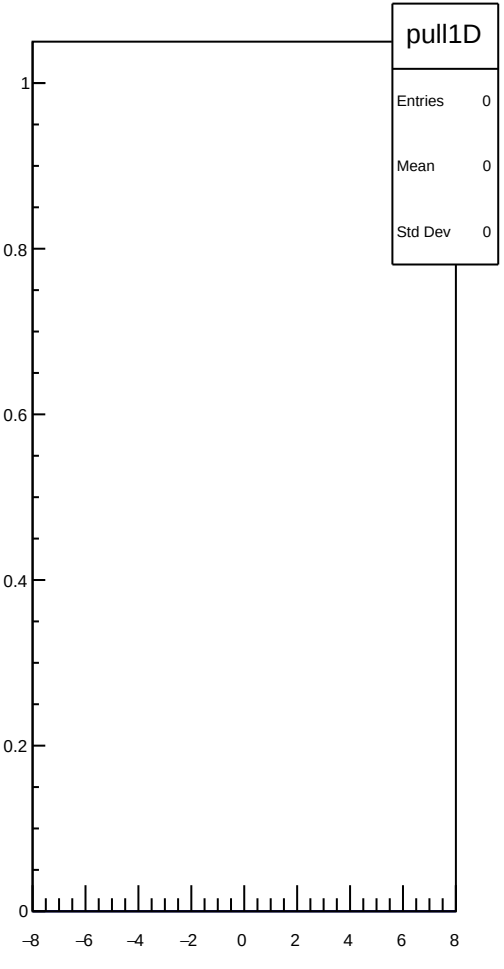
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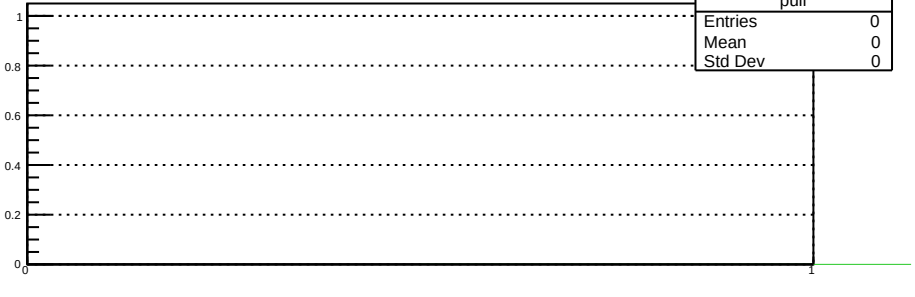
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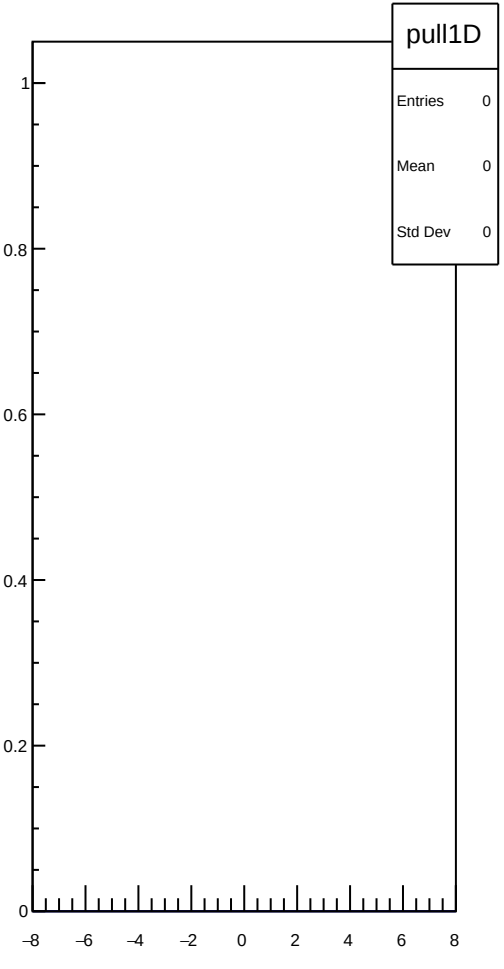
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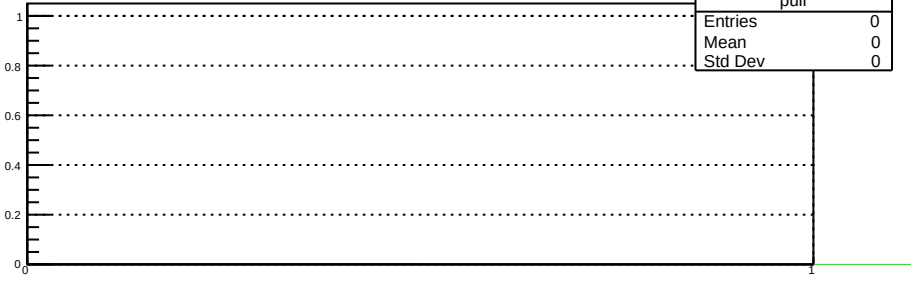
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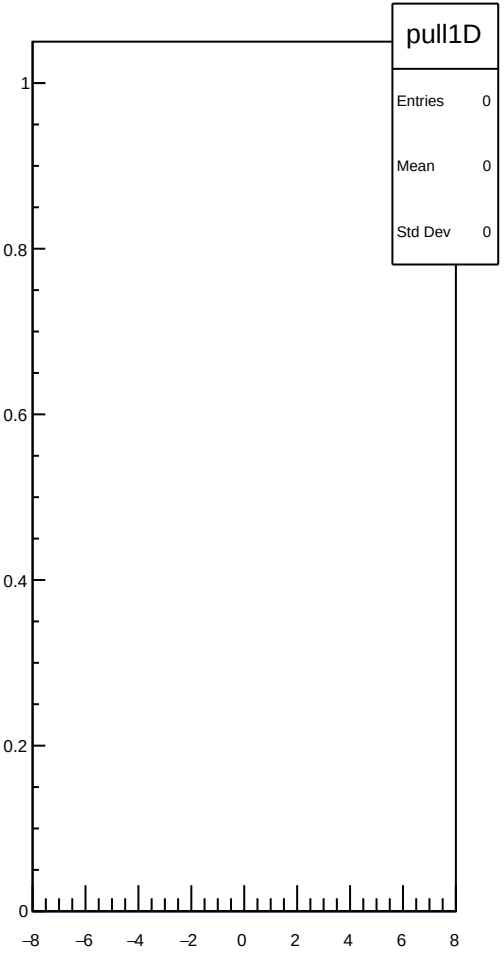
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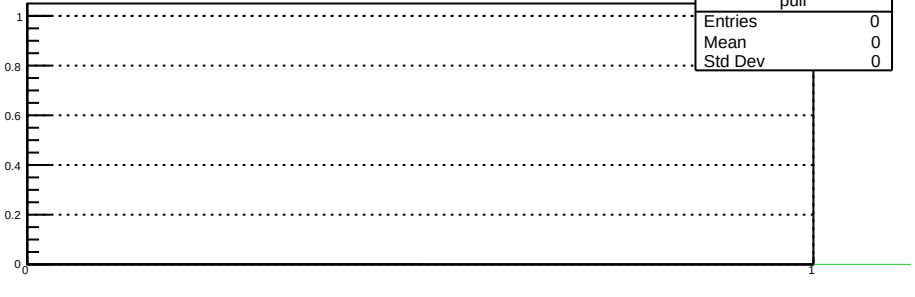
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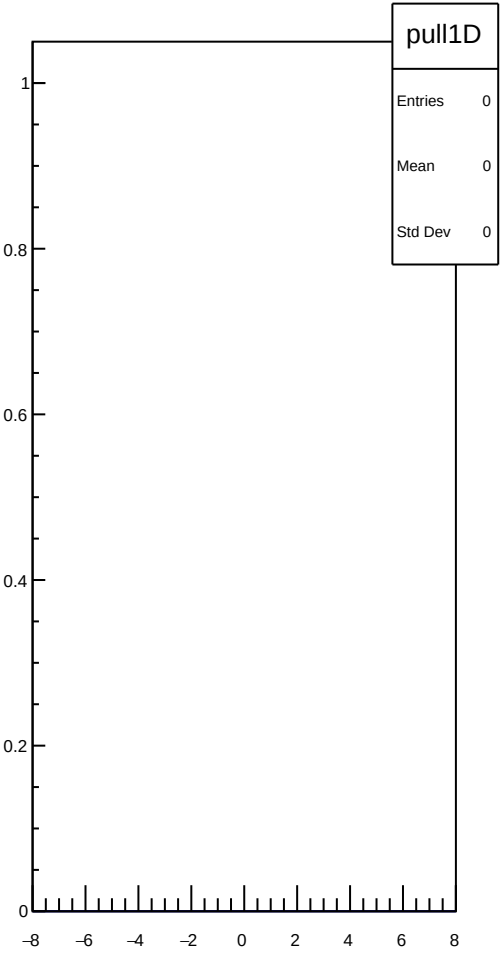
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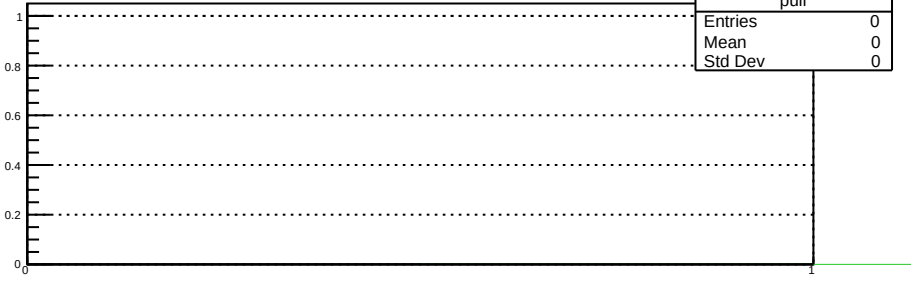
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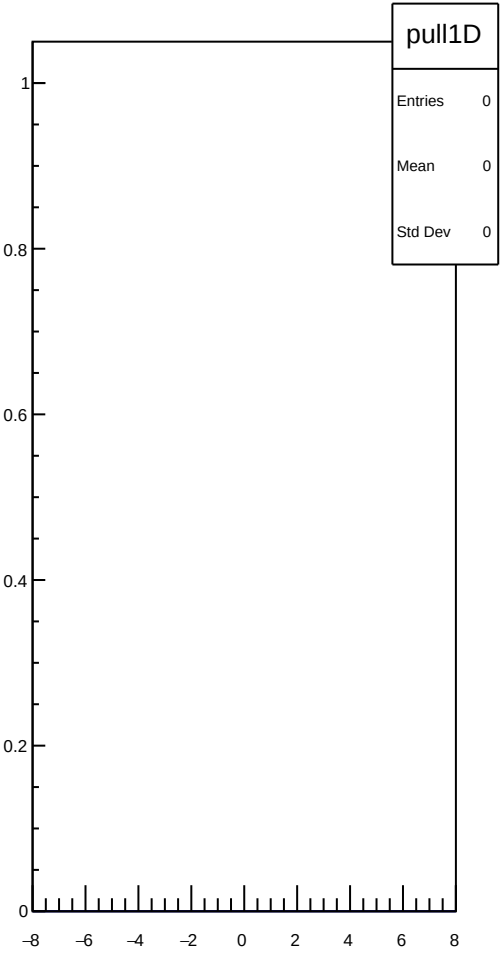
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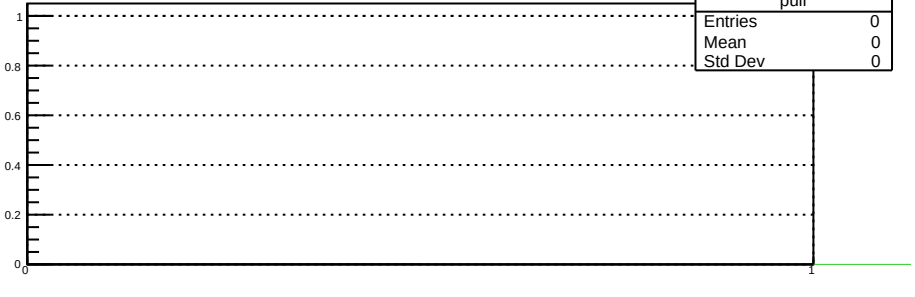
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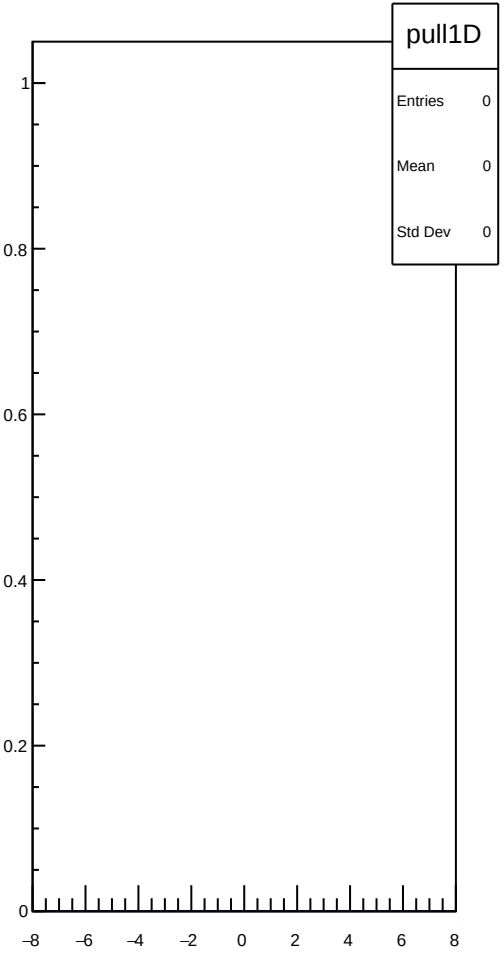
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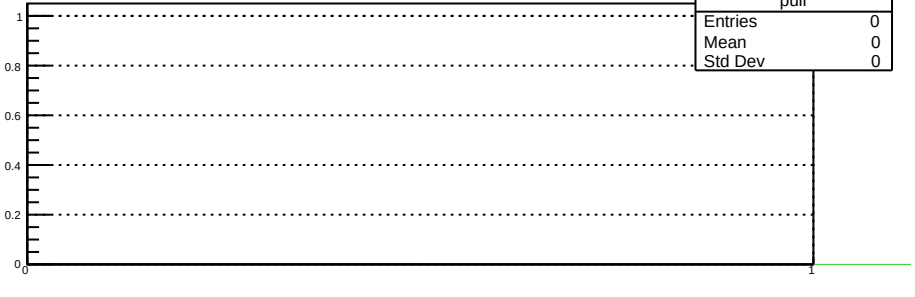
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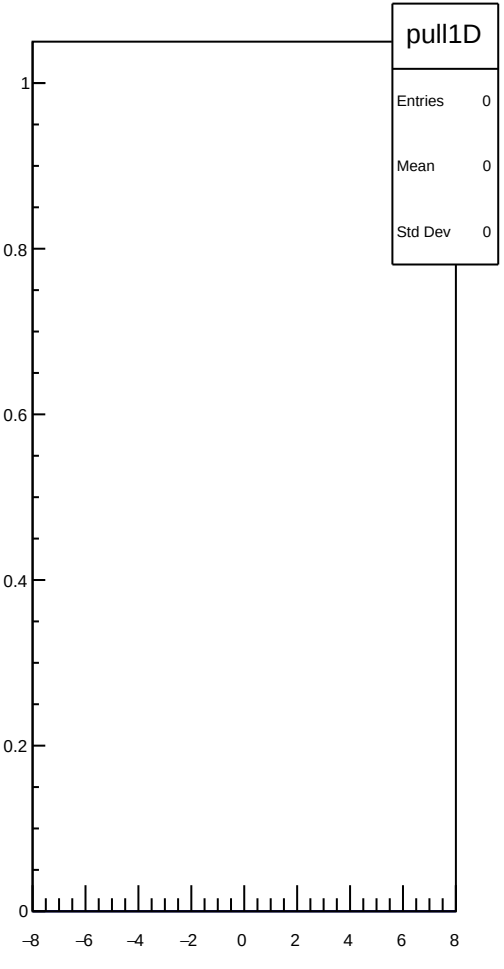
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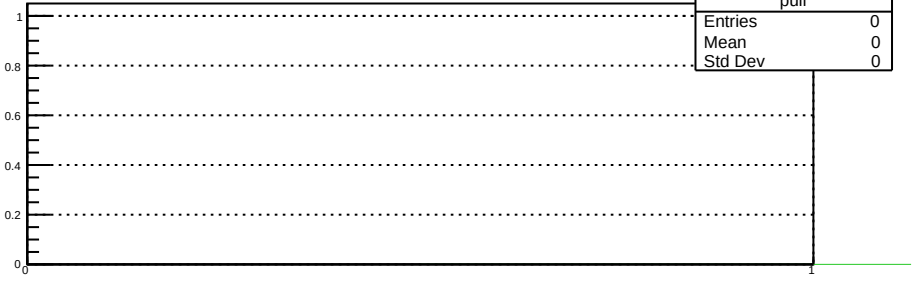
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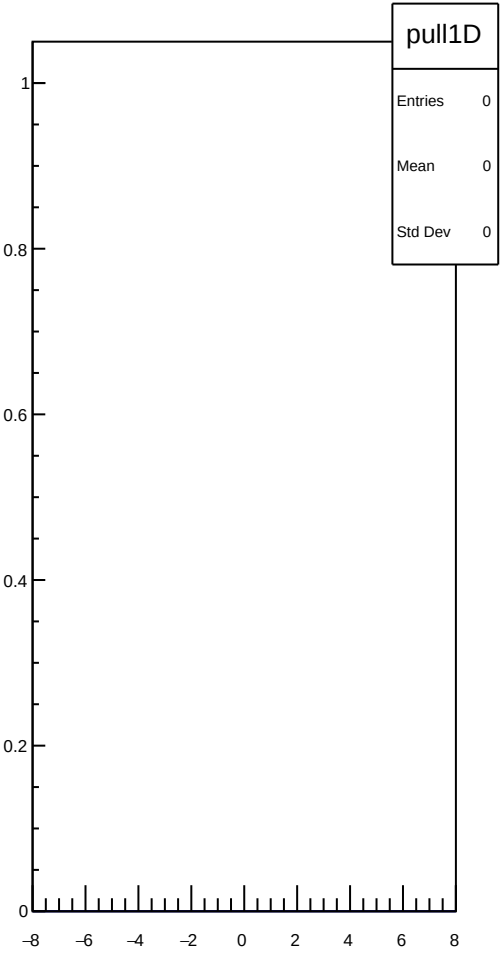
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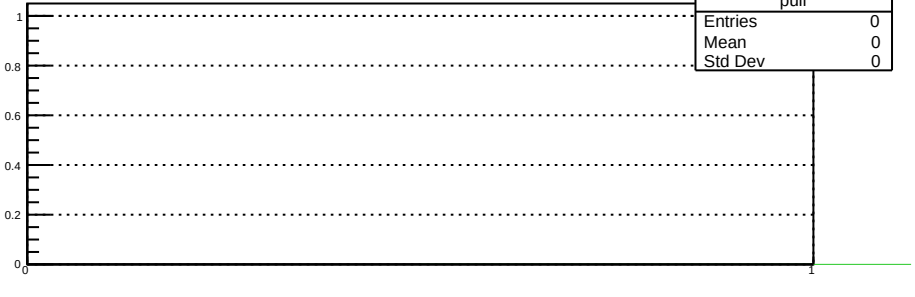
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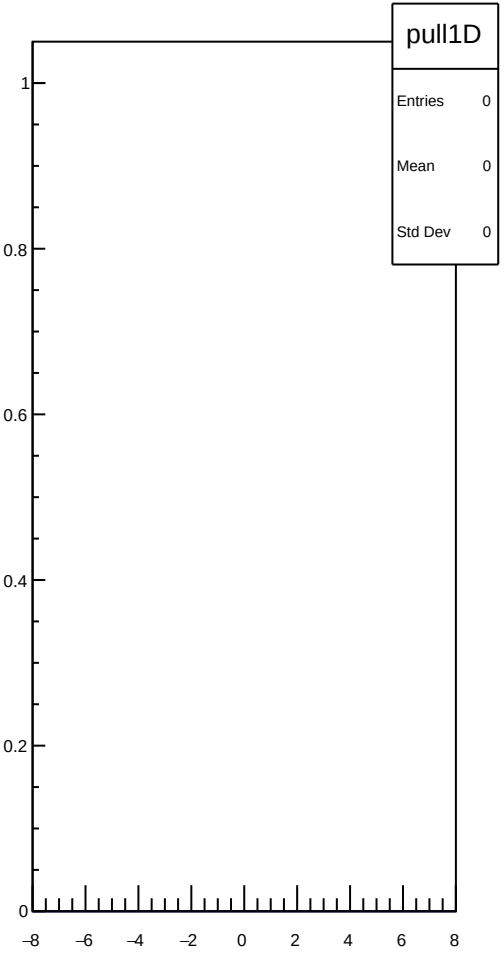
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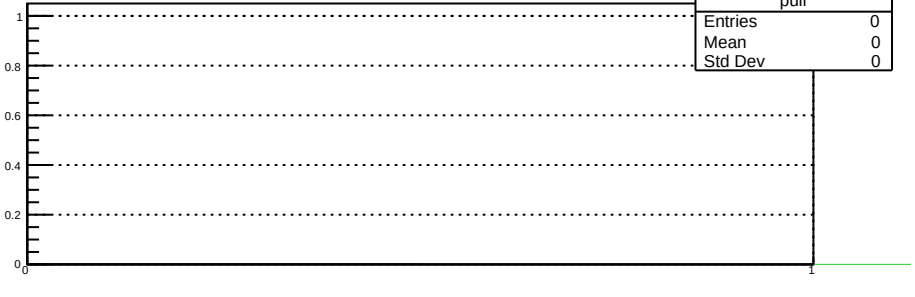
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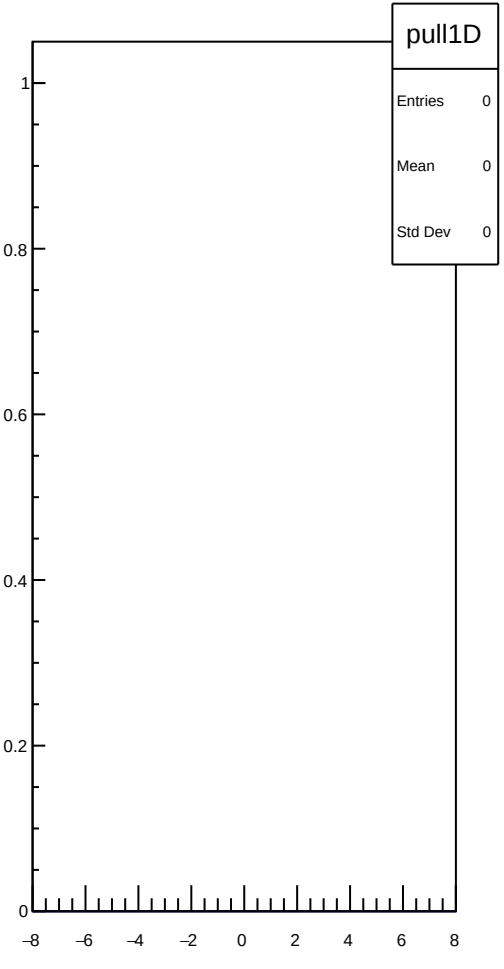
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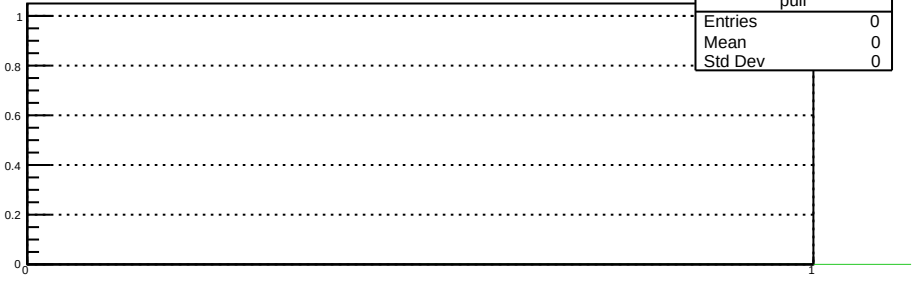
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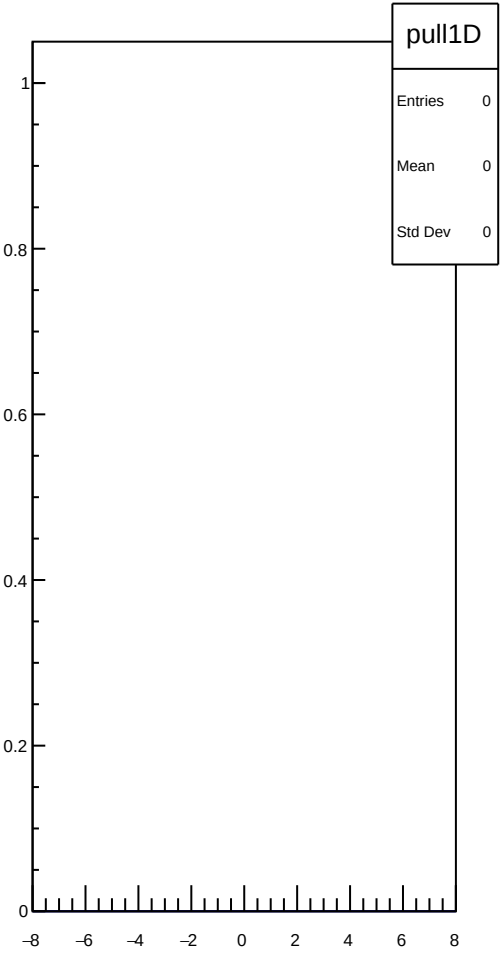
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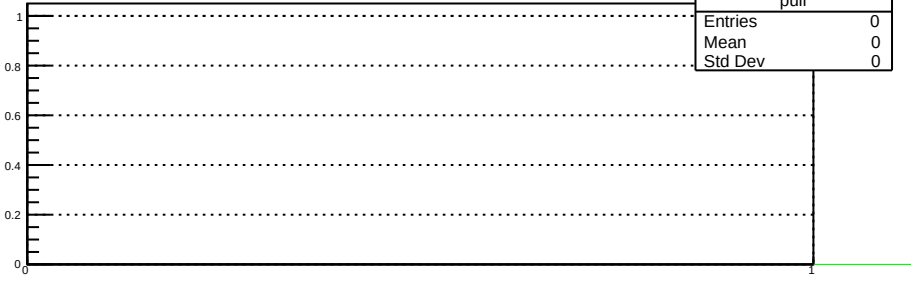
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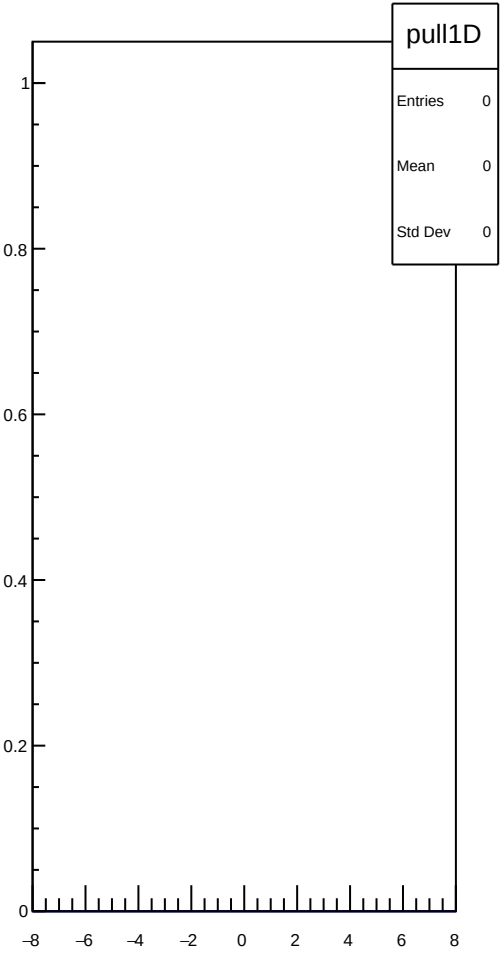
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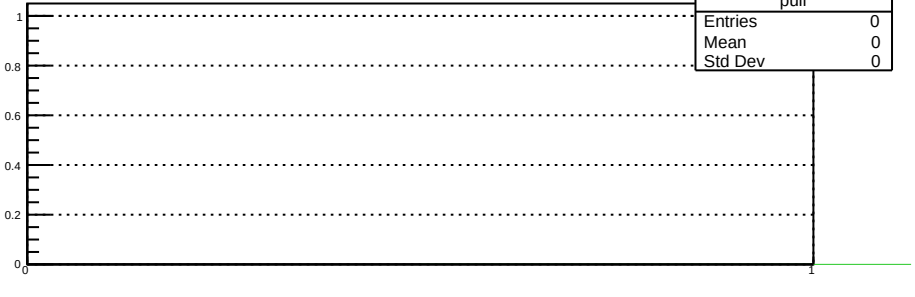
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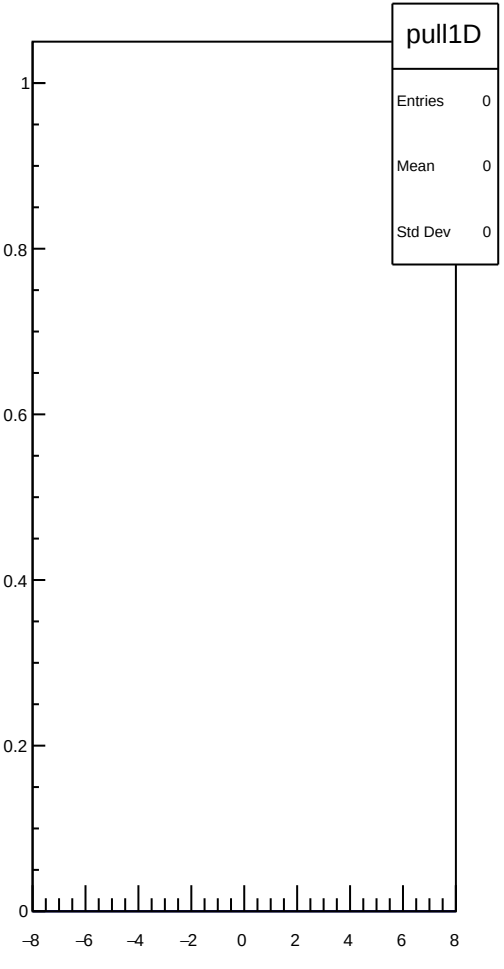
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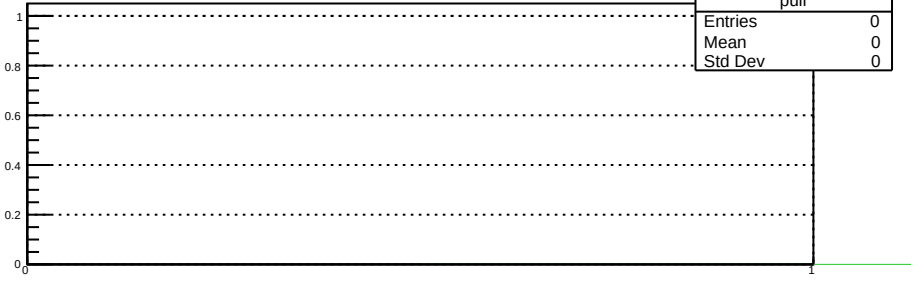
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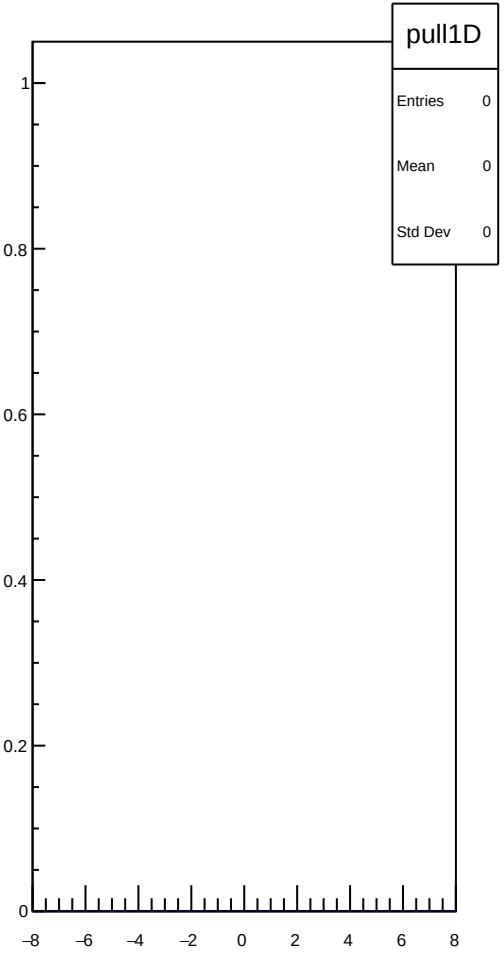
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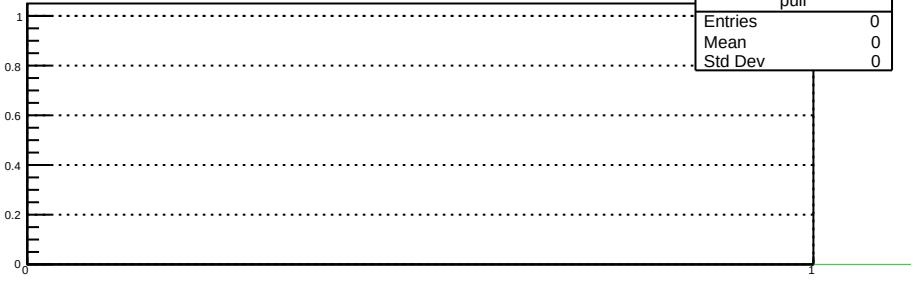
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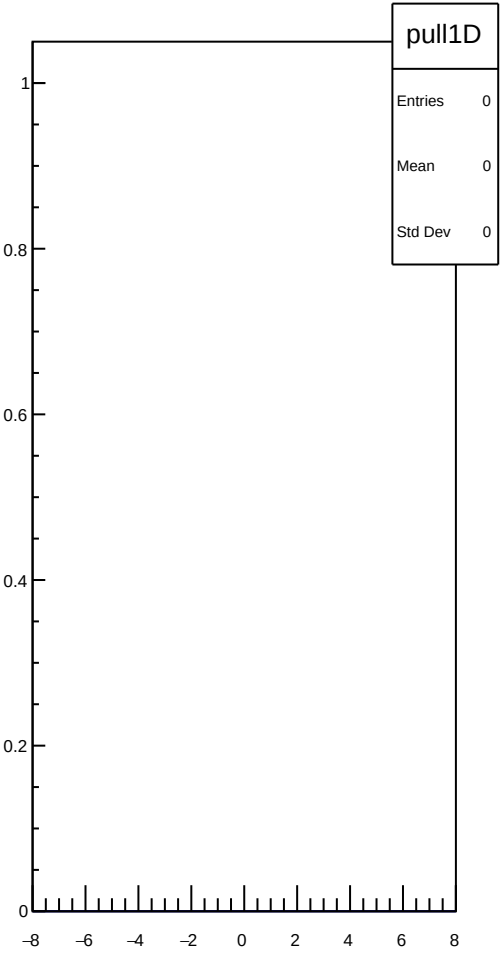
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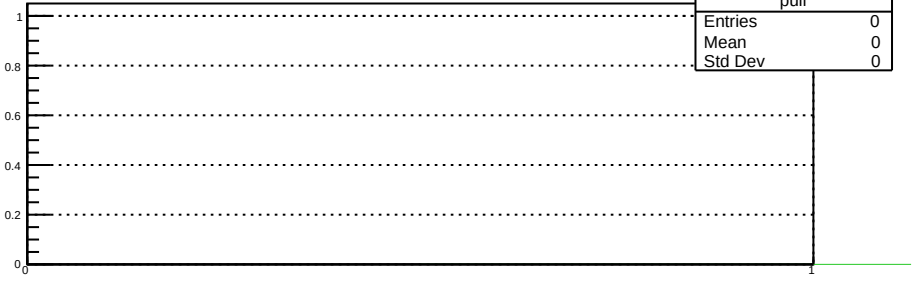
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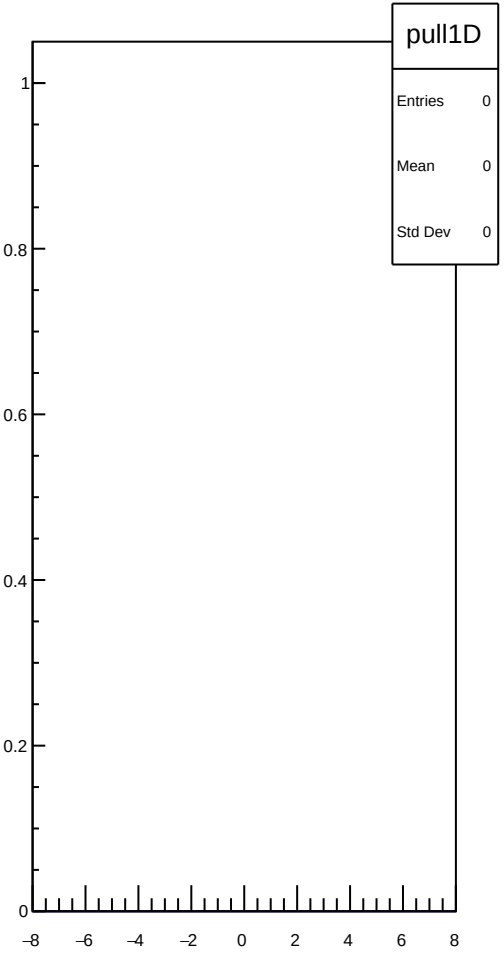
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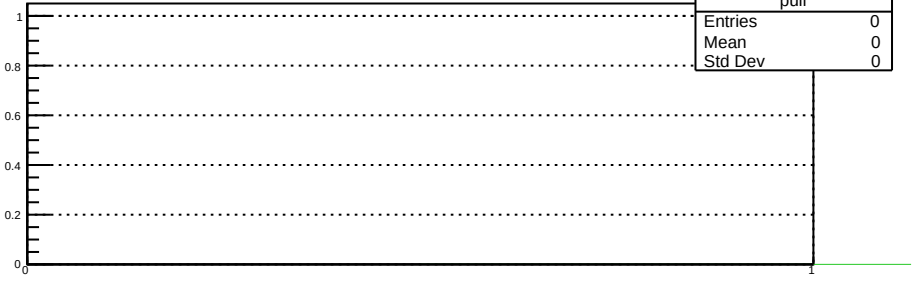
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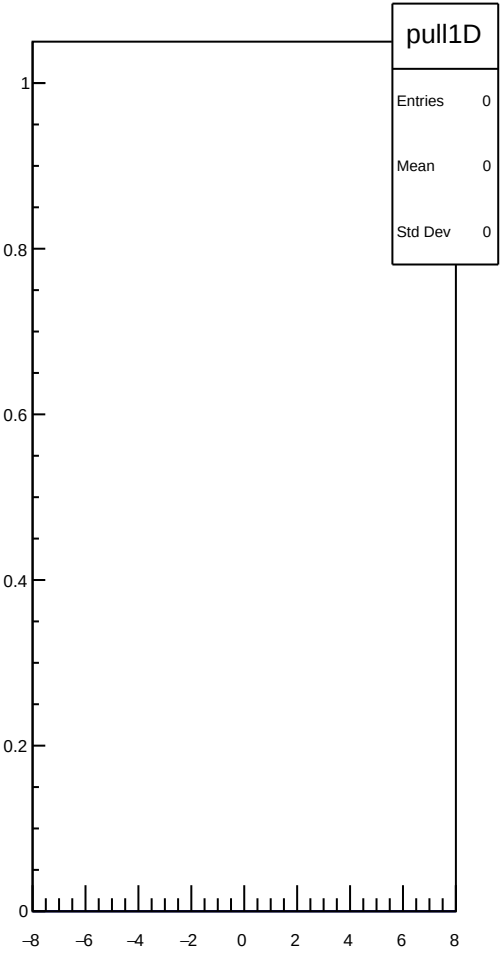
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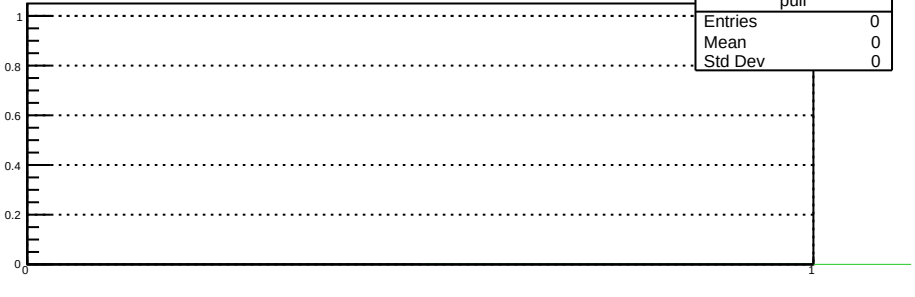
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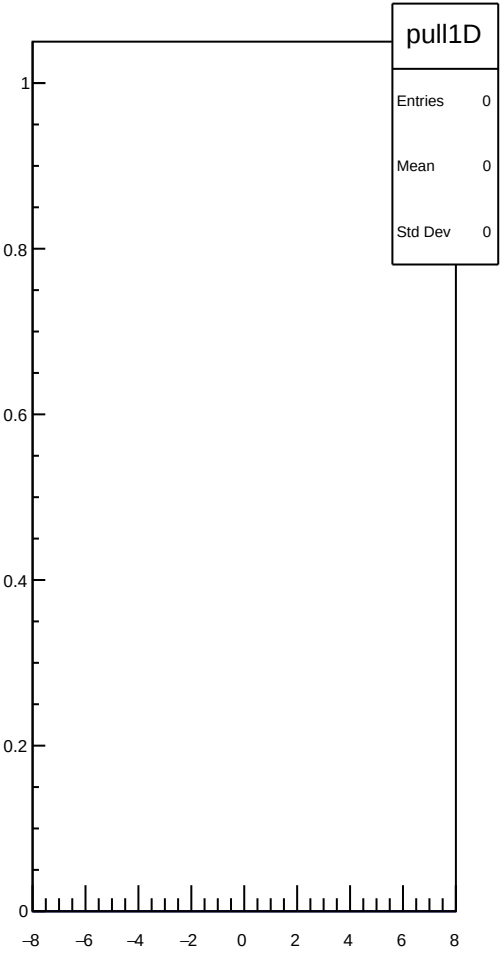
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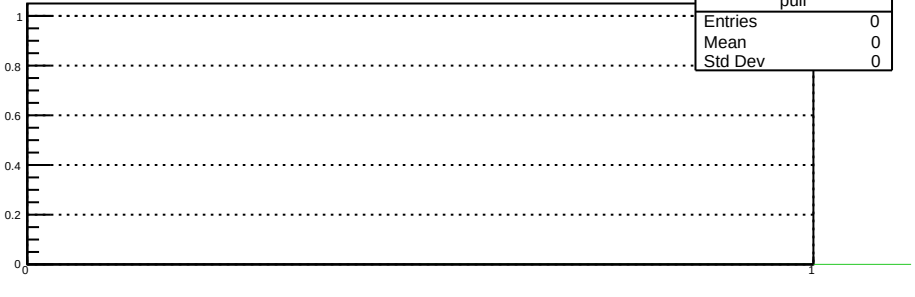
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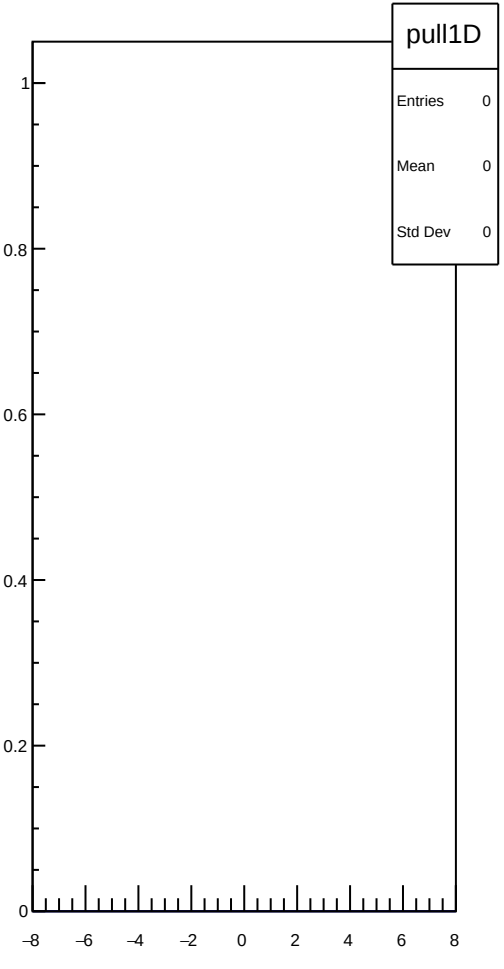
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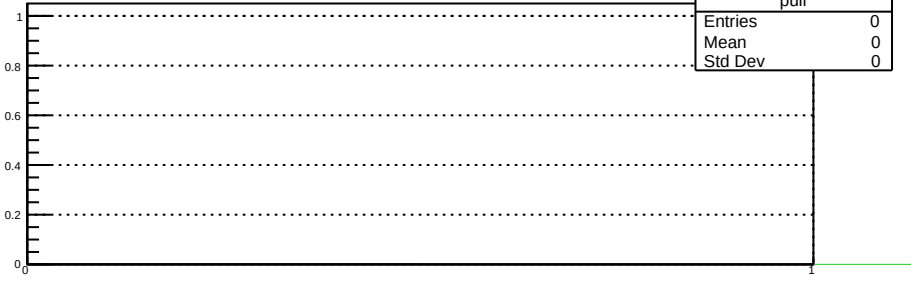
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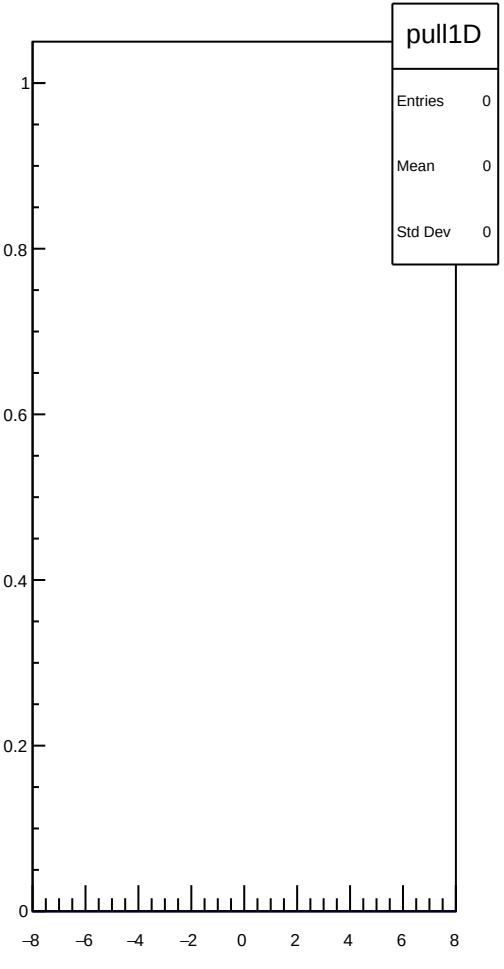
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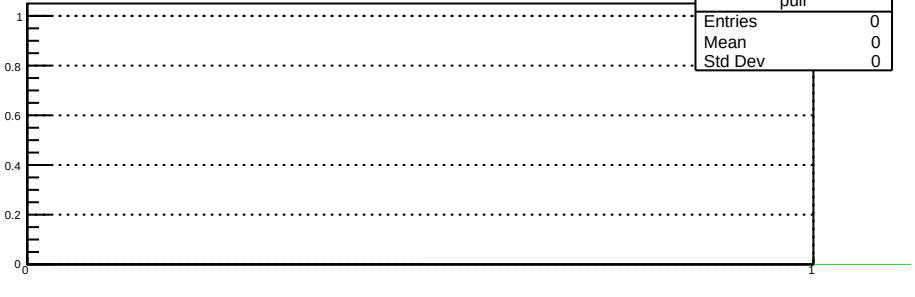
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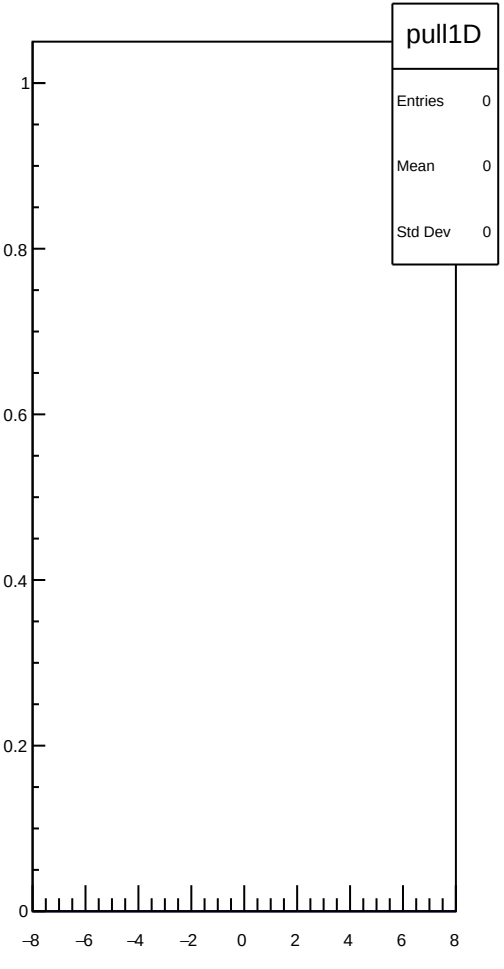
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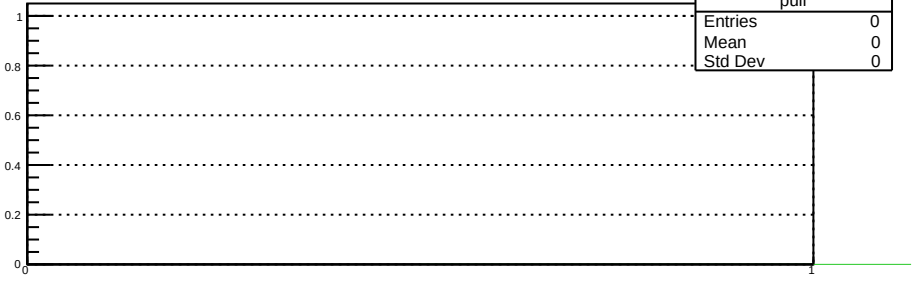
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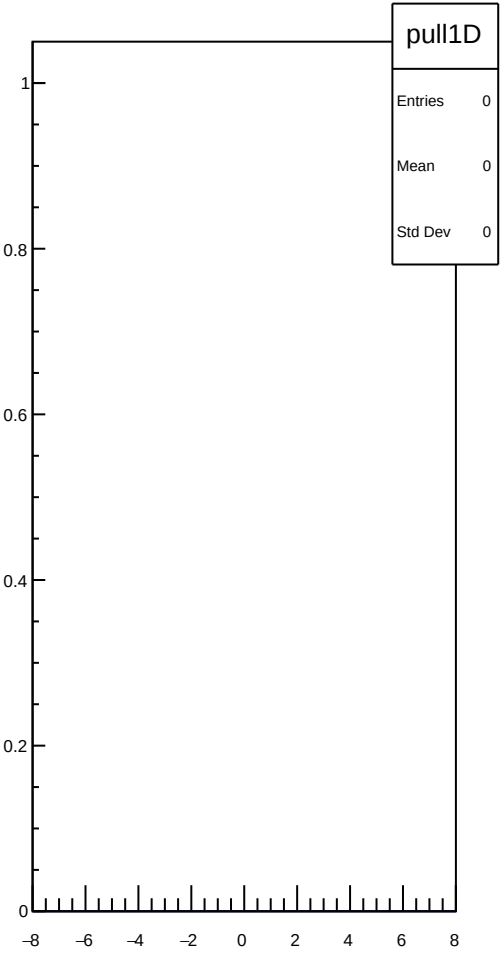
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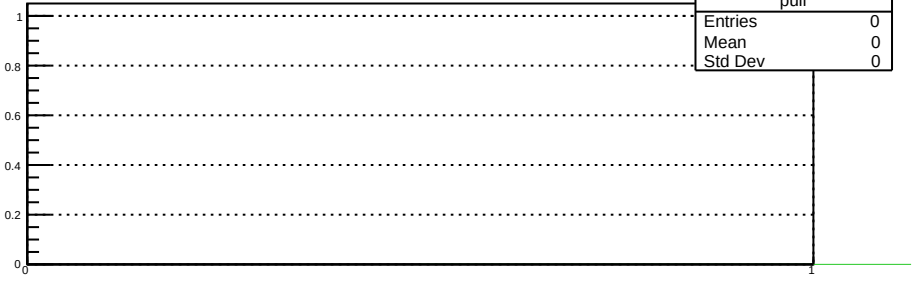
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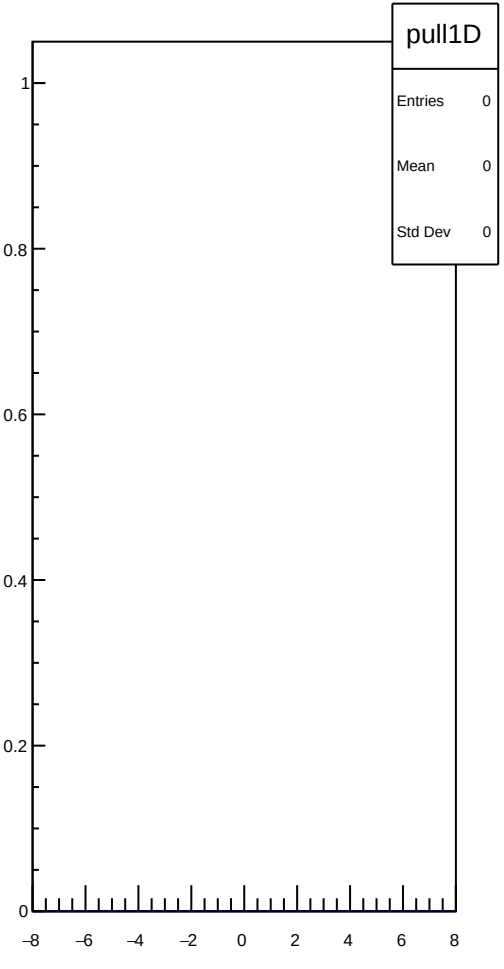
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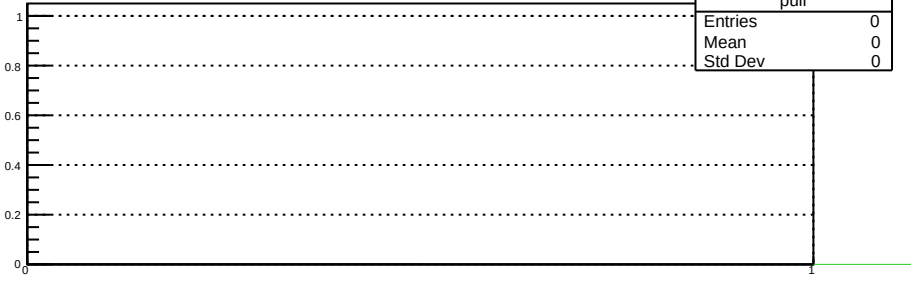
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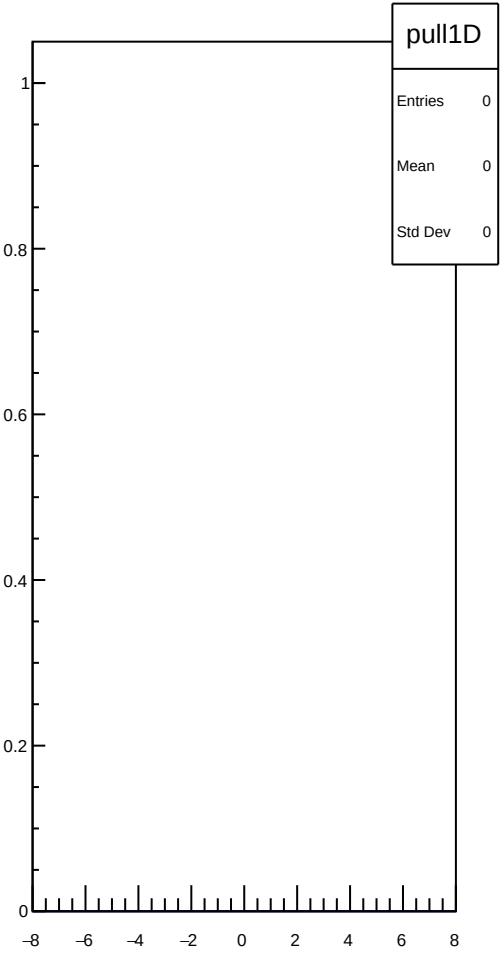
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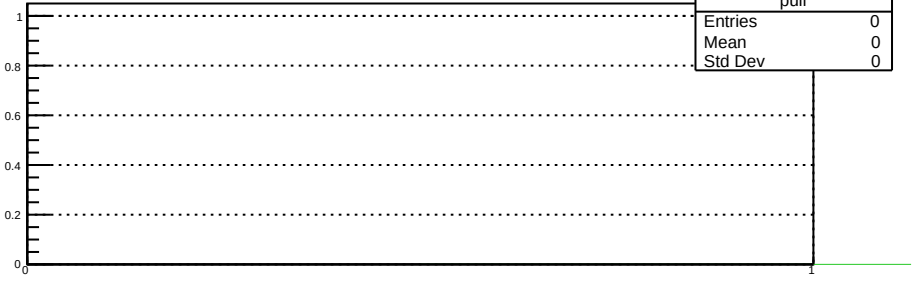
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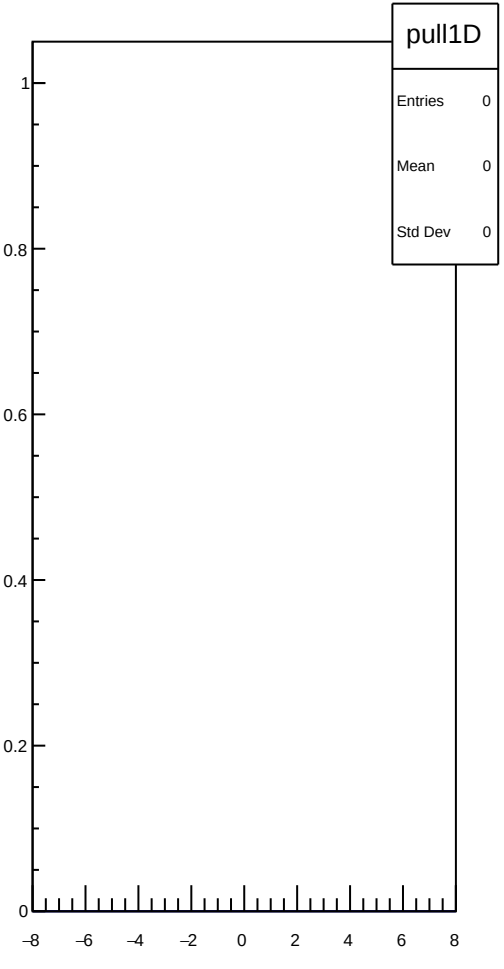
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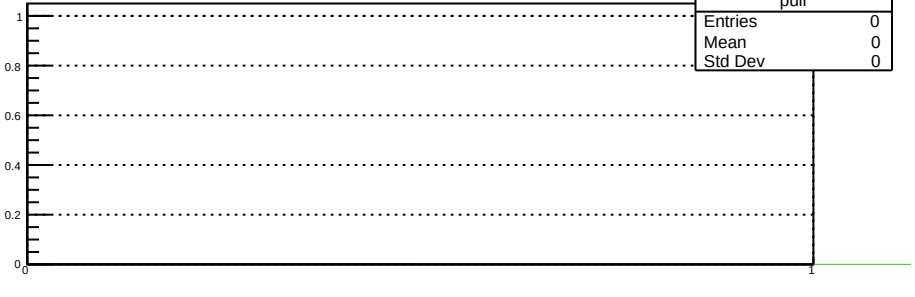
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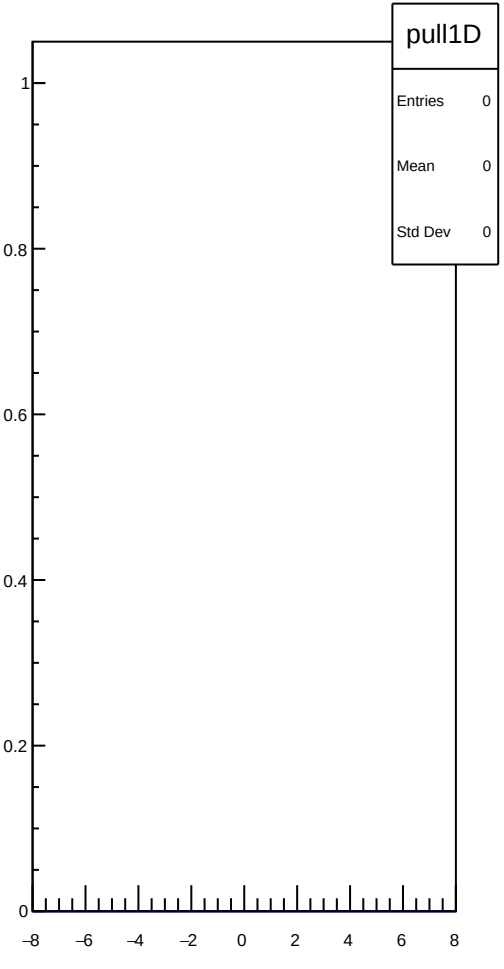
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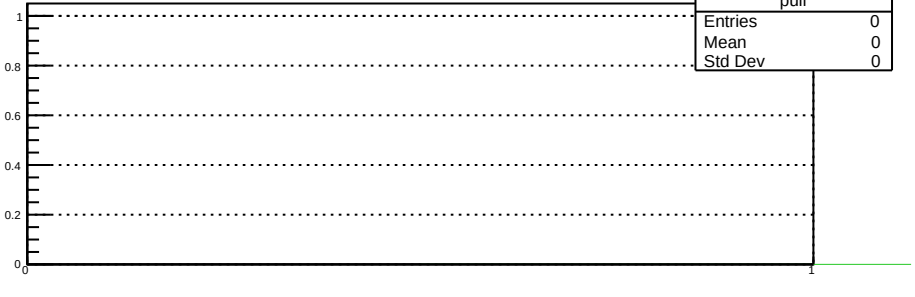
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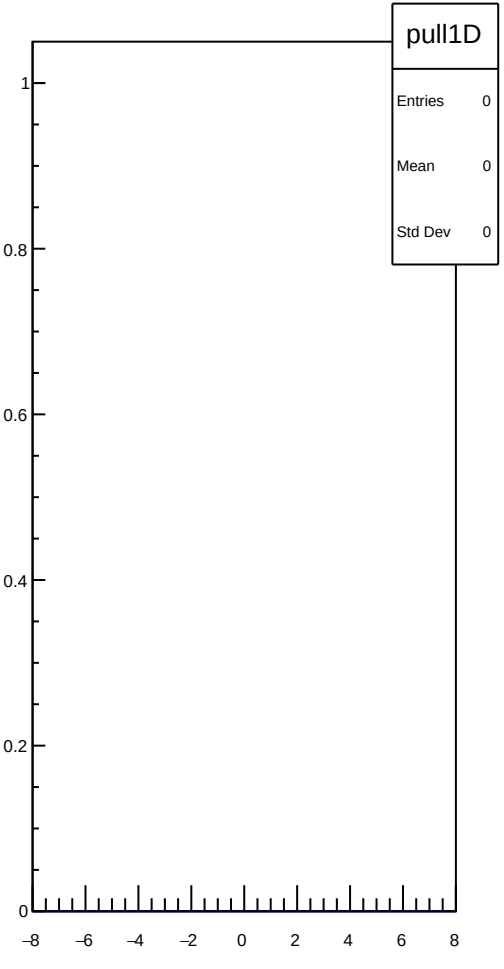
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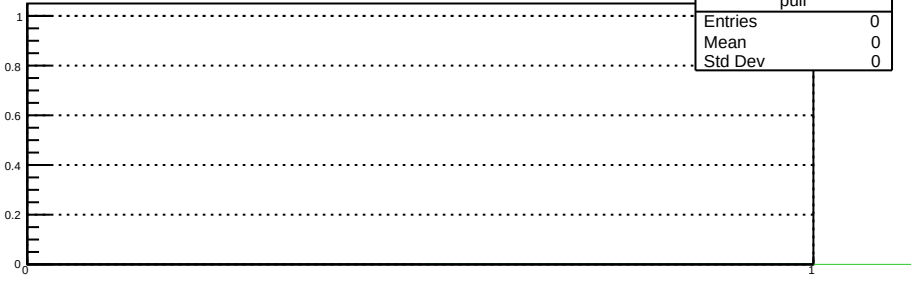
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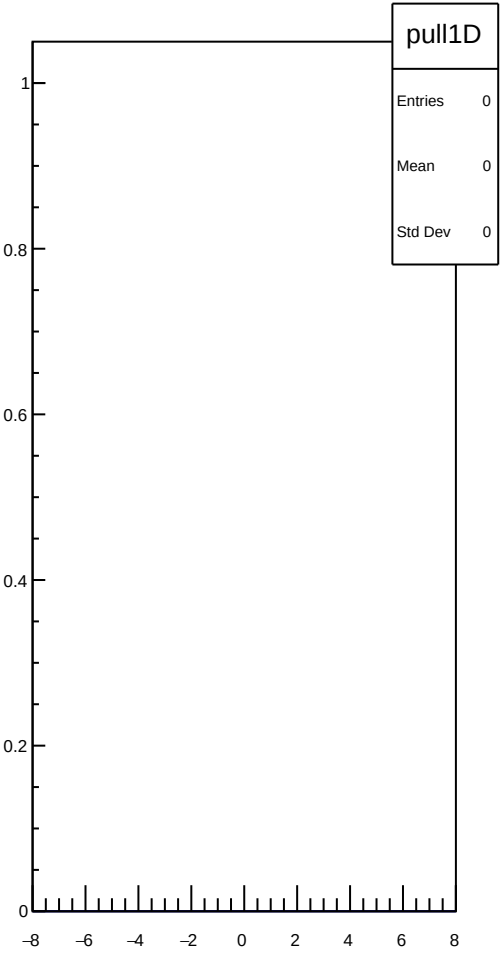
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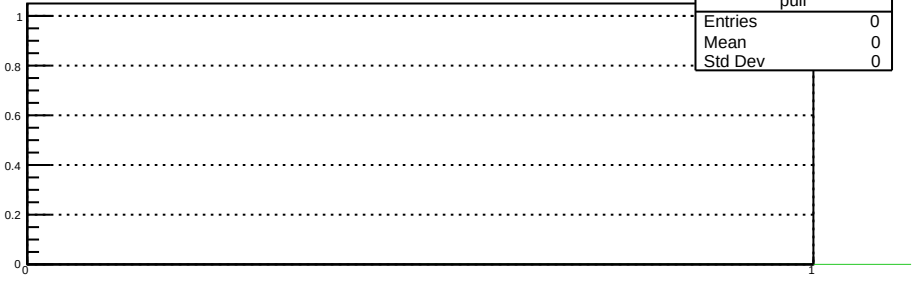
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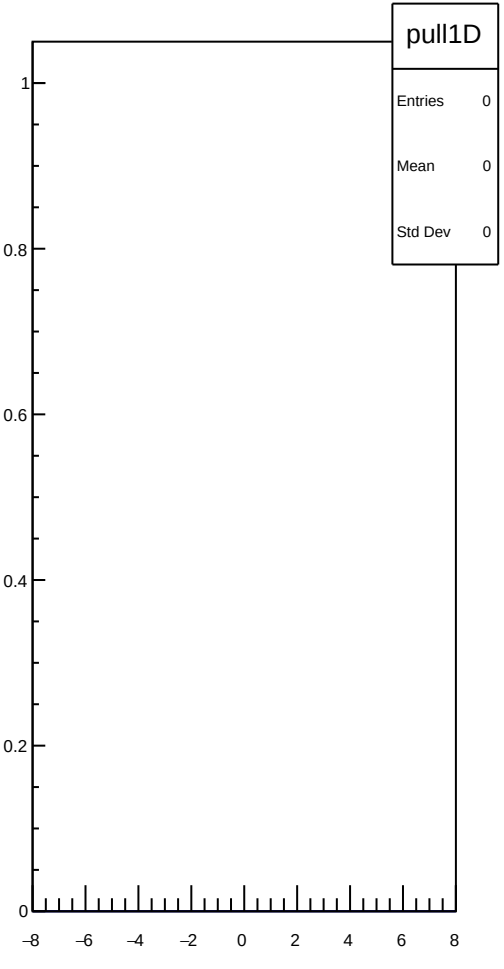
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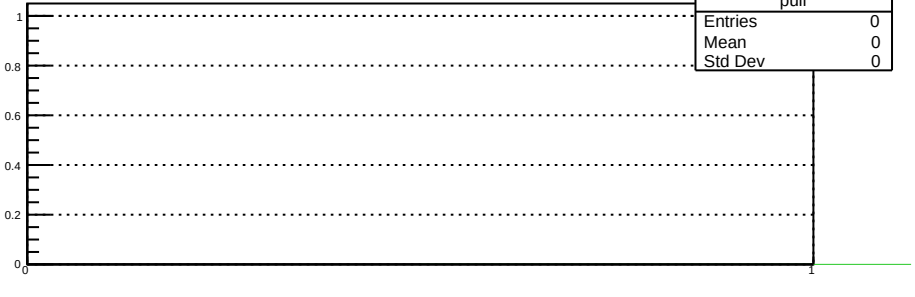
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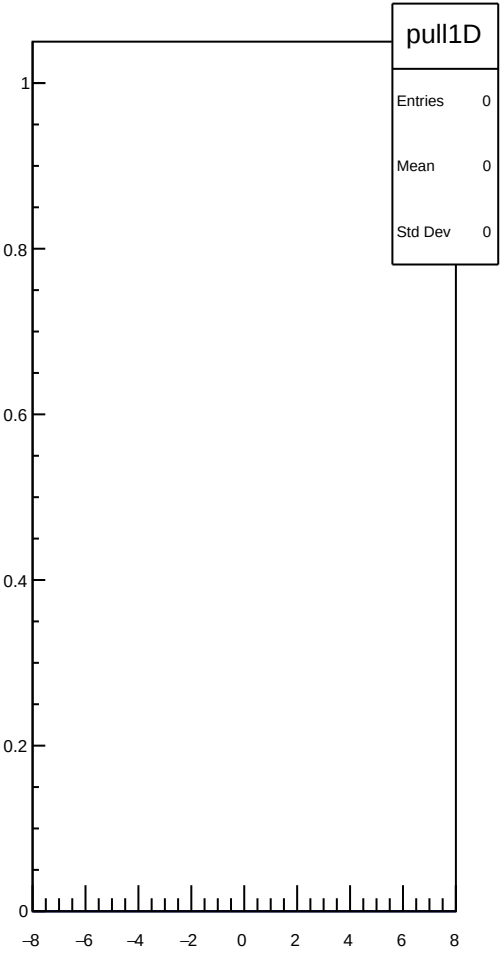
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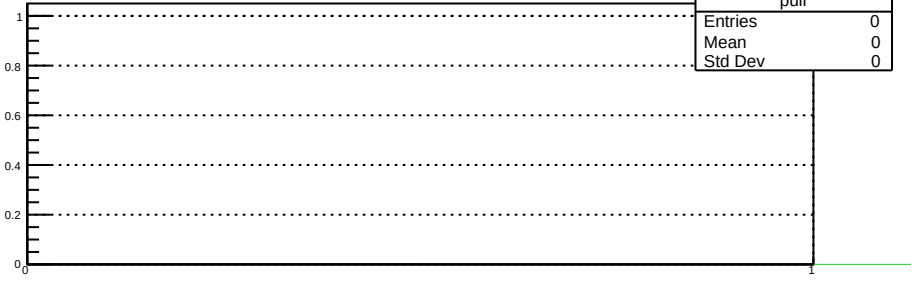
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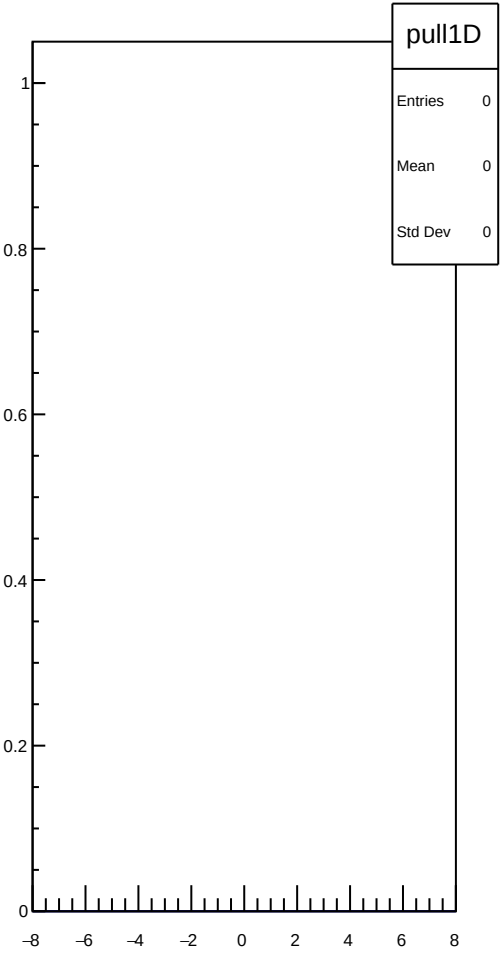
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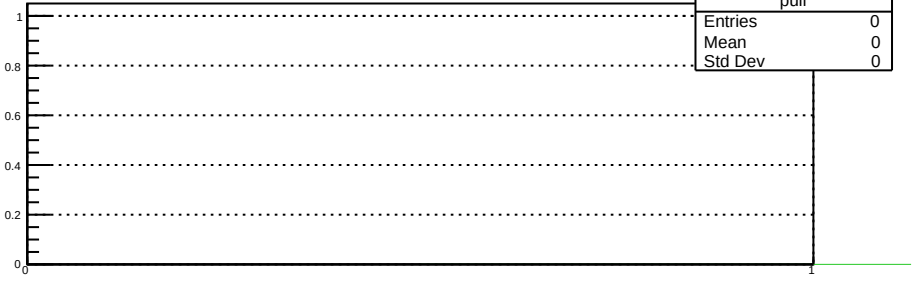
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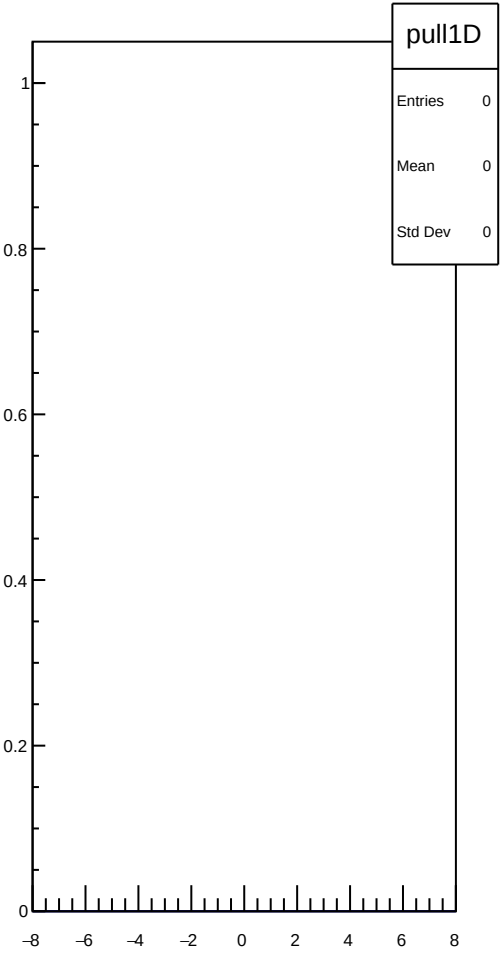
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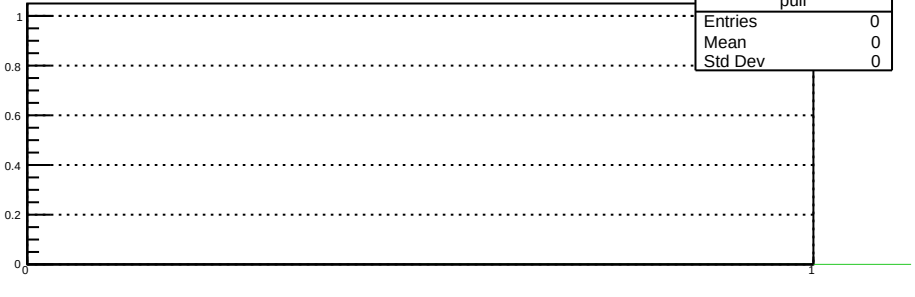
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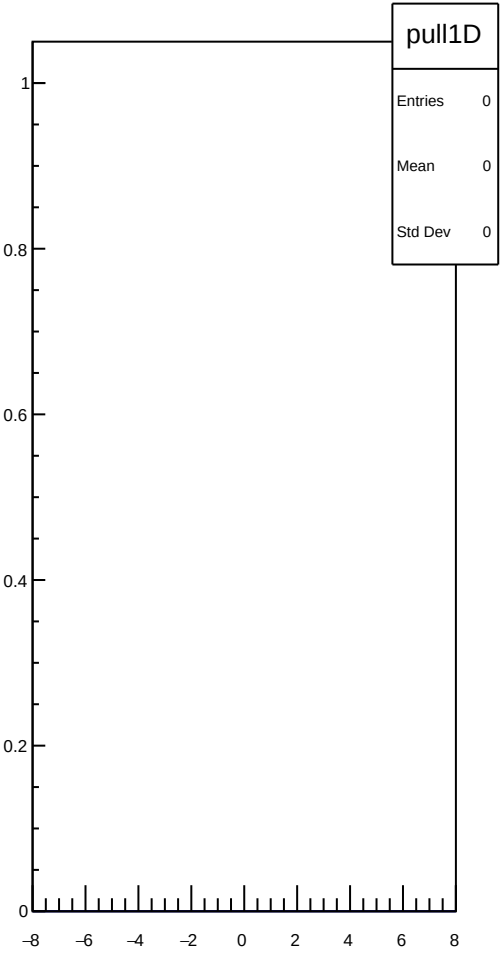
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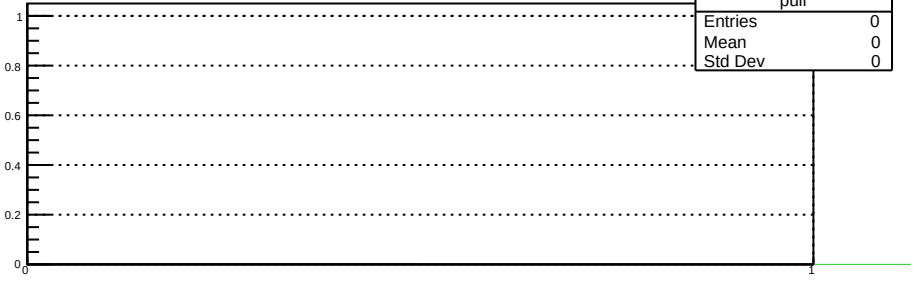
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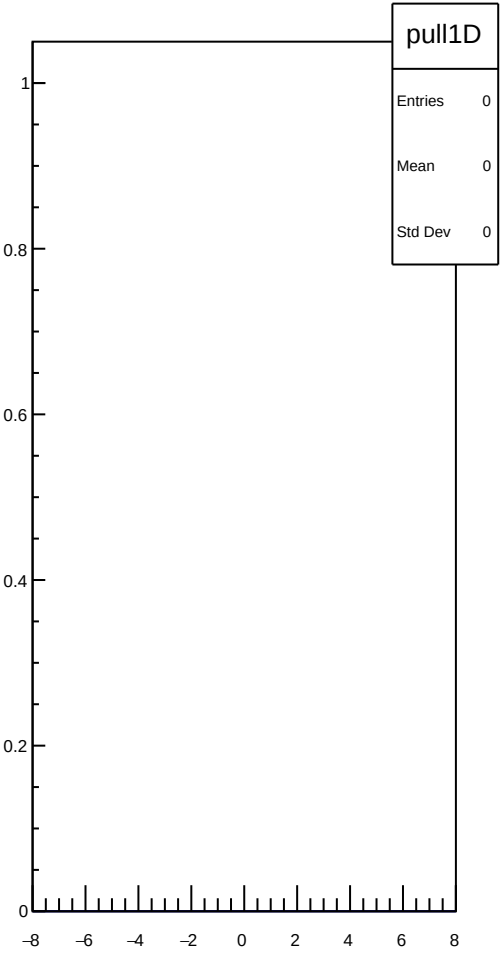
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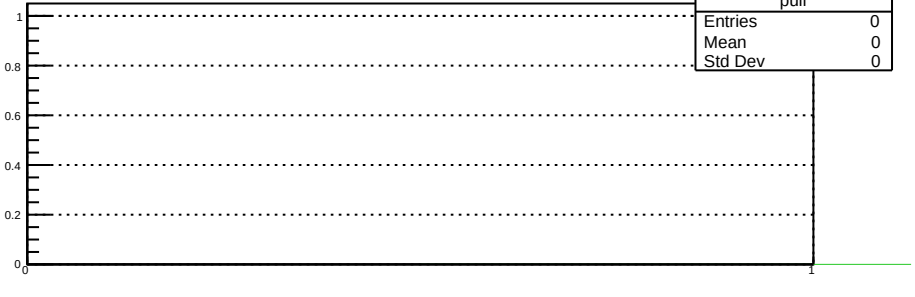
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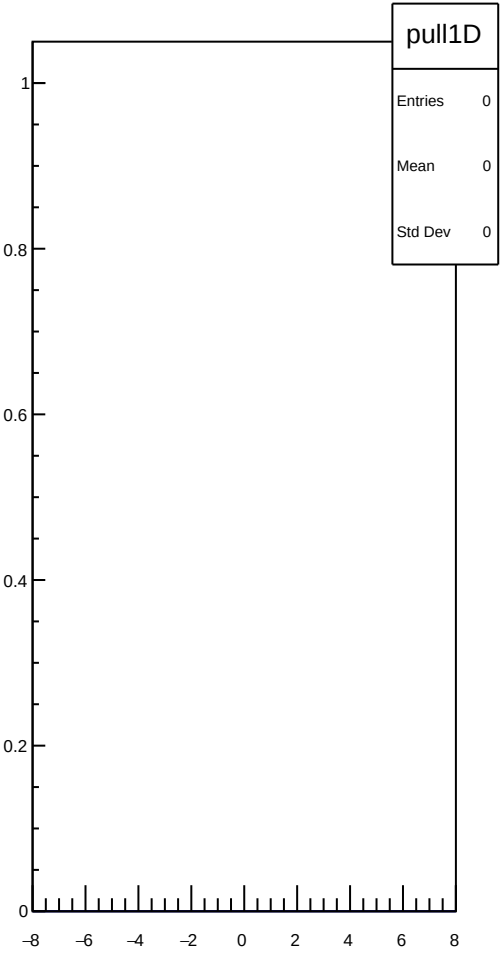
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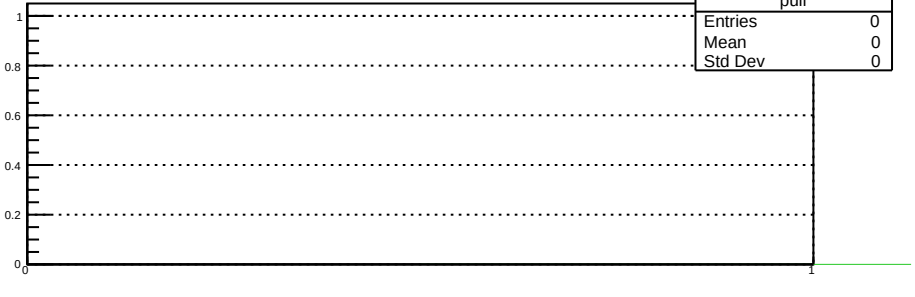
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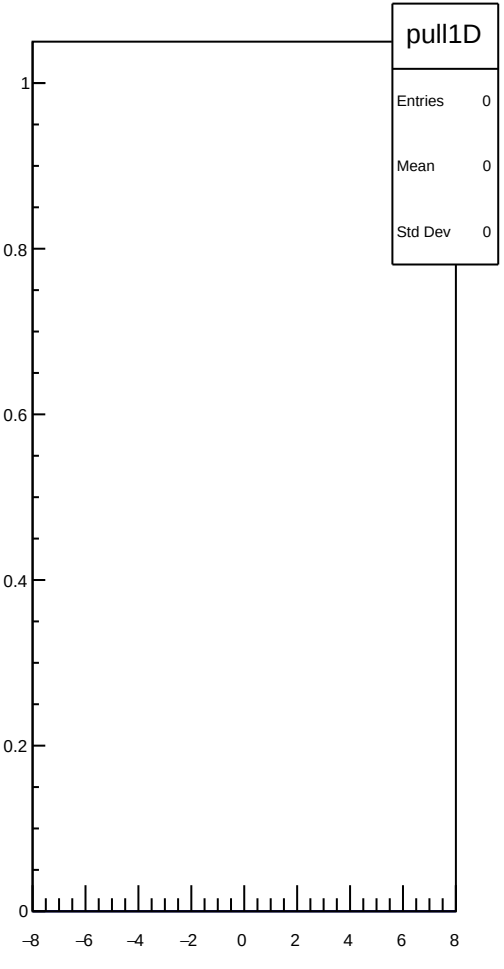
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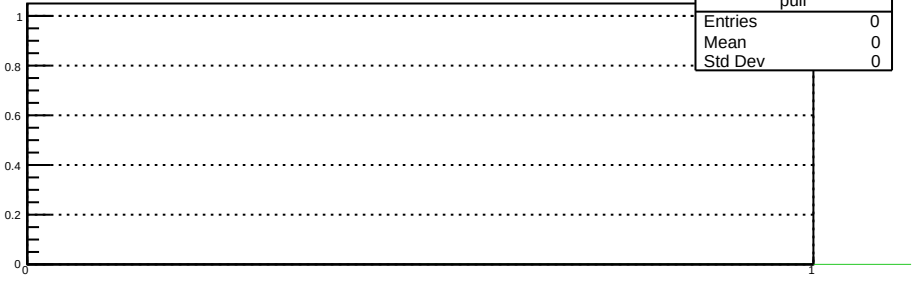
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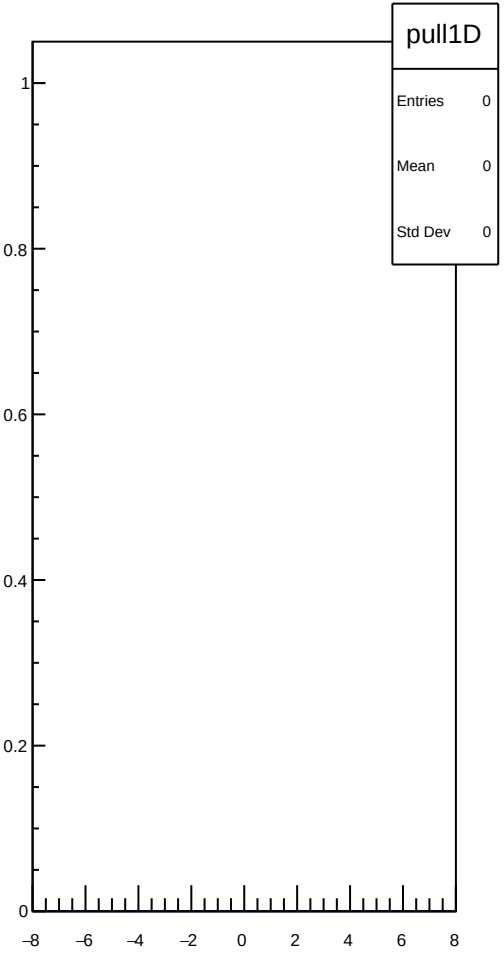
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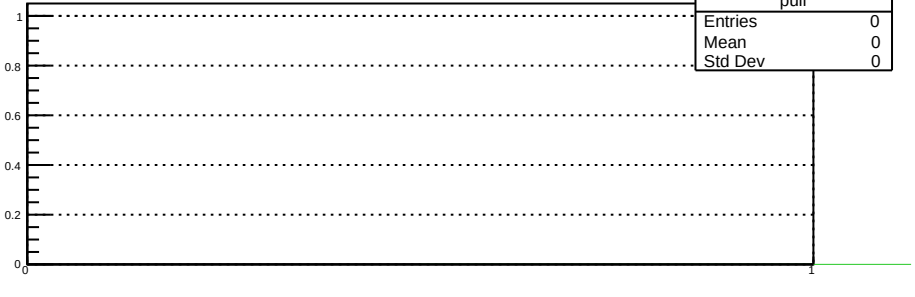
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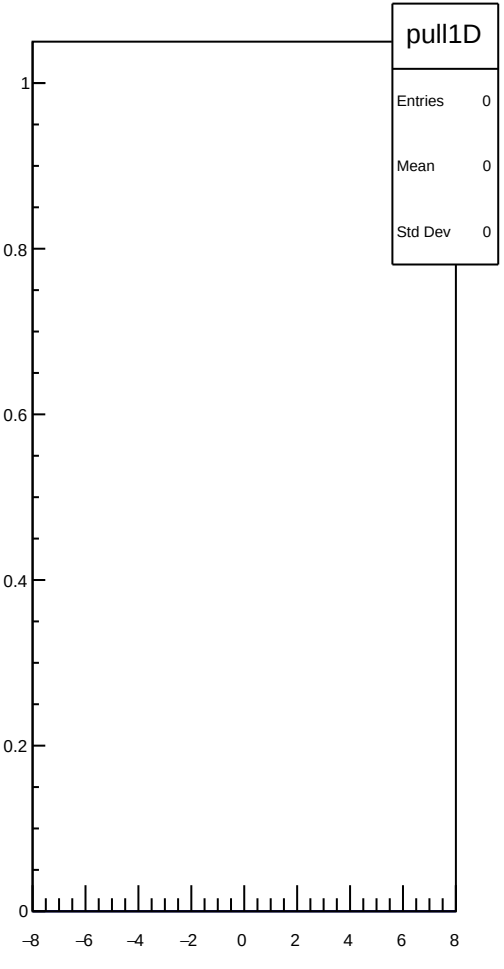
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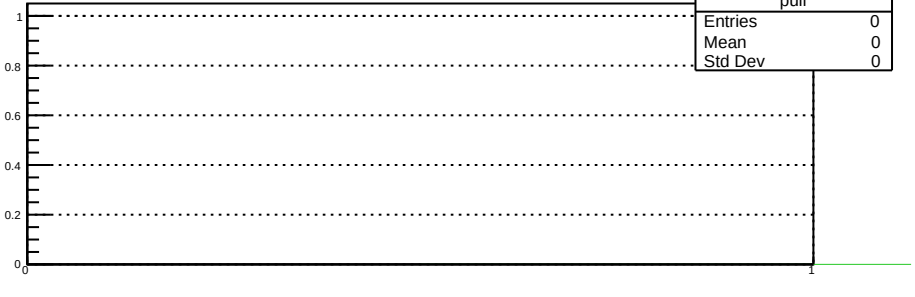
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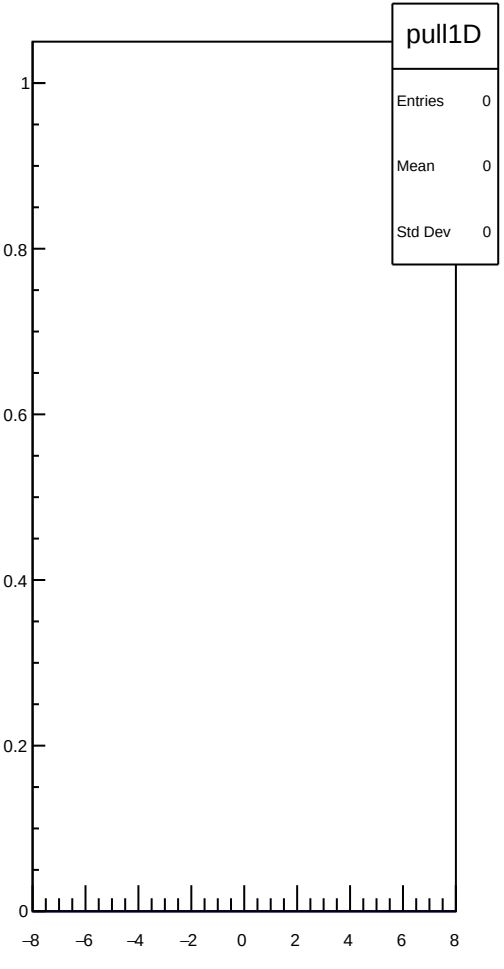
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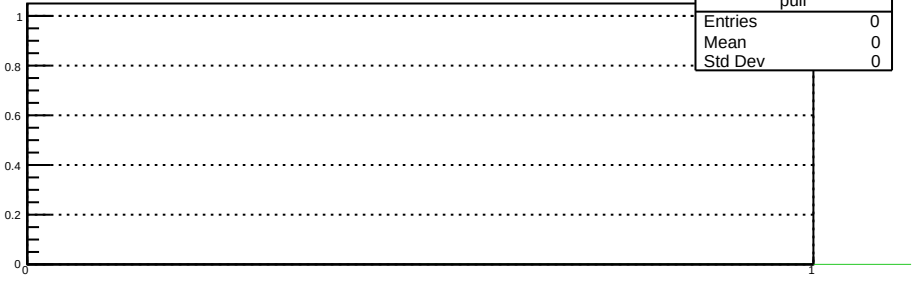
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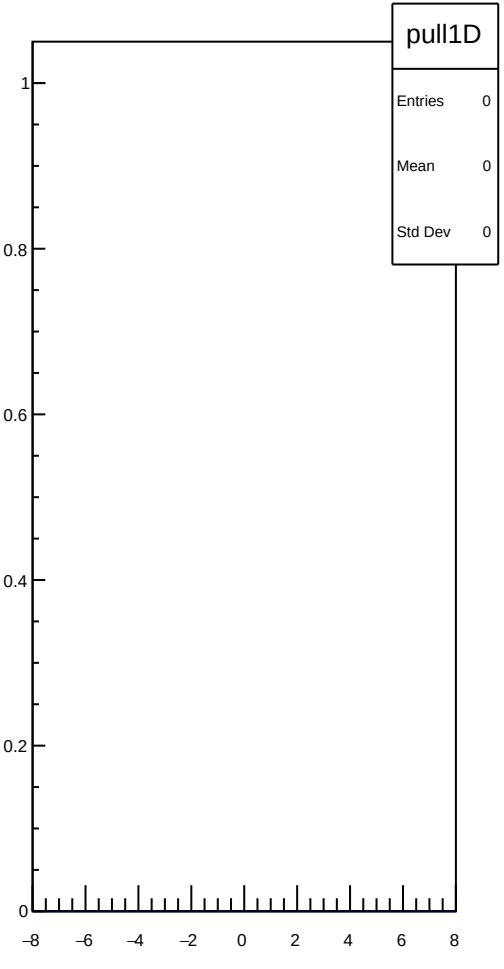
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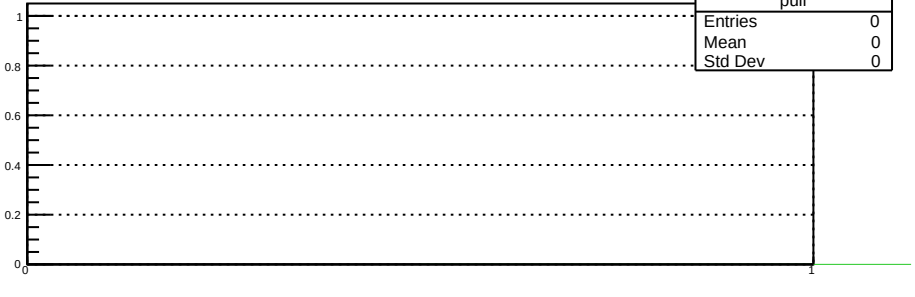
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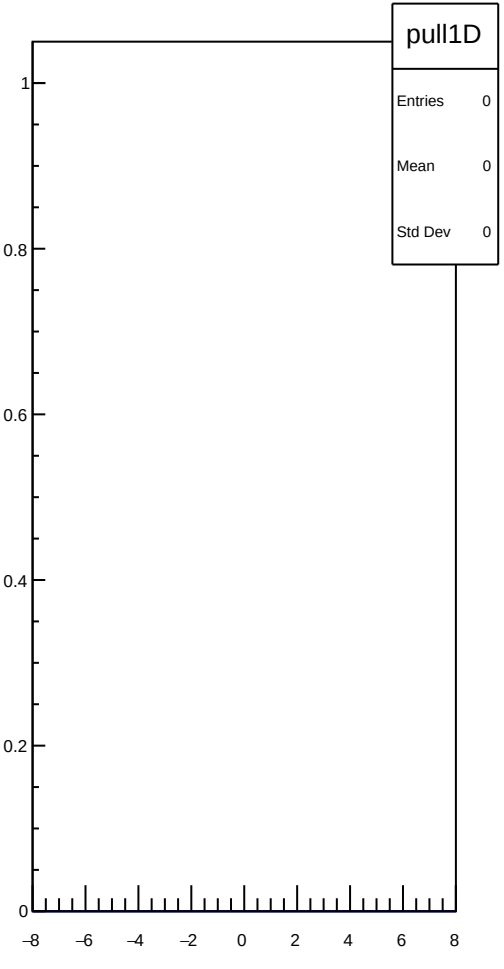
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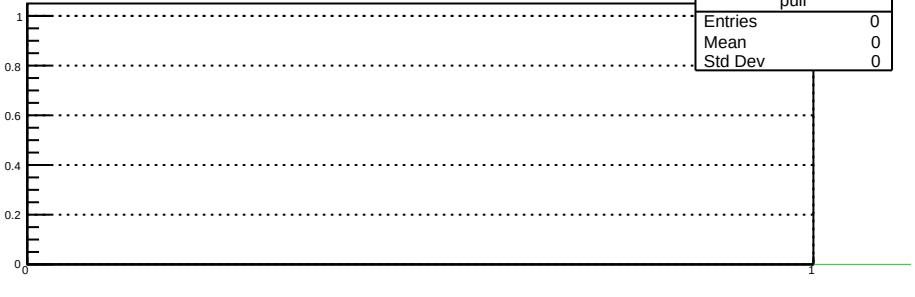
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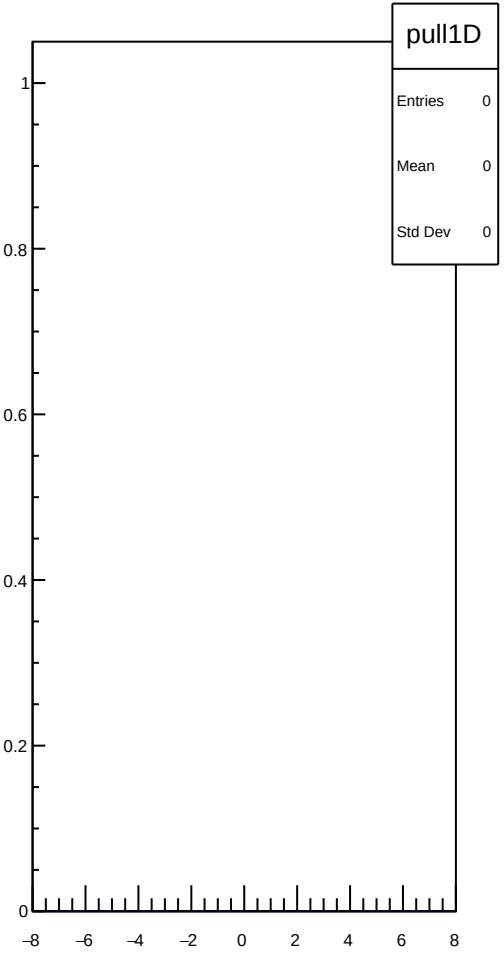
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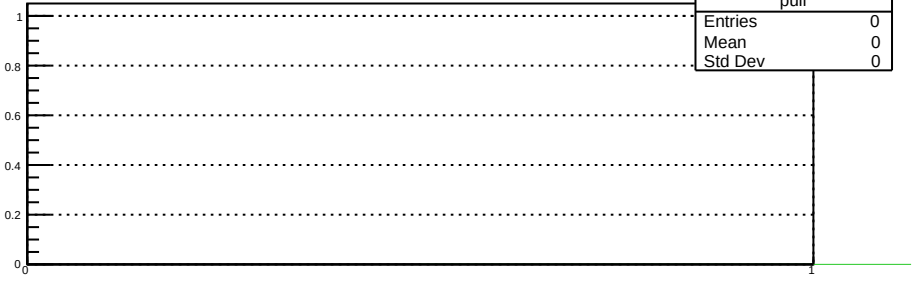
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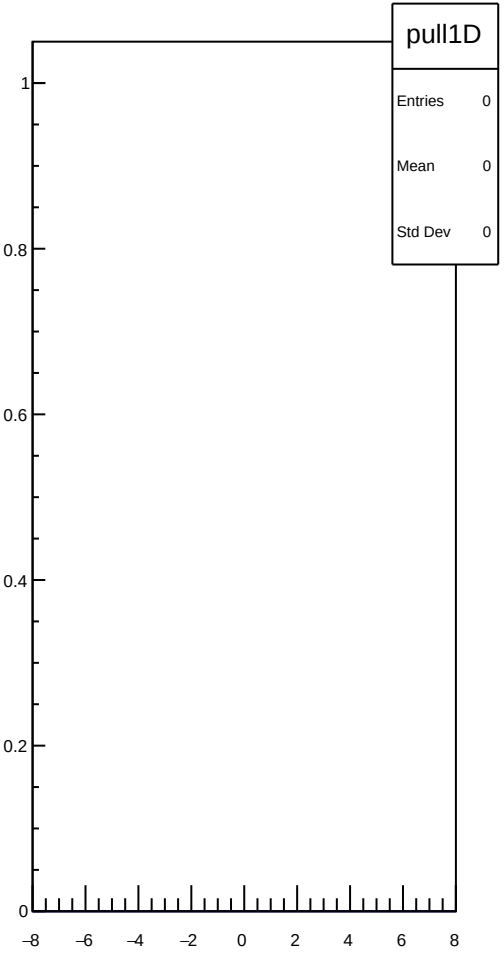
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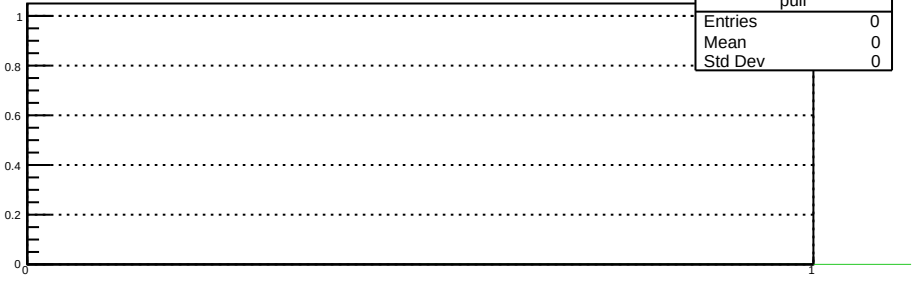
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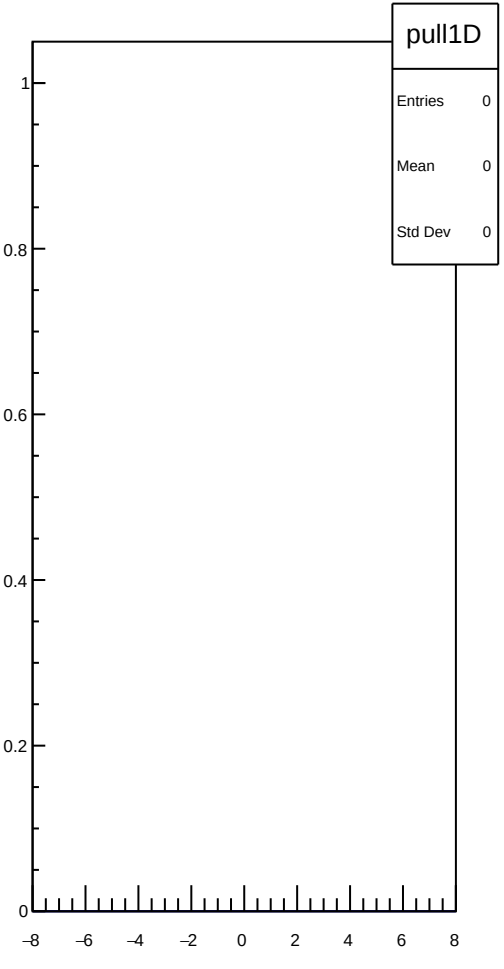
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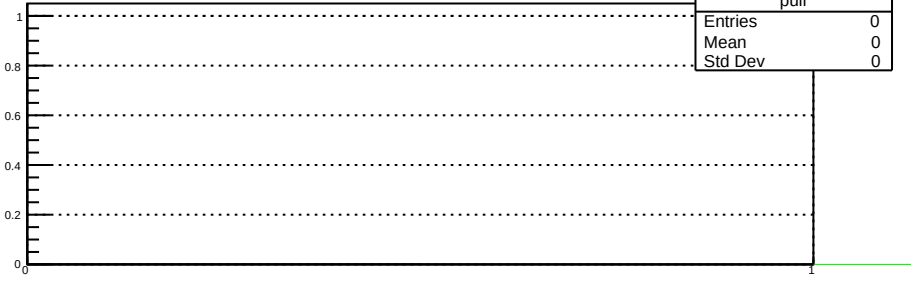
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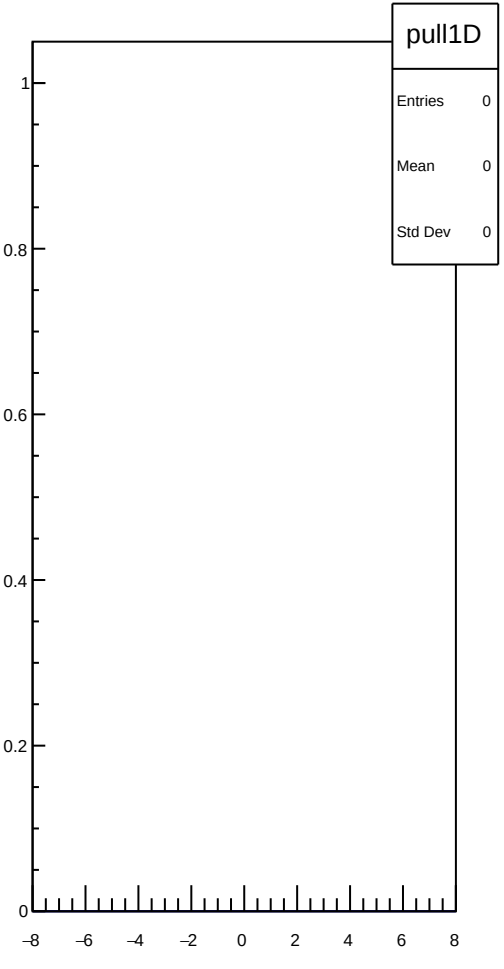
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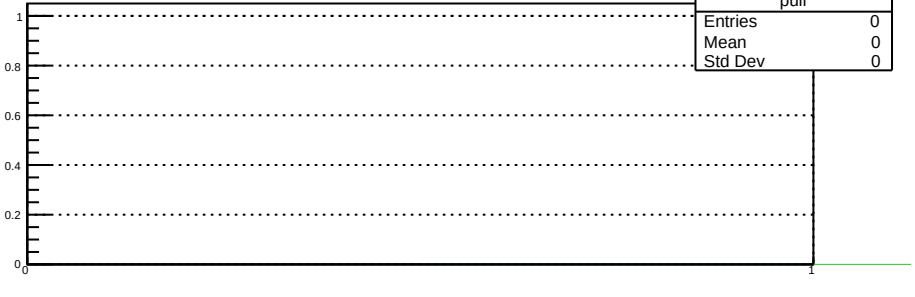
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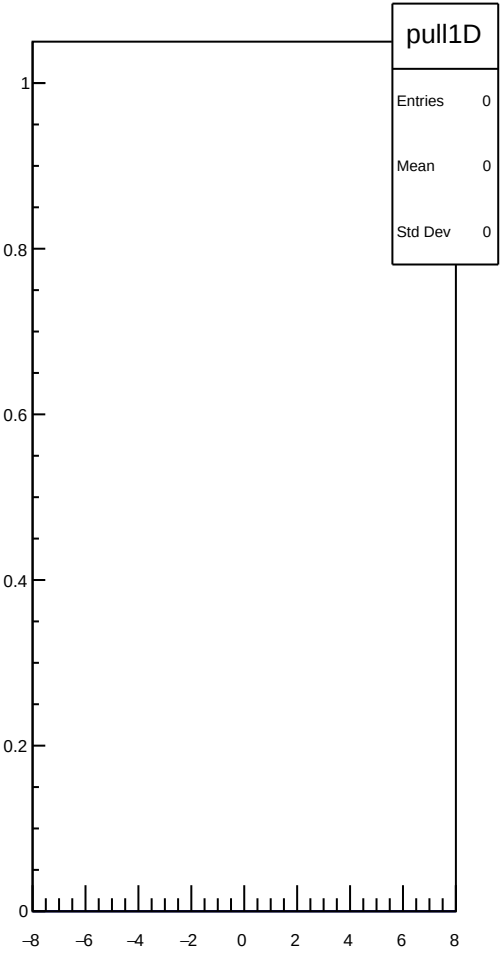
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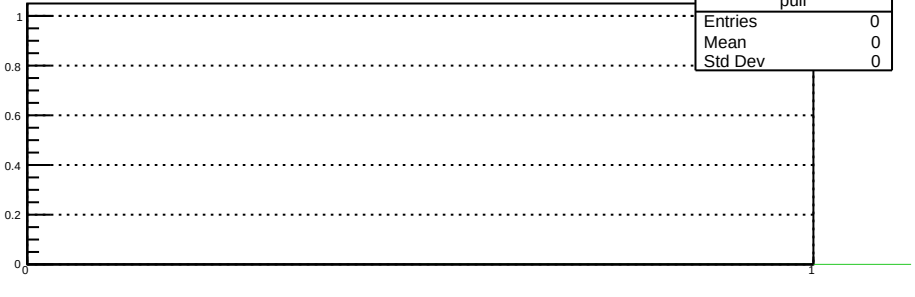
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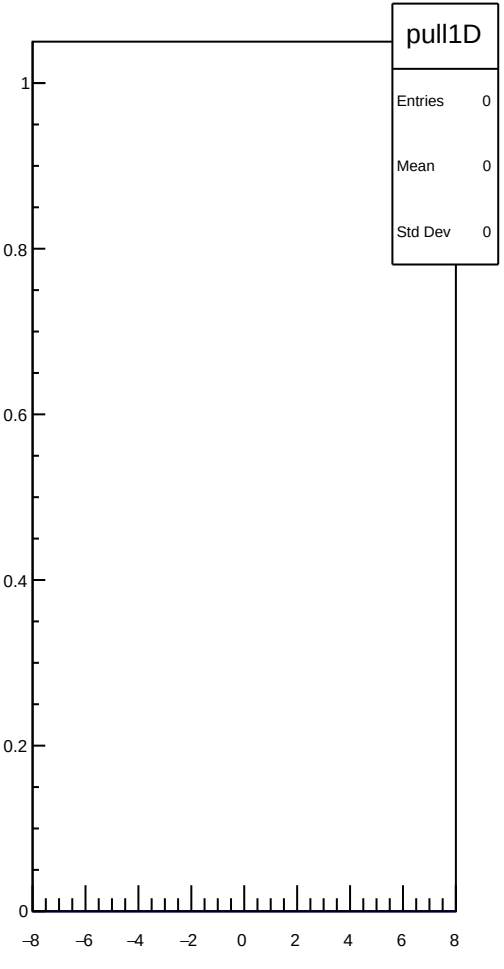
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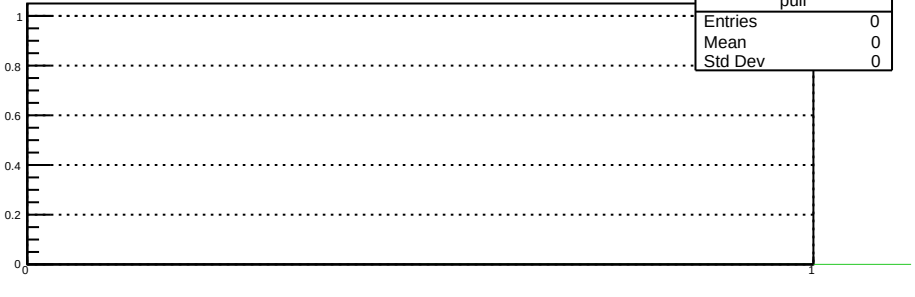
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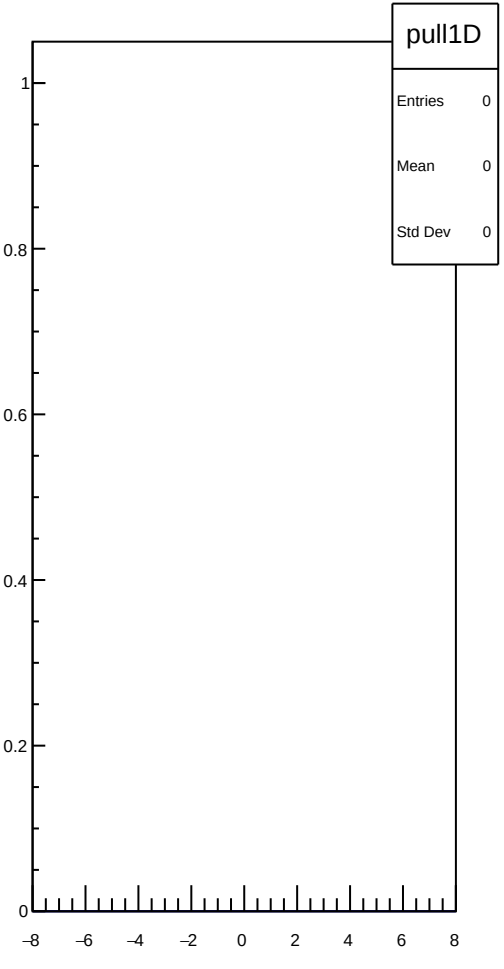
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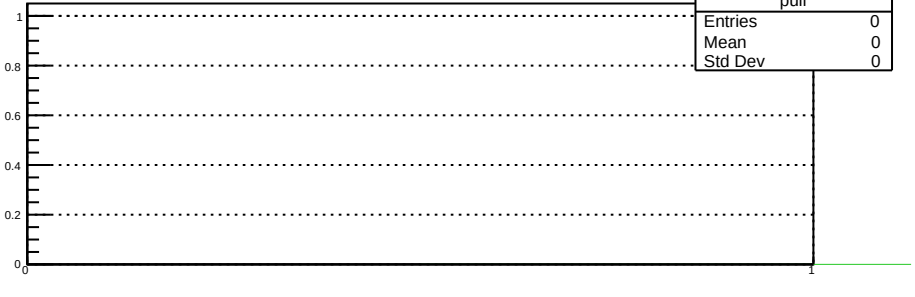
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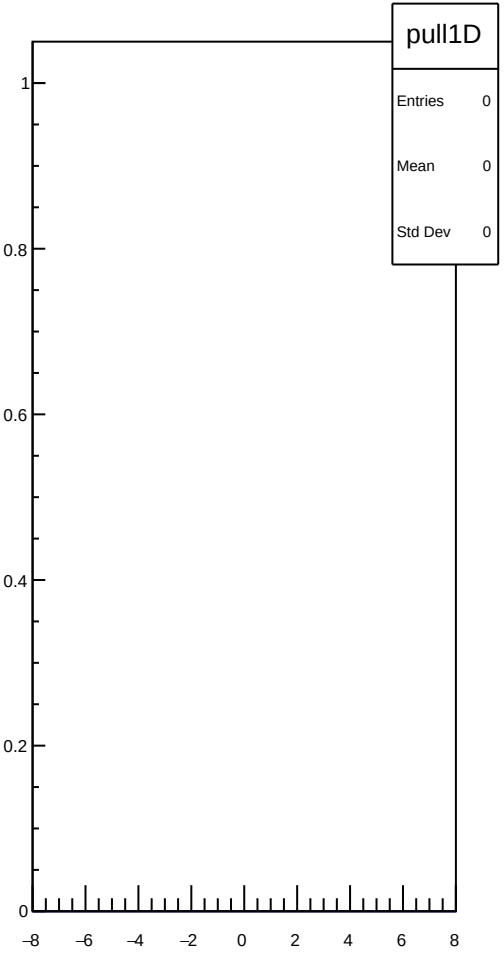
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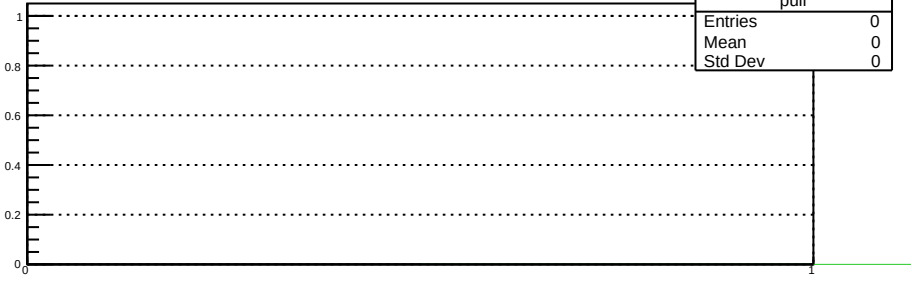
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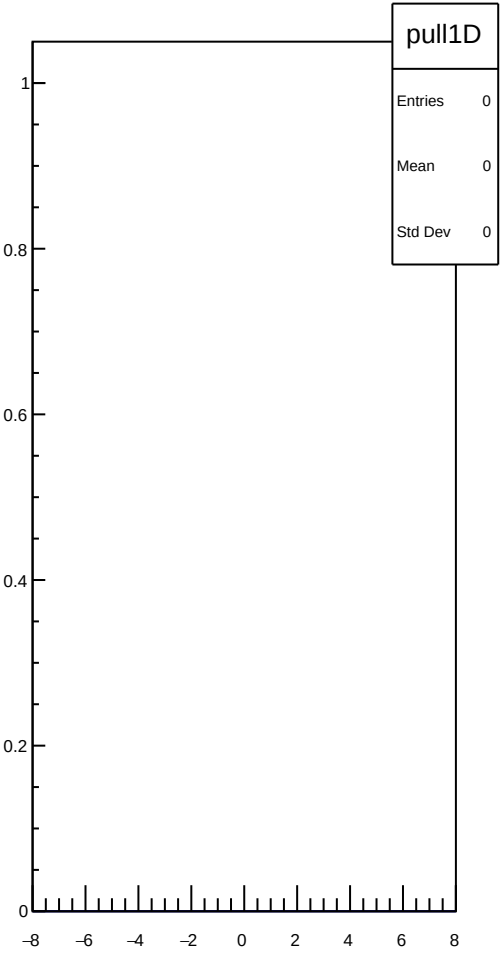
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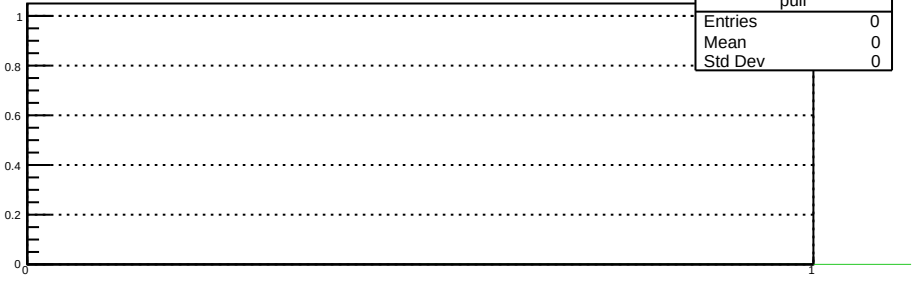
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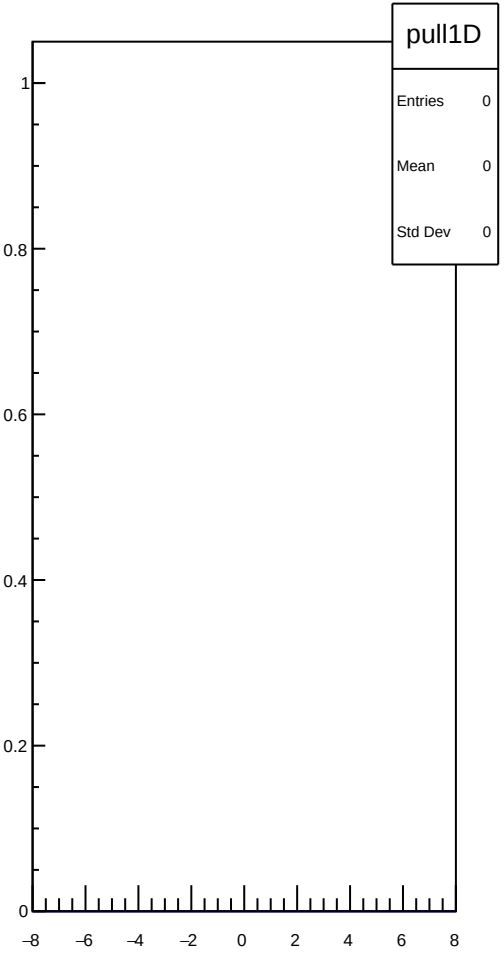
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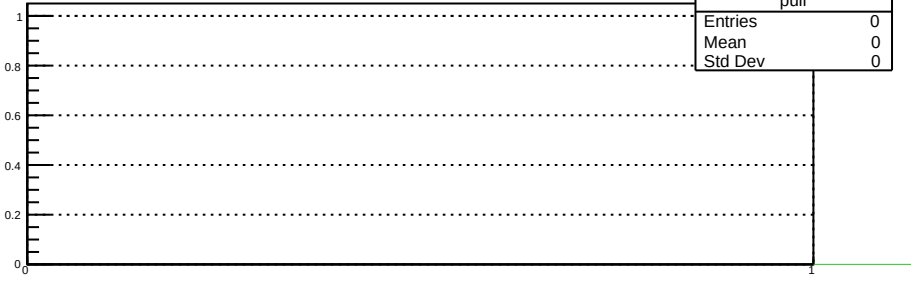
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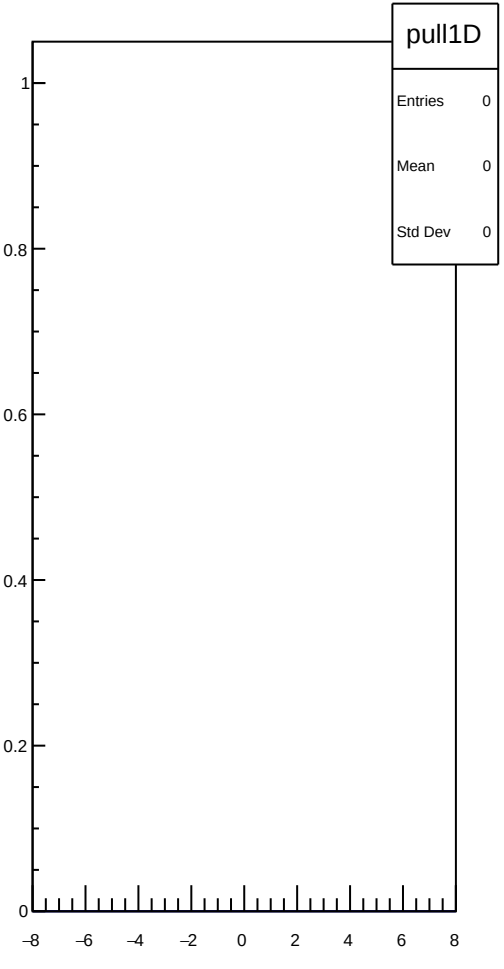
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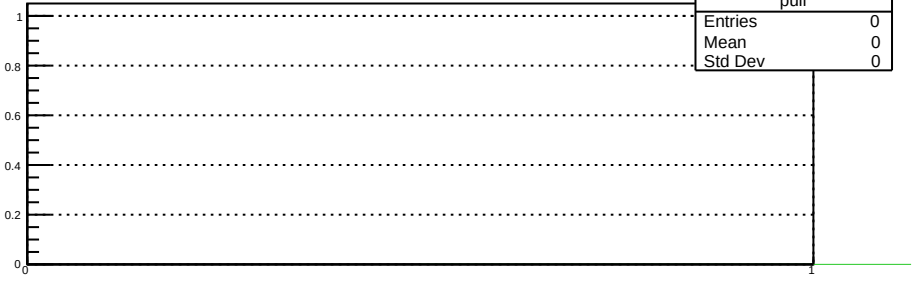
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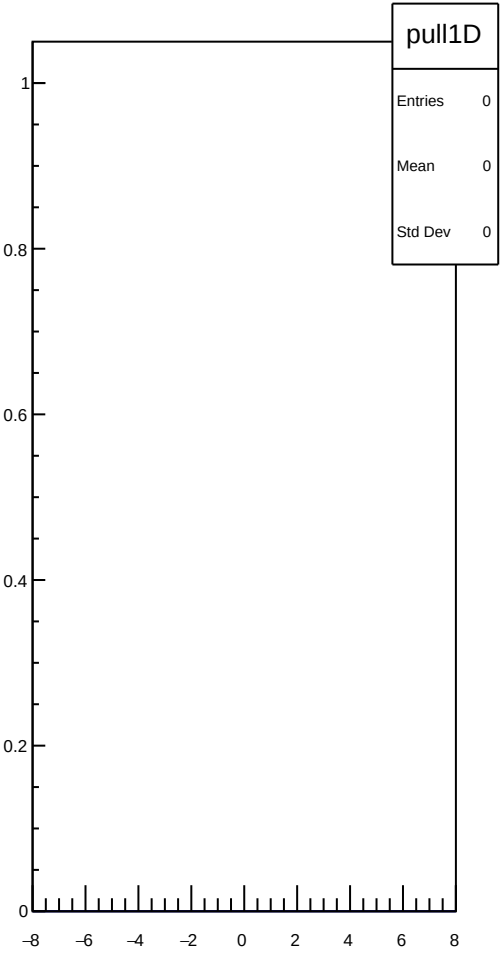
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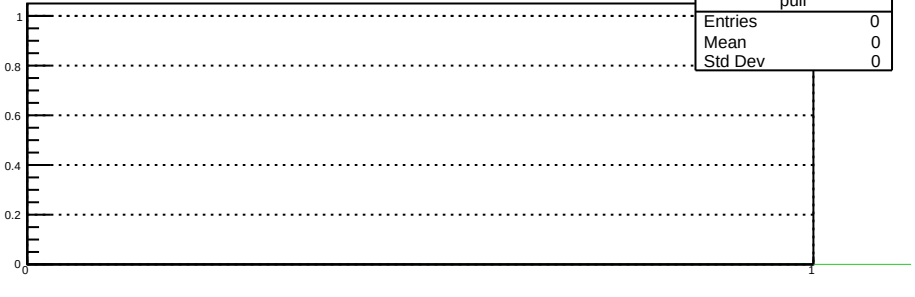
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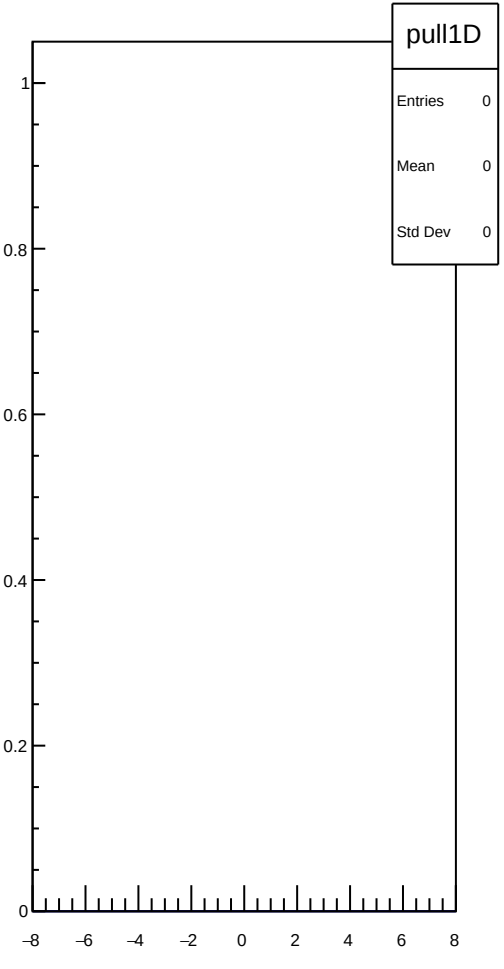
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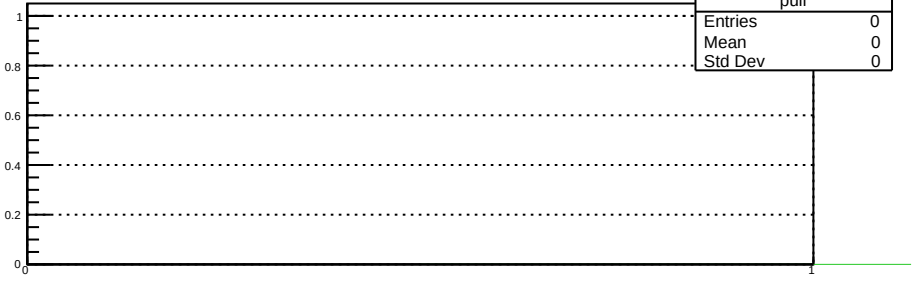
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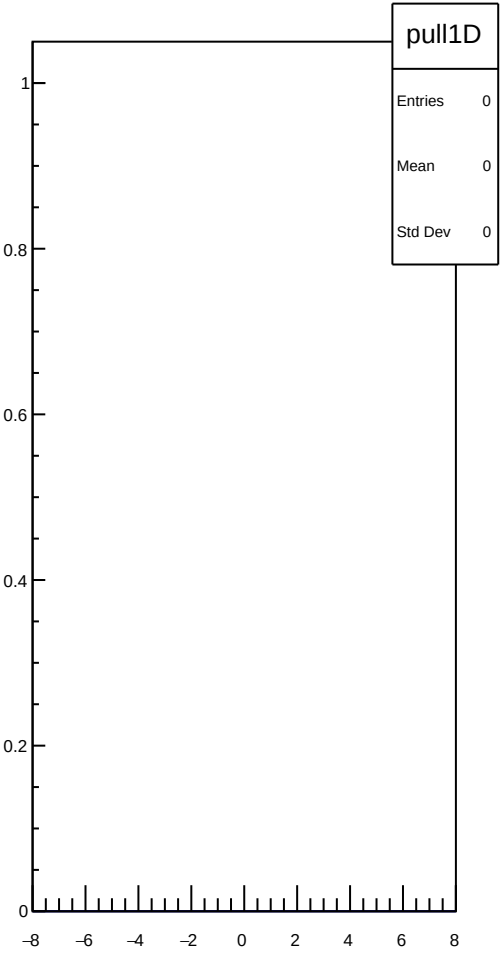
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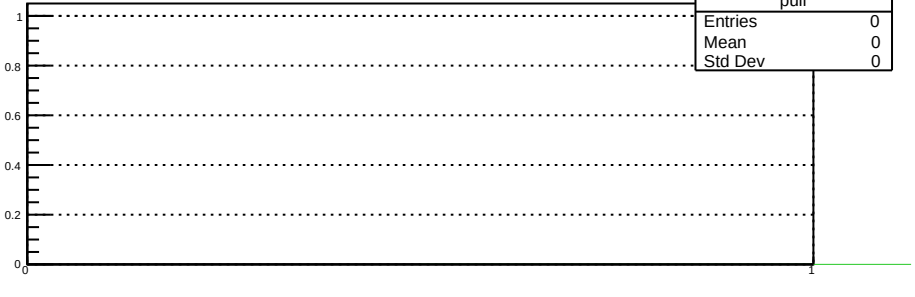
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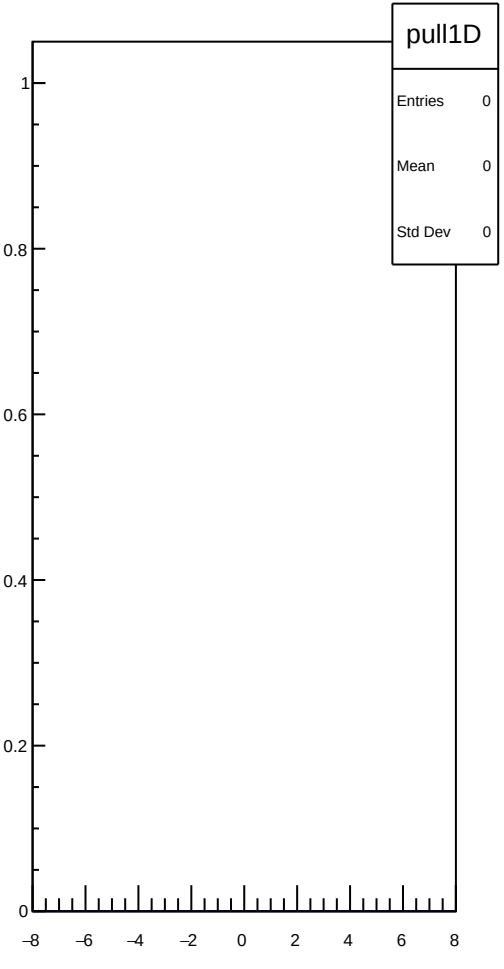
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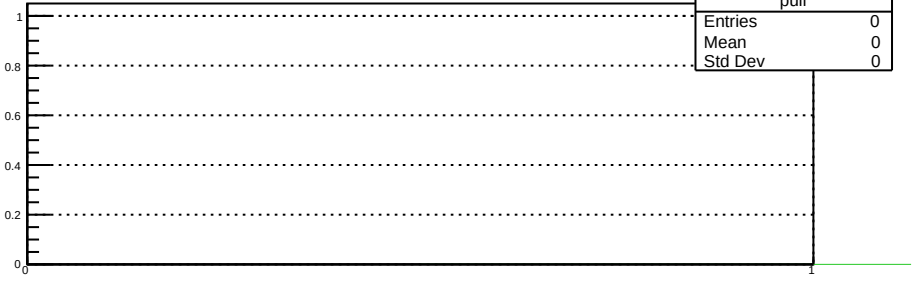
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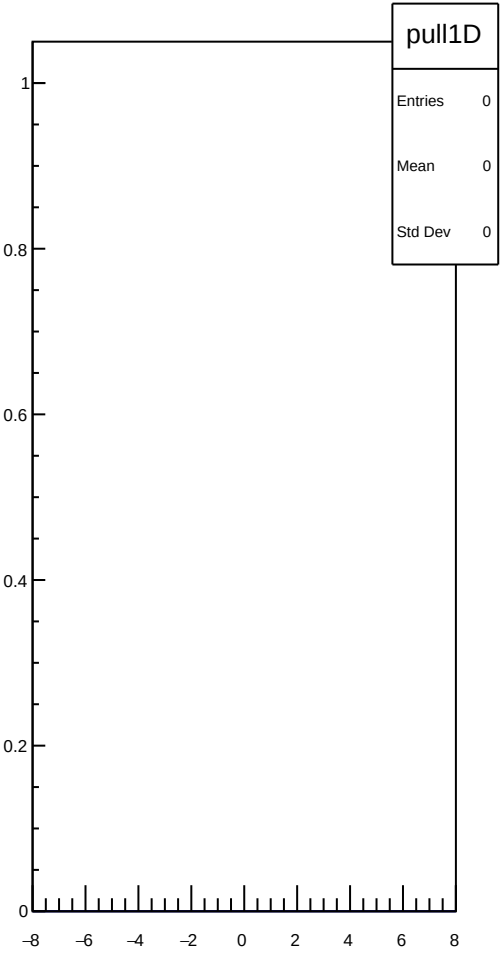
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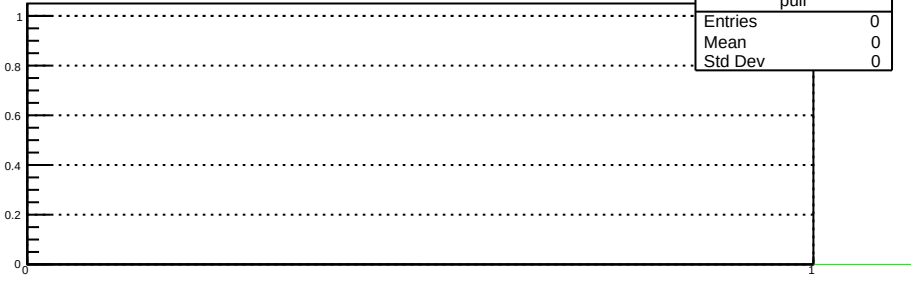
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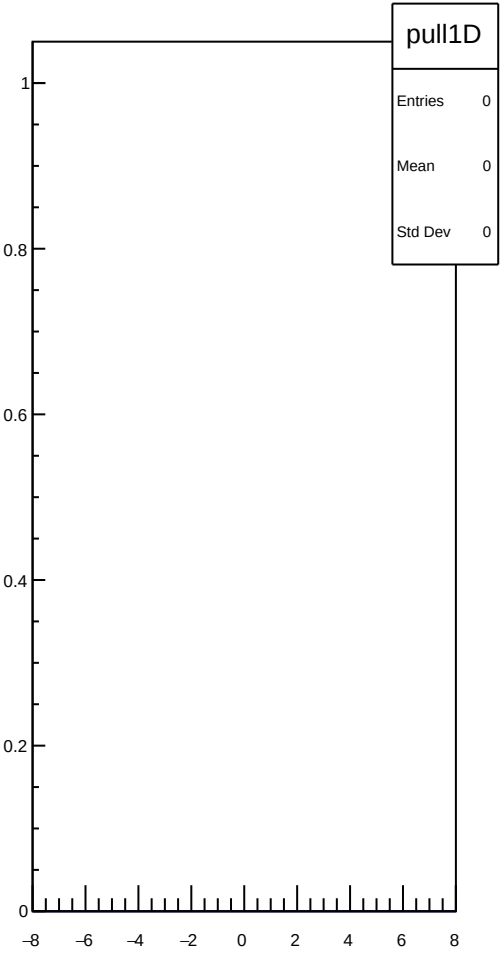
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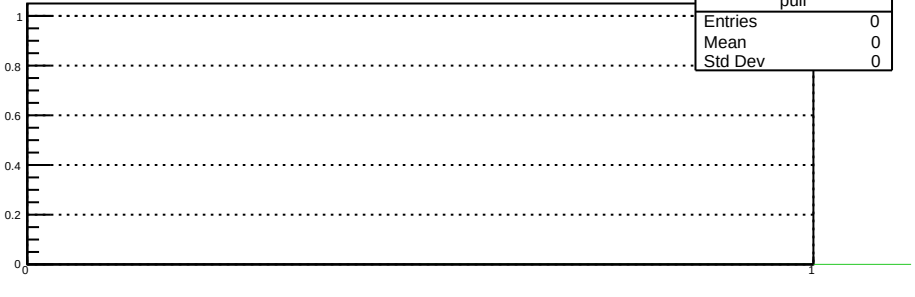
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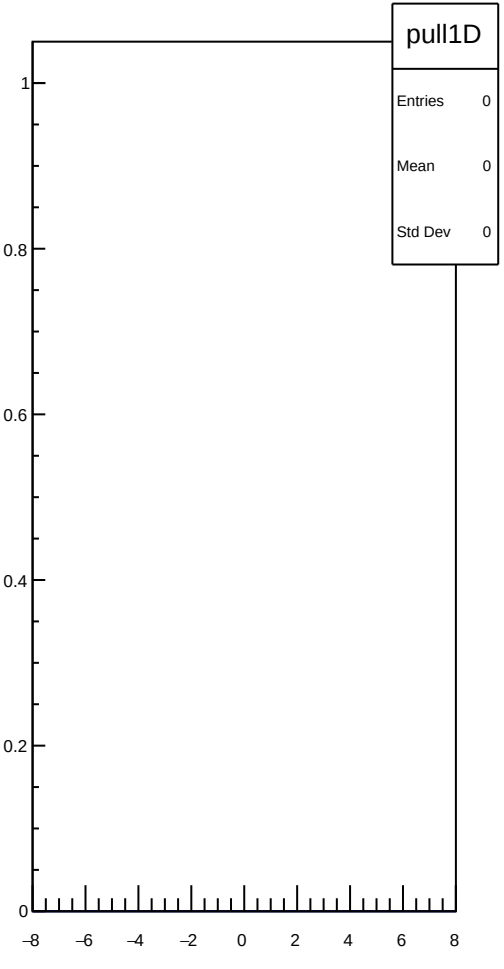
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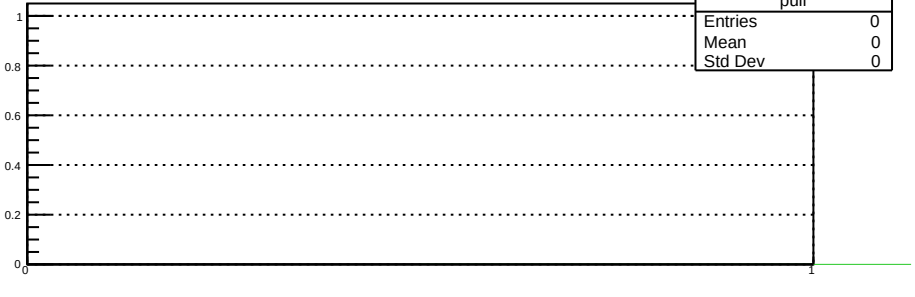
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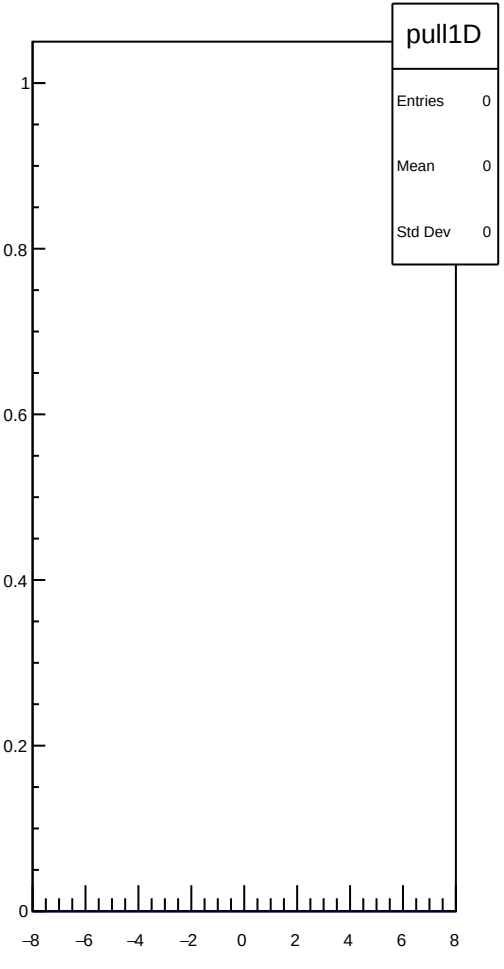
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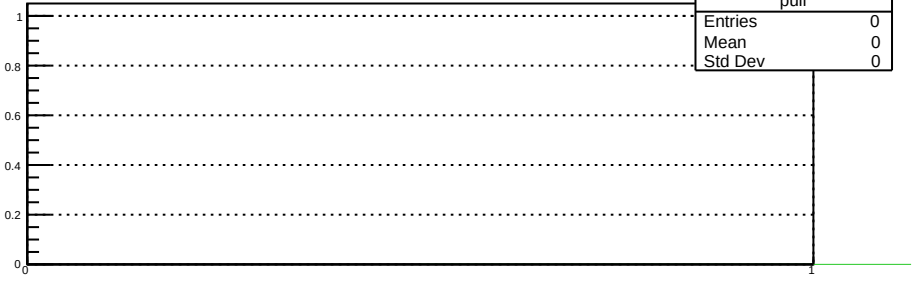
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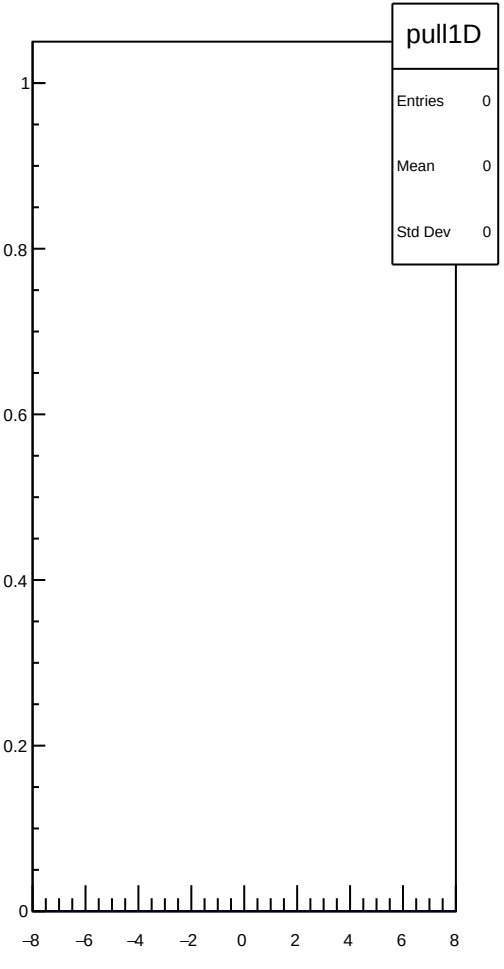
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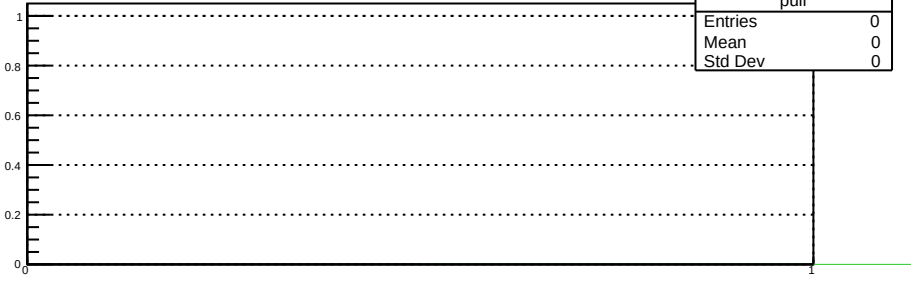
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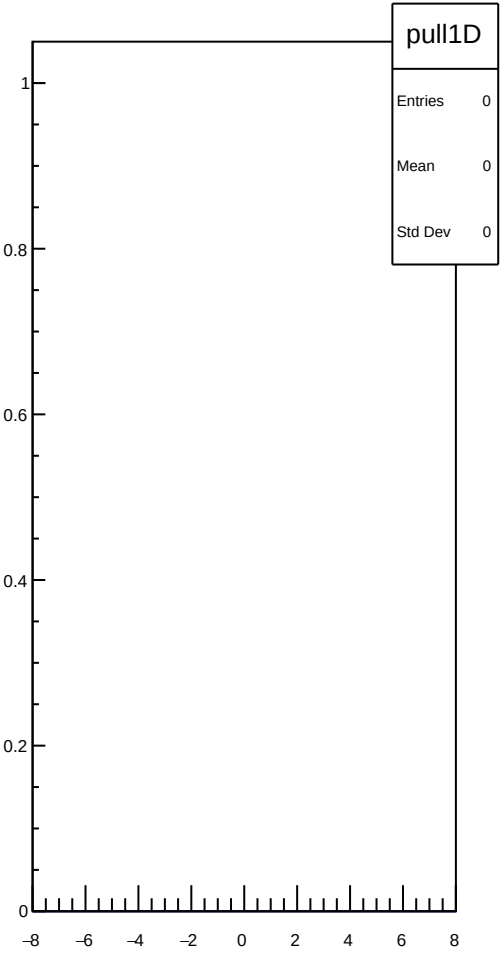
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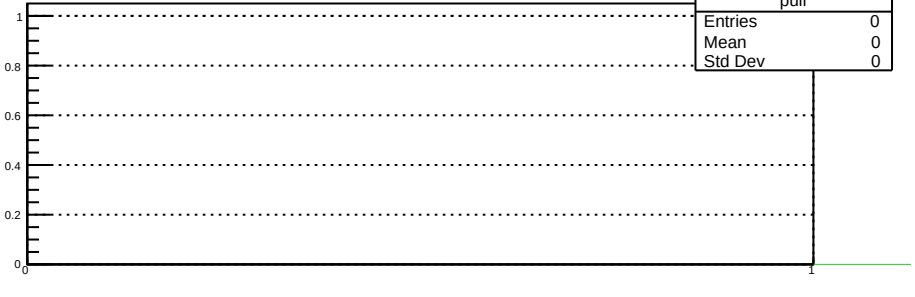
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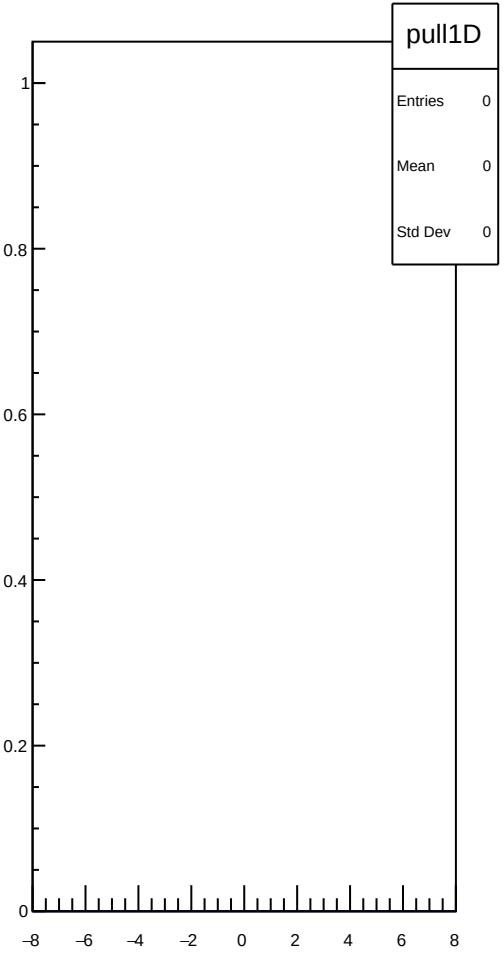
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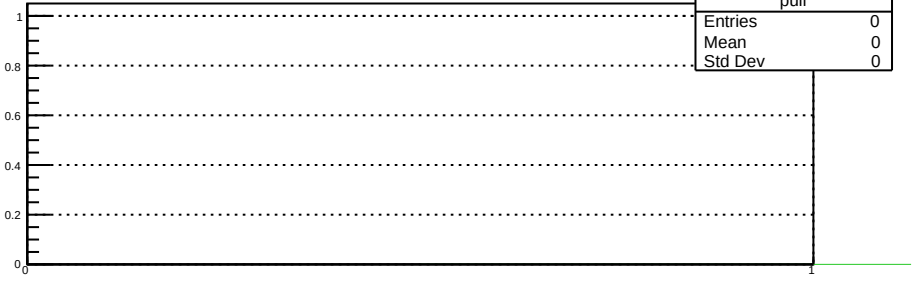
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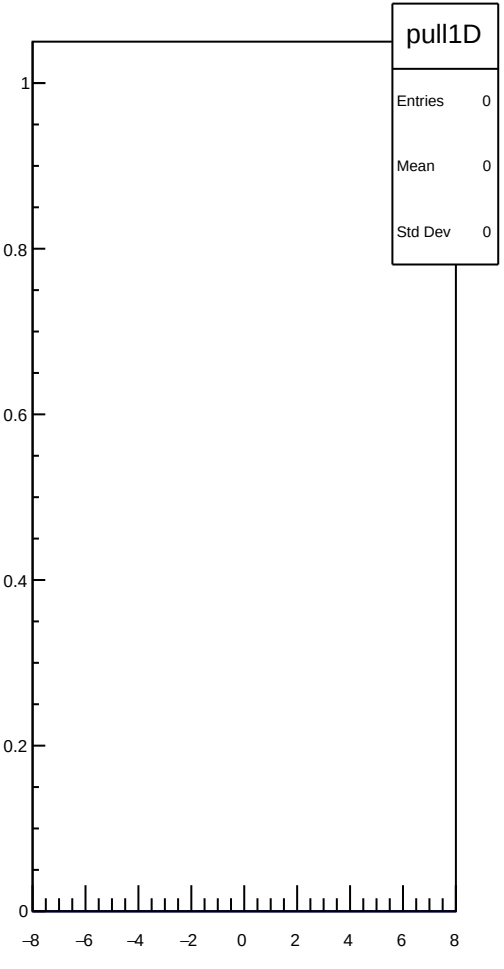
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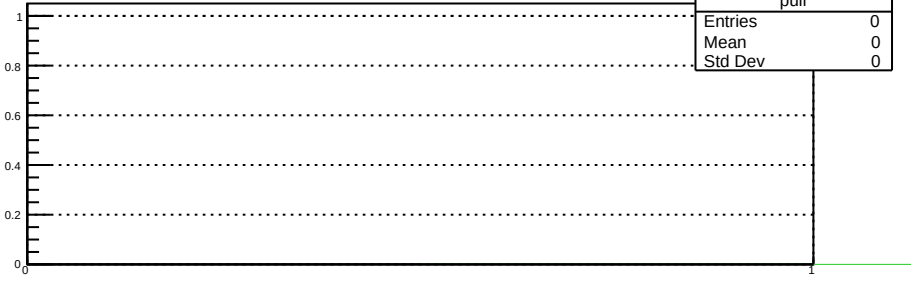
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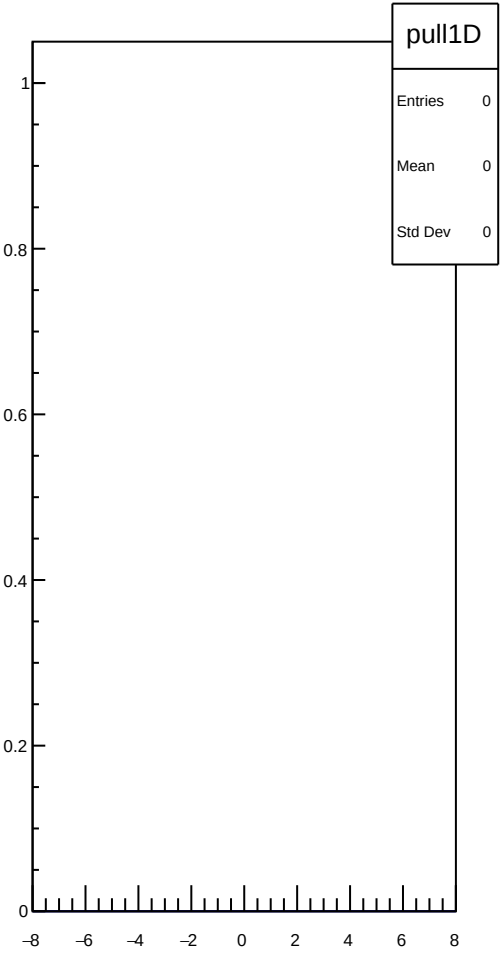
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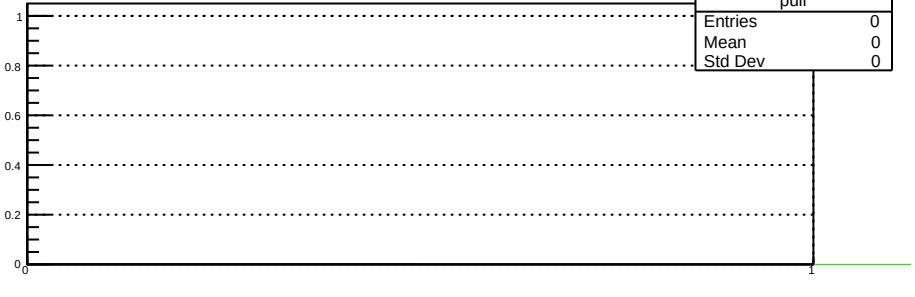
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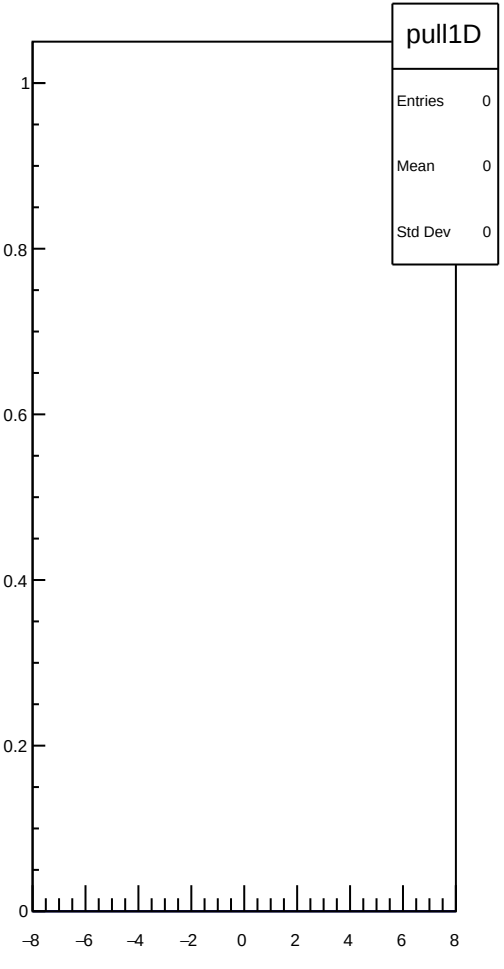
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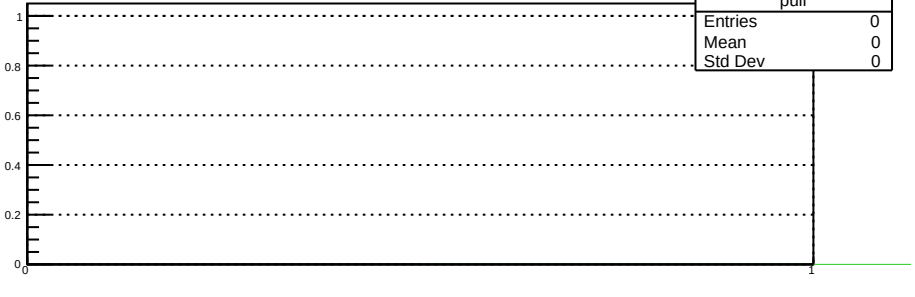
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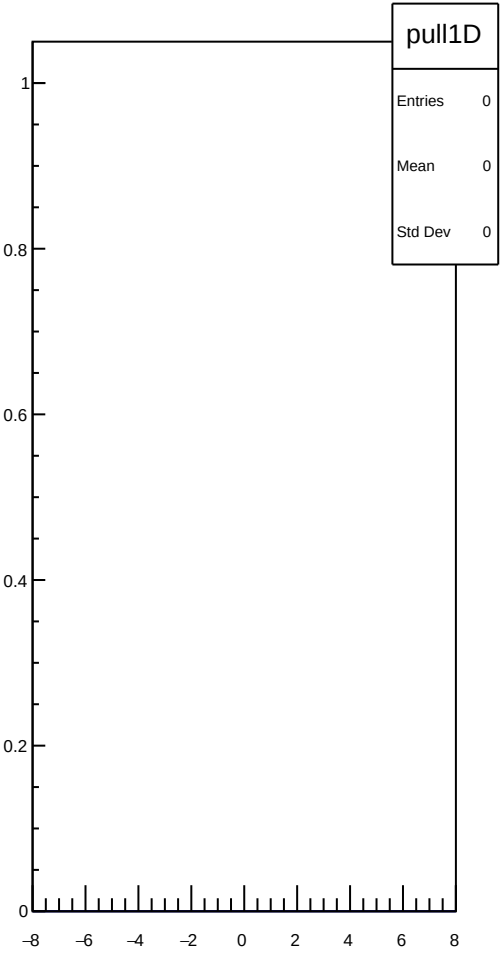
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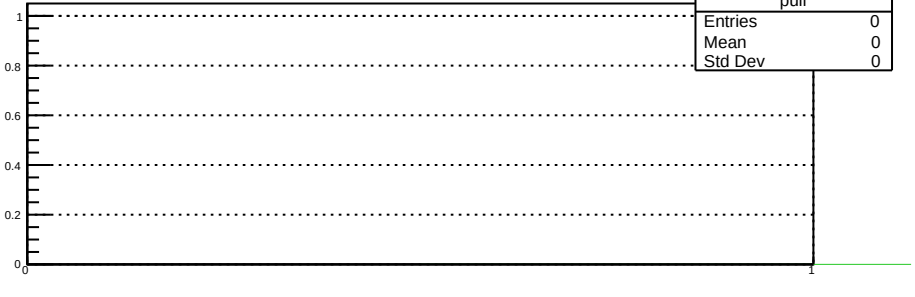
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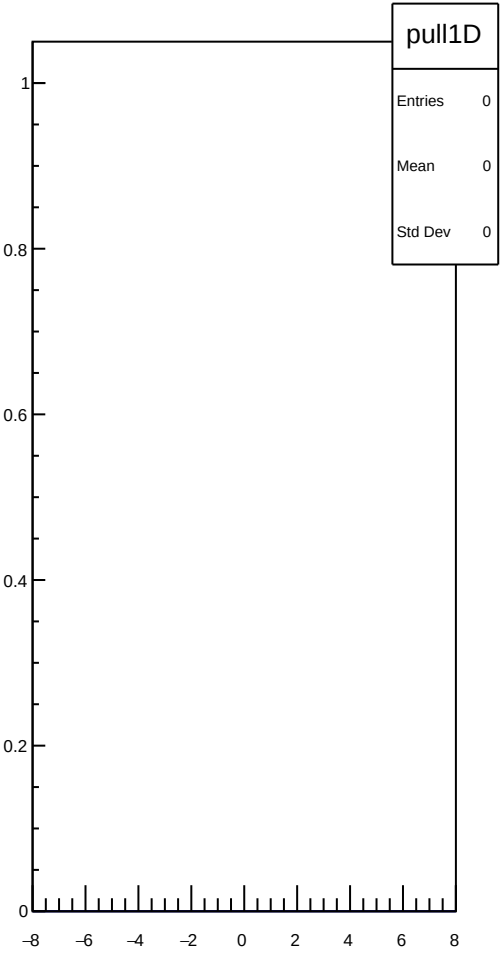
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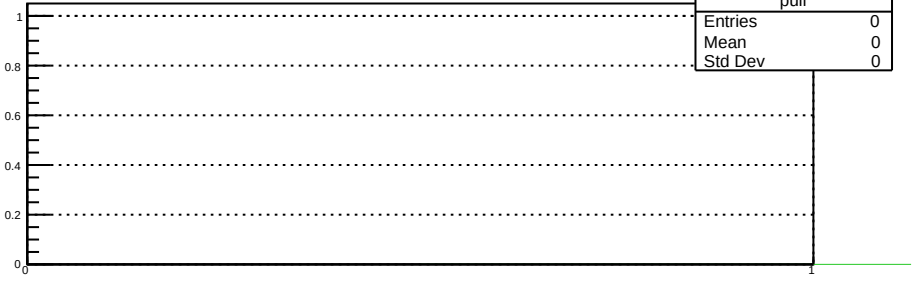
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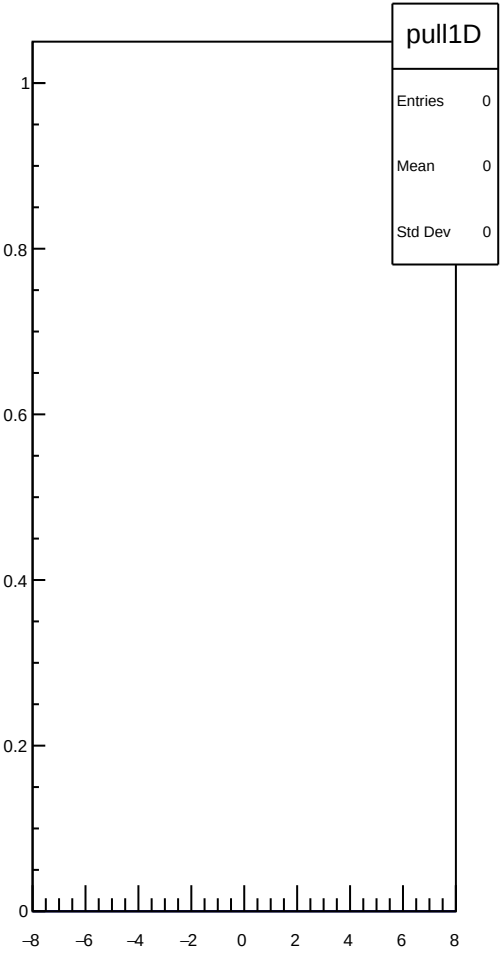
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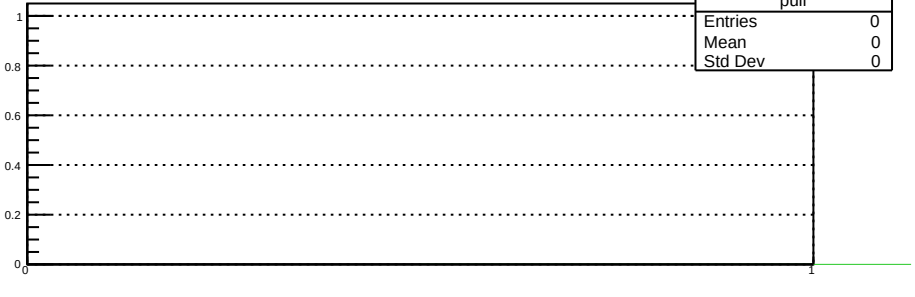
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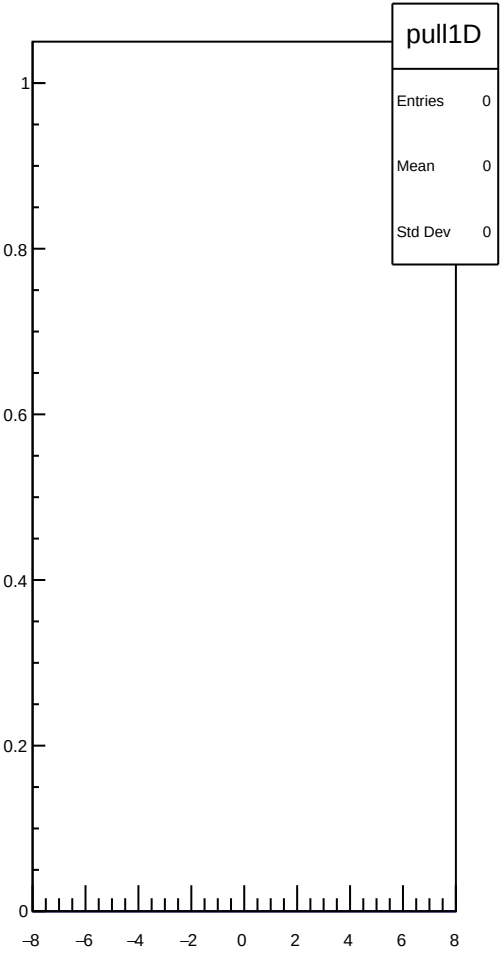
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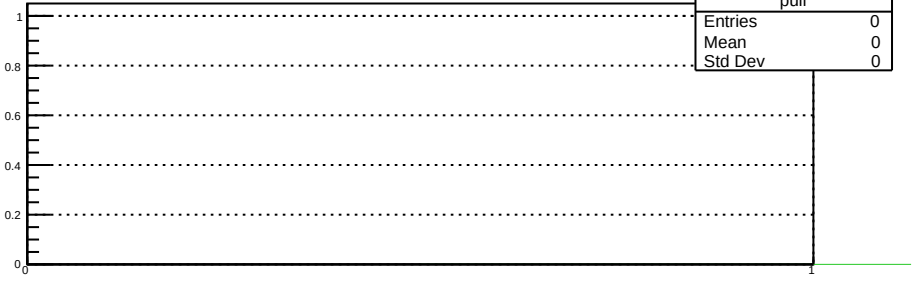
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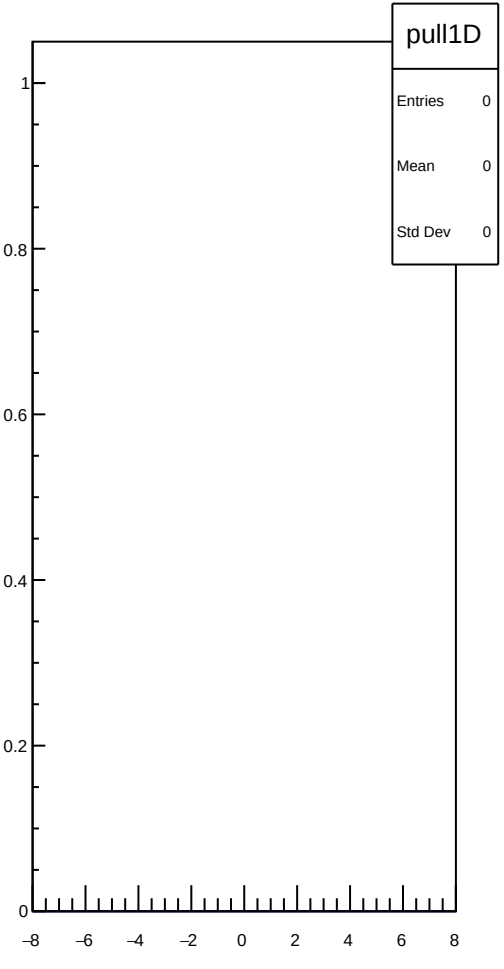
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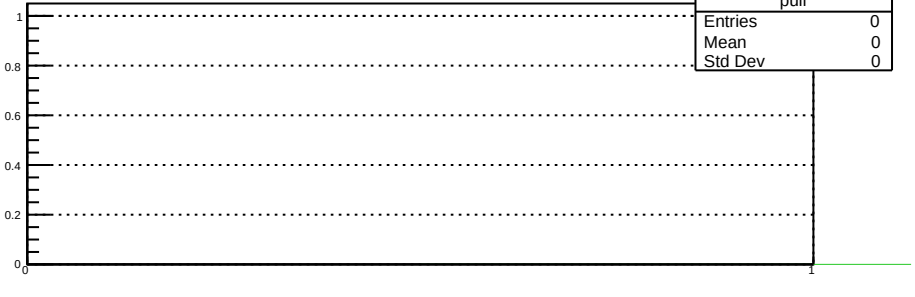
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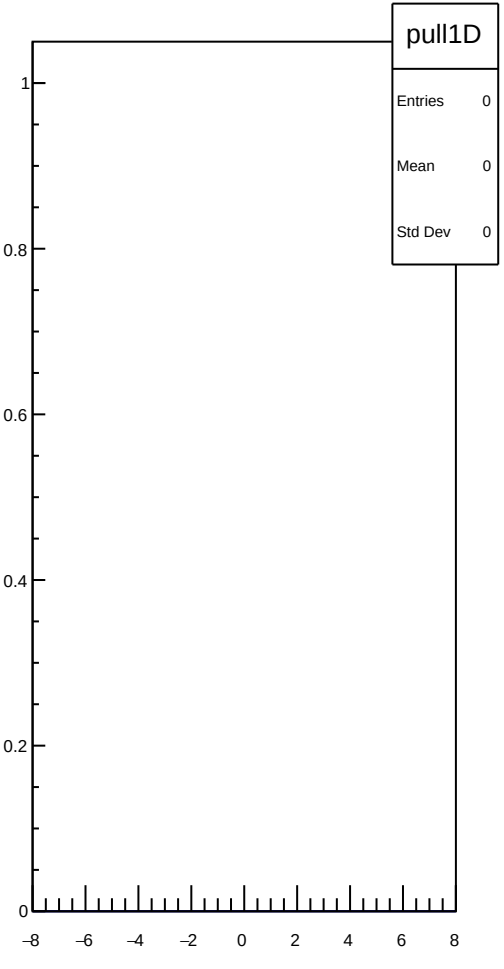
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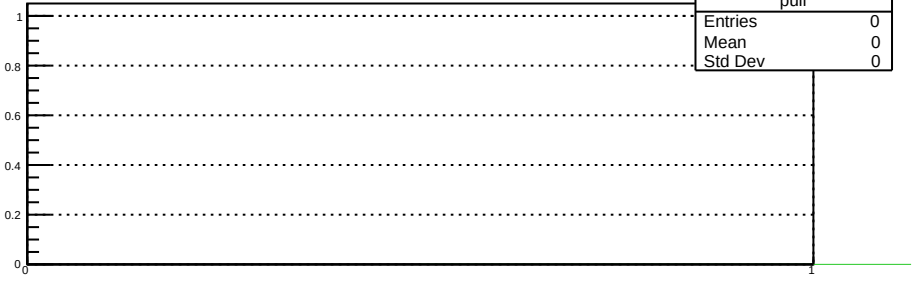
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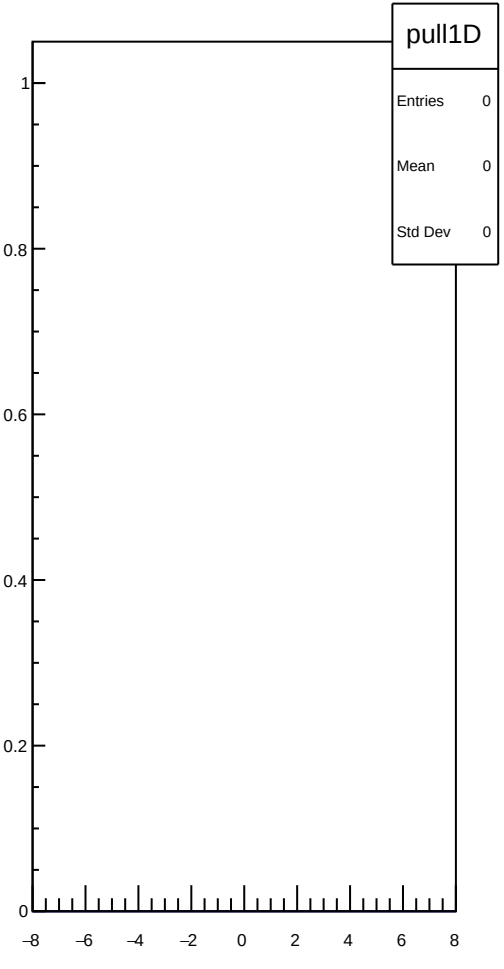
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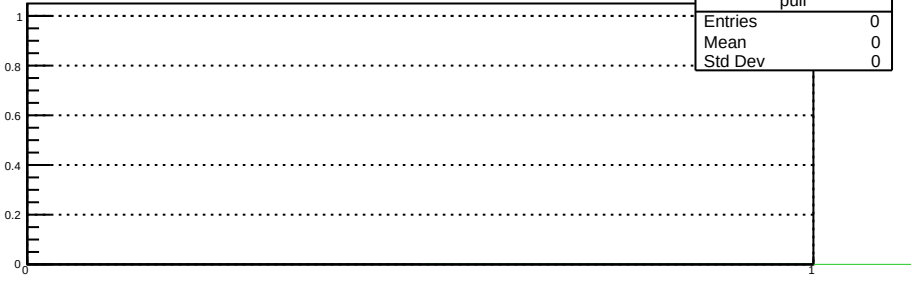
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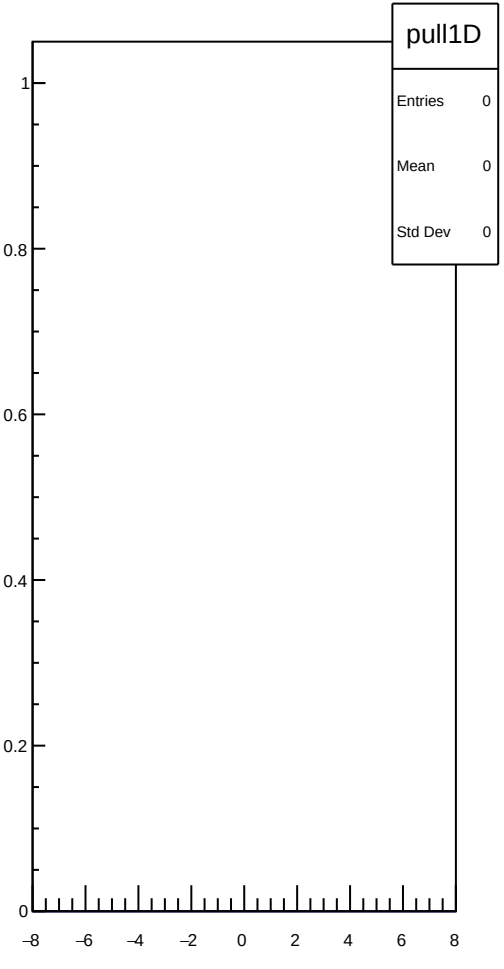
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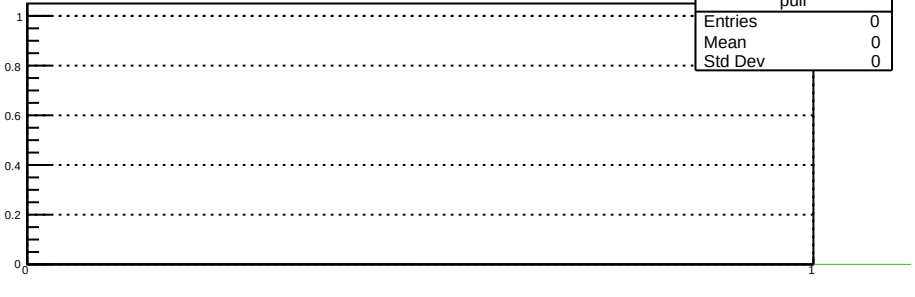
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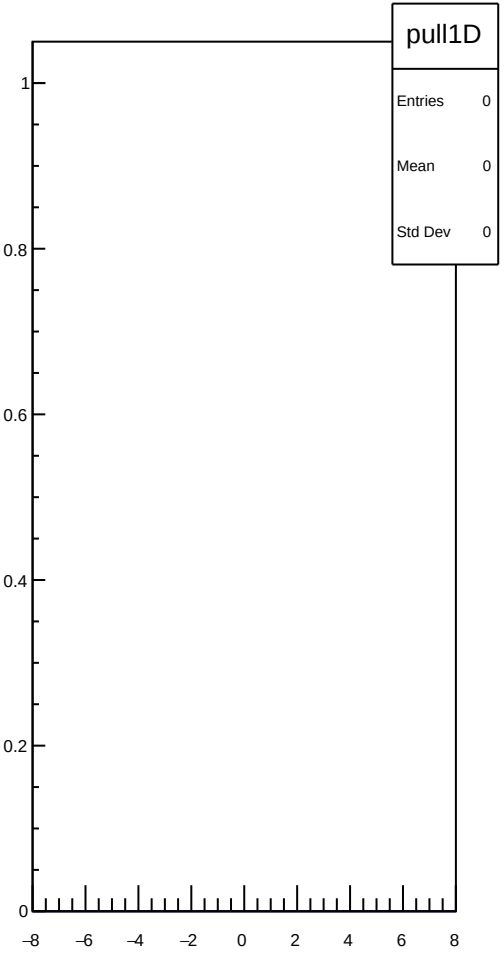
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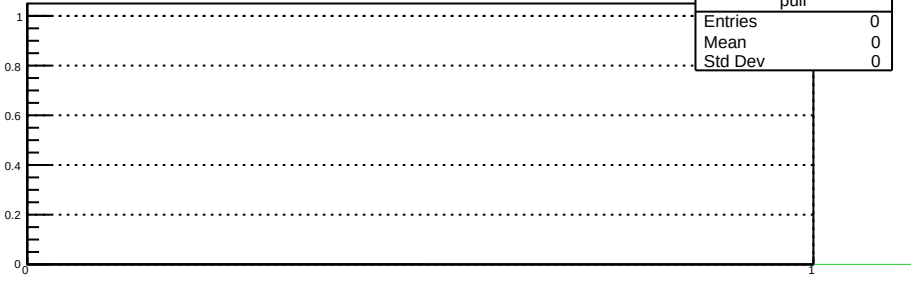
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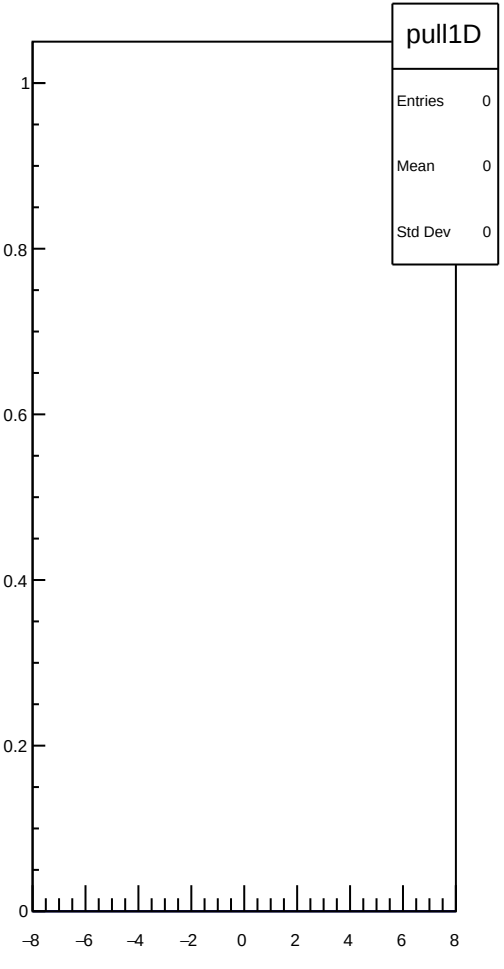
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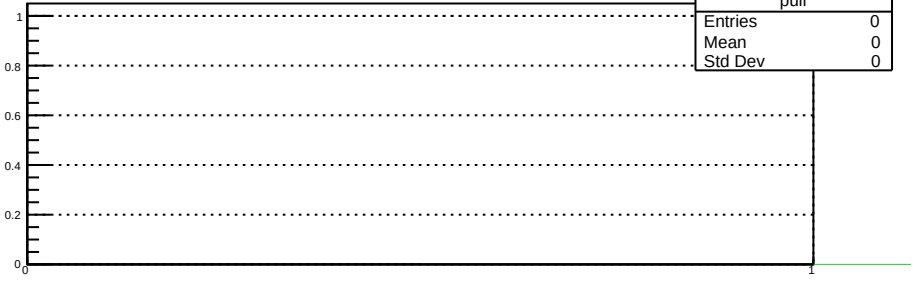
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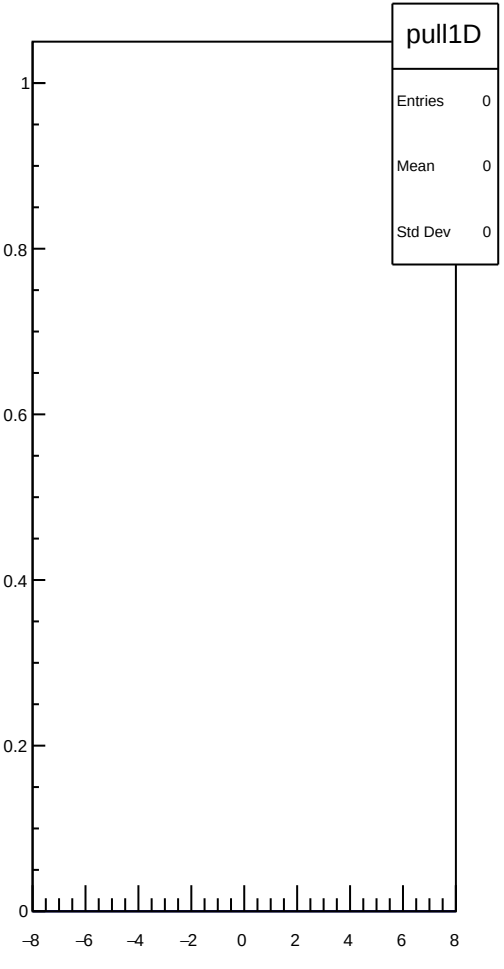
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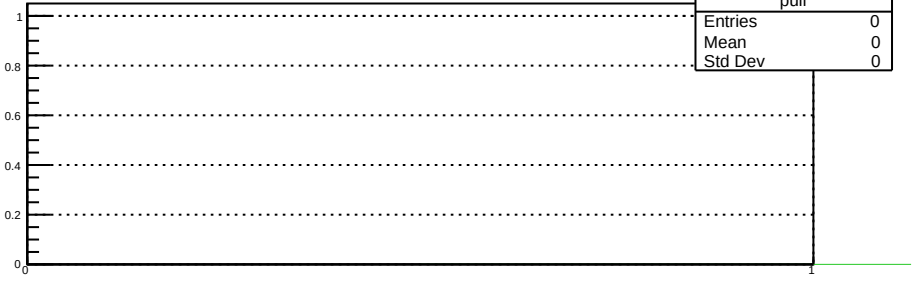
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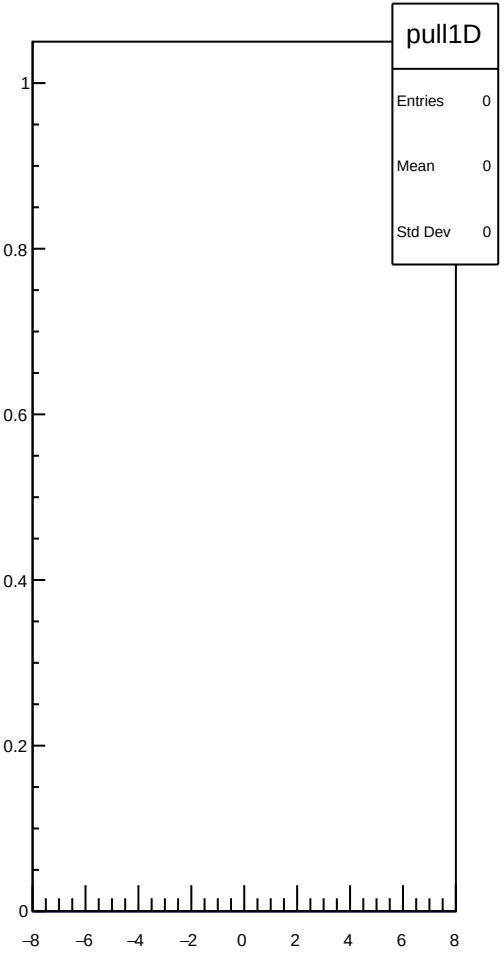
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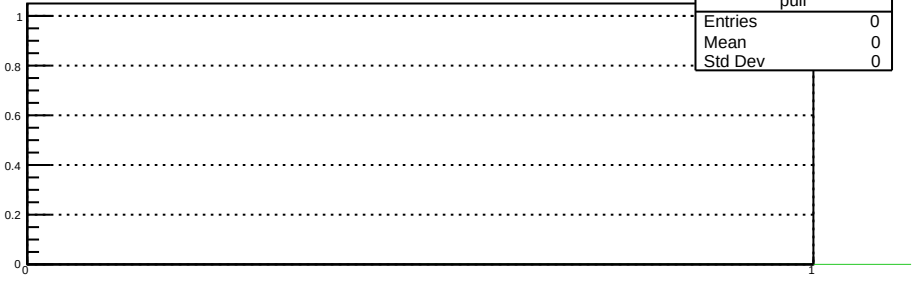
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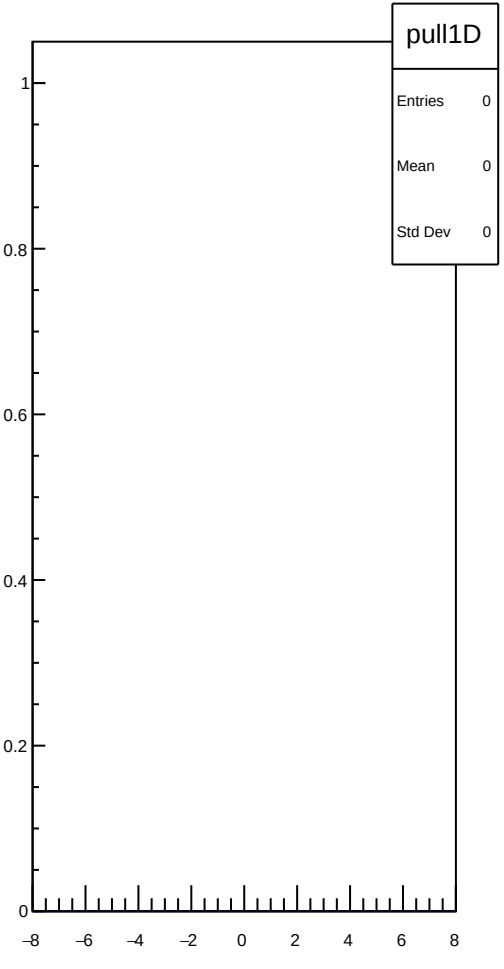
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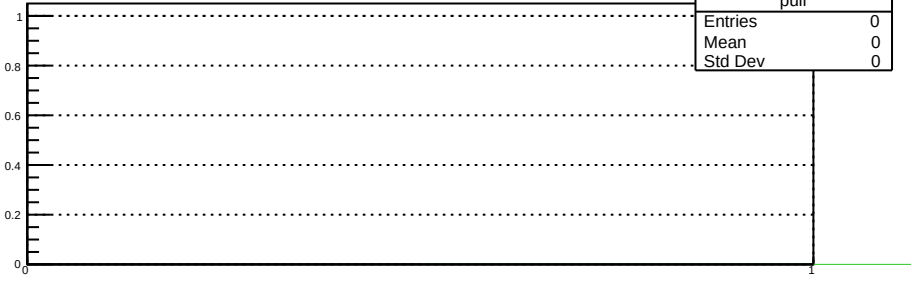
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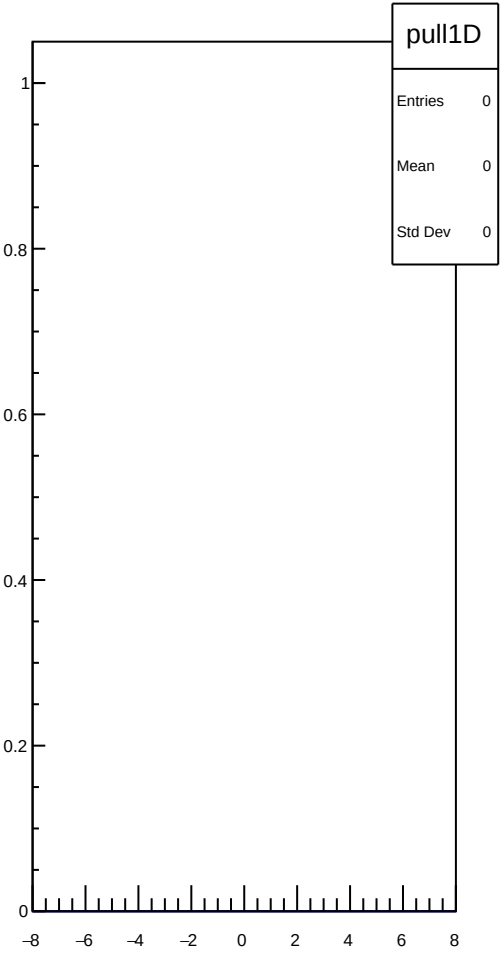
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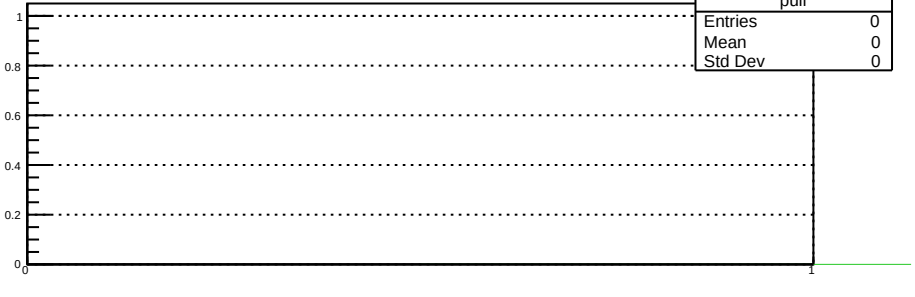
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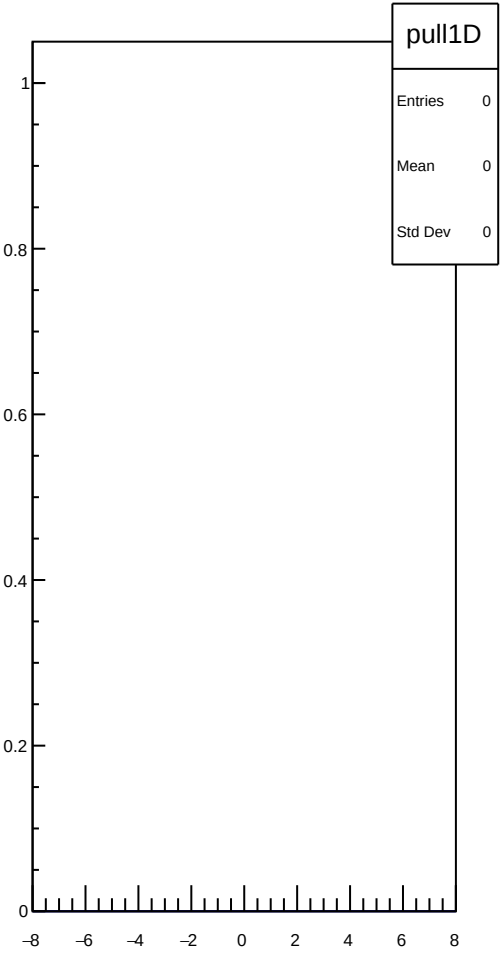
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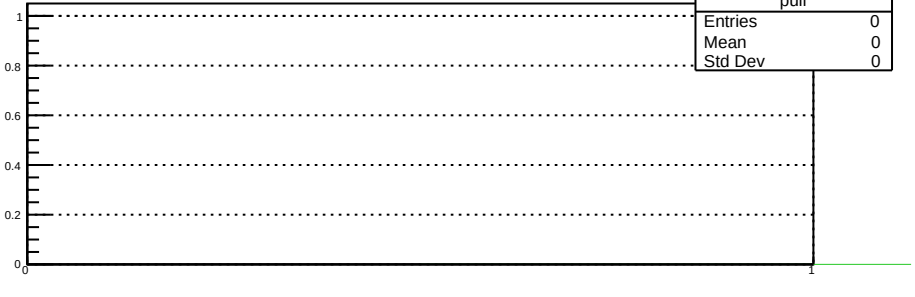
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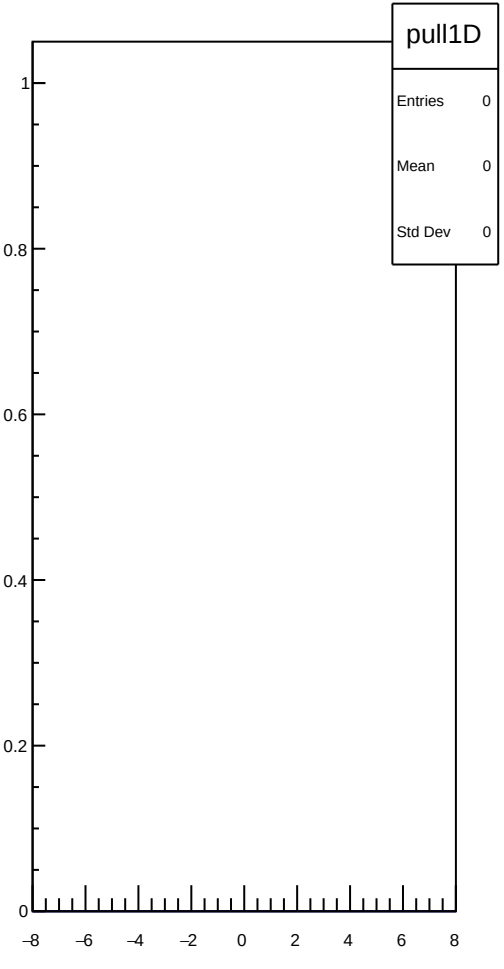
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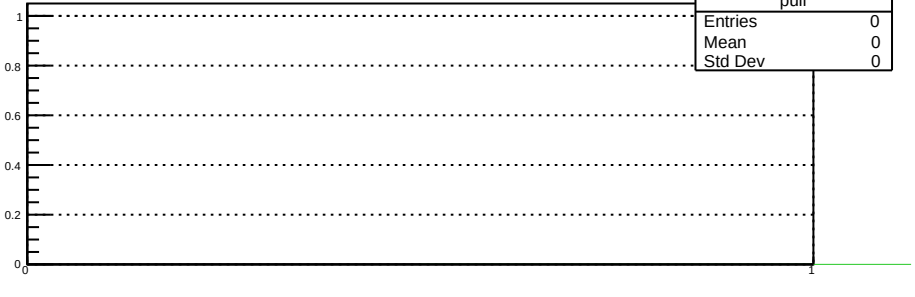
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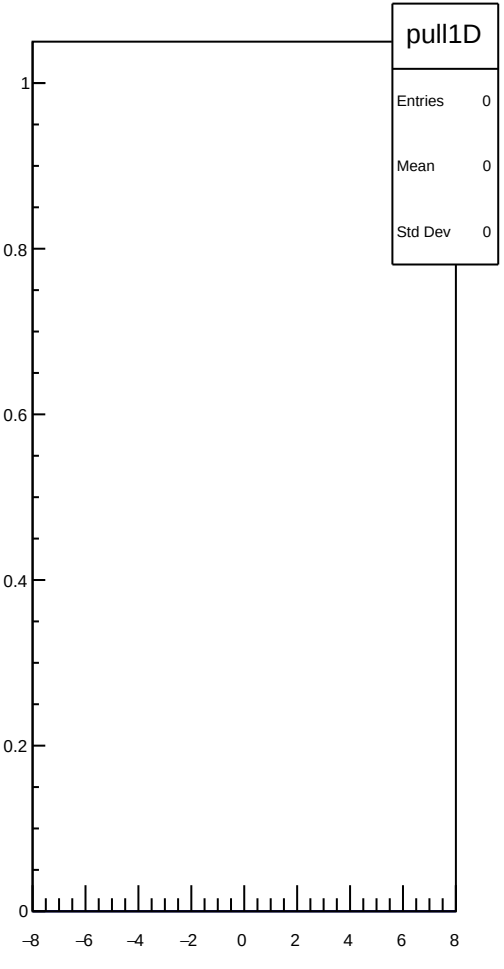
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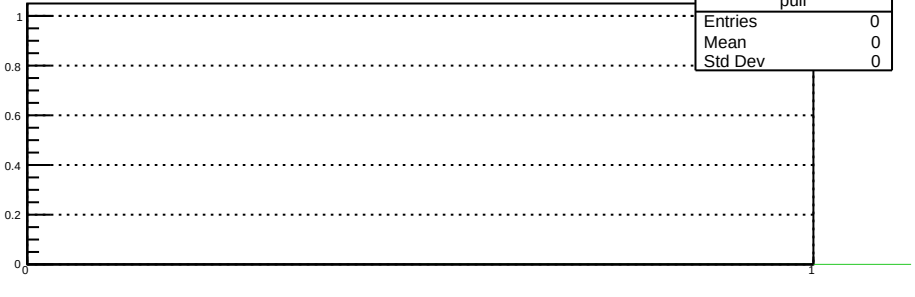
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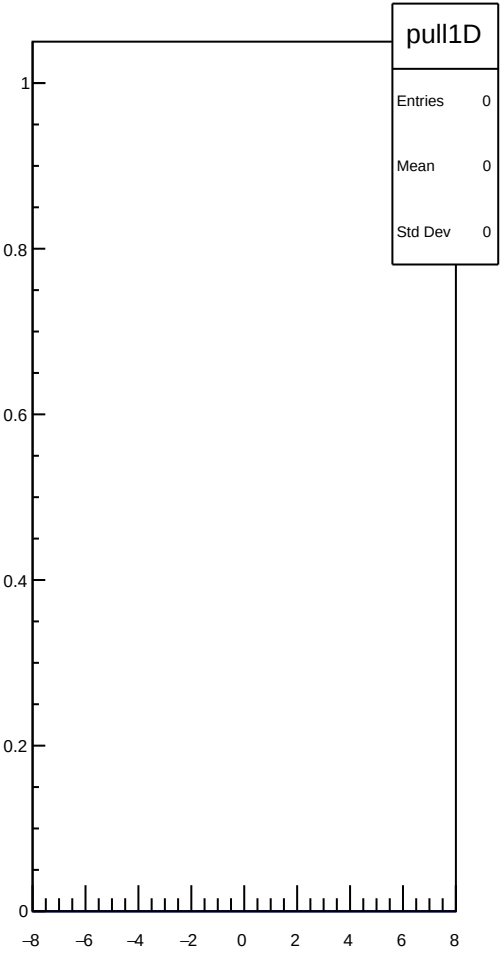
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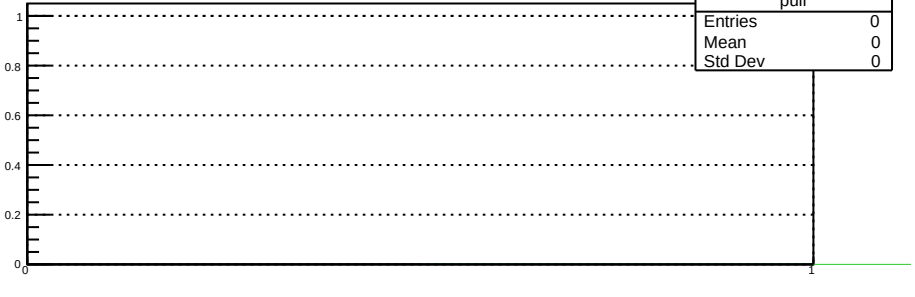
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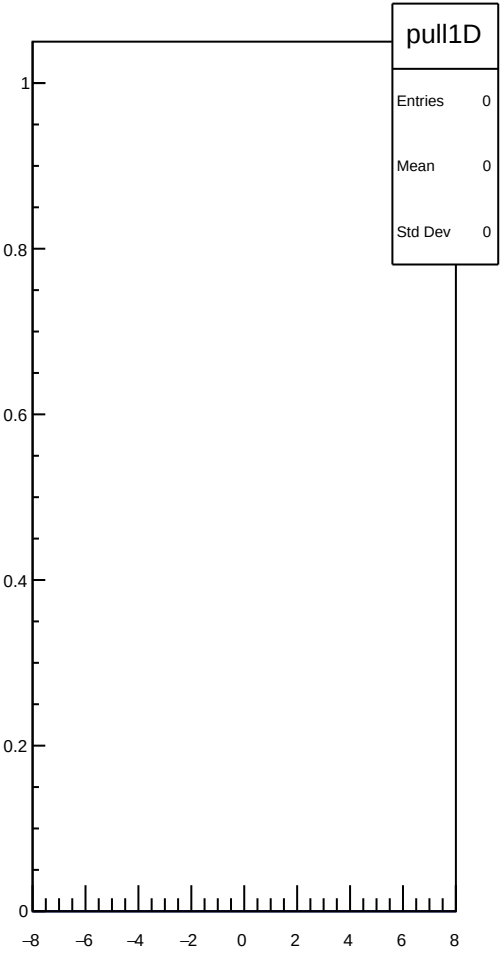
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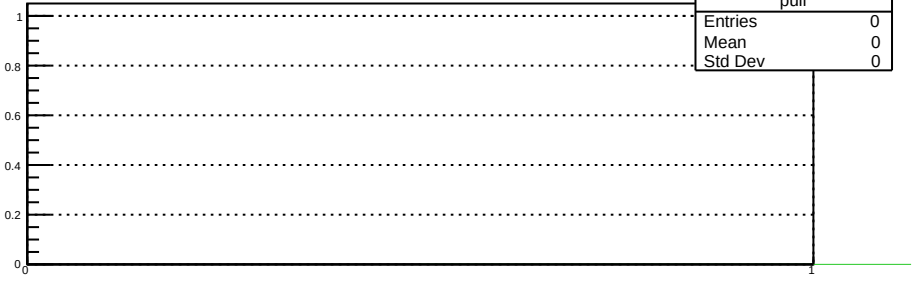
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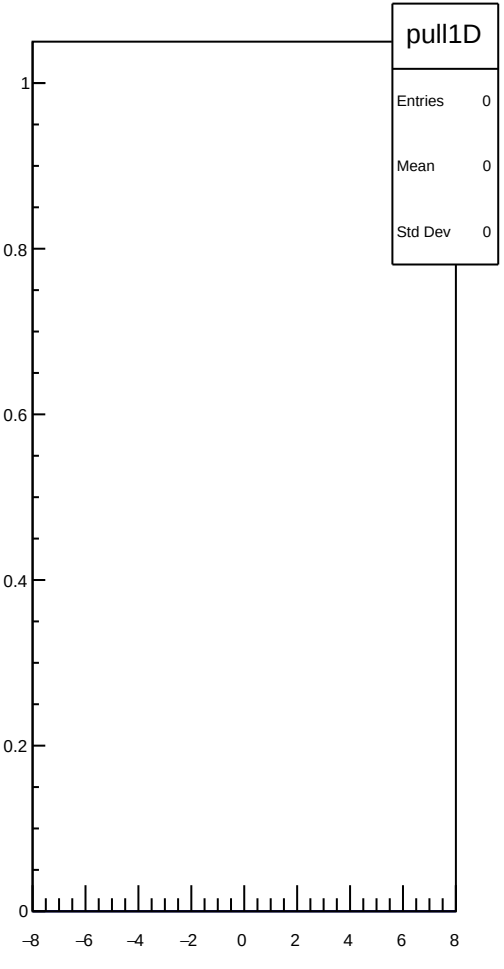
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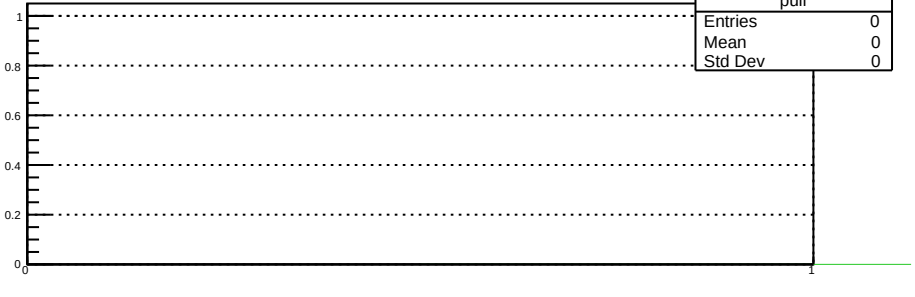
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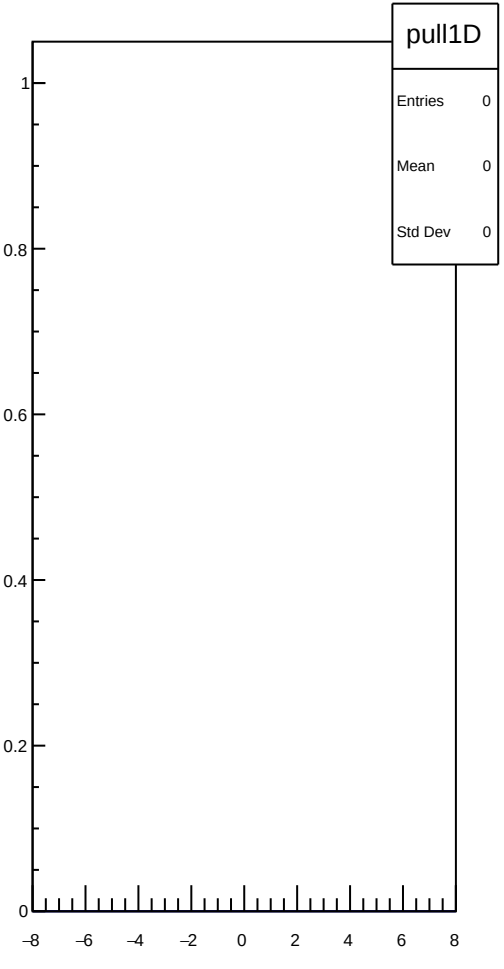
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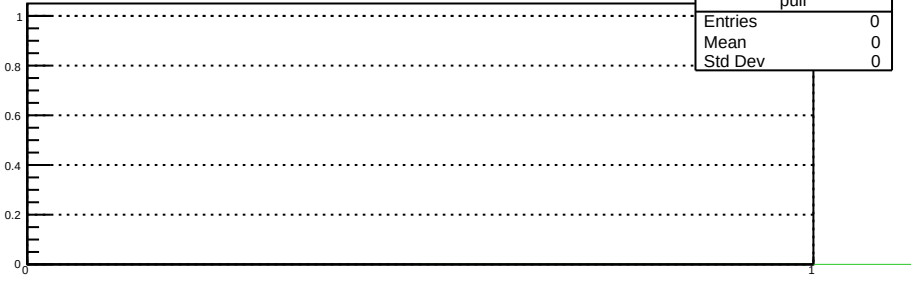
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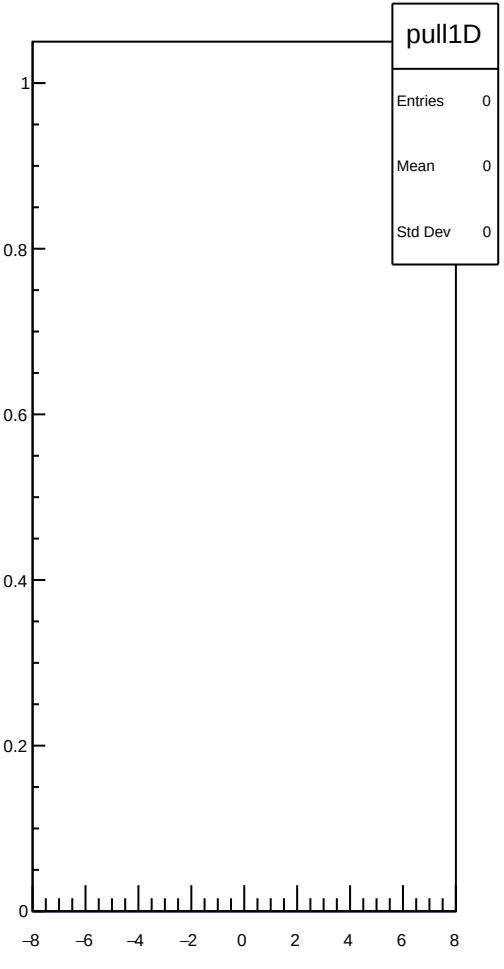
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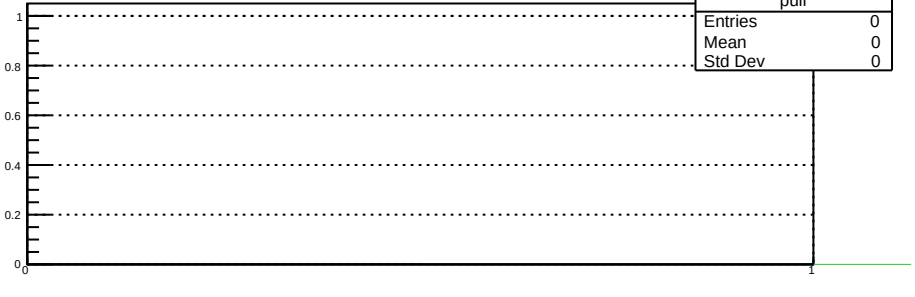
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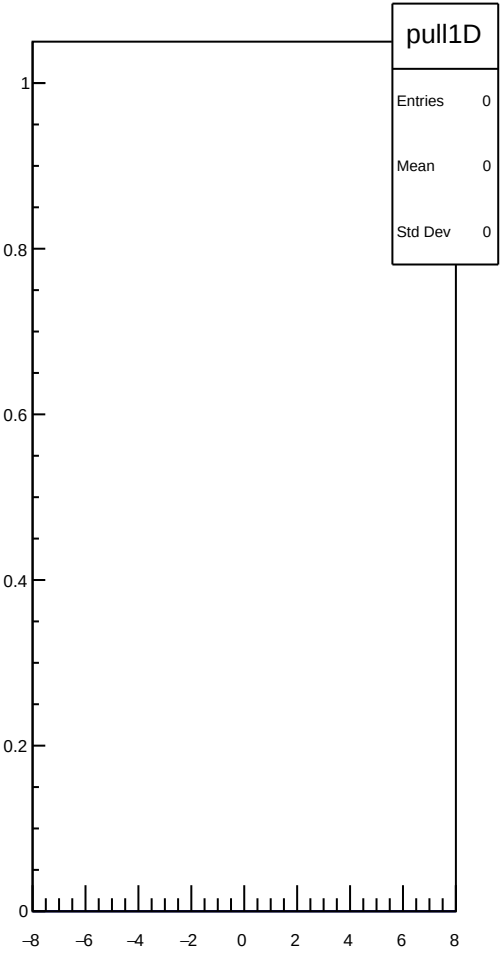
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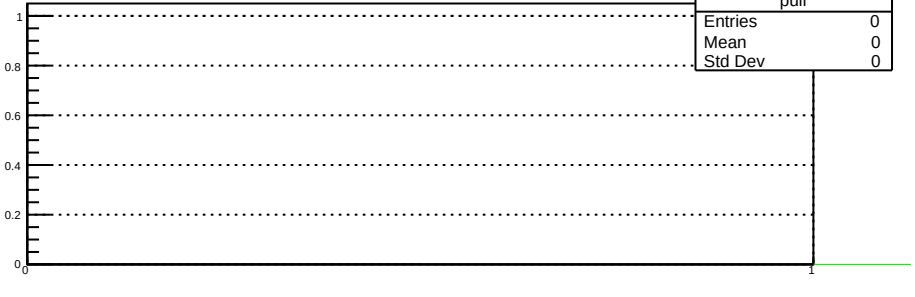
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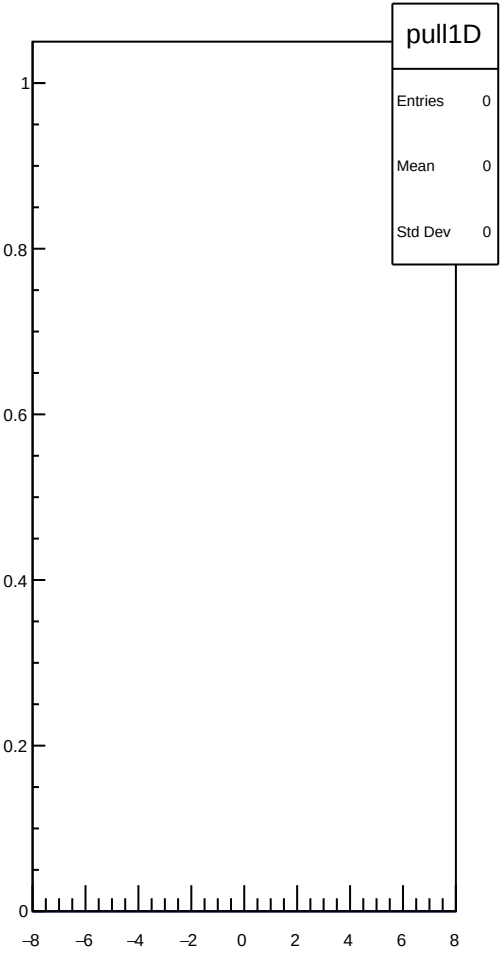
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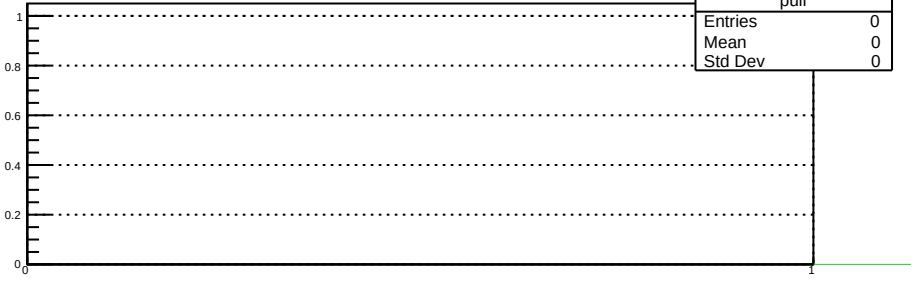
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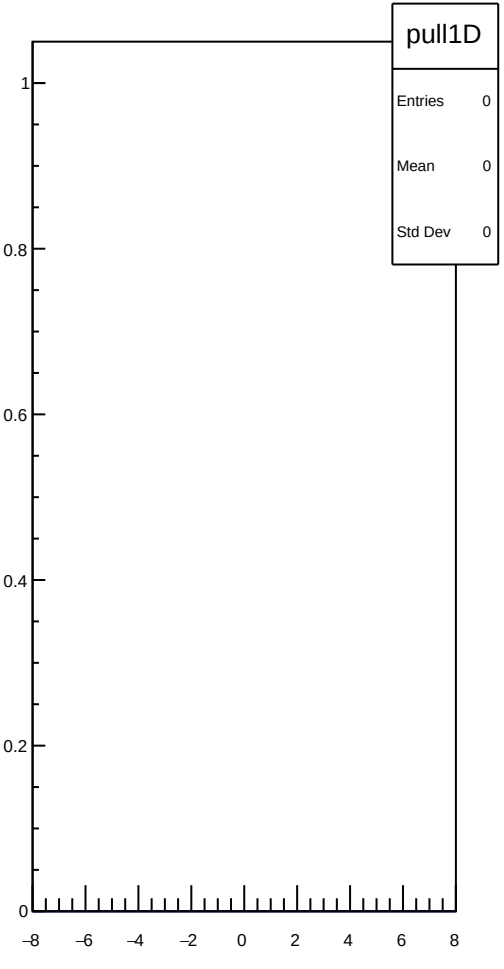
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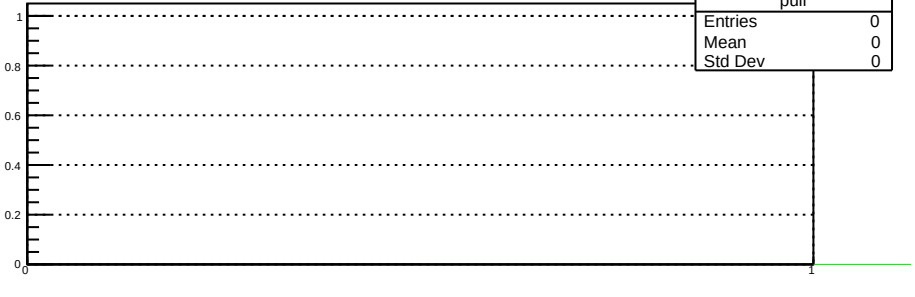
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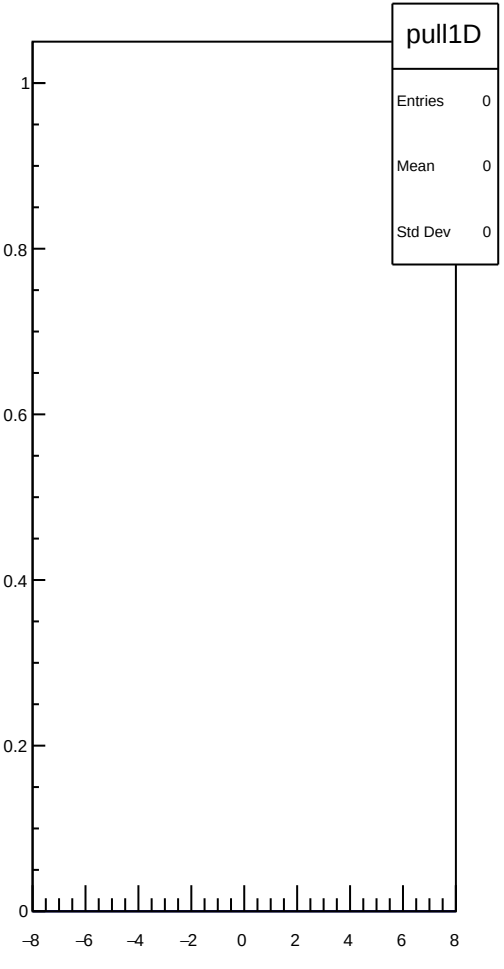
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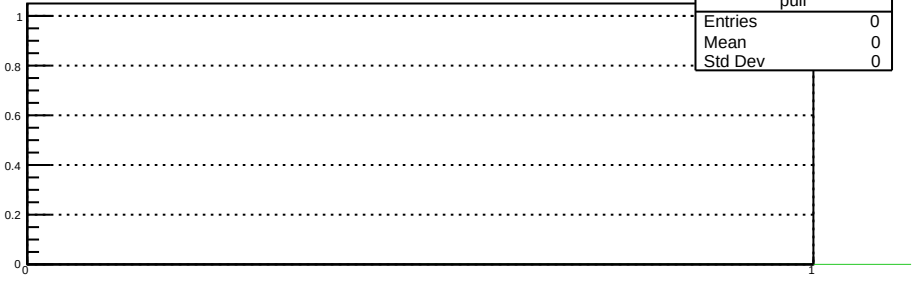
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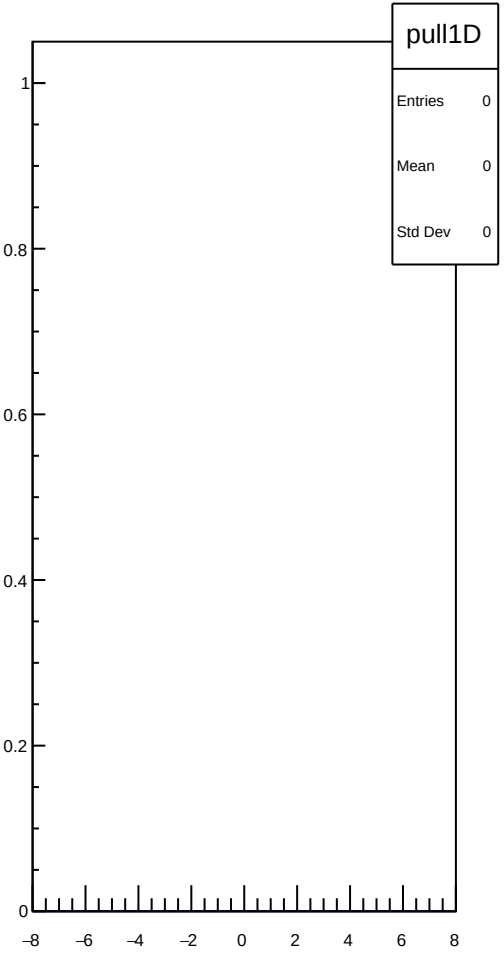
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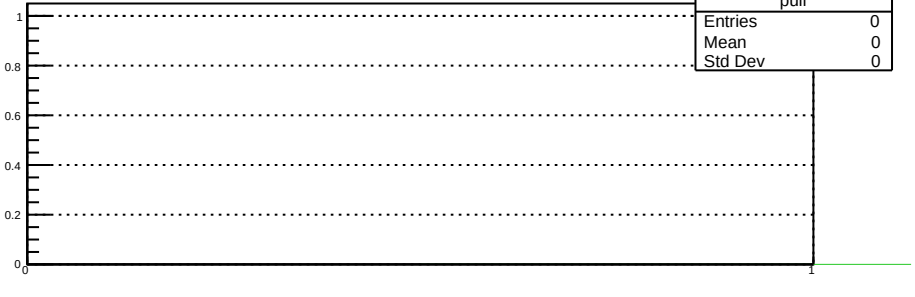
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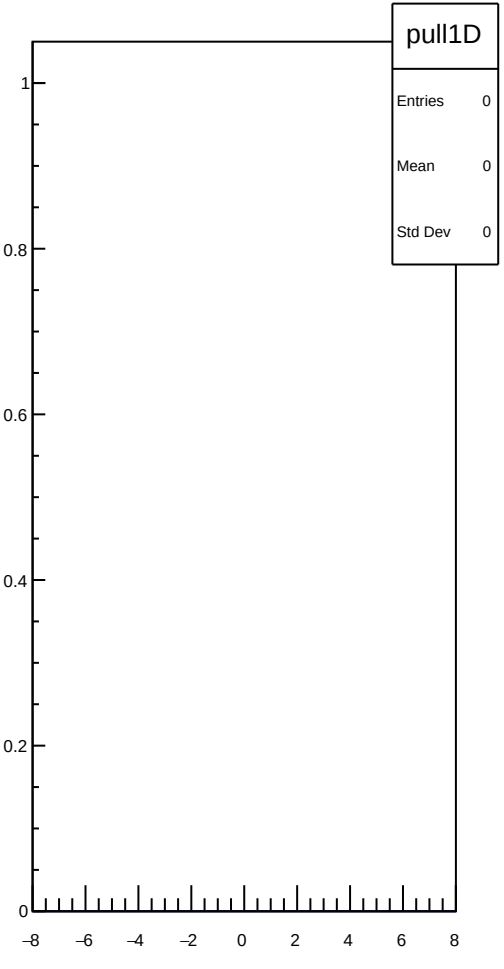
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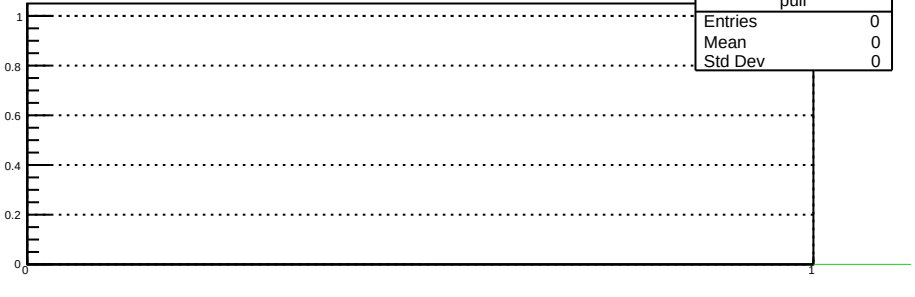
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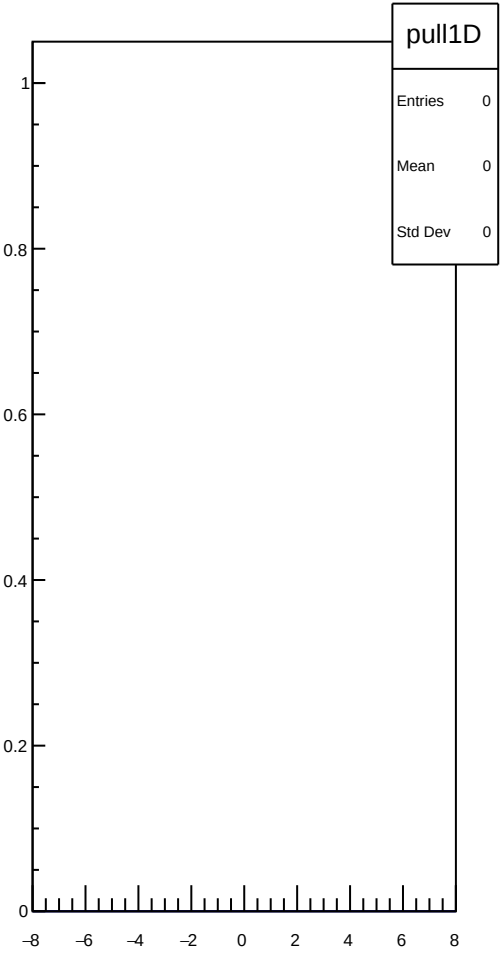
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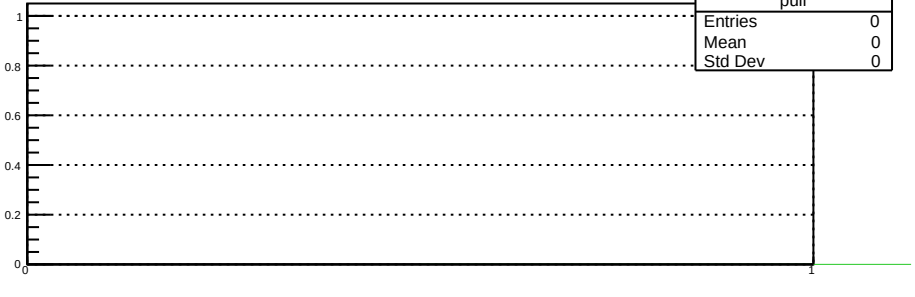
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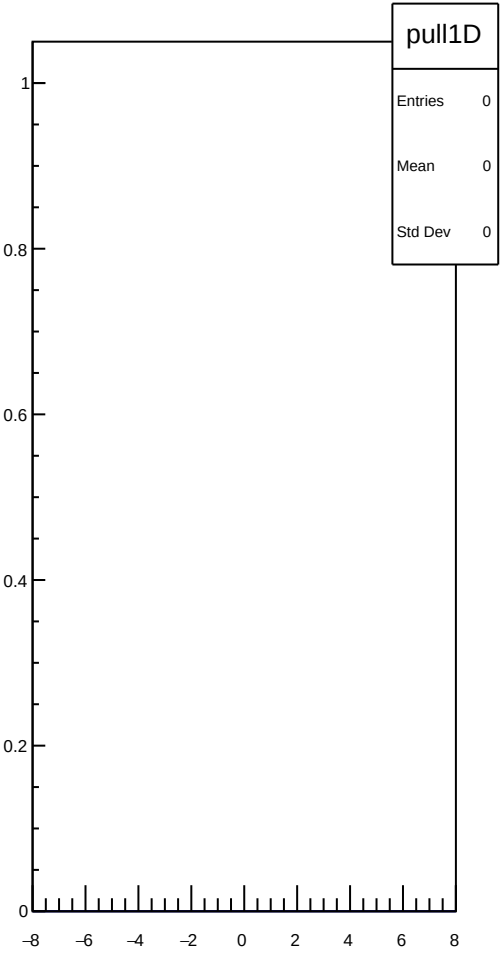
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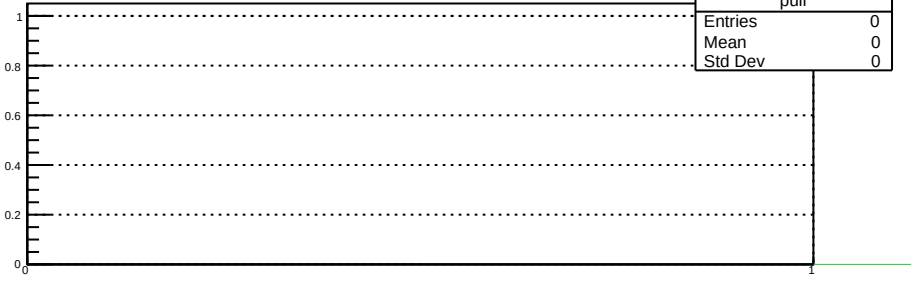
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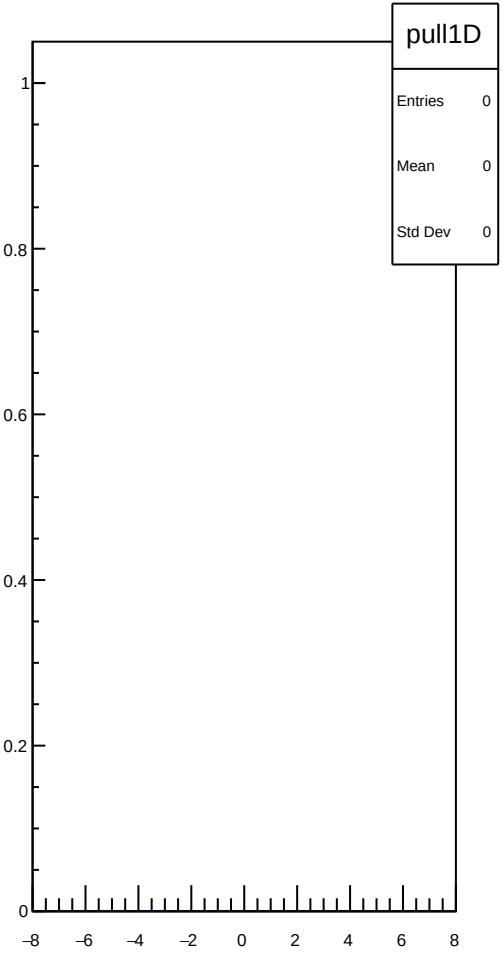
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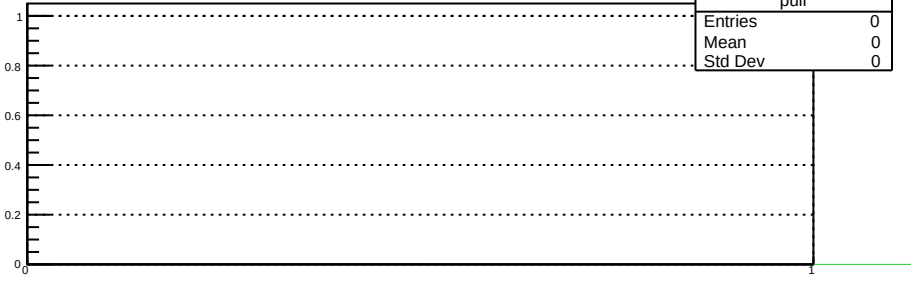
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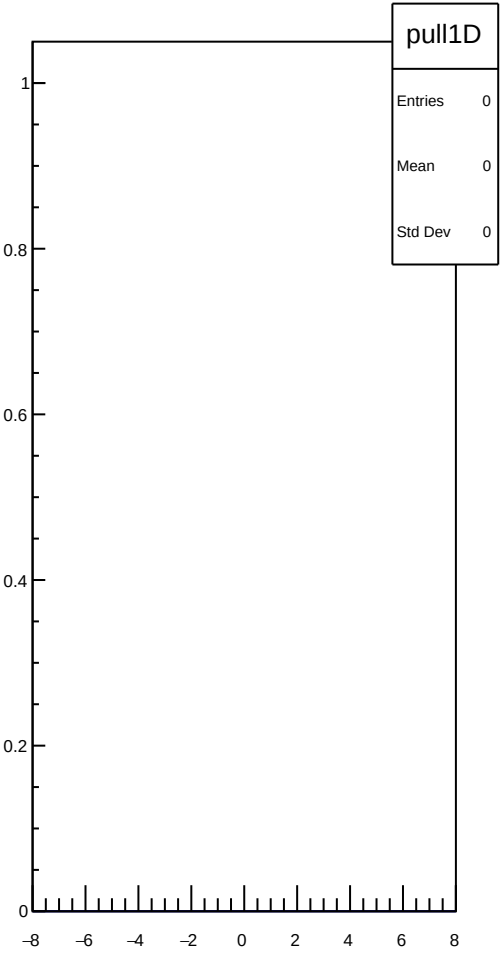
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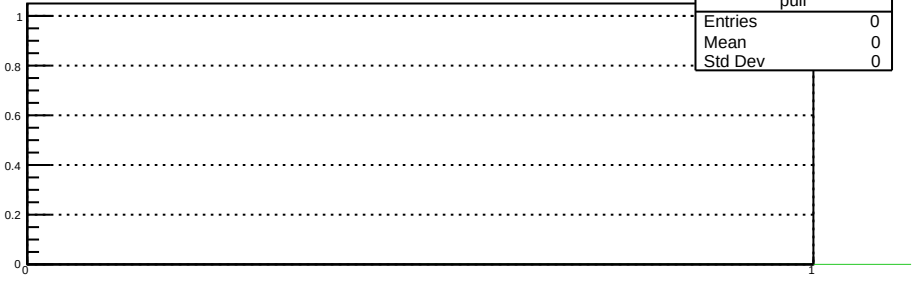
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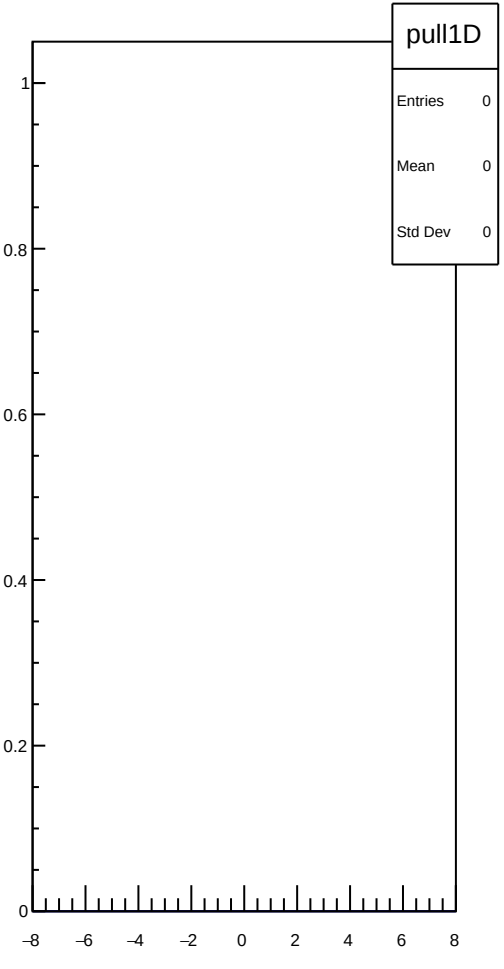
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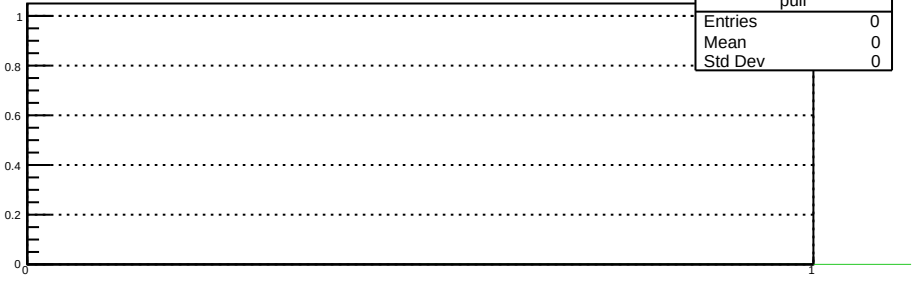
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Std Dev 0
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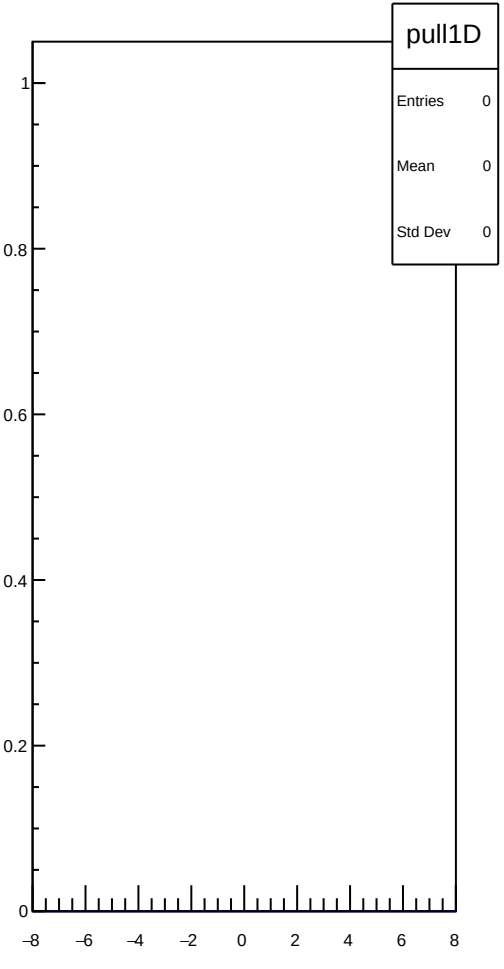
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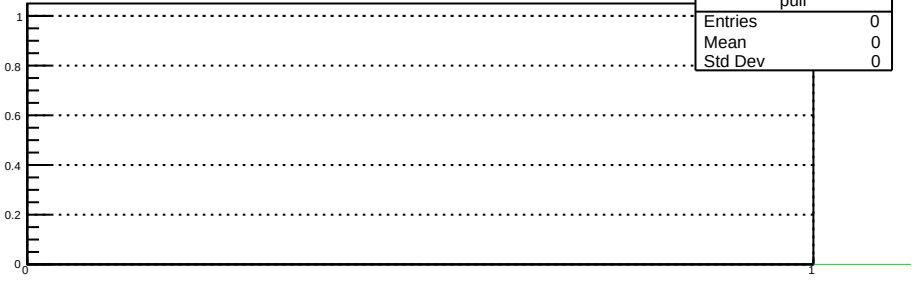
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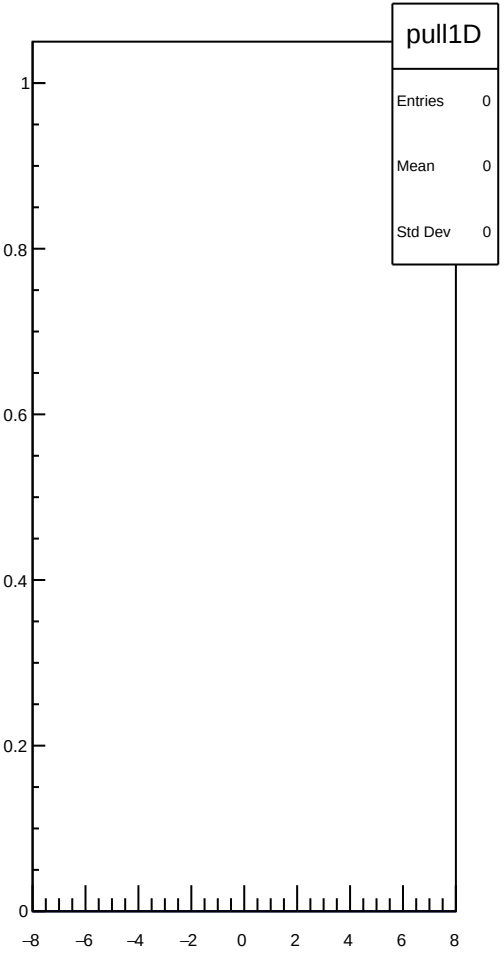
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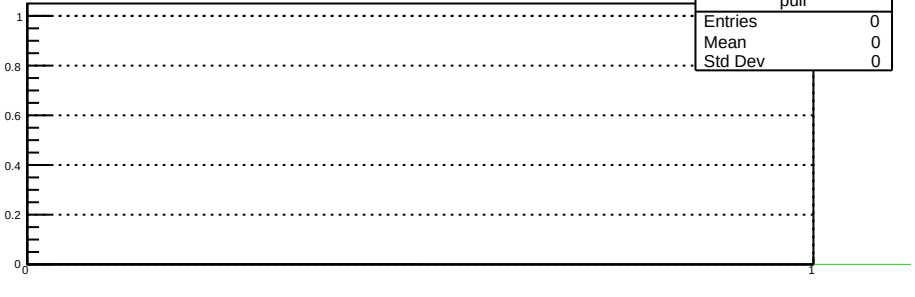
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Std Dev 0
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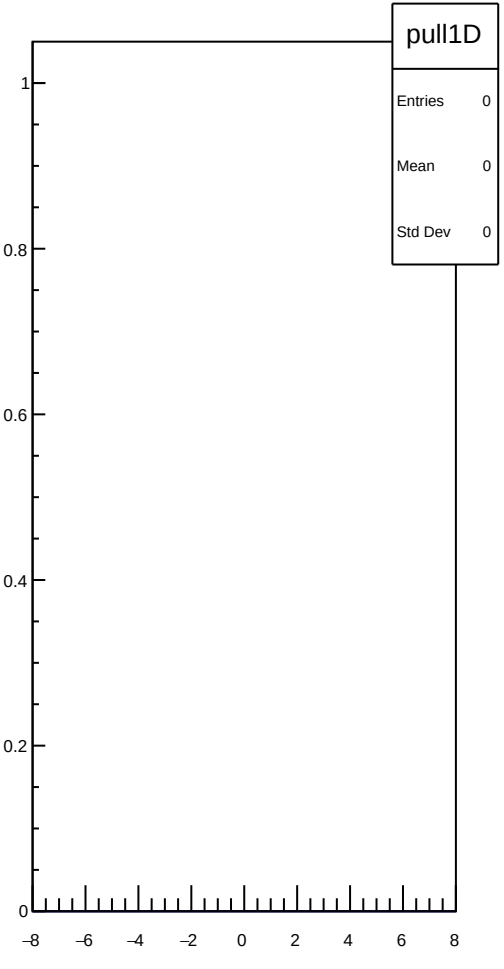
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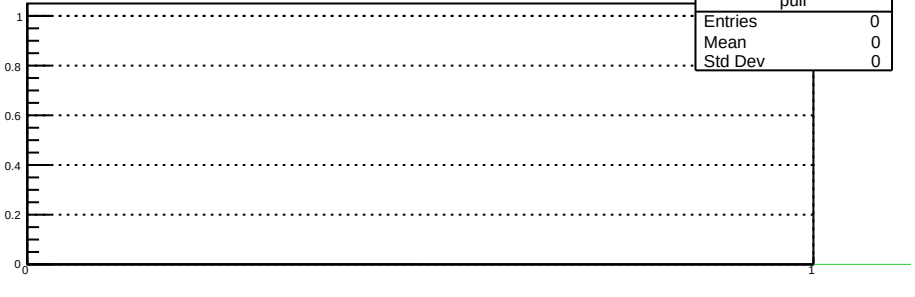
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Std Dev 0
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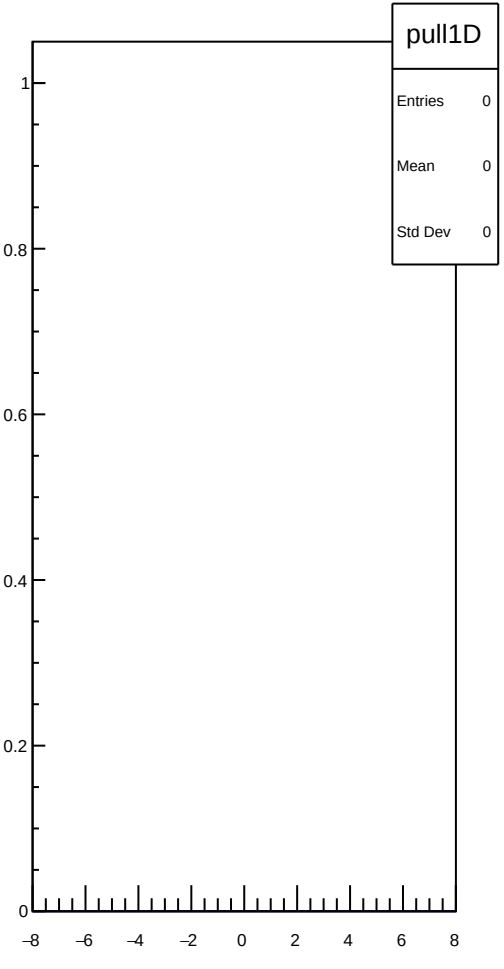
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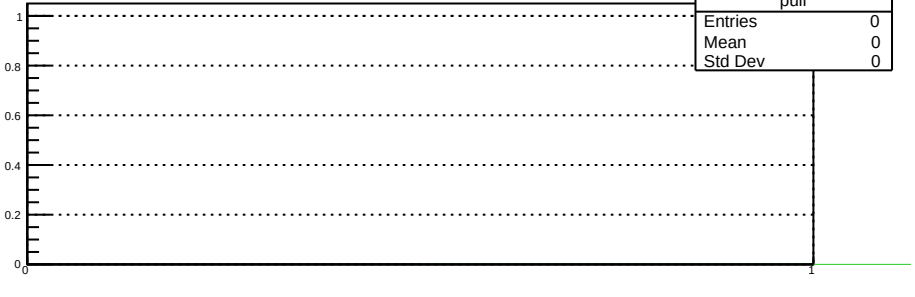
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Std Dev 0
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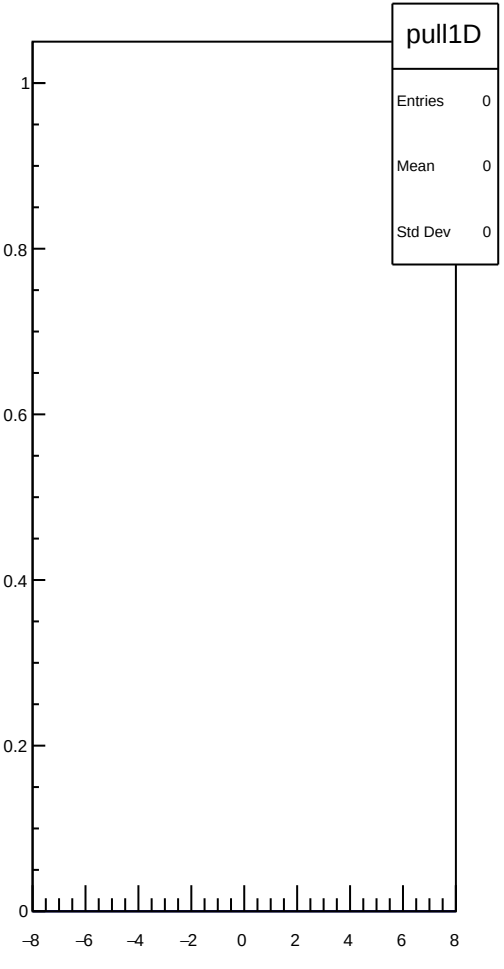
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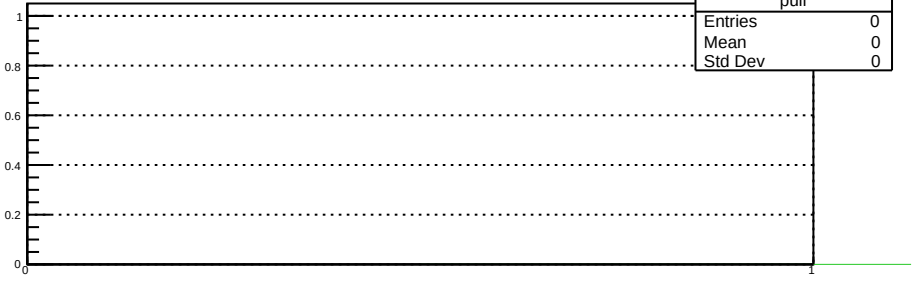
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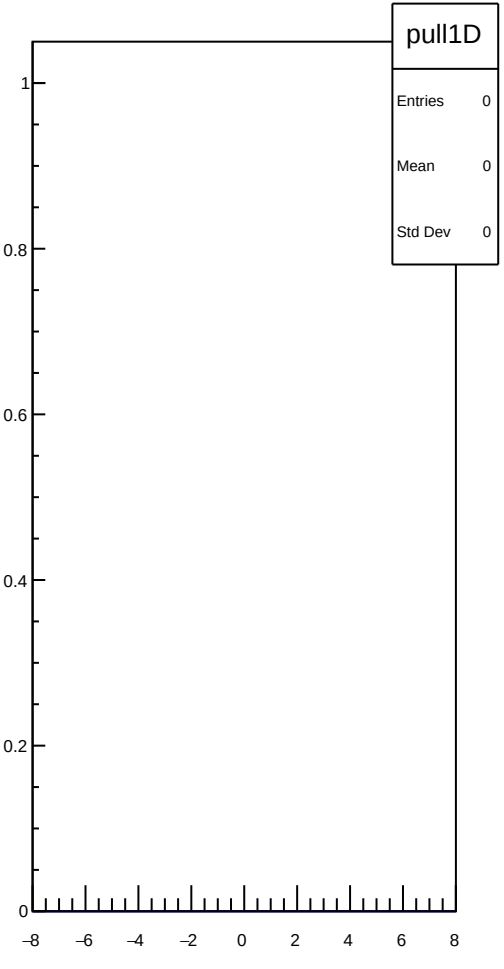
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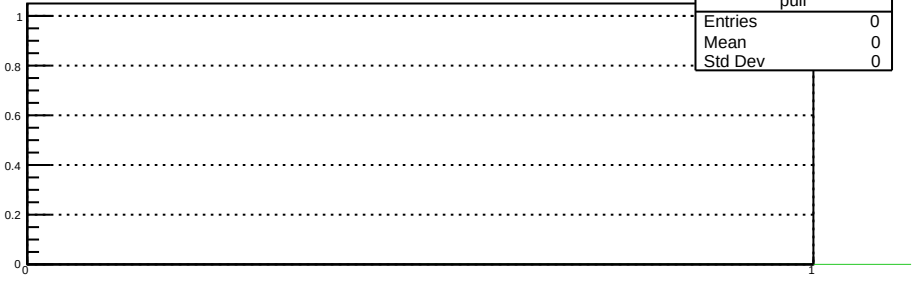
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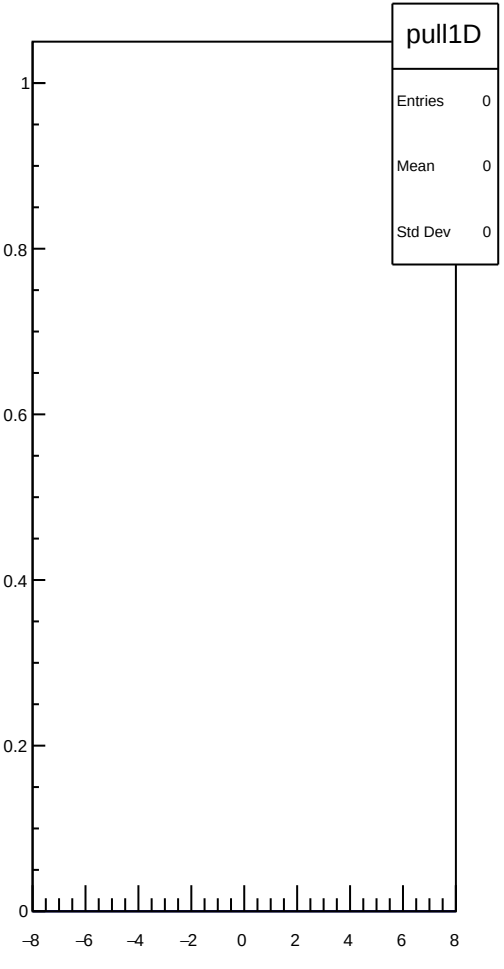
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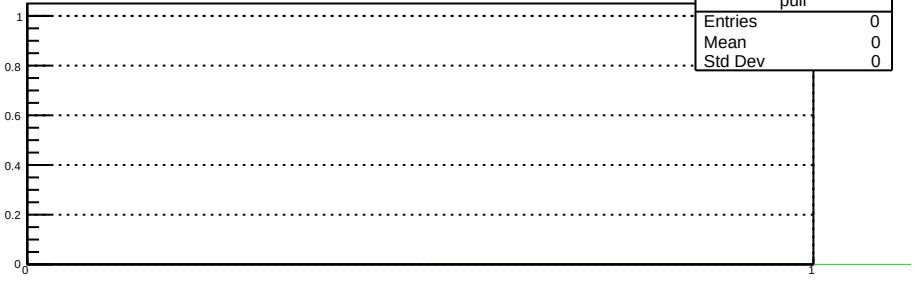
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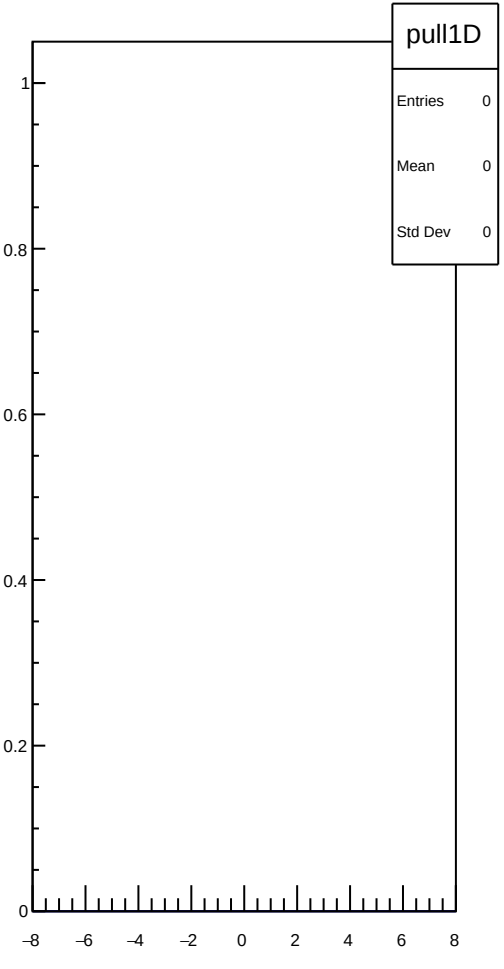
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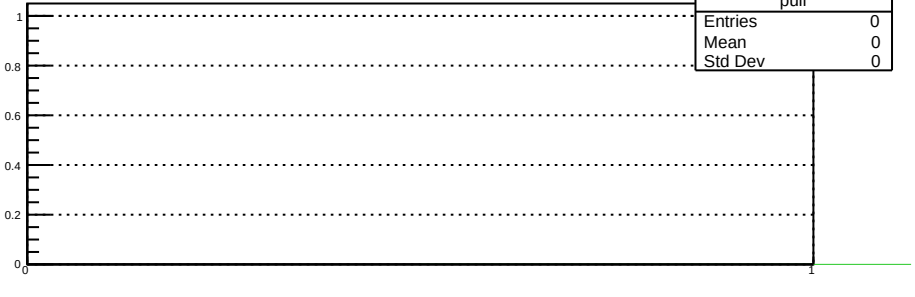
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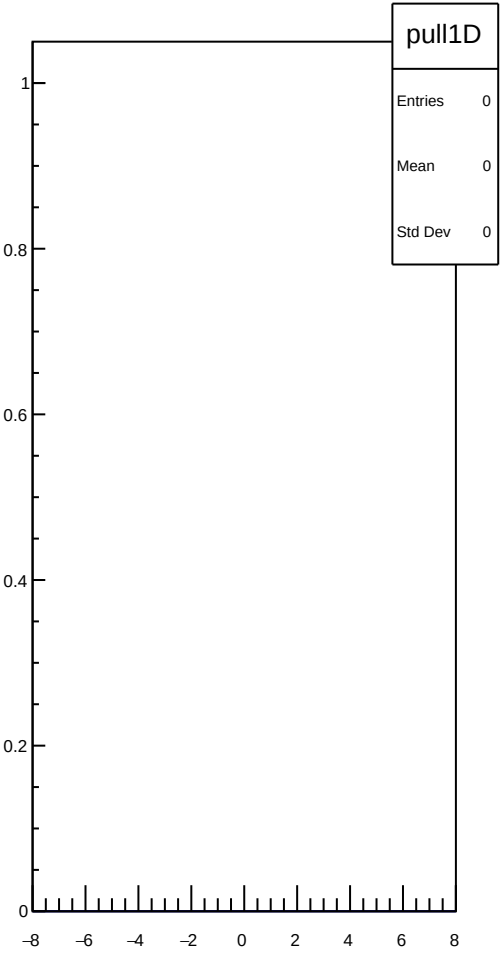
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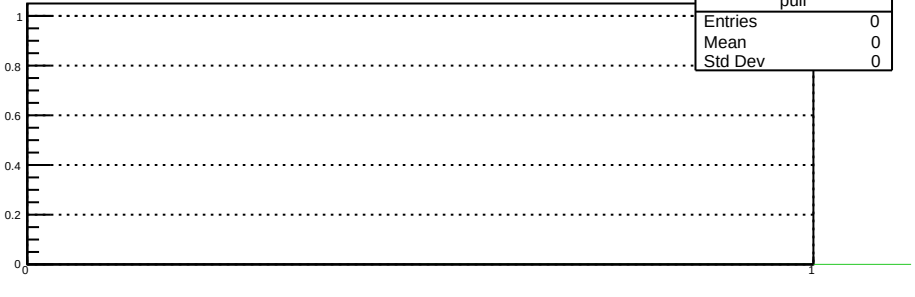
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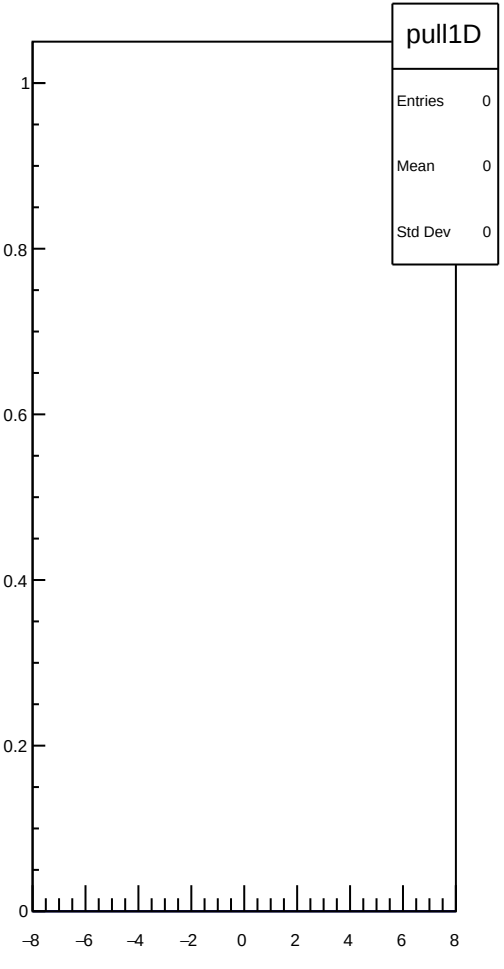
pull1D
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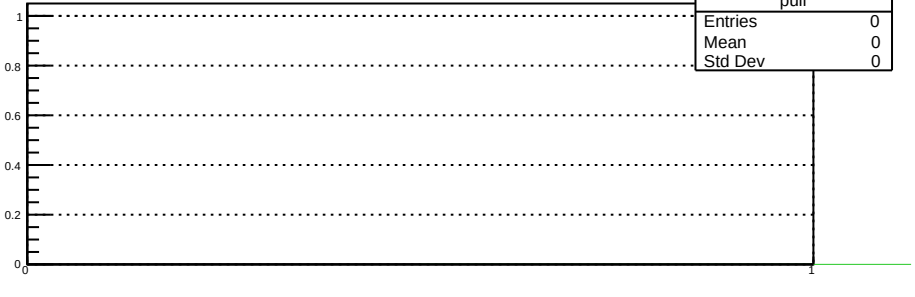
pull
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Mean 0
Std Dev 0
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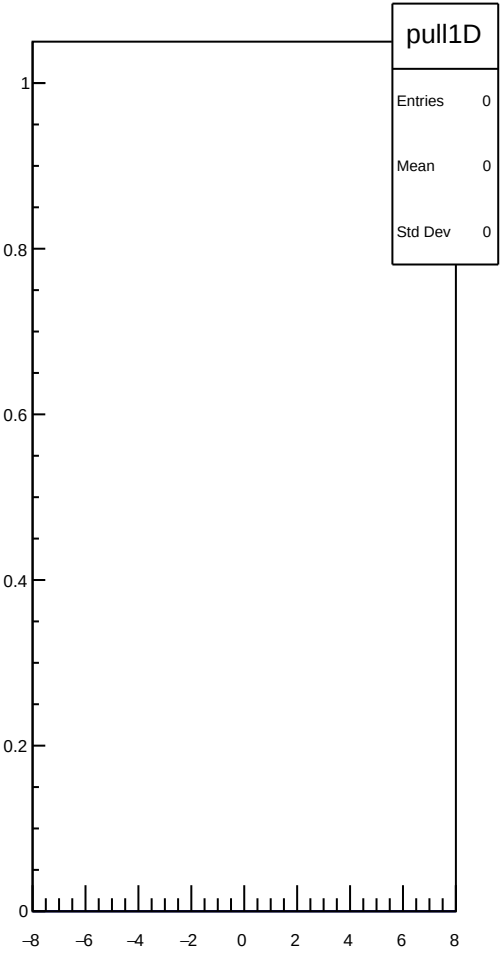
pull1D
Entries 0
Mean 0
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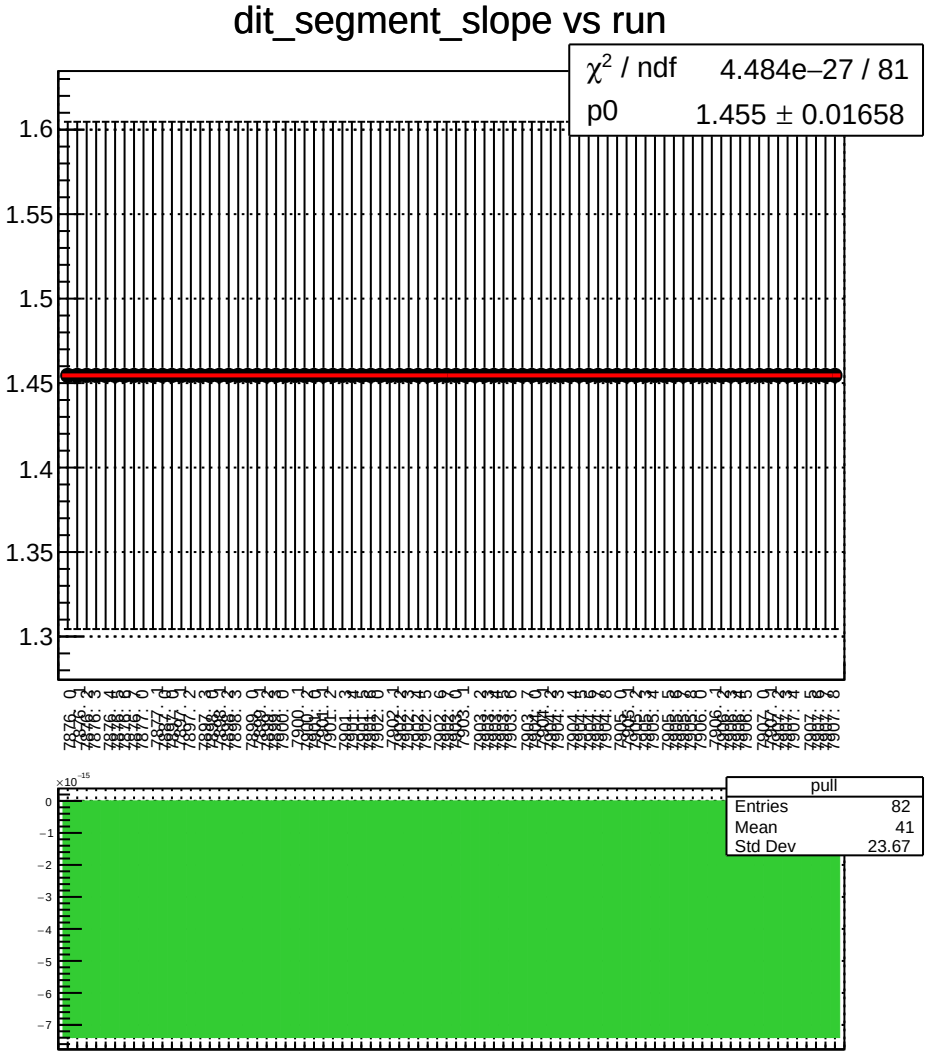
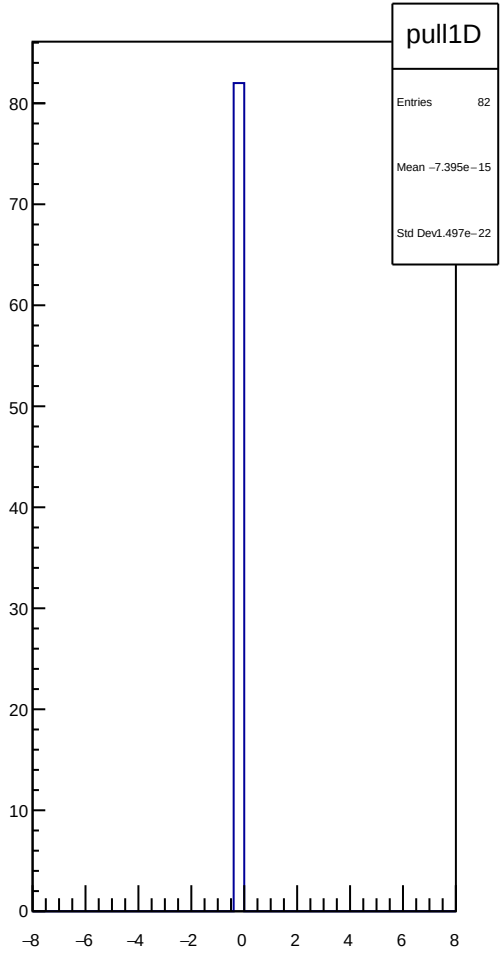
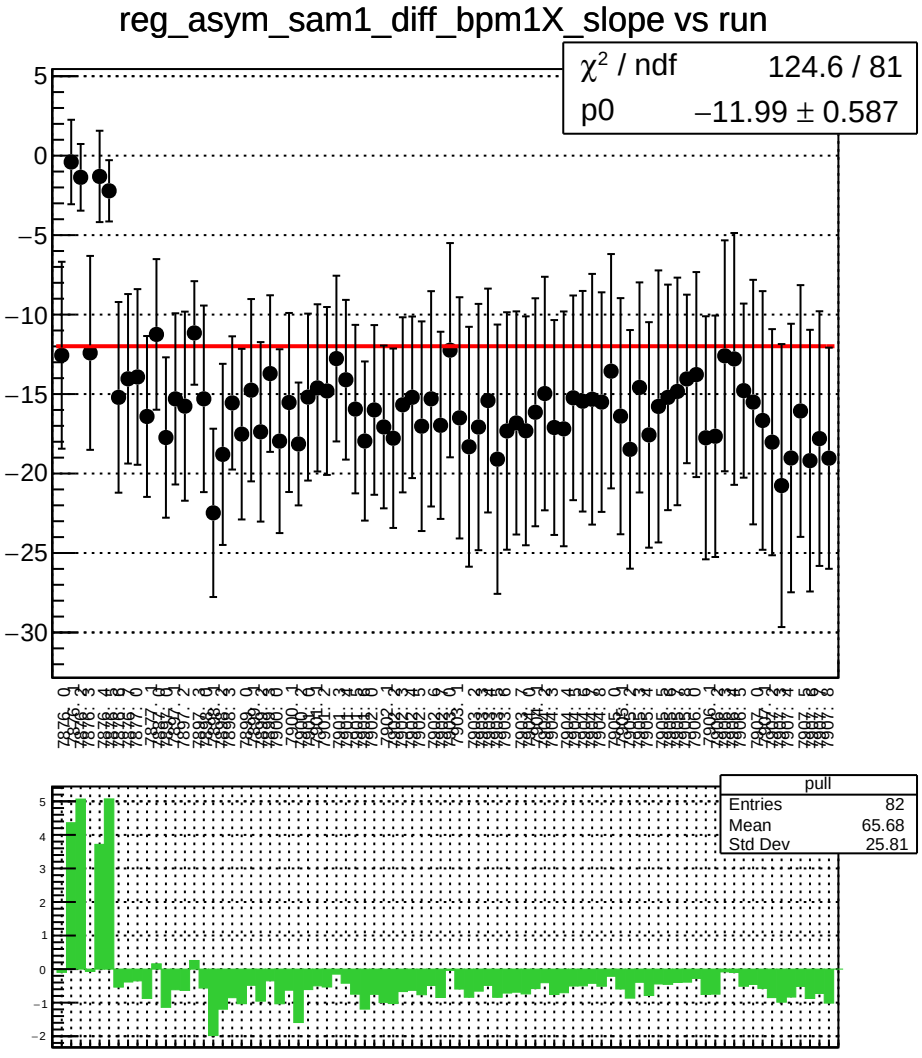
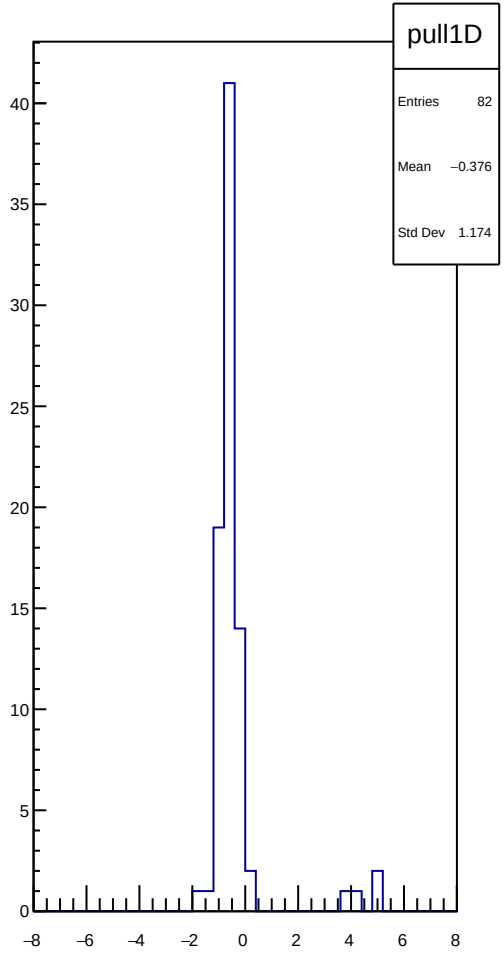
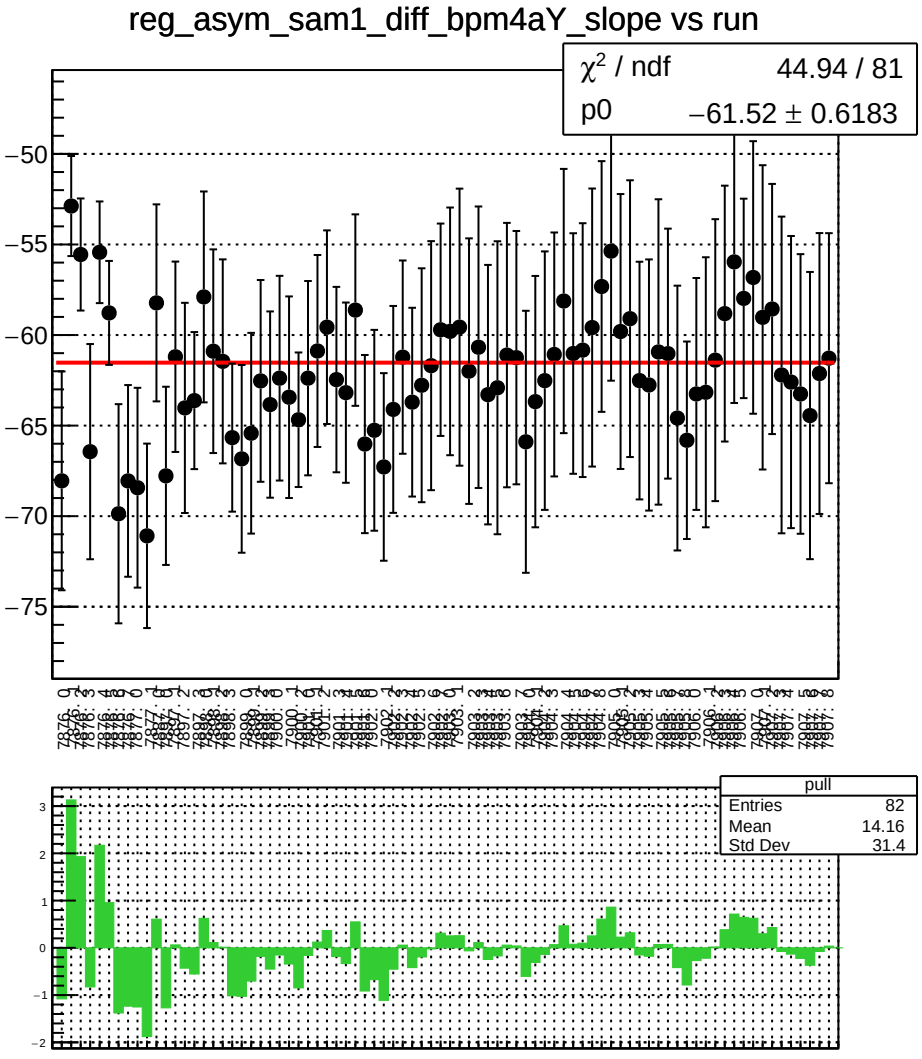
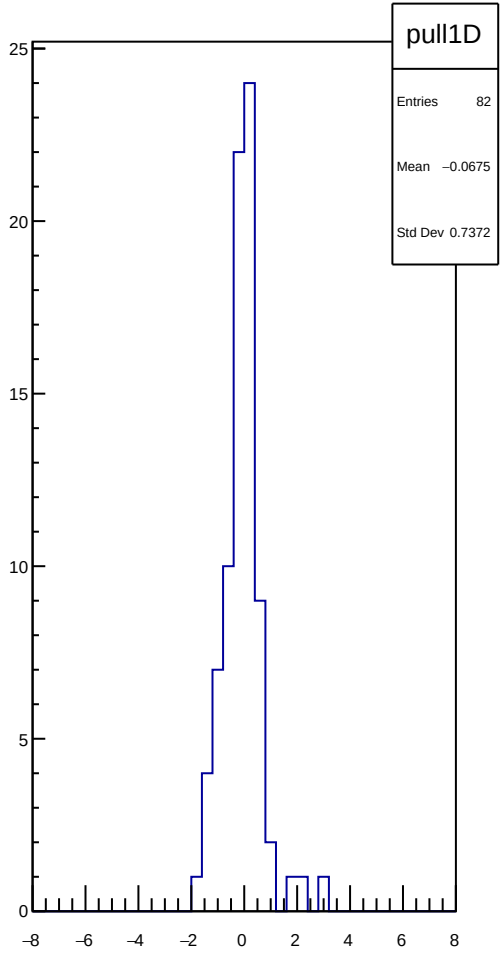

