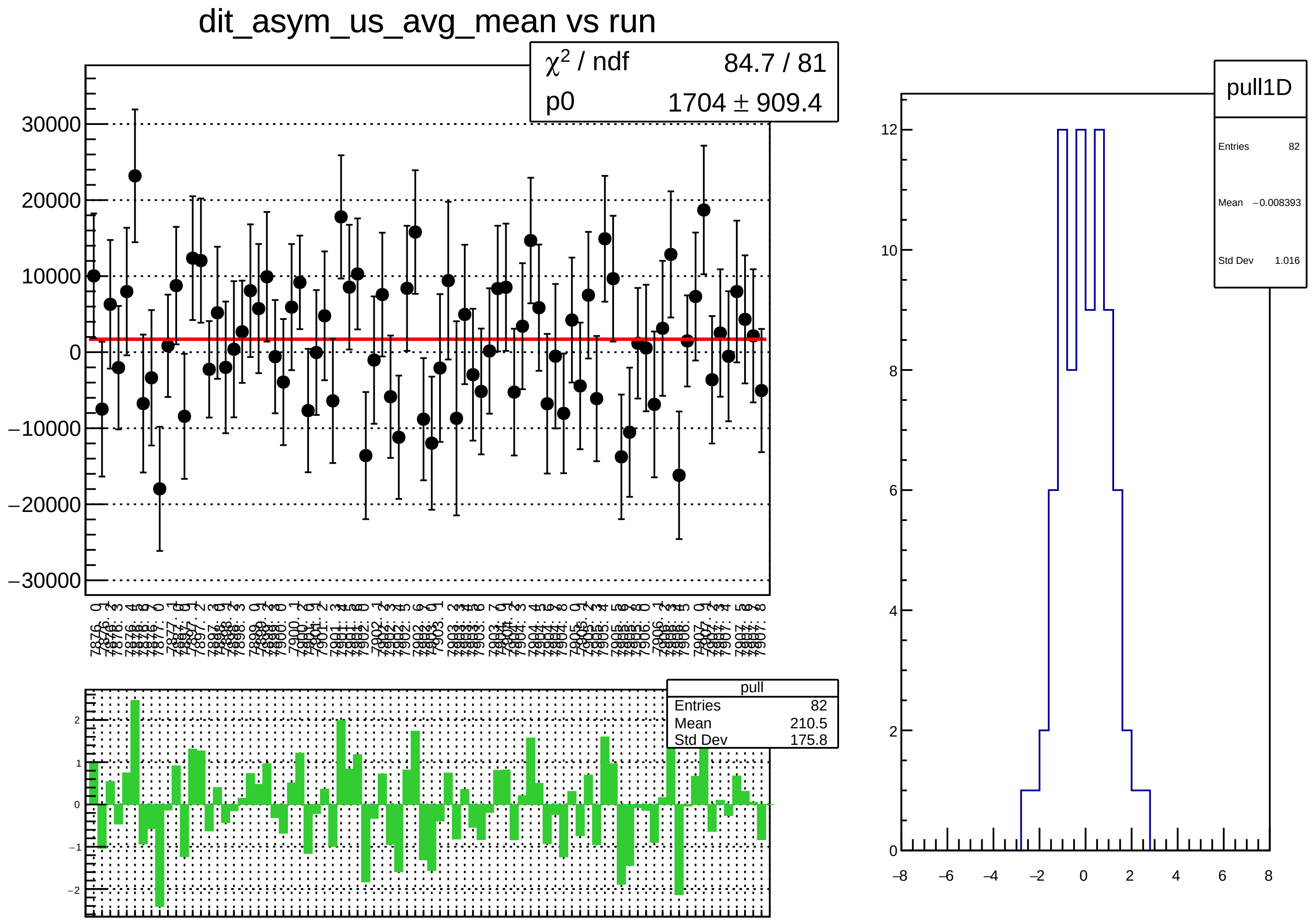
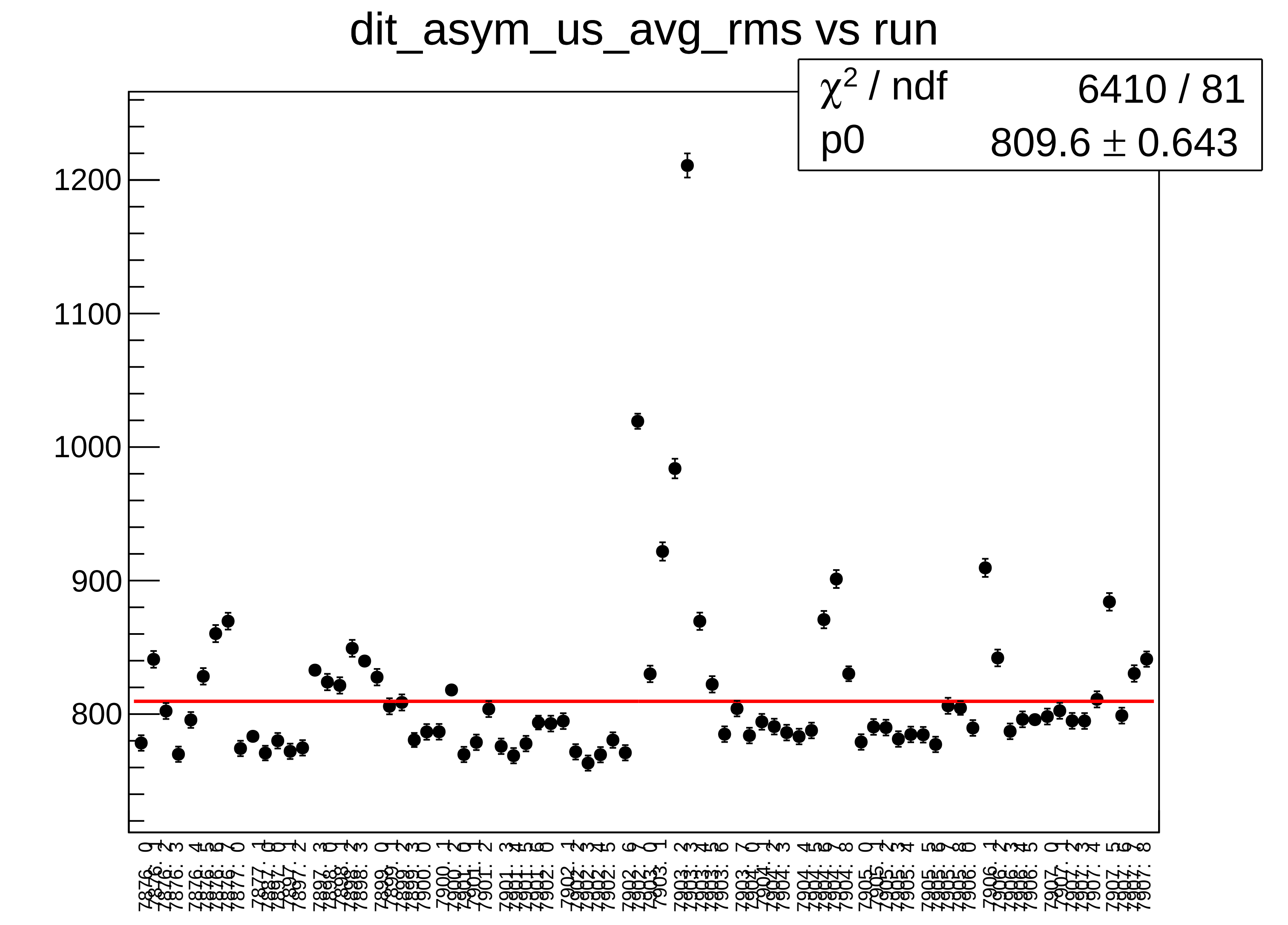
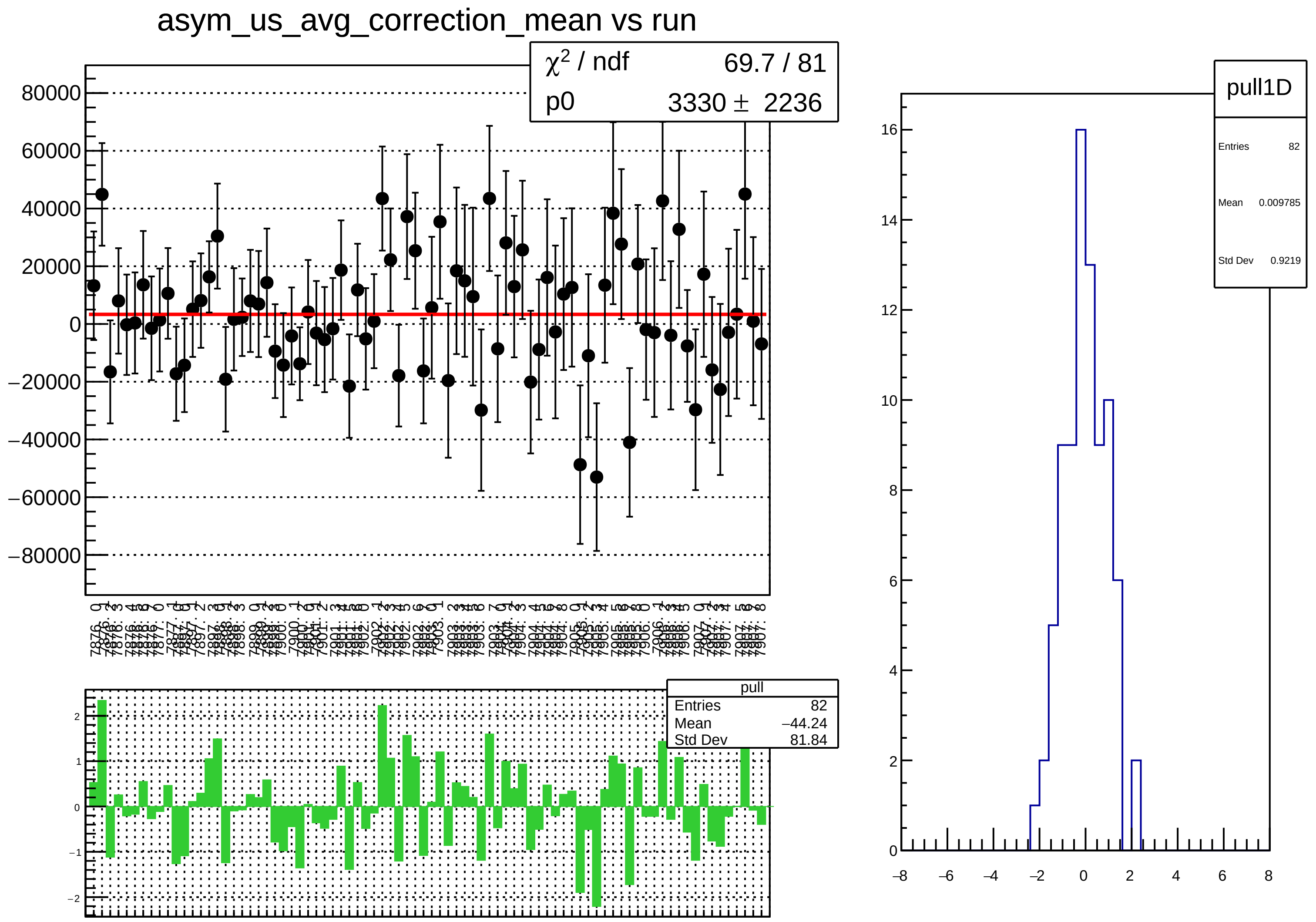
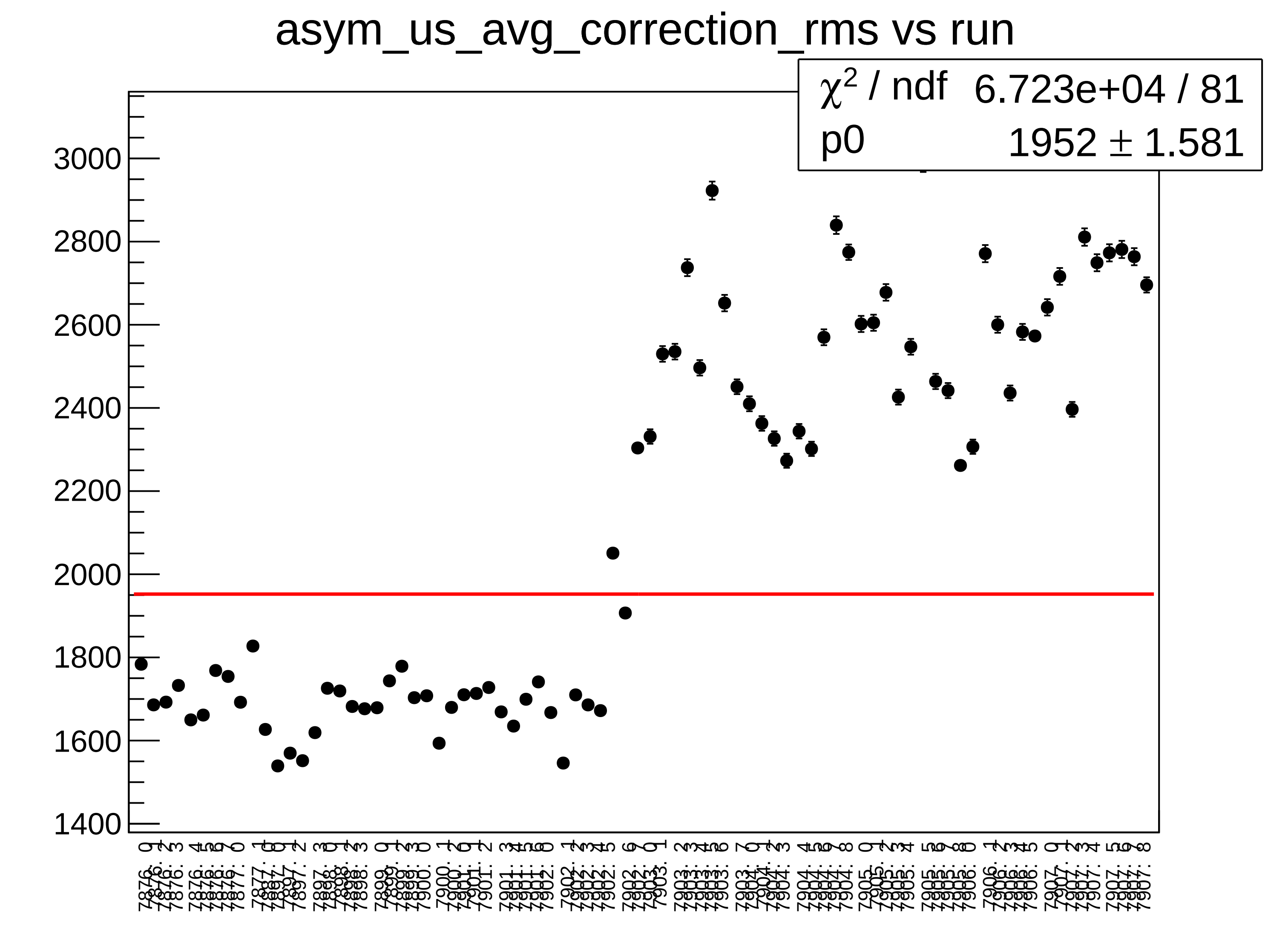


dit_asym_us_avg_mean vs run
χ2 / ndf 84.7 / 81
p0 1704 ± 909.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 210.5
Std Dev 175.8
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.008393
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

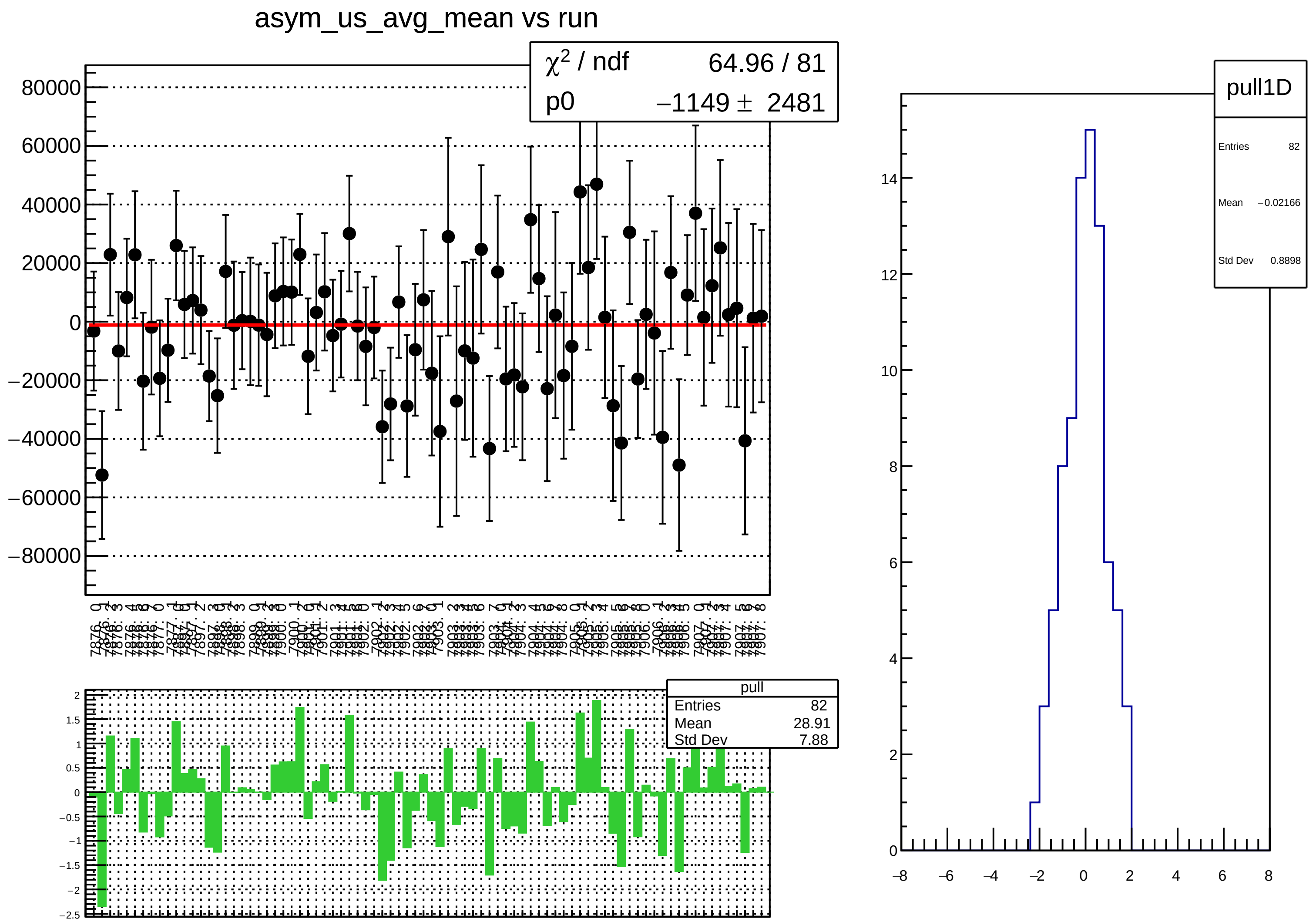


dit_asym_us_avg_rms vs run
χ^2 / ndf 6410 / 81
p0 809.6 ± 0.643
1200
1100
1000
900
800

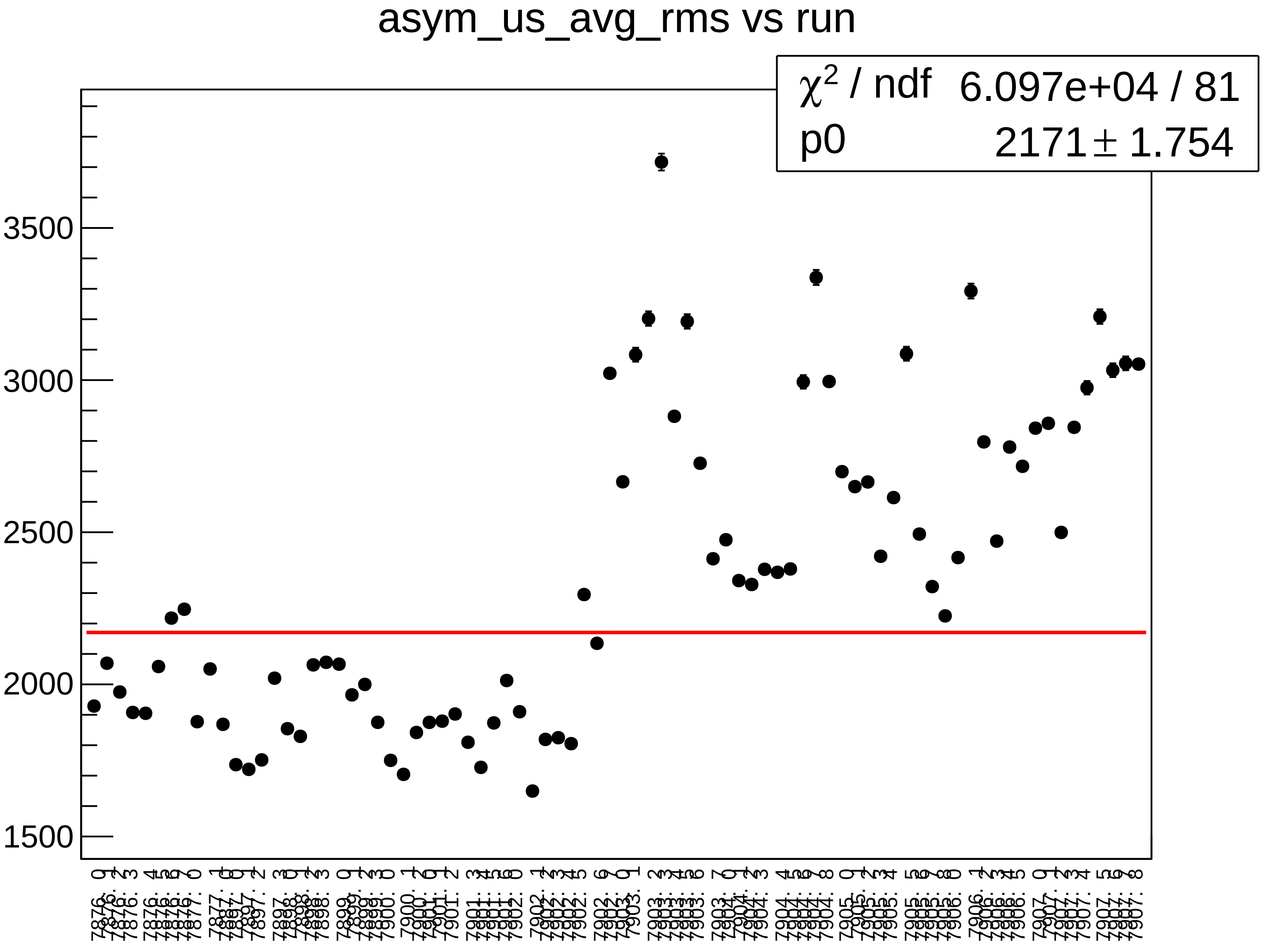

asym_us_avg_correction_mean vs run
χ^2 / ndf 69.7 / 81
p0 3330 ± 2236
pull
Entries 82
Mean −44.24
Std Dev 81.84
pull1D
Entries 82
Mean 0.009785
Std Dev 0.9219

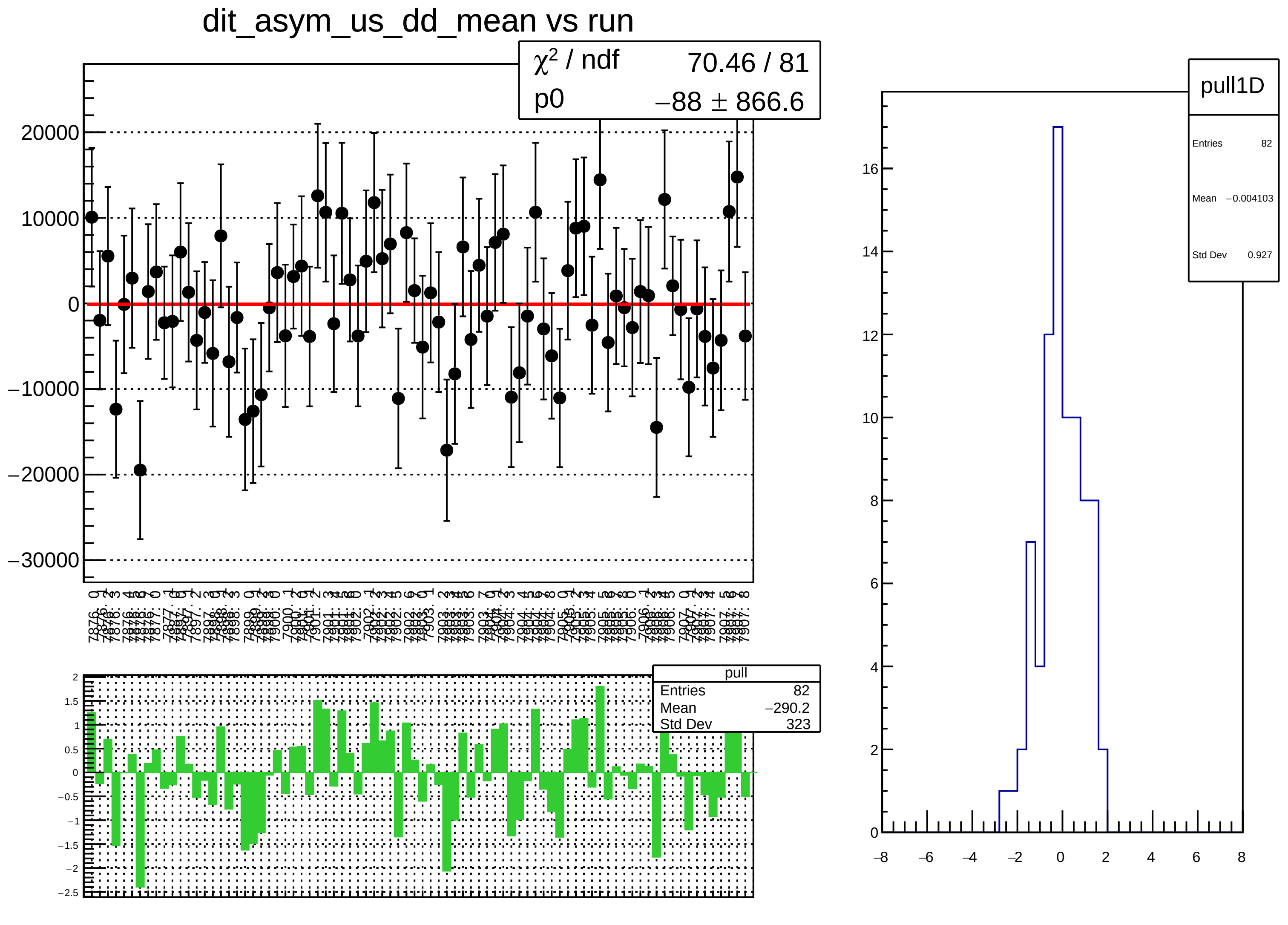


asym_us_avg_correction_rms vs run
χ^2 / ndf 6.723e+04 / 81
p0 1952 ± 1.581
3000
2800
2600
2400
2200
2000
1800
1600
1400

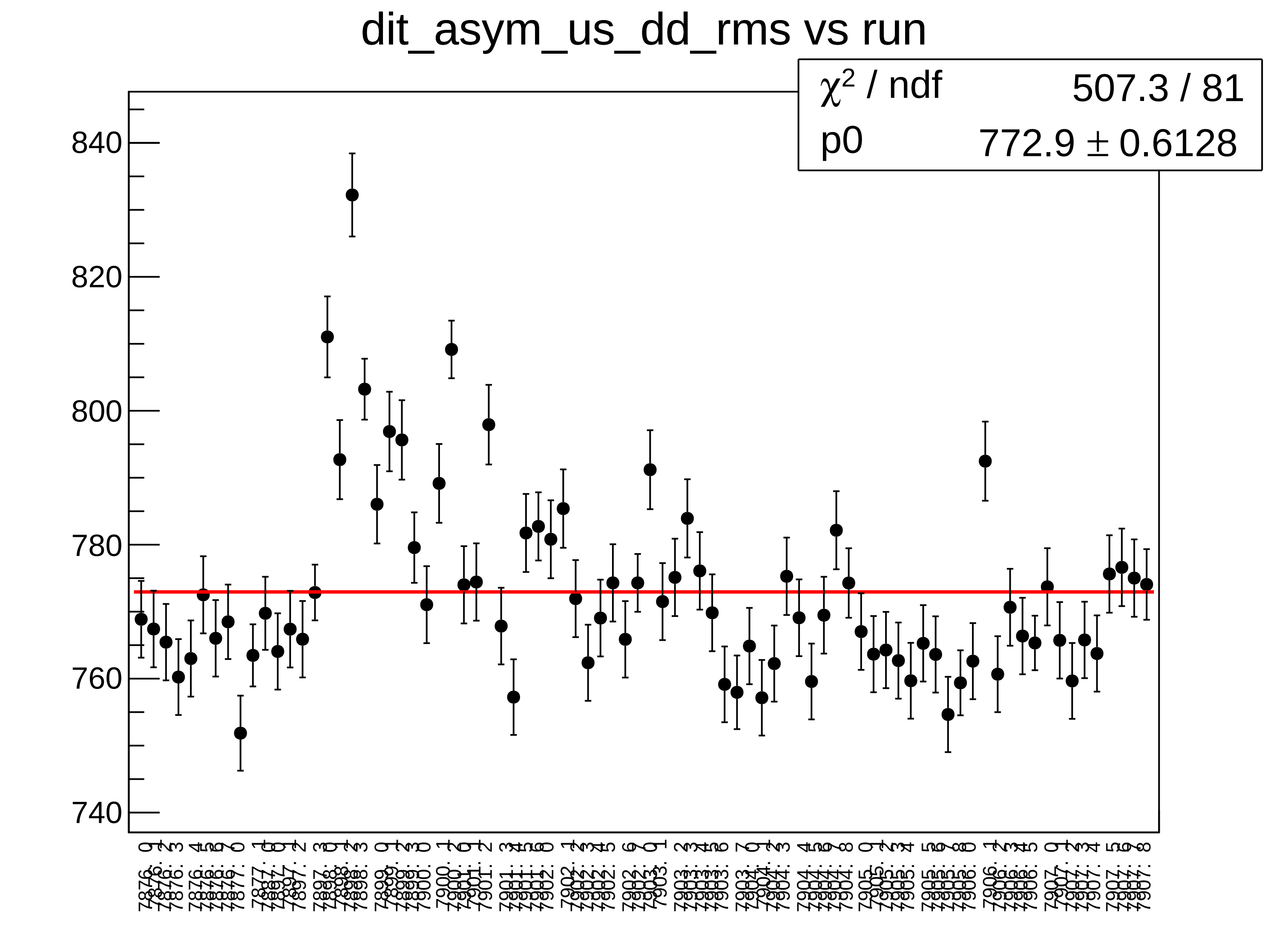


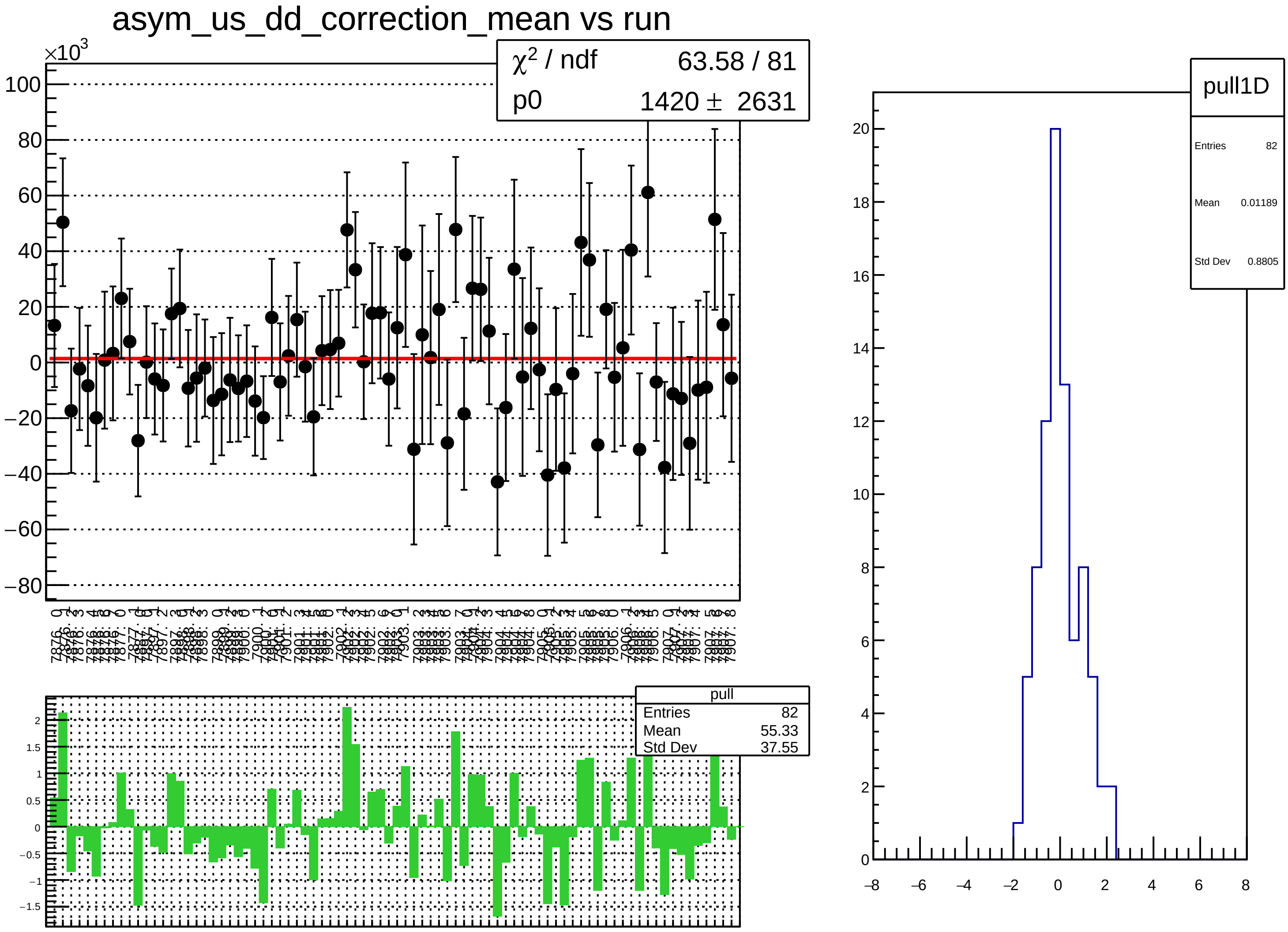
asym_us_avg_mean vs run
χ^2 / ndf 64.96 / 81
p0 −1149 ± 2481
pull
Entries 82
Mean 28.91
Std Dev 7.88
pull1D
Entries 82
Mean −0.02166
Std Dev 0.8898


asym_us_avg_rms vs run
χ2 / ndf 6.097e+04 / 81
p0 2171 ± 1.754
3500
3000
2500
2000
1500

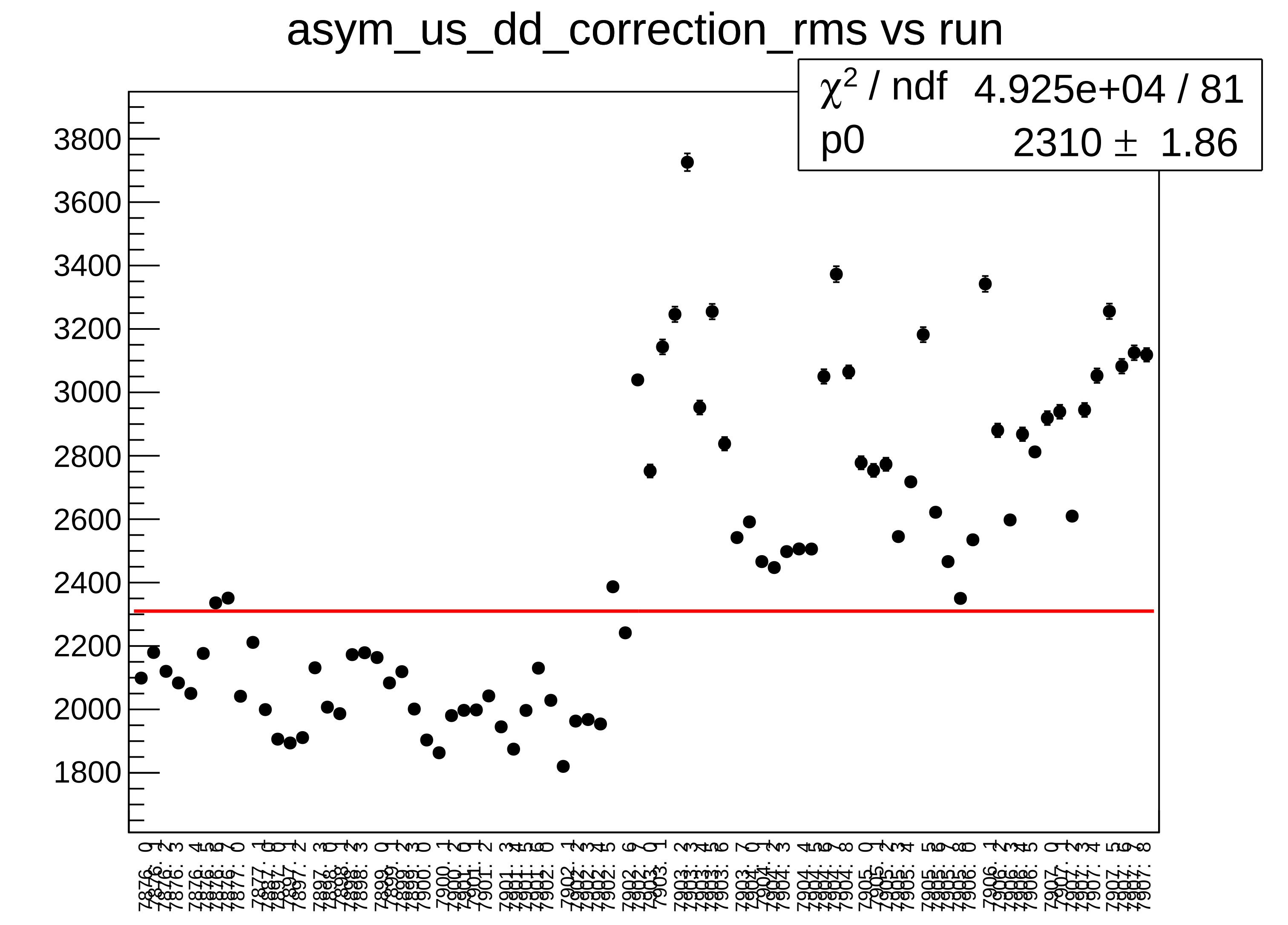


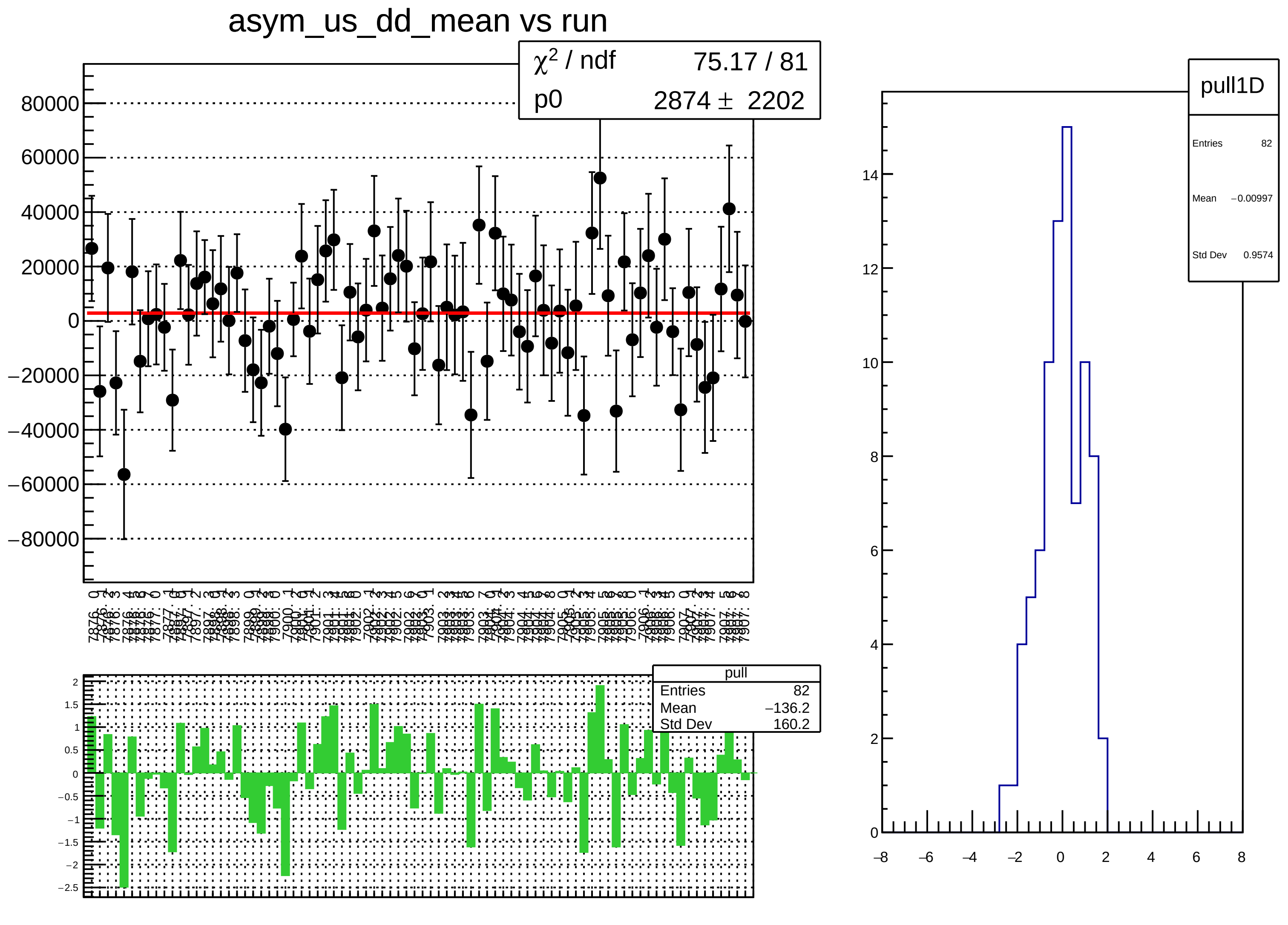
dit_asym_us_dd_mean vs run
χ^2 / ndf 70.46 / 81
p0 −88 ± 866.6
pull
Entries 82
Mean −290.2
Std Dev 323
pull1D
Entries 82
Mean −0.004103
Std Dev 0.927


dit_asym_us_dd_rms vs run
χ2 / ndf 507.3 / 81
p0 772.9 ± 0.6128
840
820
800
780
760
740

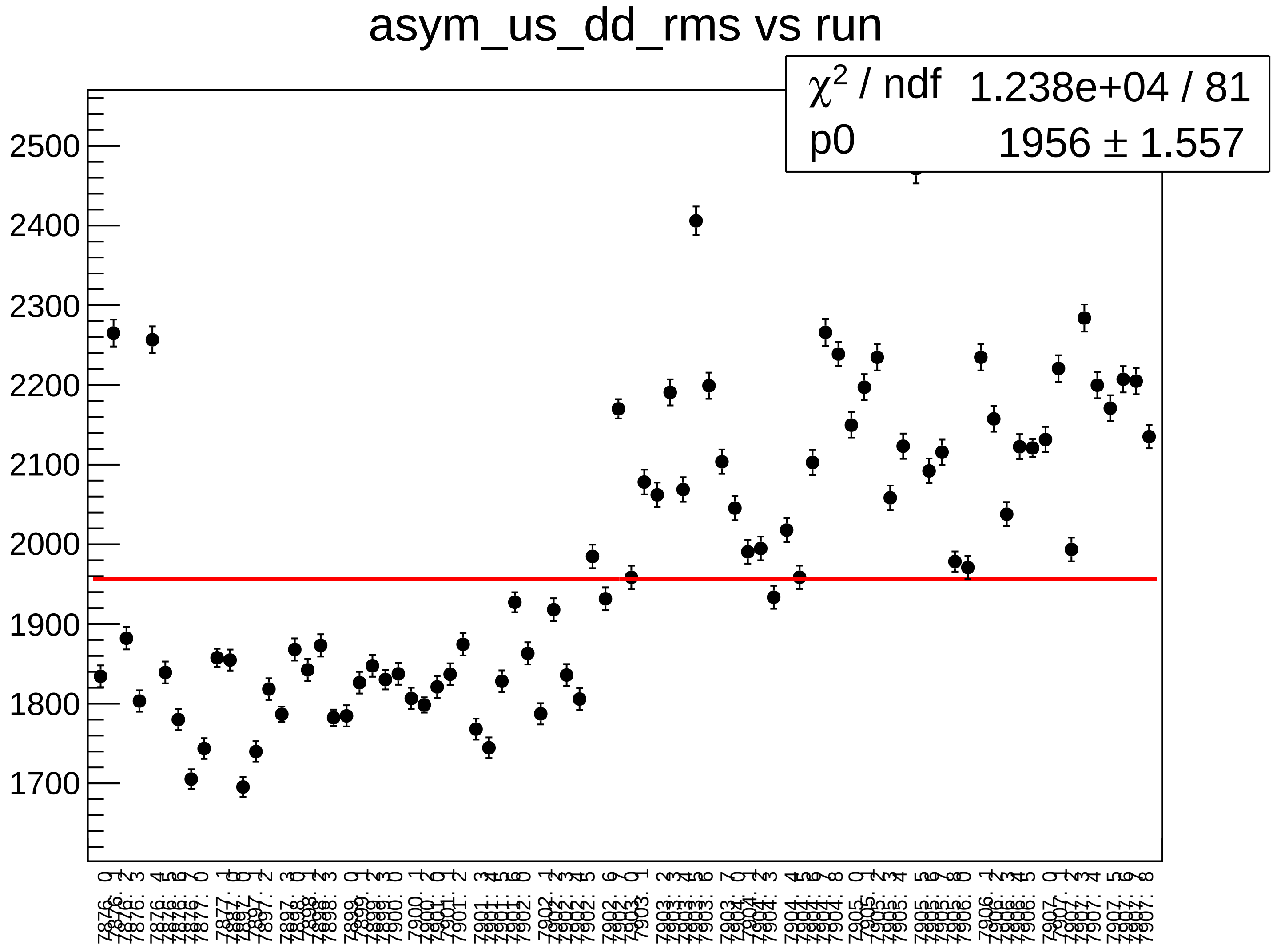


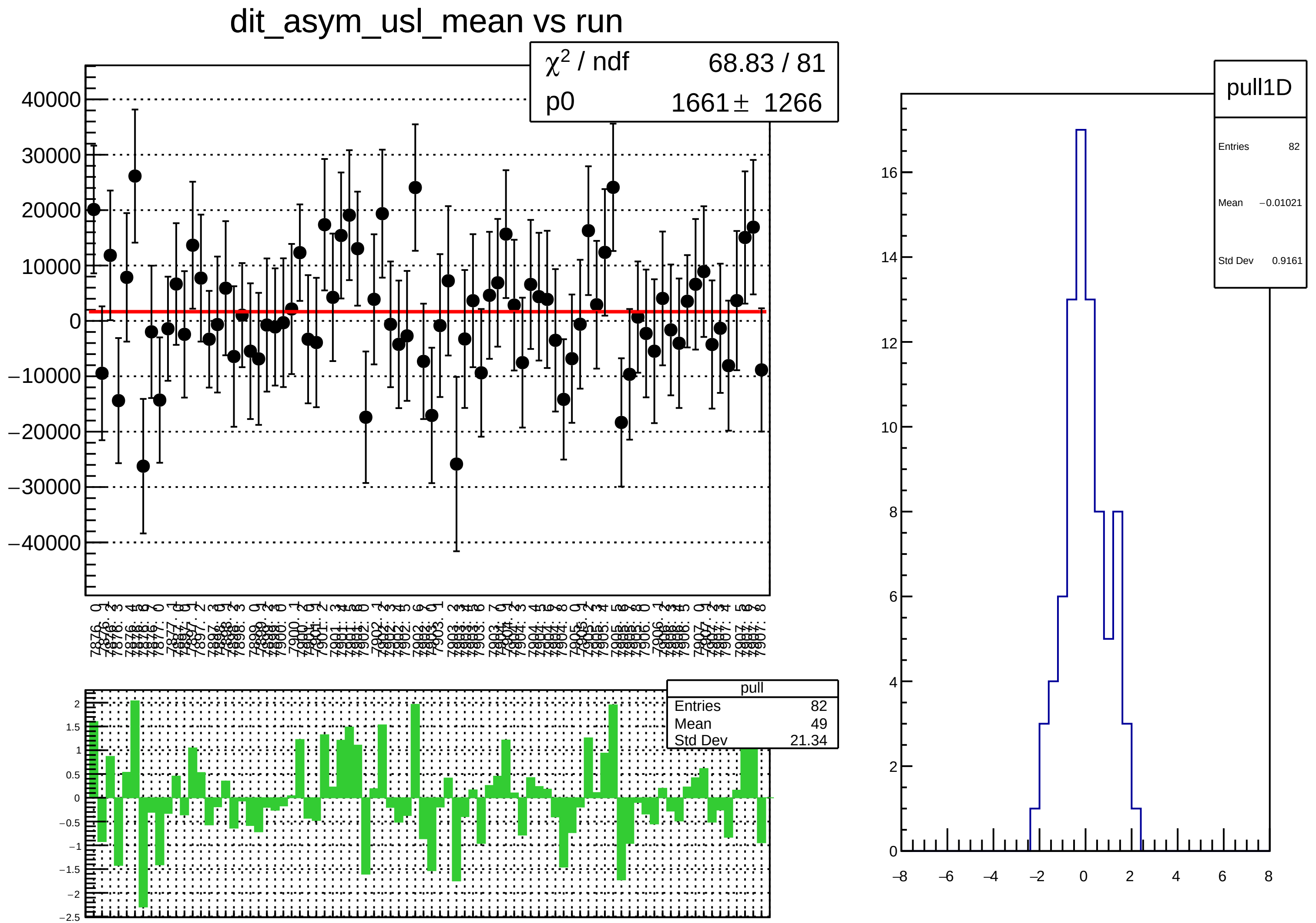
asym_us_dd_correction_mean vs run
×10^3
χ2 / ndf 63.58 / 81
p0 1420 ± 2631
pull
Entries 82
Mean 55.33
Std Dev 37.55
pull1D
Entries 82
Mean 0.01189
Std Dev 0.8805


asym_us_dd_correction_rms vs run
χ² / ndf 4.925e+04 / 81
p0 2310 ± 1.86
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

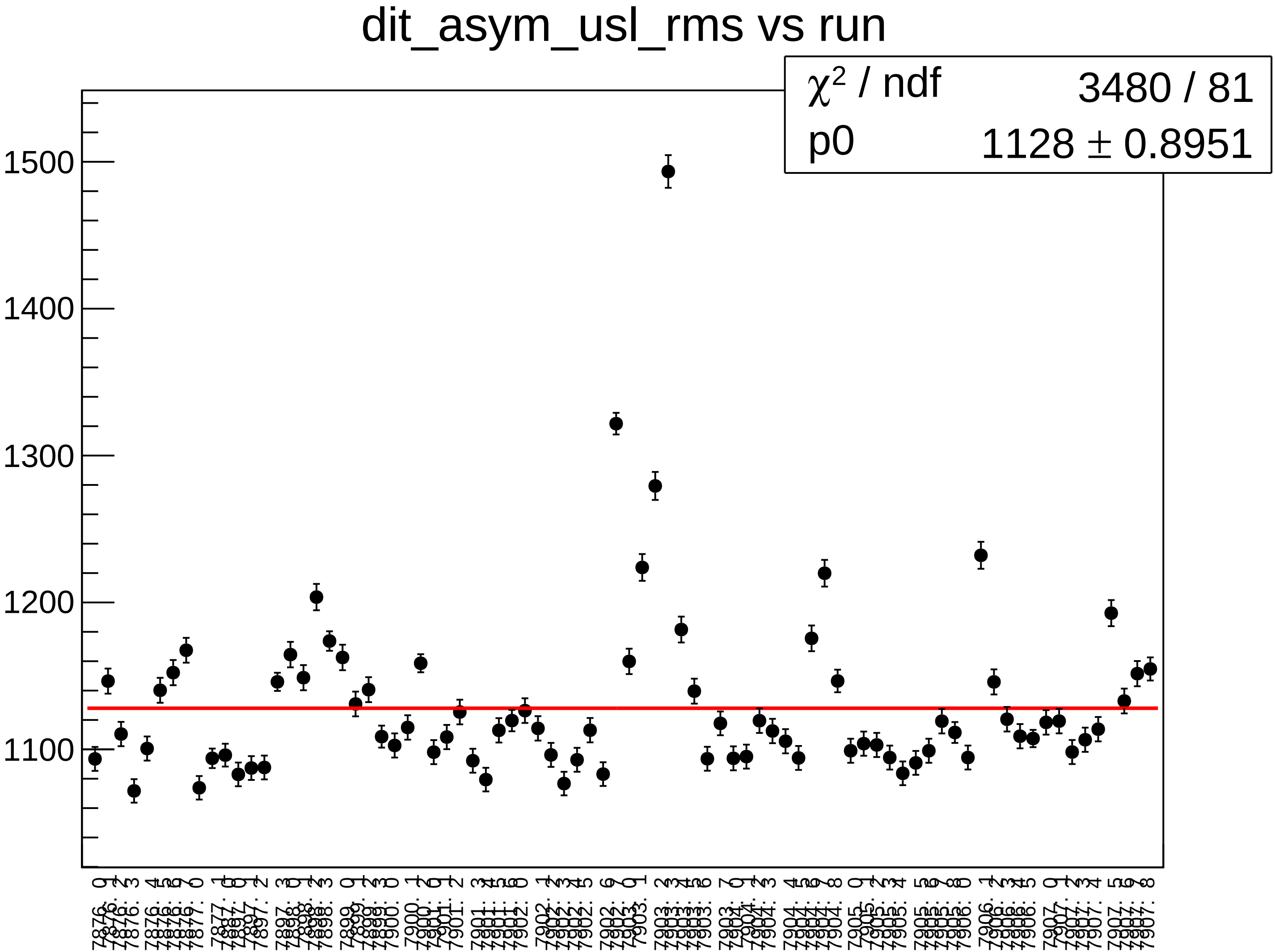


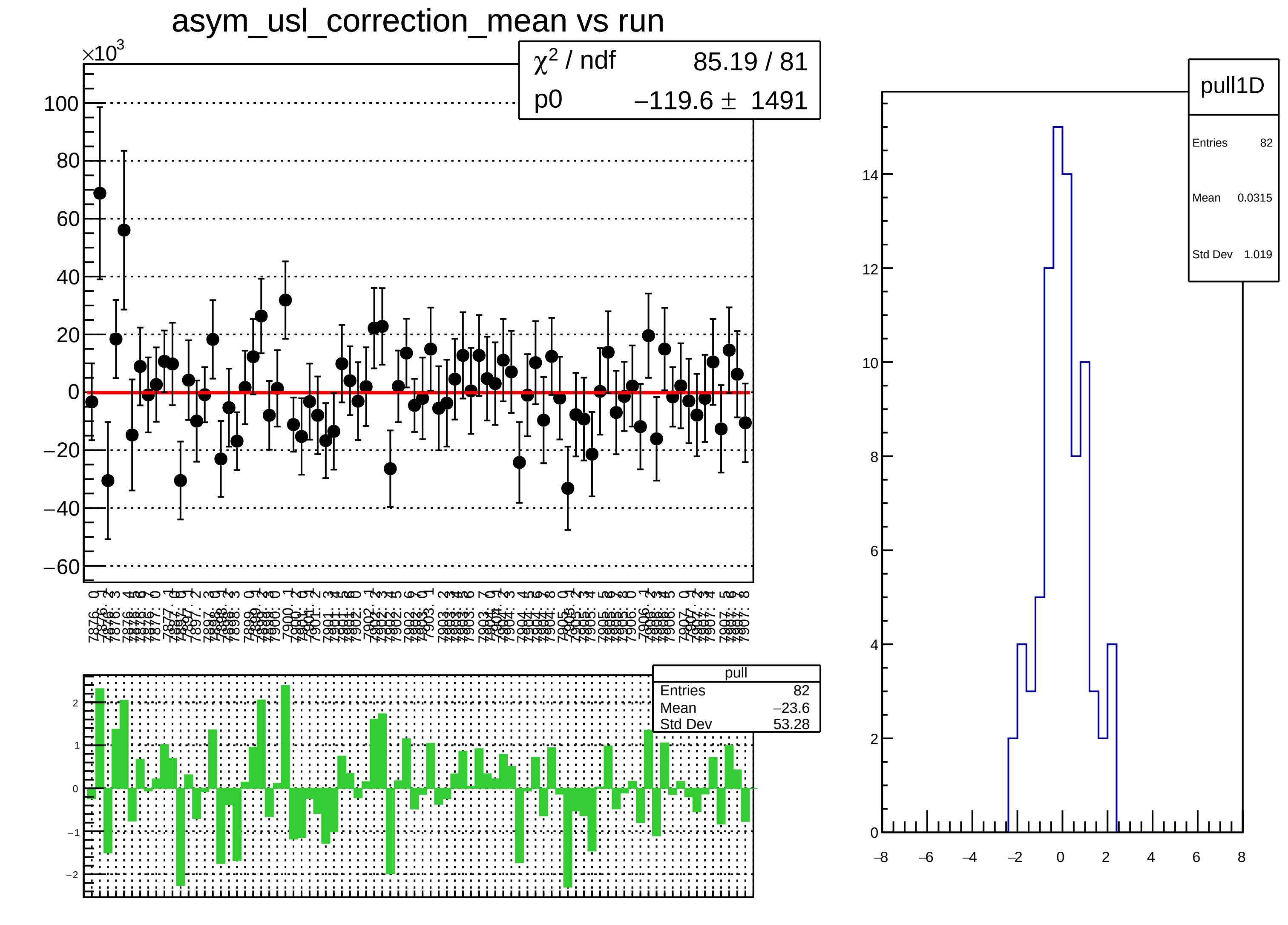
asym_us_dd_mean vs run
χ2 / ndf 75.17 / 81
p0 2874 ± 2202
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −136.2
Std Dev 160.2
pull1D
Entries 82
Mean −0.00997
Std Dev 0.9574


asym_us_dd_rms vs run
χ2 / ndf 1.238e+04 / 81
p0 1956 ± 1.557
2500
2400
2300
2200
2100
2000
1900
1800
1700

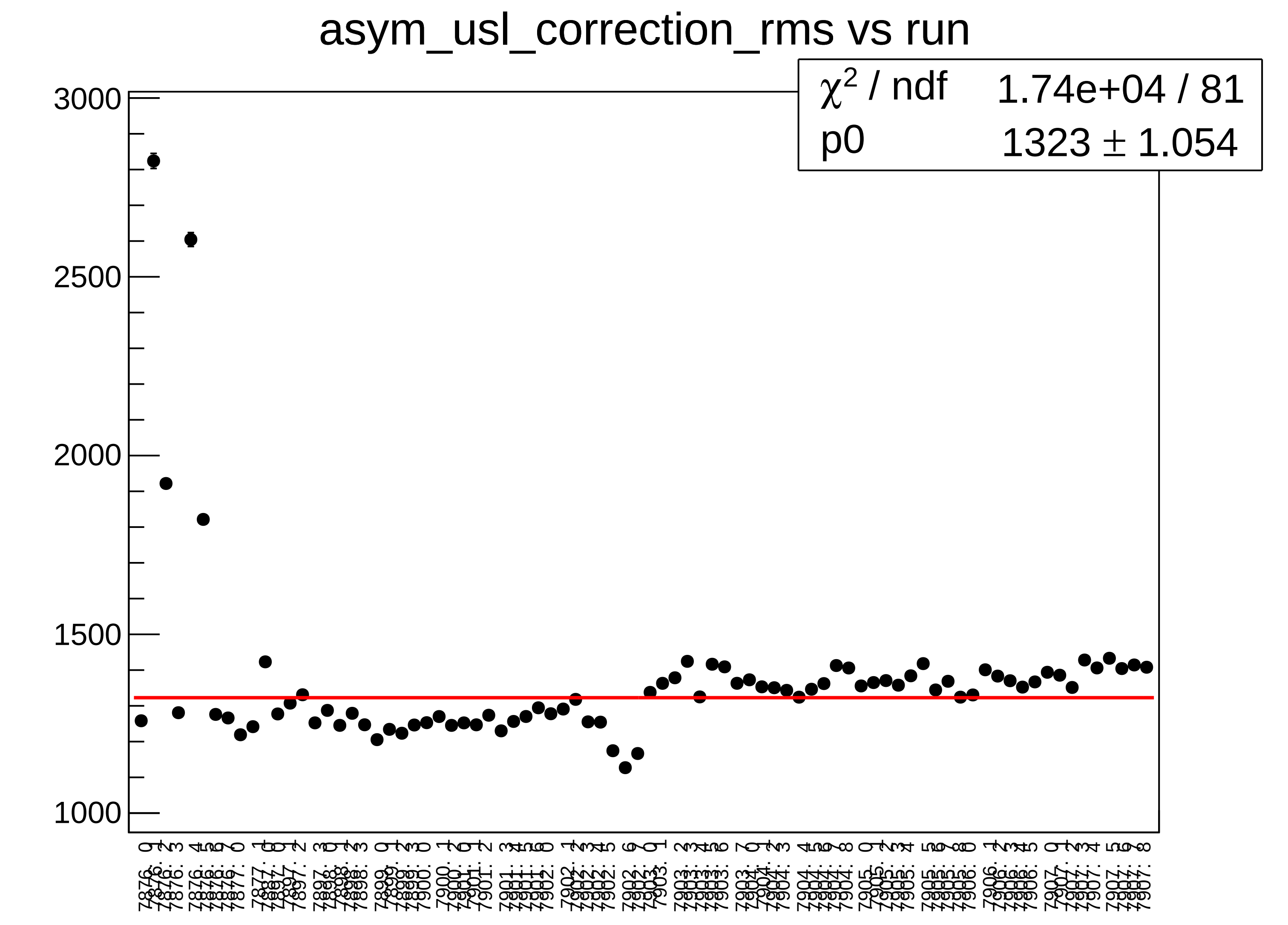


dit_asym_usl_mean vs run
χ^2 / ndf 68.83 / 81
p0 1661 ± 1266
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean 49
Std Dev 21.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.01021
Std Dev 0.9161
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

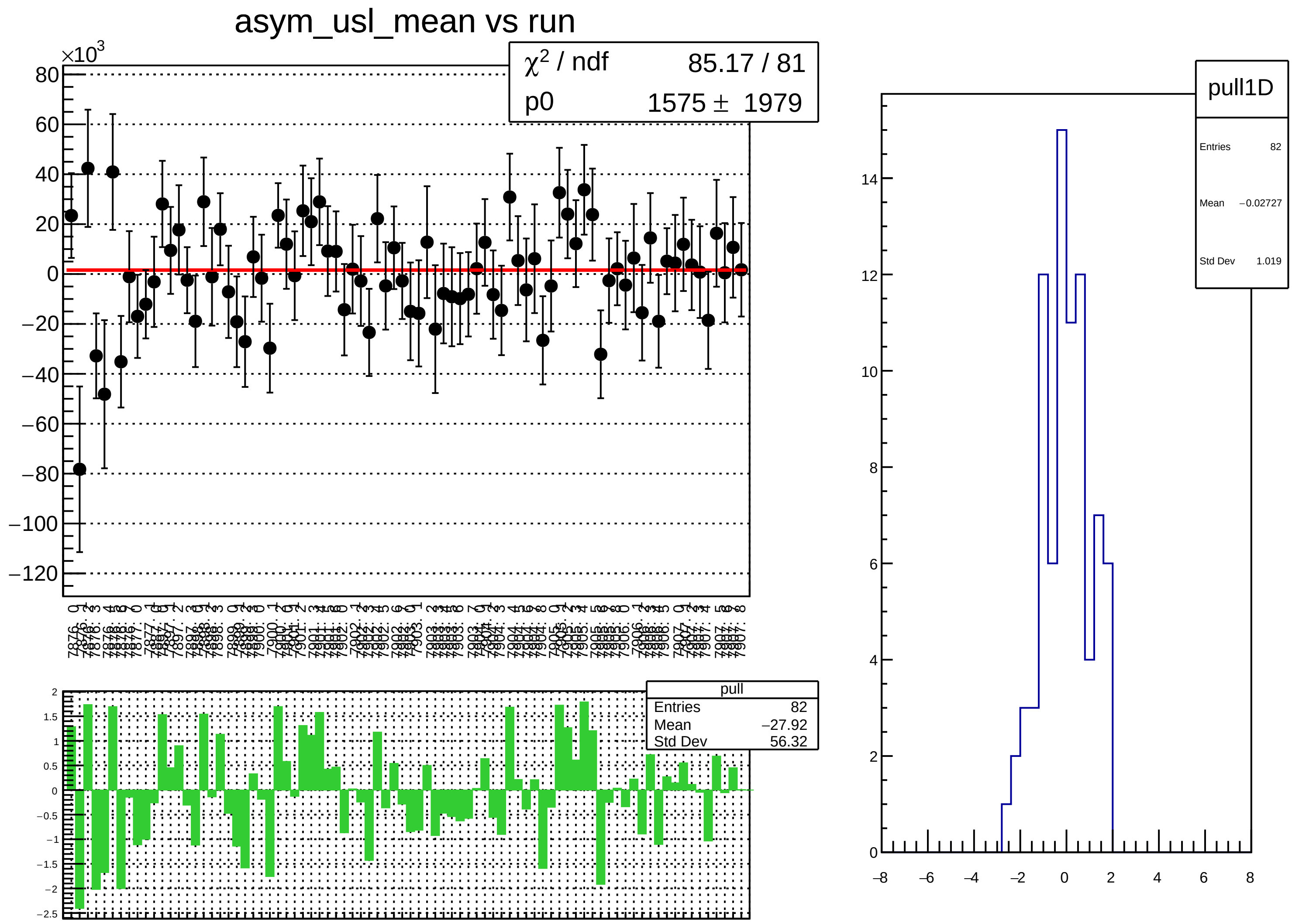

dit_asym_usl_rms vs run
χ2 / ndf 3480 / 81
p0 1128 ± 0.8951
1500
1400
1300
1200
1100



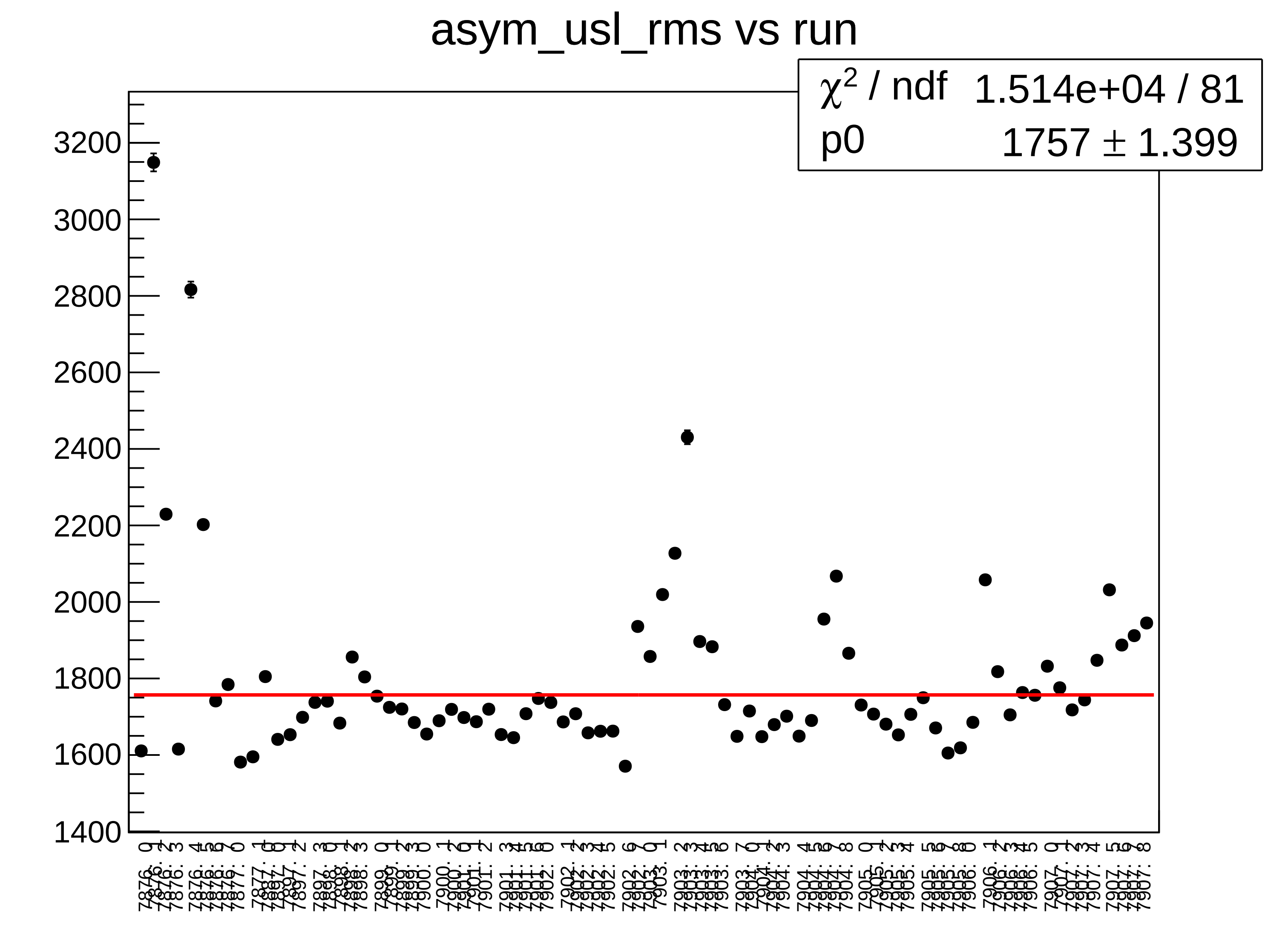
asym_usl_correction_mean vs run
×10^3
χ2 / ndf 85.19 / 81
p0 −119.6 ± 1491
100
80
60
40
20
0
−20
−40
−60
pull
Entries 82
Mean −23.6
Std Dev 53.28
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0315
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



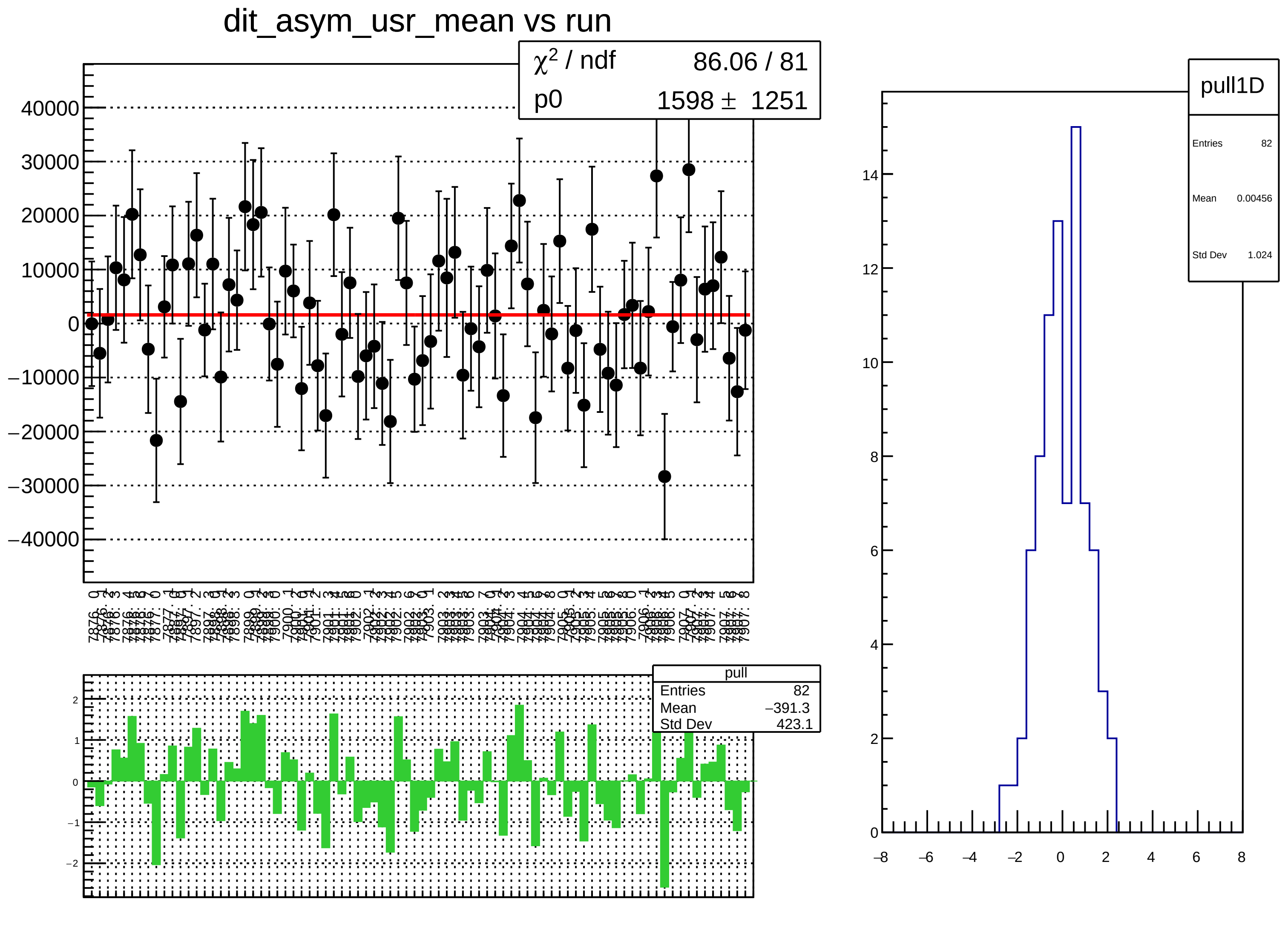
asym_usl_correction_rms vs run
χ2 / ndf 1.74e+04 / 81
p0 1323 ± 1.054
3000
2500
2000
1500
1000



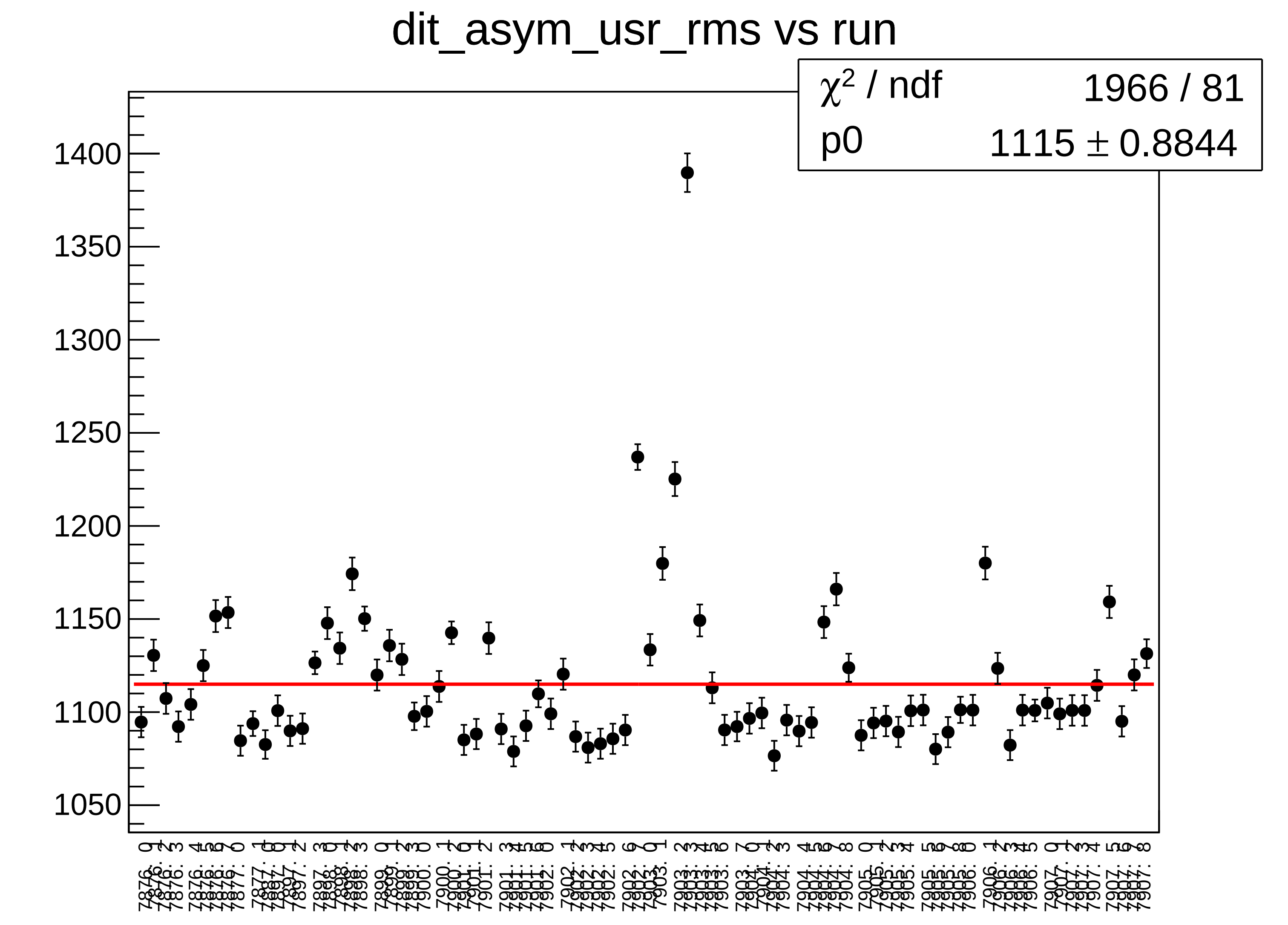
asym_usl_mean vs run
×10^3
χ2 / ndf 85.17 / 81
p0 1575 ± 1979
80
60
40
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 82
Mean −27.92
Std Dev 56.32
pull1D
Entries 82
Mean −0.02727
Std Dev 1.019



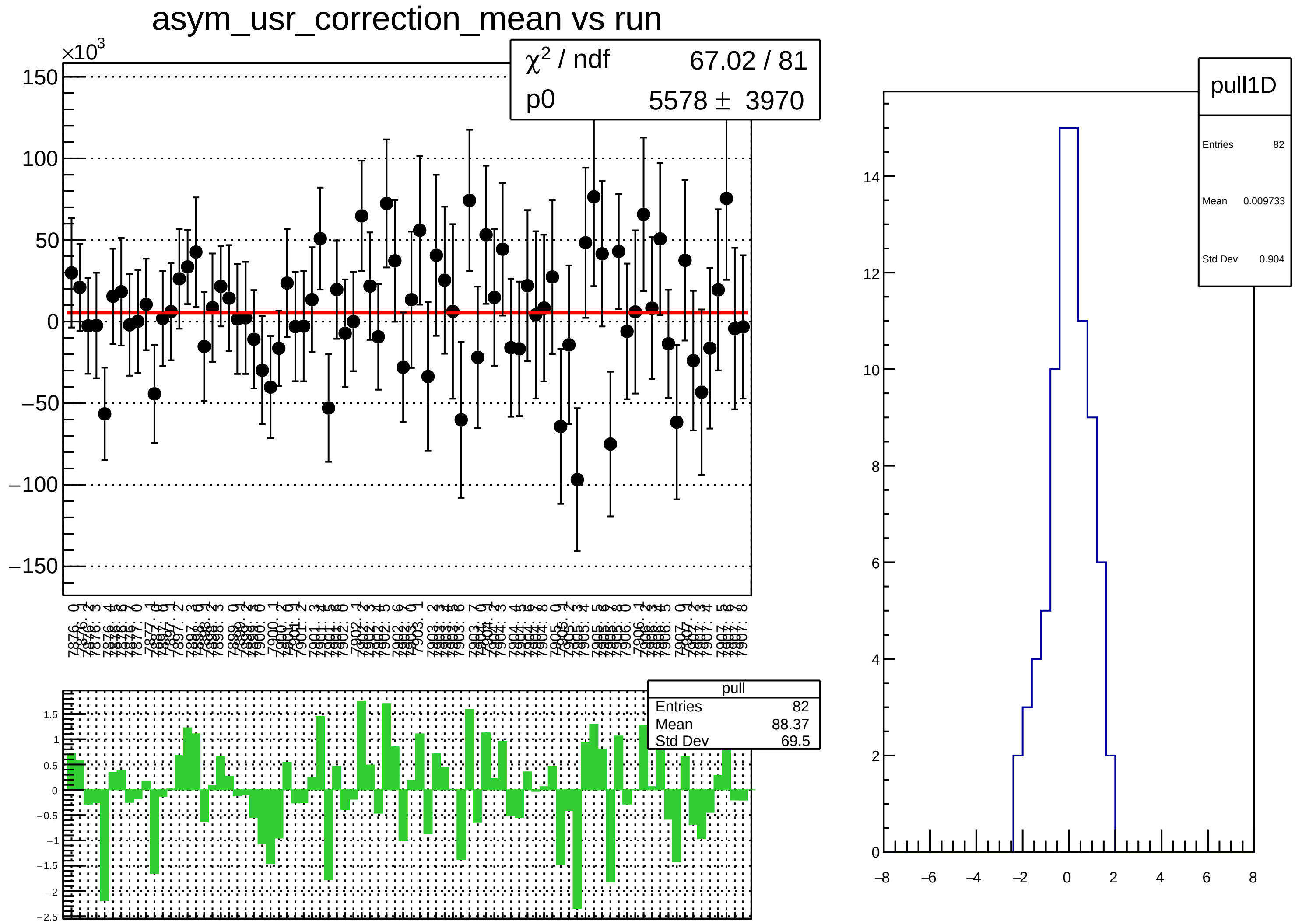
asym_usl_rms vs run
χ2 / ndf 1.514e+04 / 81
p0 1757 ± 1.399
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

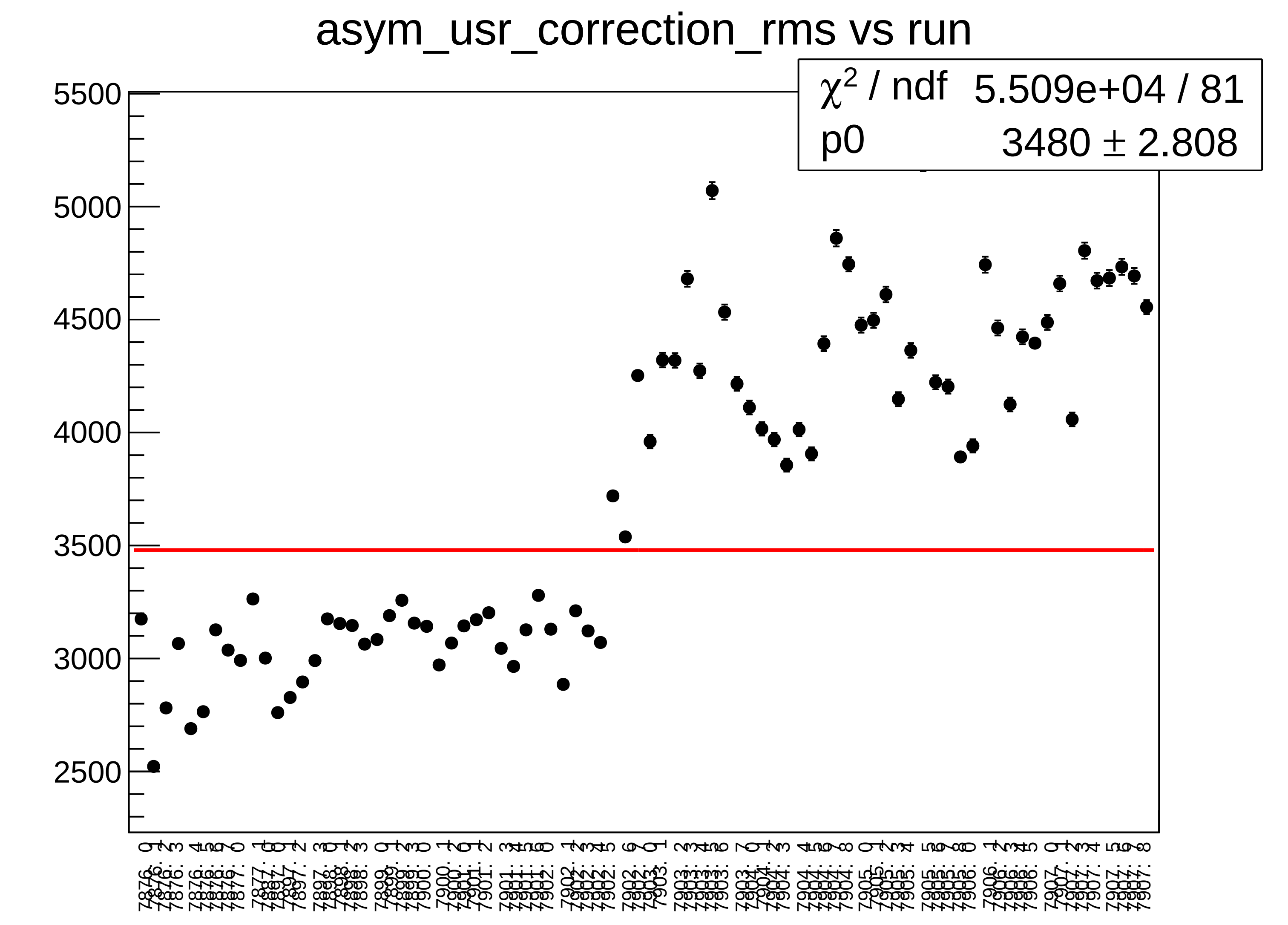


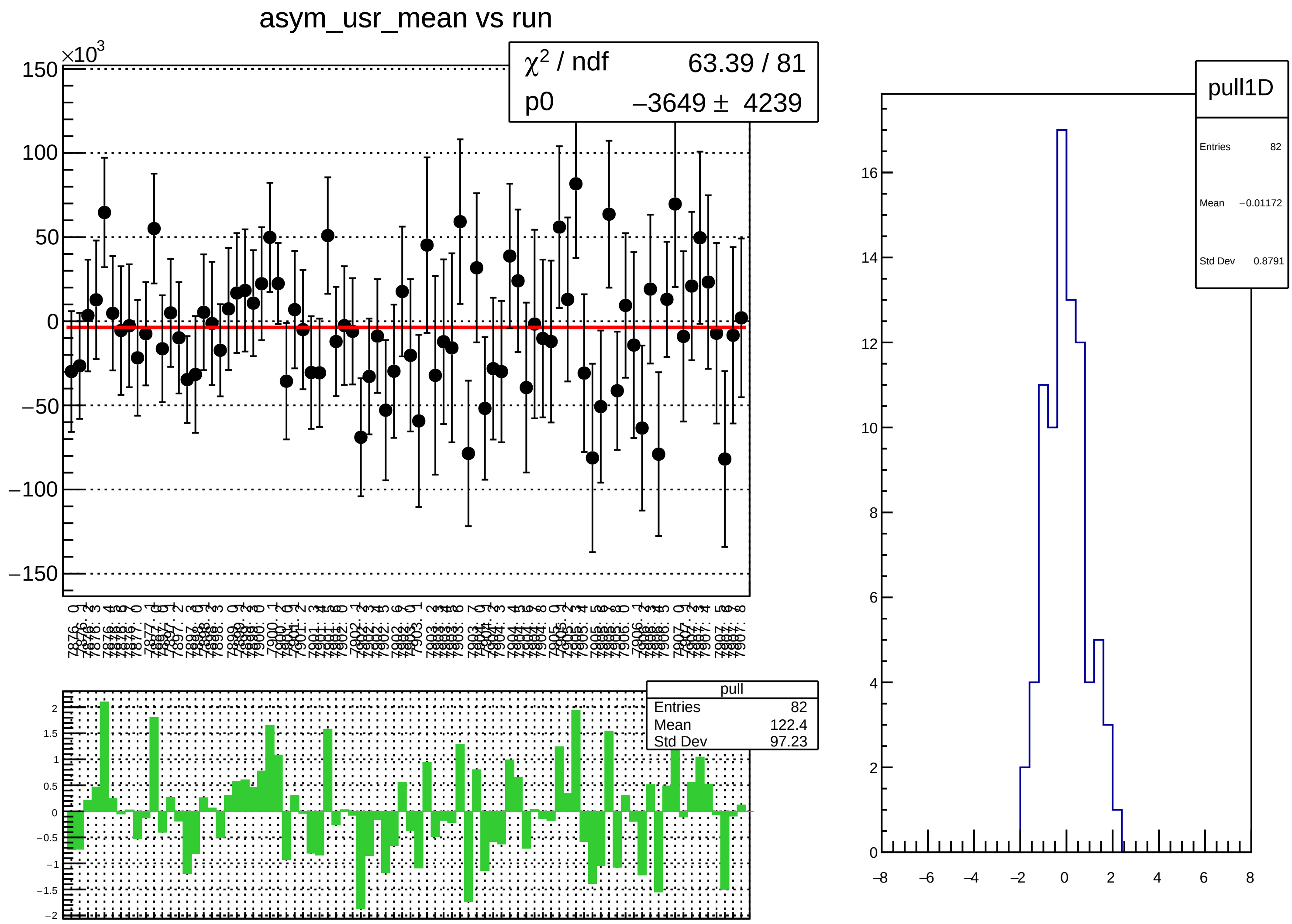
dit_asym_usr_mean vs run
χ2 / ndf 86.06 / 81
p0 1598 ± 1251
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −391.3
Std Dev 423.1
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.00456
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



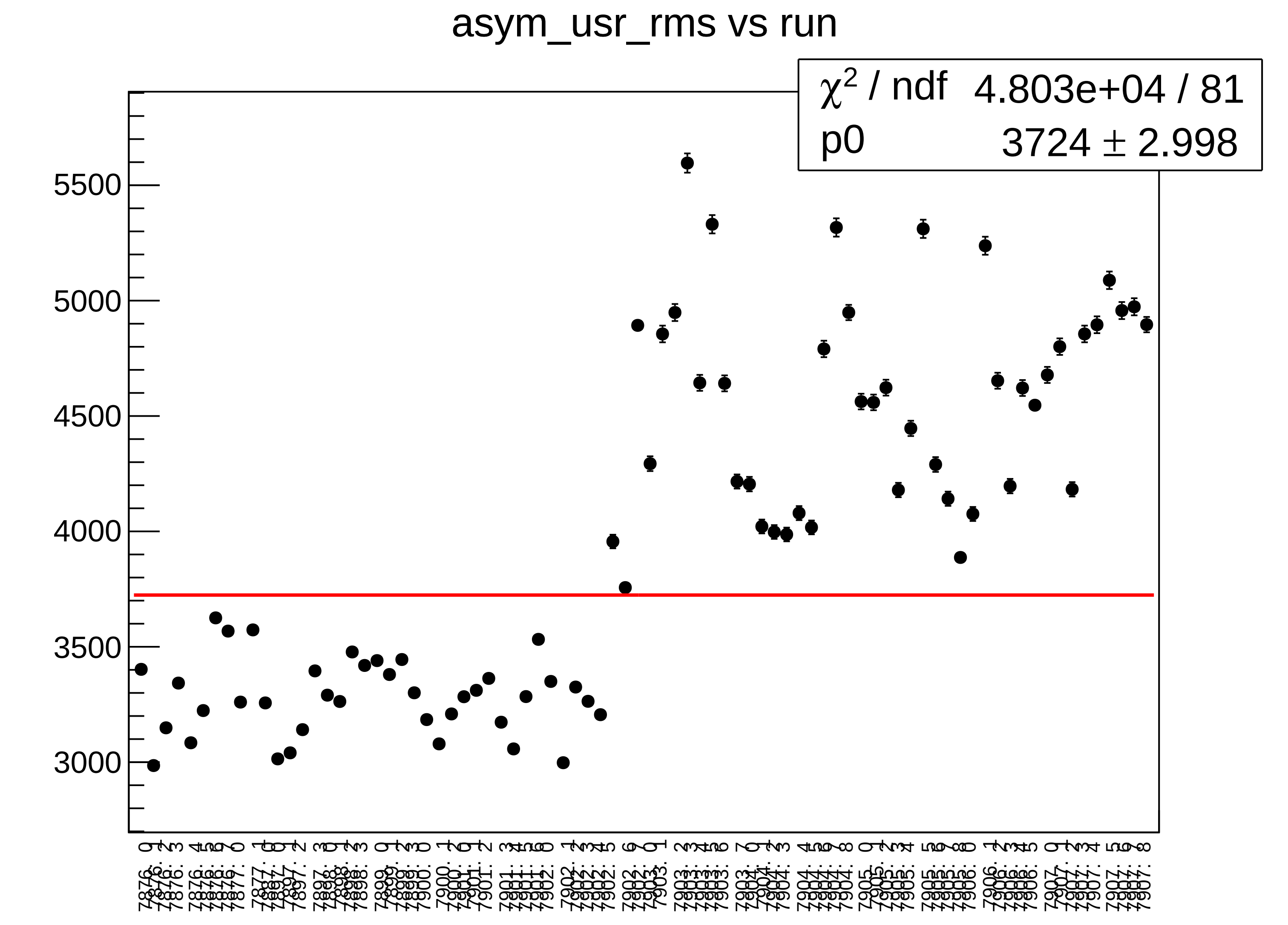
dit_asym_usr_rms vs run
χ2 / ndf 1966 / 81
p0 1115 ± 0.8844
1400
1350
1300
1250
1200
1150
1100
1050

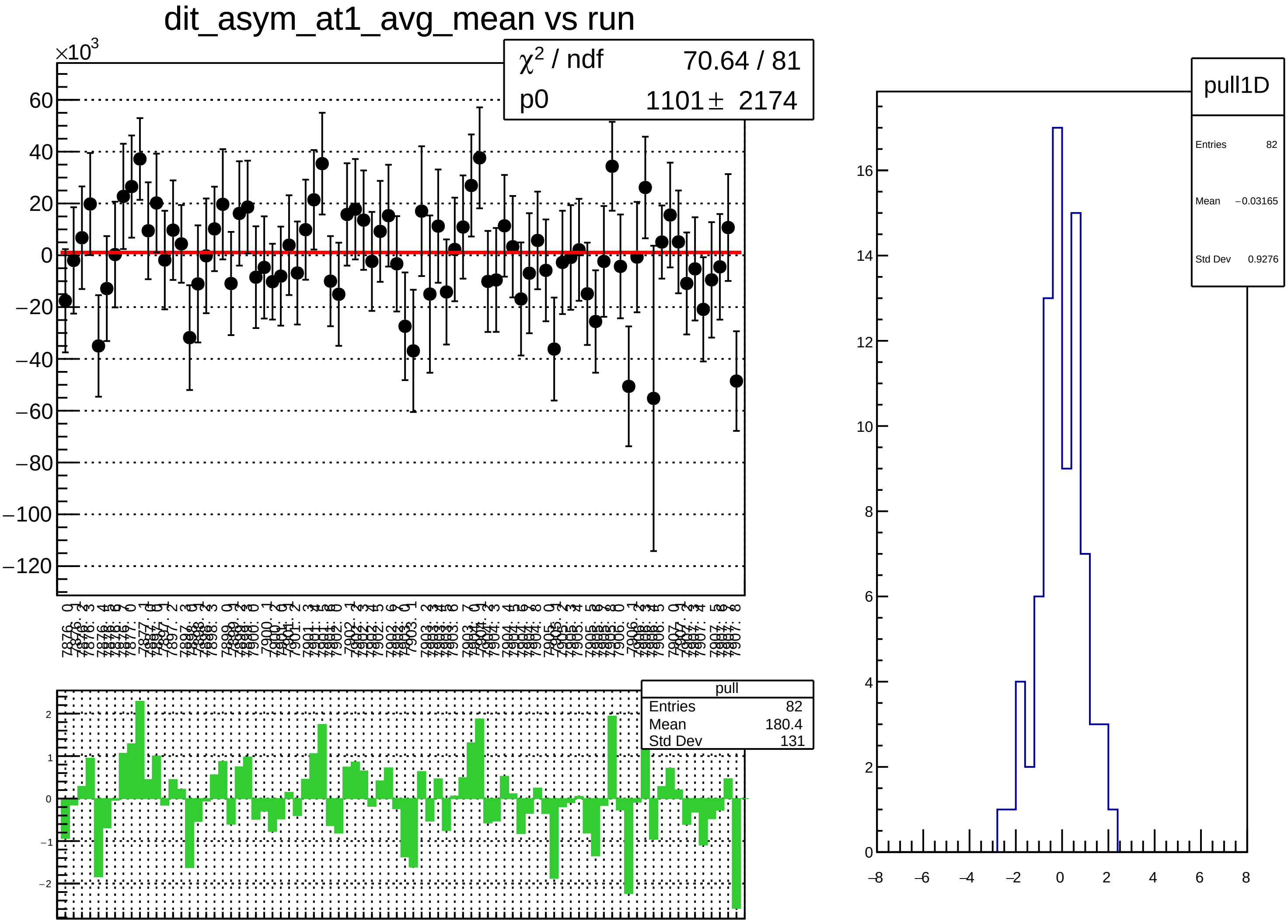

asym_usr_correction_mean vs run
×10^3
χ2 / ndf 67.02 / 81
p0 5578 ± 3970
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 88.37
Std Dev 69.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean 0.009733
Std Dev 0.904
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_correction_rms vs run
χ^2 / ndf 5.509e+04 / 81
p0 3480 ± 2.808
5500
5000
4500
4000
3500
3000
2500

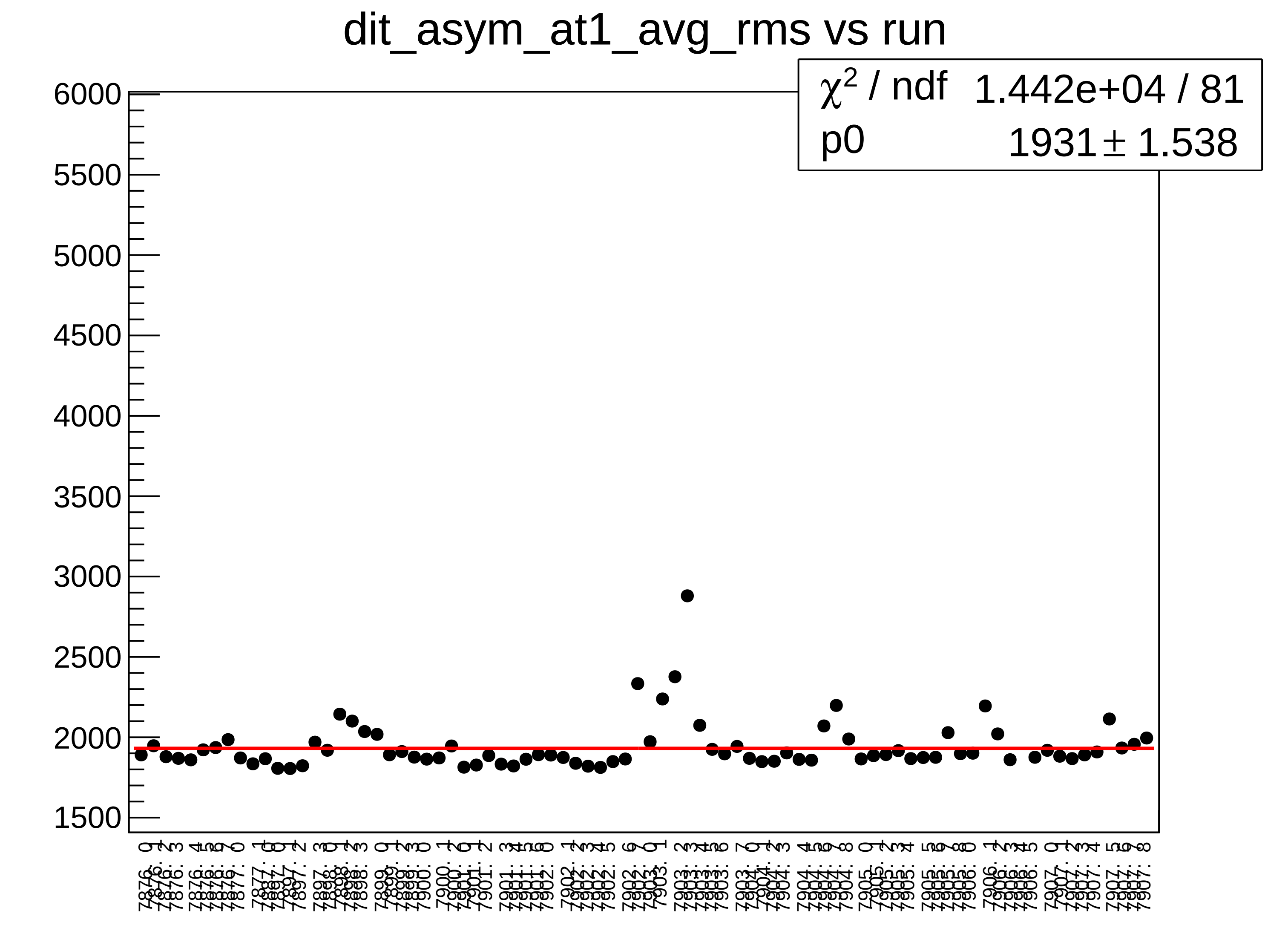


asym_usr_mean vs run
×10^3
χ2 / ndf 63.39 / 81
p0 −3649 ± 4239
pull
Entries 82
Mean 122.4
Std Dev 97.23
pull1D
Entries 82
Mean −0.01172
Std Dev 0.8791

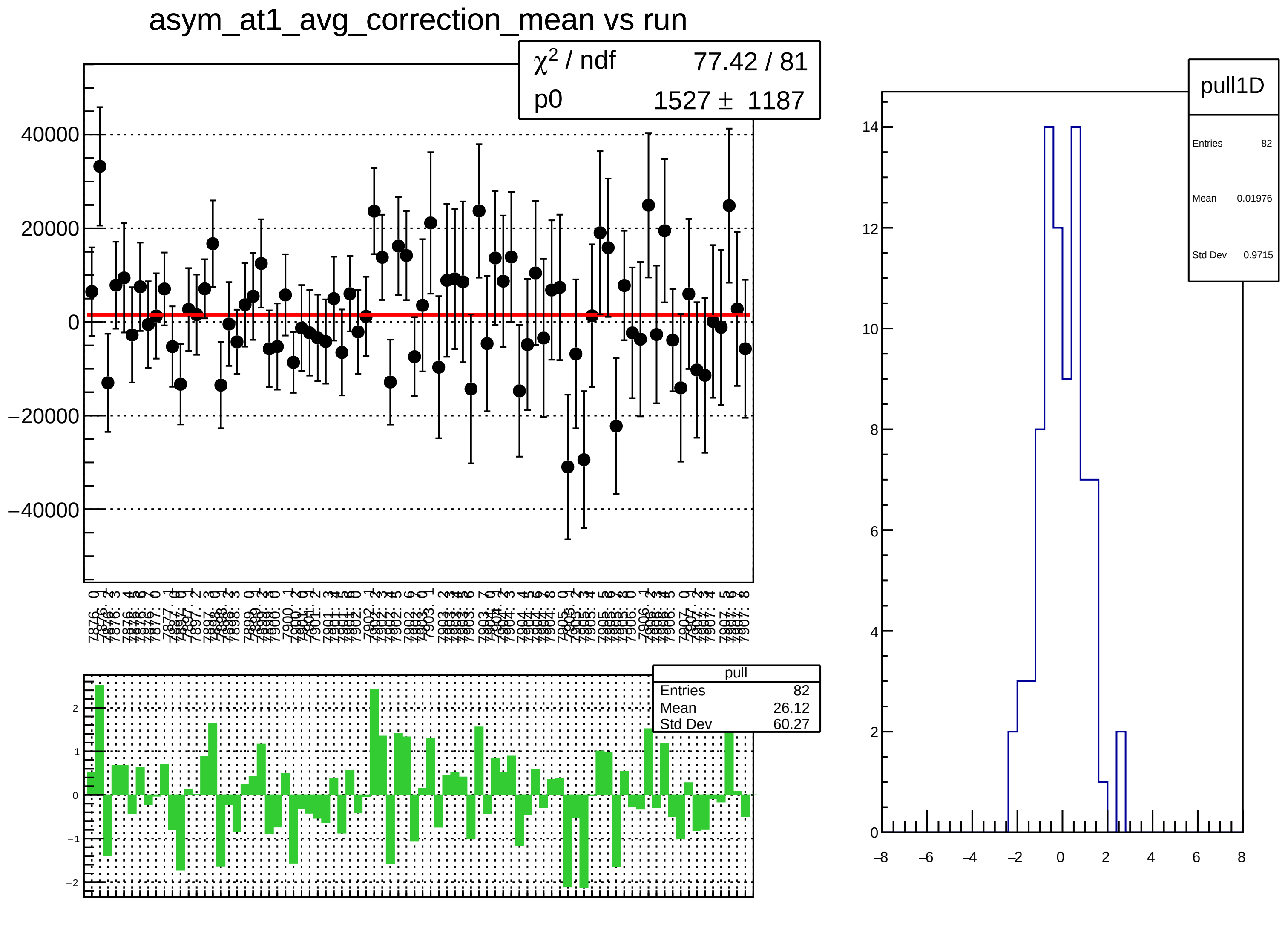

asym_usr_rms vs run
χ^2 / ndf 4.803e+04 / 81
p0 3724 ± 2.998
5500
5000
4500
4000
3500
3000



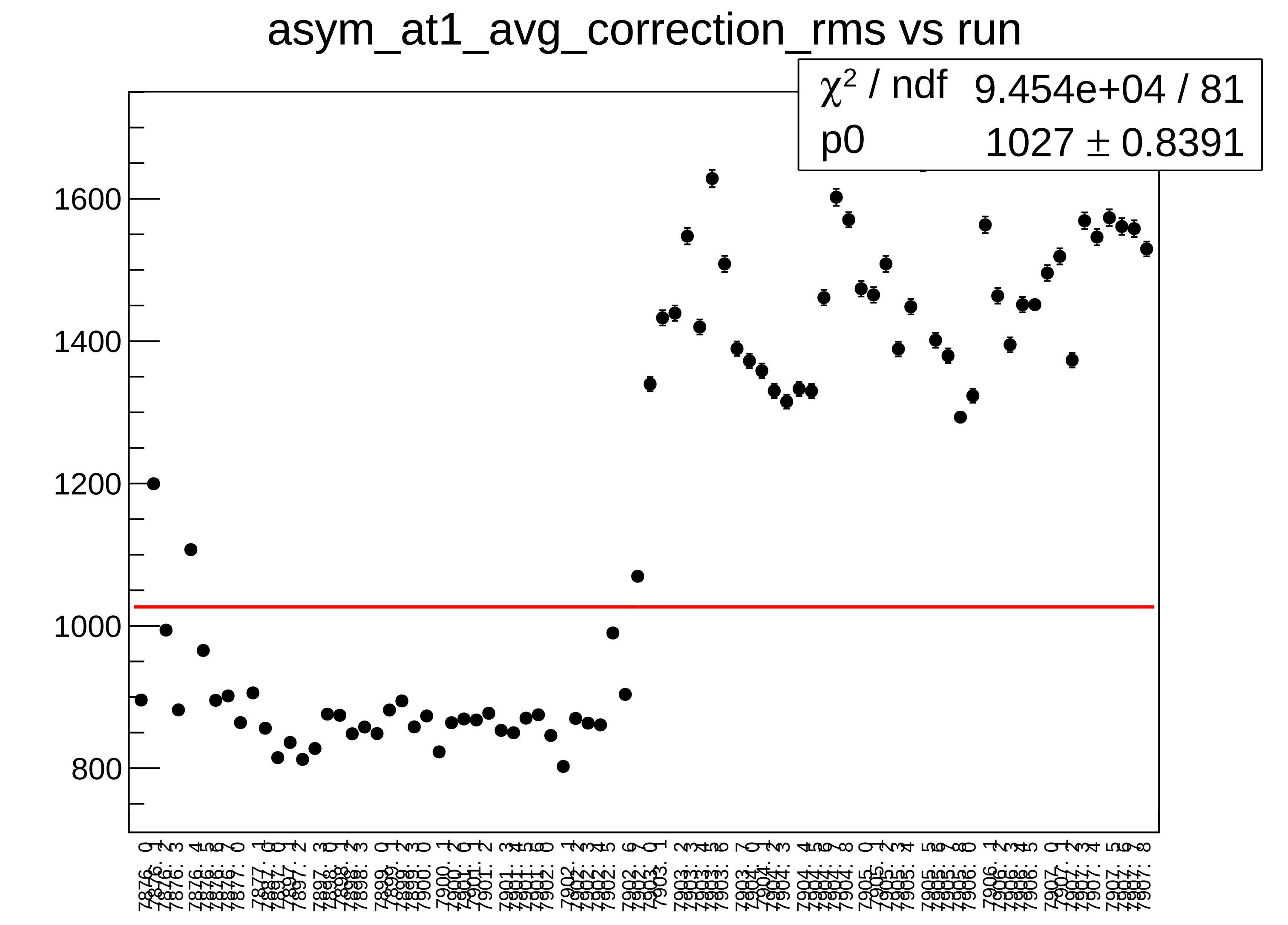
dit_asym_at1_avg_mean vs run
χ2 / ndf 70.64 / 81
p0 1101 ± 2174
×10^3
pull
Entries 82
Mean 180.4
Std Dev 131
pull1D
Entries 82
Mean −0.03165
Std Dev 0.9276

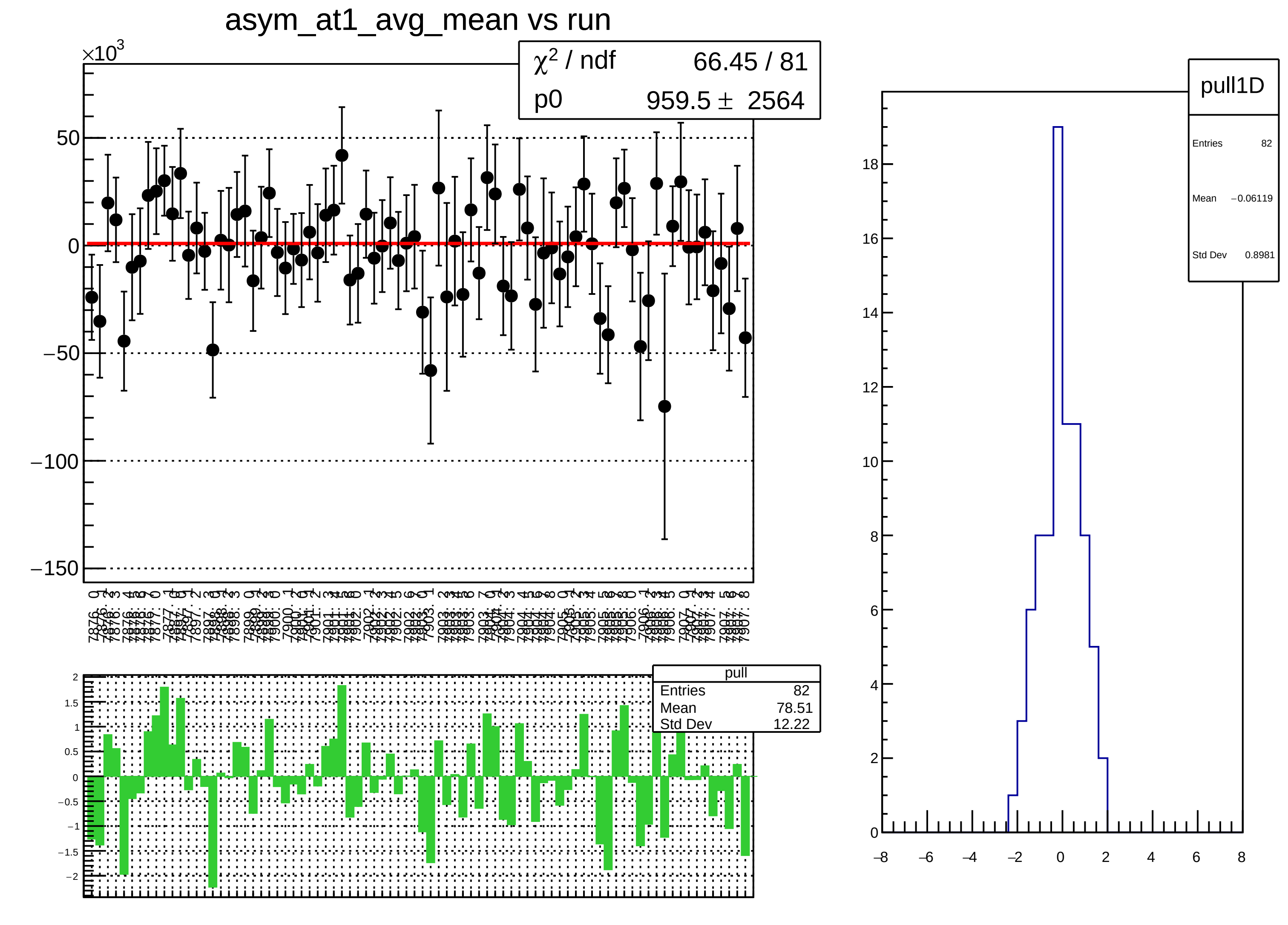


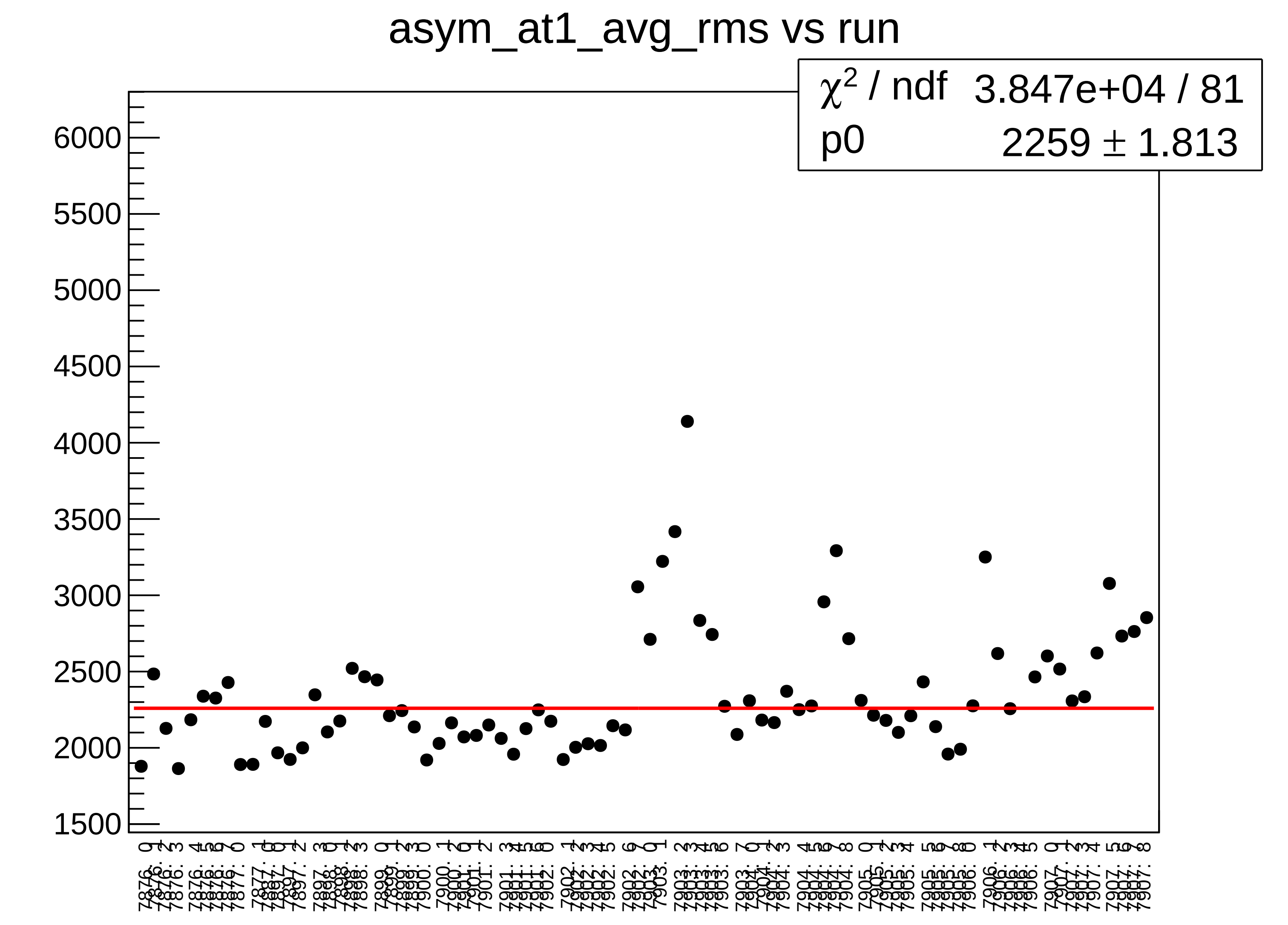
dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.442e+04 / 81
p0 1931 ± 1.538
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



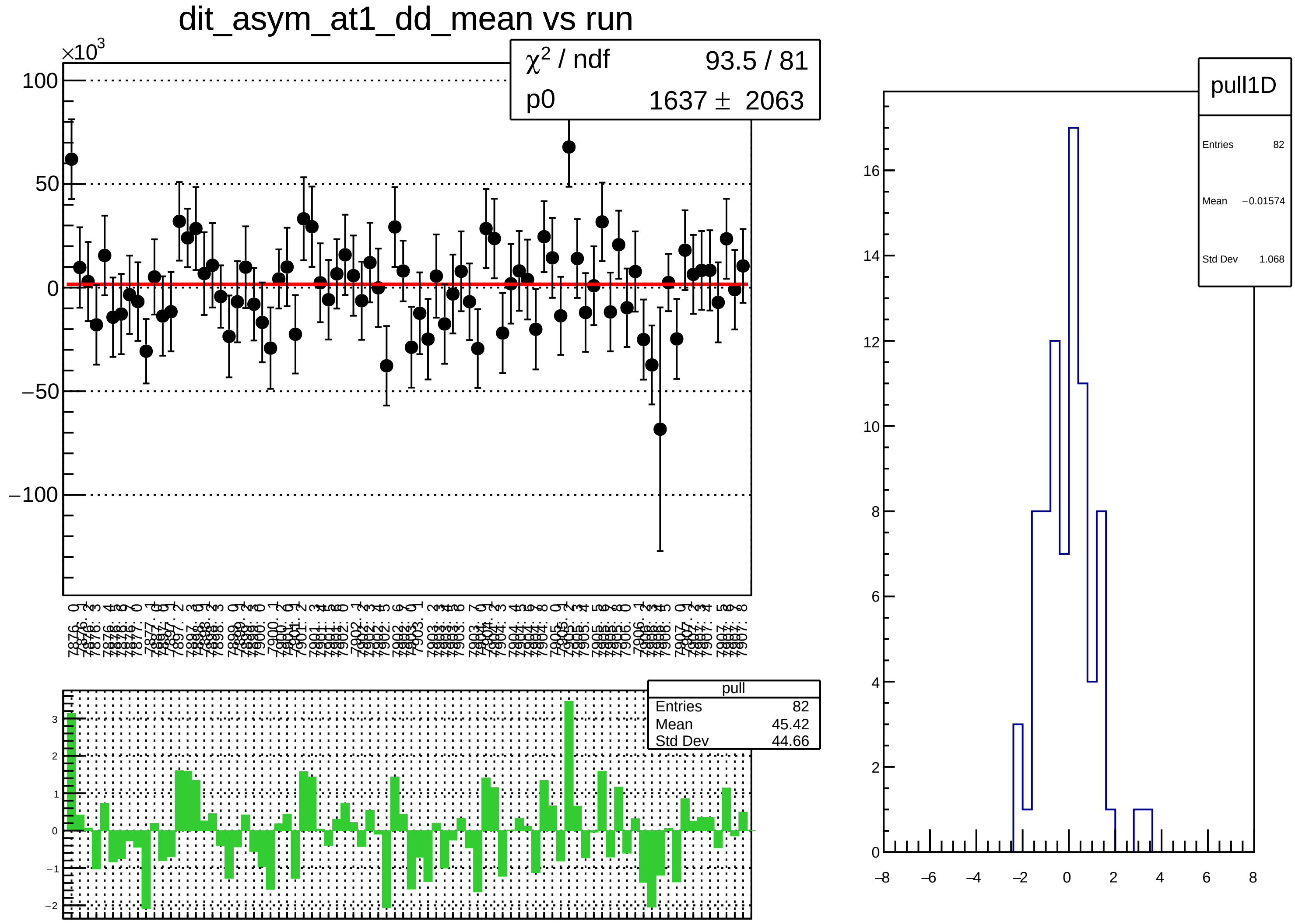
asym_at1_avg_correction_mean vs run
χ2 / ndf 77.42 / 81
p0 1527 ± 1187
pull
Entries 82
Mean −26.12
Std Dev 60.27
pull1D
Entries 82
Mean 0.01976
Std Dev 0.9715


asym_at1_avg_correction_rms vs run
χ^2 / ndf 9.454e+04 / 81
p0 1027 ± 0.8391
1600
1400
1200
1000
800

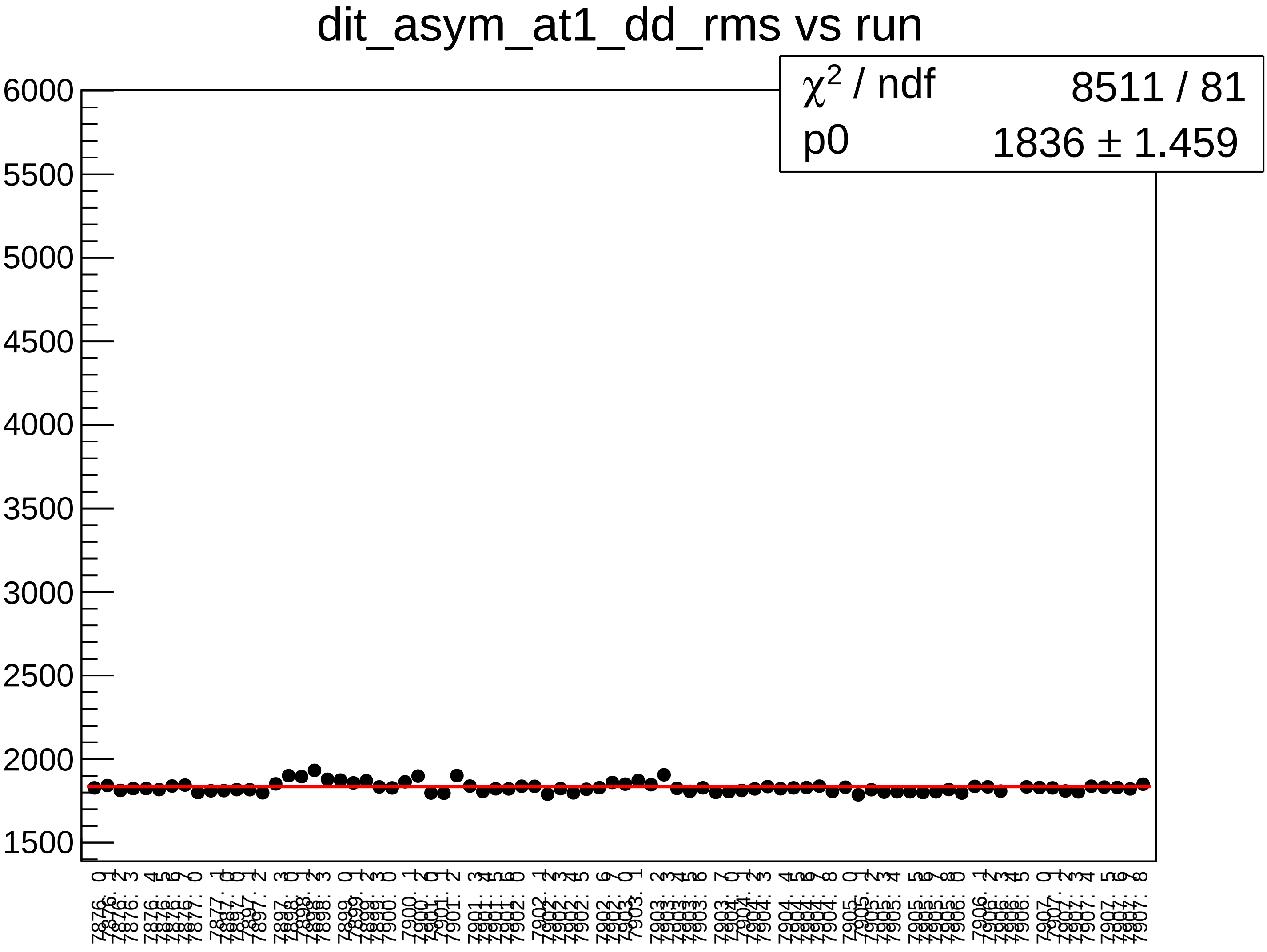

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 66.45 / 81
p0 959.5 ± 2564
50
0
−50
−100
−150
pull
Entries 82
Mean 78.51
Std Dev 12.22
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.06119
Std Dev 0.8981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



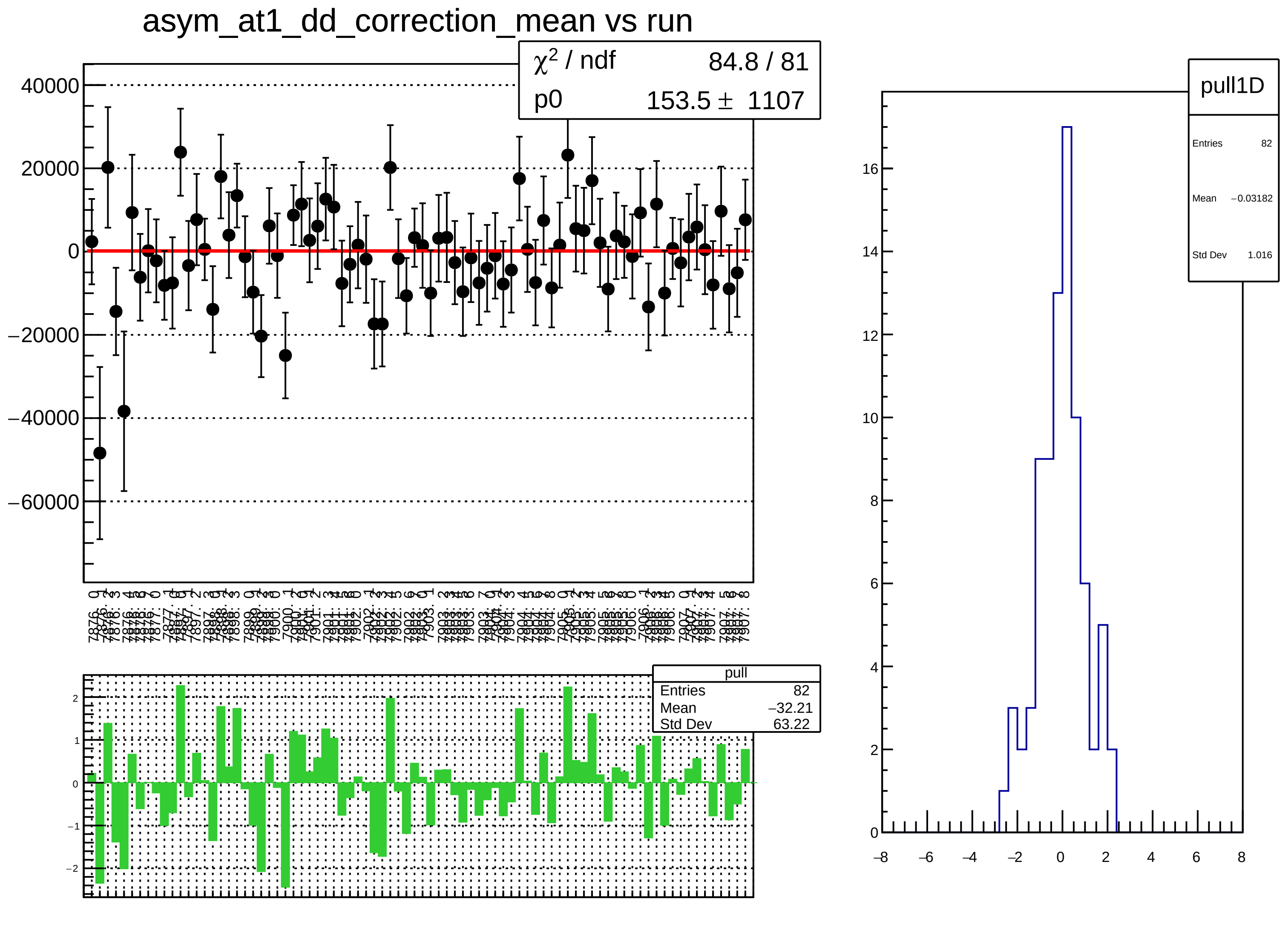
asym_at1_avg_rms vs run
χ^2 / ndf 3.847e+04 / 81
p0 2259 ± 1.813
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

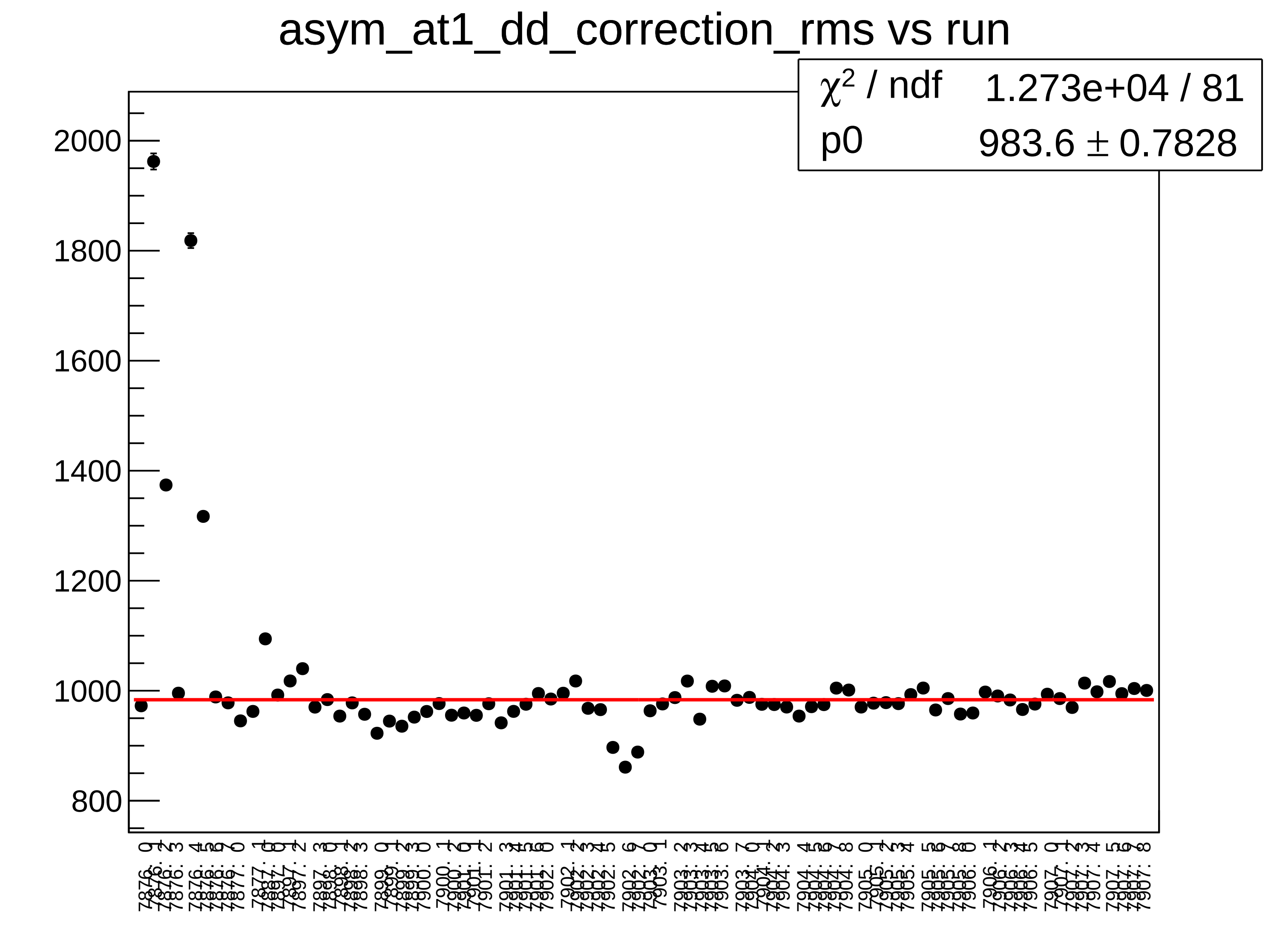


dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 93.5 / 81
p0 1637 ± 2063
pull
Entries 82
Mean 45.42
Std Dev 44.66
pull1D
Entries 82
Mean −0.01574
Std Dev 1.068

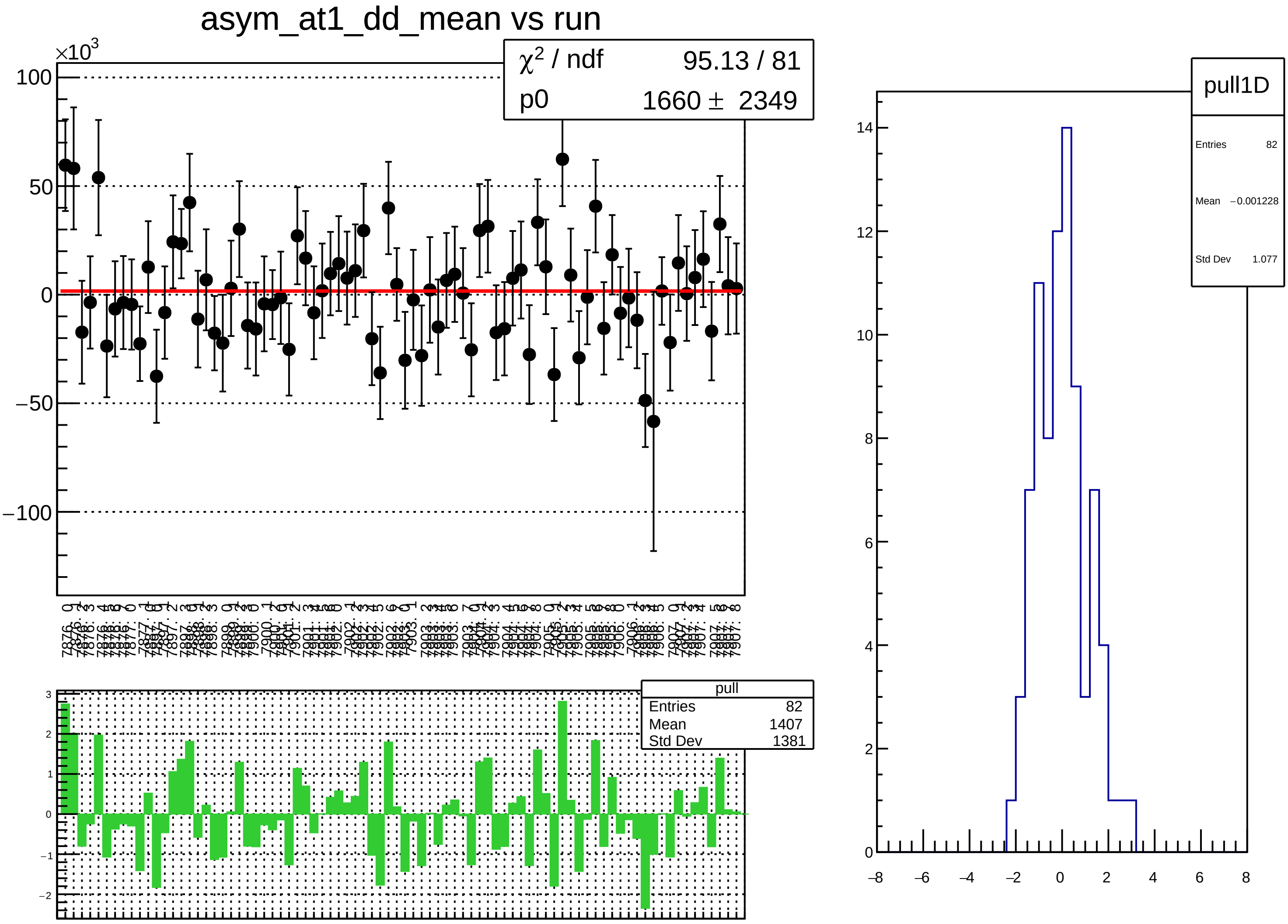


dit_asym_at1_dd_rms vs run
χ2 / ndf 8511 / 81
p0 1836 ± 1.459
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

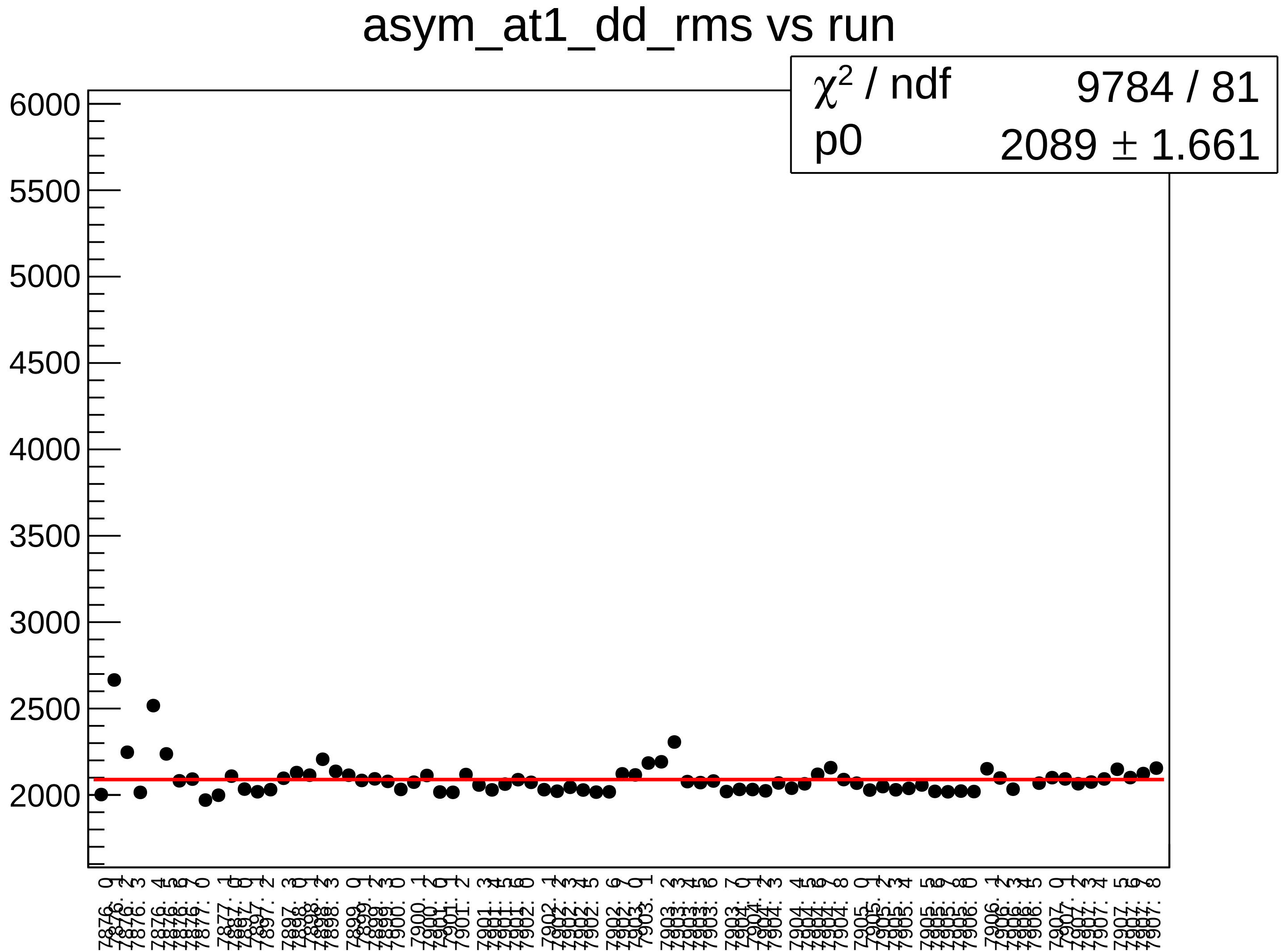

asym_at1_dd_correction_mean vs run
χ^2 / ndf 84.8 / 81
p0 153.5 ± 1107
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −32.21
Std Dev 63.22
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.03182
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

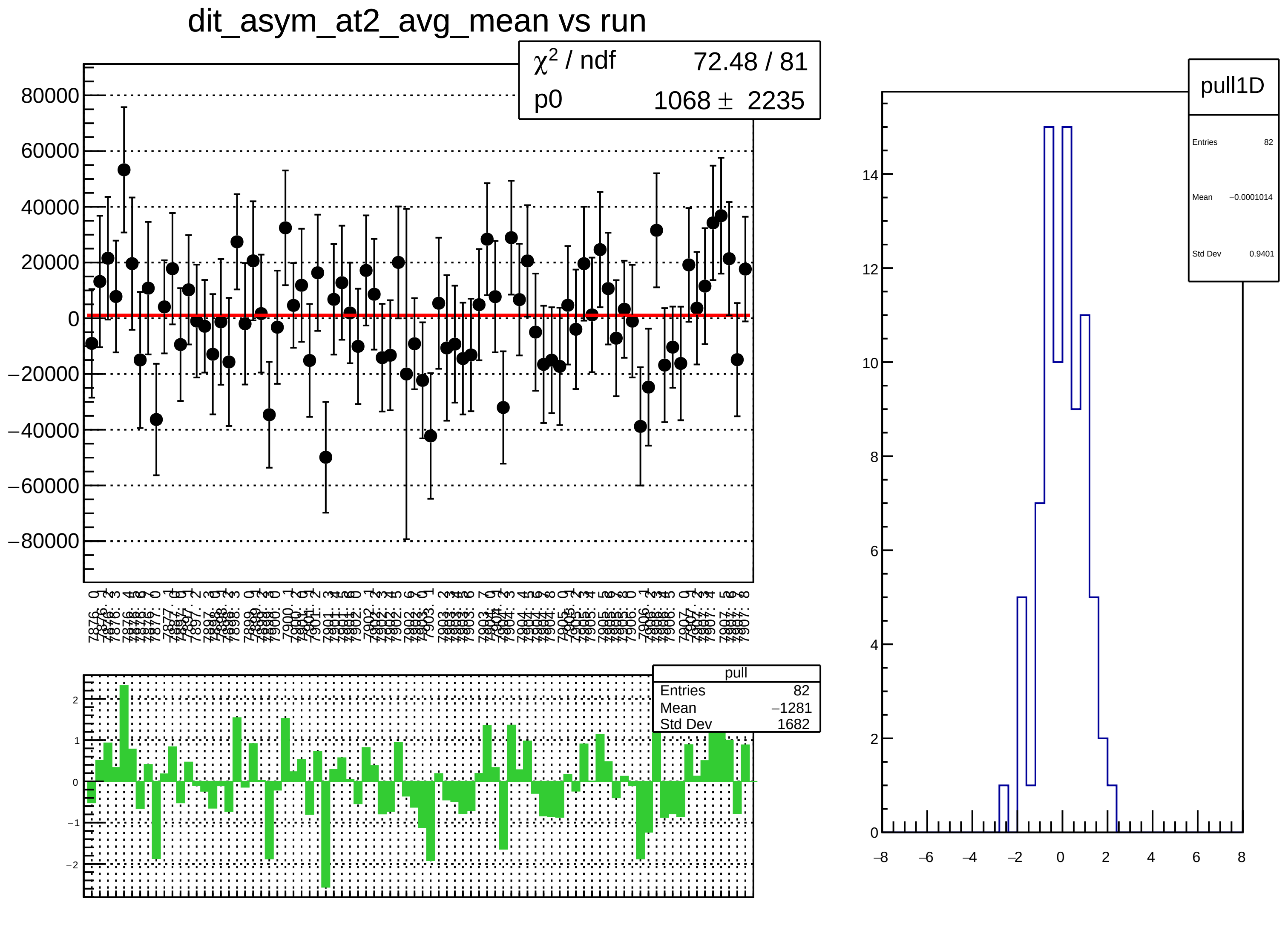


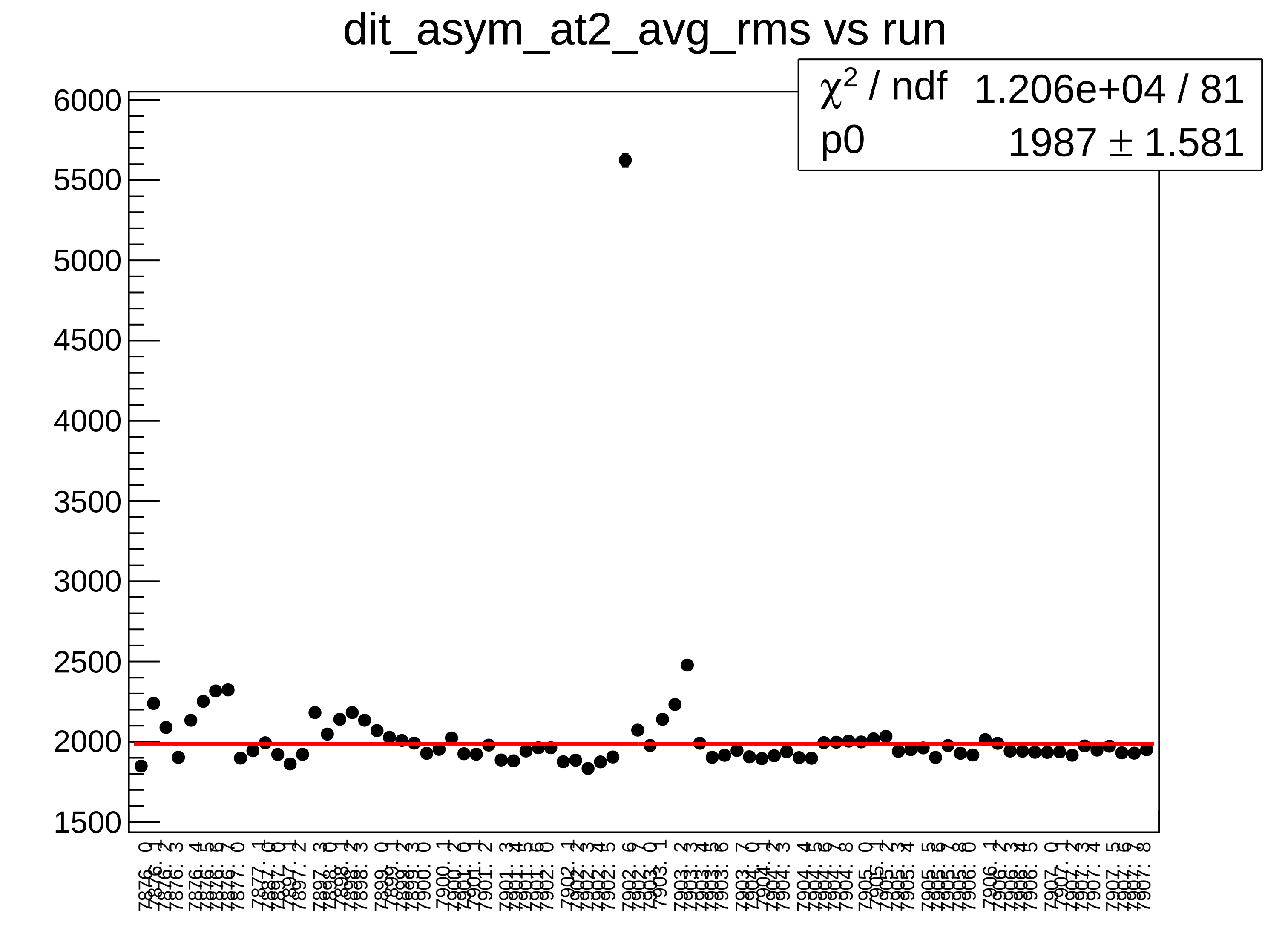
asym_at1_dd_correction_rms vs run
χ^2 / ndf 1.273e+04 / 81
p0 983.6 ± 0.7828
2000
1800
1600
1400
1200
1000
800



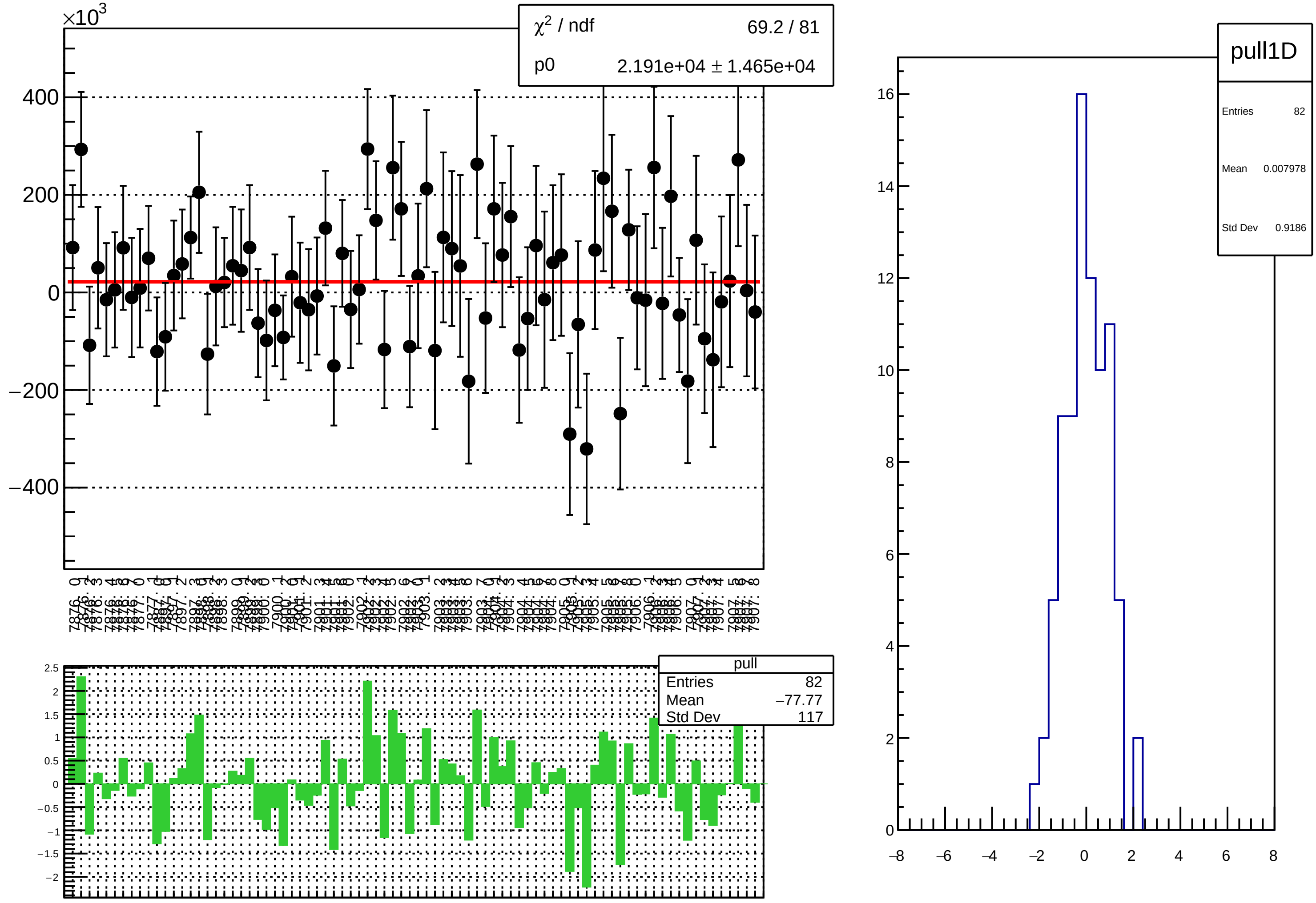
asym_at1_dd_mean vs run
$\times 10^3$
χ^2 / ndf 95.13 / 81
p0 1660 ± 2349
100
50
0
−50
−100
pull
Entries 82
Mean 1407
Std Dev 1381
pull1D
Entries 82
Mean −0.001228
Std Dev 1.077

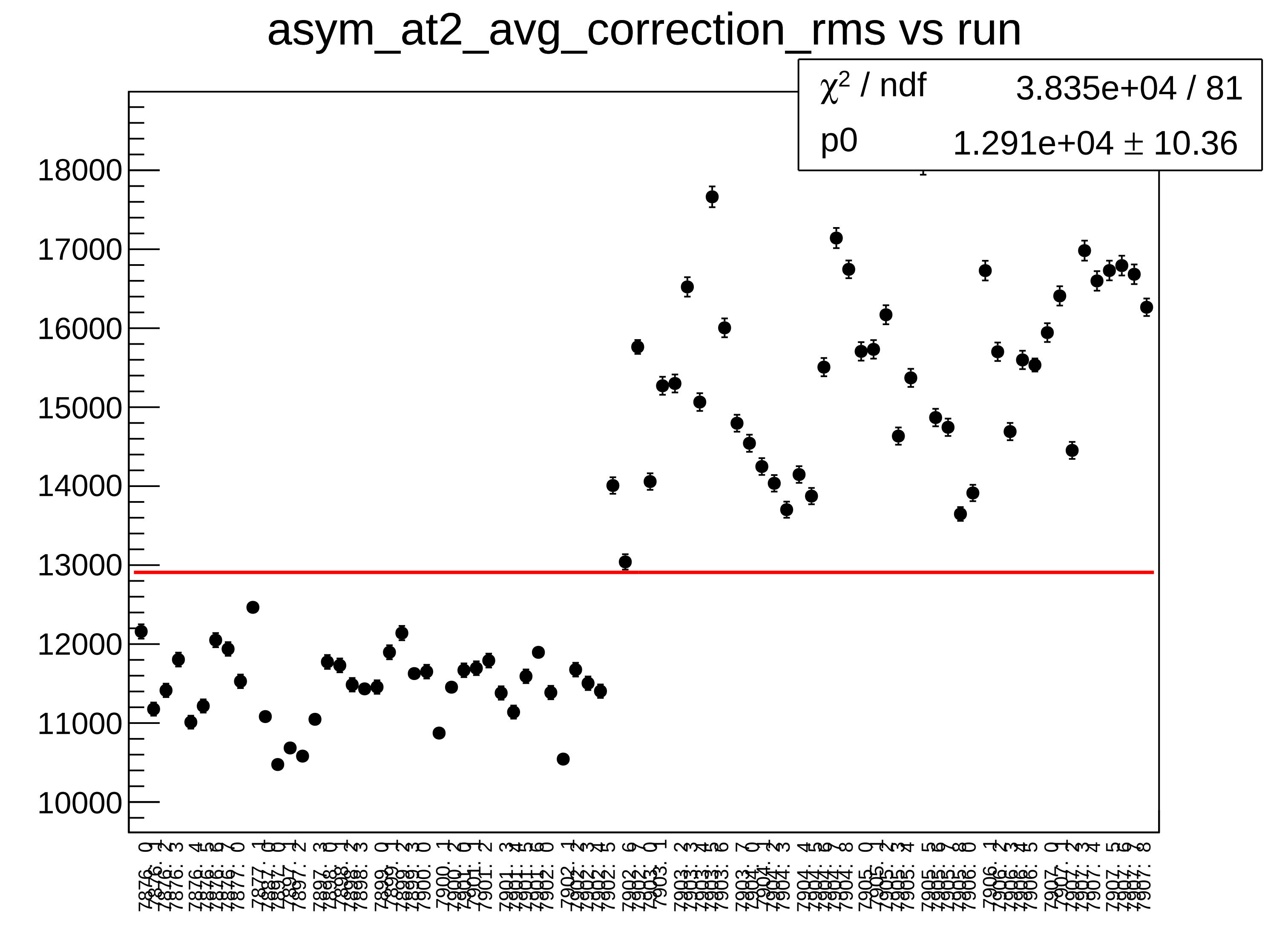

asym_at1_dd_rms vs run
χ2 / ndf 9784 / 81
p0 2089 ± 1.661
6000
5500
5000
4500
4000
3500
3000
2500
2000

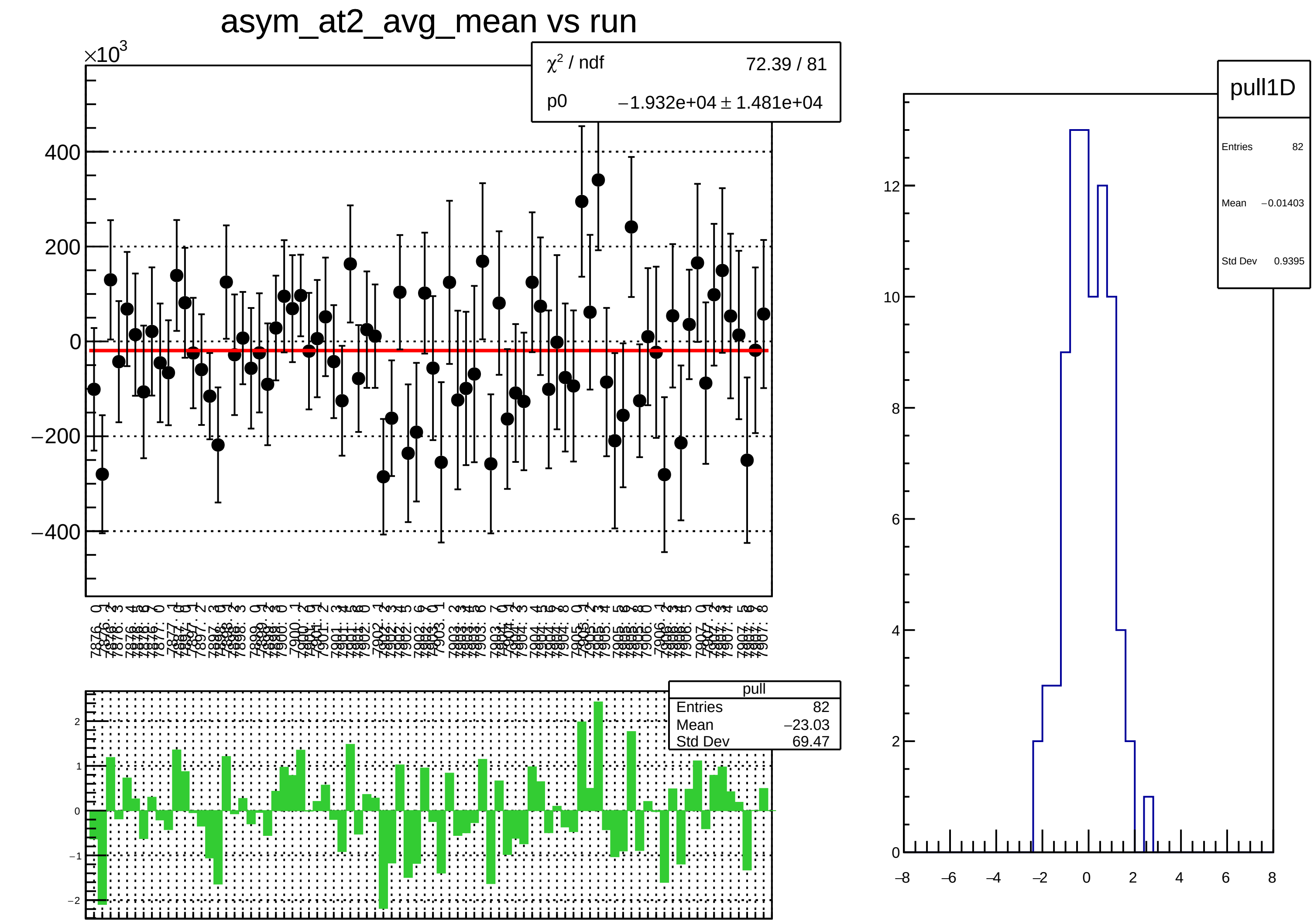

dit_asym_at2_avg_mean vs run
χ2 / ndf 72.48 / 81
p0 1068 ± 2235
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −1281
Std Dev 1682
pull1D
Entries 82
Mean −0.0001014
Std Dev 0.9401


dit_asym_at2_avg_rms vs run
χ^2 / ndf 1.206e+04 / 81
p0 1987 ± 1.581
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

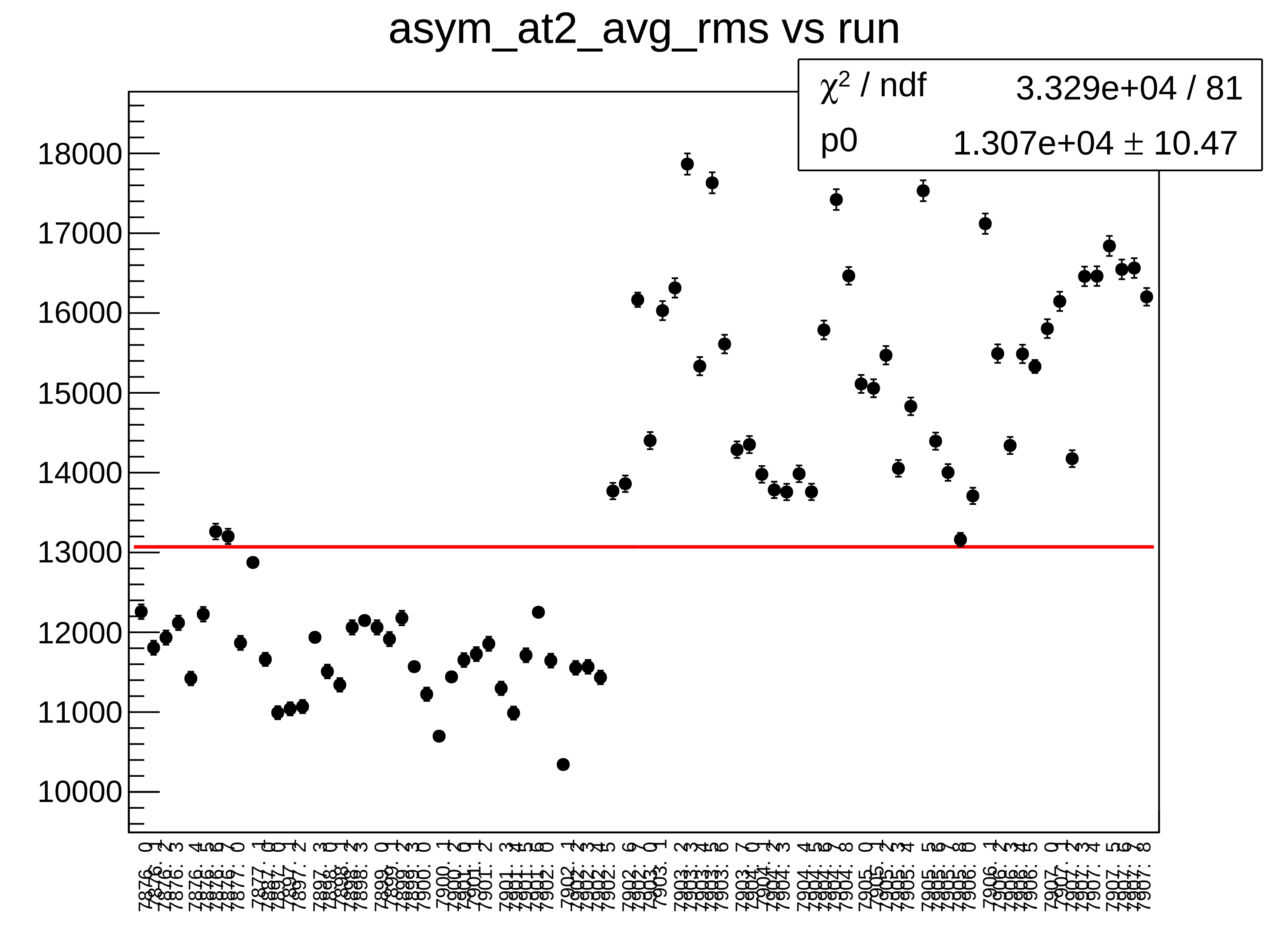
asym_at2_avg_correction_mean vs run

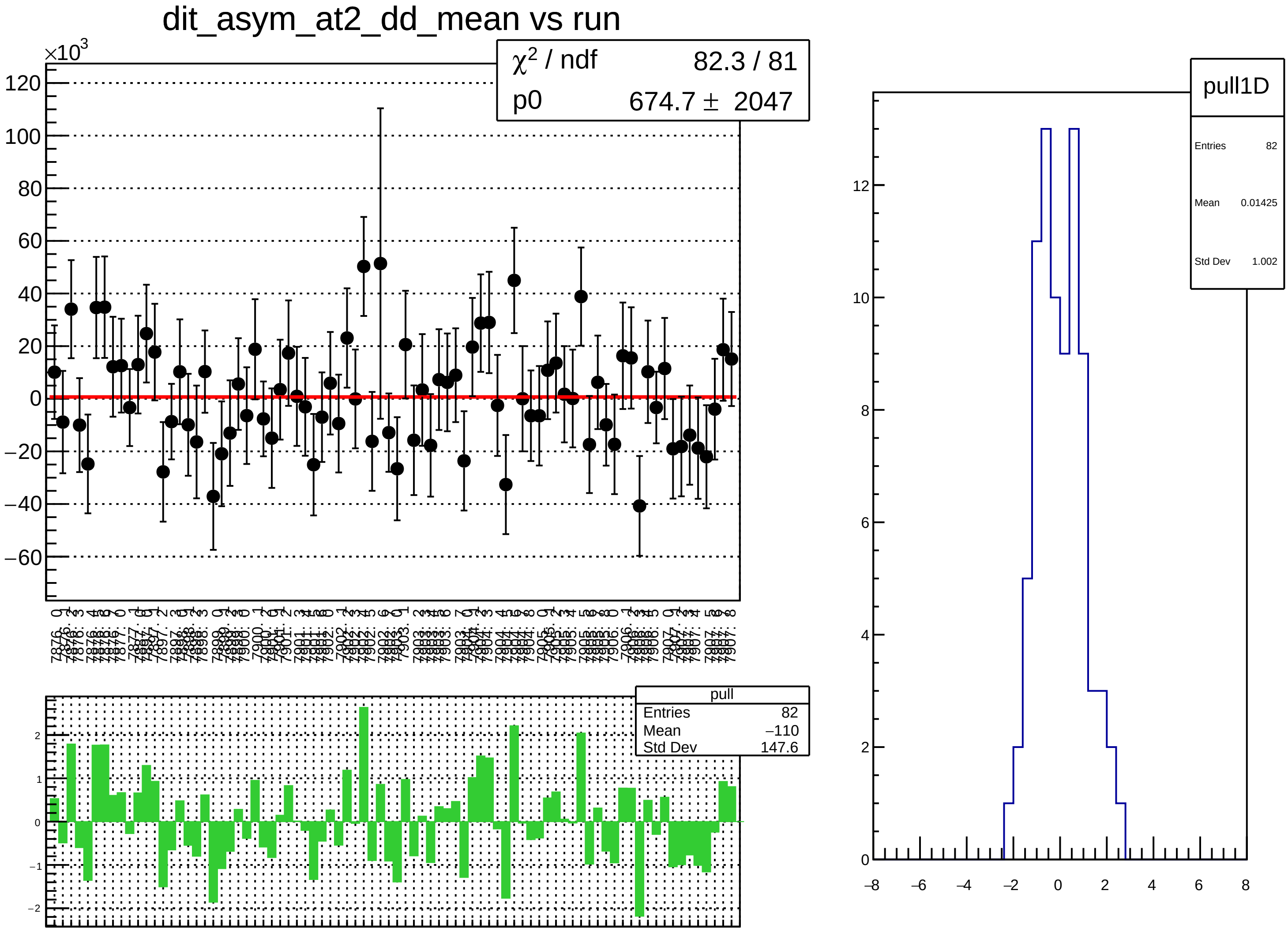


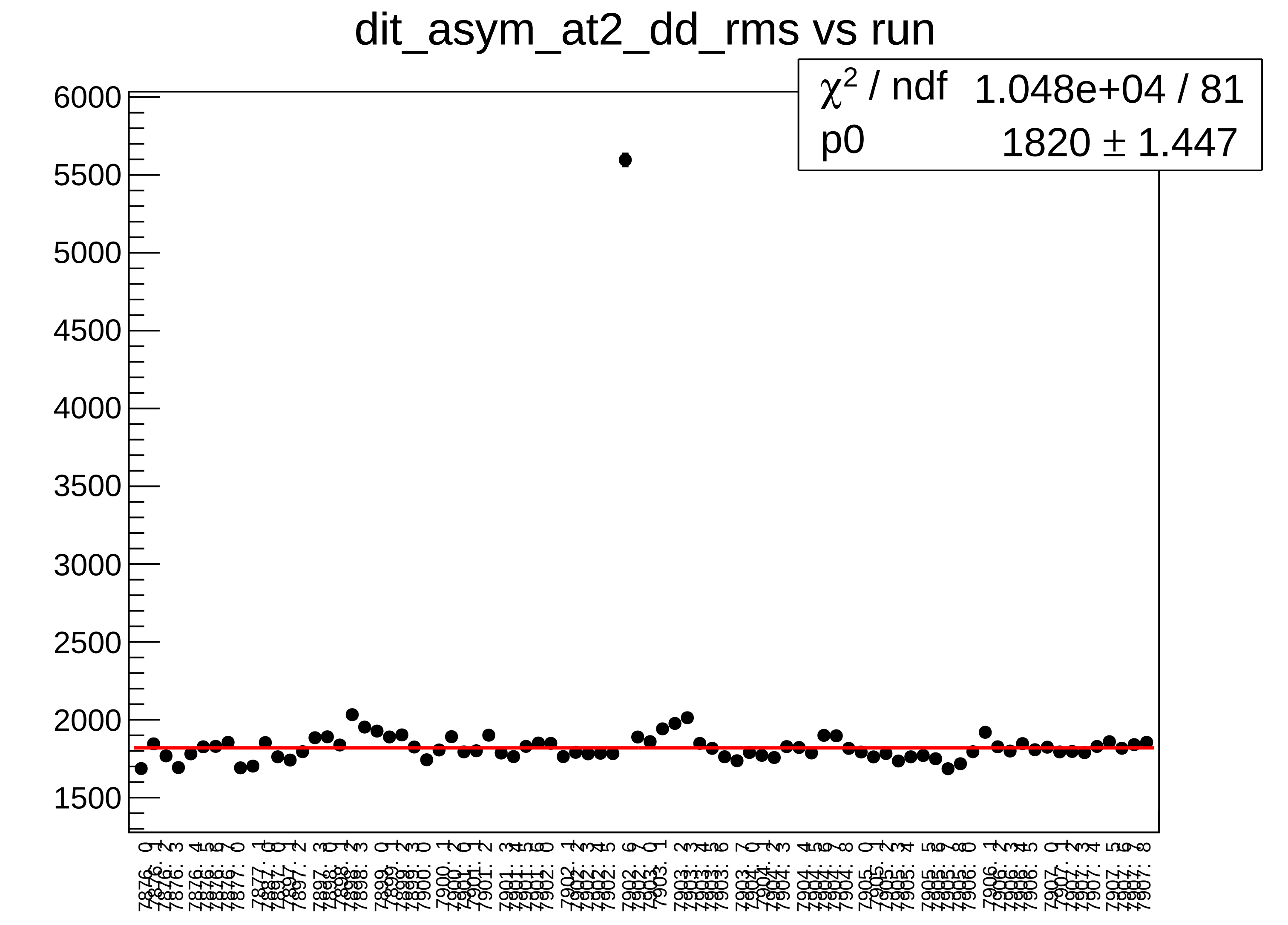

asym_at2_avg_correction_rms vs run
χ^2 / ndf 3.835e+04 / 81
p0 1.291e+04 ± 10.36
18000
17000
16000
15000
14000
13000
12000
11000
10000



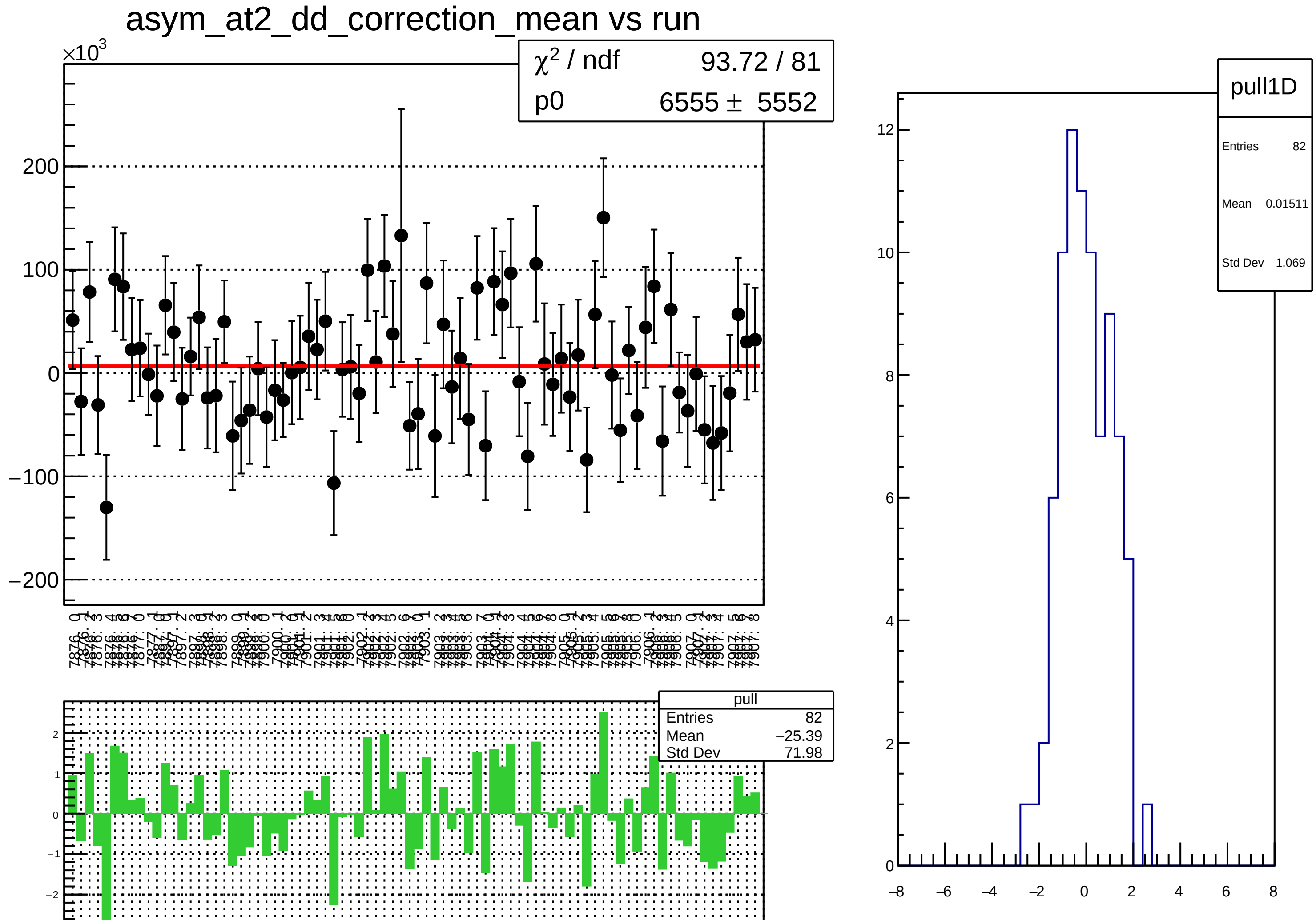
asym_at2_avg_mean vs run
×10^3
χ2 / ndf 72.39 / 81
p0 −1.932e+04 ± 1.481e+04
400
200
0
−200
−400
pull
Entries 82
Mean −23.03
Std Dev 69.47
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01403
Std Dev 0.9395
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_rms vs run
χ^2 / ndf 3.329e+04 / 81
p0 1.307e+04 ± 10.47
18000
17000
16000
15000
14000
13000
12000
11000
10000

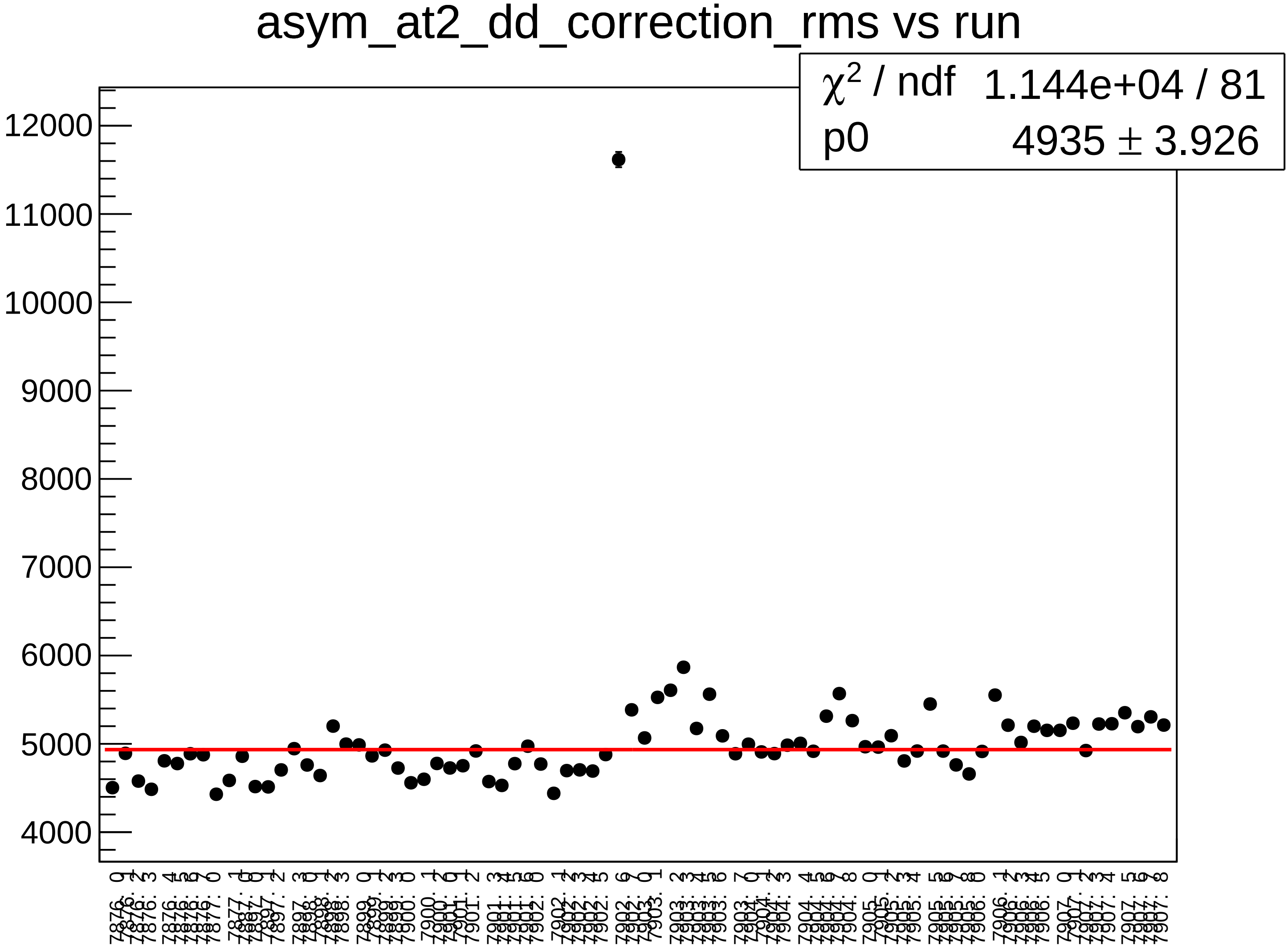

dit_asym_at2_dd_mean vs run
χ^2 / ndf 82.3 / 81
p0 674.7 ± 2047
pull
Entries 82
Mean −110
Std Dev 147.6
pull1D
Entries 82
Mean 0.01425
Std Dev 1.002



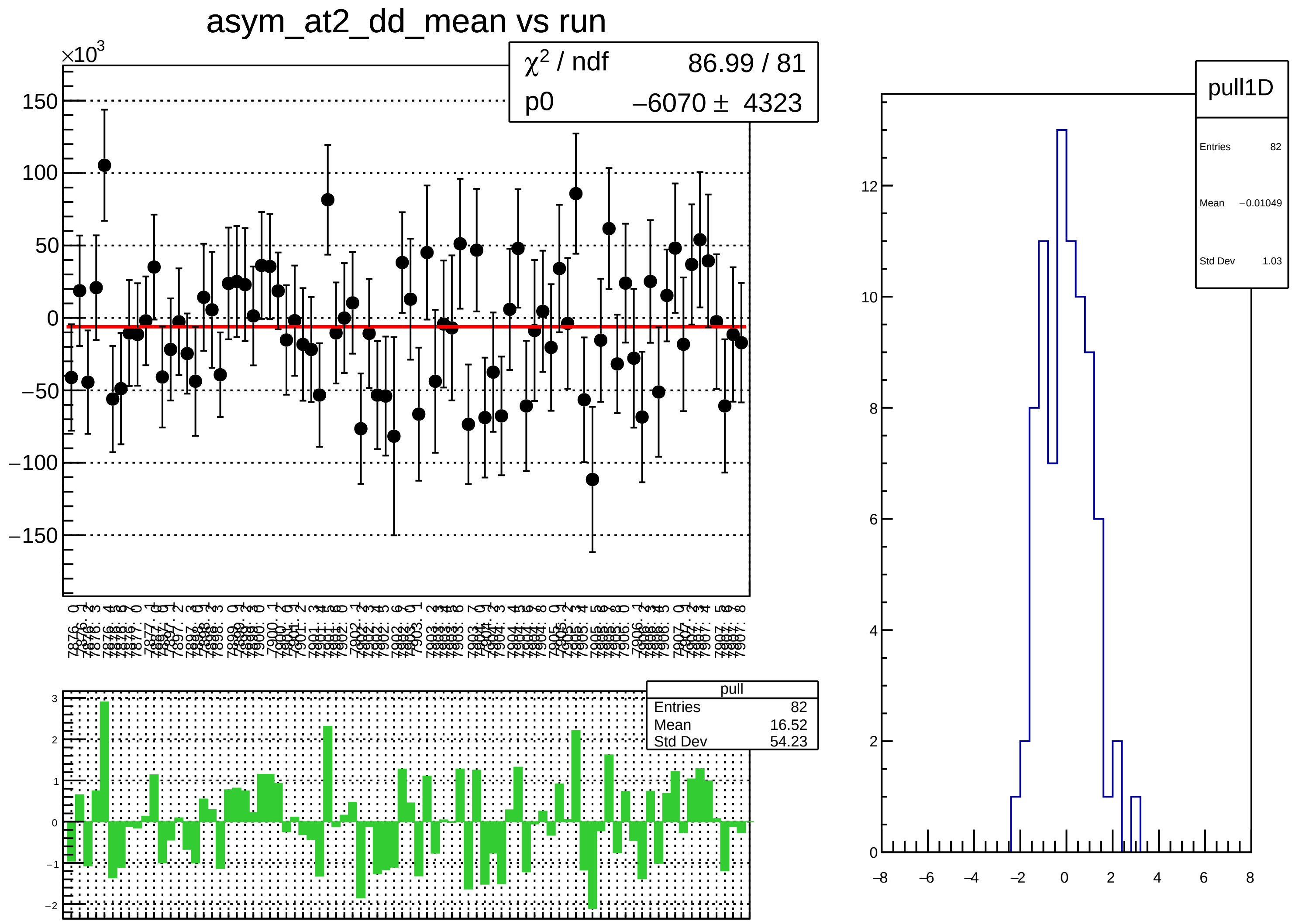
dit_asym_at2_dd_rms vs run
χ^2 / ndf 1.048e+04 / 81
p0 1820 ± 1.447
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



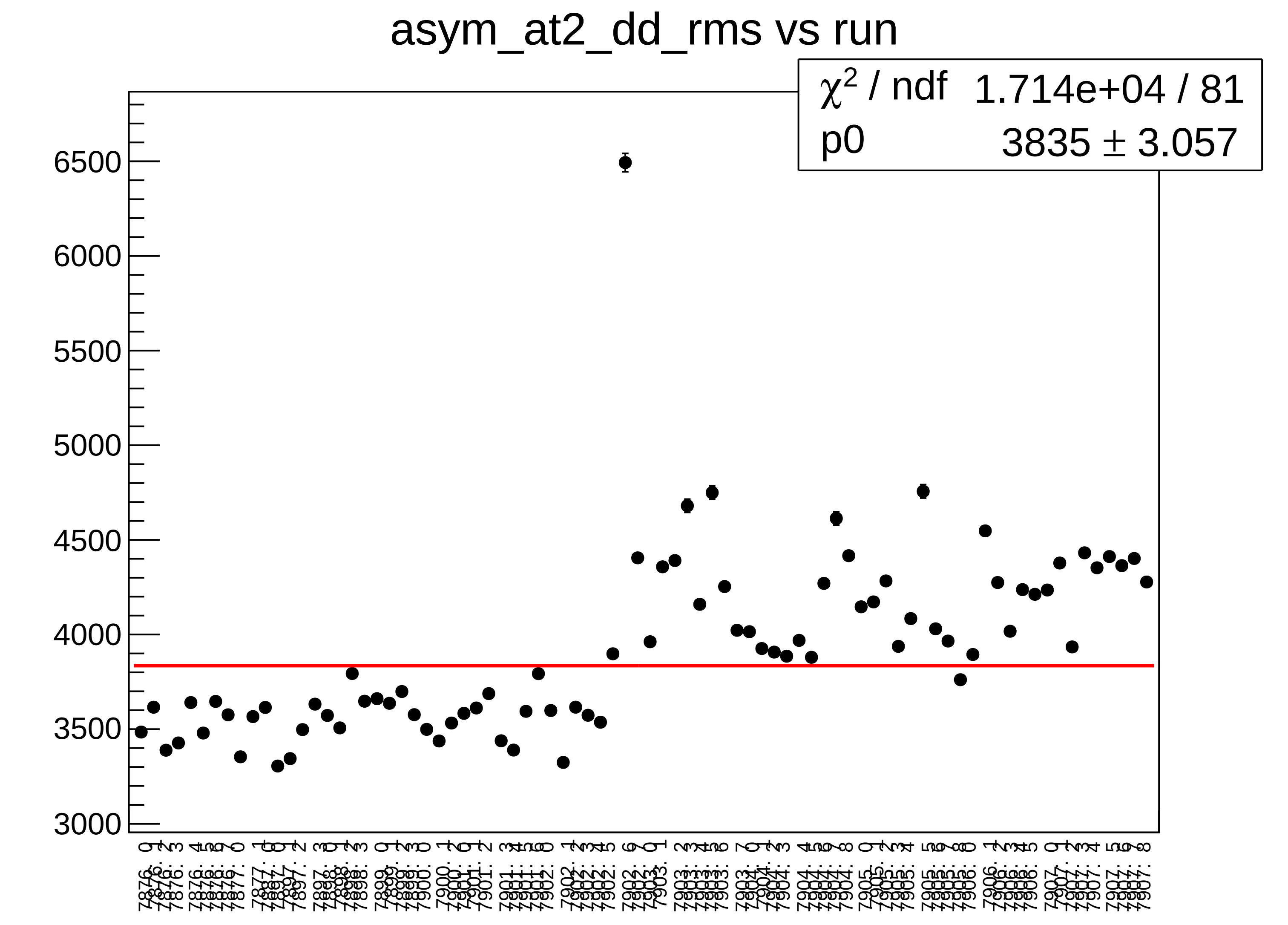
asym_at2_dd_correction_mean vs run
×10^3
χ2 / ndf 93.72 / 81
p0 6555 ± 5552
200
100
0
−100
−200
pull
Entries 82
Mean −25.39
Std Dev 71.98
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01511
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