dit_segment_slope vs run
χ^2 / ndf 4.484e−27 / 81
p0 1.455 ± 0.01658
1.6
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−1
−2
−3
−4
−5
−6
−7


pull1D
Entries 82
Mean −7.395e−15
Std Dev 1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 124.6 / 81
p0 −11.99 ± 0.587
pull
Entries 82
Mean 65.68
Std Dev 25.81


pull1D
Entries 82
Mean −0.376
Std Dev 1.174


reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 44.94 / 81
p0 −61.52 ± 0.6183
−50
−55
−60
−65
−70
−75
pull
Entries 82
Mean 14.16
Std Dev 31.4
3
2
1
0
−1
−2


pull1D
Entries 82
Mean −0.0675
Std Dev 0.7372
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20
15
10
5
0
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−4
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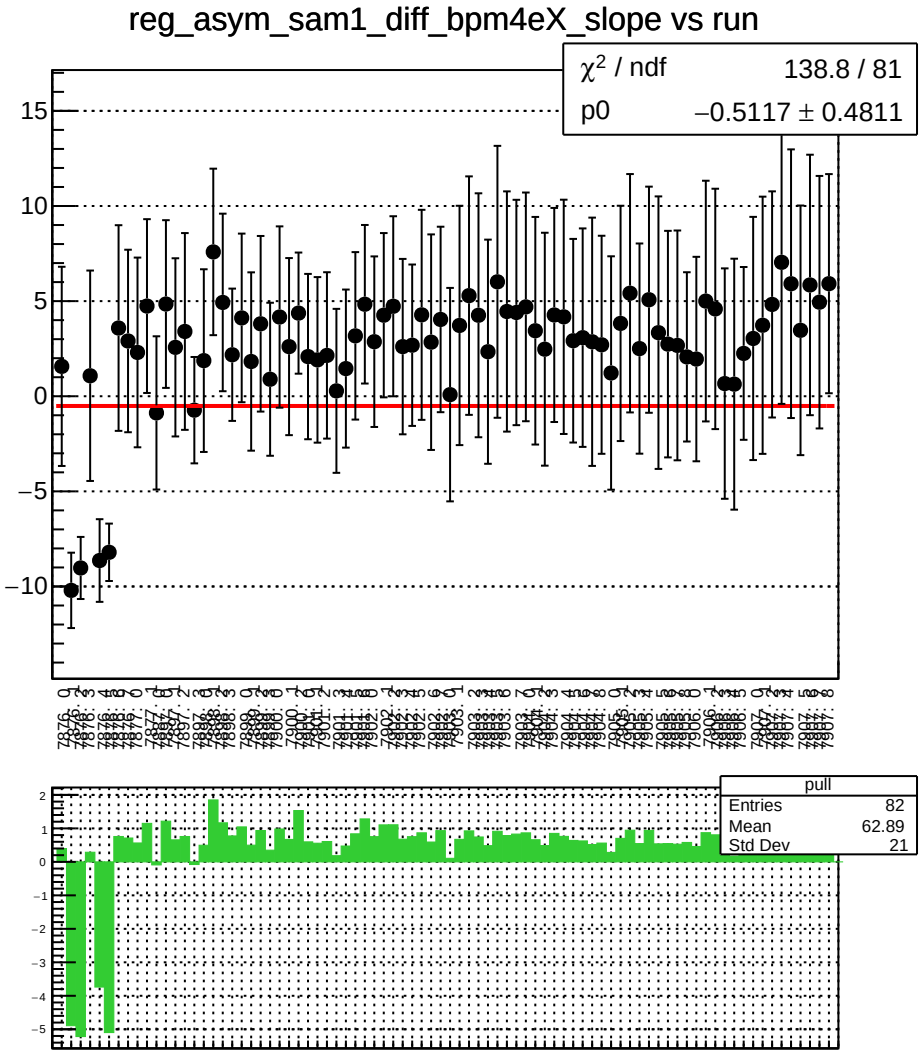
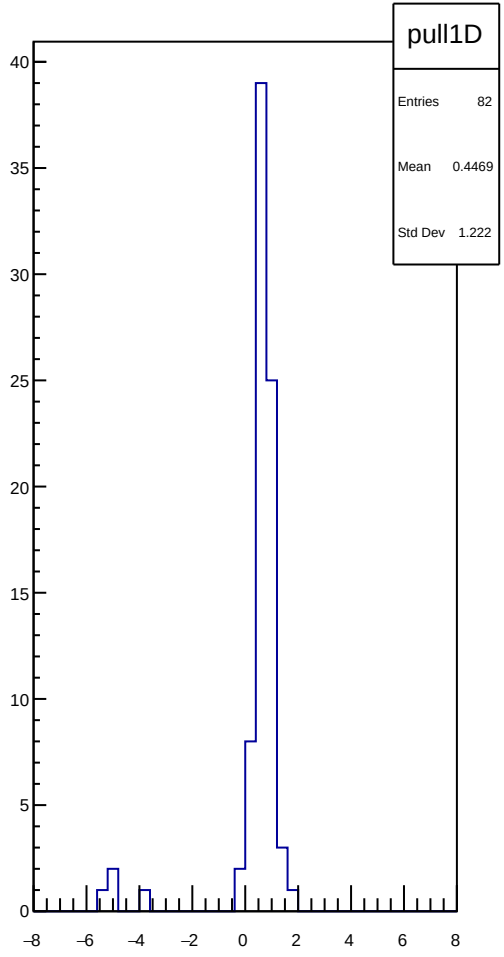
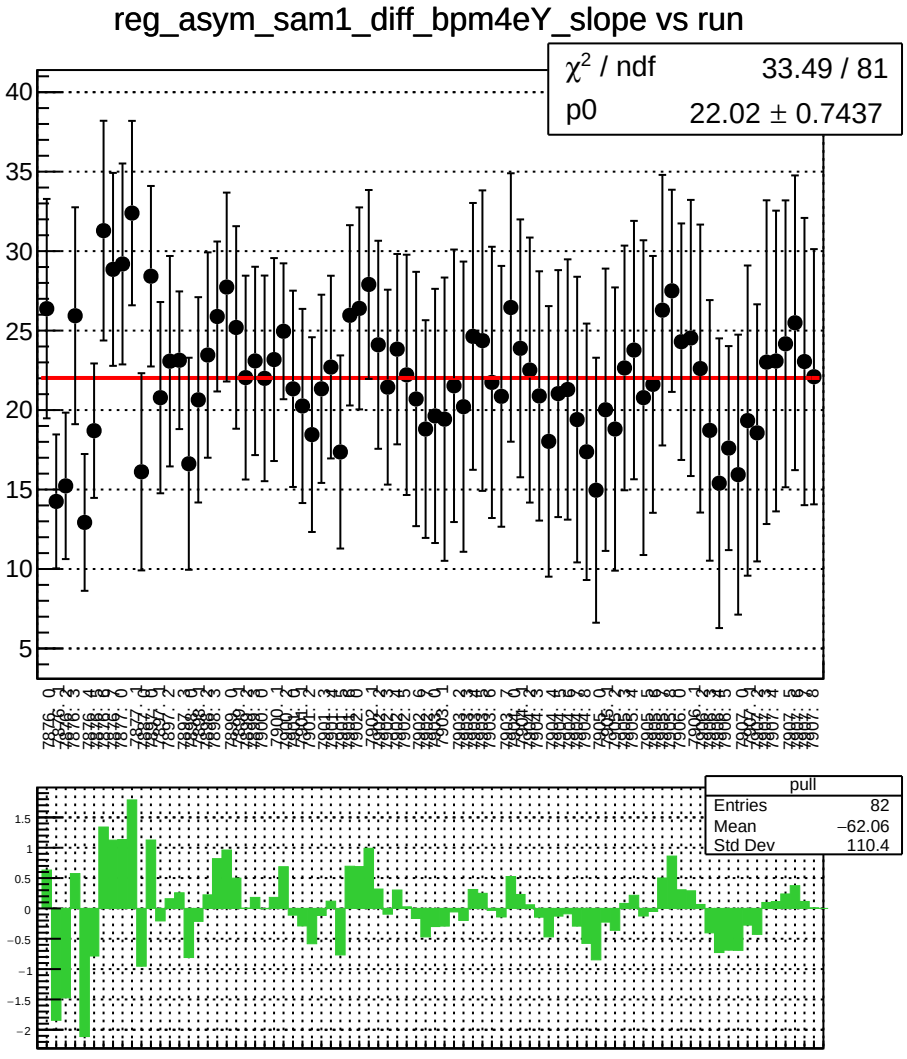
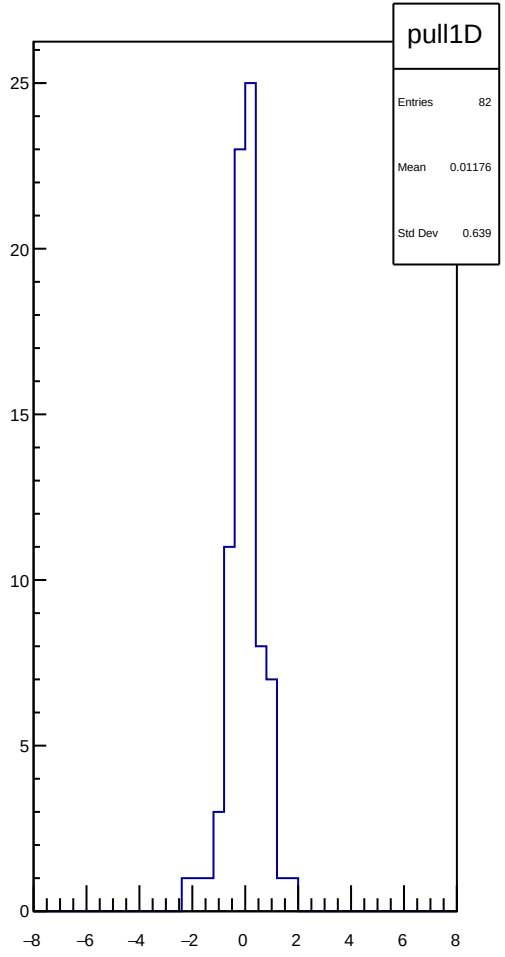
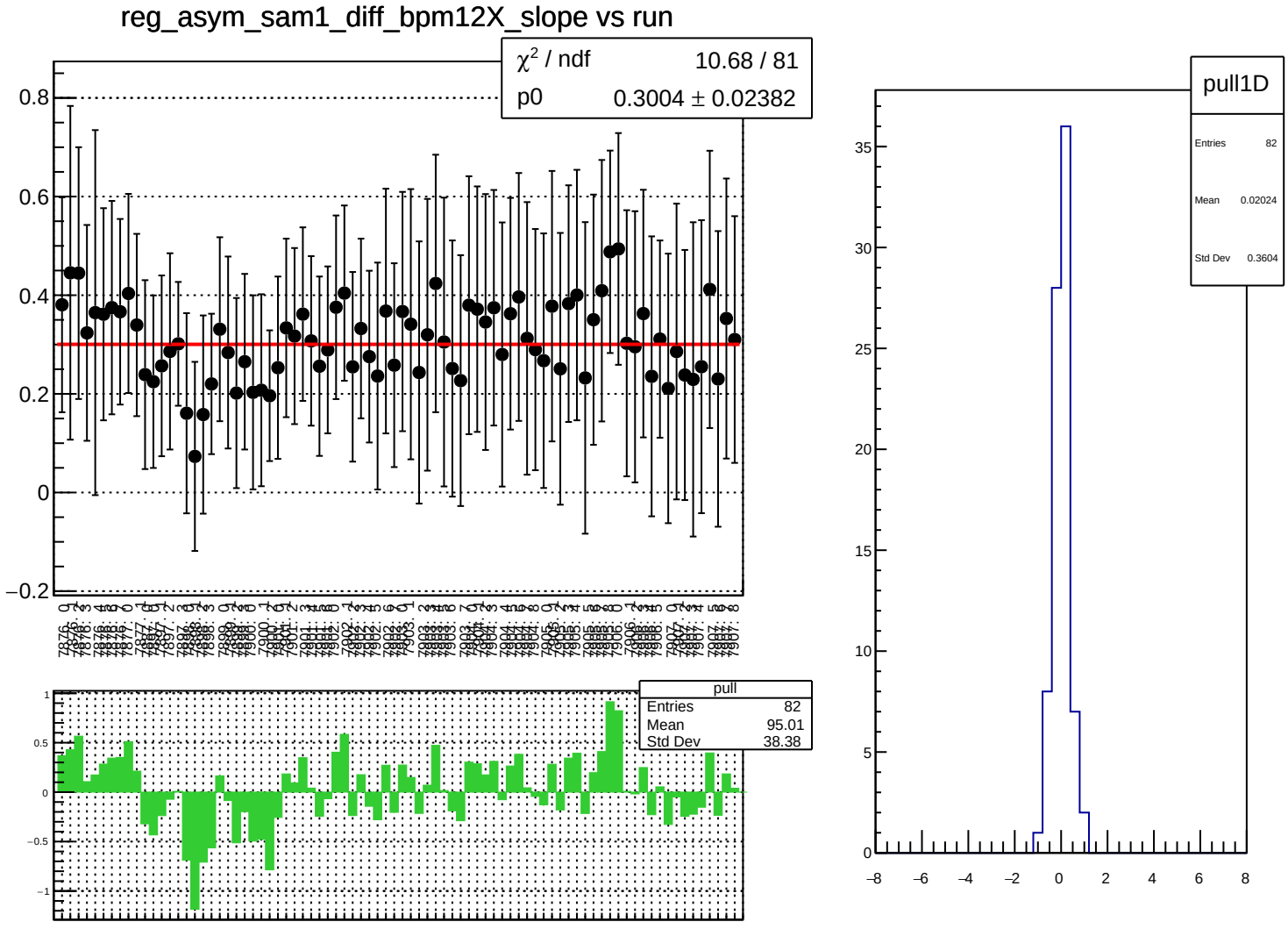
0
2
4
6
8

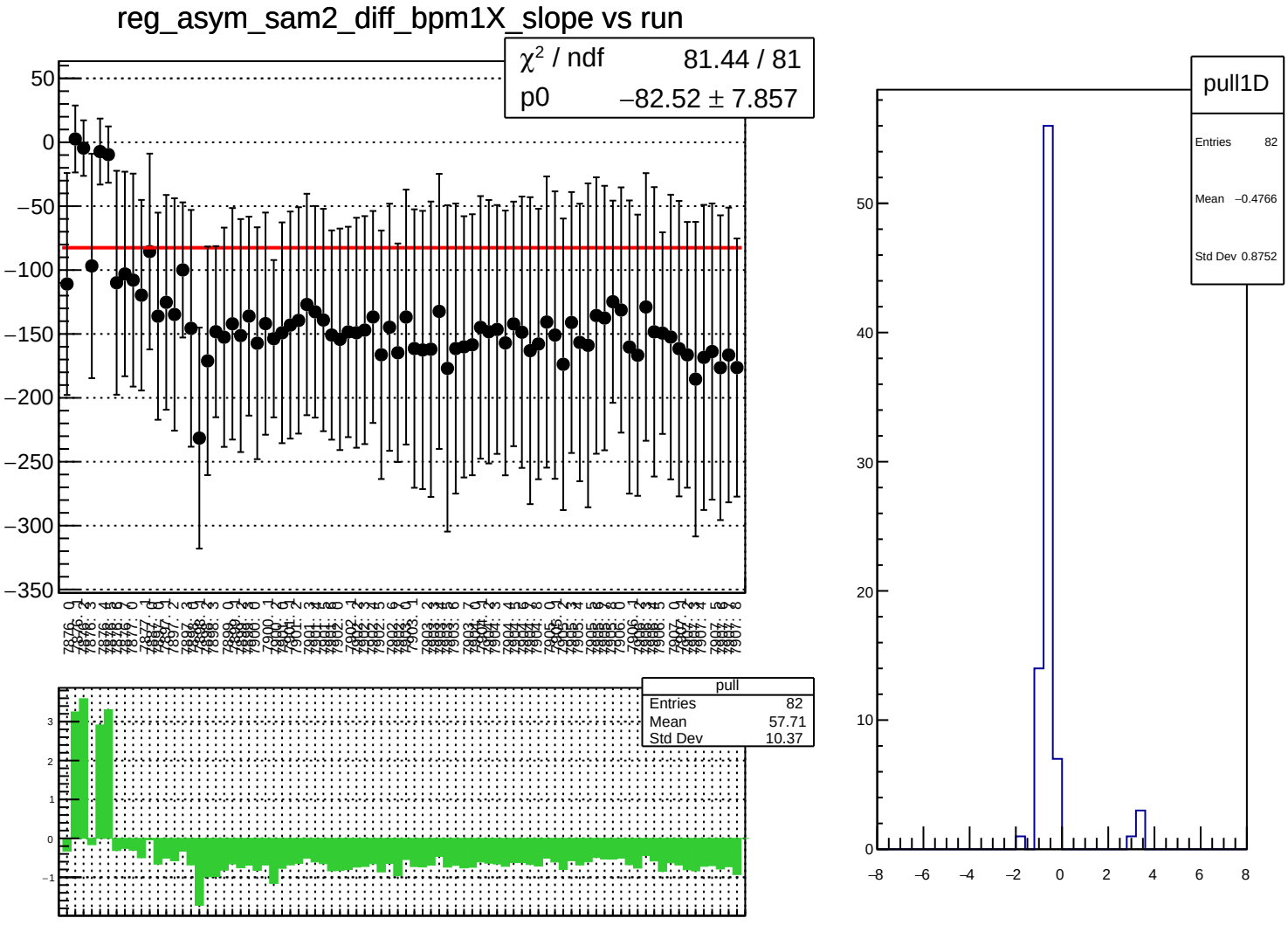

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 138.8 / 81
p0 −0.5117 ± 0.4811
pull
Entries 82
Mean 62.89
Std Dev 21

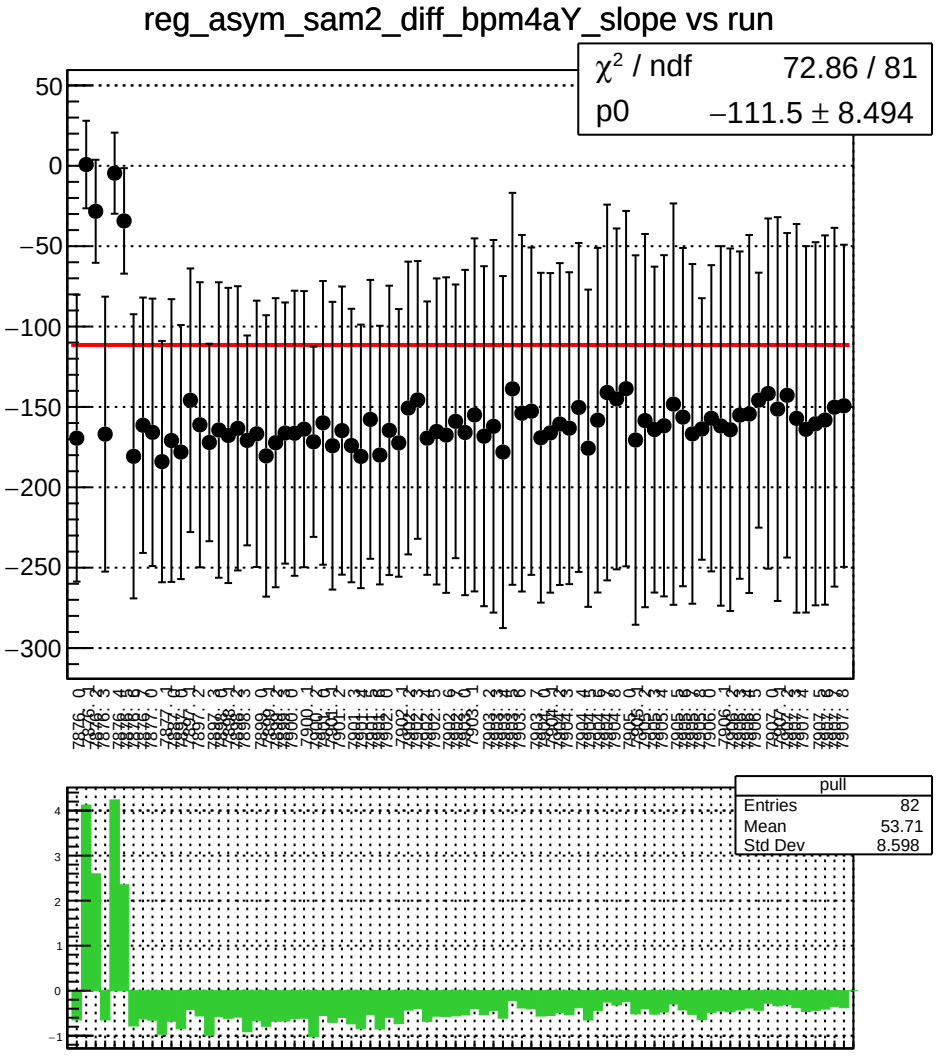

pull1D
Entries 82
Mean 0.4469
Std Dev 1.222

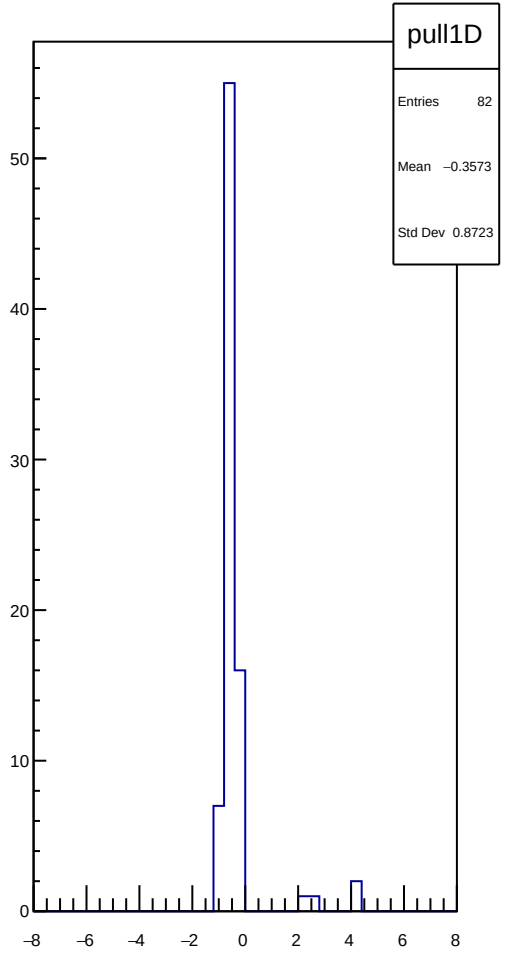

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 33.49 / 81
p0 22.02 ± 0.7437
pull
Entries 82
Mean −62.06
Std Dev 110.4

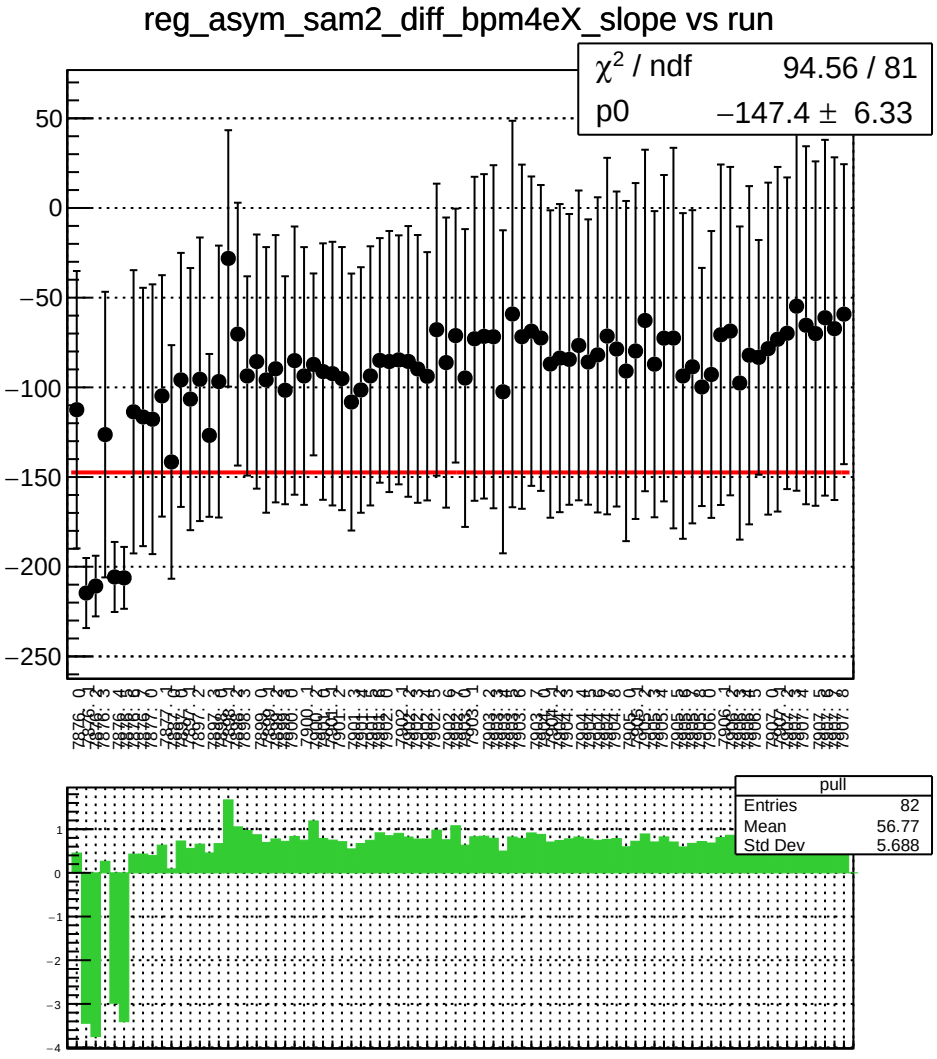

pull1D
Entries 82
Mean 0.01176
Std Dev 0.639

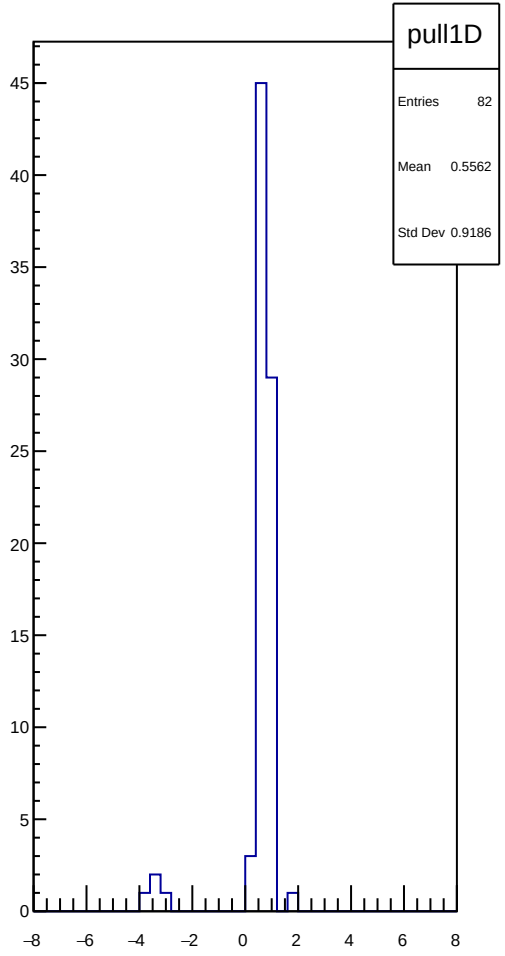

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 10.68 / 81
p0 0.3004 ± 0.02382
pull
Entries 82
Mean 95.01
Std Dev 38.38
pull1D
Entries 82
Mean 0.02024
Std Dev 0.3604

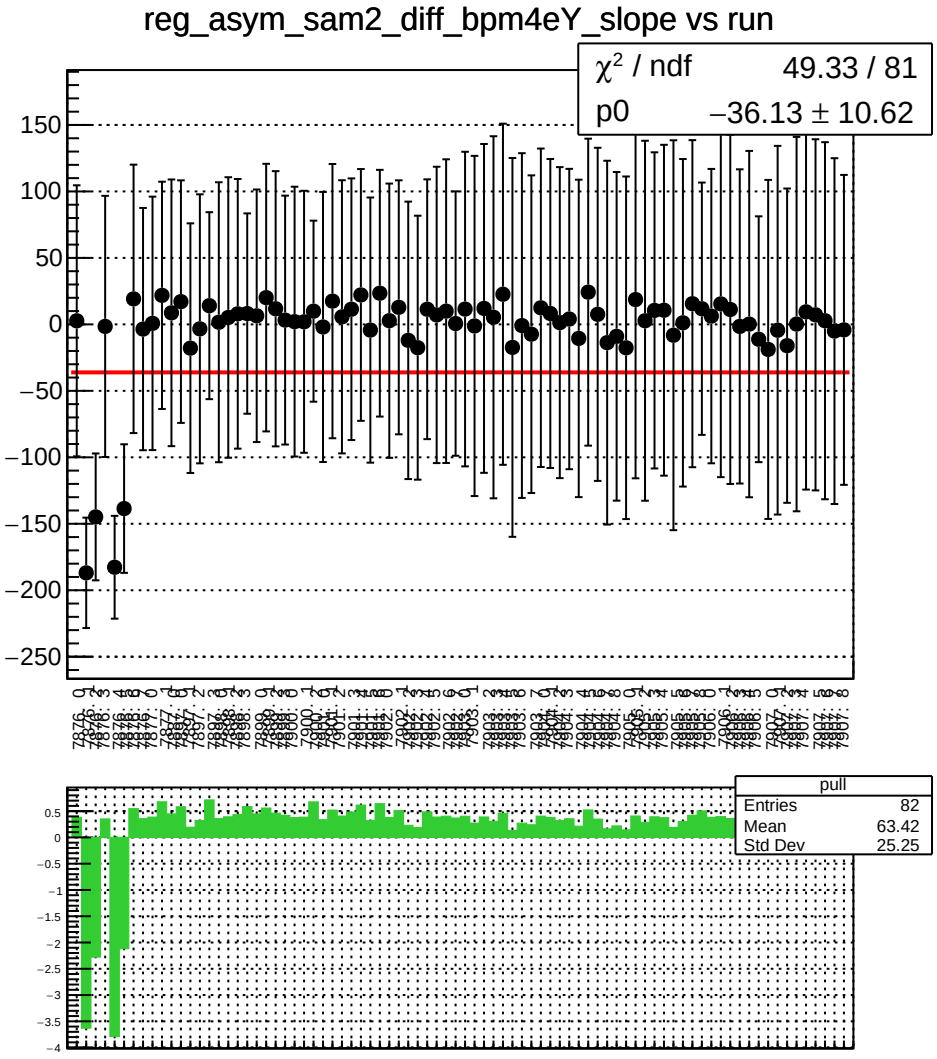

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 81.44 / 81
p0 −82.52 ± 7.857
pull
Entries 82
Mean 57.71
Std Dev 10.37
pull1D
Entries 82
Mean −0.4766
Std Dev 0.8752

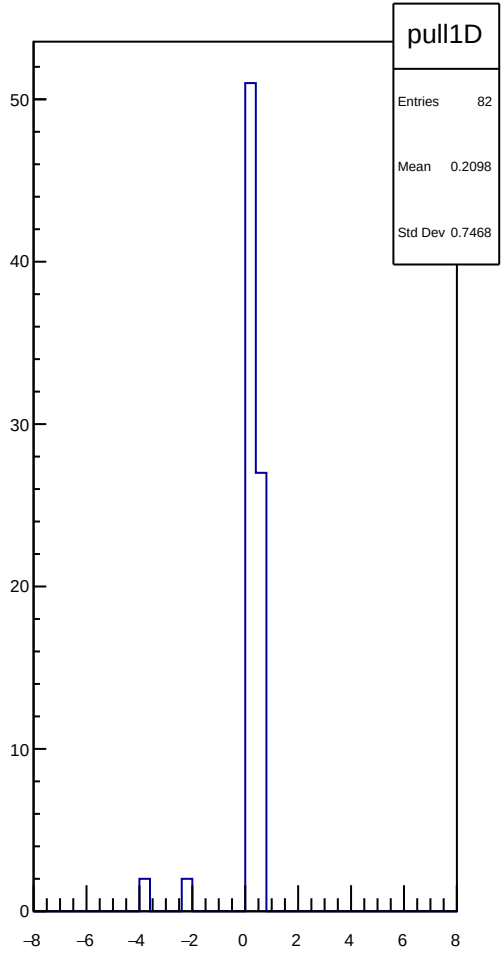

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 72.86 / 81
p0 −111.5 ± 8.494
pull
Entries 82
Mean 53.71
Std Dev 8.598

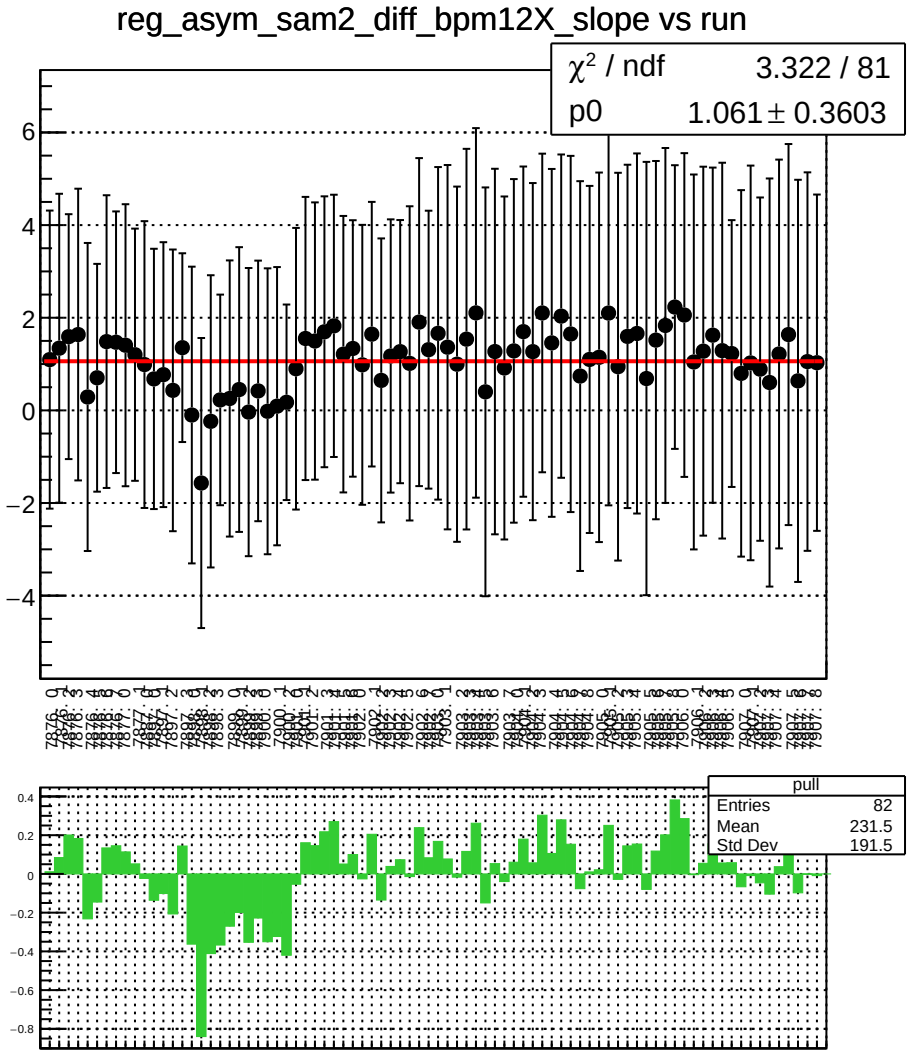

pull1D
Entries 82
Mean −0.3573
Std Dev 0.8723

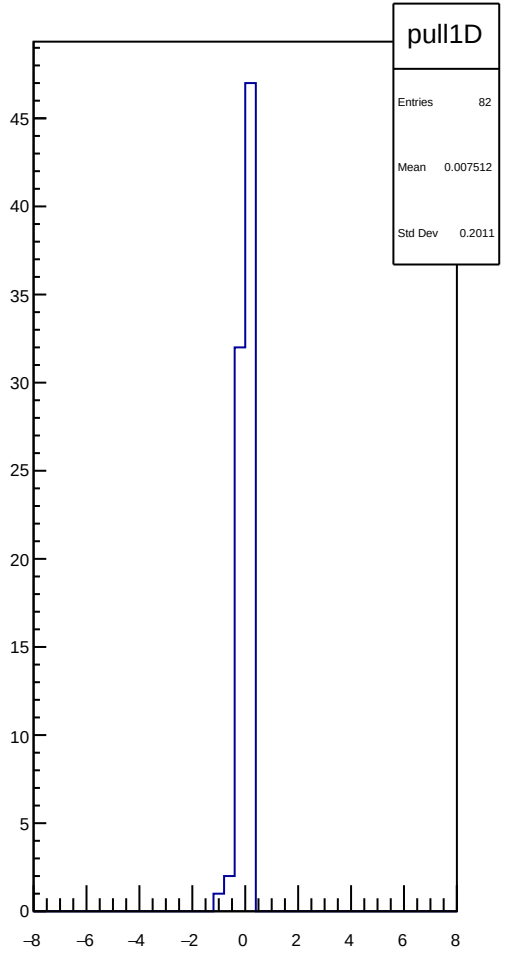

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 94.56 / 81
p0 −147.4 ± 6.33
pull
Entries 82
Mean 56.77
Std Dev 5.688

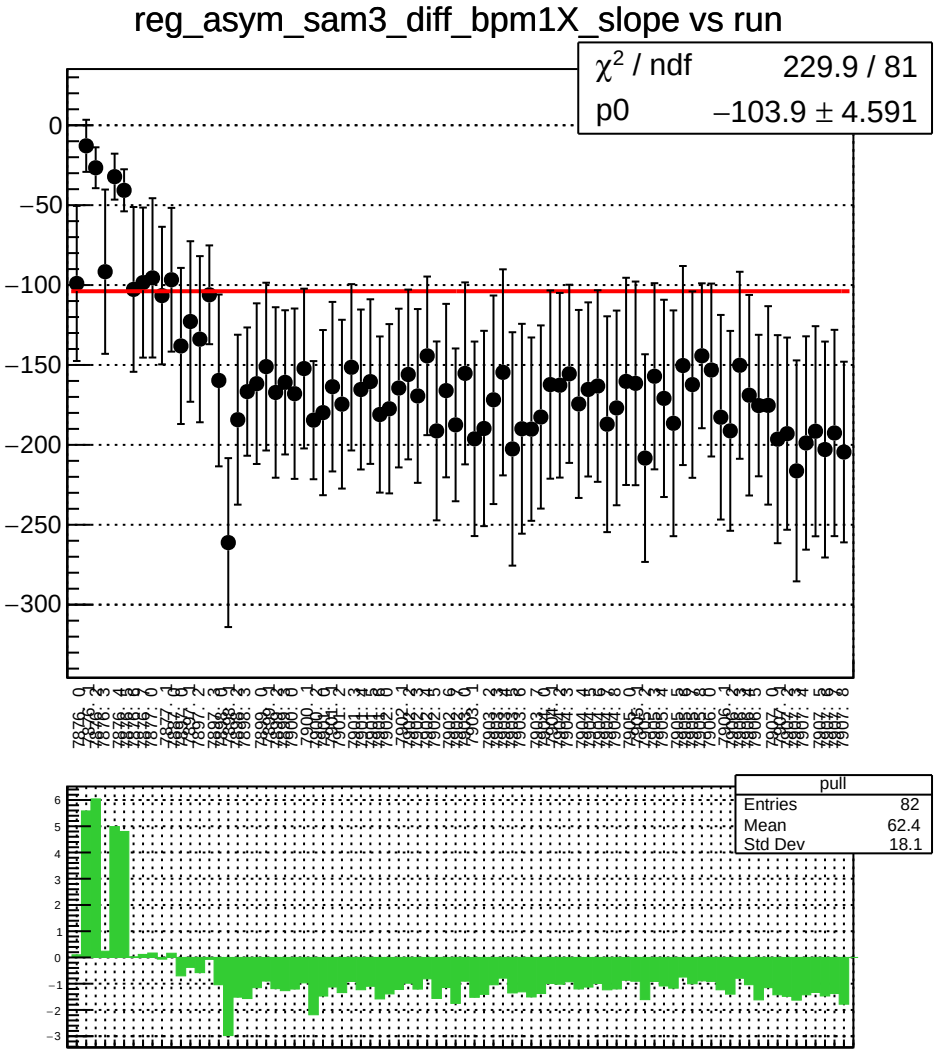

pull1D
Entries 82
Mean 0.5562
Std Dev 0.9186

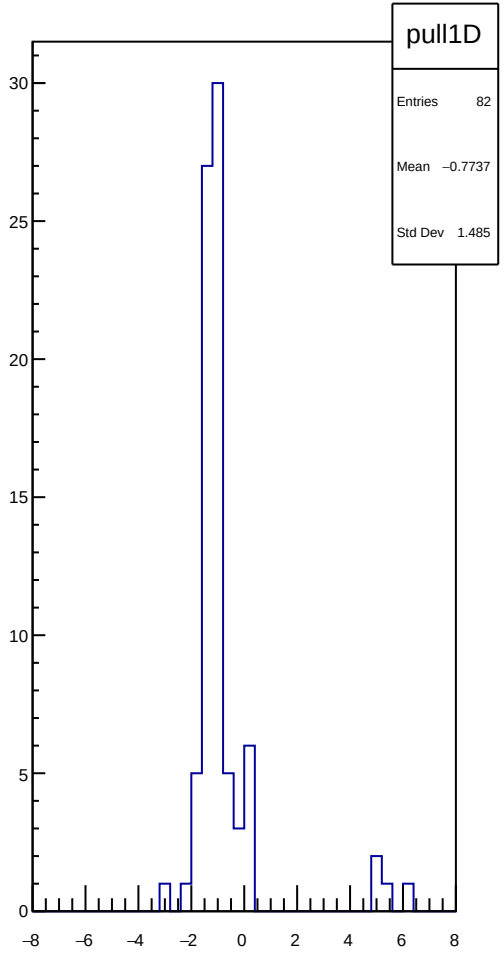

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 49.33 / 81
p0 −36.13 ± 10.62
pull
Entries 82
Mean 63.42
Std Dev 25.25

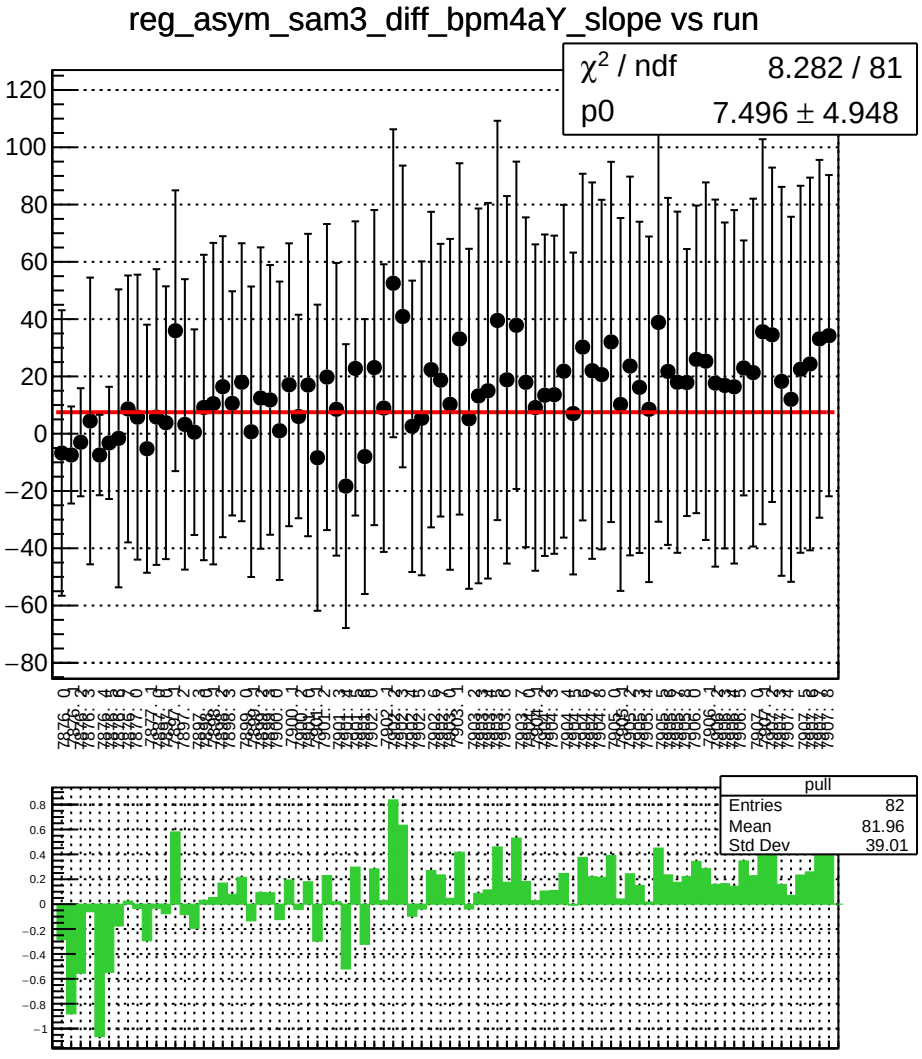

pull1D
Entries 82
Mean 0.2098
Std Dev 0.7468

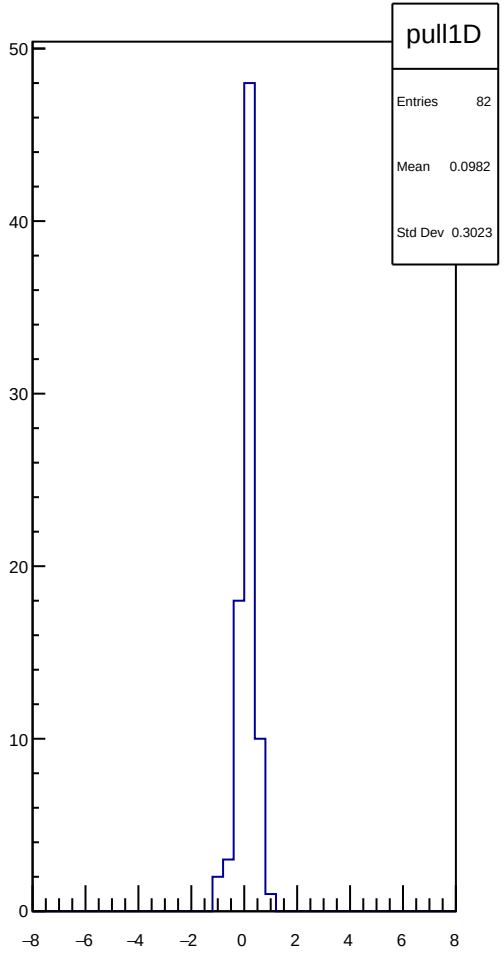

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 3.322 / 81
p0 1.061 ± 0.3603
pull
Entries 82
Mean 231.5
Std Dev 191.5

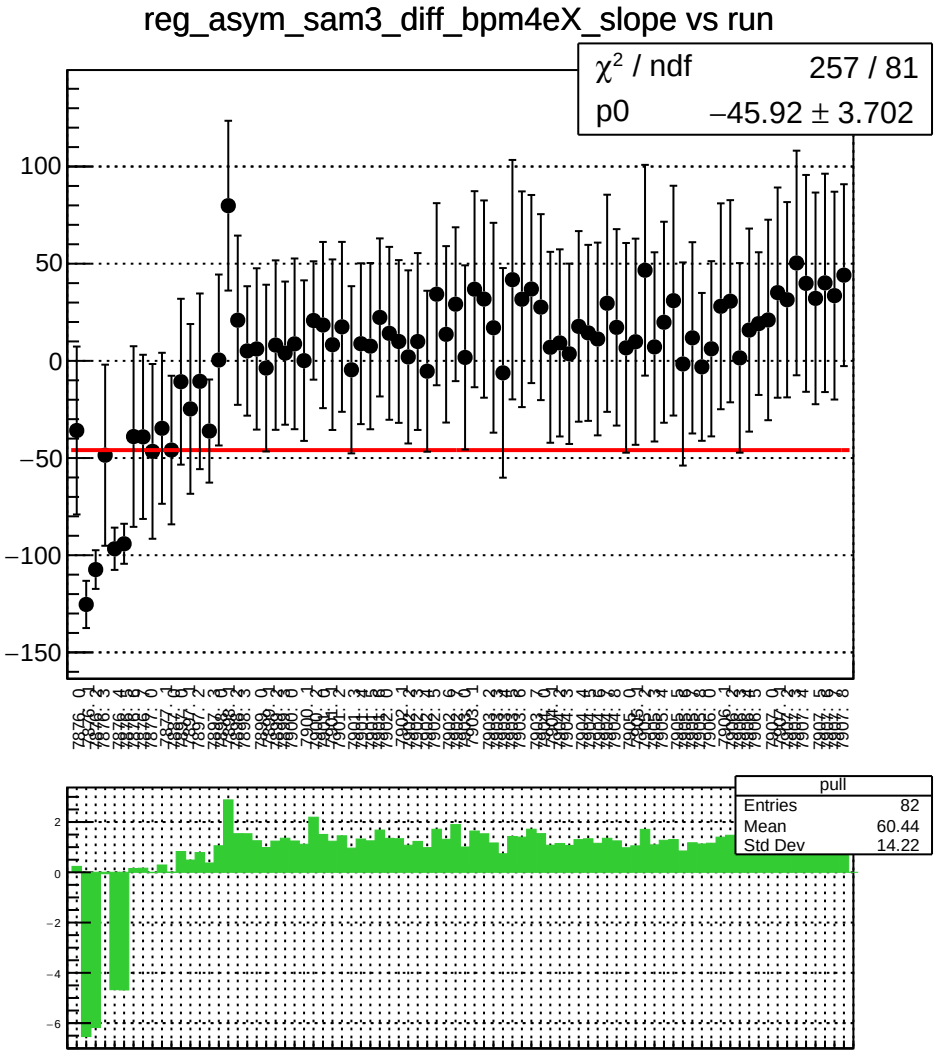

pull1D
Entries 82
Mean 0.007512
Std Dev 0.2011

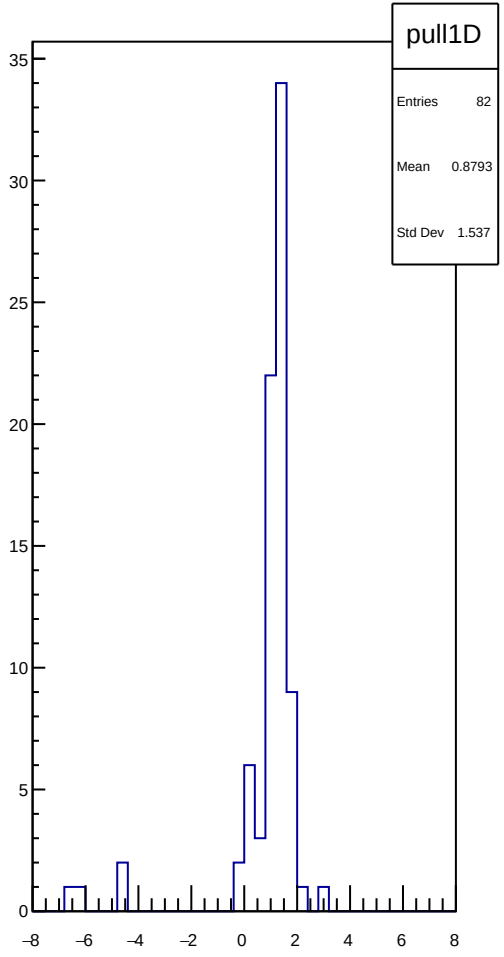

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 229.9 / 81
p0 −103.9 ± 4.591
pull
Entries 82
Mean 62.4
Std Dev 18.1

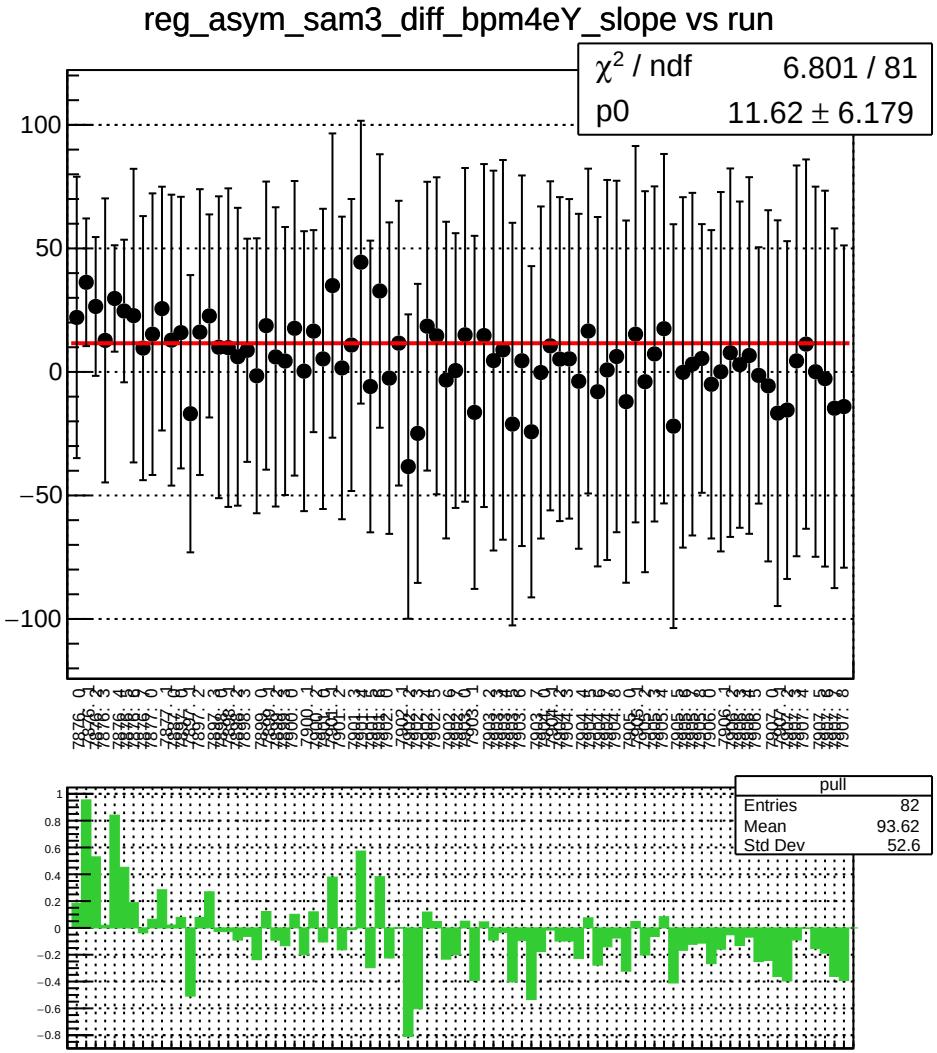

pull1D
Entries 82
Mean −0.7737
Std Dev 1.485

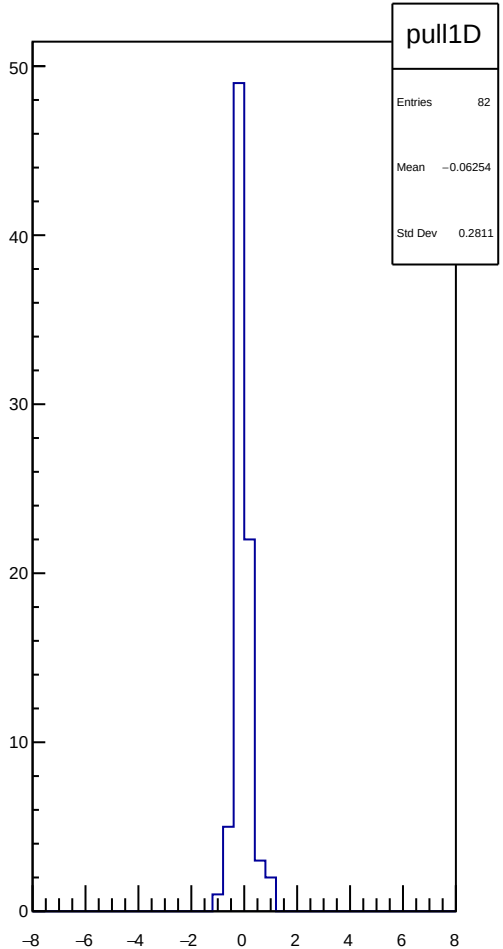

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 8.282 / 81
p0 7.496 ± 4.948
pull
Entries 82
Mean 81.96
Std Dev 39.01

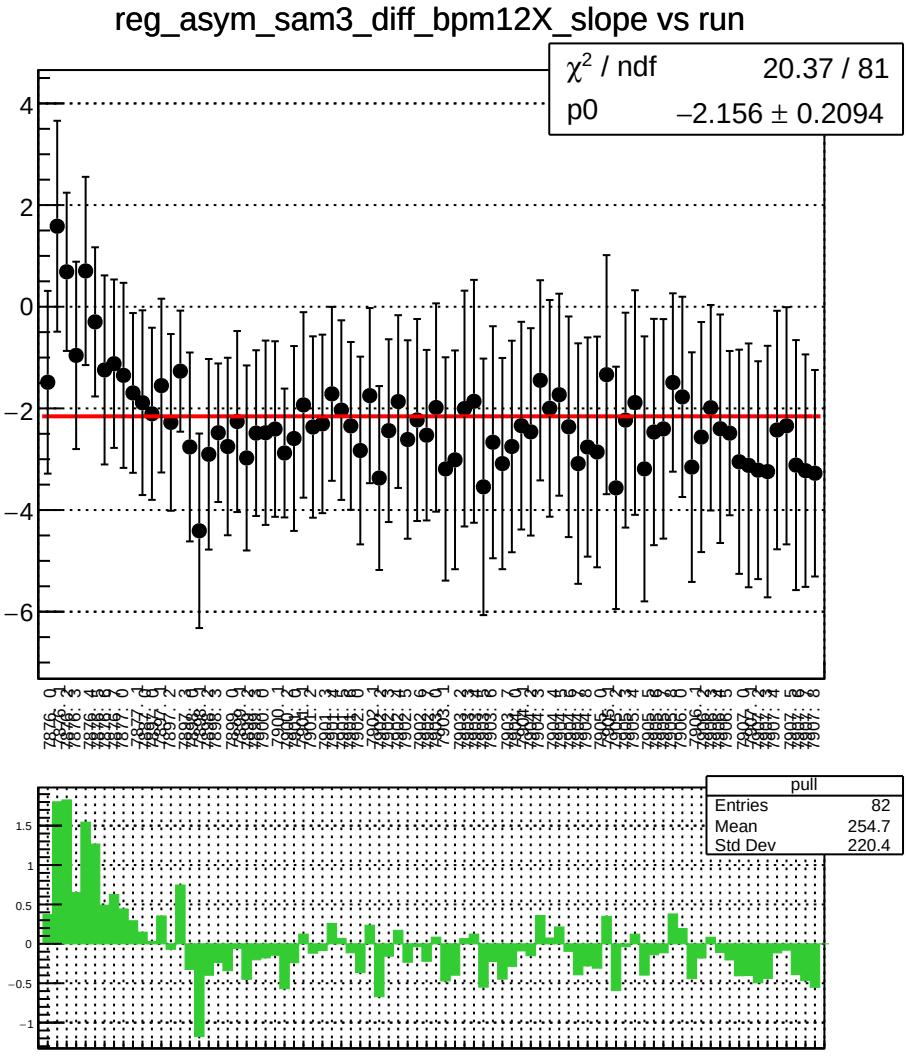

pull1D
Entries 82
Mean 0.0982
Std Dev 0.3023

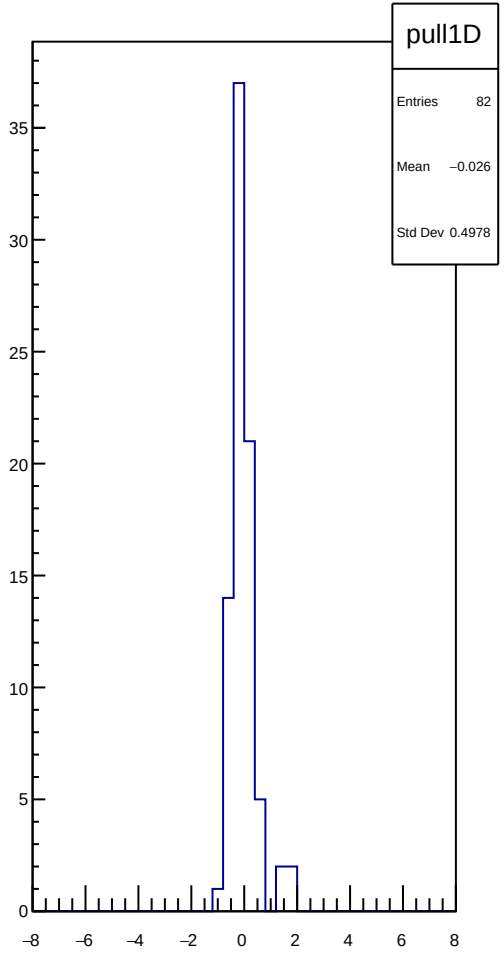

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 257 / 81
p0 −45.92 ± 3.702
pull
Entries 82
Mean 60.44
Std Dev 14.22

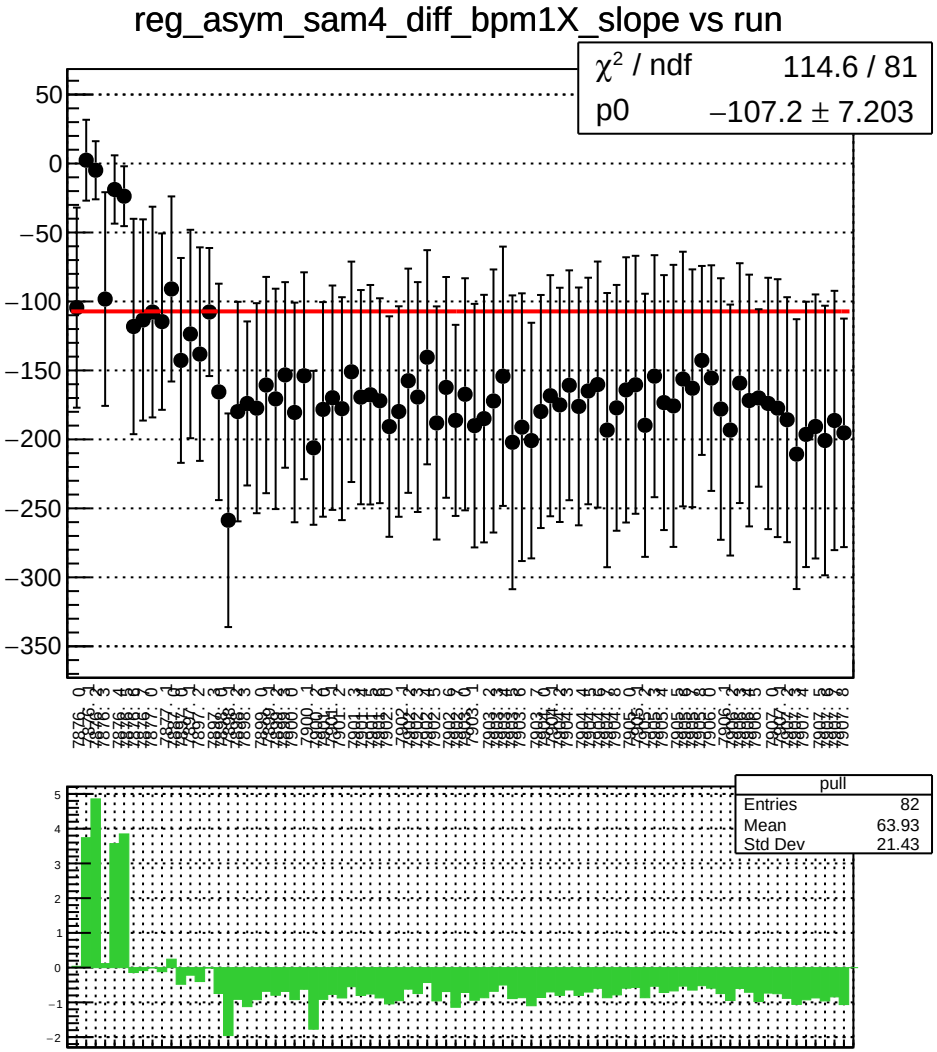

pull1D
Entries 82
Mean 0.8793
Std Dev 1.537

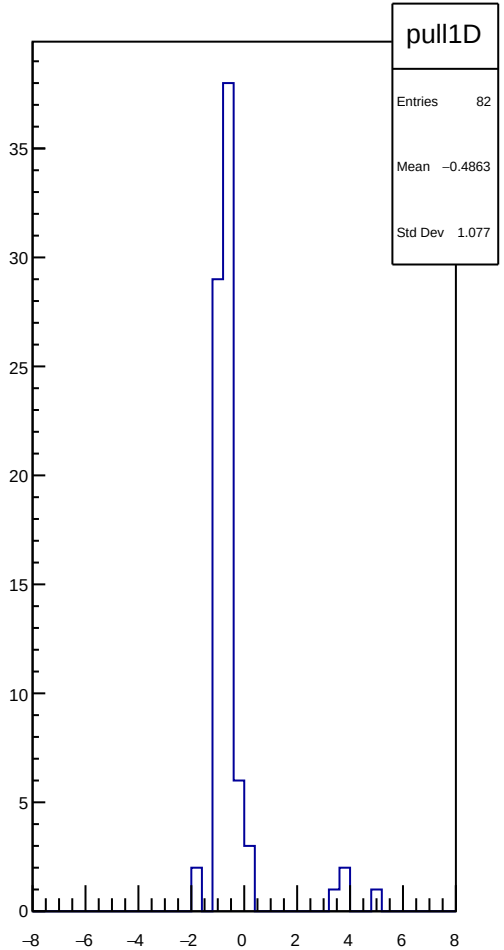

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 6.801 / 81
p0 11.62 ± 6.179
pull
Entries 82
Mean 93.62
Std Dev 52.6

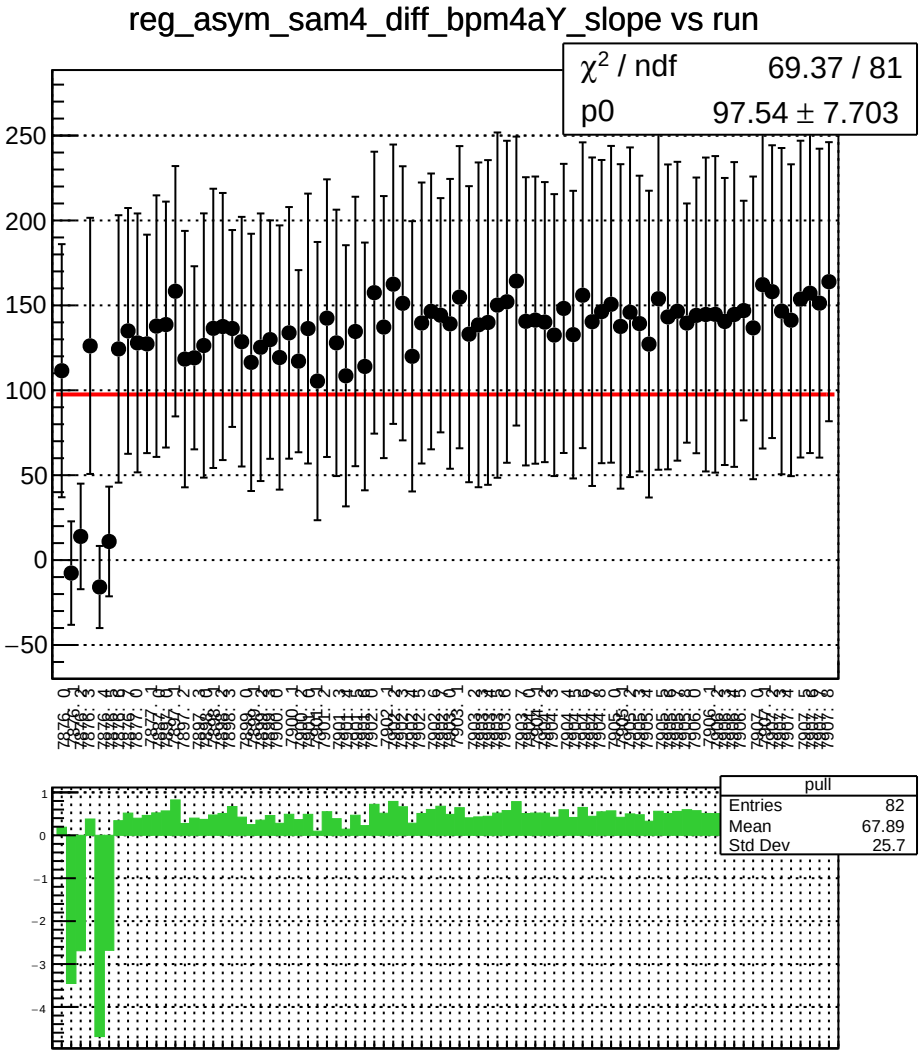

pull1D
Entries 82
Mean −0.06254
Std Dev 0.2811

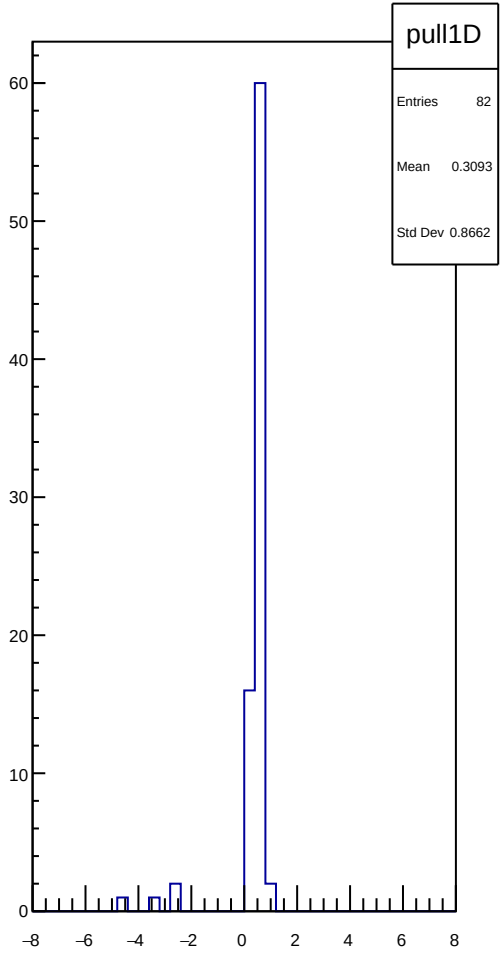

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 20.37 / 81
p0 −2.156 ± 0.2094
pull
Entries 82
Mean 254.7
Std Dev 220.4

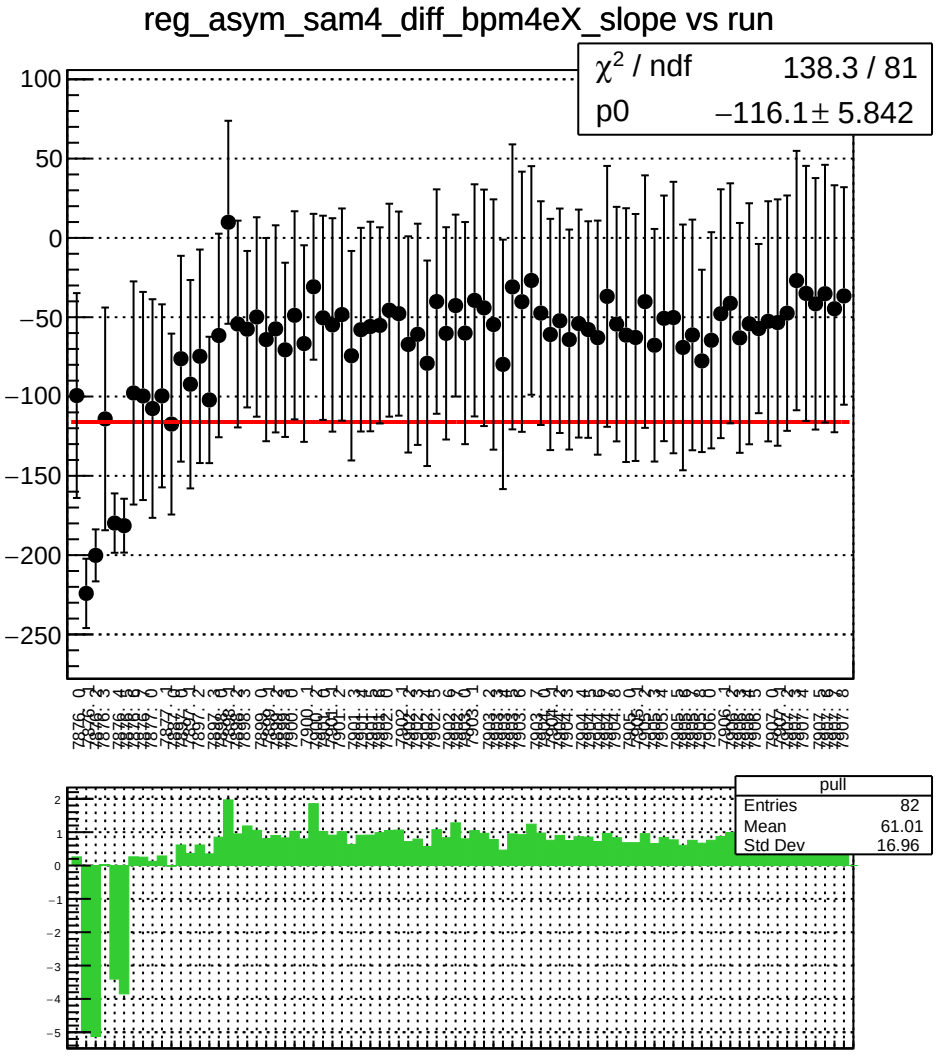

pull1D
Entries 82
Mean −0.026
Std Dev 0.4978

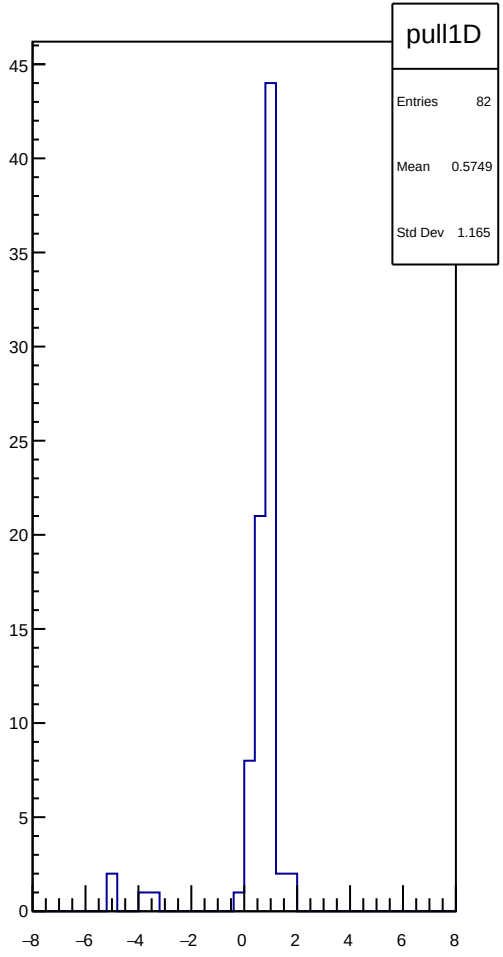

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 114.6 / 81
p0 −107.2 ± 7.203
pull
Entries 82
Mean 63.93
Std Dev 21.43

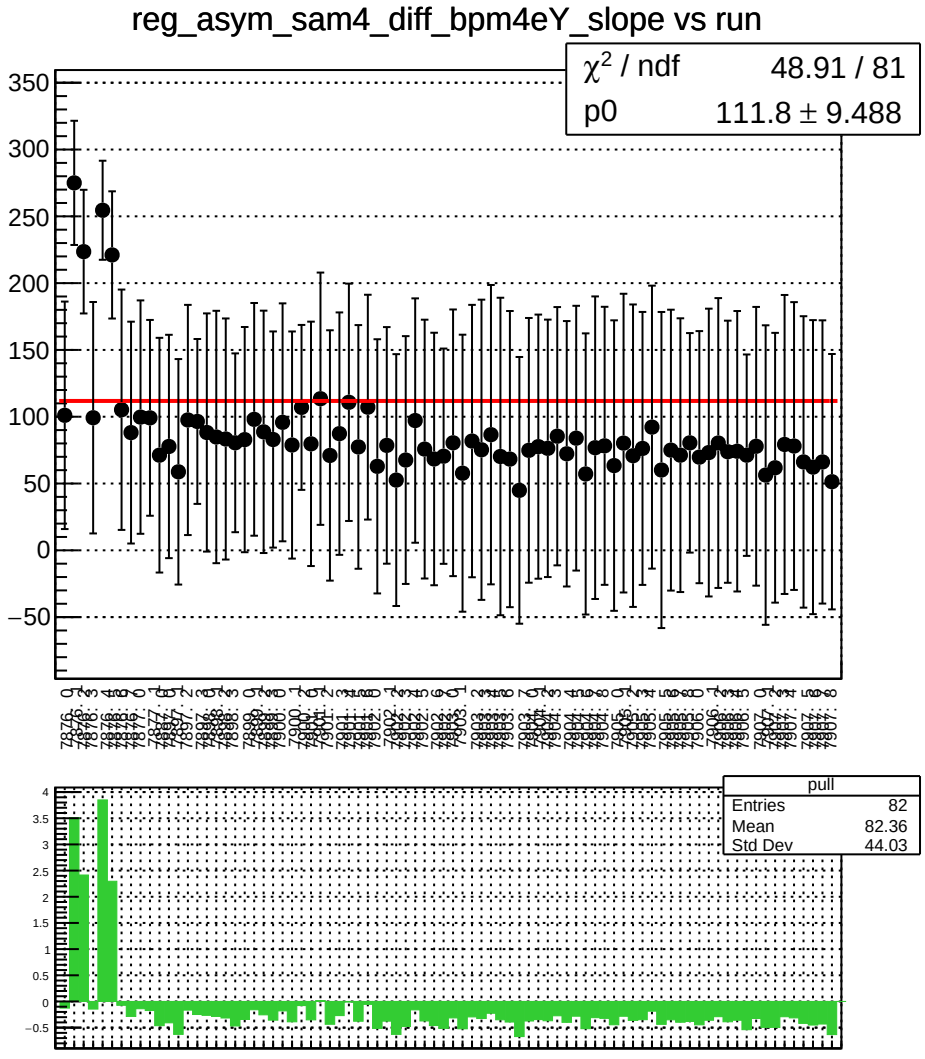

pull1D
Entries 82
Mean −0.4863
Std Dev 1.077

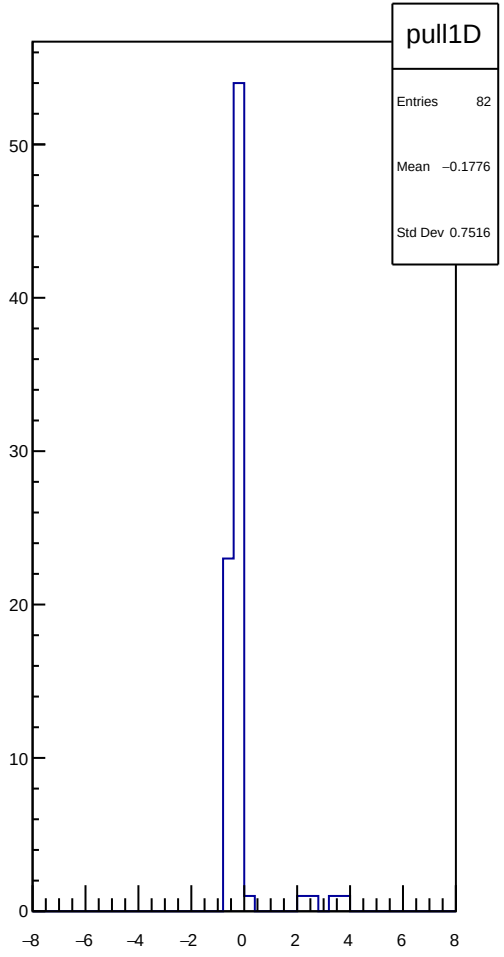

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 69.37 / 81
p0 97.54 ± 7.703
pull
Entries 82
Mean 67.89
Std Dev 25.7

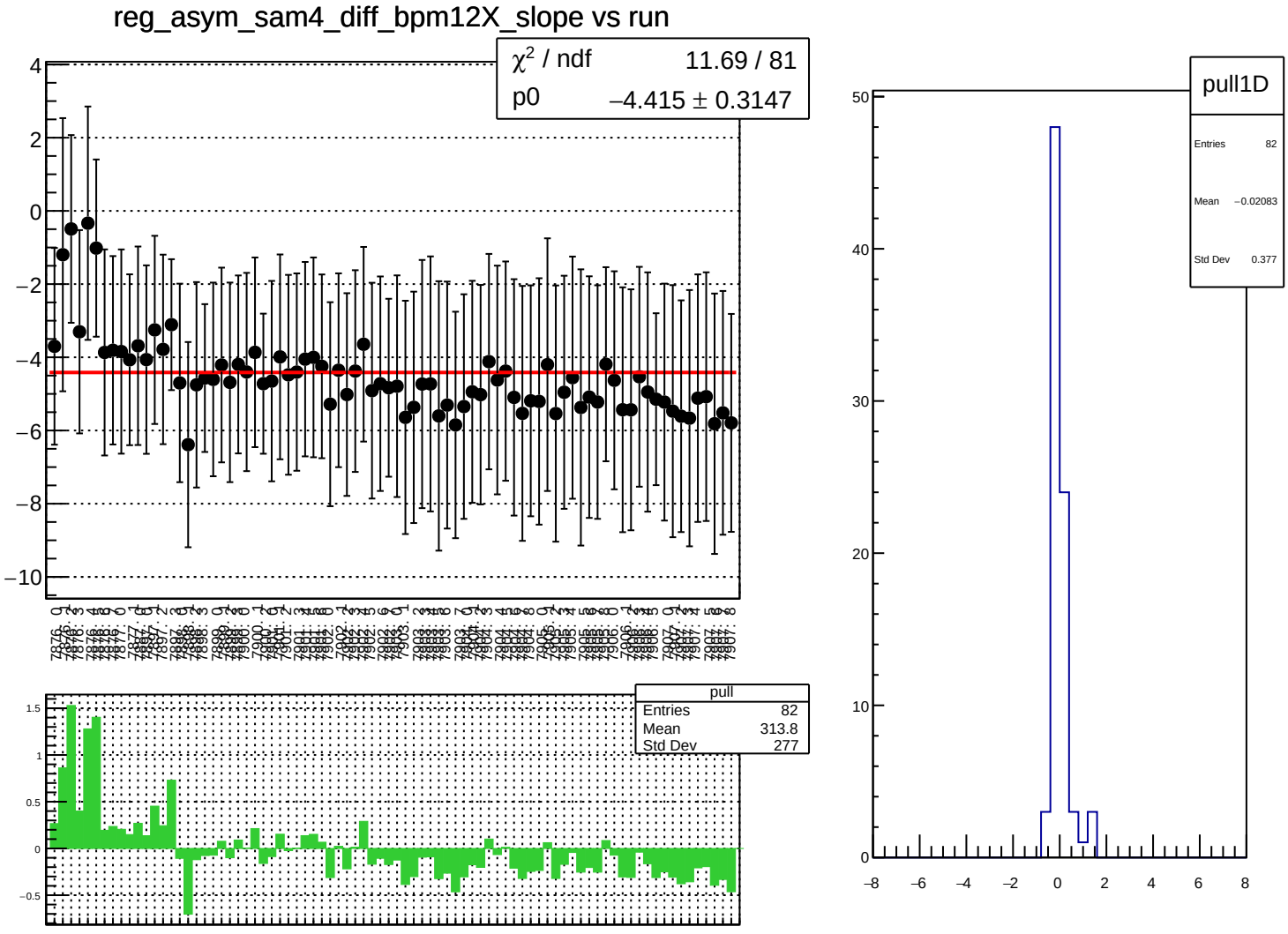

pull1D
Entries 82
Mean 0.3093
Std Dev 0.8662

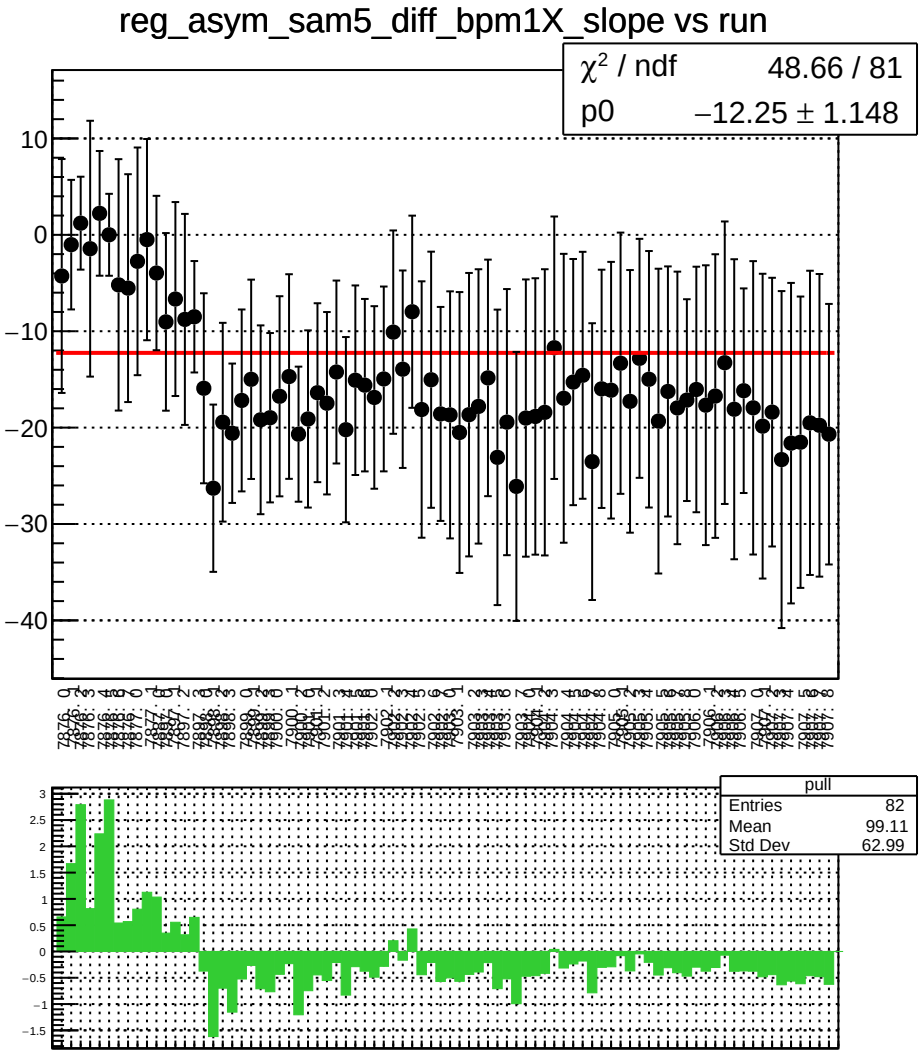

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 138.3 / 81
p0 −116.1 ± 5.842
pull
Entries 82
Mean 61.01
Std Dev 16.96

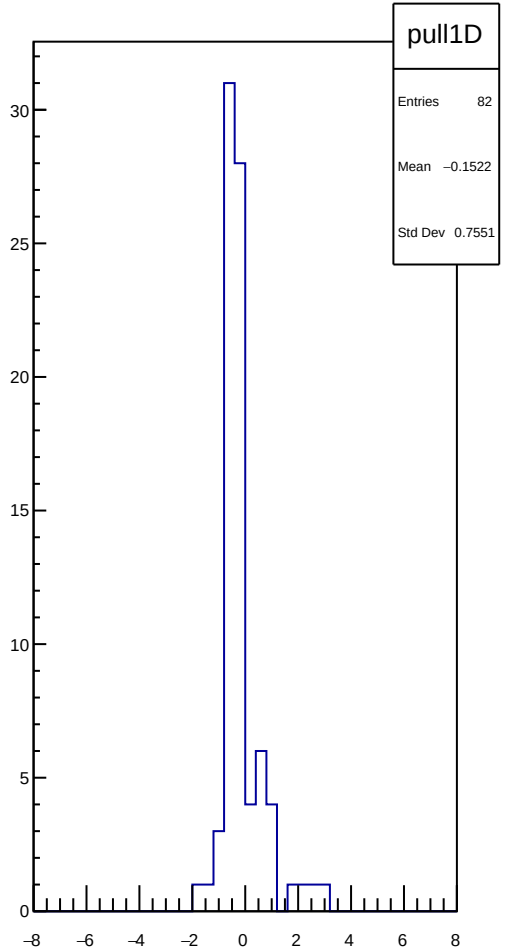

pull1D
Entries 82
Mean 0.5749
Std Dev 1.165

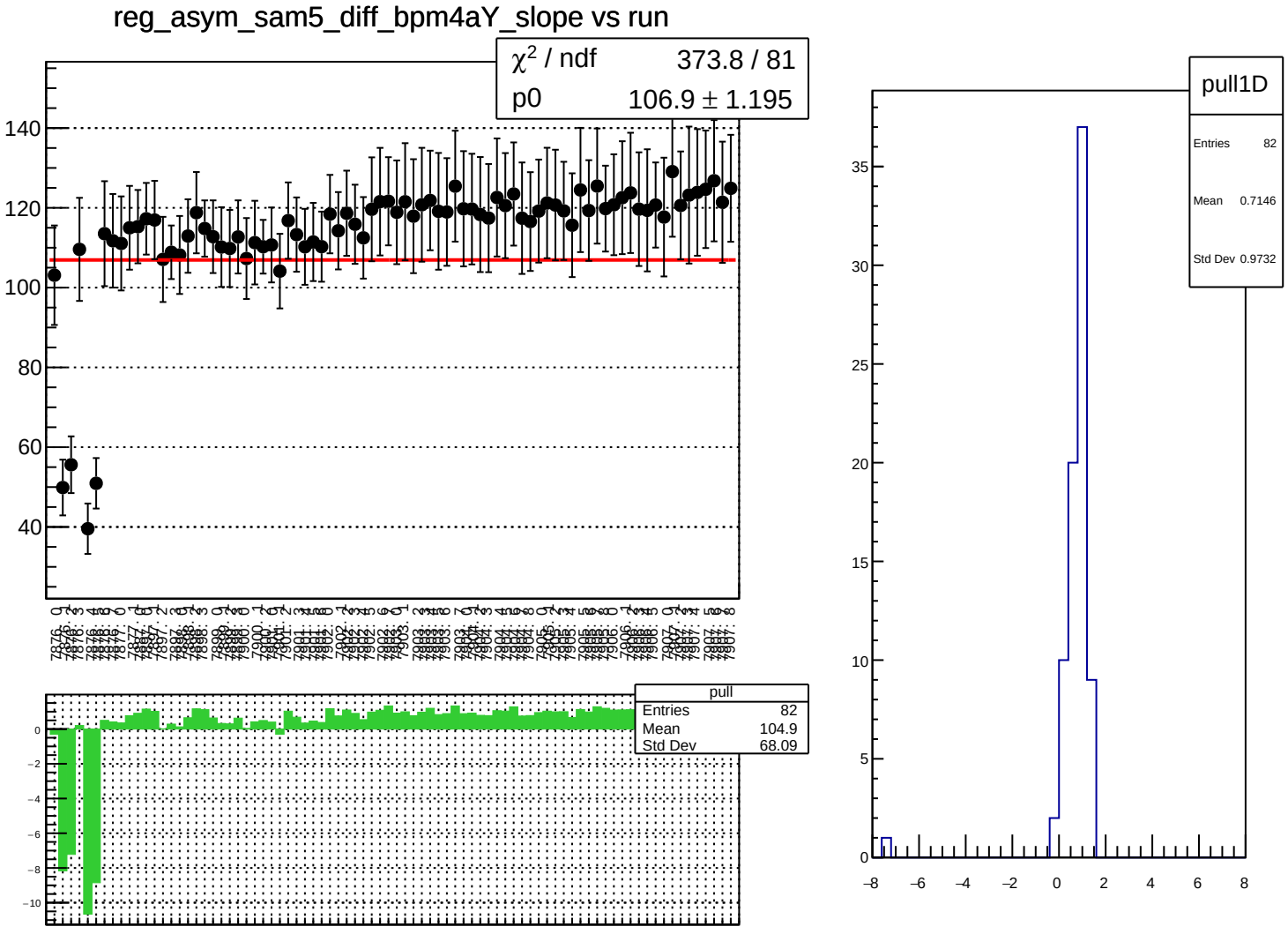

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 48.91 / 81
p0 111.8 ± 9.488
pull
Entries 82
Mean 82.36
Std Dev 44.03

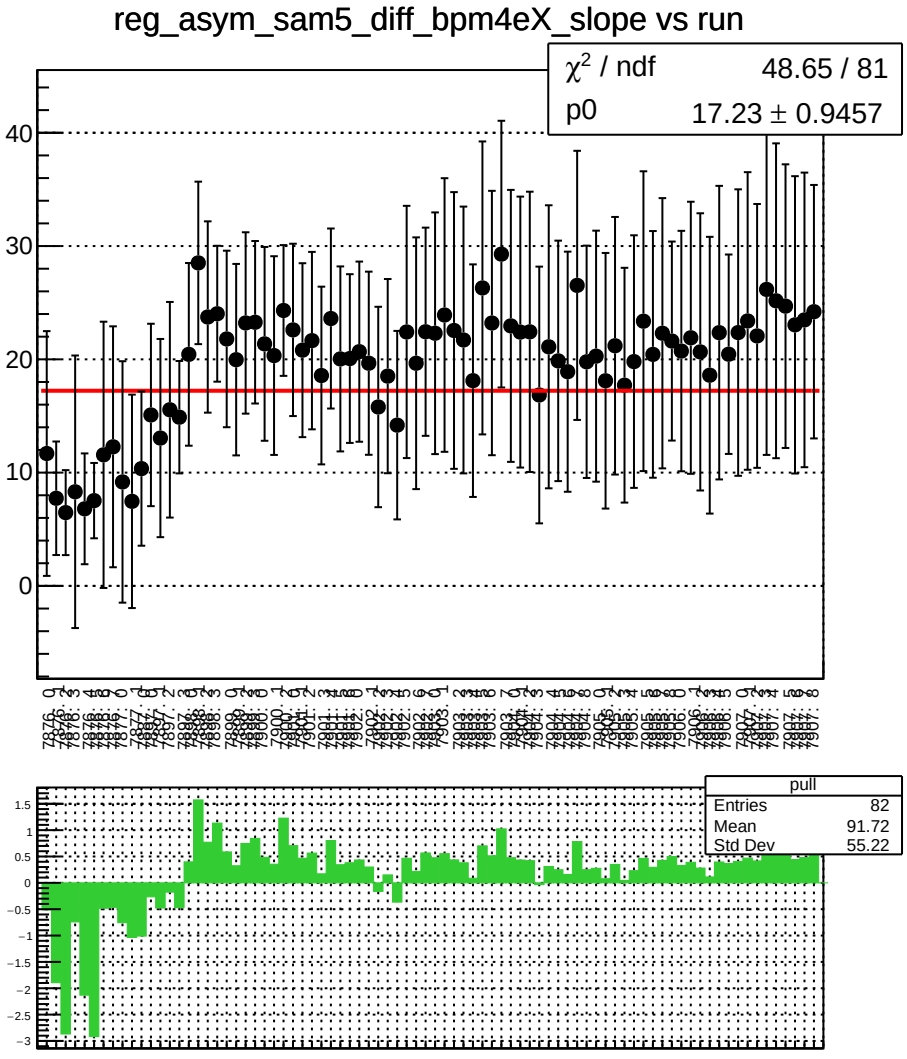

pull1D
Entries 82
Mean −0.1776
Std Dev 0.7516

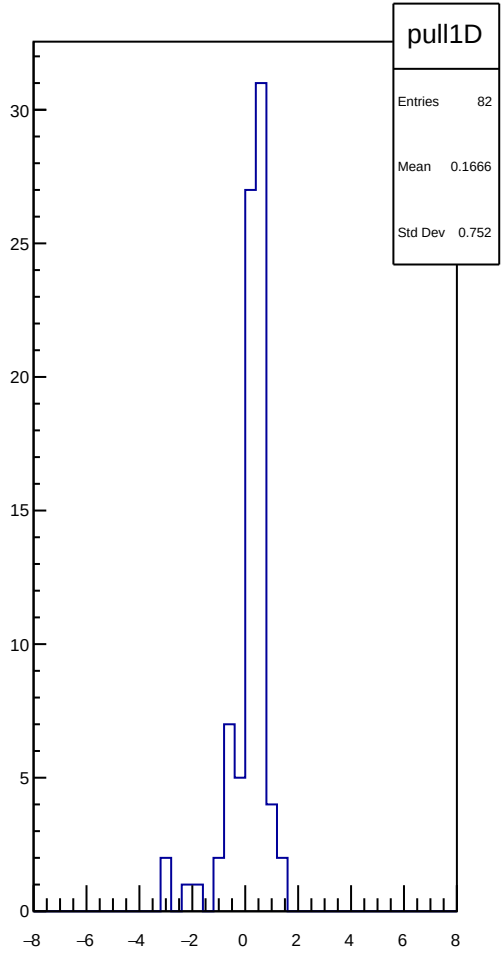

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 11.69 / 81
p0 −4.415 ± 0.3147
pull
Entries 82
Mean 313.8
Std Dev 277
pull1D
Entries 82
Mean −0.02083
Std Dev 0.377

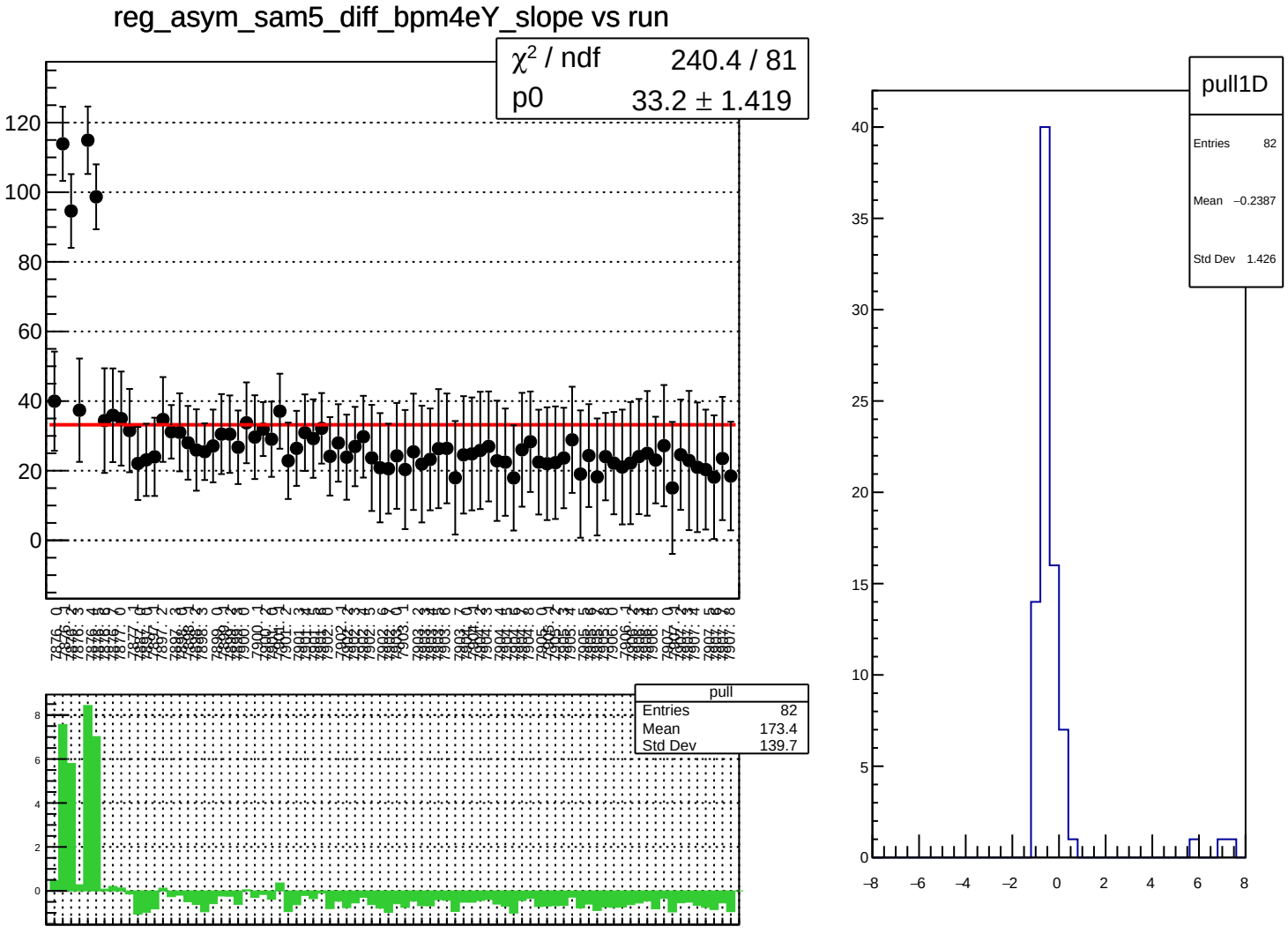

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 48.66 / 81
p0 −12.25 ± 1.148
pull
Entries 82
Mean 99.11
Std Dev 62.99

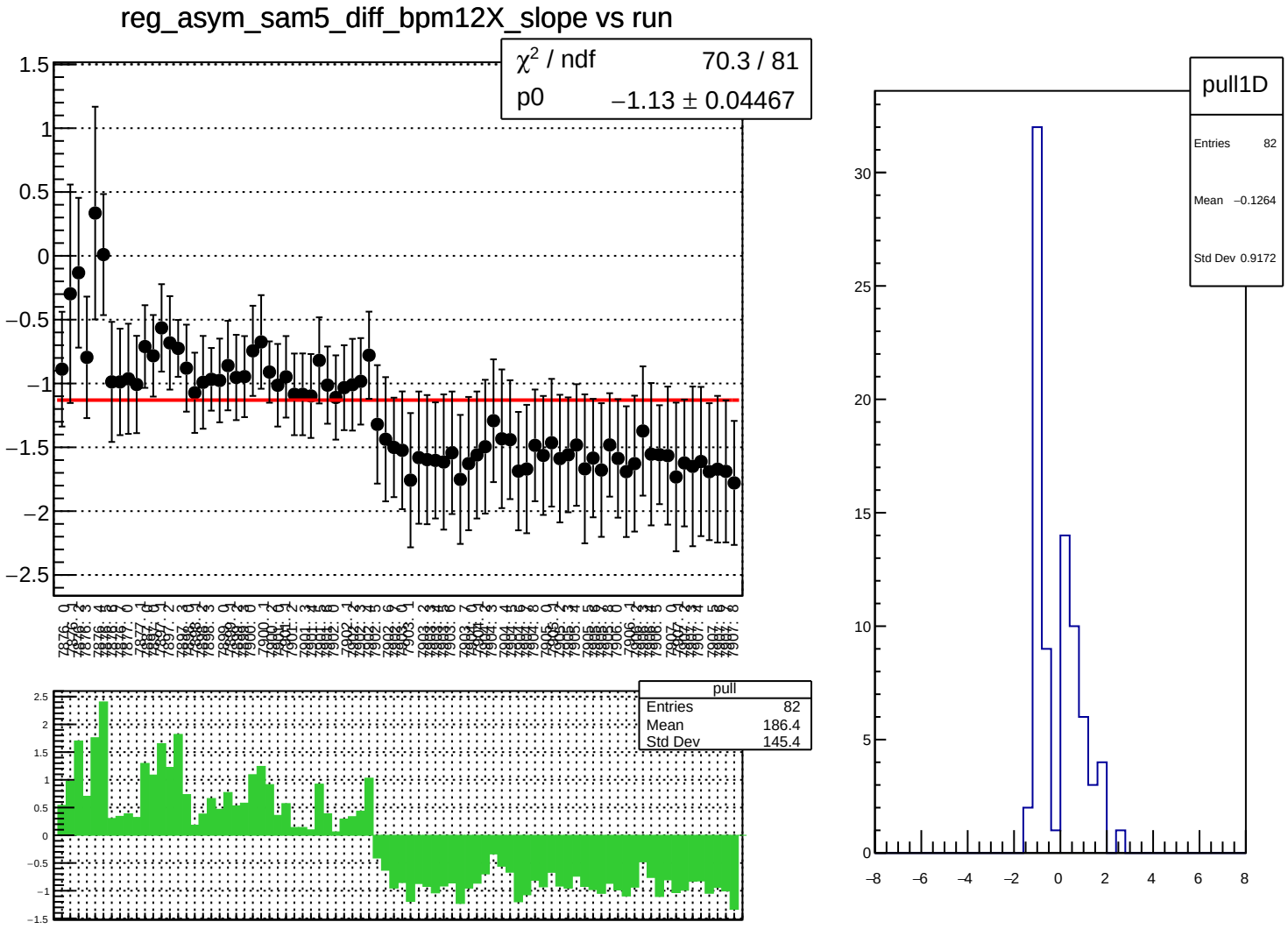

pull1D
Entries 82
Mean −0.1522
Std Dev 0.7551

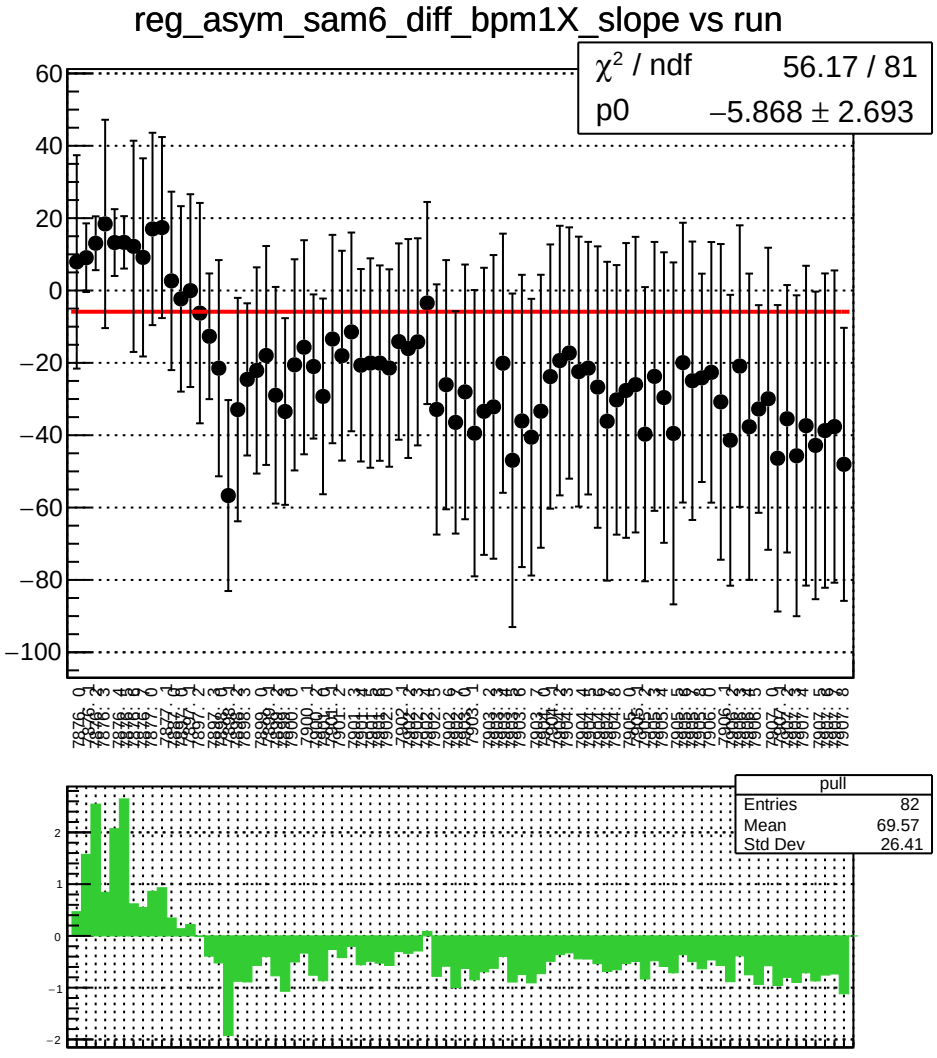

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 373.8 / 81
p0 106.9 ± 1.195
pull
Entries 82
Mean 104.9
Std Dev 68.09
pull1D
Entries 82
Mean 0.7146
Std Dev 0.9732

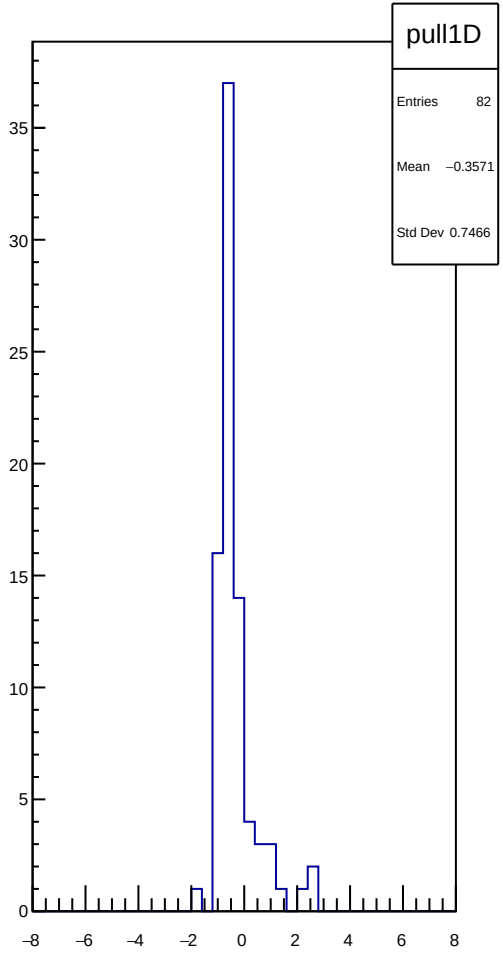

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 48.65 / 81
p0 17.23 ± 0.9457
pull
Entries 82
Mean 91.72
Std Dev 55.22

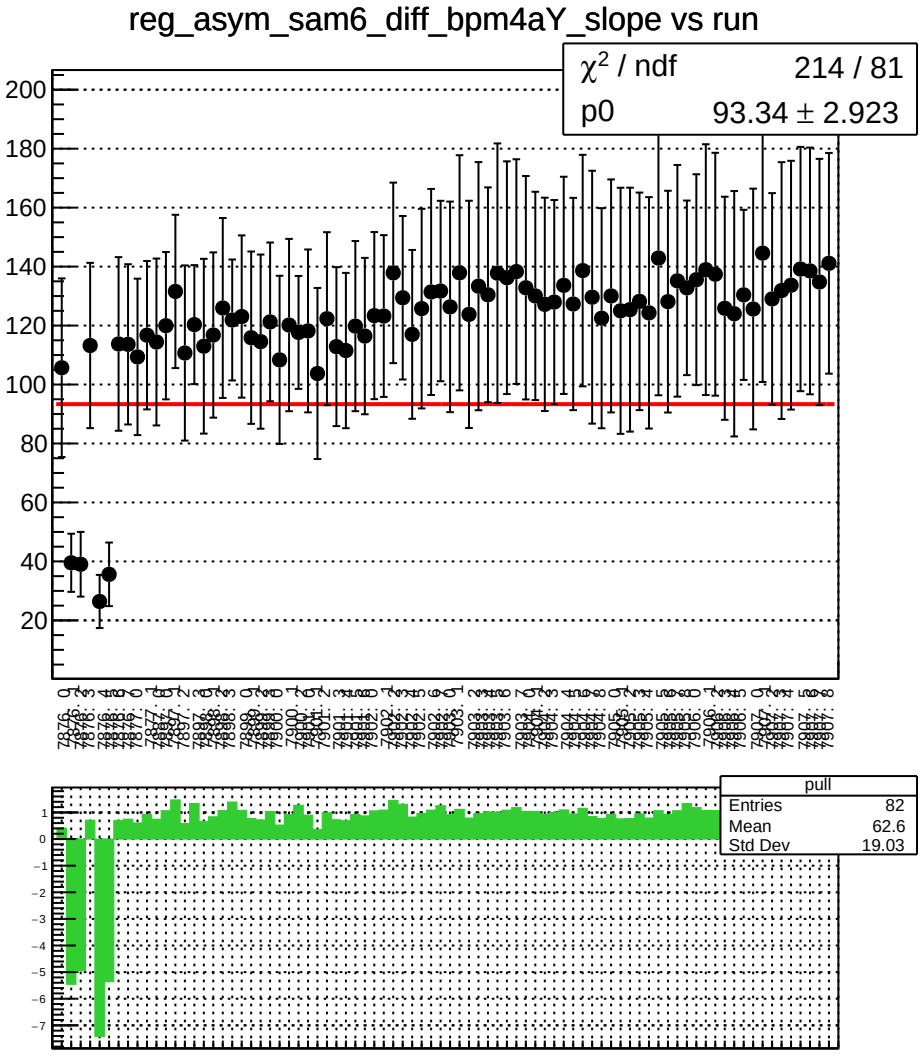

pull1D
Entries 82
Mean 0.1666
Std Dev 0.752

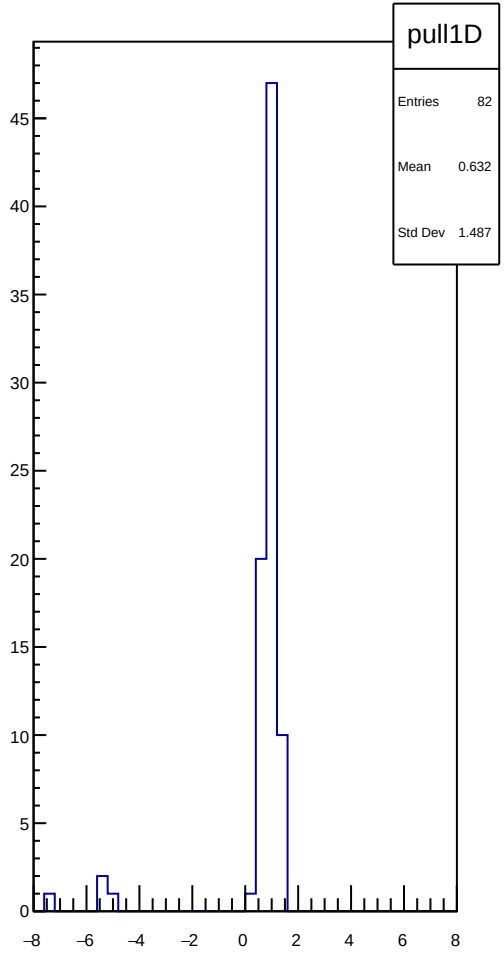

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 240.4 / 81
p0 33.2 ± 1.419
pull
Entries 82
Mean 173.4
Std Dev 139.7
pull1D
Entries 82
Mean −0.2387
Std Dev 1.426

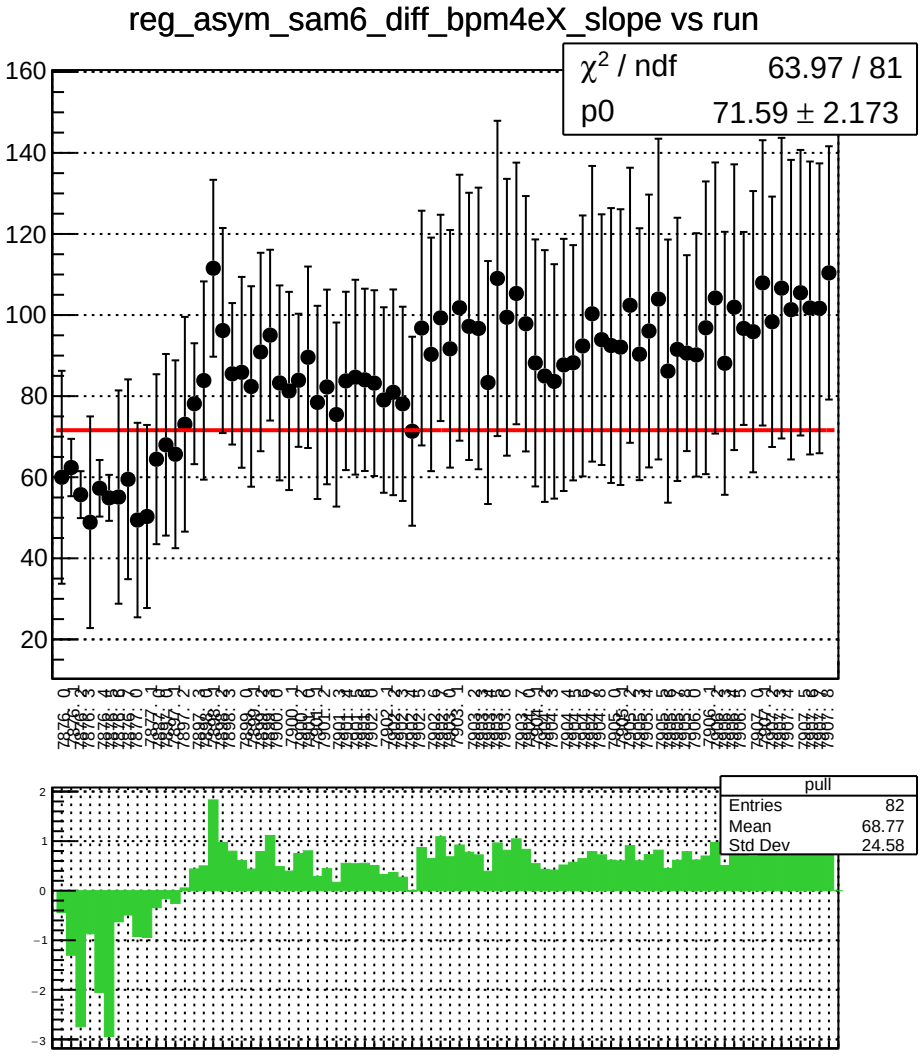

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 70.3 / 81
p0 −1.13 ± 0.04467
pull
Entries 82
Mean 186.4
Std Dev 145.4
pull1D
Entries 82
Mean −0.1264
Std Dev 0.9172

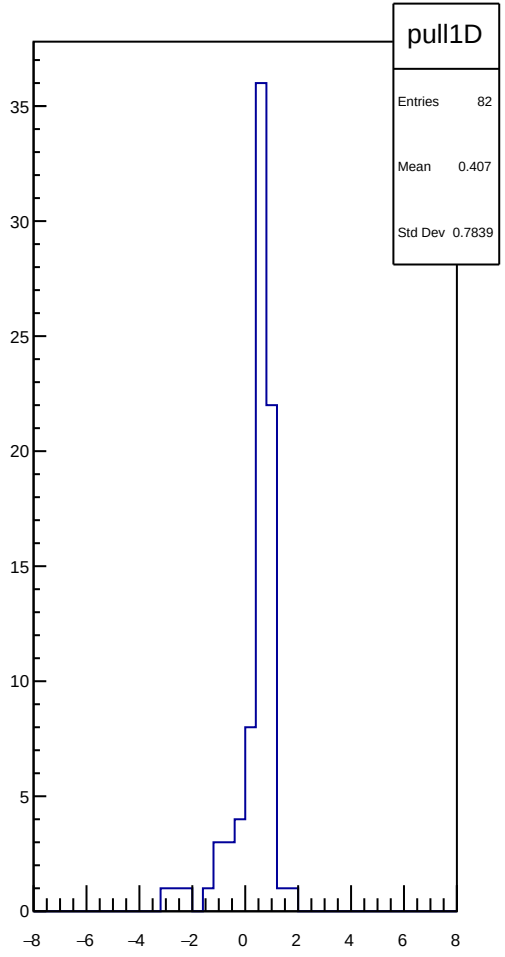

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 56.17 / 81
p0 −5.868 ± 2.693
pull
Entries 82
Mean 69.57
Std Dev 26.41

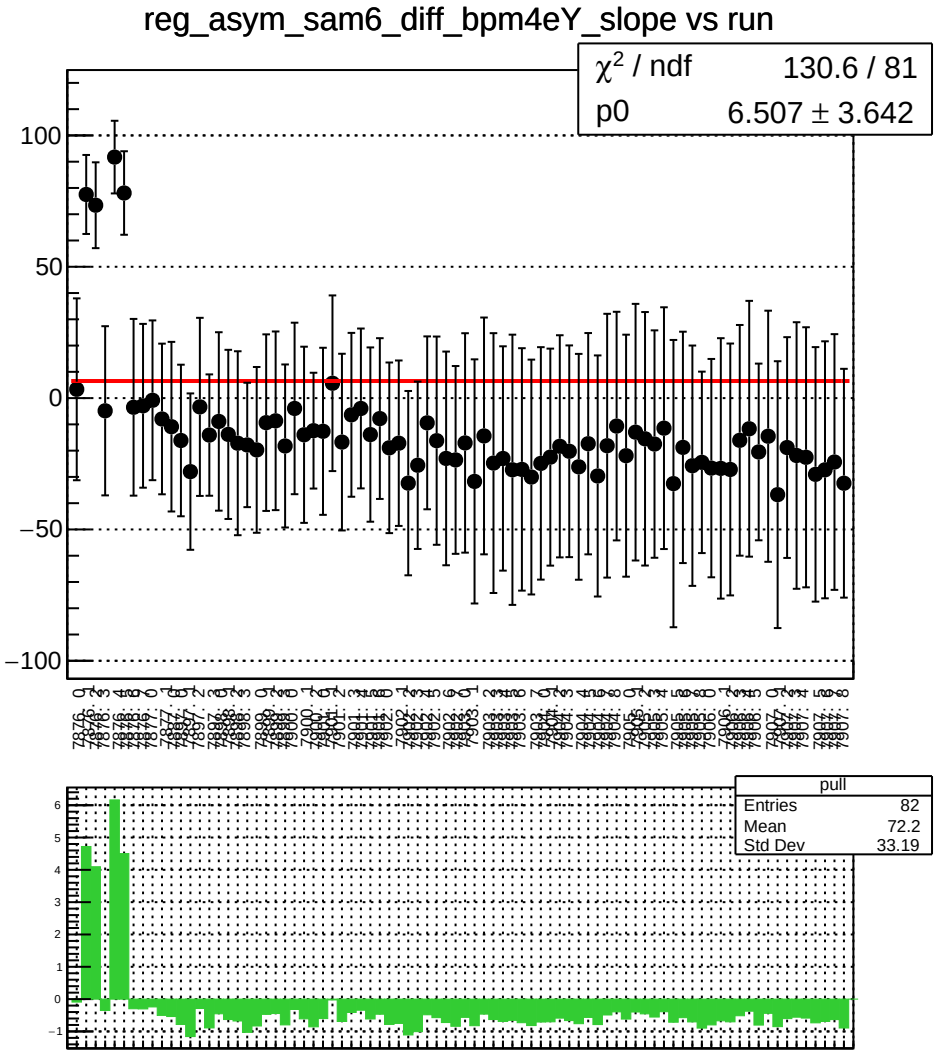

pull1D
Entries 82
Mean −0.3571
Std Dev 0.7466

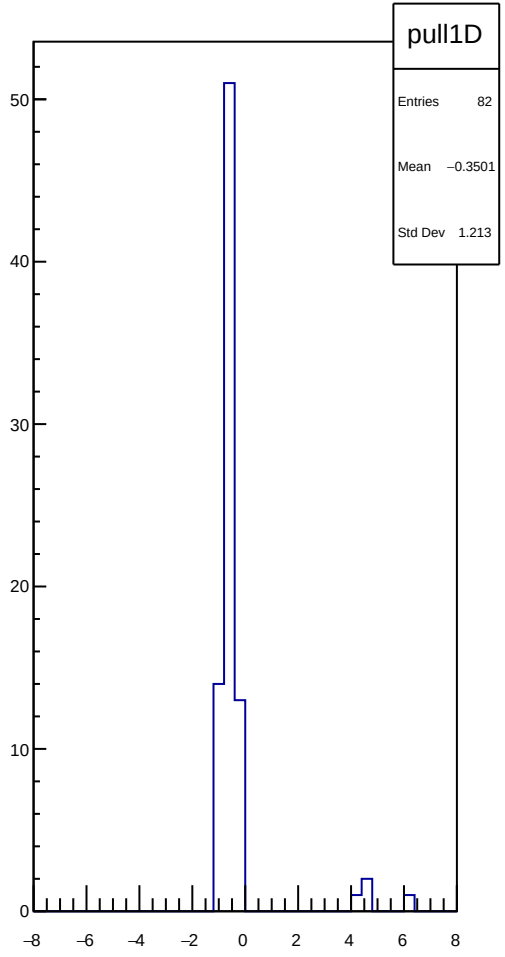

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 214 / 81
p0 93.34 ± 2.923
pull
Entries 82
Mean 62.6
Std Dev 19.03


pull1D
Entries 82
Mean 0.632
Std Dev 1.487

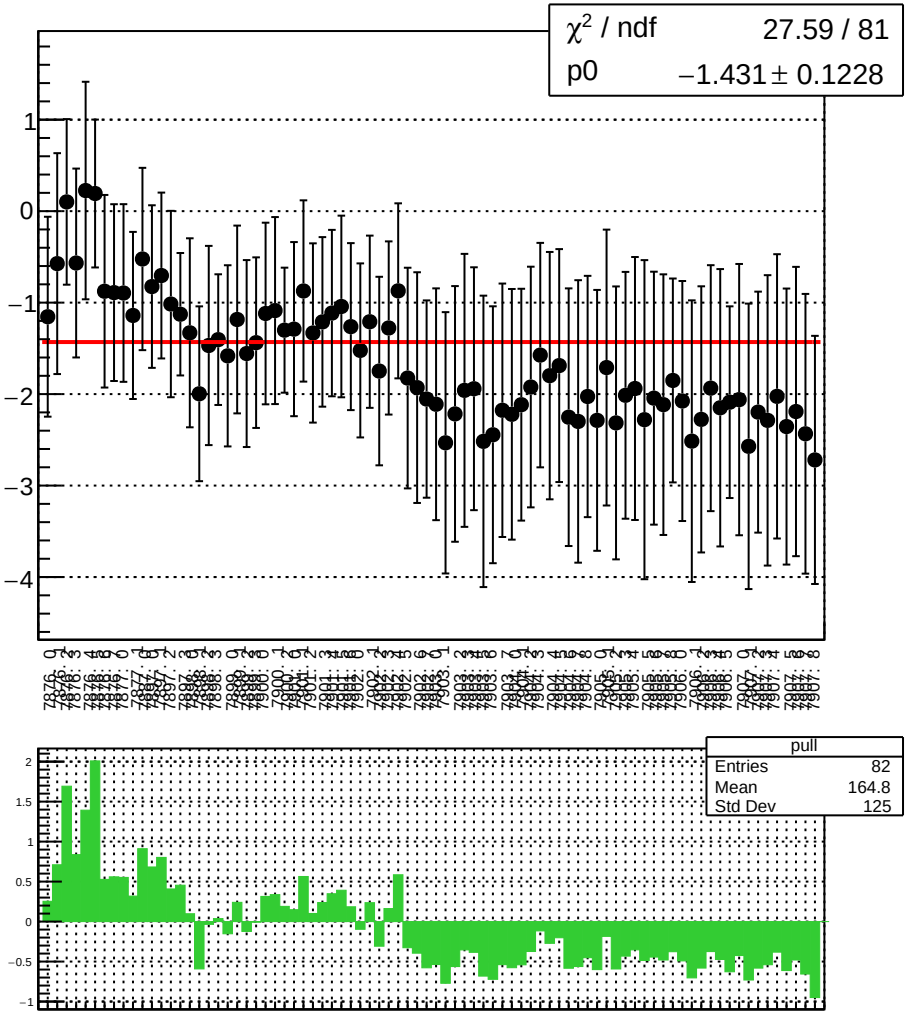

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 63.97 / 81
p0 71.59 ± 2.173
pull
Entries 82
Mean 68.77
Std Dev 24.58

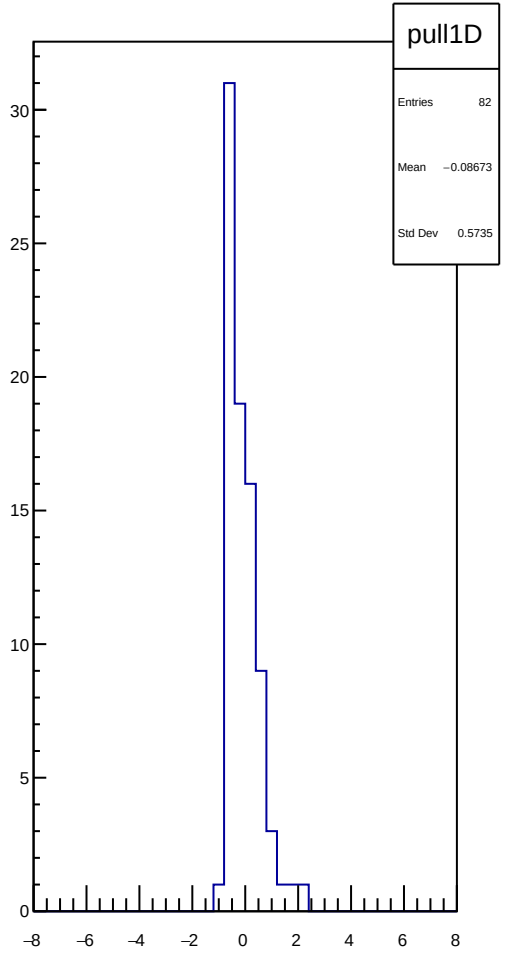

pull1D
Entries 82
Mean 0.407
Std Dev 0.7839

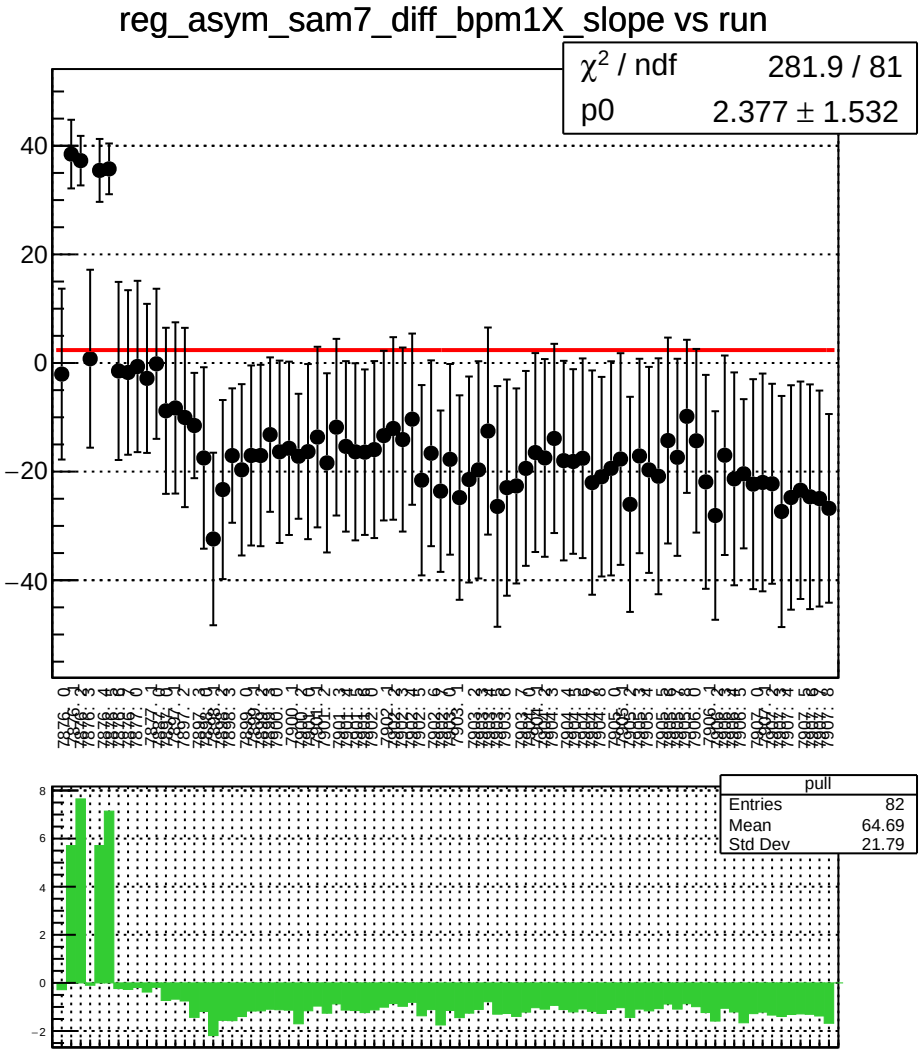

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 130.6 / 81
p0 6.507 ± 3.642
pull
Entries 82
Mean 72.2
Std Dev 33.19

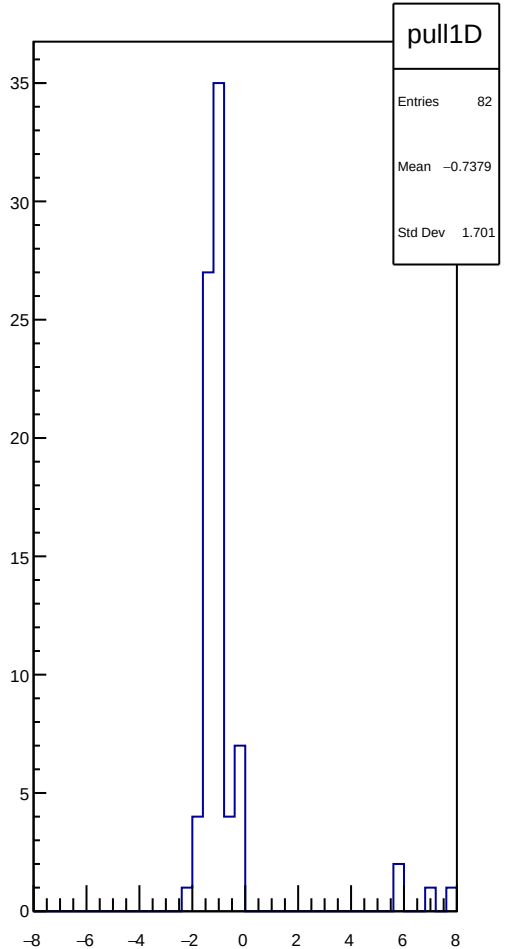

pull1D
Entries 82
Mean −0.3501
Std Dev 1.213

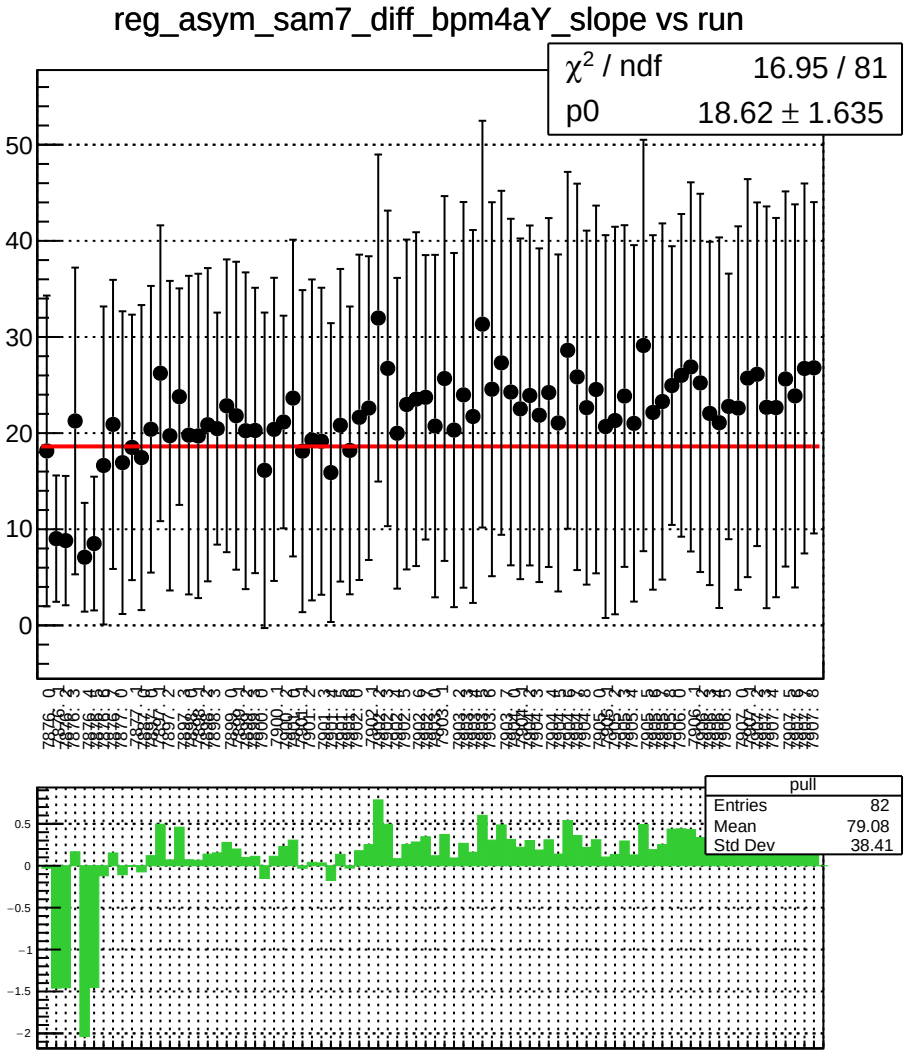
reg_asym_sam6_diff_bpm12X_slope vs run

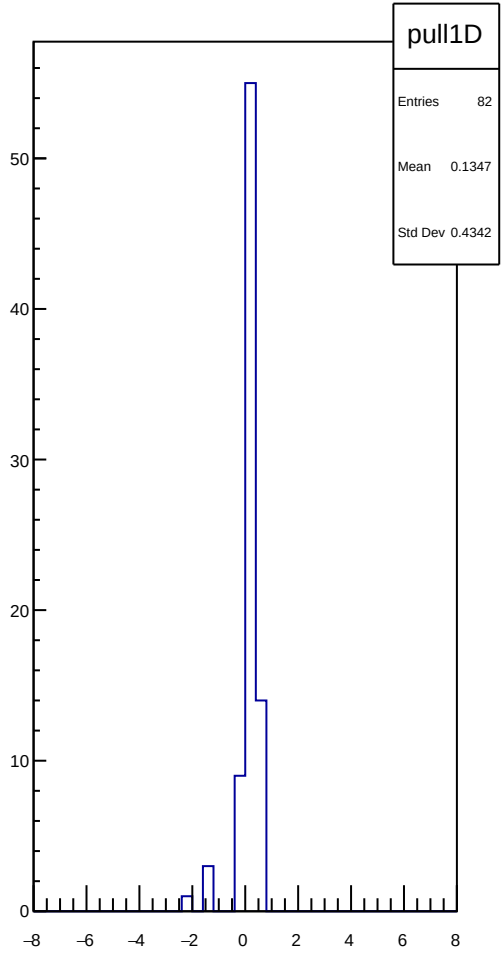


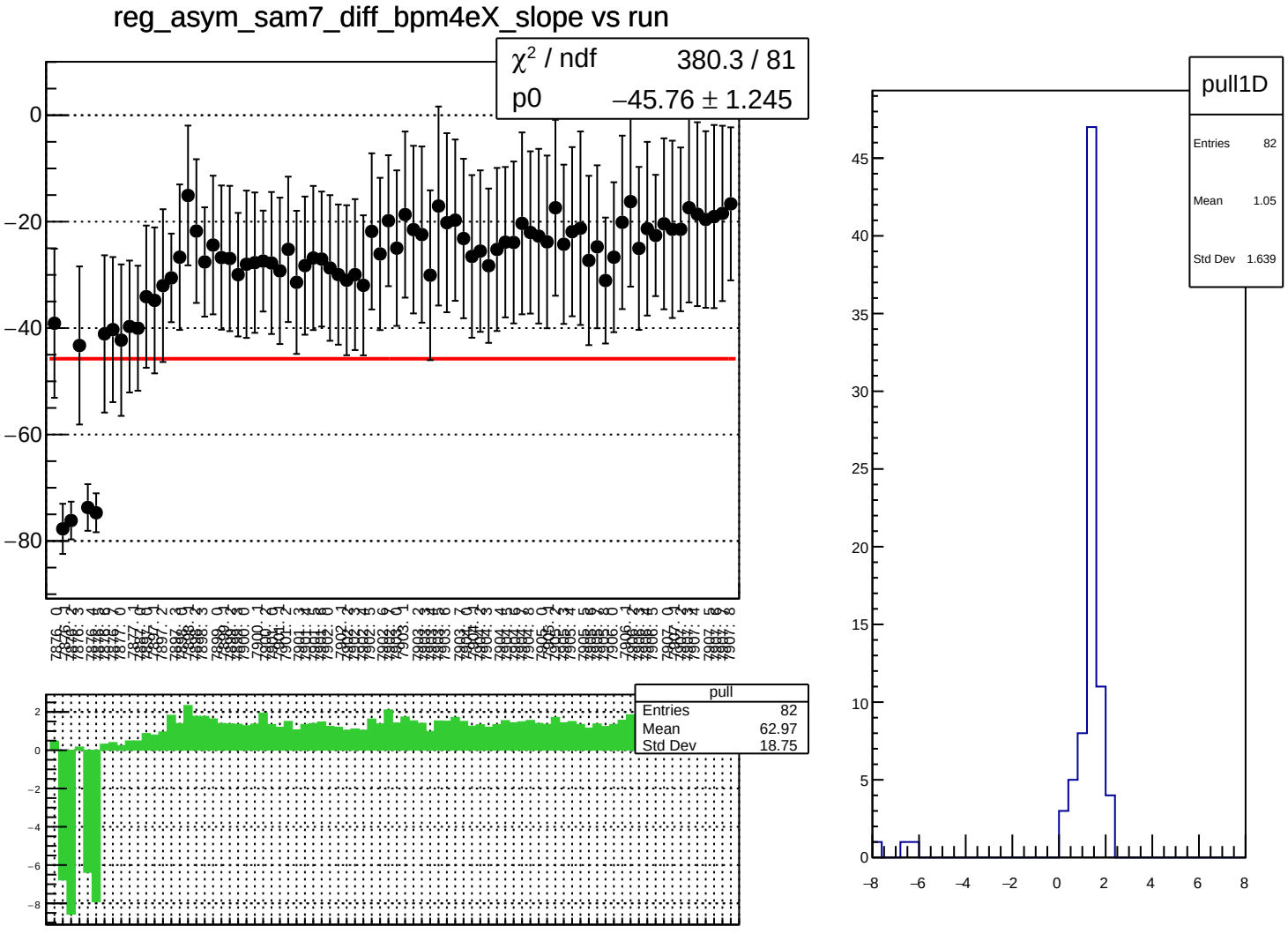


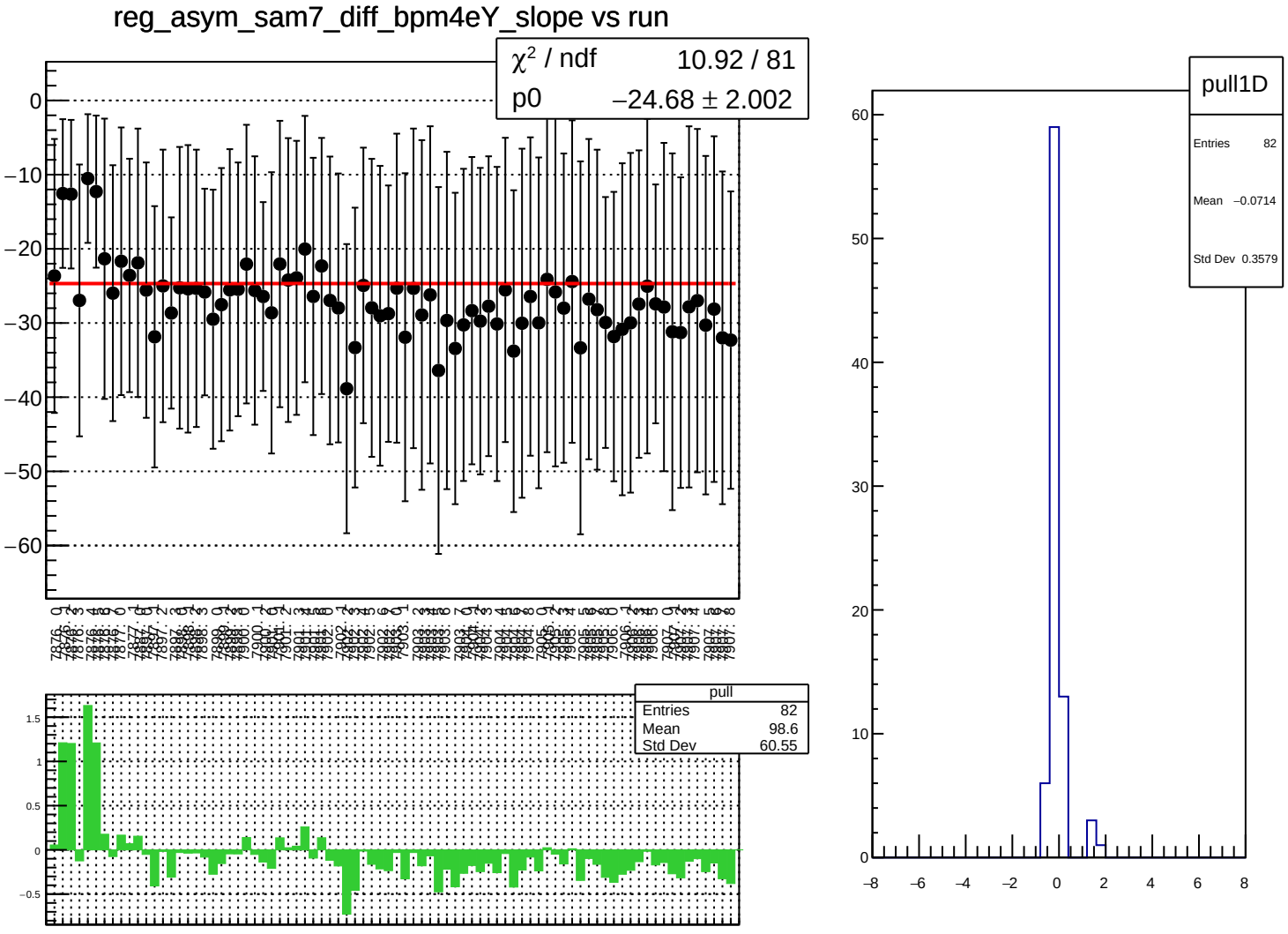

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 281.9 / 81
p0 2.377 ± 1.532
pull
Entries 82
Mean 64.69
Std Dev 21.79

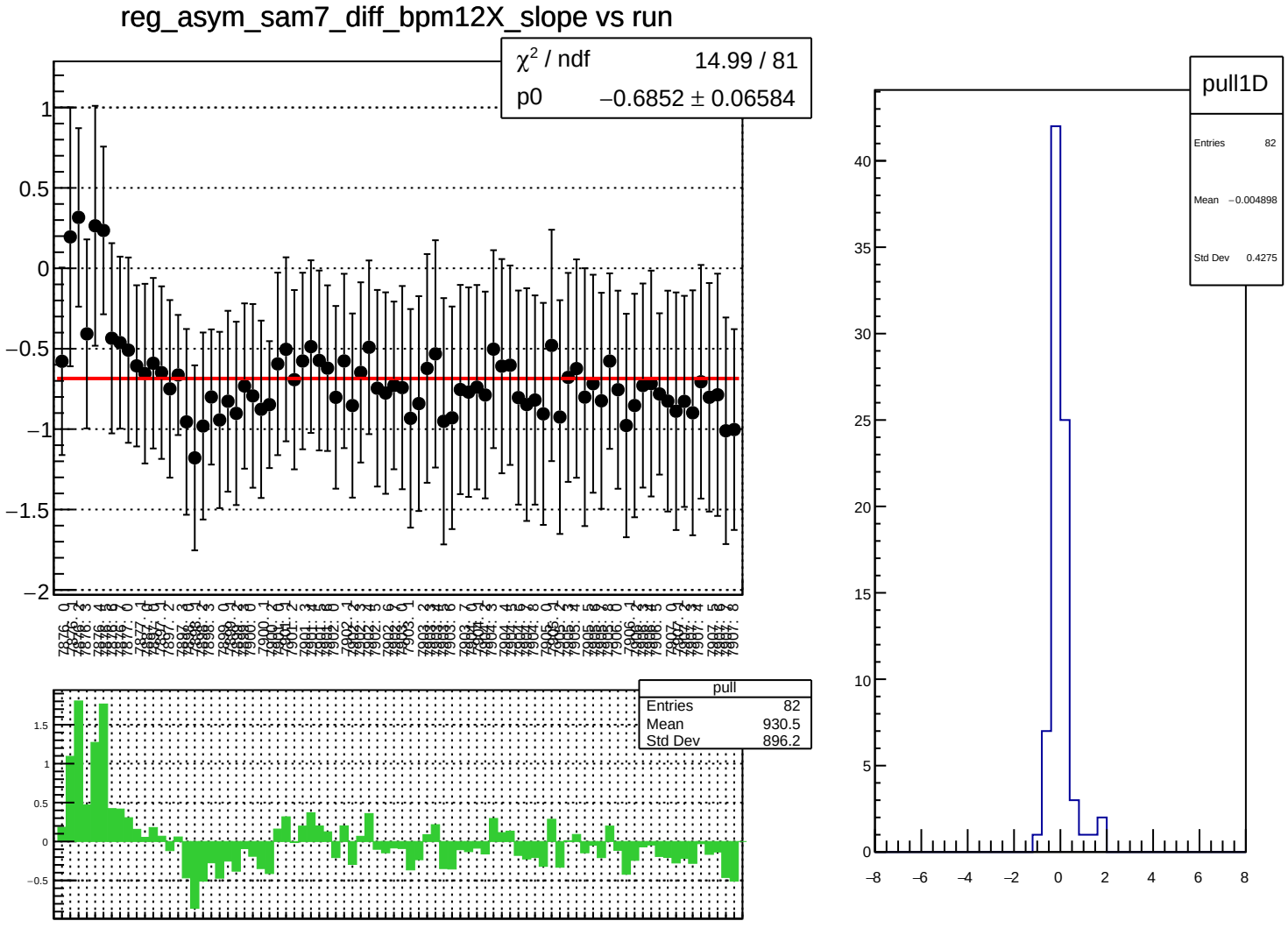

pull1D
Entries 82
Mean −0.7379
Std Dev 1.701

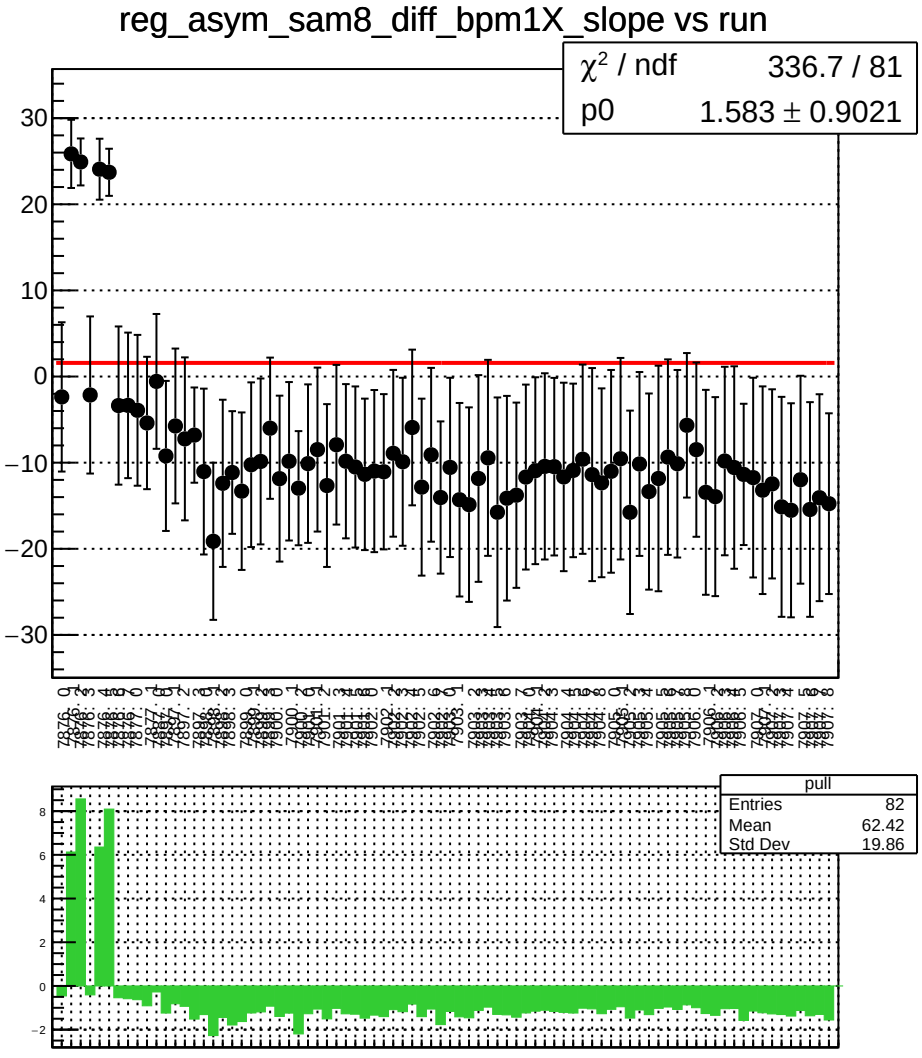

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 16.95 / 81
p0 18.62 ± 1.635
pull
Entries 82
Mean 79.08
Std Dev 38.41

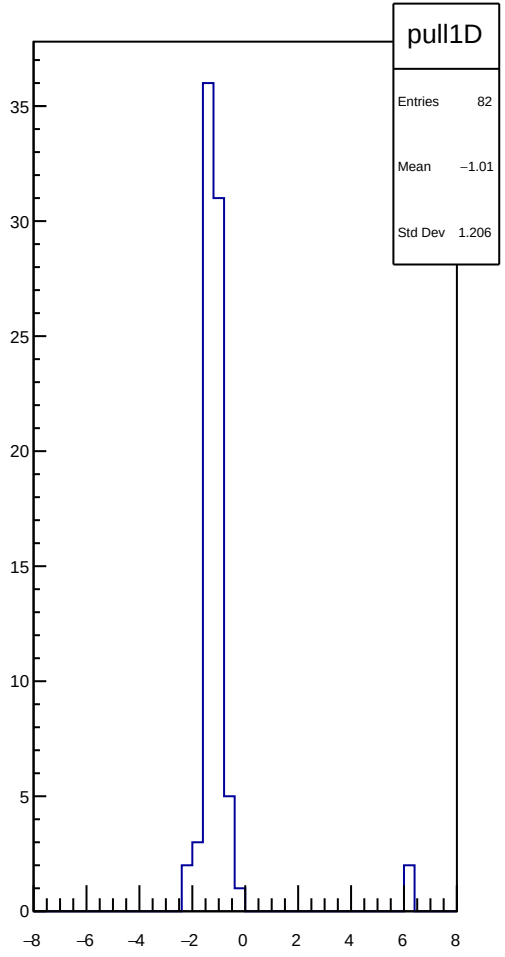

pull1D
Entries 82
Mean 0.1347
Std Dev 0.4342

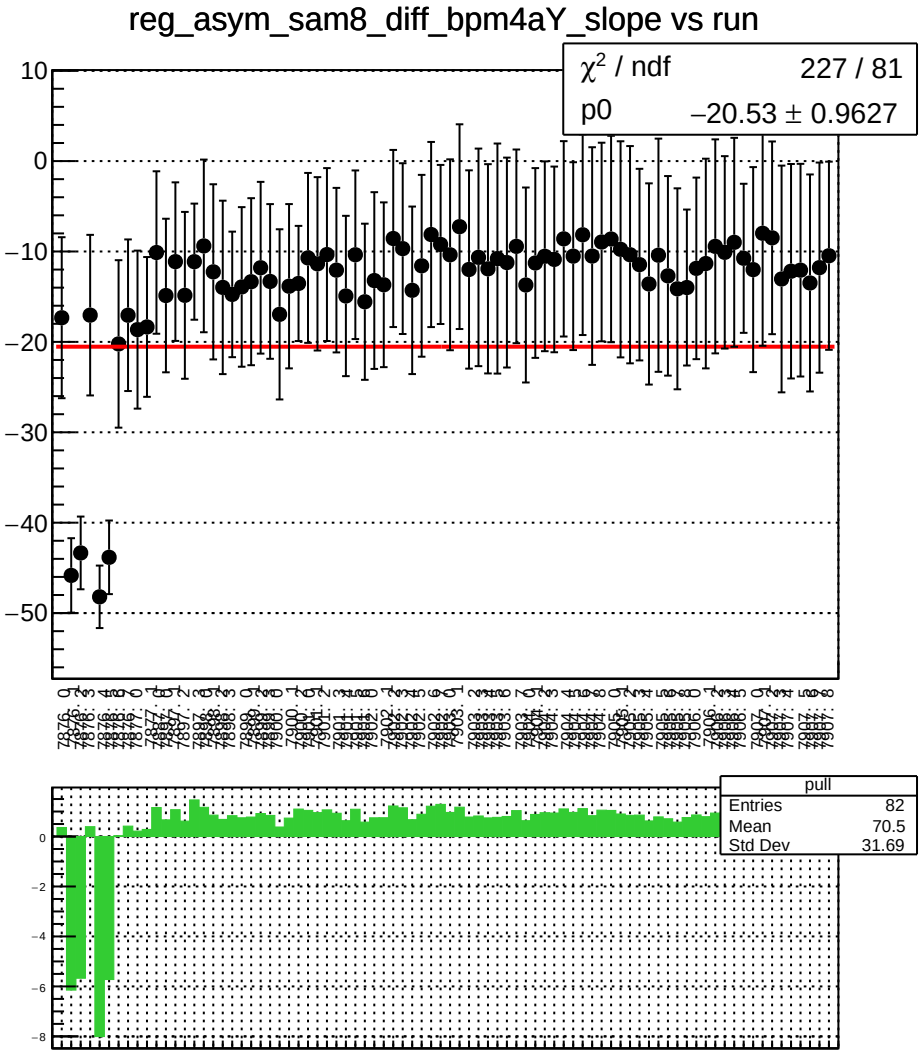

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 380.3 / 81
p0 −45.76 ± 1.245
pull
Entries 82
Mean 62.97
Std Dev 18.75
pull1D
Entries 82
Mean 1.05
Std Dev 1.639

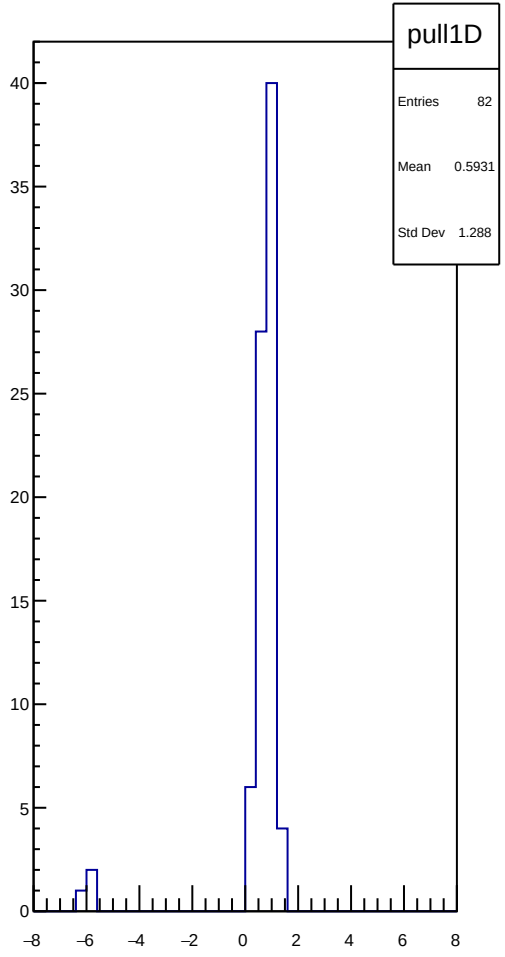

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 81
p0 −24.68 ± 2.002
pull
Entries 82
Mean 98.6
Std Dev 60.55
pull1D
Entries 82
Mean −0.0714
Std Dev 0.3579

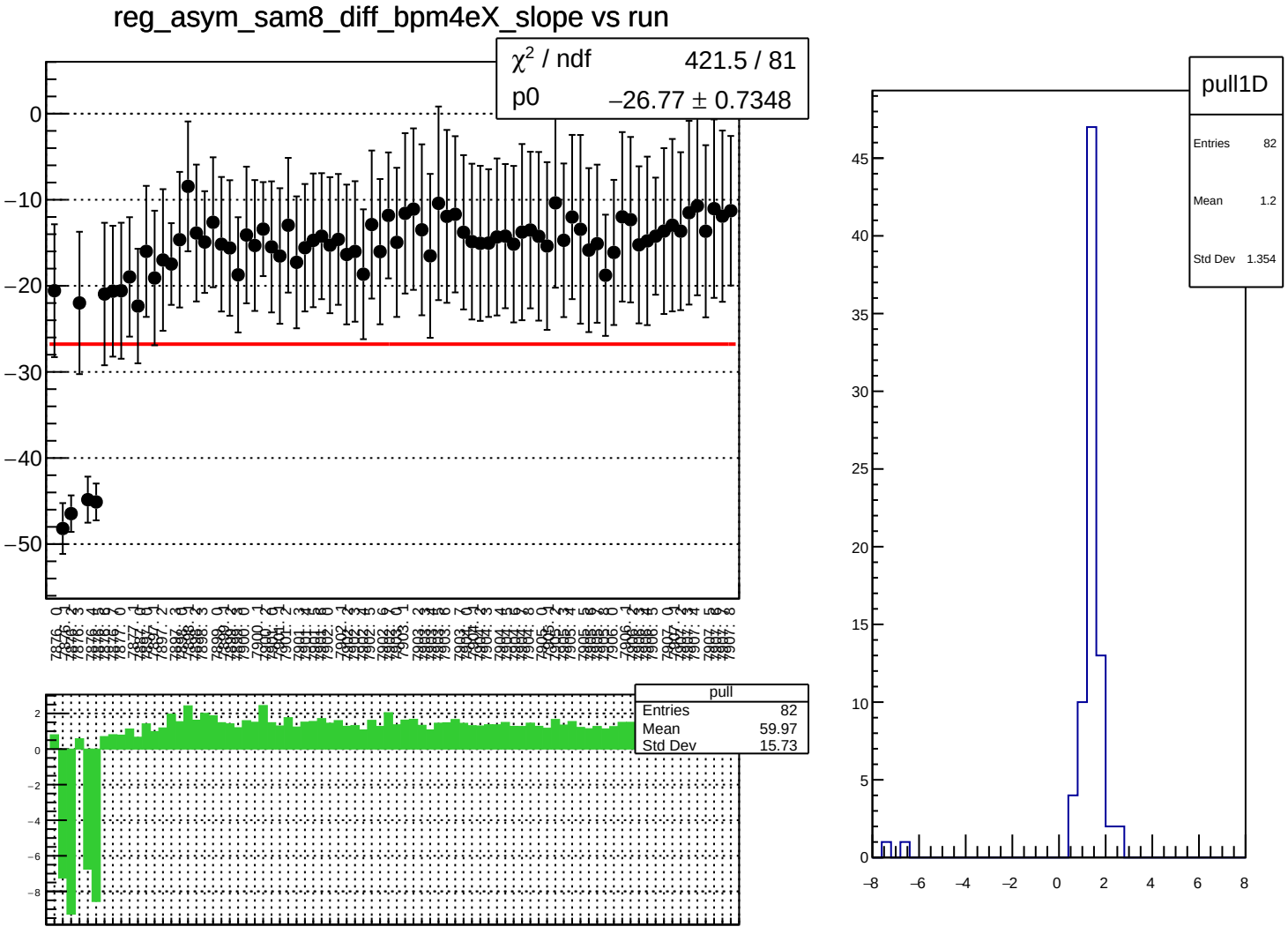

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 14.99 / 81
p0 −0.6852 ± 0.06584
pull
Entries 82
Mean 930.5
Std Dev 896.2
pull1D
Entries 82
Mean −0.004898
Std Dev 0.4275

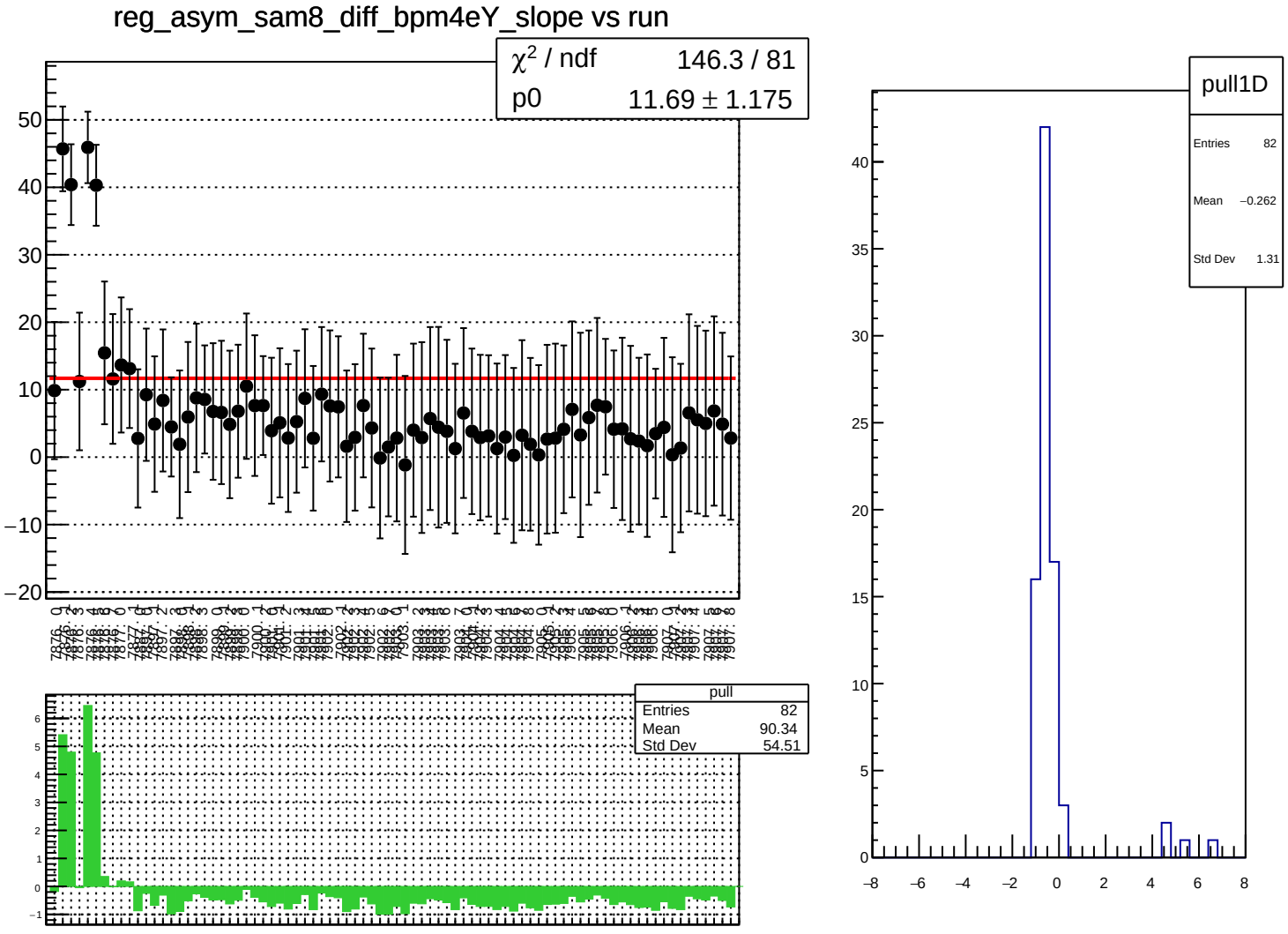

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 336.7 / 81
p0 1.583 ± 0.9021
pull
Entries 82
Mean 62.42
Std Dev 19.86

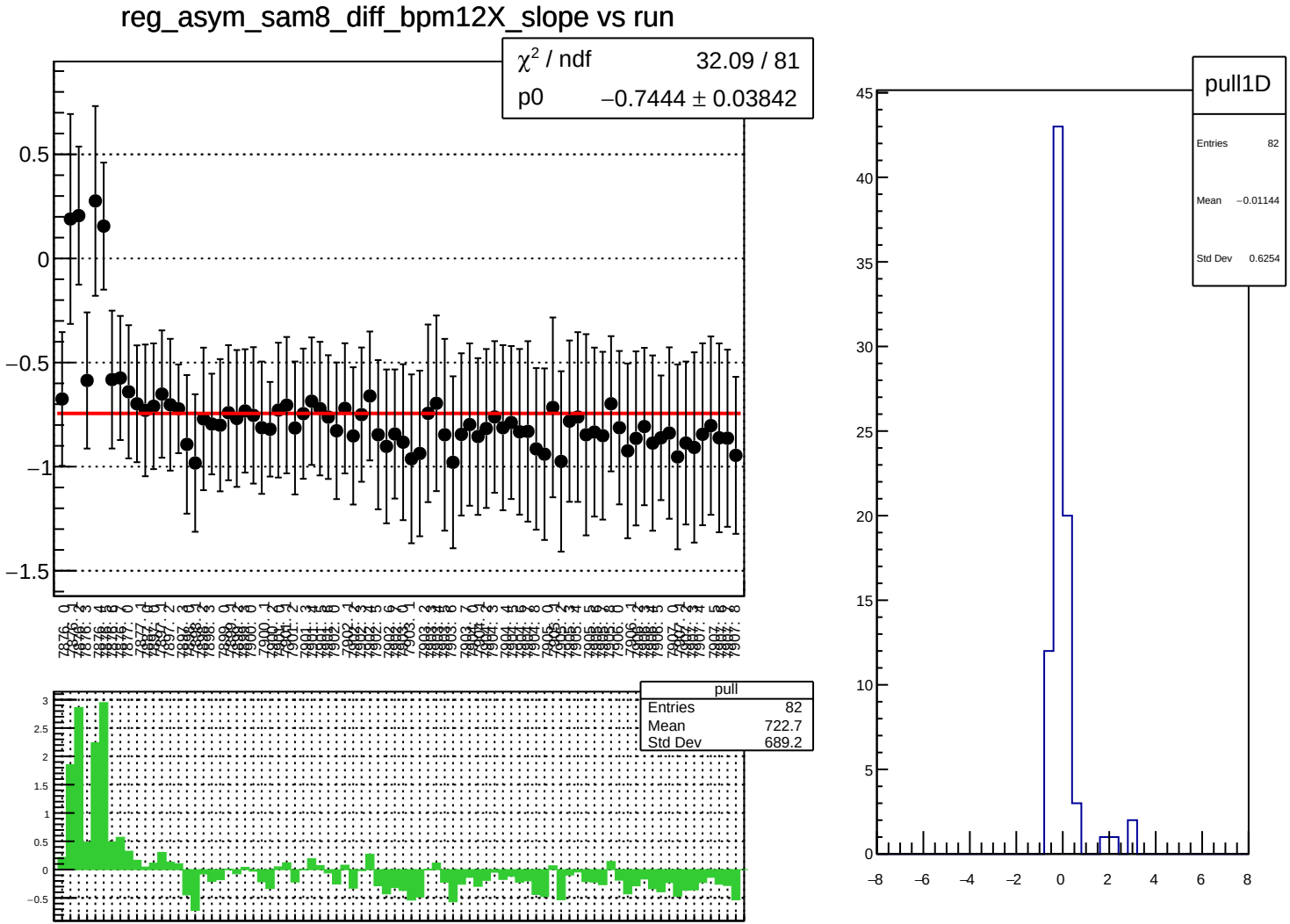

pull1D
Entries 82
Mean −1.01
Std Dev 1.206


reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 227 / 81
p0 −20.53 ± 0.9627
pull
Entries 82
Mean 70.5
Std Dev 31.69

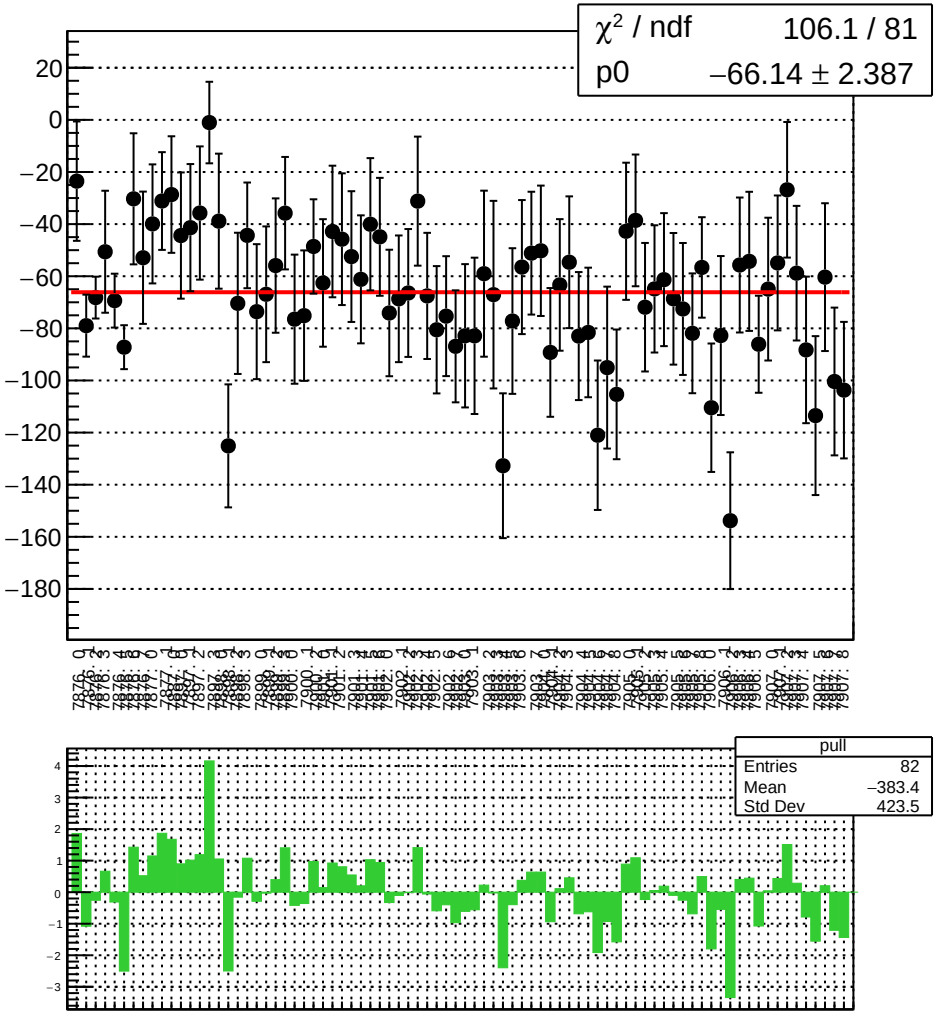

pull1D
Entries 82
Mean 0.5931
Std Dev 1.288

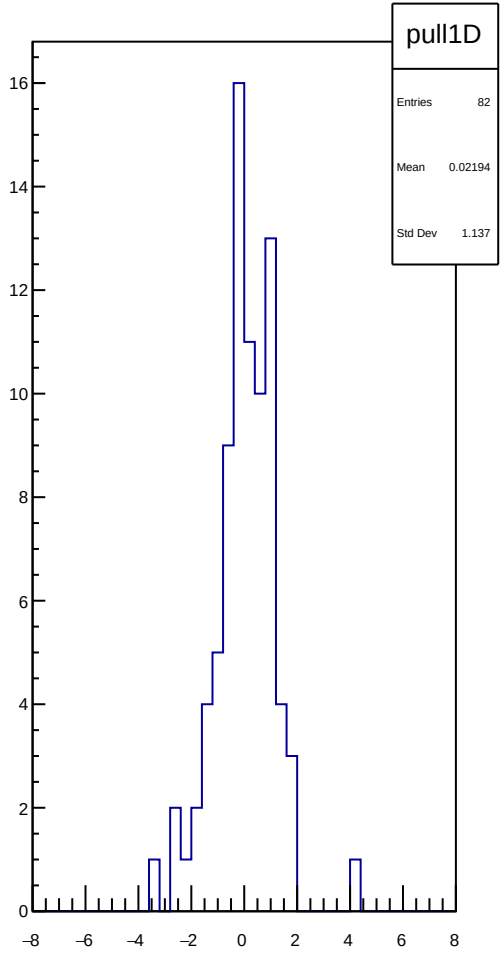

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 421.5 / 81
p0 −26.77 ± 0.7348
pull
Entries 82
Mean 59.97
Std Dev 15.73
pull1D
Entries 82
Mean 1.2
Std Dev 1.354

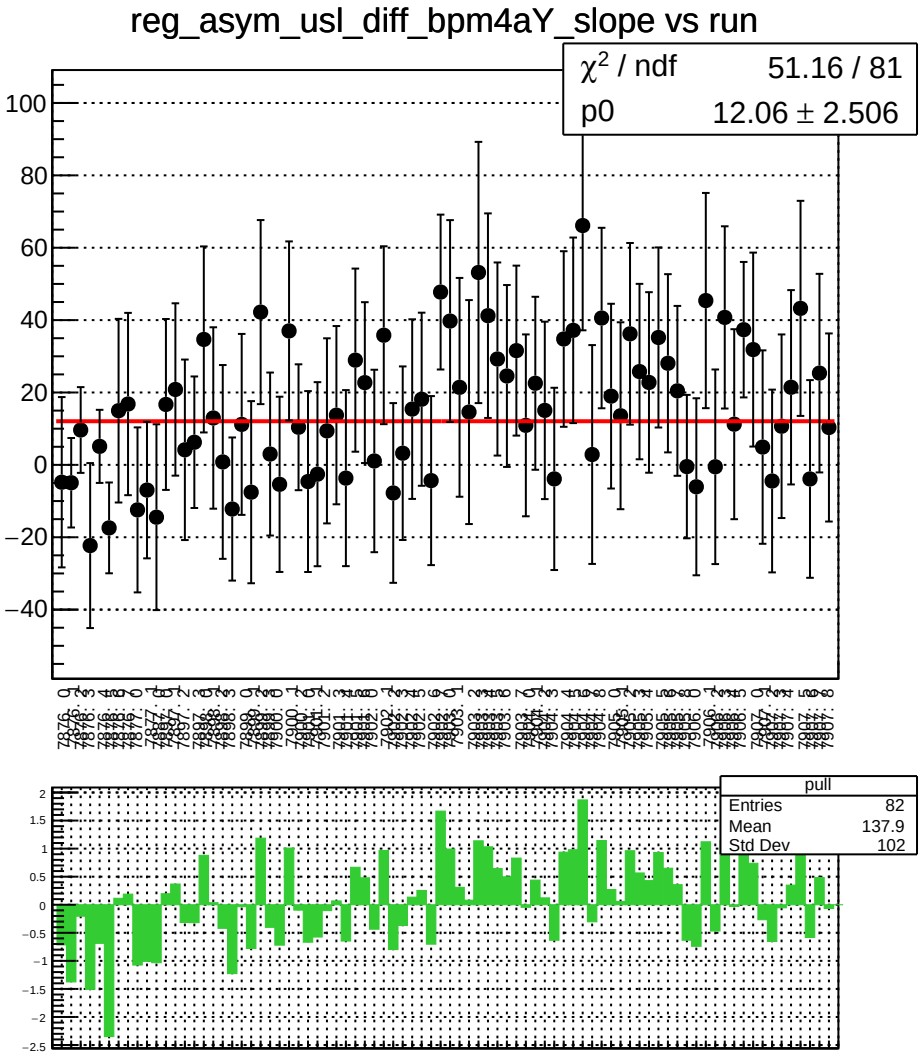

reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 146.3 / 81
p0 11.69 ± 1.175
pull
Entries 82
Mean 90.34
Std Dev 54.51
pull1D
Entries 82
Mean −0.262
Std Dev 1.31

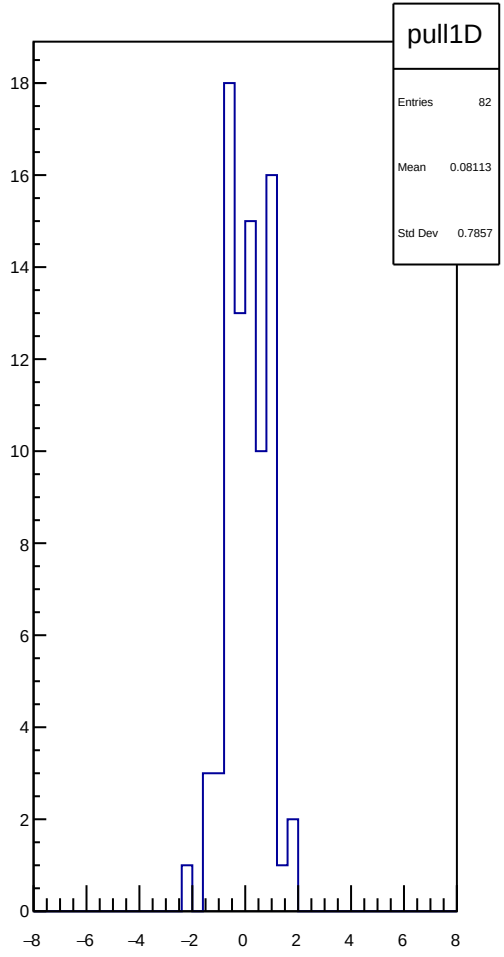

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 32.09 / 81
p0 −0.7444 ± 0.03842
pull
Entries 82
Mean 722.7
Std Dev 689.2
pull1D
Entries 82
Mean −0.01144
Std Dev 0.6254

reg_asym_usl_diff_bpm1X_slope vs run

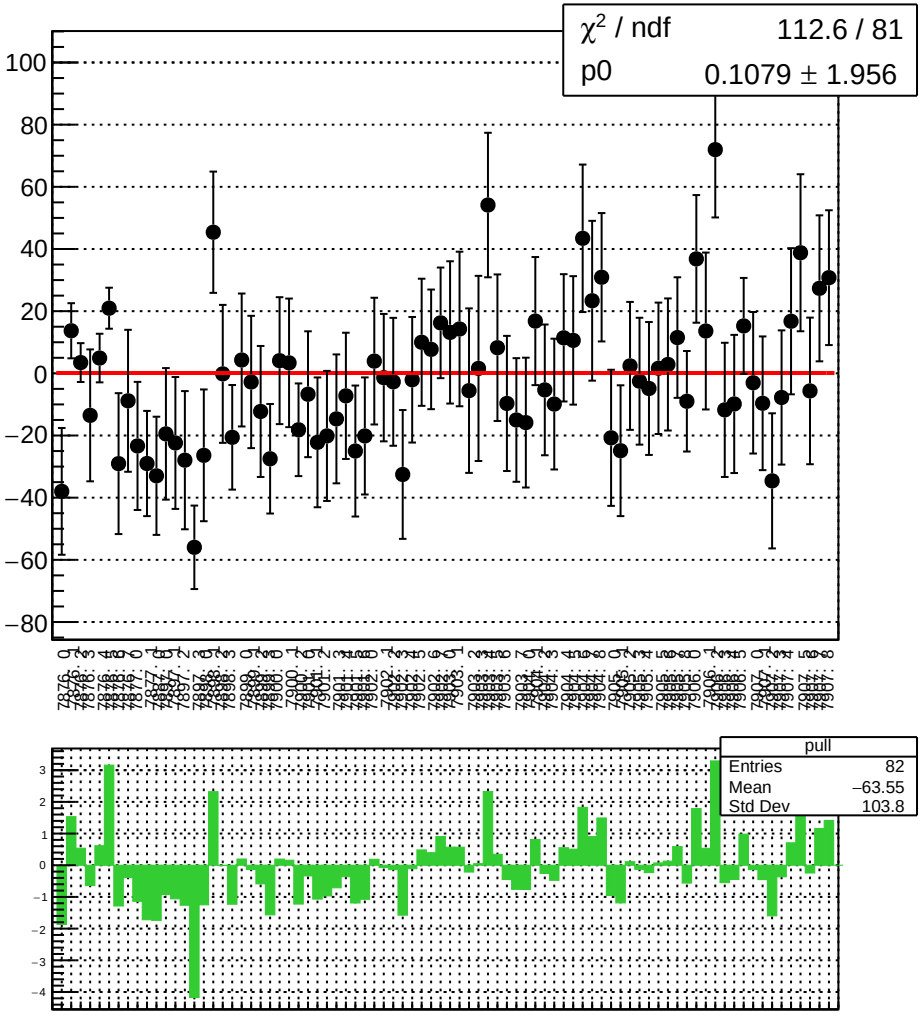


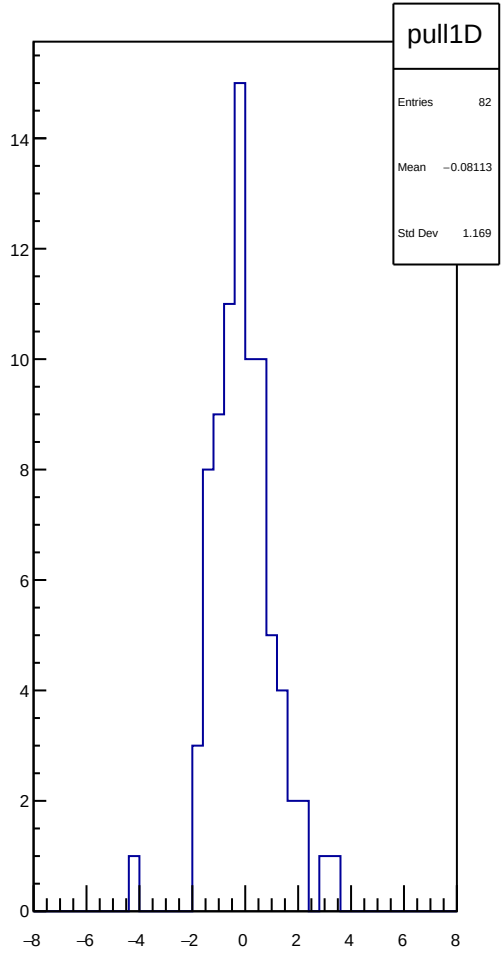


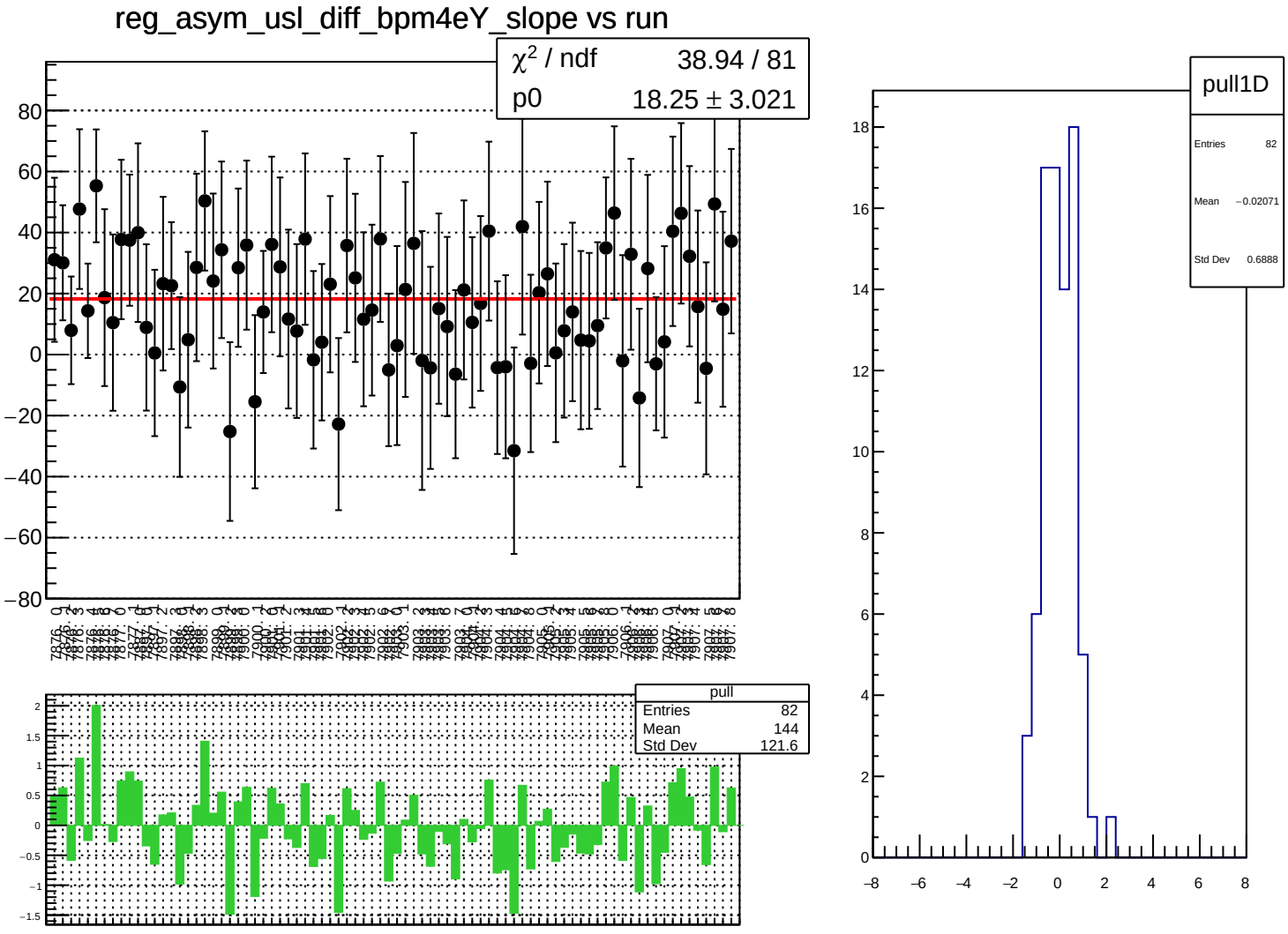

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 51.16 / 81
p0 12.06 ± 2.506
pull
Entries 82
Mean 137.9
Std Dev 102

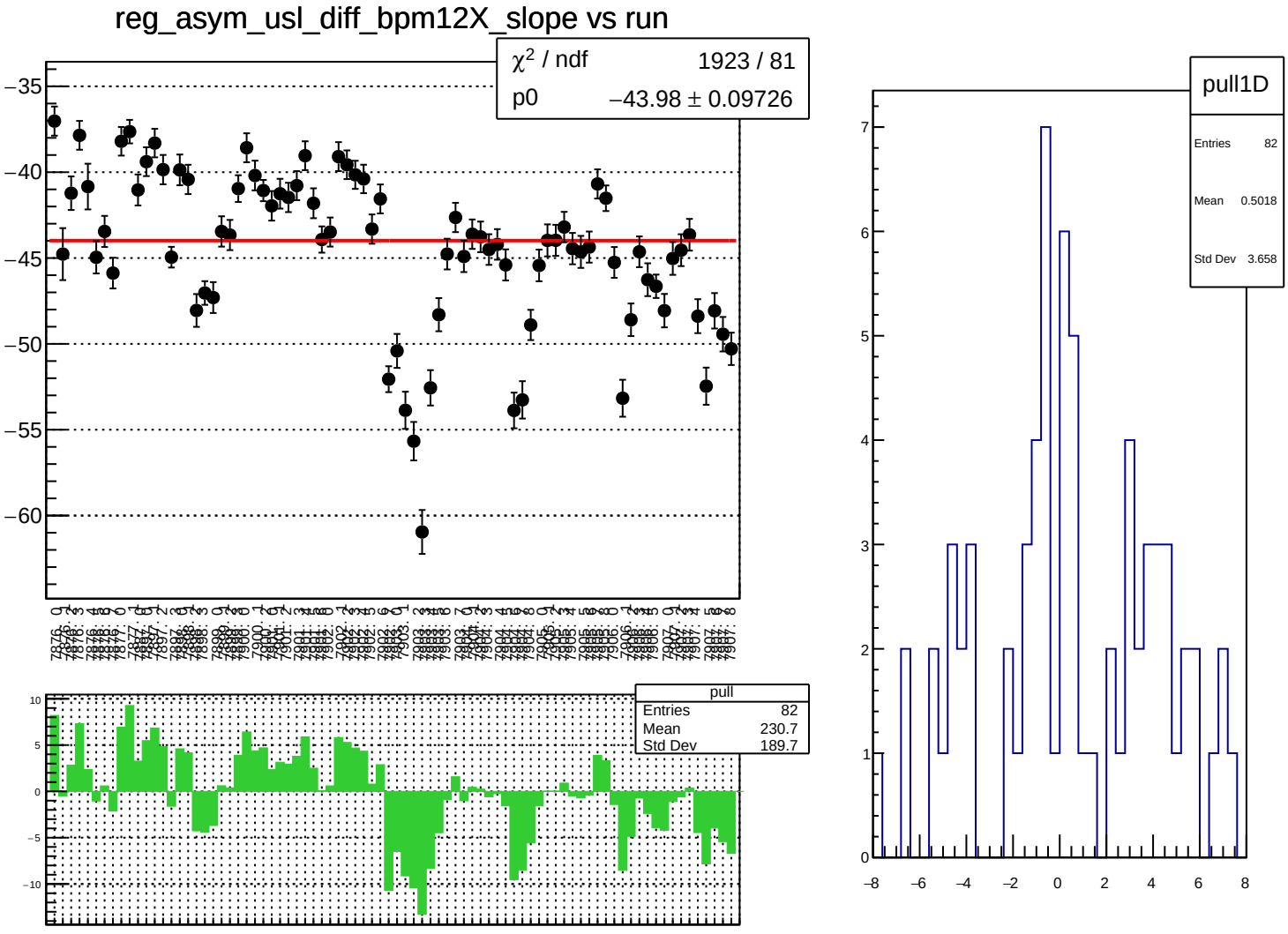

pull1D
Entries 82
Mean 0.08113
Std Dev 0.7857

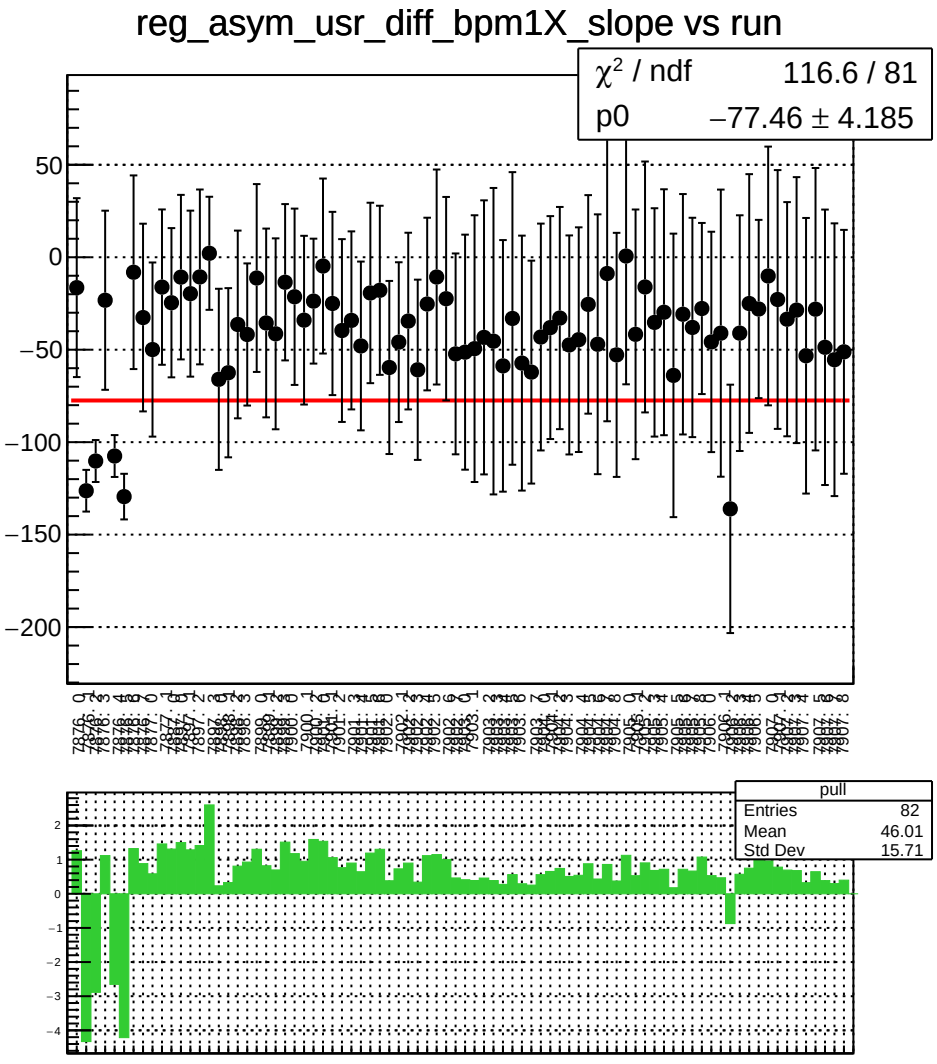
reg_asym_usl_diff_bpm4eX_slope vs run

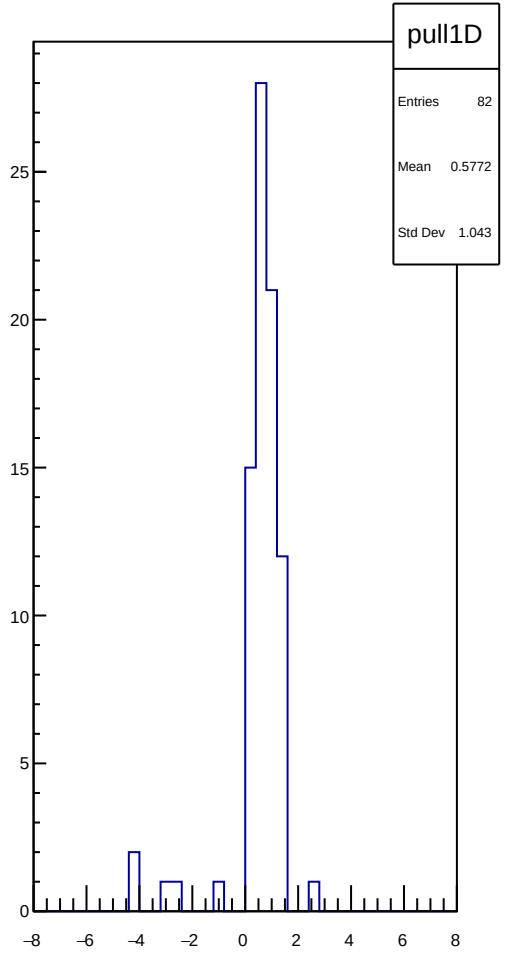


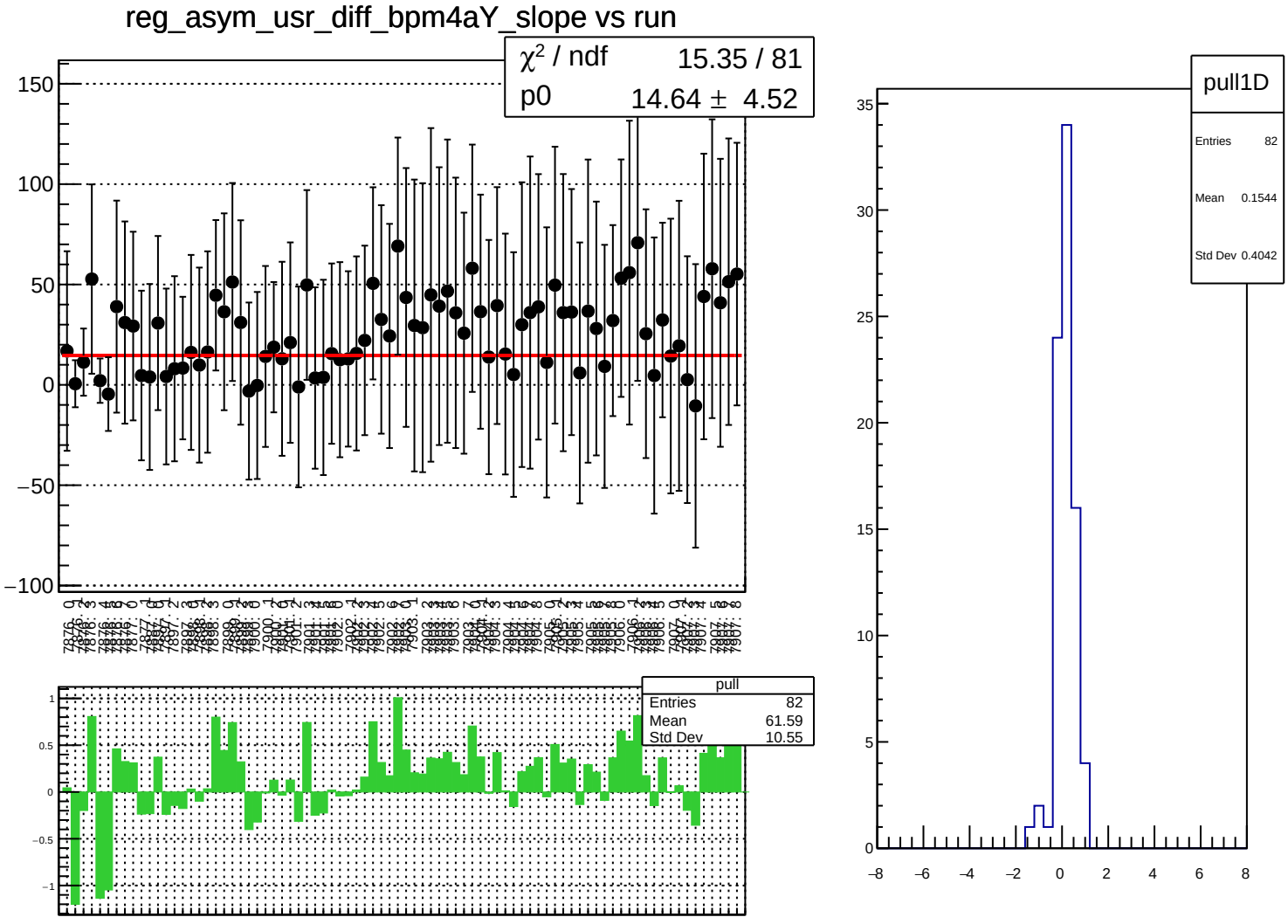


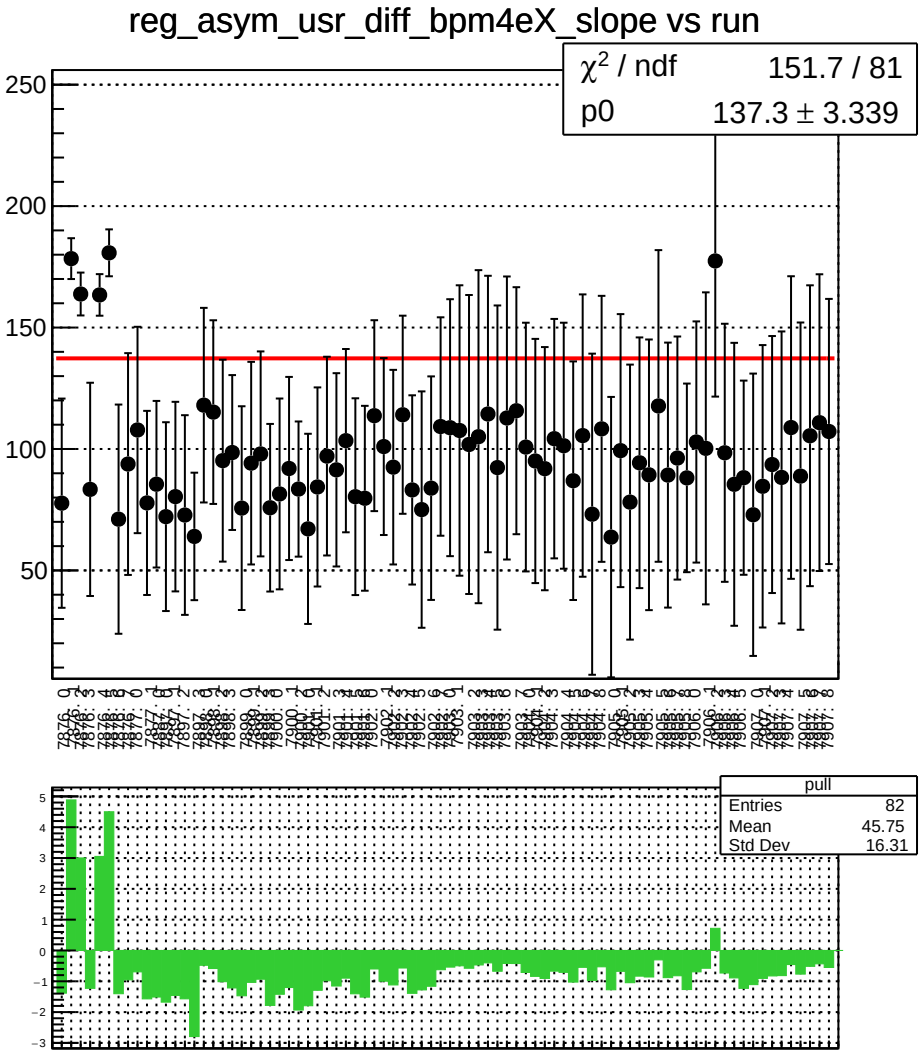

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 38.94 / 81
p0 18.25 ± 3.021
pull
Entries 82
Mean 144
Std Dev 121.6
pull1D
Entries 82
Mean −0.02071
Std Dev 0.6888

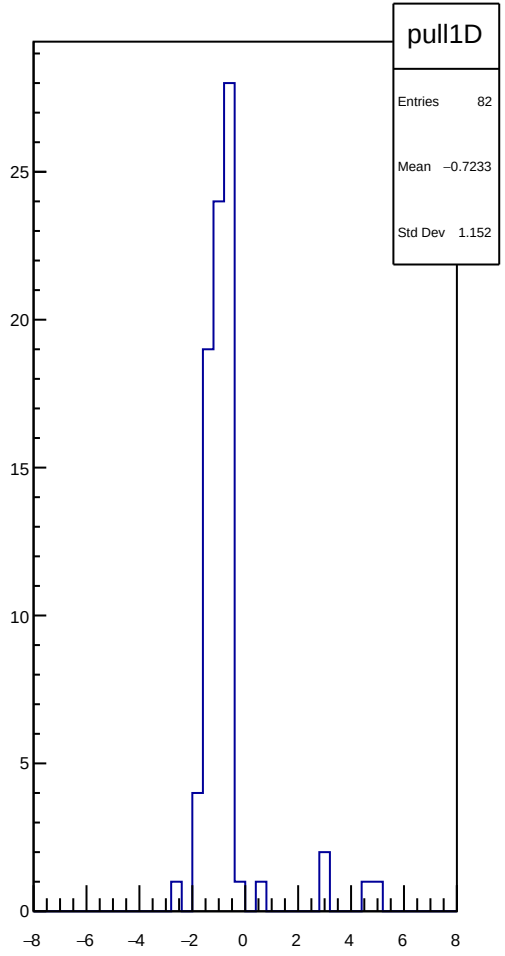

reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 1923 / 81
p0 −43.98 ± 0.09726
pull
Entries 82
Mean 230.7
Std Dev 189.7
pull1D
Entries 82
Mean 0.5018
Std Dev 3.658

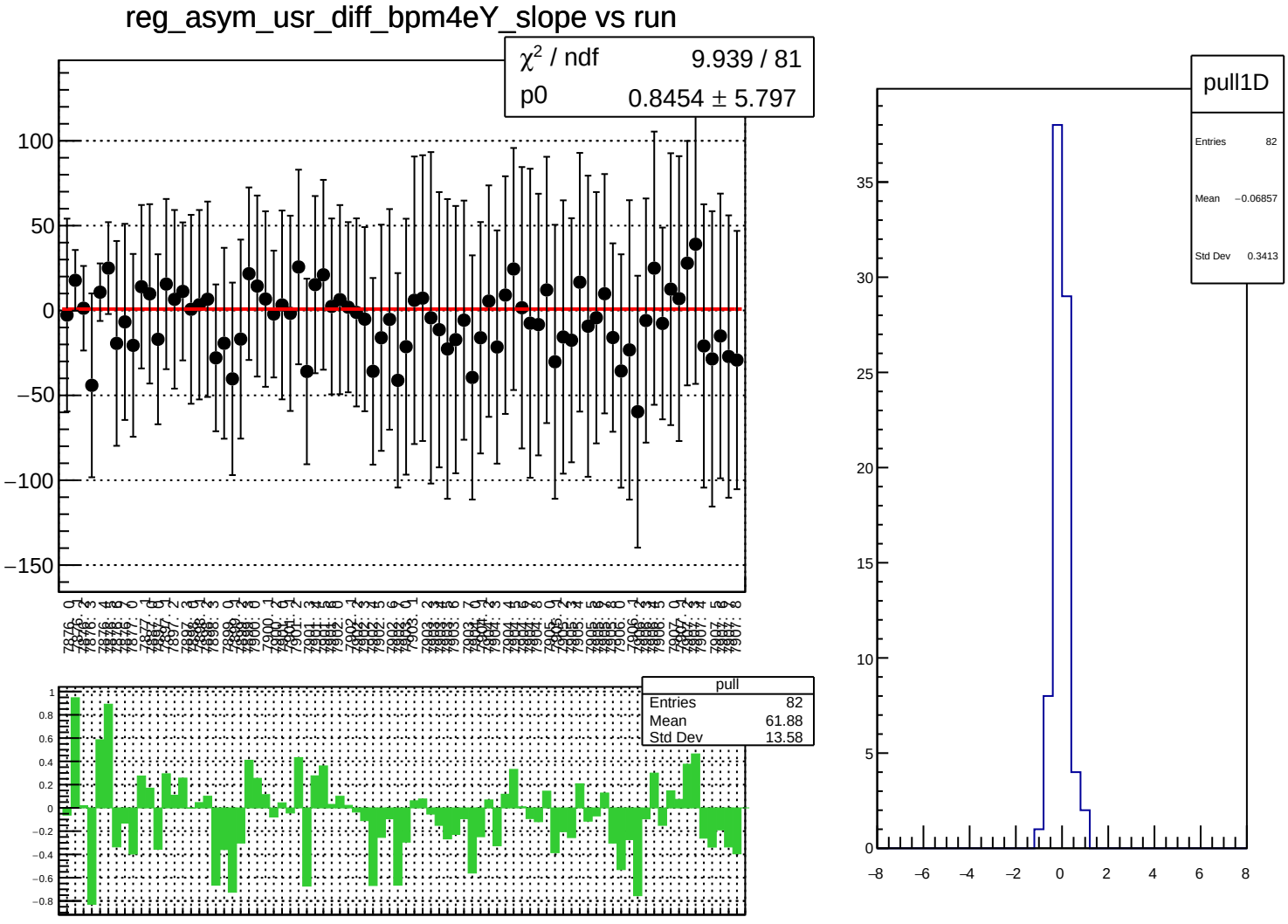

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 116.6 / 81
p0 −77.46 ± 4.185
pull
Entries 82
Mean 46.01
Std Dev 15.71

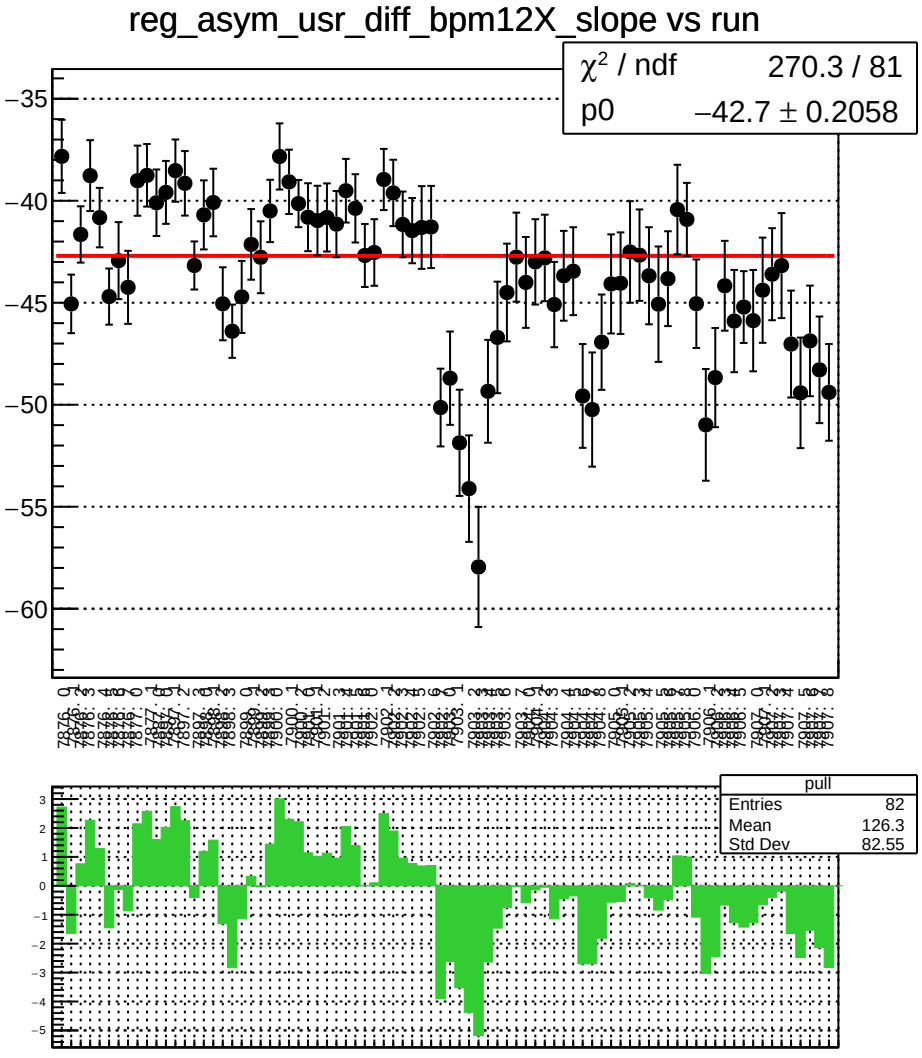

pull1D
Entries 82
Mean 0.5772
Std Dev 1.043

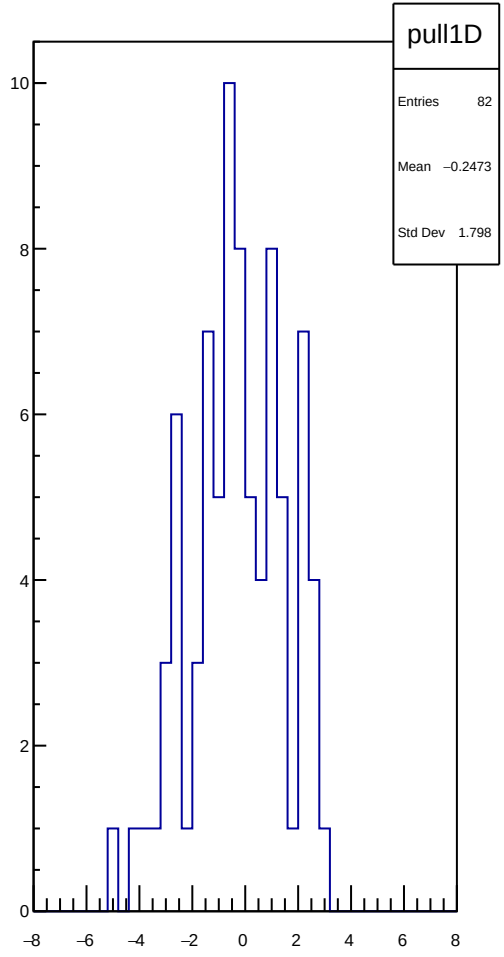

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 15.35 / 81
p0 14.64 ± 4.52
pull
Entries 82
Mean 61.59
Std Dev 10.55
pull1D
Entries 82
Mean 0.1544
Std Dev 0.4042

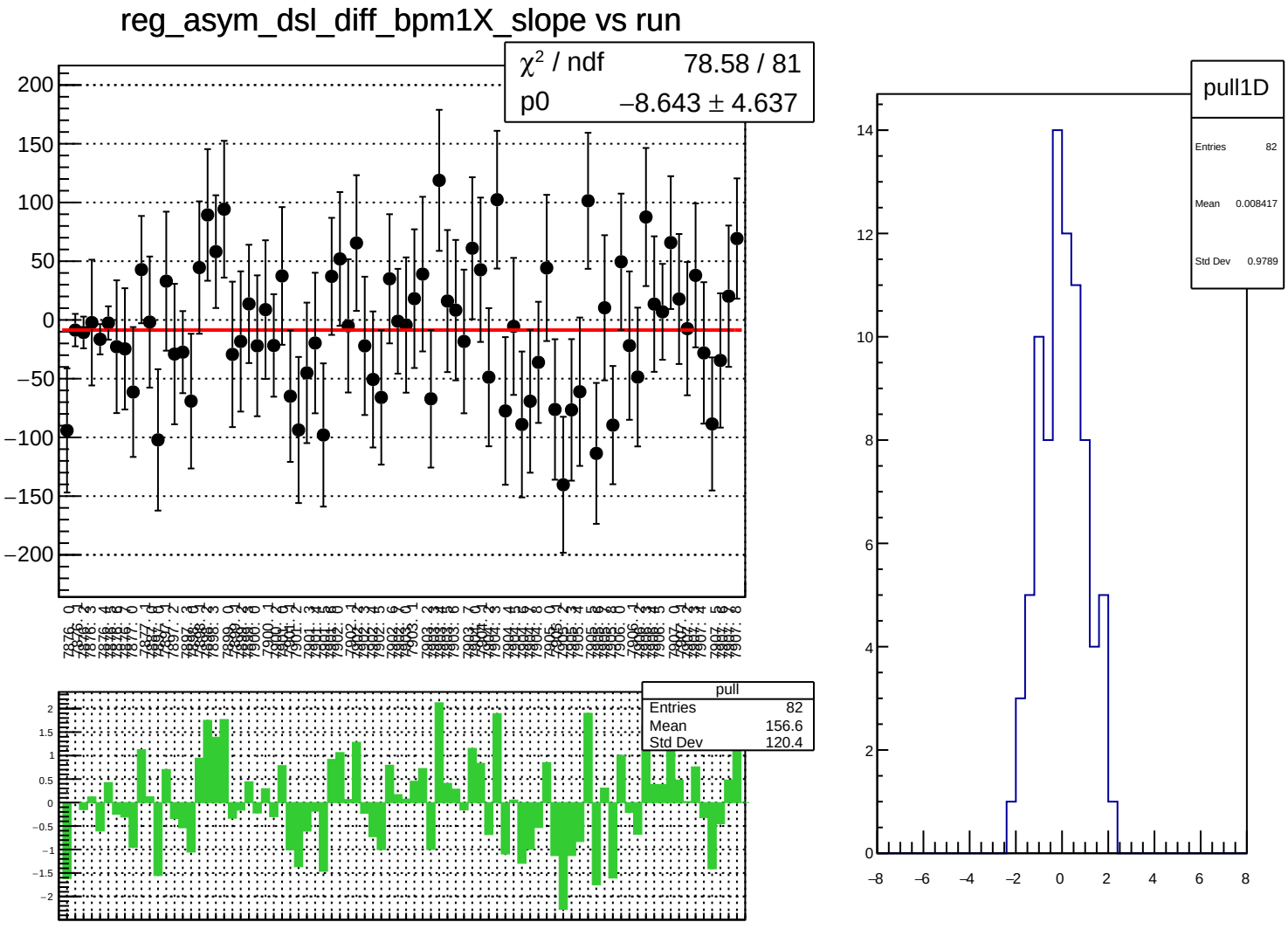

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 151.7 / 81
p0 137.3 ± 3.339
250
200
150
100
50
pull
Entries 82
Mean 45.75
Std Dev 16.31
5
4
3
2
1
0
−1
−2
−3

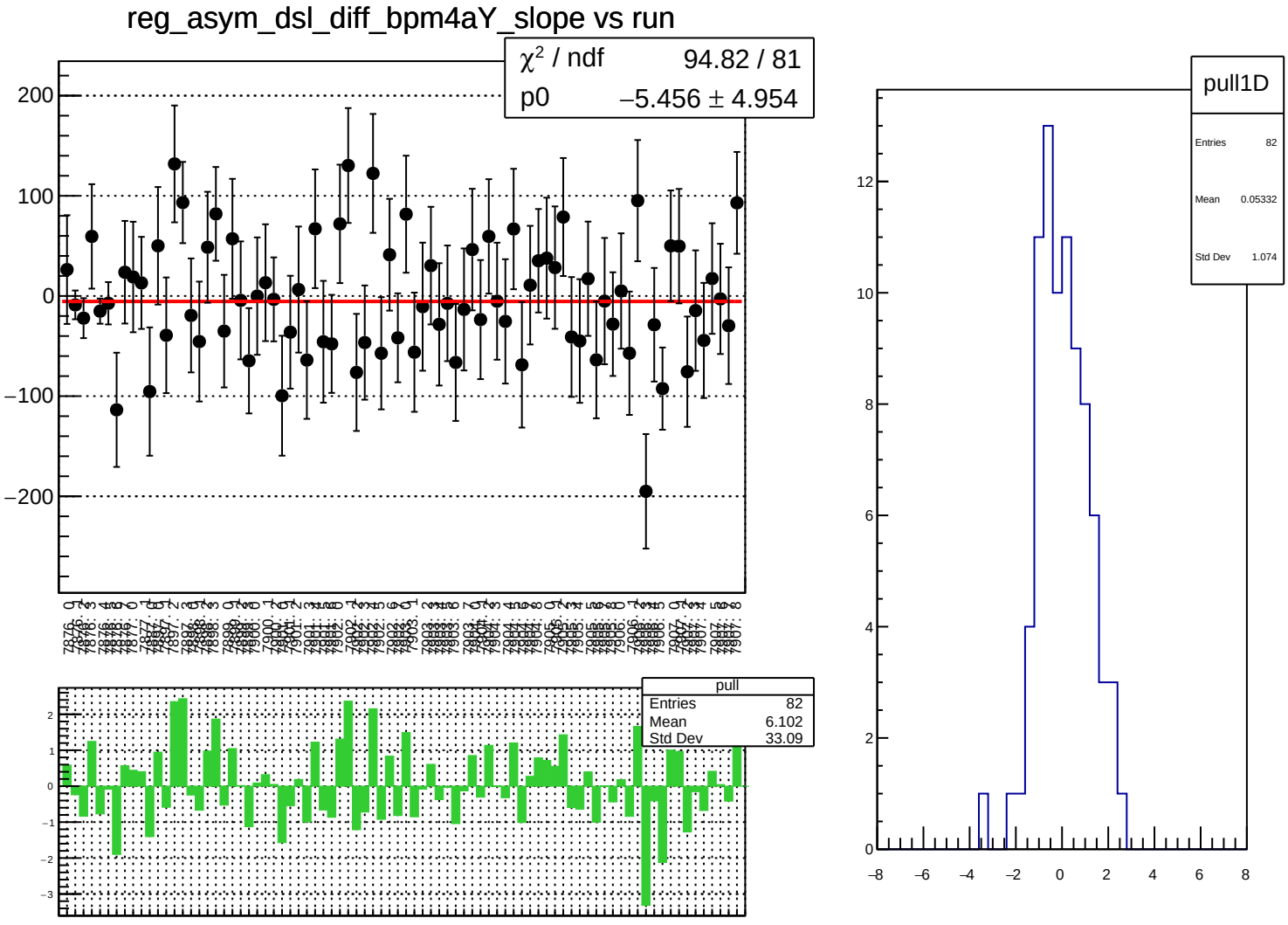

pull1D
Entries 82
Mean −0.7233
Std Dev 1.152
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

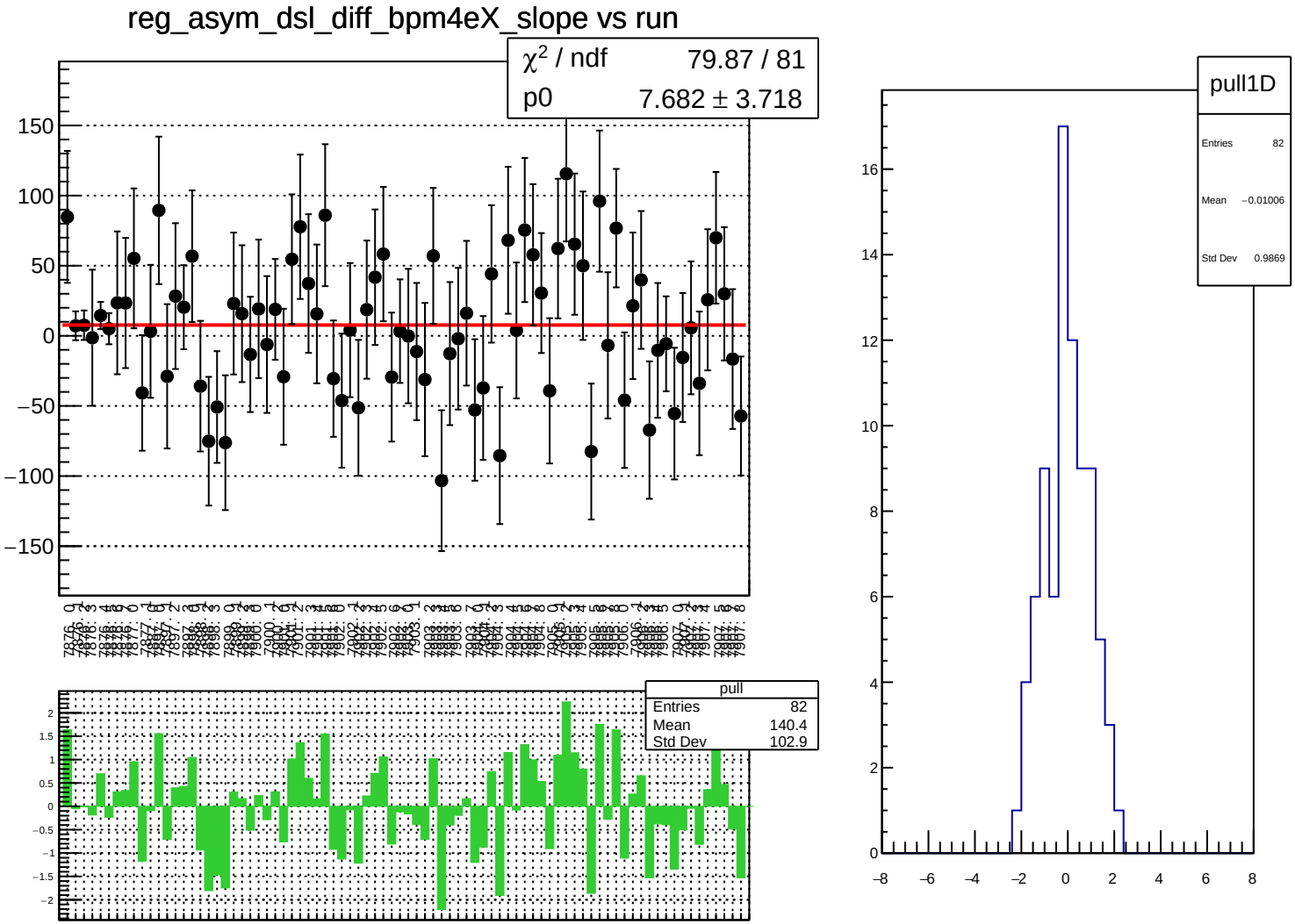

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 9.939 / 81
p0 0.8454 ± 5.797
pull
Entries 82
Mean 61.88
Std Dev 13.58
pull1D
Entries 82
Mean −0.06857
Std Dev 0.3413

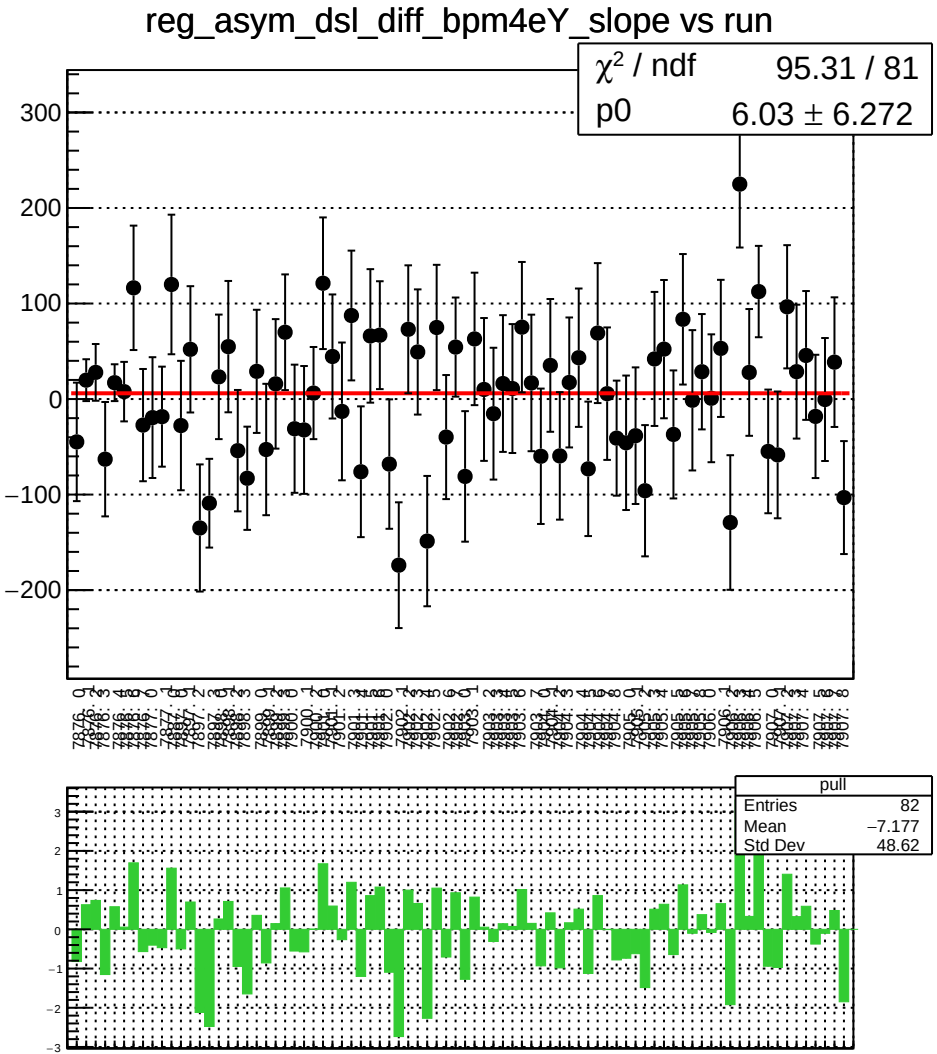

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 270.3 / 81
p0 −42.7 ± 0.2058
pull
Entries 82
Mean 126.3
Std Dev 82.55

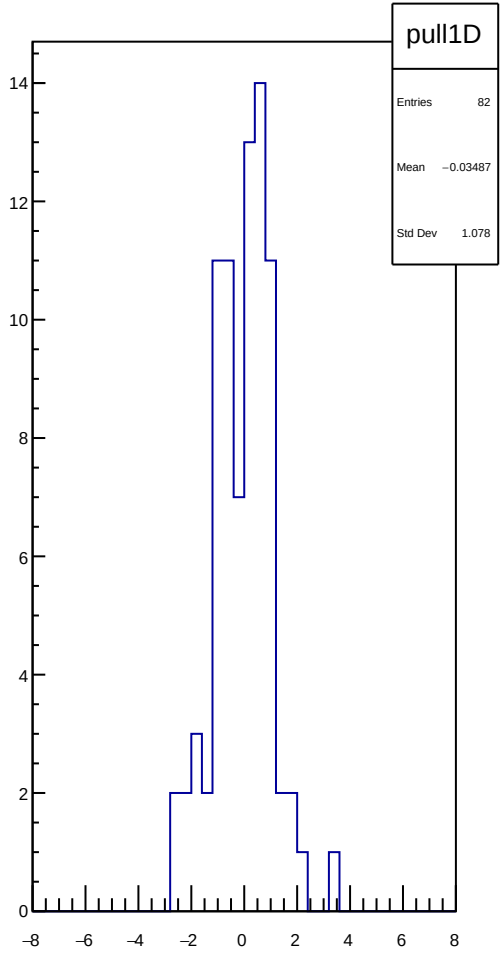

pull1D
Entries 82
Mean −0.2473
Std Dev 1.798

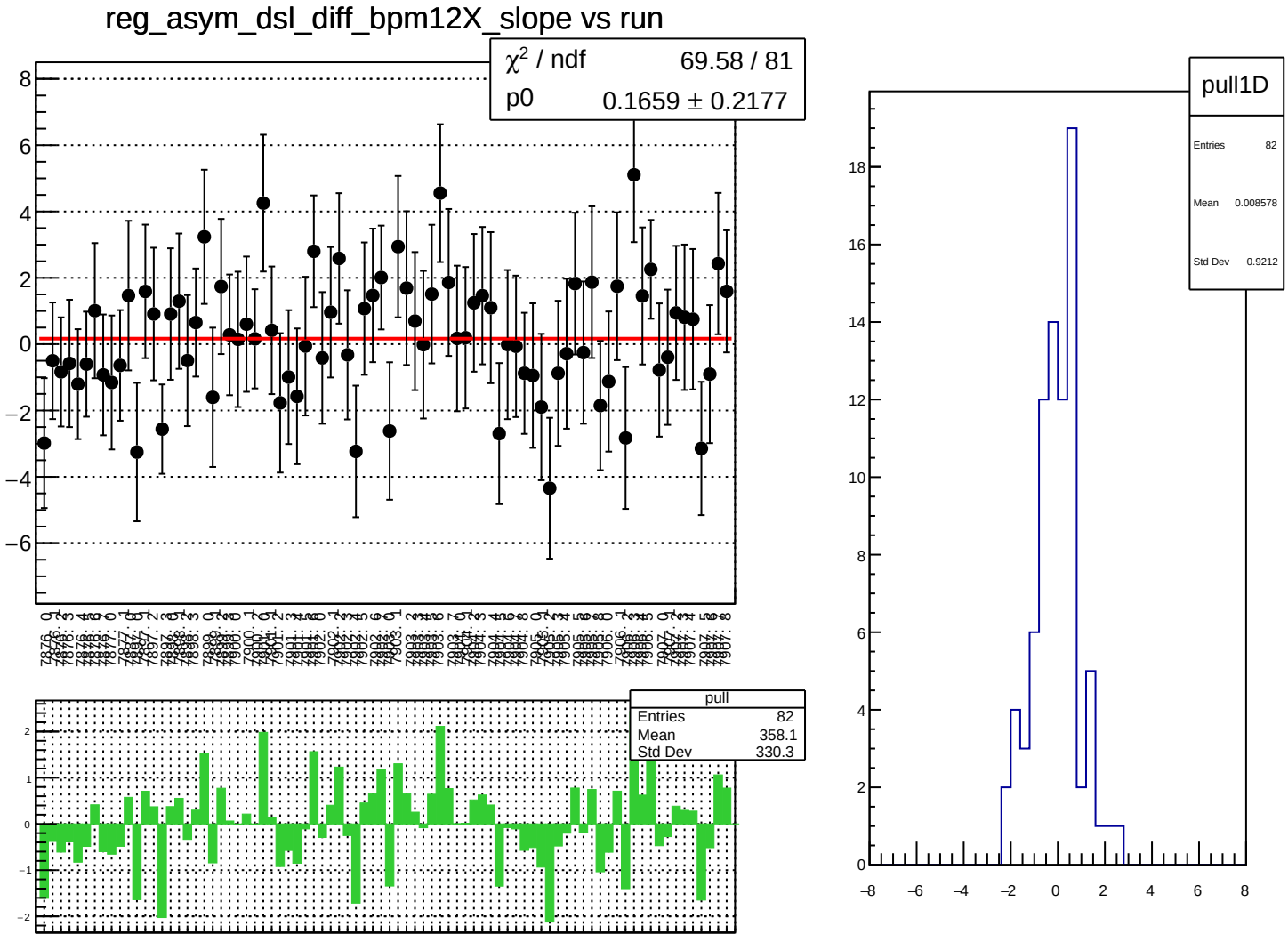

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 78.58 / 81
p0 −8.643 ± 4.637
pull
Entries 82
Mean 156.6
Std Dev 120.4
pull1D
Entries 82
Mean 0.008417
Std Dev 0.9789

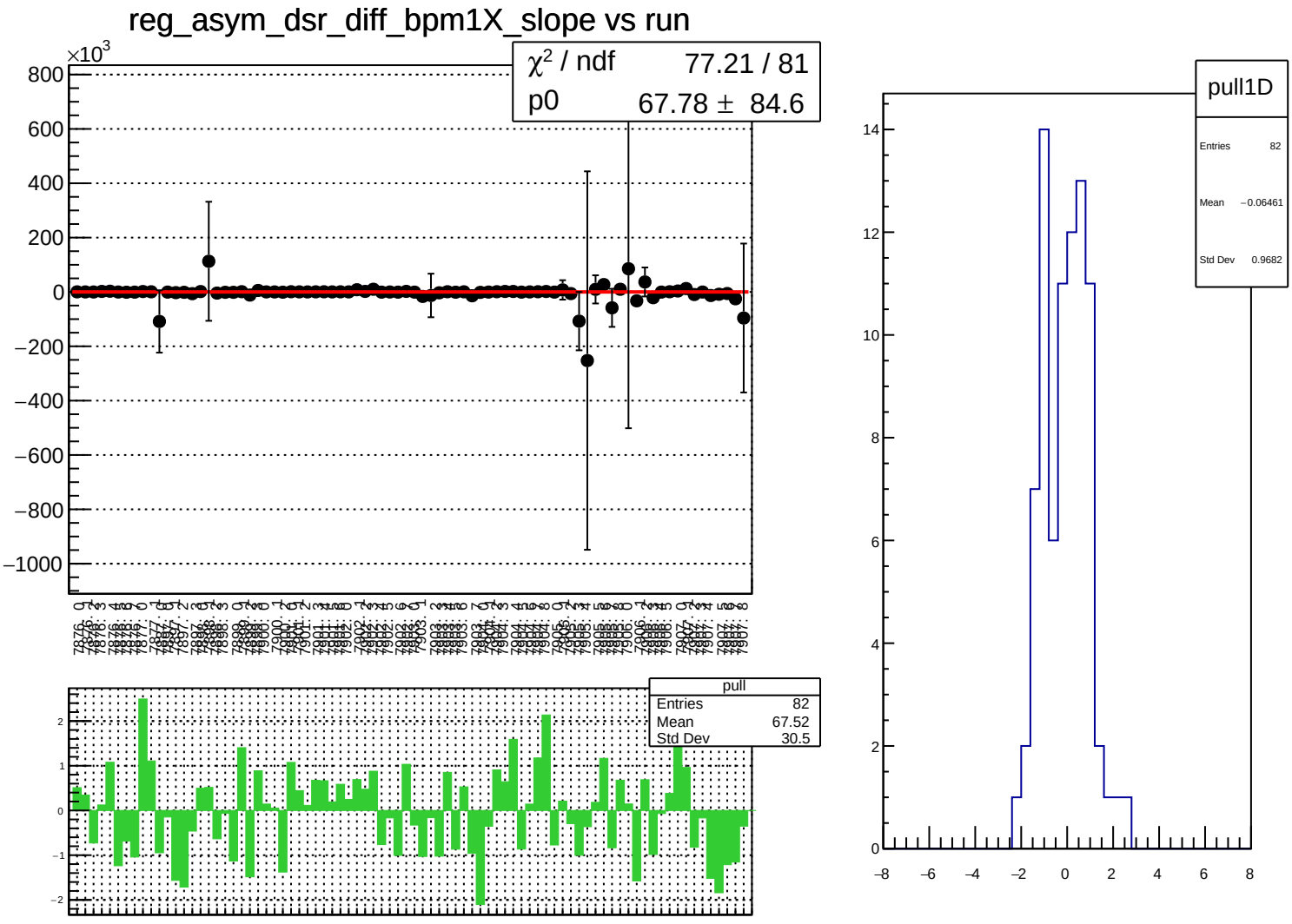

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 94.82 / 81
p0 −5.456 ± 4.954
pull
Entries 82
Mean 6.102
Std Dev 33.09
pull1D
Entries 82
Mean 0.05332
Std Dev 1.074

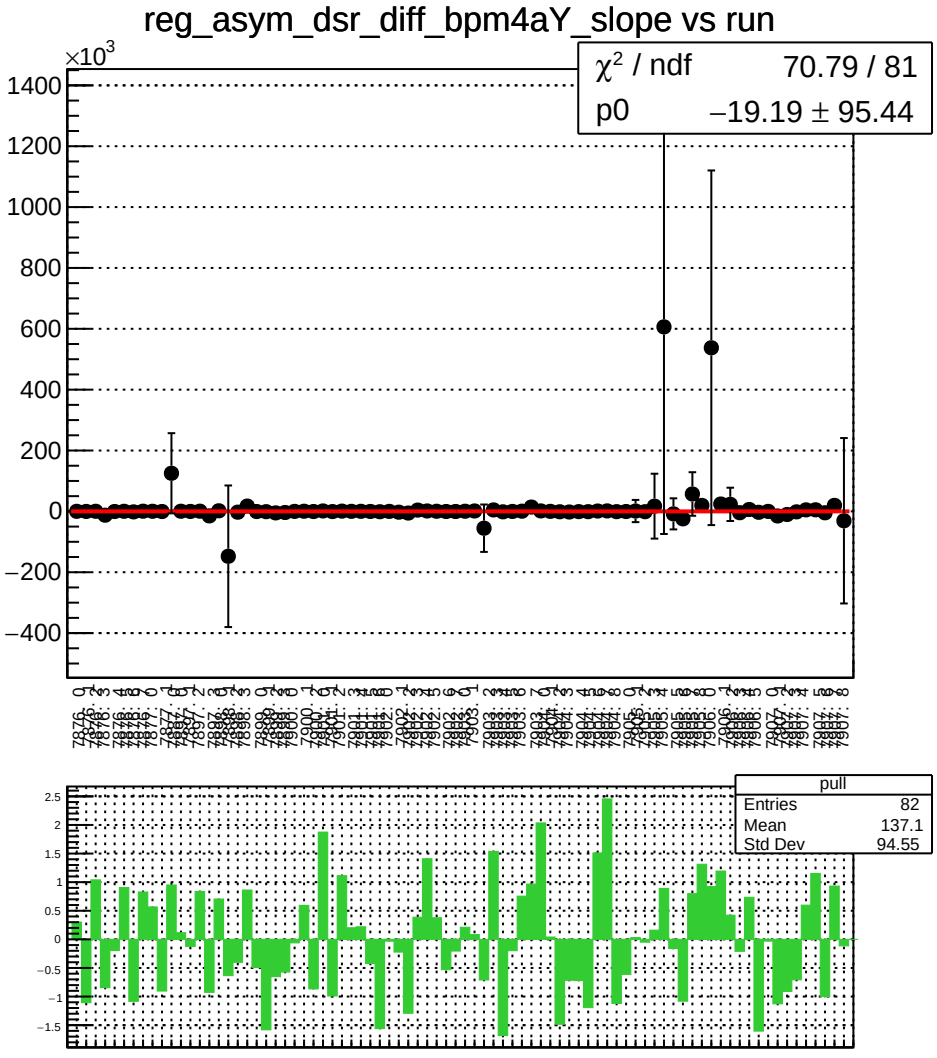

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 79.87 / 81
p0 7.682 ± 3.718
pull
Entries 82
Mean 140.4
Std Dev 102.9
pull1D
Entries 82
Mean −0.01006
Std Dev 0.9869

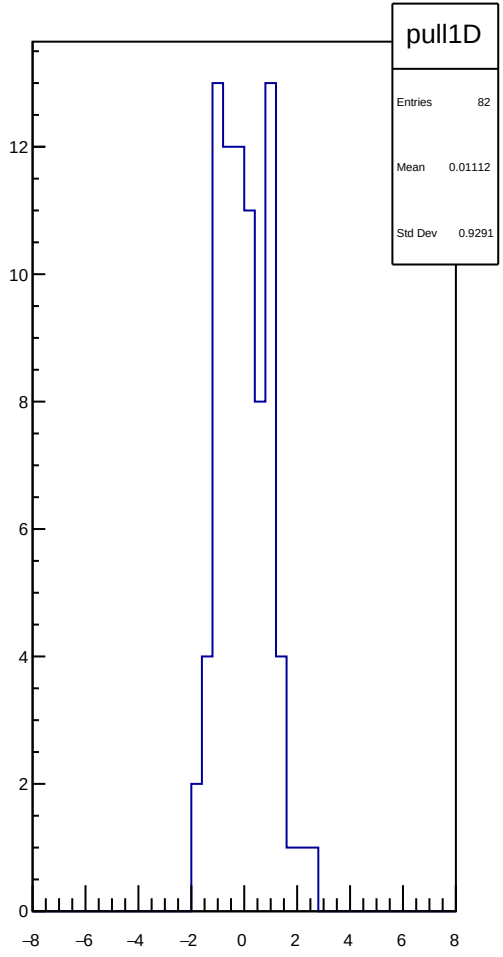

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 95.31 / 81
p0 6.03 ± 6.272
pull
Entries 82
Mean −7.177
Std Dev 48.62

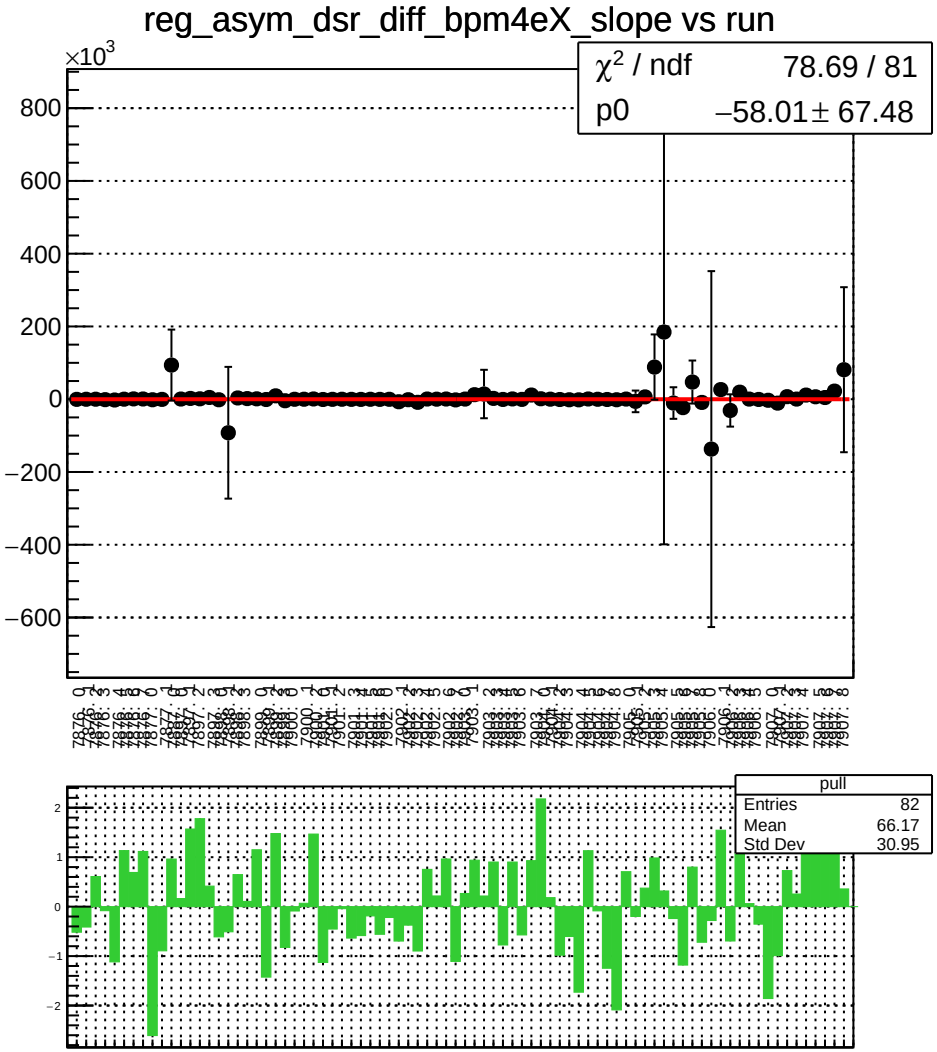

pull1D
Entries 82
Mean −0.03487
Std Dev 1.078

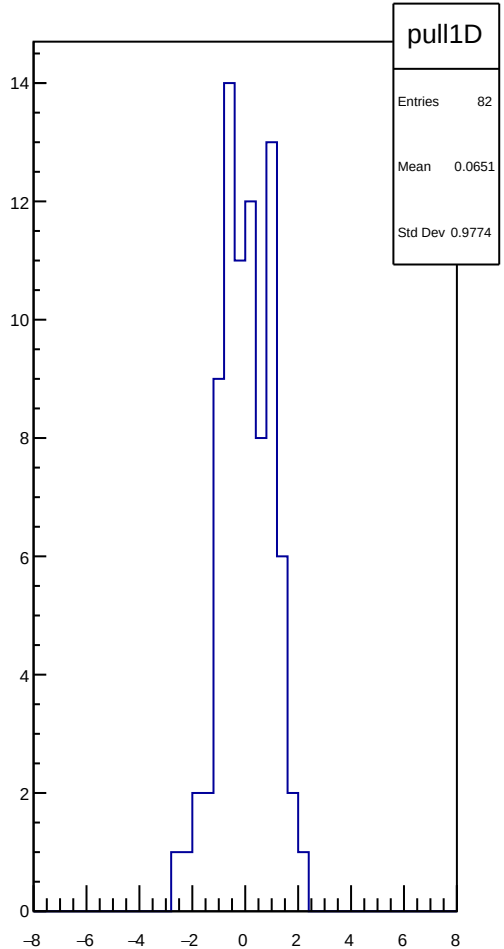

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 69.58 / 81
p0 0.1659 ± 0.2177
pull
Entries 82
Mean 358.1
Std Dev 330.3
pull1D
Entries 82
Mean 0.008578
Std Dev 0.9212

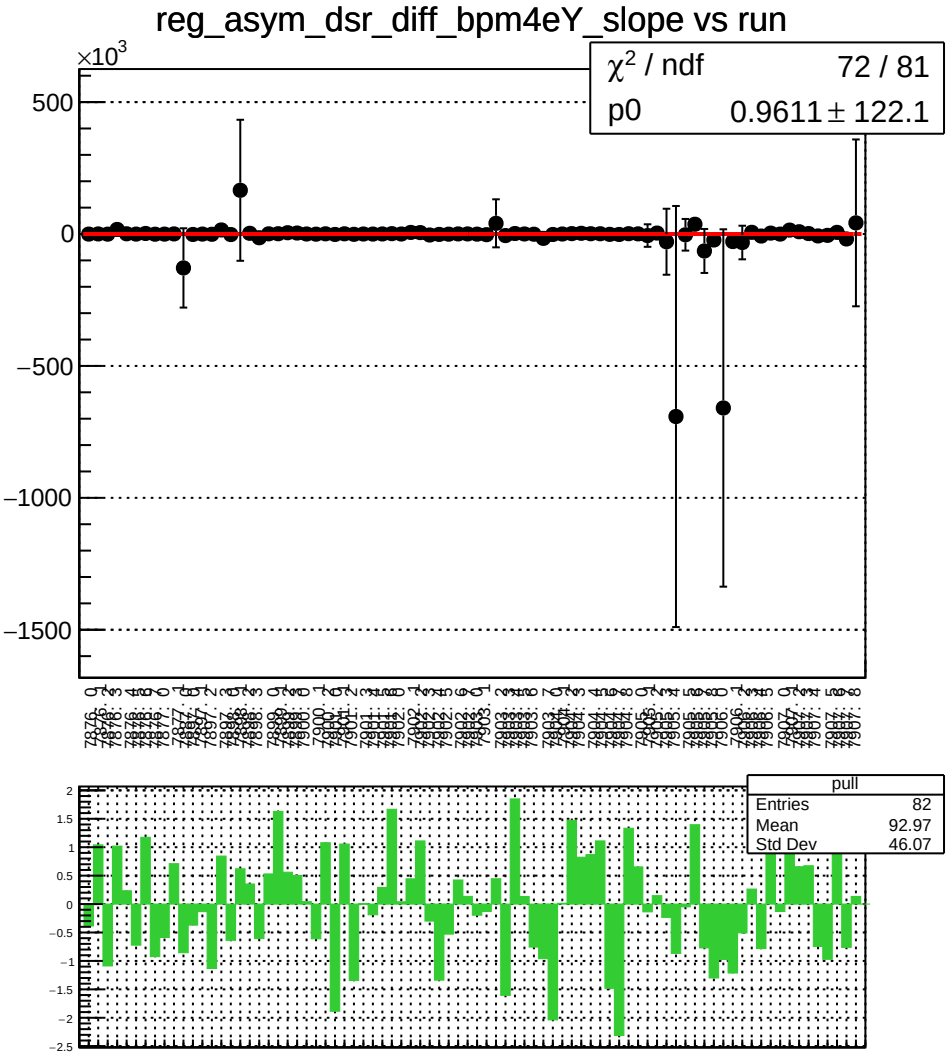

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
800
600
400
200
0
−200
−400
−600
−800
−1000
χ² / ndf 77.21 / 81
p0 67.78 ± 84.6
pull
Entries 82
Mean 67.52
Std Dev 30.5
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.06461
Std Dev 0.9682
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

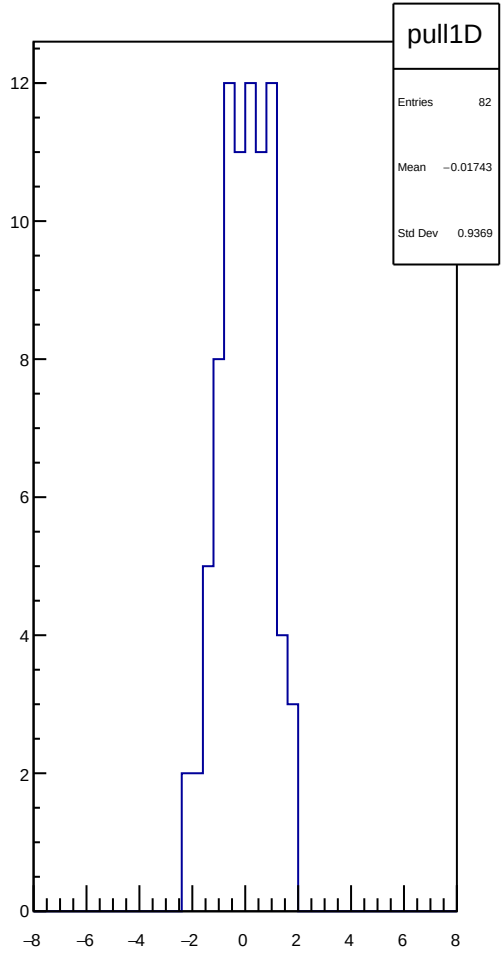

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 70.79 / 81
p0 −19.19 ± 95.44
pull
Entries 82
Mean 137.1
Std Dev 94.55

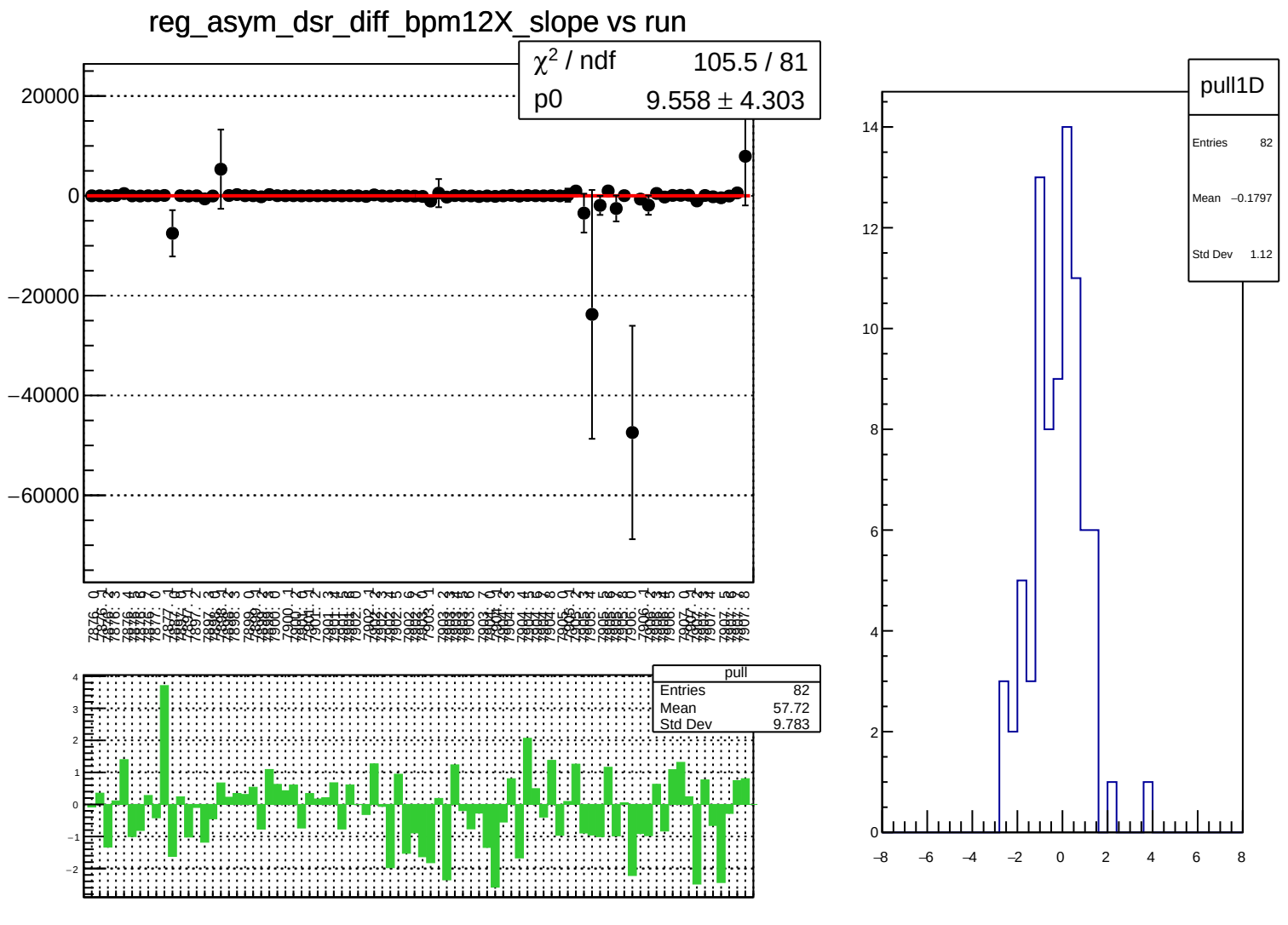

pull1D
Entries 82
Mean 0.01112
Std Dev 0.9291

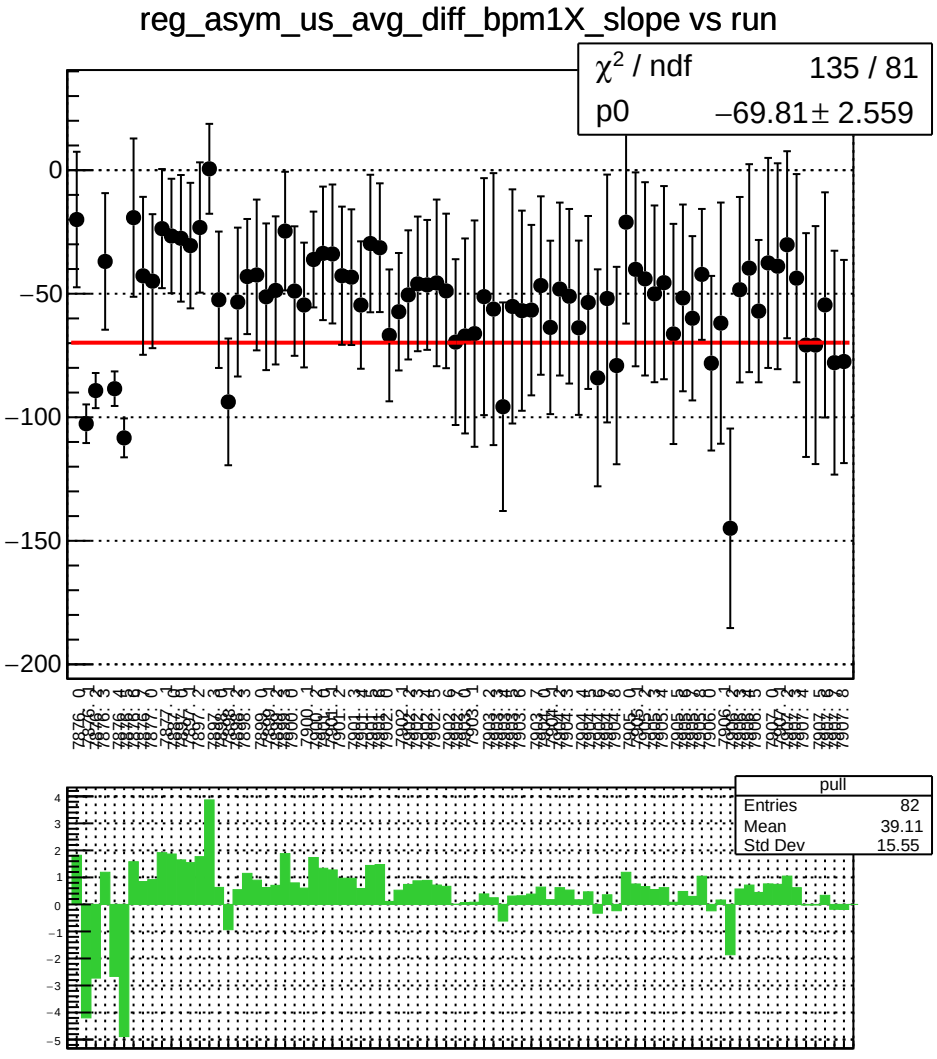

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
800
600
400
200
0
−200
−400
−600
χ² / ndf 78.69 / 81
p0 −58.01 ± 67.48
pull
Entries 82
Mean 66.17
Std Dev 30.95
2
1
0
−1
−2

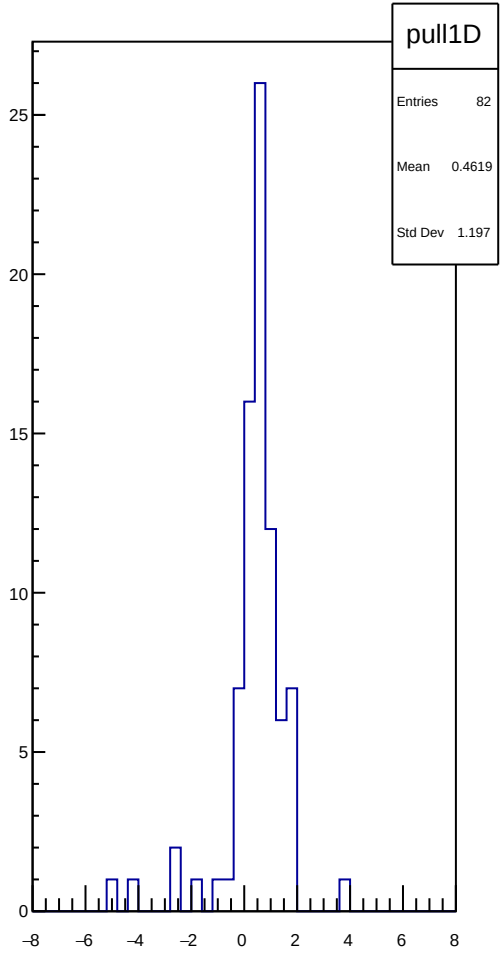

pull1D
Entries 82
Mean 0.0651
Std Dev 0.9774
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

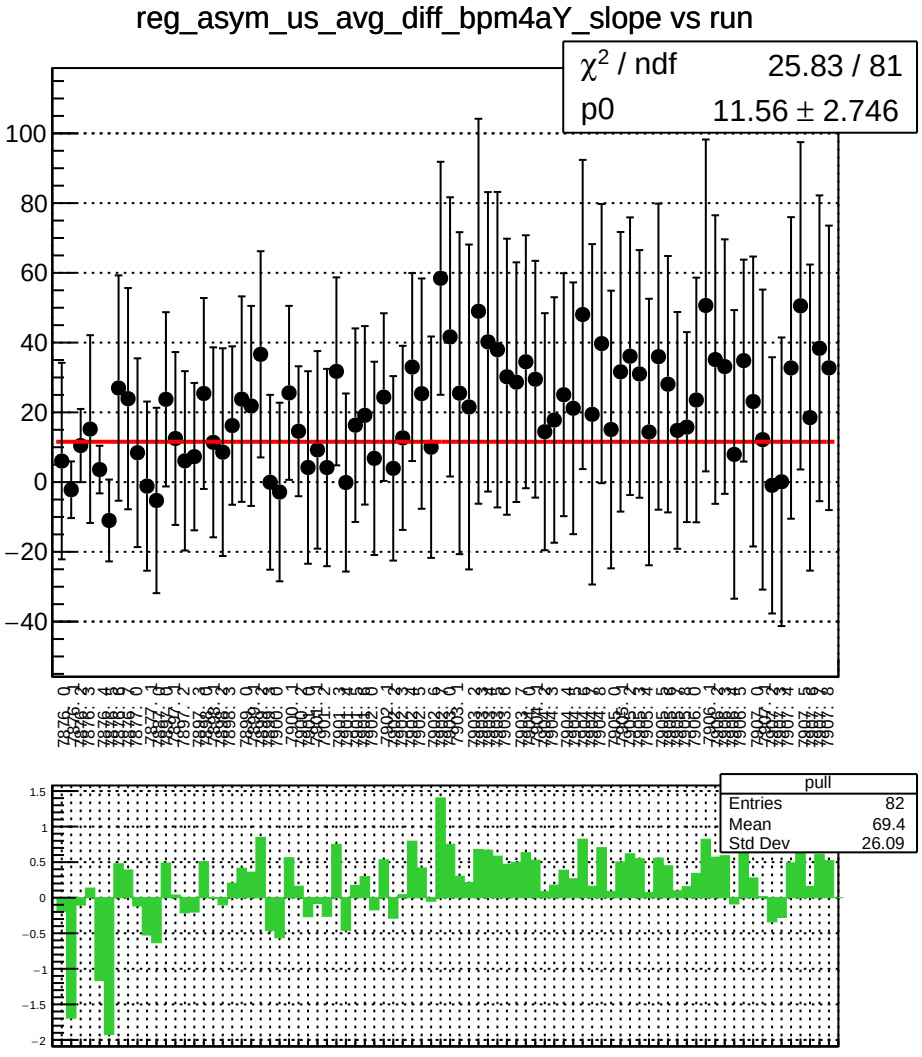

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 72 / 81
p0 0.9611 ± 122.1
500
0
−500
−1000
−1500
pull
Entries 82
Mean 92.97
Std Dev 46.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

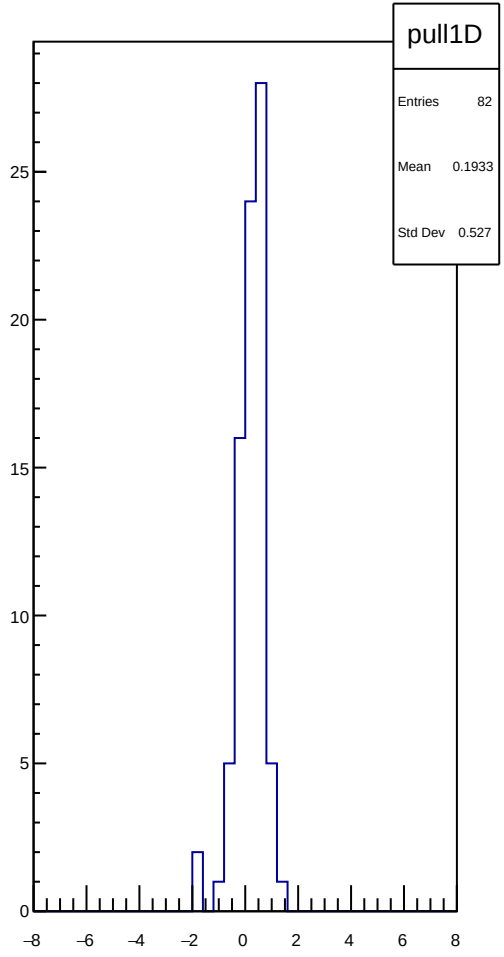

pull1D
Entries 82
Mean −0.01743
Std Dev 0.9369
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

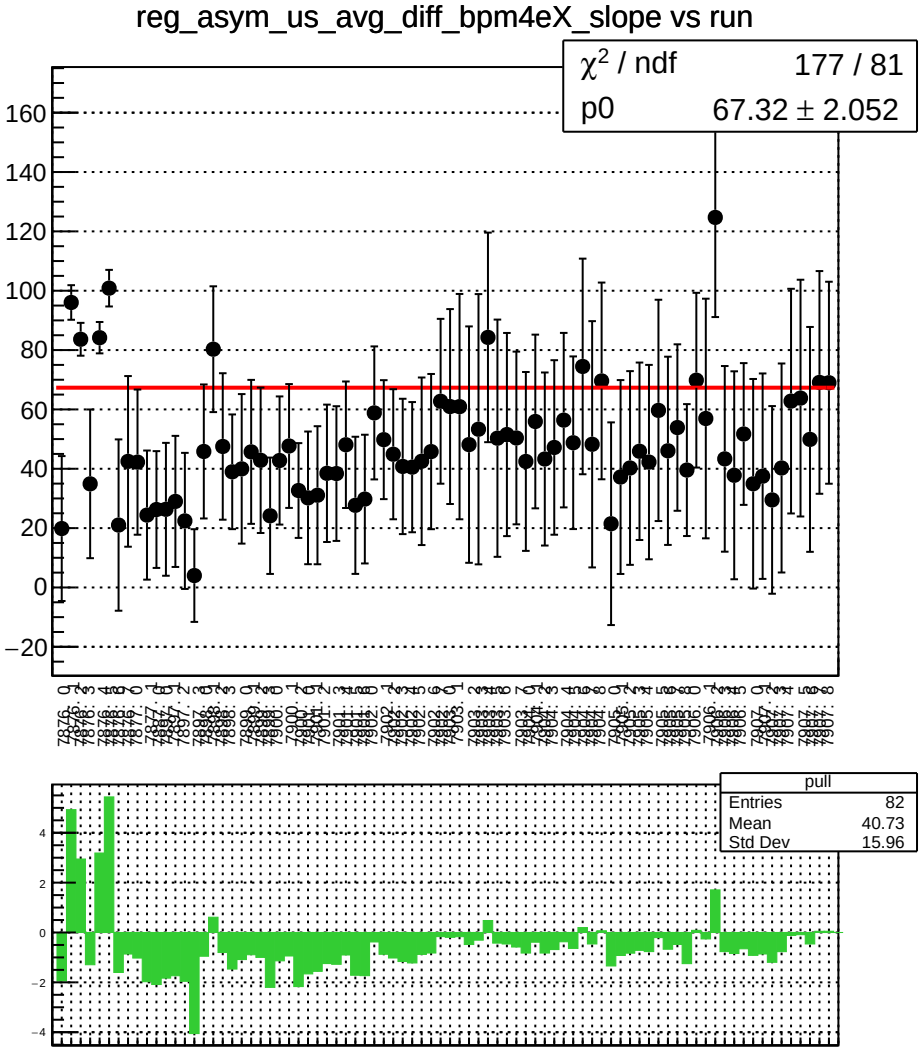

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 105.5 / 81
p0 9.558 ± 4.303
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 57.72
Std Dev 9.783
pull1D
Entries 82
Mean −0.1797
Std Dev 1.12

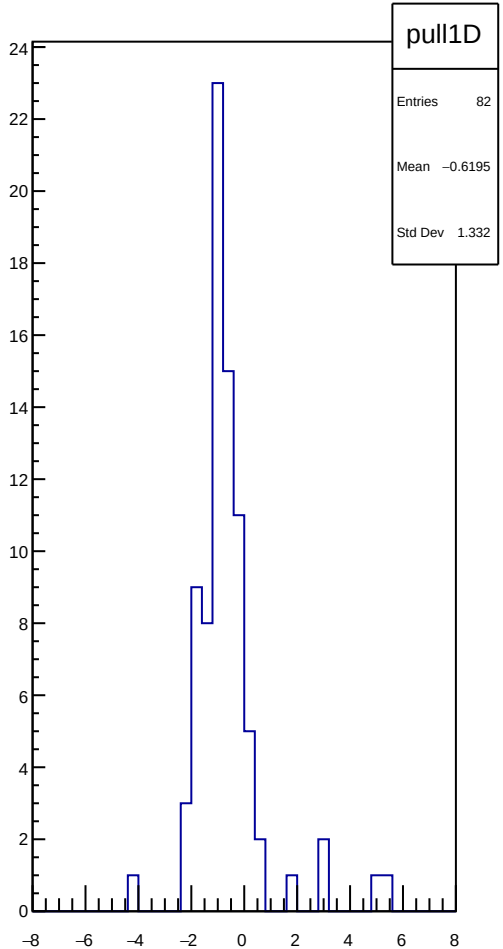

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 135 / 81
p0 −69.81 ± 2.559
pull
Entries 82
Mean 39.11
Std Dev 15.55

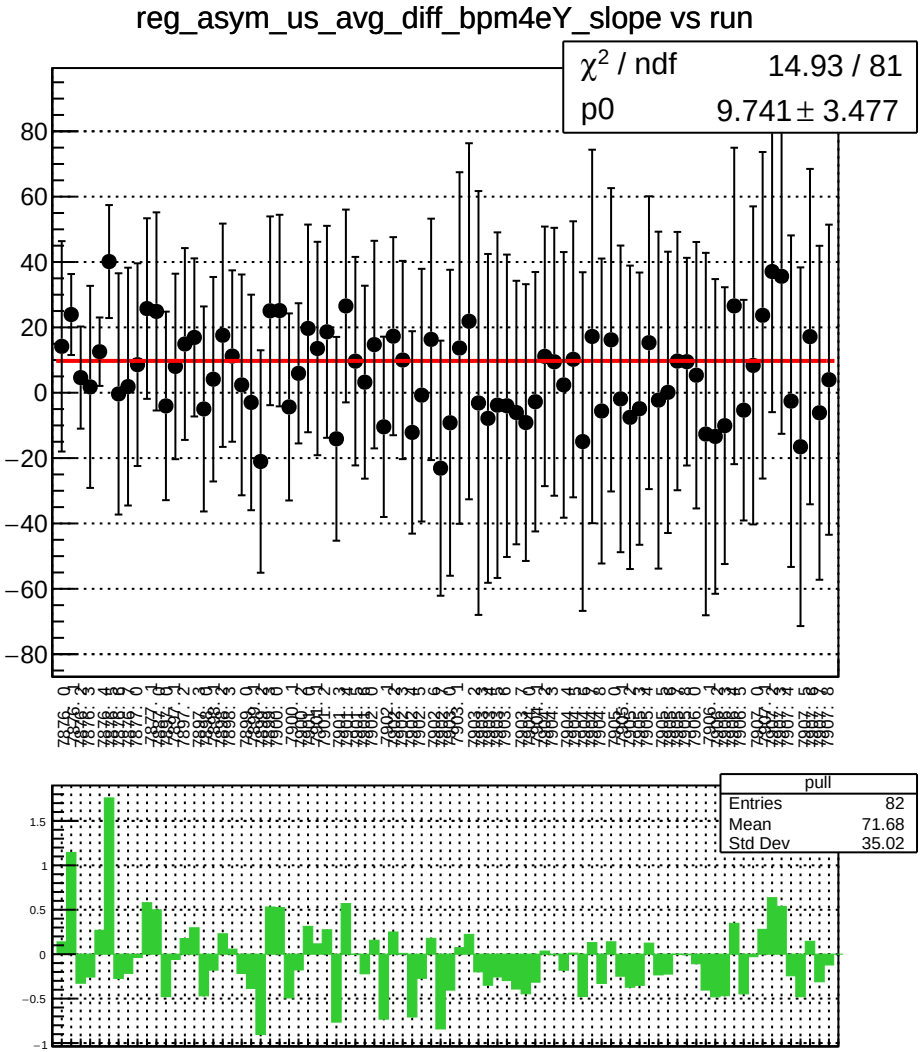

pull1D
Entries 82
Mean 0.4619
Std Dev 1.197

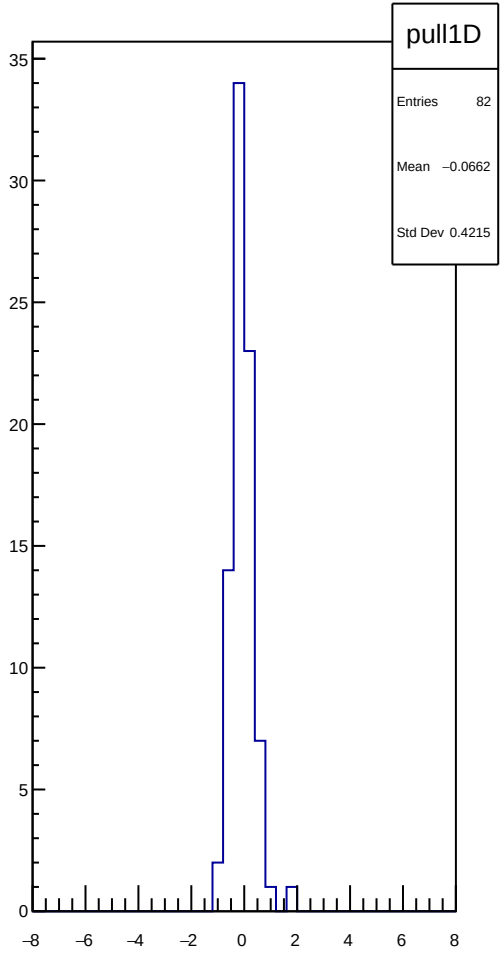

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.83 / 81
p0 11.56 ± 2.746
pull
Entries 82
Mean 69.4
Std Dev 26.09

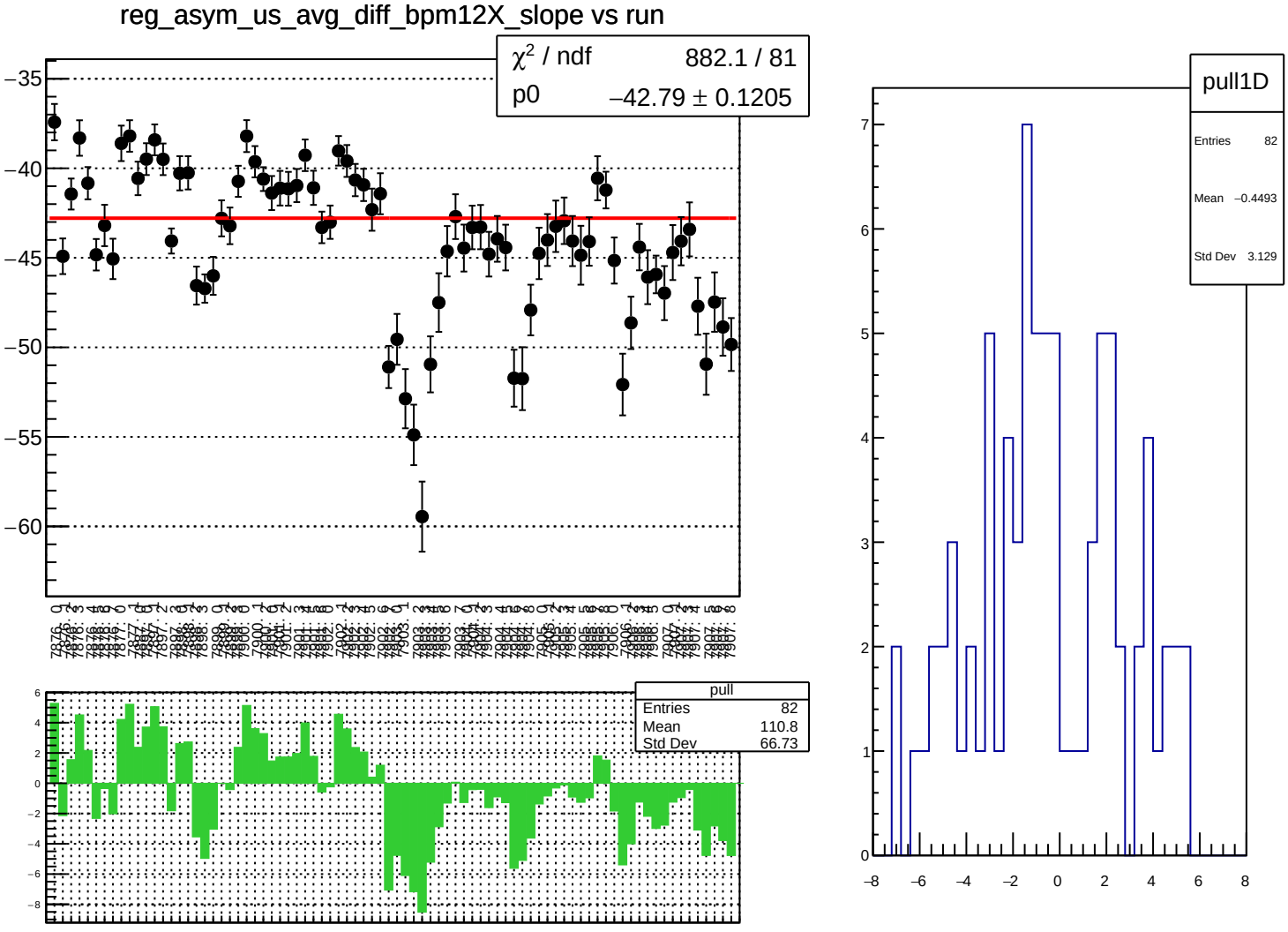

pull1D
Entries 82
Mean 0.1933
Std Dev 0.527

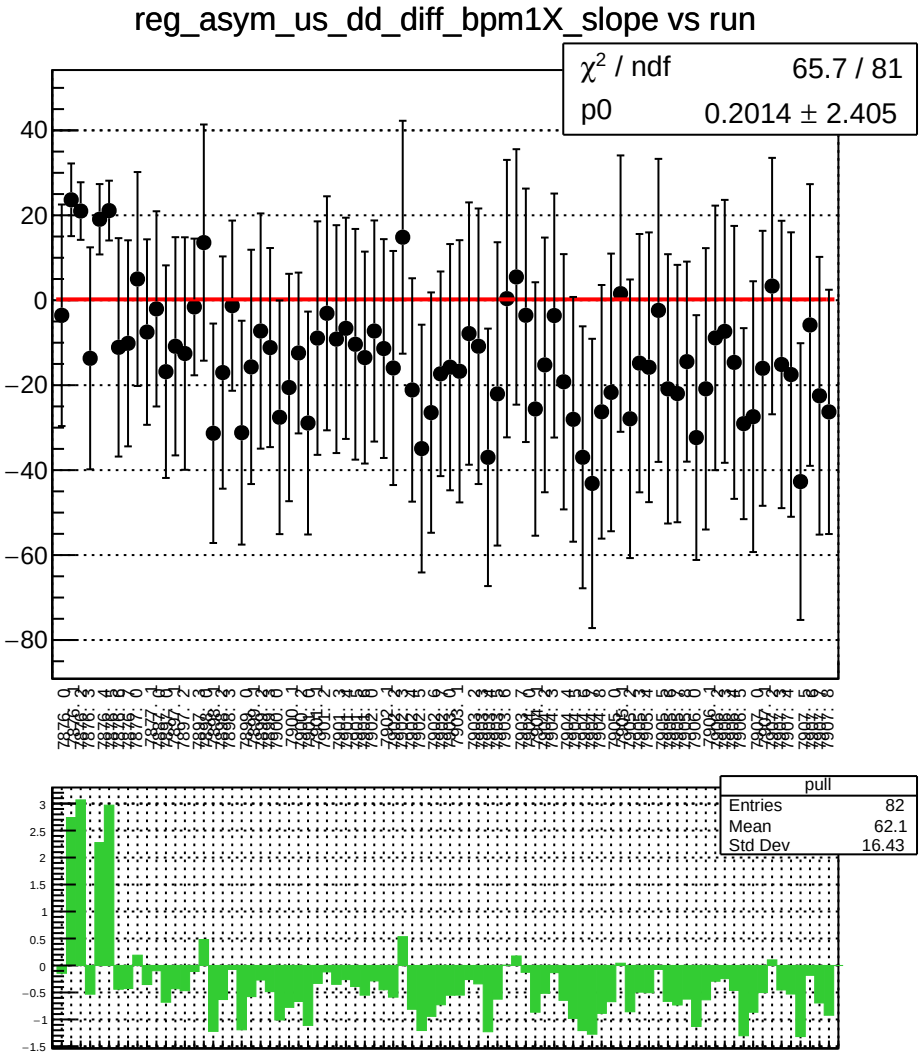

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 177 / 81
p0 67.32 ± 2.052
pull
Entries 82
Mean 40.73
Std Dev 15.96

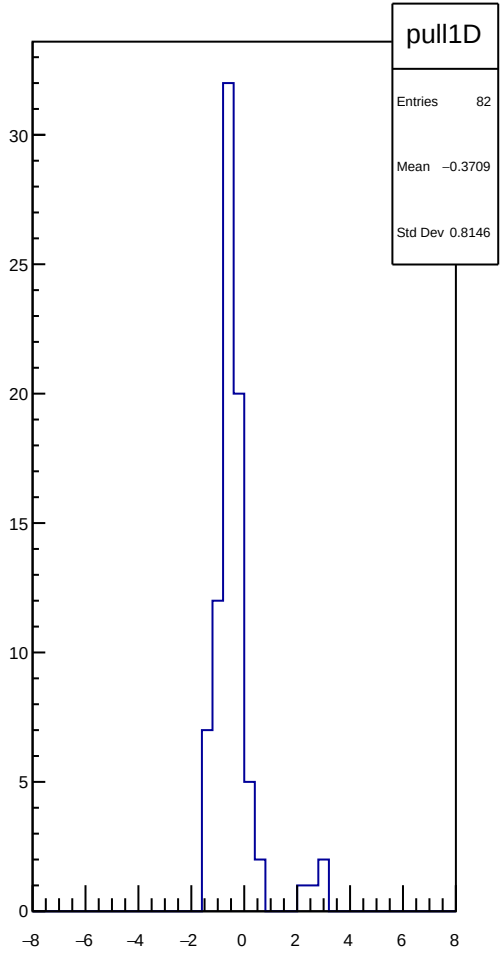

pull1D
Entries 82
Mean −0.6195
Std Dev 1.332

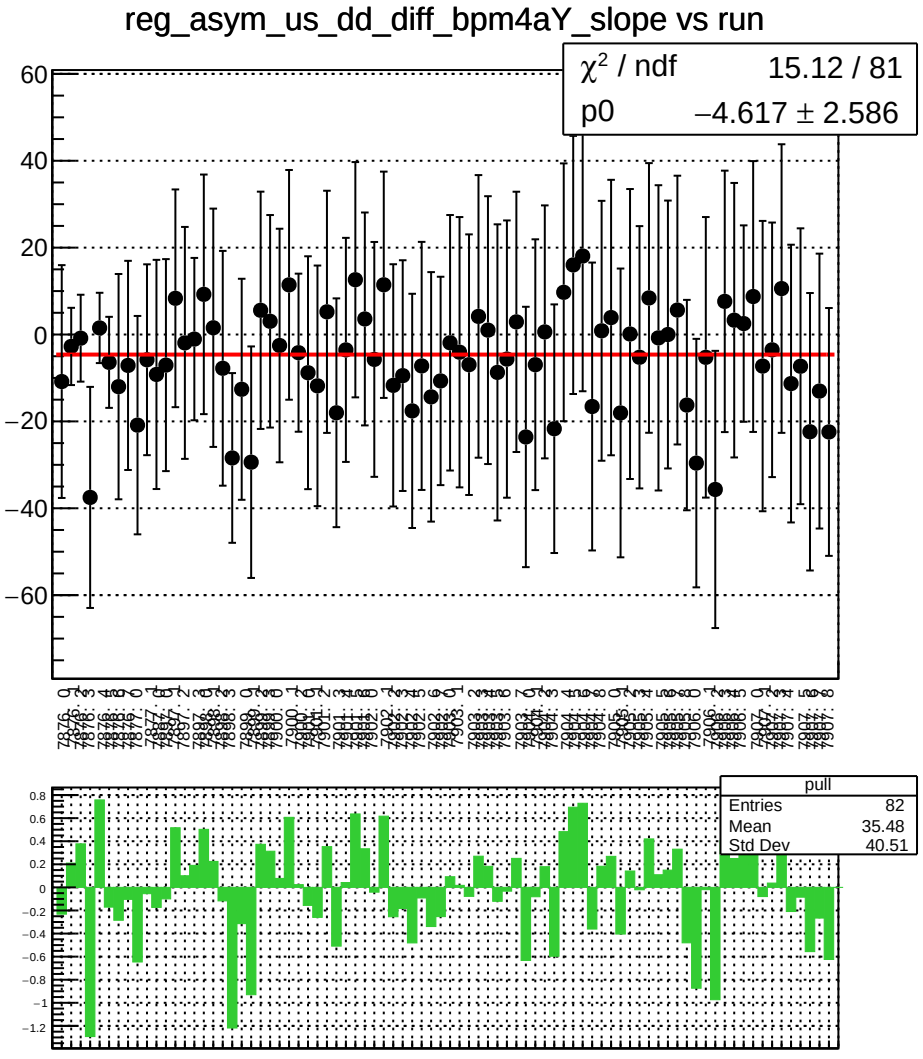

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.93 / 81
p0 9.741 ± 3.477
pull
Entries 82
Mean 71.68
Std Dev 35.02

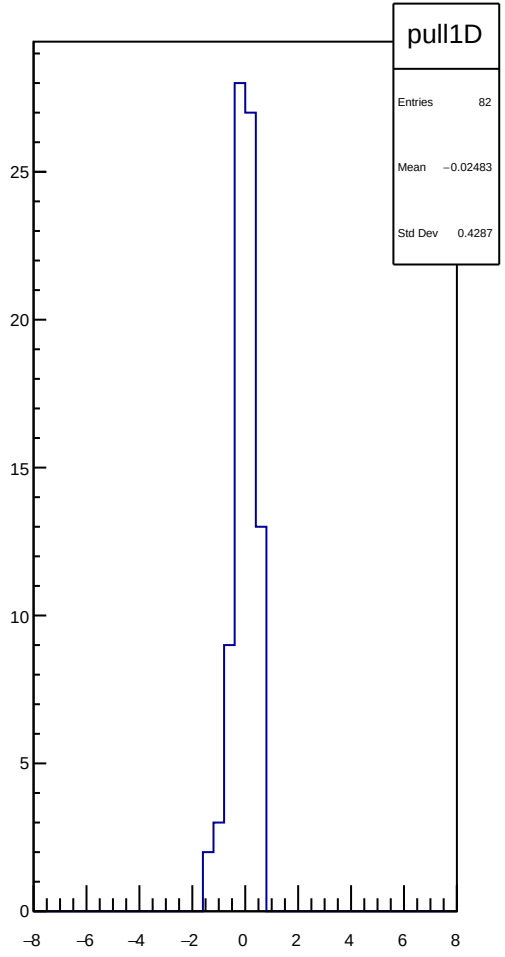

pull1D
Entries 82
Mean −0.0662
Std Dev 0.4215

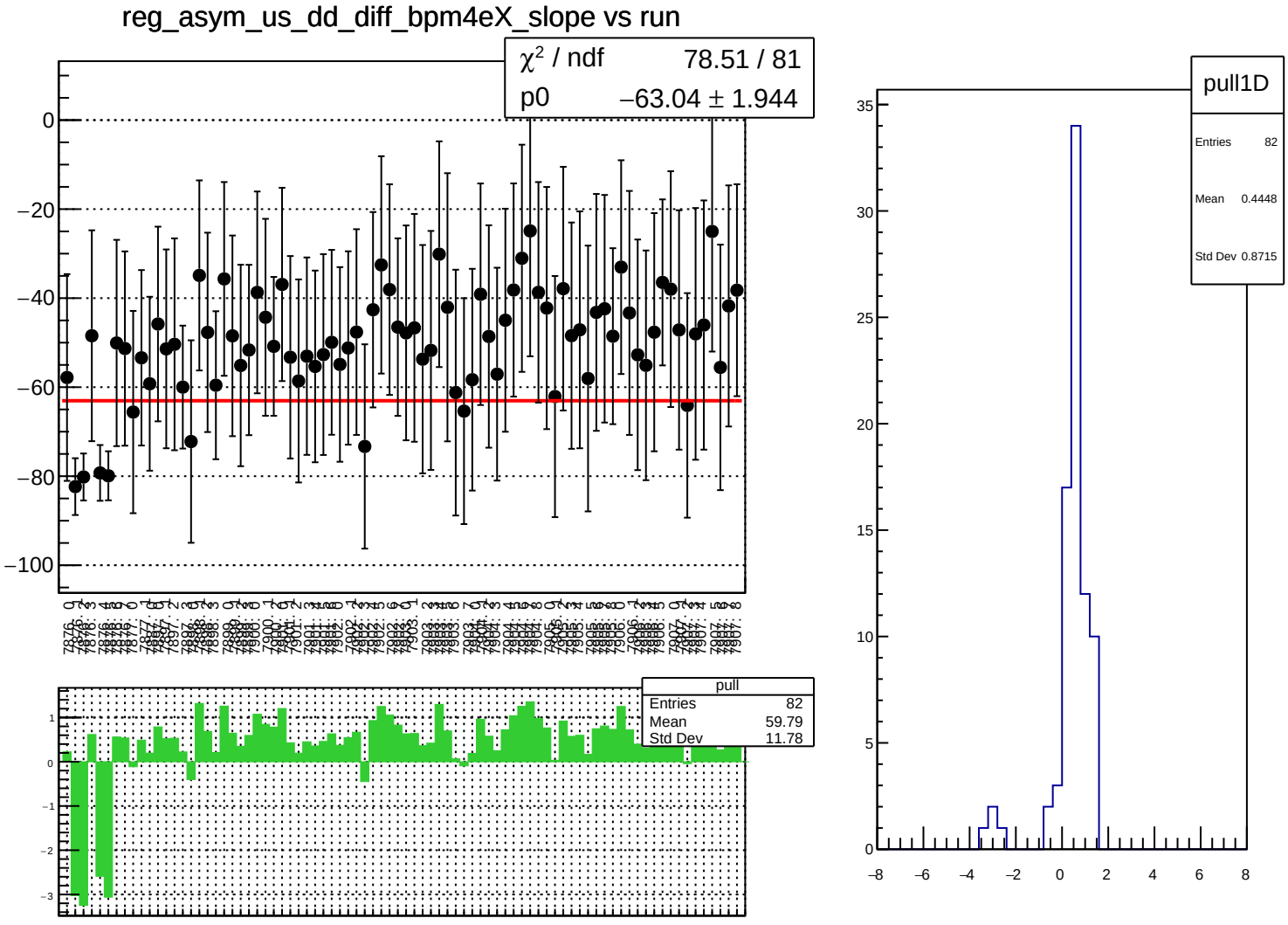

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 882.1 / 81
p0 −42.79 ± 0.1205
pull
Entries 82
Mean 110.8
Std Dev 66.73
pull1D
Entries 82
Mean −0.4493
Std Dev 3.129

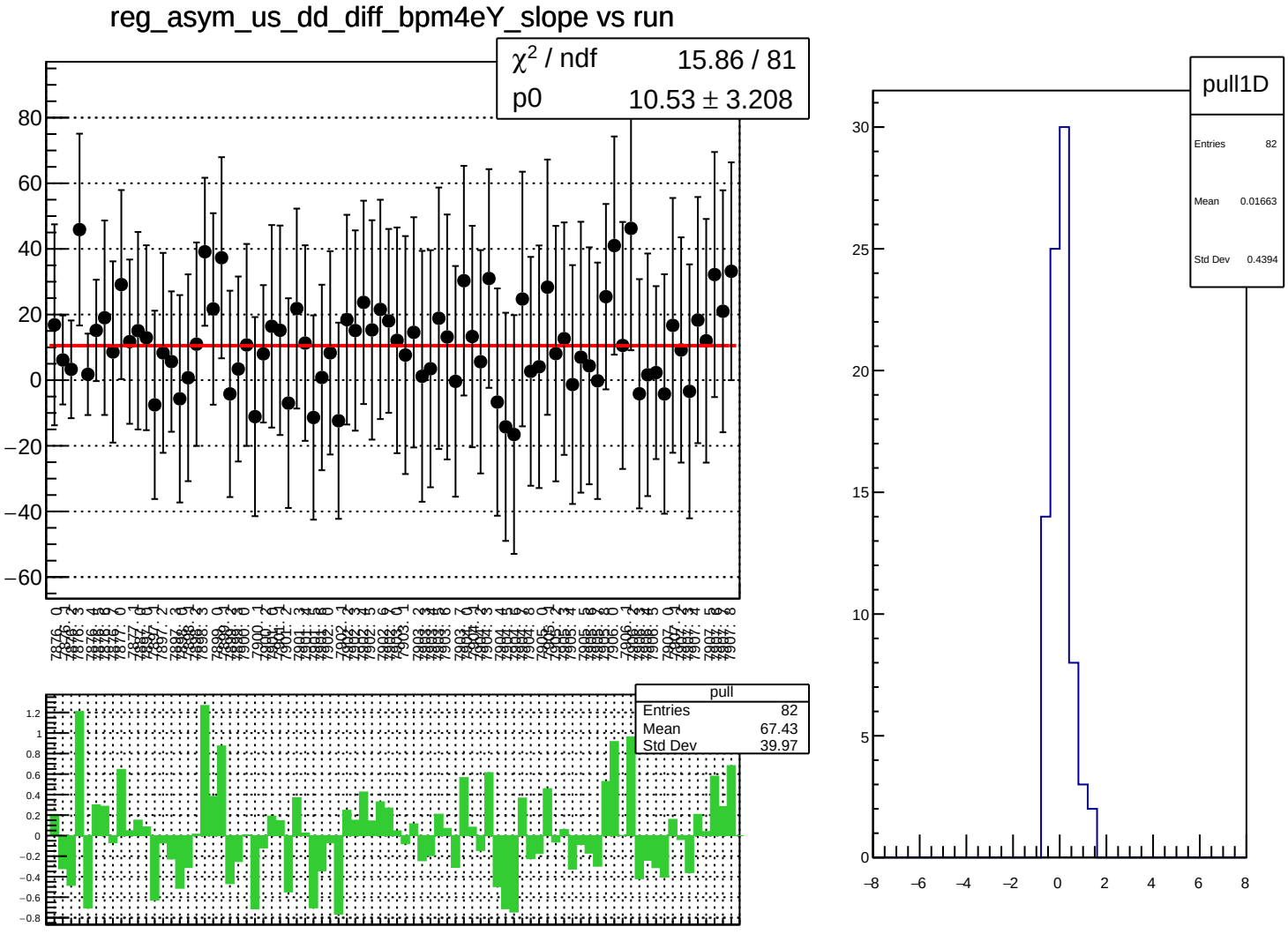

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 65.7 / 81
p0 0.2014 ± 2.405
pull
Entries 82
Mean 62.1
Std Dev 16.43

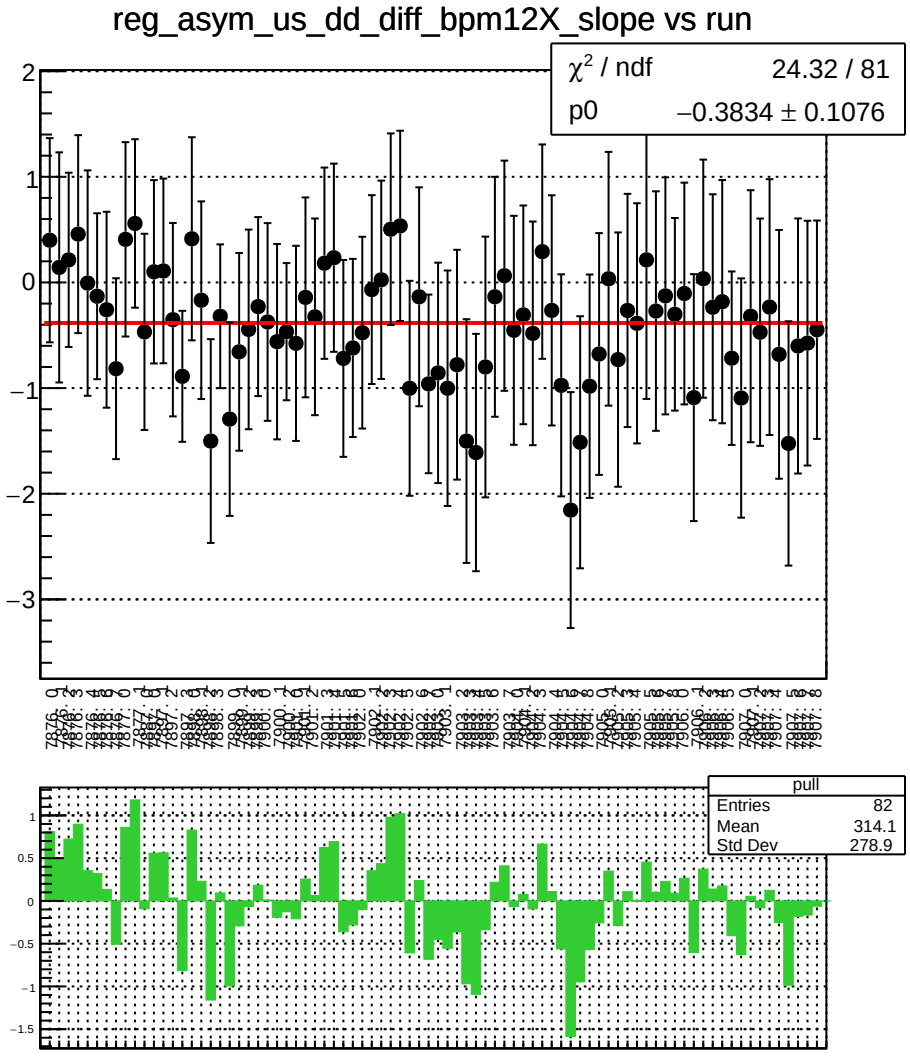

pull1D
Entries 82
Mean −0.3709
Std Dev 0.8146

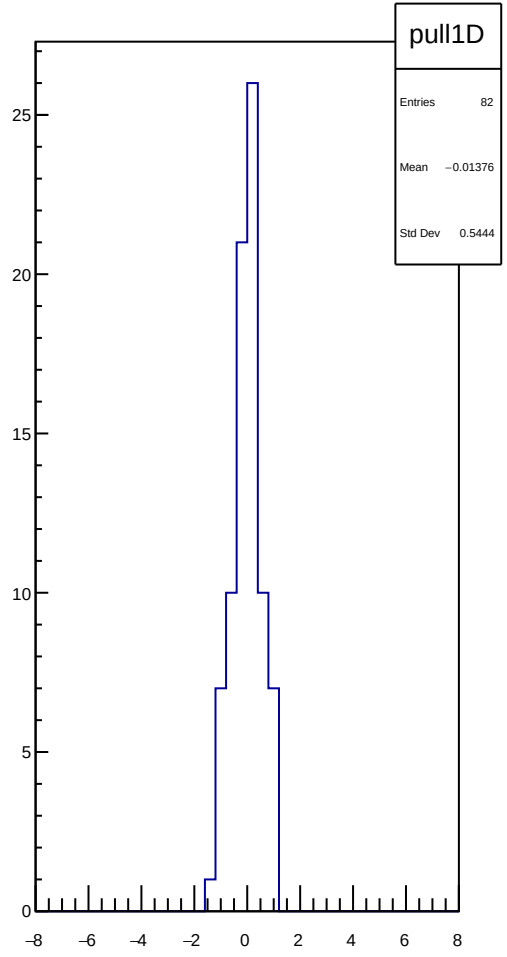

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 15.12 / 81
p0 −4.617 ± 2.586
pull
Entries 82
Mean 35.48
Std Dev 40.51

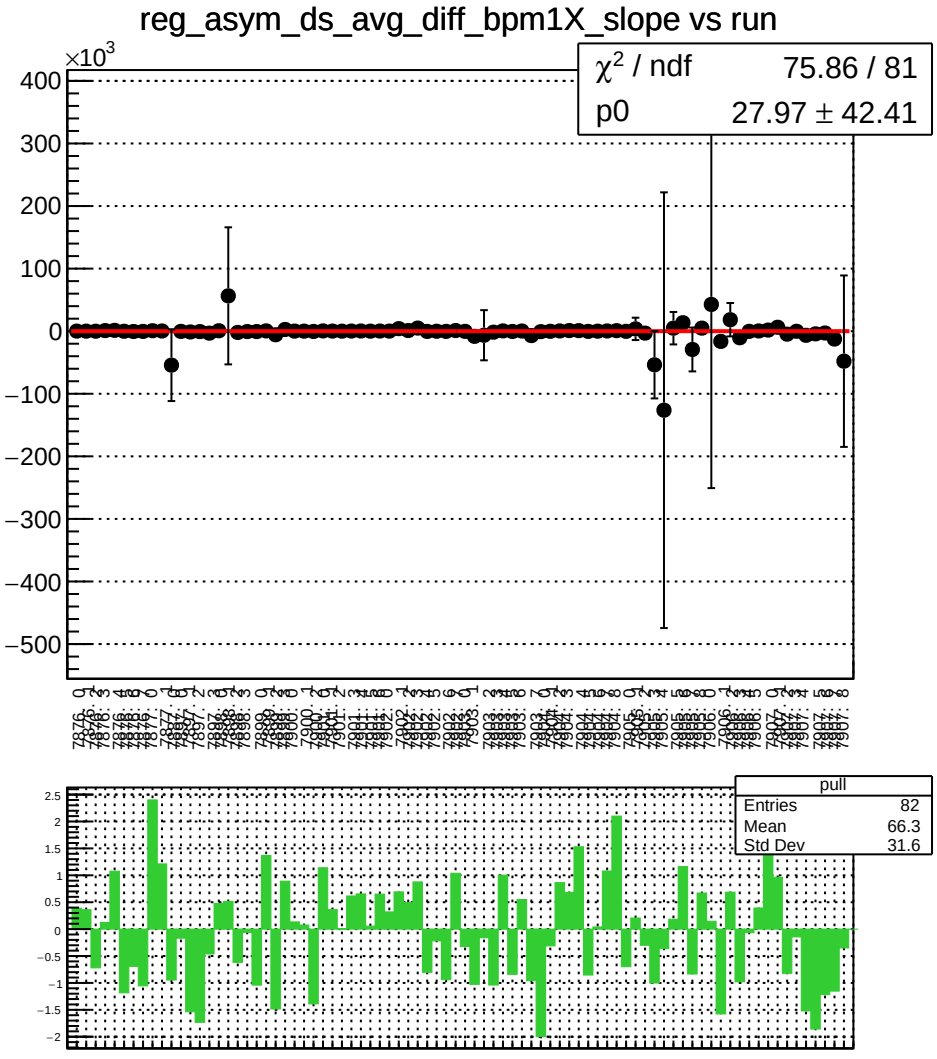

pull1D
Entries 82
Mean −0.02483
Std Dev 0.4287

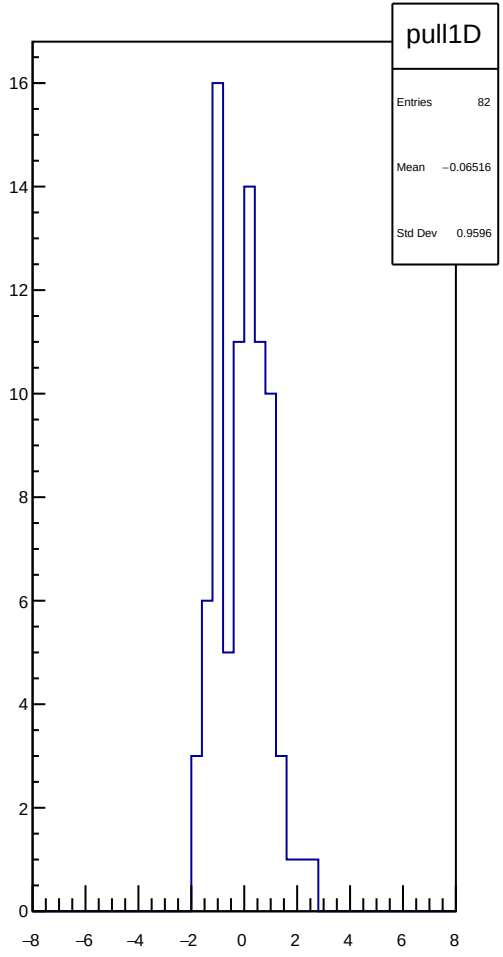

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 78.51 / 81
p0 −63.04 ± 1.944
pull
Entries 82
Mean 59.79
Std Dev 11.78
pull1D
Entries 82
Mean 0.4448
Std Dev 0.8715

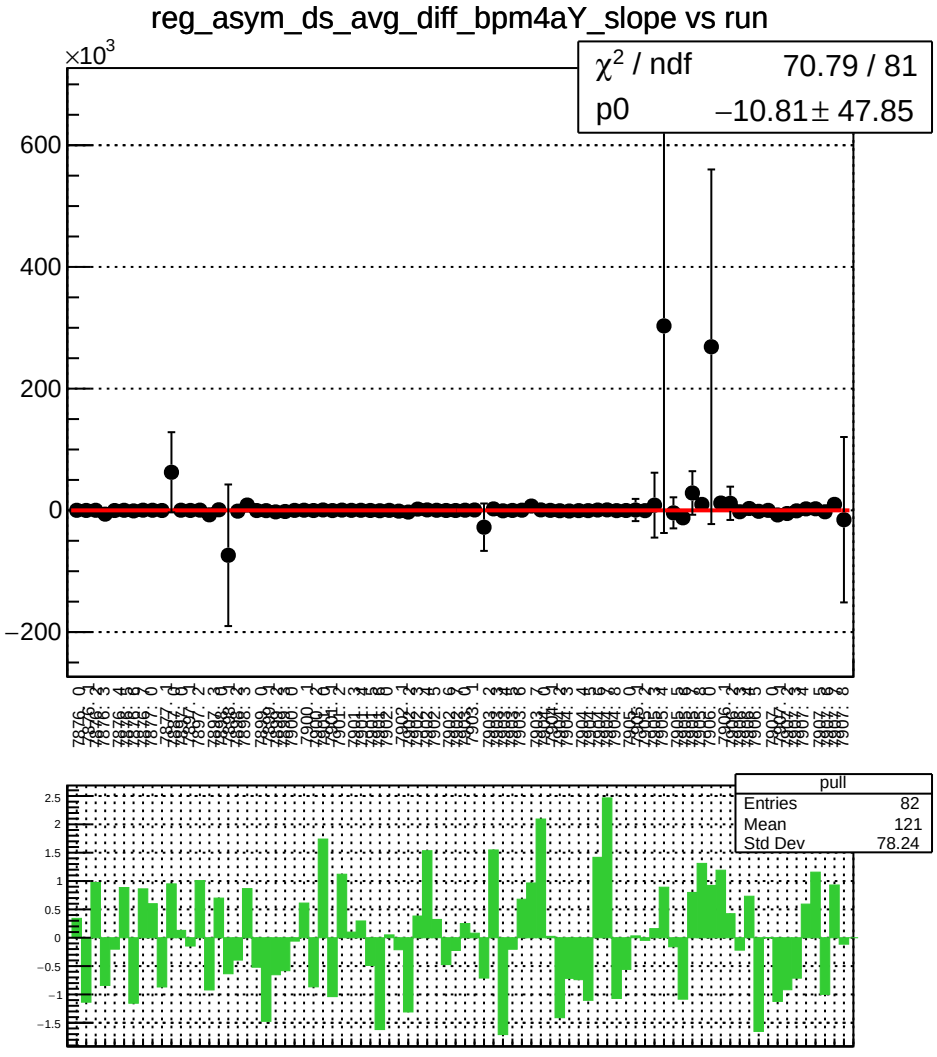

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.86 / 81
p0 10.53 ± 3.208
pull
Entries 82
Mean 67.43
Std Dev 39.97
pull1D
Entries 82
Mean 0.01663
Std Dev 0.4394

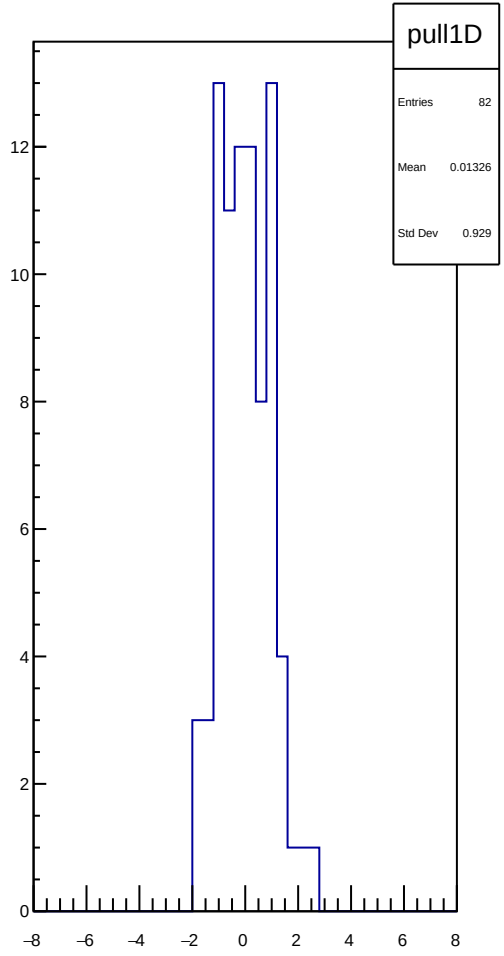

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.32 / 81
p0 −0.3834 ± 0.1076
pull
Entries 82
Mean 314.1
Std Dev 278.9

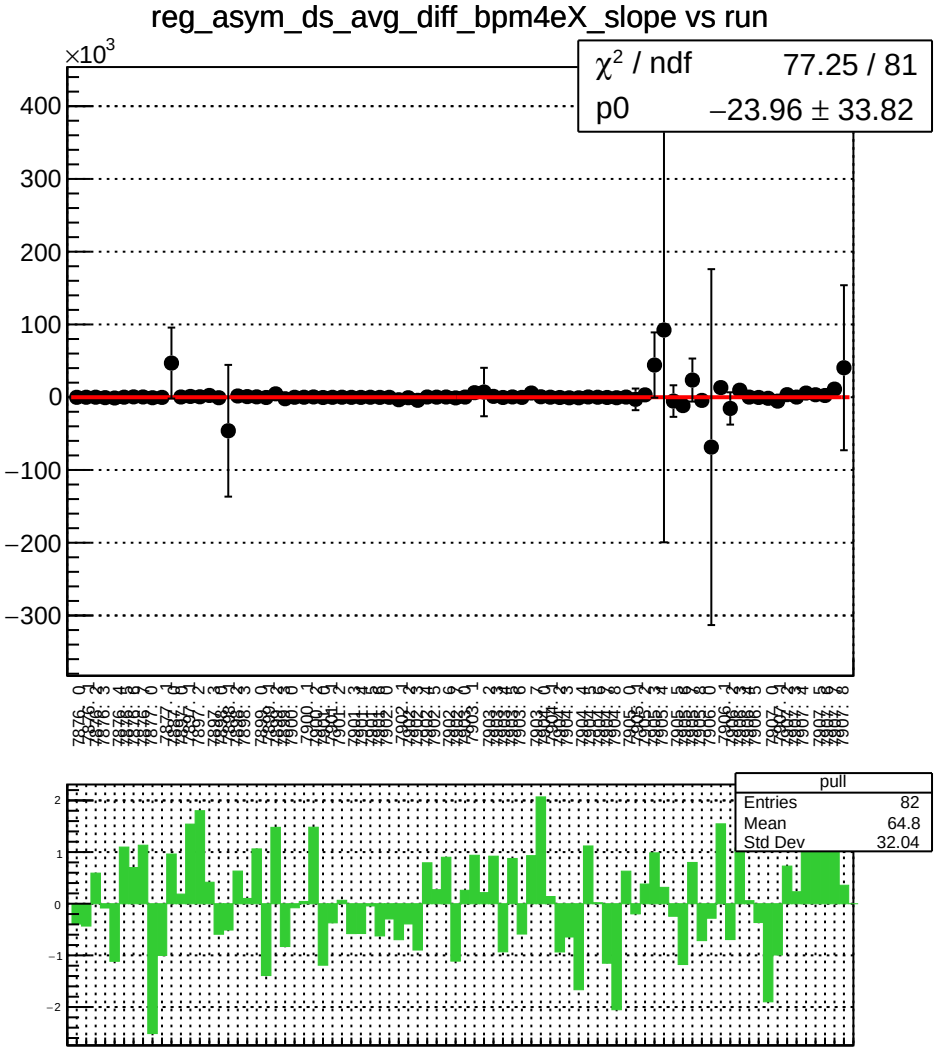

pull1D
Entries 82
Mean −0.01376
Std Dev 0.5444

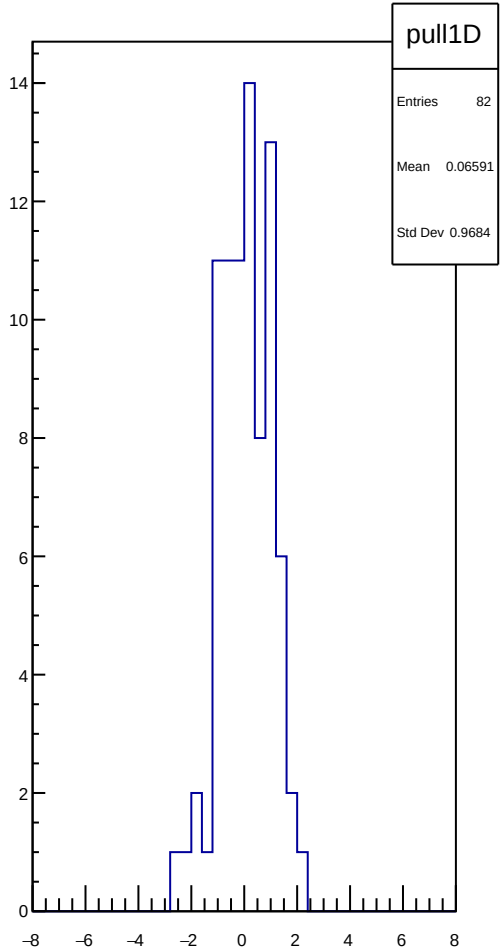

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 75.86 / 81
p0 27.97 ± 42.41
pull
Entries 82
Mean 66.3
Std Dev 31.6

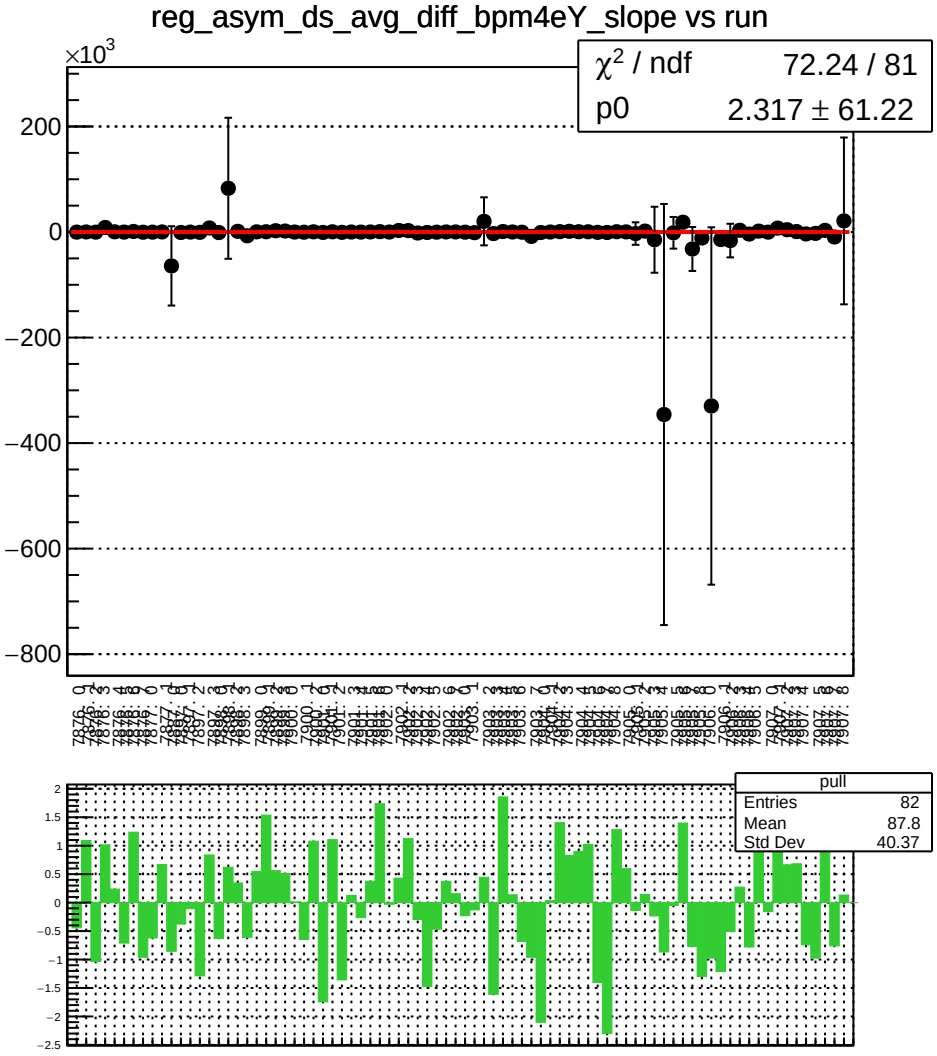

pull1D
Entries 82
Mean −0.06516
Std Dev 0.9596

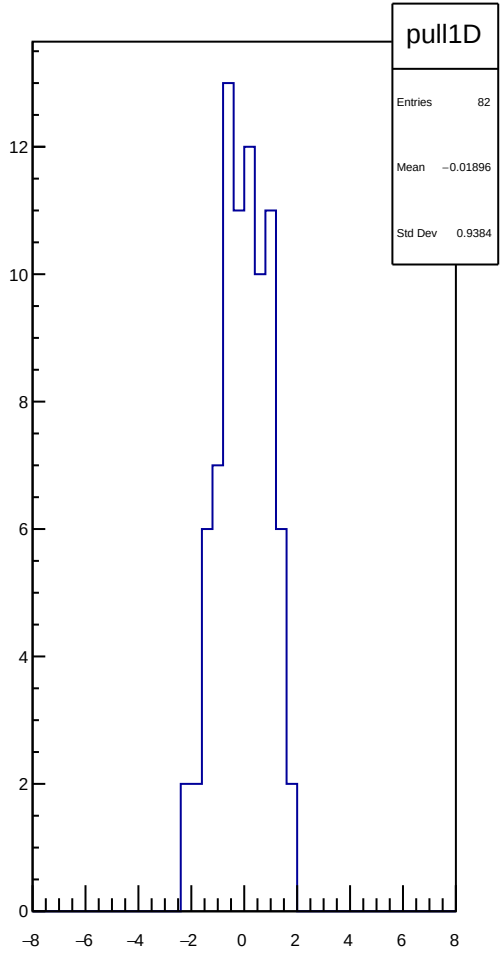

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 70.79 / 81
p0 −10.81 ± 47.85
600
400
200
0
−200
pull
Entries 82
Mean 121
Std Dev 78.24
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

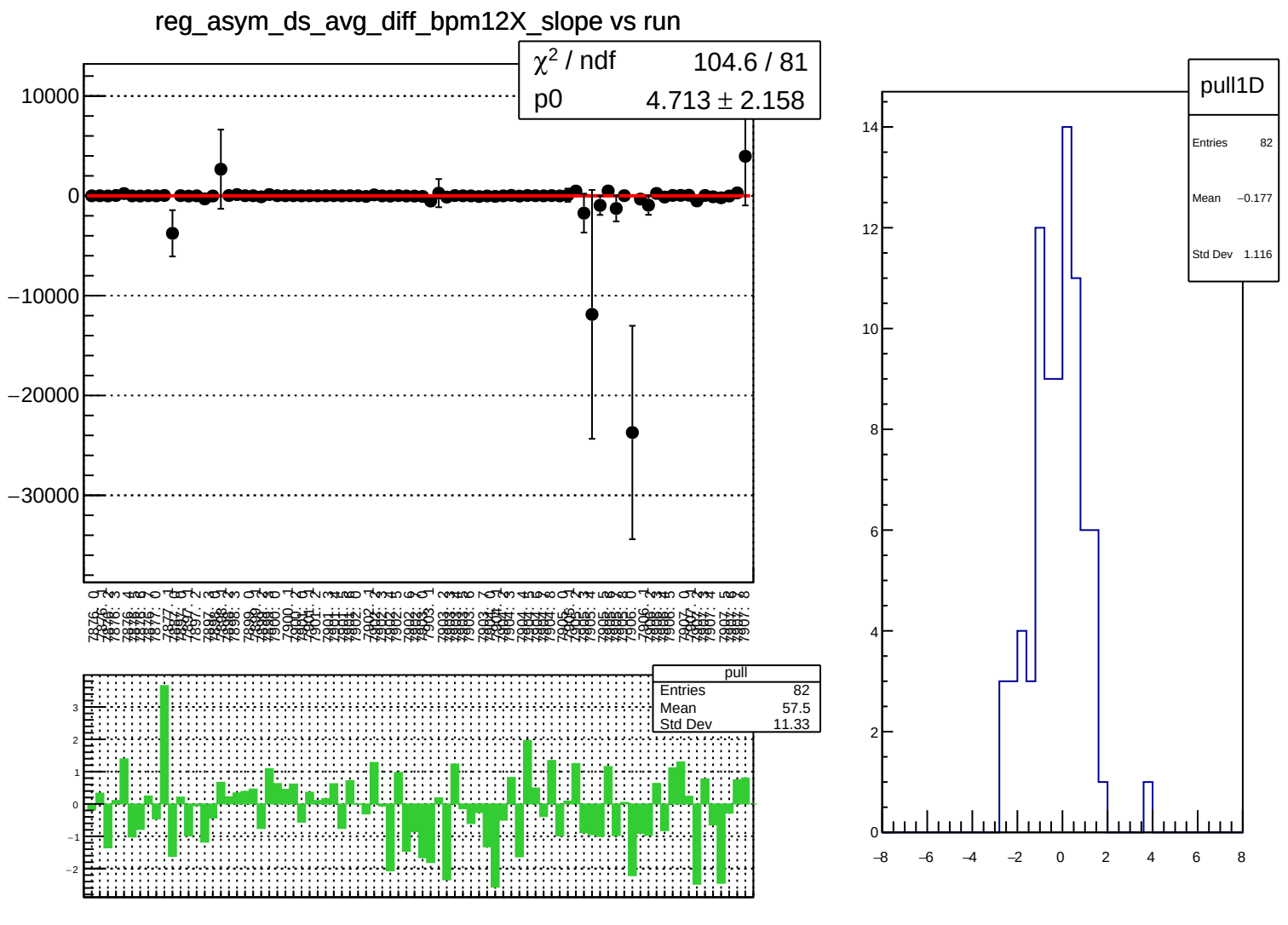

pull1D
Entries 82
Mean 0.01326
Std Dev 0.929
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

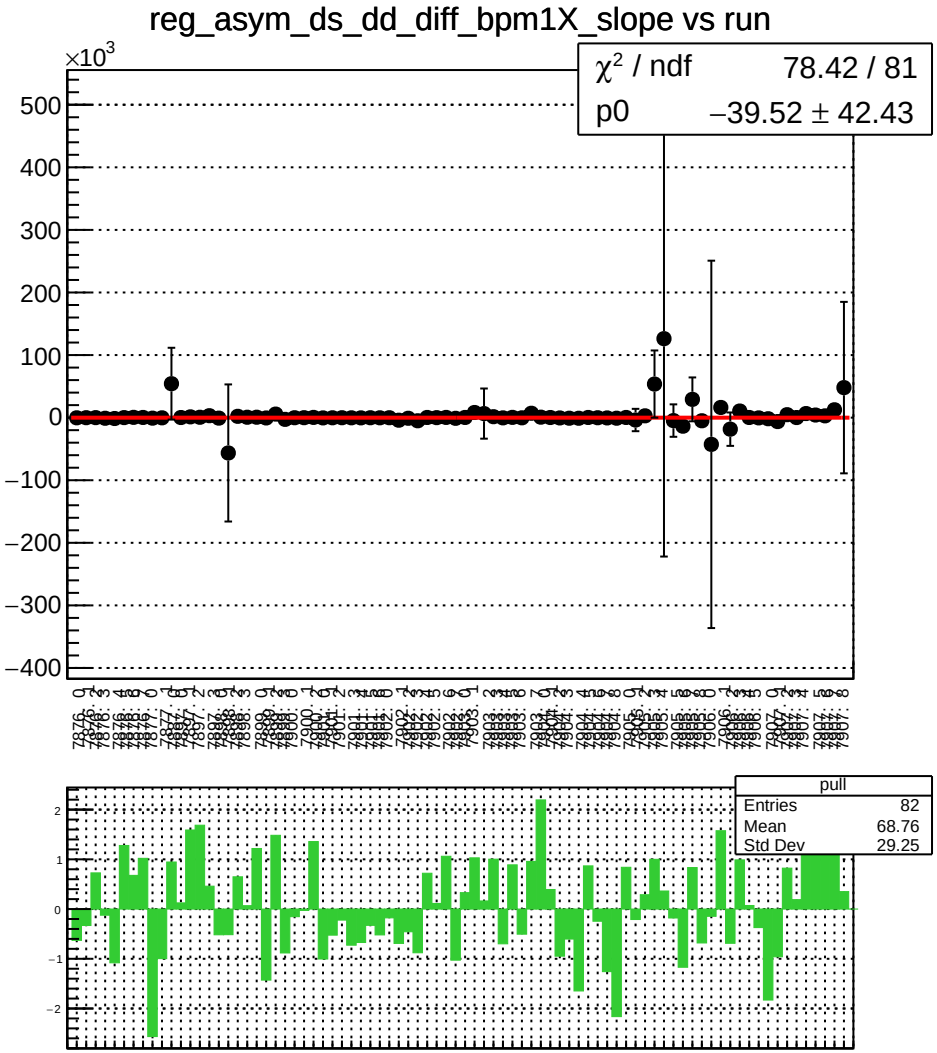

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 77.25 / 81
p0 −23.96 ± 33.82
400
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean 64.8
Std Dev 32.04
2
1
0
−1
−2

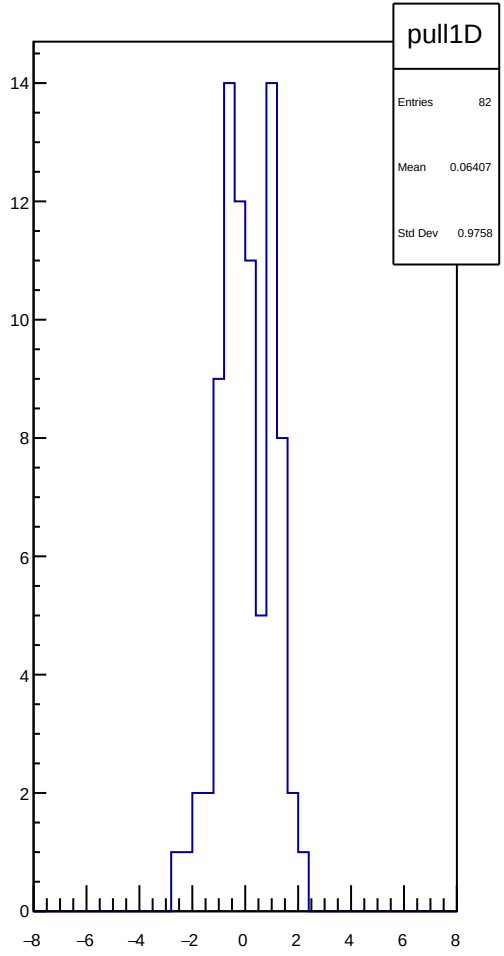

pull1D
Entries 82
Mean 0.06591
Std Dev 0.9684
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

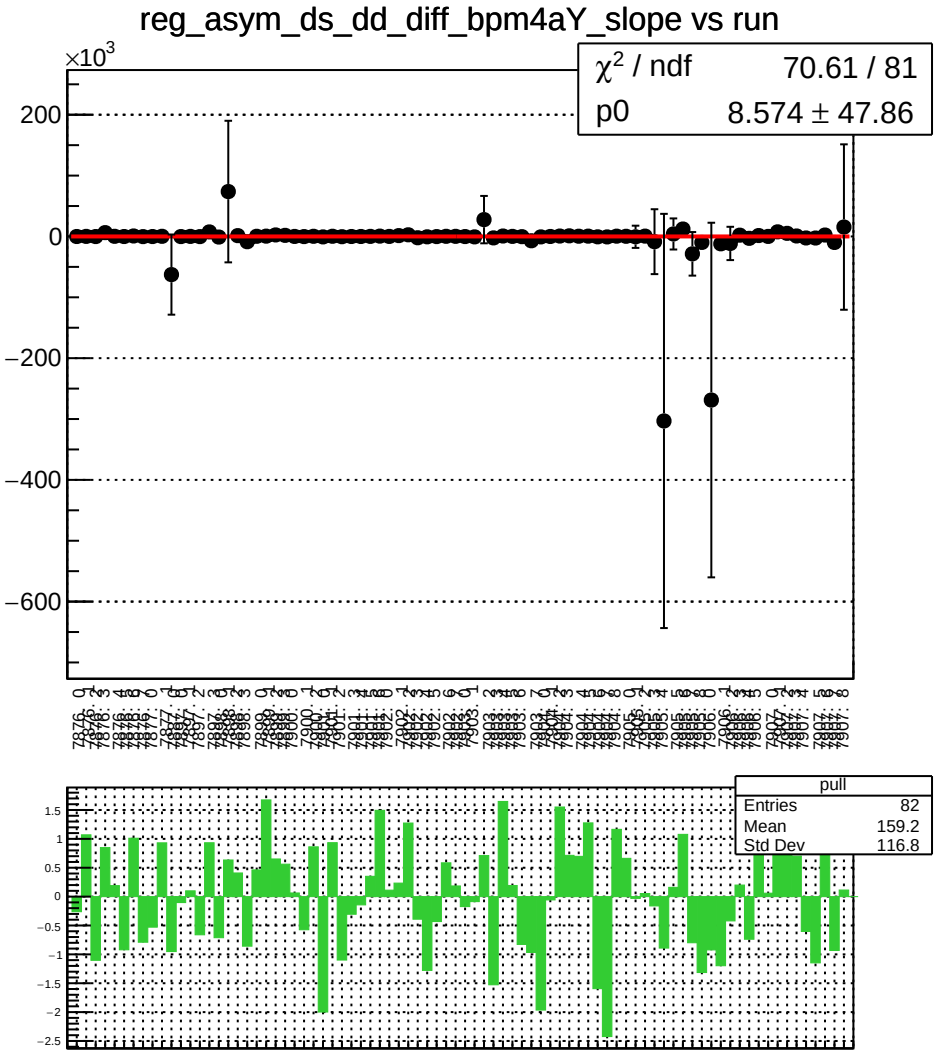

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 72.24 / 81
p0 2.317 ± 61.22
pull
Entries 82
Mean 87.8
Std Dev 40.37

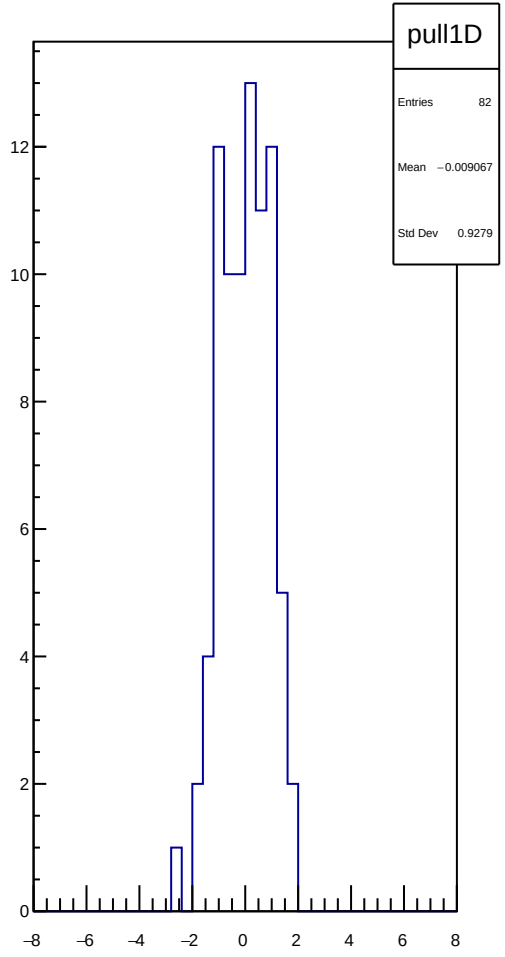

pull1D
Entries 82
Mean −0.01896
Std Dev 0.9384

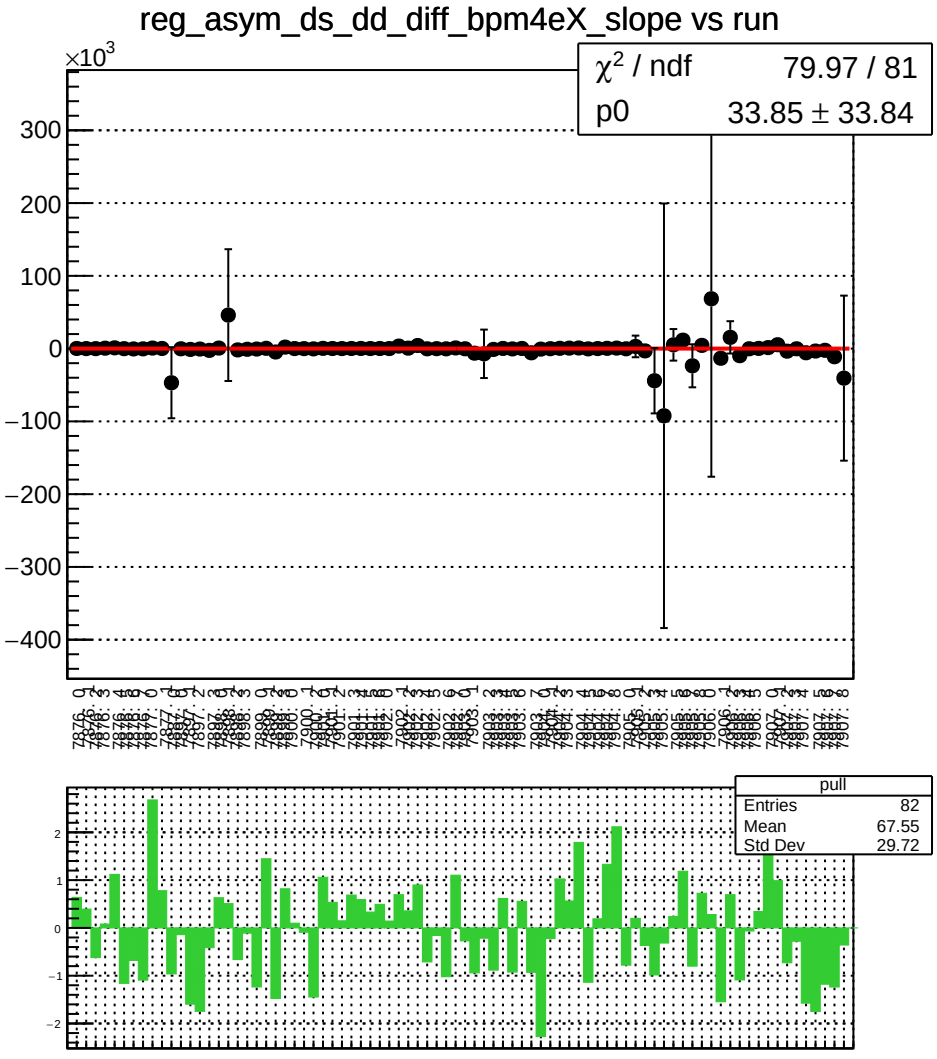

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 104.6 / 81
p0 4.713 ± 2.158
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 57.5
Std Dev 11.33
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.177
Std Dev 1.116
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

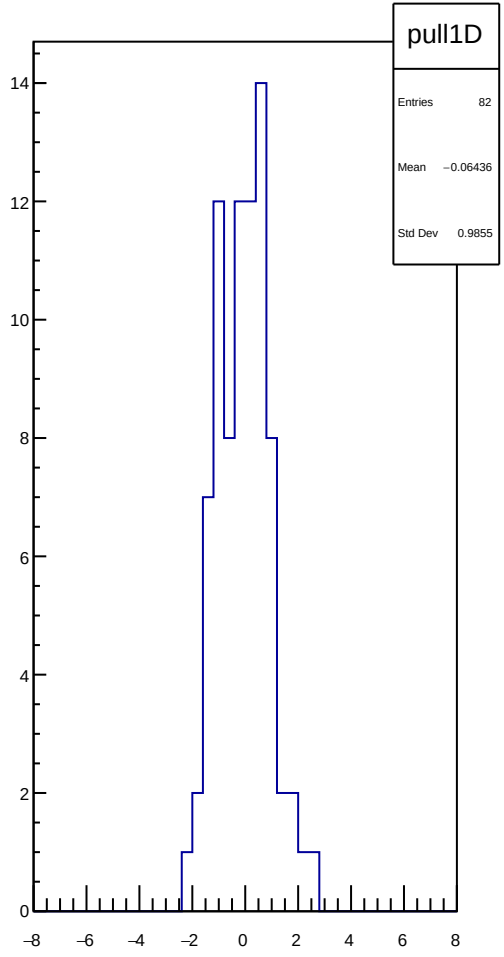

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 78.42 / 81
p0 −39.52 ± 42.43
pull
Entries 82
Mean 68.76
Std Dev 29.25

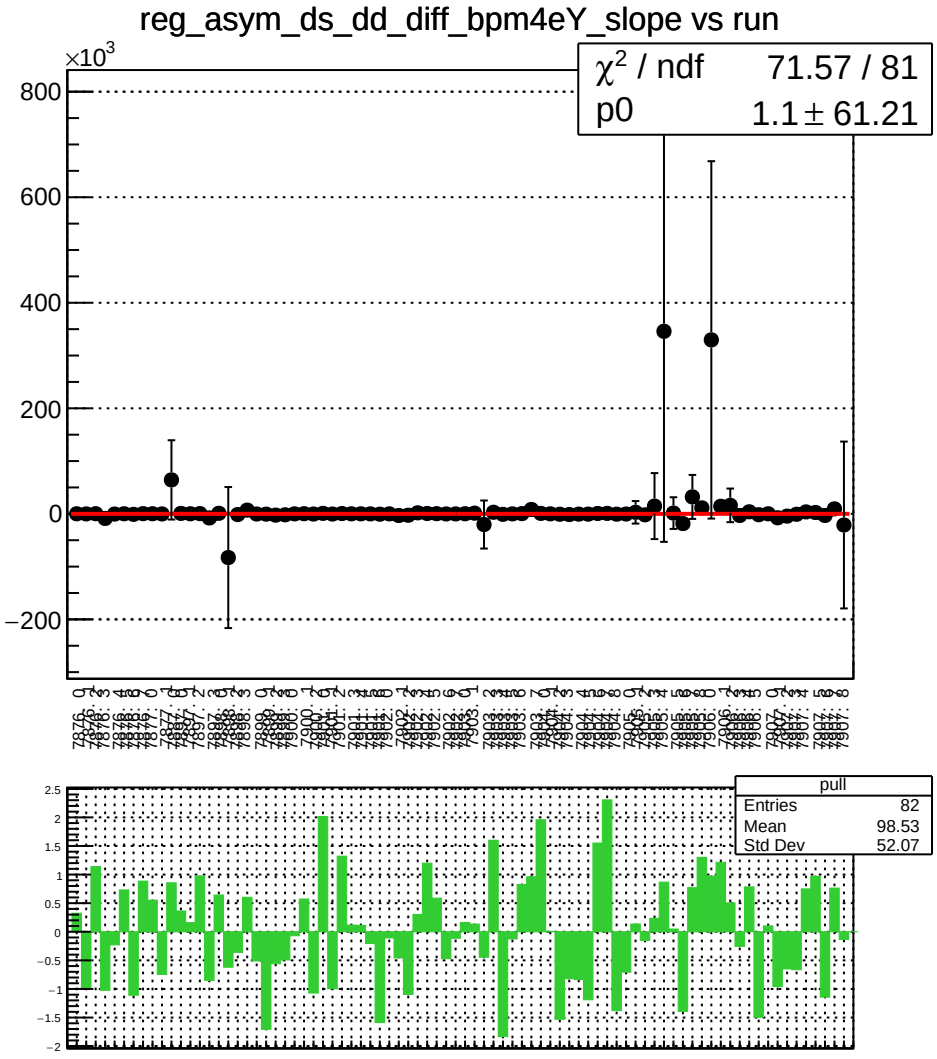

pull1D
Entries 82
Mean 0.06407
Std Dev 0.9758

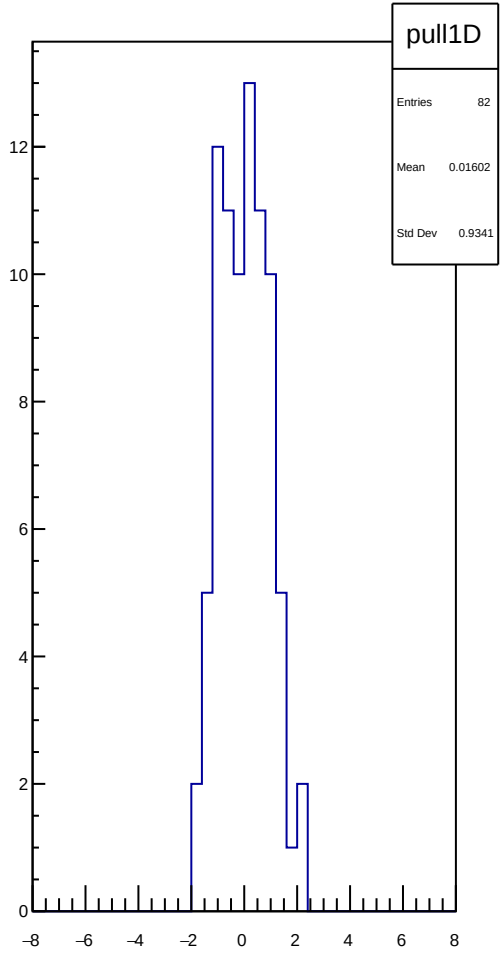

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 70.61 / 81
p0 8.574 ± 47.86
200
0
−200
−400
−600
pull
Entries 82
Mean 159.2
Std Dev 116.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

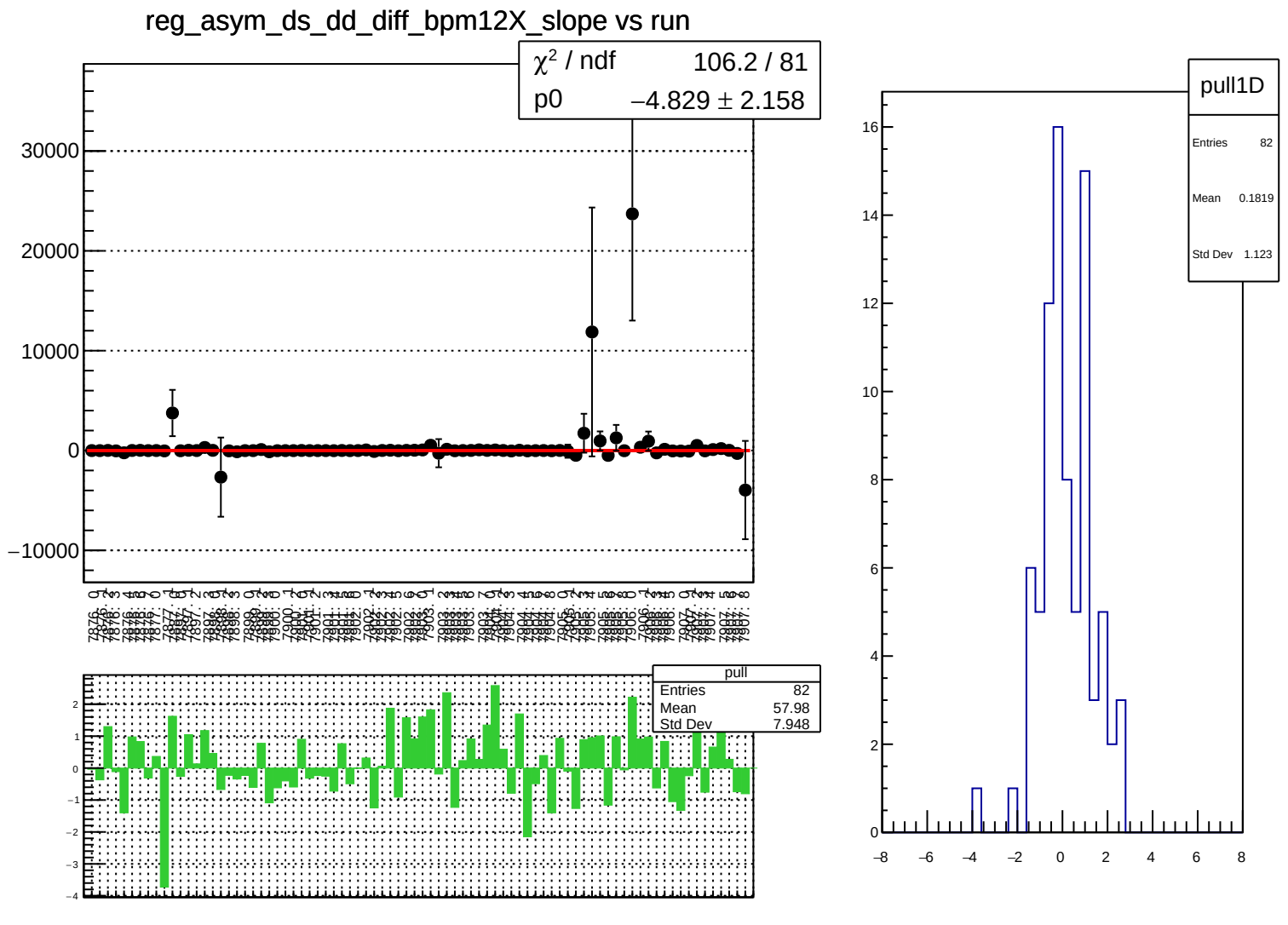

pull1D
Entries 82
Mean −0.009067
Std Dev 0.9279
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

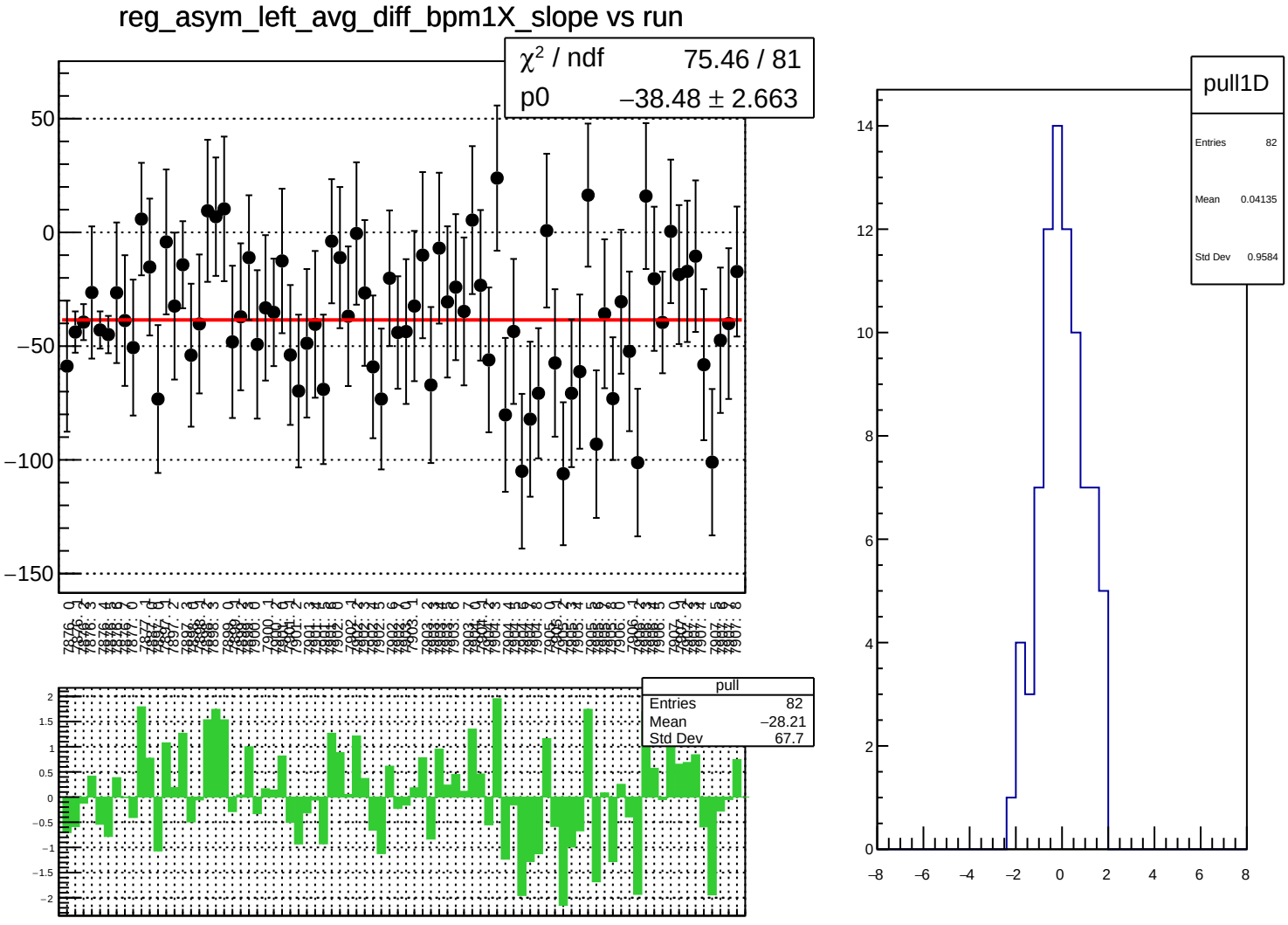

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 79.97 / 81
p0 33.85 ± 33.84
pull
Entries 82
Mean 67.55
Std Dev 29.72

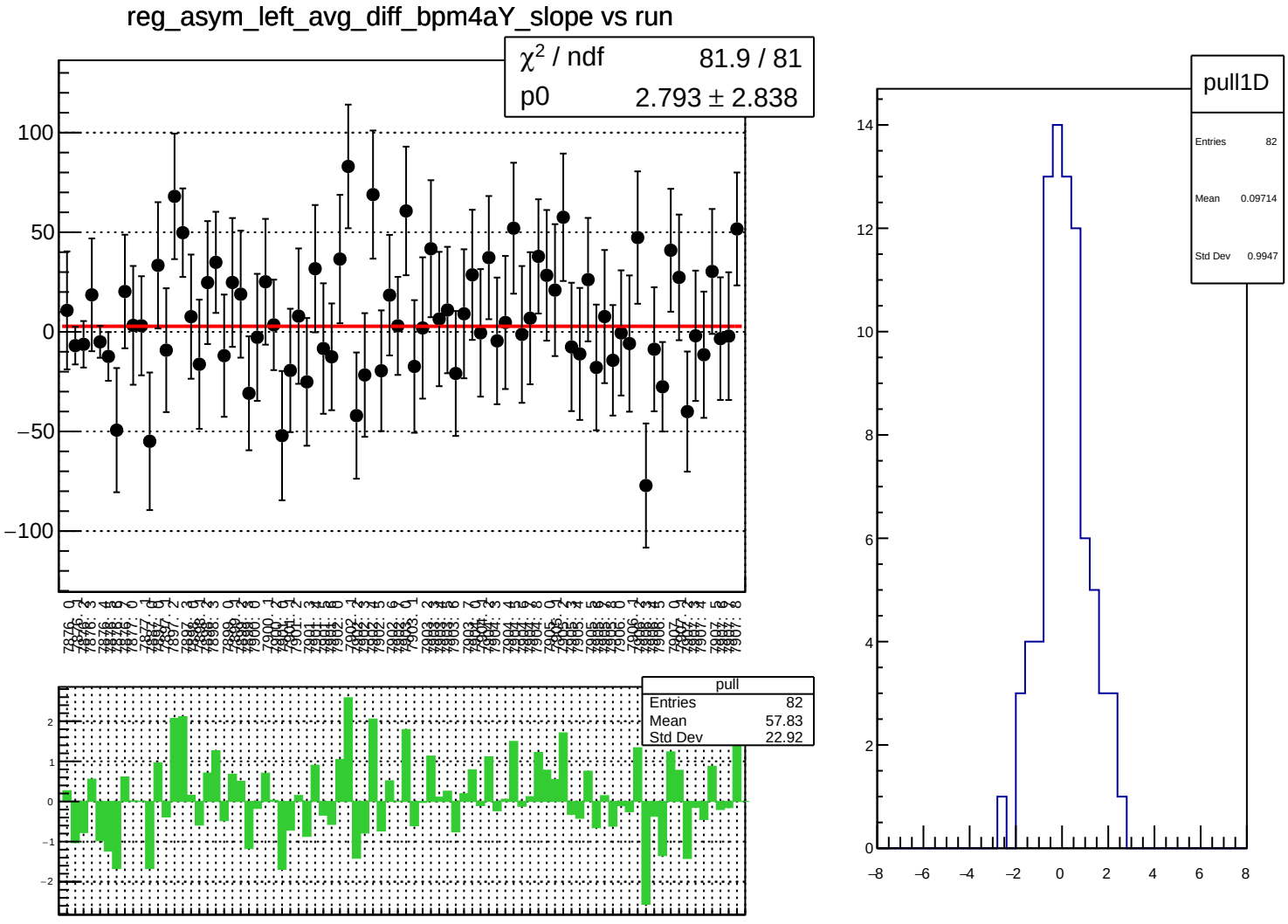

pull1D
Entries 82
Mean −0.06436
Std Dev 0.9855

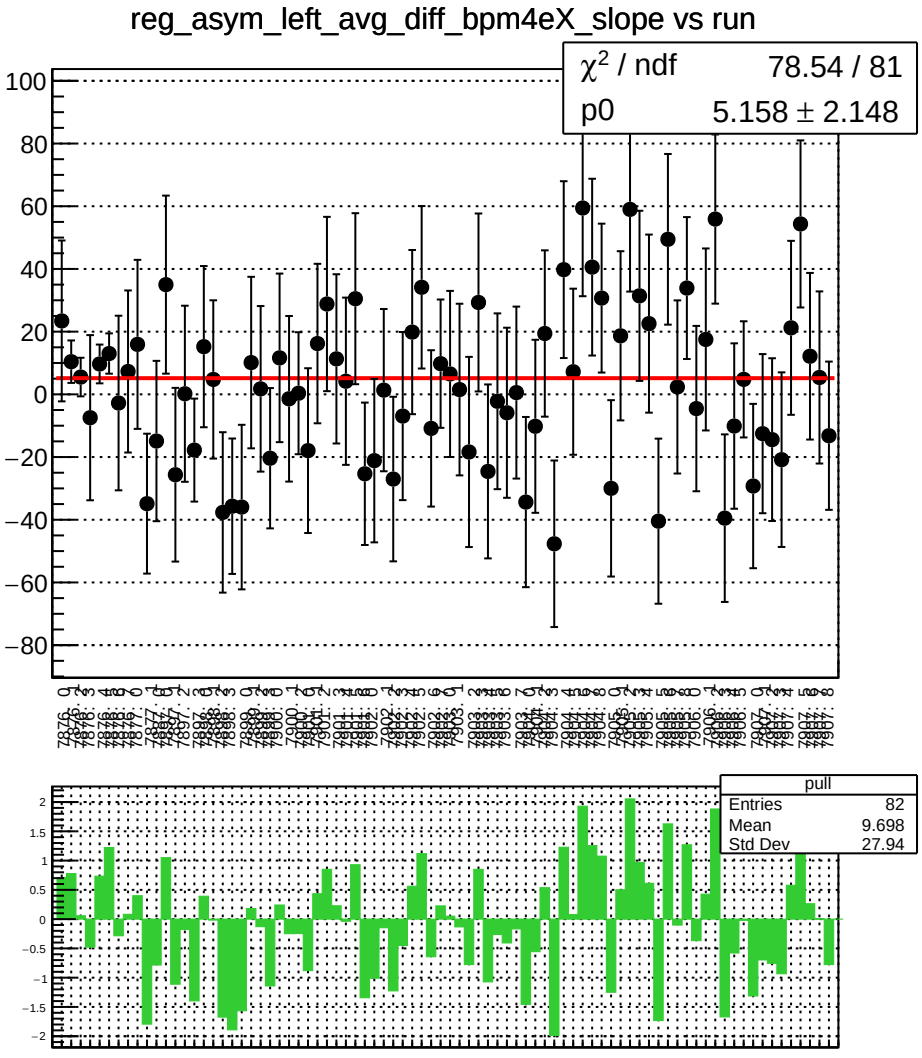

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 71.57 / 81
p0 1.1 ± 61.21
pull
Entries 82
Mean 98.53
Std Dev 52.07

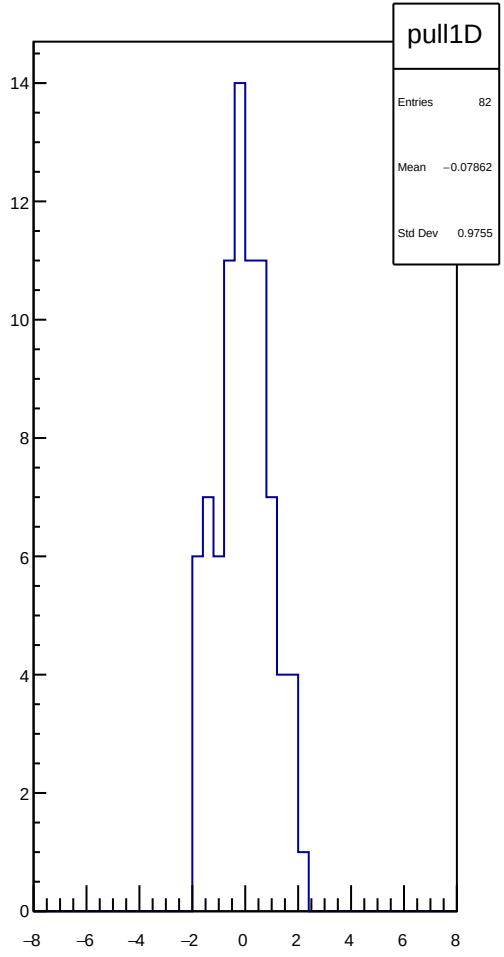

pull1D
Entries 82
Mean 0.01602
Std Dev 0.9341

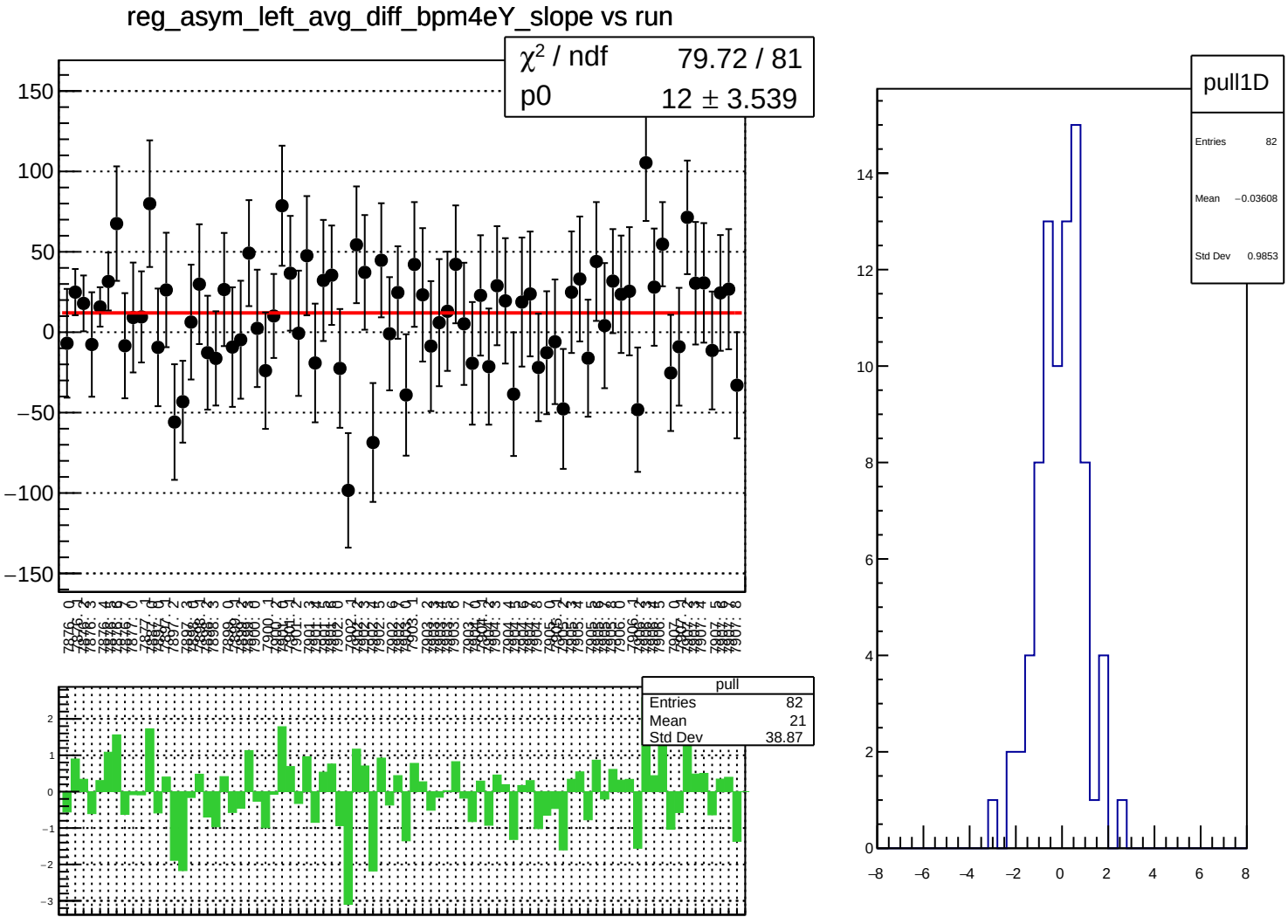

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 106.2 / 81
p0 −4.829 ± 2.158
30000
20000
10000
0
−10000
pull
Entries 82
Mean 57.98
Std Dev 7.948
2
1
0
−1
−2
−3
−4
pull1D
Entries 82
Mean 0.1819
Std Dev 1.123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

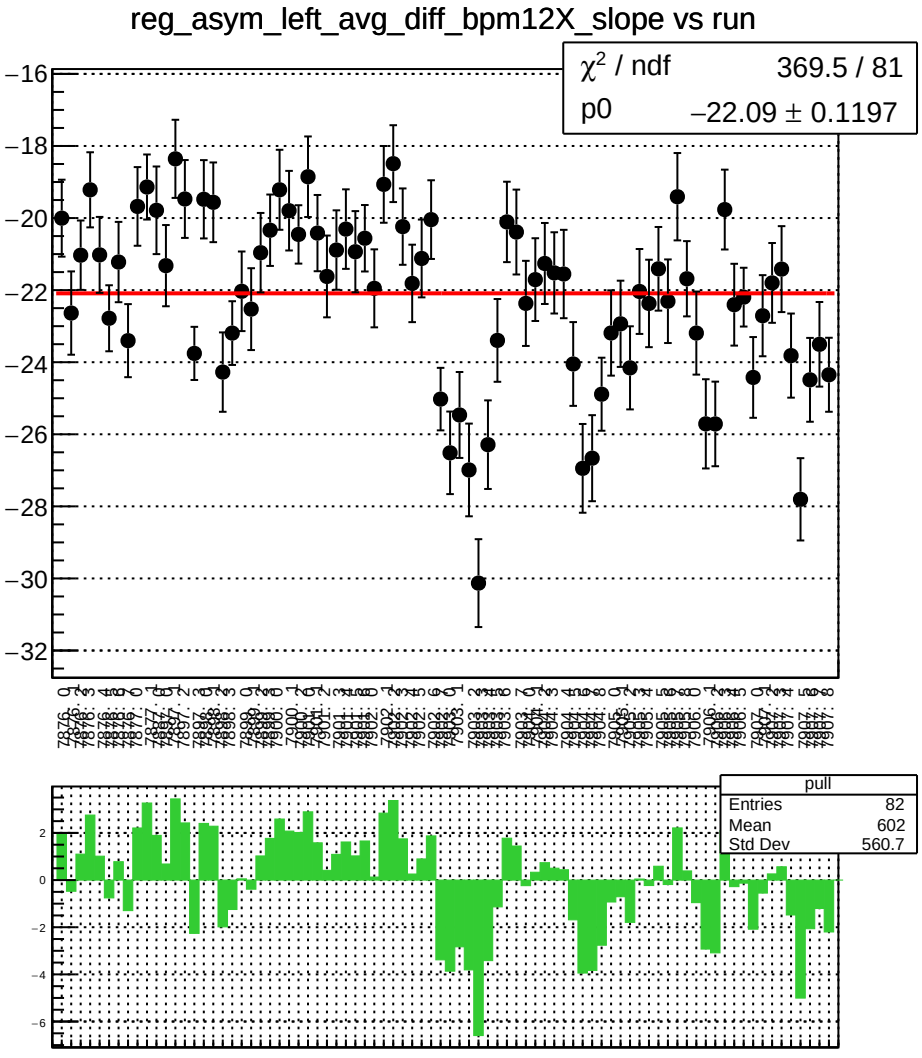

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 75.46 / 81
p0 −38.48 ± 2.663
pull
Entries 82
Mean −28.21
Std Dev 67.7
pull1D
Entries 82
Mean 0.04135
Std Dev 0.9584

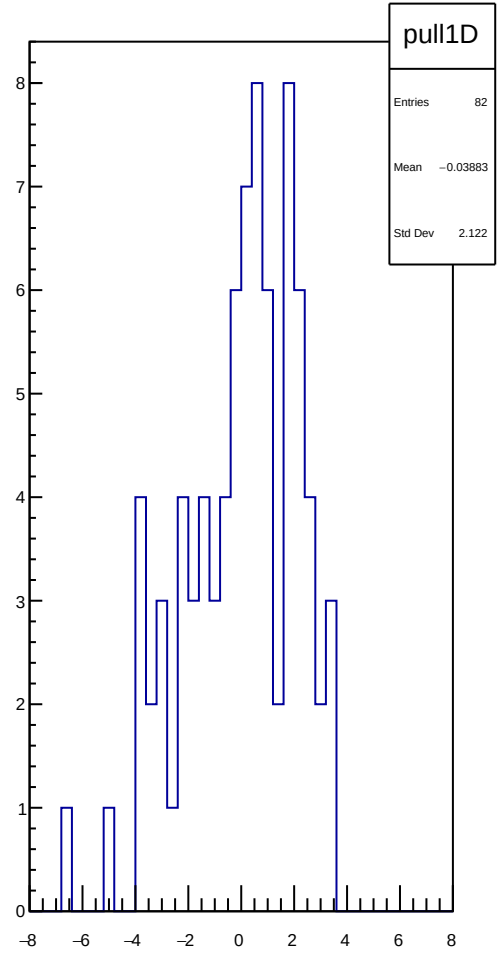

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.9 / 81
p0 2.793 ± 2.838
pull
Entries 82
Mean 57.83
Std Dev 22.92
pull1D
Entries 82
Mean 0.09714
Std Dev 0.9947

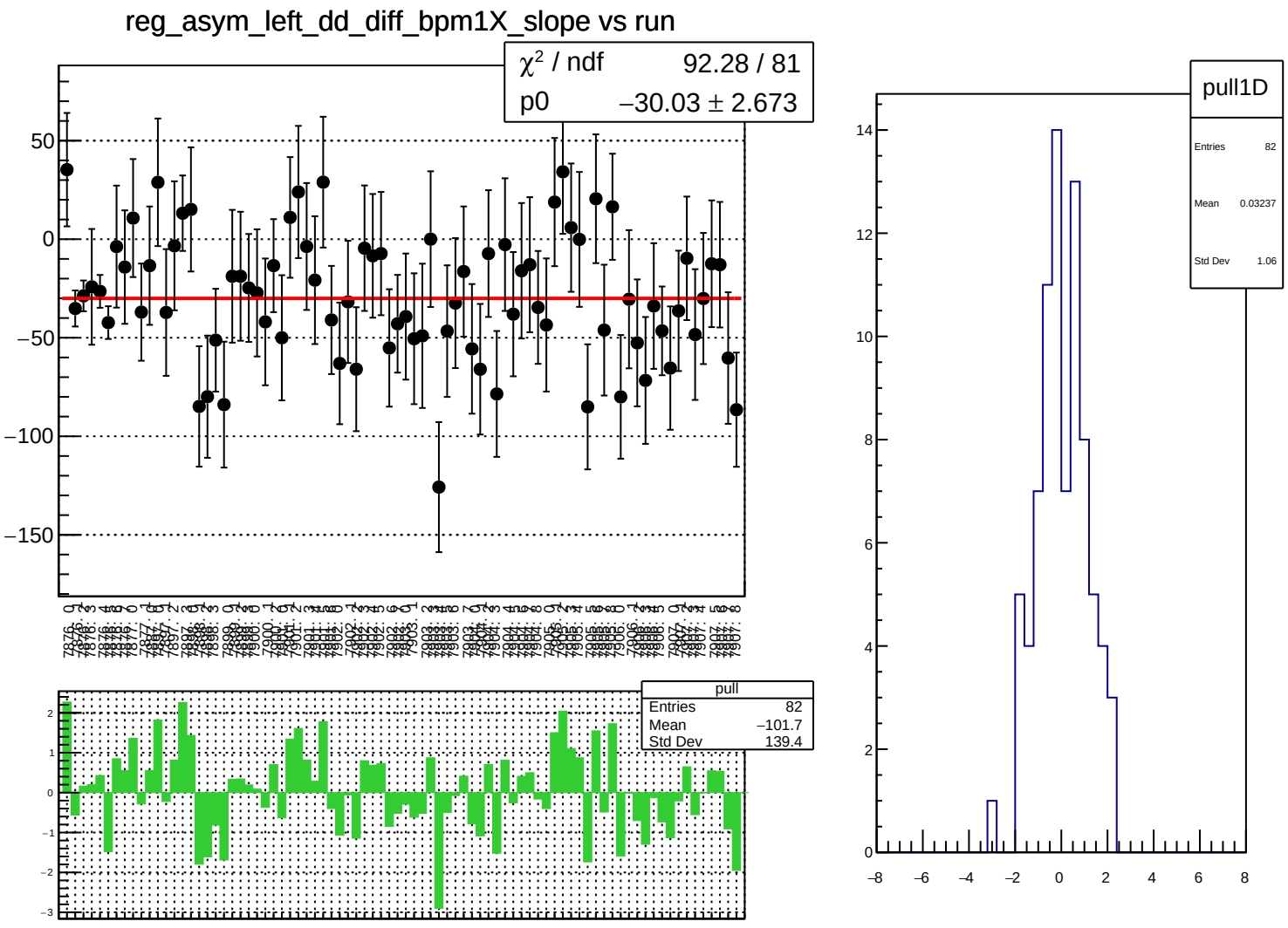

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 78.54 / 81
p0 5.158 ± 2.148
pull
Entries 82
Mean 9.698
Std Dev 27.94

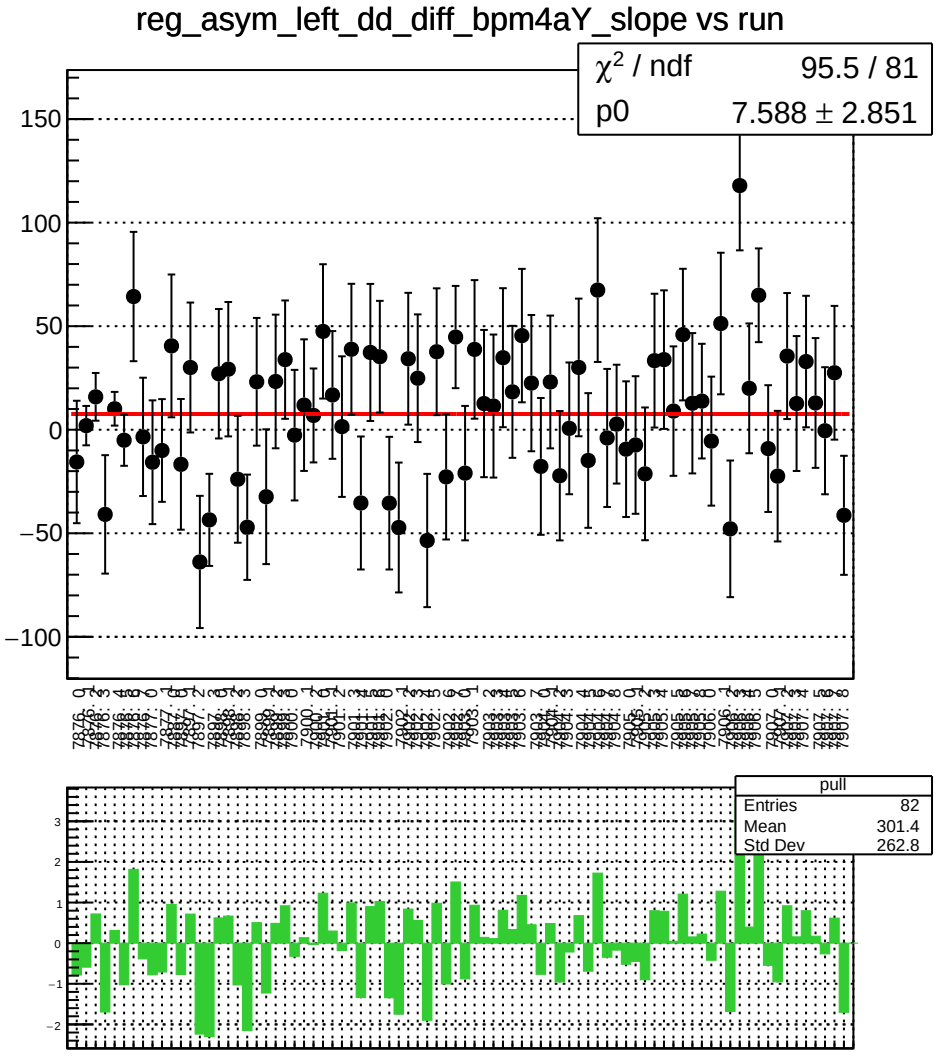

pull1D
Entries 82
Mean −0.07862
Std Dev 0.9755

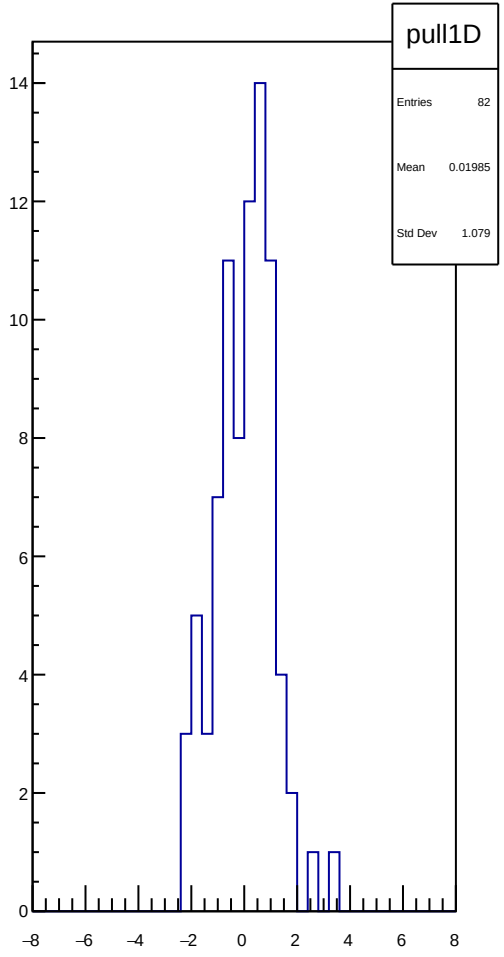

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.72 / 81
p0 12 ± 3.539
pull
Entries 82
Mean 21
Std Dev 38.87
pull1D
Entries 82
Mean −0.03608
Std Dev 0.9853

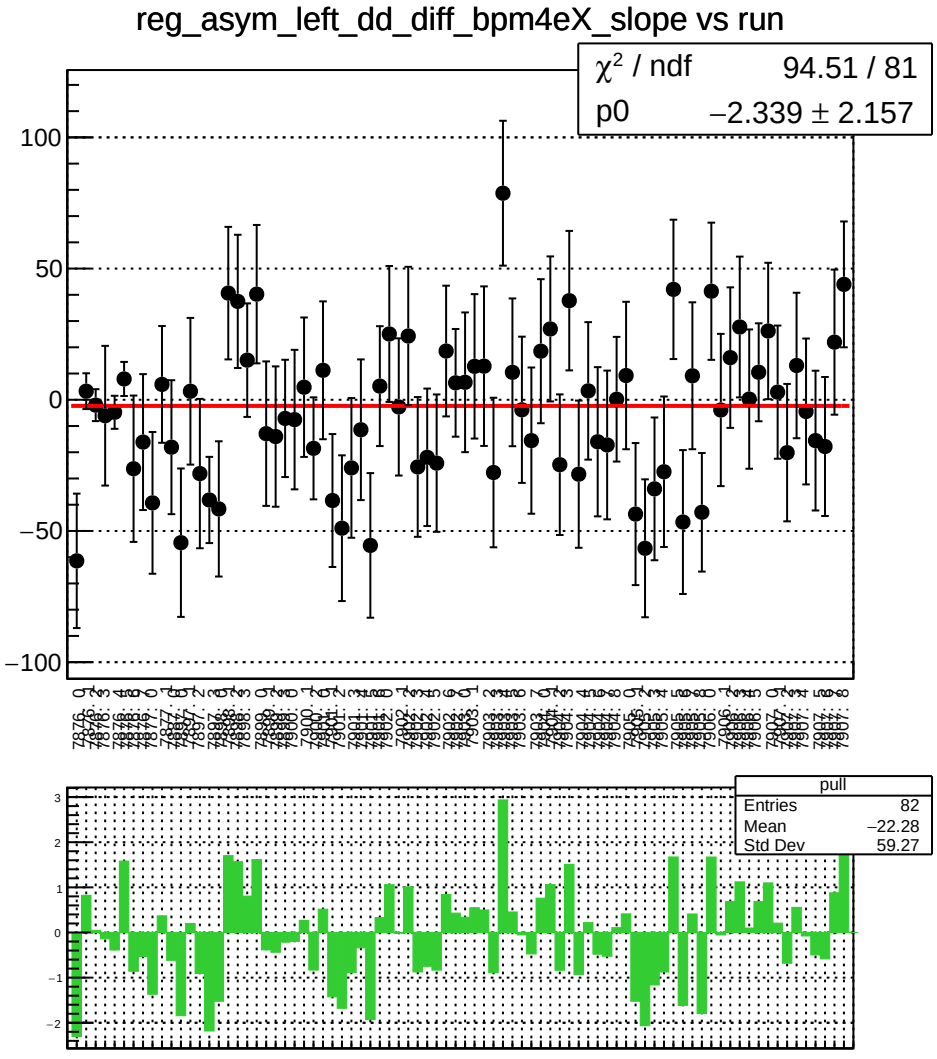

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 369.5 / 81
p0 −22.09 ± 0.1197
pull
Entries 82
Mean 602
Std Dev 560.7

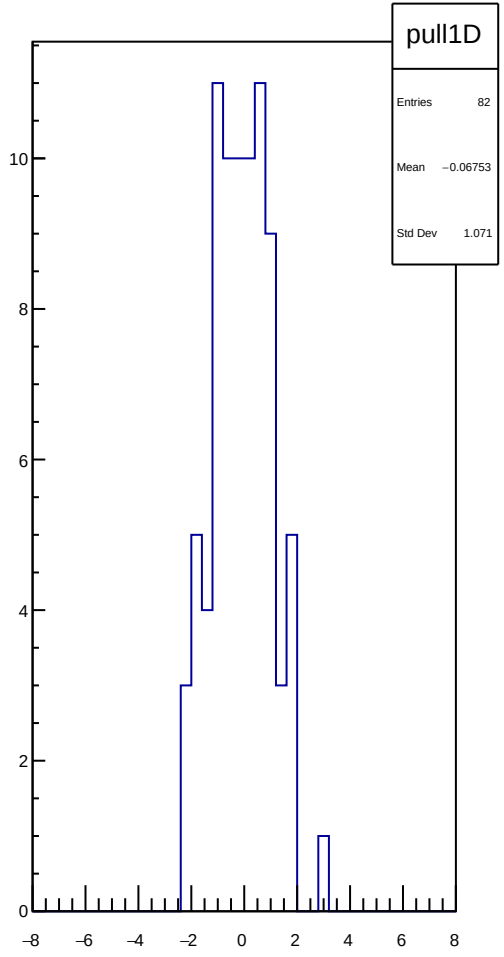

pull1D
Entries 82
Mean −0.03883
Std Dev 2.122

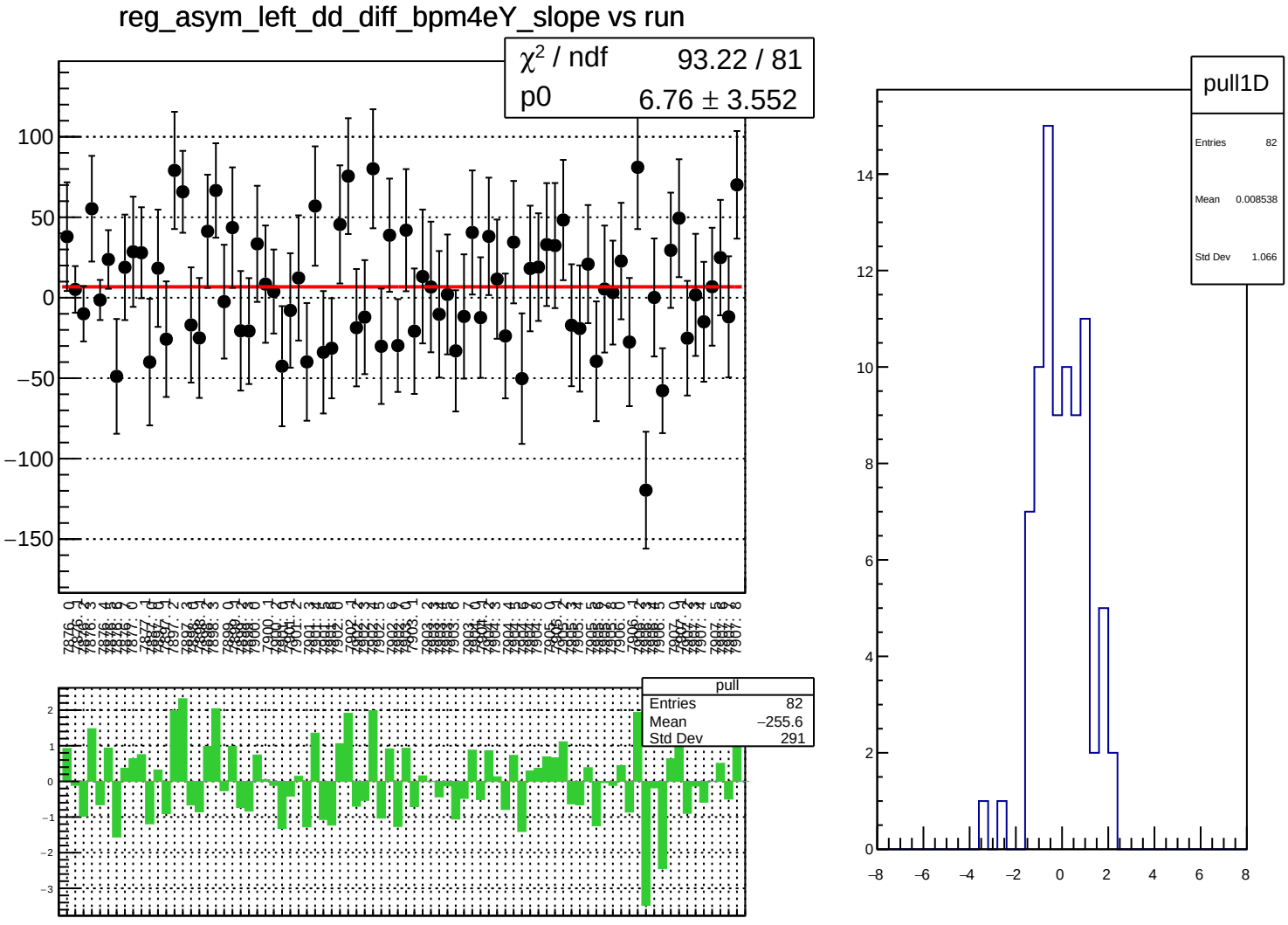

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 92.28 / 81
p0 −30.03 ± 2.673
pull
Entries 82
Mean −101.7
Std Dev 139.4
pull1D
Entries 82
Mean 0.03237
Std Dev 1.06

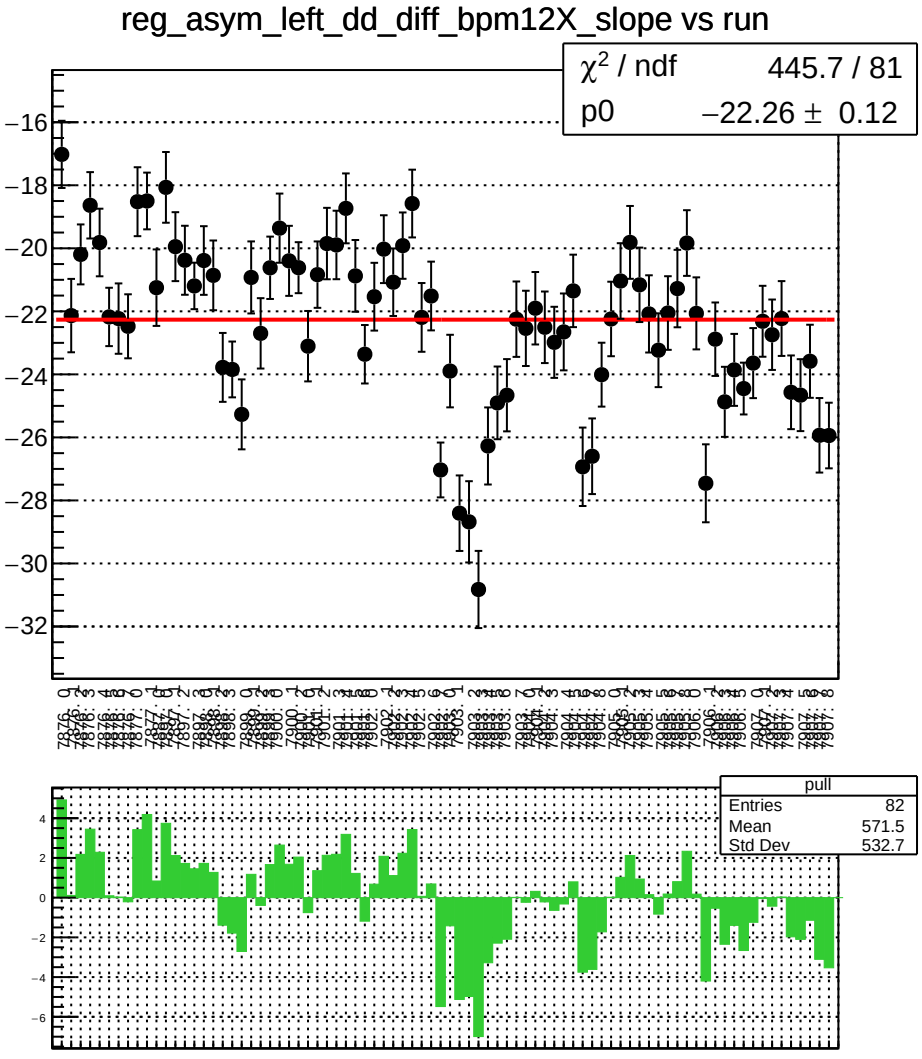

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 95.5 / 81
p0 7.588 ± 2.851
pull
Entries 82
Mean 301.4
Std Dev 262.8

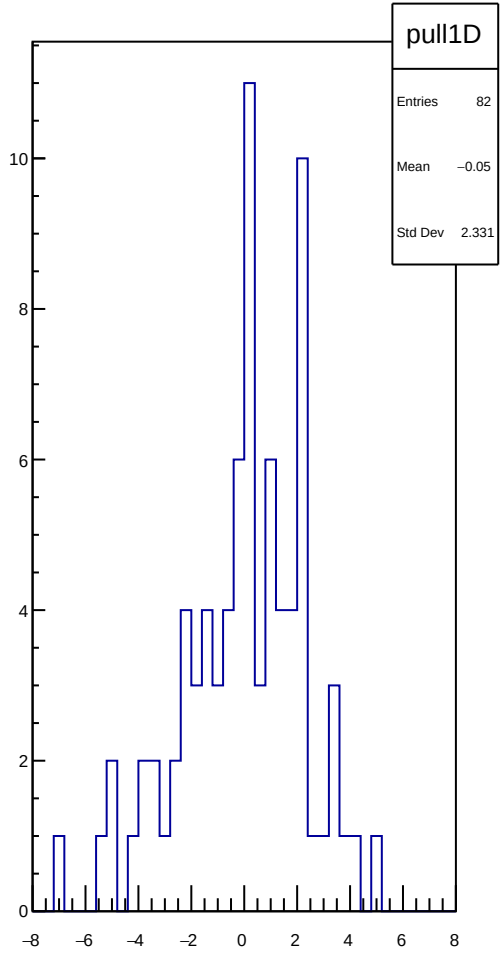

pull1D
Entries 82
Mean 0.01985
Std Dev 1.079

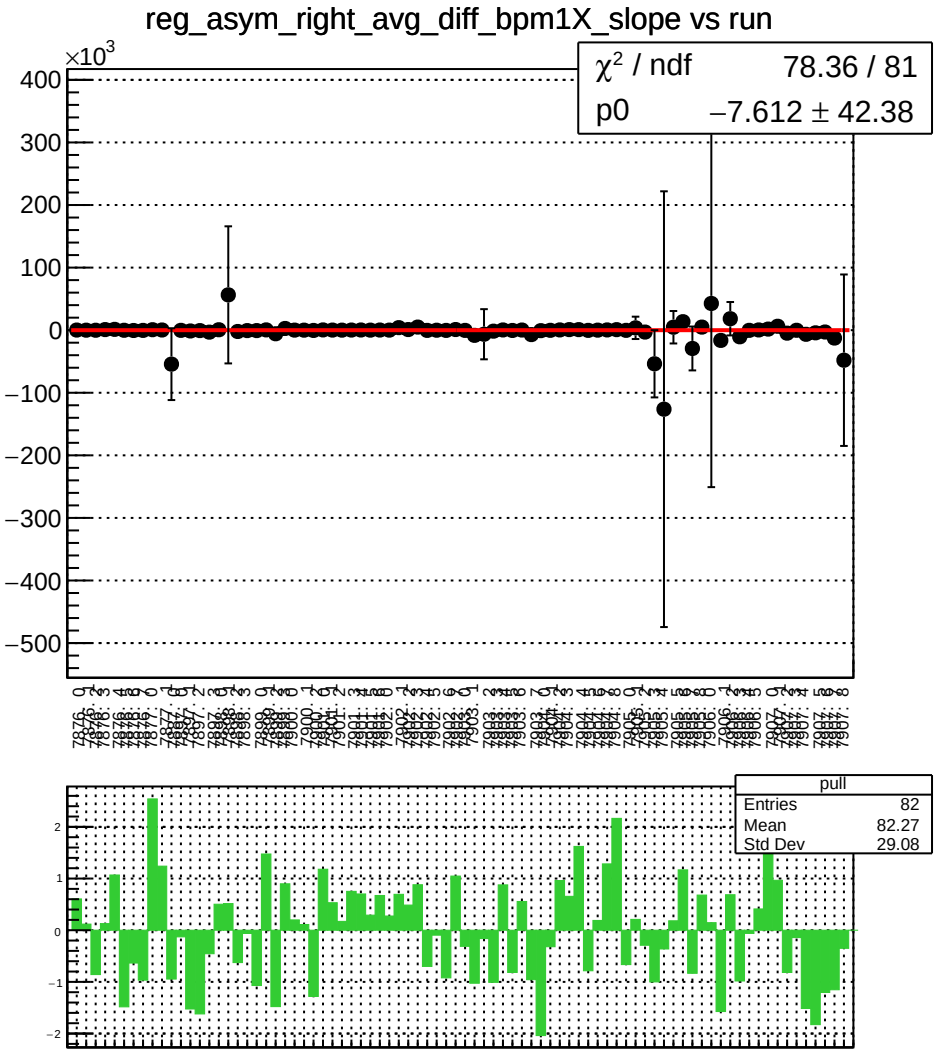

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.51 / 81
p0 −2.339 ± 2.157
pull
Entries 82
Mean −22.28
Std Dev 59.27

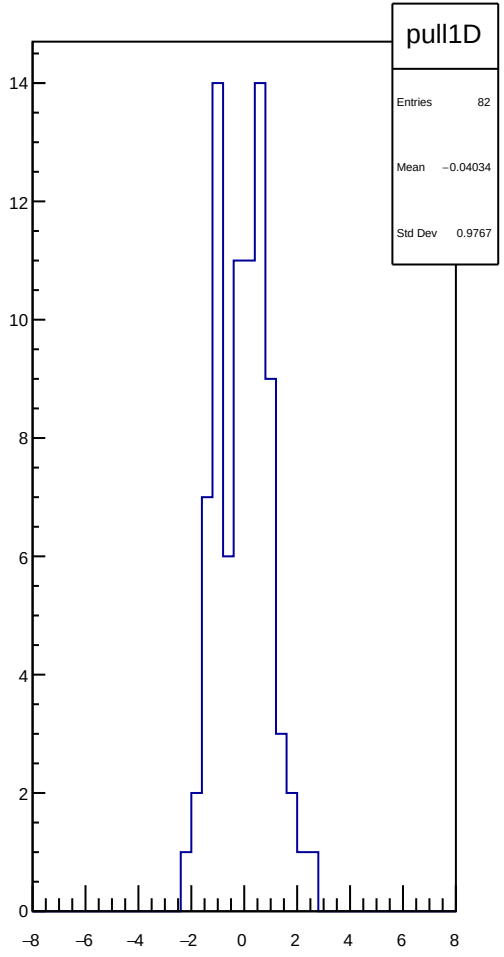

pull1D
Entries 82
Mean −0.06753
Std Dev 1.071

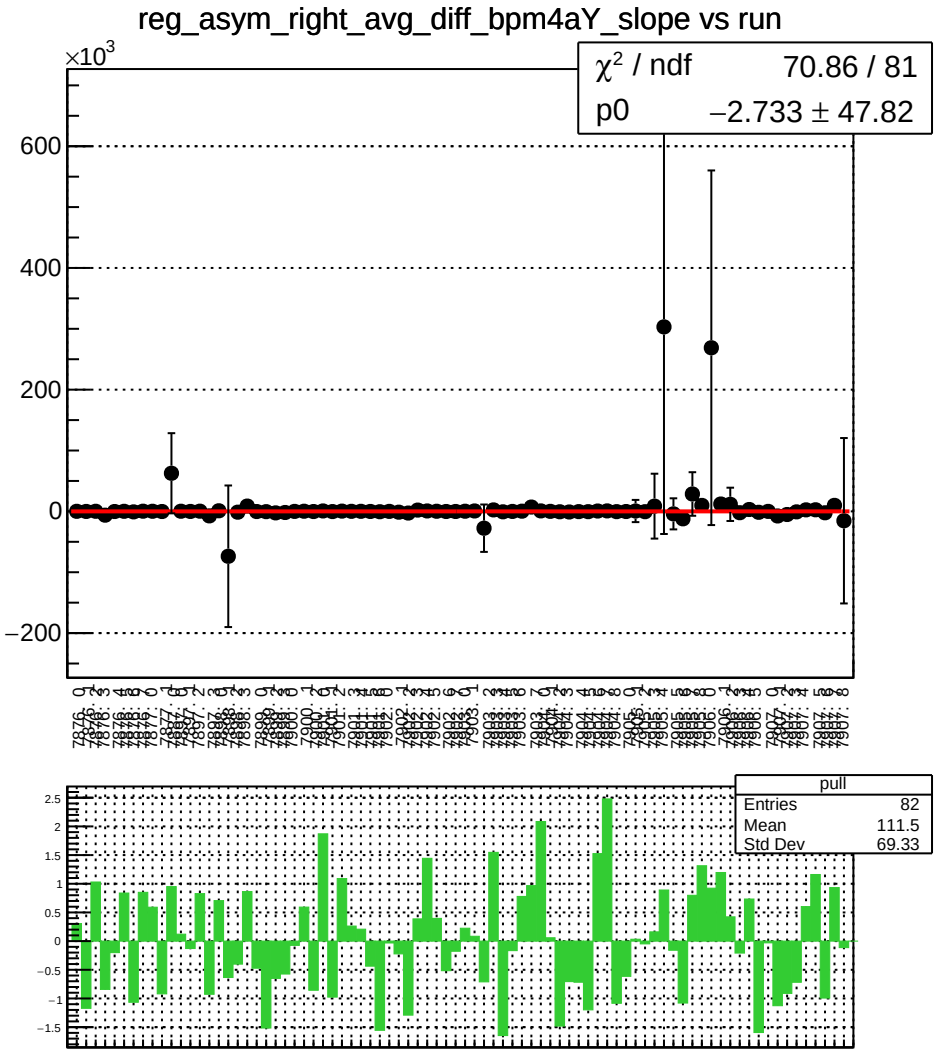

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 93.22 / 81
p0 6.76 ± 3.552
pull
Entries 82
Mean −255.6
Std Dev 291
pull1D
Entries 82
Mean 0.008538
Std Dev 1.066