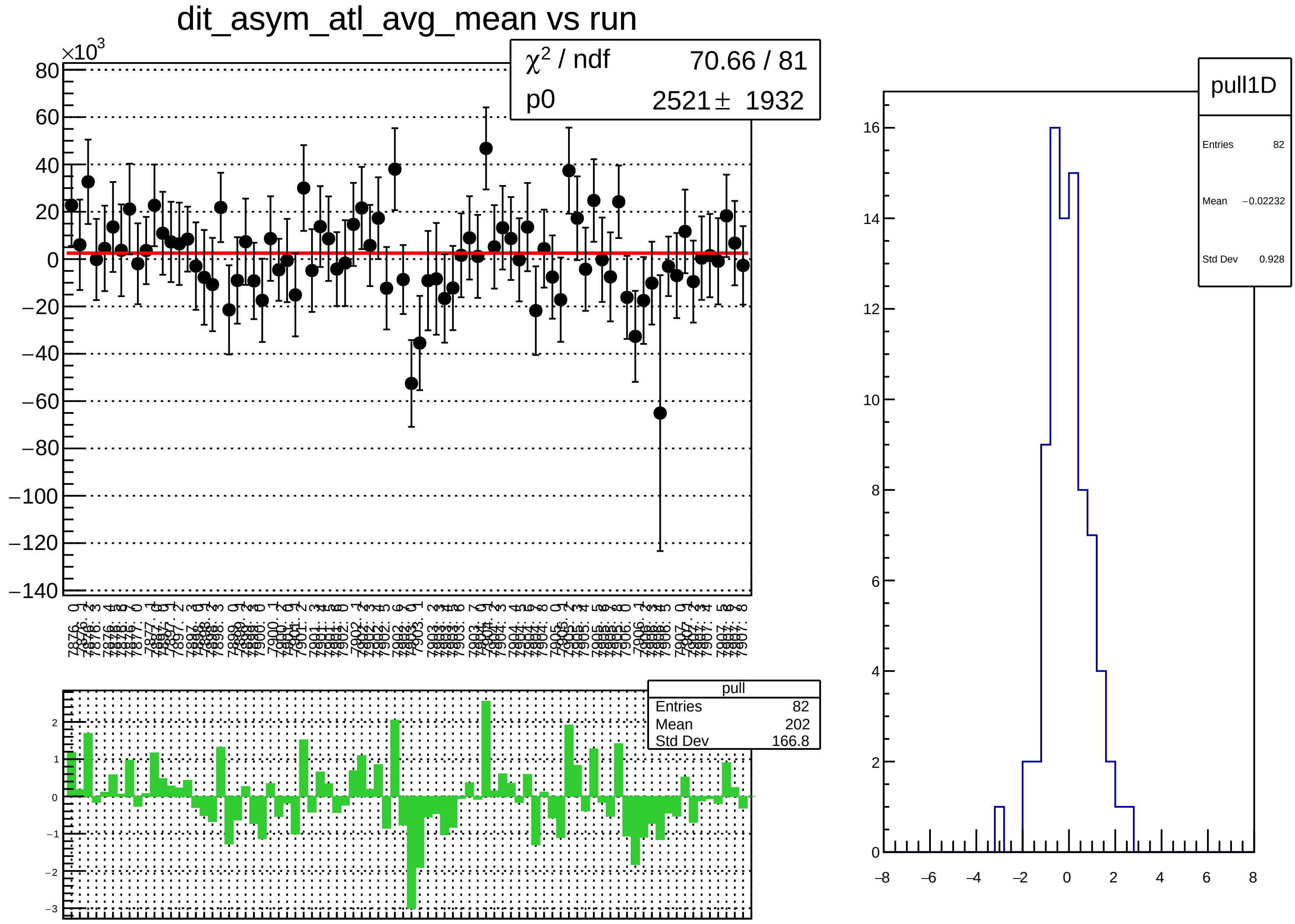
asym_at2_dd_correction_rms vs run
χ2 / ndf 1.144e+04 / 81
p0 4935 ± 3.926
12000
11000
10000
9000
8000
7000
6000
5000
4000



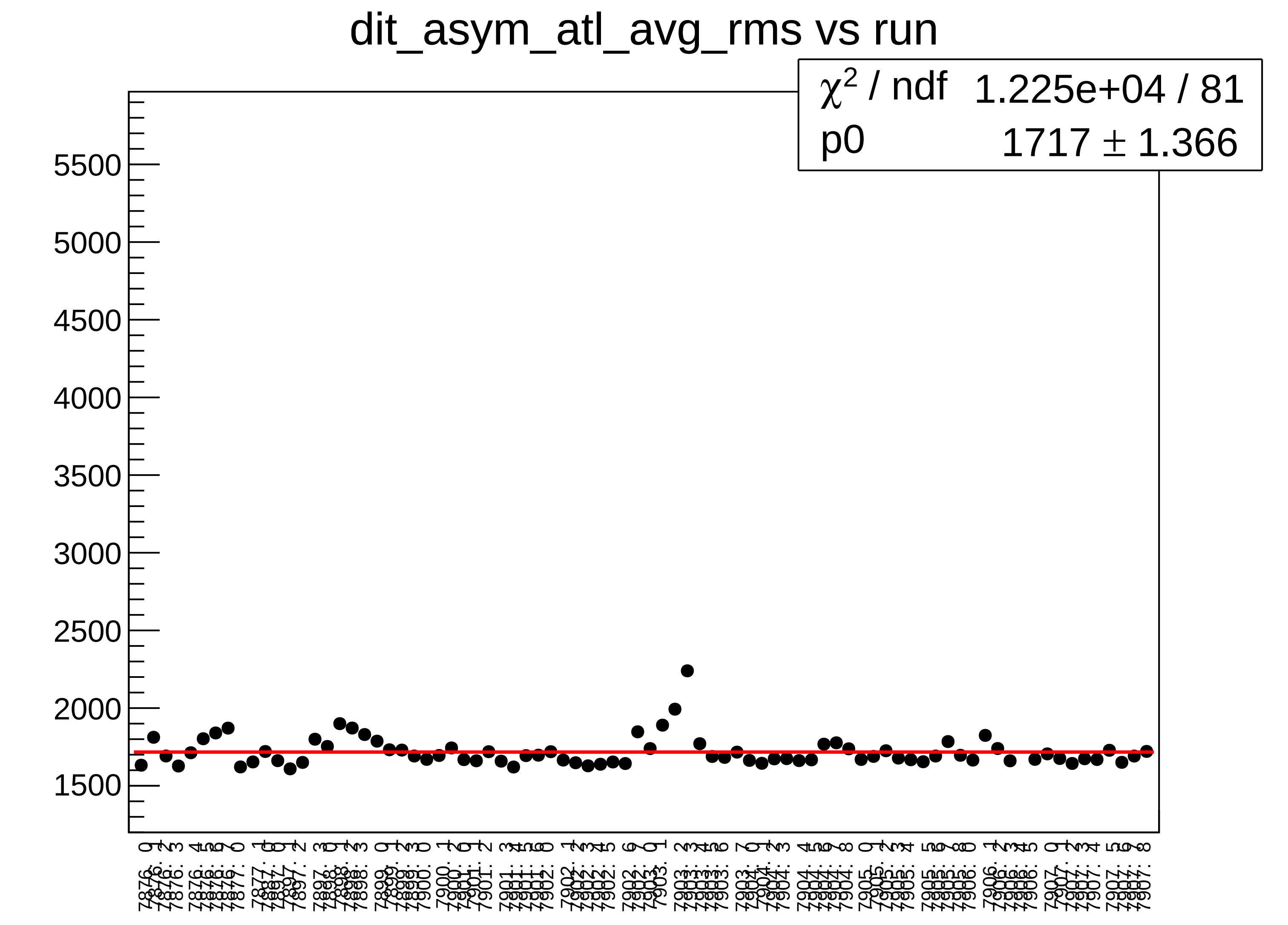
asym_at2_dd_mean vs run
×10^3
χ2 / ndf 86.99 / 81
p0 −6070 ± 4323
pull
Entries 82
Mean 16.52
Std Dev 54.23
pull1D
Entries 82
Mean −0.01049
Std Dev 1.03



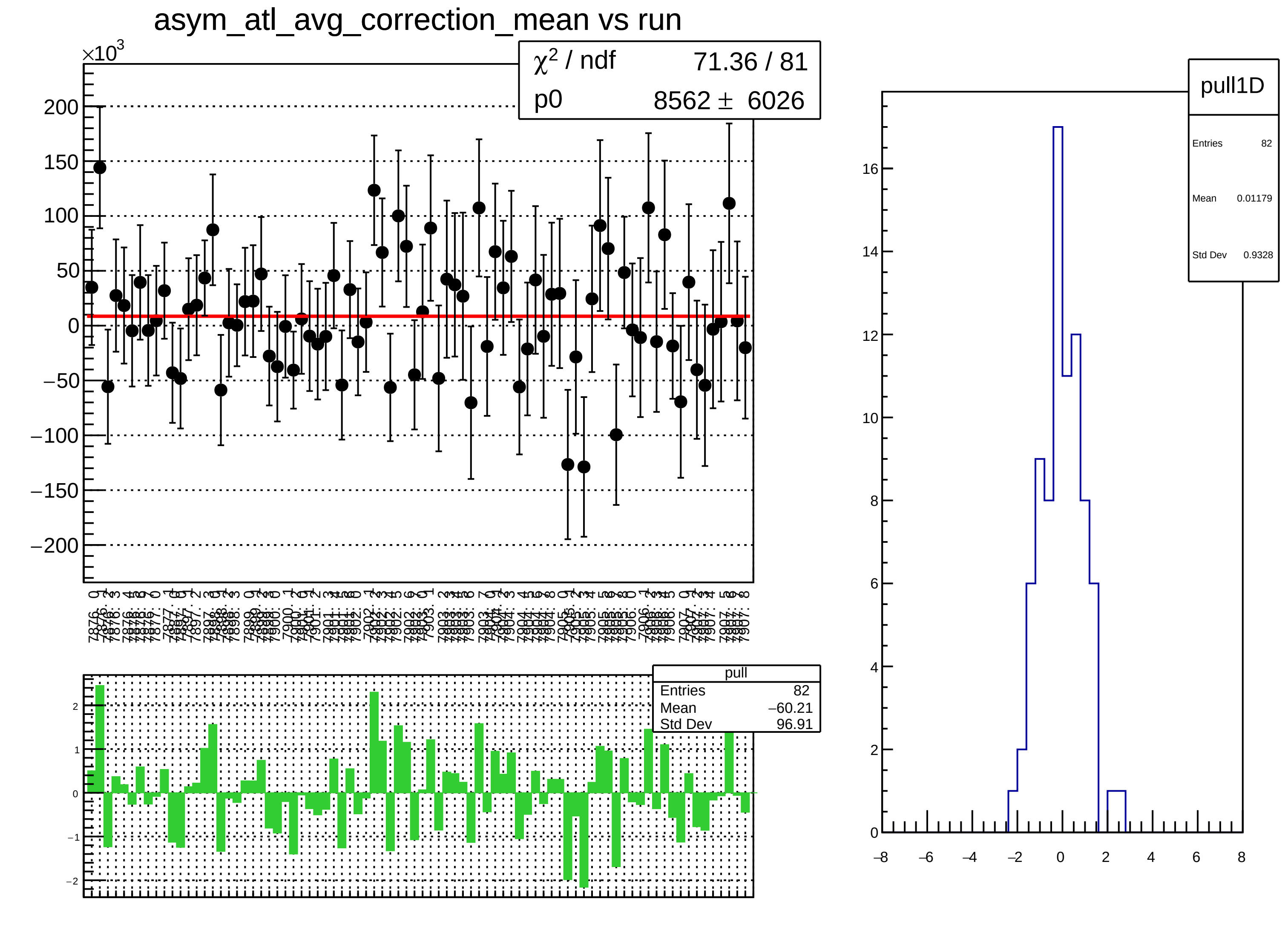
asym_at2_dd_rms vs run
χ^2 / ndf 1.714e+04 / 81
p0 3835 ± 3.057
6500
6000
5500
5000
4500
4000
3500
3000



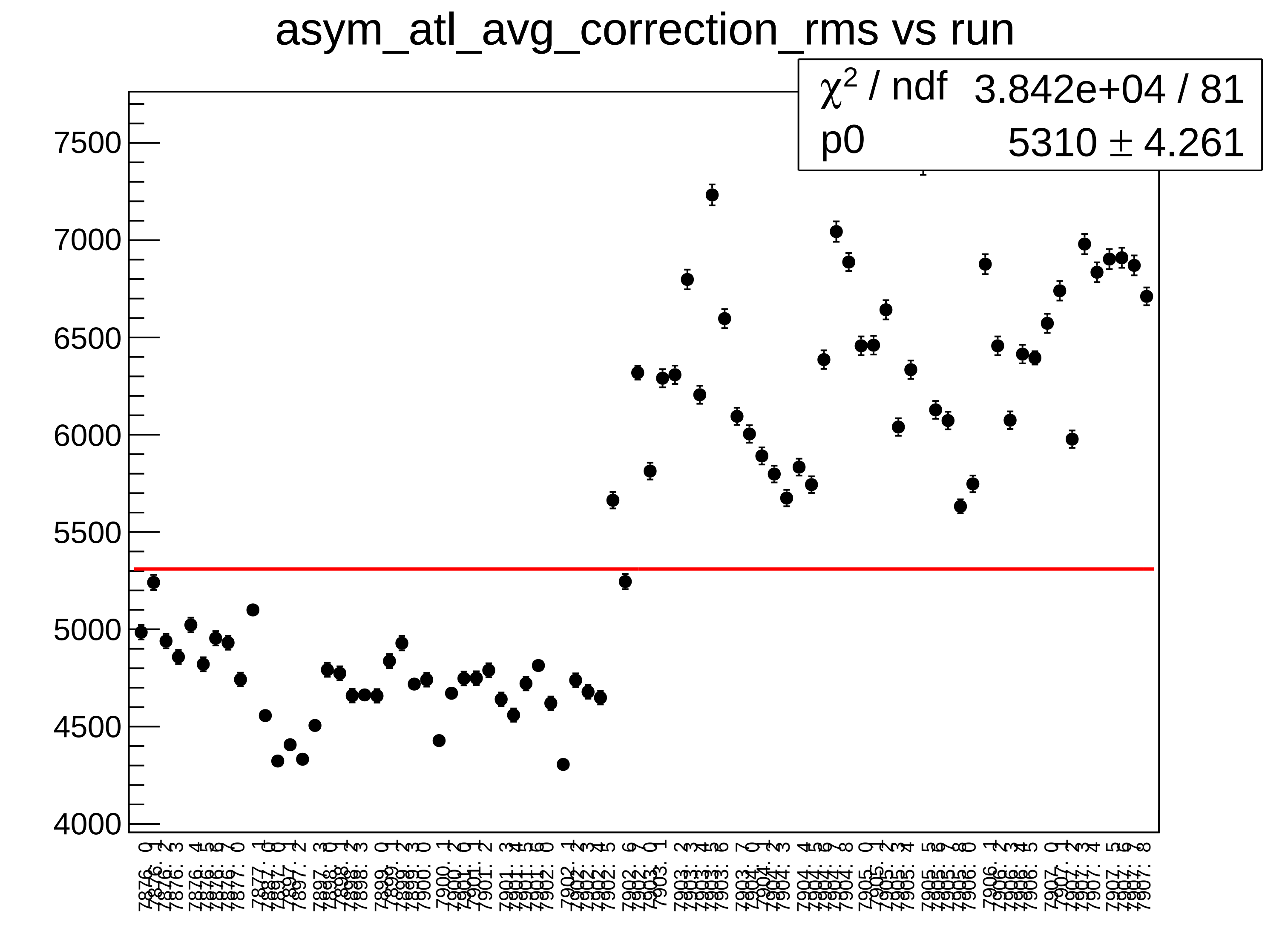
dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 70.66 / 81
p0 2521 ± 1932
pull
Entries 82
Mean 202
Std Dev 166.8
pull1D
Entries 82
Mean −0.02232
Std Dev 0.928

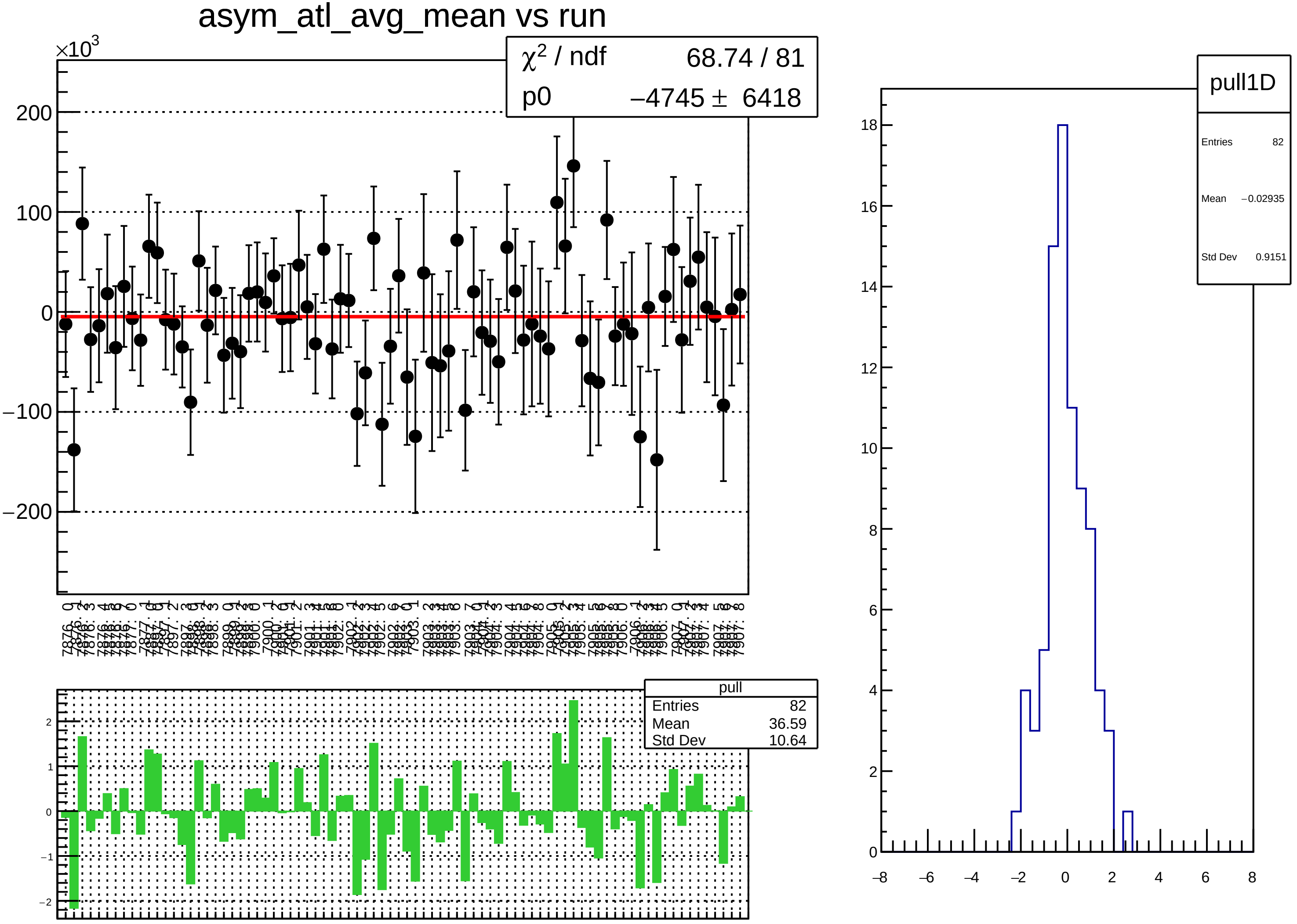


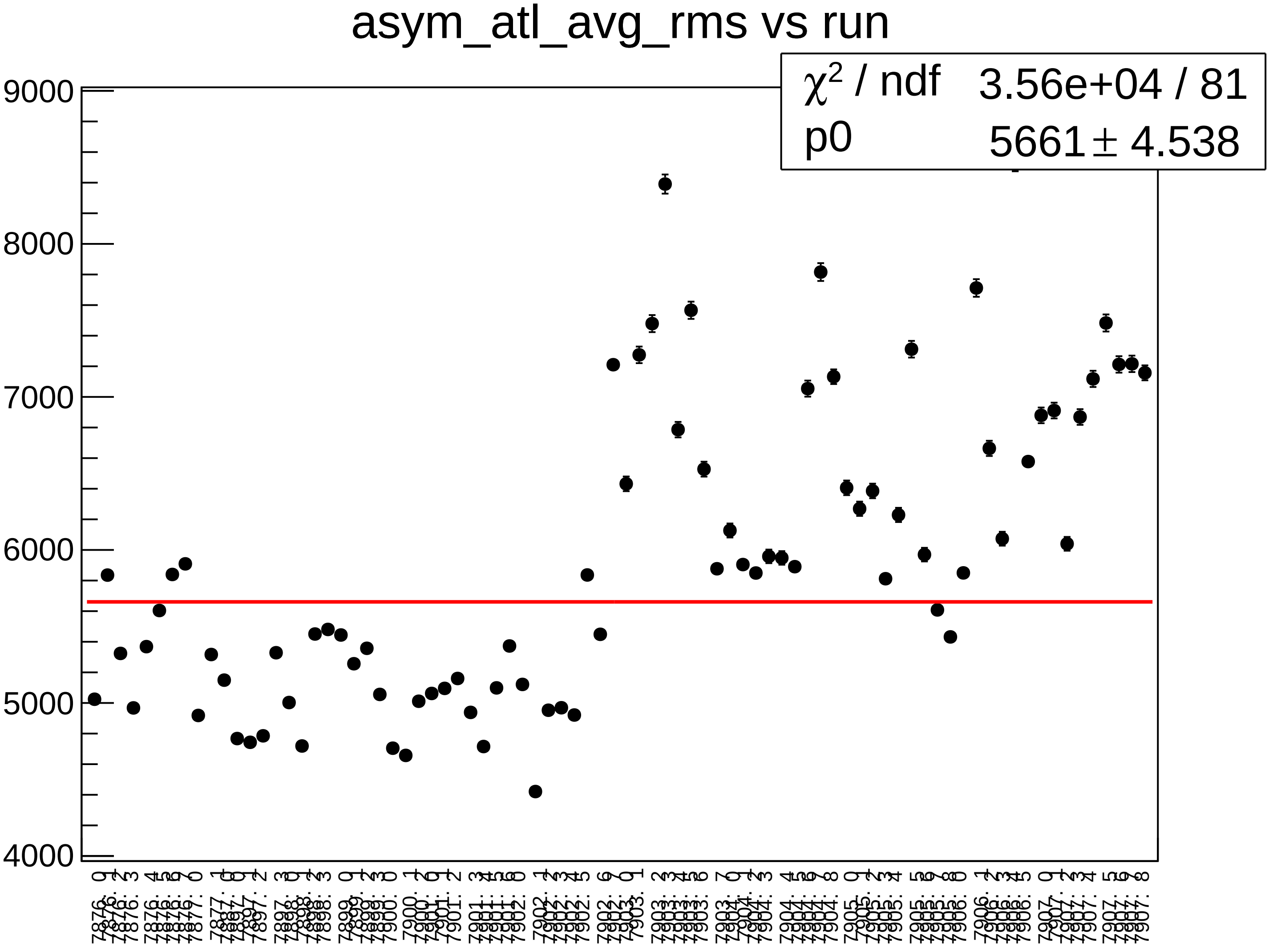
dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.225e+04 / 81
p0 1717 ± 1.366

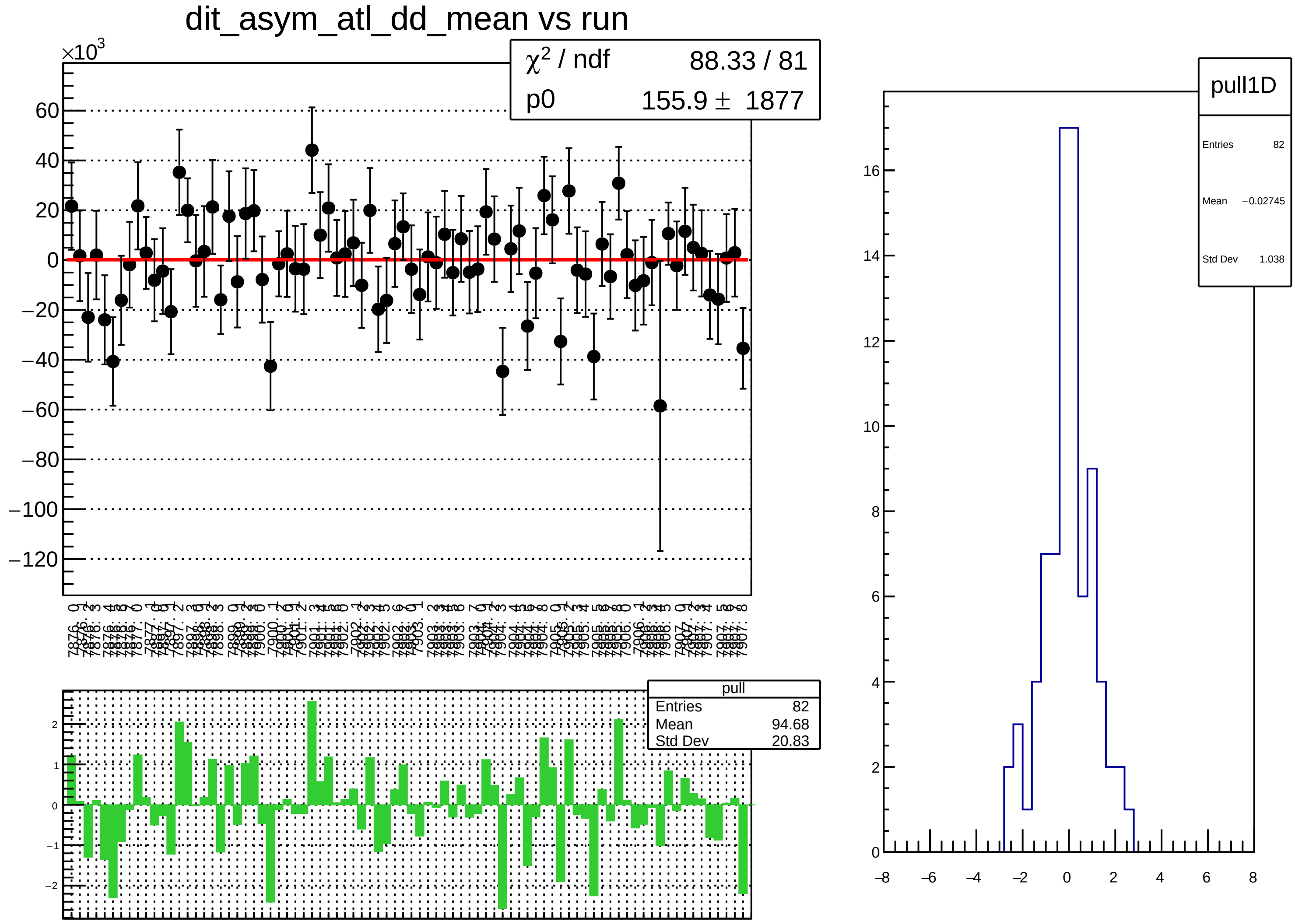


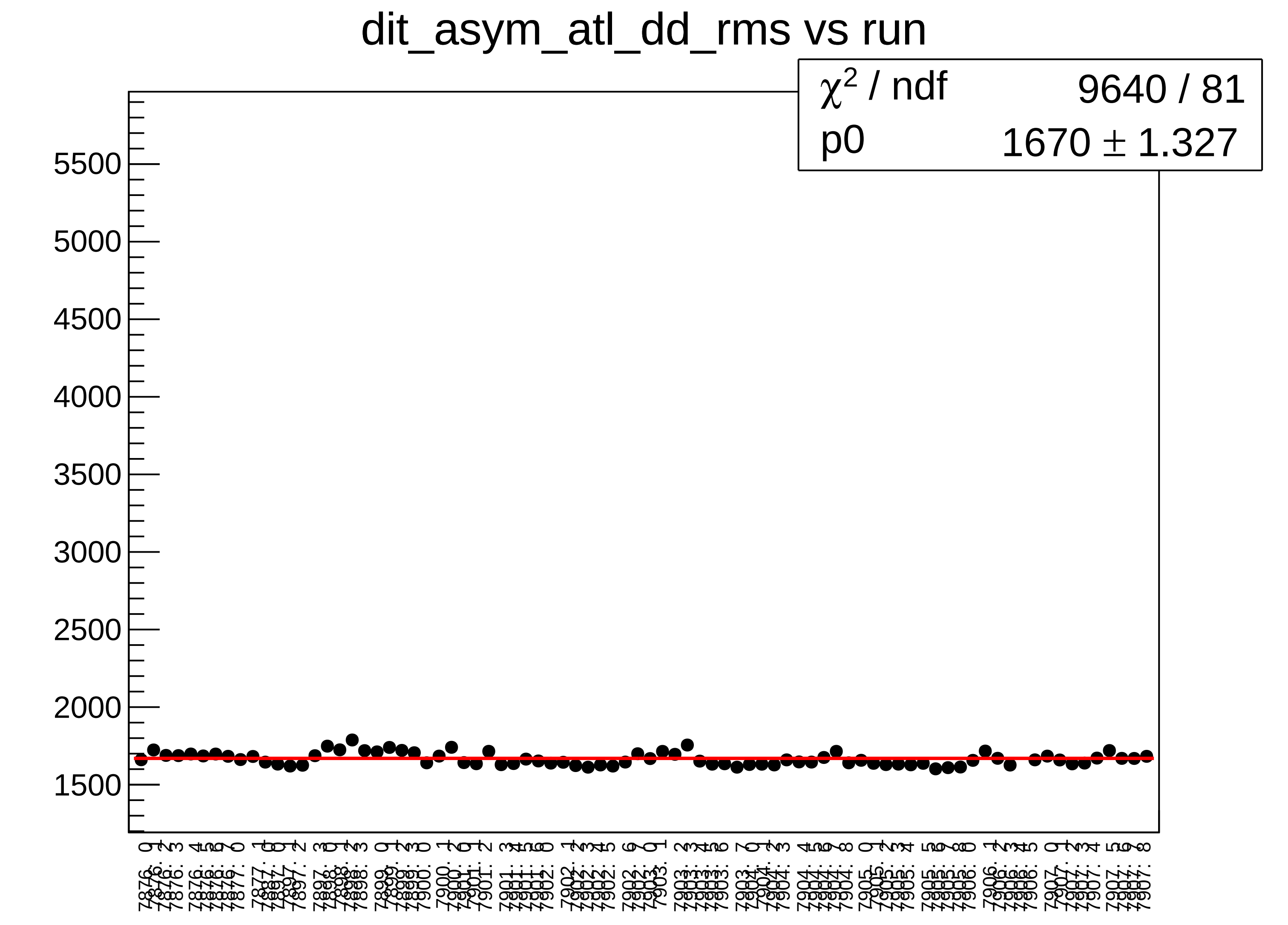
asym_atl_avg_correction_mean vs run
×10^3
χ2 / ndf 71.36 / 81
p0 8562 ± 6026
pull
Entries 82
Mean −60.21
Std Dev 96.91
pull1D
Entries 82
Mean 0.01179
Std Dev 0.9328


asym_atl_avg_correction_rms vs run
χ2 / ndf 3.842e+04 / 81
p0 5310 ± 4.261
7500
7000
6500
6000
5500
5000
4500
4000

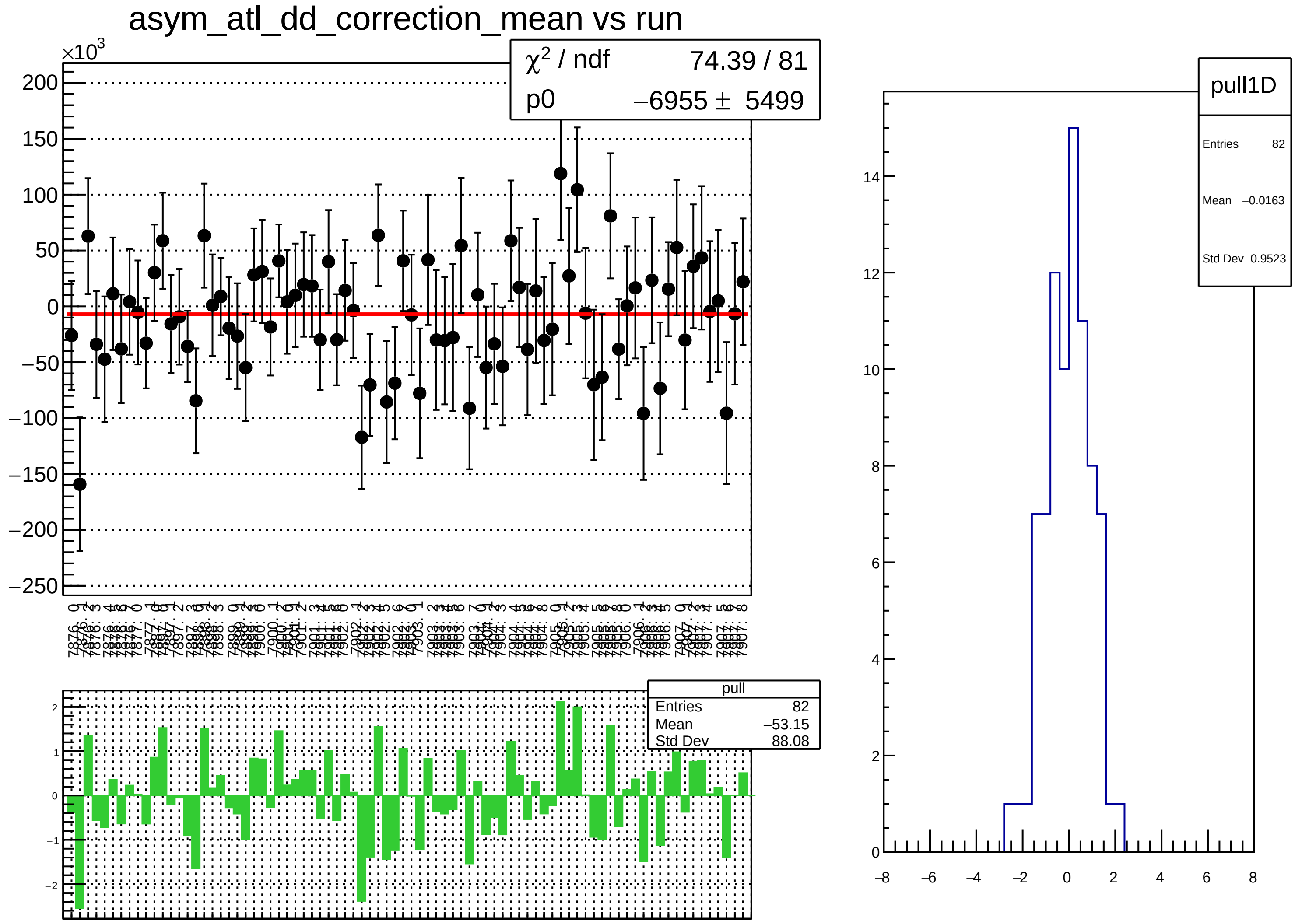

asym_atl_avg_mean vs run
×10^3
χ2 / ndf 68.74 / 81
p0 −4745 ± 6418
200
100
0
−100
−200
pull
Entries 82
Mean 36.59
Std Dev 10.64
pull1D
Entries 82
Mean −0.02935
Std Dev 0.9151
18
16
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8


asym_atl_avg_rms vs run
χ2 / ndf 3.56e+04 / 81
p0 5661 ± 4.538
9000
8000
7000
6000
5000
4000

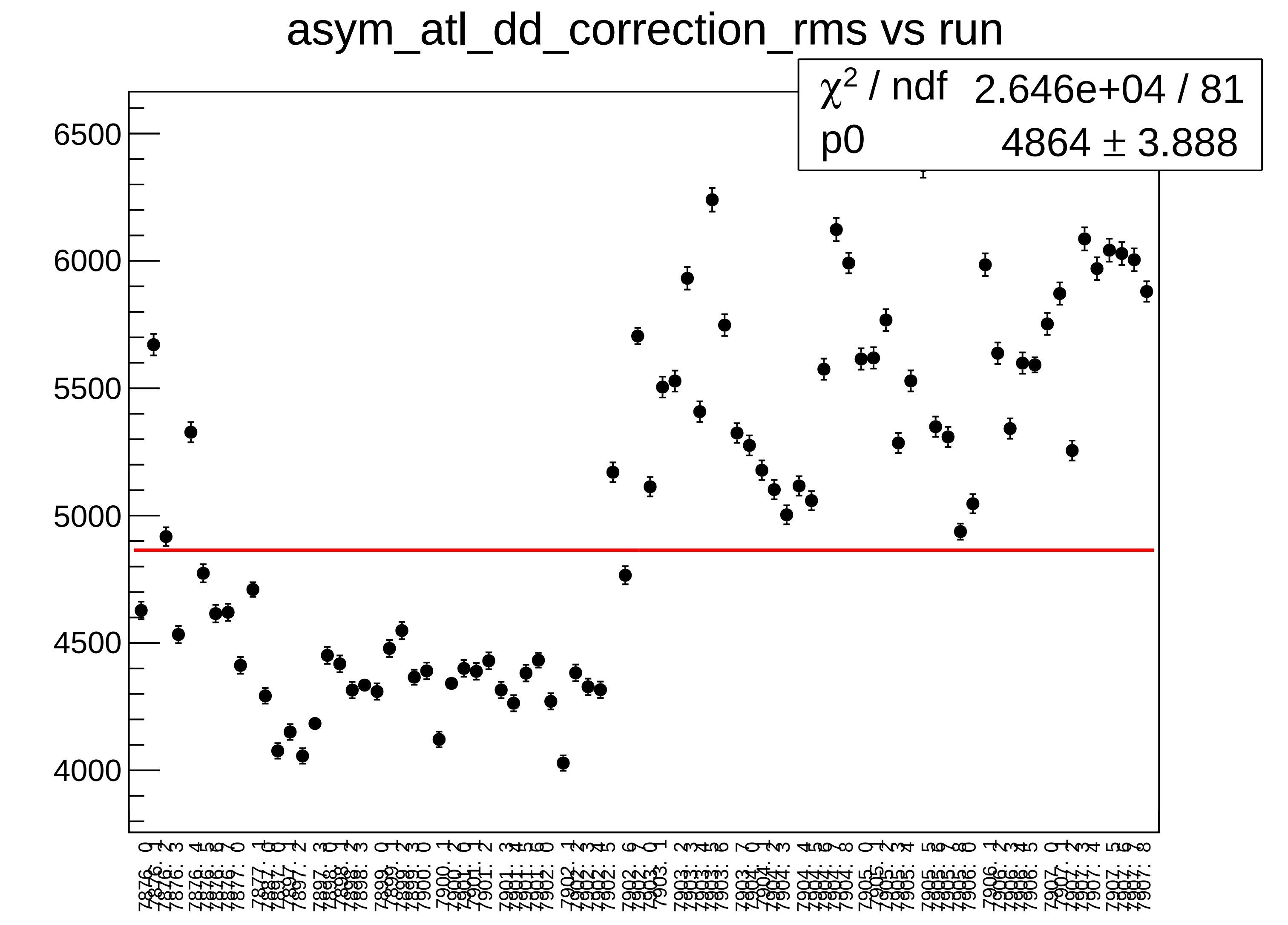

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 88.33 / 81
p0 155.9 ± 1877
60
40
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 82
Mean 94.68
Std Dev 20.83
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.02745
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

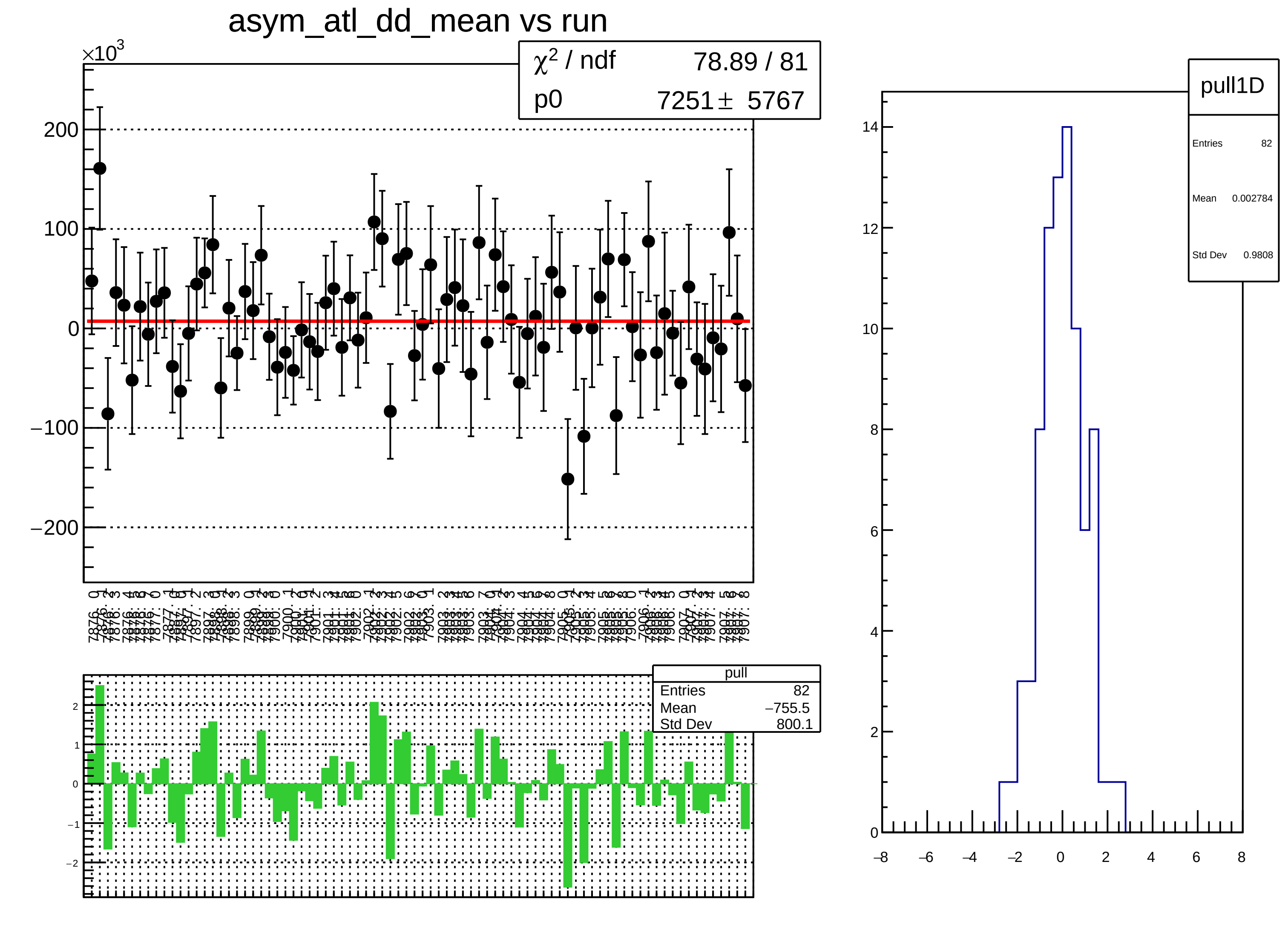


dit_asym_atl_dd_rms vs run
χ^2 / ndf 9640 / 81
p0 1670 ± 1.327
5500
5000
4500
4000
3500
3000
2500
2000
1500

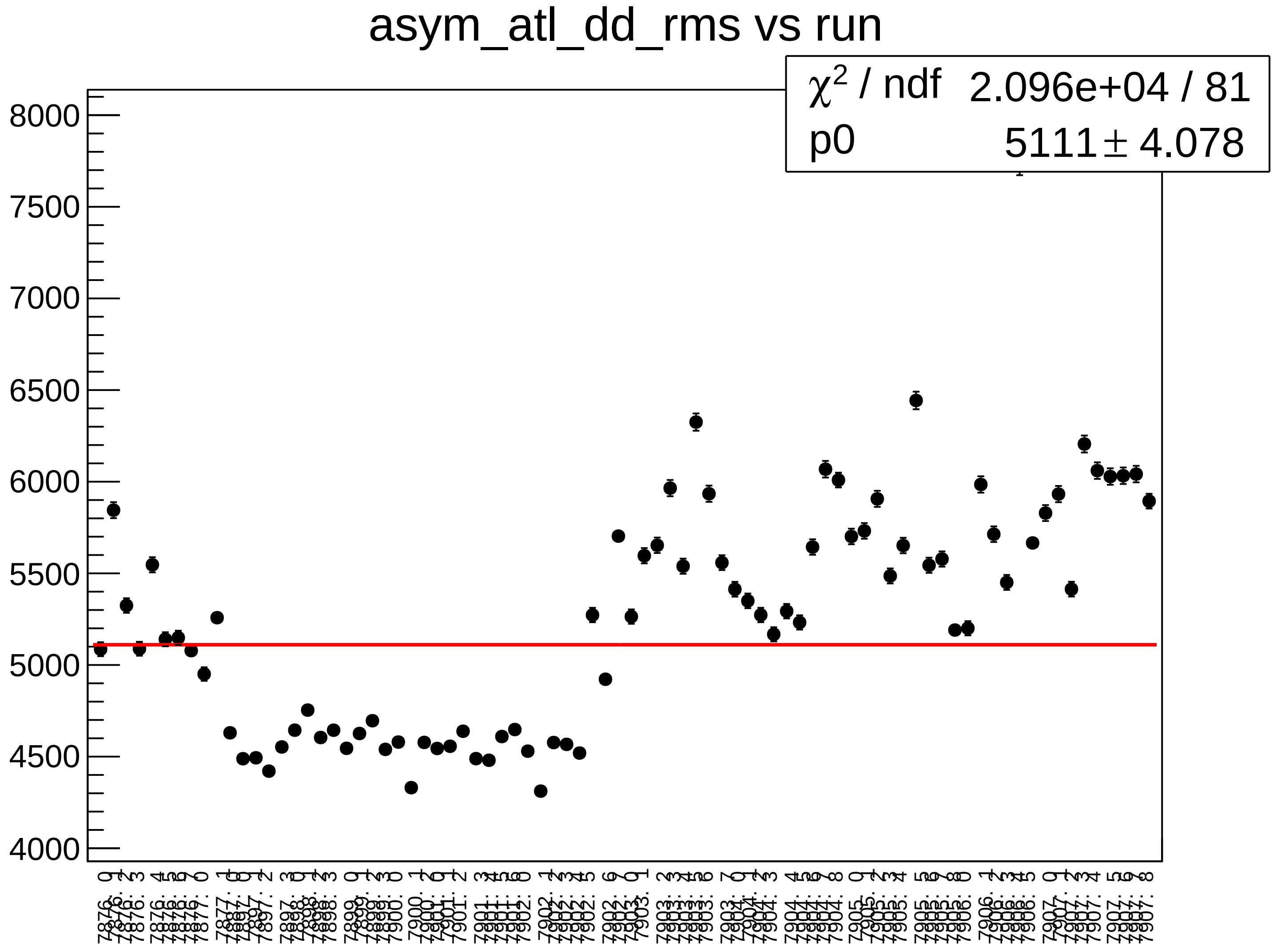


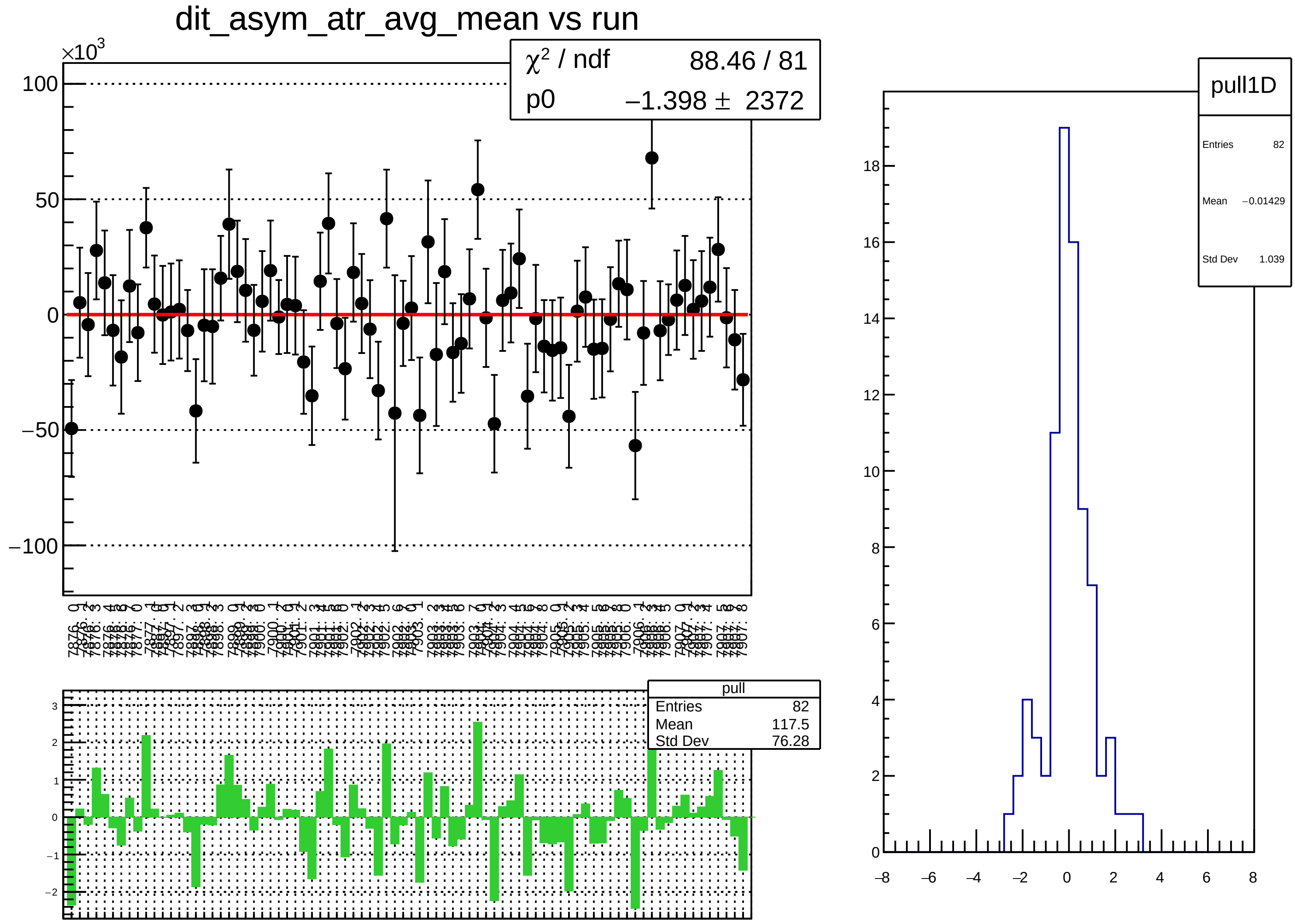
asym_atl_dd_correction_mean vs run
×10^3
χ2 / ndf 74.39 / 81
p0 −6955 ± 5499
pull
Entries 82
Mean −53.15
Std Dev 88.08
pull1D
Entries 82
Mean −0.0163
Std Dev 0.9523

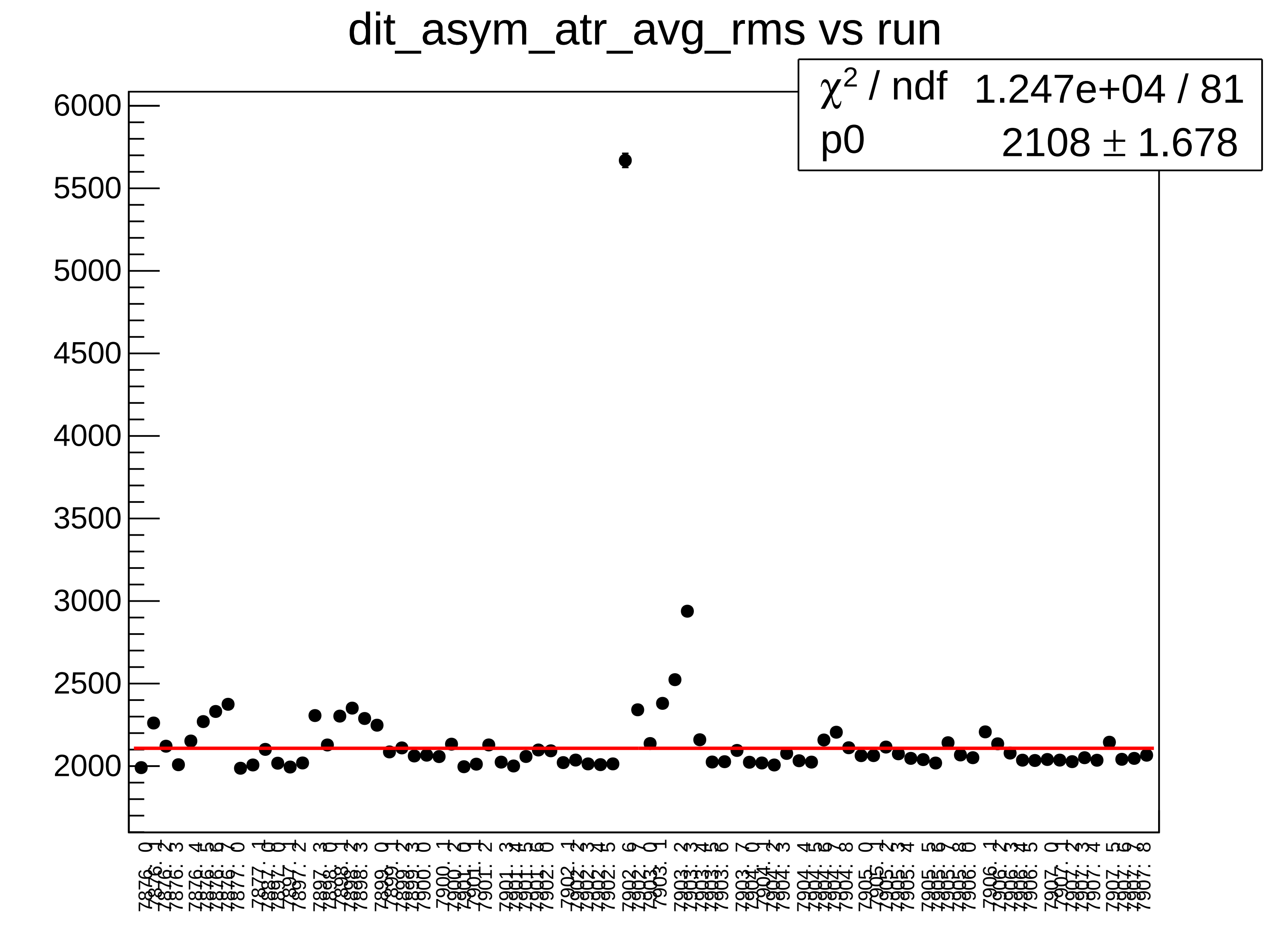

asym_atl_dd_correction_rms vs run
χ^2 / ndf 2.646e+04 / 81
p0 4864 ± 3.888
6500
6000
5500
5000
4500
4000



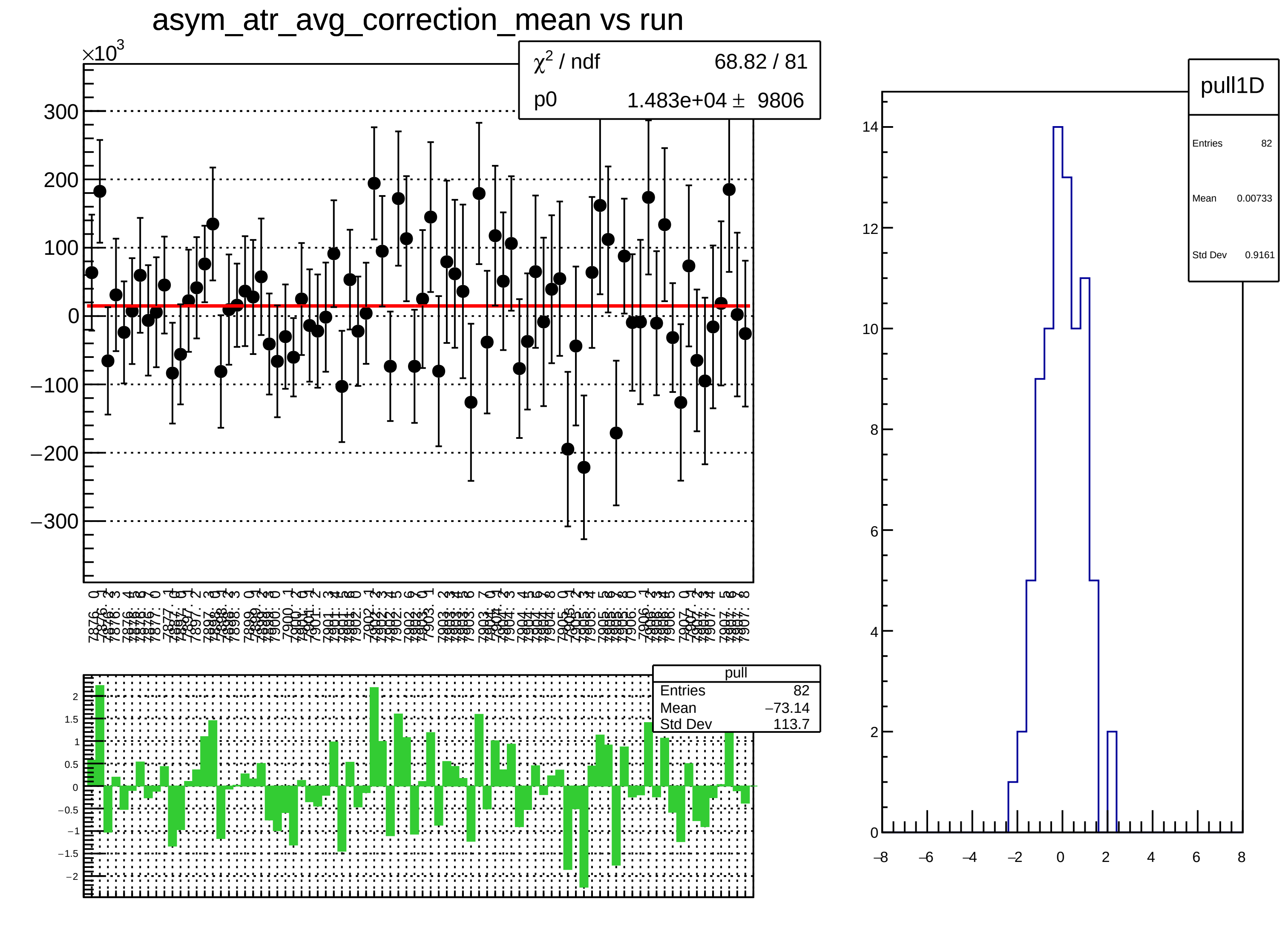
asym_atl_dd_mean vs run
×10^3
χ2 / ndf 78.89 / 81
p0 7251 ± 5767
200
100
0
−100
−200
pull
Entries 82
Mean −755.5
Std Dev 800.1
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.002784
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_rms vs run
χ2 / ndf 2.096e+04 / 81
p0 5111 ± 4.078
8000
7500
7000
6500
6000
5500
5000
4500
4000

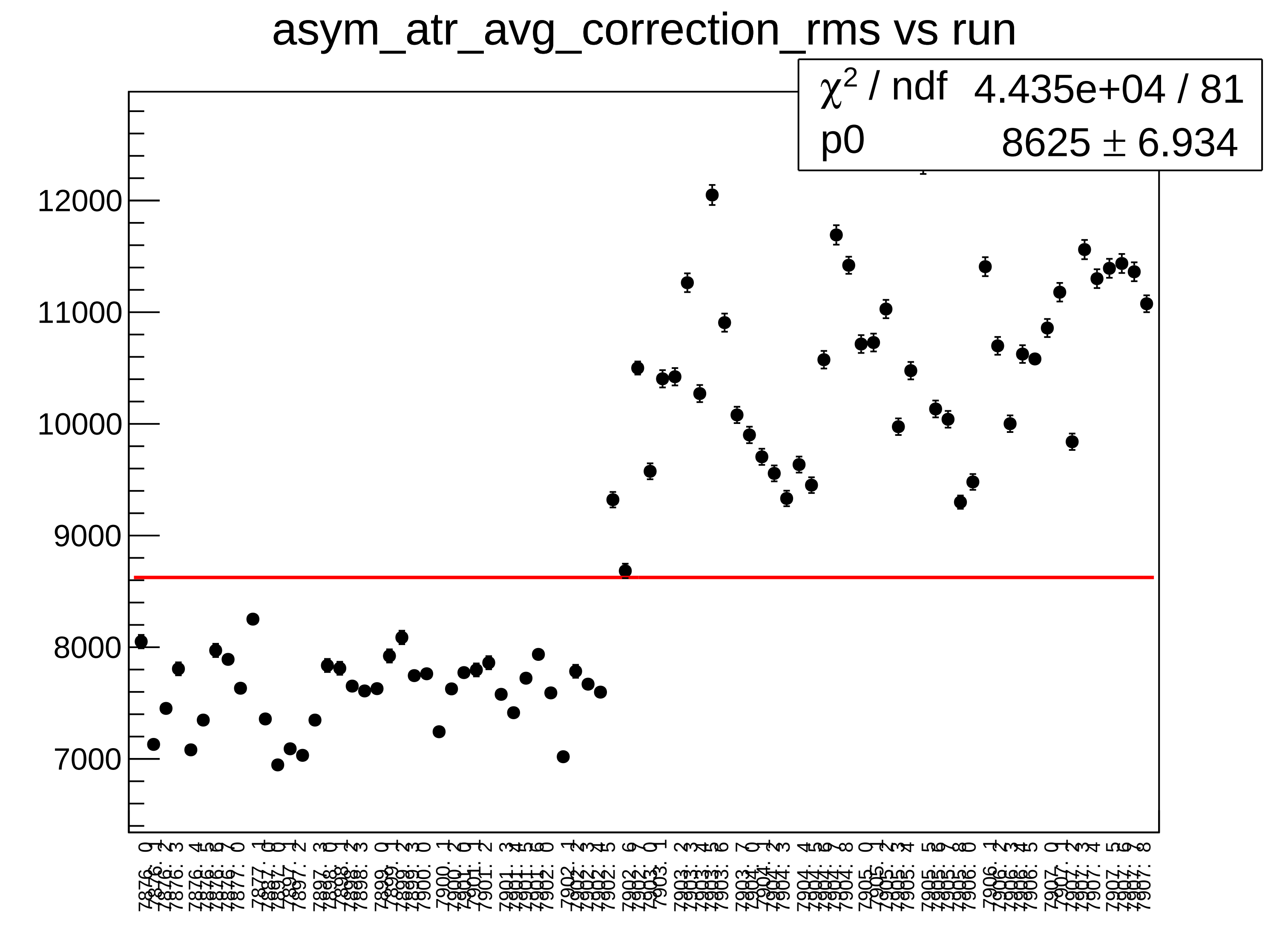

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 88.46 / 81
p0 −1.398 ± 2372
100
50
0
−50
−100
pull
Entries 82
Mean 117.5
Std Dev 76.28
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01429
Std Dev 1.039
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



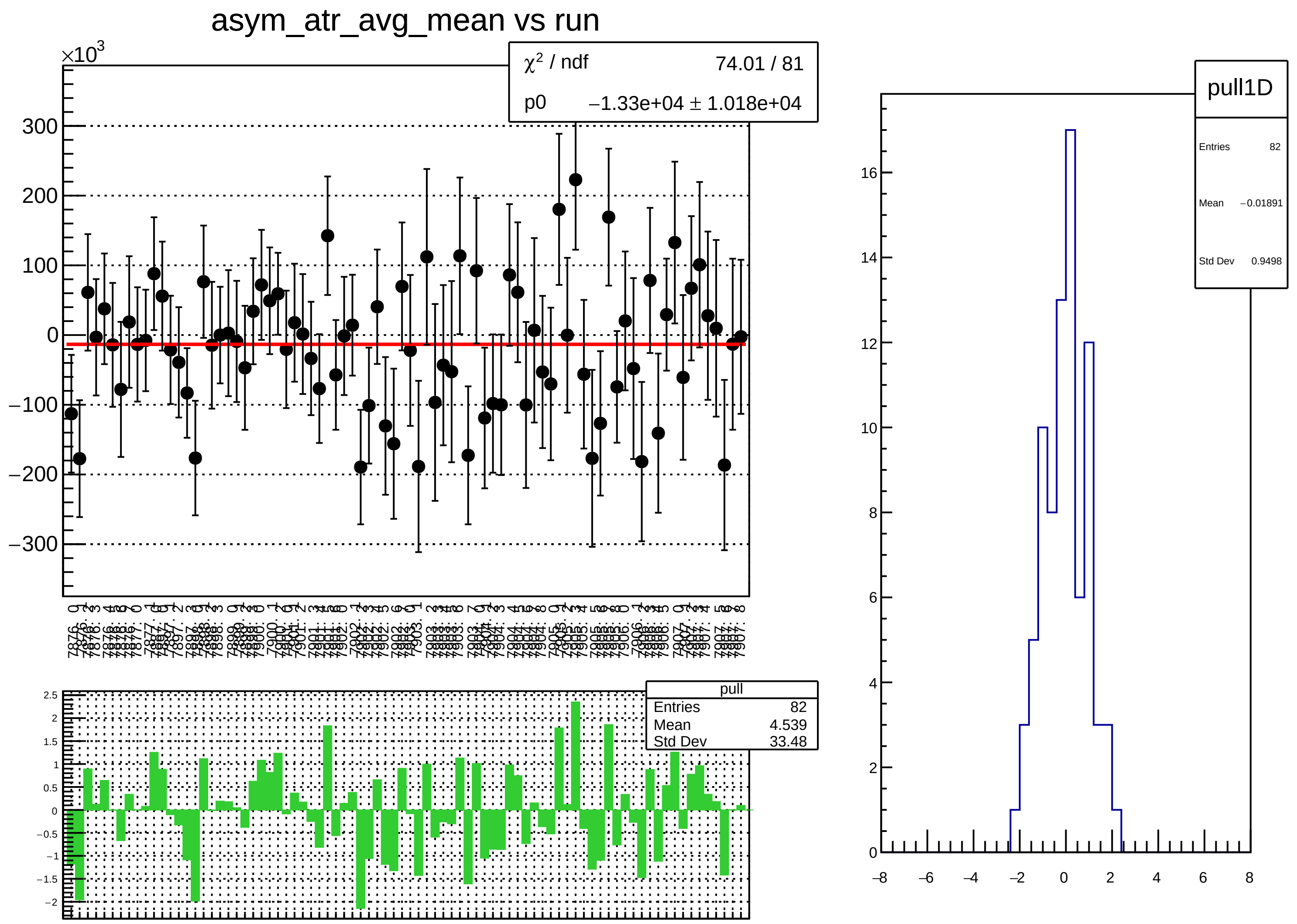
dit_asym_atr_avg_rms vs run
χ2 / ndf 1.247e+04 / 81
p0 2108 ± 1.678
6000
5500
5000
4500
4000
3500
3000
2500
2000



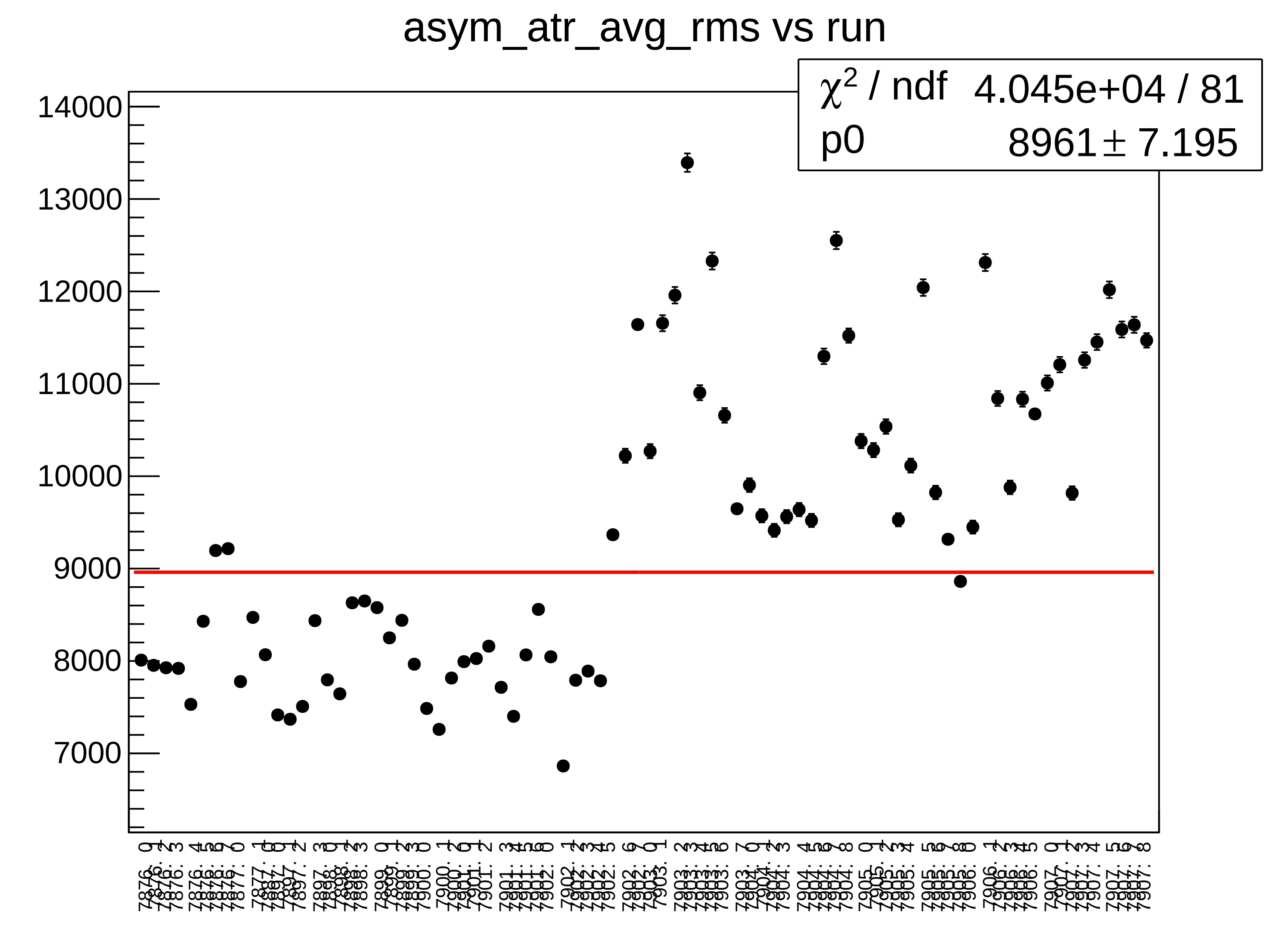
asym_atr_avg_correction_mean vs run
×10^3
χ2 / ndf 68.82 / 81
p0 1.483e+04 ± 9806
pull
Entries 82
Mean −73.14
Std Dev 113.7
pull1D
Entries 82
Mean 0.00733
Std Dev 0.9161

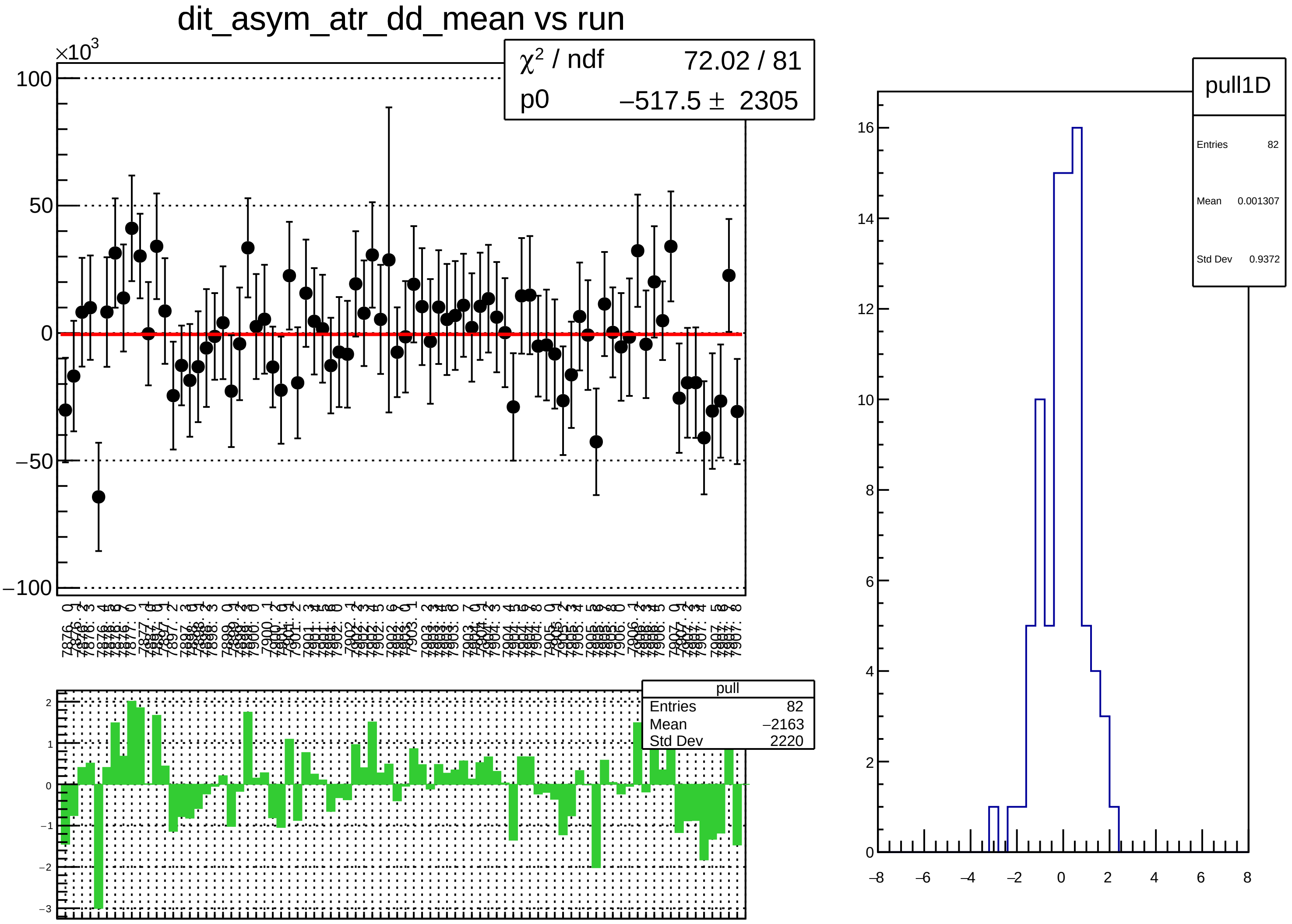


asym_atr_avg_correction_rms vs run
χ^2 / ndf 4.435e+04 / 81
p0 8625 ± 6.934
12000
11000
10000
9000
8000
7000

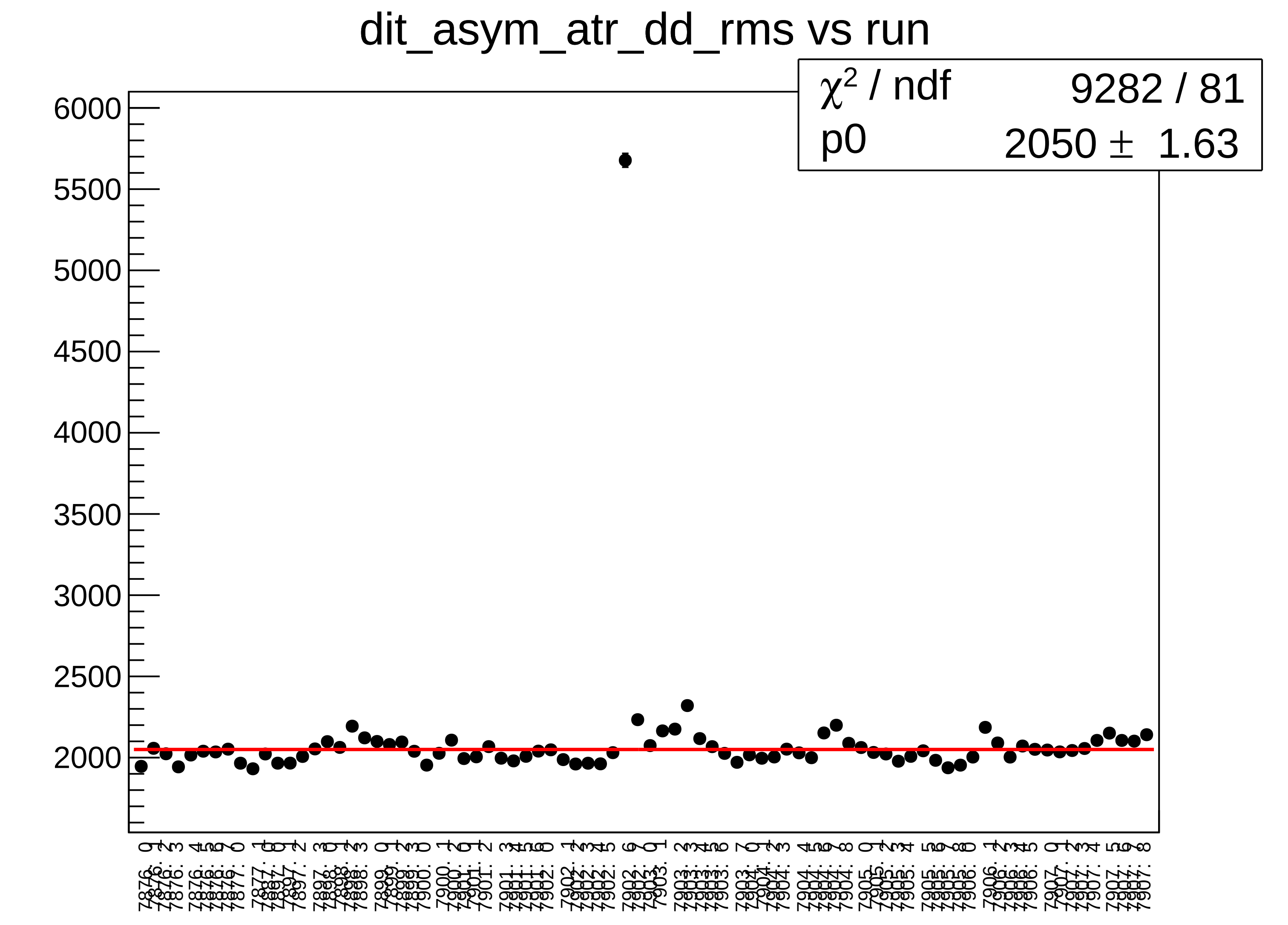


asym_atr_avg_mean vs run
×10^3
χ2 / ndf 74.01 / 81
p0 −1.33e+04 ± 1.018e+04
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean 4.539
Std Dev 33.48
pull1D
Entries 82
Mean −0.01891
Std Dev 0.9498

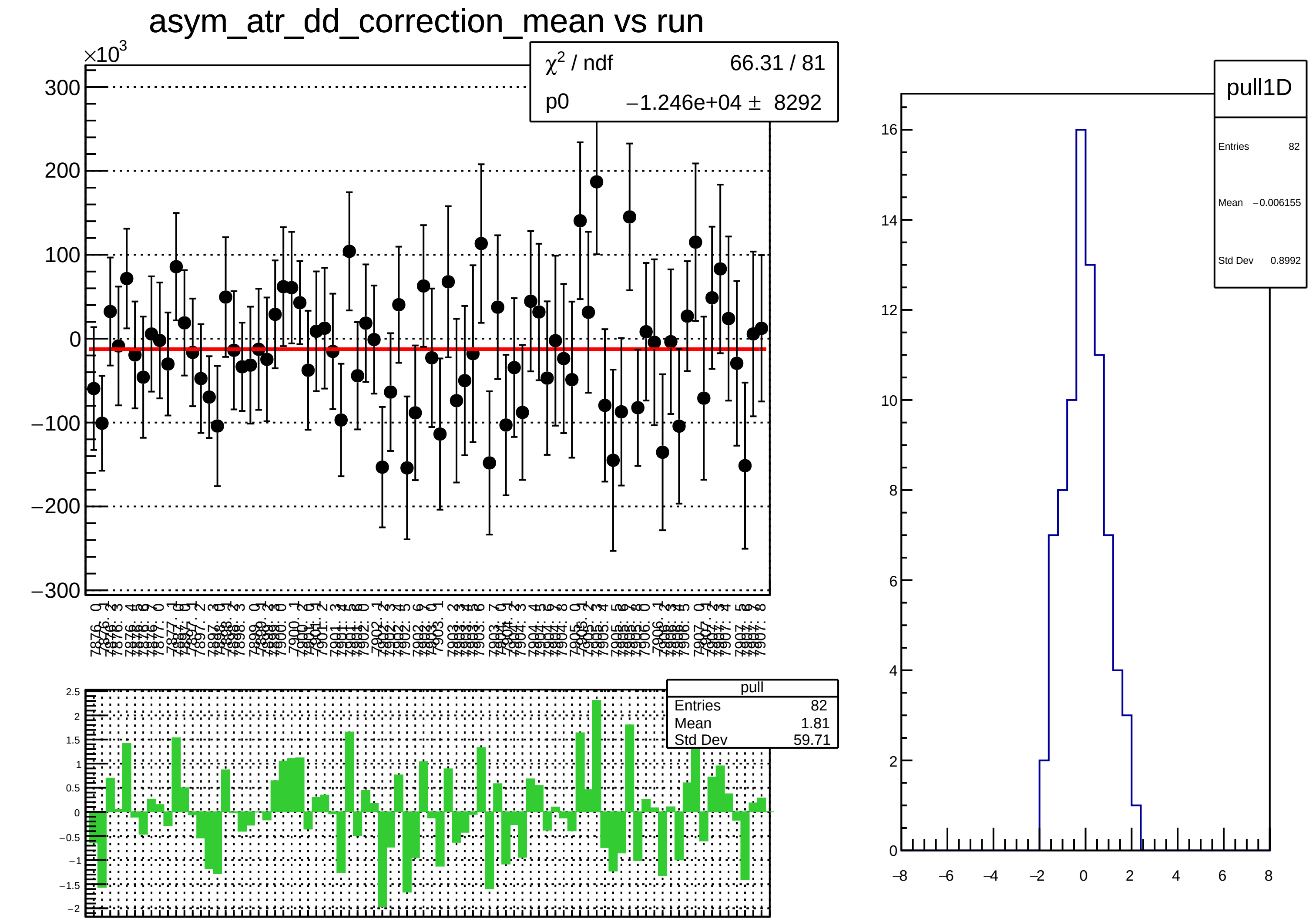

asym_atr_avg_rms vs run
χ2 / ndf 4.045e+04 / 81
p0 8961 ± 7.195
14000
13000
12000
11000
10000
9000
8000
7000



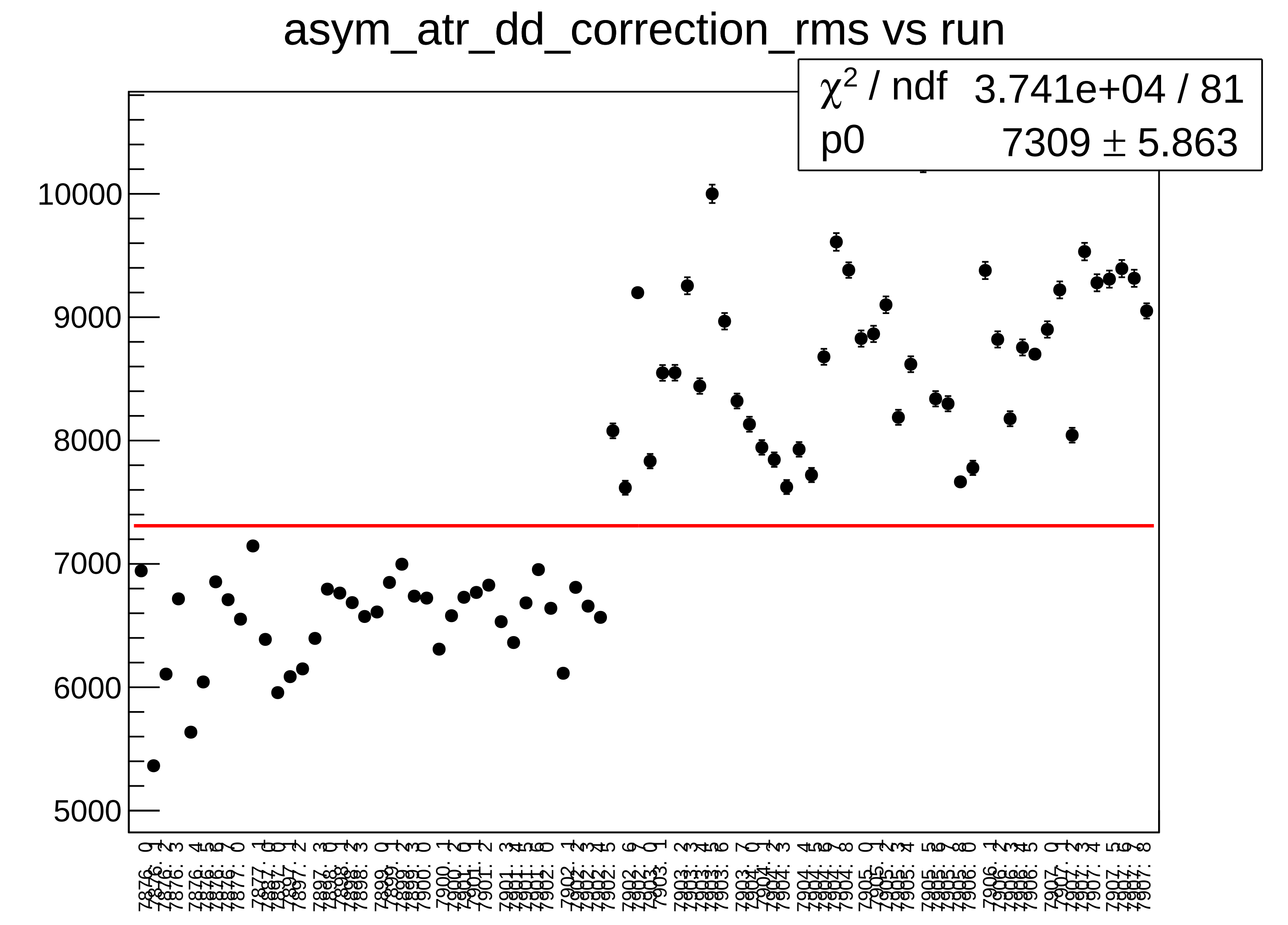
dit_asym_atr_dd_mean vs run
χ^2 / ndf 72.02 / 81
p0 −517.5 ± 2305
pull
Entries 82
Mean −2163
Std Dev 2220
pull1D
Entries 82
Mean 0.001307
Std Dev 0.9372



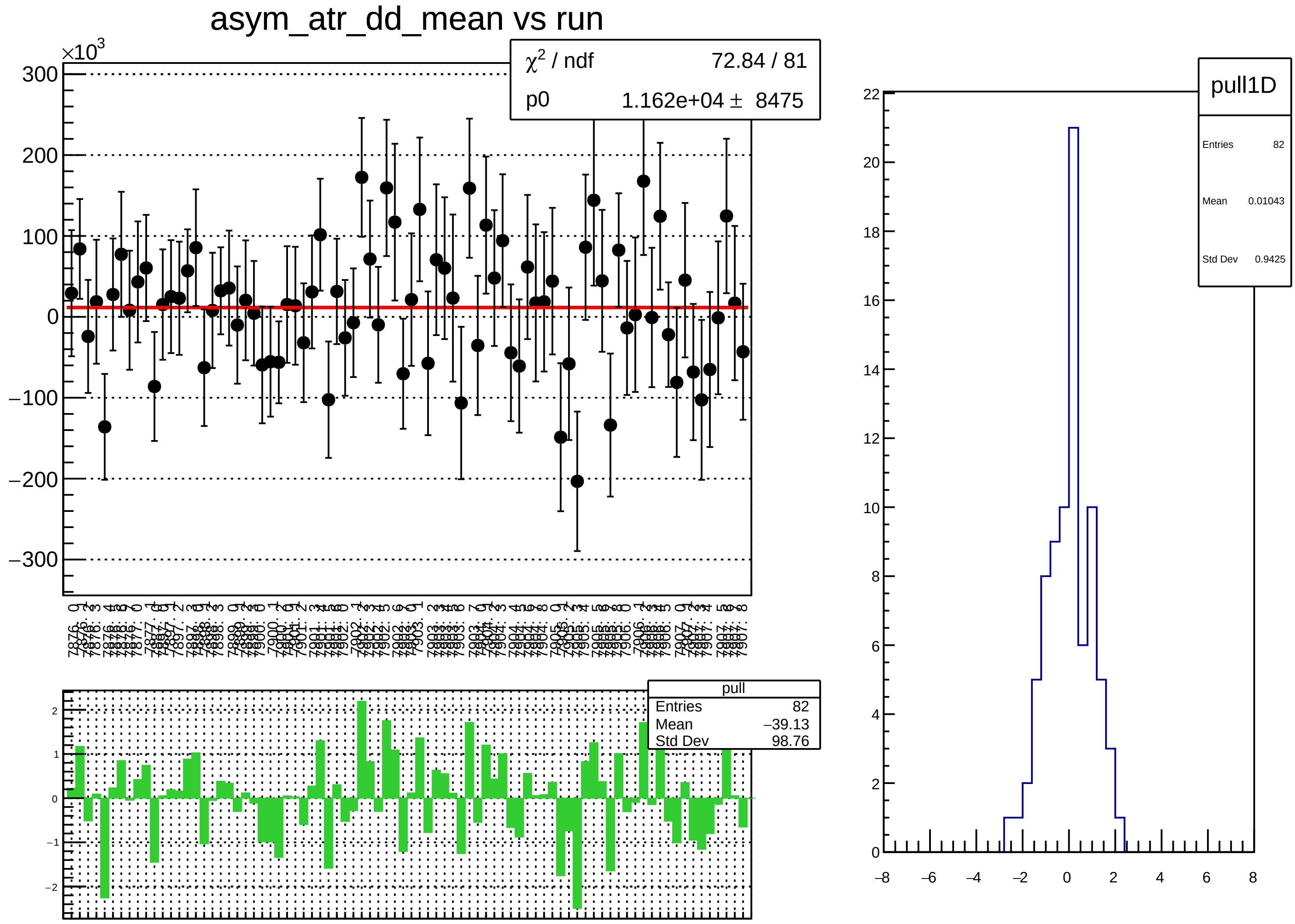
dit_asym_atr_dd_rms vs run
χ^2 / ndf 9282 / 81
p0 2050 ± 1.63
6000
5500
5000
4500
4000
3500
3000
2500
2000

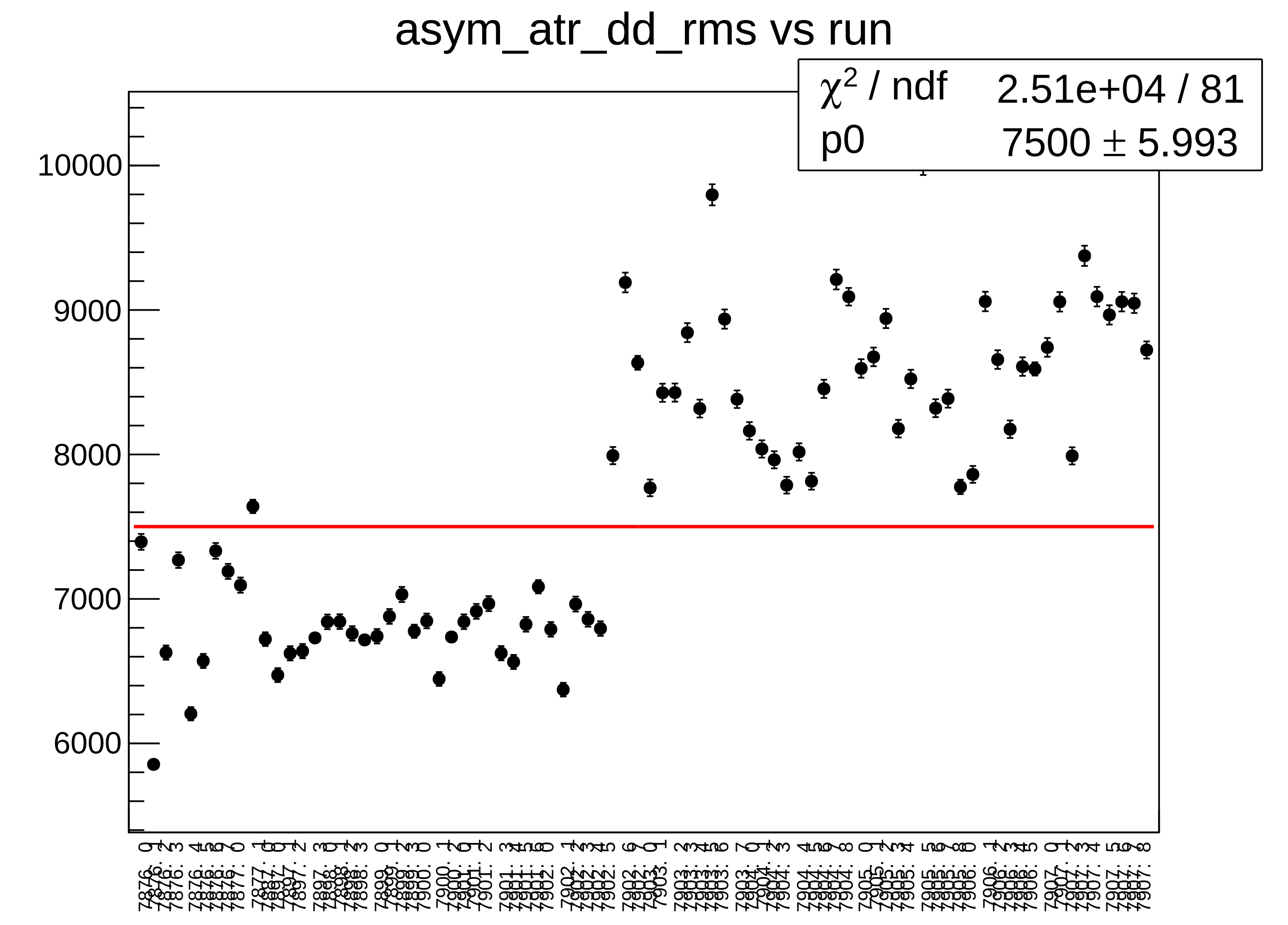


asym_atr_dd_correction_mean vs run
×10^3
χ2 / ndf 66.31 / 81
p0 −1.246e+04 ± 8292
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean 1.81
Std Dev 59.71
pull1D
Entries 82
Mean −0.006155
Std Dev 0.8992

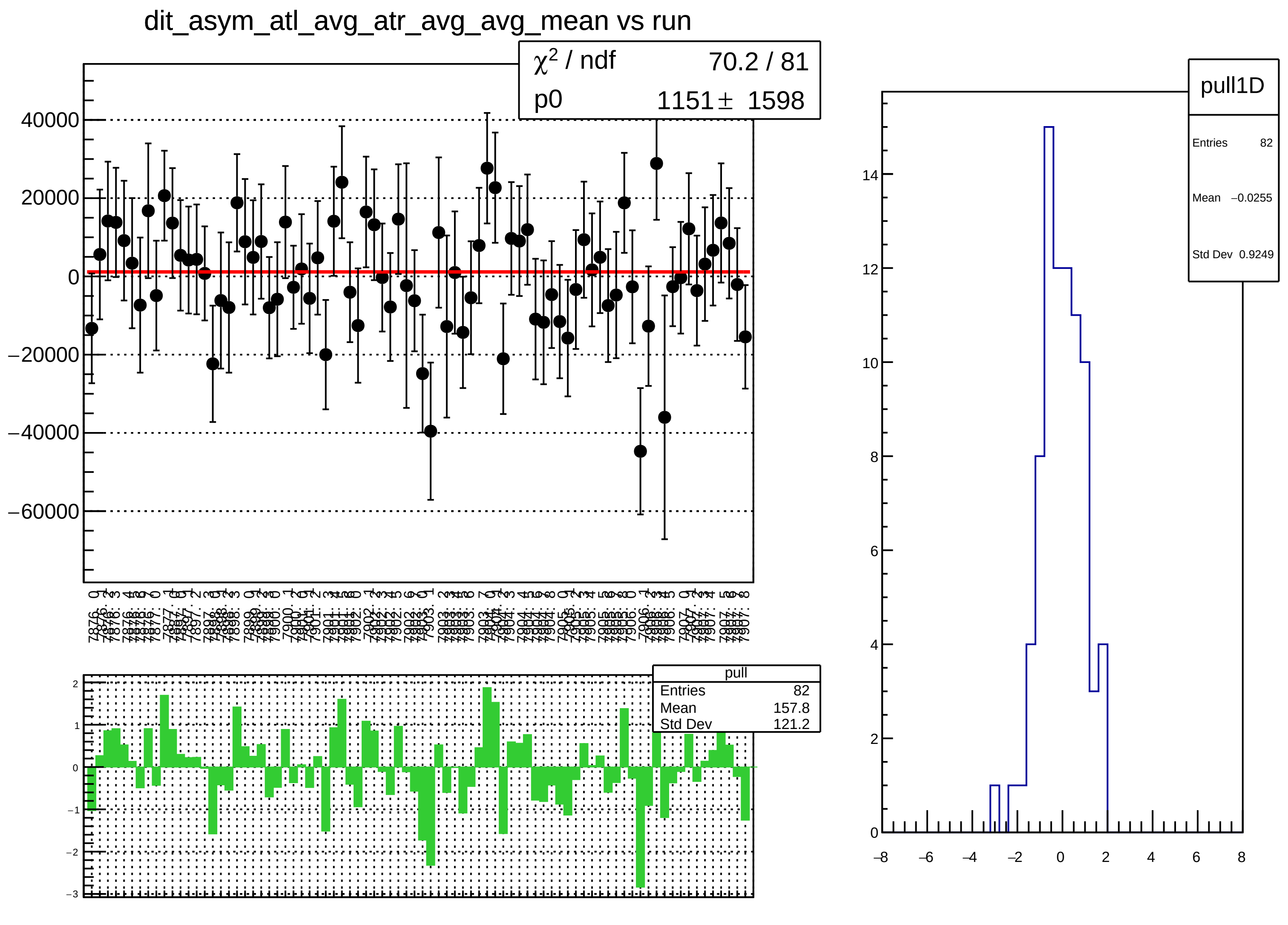


asym_atr_dd_correction_rms vs run
χ^2 / ndf 3.741e+04 / 81
p0 7309 ± 5.863
10000
9000
8000
7000
6000
5000

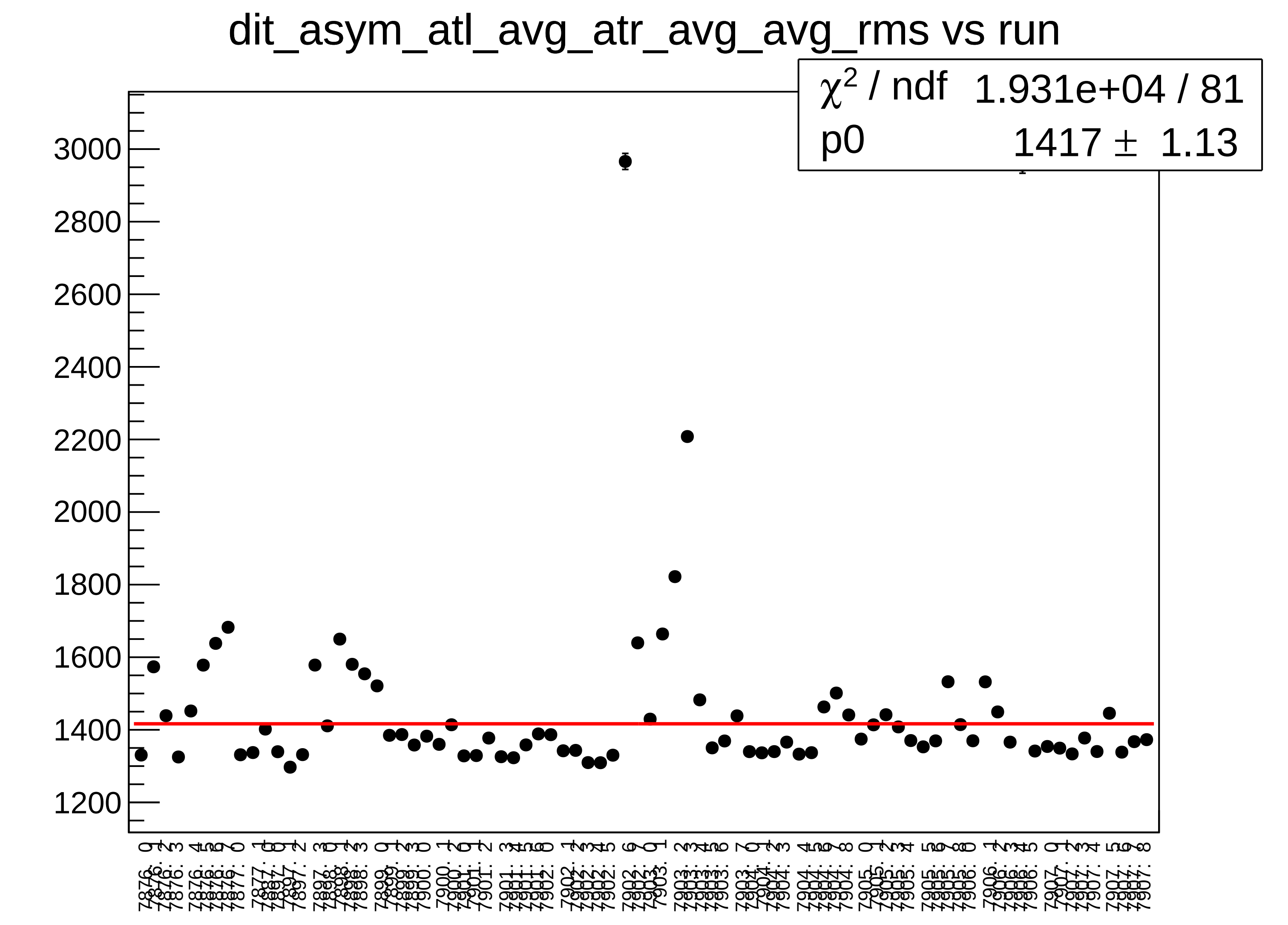

asym_atr_dd_mean vs run
×10^3
χ2 / ndf 72.84 / 81
p0 1.162e+04 ± 8475
pull
Entries 82
Mean −39.13
Std Dev 98.76
pull1D
Entries 82
Mean 0.01043
Std Dev 0.9425

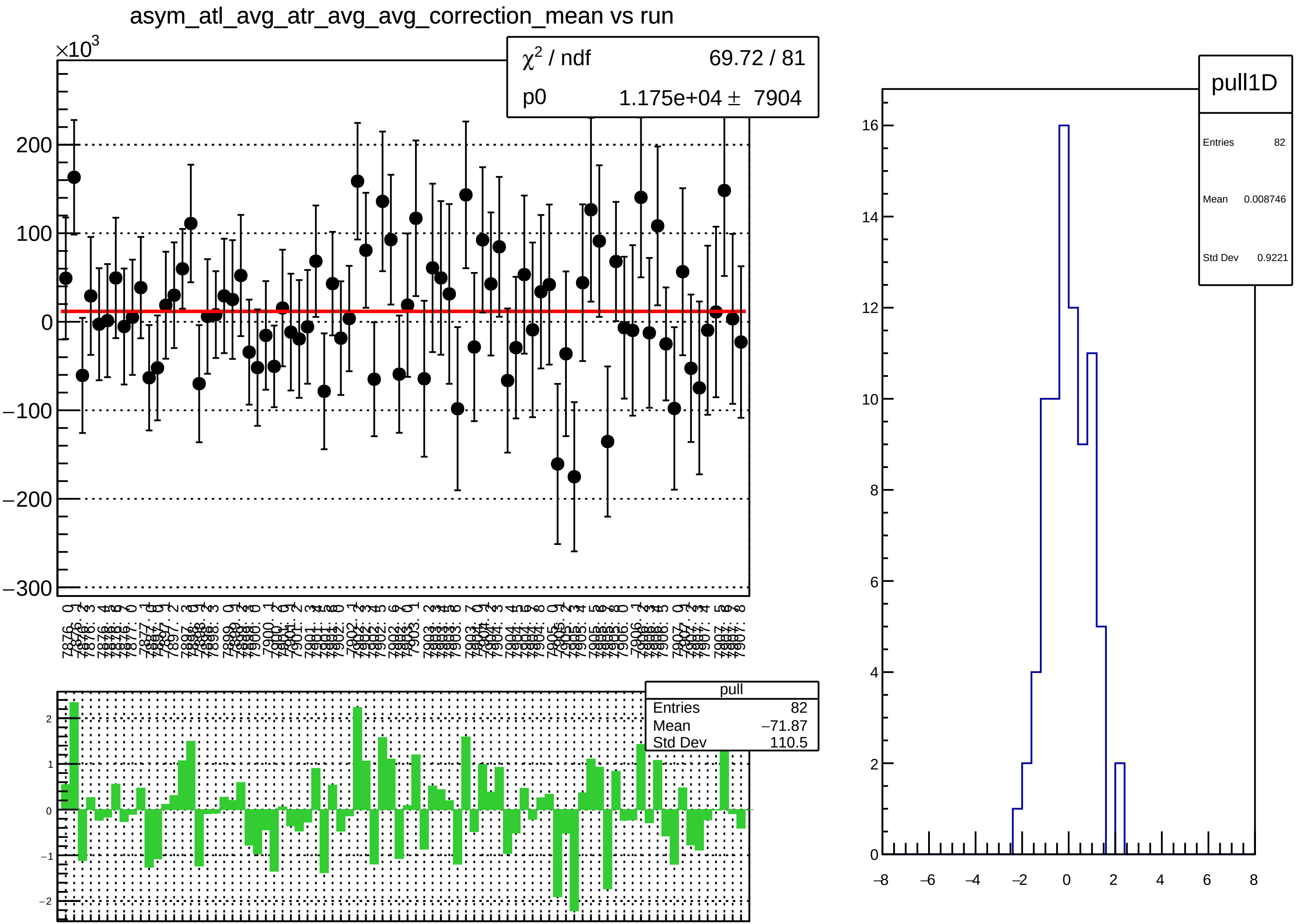


asym_atr_dd_rms vs run
χ^2 / ndf 2.51e+04 / 81
p0 7500 ± 5.993
10000
9000
8000
7000
6000

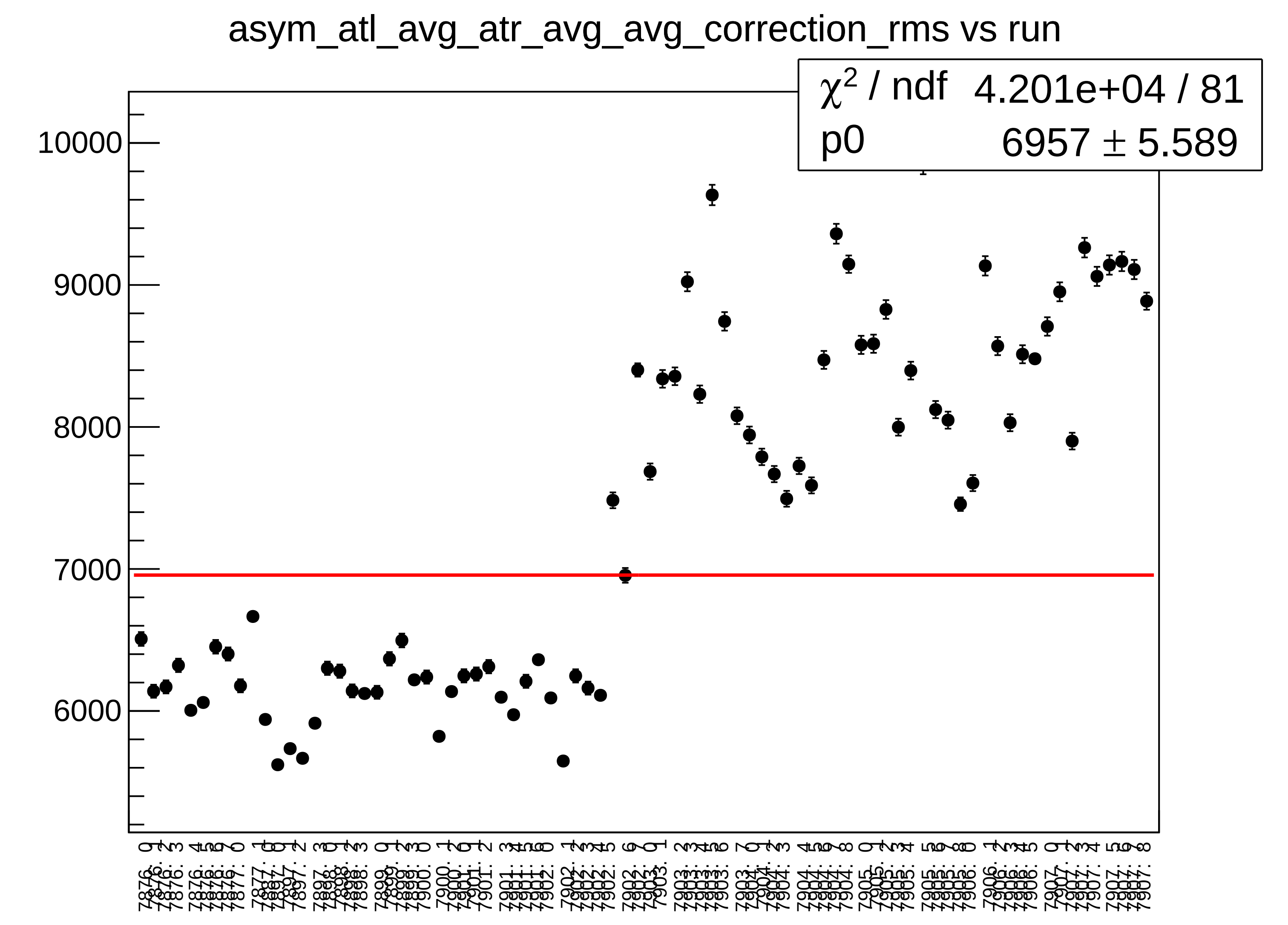


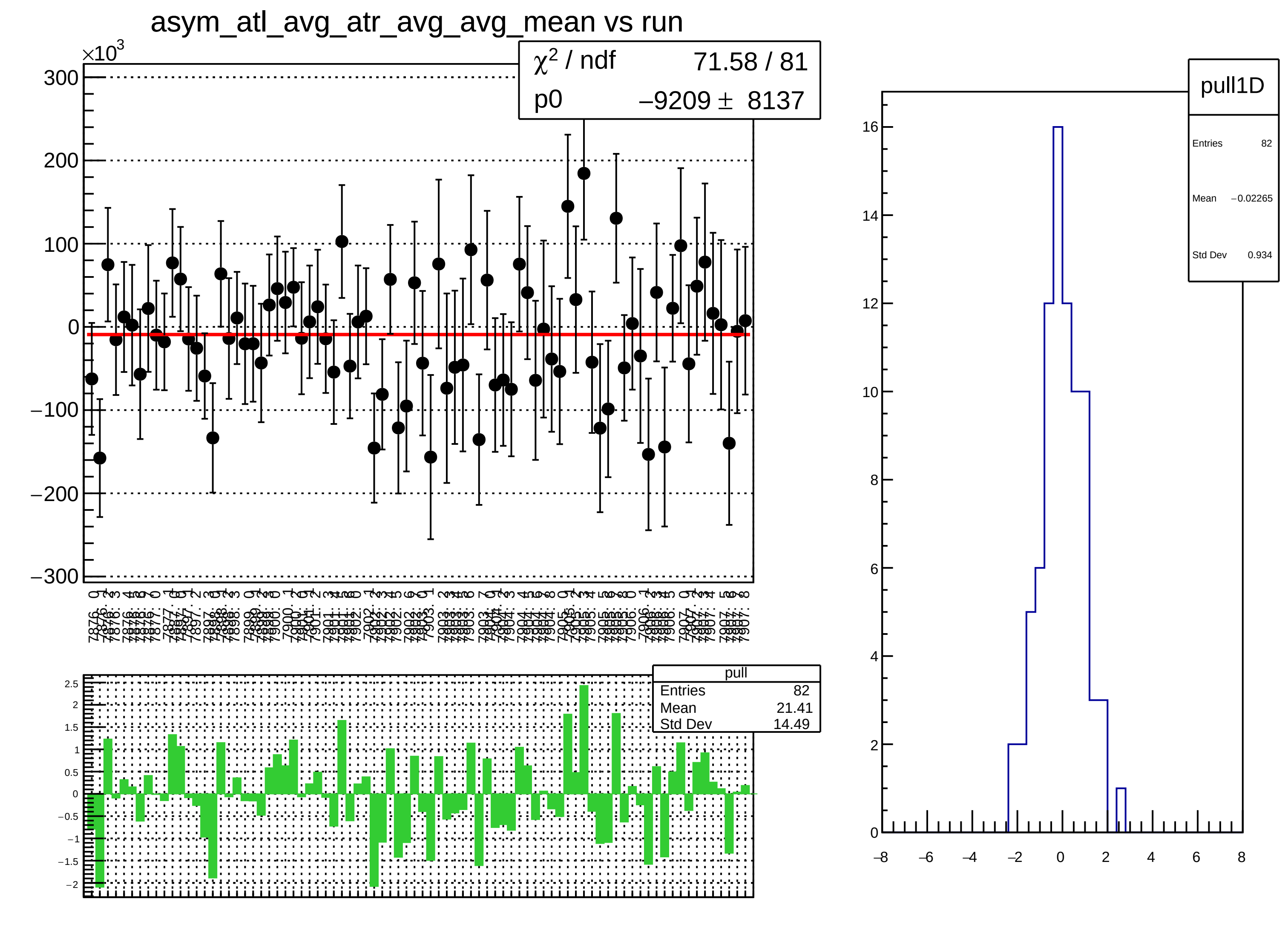
dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 70.2 / 81
p0 1151 ± 1598
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 157.8
Std Dev 121.2
pull1D
Entries 82
Mean −0.0255
Std Dev 0.9249


dit_asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 1.931e+04 / 81
p0 1417 ± 1.13

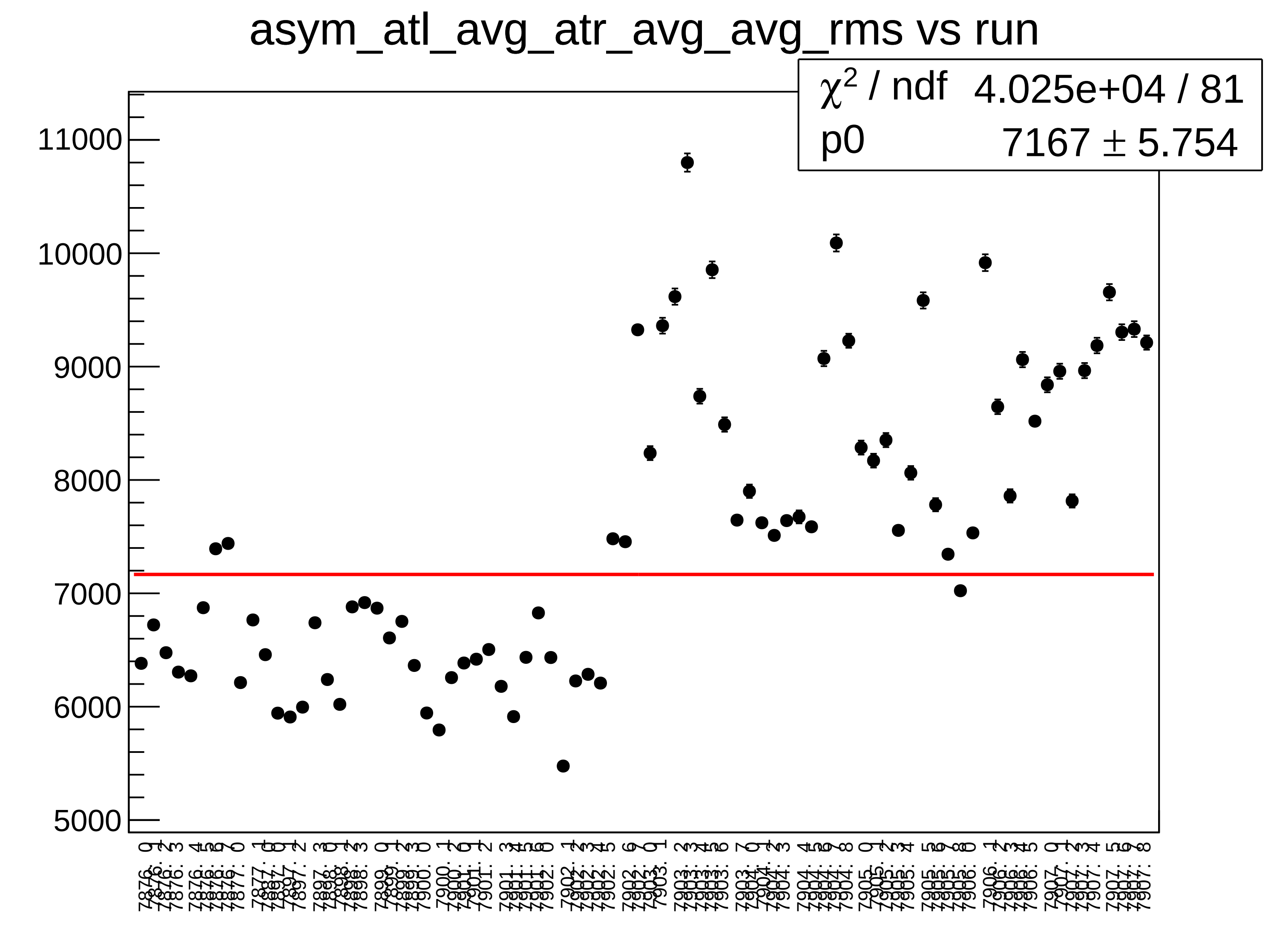


asym_atl_avg_atr_avg_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 69.72 / 81
p0 1.175e+04 ± 7904
pull
Entries 82
Mean −71.87
Std Dev 110.5
pull1D
Entries 82
Mean 0.008746
Std Dev 0.9221

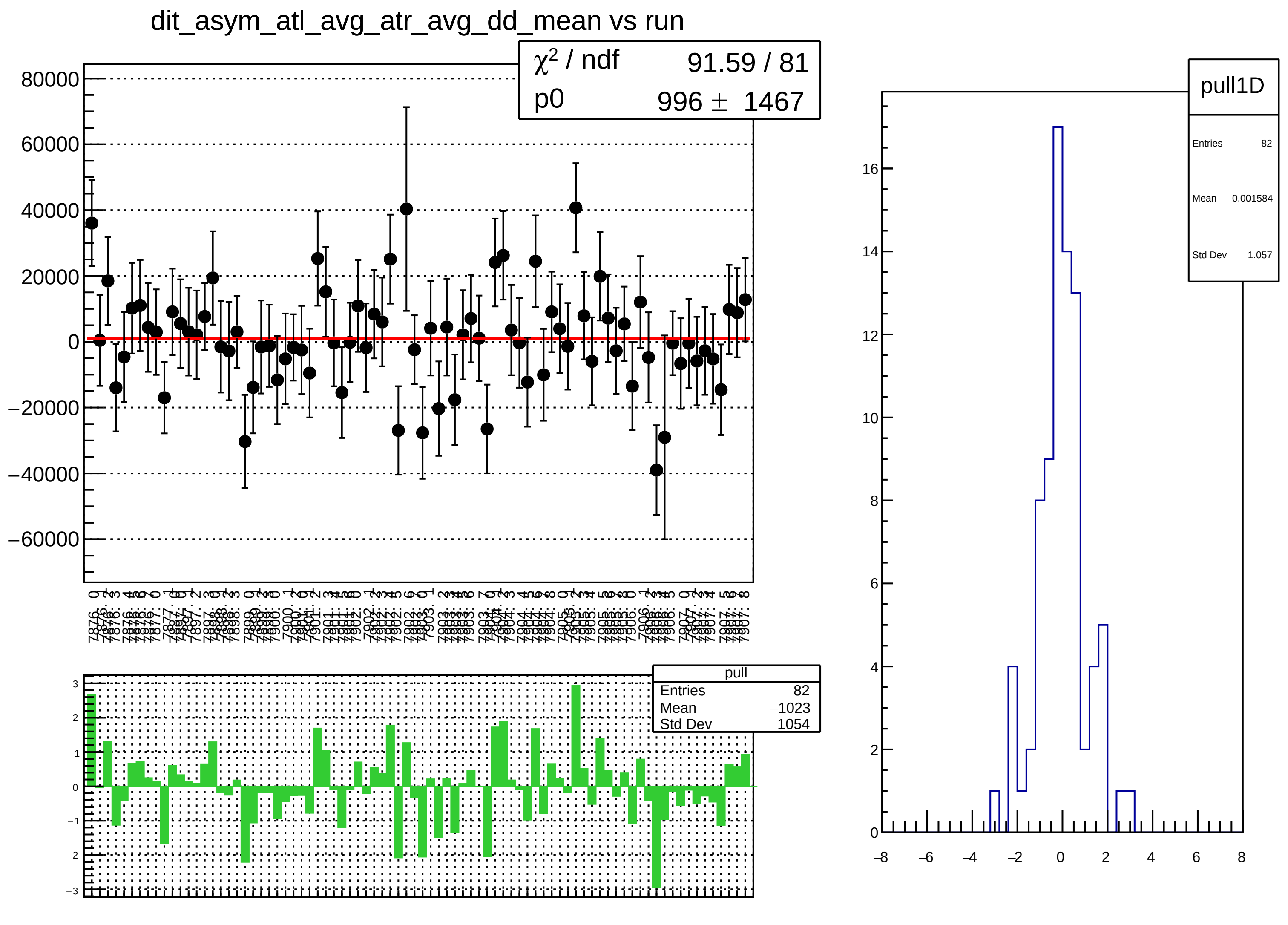

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 4.201e+04 / 81
p0 6957 ± 5.589
10000
9000
8000
7000
6000

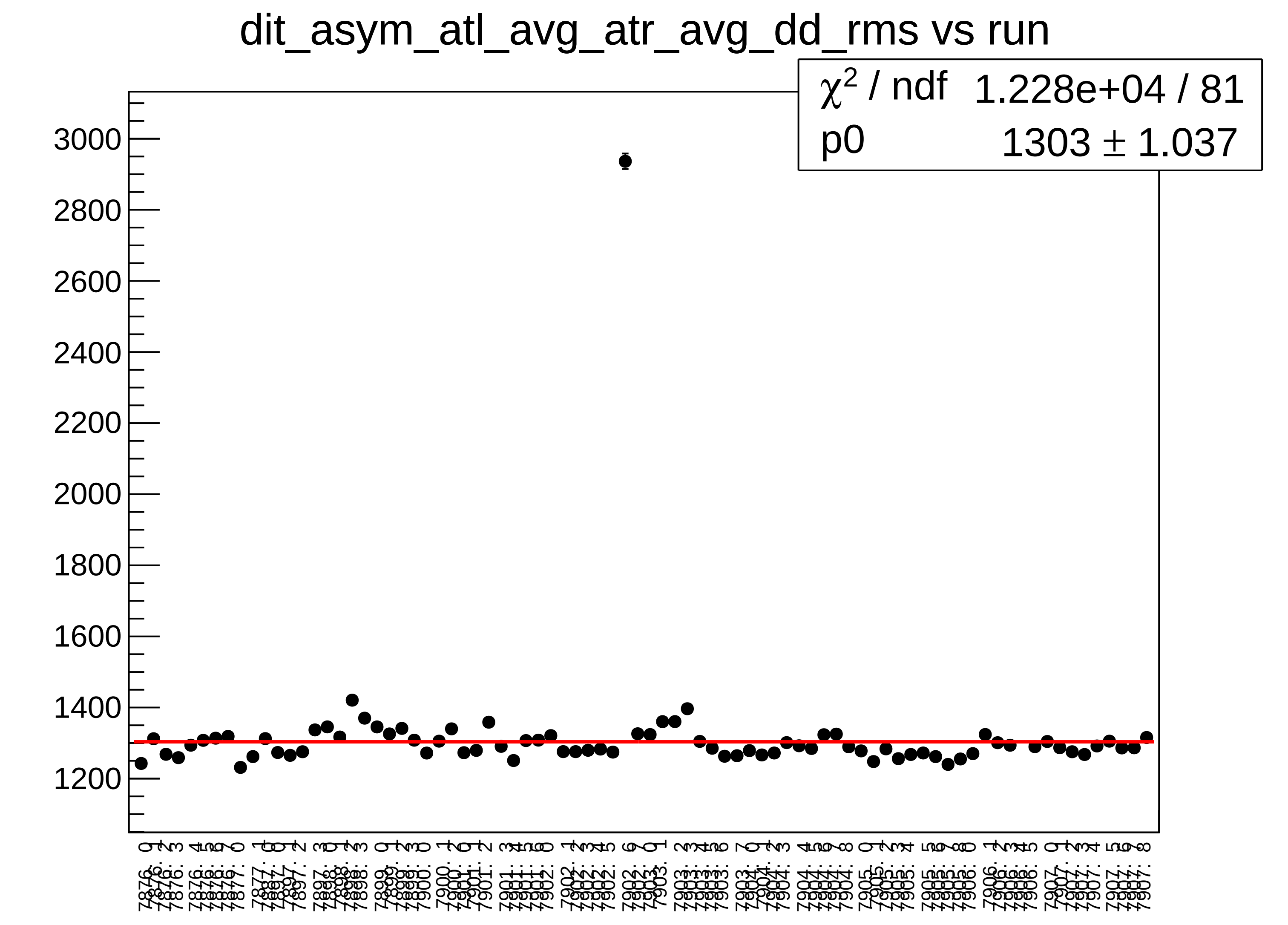


asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 71.58 / 81
p0 −9209 ± 8137
×10³
pull
Entries 82
Mean 21.41
Std Dev 14.49
pull1D
Entries 82
Mean −0.02265
Std Dev 0.934

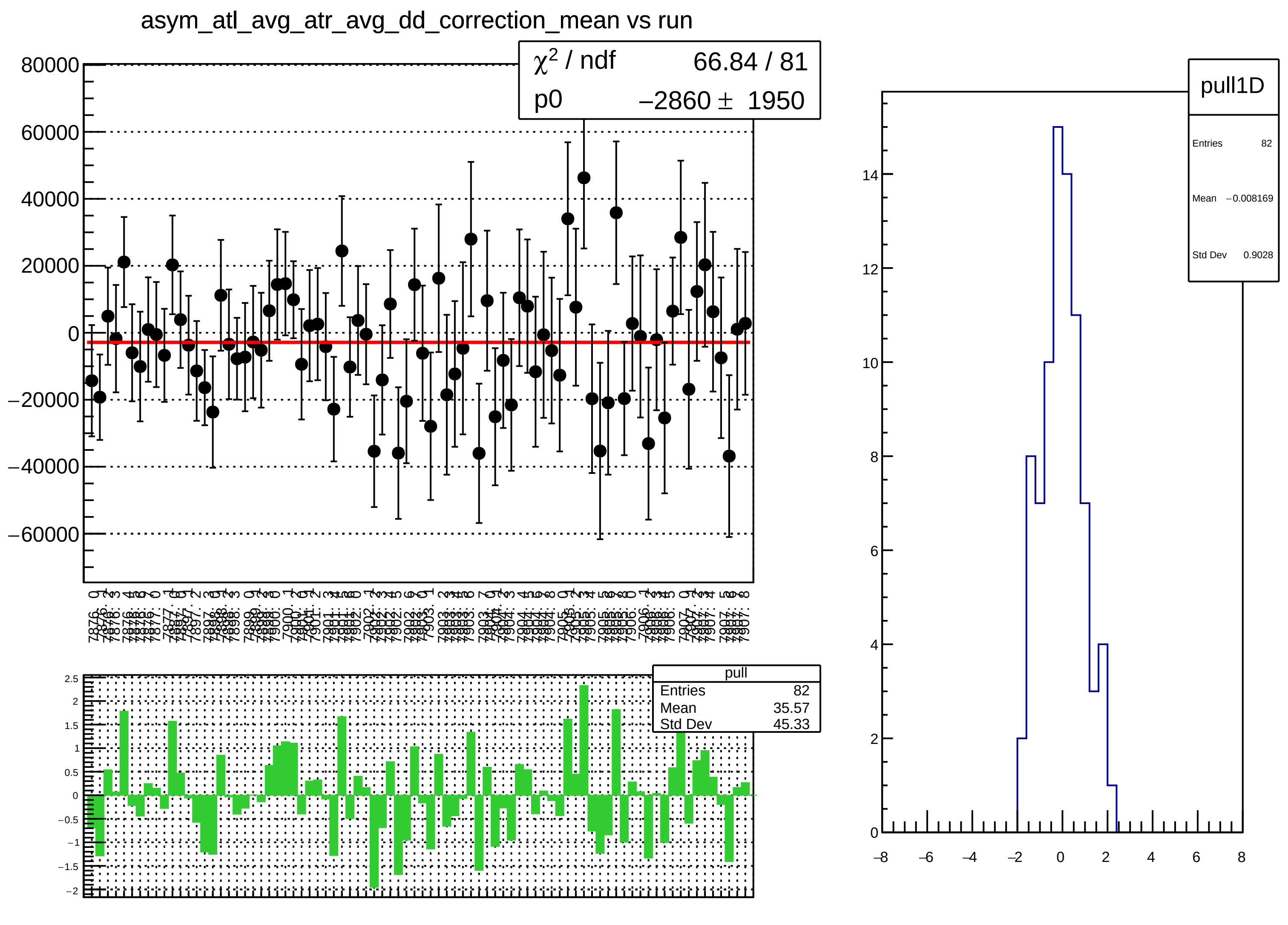


asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 4.025e+04 / 81
p0 7167 ± 5.754
11000
10000
9000
8000
7000
6000
5000

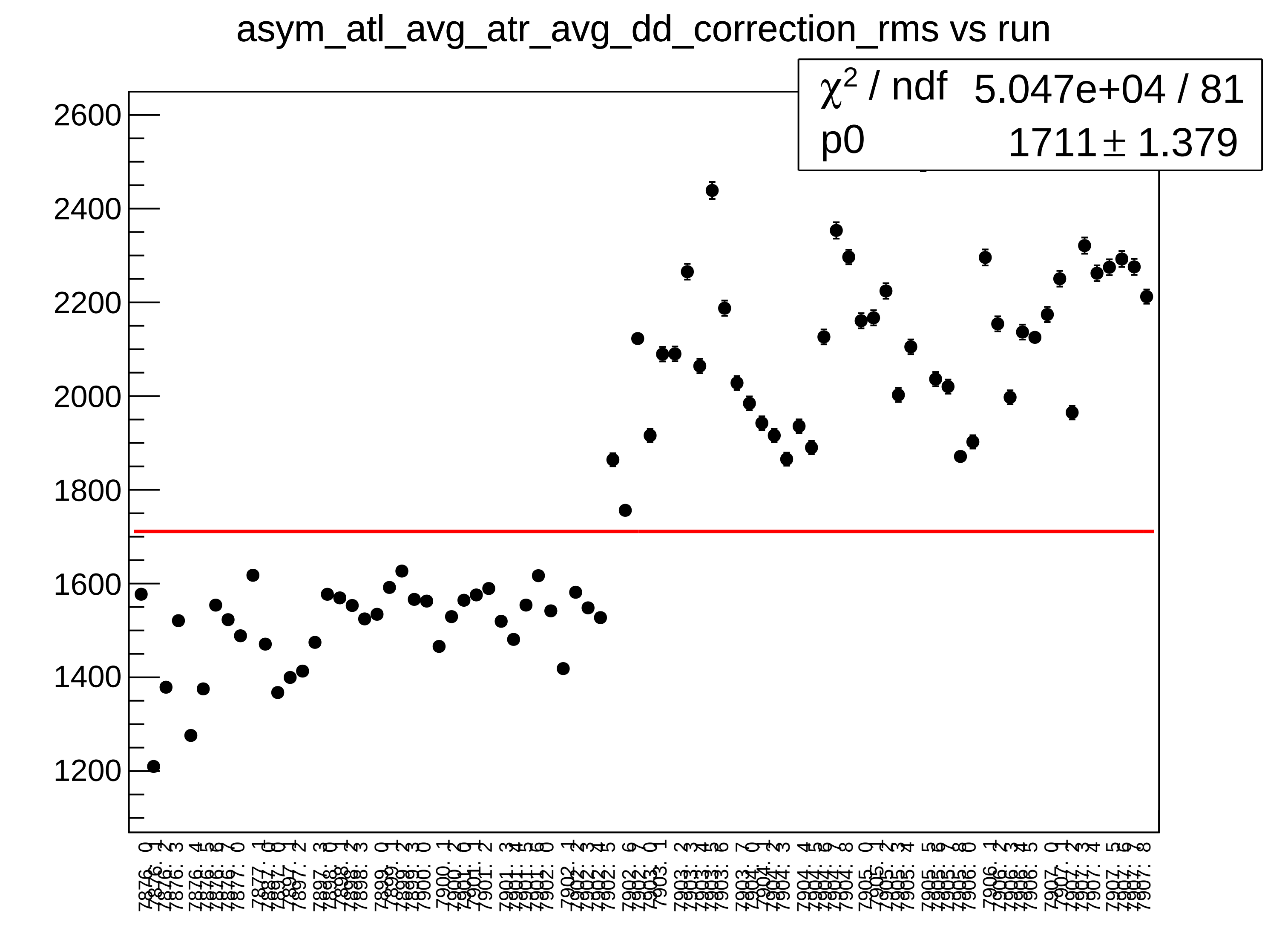

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 91.59 / 81
p0 996 ± 1467
pull
Entries 82
Mean −1023
Std Dev 1054
pull1D
Entries 82
Mean 0.001584
Std Dev 1.057

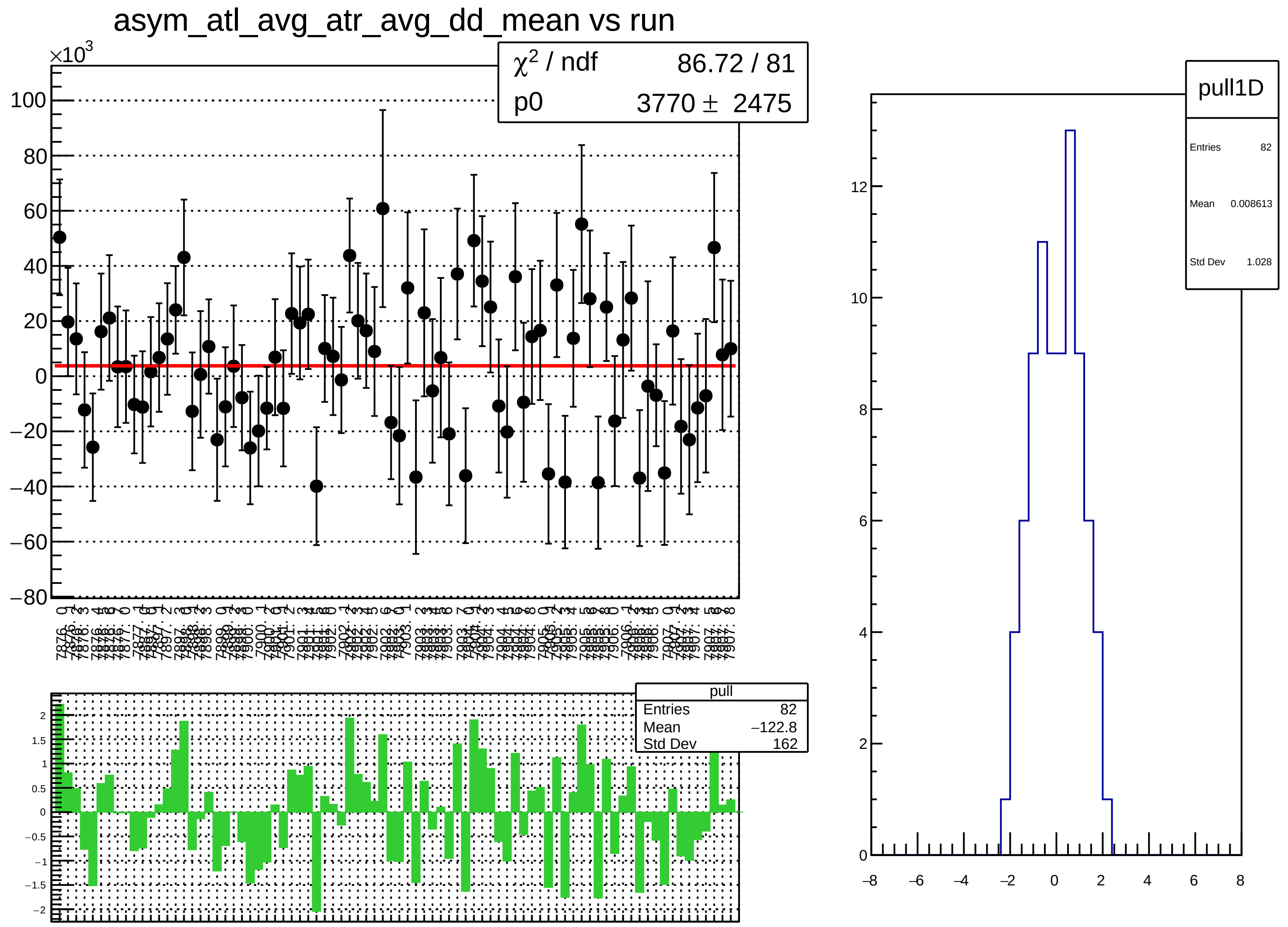


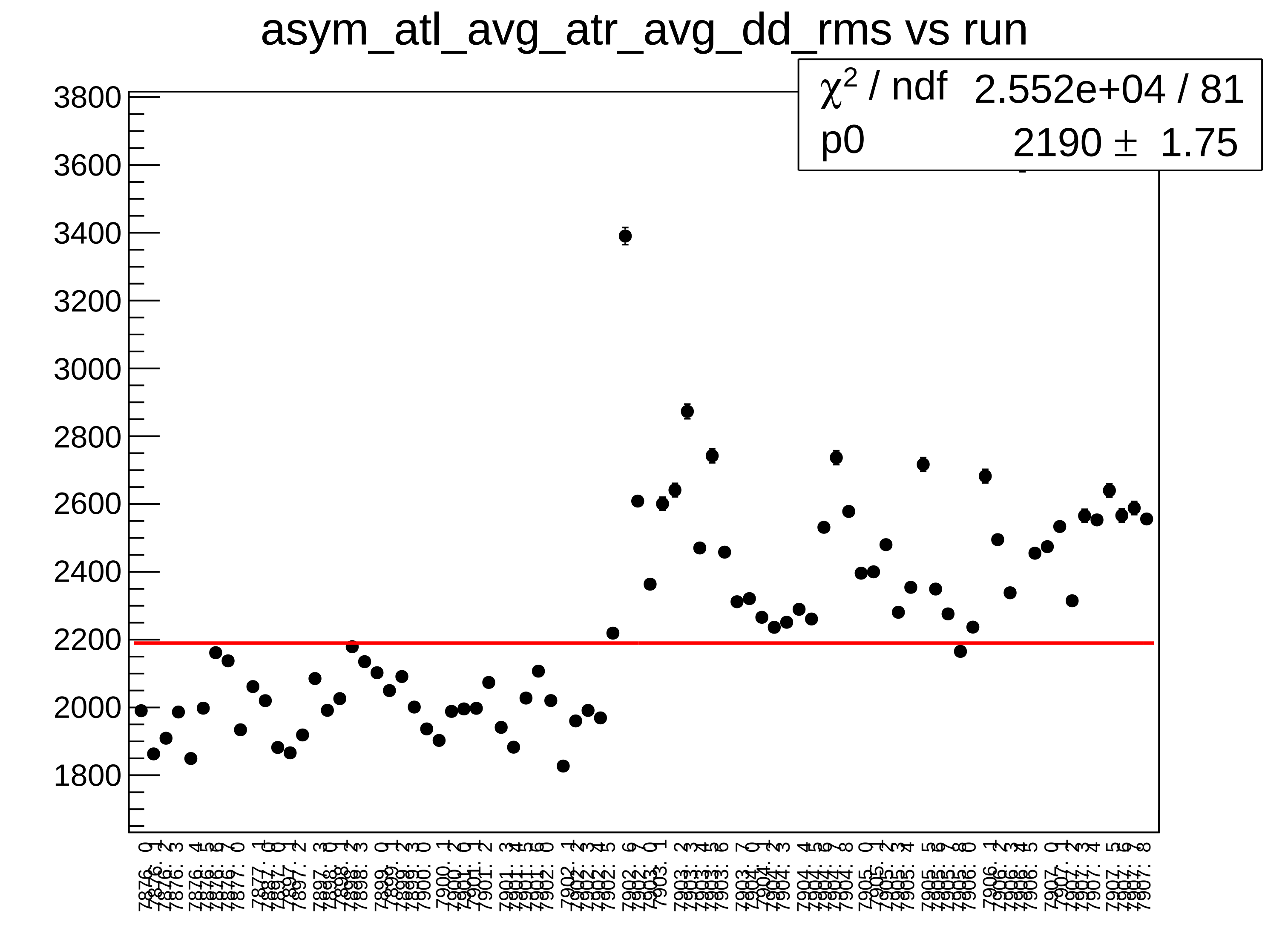
dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.228e+04 / 81
p0 1303 ± 1.037
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200



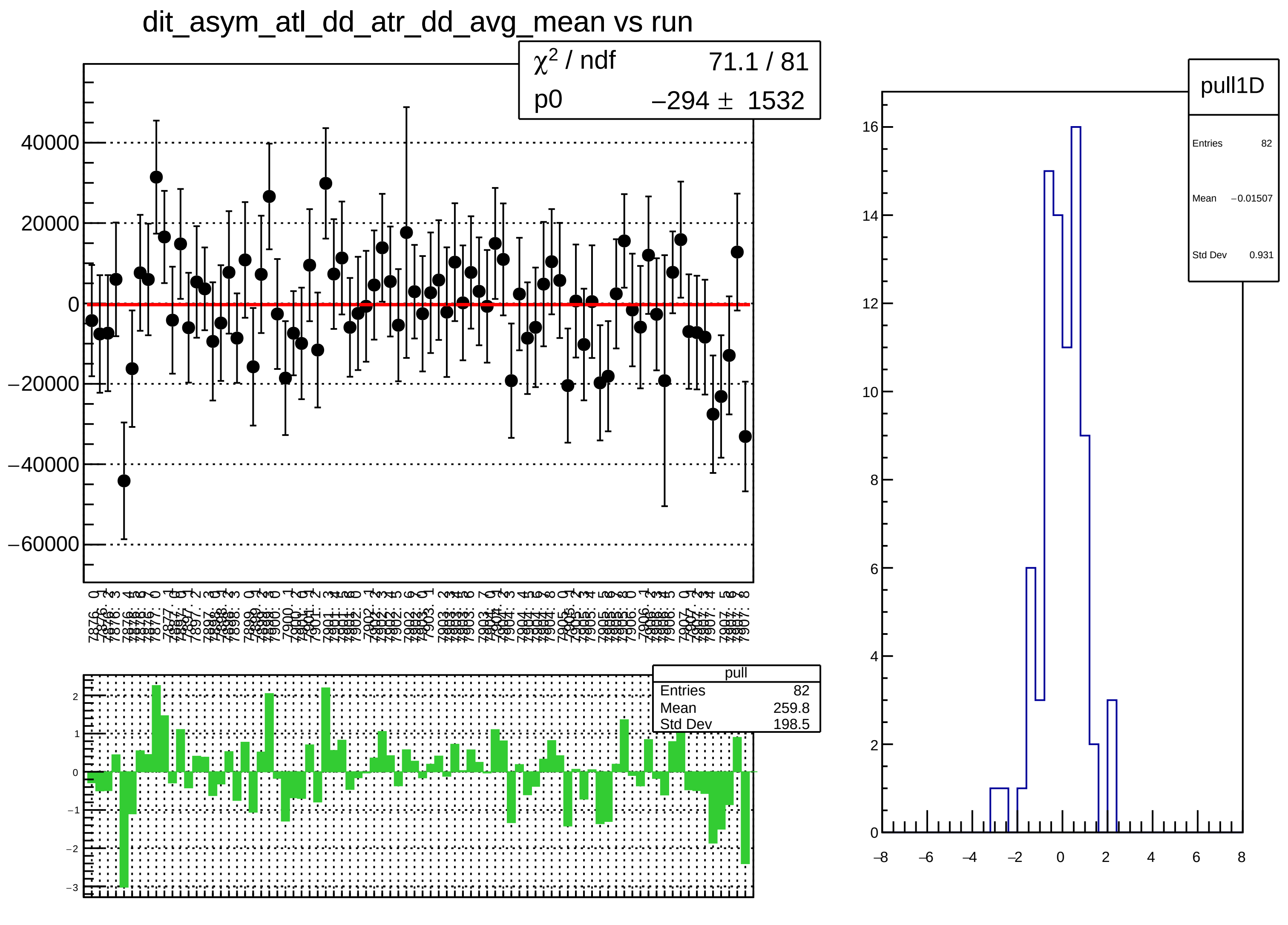
asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 66.84 / 81
p0 −2860 ± 1950
pull
Entries 82
Mean 35.57
Std Dev 45.33
pull1D
Entries 82
Mean −0.008169
Std Dev 0.9028


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ2 / ndf 5.047e+04 / 81
p0 1711 ± 1.379
2600
2400
2200
2000
1800
1600
1400
1200

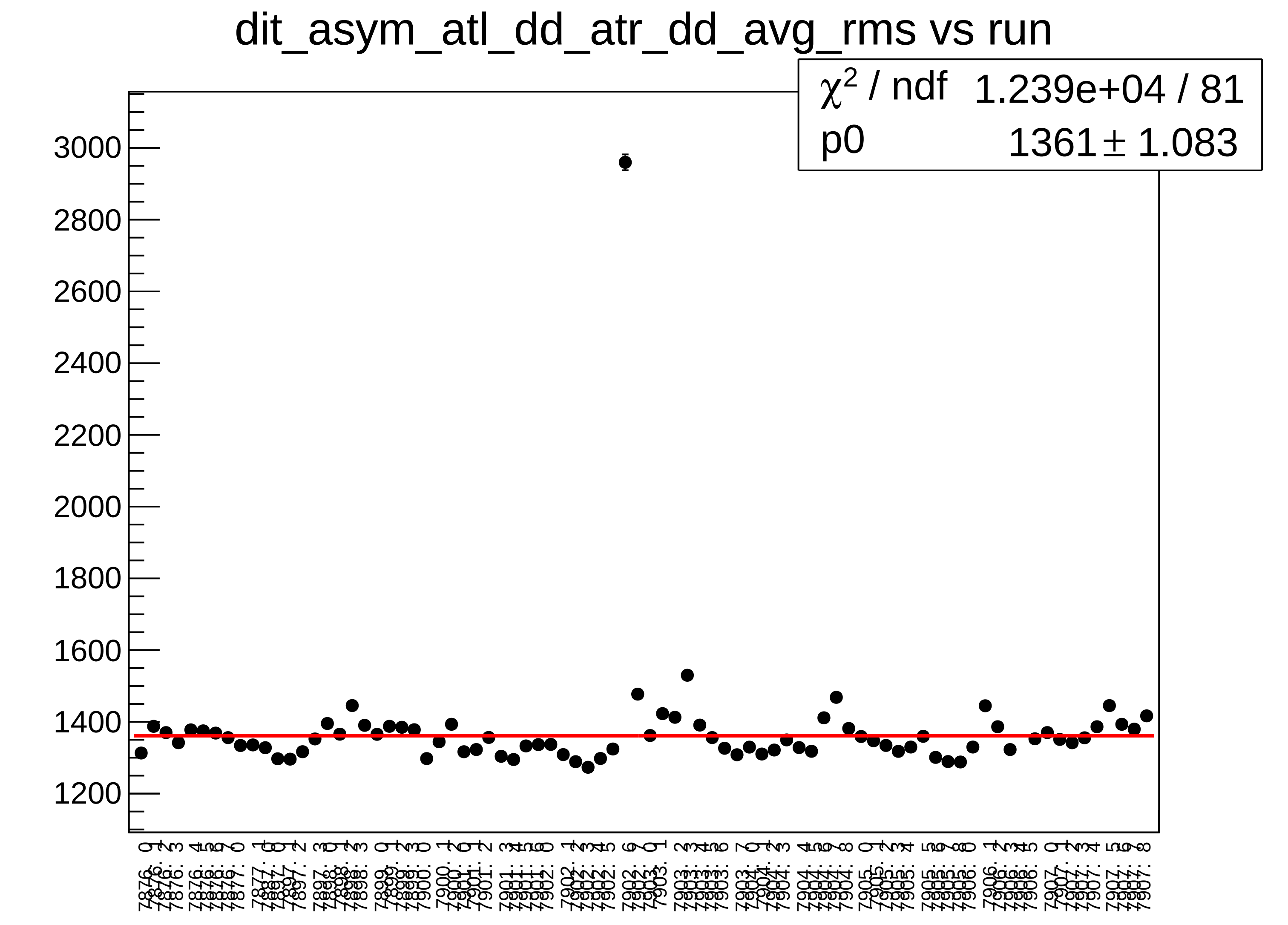

asym_atl_avg_atr_avg_dd_mean vs run
$\times10^3$
χ^2 / ndf 86.72 / 81
p0 3770 ± 2475
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 82
Mean −122.8
Std Dev 162
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.008613
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



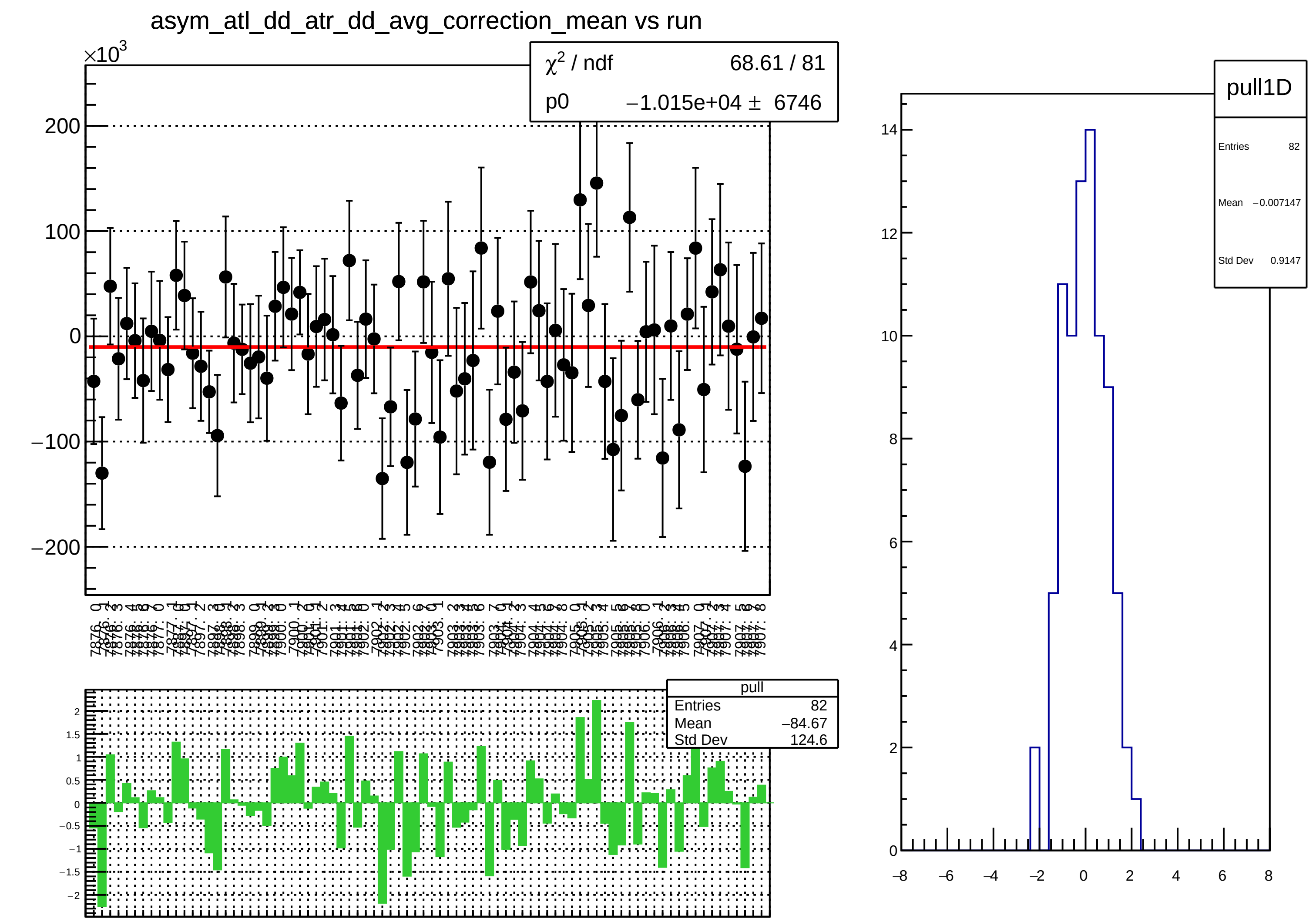
asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 2.552e+04 / 81
p0 2190 ± 1.75
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

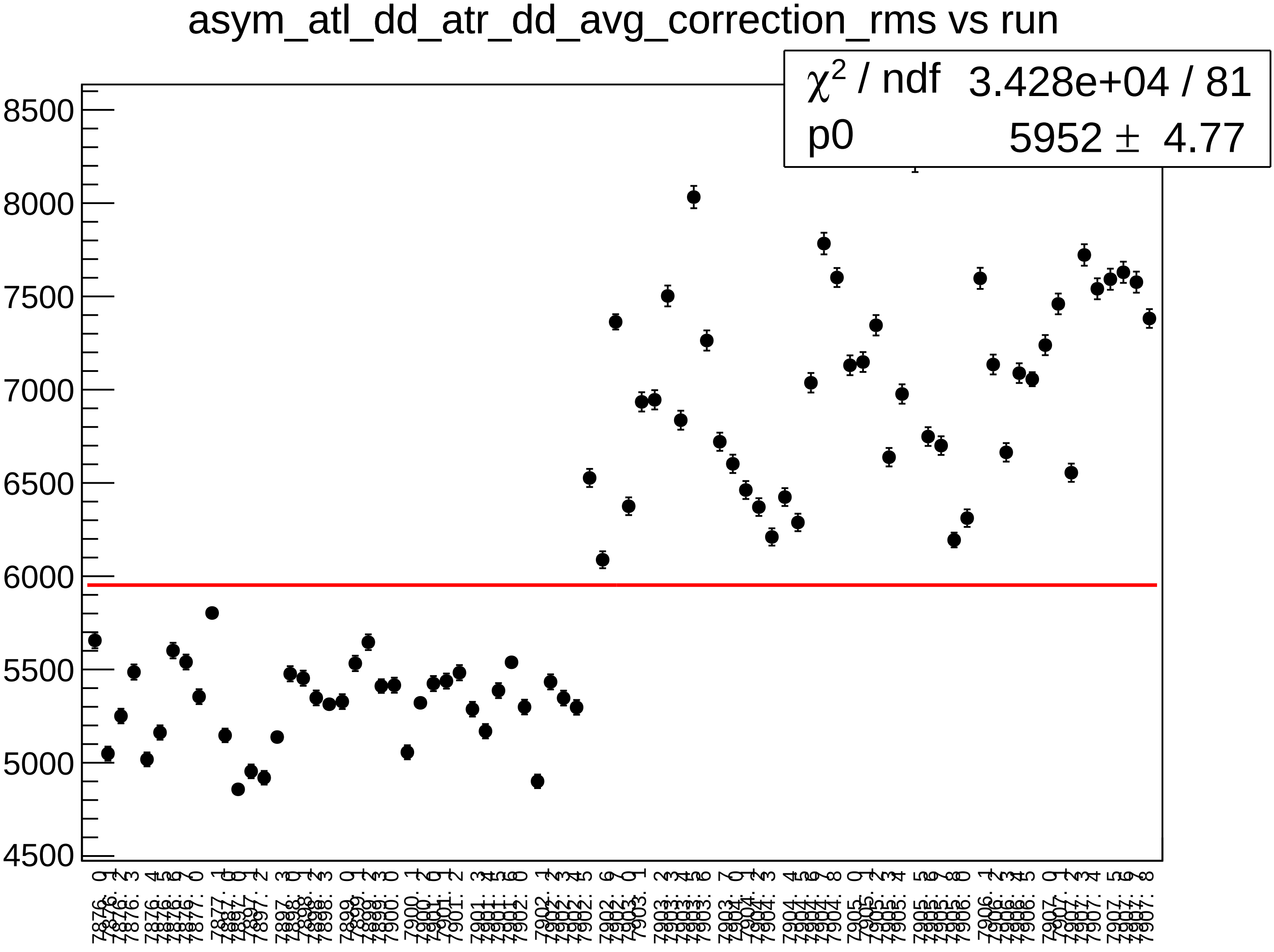


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 71.1 / 81
p0 −294 ± 1532
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 259.8
Std Dev 198.5
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01507
Std Dev 0.931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

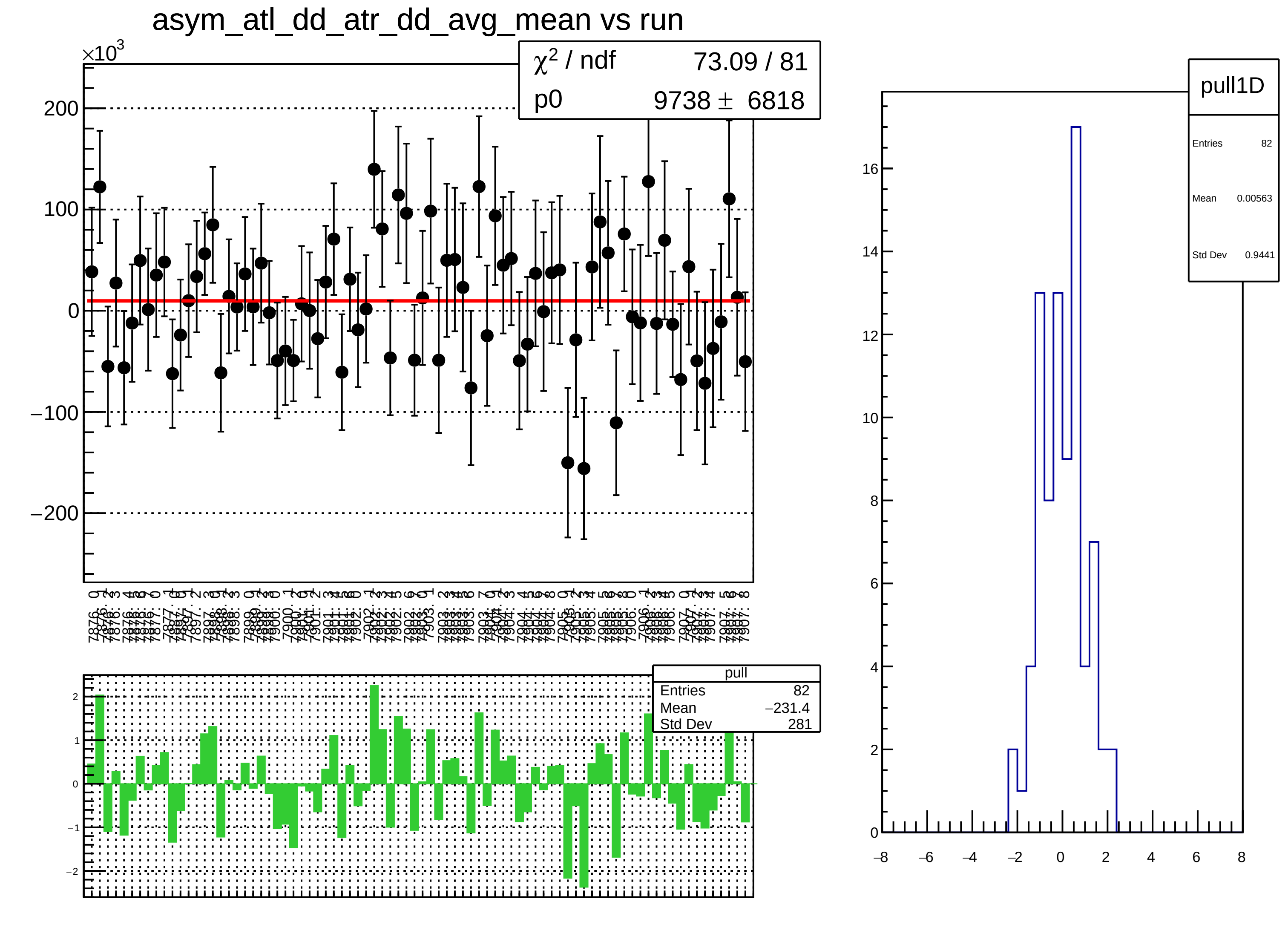


dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 1.239e+04 / 81
p0 1361 ± 1.083
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

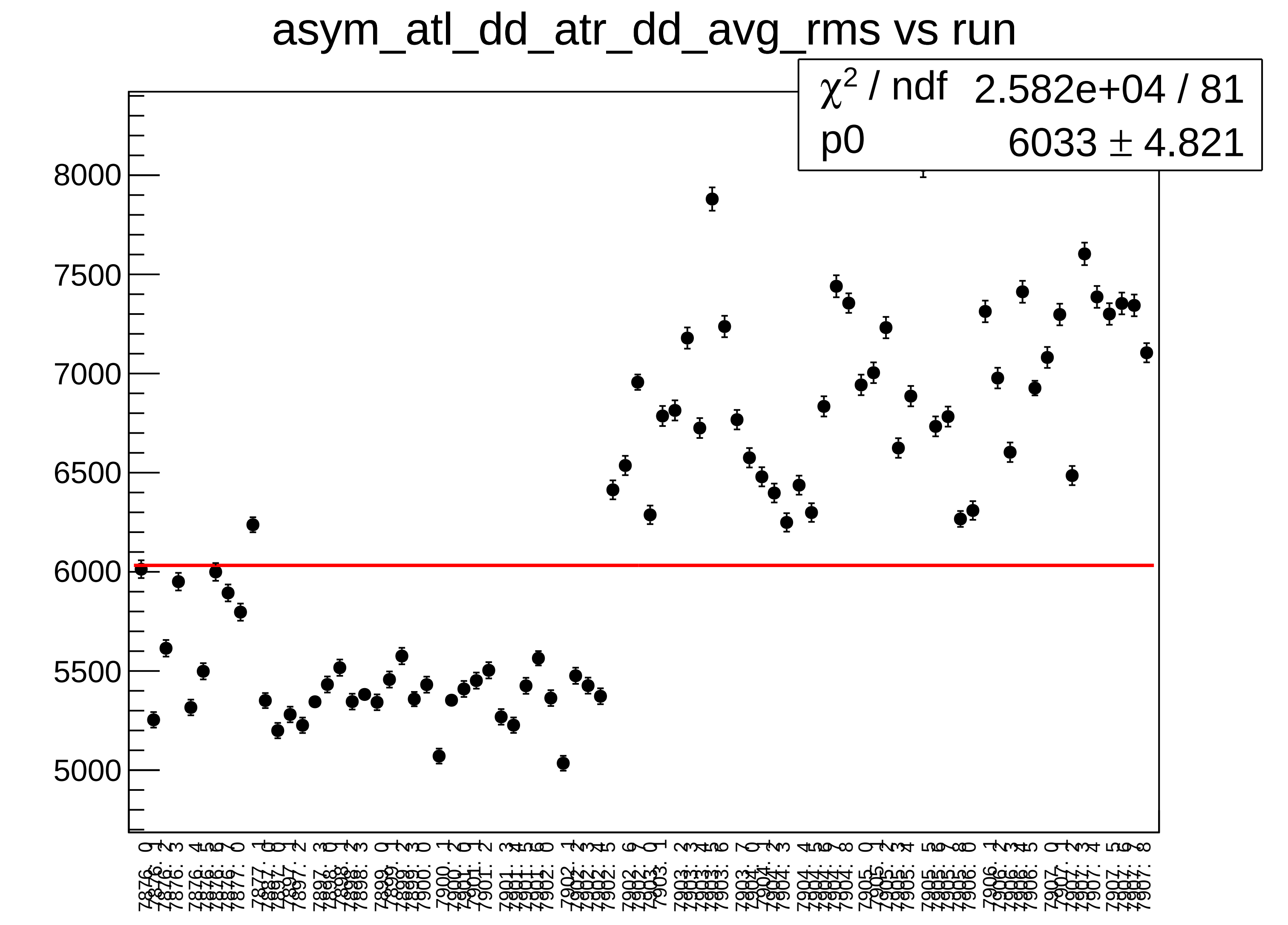

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 68.61 / 81
p0 −1.015e+04 ± 6746
200
100
0
−100
−200
pull
Entries 82
Mean −84.67
Std Dev 124.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.007147
Std Dev 0.9147
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



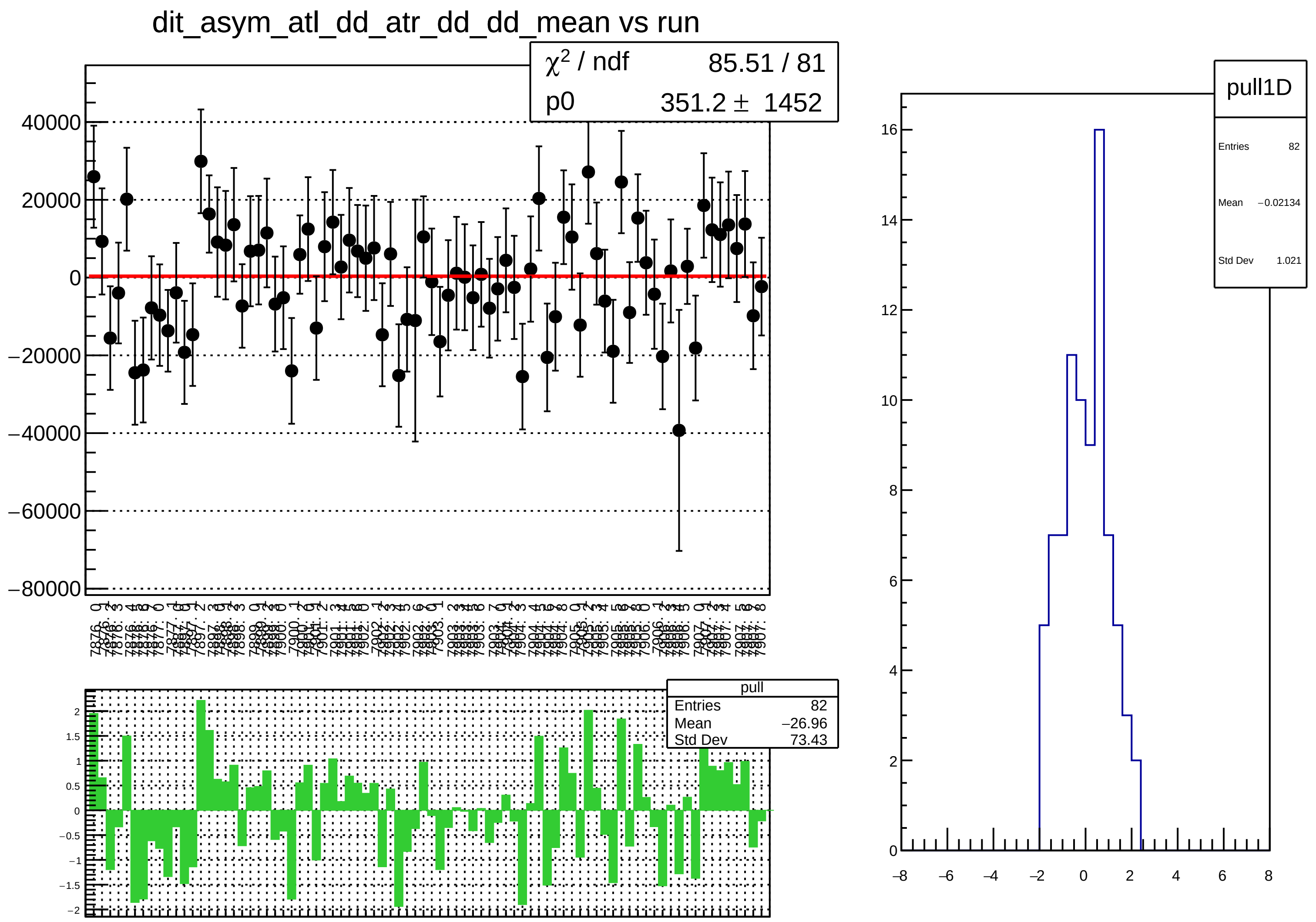
asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 3.428e+04 / 81
p0 5952 ± 4.77
8500
8000
7500
7000
6500
6000
5500
5000
4500



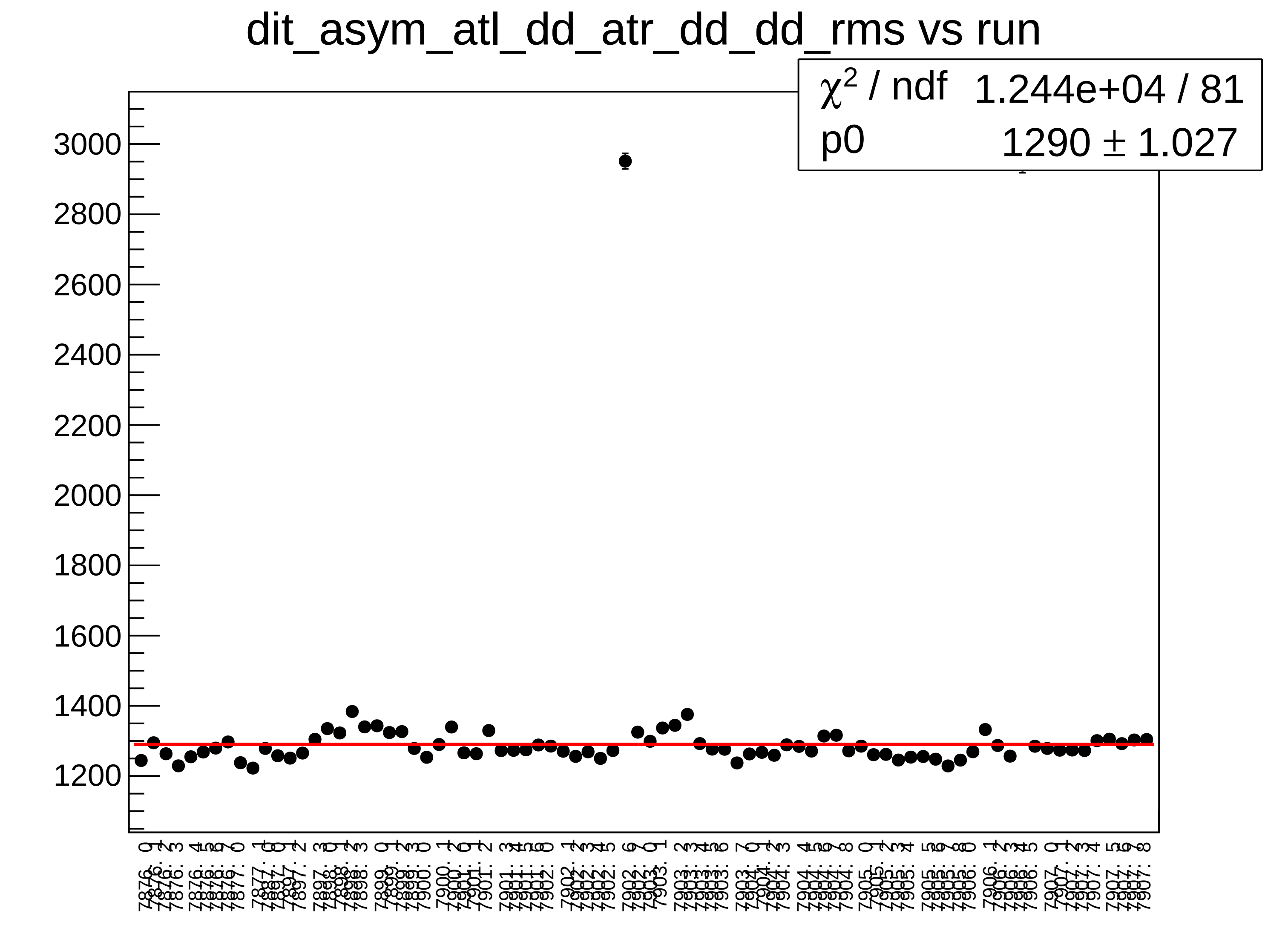
asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 73.09 / 81
p0 9738 ± 6818
pull
Entries 82
Mean −231.4
Std Dev 281
pull1D
Entries 82
Mean 0.00563
Std Dev 0.9441



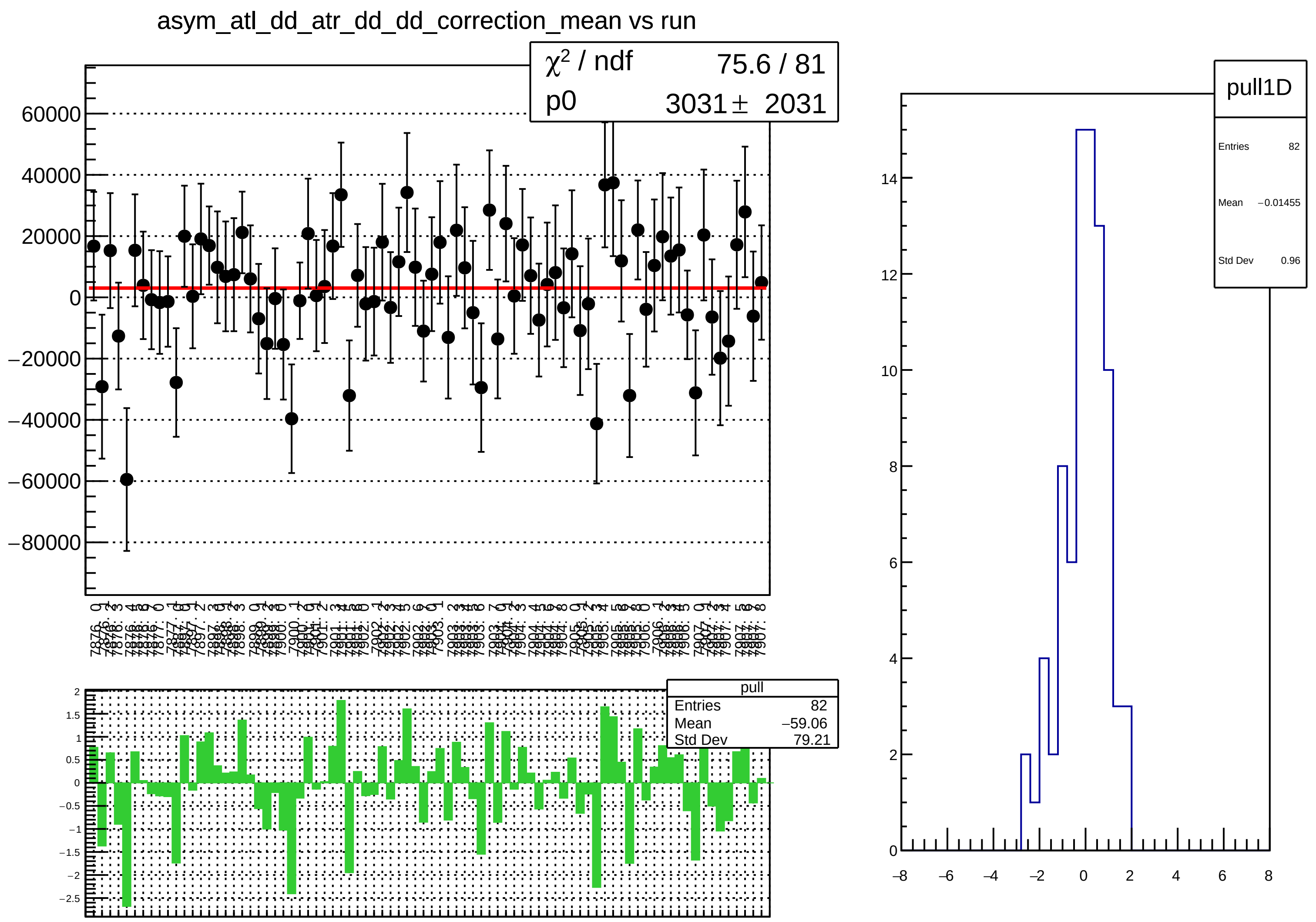
asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2.582e+04 / 81
p0 6033 ± 4.821
8000
7500
7000
6500
6000
5500
5000

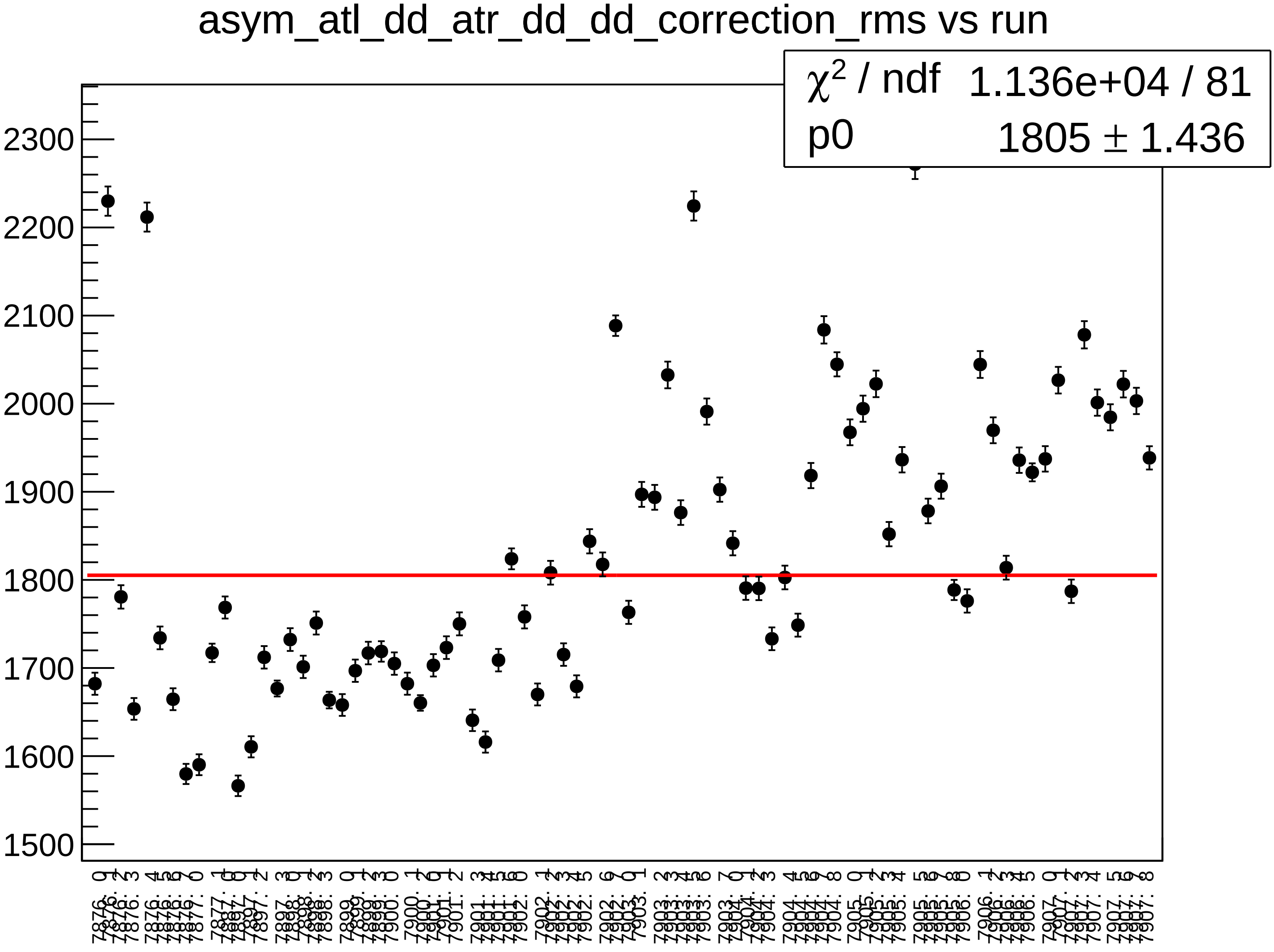


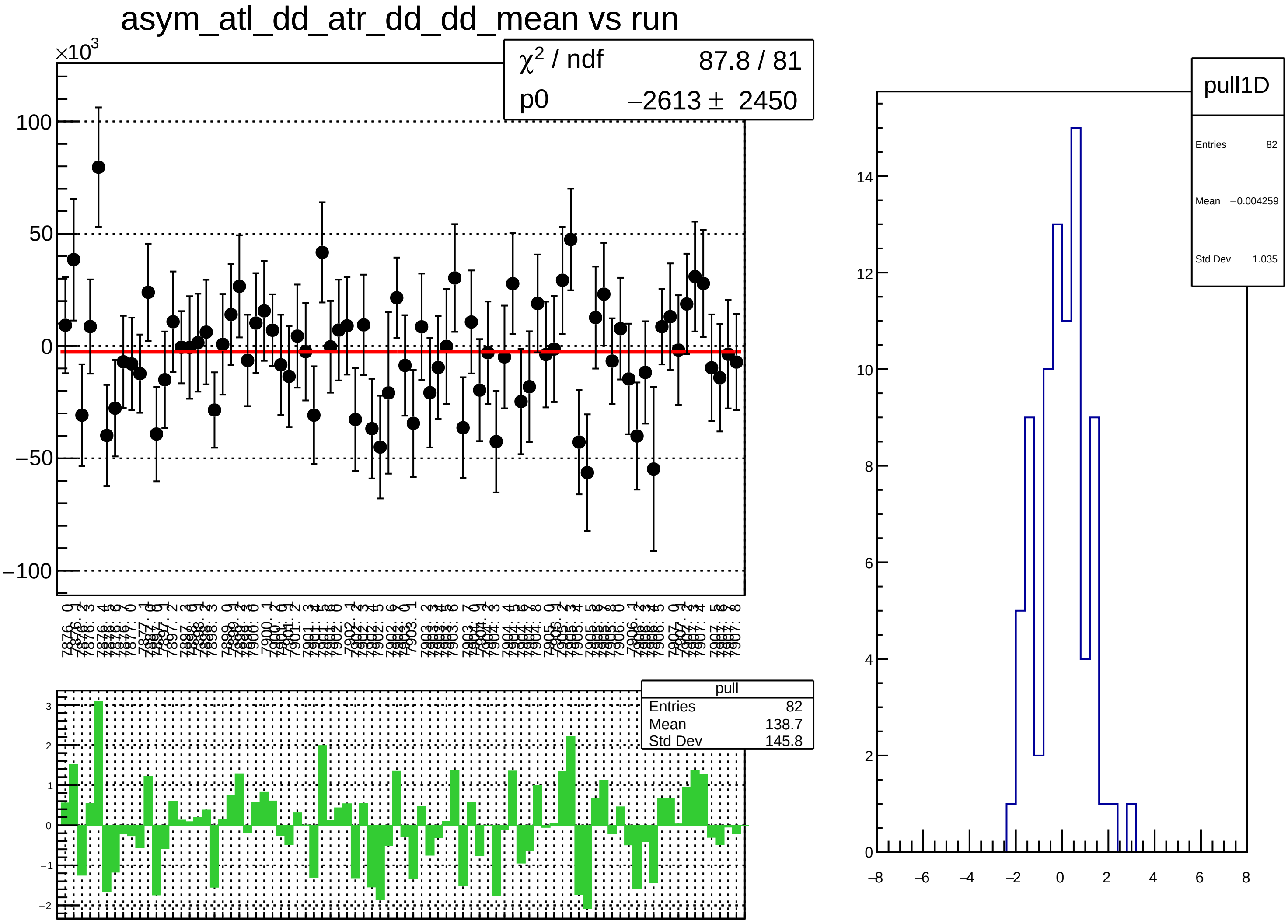
dit_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 85.51 / 81
p0 351.2 ± 1452
pull
Entries 82
Mean −26.96
Std Dev 73.43
pull1D
Entries 82
Mean −0.02134
Std Dev 1.021



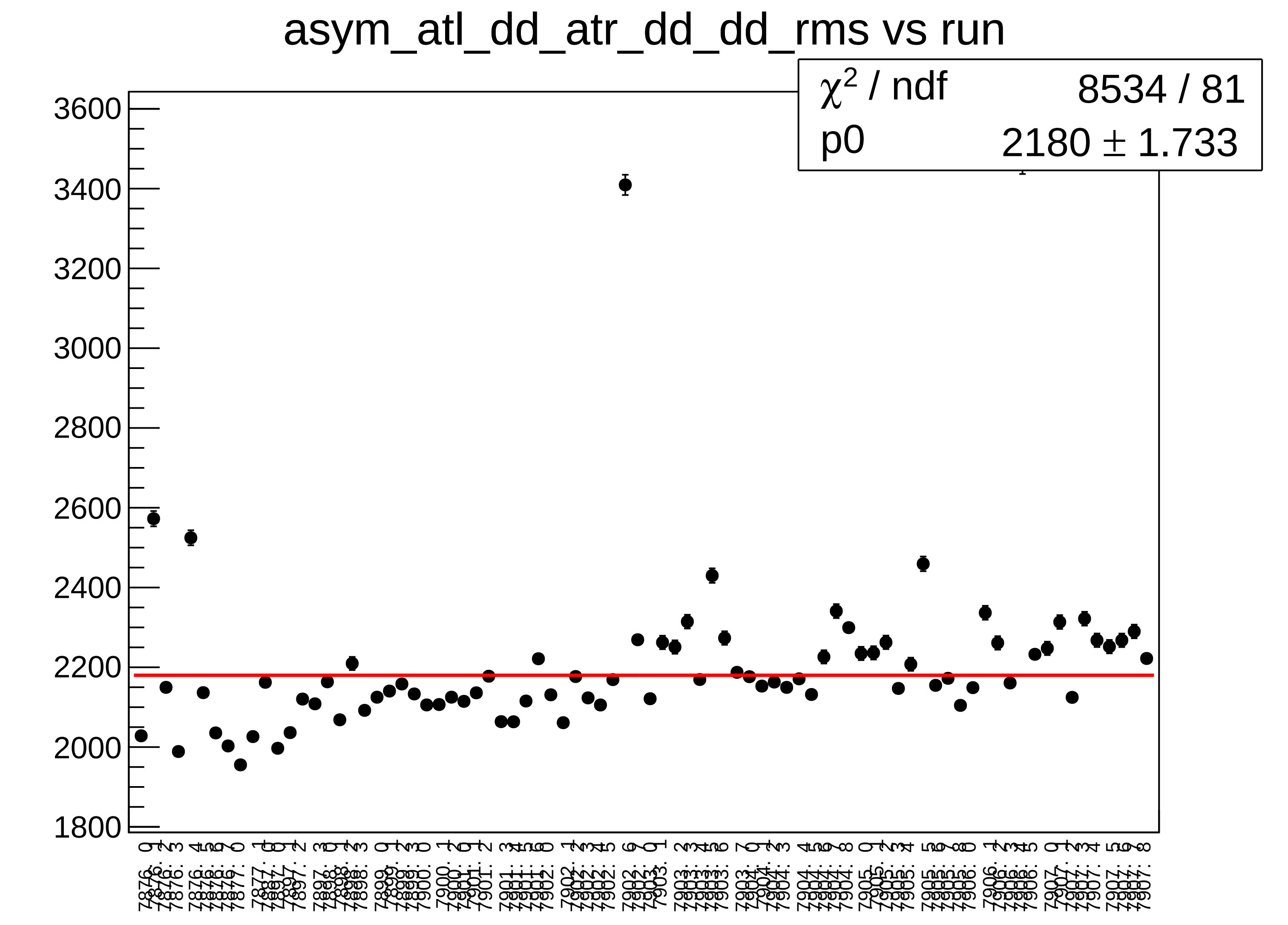
dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.244e+04 / 81
p0 1290 ± 1.027
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200


asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 75.6 / 81
p0 3031 ± 2031
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −59.06
Std Dev 79.21
pull1D
Entries 82
Mean −0.01455
Std Dev 0.96

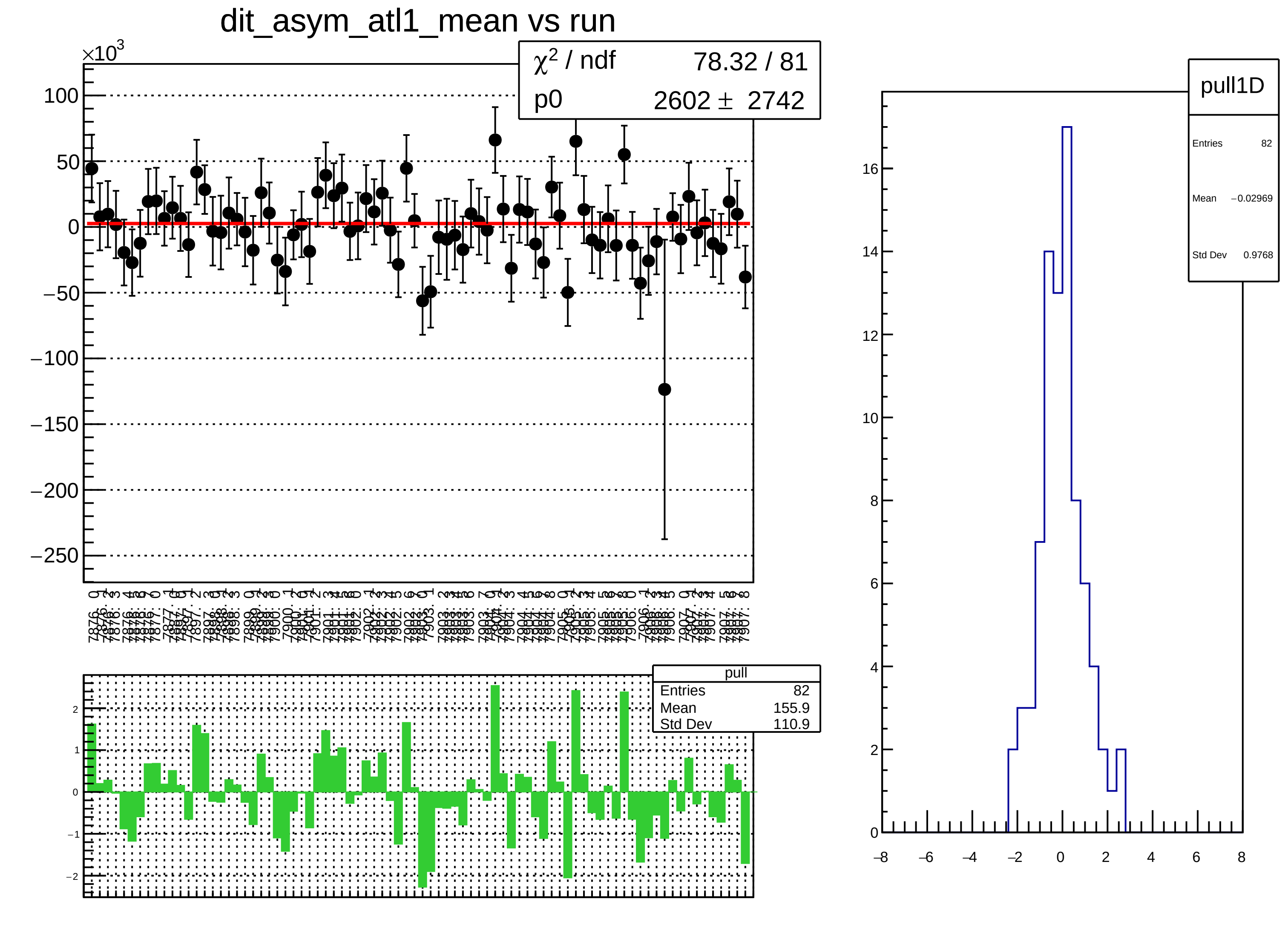

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 1.136e+04 / 81
p0 1805 ± 1.436
2300
2200
2100
2000
1900
1800
1700
1600
1500

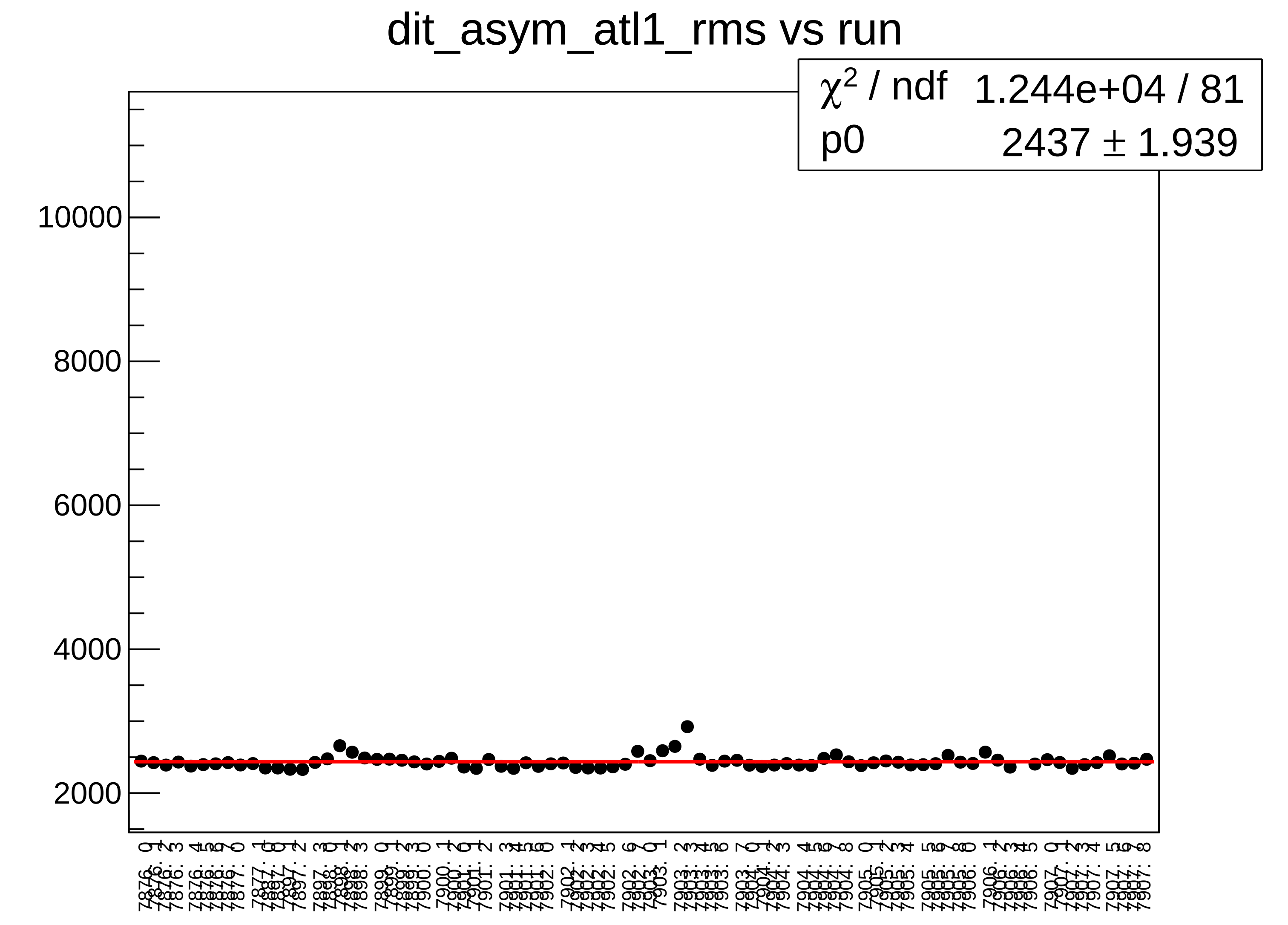


asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ2 / ndf 87.8 / 81
p0 −2613 ± 2450
pull
Entries 82
Mean 138.7
Std Dev 145.8
pull1D
Entries 82
Mean −0.004259
Std Dev 1.035

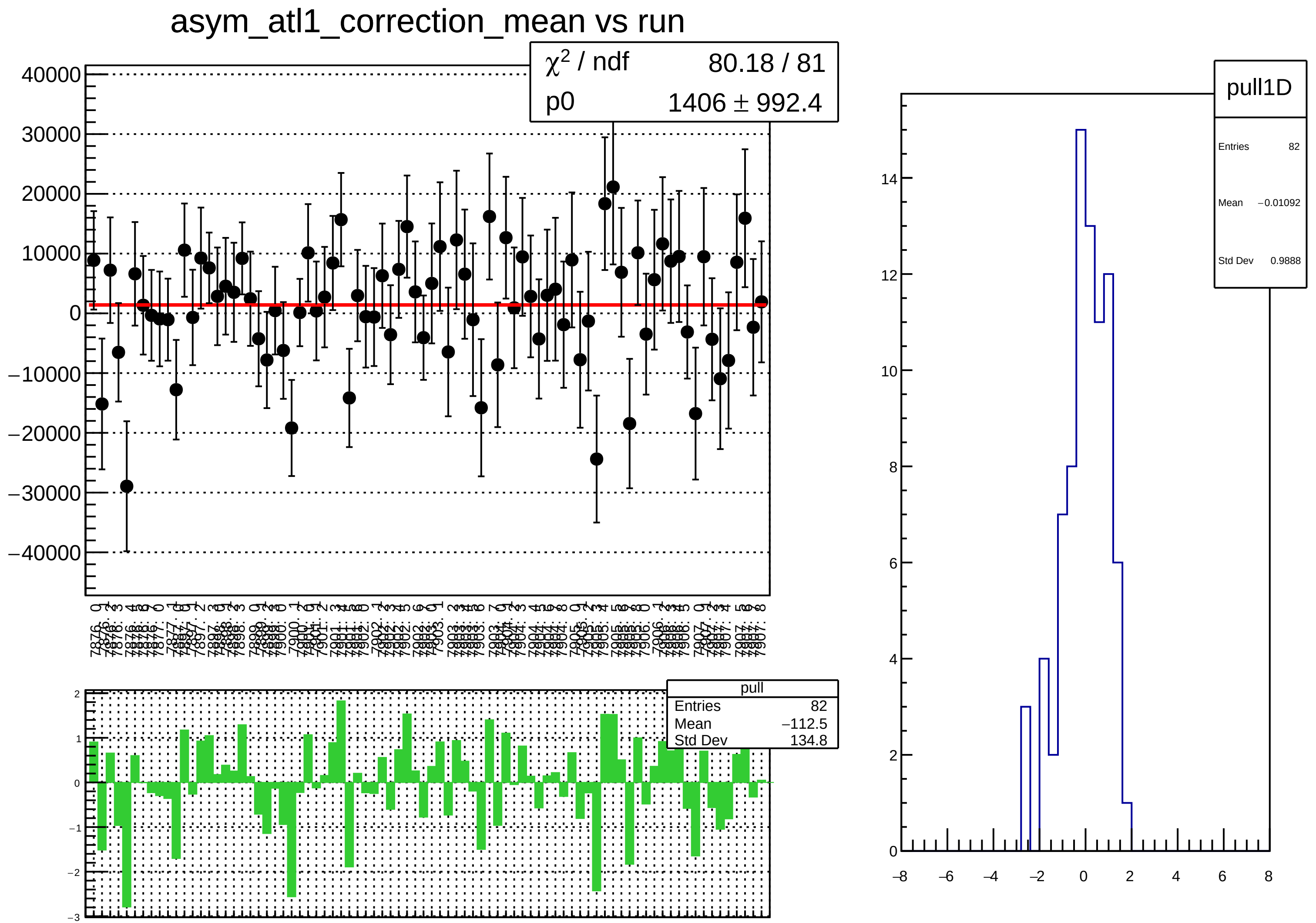


asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 8534 / 81
p0 2180 ± 1.733
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

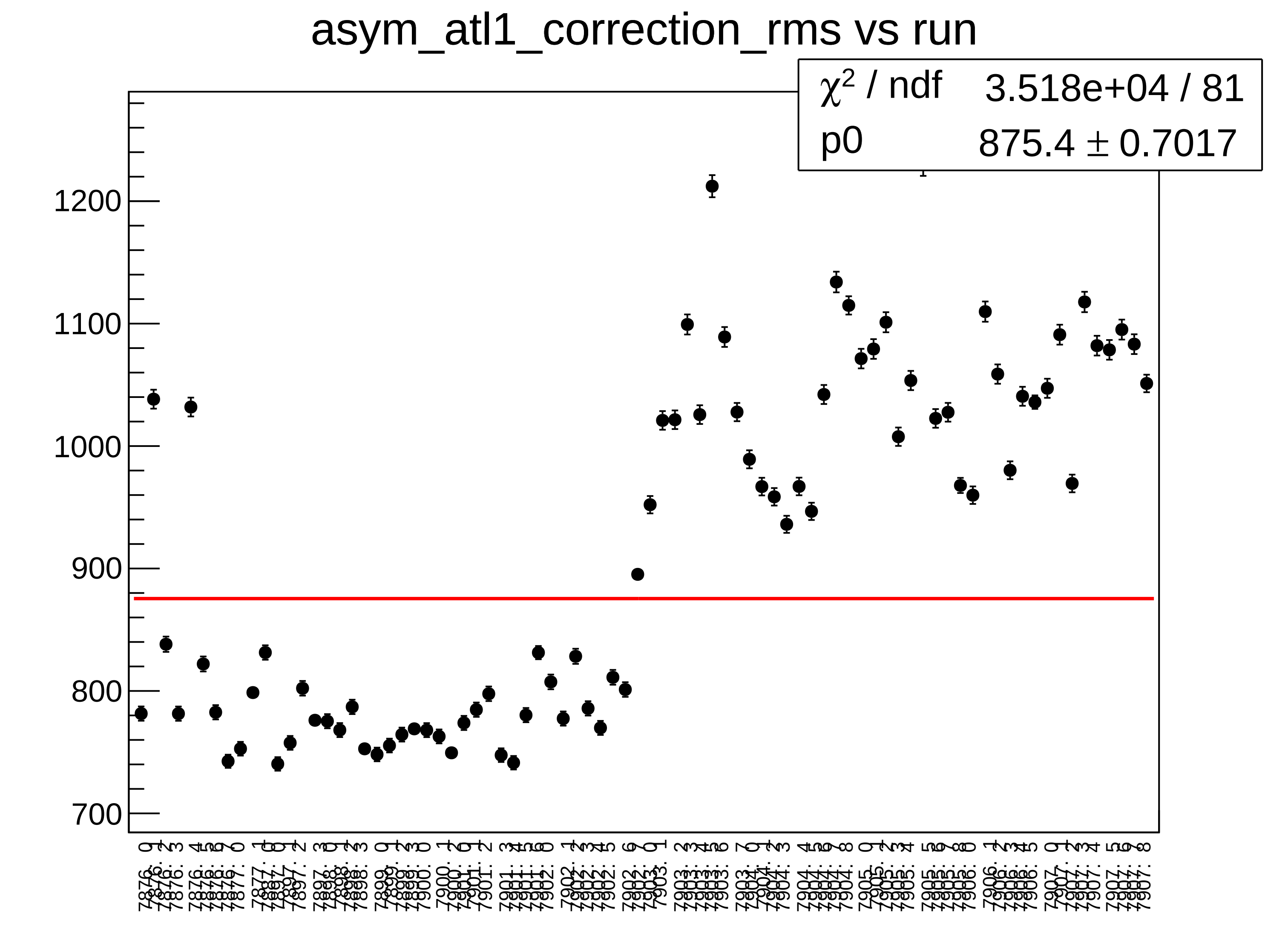

dit_asym_atl1_mean vs run
$\times 10^3$
χ^2 / ndf 78.32 / 81
p0 2602 ± 2742
pull
Entries 82
Mean 155.9
Std Dev 110.9
pull1D
Entries 82
Mean −0.02969
Std Dev 0.9768



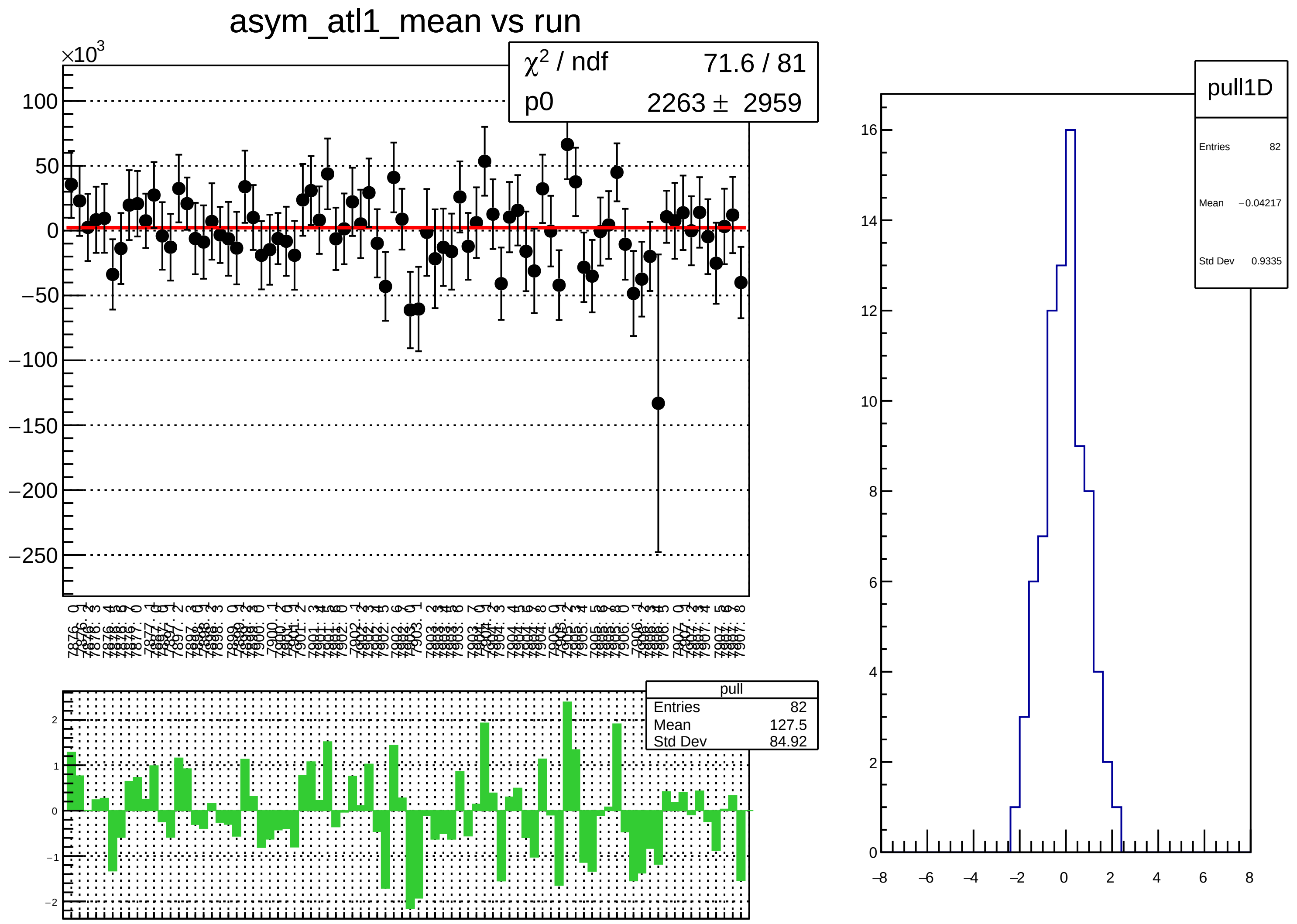
dit_asym_atl1_rms vs run
χ^2 / ndf 1.244e+04 / 81
p0 2437 ± 1.939
10000
8000
6000
4000
2000



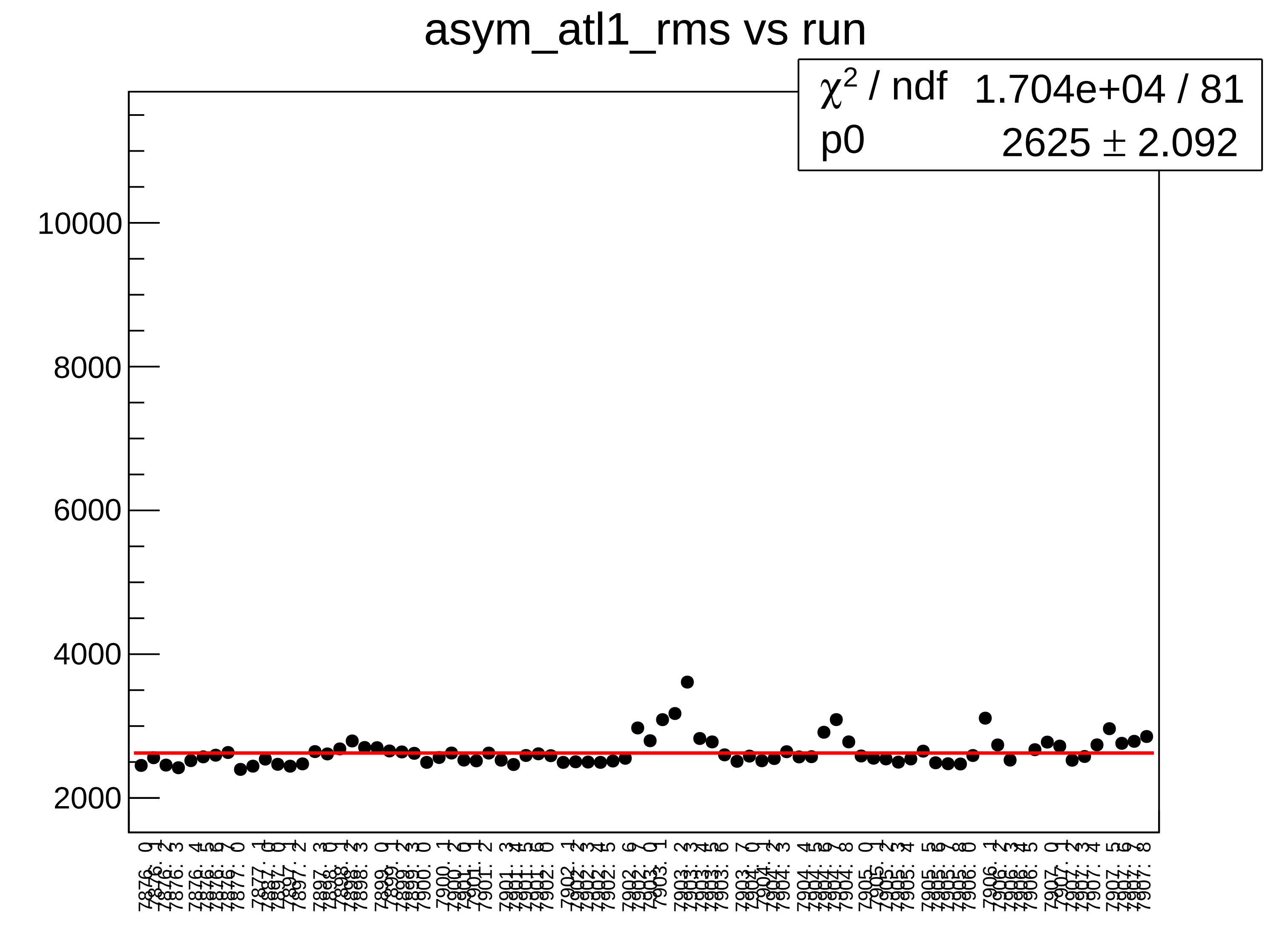
asym_atl1_correction_mean vs run
χ^2 / ndf 80.18 / 81
p0 1406 ± 992.4
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −112.5
Std Dev 134.8
pull1D
Entries 82
Mean −0.01092
Std Dev 0.9888
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



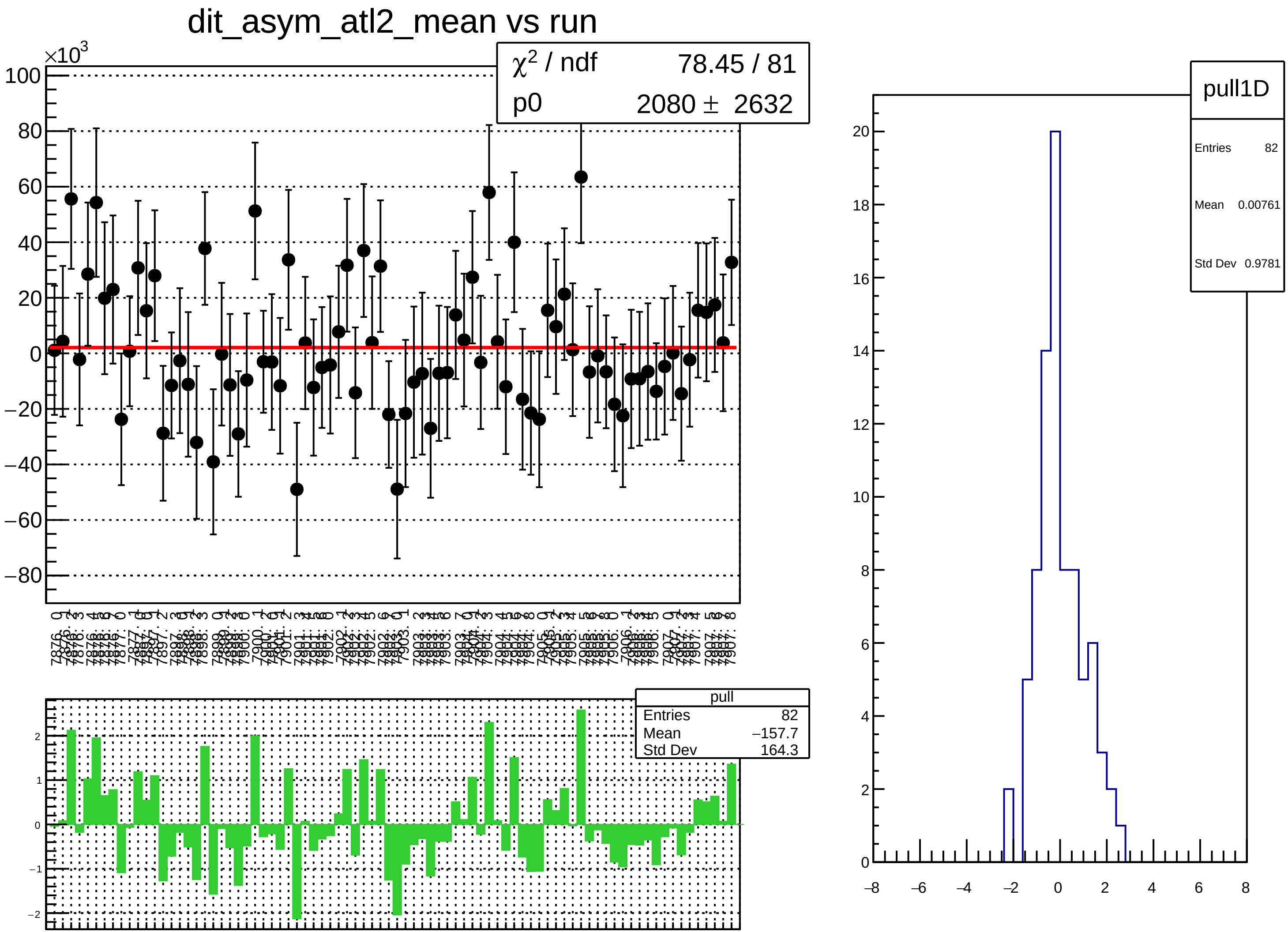
asym_atl1_correction_rms vs run
χ^2 / ndf 3.518e+04 / 81
p0 875.4 ± 0.7017
1200
1100
1000
900
800
700



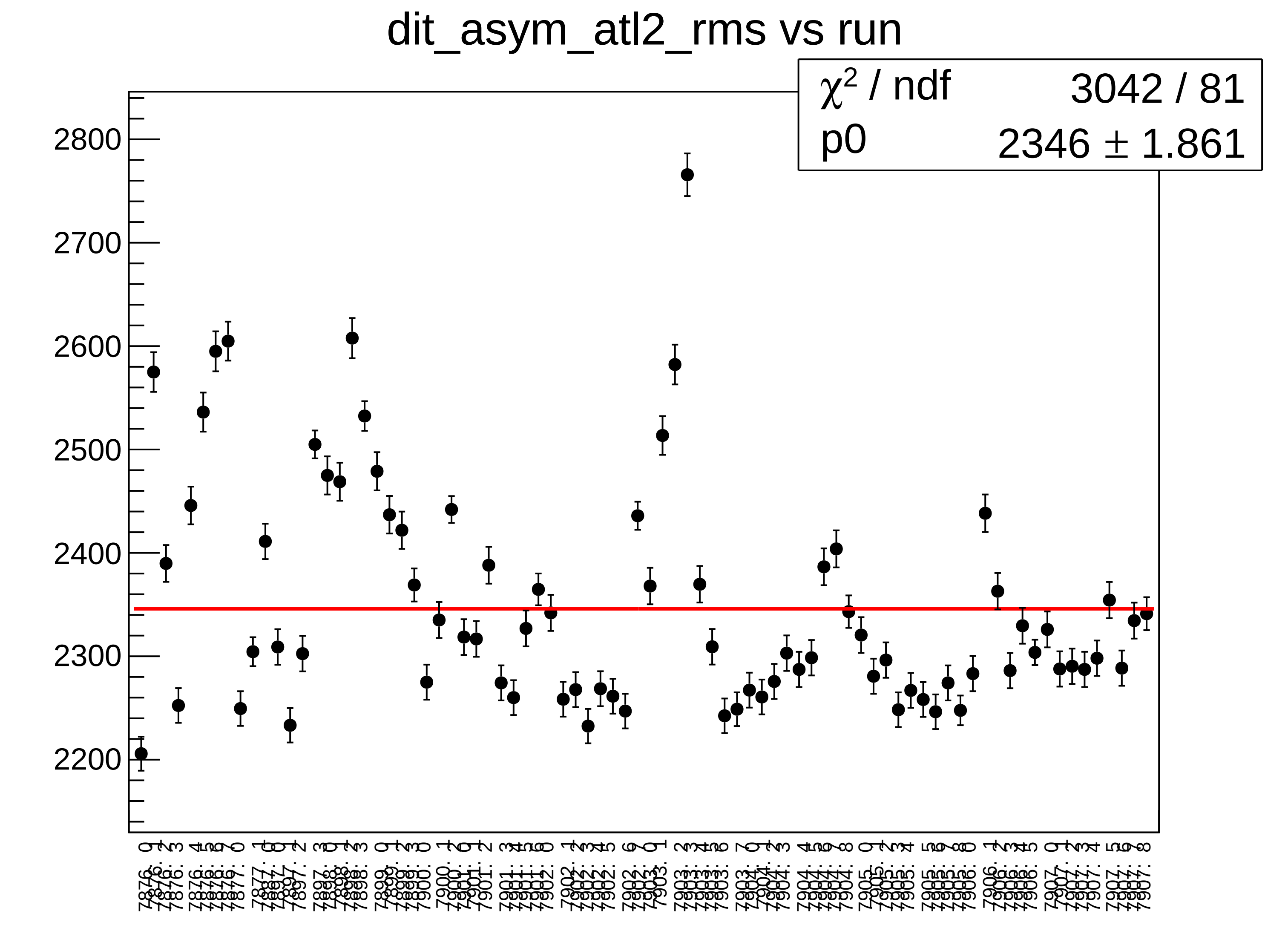
asym_atl1_mean vs run
$\times 10^3$
χ^2 / ndf 71.6 / 81
p0 2263 ± 2959
pull
Entries 82
Mean 127.5
Std Dev 84.92
pull1D
Entries 82
Mean −0.04217
Std Dev 0.9335

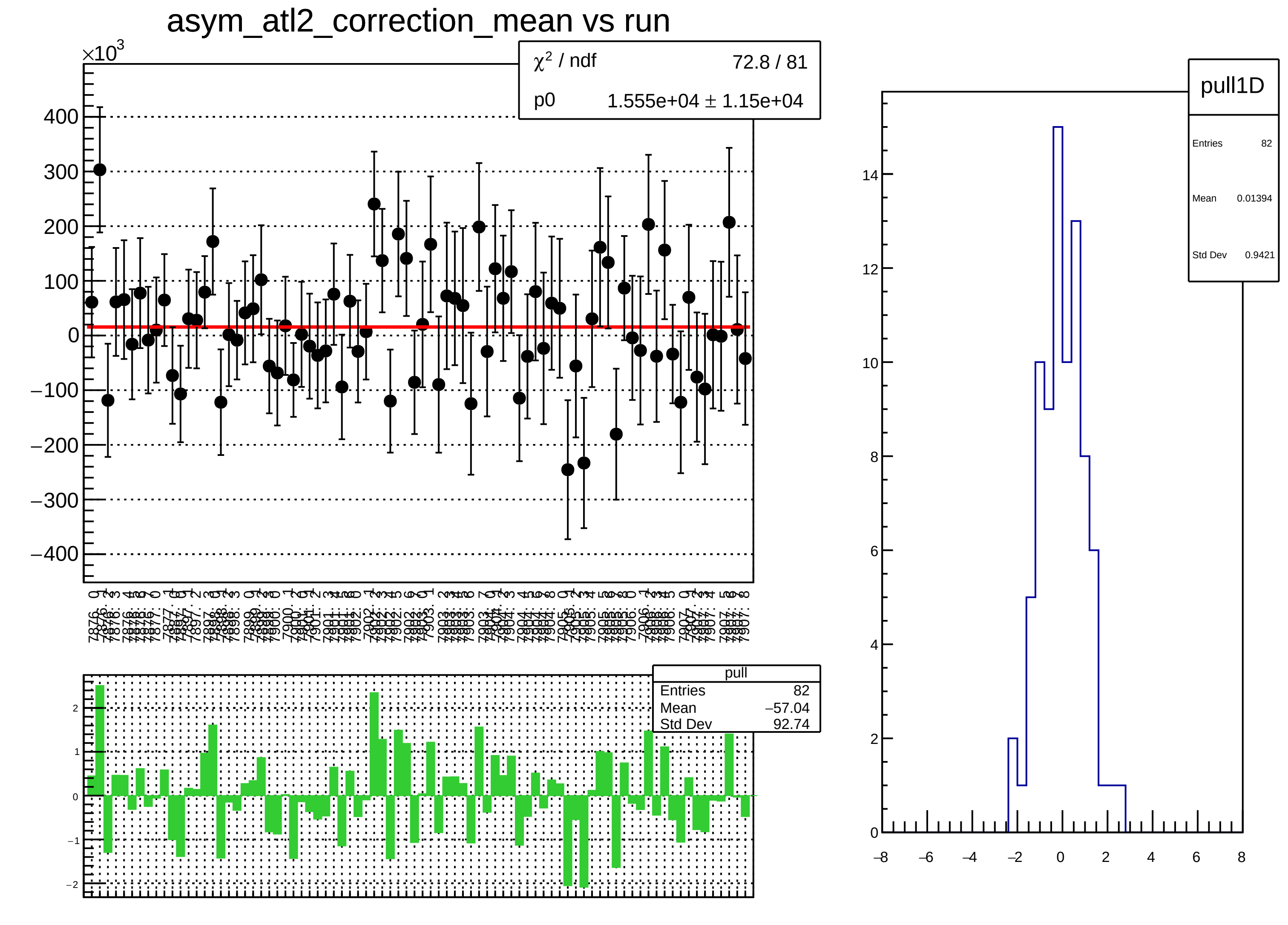


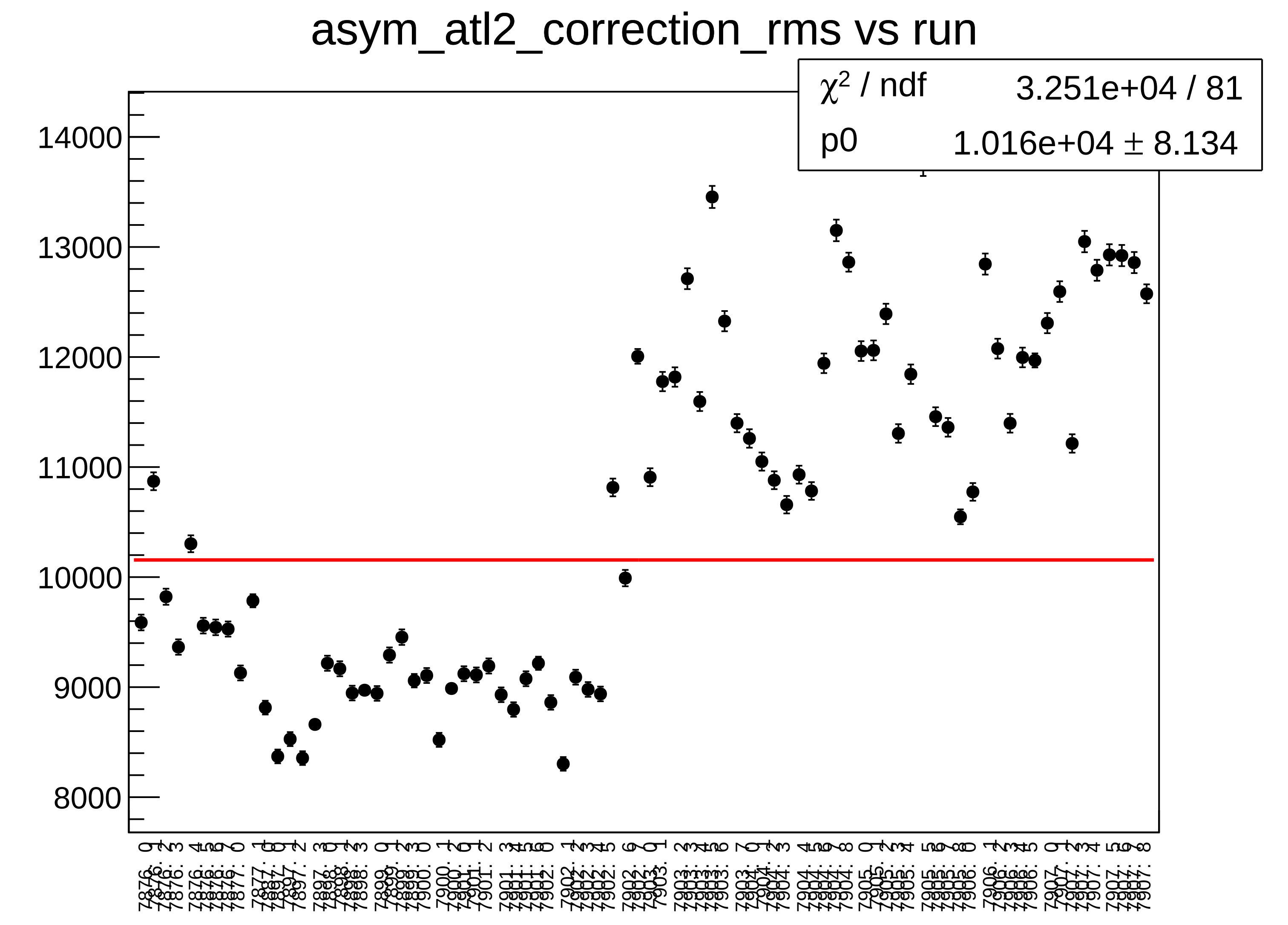
asym_atl1_rms vs run
χ^2 / ndf 1.704e+04 / 81
p0 2625 ± 2.092
10000
8000
6000
4000
2000



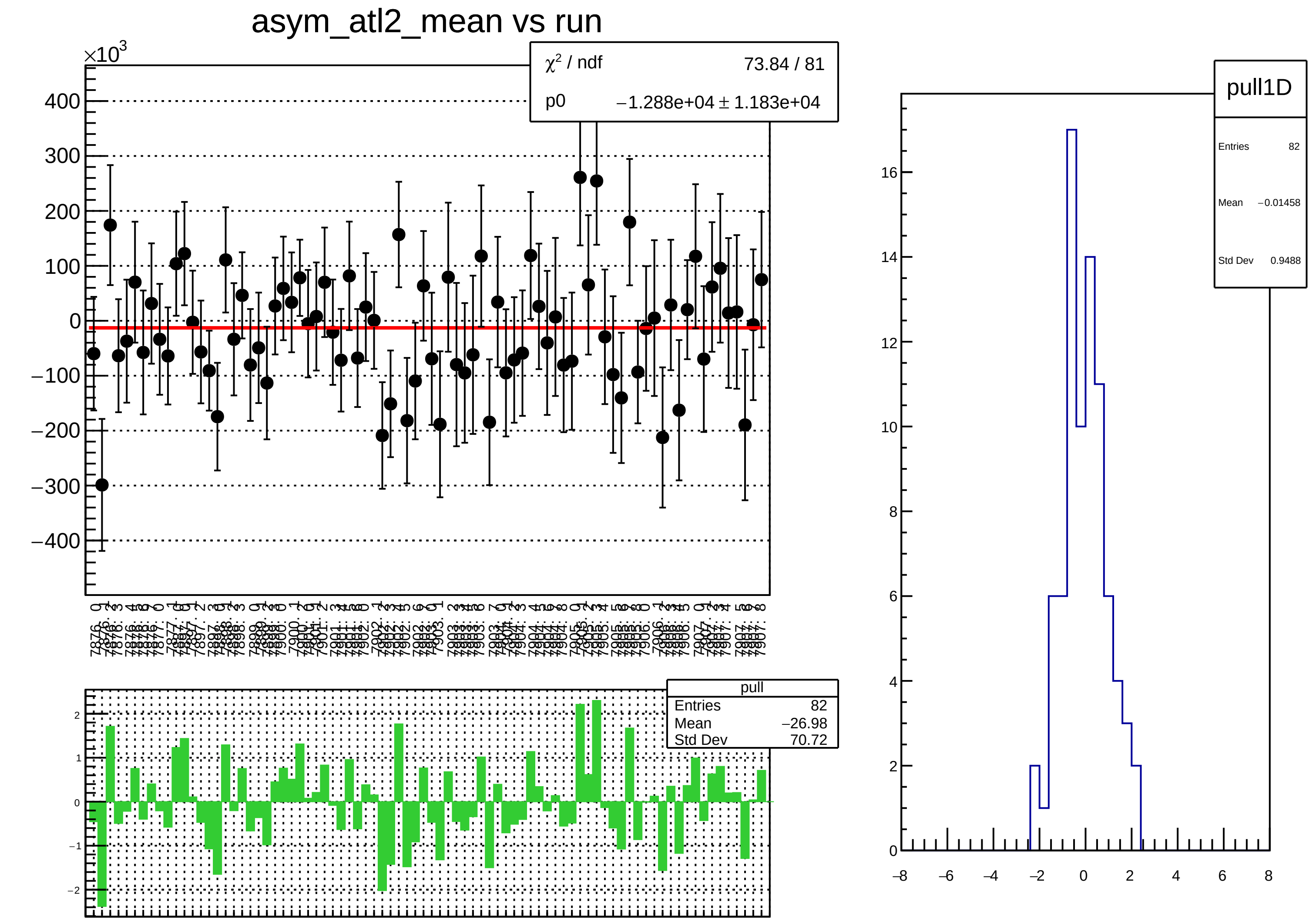
dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 78.45 / 81
p0 2080 ± 2632
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 82
Mean −157.7
Std Dev 164.3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.00761
Std Dev 0.9781
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl2_rms vs run
χ2 / ndf 3042 / 81
p0 2346 ± 1.861
2800
2700
2600
2500
2400
2300
2200

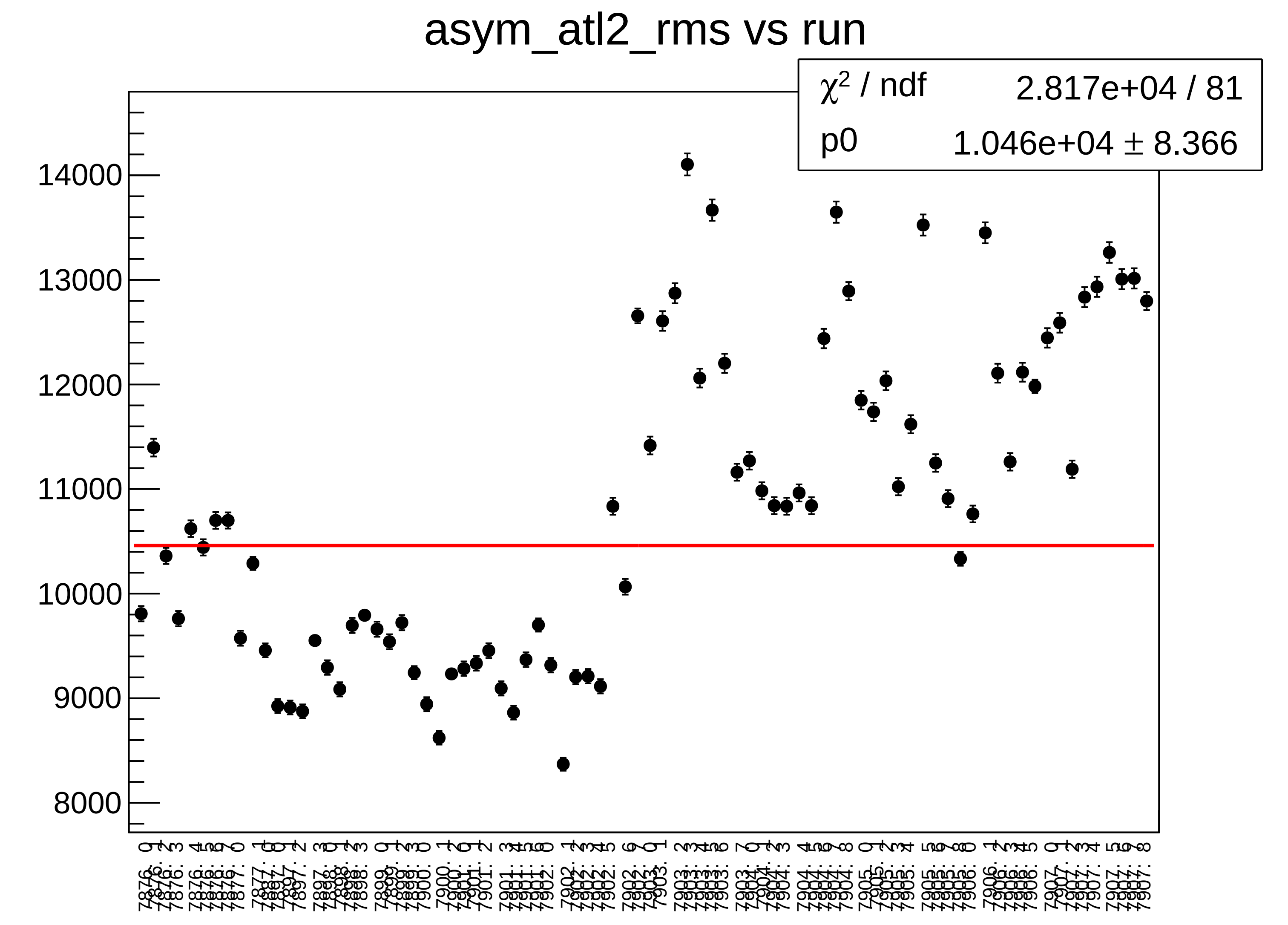

asym_atl2_correction_mean vs run
×10^3
χ2 / ndf 72.8 / 81
p0 1.555e+04 ± 1.15e+04
pull
Entries 82
Mean −57.04
Std Dev 92.74
pull1D
Entries 82
Mean 0.01394
Std Dev 0.9421

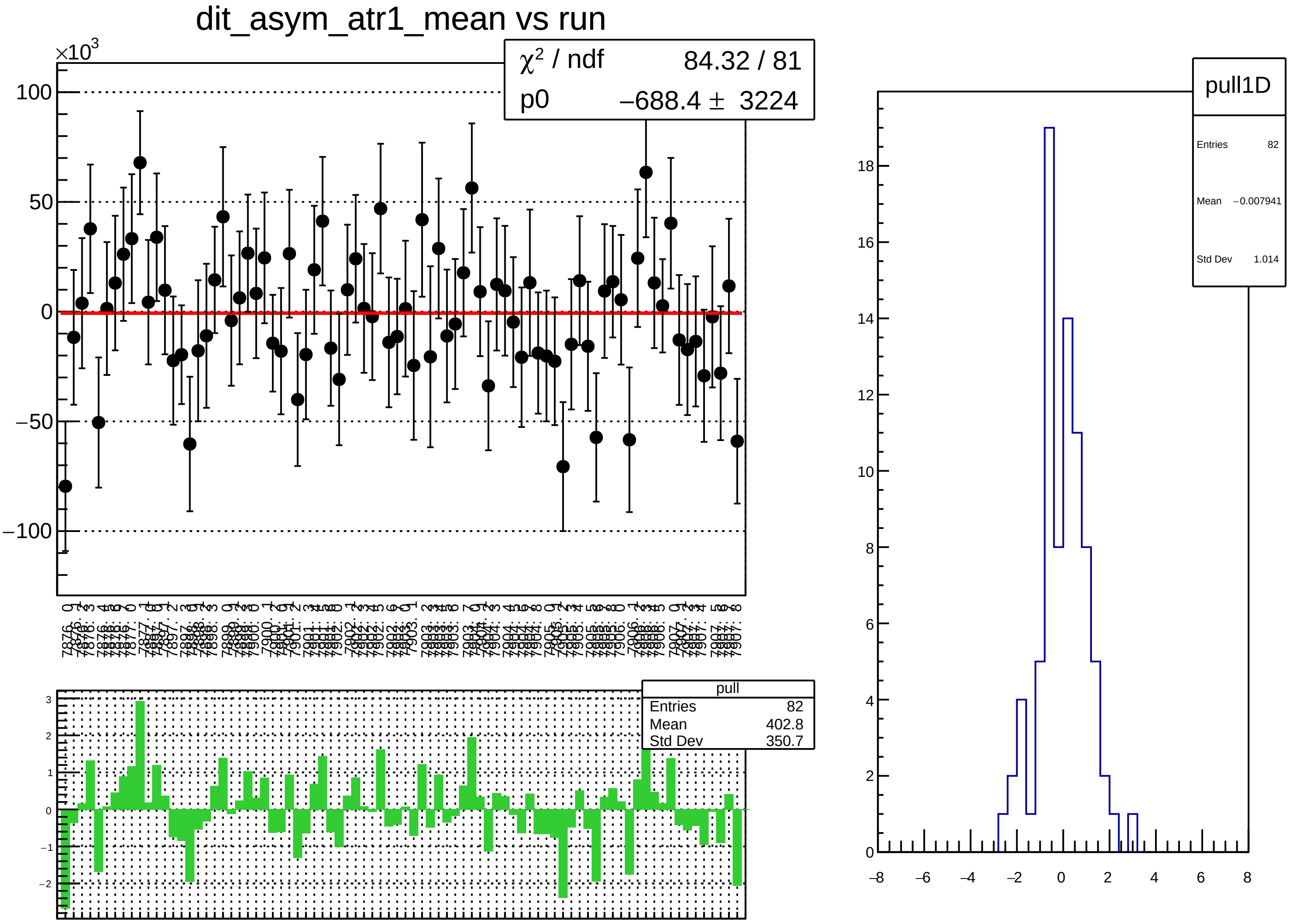


asym_atl2_correction_rms vs run
χ^2 / ndf 3.251e+04 / 81
p0 1.016e+04 ± 8.134
14000
13000
12000
11000
10000
9000
8000

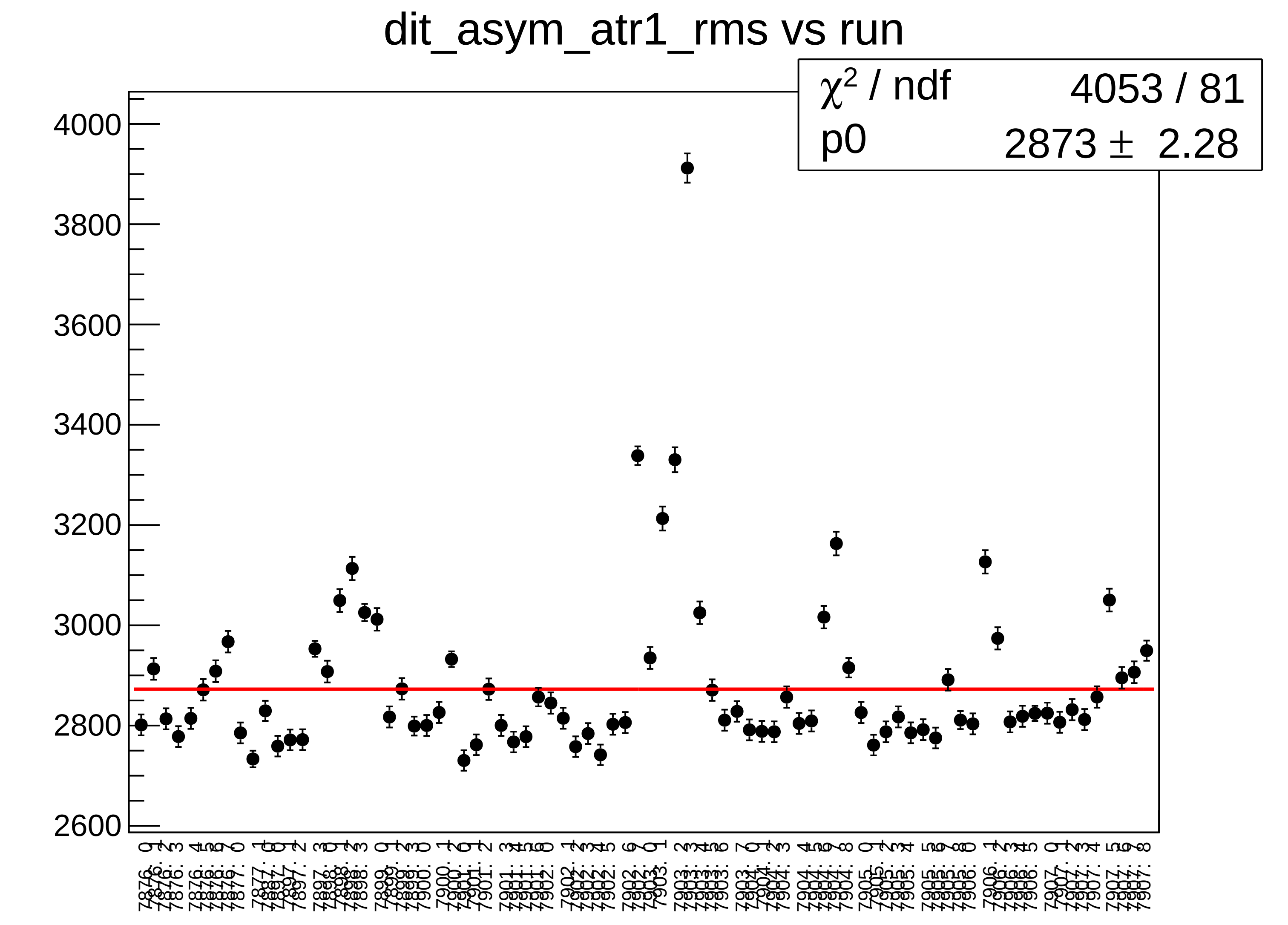


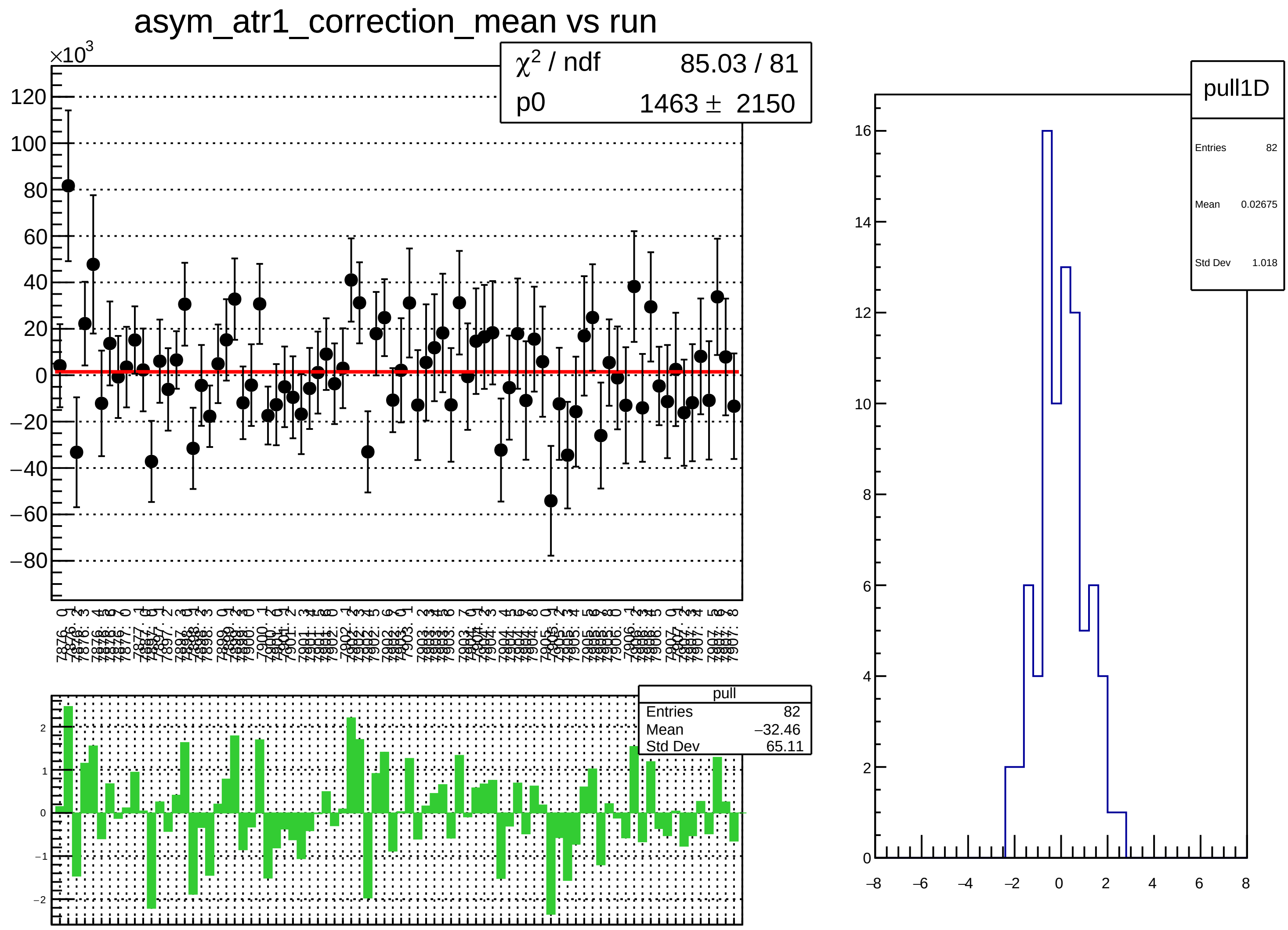
asym_atl2_mean vs run
×10^3
χ2 / ndf 73.84 / 81
p0 −1.288e+04 ± 1.183e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 82
Mean −26.98
Std Dev 70.72
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01458
Std Dev 0.9488
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

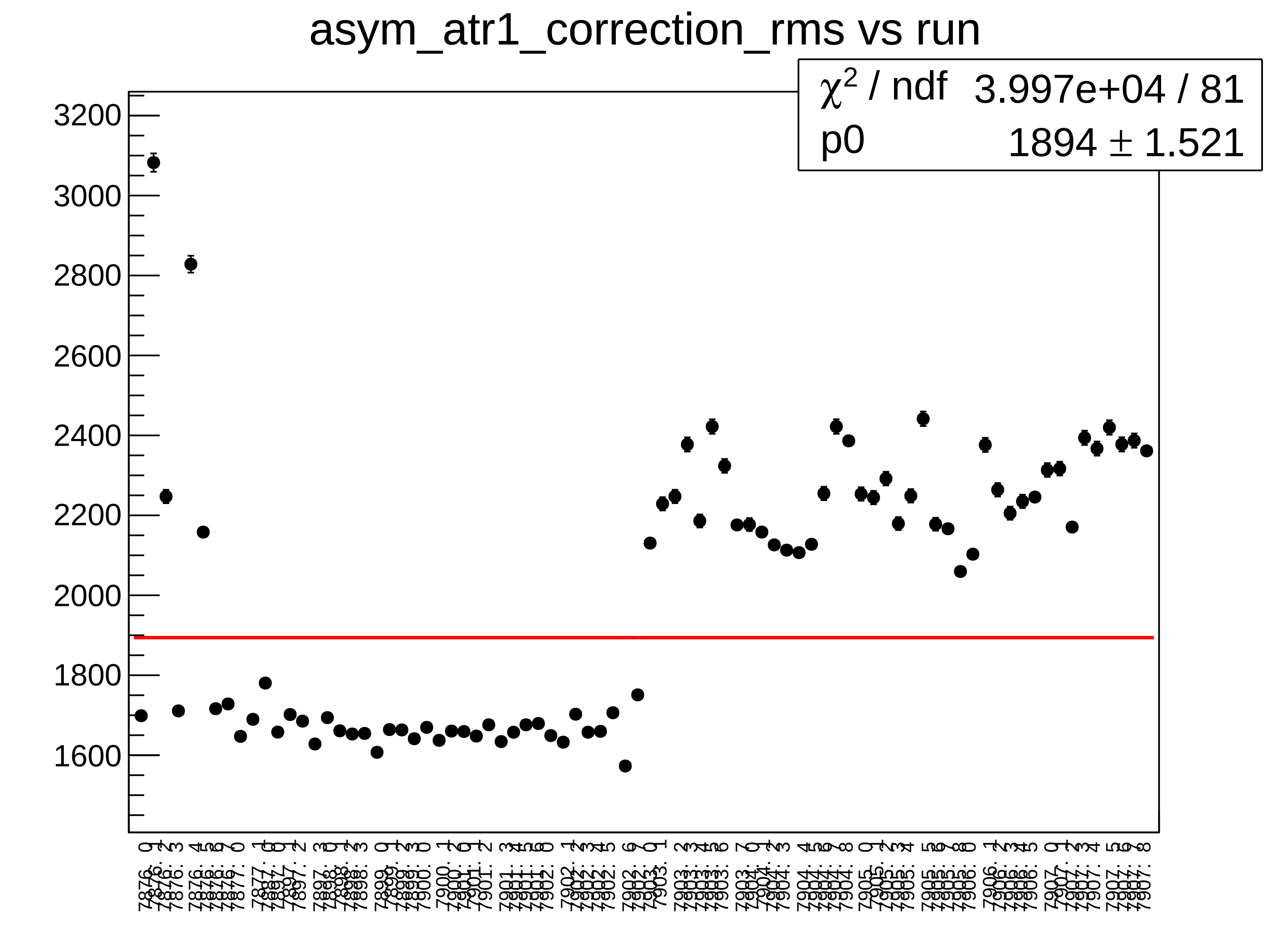

asym_atl2_rms vs run
χ^2 / ndf 2.817e+04 / 81
p0 1.046e+04 ± 8.366
14000
13000
12000
11000
10000
9000
8000



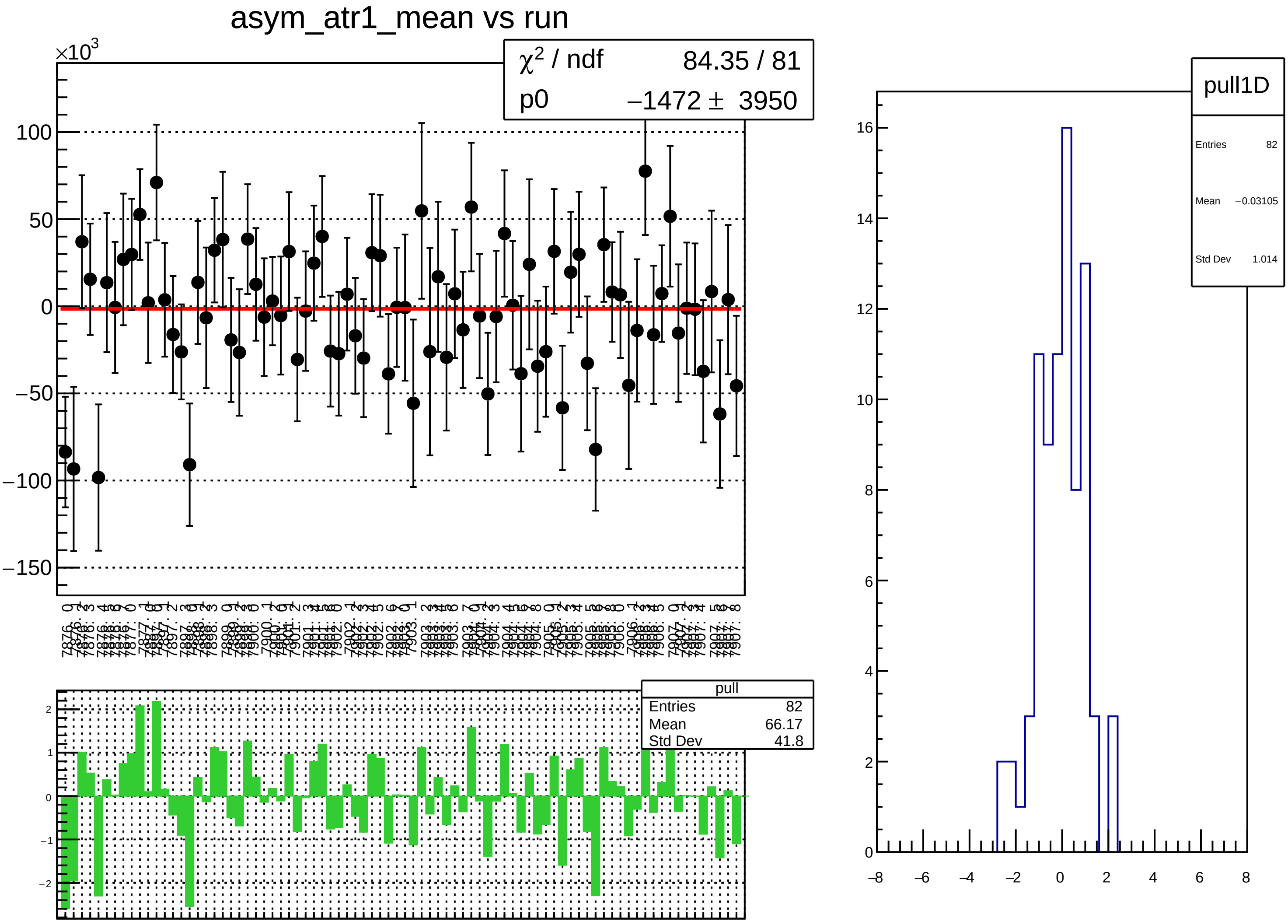
dit_asym_atr1_mean vs run
χ2 / ndf 84.32 / 81
p0 −688.4 ± 3224
pull
Entries 82
Mean 402.8
Std Dev 350.7
pull1D
Entries 82
Mean −0.007941
Std Dev 1.014


dit_asym_atr1_rms vs run
χ2 / ndf 4053 / 81
p0 2873 ± 2.28
4000
3800
3600
3400
3200
3000
2800
2600

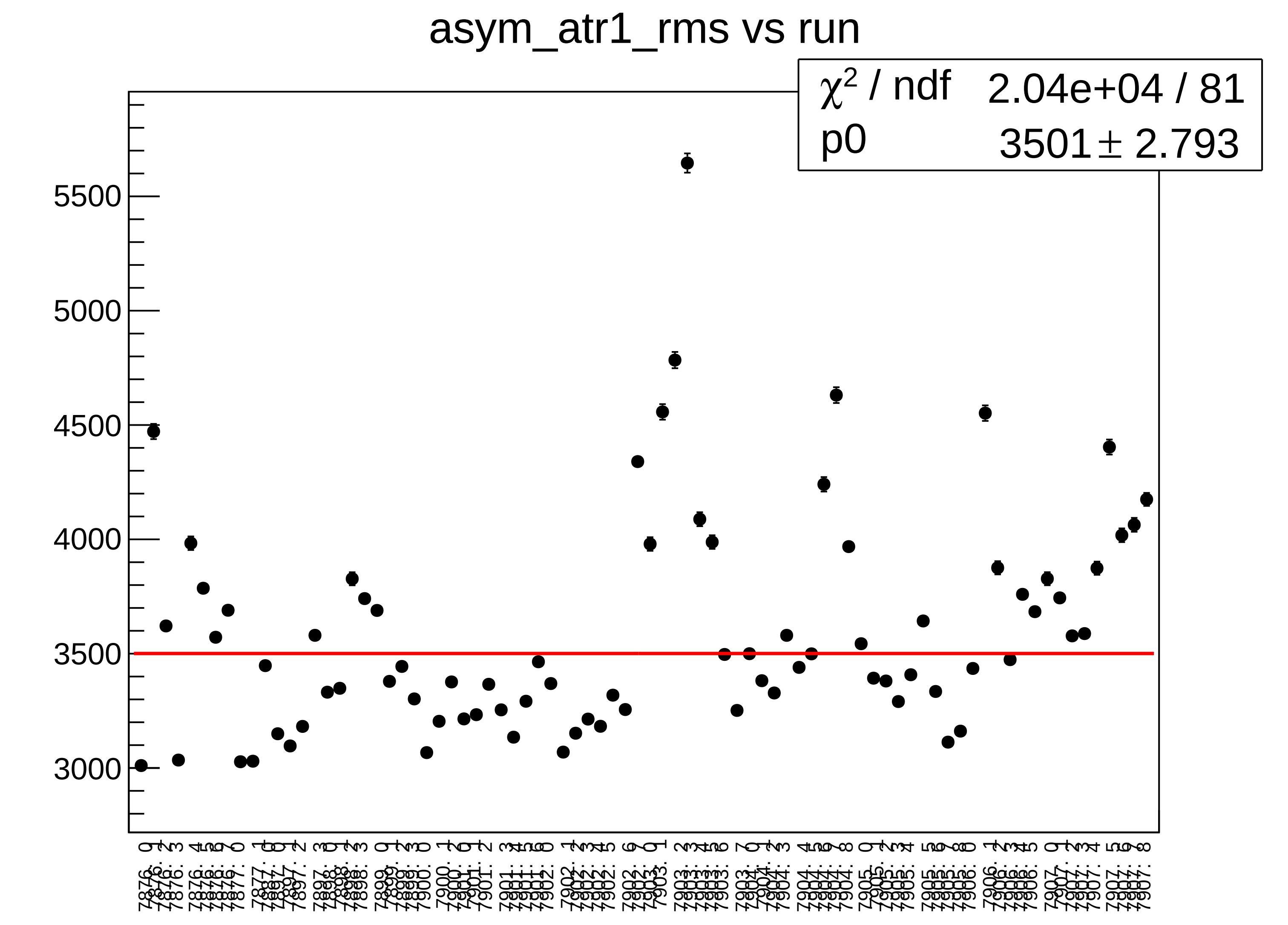

asym_atr1_correction_mean vs run
$\times 10^3$
χ^2 / ndf 85.03 / 81
p0 1463 ± 2150
pull
Entries 82
Mean −32.46
Std Dev 65.11
pull1D
Entries 82
Mean 0.02675
Std Dev 1.018



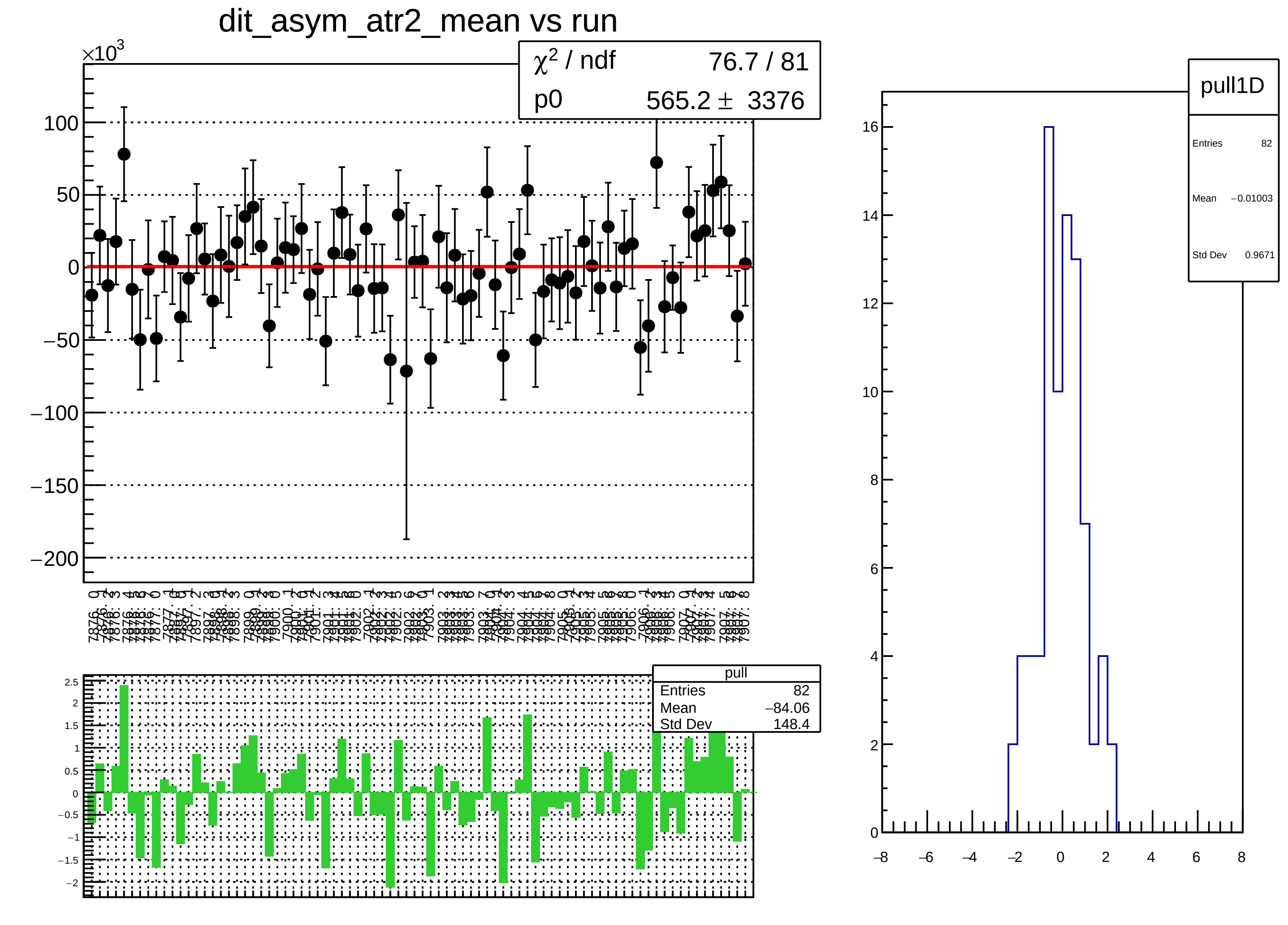
asym_atr1_correction_rms vs run
χ^2 / ndf 3.997e+04 / 81
p0 1894 ± 1.521
3200
3000
2800
2600
2400
2200
2000
1800
1600



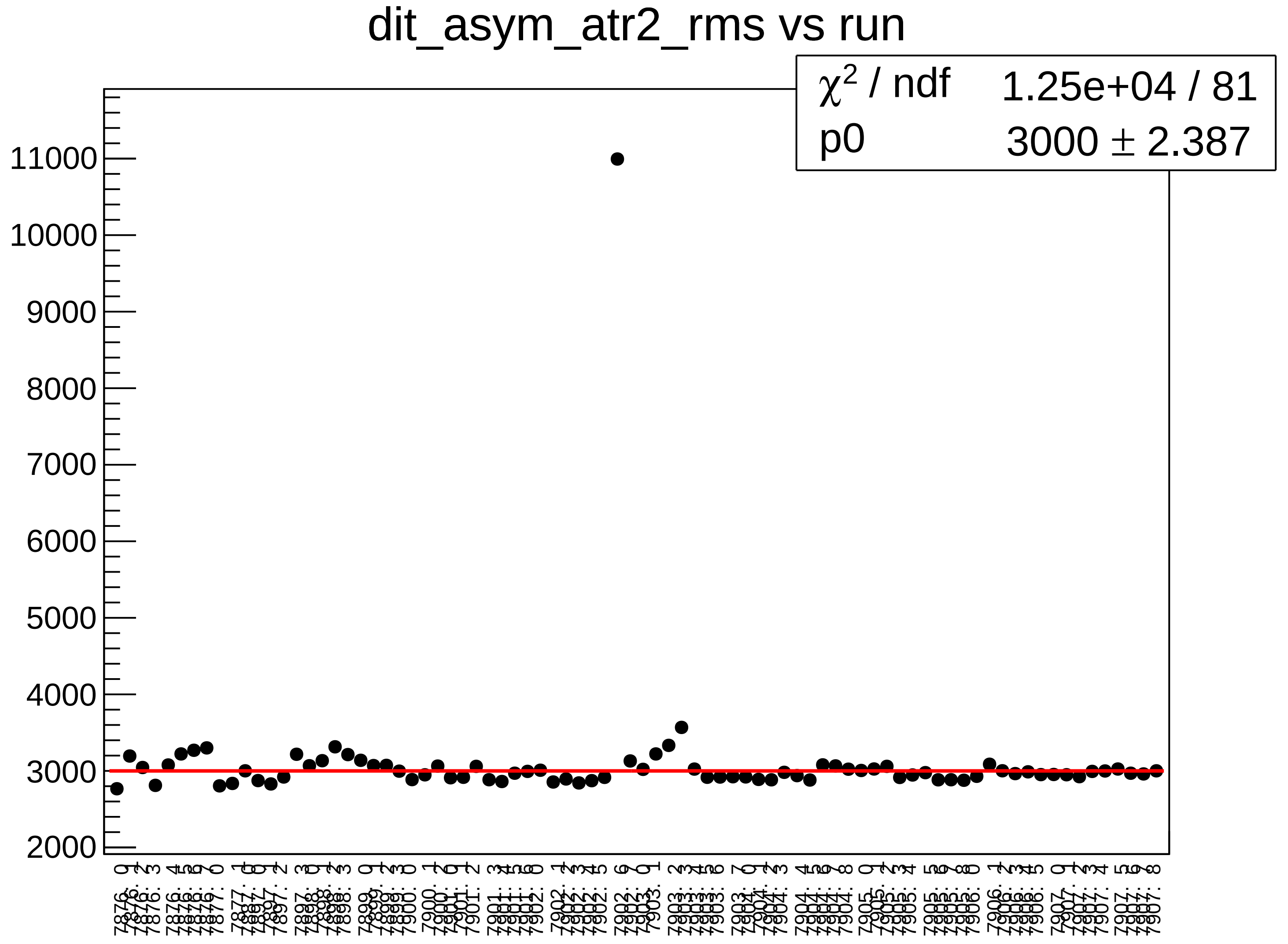
asym_atr1_mean vs run
×10^3
χ^2 / ndf 84.35 / 81
p0 −1472 ± 3950
100
50
0
−50
−100
−150
pull
Entries 82
Mean 66.17
Std Dev 41.8
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.03105
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



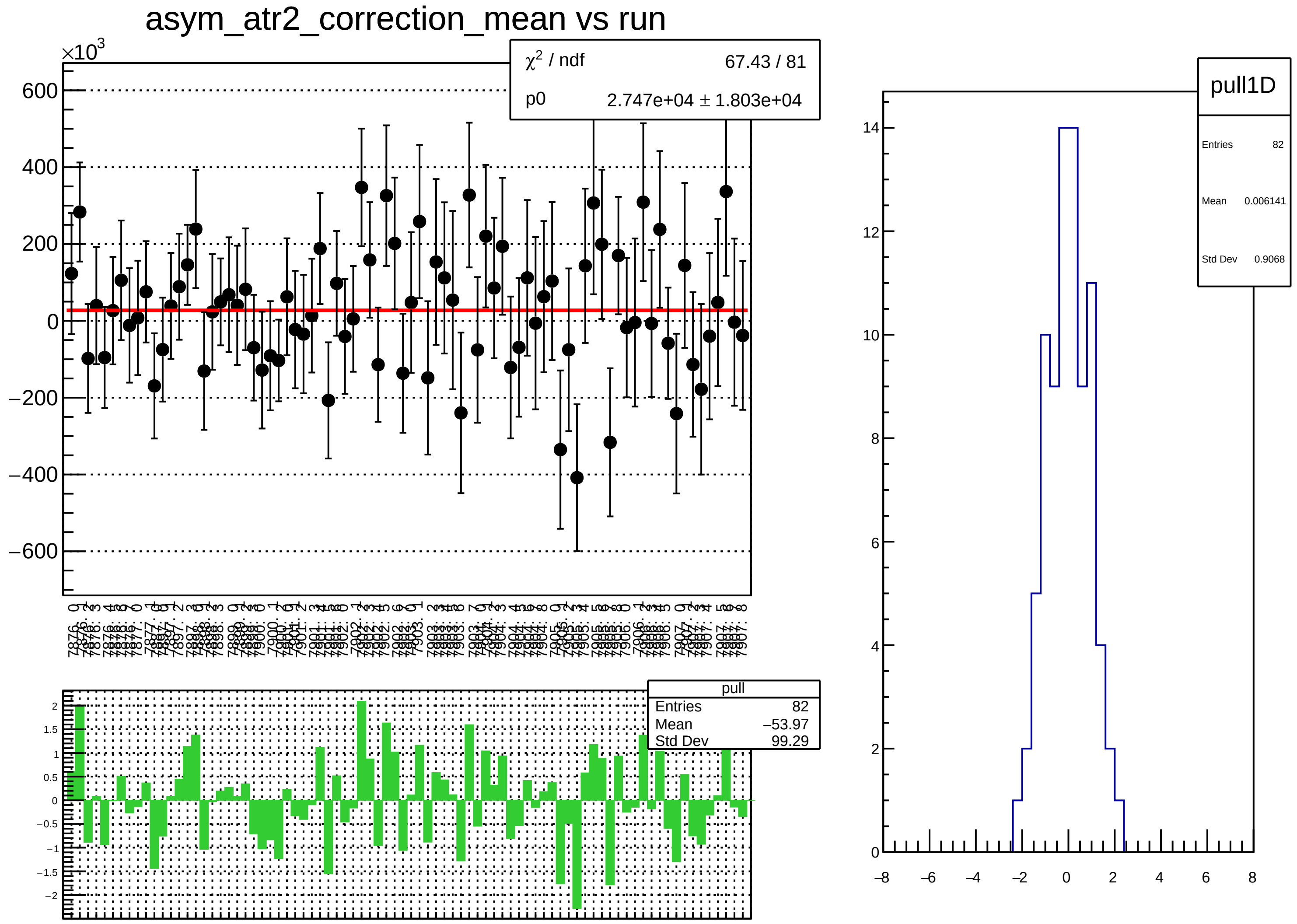
asym_atr1_rms vs run
χ^2 / ndf 2.04e+04 / 81
p0 3501 ± 2.793
5500
5000
4500
4000
3500
3000



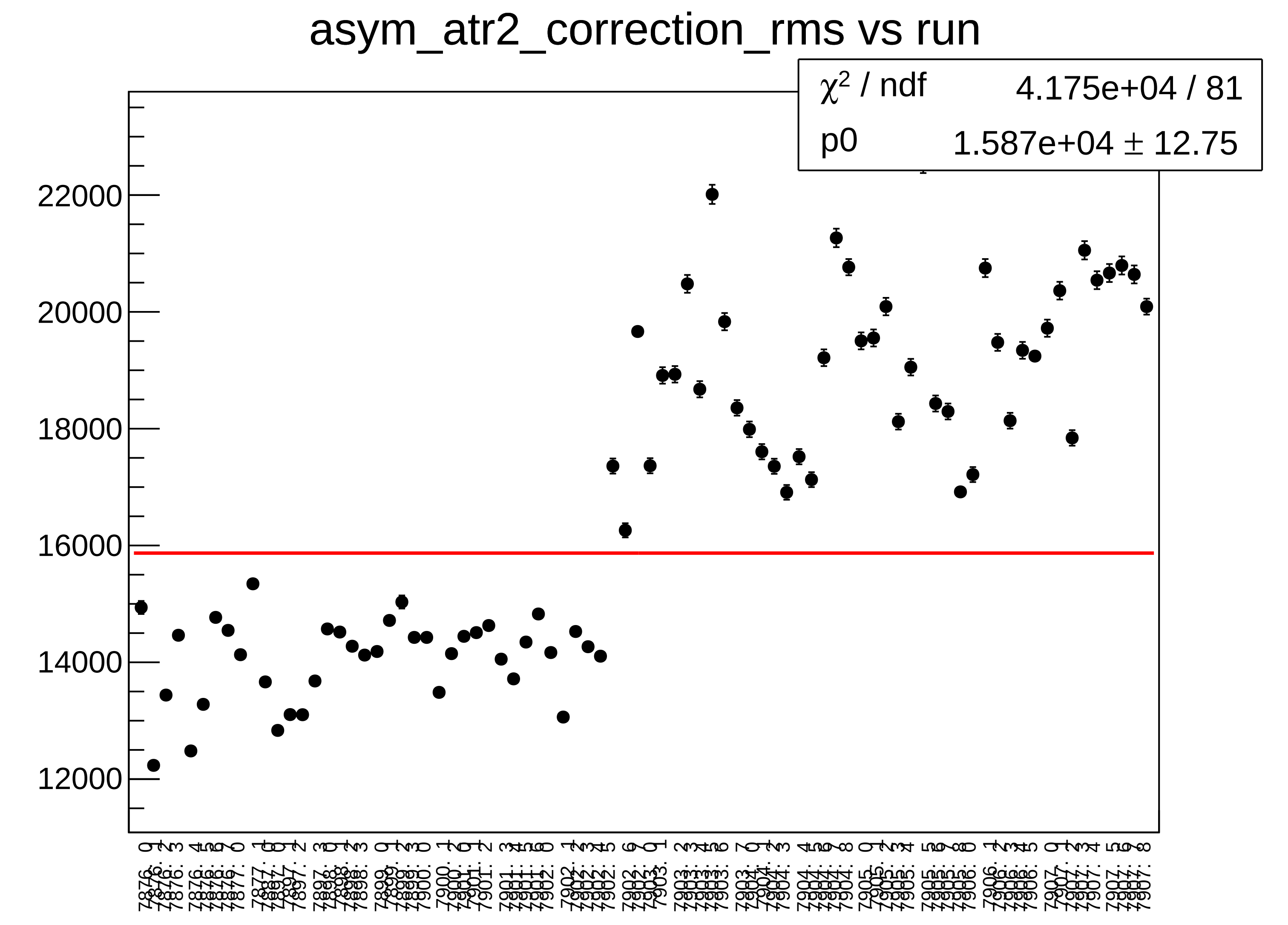
dit_asym_atr2_mean vs run
$\times10^3$
χ^2 / ndf 76.7 / 81
p0 565.2 ± 3376
pull
Entries 82
Mean −84.06
Std Dev 148.4
pull1D
Entries 82
Mean −0.01003
Std Dev 0.9671



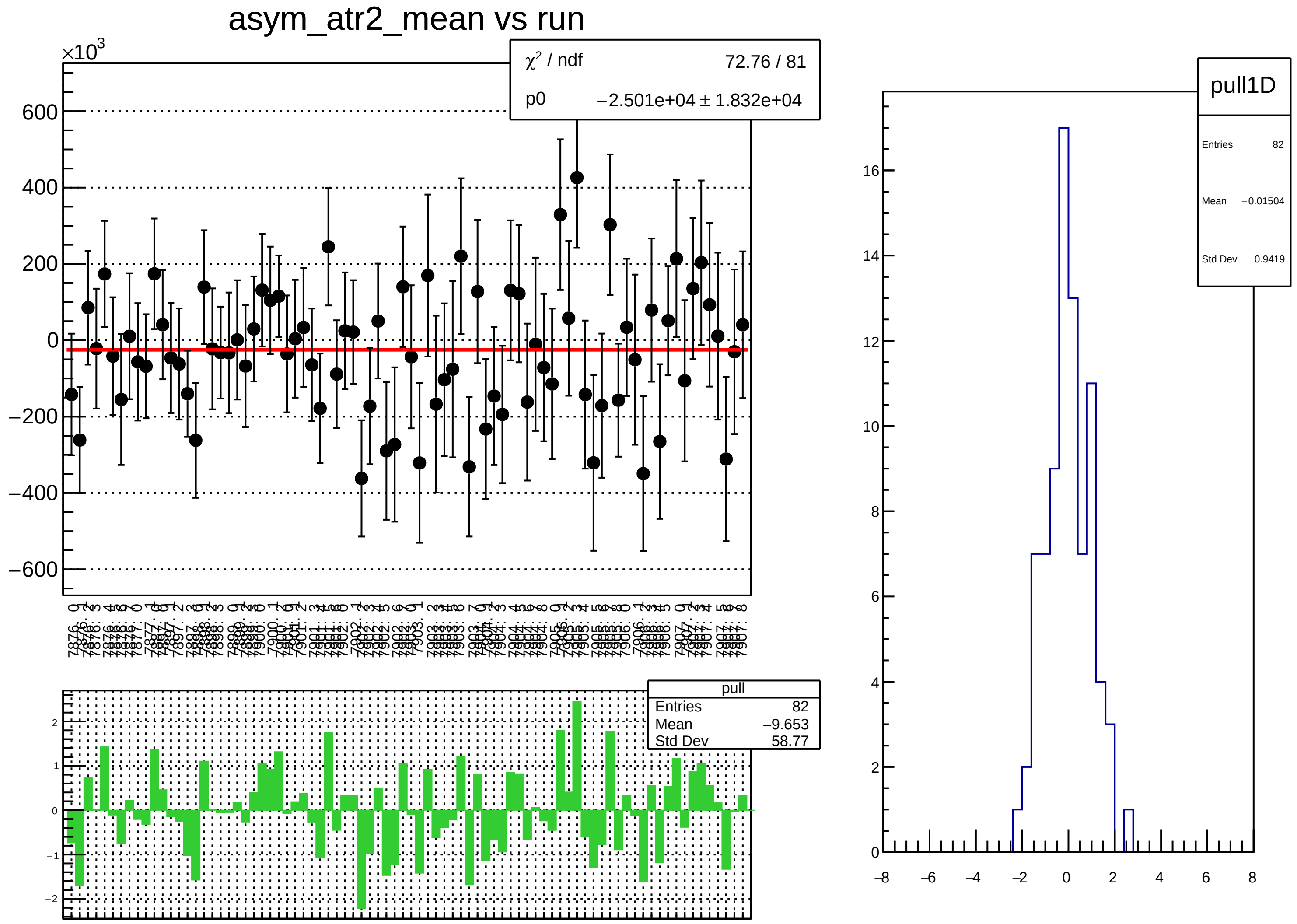
dit_asym_atr2_rms vs run
χ2 / ndf 1.25e+04 / 81
p0 3000 ± 2.387
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000



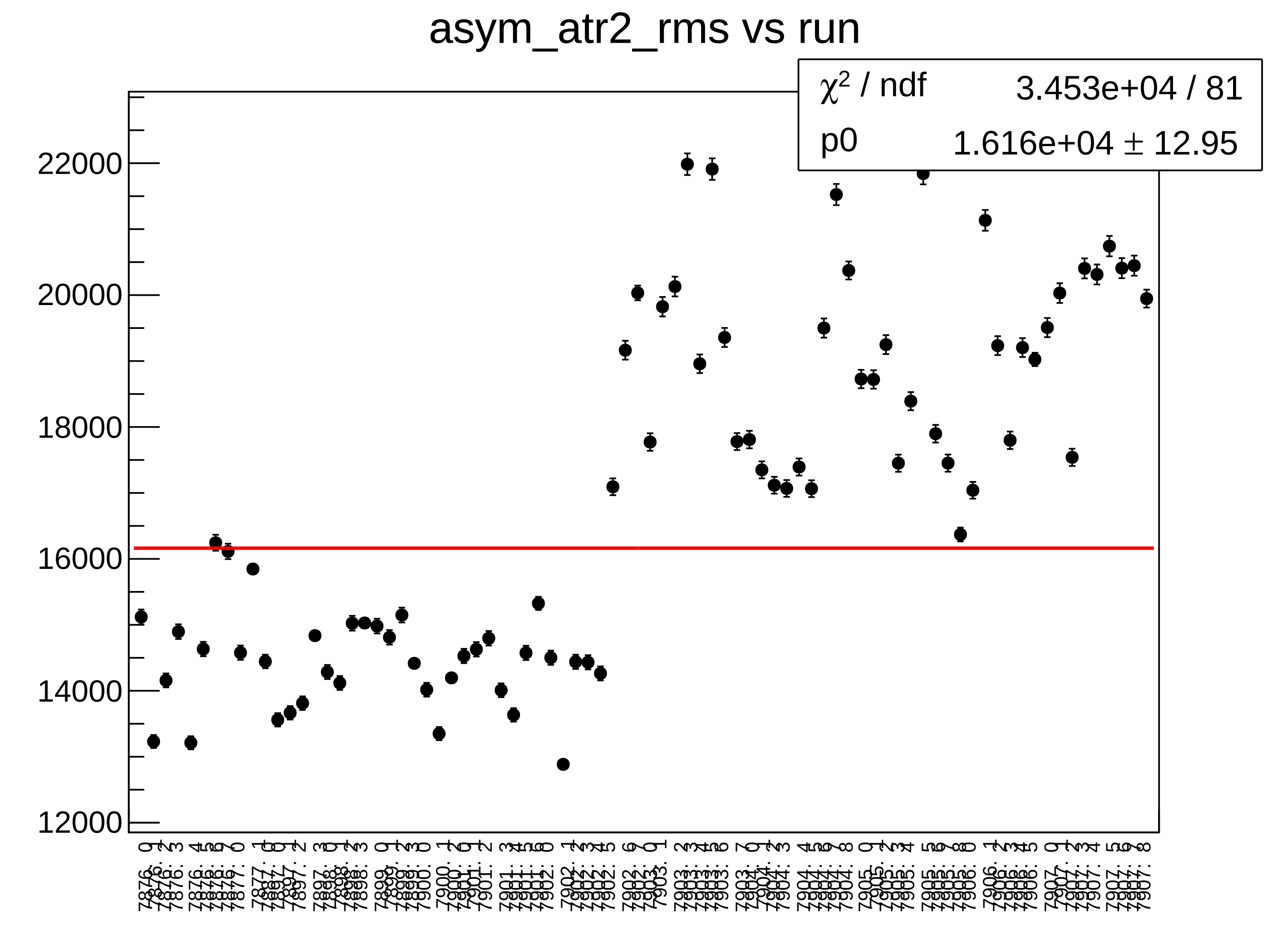
asym_atr2_correction_mean vs run
×10^3
χ2 / ndf 67.43 / 81
p0 2.747e+04 ± 1.803e+04
pull
Entries 82
Mean −53.97
Std Dev 99.29
pull1D
Entries 82
Mean 0.006141
Std Dev 0.9068

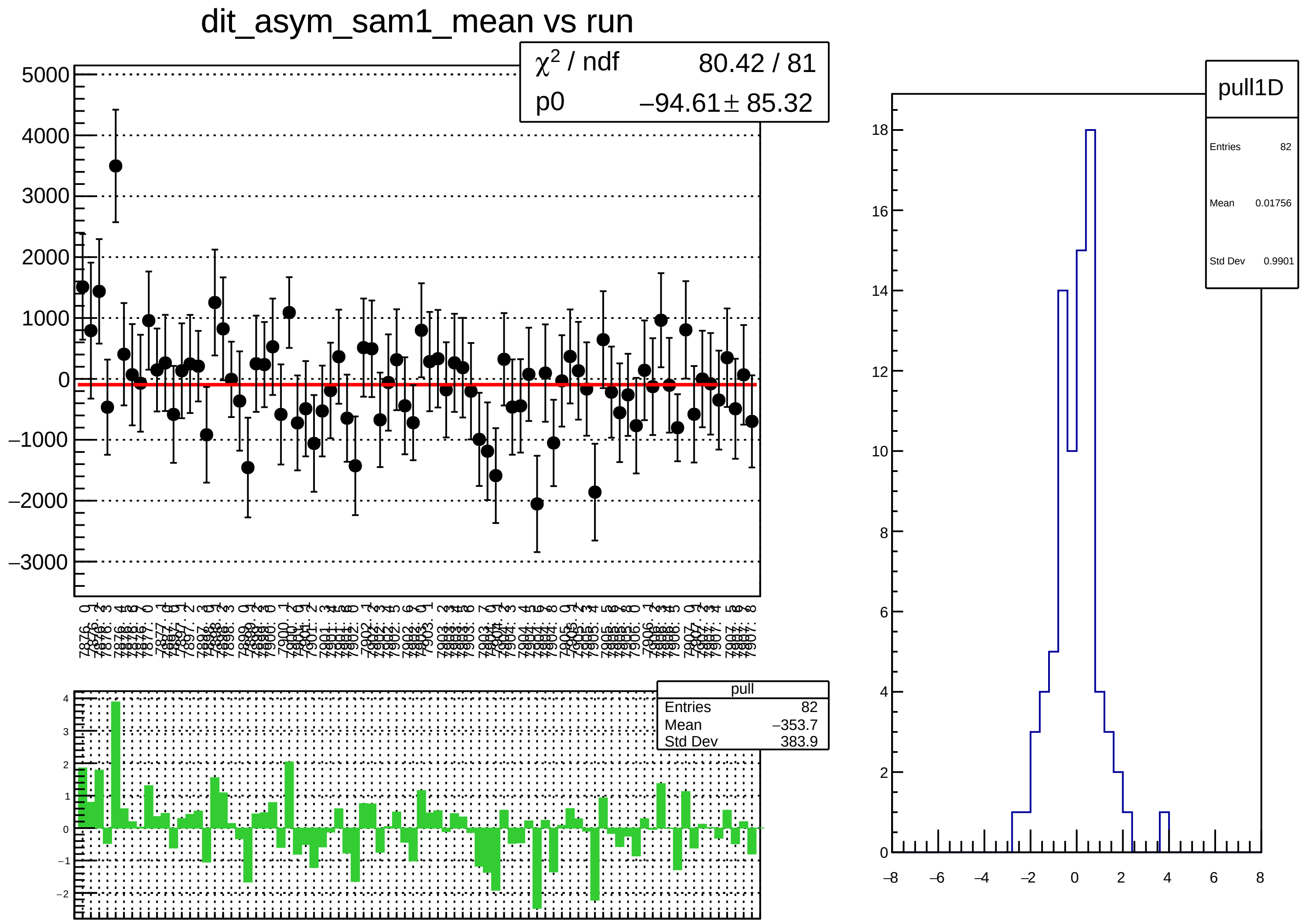


asym_atr2_correction_rms vs run
χ2 / ndf 4.175e+04 / 81
p0 1.587e+04 ± 12.75
22000
20000
18000
16000
14000
12000

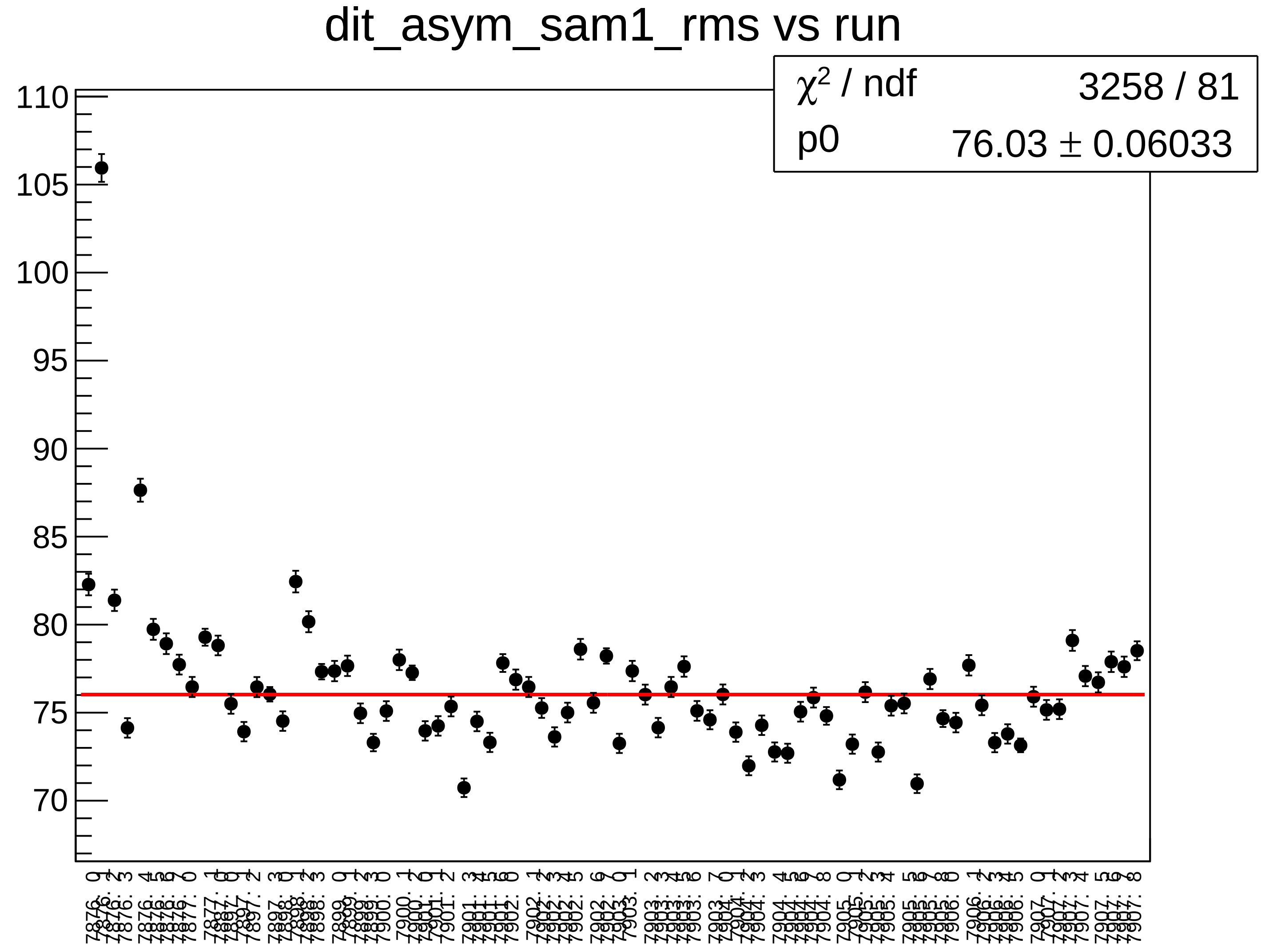


asym_atr2_mean vs run
×10^3
χ2 / ndf 72.76 / 81
p0 −2.501e+04 ± 1.832e+04
pull
Entries 82
Mean −9.653
Std Dev 58.77
pull1D
Entries 82
Mean −0.01504
Std Dev 0.9419

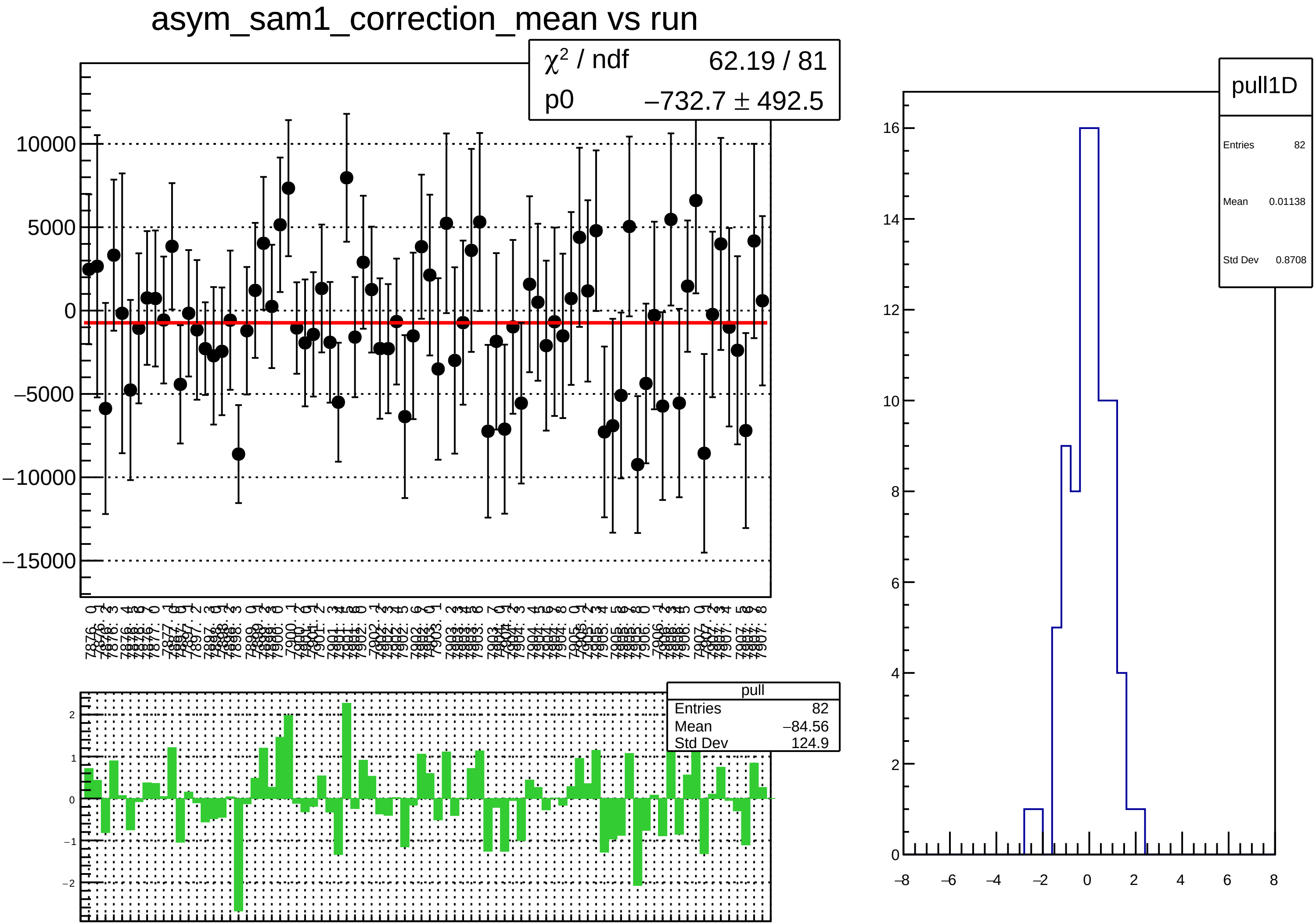

asym_atr2_rms vs run
χ^2 / ndf 3.453e+04 / 81
p0 1.616e+04 ± 12.95
22000
20000
18000
16000
14000
12000



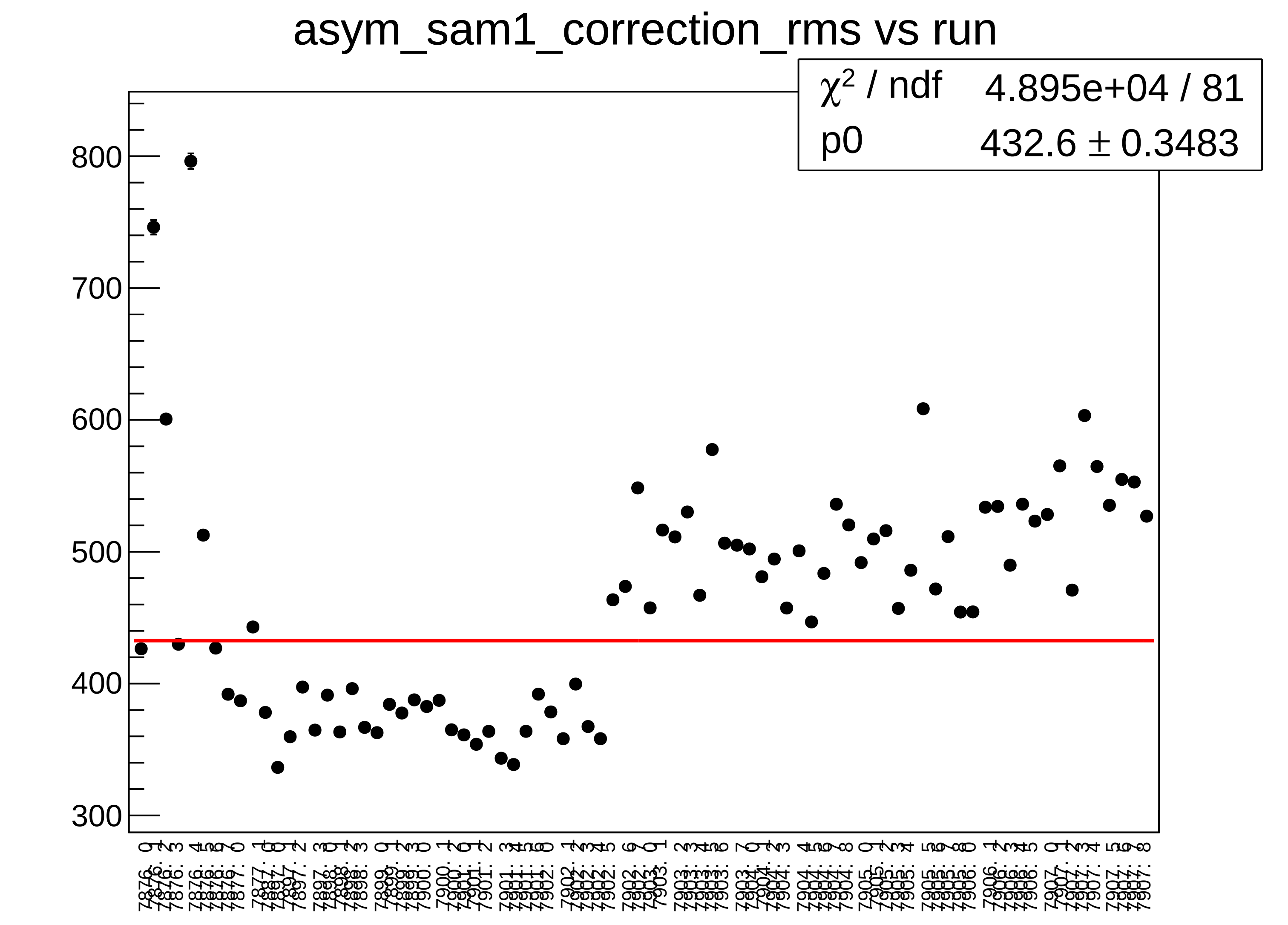
dit_asym_sam1_mean vs run
χ2 / ndf 80.42 / 81
p0 −94.61 ± 85.32
pull
Entries 82
Mean −353.7
Std Dev 383.9
pull1D
Entries 82
Mean 0.01756
Std Dev 0.9901



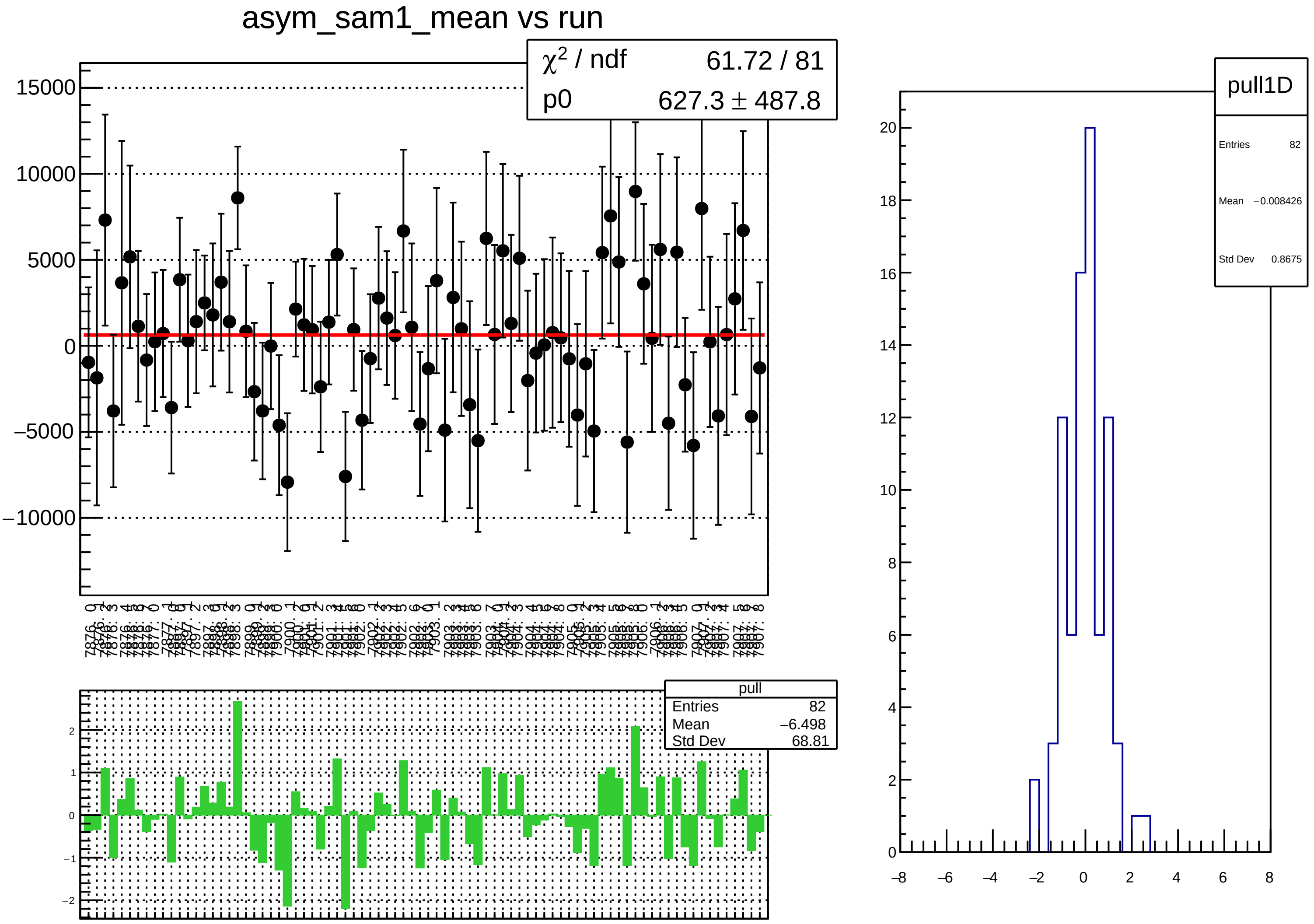
dit_asym_sam1_rms vs run
χ^2 / ndf 3258 / 81
p0 76.03 ± 0.06033
110
105
100
95
90
85
80
75
70



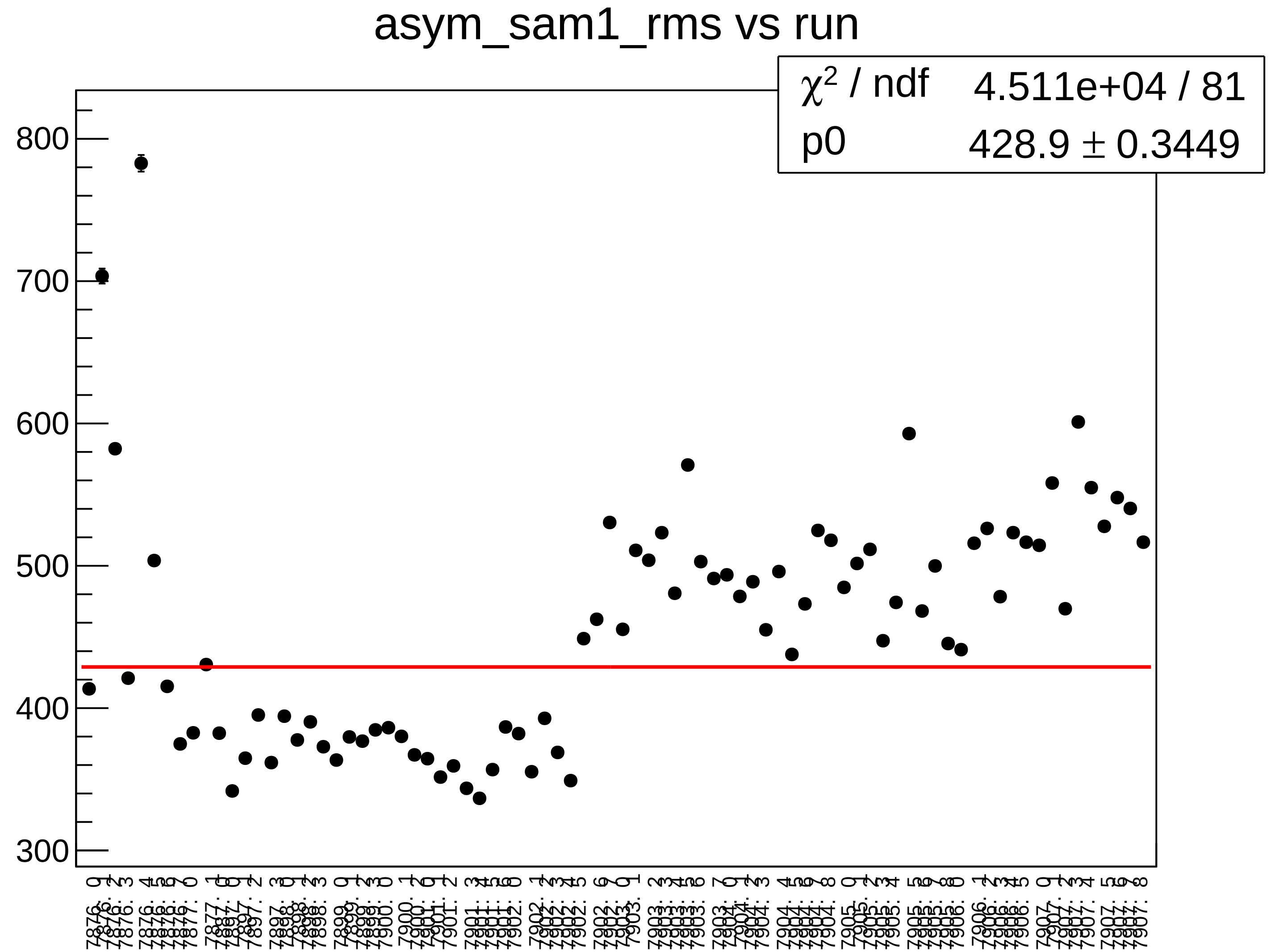
asym_sam1_correction_mean vs run
χ2 / ndf 62.19 / 81
p0 −732.7 ± 492.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −84.56
Std Dev 124.9
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01138
Std Dev 0.8708
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



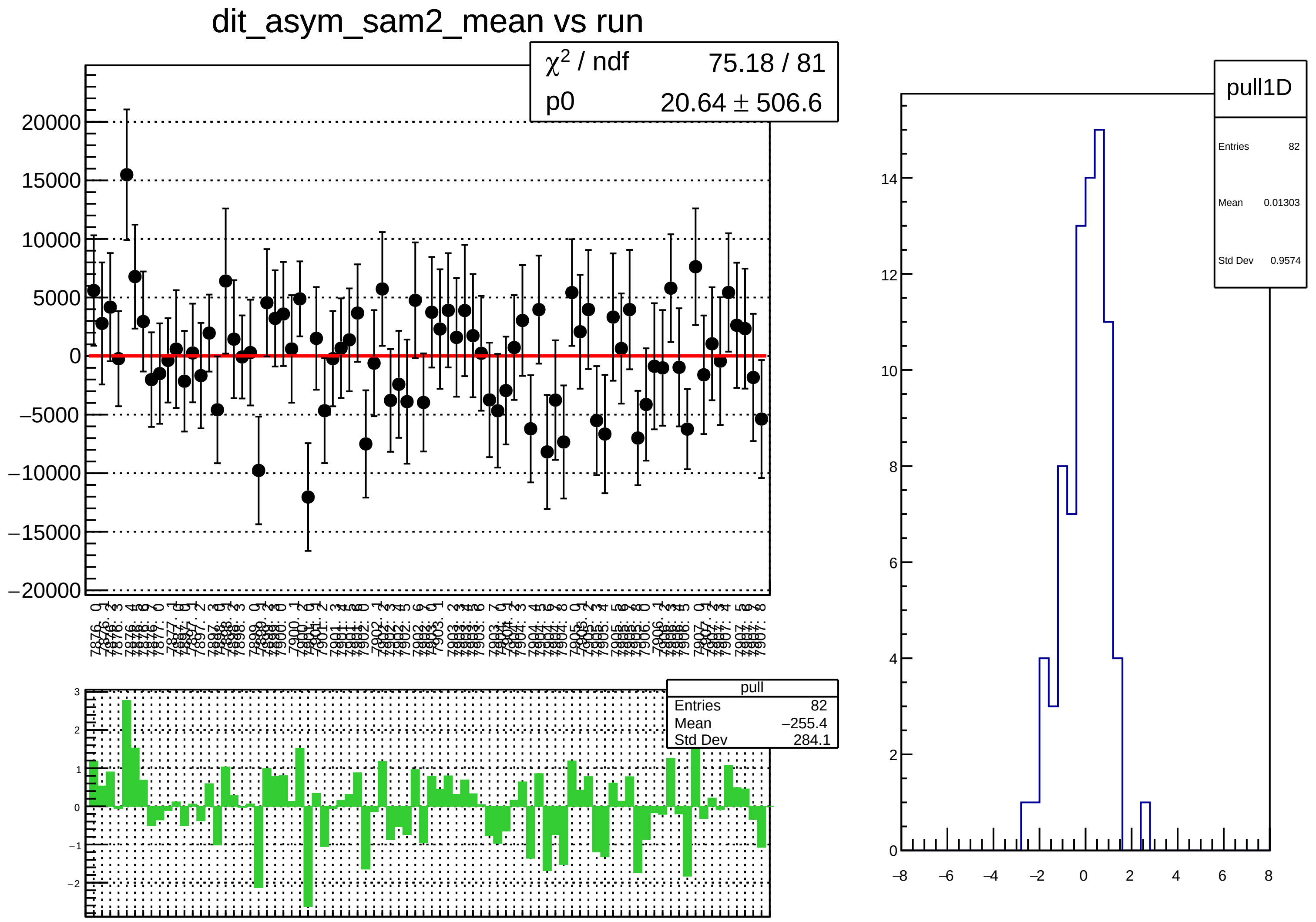
asym_sam1_correction_rms vs run
χ2 / ndf 4.895e+04 / 81
p0 432.6 ± 0.3483
800
700
600
500
400
300



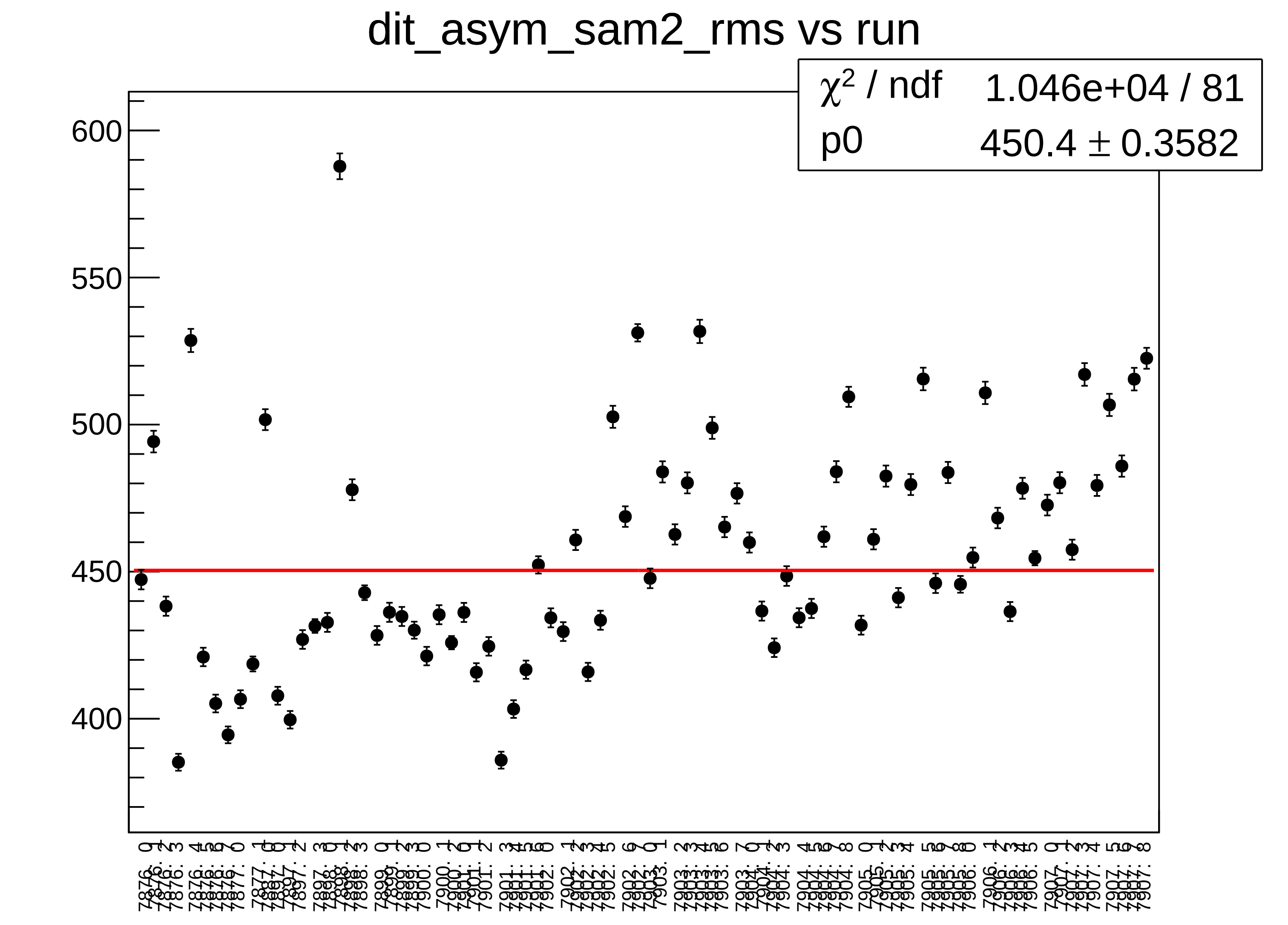
asym_sam1_mean vs run
χ^2 / ndf 61.72 / 81
p0 627.3 ± 487.8
pull
Entries 82
Mean −6.498
Std Dev 68.81
pull1D
Entries 82
Mean −0.008426
Std Dev 0.8675



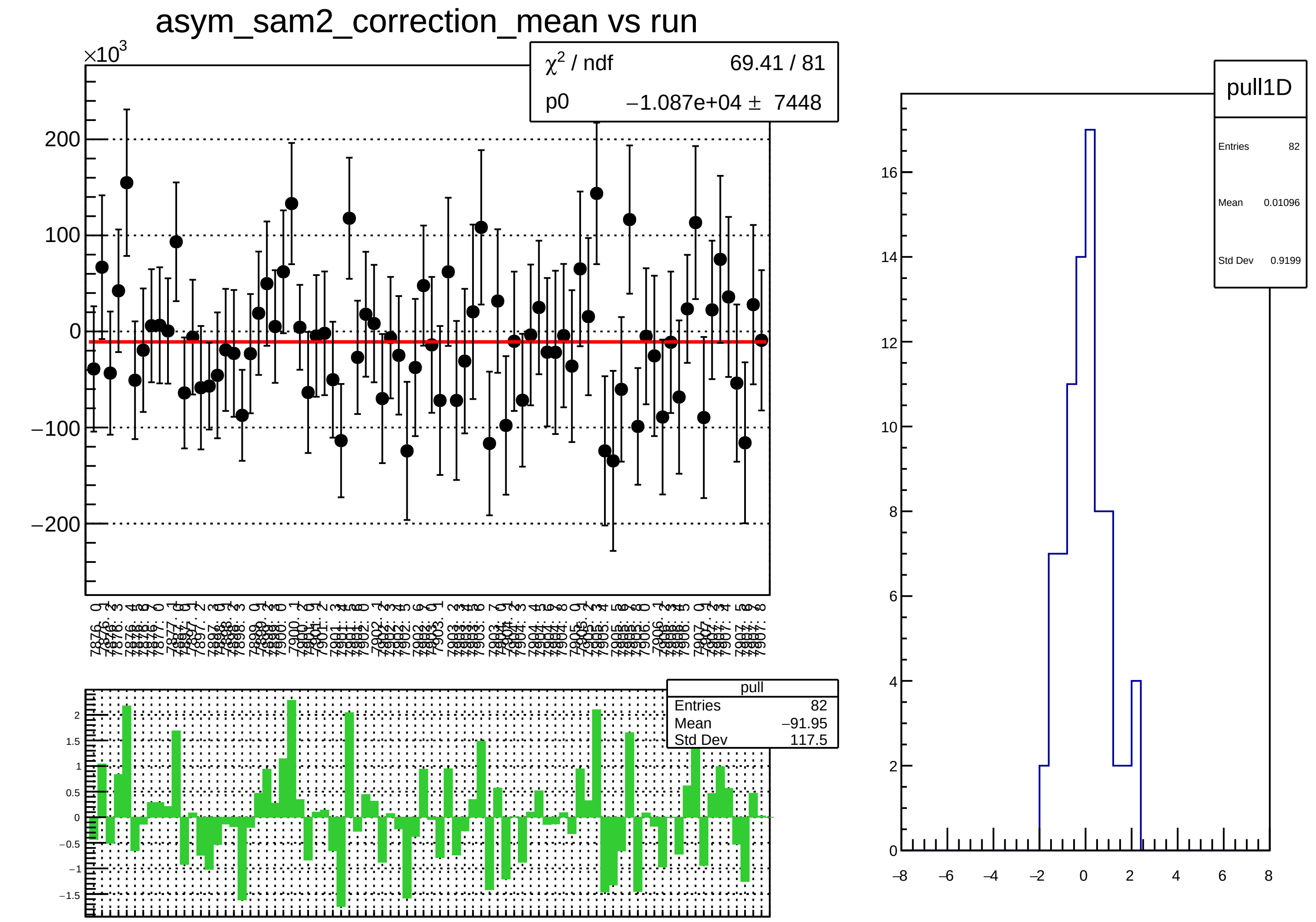
asym_sam1_rms vs run
χ2 / ndf 4.511e+04 / 81
p0 428.9 ± 0.3449
800
700
600
500
400
300



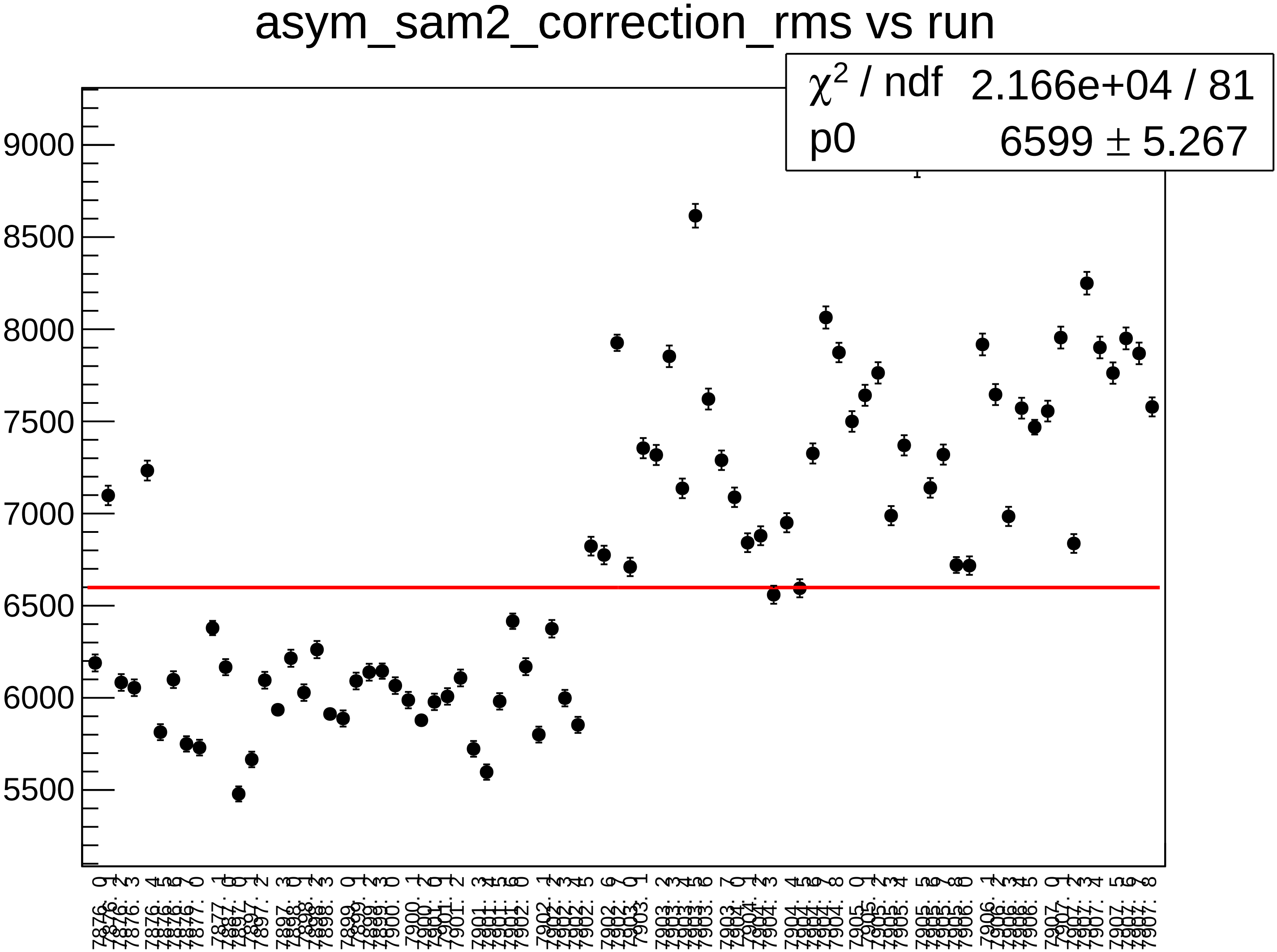
dit_asym_sam2_mean vs run
χ^2 / ndf 75.18 / 81
p0 20.64 ± 506.6
pull
Entries 82
Mean −255.4
Std Dev 284.1
pull1D
Entries 82
Mean 0.01303
Std Dev 0.9574

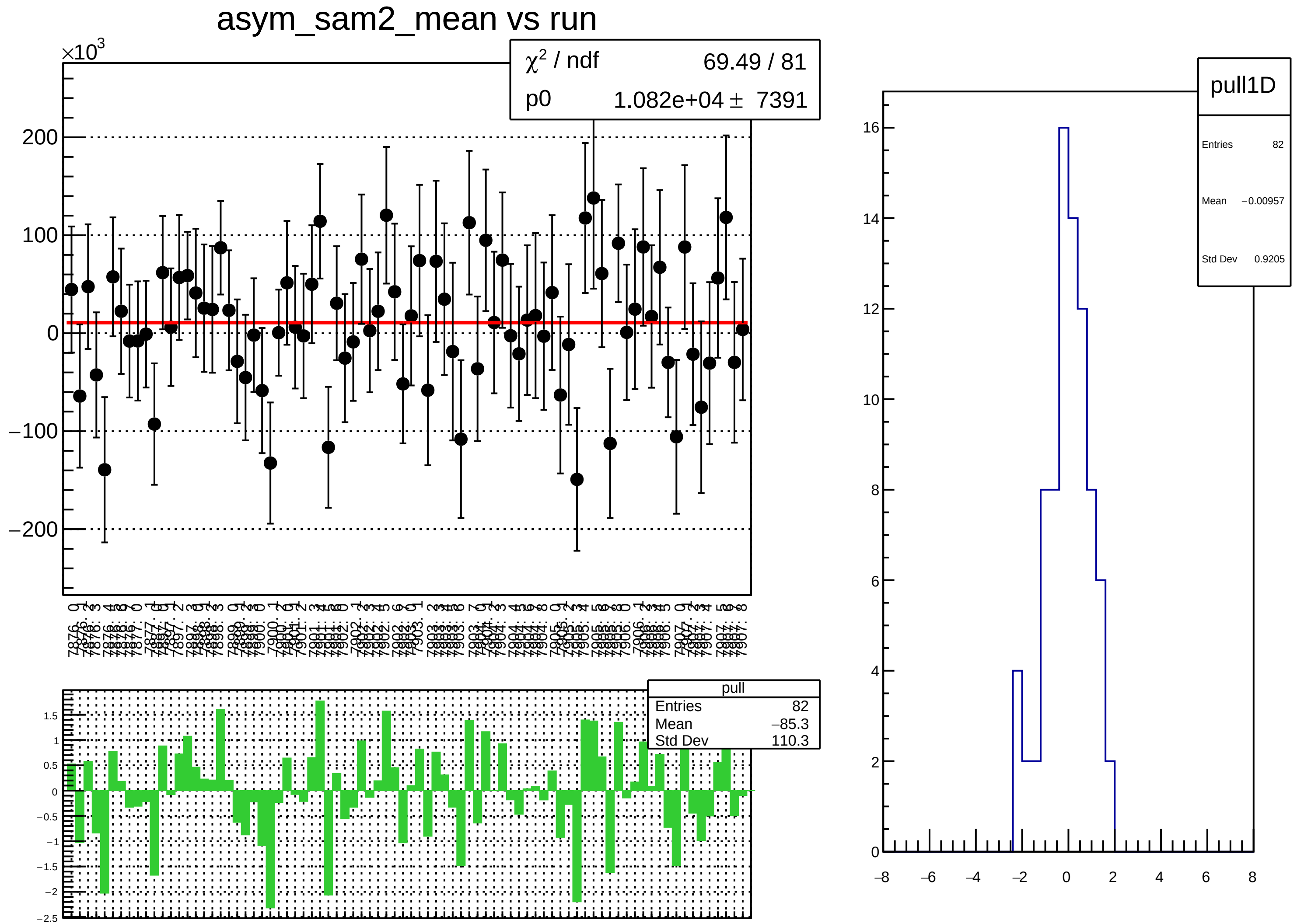


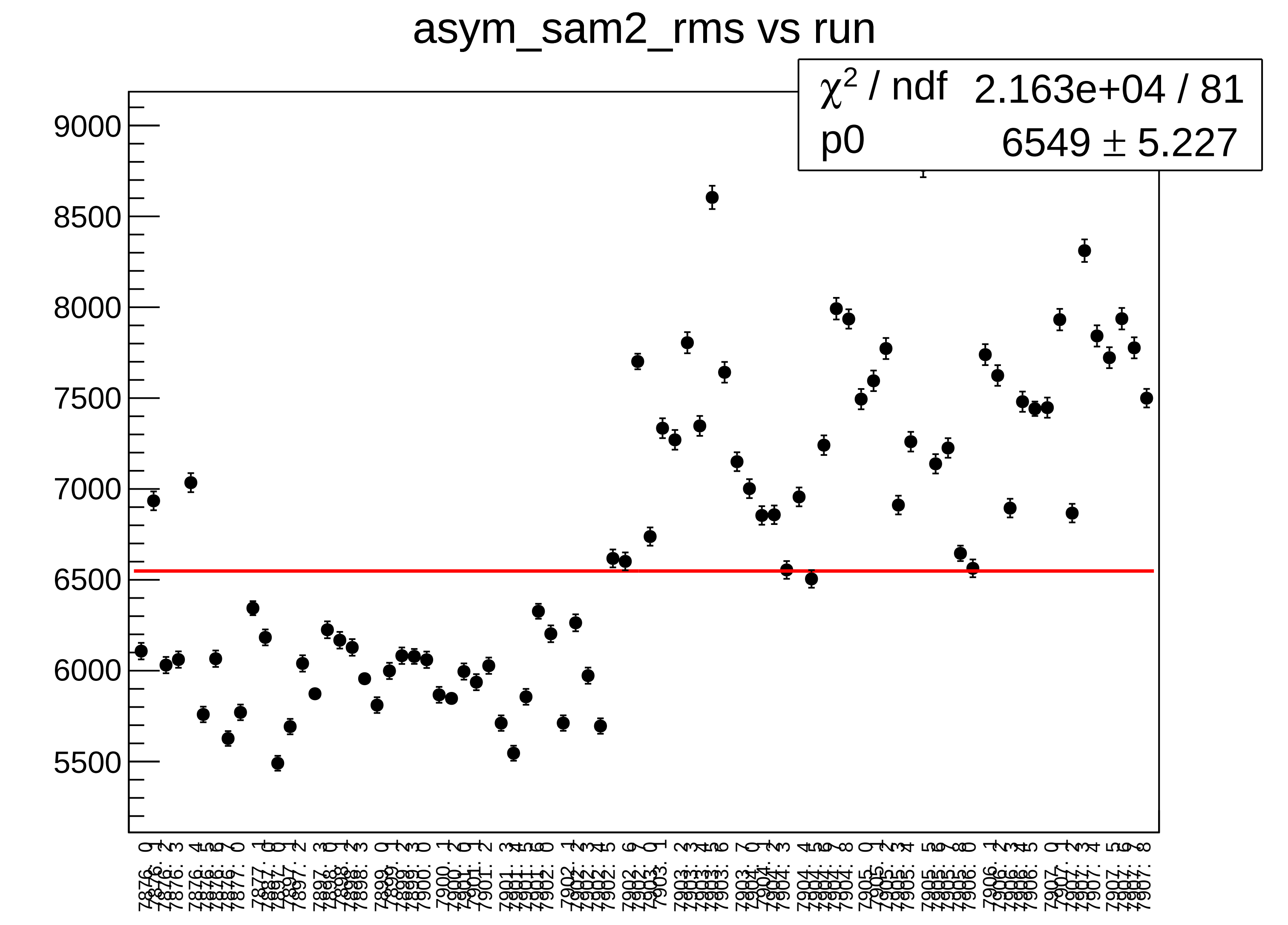
dit_asym_sam2_rms vs run
χ^2 / ndf 1.046e+04 / 81
p0 450.4 ± 0.3582
600
550
500
450
400



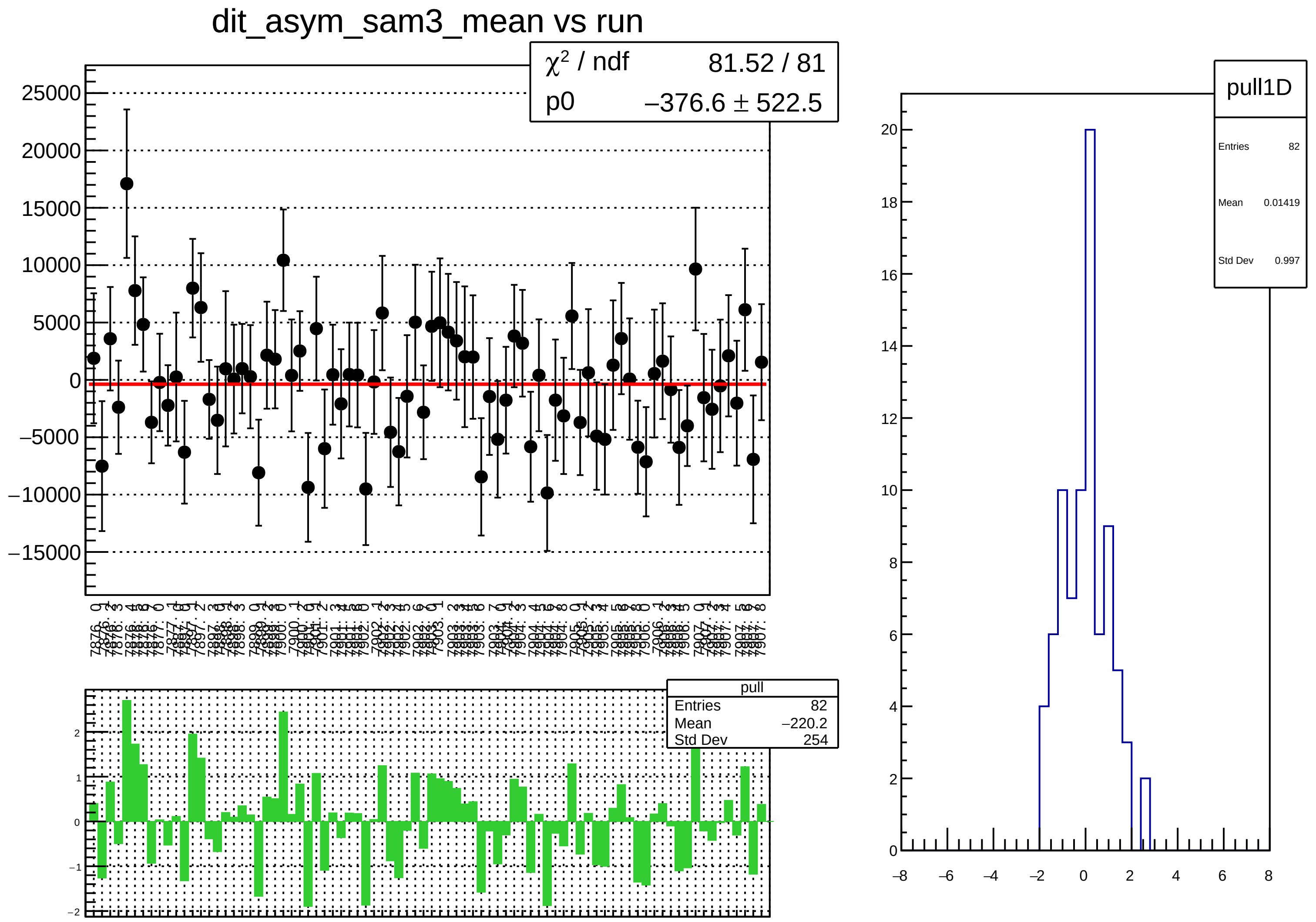
asym_sam2_correction_mean vs run
$\times 10^3$
χ^2 / ndf 69.41 / 81
p0 −1.087e+04 ± 7448
pull
Entries 82
Mean −91.95
Std Dev 117.5
pull1D
Entries 82
Mean 0.01096
Std Dev 0.9199


asym_sam2_correction_rms vs run
χ^2 / ndf 2.166e+04 / 81
p0 6599 ± 5.267
9000
8500
8000
7500
7000
6500
6000
5500

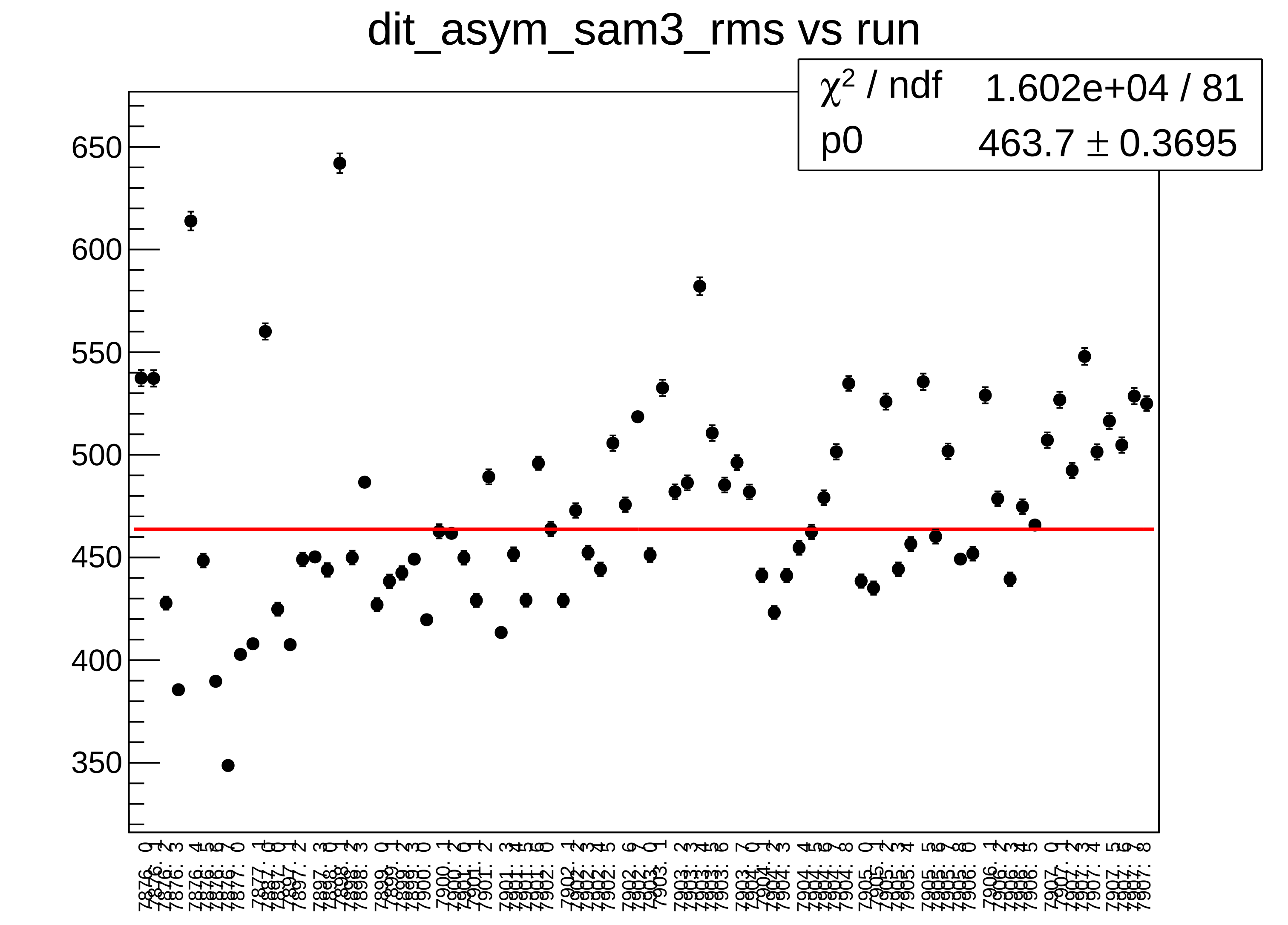

asym_sam2_mean vs run
×10^3
χ2 / ndf 69.49 / 81
p0 1.082e+04 ± 7391
pull
Entries 82
Mean −85.3
Std Dev 110.3
pull1D
Entries 82
Mean −0.00957
Std Dev 0.9205

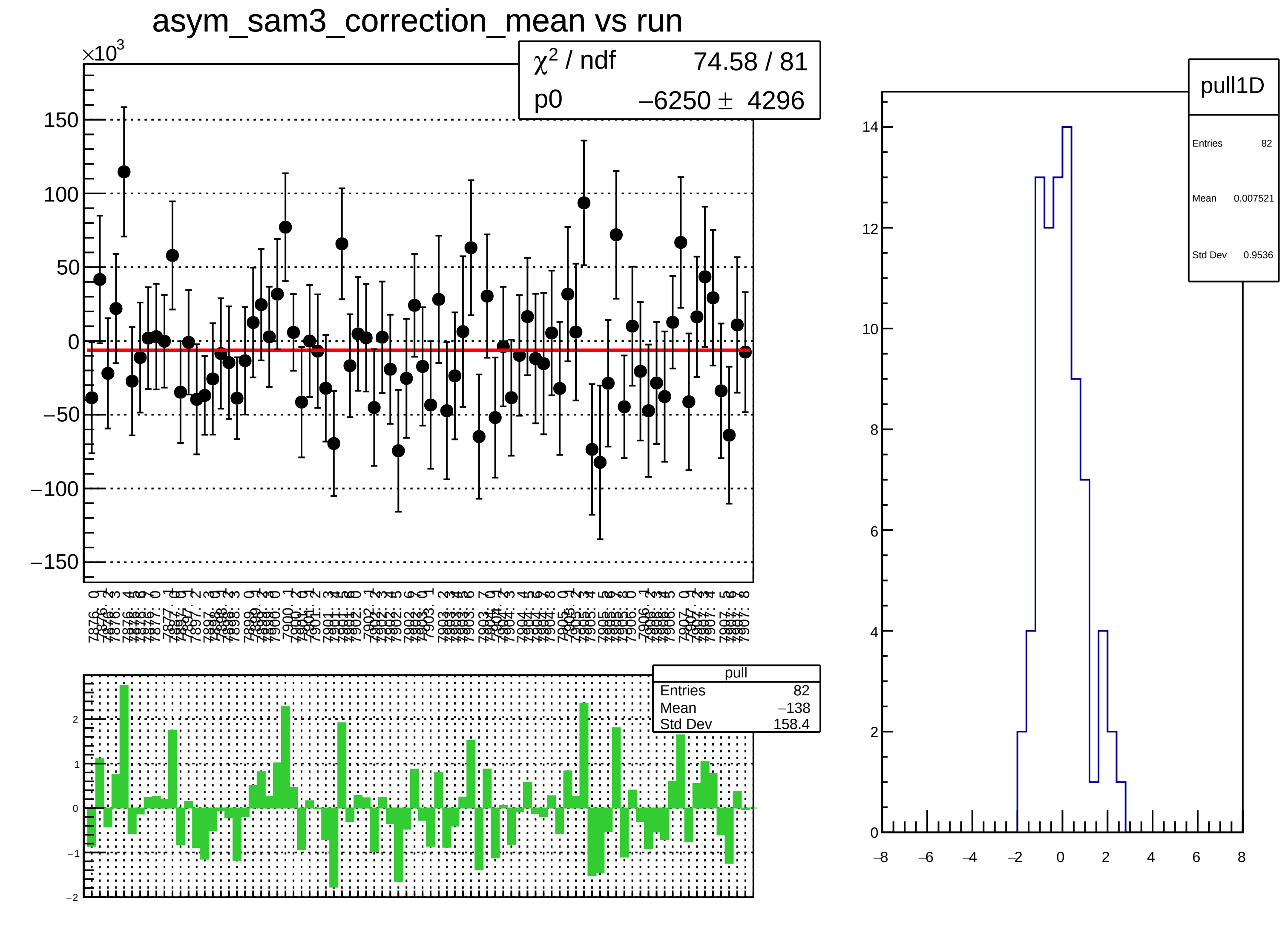


asym_sam2_rms vs run
χ2 / ndf 2.163e+04 / 81
p0 6549 ± 5.227
9000
8500
8000
7500
7000
6500
6000
5500

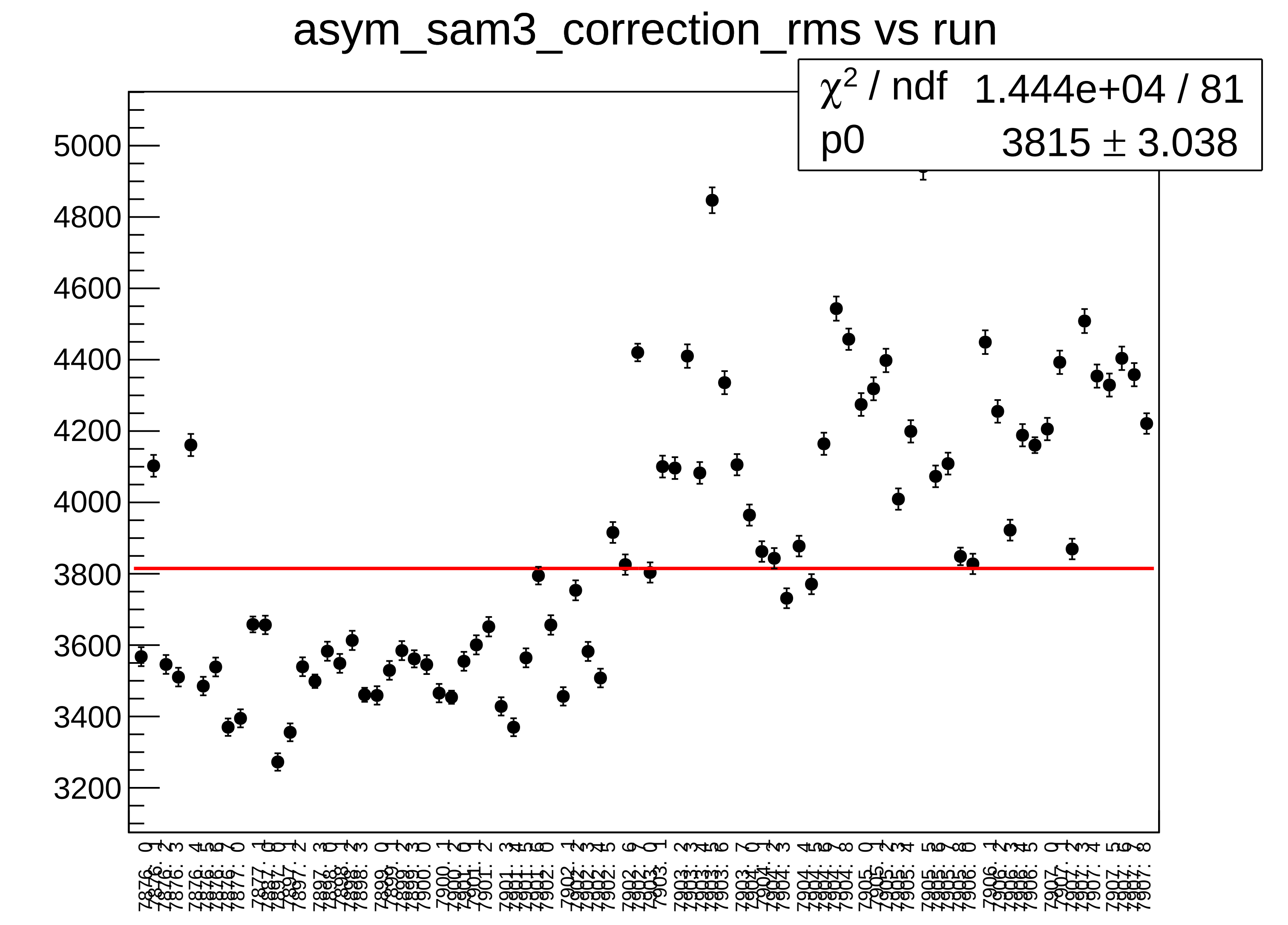


dit_asym_sam3_mean vs run
χ² / ndf 81.52 / 81
p0 −376.6 ± 522.5
pull
Entries 82
Mean −220.2
Std Dev 254
pull1D
Entries 82
Mean 0.01419
Std Dev 0.997

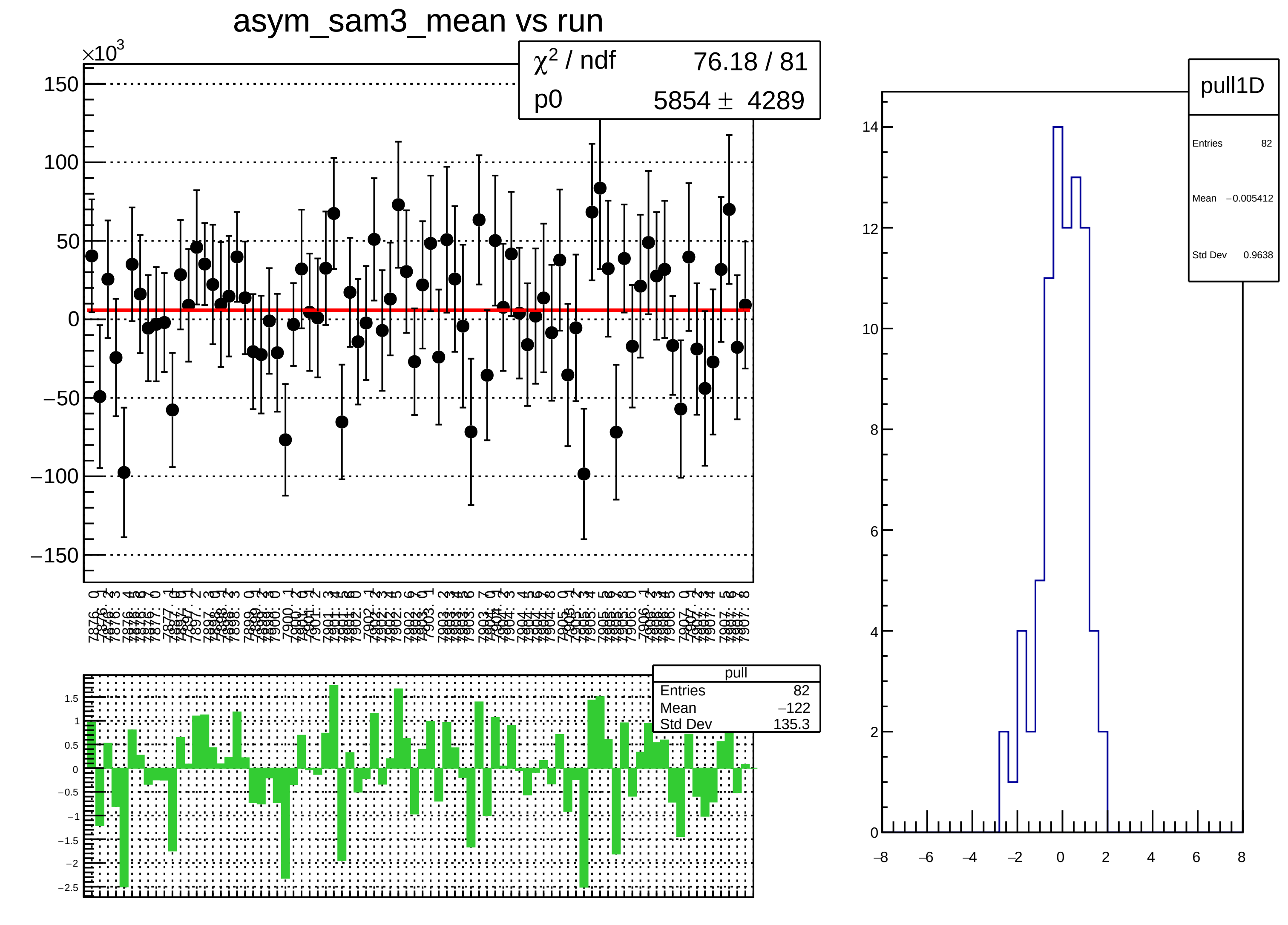

dit_asym_sam3_rms vs run
χ2 / ndf 1.602e+04 / 81
p0 463.7 ± 0.3695
650
600
550
500
450
400
350



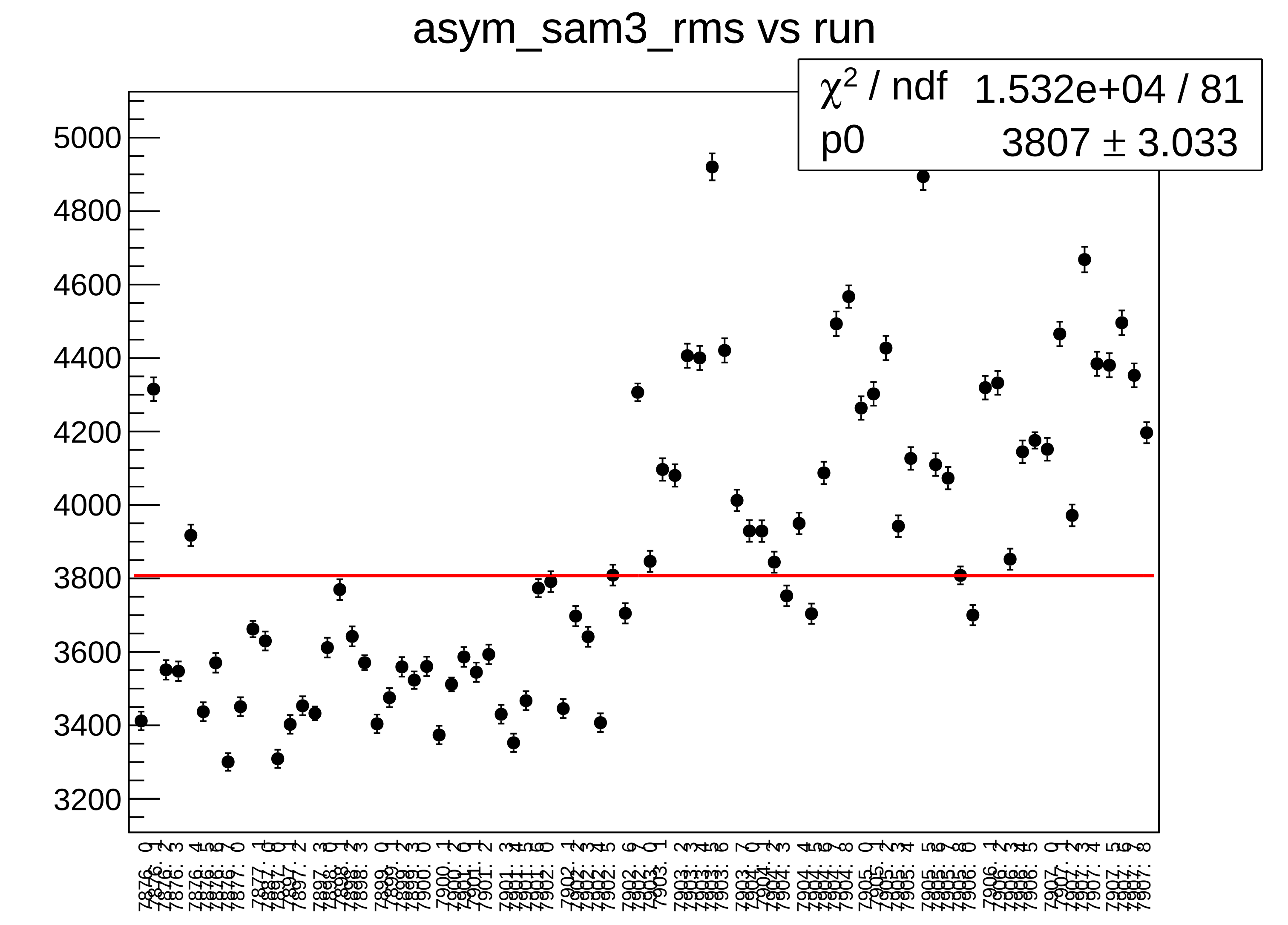
asym_sam3_correction_mean vs run
$\times10^3$
χ^2 / ndf 74.58 / 81
p0 −6250 ± 4296
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −138
Std Dev 158.4
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.007521
Std Dev 0.9536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



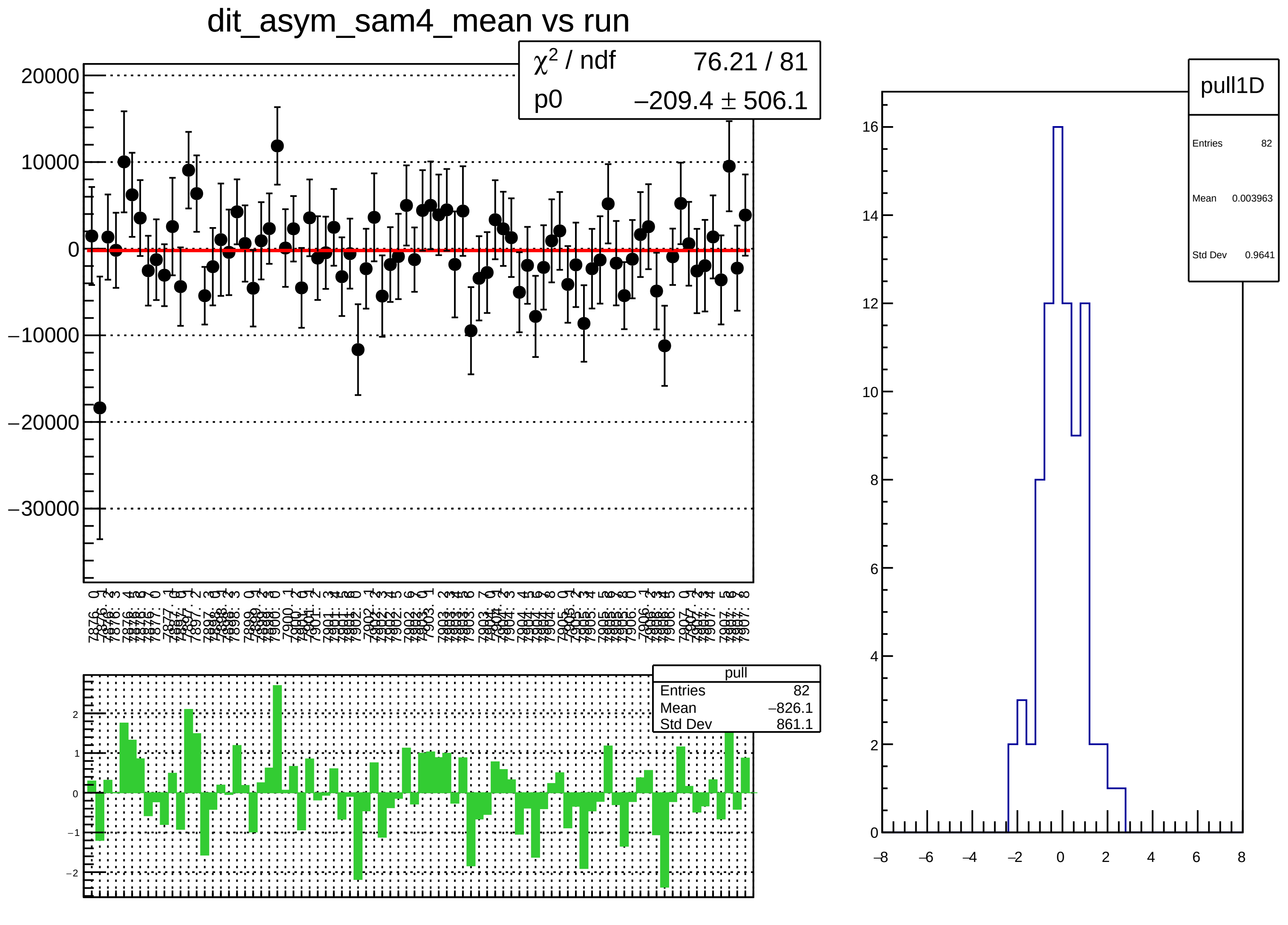
asym_sam3_correction_rms vs run
χ^2 / ndf 1.444e+04 / 81
p0 3815 ± 3.038
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

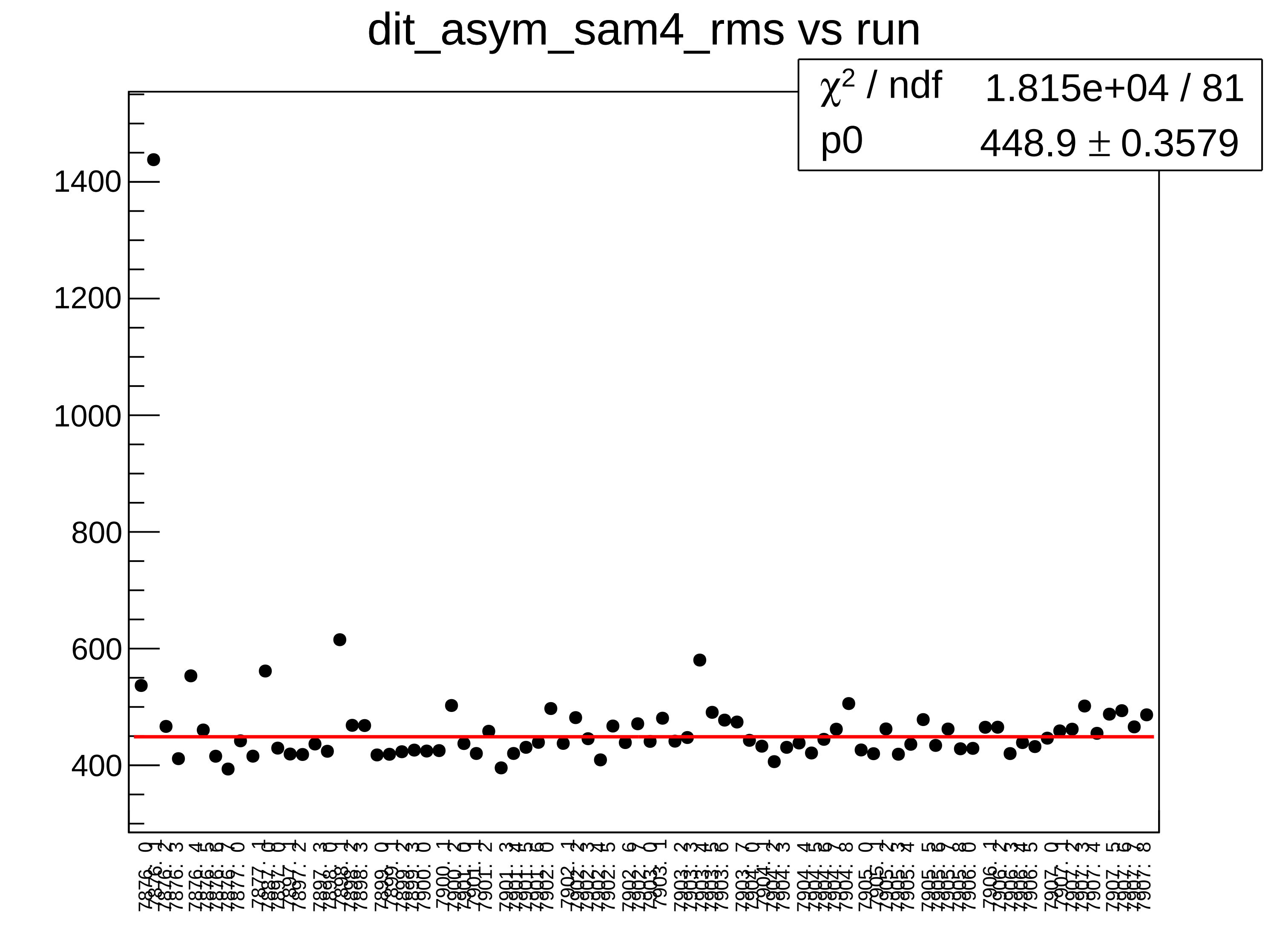


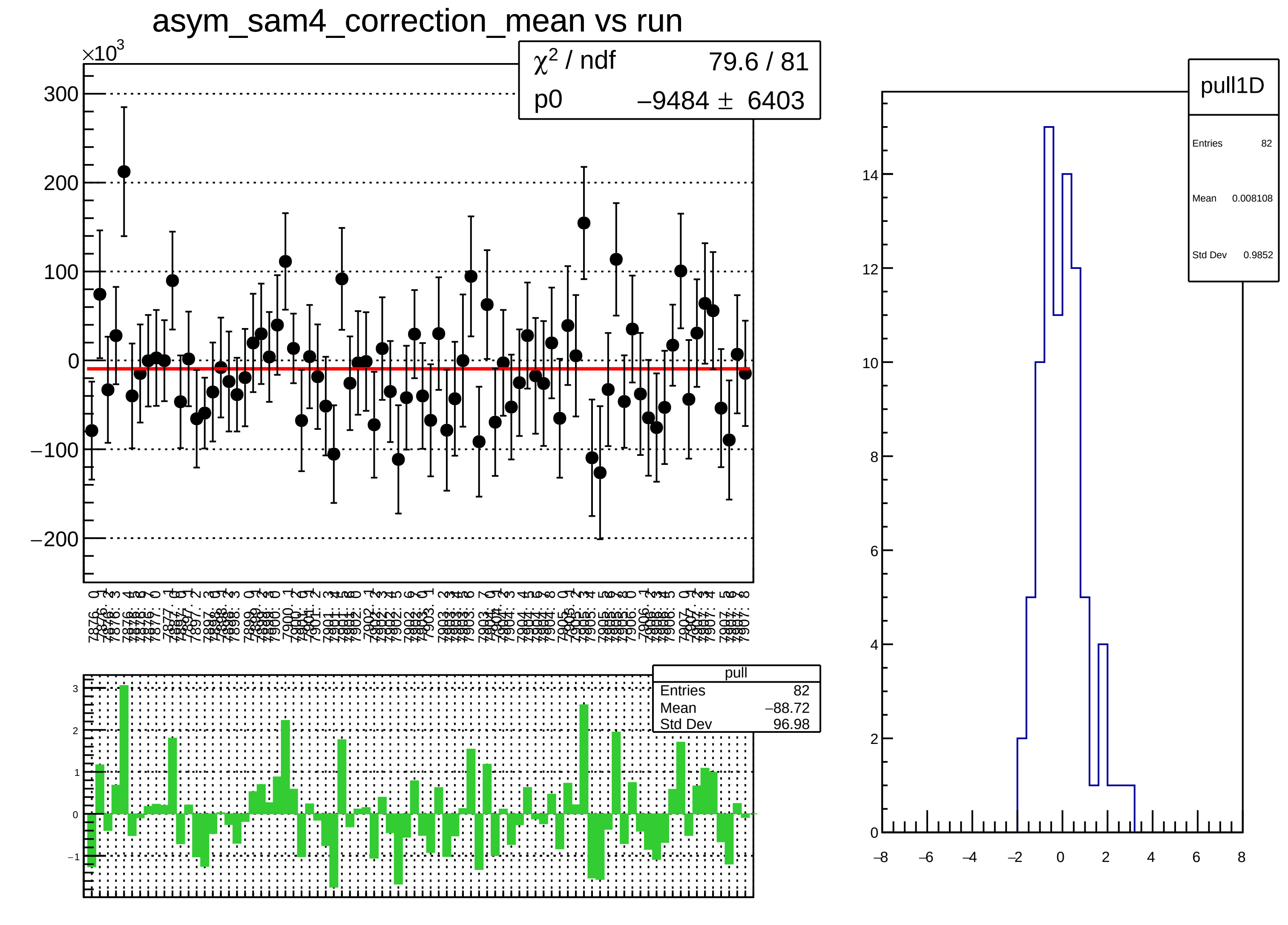
asym_sam3_mean vs run
×10^3
χ^2 / ndf 76.18 / 81
p0 5854 ± 4289
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −122
Std Dev 135.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.005412
Std Dev 0.9638
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

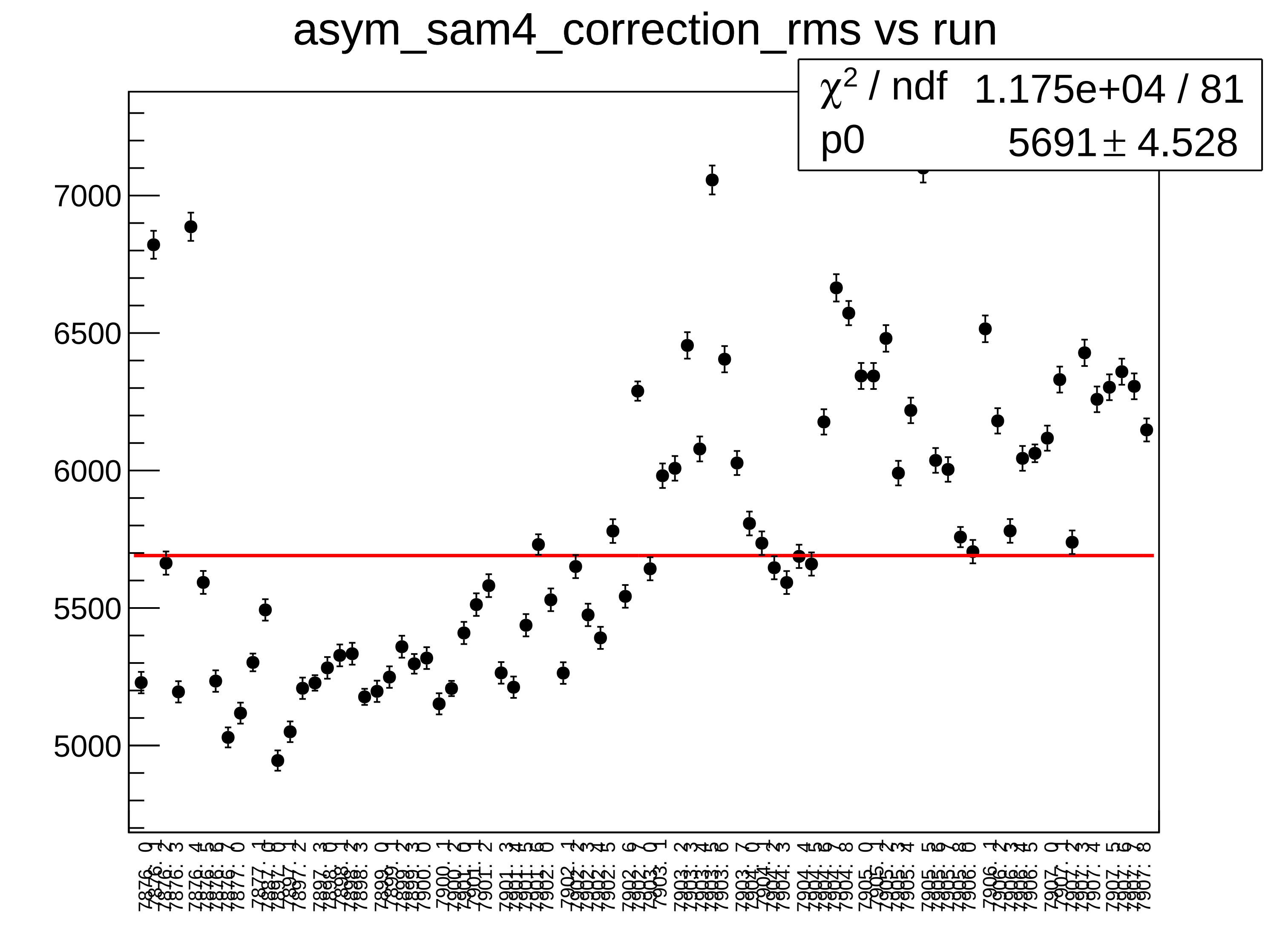


asym_sam3_rms vs run
χ2 / ndf 1.532e+04 / 81
p0 3807 ± 3.033
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

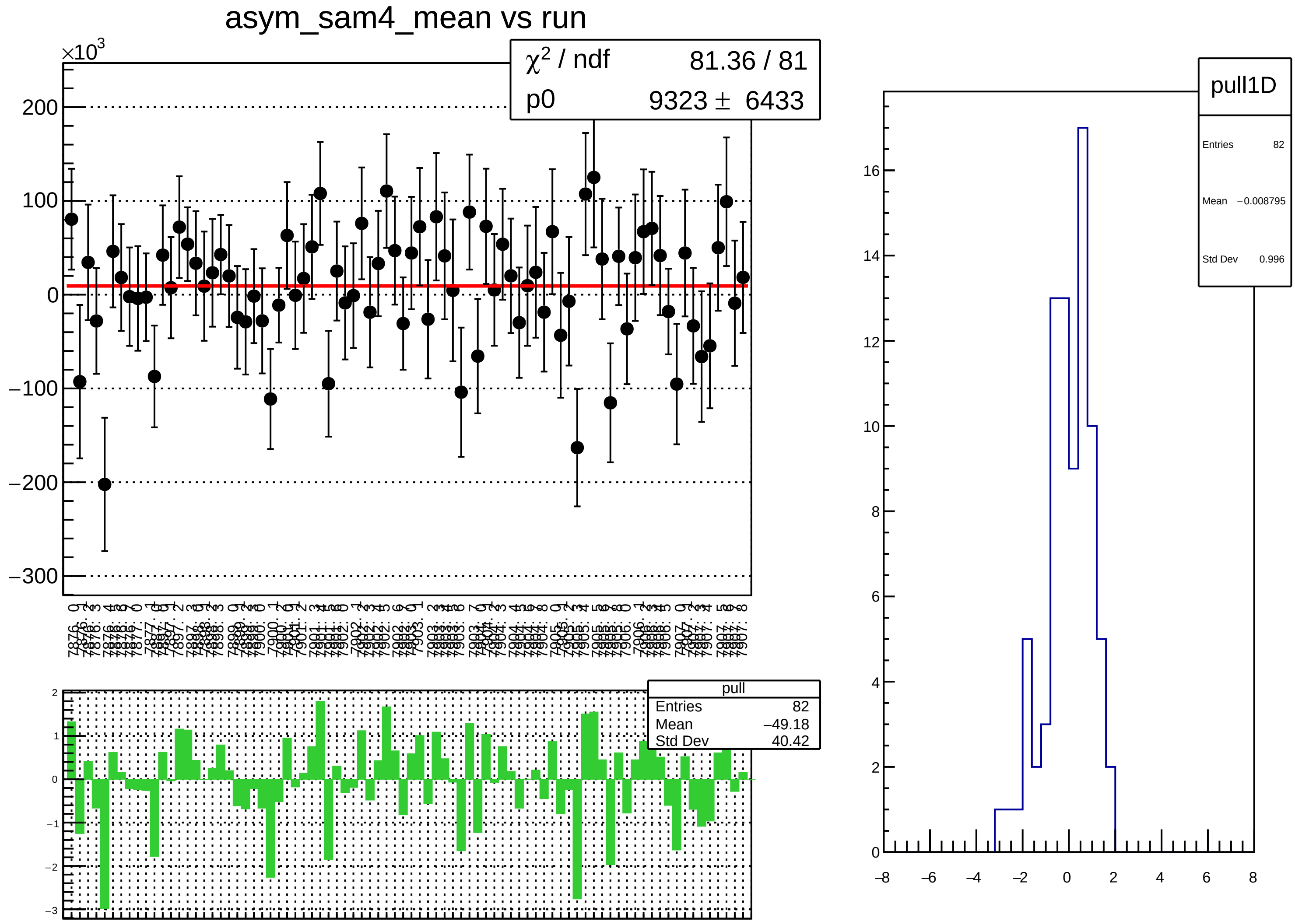

dit_asym_sam4_mean vs run
χ^2 / ndf 76.21 / 81
p0 −209.4 ± 506.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −826.1
Std Dev 861.1
pull1D
Entries 82
Mean 0.003963
Std Dev 0.9641


dit_asym_sam4_rms vs run
χ^2 / ndf 1.815e+04 / 81
p0 448.9 ± 0.3579
1400
1200
1000
800
600
400

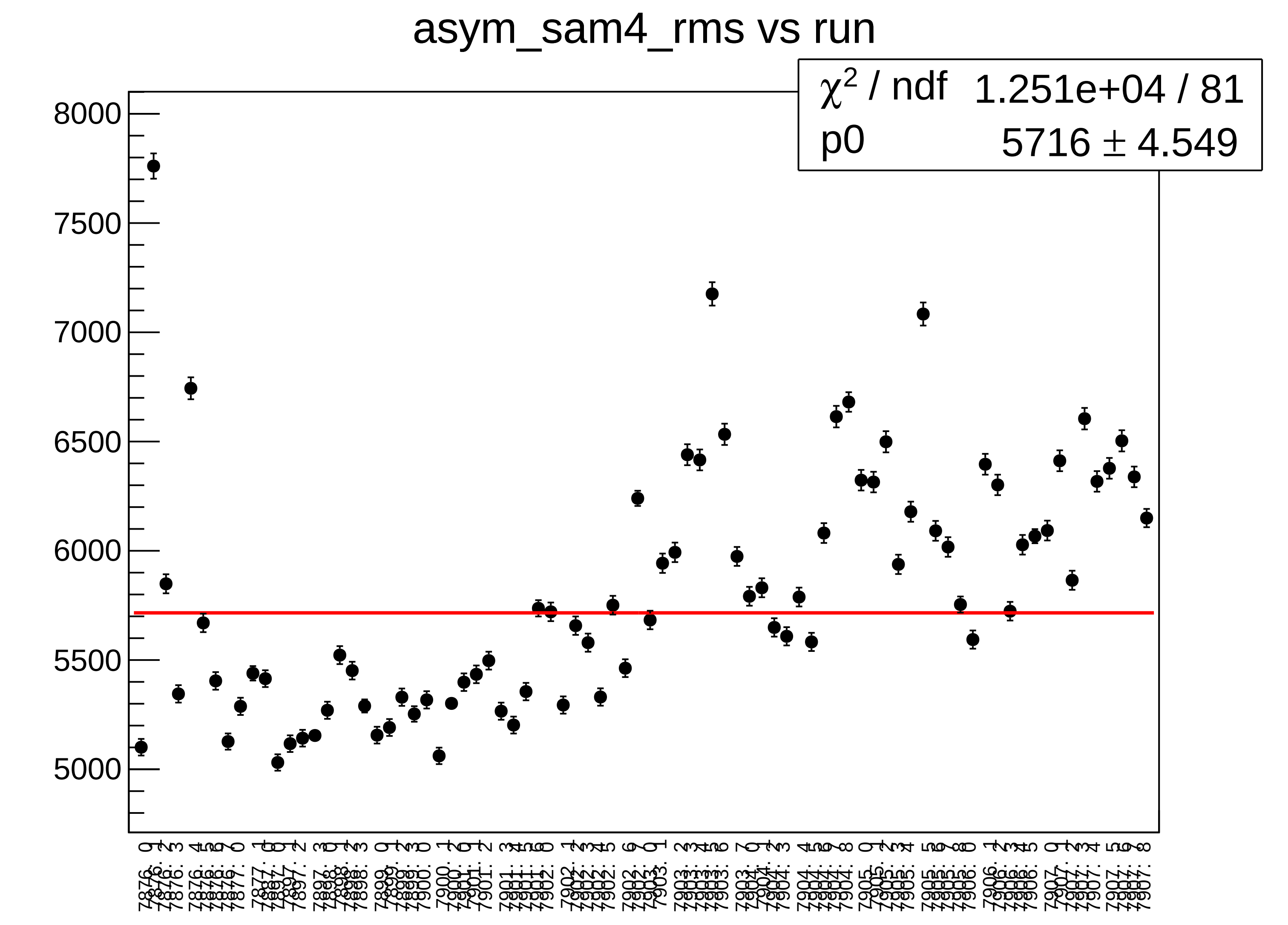

asym_sam4_correction_mean vs run
×10^3
χ2 / ndf 79.6 / 81
p0 −9484 ± 6403
300
200
100
0
−100
−200
pull
Entries 82
Mean −88.72
Std Dev 96.98
3
2
1
0
−1
pull1D
Entries 82
Mean 0.008108
Std Dev 0.9852
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