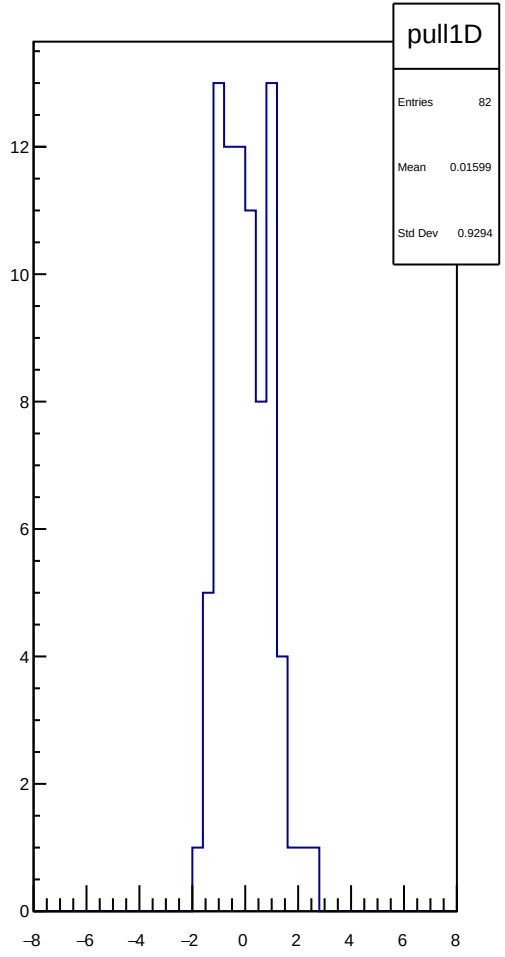

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 445.7 / 81
p0 −22.26 ± 0.12
pull
Entries 82
Mean 571.5
Std Dev 532.7

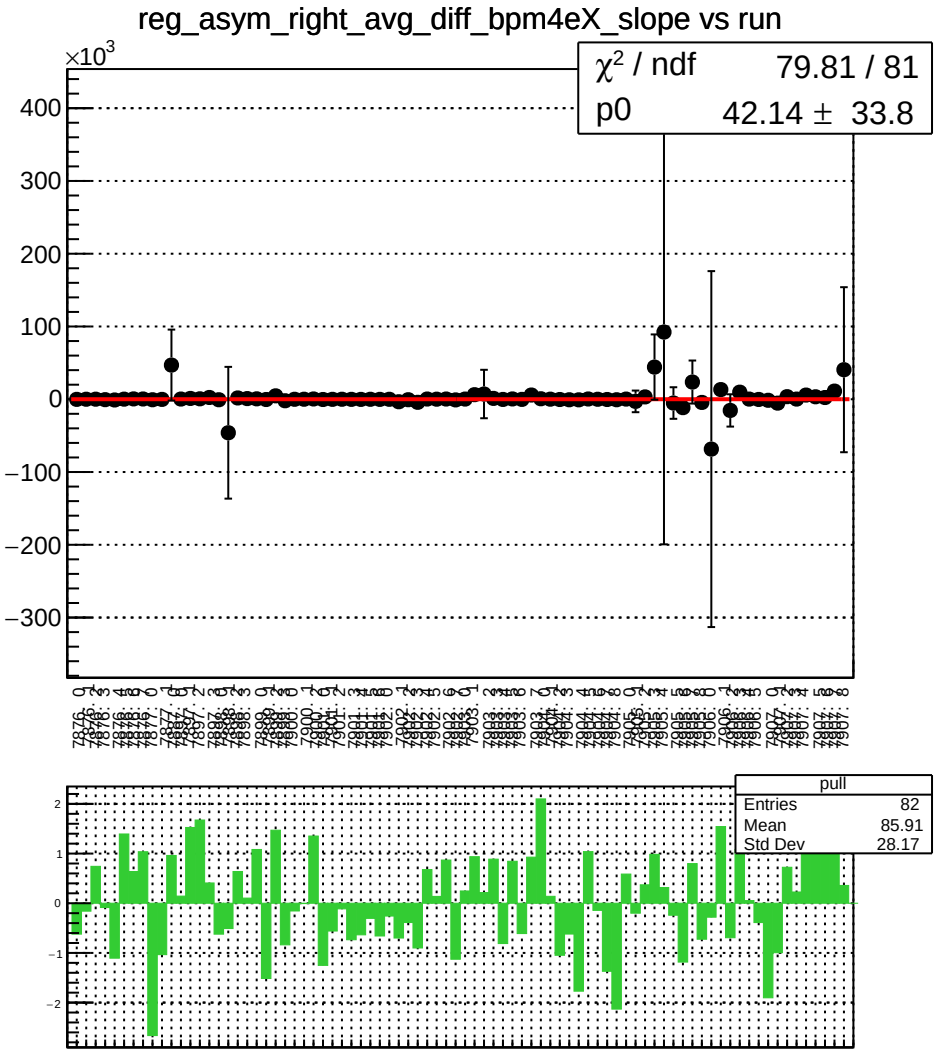

pull1D
Entries 82
Mean −0.05
Std Dev 2.331

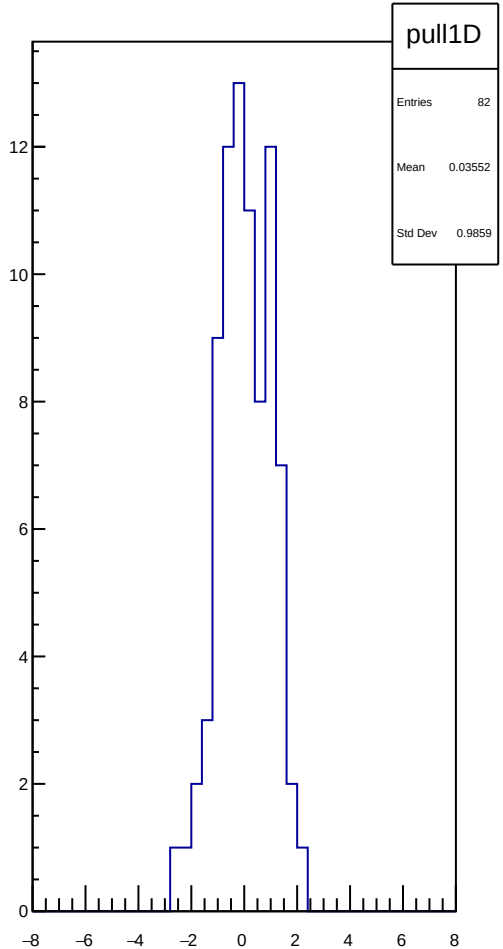

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 78.36 / 81
p0 −7.612 ± 42.38
pull
Entries 82
Mean 82.27
Std Dev 29.08

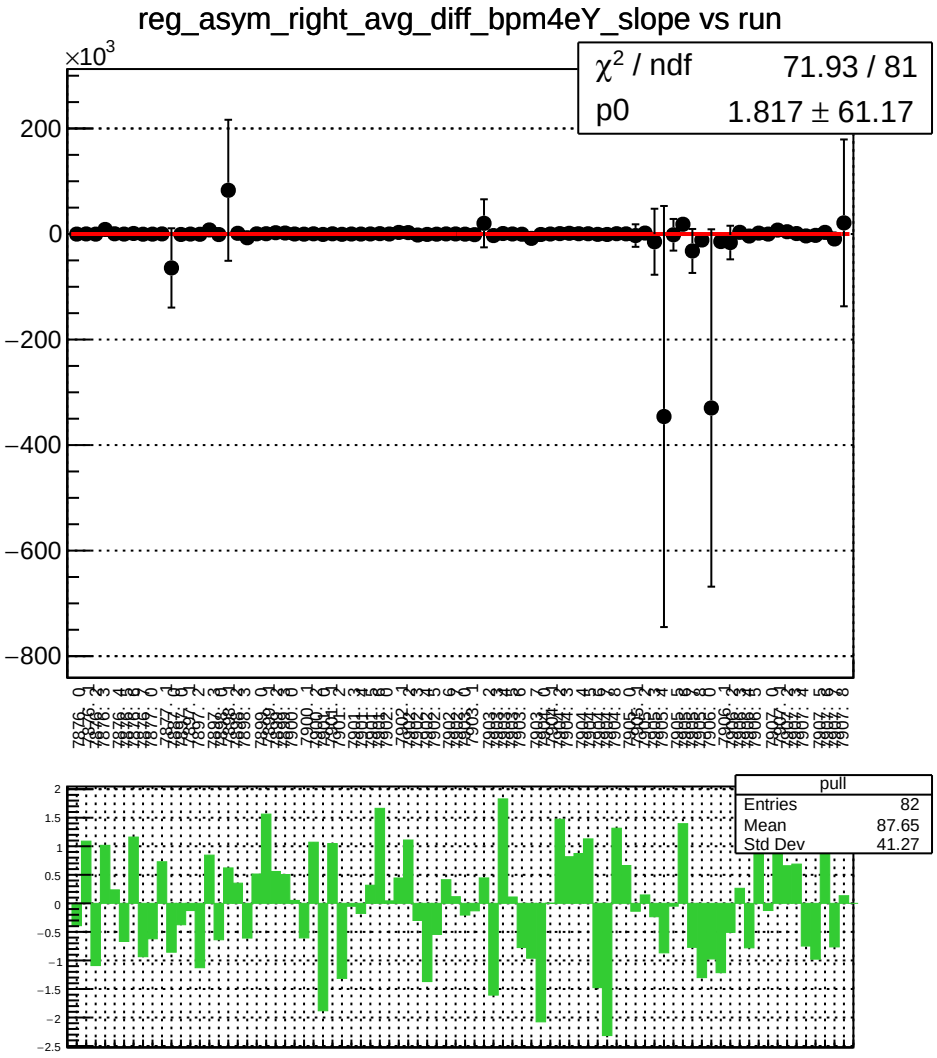

pull1D
Entries 82
Mean −0.04034
Std Dev 0.9767

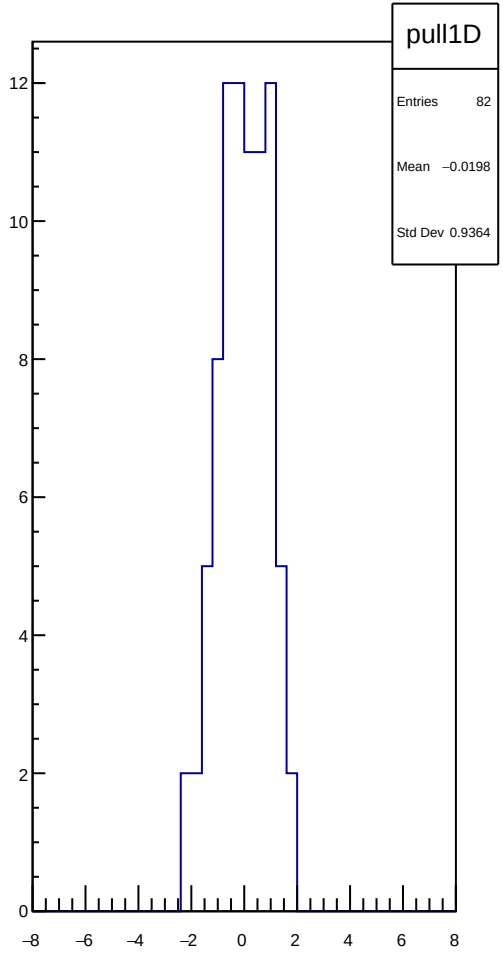

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 70.86 / 81
p0 −2.733 ± 47.82
600
400
200
0
−200
pull
Entries 82
Mean 111.5
Std Dev 69.33
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

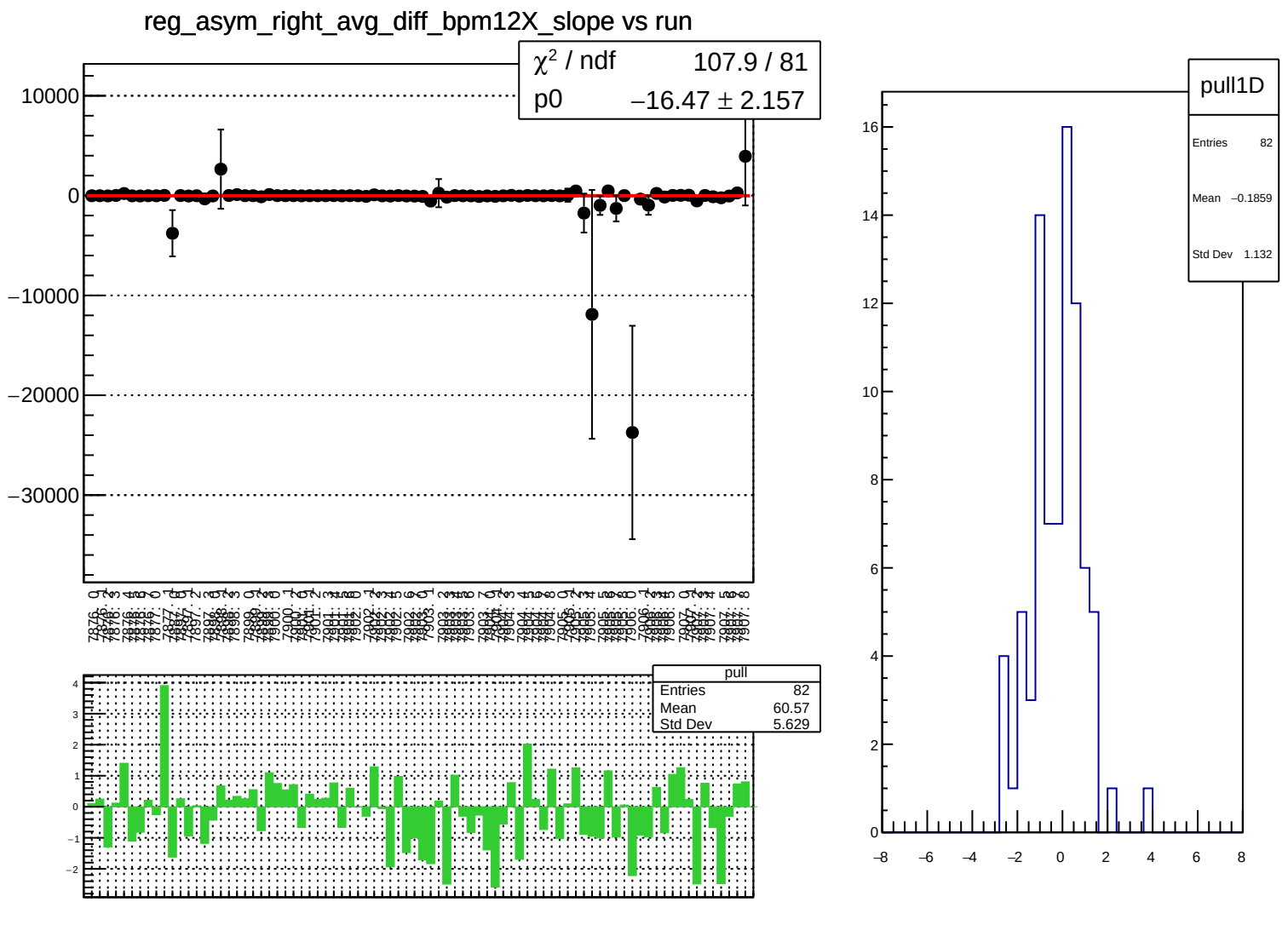

pull1D
Entries 82
Mean 0.01599
Std Dev 0.9294
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

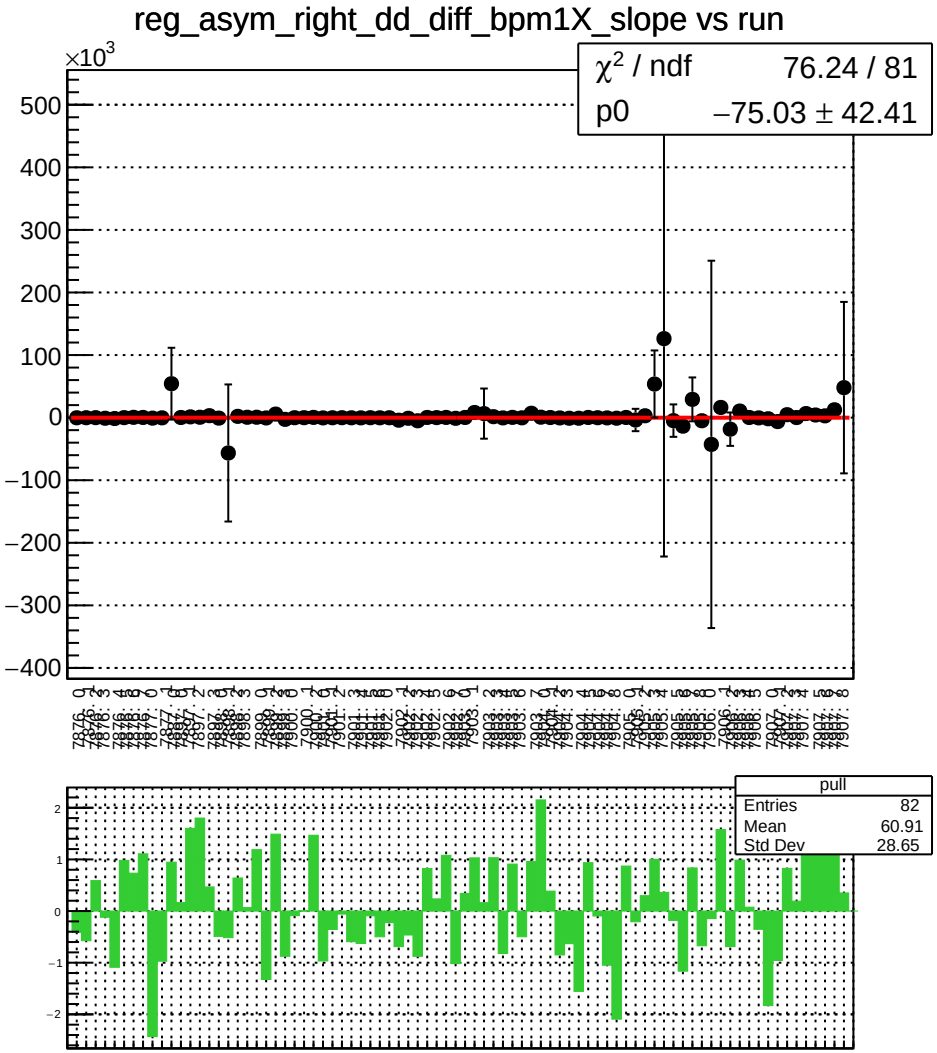

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 79.81 / 81
p0 42.14 ± 33.8
pull
Entries 82
Mean 85.91
Std Dev 28.17

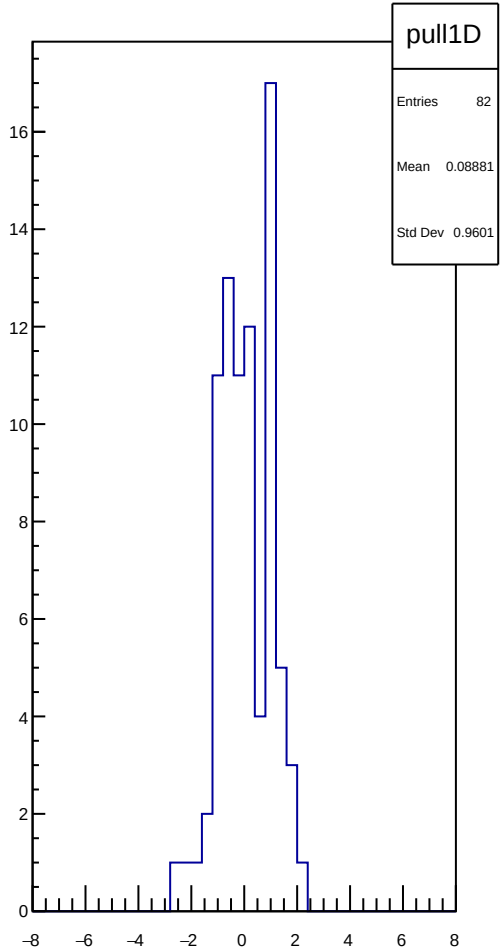

pull1D
Entries 82
Mean 0.03552
Std Dev 0.9859

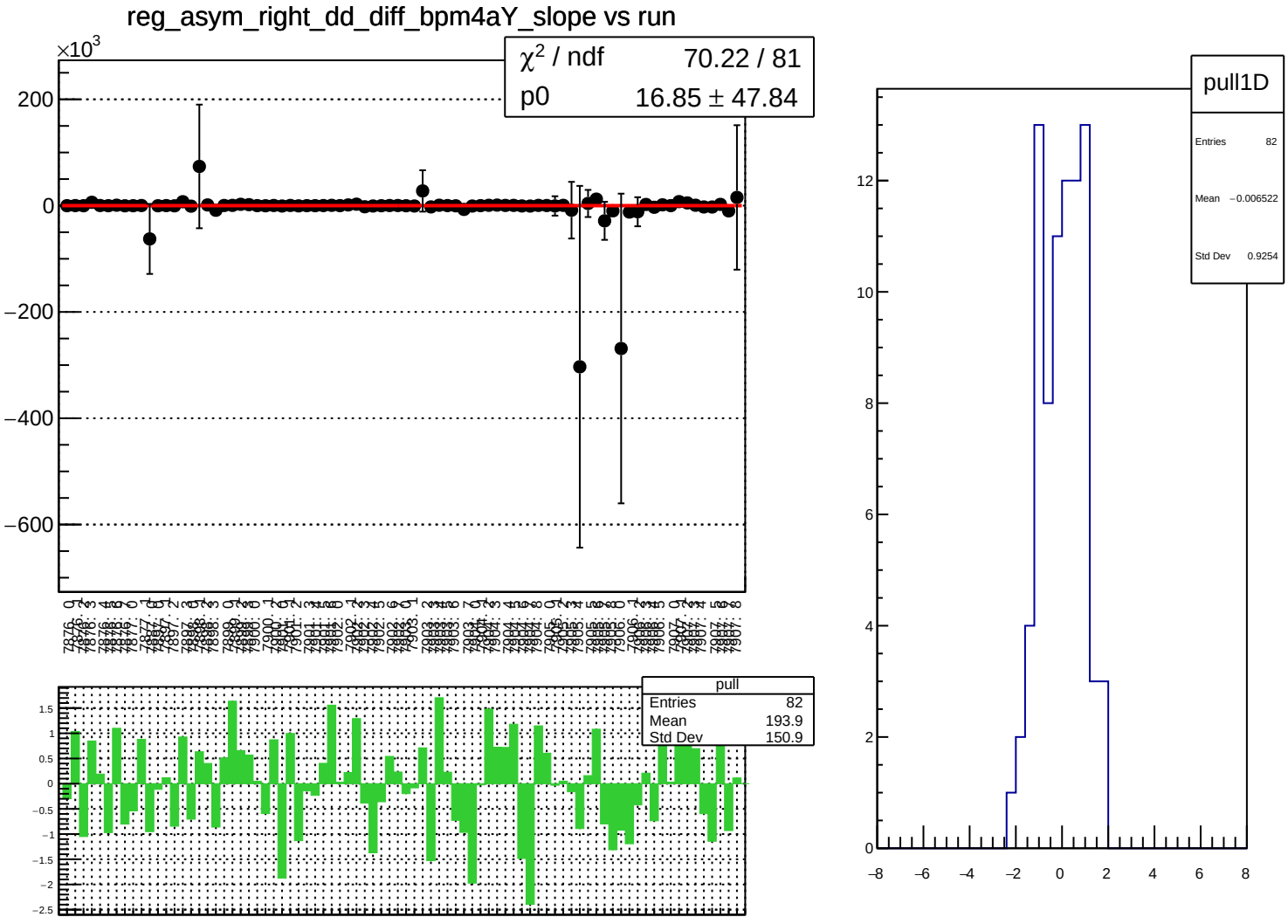

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 71.93 / 81
p0 1.817 ± 61.17
pull
Entries 82
Mean 87.65
Std Dev 41.27

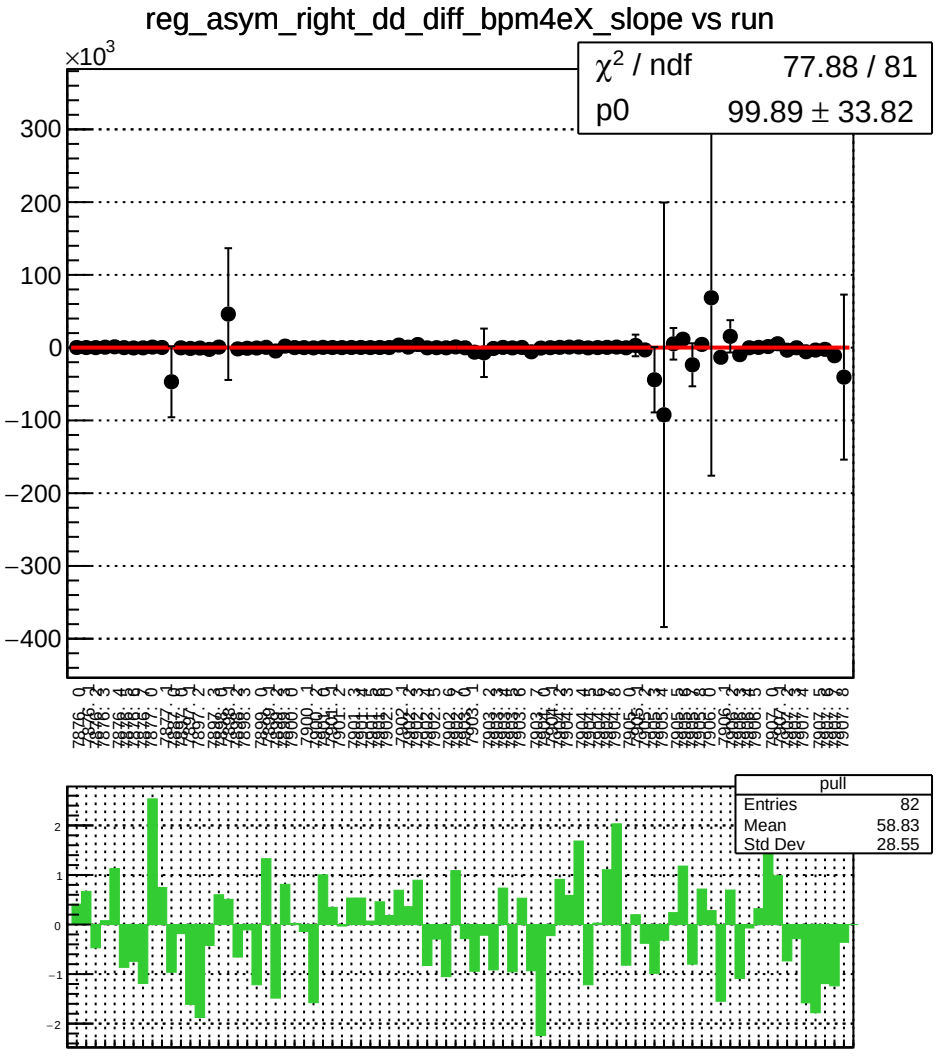

pull1D
Entries 82
Mean −0.0198
Std Dev 0.9364

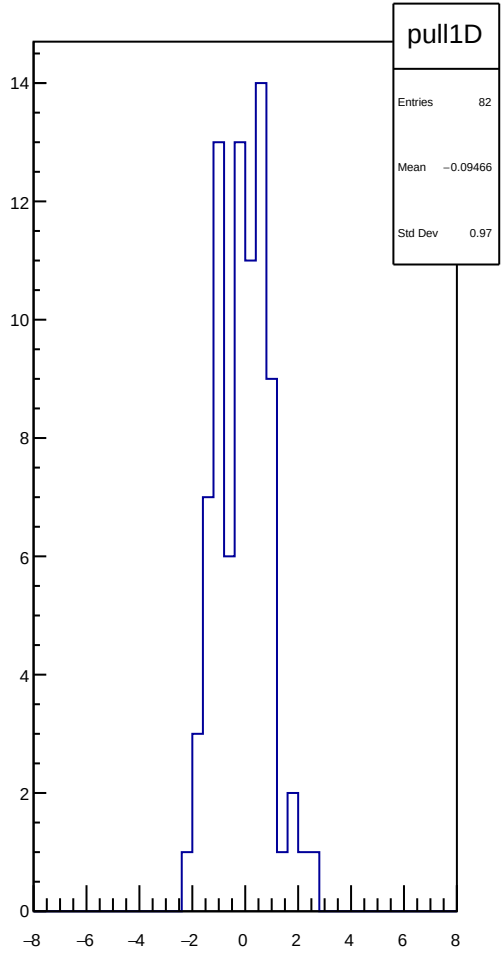

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 107.9 / 81
p0 −16.47 ± 2.157
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 60.57
Std Dev 5.629
pull1D
Entries 82
Mean −0.1859
Std Dev 1.132

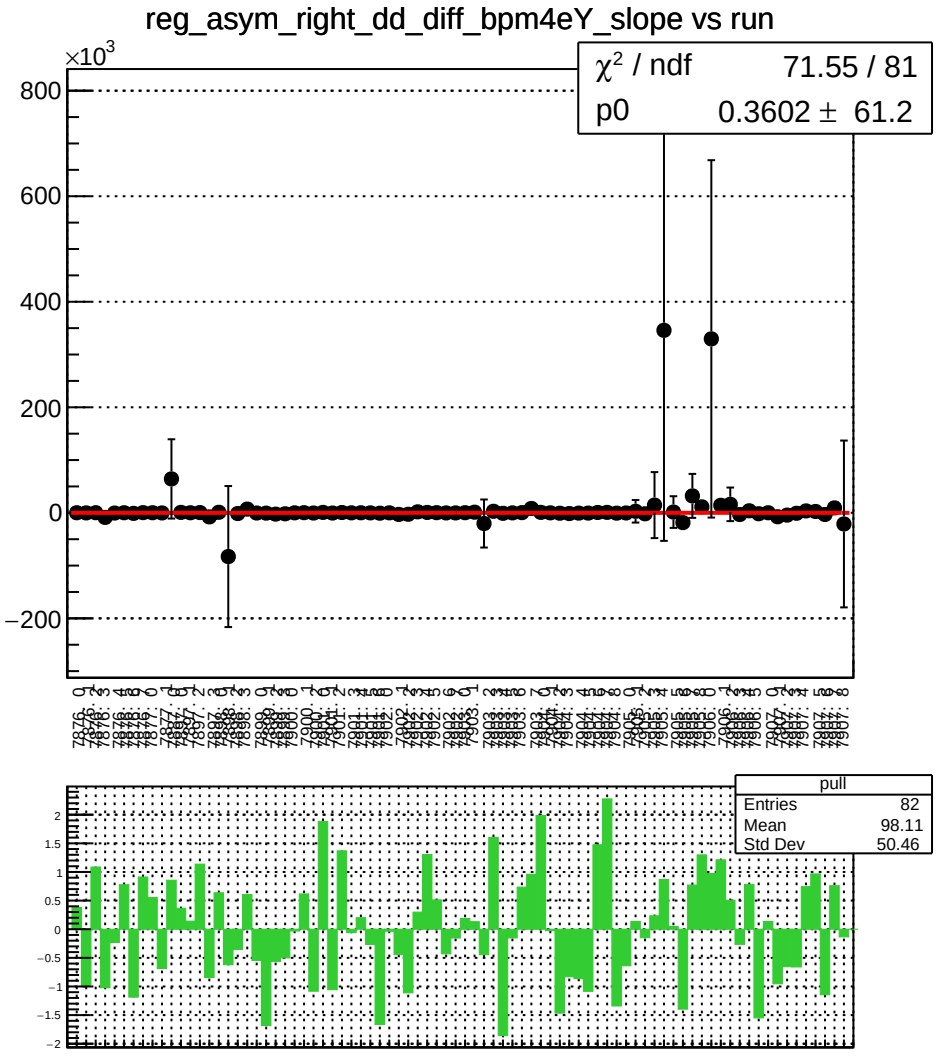

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 76.24 / 81
p0 −75.03 ± 42.41
pull
Entries 82
Mean 60.91
Std Dev 28.65

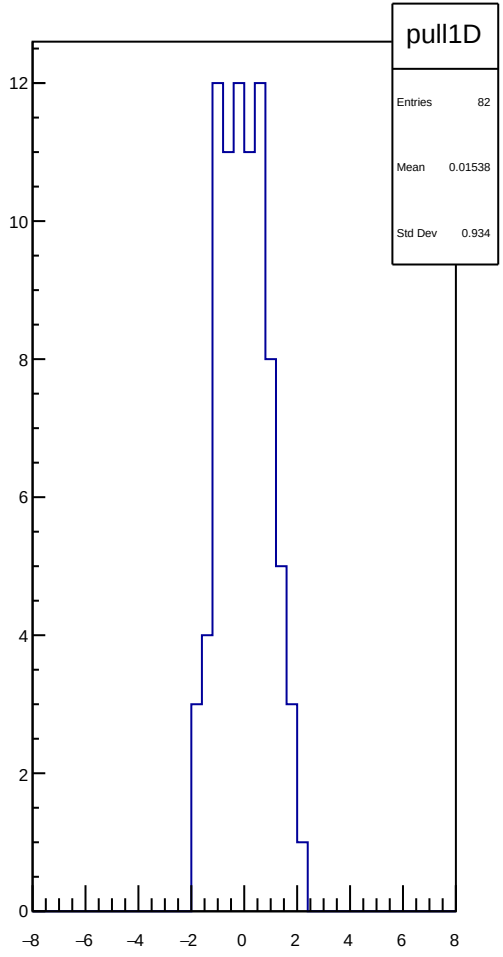

pull1D
Entries 82
Mean 0.08881
Std Dev 0.9601

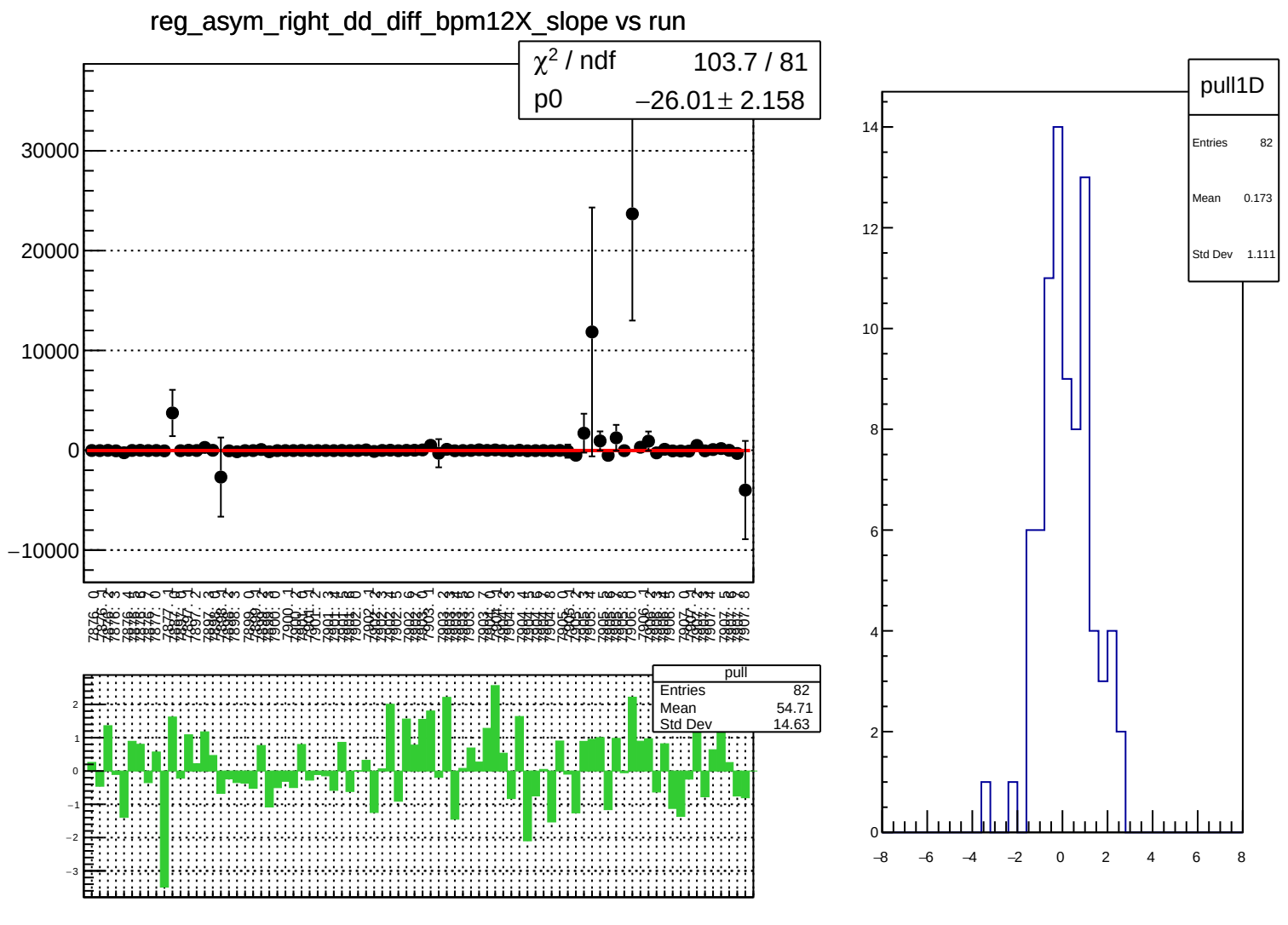

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 70.22 / 81
p0 16.85 ± 47.84
200
0
−200
−400
−600
pull
Entries 82
Mean 193.9
Std Dev 150.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.006522
Std Dev 0.9254
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

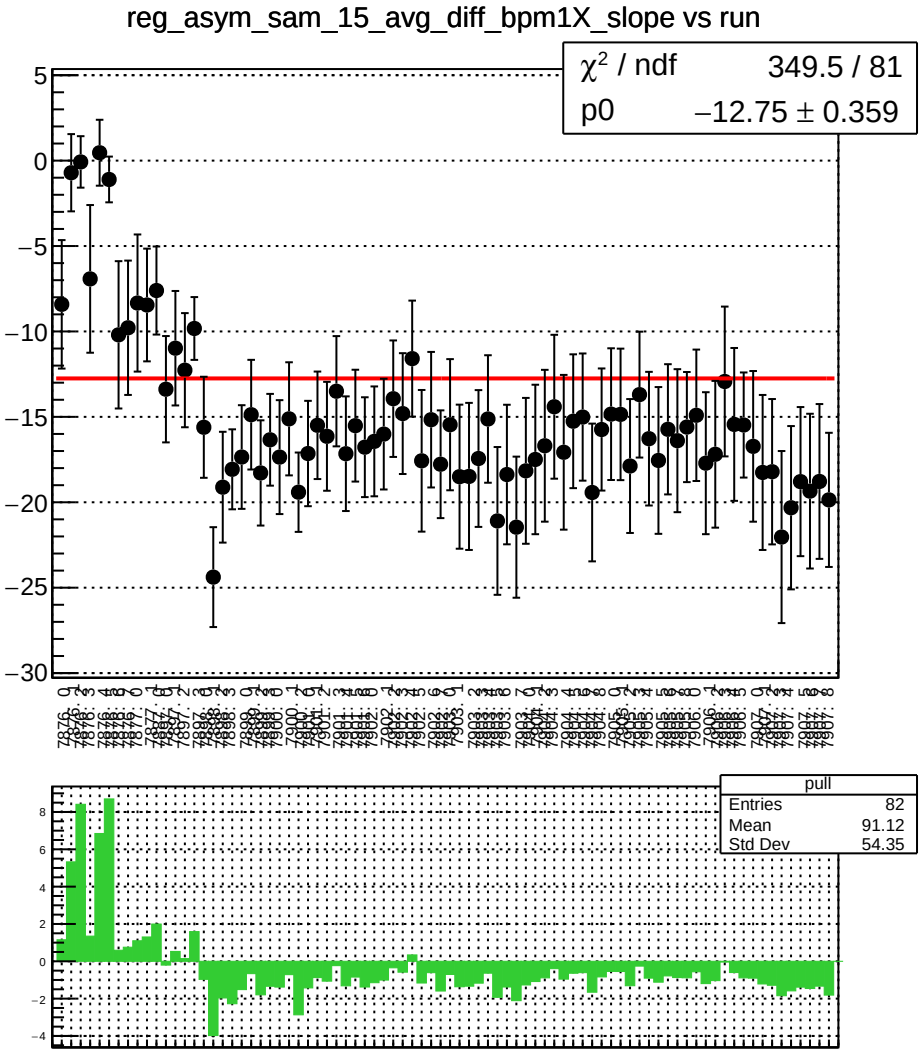

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 77.88 / 81
p0 99.89 ± 33.82
pull
Entries 82
Mean 58.83
Std Dev 28.55

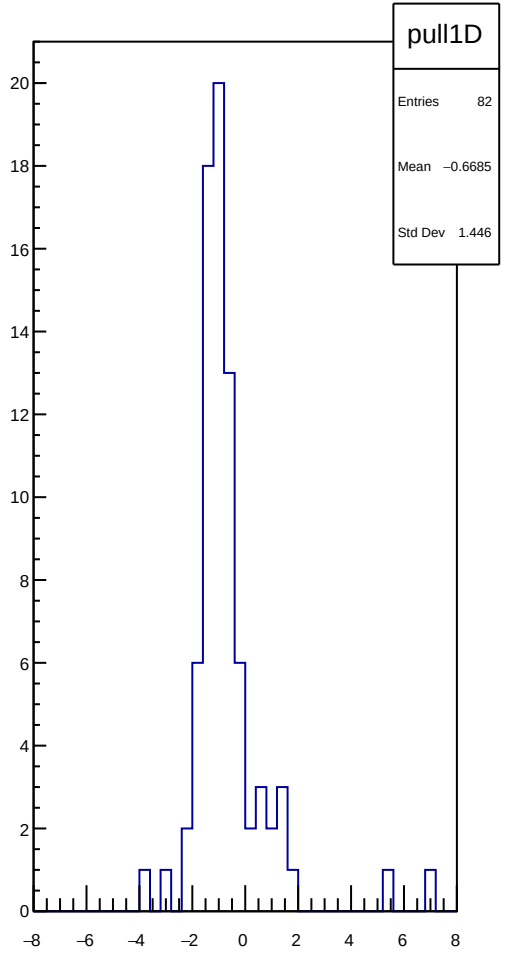

pull1D
Entries 82
Mean −0.09466
Std Dev 0.97

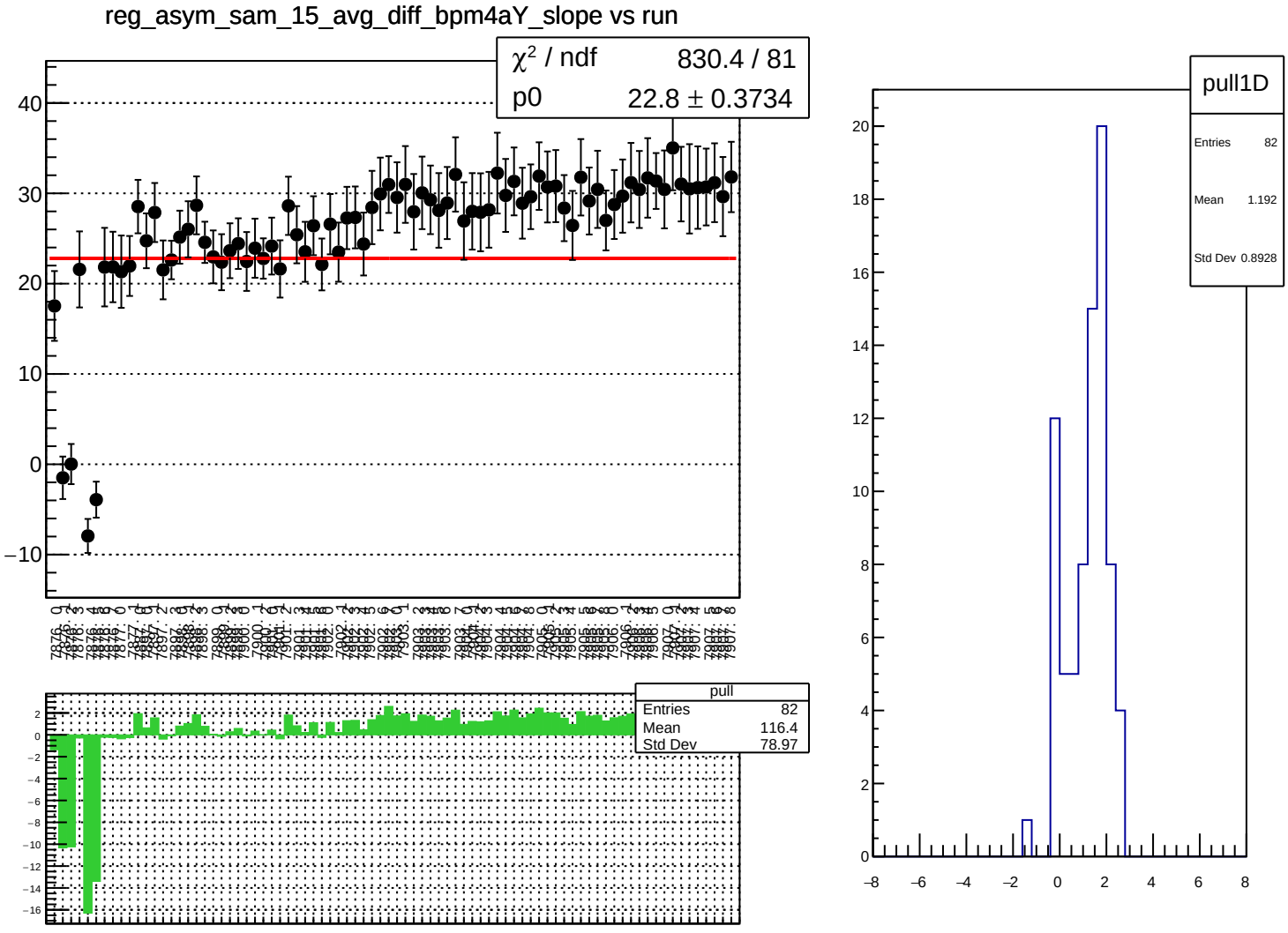

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 71.55 / 81
p0 0.3602 ± 61.2
pull
Entries 82
Mean 98.11
Std Dev 50.46

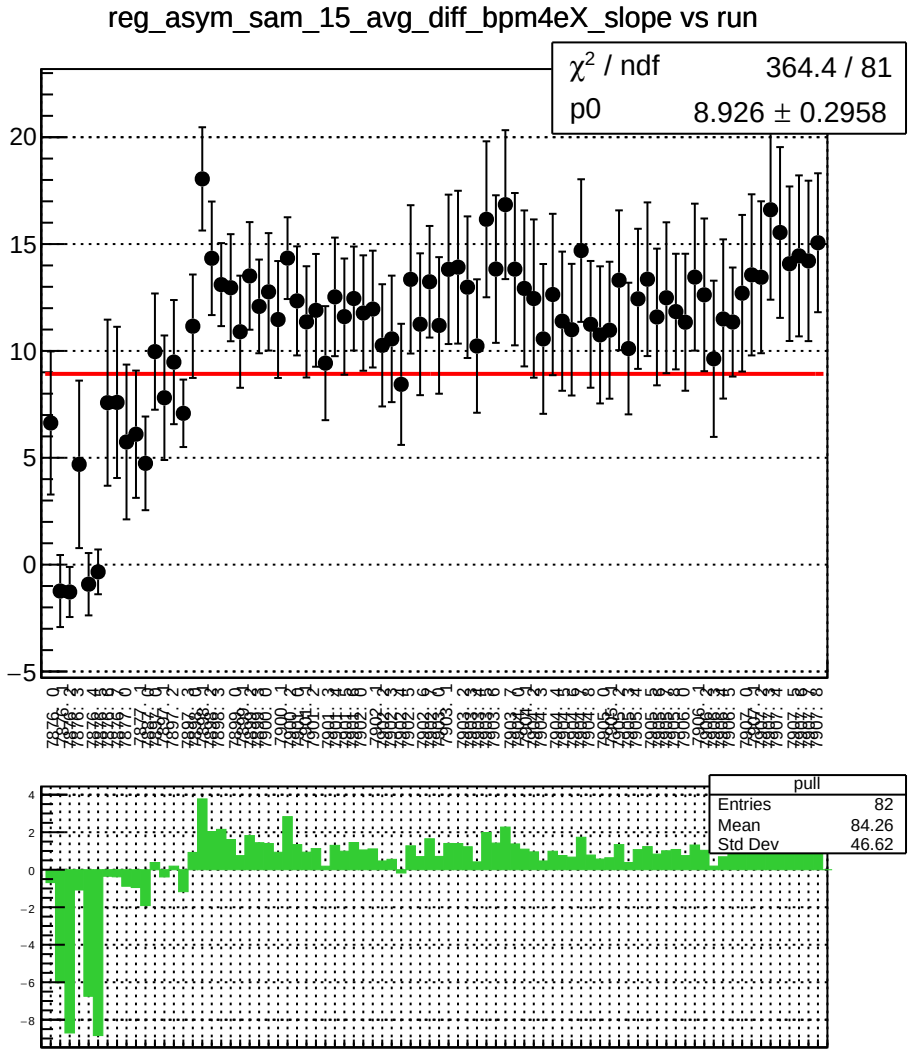

pull1D
Entries 82
Mean 0.01538
Std Dev 0.934

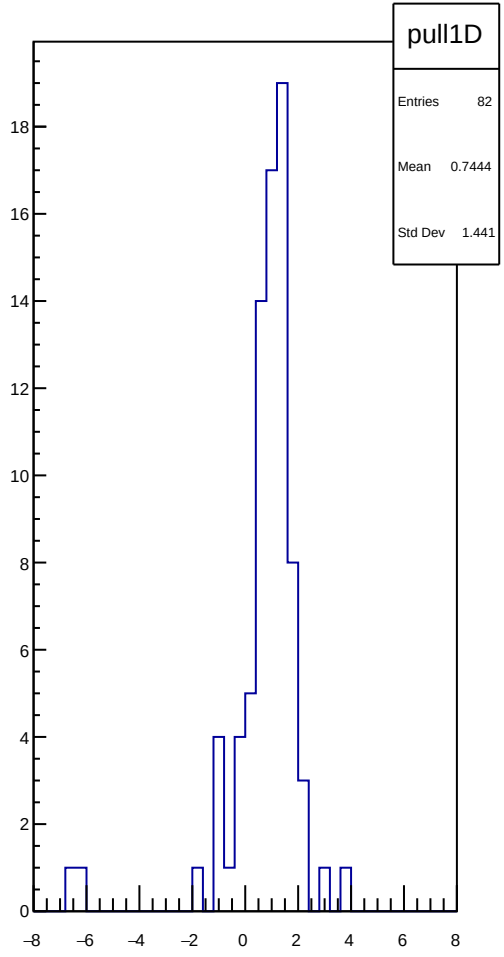

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 103.7 / 81
p0 −26.01 ± 2.158
30000
20000
10000
0
−10000
pull
Entries 82
Mean 54.71
Std Dev 14.63
pull1D
Entries 82
Mean 0.173
Std Dev 1.111

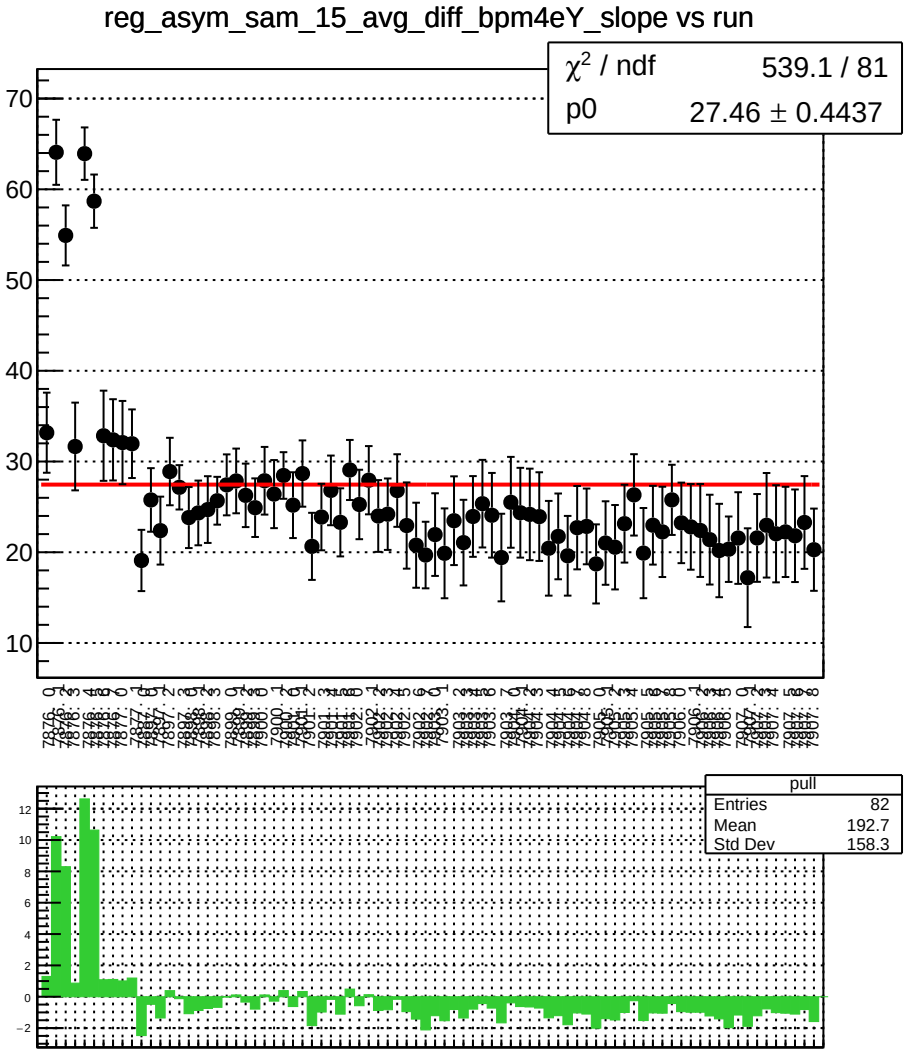

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 349.5 / 81
p0 −12.75 ± 0.359
pull
Entries 82
Mean 91.12
Std Dev 54.35

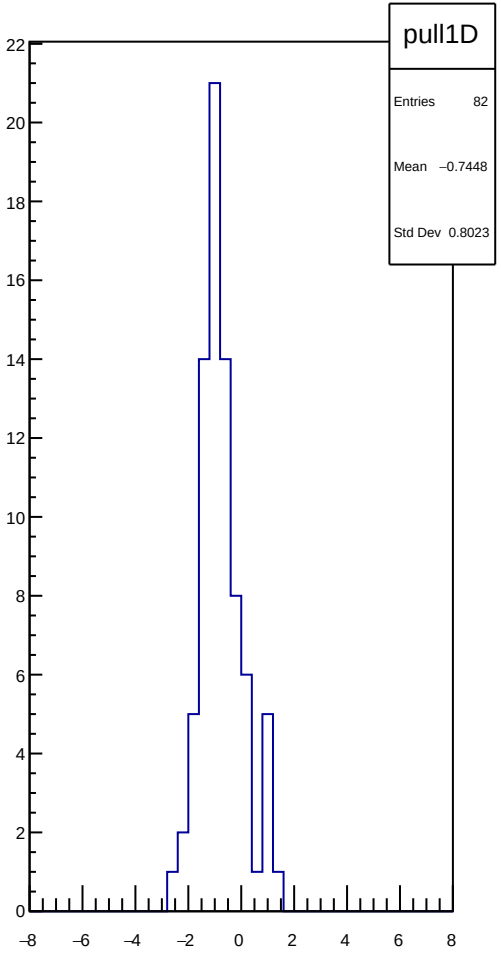

pull1D
Entries 82
Mean −0.6685
Std Dev 1.446

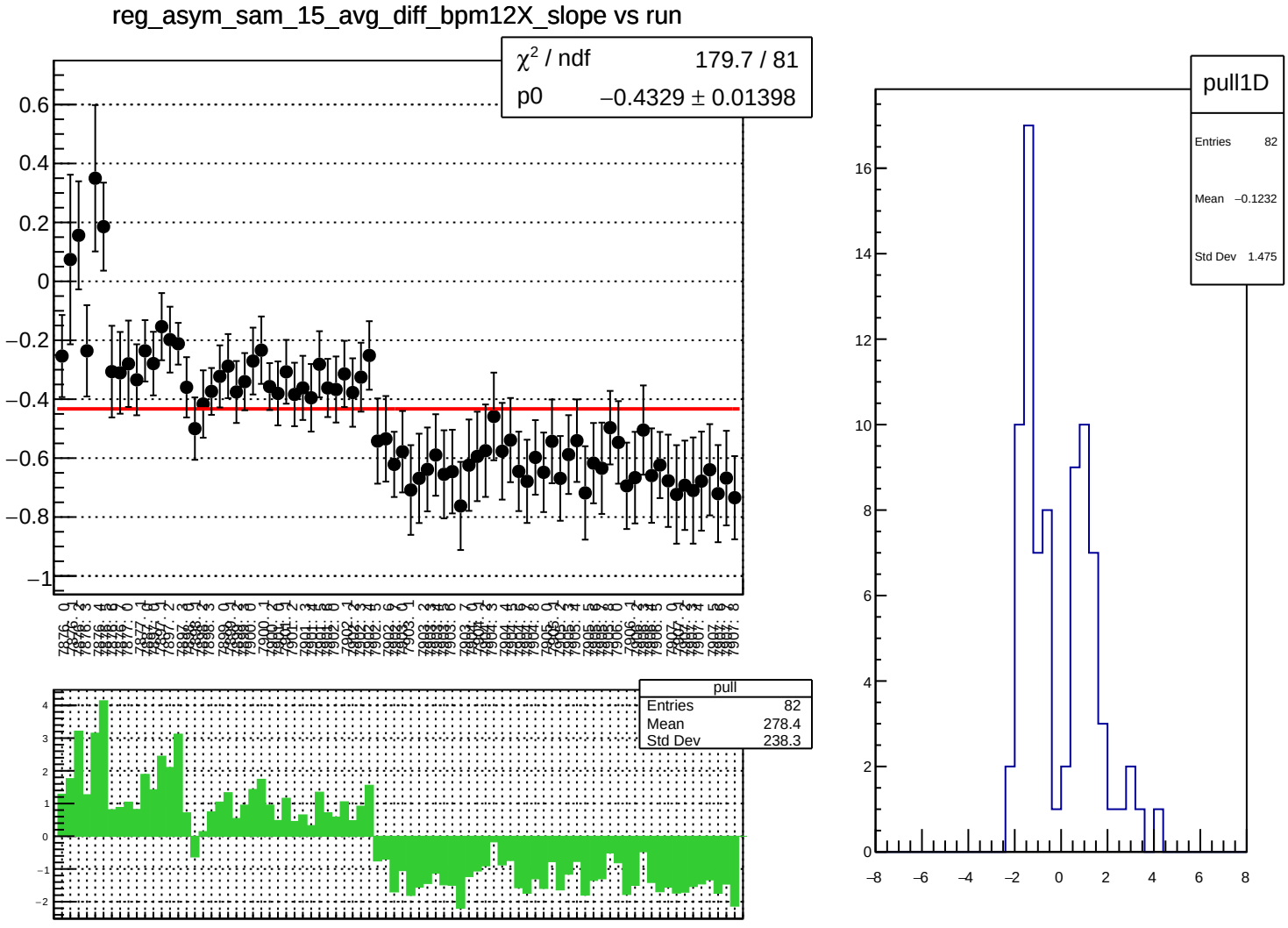

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 830.4 / 81
p0 22.8 ± 0.3734
pull
Entries 82
Mean 116.4
Std Dev 78.97
pull1D
Entries 82
Mean 1.192
Std Dev 0.8928

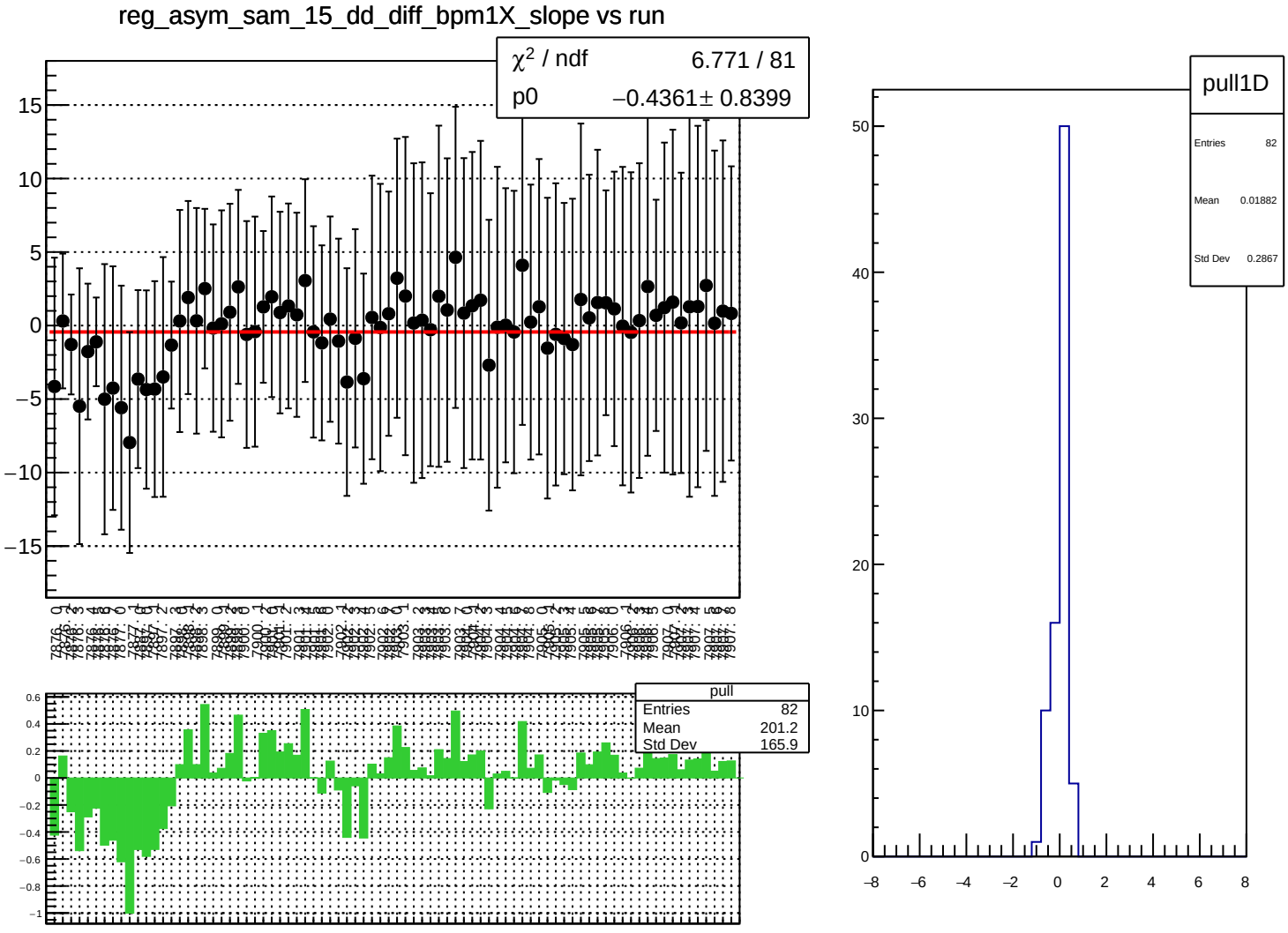

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 364.4 / 81
p0 8.926 ± 0.2958
pull
Entries 82
Mean 84.26
Std Dev 46.62

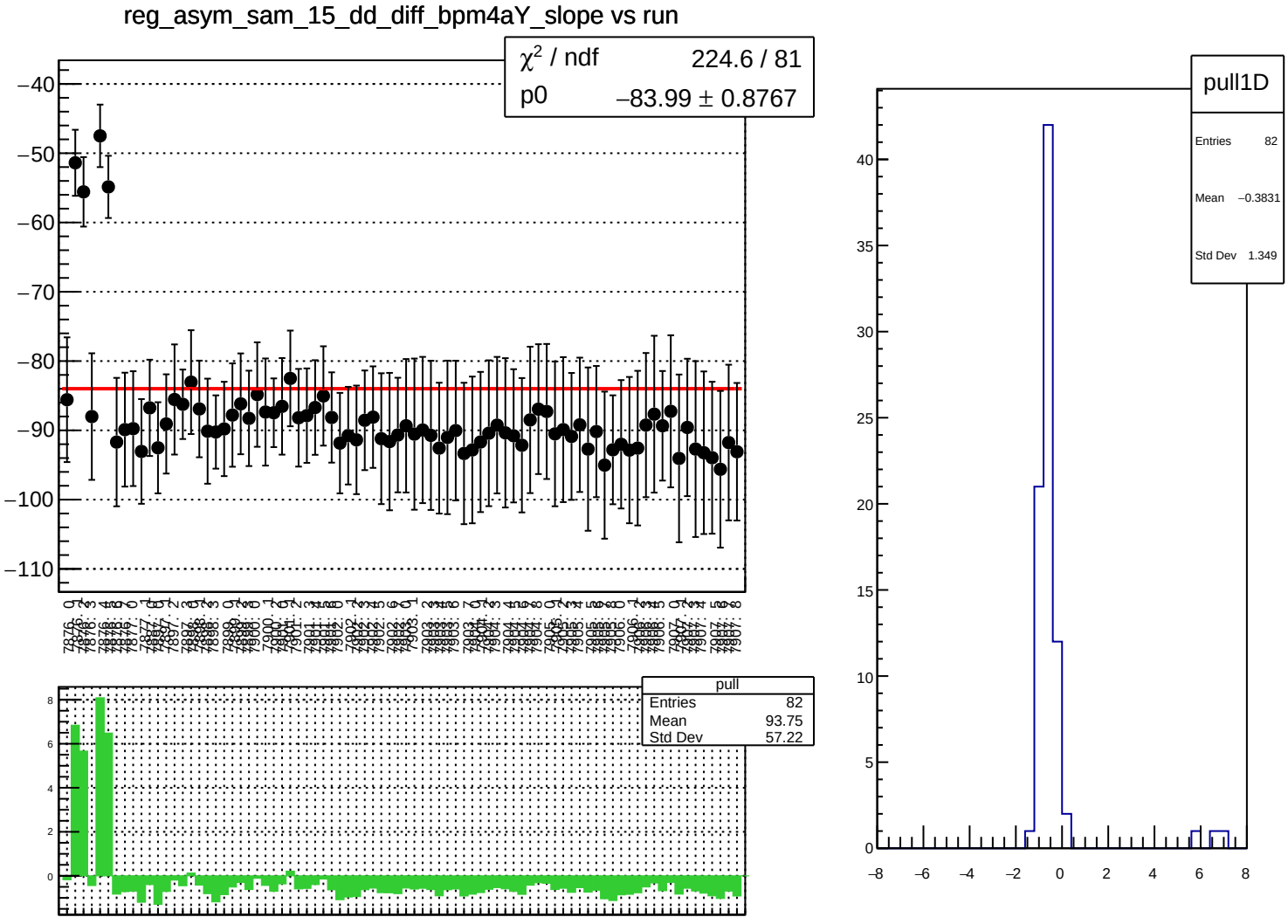

pull1D
Entries 82
Mean 0.7444
Std Dev 1.441

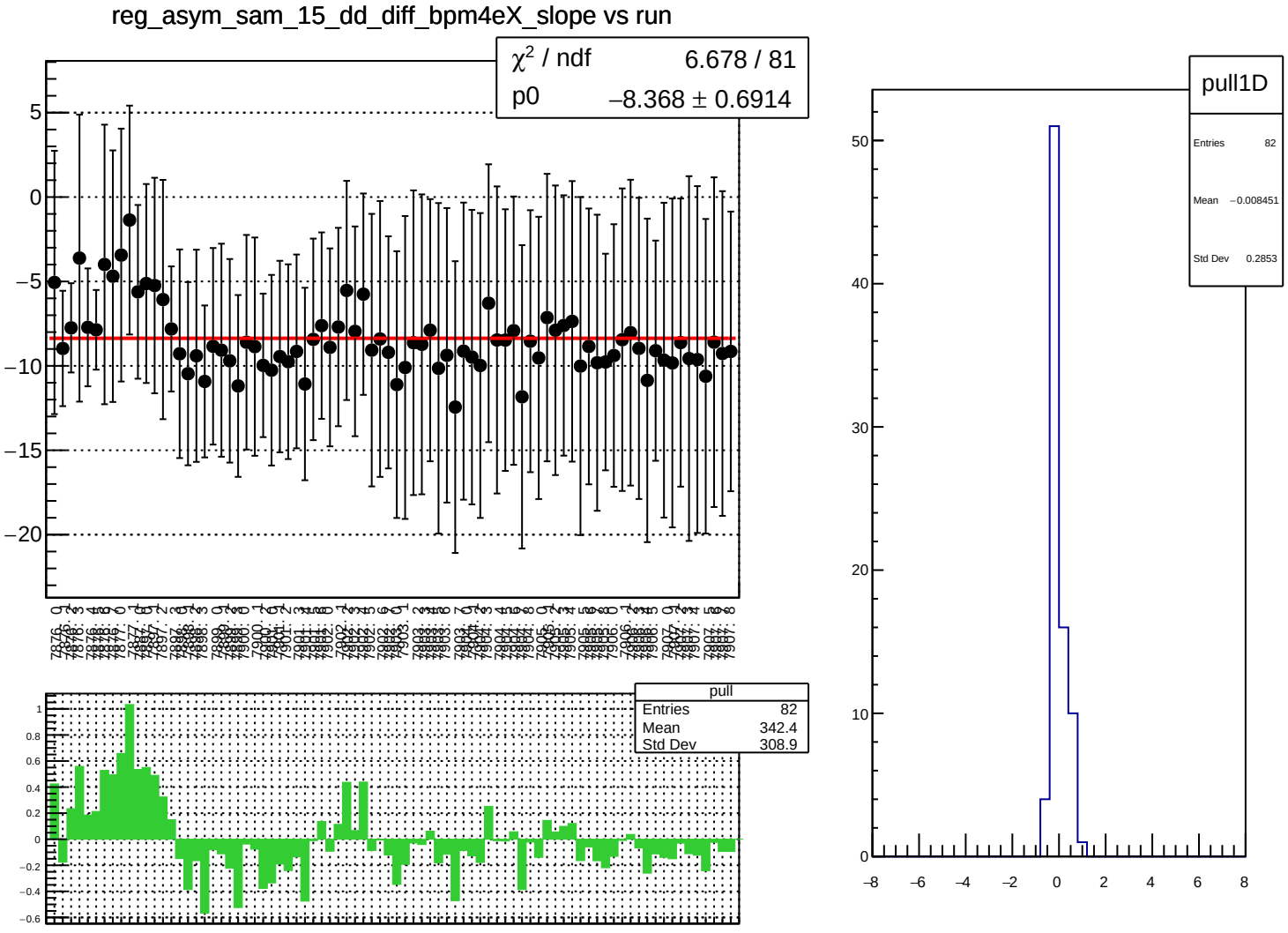

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 539.1 / 81
p0 27.46 ± 0.4437
pull
Entries 82
Mean 192.7
Std Dev 158.3

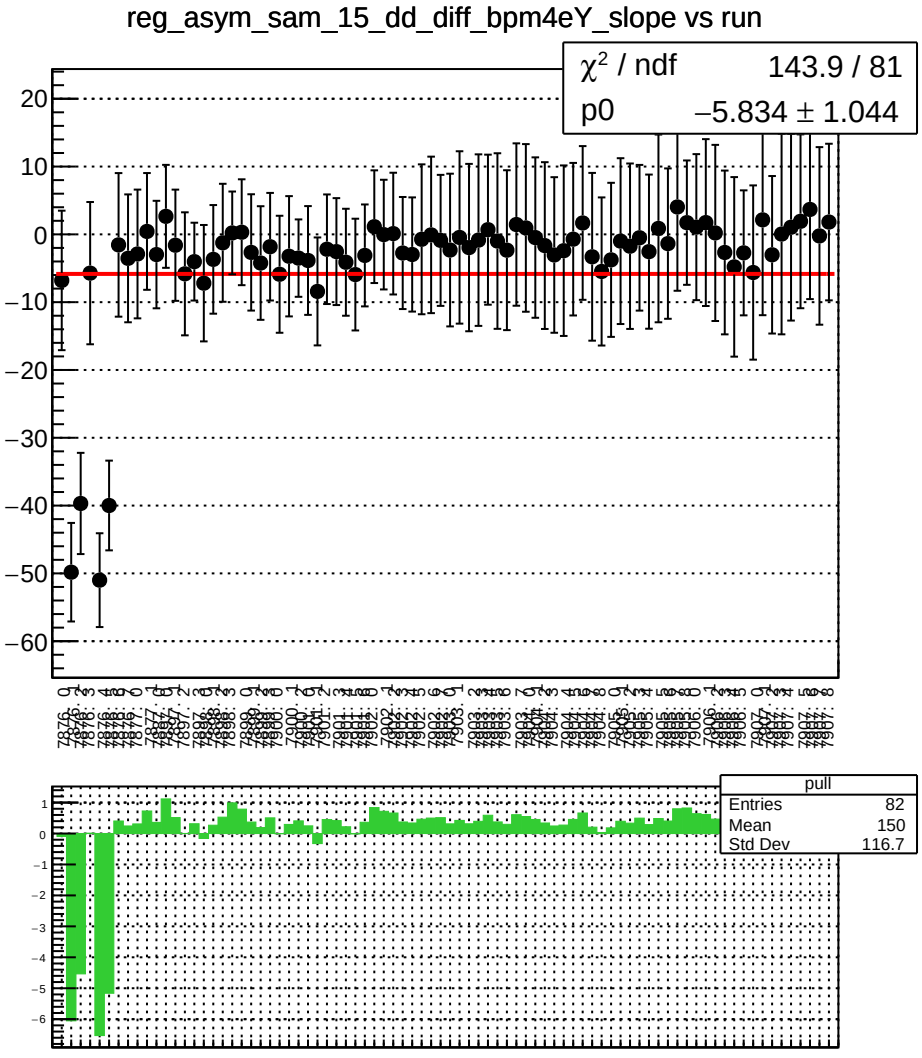

pull1D
Entries 82
Mean −0.7448
Std Dev 0.8023

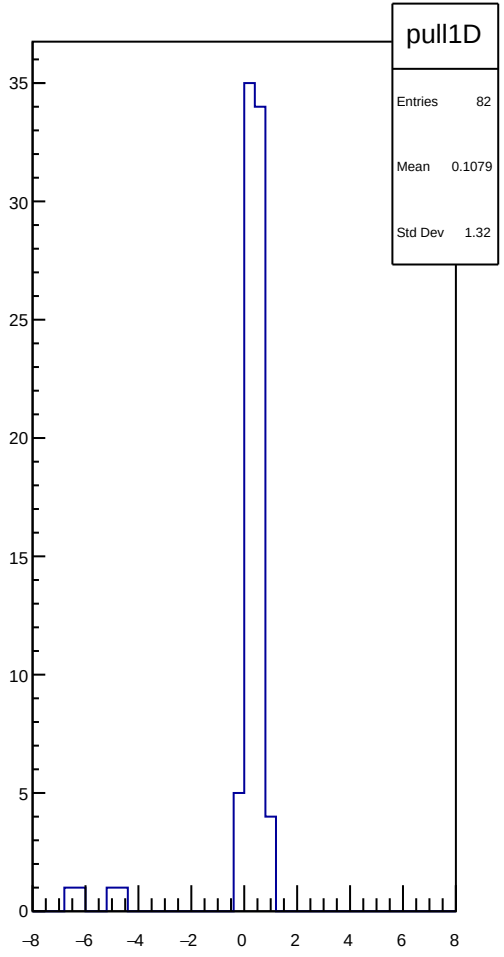

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 179.7 / 81
p0 −0.4329 ± 0.01398
pull
Entries 82
Mean 278.4
Std Dev 238.3
pull1D
Entries 82
Mean −0.1232
Std Dev 1.475

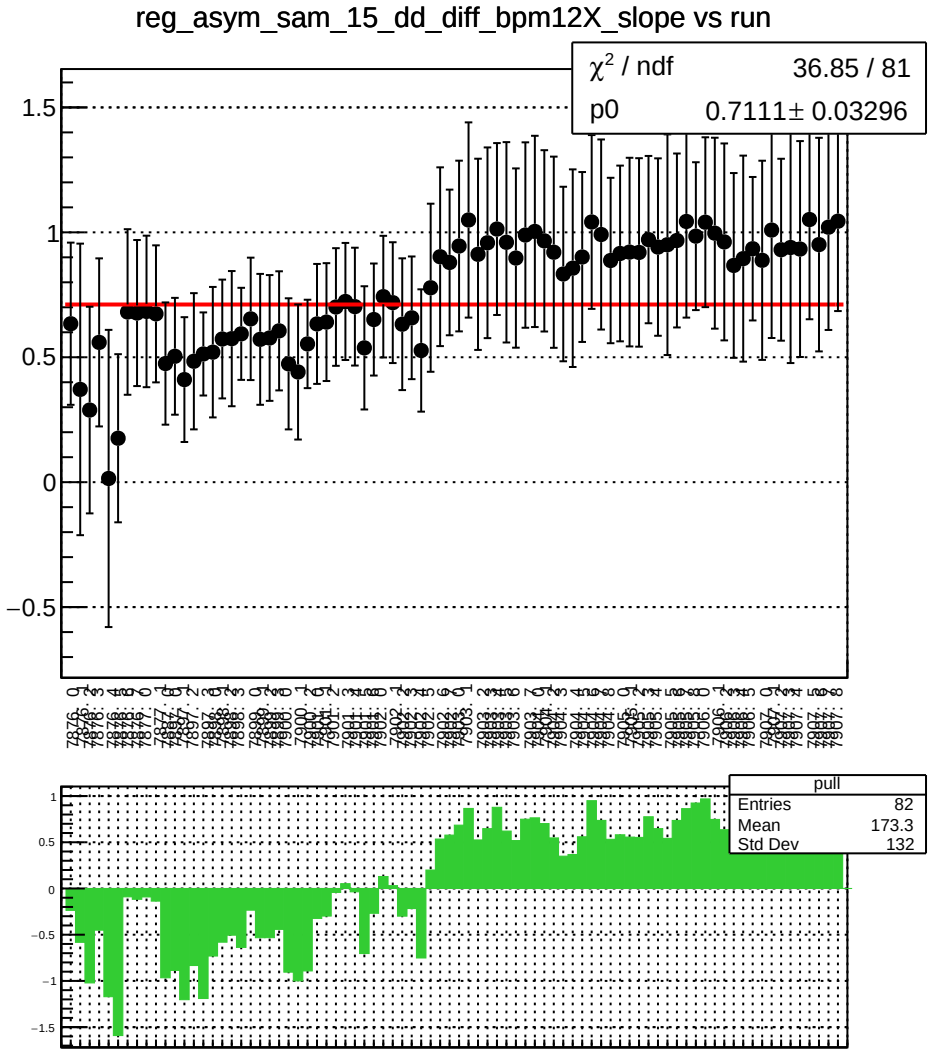

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 6.771 / 81
p0 −0.4361 ± 0.8399
pull
Entries 82
Mean 201.2
Std Dev 165.9
pull1D
Entries 82
Mean 0.01882
Std Dev 0.2867

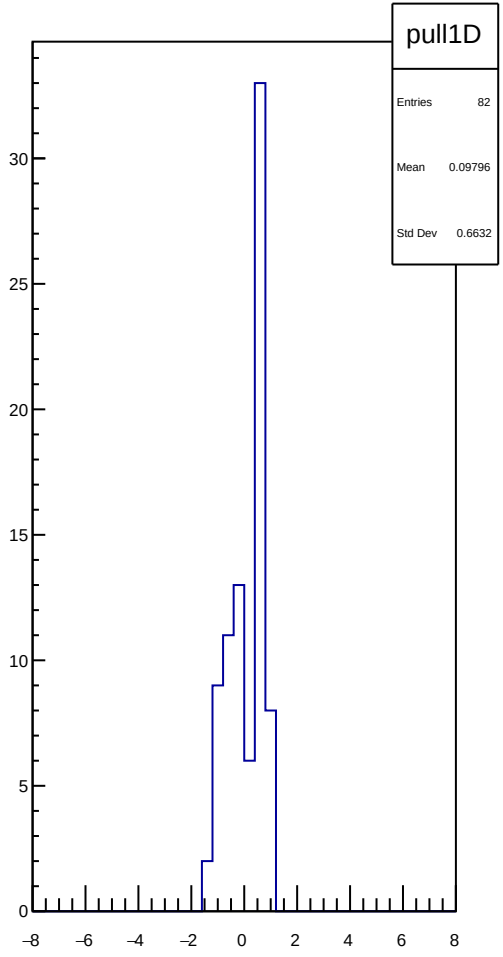

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 224.6 / 81
p0 −83.99 ± 0.8767
pull
Entries 82
Mean 93.75
Std Dev 57.22
pull1D
Entries 82
Mean −0.3831
Std Dev 1.349

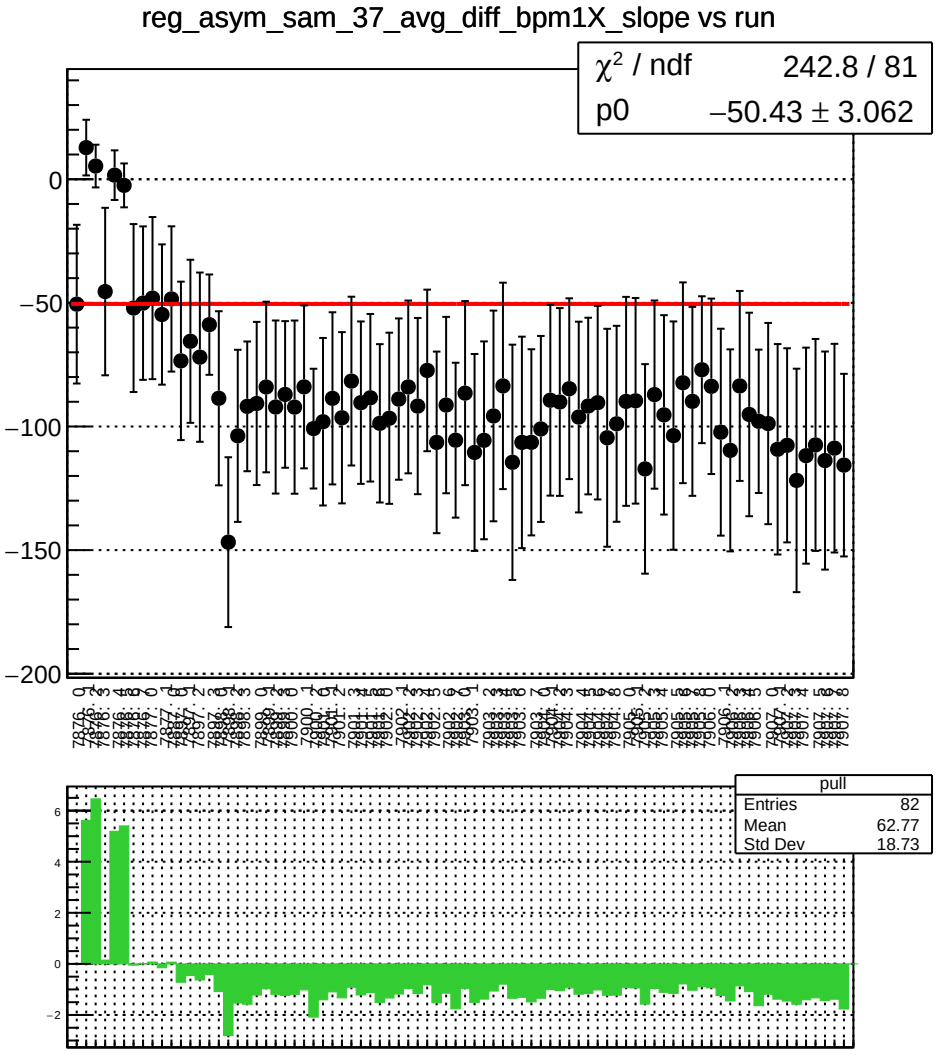

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.678 / 81
p0 −8.368 ± 0.6914
pull
Entries 82
Mean 342.4
Std Dev 308.9
pull1D
Entries 82
Mean −0.008451
Std Dev 0.2853

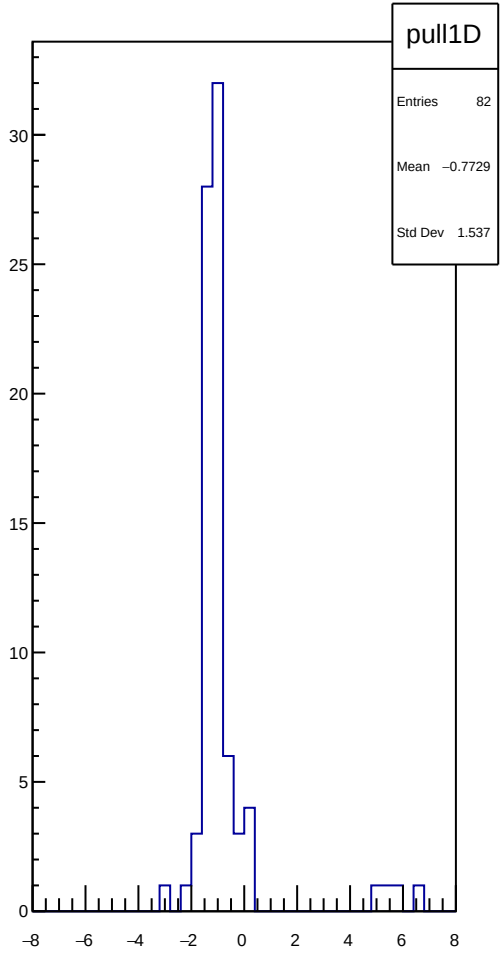

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 143.9 / 81
p0 −5.834 ± 1.044
pull
Entries 82
Mean 150
Std Dev 116.7

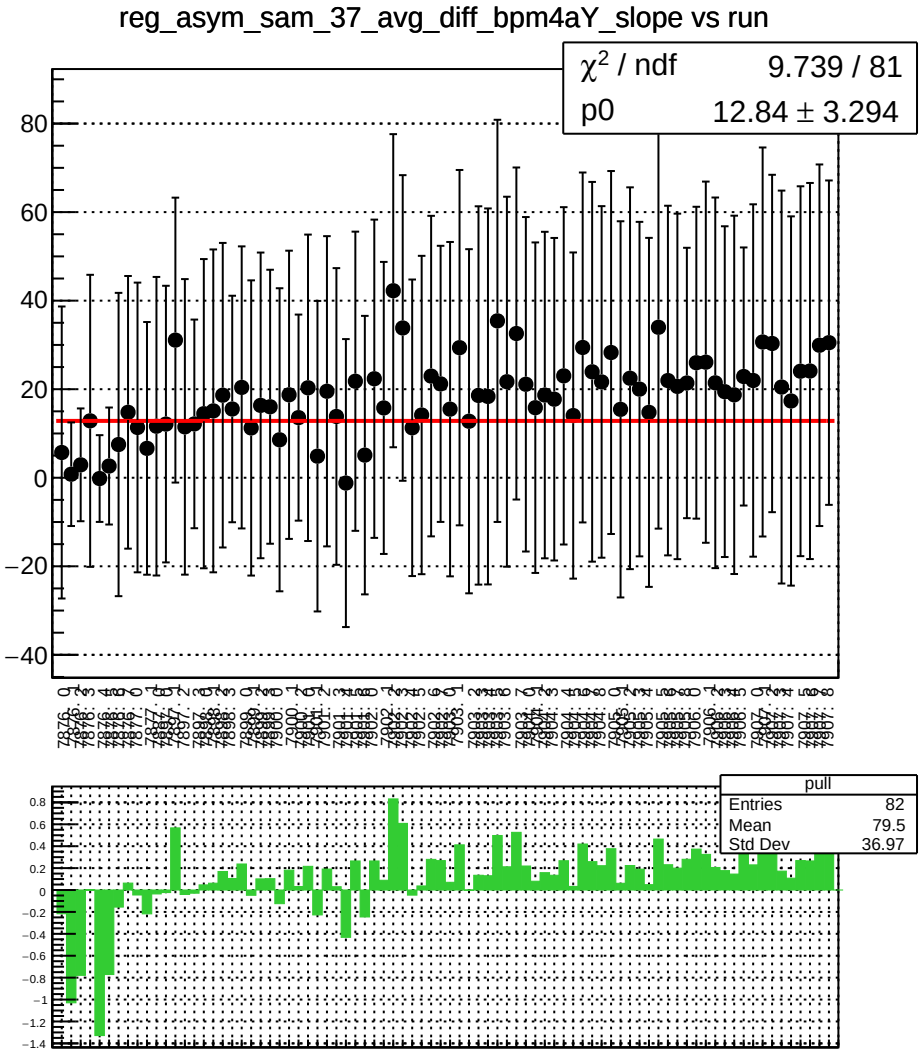

pull1D
Entries 82
Mean 0.1079
Std Dev 1.32

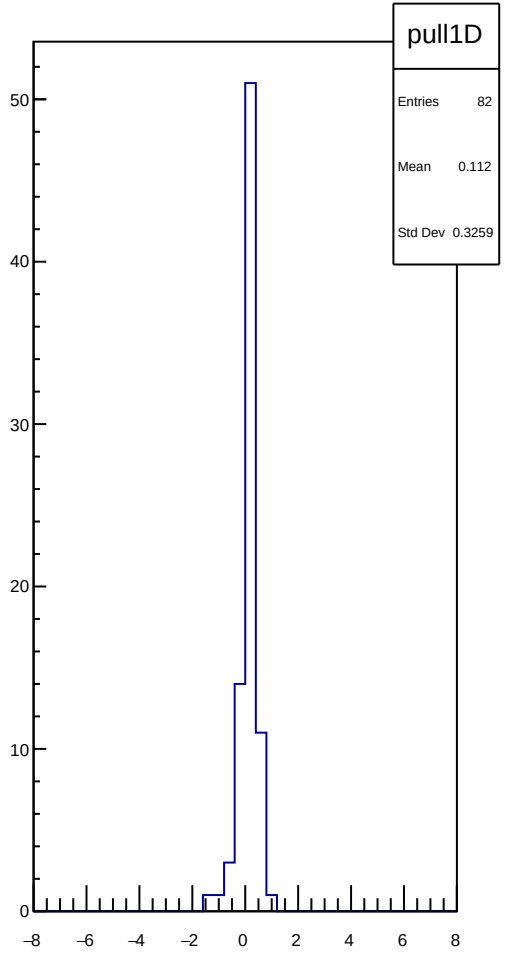

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 36.85 / 81
p0 0.7111± 0.03296
pull
Entries 82
Mean 173.3
Std Dev 132

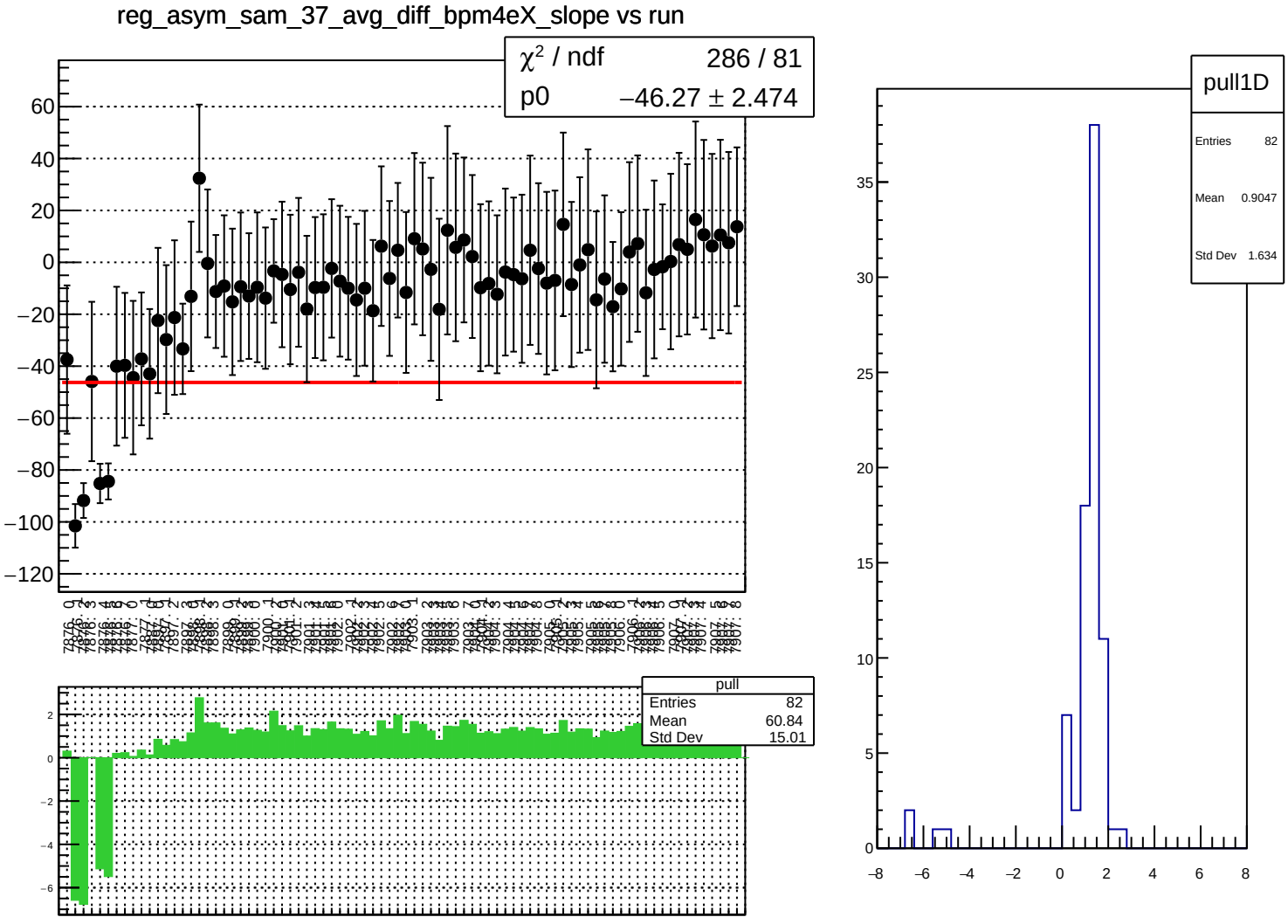

pull1D
Entries 82
Mean 0.09796
Std Dev 0.6632

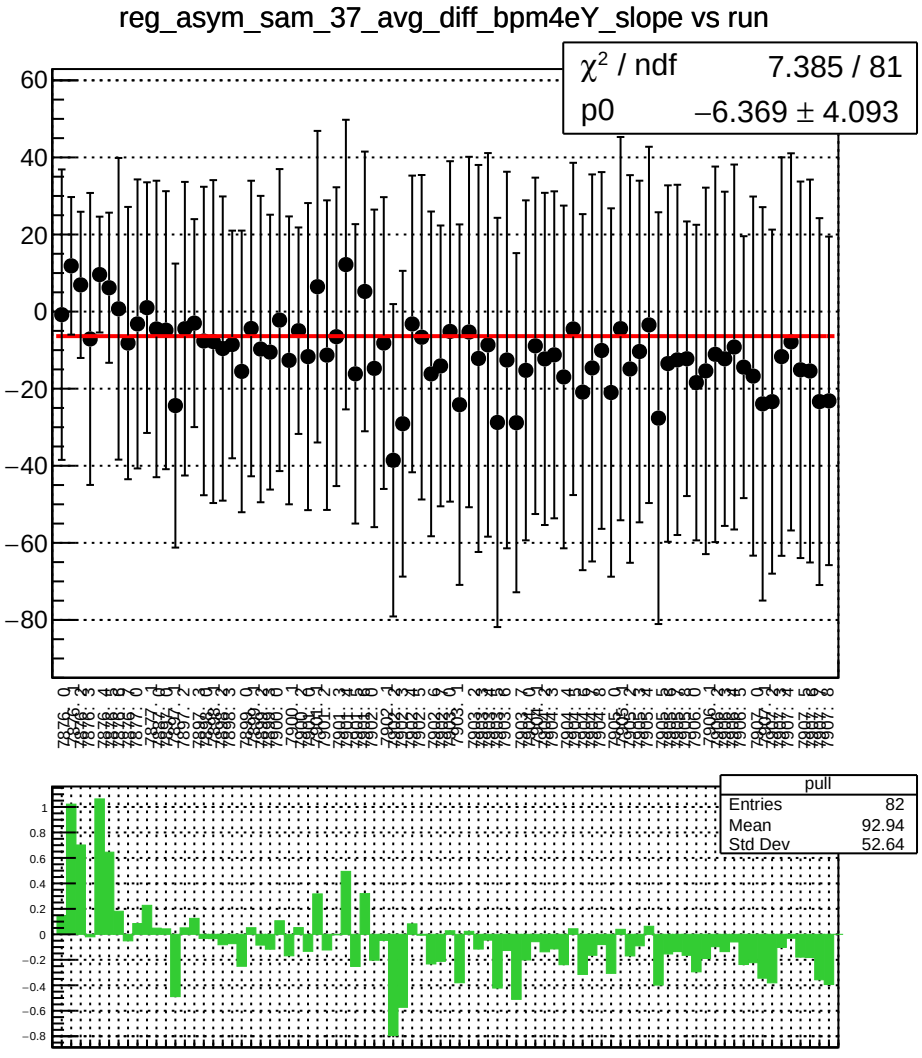

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 242.8 / 81
p0 −50.43 ± 3.062
0
−50
−100
−150
−200
pull
Entries 82
Mean 62.77
Std Dev 18.73
6
4
2
0
−2

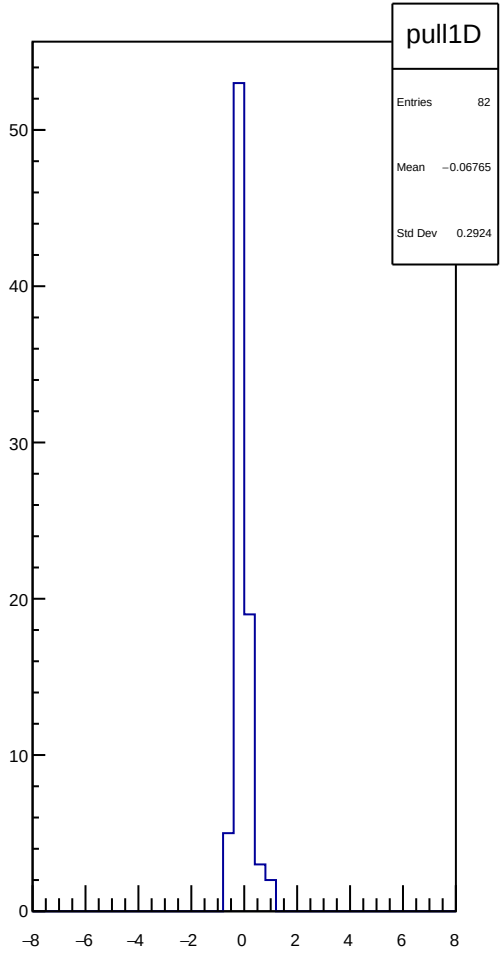

pull1D
Entries 82
Mean −0.7729
Std Dev 1.537
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

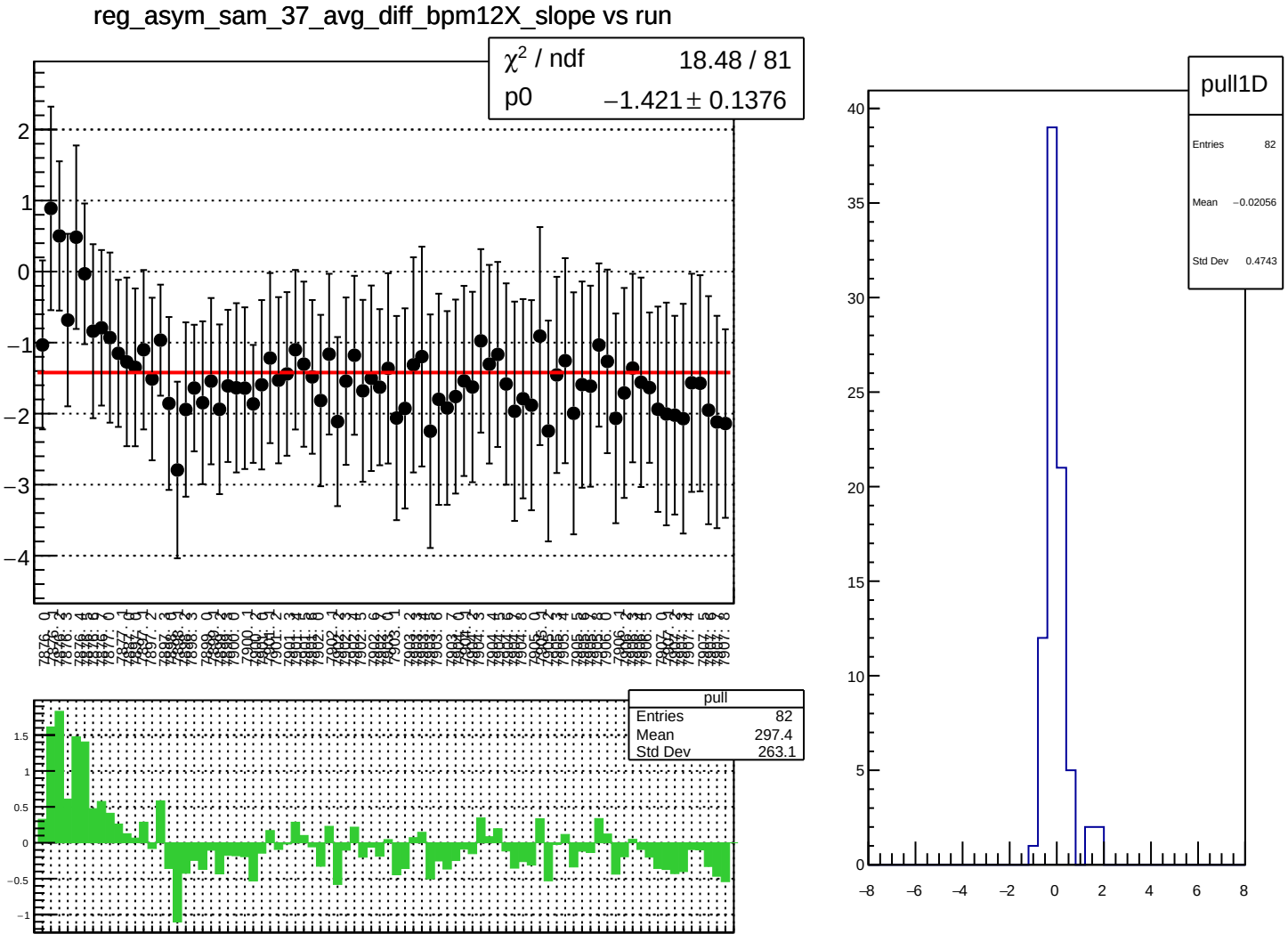

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.739 / 81
p0 12.84 ± 3.294
pull
Entries 82
Mean 79.5
Std Dev 36.97

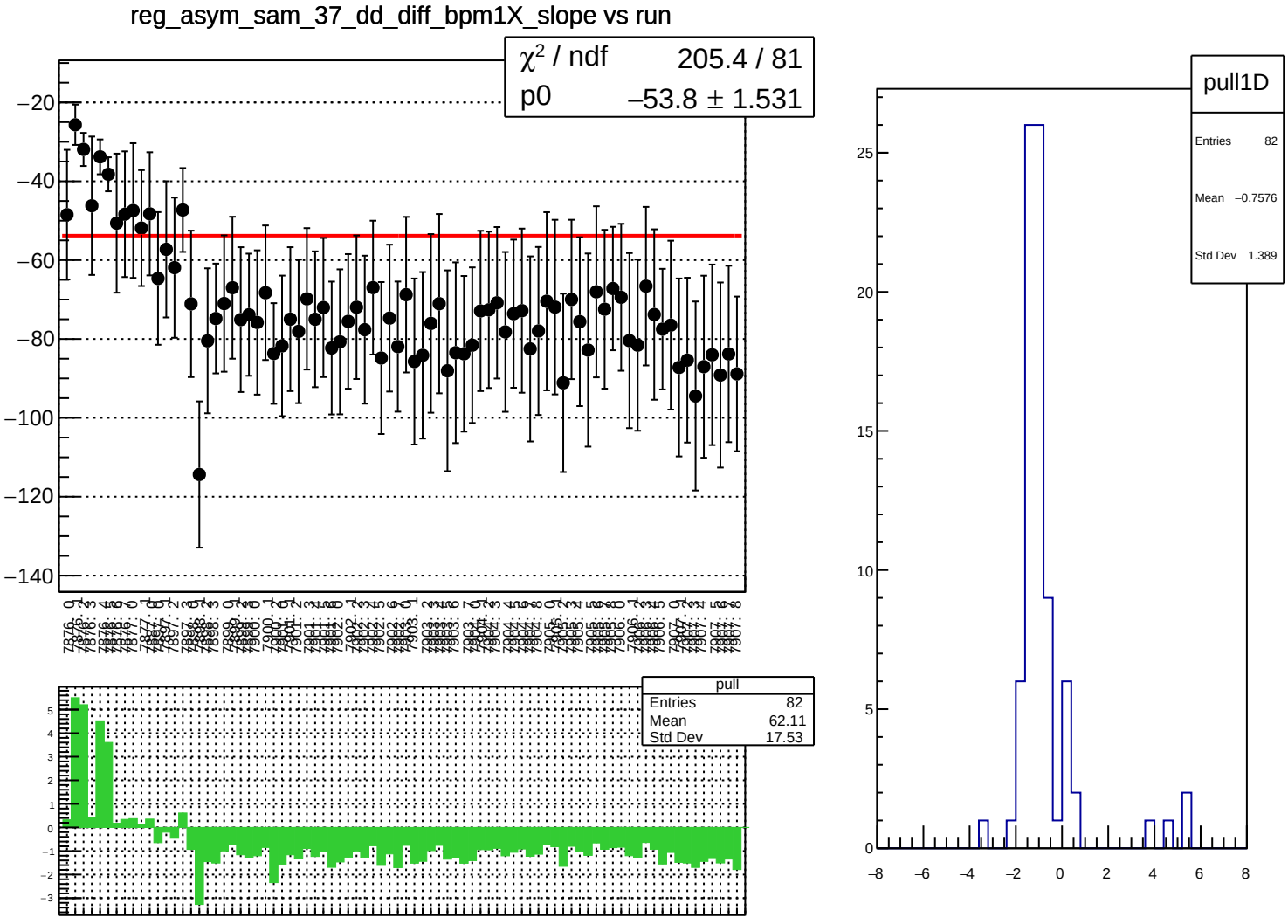

pull1D
Entries 82
Mean 0.112
Std Dev 0.3259

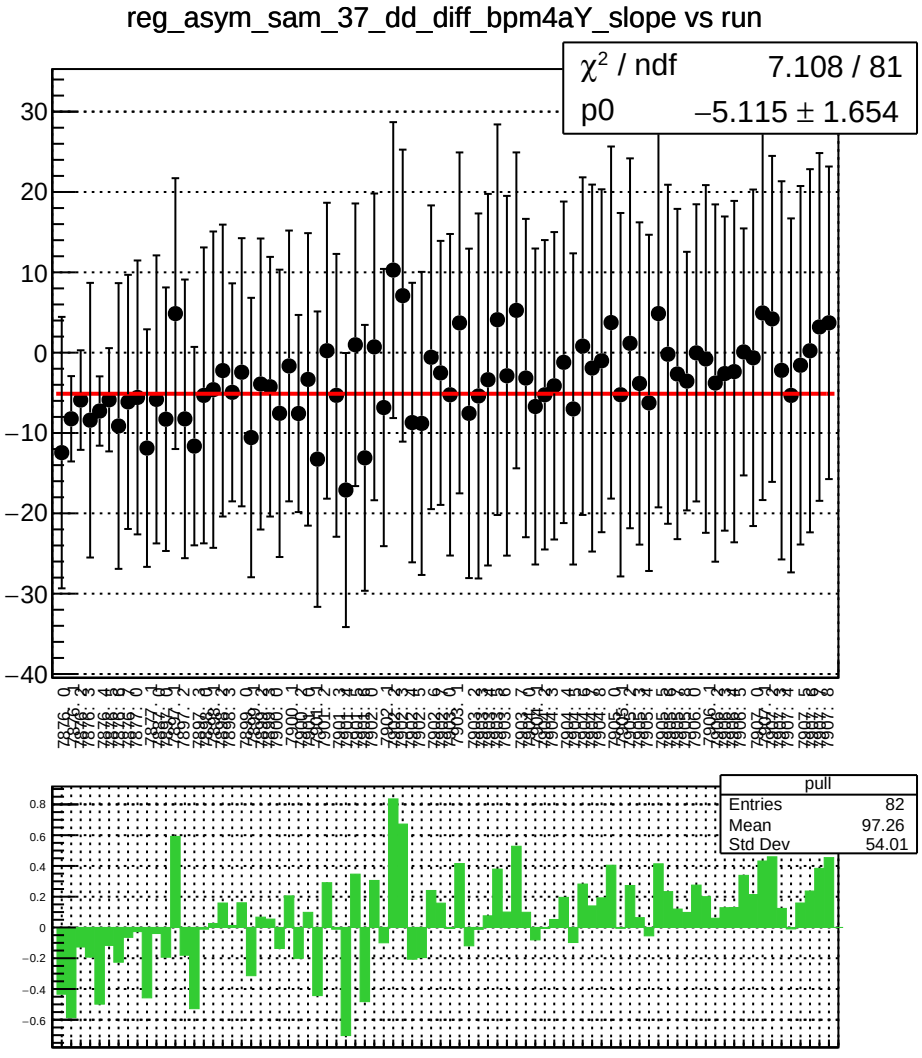

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 286 / 81
p0 −46.27 ± 2.474
pull
Entries 82
Mean 60.84
Std Dev 15.01
pull1D
Entries 82
Mean 0.9047
Std Dev 1.634

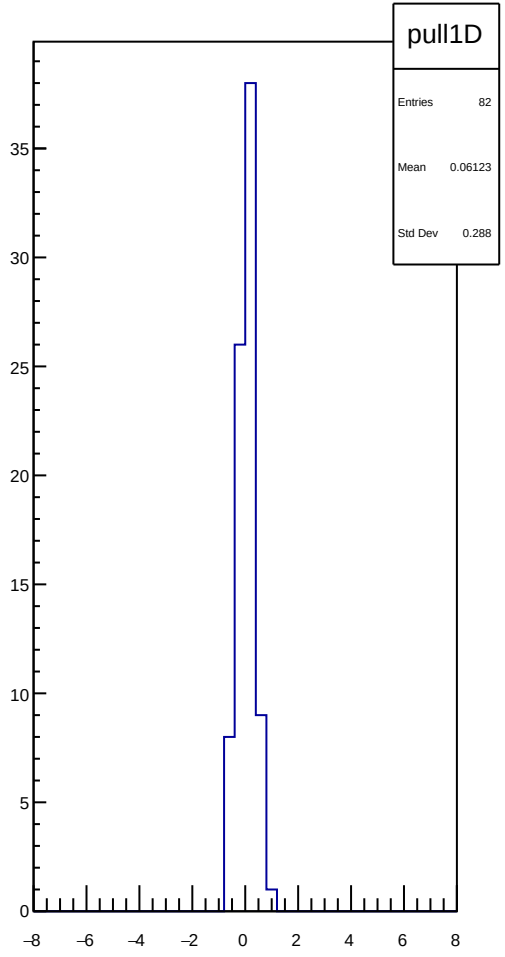

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.385 / 81
p0 −6.369 ± 4.093
pull
Entries 82
Mean 92.94
Std Dev 52.64

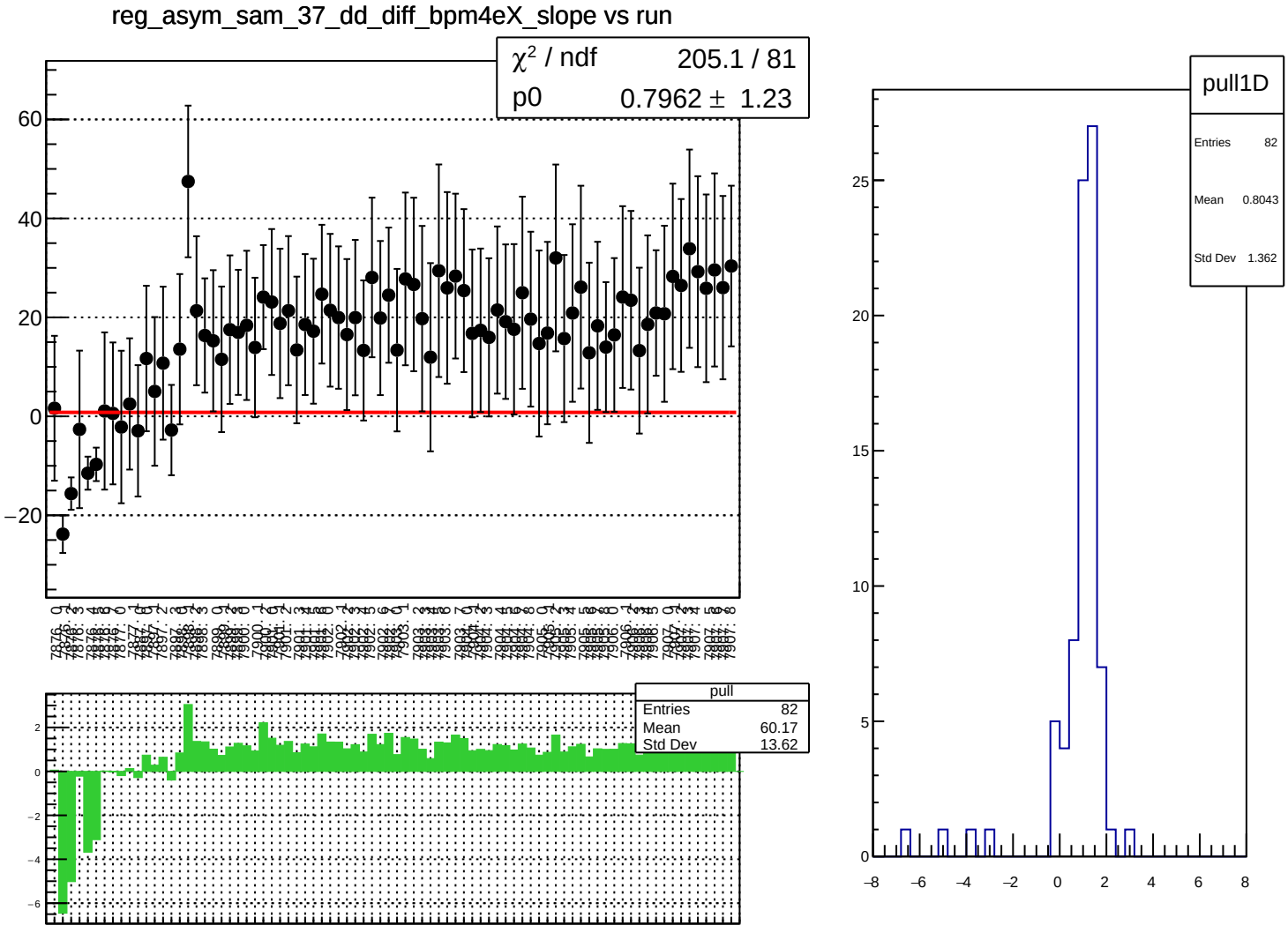

pull1D
Entries 82
Mean −0.06765
Std Dev 0.2924

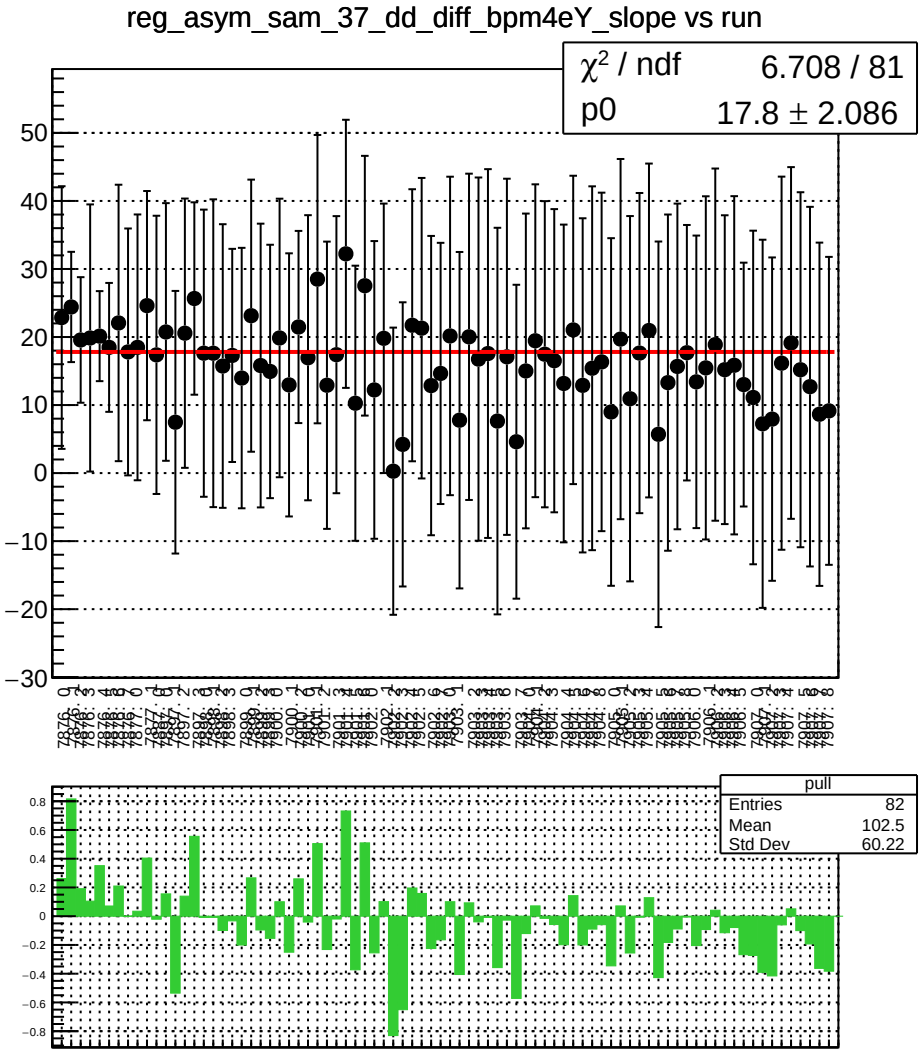

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 18.48 / 81
p0 −1.421 ± 0.1376
pull
Entries 82
Mean 297.4
Std Dev 263.1
pull1D
Entries 82
Mean −0.02056
Std Dev 0.4743

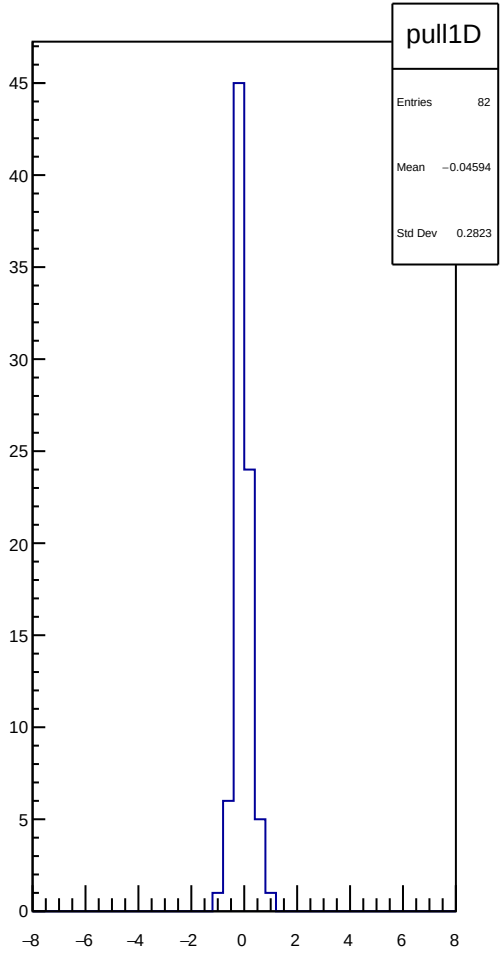

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 205.4 / 81
p0 −53.8 ± 1.531
pull
Entries 82
Mean 62.11
Std Dev 17.53
pull1D
Entries 82
Mean −0.7576
Std Dev 1.389

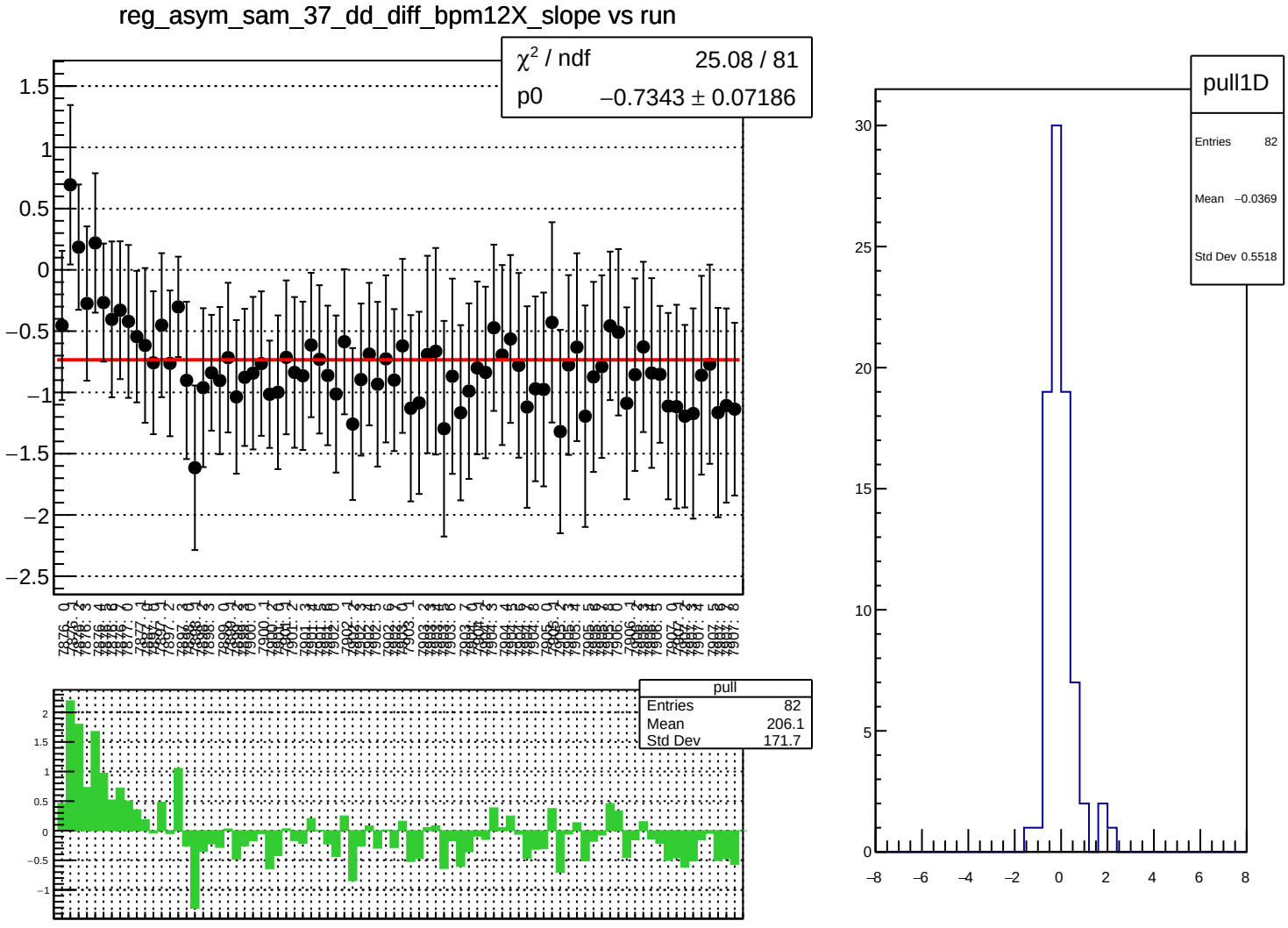

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.108 / 81
p0 −5.115 ± 1.654
pull
Entries 82
Mean 97.26
Std Dev 54.01

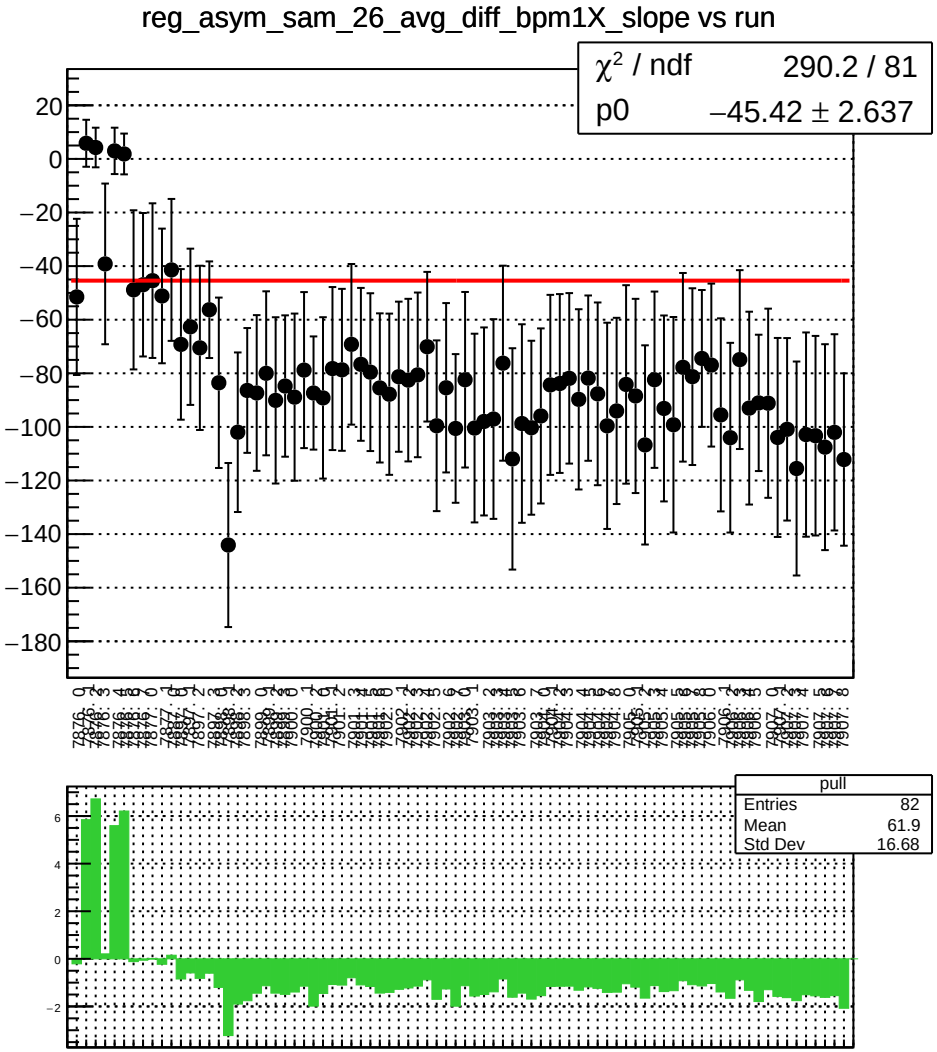

pull1D
Entries 82
Mean 0.06123
Std Dev 0.288

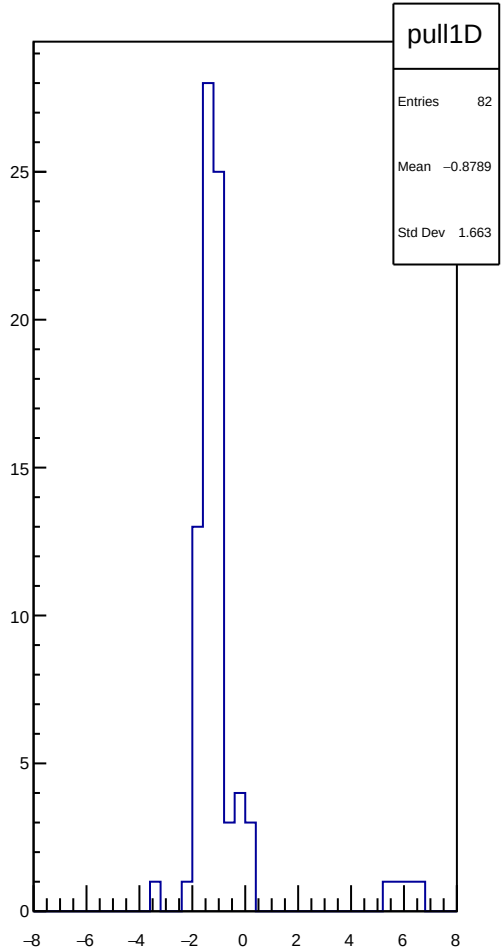

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 205.1 / 81
p0 0.7962 ± 1.23
pull
Entries 82
Mean 60.17
Std Dev 13.62
pull1D
Entries 82
Mean 0.8043
Std Dev 1.362

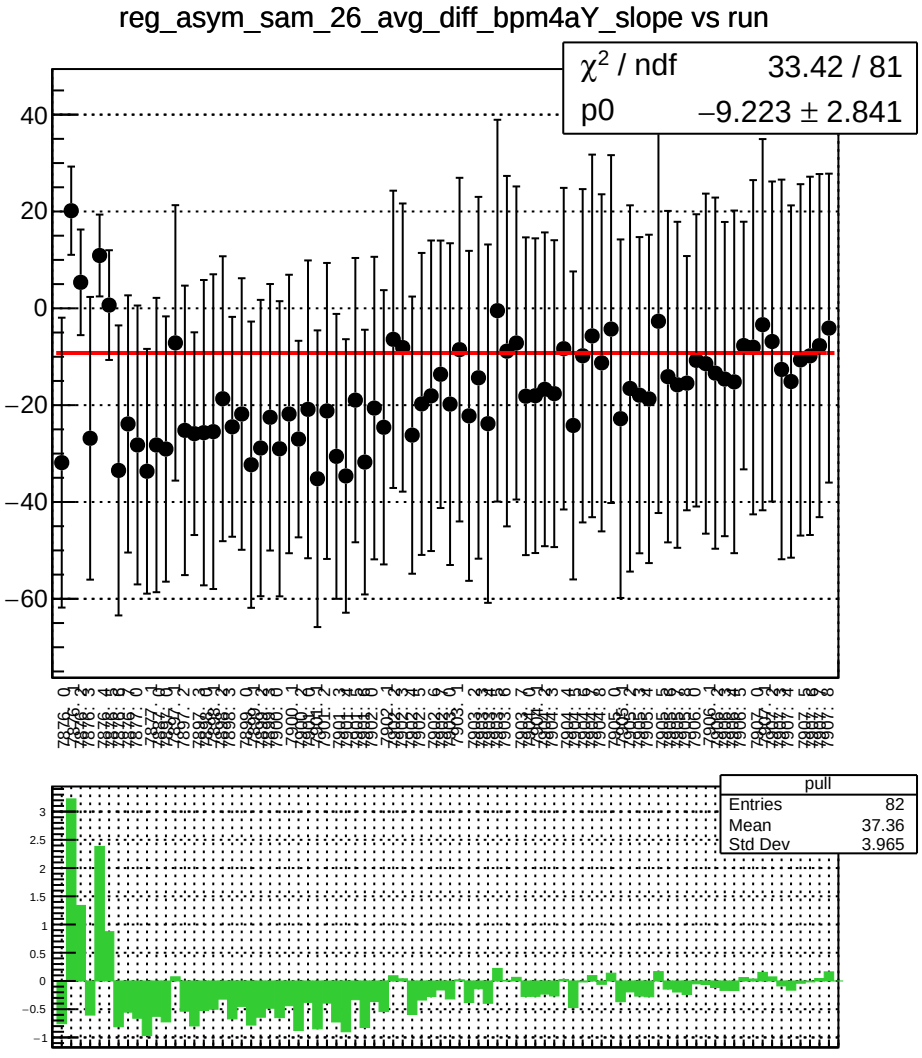

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.708 / 81
p0 17.8 ± 2.086
pull
Entries 82
Mean 102.5
Std Dev 60.22

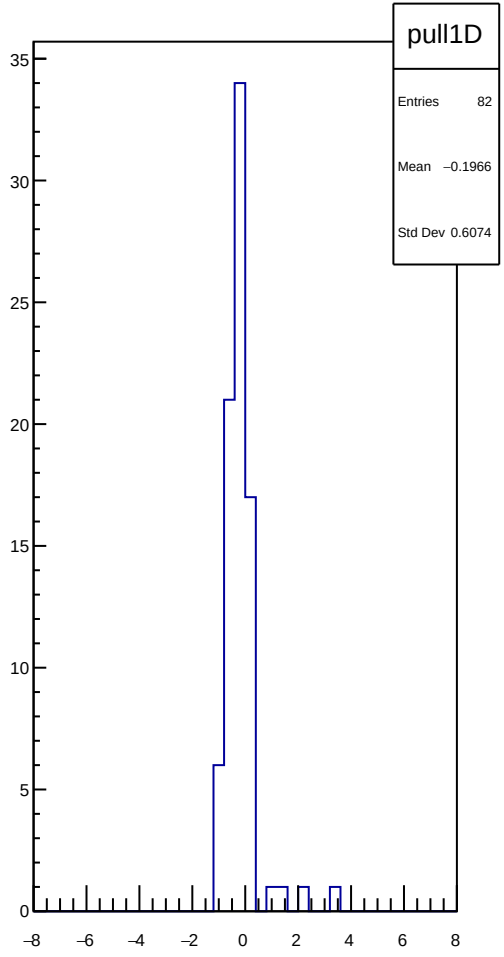

pull1D
Entries 82
Mean −0.04594
Std Dev 0.2823

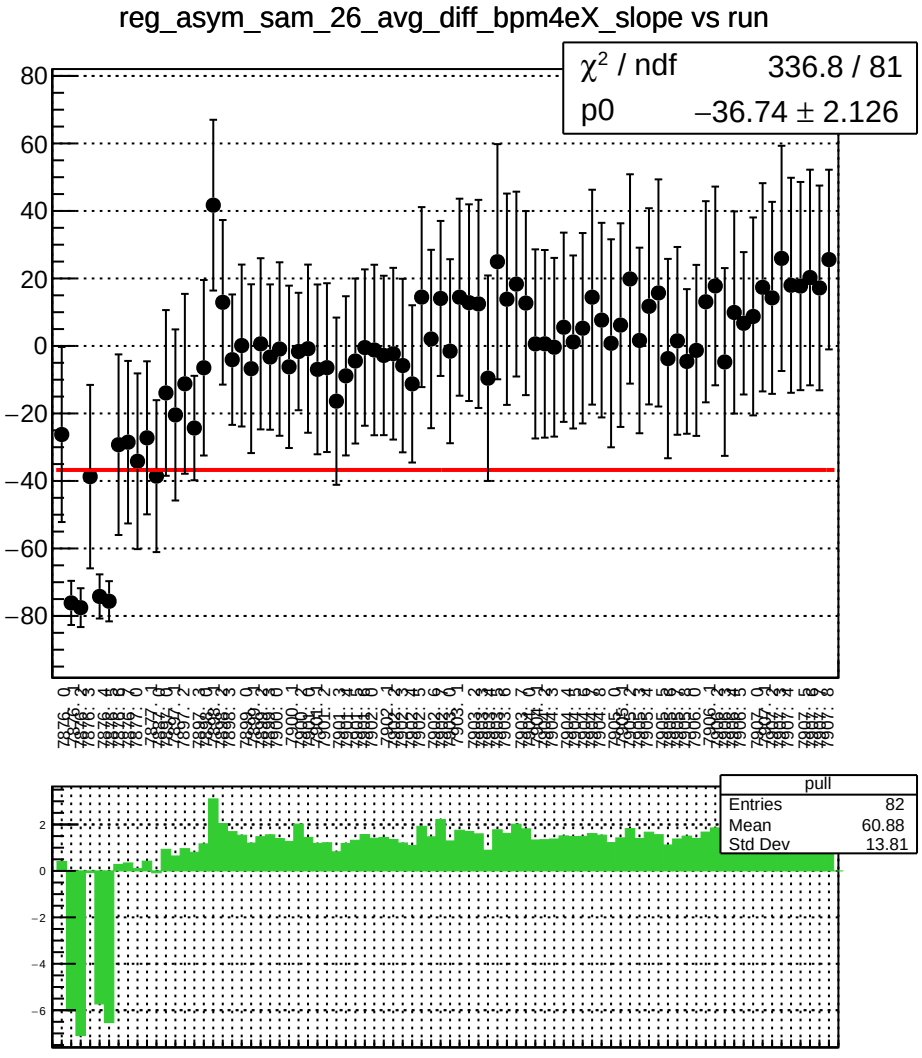

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 25.08 / 81
p0 −0.7343 ± 0.07186
pull
Entries 82
Mean 206.1
Std Dev 171.7
pull1D
Entries 82
Mean −0.0369
Std Dev 0.5518

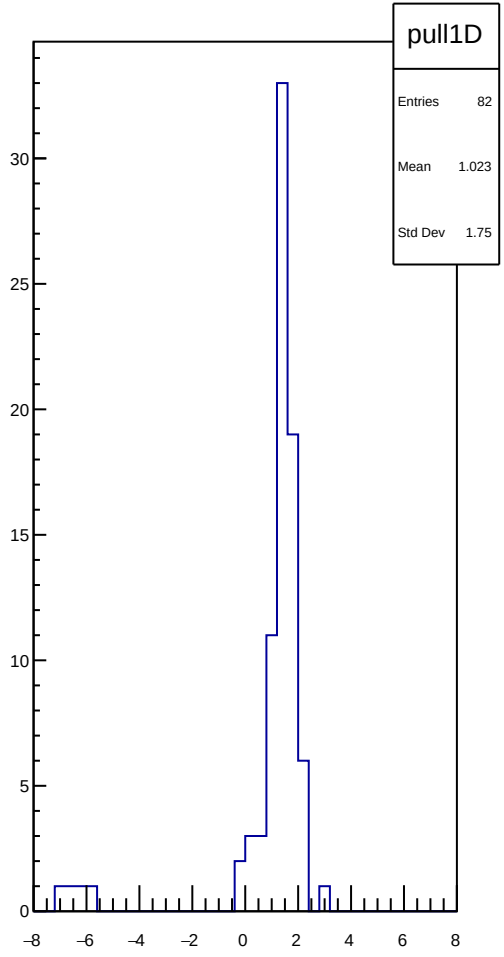

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 290.2 / 81
p0 −45.42 ± 2.637
pull
Entries 82
Mean 61.9
Std Dev 16.68

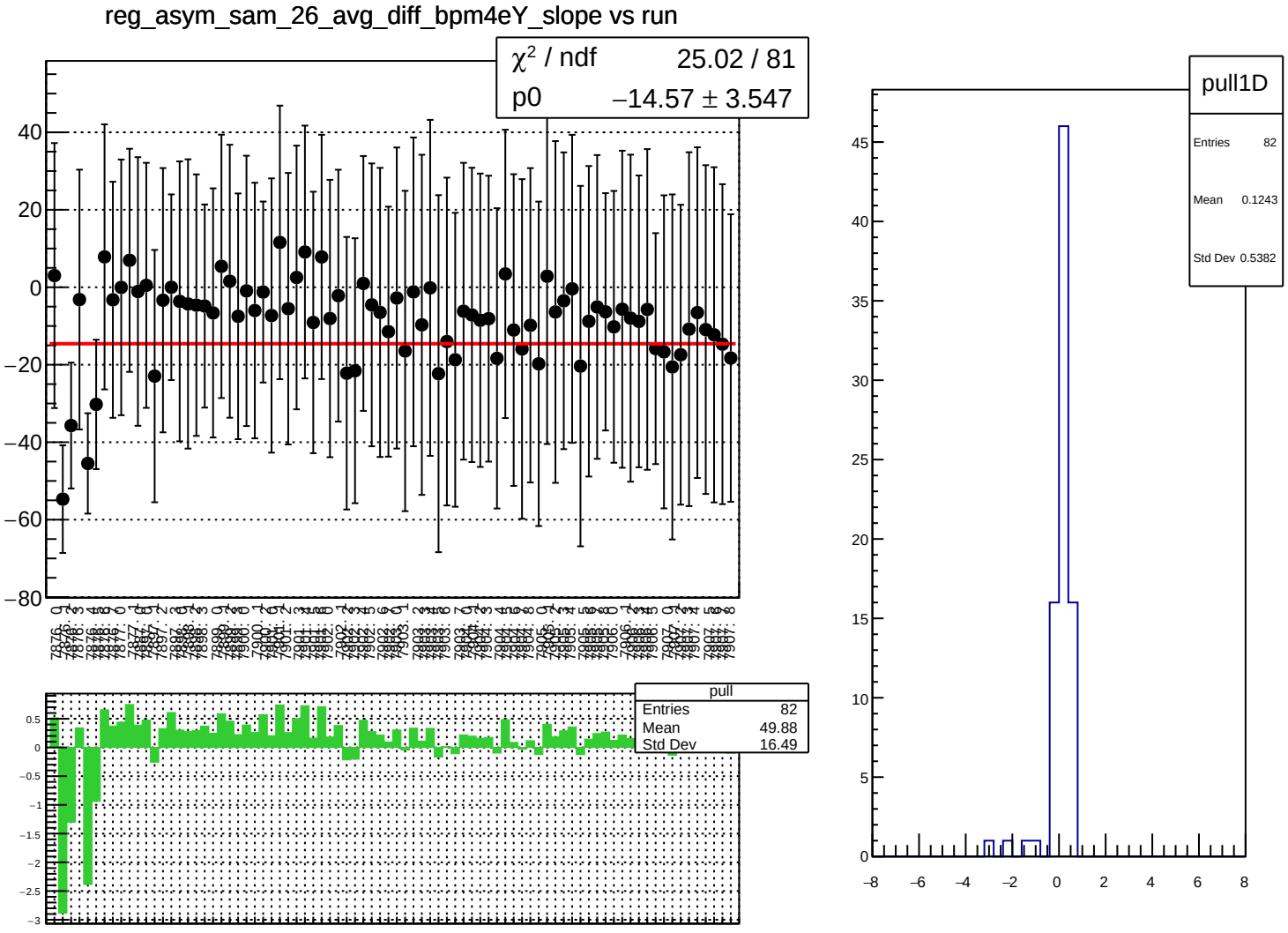

pull1D
Entries 82
Mean −0.8789
Std Dev 1.663

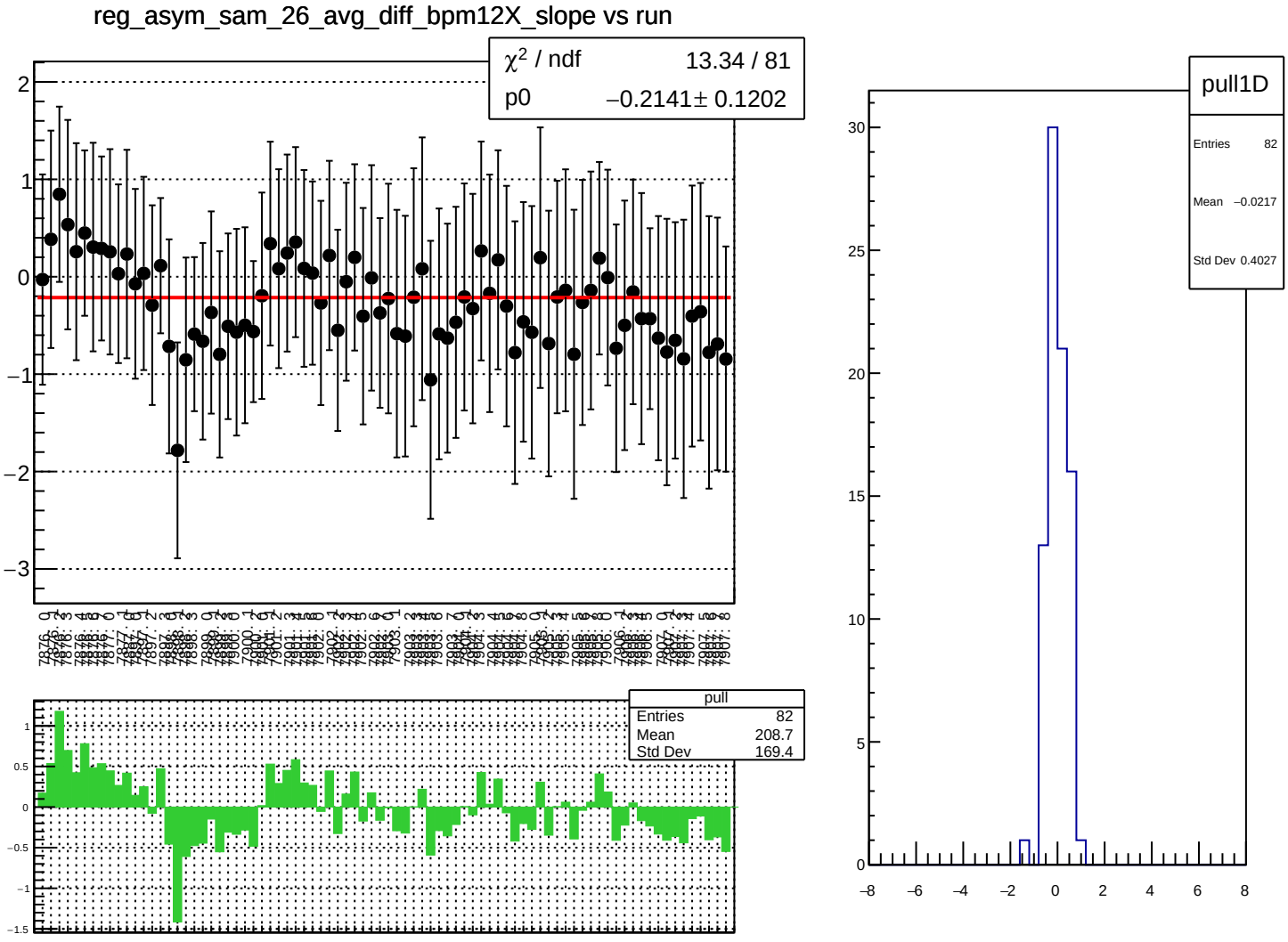

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 33.42 / 81
p0 −9.223 ± 2.841
pull
Entries 82
Mean 37.36
Std Dev 3.965

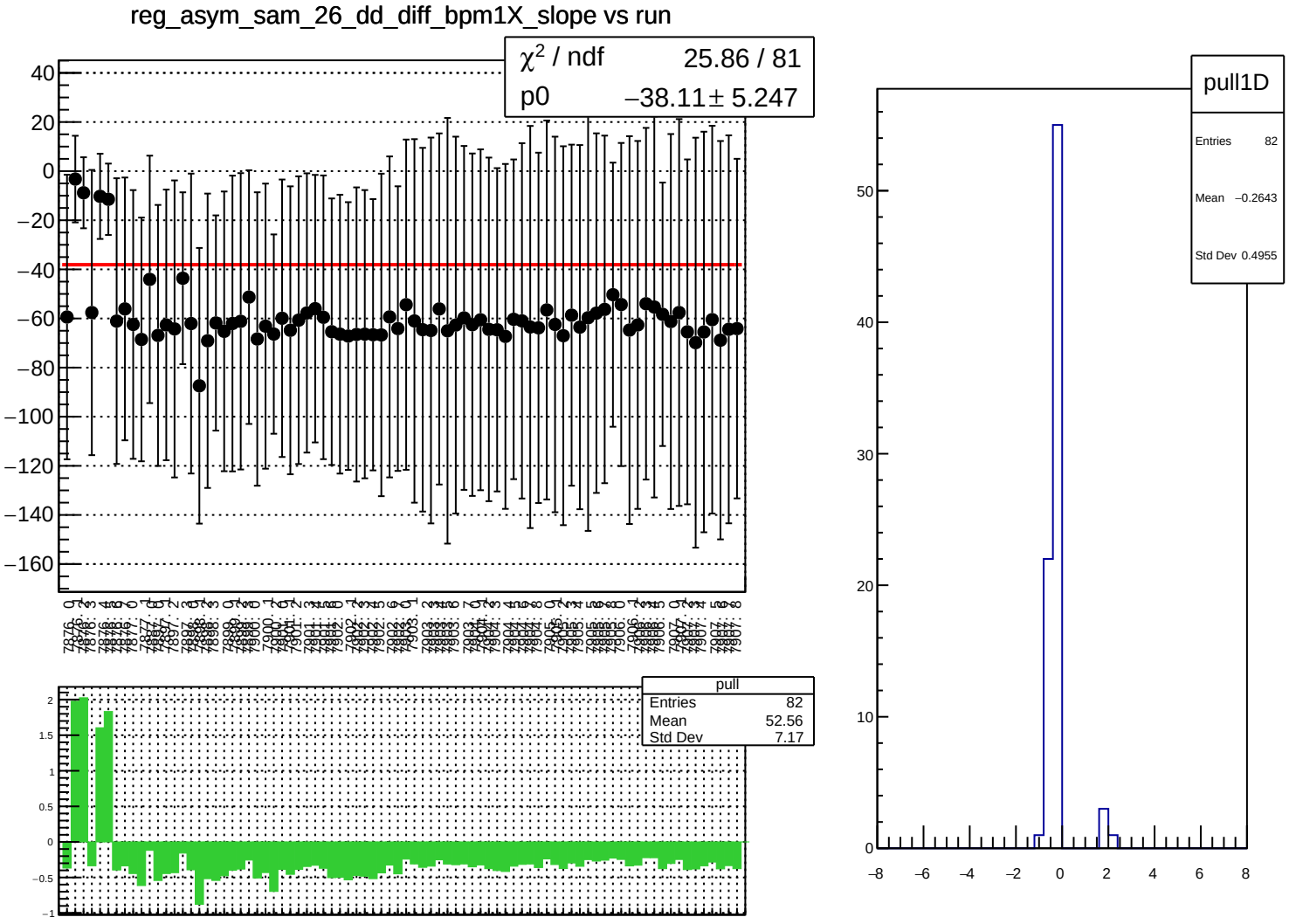

pull1D
Entries 82
Mean −0.1966
Std Dev 0.6074

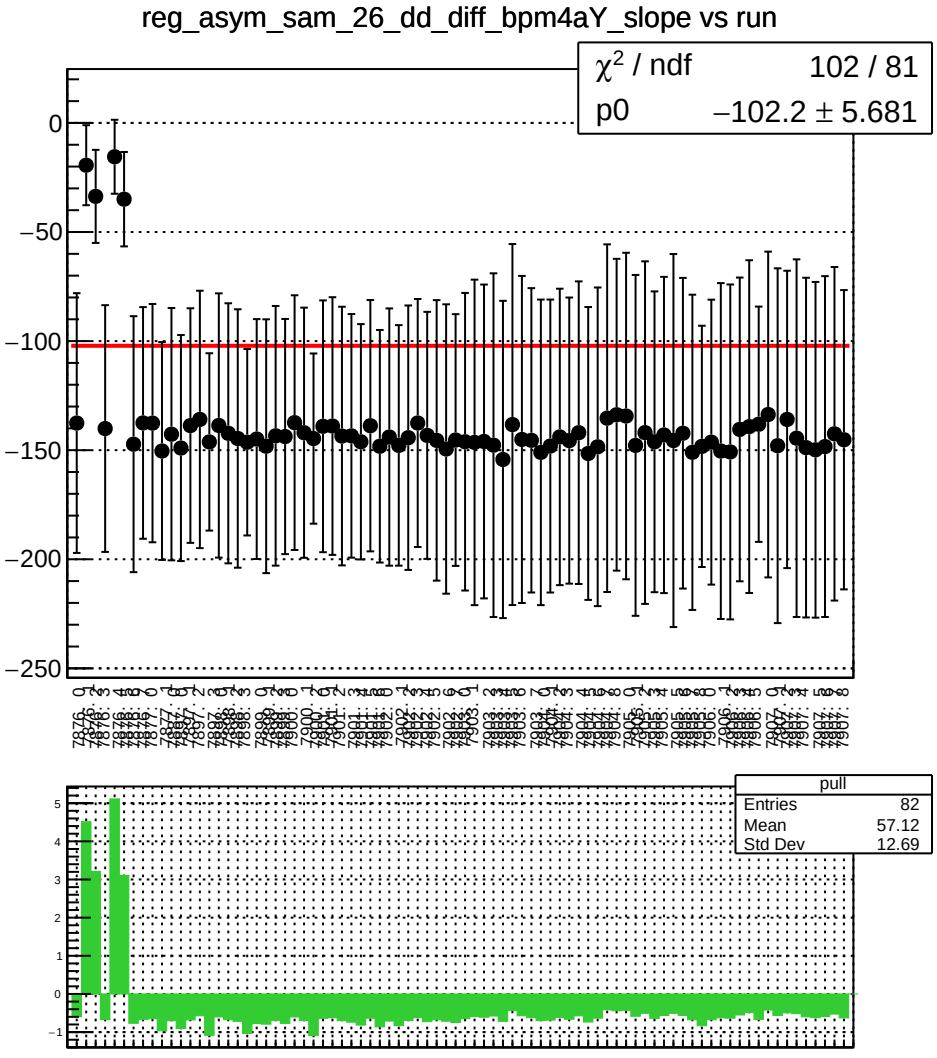

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 336.8 / 81
p0 −36.74 ± 2.126
pull
Entries 82
Mean 60.88
Std Dev 13.81

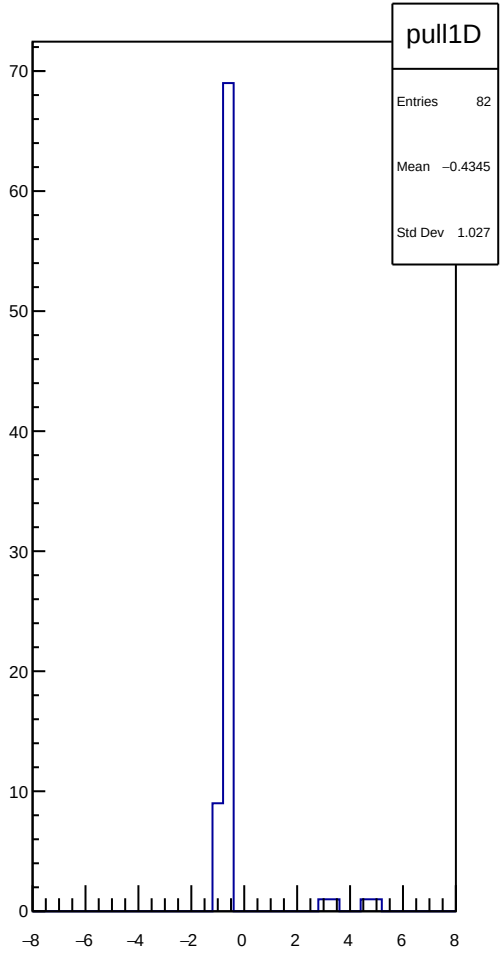

pull1D
Entries 82
Mean 1.023
Std Dev 1.75

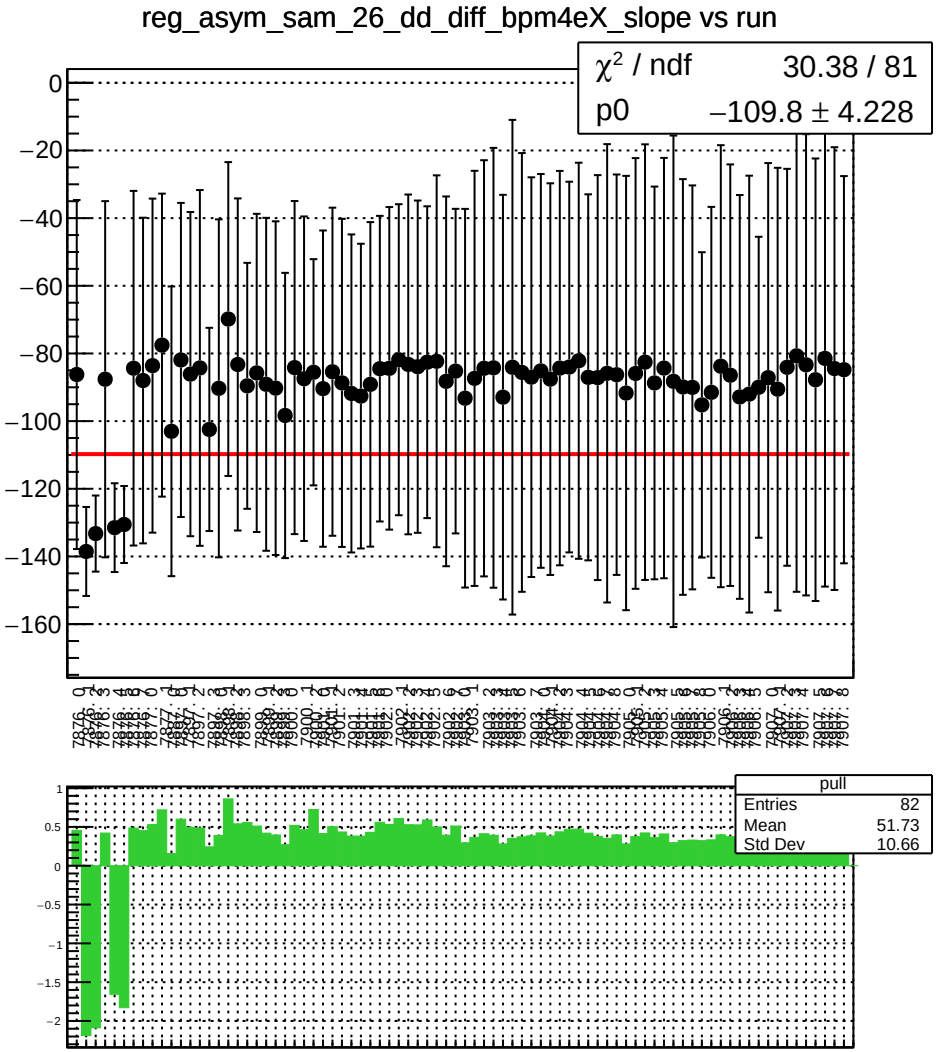

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.02 / 81
p0 −14.57 ± 3.547
pull
Entries 82
Mean 49.88
Std Dev 16.49
pull1D
Entries 82
Mean 0.1243
Std Dev 0.5382

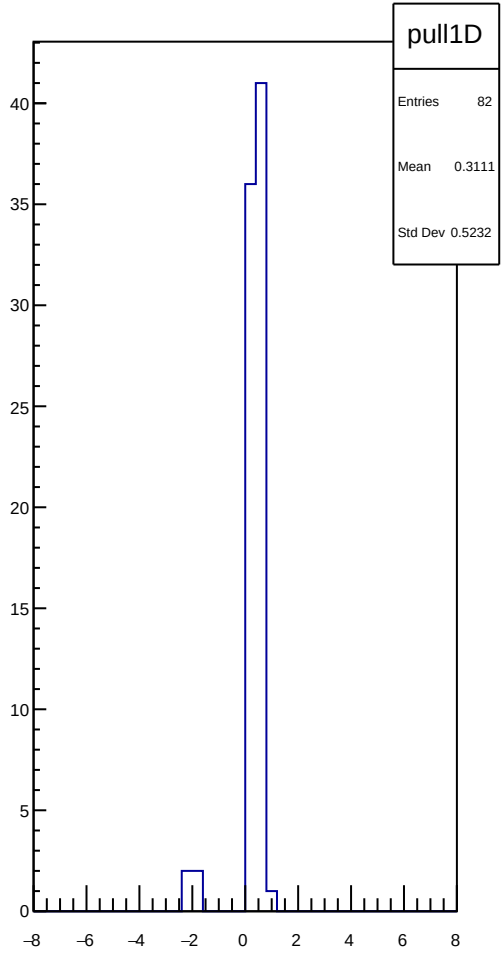

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 13.34 / 81
p0 −0.2141 ± 0.1202
pull
Entries 82
Mean 208.7
Std Dev 169.4
pull1D
Entries 82
Mean −0.0217
Std Dev 0.4027

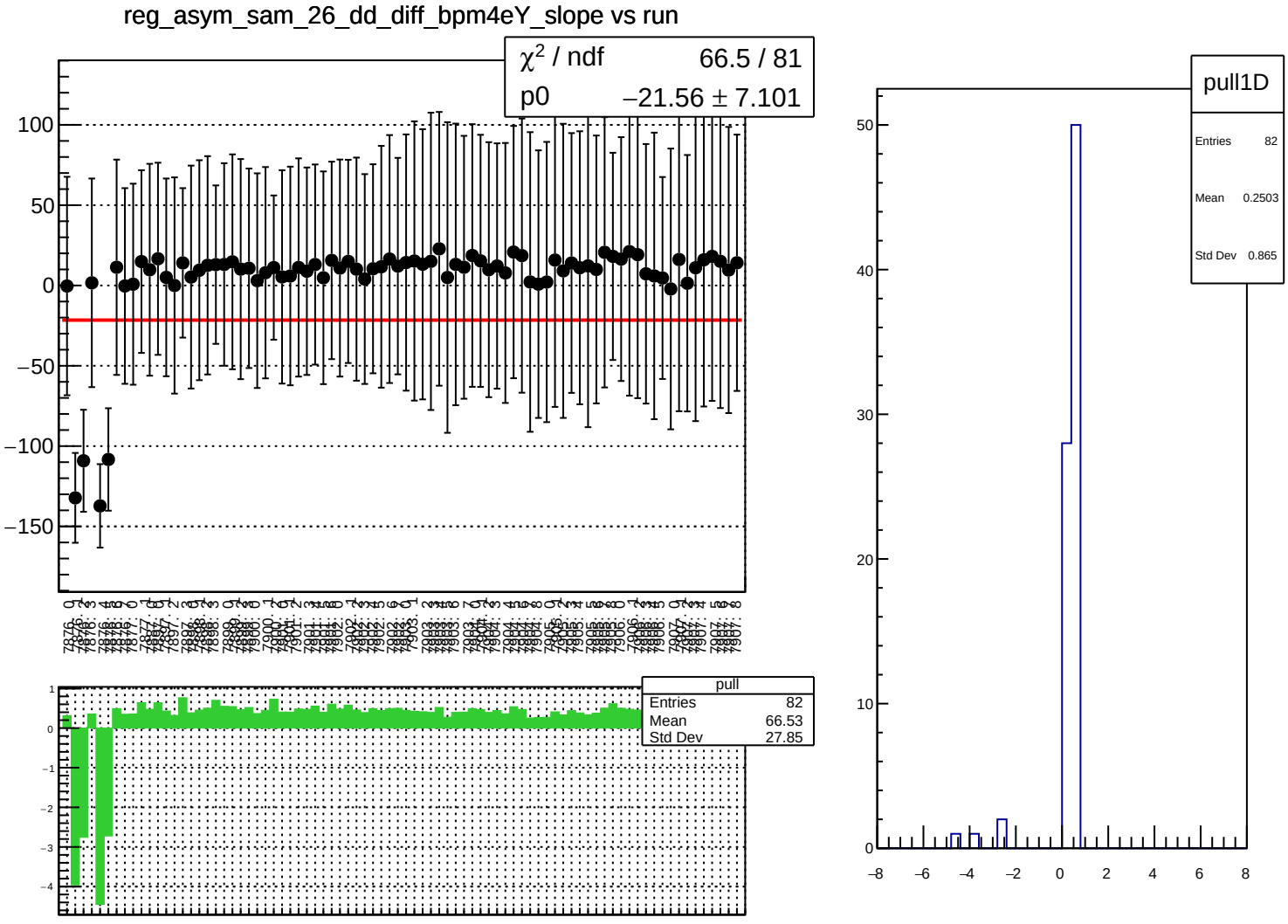

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 25.86 / 81
p0 −38.11 ± 5.247
pull
Entries 82
Mean 52.56
Std Dev 7.17
pull1D
Entries 82
Mean −0.2643
Std Dev 0.4955

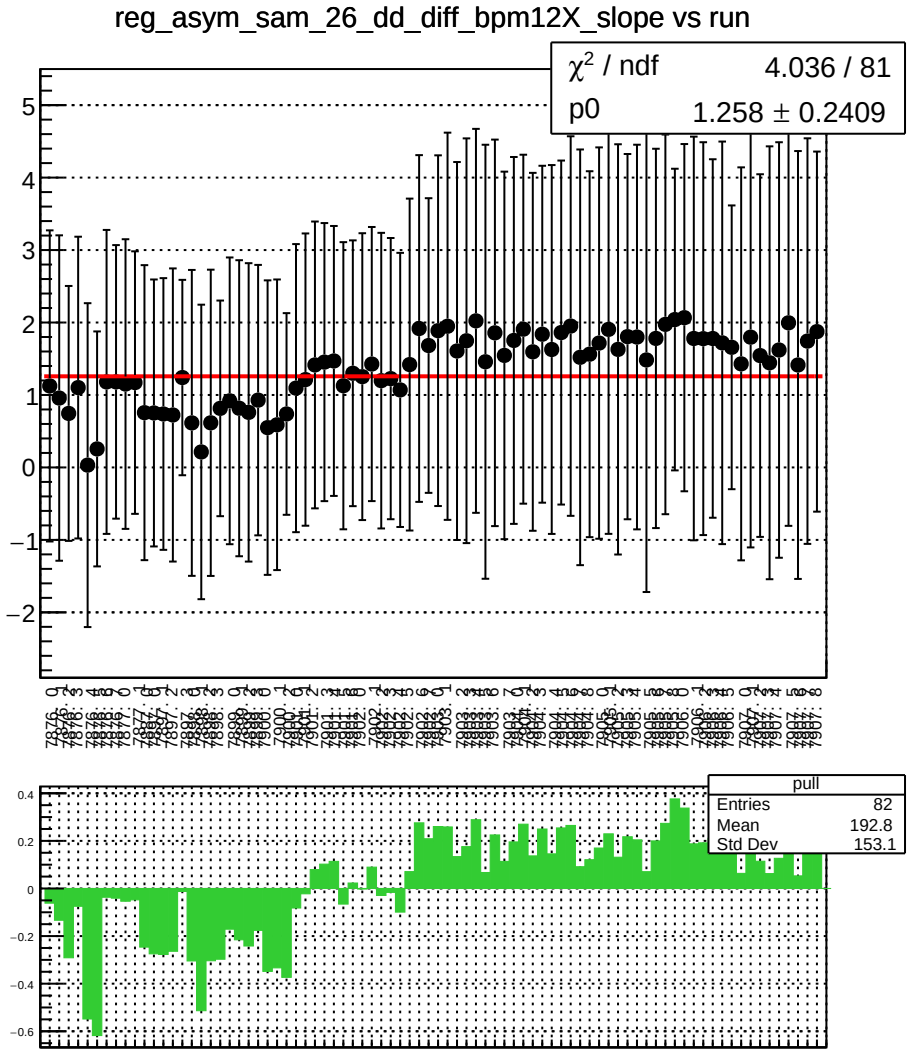

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 102 / 81
p0 −102.2 ± 5.681
pull
Entries 82
Mean 57.12
Std Dev 12.69

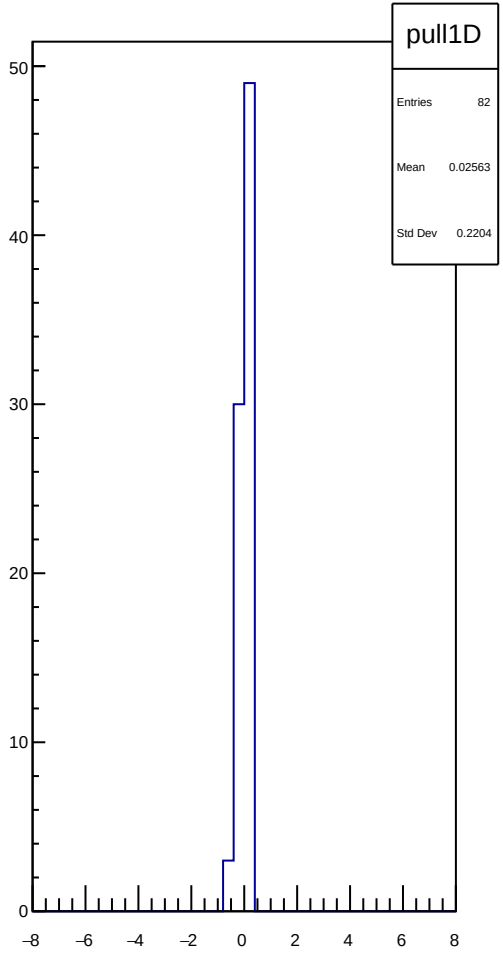

pull1D
Entries 82
Mean −0.4345
Std Dev 1.027

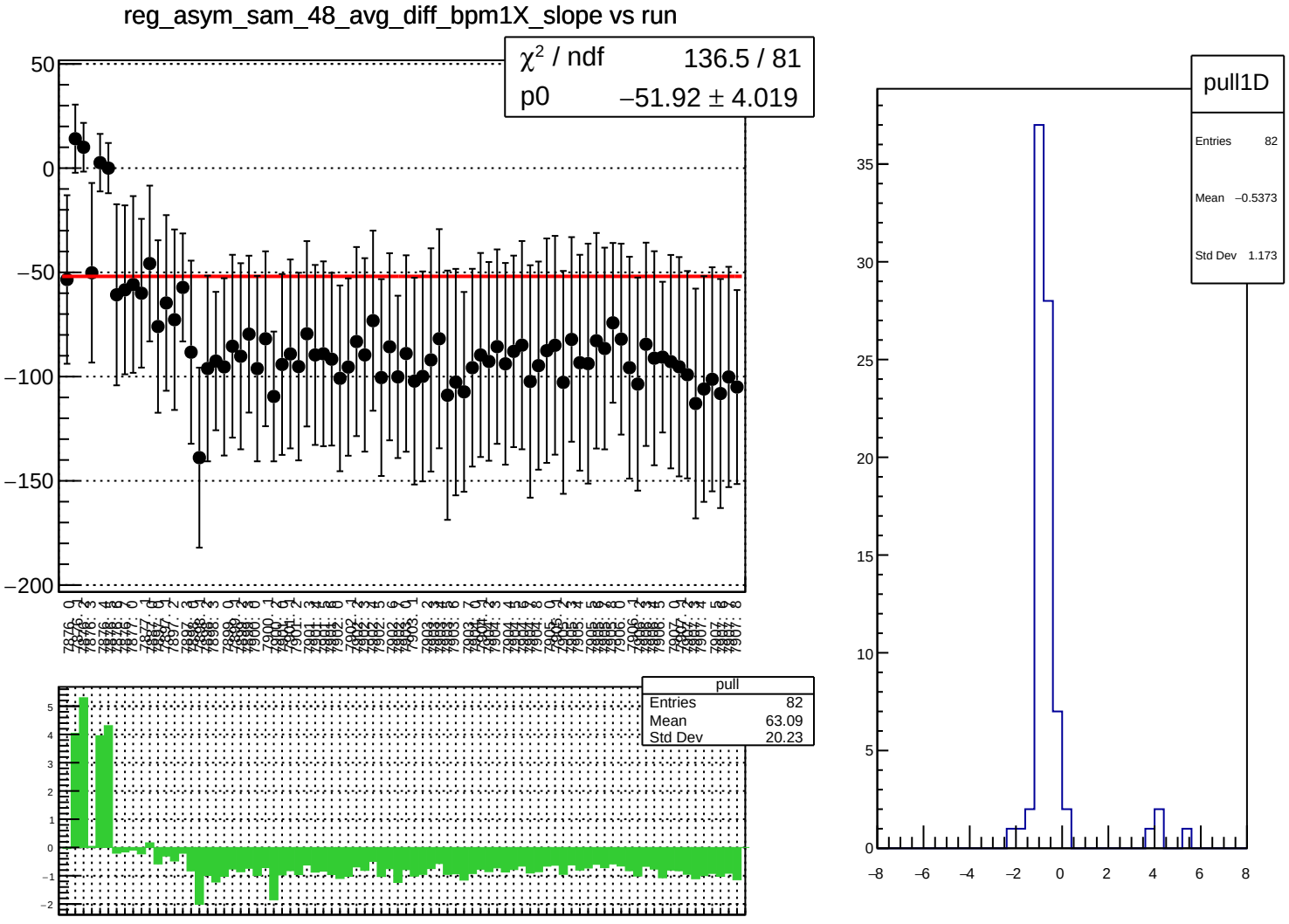

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 30.38 / 81
p0 −109.8 ± 4.228
pull
Entries 82
Mean 51.73
Std Dev 10.66

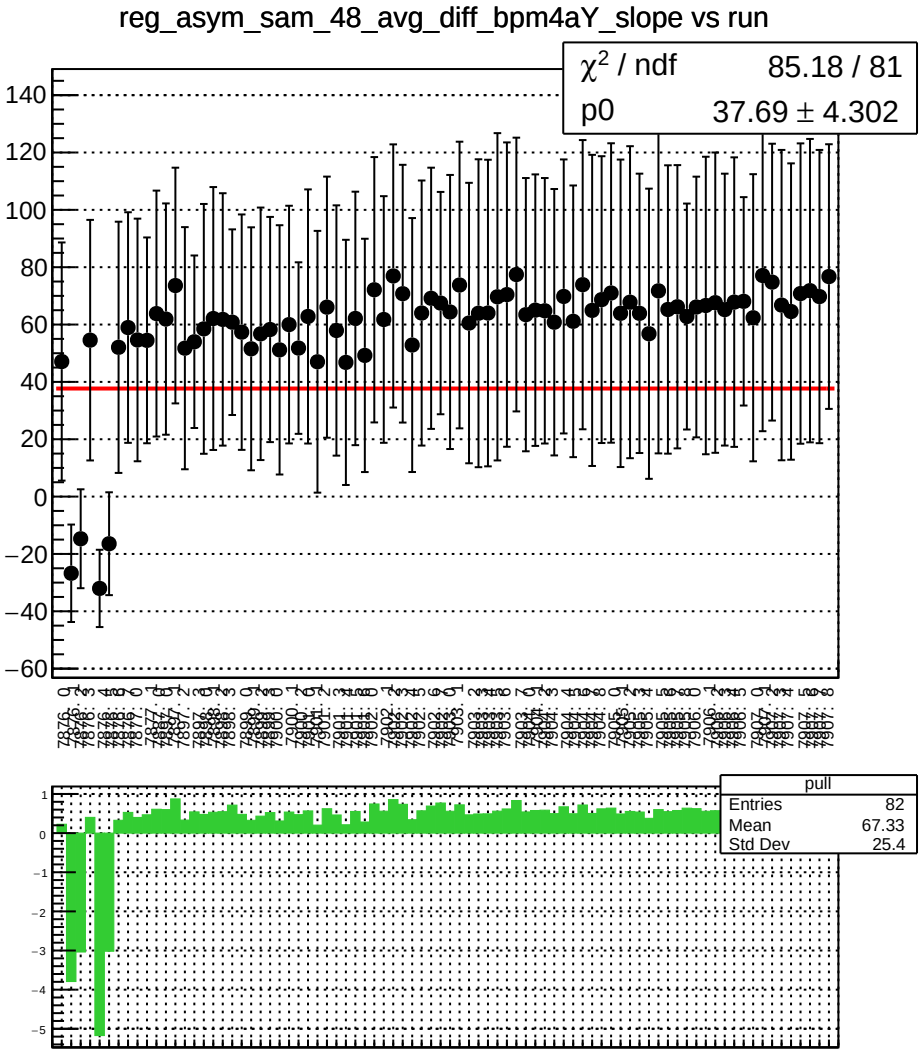

pull1D
Entries 82
Mean 0.3111
Std Dev 0.5232

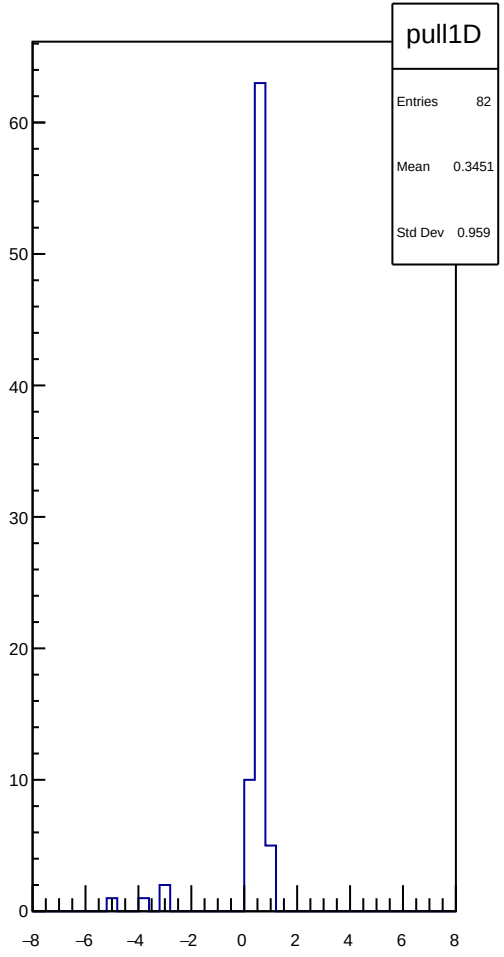

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.5 / 81
p0 −21.56 ± 7.101
pull
Entries 82
Mean 66.53
Std Dev 27.85
pull1D
Entries 82
Mean 0.2503
Std Dev 0.865

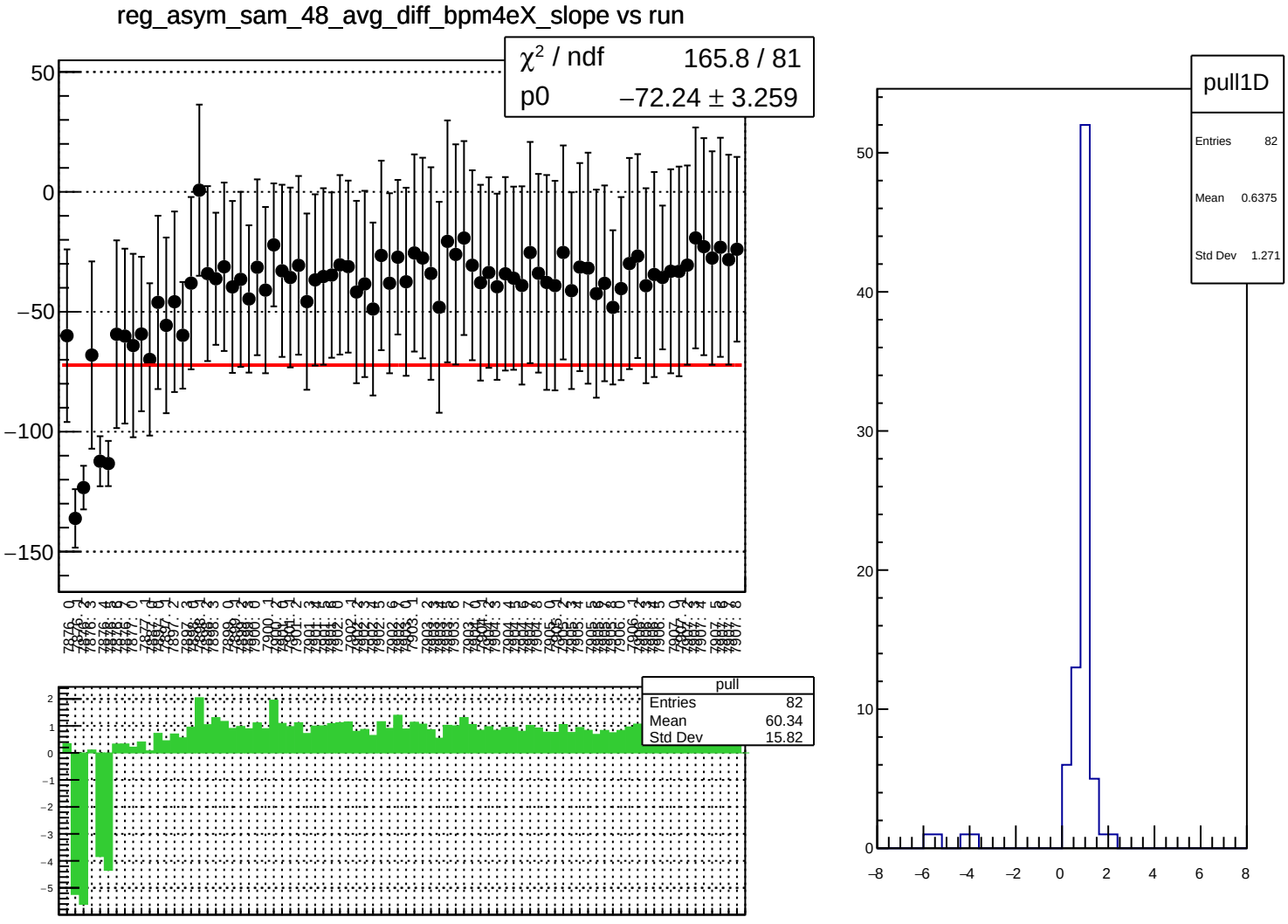

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.036 / 81
p0 1.258 ± 0.2409
pull
Entries 82
Mean 192.8
Std Dev 153.1

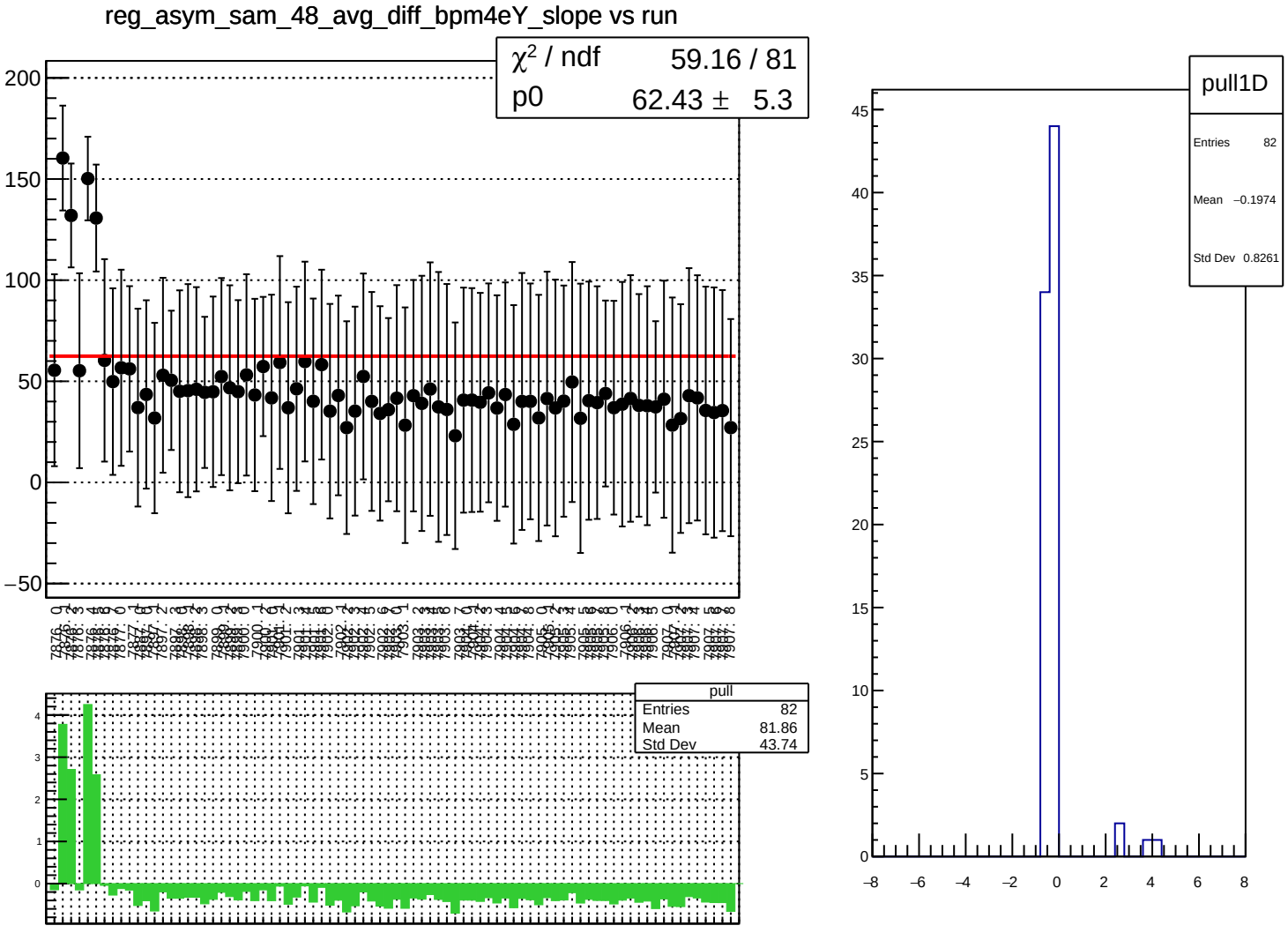

pull1D
Entries 82
Mean 0.02563
Std Dev 0.2204

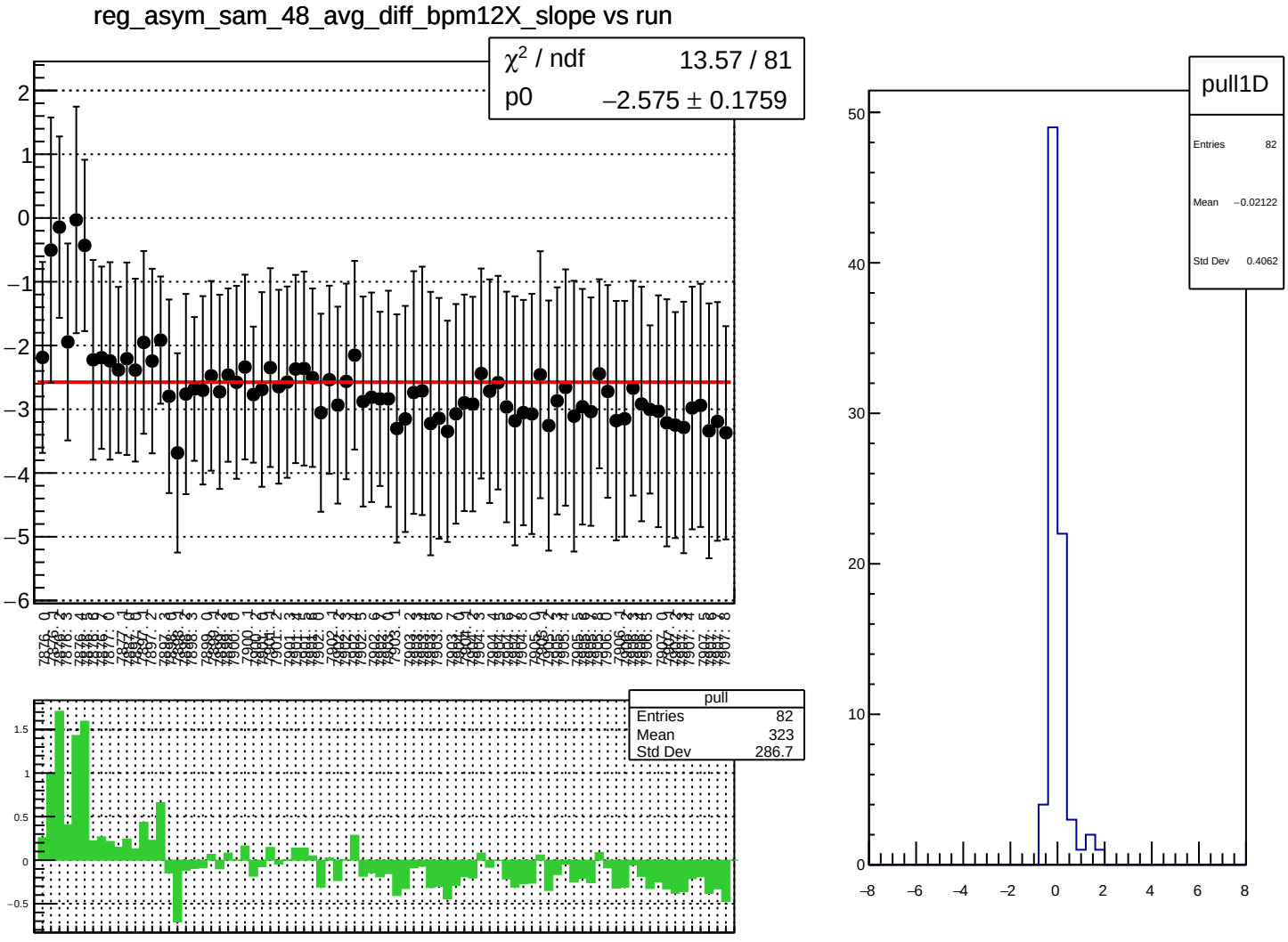

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 136.5 / 81
p0 −51.92 ± 4.019
pull
Entries 82
Mean 63.09
Std Dev 20.23
pull1D
Entries 82
Mean −0.5373
Std Dev 1.173

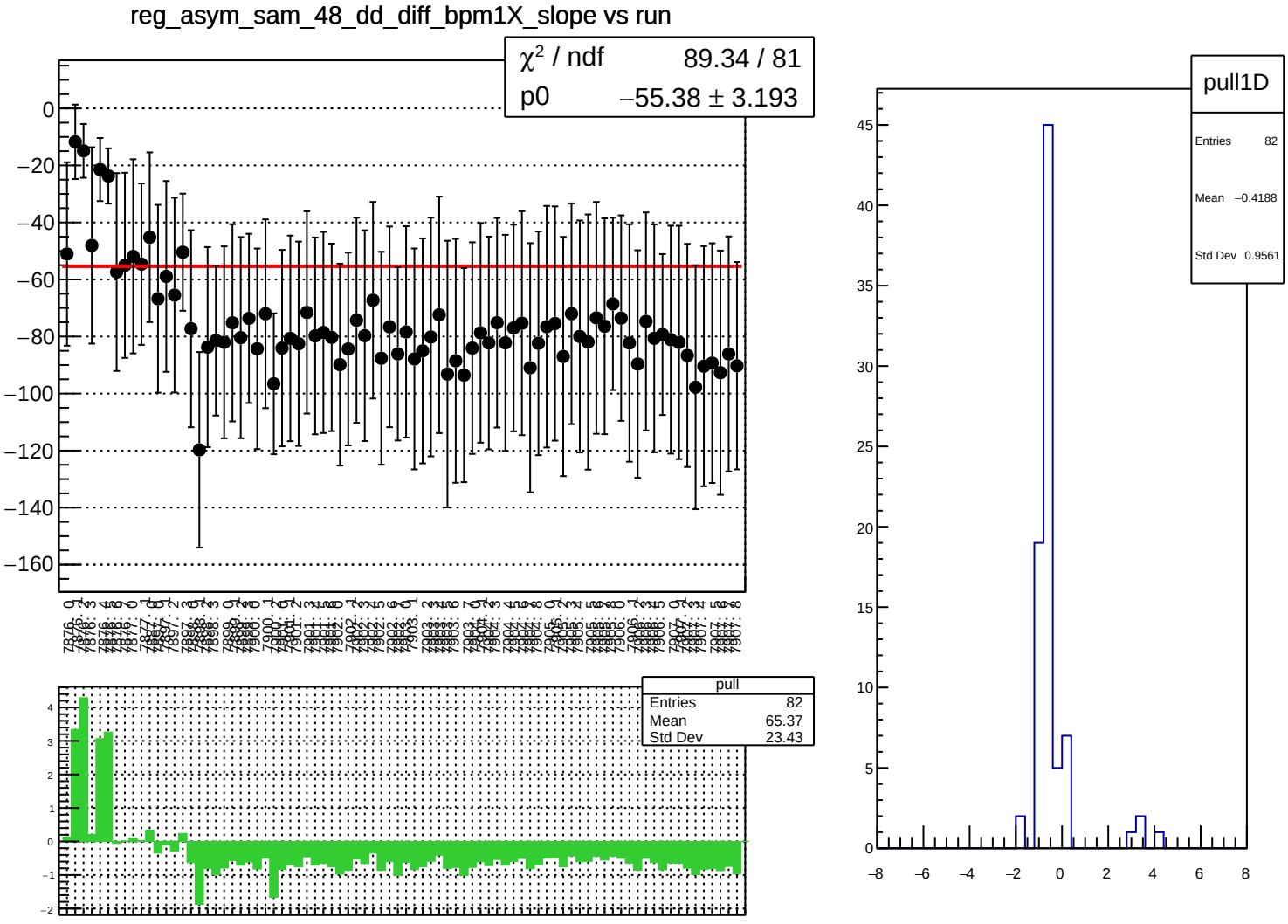

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 85.18 / 81
p0 37.69 ± 4.302
pull
Entries 82
Mean 67.33
Std Dev 25.4

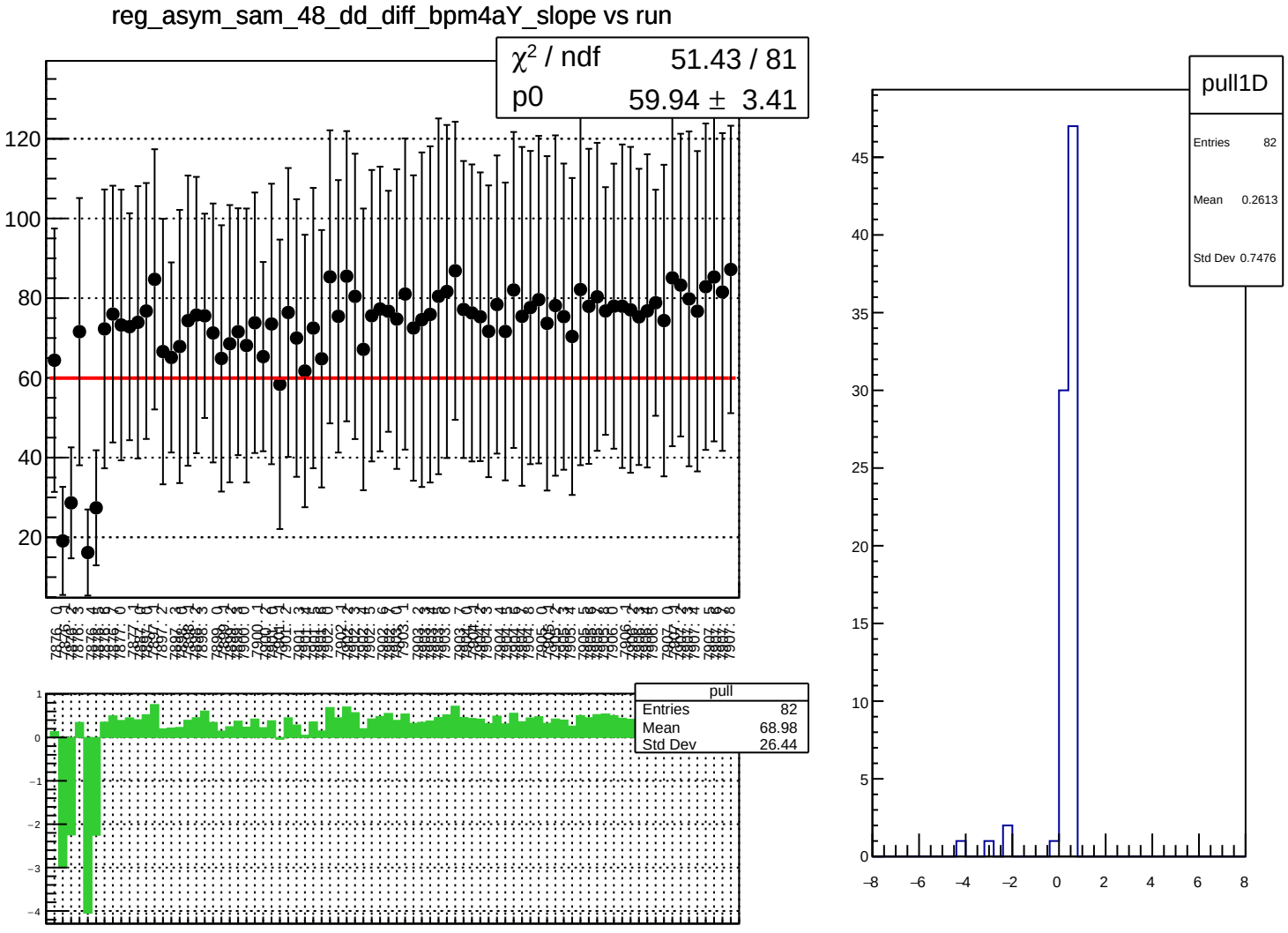

pull1D
Entries 82
Mean 0.3451
Std Dev 0.959

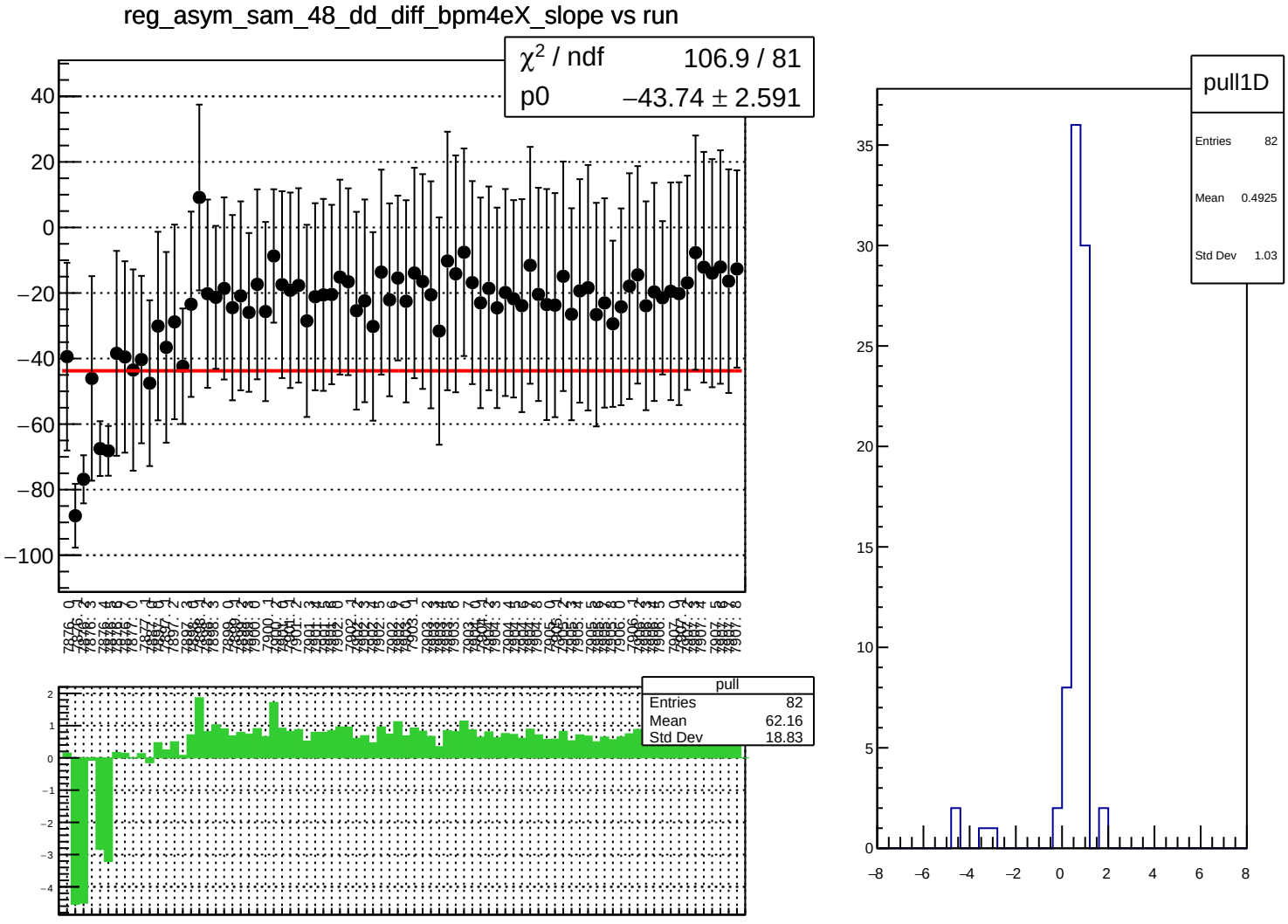

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 165.8 / 81
p0 −72.24 ± 3.259
pull
Entries 82
Mean 60.34
Std Dev 15.82
pull1D
Entries 82
Mean 0.6375
Std Dev 1.271

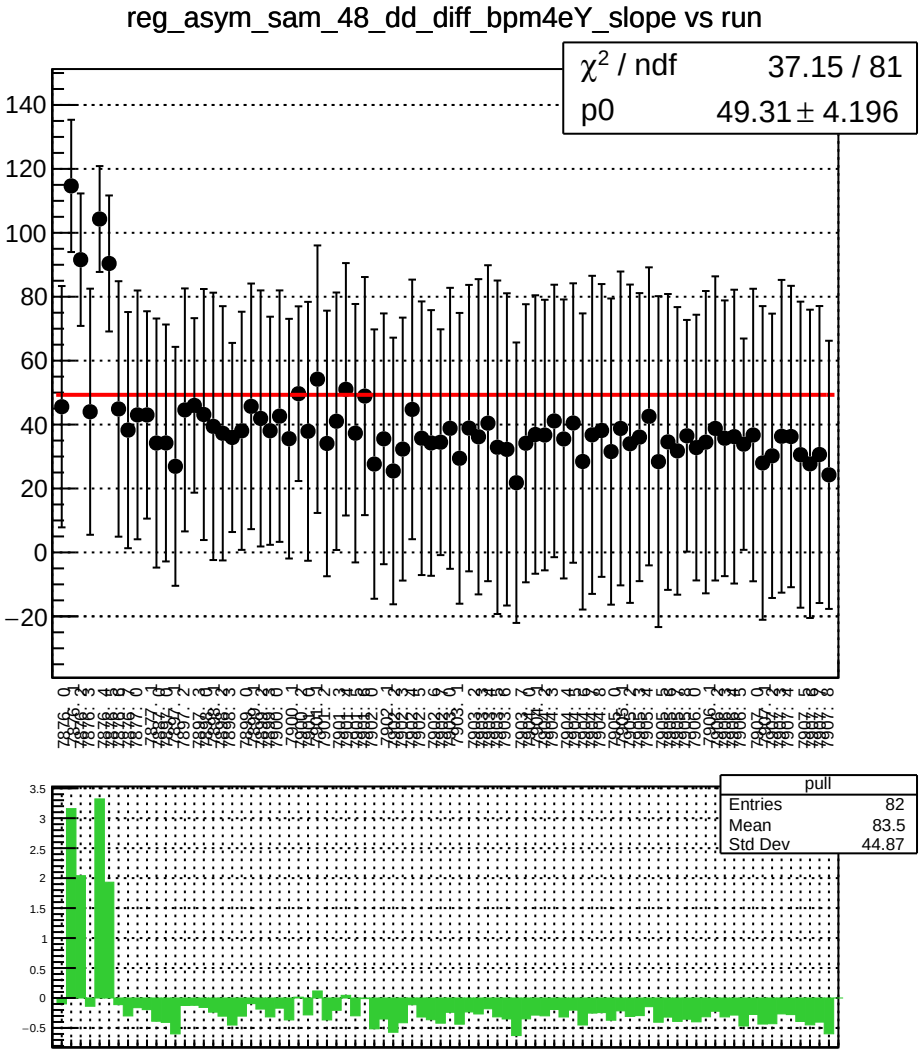

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.16 / 81
p0 62.43 ± 5.3
pull
Entries 82
Mean 81.86
Std Dev 43.74
pull1D
Entries 82
Mean −0.1974
Std Dev 0.8261

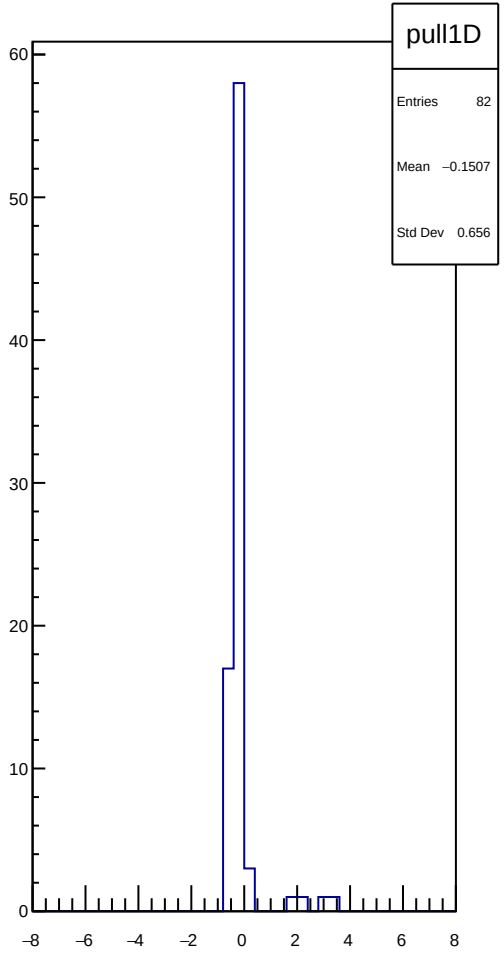

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 13.57 / 81
p0 −2.575 ± 0.1759
pull
Entries 82
Mean 323
Std Dev 286.7
pull1D
Entries 82
Mean −0.02122
Std Dev 0.4062


reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 89.34 / 81
p0 −55.38 ± 3.193
pull
Entries 82
Mean 65.37
Std Dev 23.43
pull1D
Entries 82
Mean −0.4188
Std Dev 0.9561

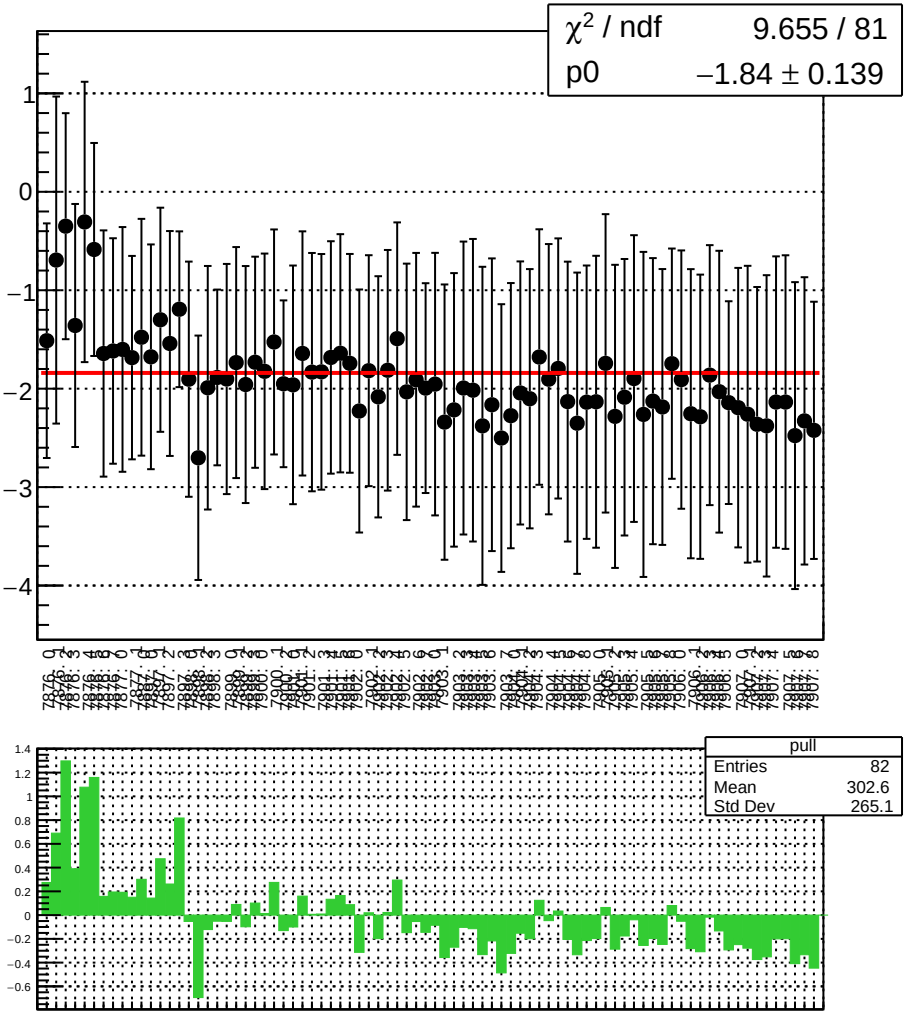

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.43 / 81
p0 59.94 ± 3.41
pull
Entries 82
Mean 68.98
Std Dev 26.44
pull1D
Entries 82
Mean 0.2613
Std Dev 0.7476

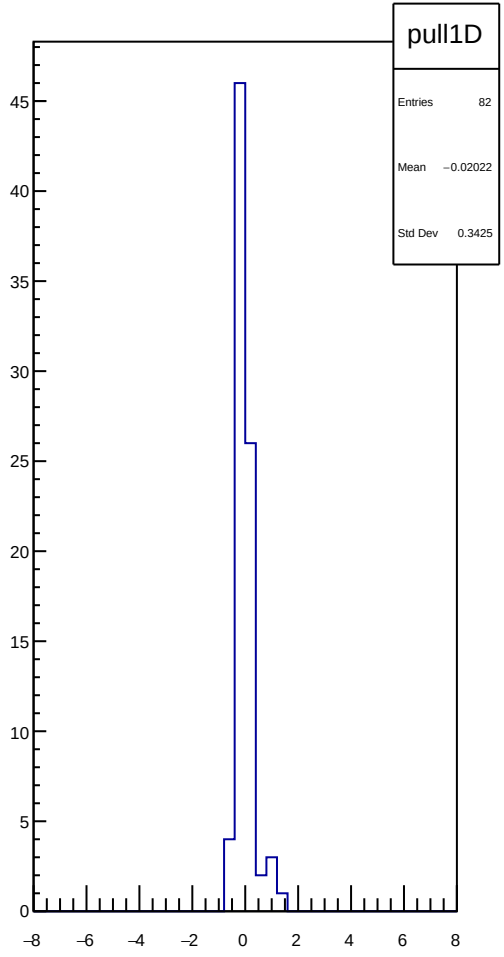

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 106.9 / 81
p0 −43.74 ± 2.591
pull
Entries 82
Mean 62.16
Std Dev 18.83
pull1D
Entries 82
Mean 0.4925
Std Dev 1.03

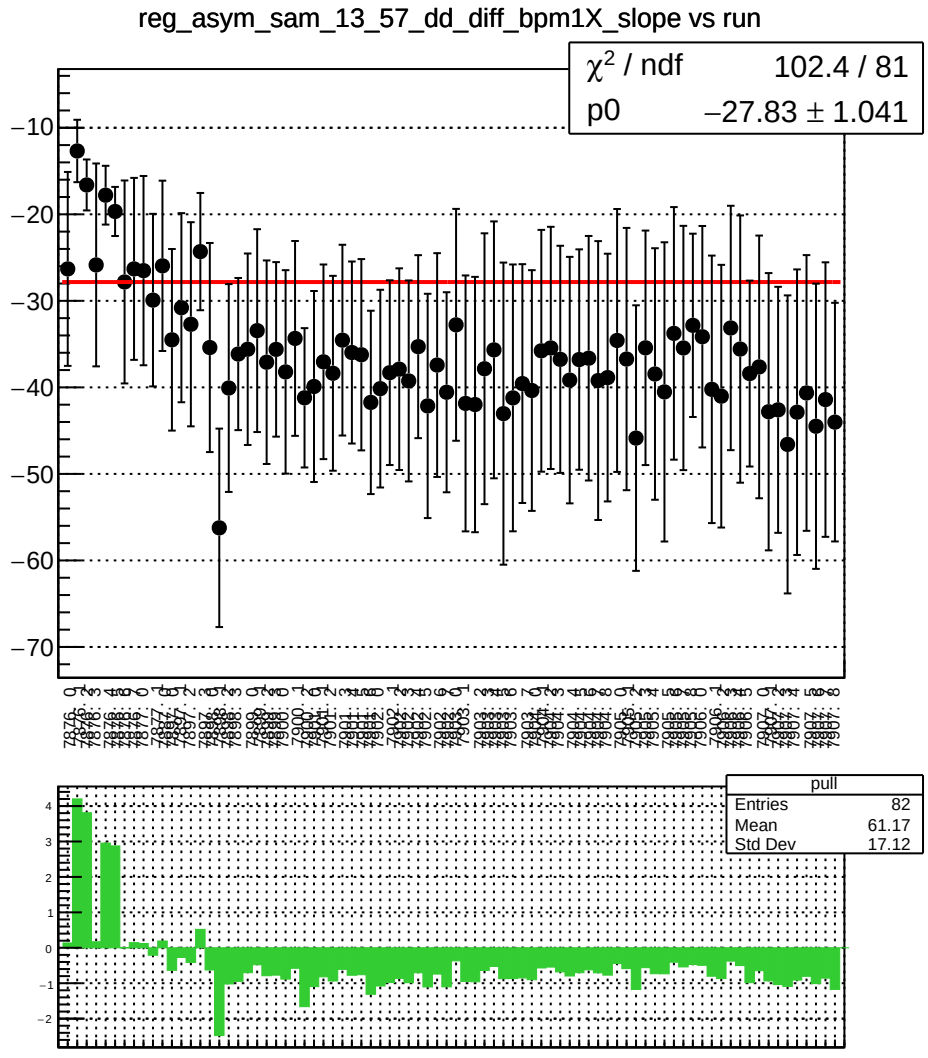

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 37.15 / 81
p0 49.31 ± 4.196
pull
Entries 82
Mean 83.5
Std Dev 44.87

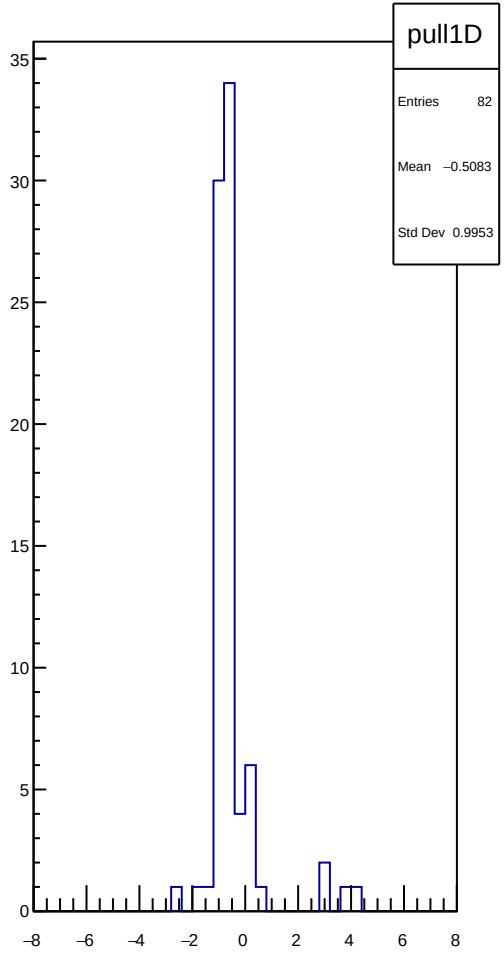

pull1D
Entries 82
Mean −0.1507
Std Dev 0.656

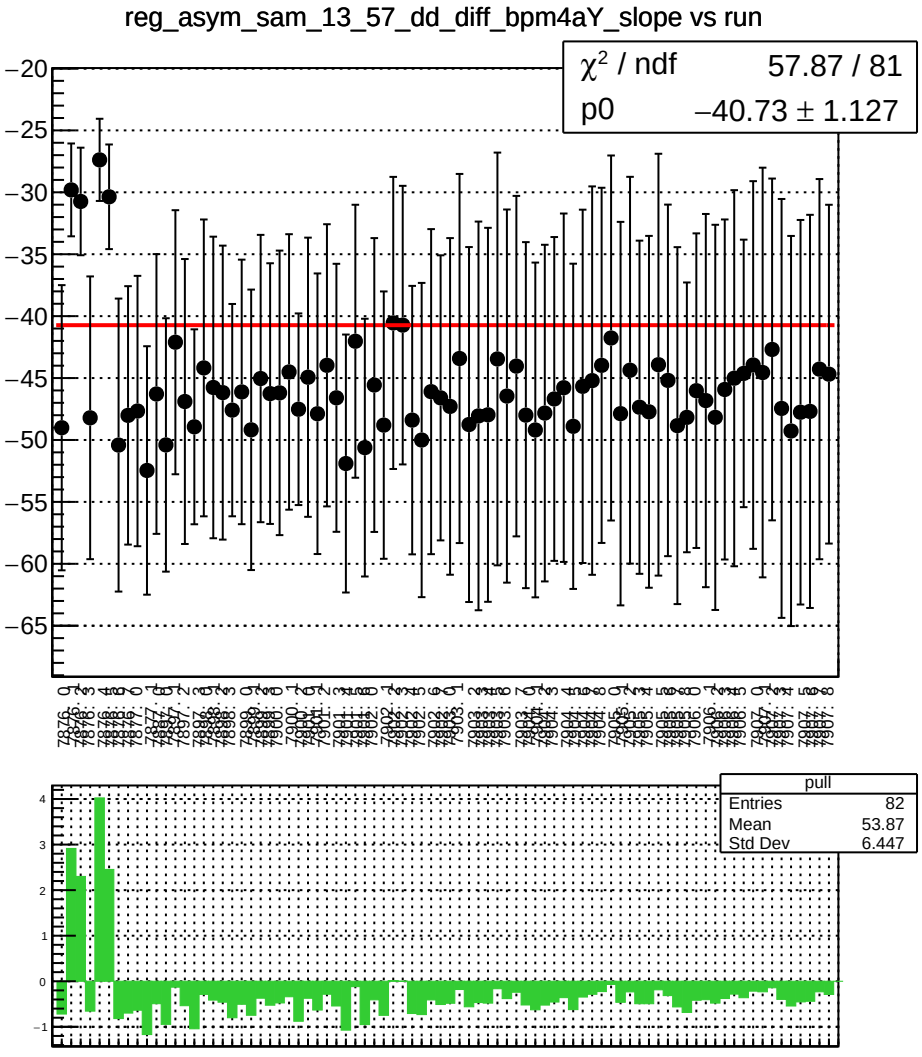
reg_asym_sam_48_dd_diff_bpm12X_slope vs run

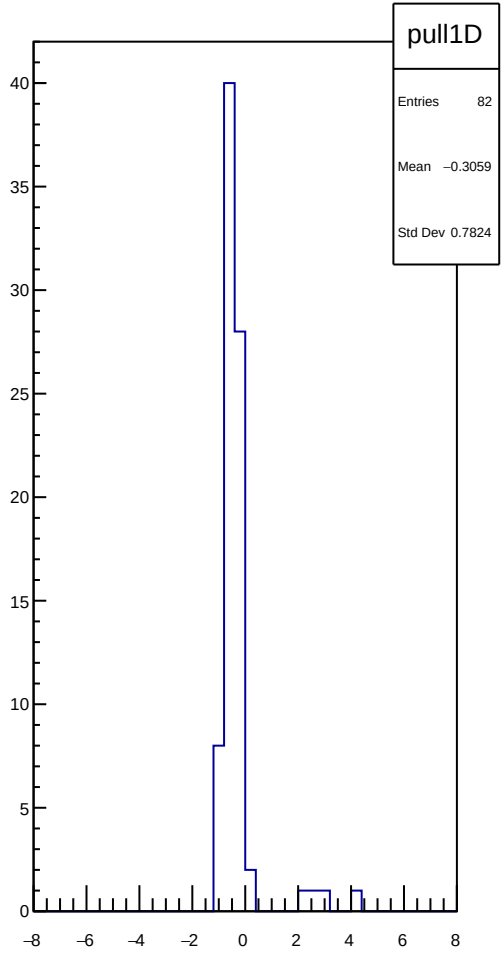


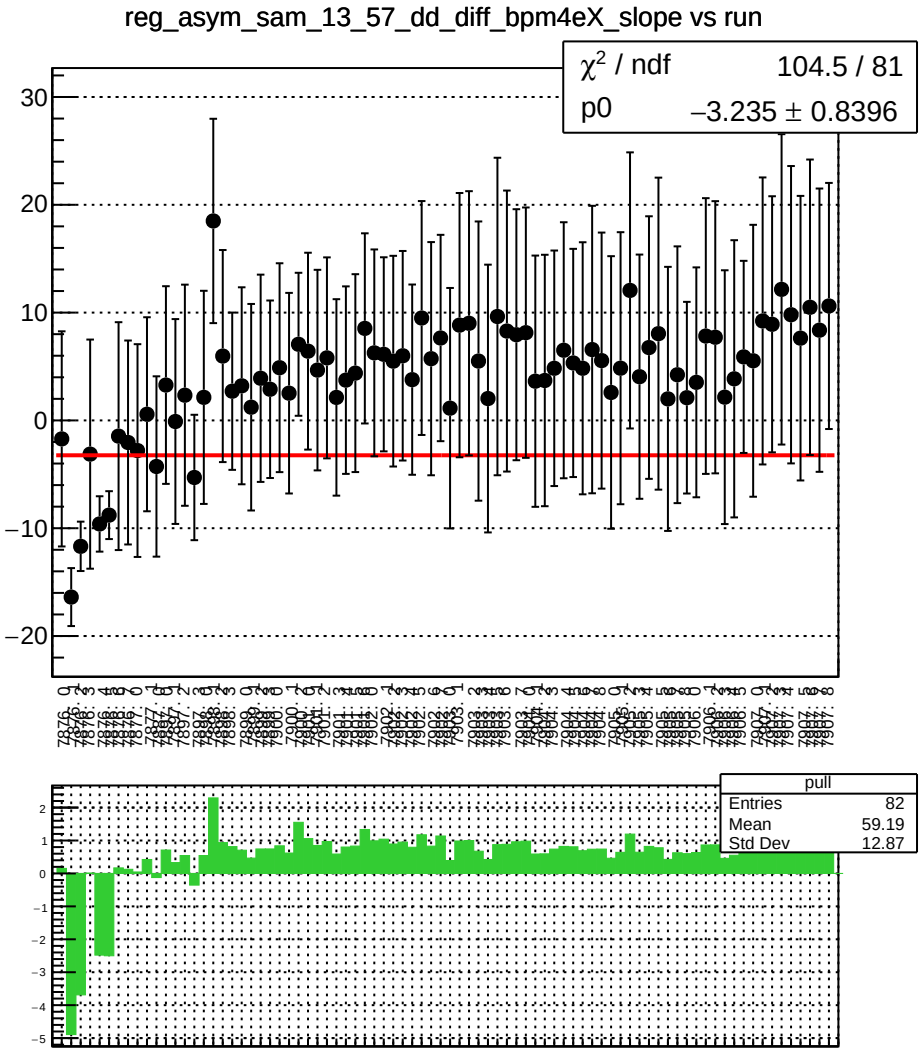


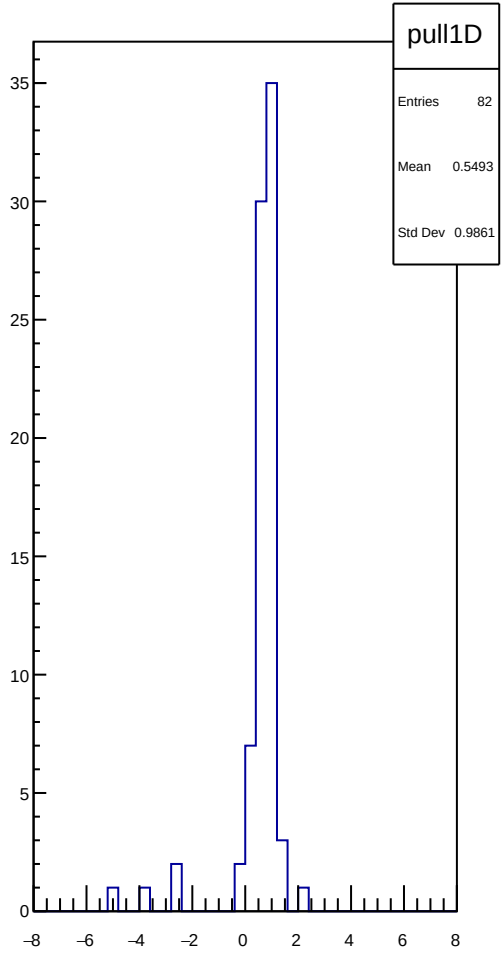

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 102.4 / 81
p0 −27.83 ± 1.041
pull
Entries 82
Mean 61.17
Std Dev 17.12