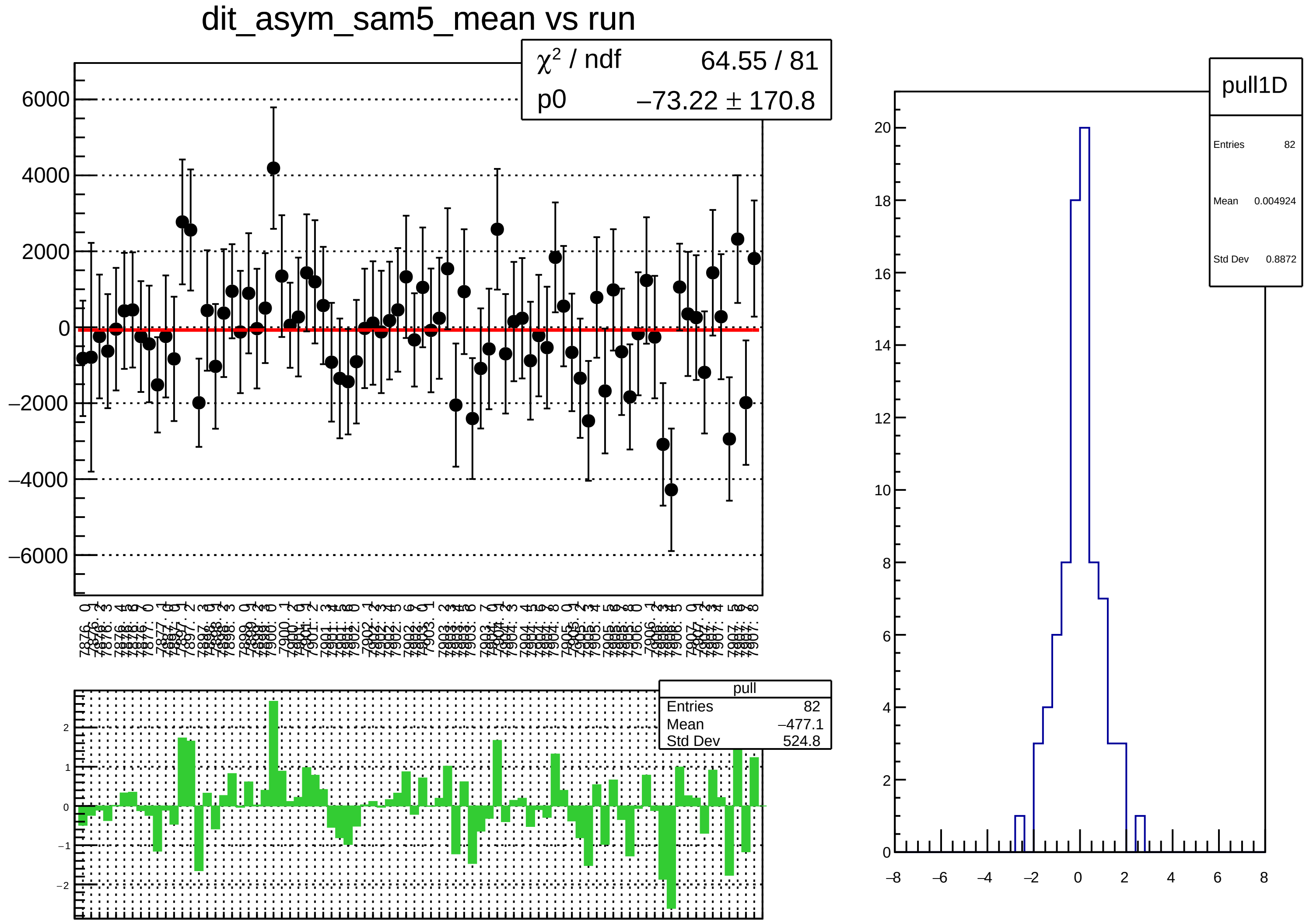


asym_sam4_correction_rms vs run
χ^2 / ndf 1.175e+04 / 81
p0 5691 ± 4.528
7000
6500
6000
5500
5000

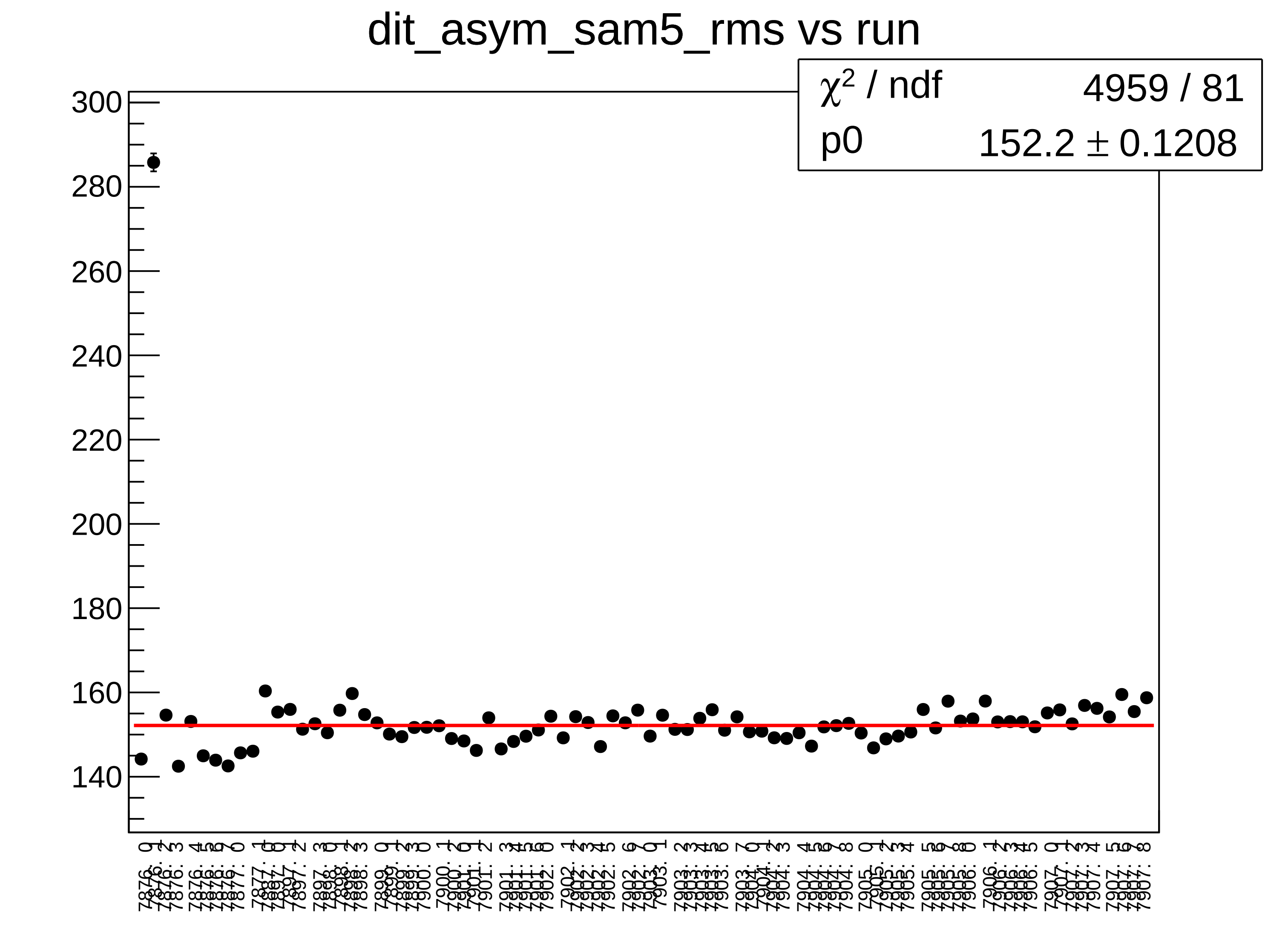


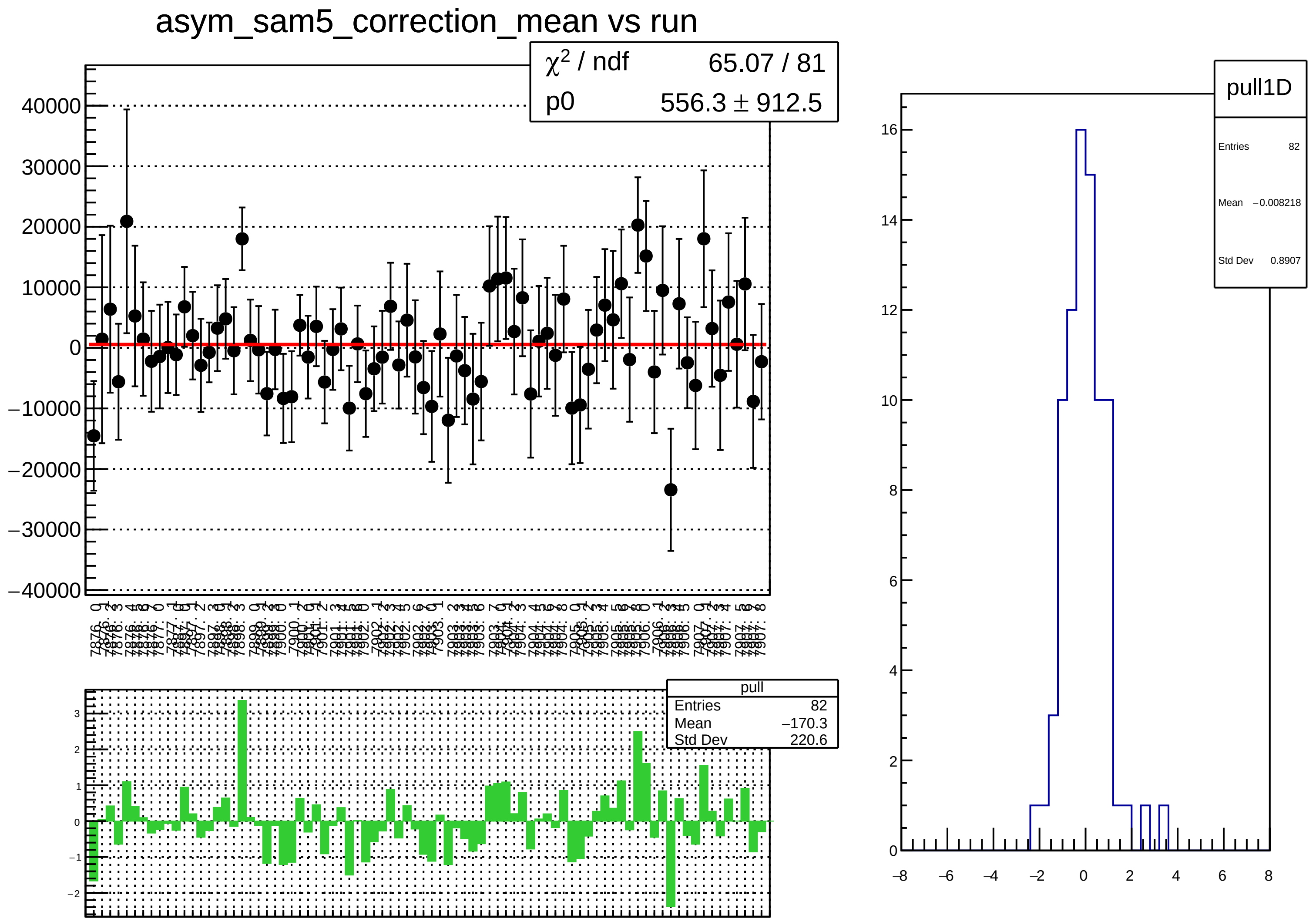
asym_sam4_mean vs run
×10^3
χ2 / ndf 81.36 / 81
p0 9323 ± 6433
200
100
0
−100
−200
−300
pull
Entries 82
Mean −49.18
Std Dev 40.42
pull1D
Entries 82
Mean −0.008795
Std Dev 0.996


asym_sam4_rms vs run
χ^2 / ndf 1.251e+04 / 81
p0 5716 ± 4.549
8000
7500
7000
6500
6000
5500
5000

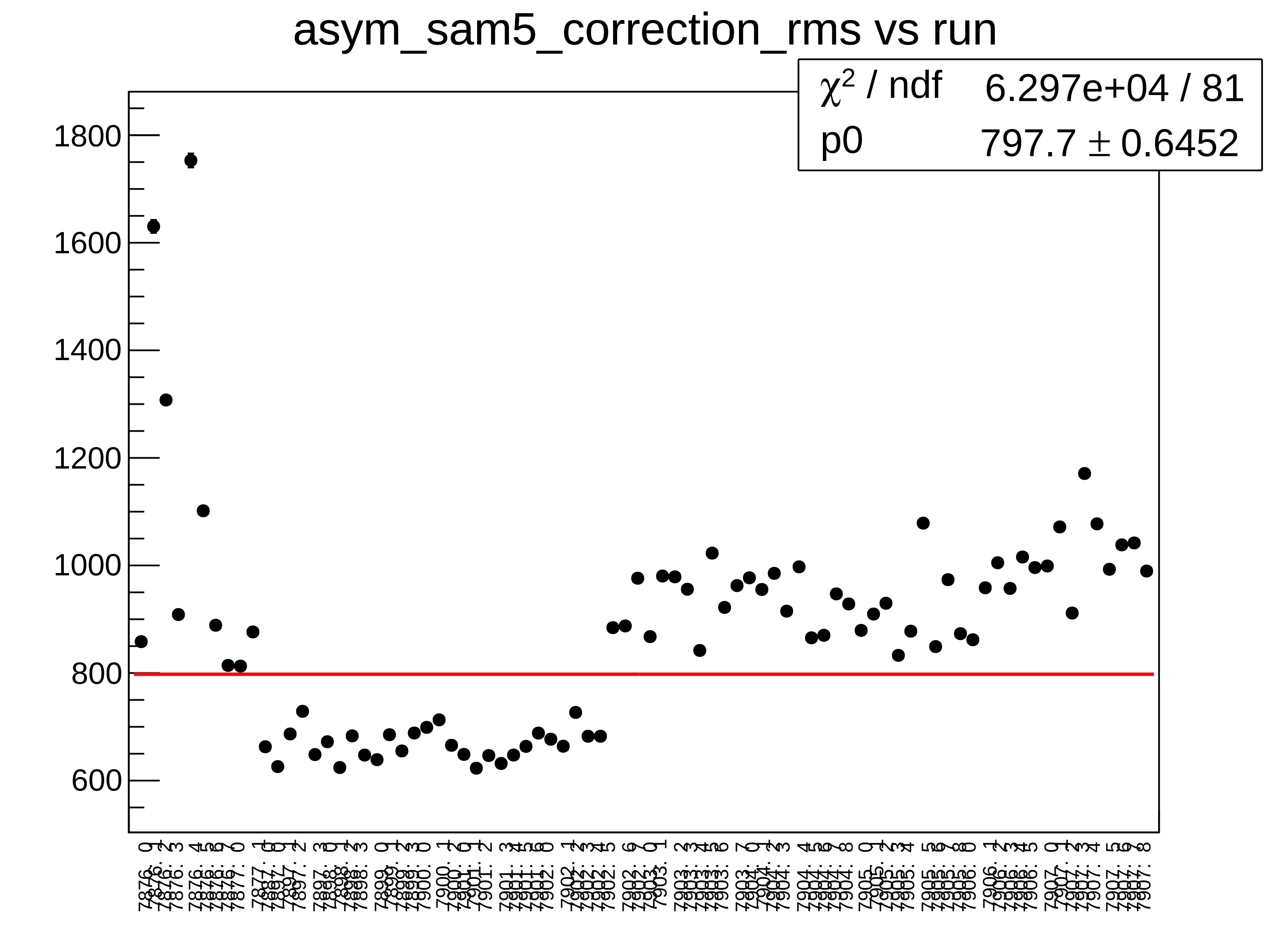


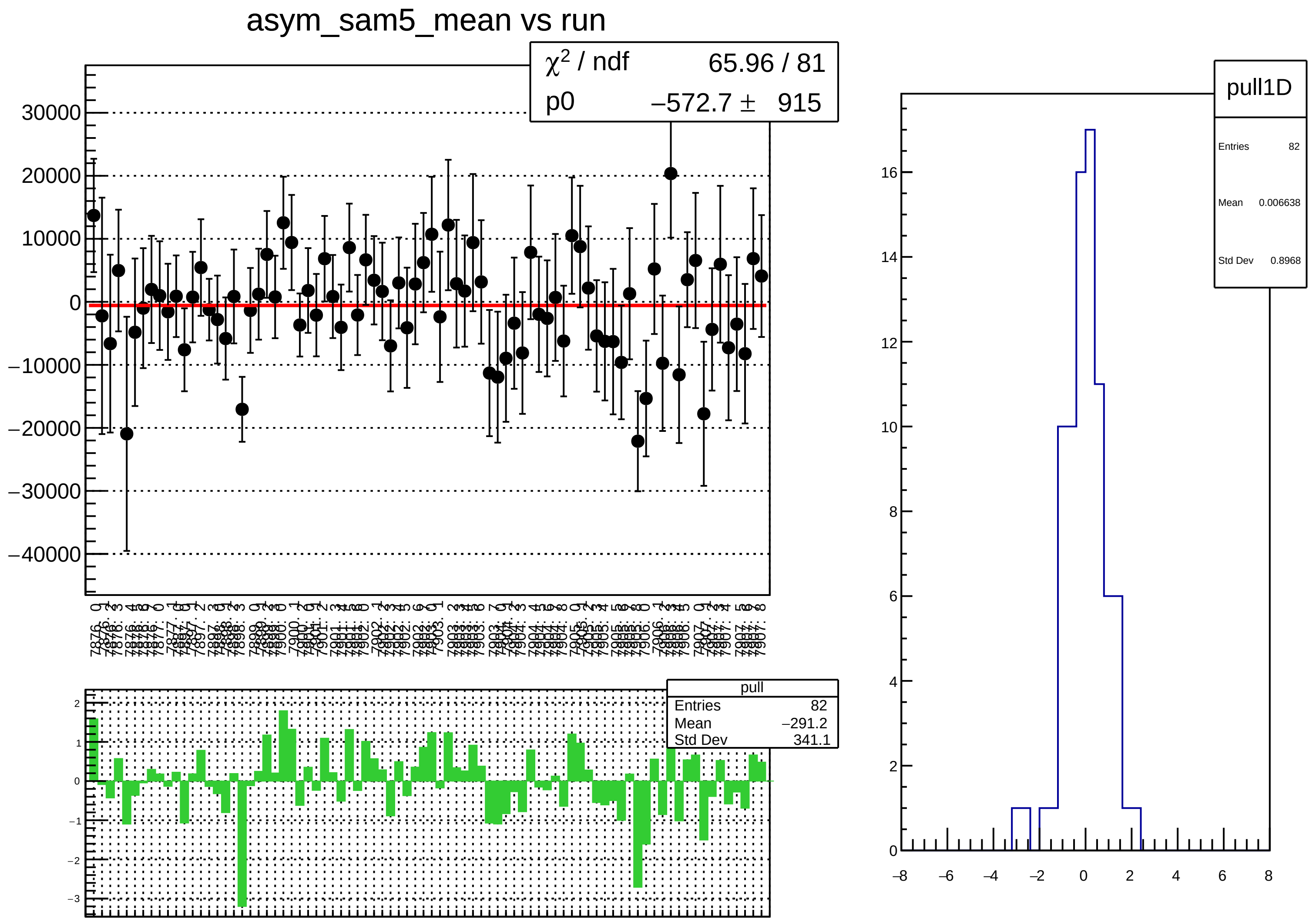
dit_asym_sam5_mean vs run
χ^2 / ndf 64.55 / 81
p0 −73.22 ± 170.8
pull
Entries 82
Mean −477.1
Std Dev 524.8
pull1D
Entries 82
Mean 0.004924
Std Dev 0.8872


dit_asym_sam5_rms vs run
χ^2 / ndf 4959 / 81
p0 152.2 ± 0.1208
300
280
260
240
220
200
180
160
140

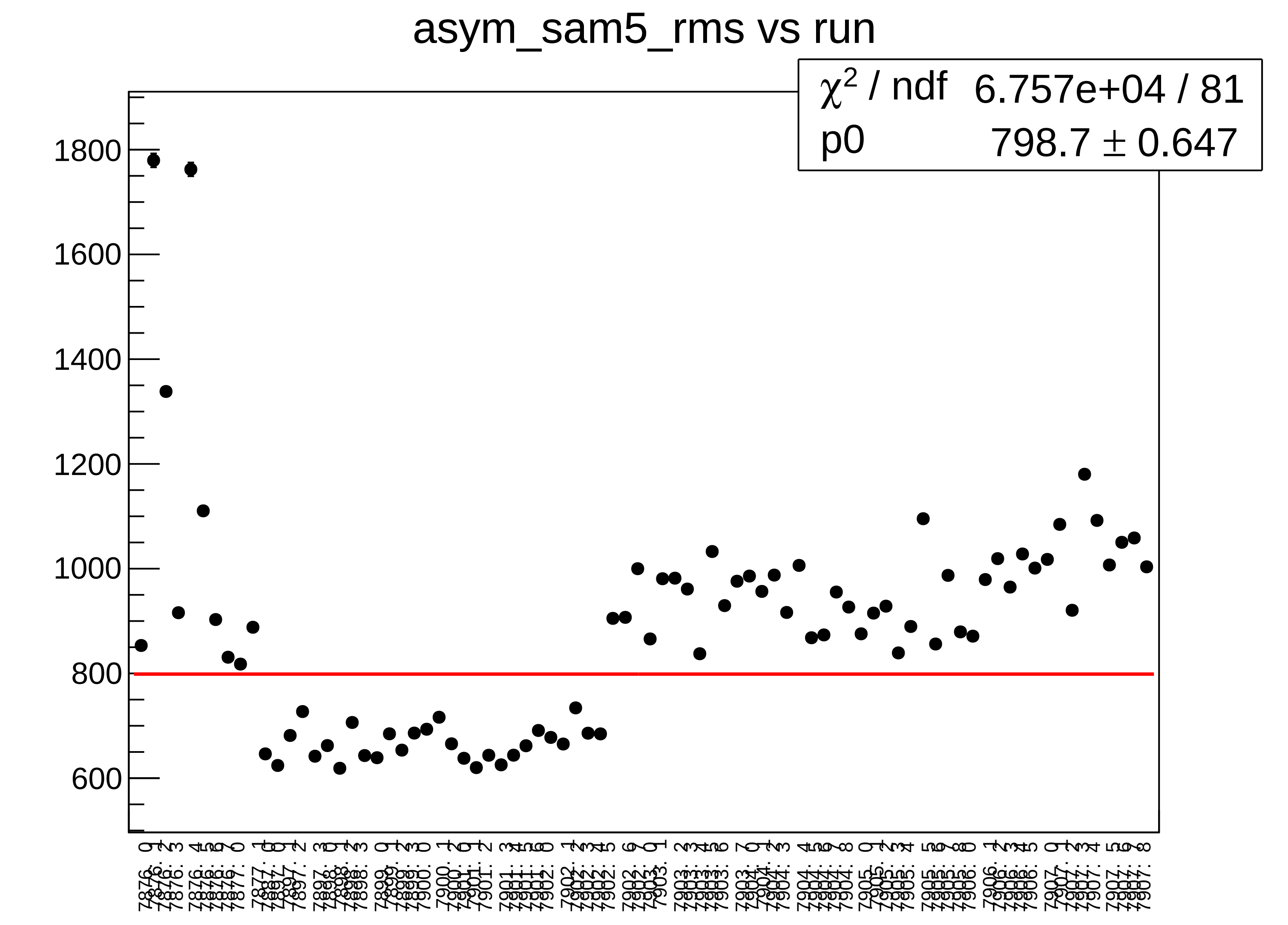


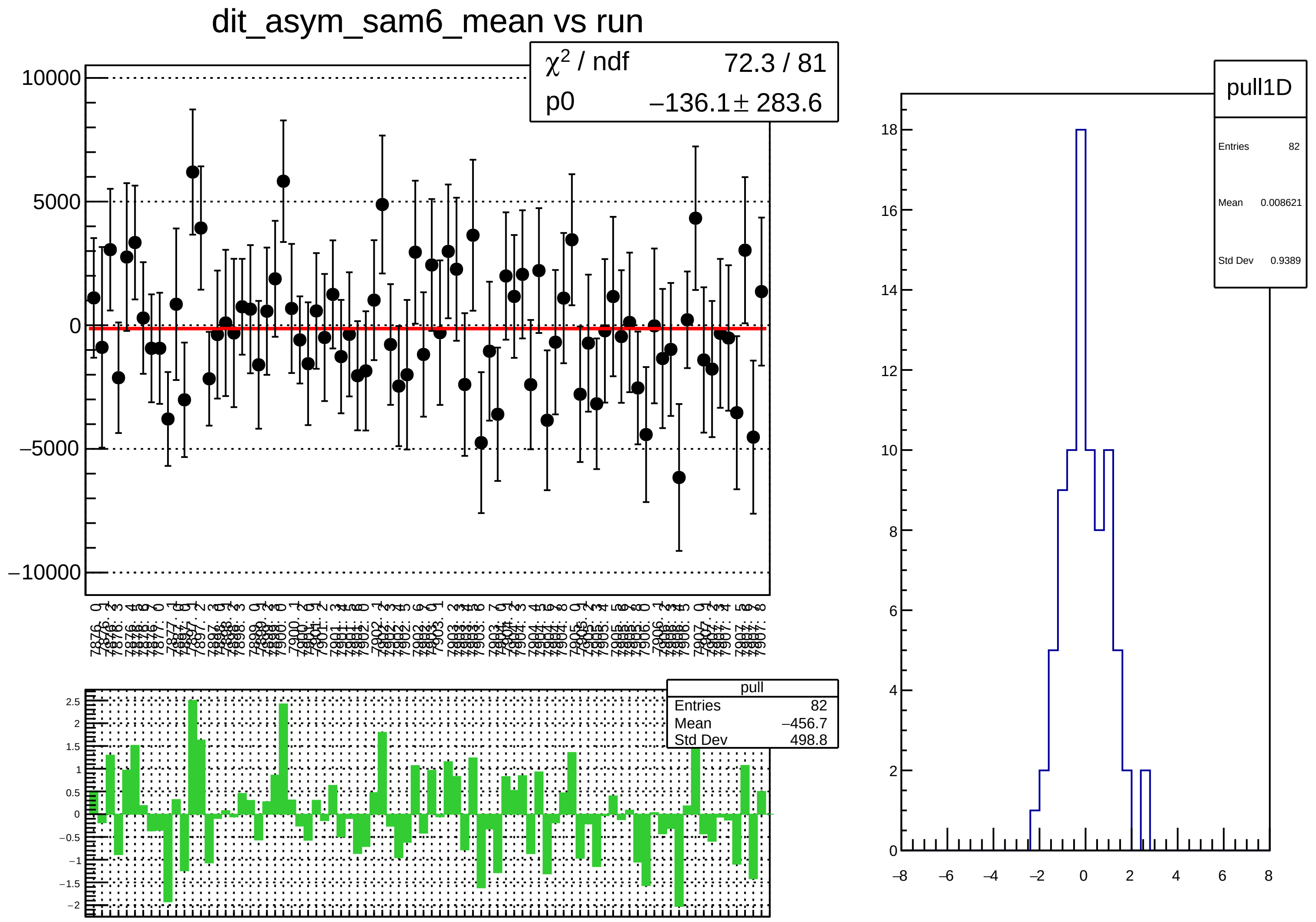
asym_sam5_correction_mean vs run
χ^2 / ndf 65.07 / 81
p0 556.3 ± 912.5
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −170.3
Std Dev 220.6
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.008218
Std Dev 0.8907
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_correction_rms vs run
χ2 / ndf 6.297e+04 / 81
p0 797.7 ± 0.6452
1800
1600
1400
1200
1000
800
600

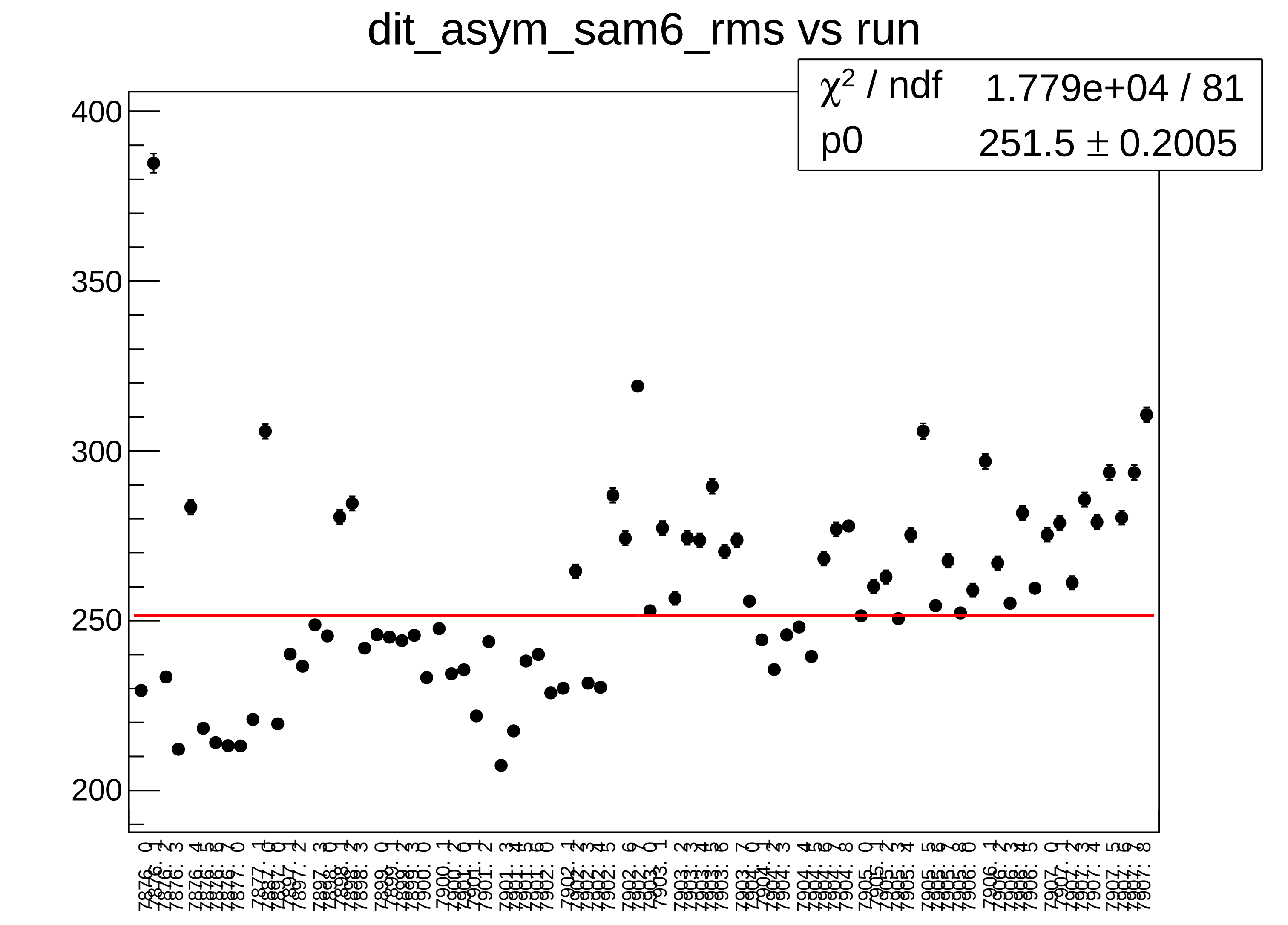


asym_sam5_mean vs run
χ2 / ndf 65.96 / 81
p0 −572.7 ± 915
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −291.2
Std Dev 341.1
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.006638
Std Dev 0.8968
16
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

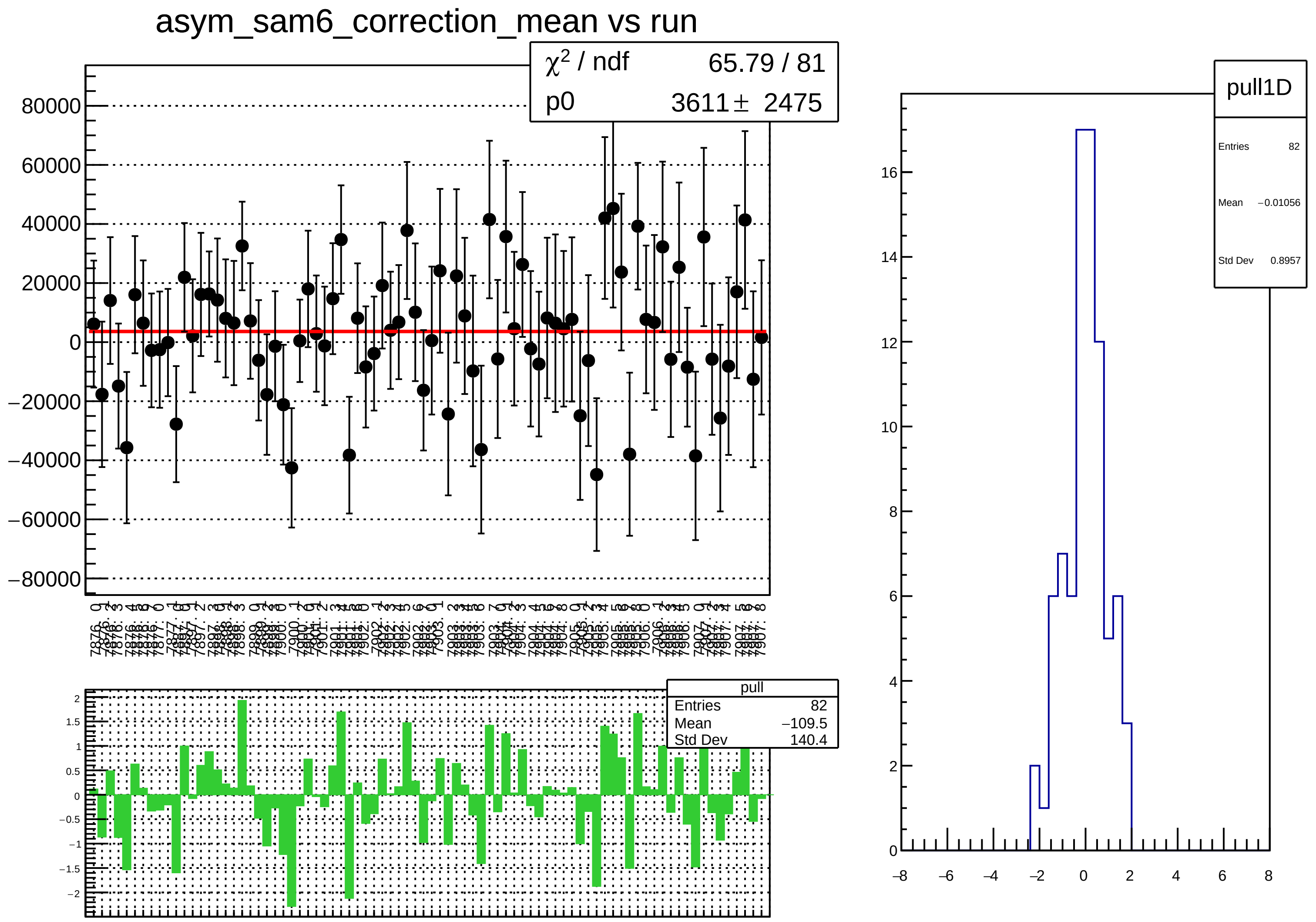

asym_sam5_rms vs run
χ2 / ndf 6.757e+04 / 81
p0 798.7 ± 0.647
1800
1600
1400
1200
1000
800
600



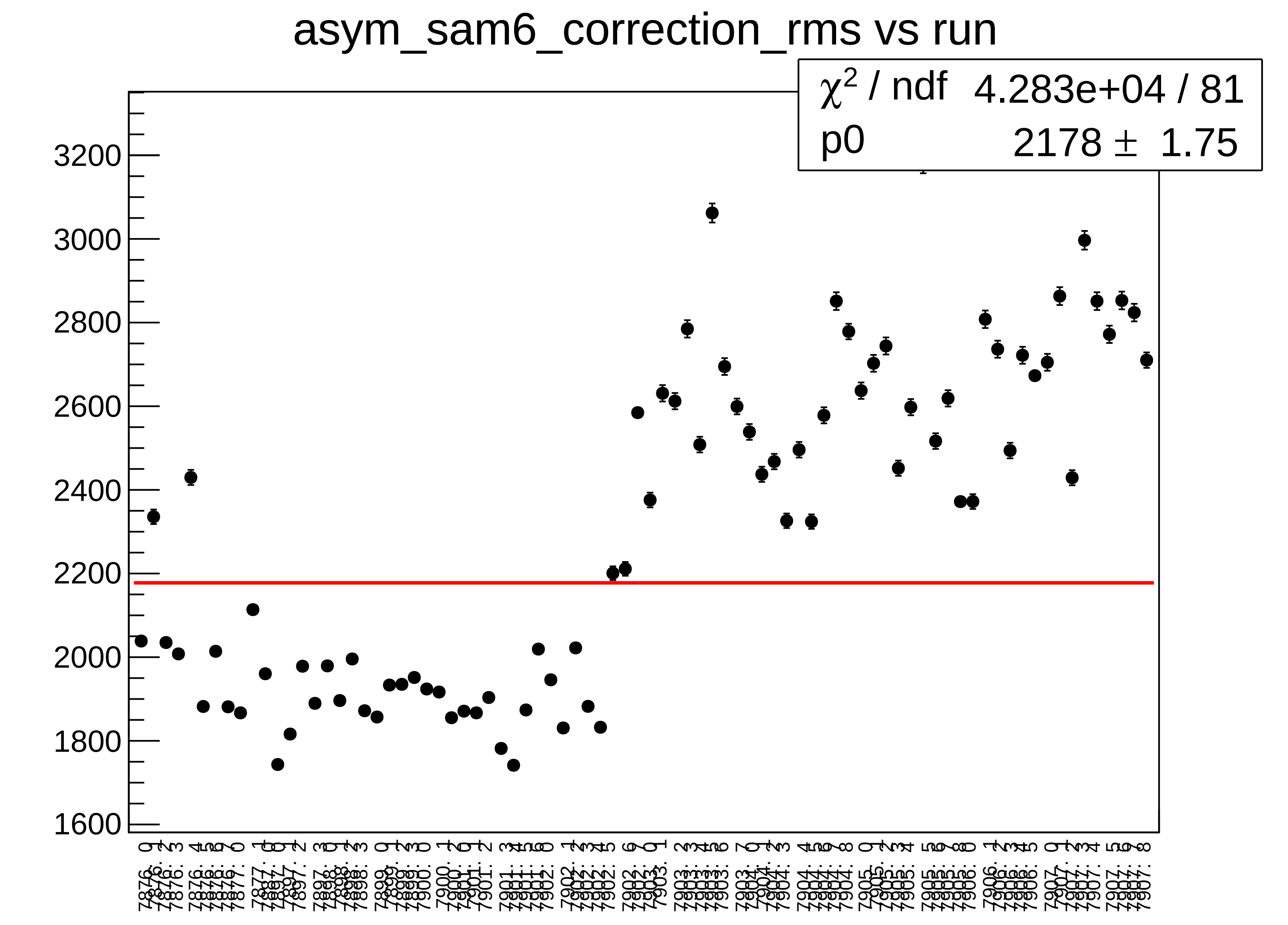
dit_asym_sam6_mean vs run
χ^2 / ndf 72.3 / 81
p0 −136.1 ± 283.6
pull
Entries 82
Mean −456.7
Std Dev 498.8
pull1D
Entries 82
Mean 0.008621
Std Dev 0.9389



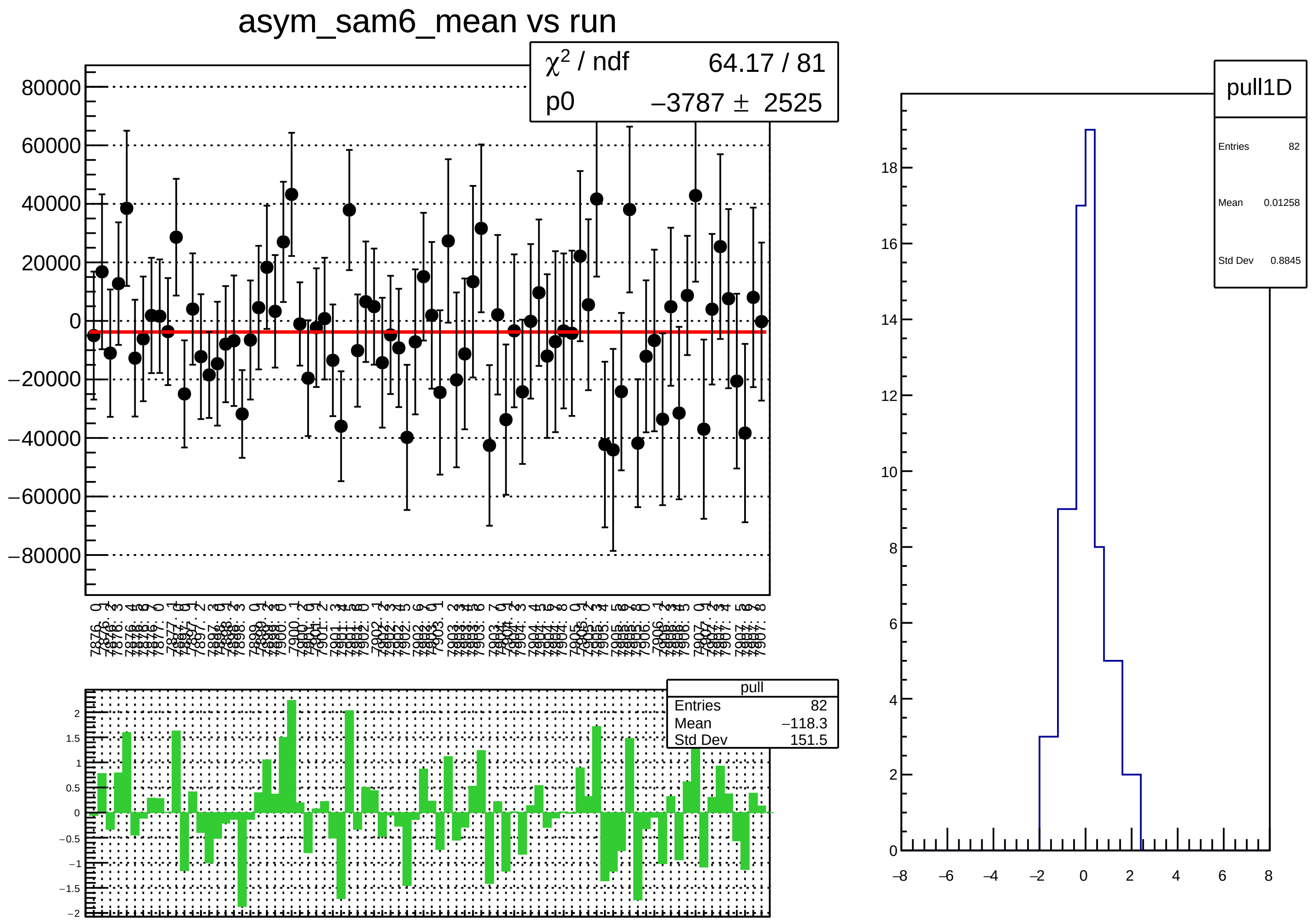
dit_asym_sam6_rms vs run
χ^2 / ndf 1.779e+04 / 81
p0 251.5 ± 0.2005
400
350
300
250
200



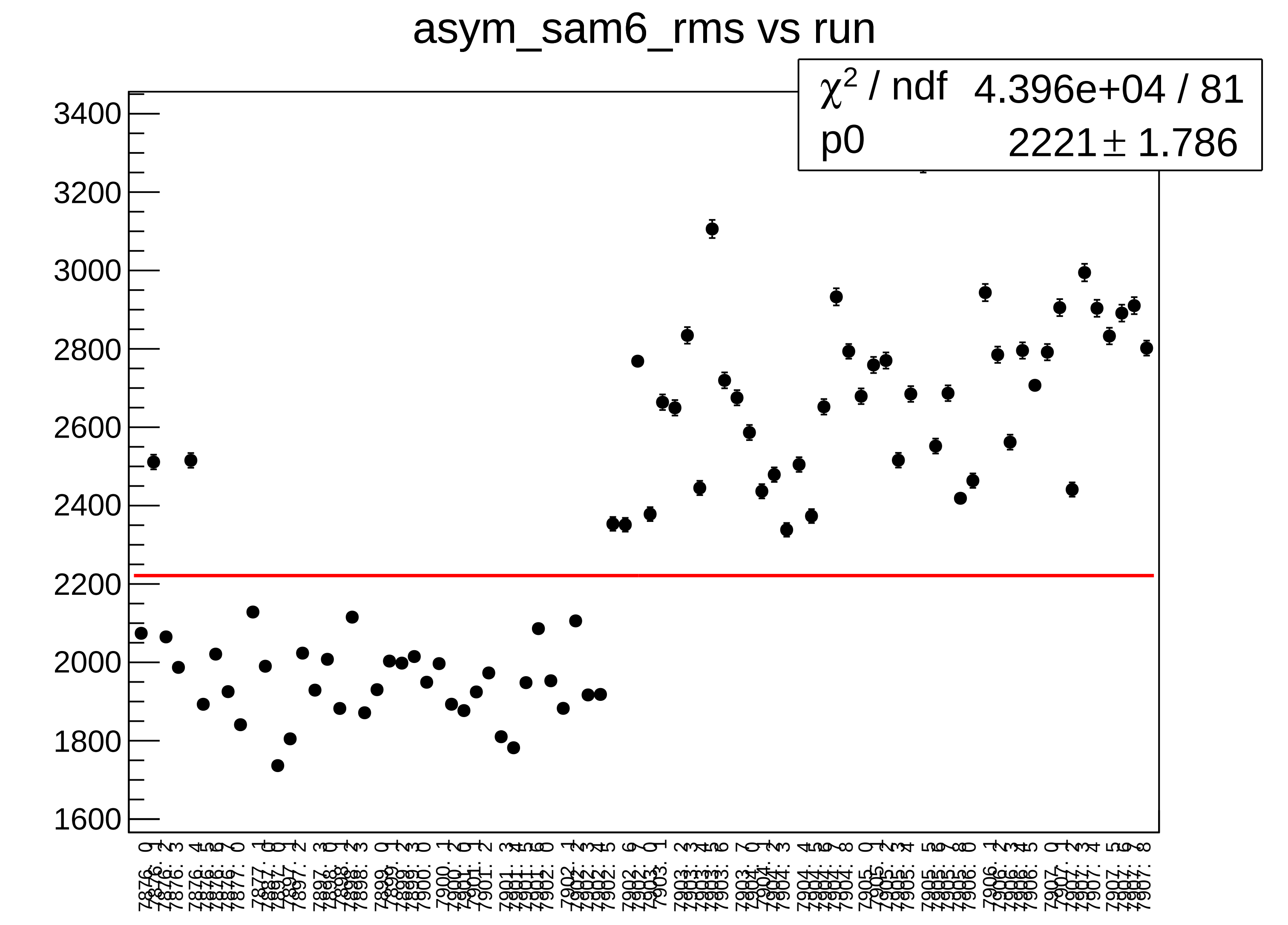
asym_sam6_correction_mean vs run
χ^2 / ndf 65.79 / 81
p0 3611 ± 2475
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −109.5
Std Dev 140.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.01056
Std Dev 0.8957
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



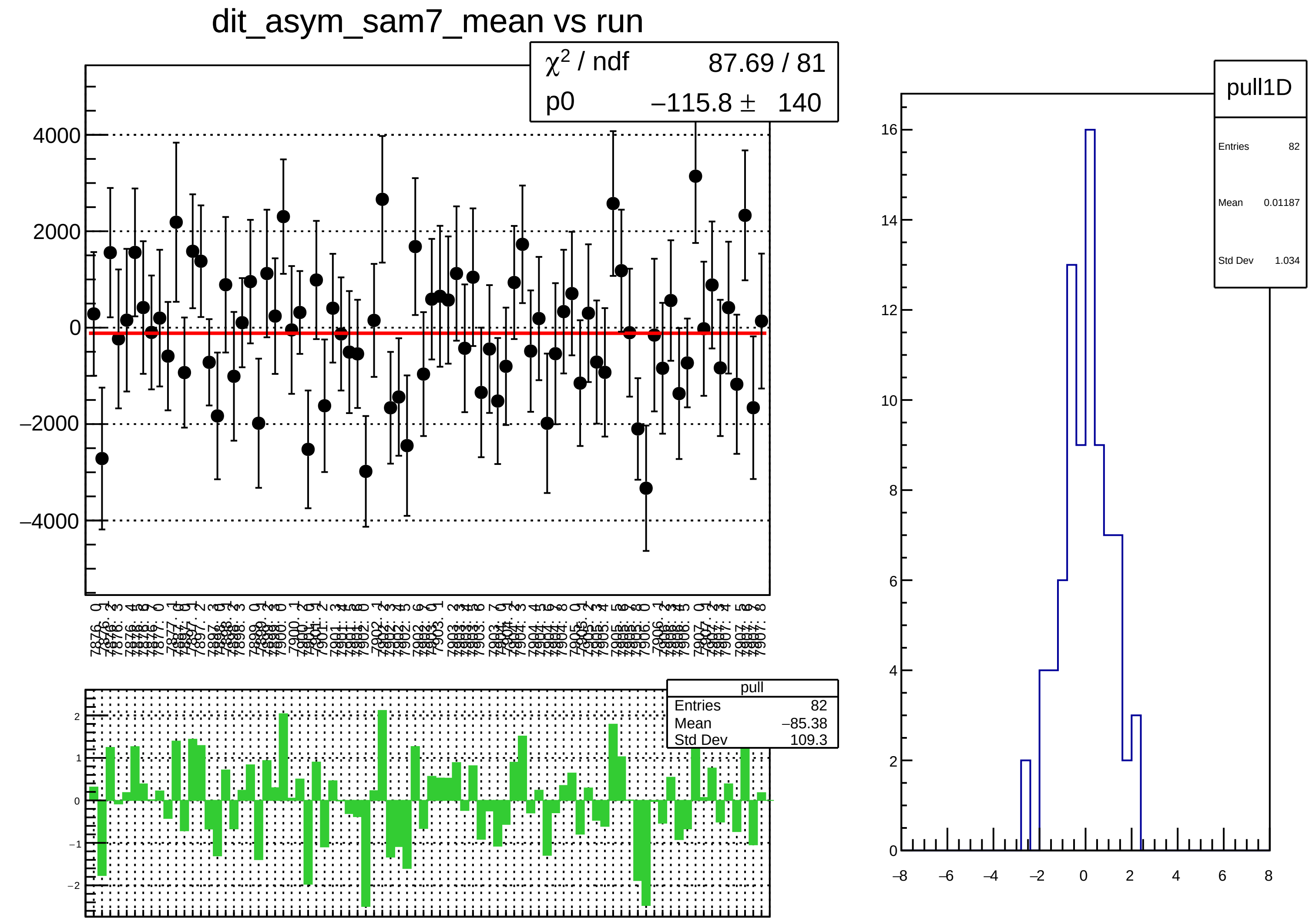
asym_sam6_correction_rms vs run
χ^2 / ndf 4.283e+04 / 81
p0 2178 ± 1.75



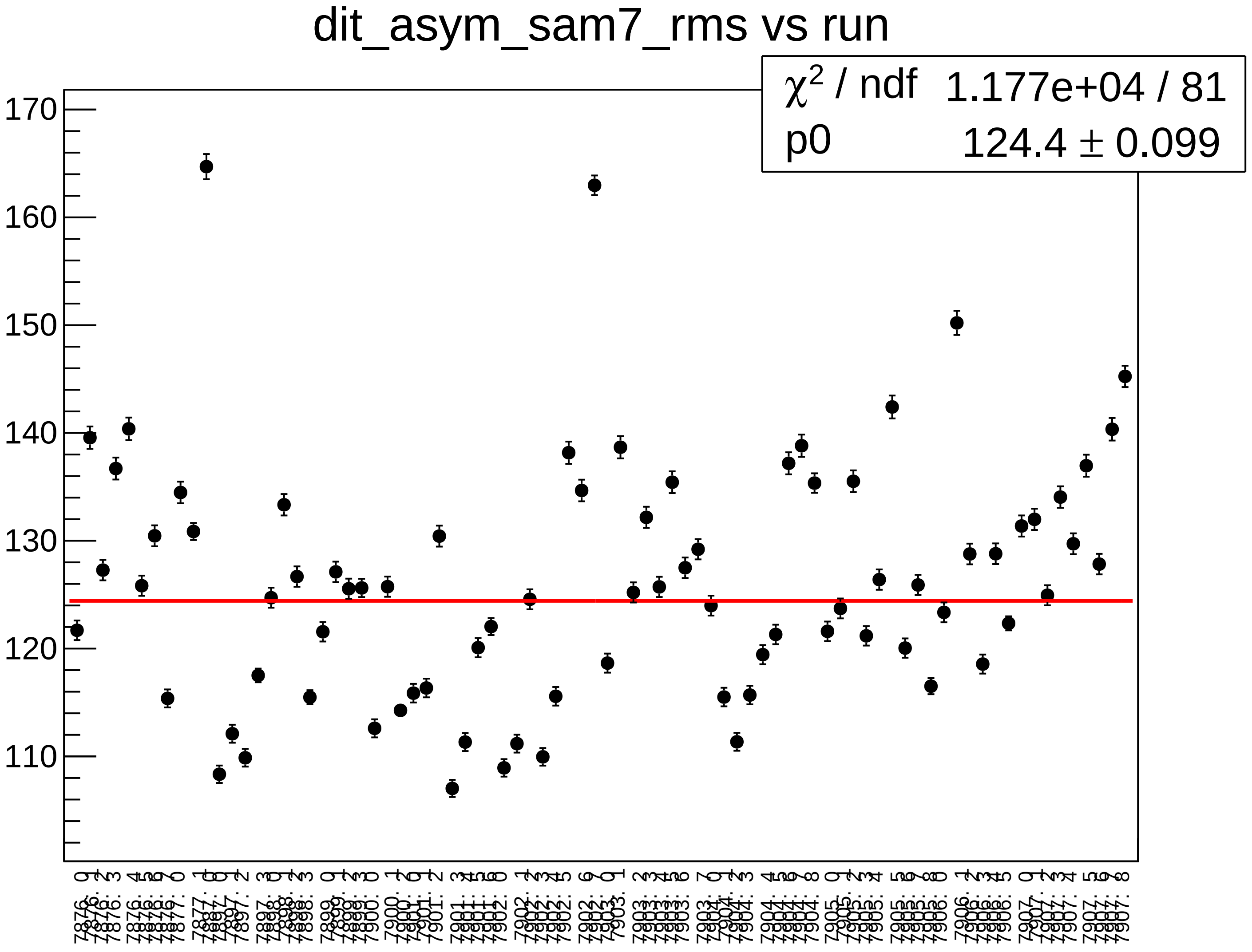
asym_sam6_mean vs run
χ^2 / ndf 64.17 / 81
p0 −3787 ± 2525
pull
Entries 82
Mean −118.3
Std Dev 151.5
pull1D
Entries 82
Mean 0.01258
Std Dev 0.8845



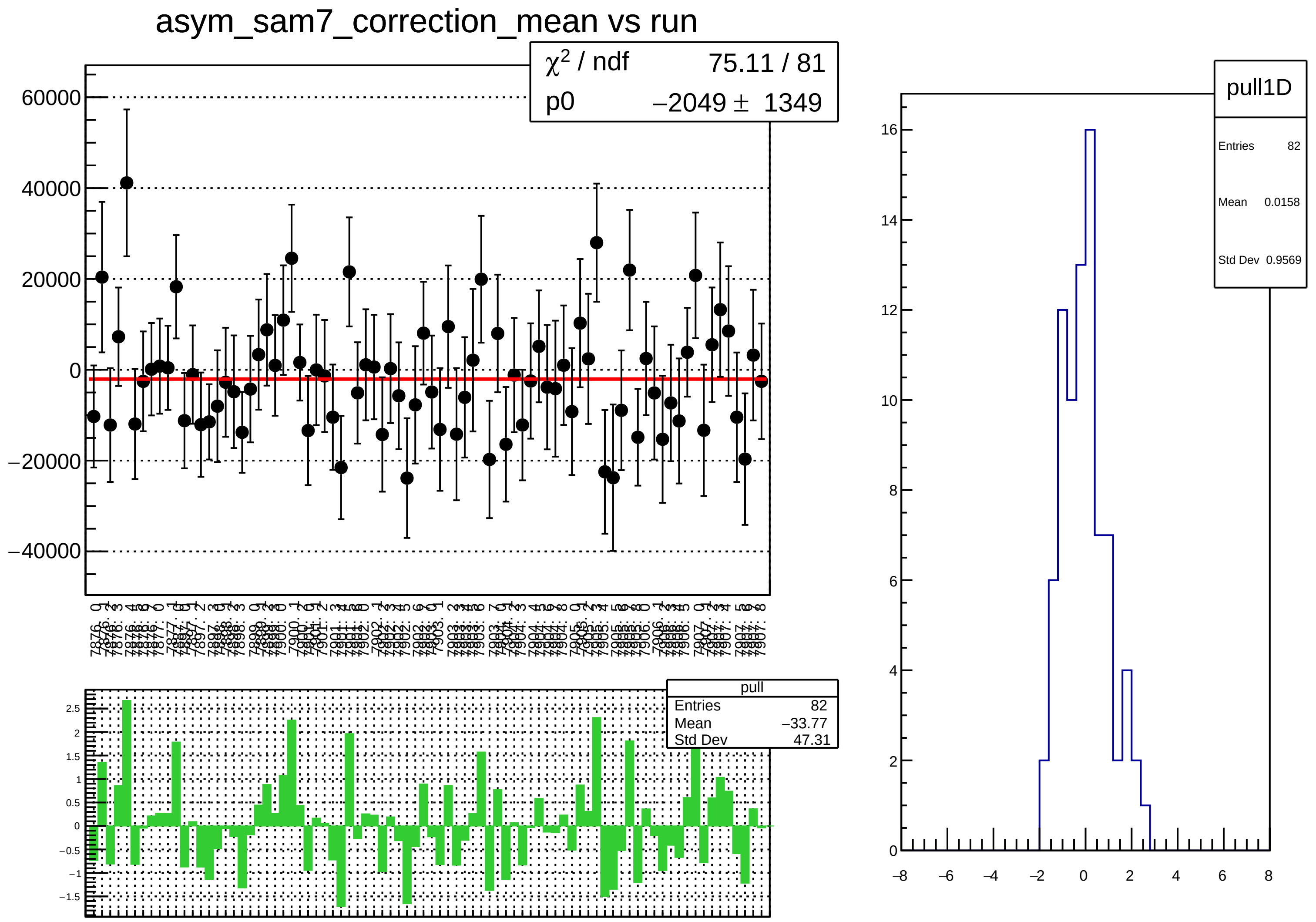
asym_sam6_rms vs run
χ^2 / ndf 4.396e+04 / 81
p0 2221 ± 1.786
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600



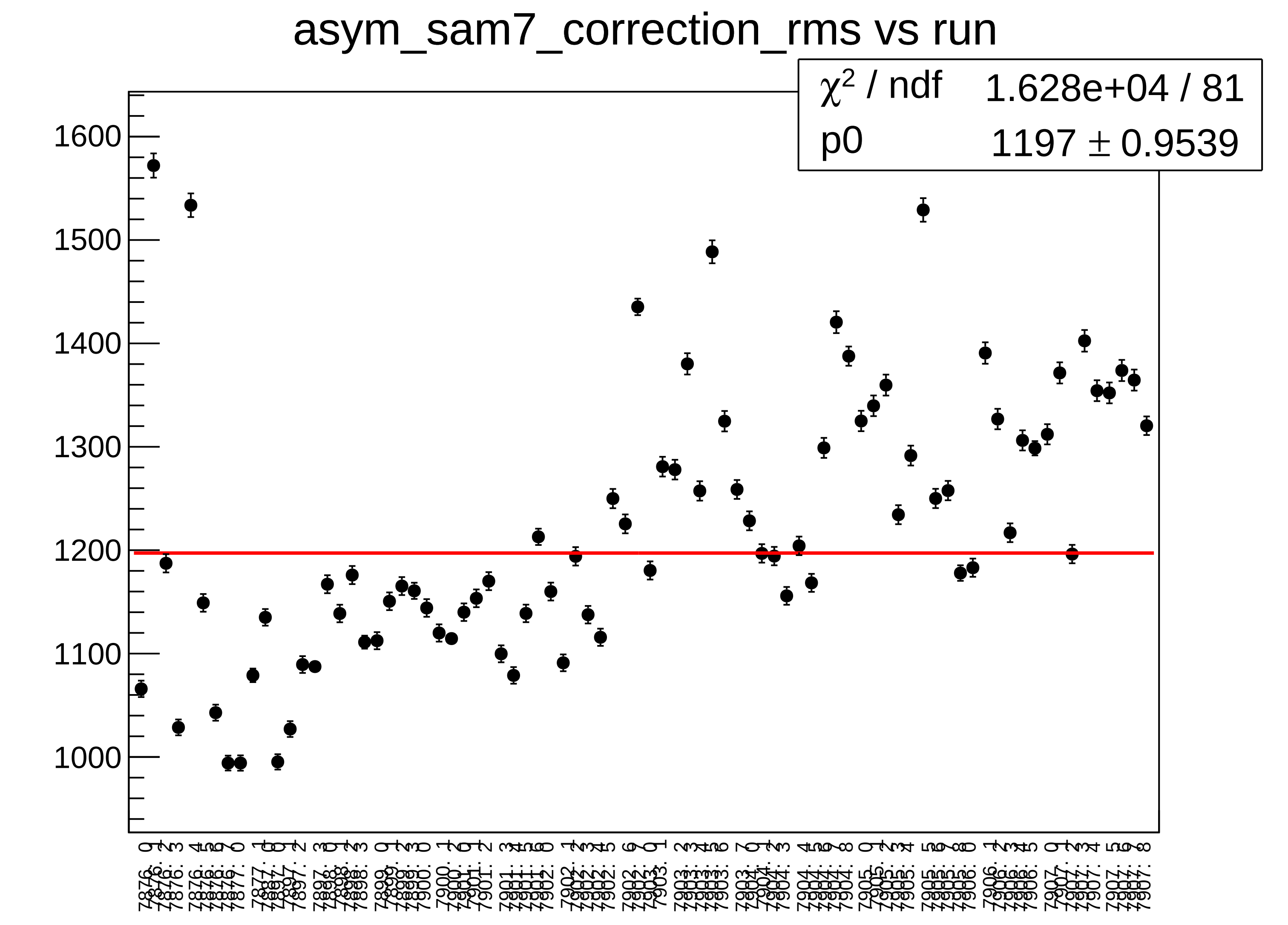
dit_asym_sam7_mean vs run
χ^2 / ndf 87.69 / 81
p0 −115.8 ± 140
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −85.38
Std Dev 109.3
pull1D
Entries 82
Mean 0.01187
Std Dev 1.034



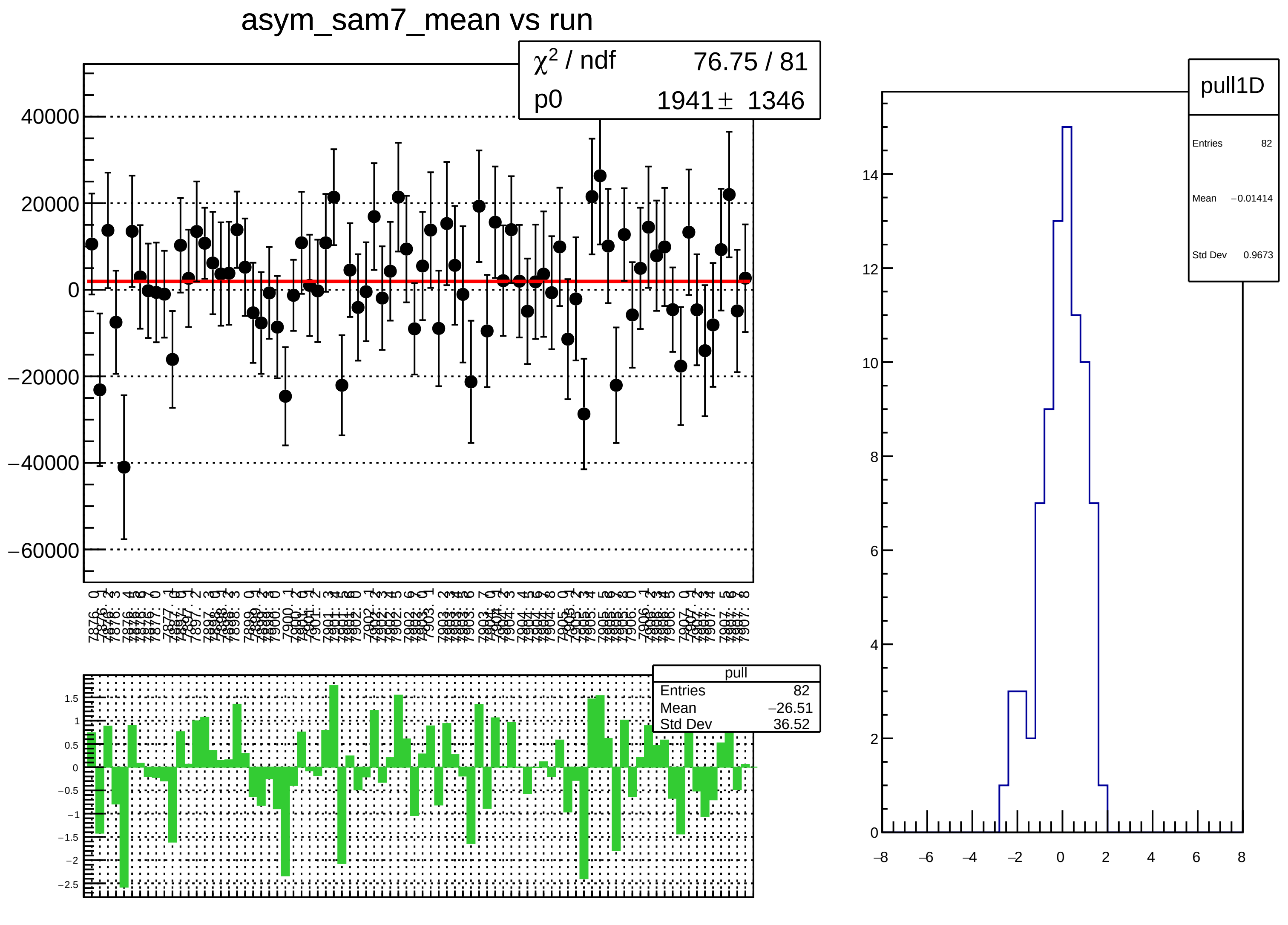
dit_asym_sam7_rms vs run
χ^2 / ndf 1.177e+04 / 81
p0 124.4 ± 0.099
170
160
150
140
130
120
110



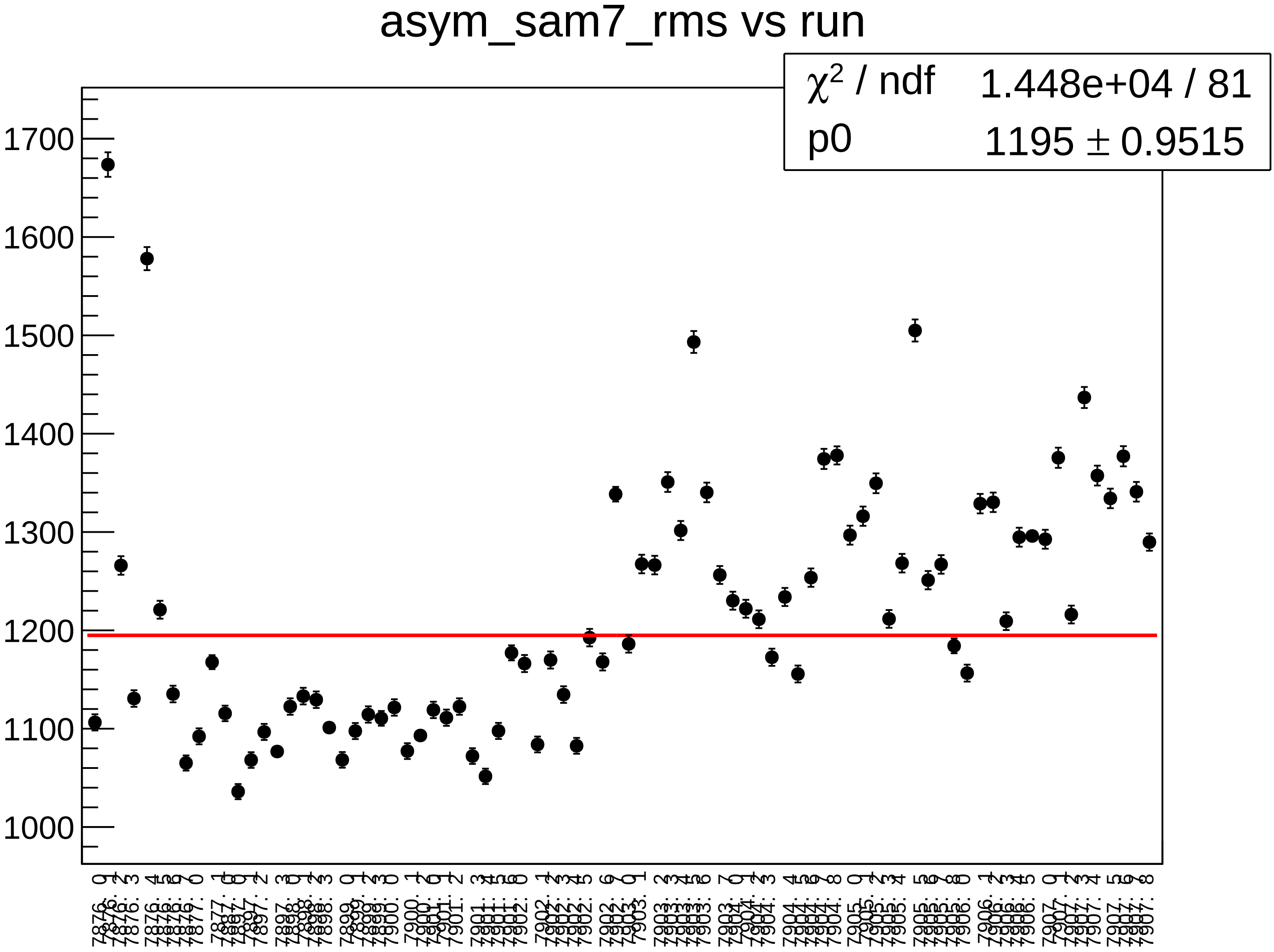
asym_sam7_correction_mean vs run
χ^2 / ndf 75.11 / 81
p0 −2049 ± 1349
pull
Entries 82
Mean −33.77
Std Dev 47.31
pull1D
Entries 82
Mean 0.0158
Std Dev 0.9569

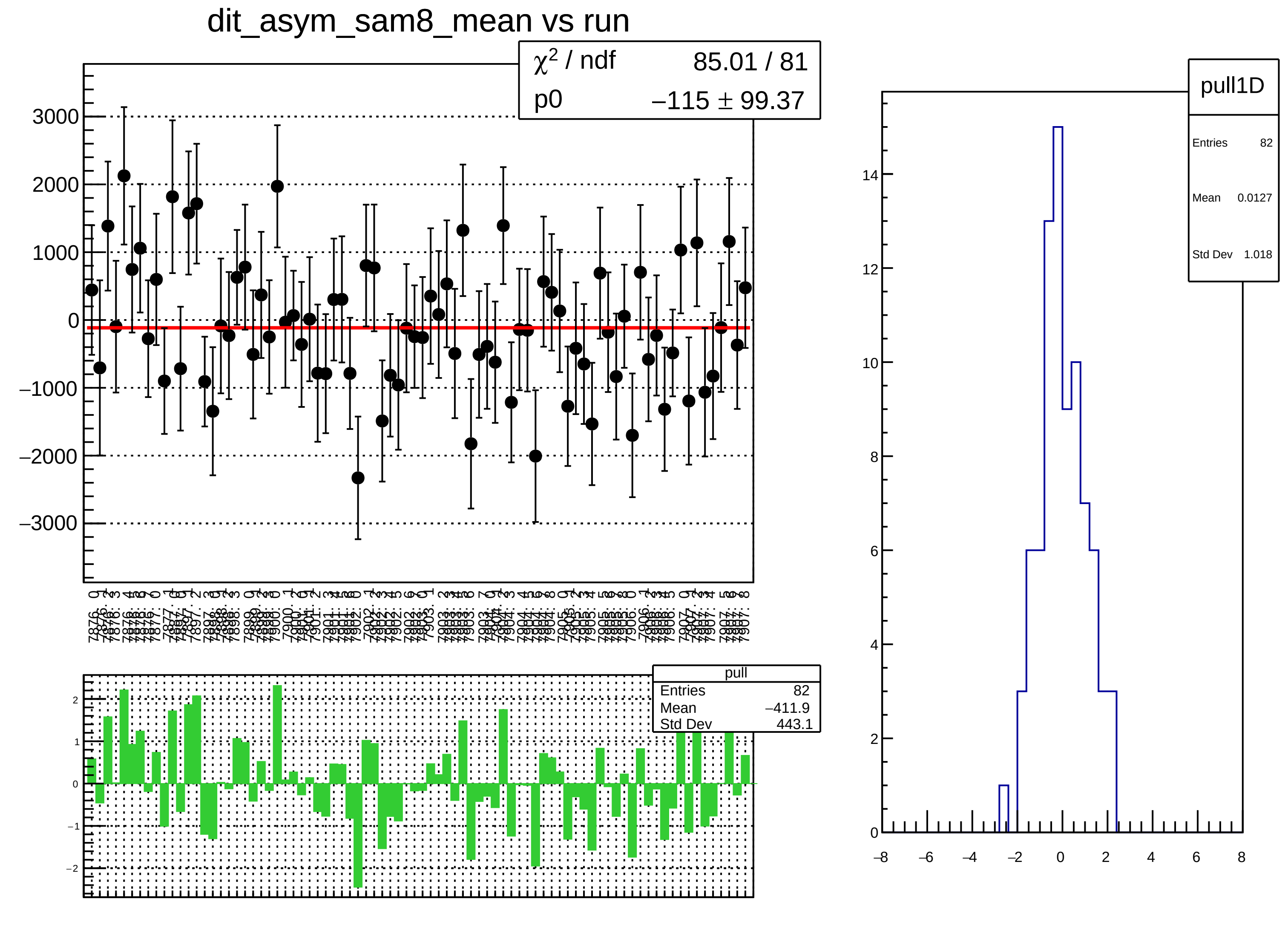


asym_sam7_correction_rms vs run
χ^2 / ndf 1.628e+04 / 81
p0 1197 ± 0.9539
1600
1500
1400
1300
1200
1100
1000

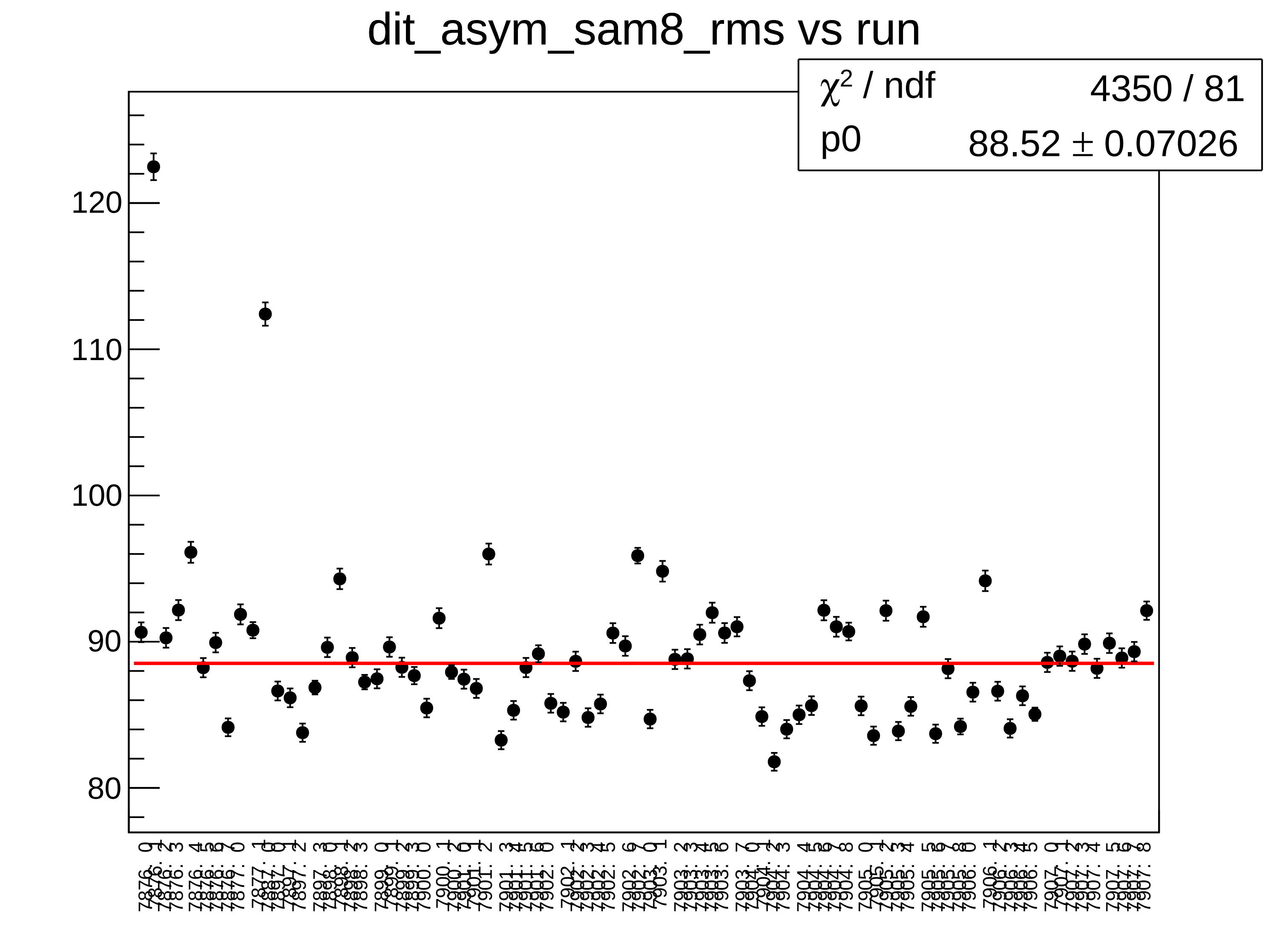


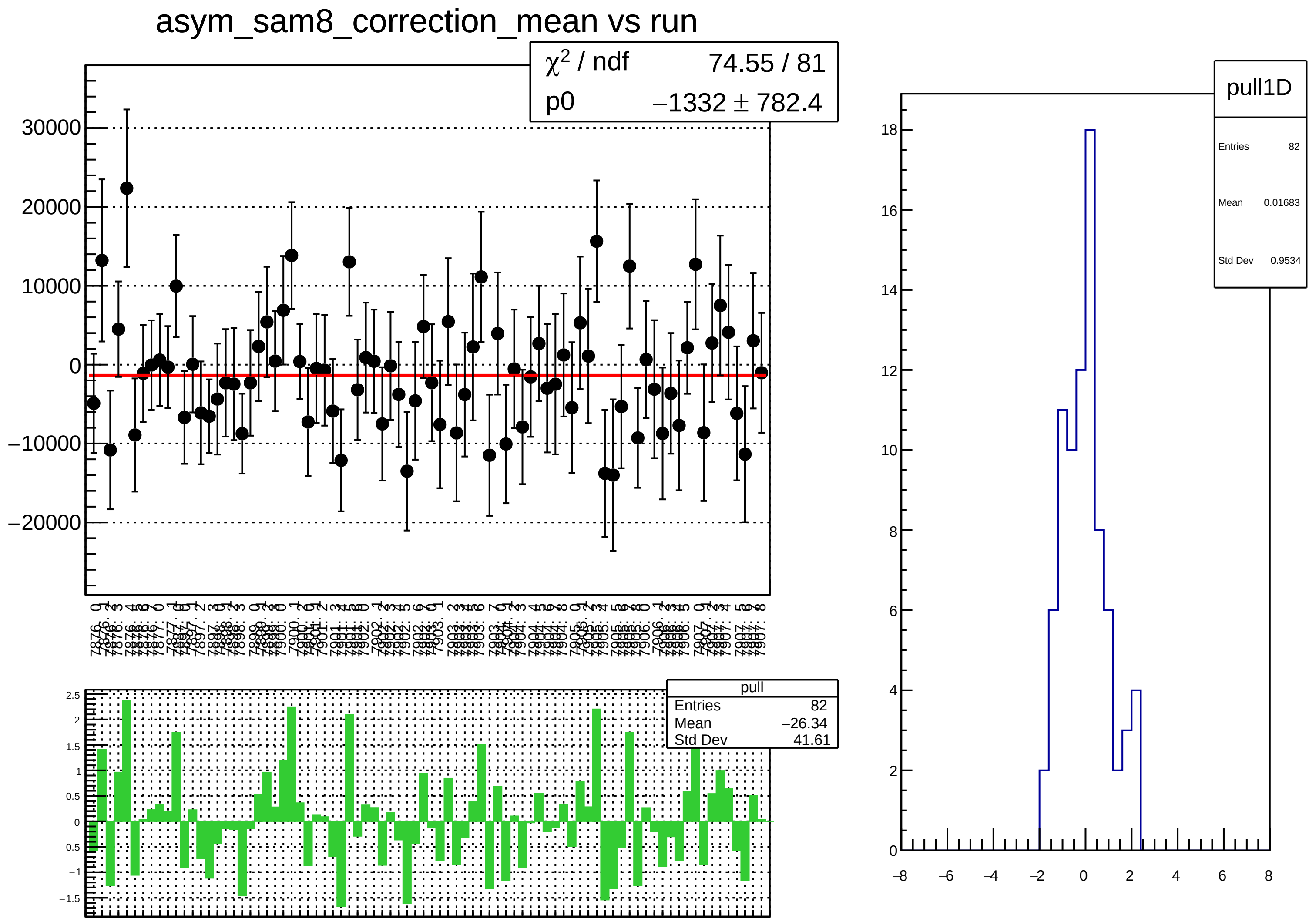
asym_sam7_mean vs run
χ^2 / ndf 76.75 / 81
p0 1941 ± 1346
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −26.51
Std Dev 36.52
pull1D
Entries 82
Mean −0.01414
Std Dev 0.9673


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

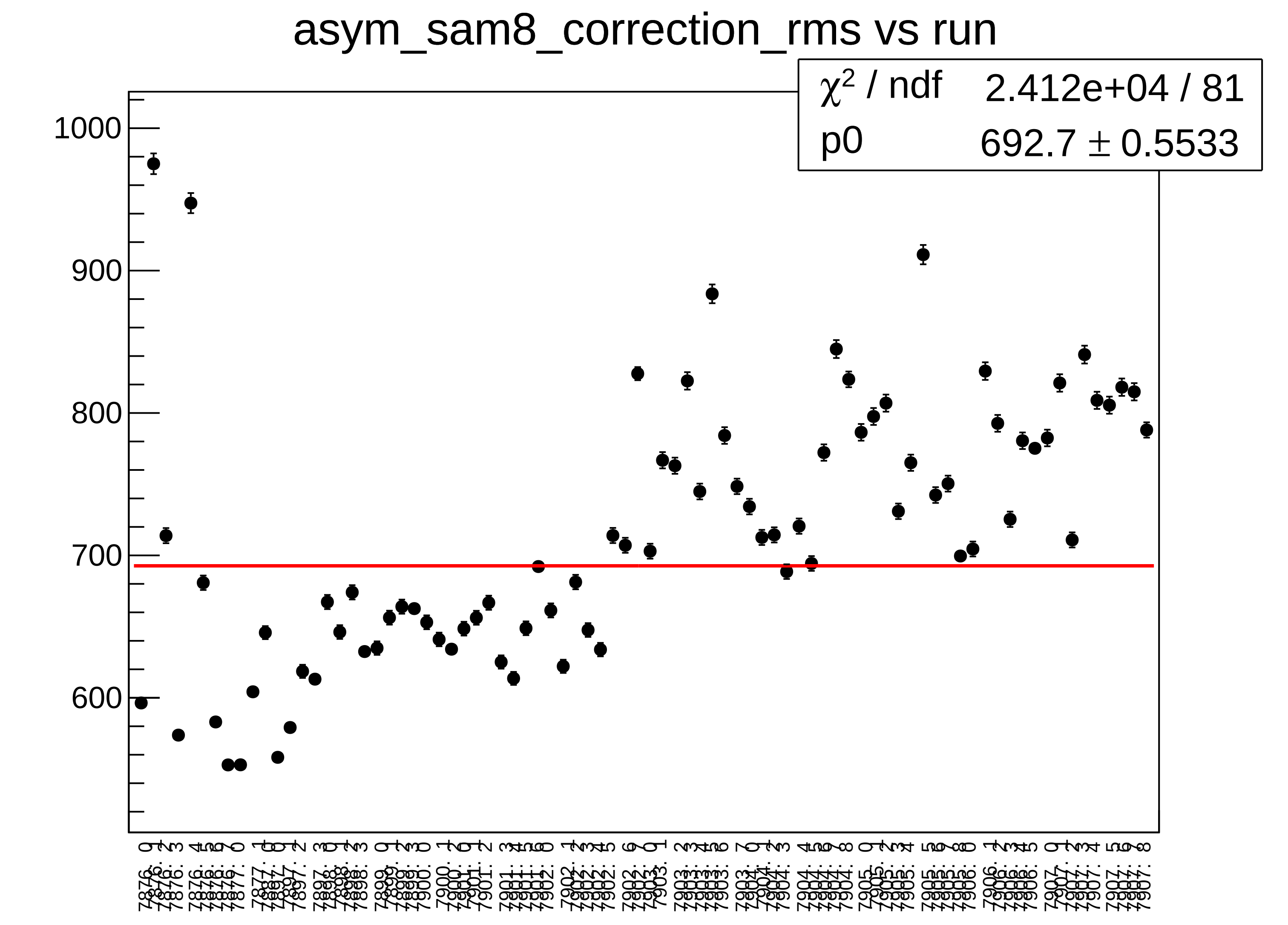


dit_asym_sam8_mean vs run
χ^2 / ndf 85.01 / 81
p0 −115 ± 99.37
pull
Entries 82
Mean −411.9
Std Dev 443.1
pull1D
Entries 82
Mean 0.0127
Std Dev 1.018

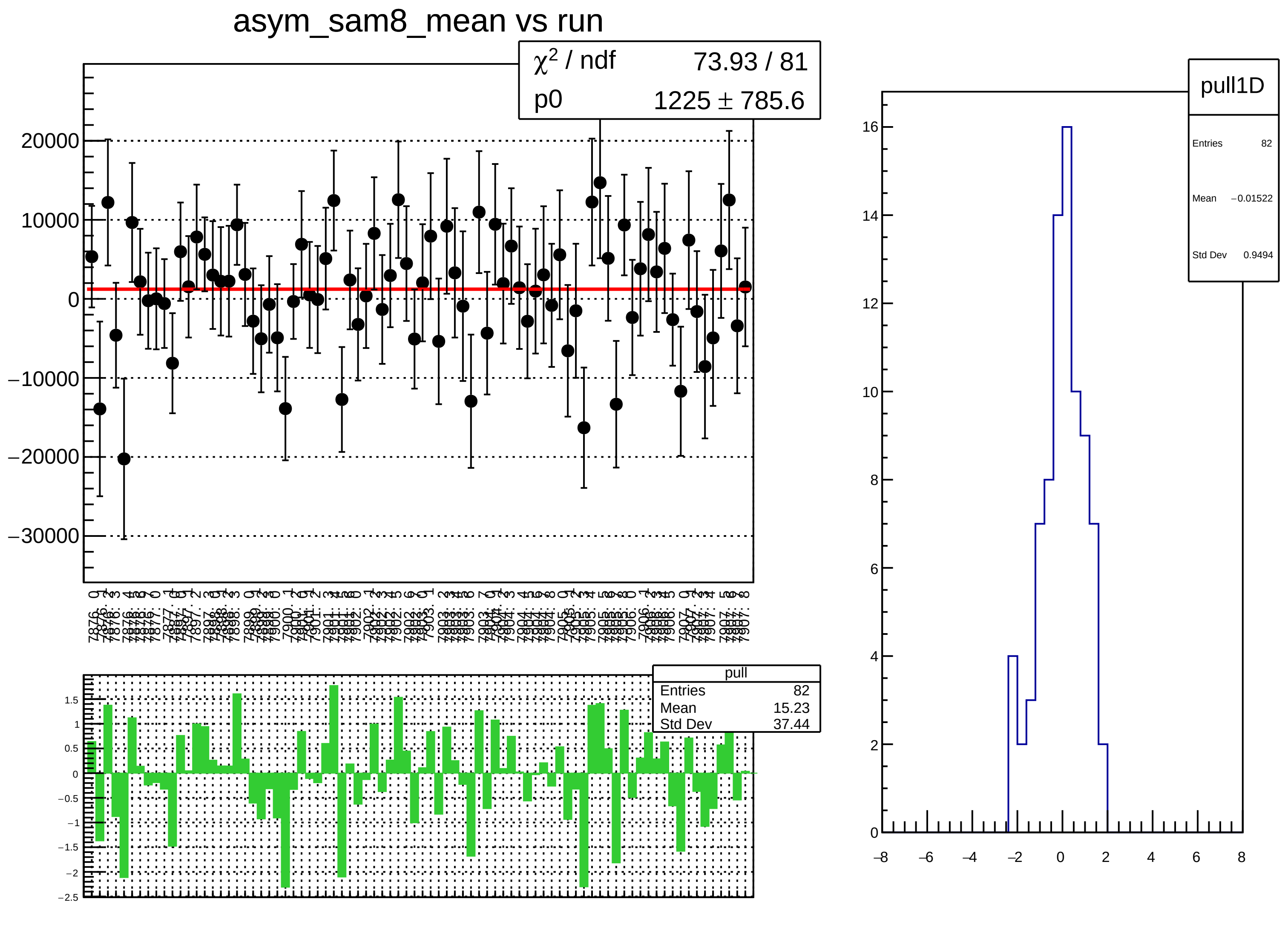

dit_asym_sam8_rms vs run
χ2 / ndf 4350 / 81
p0 88.52 ± 0.07026
120
110
100
90
80



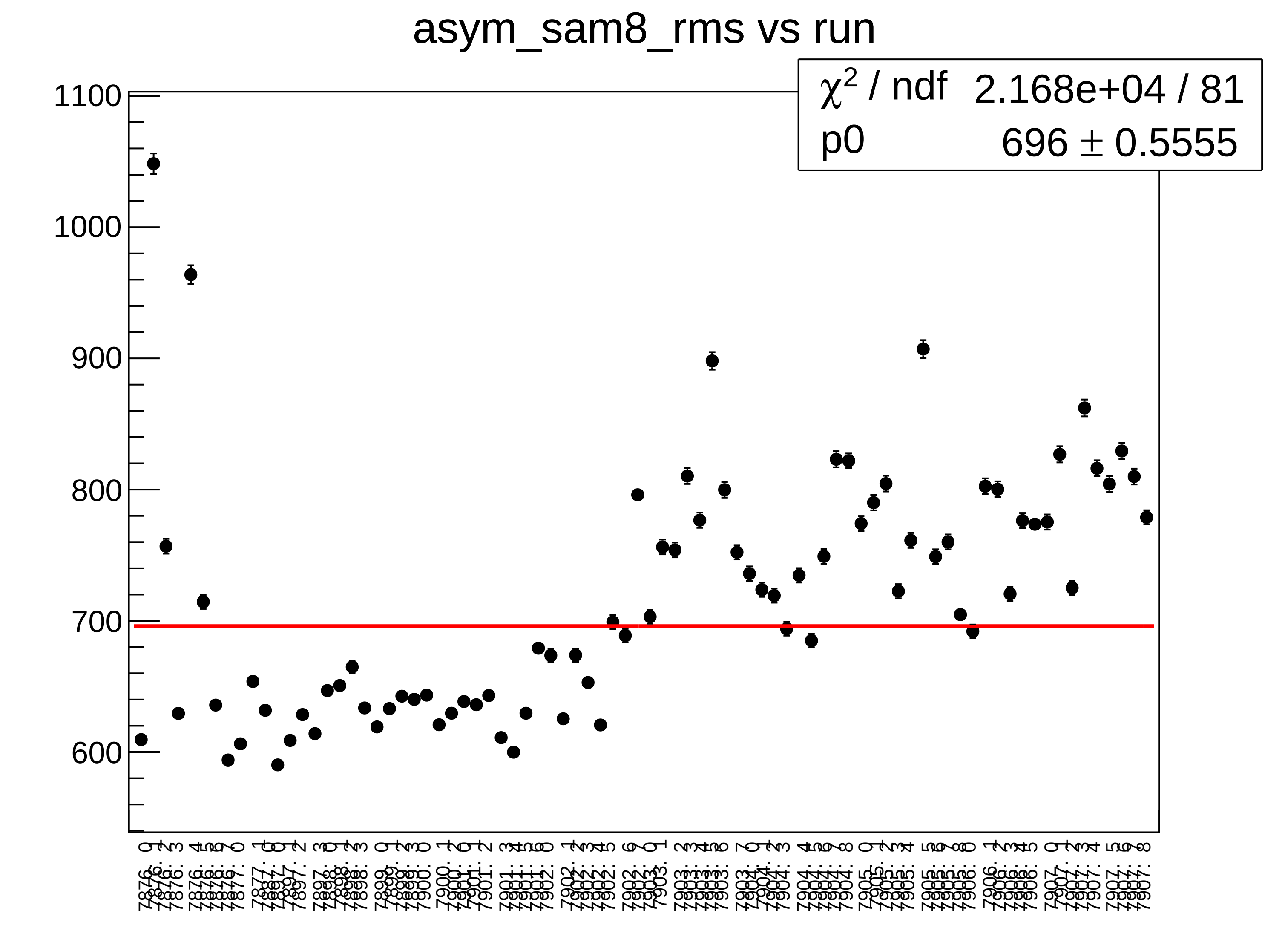
asym_sam8_correction_mean vs run
χ^2 / ndf 74.55 / 81
p0 −1332 ± 782.4
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −26.34
Std Dev 41.61
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01683
Std Dev 0.9534
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

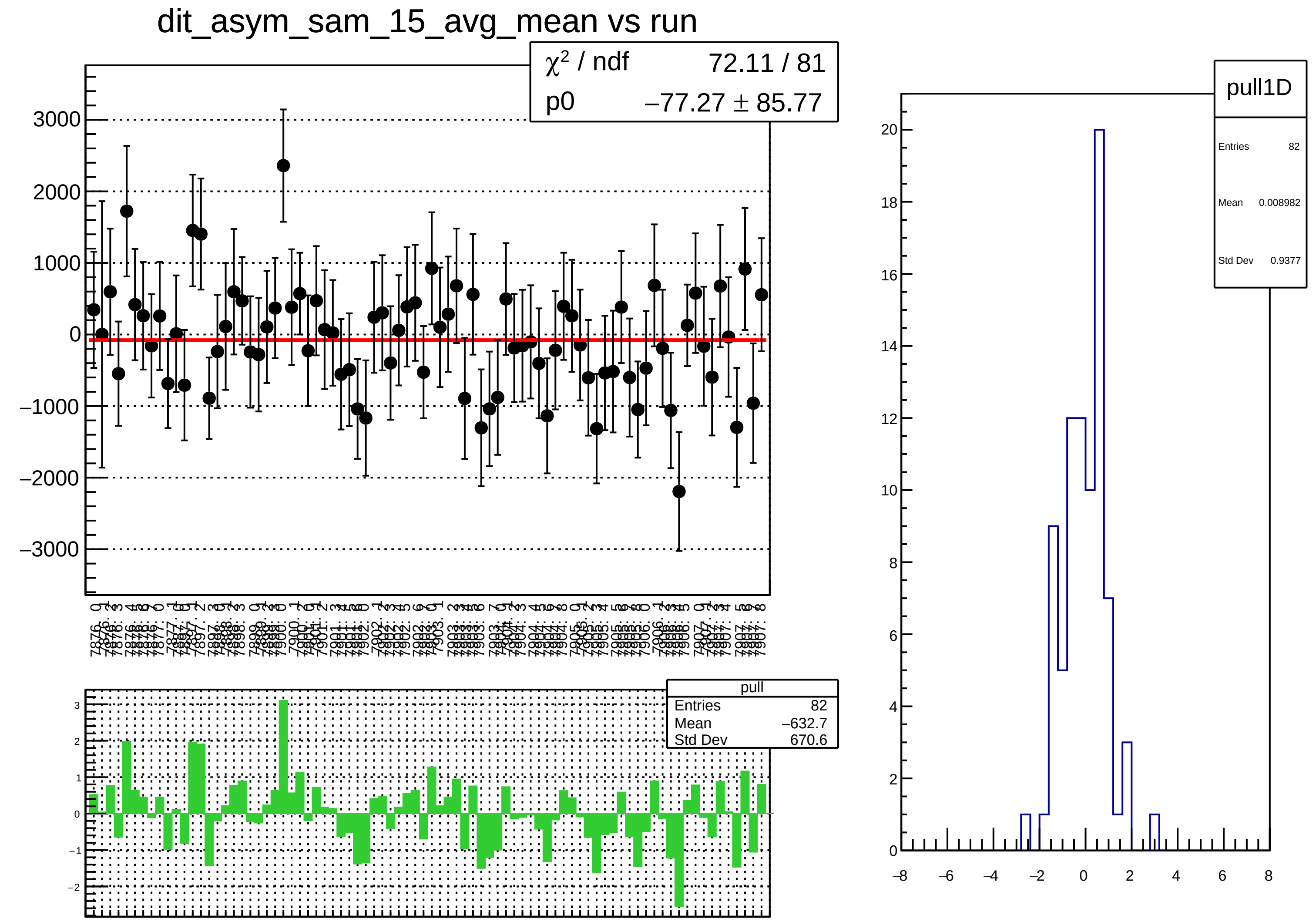


asym_sam8_correction_rms vs run
χ^2 / ndf 2.412e+04 / 81
p0 692.7 ± 0.5533
1000
900
800
700
600

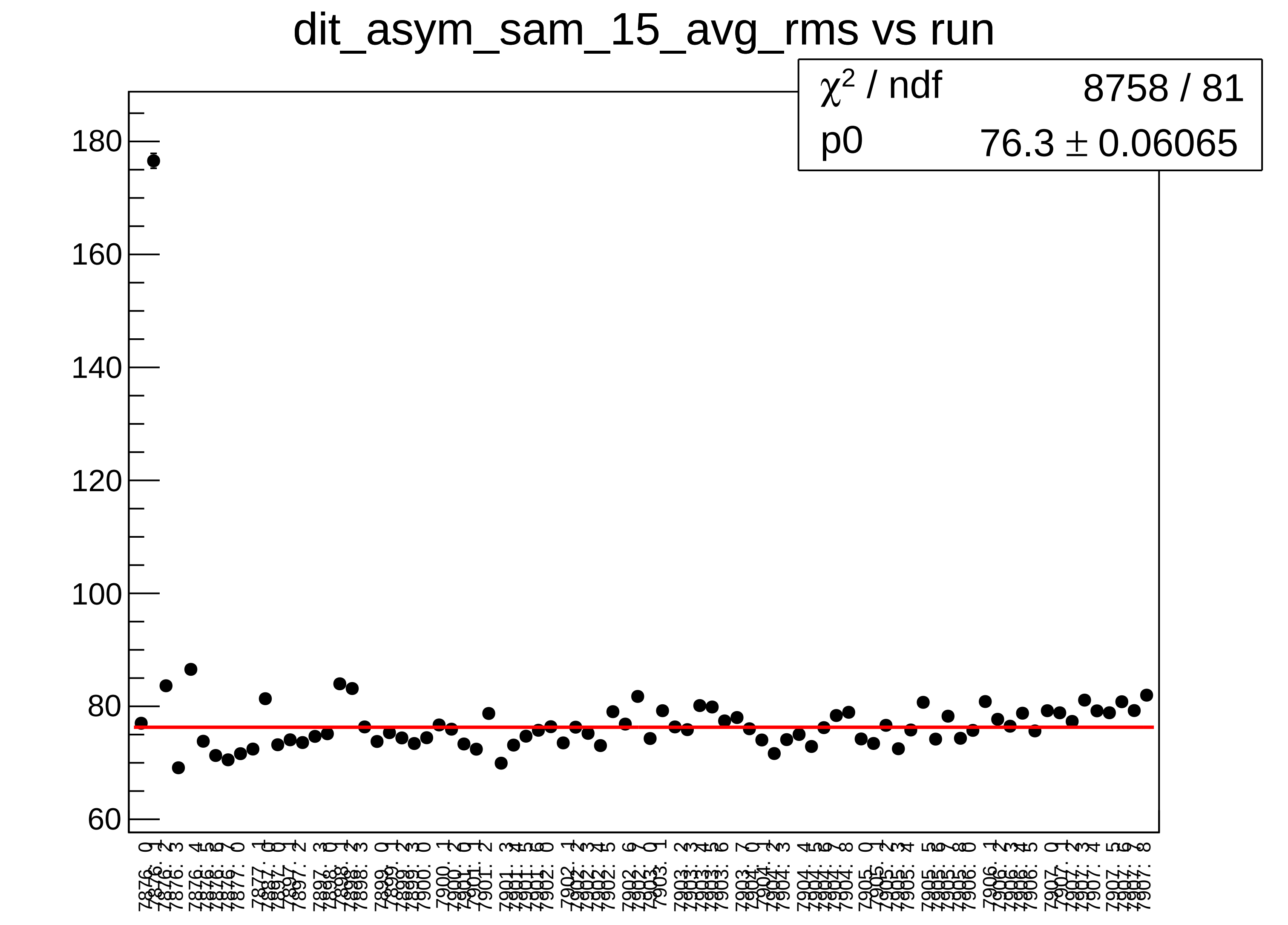


asym_sam8_mean vs run
χ2 / ndf 73.93 / 81
p0 1225 ± 785.6
pull
Entries 82
Mean 15.23
Std Dev 37.44
pull1D
Entries 82
Mean −0.01522
Std Dev 0.9494

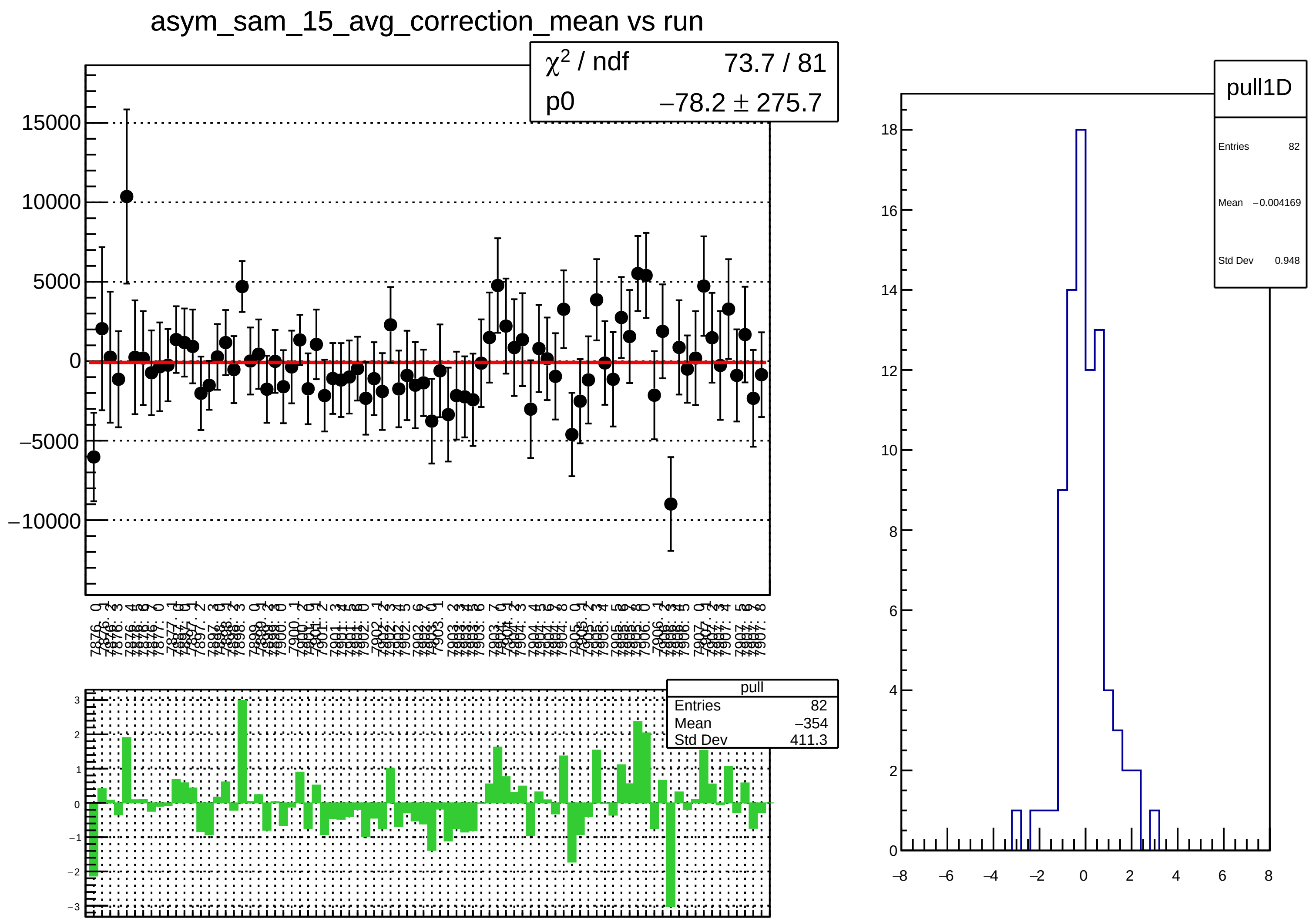

asym_sam8_rms vs run
χ2 / ndf 2.168e+04 / 81
p0 696 ± 0.5555
1100
1000
900
800
700
600



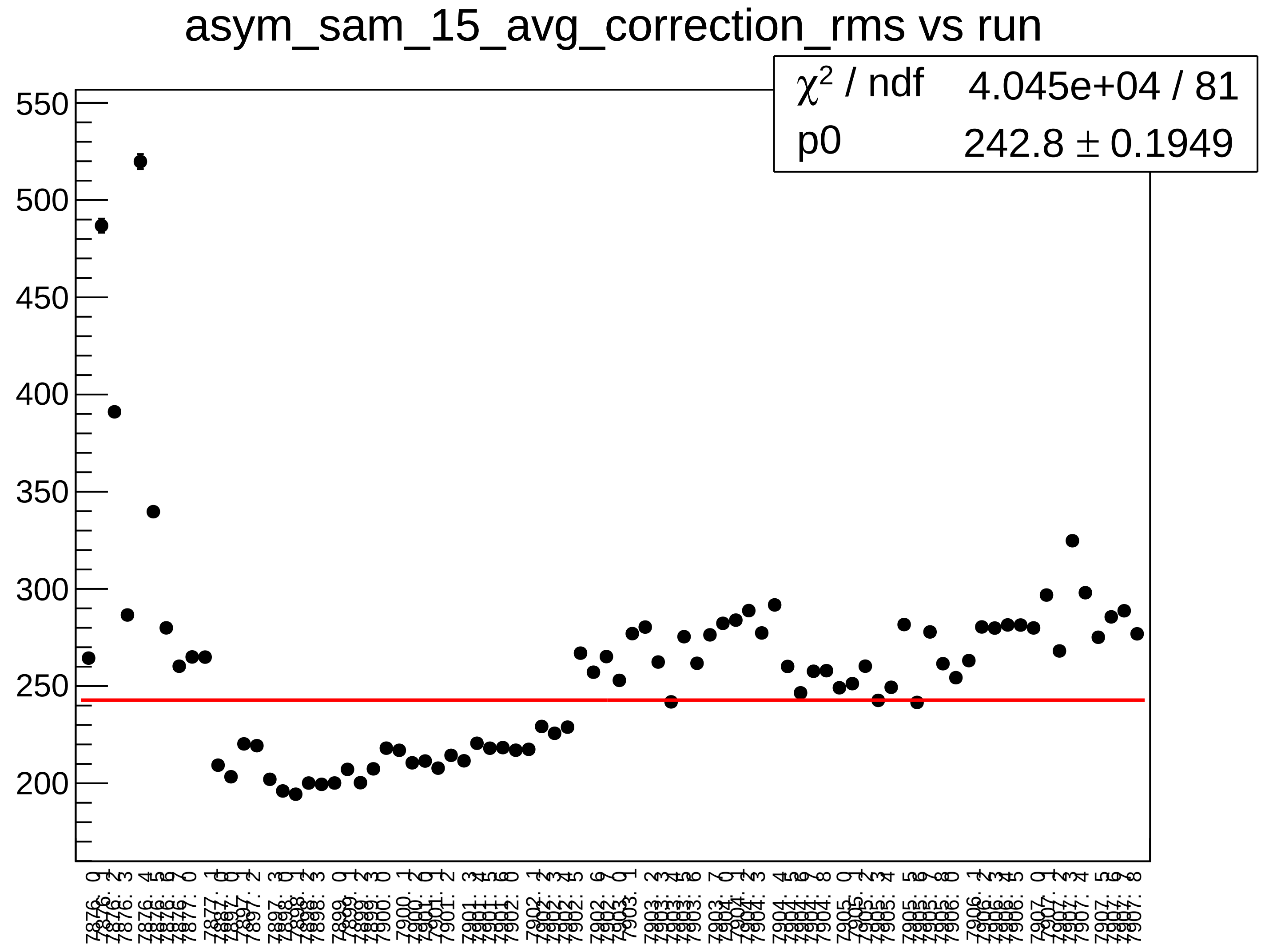
dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 72.11 / 81
p0 −77.27 ± 85.77
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −632.7
Std Dev 670.6
pull1D
Entries 82
Mean 0.008982
Std Dev 0.9377



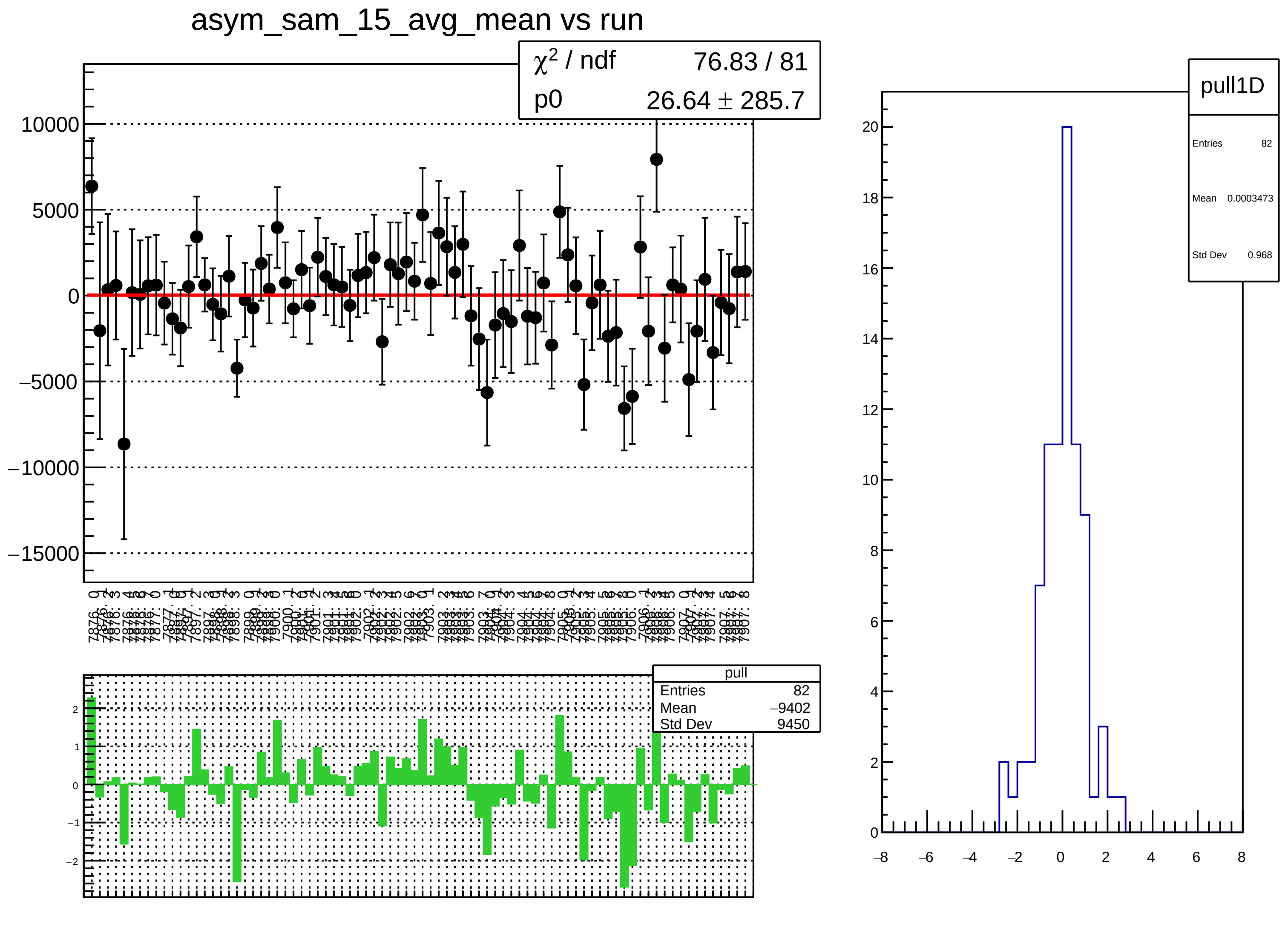
dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 8758 / 81
p0 76.3 ± 0.06065
180
160
140
120
100
80
60



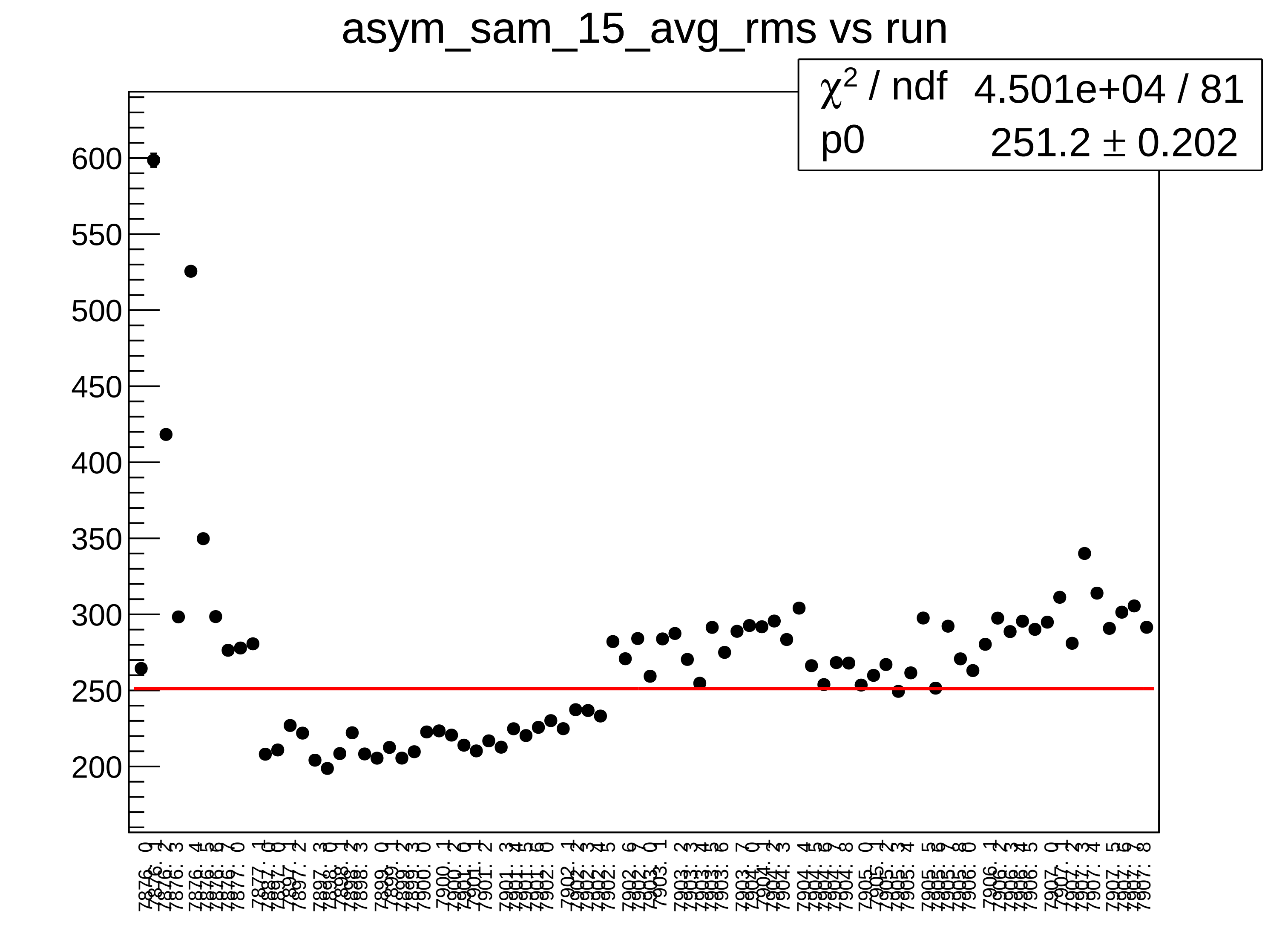
asym_sam_15_avg_correction_mean vs run
χ2 / ndf 73.7 / 81
p0 −78.2 ± 275.7
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −354
Std Dev 411.3
pull1D
Entries 82
Mean −0.004169
Std Dev 0.948



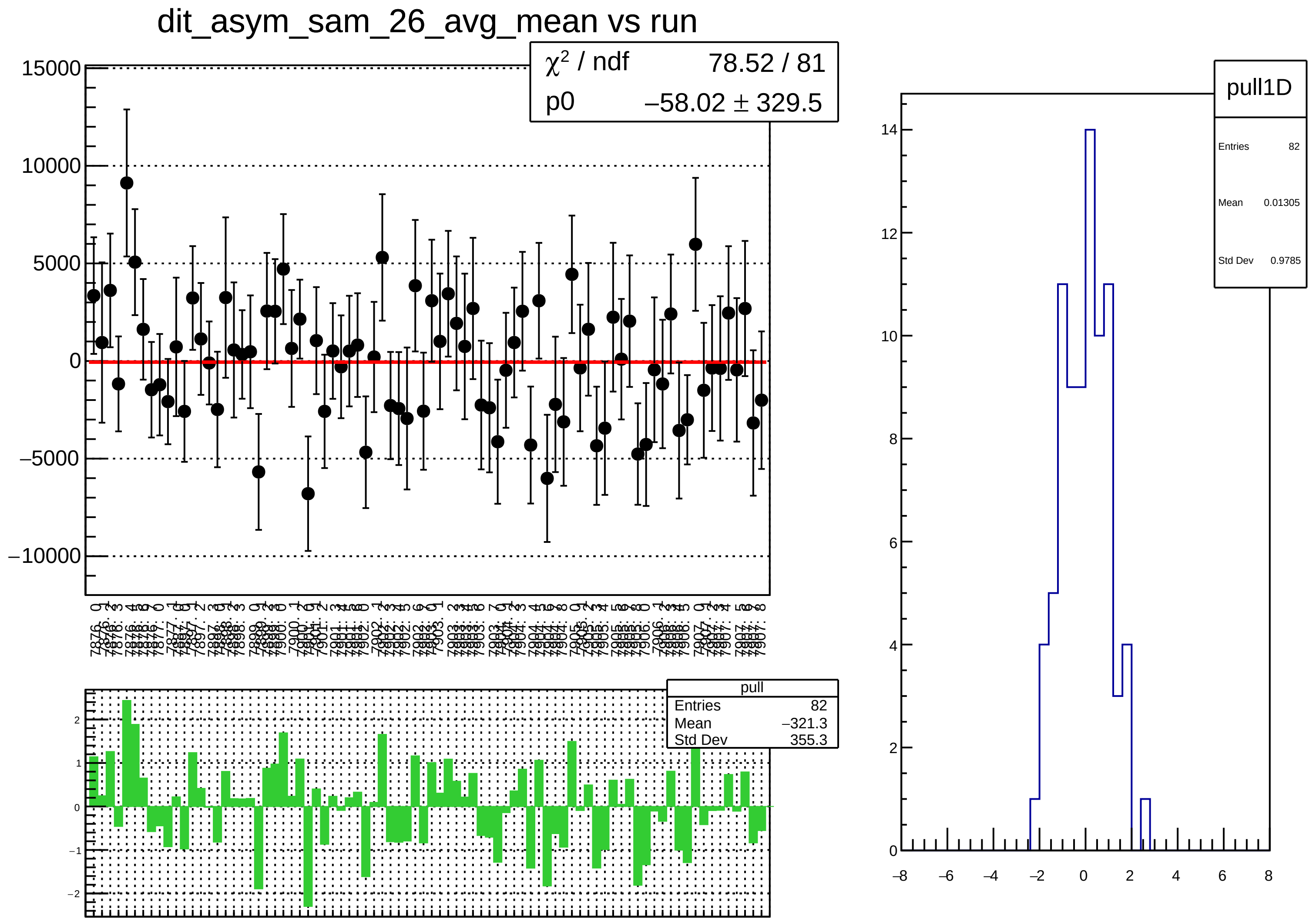
asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 4.045e+04 / 81
p0 242.8 ± 0.1949
550
500
450
400
350
300
250
200



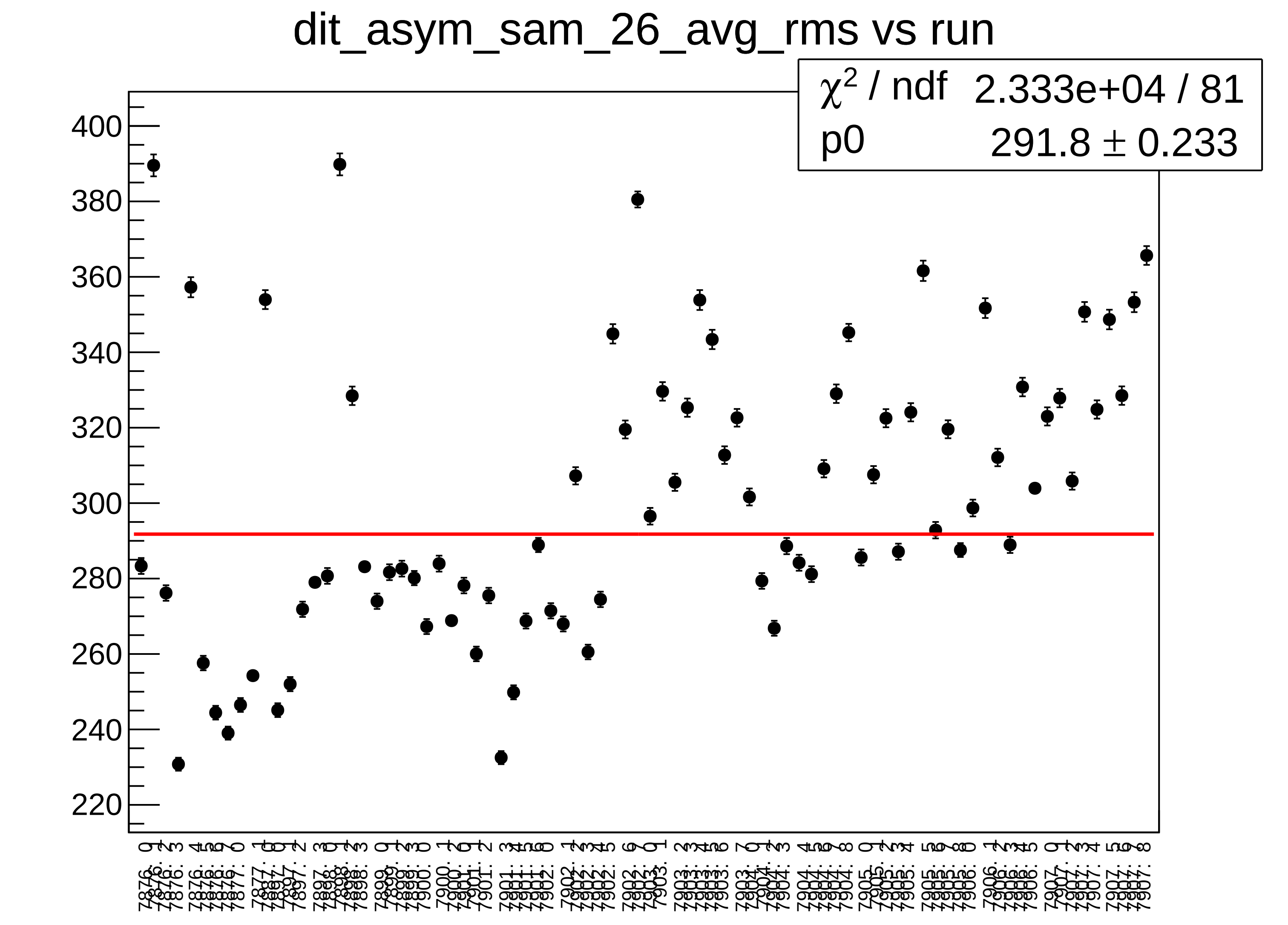
asym_sam_15_avg_mean vs run
χ2 / ndf 76.83 / 81
p0 26.64 ± 285.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −9402
Std Dev 9450
pull1D
Entries 82
Mean 0.0003473
Std Dev 0.968

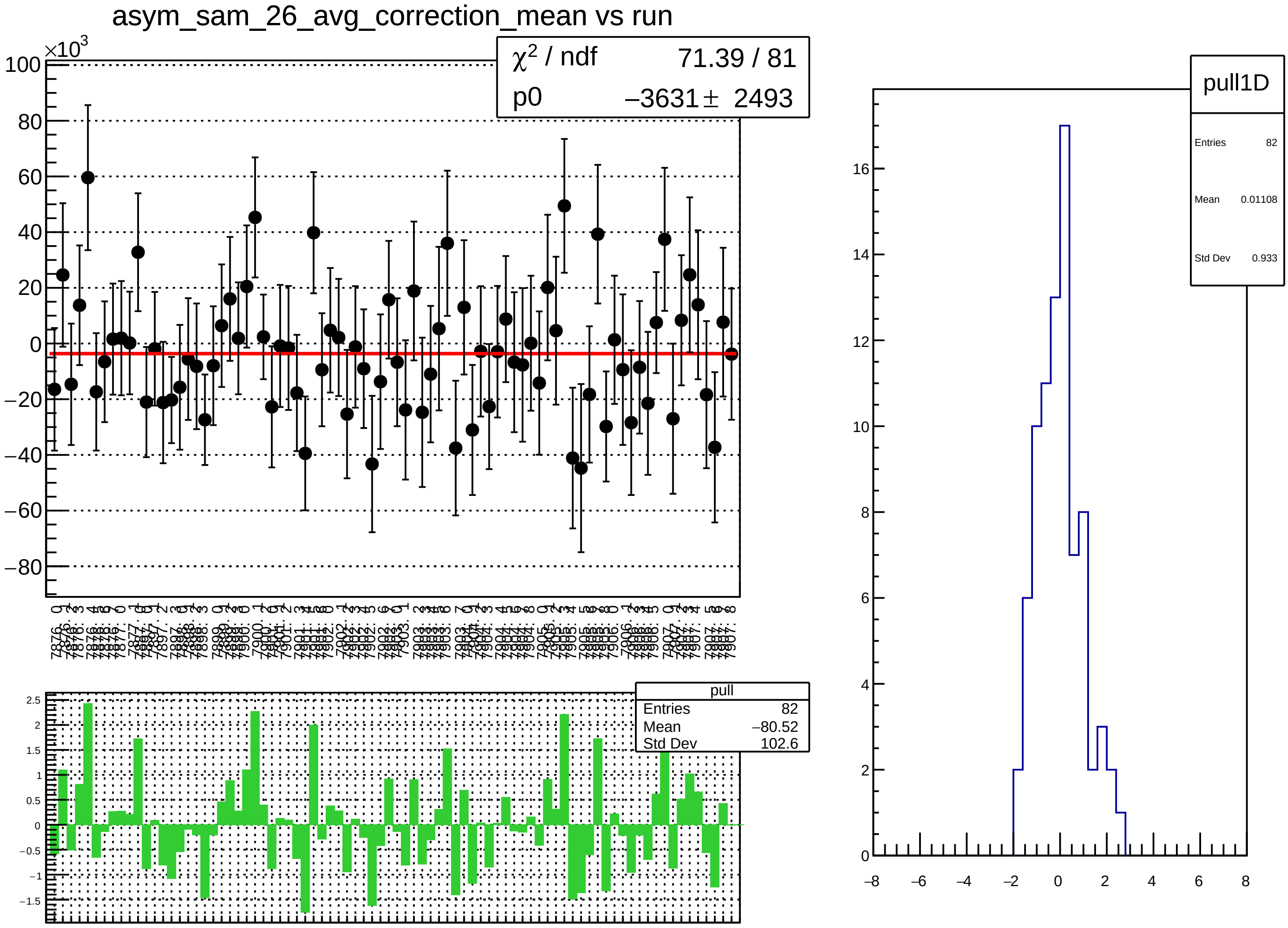


asym_sam_15_avg_rms vs run
χ2 / ndf 4.501e+04 / 81
p0 251.2 ± 0.202

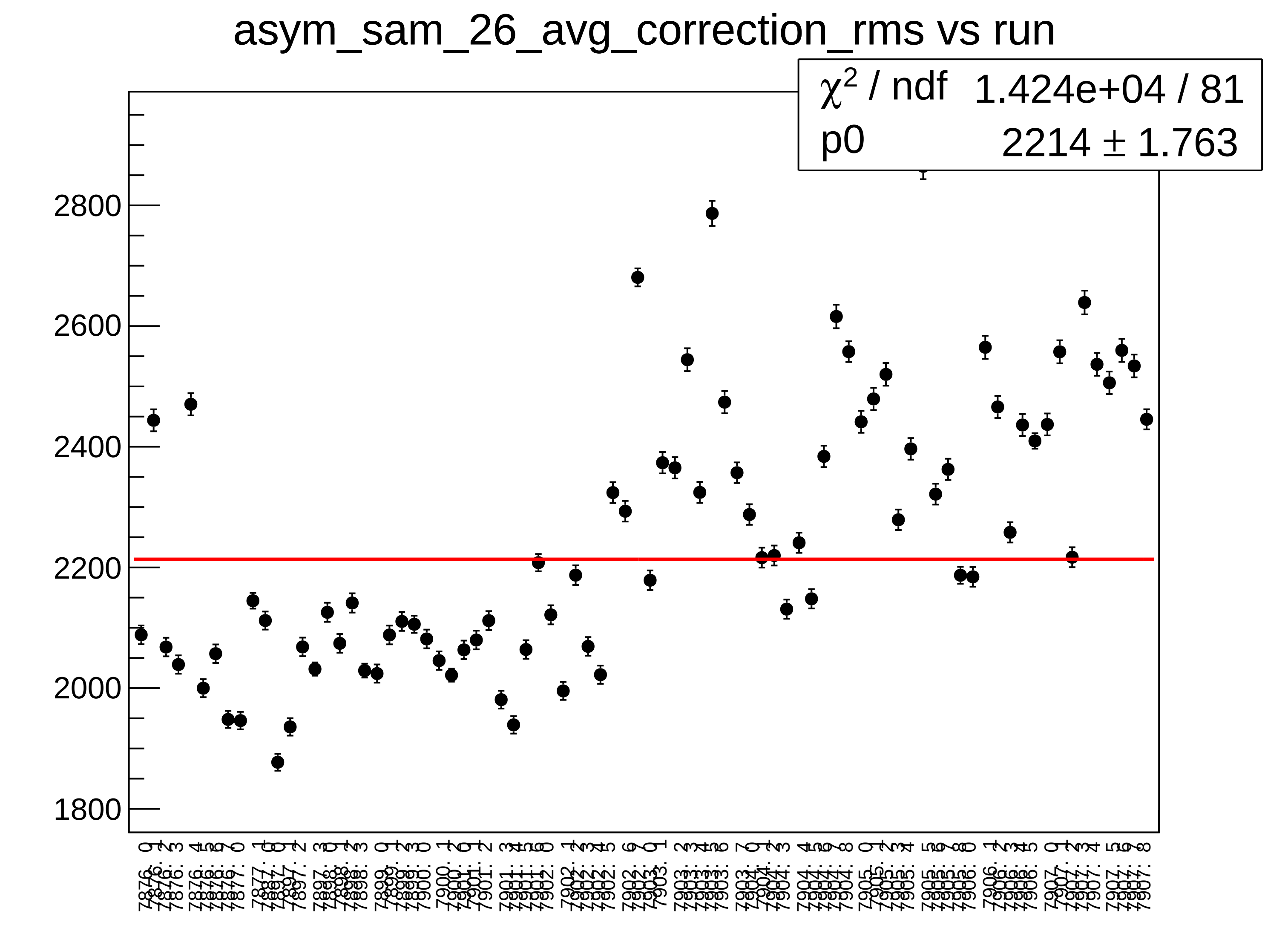


dit_asym_sam_26_avg_mean vs run
χ2 / ndf 78.52 / 81
p0 −58.02 ± 329.5
pull
Entries 82
Mean −321.3
Std Dev 355.3
pull1D
Entries 82
Mean 0.01305
Std Dev 0.9785

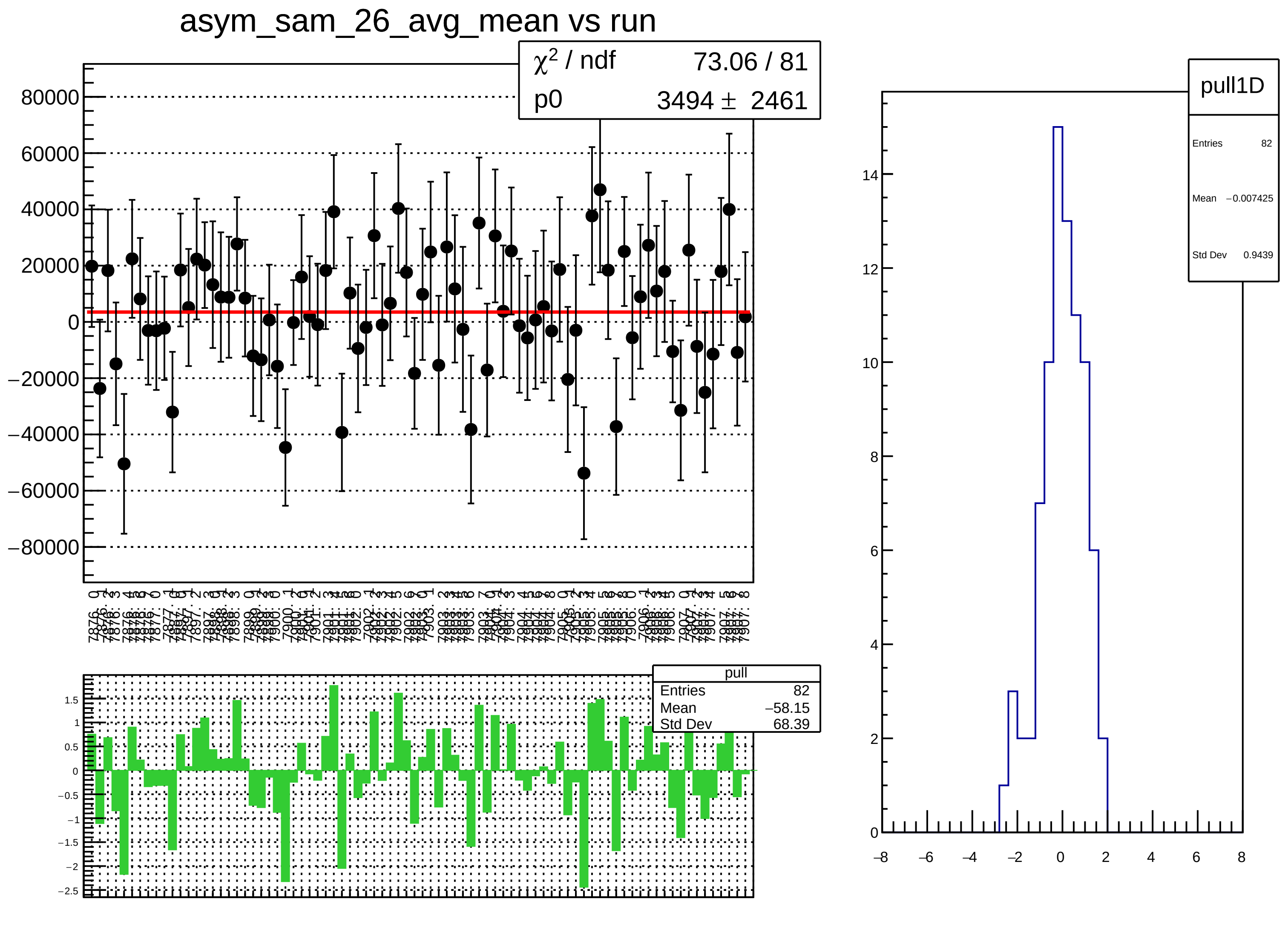

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 2.333e+04 / 81
p0 291.8 ± 0.233
400
380
360
340
320
300
280
260
240
220



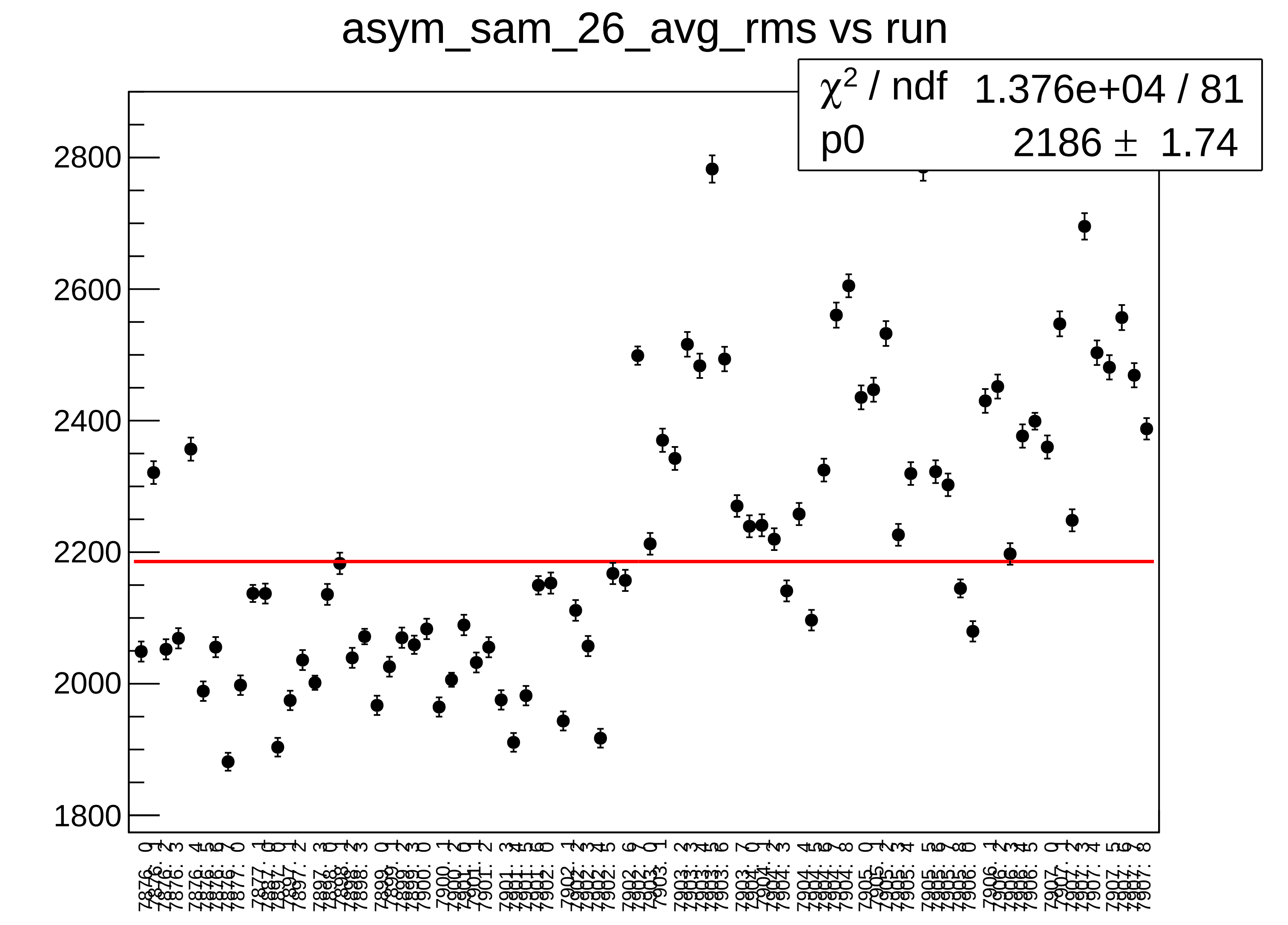
asym_sam_26_avg_correction_mean vs run
×10^3
χ2 / ndf 71.39 / 81
p0 −3631 ± 2493
pull
Entries 82
Mean −80.52
Std Dev 102.6
pull1D
Entries 82
Mean 0.01108
Std Dev 0.933



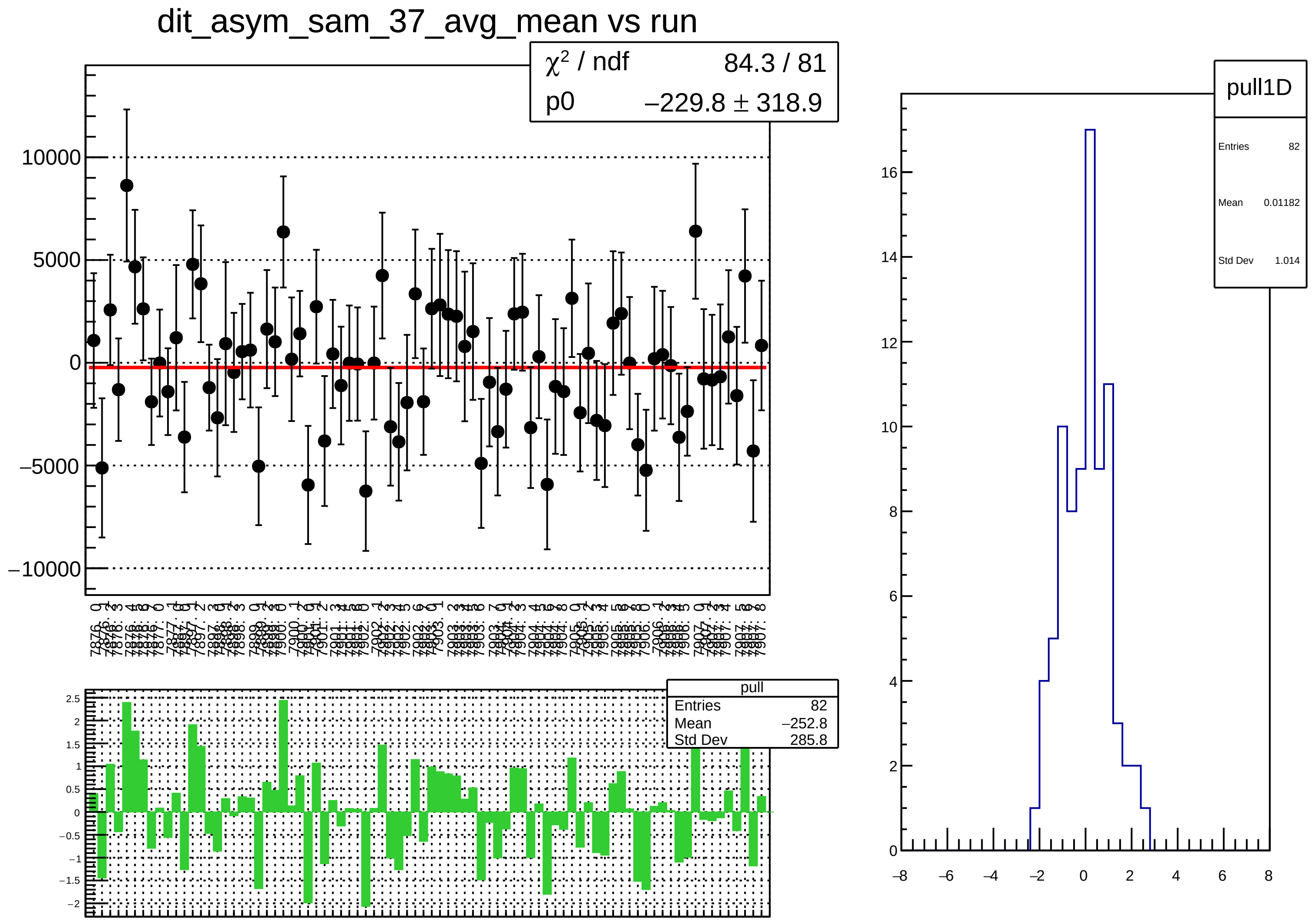
asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 1.424e+04 / 81
p0 2214 ± 1.763
2800
2600
2400
2200
2000
1800

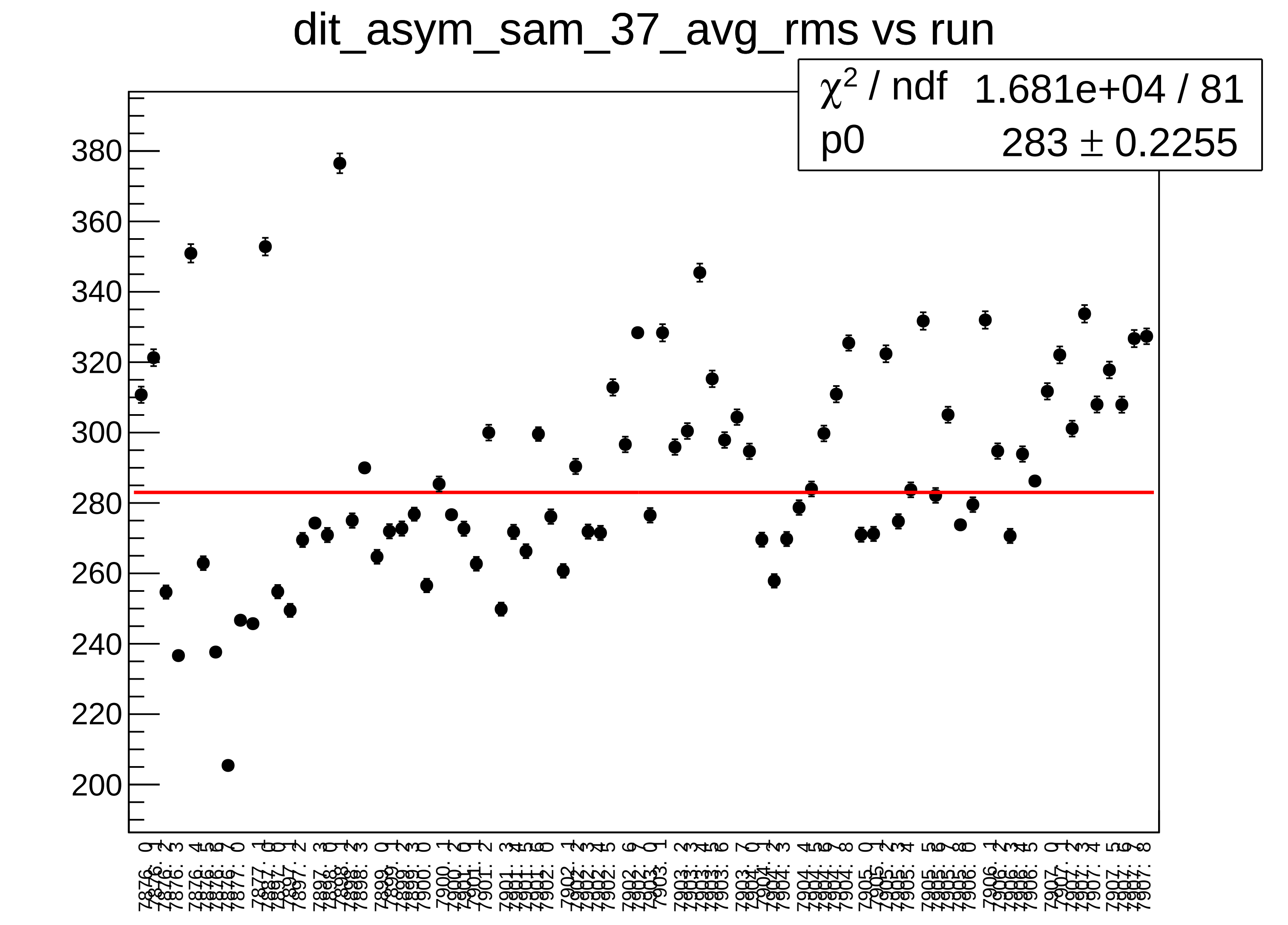


asym_sam_26_avg_mean vs run
χ2 / ndf 73.06 / 81
p0 3494 ± 2461
pull
Entries 82
Mean −58.15
Std Dev 68.39
pull1D
Entries 82
Mean −0.007425
Std Dev 0.9439

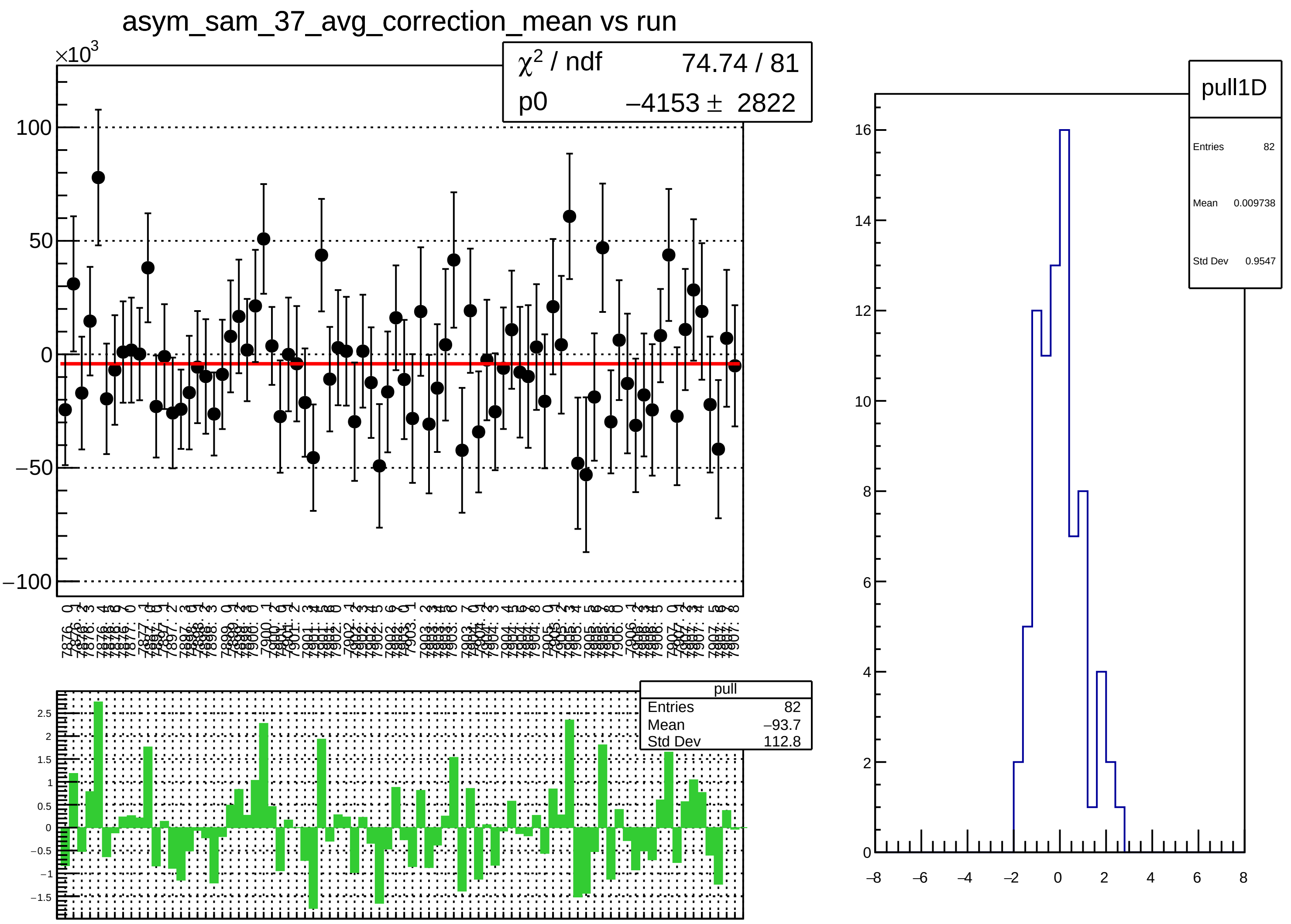


asym_sam_26_avg_rms vs run
χ2 / ndf 1.376e+04 / 81
p0 2186 ± 1.74
2800
2600
2400
2200
2000
1800

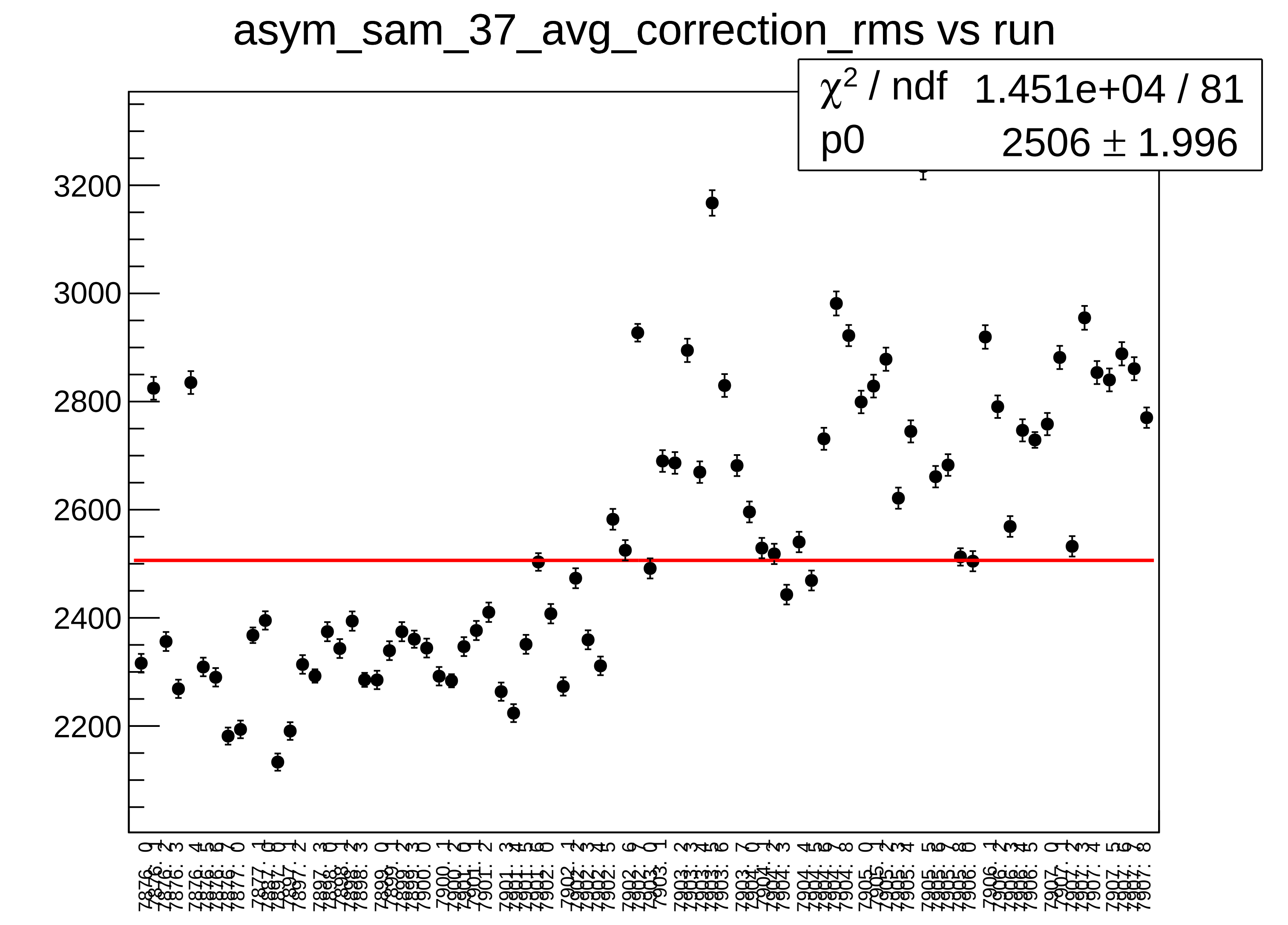

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 84.3 / 81
p0 −229.8 ± 318.9
pull
Entries 82
Mean −252.8
Std Dev 285.8
pull1D
Entries 82
Mean 0.01182
Std Dev 1.014



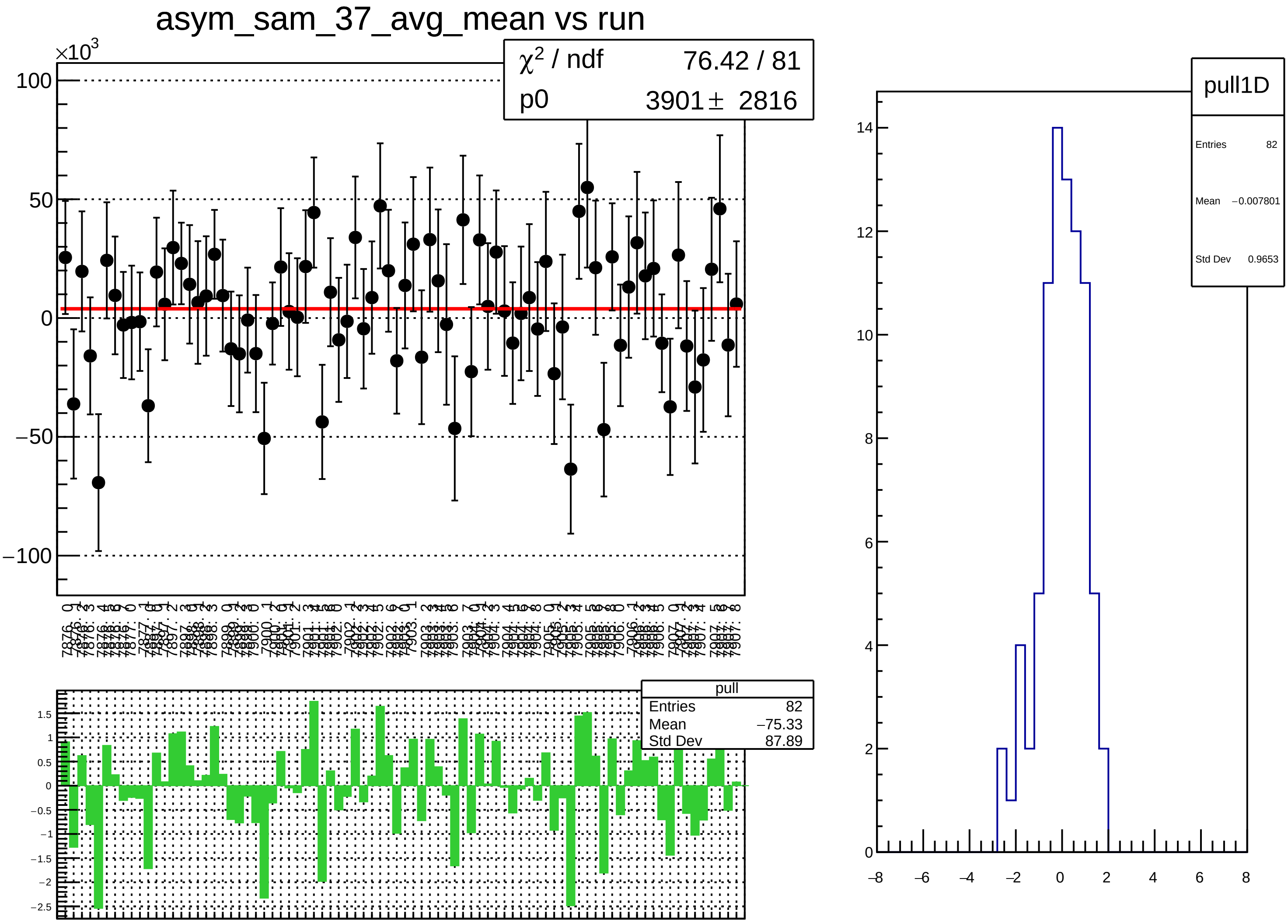
dit_asym_sam_37_avg_rms vs run
χ2 / ndf 1.681e+04 / 81
p0 283 ± 0.2255



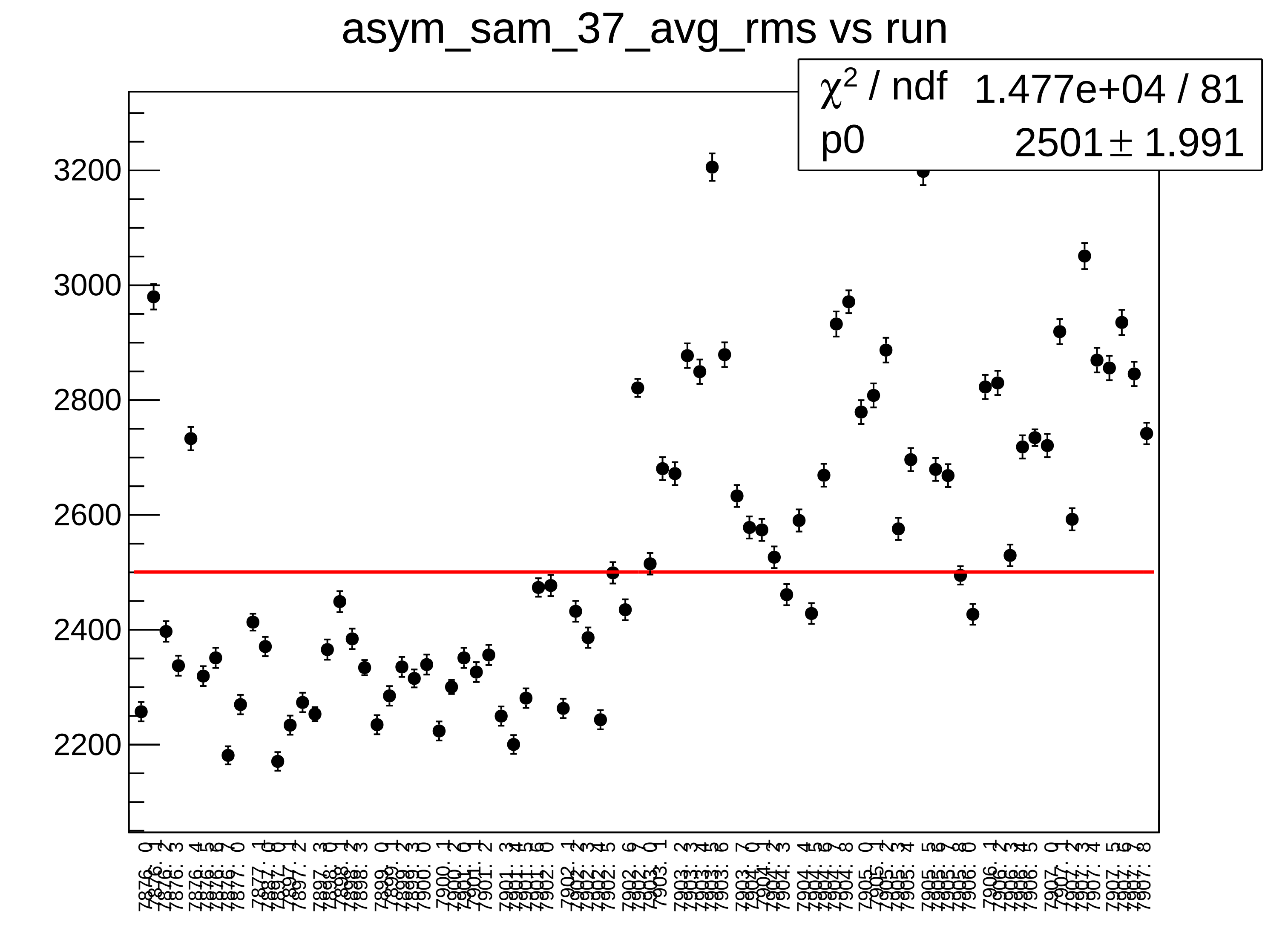
asym_sam_37_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 74.74 / 81
p0 −4153 ± 2822
100
50
0
−50
−100
pull
Entries 82
Mean −93.7
Std Dev 112.8
pull1D
Entries 82
Mean 0.009738
Std Dev 0.9547

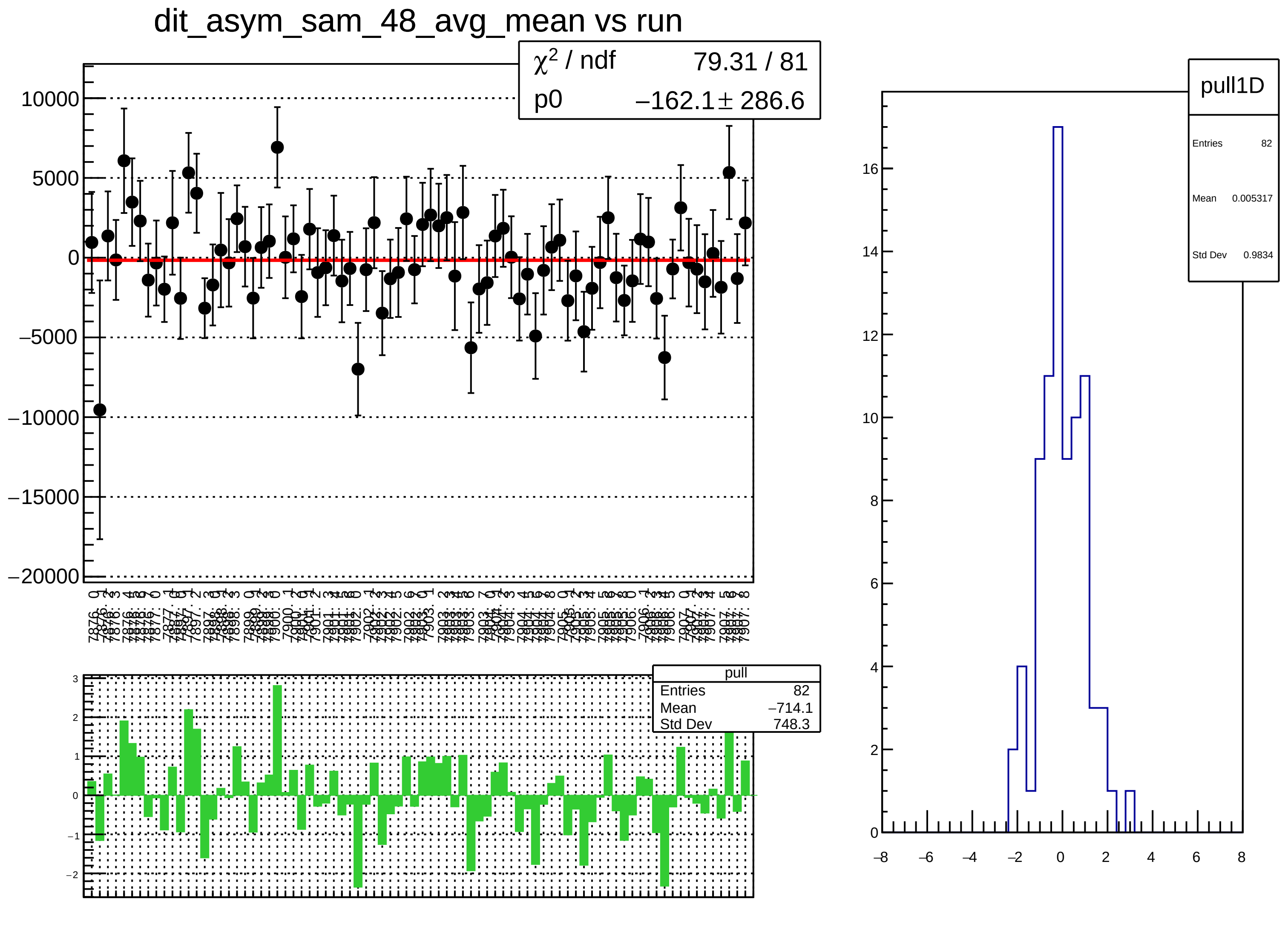


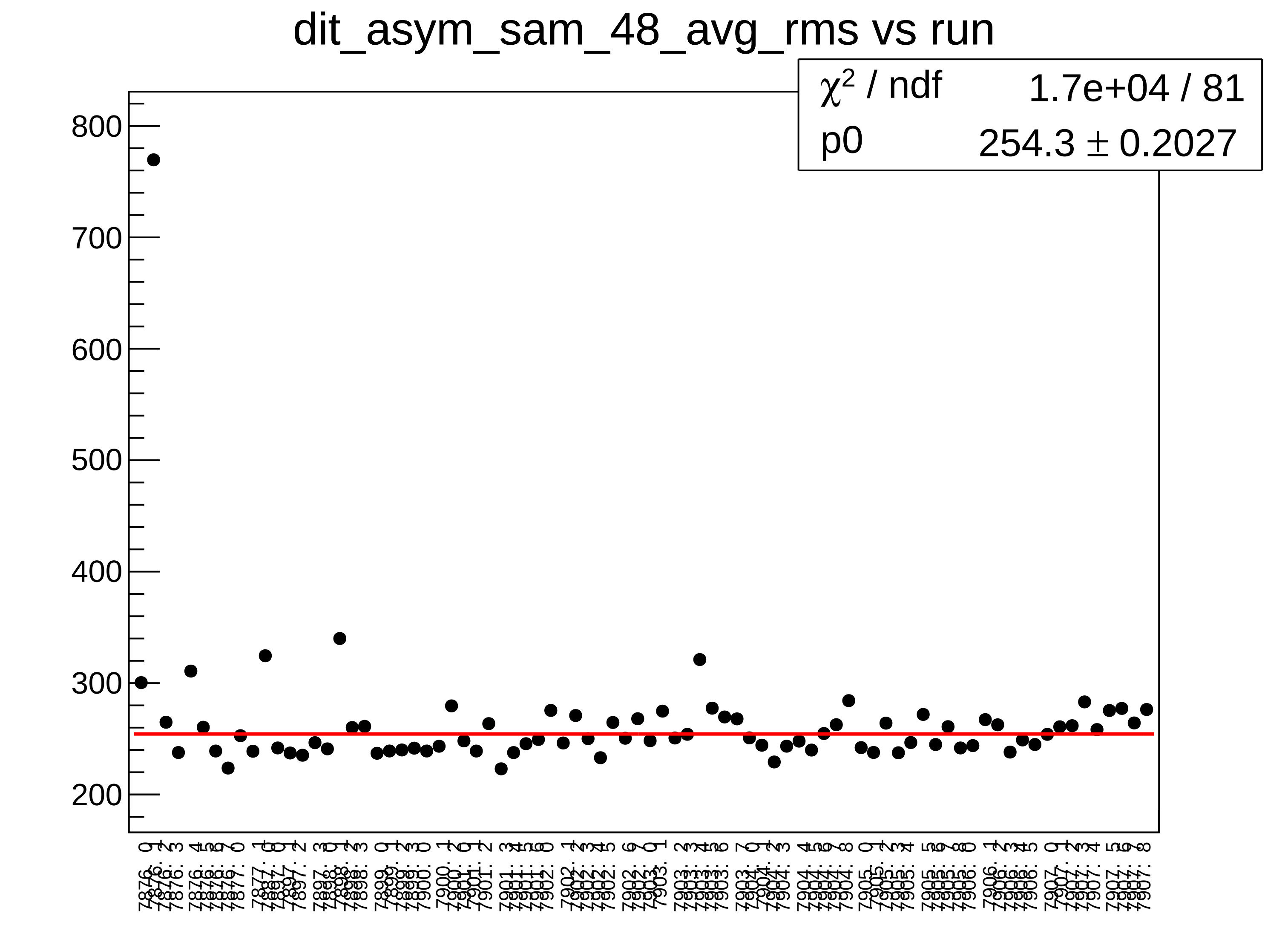
asym_sam_37_avg_correction_rms vs run
χ2 / ndf 1.451e+04 / 81
p0 2506 ± 1.996
3200
3000
2800
2600
2400
2200



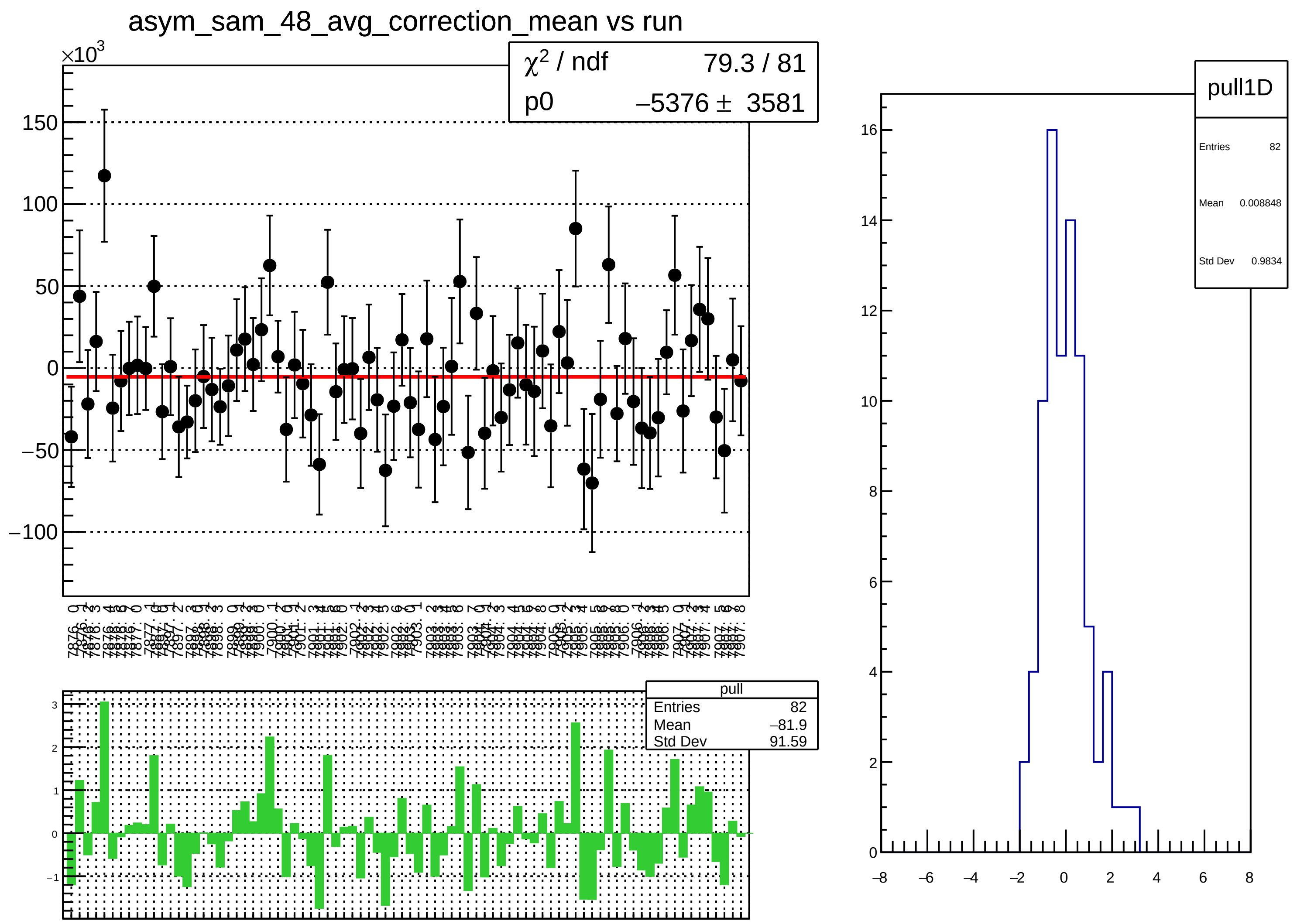
asym_sam_37_avg_mean vs run
×10^3
χ^2 / ndf 76.42 / 81
p0 3901 ± 2816
100
50
0
−50
−100
pull
Entries 82
Mean −75.33
Std Dev 87.89
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.007801
Std Dev 0.9653
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_rms vs run
χ^2 / ndf 1.477e+04 / 81
p0 2501 ± 1.991
3200
3000
2800
2600
2400
2200

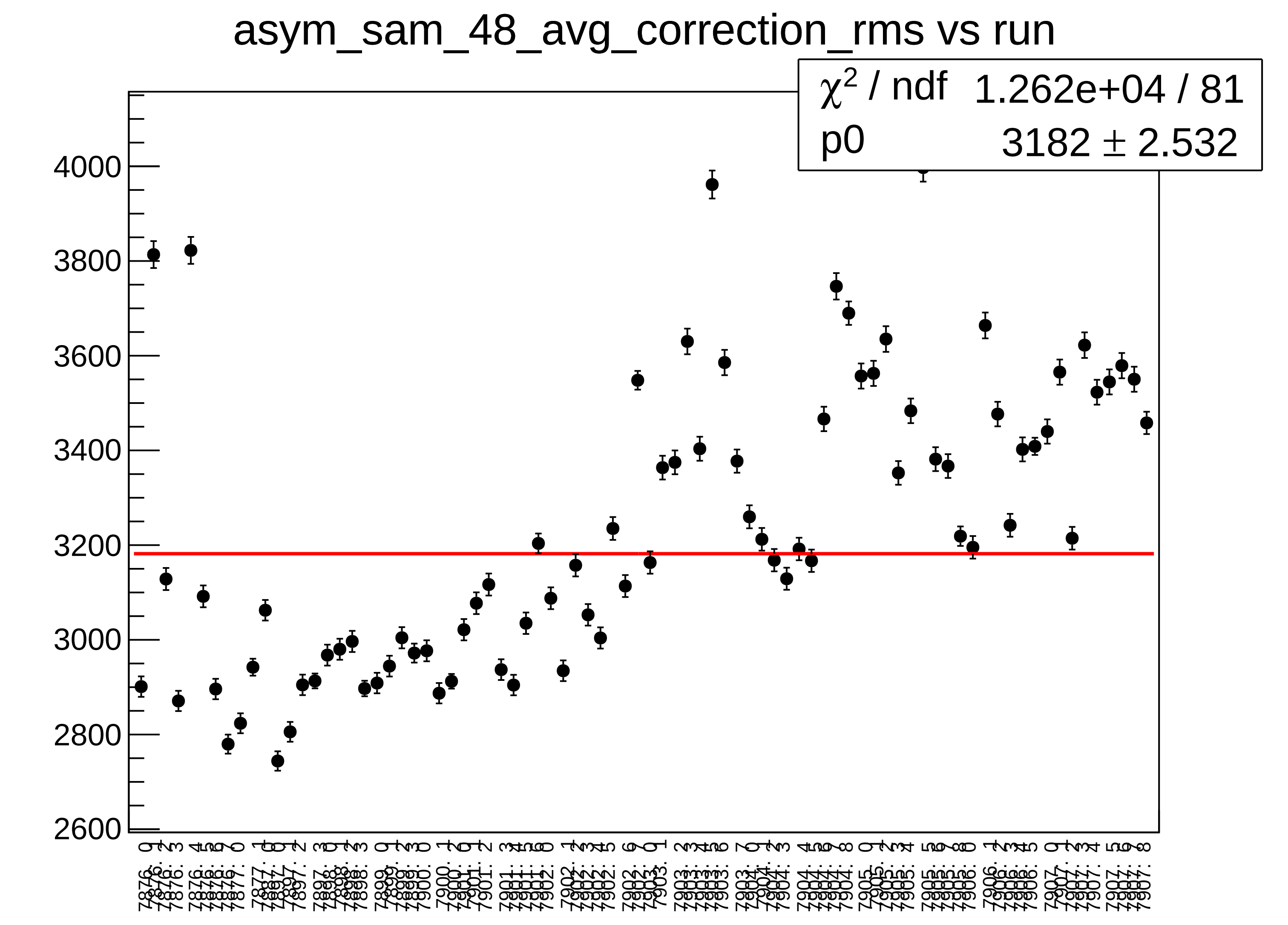

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 79.31 / 81
p0 −162.1 ± 286.6
pull
Entries 82
Mean −714.1
Std Dev 748.3
pull1D
Entries 82
Mean 0.005317
Std Dev 0.9834



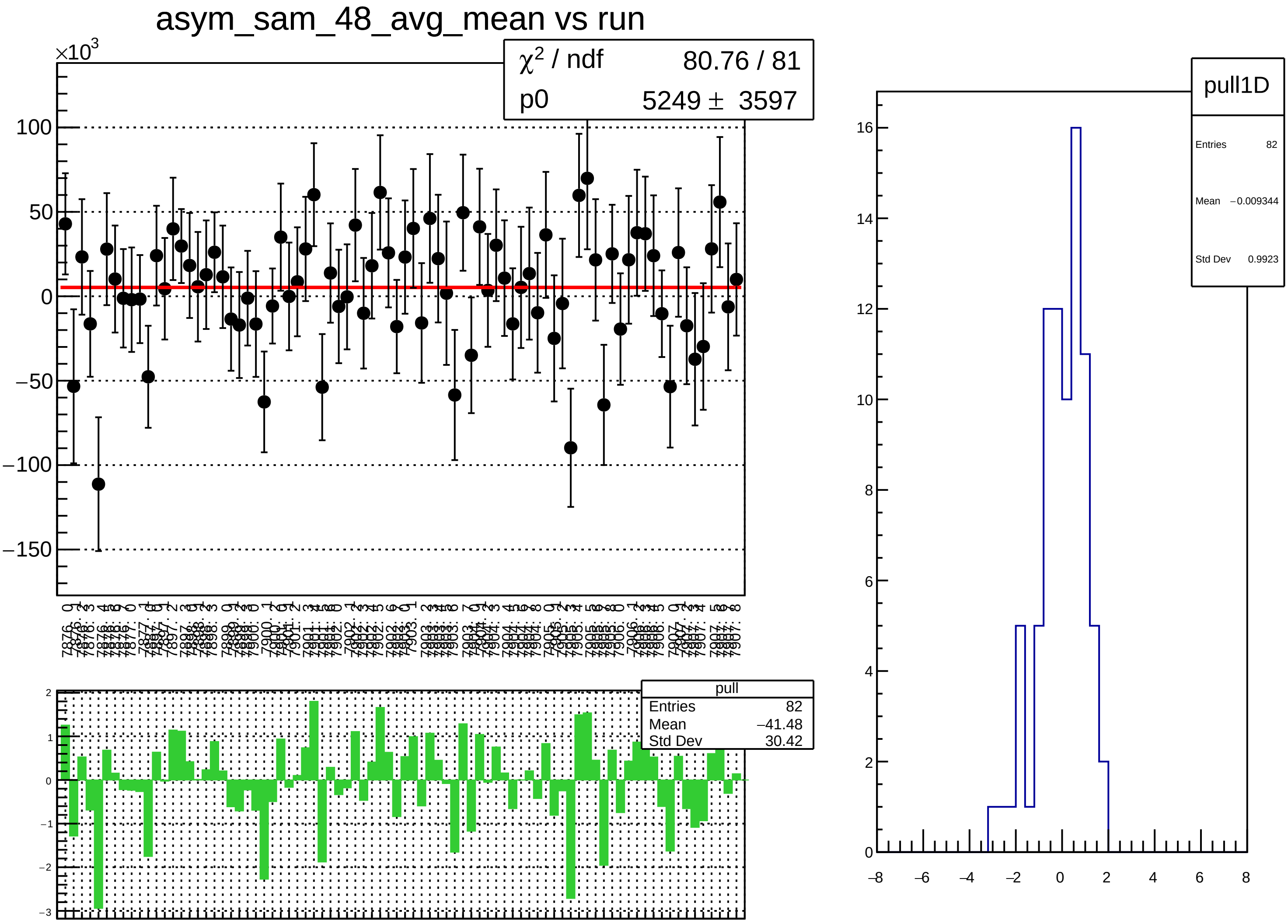
dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.7e+04 / 81
p0 254.3 ± 0.2027
800
700
600
500
400
300
200

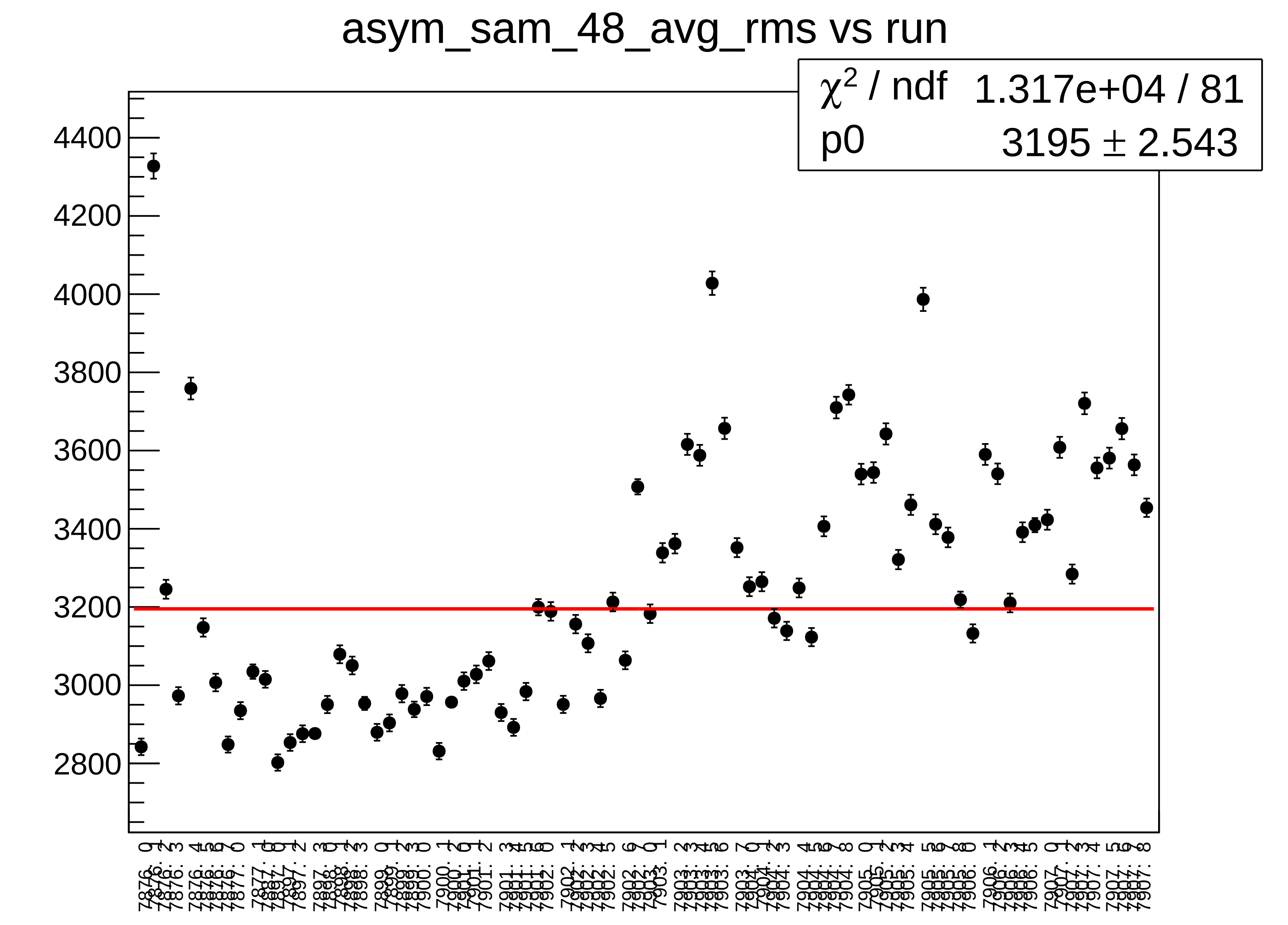


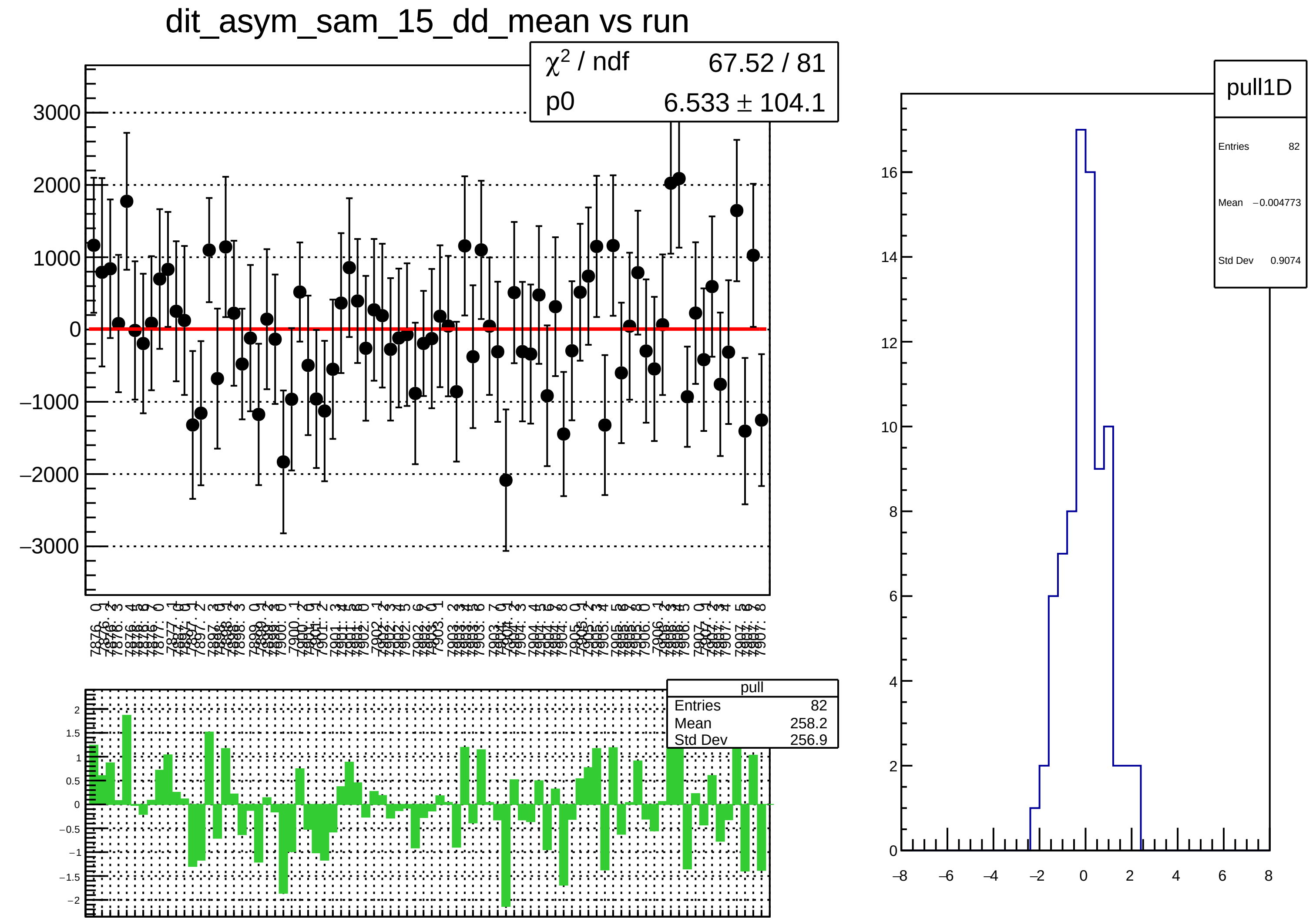
asym_sam_48_avg_correction_mean vs run
×10^3
χ^2 / ndf 79.3 / 81
p0 −5376 ± 3581
pull
Entries 82
Mean −81.9
Std Dev 91.59
pull1D
Entries 82
Mean 0.008848
Std Dev 0.9834