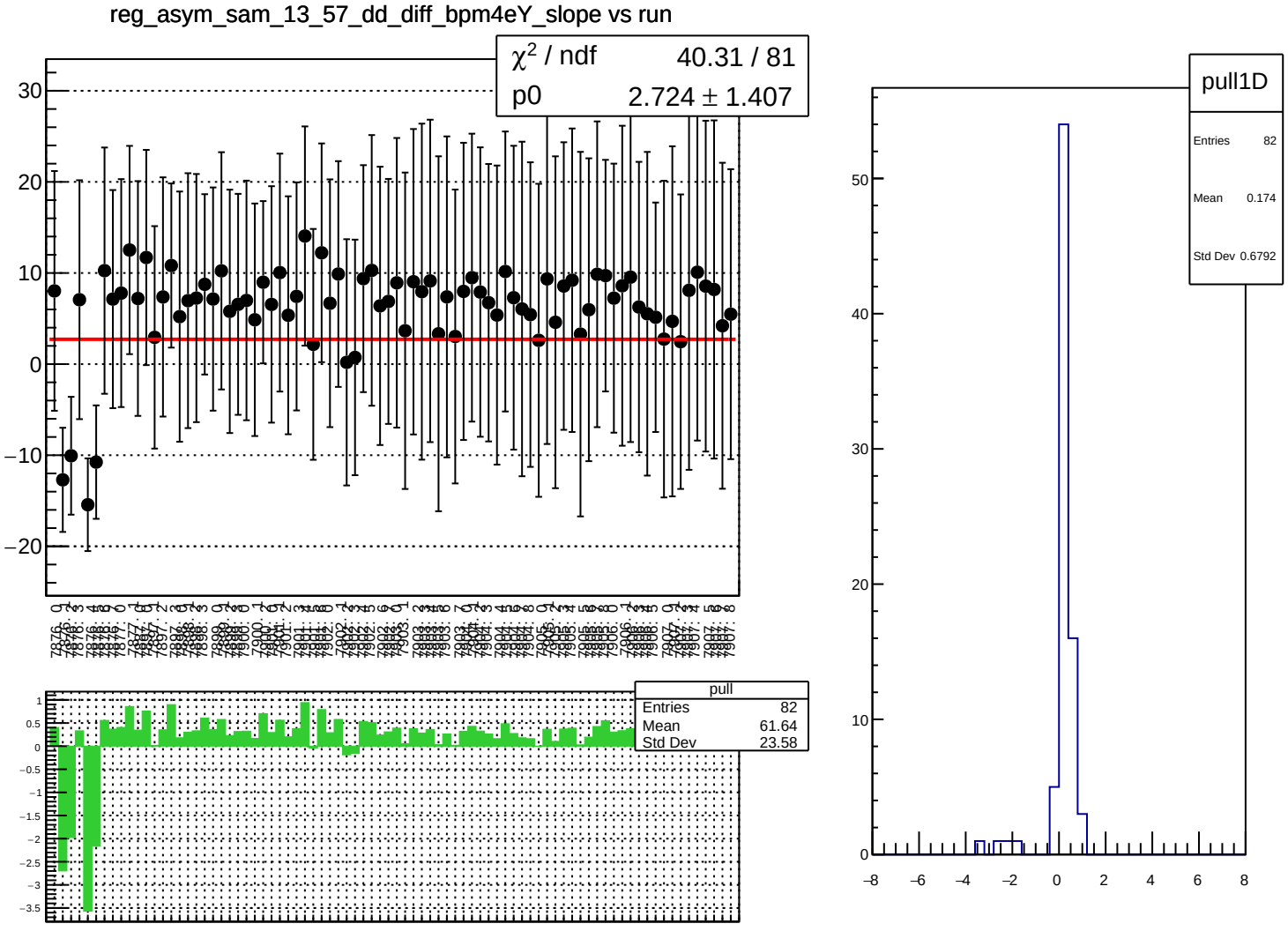

pull1D
Entries 82
Mean −0.5083
Std Dev 0.9953

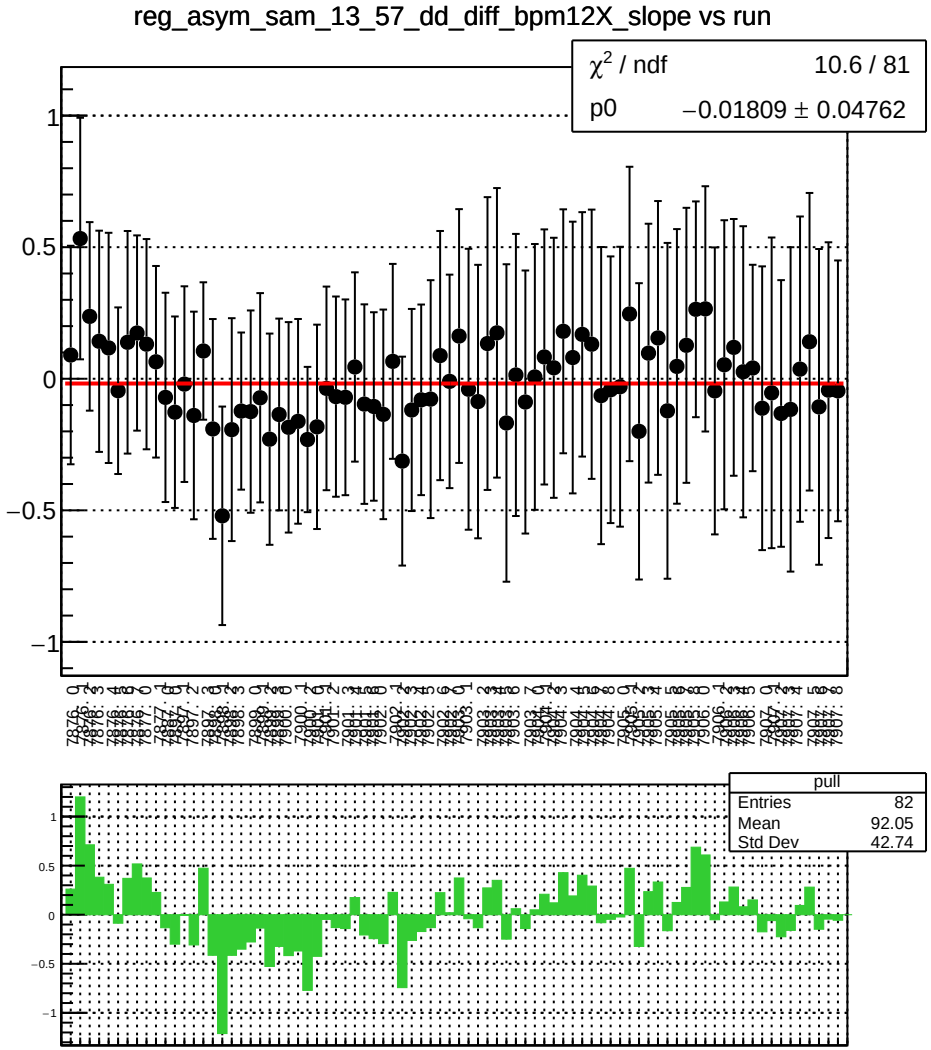

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.87 / 81
p0 −40.73 ± 1.127
pull
Entries 82
Mean 53.87
Std Dev 6.447

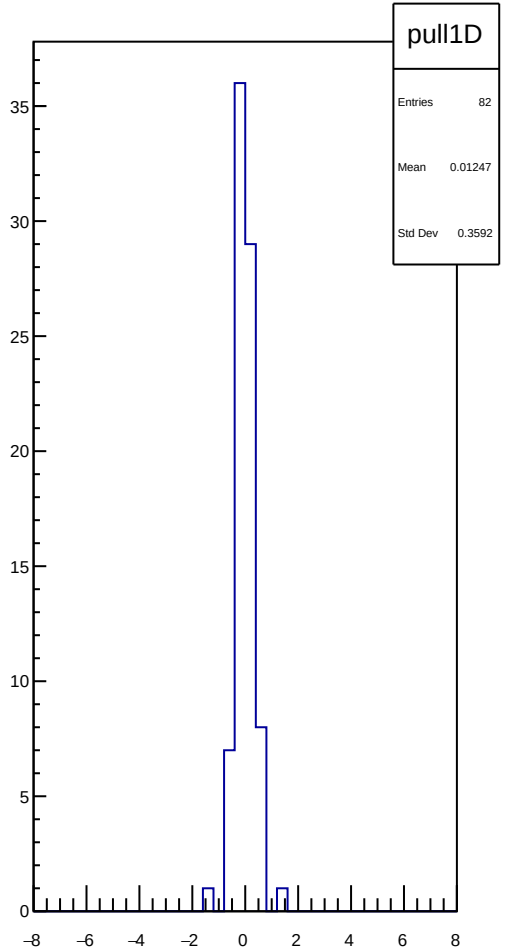

pull1D
Entries 82
Mean −0.3059
Std Dev 0.7824

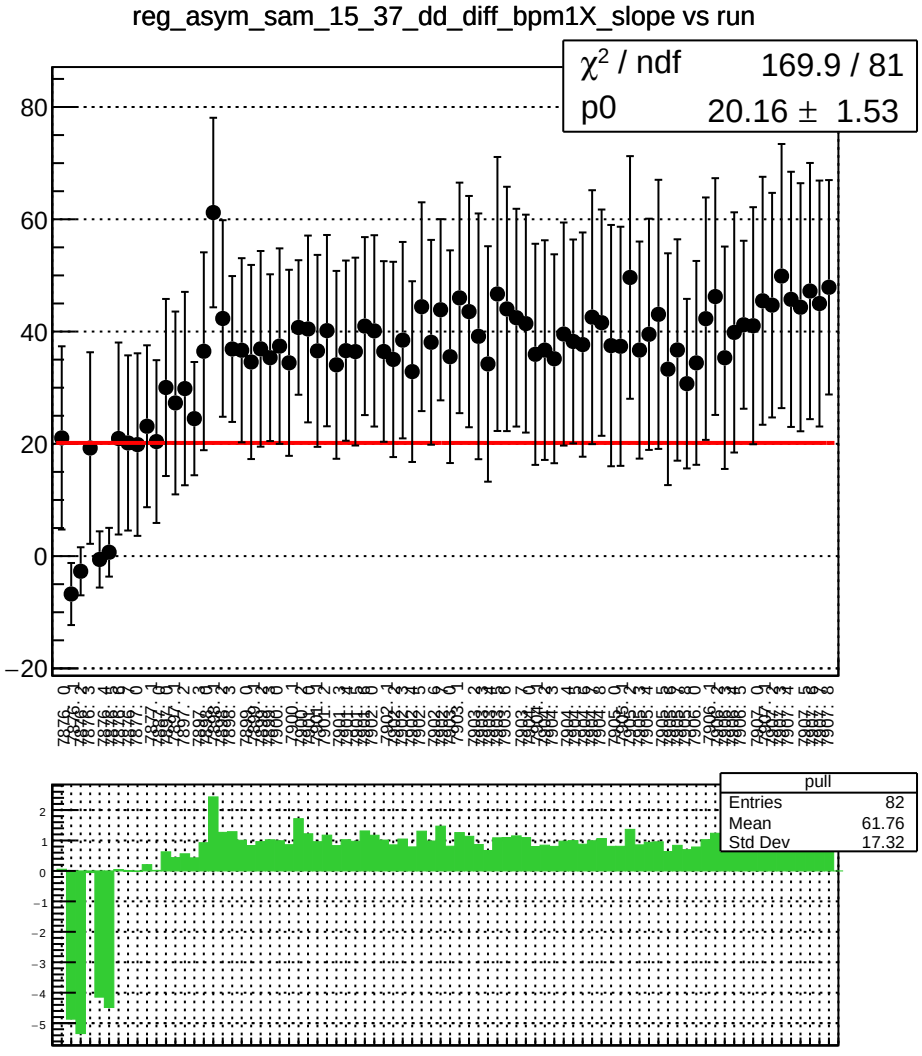

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 104.5 / 81
p0 −3.235 ± 0.8396
pull
Entries 82
Mean 59.19
Std Dev 12.87

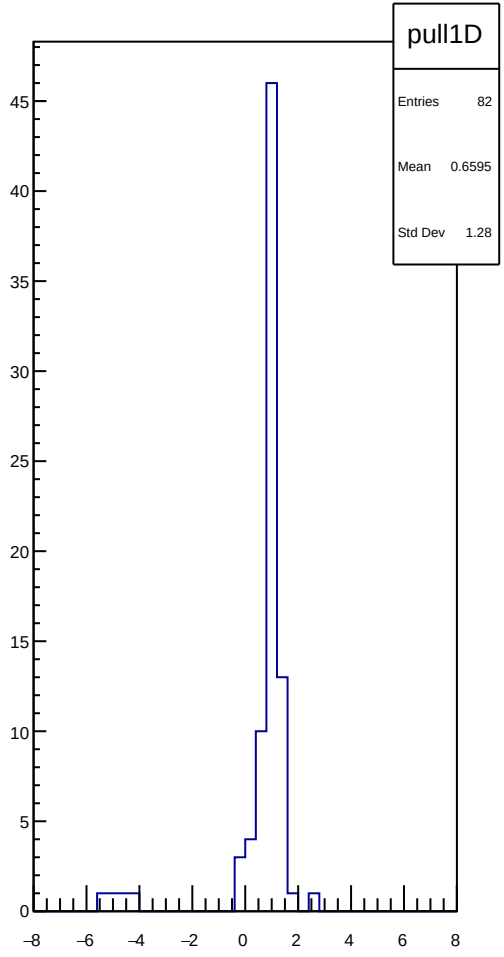

pull1D
Entries 82
Mean 0.5493
Std Dev 0.9861

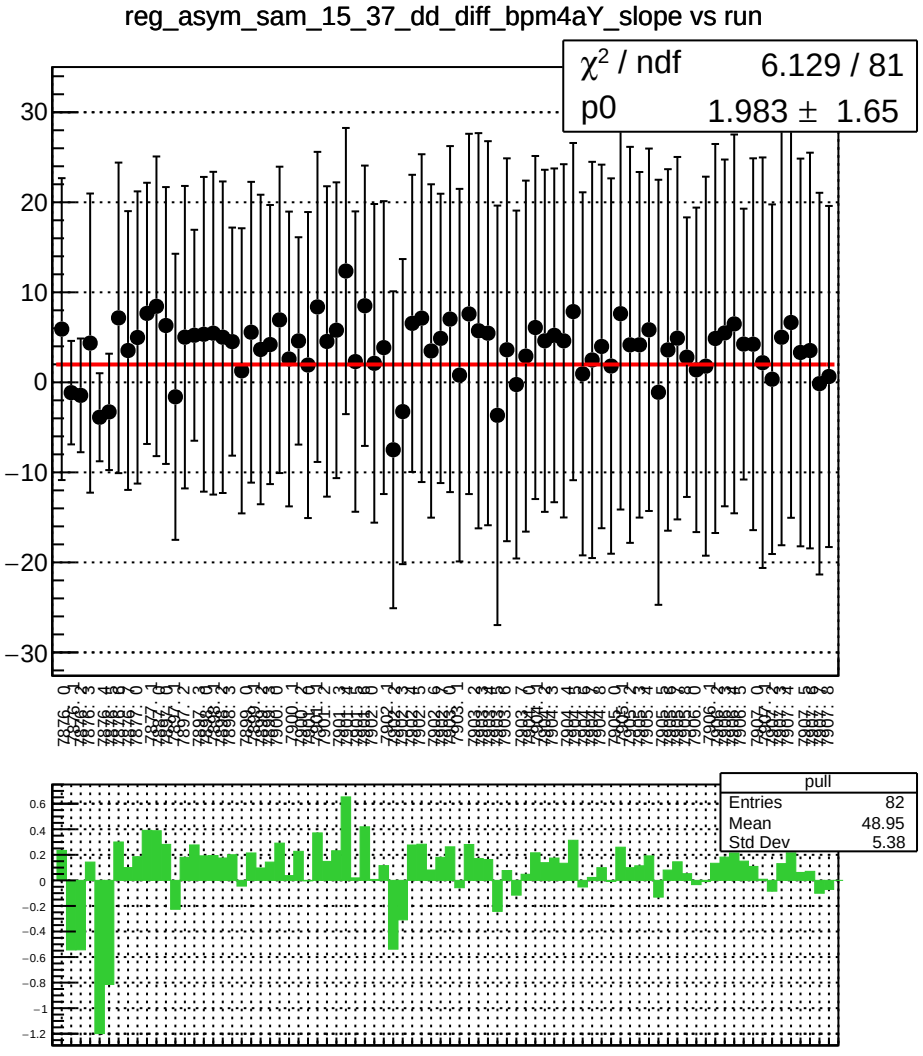

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.31 / 81
p0 2.724 ± 1.407
pull
Entries 82
Mean 61.64
Std Dev 23.58
pull1D
Entries 82
Mean 0.174
Std Dev 0.6792

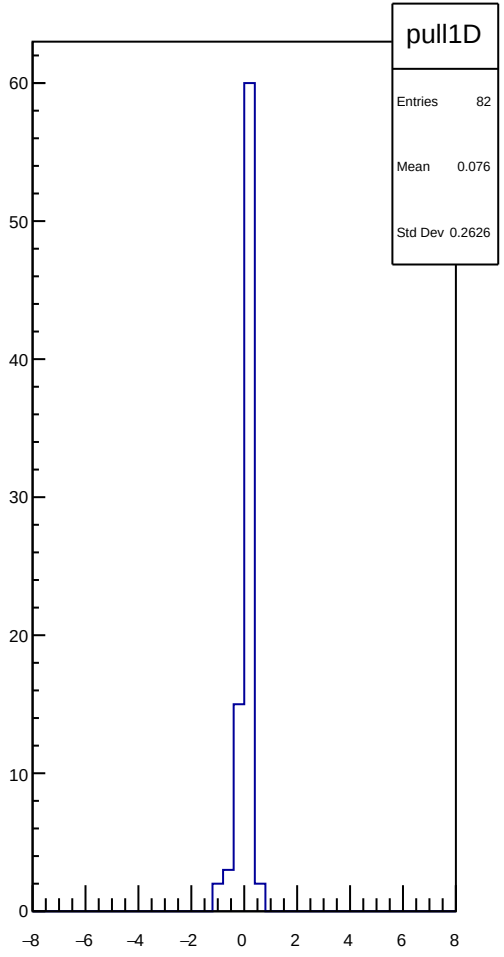

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.6 / 81
p0 −0.01809 ± 0.04762
pull
Entries 82
Mean 92.05
Std Dev 42.74

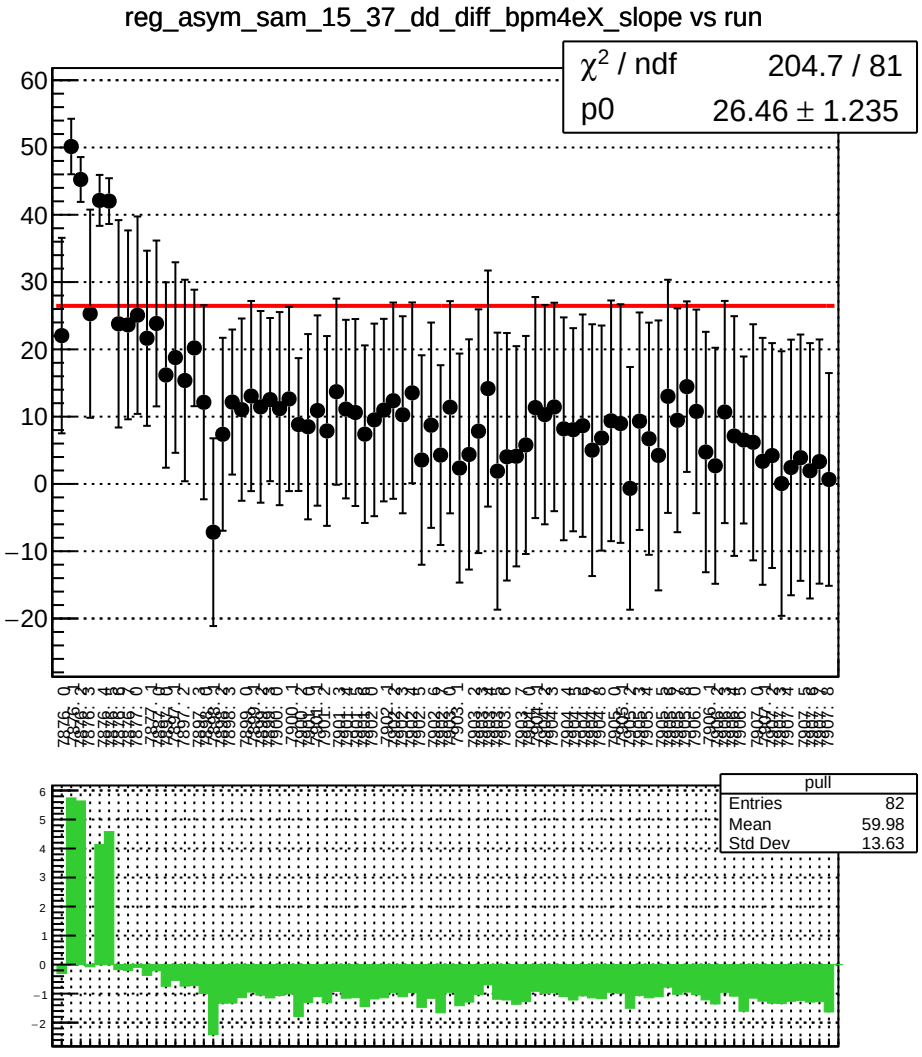

pull1D
Entries 82
Mean 0.01247
Std Dev 0.3592

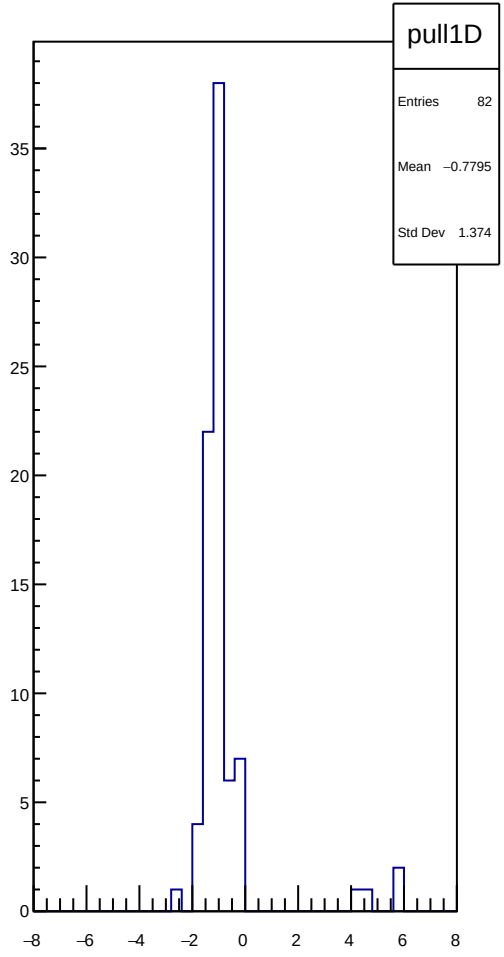

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 169.9 / 81
p0 20.16 ± 1.53
pull
Entries 82
Mean 61.76
Std Dev 17.32

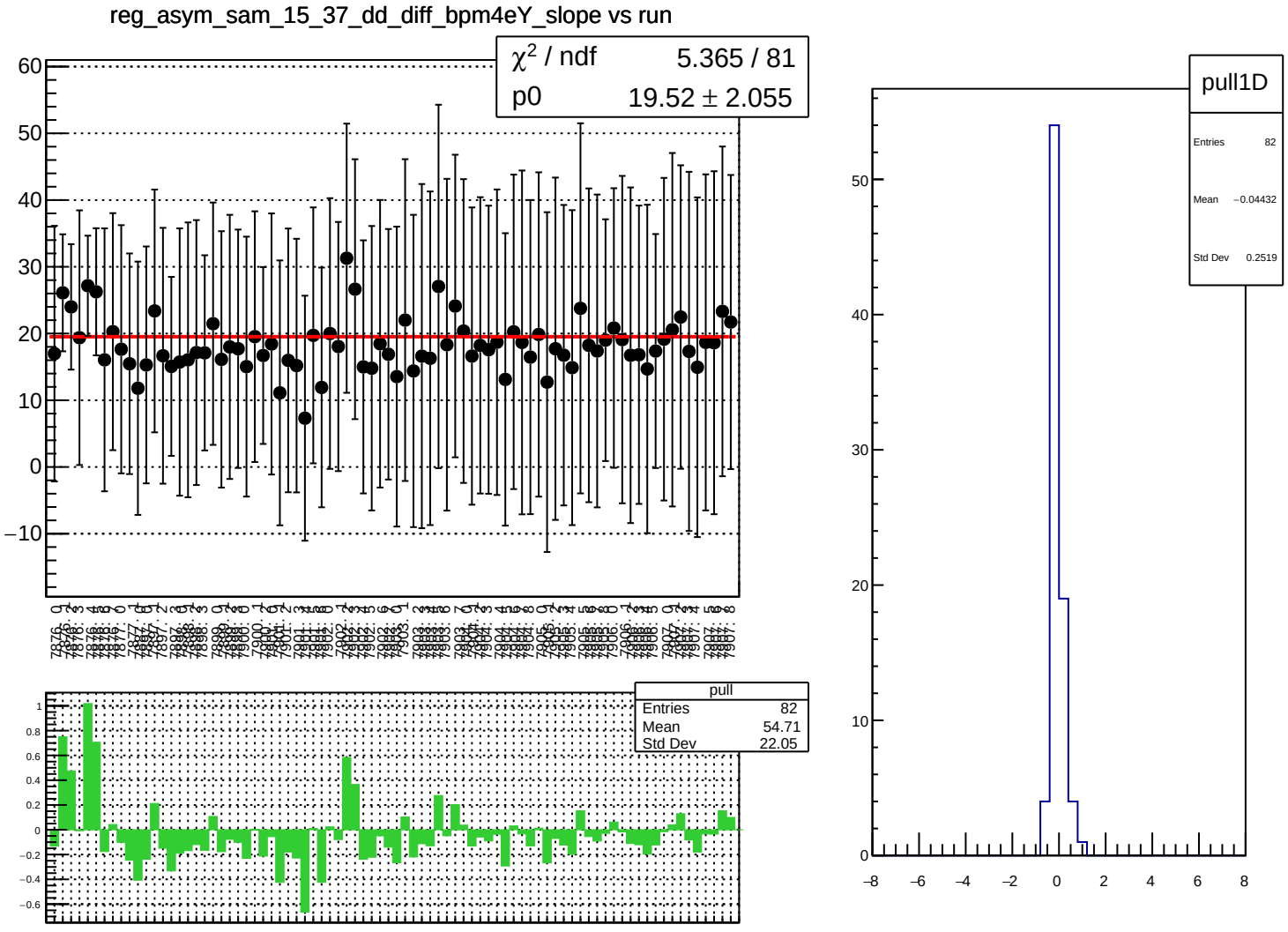

pull1D
Entries 82
Mean 0.6595
Std Dev 1.28

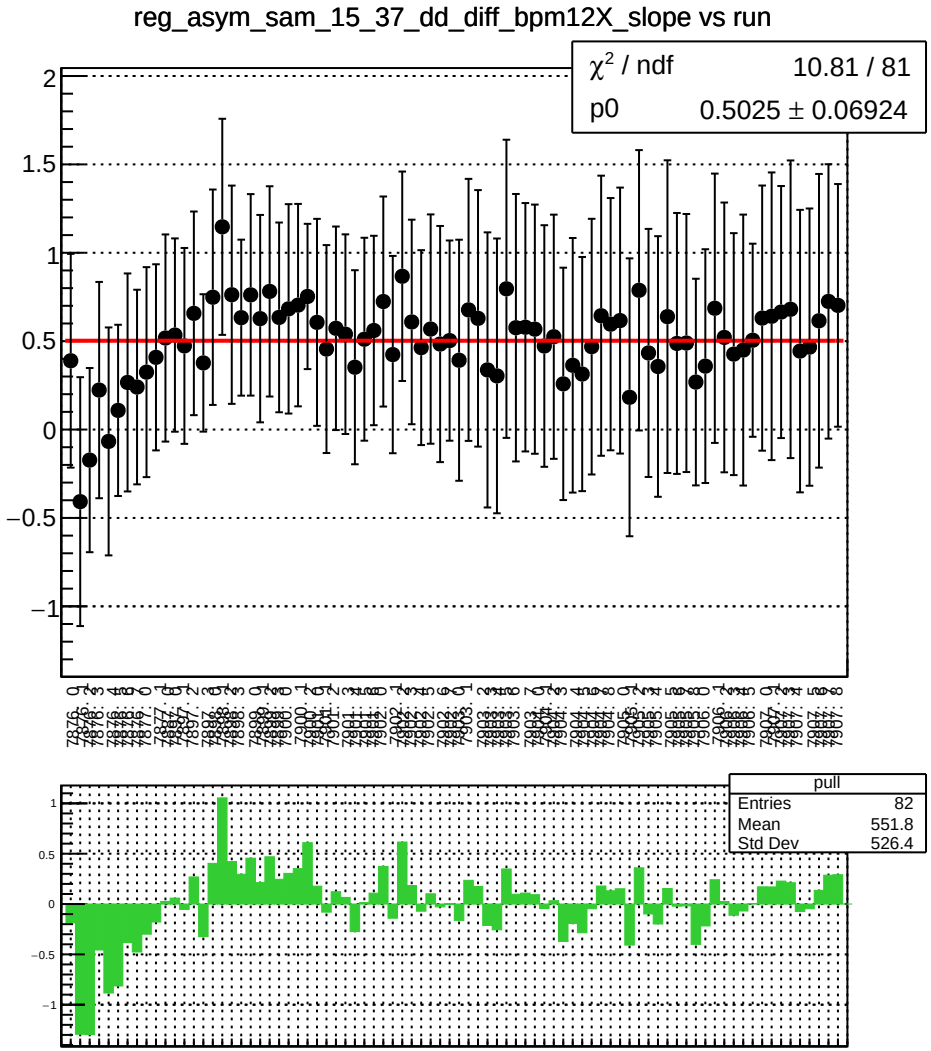

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.129 / 81
p0 1.983 ± 1.65
pull
Entries 82
Mean 48.95
Std Dev 5.38

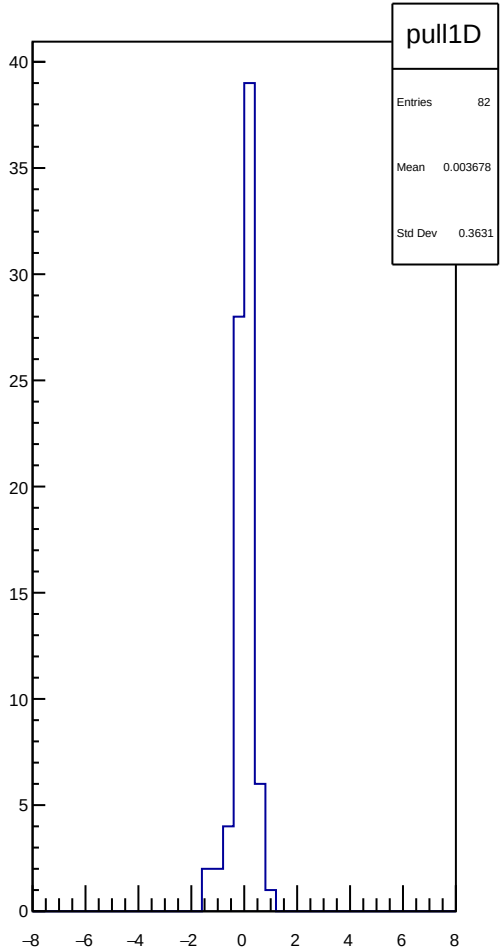

pull1D
Entries 82
Mean 0.076
Std Dev 0.2626

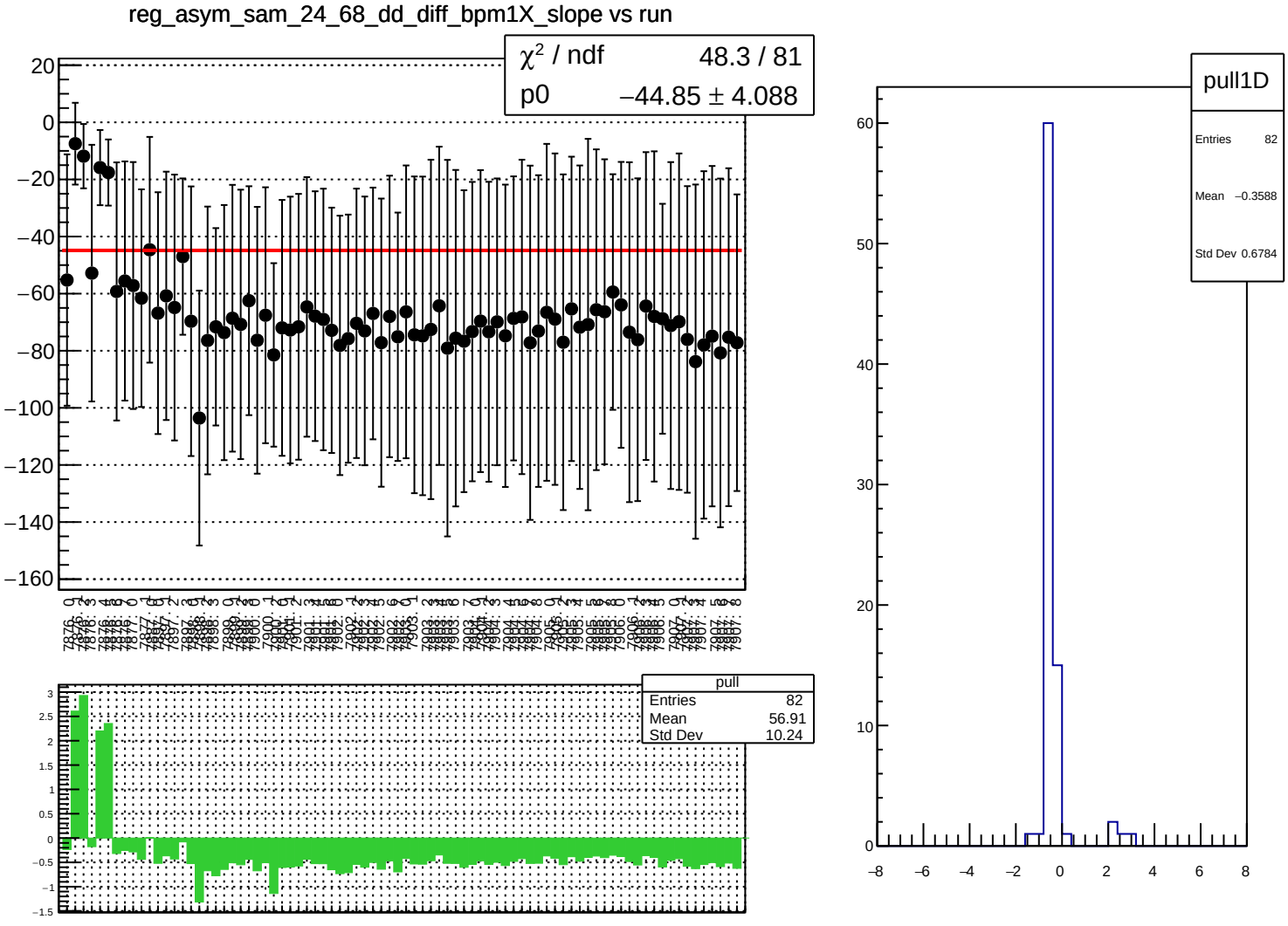

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 204.7 / 81
p0 26.46 ± 1.235
pull
Entries 82
Mean 59.98
Std Dev 13.63

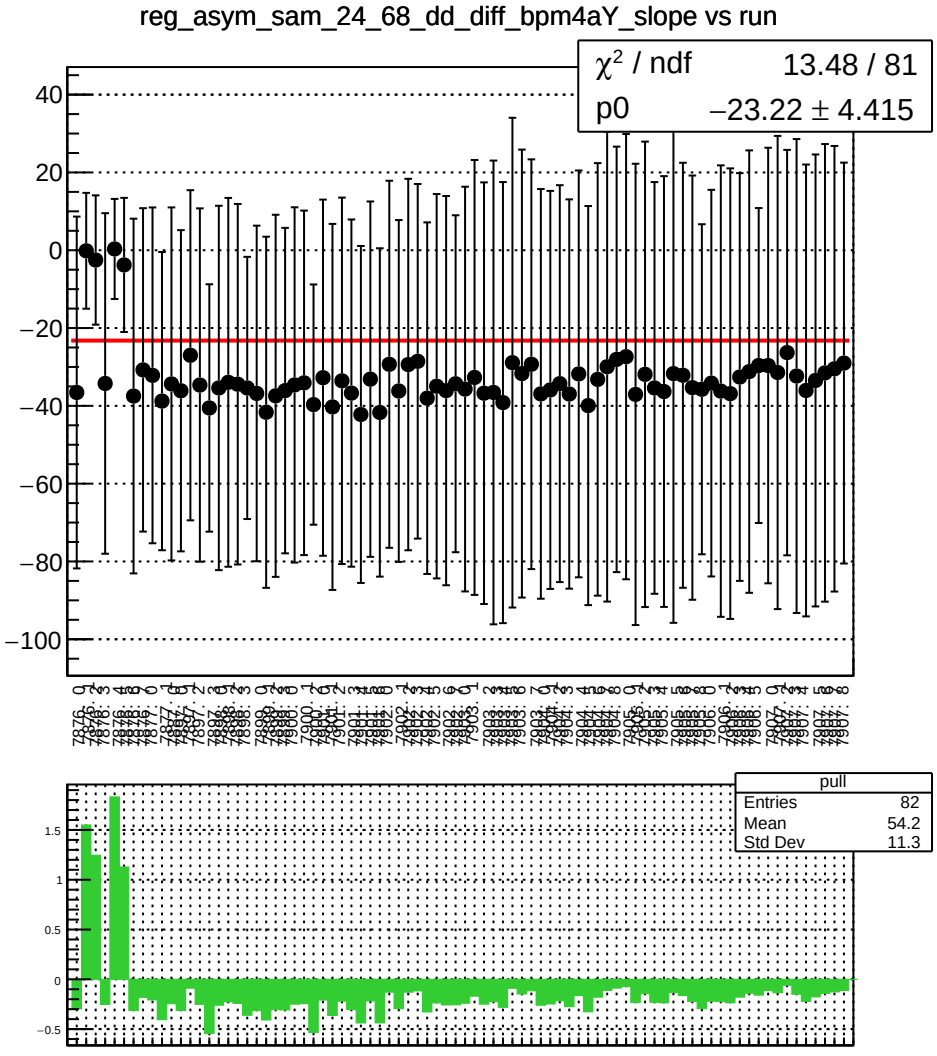

pull1D
Entries 82
Mean −0.7795
Std Dev 1.374

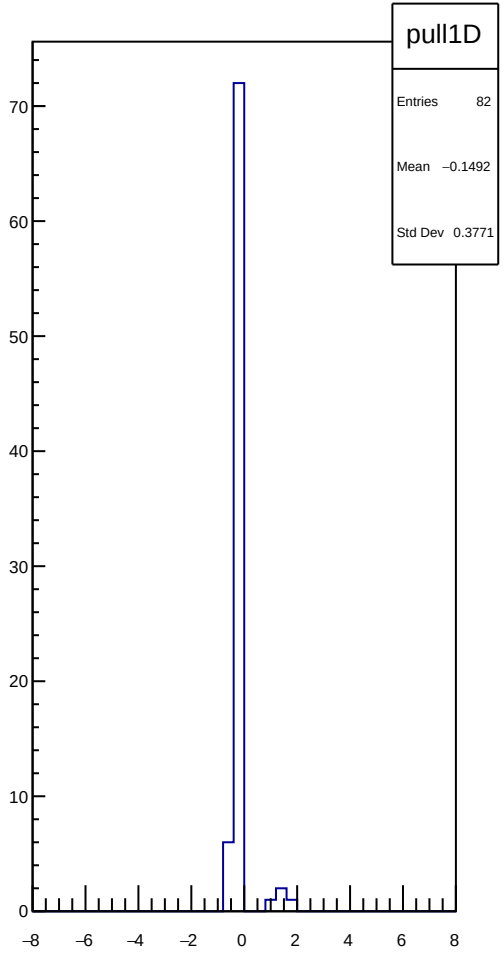

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.365 / 81
p0 19.52 ± 2.055
pull
Entries 82
Mean 54.71
Std Dev 22.05
pull1D
Entries 82
Mean −0.04432
Std Dev 0.2519

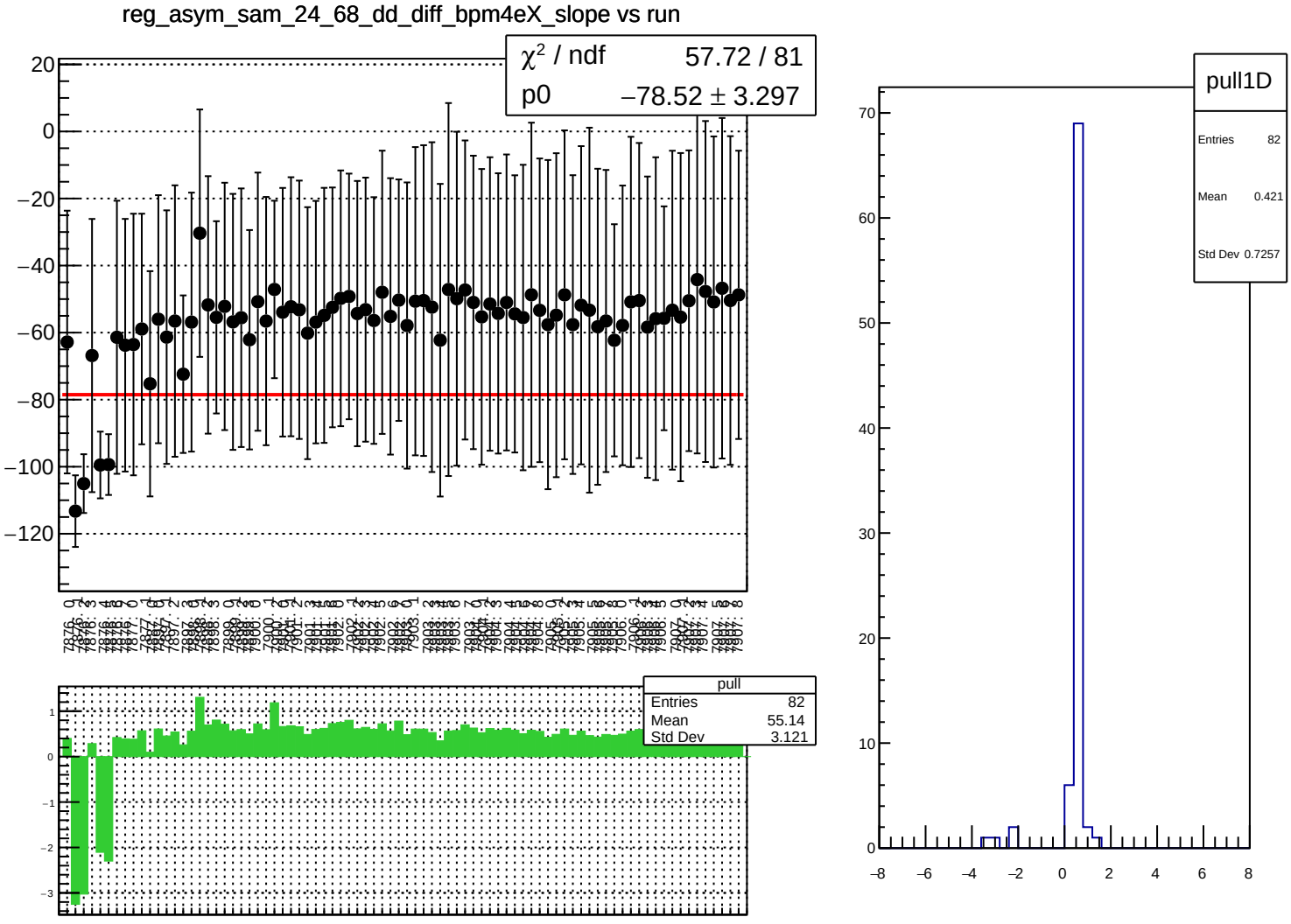

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 10.81 / 81
p0 0.5025 ± 0.06924
pull
Entries 82
Mean 551.8
Std Dev 526.4

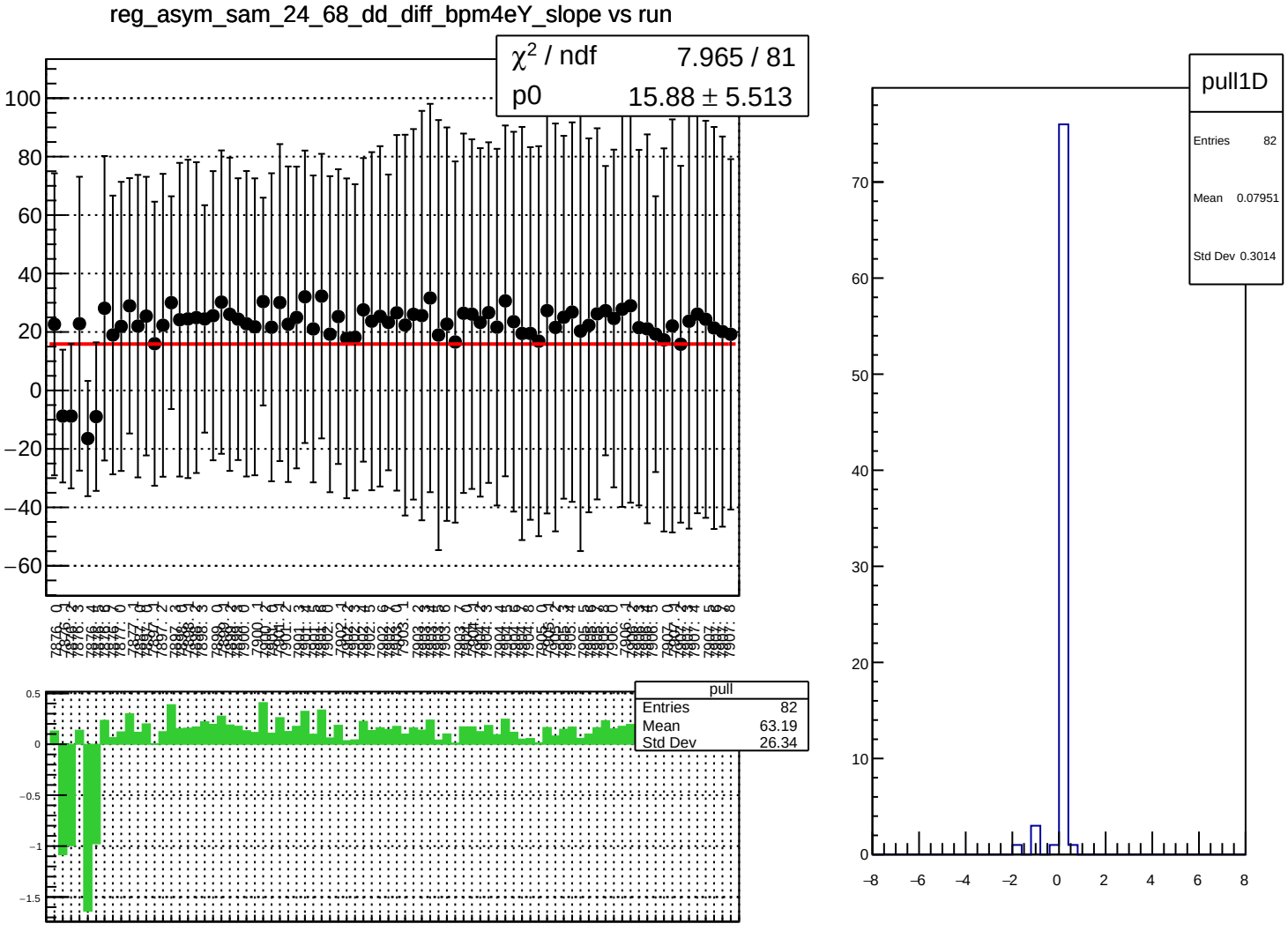

pull1D
Entries 82
Mean 0.003678
Std Dev 0.3631

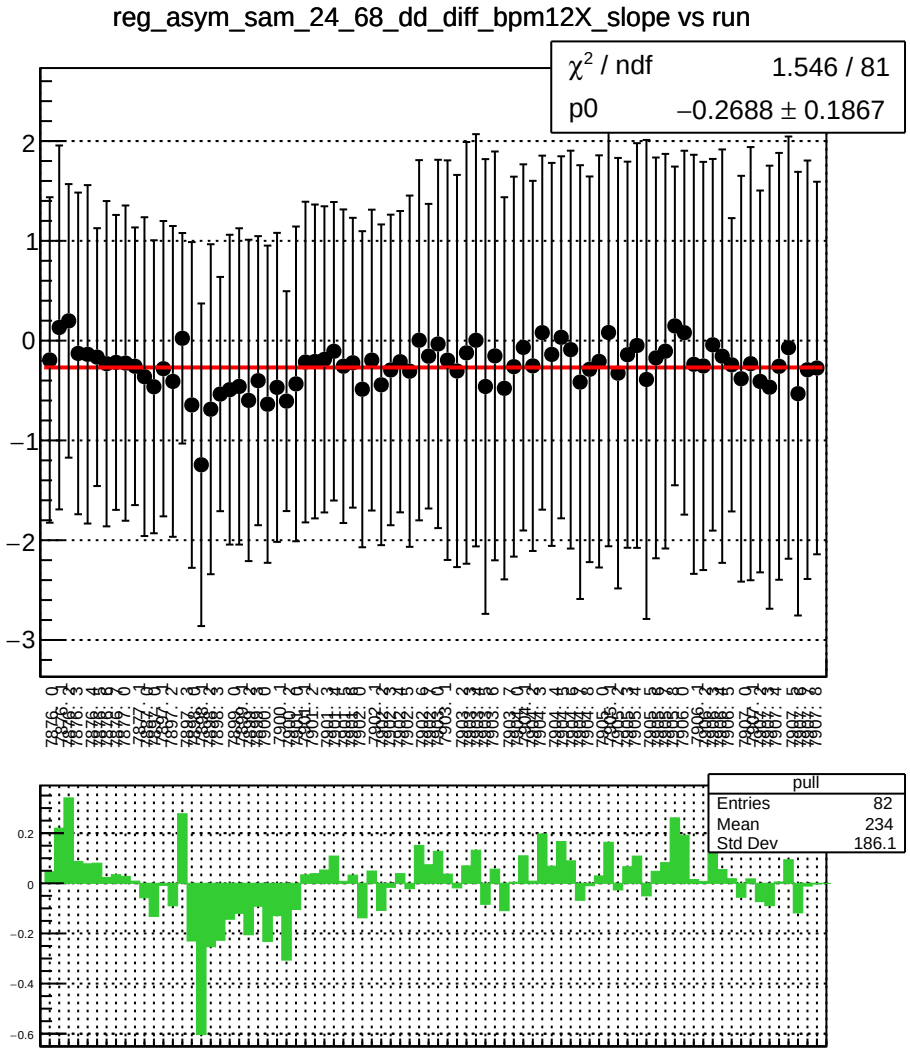

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 48.3 / 81
p0 −44.85 ± 4.088
pull
Entries 82
Mean 56.91
Std Dev 10.24
pull1D
Entries 82
Mean −0.3588
Std Dev 0.6784

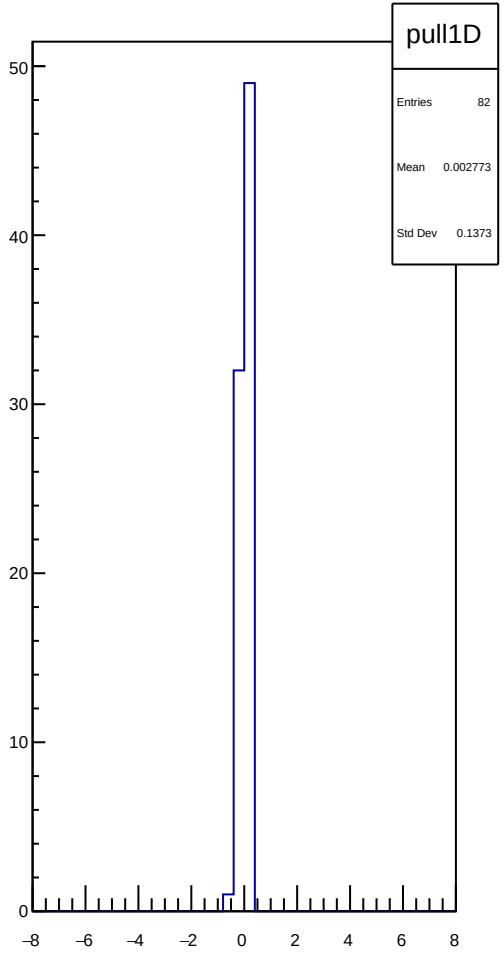

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.48 / 81
p0 −23.22 ± 4.415
pull
Entries 82
Mean 54.2
Std Dev 11.3

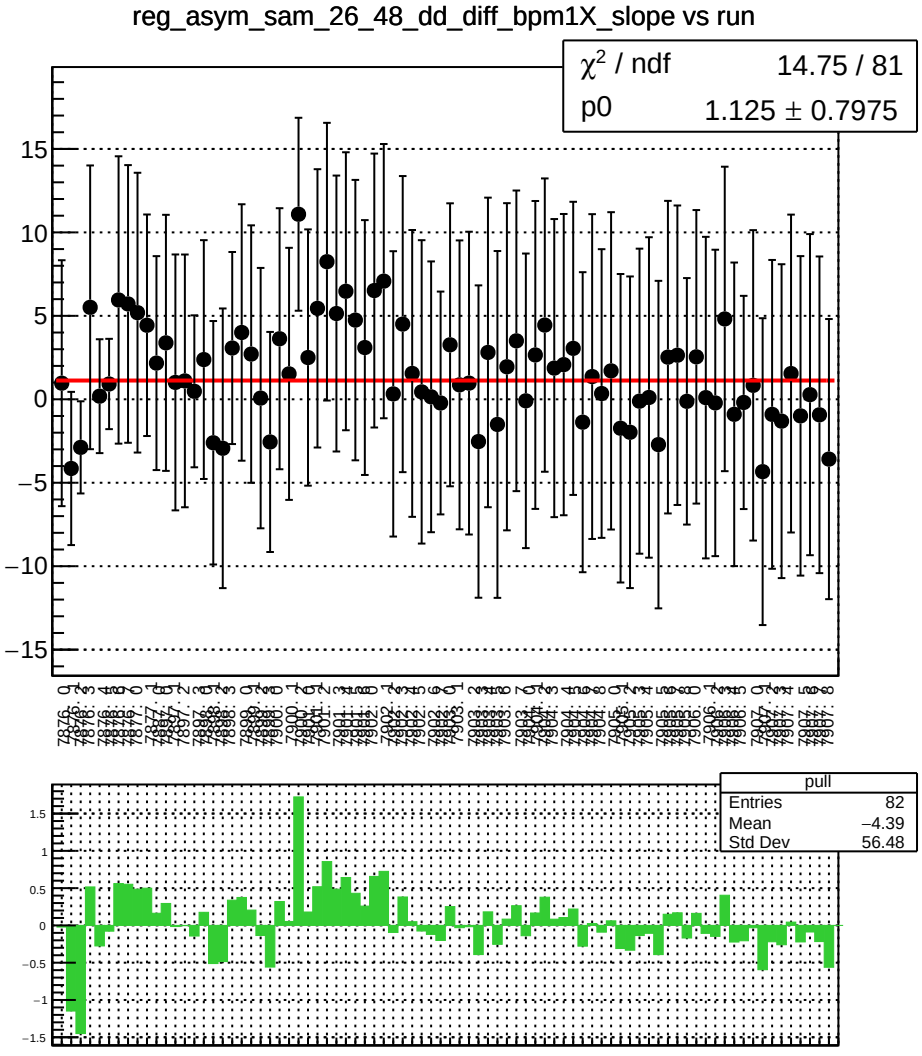

pull1D
Entries 82
Mean −0.1492
Std Dev 0.3771

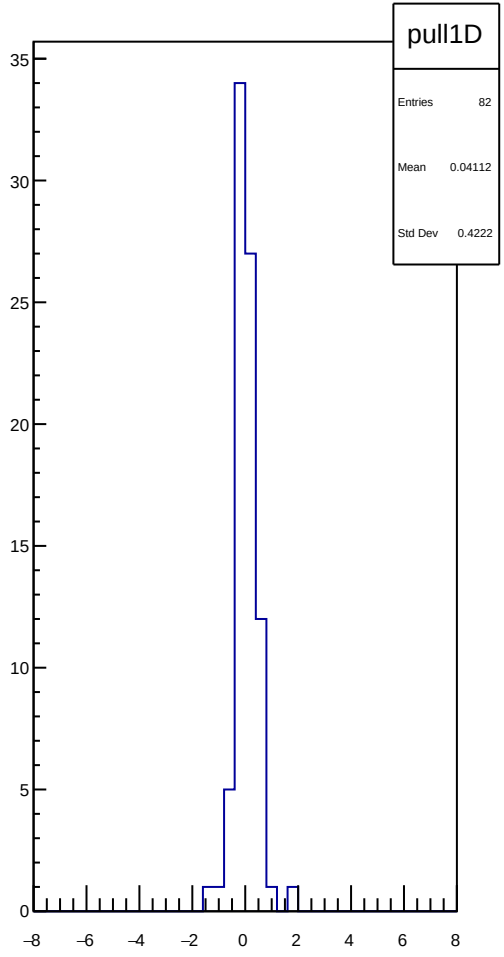

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.72 / 81
p0 −78.52 ± 3.297
pull
Entries 82
Mean 55.14
Std Dev 3.121
pull1D
Entries 82
Mean 0.421
Std Dev 0.7257

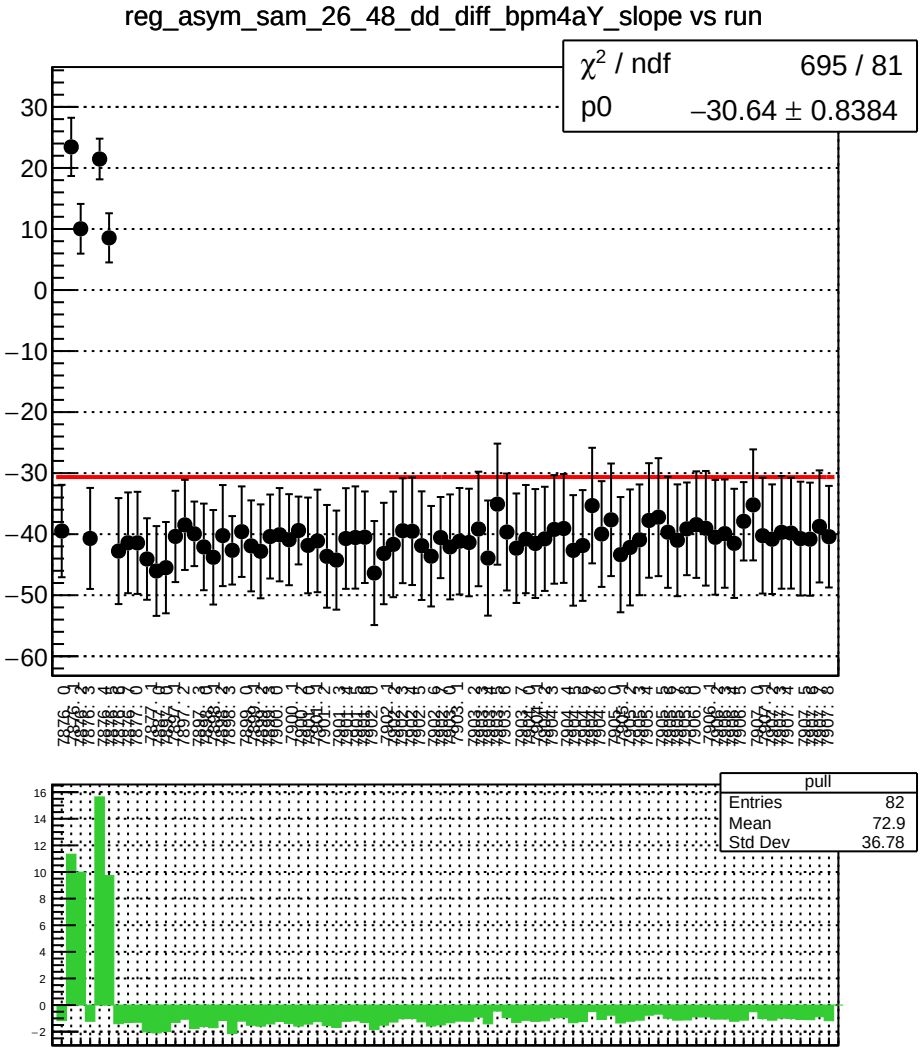

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.965 / 81
p0 15.88 ± 5.513
pull
Entries 82
Mean 63.19
Std Dev 26.34
pull1D
Entries 82
Mean 0.07951
Std Dev 0.3014

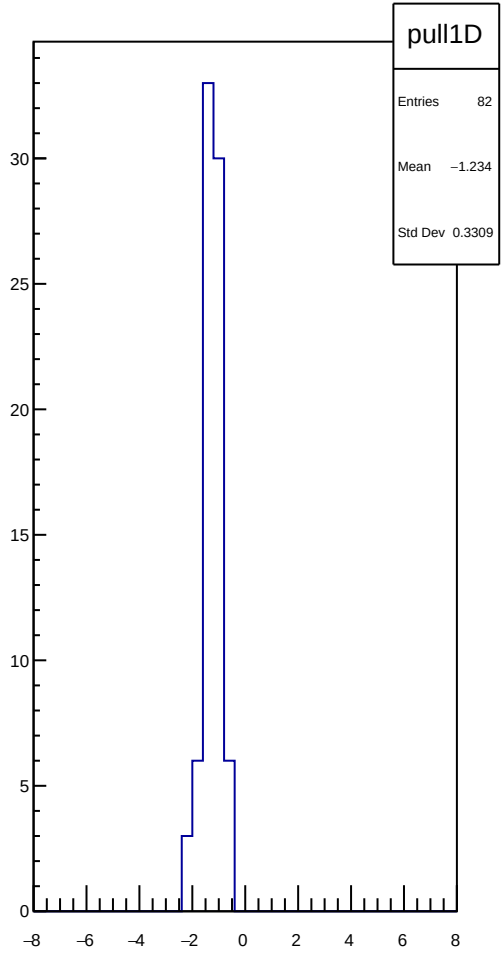

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.546 / 81
p0 −0.2688 ± 0.1867
pull
Entries 82
Mean 234
Std Dev 186.1

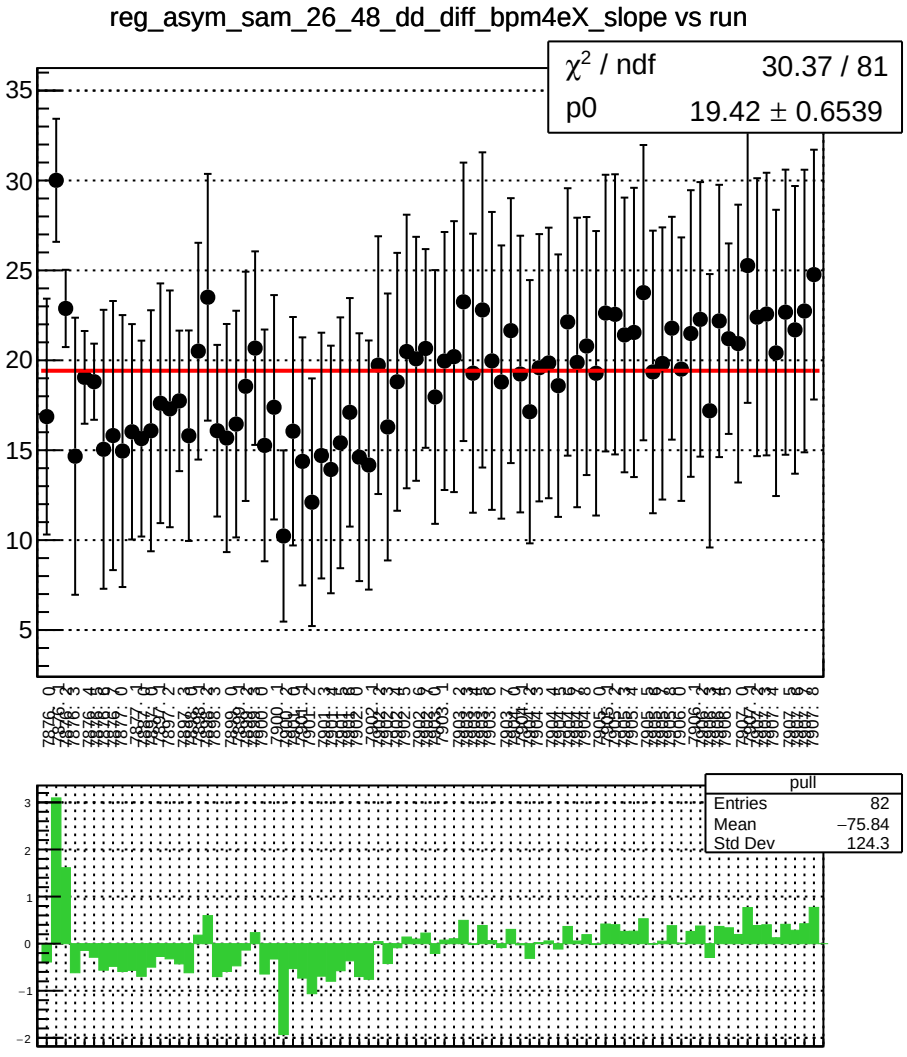

pull1D
Entries 82
Mean 0.002773
Std Dev 0.1373

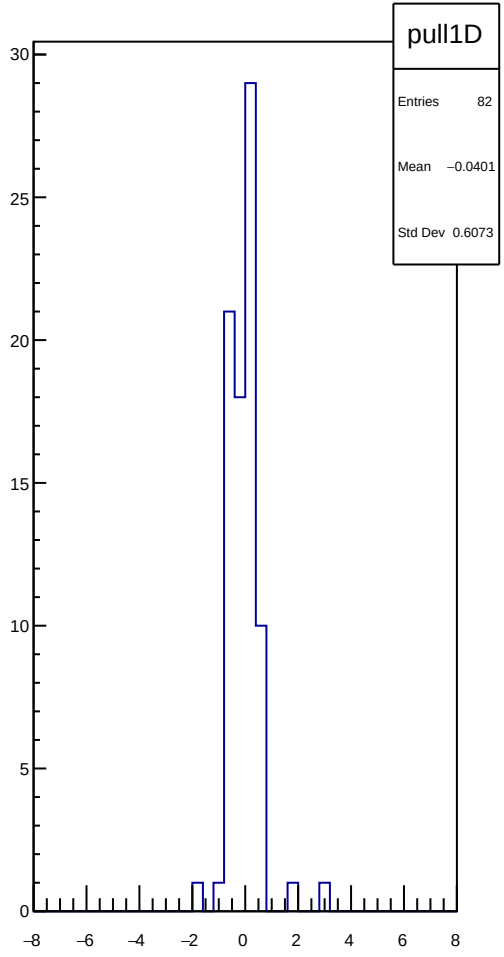

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 14.75 / 81
p0 1.125 ± 0.7975
pull
Entries 82
Mean −4.39
Std Dev 56.48

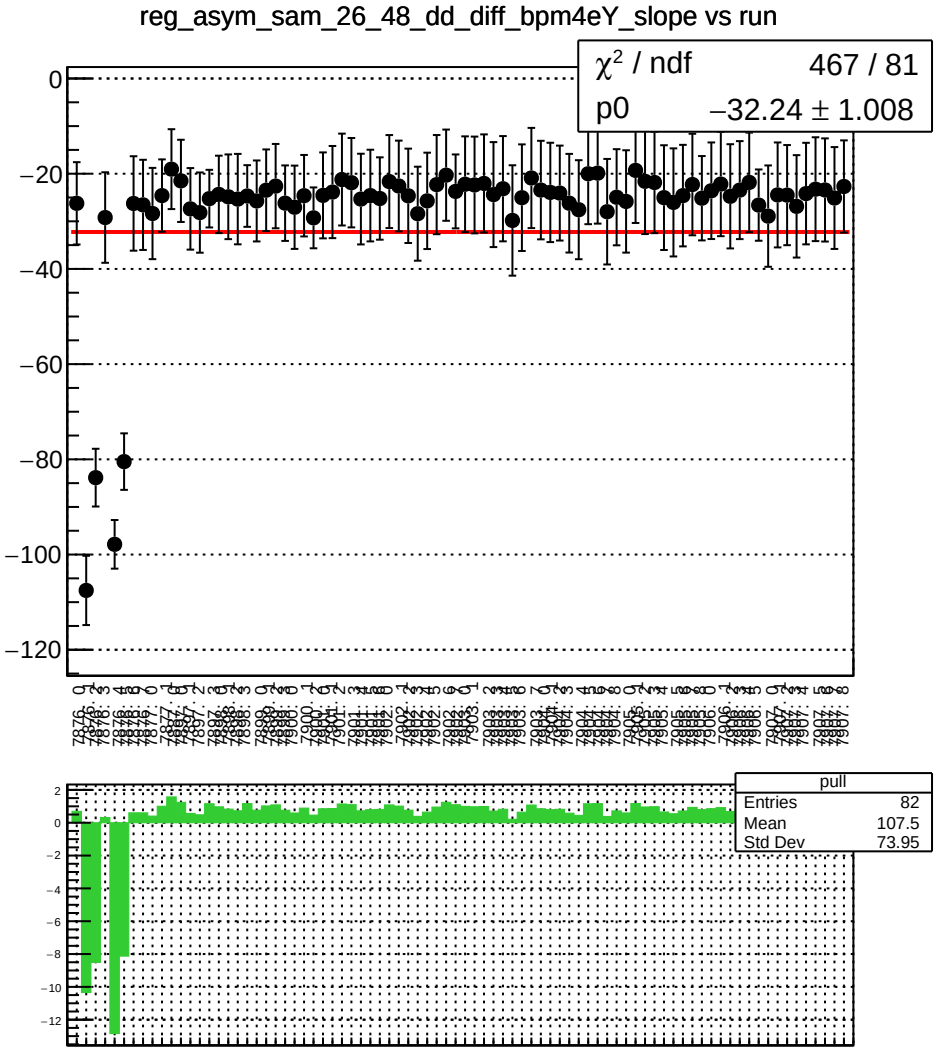

pull1D
Entries 82
Mean 0.04112
Std Dev 0.4222

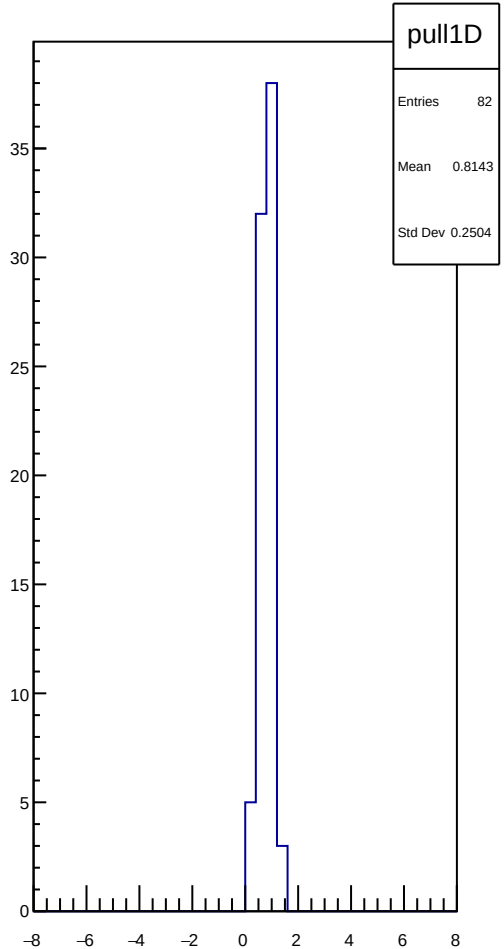

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 695 / 81
p0 −30.64 ± 0.8384
pull
Entries 82
Mean 72.9
Std Dev 36.78

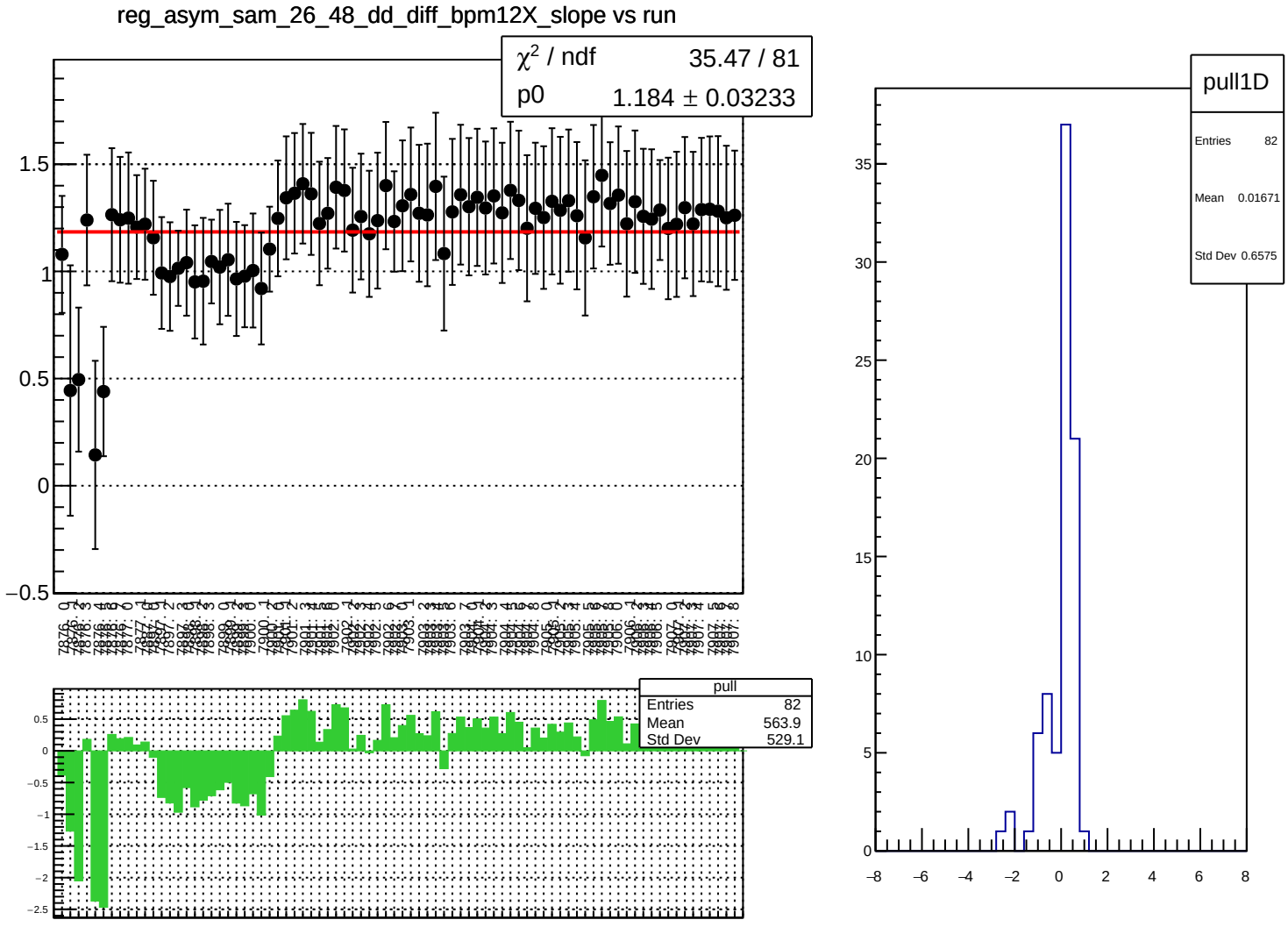

pull1D
Entries 82
Mean −1.234
Std Dev 0.3309

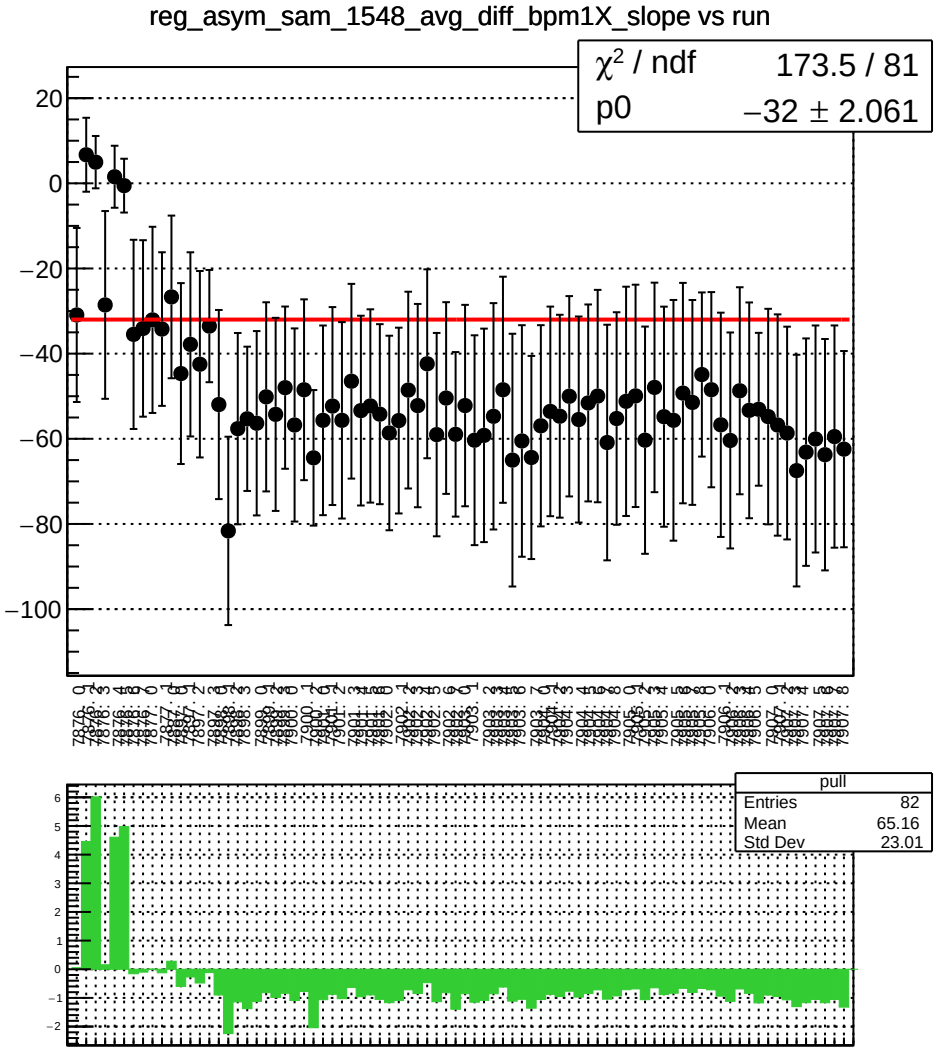

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.37 / 81
p0 19.42 ± 0.6539
pull
Entries 82
Mean −75.84
Std Dev 124.3

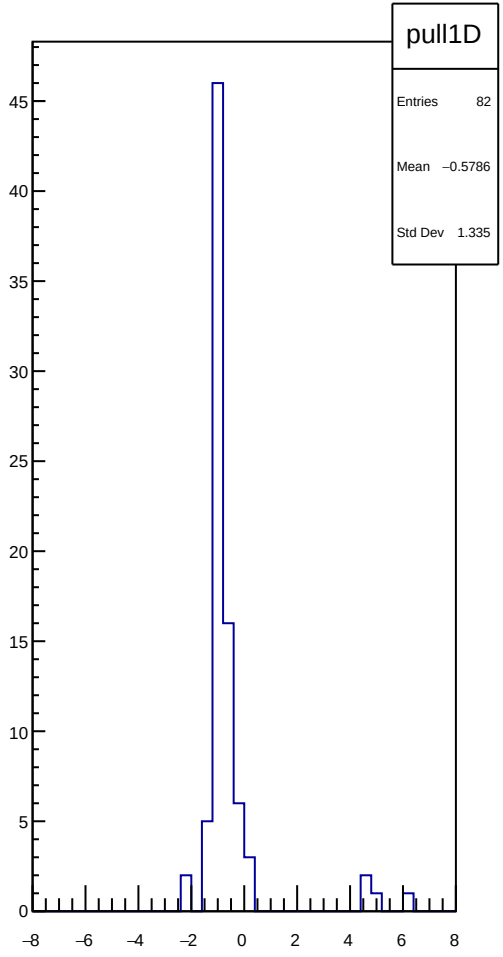

pull1D
Entries 82
Mean −0.0401
Std Dev 0.6073

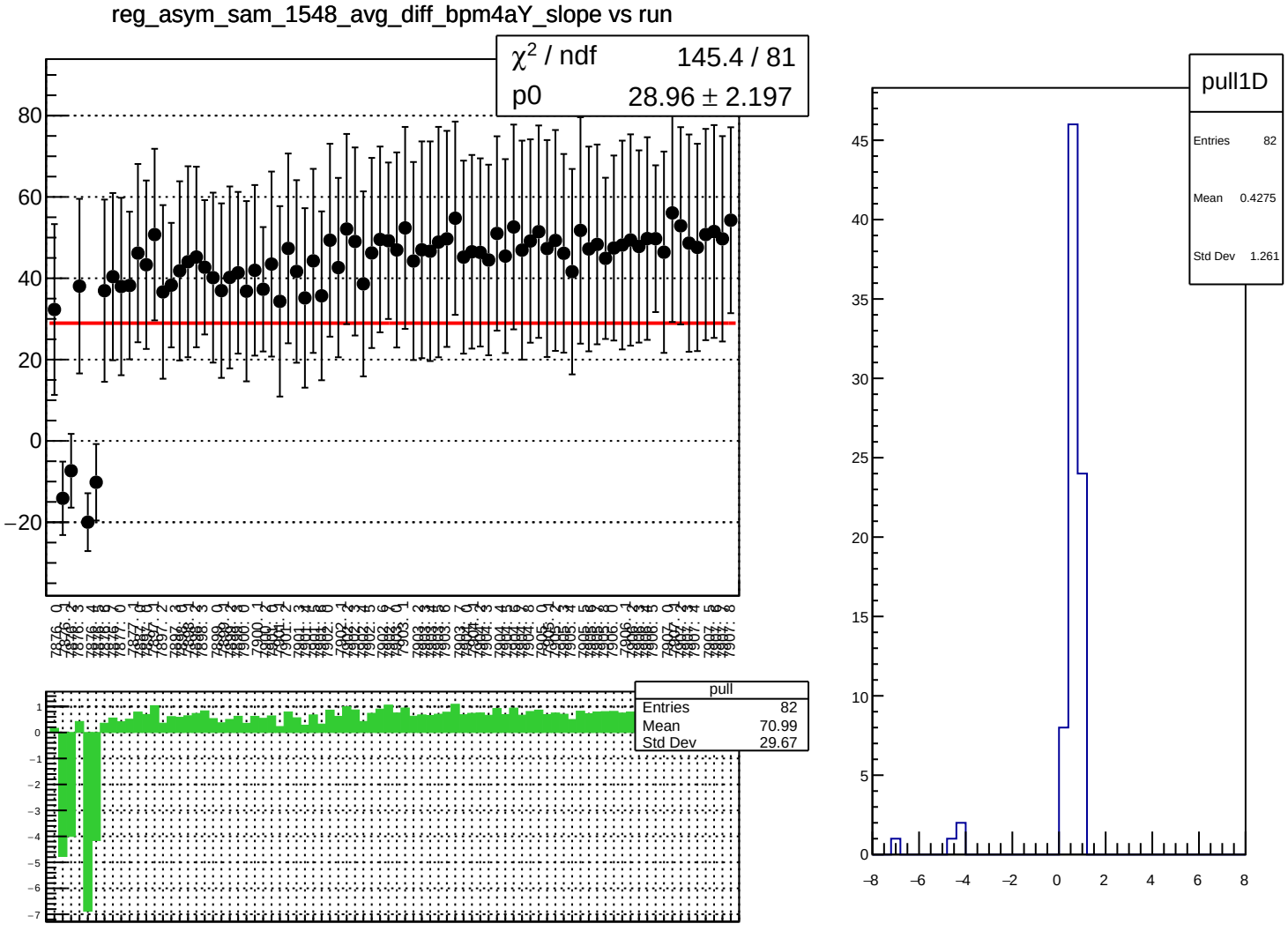

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 467 / 81
p0 −32.24 ± 1.008
pull
Entries 82
Mean 107.5
Std Dev 73.95

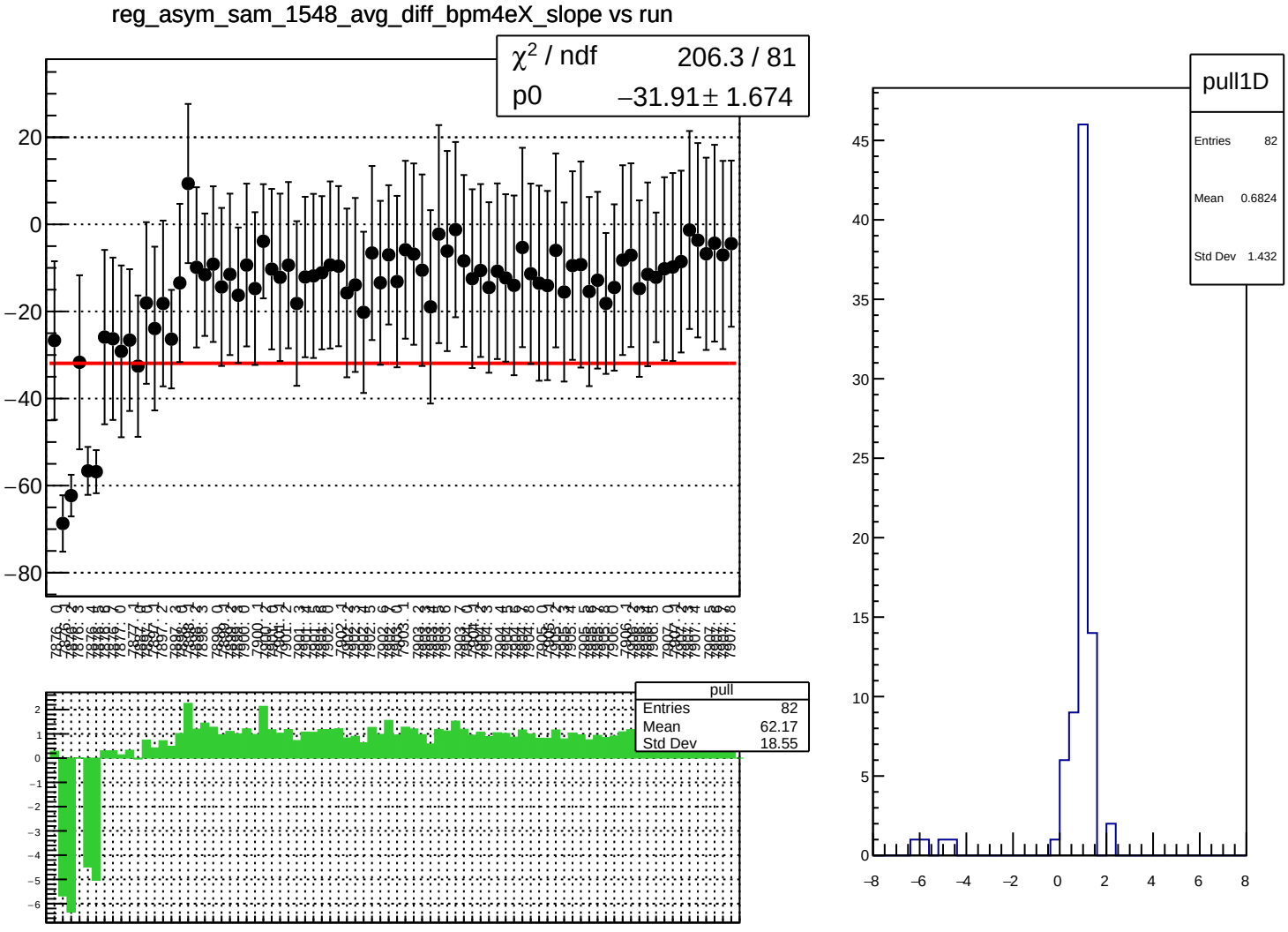

pull1D
Entries 82
Mean 0.8143
Std Dev 0.2504

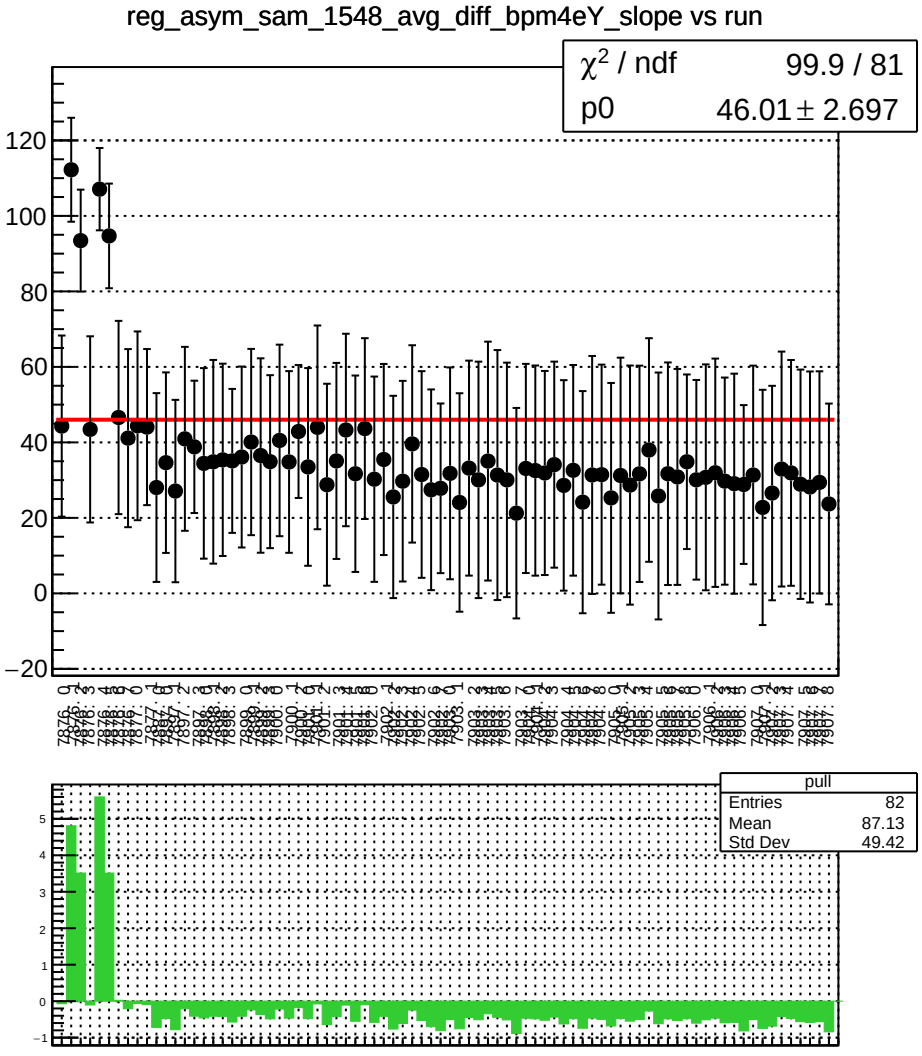

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 35.47 / 81
p0 1.184 ± 0.03233
pull
Entries 82
Mean 563.9
Std Dev 529.1
pull1D
Entries 82
Mean 0.01671
Std Dev 0.6575

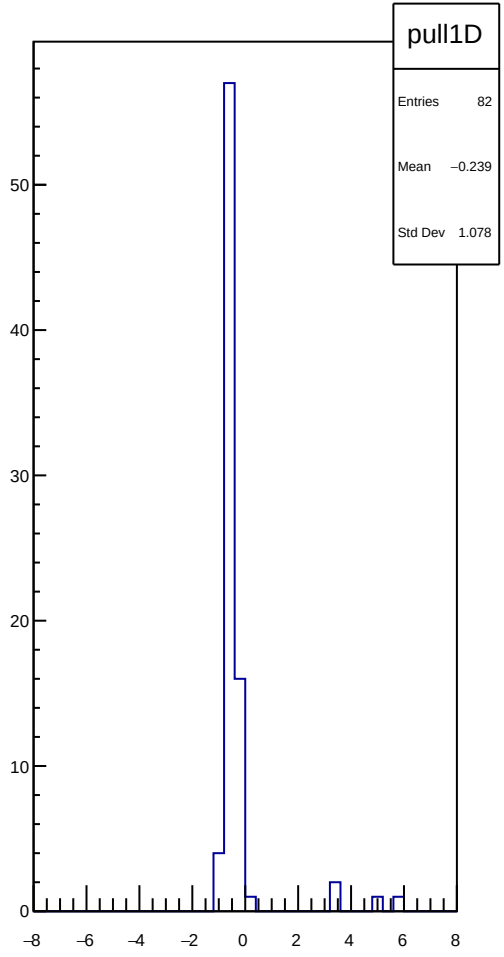

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 173.5 / 81
p0 −32 ± 2.061
pull
Entries 82
Mean 65.16
Std Dev 23.01

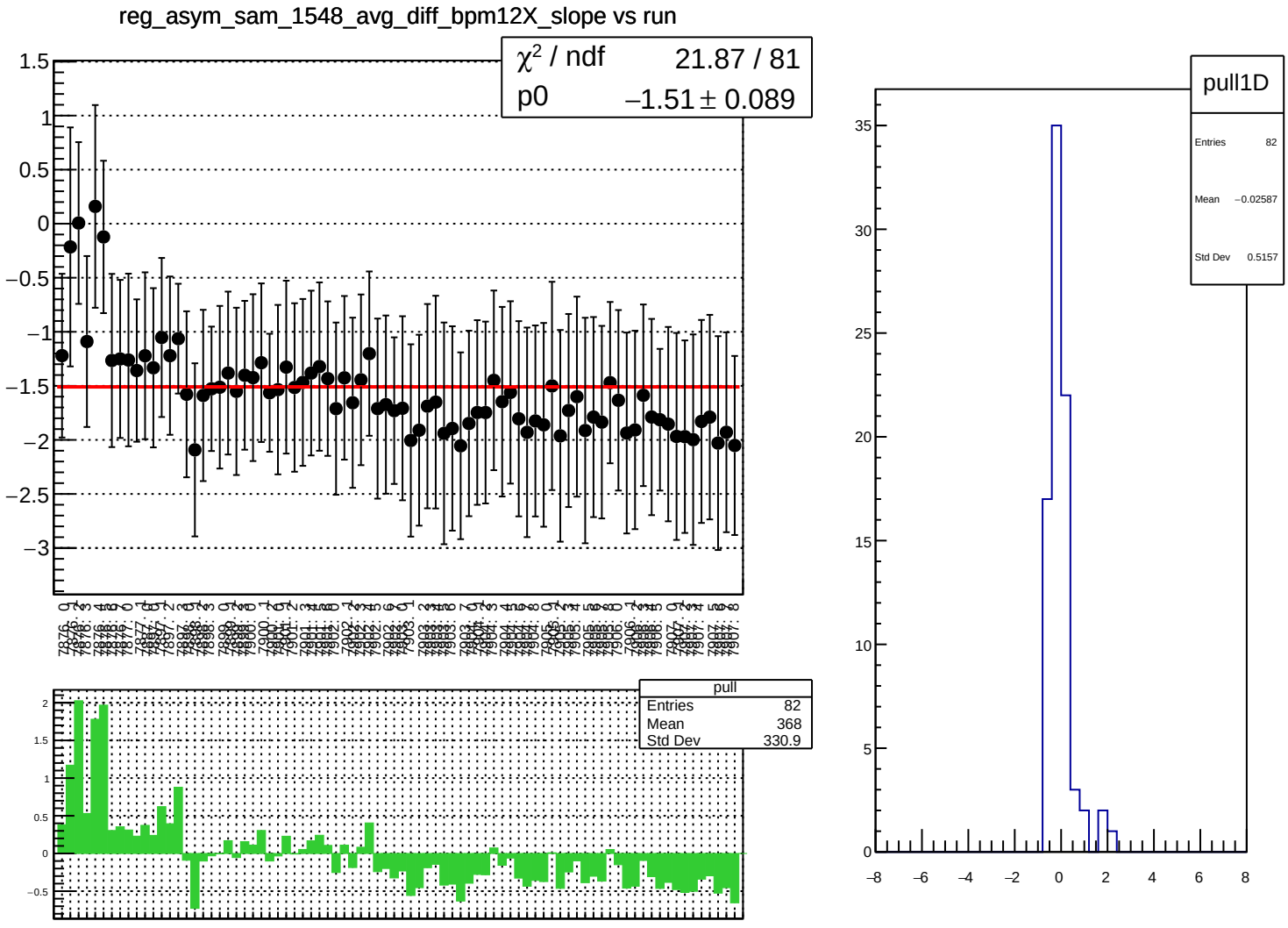

pull1D
Entries 82
Mean −0.5786
Std Dev 1.335

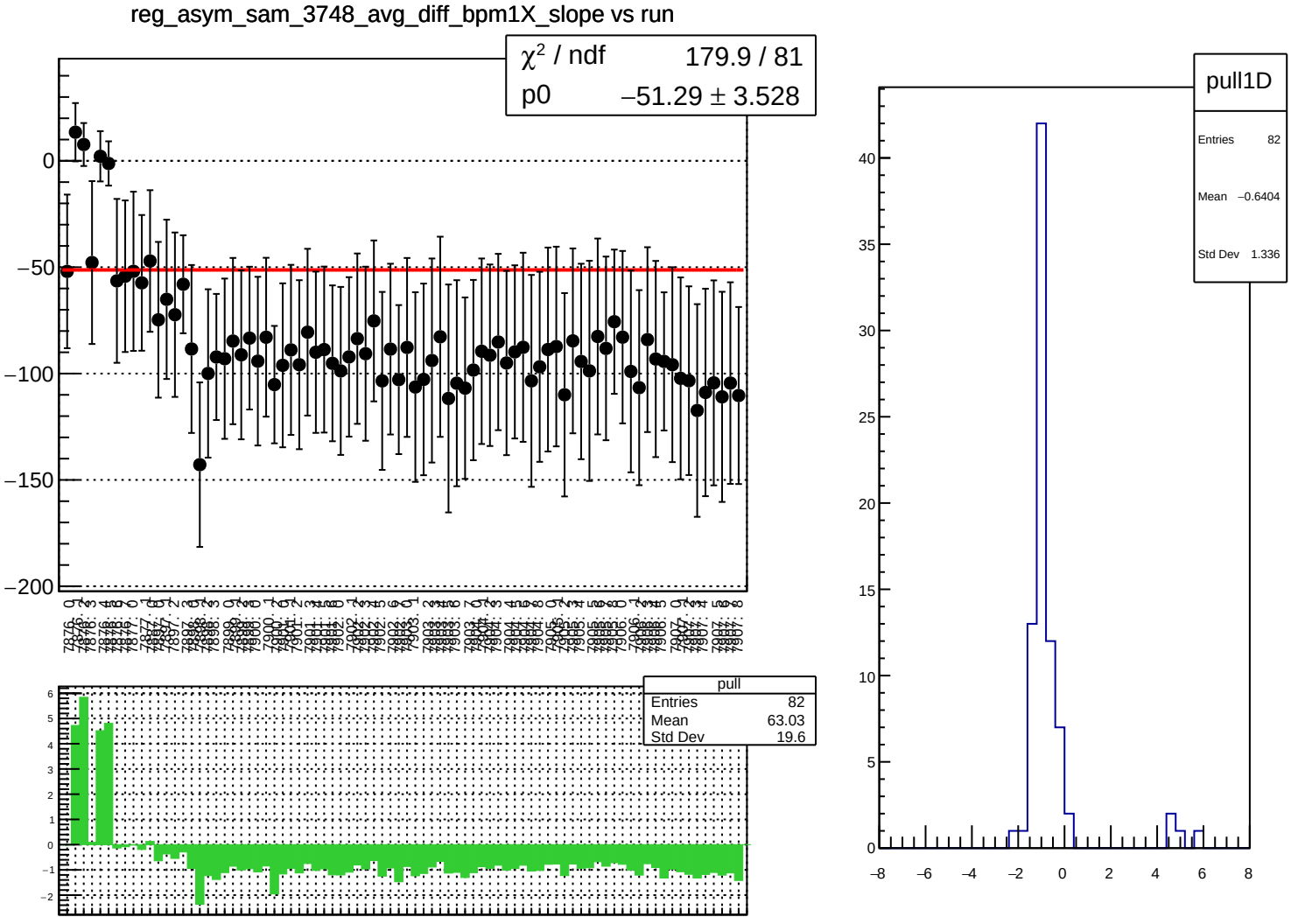

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 145.4 / 81
p0 28.96 ± 2.197
pull
Entries 82
Mean 70.99
Std Dev 29.67
pull1D
Entries 82
Mean 0.4275
Std Dev 1.261

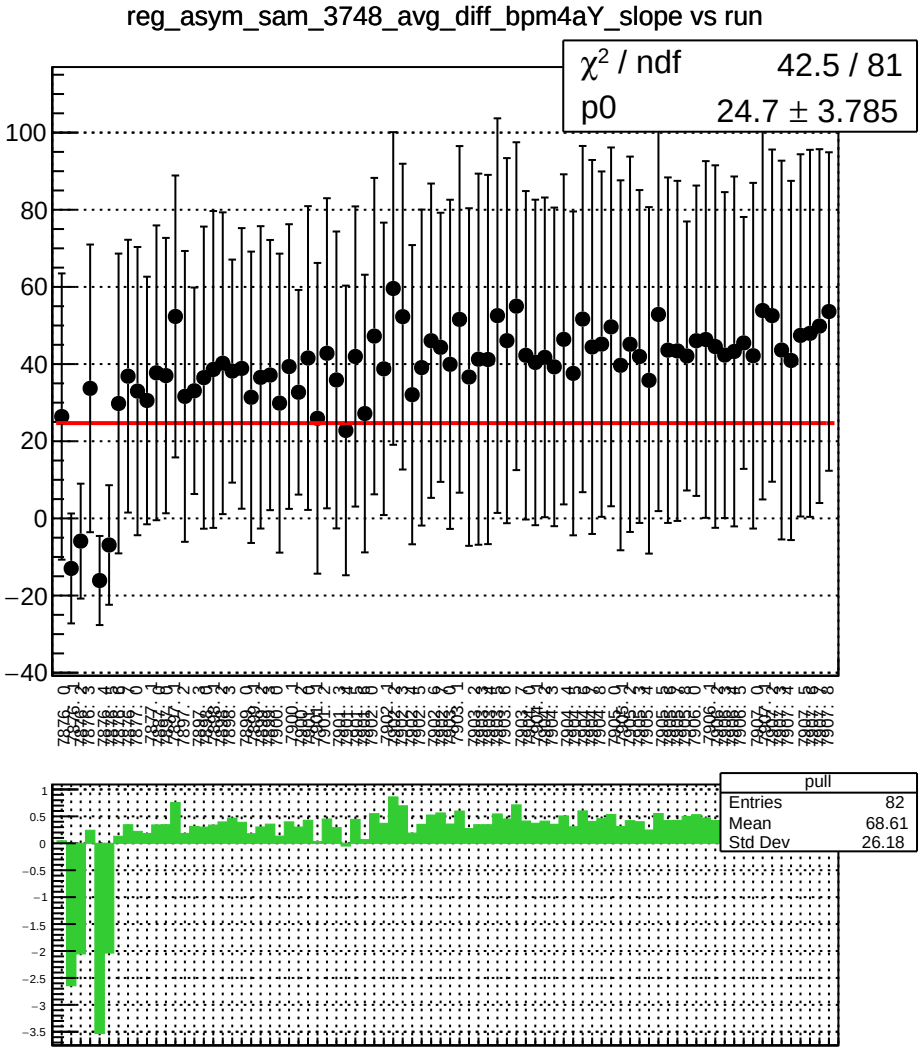

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 206.3 / 81
p0 −31.91 ± 1.674
pull
Entries 82
Mean 62.17
Std Dev 18.55
pull1D
Entries 82
Mean 0.6824
Std Dev 1.432

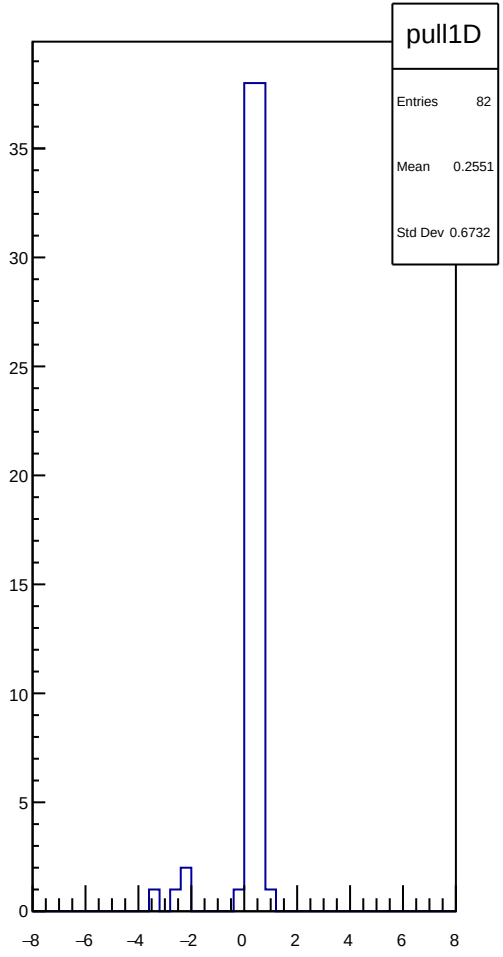

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 99.9 / 81
p0 46.01 ± 2.697
pull
Entries 82
Mean 87.13
Std Dev 49.42

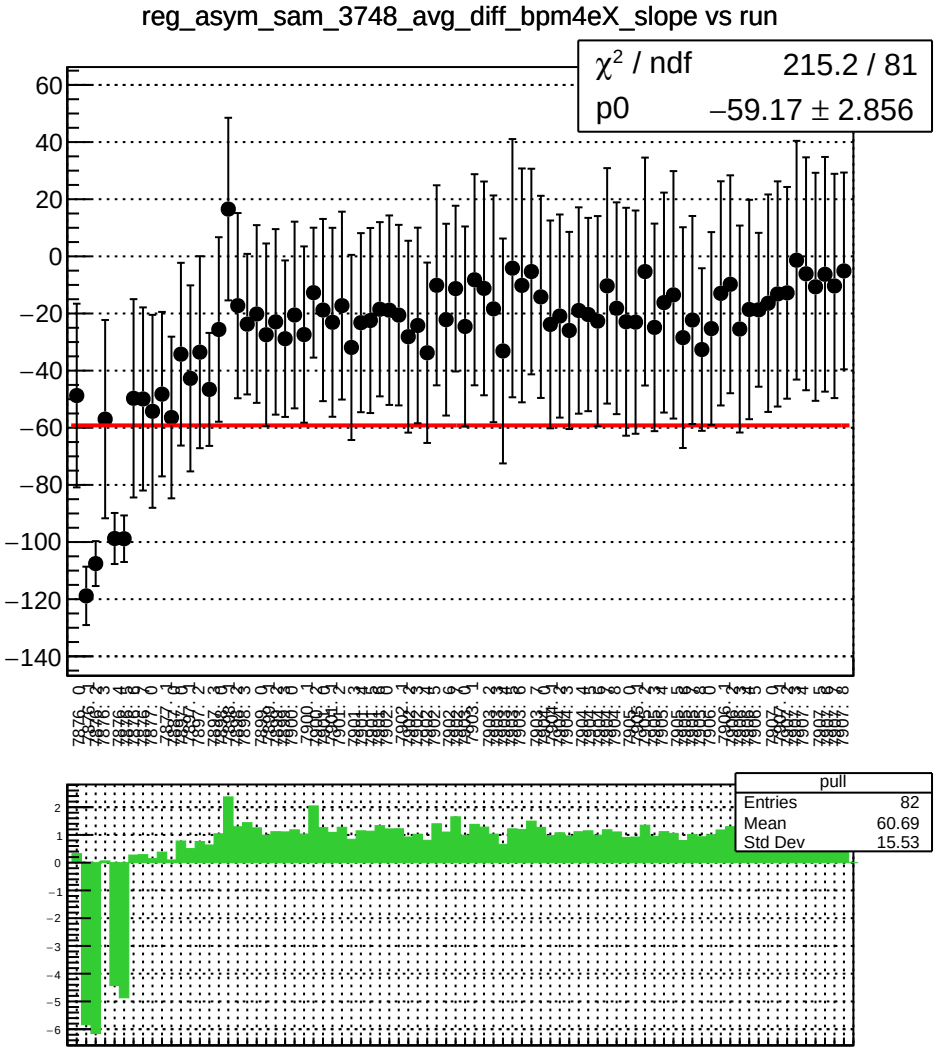

pull1D
Entries 82
Mean −0.239
Std Dev 1.078

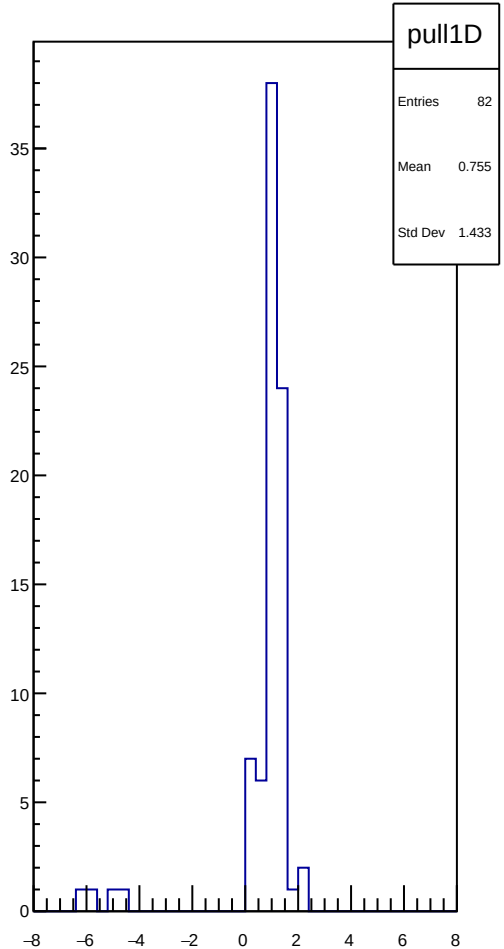

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 21.87 / 81
p0 −1.51 ± 0.089
pull
Entries 82
Mean 368
Std Dev 330.9
pull1D
Entries 82
Mean −0.02587
Std Dev 0.5157

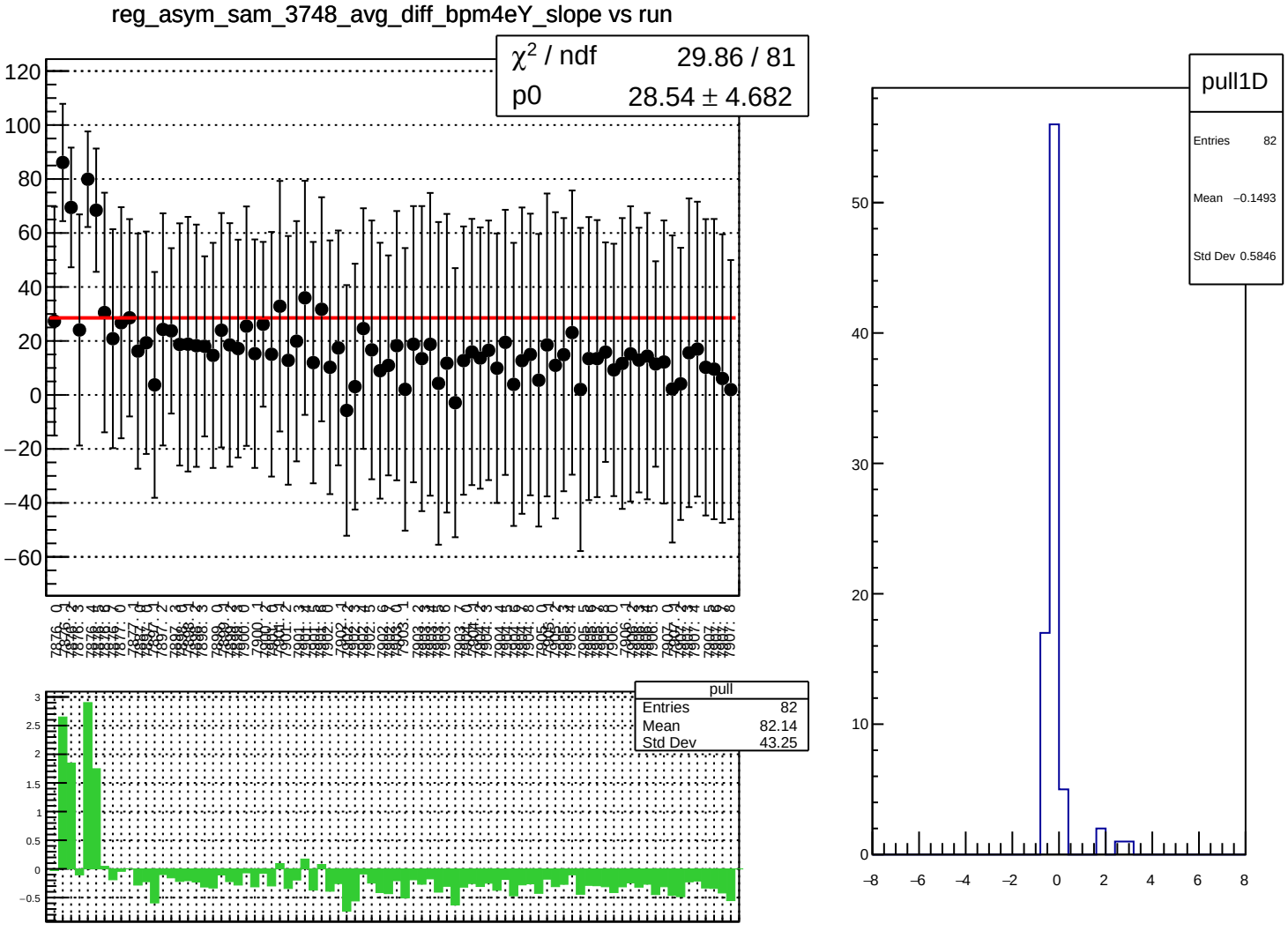

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 179.9 / 81
p0 −51.29 ± 3.528
pull
Entries 82
Mean 63.03
Std Dev 19.6
pull1D
Entries 82
Mean −0.6404
Std Dev 1.336


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.5 / 81
p0 24.7 ± 3.785
pull
Entries 82
Mean 68.61
Std Dev 26.18

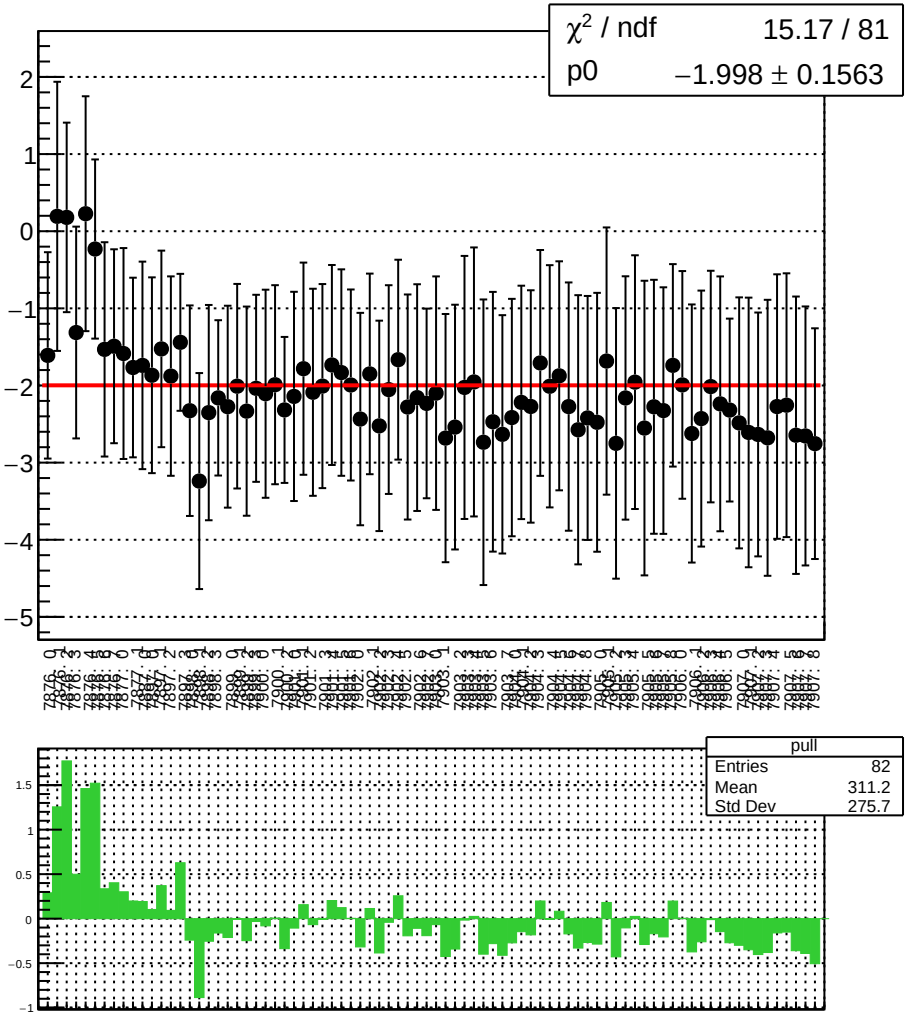

pull1D
Entries 82
Mean 0.2551
Std Dev 0.6732

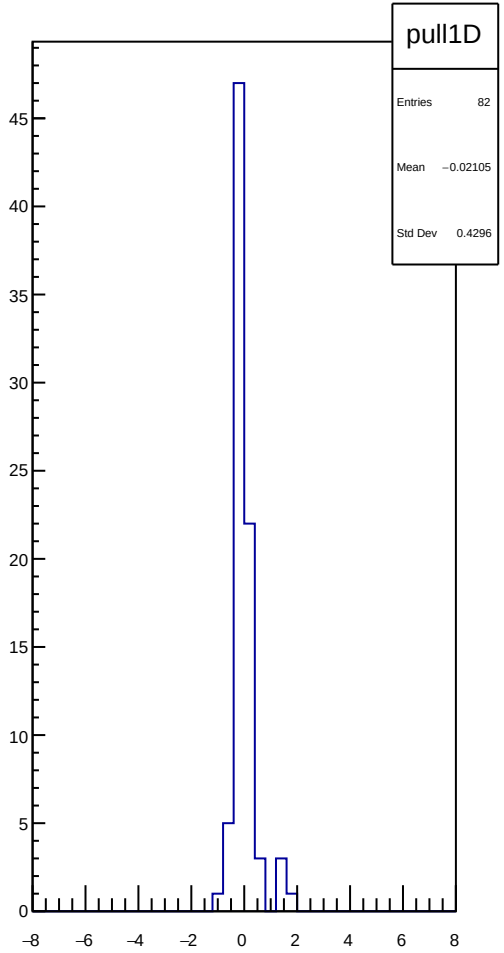

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 215.2 / 81
p0 −59.17 ± 2.856
pull
Entries 82
Mean 60.69
Std Dev 15.53

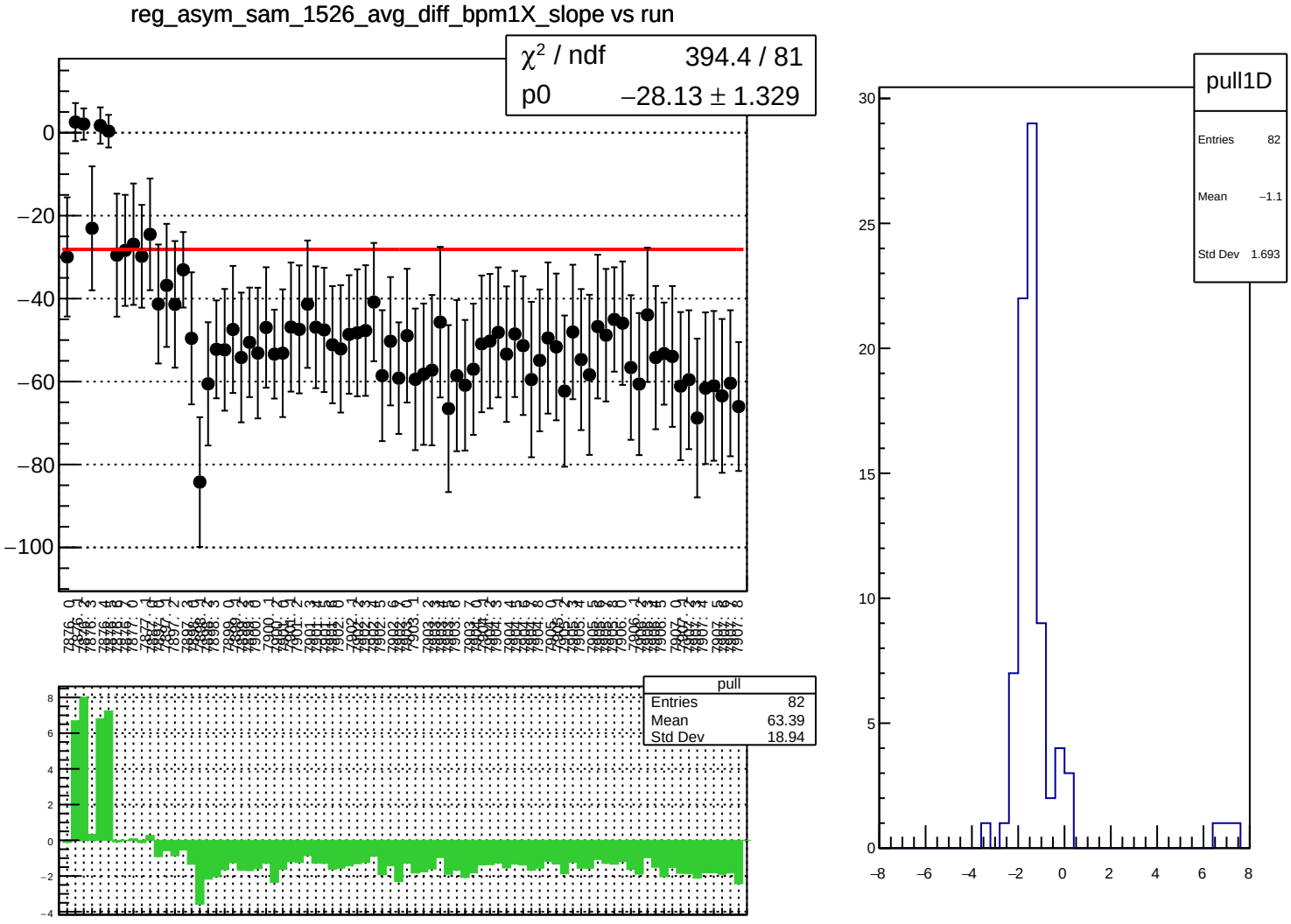

pull1D
Entries 82
Mean 0.755
Std Dev 1.433

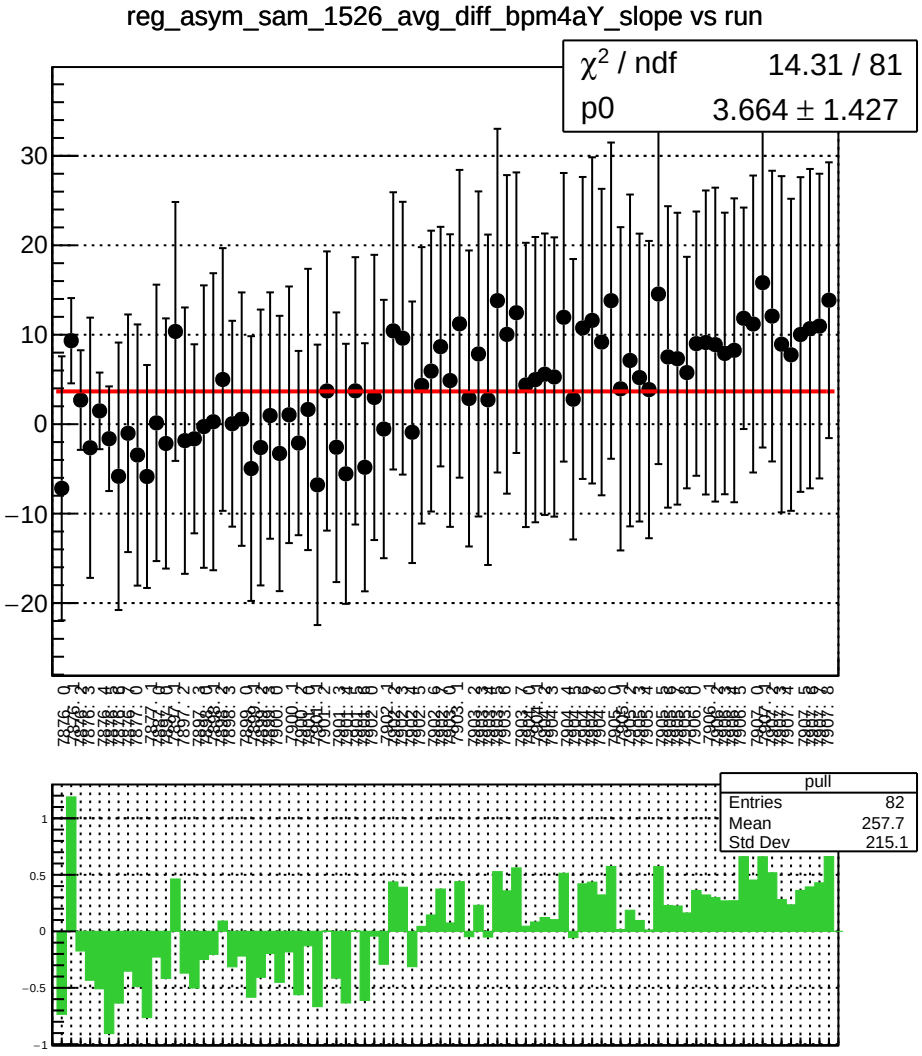

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.86 / 81
p0 28.54 ± 4.682
pull
Entries 82
Mean 82.14
Std Dev 43.25
pull1D
Entries 82
Mean −0.1493
Std Dev 0.5846

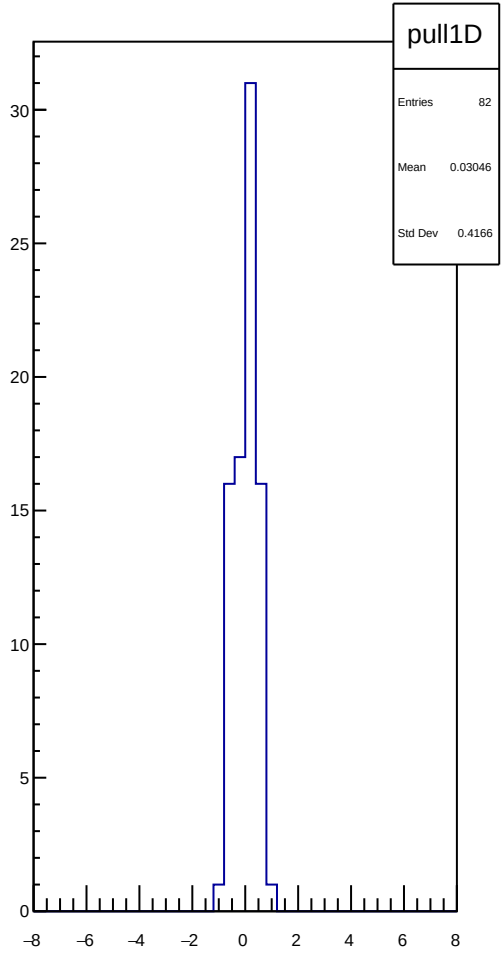
reg_asym_sam_3748_avg_diff_bpm12X_slope vs run

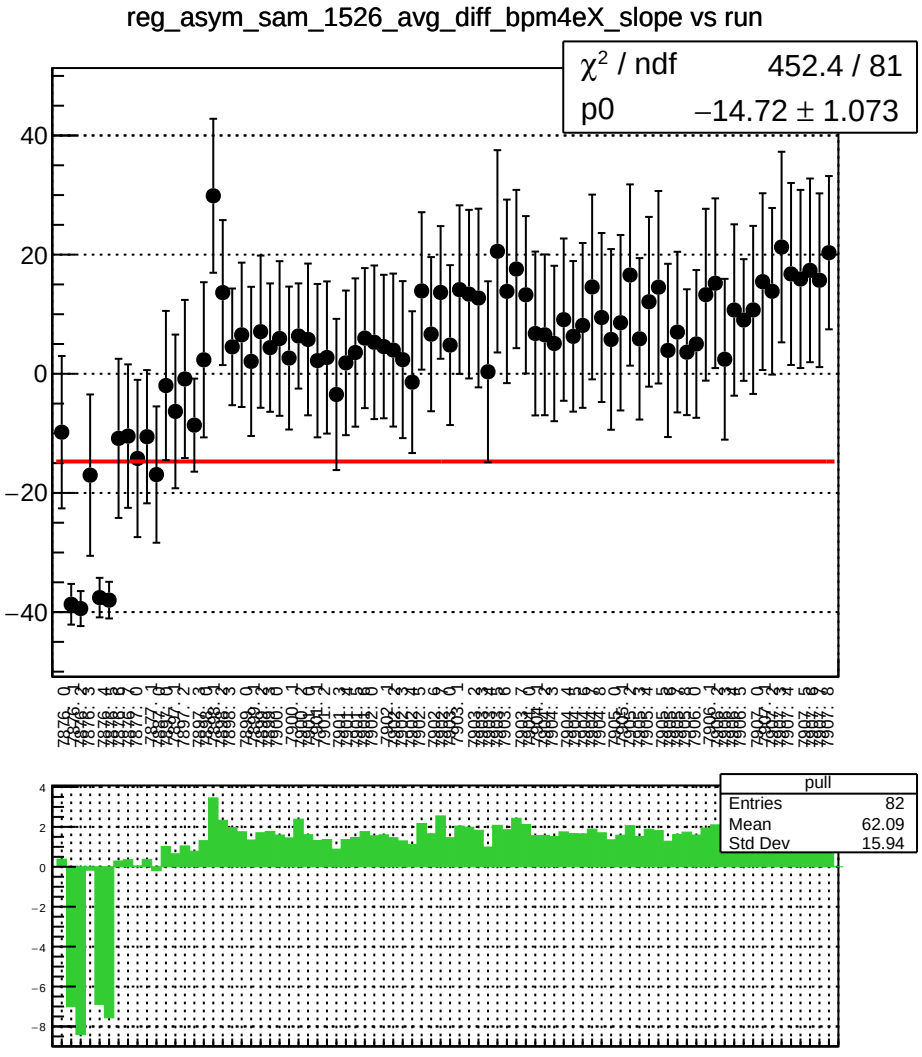


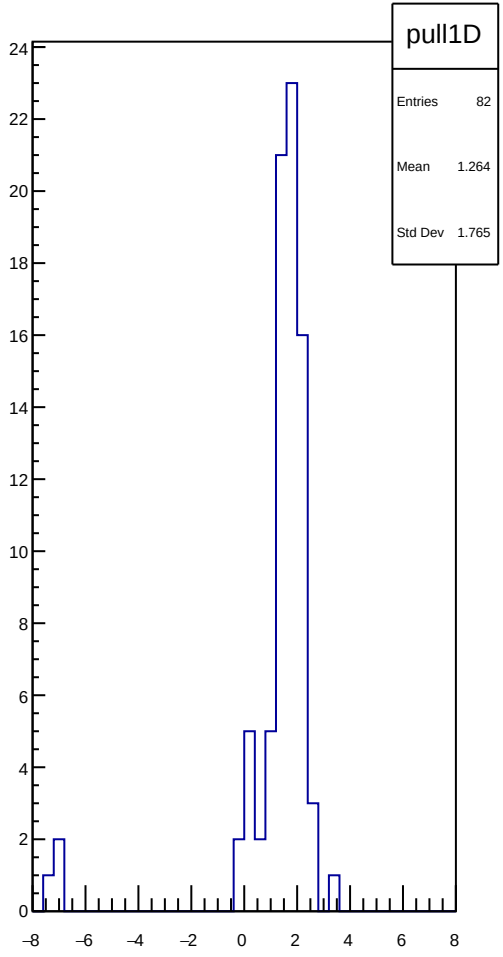


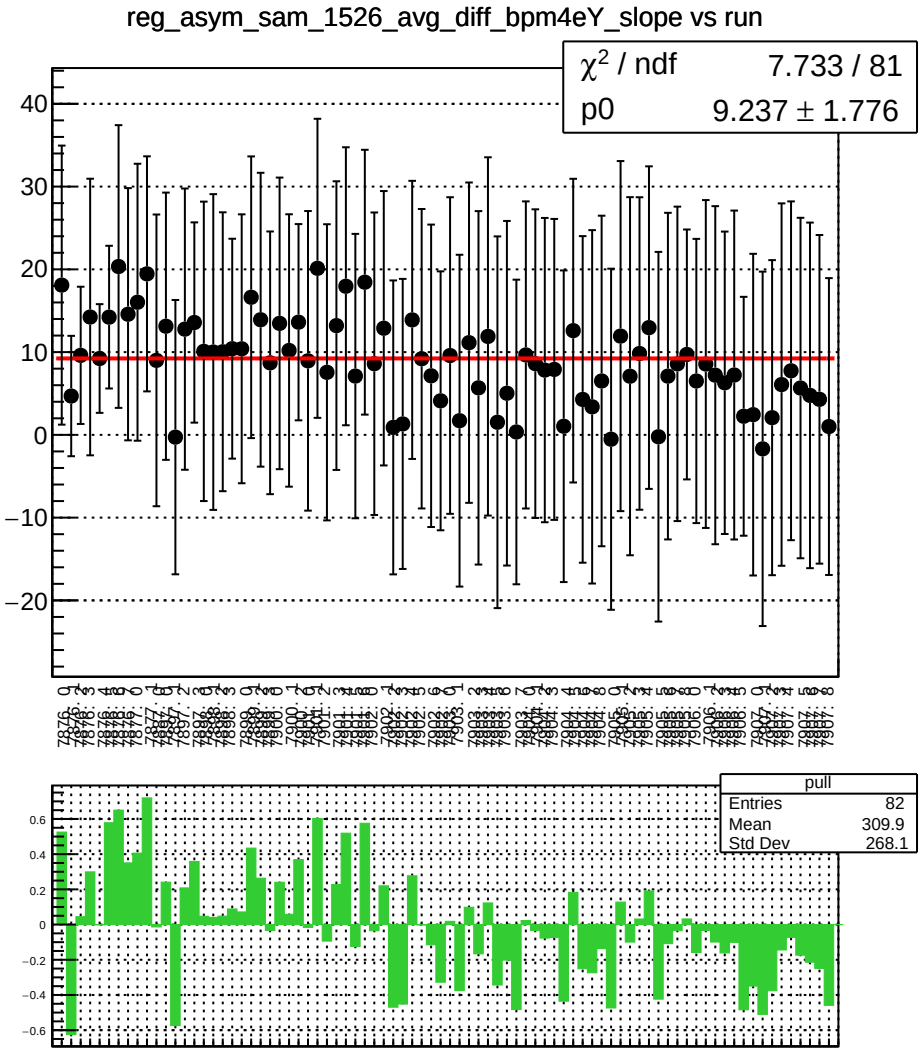

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 394.4 / 81
p0 −28.13 ± 1.329
pull
Entries 82
Mean 63.39
Std Dev 18.94
pull1D
Entries 82
Mean −1.1
Std Dev 1.693

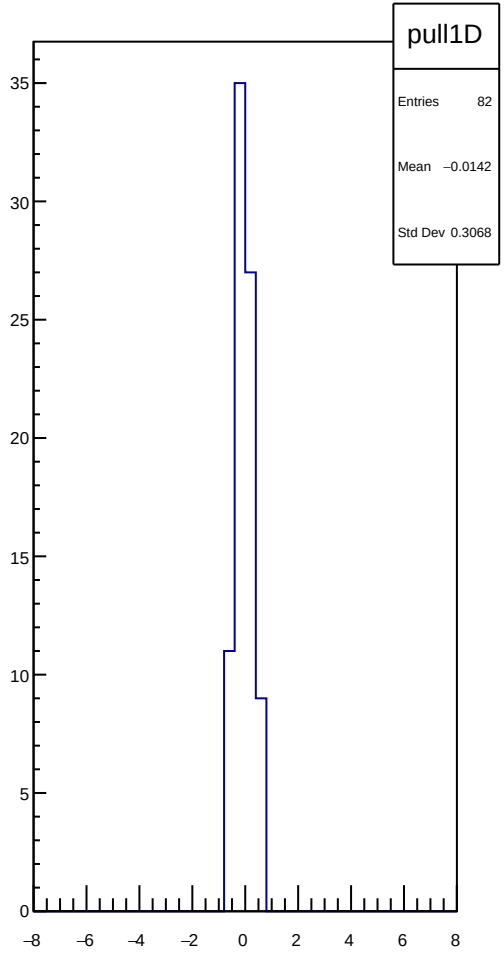

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.31 / 81
p0 3.664 ± 1.427
pull
Entries 82
Mean 257.7
Std Dev 215.1

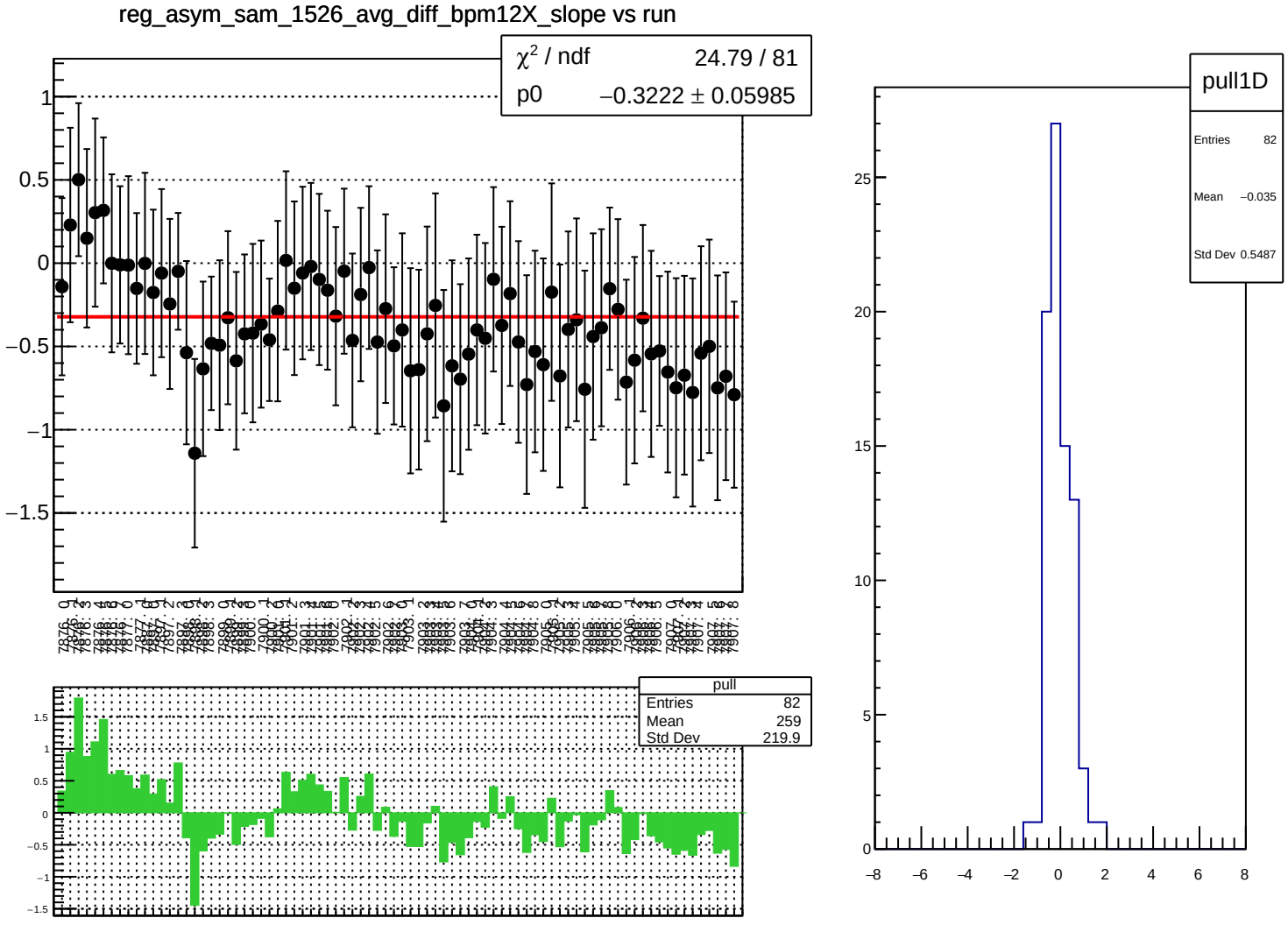

pull1D
Entries 82
Mean 0.03046
Std Dev 0.4166

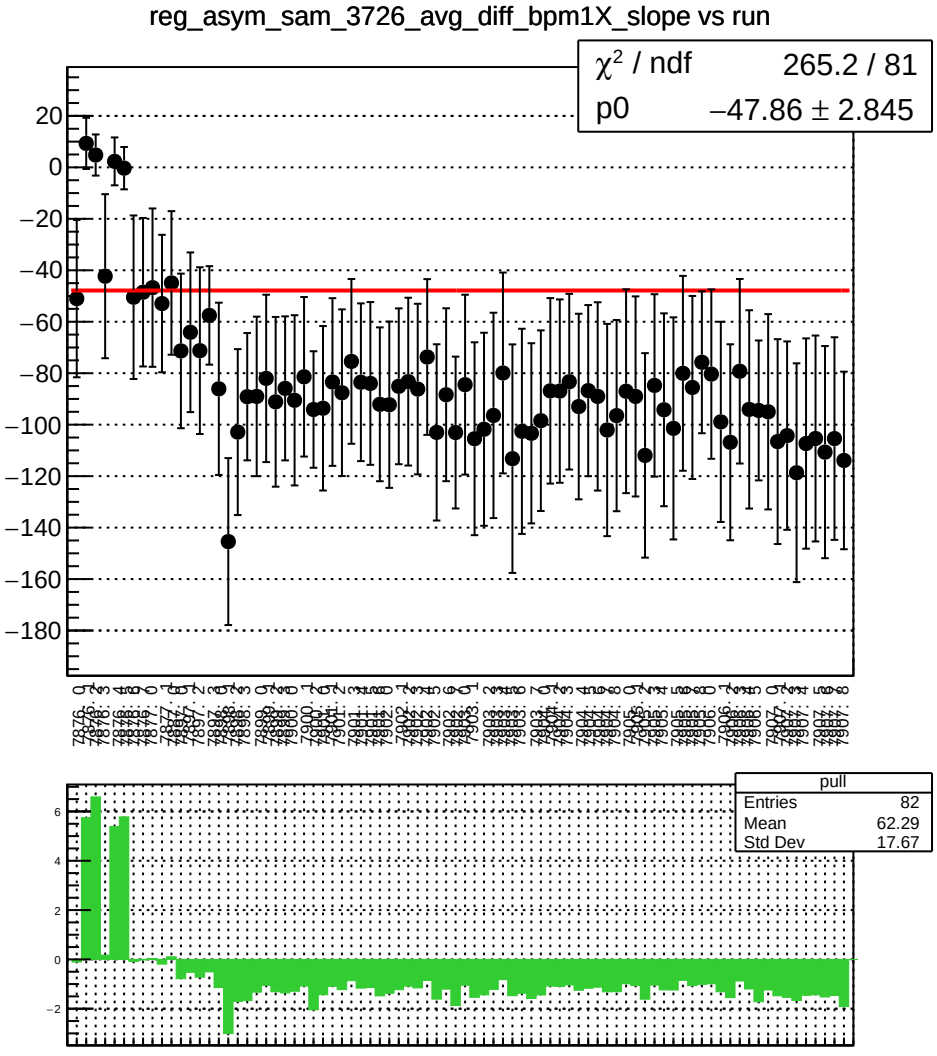

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 452.4 / 81
p0 −14.72 ± 1.073
pull
Entries 82
Mean 62.09
Std Dev 15.94

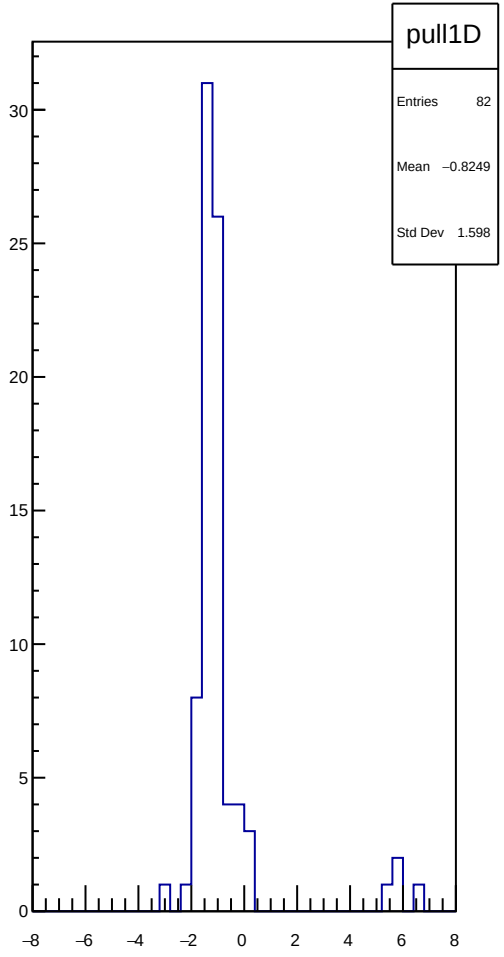

pull1D
Entries 82
Mean 1.264
Std Dev 1.765

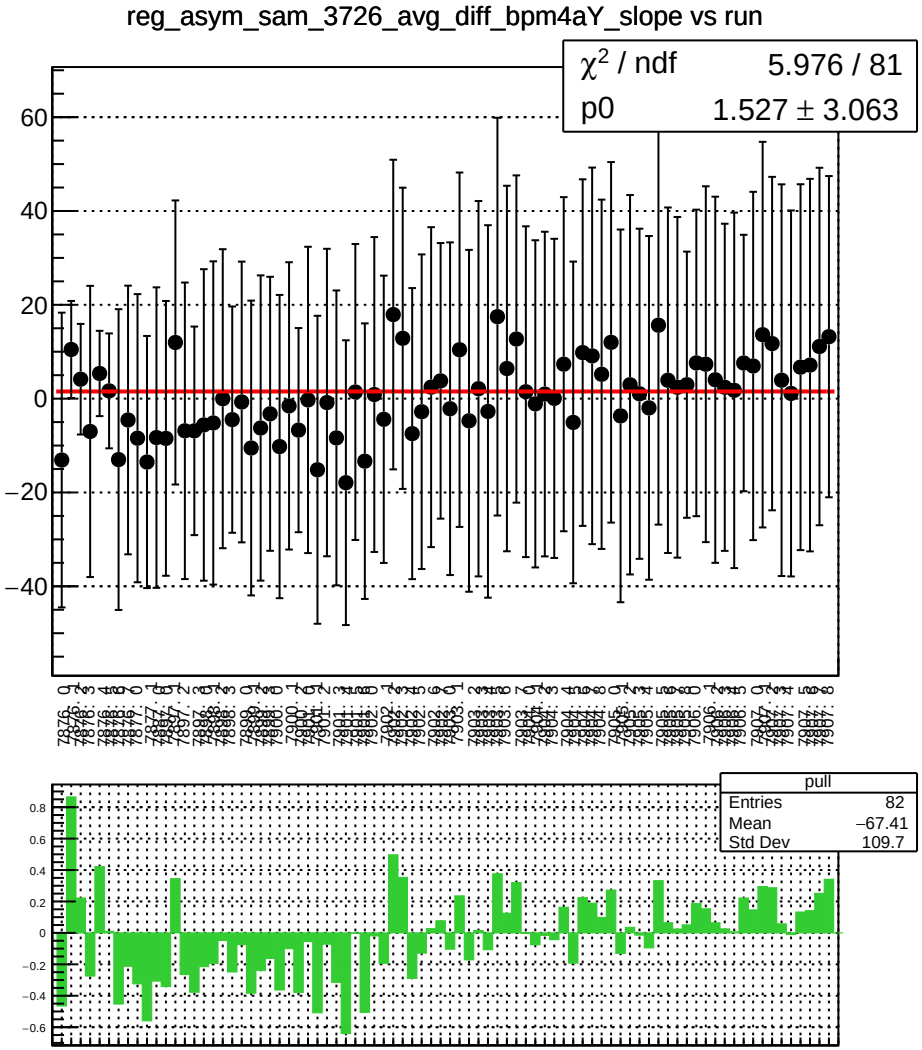

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.733 / 81
p0 9.237 ± 1.776
pull
Entries 82
Mean 309.9
Std Dev 268.1

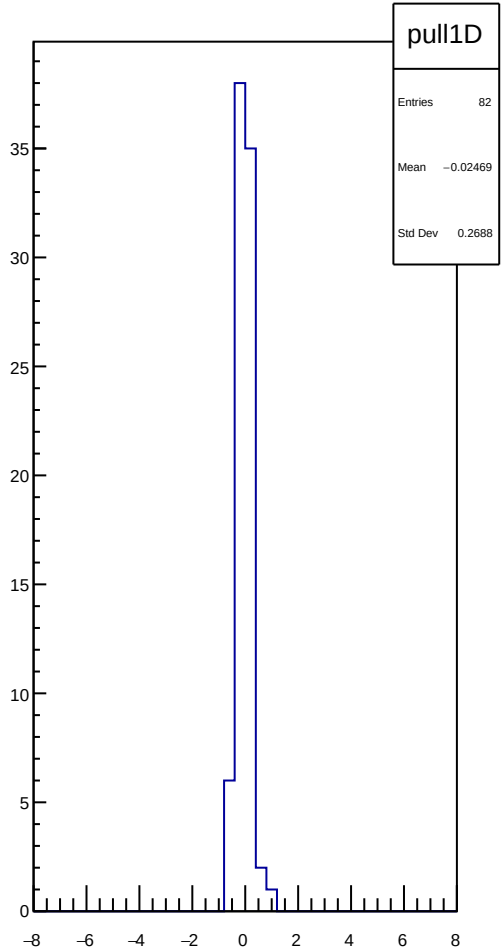

pull1D
Entries 82
Mean −0.0142
Std Dev 0.3068

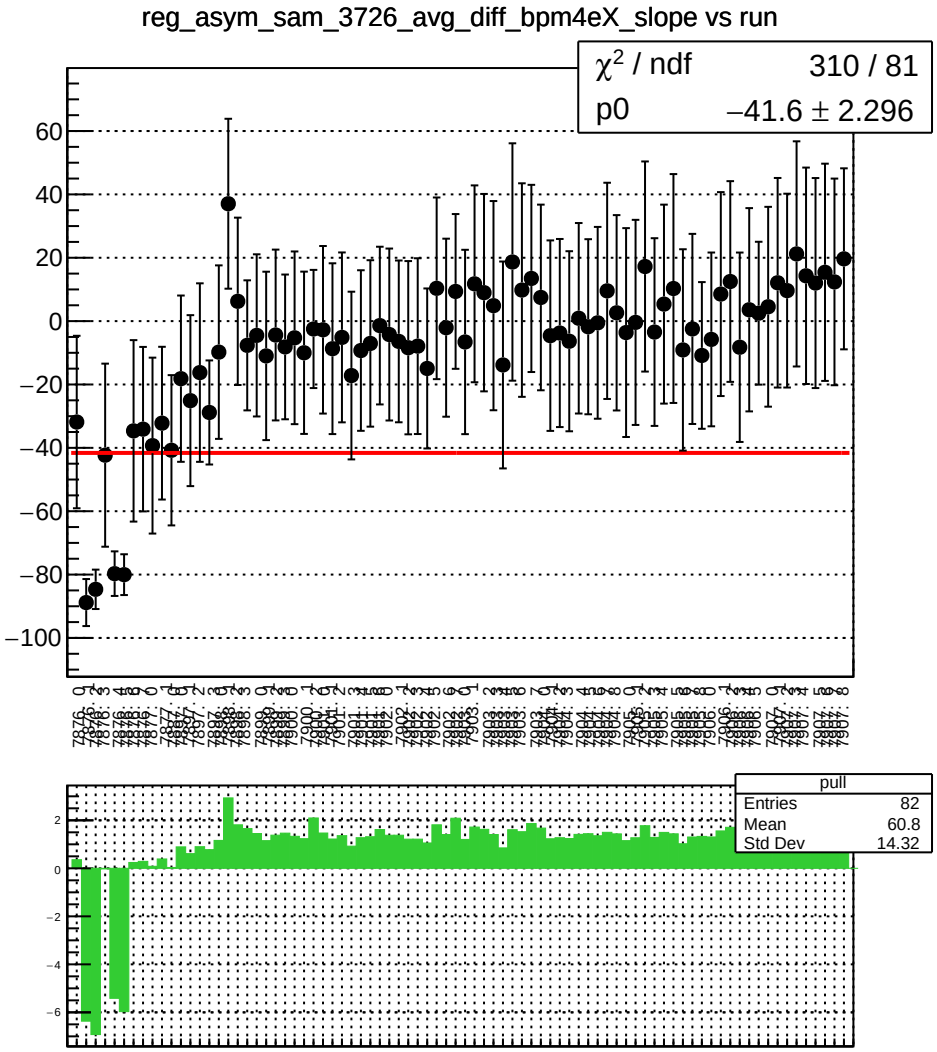

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 24.79 / 81
p0 −0.3222 ± 0.05985
pull
Entries 82
Mean 259
Std Dev 219.9
pull1D
Entries 82
Mean −0.035
Std Dev 0.5487

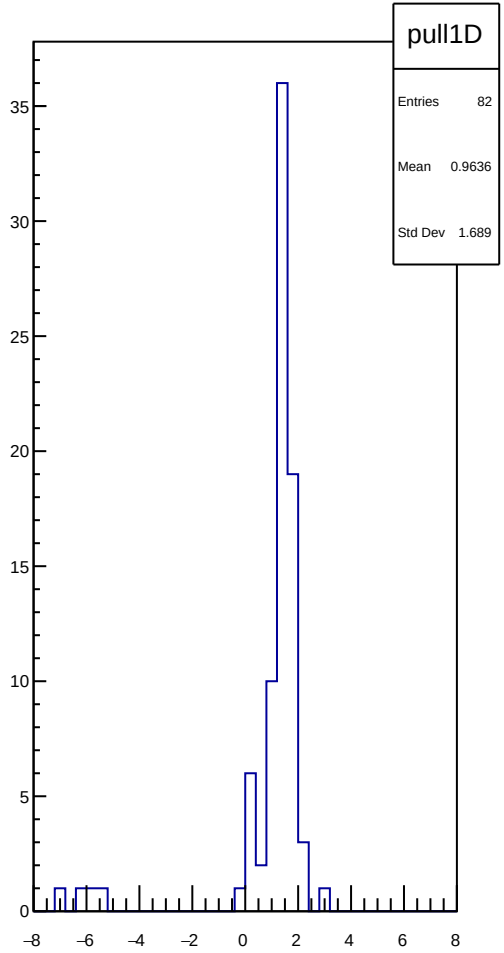

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 265.2 / 81
p0 −47.86 ± 2.845
pull
Entries 82
Mean 62.29
Std Dev 17.67

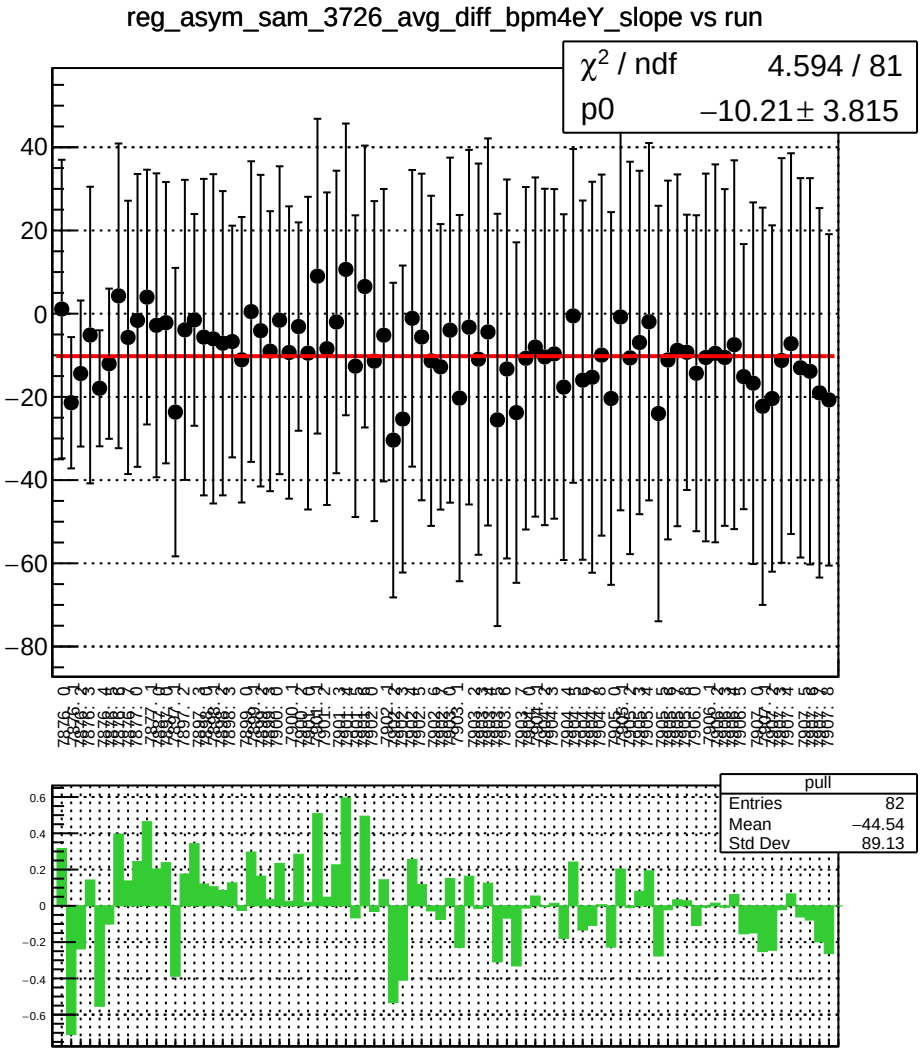

pull1D
Entries 82
Mean −0.8249
Std Dev 1.598

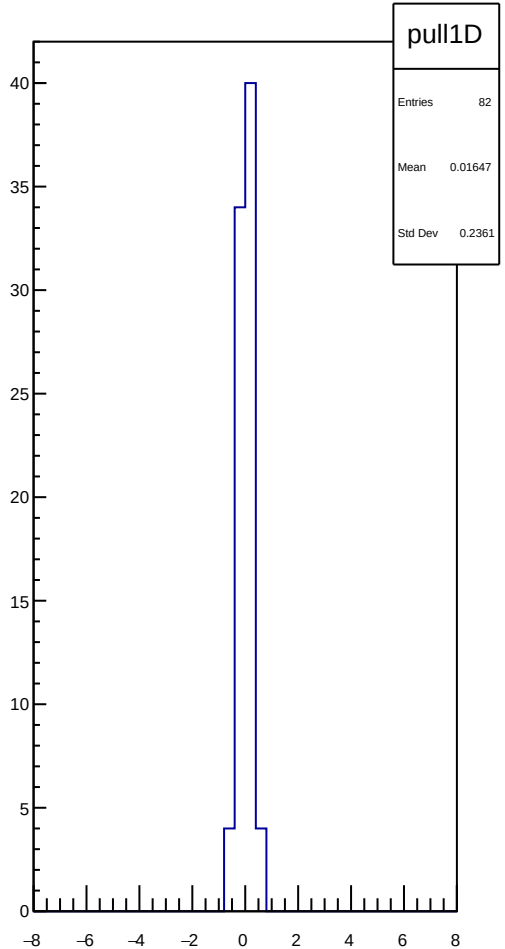

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.976 / 81
p0 1.527 ± 3.063
pull
Entries 82
Mean −67.41
Std Dev 109.7


pull1D
Entries 82
Mean −0.02469
Std Dev 0.2688

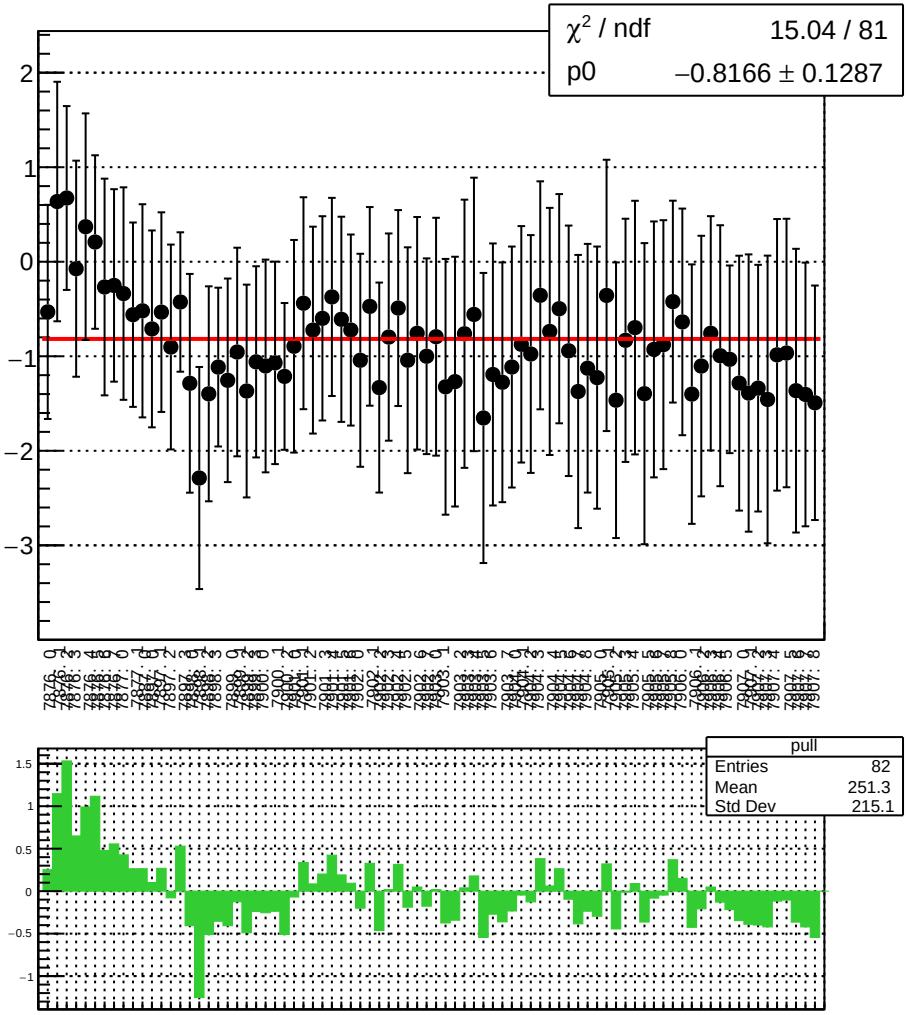

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 310 / 81
p0 −41.6 ± 2.296
pull
Entries 82
Mean 60.8
Std Dev 14.32

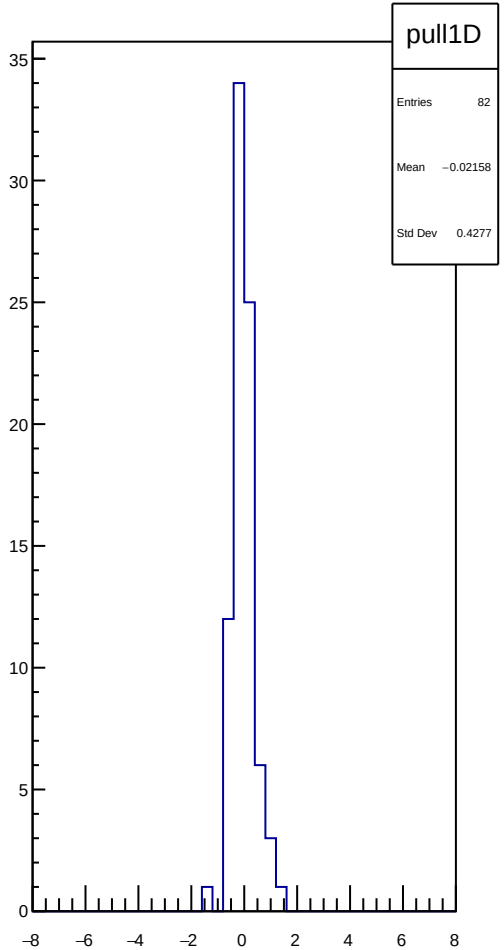

pull1D
Entries 82
Mean 0.9636
Std Dev 1.689

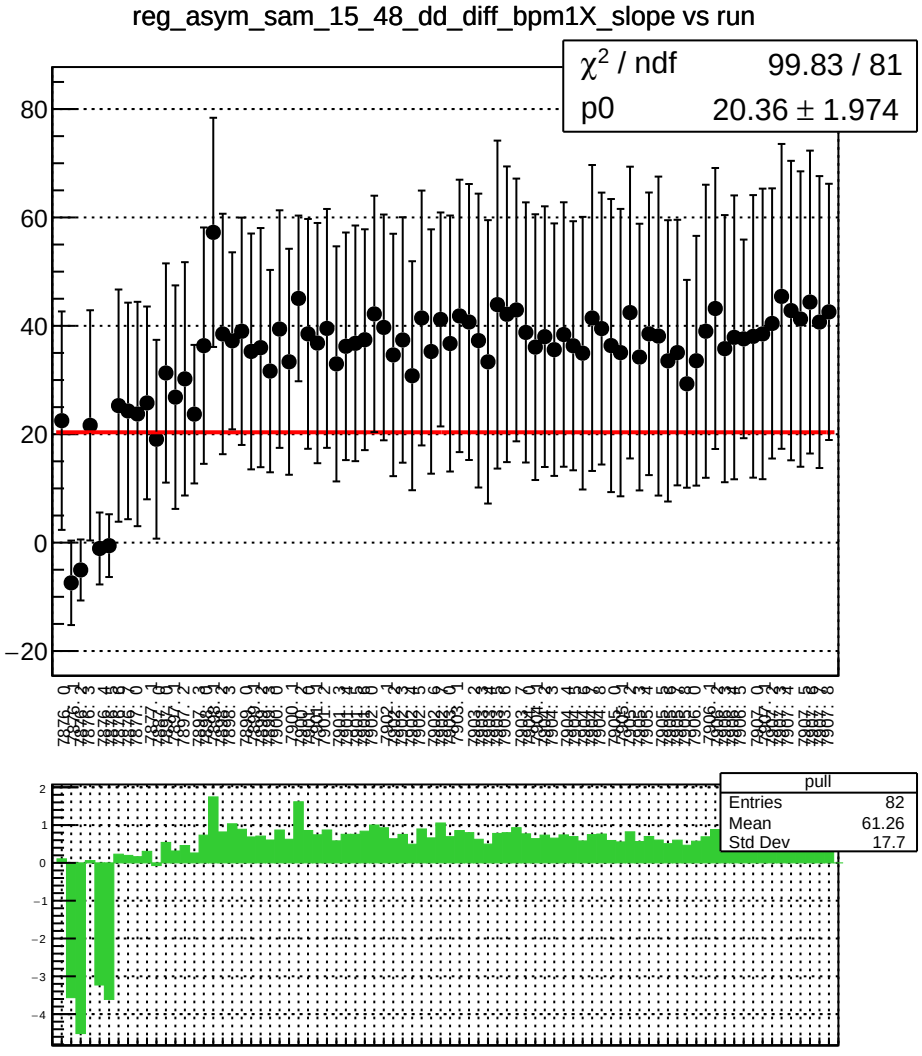

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.594 / 81
p0 −10.21 ± 3.815
pull
Entries 82
Mean −44.54
Std Dev 89.13

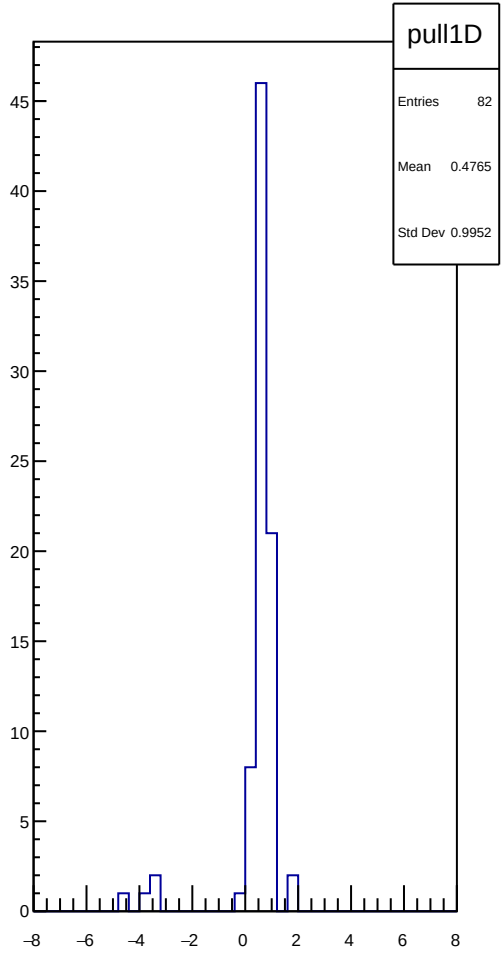

pull1D
Entries 82
Mean 0.01647
Std Dev 0.2361

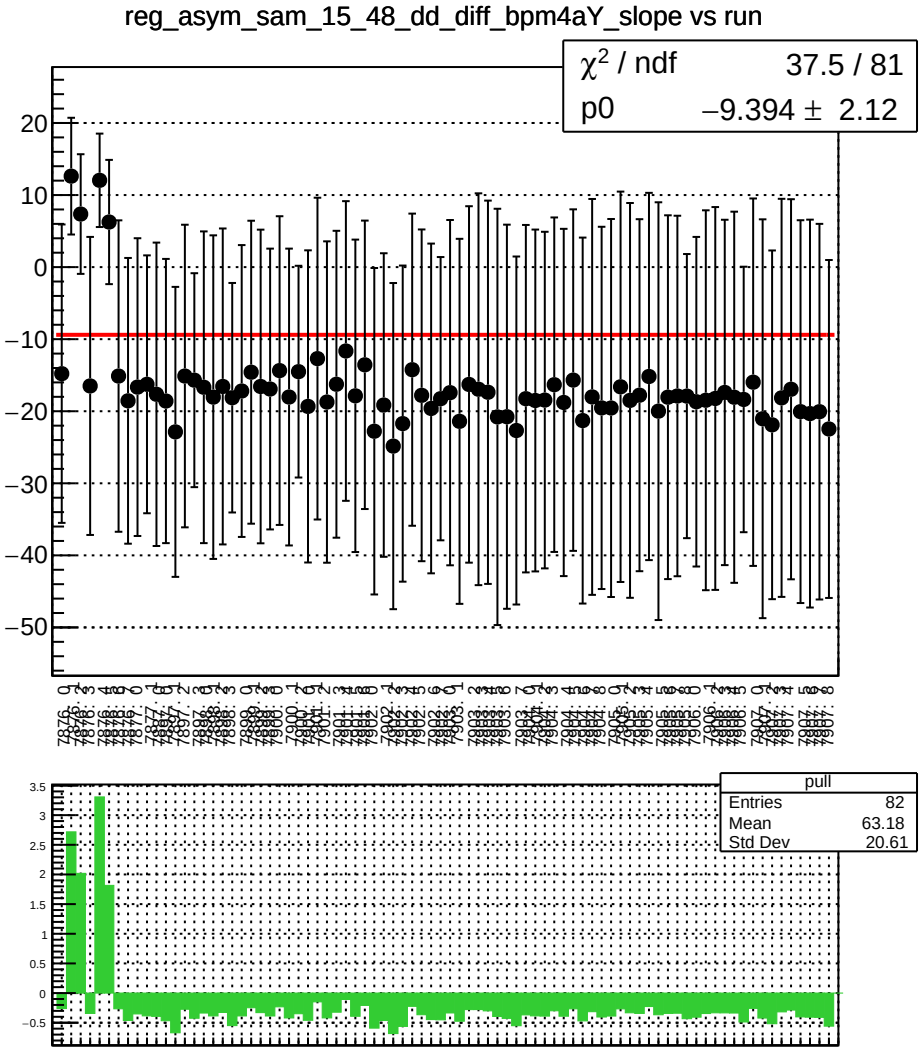
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run

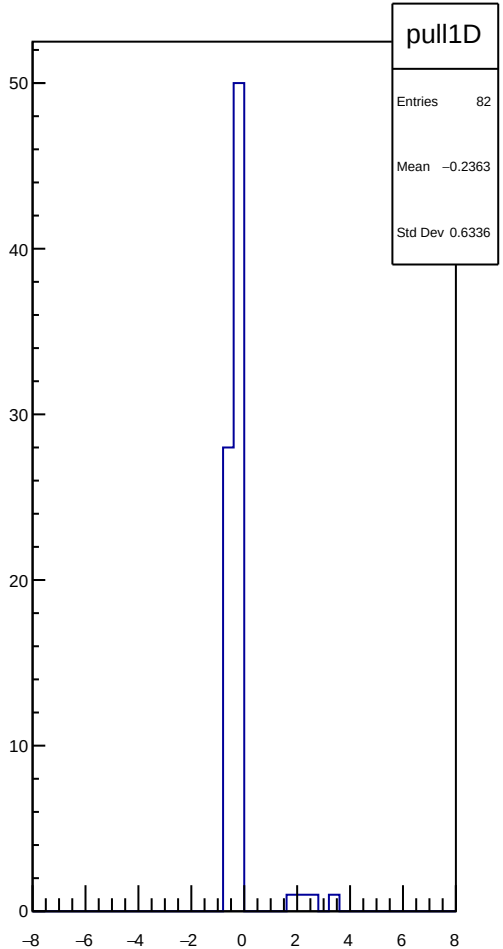


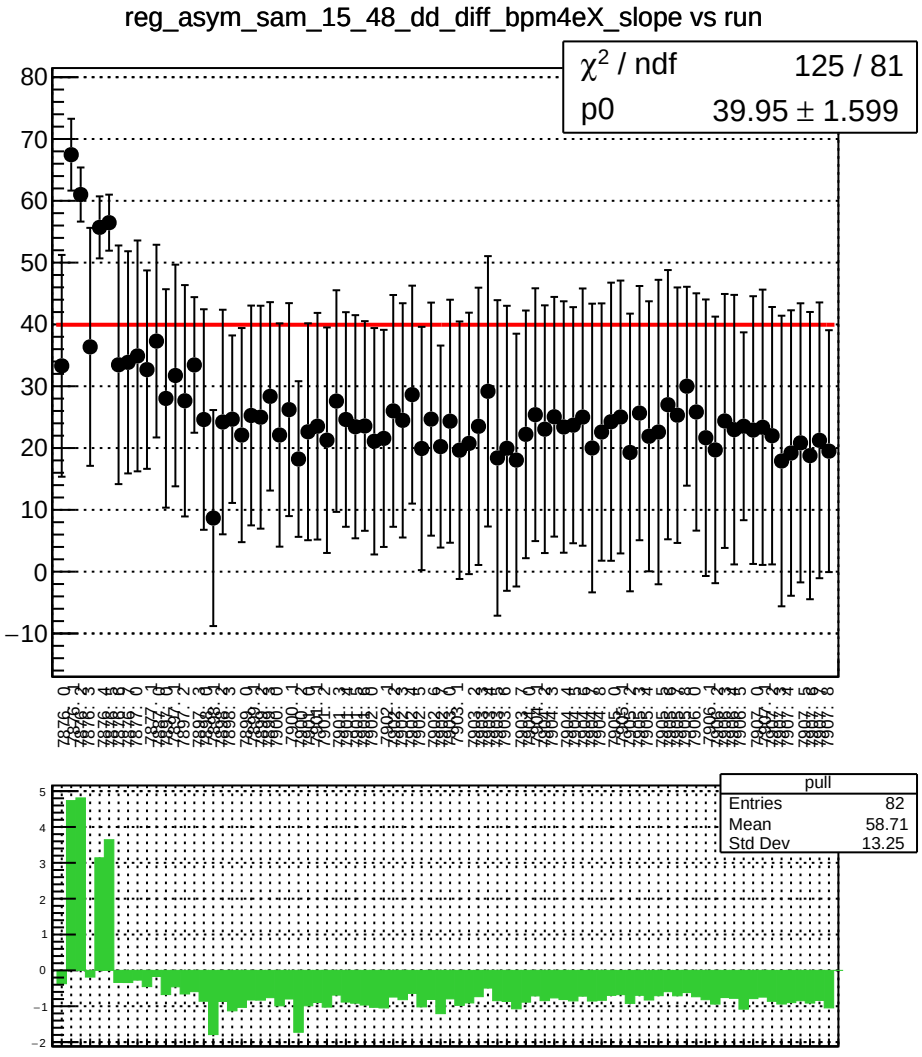


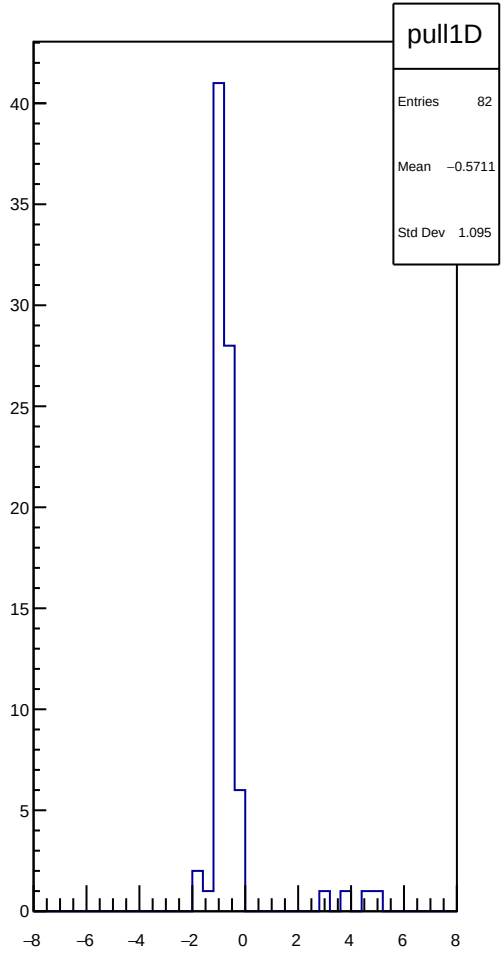

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 99.83 / 81
p0 20.36 ± 1.974
pull
Entries 82
Mean 61.26
Std Dev 17.7

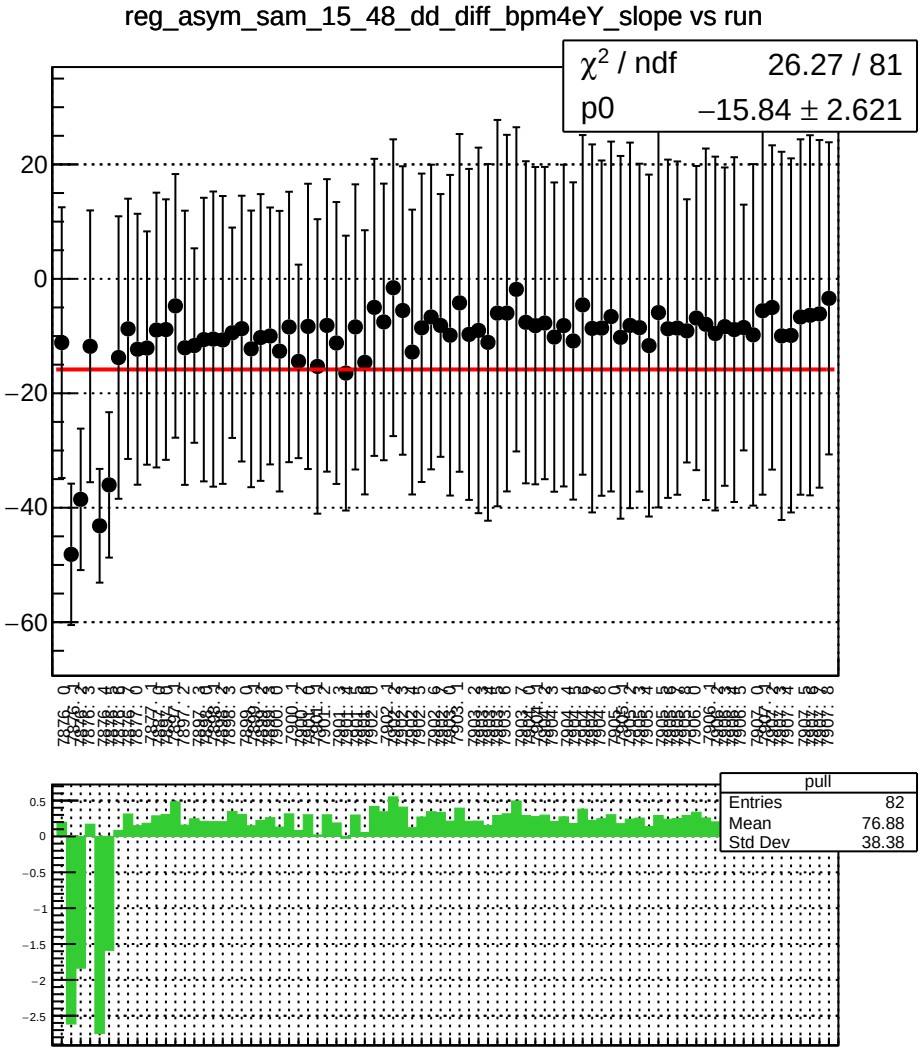

pull1D
Entries 82
Mean 0.4765
Std Dev 0.9952

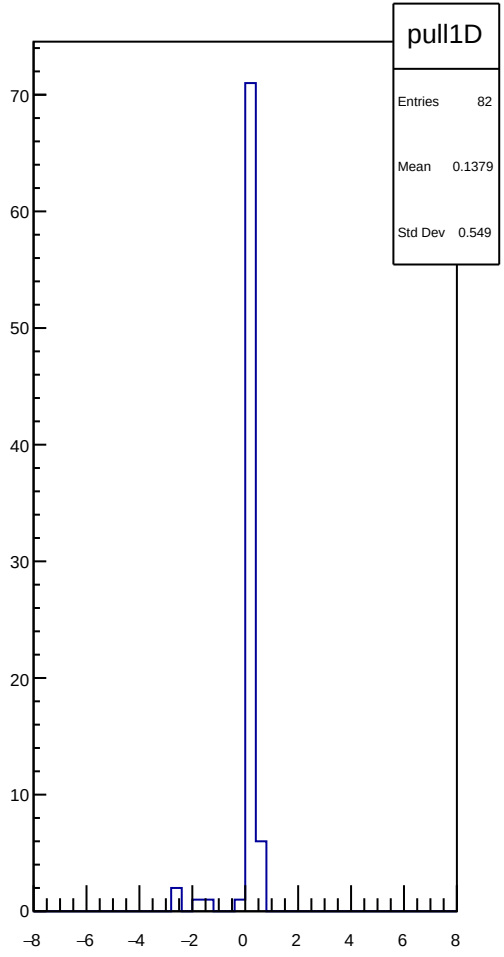

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.5 / 81
p0 −9.394 ± 2.12
pull
Entries 82
Mean 63.18
Std Dev 20.61

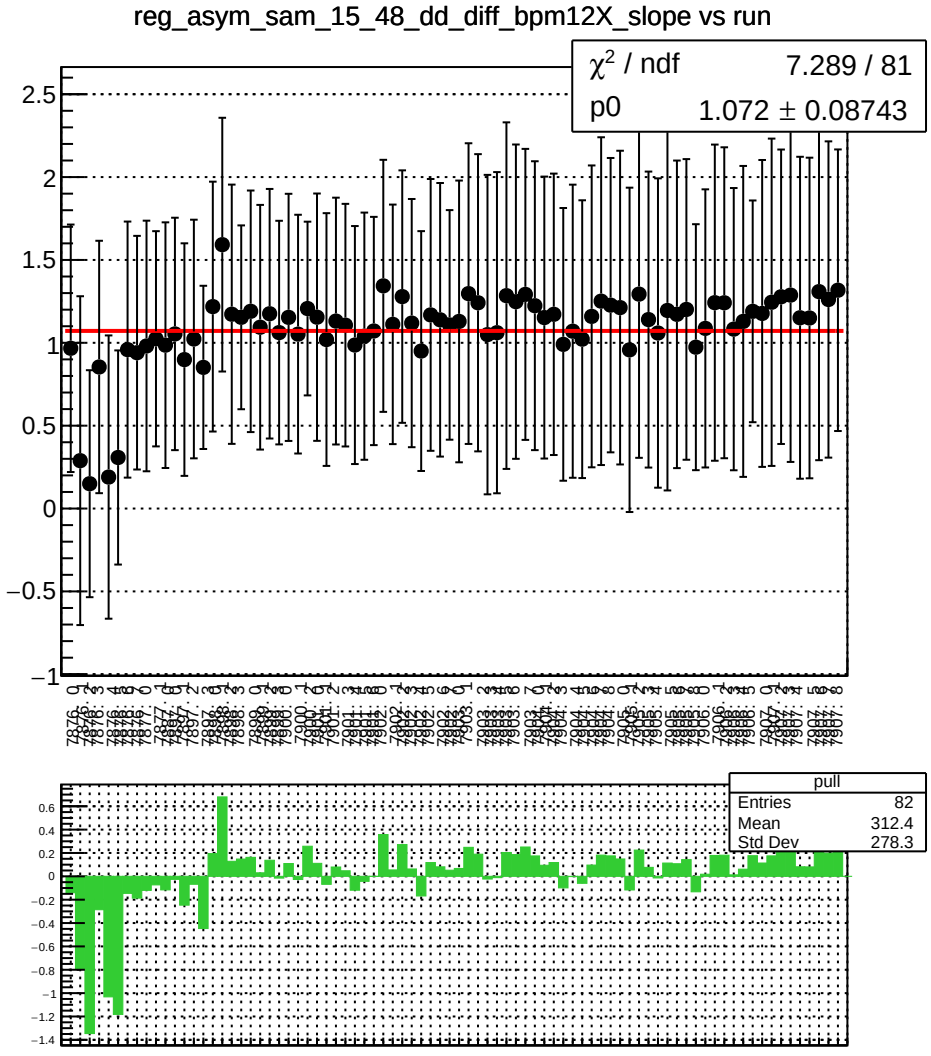

pull1D
Entries 82
Mean −0.2363
Std Dev 0.6336

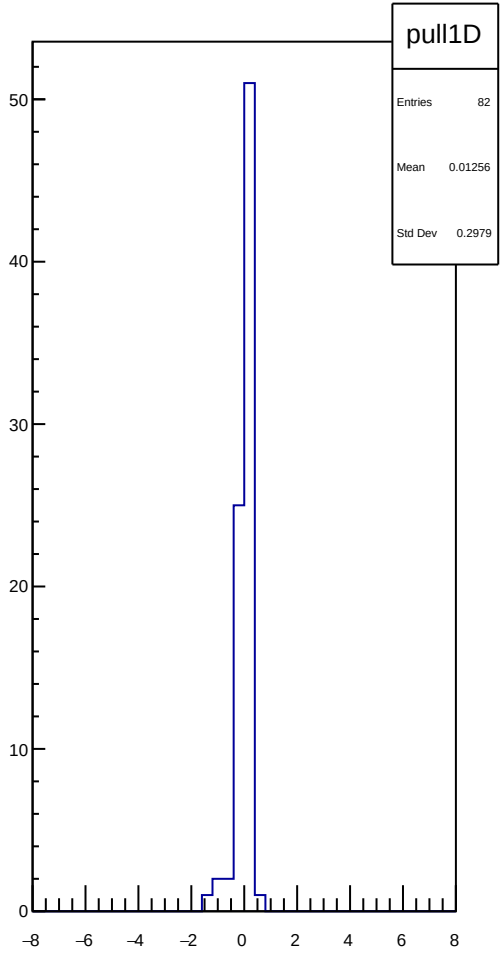

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 125 / 81
p0 39.95 ± 1.599
pull
Entries 82
Mean 58.71
Std Dev 13.25

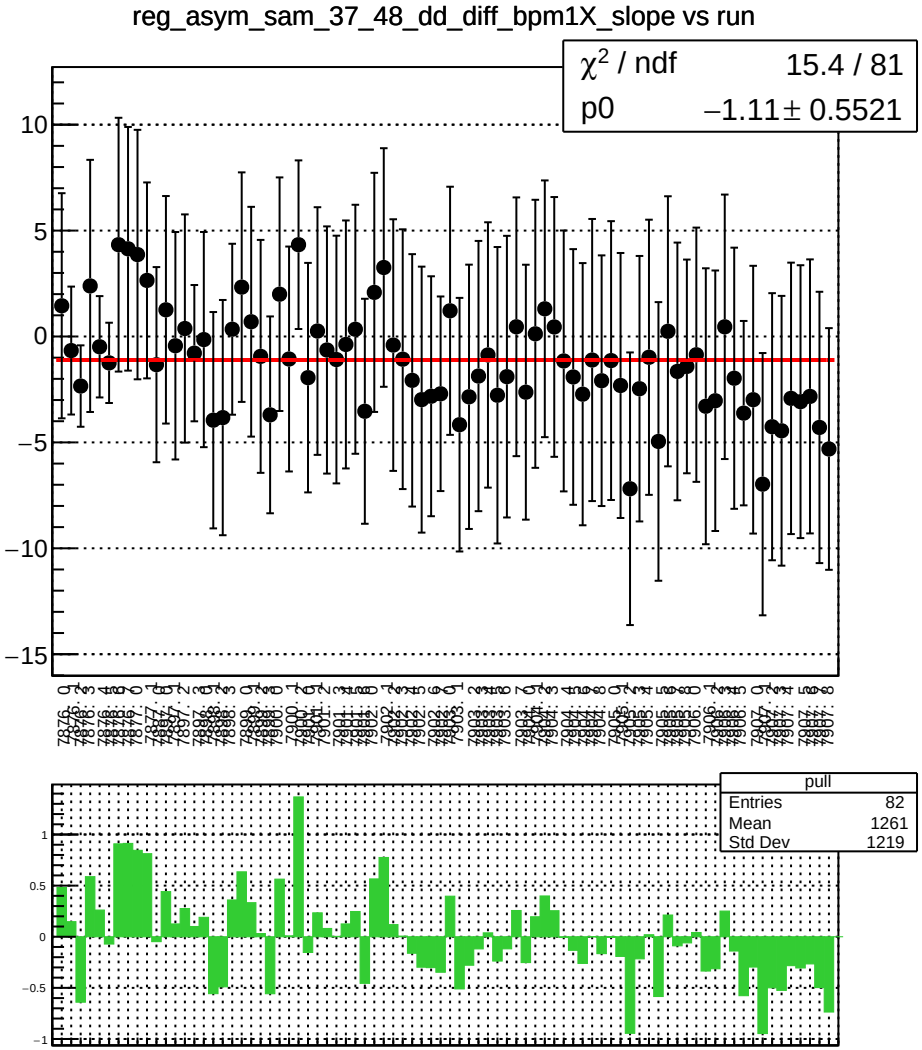

pull1D
Entries 82
Mean −0.5711
Std Dev 1.095

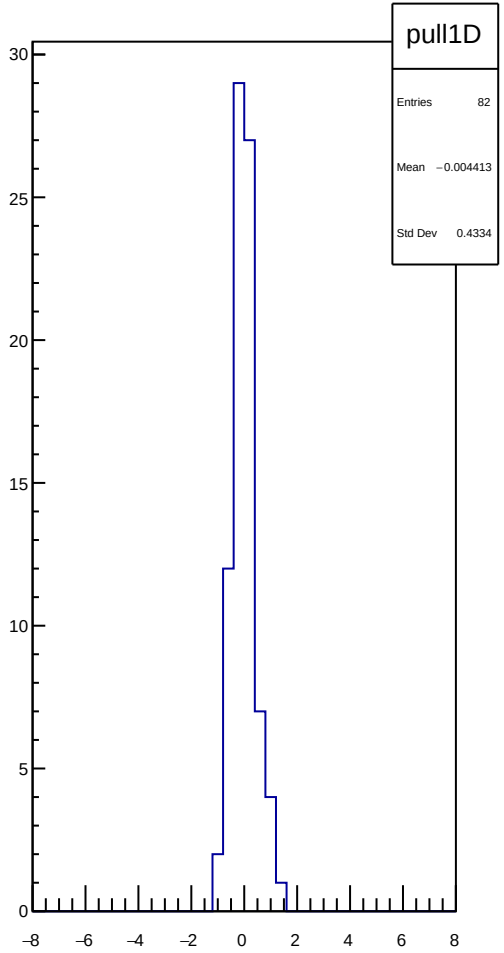

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.27 / 81
p0 −15.84 ± 2.621
pull
Entries 82
Mean 76.88
Std Dev 38.38

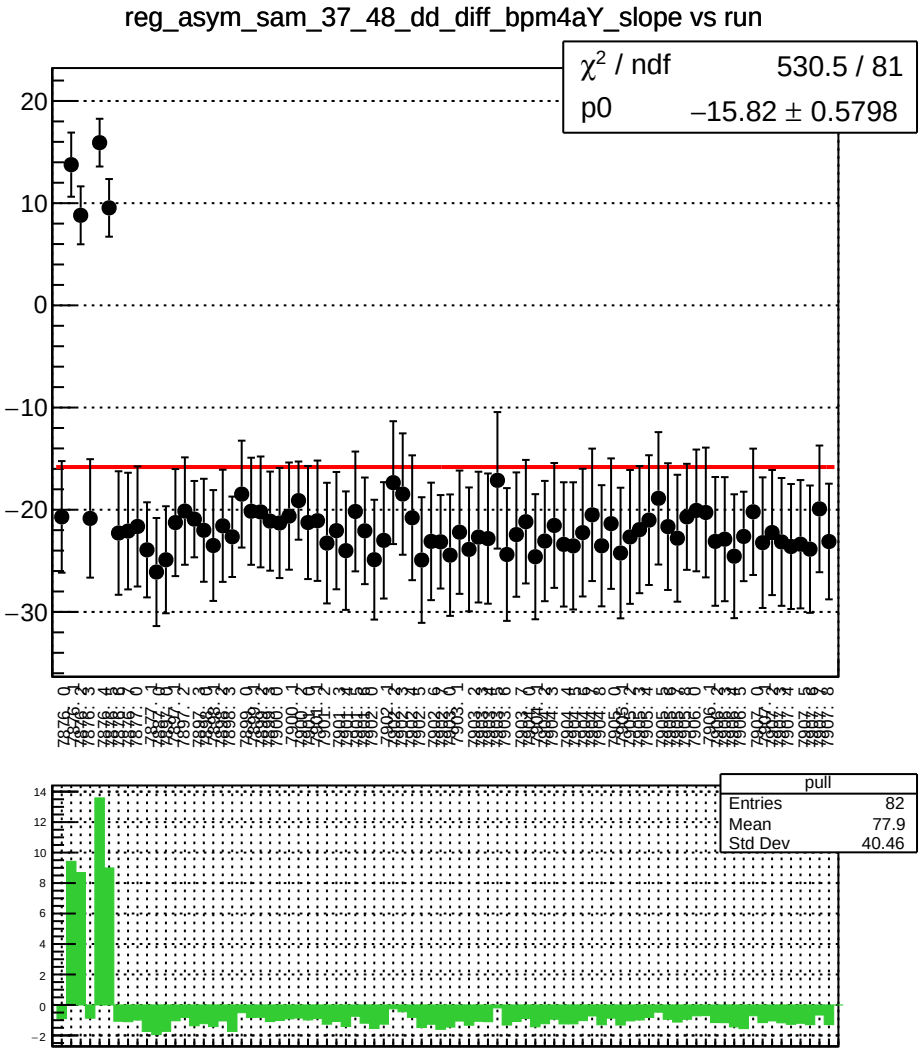

pull1D
Entries 82
Mean 0.1379
Std Dev 0.549

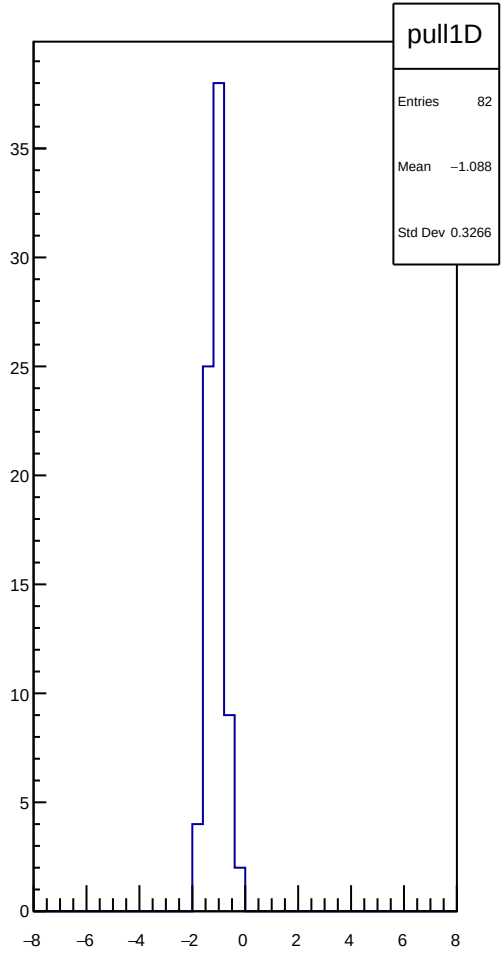

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.289 / 81
p0 1.072 ± 0.08743
pull
Entries 82
Mean 312.4
Std Dev 278.3

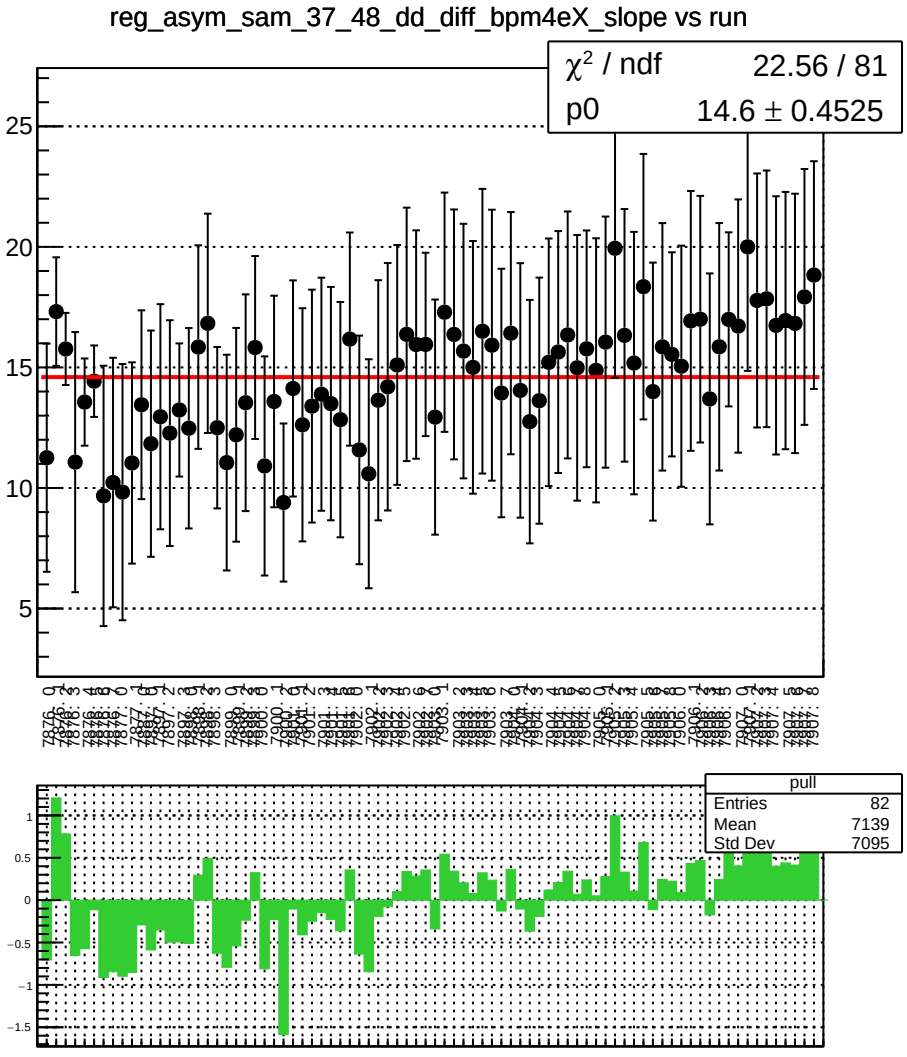

pull1D
Entries 82
Mean 0.01256
Std Dev 0.2979

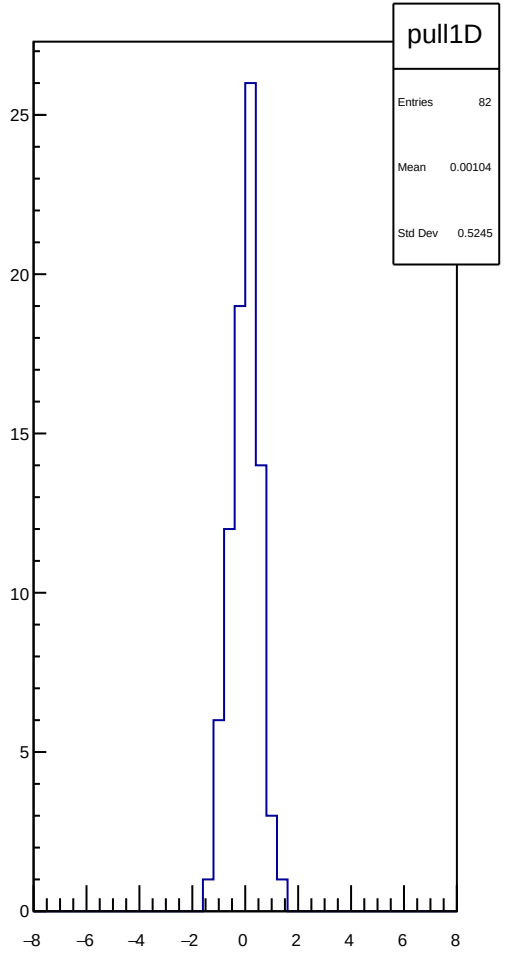

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 15.4 / 81
p0 −1.11 ± 0.5521
pull
Entries 82
Mean 1261
Std Dev 1219

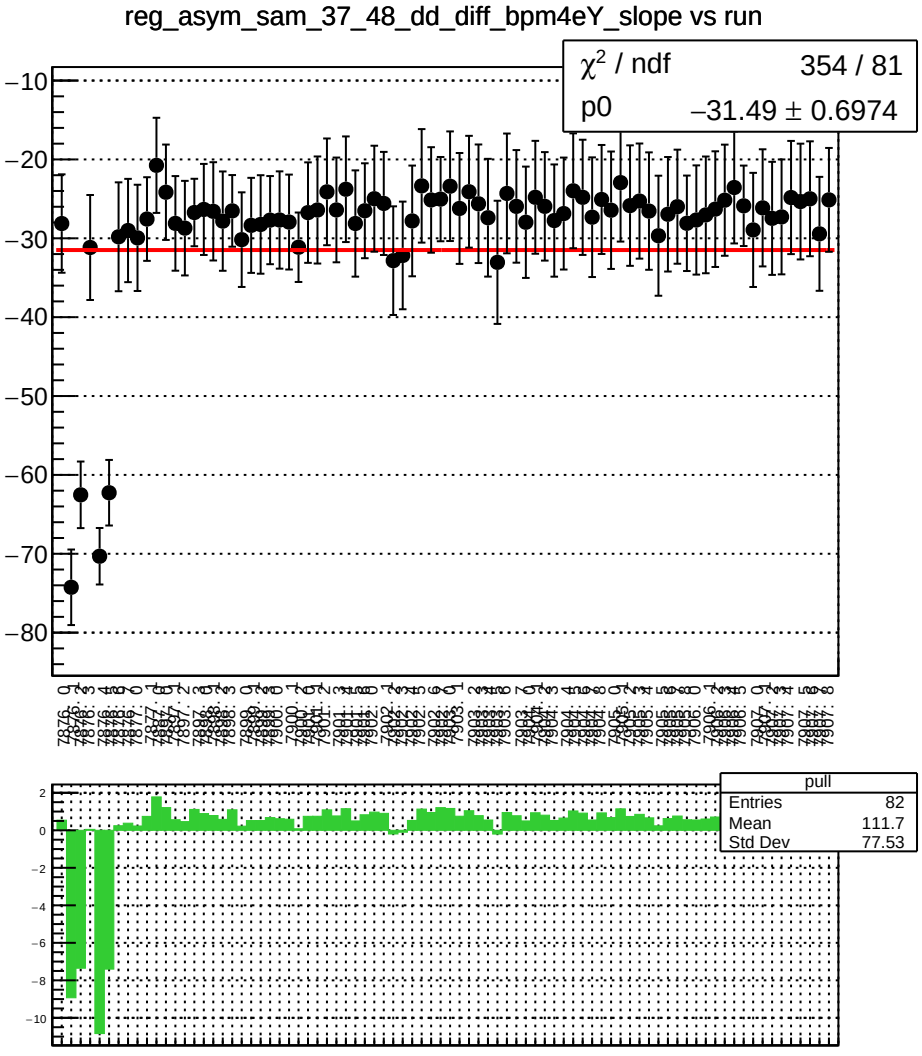

pull1D
Entries 82
Mean −0.004413
Std Dev 0.4334

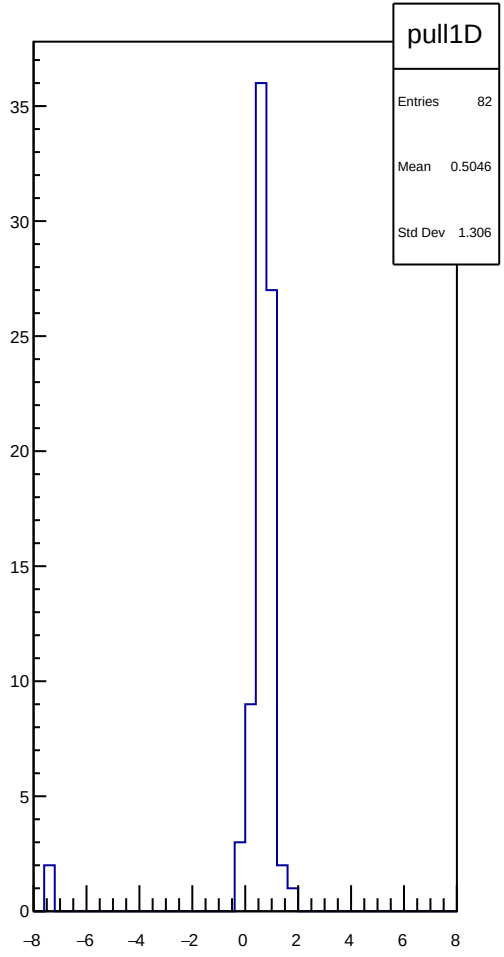

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 530.5 / 81
p0 −15.82 ± 0.5798
pull
Entries 82
Mean 77.9
Std Dev 40.46

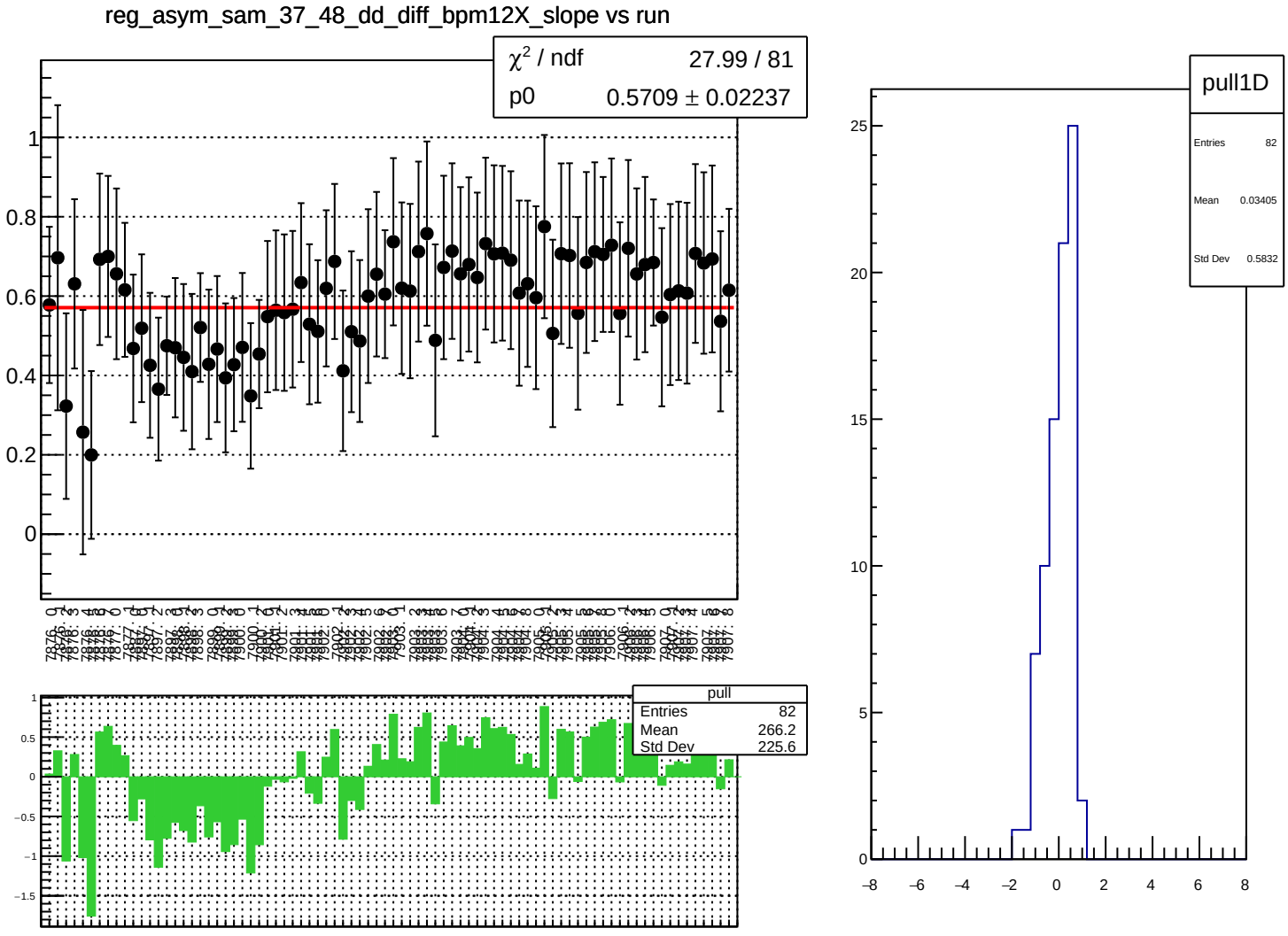

pull1D
Entries 82
Mean −1.088
Std Dev 0.3266

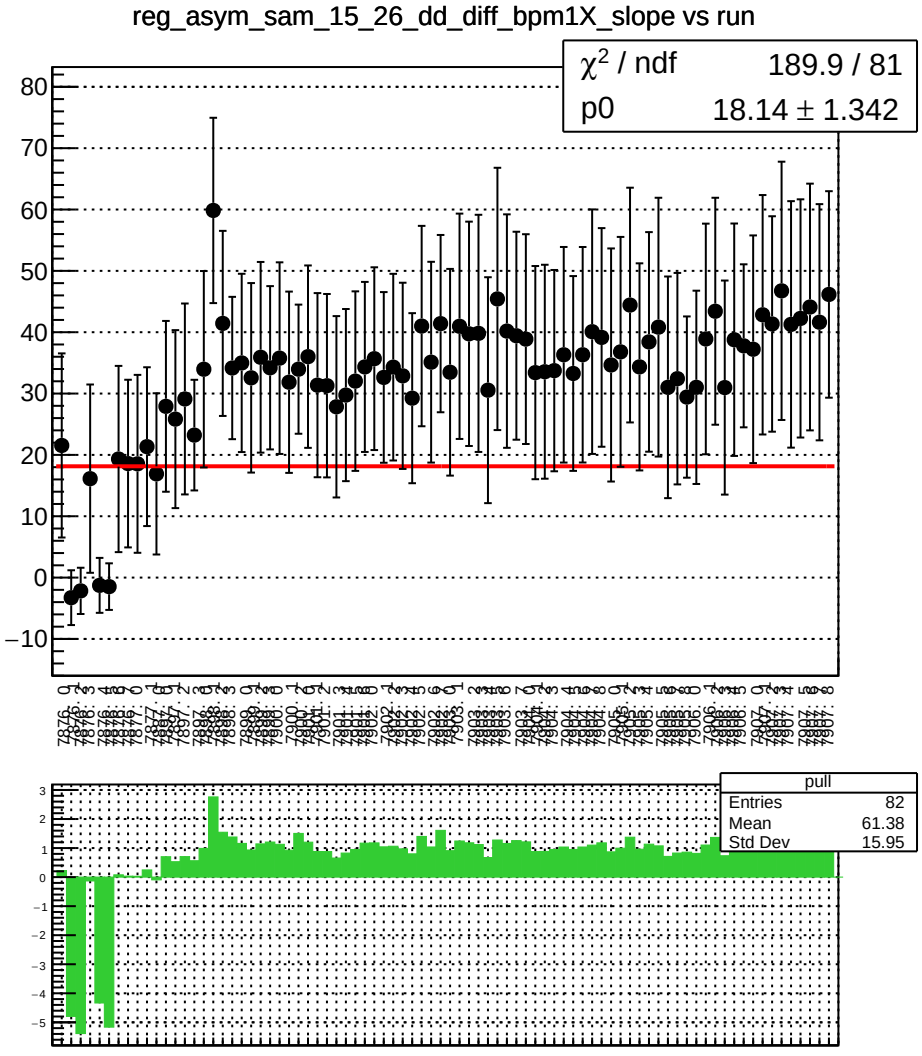

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.56 / 81
p0 14.6 ± 0.4525
pull
Entries 82
Mean 7139
Std Dev 7095

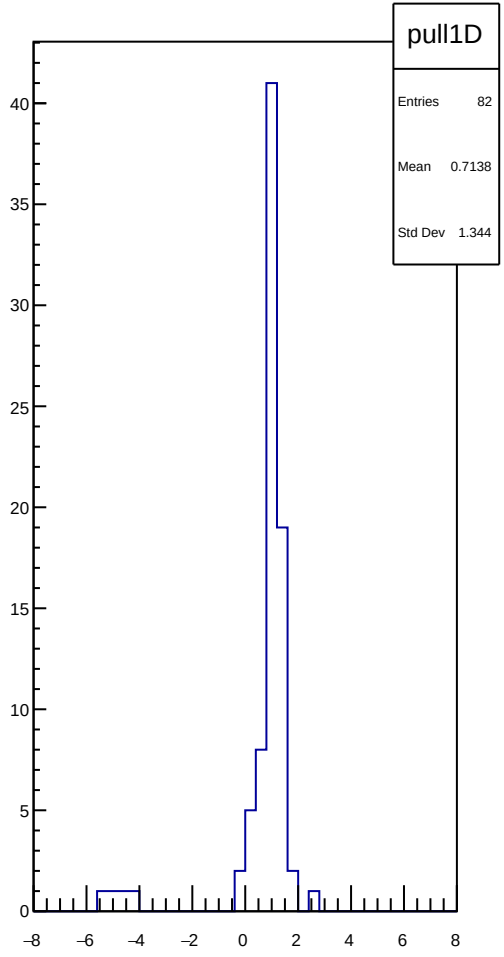

pull1D
Entries 82
Mean 0.00104
Std Dev 0.5245

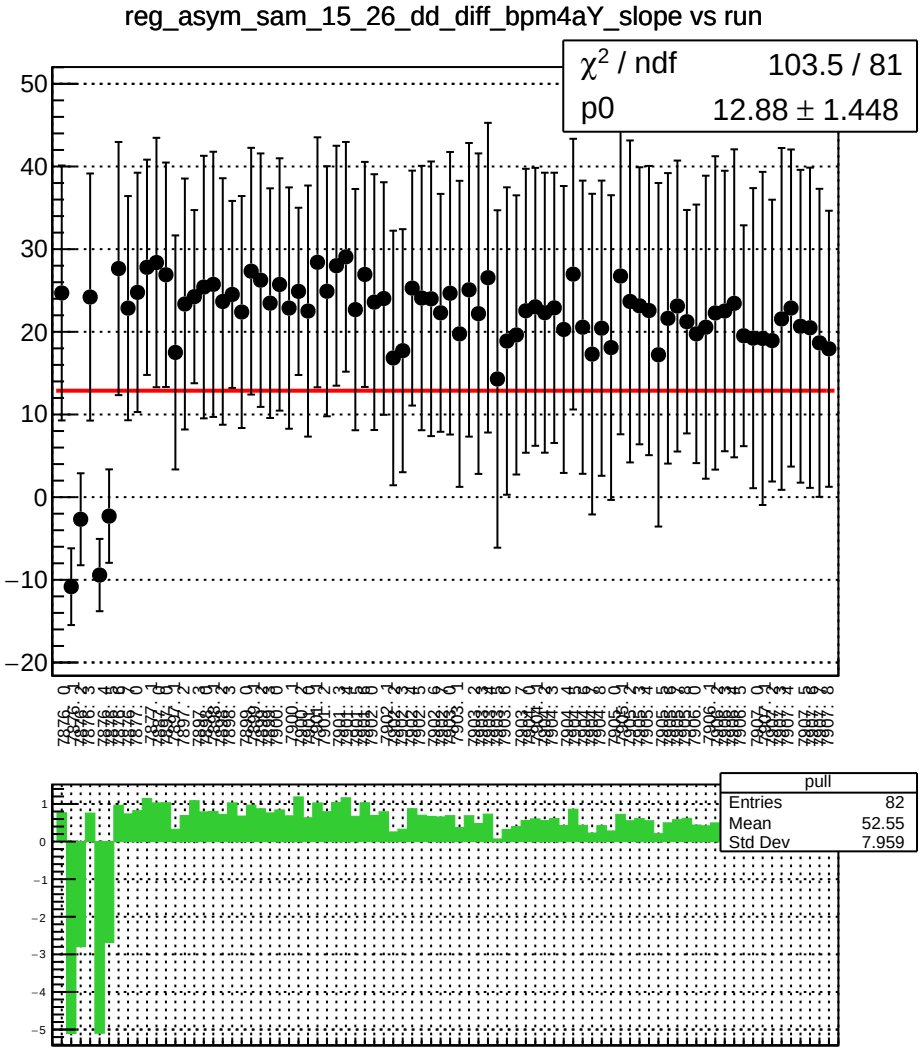

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 354 / 81
p0 −31.49 ± 0.6974
pull
Entries 82
Mean 111.7
Std Dev 77.53

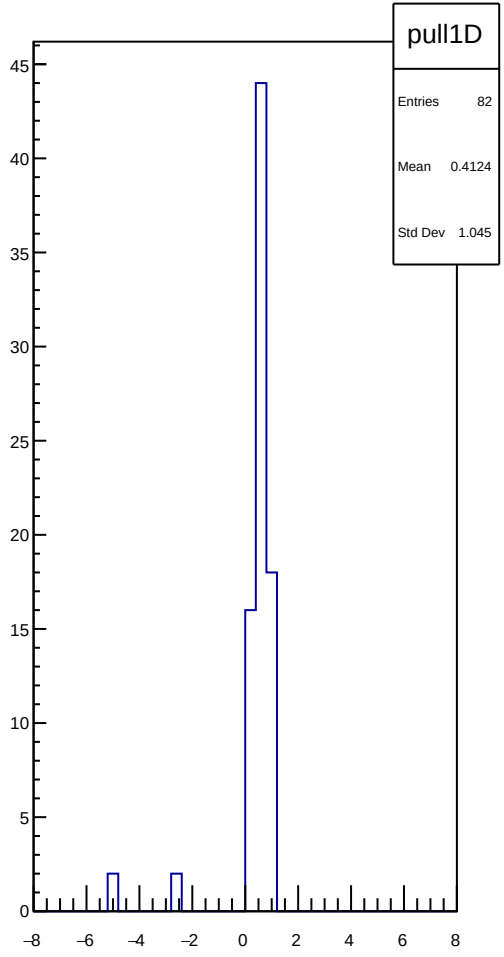

pull1D
Entries 82
Mean 0.5046
Std Dev 1.306

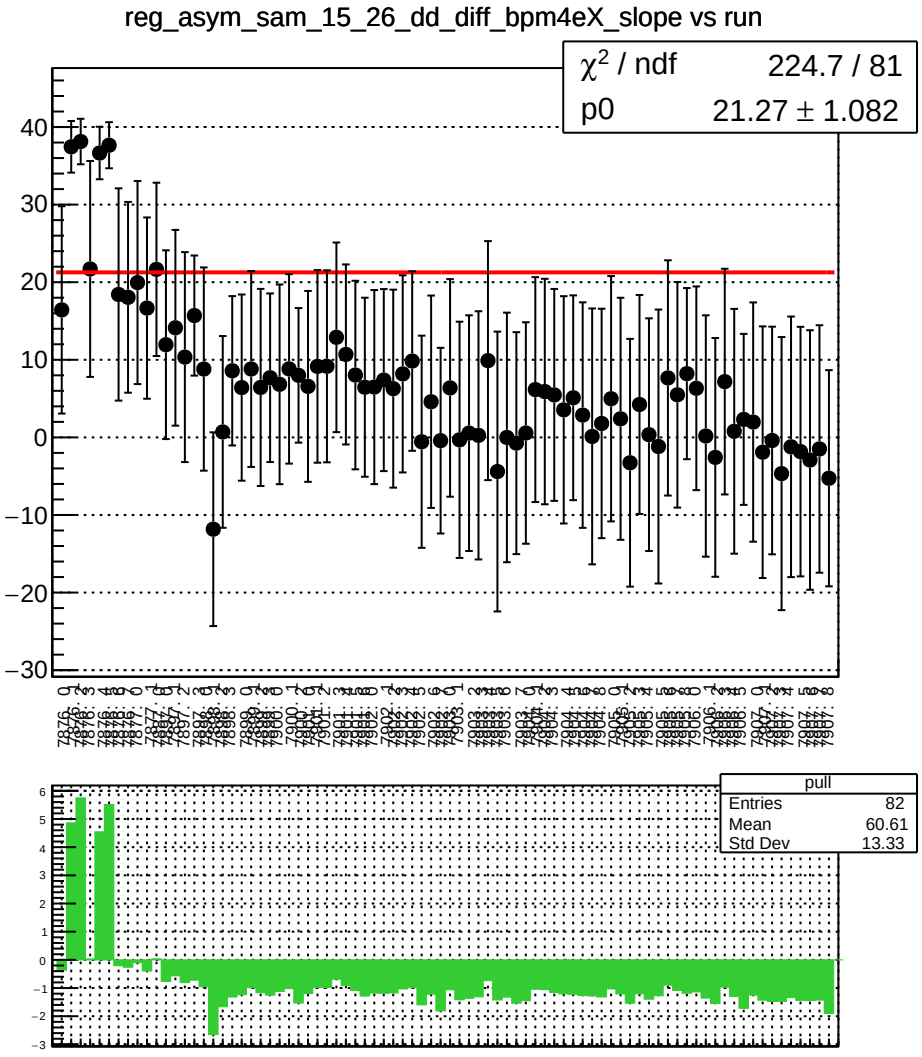

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 27.99 / 81
p0 0.5709 ± 0.02237
pull
Entries 82
Mean 266.2
Std Dev 225.6
pull1D
Entries 82
Mean 0.03405
Std Dev 0.5832

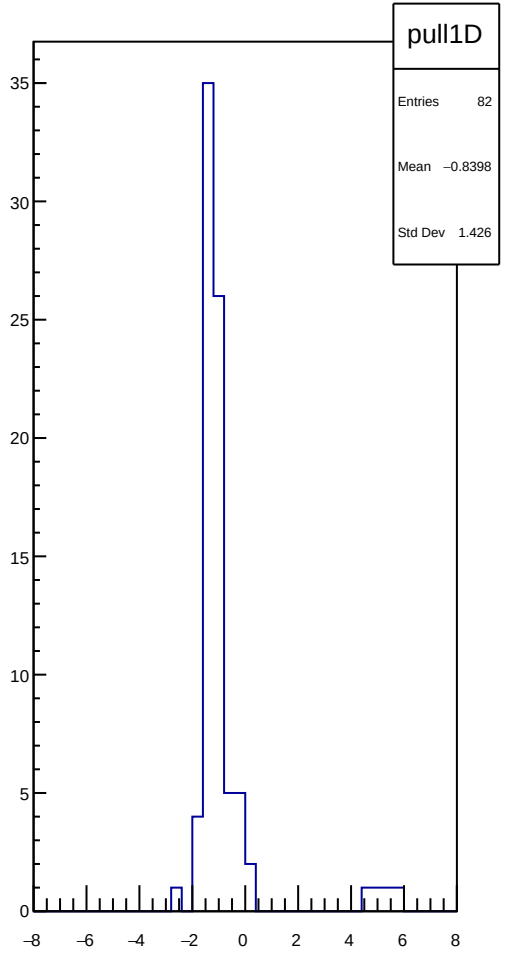

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 189.9 / 81
p0 18.14 ± 1.342
pull
Entries 82
Mean 61.38
Std Dev 15.95