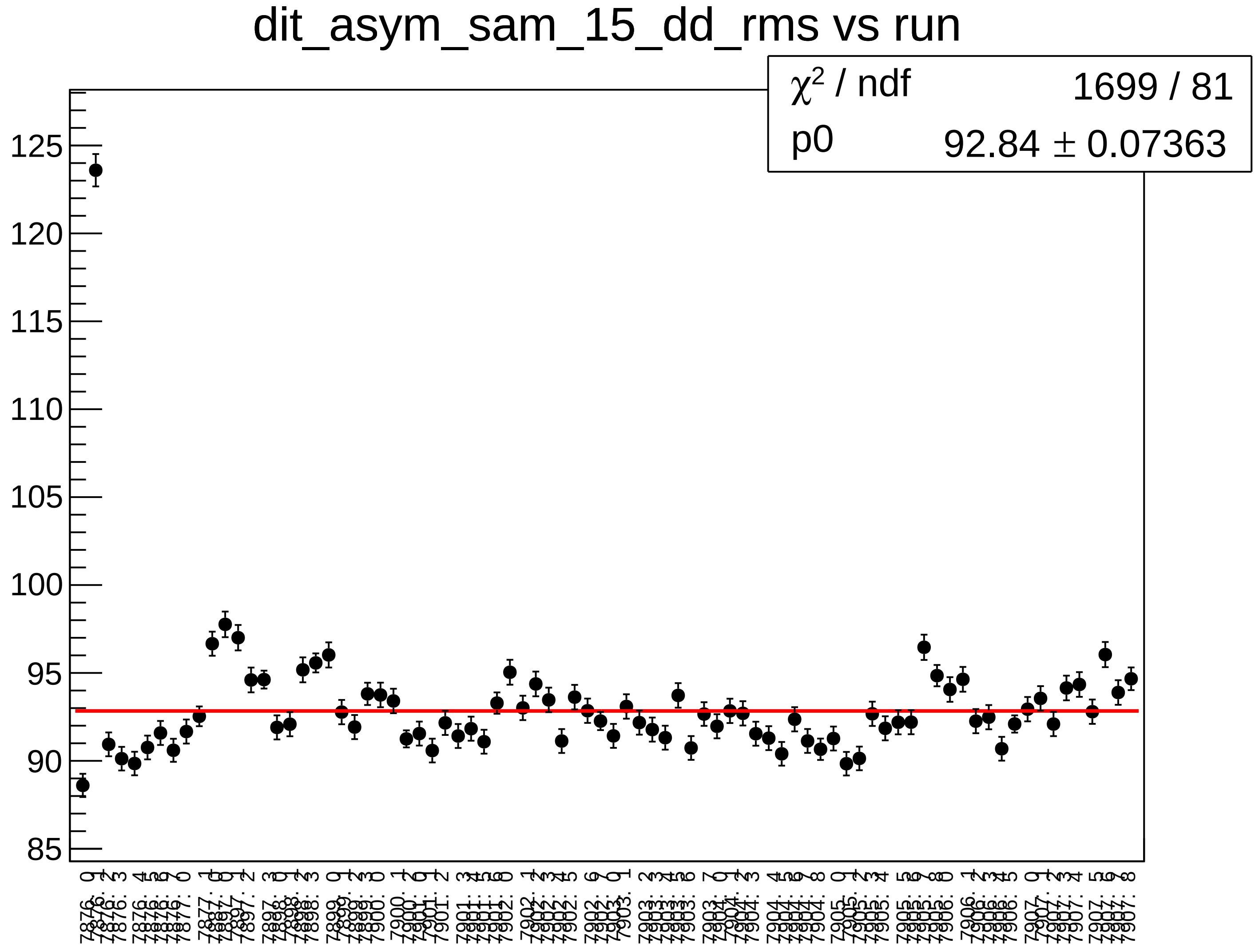


asym_sam_48_avg_correction_rms vs run
χ2 / ndf 1.262e+04 / 81
p0 3182 ± 2.532
4000
3800
3600
3400
3200
3000
2800
2600

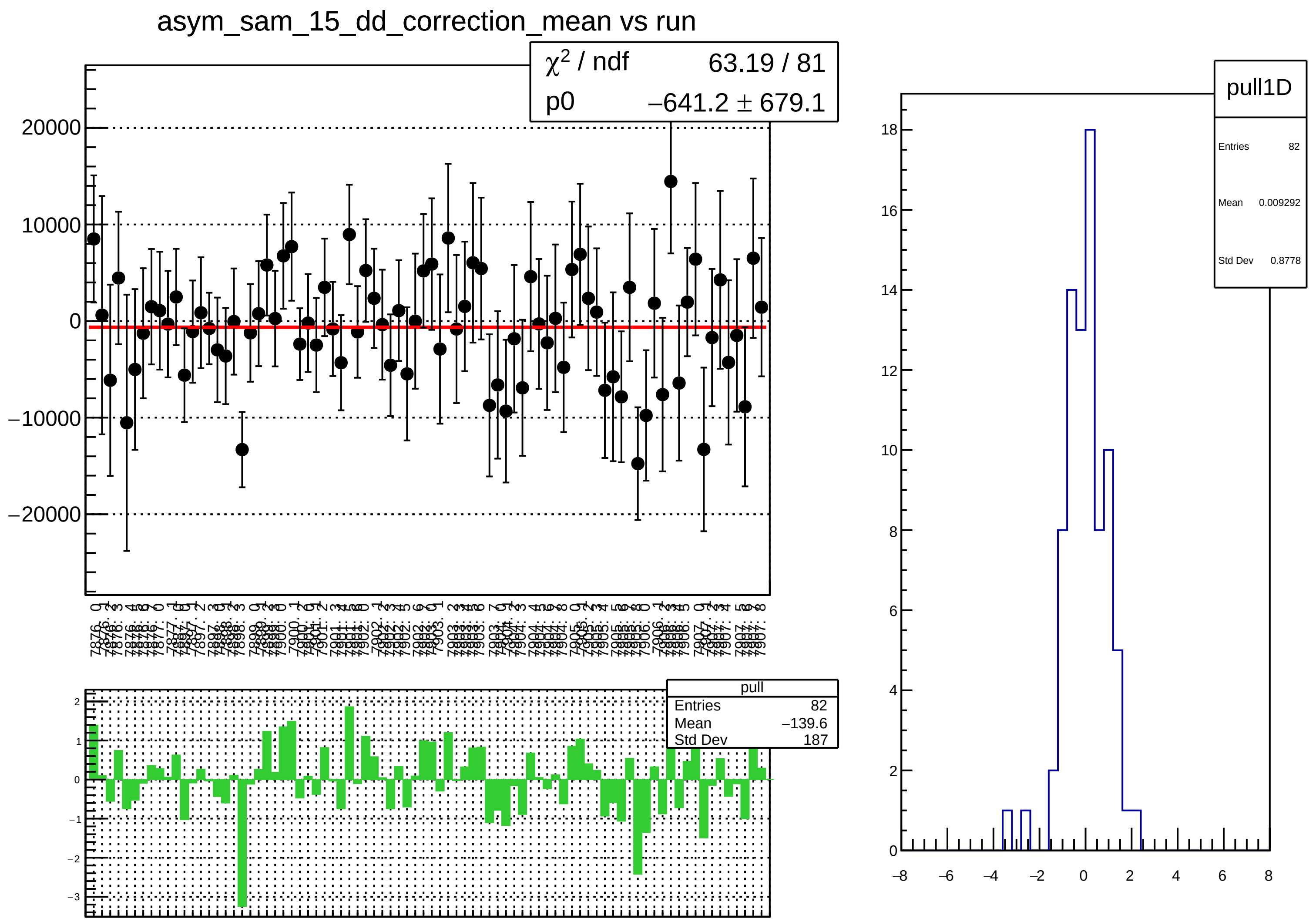

asym_sam_48_avg_mean vs run
×10^3
χ2 / ndf 80.76 / 81
p0 5249 ± 3597
100
50
0
−50
−100
−150
2
1
0
−1
−2
−3
pull
Entries 82
Mean −41.48
Std Dev 30.42
pull1D
Entries 82
Mean −0.009344
Std Dev 0.9923
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_rms vs run
χ2 / ndf 1.317e+04 / 81
p0 3195 ± 2.543
4400
4200
4000
3800
3600
3400
3200
3000
2800

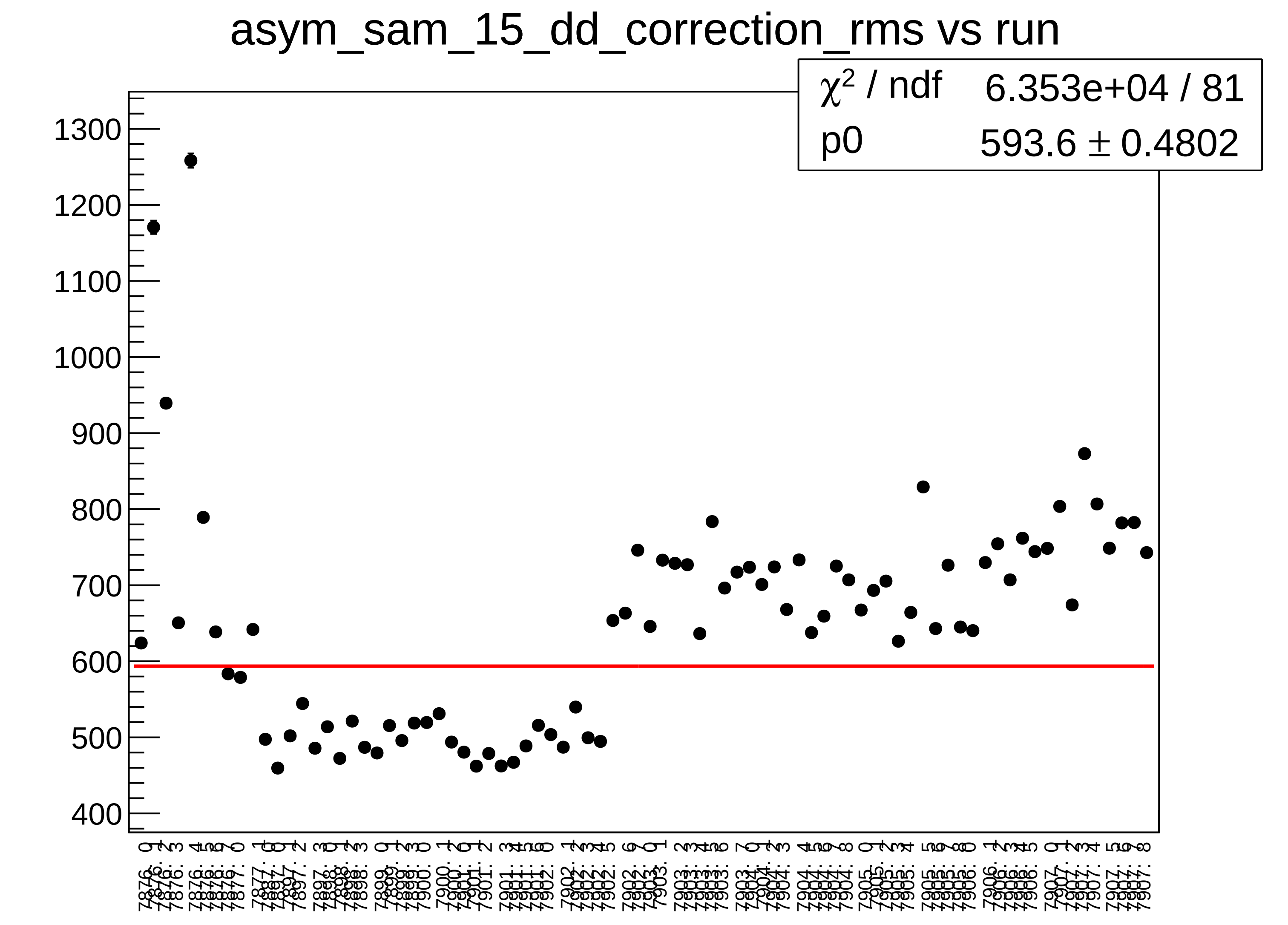

dit_asym_sam_15_dd_mean vs run
χ2 / ndf 67.52 / 81
p0 6.533 ± 104.1
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 258.2
Std Dev 256.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.004773
Std Dev 0.9074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



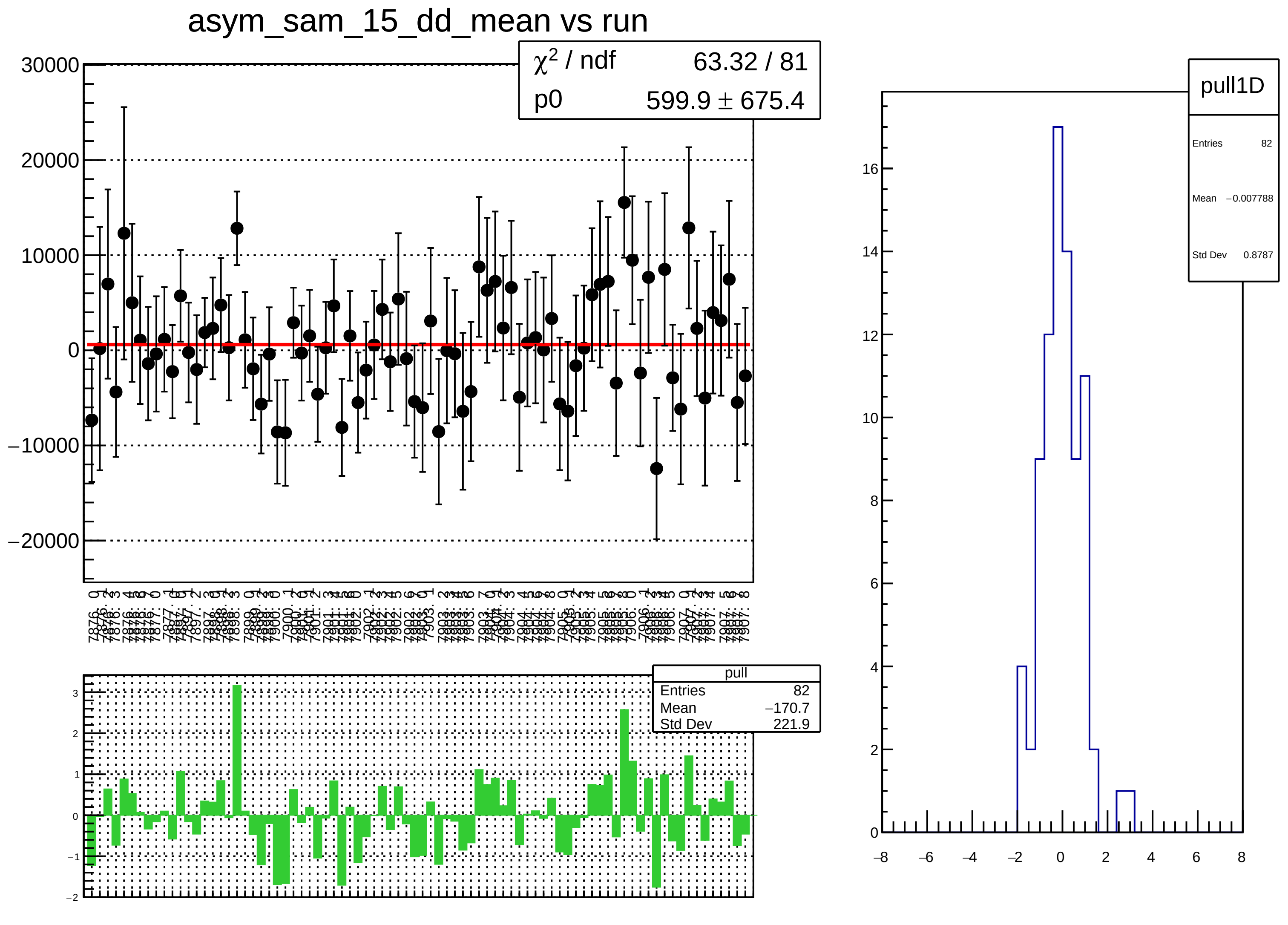
dit_asym_sam_15_dd_rms vs run
χ2 / ndf 1699 / 81
p0 92.84 ± 0.07363
125
120
115
110
105
100
95
90
85



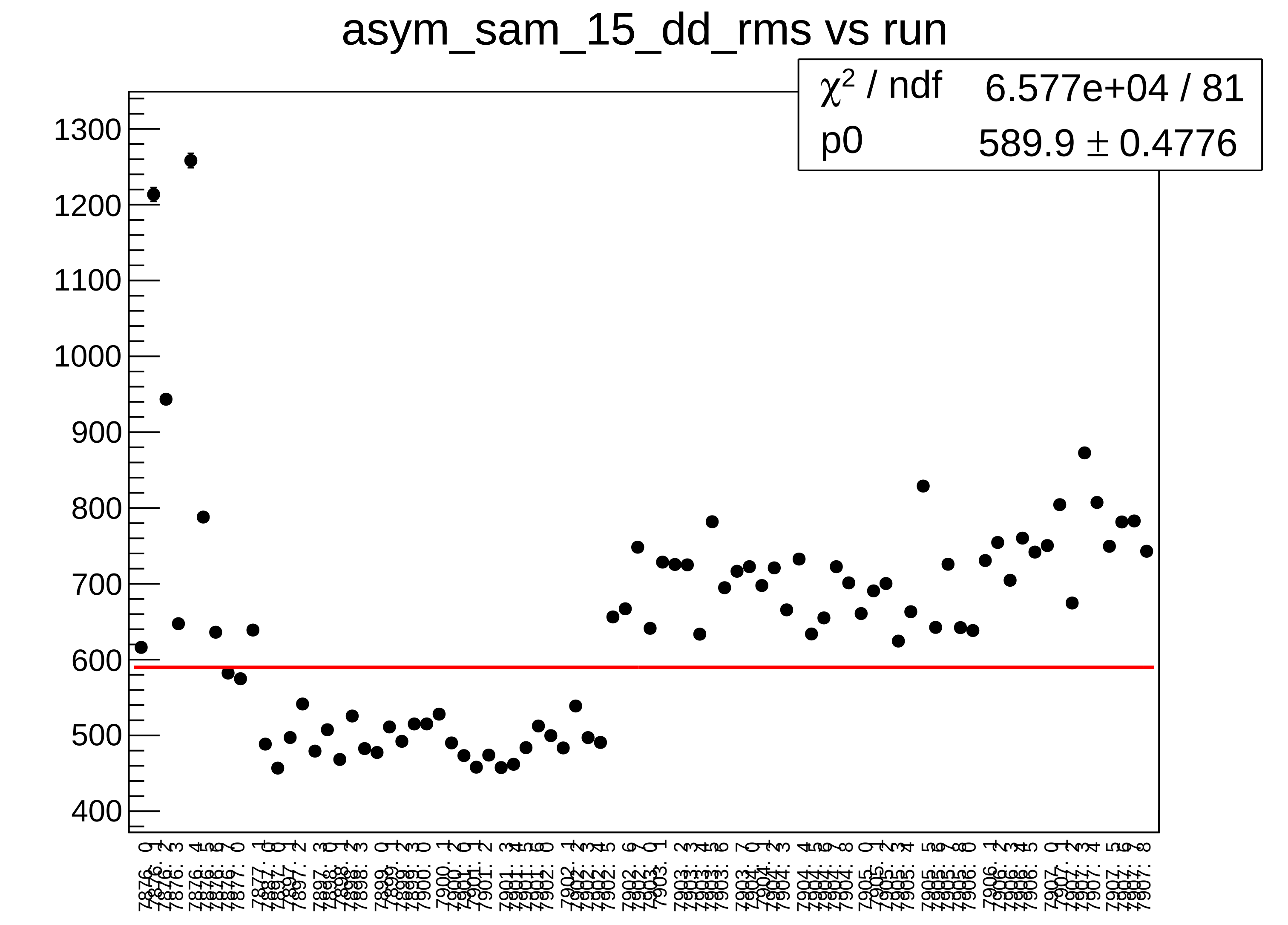
asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 63.19 / 81
p0 −641.2 ± 679.1
pull
Entries 82
Mean −139.6
Std Dev 187
pull1D
Entries 82
Mean 0.009292
Std Dev 0.8778



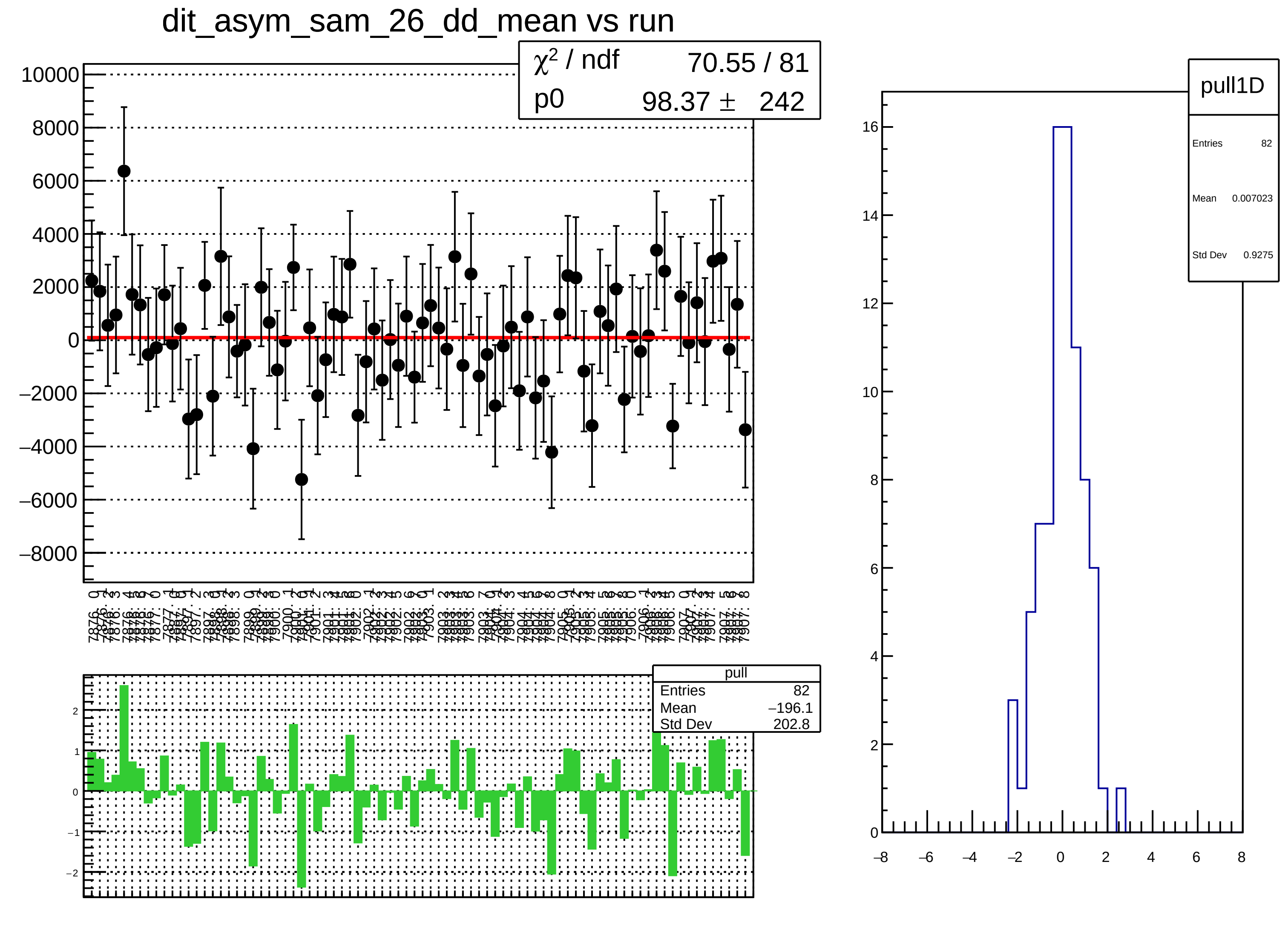
asym_sam_15_dd_correction_rms vs run
χ² / ndf 6.353e+04 / 81
p0 593.6 ± 0.4802
1300
1200
1100
1000
900
800
700
600
500
400



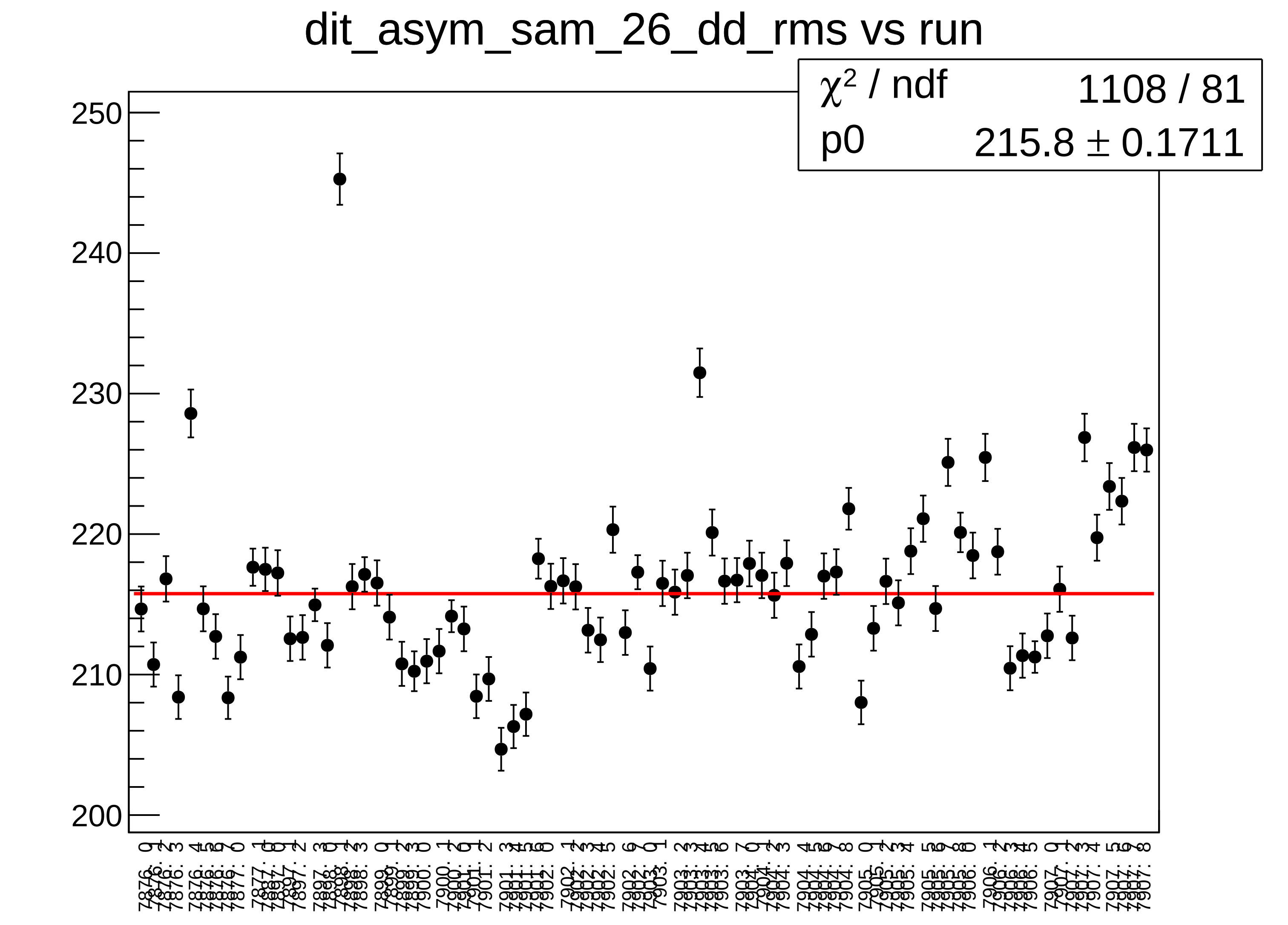
asym_sam_15_dd_mean vs run
χ^2 / ndf 63.32 / 81
p0 599.9 ± 675.4
pull
Entries 82
Mean −170.7
Std Dev 221.9
pull1D
Entries 82
Mean −0.007788
Std Dev 0.8787



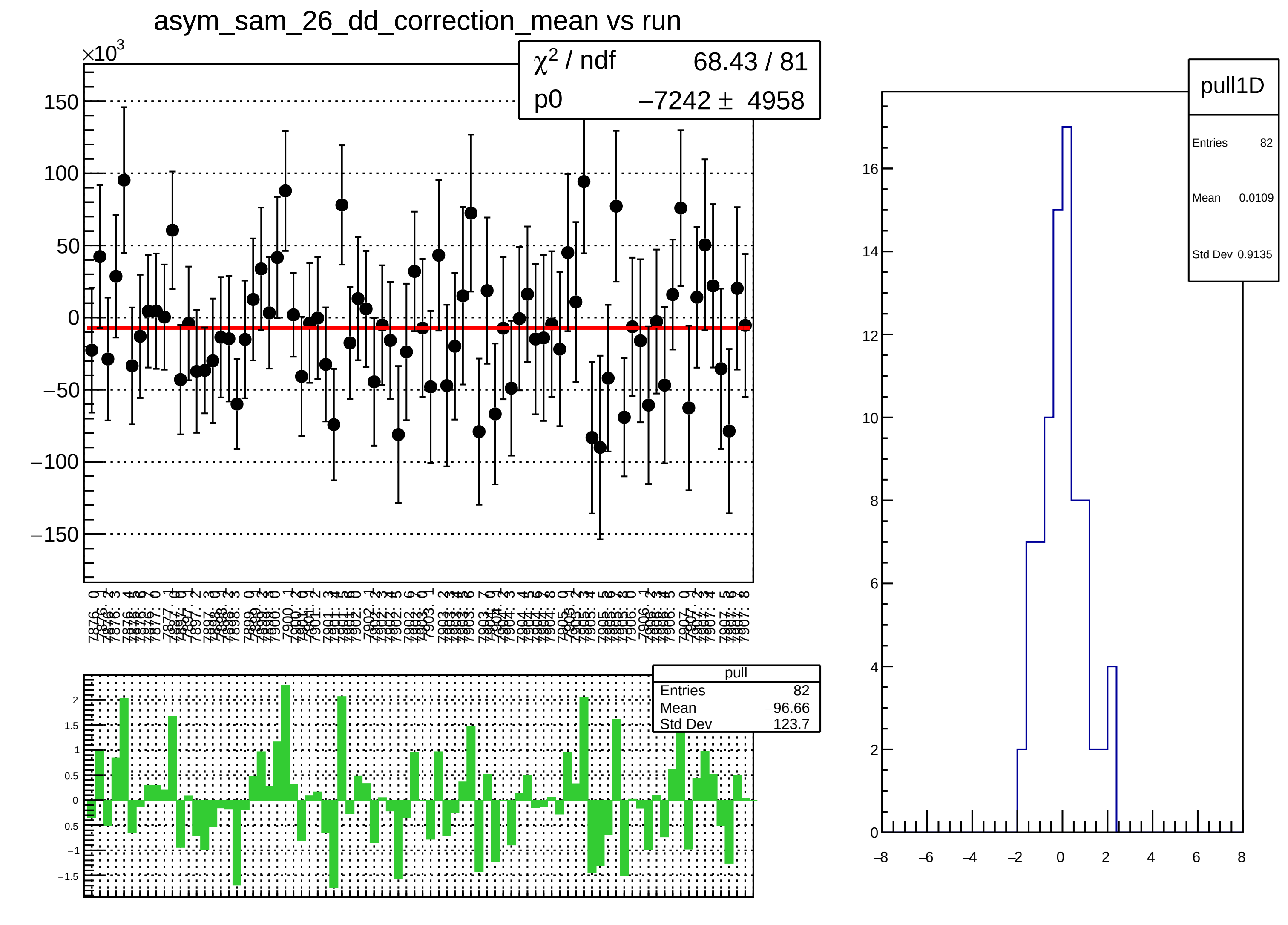
asym_sam_15_dd_rms vs run
χ2 / ndf 6.577e+04 / 81
p0 589.9 ± 0.4776
1300
1200
1100
1000
900
800
700
600
500
400



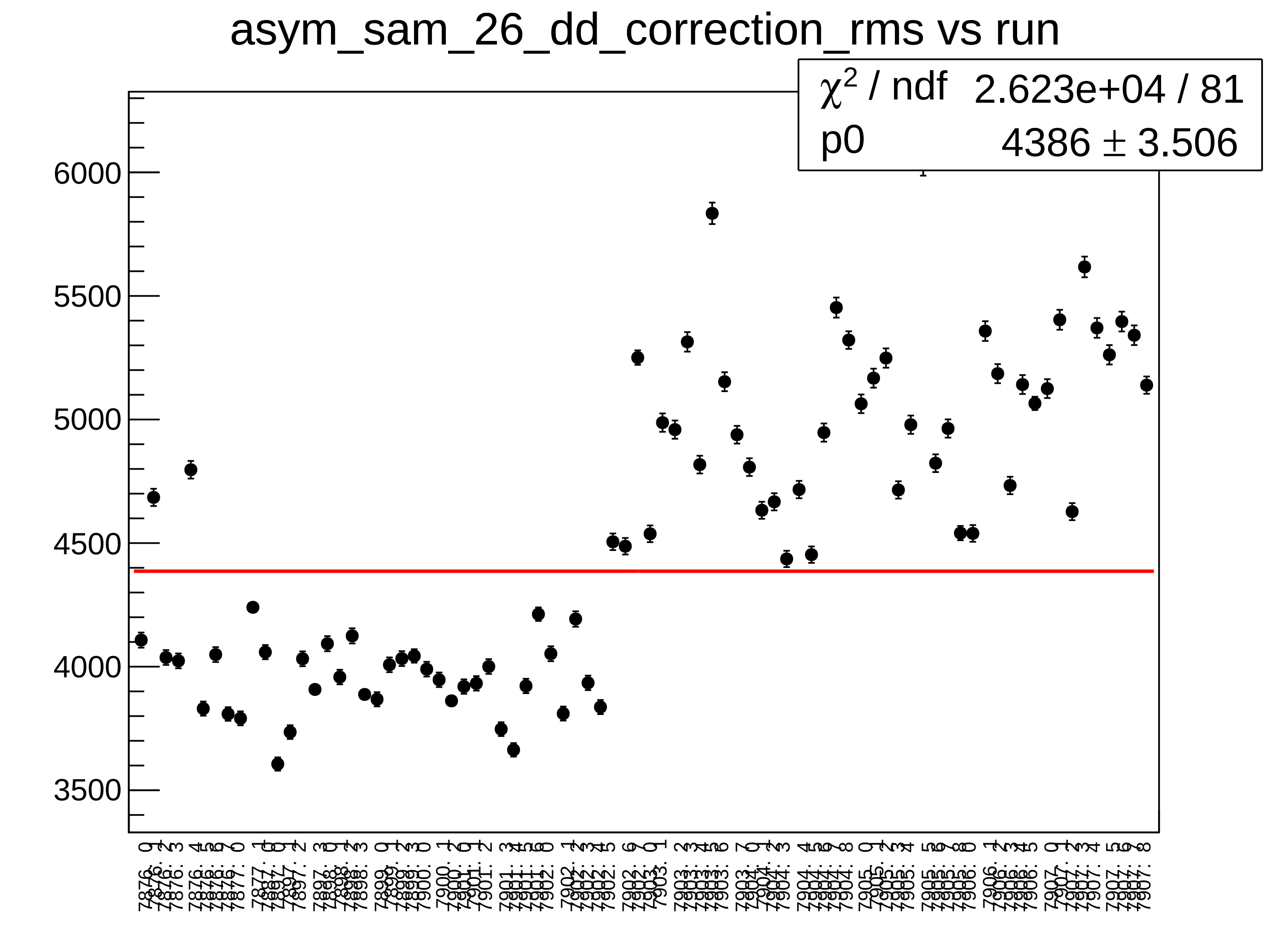
dit_asym_sam_26_dd_mean vs run
χ2 / ndf 70.55 / 81
p0 98.37 ± 242
pull
Entries 82
Mean −196.1
Std Dev 202.8
pull1D
Entries 82
Mean 0.007023
Std Dev 0.9275



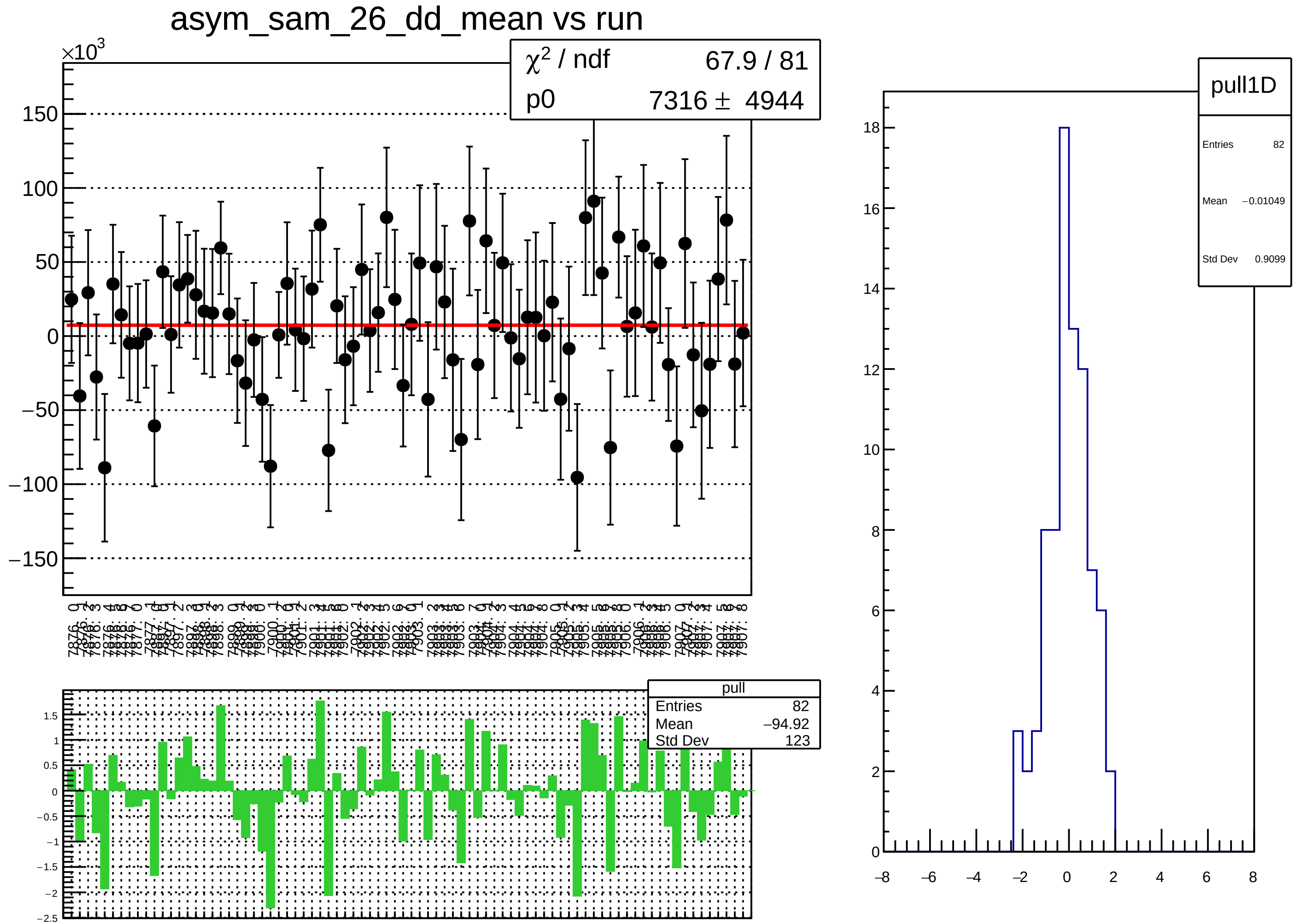
dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 1108 / 81
p0 215.8 ± 0.1711
250
240
230
220
210
200



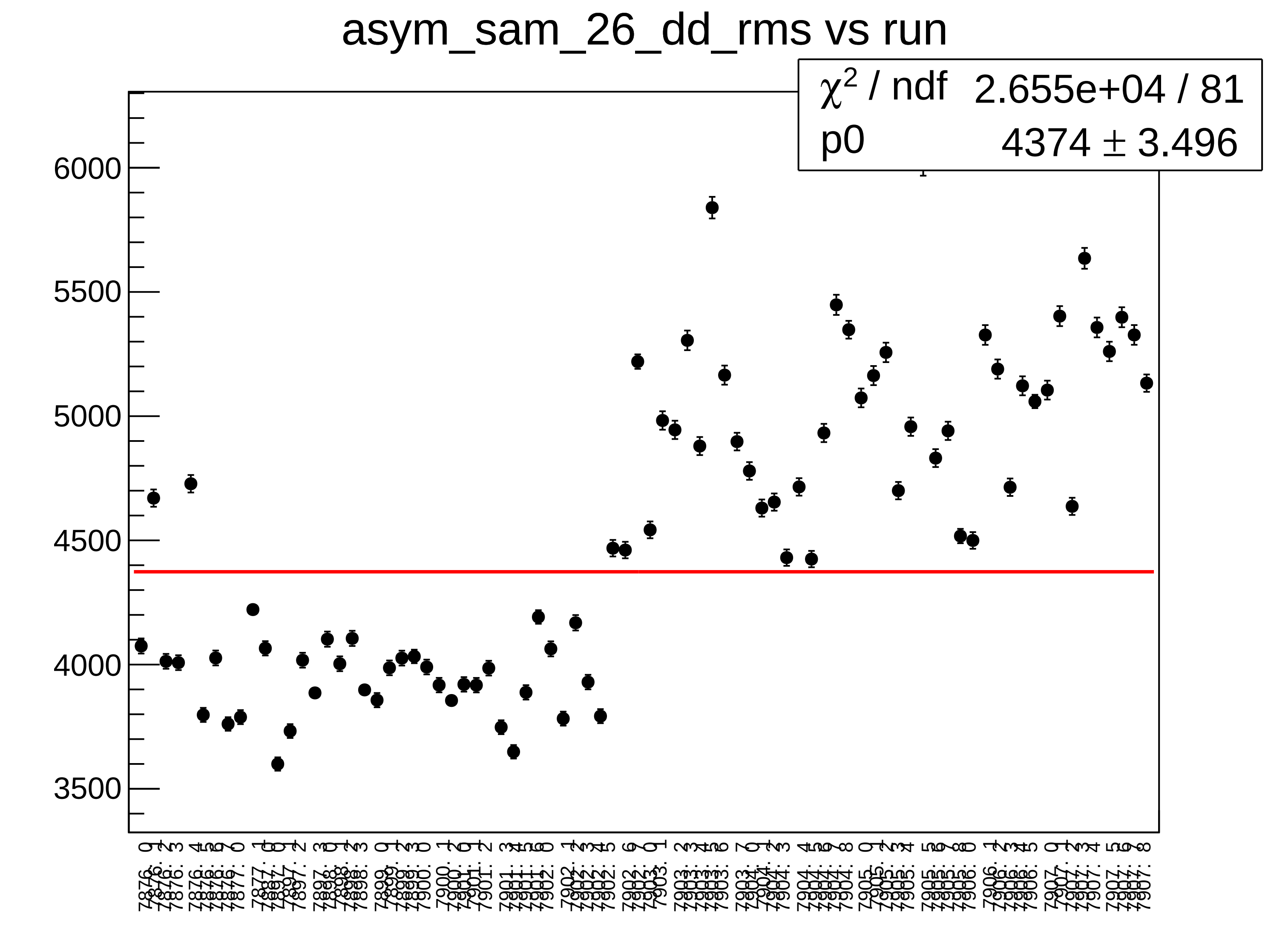
asym_sam_26_dd_correction_mean vs run
×10^3
χ^2 / ndf 68.43 / 81
p0 −7242 ± 4958
pull
Entries 82
Mean −96.66
Std Dev 123.7
pull1D
Entries 82
Mean 0.0109
Std Dev 0.9135



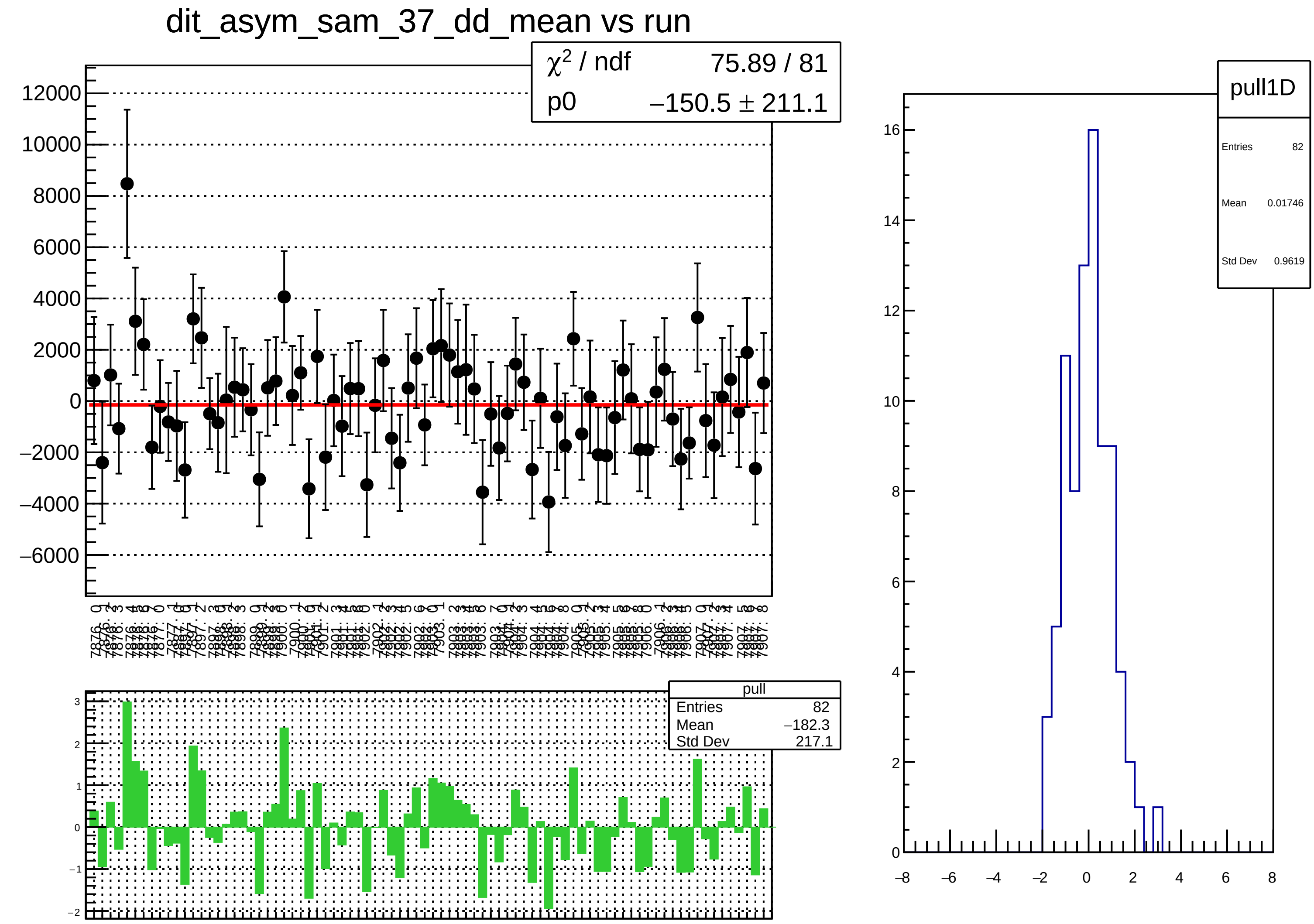
asym_sam_26_dd_correction_rms vs run
χ2 / ndf 2.623e+04 / 81
p0 4386 ± 3.506
6000
5500
5000
4500
4000
3500



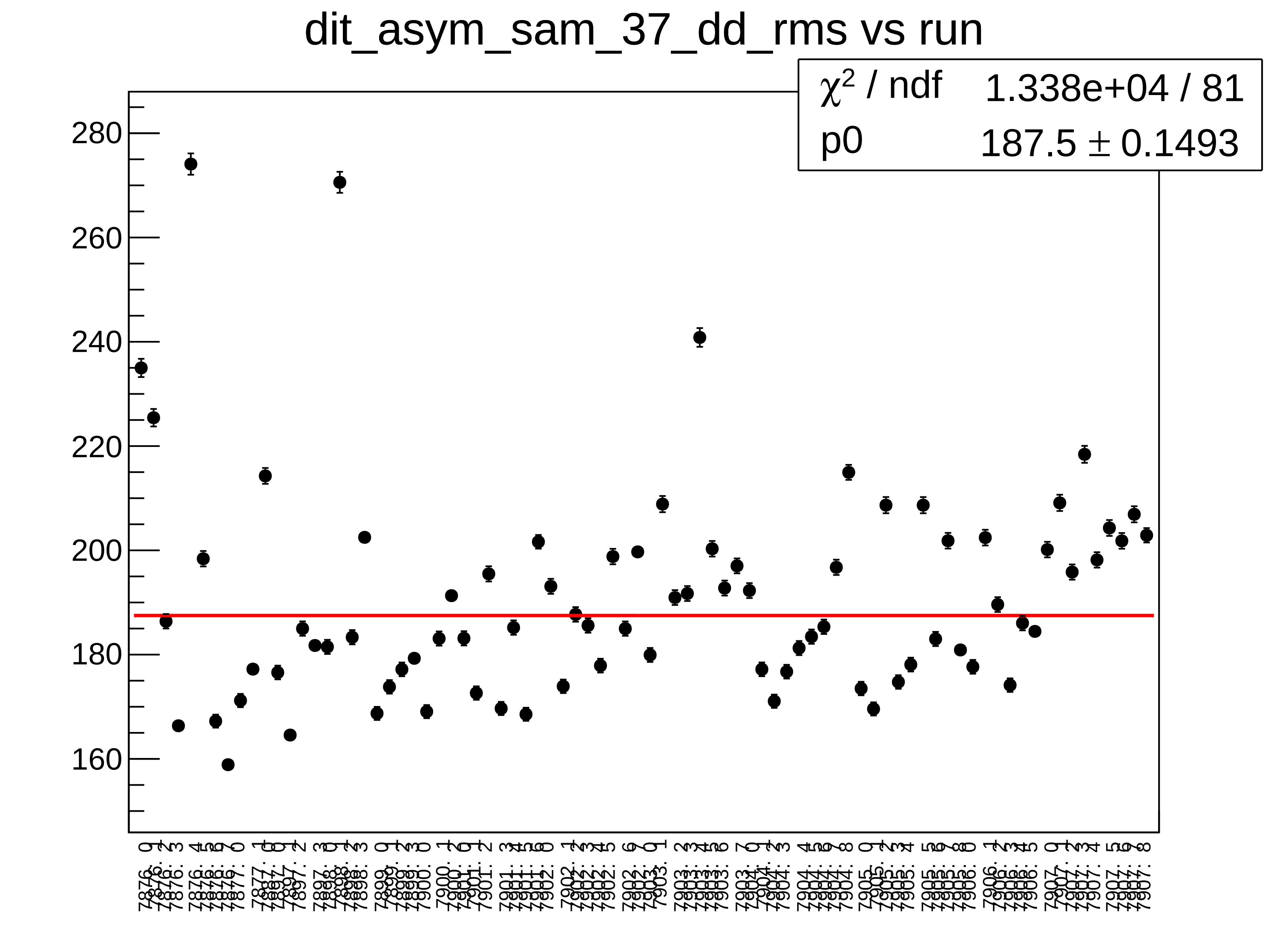
asym_sam_26_dd_mean vs run
×10^3
χ2 / ndf 67.9 / 81
p0 7316 ± 4944
pull
Entries 82
Mean −94.92
Std Dev 123
pull1D
Entries 82
Mean −0.01049
Std Dev 0.9099



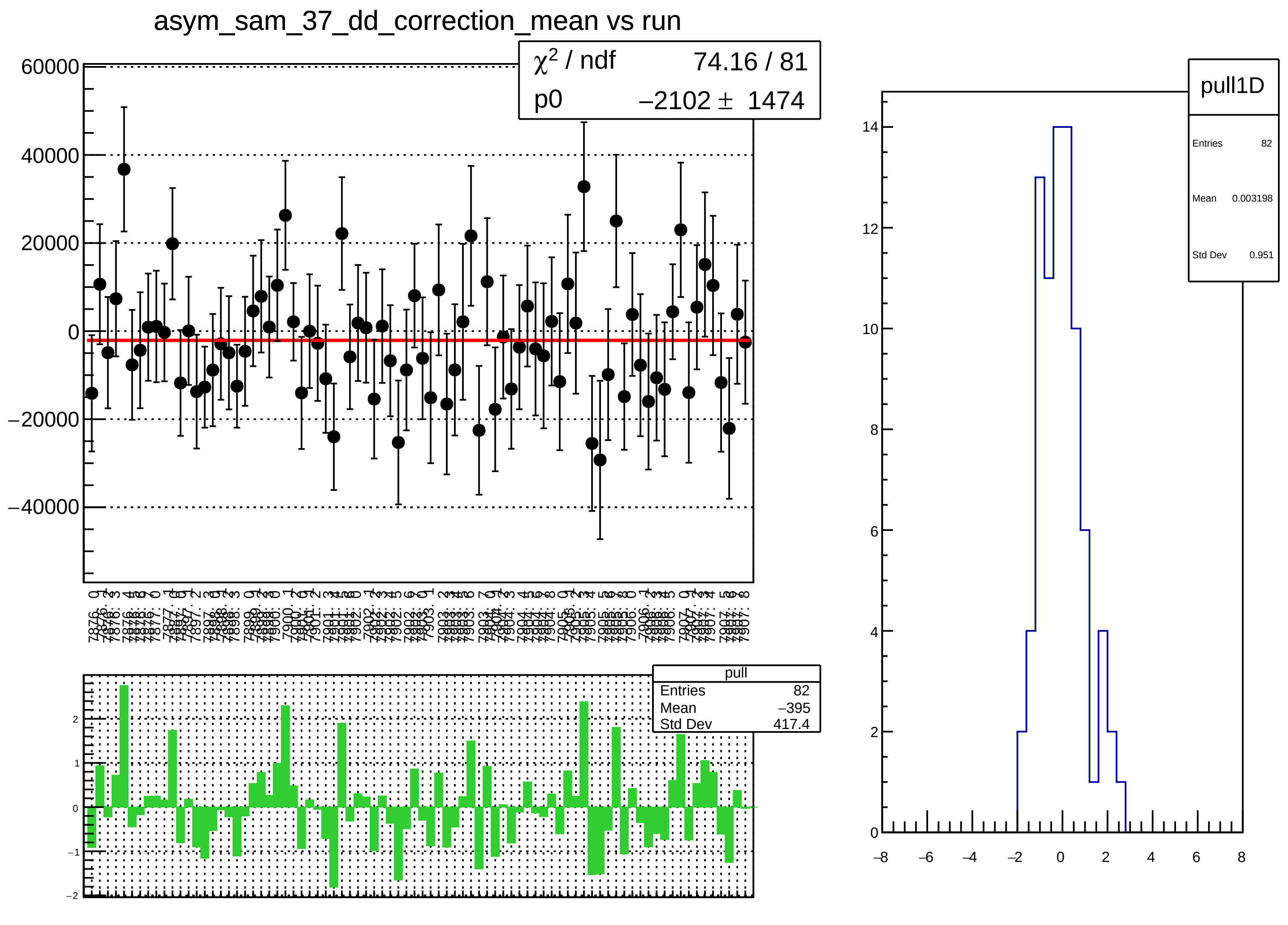
asym_sam_26_dd_rms vs run
χ^2 / ndf 2.655e+04 / 81
p0 4374 ± 3.496
6000
5500
5000
4500
4000
3500



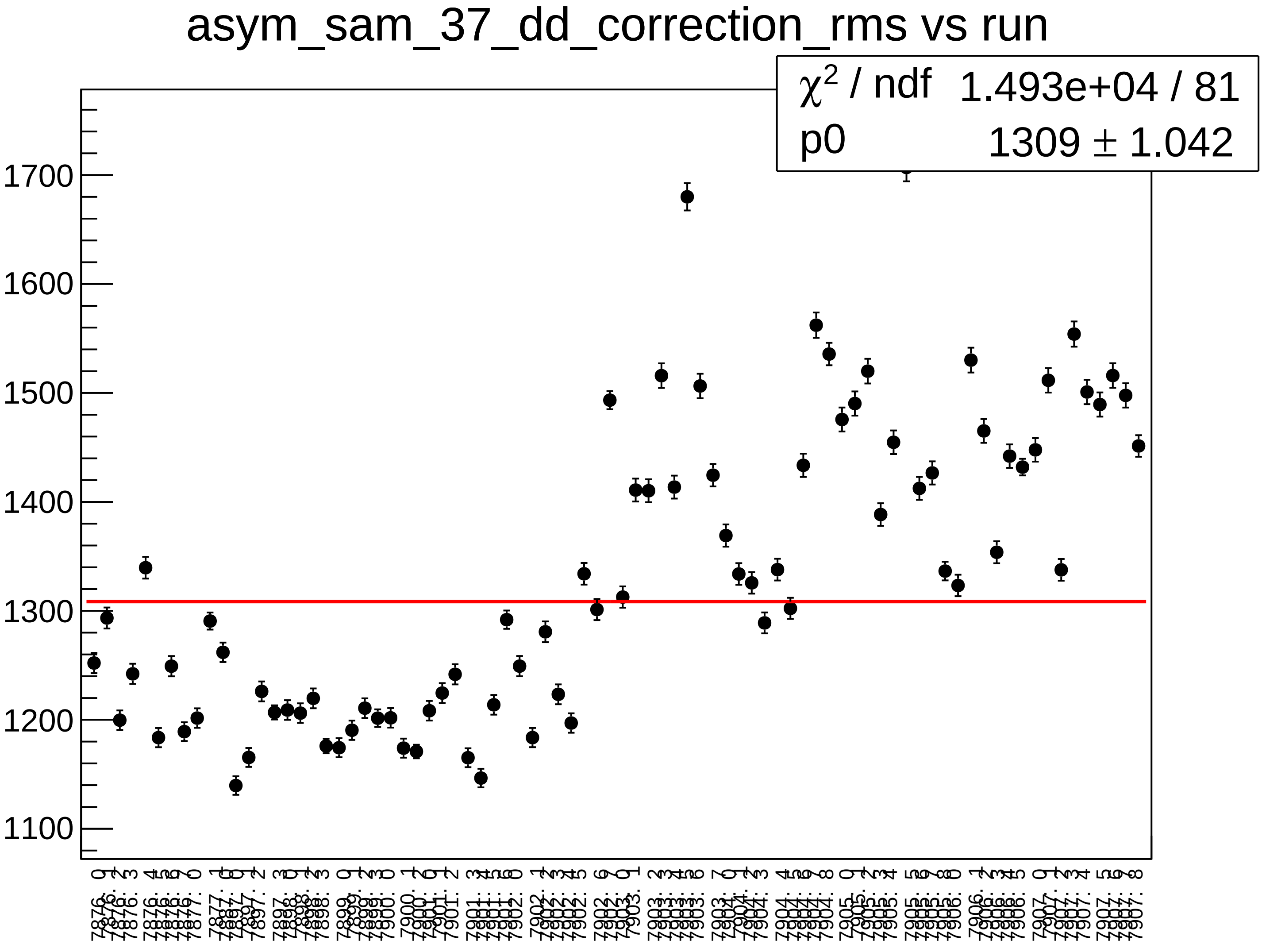
dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 75.89 / 81
p0 −150.5 ± 211.1
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −182.3
Std Dev 217.1
pull1D
Entries 82
Mean 0.01746
Std Dev 0.9619



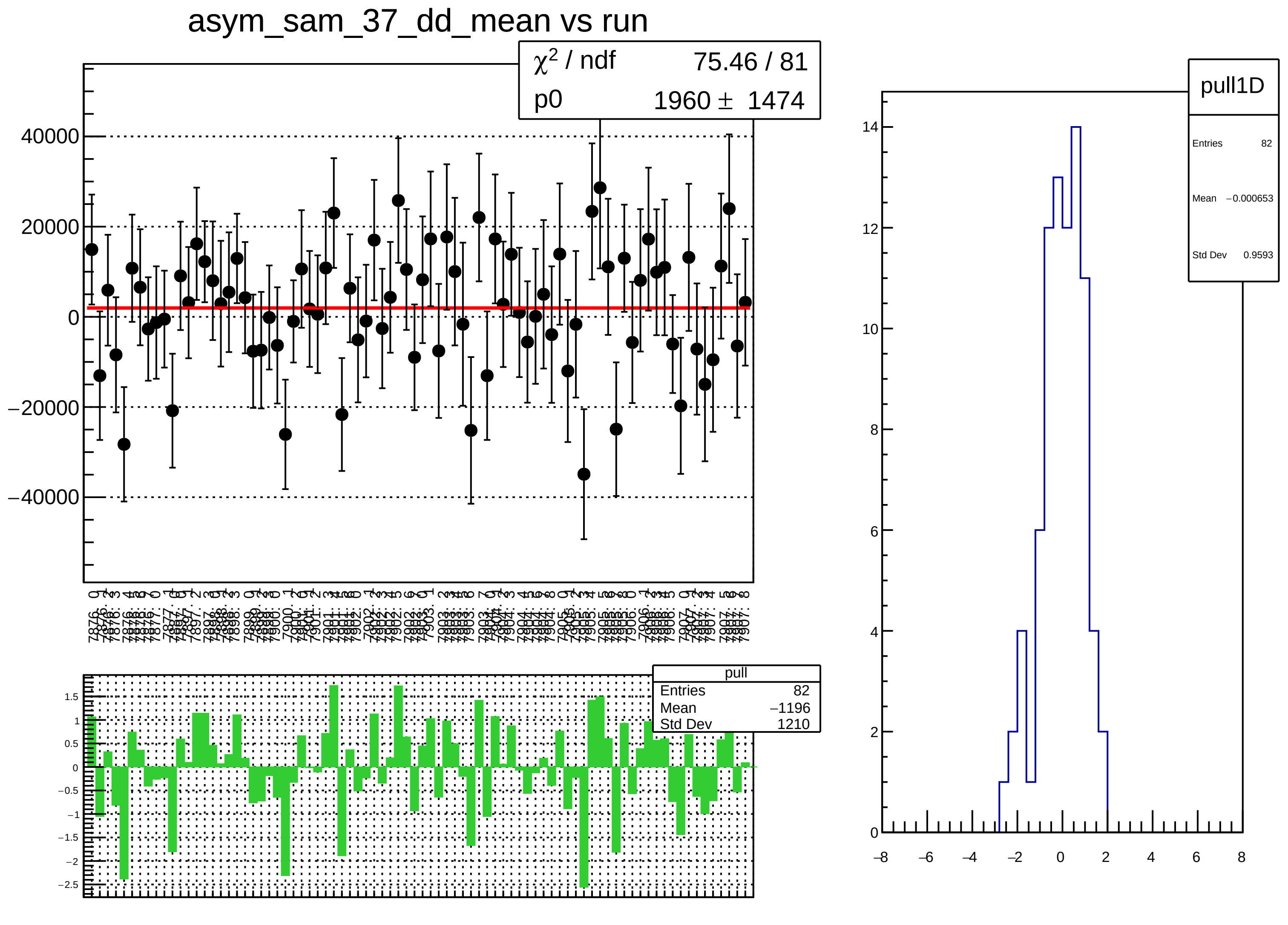
dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.338e+04 / 81
p0 187.5 ± 0.1493
280
260
240
220
200
180
160



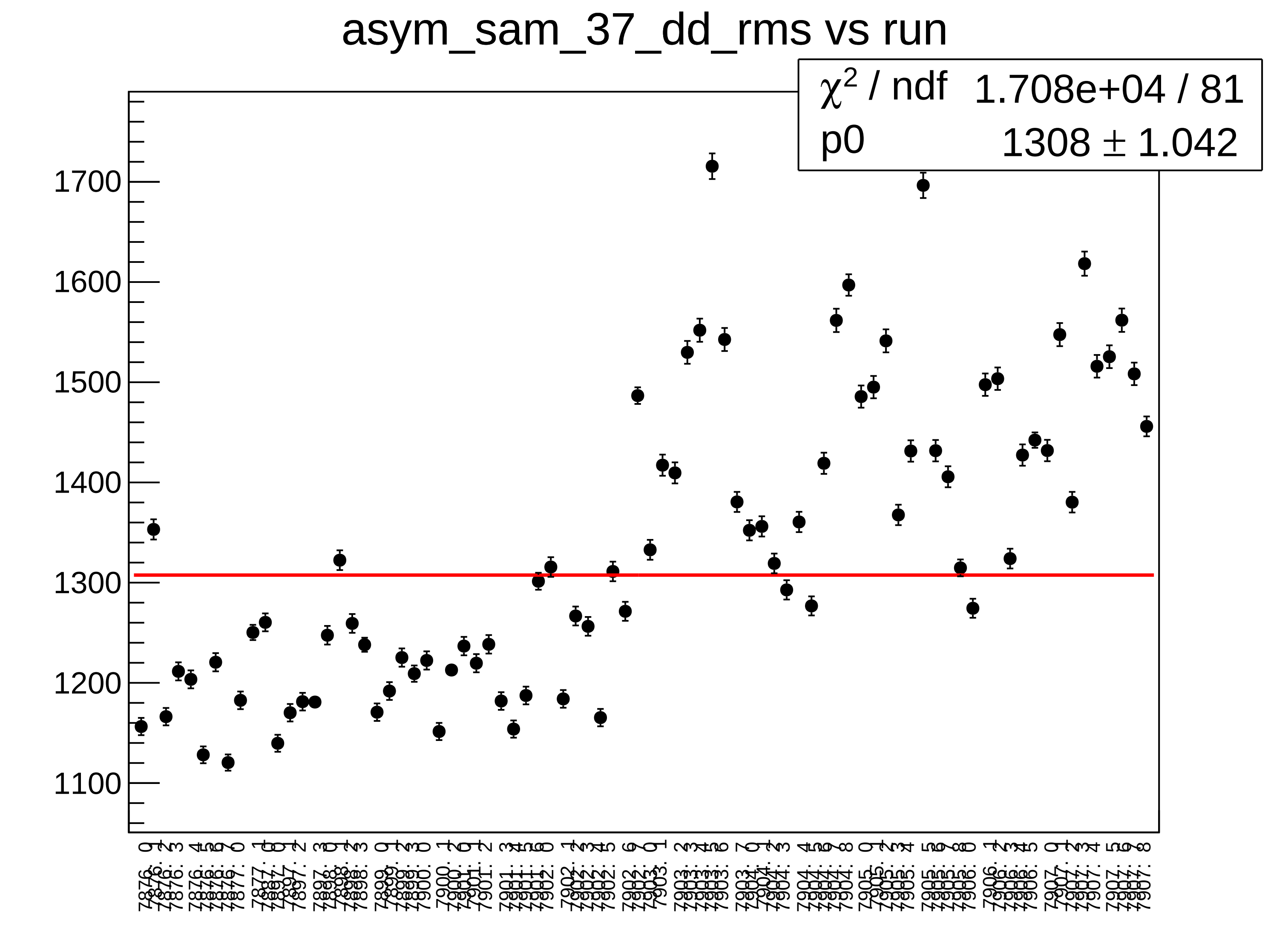
asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 74.16 / 81
p0 −2102 ± 1474
pull
Entries 82
Mean −395
Std Dev 417.4
pull1D
Entries 82
Mean 0.003198
Std Dev 0.951



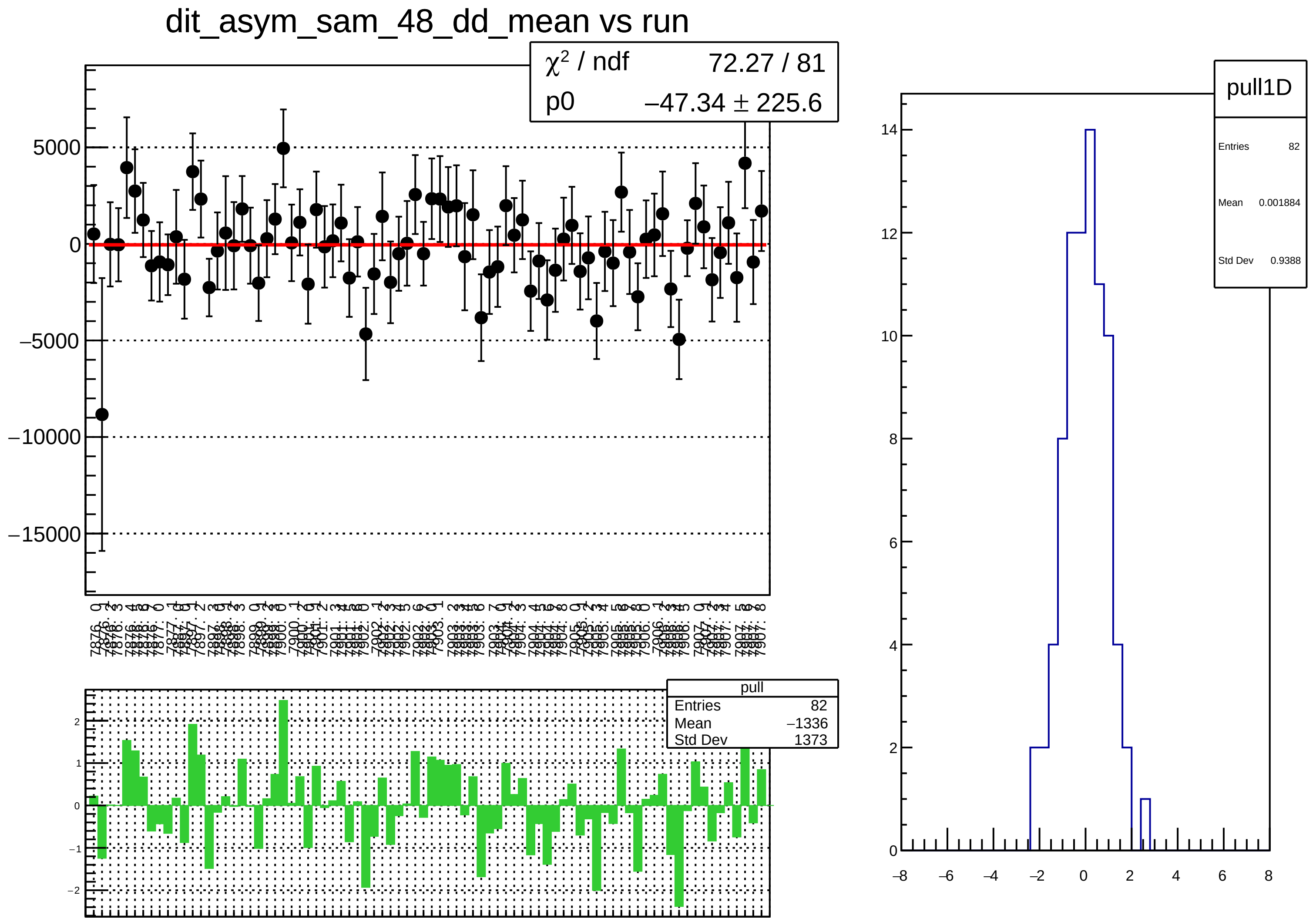
asym_sam_37_dd_correction_rms vs run
χ2 / ndf 1.493e+04 / 81
p0 1309 ± 1.042
1700
1600
1500
1400
1300
1200
1100



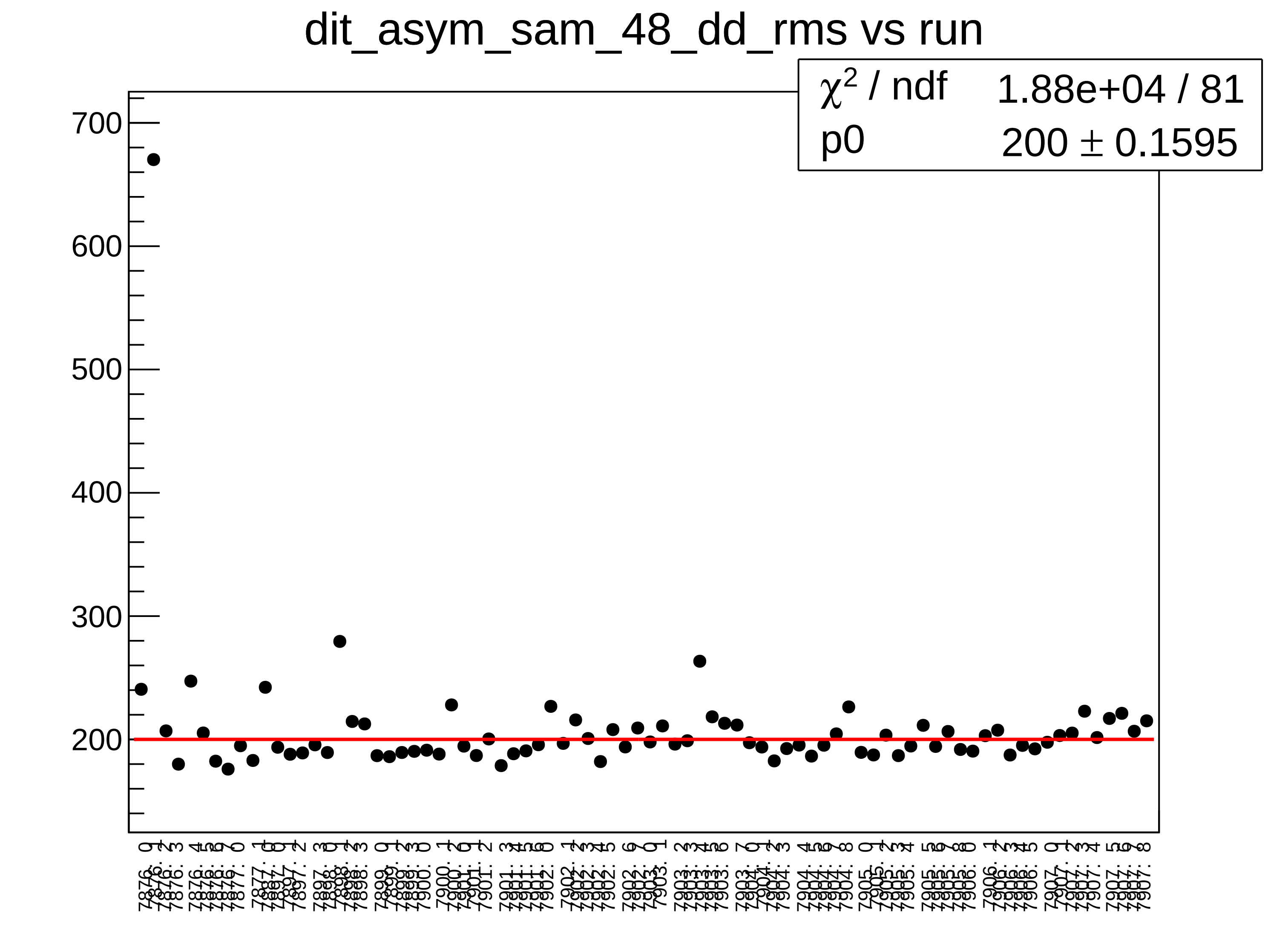
asym_sam_37_dd_mean vs run
χ^2 / ndf 75.46 / 81
p0 1960 ± 1474
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −1196
Std Dev 1210
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.000653
Std Dev 0.9593
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



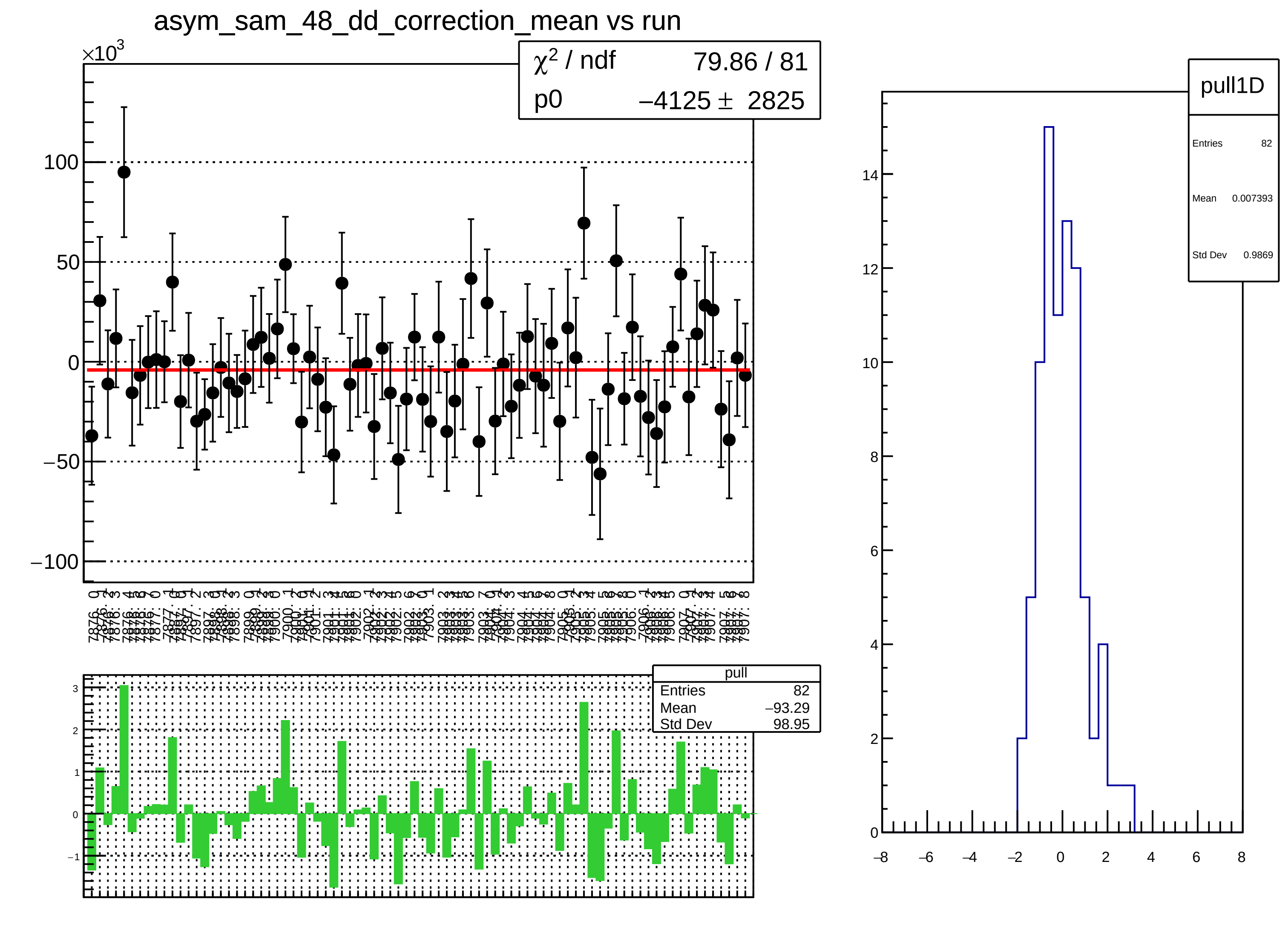
asym_sam_37_dd_rms vs run
χ^2 / ndf 1.708e+04 / 81
p0 1308 ± 1.042
1700
1600
1500
1400
1300
1200
1100



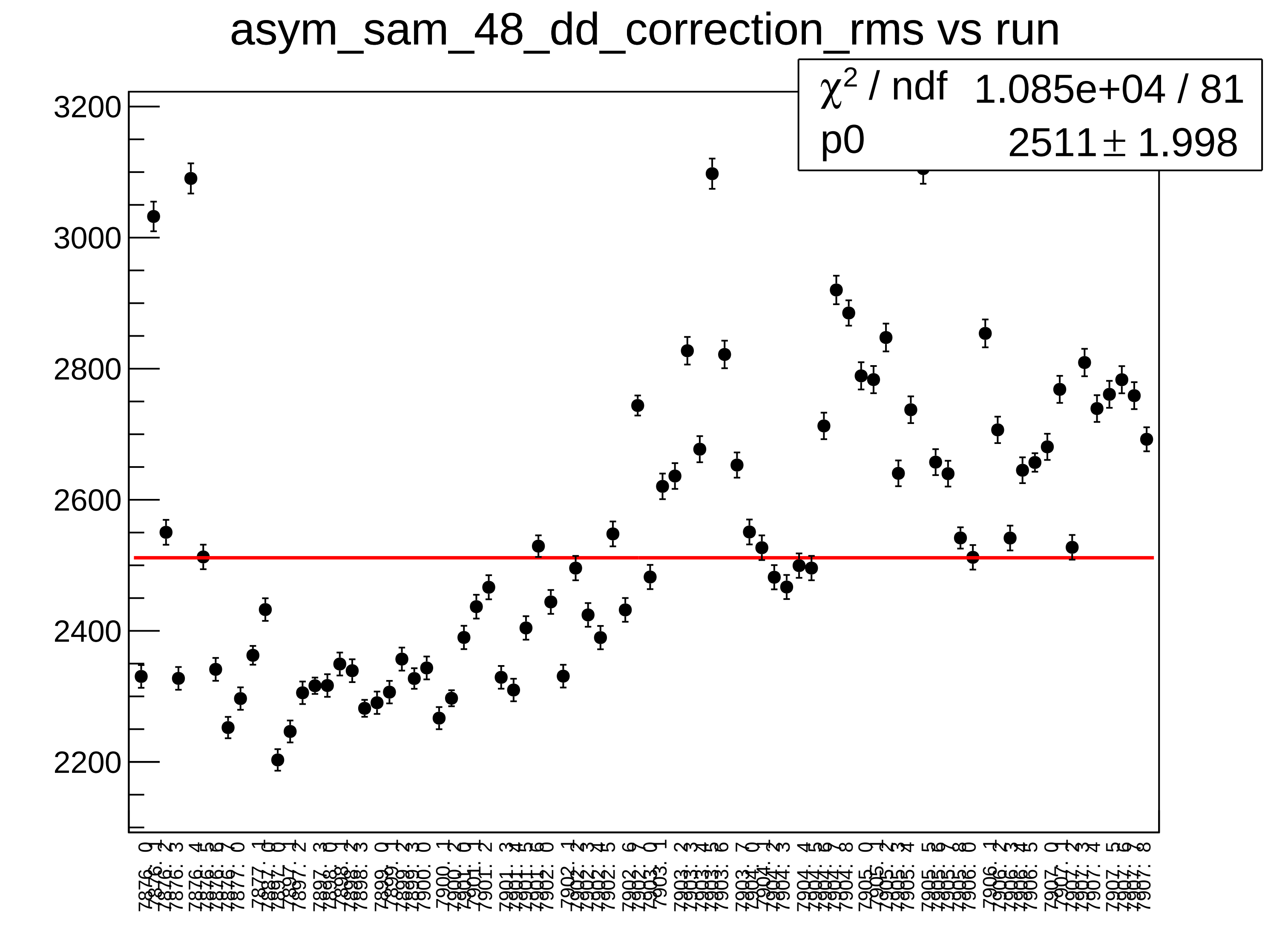
dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 72.27 / 81
p0 −47.34 ± 225.6
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −1336
Std Dev 1373
pull1D
Entries 82
Mean 0.001884
Std Dev 0.9388



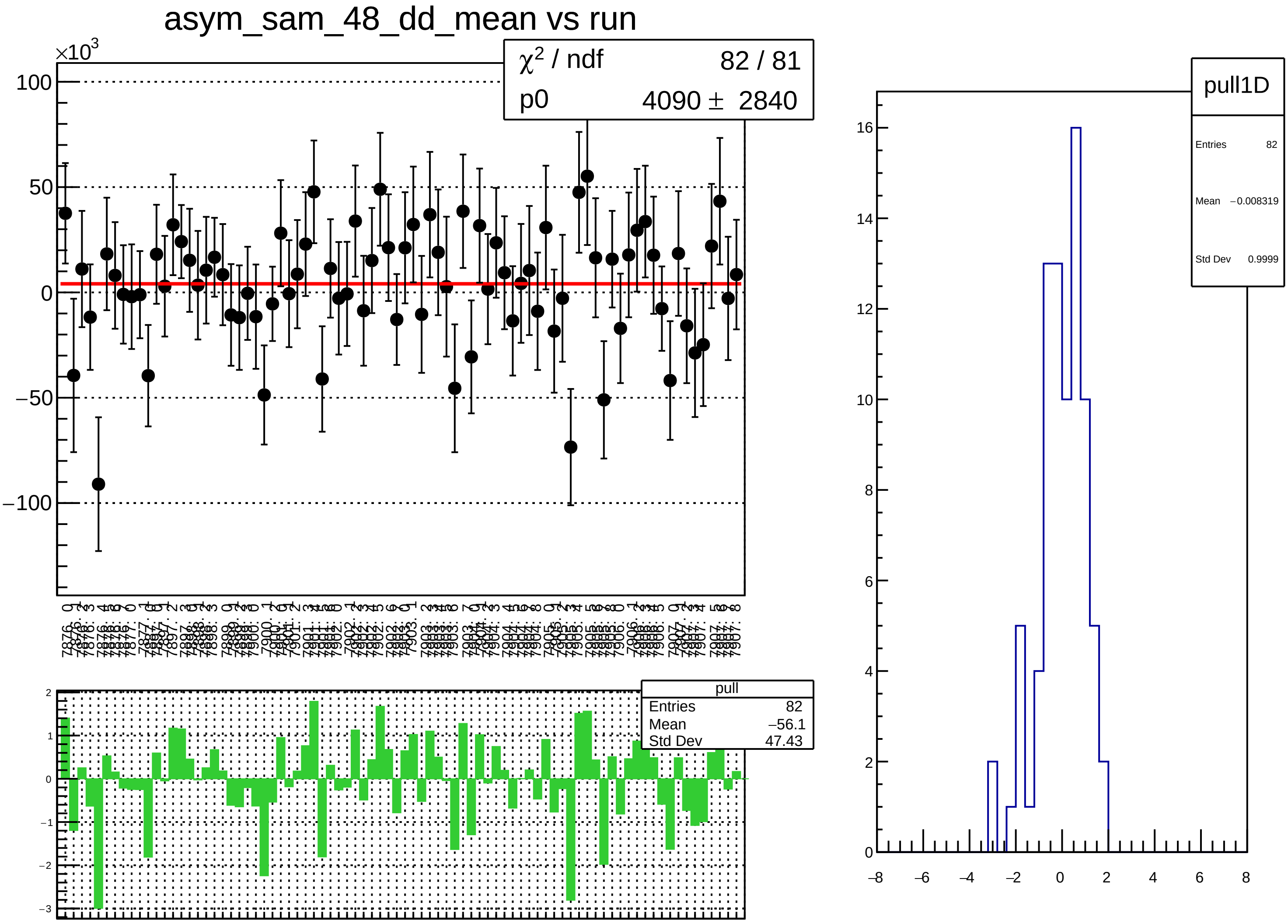
dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1.88e+04 / 81
p0 200 ± 0.1595
700
600
500
400
300
200



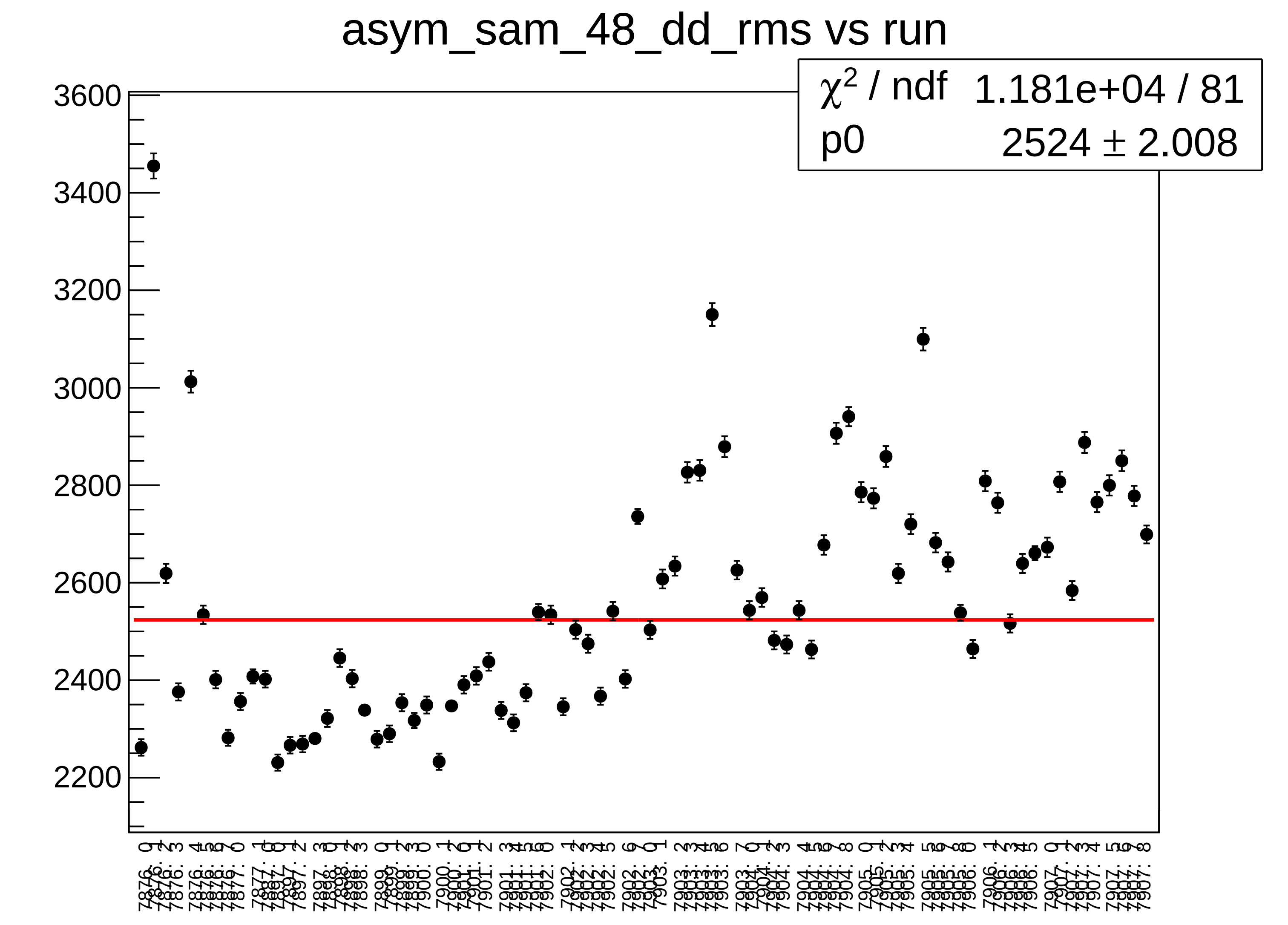
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 79.86 / 81
p0 −4125 ± 2825
pull
Entries 82
Mean −93.29
Std Dev 98.95
pull1D
Entries 82
Mean 0.007393
Std Dev 0.9869



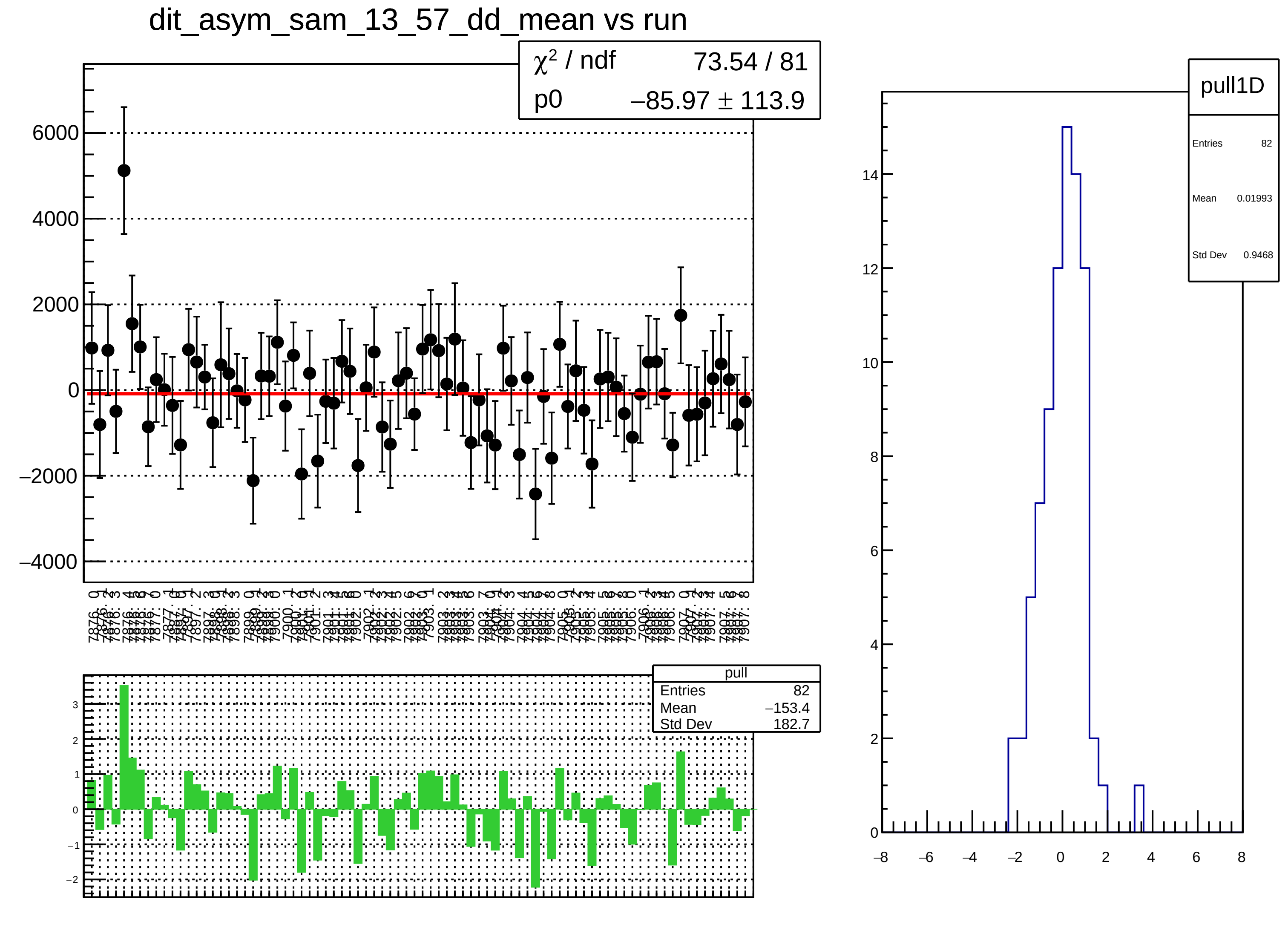
asym_sam_48_dd_correction_rms vs run
χ2 / ndf 1.085e+04 / 81
p0 2511 ± 1.998
3200
3000
2800
2600
2400
2200



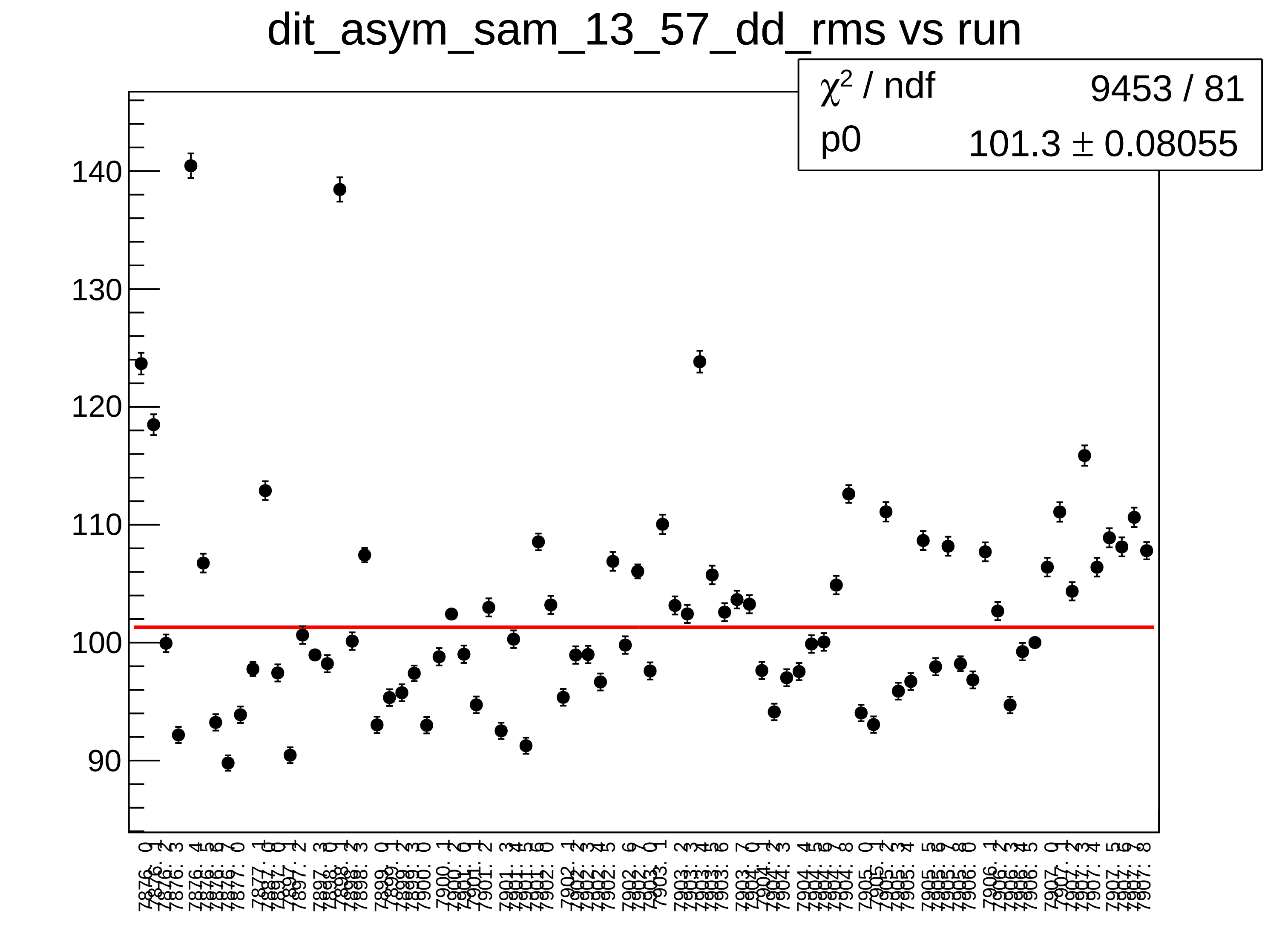
asym_sam_48_dd_mean vs run
χ2 / ndf 82 / 81
p0 4090 ± 2840
pull
Entries 82
Mean −56.1
Std Dev 47.43
pull1D
Entries 82
Mean −0.008319
Std Dev 0.9999



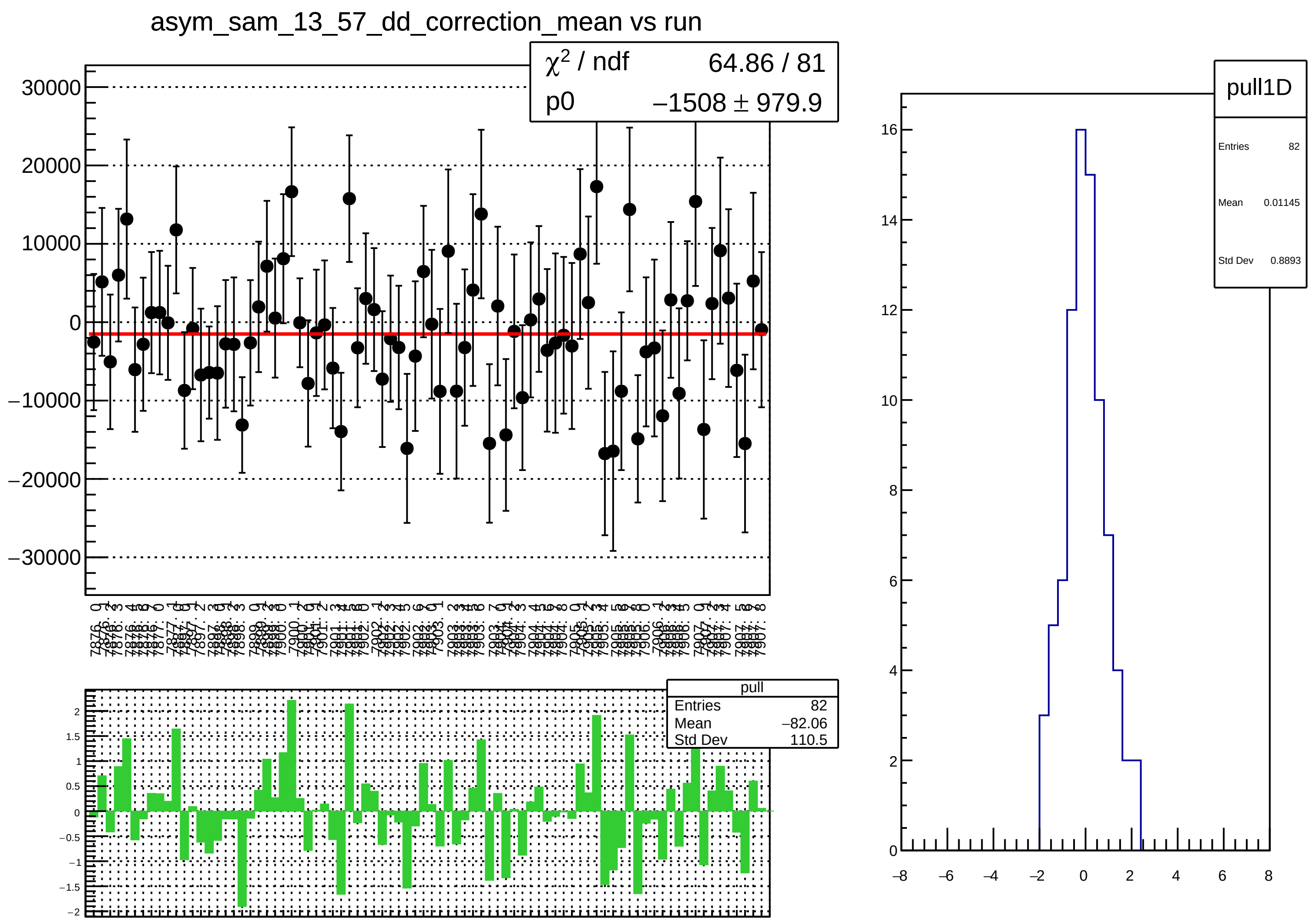
asym_sam_48_dd_rms vs run
χ2 / ndf 1.181e+04 / 81
p0 2524 ± 2.008
3600
3400
3200
3000
2800
2600
2400
2200



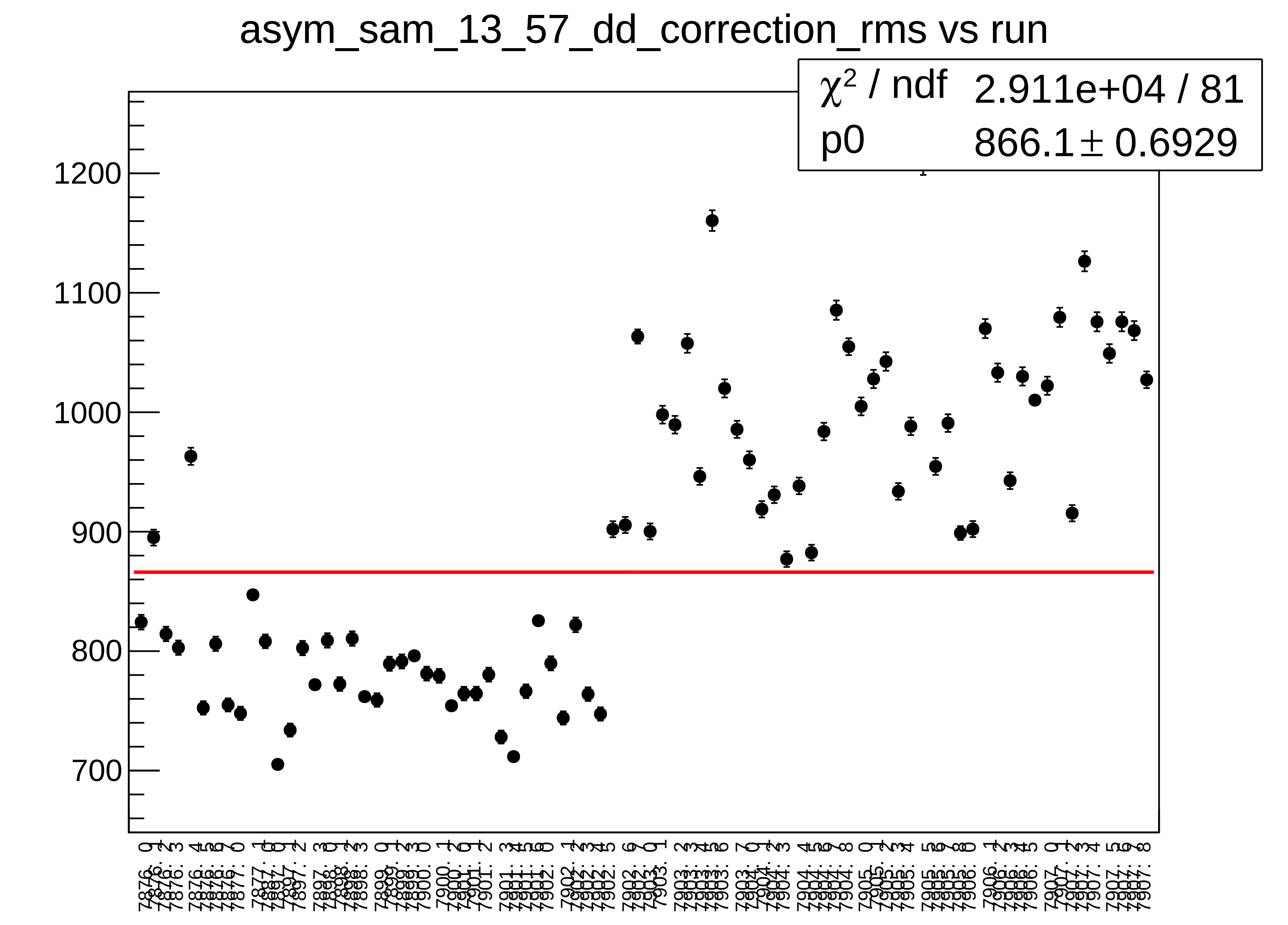
dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 73.54 / 81
p0 −85.97 ± 113.9
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −153.4
Std Dev 182.7
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01993
Std Dev 0.9468
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

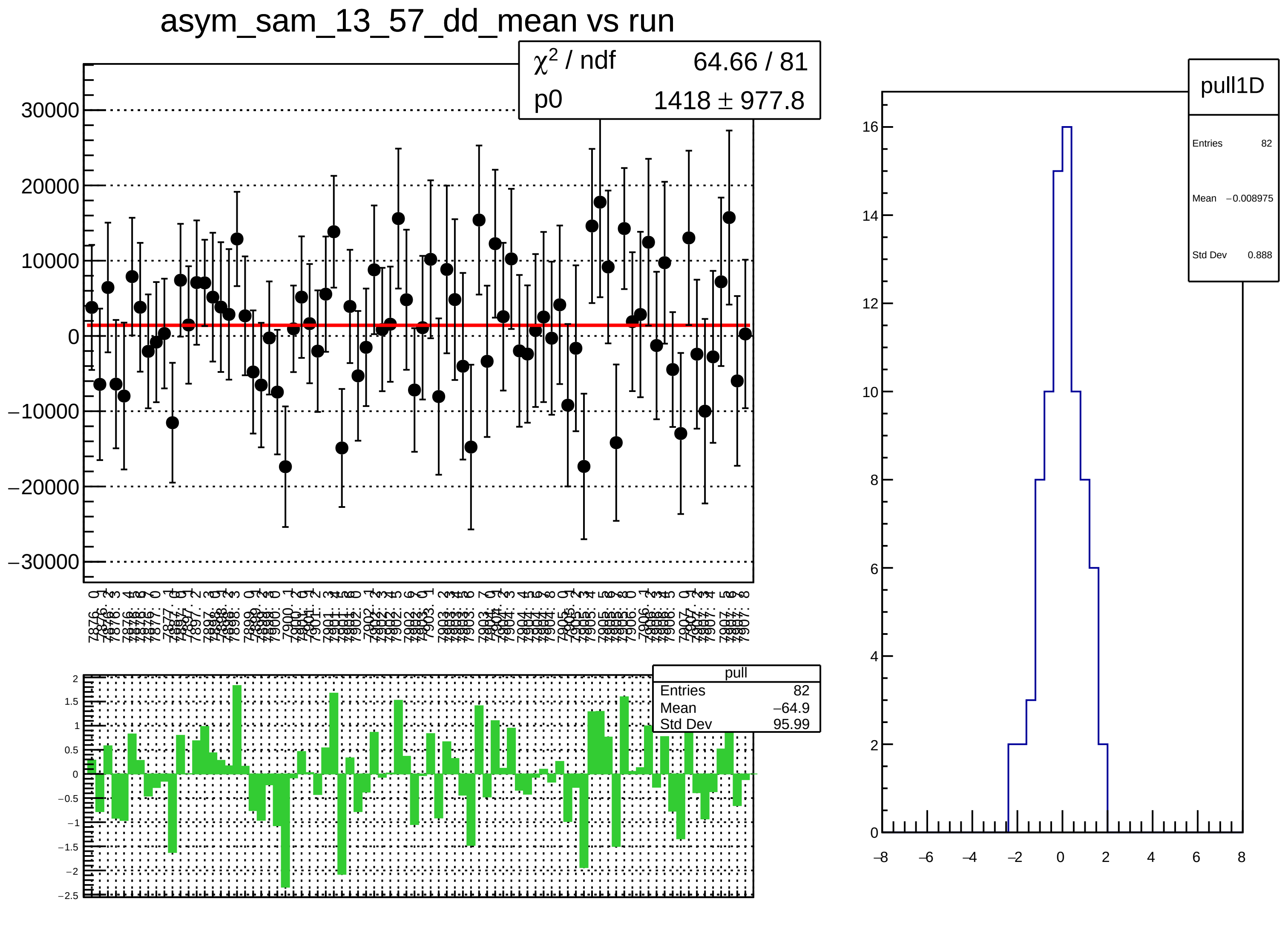


dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 9453 / 81
p0 101.3 ± 0.08055
140
130
120
110
100
90

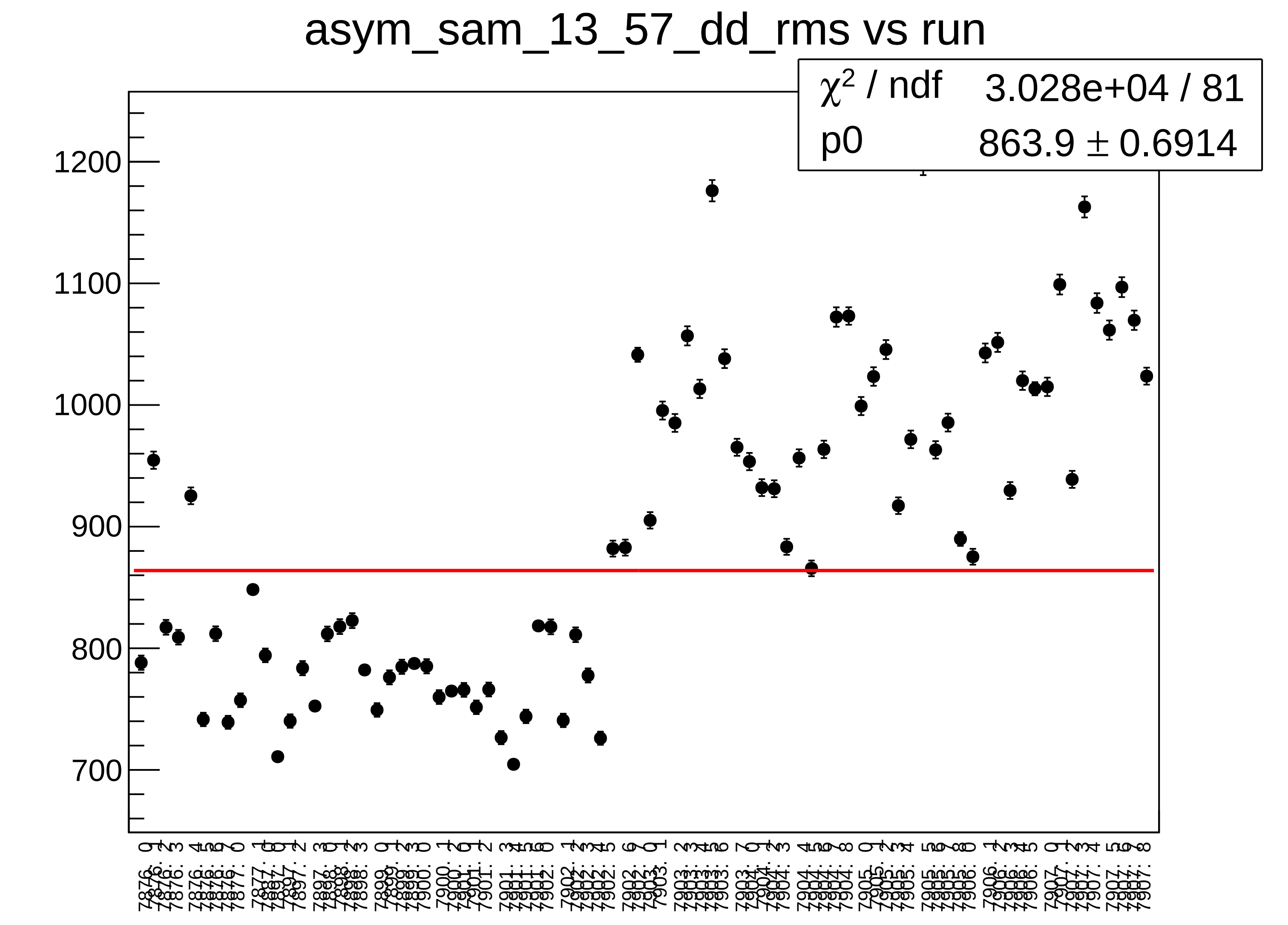


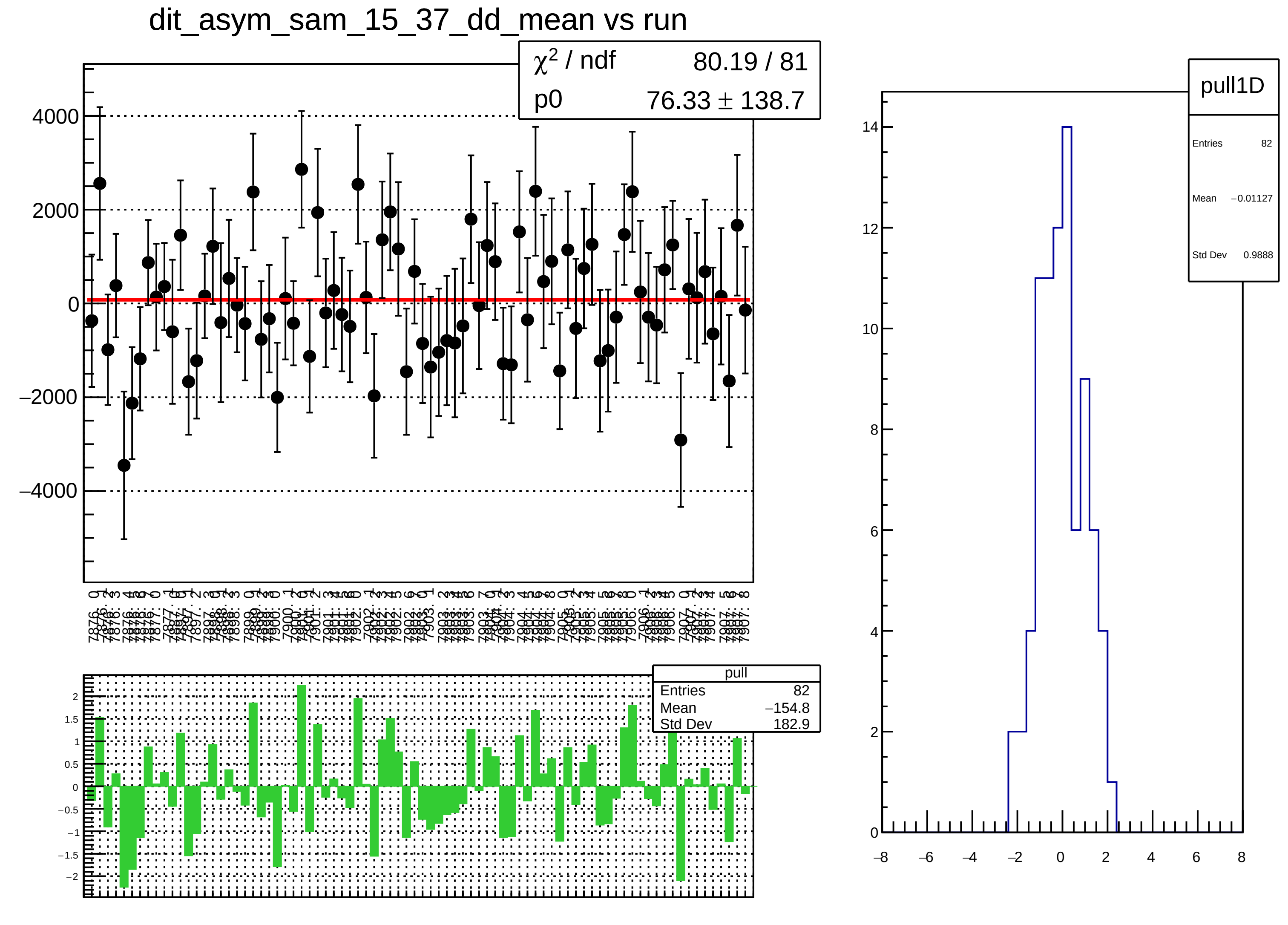
asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 64.86 / 81
p0 −1508 ± 979.9
pull
Entries 82
Mean −82.06
Std Dev 110.5
pull1D
Entries 82
Mean 0.01145
Std Dev 0.8893

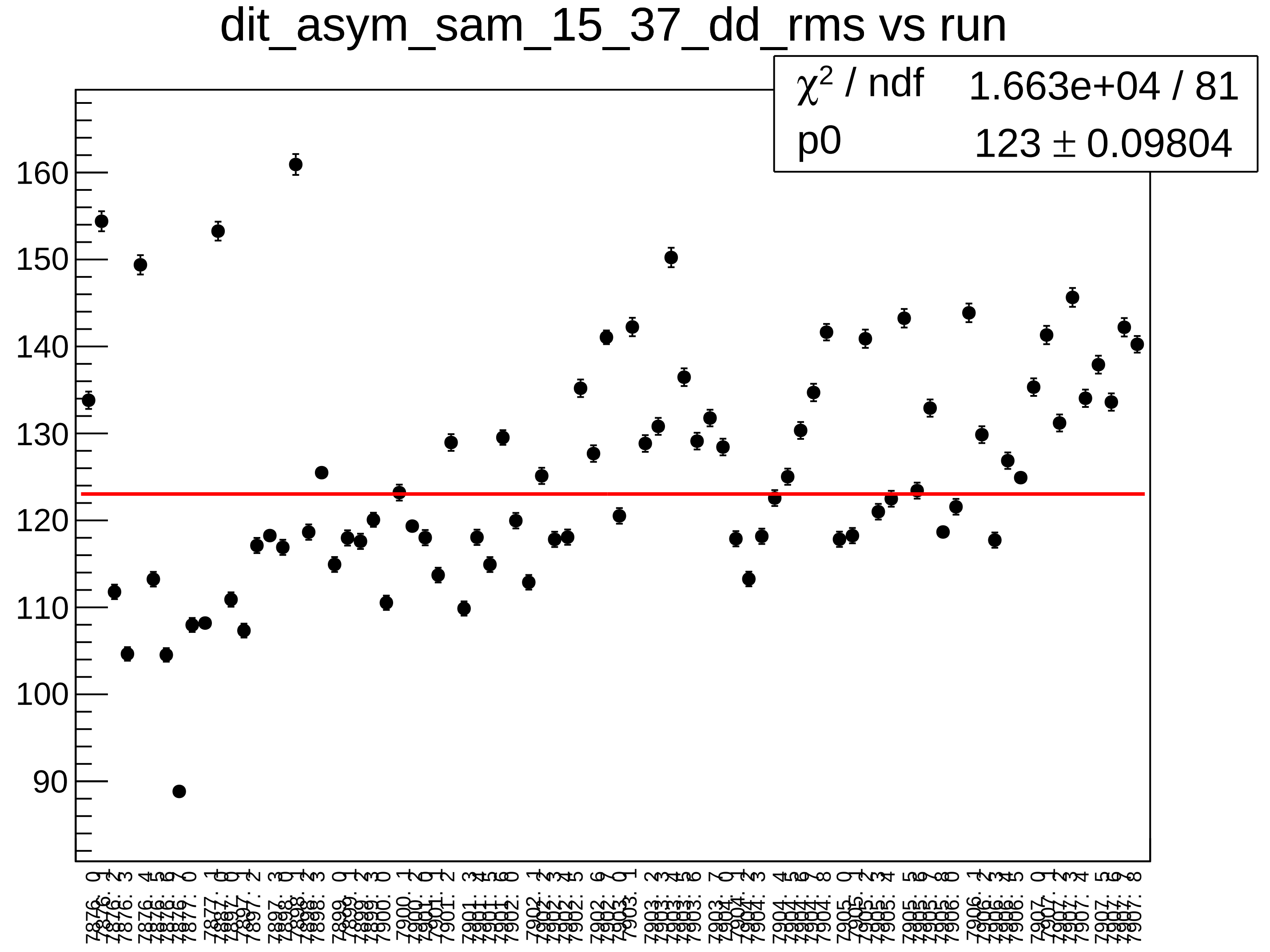

asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 2.911e+04 / 81
p0 866.1 ± 0.6929
1200
1100
1000
900
800
700

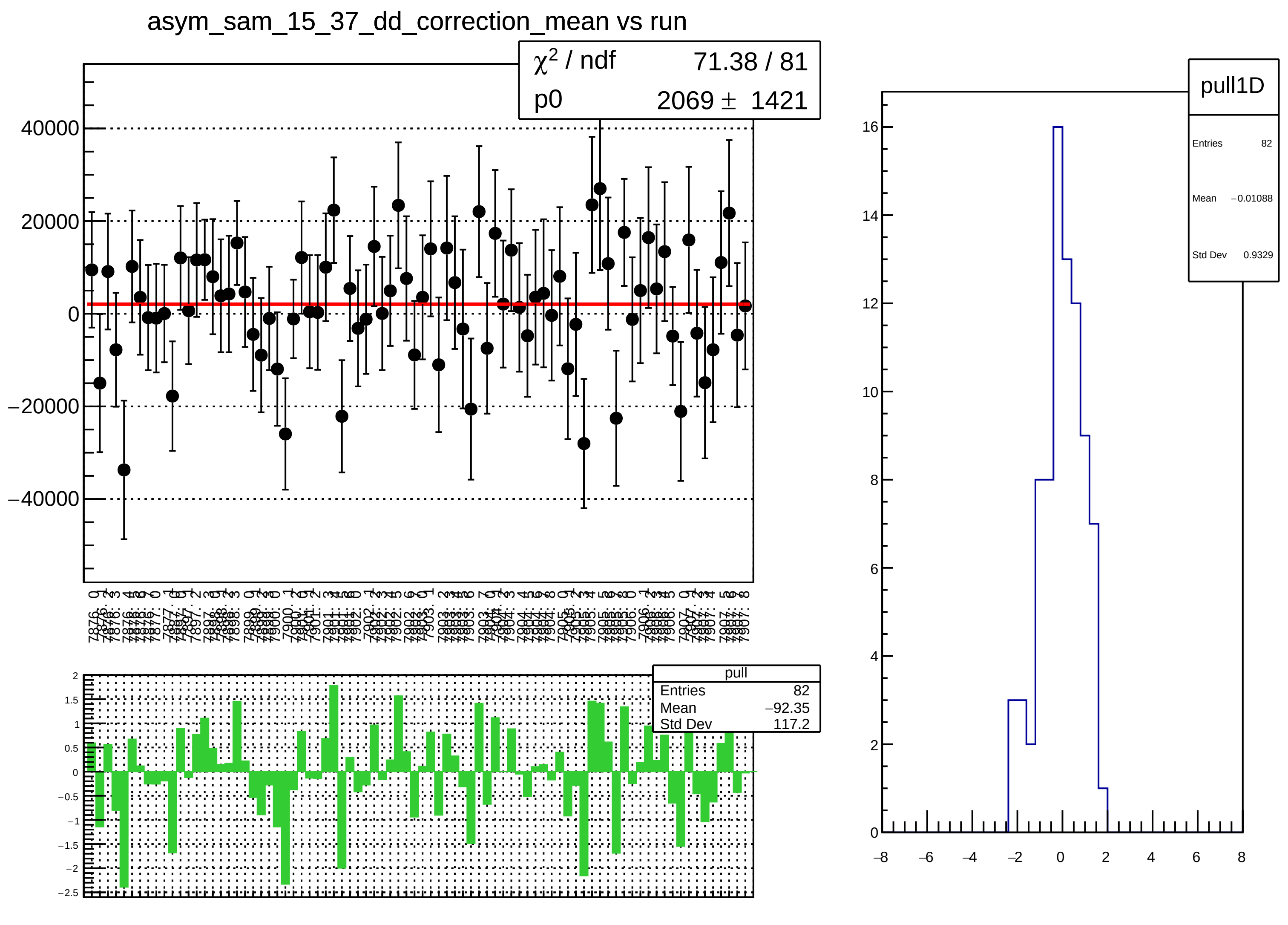


asym_sam_13_57_dd_mean vs run
χ^2 / ndf 64.66 / 81
p0 1418 ± 977.8
pull
Entries 82
Mean −64.9
Std Dev 95.99
pull1D
Entries 82
Mean −0.008975
Std Dev 0.888

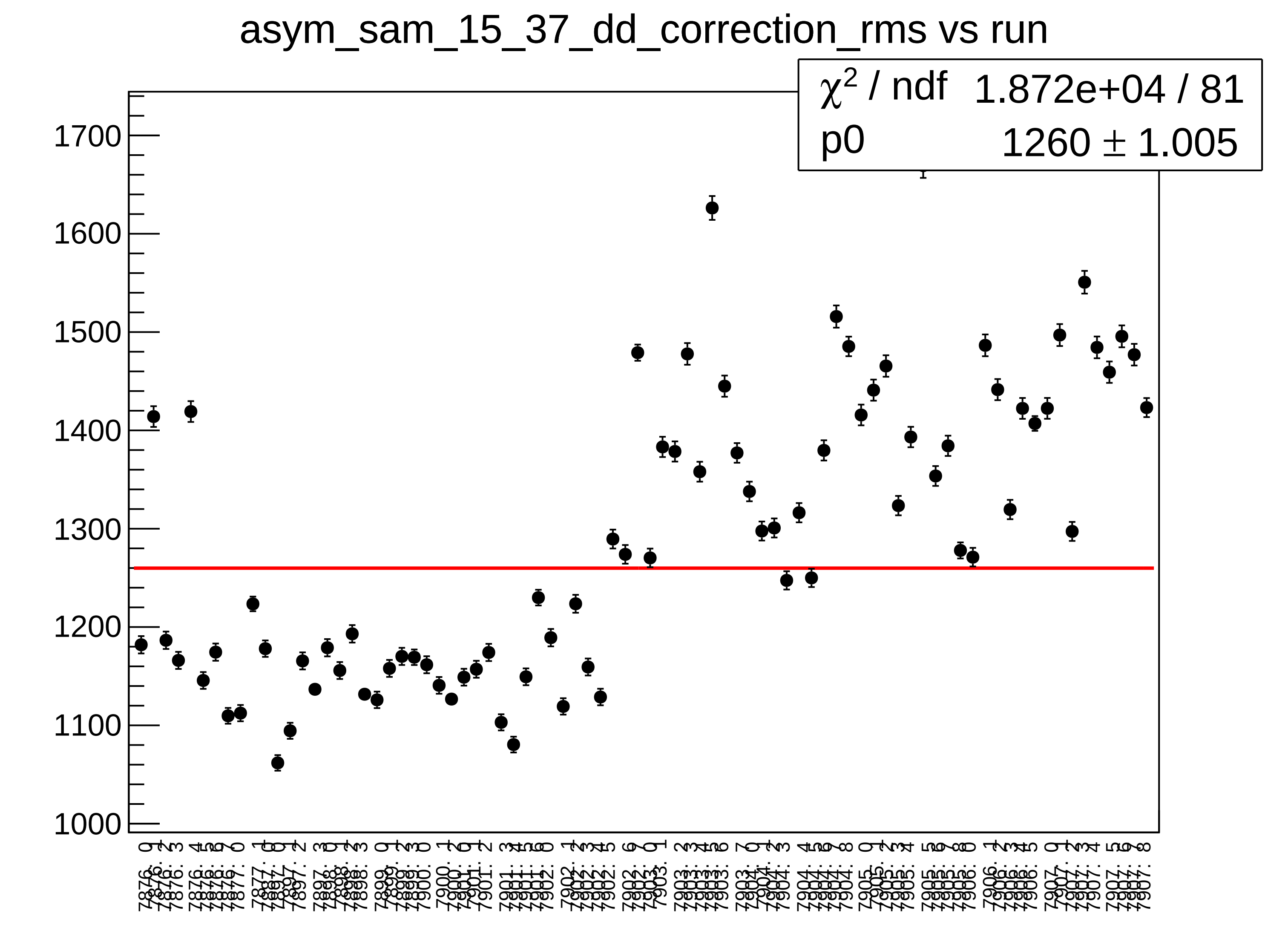

asym_sam_13_57_dd_rms vs run
χ2 / ndf 3.028e+04 / 81
p0 863.9 ± 0.6914
1200
1100
1000
900
800
700

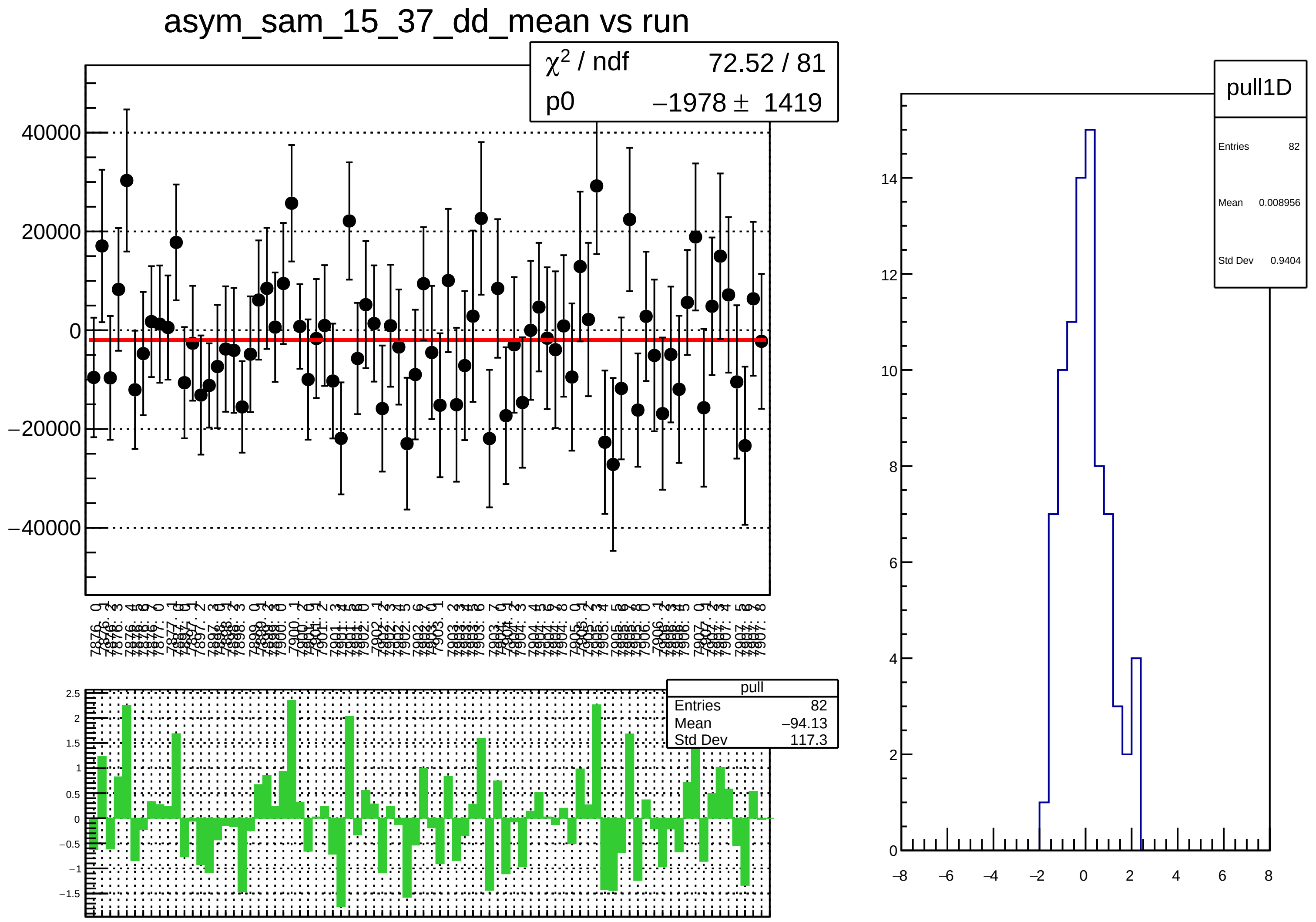

dit_asym_sam_15_37_dd_mean vs run
χ2 / ndf 80.19 / 81
p0 76.33 ± 138.7
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −154.8
Std Dev 182.9
pull1D
Entries 82
Mean −0.01127
Std Dev 0.9888
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.663e+04 / 81
p0 123 ± 0.09804
160
150
140
130
120
110
100
90

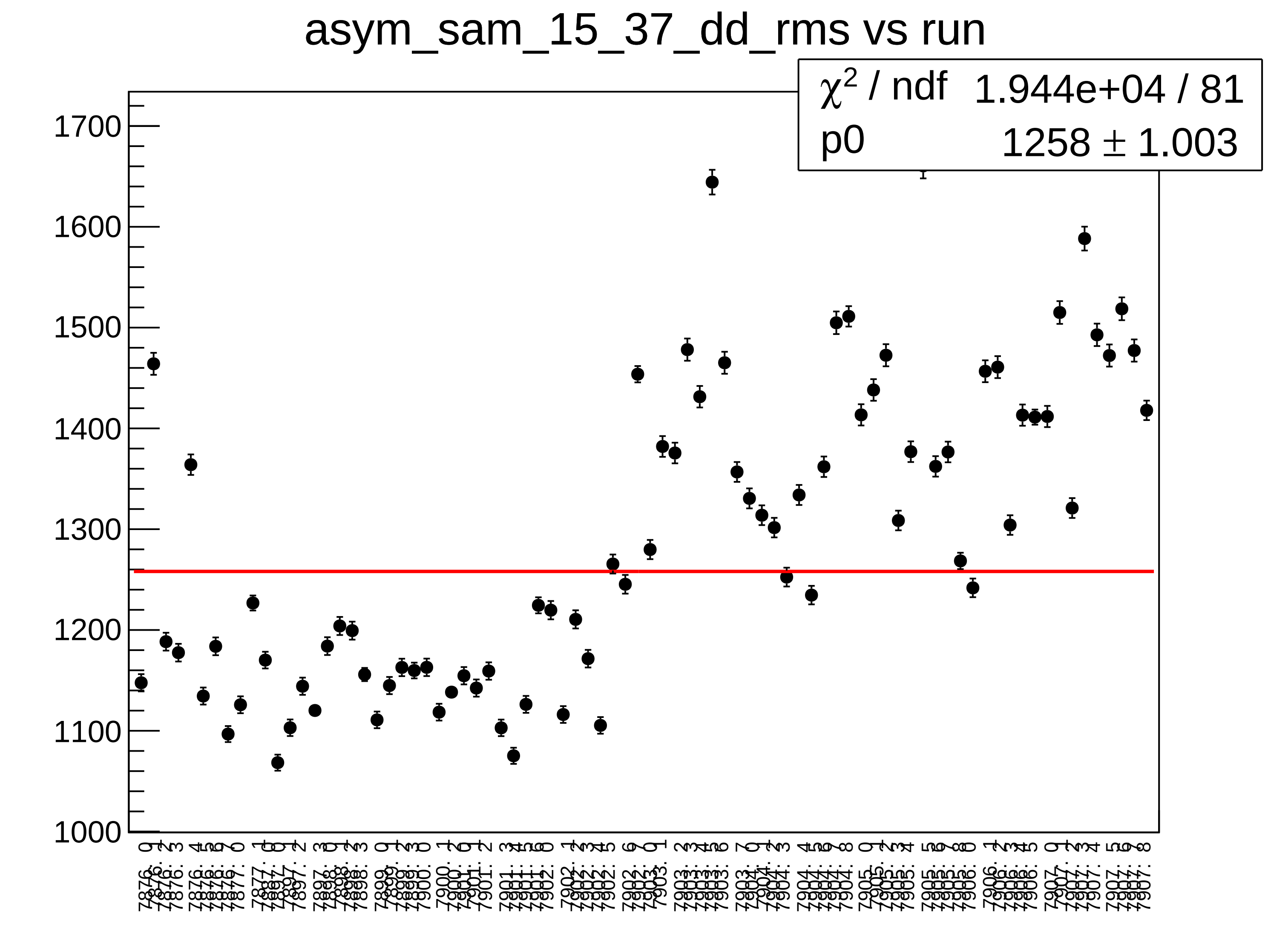


asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 71.38 / 81
p0 2069 ± 1421
pull
Entries 82
Mean −92.35
Std Dev 117.2
pull1D
Entries 82
Mean −0.01088
Std Dev 0.9329

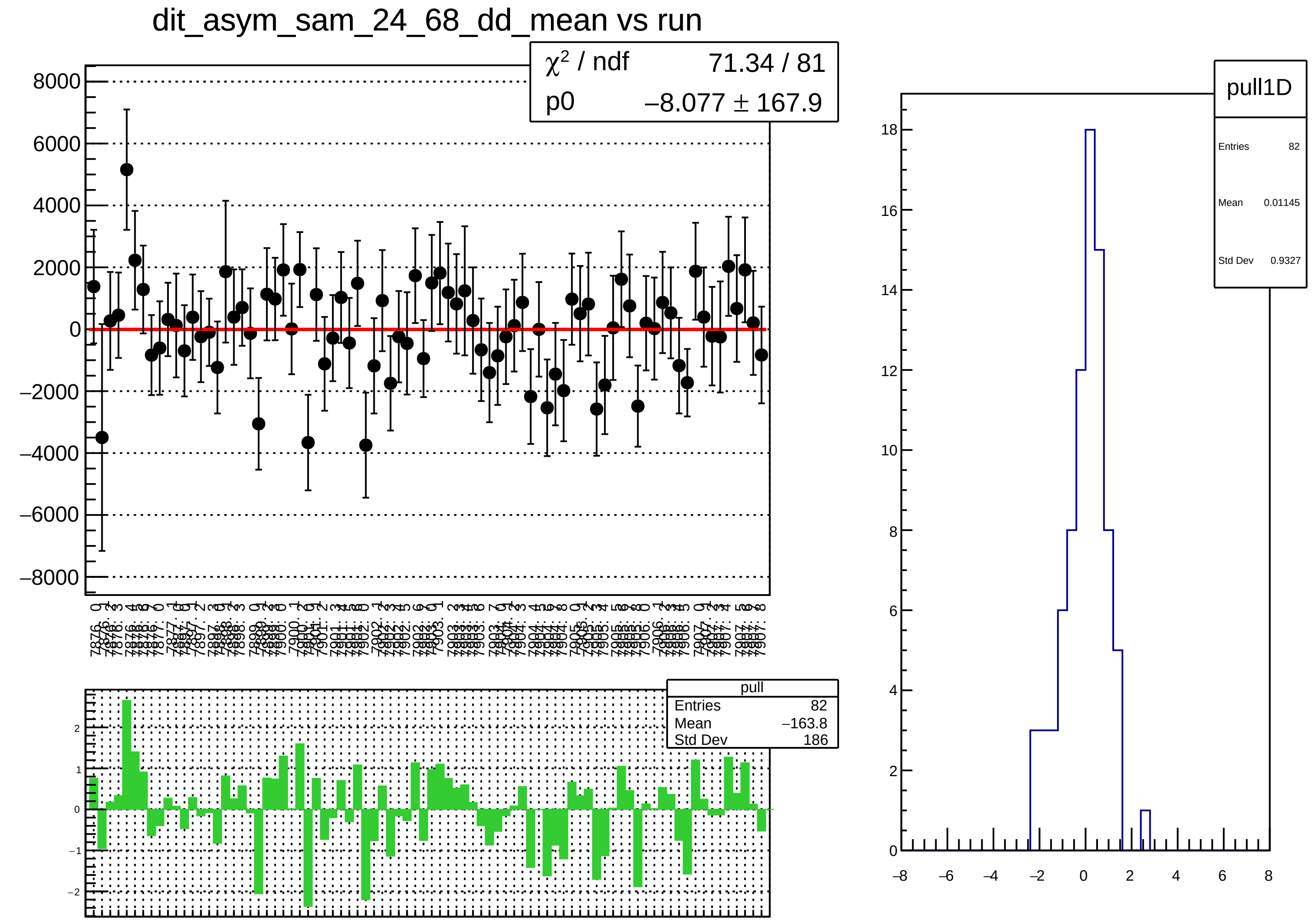

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 1.872e+04 / 81
p0 1260 ± 1.005
1700
1600
1500
1400
1300
1200
1100
1000



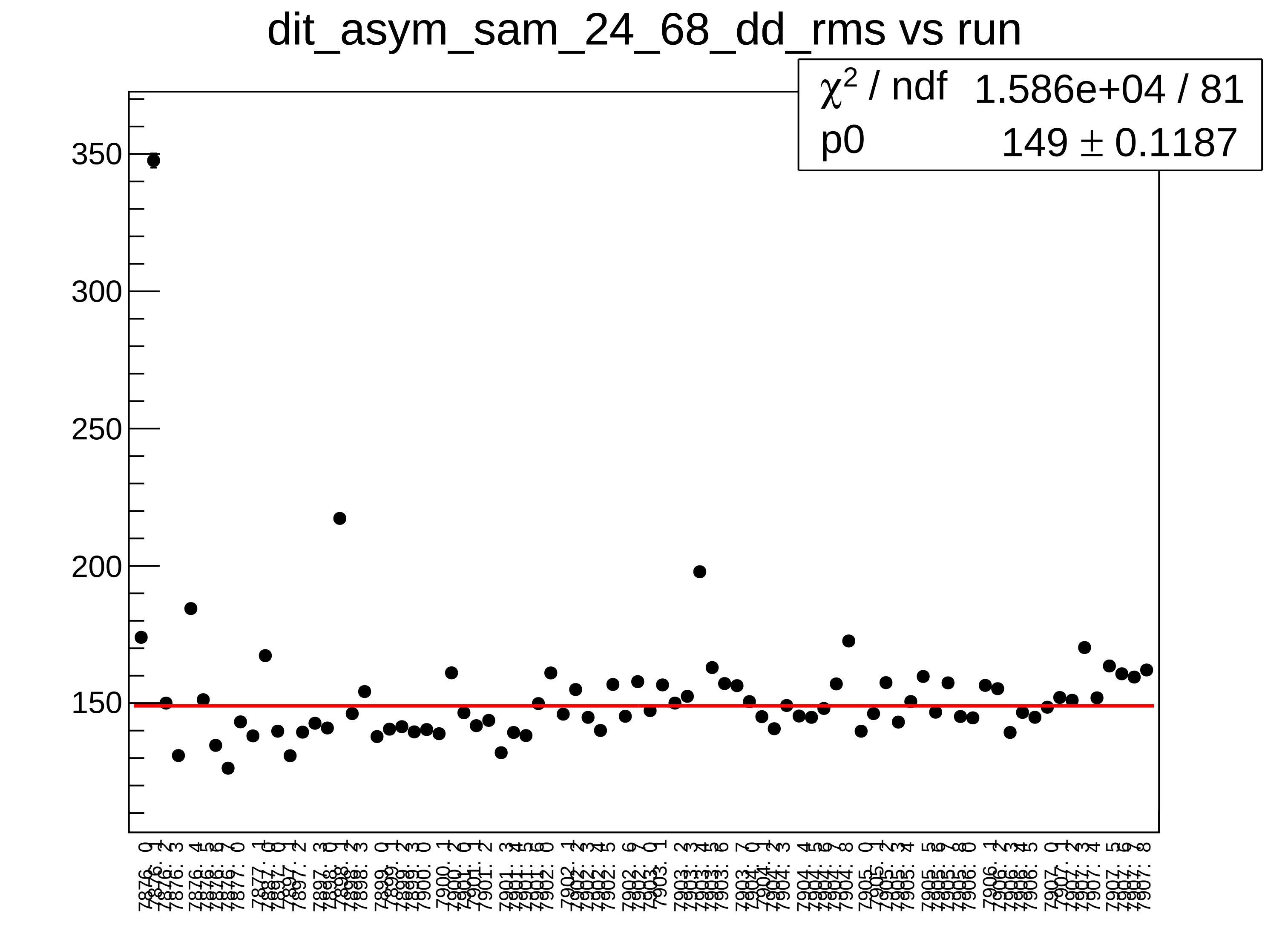
asym_sam_15_37_dd_mean vs run
χ^2 / ndf 72.52 / 81
p0 −1978 ± 1419
pull
Entries 82
Mean −94.13
Std Dev 117.3
pull1D
Entries 82
Mean 0.008956
Std Dev 0.9404



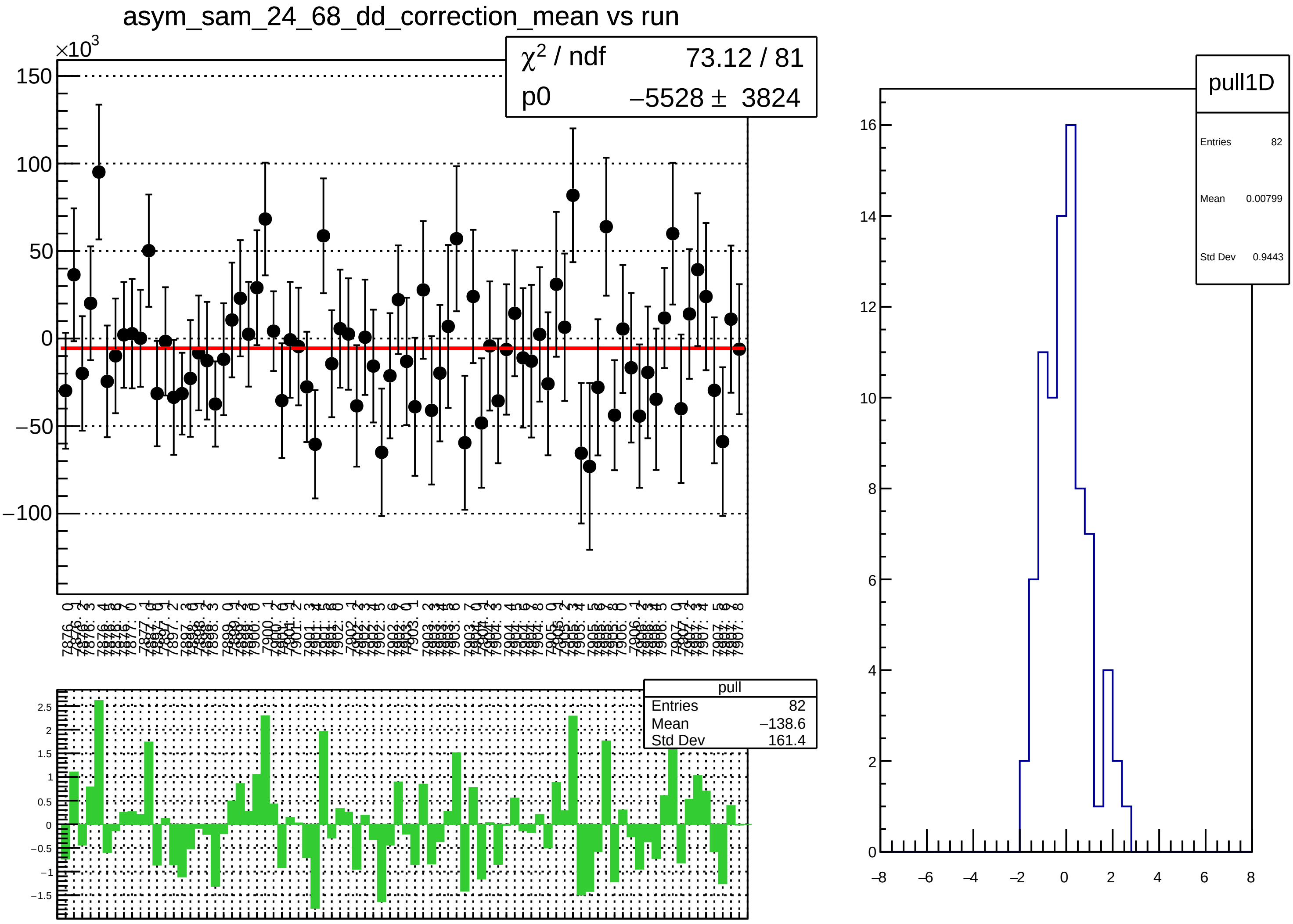
asym_sam_15_37_dd_rms vs run
χ2 / ndf 1.944e+04 / 81
p0 1258 ± 1.003
1700
1600
1500
1400
1300
1200
1100
1000



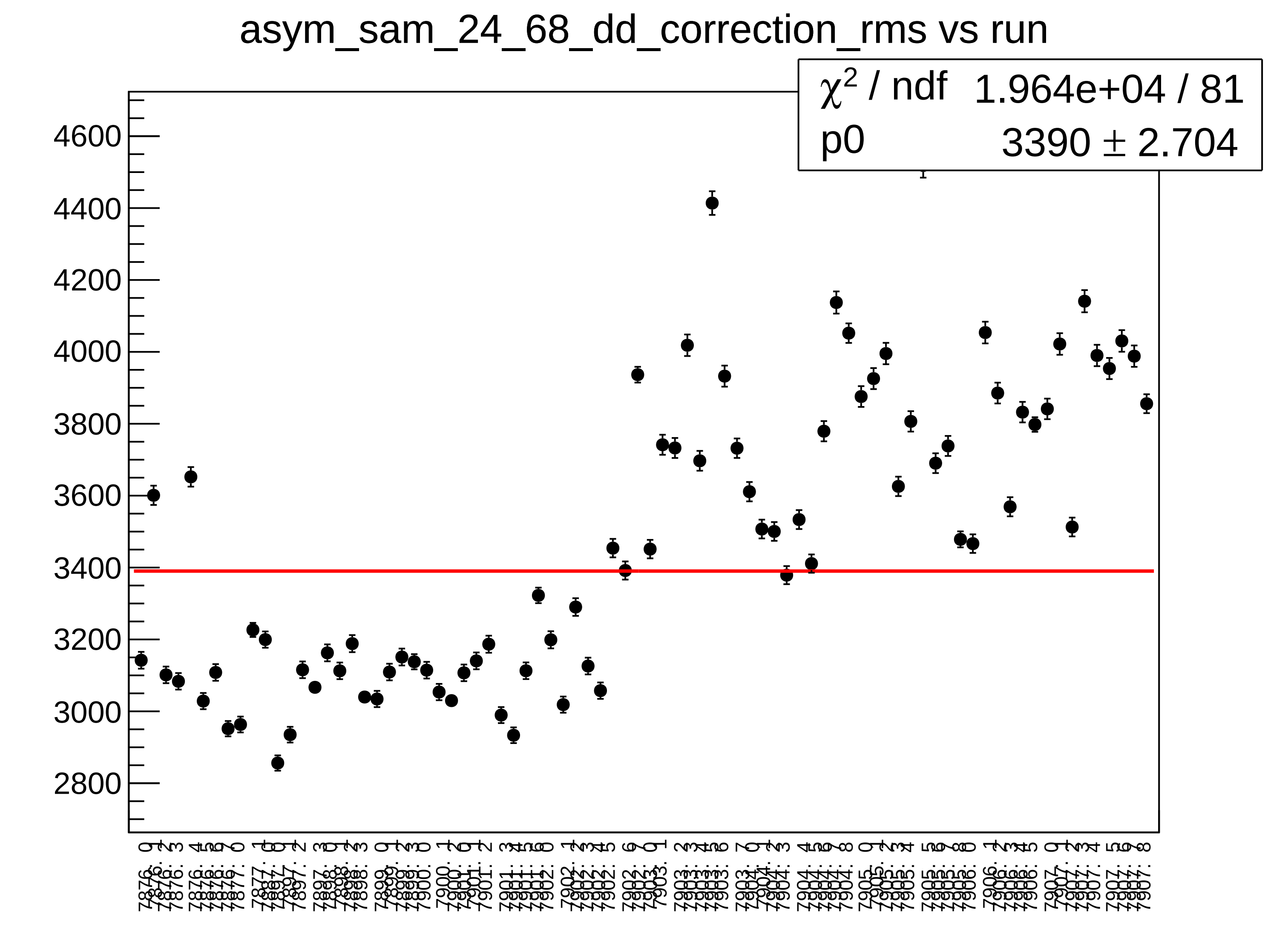
dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 71.34 / 81
p0 −8.077 ± 167.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 82
Mean −163.8
Std Dev 186
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01145
Std Dev 0.9327
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



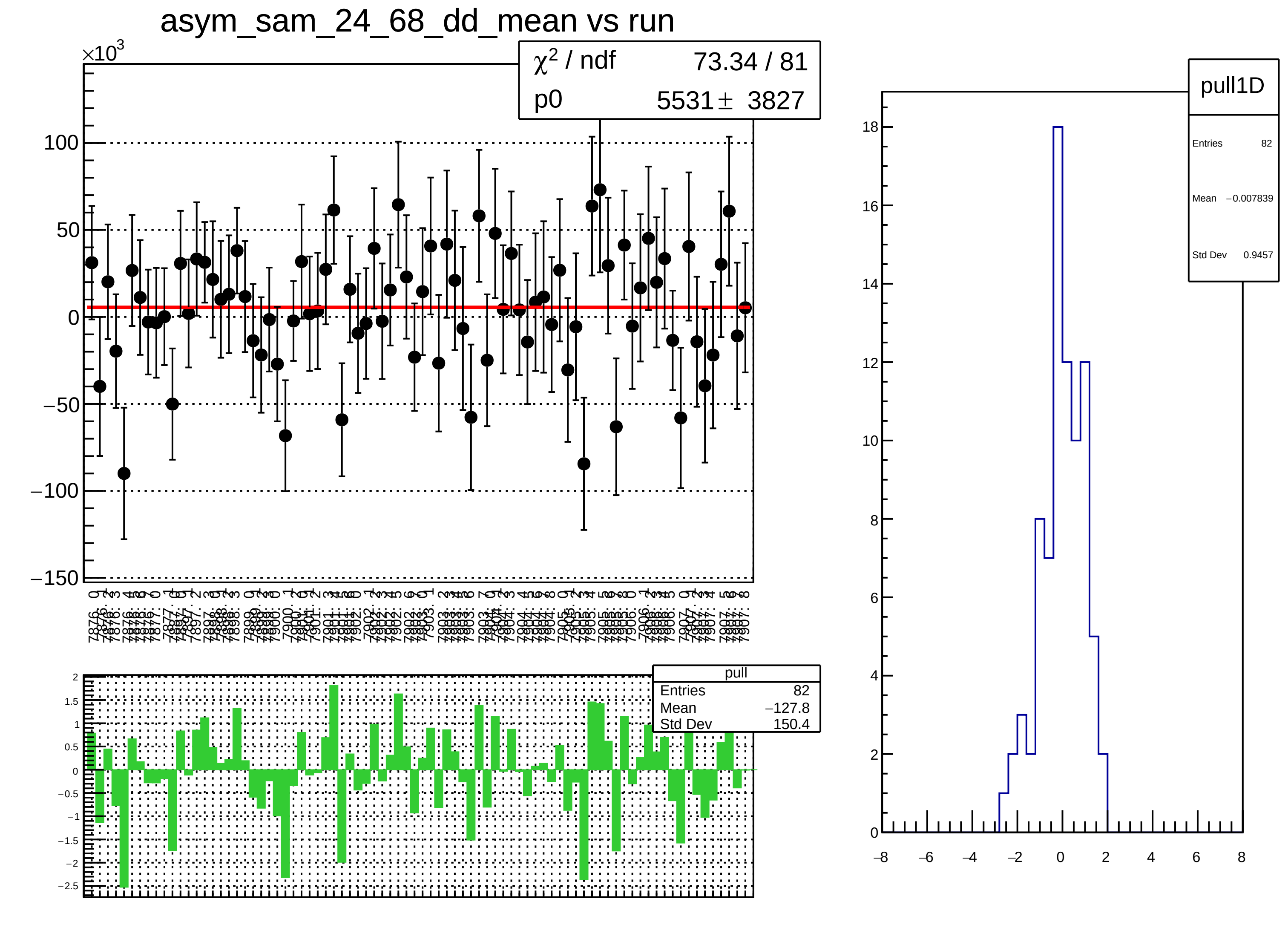
dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.586e+04 / 81
p0 149 ± 0.1187
350
300
250
200
150



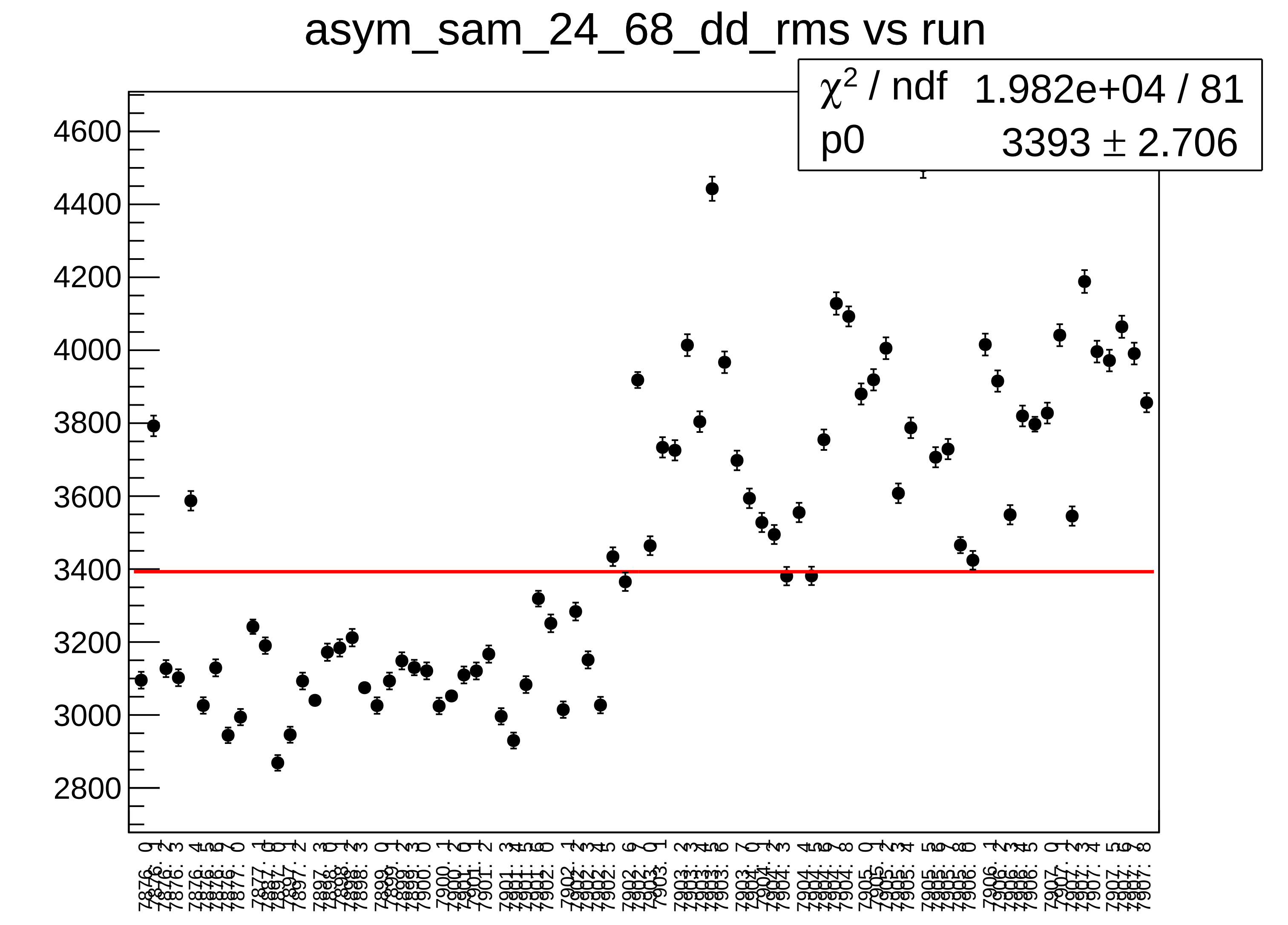
asym_sam_24_68_dd_correction_mean vs run
×10^3
χ^2 / ndf 73.12 / 81
p0 −5528 ± 3824
pull
Entries 82
Mean −138.6
Std Dev 161.4
pull1D
Entries 82
Mean 0.00799
Std Dev 0.9443



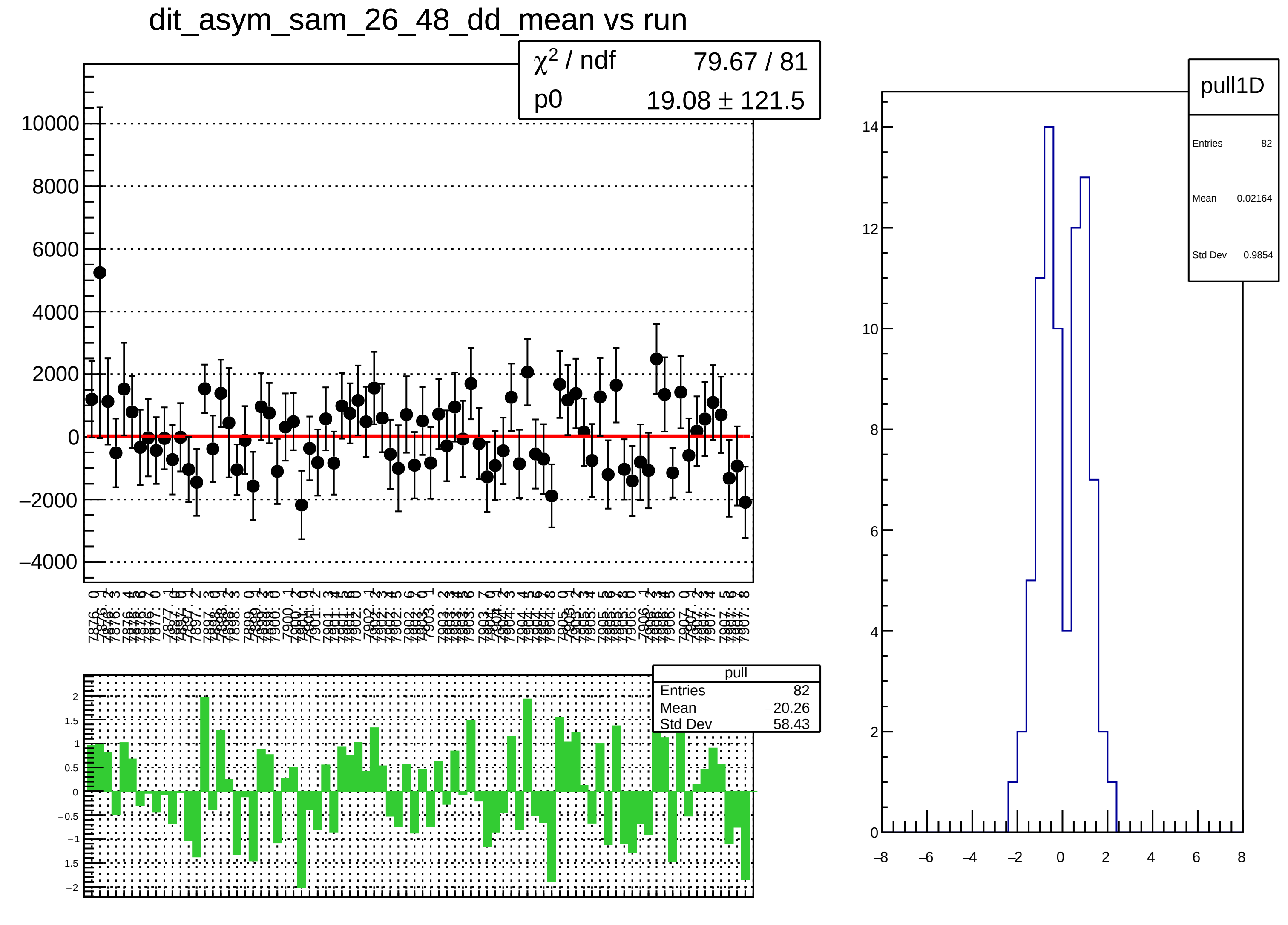
asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 1.964e+04 / 81
p0 3390 ± 2.704
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800



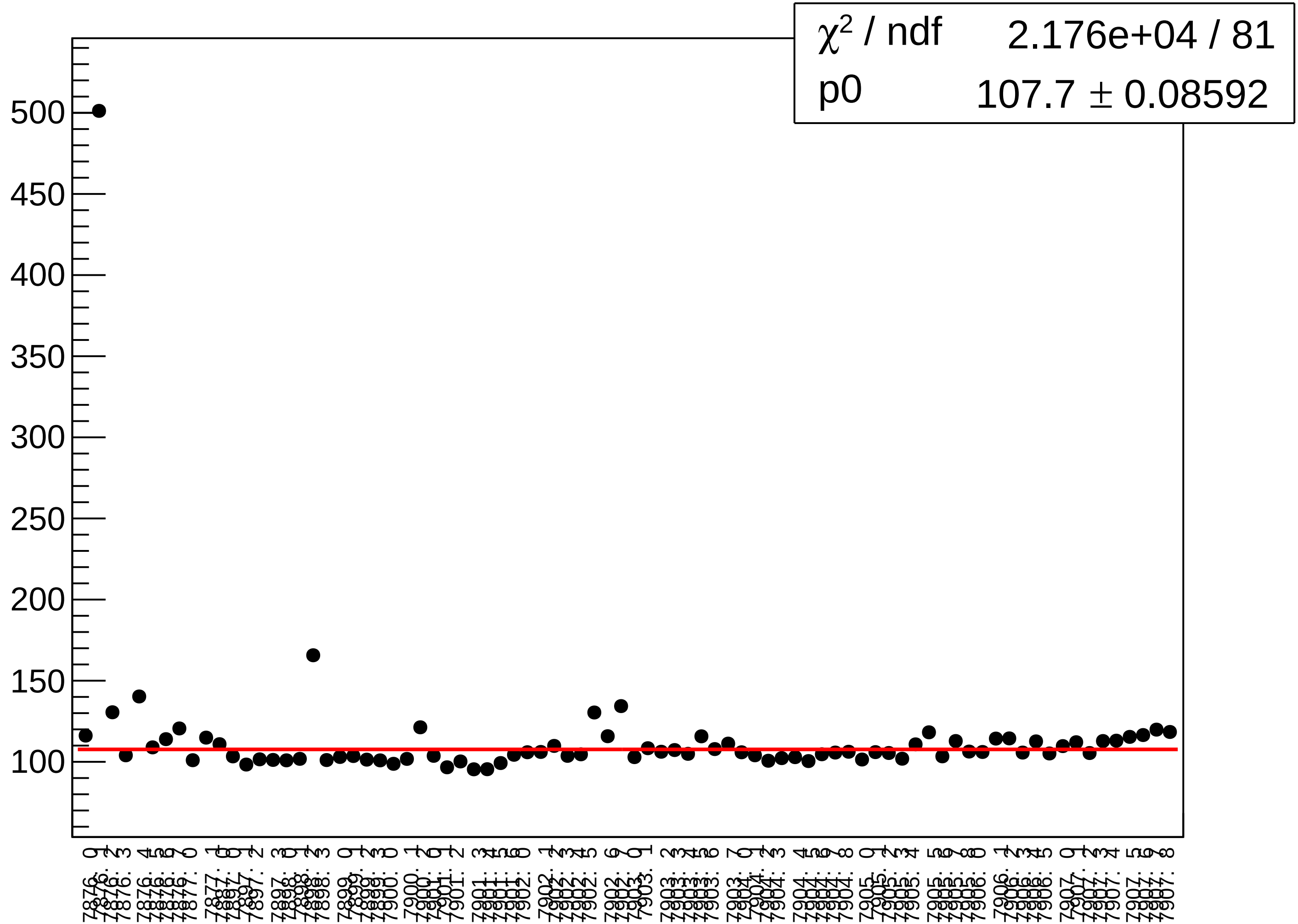
asym_sam_24_68_dd_mean vs run
×10^3
χ2 / ndf 73.34 / 81
p0 5531 ± 3827
pull
Entries 82
Mean −127.8
Std Dev 150.4
pull1D
Entries 82
Mean −0.007839
Std Dev 0.9457

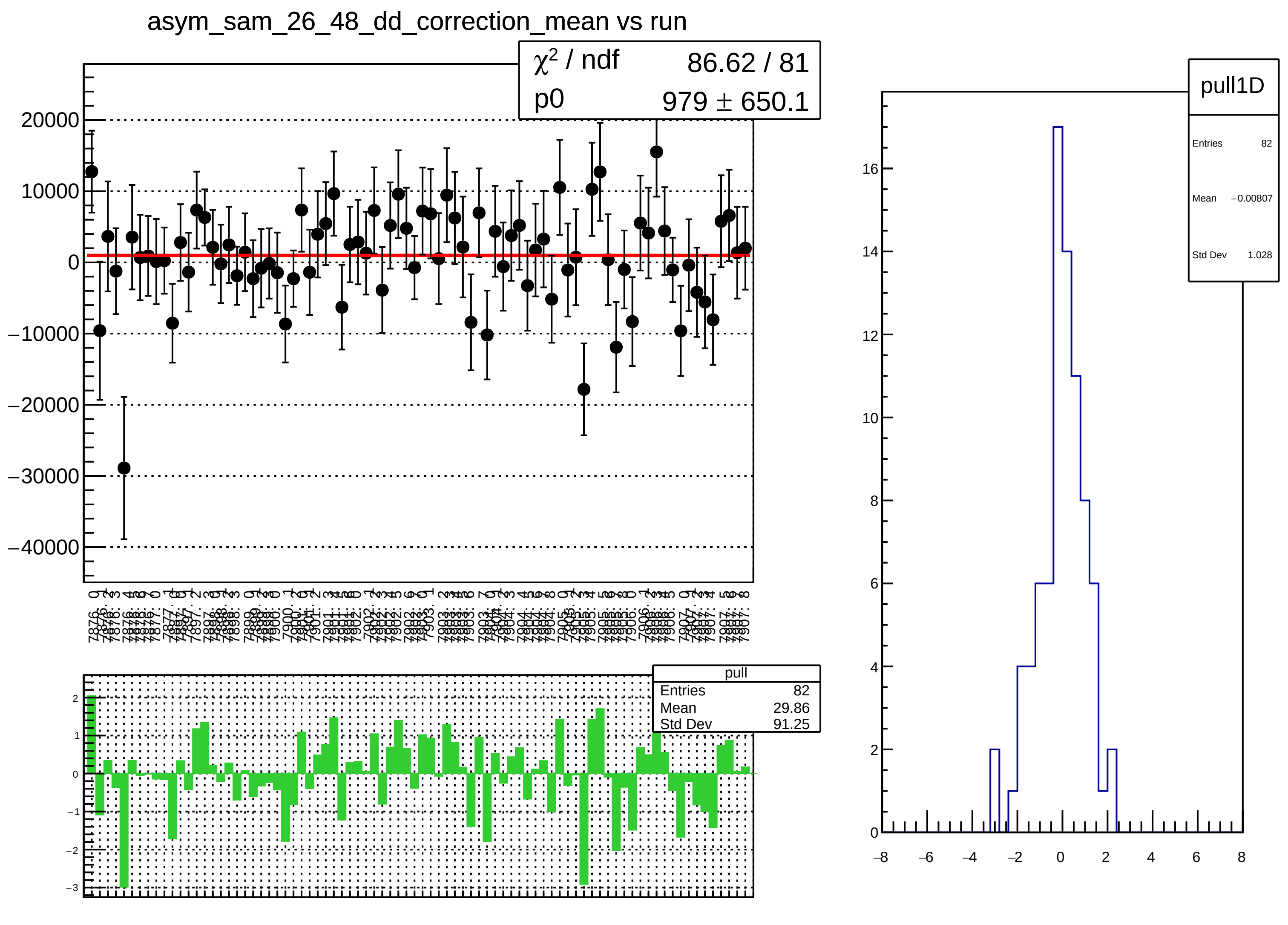


asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.982e+04 / 81
p0 3393 ± 2.706
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

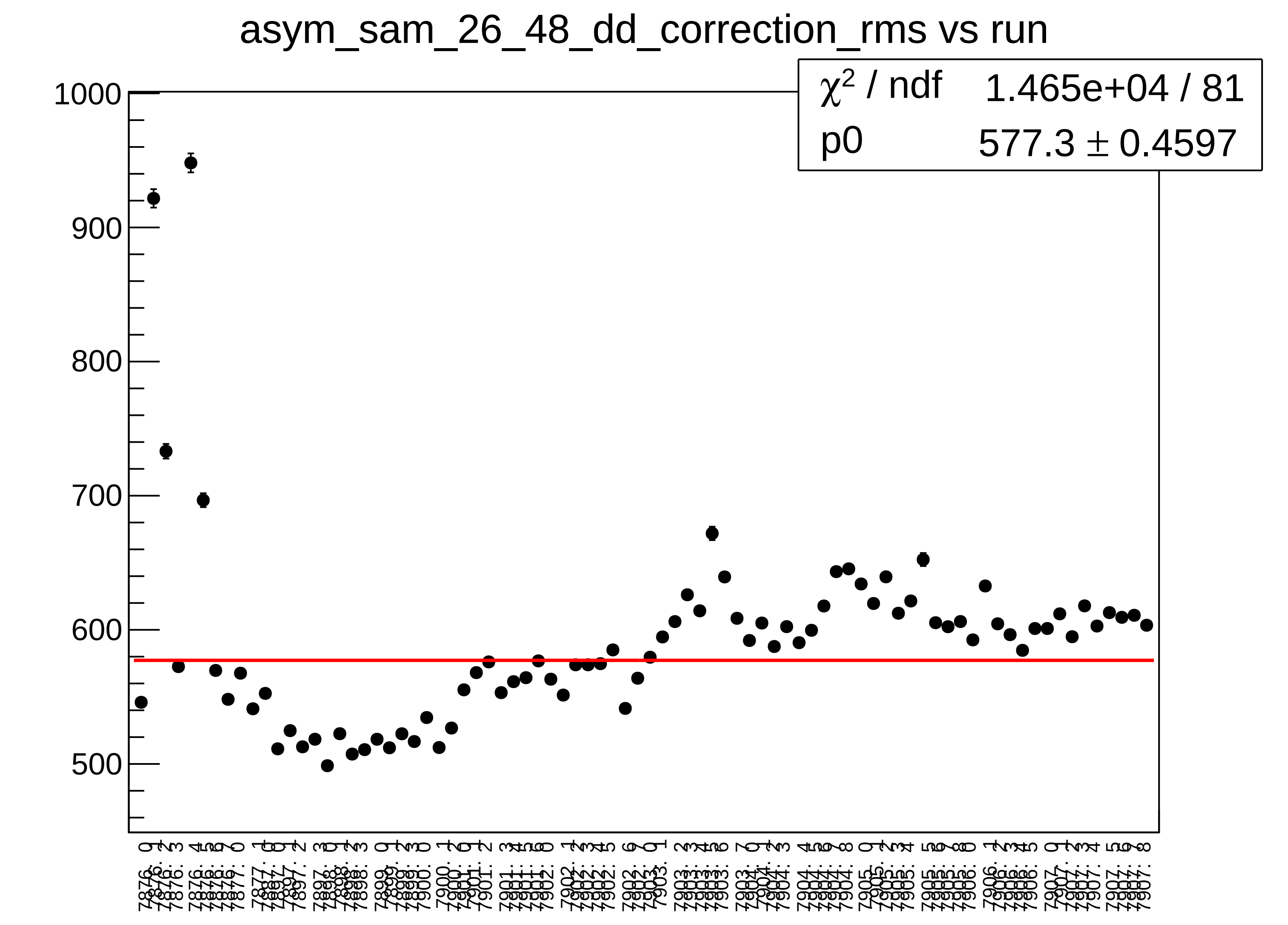

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 79.67 / 81
p0 19.08 ± 121.5
10000
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −20.26
Std Dev 58.43
pull1D
Entries 82
Mean 0.02164
Std Dev 0.9854

dit_asym_sam_26_48_dd_rms vs run

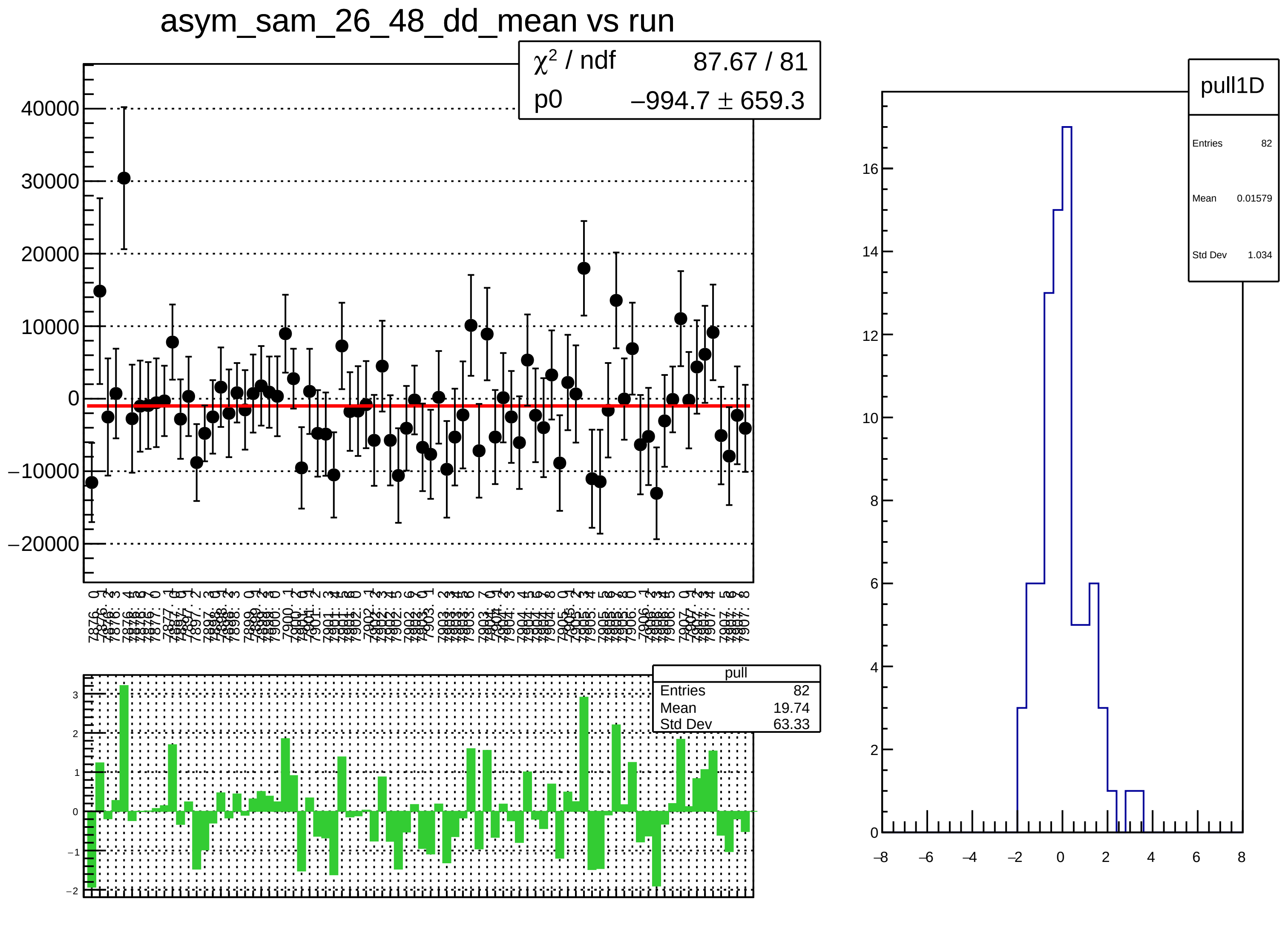




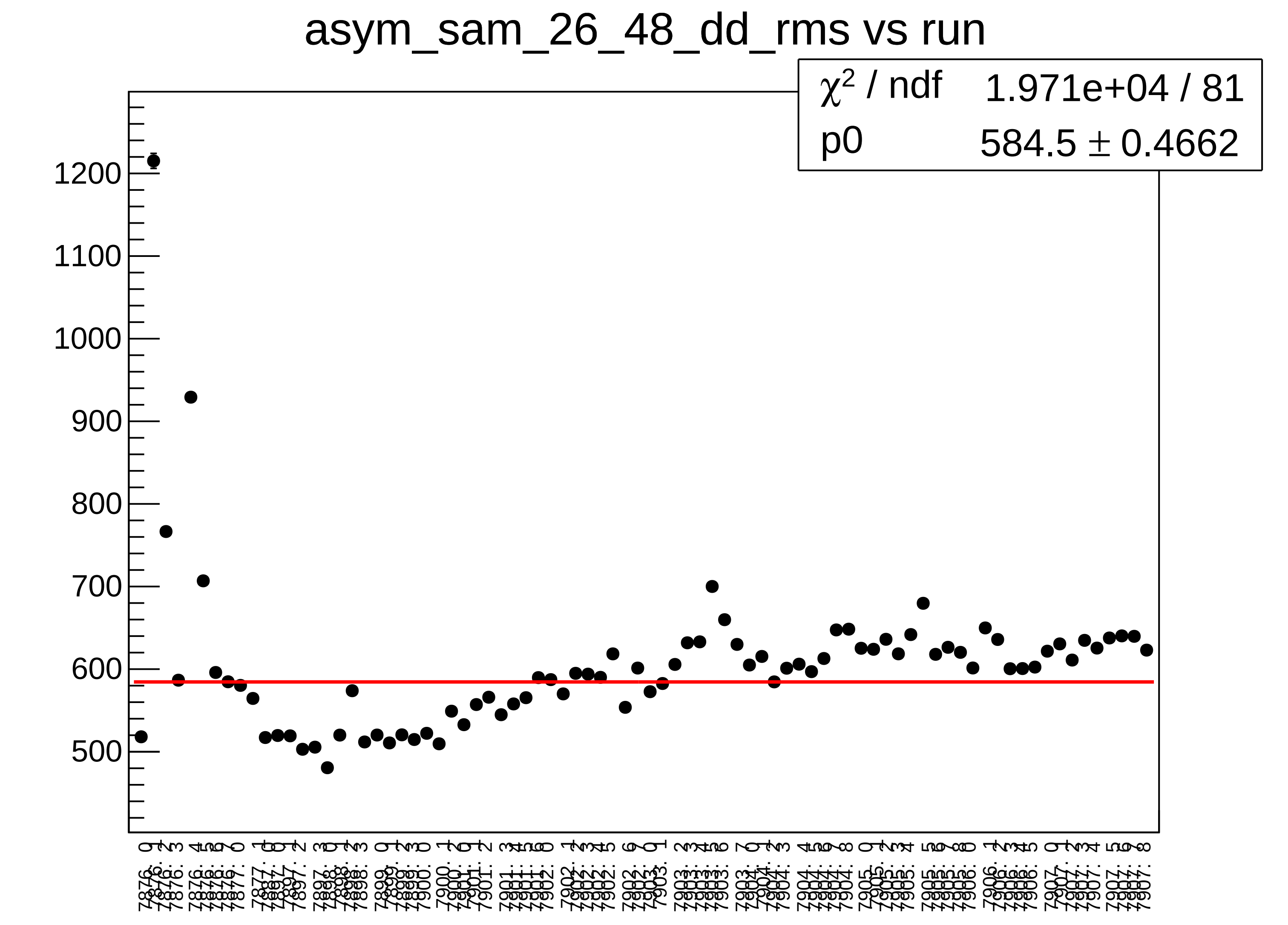
asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 86.62 / 81
p0 979 ± 650.1
pull
Entries 82
Mean 29.86
Std Dev 91.25
pull1D
Entries 82
Mean −0.00807
Std Dev 1.028