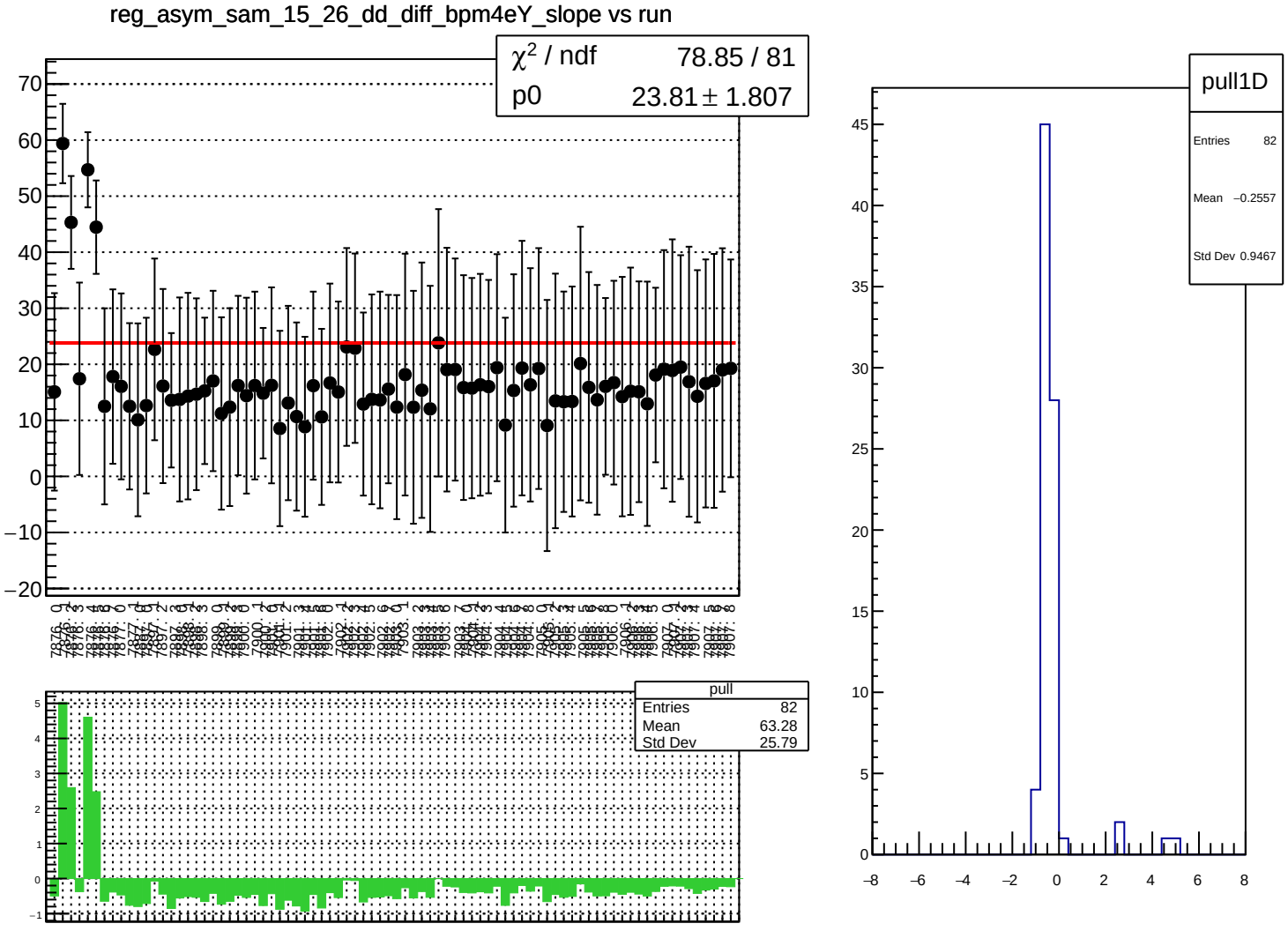

pull1D
Entries 82
Mean 0.7138
Std Dev 1.344

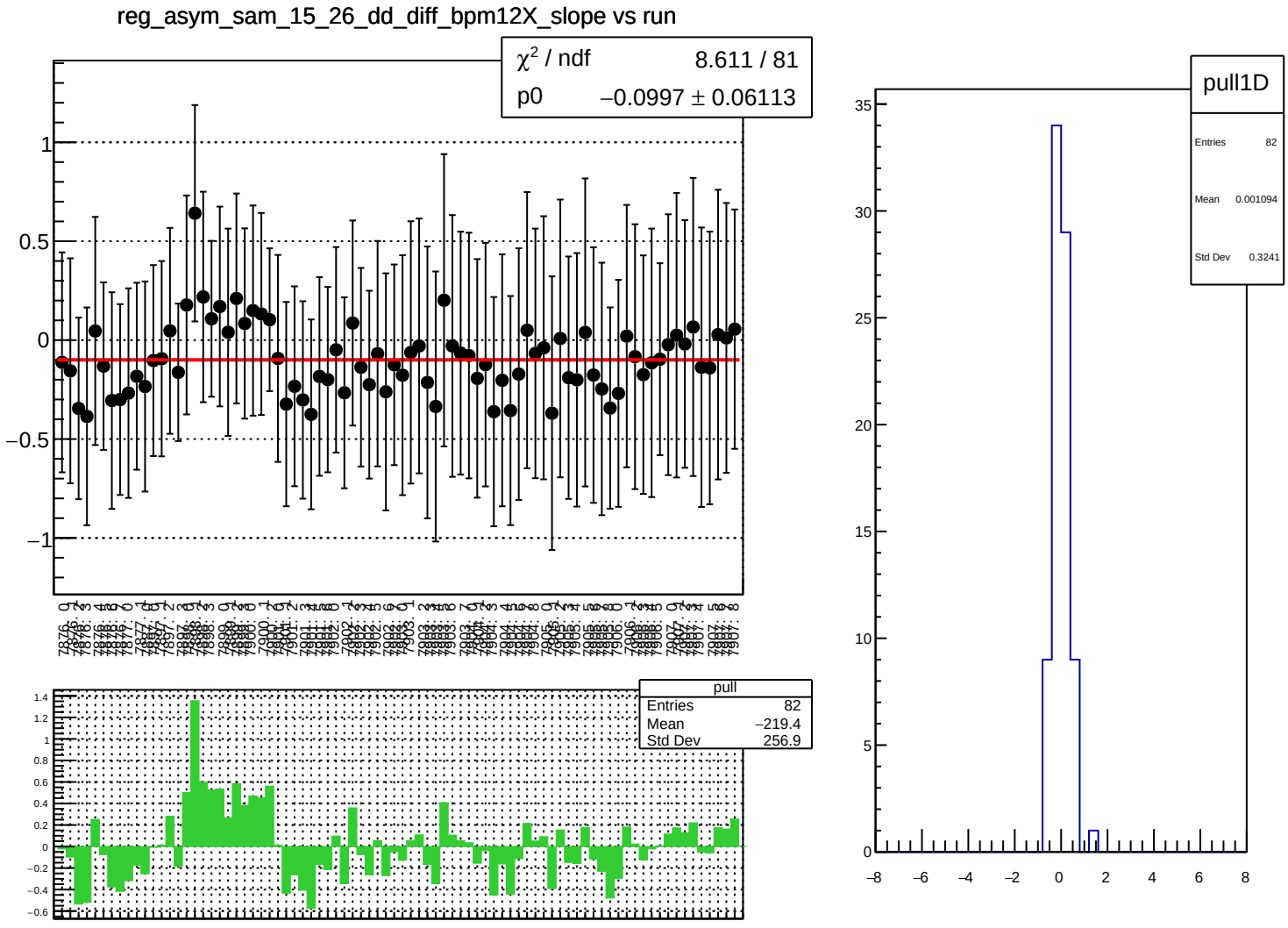

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 103.5 / 81
p0 12.88 ± 1.448
pull
Entries 82
Mean 52.55
Std Dev 7.959

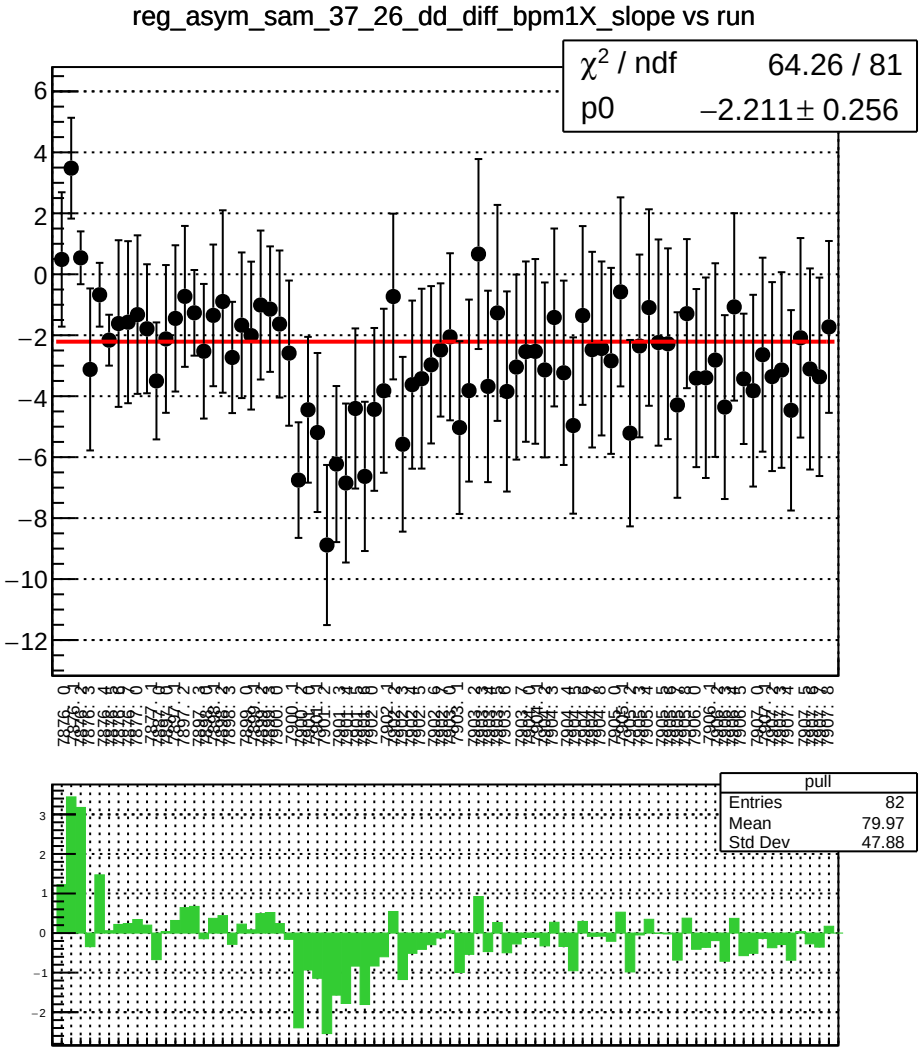

pull1D
Entries 82
Mean 0.4124
Std Dev 1.045

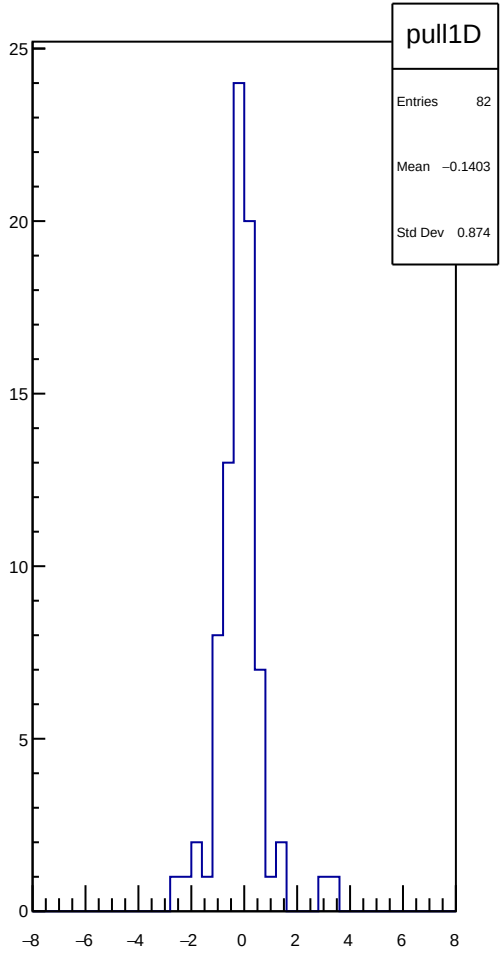

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 224.7 / 81
p0 21.27 ± 1.082
pull
Entries 82
Mean 60.61
Std Dev 13.33

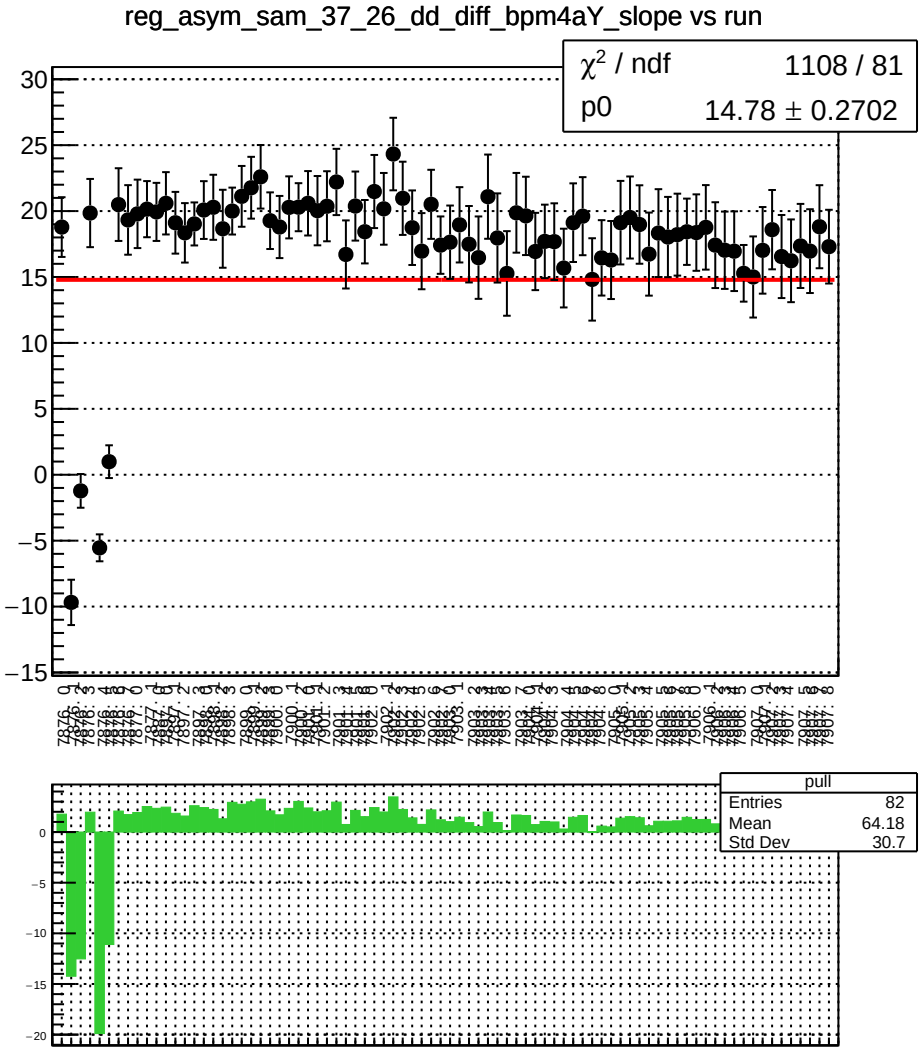

pull1D
Entries 82
Mean −0.8398
Std Dev 1.426

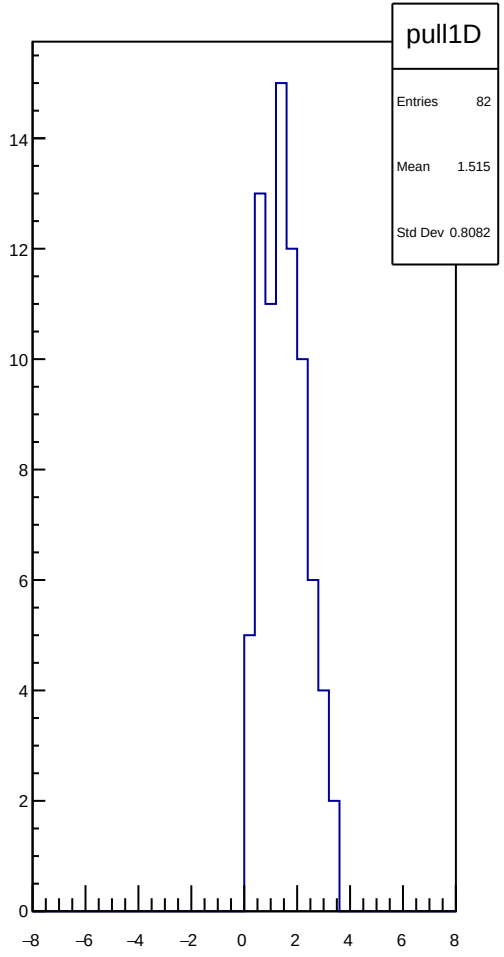

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.85 / 81
p0 23.81 ± 1.807
pull
Entries 82
Mean 63.28
Std Dev 25.79
pull1D
Entries 82
Mean −0.2557
Std Dev 0.9467

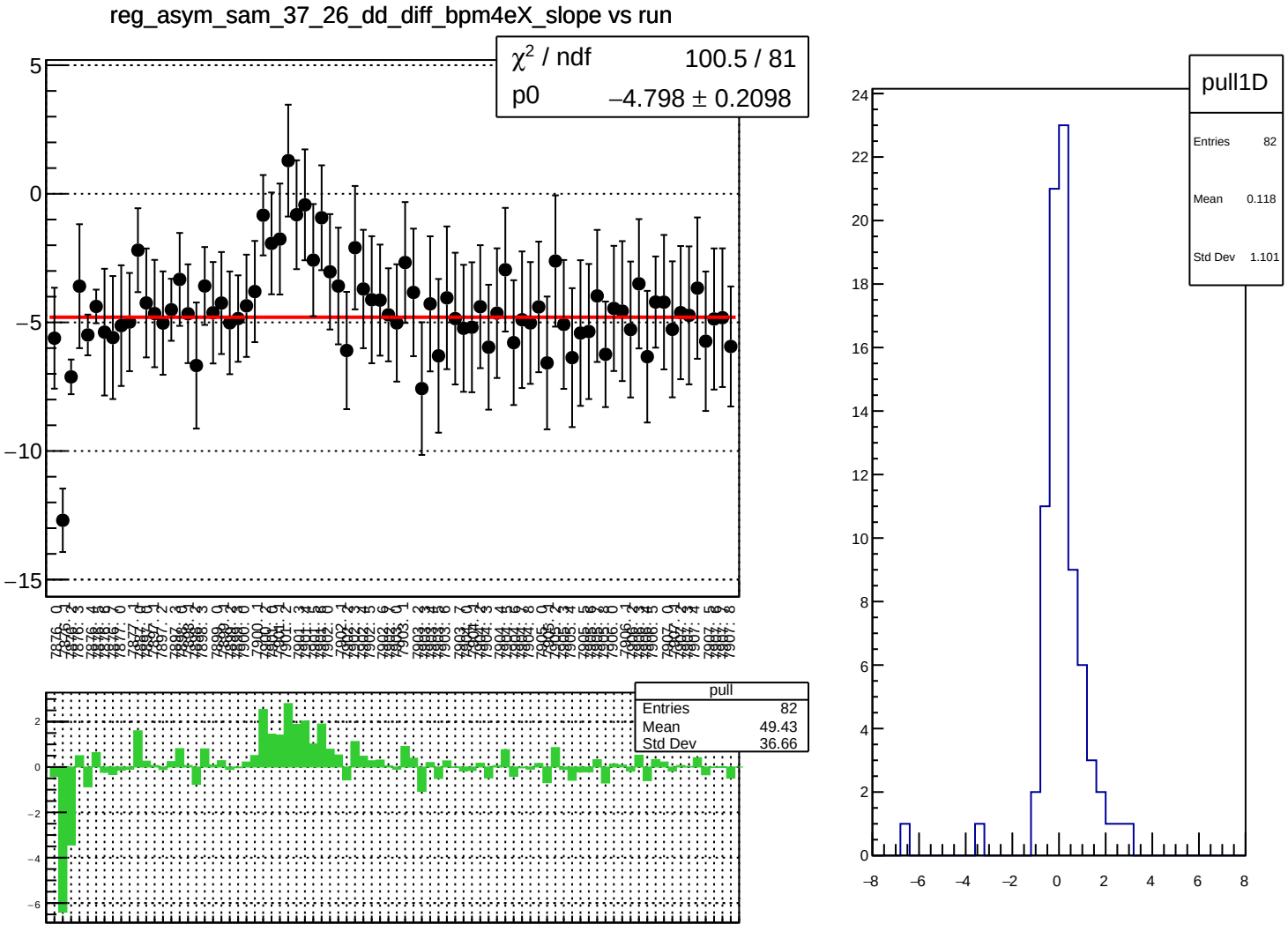

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.611 / 81
p0 −0.0997 ± 0.06113
pull
Entries 82
Mean −219.4
Std Dev 256.9
pull1D
Entries 82
Mean 0.001094
Std Dev 0.3241

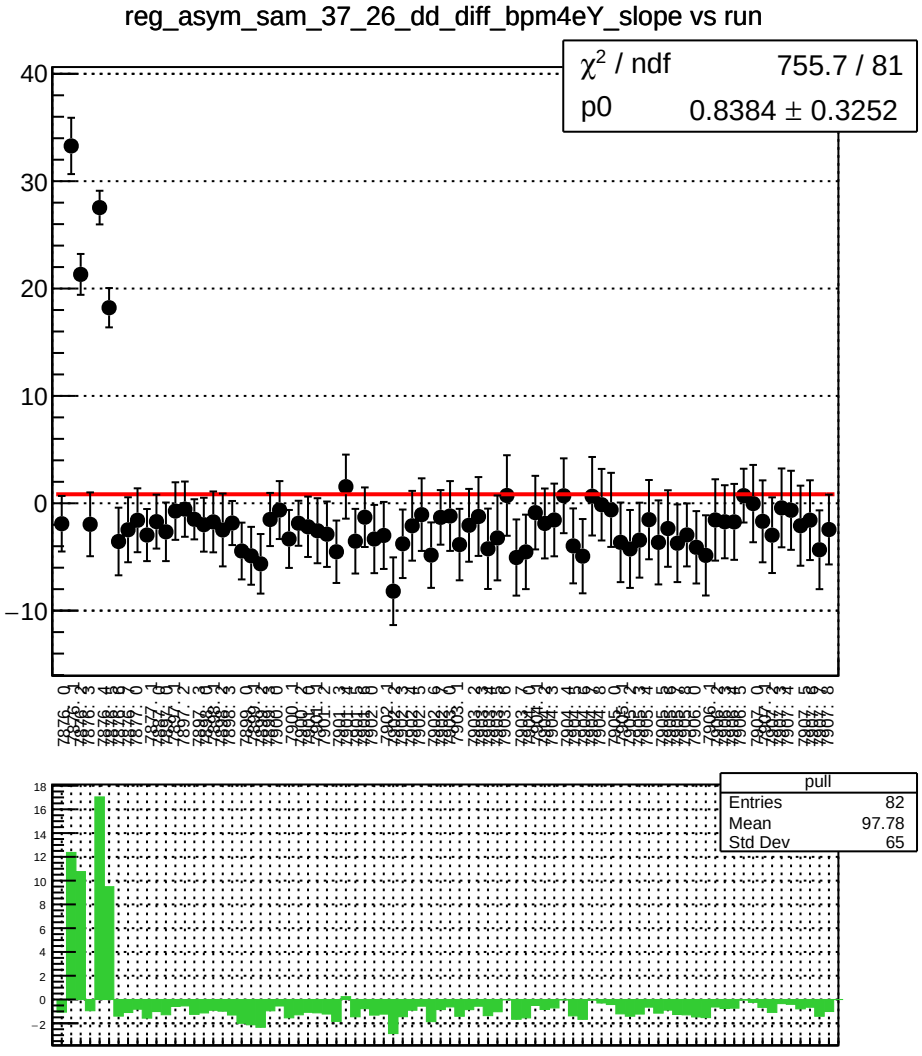

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 64.26 / 81
p0 −2.211 ± 0.256
pull
Entries 82
Mean 79.97
Std Dev 47.88

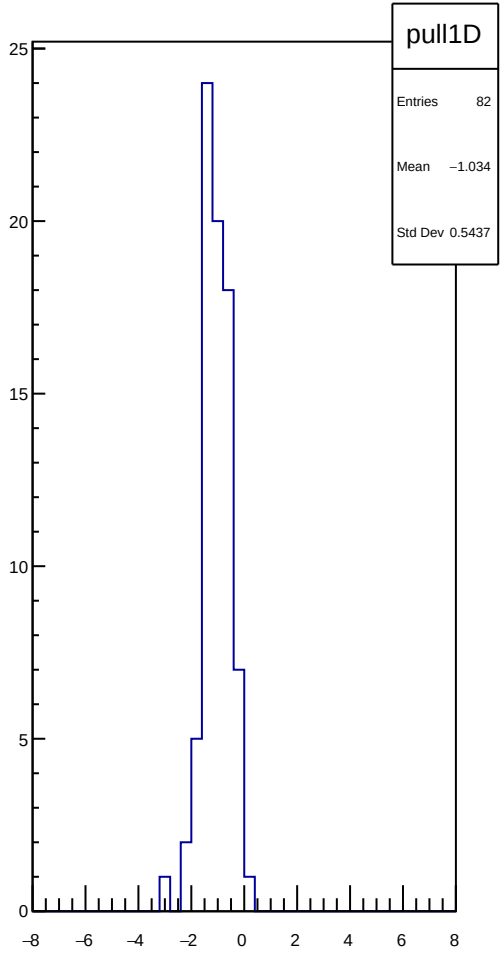

pull1D
Entries 82
Mean −0.1403
Std Dev 0.874

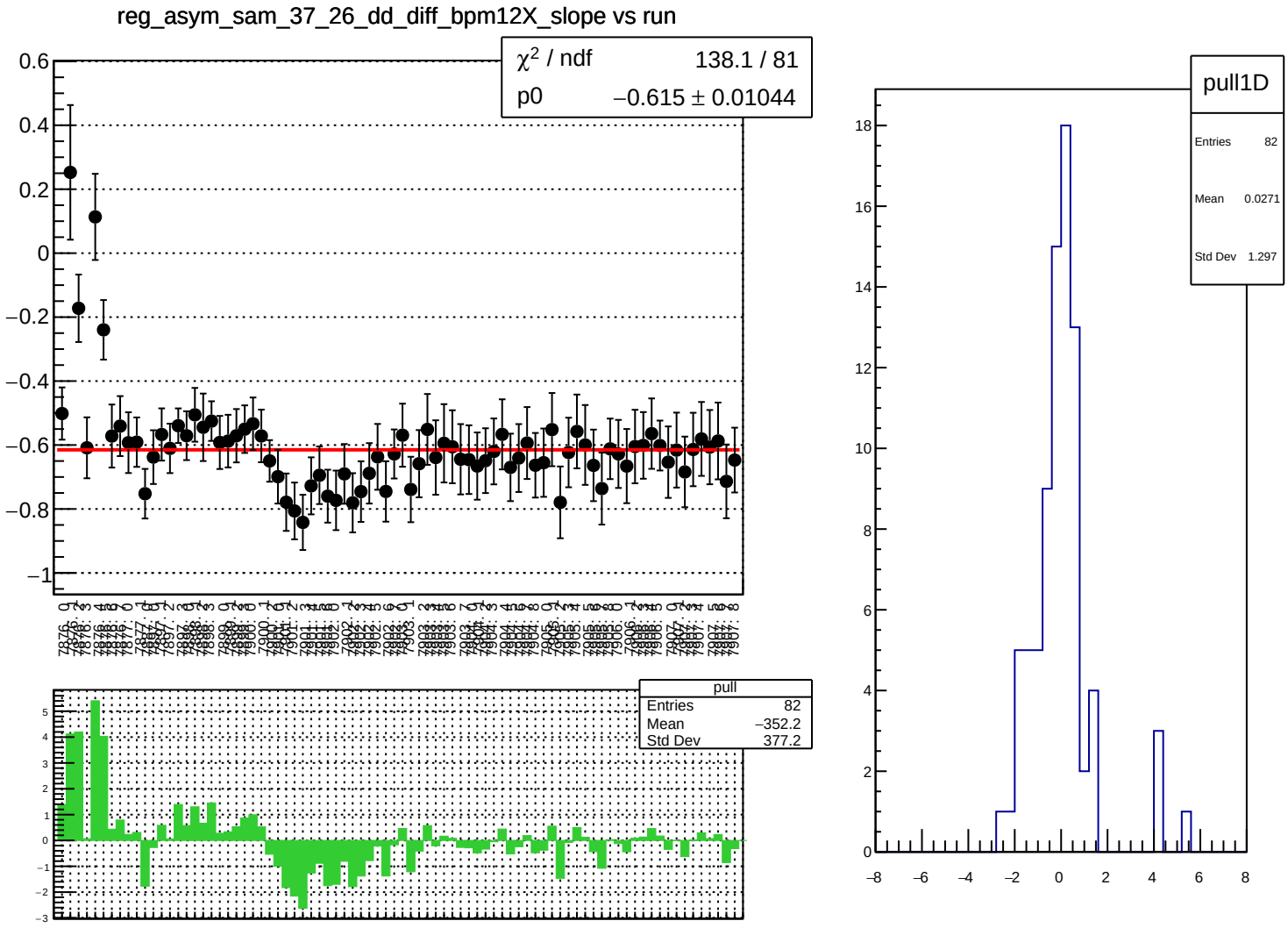

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1108 / 81
p0 14.78 ± 0.2702
pull
Entries 82
Mean 64.18
Std Dev 30.7

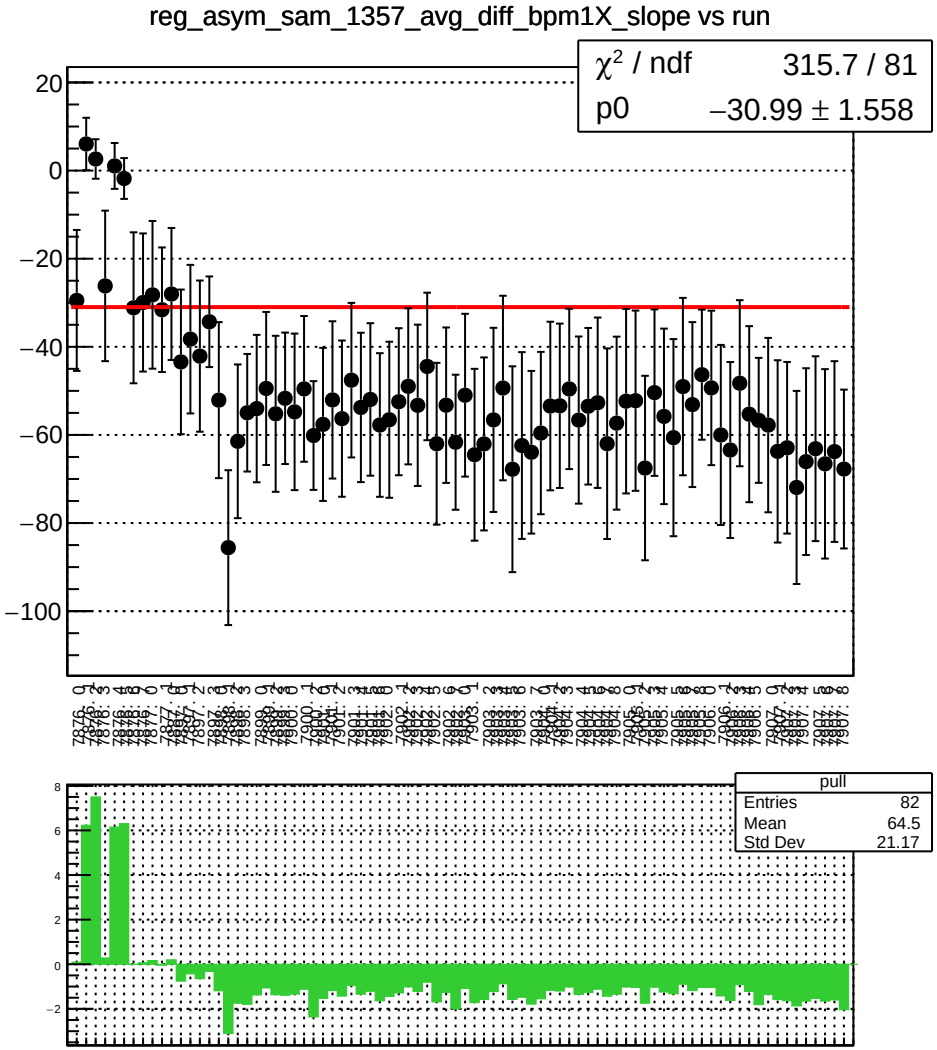

pull1D
Entries 82
Mean 1.515
Std Dev 0.8082

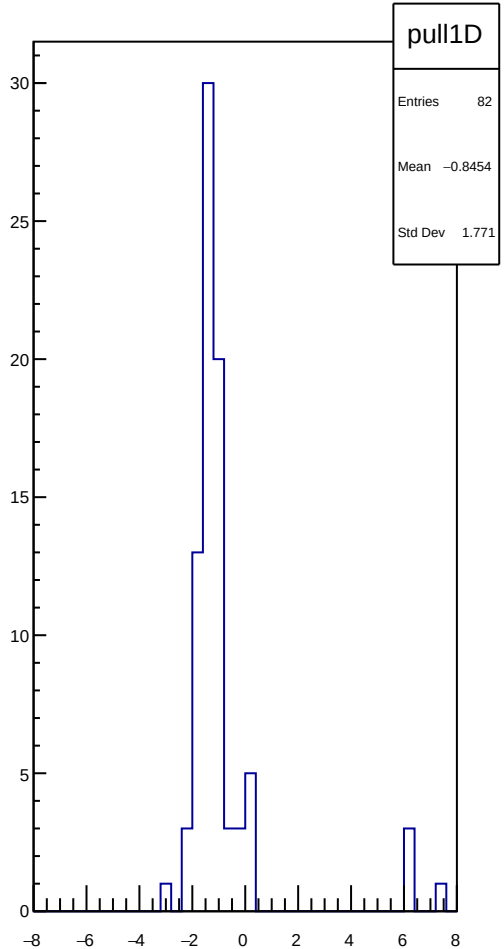

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 100.5 / 81
p0 –4.798 ± 0.2098
pull
Entries 82
Mean 49.43
Std Dev 36.66
pull1D
Entries 82
Mean 0.118
Std Dev 1.101

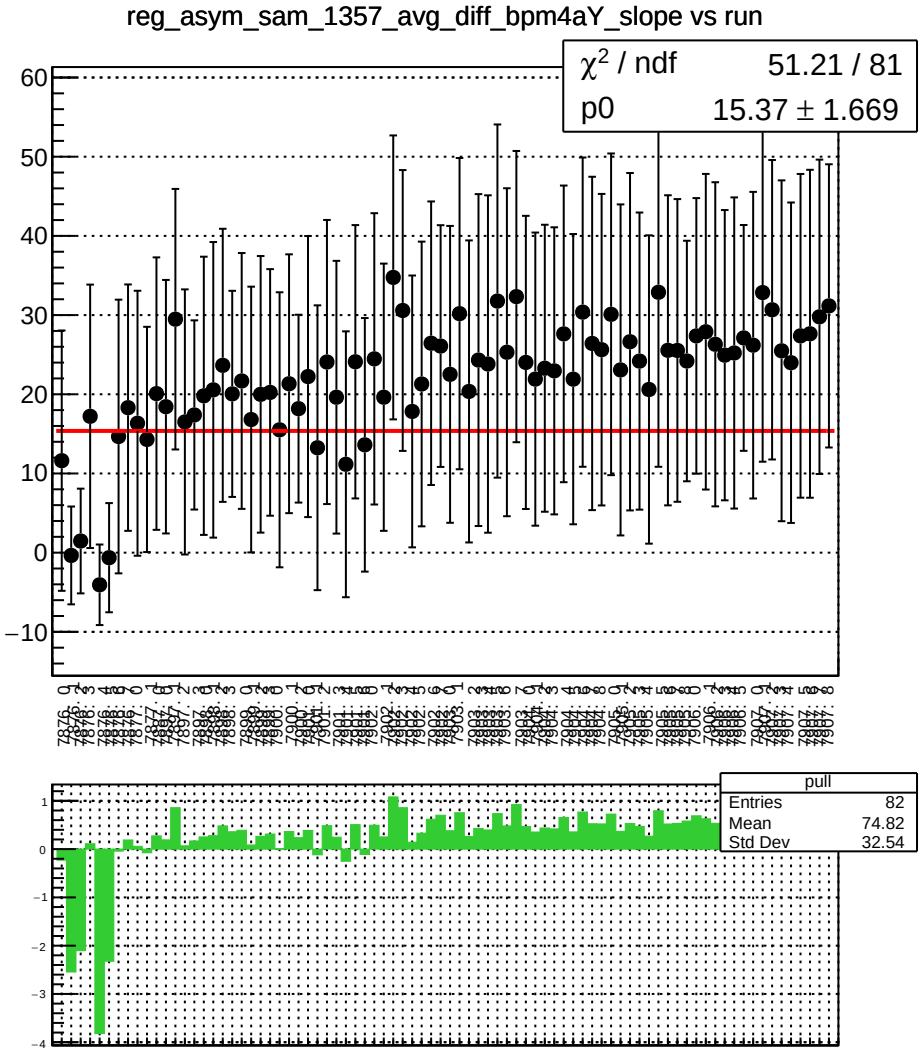

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 755.7 / 81
p0 0.8384 ± 0.3252
pull
Entries 82
Mean 97.78
Std Dev 65

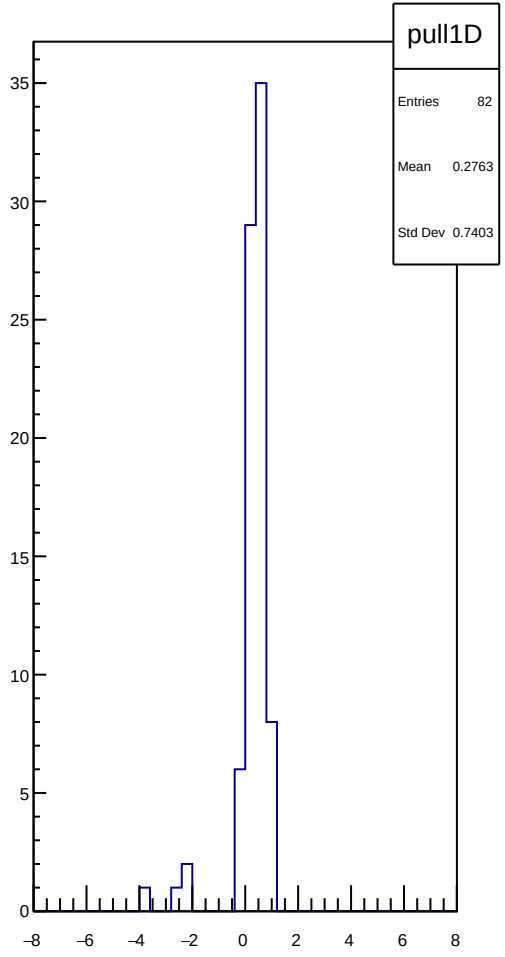

pull1D
Entries 82
Mean −1.034
Std Dev 0.5437

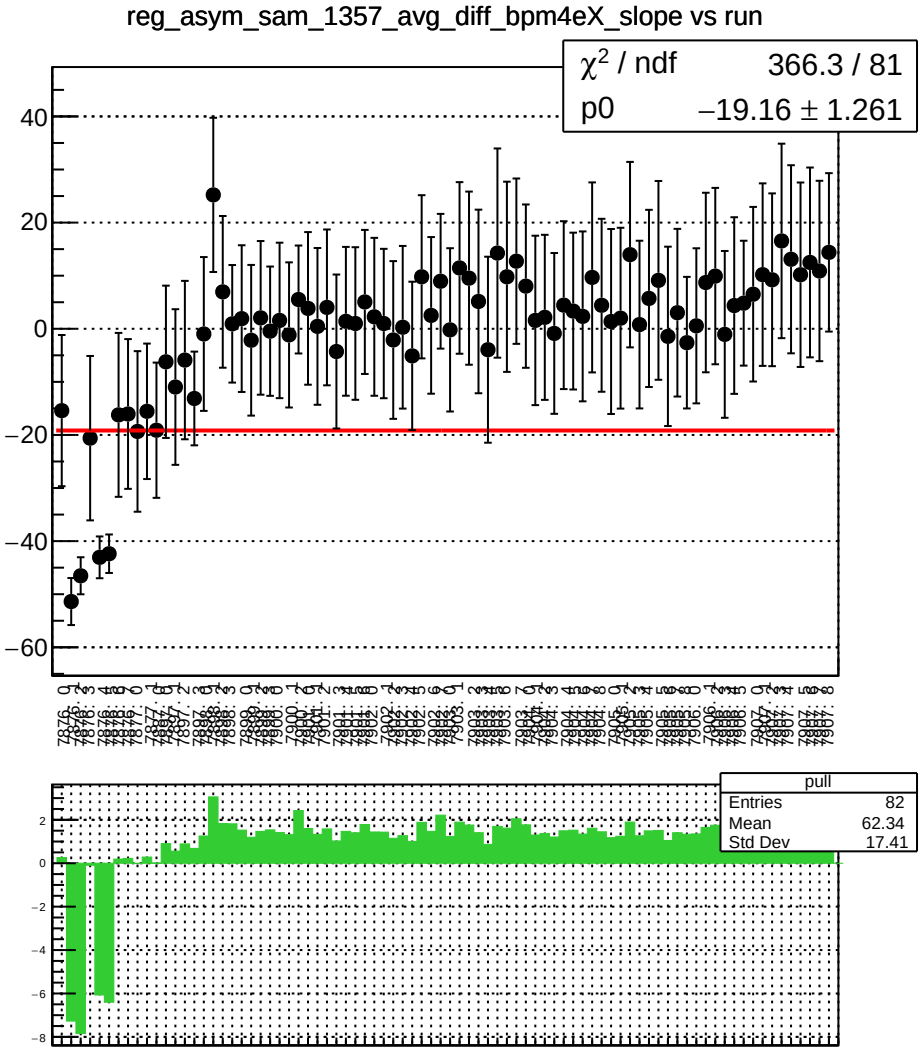

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 138.1 / 81
p0 −0.615 ± 0.01044
pull
Entries 82
Mean −352.2
Std Dev 377.2
pull1D
Entries 82
Mean 0.0271
Std Dev 1.297

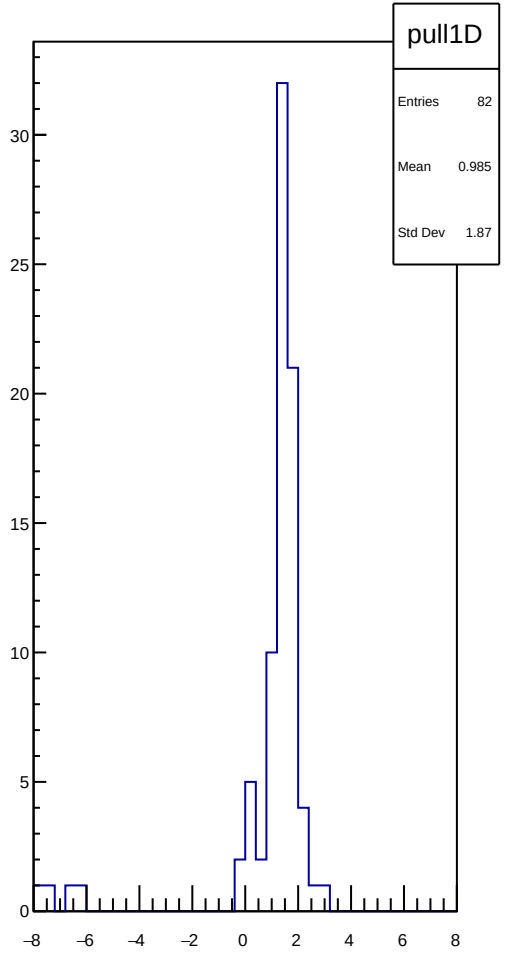

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 315.7 / 81
p0 −30.99 ± 1.558
pull
Entries 82
Mean 64.5
Std Dev 21.17

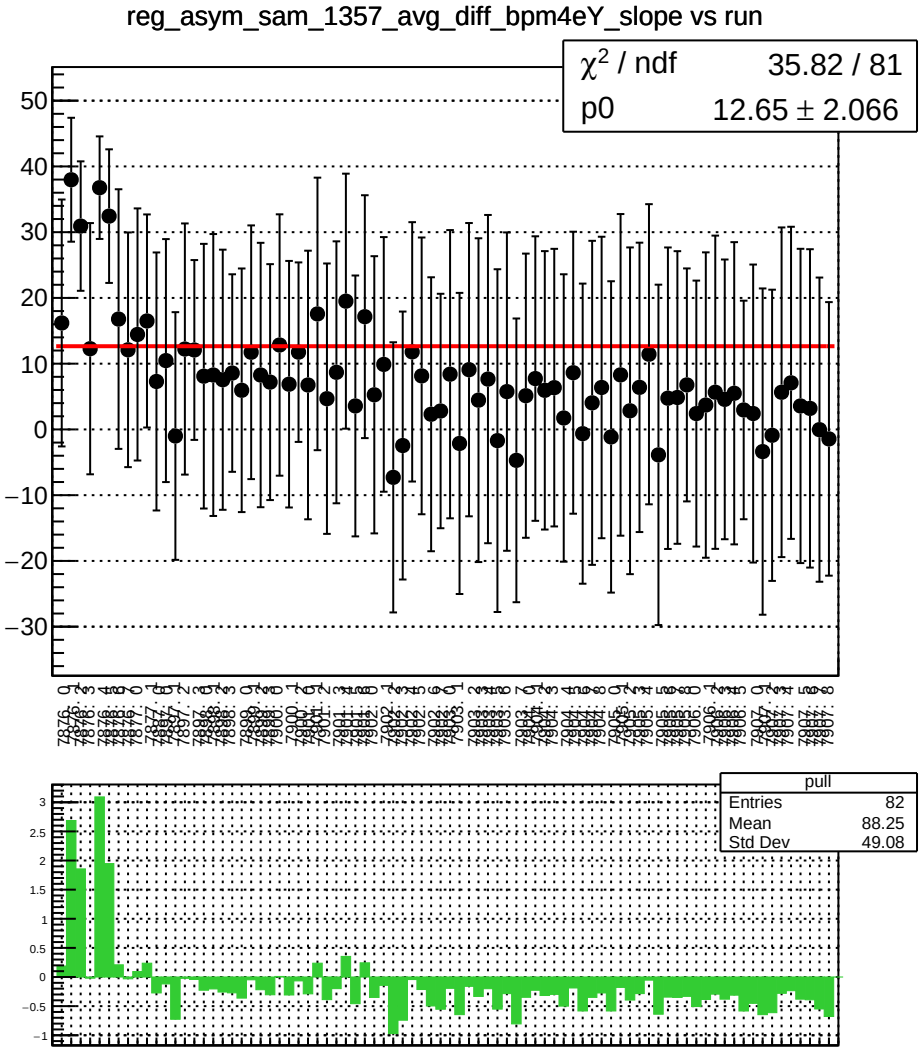

pull1D
Entries 82
Mean −0.8454
Std Dev 1.771

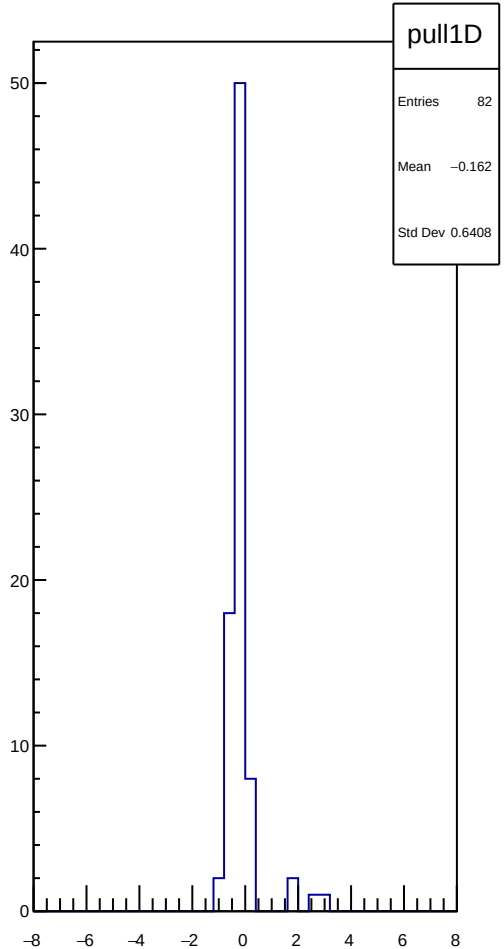

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 51.21 / 81
p0 15.37 ± 1.669
pull
Entries 82
Mean 74.82
Std Dev 32.54

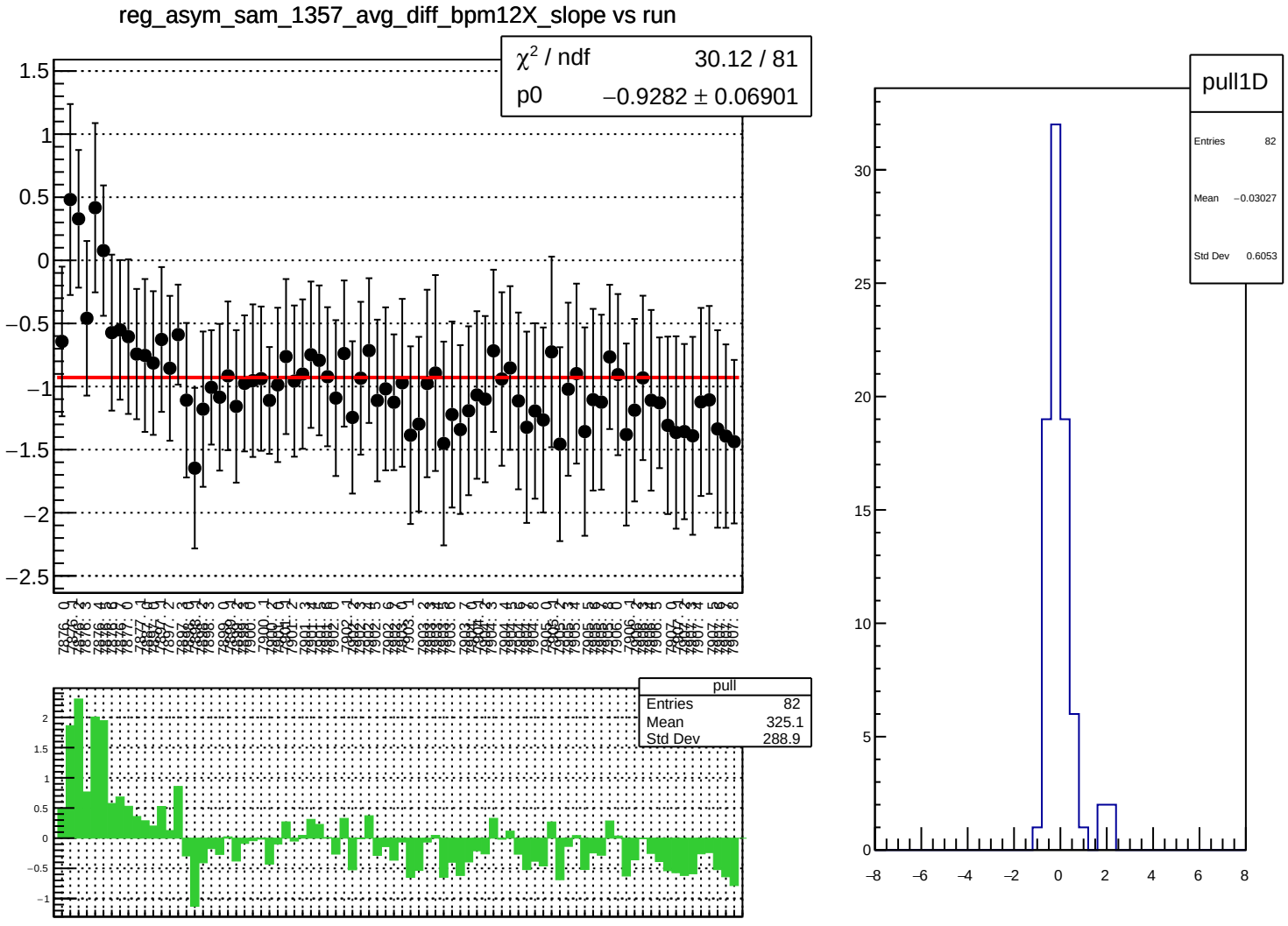

pull1D
Entries 82
Mean 0.2763
Std Dev 0.7403

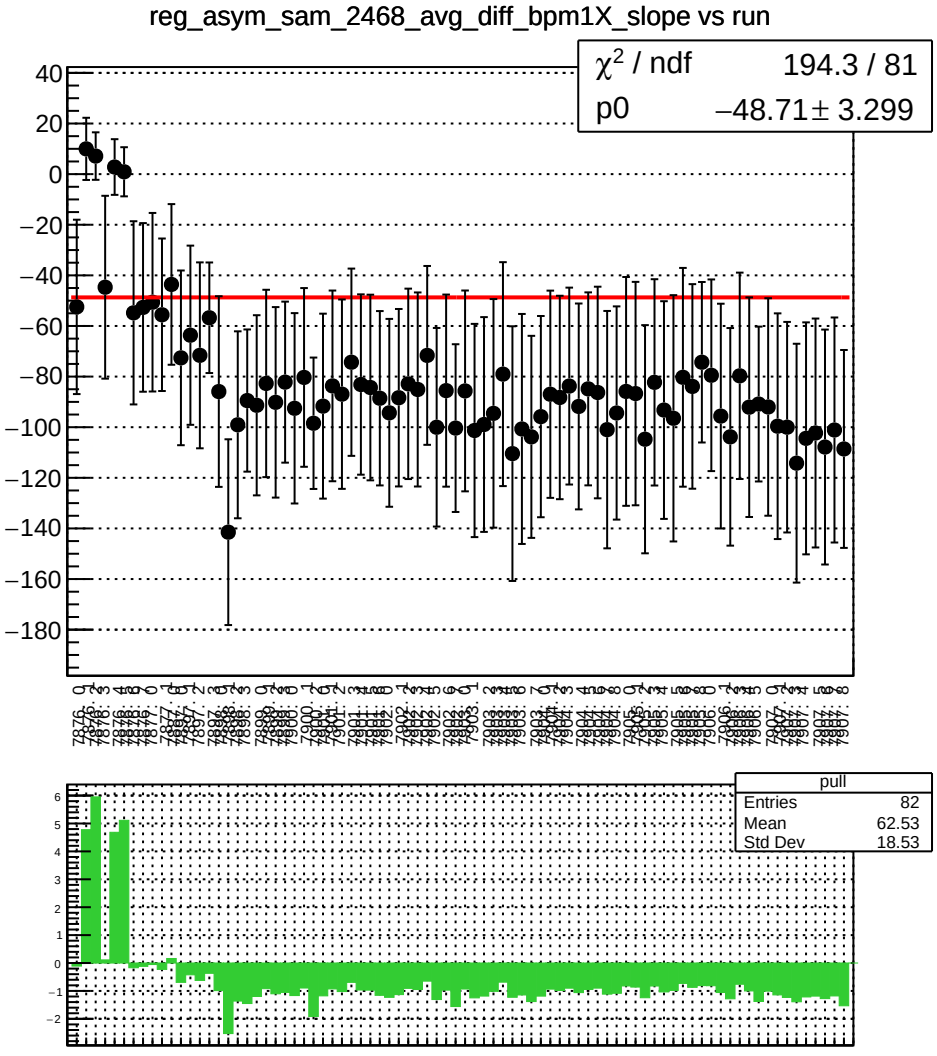

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 366.3 / 81
p0 −19.16 ± 1.261
pull
Entries 82
Mean 62.34
Std Dev 17.41

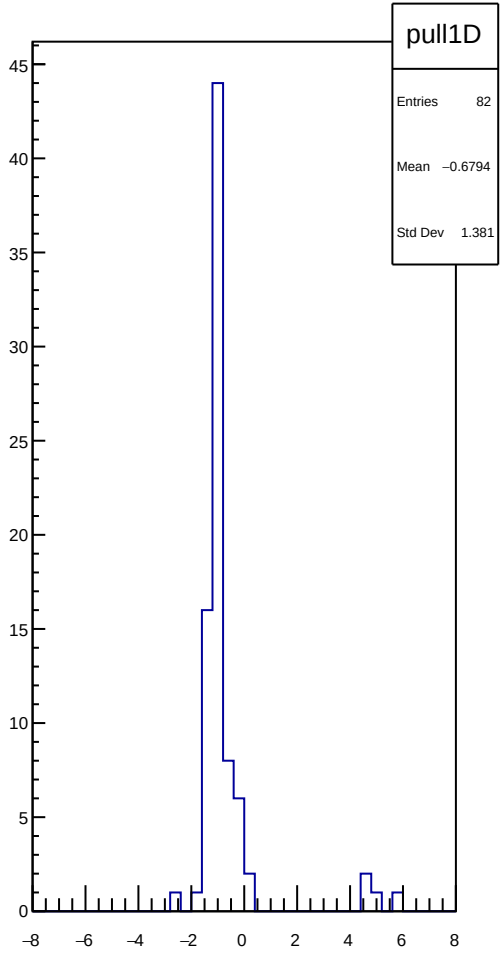

pull1D
Entries 82
Mean 0.985
Std Dev 1.87

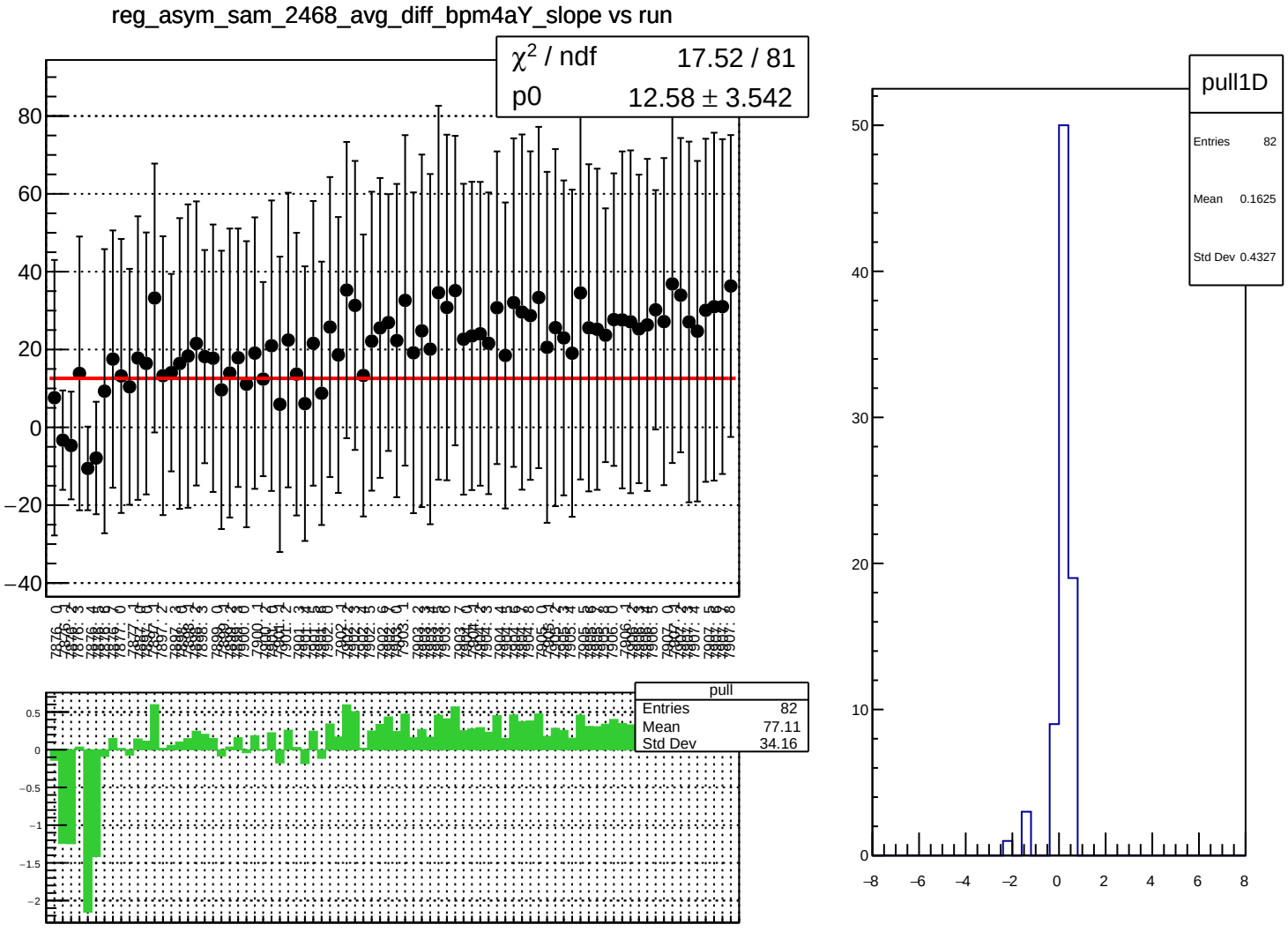

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.82 / 81
p0 12.65 ± 2.066
pull
Entries 82
Mean 88.25
Std Dev 49.08

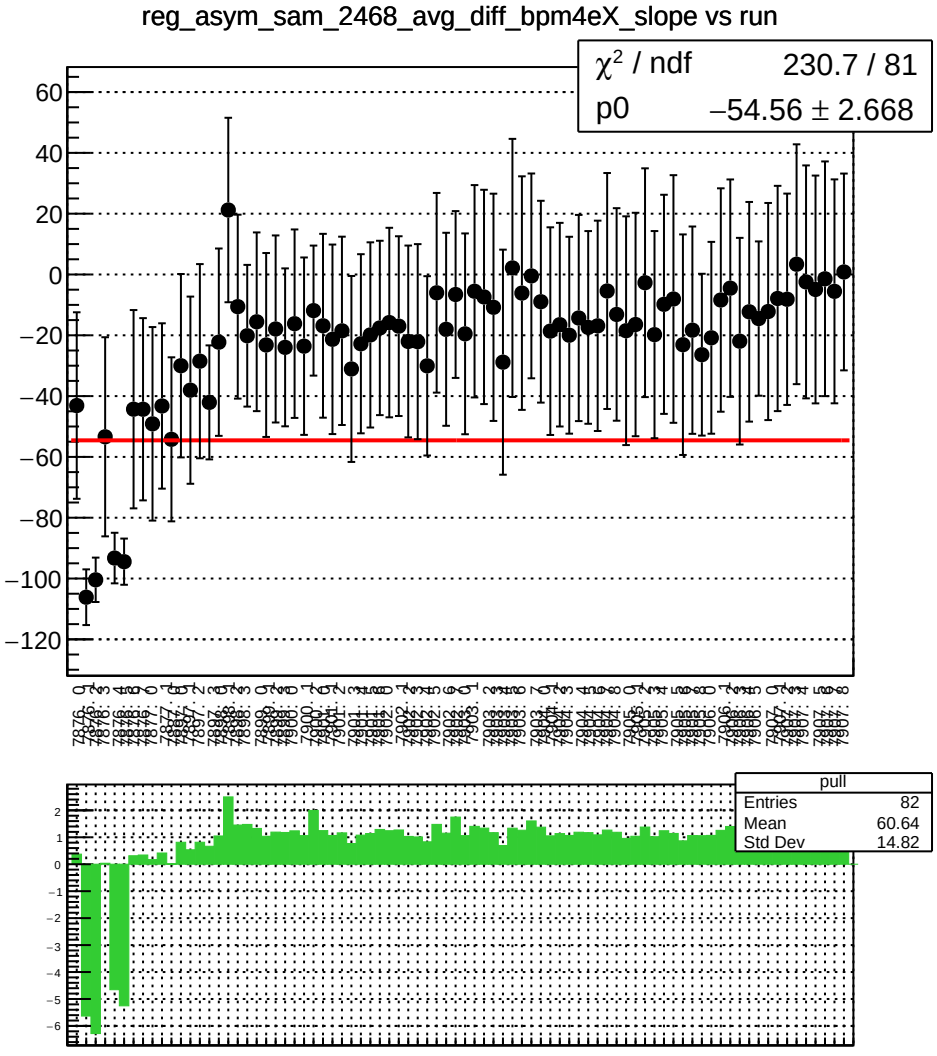

pull1D
Entries 82
Mean −0.162
Std Dev 0.6408

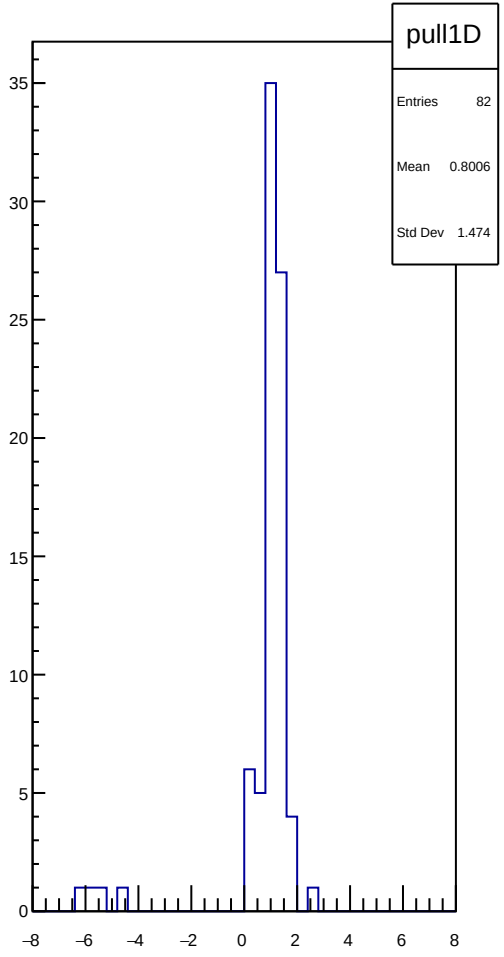

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 30.12 / 81
p0 −0.9282 ± 0.06901
pull
Entries 82
Mean 325.1
Std Dev 288.9
pull1D
Entries 82
Mean −0.03027
Std Dev 0.6053

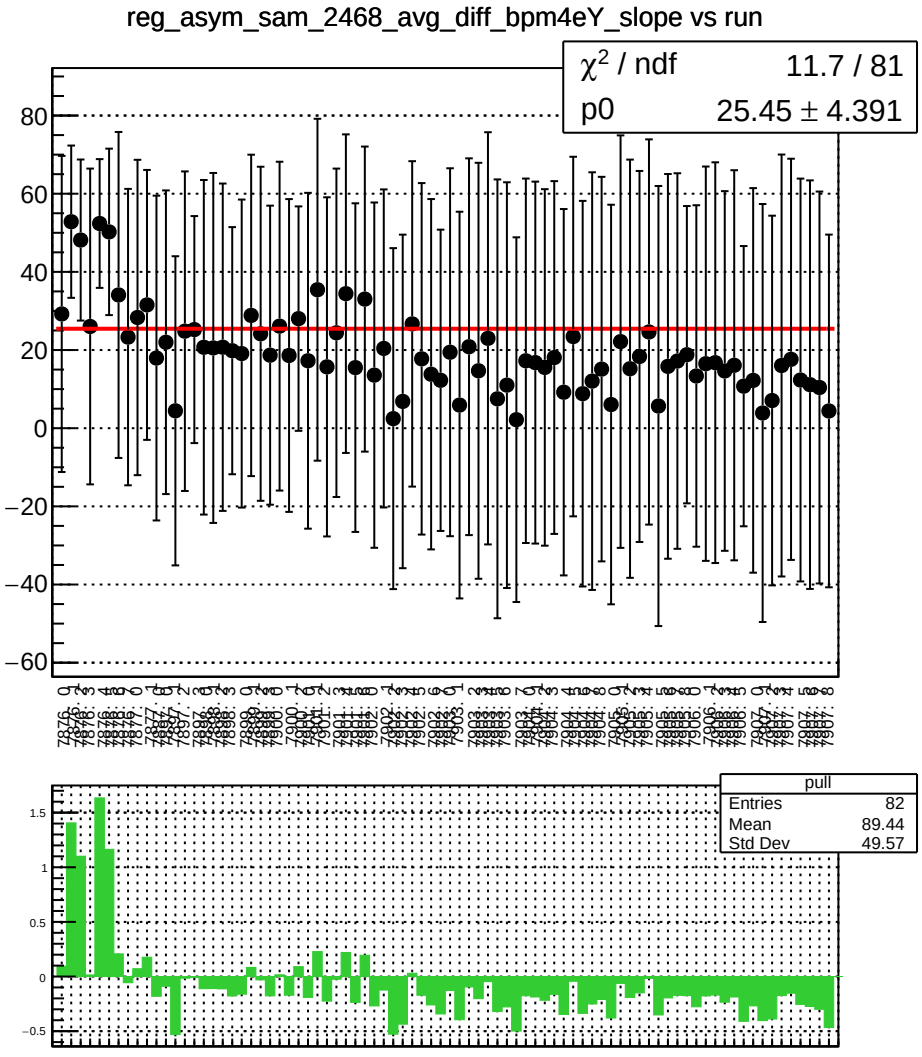

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 194.3 / 81
p0 −48.71 ± 3.299
pull
Entries 82
Mean 62.53
Std Dev 18.53

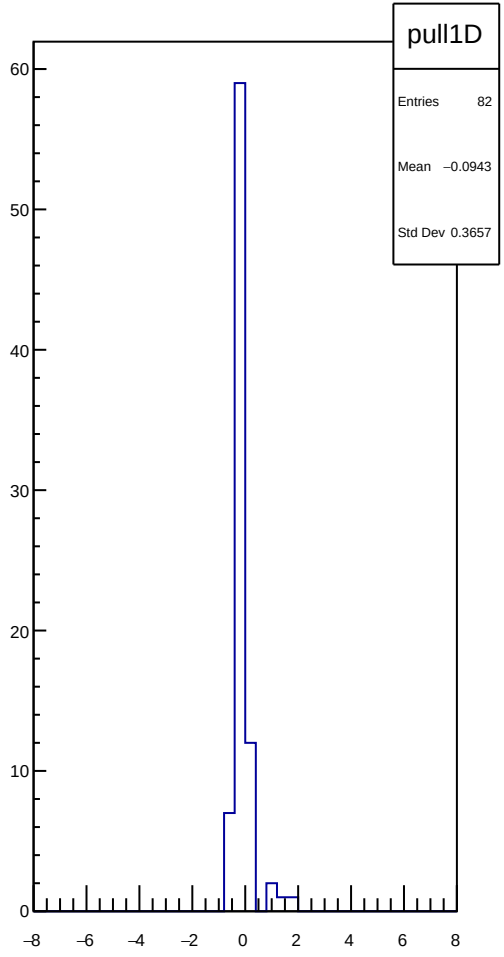

pull1D
Entries 82
Mean −0.6794
Std Dev 1.381

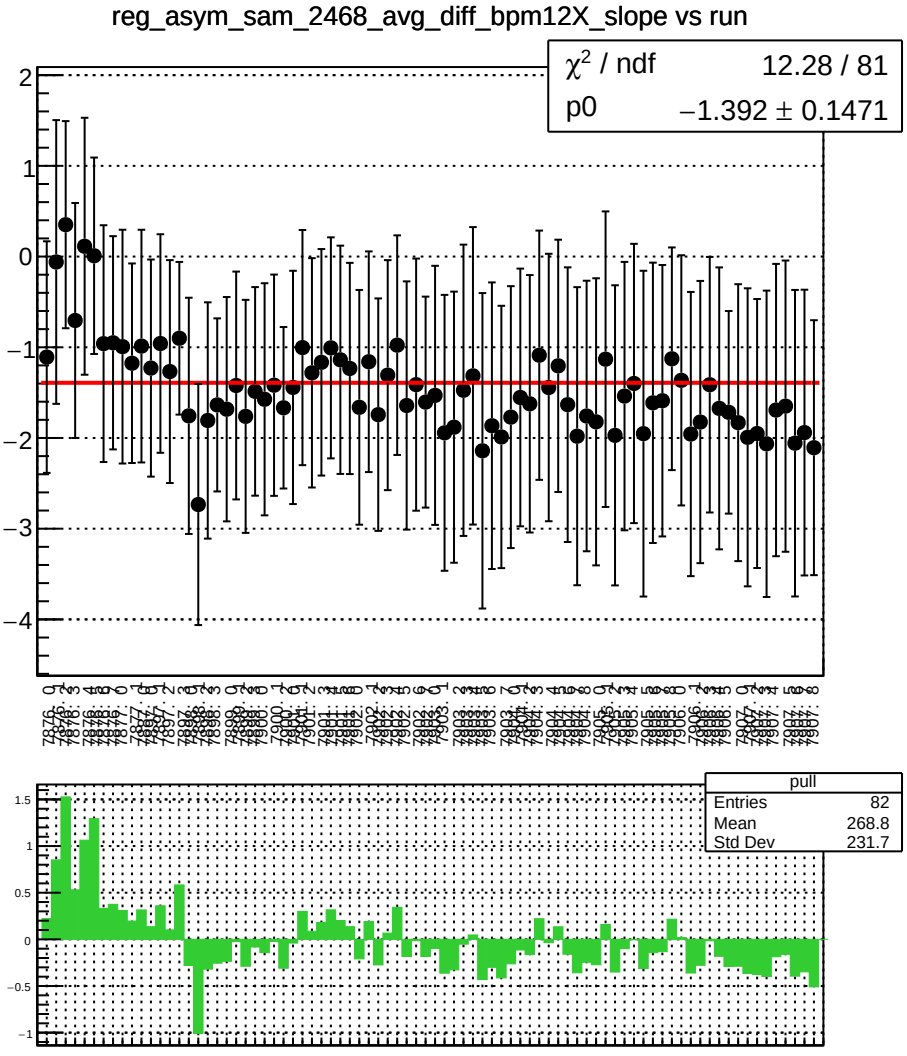

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.52 / 81
p0 12.58 ± 3.542
pull
Entries 82
Mean 77.11
Std Dev 34.16
pull1D
Entries 82
Mean 0.1625
Std Dev 0.4327

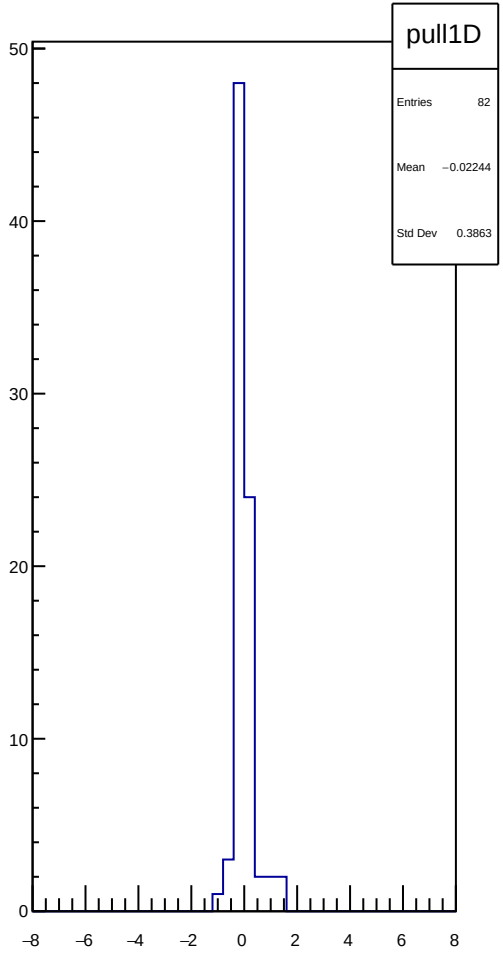

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 230.7 / 81
p0 −54.56 ± 2.668
pull
Entries 82
Mean 60.64
Std Dev 14.82


pull1D
Entries 82
Mean 0.8006
Std Dev 1.474

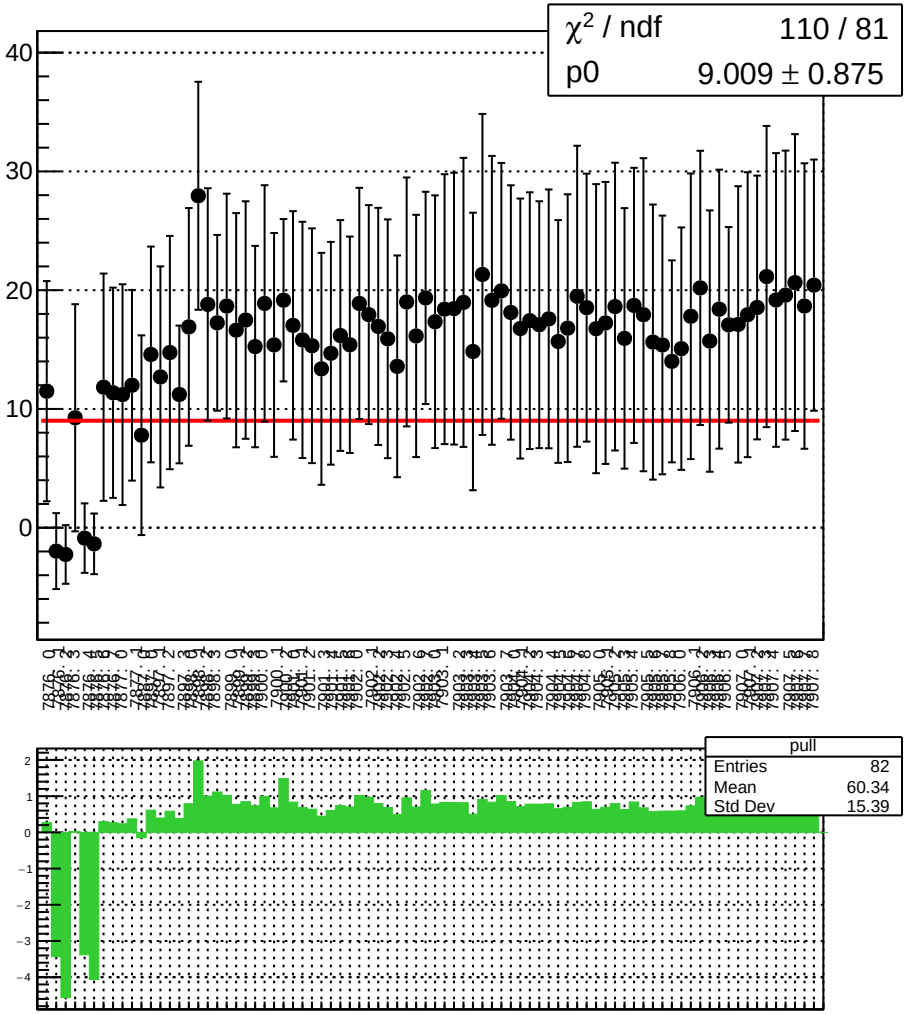

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.7 / 81
p0 25.45 ± 4.391
pull
Entries 82
Mean 89.44
Std Dev 49.57

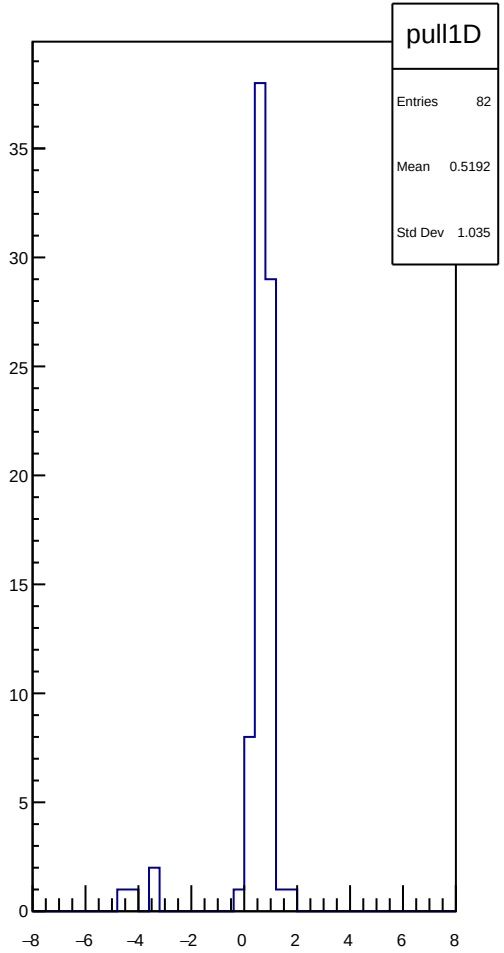

pull1D
Entries 82
Mean −0.0943
Std Dev 0.3657


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 12.28 / 81
p0 −1.392 ± 0.1471
pull
Entries 82
Mean 268.8
Std Dev 231.7

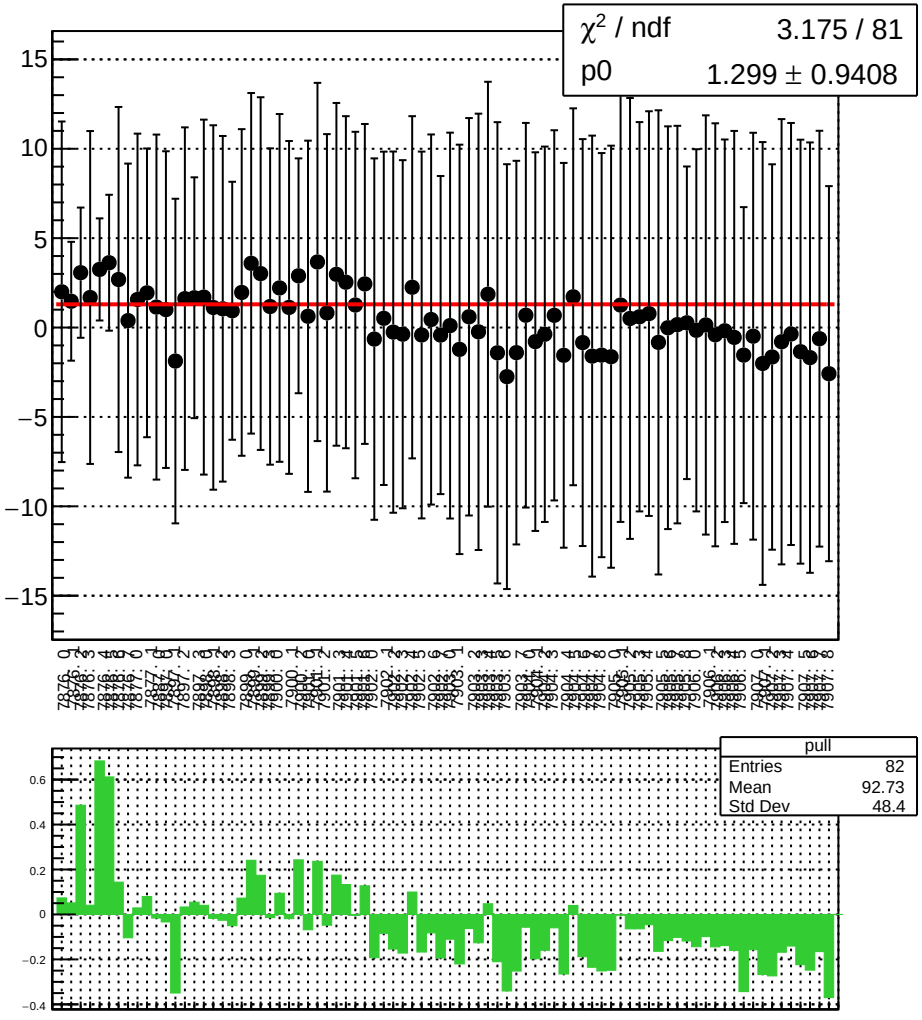

pull1D
Entries 82
Mean −0.02244
Std Dev 0.3863

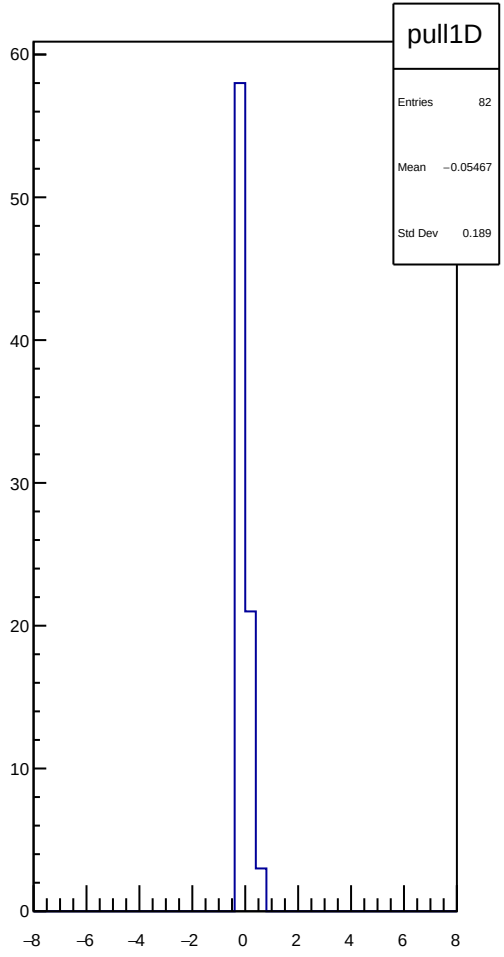
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

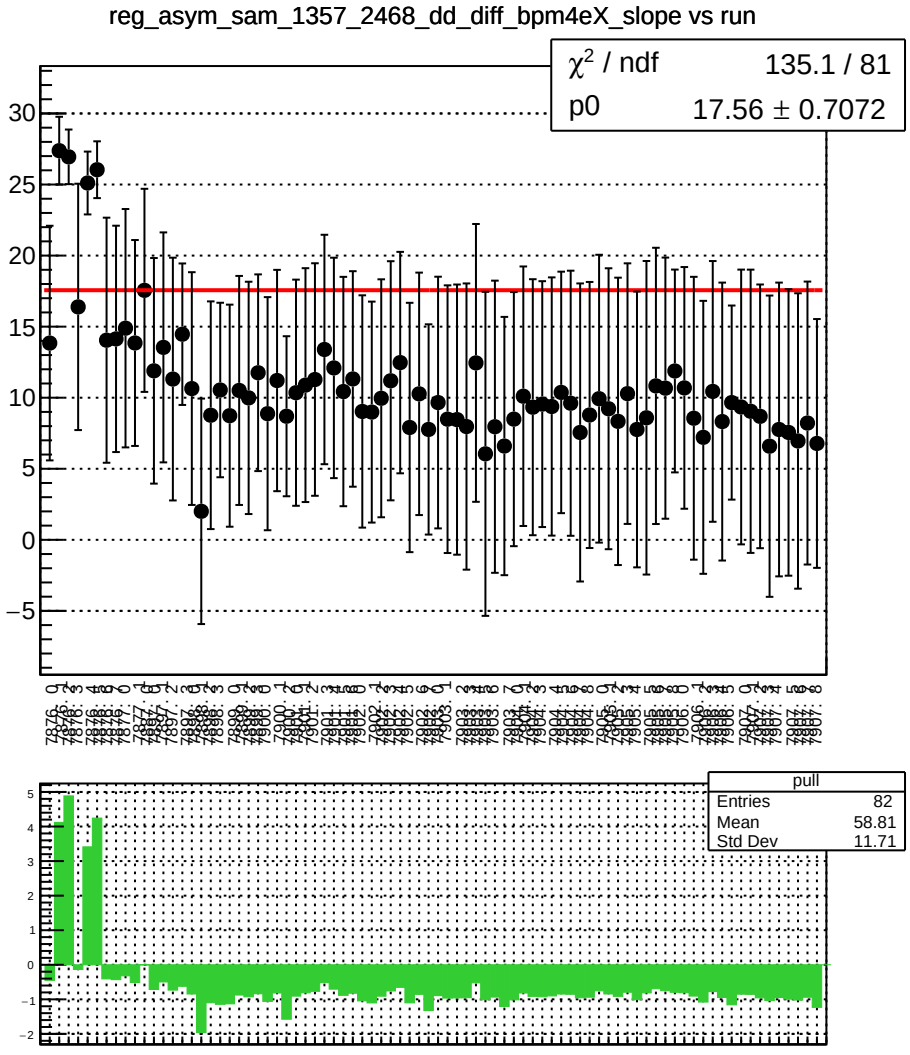


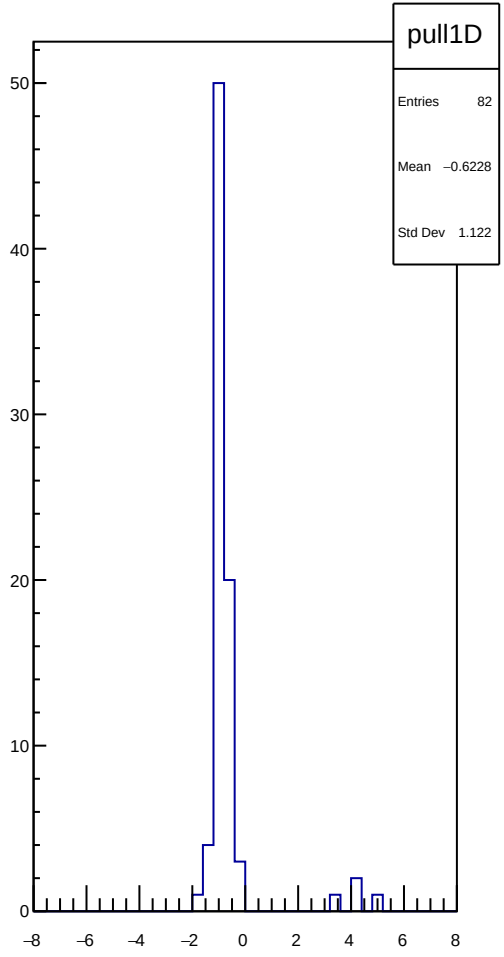


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

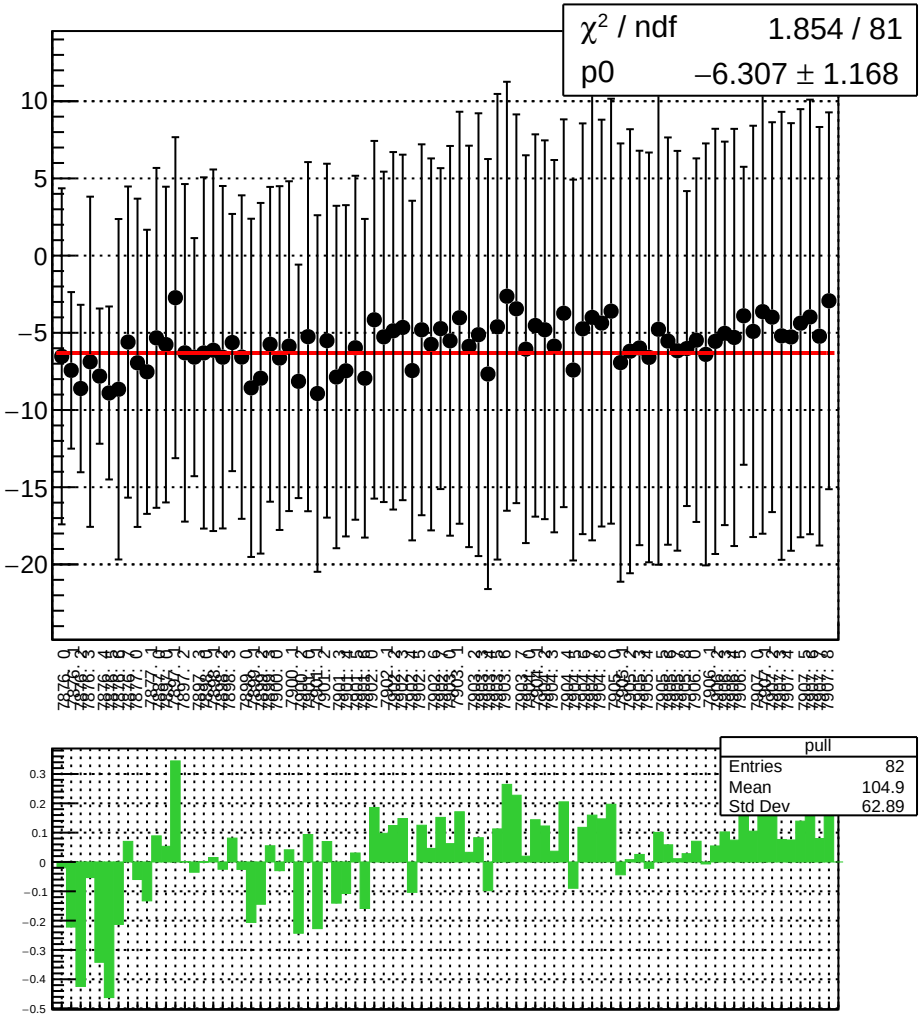


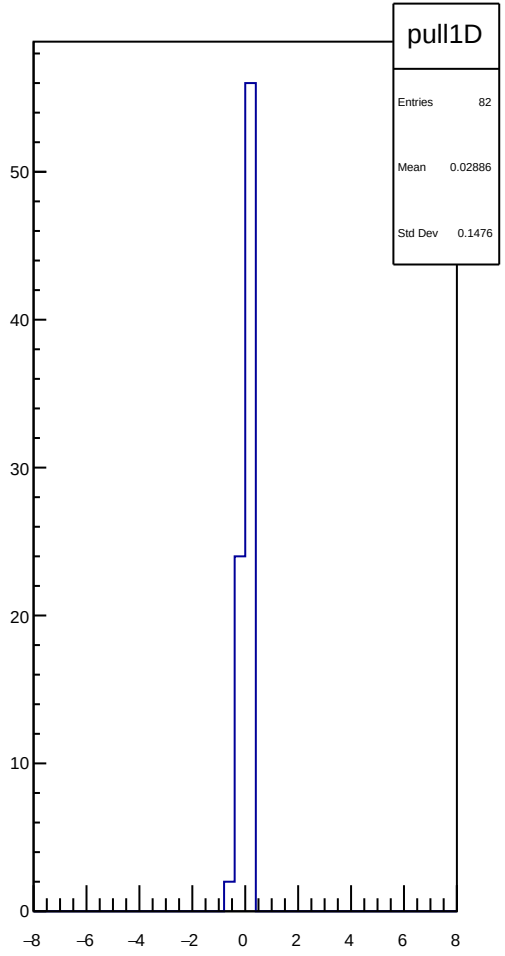


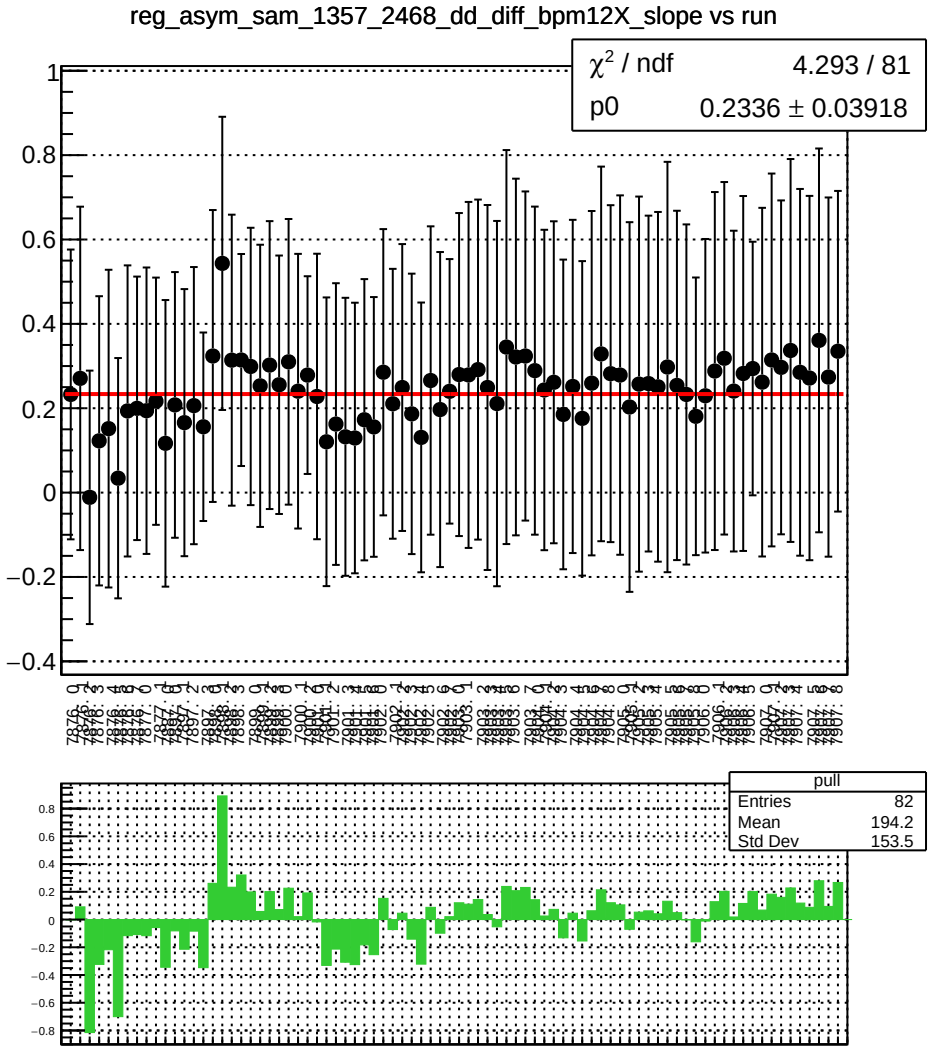

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 135.1 / 81
p0 17.56 ± 0.7072
pull
Entries 82
Mean 58.81
Std Dev 11.71

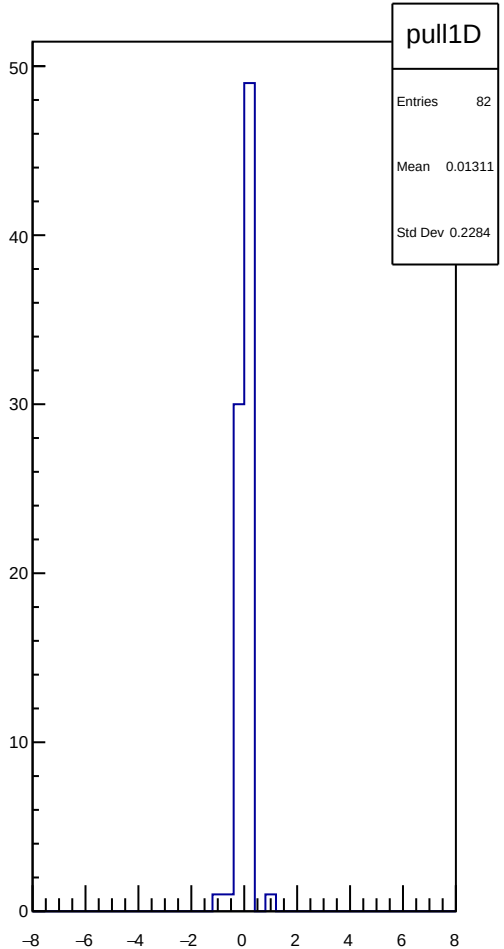

pull1D
Entries 82
Mean −0.6228
Std Dev 1.122

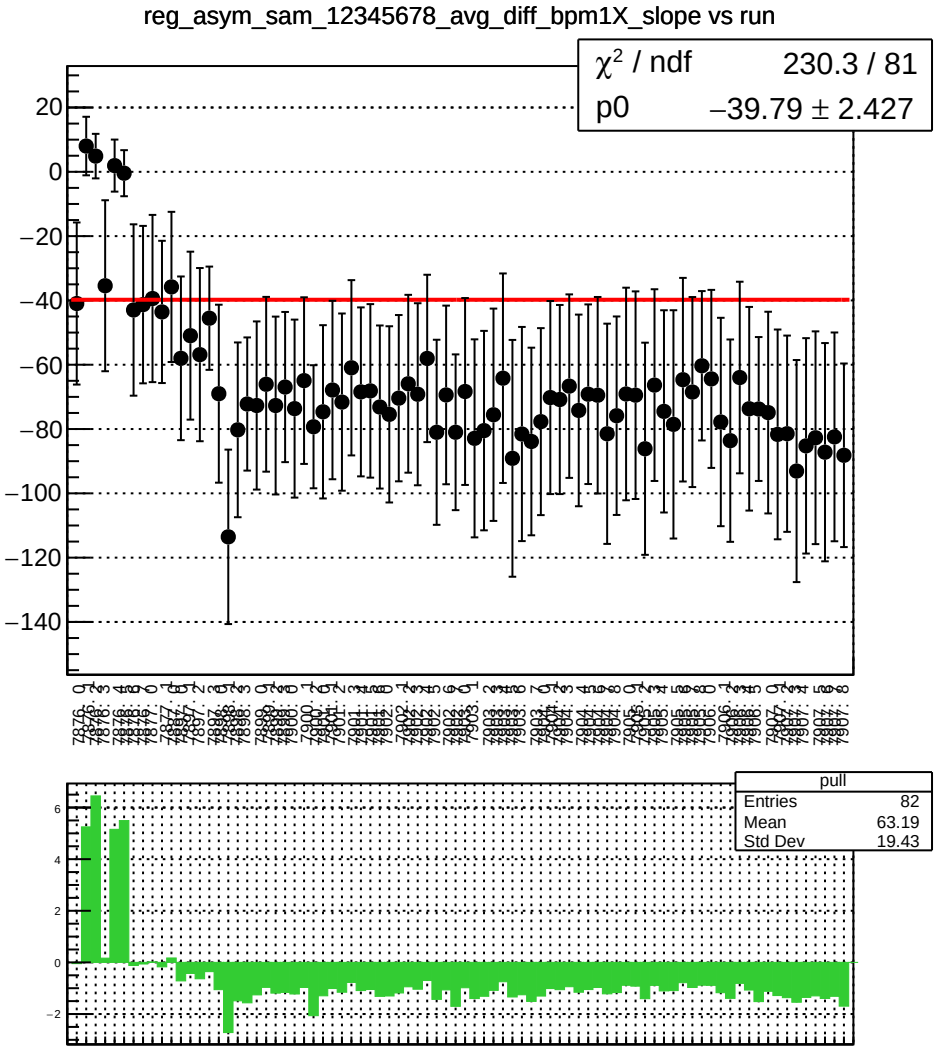
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

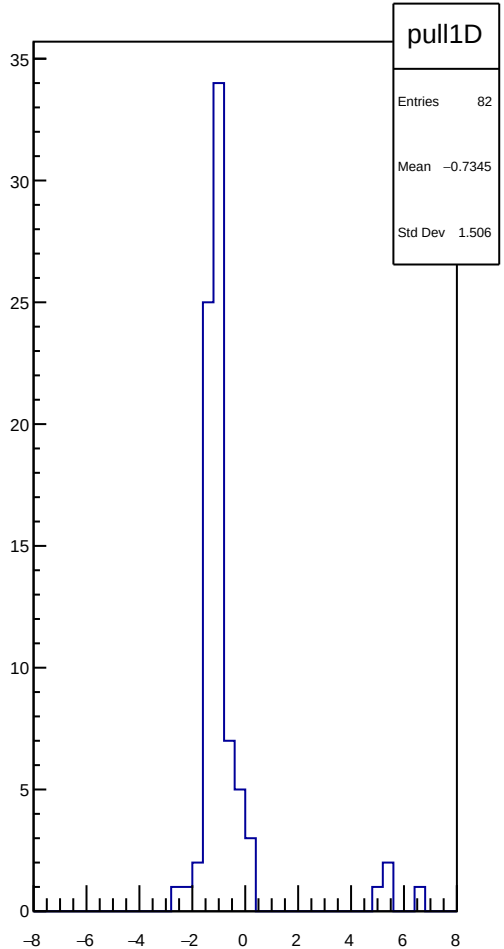




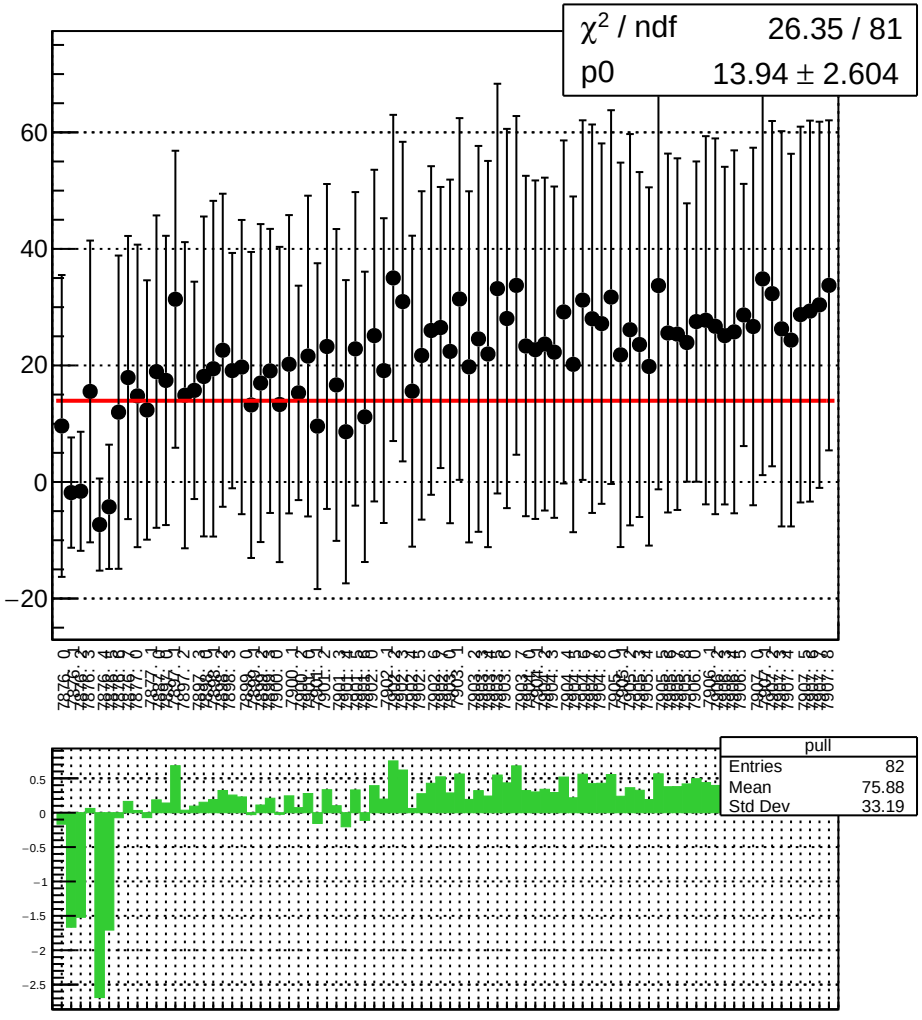

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.293 / 81
p0 0.2336 ± 0.03918
pull
Entries 82
Mean 194.2
Std Dev 153.5

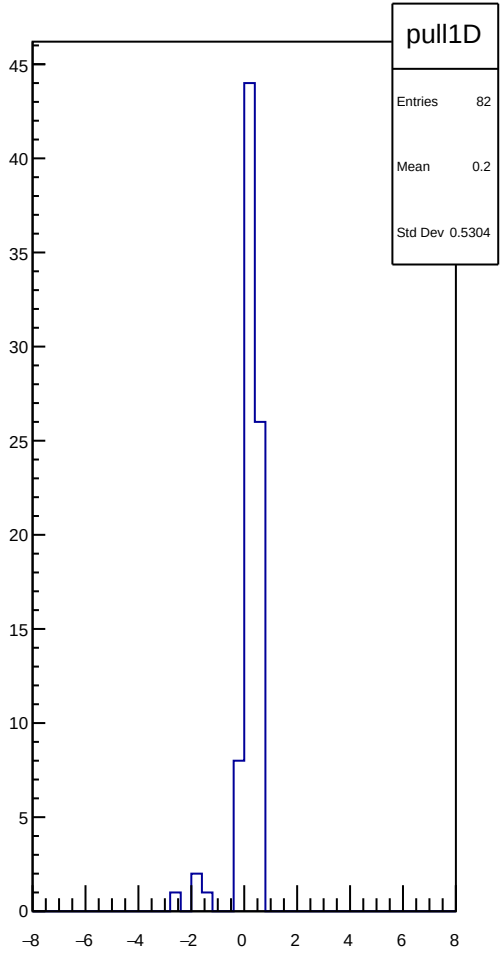

pull1D
Entries 82
Mean 0.01311
Std Dev 0.2284


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 230.3 / 81
p0 −39.79 ± 2.427
pull
Entries 82
Mean 63.19
Std Dev 19.43

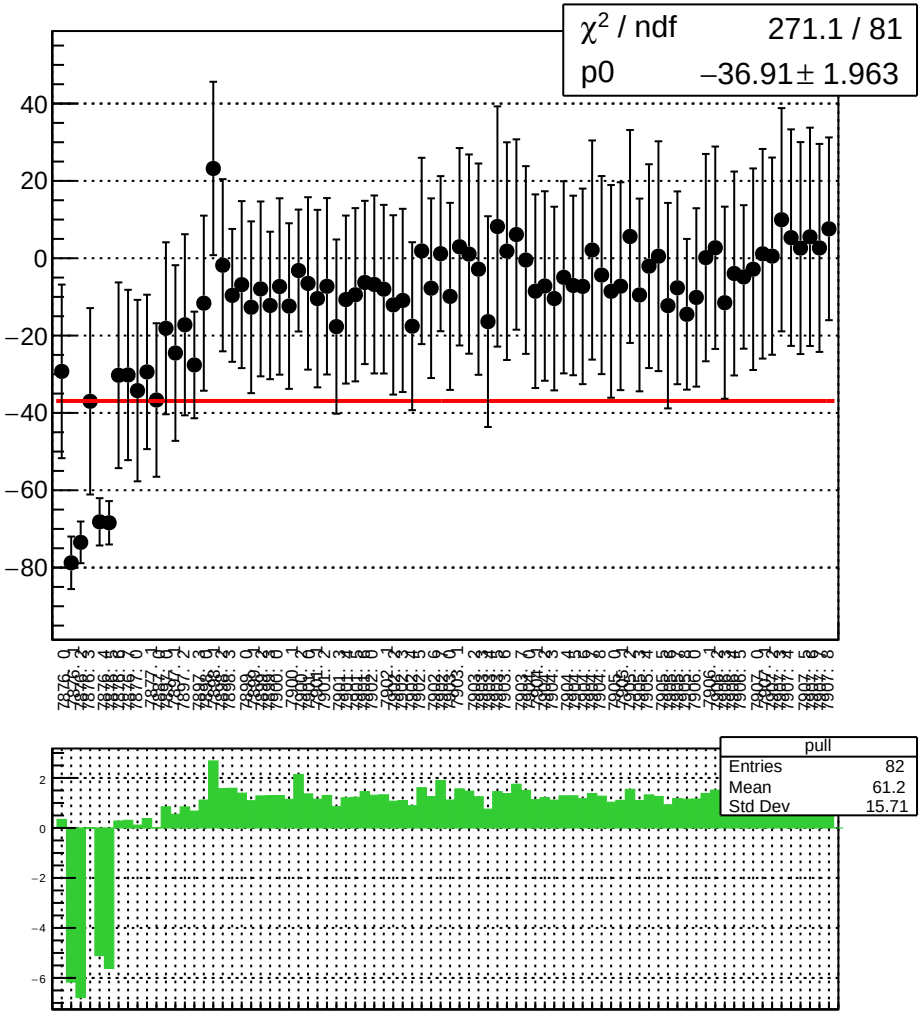

pull1D
Entries 82
Mean −0.7345
Std Dev 1.506

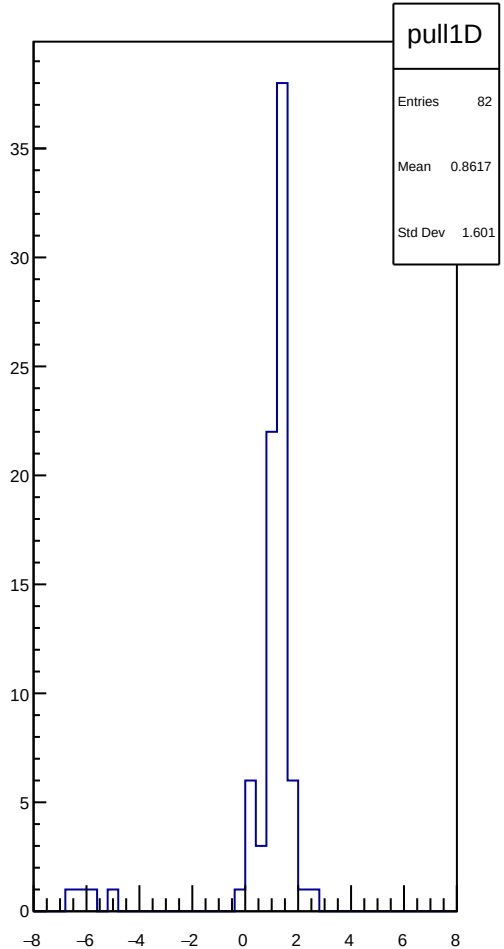
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

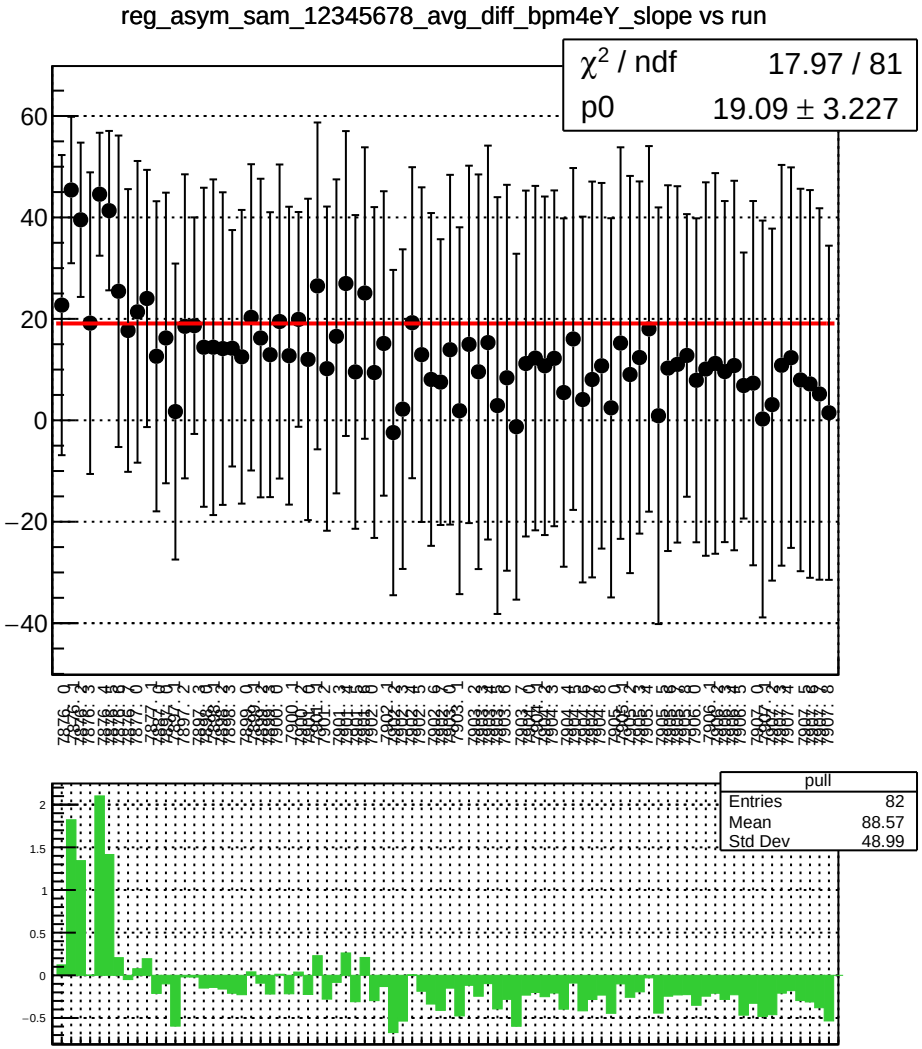


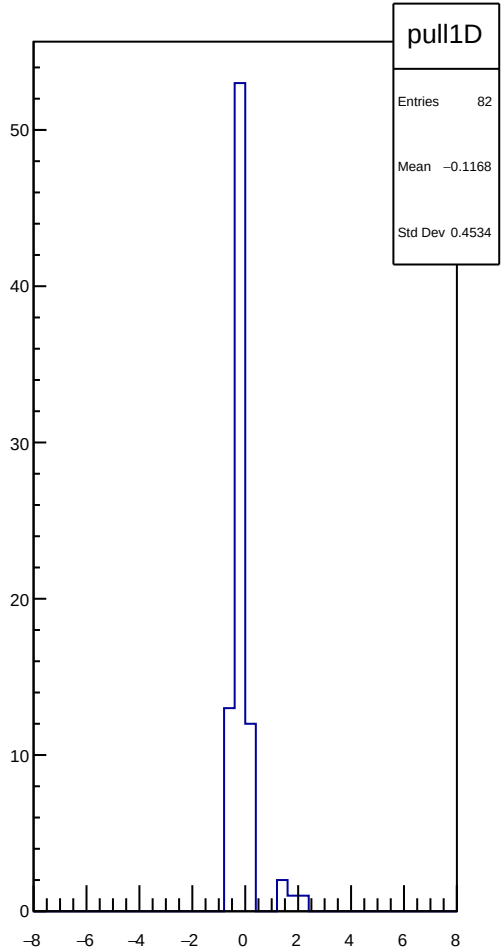


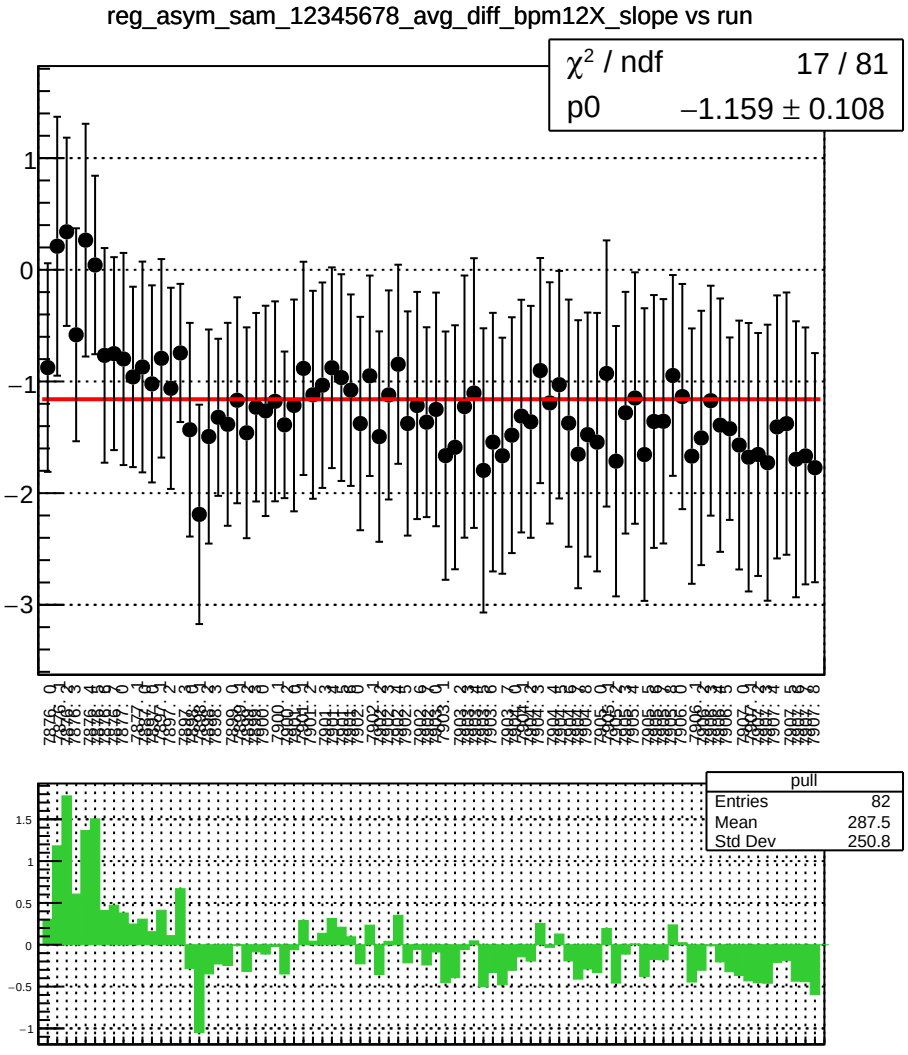
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

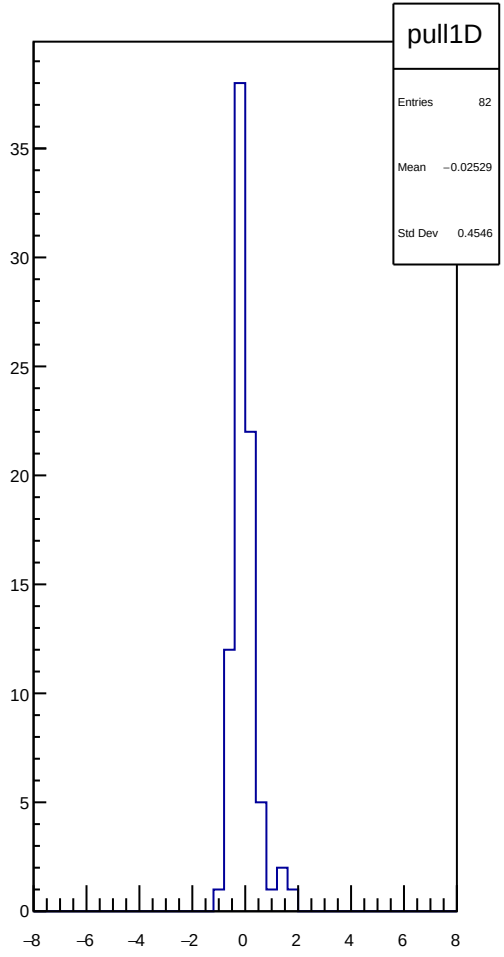


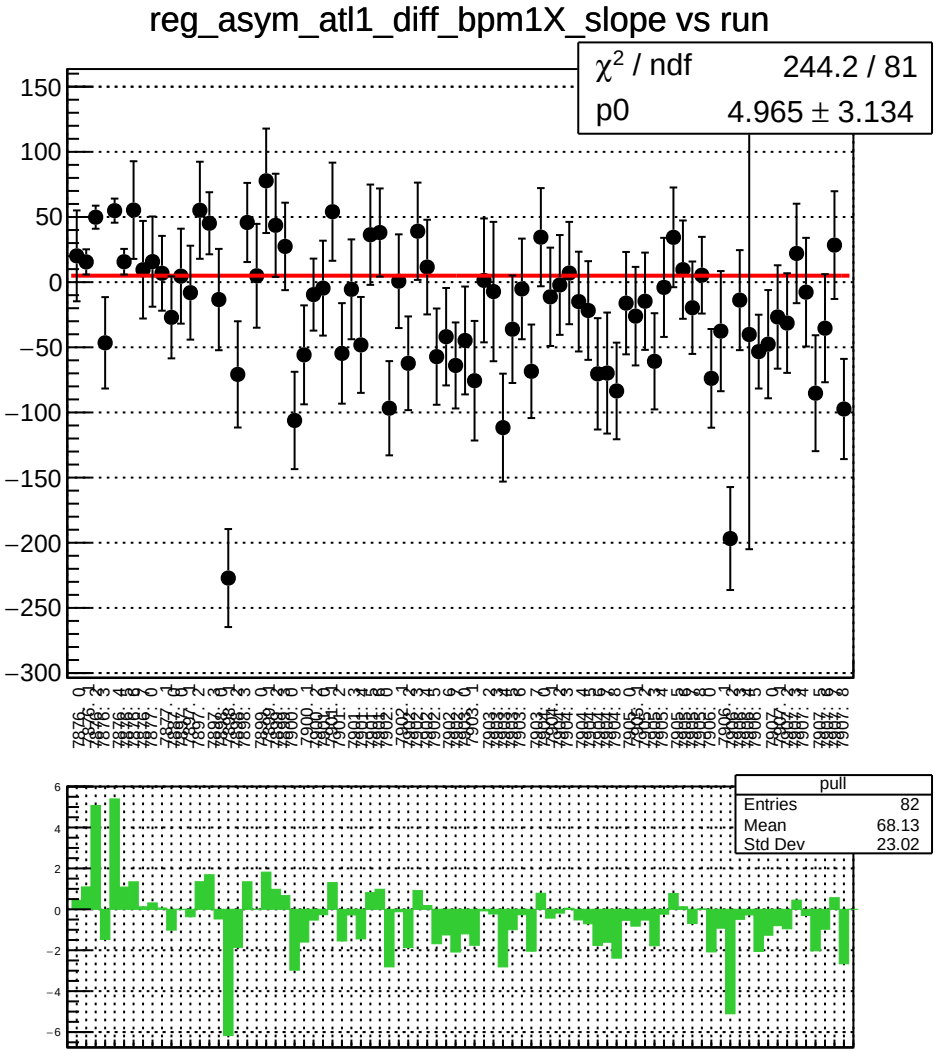


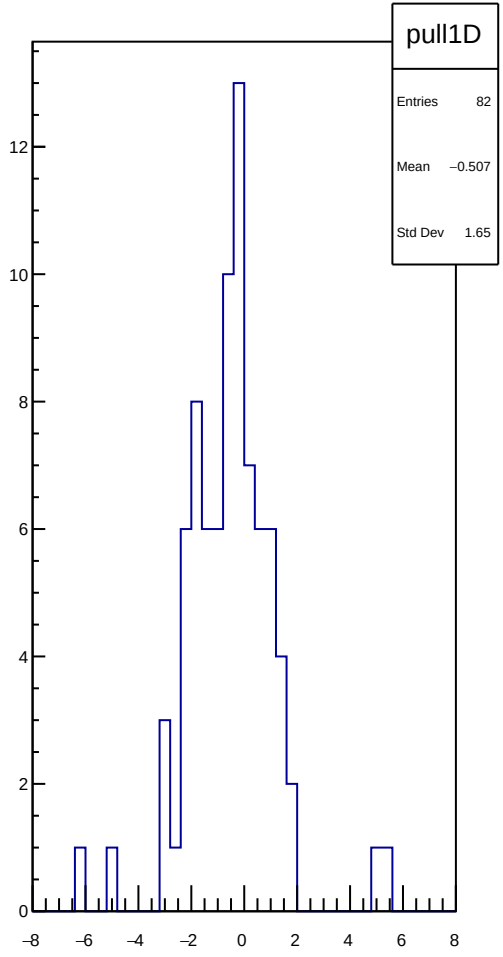

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.97 / 81
p0 19.09 ± 3.227
pull
Entries 82
Mean 88.57
Std Dev 48.99

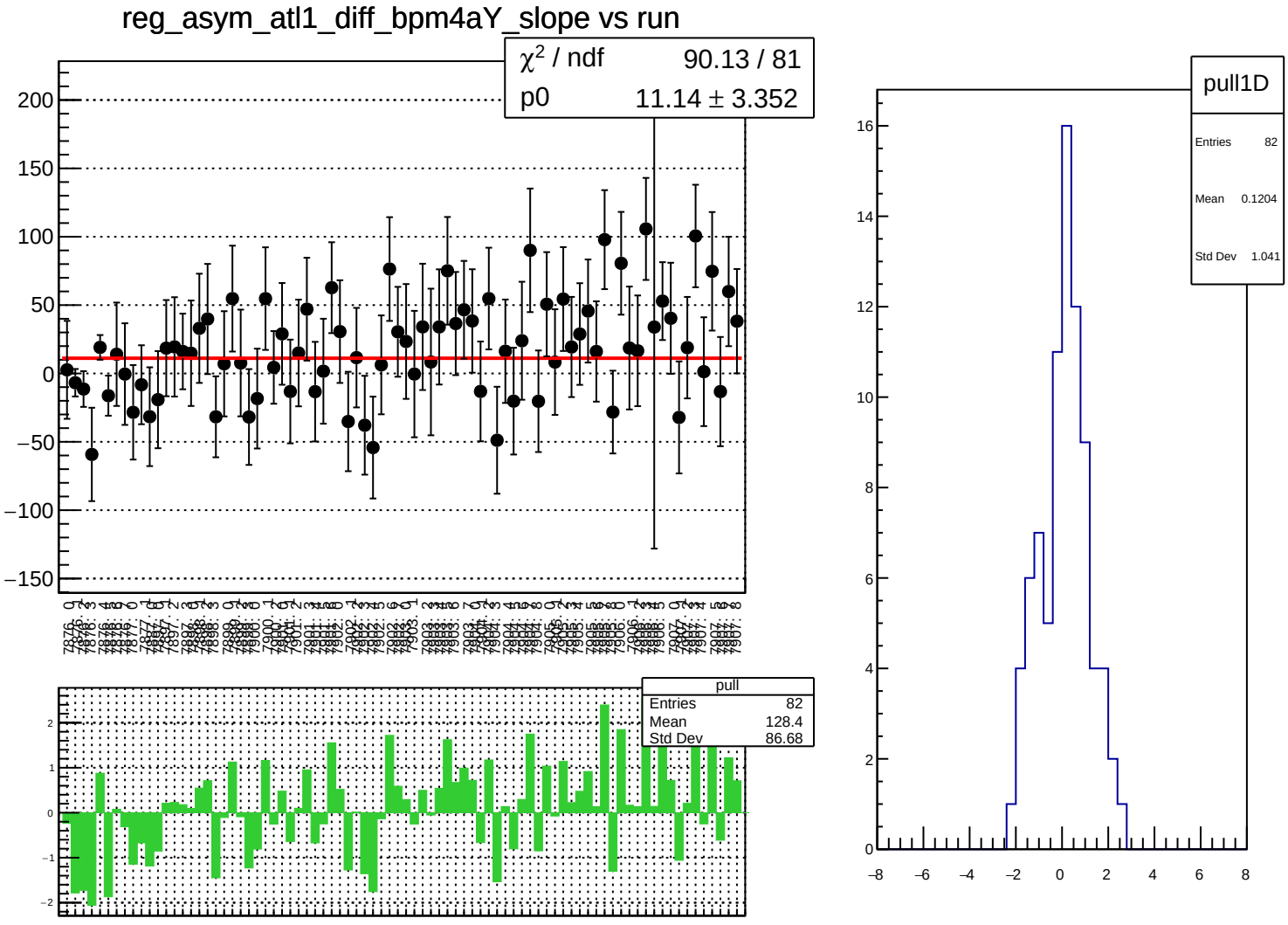

pull1D
Entries 82
Mean −0.1168
Std Dev 0.4534

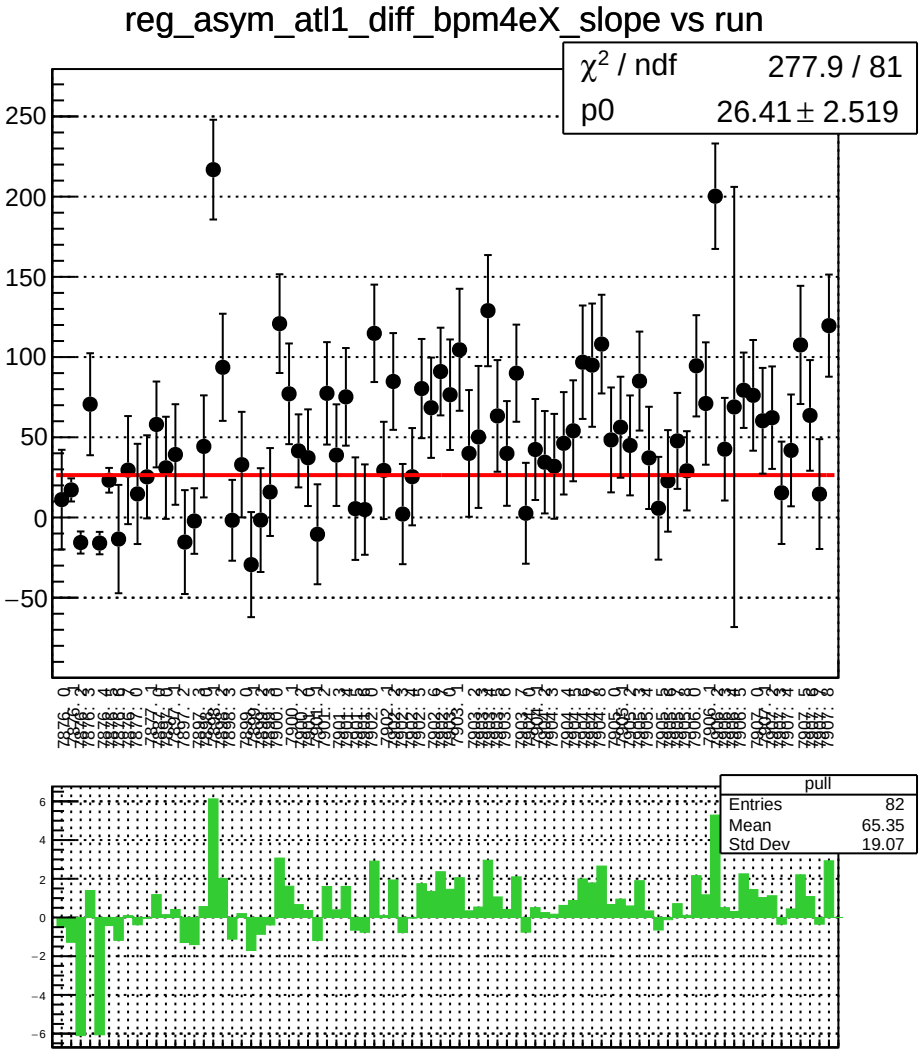

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 17 / 81
p0 −1.159 ± 0.108
pull
Entries 82
Mean 287.5
Std Dev 250.8

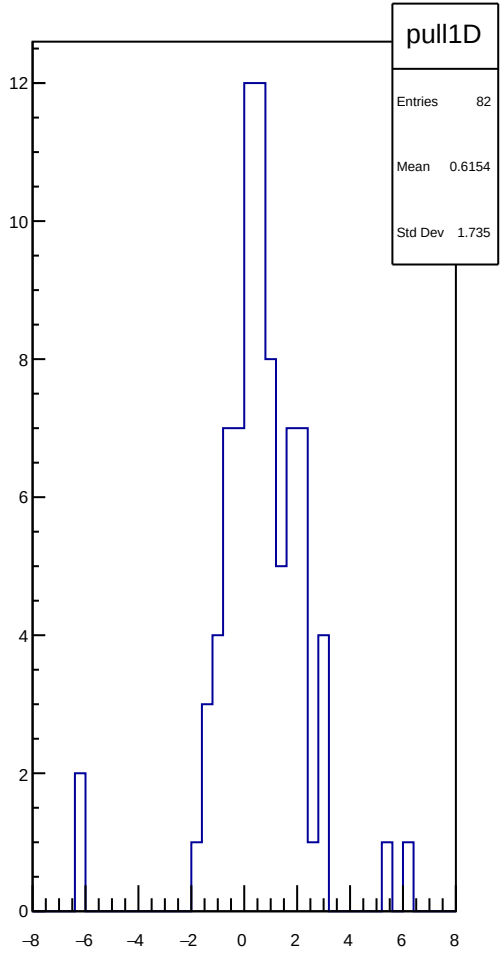

pull1D
Entries 82
Mean −0.02529
Std Dev 0.4546

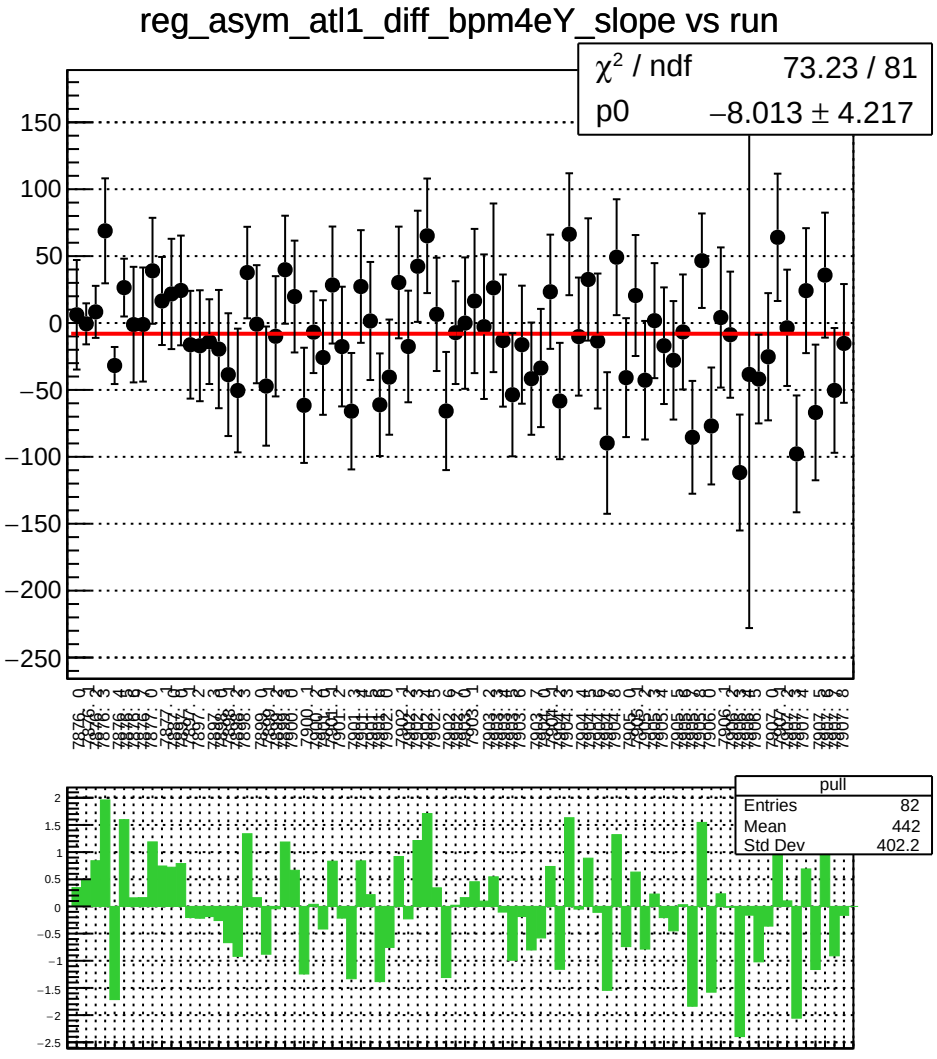

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 244.2 / 81
p0 4.965 ± 3.134
pull
Entries 82
Mean 68.13
Std Dev 23.02

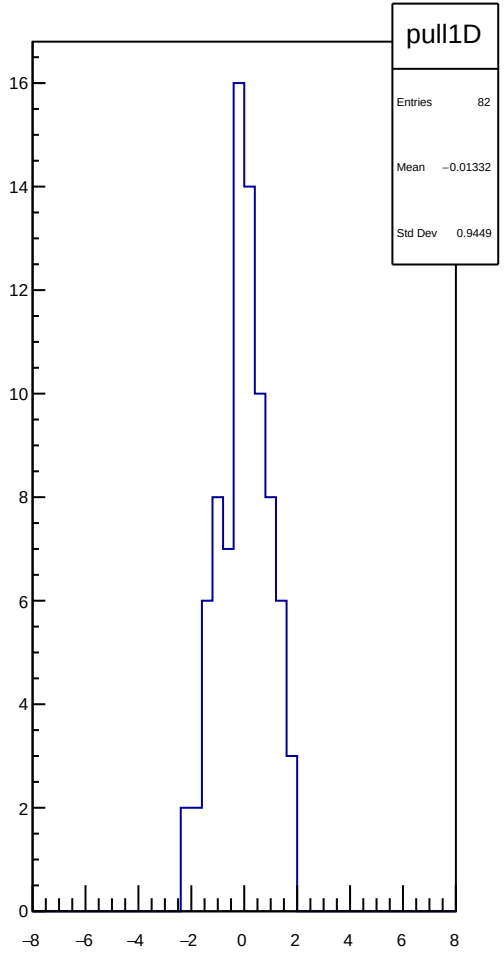

pull1D
Entries 82
Mean −0.507
Std Dev 1.65

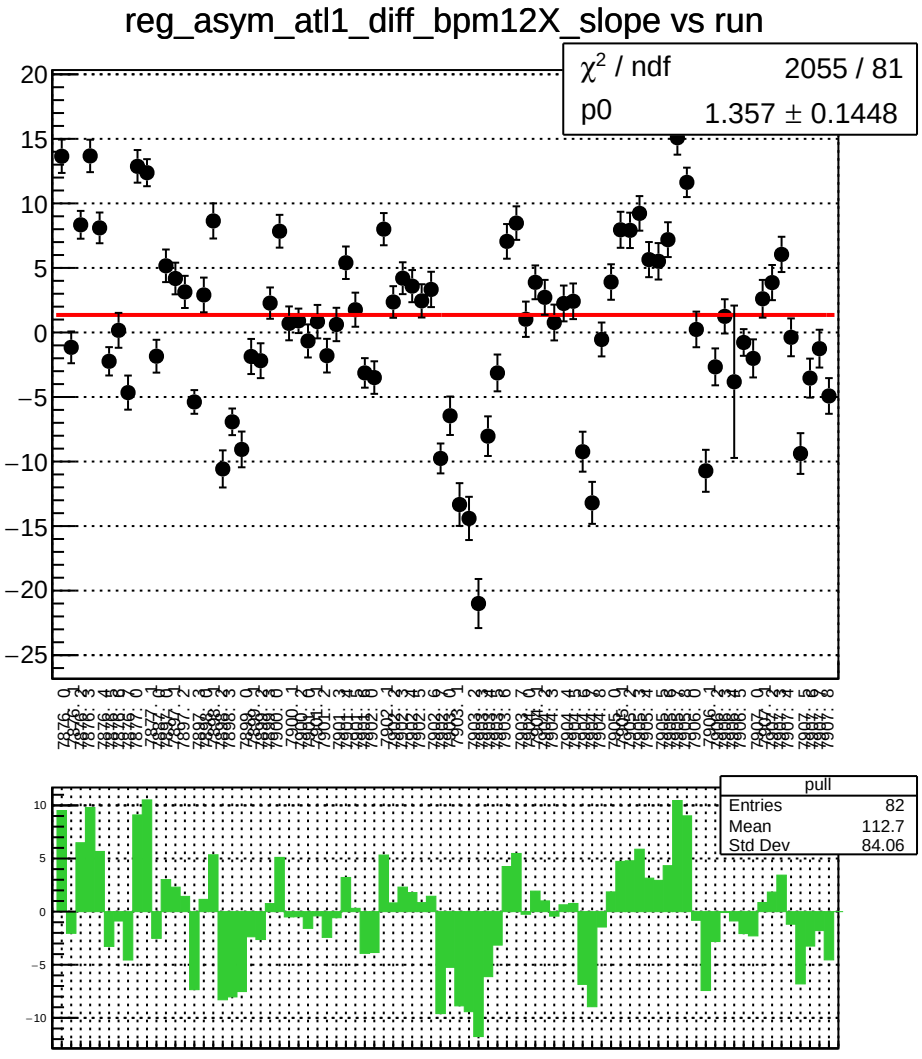

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 90.13 / 81
p0 11.14 ± 3.352
pull
Entries 82
Mean 128.4
Std Dev 86.68
pull1D
Entries 82
Mean 0.1204
Std Dev 1.041

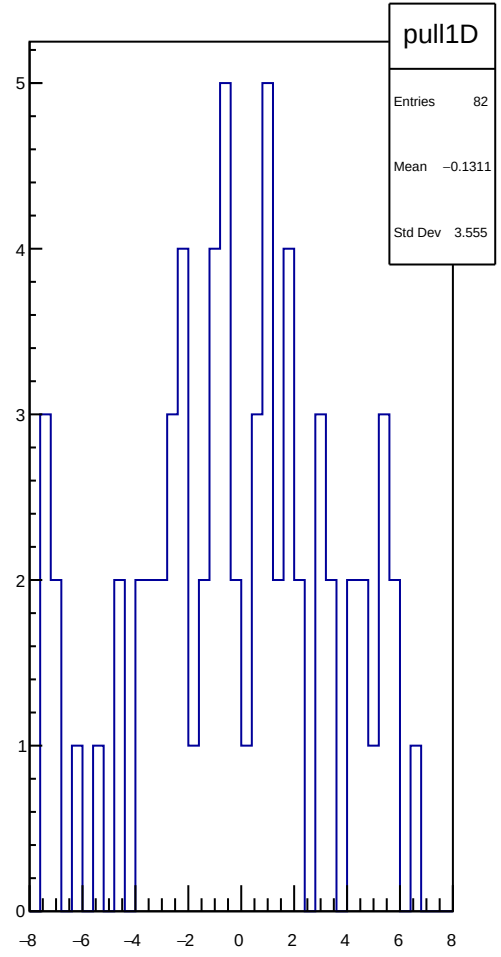

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 277.9 / 81
p0 26.41 ± 2.519
pull
Entries 82
Mean 65.35
Std Dev 19.07

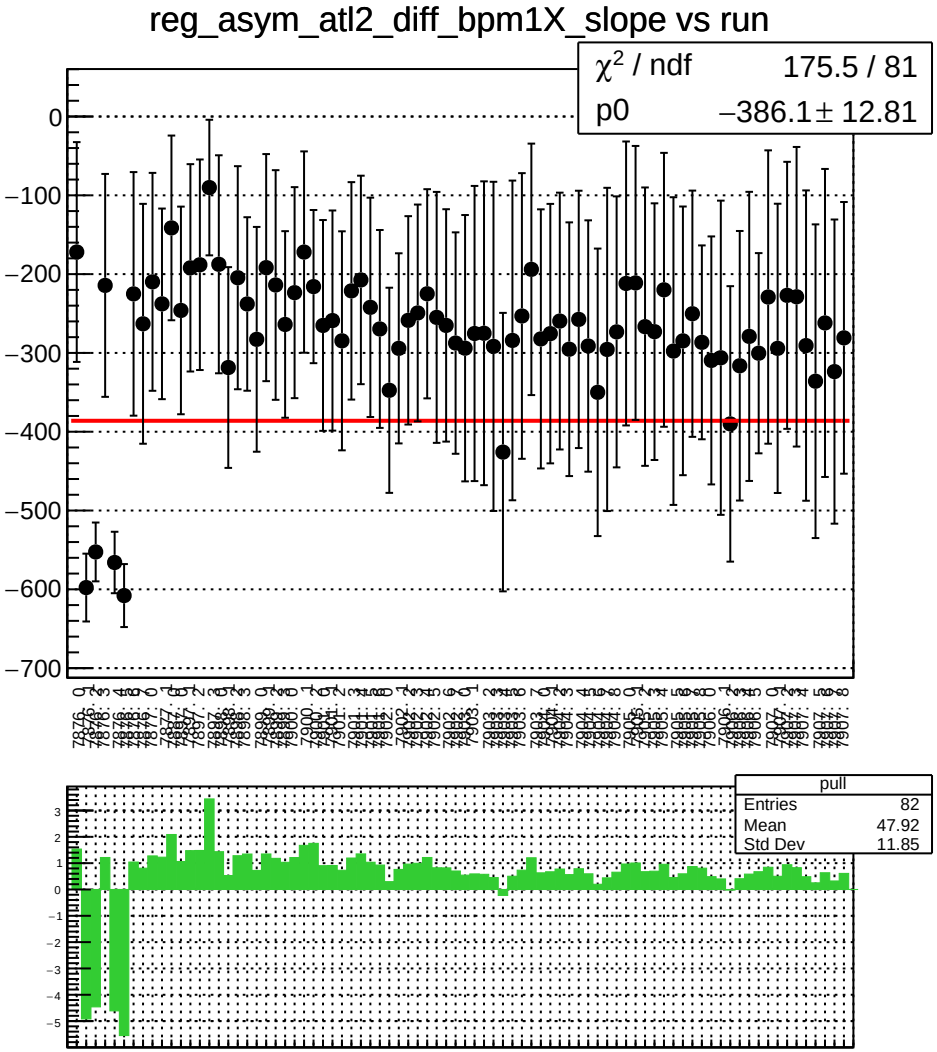

pull1D
Entries 82
Mean 0.6154
Std Dev 1.735

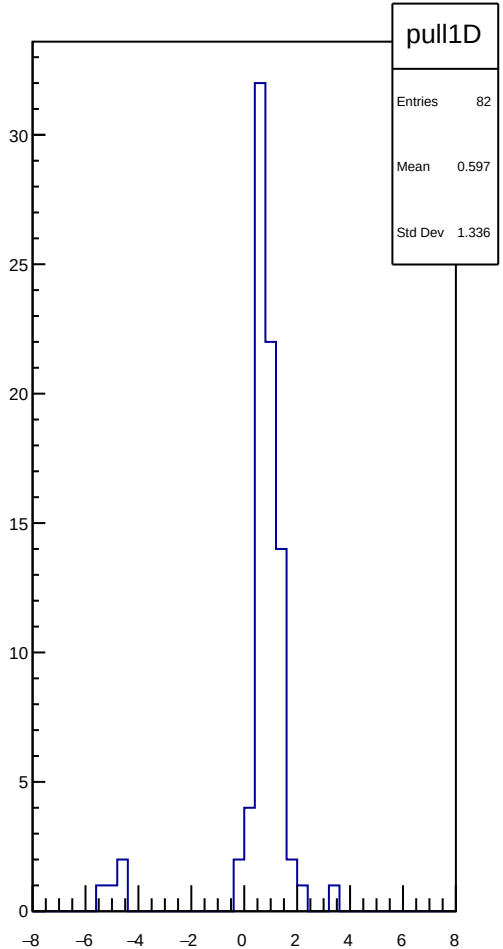

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 73.23 / 81
p0 −8.013 ± 4.217
pull
Entries 82
Mean 442
Std Dev 402.2

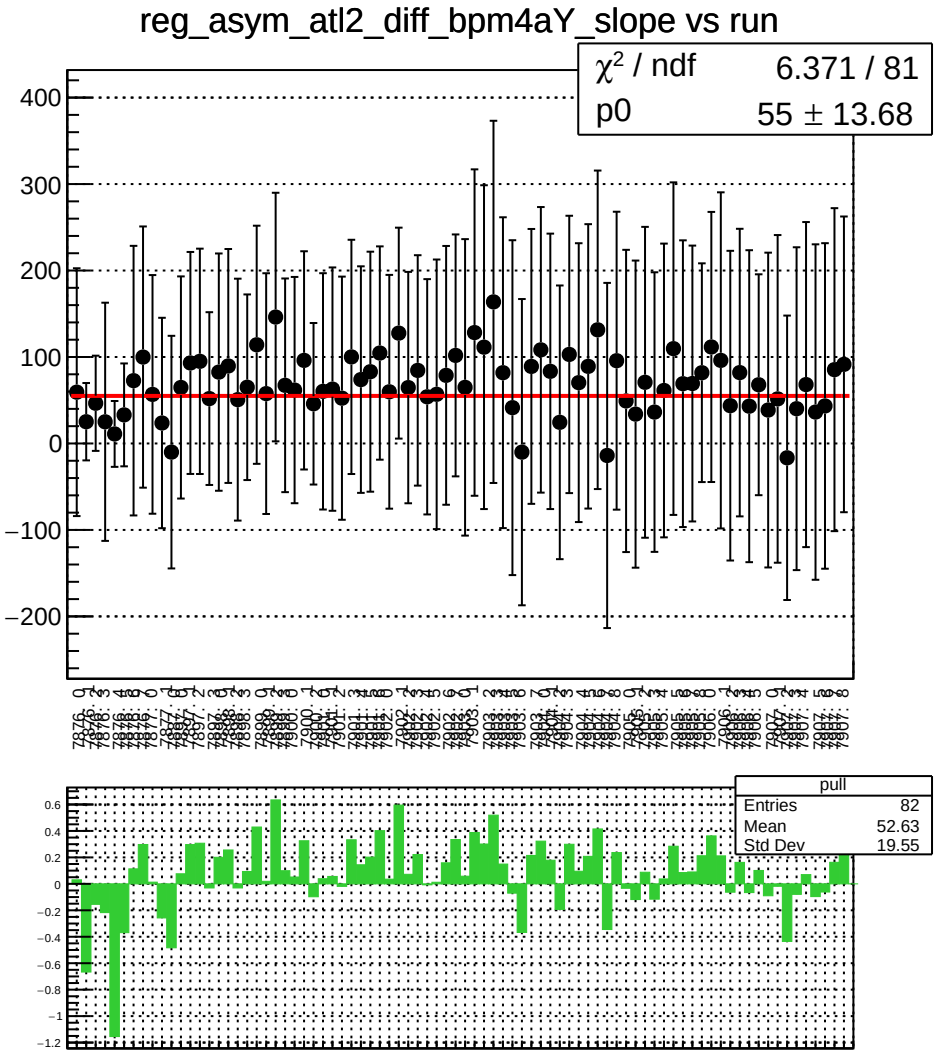

pull1D
Entries 82
Mean −0.01332
Std Dev 0.9449

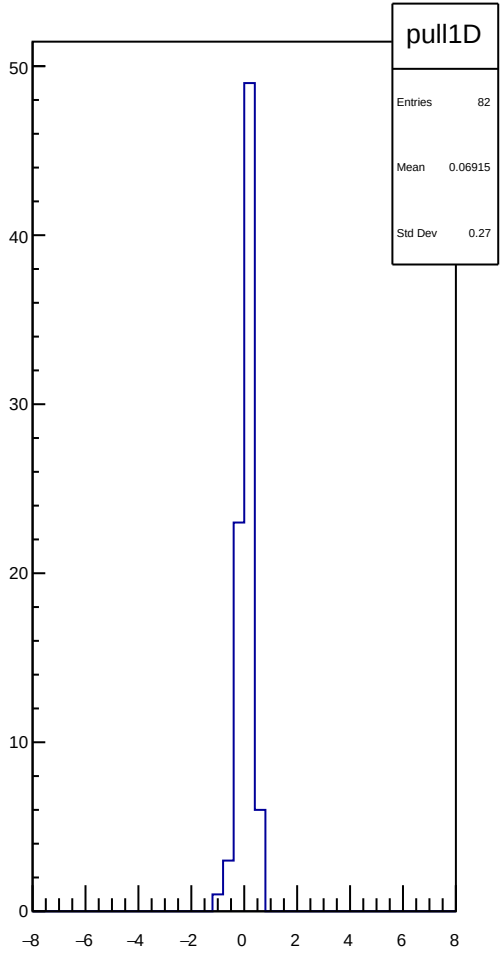

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 2055 / 81
p0 1.357 ± 0.1448
pull
Entries 82
Mean 112.7
Std Dev 84.06

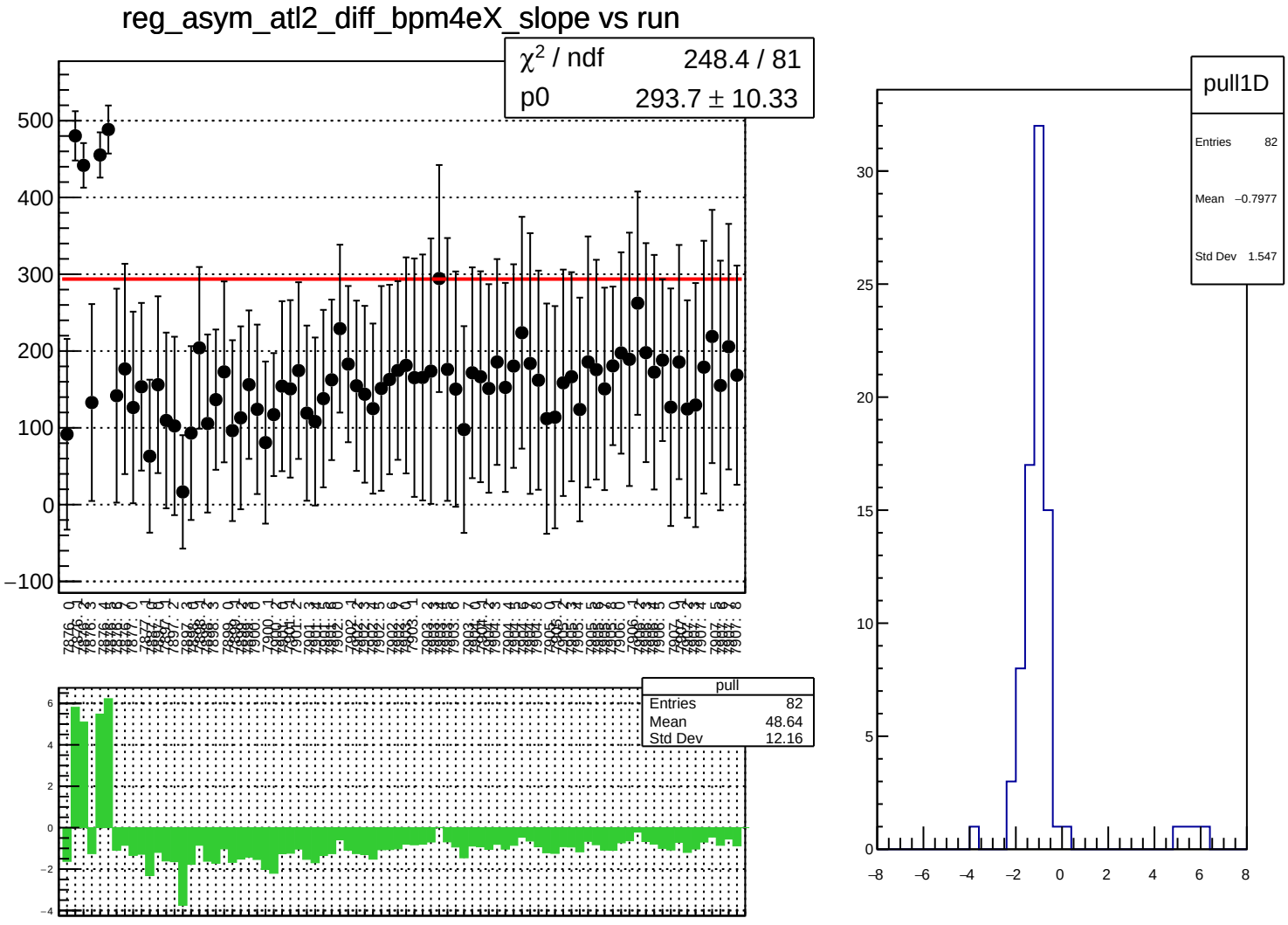

pull1D
Entries 82
Mean −0.1311
Std Dev 3.555

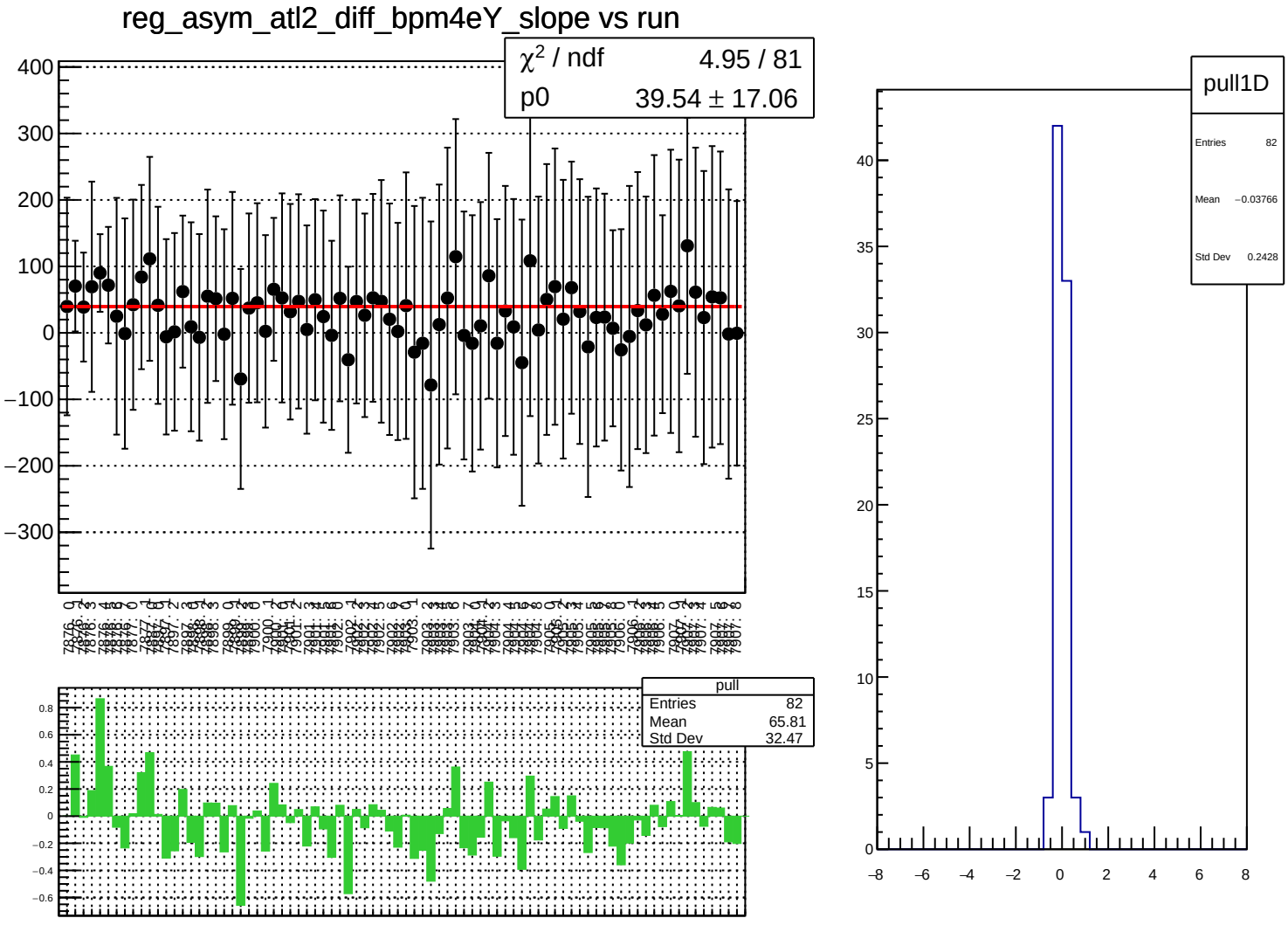

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 175.5 / 81
p0 −386.1 ± 12.81
pull
Entries 82
Mean 47.92
Std Dev 11.85

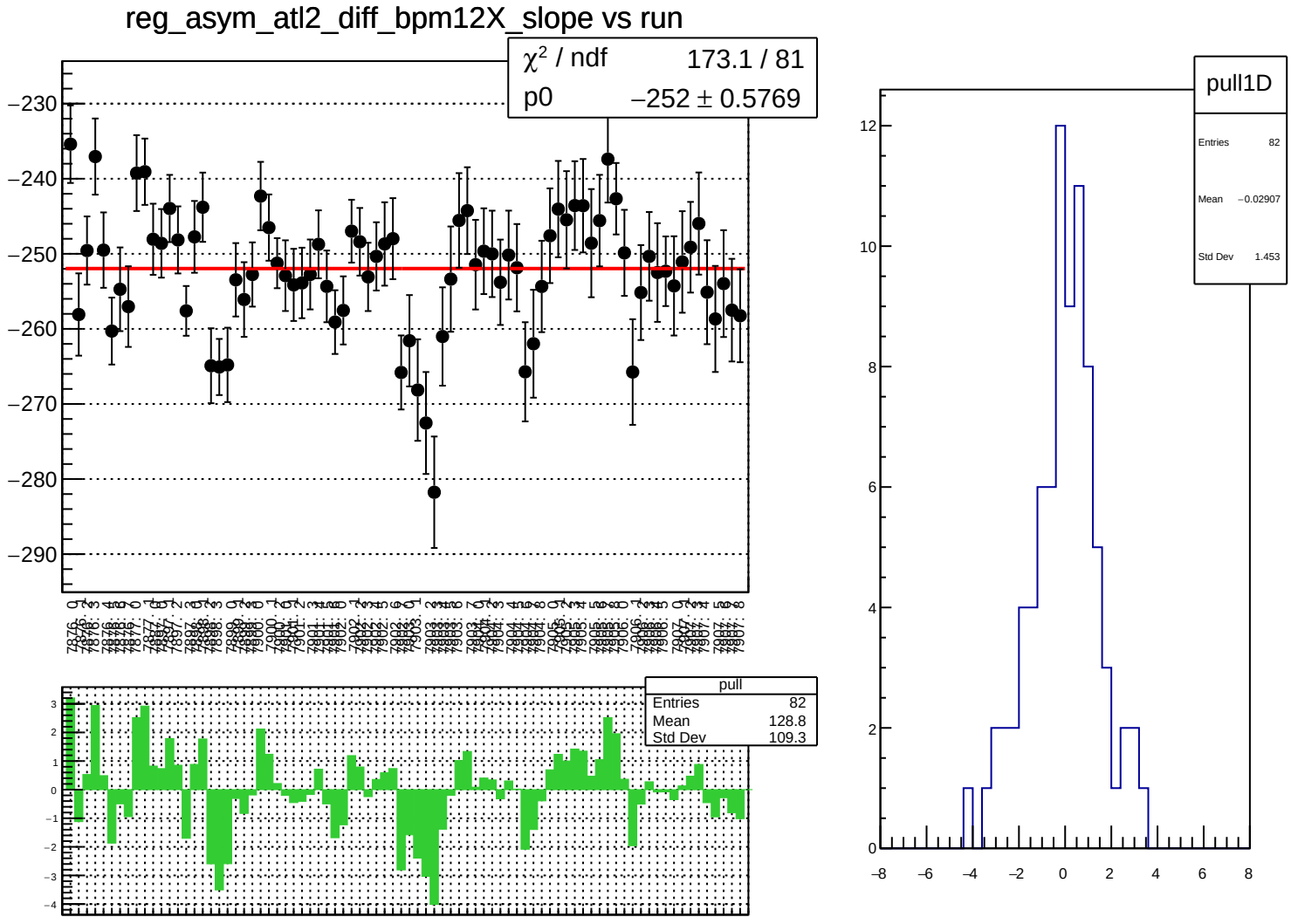

pull1D
Entries 82
Mean 0.597
Std Dev 1.336

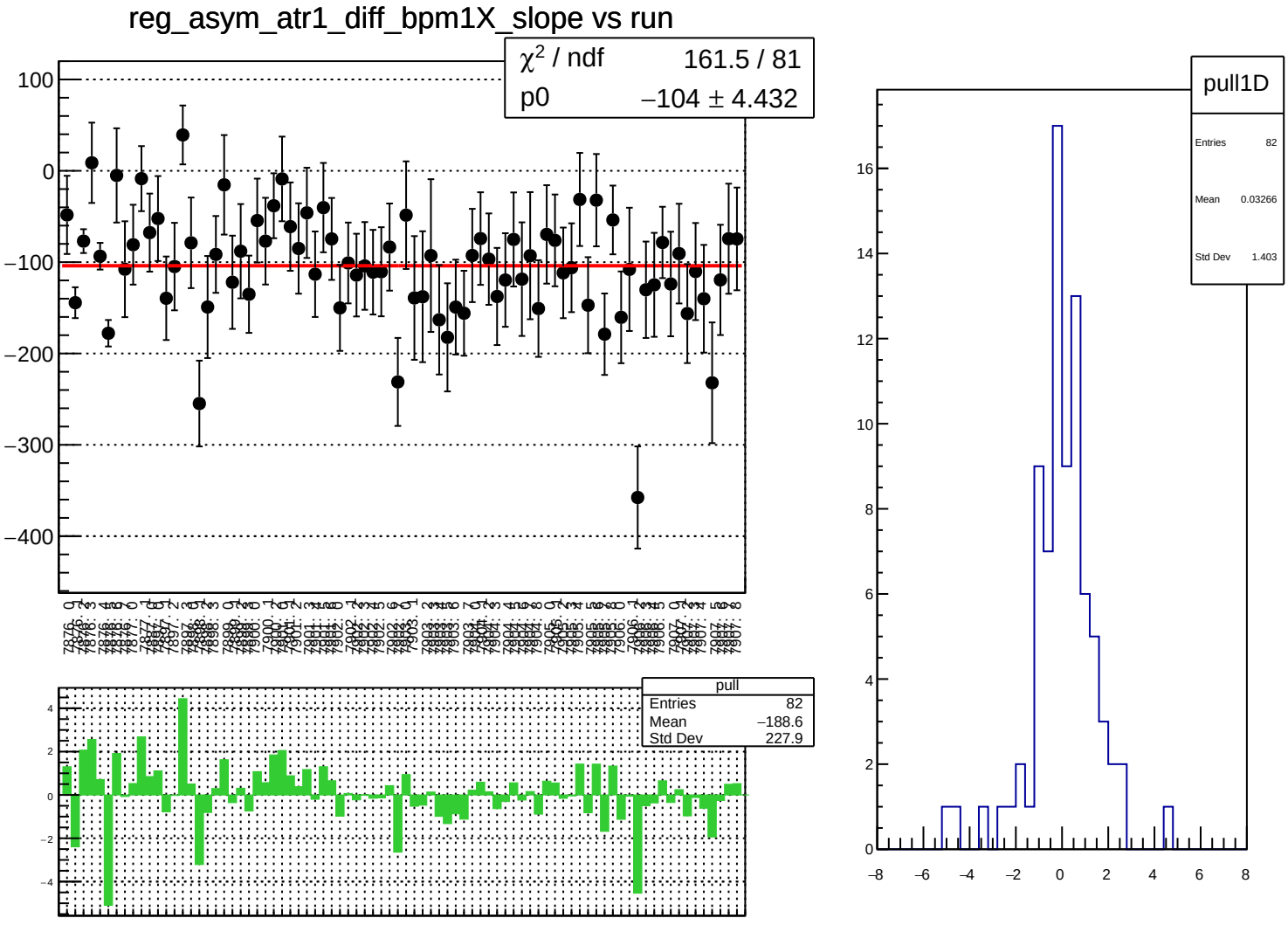

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 6.371 / 81
p0 55 ± 13.68
pull
Entries 82
Mean 52.63
Std Dev 19.55

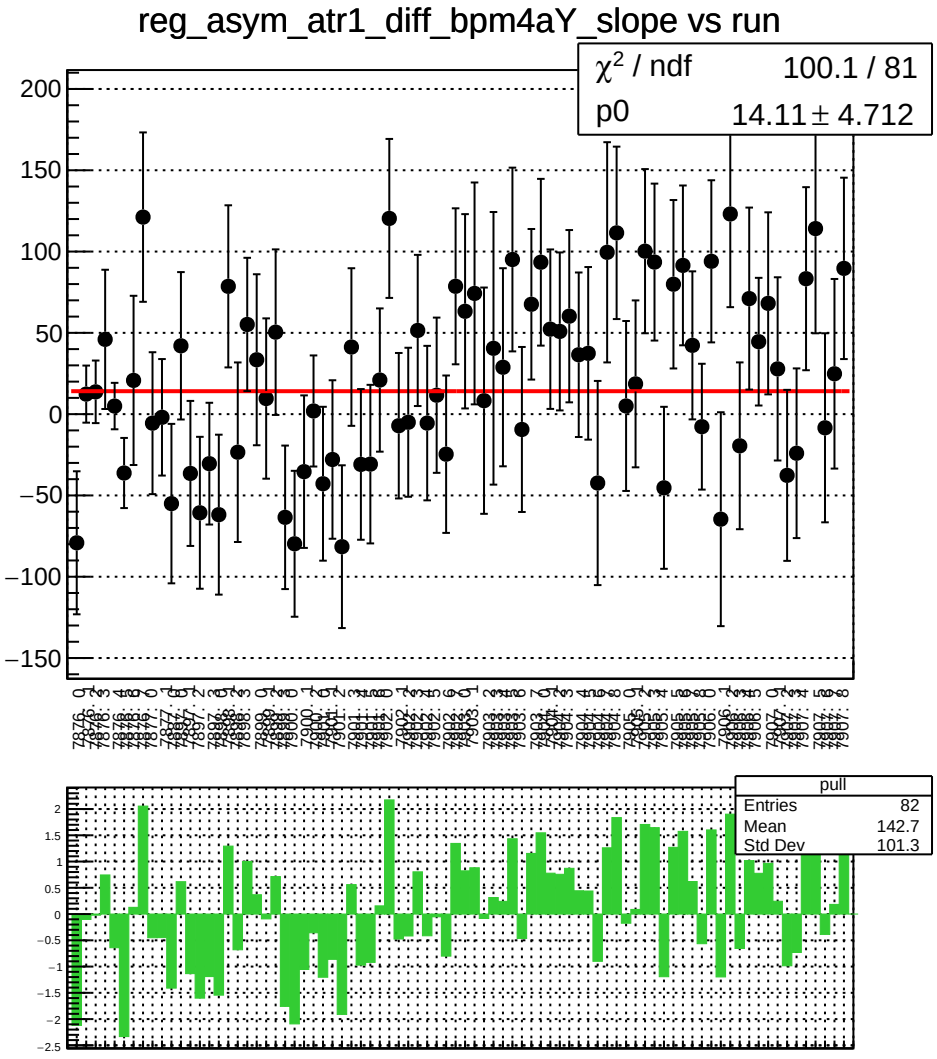

pull1D
Entries 82
Mean 0.06915
Std Dev 0.27

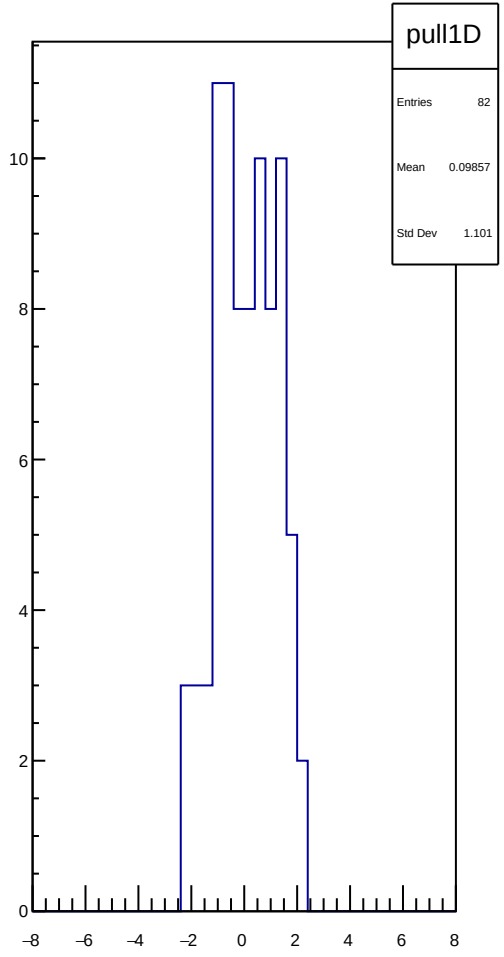

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 248.4 / 81
p0 293.7 ± 10.33
pull
Entries 82
Mean 48.64
Std Dev 12.16
pull1D
Entries 82
Mean −0.7977
Std Dev 1.547

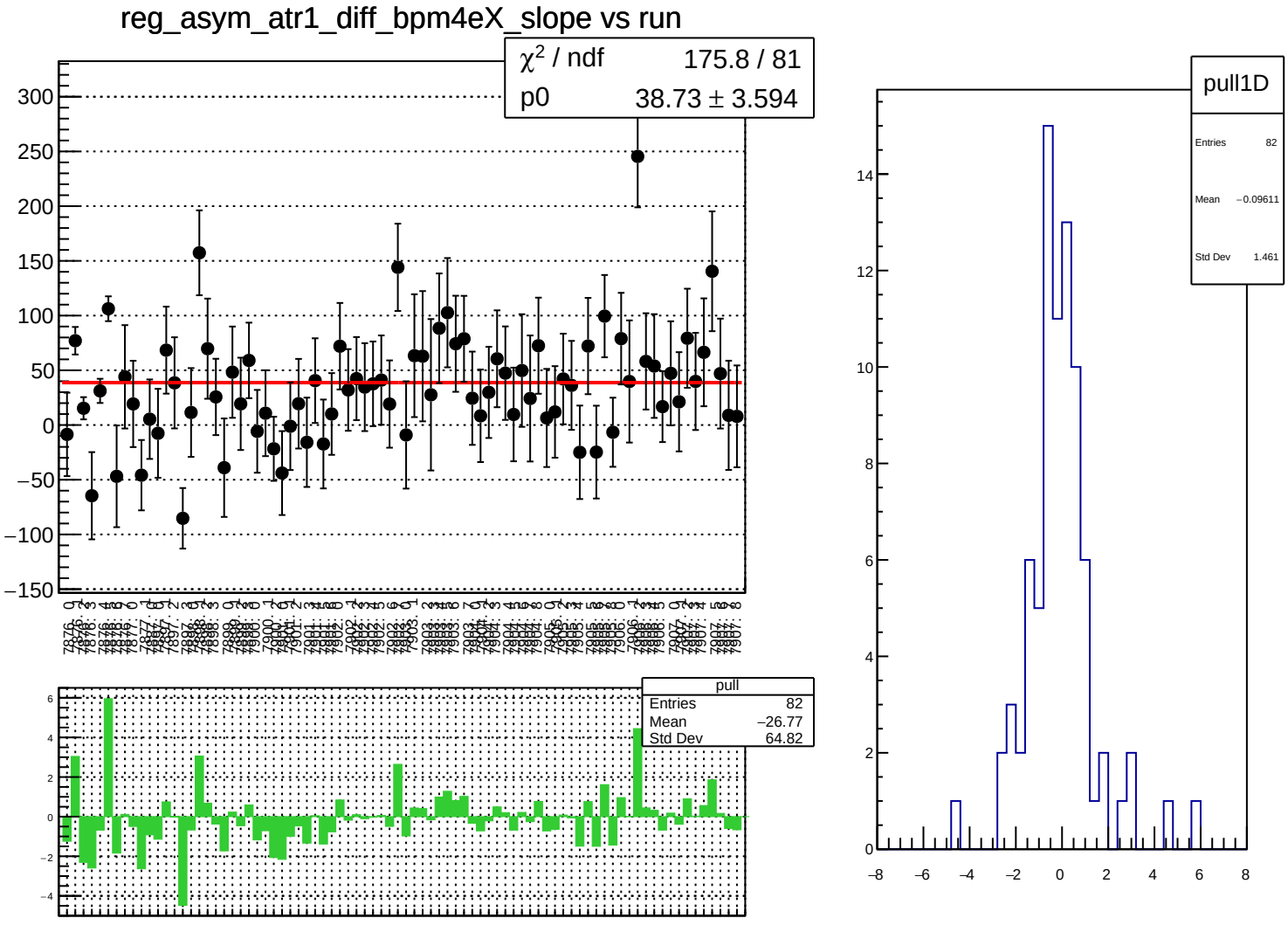

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.95 / 81
p0 39.54 ± 17.06
pull
Entries 82
Mean 65.81
Std Dev 32.47
pull1D
Entries 82
Mean −0.03766
Std Dev 0.2428

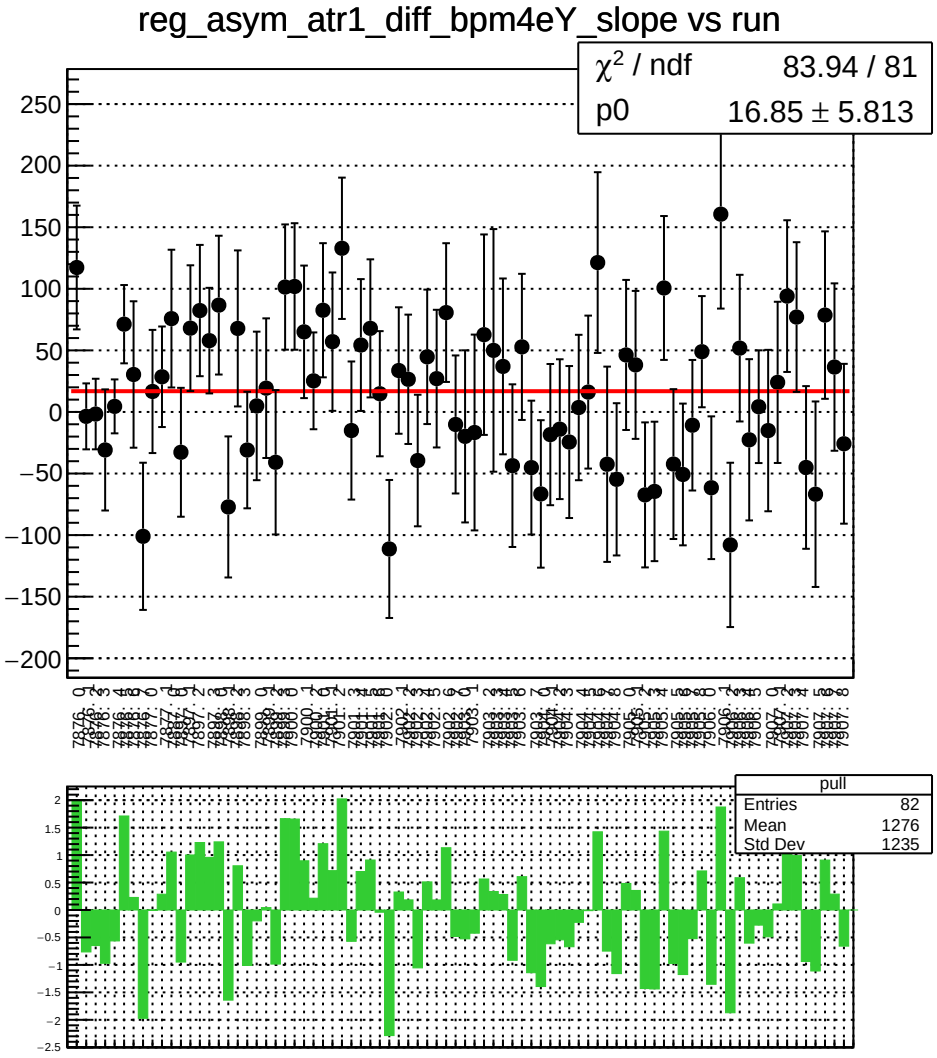

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 173.1 / 81
p0 −252 ± 0.5769
pull
Entries 82
Mean 128.8
Std Dev 109.3
pull1D
Entries 82
Mean −0.02907
Std Dev 1.453

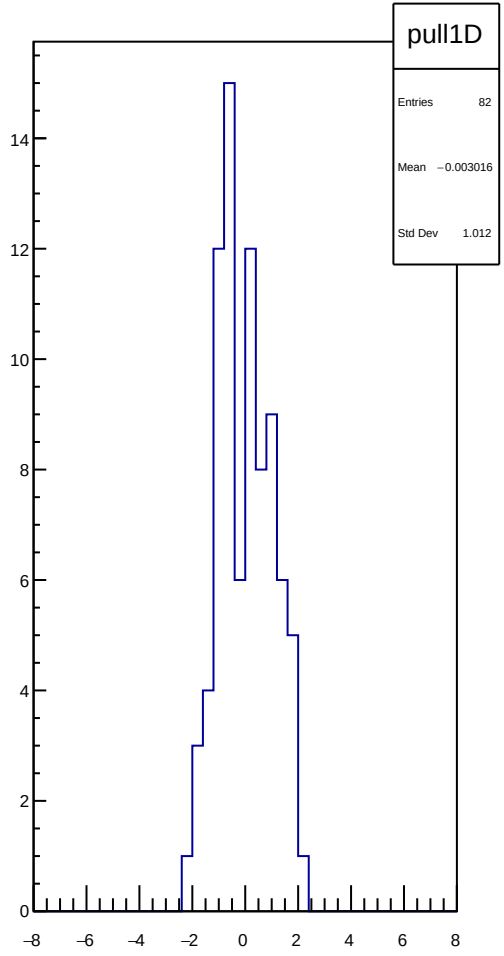

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 161.5 / 81
p0 −104 ± 4.432
pull
Entries 82
Mean −188.6
Std Dev 227.9
pull1D
Entries 82
Mean 0.03266
Std Dev 1.403

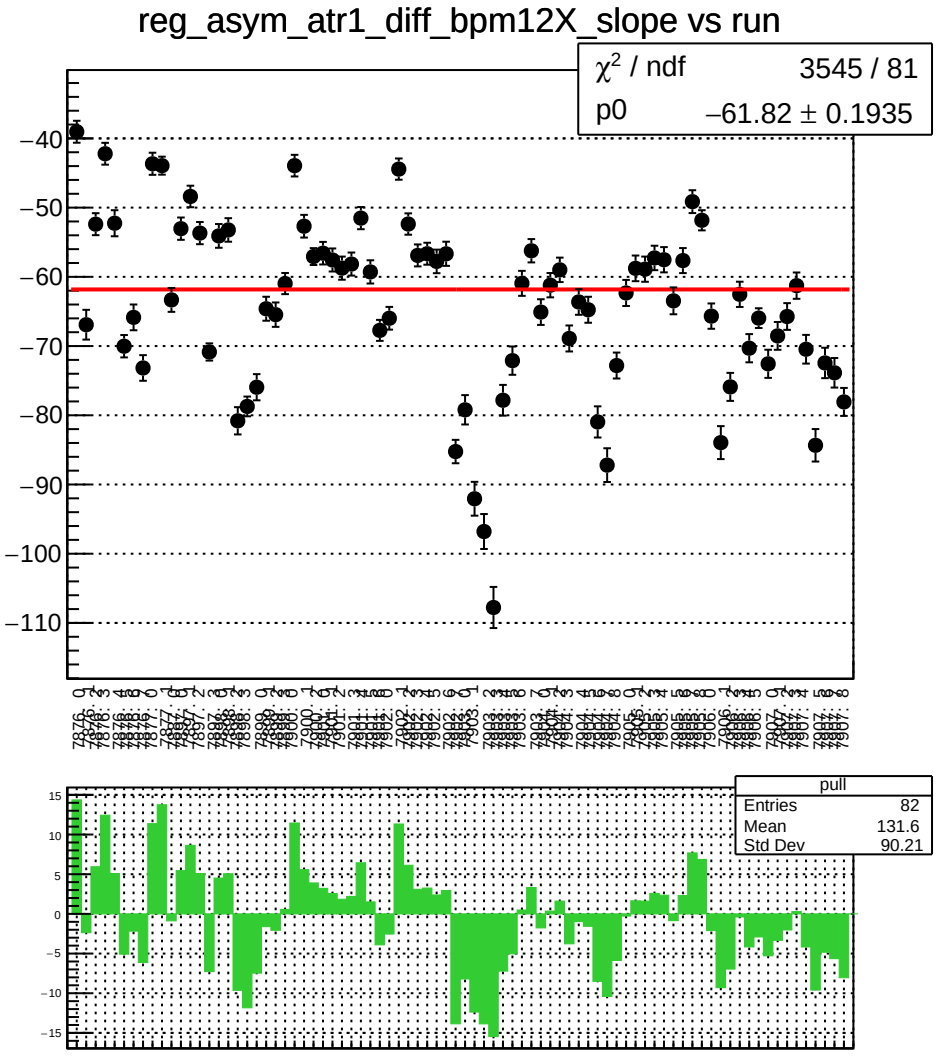

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 100.1 / 81
p0 14.11 ± 4.712
pull
Entries 82
Mean 142.7
Std Dev 101.3

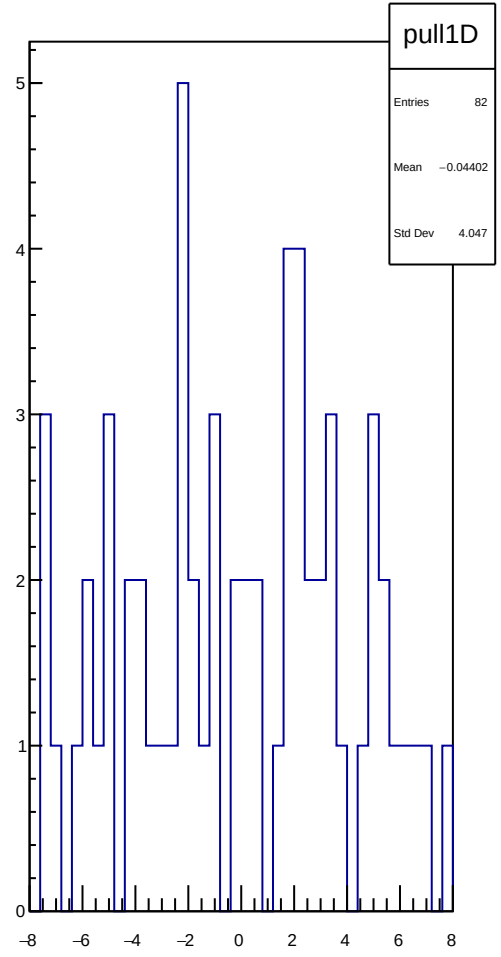

pull1D
Entries 82
Mean 0.09857
Std Dev 1.101

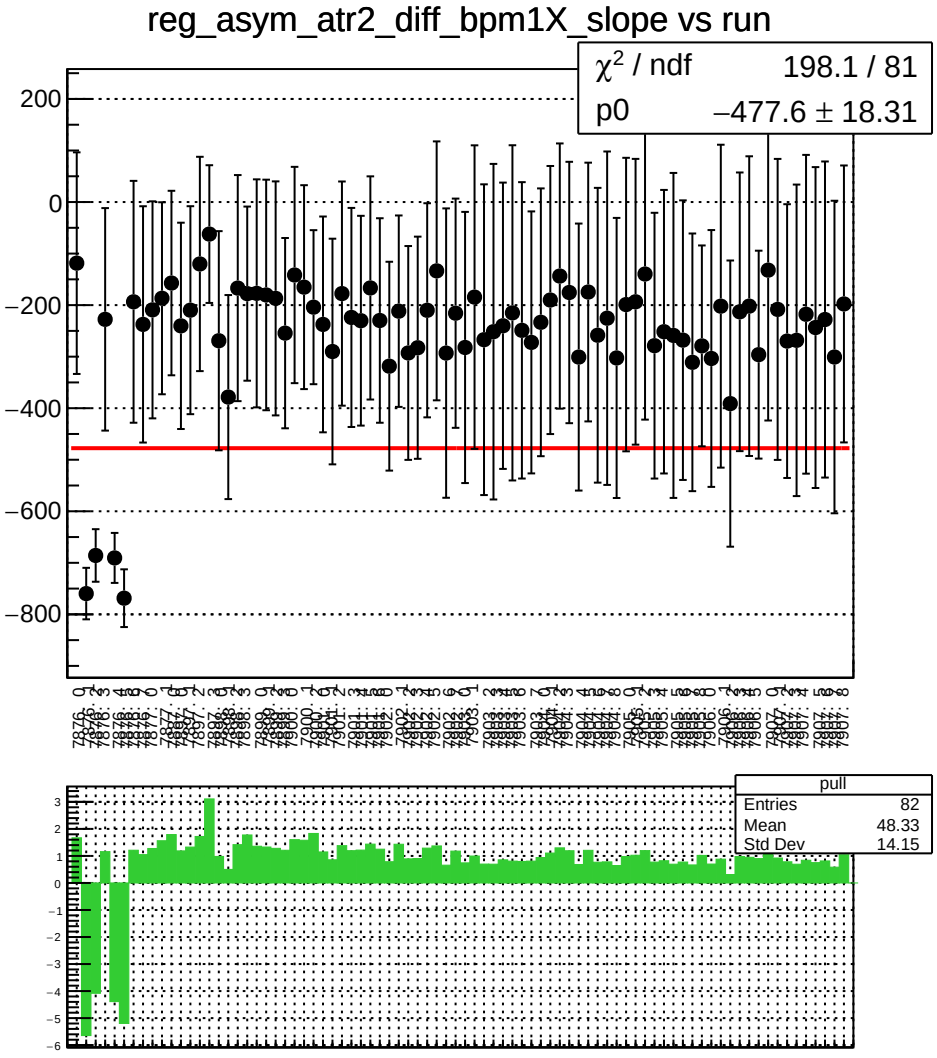

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 175.8 / 81
p0 38.73 ± 3.594
pull
Entries 82
Mean −26.77
Std Dev 64.82
pull1D
Entries 82
Mean −0.09611
Std Dev 1.461

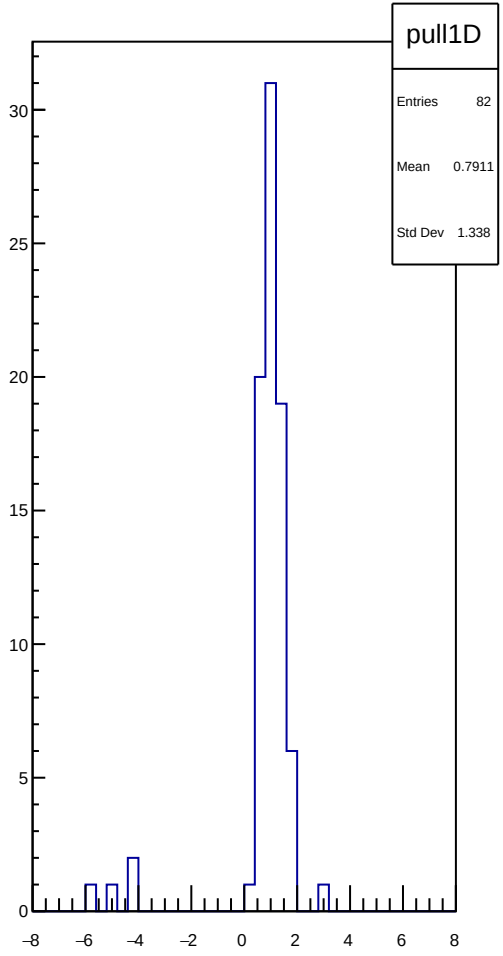

reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 83.94 / 81
p0 16.85 ± 5.813
pull
Entries 82
Mean 1276
Std Dev 1235

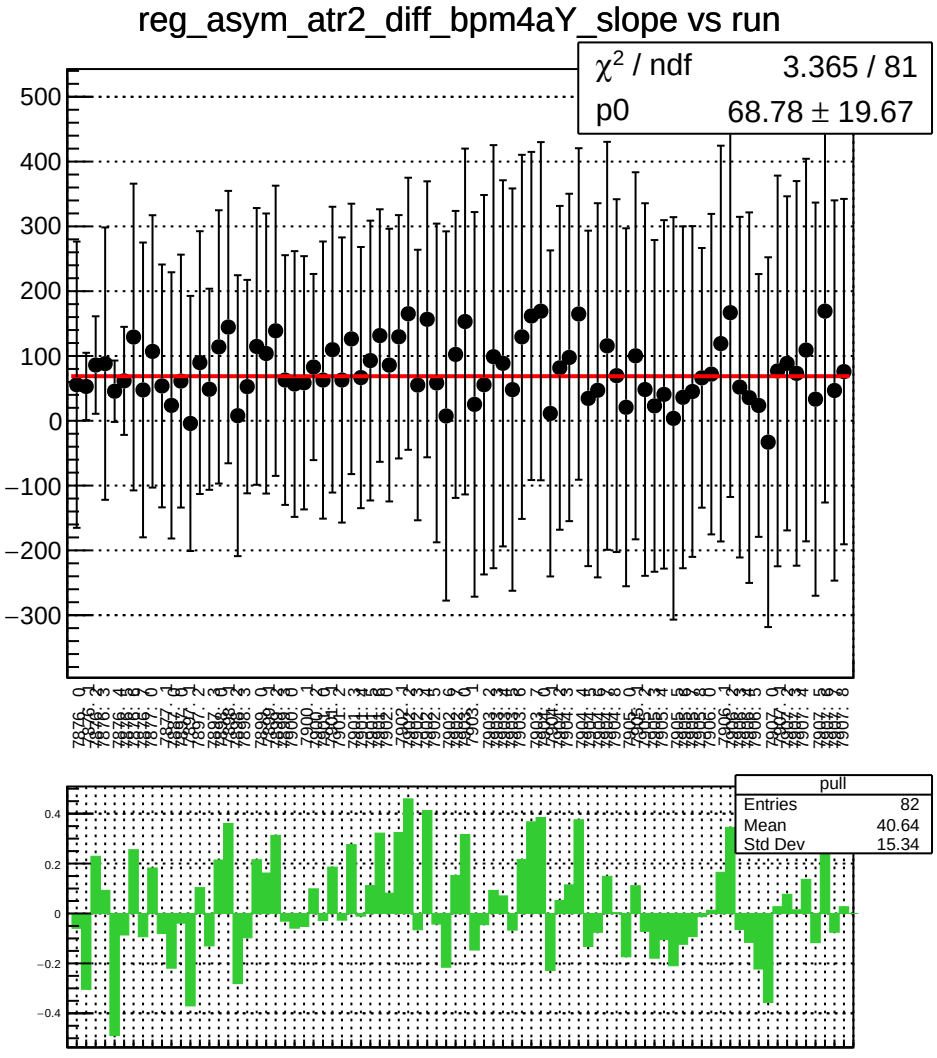

pull1D
Entries 82
Mean −0.003016
Std Dev 1.012

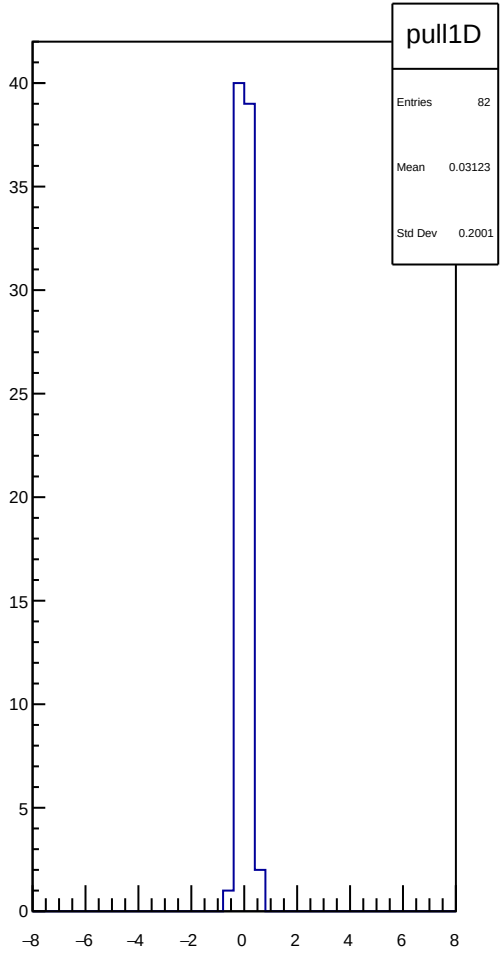

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 3545 / 81
p0 −61.82 ± 0.1935
pull
Entries 82
Mean 131.6
Std Dev 90.21

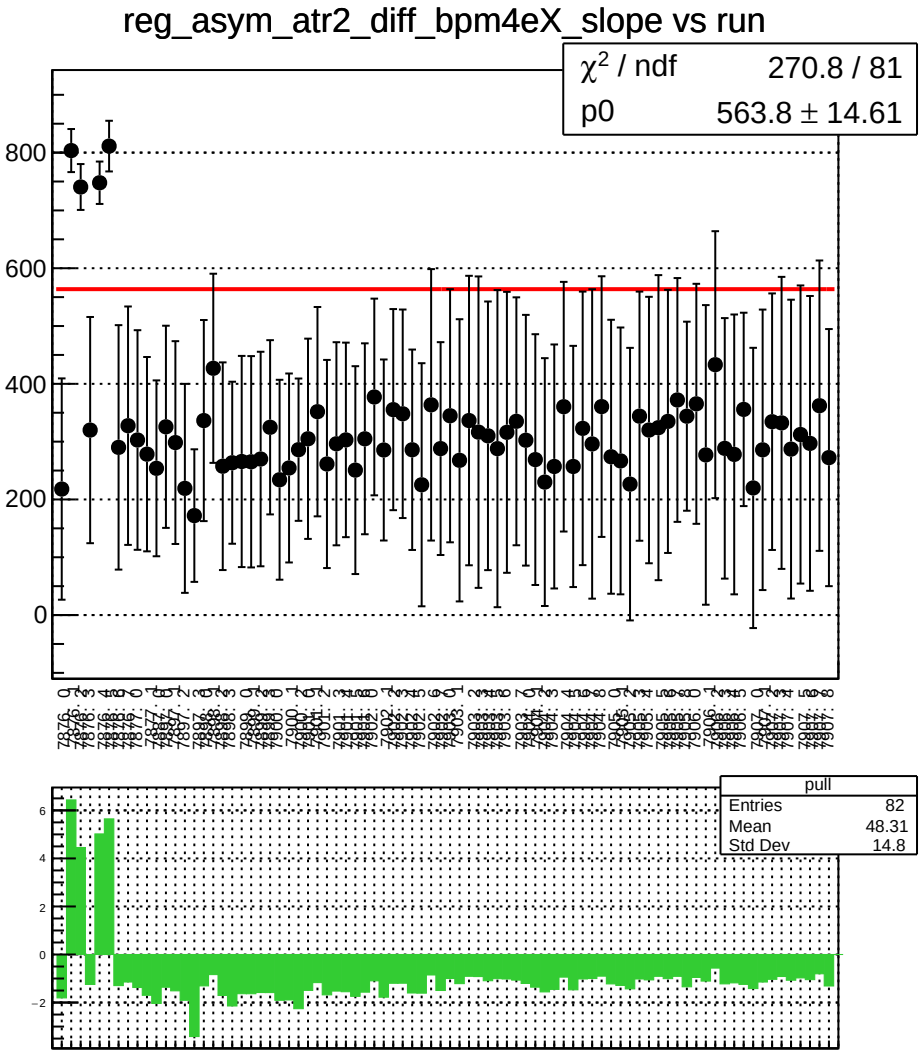

pull1D
Entries 82
Mean −0.04402
Std Dev 4.047

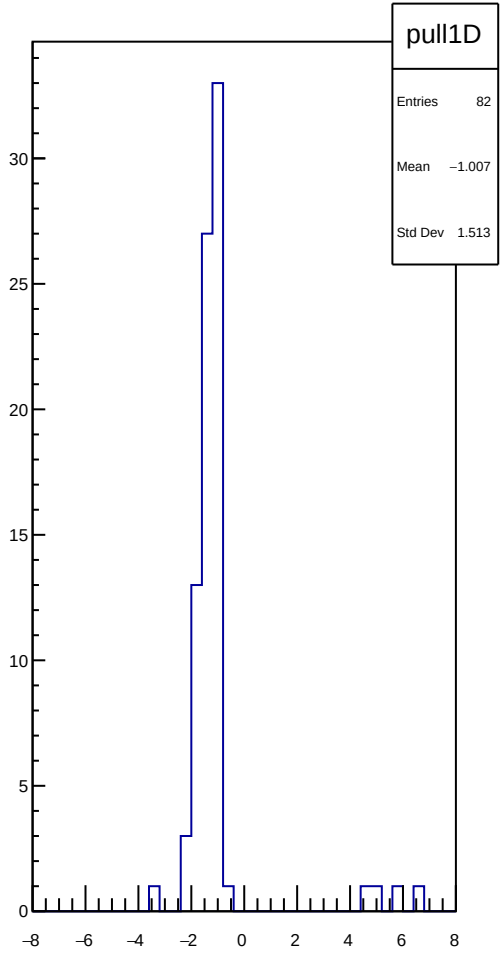

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 198.1 / 81
p0 −477.6 ± 18.31
pull
Entries 82
Mean 48.33
Std Dev 14.15

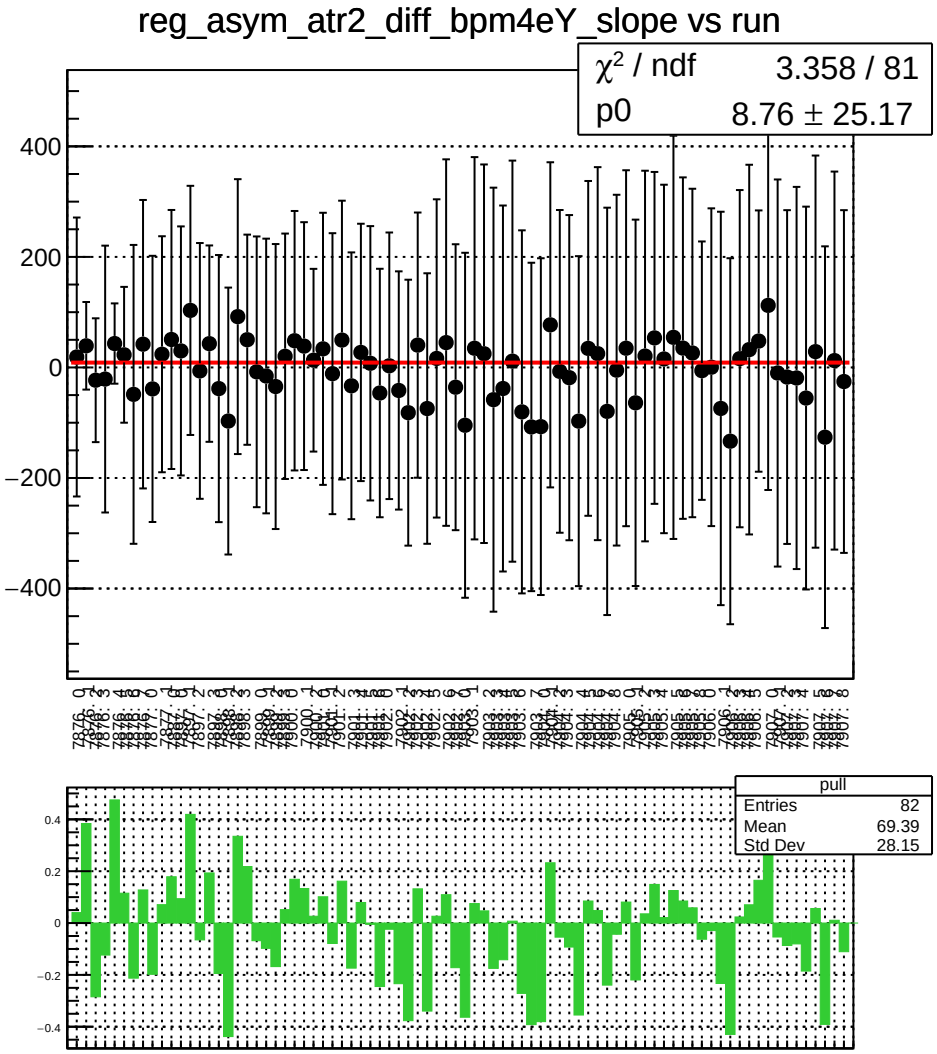

pull1D
Entries 82
Mean 0.7911
Std Dev 1.338

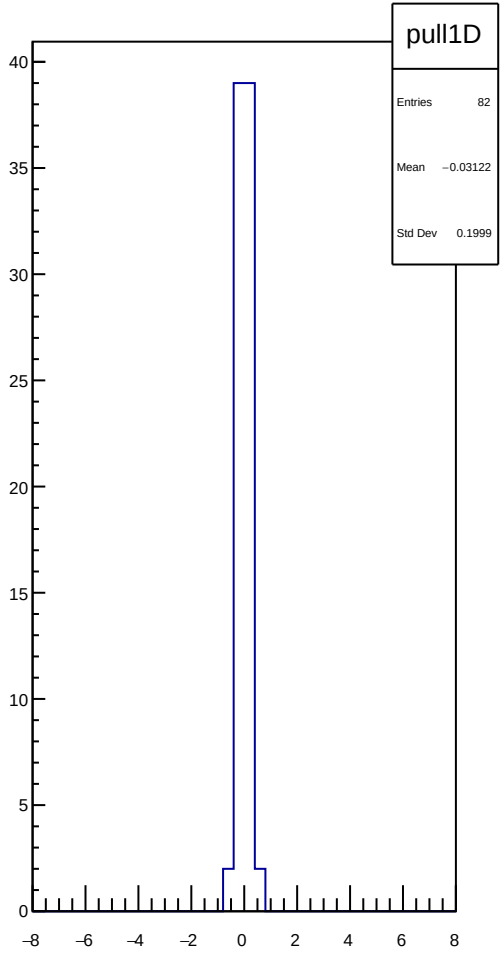

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 3.365 / 81
p0 68.78 ± 19.67
pull
Entries 82
Mean 40.64
Std Dev 15.34

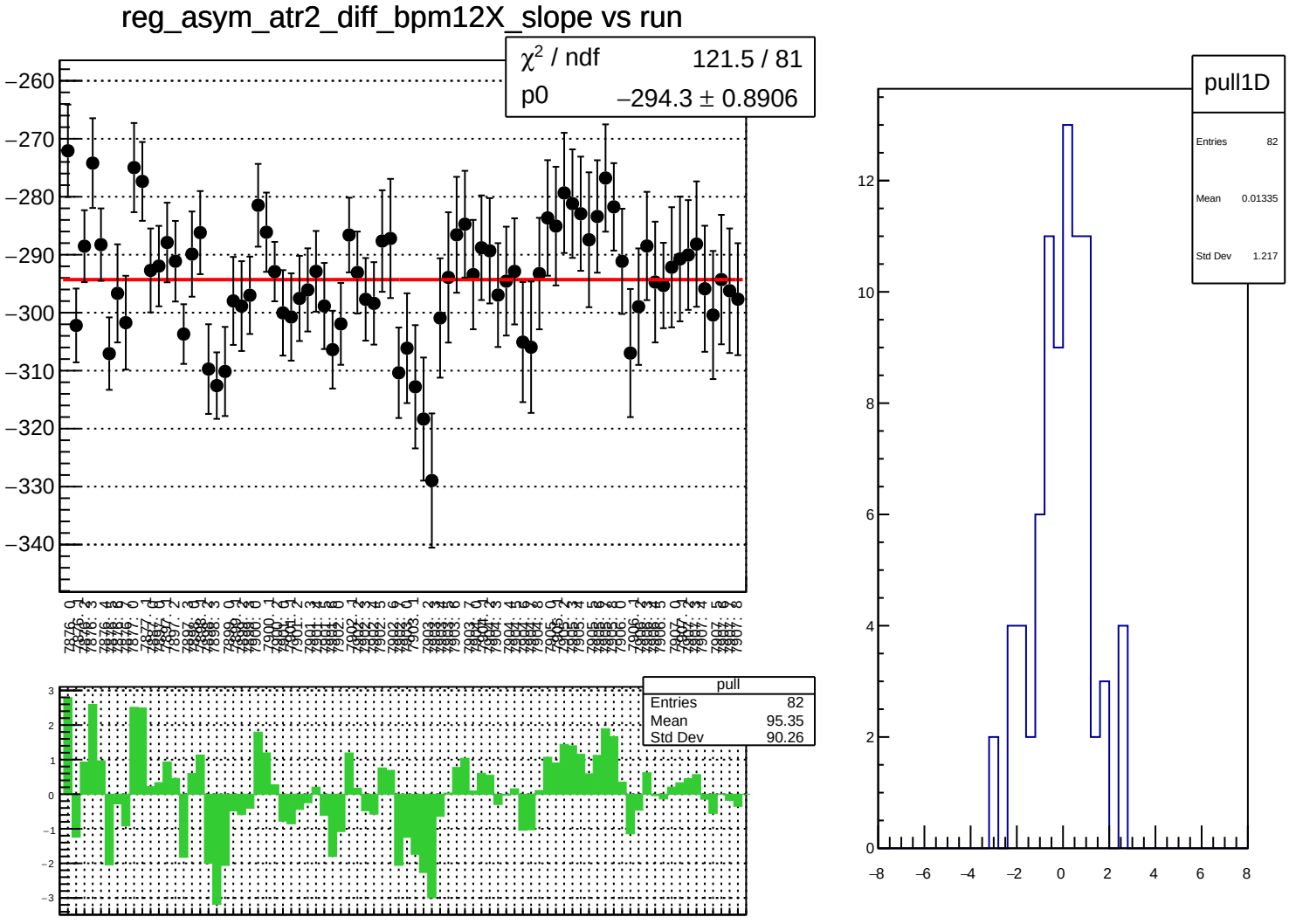

pull1D
Entries 82
Mean 0.03123
Std Dev 0.2001

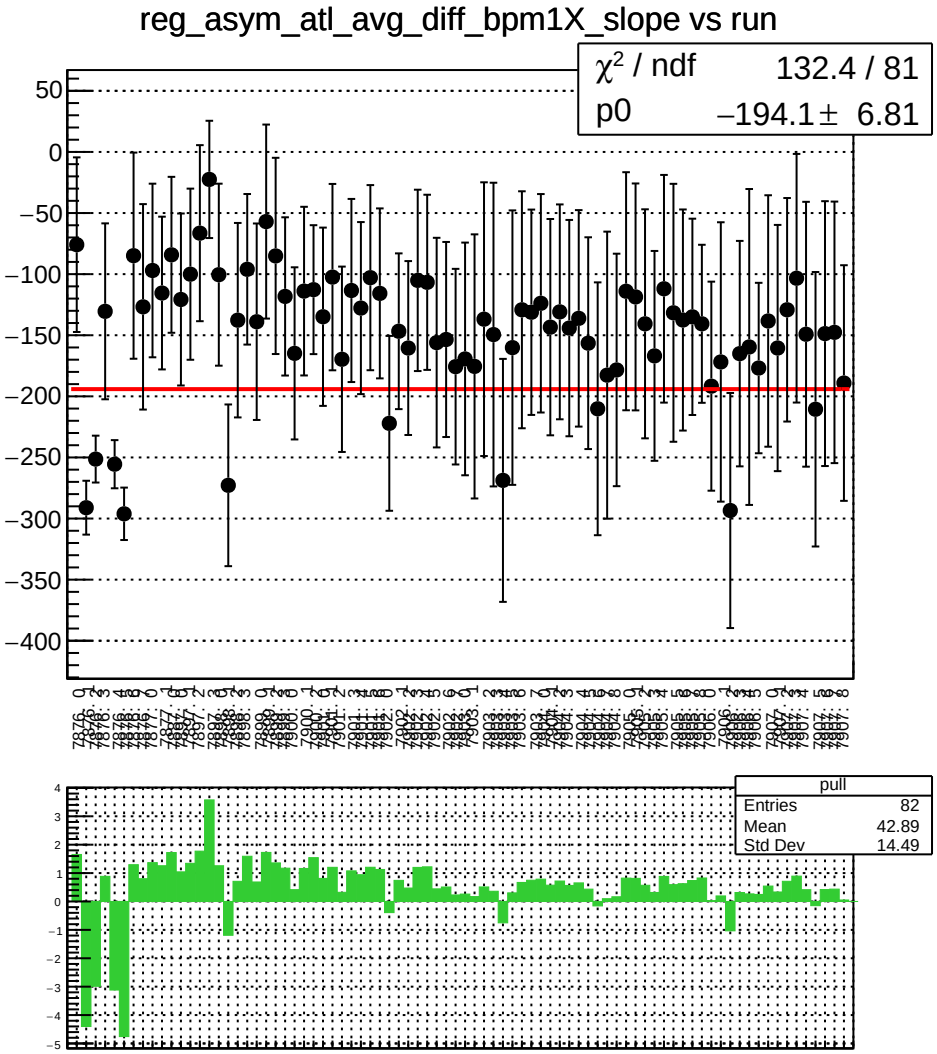

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 270.8 / 81
p0 563.8 ± 14.61
pull
Entries 82
Mean 48.31
Std Dev 14.8

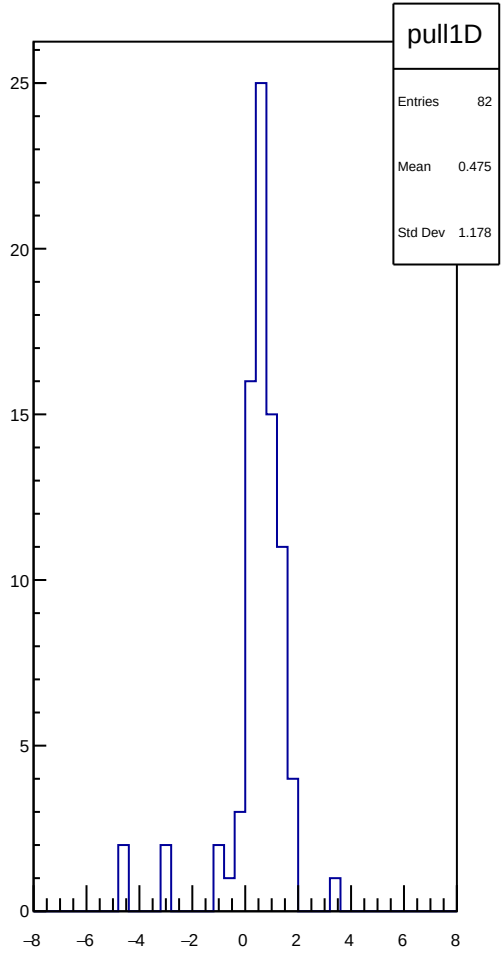

pull1D
Entries 82
Mean −1.007
Std Dev 1.513

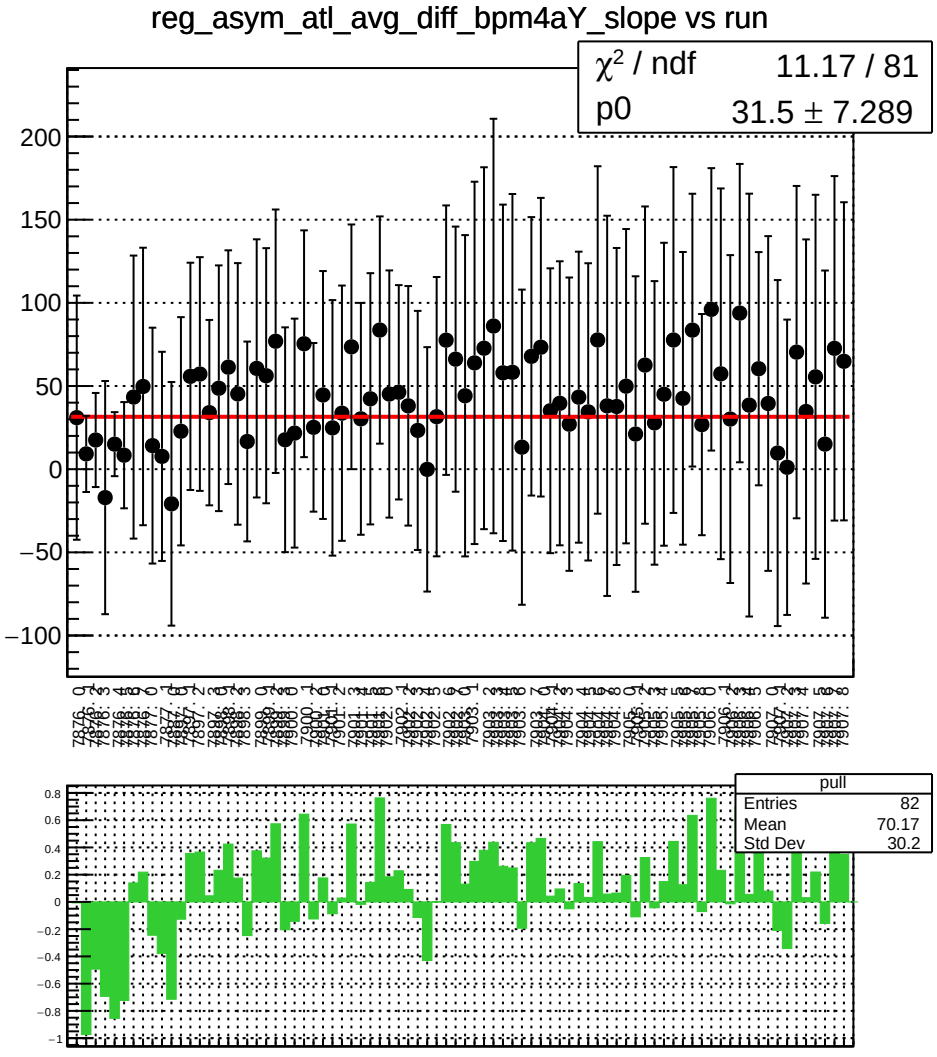

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.358 / 81
p0 8.76 ± 25.17
400
200
0
−200
−400
pull
Entries 82
Mean 69.39
Std Dev 28.15
0.4
0.2
0
−0.2
−0.4

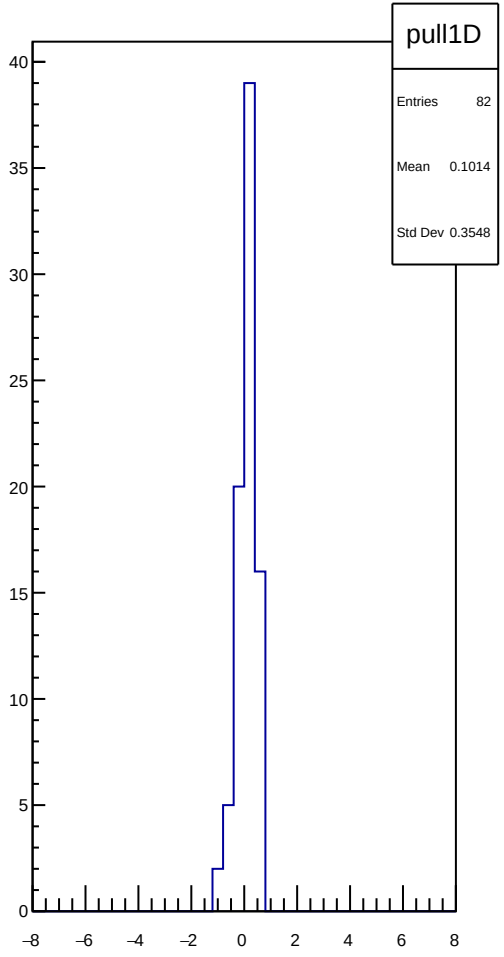

pull1D
Entries 82
Mean −0.03122
Std Dev 0.1999
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

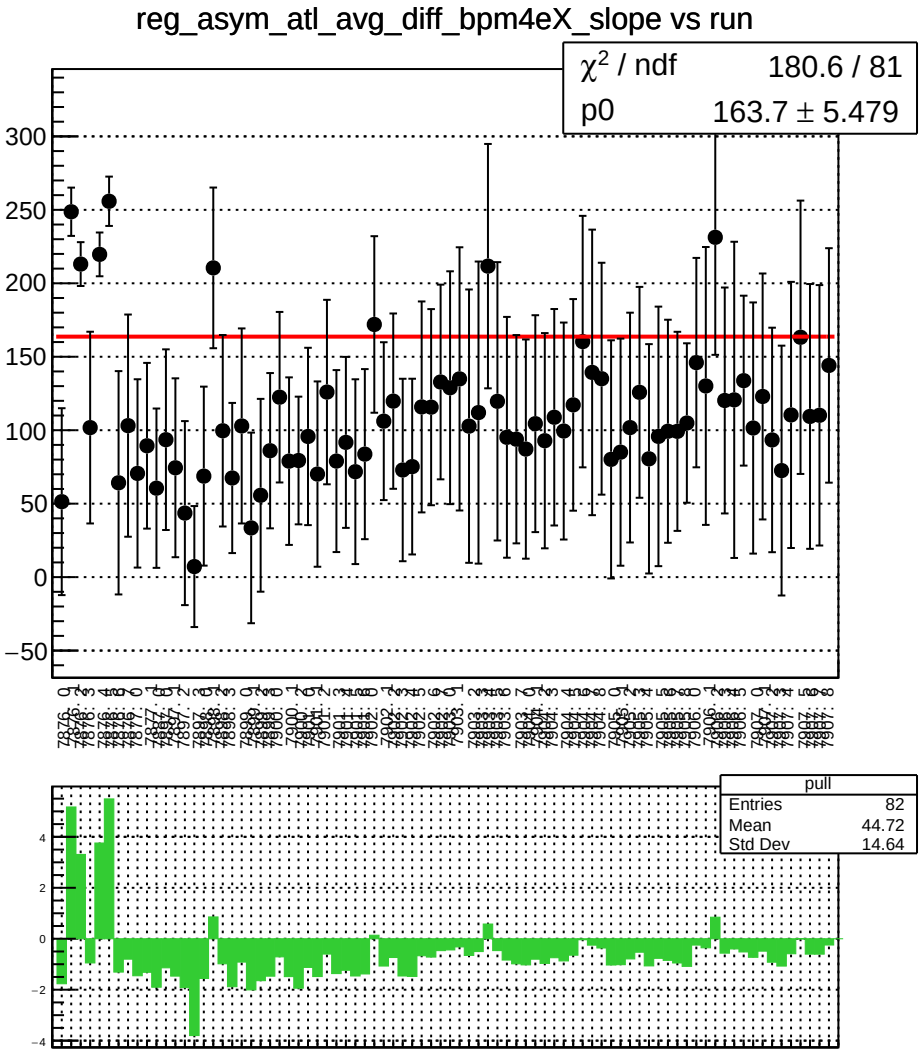

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 121.5 / 81
p0 −294.3 ± 0.8906
pull
Entries 82
Mean 95.35
Std Dev 90.26
pull1D
Entries 82
Mean 0.01335
Std Dev 1.217

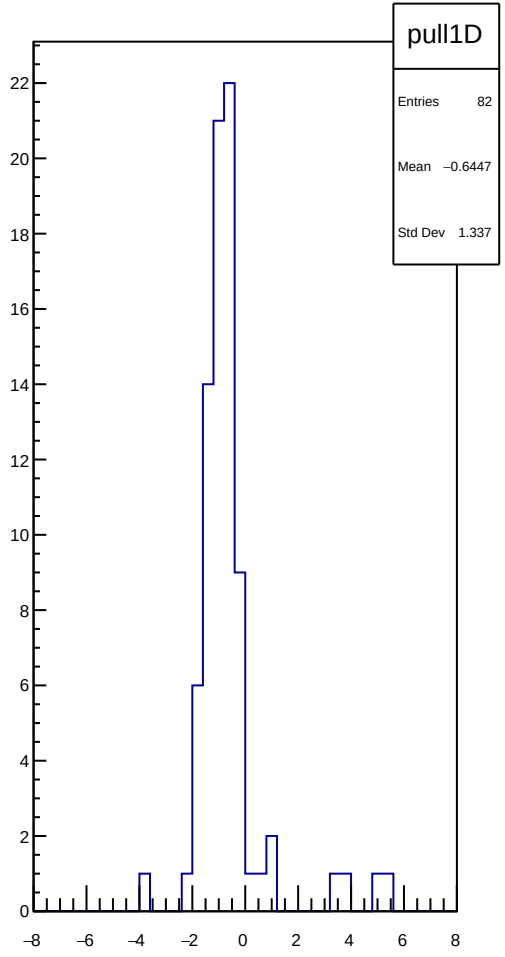

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 132.4 / 81
p0 −194.1 ± 6.81
pull
Entries 82
Mean 42.89
Std Dev 14.49

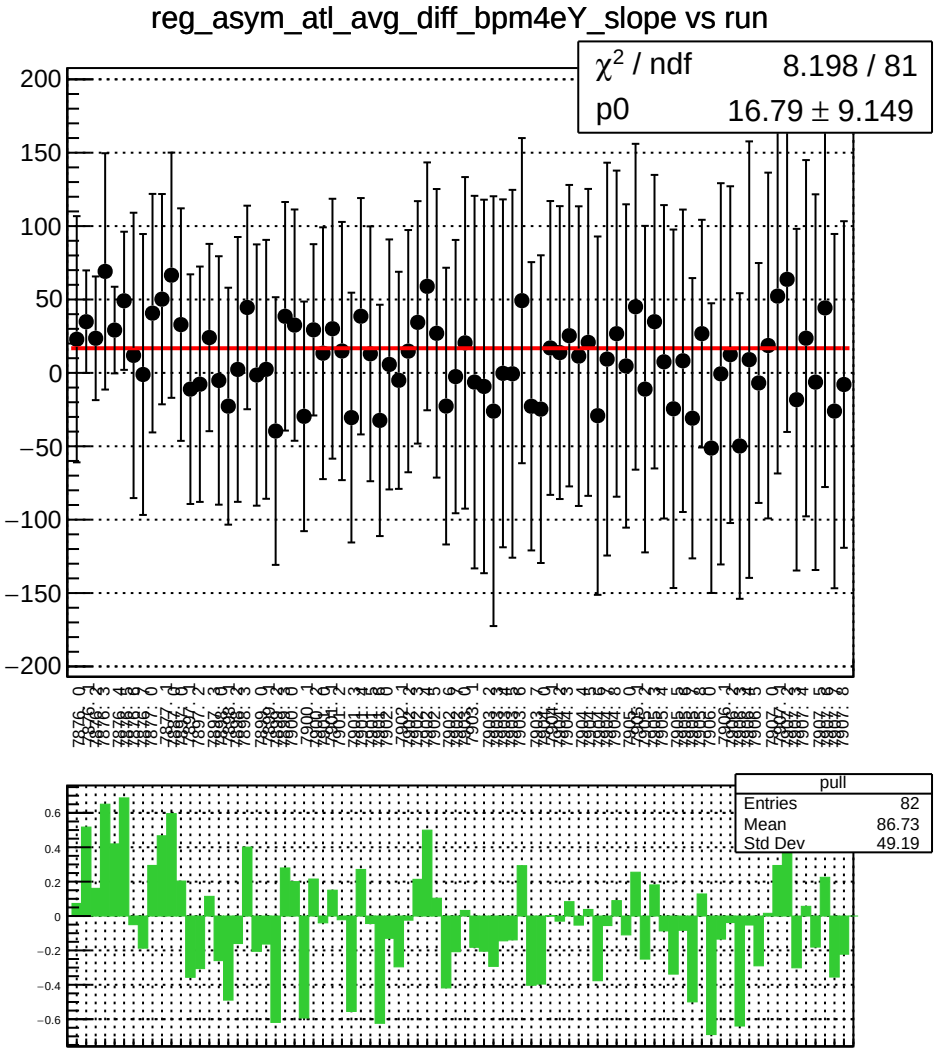

pull1D
Entries 82
Mean 0.475
Std Dev 1.178

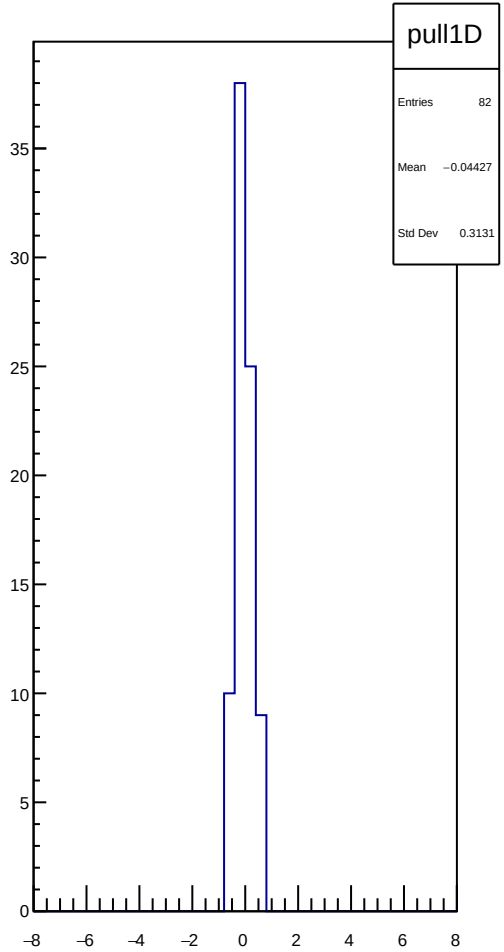

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.17 / 81
p0 31.5 ± 7.289
pull
Entries 82
Mean 70.17
Std Dev 30.2

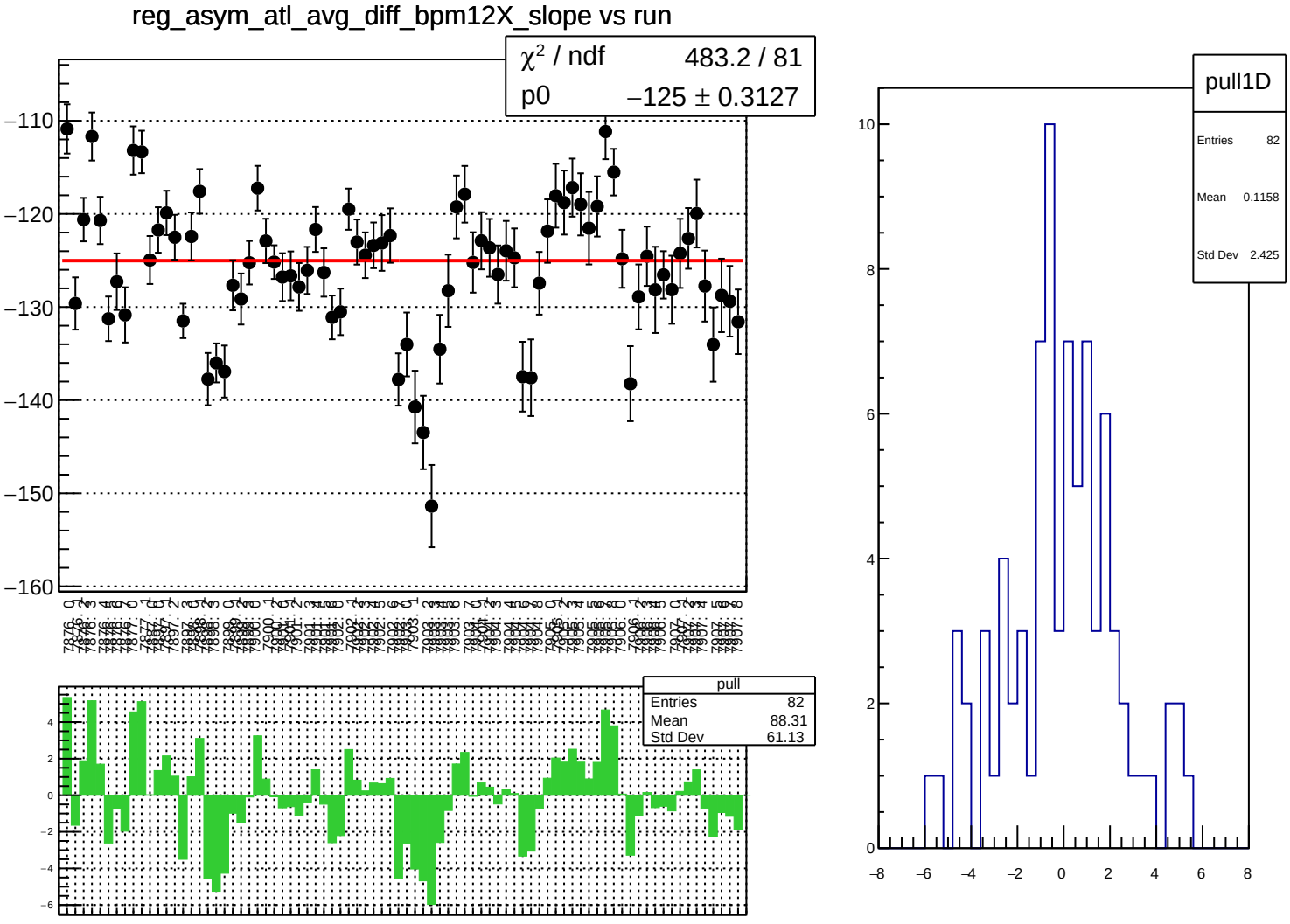

pull1D
Entries 82
Mean 0.1014
Std Dev 0.3548

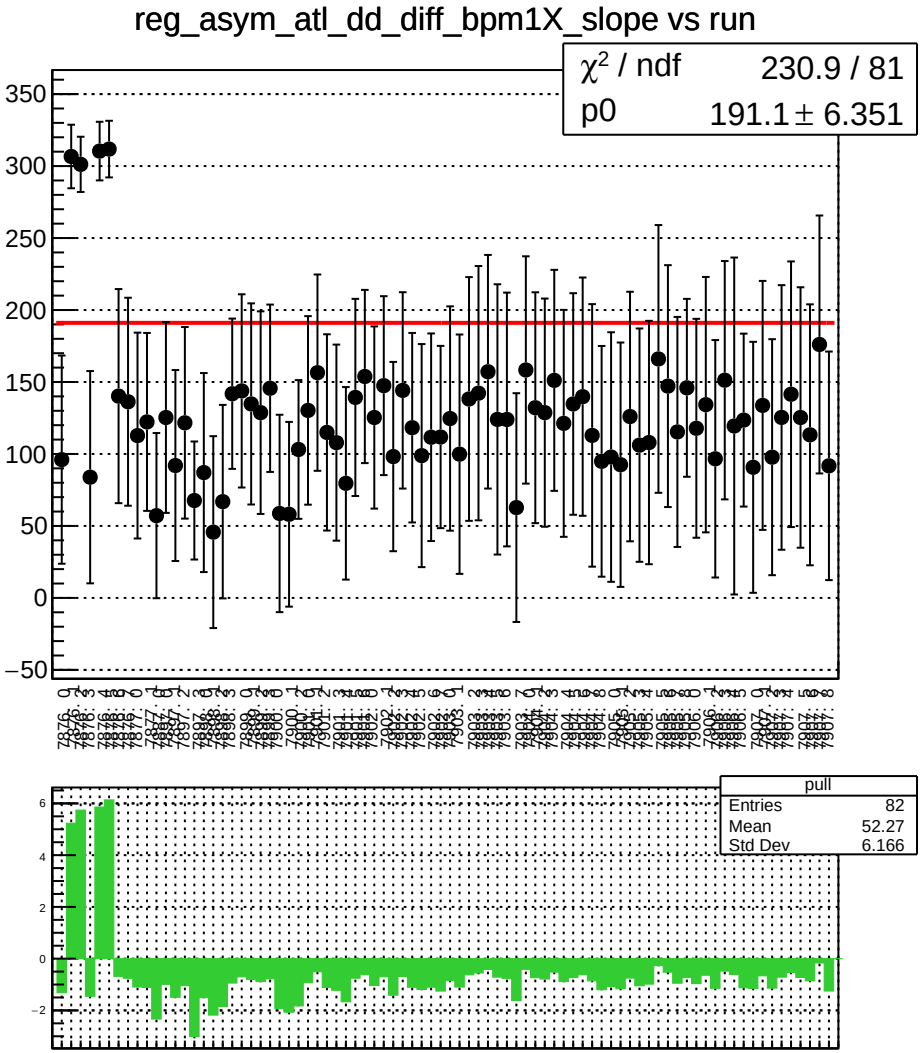

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 180.6 / 81
p0 163.7 ± 5.479
pull
Entries 82
Mean 44.72
Std Dev 14.64

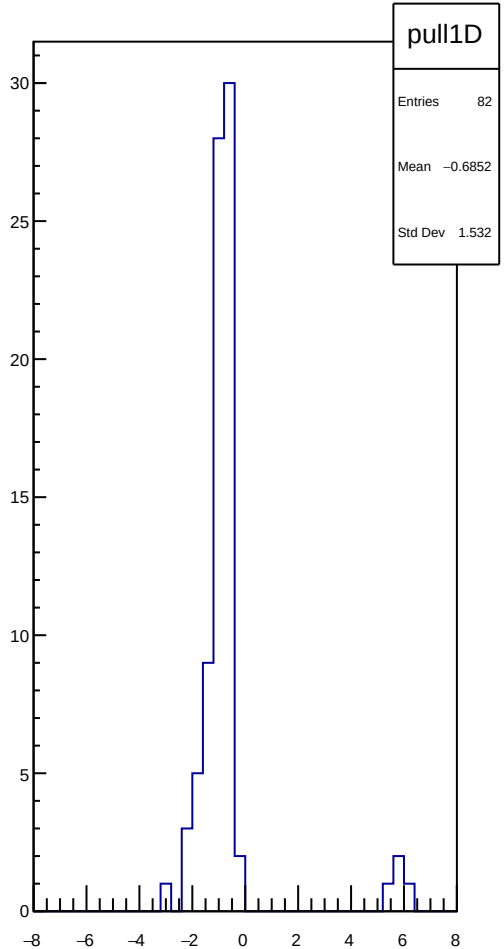

pull1D
Entries 82
Mean −0.6447
Std Dev 1.337

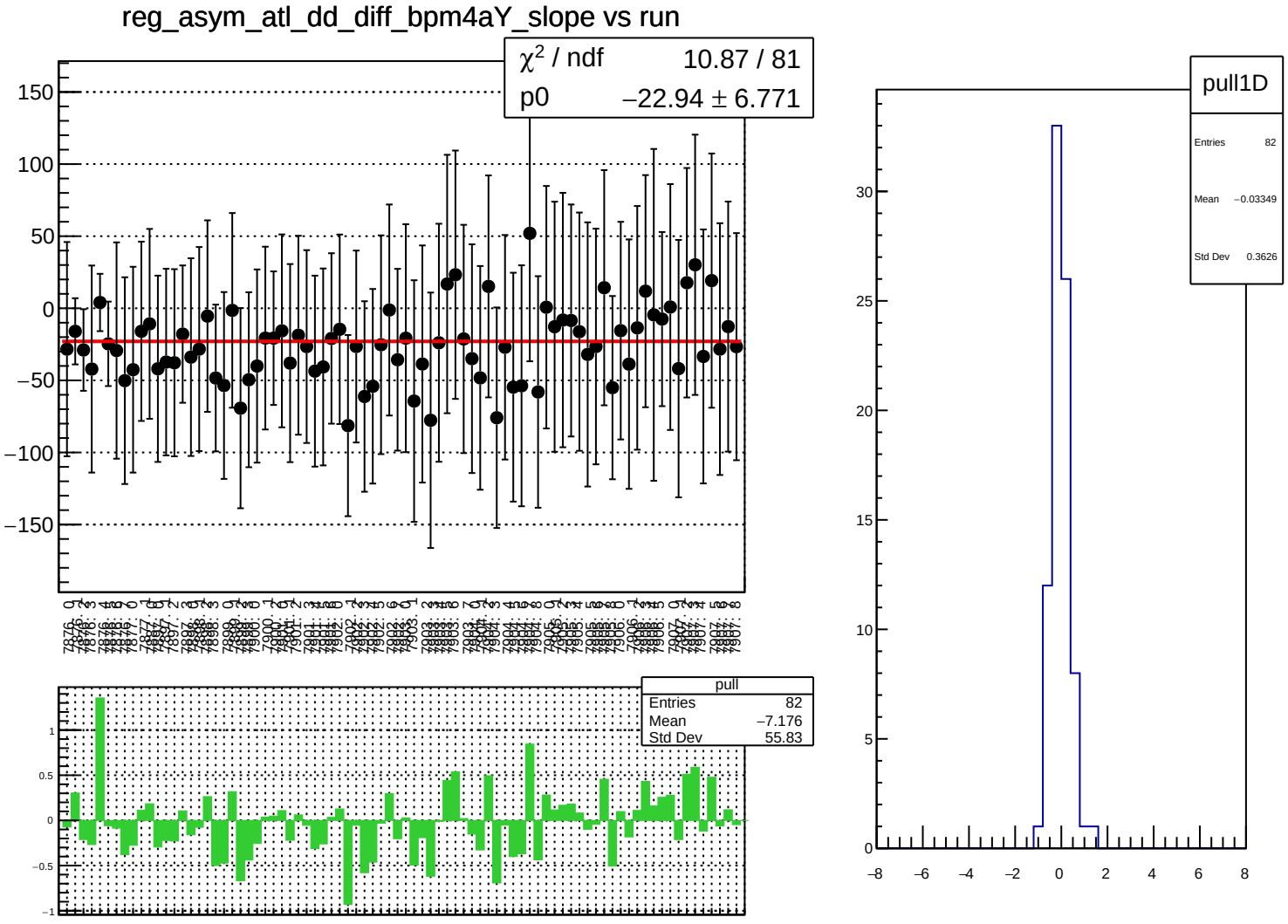

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.198 / 81
p0 16.79 ± 9.149
pull
Entries 82
Mean 86.73
Std Dev 49.19

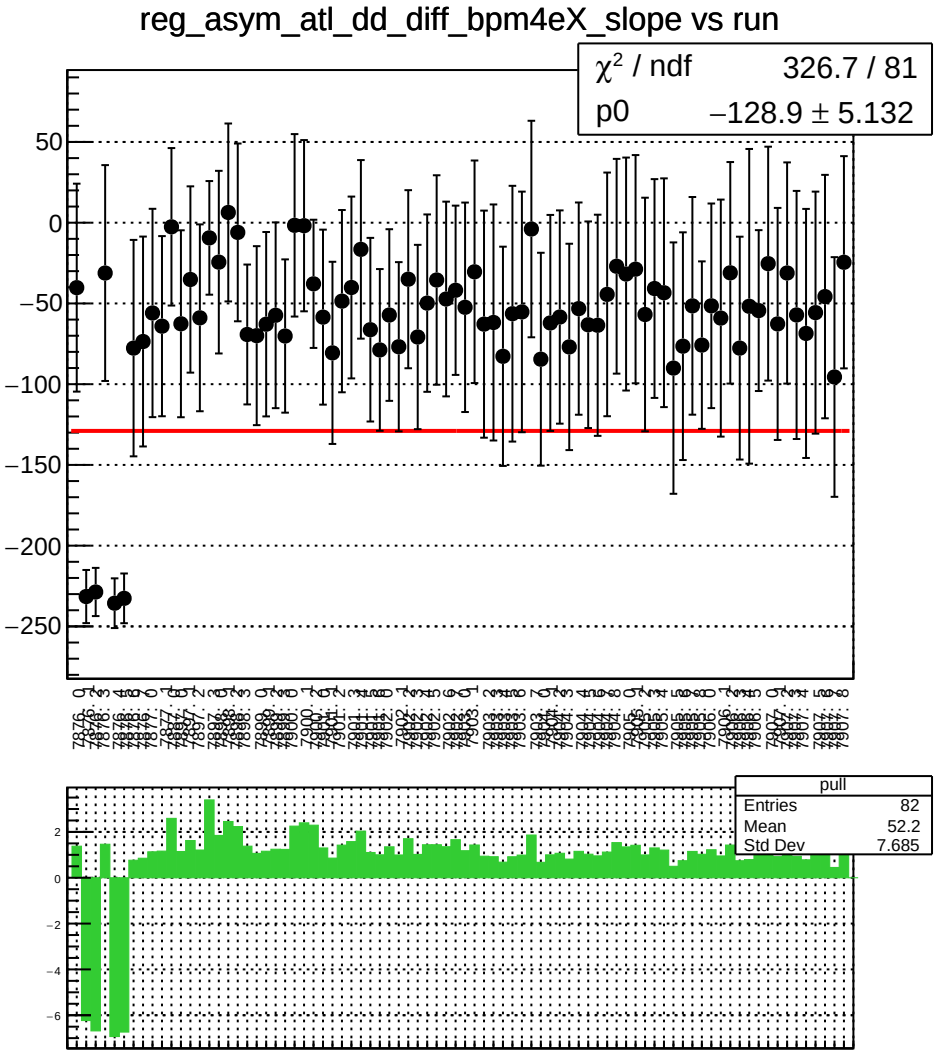

pull1D
Entries 82
Mean −0.04427
Std Dev 0.3131

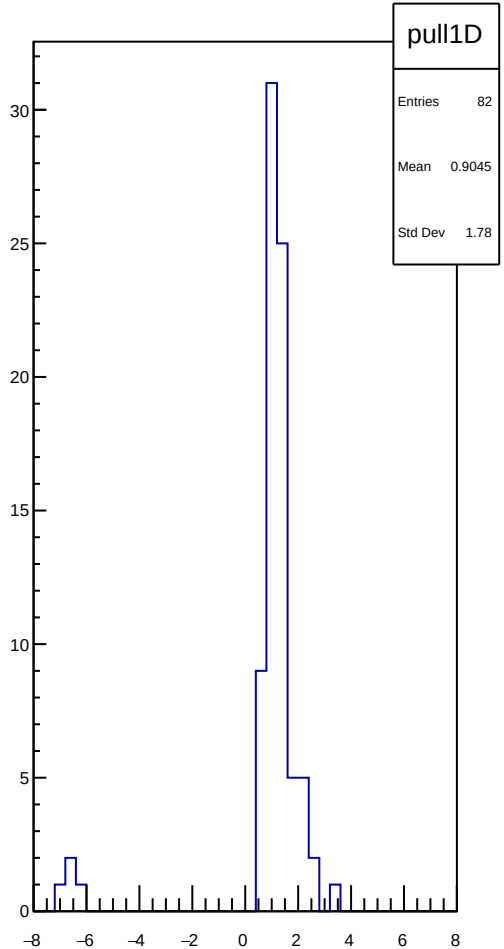

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 483.2 / 81
p0 −125 ± 0.3127
pull
Entries 82
Mean 88.31
Std Dev 61.13
pull1D
Entries 82
Mean −0.1158
Std Dev 2.425

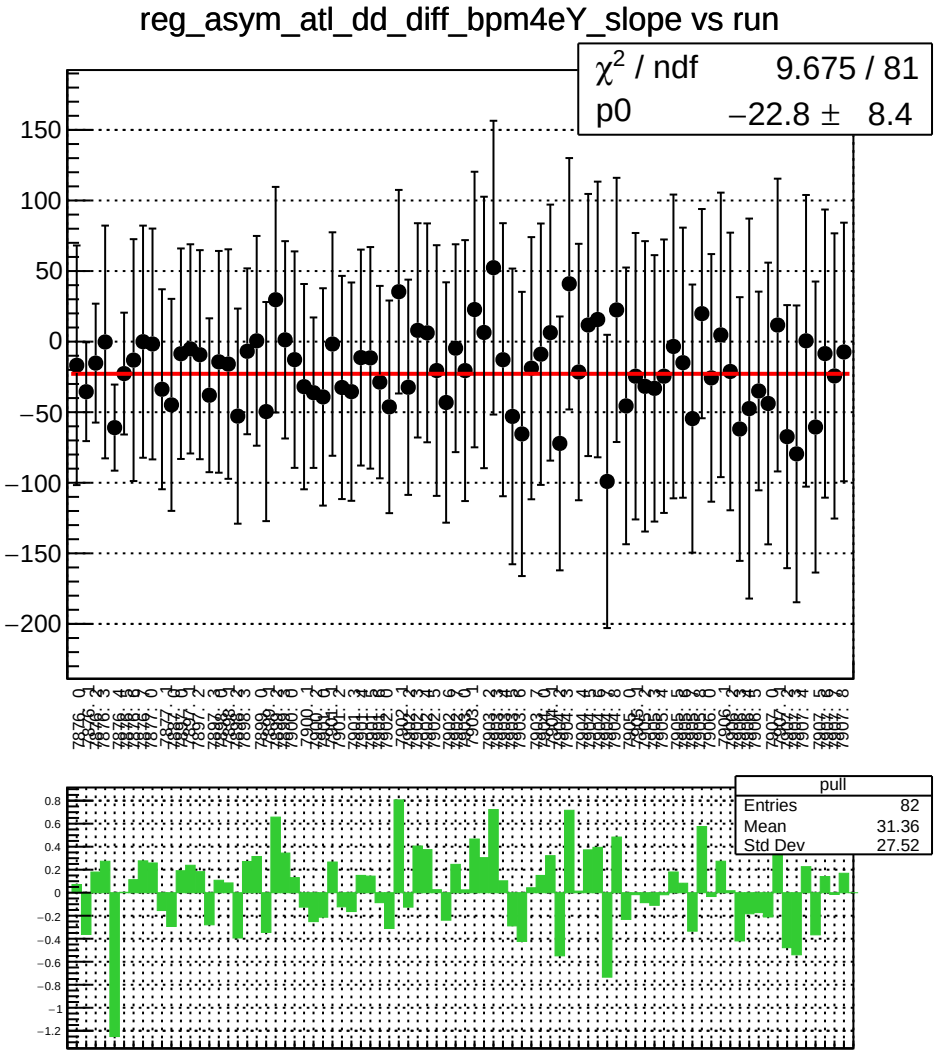

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 230.9 / 81
p0 191.1 ± 6.351
pull
Entries 82
Mean 52.27
Std Dev 6.166

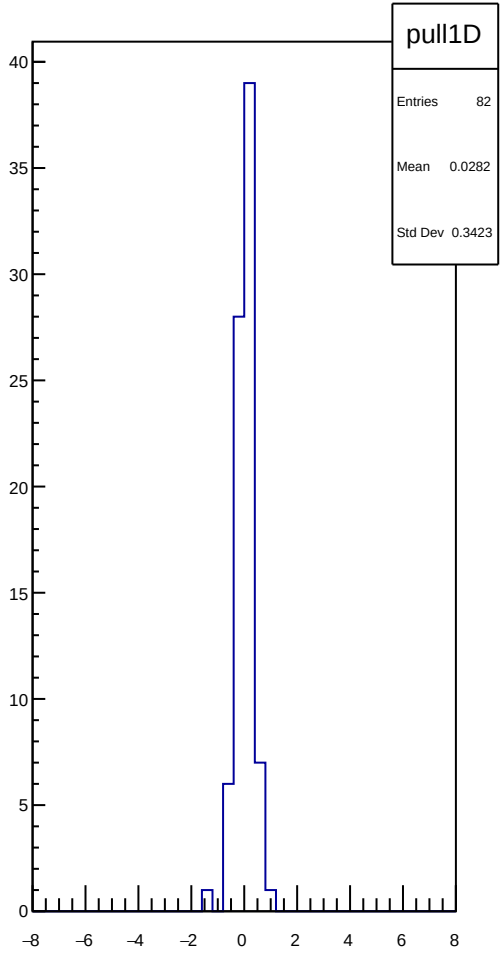

pull1D
Entries 82
Mean −0.6852
Std Dev 1.532

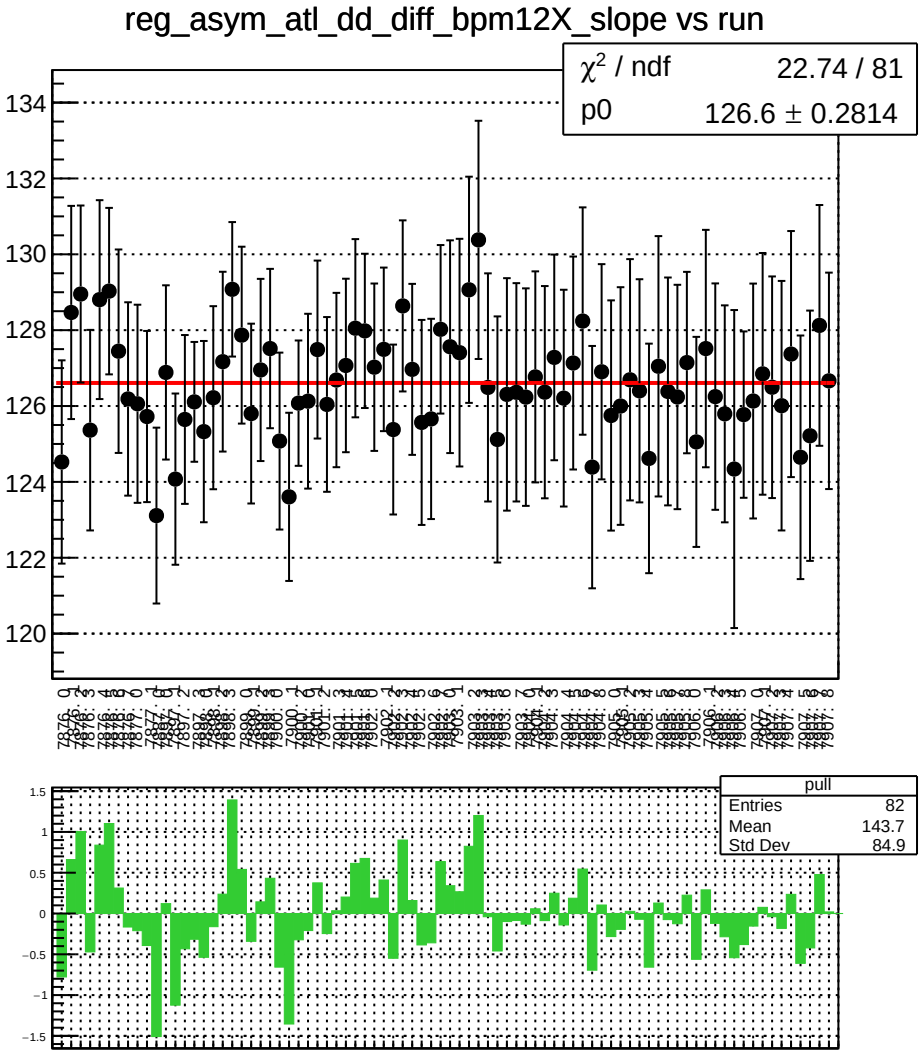

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.87 / 81
p0 −22.94 ± 6.771
pull
Entries 82
Mean −7.176
Std Dev 55.83
pull1D
Entries 82
Mean −0.03349
Std Dev 0.3626

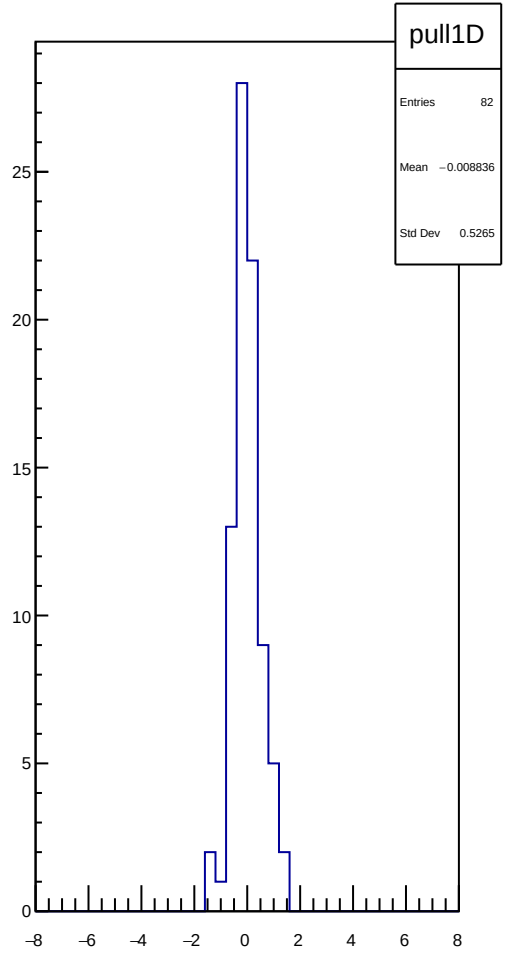

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 326.7 / 81
p0 −128.9 ± 5.132
pull
Entries 82
Mean 52.2
Std Dev 7.685

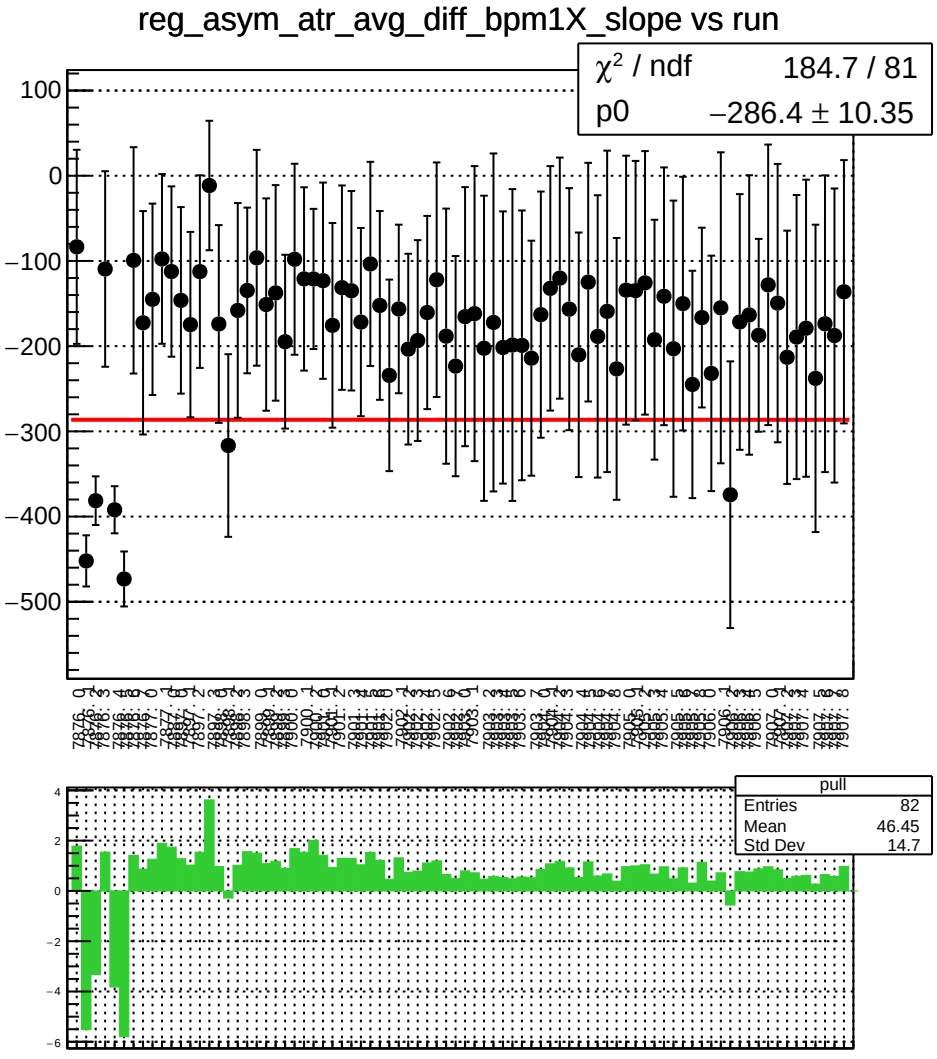

pull1D
Entries 82
Mean 0.9045
Std Dev 1.78

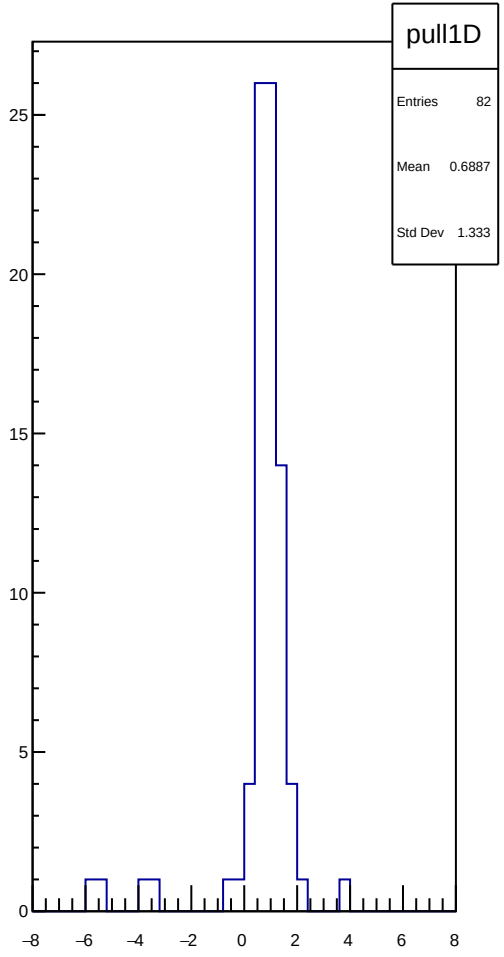

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.675 / 81
p0 −22.8 ± 8.4
pull
Entries 82
Mean 31.36
Std Dev 27.52

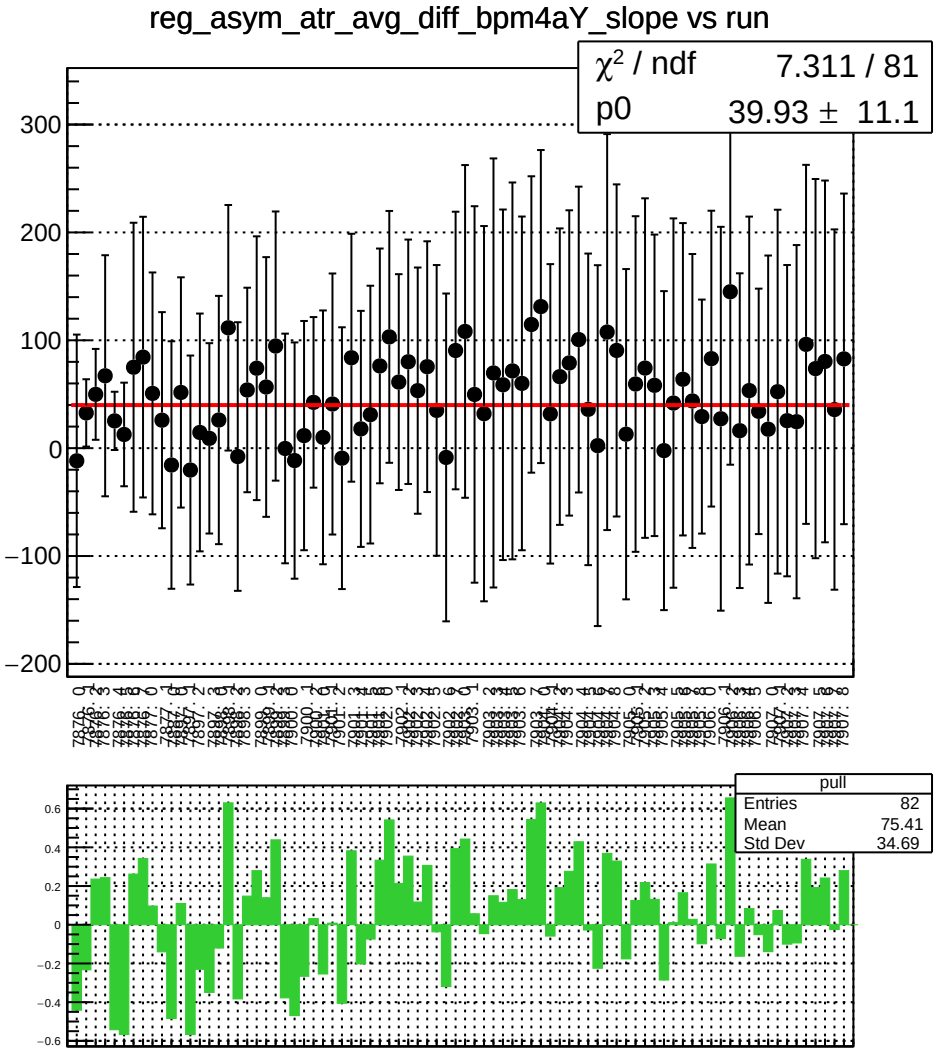

pull1D
Entries 82
Mean 0.0282
Std Dev 0.3423

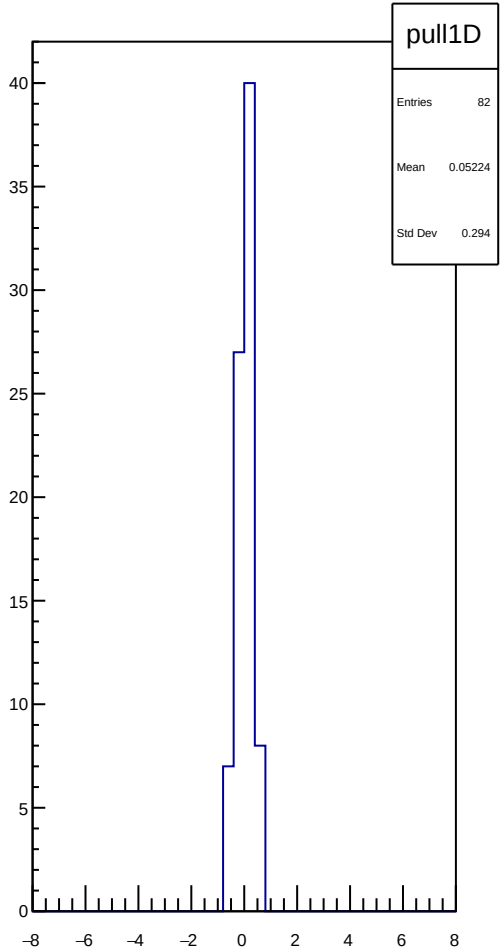

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 22.74 / 81
p0 126.6 ± 0.2814
134
132
130
128
126
124
122
120
pull
Entries 82
Mean 143.7
Std Dev 84.9
1.5
1
0.5
0
−0.5
−1
−1.5

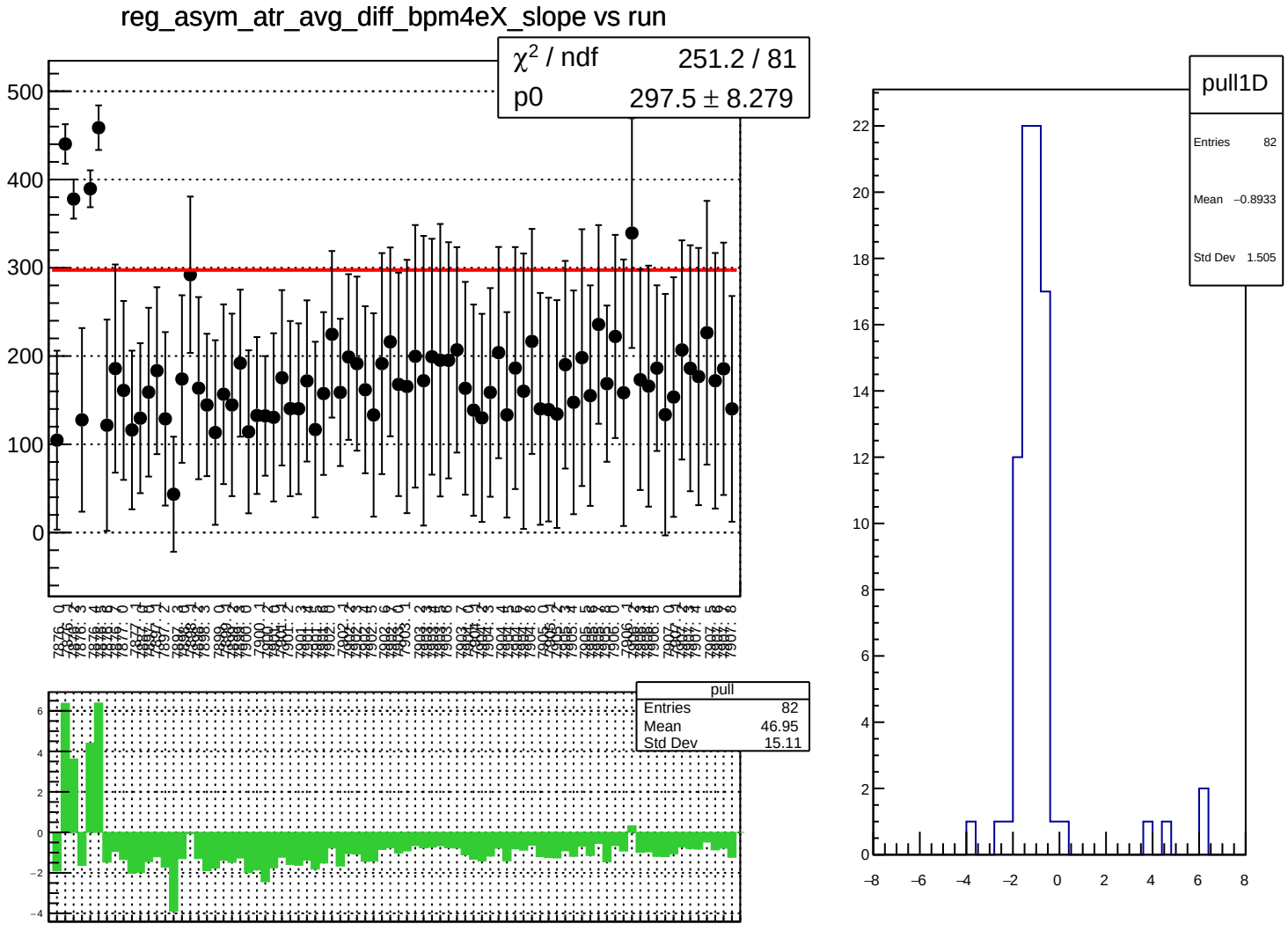

pull1D
Entries 82
Mean −0.008836
Std Dev 0.5265
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

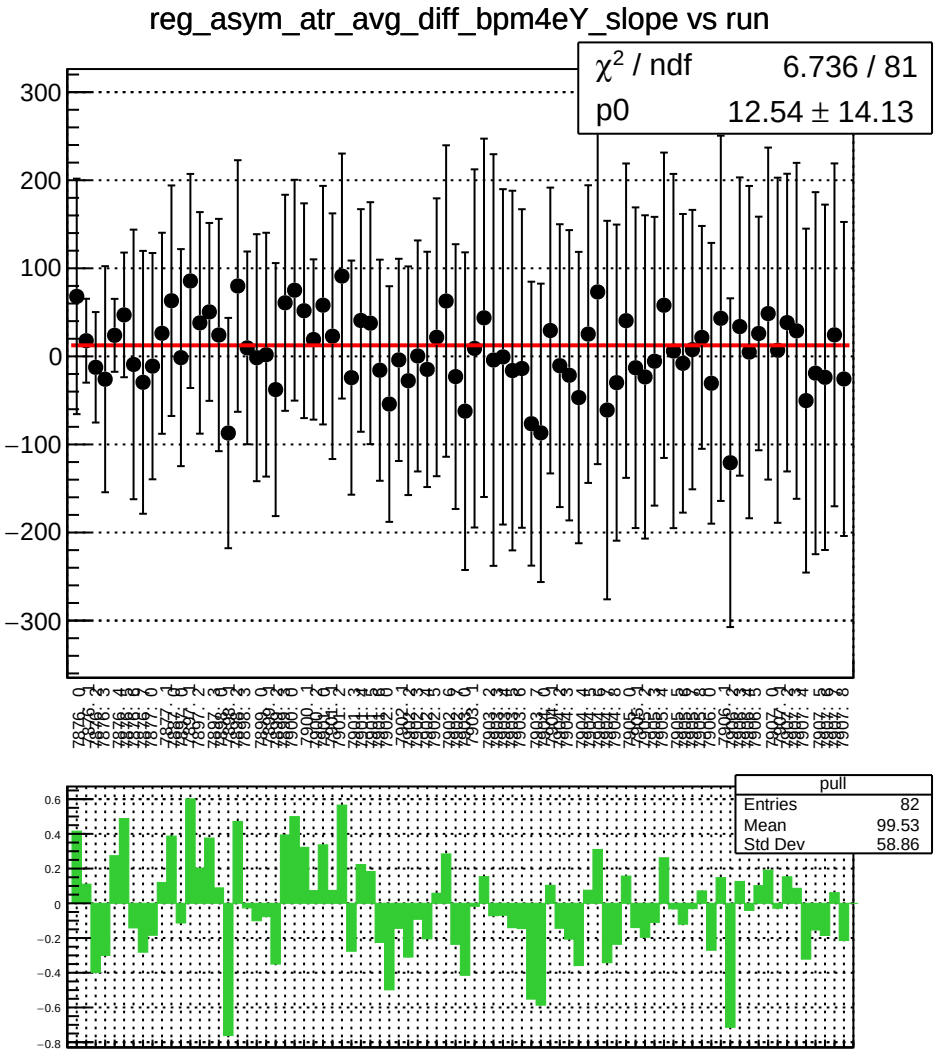

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 184.7 / 81
p0 −286.4 ± 10.35
pull
Entries 82
Mean 46.45
Std Dev 14.7

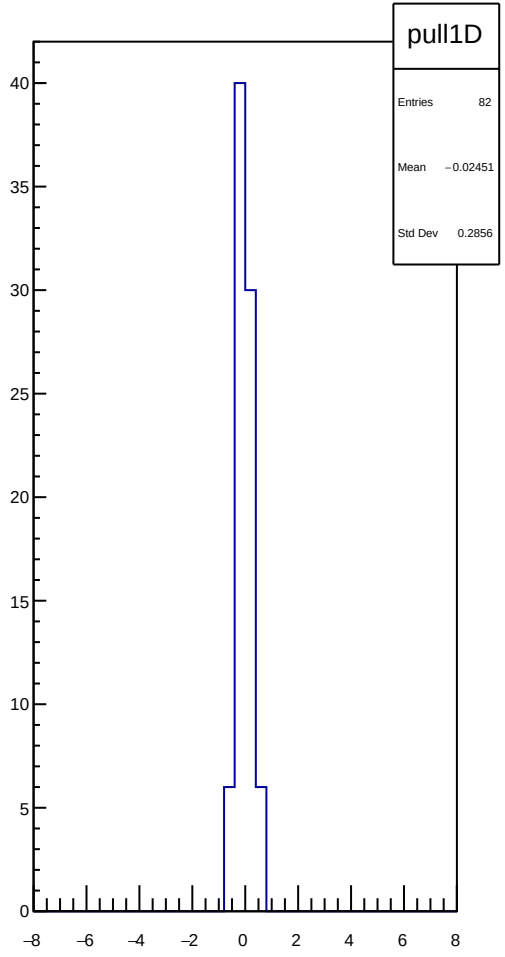

pull1D
Entries 82
Mean 0.6887
Std Dev 1.333

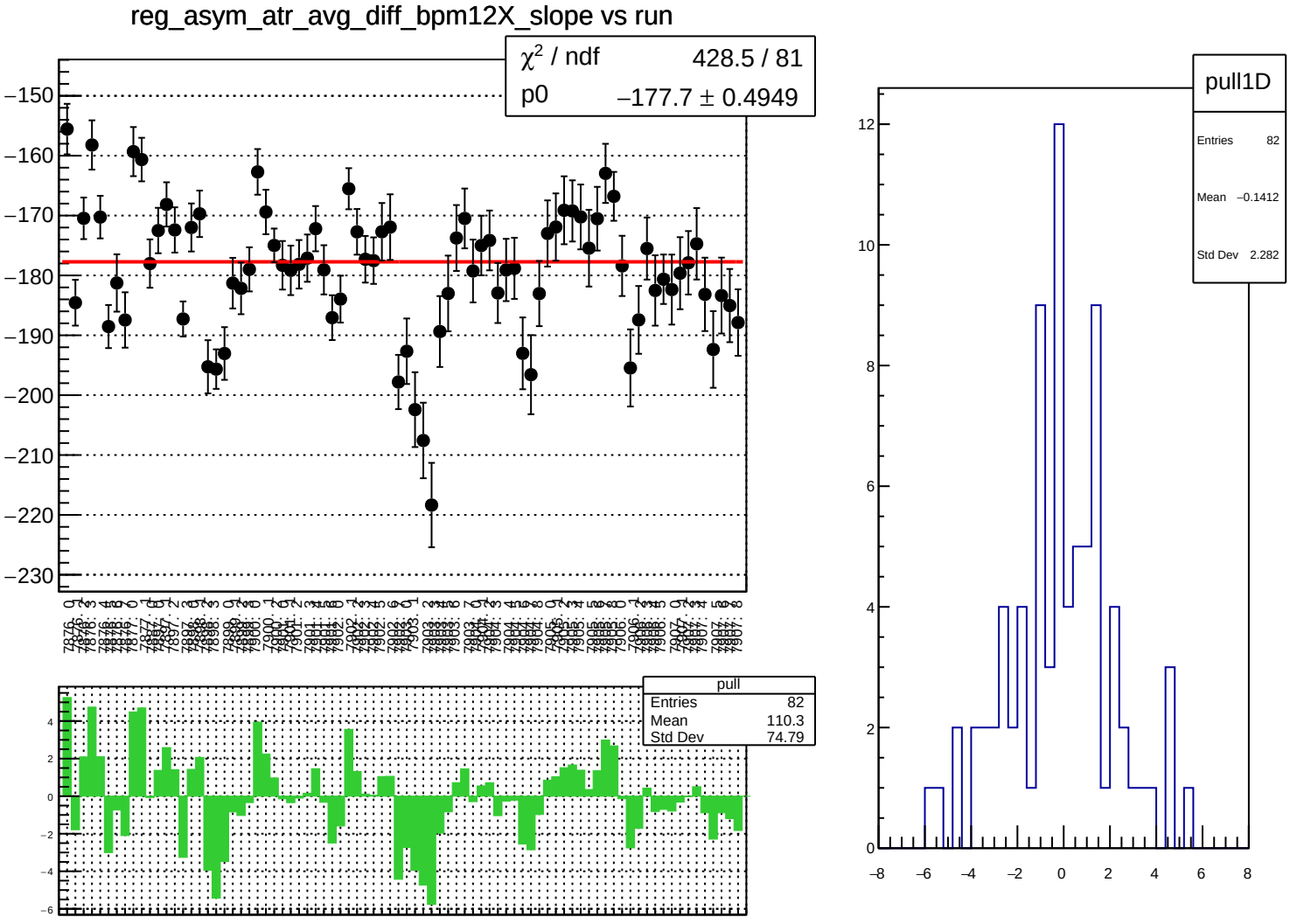

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.311 / 81
p0 39.93 ± 11.1
pull
Entries 82
Mean 75.41
Std Dev 34.69

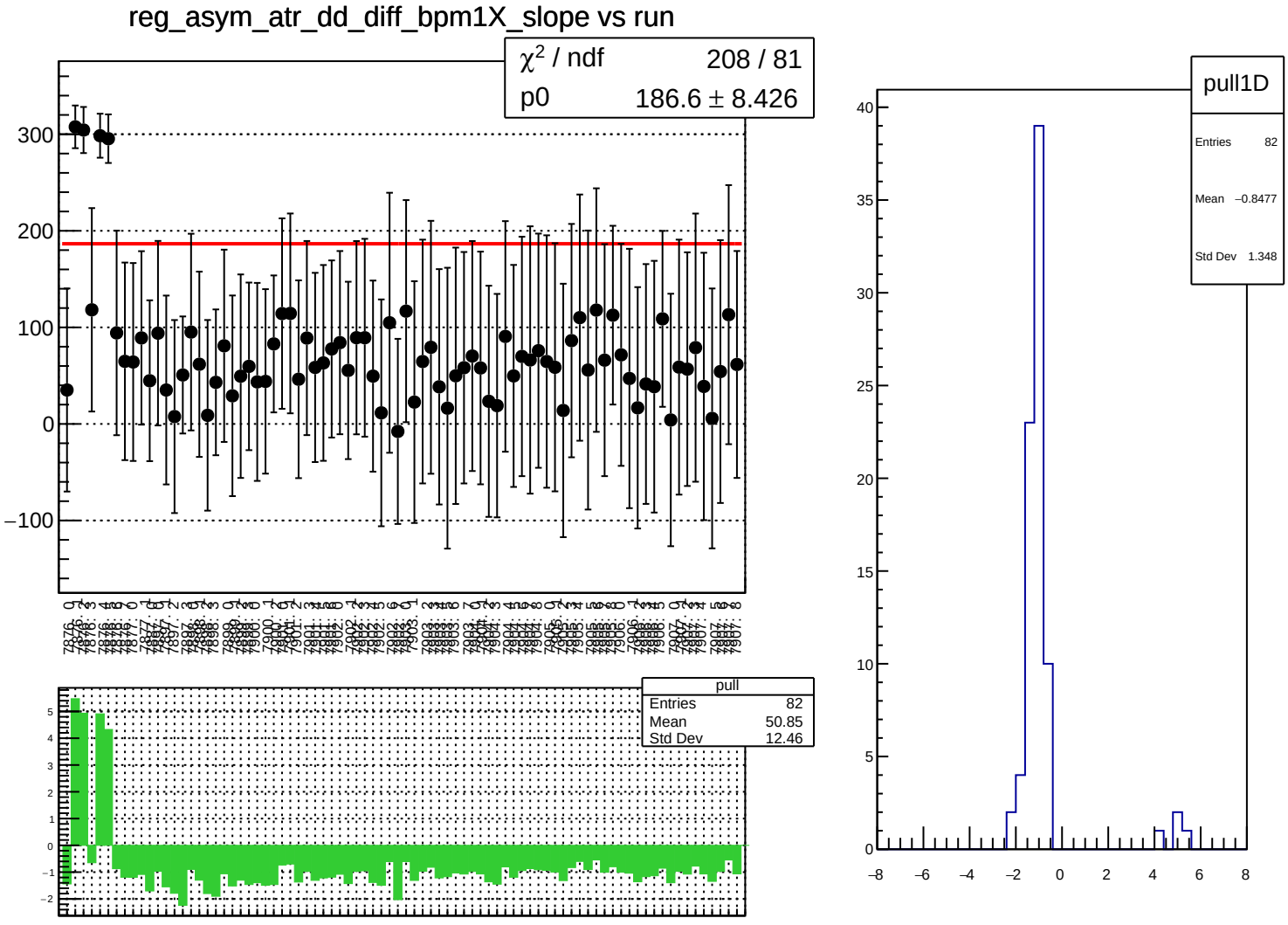

pull1D
Entries 82
Mean 0.05224
Std Dev 0.294

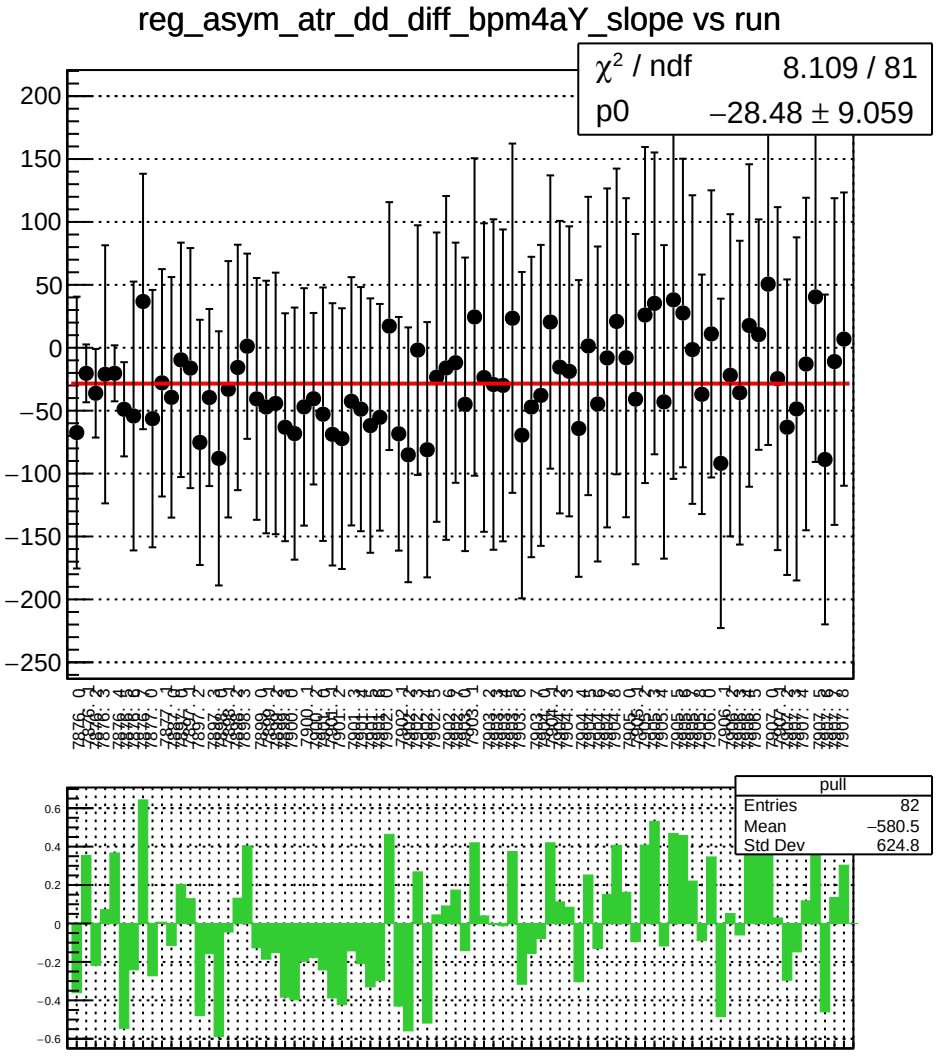

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 251.2 / 81
p0 297.5 ± 8.279
pull
Entries 82
Mean 46.95
Std Dev 15.11
pull1D
Entries 82
Mean −0.8933
Std Dev 1.505

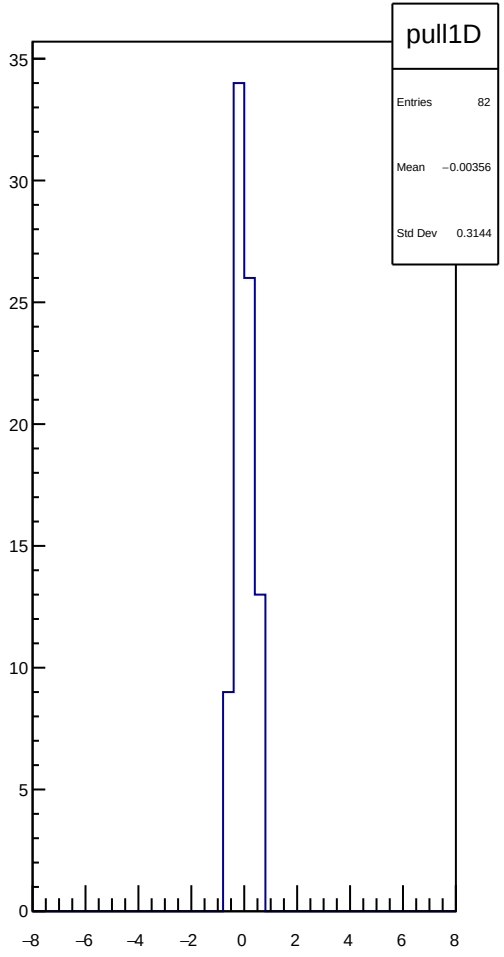

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.736 / 81
p0 12.54 ± 14.13
pull
Entries 82
Mean 99.53
Std Dev 58.86

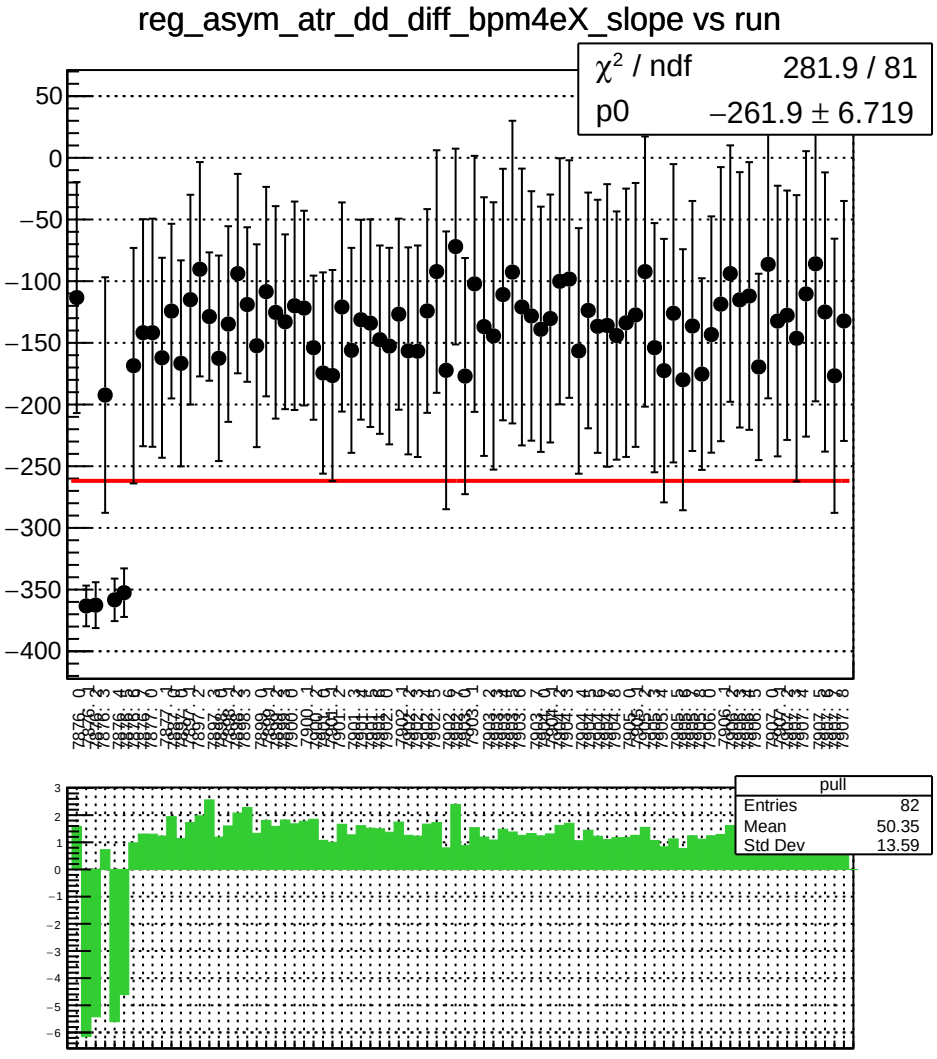

pull1D
Entries 82
Mean −0.02451
Std Dev 0.2856

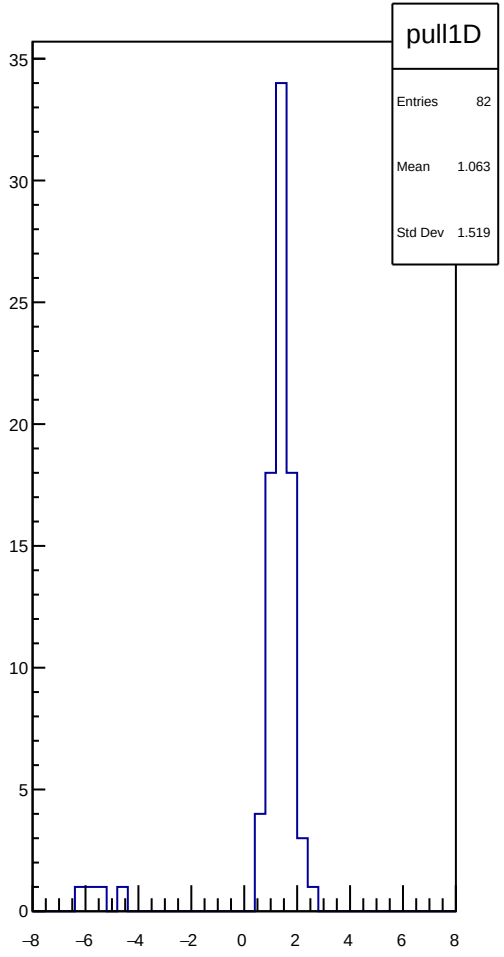

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 428.5 / 81
p0 −177.7 ± 0.4949
pull
Entries 82
Mean 110.3
Std Dev 74.79
pull1D
Entries 82
Mean −0.1412
Std Dev 2.282

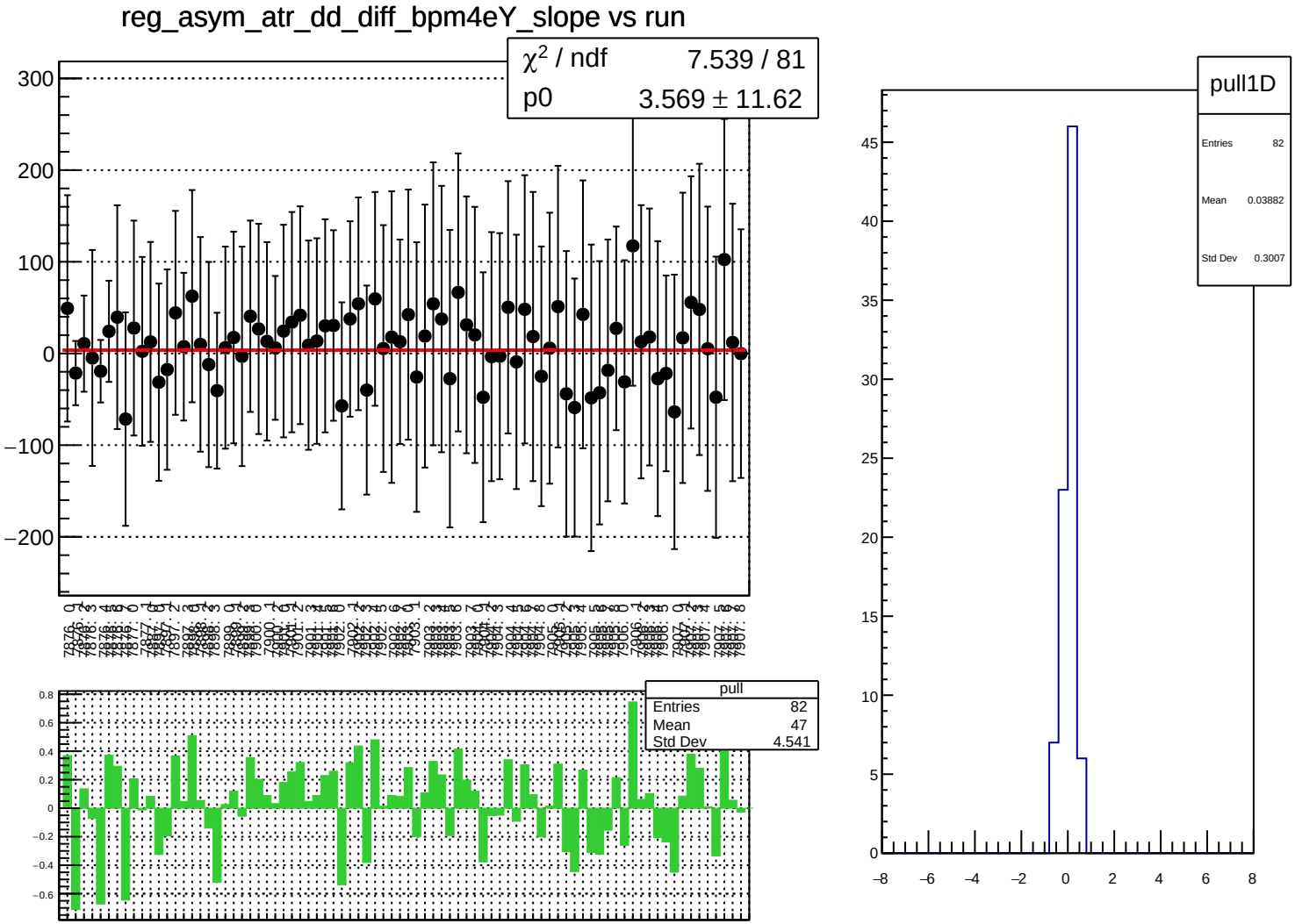

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 208 / 81
p0 186.6 ± 8.426
pull
Entries 82
Mean 50.85
Std Dev 12.46
pull1D
Entries 82
Mean −0.8477
Std Dev 1.348

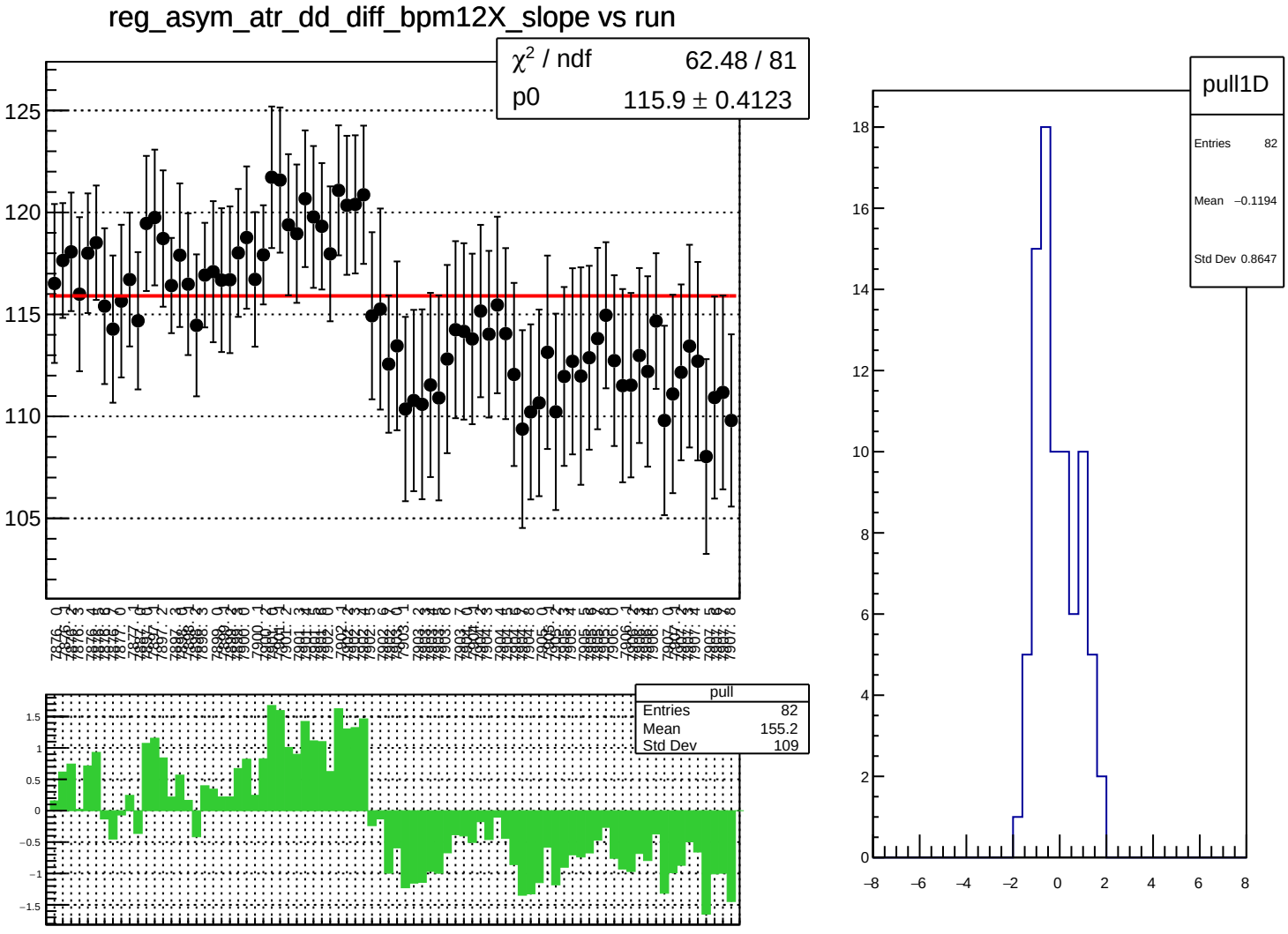

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.109 / 81
p0 −28.48 ± 9.059
pull
Entries 82
Mean −580.5
Std Dev 624.8

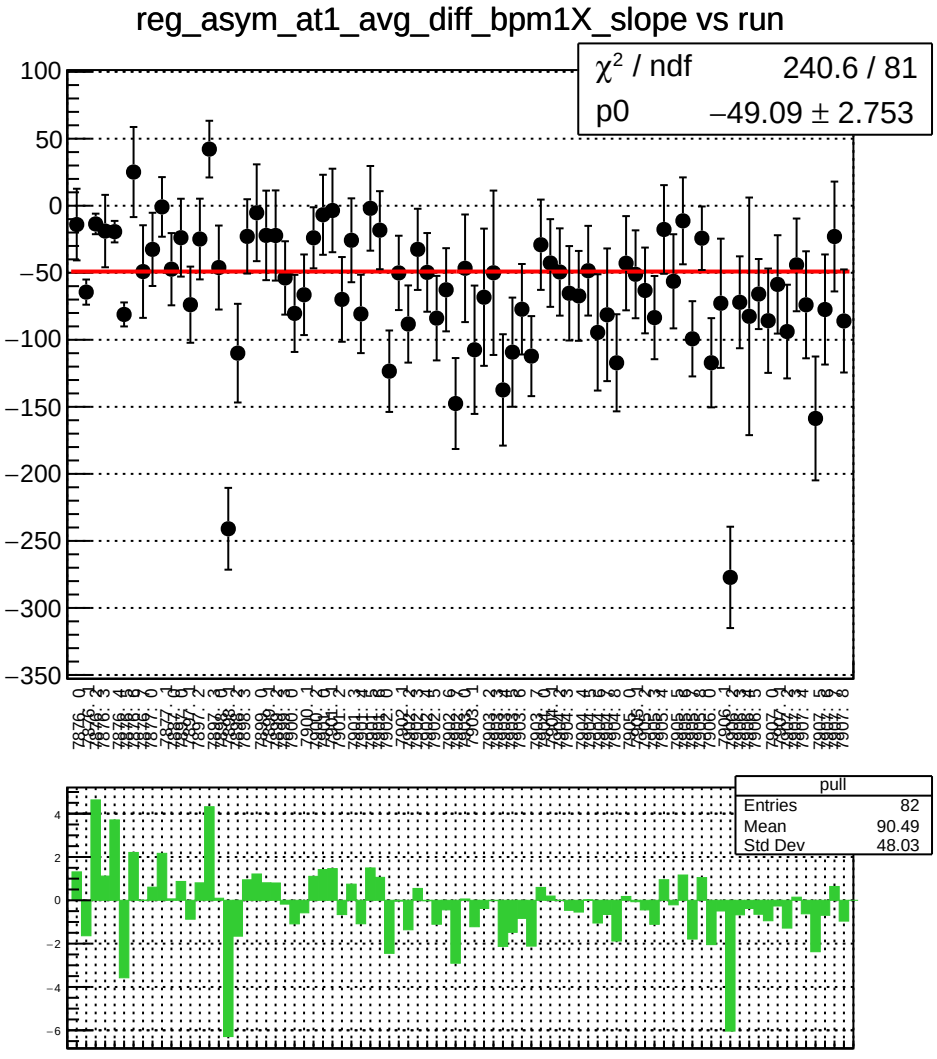

pull1D
Entries 82
Mean −0.00356
Std Dev 0.3144

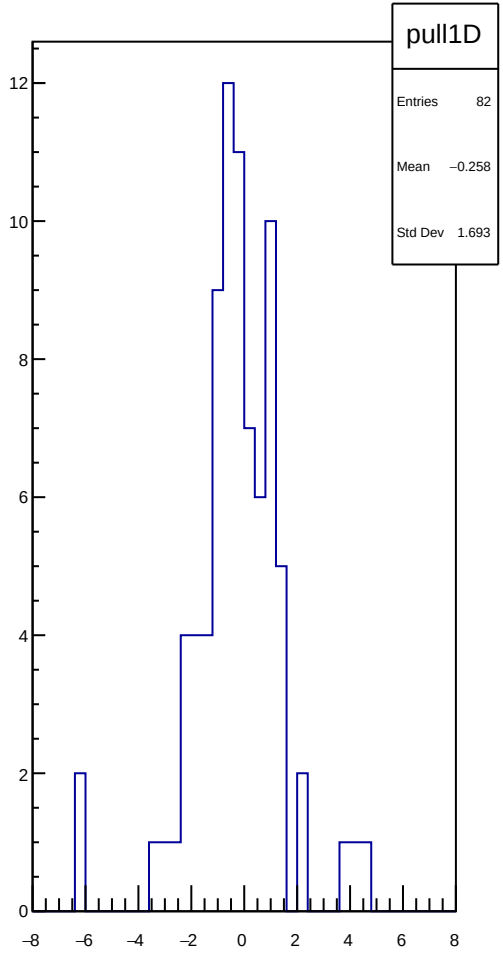

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 281.9 / 81
p0 −261.9 ± 6.719
pull
Entries 82
Mean 50.35
Std Dev 13.59

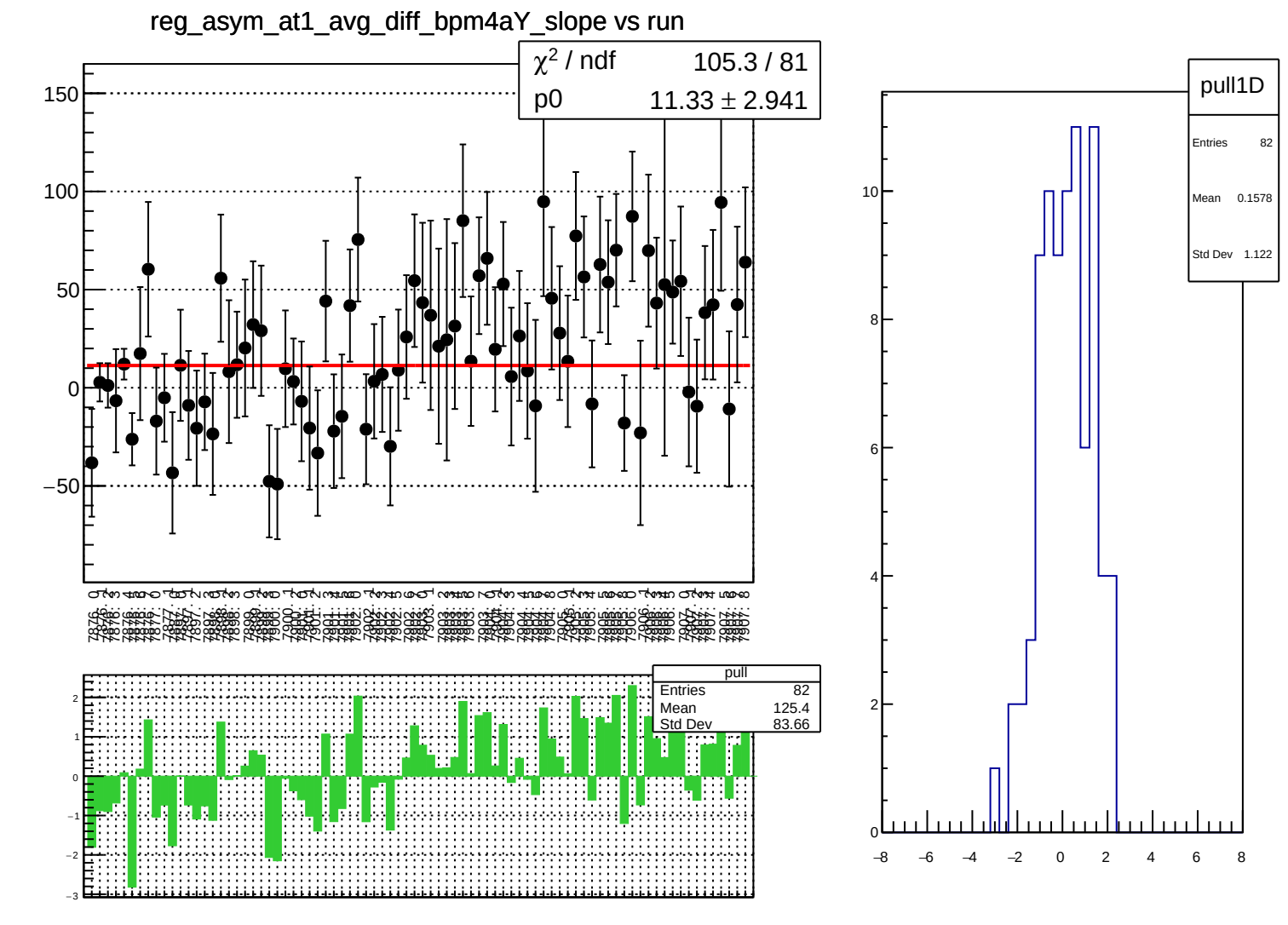

pull1D
Entries 82
Mean 1.063
Std Dev 1.519

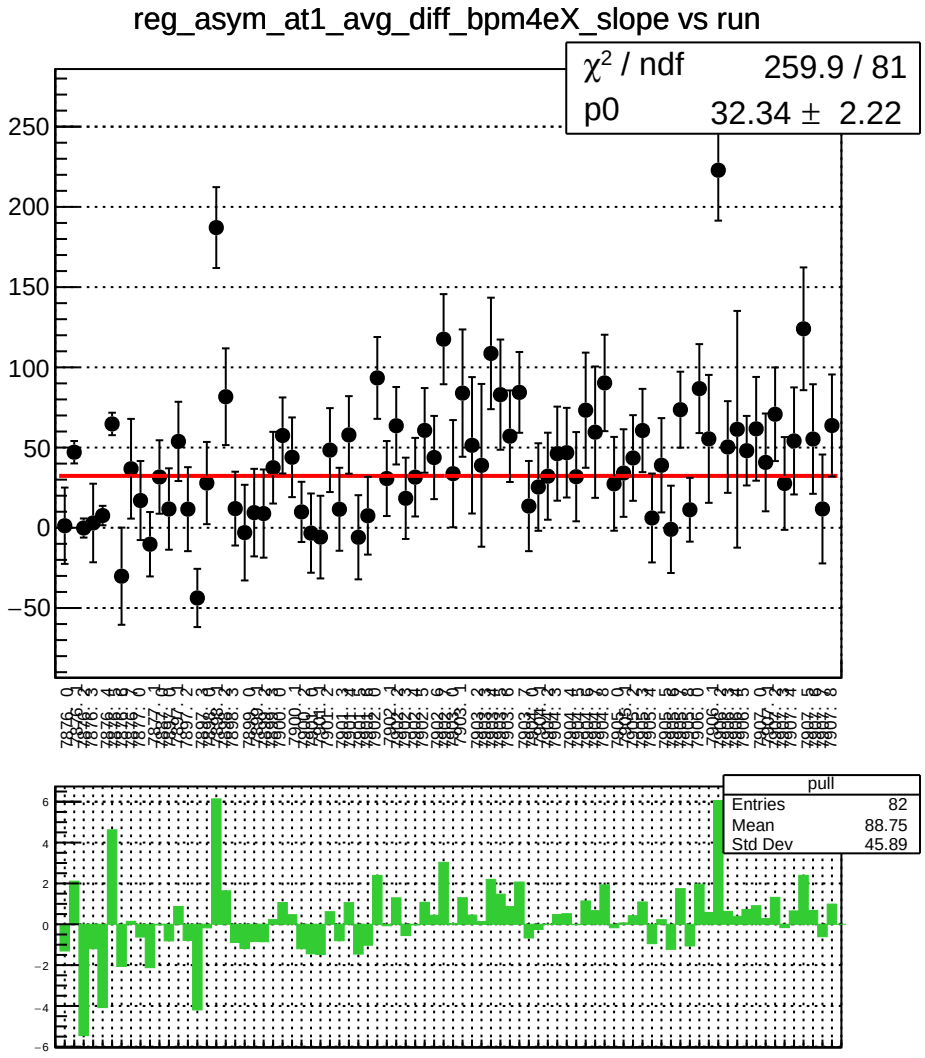

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.539 / 81
p0 3.569 ± 11.62
pull
Entries 82
Mean 47
Std Dev 4.541
pull1D
Entries 82
Mean 0.03882
Std Dev 0.3007

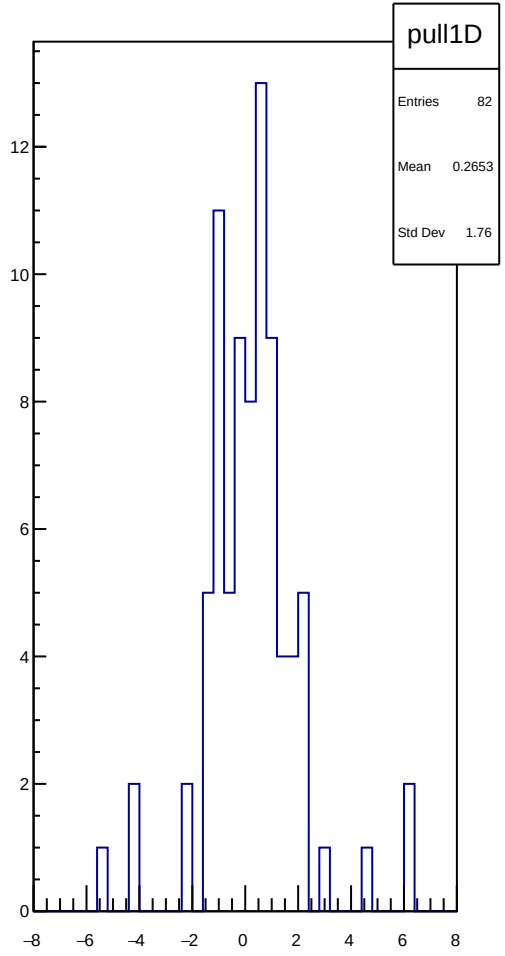

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 62.48 / 81
p0 115.9 ± 0.4123
pull
Entries 82
Mean 155.2
Std Dev 109
pull1D
Entries 82
Mean −0.1194
Std Dev 0.8647

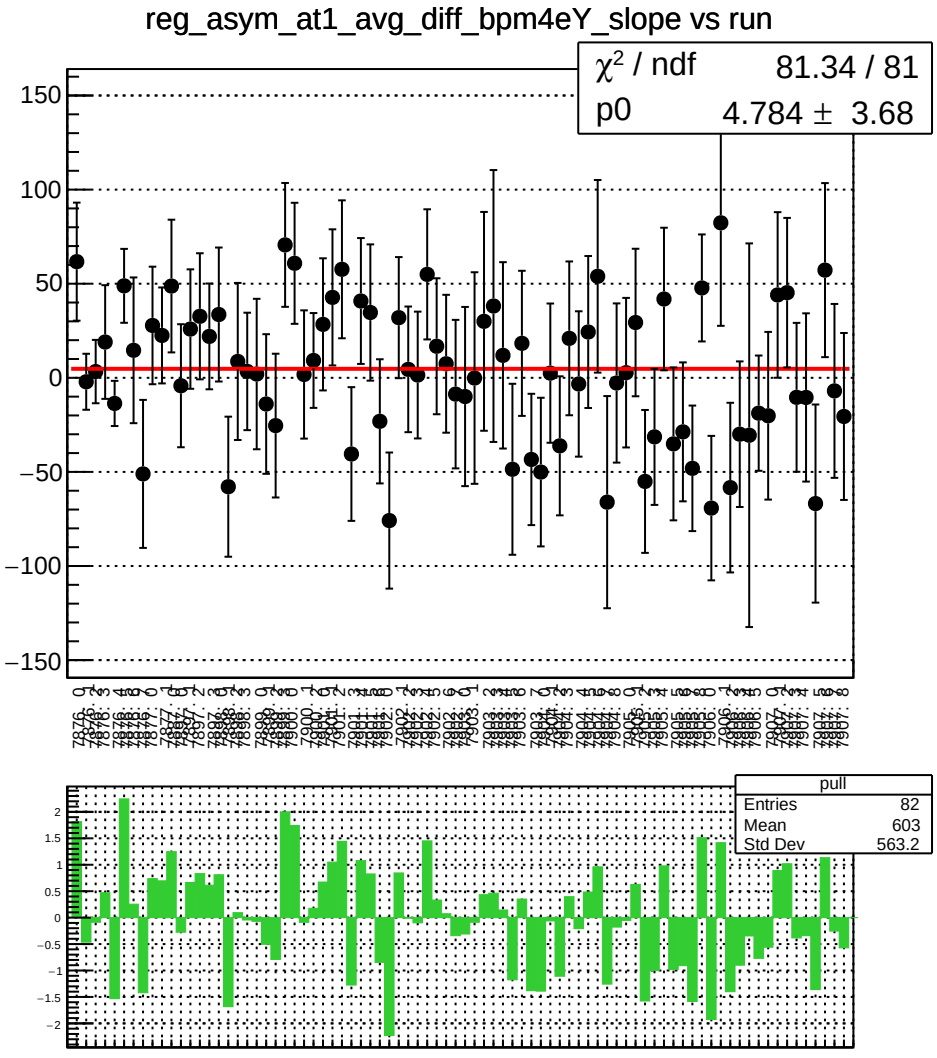

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 240.6 / 81
p0 −49.09 ± 2.753
pull
Entries 82
Mean 90.49
Std Dev 48.03

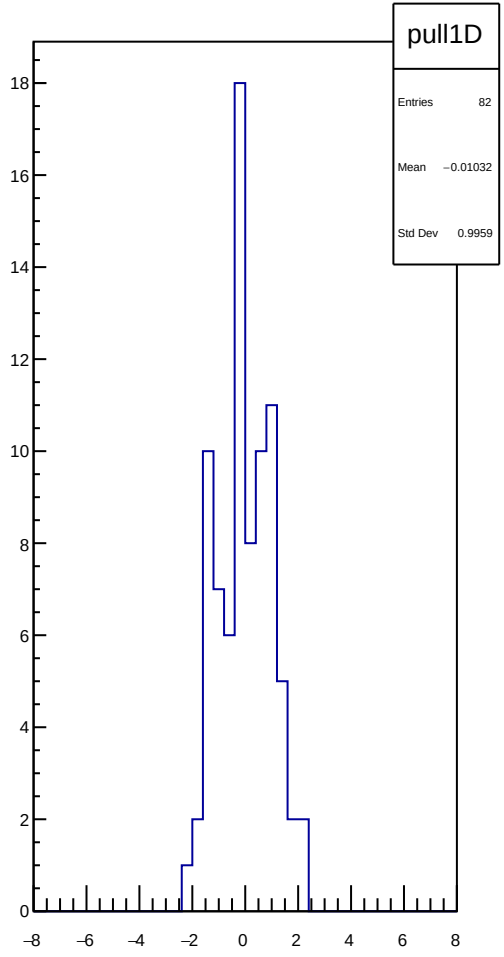

pull1D
Entries 82
Mean −0.258
Std Dev 1.693

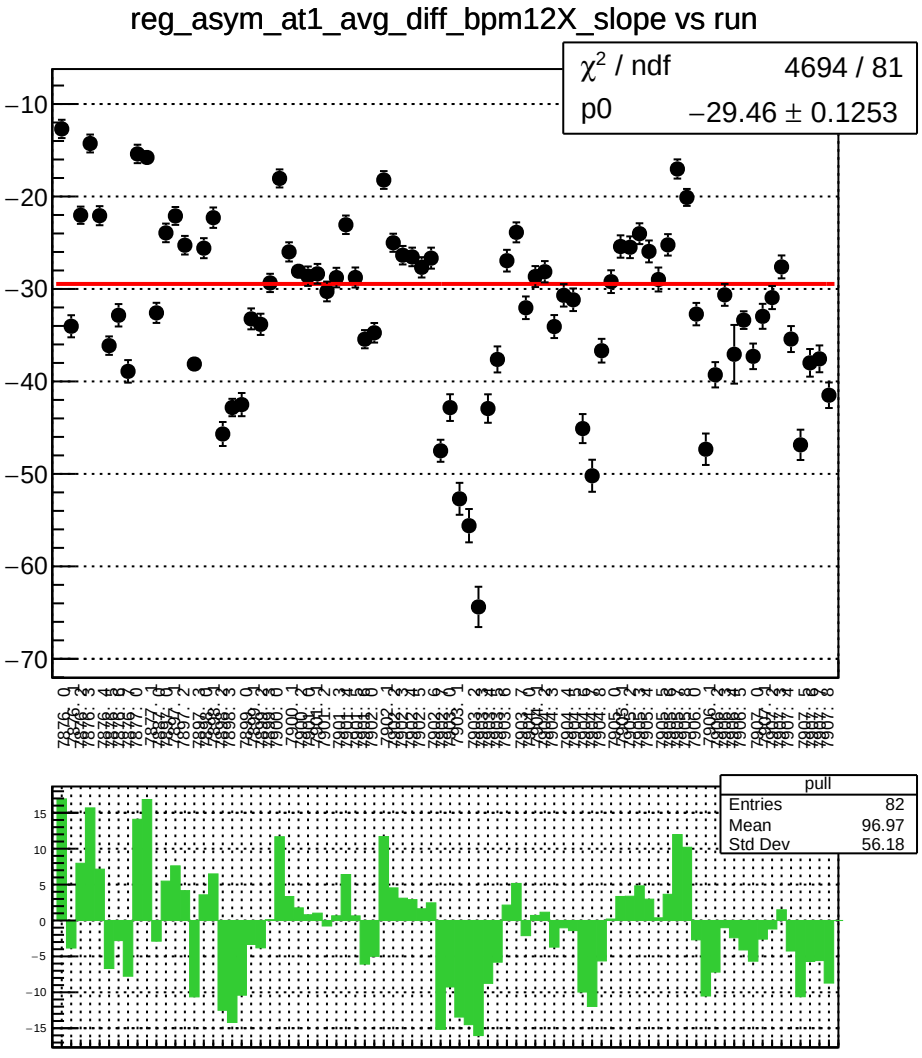

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.3 / 81
p0 11.33 ± 2.941
150
100
50
0
−50
pull
Entries 82
Mean 125.4
Std Dev 83.66
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.1578
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

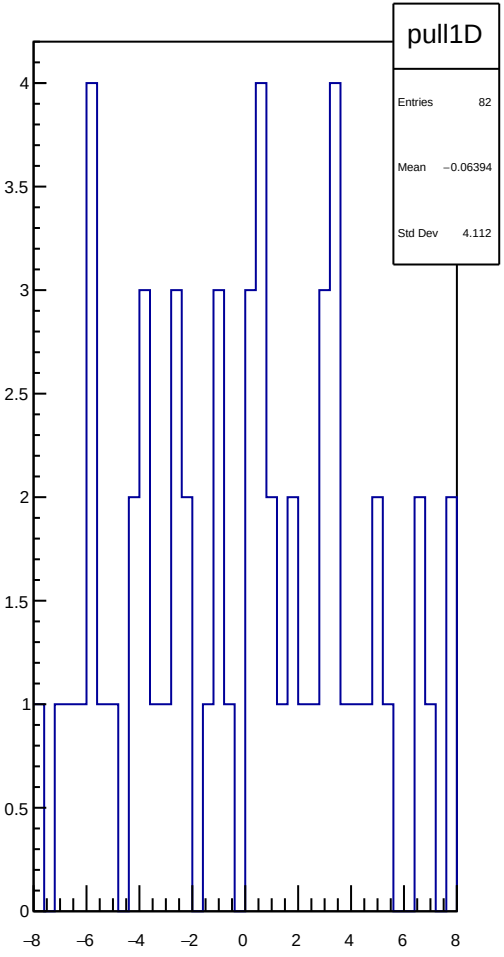

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 259.9 / 81
p0 32.34 ± 2.22
pull
Entries 82
Mean 88.75
Std Dev 45.89

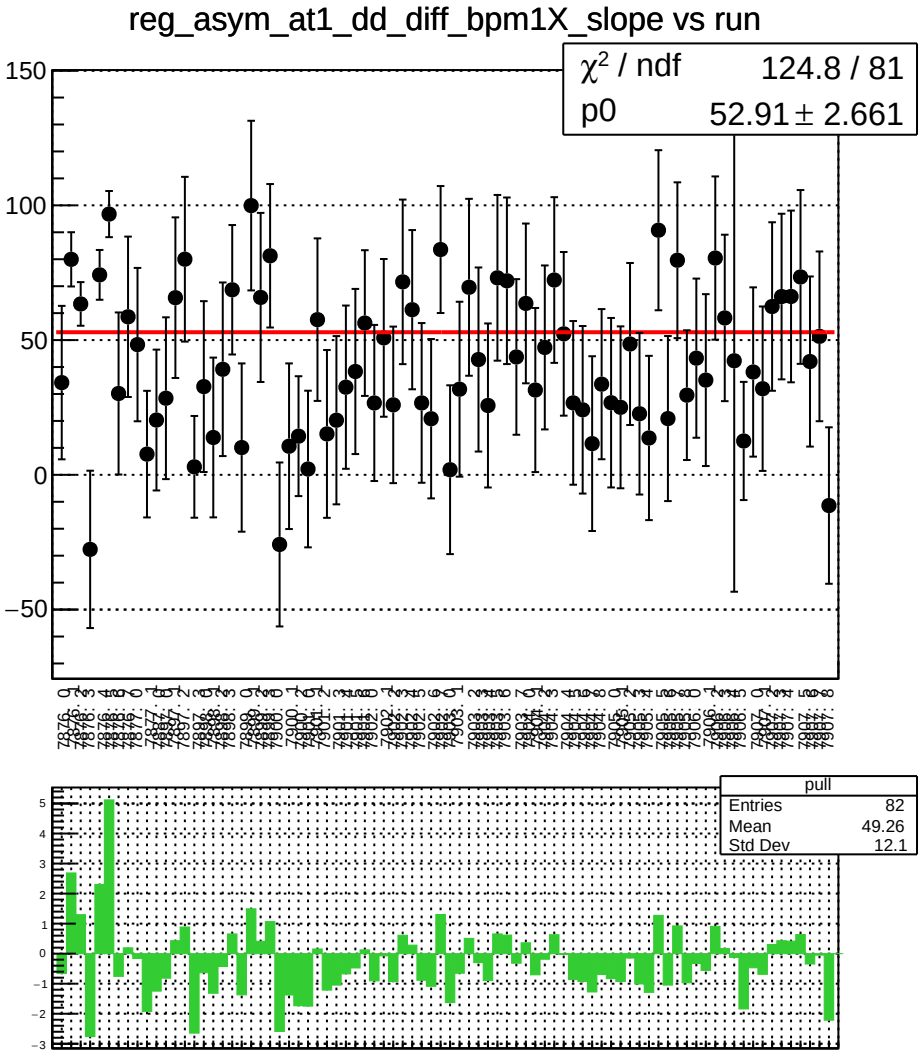

pull1D
Entries 82
Mean 0.2653
Std Dev 1.76

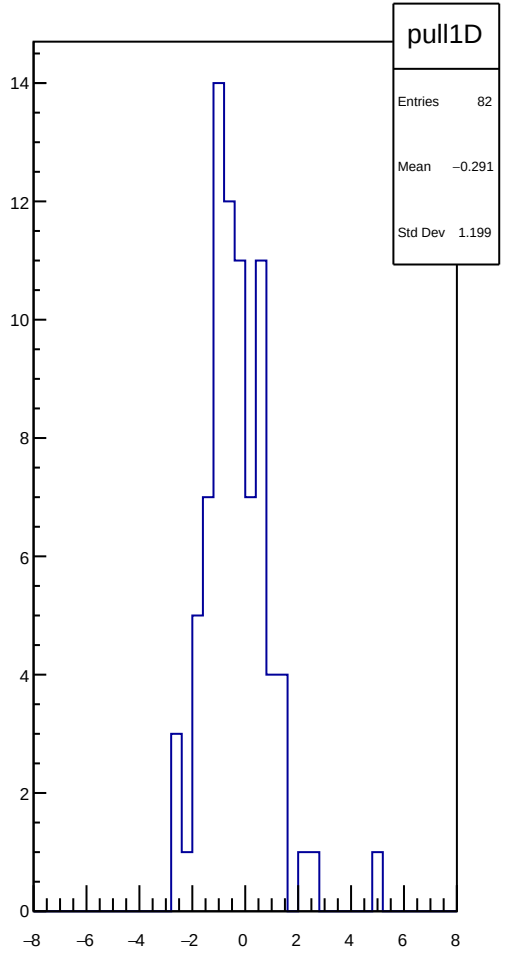

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 81.34 / 81
p0 4.784 ± 3.68
pull
Entries 82
Mean 603
Std Dev 563.2

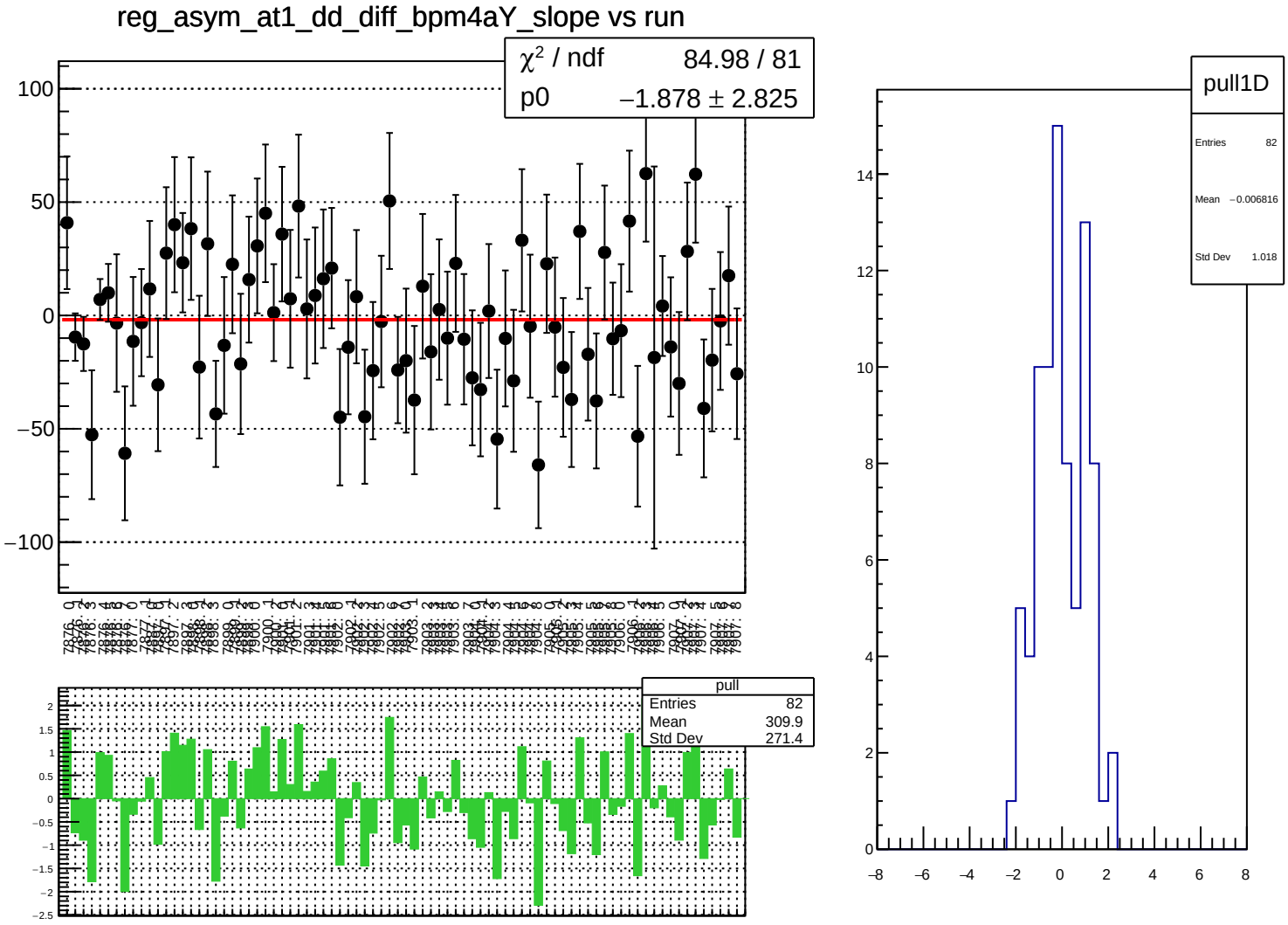

pull1D
Entries 82
Mean −0.01032
Std Dev 0.9959

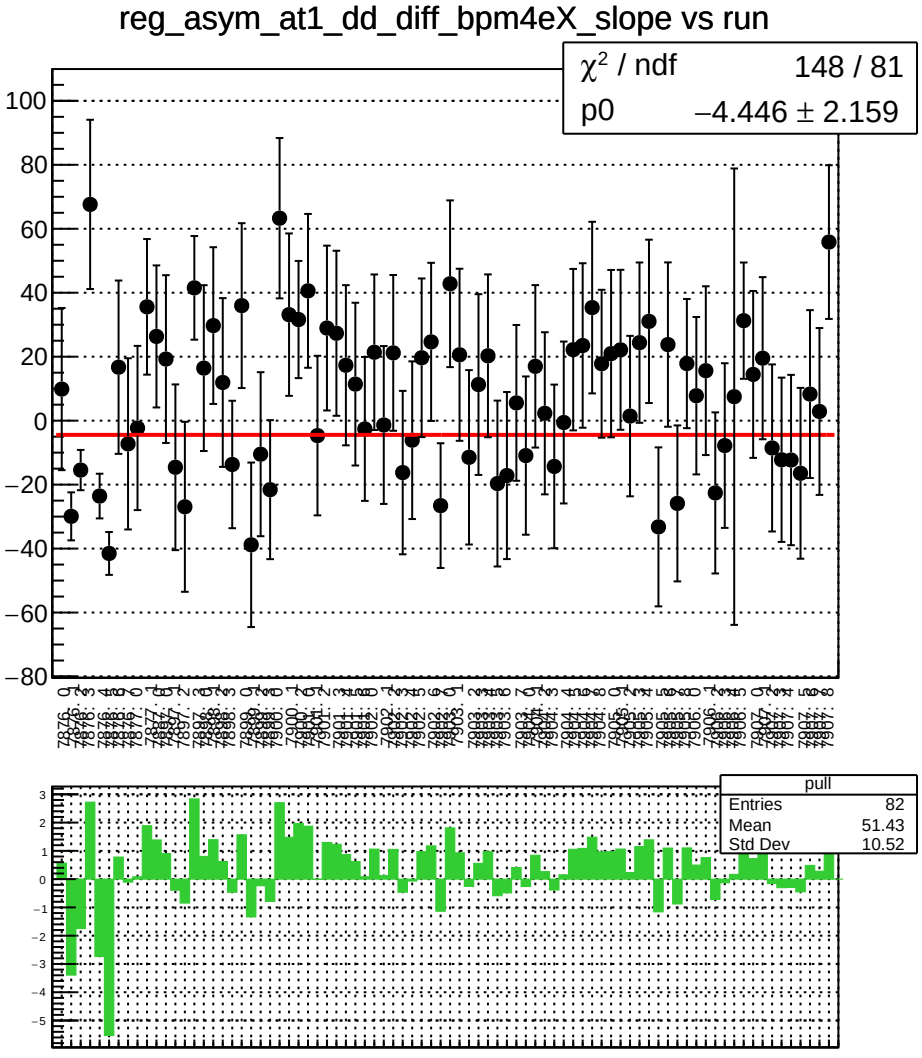

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4694 / 81
p0 −29.46 ± 0.1253
pull
Entries 82
Mean 96.97
Std Dev 56.18

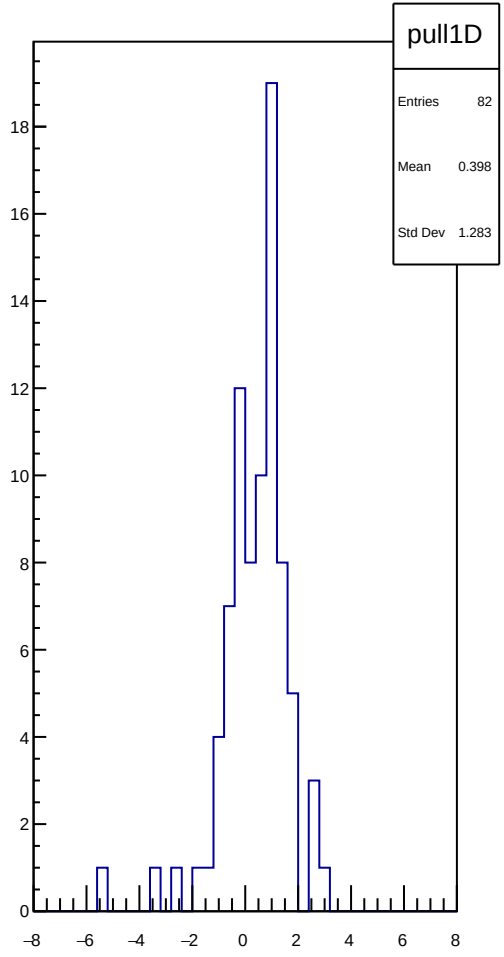

pull1D
Entries 82
Mean −0.06394
Std Dev 4.112

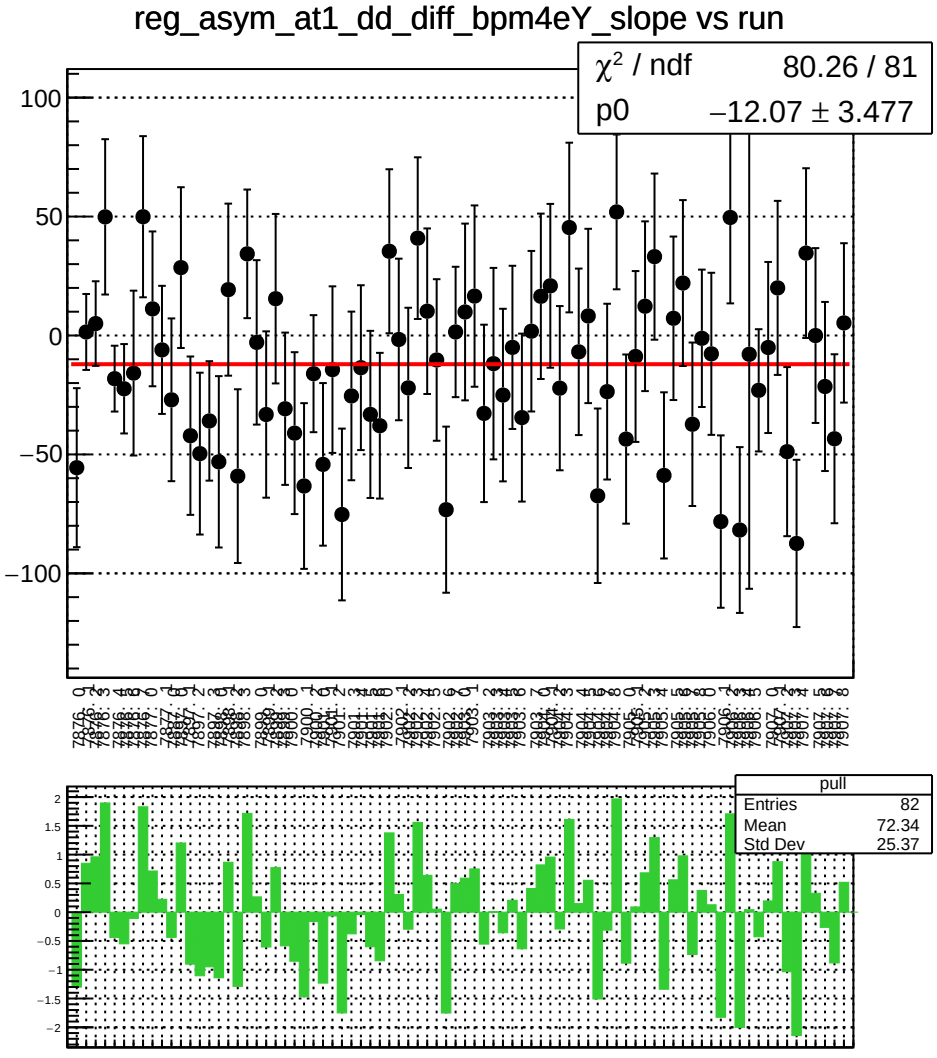

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 124.8 / 81
p0 52.91 ± 2.661
150
100
50
0
−50
pull
Entries 82
Mean 49.26
Std Dev 12.1
5
4
3
2
1
0
−1
−2
−3

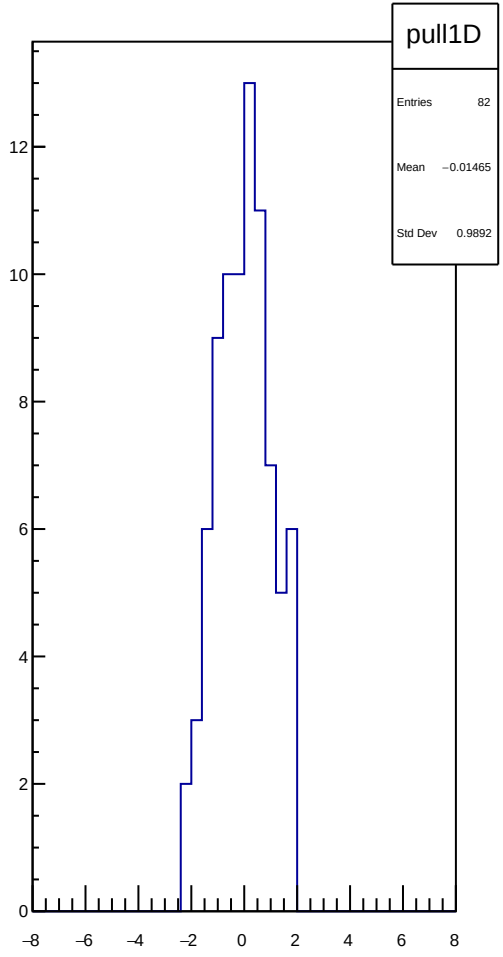

pull1D
Entries 82
Mean −0.291
Std Dev 1.199
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

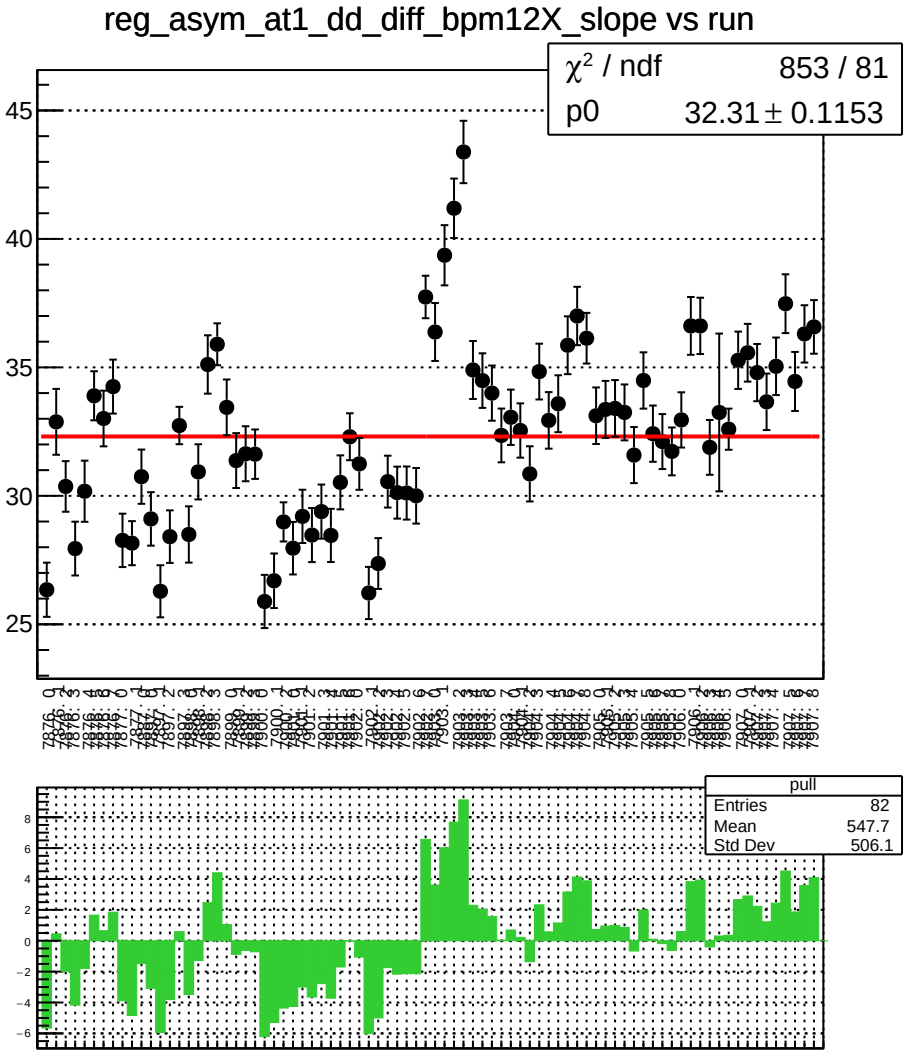

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.98 / 81
p0 −1.878 ± 2.825
pull
Entries 82
Mean 309.9
Std Dev 271.4
pull1D
Entries 82
Mean −0.006816
Std Dev 1.018

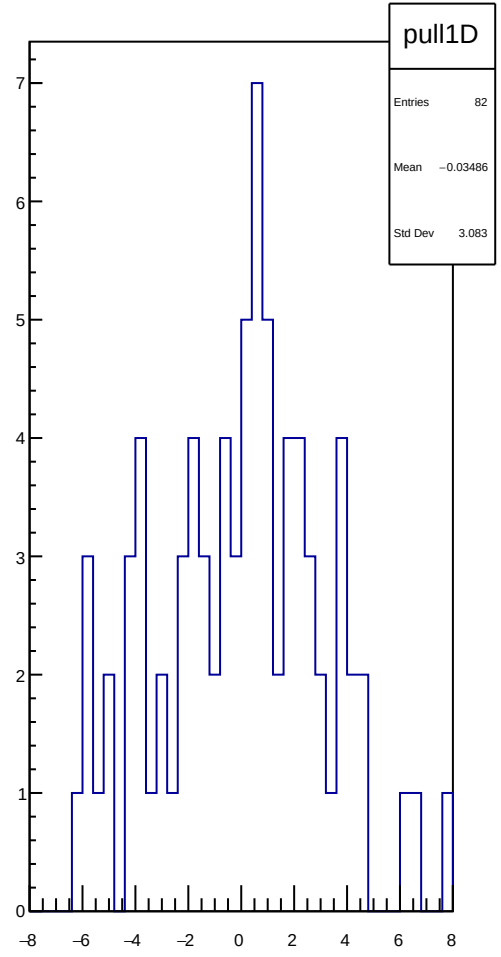

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 148 / 81
p0 −4.446 ± 2.159
pull
Entries 82
Mean 51.43
Std Dev 10.52

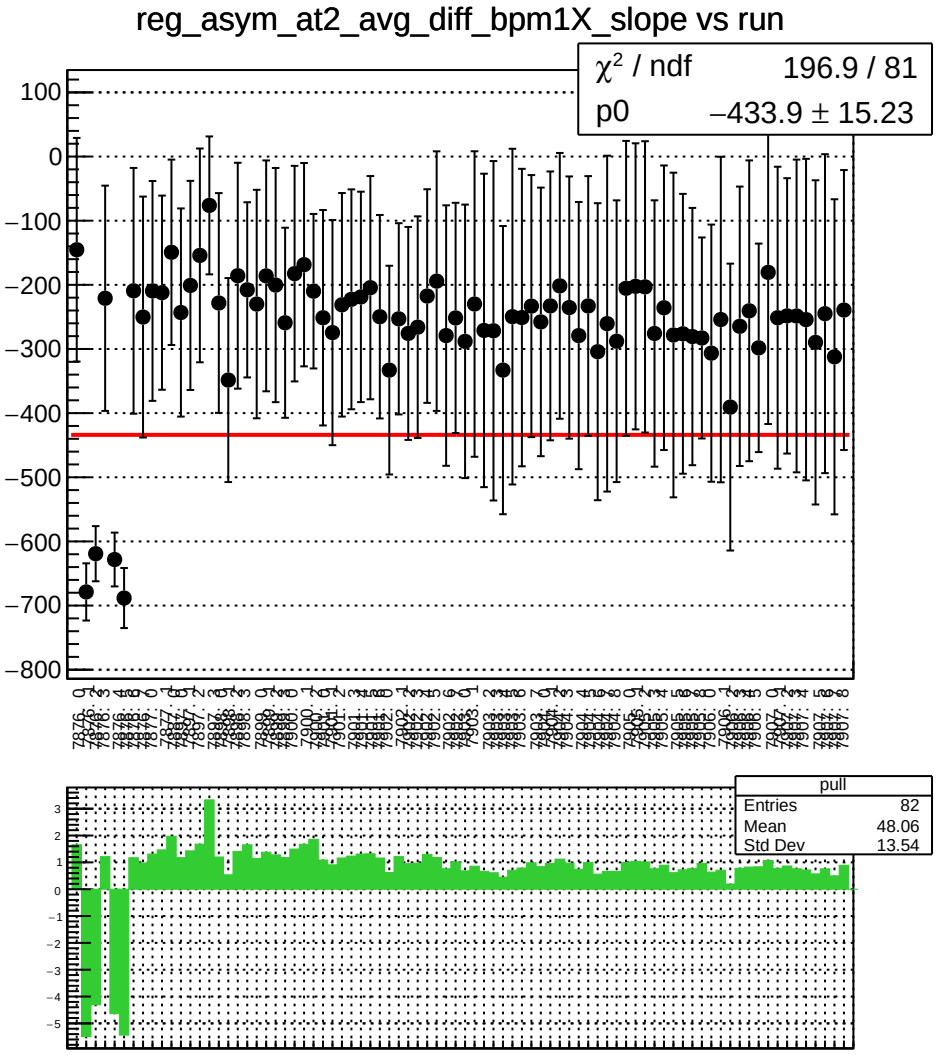

pull1D
Entries 82
Mean 0.398
Std Dev 1.283

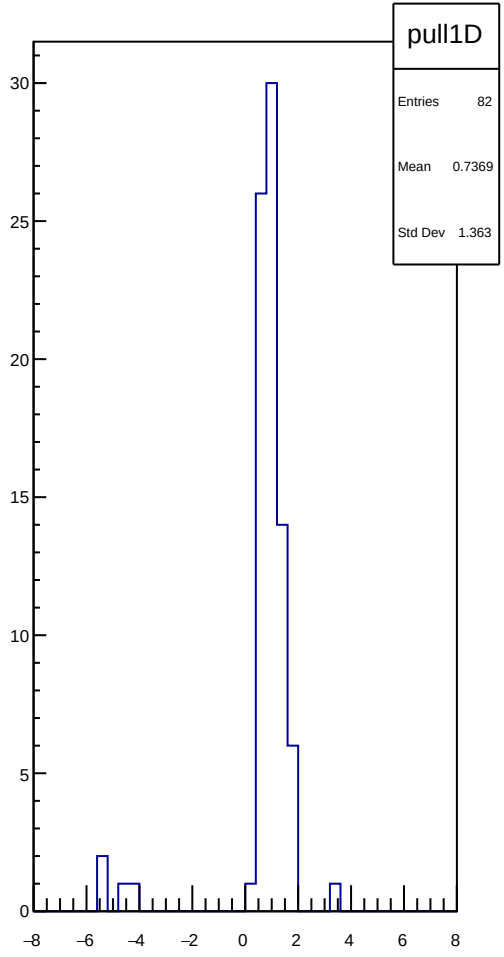

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 80.26 / 81
p0 −12.07 ± 3.477
pull
Entries 82
Mean 72.34
Std Dev 25.37

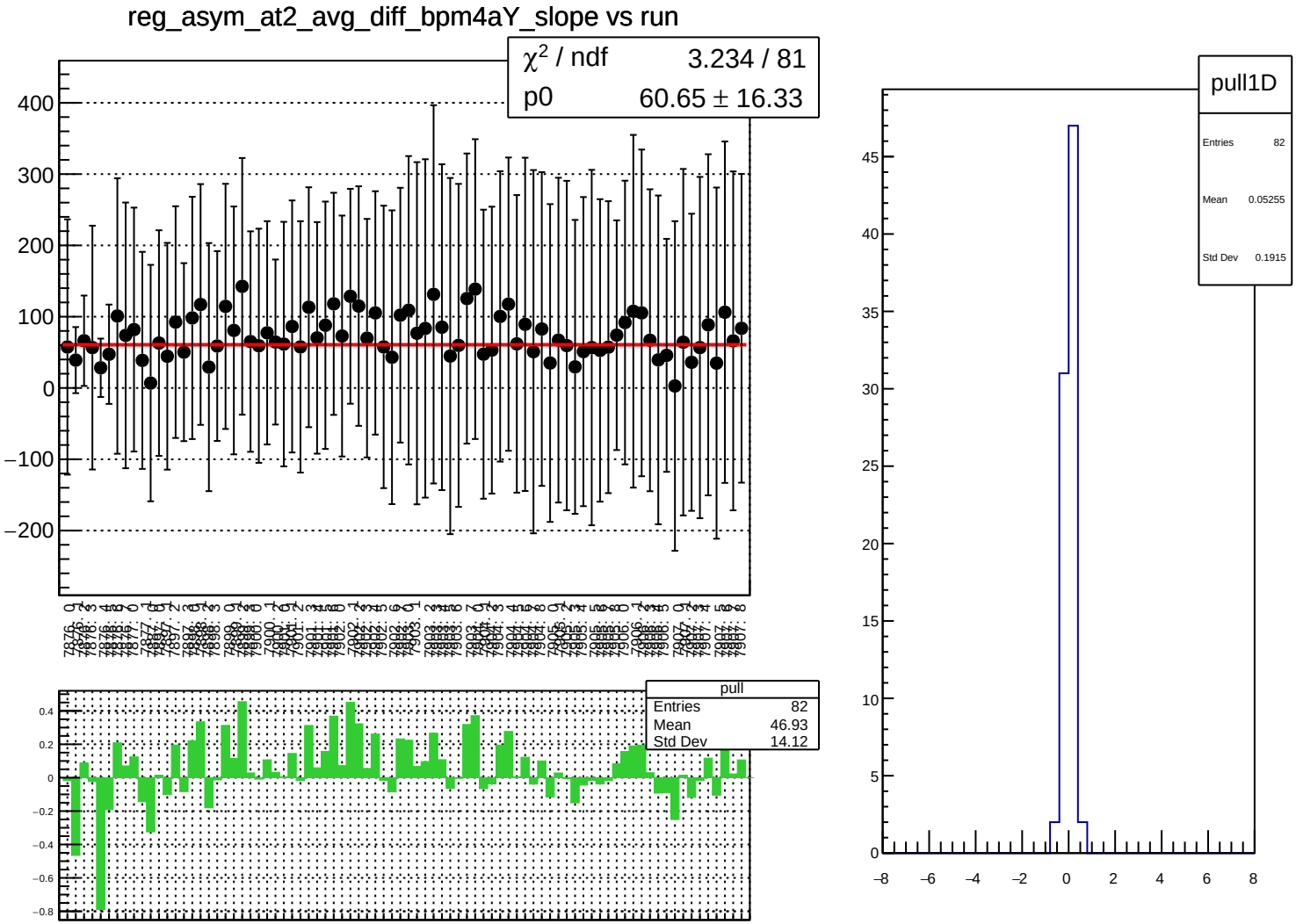

pull1D
Entries 82
Mean −0.01465
Std Dev 0.9892

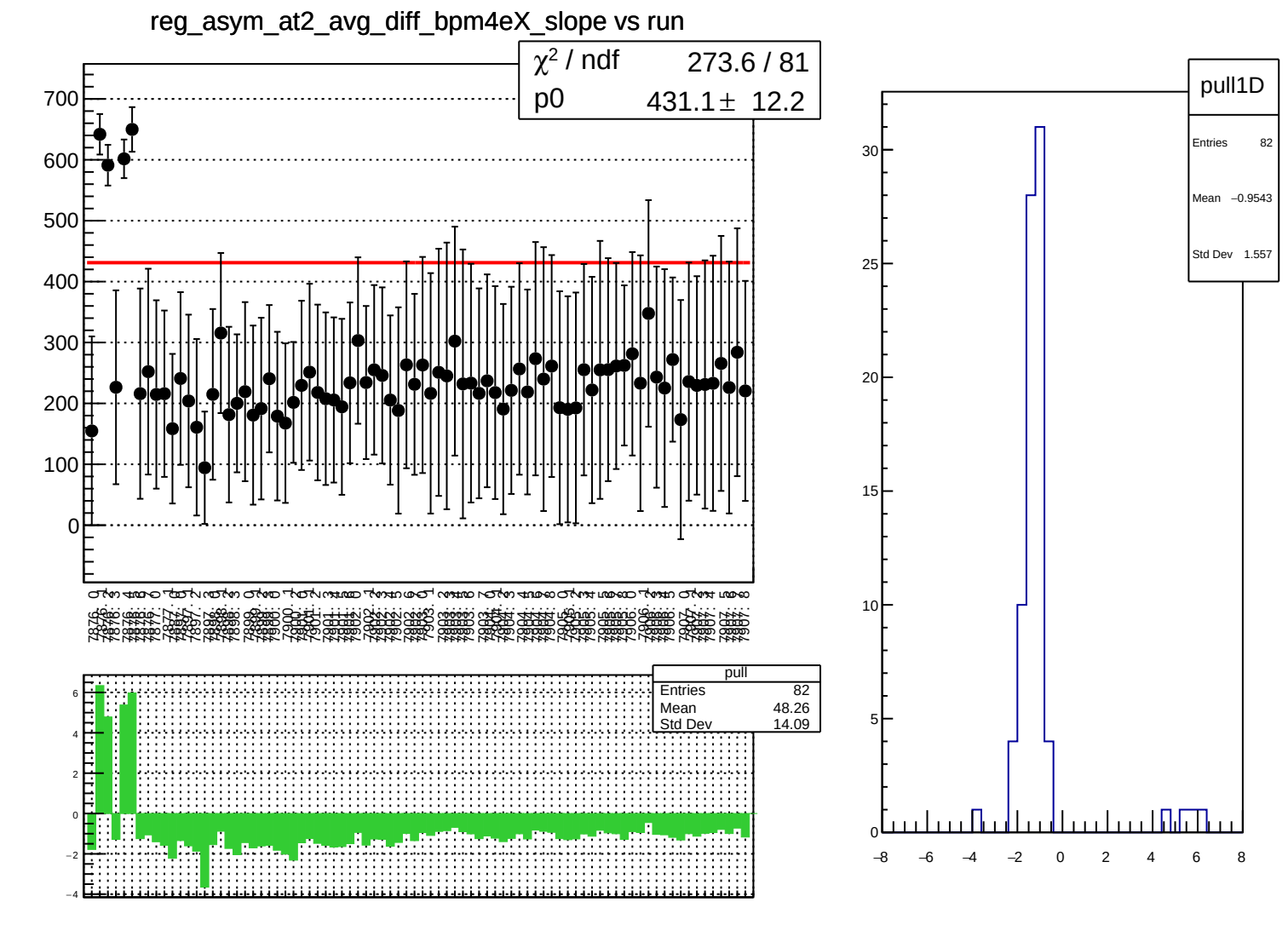

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 853 / 81
p0 32.31 ± 0.1153
pull
Entries 82
Mean 547.7
Std Dev 506.1

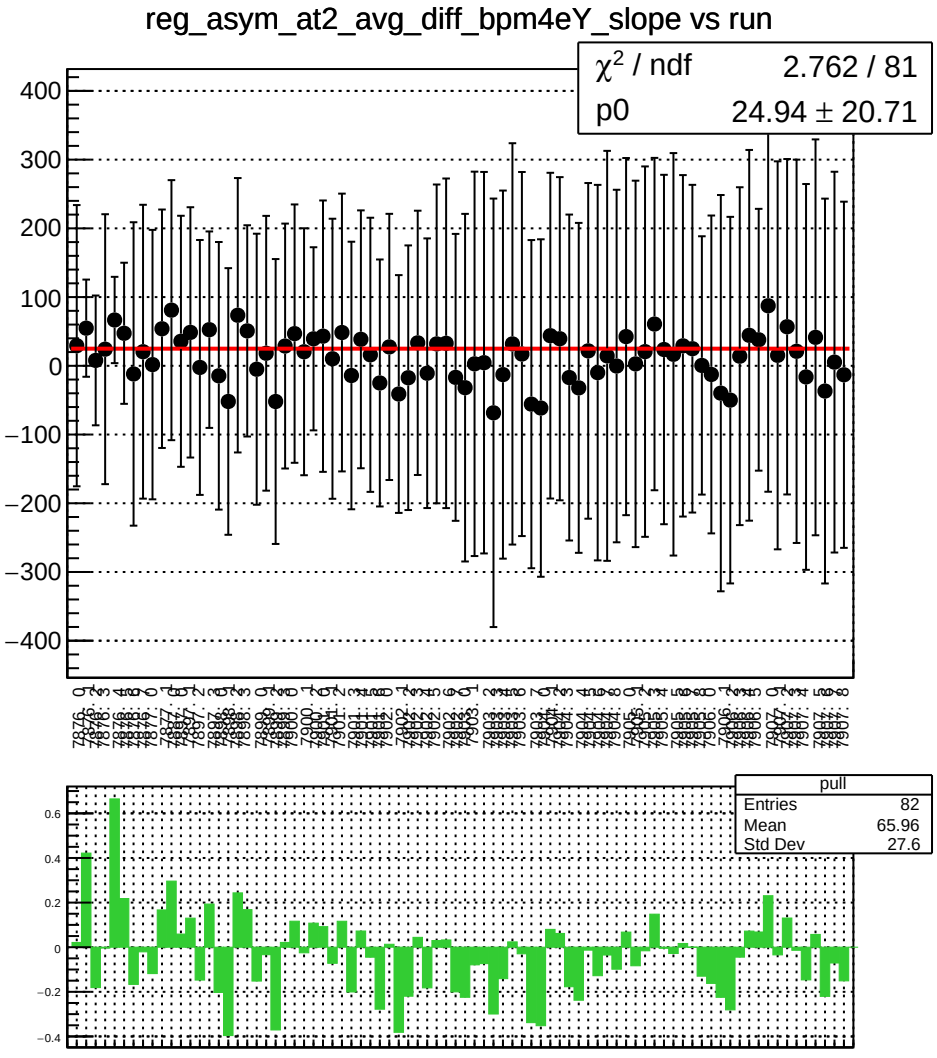

pull1D
Entries 82
Mean −0.03486
Std Dev 3.083

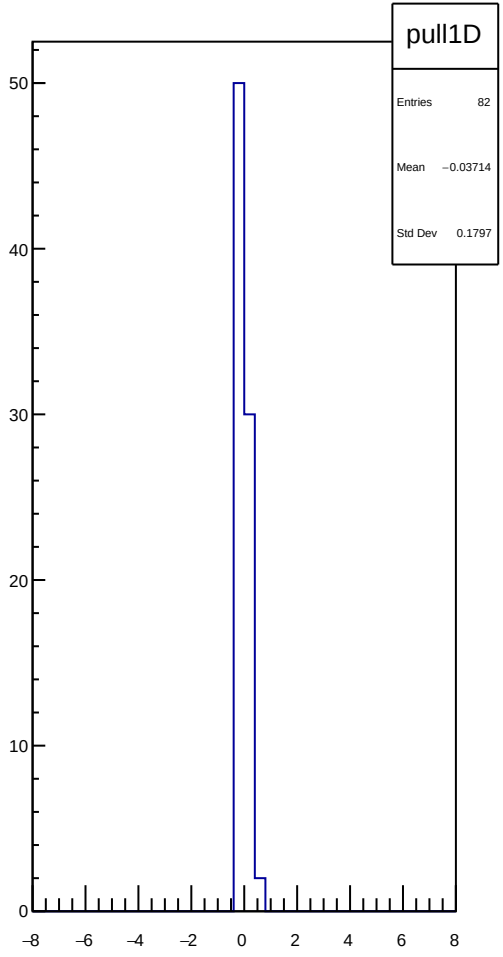

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 196.9 / 81
p0 −433.9 ± 15.23
pull
Entries 82
Mean 48.06
Std Dev 13.54

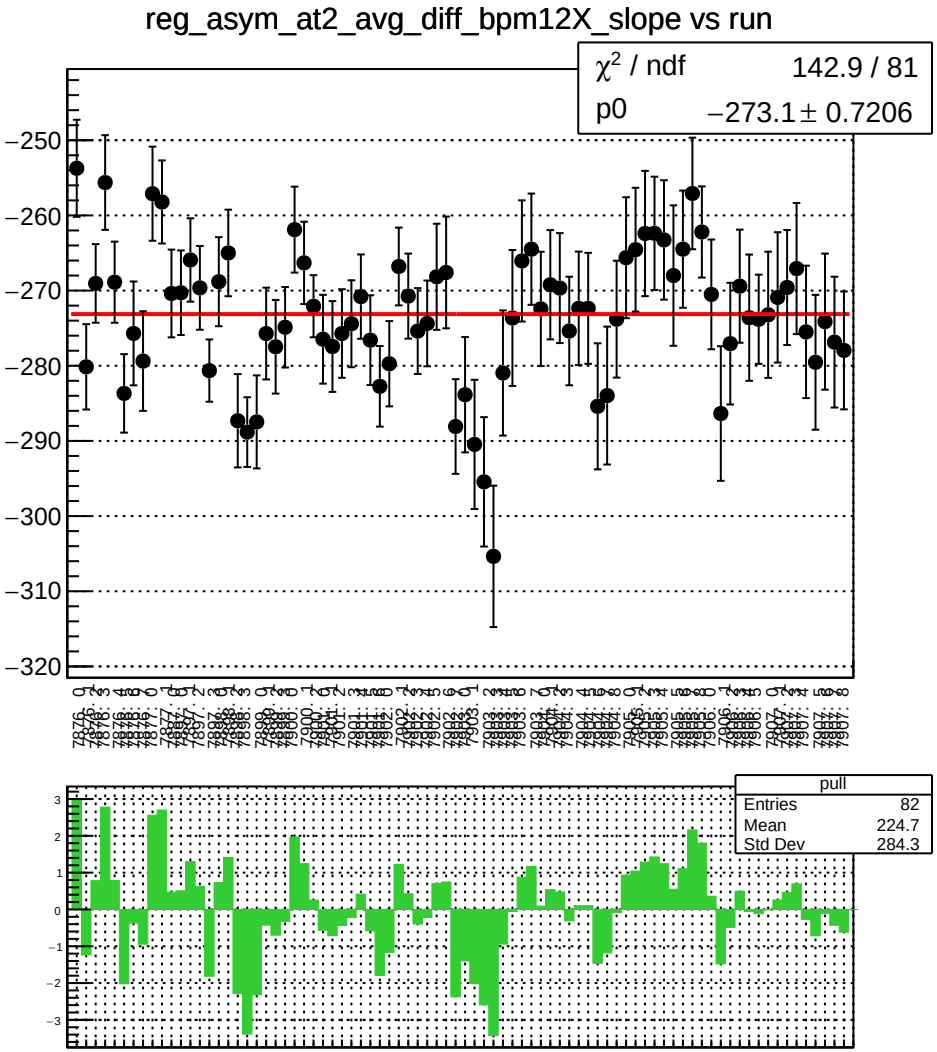

pull1D
Entries 82
Mean 0.7369
Std Dev 1.363

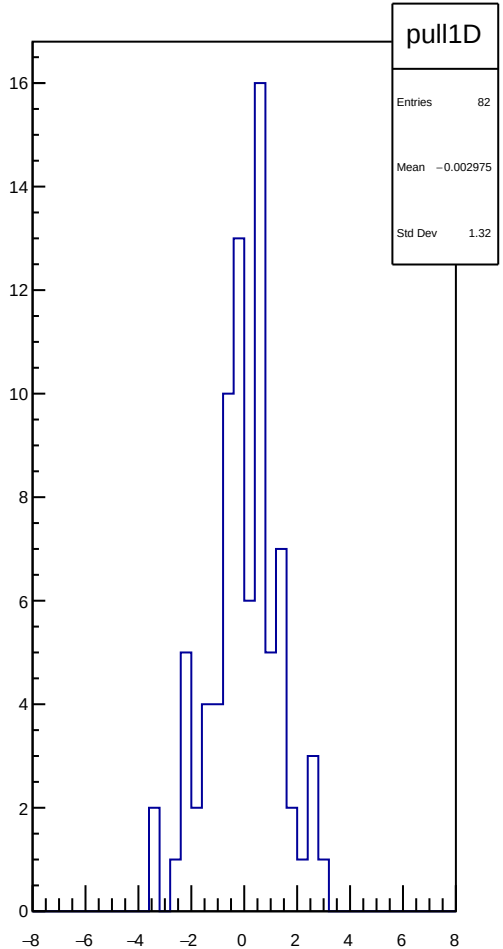

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.234 / 81
p0 60.65 ± 16.33
pull
Entries 82
Mean 46.93
Std Dev 14.12
pull1D
Entries 82
Mean 0.05255
Std Dev 0.1915

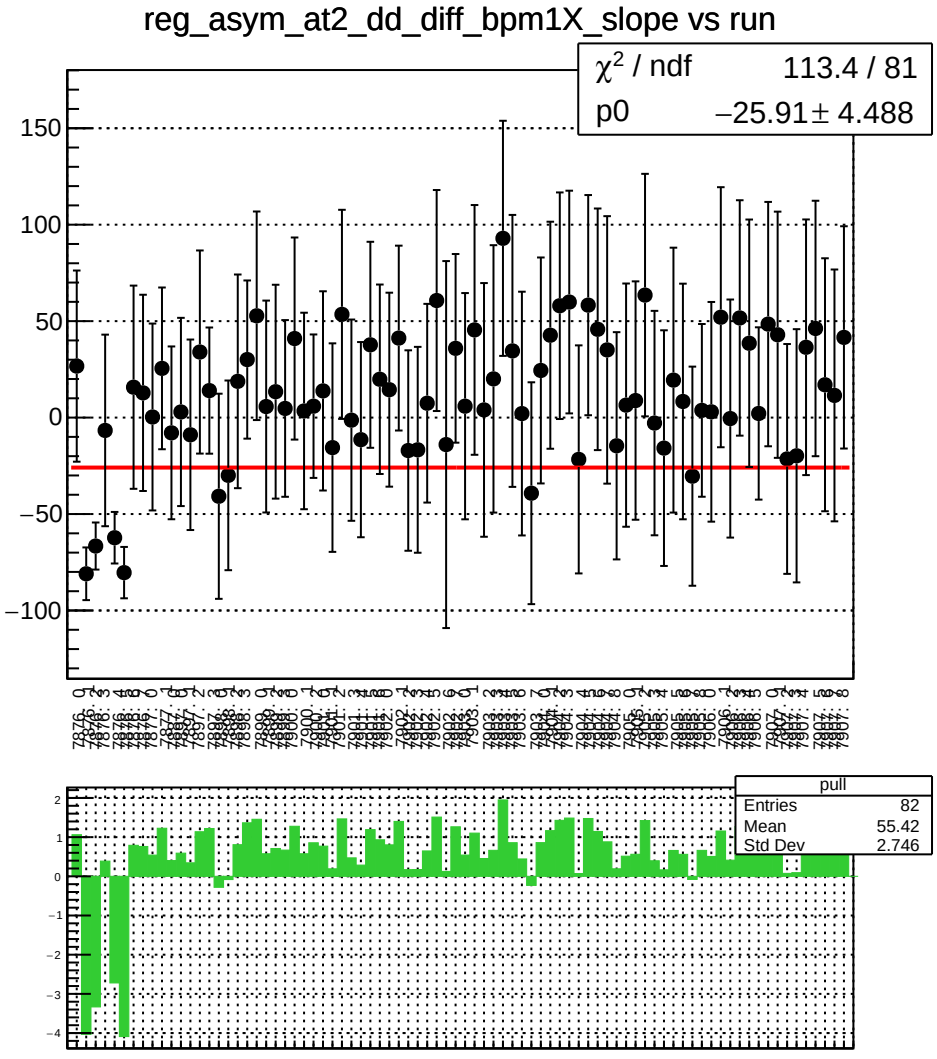

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 273.6 / 81
p0 431.1 ± 12.2
pull
Entries 82
Mean 48.26
Std Dev 14.09
pull1D
Entries 82
Mean −0.9543
Std Dev 1.557

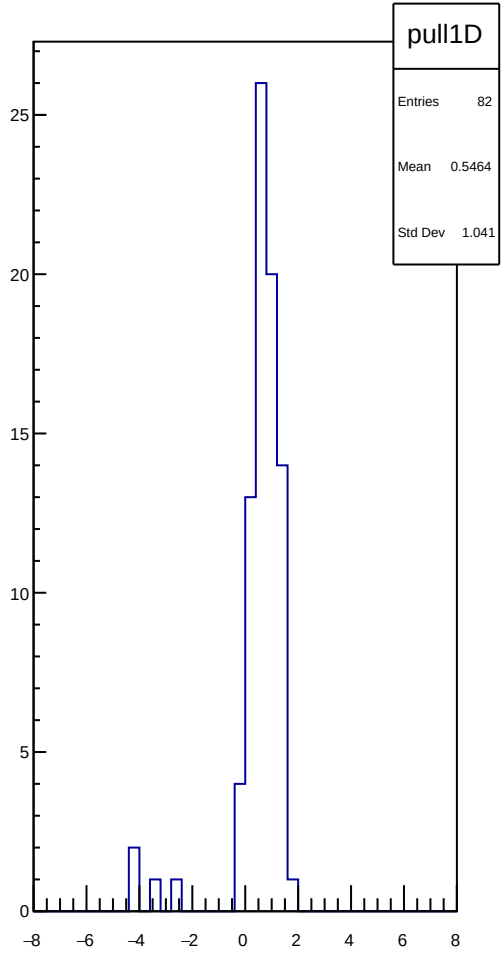

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.762 / 81
p0 24.94 ± 20.71
pull
Entries 82
Mean 65.96
Std Dev 27.6

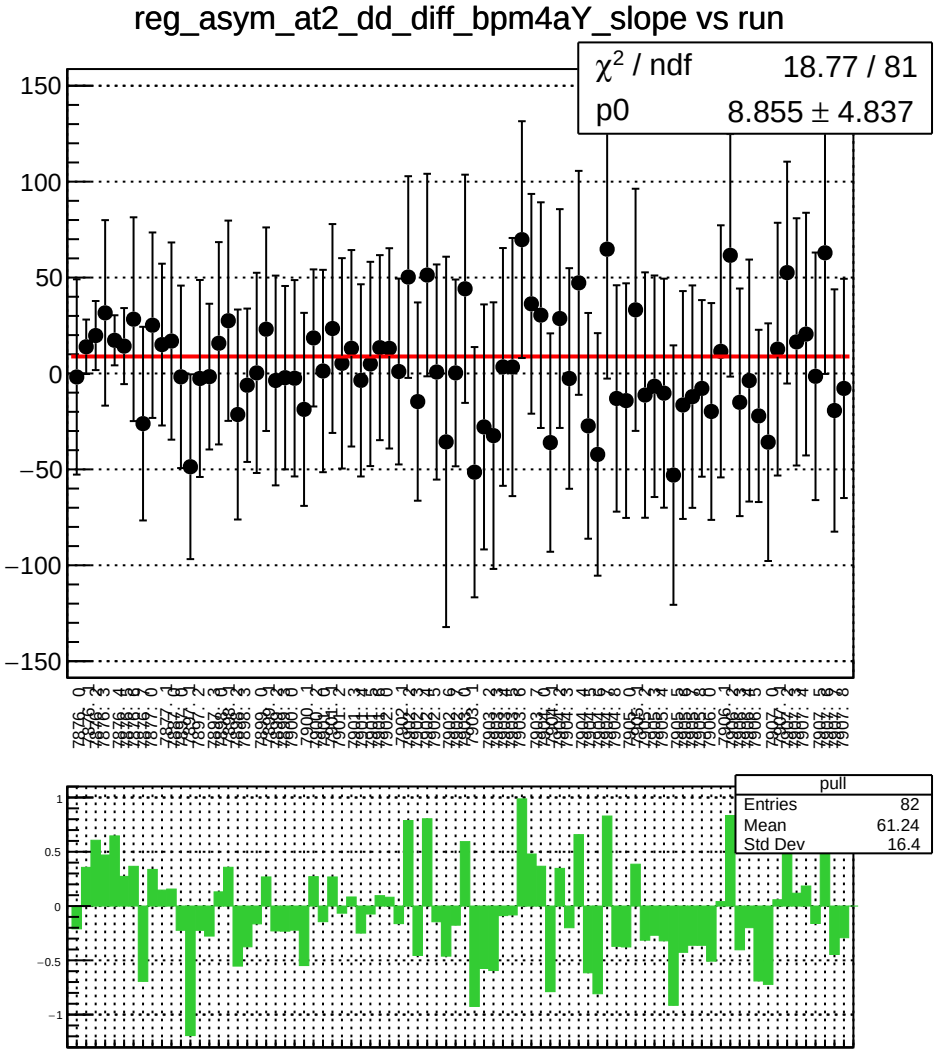

pull1D
Entries 82
Mean −0.03714
Std Dev 0.1797

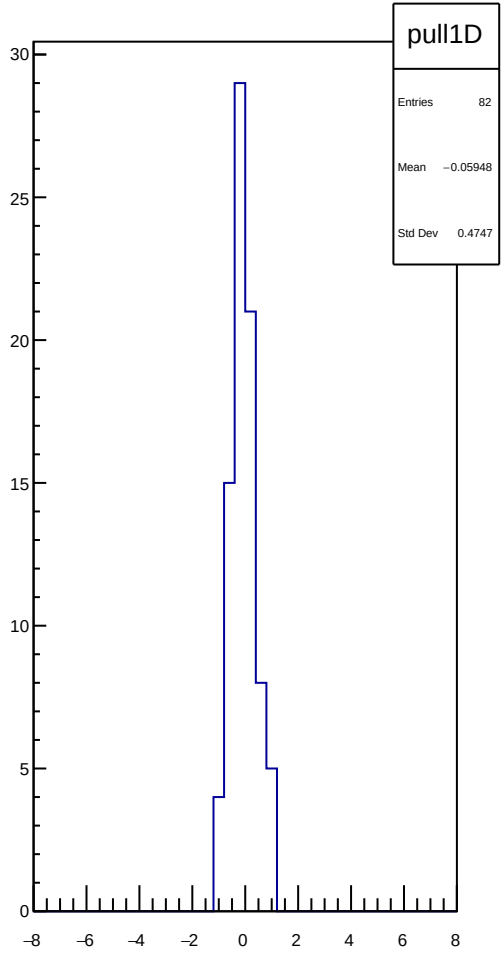

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 142.9 / 81
p0 −273.1 ± 0.7206
pull
Entries 82
Mean 224.7
Std Dev 284.3

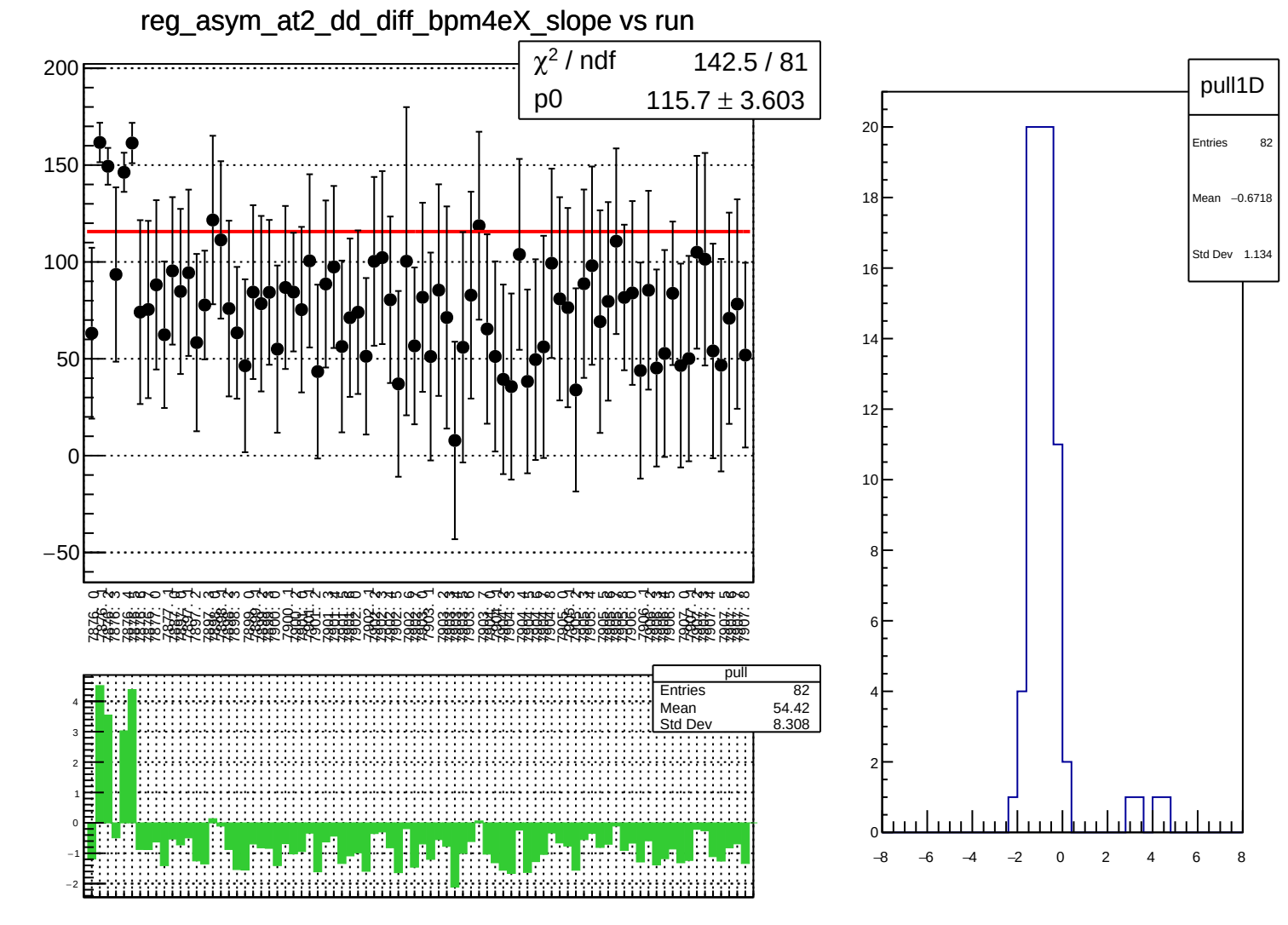

pull1D
Entries 82
Mean −0.002975
Std Dev 1.32

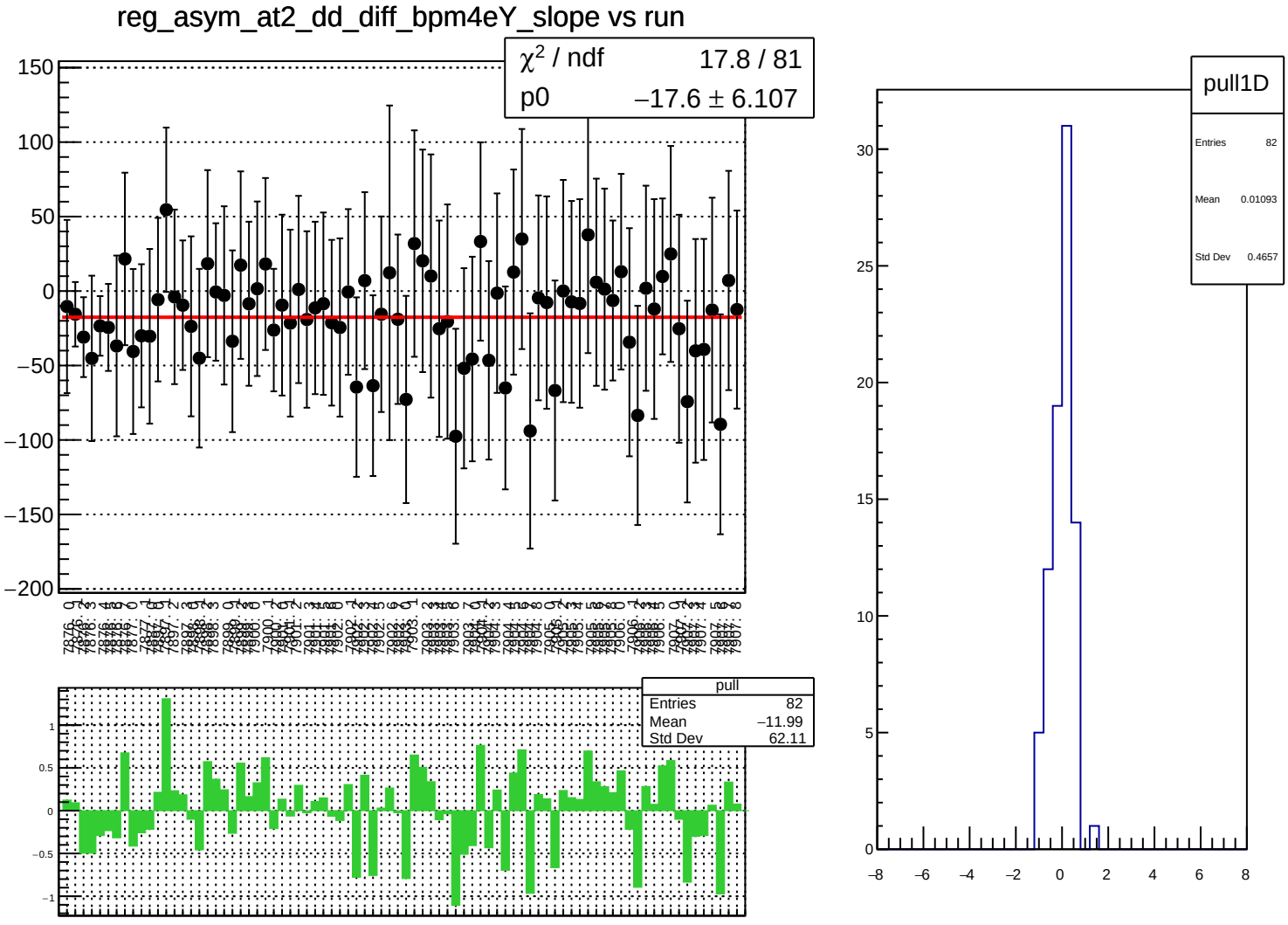

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 113.4 / 81
p0 −25.91 ± 4.488
pull
Entries 82
Mean 55.42
Std Dev 2.746

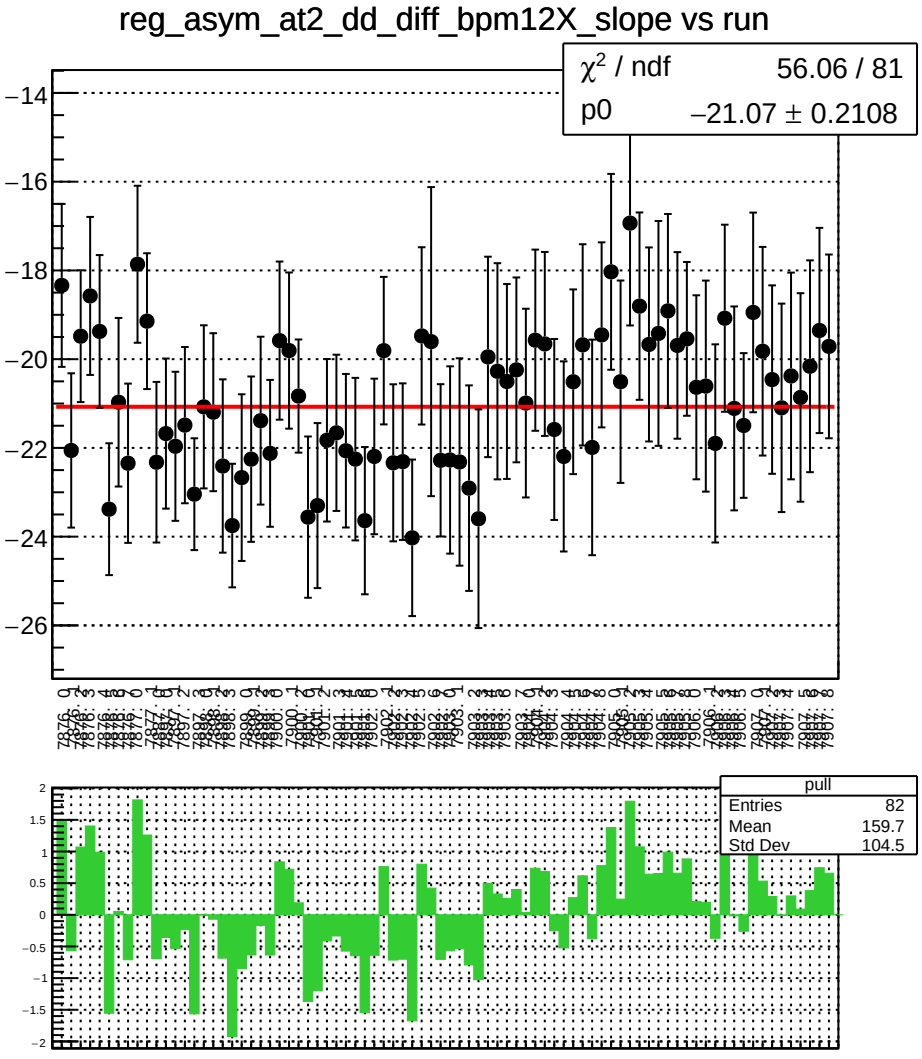

pull1D
Entries 82
Mean 0.5464
Std Dev 1.041

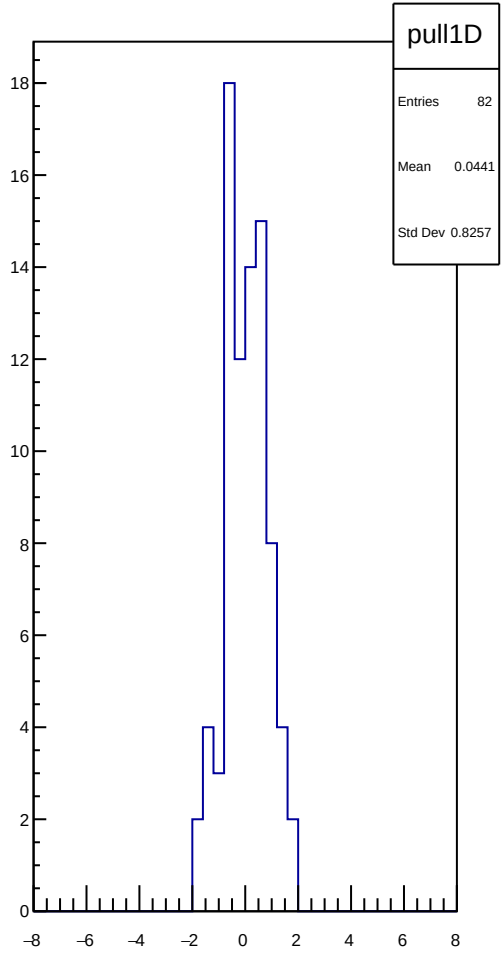

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.77 / 81
p0 8.855 ± 4.837
pull
Entries 82
Mean 61.24
Std Dev 16.4

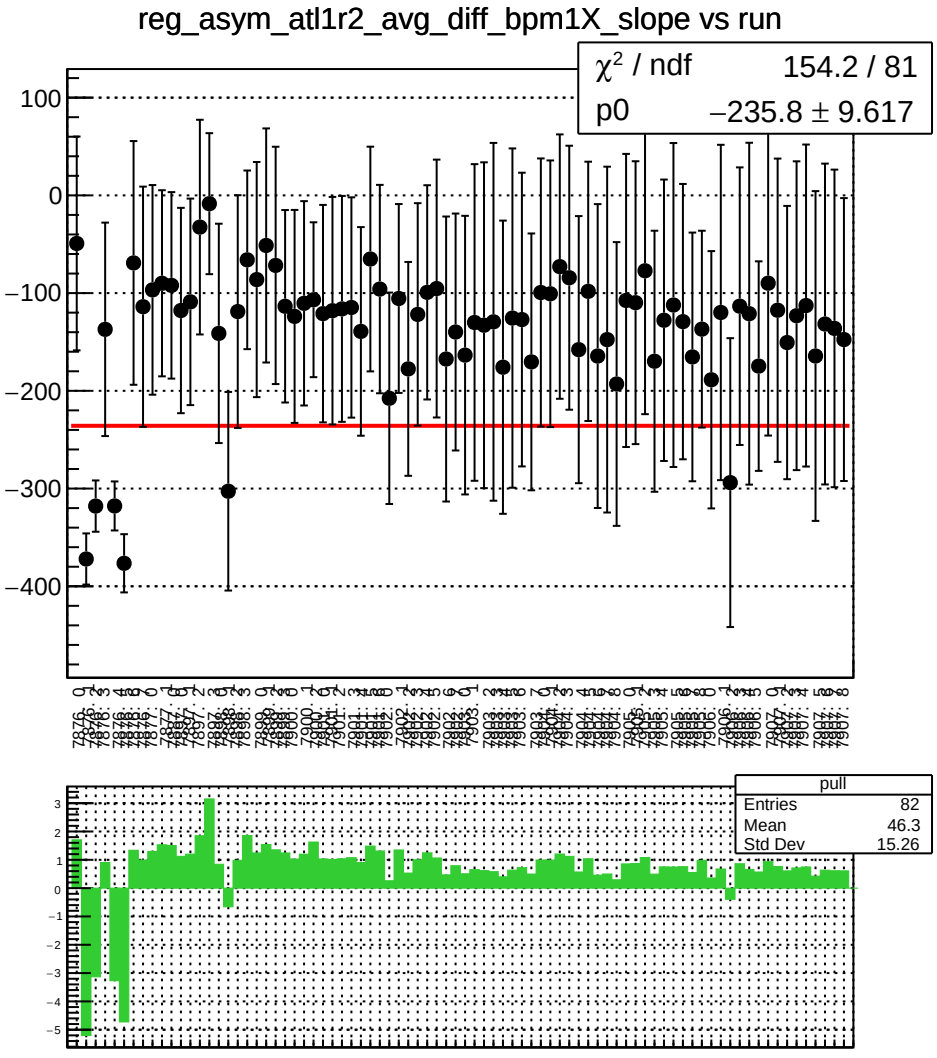

pull1D
Entries 82
Mean −0.05948
Std Dev 0.4747

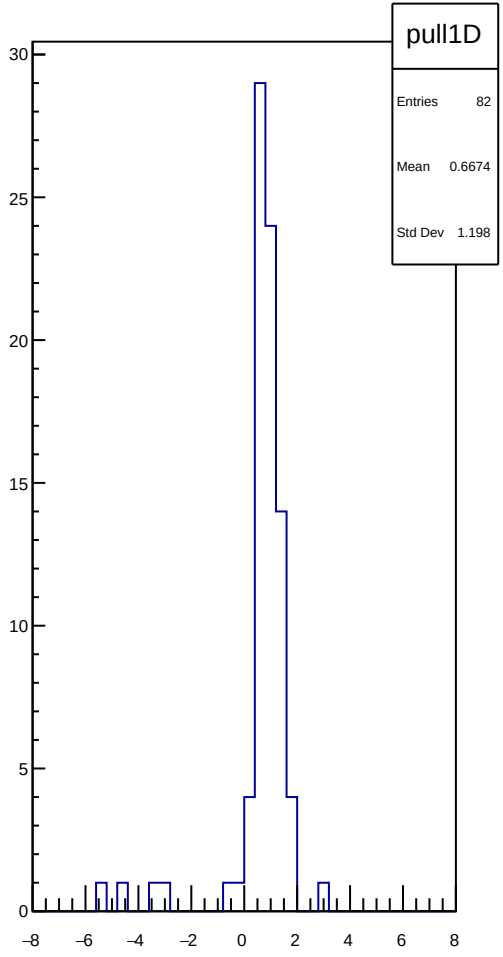

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 142.5 / 81
p0 115.7 ± 3.603
pull
Entries 82
Mean 54.42
Std Dev 8.308
pull1D
Entries 82
Mean −0.6718
Std Dev 1.134

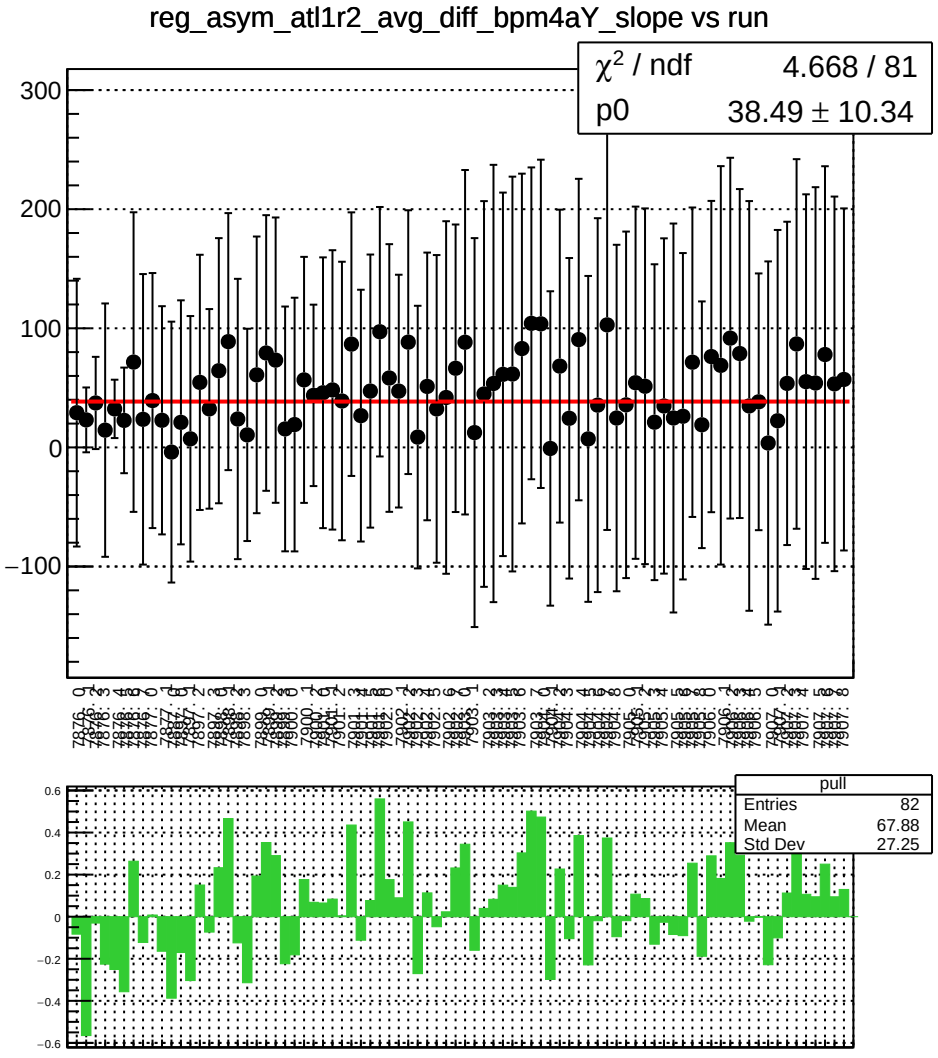

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.8 / 81
p0 −17.6 ± 6.107
pull
Entries 82
Mean −11.99
Std Dev 62.11
pull1D
Entries 82
Mean 0.01093
Std Dev 0.4657

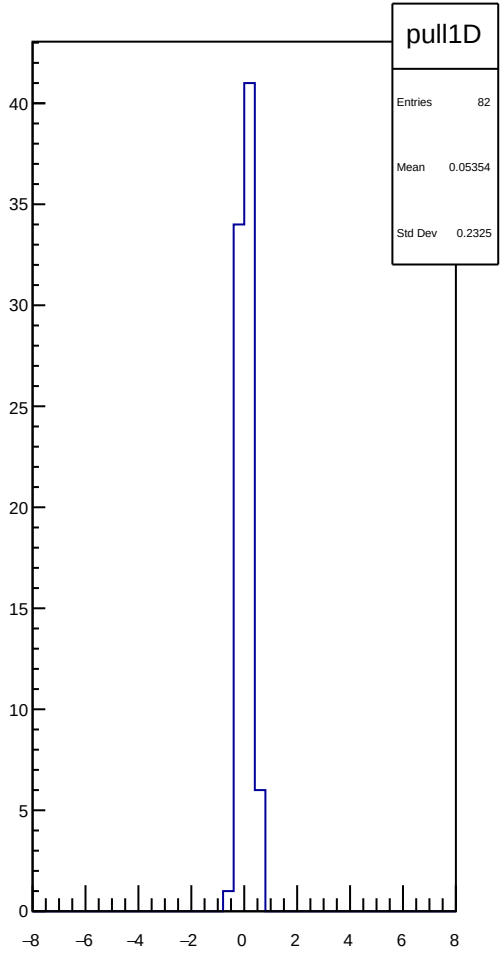

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 56.06 / 81
p0 −21.07 ± 0.2108
pull
Entries 82
Mean 159.7
Std Dev 104.5

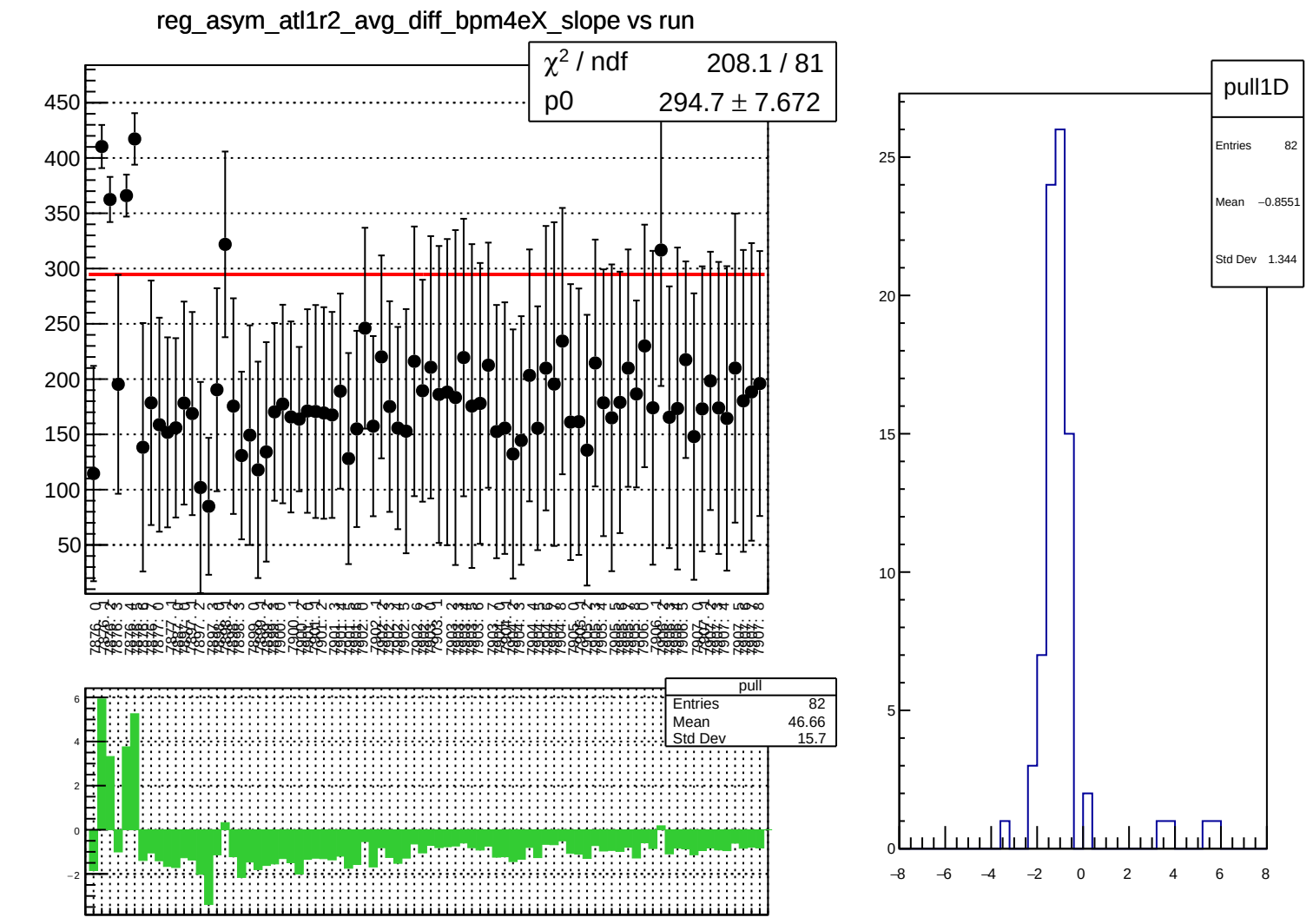

pull1D
Entries 82
Mean 0.0441
Std Dev 0.8257

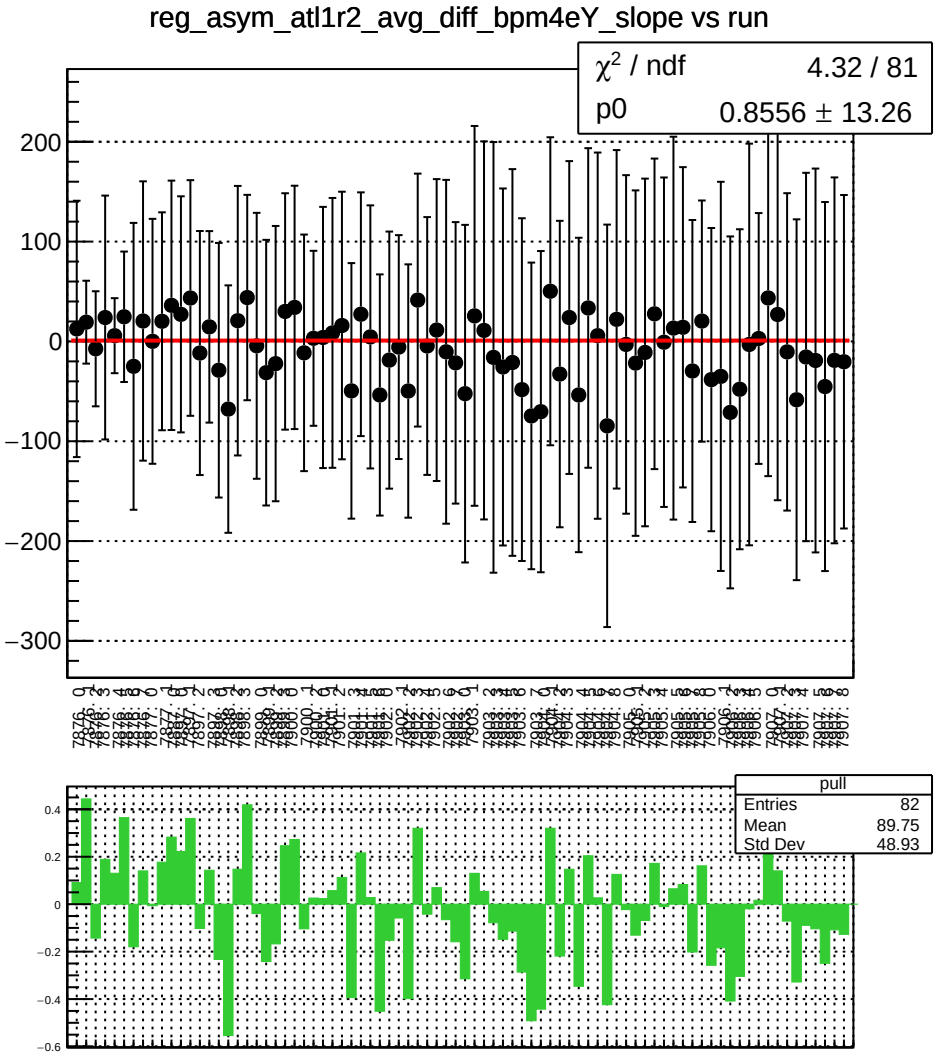

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 154.2 / 81
p0 −235.8 ± 9.617
pull
Entries 82
Mean 46.3
Std Dev 15.26

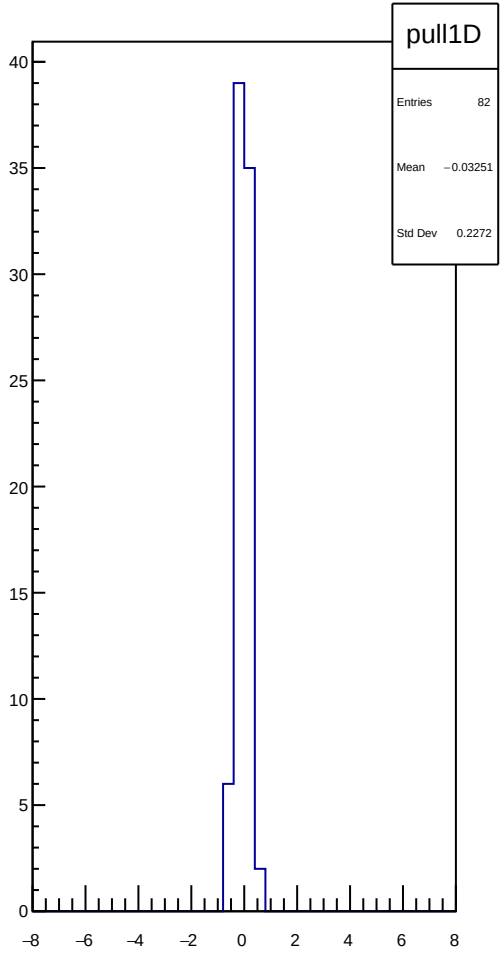

pull1D
Entries 82
Mean 0.6674
Std Dev 1.198

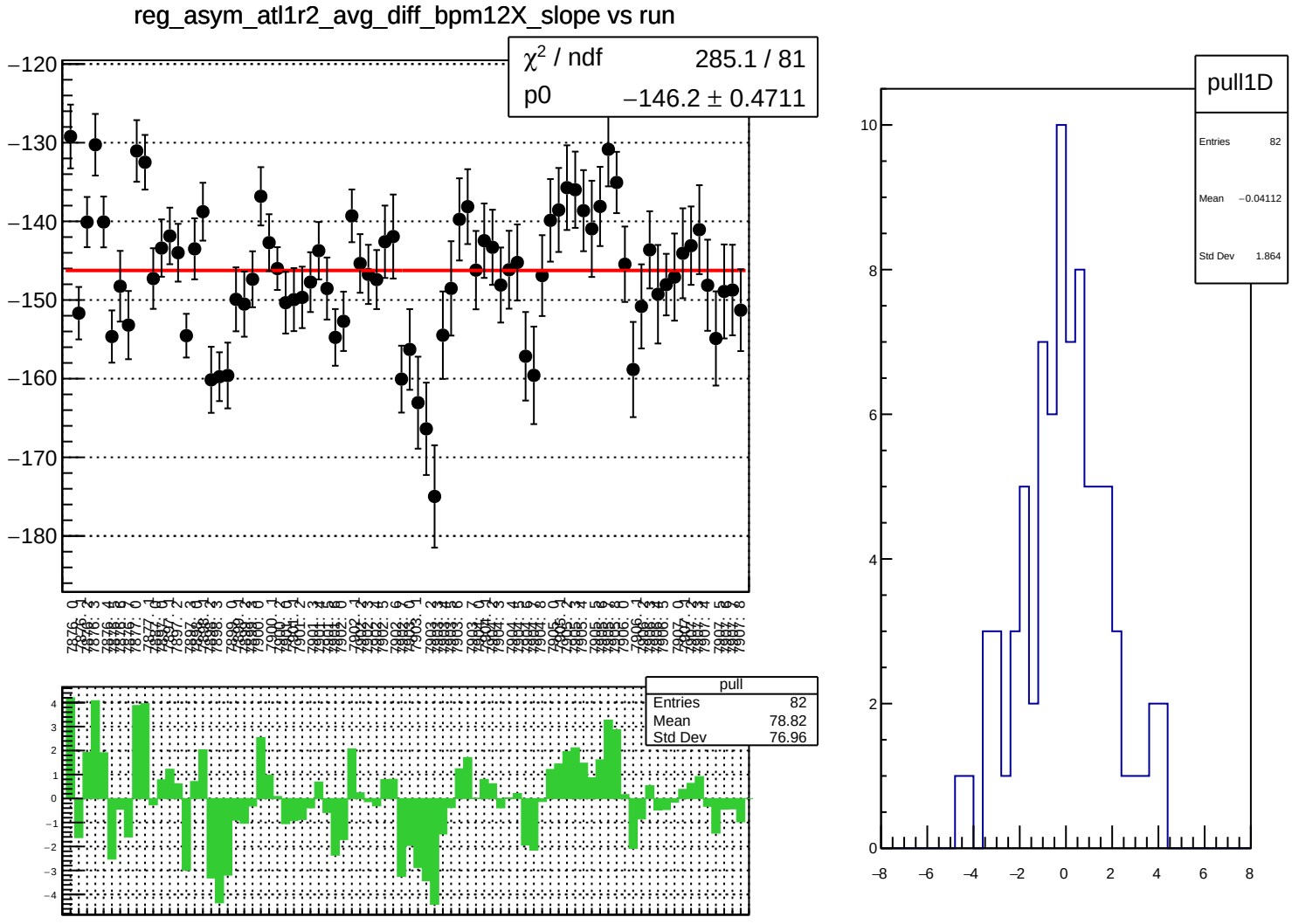

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.668 / 81
p0 38.49 ± 10.34
pull
Entries 82
Mean 67.88
Std Dev 27.25

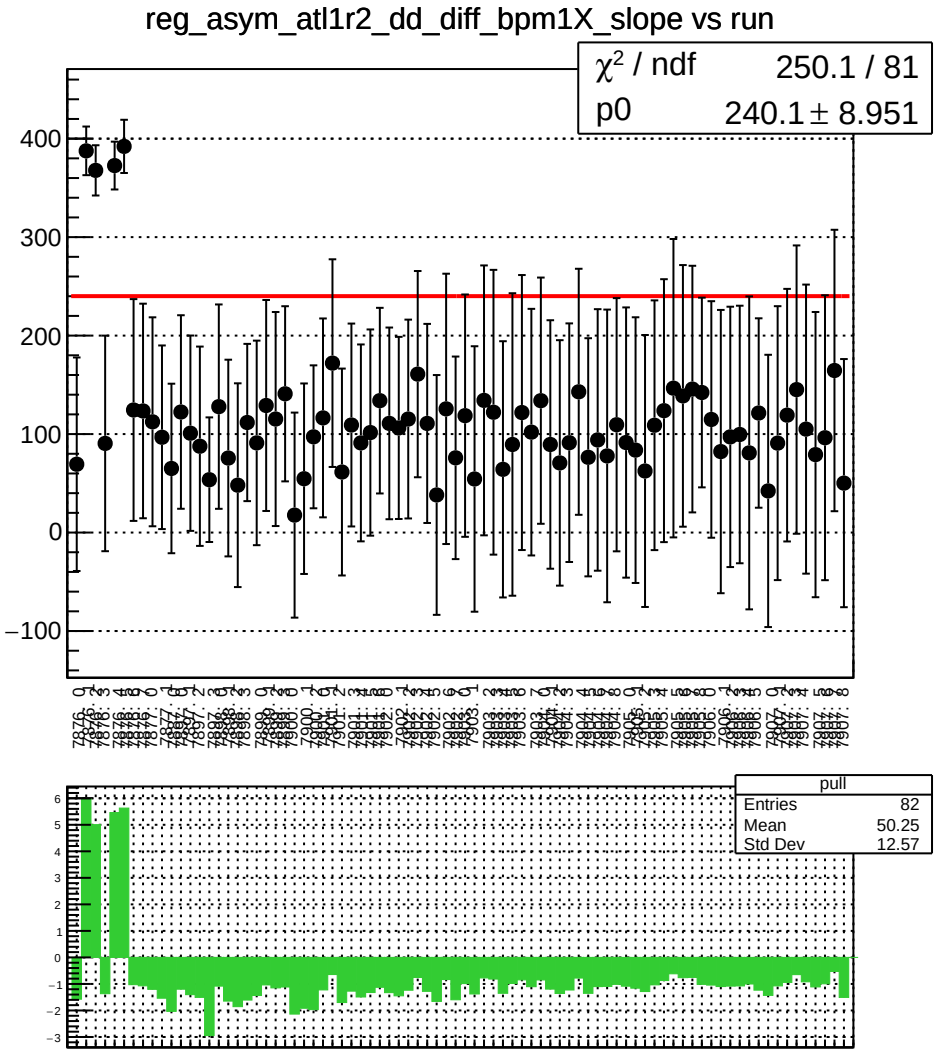

pull1D
Entries 82
Mean 0.05354
Std Dev 0.2325

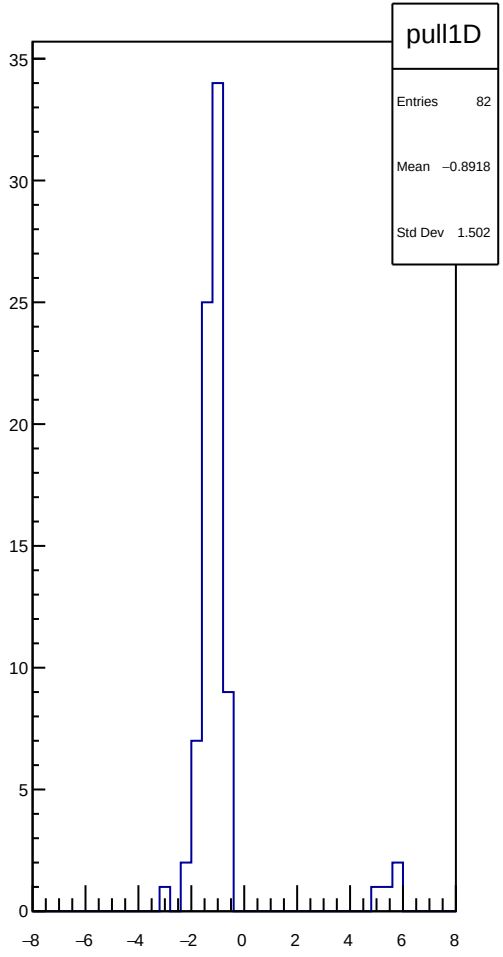

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 208.1 / 81
p0 294.7 ± 7.672
pull
Entries 82
Mean 46.66
Std Dev 15.7
pull1D
Entries 82
Mean −0.8551
Std Dev 1.344

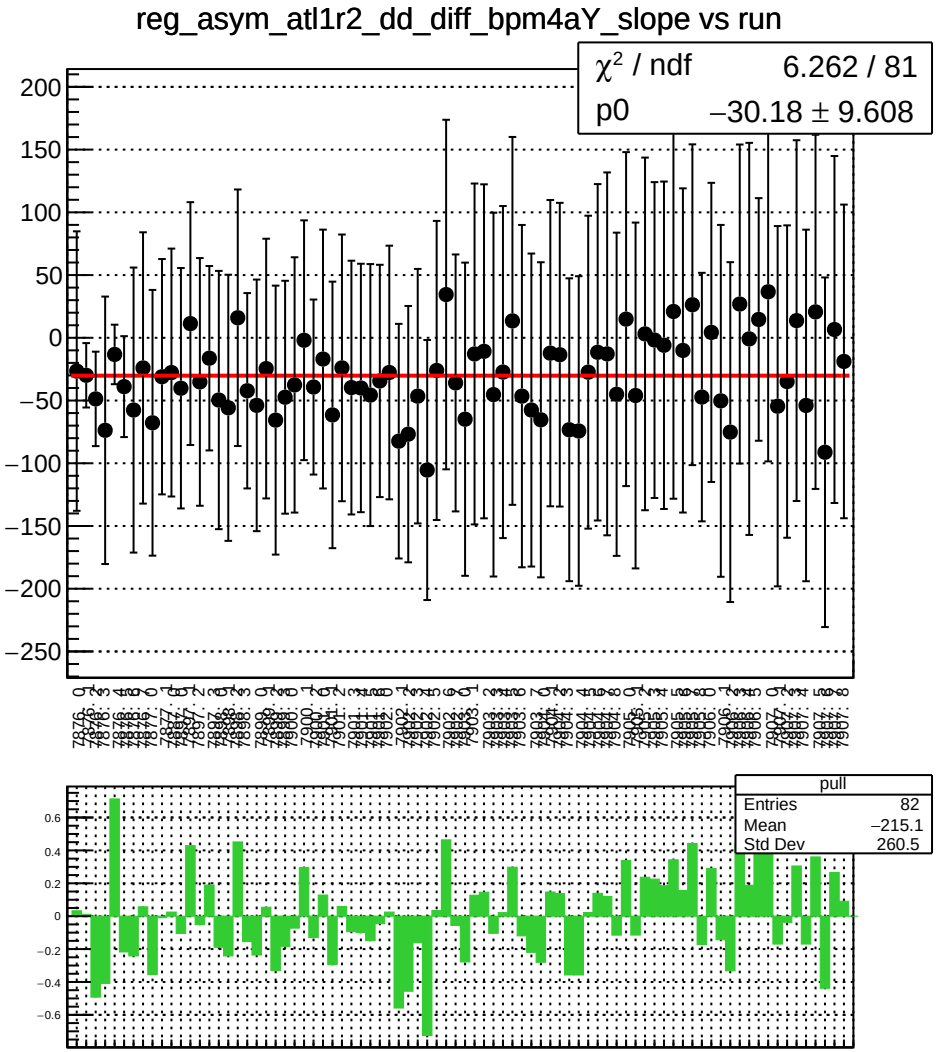

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.32 / 81
p0 0.8556 ± 13.26
pull
Entries 82
Mean 89.75
Std Dev 48.93

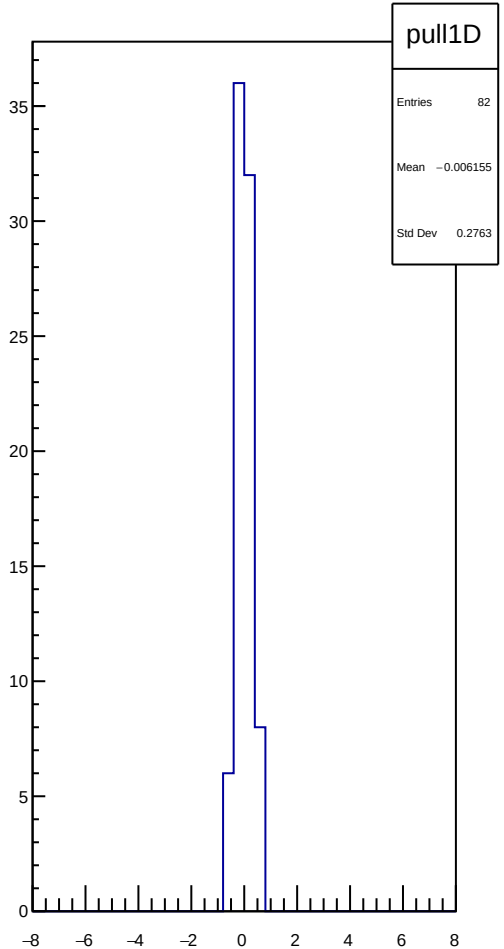

pull1D
Entries 82
Mean −0.03251
Std Dev 0.2272

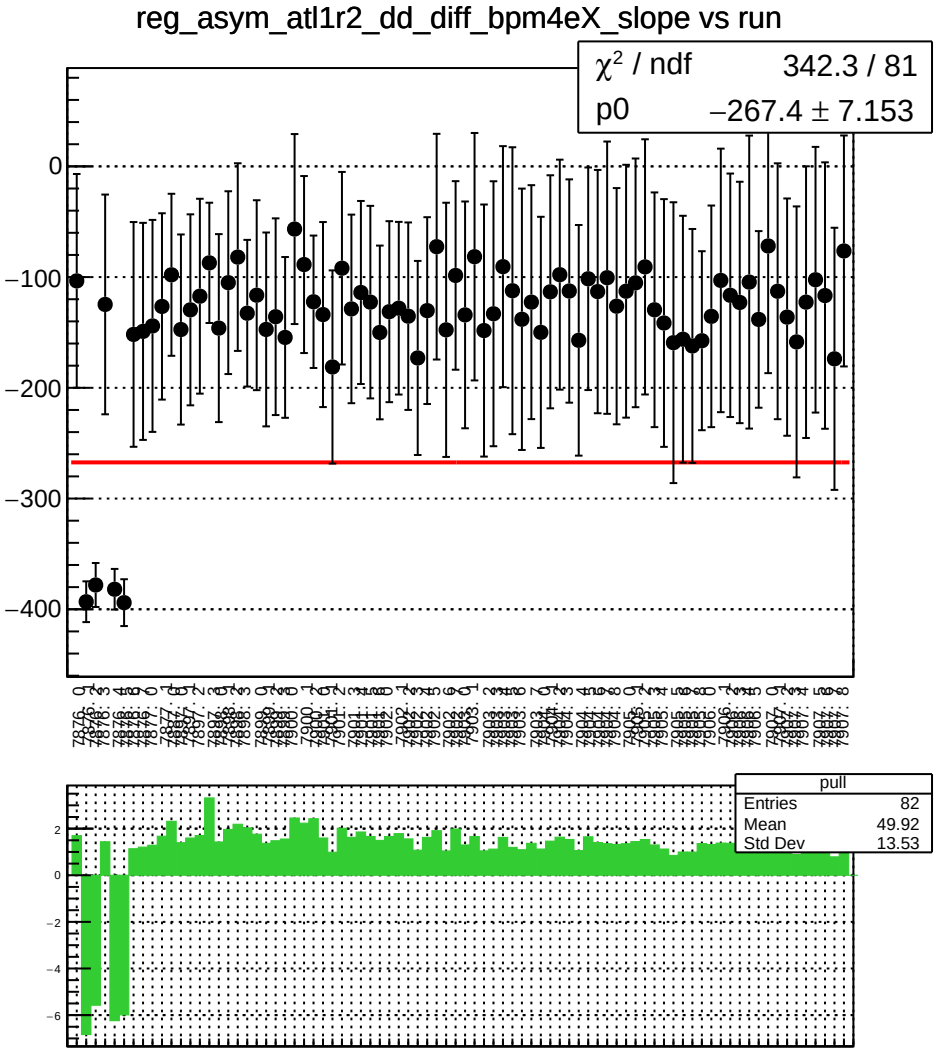

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 285.1 / 81
p0 −146.2 ± 0.4711
pull
Entries 82
Mean 78.82
Std Dev 76.96
pull1D
Entries 82
Mean −0.04112
Std Dev 1.864

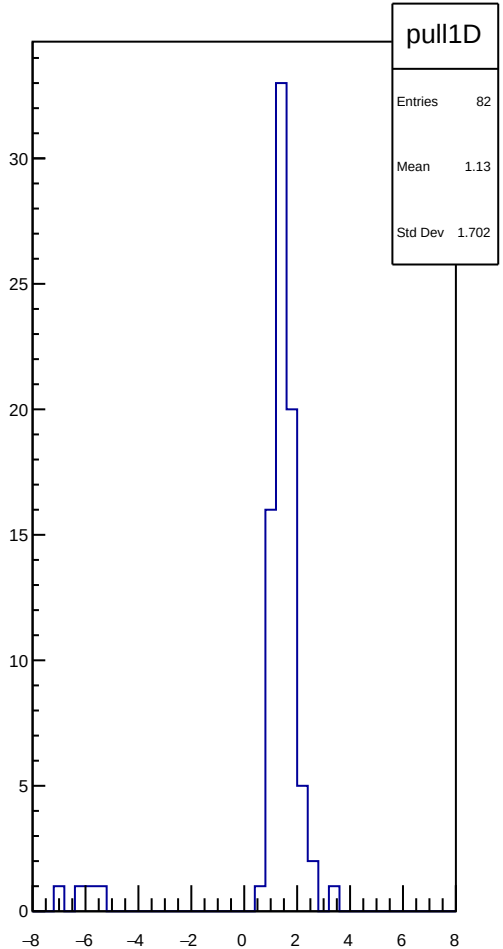

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 250.1 / 81
p0 240.1 ± 8.951
pull
Entries 82
Mean 50.25
Std Dev 12.57

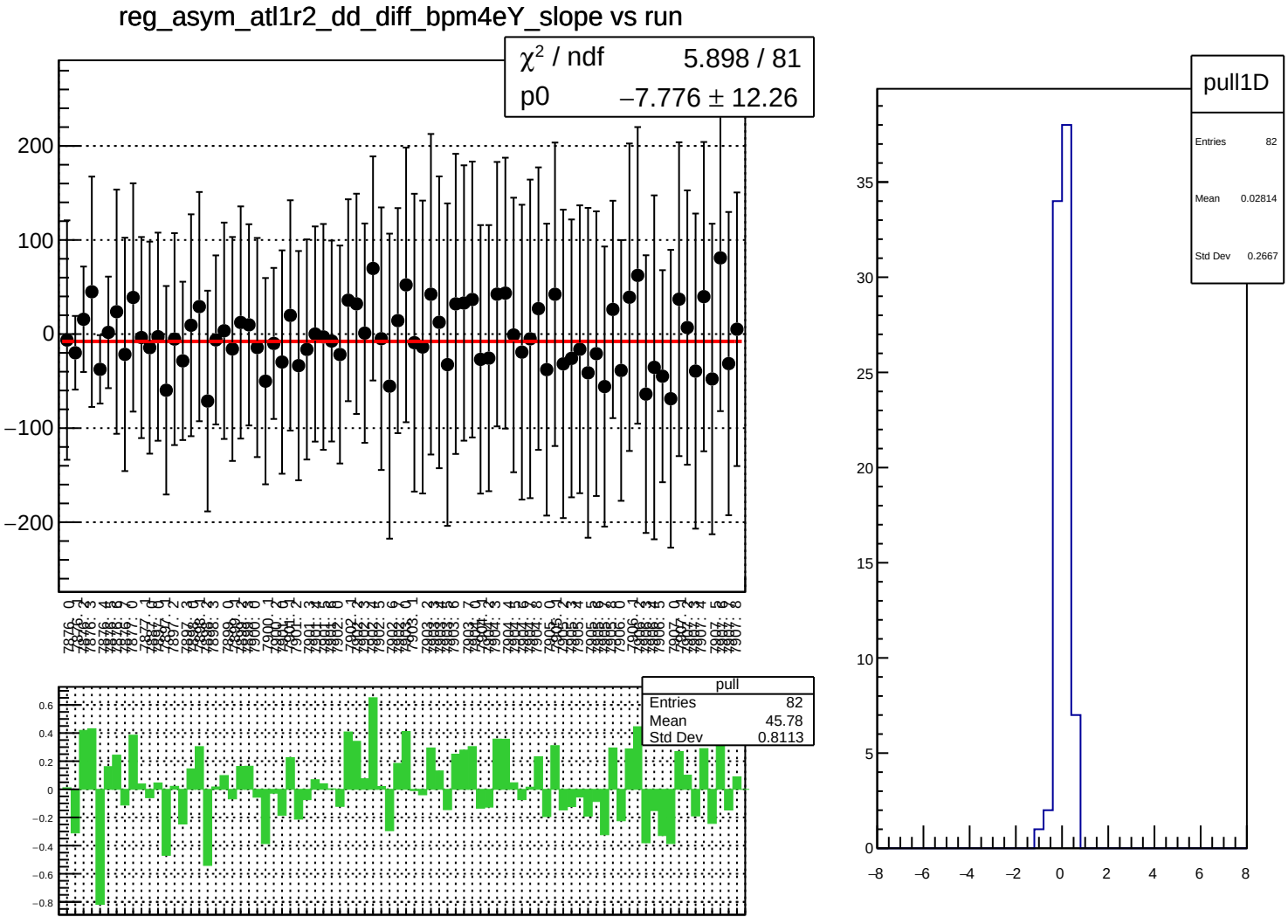

pull1D
Entries 82
Mean −0.8918
Std Dev 1.502

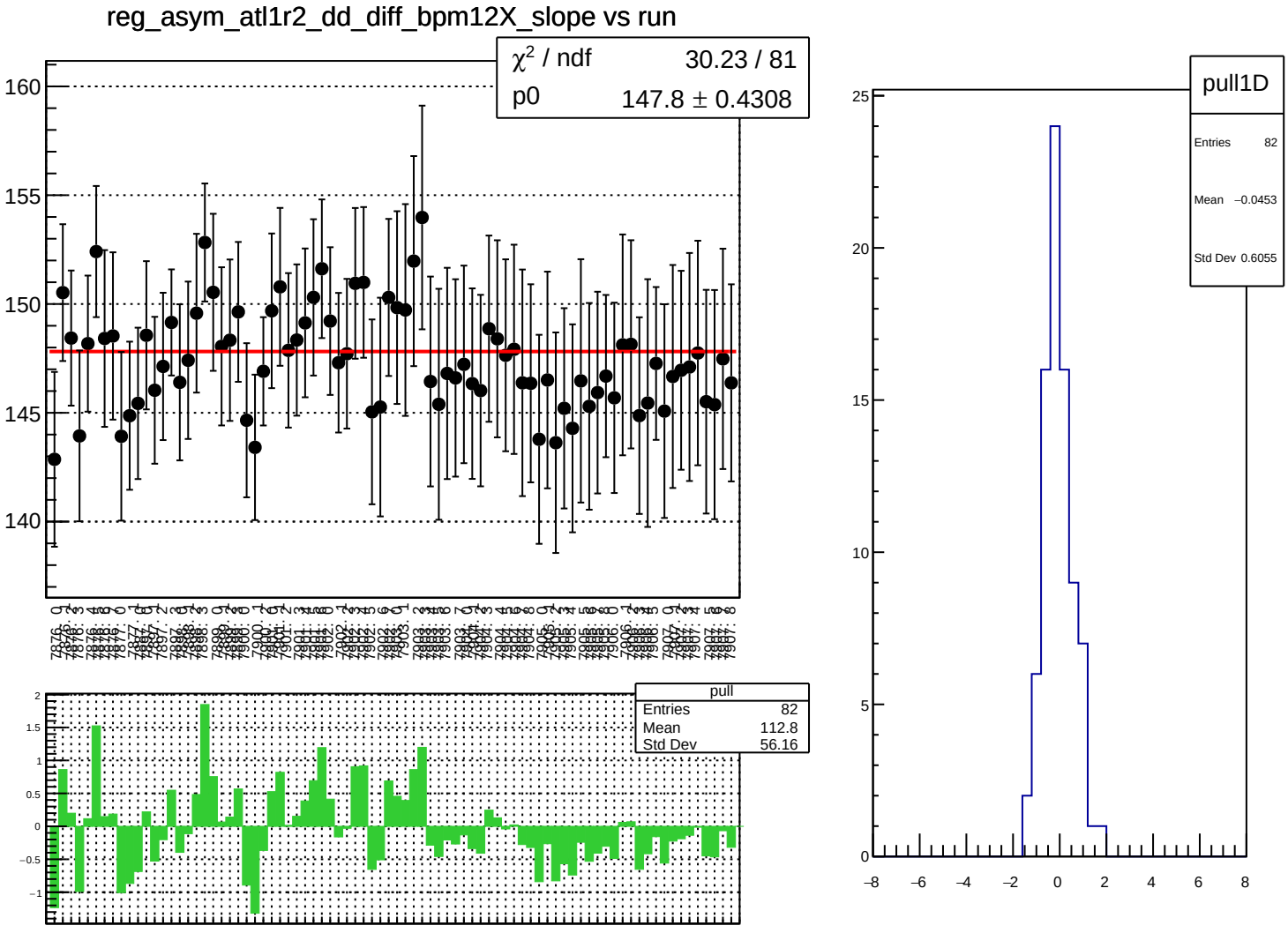

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.262 / 81
p0 −30.18 ± 9.608
pull
Entries 82
Mean −215.1
Std Dev 260.5

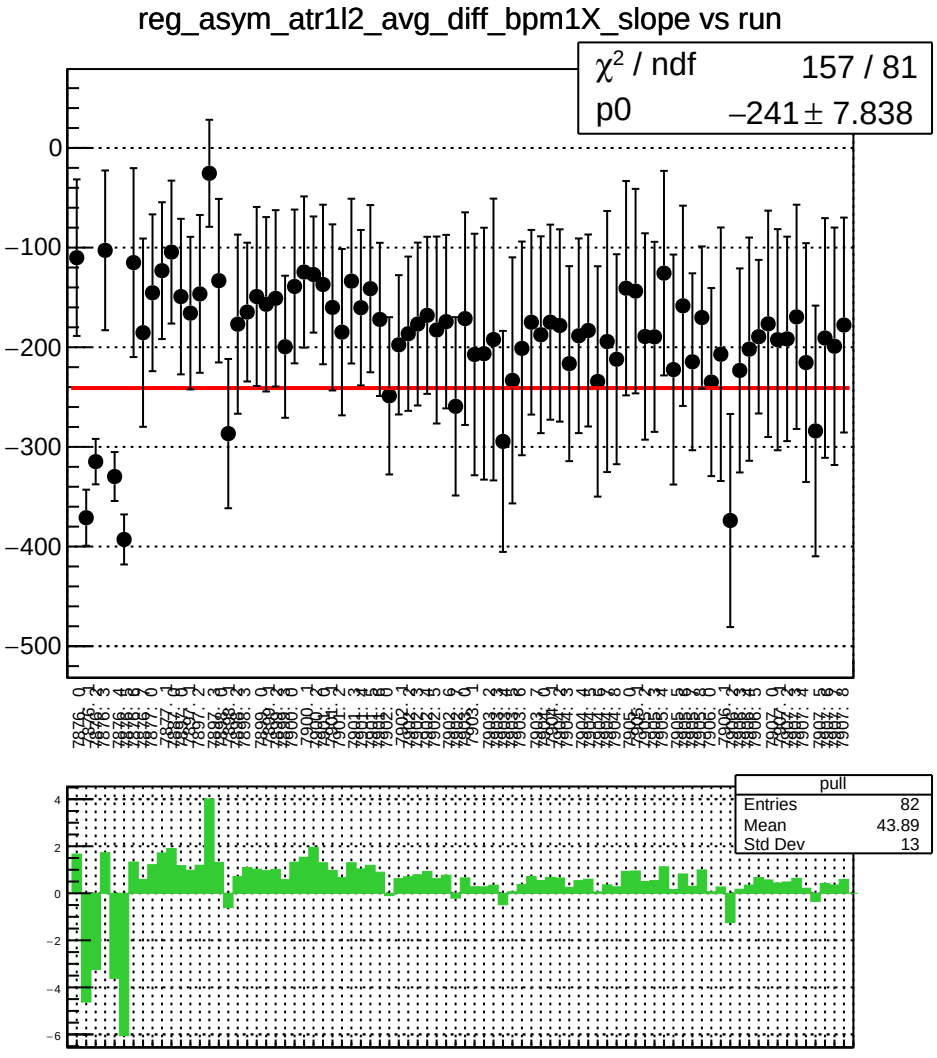

pull1D
Entries 82
Mean −0.006155
Std Dev 0.2763

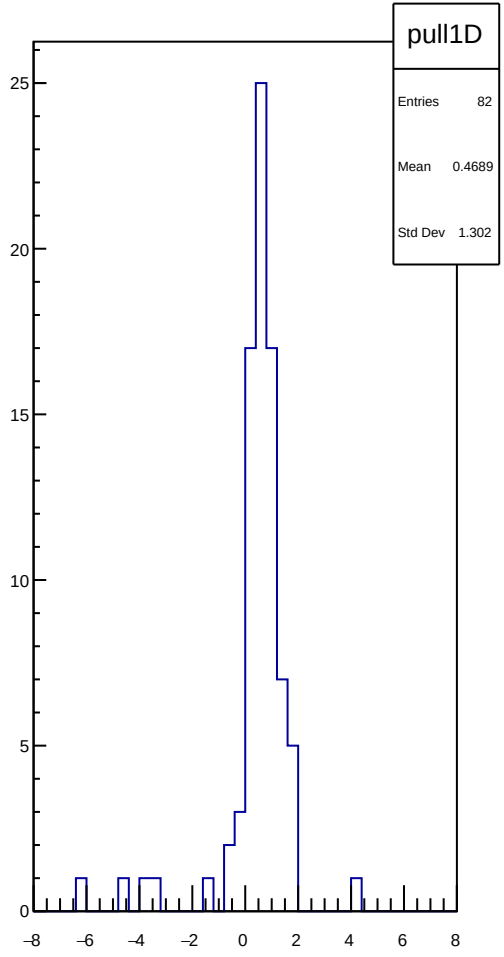

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 342.3 / 81
p0 −267.4 ± 7.153
0
−100
−200
−300
−400
pull
Entries 82
Mean 49.92
Std Dev 13.53
2
0
−2
−4
−6

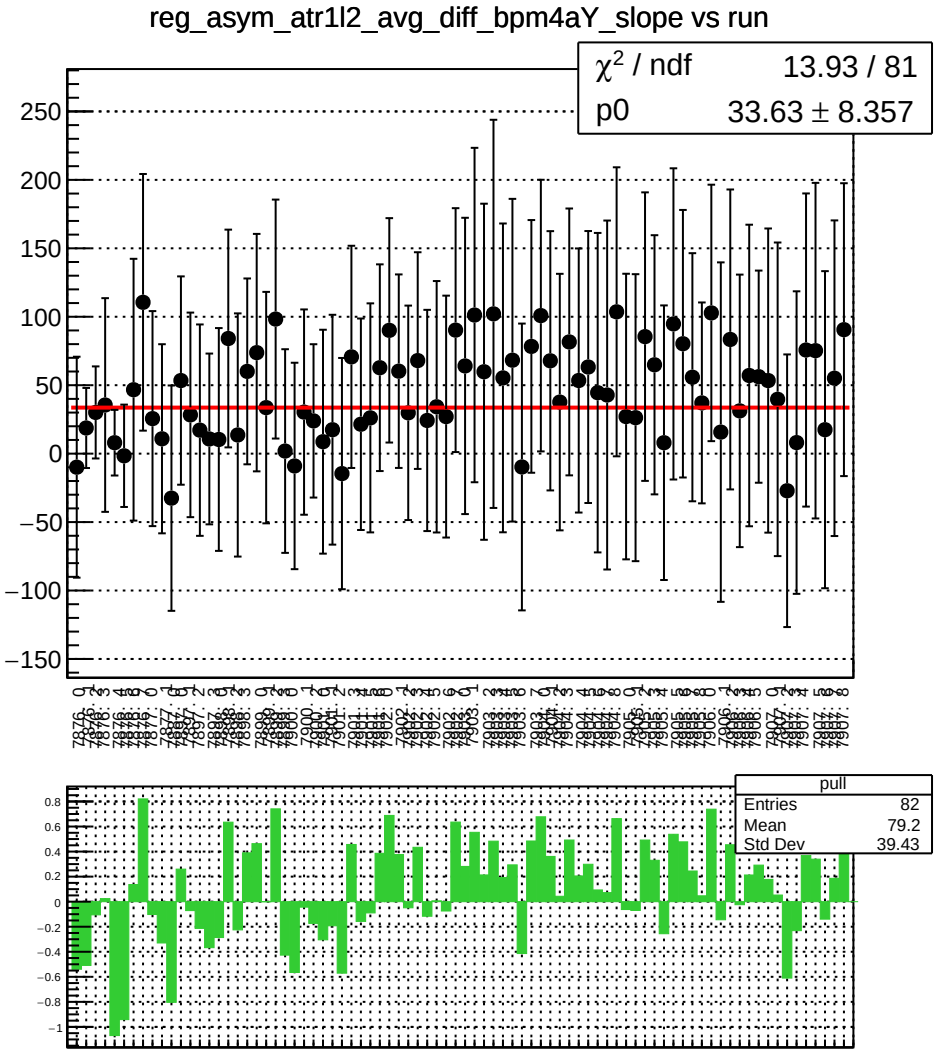

pull1D
Entries 82
Mean 1.13
Std Dev 1.702
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

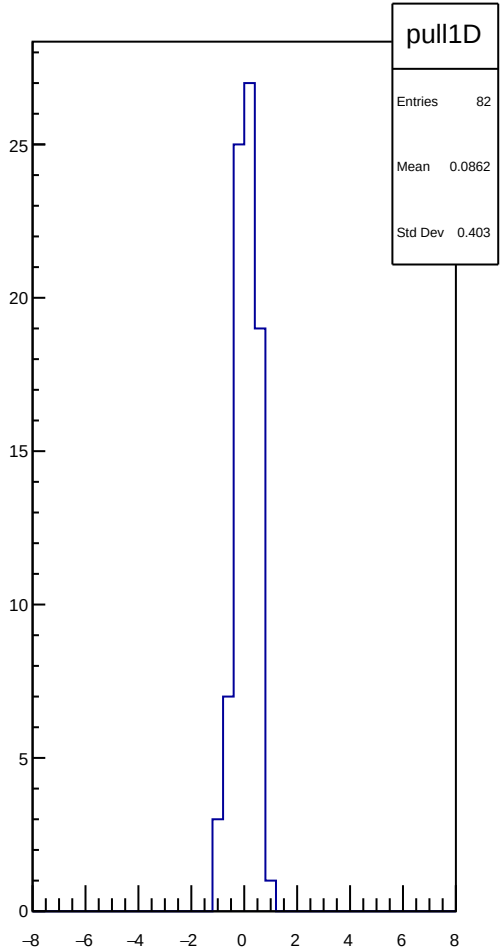

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.898 / 81
p0 −7.776 ± 12.26
pull
Entries 82
Mean 45.78
Std Dev 0.8113
pull1D
Entries 82
Mean 0.02814
Std Dev 0.2667

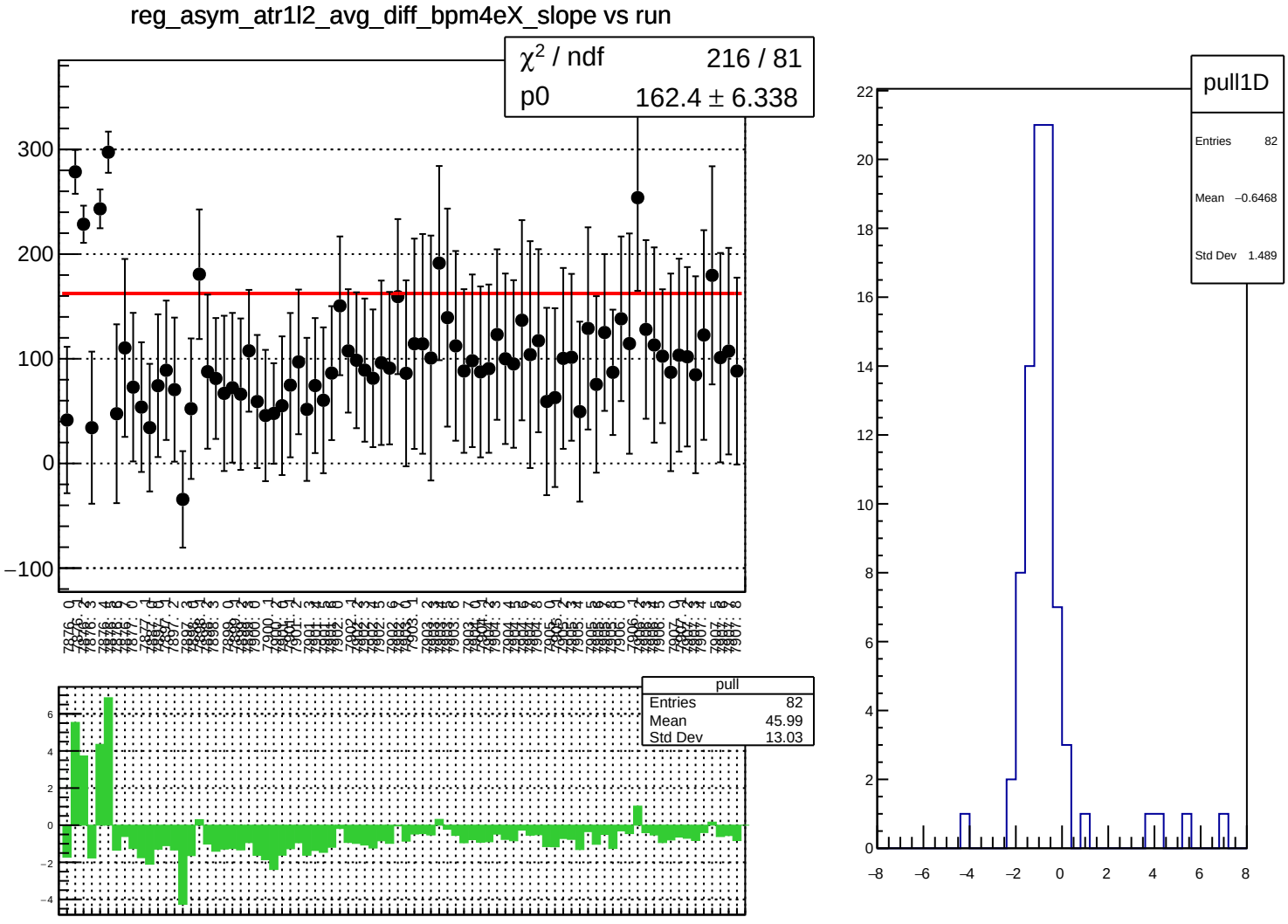

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 30.23 / 81
p0 147.8 ± 0.4308
160
155
150
145
140
pull
Entries 82
Mean 112.8
Std Dev 56.16
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.0453
Std Dev 0.6055
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

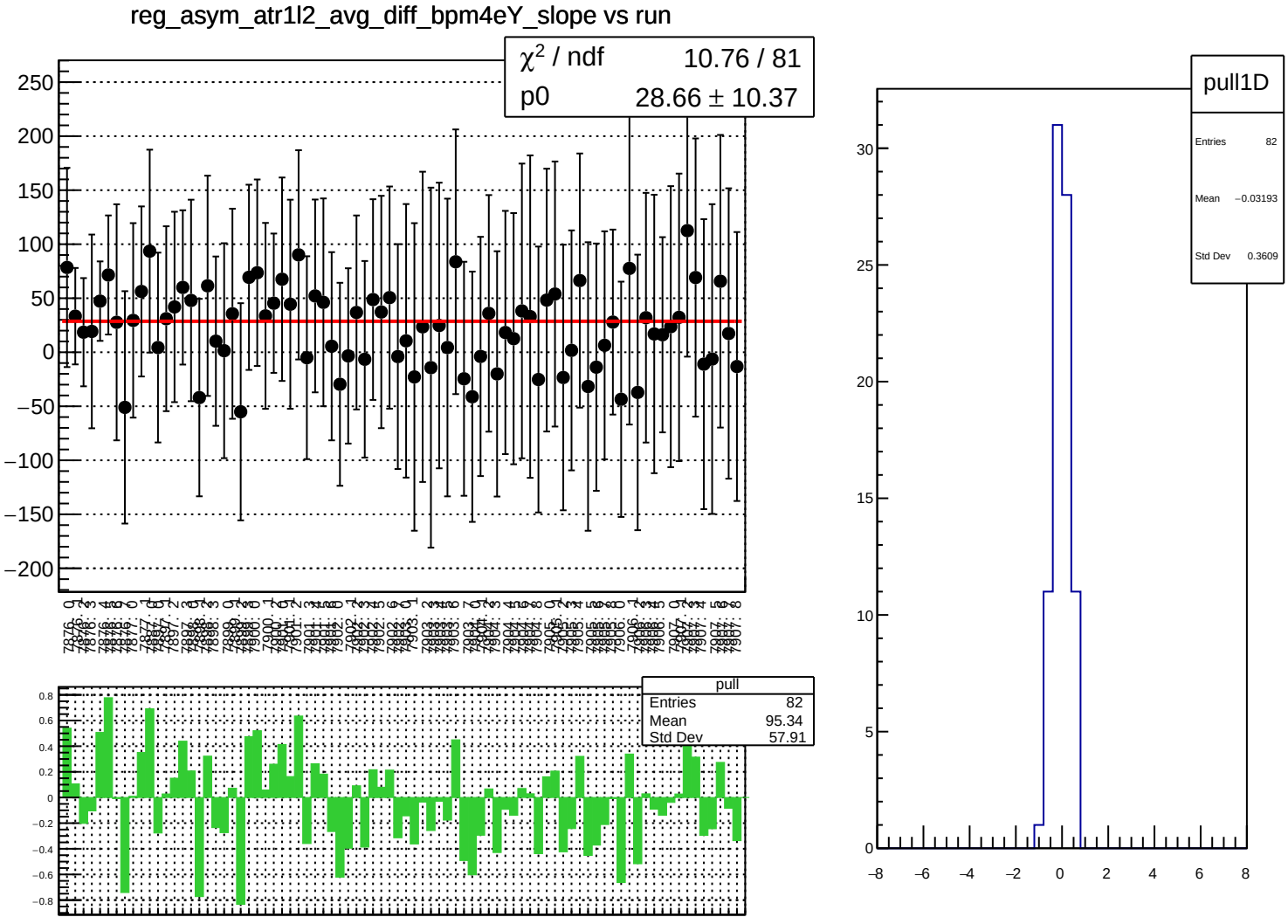

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 157 / 81
p0 −241 ± 7.838
pull
Entries 82
Mean 43.89
Std Dev 13