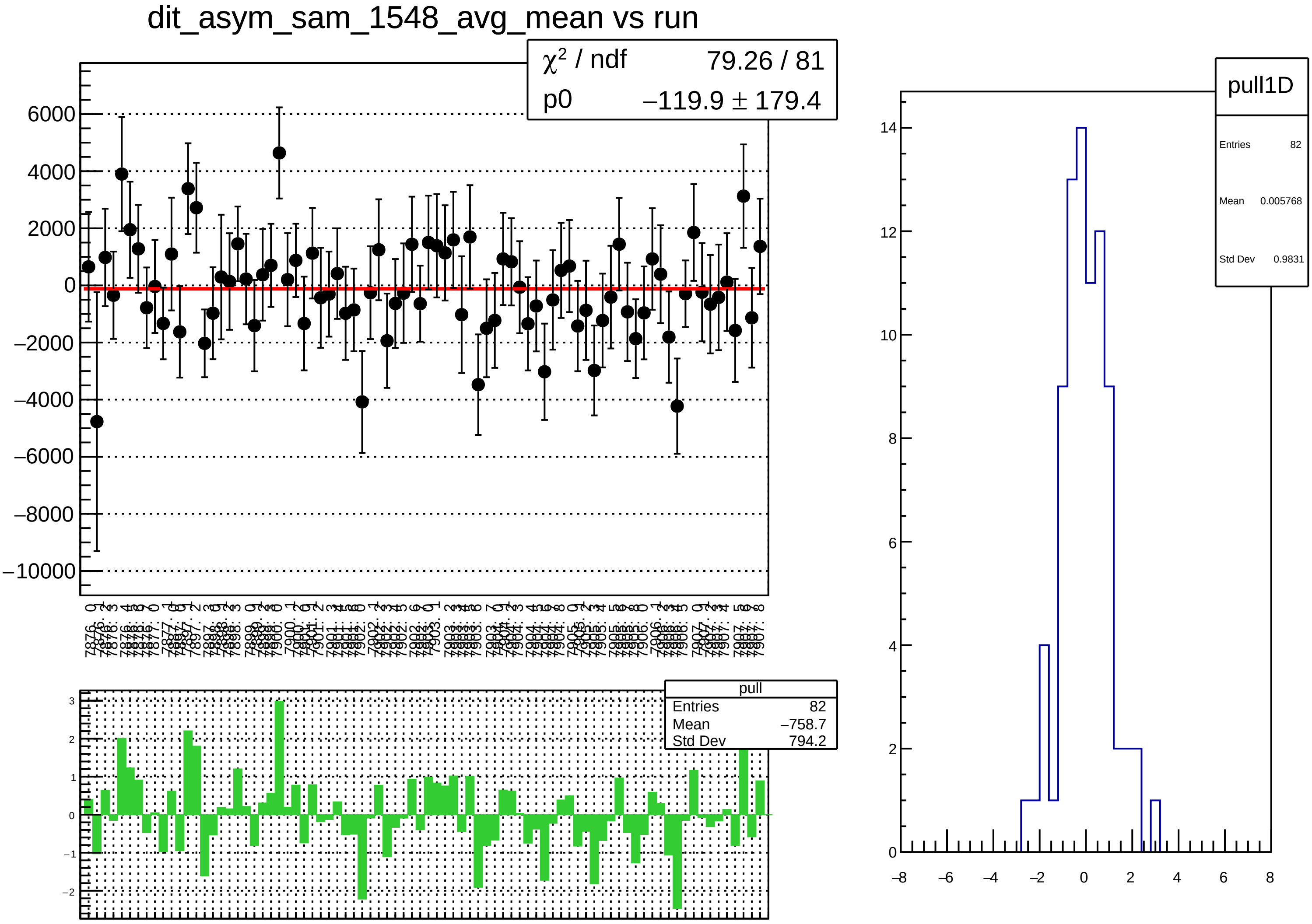
asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 1.465e+04 / 81
p0 577.3 ± 0.4597
1000
900
800
700
600
500



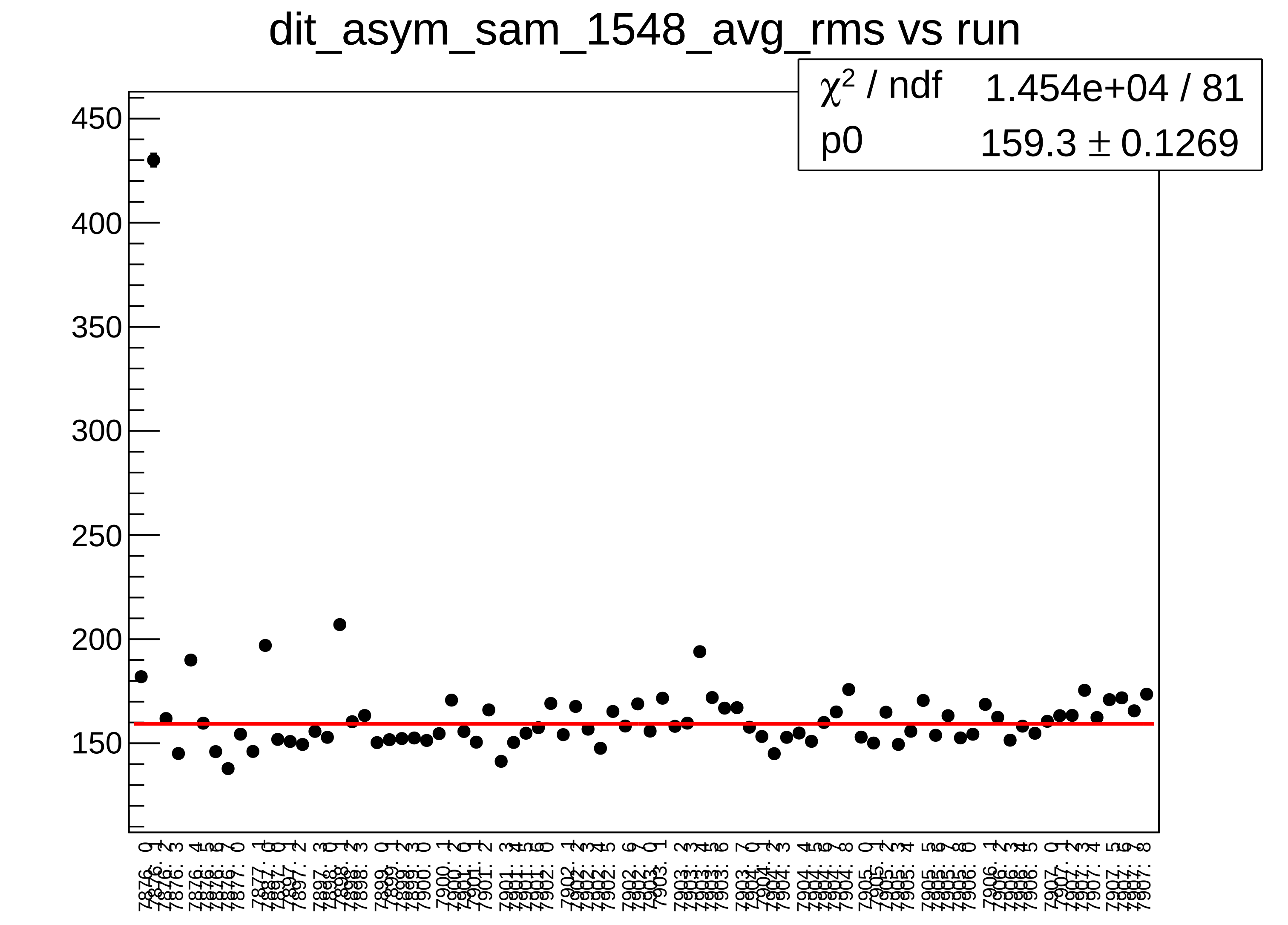
asym_sam_26_48_dd_mean vs run
χ2 / ndf 87.67 / 81
p0 −994.7 ± 659.3
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 19.74
Std Dev 63.33
pull1D
Entries 82
Mean 0.01579
Std Dev 1.034



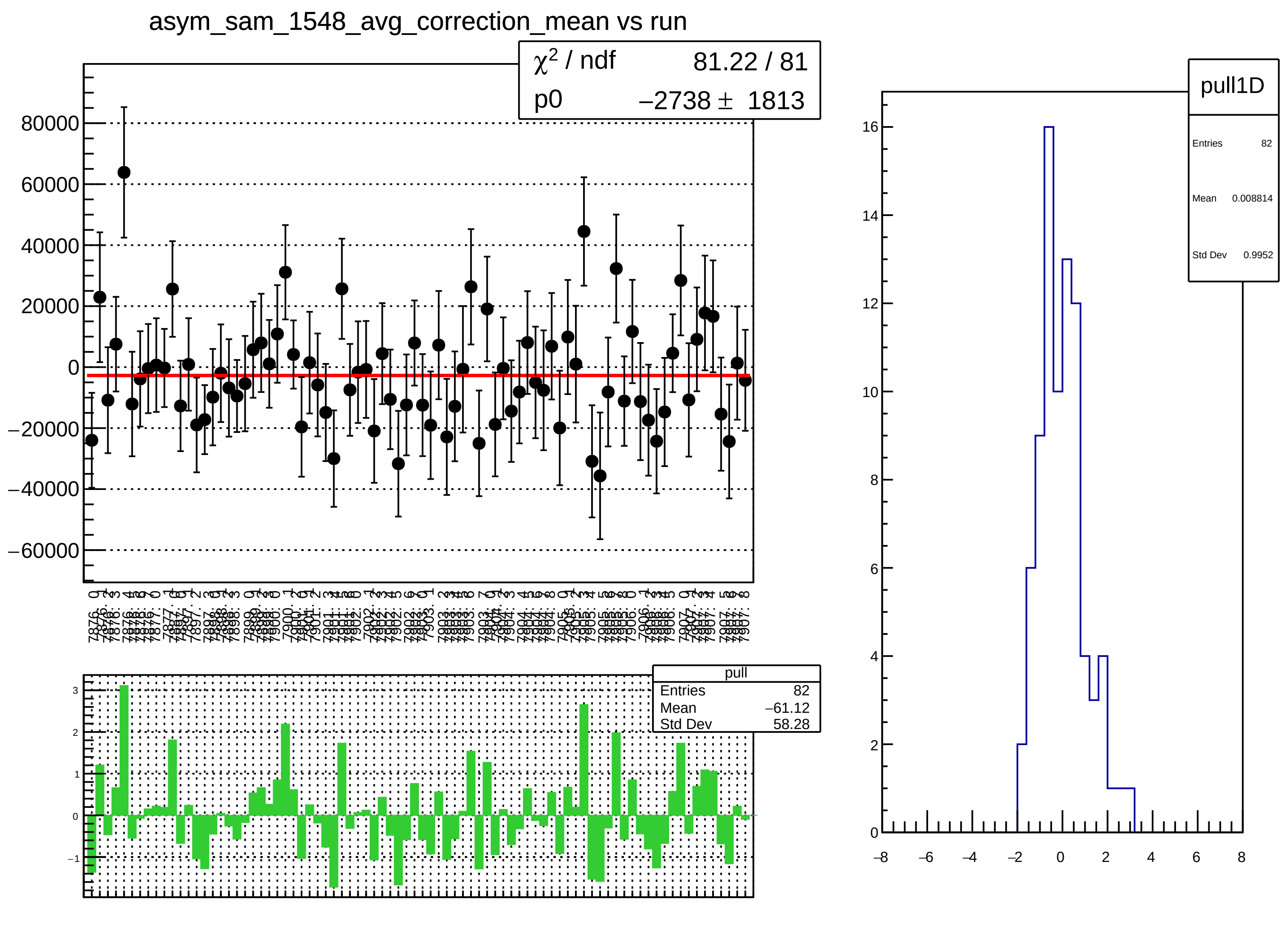
asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.971e+04 / 81
p0 584.5 ± 0.4662



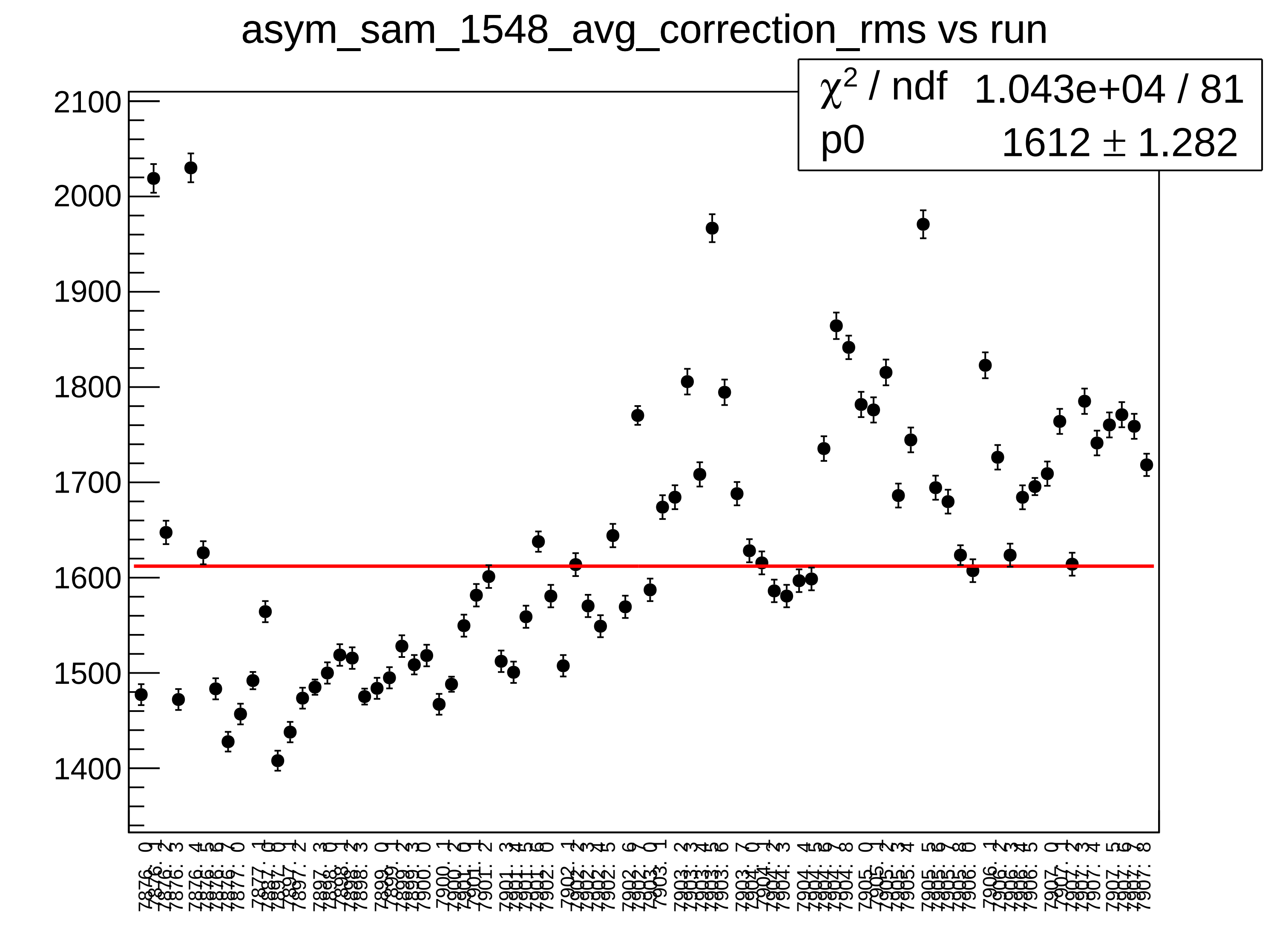
dit_asym_sam_1548_avg_mean vs run
χ2 / ndf 79.26 / 81
p0 −119.9 ± 179.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 82
Mean −758.7
Std Dev 794.2
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.005768
Std Dev 0.9831
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

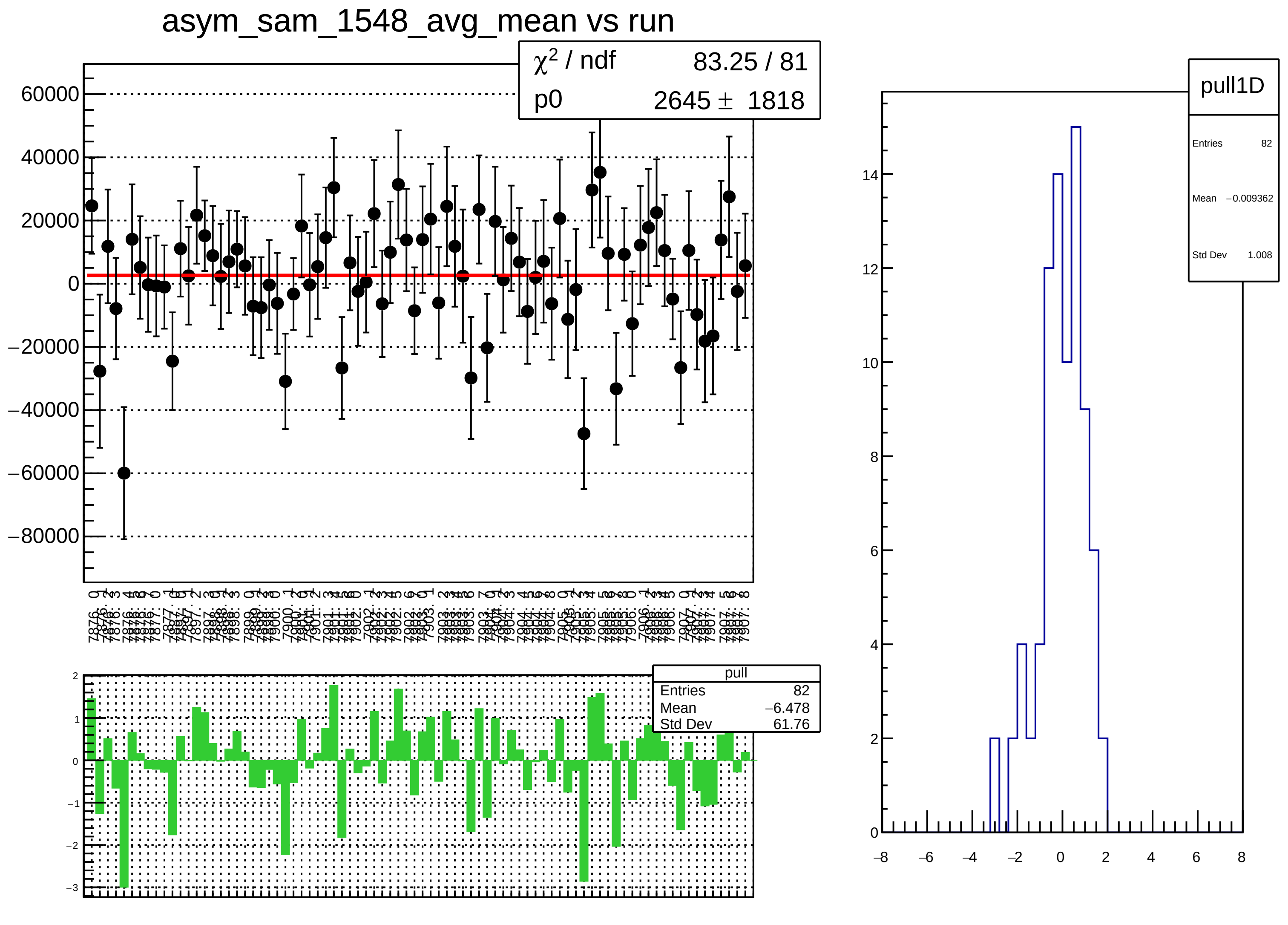


dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.454e+04 / 81
p0 159.3 ± 0.1269
450
400
350
300
250
200
150

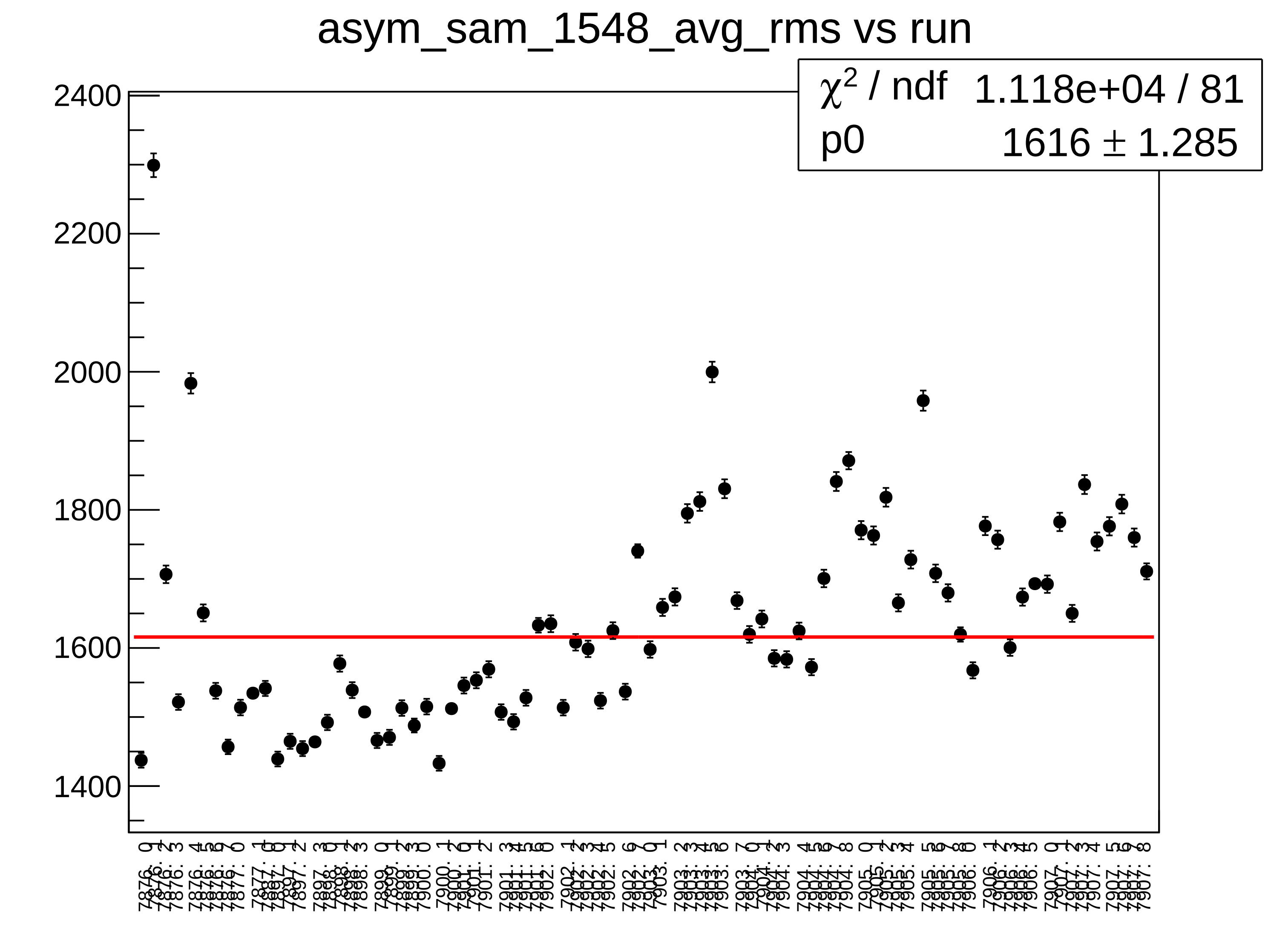


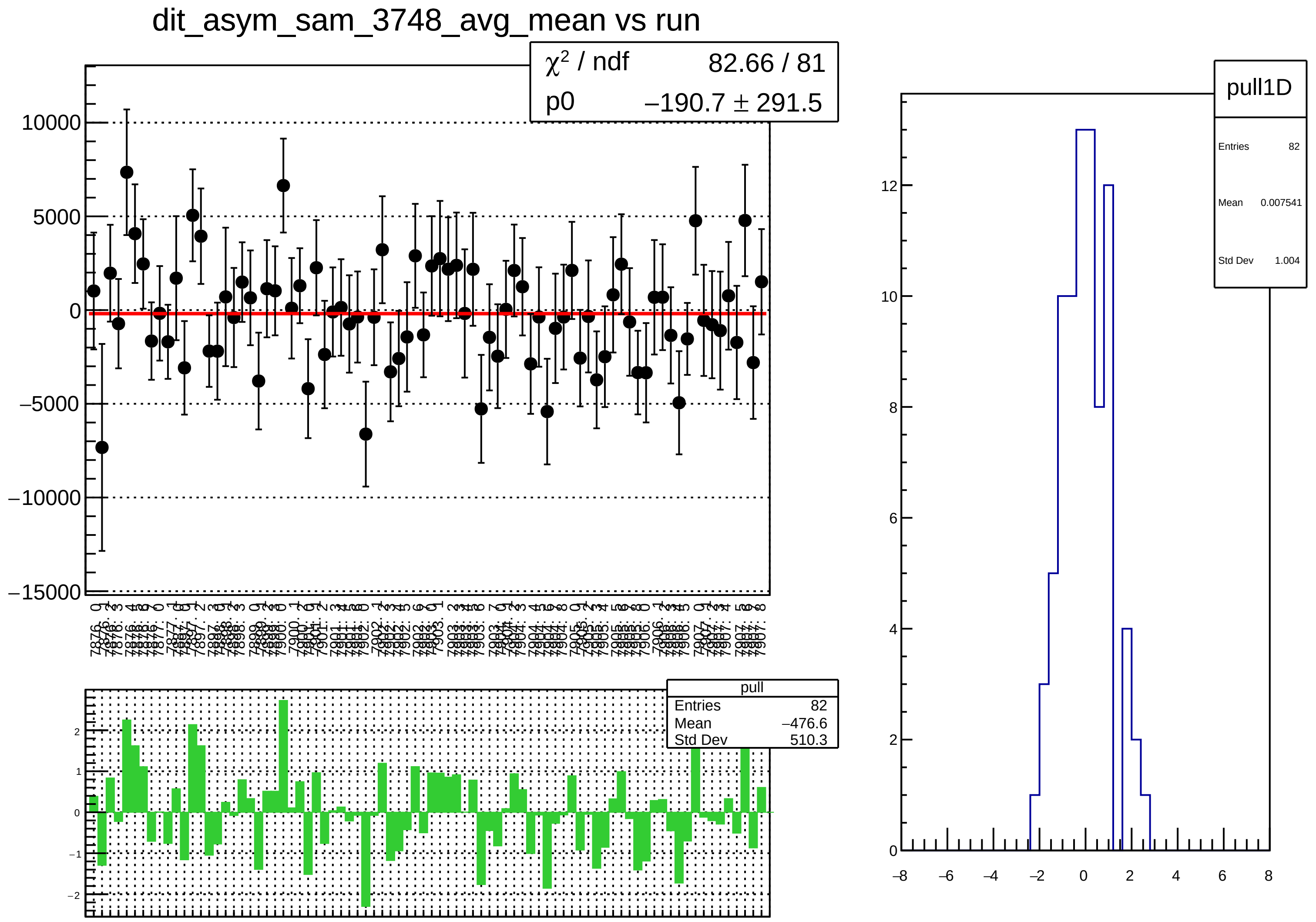
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 81.22 / 81
p0 −2738 ± 1813
pull
Entries 82
Mean −61.12
Std Dev 58.28
pull1D
Entries 82
Mean 0.008814
Std Dev 0.9952


asym_sam_1548_avg_correction_rms vs run
χ2 / ndf 1.043e+04 / 81
p0 1612 ± 1.282
2100
2000
1900
1800
1700
1600
1500
1400

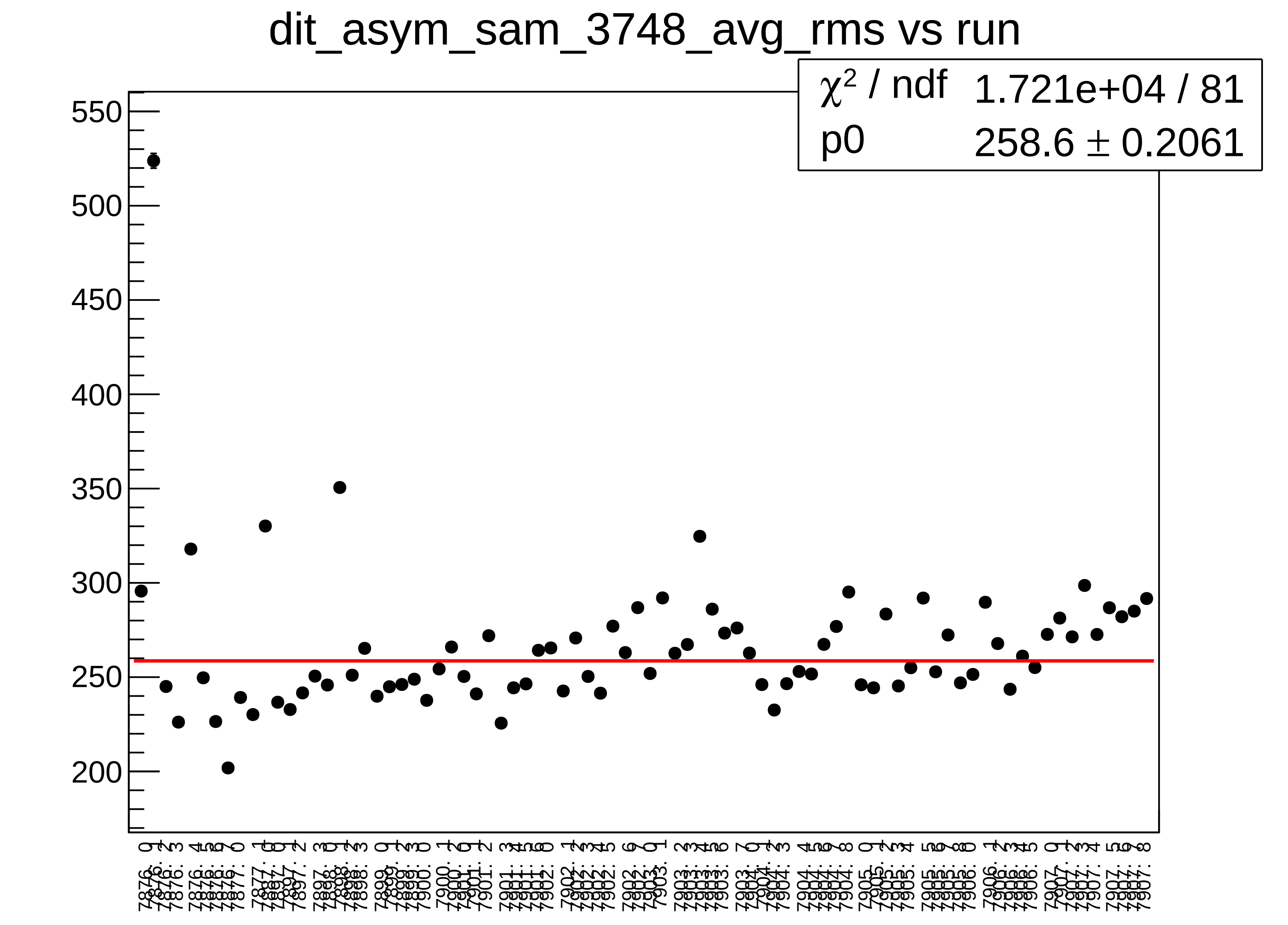


asym_sam_1548_avg_mean vs run
χ^2 / ndf 83.25 / 81
p0 2645 ± 1818
pull
Entries 82
Mean −6.478
Std Dev 61.76
pull1D
Entries 82
Mean −0.009362
Std Dev 1.008

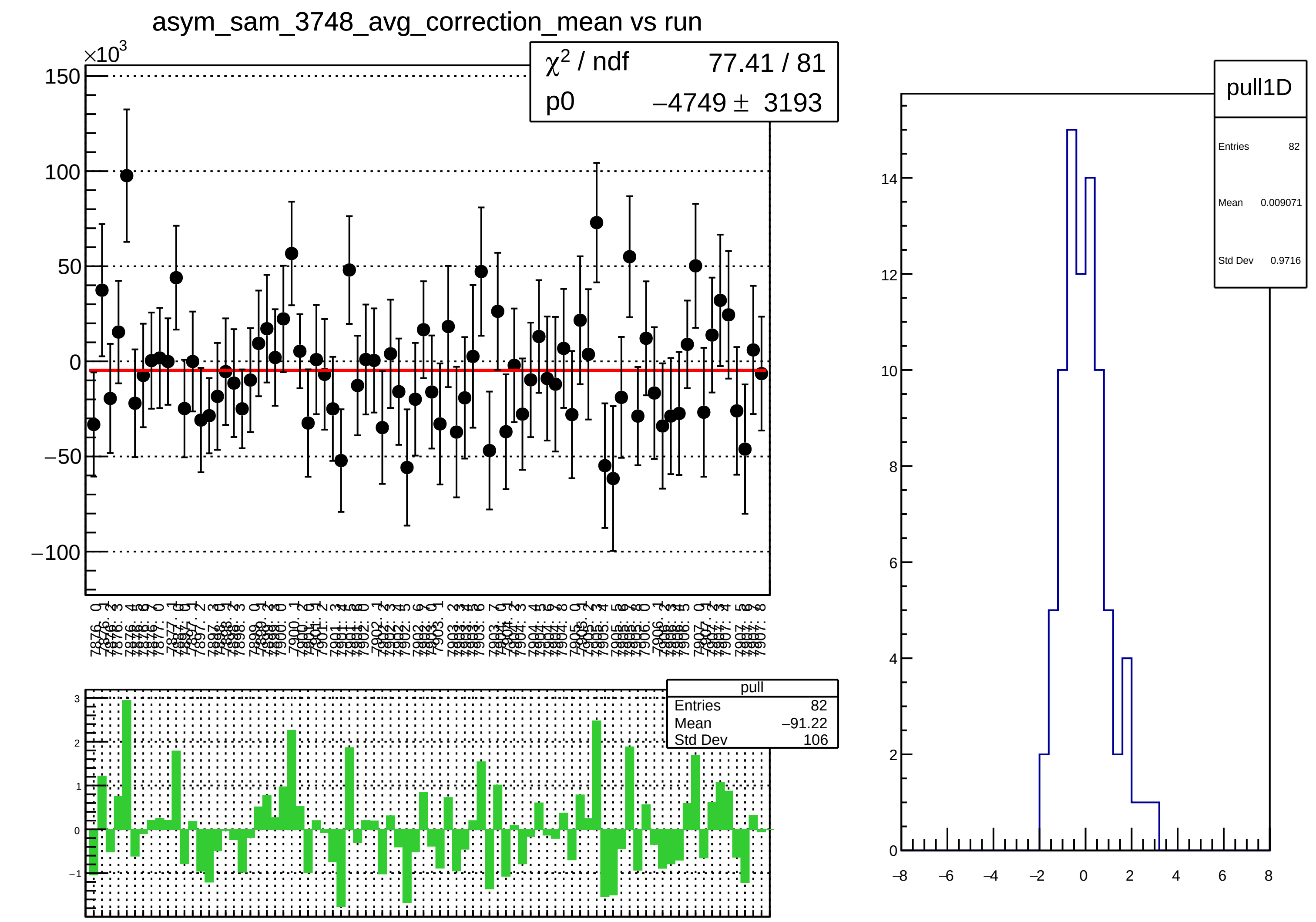

asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.118e+04 / 81
p0 1616 ± 1.285
2400
2200
2000
1800
1600
1400

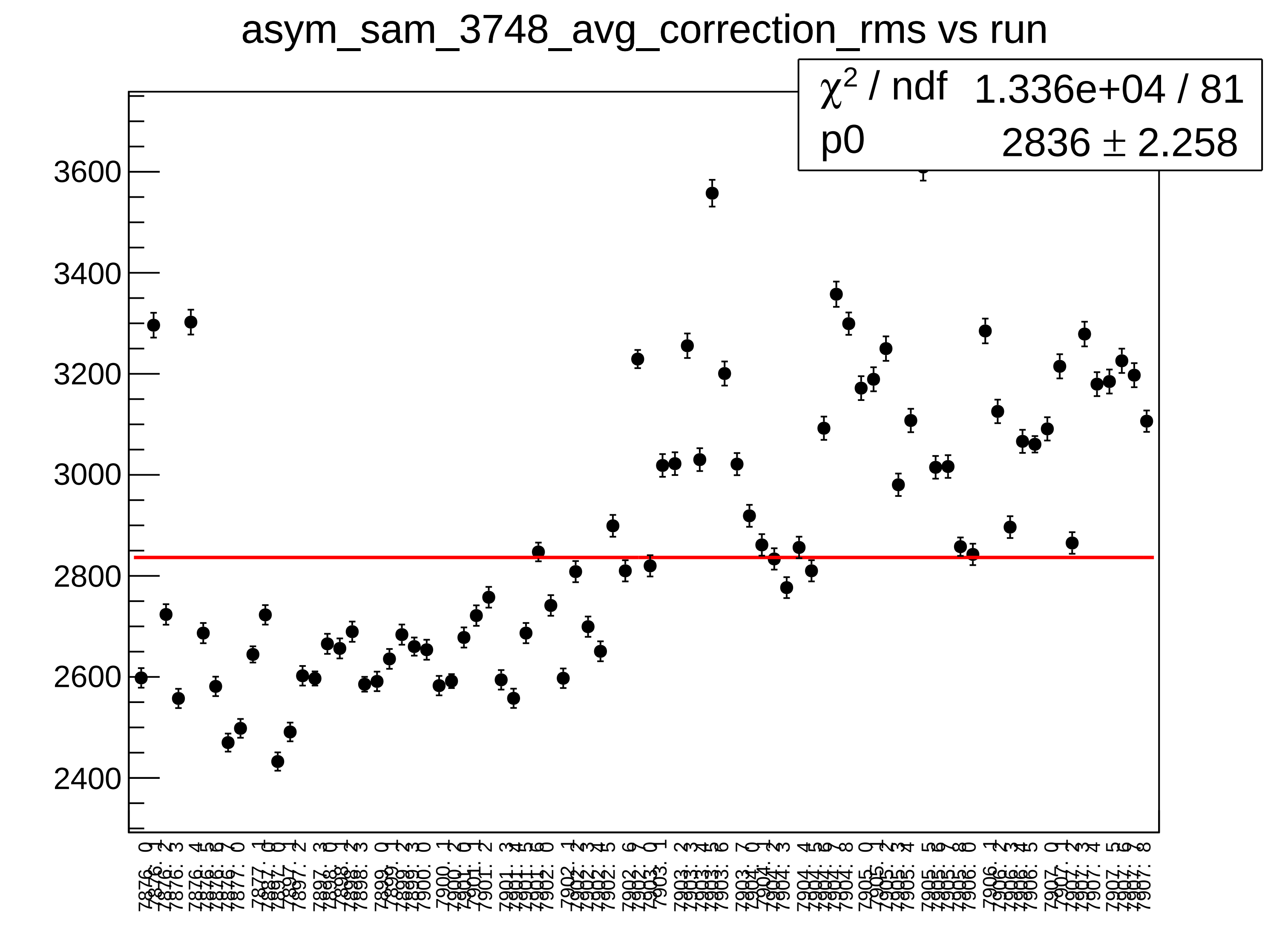


dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 82.66 / 81
p0 −190.7 ± 291.5
pull
Entries 82
Mean −476.6
Std Dev 510.3
pull1D
Entries 82
Mean 0.007541
Std Dev 1.004

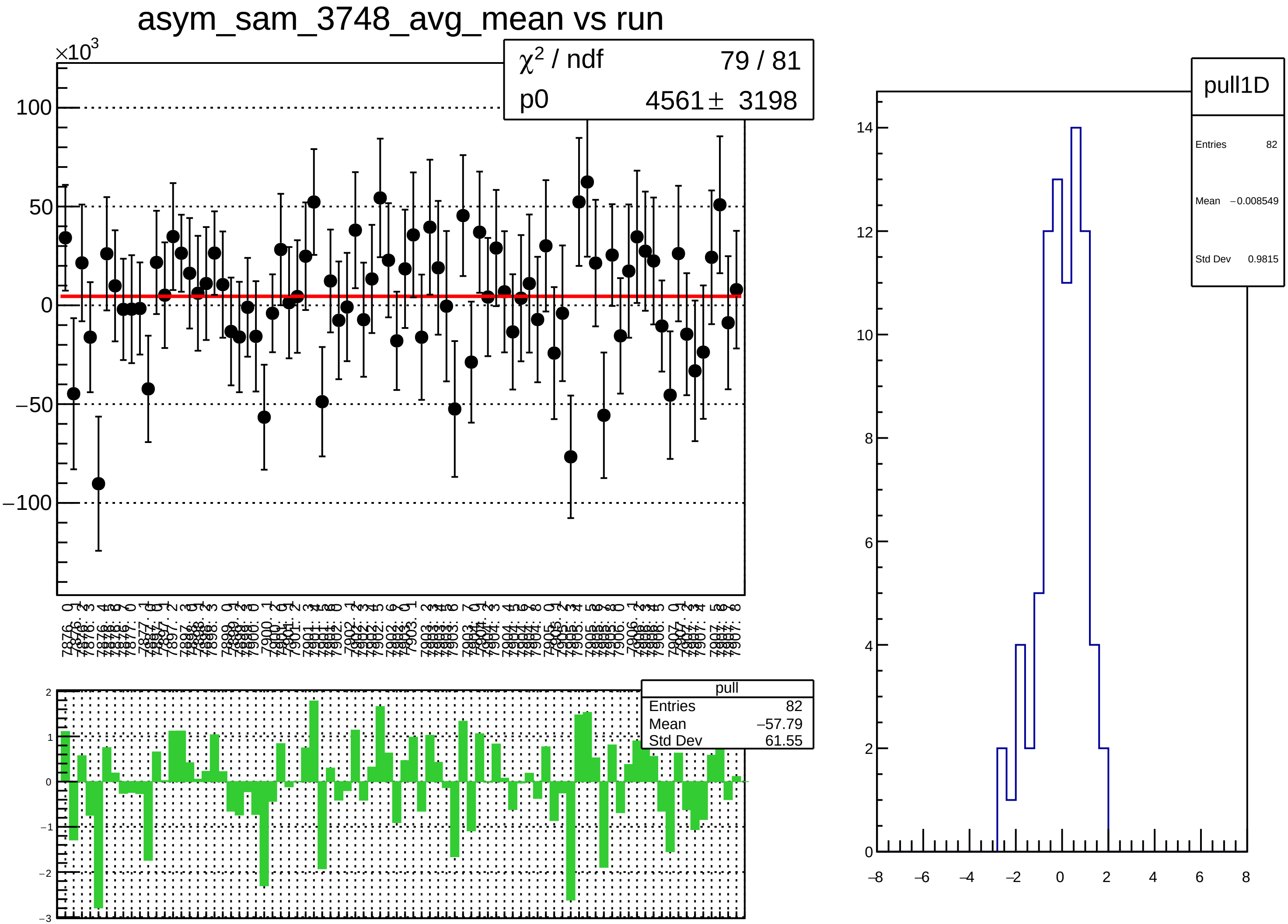


dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.721e+04 / 81
p0 258.6 ± 0.2061
550
500
450
400
350
300
250
200

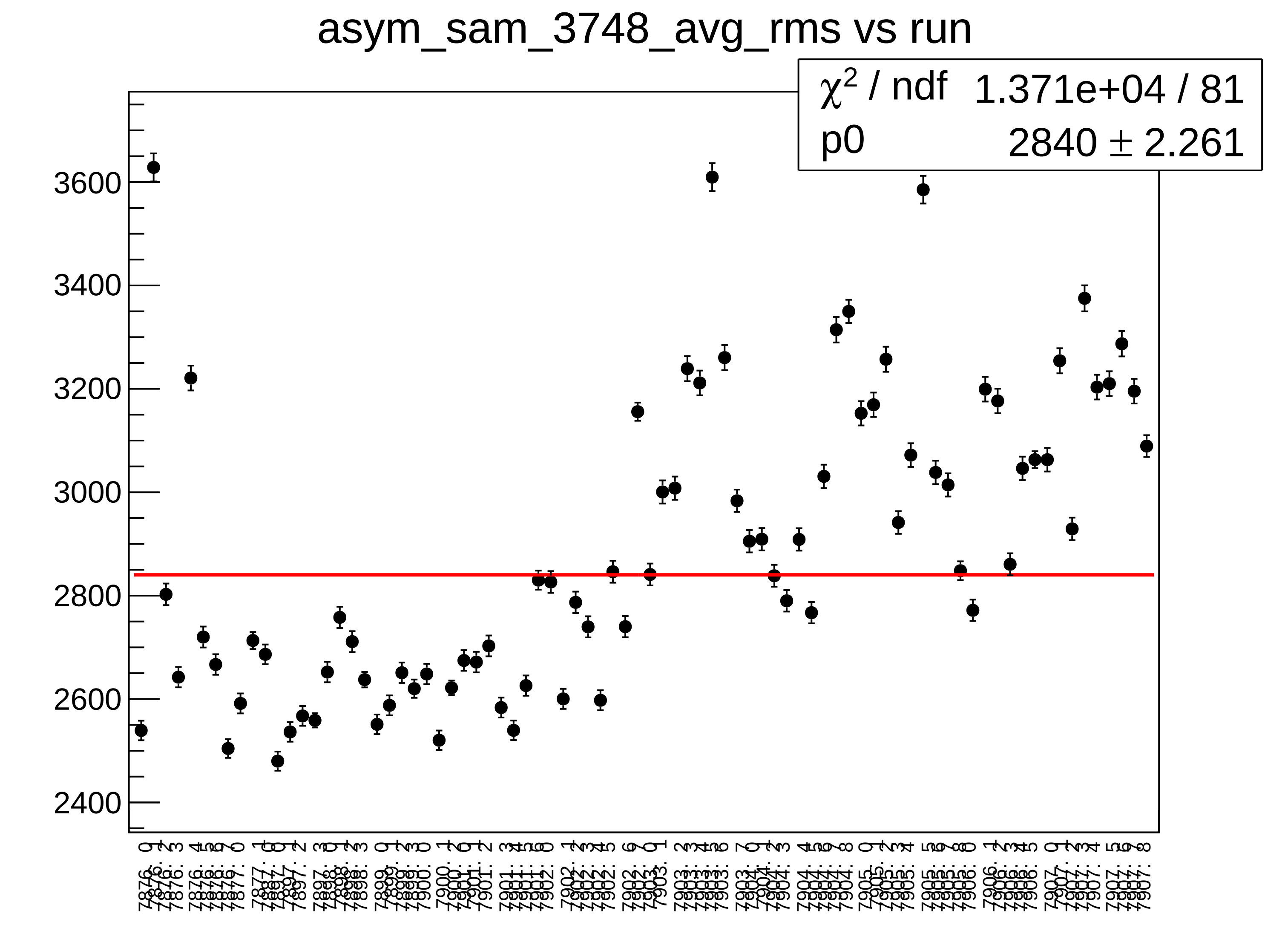

asym_sam_3748_avg_correction_mean vs run
χ2 / ndf 77.41 / 81
p0 −4749 ± 3193
×10^3
150
100
50
0
−50
−100
pull
Entries 82
Mean −91.22
Std Dev 106
pull1D
Entries 82
Mean 0.009071
Std Dev 0.9716



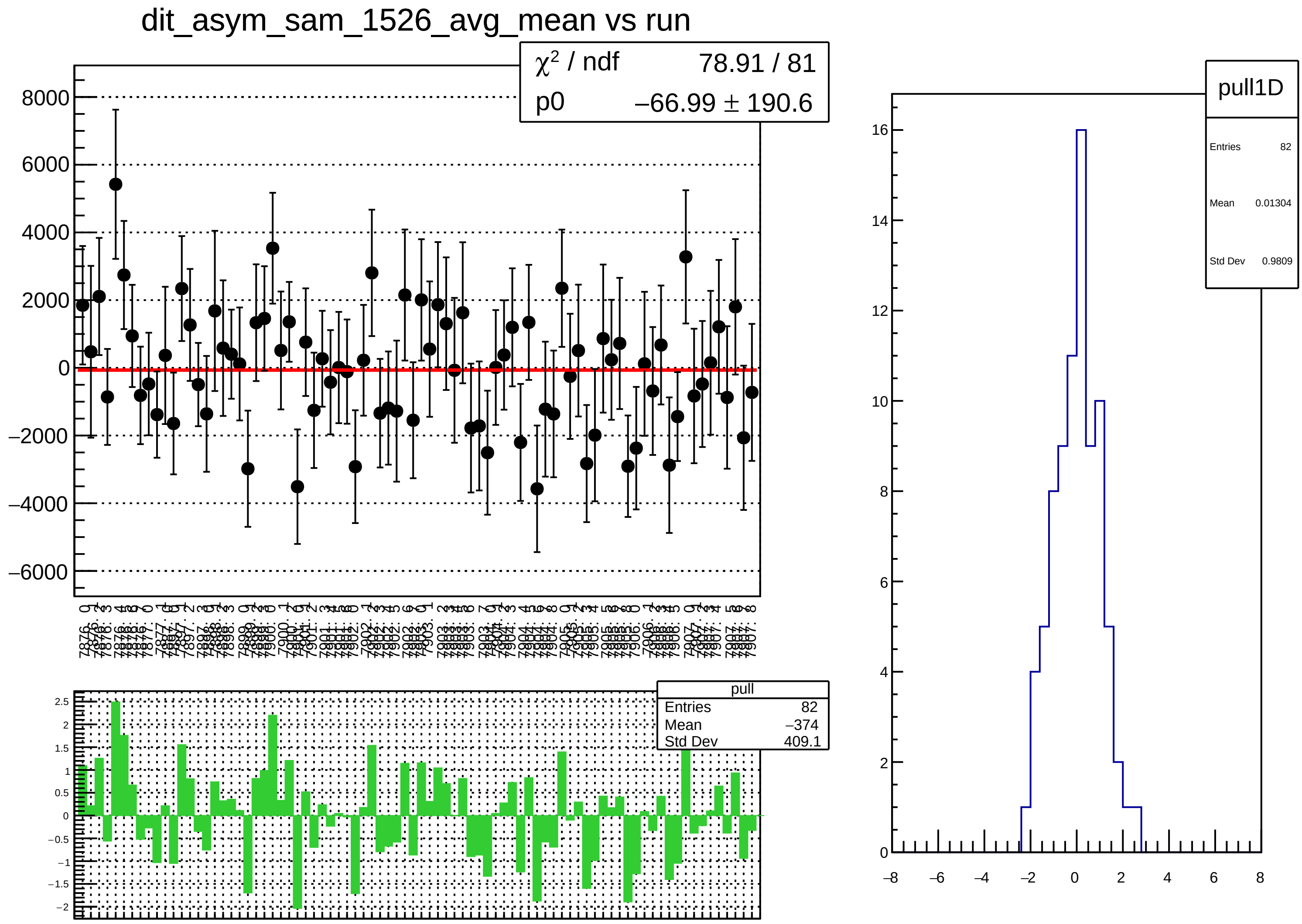
asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 1.336e+04 / 81
p0 2836 ± 2.258
3600
3400
3200
3000
2800
2600
2400



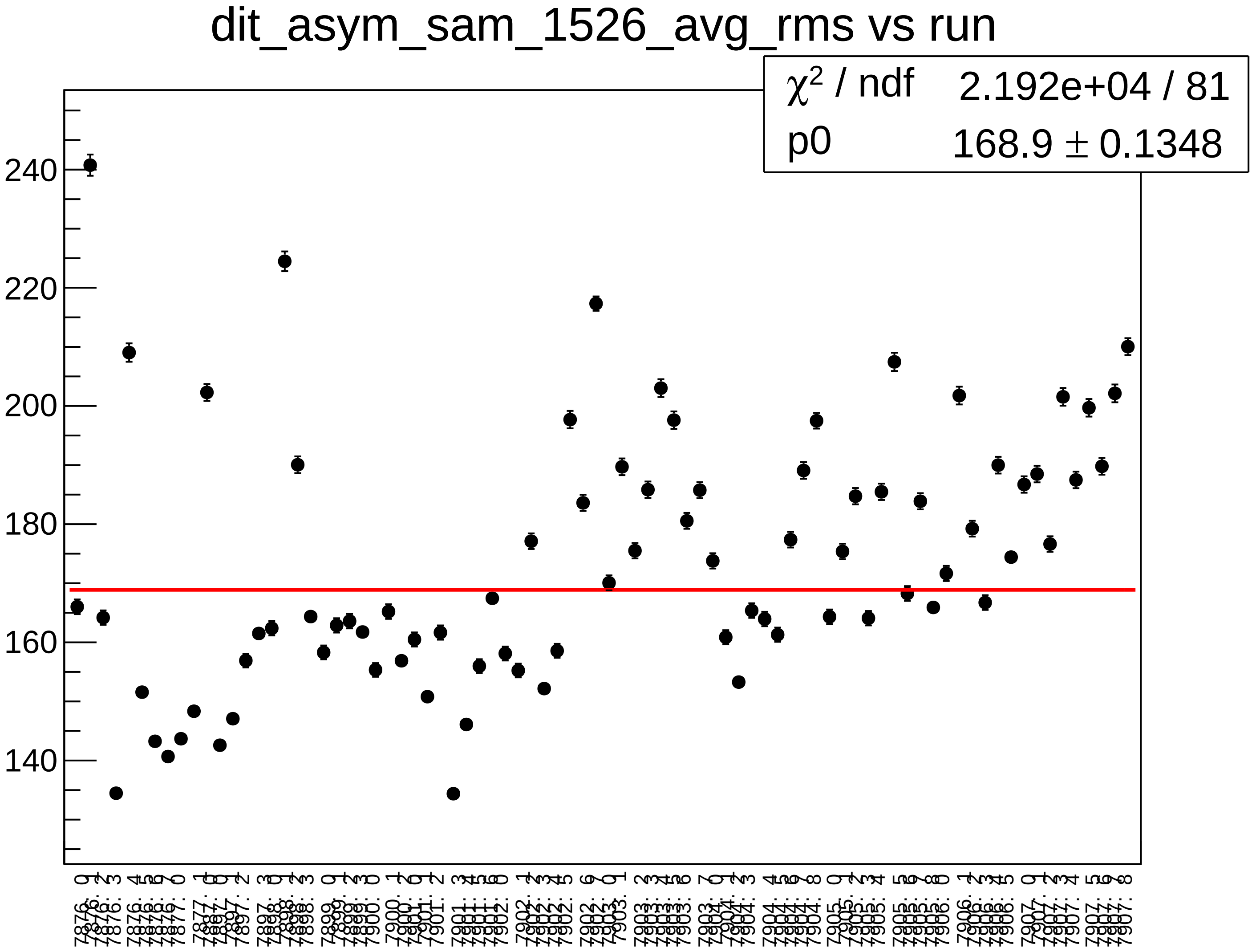
asym_sam_3748_avg_mean vs run
×10^3
χ2 / ndf 79 / 81
p0 4561 ± 3198
100
50
0
−50
−100
pull
Entries 82
Mean −57.79
Std Dev 61.55
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.008549
Std Dev 0.9815
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

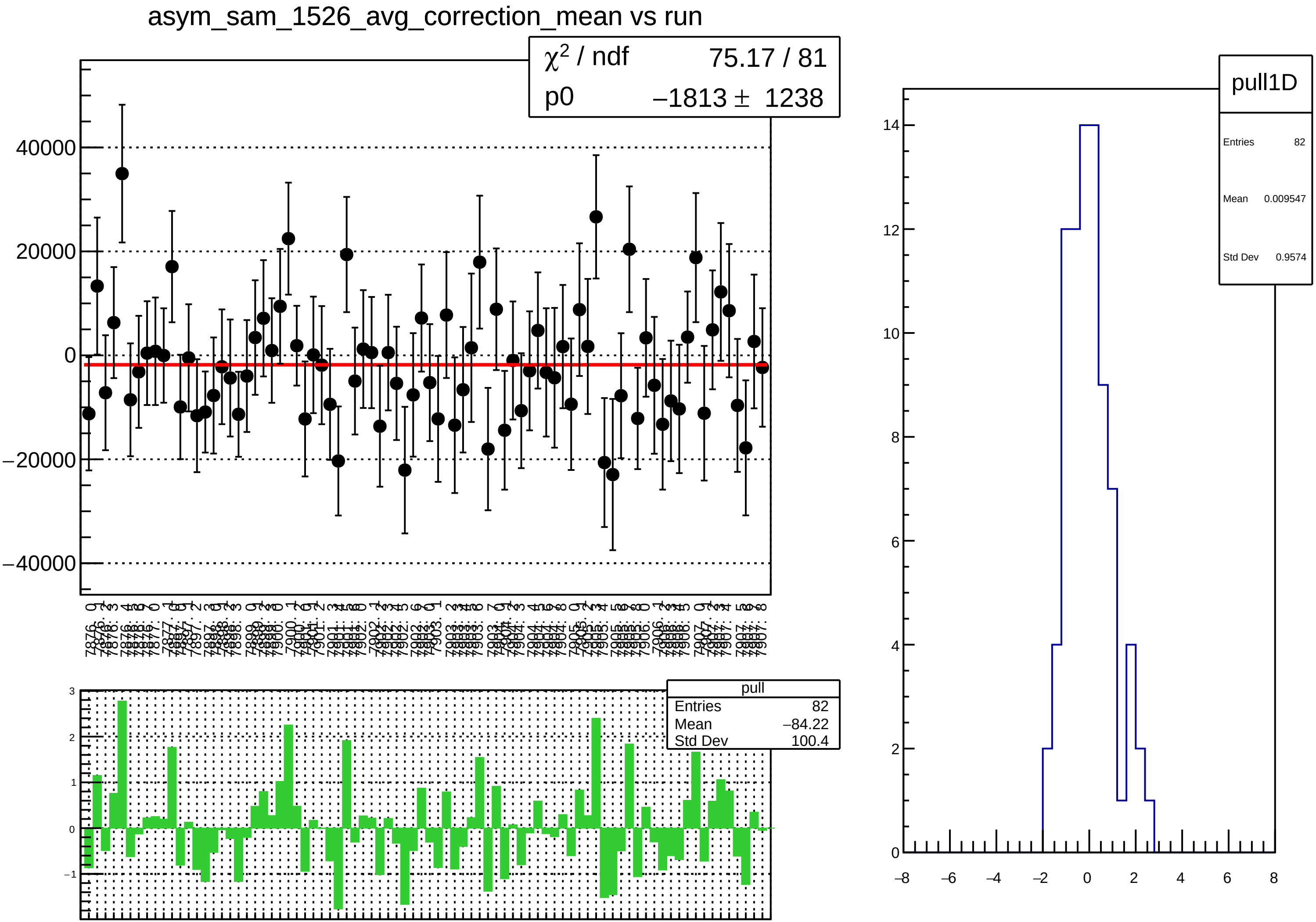


asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.371e+04 / 81
p0 2840 ± 2.261
3600
3400
3200
3000
2800
2600
2400



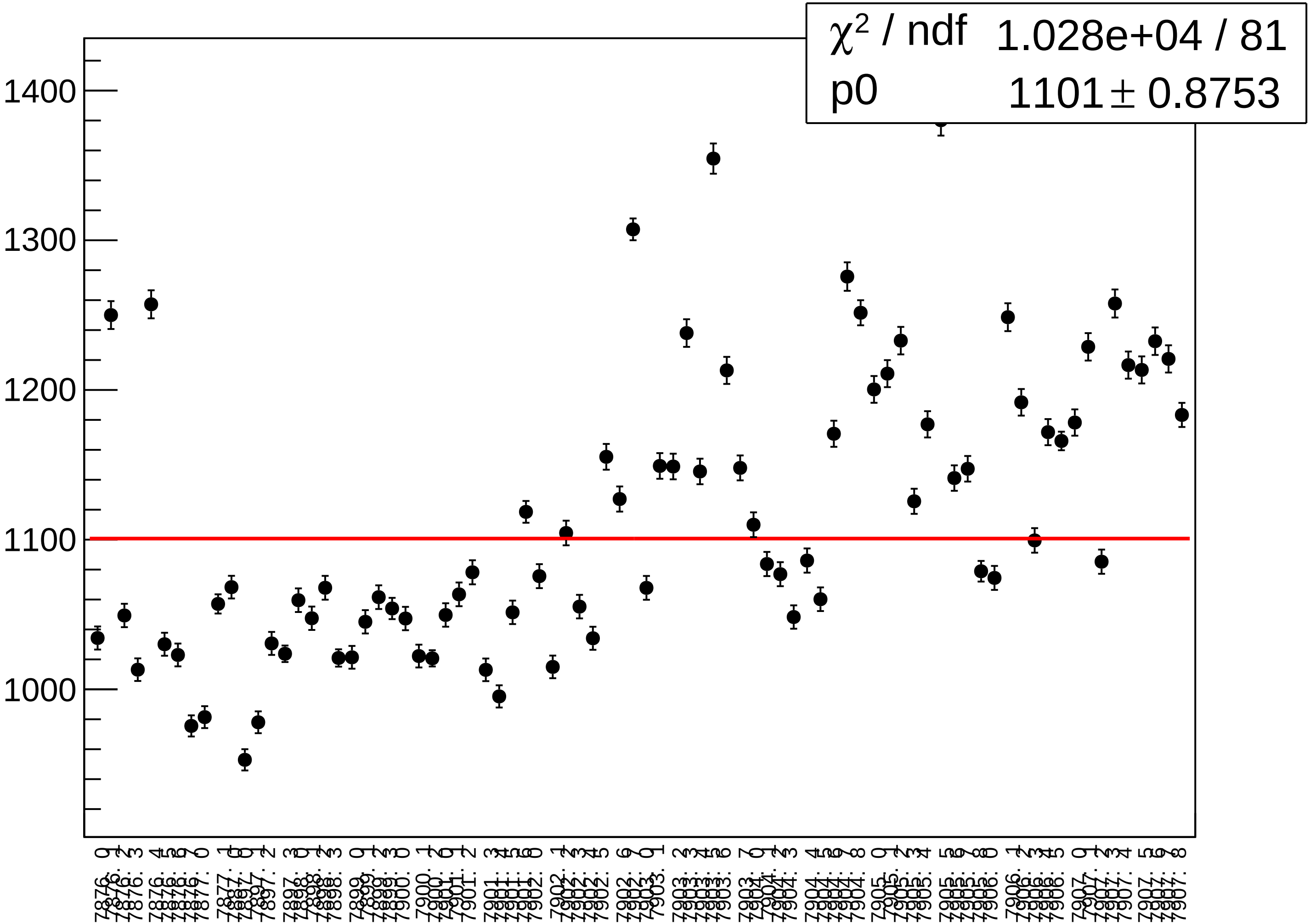
dit_asym_sam_1526_avg_mean vs run
χ2 / ndf 78.91 / 81
p0 −66.99 ± 190.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −374
Std Dev 409.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01304
Std Dev 0.9809
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

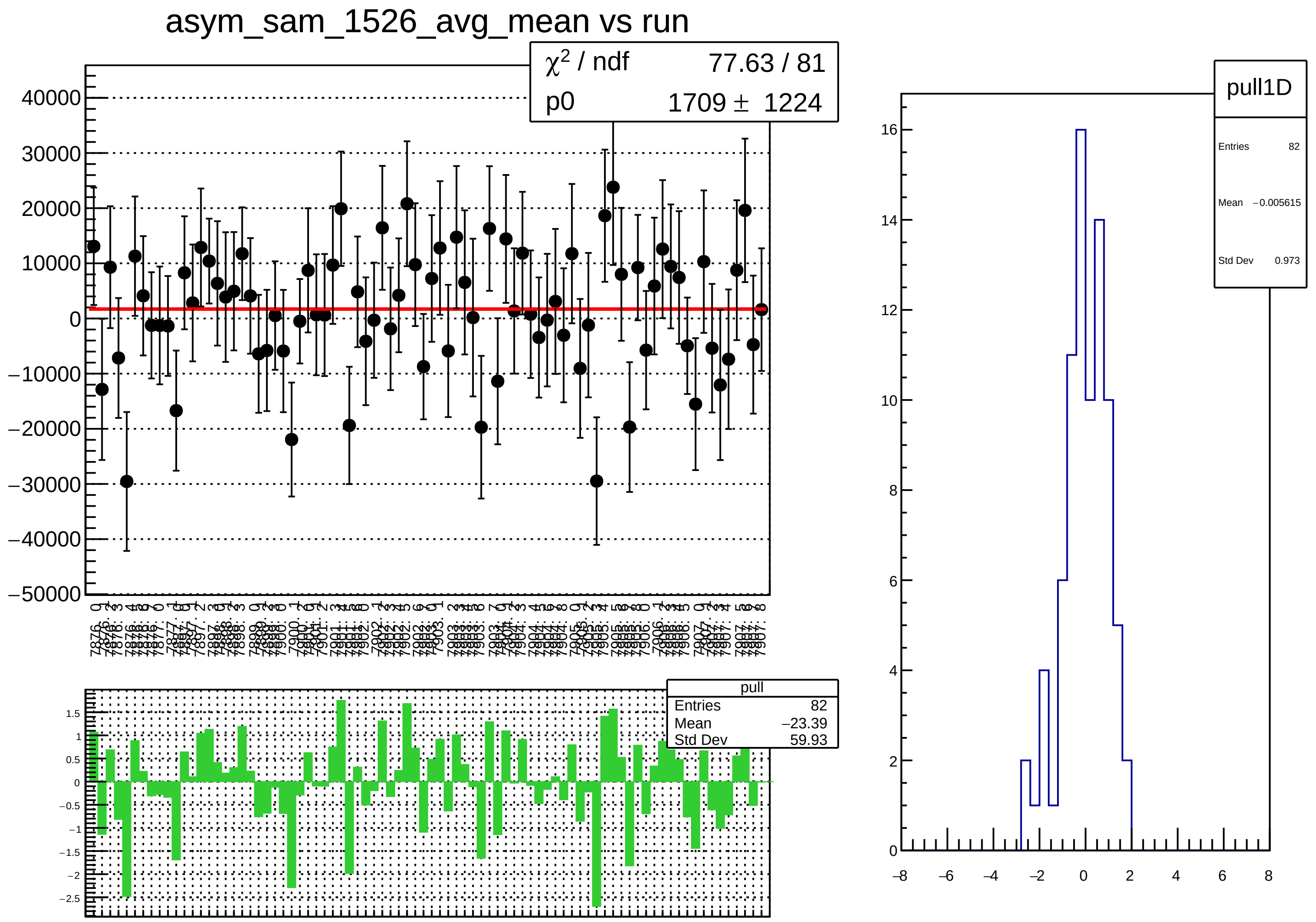

dit_asym_sam_1526_avg_rms vs run
χ2 / ndf 2.192e+04 / 81
p0 168.9 ± 0.1348
240
220
200
180
160
140



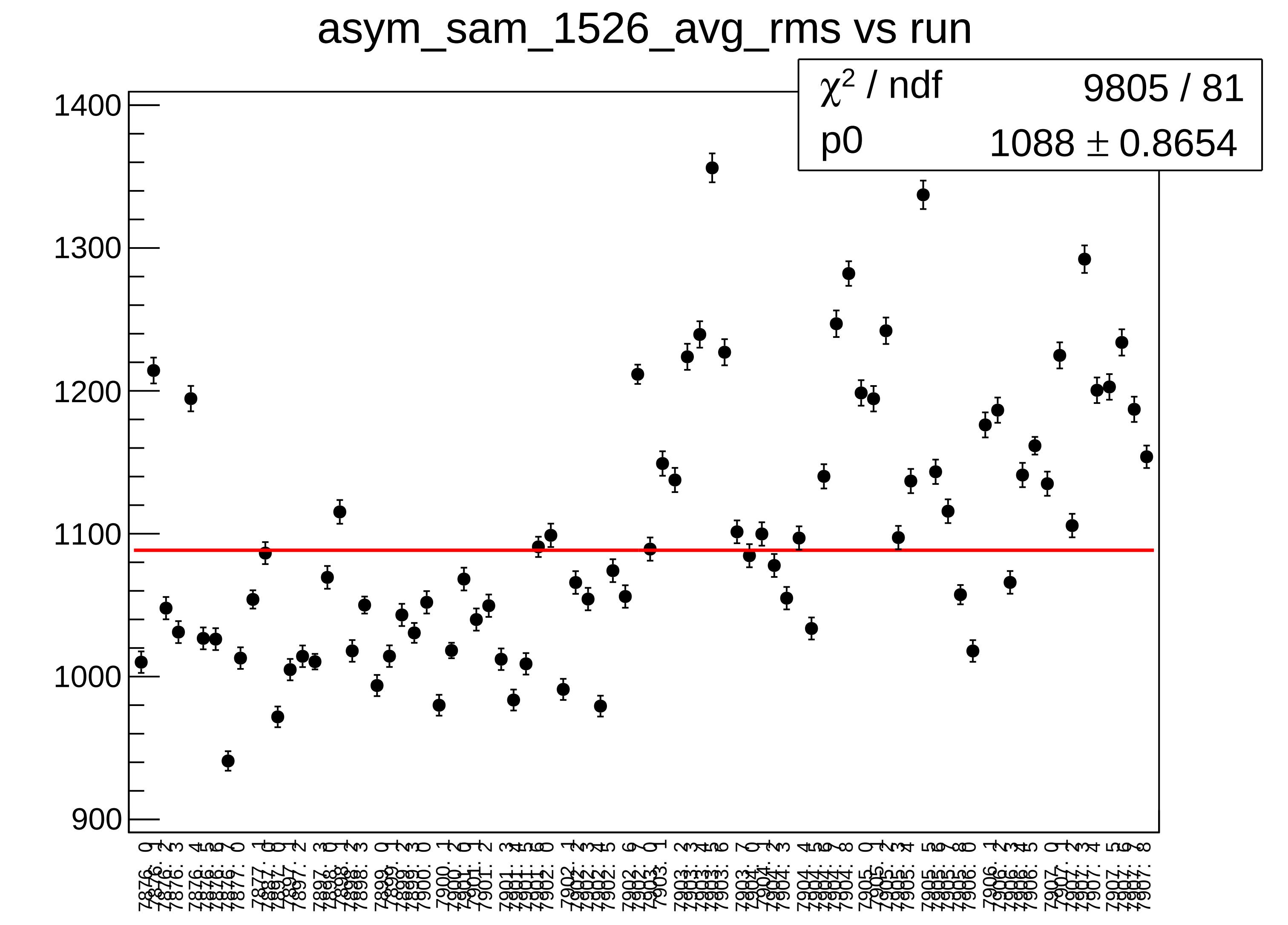
asym_sam_1526_avg_correction_mean vs run
χ2 / ndf 75.17 / 81
p0 −1813 ± 1238
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −84.22
Std Dev 100.4
3
2
1
0
−1
pull1D
Entries 82
Mean 0.009547
Std Dev 0.9574
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1526_avg_correction_rms vs run

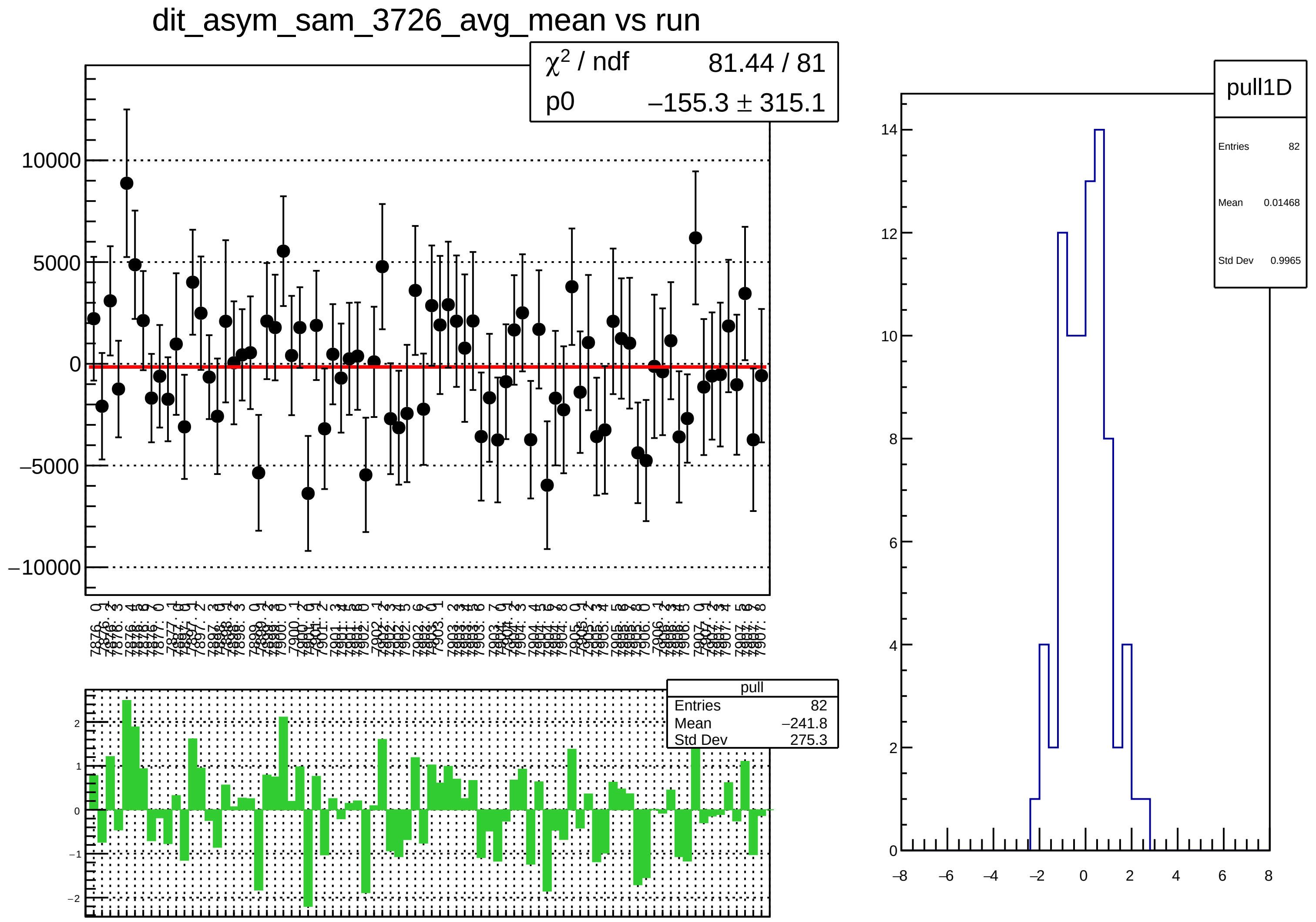




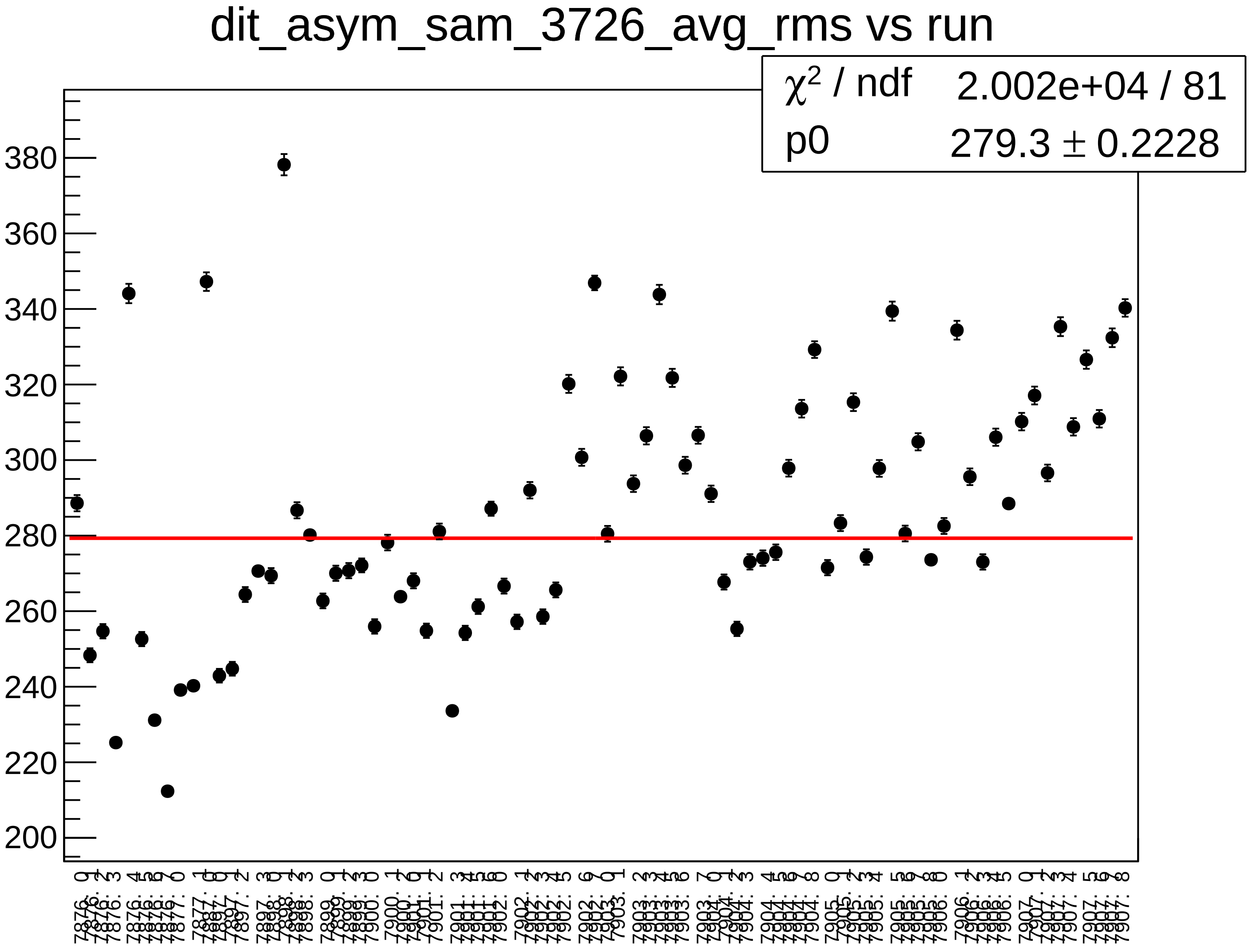
asym_sam_1526_avg_mean vs run
χ^2 / ndf 77.63 / 81
p0 1709 ± 1224
pull
Entries 82
Mean −23.39
Std Dev 59.93
pull1D
Entries 82
Mean −0.005615
Std Dev 0.973



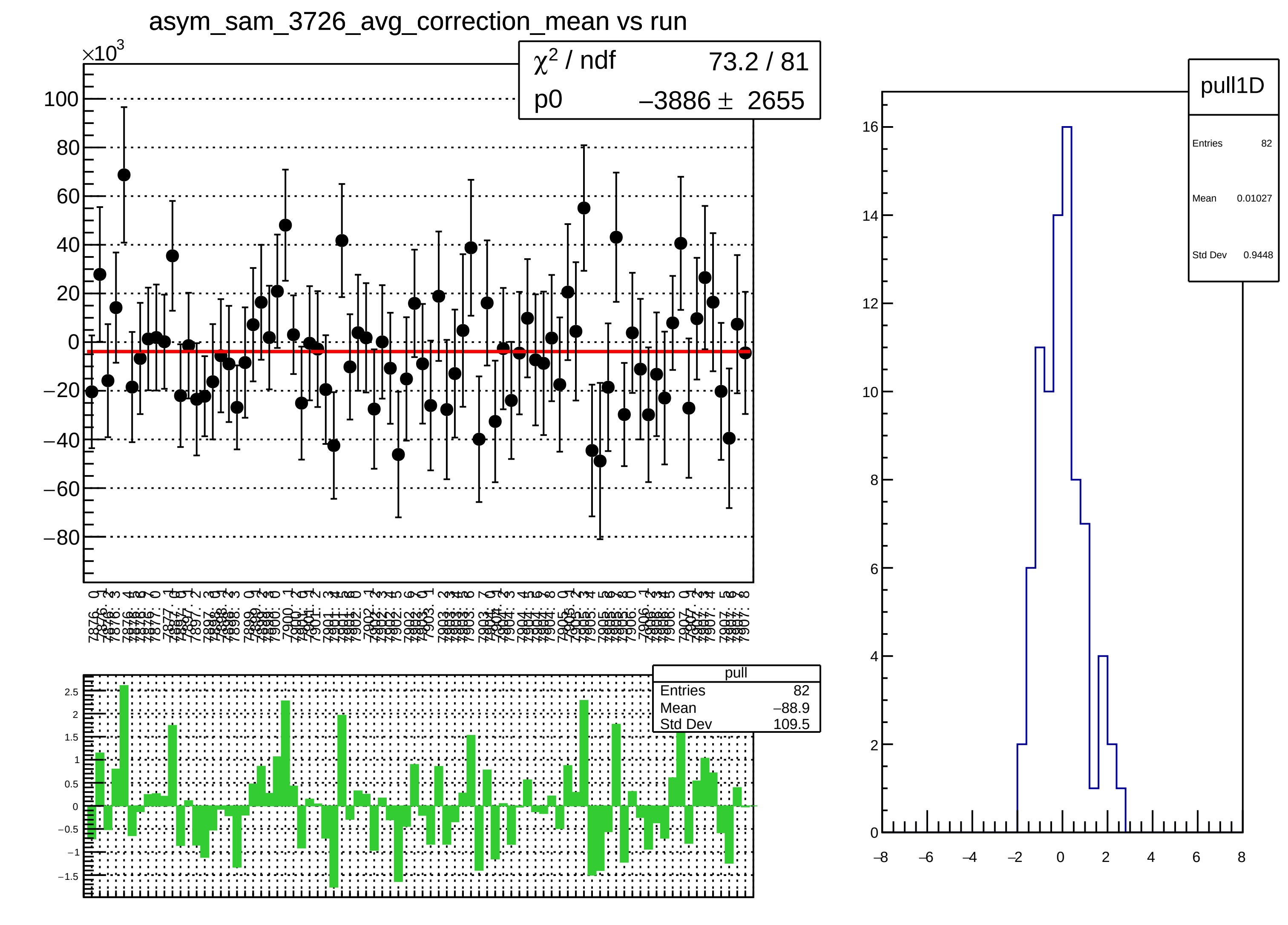
asym_sam_1526_avg_rms vs run
χ^2 / ndf 9805 / 81
p0 1088 ± 0.8654
1400
1300
1200
1100
1000
900

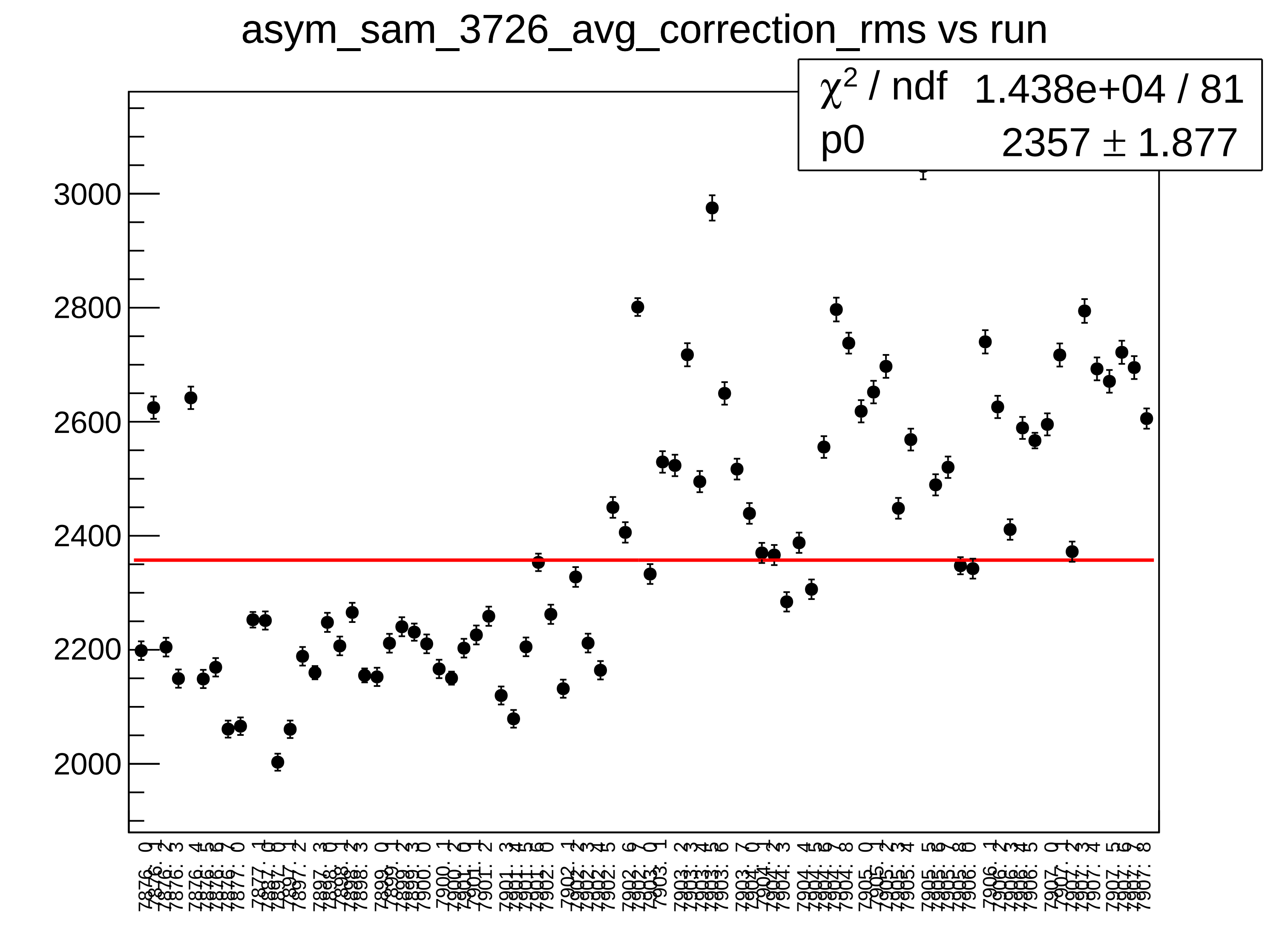


dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 81.44 / 81
p0 −155.3 ± 315.1
pull
Entries 82
Mean −241.8
Std Dev 275.3
pull1D
Entries 82
Mean 0.01468
Std Dev 0.9965

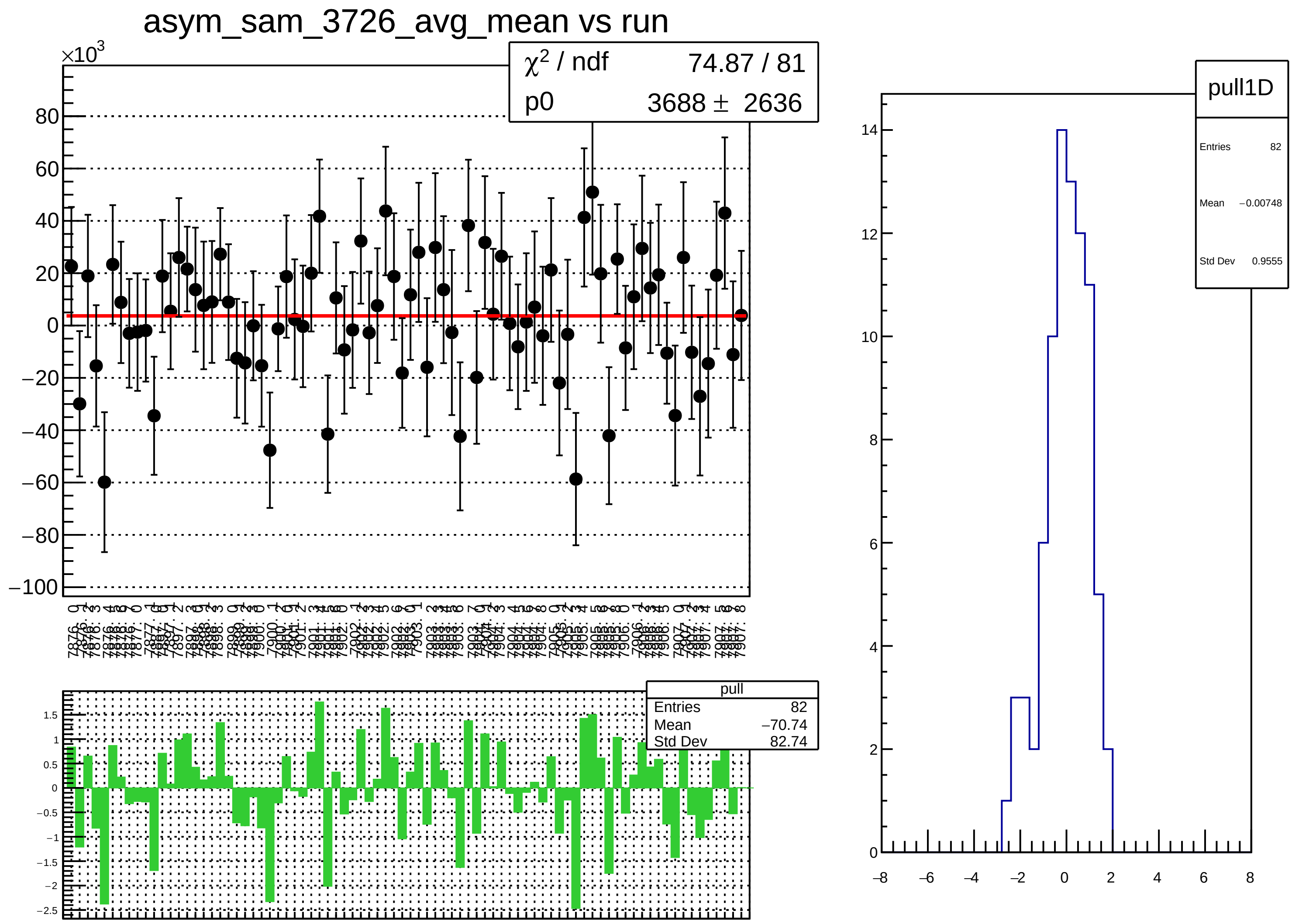


dit_asym_sam_3726_avg_rms vs run
χ2 / ndf 2.002e+04 / 81
p0 279.3 ± 0.2228
380
360
340
320
300
280
260
240
220
200

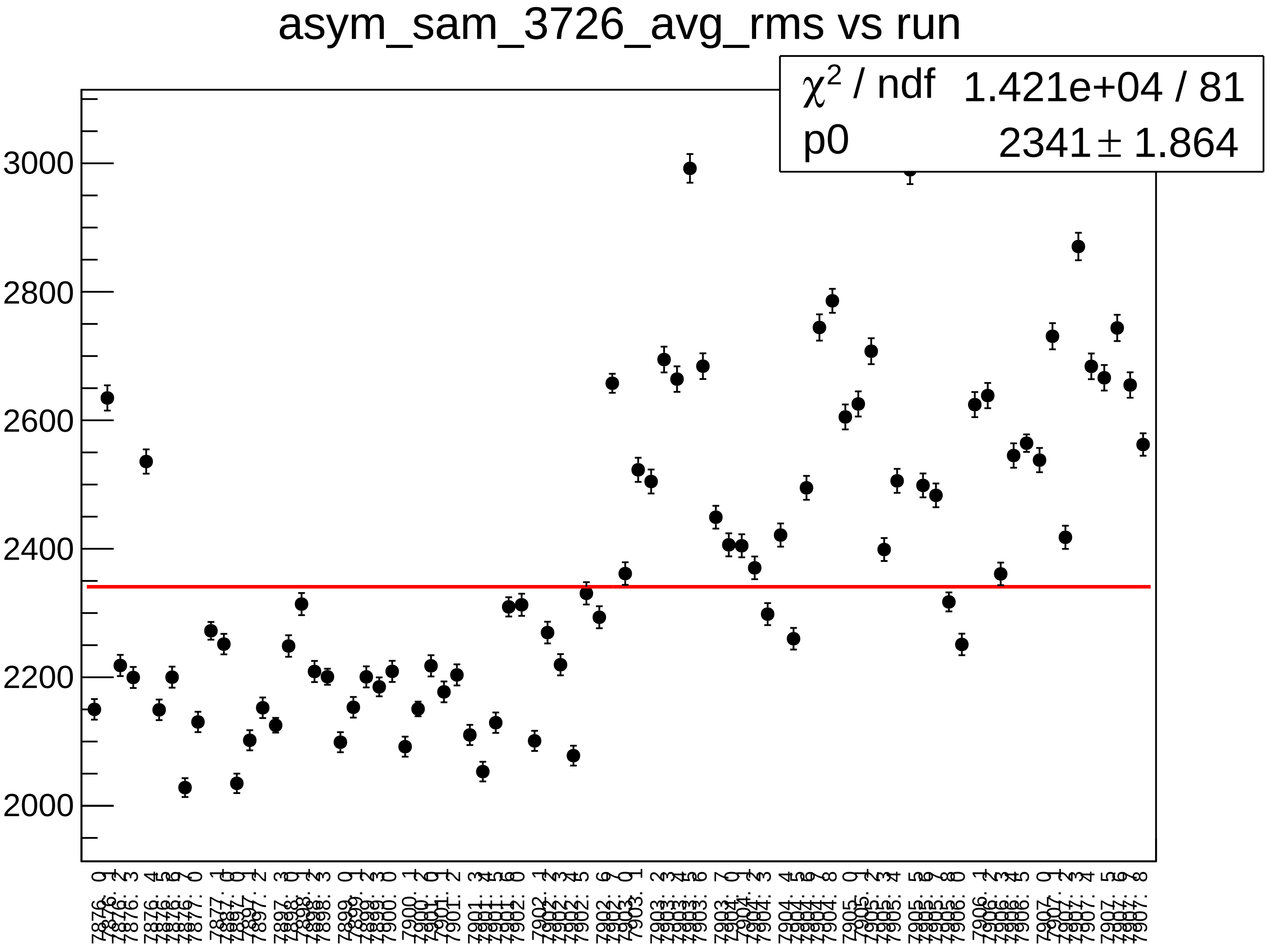

asym_sam_3726_avg_correction_mean vs run
×10^3
χ^2 / ndf 73.2 / 81
p0 −3886 ± 2655
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 82
Mean −88.9
Std Dev 109.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01027
Std Dev 0.9448
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



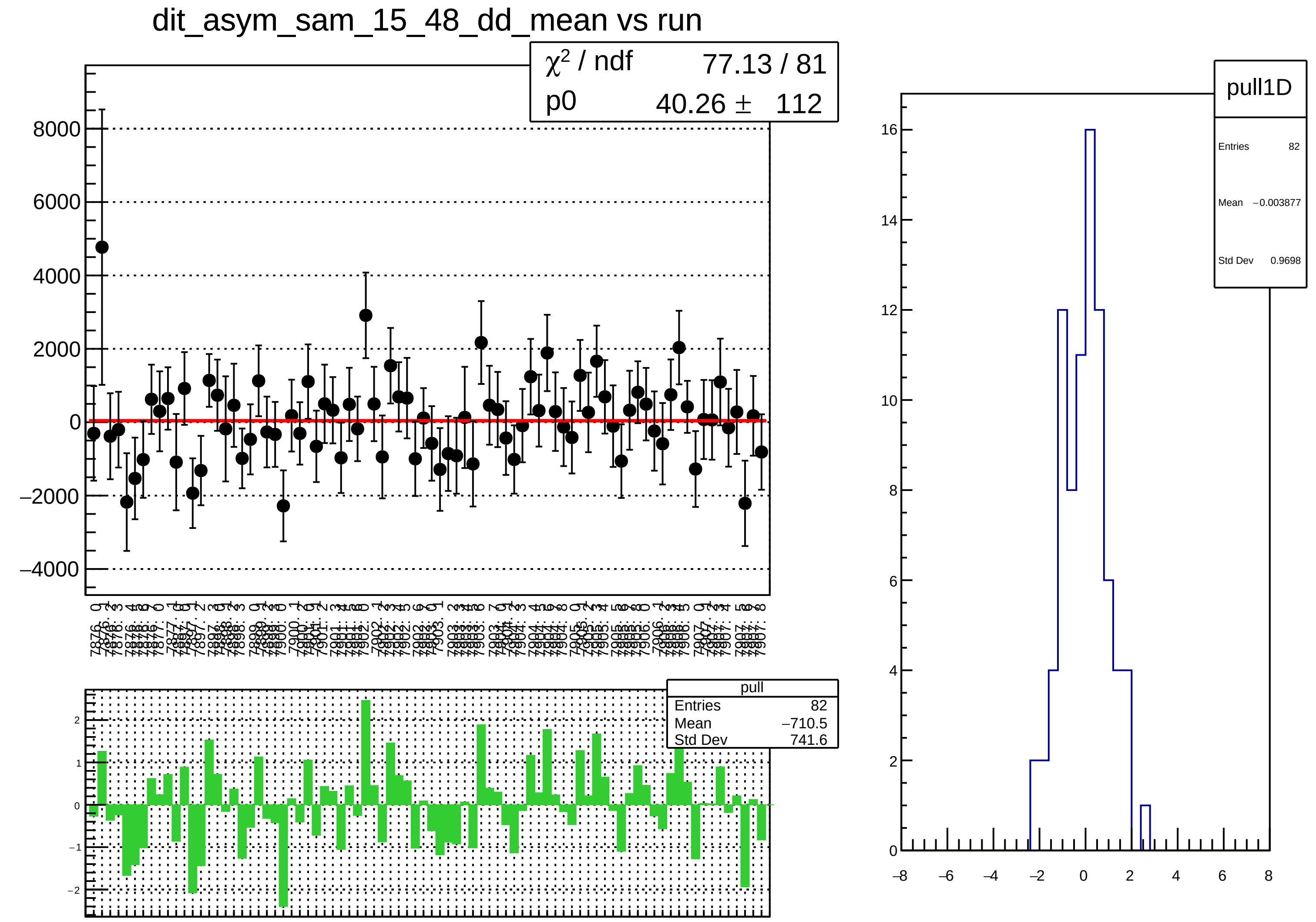
asym_sam_3726_avg_correction_rms vs run
χ2 / ndf 1.438e+04 / 81
p0 2357 ± 1.877
3000
2800
2600
2400
2200
2000



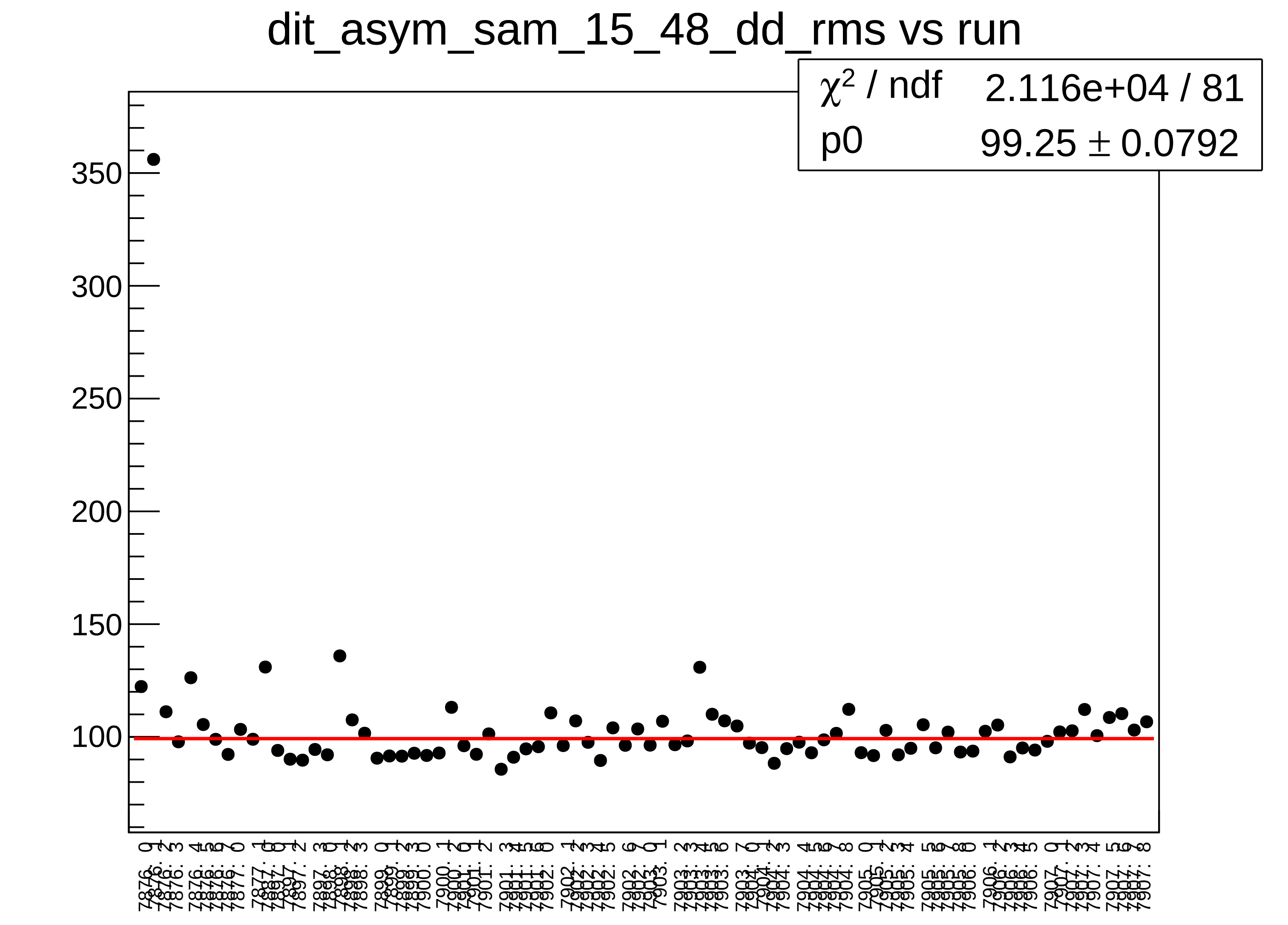
asym_sam_3726_avg_mean vs run
×10^3
χ^2 / ndf 74.87 / 81
p0 3688 ± 2636
pull
Entries 82
Mean −70.74
Std Dev 82.74
pull1D
Entries 82
Mean −0.00748
Std Dev 0.9555



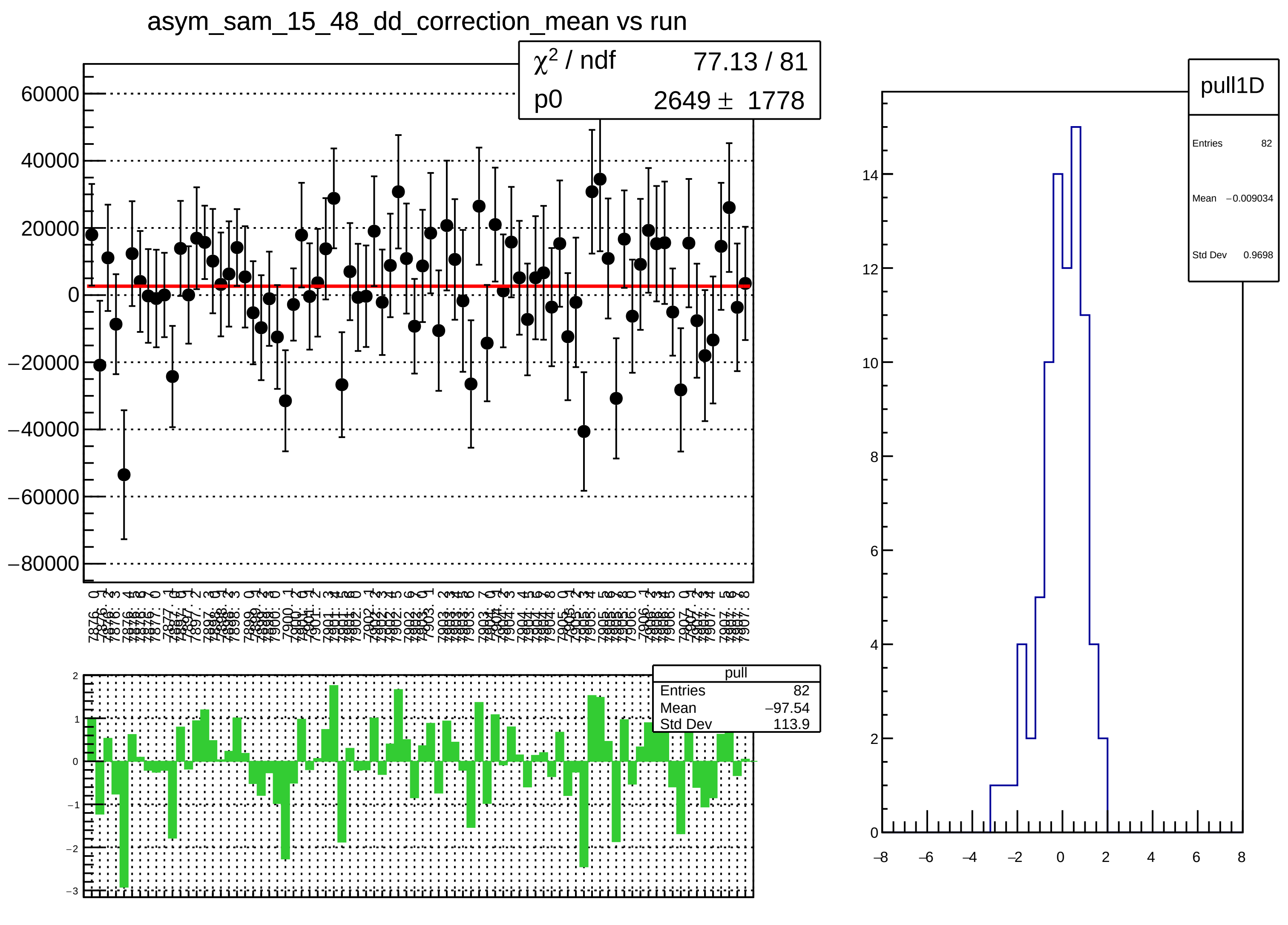
asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.421e+04 / 81
p0 2341 ± 1.864
3000
2800
2600
2400
2200
2000



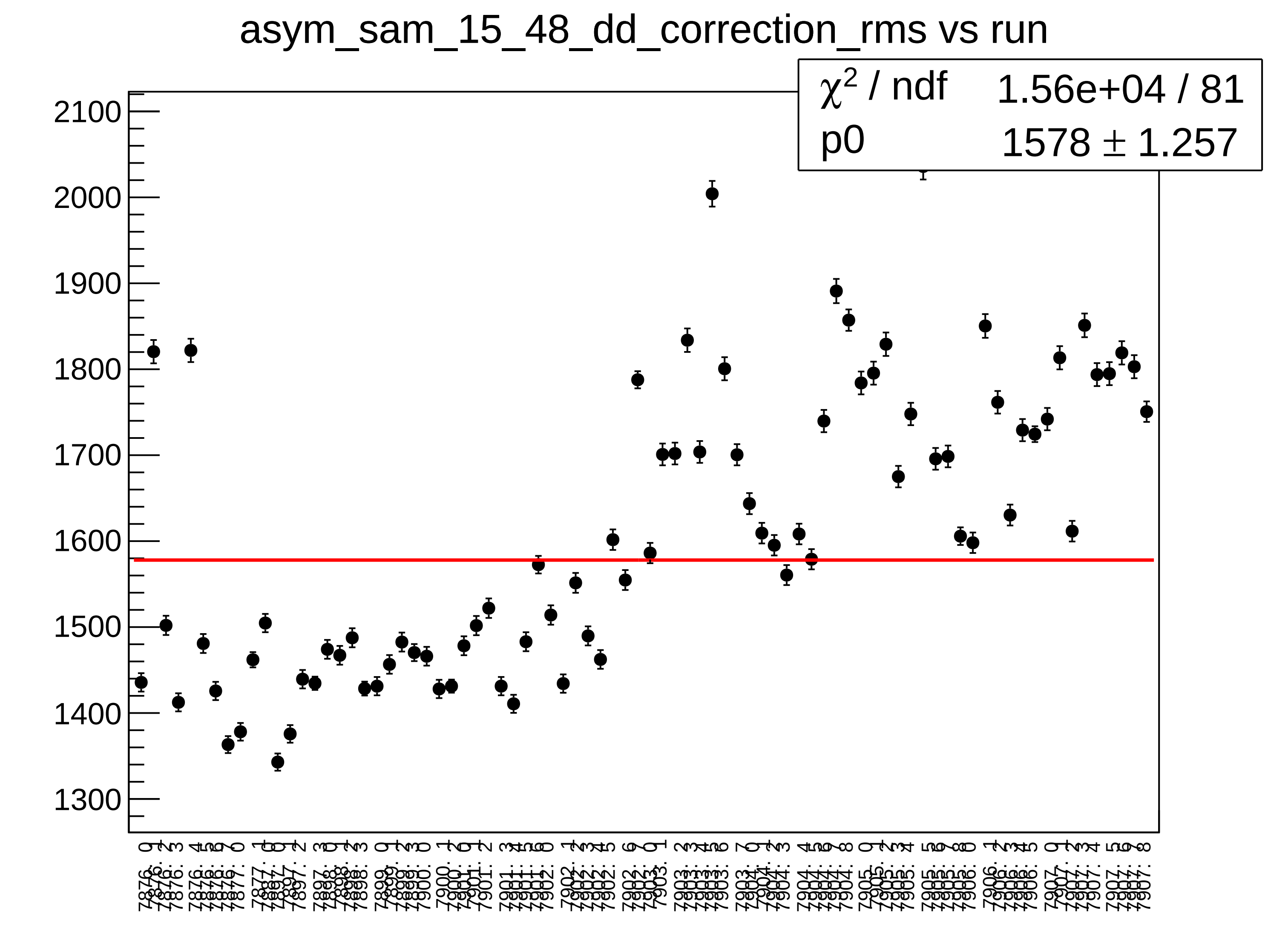
dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 77.13 / 81
p0 40.26 ± 112
pull
Entries 82
Mean −710.5
Std Dev 741.6
pull1D
Entries 82
Mean −0.003877
Std Dev 0.9698



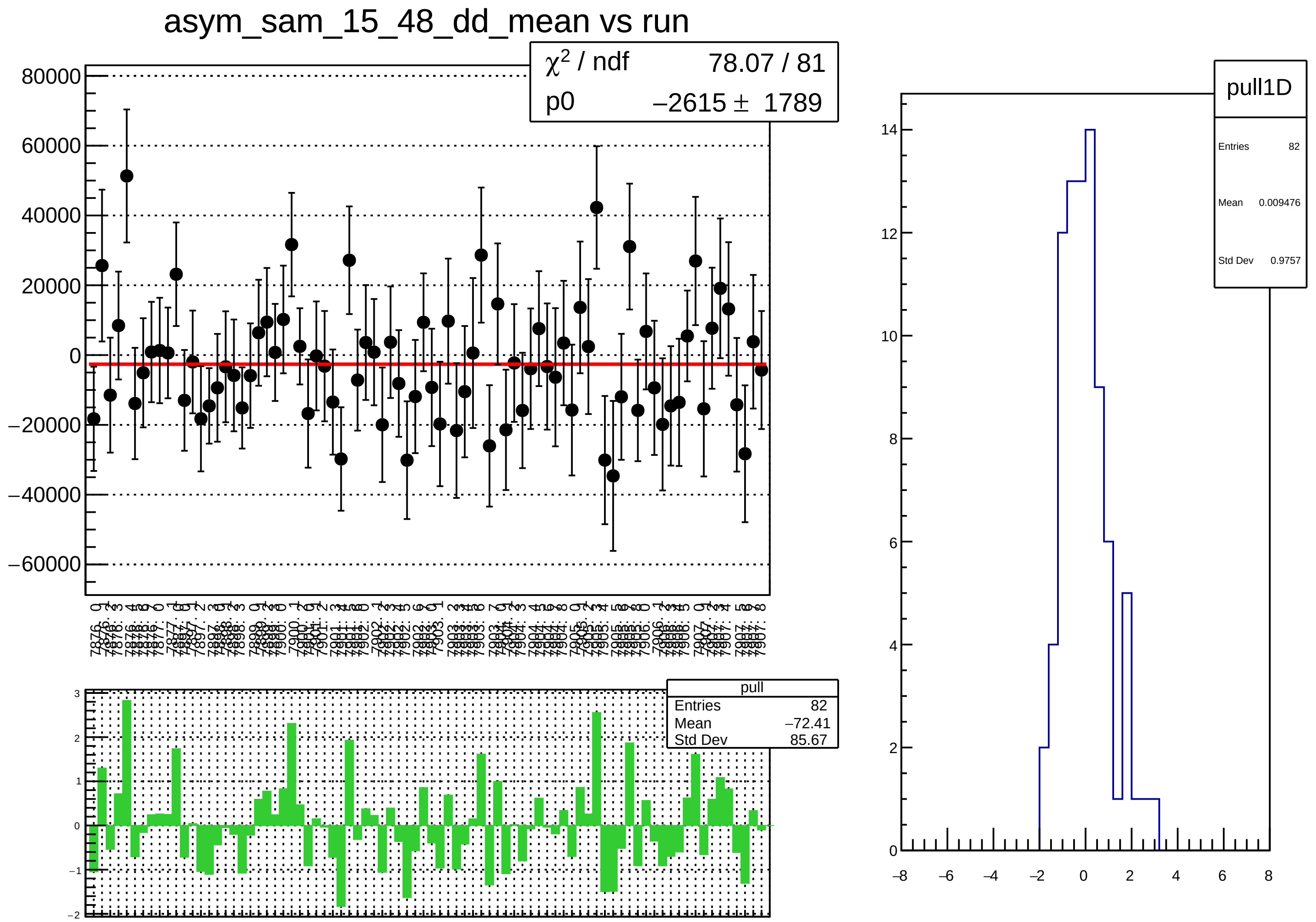
dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.116e+04 / 81
p0 99.25 ± 0.0792
350
300
250
200
150
100



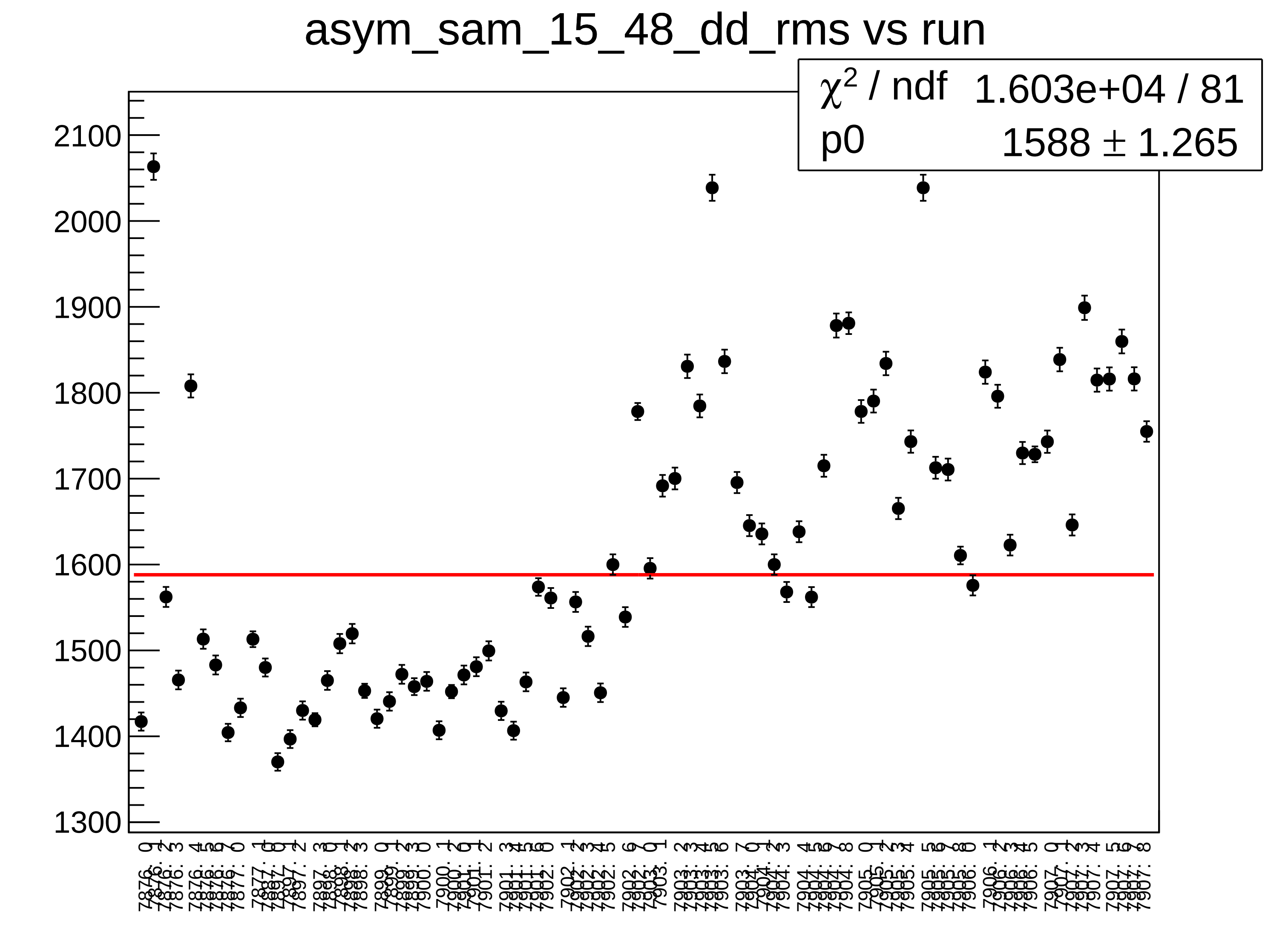
asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 77.13 / 81
p0 2649 ± 1778
pull
Entries 82
Mean −97.54
Std Dev 113.9
pull1D
Entries 82
Mean −0.009034
Std Dev 0.9698



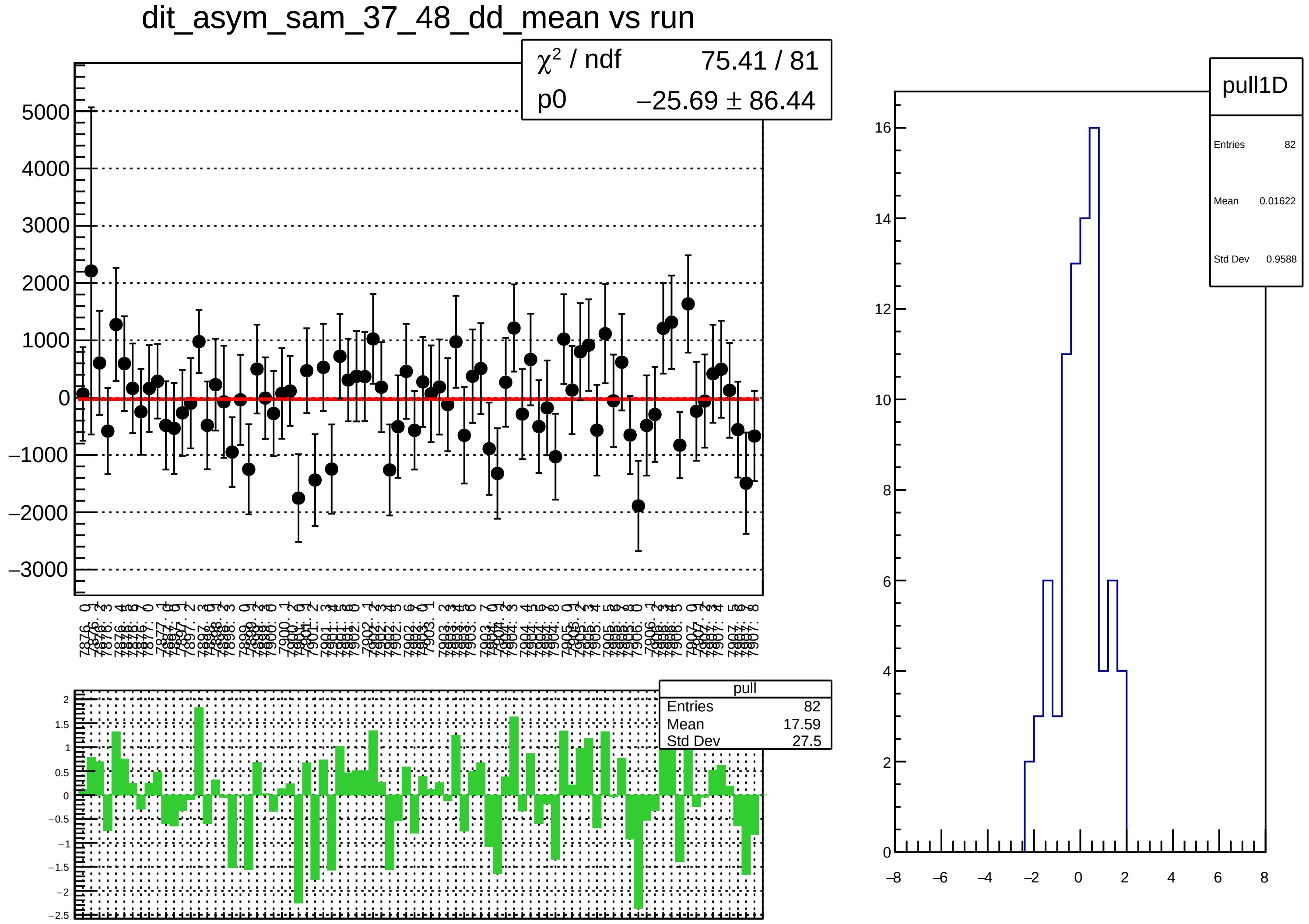
asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 1.56e+04 / 81
p0 1578 ± 1.257
2100
2000
1900
1800
1700
1600
1500
1400
1300

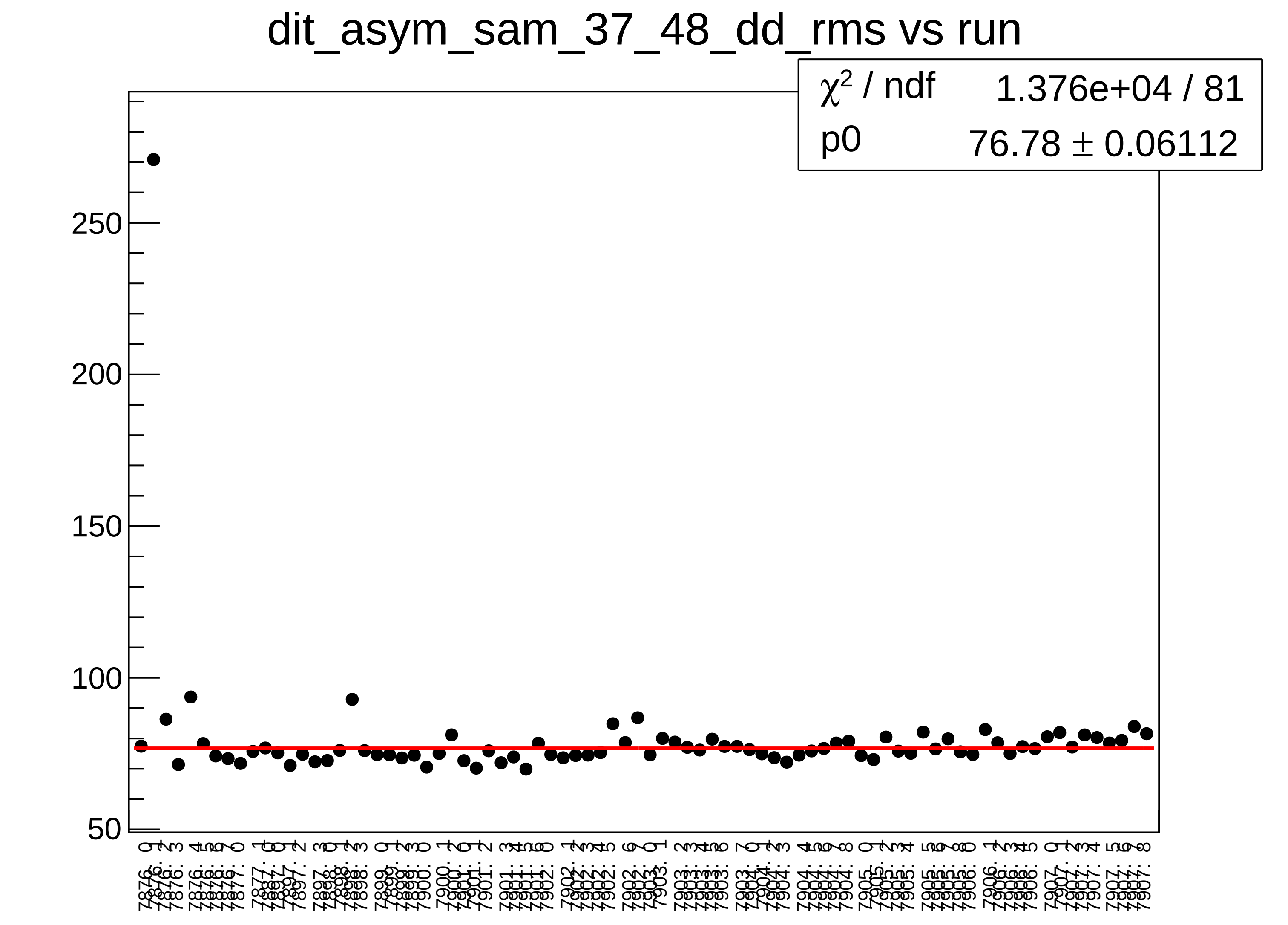


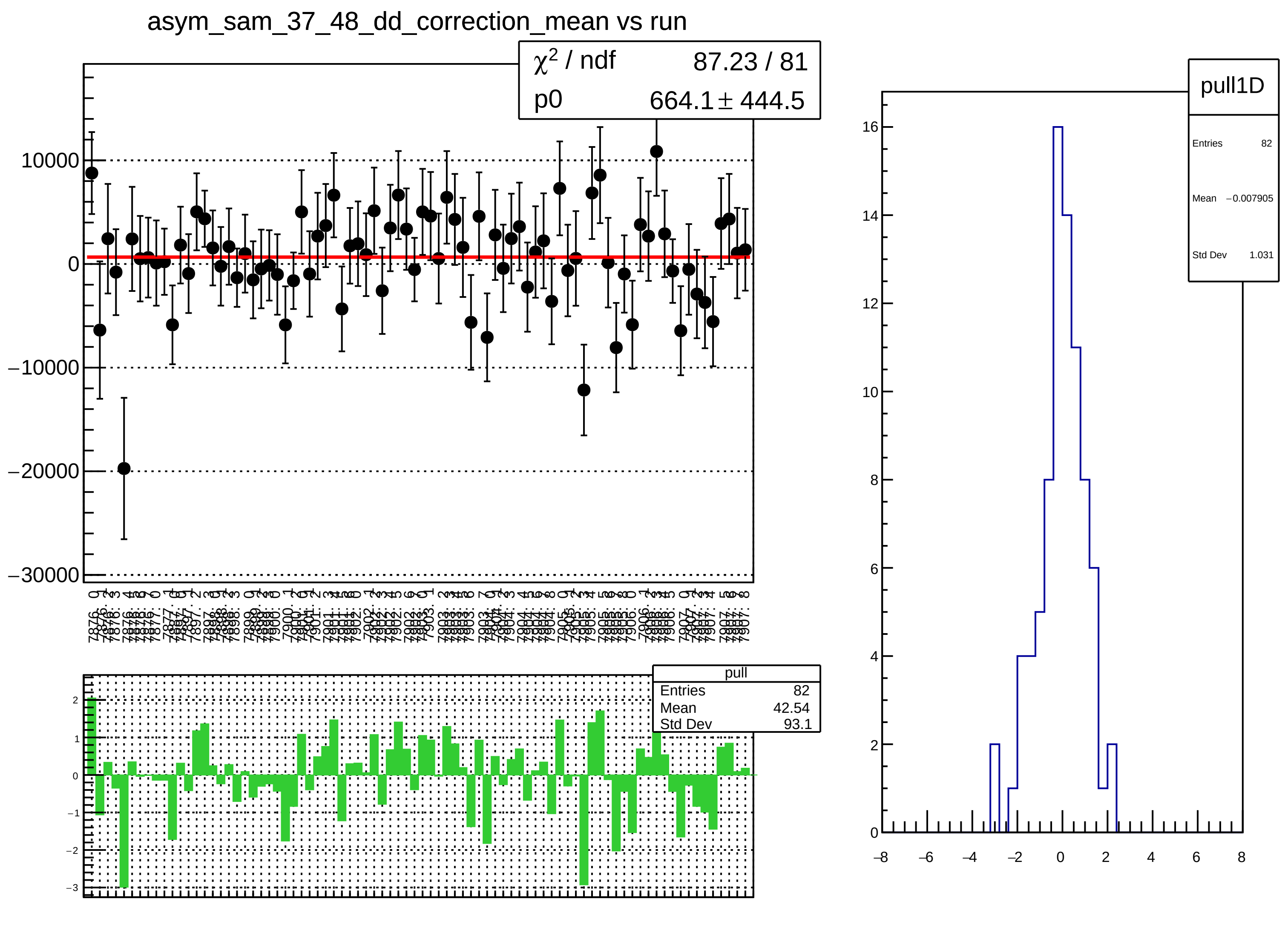
asym_sam_15_48_dd_mean vs run
χ2 / ndf 78.07 / 81
p0 −2615 ± 1789
pull
Entries 82
Mean −72.41
Std Dev 85.67
pull1D
Entries 82
Mean 0.009476
Std Dev 0.9757

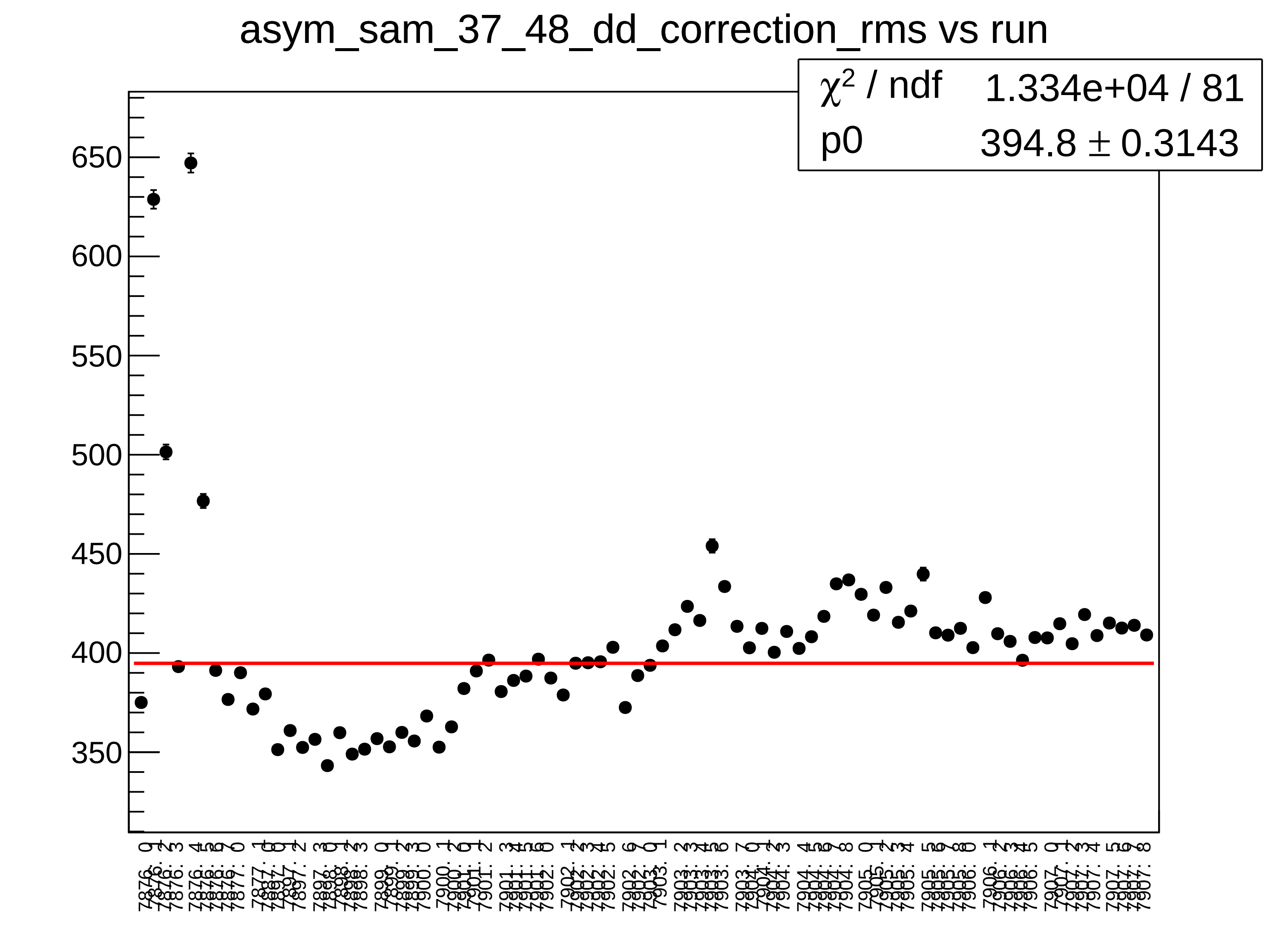


asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.603e+04 / 81
p0 1588 ± 1.265
2100
2000
1900
1800
1700
1600
1500
1400
1300

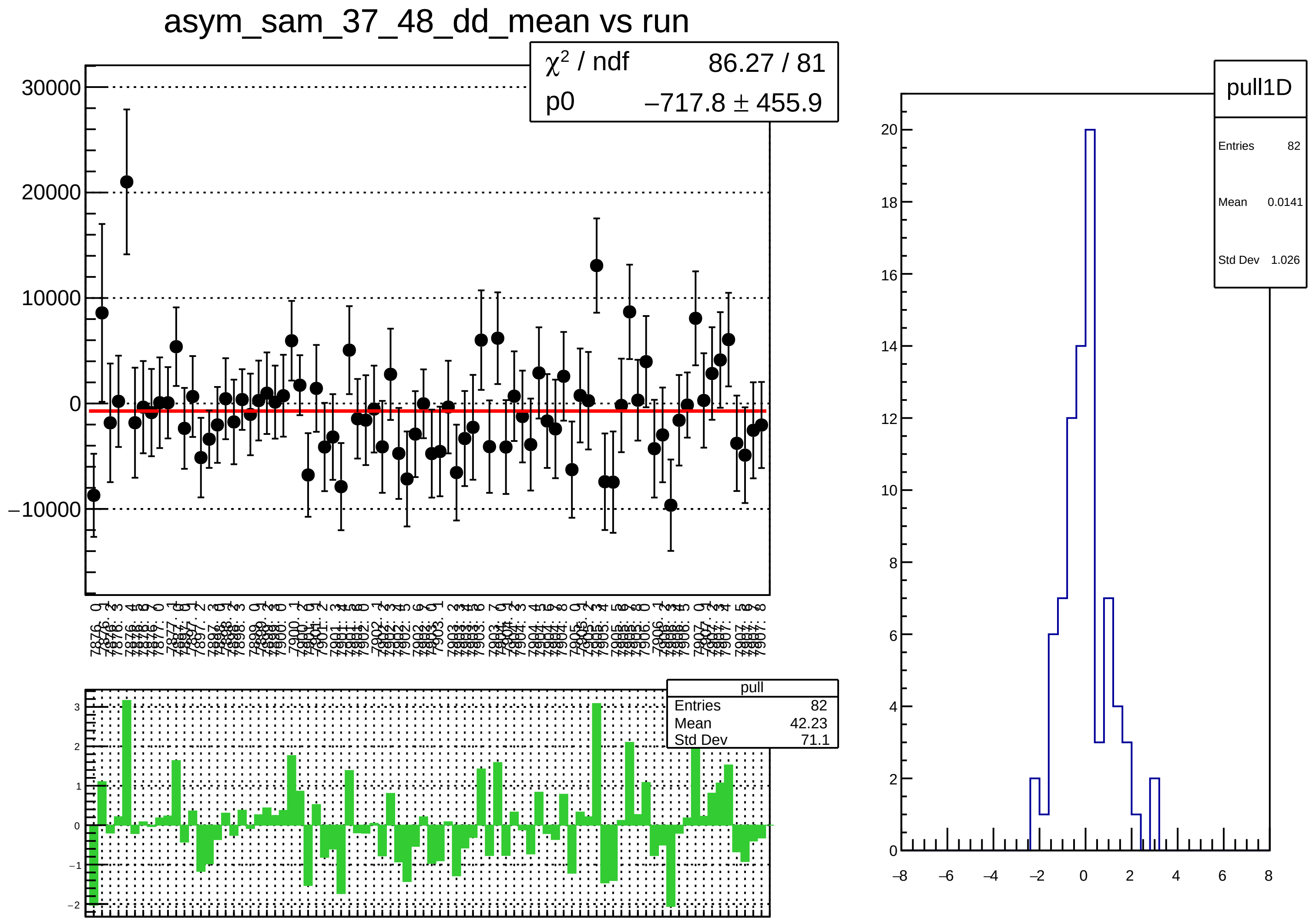

dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 75.41 / 81
p0 −25.69 ± 86.44
pull
Entries 82
Mean 17.59
Std Dev 27.5
pull1D
Entries 82
Mean 0.01622
Std Dev 0.9588


dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.376e+04 / 81
p0 76.78 ± 0.06112
250
200
150
100
50

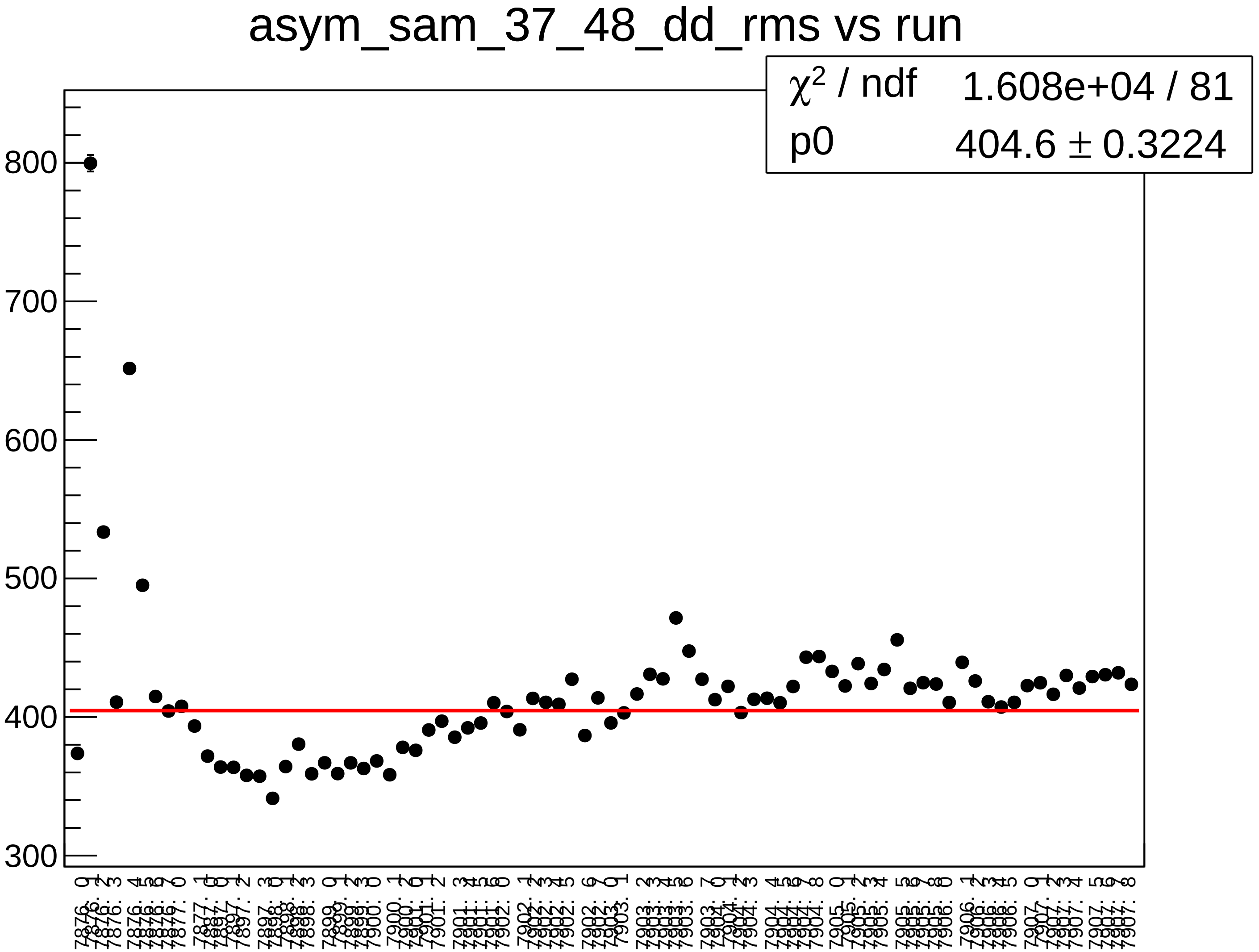

asym_sam_37_48_dd_correction_mean vs run
χ2 / ndf 87.23 / 81
p0 664.1 ± 444.5
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 42.54
Std Dev 93.1
pull1D
Entries 82
Mean −0.007905
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



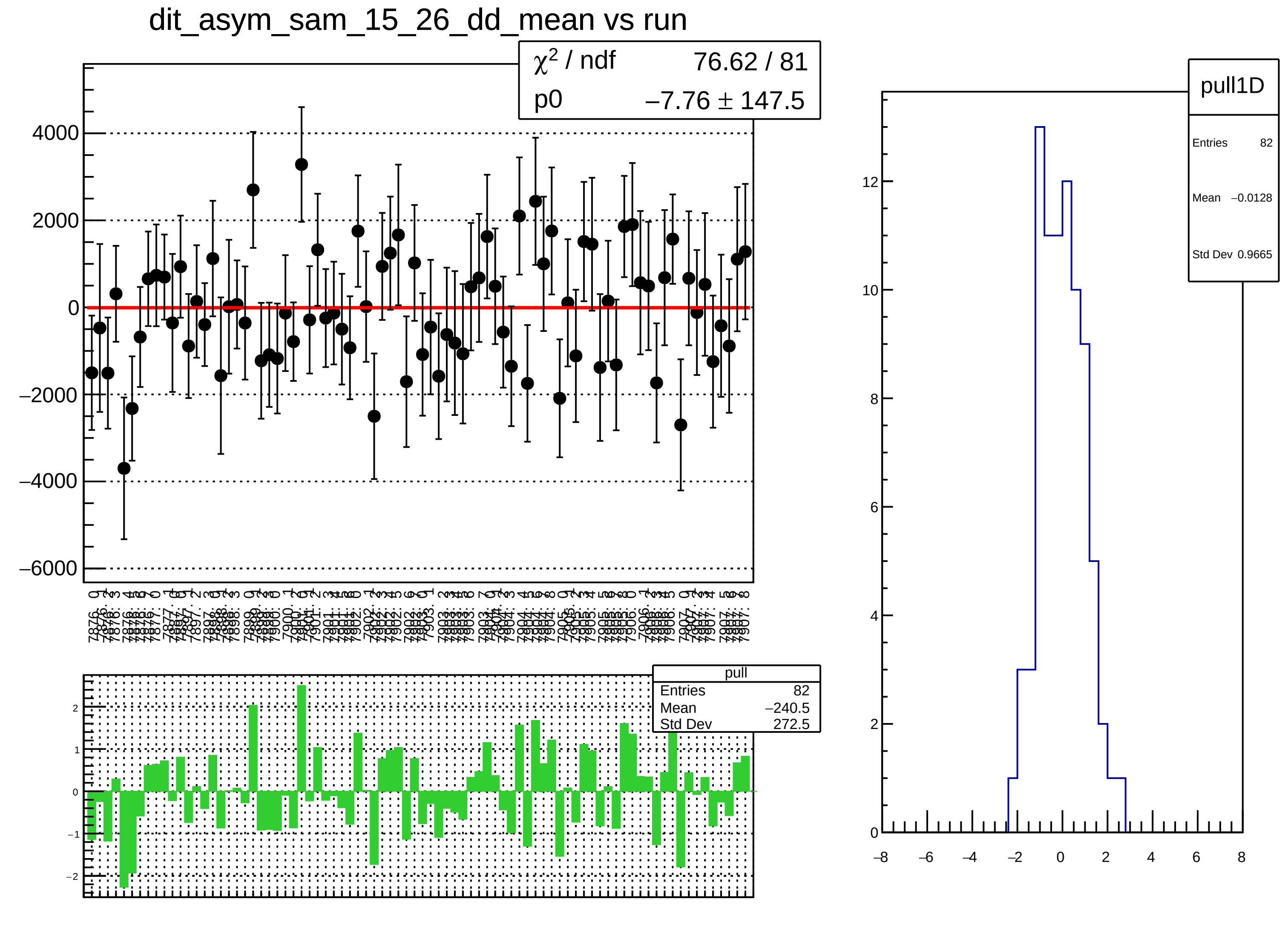
asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 1.334e+04 / 81
p0 394.8 ± 0.3143



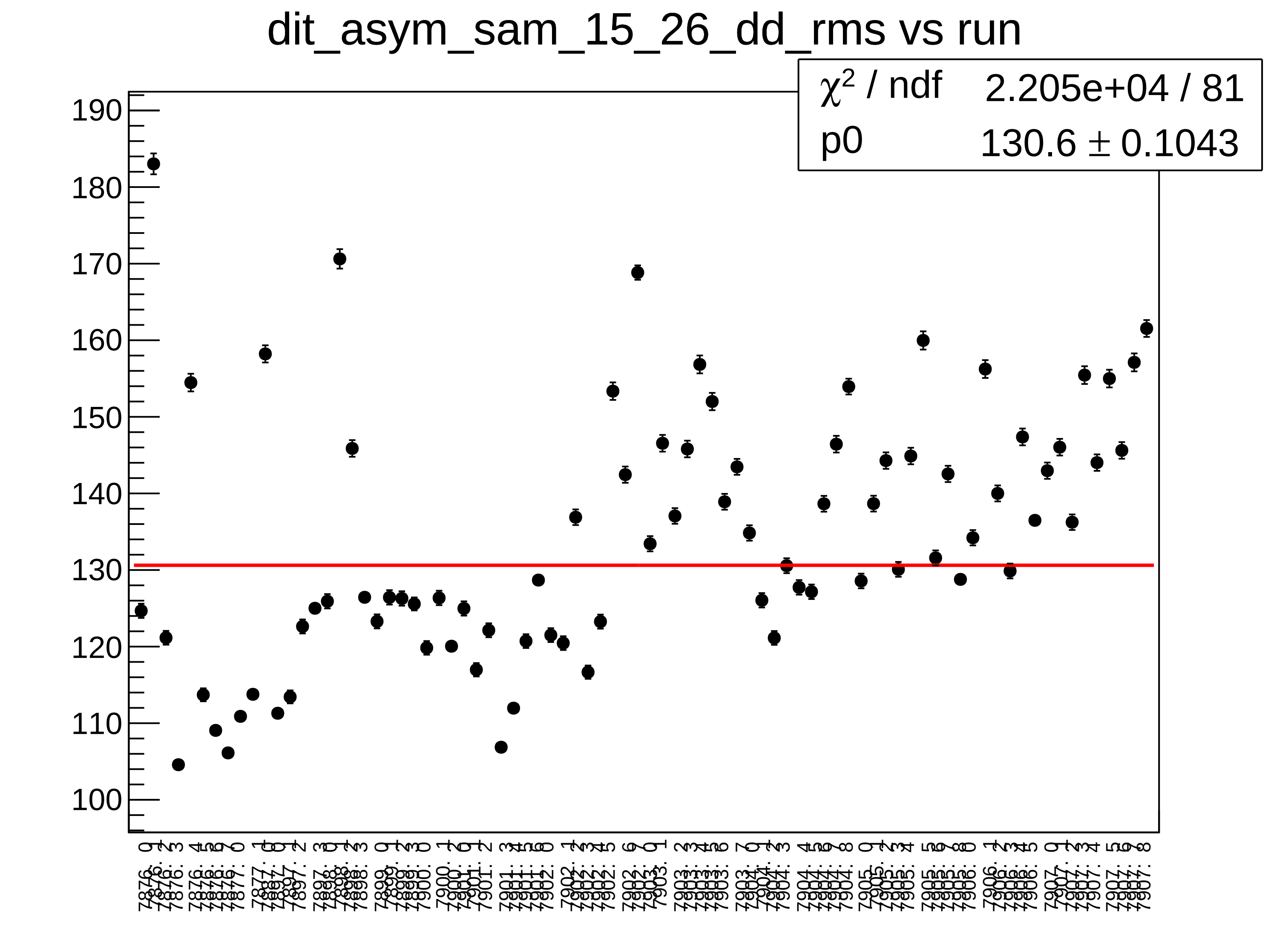
asym_sam_37_48_dd_mean vs run
χ^2 / ndf 86.27 / 81
p0 −717.8 ± 455.9
pull
Entries 82
Mean 42.23
Std Dev 71.1
pull1D
Entries 82
Mean 0.0141
Std Dev 1.026



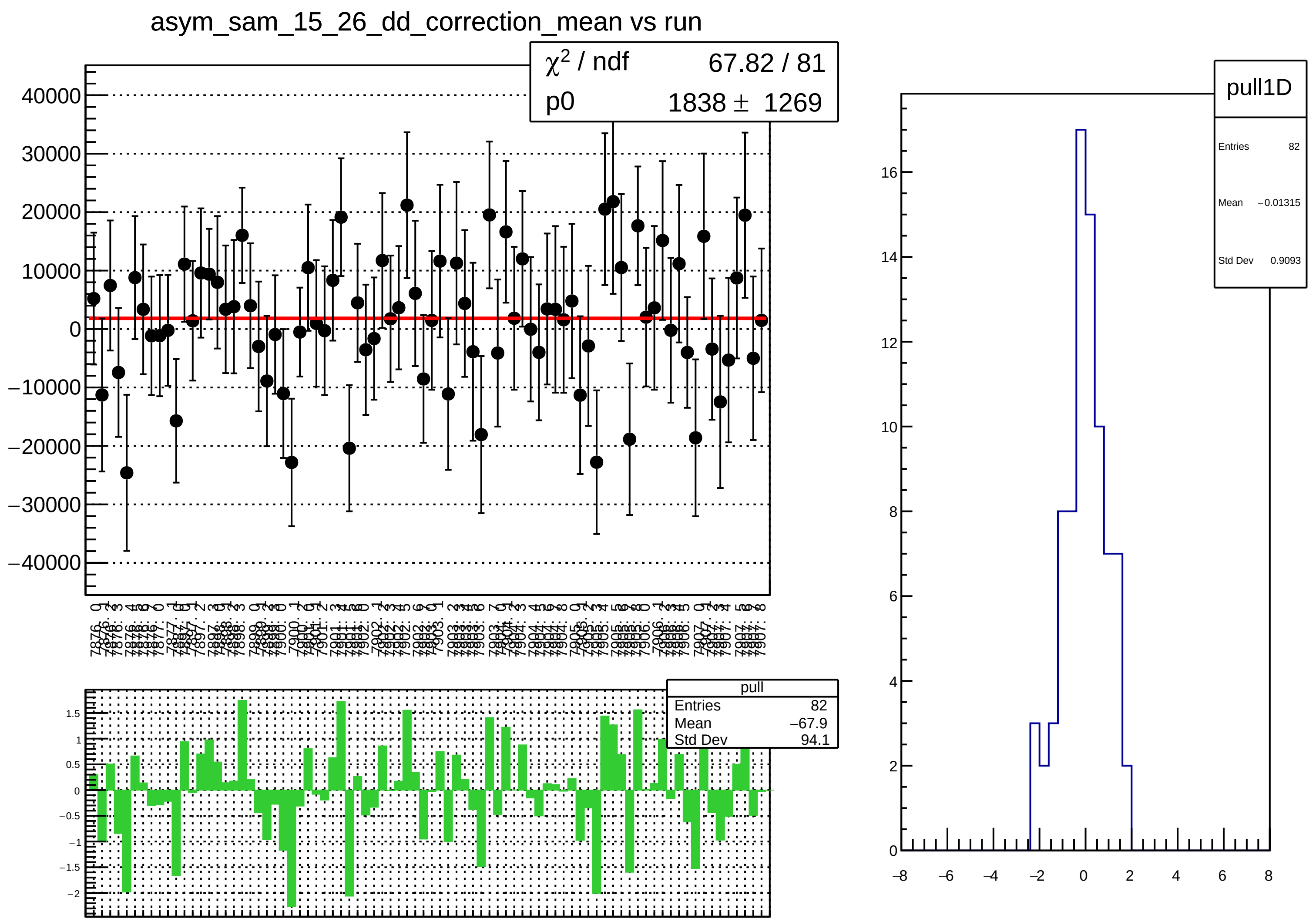
asym_sam_37_48_dd_rms vs run
χ2 / ndf 1.608e+04 / 81
p0 404.6 ± 0.3224
800
700
600
500
400
300



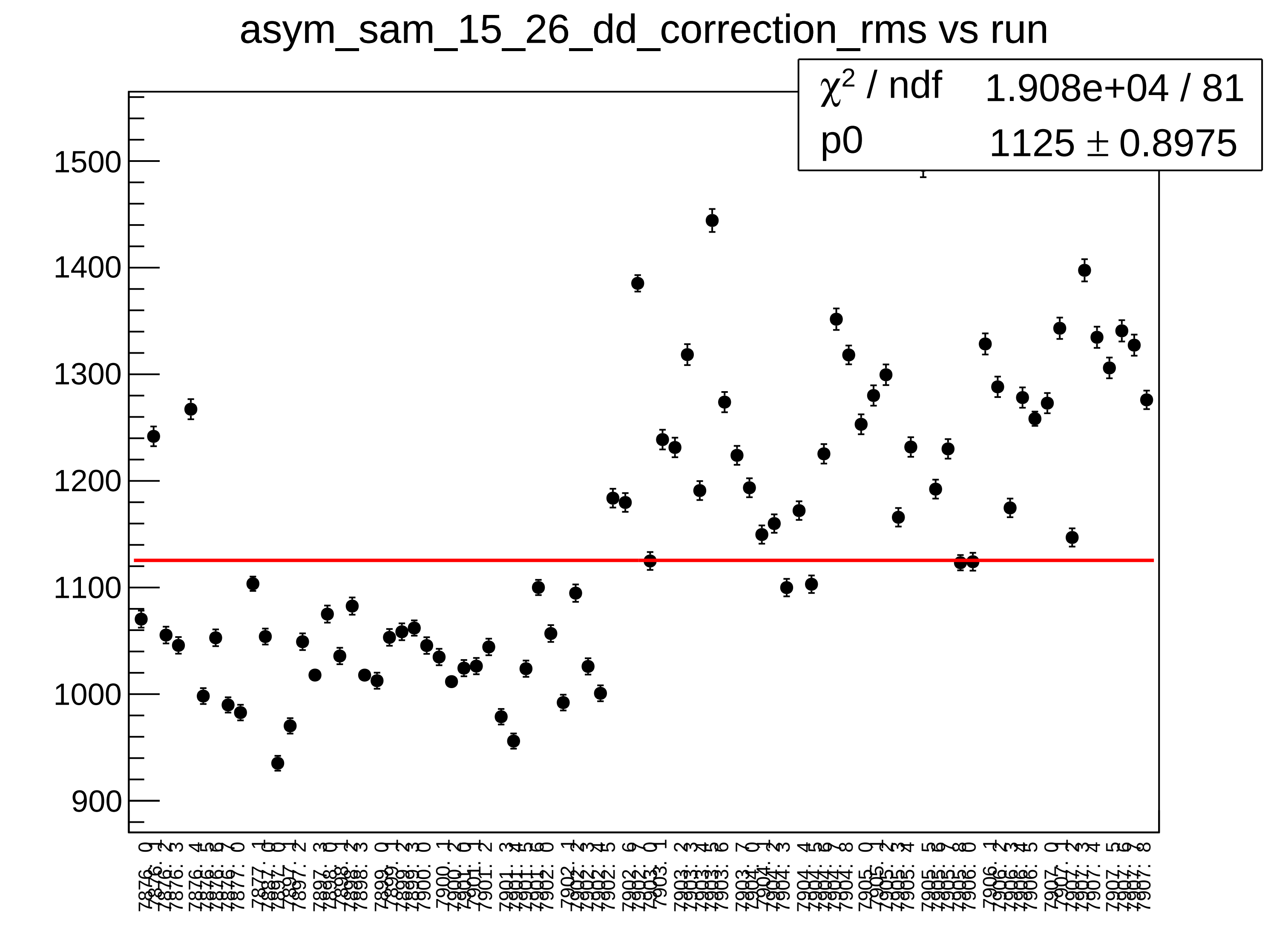
dit_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 76.62 / 81
p0 −7.76 ± 147.5
pull
Entries 82
Mean −240.5
Std Dev 272.5
pull1D
Entries 82
Mean −0.0128
Std Dev 0.9665



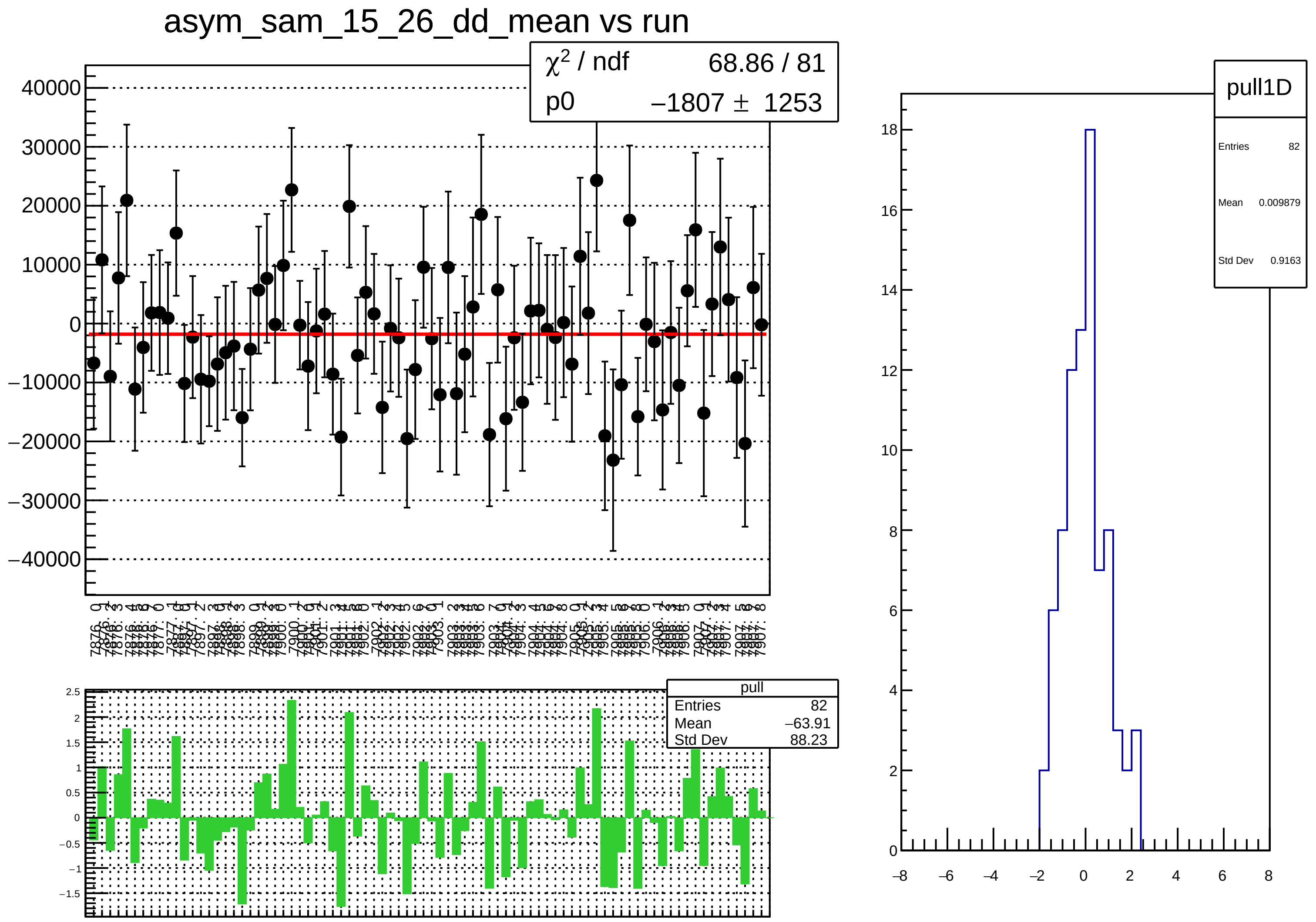
dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 2.205e+04 / 81
p0 130.6 ± 0.1043
190
180
170
160
150
140
130
120
110
100



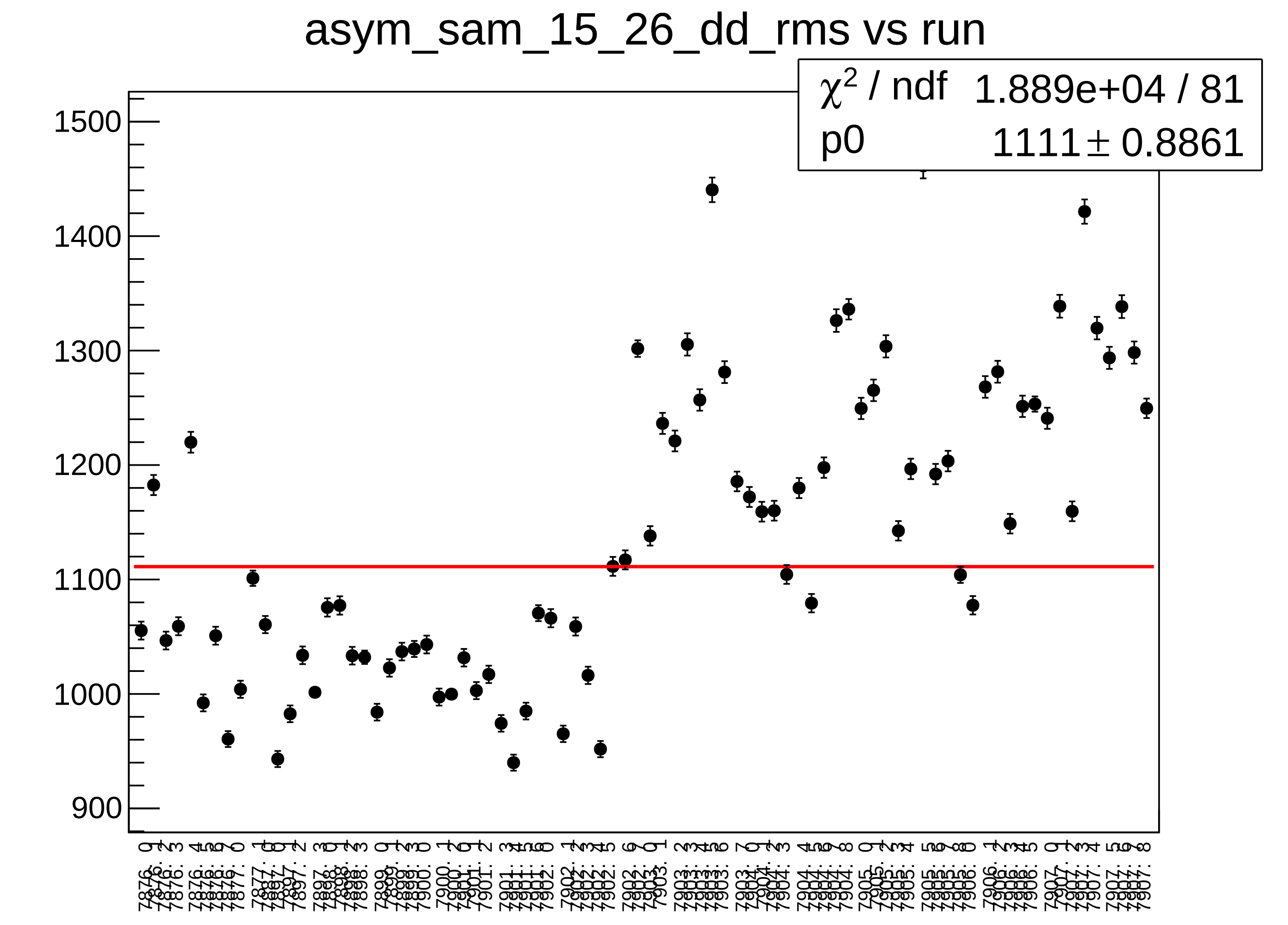
asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 67.82 / 81
p0 1838 ± 1269
pull
Entries 82
Mean −67.9
Std Dev 94.1
pull1D
Entries 82
Mean −0.01315
Std Dev 0.9093

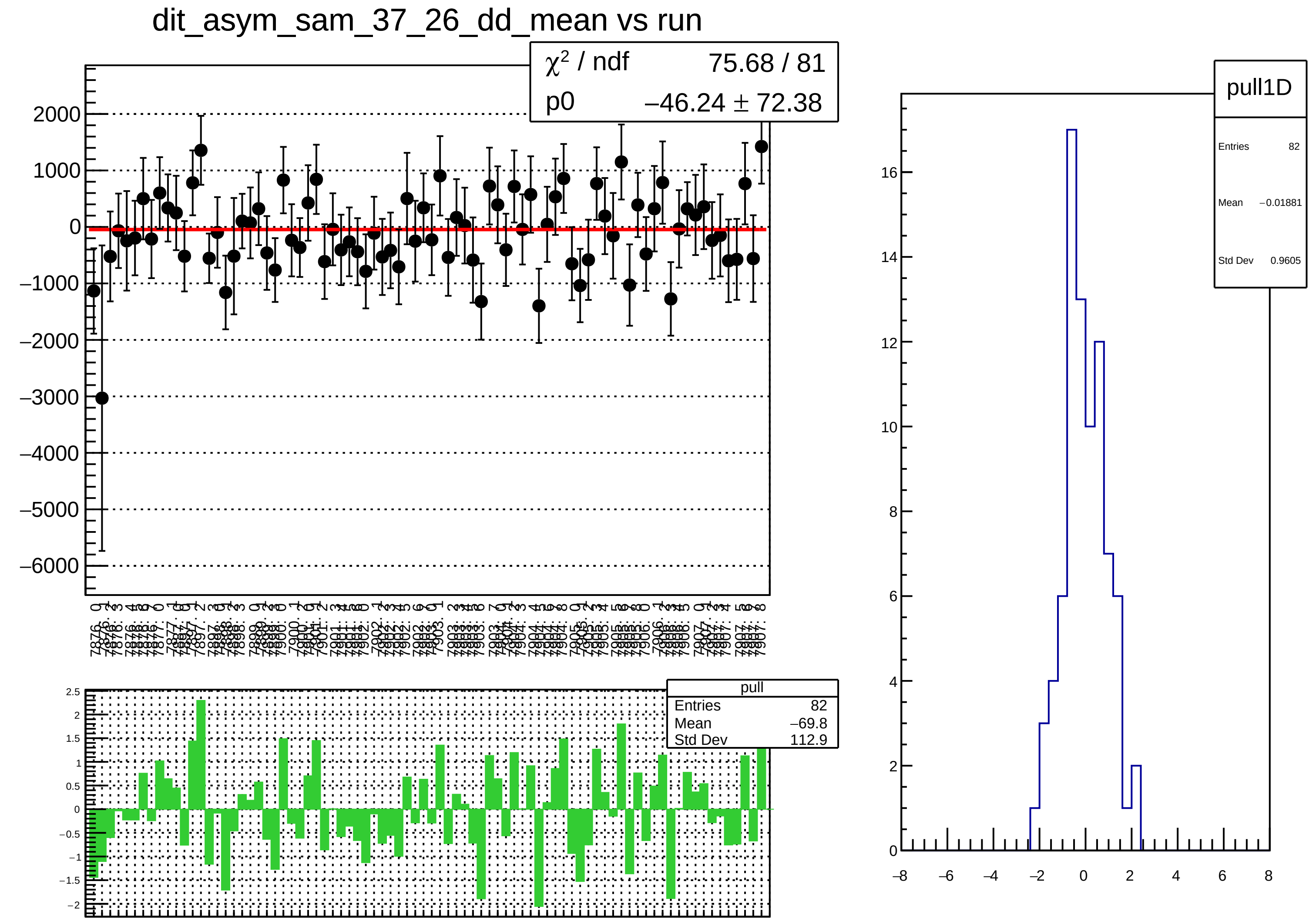


asym_sam_15_26_dd_correction_rms vs run
χ2 / ndf 1.908e+04 / 81
p0 1125 ± 0.8975
1500
1400
1300
1200
1100
1000
900

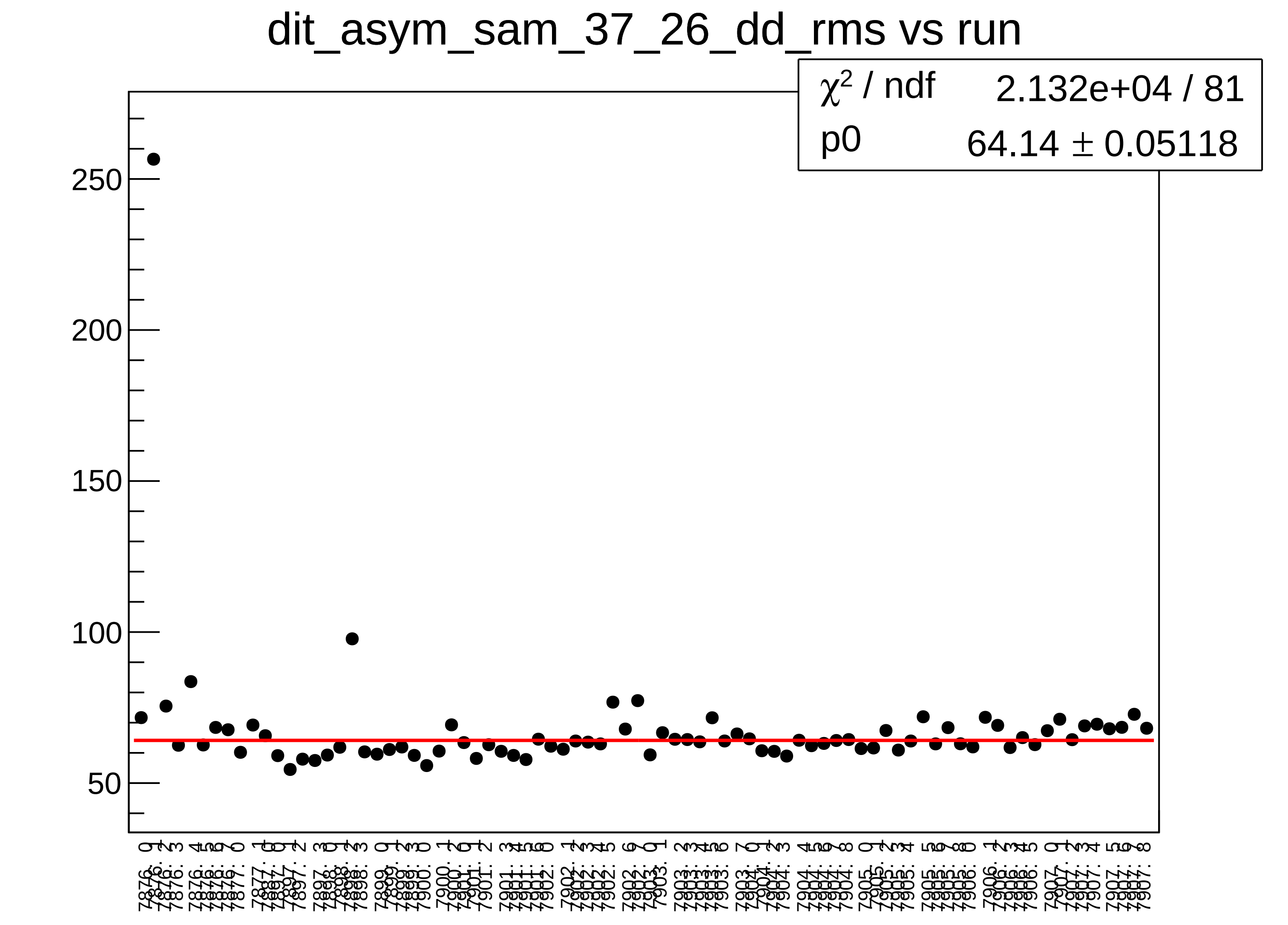


asym_sam_15_26_dd_mean vs run
χ^2 / ndf 68.86 / 81
p0 −1807 ± 1253
pull
Entries 82
Mean −63.91
Std Dev 88.23
pull1D
Entries 82
Mean 0.009879
Std Dev 0.9163

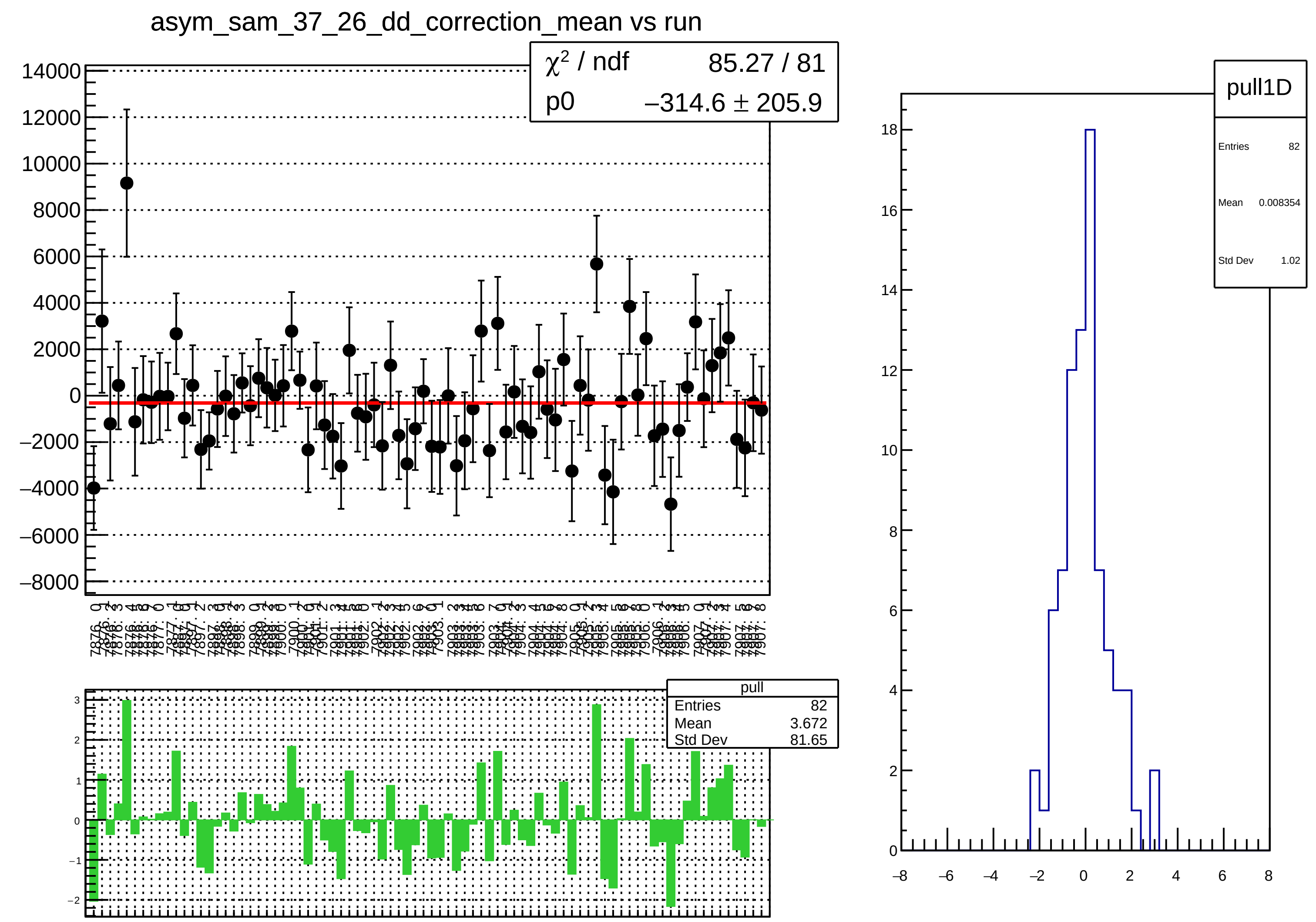

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.889e+04 / 81
p0 1111 ± 0.8861
1500
1400
1300
1200
1100
1000
900



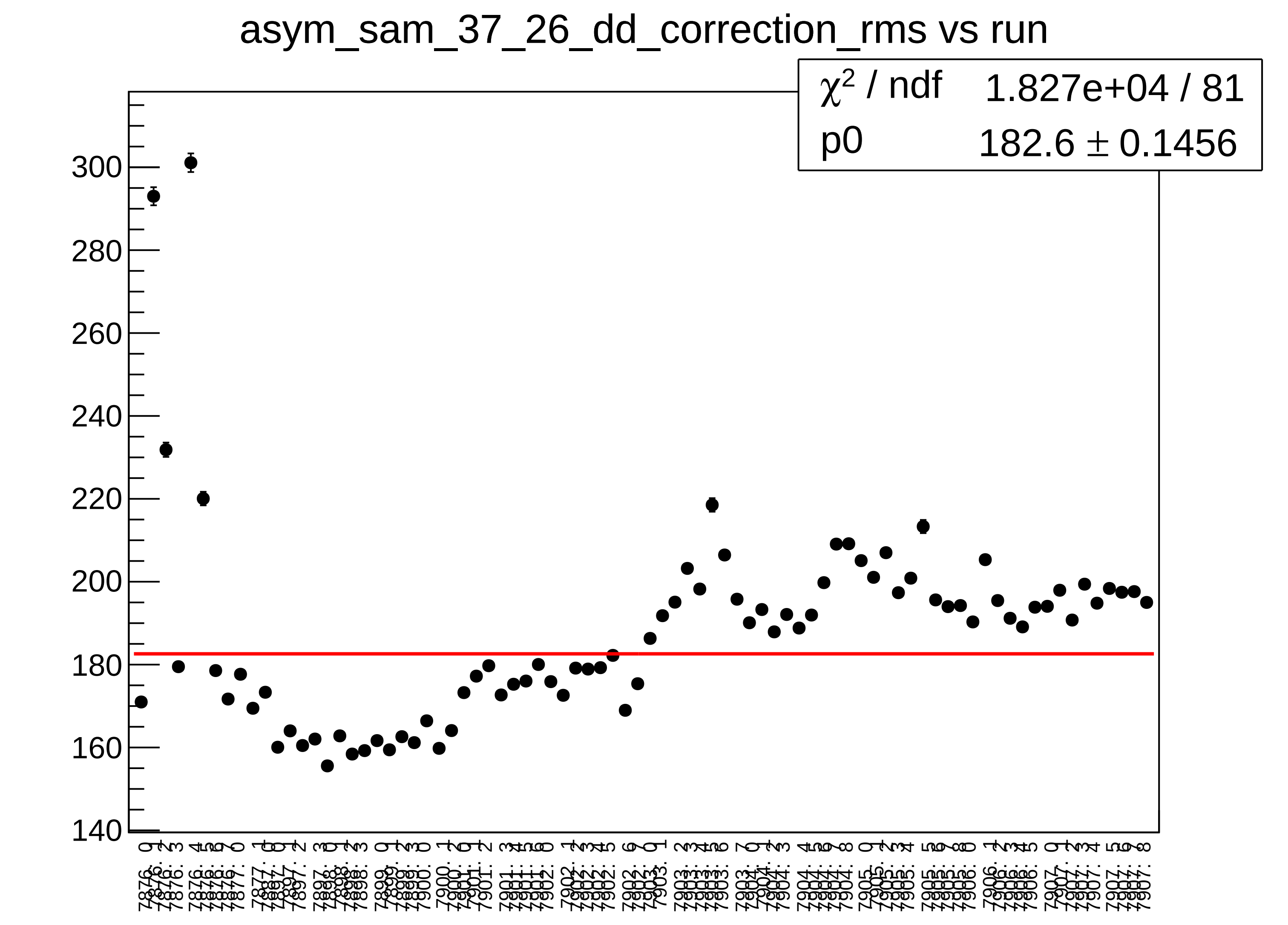
dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.68 / 81
p0 −46.24 ± 72.38
pull
Entries 82
Mean −69.8
Std Dev 112.9
pull1D
Entries 82
Mean −0.01881
Std Dev 0.9605



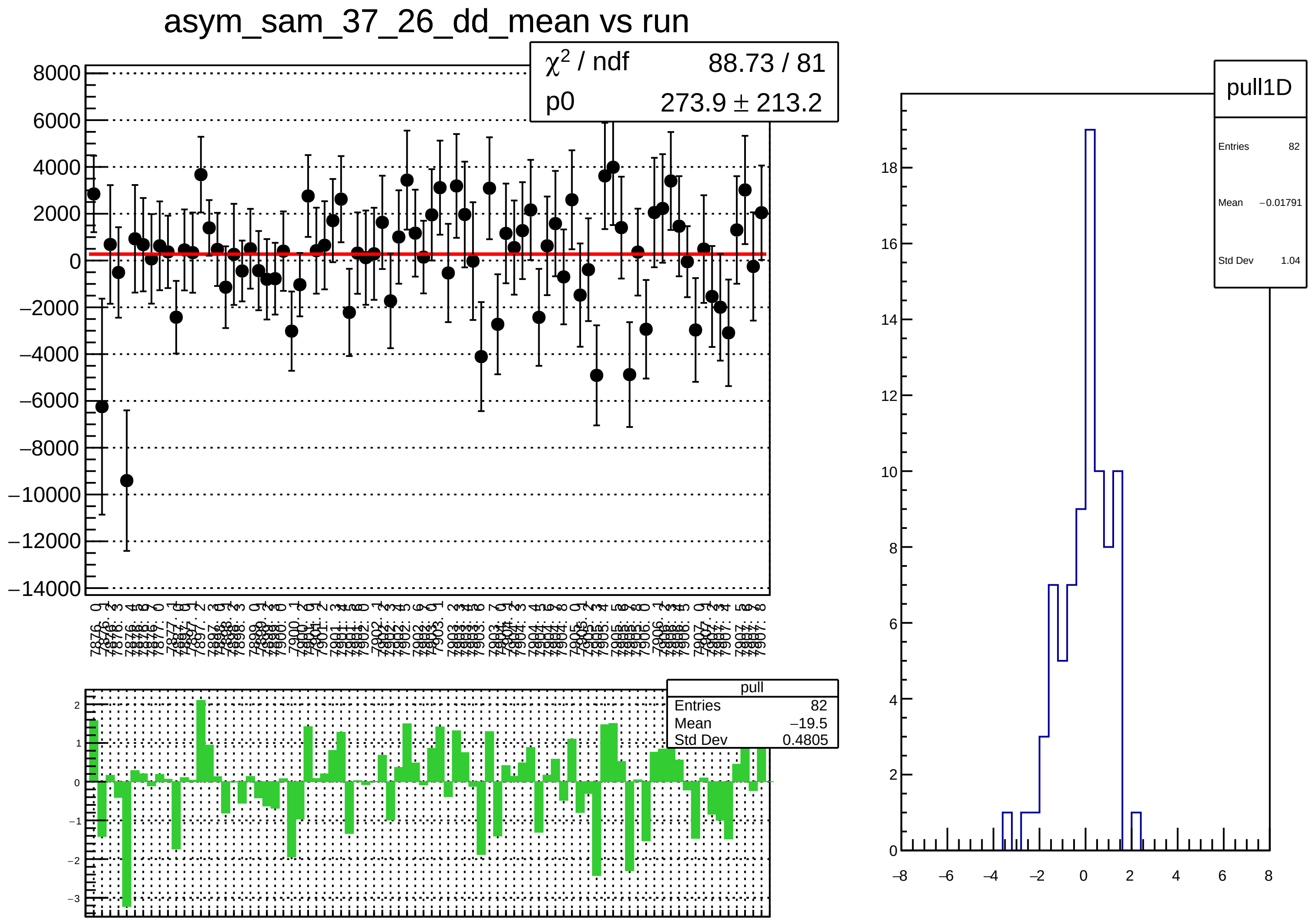
dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2.132e+04 / 81
p0 64.14 ± 0.05118
250
200
150
100
50



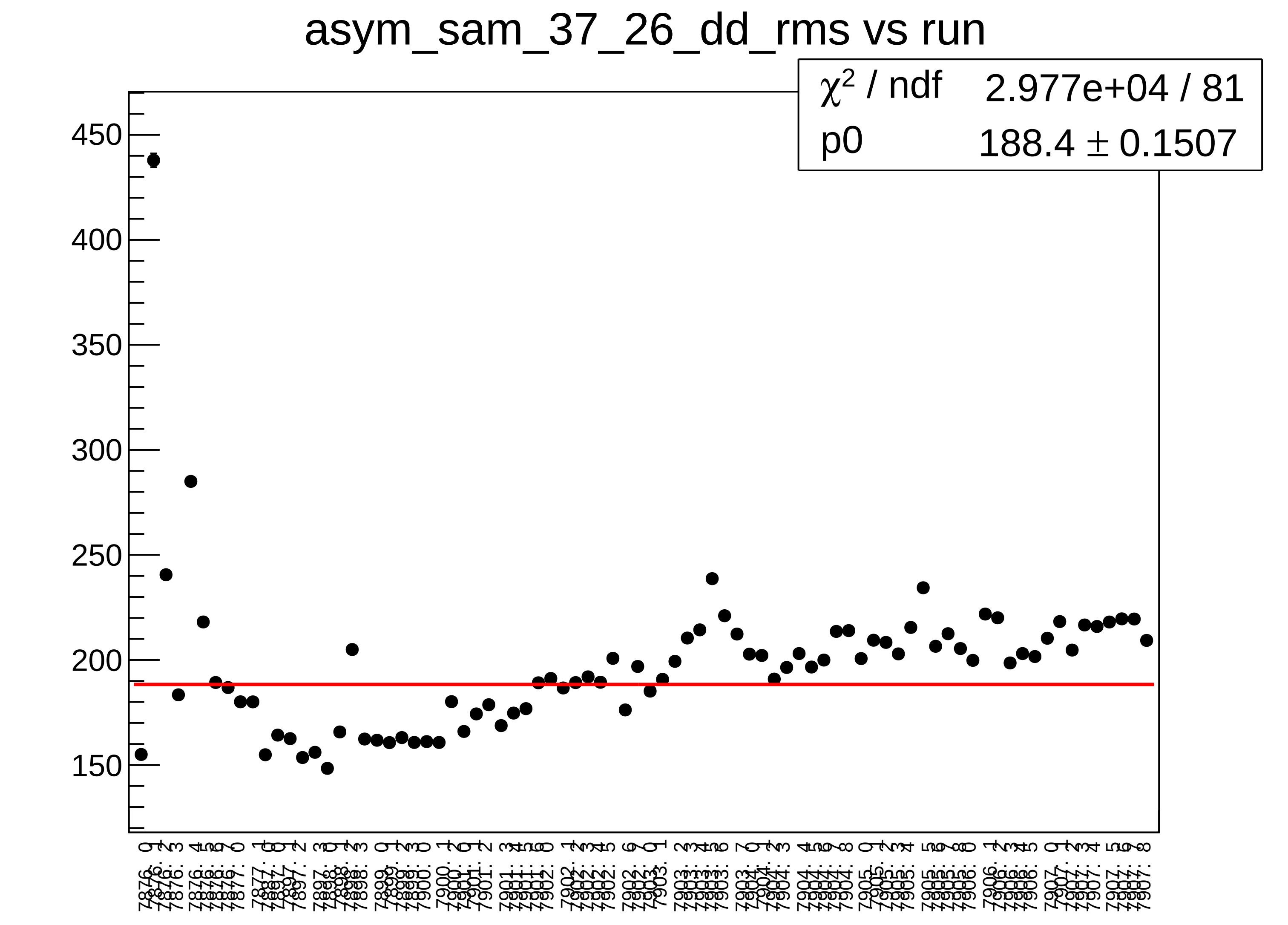
asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 85.27 / 81
p0 −314.6 ± 205.9
pull
Entries 82
Mean 3.672
Std Dev 81.65
pull1D
Entries 82
Mean 0.008354
Std Dev 1.02



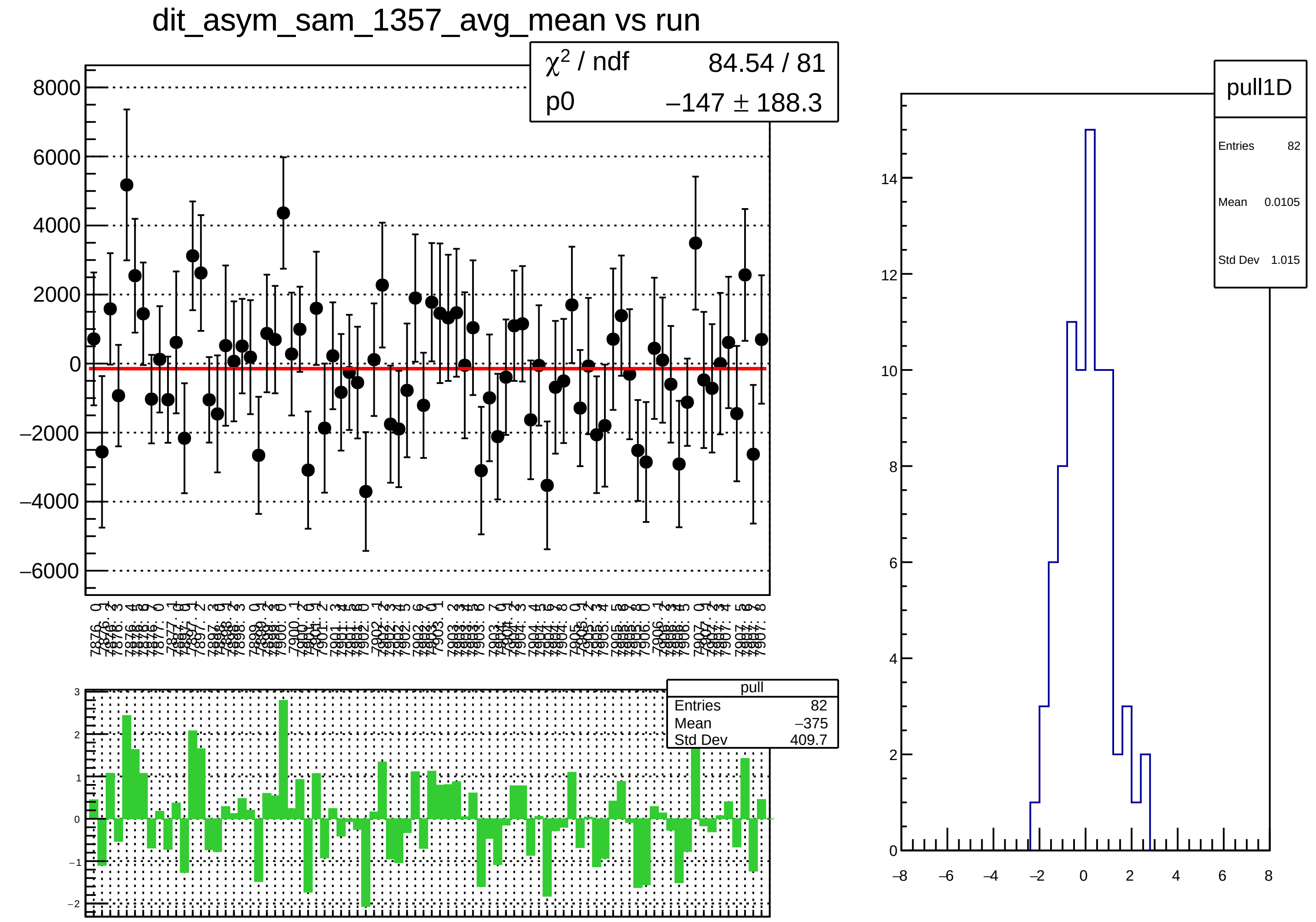
asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 1.827e+04 / 81
p0 182.6 ± 0.1456



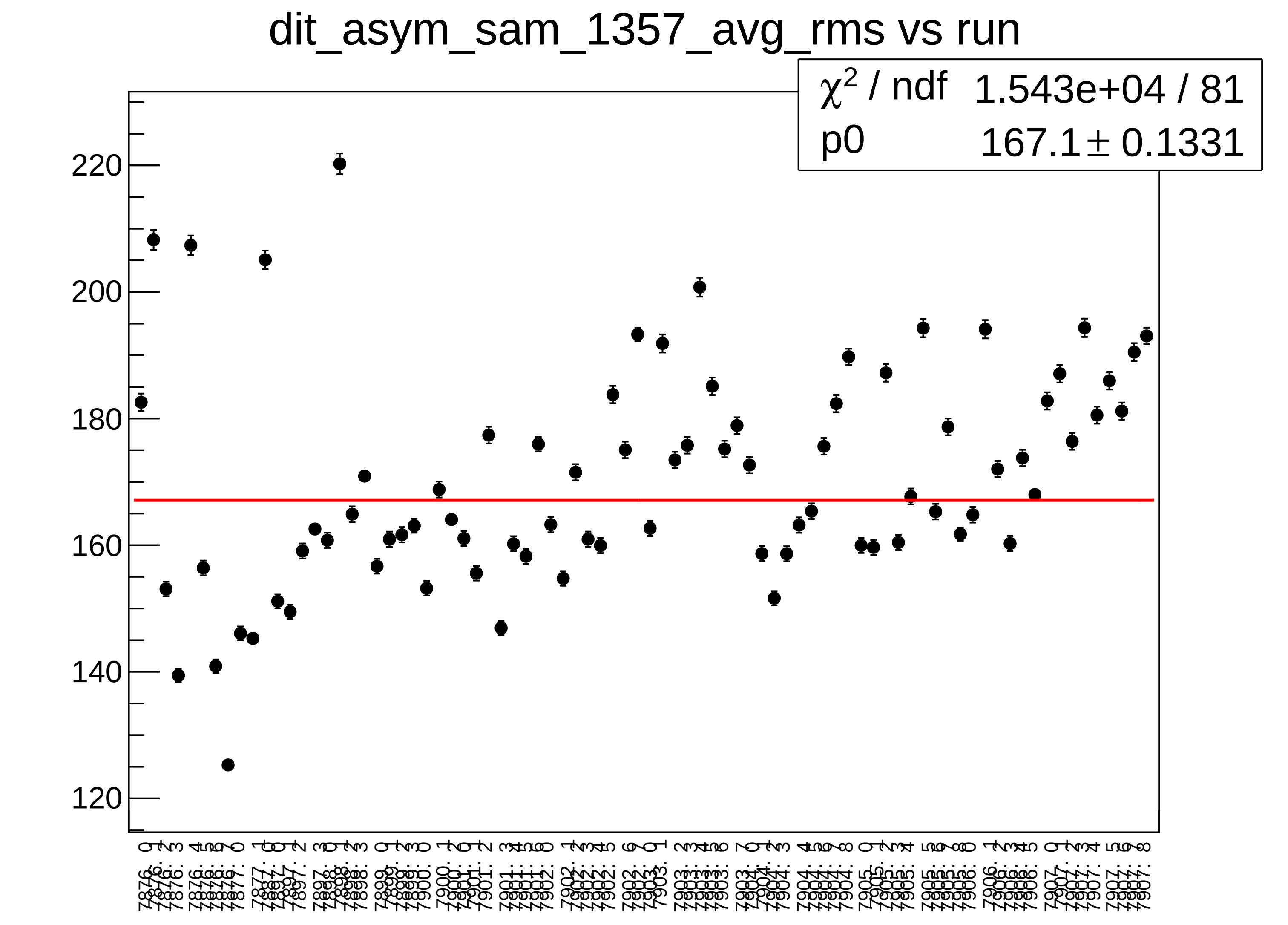
asym_sam_37_26_dd_mean vs run
χ^2 / ndf 88.73 / 81
p0 273.9 ± 213.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
pull
Entries 82
Mean −19.5
Std Dev 0.4805
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01791
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



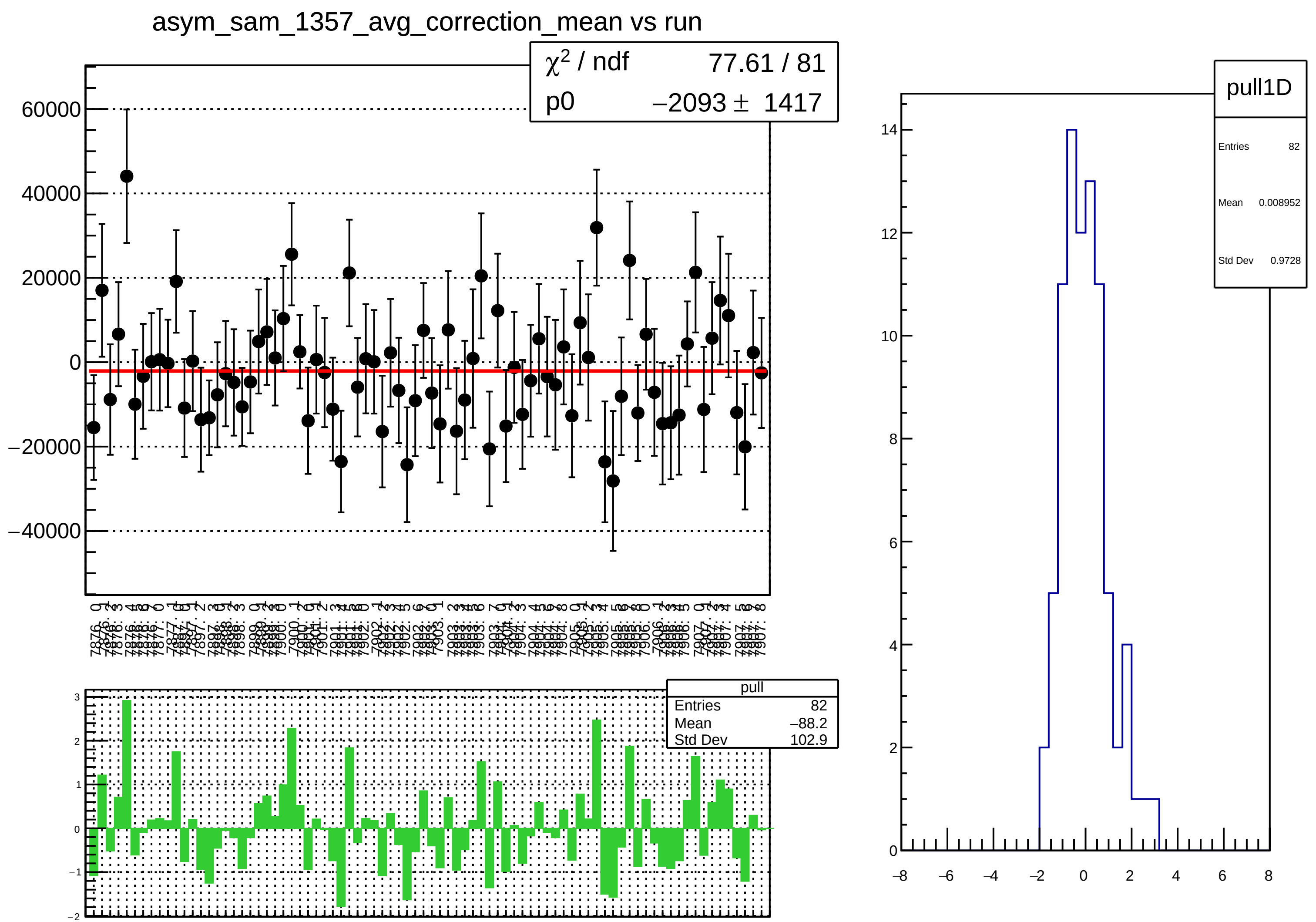
asym_sam_37_26_dd_rms vs run
χ2 / ndf 2.977e+04 / 81
p0 188.4 ± 0.1507

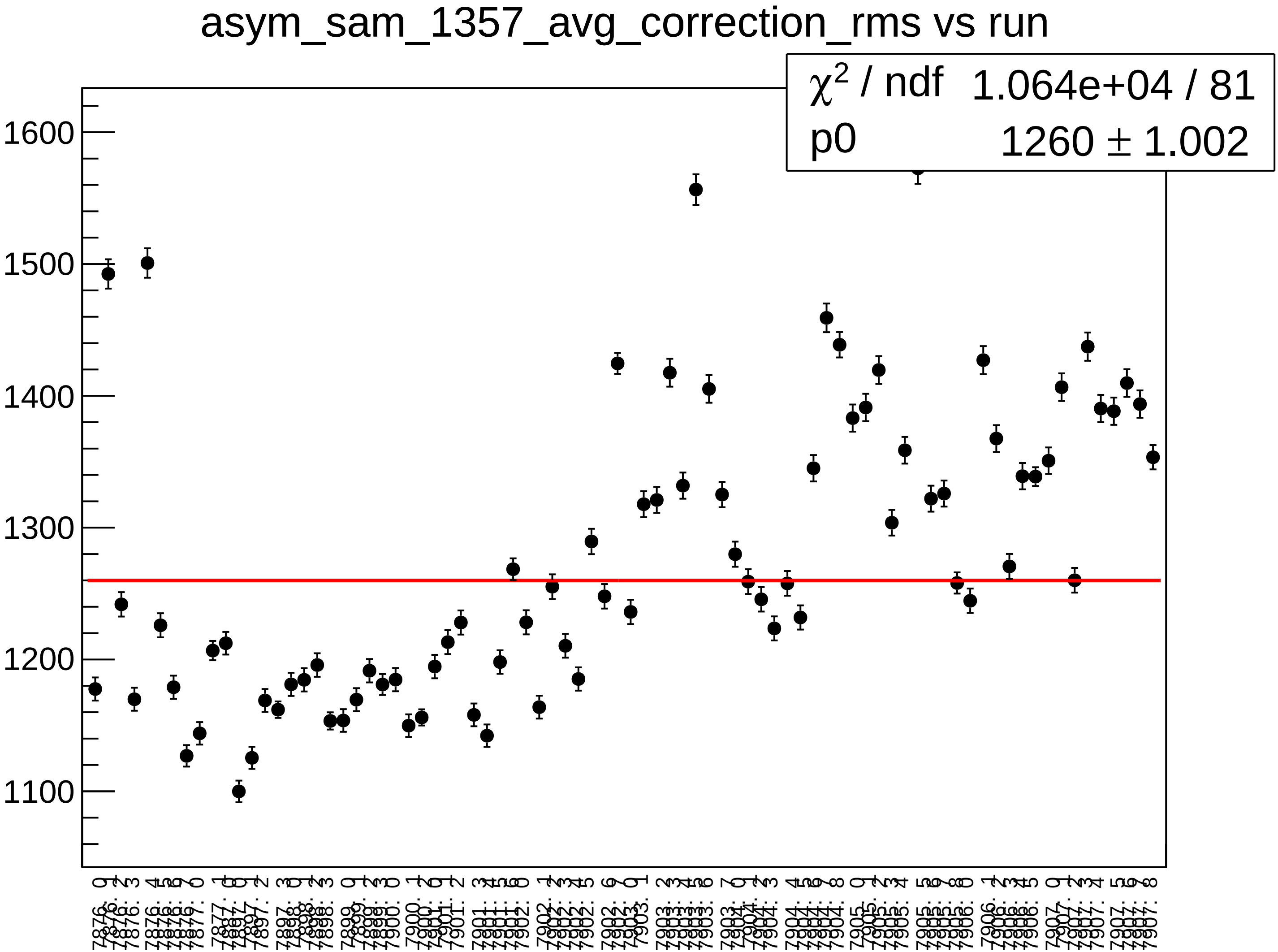


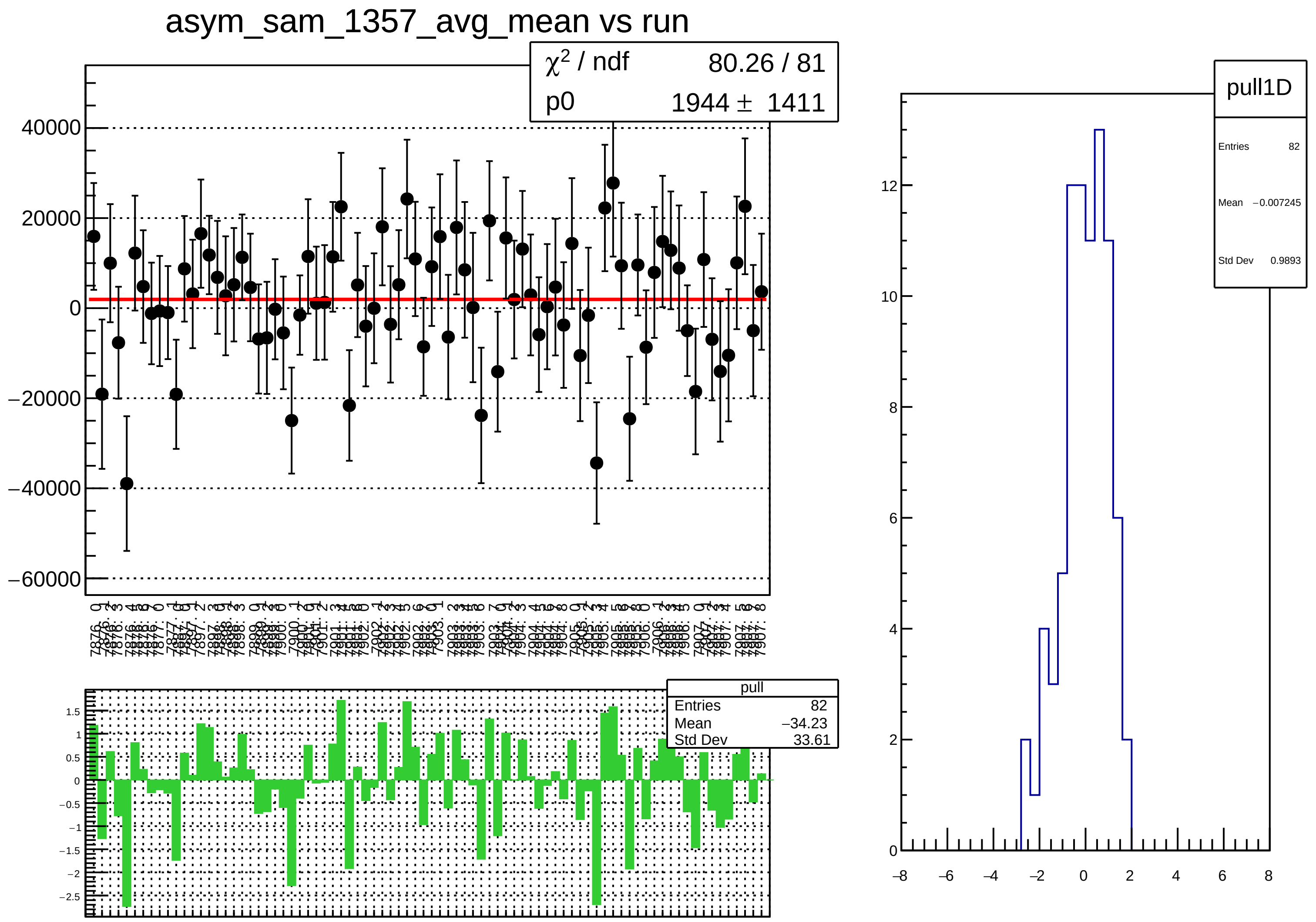
dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 84.54 / 81
p0 −147 ± 188.3
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −375
Std Dev 409.7
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0105
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



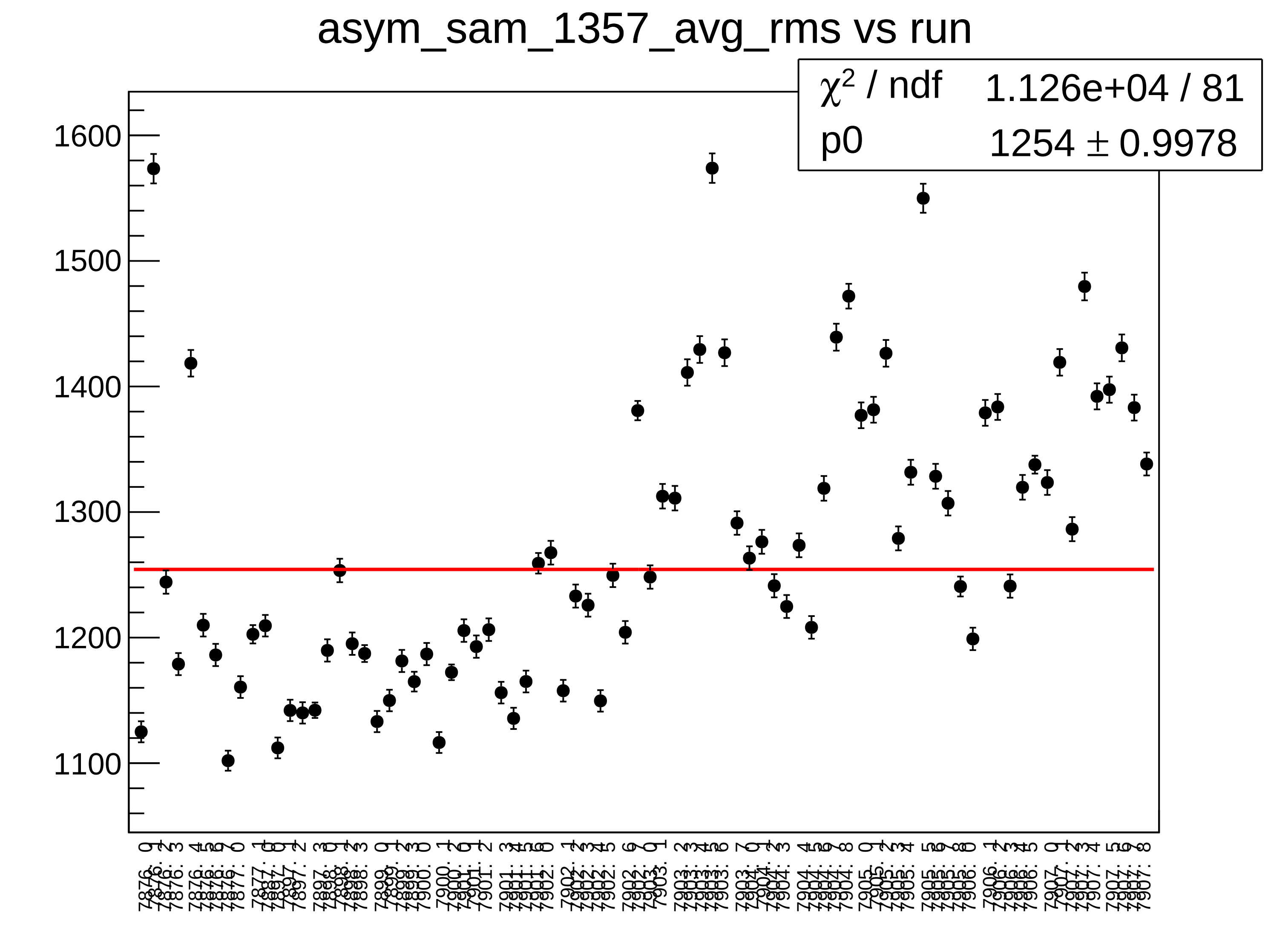
dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.543e+04 / 81
p0 167.1 ± 0.1331
220
200
180
160
140
120

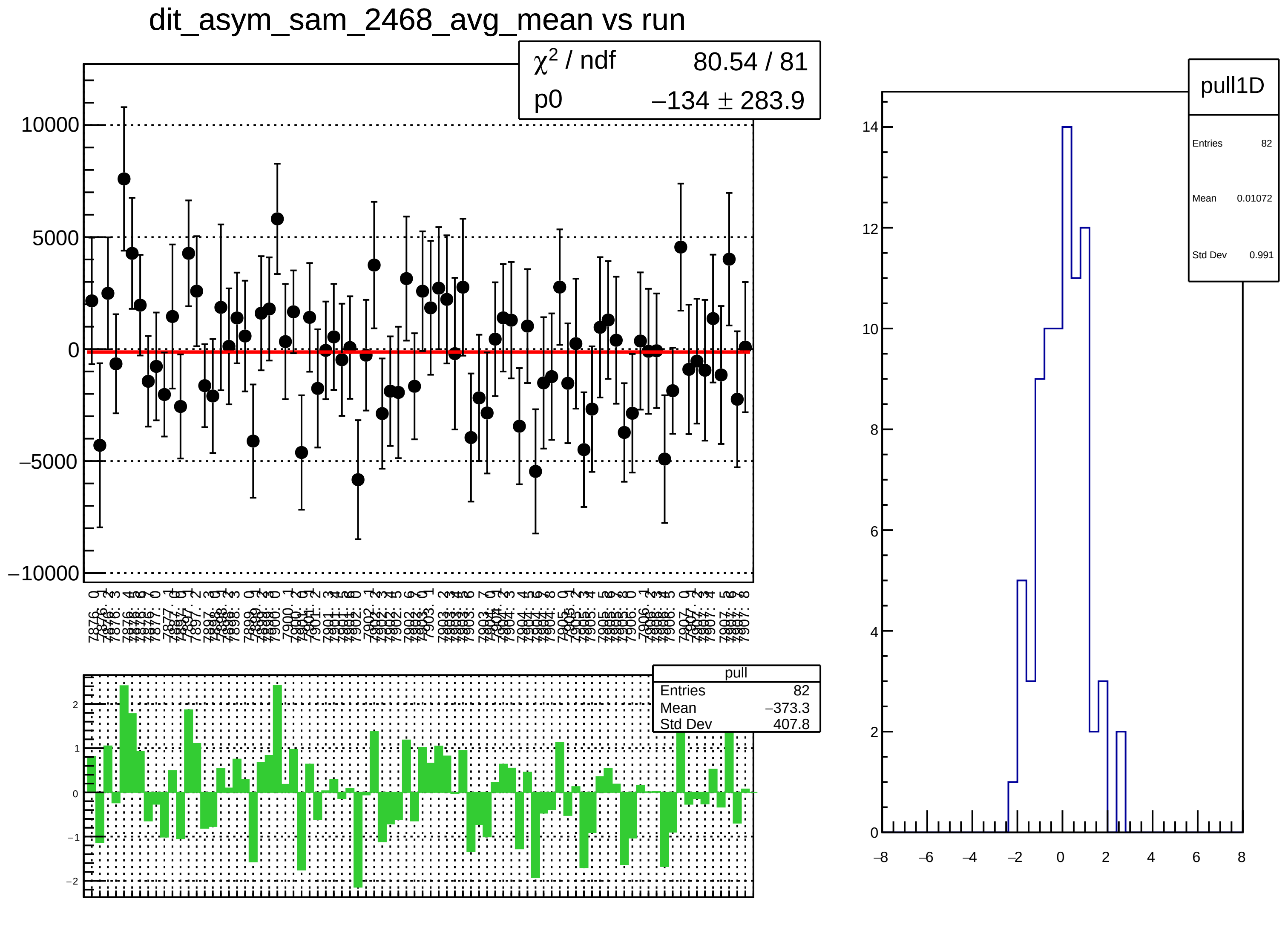

asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 77.61 / 81
p0 −2093 ± 1417
pull
Entries 82
Mean −88.2
Std Dev 102.9
pull1D
Entries 82
Mean 0.008952
Std Dev 0.9728

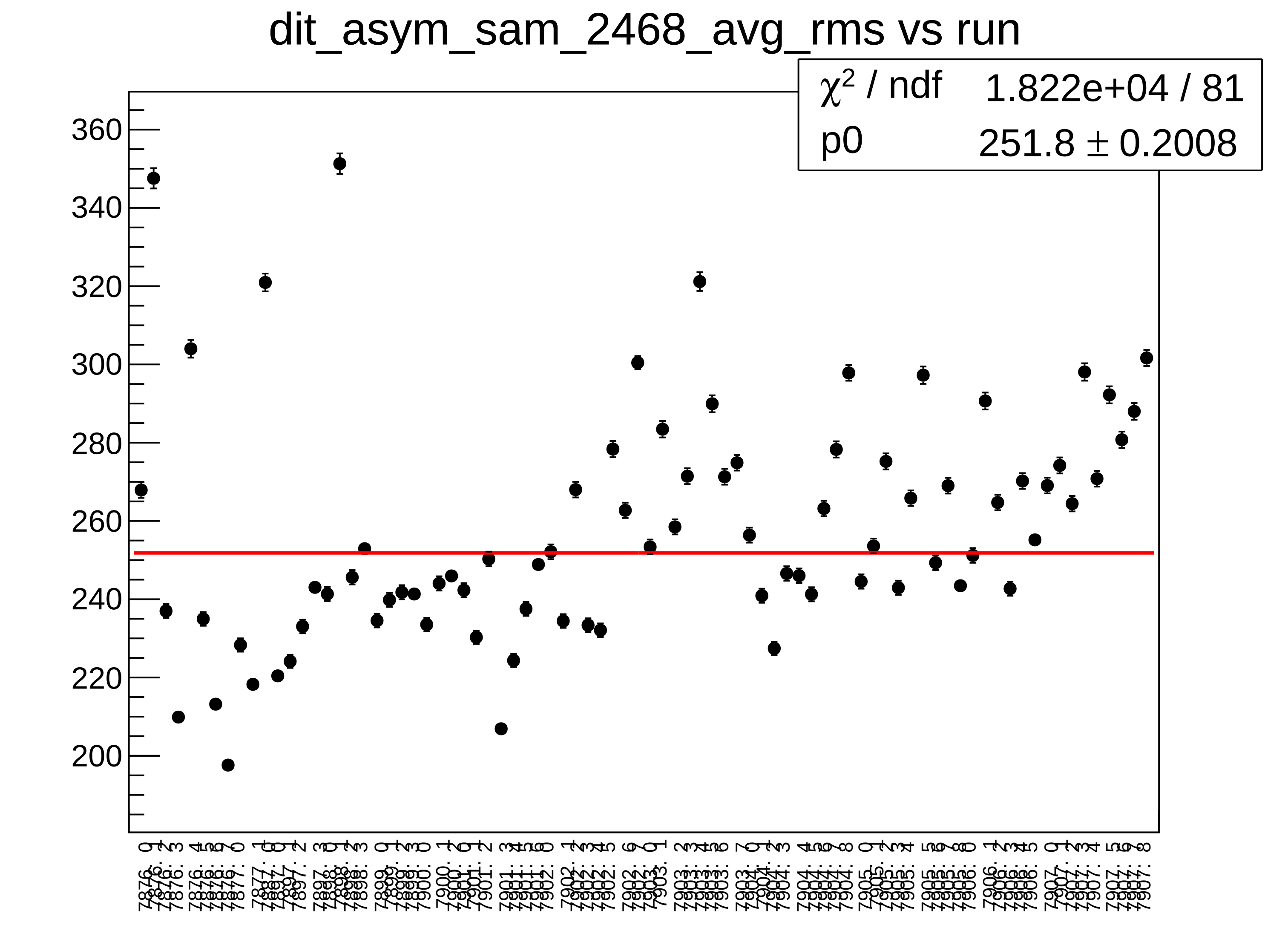

asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 1.064e+04 / 81
p0 1260 ± 1.002
1600
1500
1400
1300
1200
1100

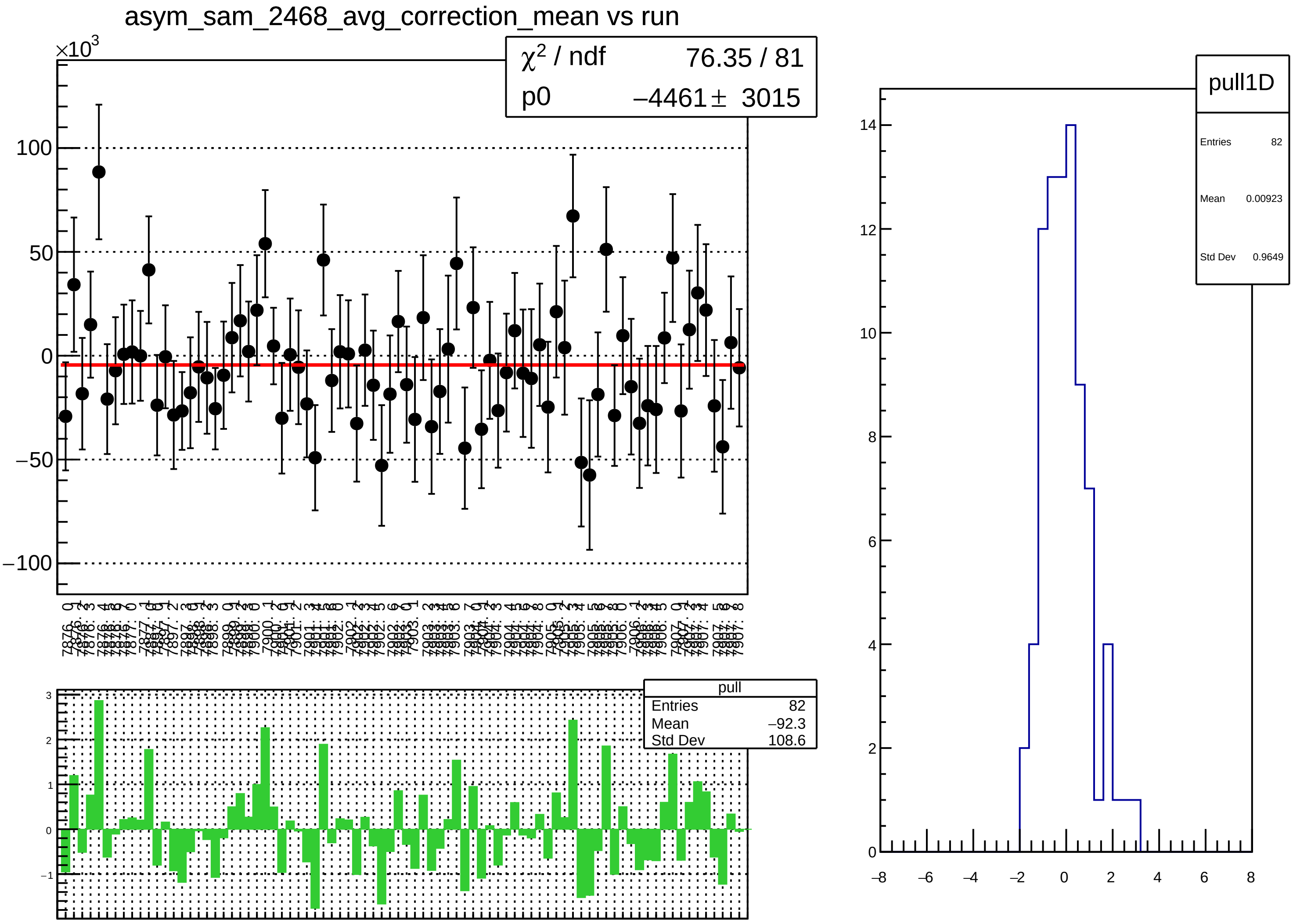


asym_sam_1357_avg_mean vs run
χ^2 / ndf 80.26 / 81
p0 1944 ± 1411
pull
Entries 82
Mean −34.23
Std Dev 33.61
pull1D
Entries 82
Mean −0.007245
Std Dev 0.9893

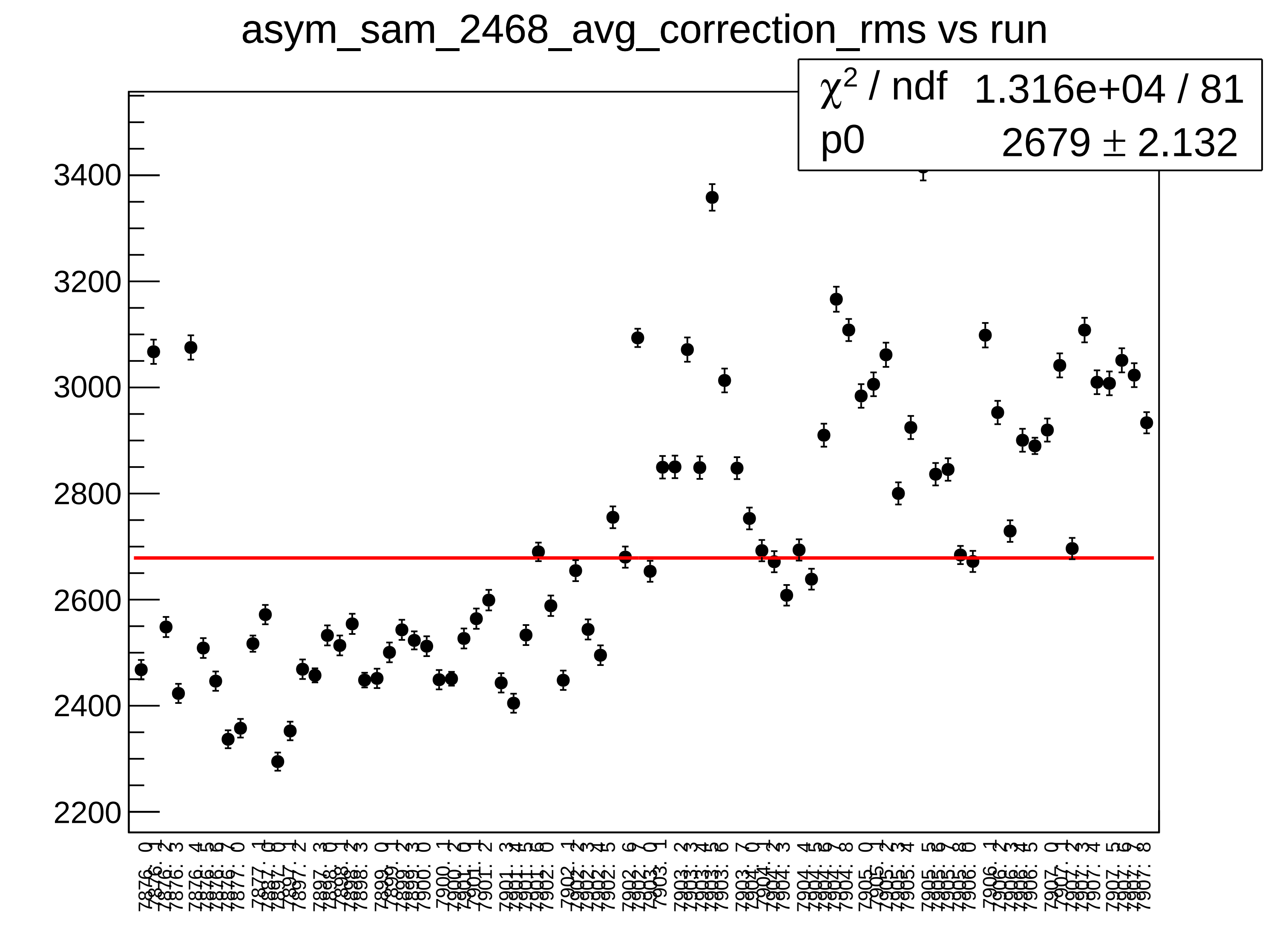

asym_sam_1357_avg_rms vs run
χ2 / ndf 1.126e+04 / 81
p0 1254 ± 0.9978
1600
1500
1400
1300
1200
1100

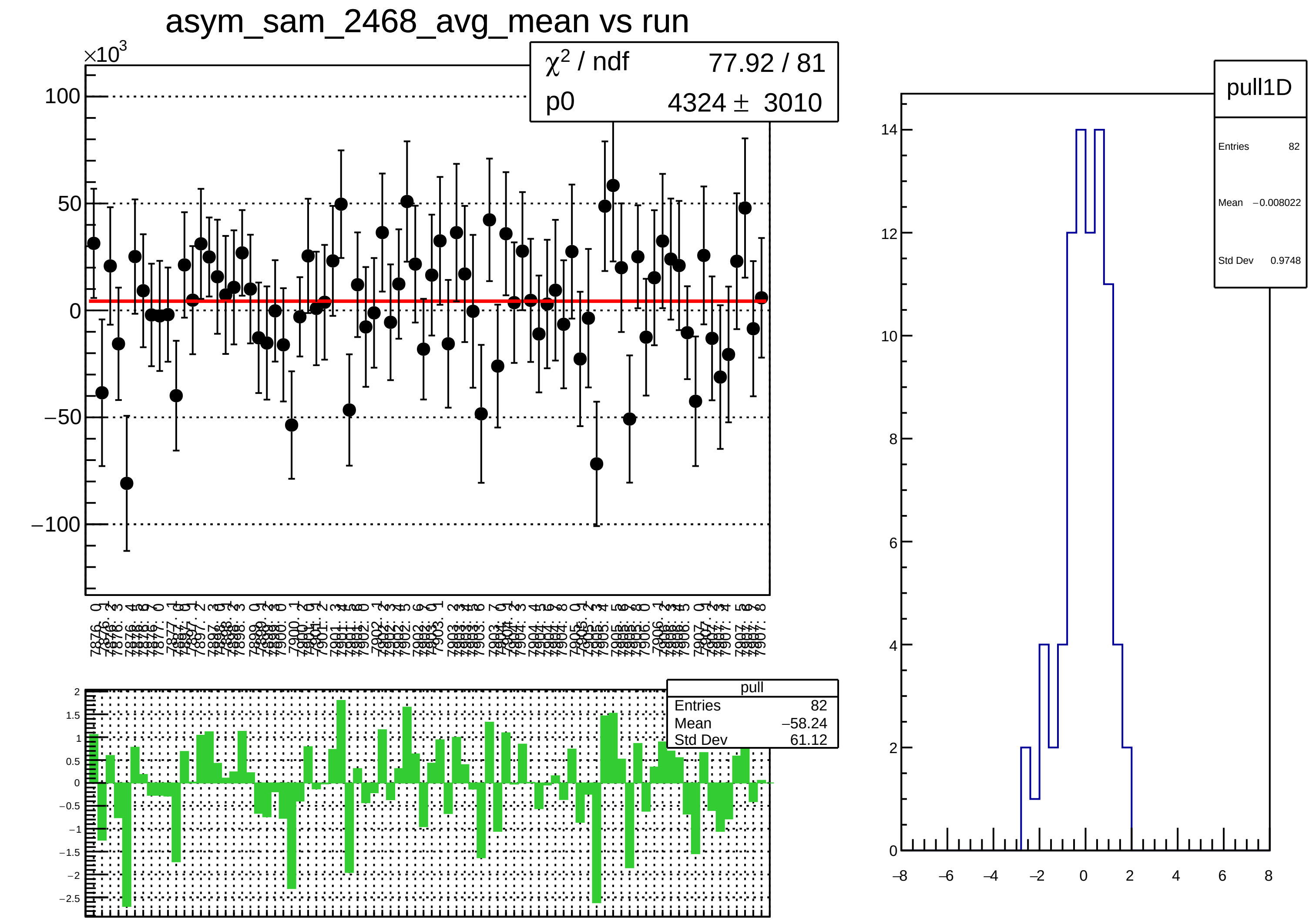

dit_asym_sam_2468_avg_mean vs run
χ2 / ndf 80.54 / 81
p0 −134 ± 283.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −373.3
Std Dev 407.8
pull1D
Entries 82
Mean 0.01072
Std Dev 0.991


dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.822e+04 / 81
p0 251.8 ± 0.2008
360
340
320
300
280
260
240
220
200

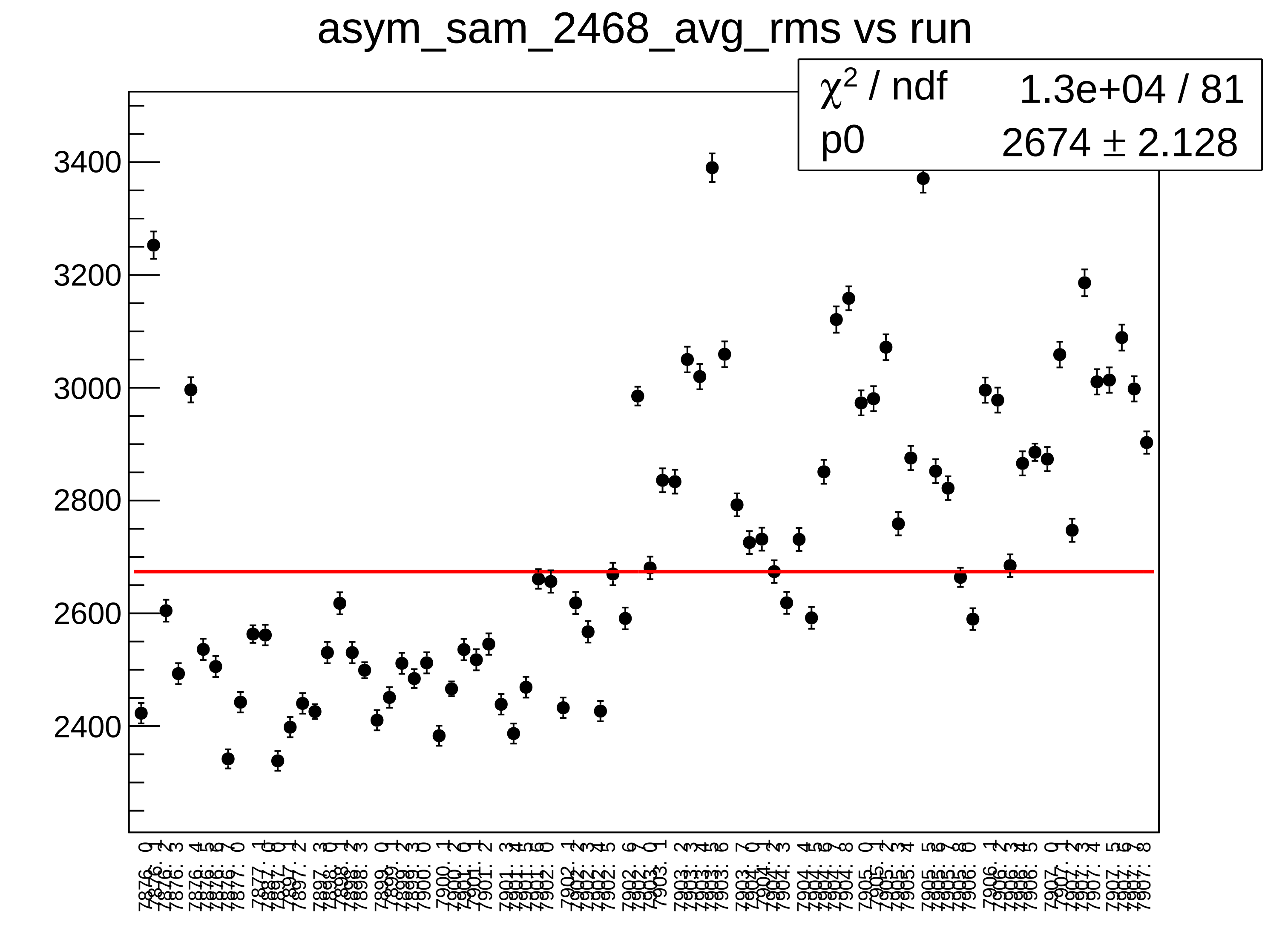


asym_sam_2468_avg_correction_mean vs run
×10^3
χ2 / ndf 76.35 / 81
p0 −4461 ± 3015
pull
Entries 82
Mean −92.3
Std Dev 108.6
pull1D
Entries 82
Mean 0.00923
Std Dev 0.9649

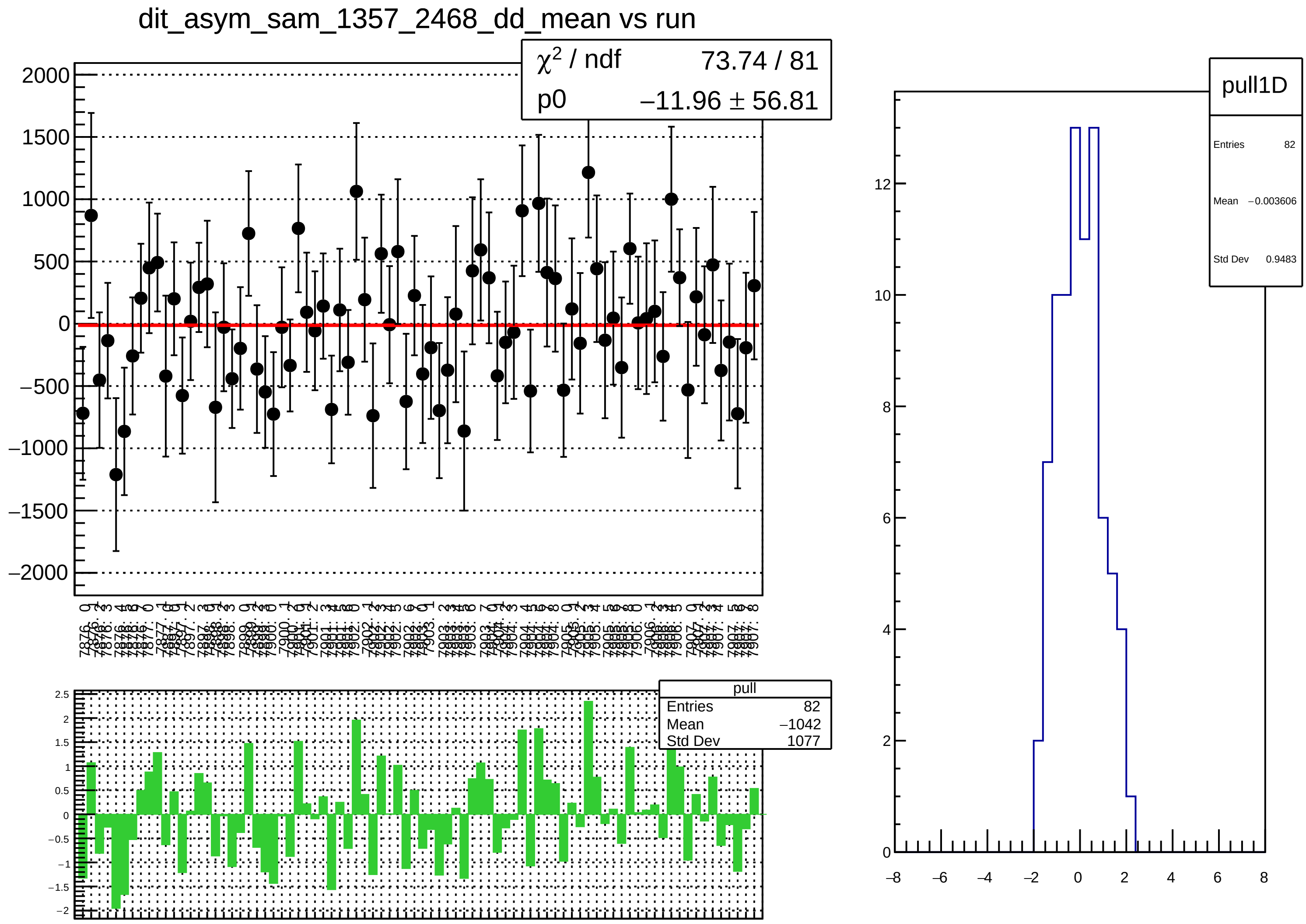

asym_sam_2468_avg_correction_rms vs run
χ2 / ndf 1.316e+04 / 81
p0 2679 ± 2.132
3400
3200
3000
2800
2600
2400
2200

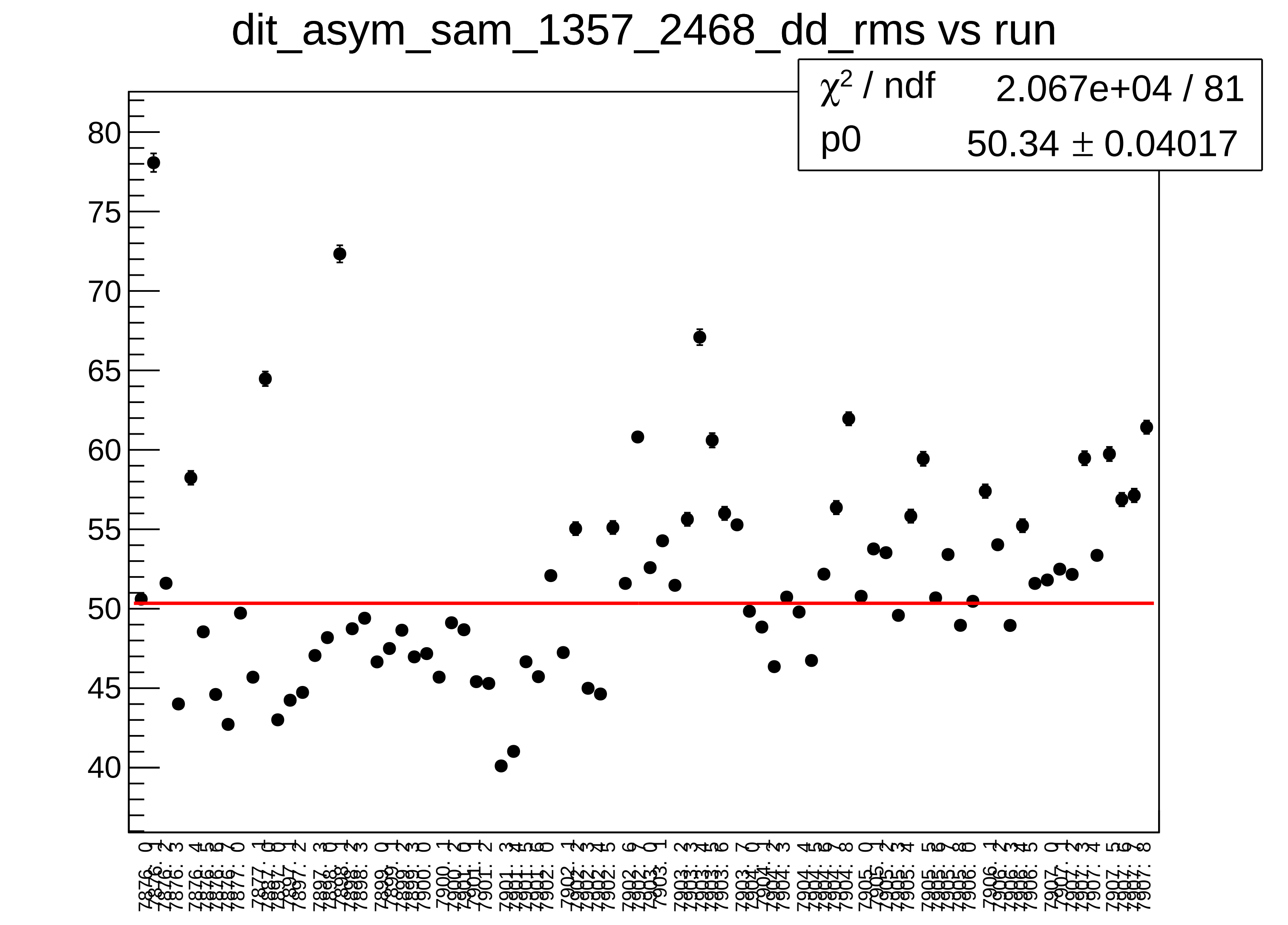


asym_sam_2468_avg_mean vs run
×10^3
χ2 / ndf 77.92 / 81
p0 4324 ± 3010
100
50
0
−50
−100
pull
Entries 82
Mean −58.24
Std Dev 61.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.008022
Std Dev 0.9748
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

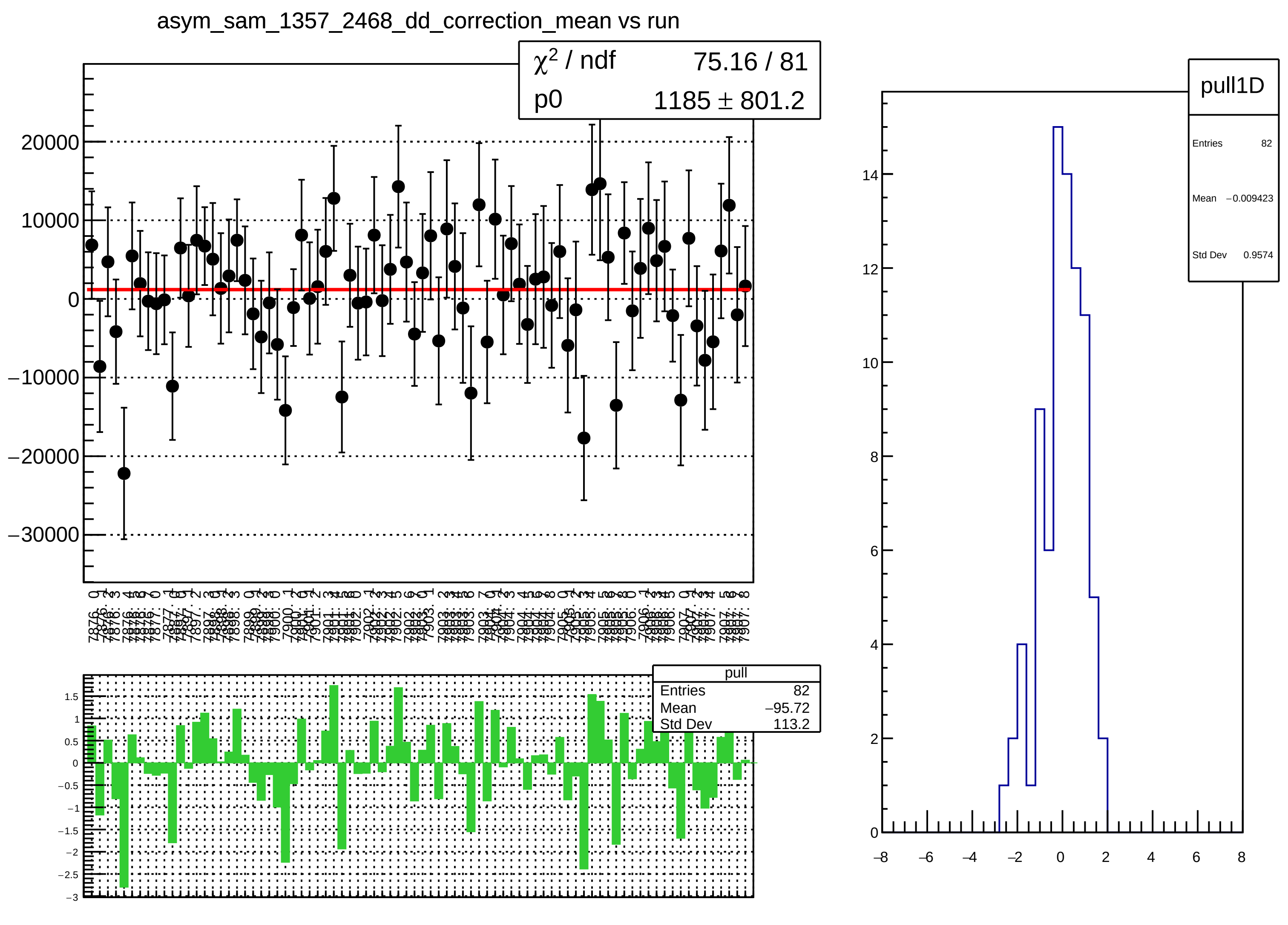


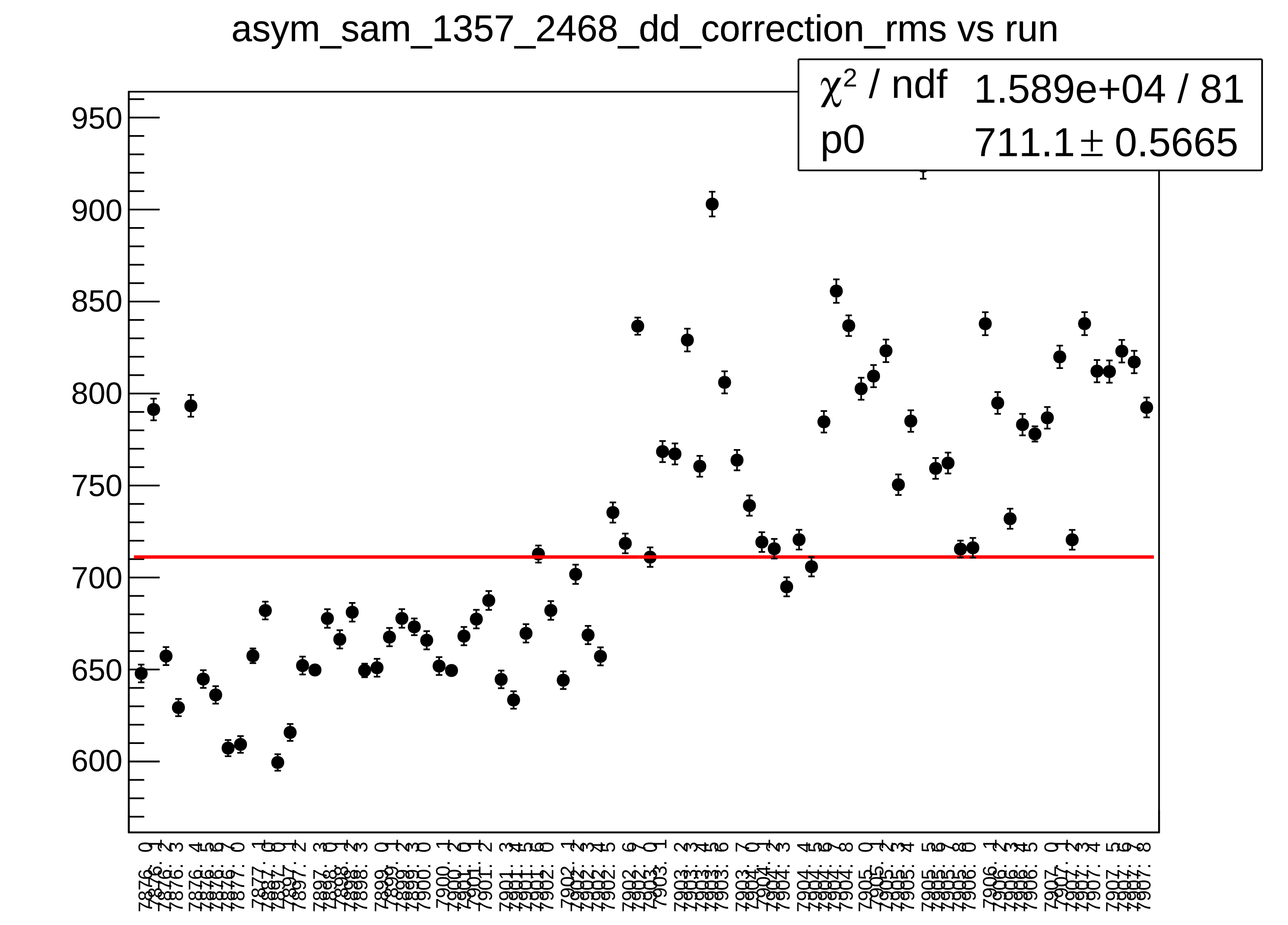
asym_sam_2468_avg_rms vs run
χ2 / ndf 1.3e+04 / 81
p0 2674 ± 2.128
3400
3200
3000
2800
2600
2400


dit_asym_sam_1357_2468_dd_mean vs run
χ2 / ndf 73.74 / 81
p0 −11.96 ± 56.81
pull
Entries 82
Mean −1042
Std Dev 1077
pull1D
Entries 82
Mean −0.003606
Std Dev 0.9483

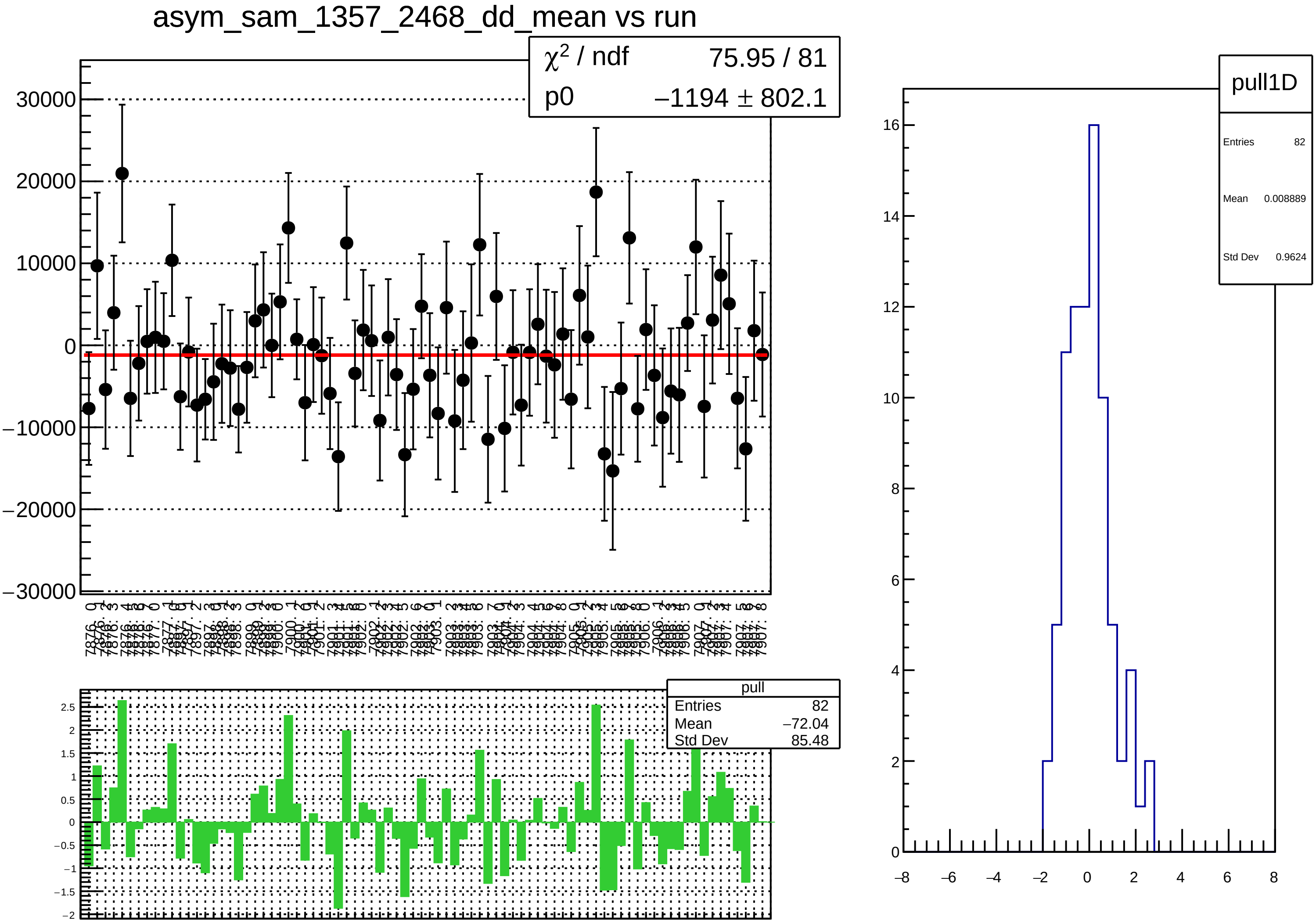


dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 2.067e+04 / 81
p0 50.34 ± 0.04017
80
75
70
65
60
55
50
45
40

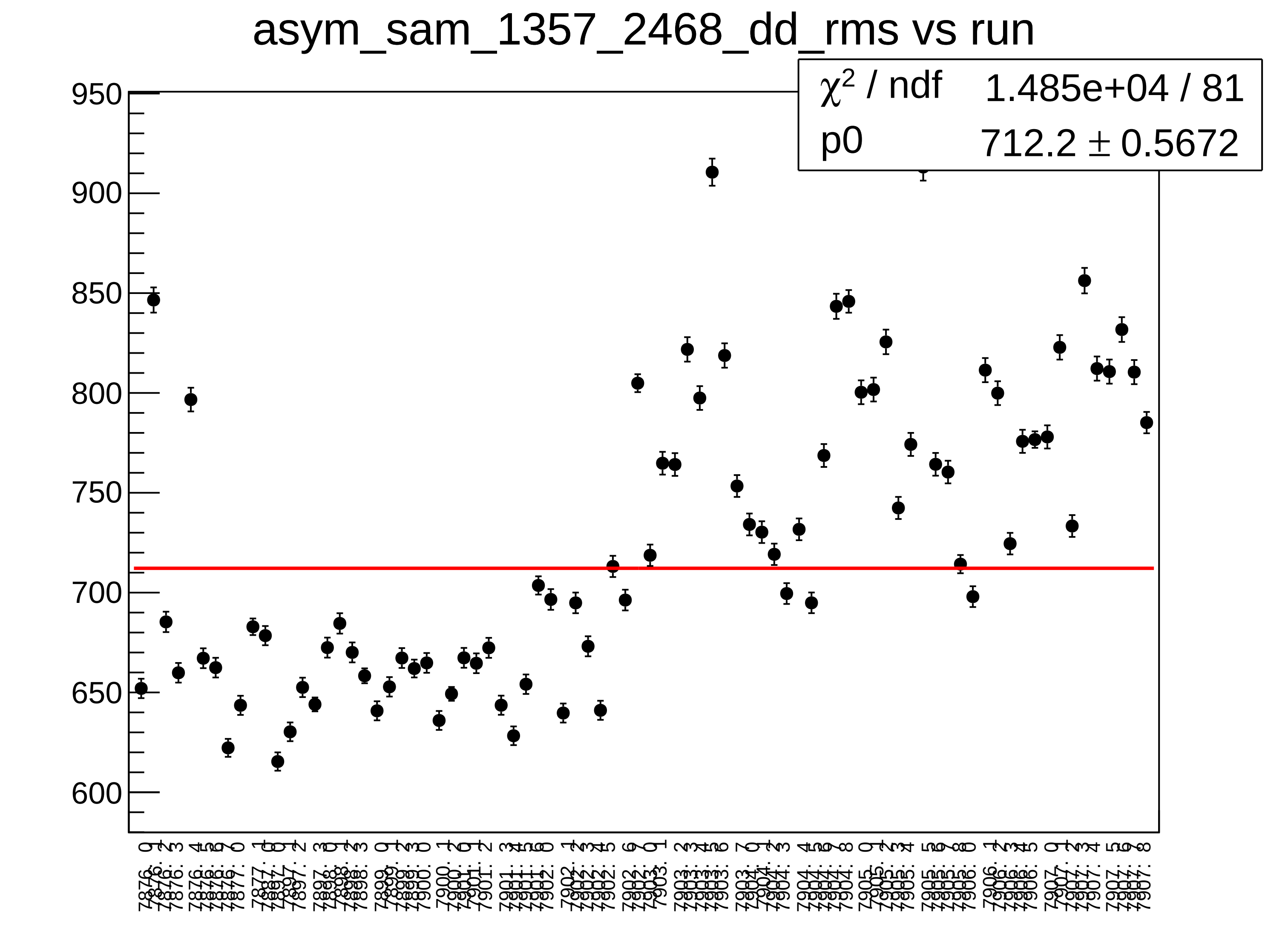

asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 75.16 / 81
p0 1185 ± 801.2
pull
Entries 82
Mean −95.72
Std Dev 113.2
pull1D
Entries 82
Mean −0.009423
Std Dev 0.9574



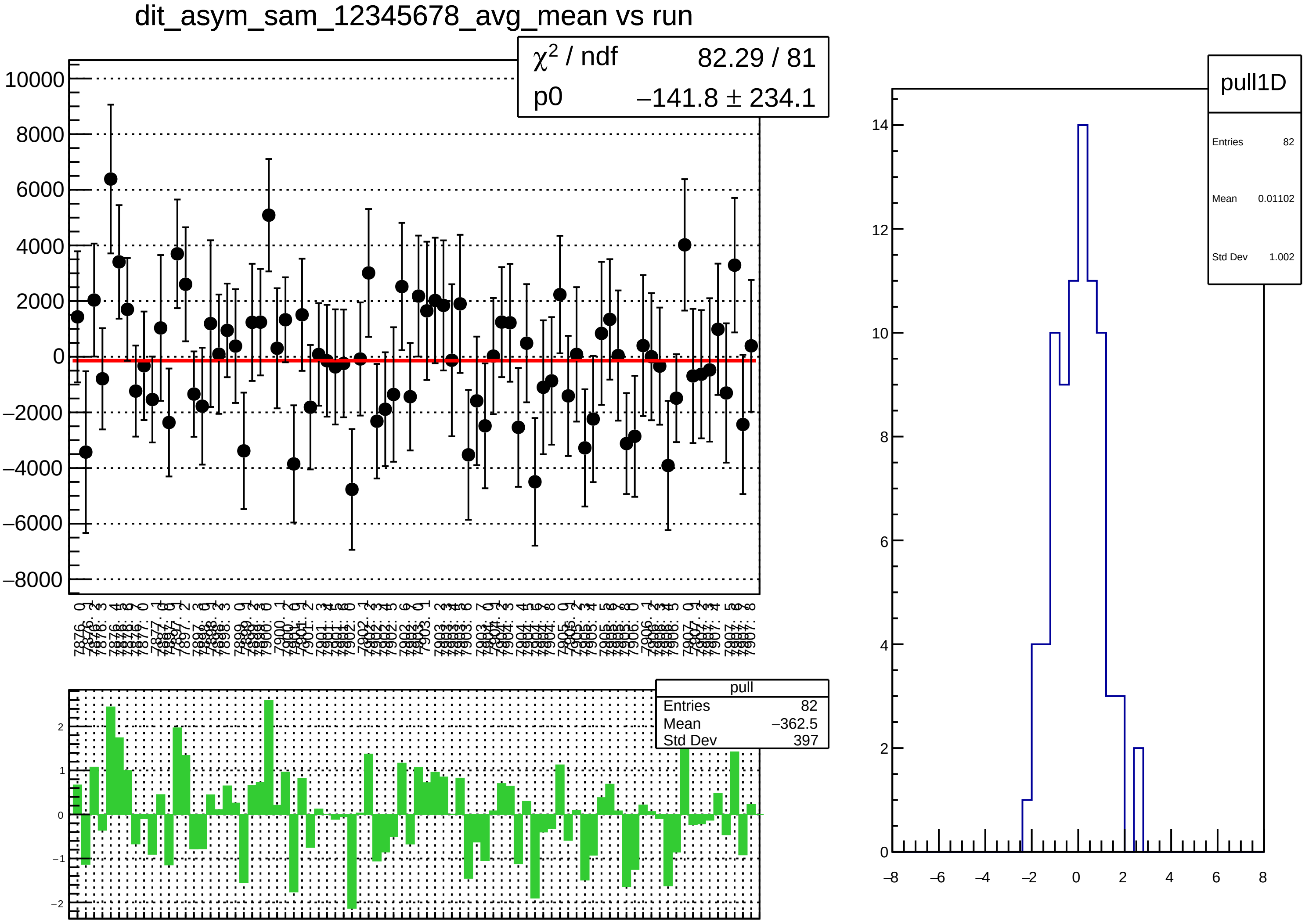
asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 1.589e+04 / 81
p0 711.1 ± 0.5665
950
900
850
800
750
700
650
600



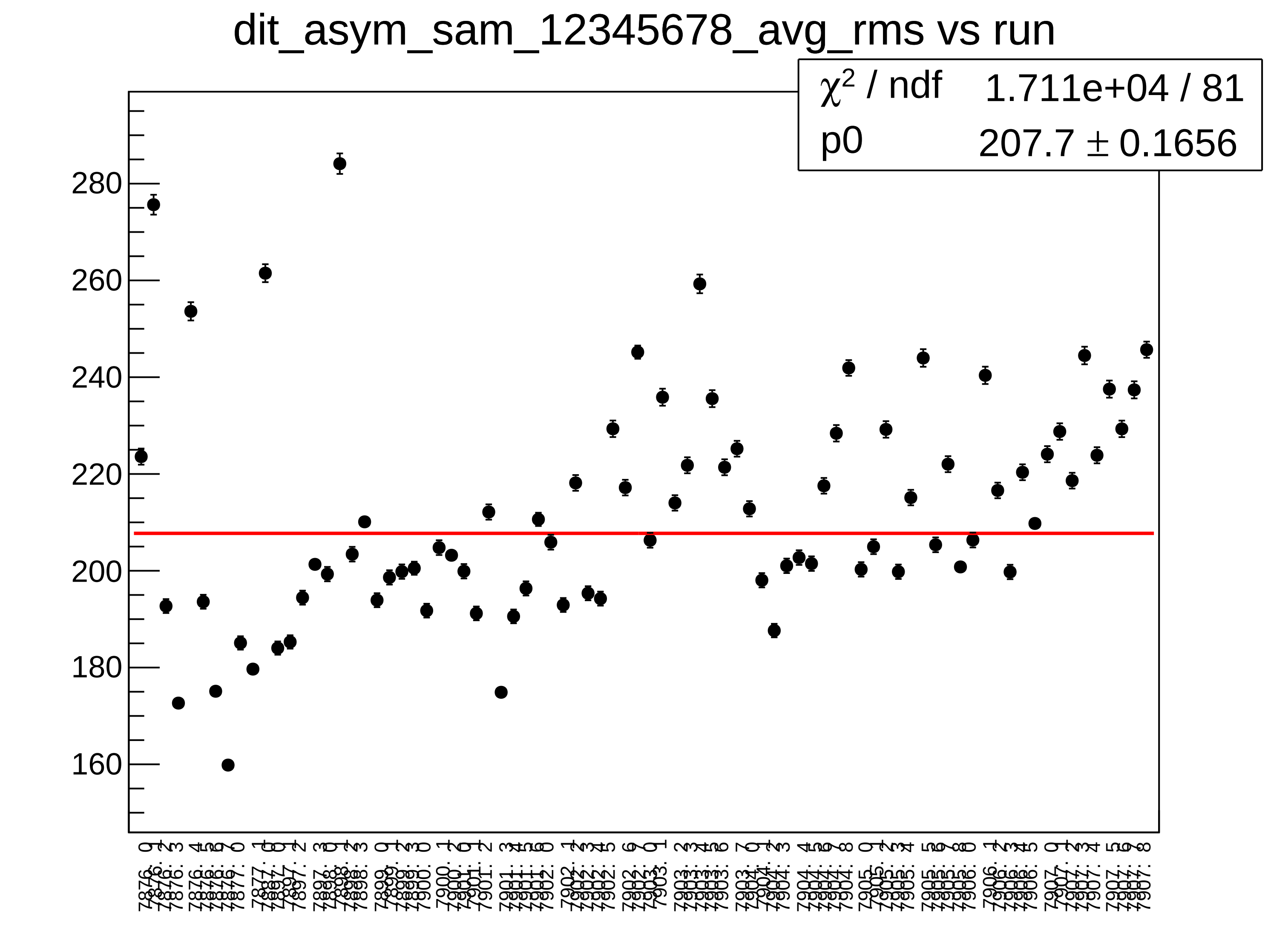
asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 75.95 / 81
p0 −1194 ± 802.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −72.04
Std Dev 85.48
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.008889
Std Dev 0.9624
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



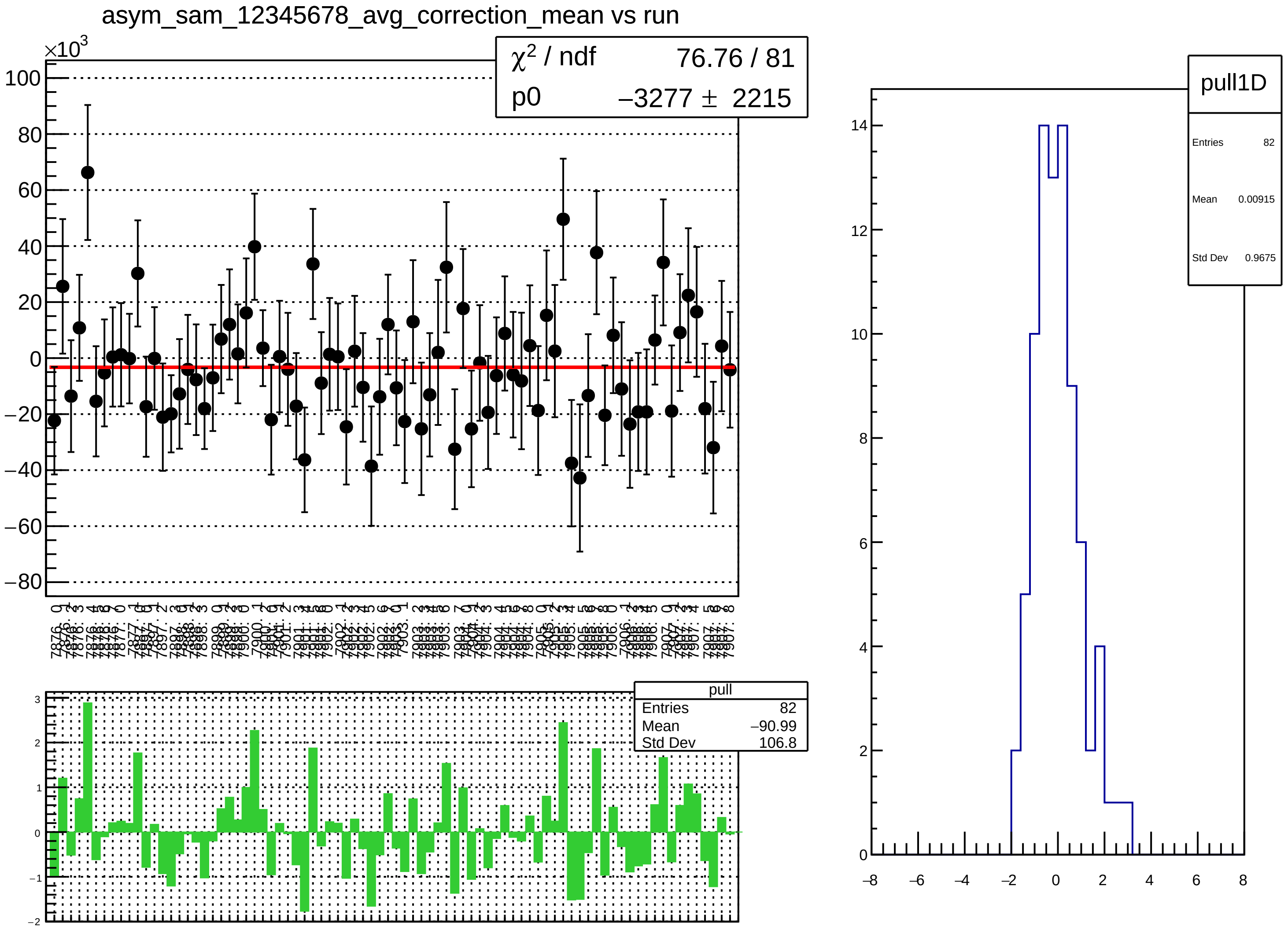
asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.485e+04 / 81
p0 712.2 ± 0.5672



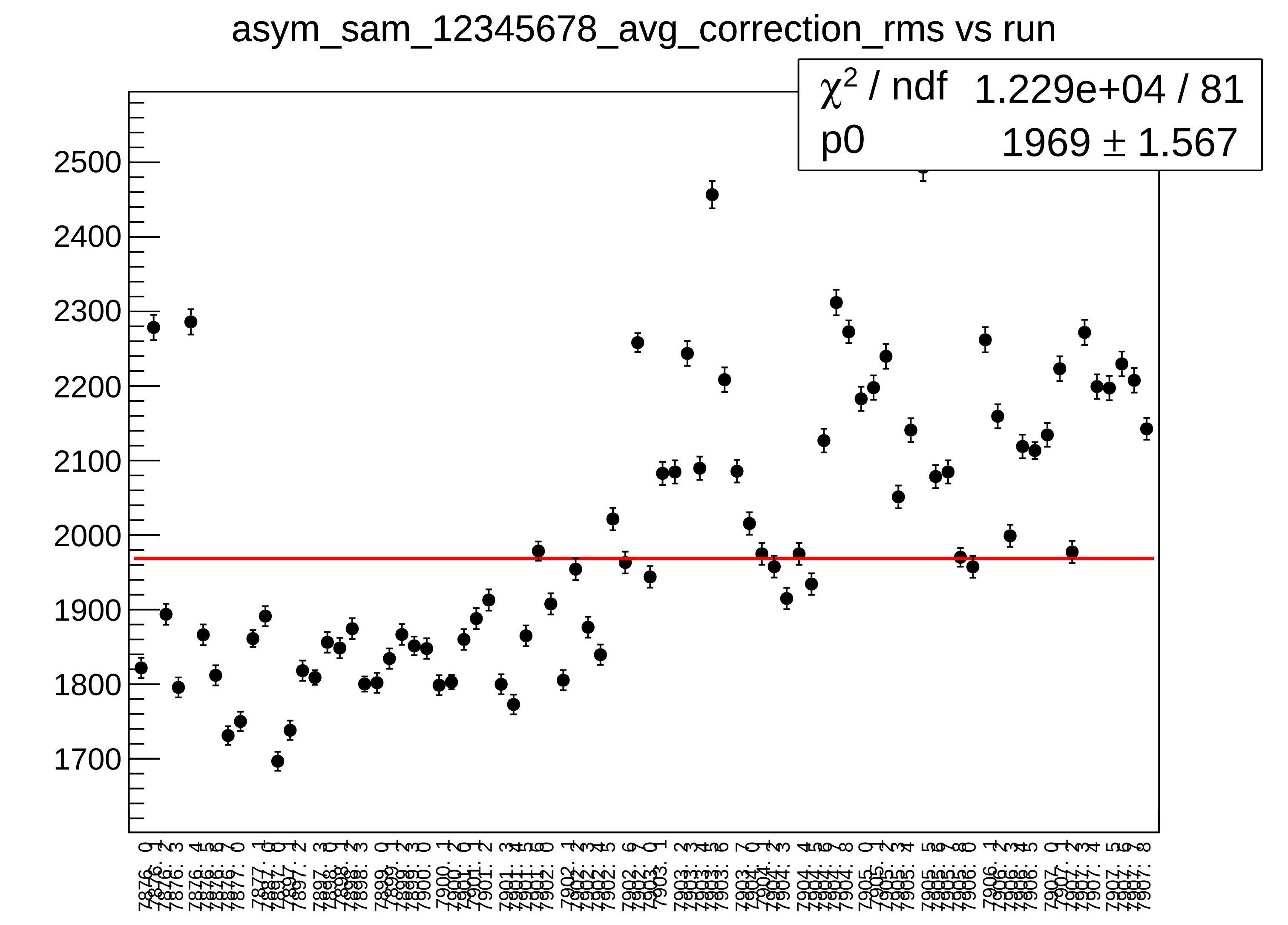
dit_asym_sam_12345678_avg_mean vs run
χ2 / ndf 82.29 / 81
p0 −141.8 ± 234.1
pull
Entries 82
Mean −362.5
Std Dev 397
pull1D
Entries 82
Mean 0.01102
Std Dev 1.002

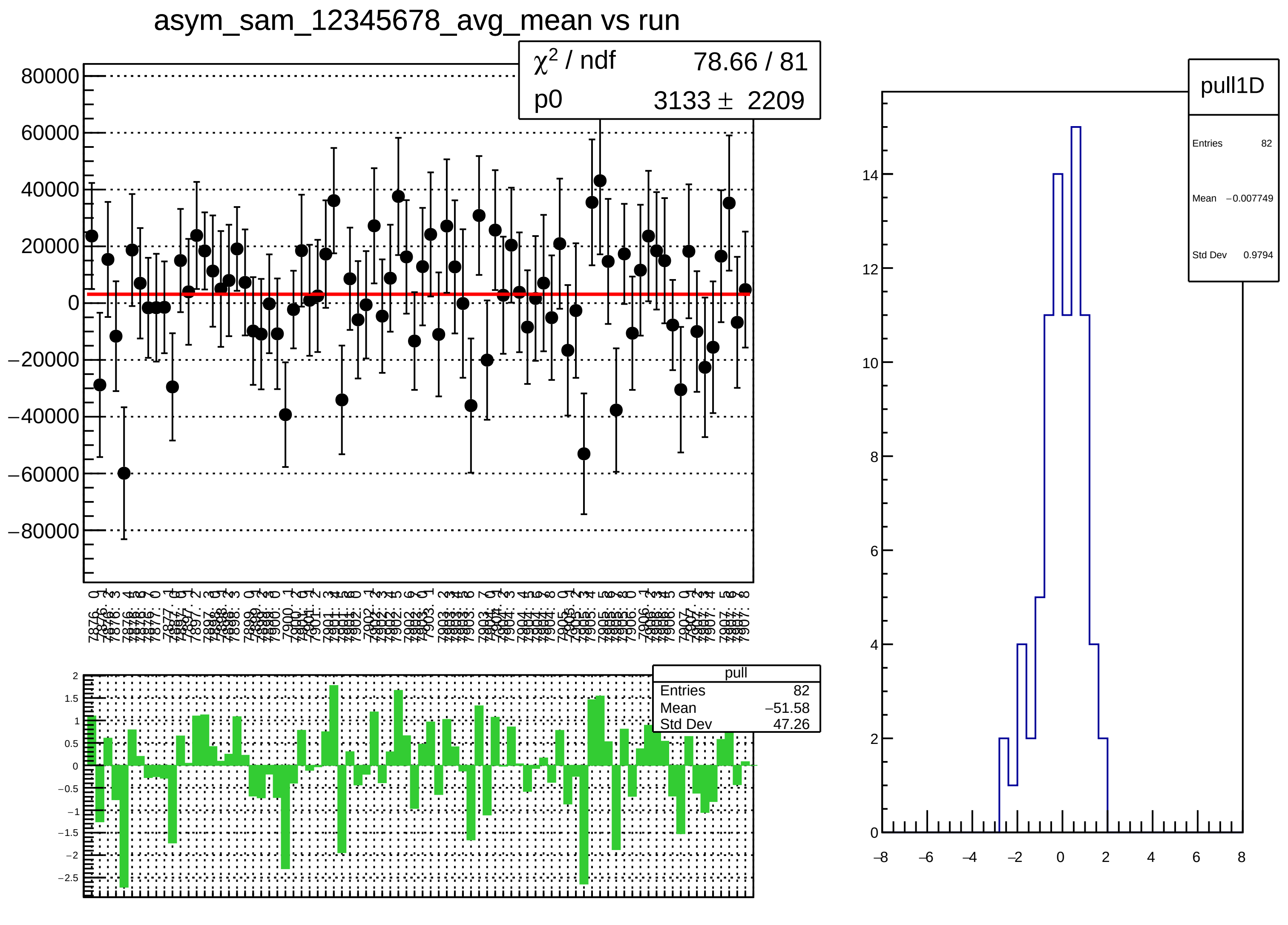


dit_asym_sam_12345678_avg_rms vs run
χ2 / ndf 1.711e+04 / 81
p0 207.7 ± 0.1656
280
260
240
220
200
180
160

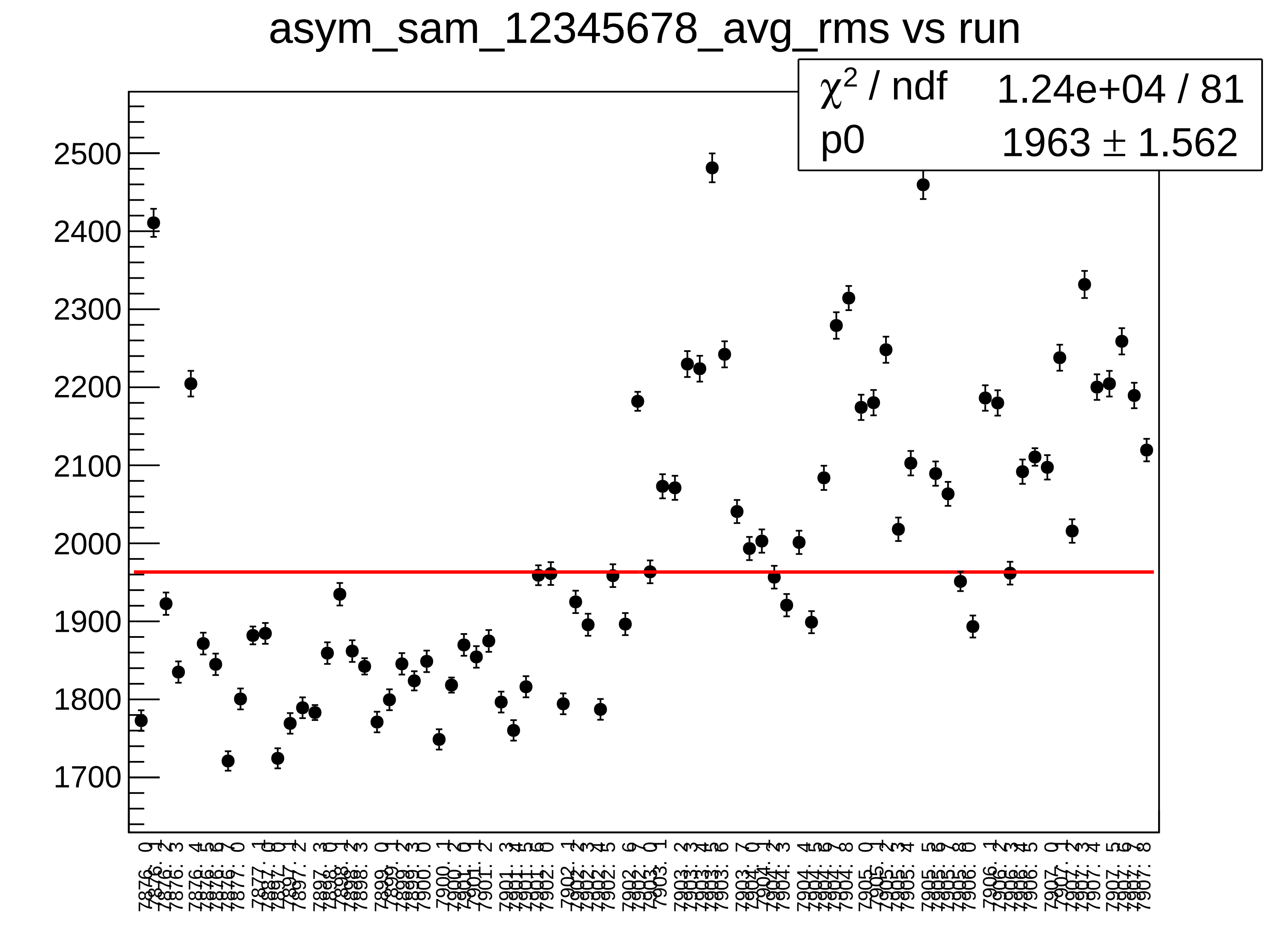


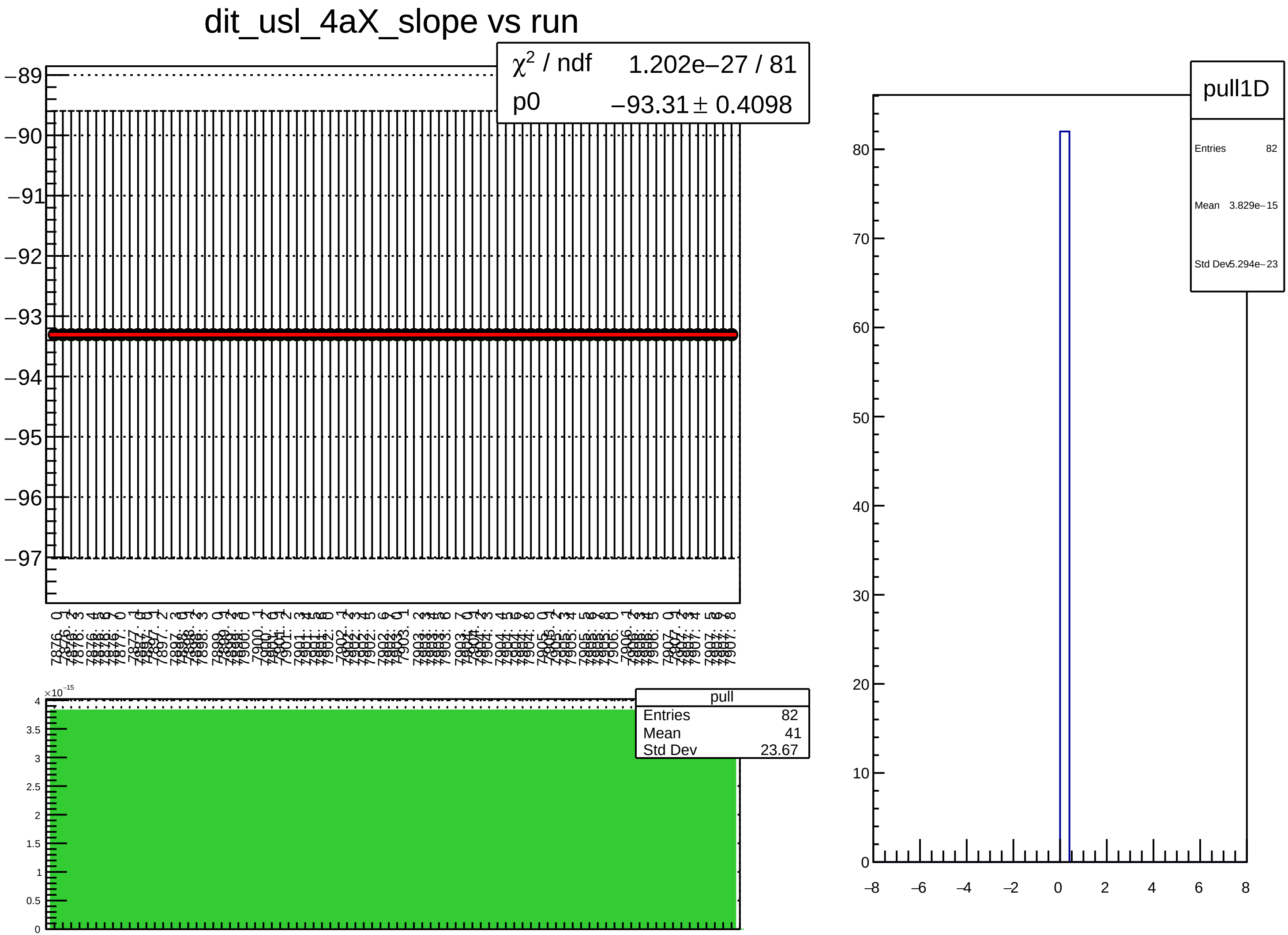
asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 76.76 / 81
p0 −3277 ± 2215
×10³
pull
Entries 82
Mean −90.99
Std Dev 106.8
pull1D
Entries 82
Mean 0.00915
Std Dev 0.9675


asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 1.229e+04 / 81
p0 1969 ± 1.567
2500
2400
2300
2200
2100
2000
1900
1800
1700

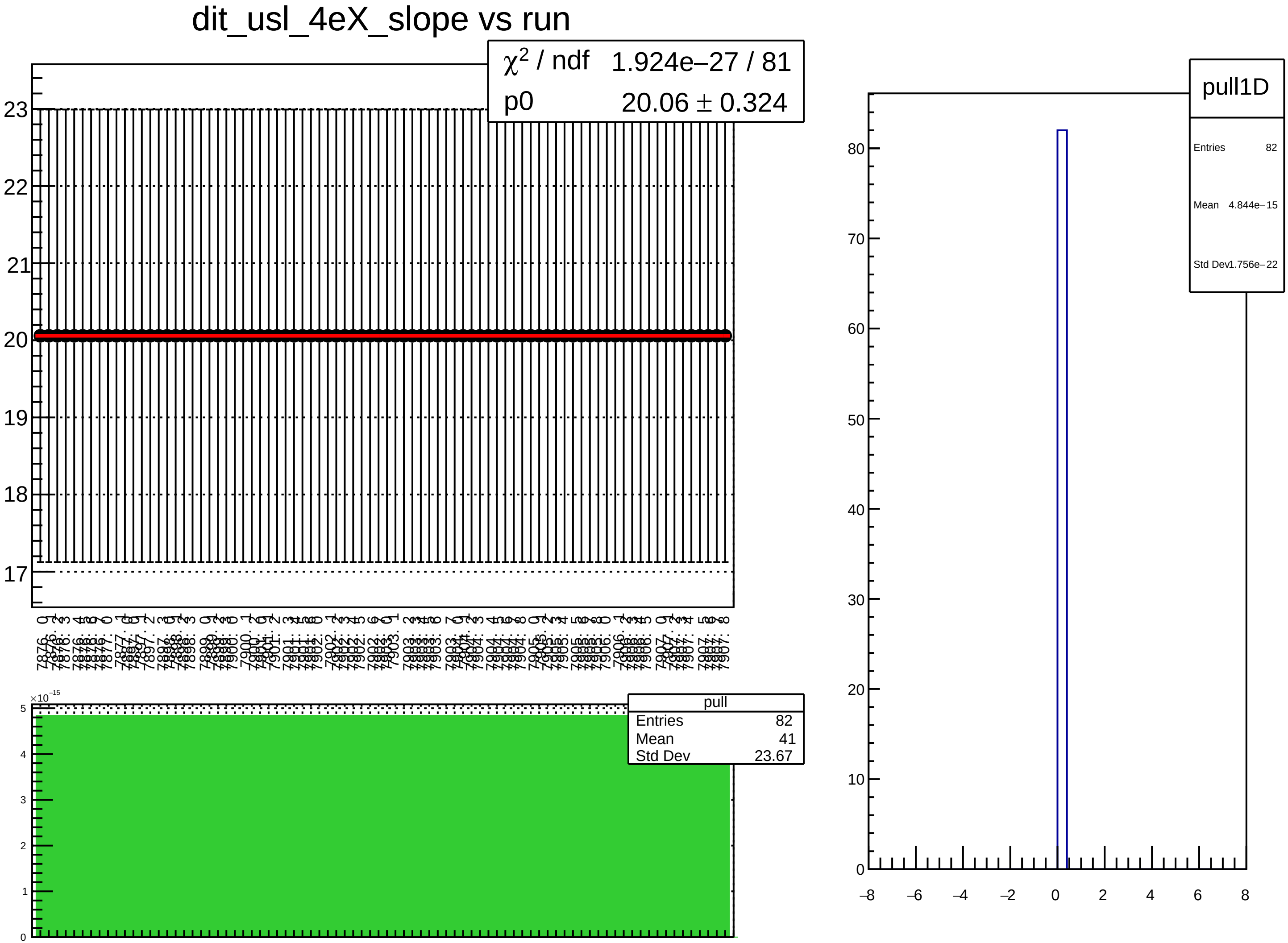


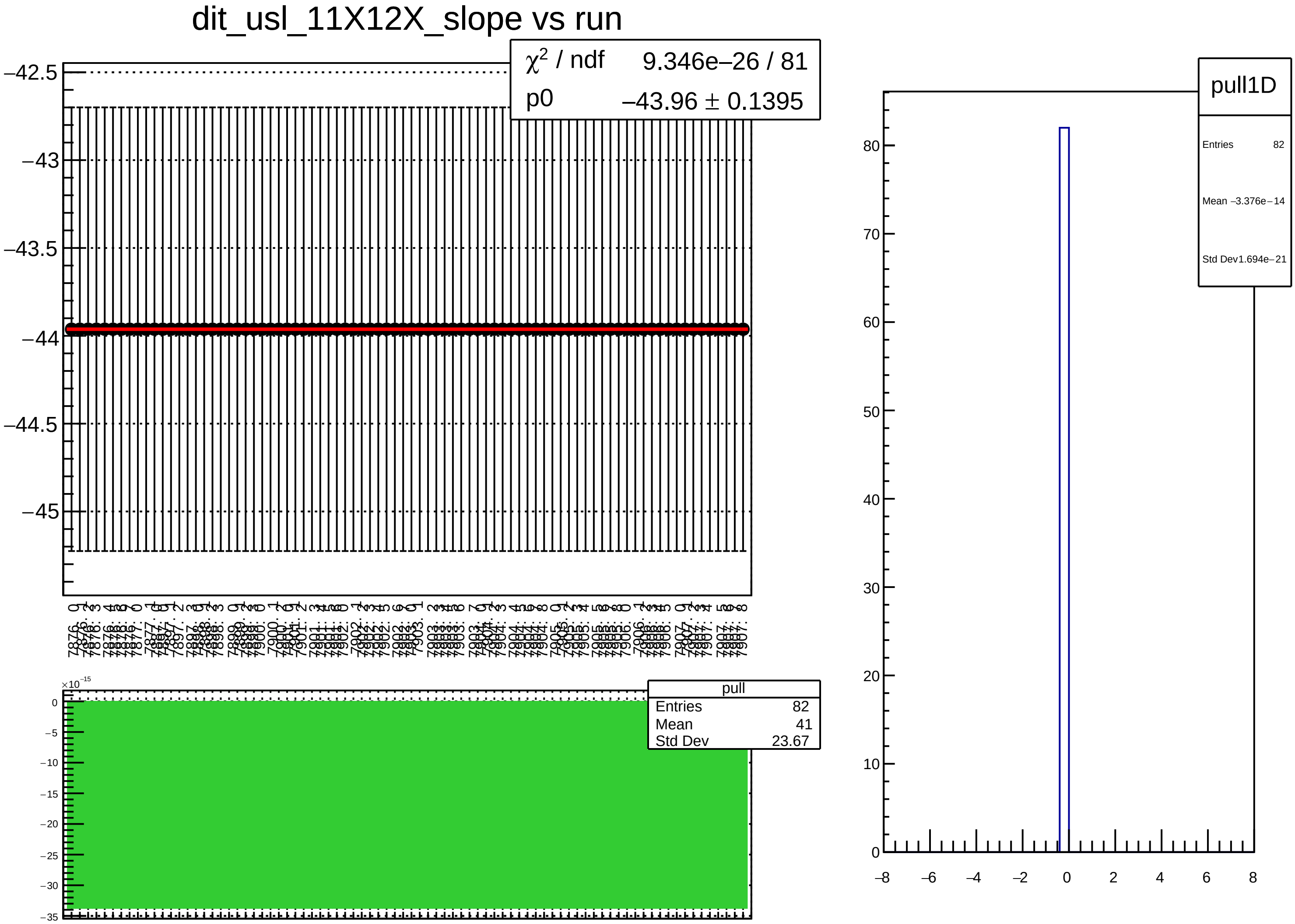
asym_sam_12345678_avg_mean vs run
χ2 / ndf 78.66 / 81
p0 3133 ± 2209
pull
Entries 82
Mean −51.58
Std Dev 47.26
pull1D
Entries 82
Mean −0.007749
Std Dev 0.9794


asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.24e+04 / 81
p0 1963 ± 1.562
2500
2400
2300
2200
2100
2000
1900
1800
1700

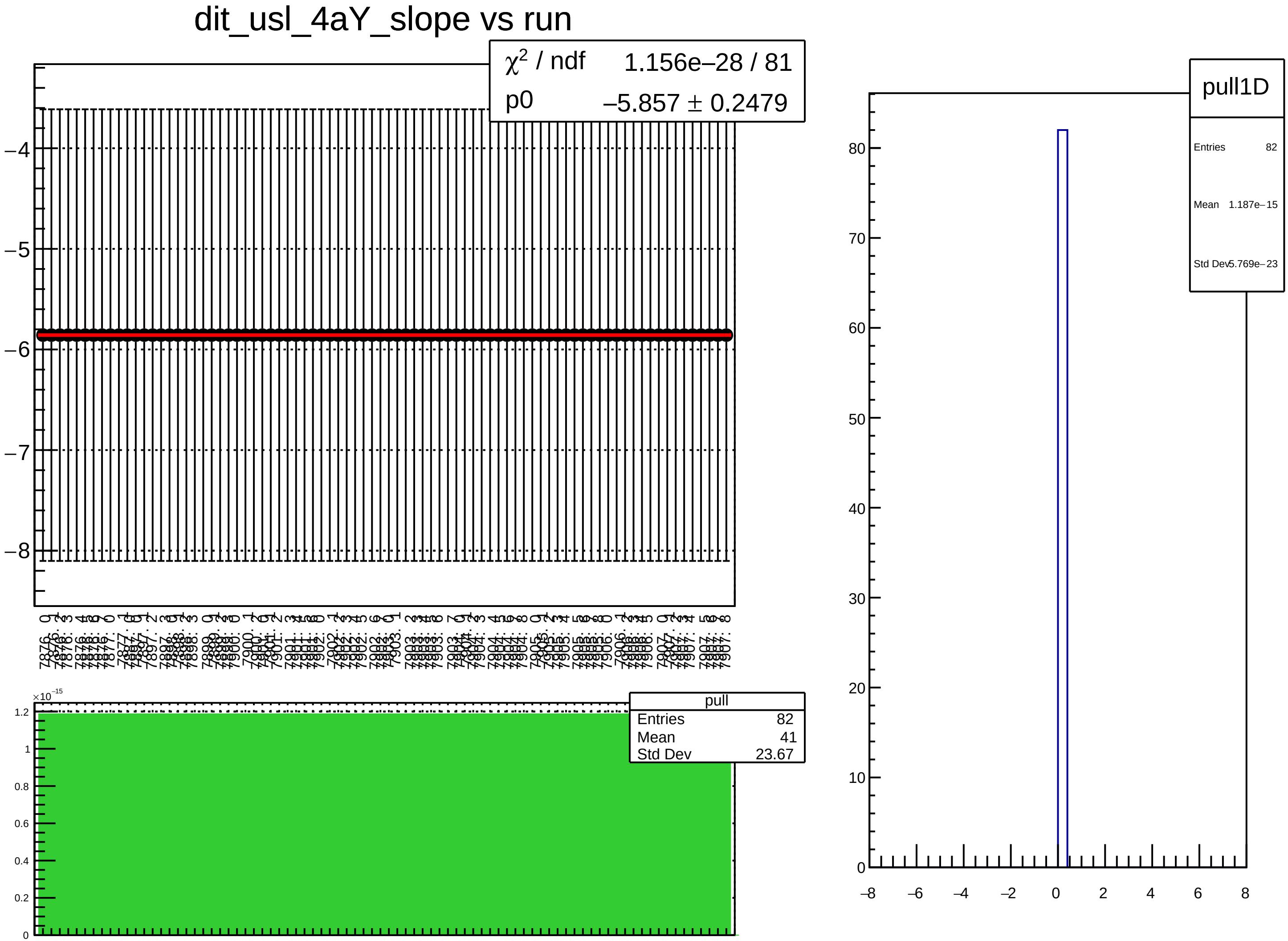


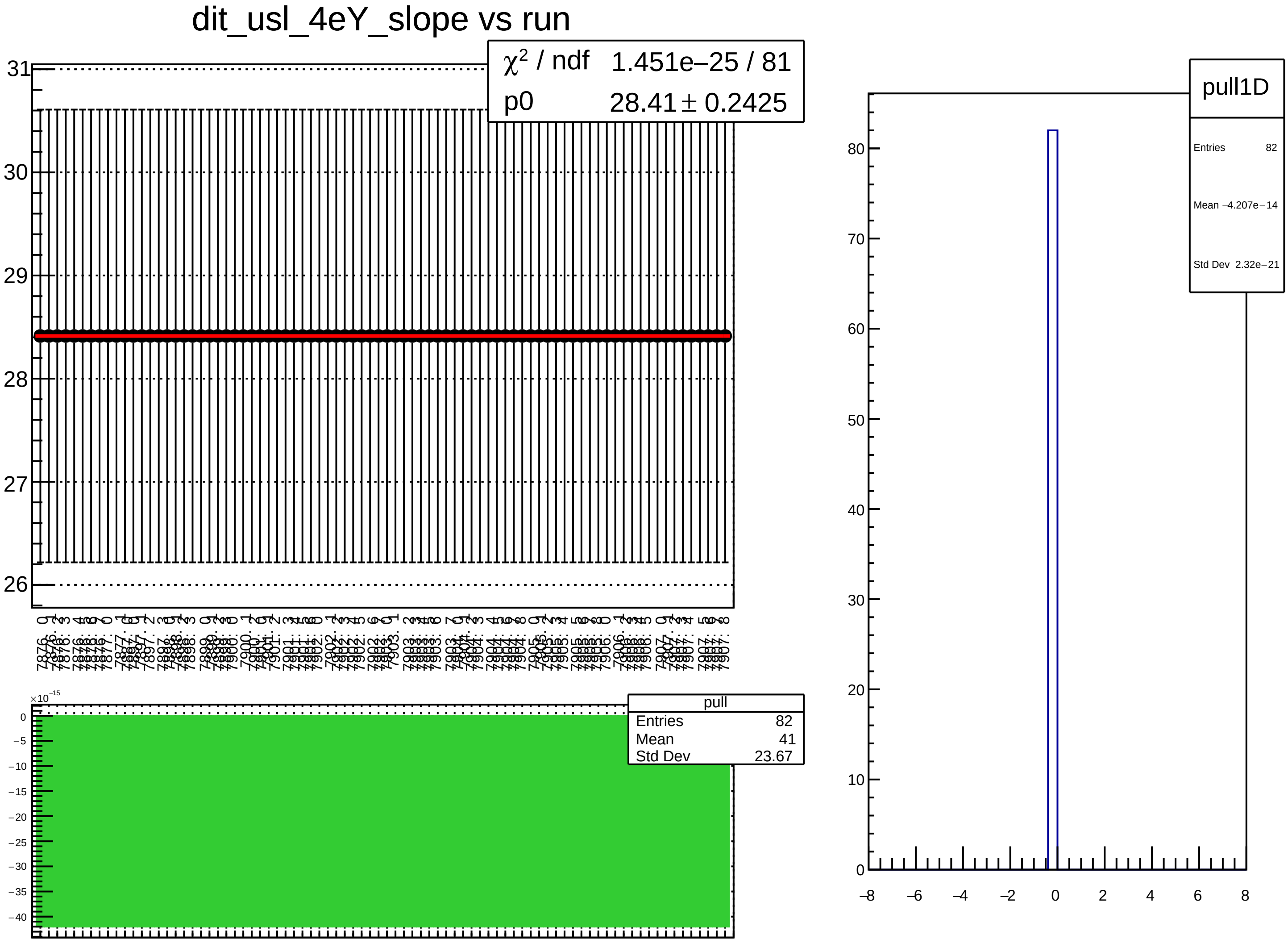
dit_usl_4aX_slope vs run
χ^2 / ndf 1.202e−27 / 81
p0 −93.31 ± 0.4098
−89
−90
−91
−92
−93
−94
−95
−96
−97
×10⁻¹⁵
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.829e−15
Std Dev 5.294e−23


dit_usl_4eX_slope vs run
χ^2 / ndf 1.924e−27 / 81
p0 20.06 ± 0.324
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.844e−15
Std Dev 1.756e−22

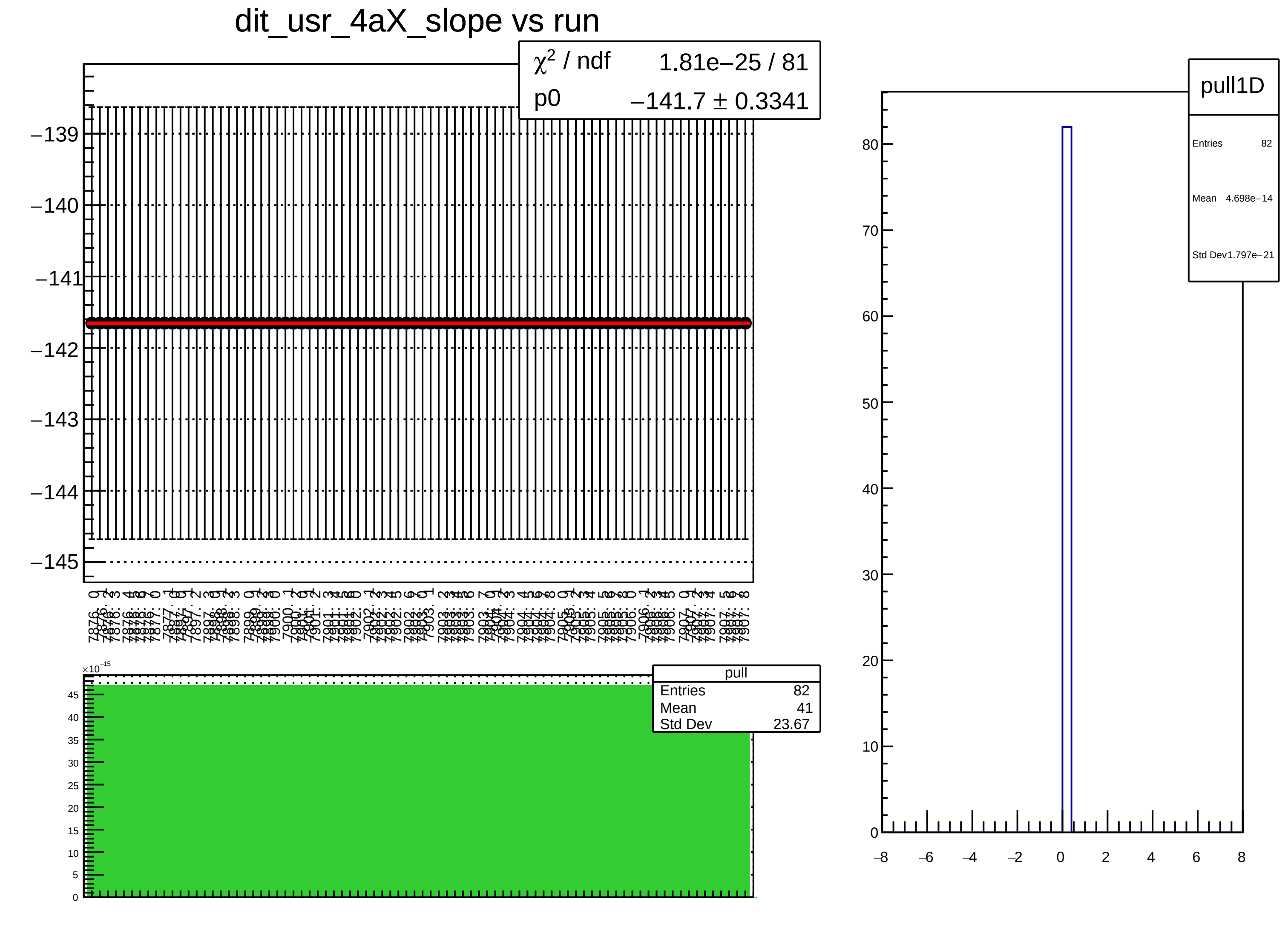


dit_usl_11X12X_slope vs run
χ2 / ndf 9.346e−26 / 81
p0 −43.96 ± 0.1395
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.376e−14
Std Dev 1.694e−21

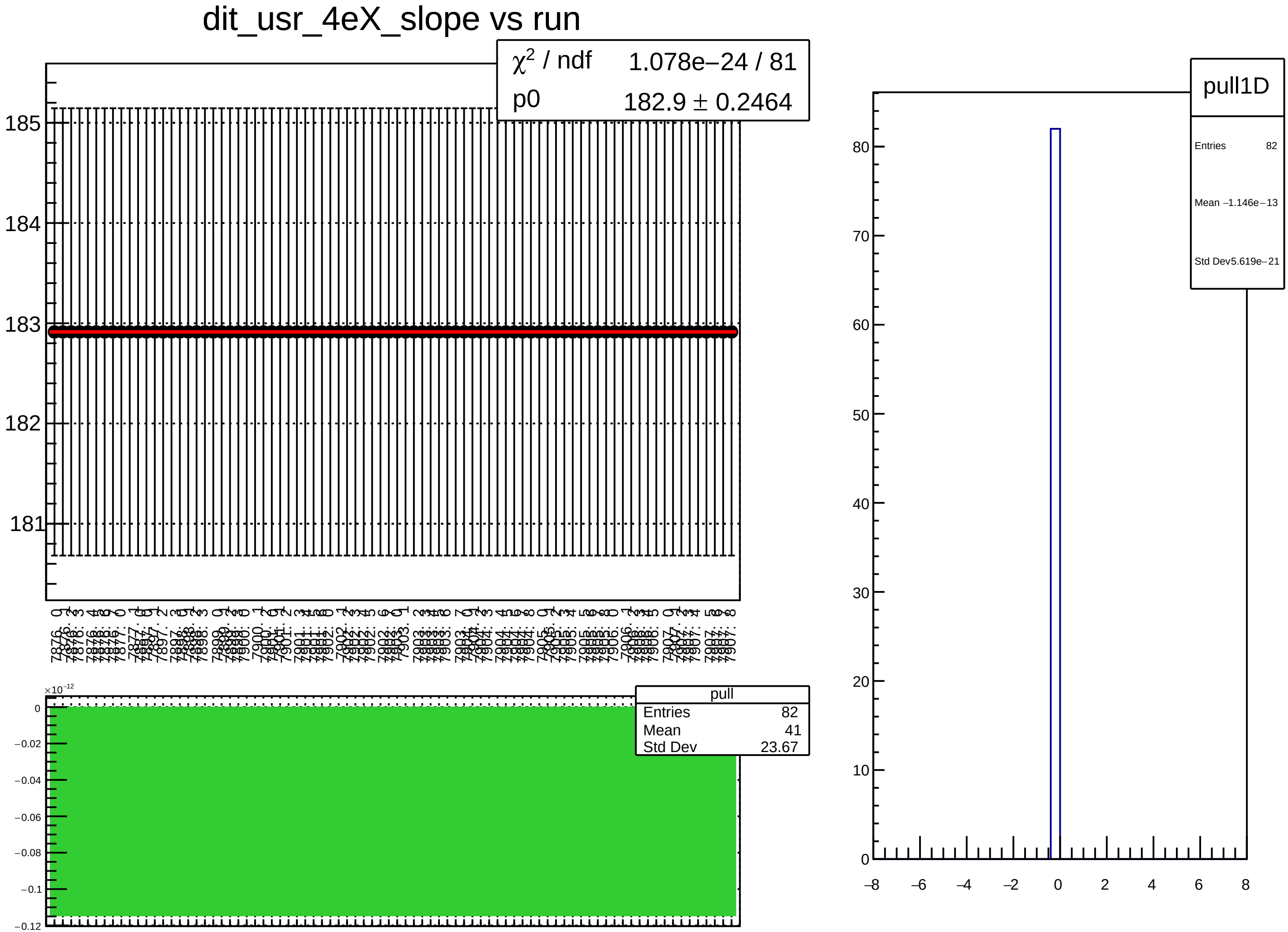

dit_usl_4aY_slope vs run
χ2 / ndf 1.156e−28 / 81
p0 −5.857 ± 0.2479
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.187e−15
Std Dev 5.769e−23

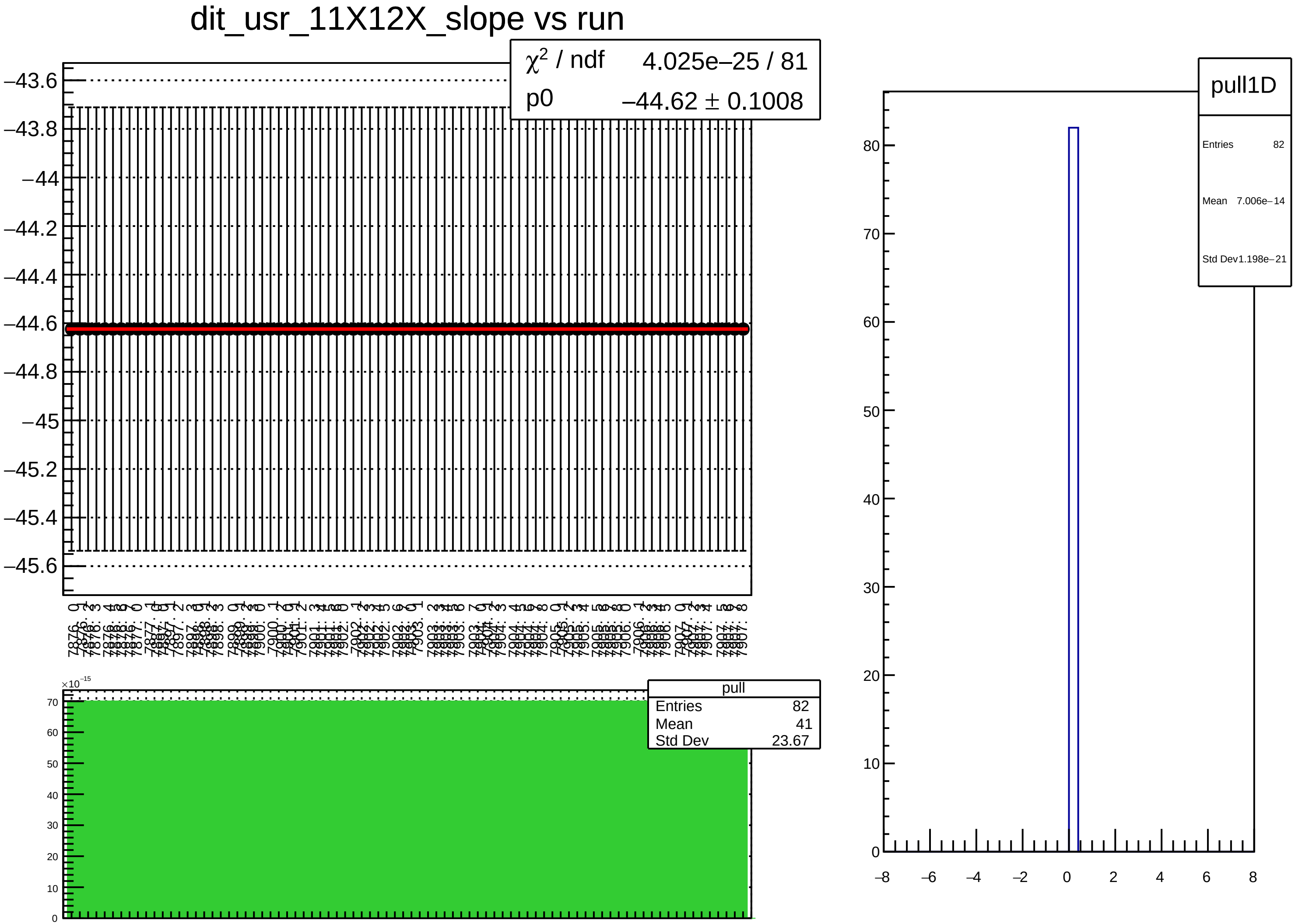


dit_usl_4eY_slope vs run
χ² / ndf 1.451e−25 / 81
p0 28.41 ± 0.2425
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.207e−14
Std Dev 2.32e−21



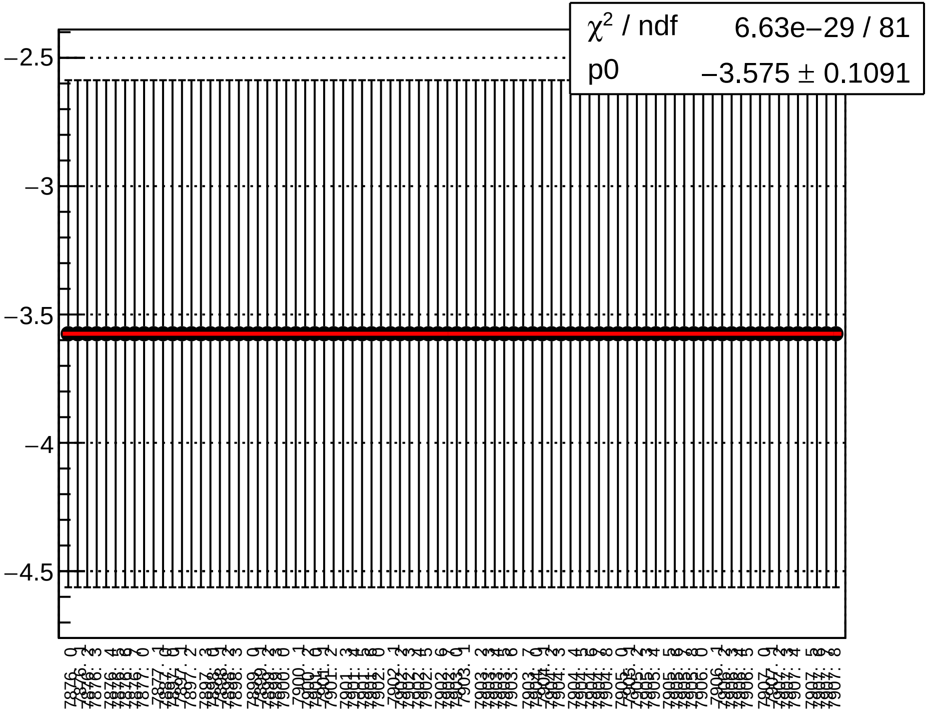
dit_usr_4aX_slope vs run
χ^2 / ndf 1.81e−25 / 81
p0 −141.7 ± 0.3341
−139
−140
−141
−142
−143
−144
−145
×10^{-15}
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.698e−14
Std Dev 1.797e−21

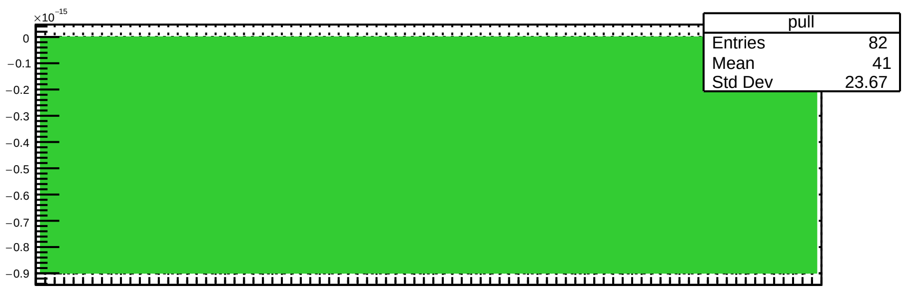

dit_usr_4eX_slope vs run
χ^2 / ndf 1.078e−24 / 81
p0 182.9 ± 0.2464
185
184
183
182
181
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 82
Mean −1.146e−13
Std Dev 5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

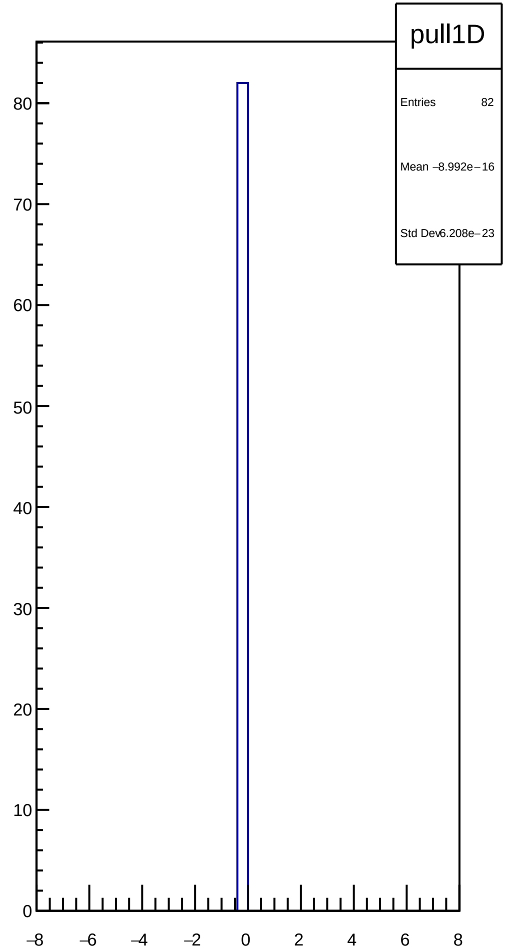


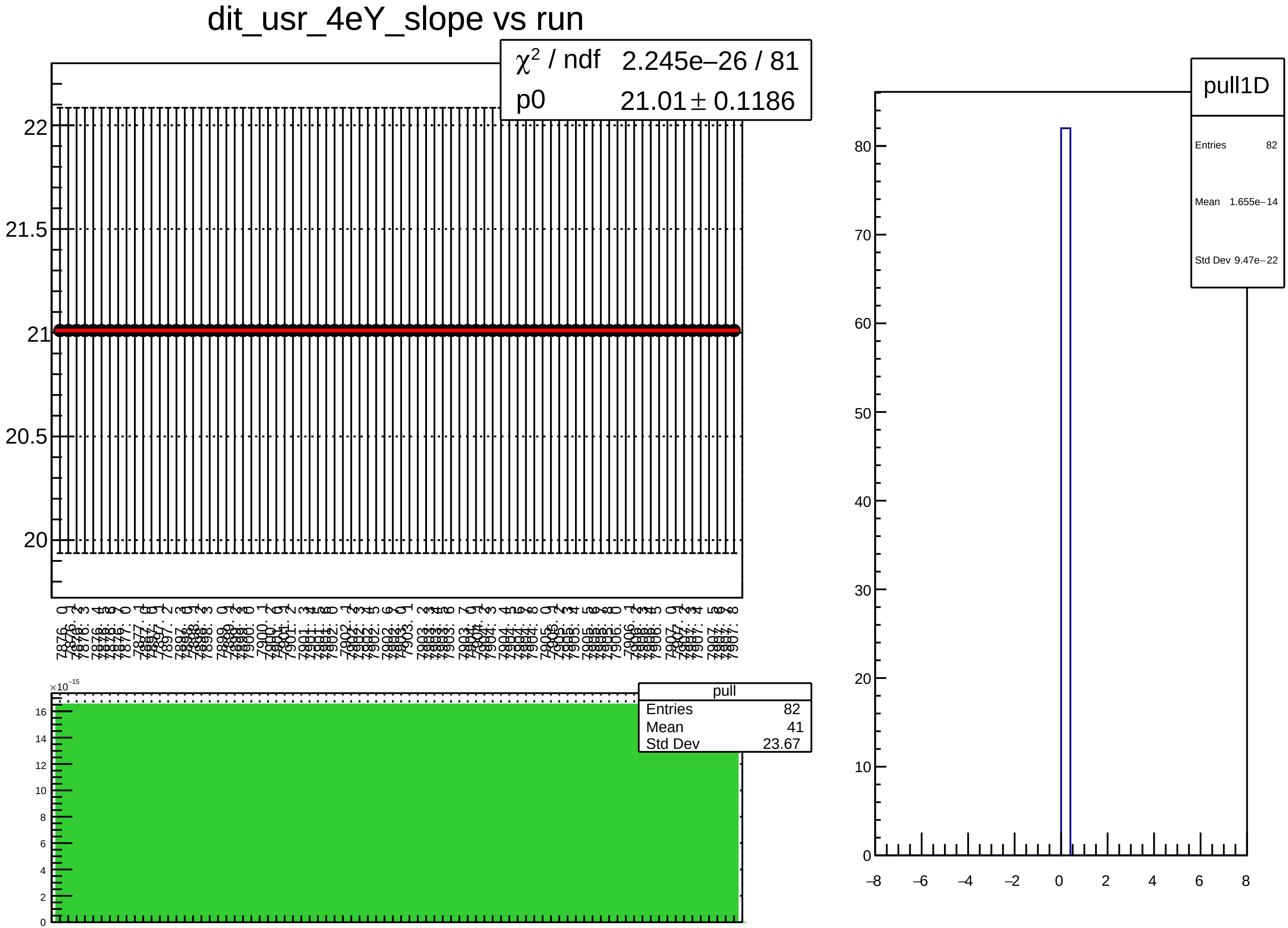
dit_usr_11X12X_slope vs run
χ2 / ndf 4.025e−25 / 81
p0 −44.62 ± 0.1008
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.006e−14
Std Dev 1.198e−21

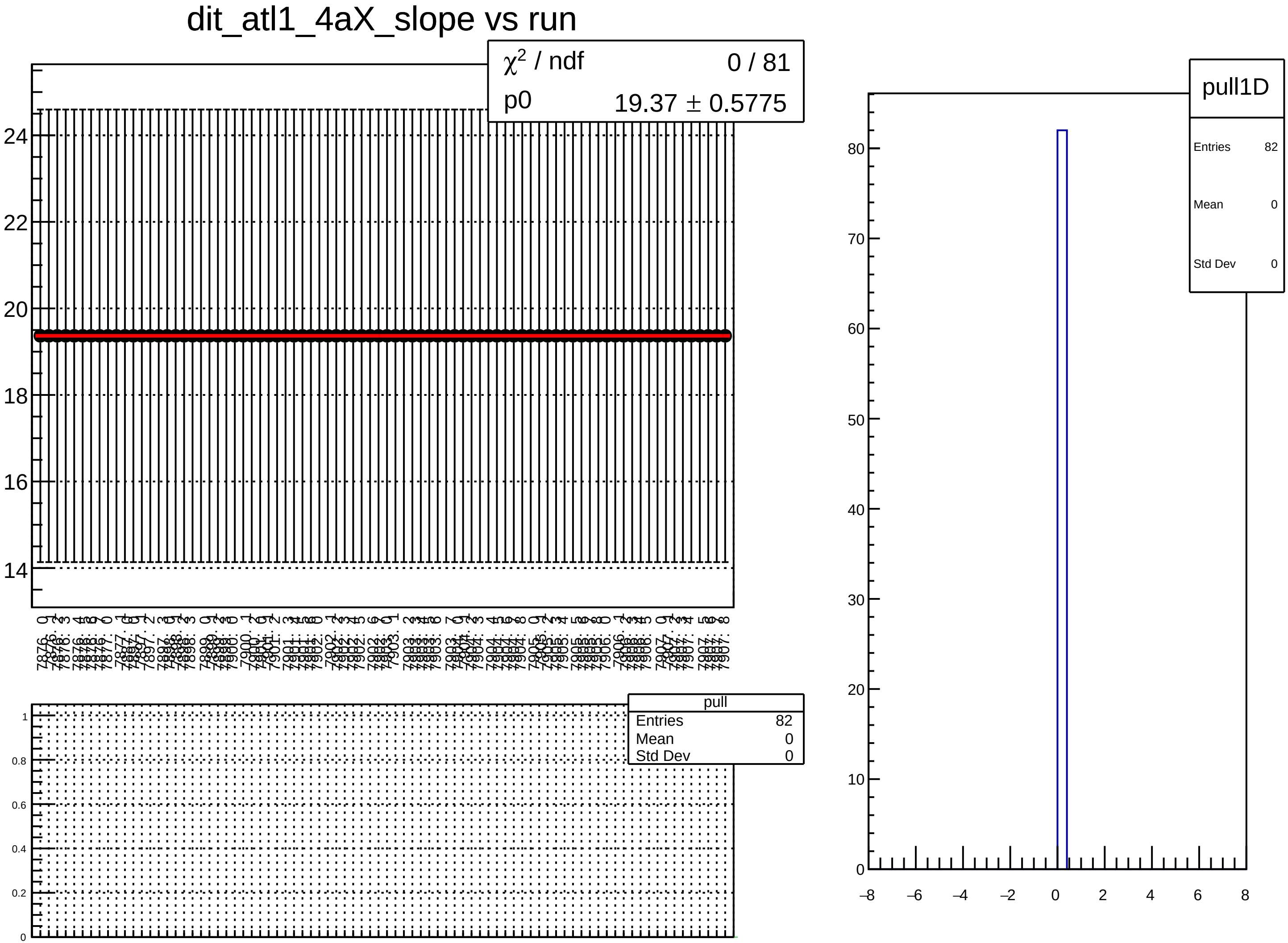
dit_usr_4aY_slope vs run



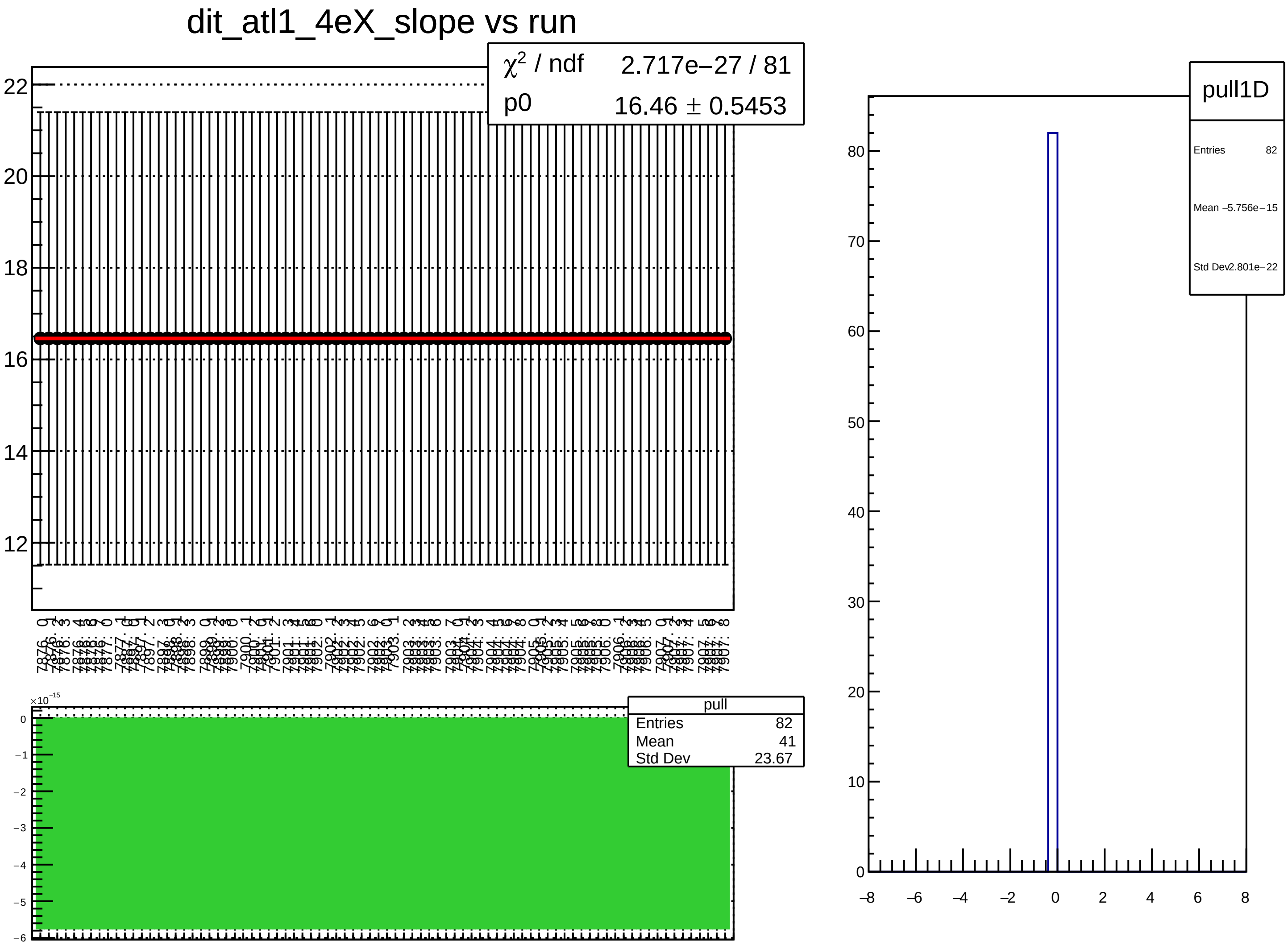


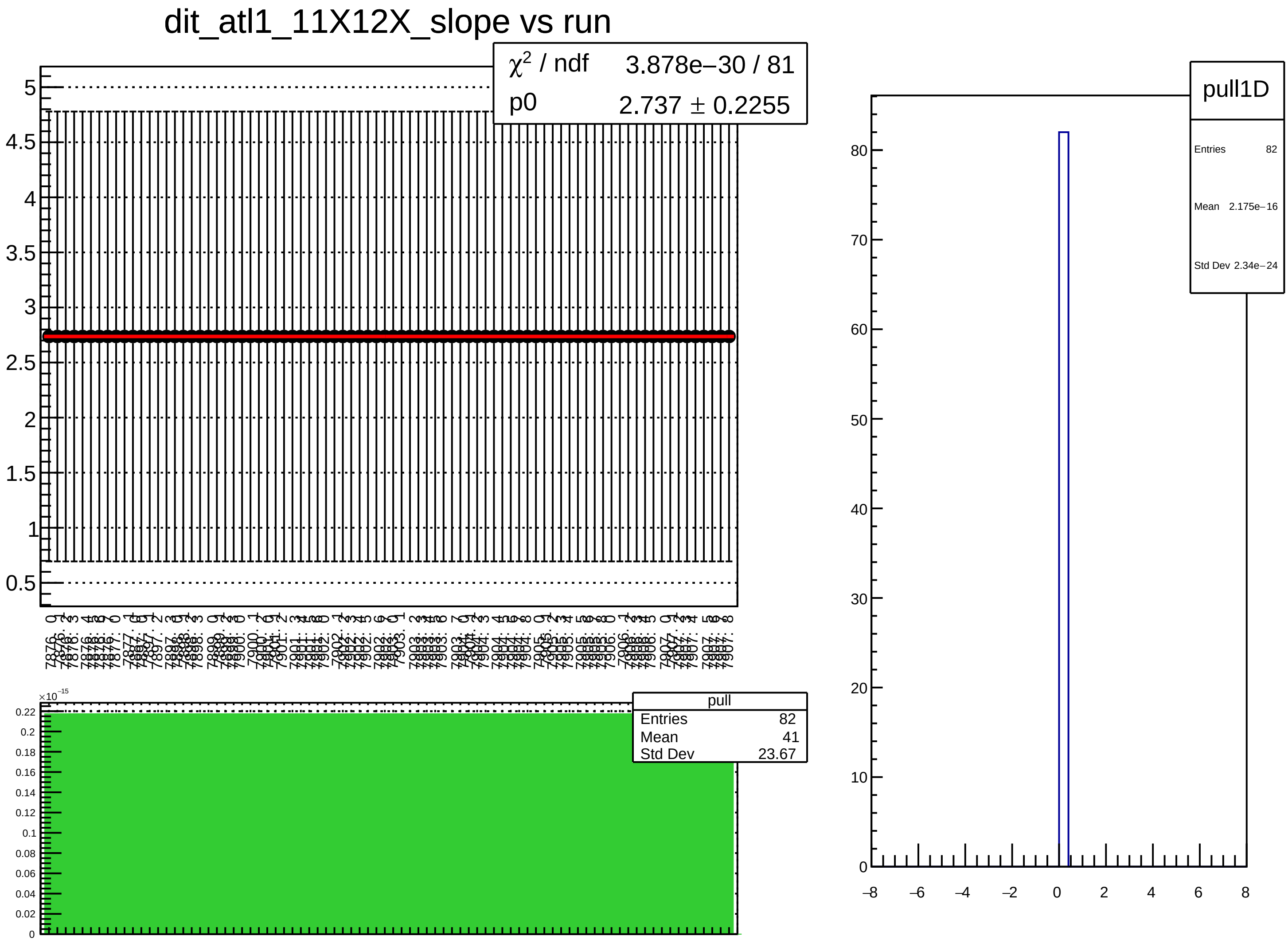


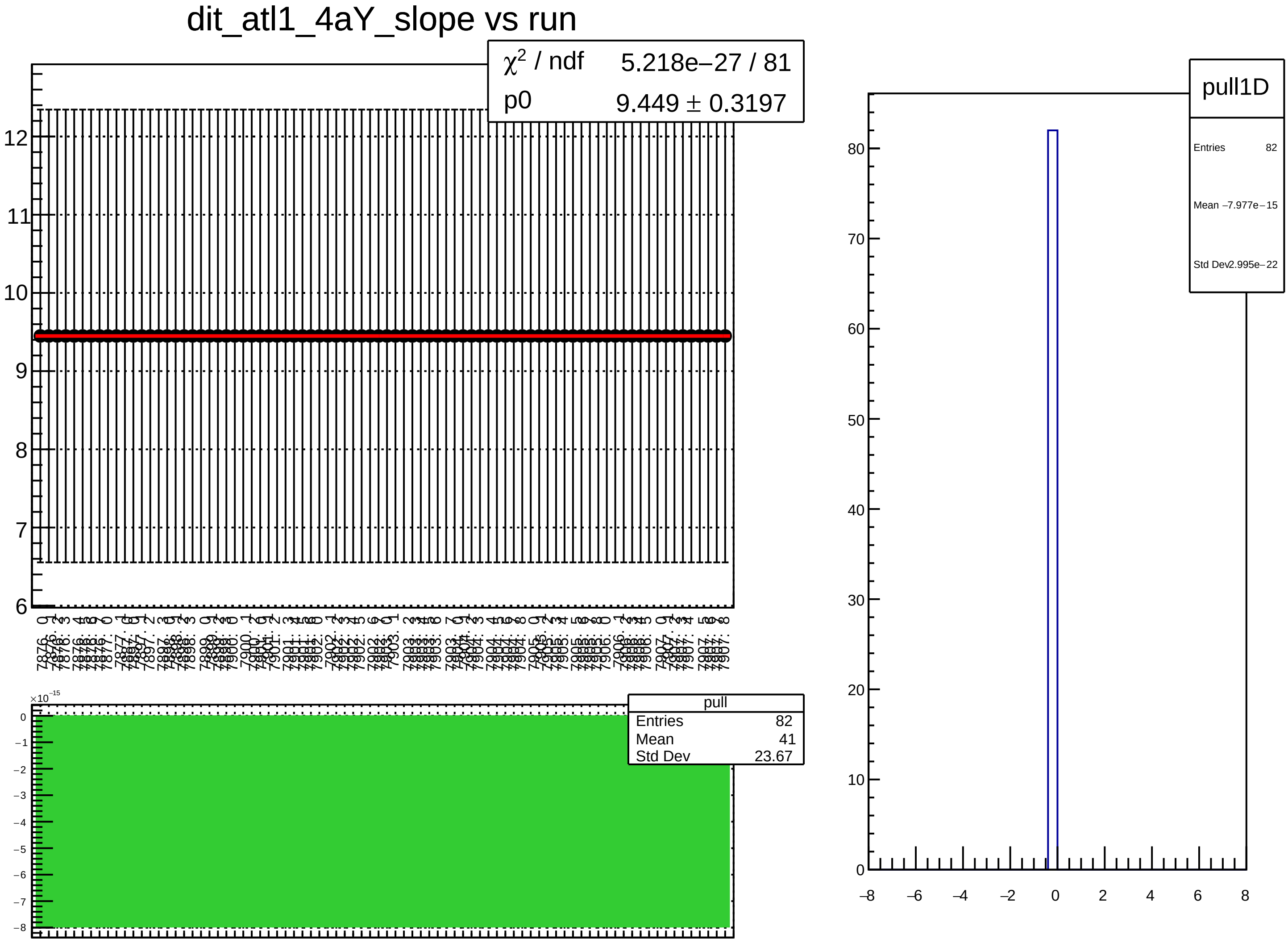

dit_usr_4eY_slope vs run
χ2 / ndf 2.245e−26 / 81
p0 21.01 ± 0.1186
22
21.5
21
20.5
20
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.655e−14
Std Dev 9.47e−22



dit_atl1_4aX_slope vs run
χ2 / ndf 0 / 81
p0 19.37 ± 0.5775
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0

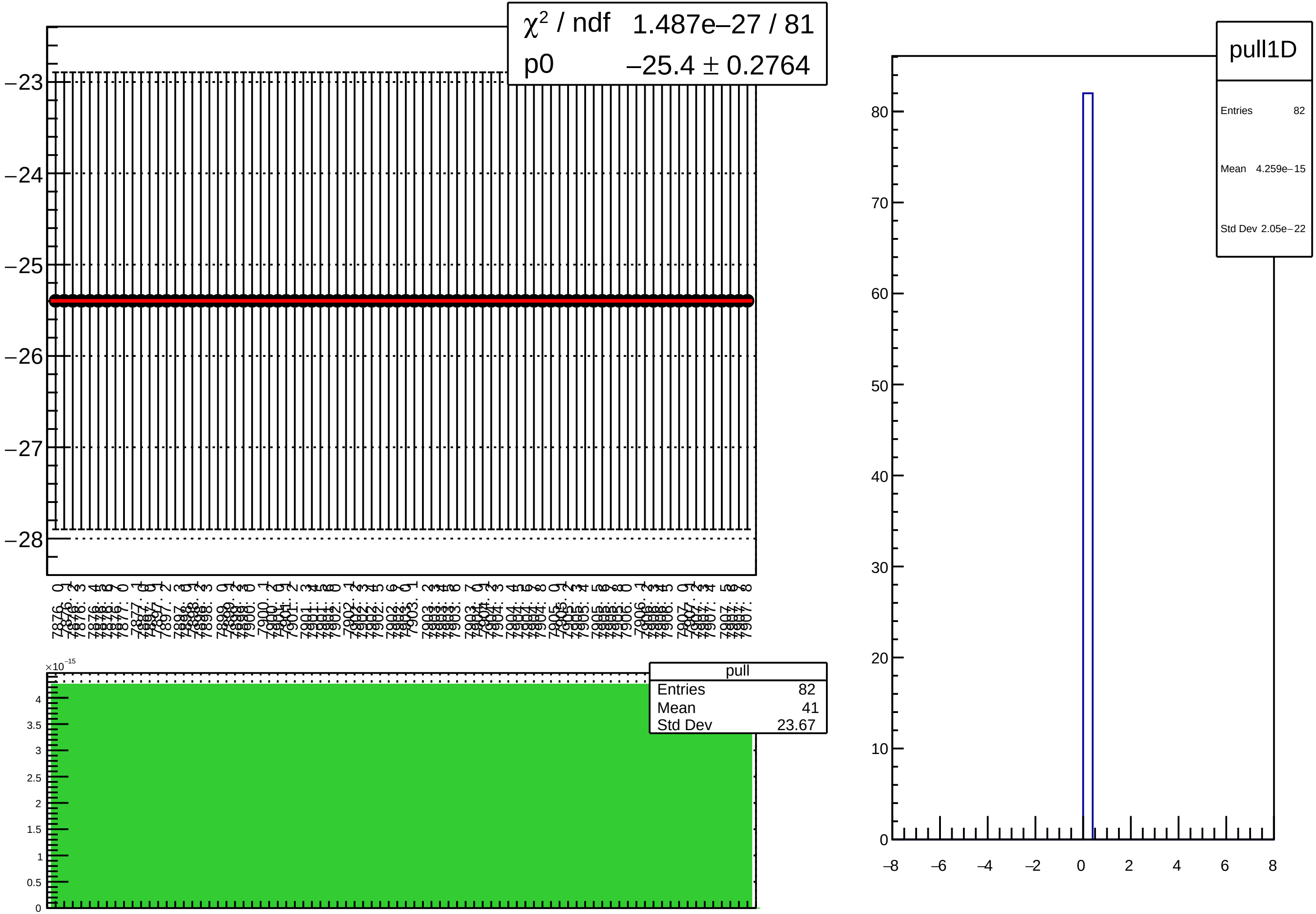

dit_atl1_4eX_slope vs run
χ^2 / ndf 2.717e−27 / 81
p0 16.46 ± 0.5453
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.756e−15
Std Dev 2.801e−22

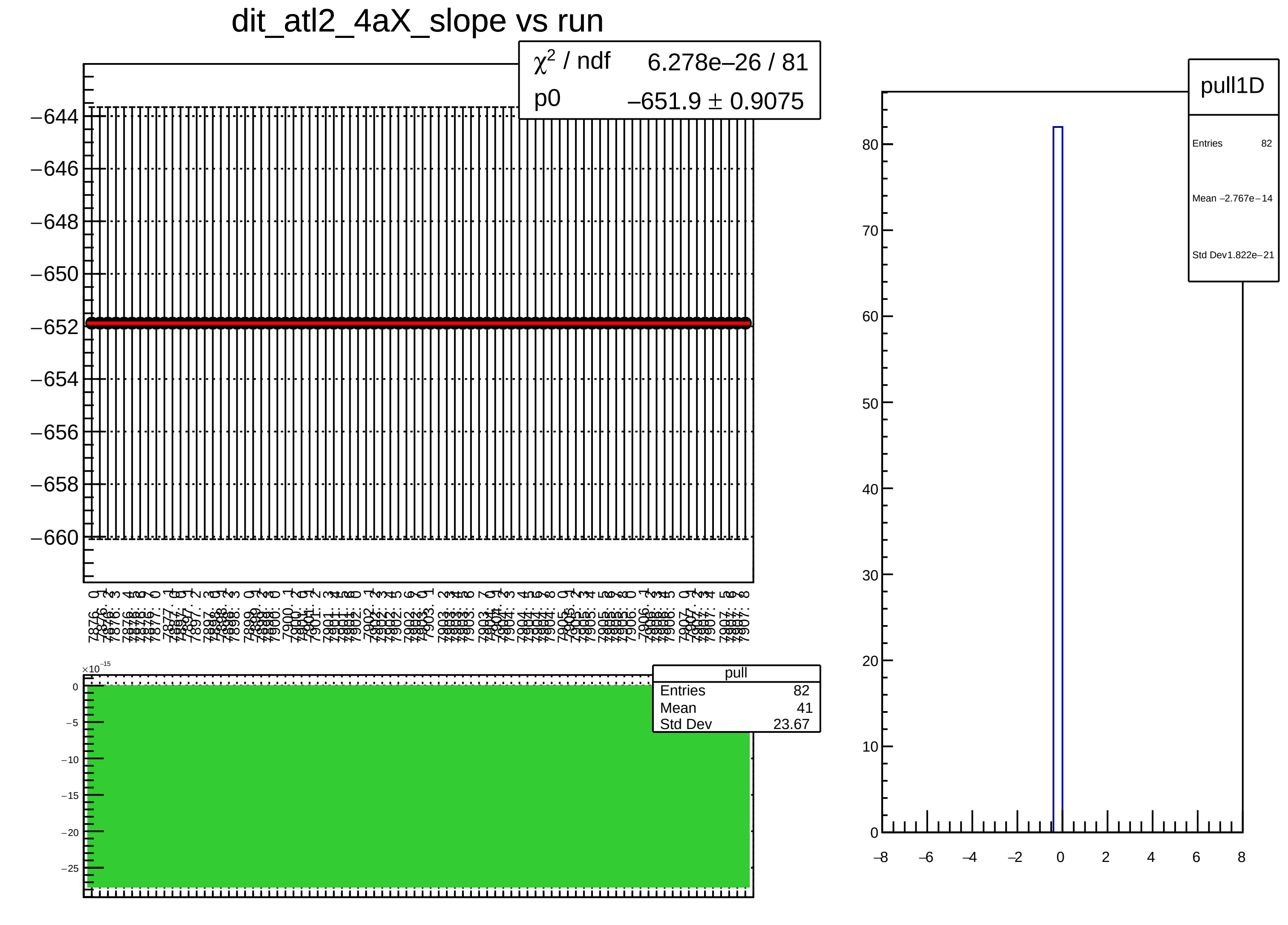

dit_atl1_11X12X_slope vs run
χ^2 / ndf 3.878e−30 / 81
p0 2.737 ± 0.2255
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.175e−16
Std Dev 2.34e−24

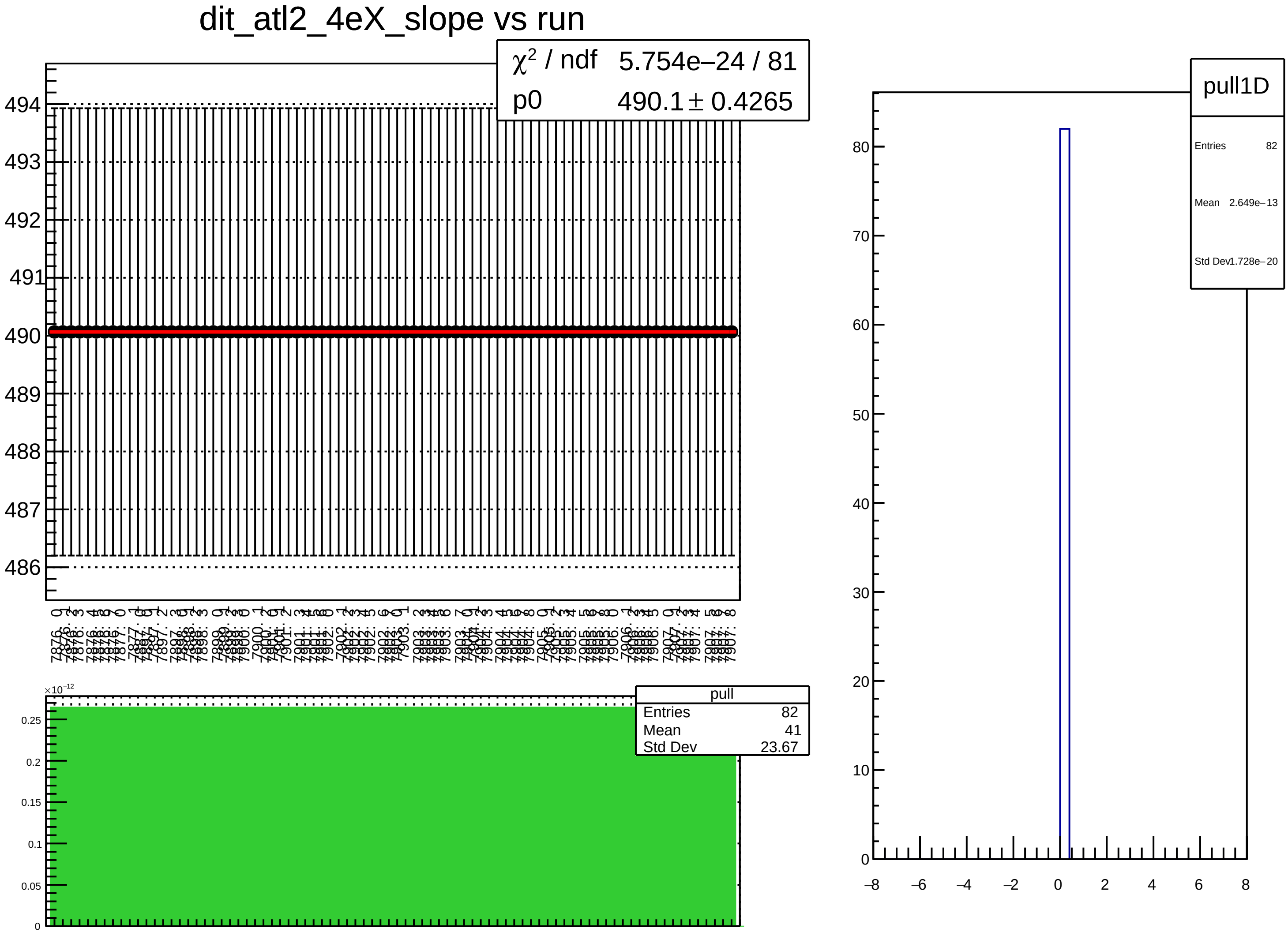


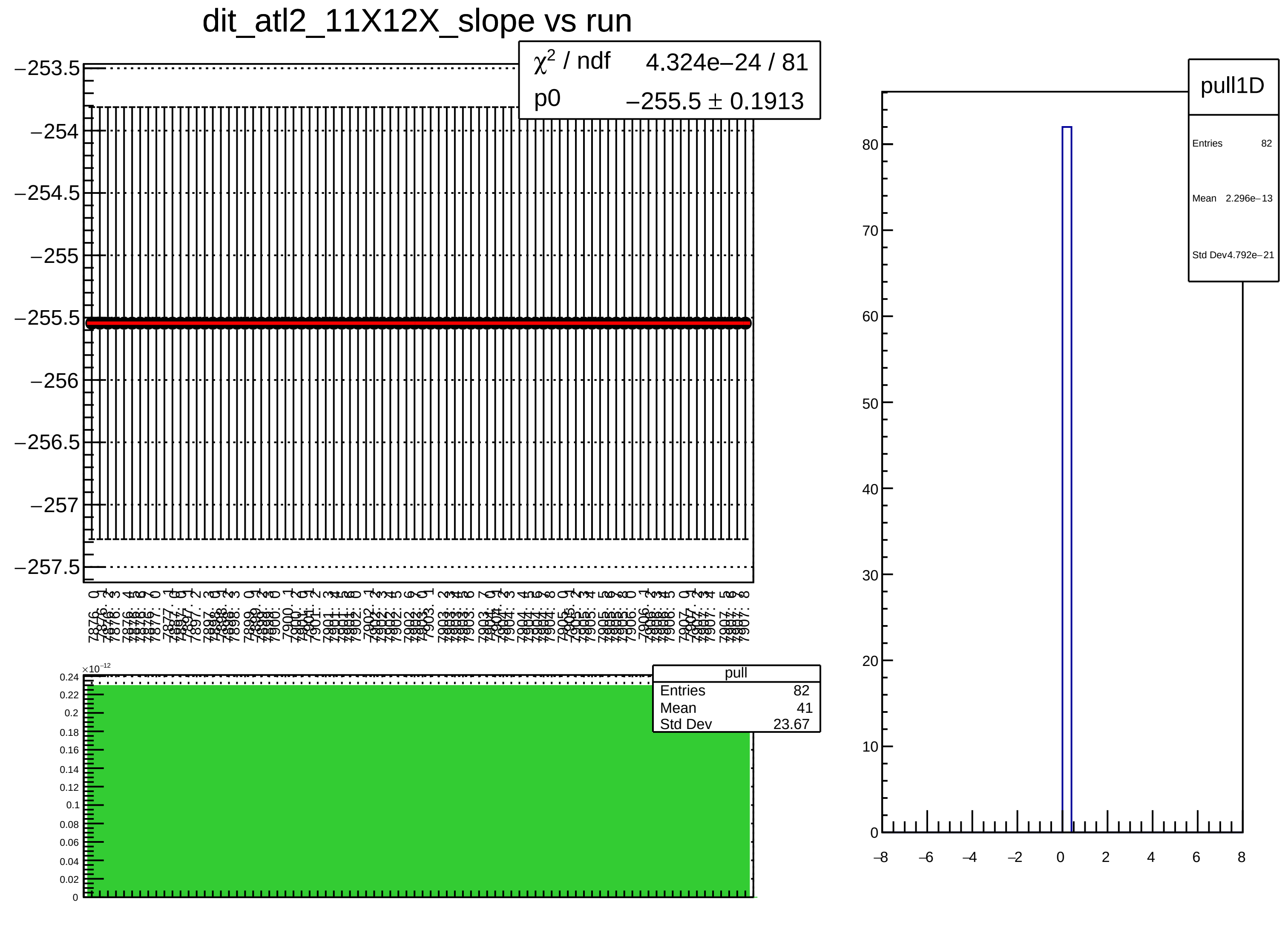
dit_atl1_4aY_slope vs run
χ2 / ndf 5.218e−27 / 81
p0 9.449 ± 0.3197
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.977e−15
Std Dev2.995e−22

dit_atl1_4eY_slope vs run

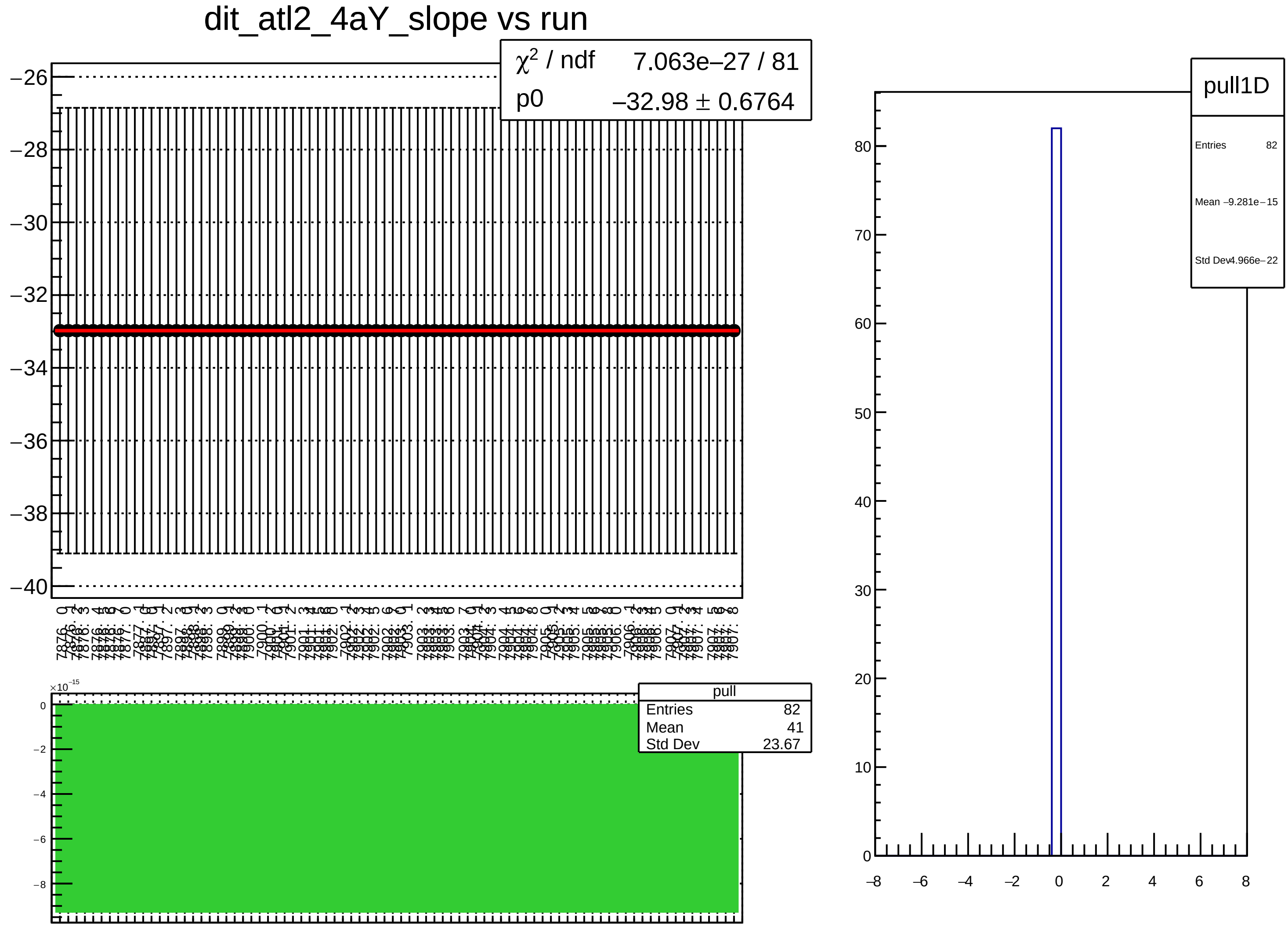


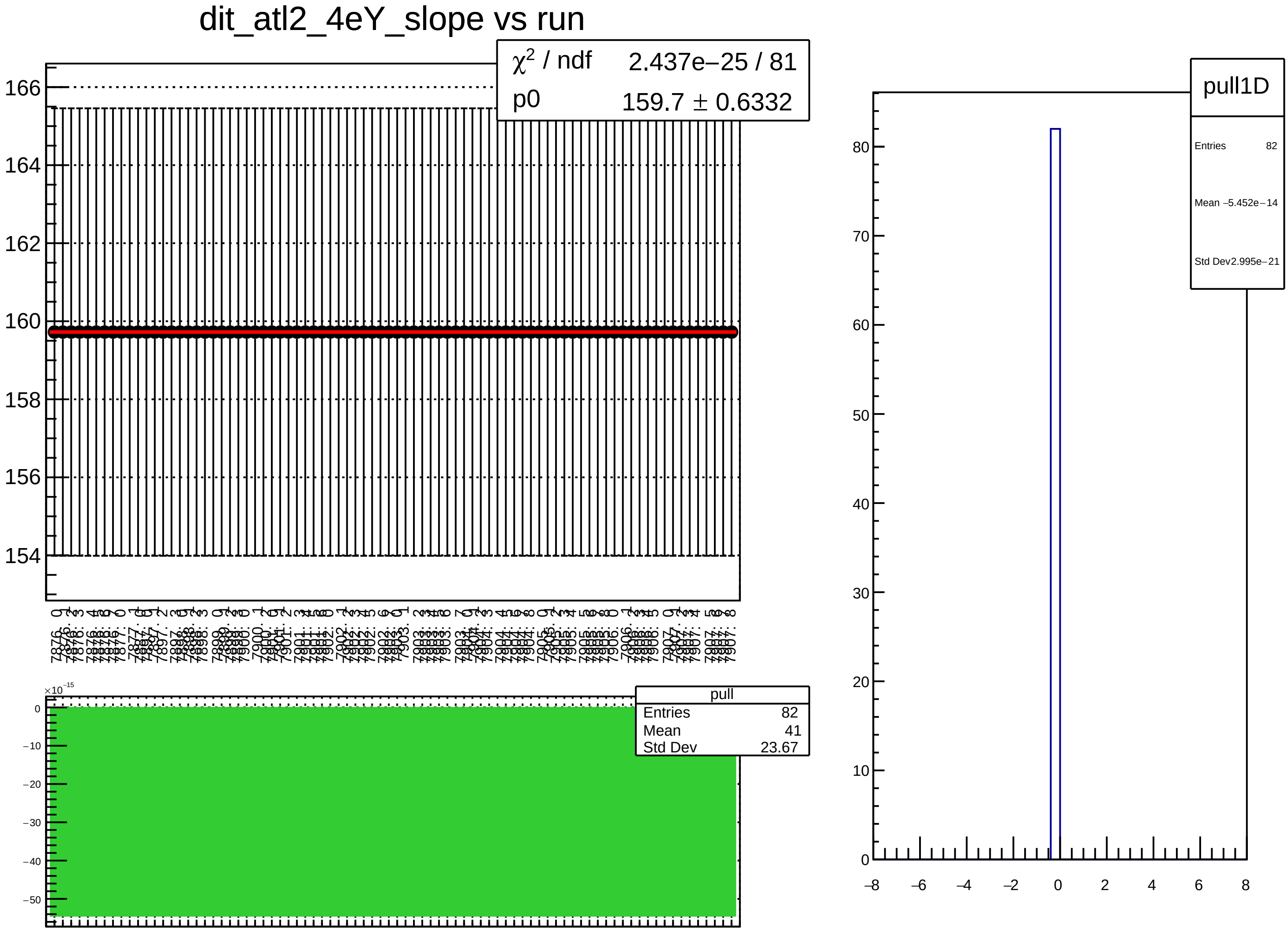

dit_atl2_4aX_slope vs run
χ^2 / ndf 6.278e−26 / 81
p0 −651.9 ± 0.9075
−644
−646
−648
−650
−652
−654
−656
−658
−660
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.767e−14
Std Dev1.822e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4eX_slope vs run
χ2 / ndf 5.754e−24 / 81
p0 490.1 ± 0.4265
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.649e−13
Std Dev 1.728e−20
×10−12

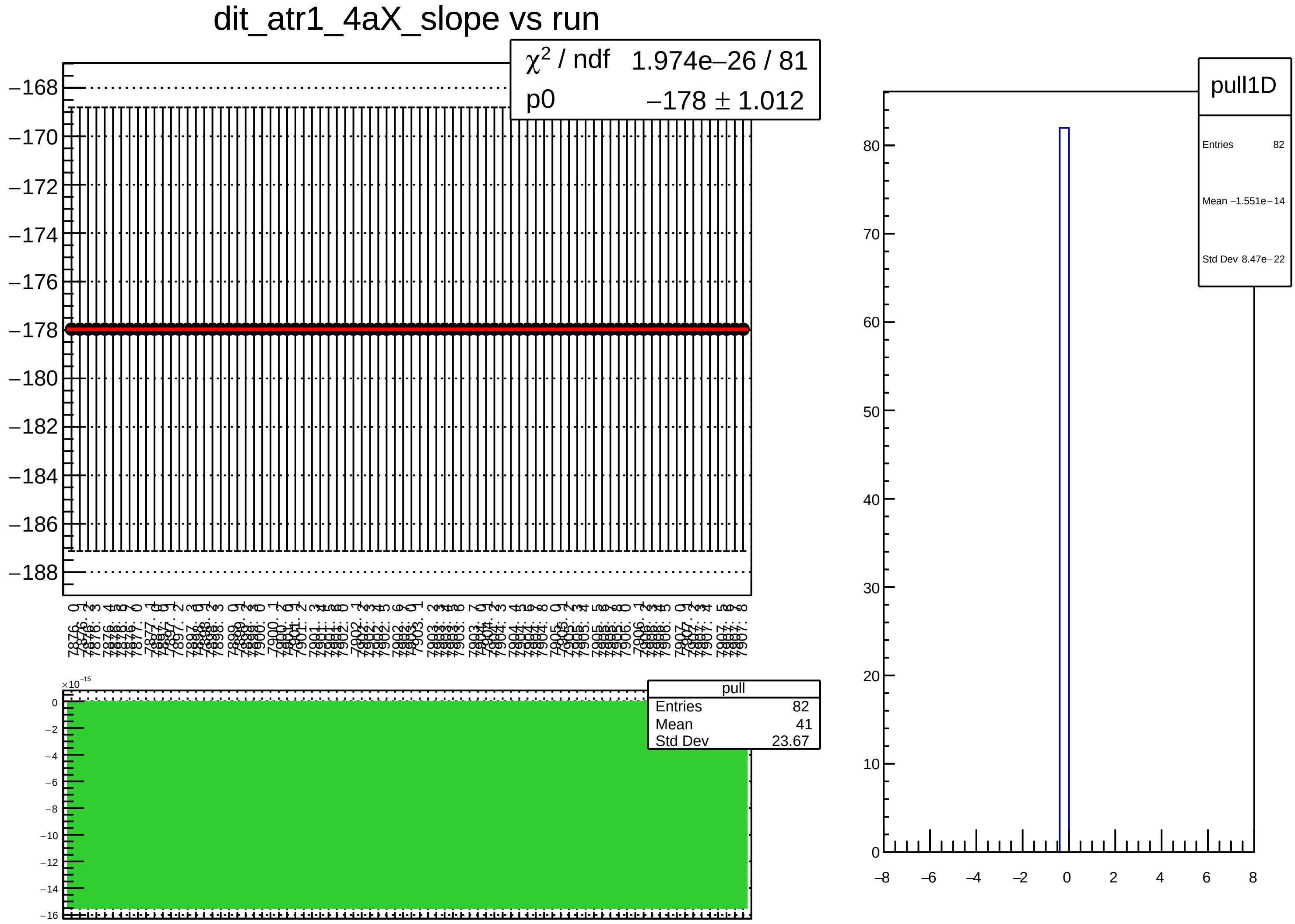


dit_atl2_11X12X_slope vs run
χ2 / ndf 4.324e−24 / 81
p0 −255.5 ± 0.1913
−253.5
−254
−254.5
−255
−255.5
−256
−256.5
−257
−257.5
×10−12
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.296e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4aY_slope vs run
χ2 / ndf 7.063e−27 / 81
p0 −32.98 ± 0.6764
−26
−28
−30
−32
−34
−36
−38
−40
×10−15
0
−2
−4
−6
−8
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −9.281e−15
Std Dev 4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

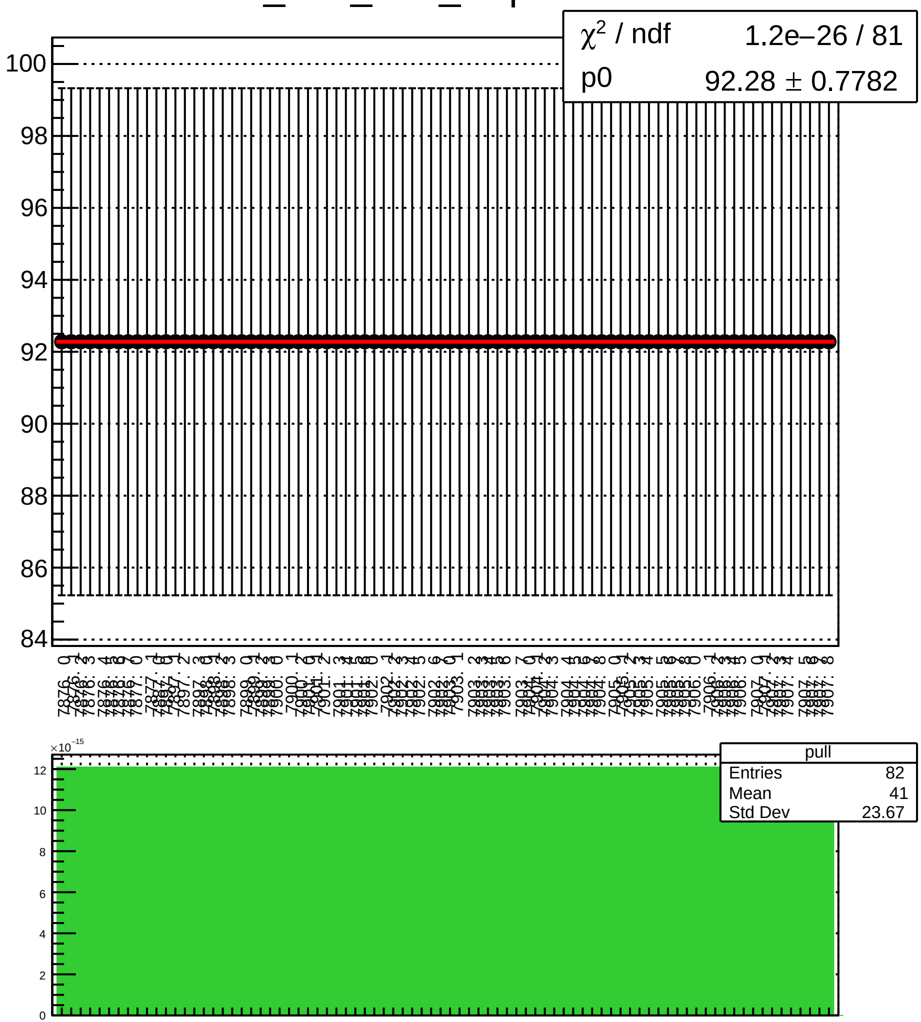


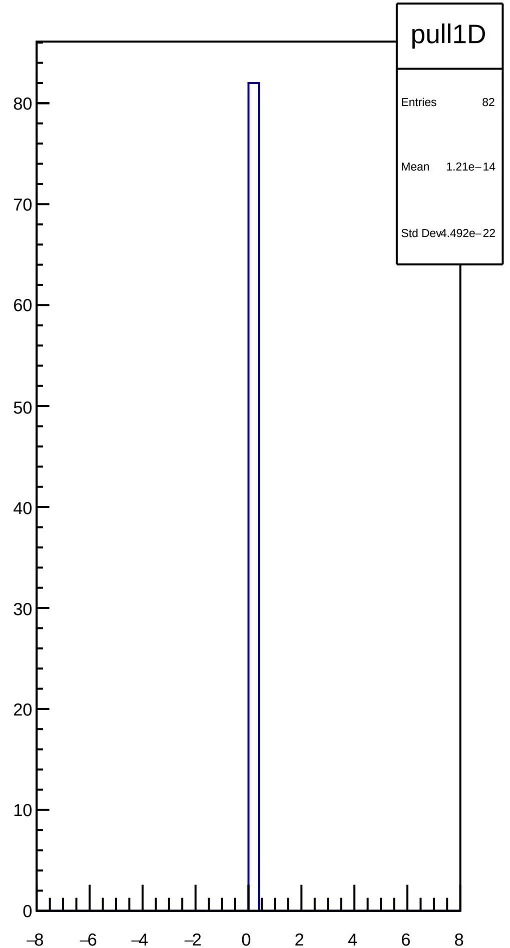
dit_atl2_4eY_slope vs run
χ^2 / ndf 2.437e−25 / 81
p0 159.7 ± 0.6332
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.452e−14
Std Dev 2.995e−21

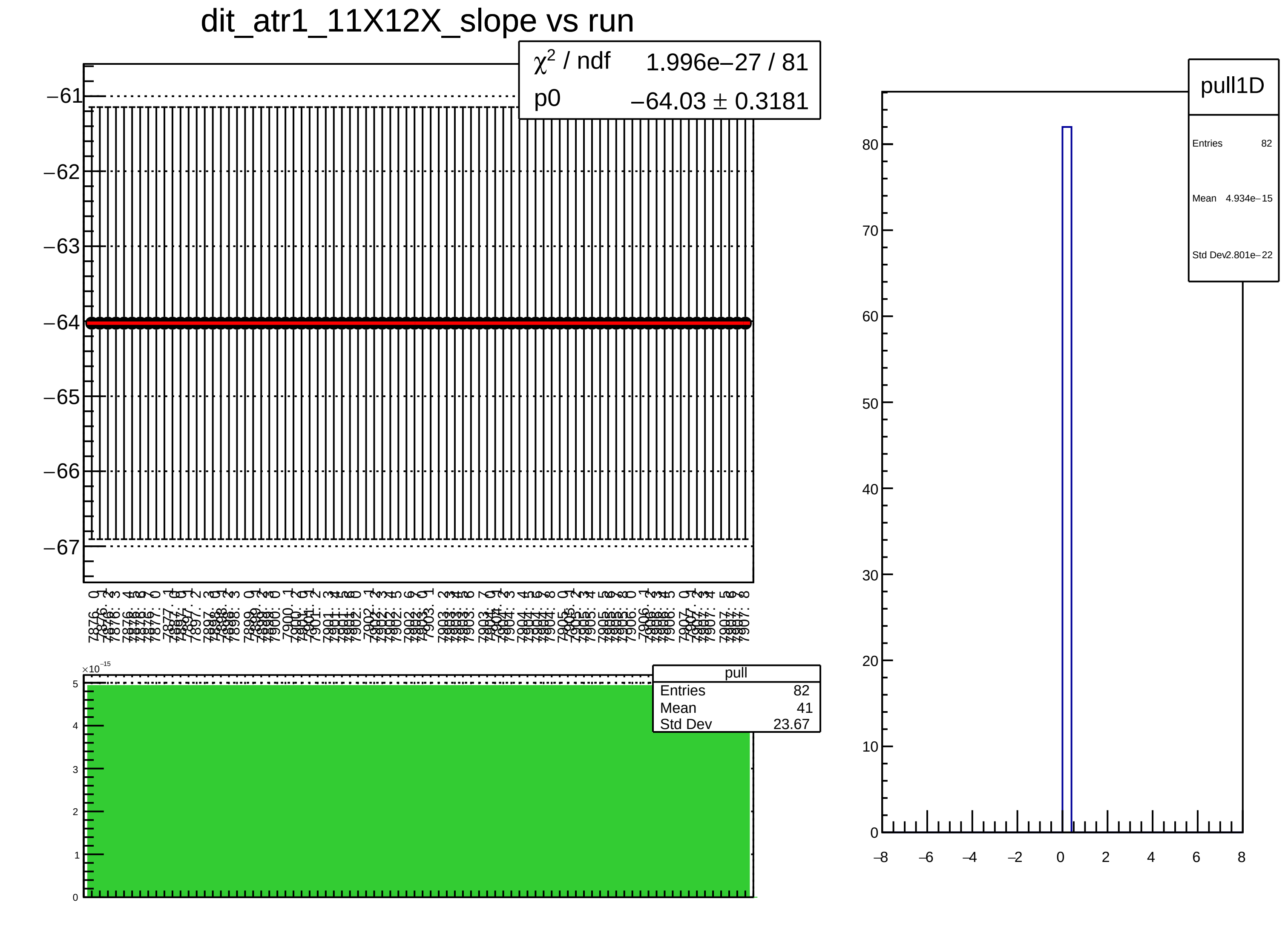


dit_atr1_4aX_slope vs run
χ^2 / ndf 1.974e−26 / 81
p0 −178 ± 1.012
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.551e−14
Std Dev 8.47e−22