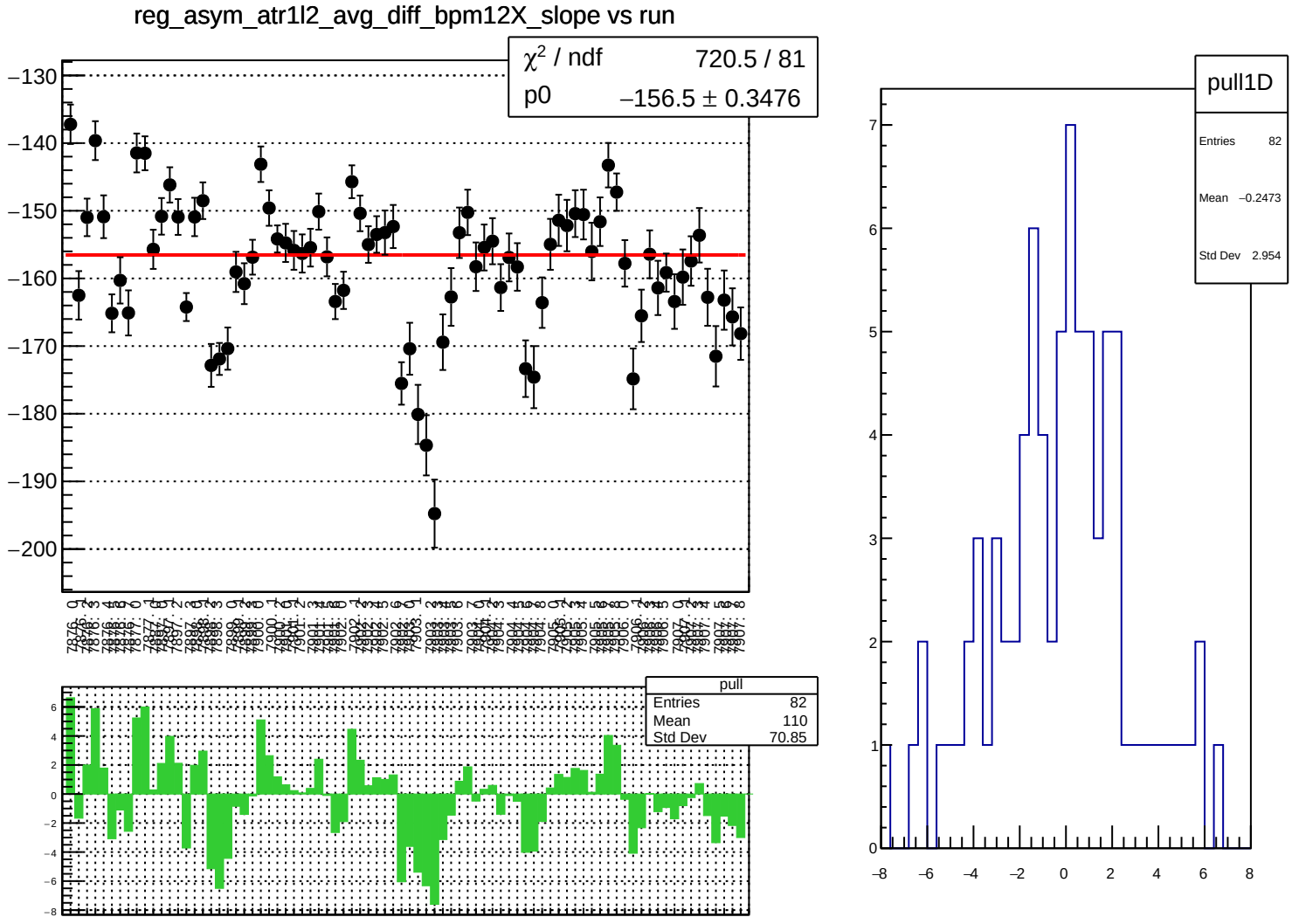

pull1D
Entries 82
Mean 0.4689
Std Dev 1.302

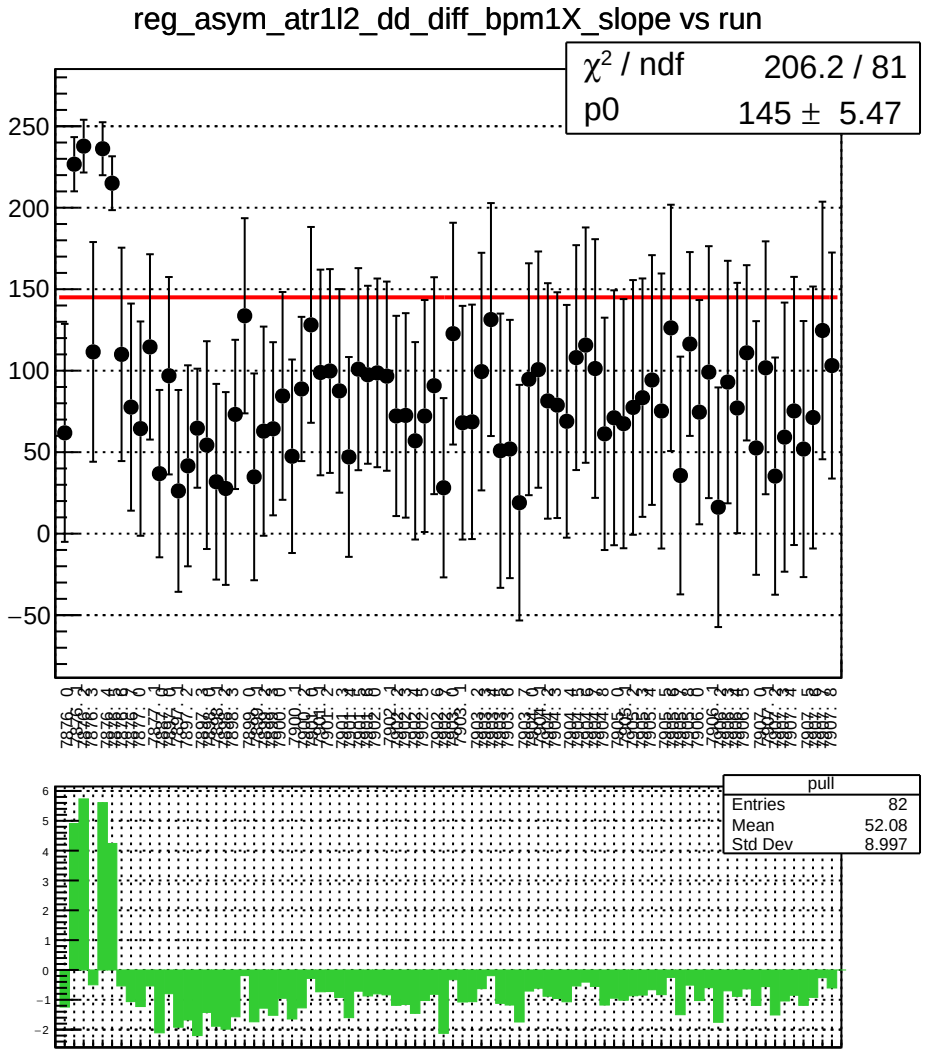

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.93 / 81
p0 33.63 ± 8.357
pull
Entries 82
Mean 79.2
Std Dev 39.43

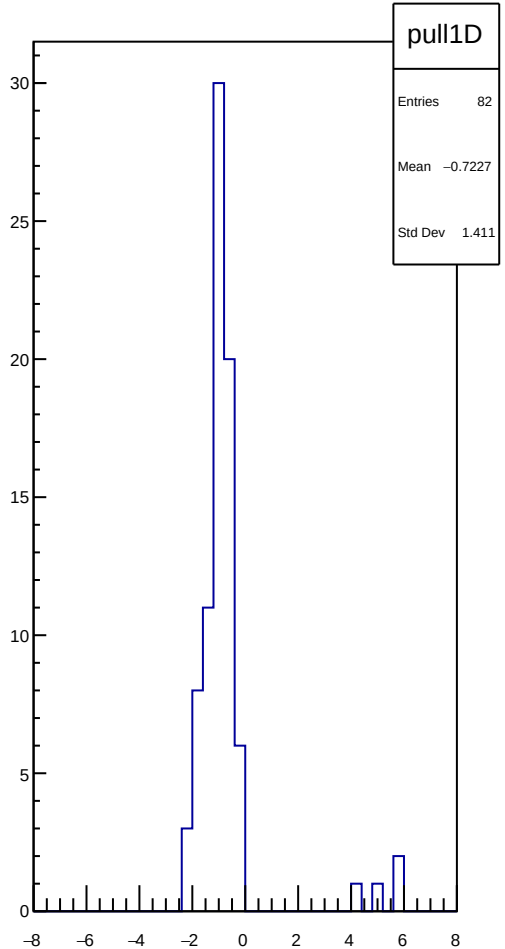

pull1D
Entries 82
Mean 0.0862
Std Dev 0.403

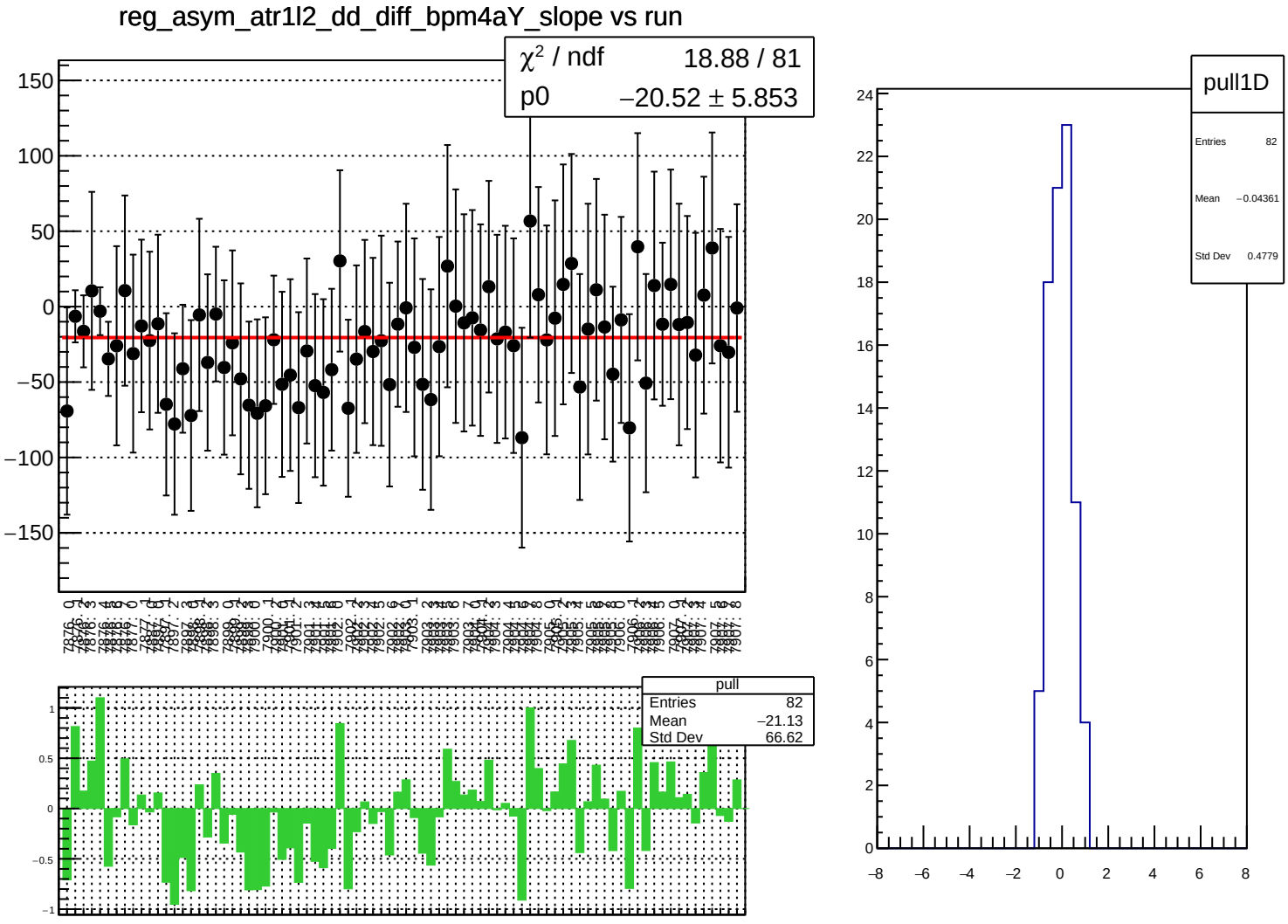

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 216 / 81
p0 162.4 ± 6.338
pull
Entries 82
Mean 45.99
Std Dev 13.03
pull1D
Entries 82
Mean −0.6468
Std Dev 1.489

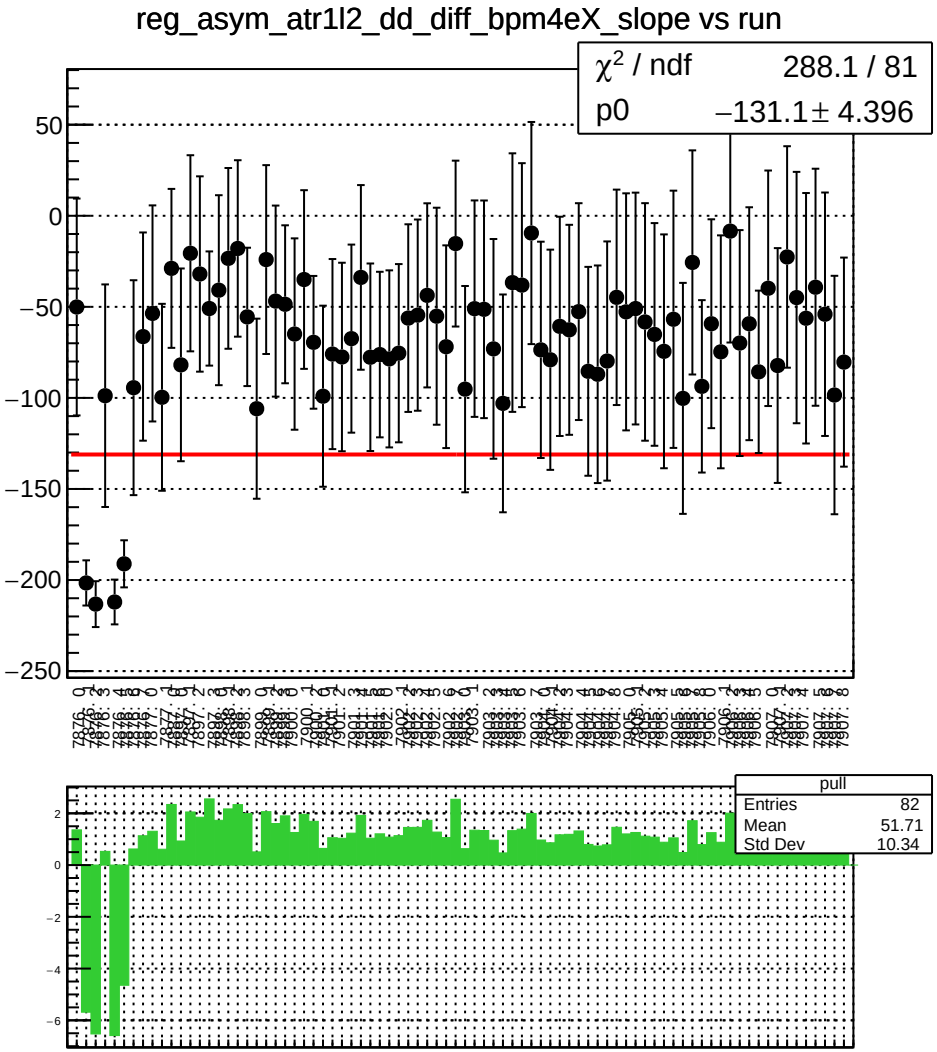

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.76 / 81
p0 28.66 ± 10.37
pull
Entries 82
Mean 95.34
Std Dev 57.91
pull1D
Entries 82
Mean −0.03193
Std Dev 0.3609

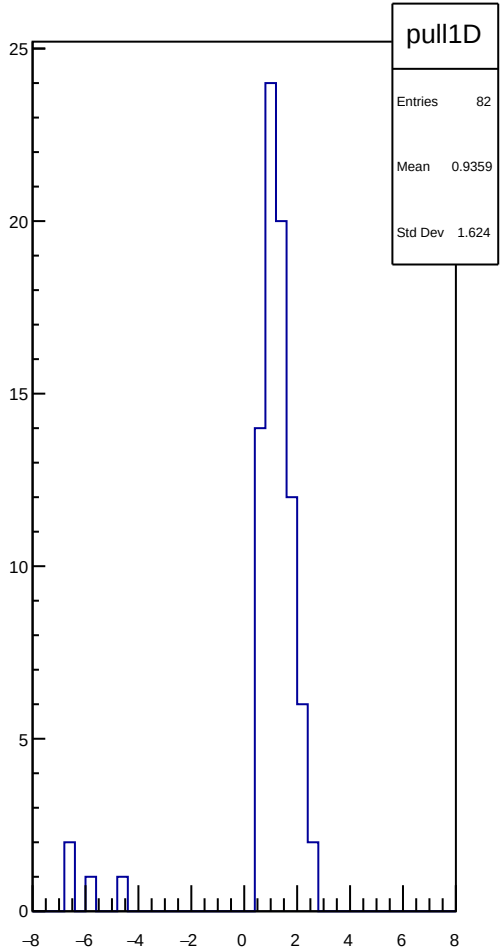

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 720.5 / 81
p0 −156.5 ± 0.3476
pull
Entries 82
Mean 110
Std Dev 70.85
pull1D
Entries 82
Mean −0.2473
Std Dev 2.954

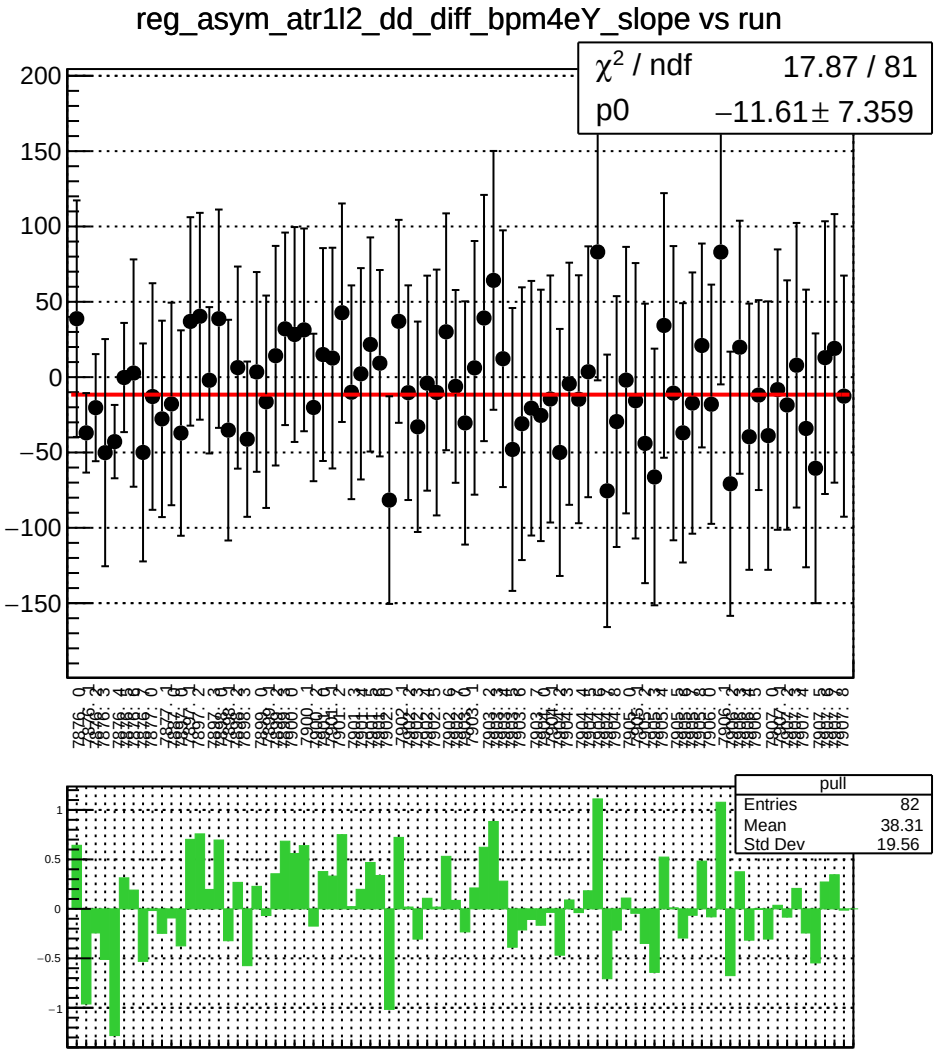

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 206.2 / 81
p0 145 ± 5.47
pull
Entries 82
Mean 52.08
Std Dev 8.997

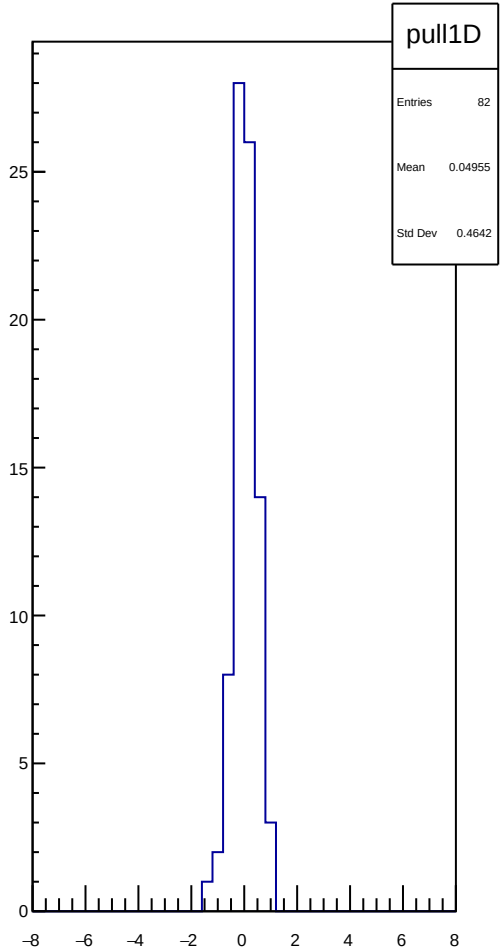

pull1D
Entries 82
Mean −0.7227
Std Dev 1.411

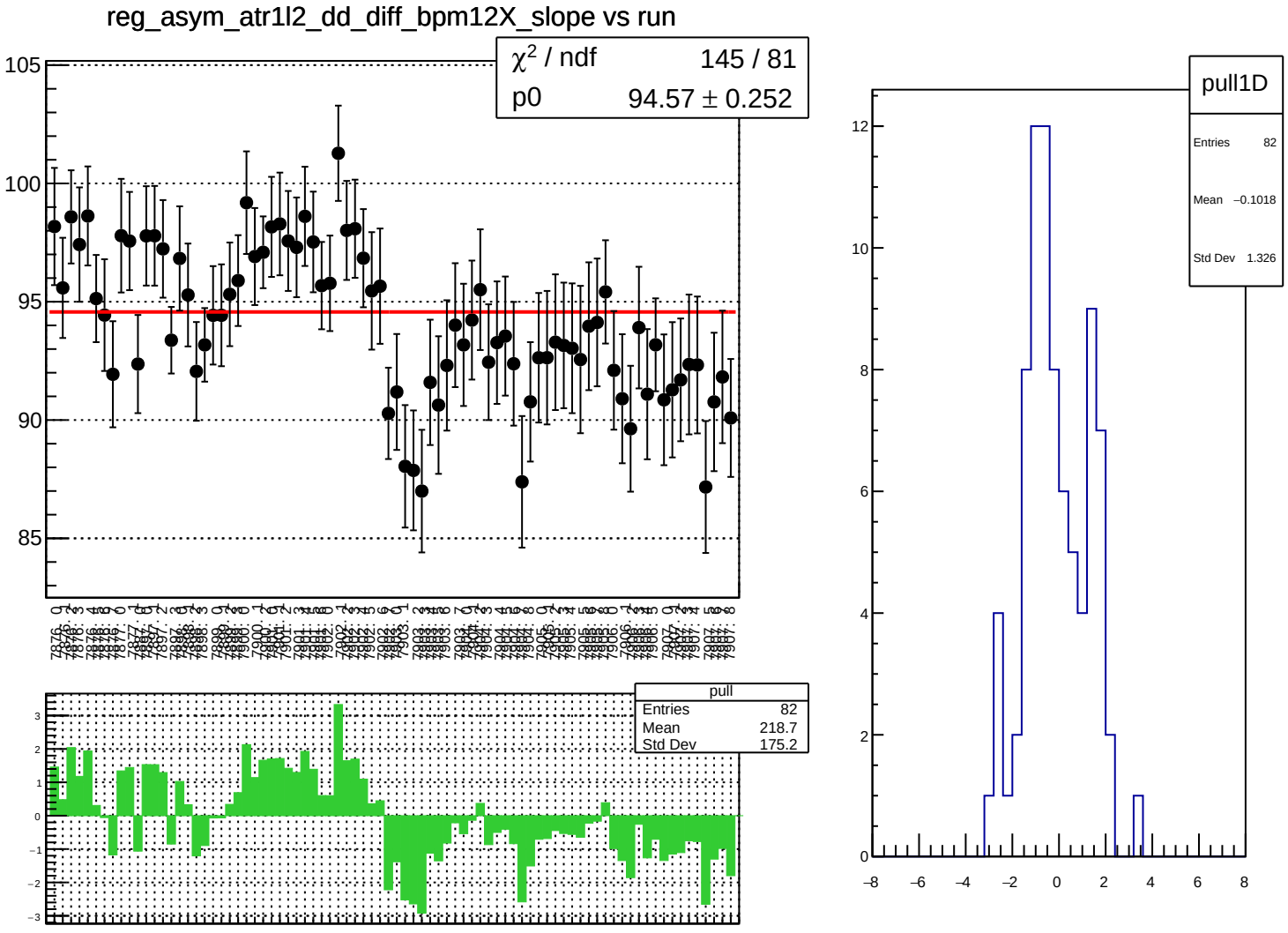

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.88 / 81
p0 −20.52 ± 5.853
pull
Entries 82
Mean −21.13
Std Dev 66.62
pull1D
Entries 82
Mean −0.04361
Std Dev 0.4779

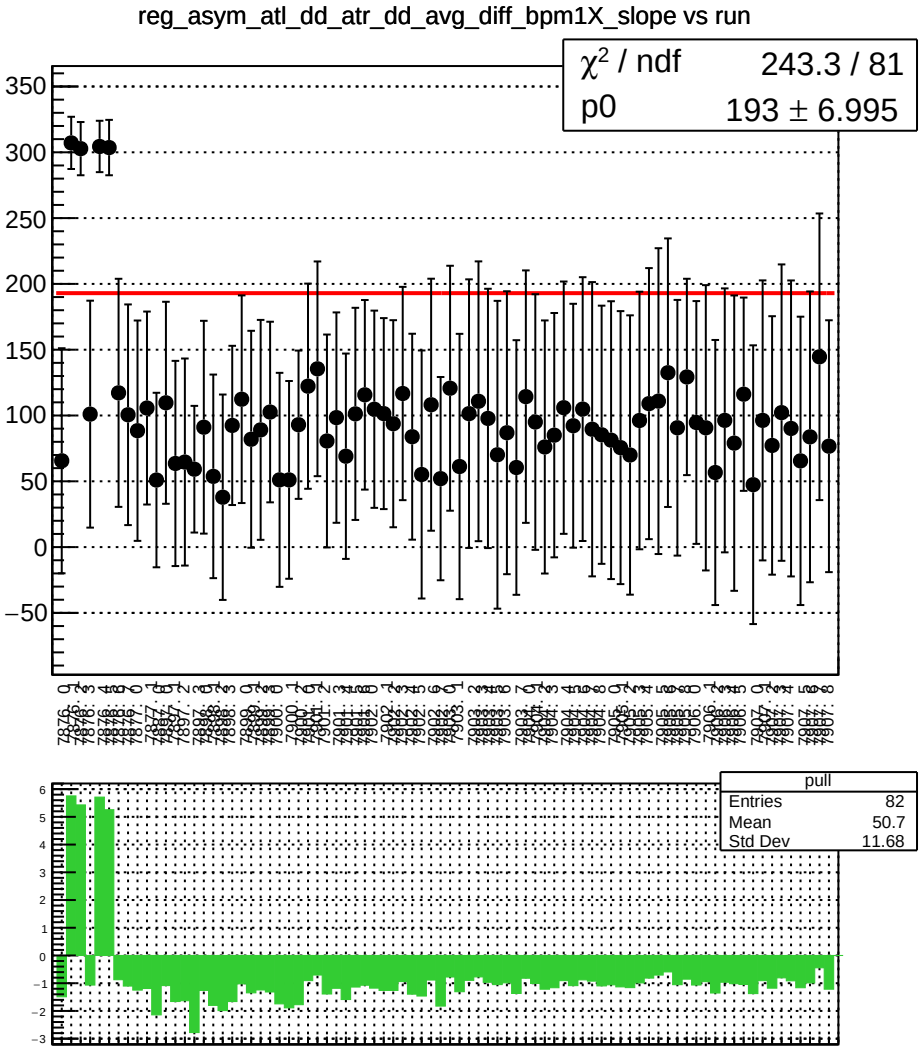

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 288.1 / 81
p0 −131.1 ± 4.396
pull
Entries 82
Mean 51.71
Std Dev 10.34

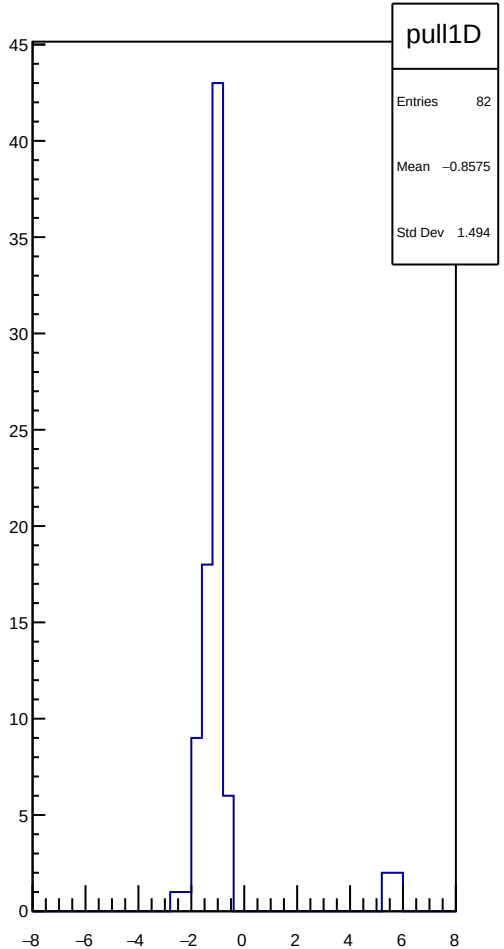

pull1D
Entries 82
Mean 0.9359
Std Dev 1.624

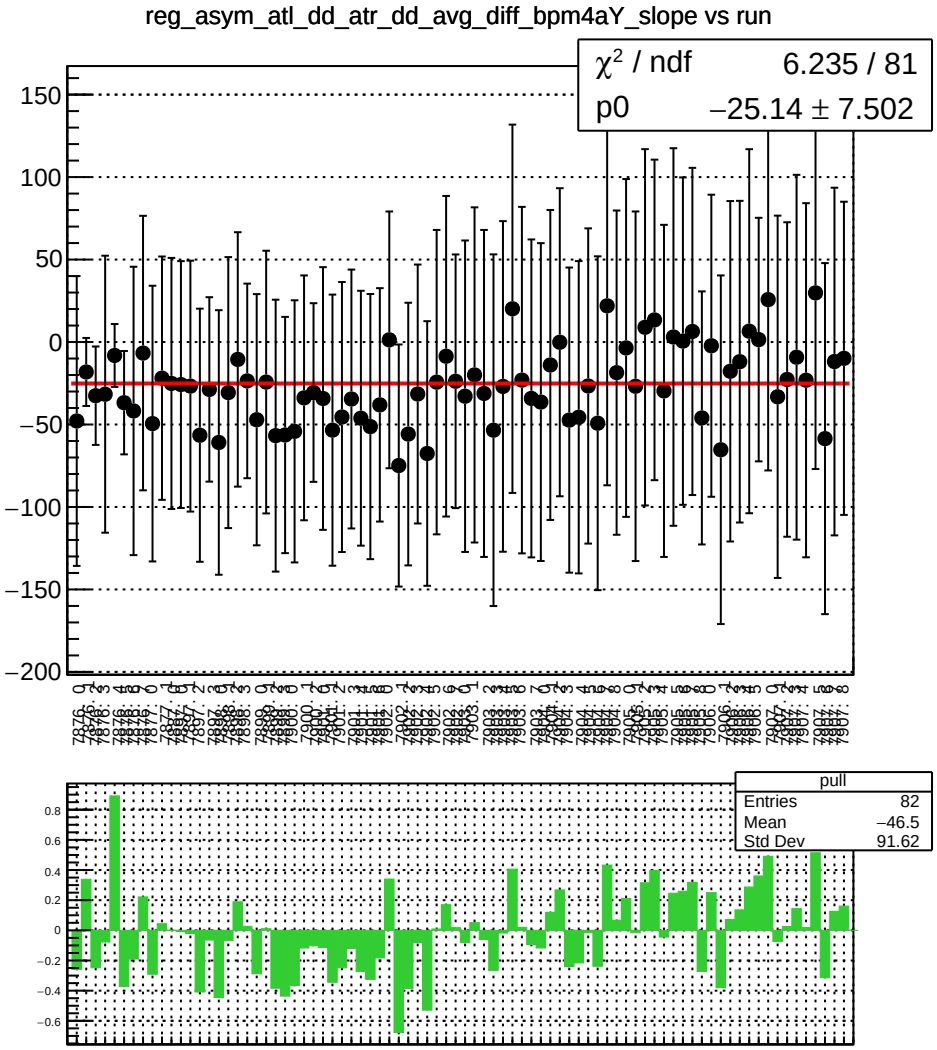

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.87 / 81
p0 −11.61 ± 7.359
pull
Entries 82
Mean 38.31
Std Dev 19.56

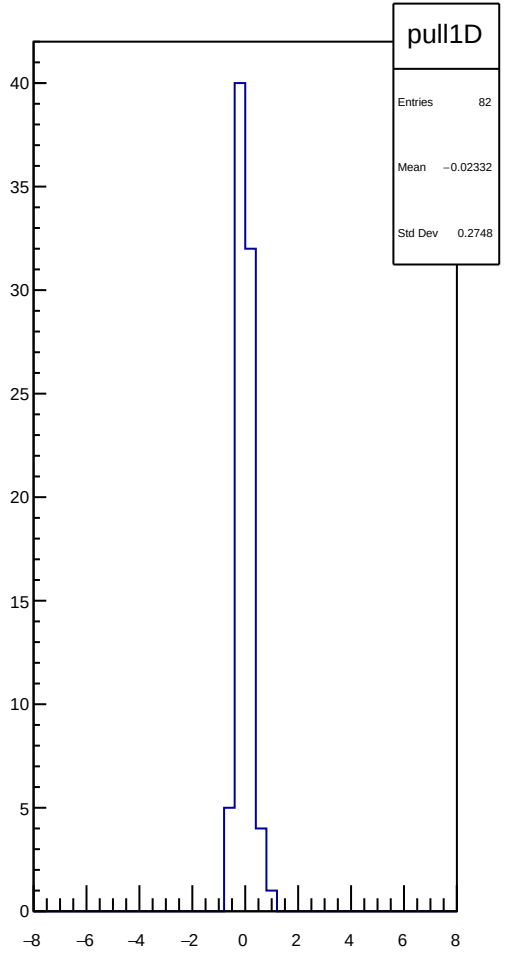

pull1D
Entries 82
Mean 0.04955
Std Dev 0.4642

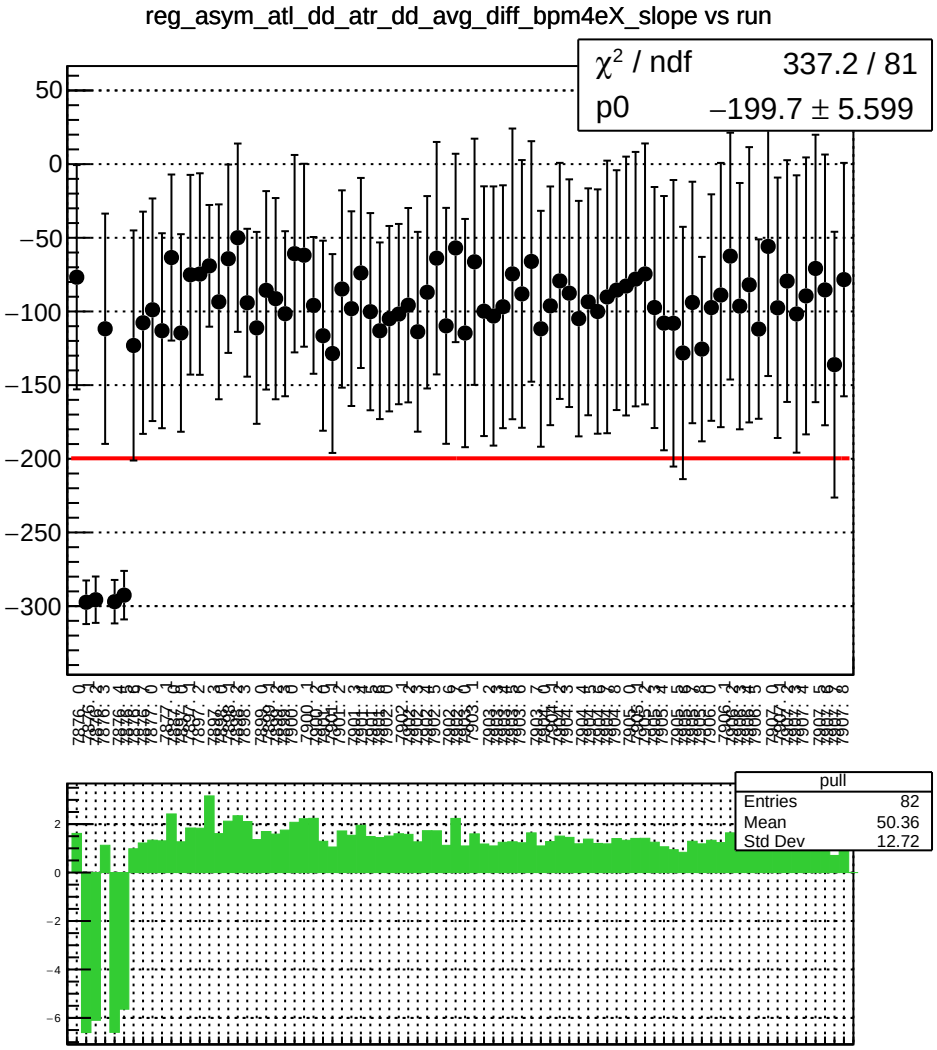

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 145 / 81
p0 94.57 ± 0.252
105
100
95
90
85
pull
Entries 82
Mean 218.7
Std Dev 175.2
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.1018
Std Dev 1.326
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

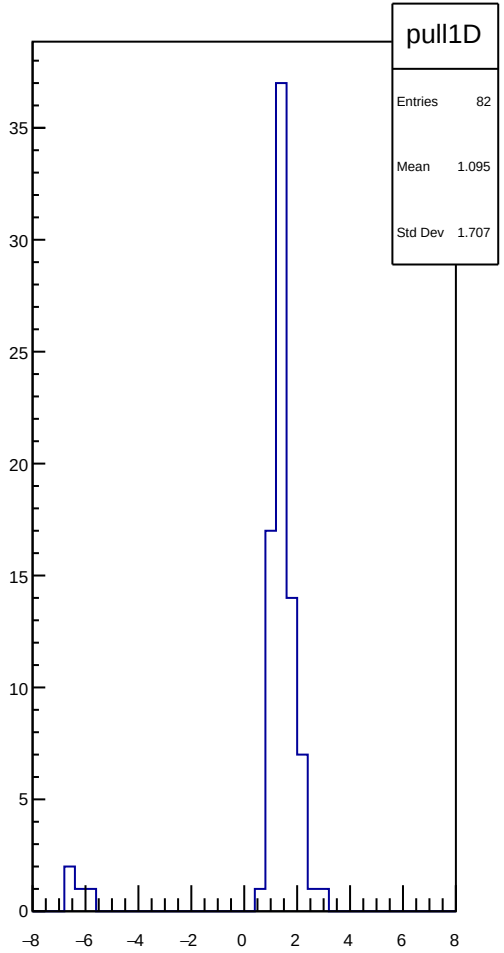

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 243.3 / 81
p0 193 ± 6.995
pull
Entries 82
Mean 50.7
Std Dev 11.68

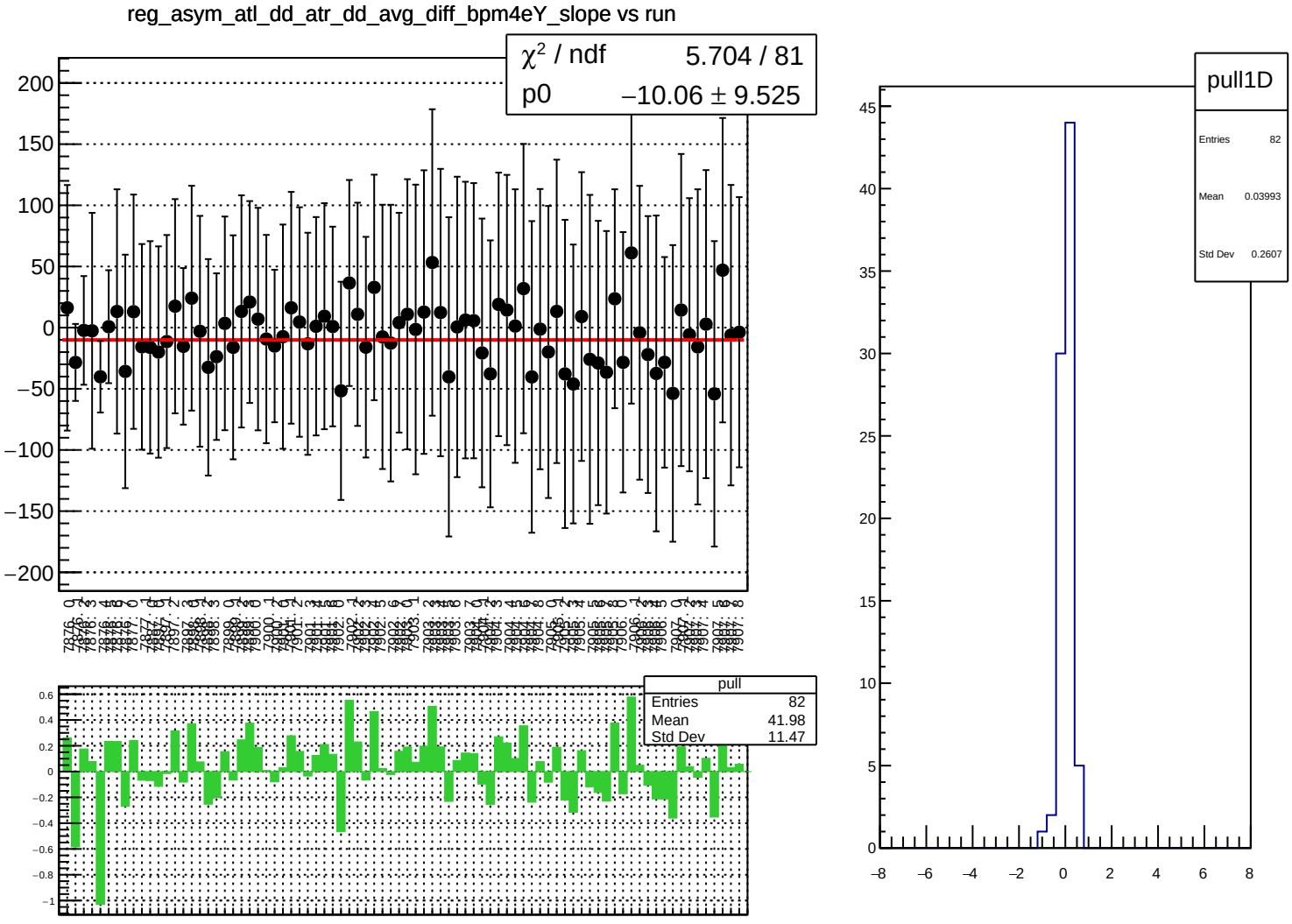

pull1D
Entries 82
Mean −0.8575
Std Dev 1.494


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.235 / 81
p0 −25.14 ± 7.502
pull
Entries 82
Mean −46.5
Std Dev 91.62

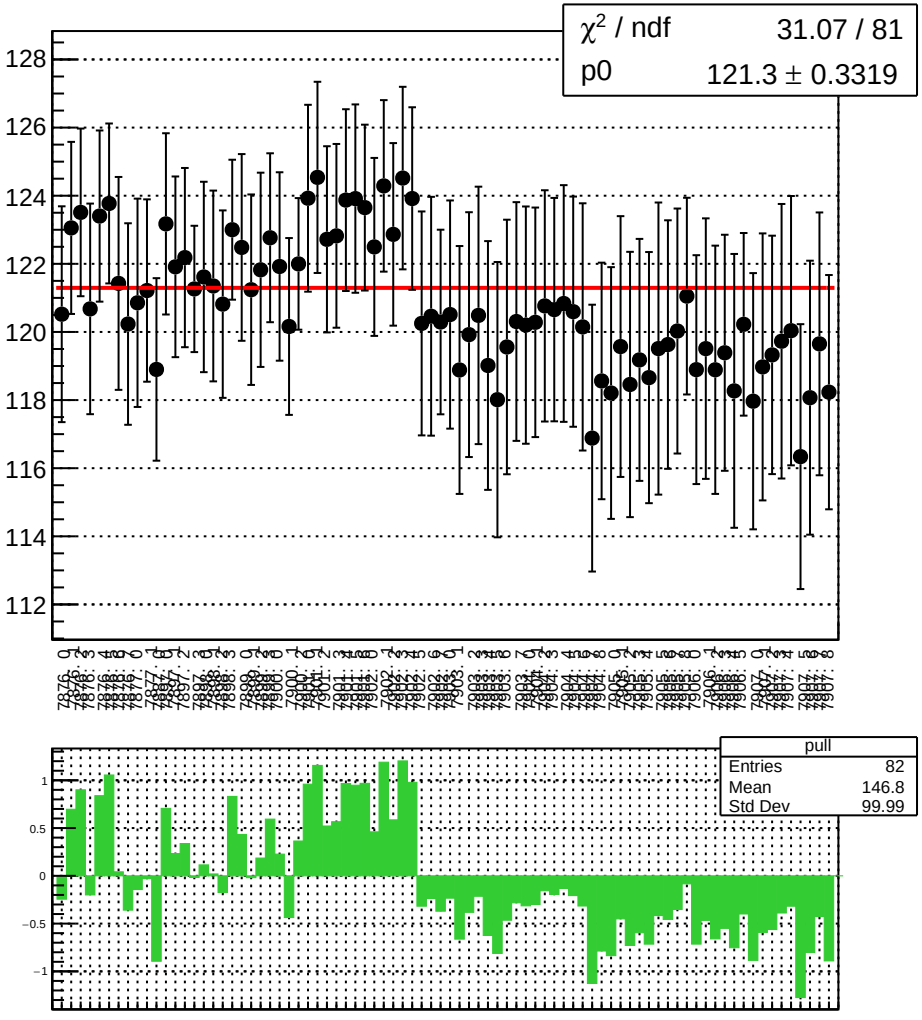

pull1D
Entries 82
Mean −0.02332
Std Dev 0.2748

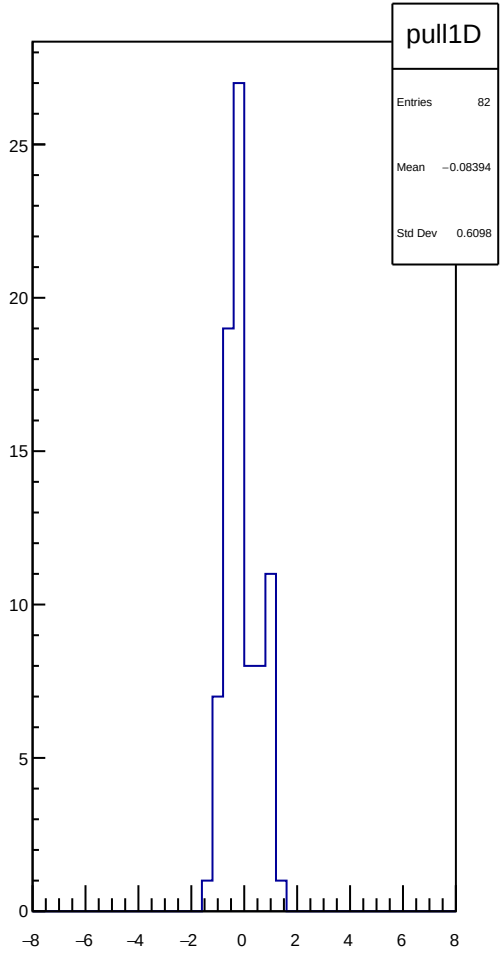

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 337.2 / 81
p0 −199.7 ± 5.599
pull
Entries 82
Mean 50.36
Std Dev 12.72

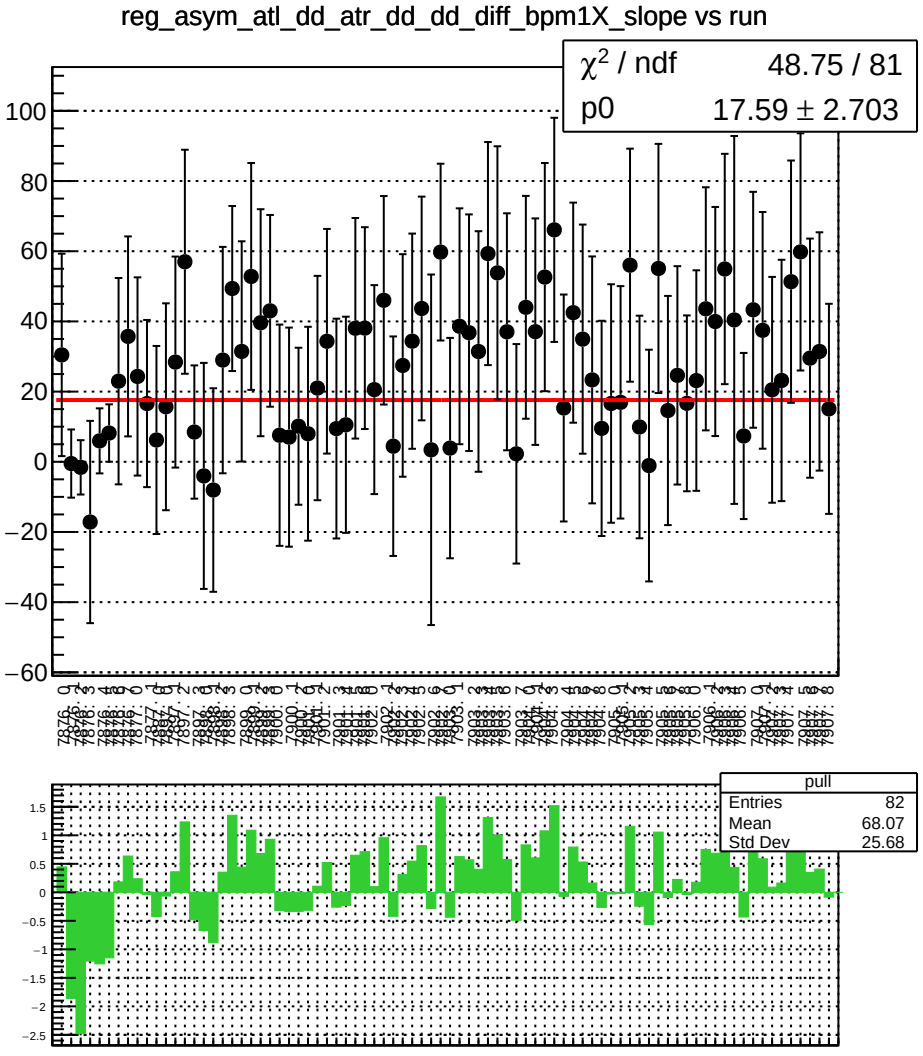

pull1D
Entries 82
Mean 1.095
Std Dev 1.707

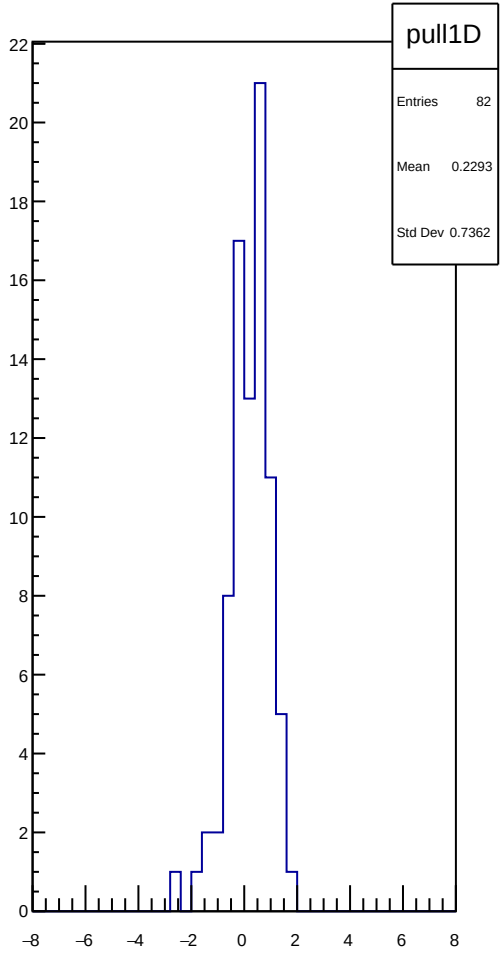

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.704 / 81
p0 −10.06 ± 9.525
pull
Entries 82
Mean 41.98
Std Dev 11.47
pull1D
Entries 82
Mean 0.03993
Std Dev 0.2607

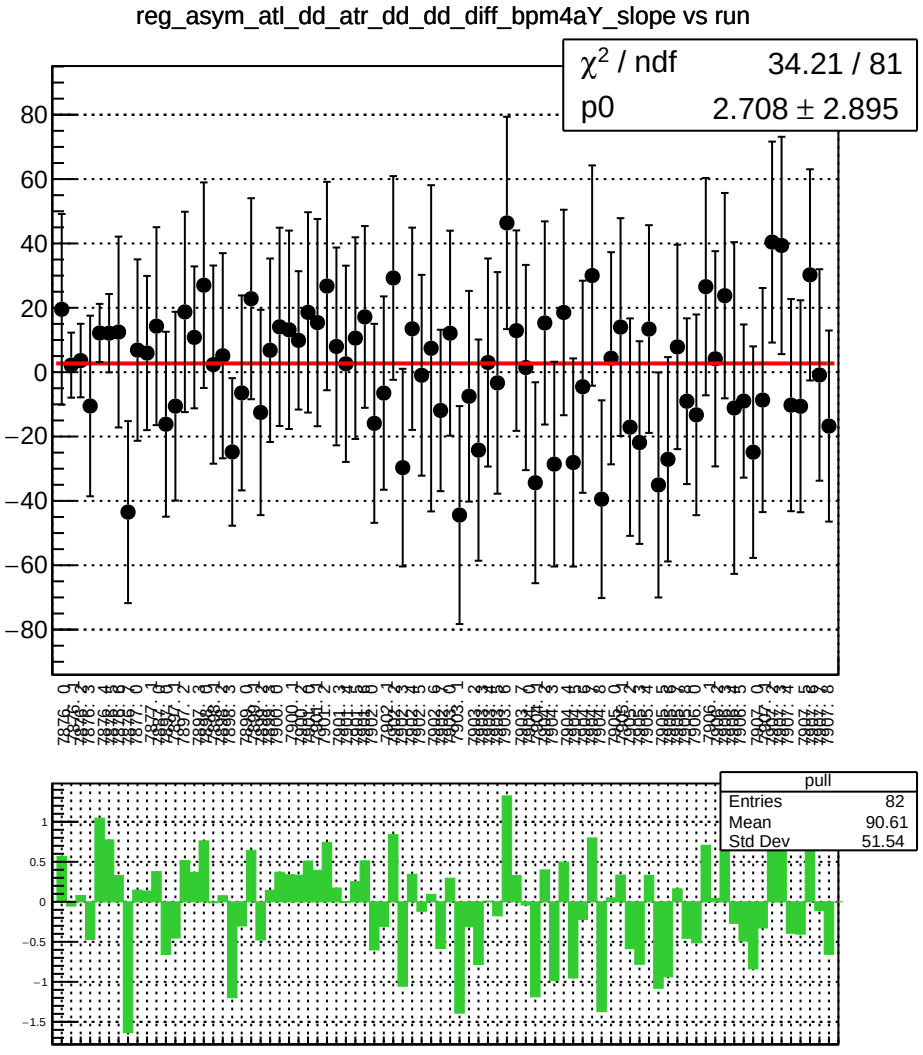
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run

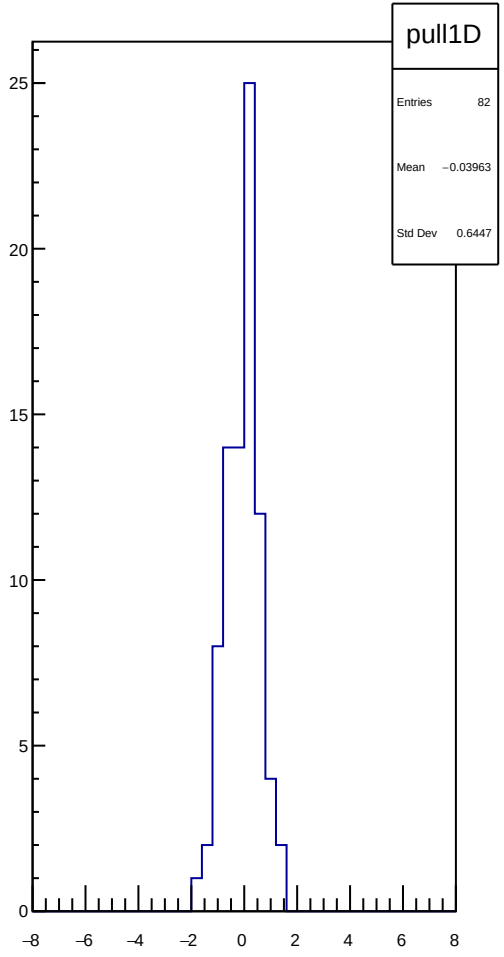


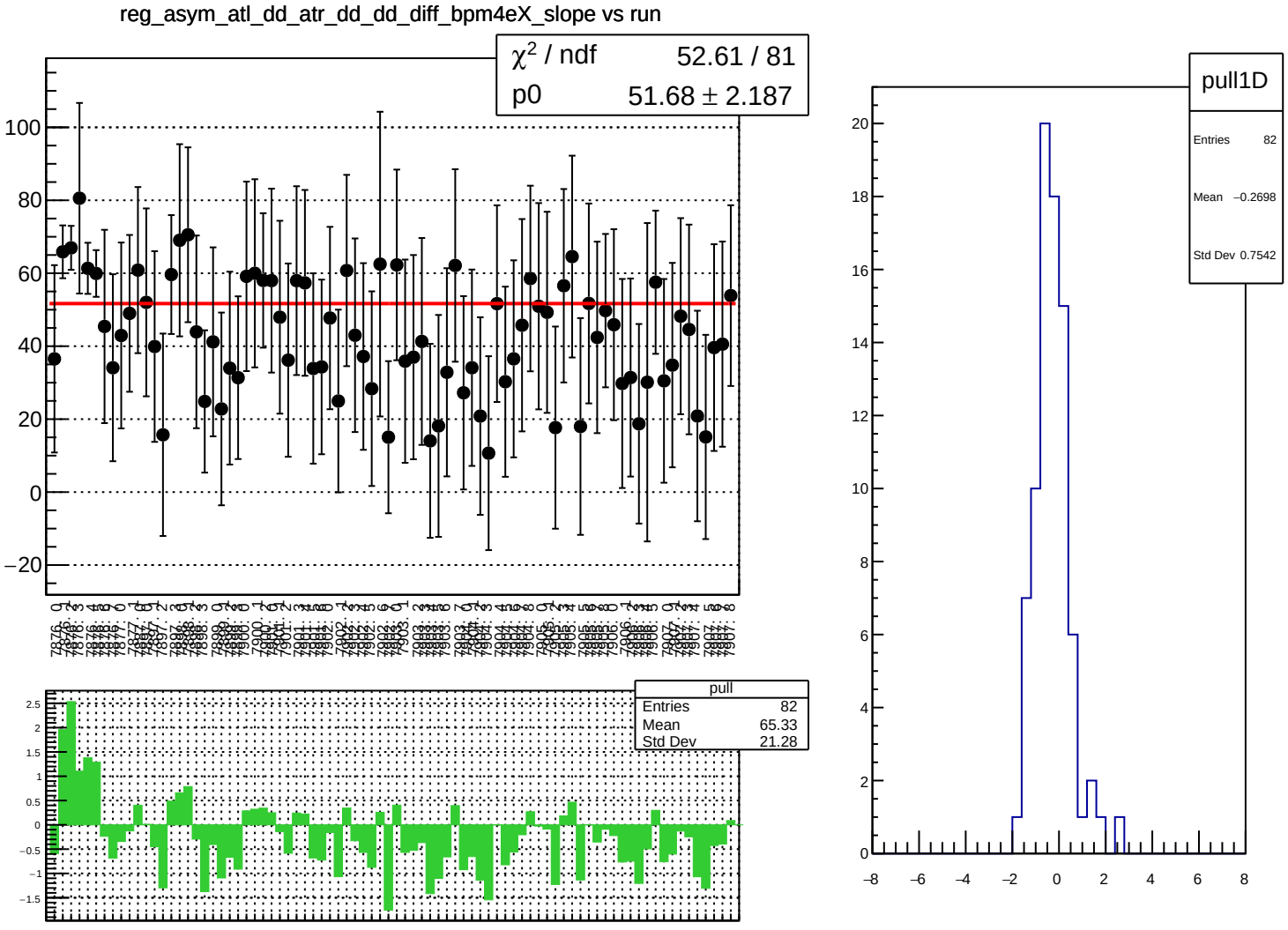


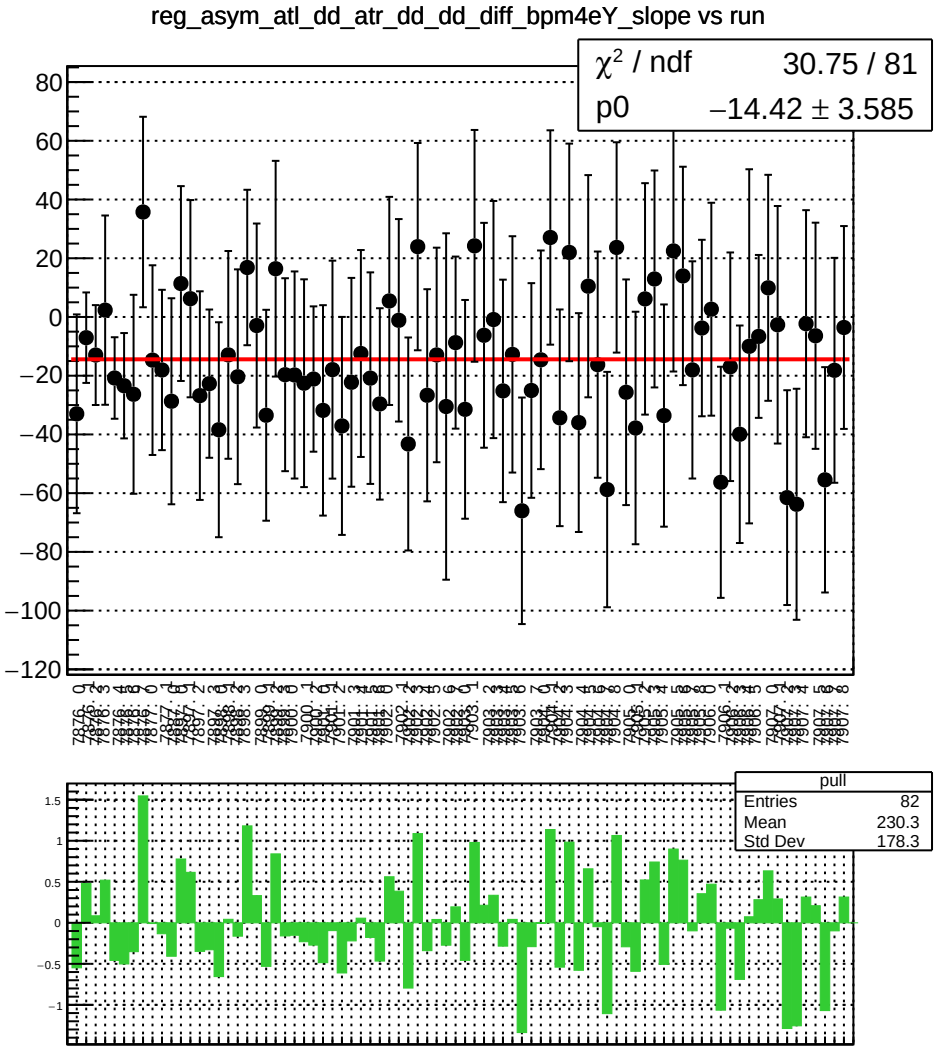

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 48.75 / 81
p0 17.59 ± 2.703
pull
Entries 82
Mean 68.07
Std Dev 25.68

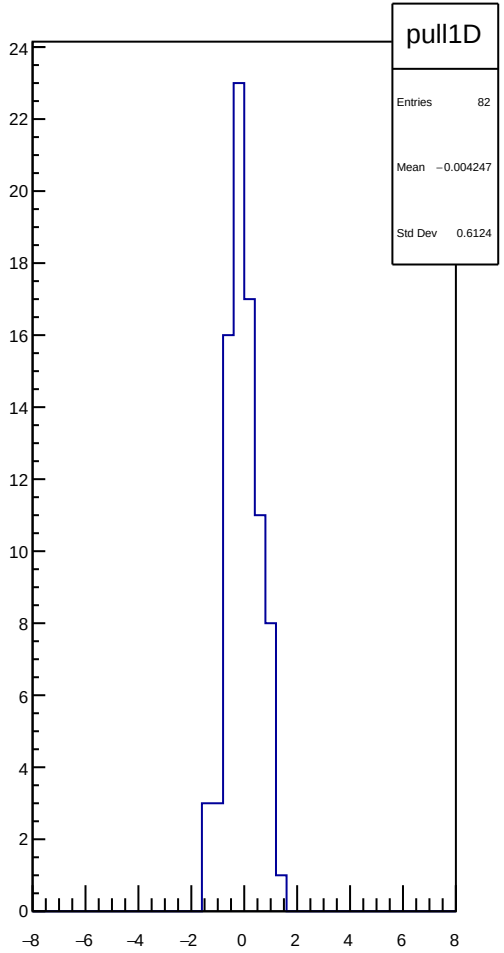

pull1D
Entries 82
Mean 0.2293
Std Dev 0.7362


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.21 / 81
p0 2.708 ± 2.895
pull
Entries 82
Mean 90.61
Std Dev 51.54

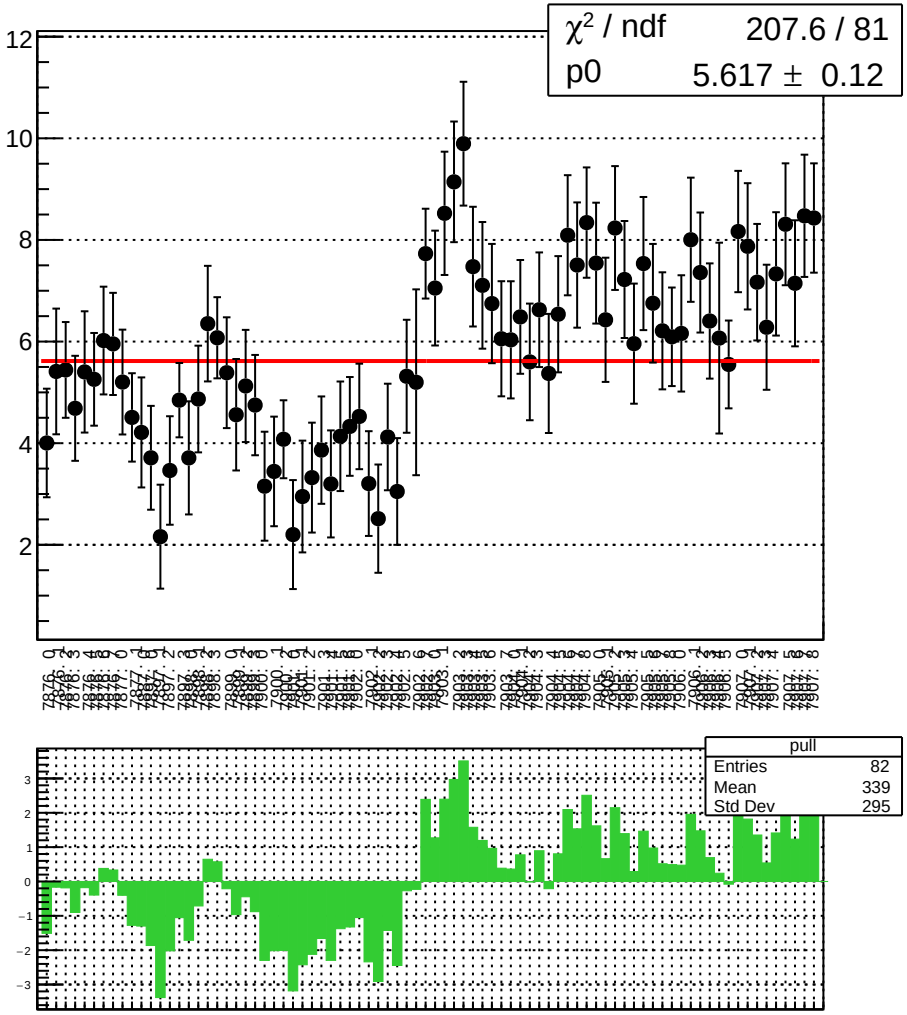

pull1D
Entries 82
Mean −0.03963
Std Dev 0.6447

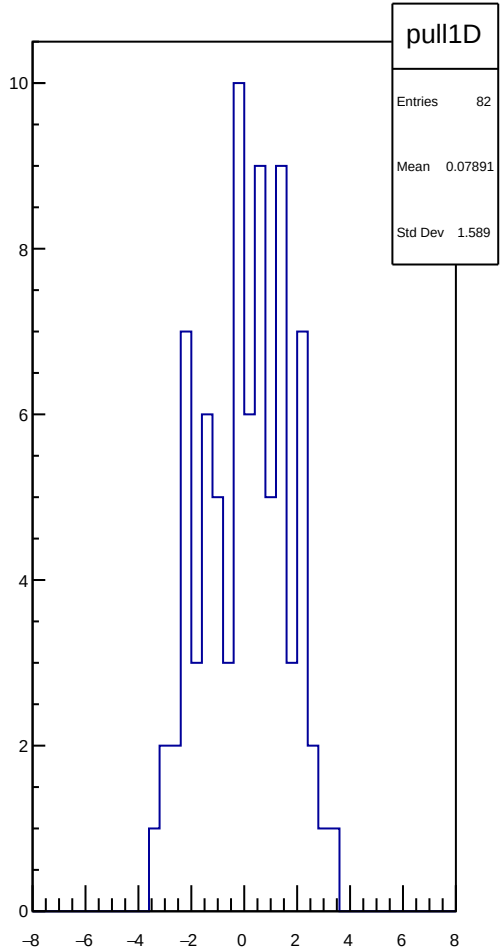

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.61 / 81
p0 51.68 ± 2.187
pull
Entries 82
Mean 65.33
Std Dev 21.28
pull1D
Entries 82
Mean −0.2698
Std Dev 0.7542


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.75 / 81
p0 −14.42 ± 3.585
pull
Entries 82
Mean 230.3
Std Dev 178.3

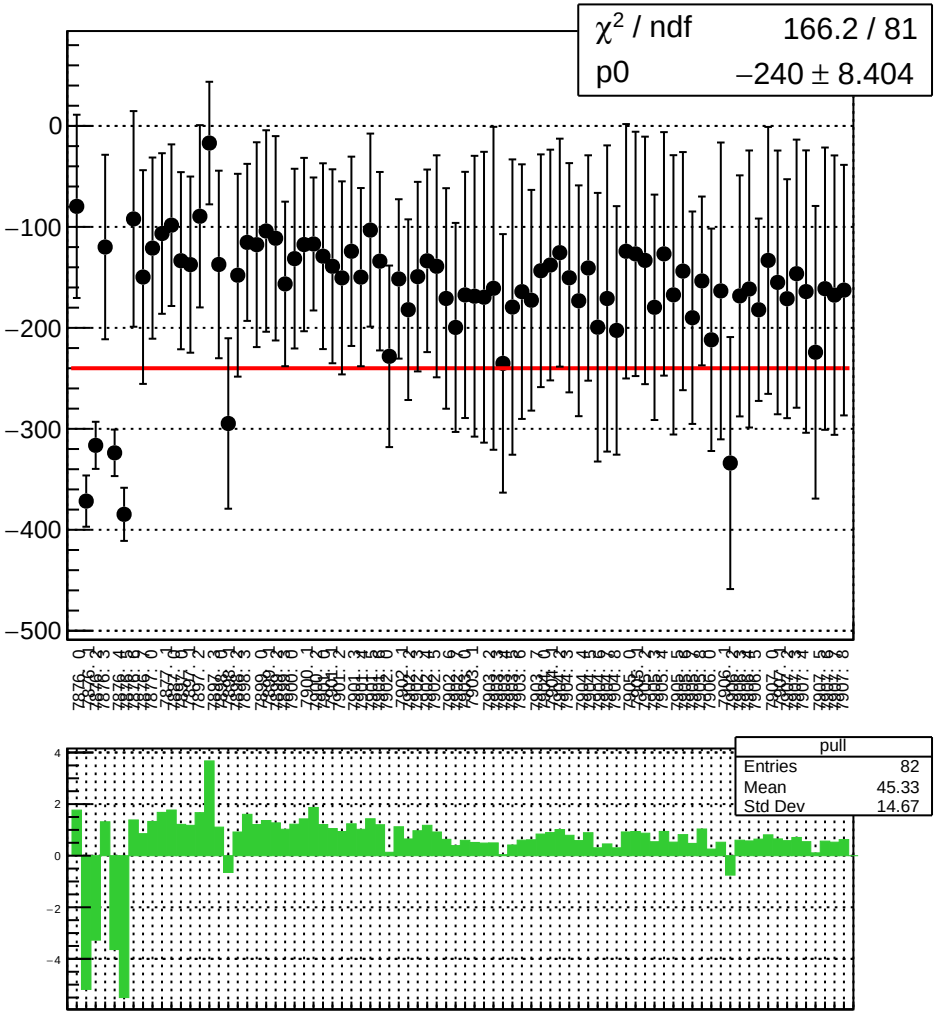

pull1D
Entries 82
Mean −0.004247
Std Dev 0.6124

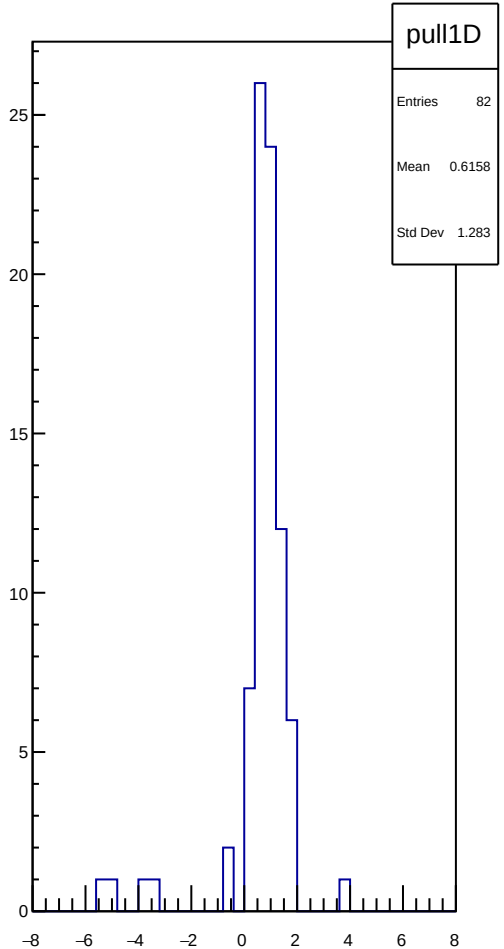
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run

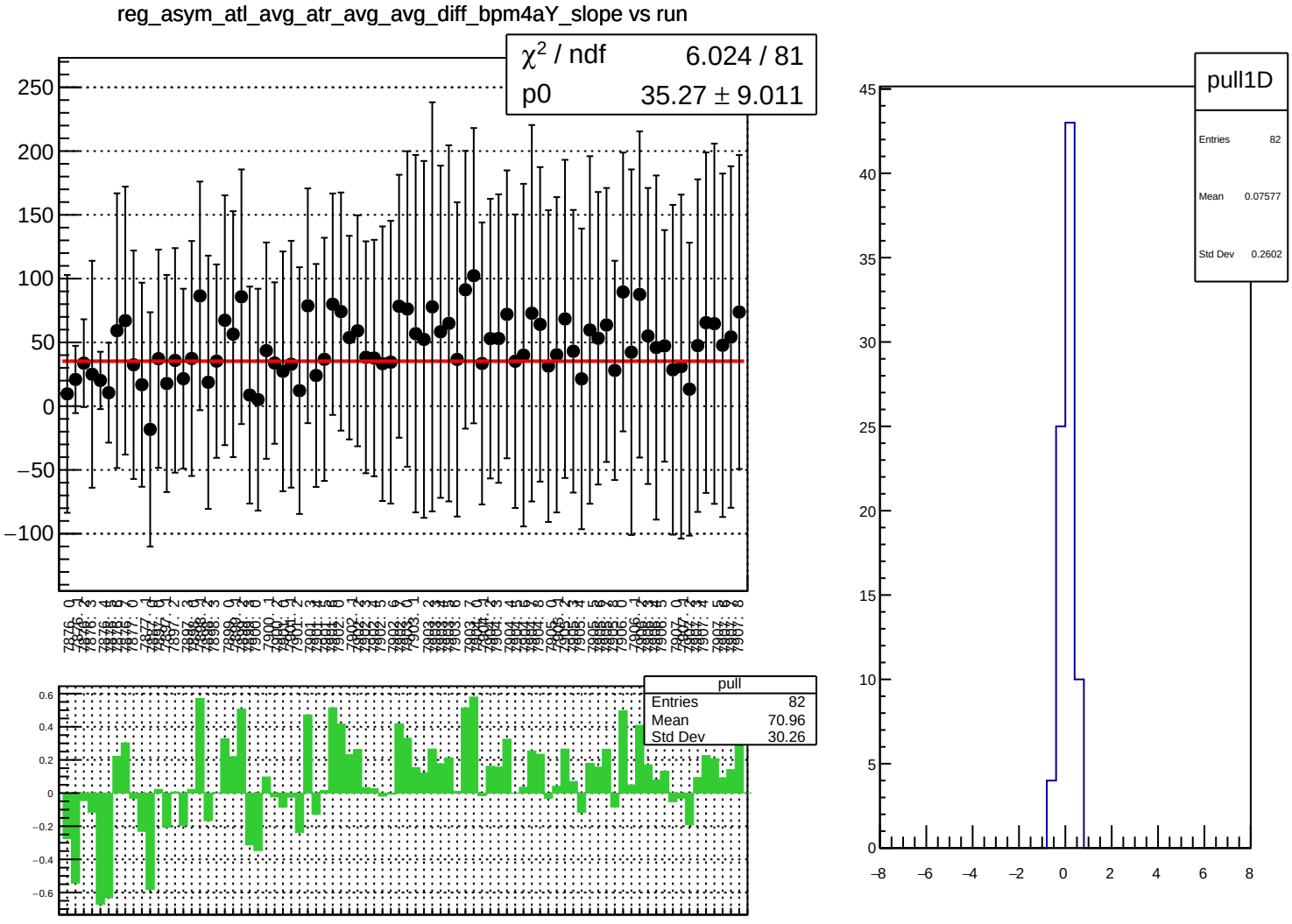




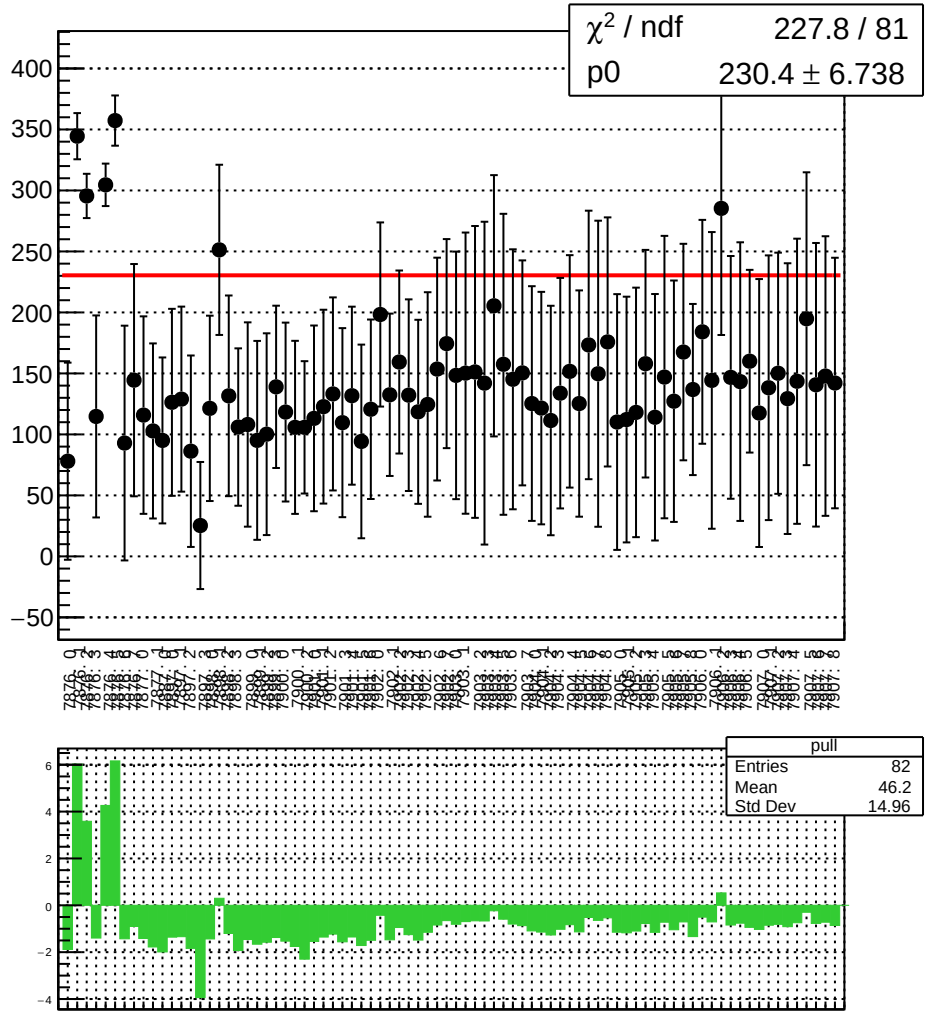
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run

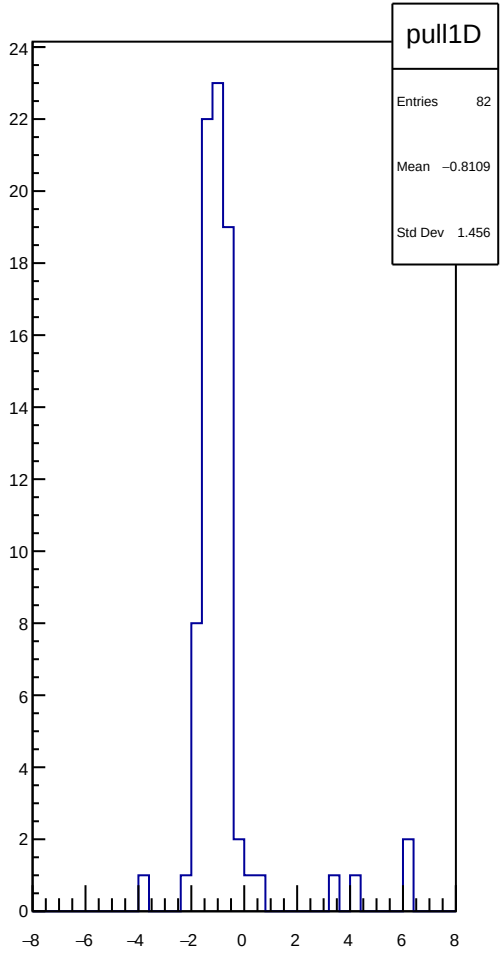


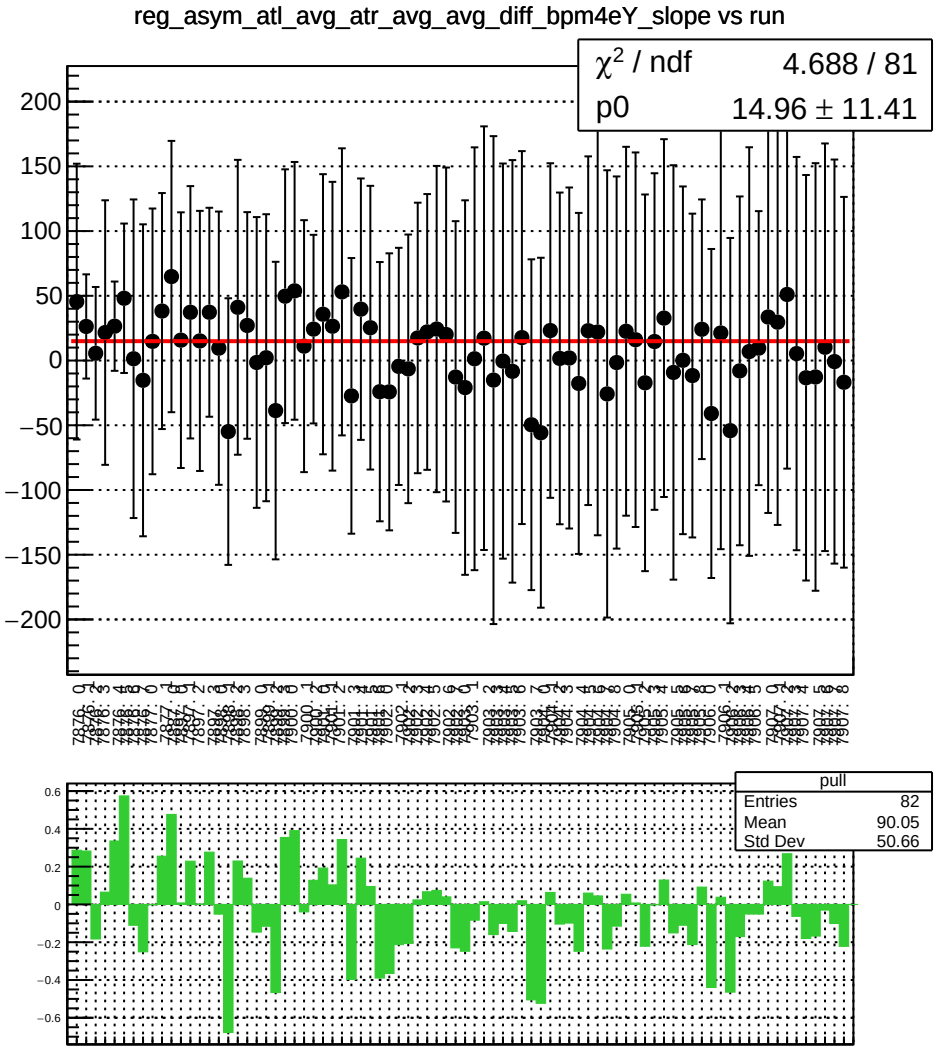


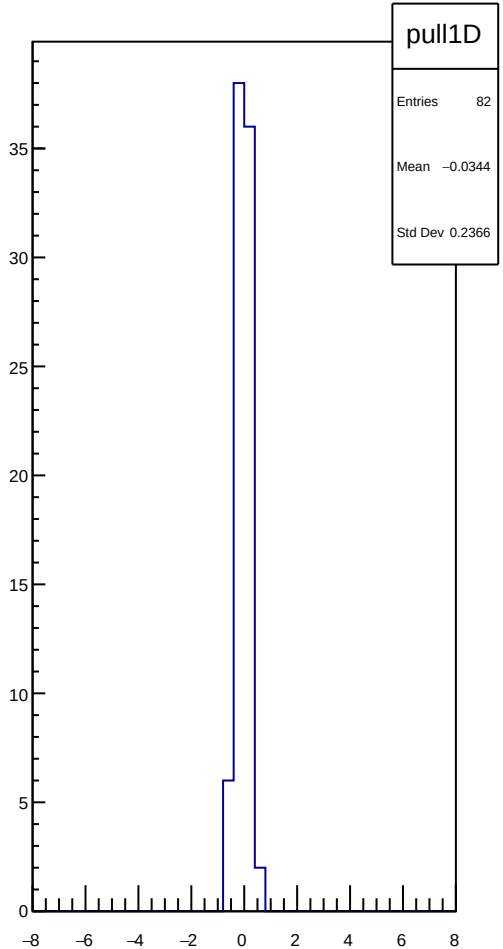

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.024 / 81
p0 35.27 ± 9.011
pull
Entries 82
Mean 70.96
Std Dev 30.26
pull1D
Entries 82
Mean 0.07577
Std Dev 0.2602

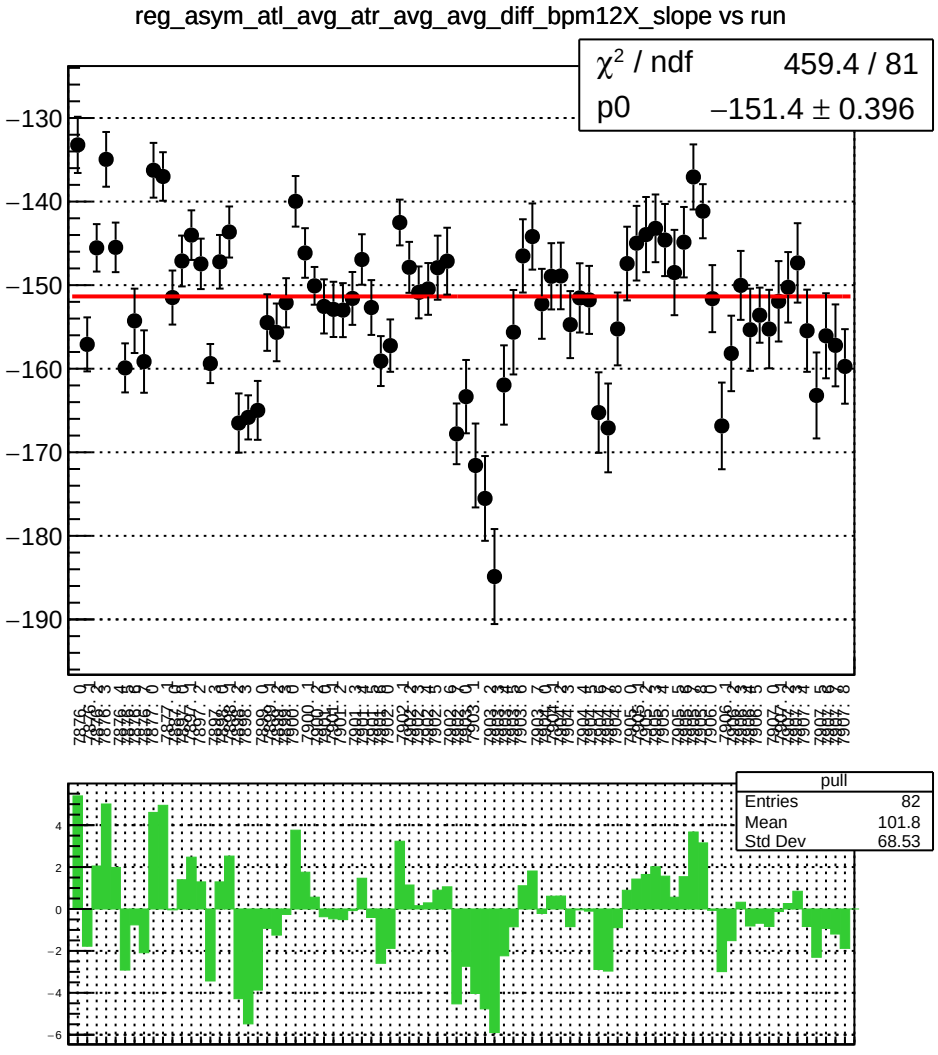
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

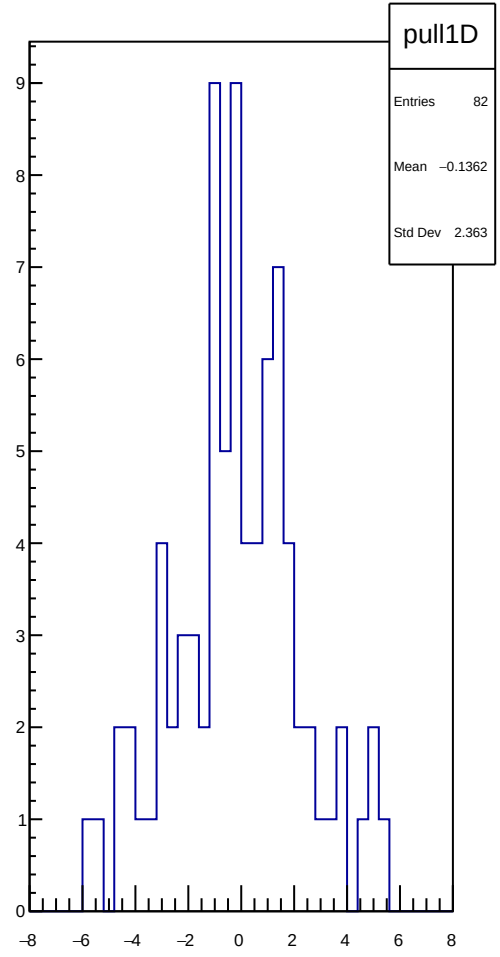


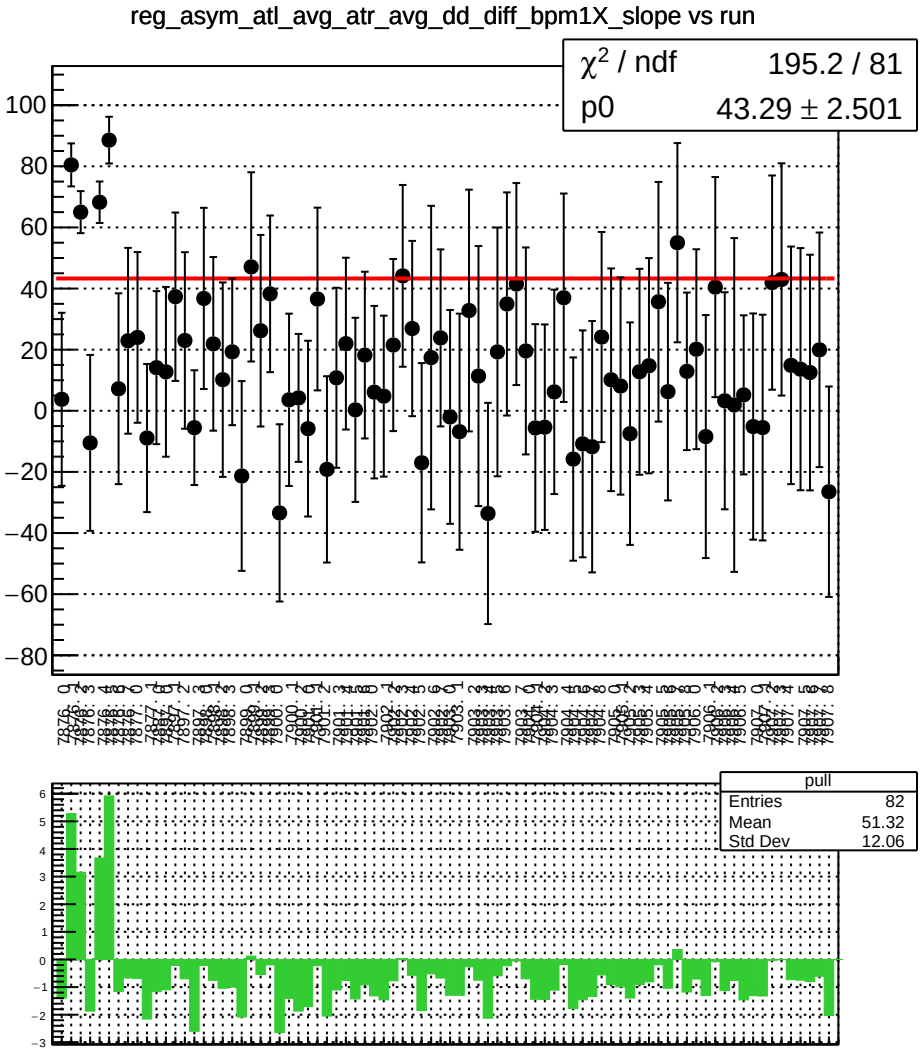


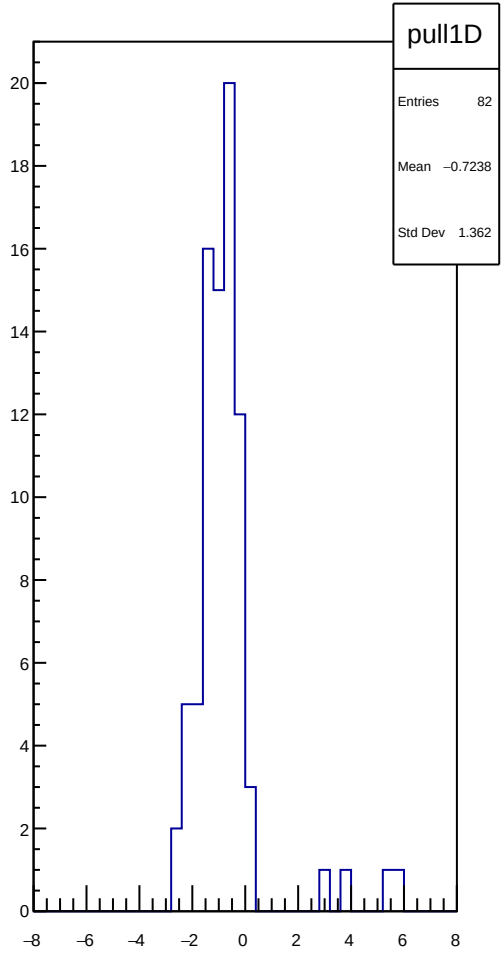

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.688 / 81
p0 14.96 ± 11.41
pull
Entries 82
Mean 90.05
Std Dev 50.66

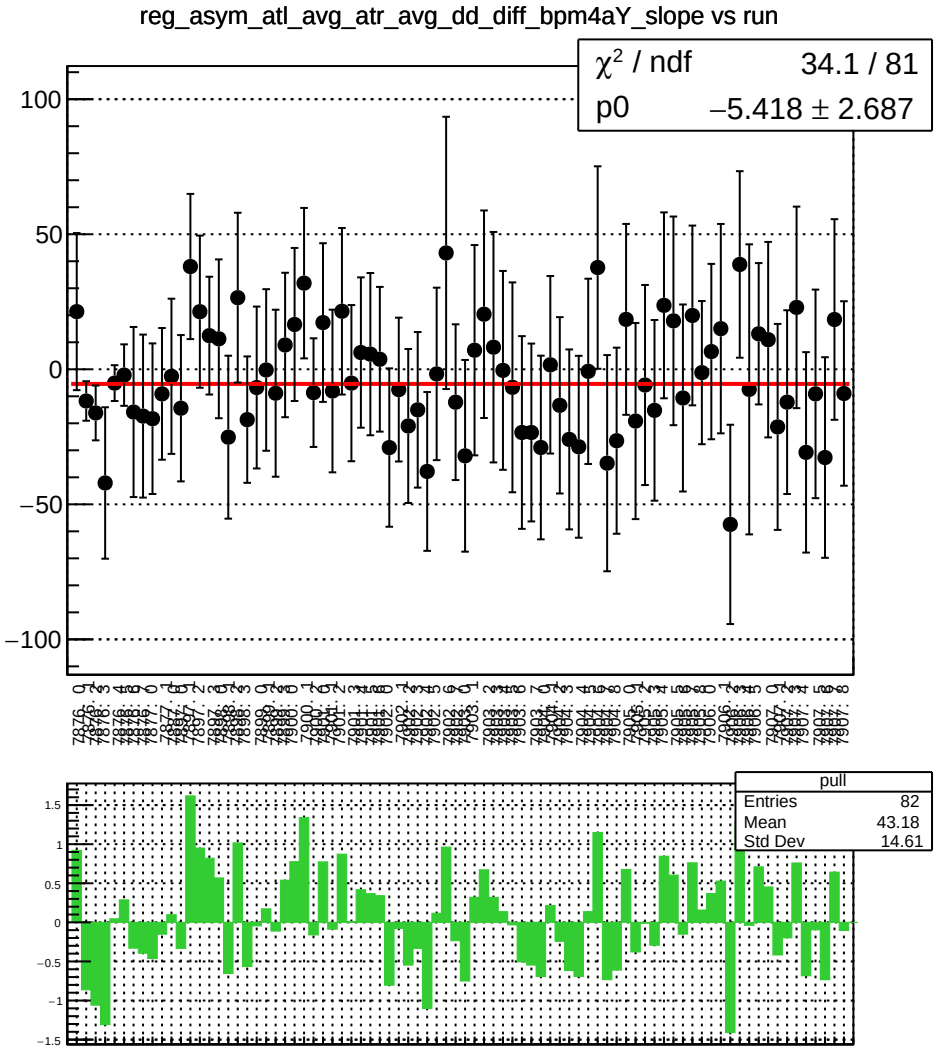

pull1D
Entries 82
Mean −0.0344
Std Dev 0.2366

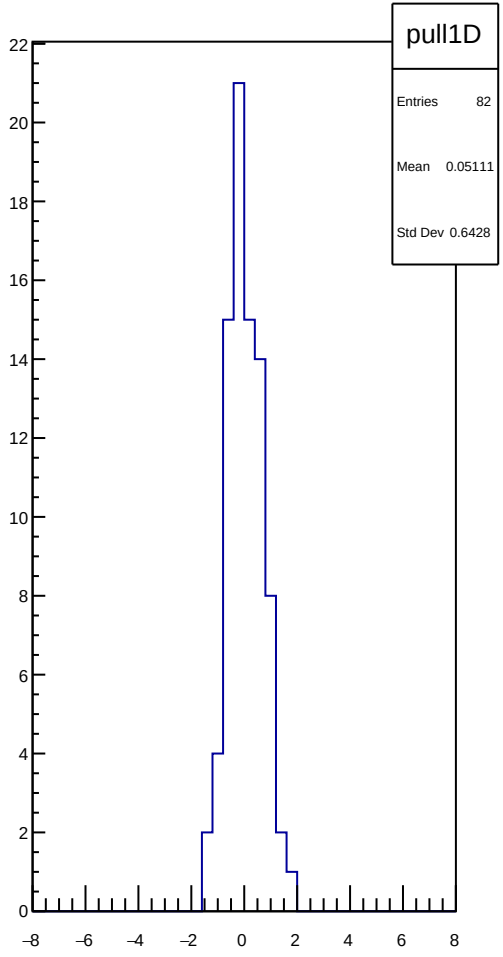

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 459.4 / 81
p0 −151.4 ± 0.396
pull
Entries 82
Mean 101.8
Std Dev 68.53


pull1D
Entries 82
Mean −0.1362
Std Dev 2.363

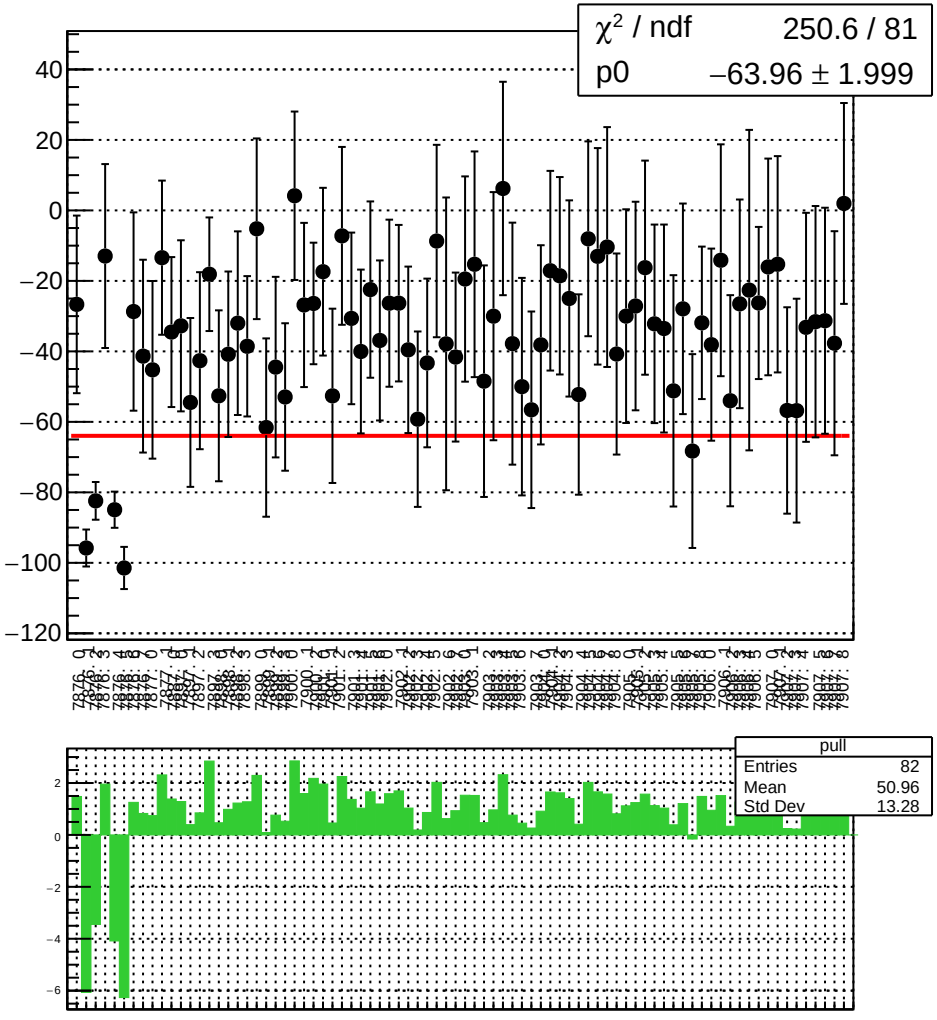

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 195.2 / 81
p0 43.29 ± 2.501
pull
Entries 82
Mean 51.32
Std Dev 12.06

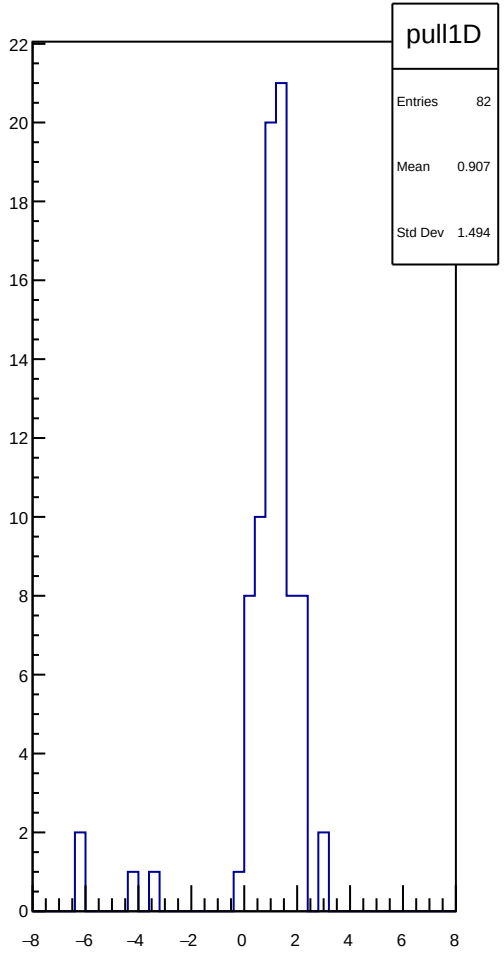

pull1D
Entries 82
Mean −0.7238
Std Dev 1.362


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.1 / 81
p0 −5.418 ± 2.687
pull
Entries 82
Mean 43.18
Std Dev 14.61

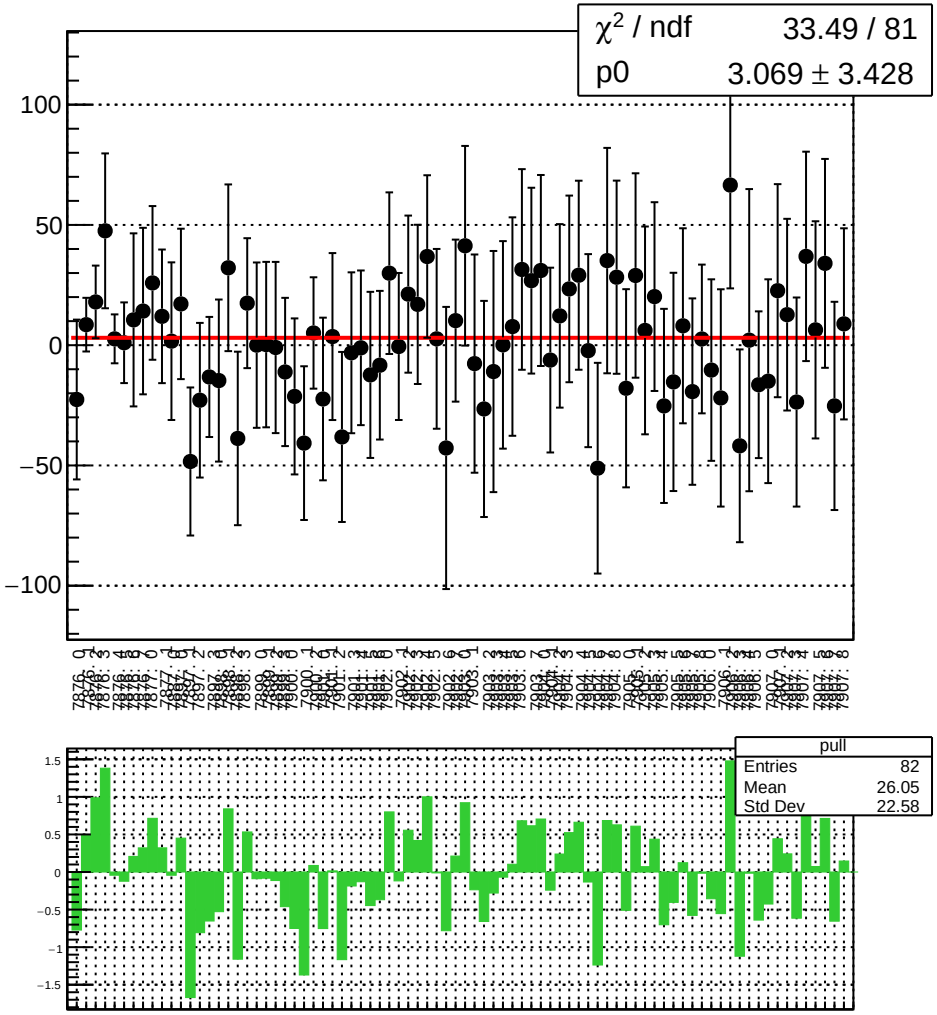

pull1D
Entries 82
Mean 0.05111
Std Dev 0.6428

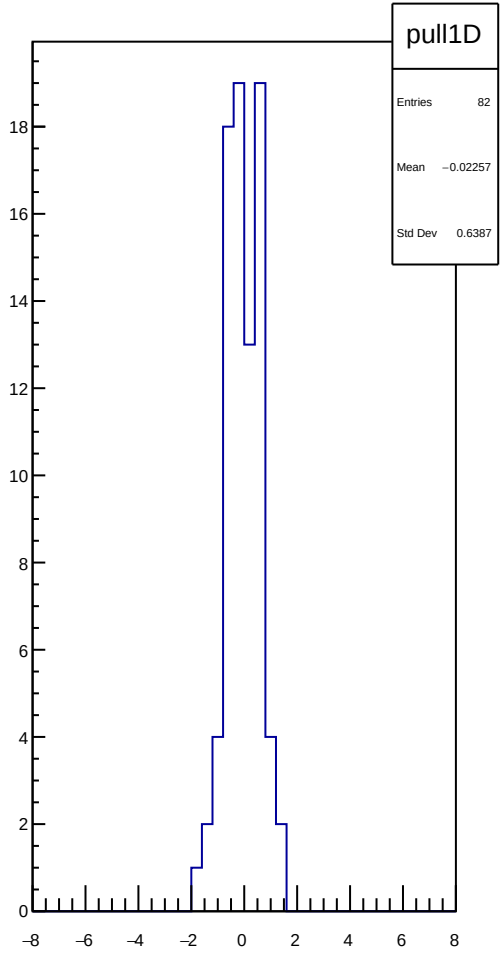
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run



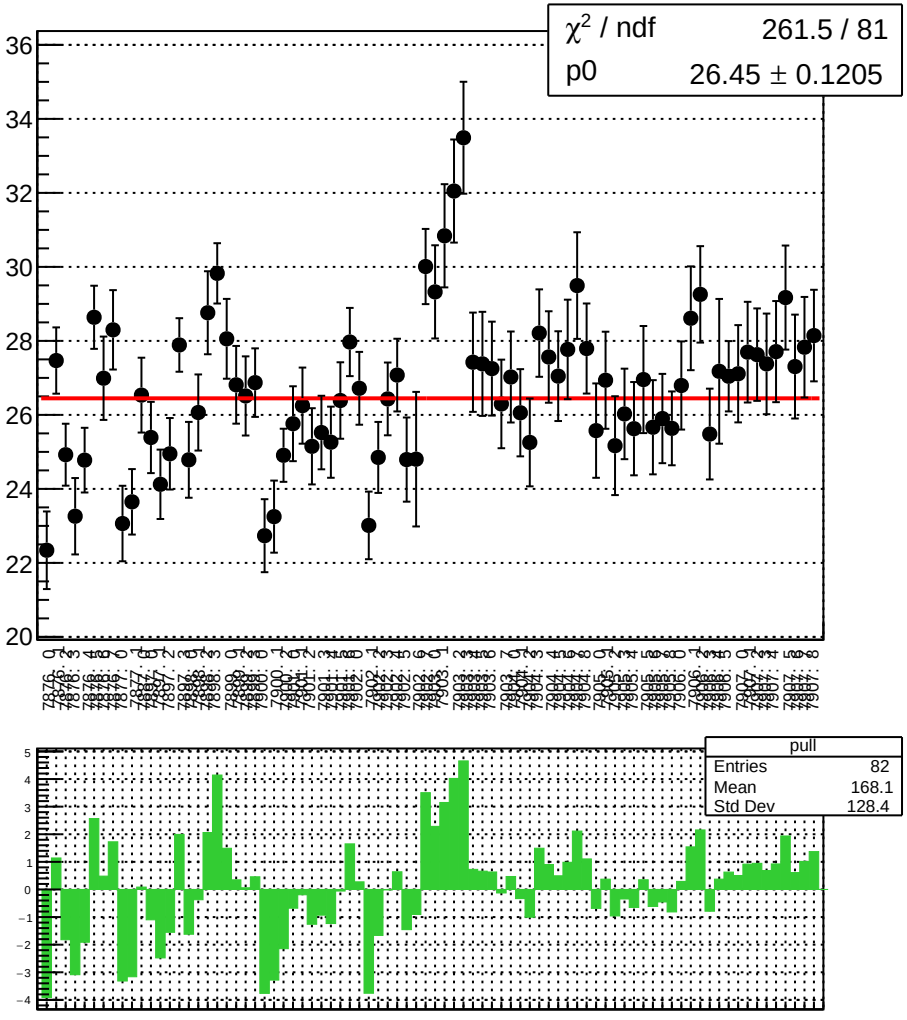


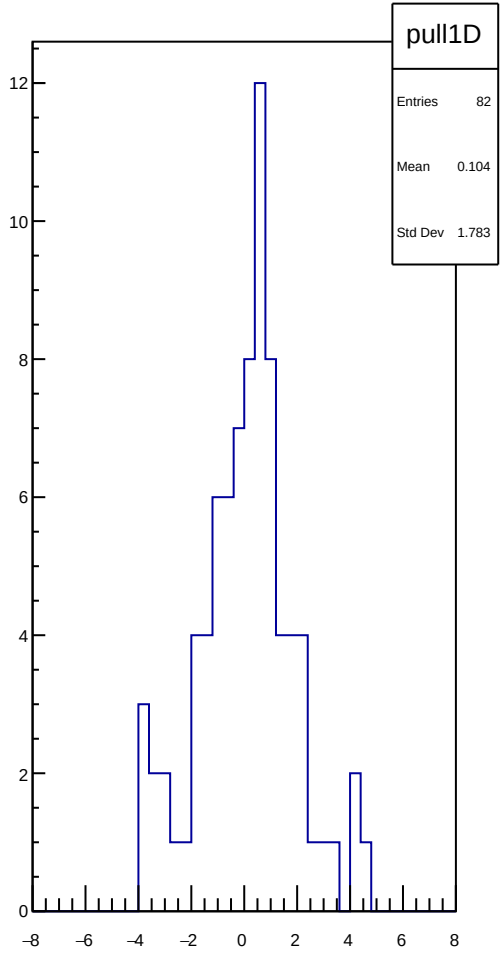
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run

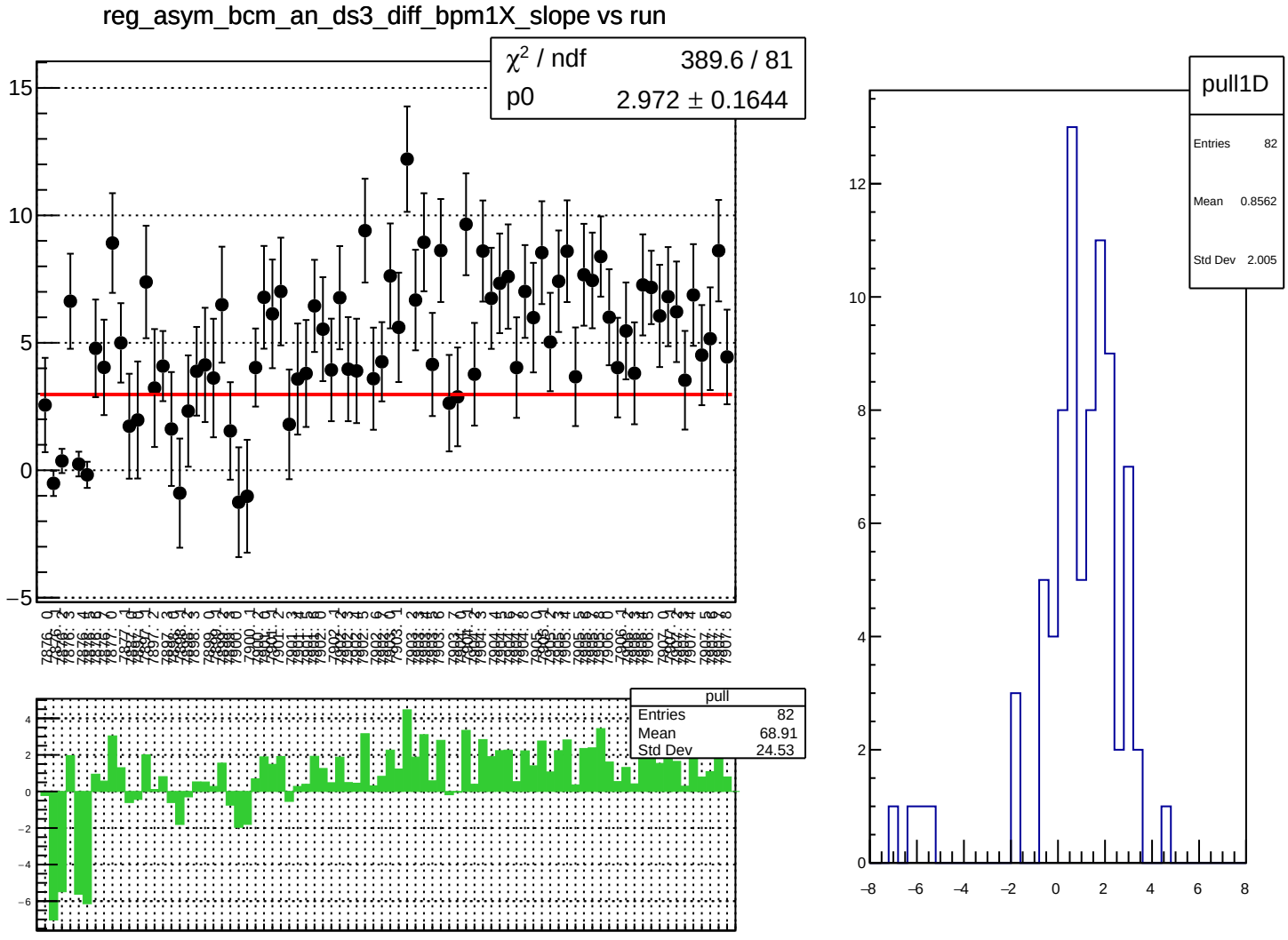




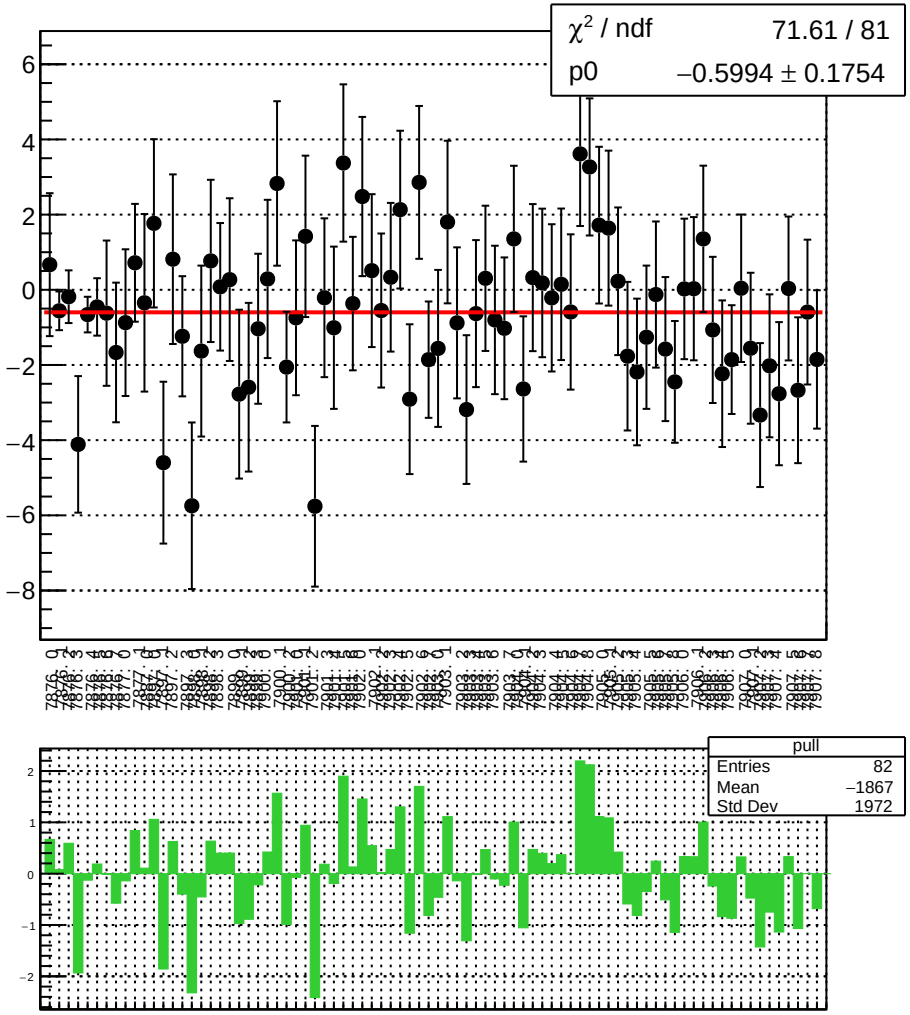
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

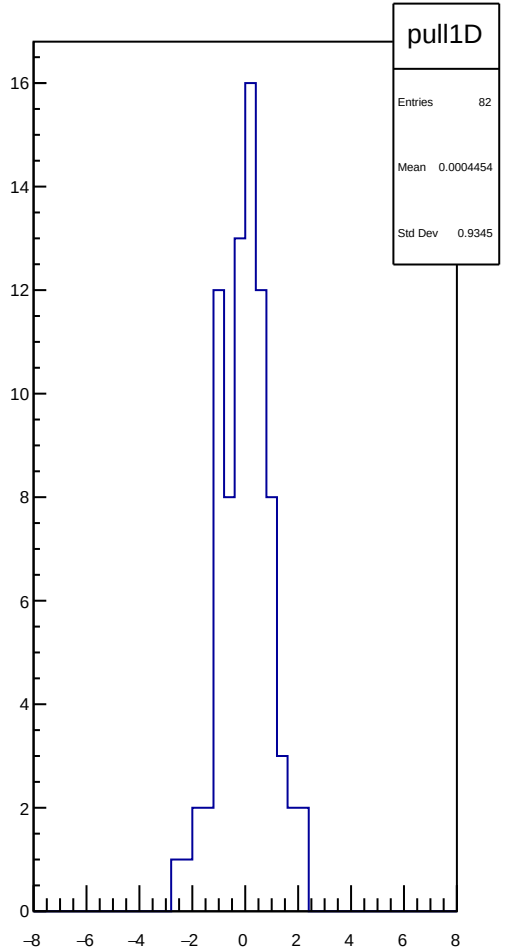




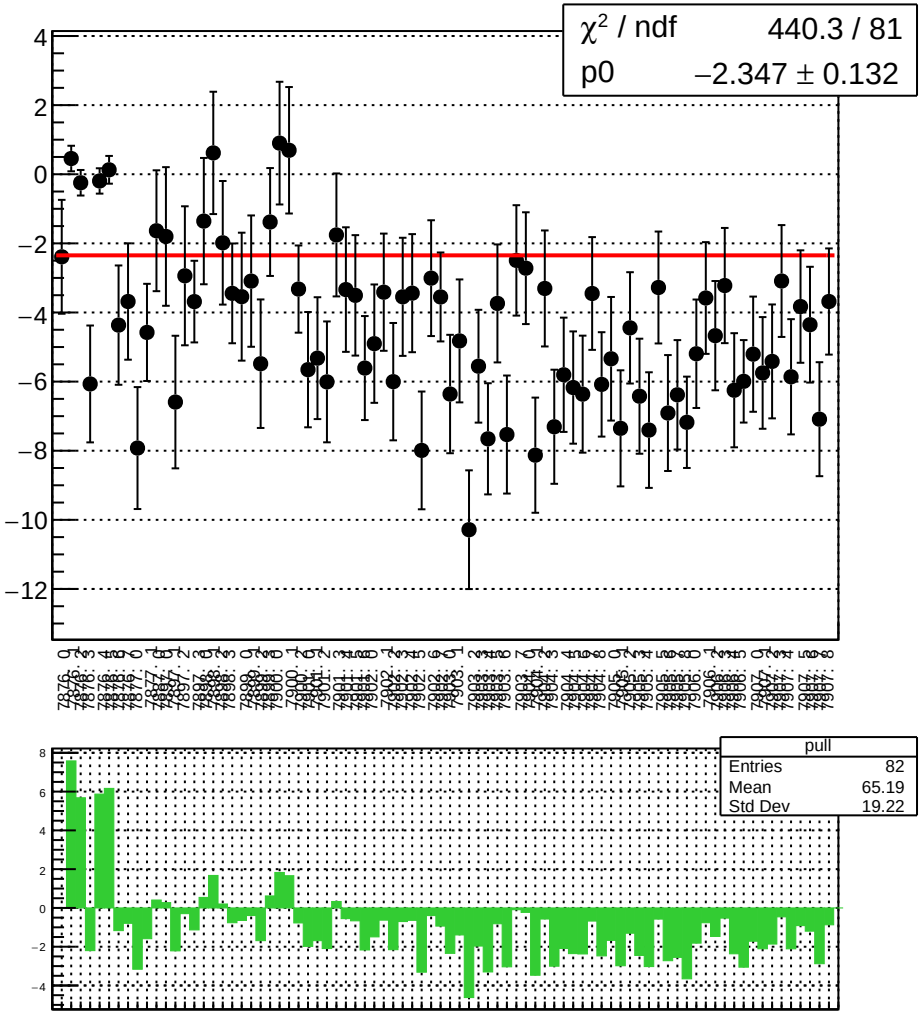

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 389.6 / 81
p0 2.972 ± 0.1644
pull
Entries 82
Mean 68.91
Std Dev 24.53
pull1D
Entries 82
Mean 0.8562
Std Dev 2.005

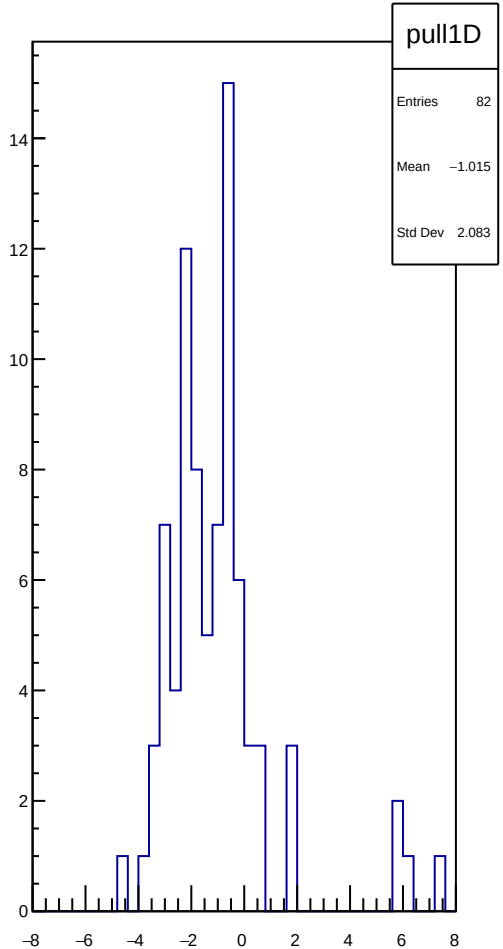
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run



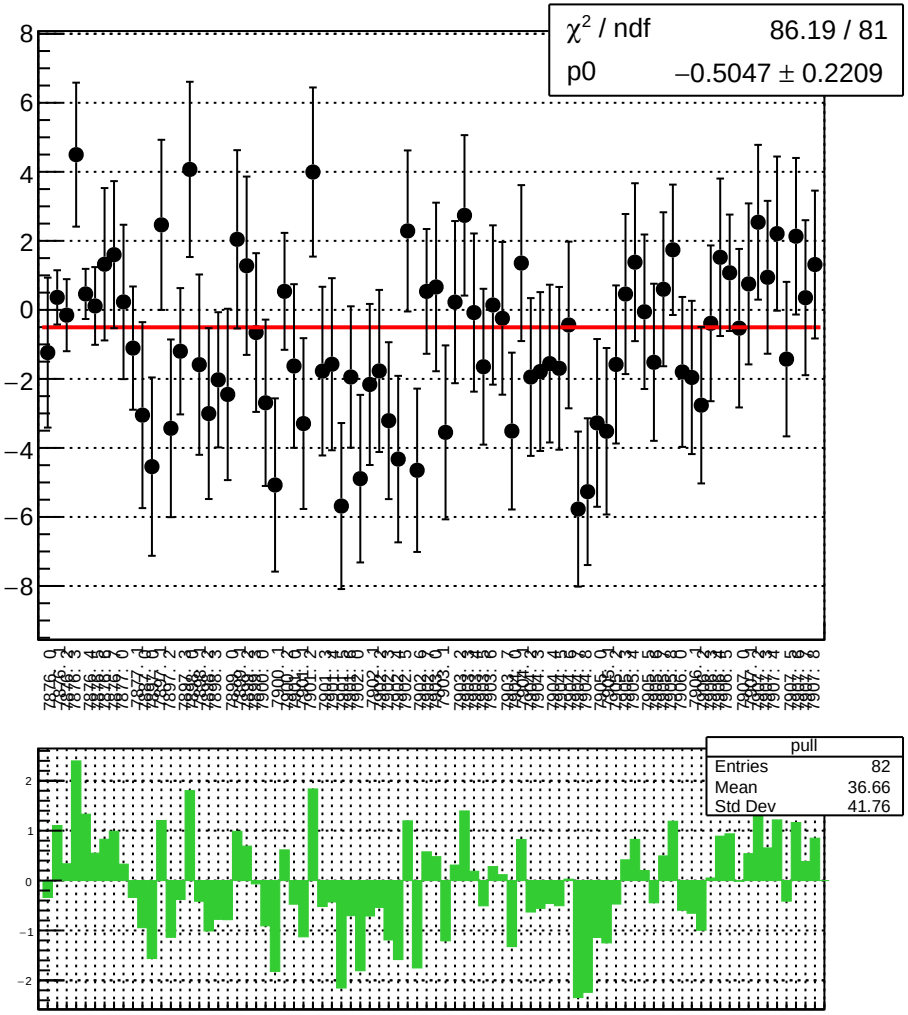


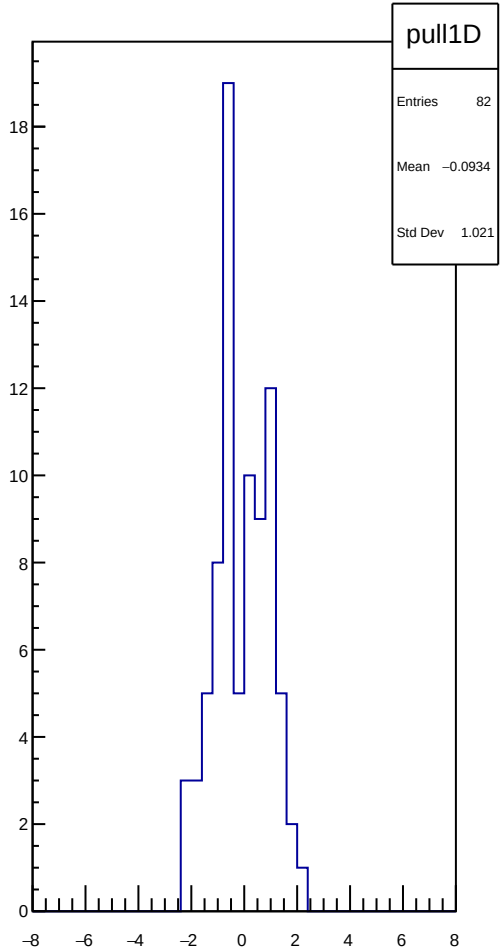
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run

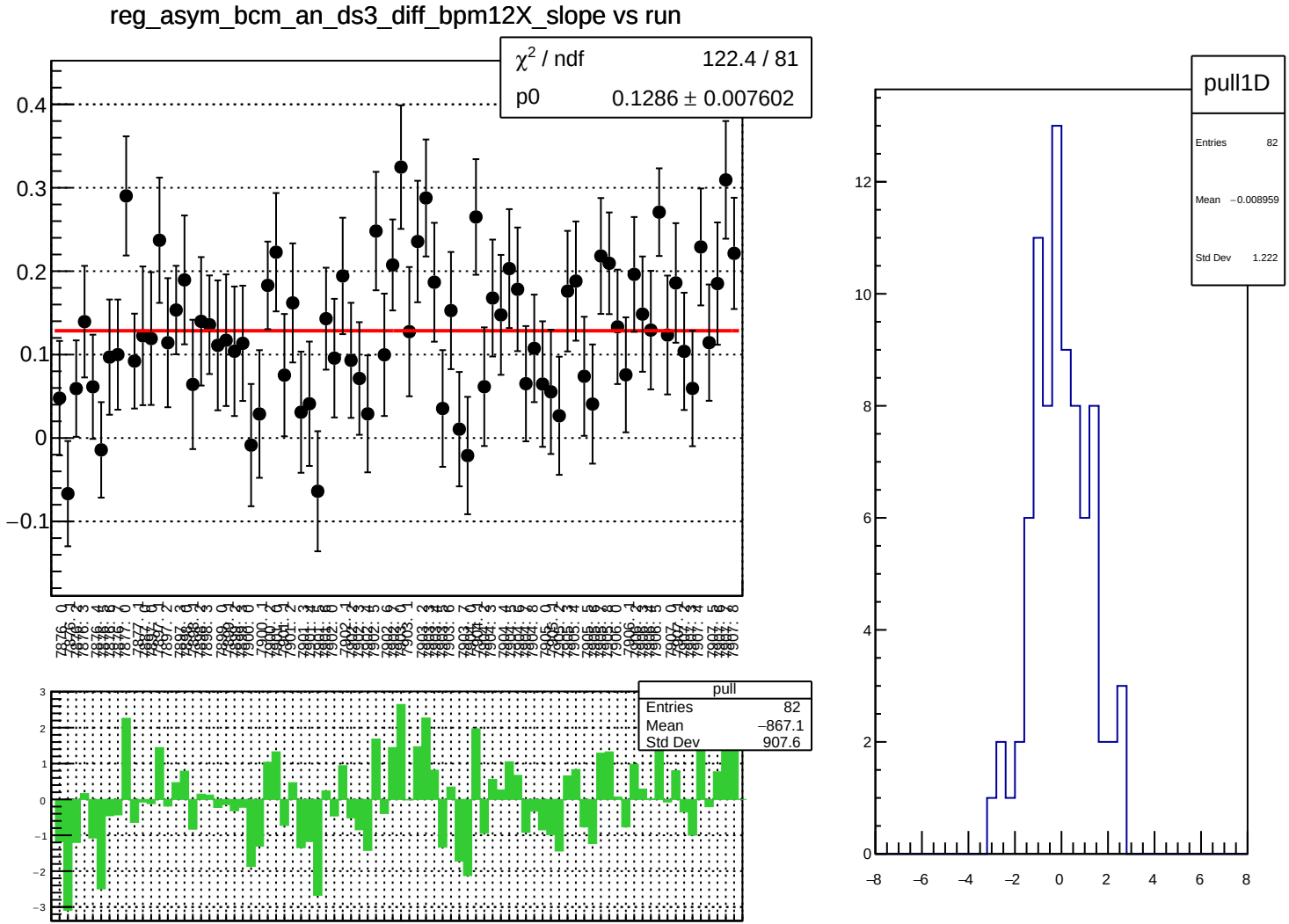


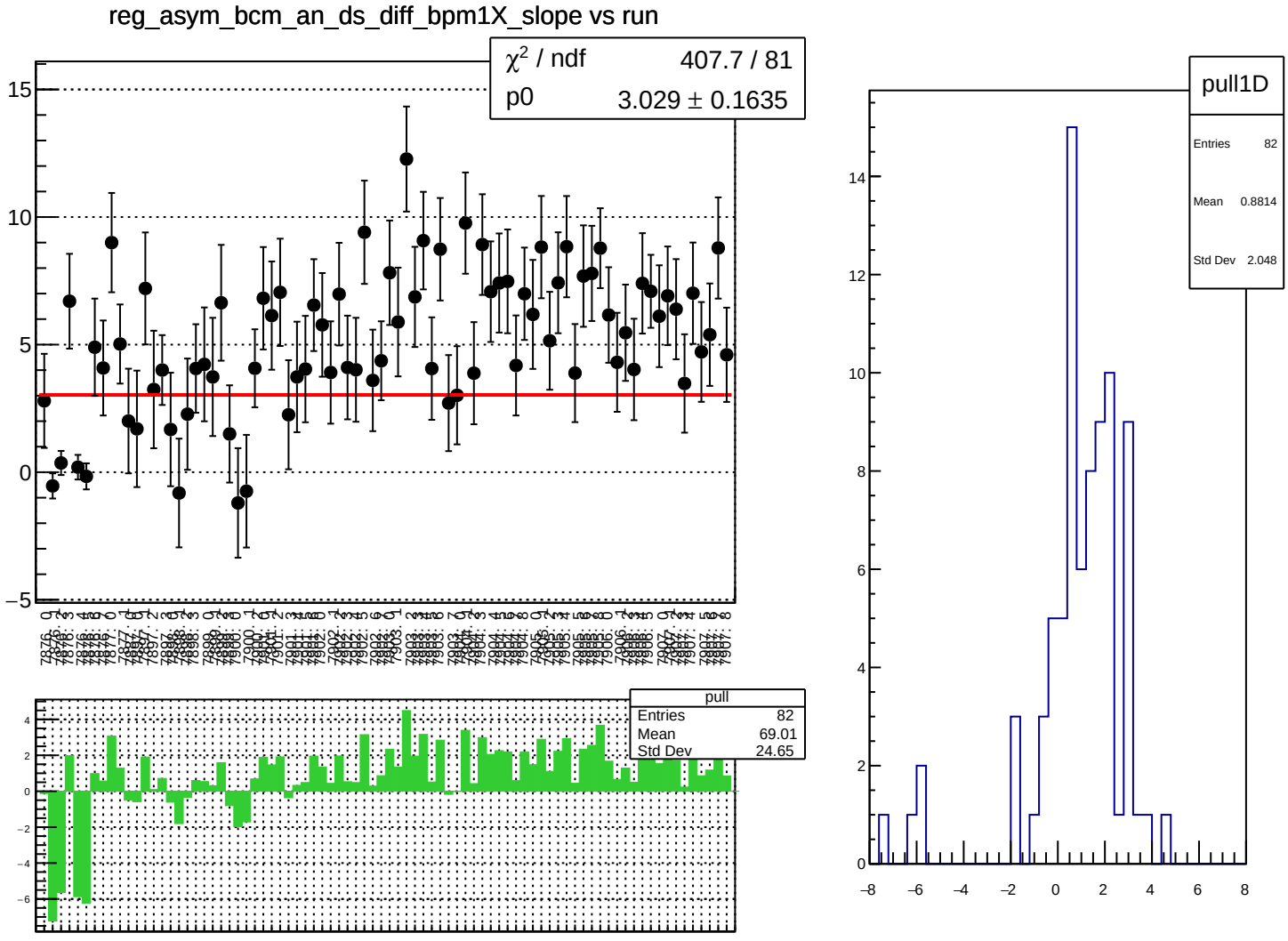


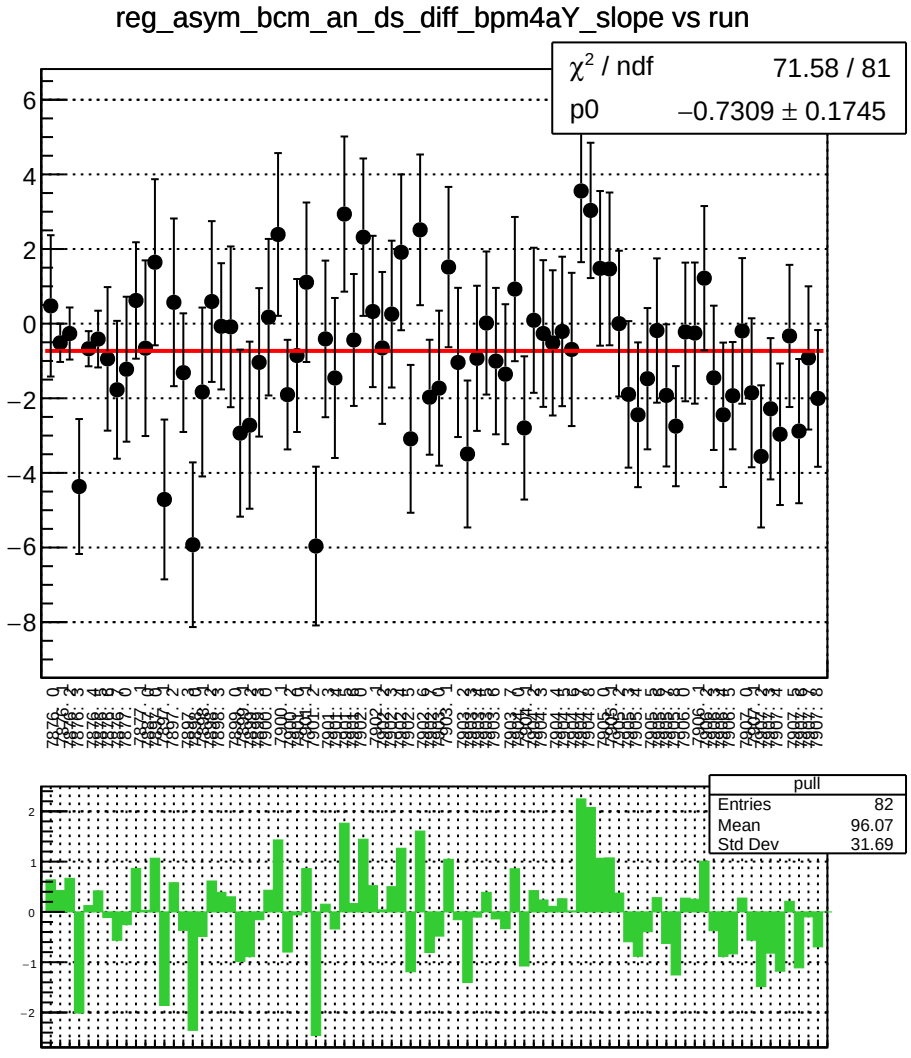
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run

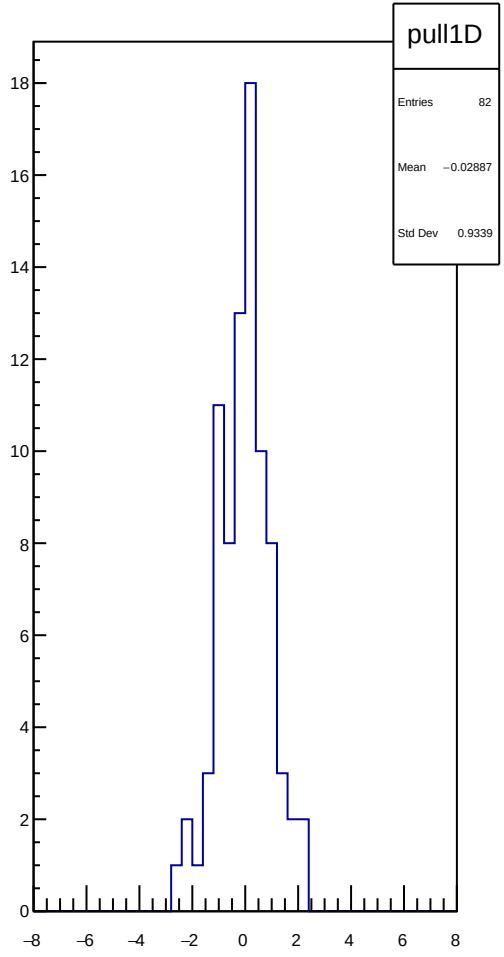


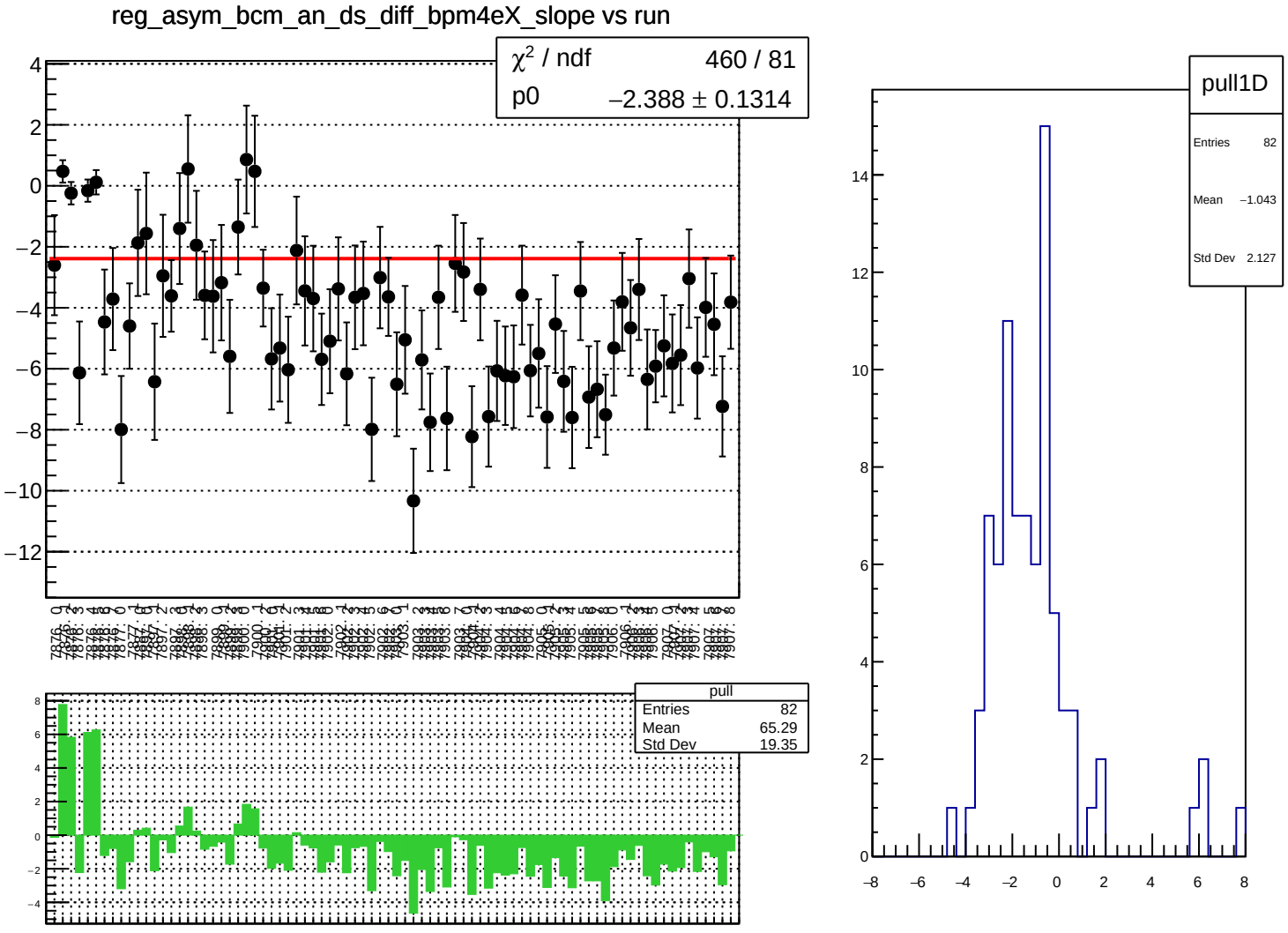


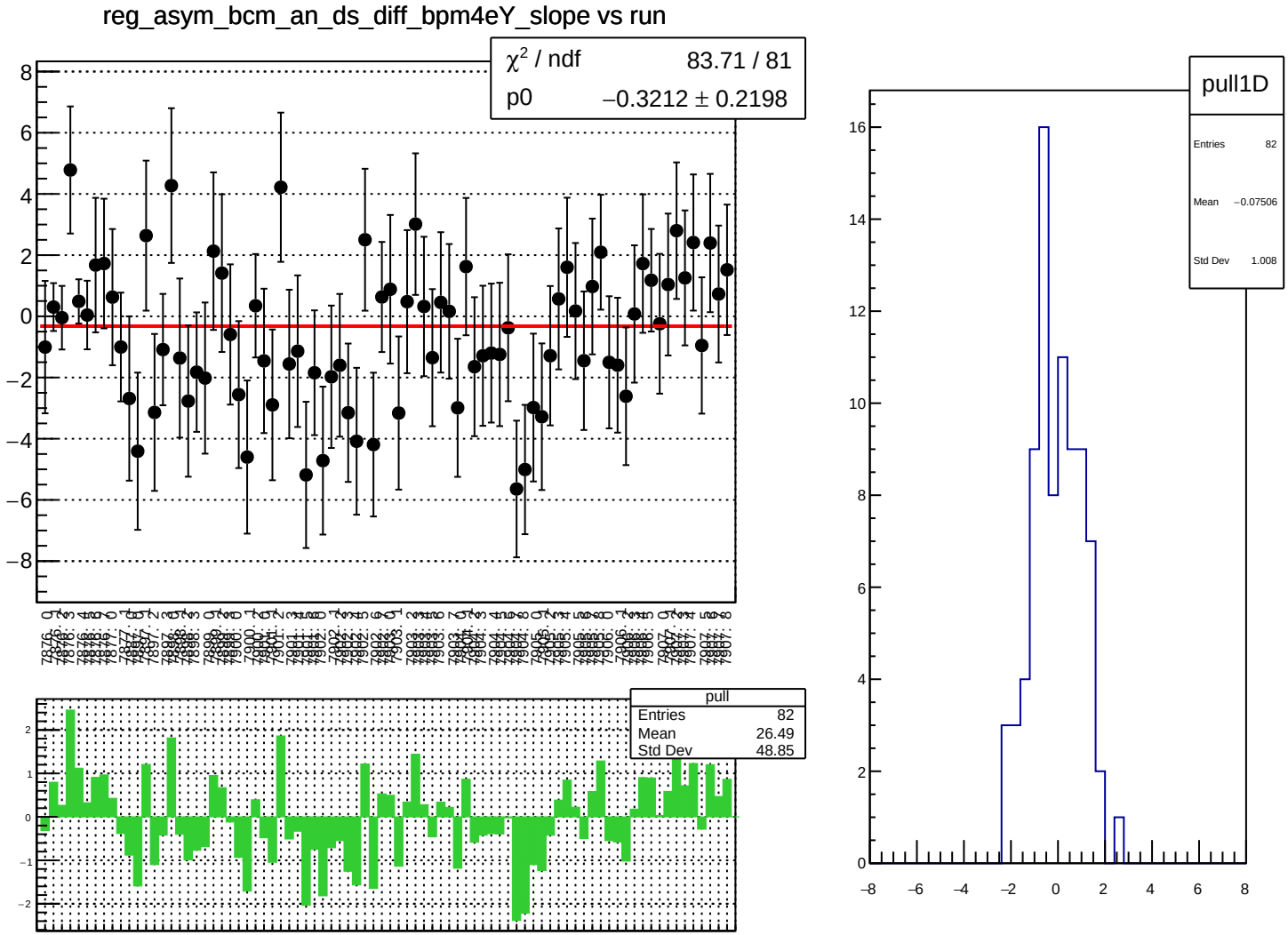

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 122.4 / 81
p0 0.1286 ± 0.007602
pull
Entries 82
Mean −867.1
Std Dev 907.6
pull1D
Entries 82
Mean −0.008959
Std Dev 1.222

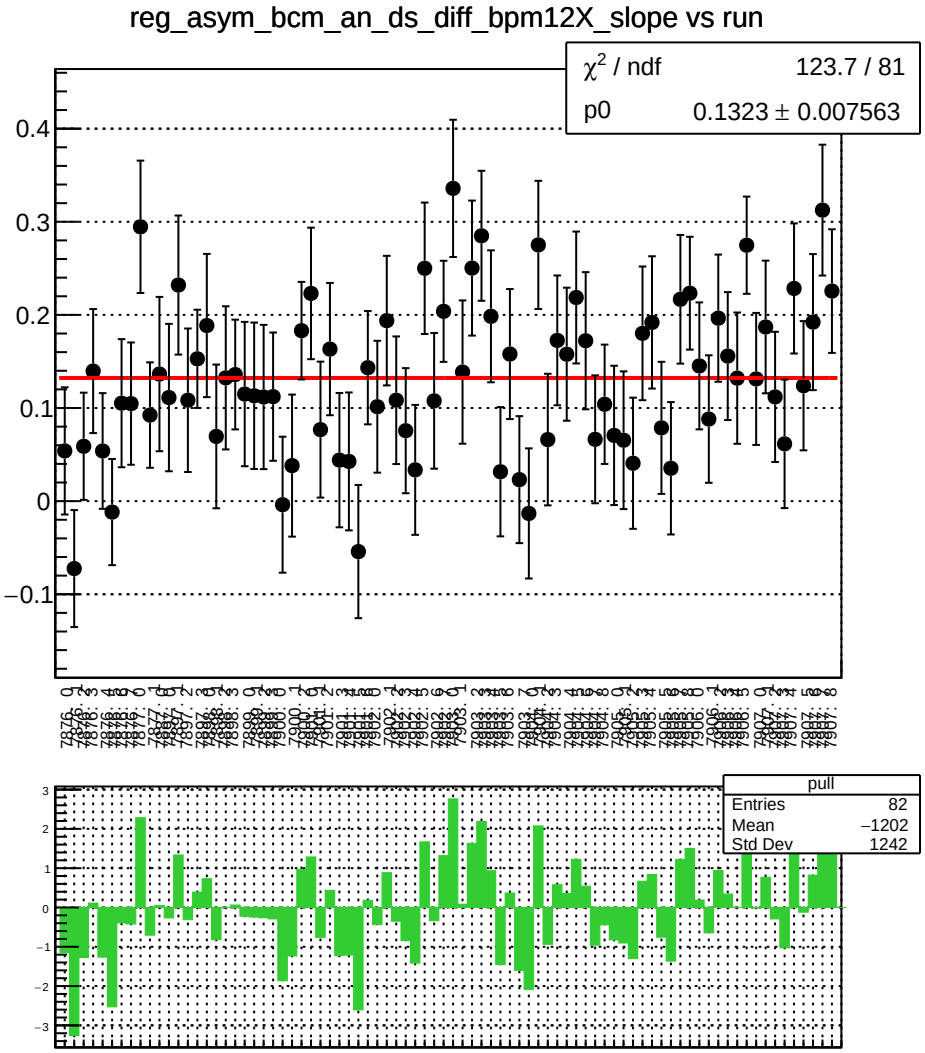

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 407.7 / 81
p0 3.029 ± 0.1635
pull
Entries 82
Mean 69.01
Std Dev 24.65
pull1D
Entries 82
Mean 0.8814
Std Dev 2.048

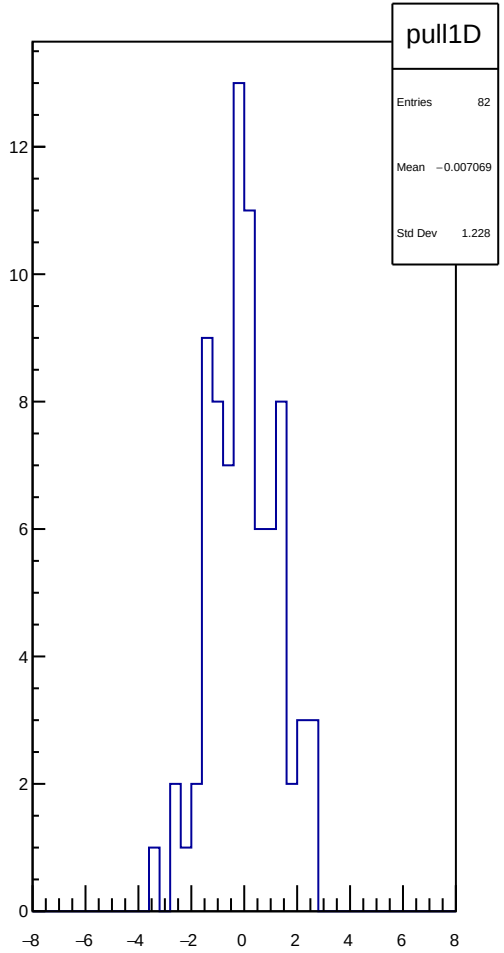

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 71.58 / 81
p0 −0.7309 ± 0.1745
pull
Entries 82
Mean 96.07
Std Dev 31.69

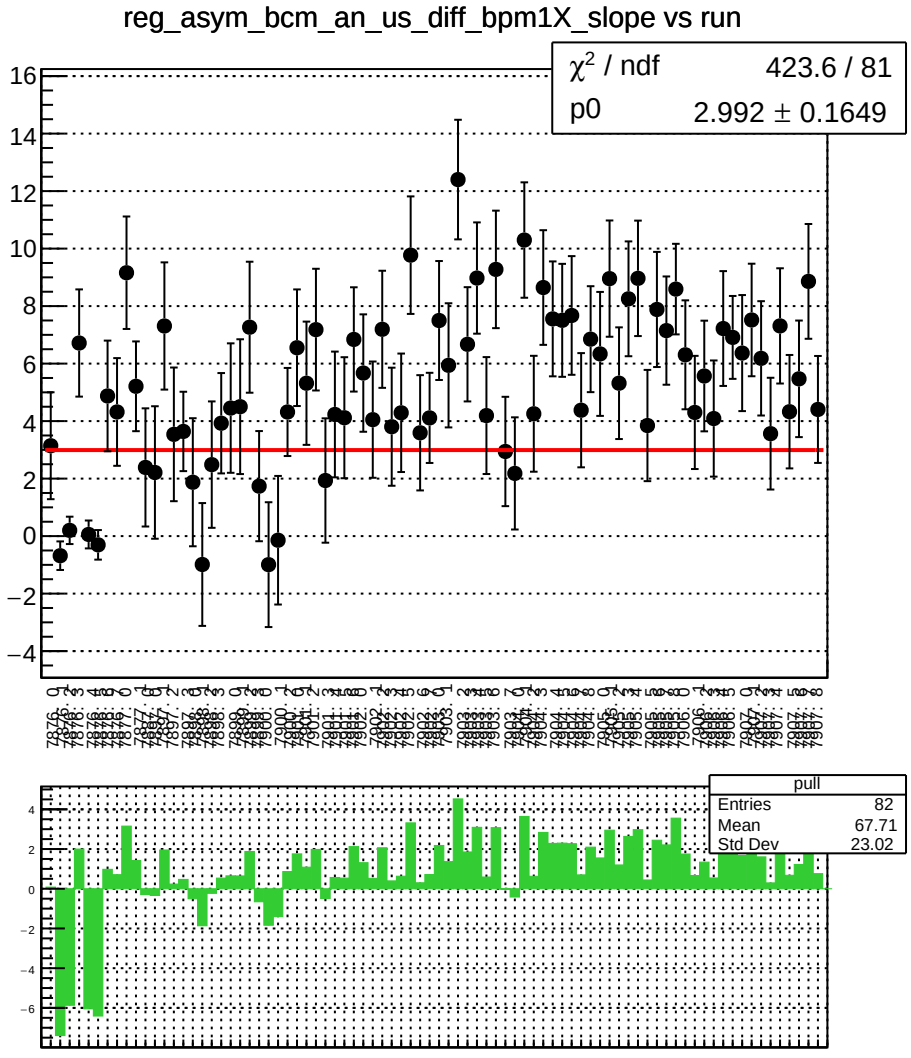

pull1D
Entries 82
Mean −0.02887
Std Dev 0.9339

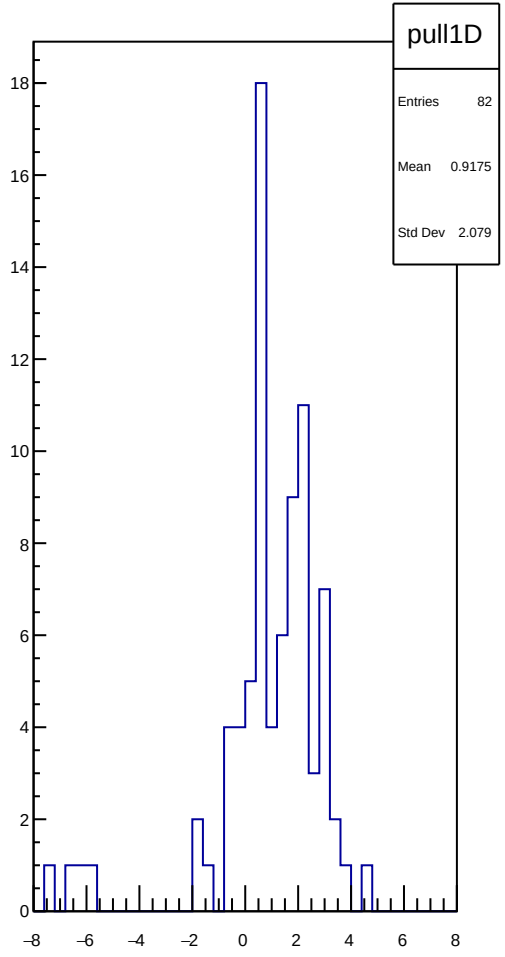

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 460 / 81
p0 −2.388 ± 0.1314
pull
Entries 82
Mean 65.29
Std Dev 19.35
pull1D
Entries 82
Mean −1.043
Std Dev 2.127

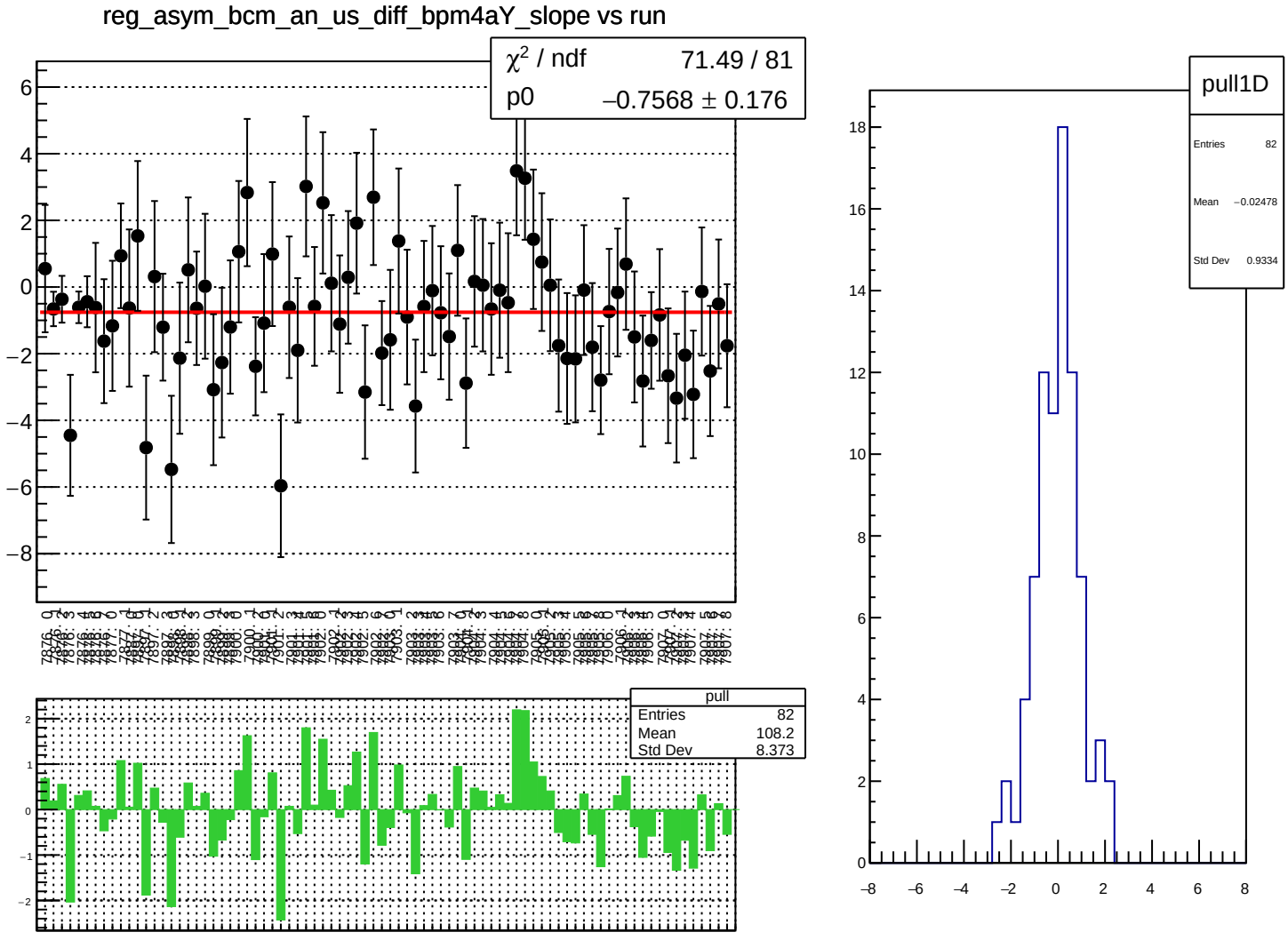

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 83.71 / 81
p0 −0.3212 ± 0.2198
pull
Entries 82
Mean 26.49
Std Dev 48.85
pull1D
Entries 82
Mean −0.07506
Std Dev 1.008

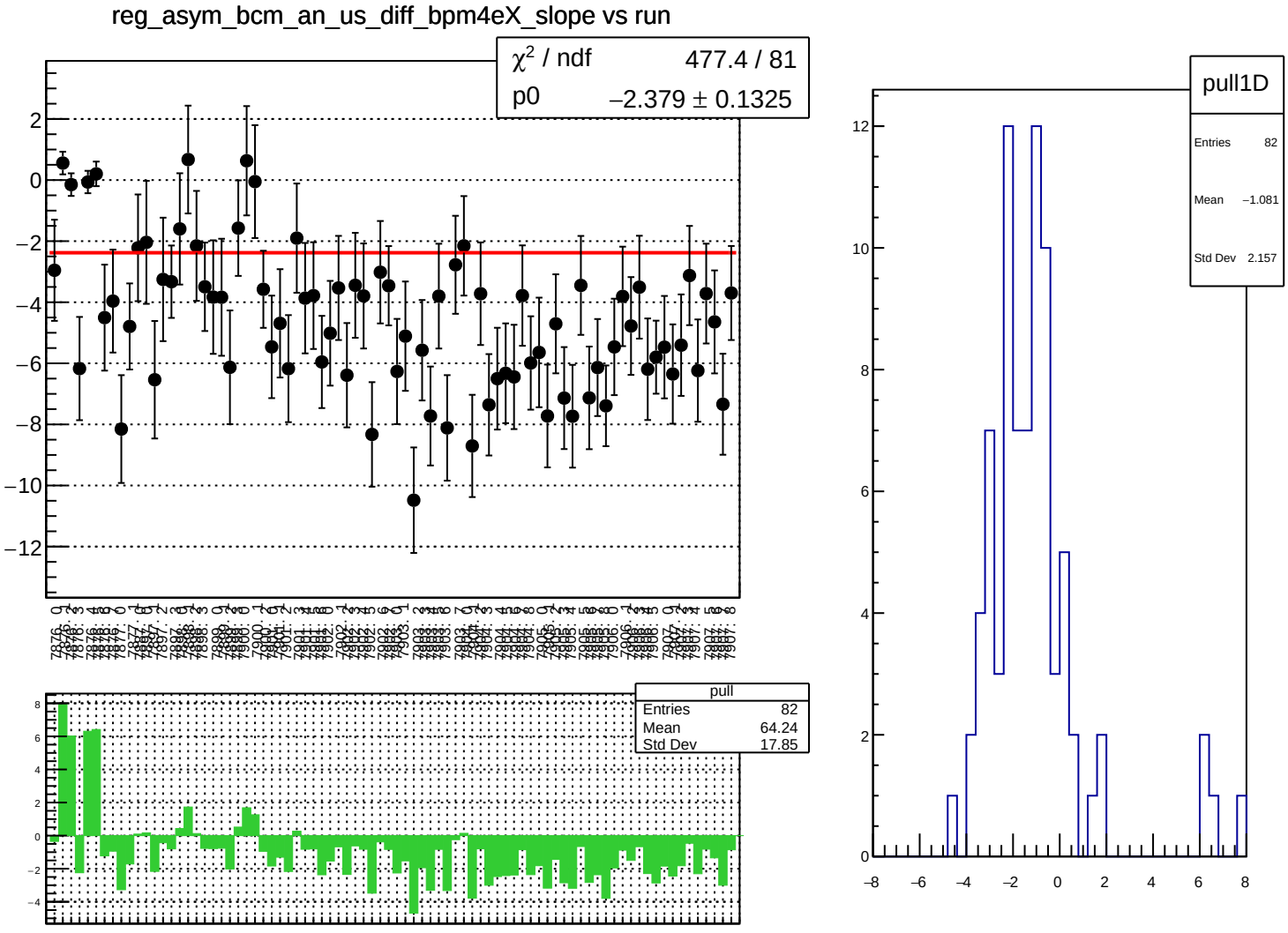

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 123.7 / 81
p0 0.1323 ± 0.007563
pull
Entries 82
Mean −1202
Std Dev 1242

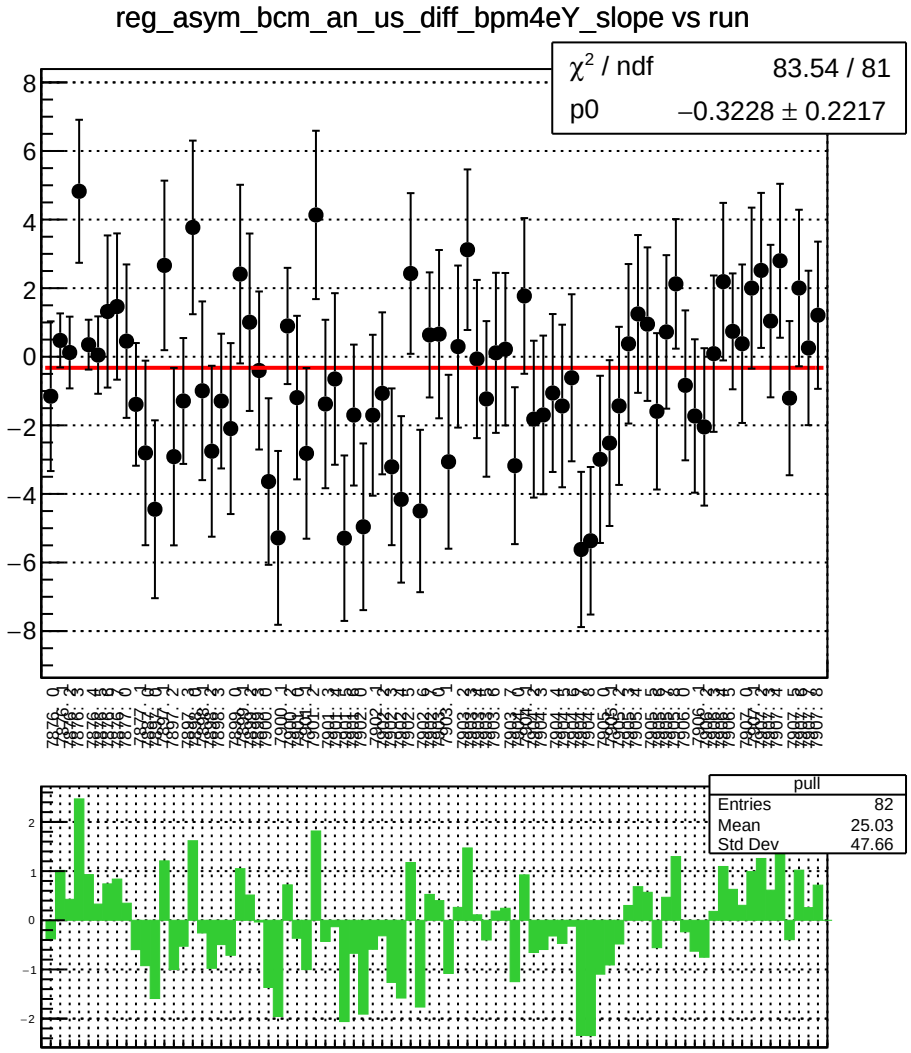

pull1D
Entries 82
Mean −0.007069
Std Dev 1.228

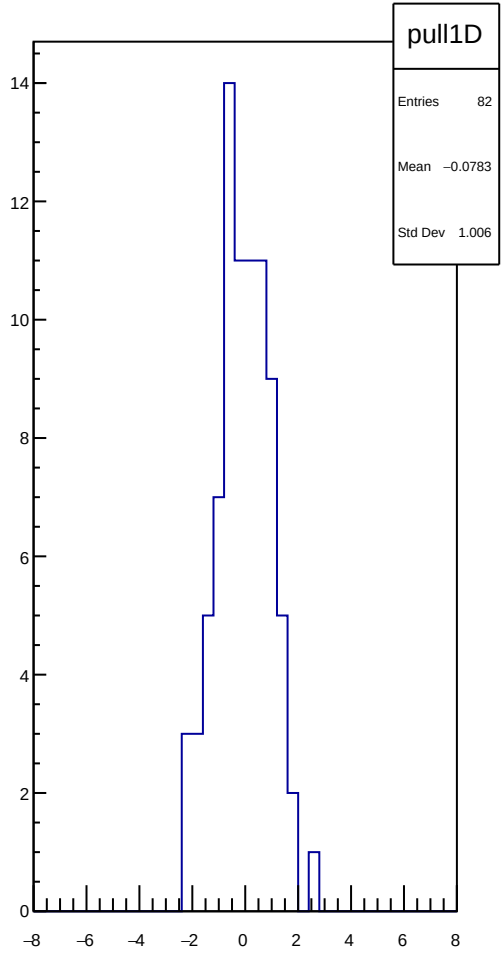

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 423.6 / 81
p0 2.992 ± 0.1649
pull
Entries 82
Mean 67.71
Std Dev 23.02

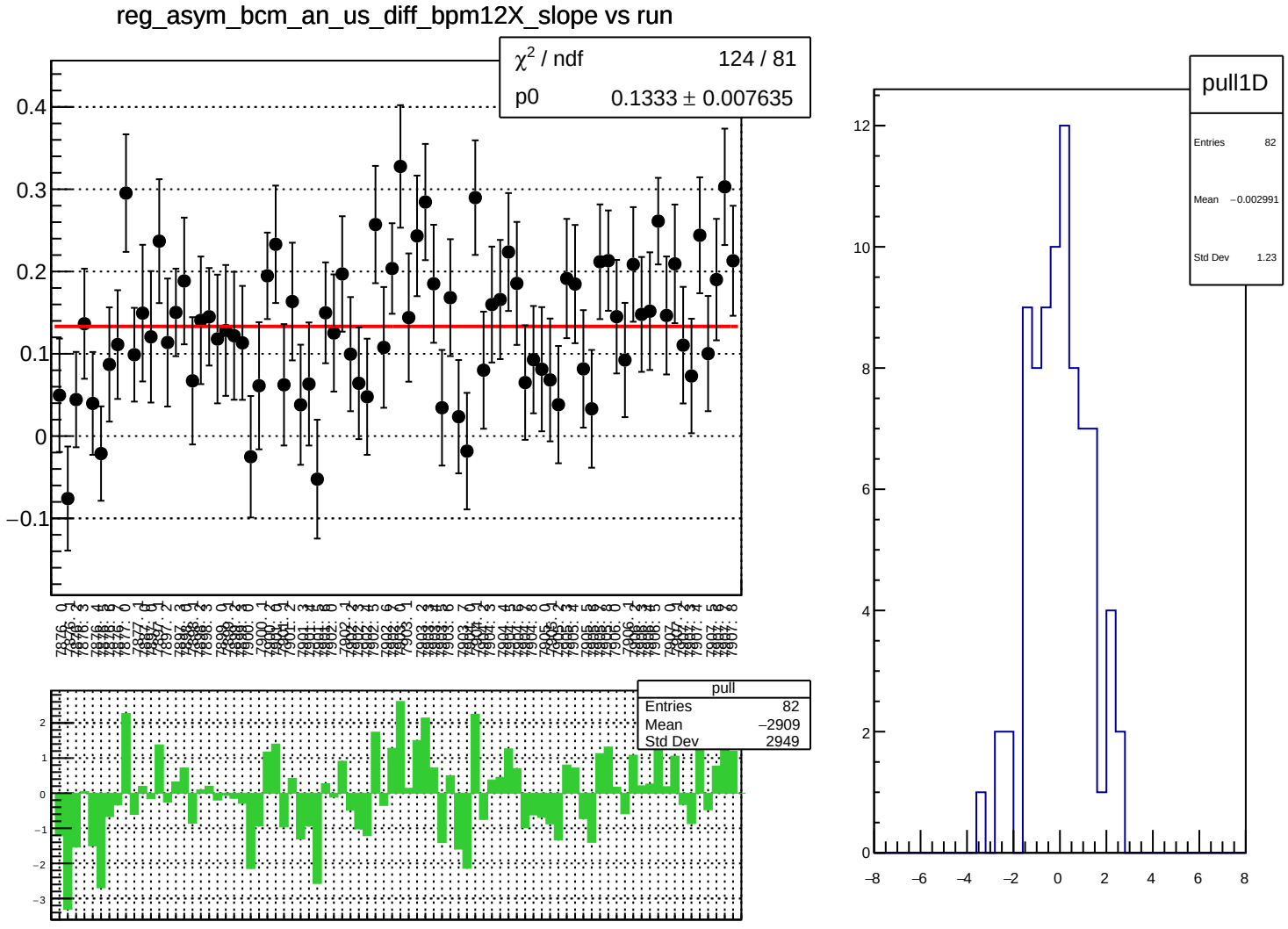

pull1D
Entries 82
Mean 0.9175
Std Dev 2.079

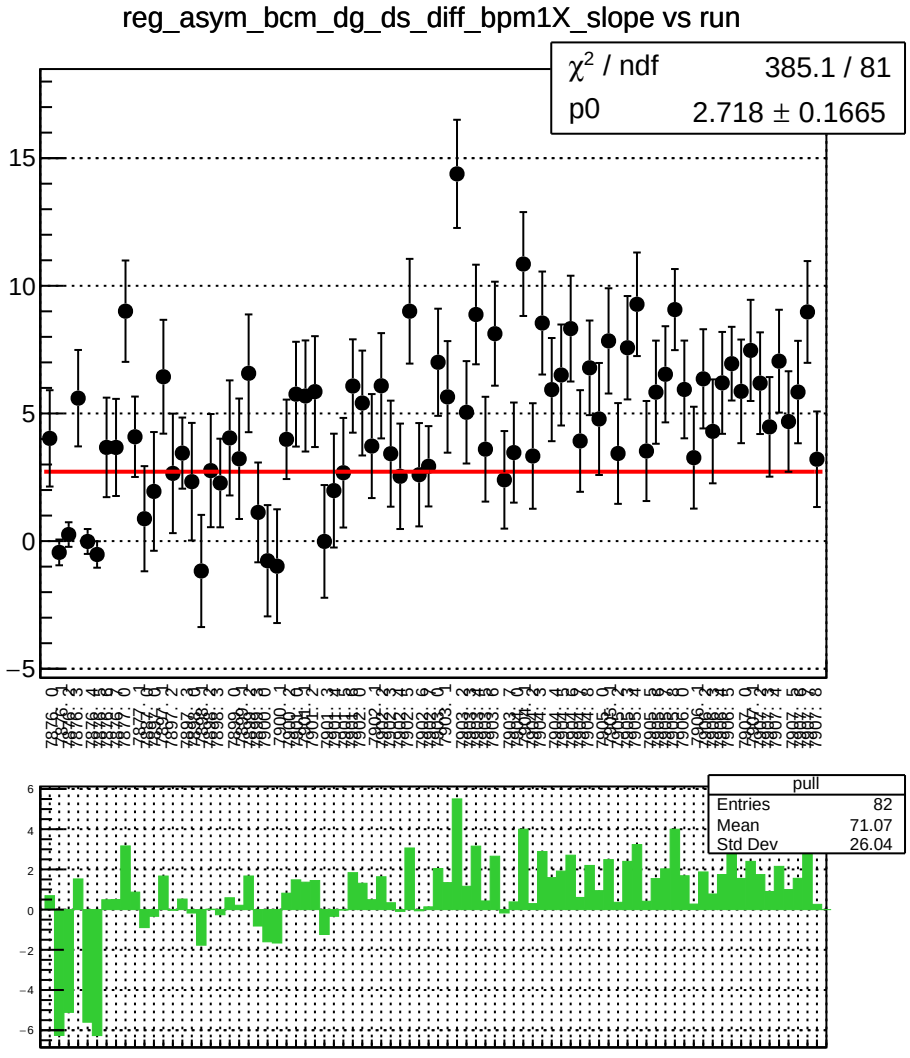

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 71.49 / 81
p0 −0.7568 ± 0.176
pull
Entries 82
Mean 108.2
Std Dev 8.373
pull1D
Entries 82
Mean −0.02478
Std Dev 0.9334

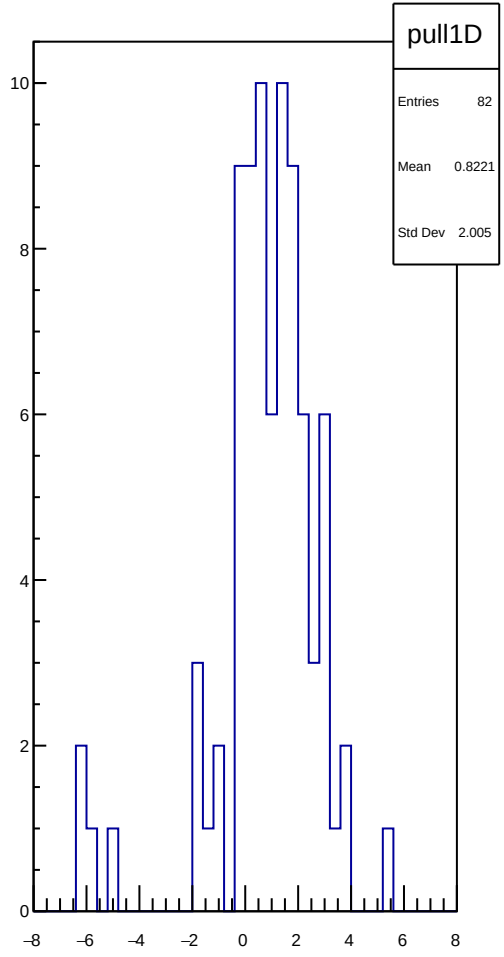

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 477.4 / 81
p0 −2.379 ± 0.1325
pull
Entries 82
Mean 64.24
Std Dev 17.85
pull1D
Entries 82
Mean −1.081
Std Dev 2.157

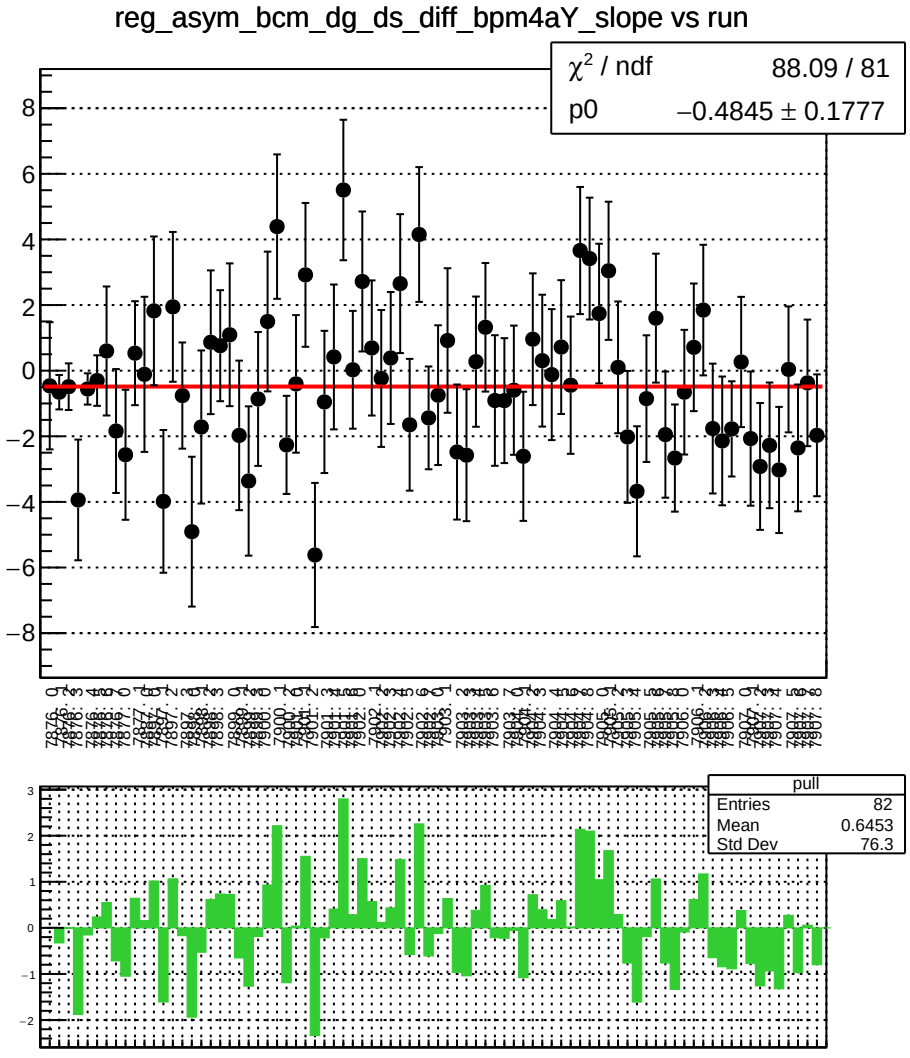

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 83.54 / 81
p0 −0.3228 ± 0.2217
pull
Entries 82
Mean 25.03
Std Dev 47.66

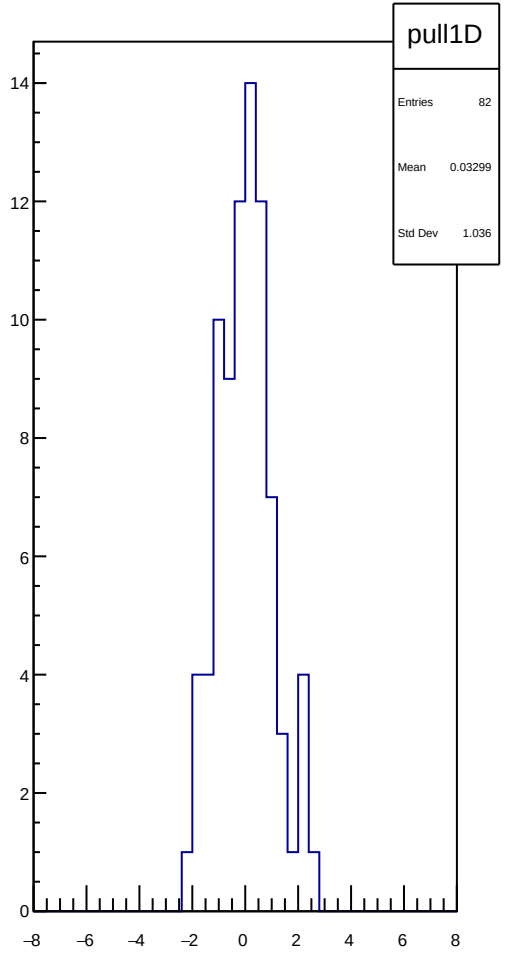

pull1D
Entries 82
Mean −0.0783
Std Dev 1.006

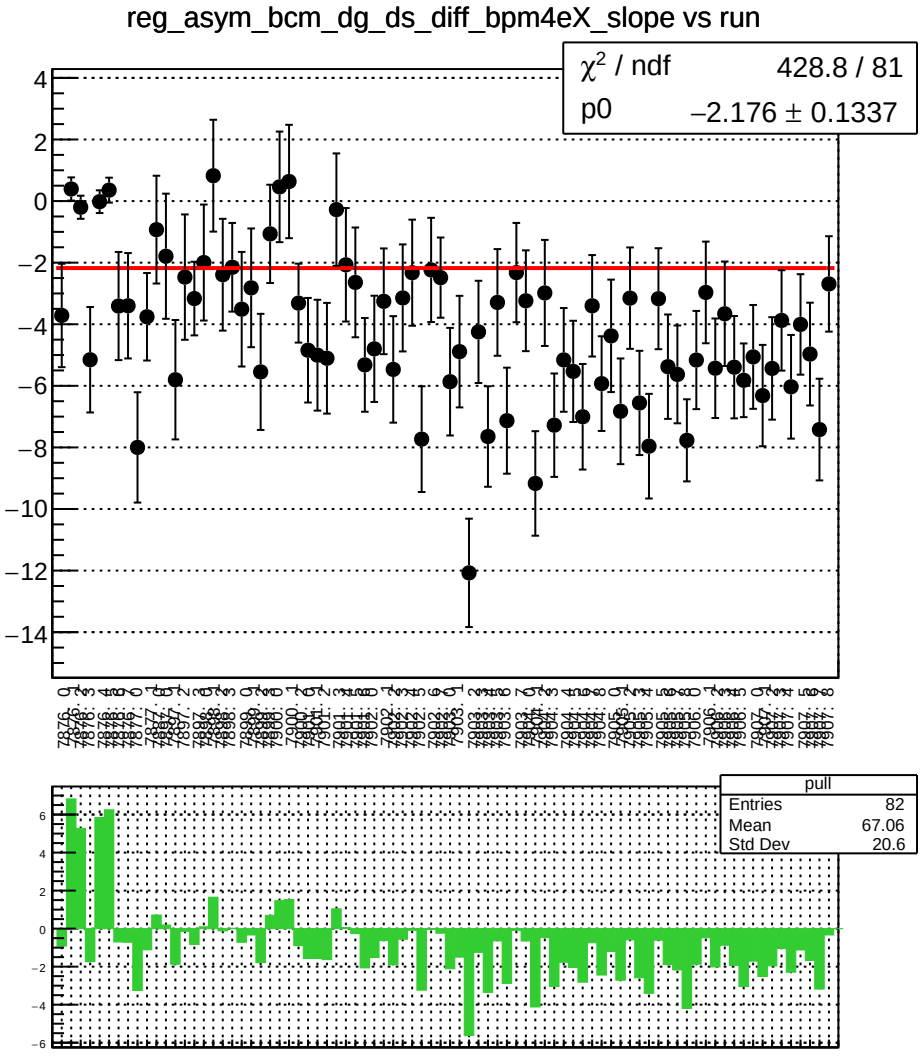

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 124 / 81
p0 0.1333 ± 0.007635
pull
Entries 82
Mean −2909
Std Dev 2949
pull1D
Entries 82
Mean −0.002991
Std Dev 1.23

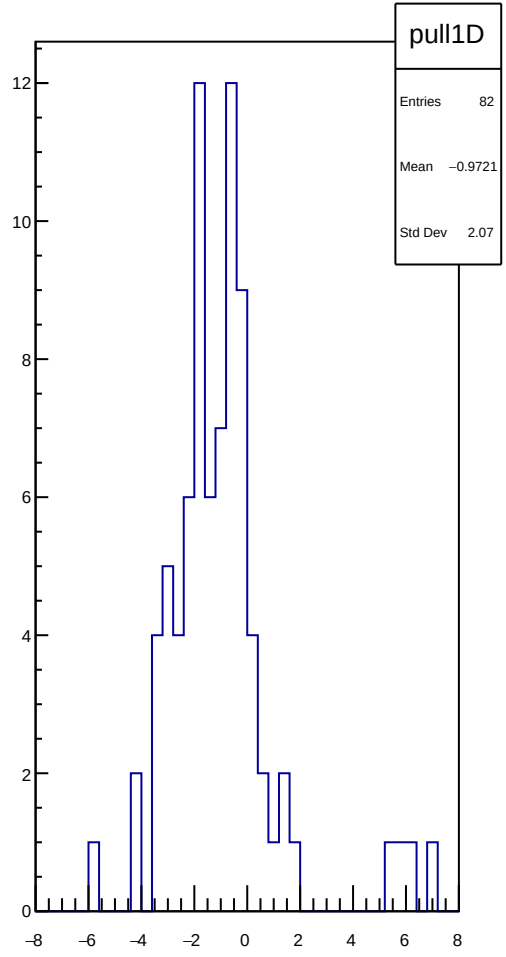

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 385.1 / 81
p0 2.718 ± 0.1665
pull
Entries 82
Mean 71.07
Std Dev 26.04

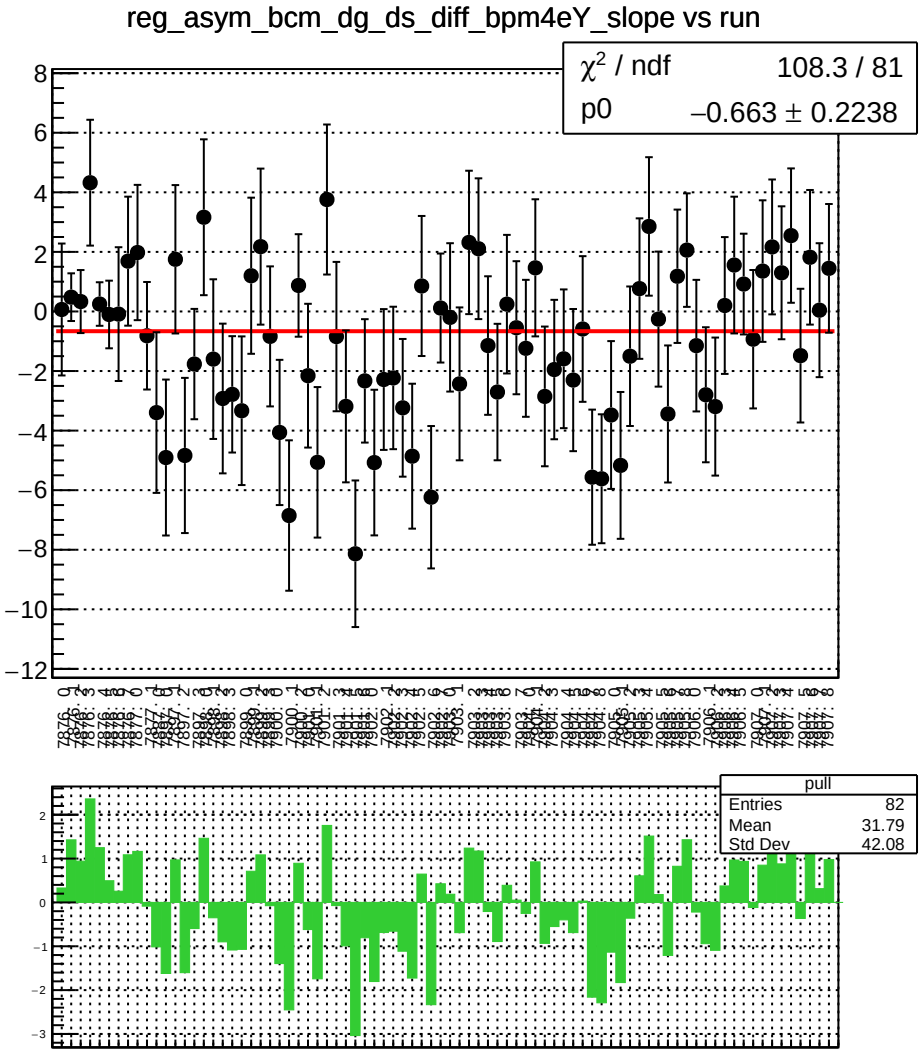

pull1D
Entries 82
Mean 0.8221
Std Dev 2.005

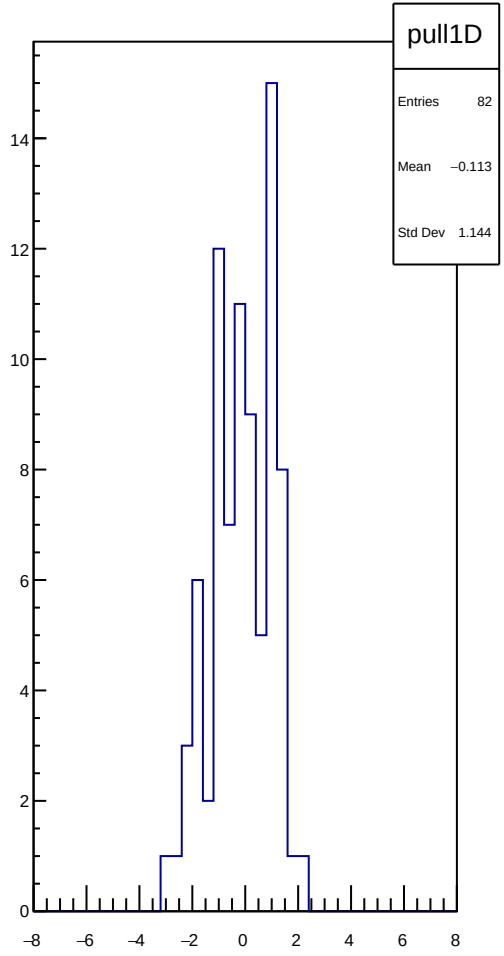

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 88.09 / 81
p0 −0.4845 ± 0.1777
pull
Entries 82
Mean 0.6453
Std Dev 76.3

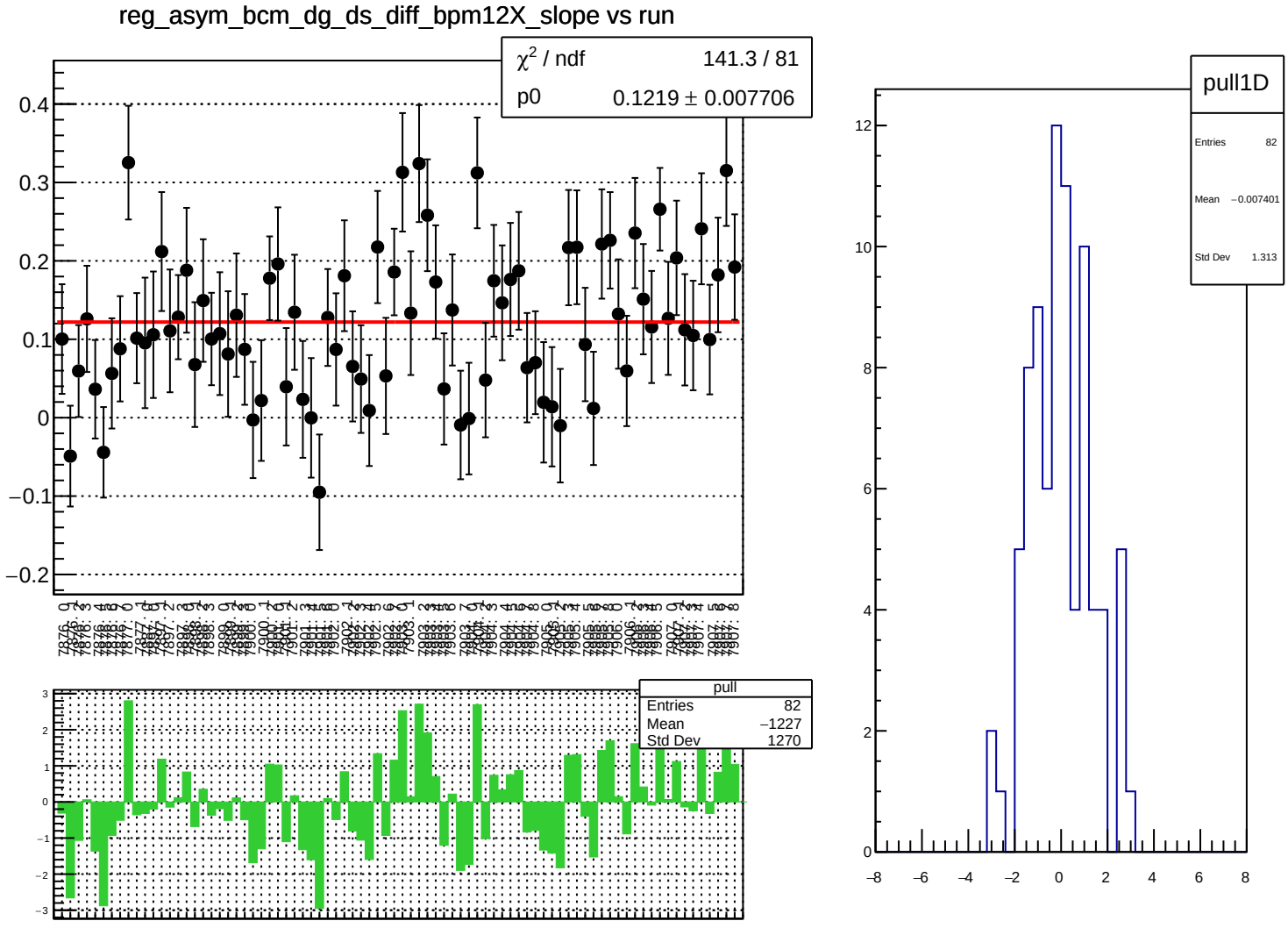

pull1D
Entries 82
Mean 0.03299
Std Dev 1.036

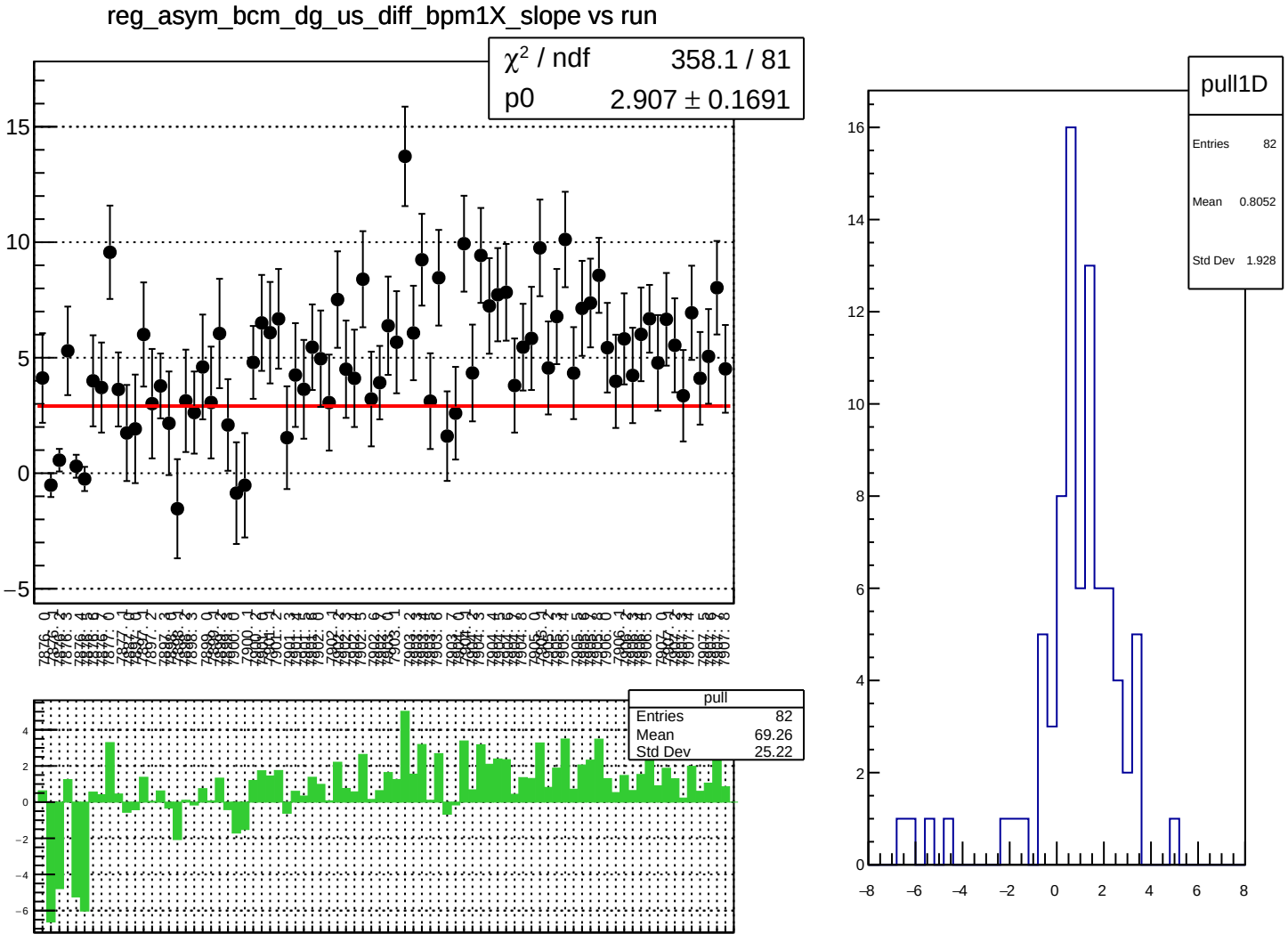

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 428.8 / 81
p0 −2.176 ± 0.1337
pull
Entries 82
Mean 67.06
Std Dev 20.6

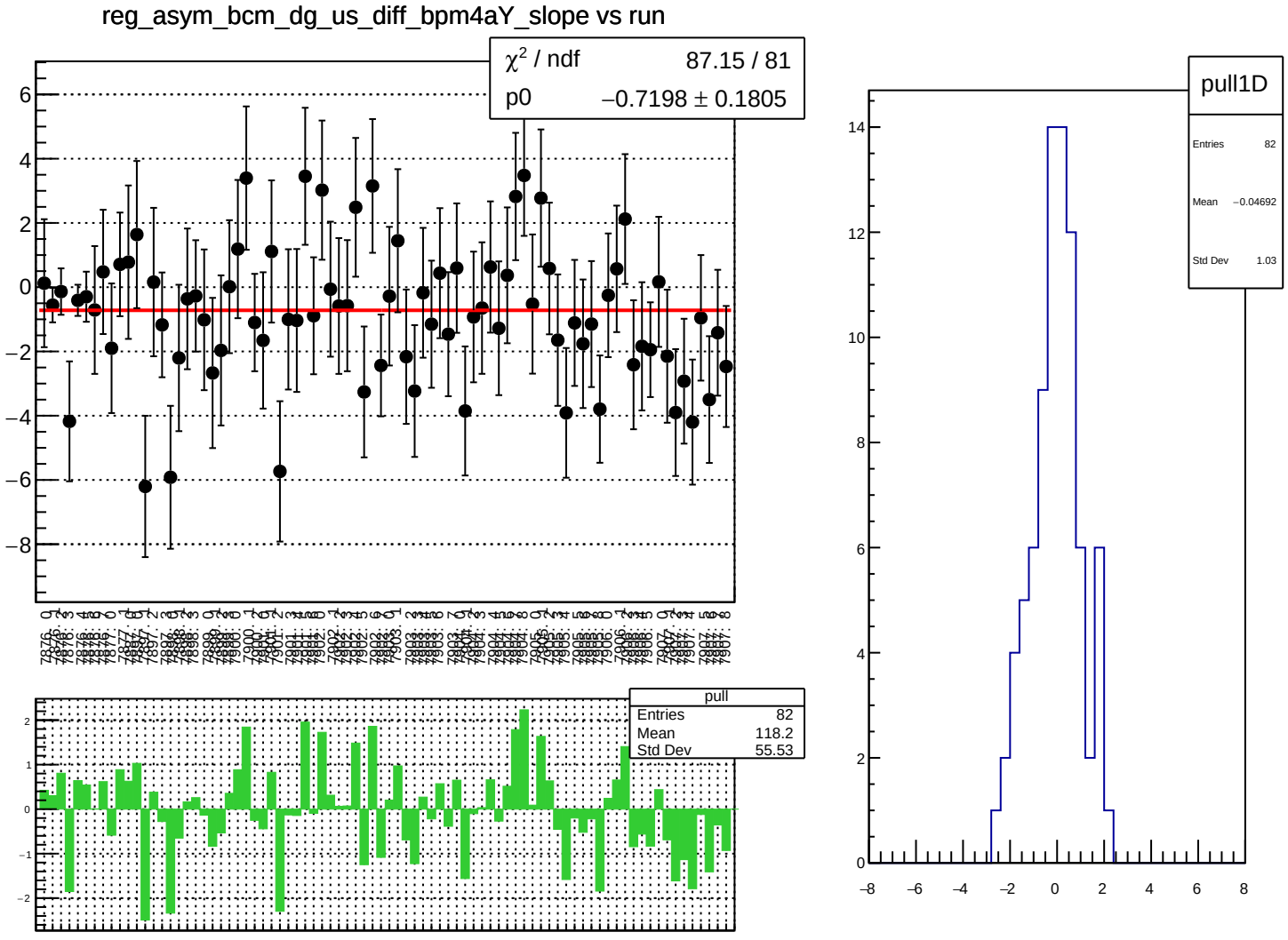

pull1D
Entries 82
Mean −0.9721
Std Dev 2.07

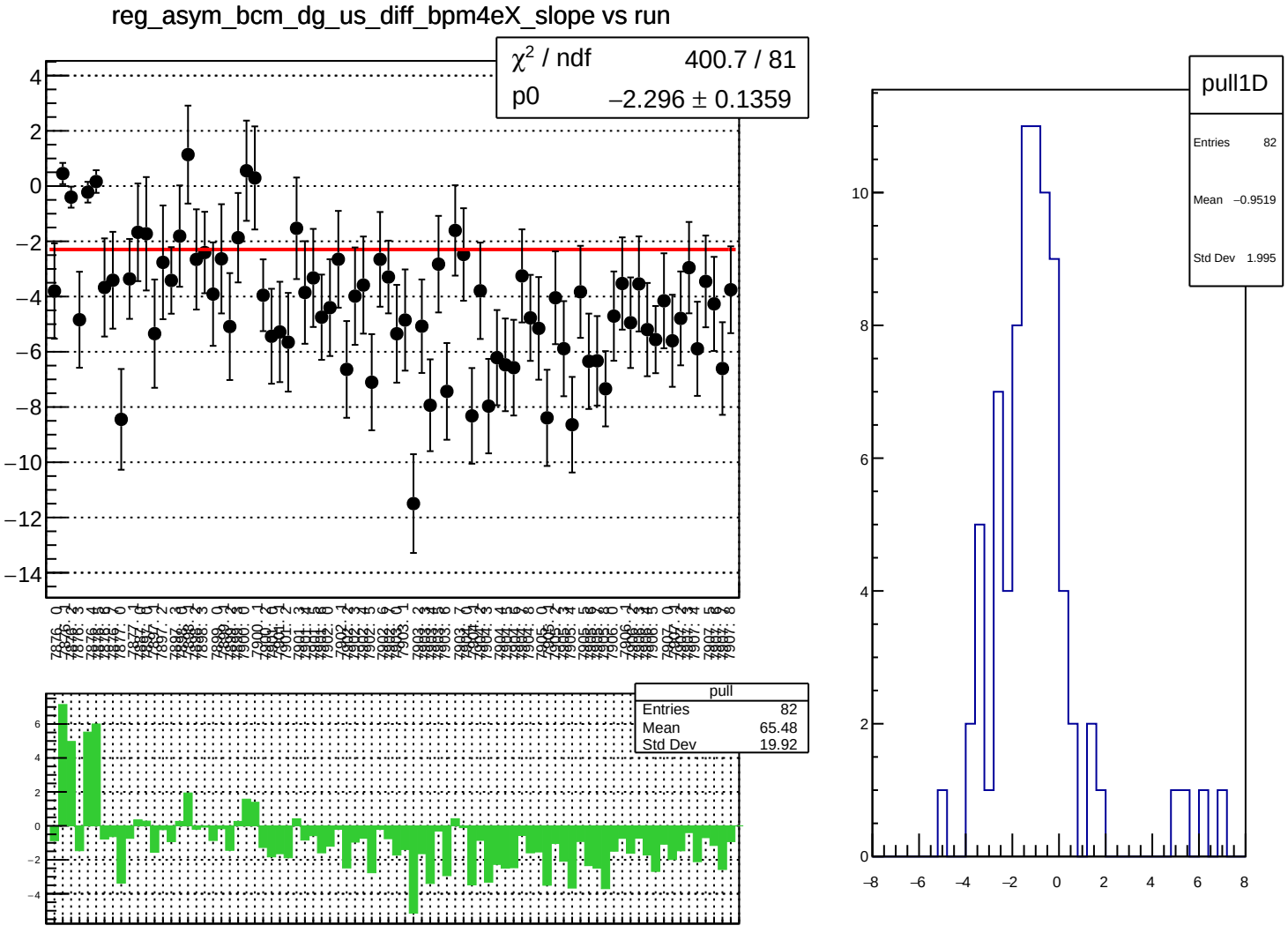

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 108.3 / 81
p0 −0.663 ± 0.2238
pull
Entries 82
Mean 31.79
Std Dev 42.08

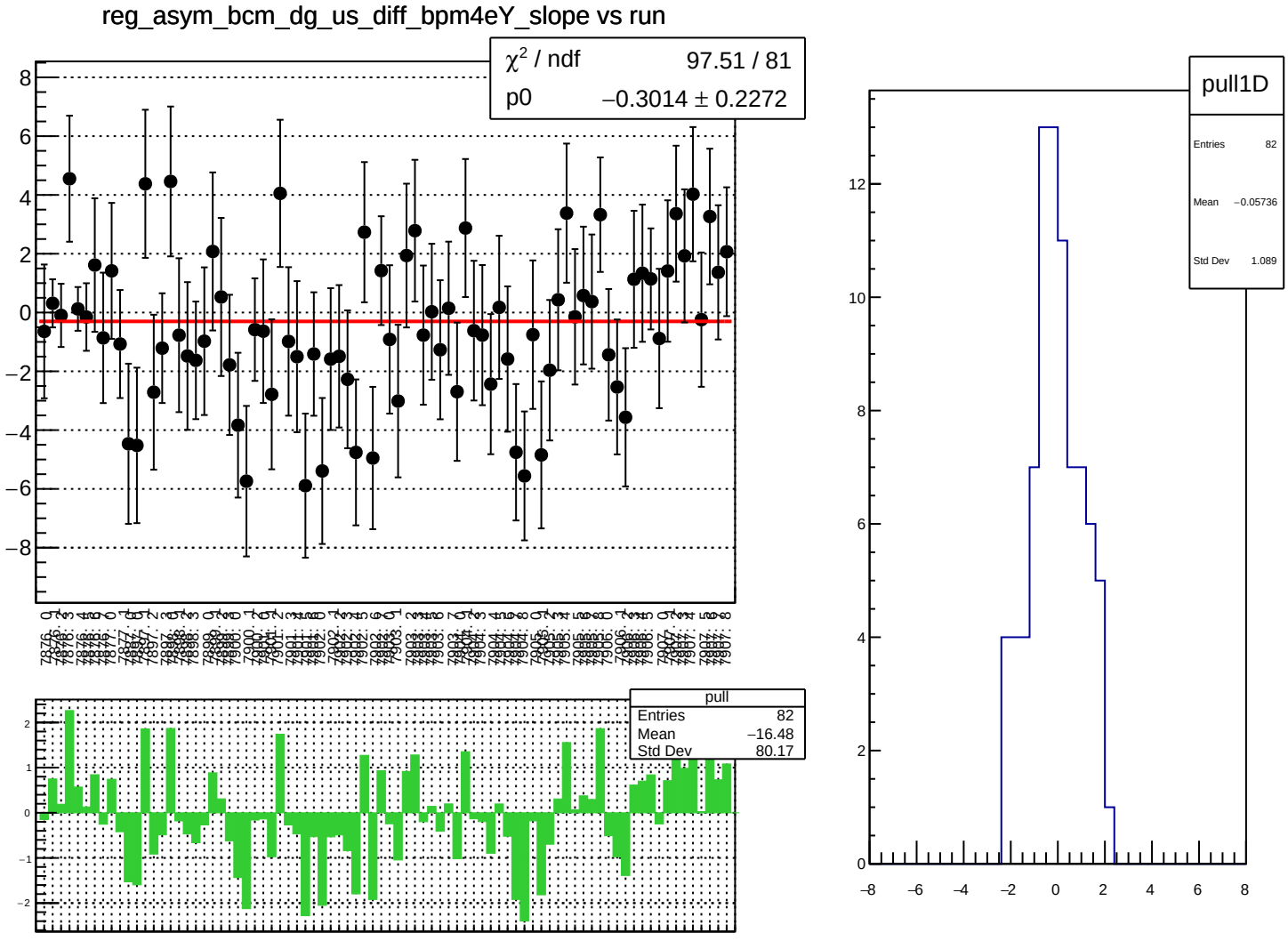

pull1D
Entries 82
Mean −0.113
Std Dev 1.144

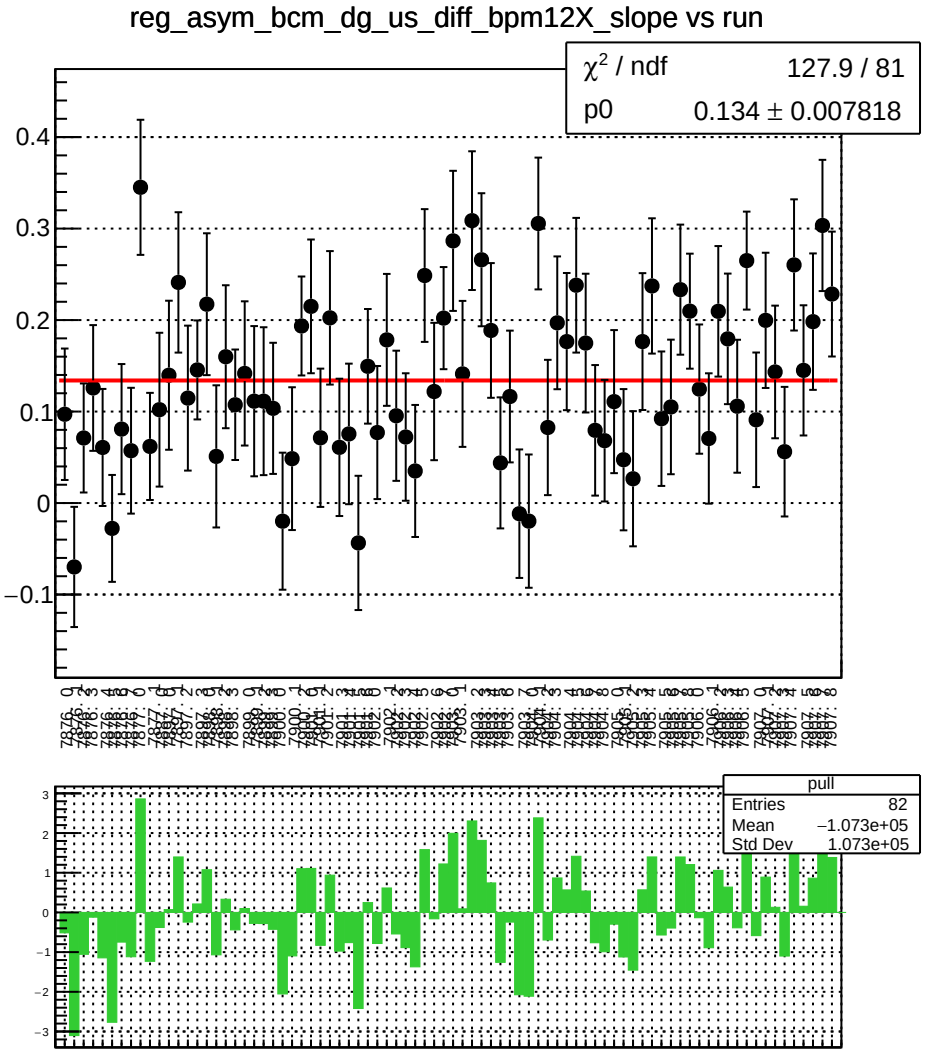

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 141.3 / 81
p0 0.1219 ± 0.007706
pull
Entries 82
Mean −1227
Std Dev 1270
pull1D
Entries 82
Mean −0.007401
Std Dev 1.313

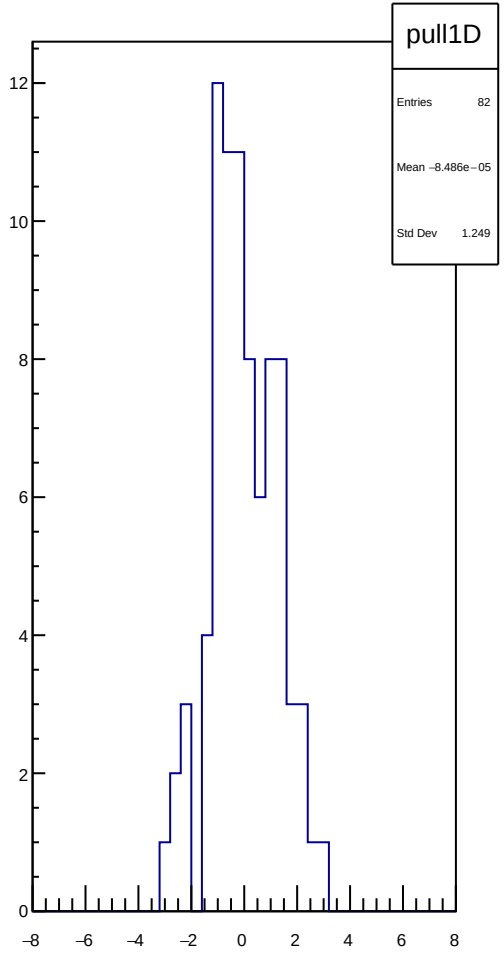

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 358.1 / 81
p0 2.907 ± 0.1691
pull
Entries 82
Mean 69.26
Std Dev 25.22
pull1D
Entries 82
Mean 0.8052
Std Dev 1.928


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 87.15 / 81
p0 −0.7198 ± 0.1805
pull
Entries 82
Mean 118.2
Std Dev 55.53
pull1D
Entries 82
Mean −0.04692
Std Dev 1.03


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 400.7 / 81
p0 −2.296 ± 0.1359
pull
Entries 82
Mean 65.48
Std Dev 19.92
pull1D
Entries 82
Mean −0.9519
Std Dev 1.995


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 97.51 / 81
p0 −0.3014 ± 0.2272
pull
Entries 82
Mean −16.48
Std Dev 80.17
pull1D
Entries 82
Mean −0.05736
Std Dev 1.089


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 127.9 / 81
p0 0.134 ± 0.007818
pull
Entries 82
Mean −1.073e+05
Std Dev 1.073e+05


pull1D
Entries 82
Mean −8.486e−05
Std Dev 1.249