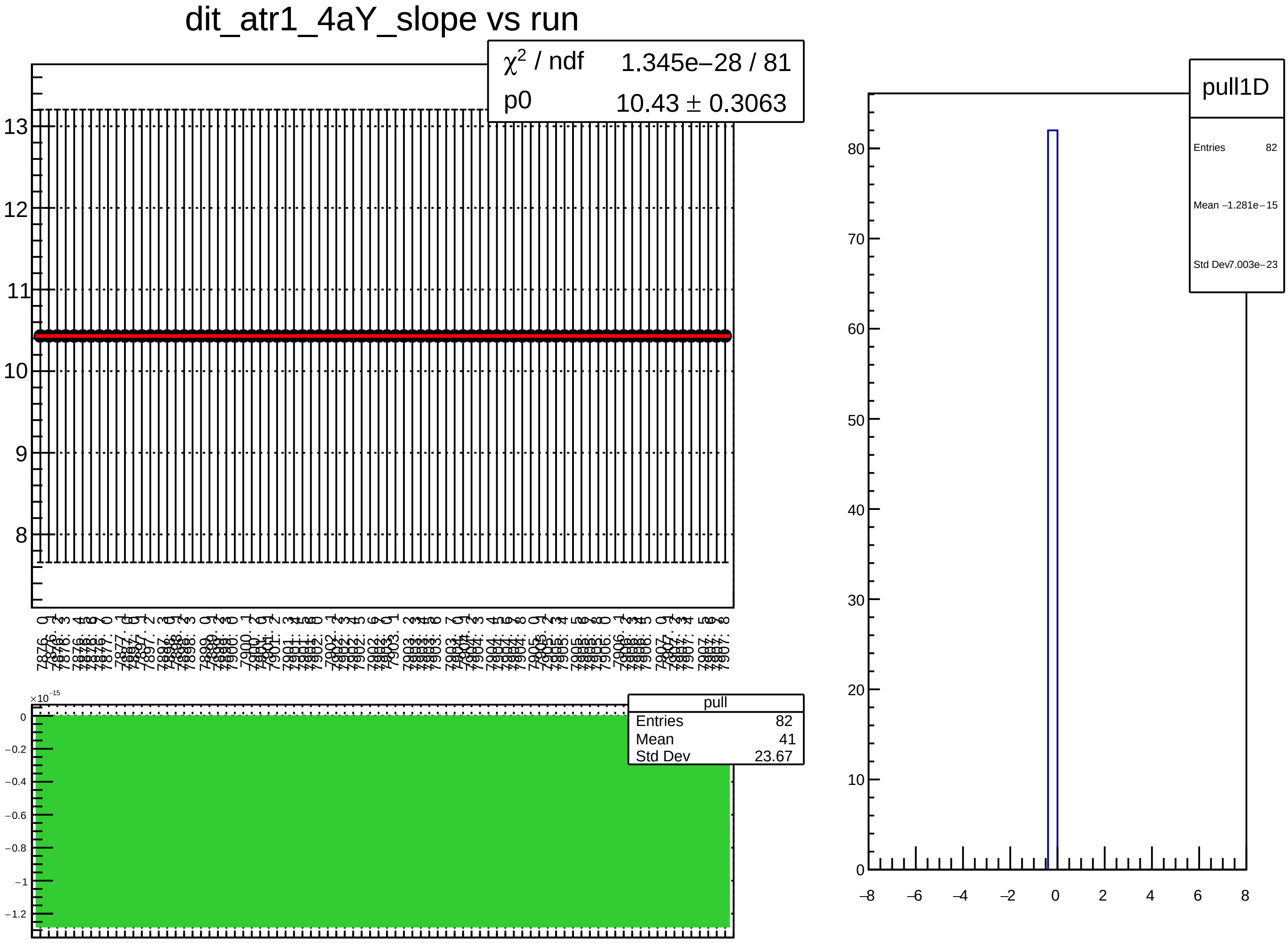
dit_atr1_4eX_slope vs run



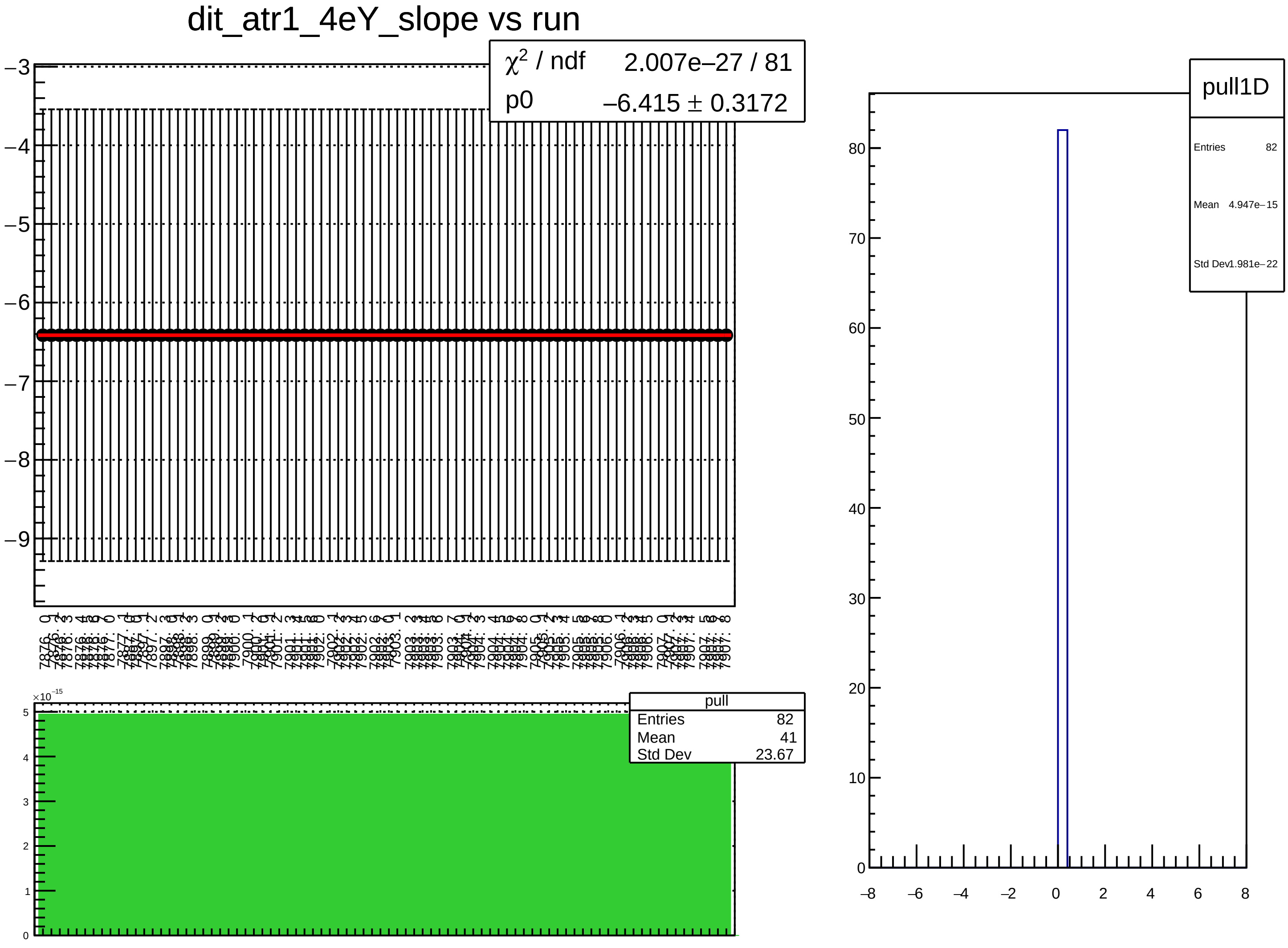




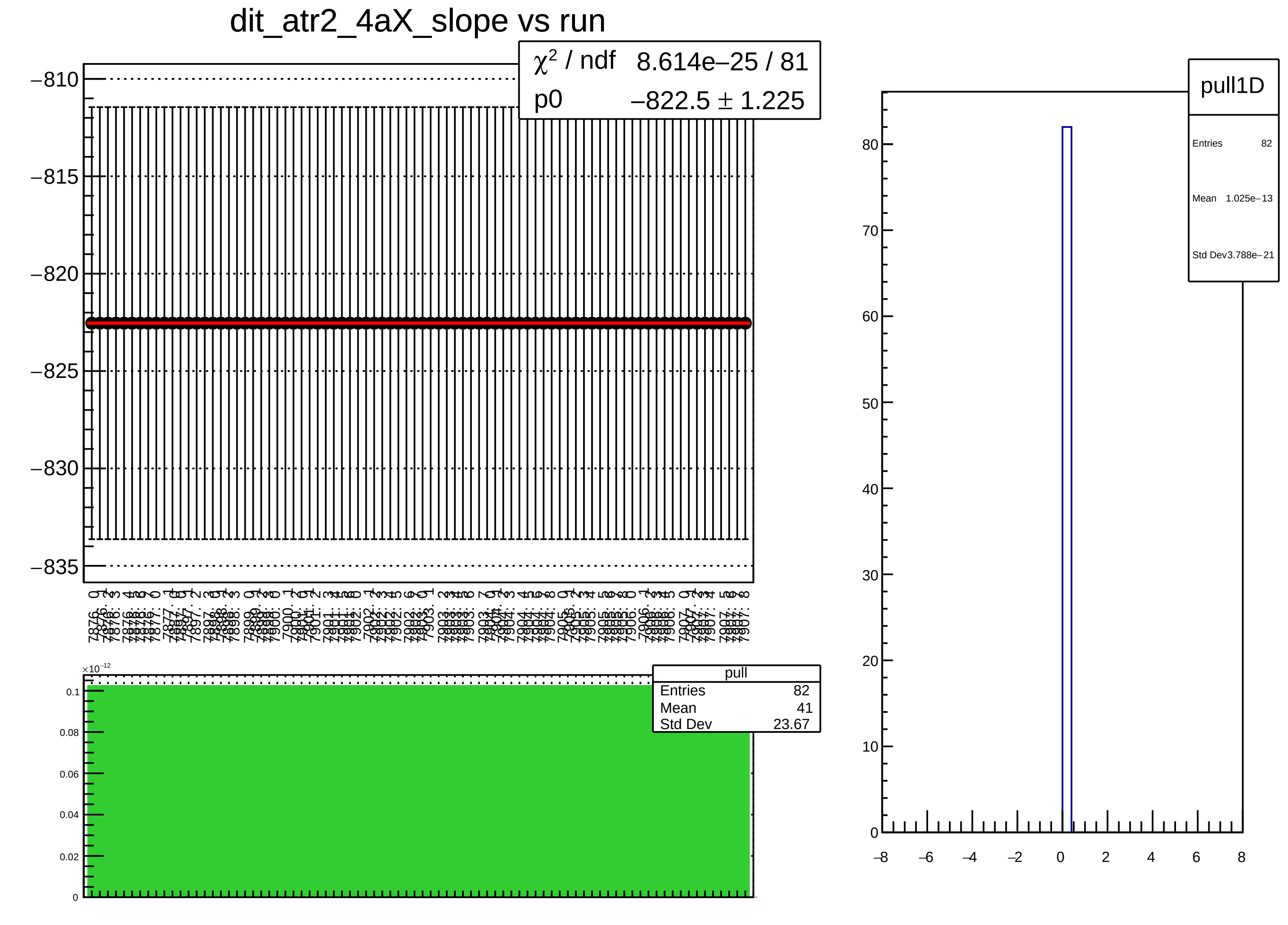
dit_atr1_11X12X_slope vs run
χ2 / ndf 1.996e−27 / 81
p0 −64.03 ± 0.3181
−61
−62
−63
−64
−65
−66
−67
×10−15
5
4
3
2
1
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.934e−15
Std Dev2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



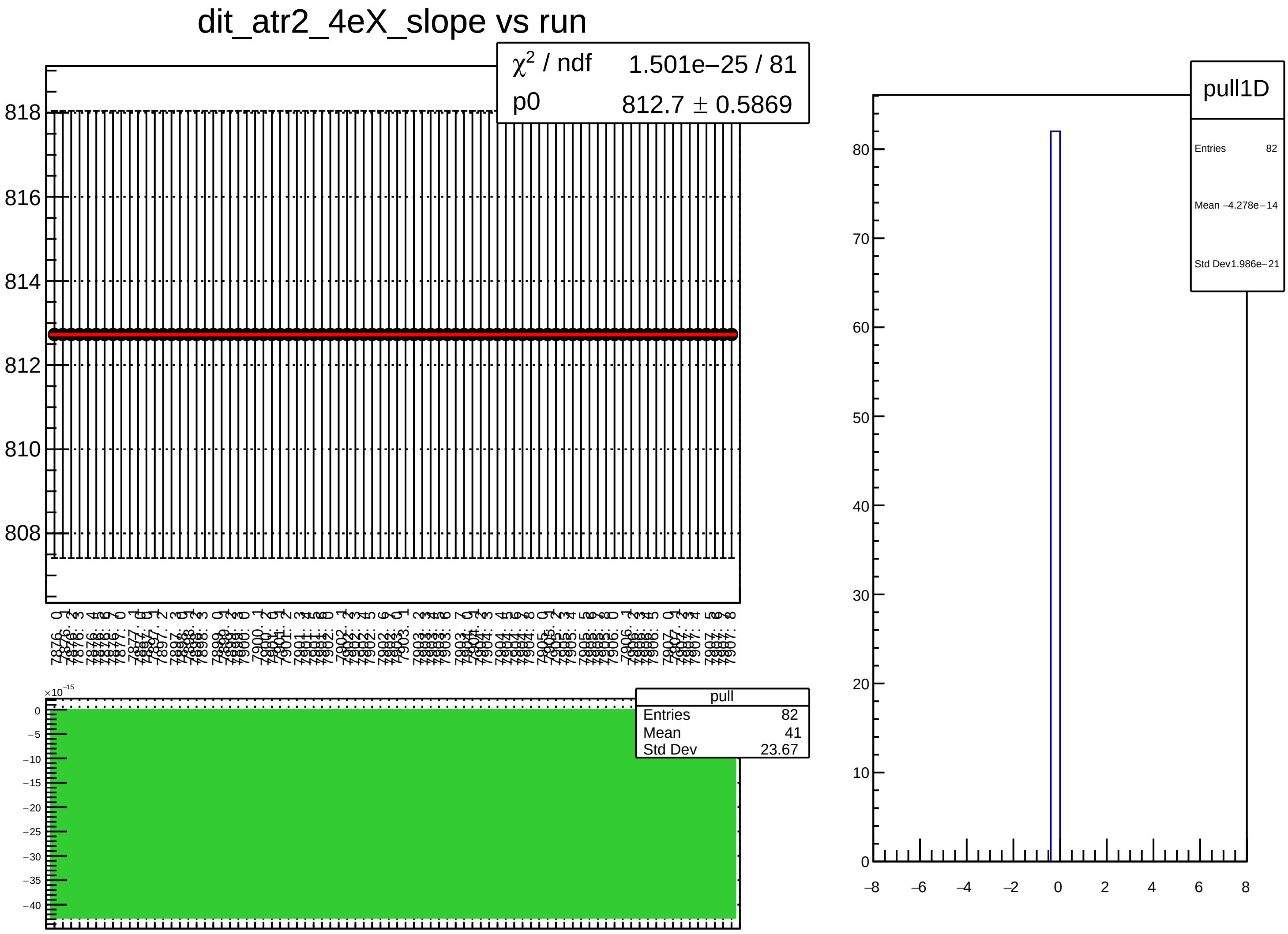
dit_atr1_4aY_slope vs run
χ2 / ndf 1.345e−28 / 81
p0 10.43 ± 0.3063
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.281e−15
Std Dev7.003e−23



dit_atr1_4eY_slope vs run
χ2 / ndf 2.007e−27 / 81
p0 −6.415 ± 0.3172
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.947e−15
Std Dev1.981e−22

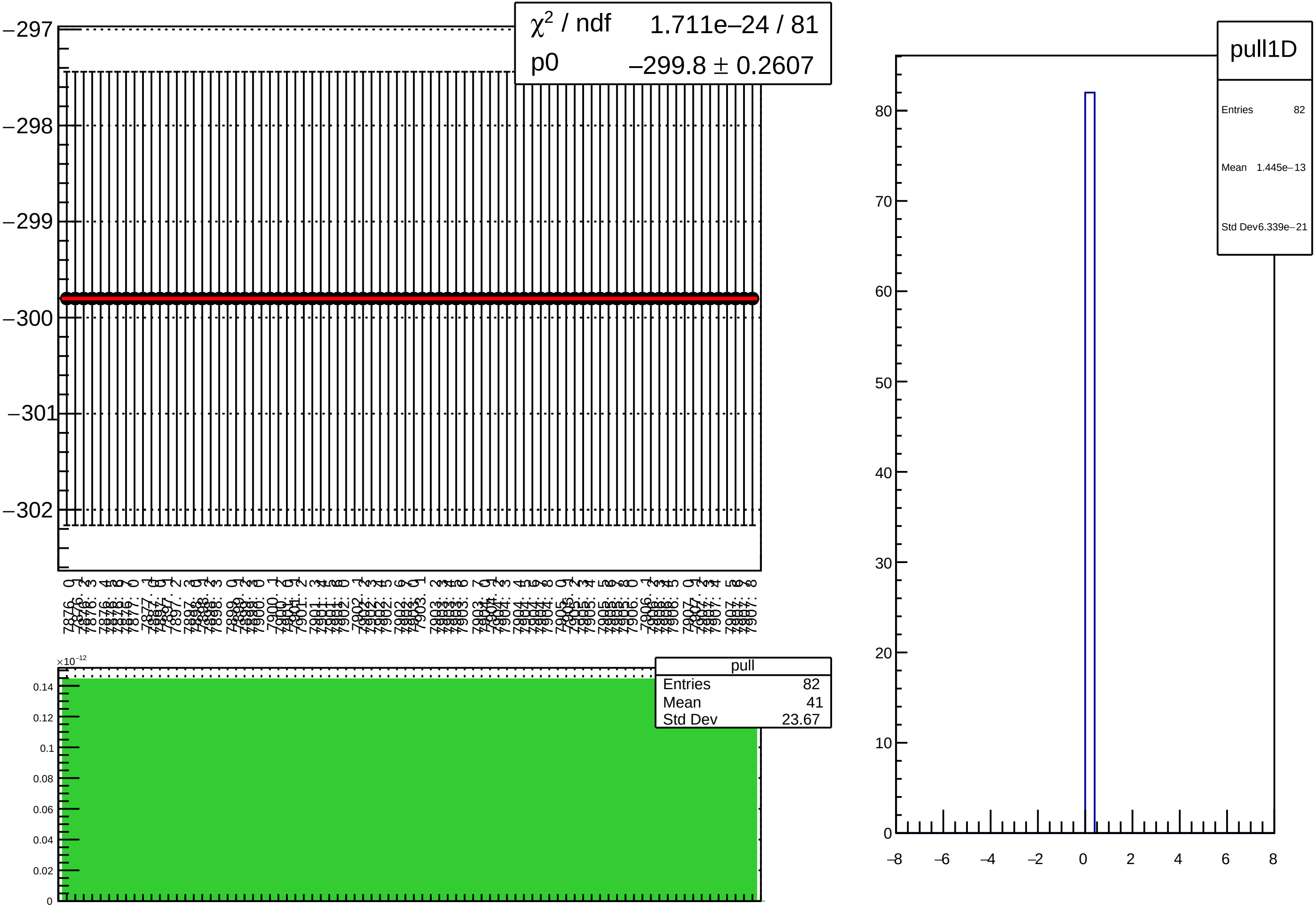


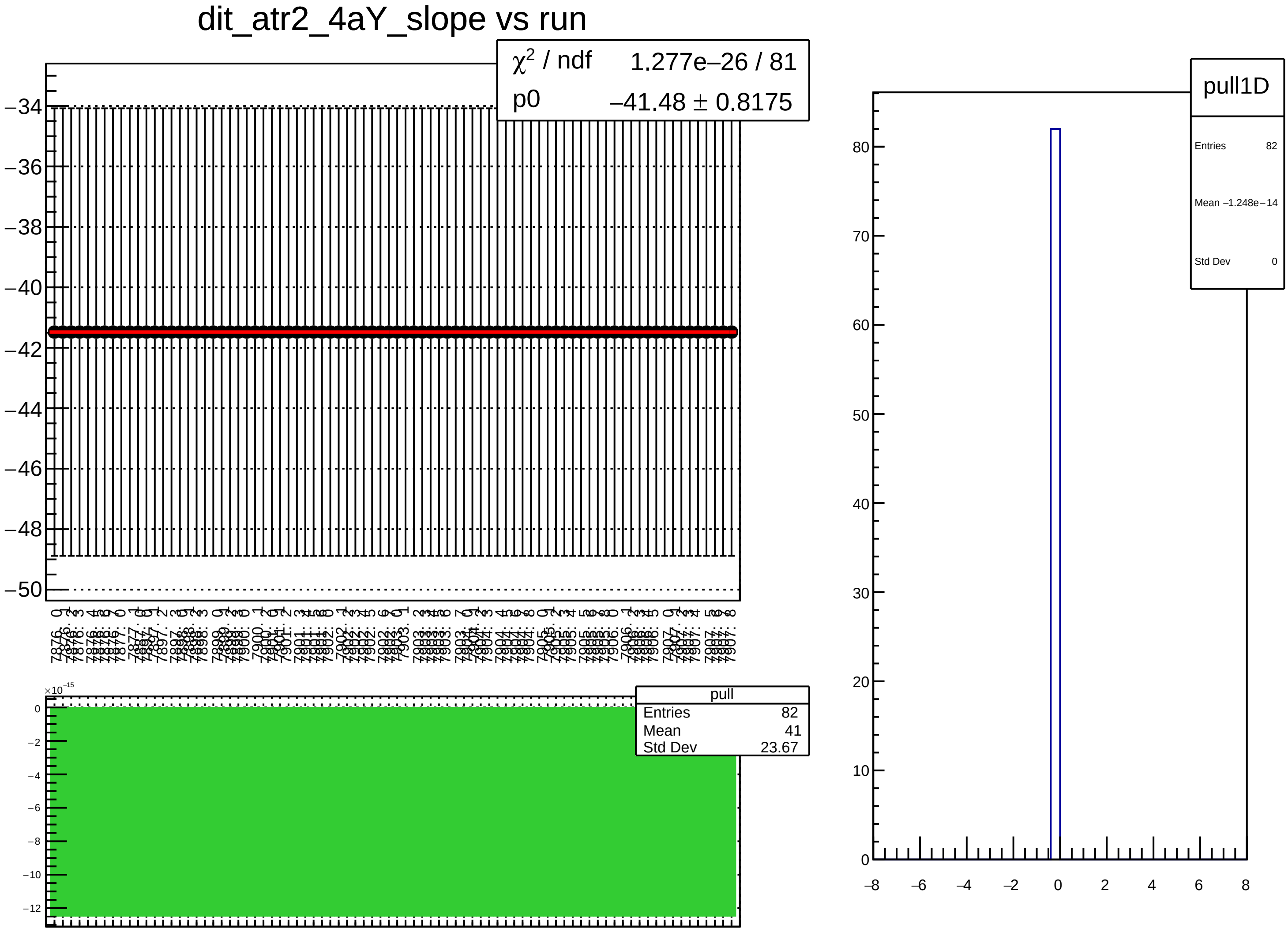
dit_atr2_4aX_slope vs run
χ^2 / ndf 8.614e−25 / 81
p0 −822.5 ± 1.225
−810
−815
−820
−825
−830
−835
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.025e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

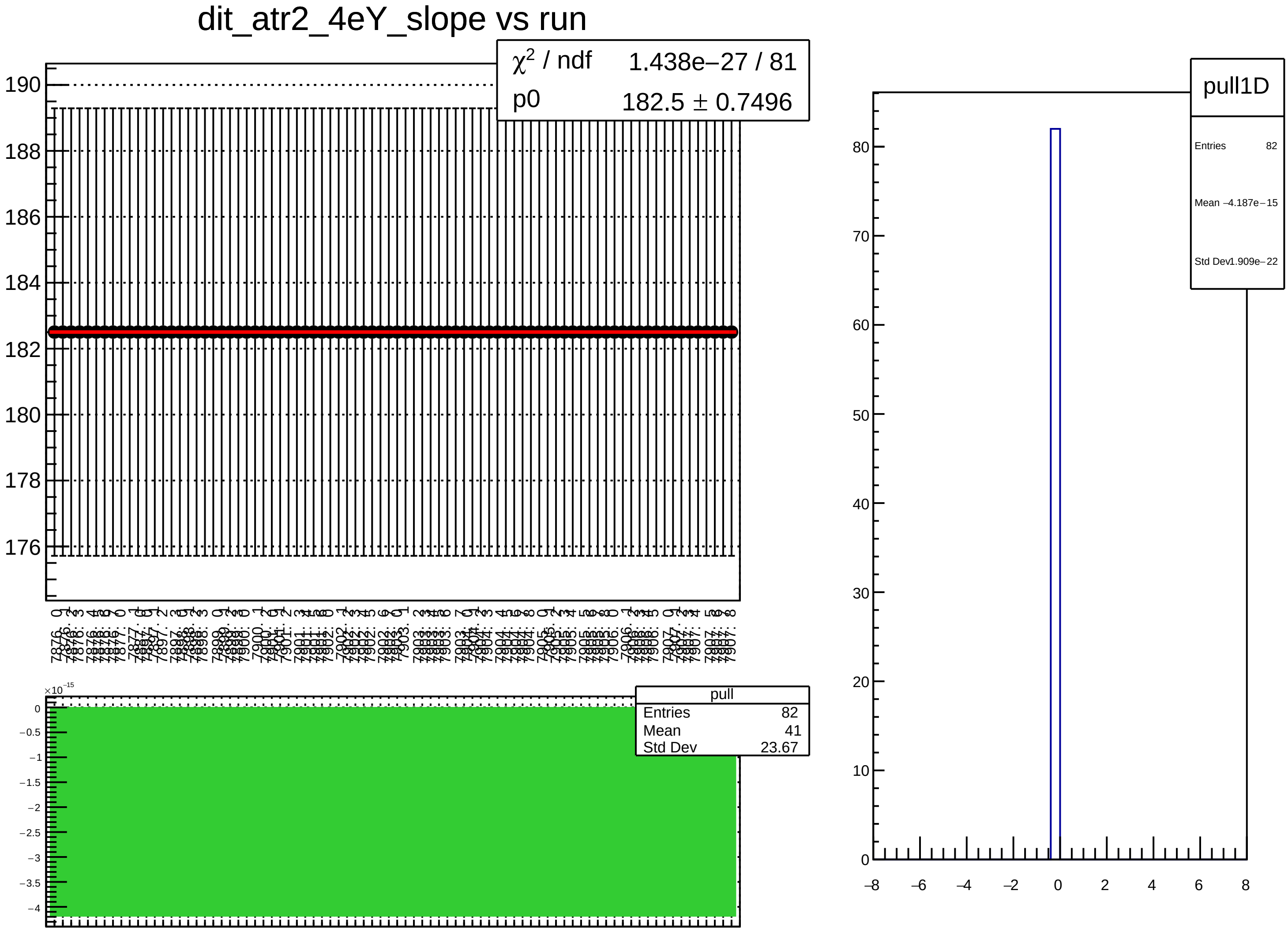


dit_atr2_4eX_slope vs run
χ^2 / ndf 1.501e−25 / 81
p0 812.7 ± 0.5869
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.278e−14
Std Dev 1.986e−21

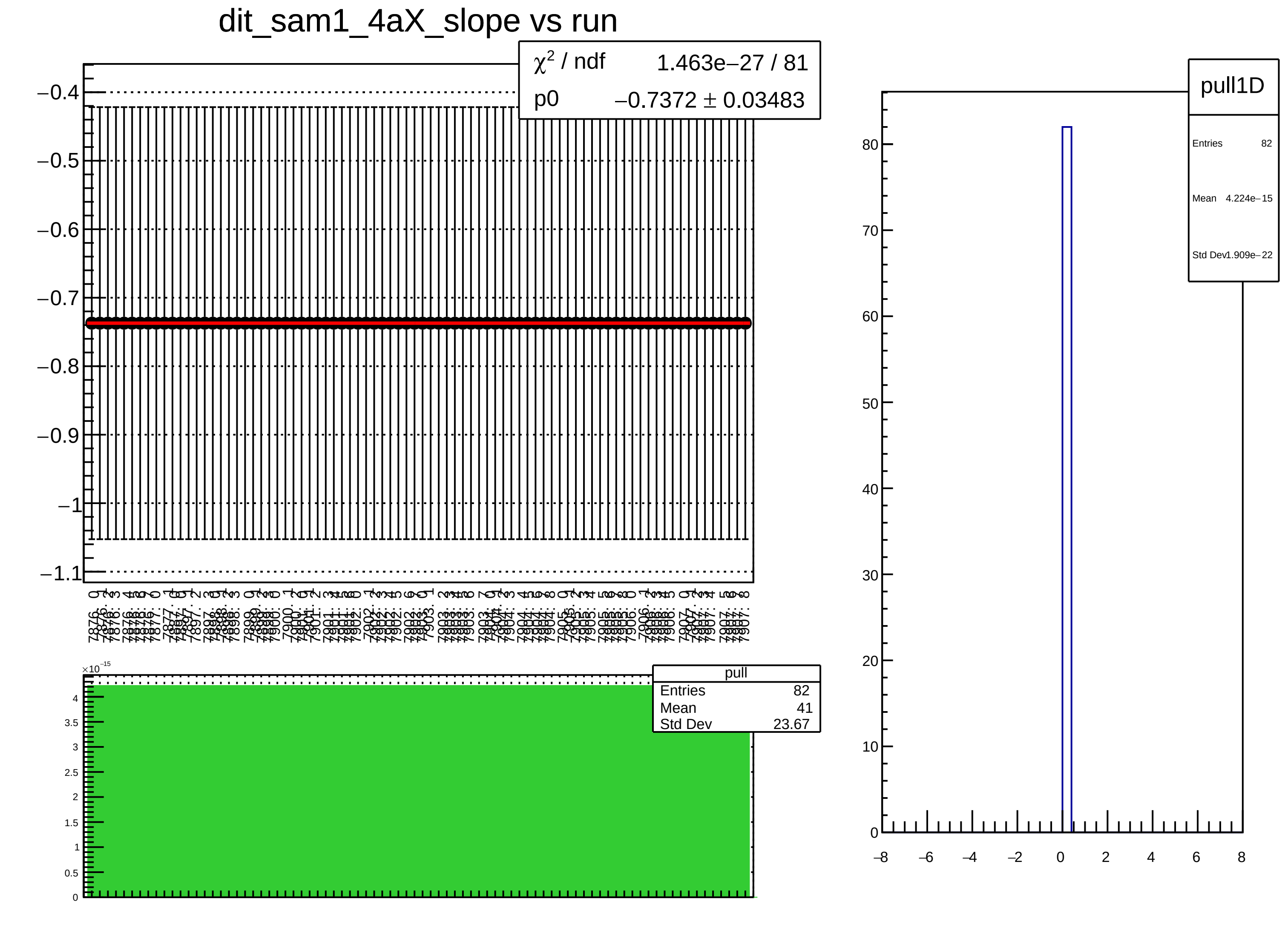
dit_atr2_11X12X_slope vs run



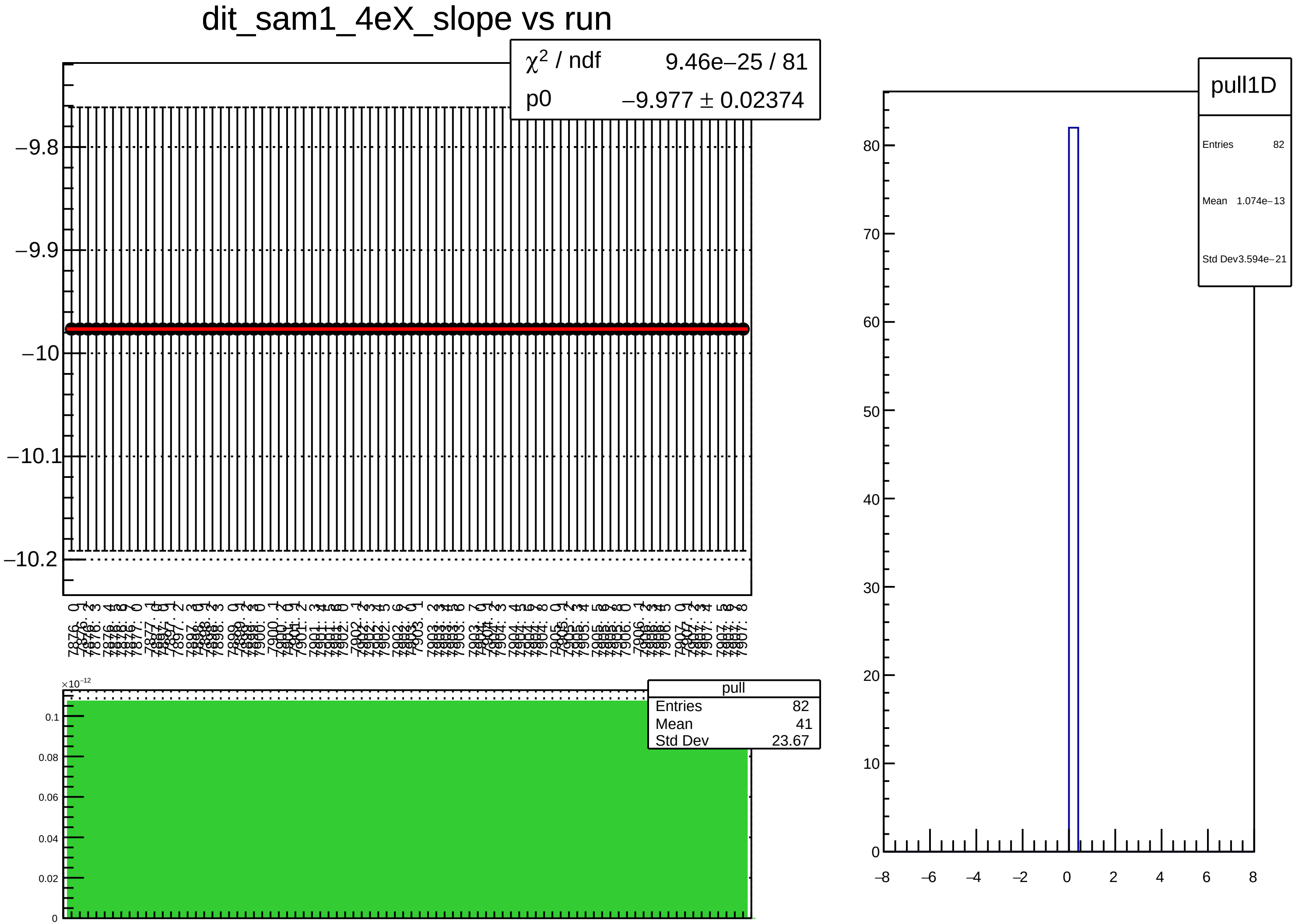

dit_atr2_4aY_slope vs run
χ2 / ndf 1.277e−26 / 81
p0 −41.48 ± 0.8175
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.248e−14
Std Dev 0

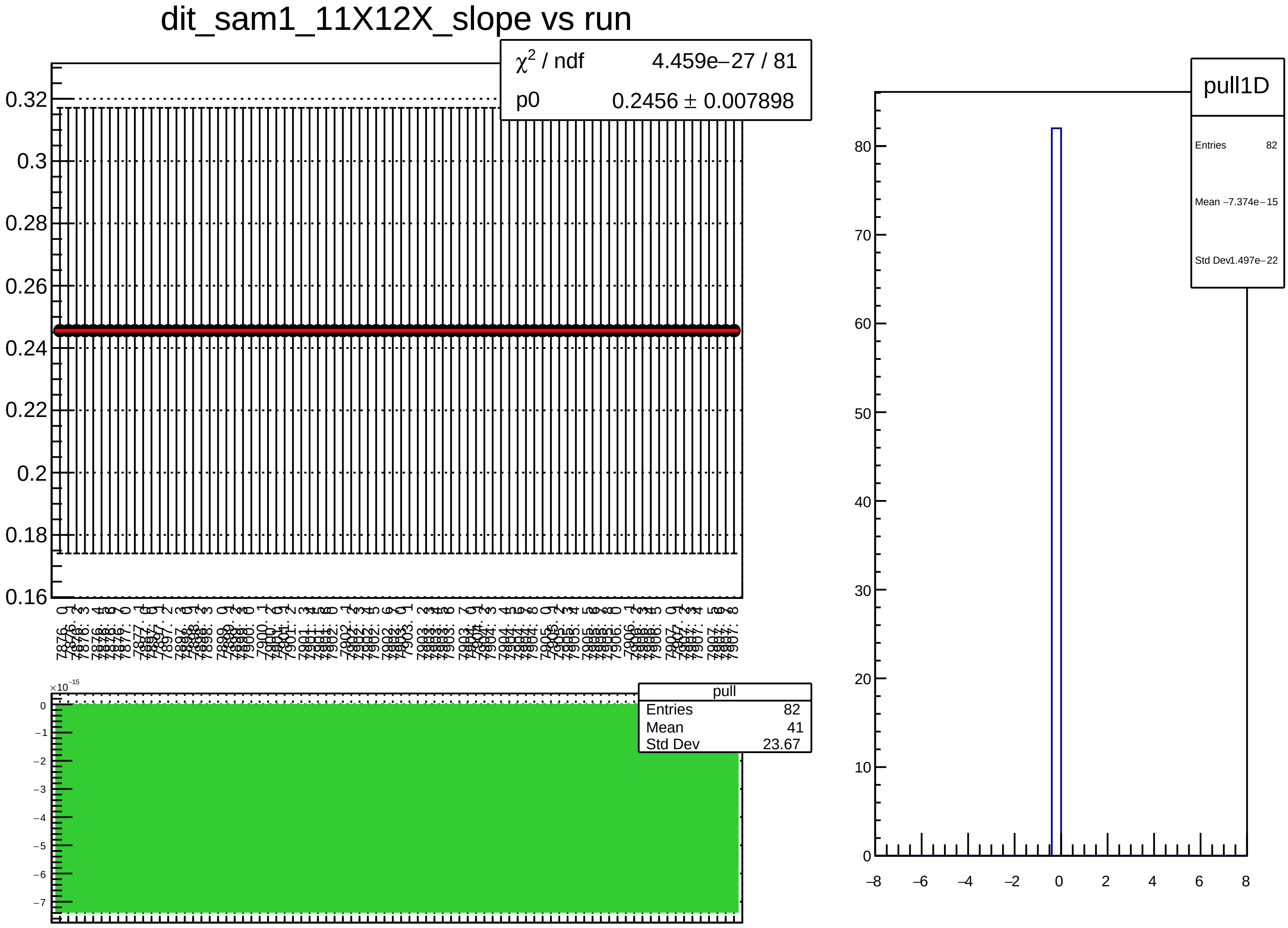


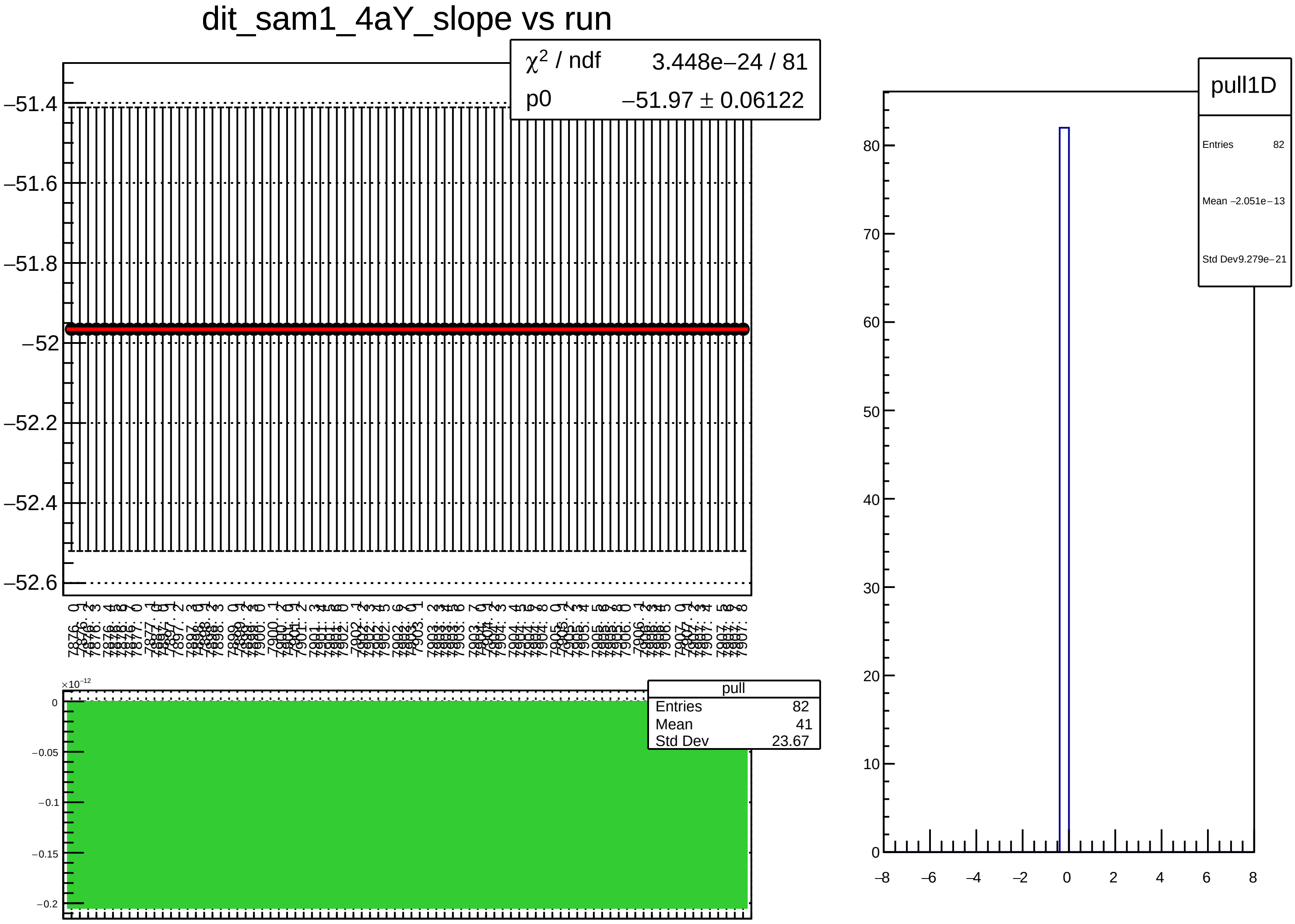
dit_atr2_4eY_slope vs run
χ^2 / ndf 1.438e−27 / 81
p0 182.5 ± 0.7496
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.187e−15
Std Dev1.909e−22



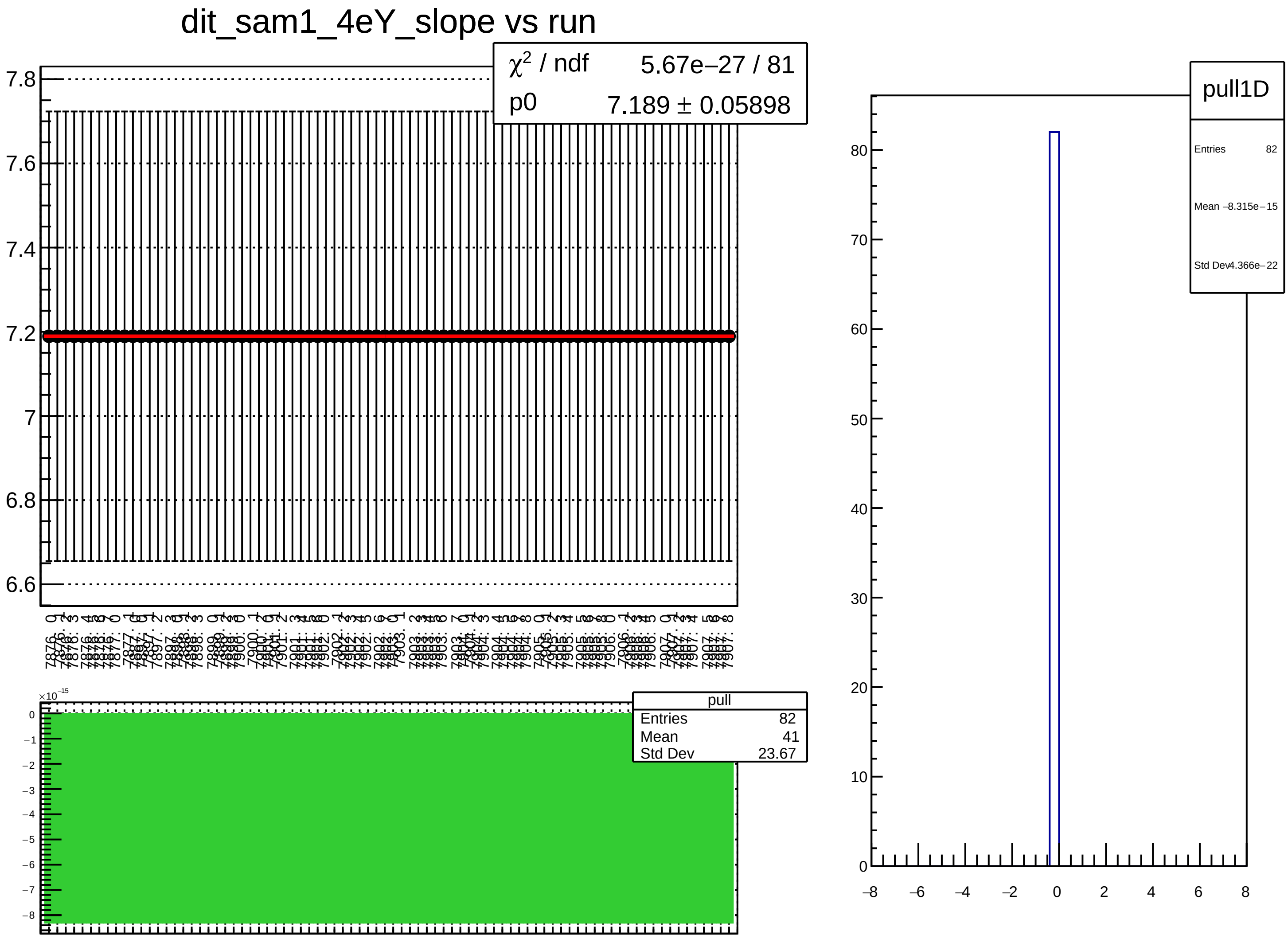
dit_sam1_4aX_slope vs run
χ2 / ndf 1.463e−27 / 81
p0 −0.7372 ± 0.03483
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.224e−15
Std Dev1.909e−22

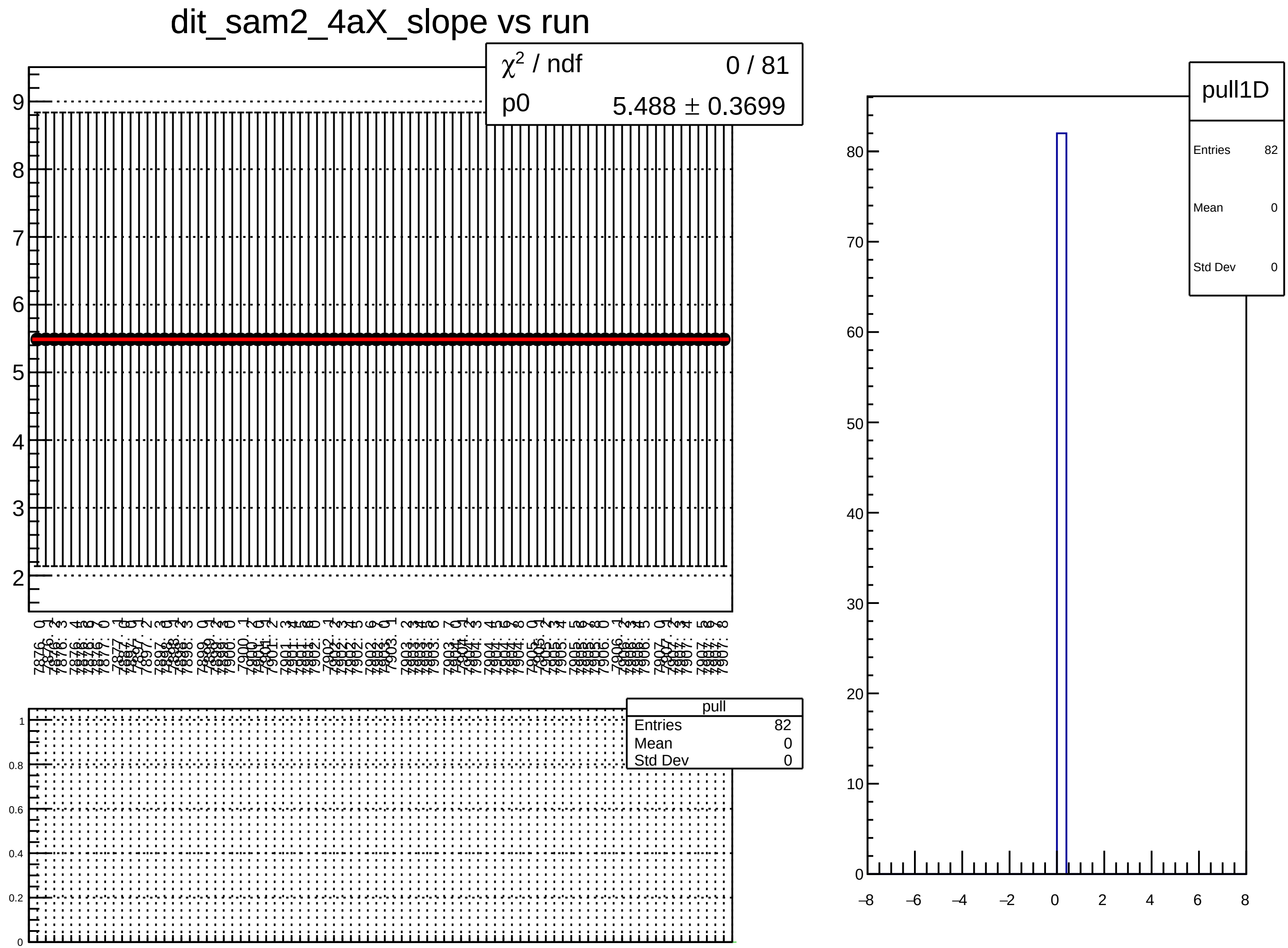

dit_sam1_4eX_slope vs run
χ2 / ndf 9.46e−25 / 81
p0 −9.977 ± 0.02374
−9.8
−9.9
−10
−10.1
−10.2
×10−12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.074e−13
Std Dev 3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

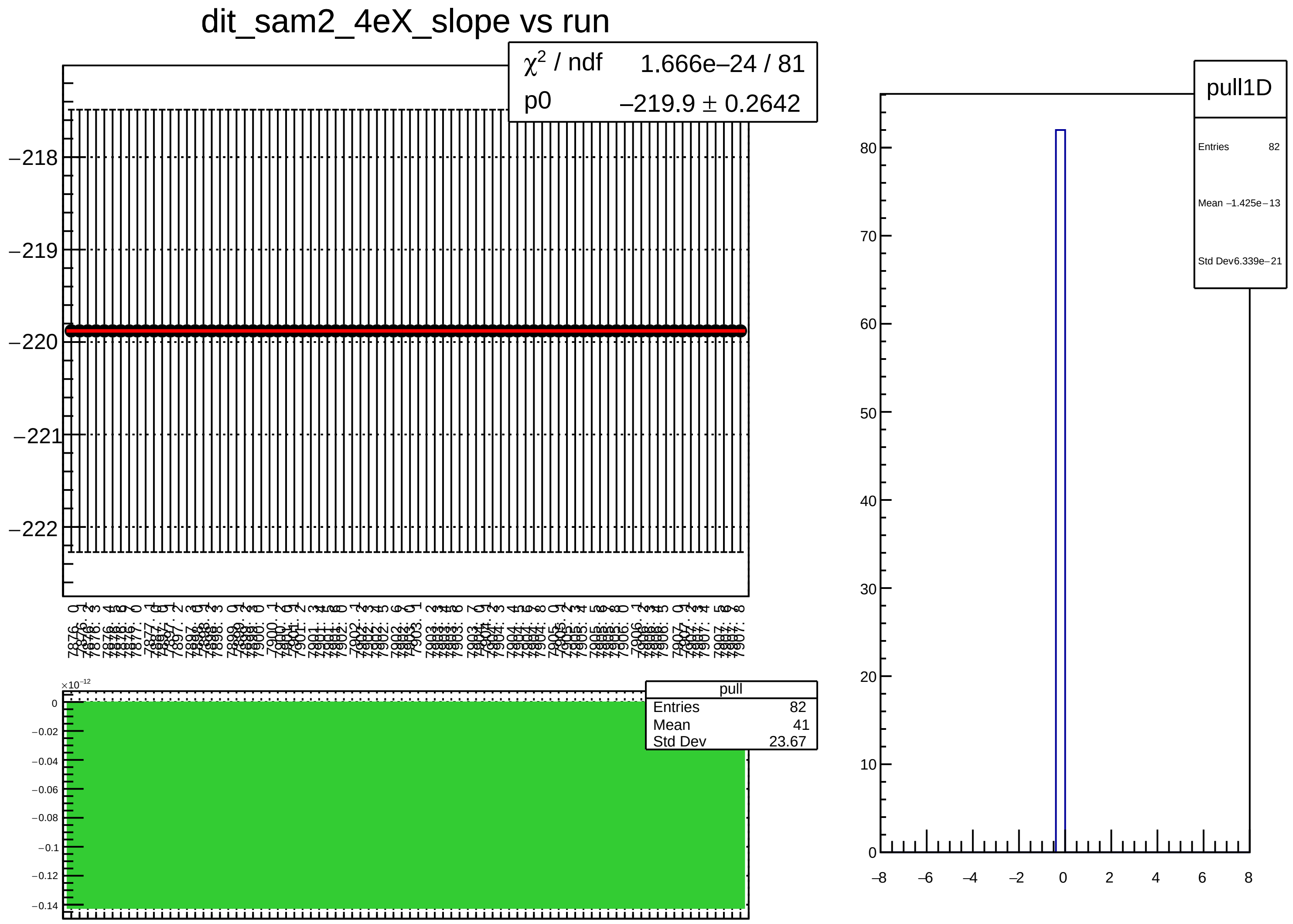

dit_sam1_11X12X_slope vs run
χ^2 / ndf 4.459e−27 / 81
p0 0.2456 ± 0.007898
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.374e−15
Std Dev1.497e−22



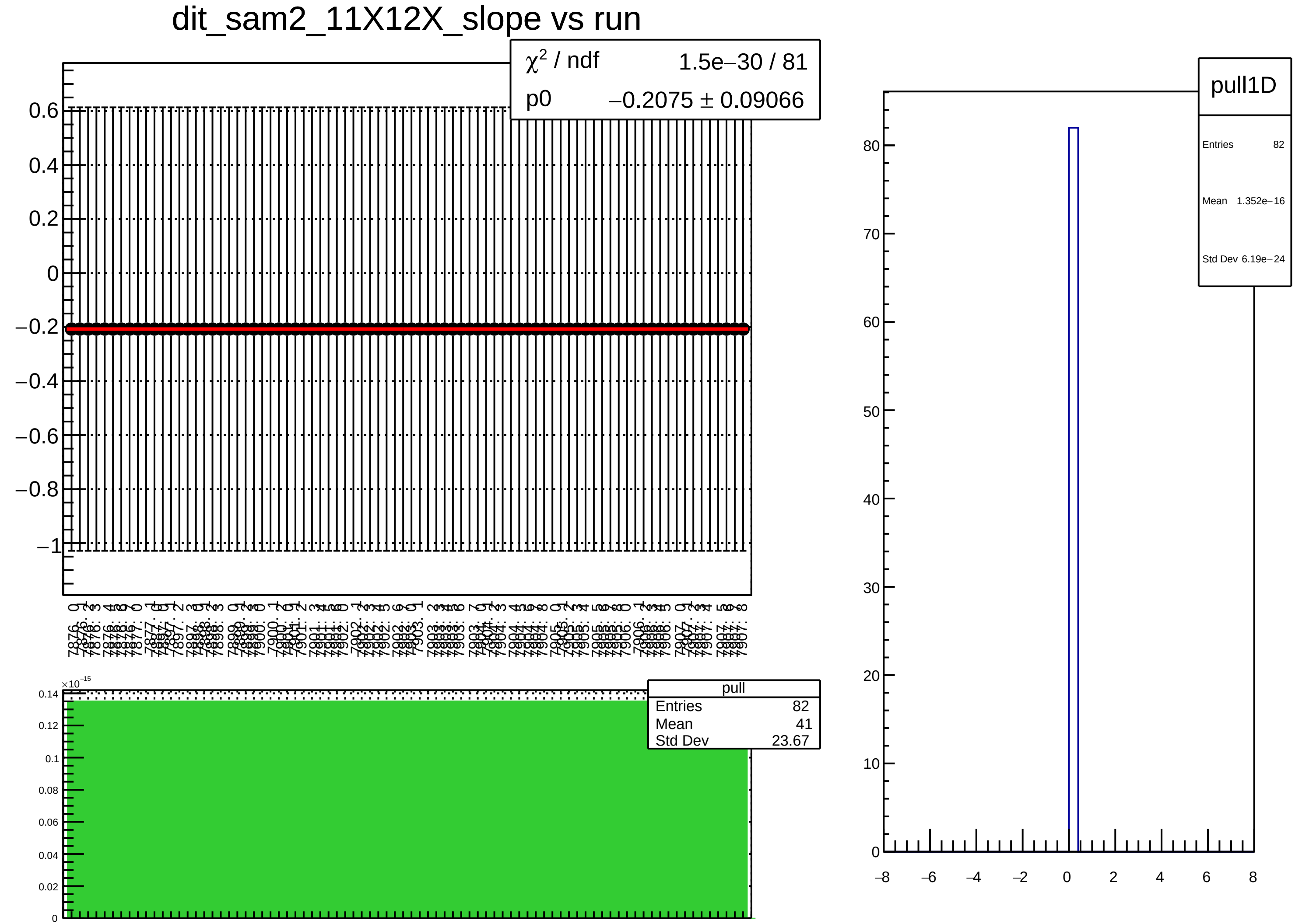
dit_sam1_4aY_slope vs run
χ2 / ndf 3.448e−24 / 81
p0 −51.97 ± 0.06122
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.051e−13
Std Dev 9.279e−21

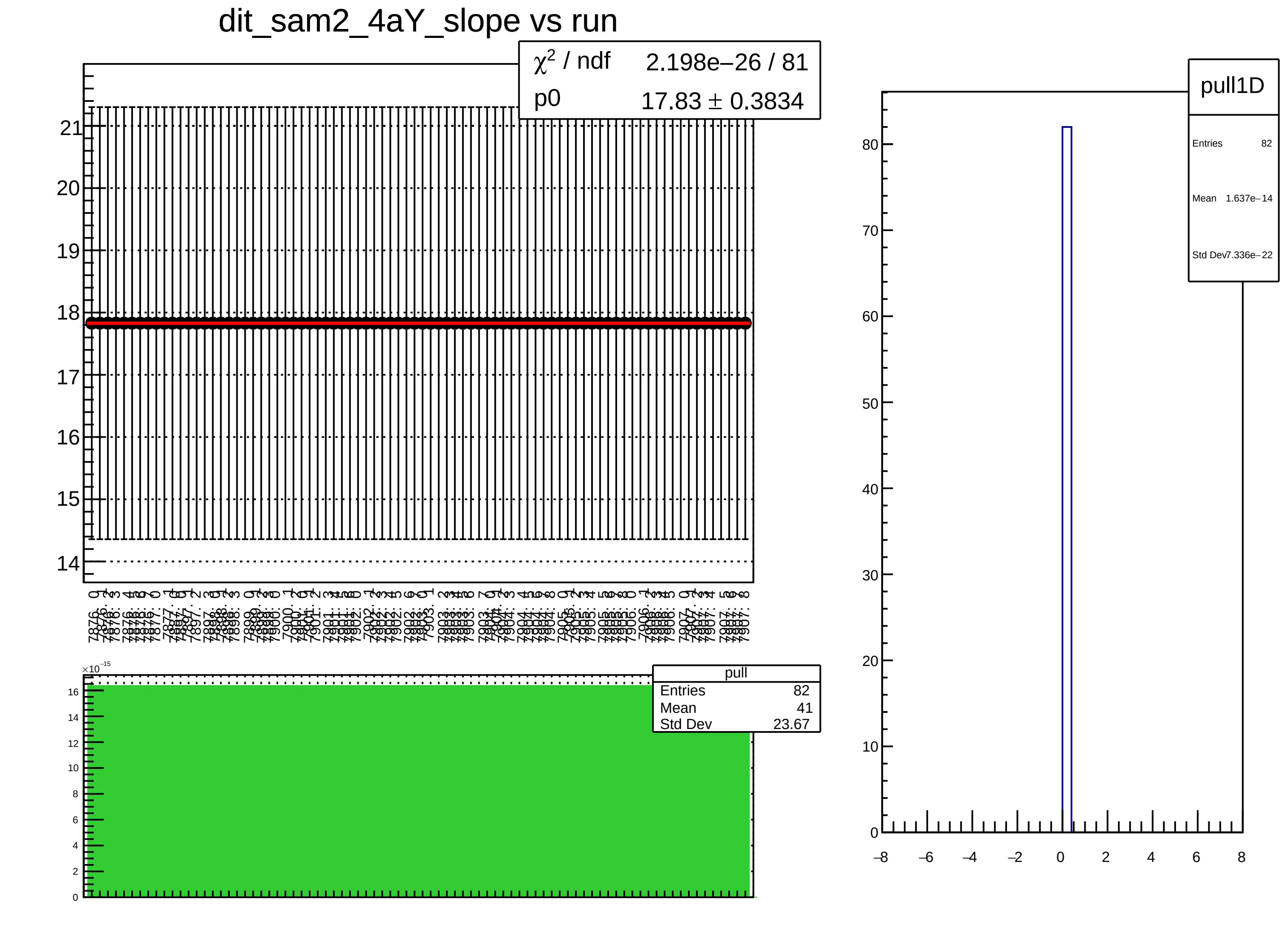

dit_sam1_4eY_slope vs run
χ^2 / ndf 5.67e−27 / 81
p0 7.189 ± 0.05898
7.8
7.6
7.4
7.2
7
6.8
6.6
×10⁻¹⁵
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.315e−15
Std Dev4.366e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_4aX_slope vs run
χ^2 / ndf 0 / 81
p0 5.488 ± 0.3699
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0

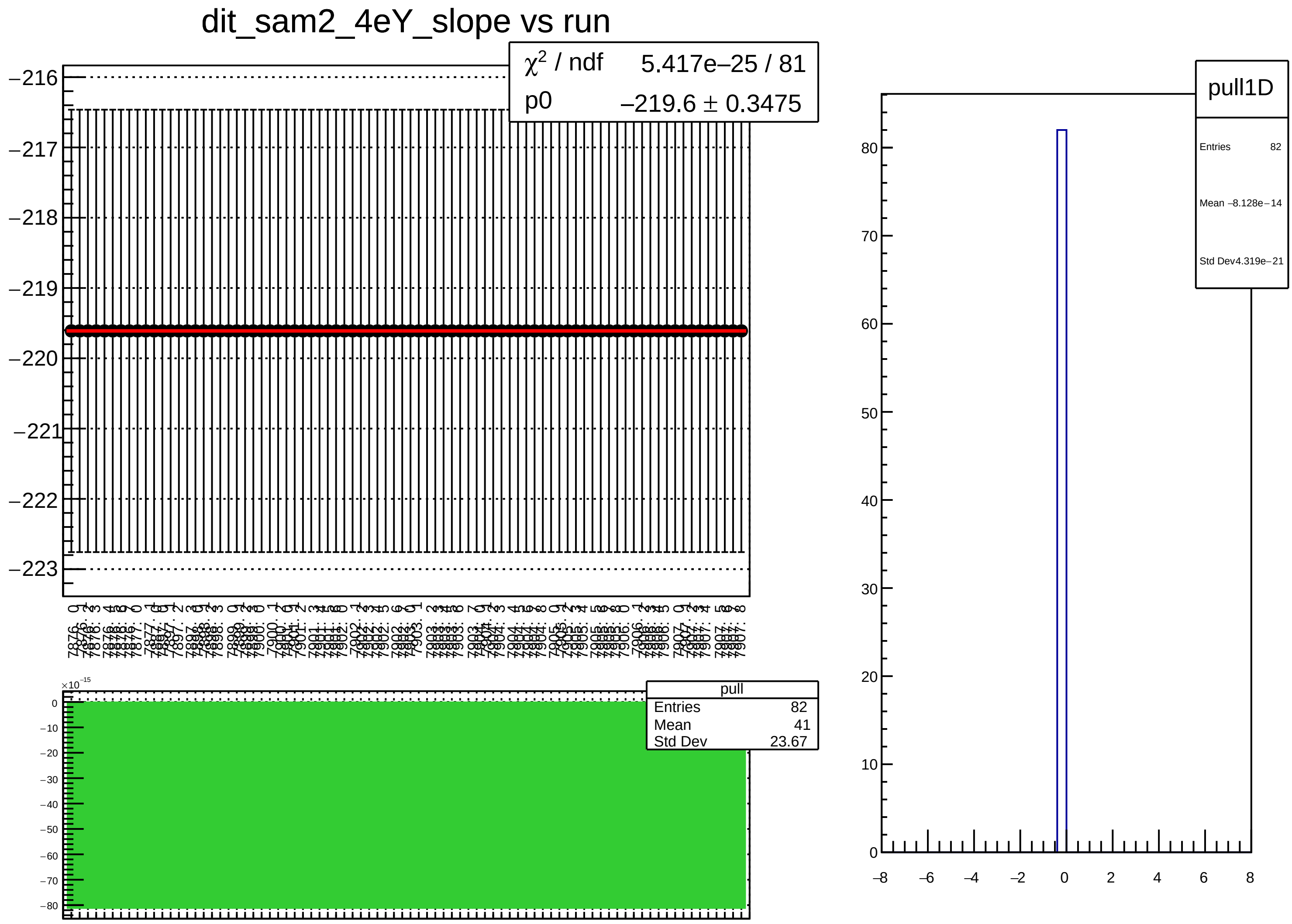


dit_sam2_4eX_slope vs run
χ^2 / ndf 1.666e−24 / 81
p0 −219.9 ± 0.2642
−218
−219
−220
−221
−222
$\times10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.425e−13
Std Dev 6.339e−21
0
10
20
30
40
50
60
70
80
−8
−6
−4
−2
0
2
4
6
8

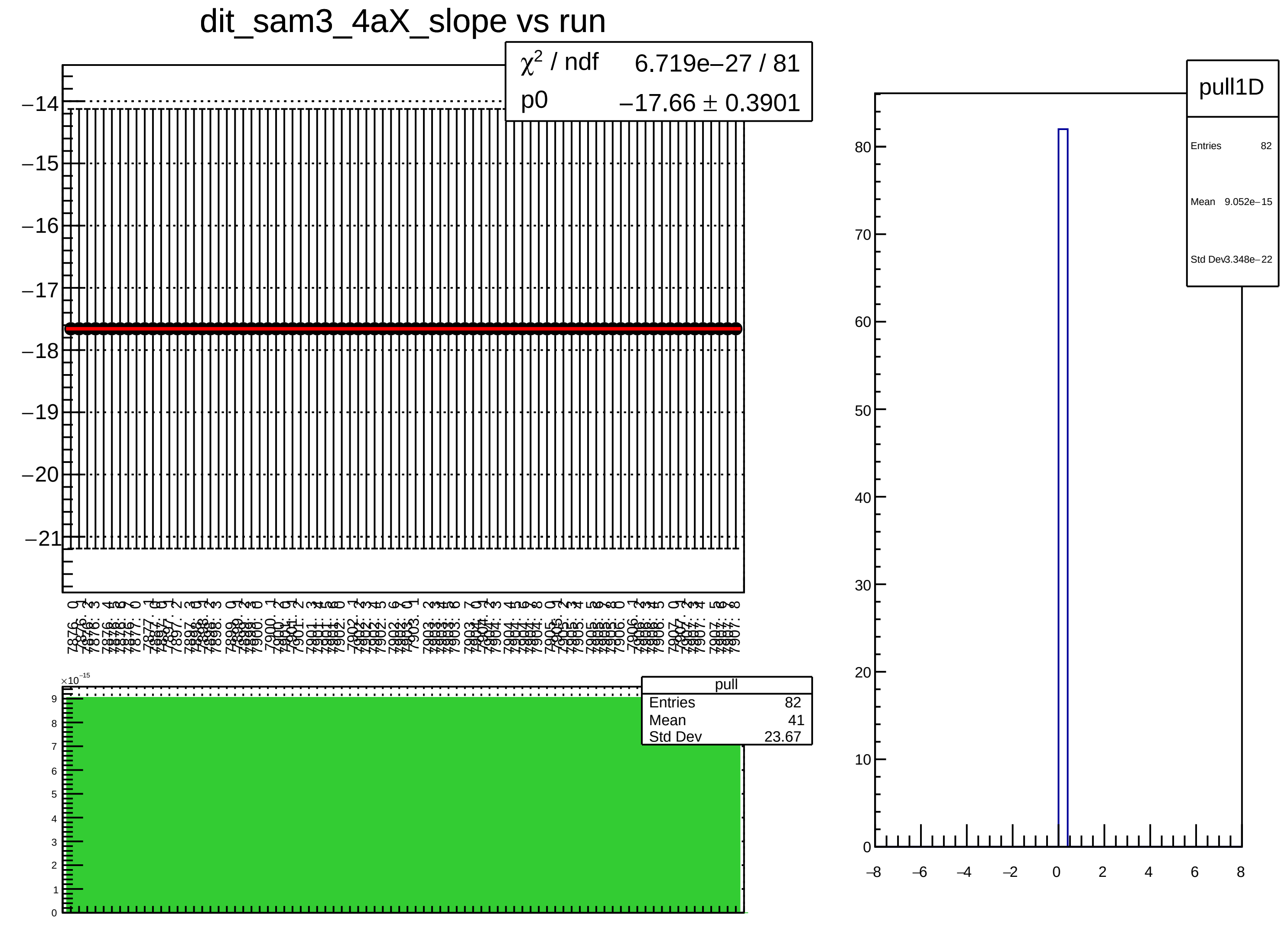

dit_sam2_11X12X_slope vs run
χ2 / ndf 1.5e−30 / 81
p0 −0.2075 ± 0.09066
pull1D
Entries 82
Mean 1.352e−16
Std Dev 6.19e−24
pull
Entries 82
Mean 41
Std Dev 23.67
×10−15



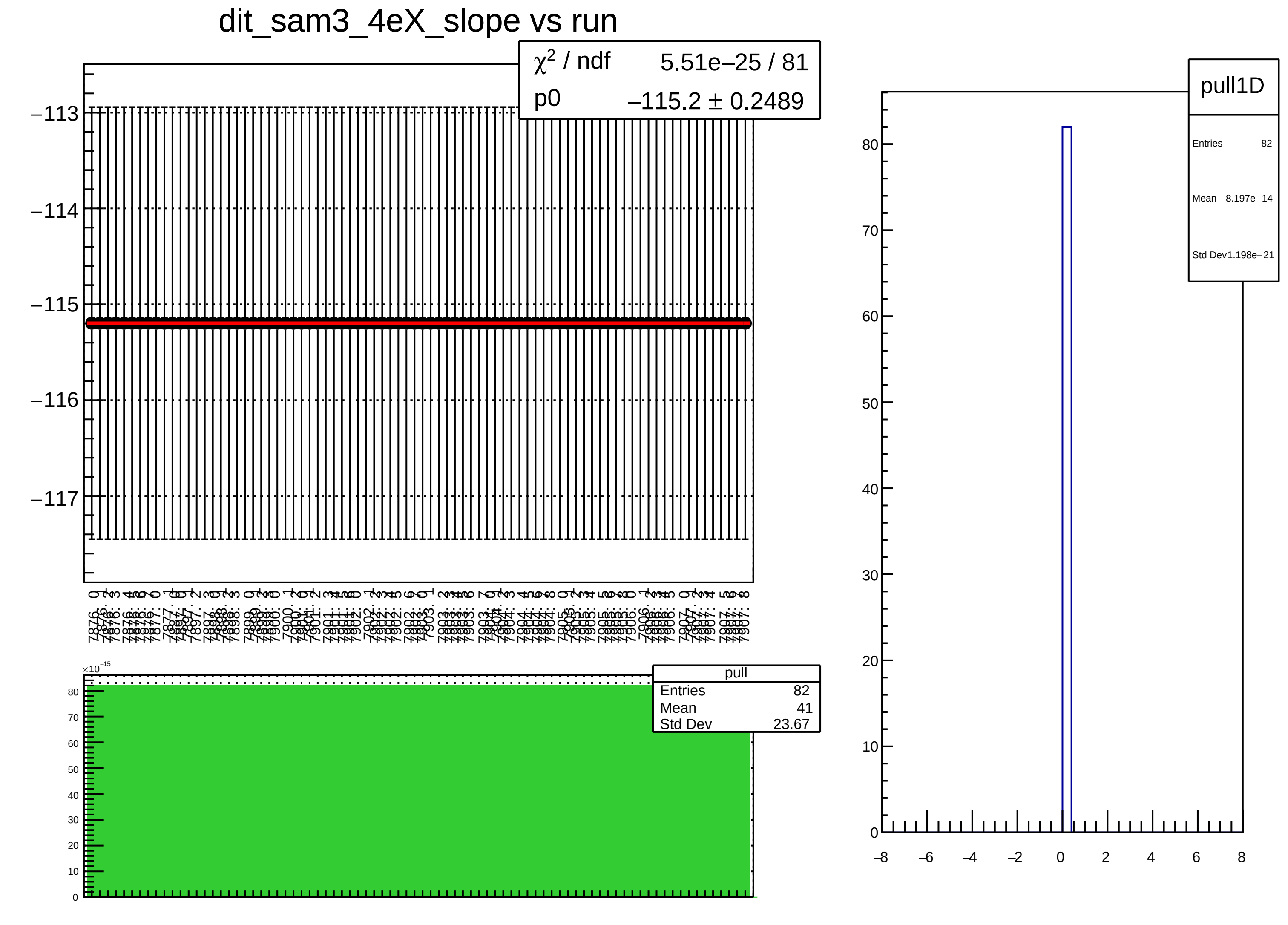
dit_sam2_4aY_slope vs run
χ2 / ndf 2.198e−26 / 81
p0 17.83 ± 0.3834
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.637e−14
Std Dev 7.336e−22



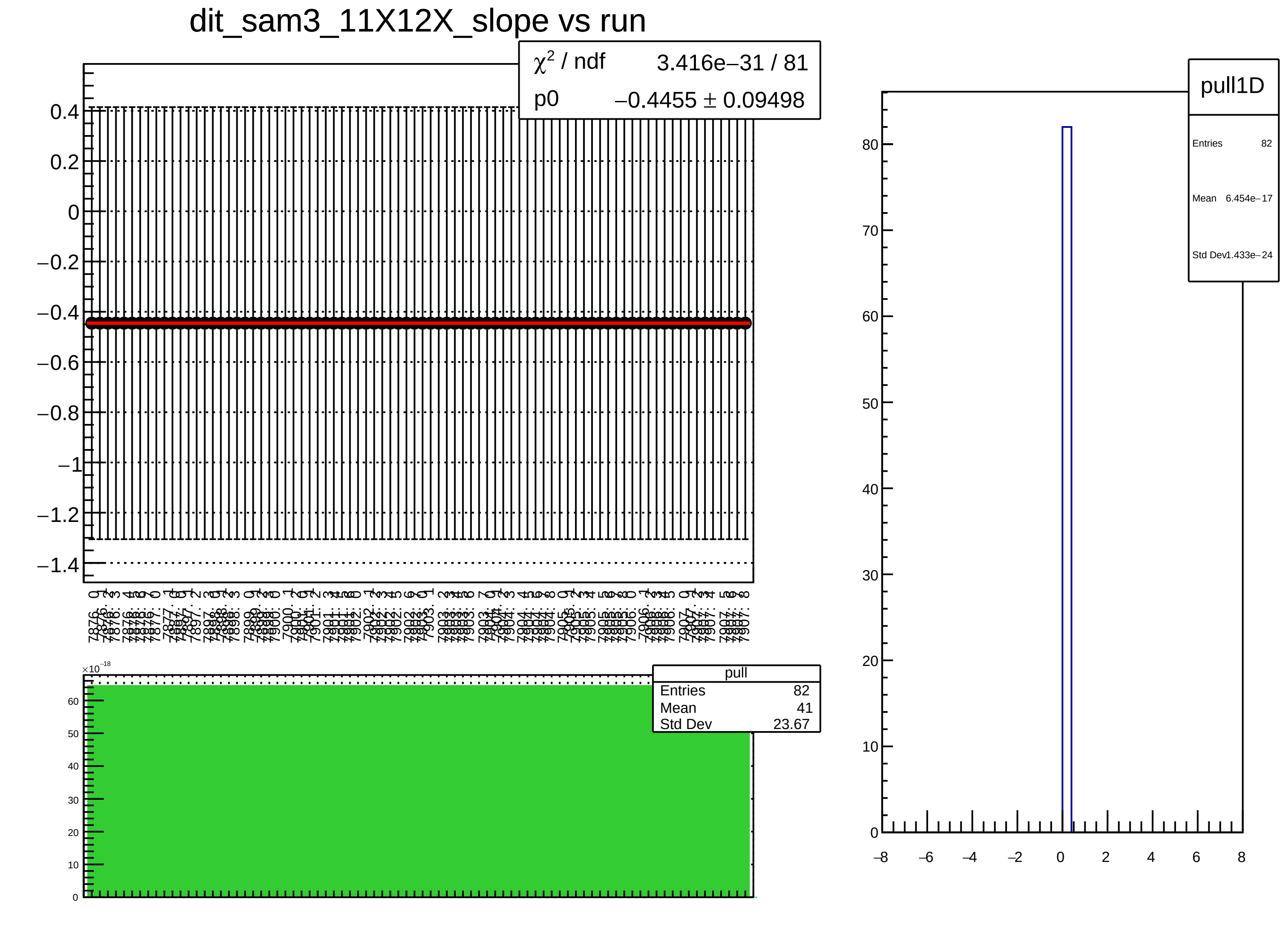
dit_sam2_4eY_slope vs run
χ2 / ndf 5.417e−25 / 81
p0 −219.6 ± 0.3475
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.128e−14
Std Dev 4.319e−21

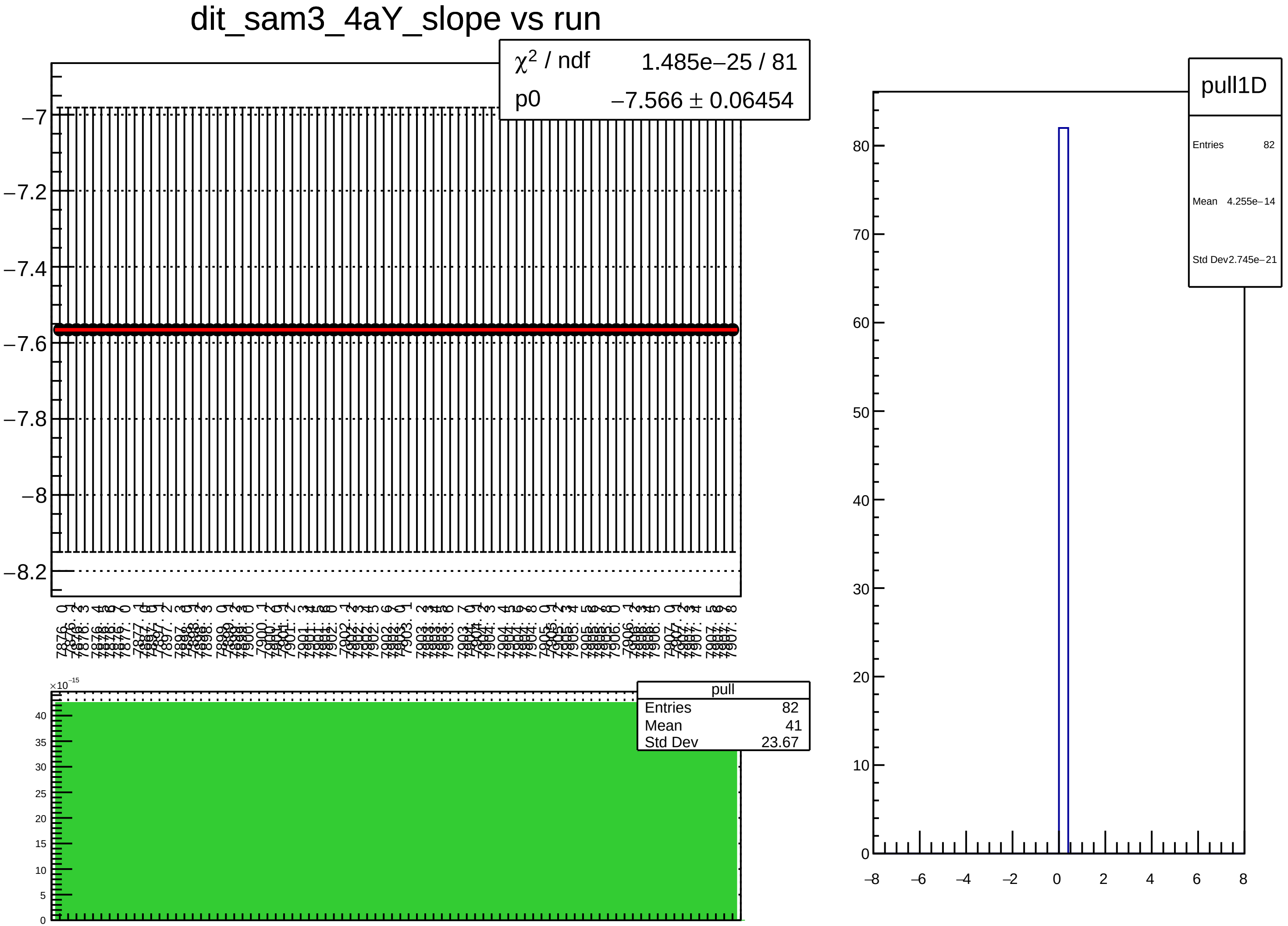


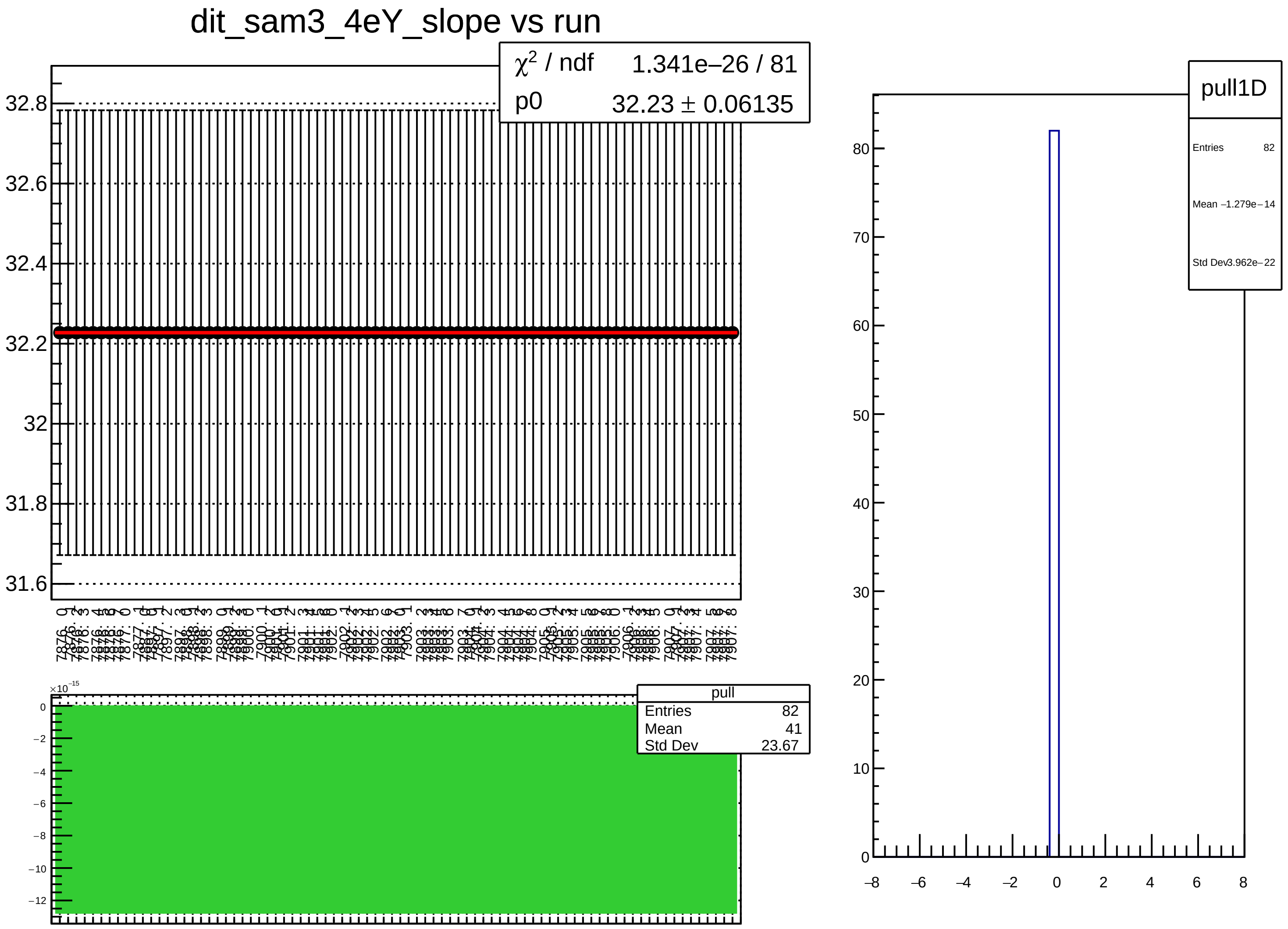
dit_sam3_4aX_slope vs run
χ2 / ndf 6.719e−27 / 81
p0 −17.66 ± 0.3901
−14
−15
−16
−17
−18
−19
−20
−21
×10−15
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 9.052e−15
Std Dev 3.348e−22



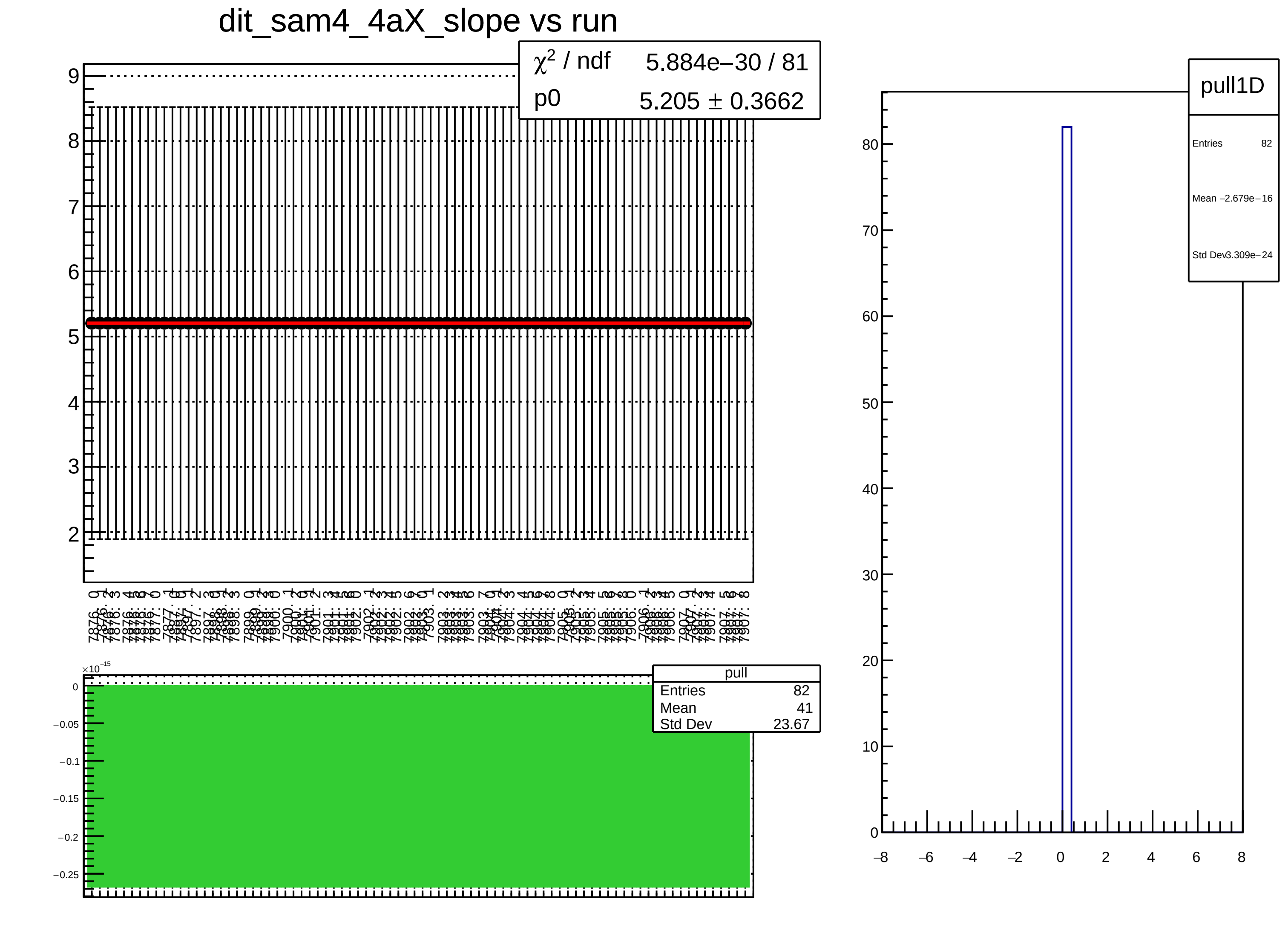
dit_sam3_4eX_slope vs run
χ2 / ndf 5.51e−25 / 81
p0 −115.2 ± 0.2489
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 8.197e−14
Std Dev 1.198e−21

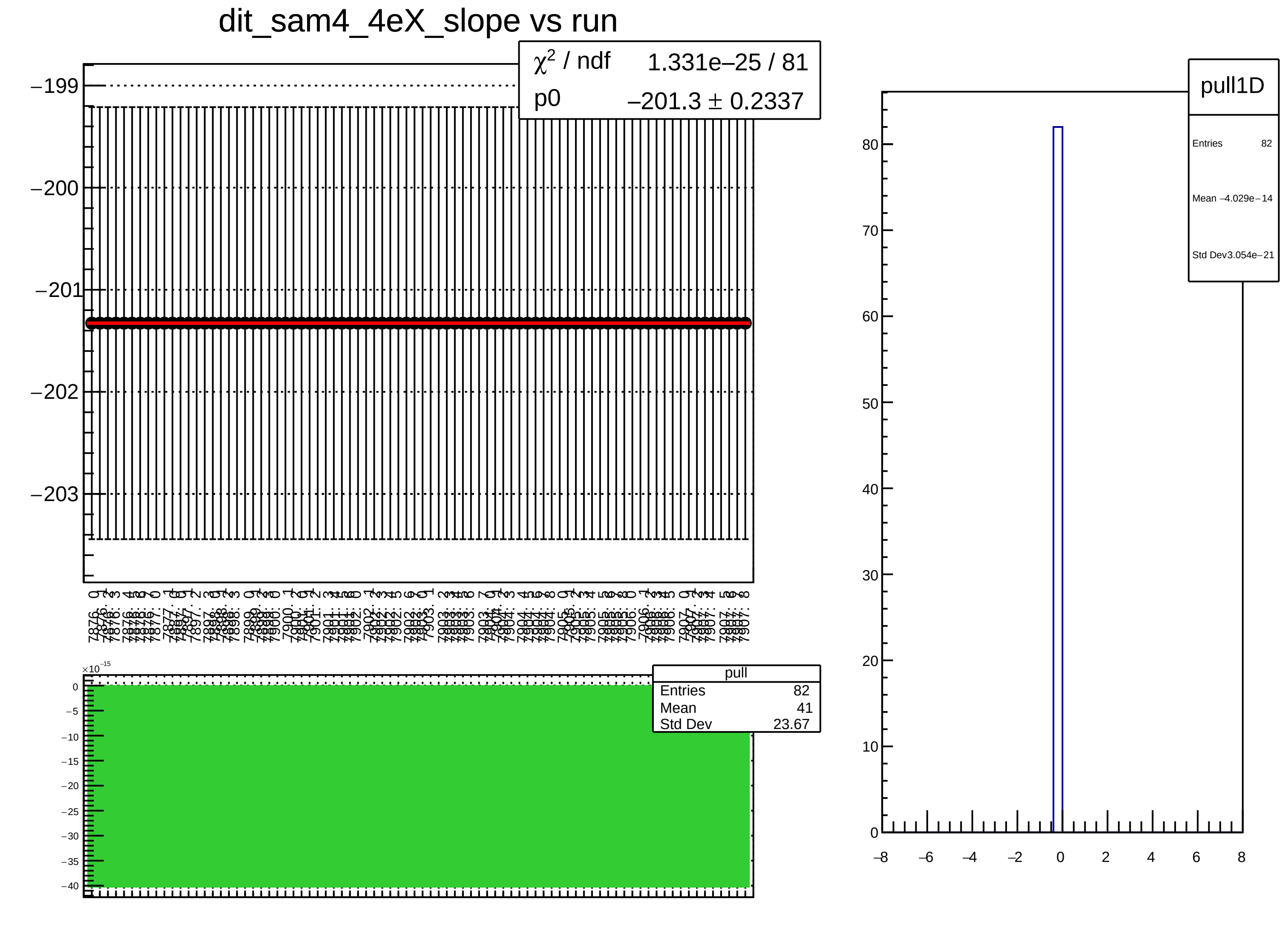

dit_sam3_11X12X_slope vs run
χ^2 / ndf 3.416e−31 / 81
p0 −0.4455 ± 0.09498
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−18
pull1D
Entries 82
Mean 6.454e−17
Std Dev1.433e−24


dit_sam3_4aY_slope vs run
χ^2 / ndf 1.485e−25 / 81
p0 −7.566 ± 0.06454
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.255e−14
Std Dev 2.745e−21

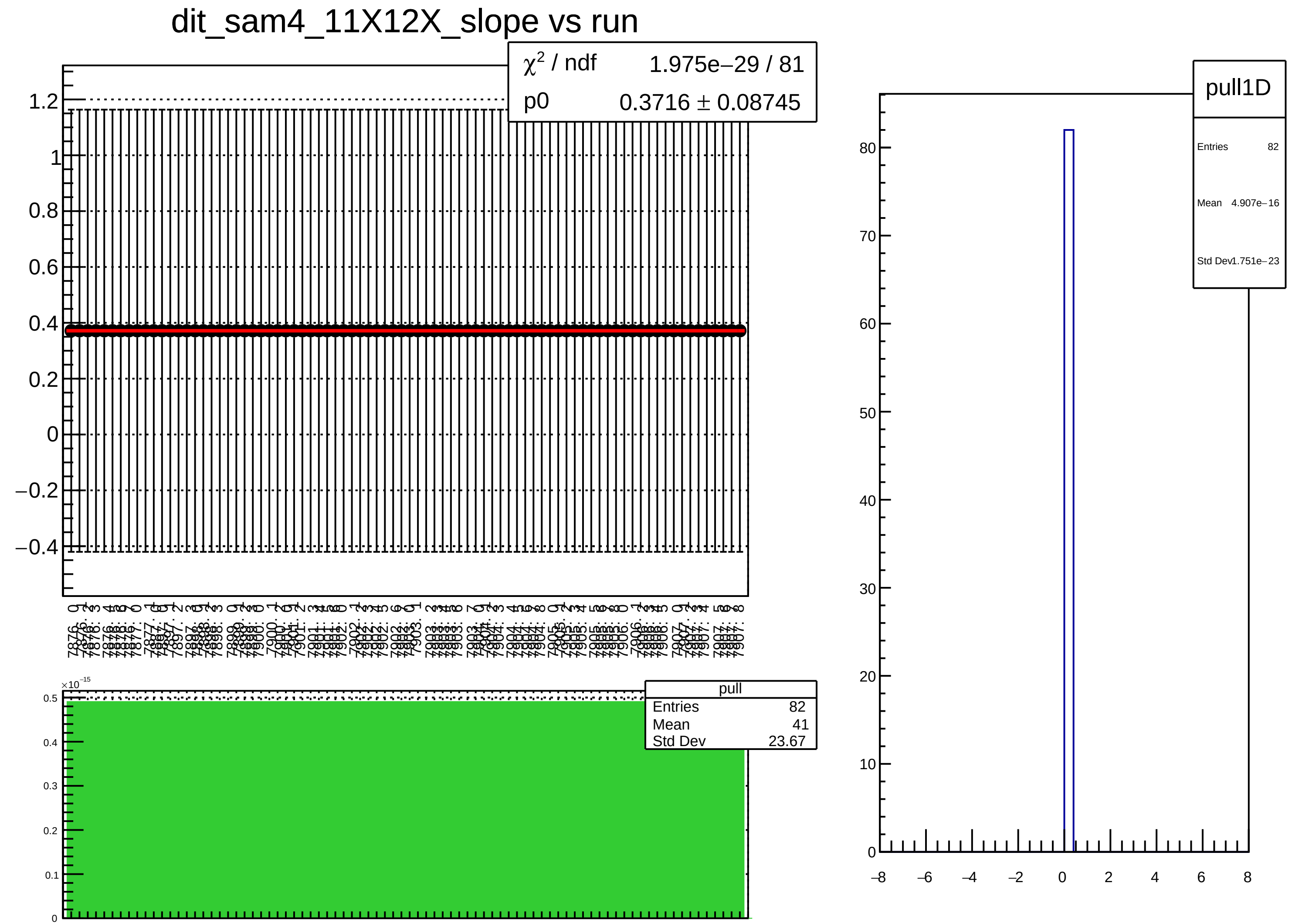


dit_sam3_4eY_slope vs run
χ^2 / ndf 1.341e−26 / 81
p0 32.23 ± 0.06135
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.279e−14
Std Dev 3.962e−22

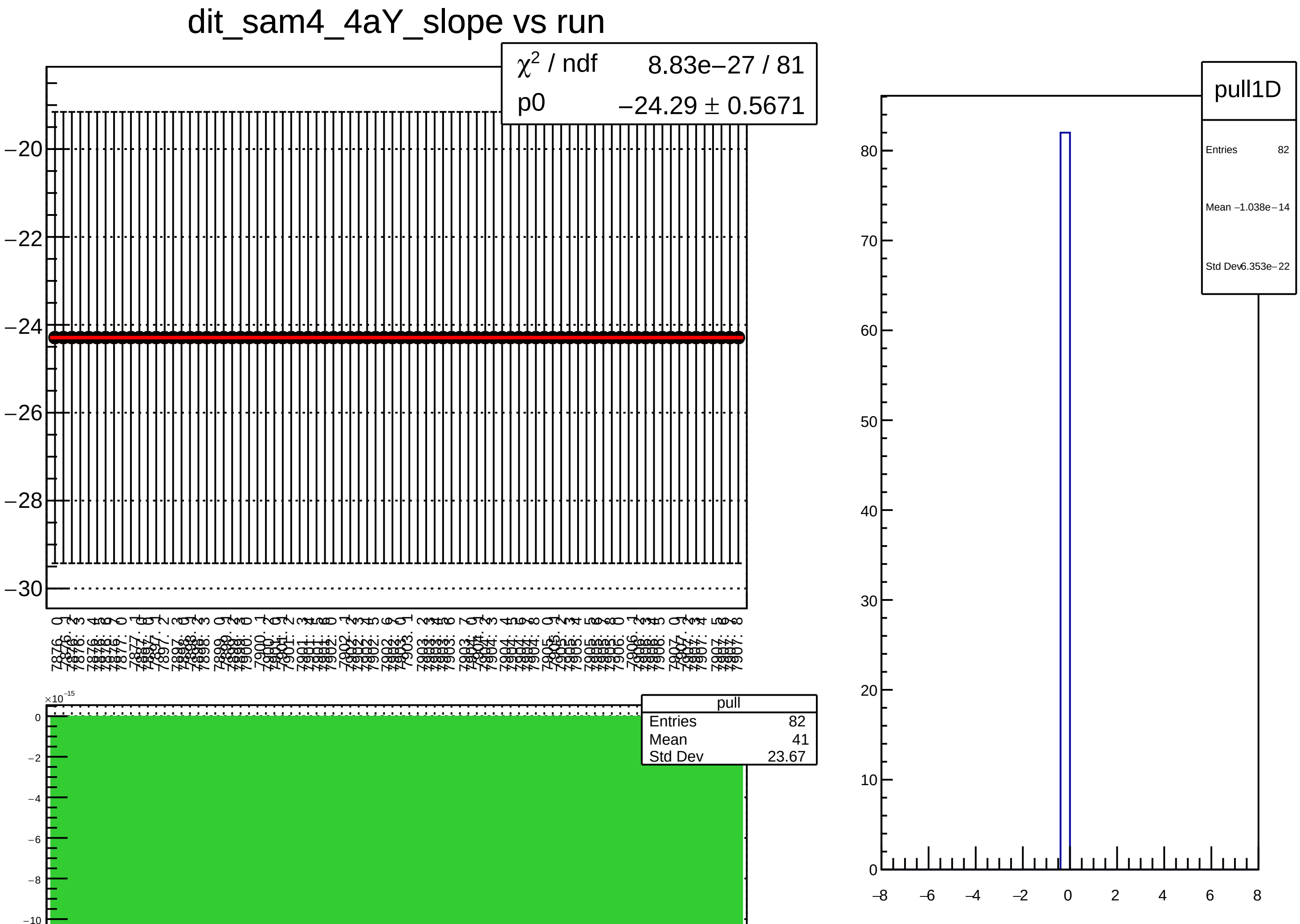

dit_sam4_4aX_slope vs run
χ2 / ndf 5.884e−30 / 81
p0 5.205 ± 0.3662
pull
Entries 82
Mean 41
Std Dev 23.67
×10−15
pull1D
Entries 82
Mean −2.679e−16
Std Dev3.309e−24

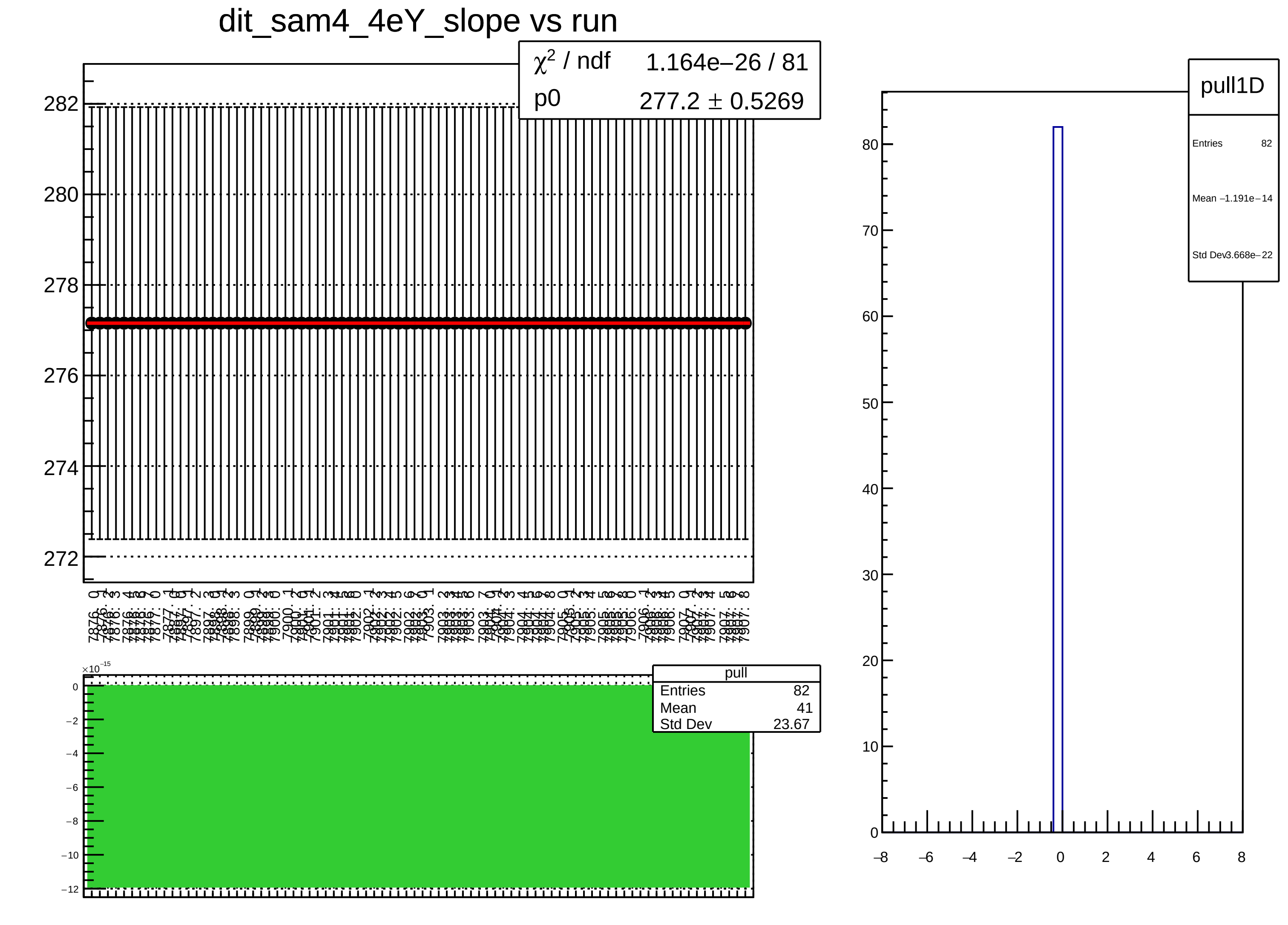


dit_sam4_4eX_slope vs run
χ^2 / ndf 1.331e−25 / 81
p0 −201.3 ± 0.2337
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.029e−14
Std Dev 3.054e−21

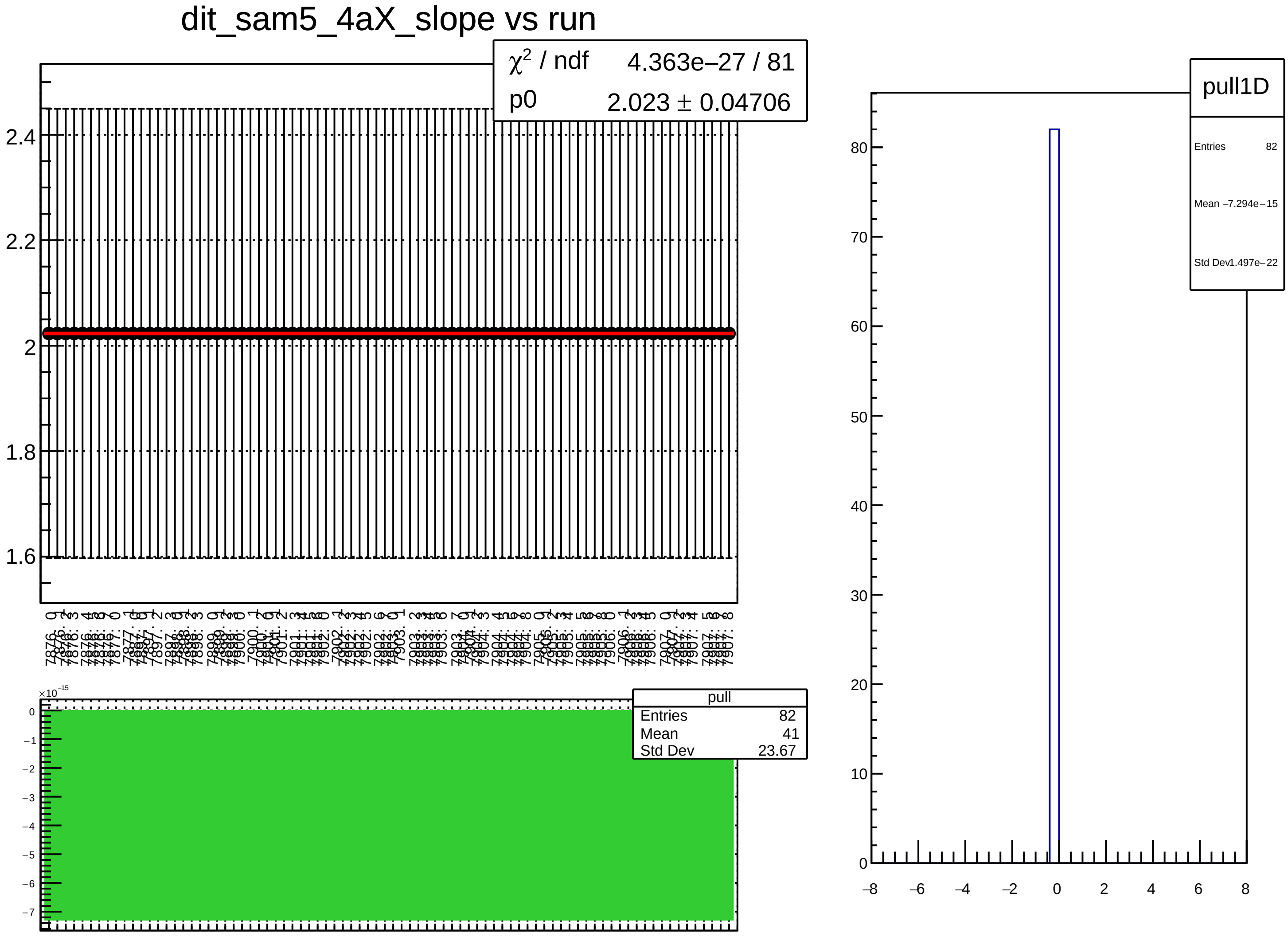


dit_sam4_11X12X_slope vs run
χ2 / ndf 1.975e−29 / 81
p0 0.3716 ± 0.08745
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.907e−16
Std Dev1.751e−23

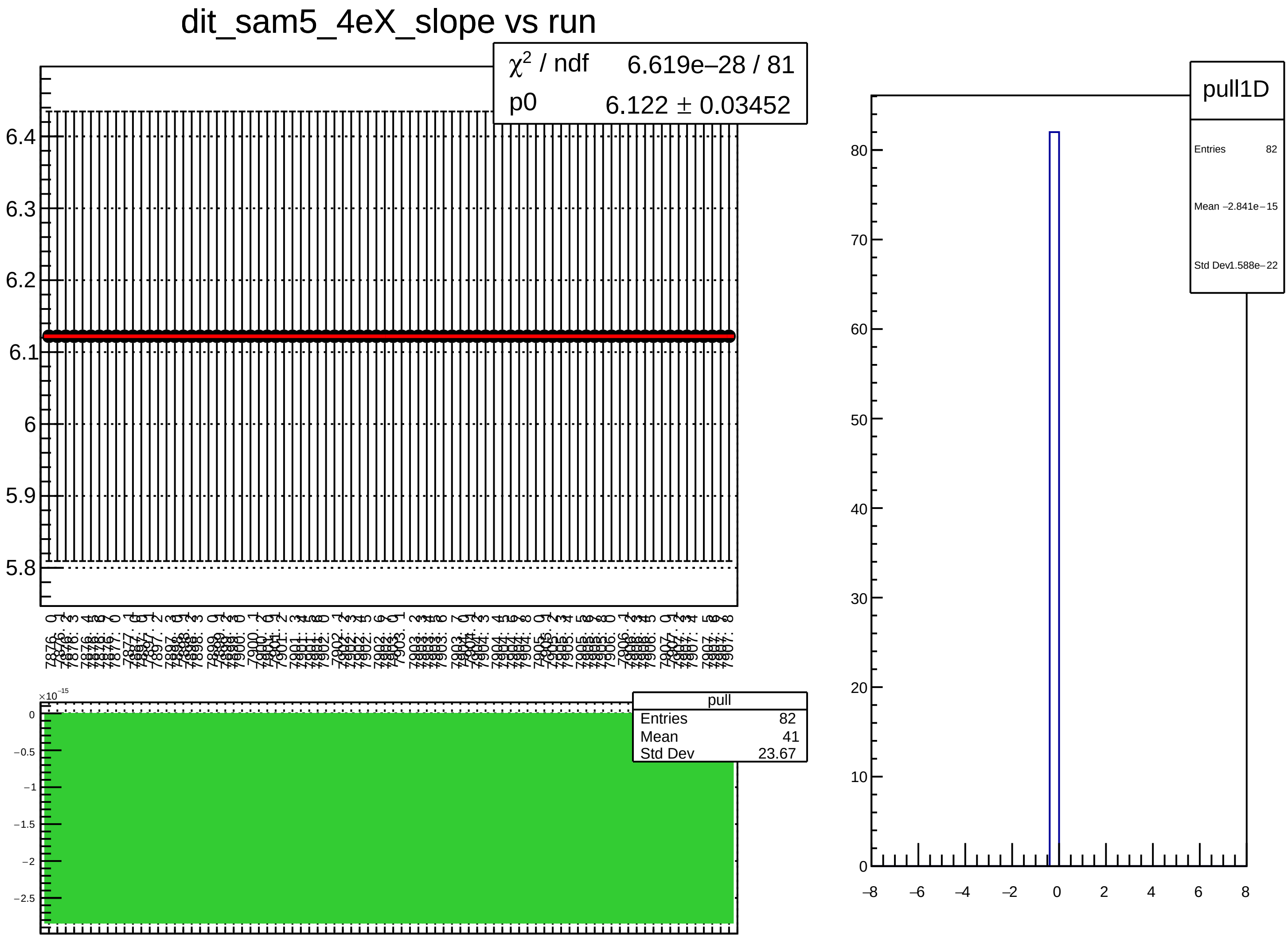

dit_sam4_4aY_slope vs run
χ^2 / ndf 8.83e−27 / 81
p0 −24.29 ± 0.5671
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.038e−14
Std Dev 6.353e−22



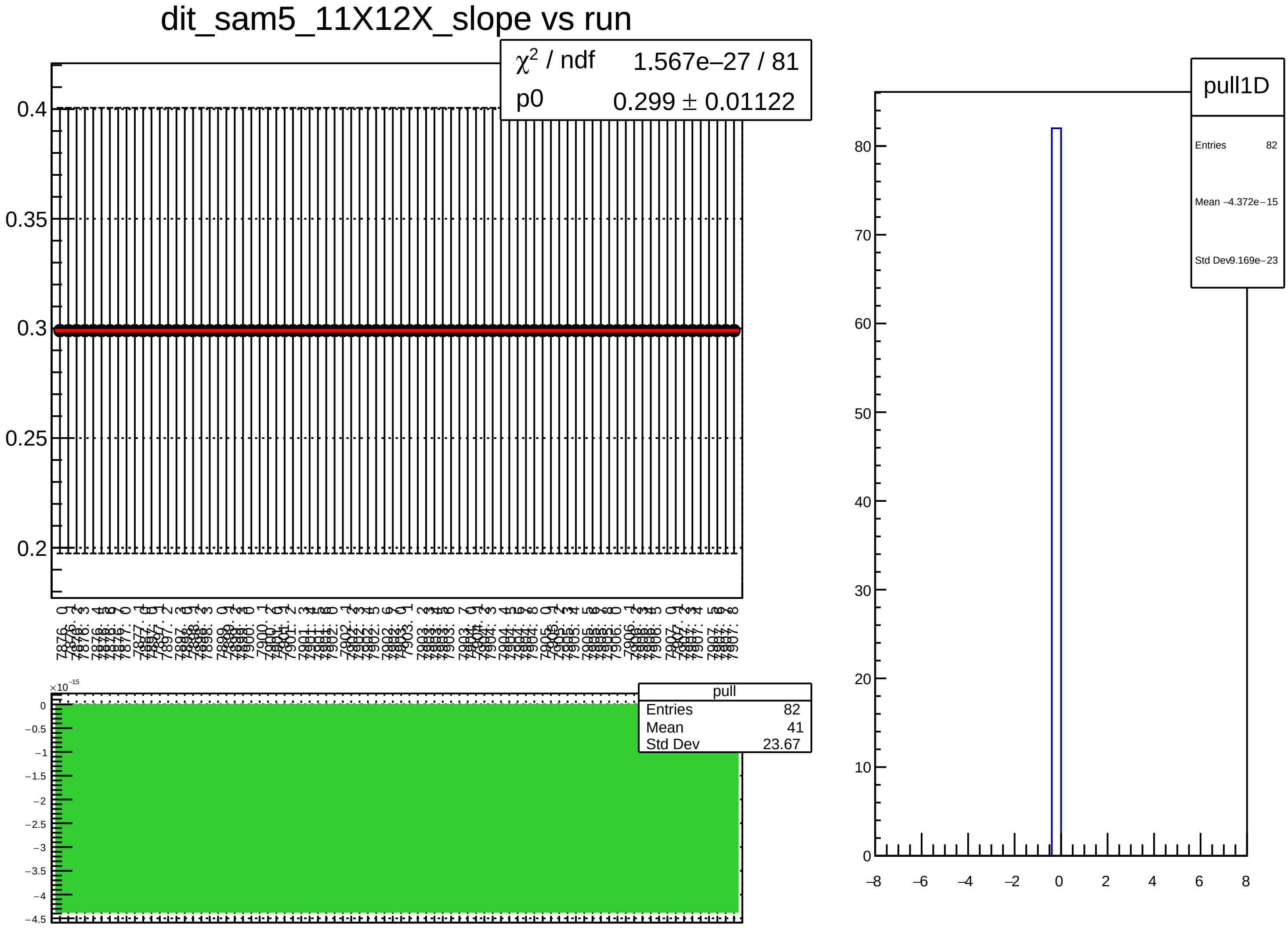
dit_sam4_4eY_slope vs run
χ2 / ndf 1.164e−26 / 81
p0 277.2 ± 0.5269
282
280
278
276
274
272
×10−15
0
−2
−4
−6
−8
−10
−12
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.191e−14
Std Dev 3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



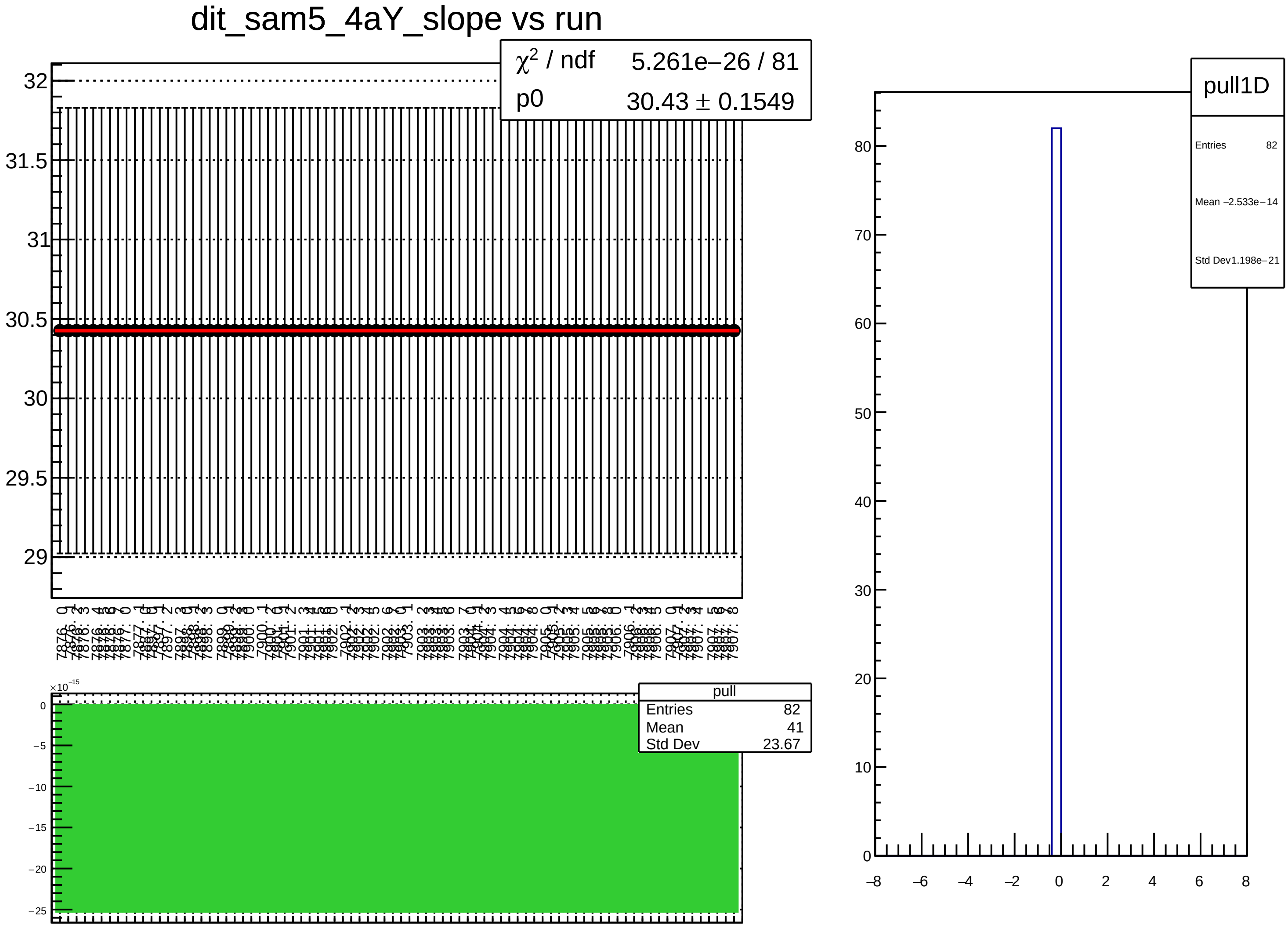
dit_sam5_4aX_slope vs run
χ^2 / ndf 4.363e−27 / 81
p0 2.023 ± 0.04706
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.294e−15
Std Dev1.497e−22



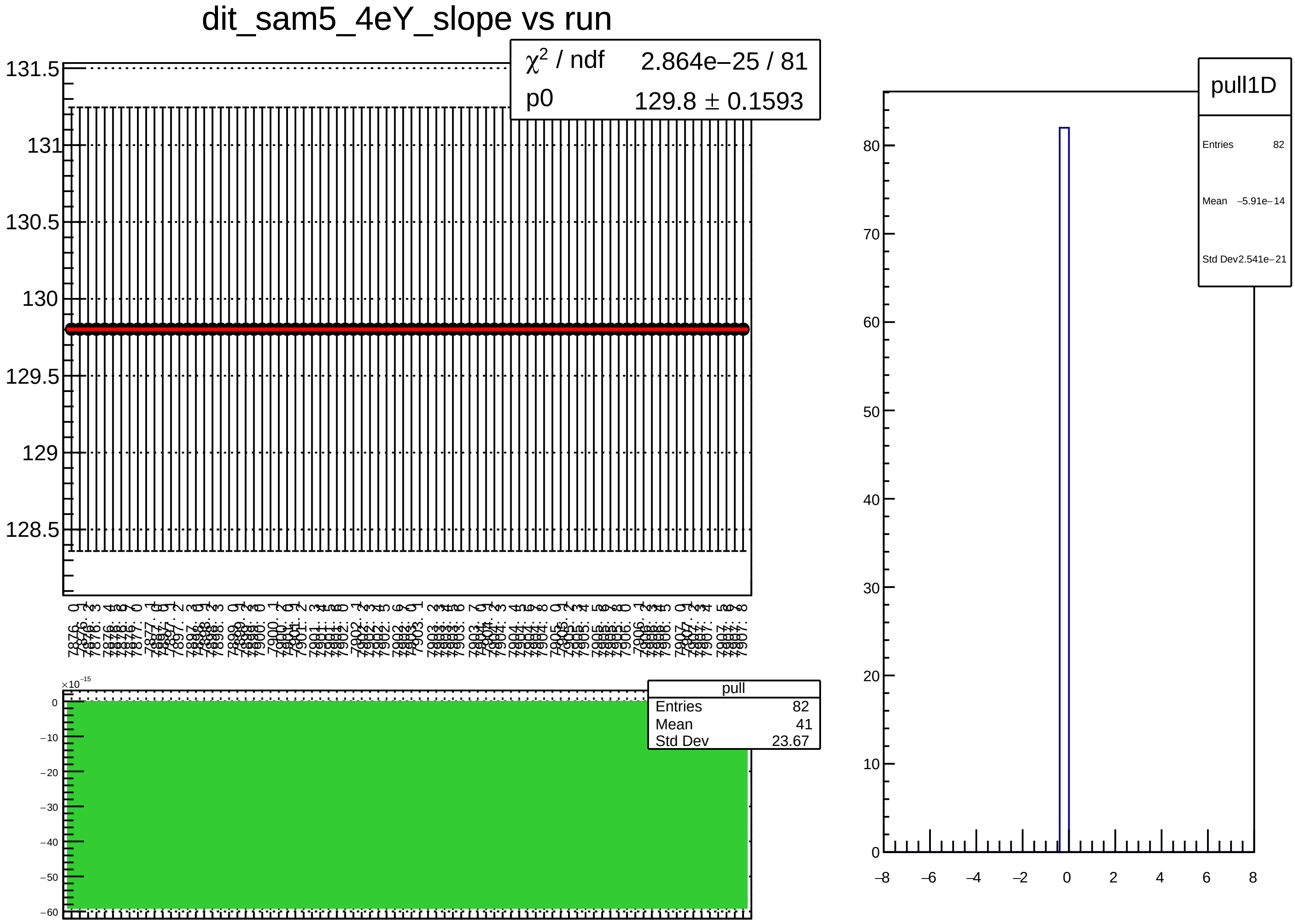
dit_sam5_4eX_slope vs run
χ2 / ndf 6.619e−28 / 81
p0 6.122 ± 0.03452
6.4
6.3
6.2
6.1
6
5.9
5.8
×10−15
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.841e−15
Std Dev1.588e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



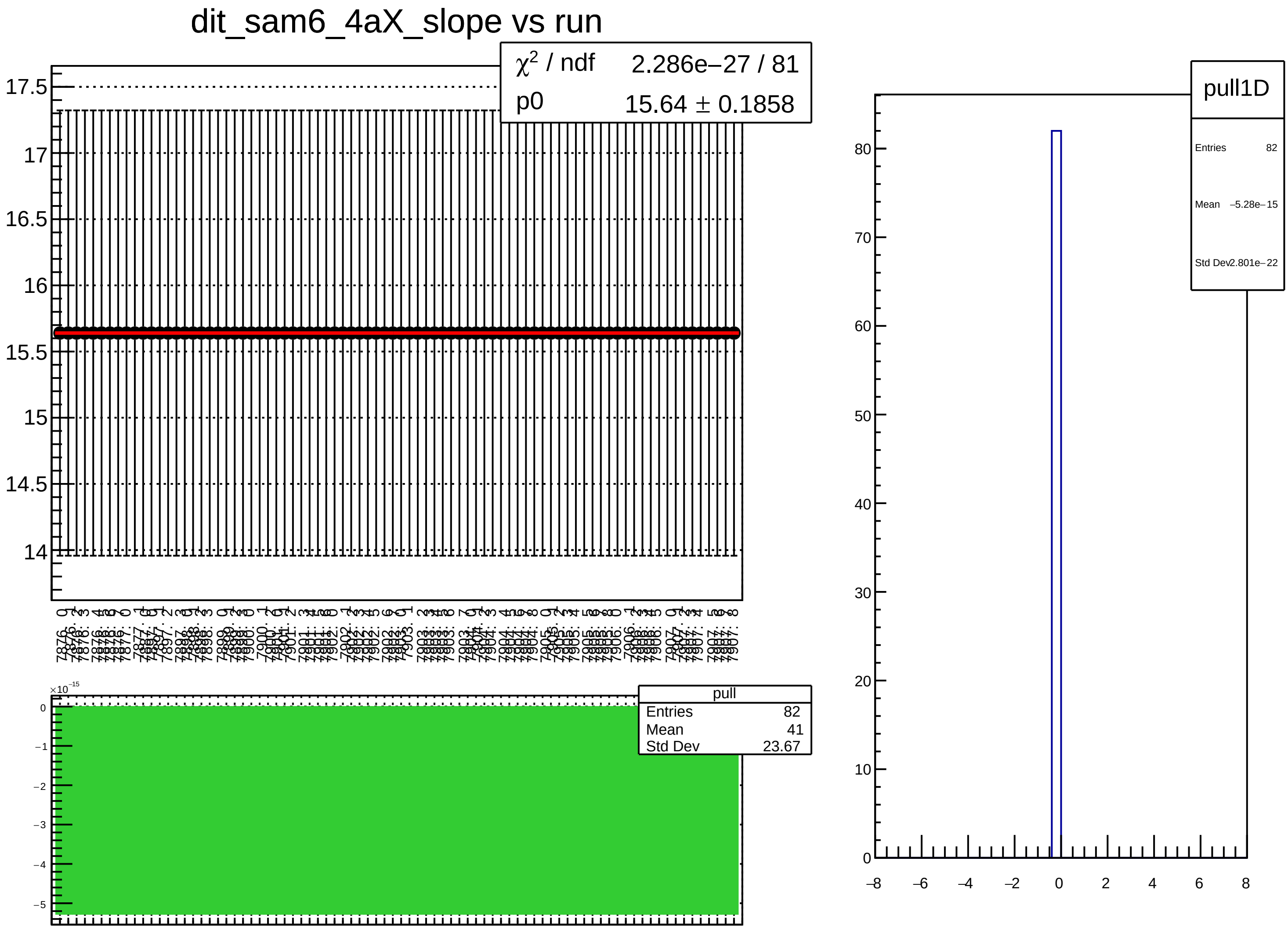
dit_sam5_11X12X_slope vs run
χ2 / ndf 1.567e−27 / 81
p0 0.299 ± 0.01122
0.4
0.35
0.3
0.25
0.2
×10−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.372e−15
Std Dev9.169e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



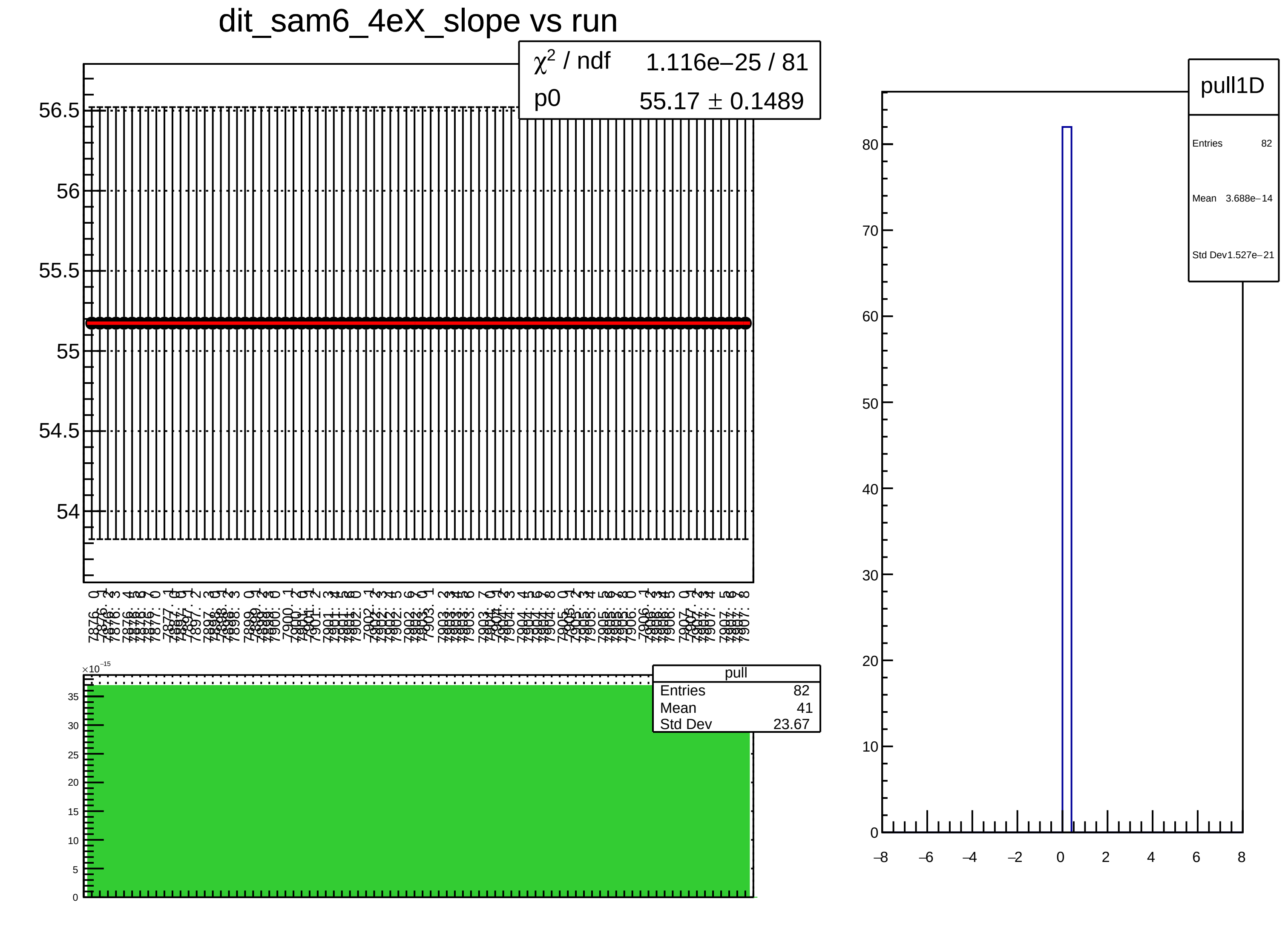
dit_sam5_4aY_slope vs run
χ2 / ndf 5.261e−26 / 81
p0 30.43 ± 0.1549
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.533e−14
Std Dev1.198e−21



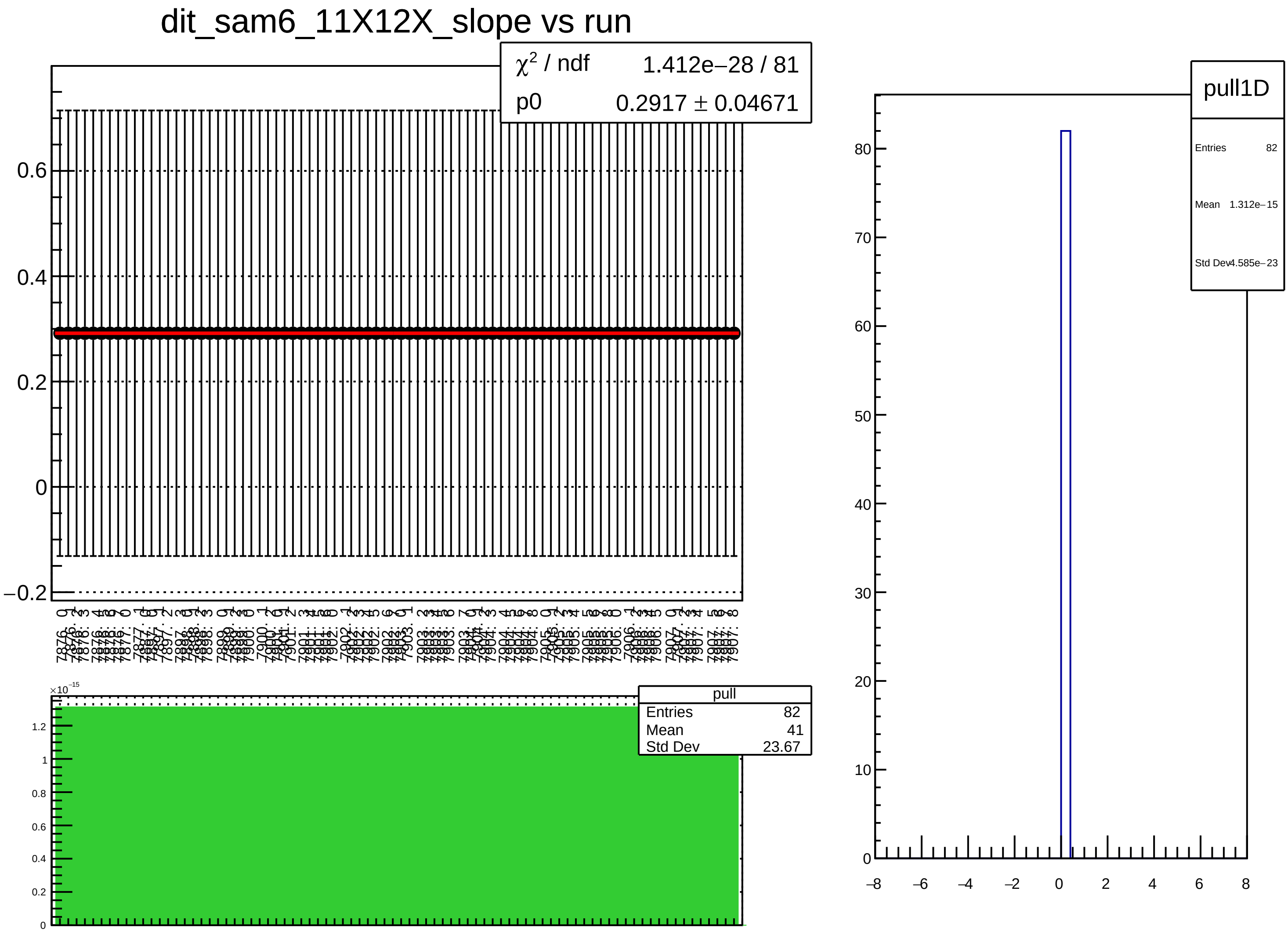
dit_sam5_4eY_slope vs run
χ^2 / ndf 2.864e−25 / 81
p0 129.8 ± 0.1593
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.91e−14
Std Dev 2.541e−21



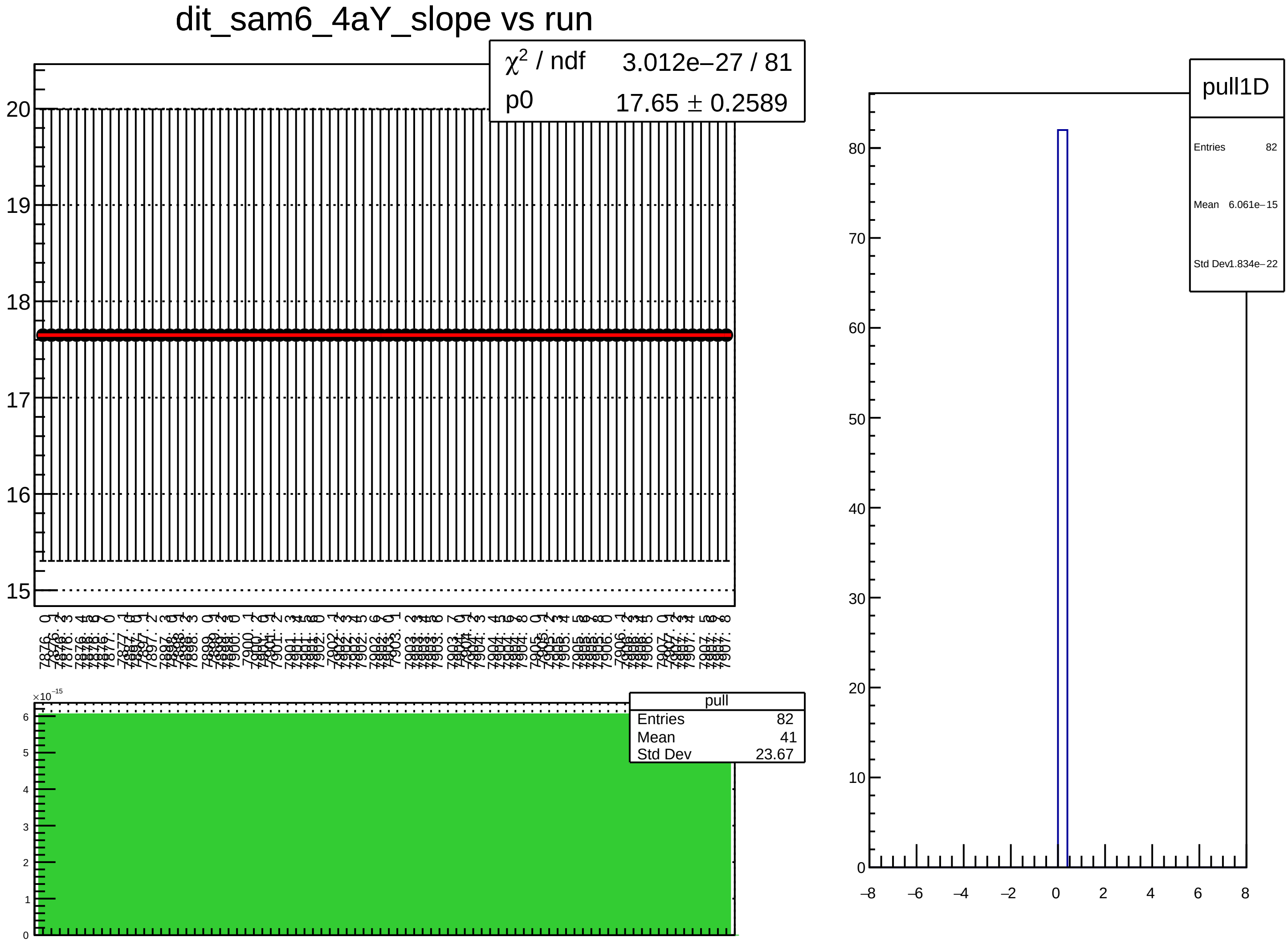
dit_sam6_4aX_slope vs run
χ^2 / ndf 2.286e−27 / 81
p0 15.64 ± 0.1858
17.5
17
16.5
16
15.5
15
14.5
14
×10^{-15}
0
−1
−2
−3
−4
−5
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.28e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



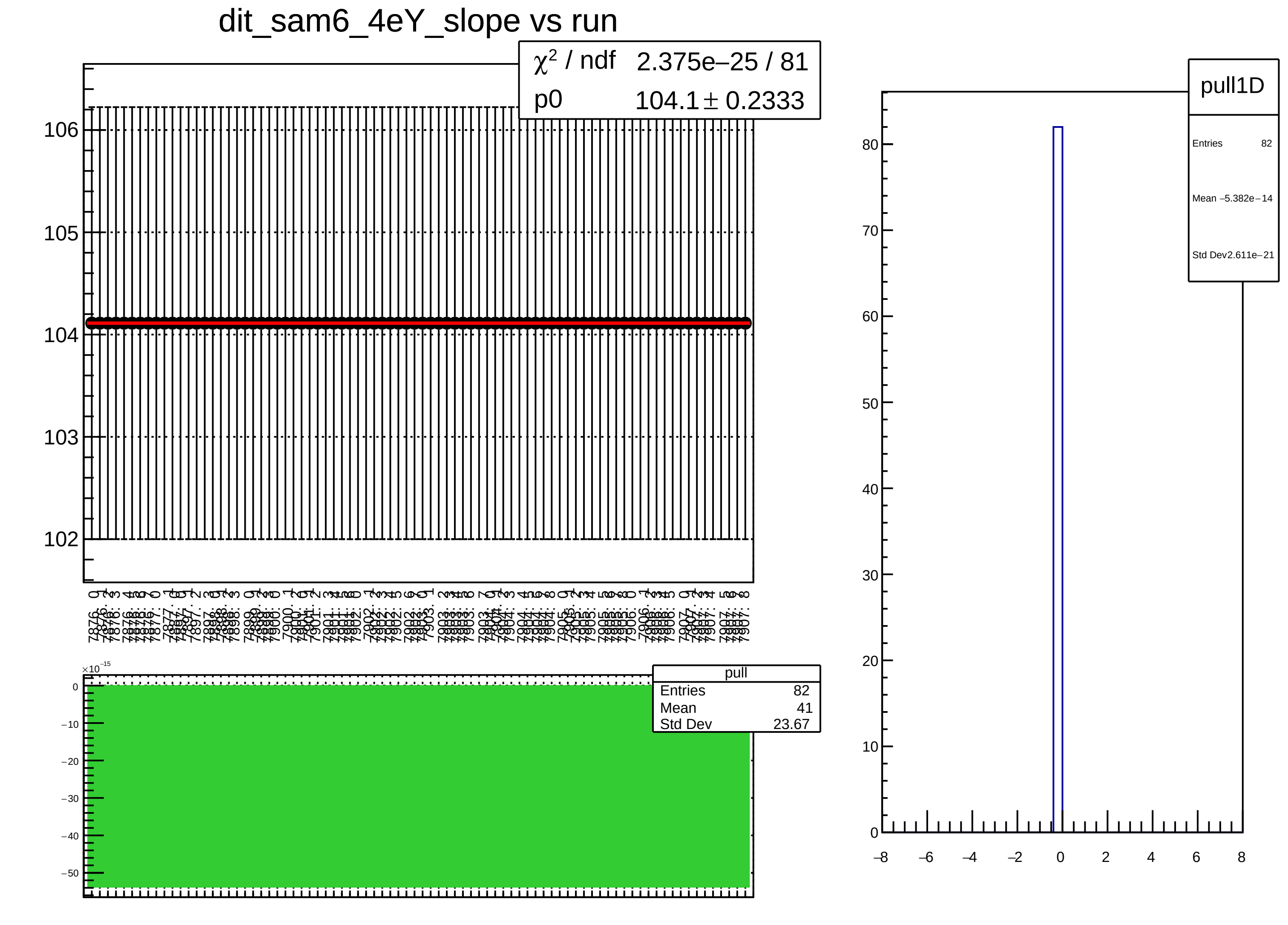
dit_sam6_4eX_slope vs run
χ2 / ndf 1.116e−25 / 81
p0 55.17 ± 0.1489
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.688e−14
Std Dev 1.527e−21



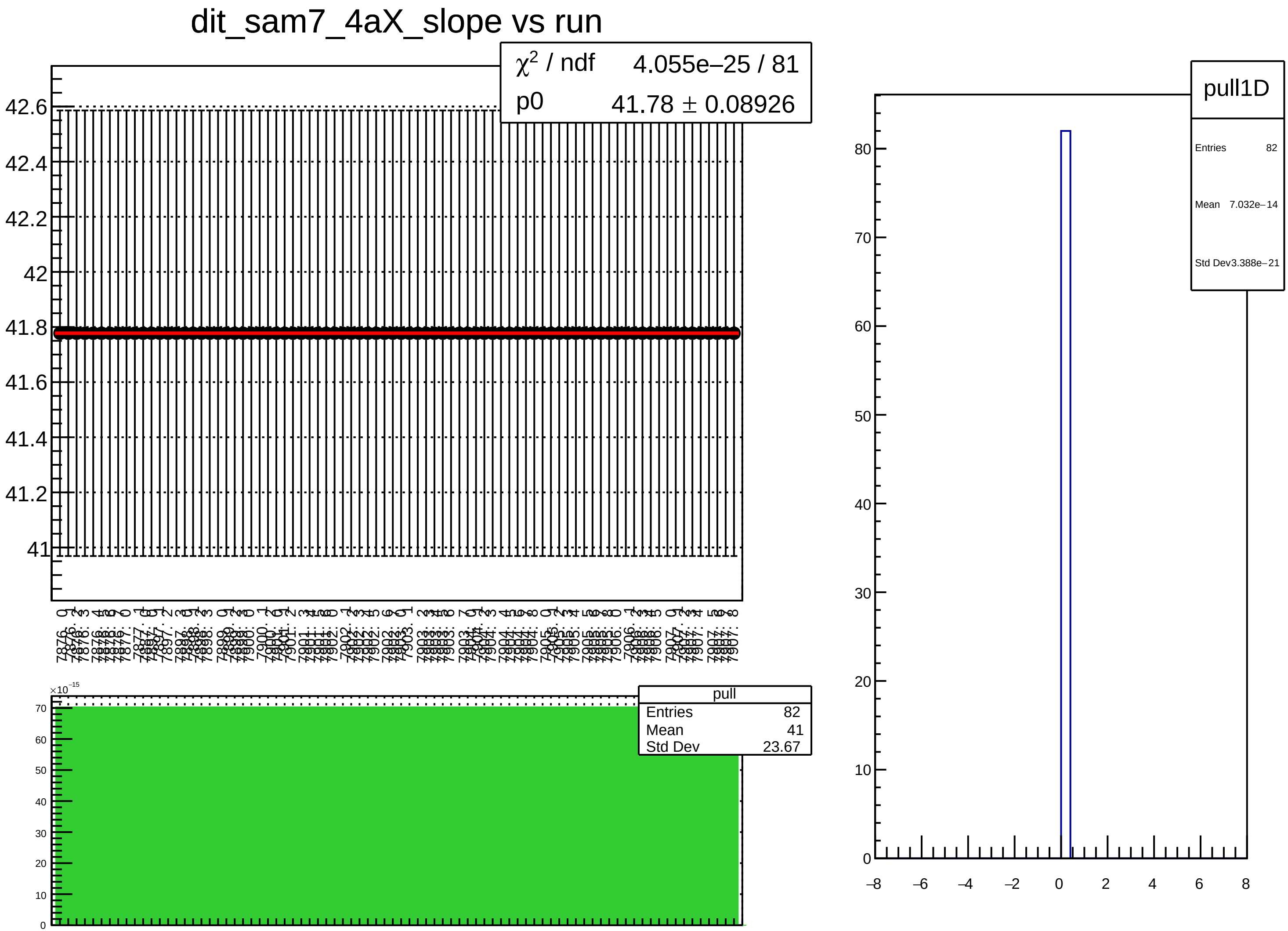
dit_sam6_11X12X_slope vs run
χ^2 / ndf 1.412e−28 / 81
p0 0.2917 ± 0.04671
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.312e−15
Std Dev4.585e−23



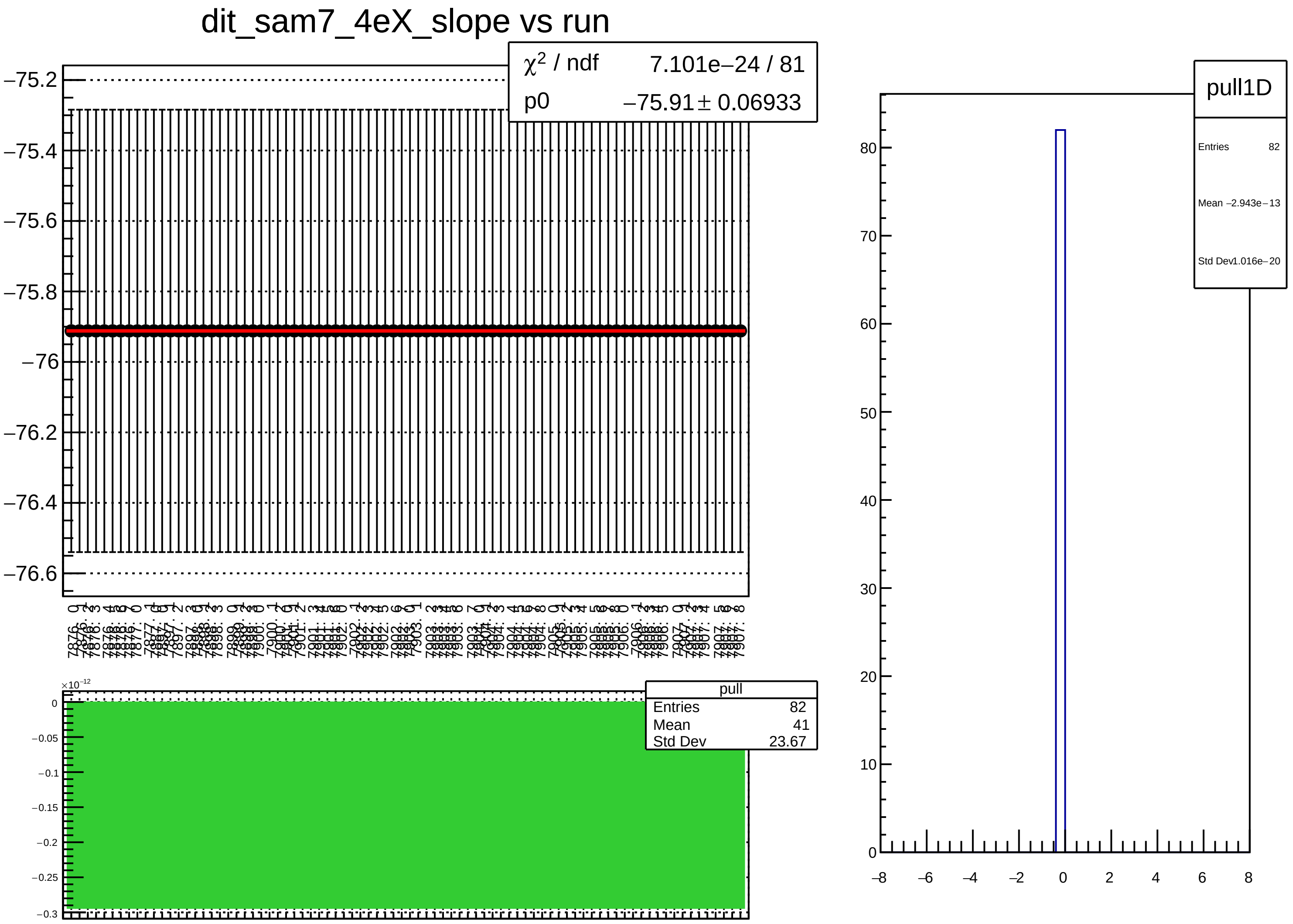
dit_sam6_4aY_slope vs run
χ^2 / ndf 3.012e−27 / 81
p0 17.65 ± 0.2589
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 6.061e−15
Std Dev 1.834e−22



dit_sam6_4eY_slope vs run
χ2 / ndf 2.375e−25 / 81
p0 104.1 ± 0.2333
106
105
104
103
102
×10−15
0
−10
−20
−30
−40
−50
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.382e−14
Std Dev 2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

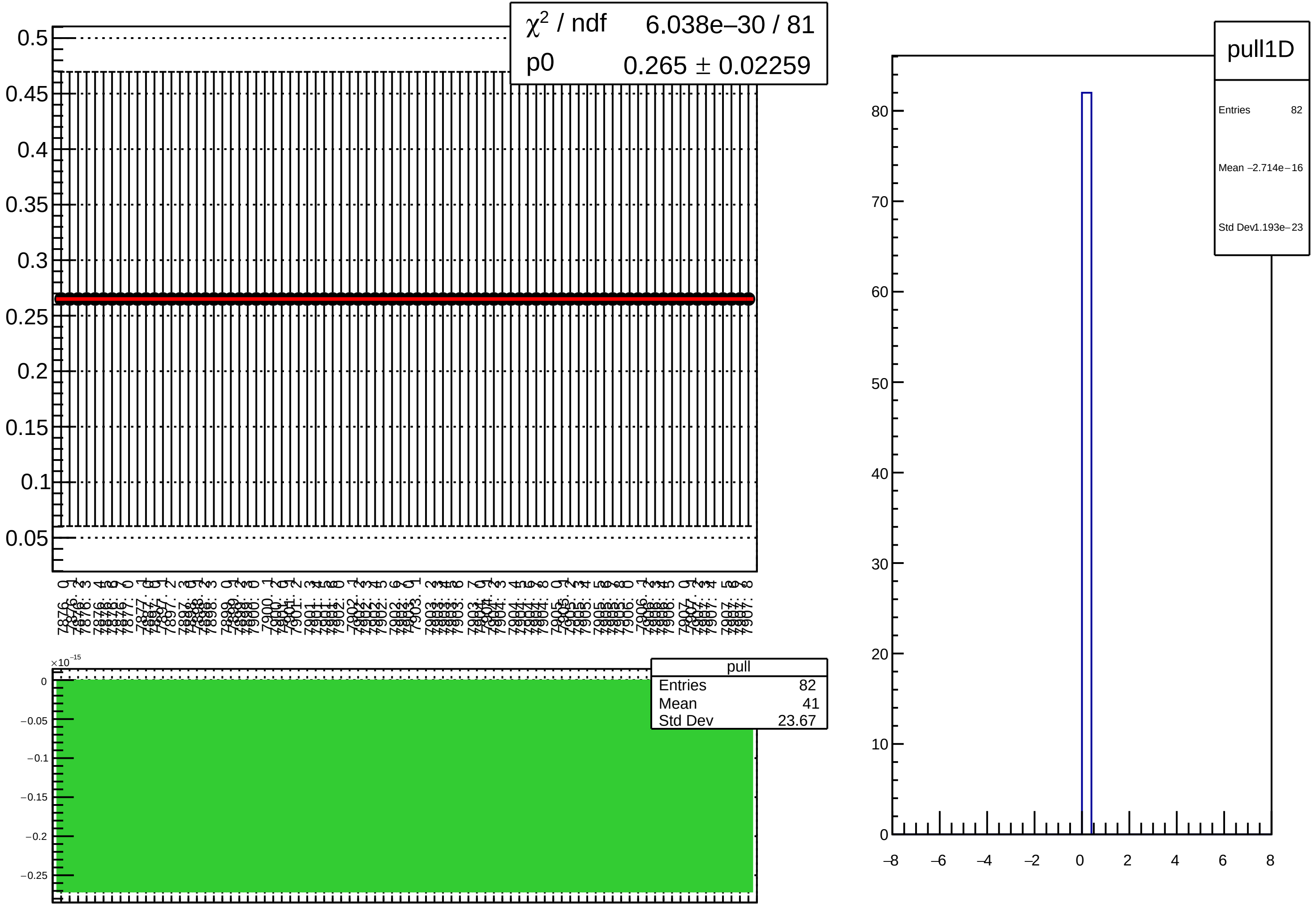


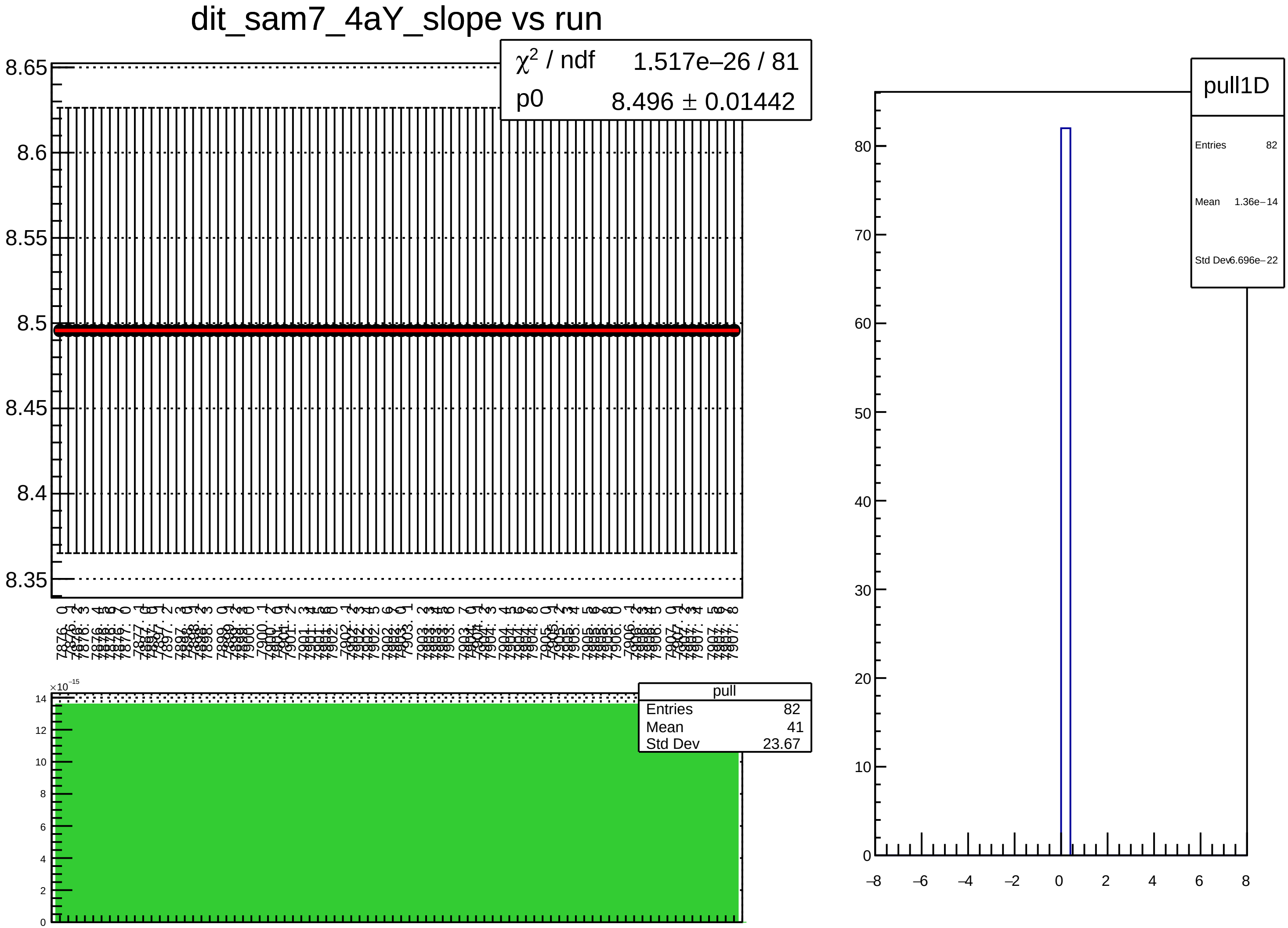
dit_sam7_4aX_slope vs run
χ^2 / ndf 4.055e−25 / 81
p0 41.78 ± 0.08926
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.032e−14
Std Dev 3.388e−21



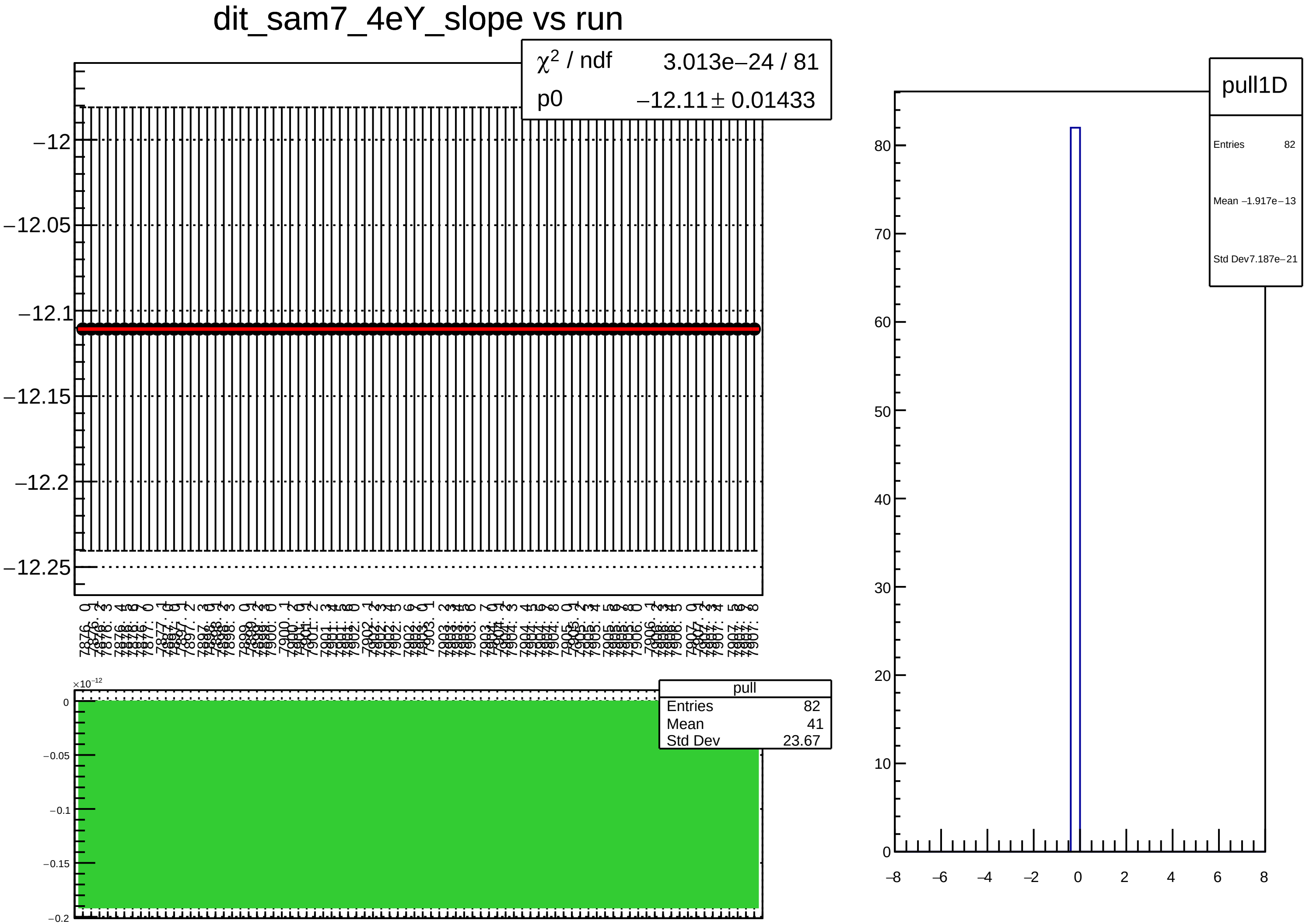
dit_sam7_4eX_slope vs run
χ2 / ndf 7.101e−24 / 81
p0 −75.91 ± 0.06933
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.943e−13
Std Dev 1.016e−20

dit_sam7_11X12X_slope vs run

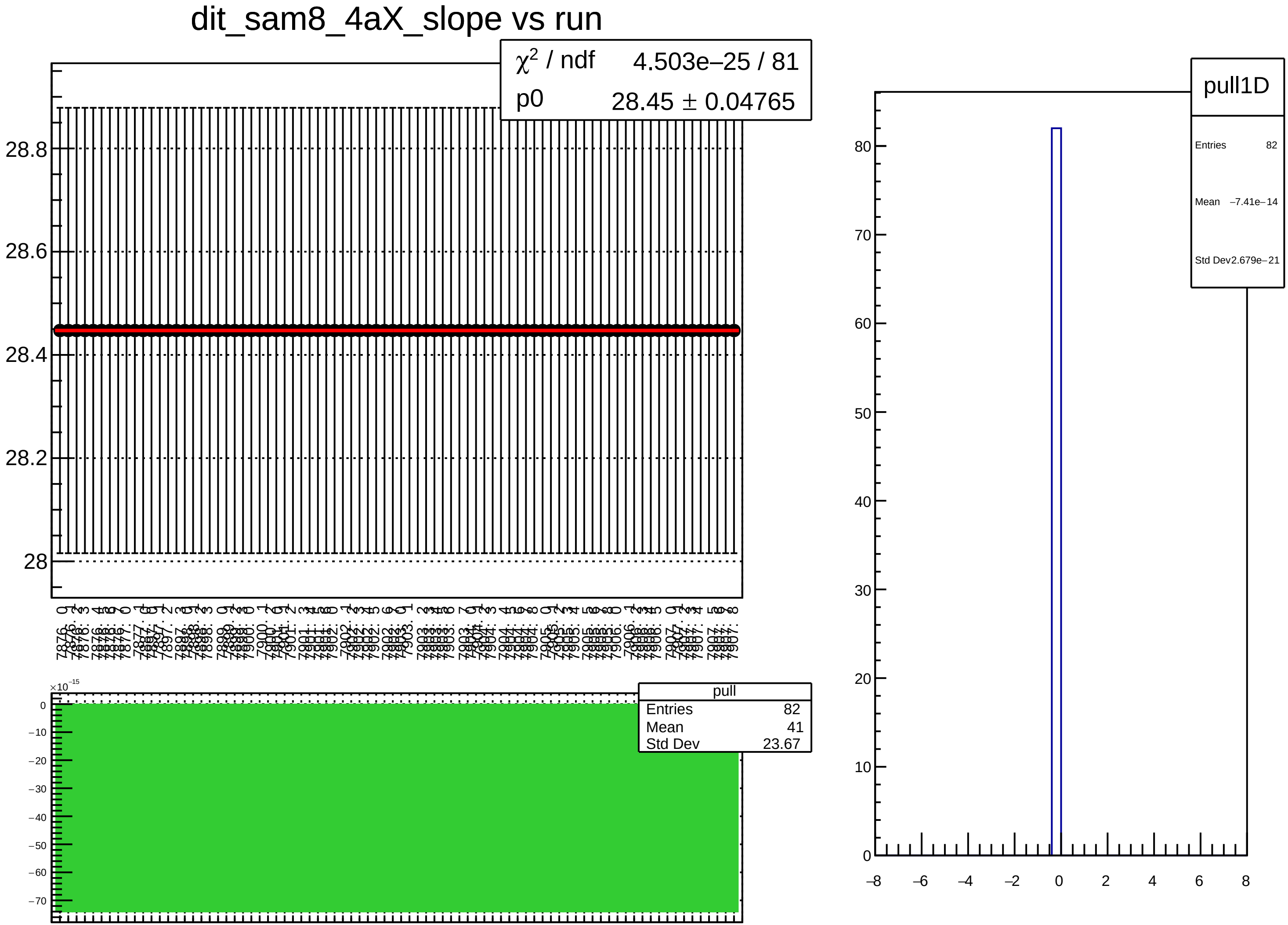




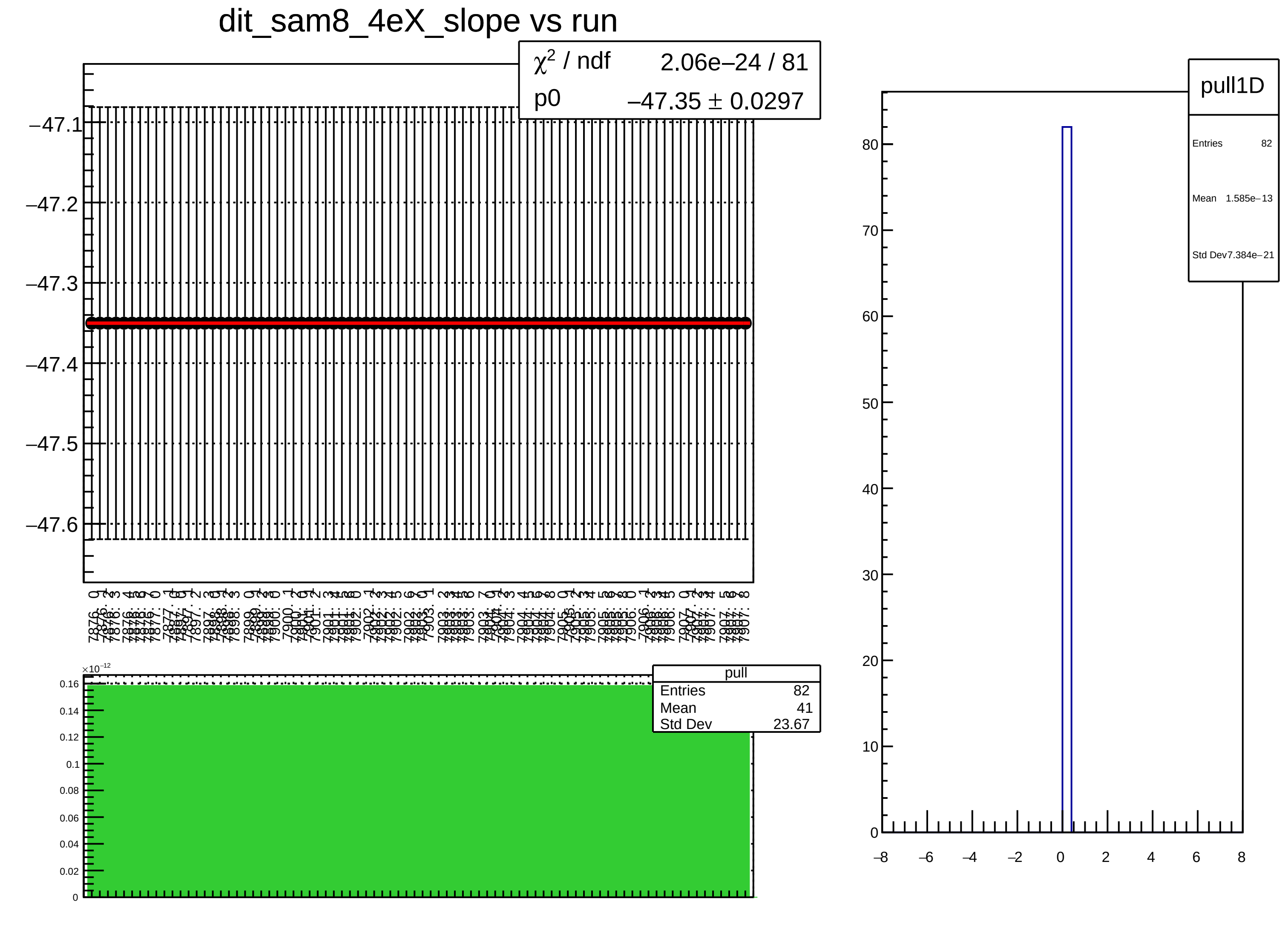
dit_sam7_4aY_slope vs run
χ^2 / ndf 1.517e−26 / 81
p0 8.496 ± 0.01442
8.65
8.6
8.55
8.5
8.45
8.4
8.35
×10^−15
14
12
10
8
6
4
2
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.36e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

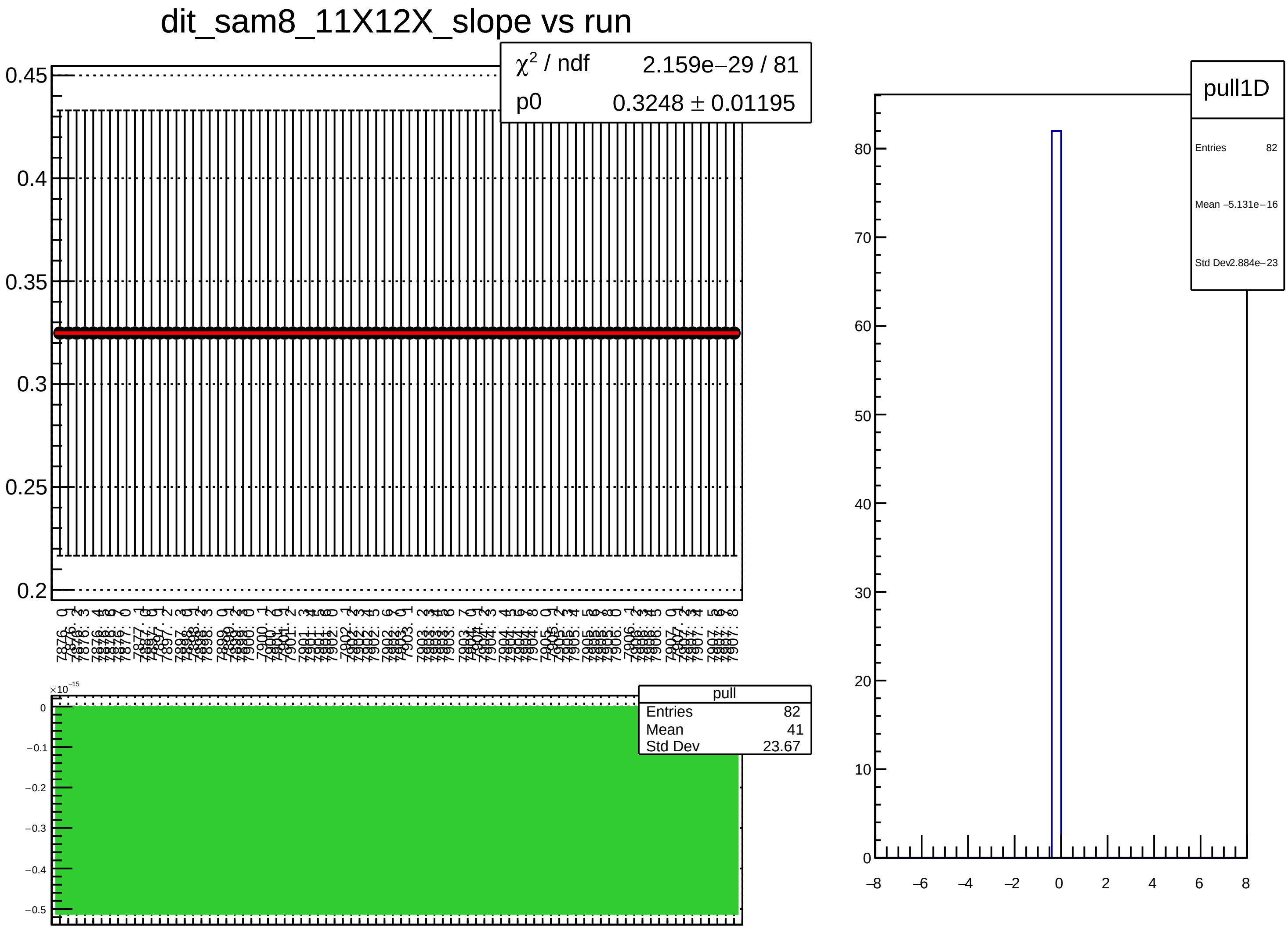


dit_sam7_4eY_slope vs run
χ2 / ndf 3.013e−24 / 81
p0 −12.11 ± 0.01433
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.917e−13
Std Dev 7.187e−21

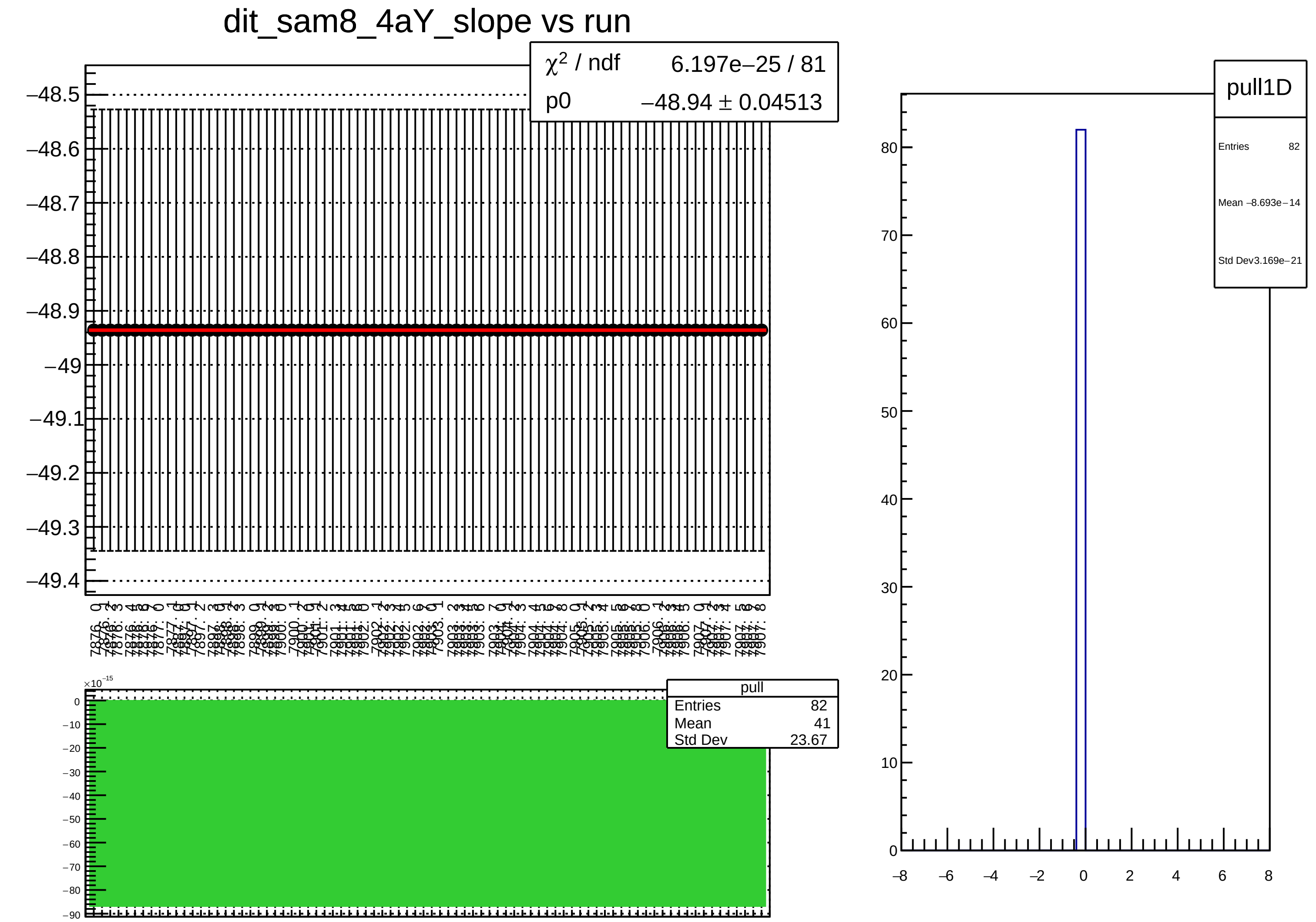


dit_sam8_4aX_slope vs run
χ^2 / ndf 4.503e−25 / 81
p0 28.45 ± 0.04765
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.41e−14
Std Dev 2.679e−21

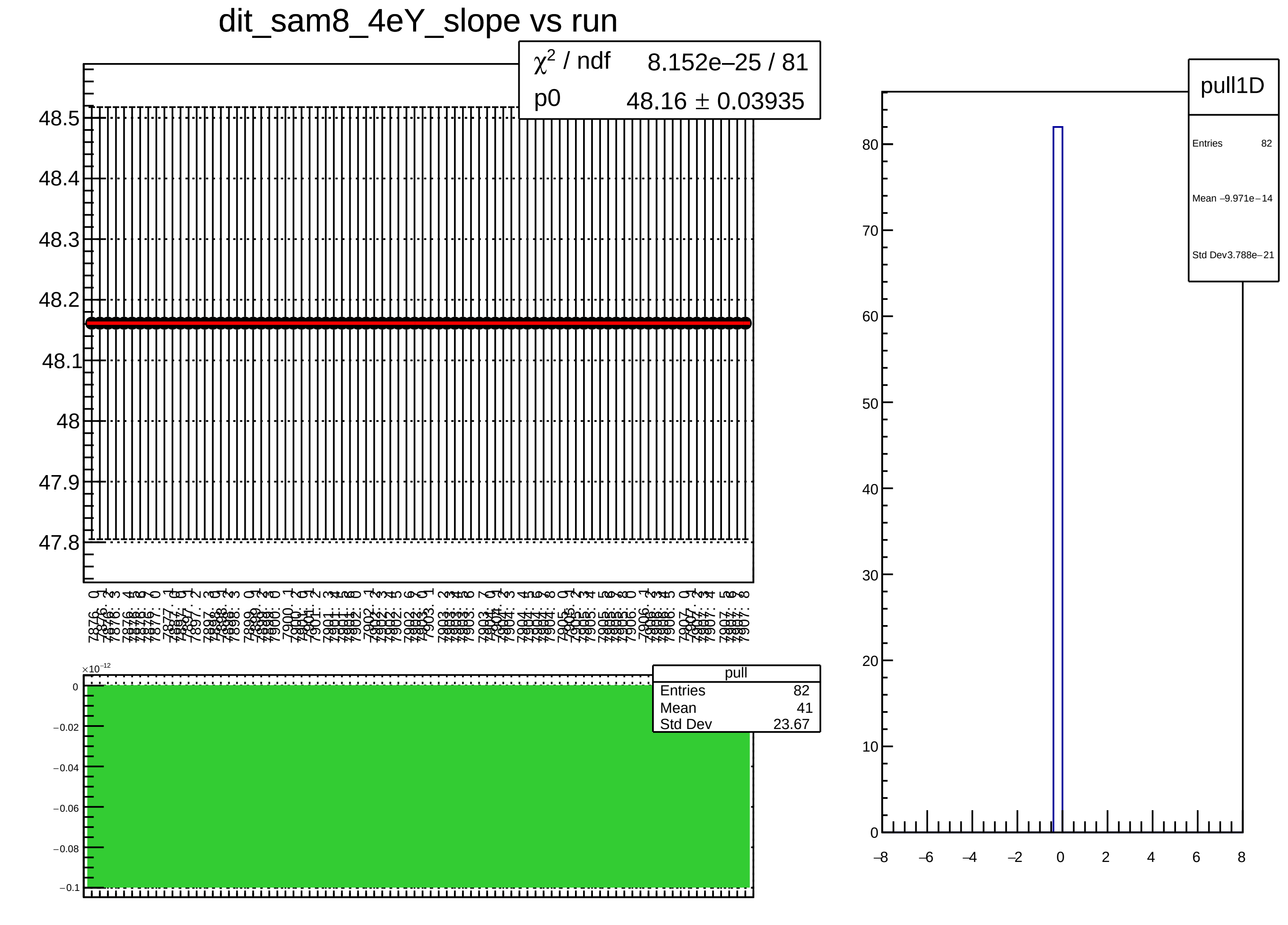

dit_sam8_4eX_slope vs run
χ2 / ndf 2.06e−24 / 81
p0 −47.35 ± 0.0297
−47.1
−47.2
−47.3
−47.4
−47.5
−47.6
×10−12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.585e−13
Std Dev 7.384e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

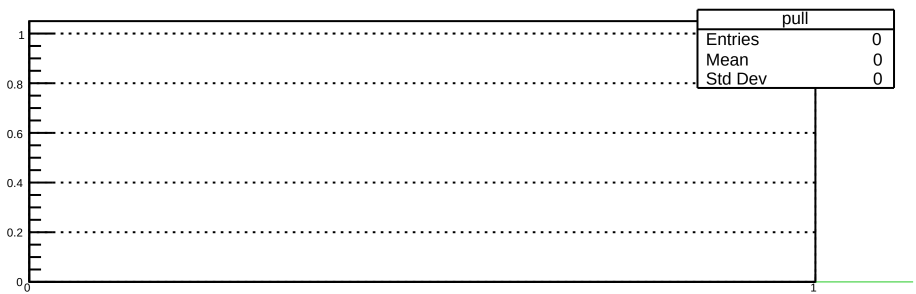


dit_sam8_11X12X_slope vs run
χ^2 / ndf 2.159e−29 / 81
p0 0.3248 ± 0.01195
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.131e−16
Std Dev 2.884e−23



dit_sam8_4aY_slope vs run
χ^2 / ndf 6.197e−25 / 81
p0 −48.94 ± 0.04513
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.693e−14
Std Dev 3.169e−21


dit_sam8_4eY_slope vs run
χ2 / ndf 8.152e−25 / 81
p0 48.16 ± 0.03935
48.5
48.4
48.3
48.2
48.1
48
47.9
47.8
×10−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −9.971e−14
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


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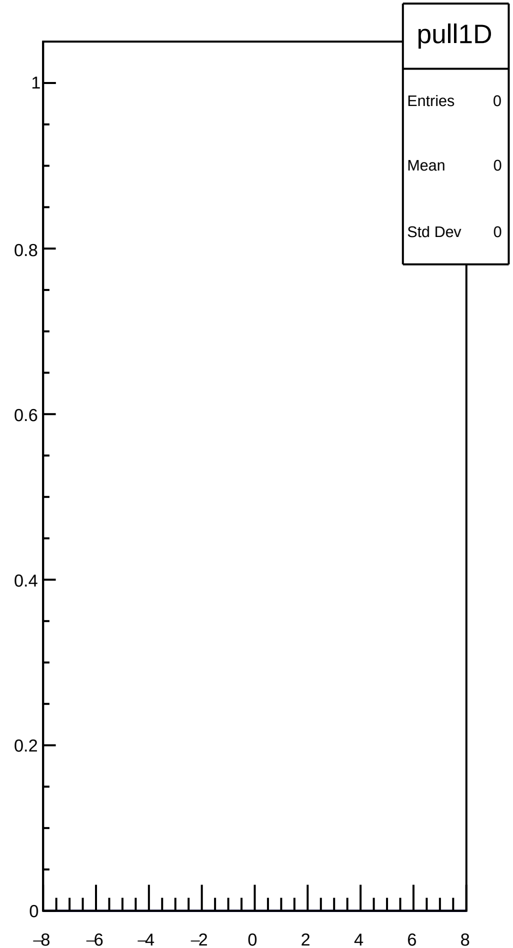
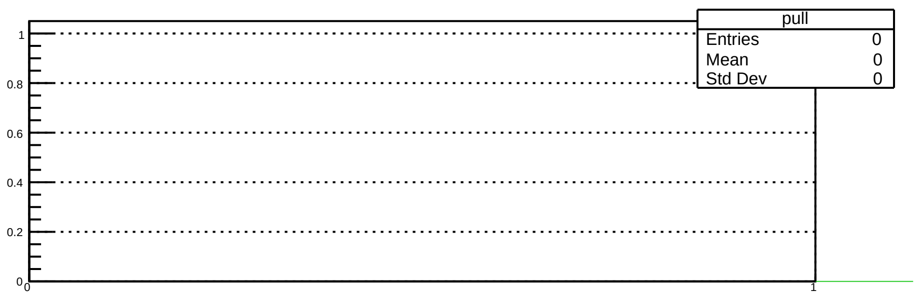
0
1


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



pull
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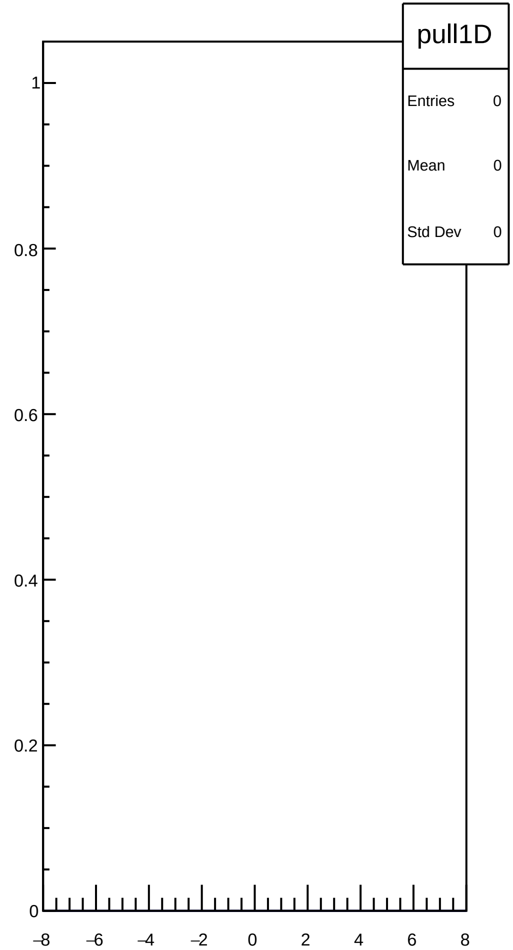
Mean 0
Std Dev 0



pull1D
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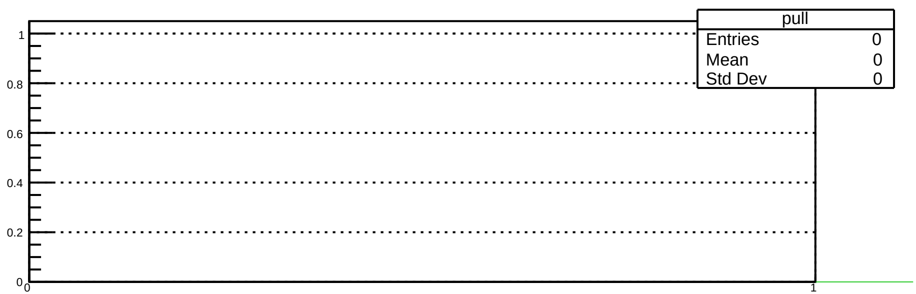
Mean 0
Std Dev 0


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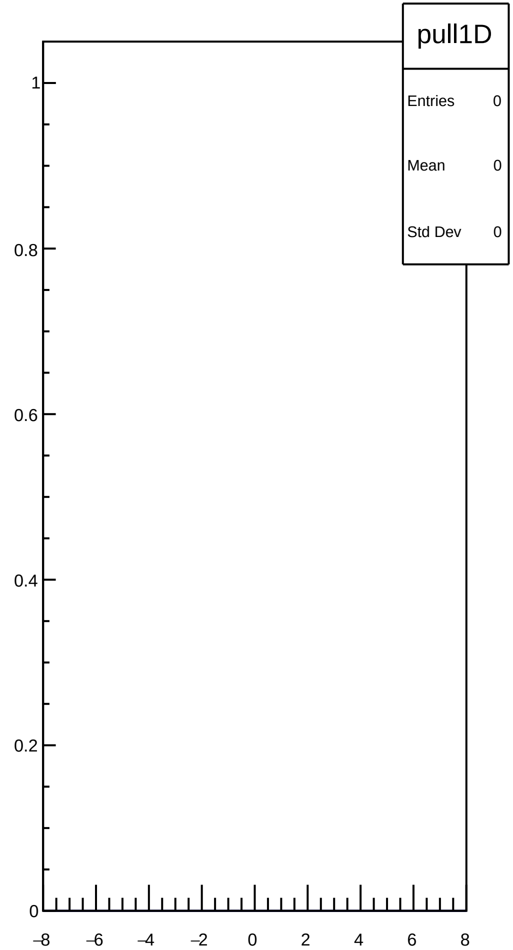
0.4
0.6
0.8
1
0
1


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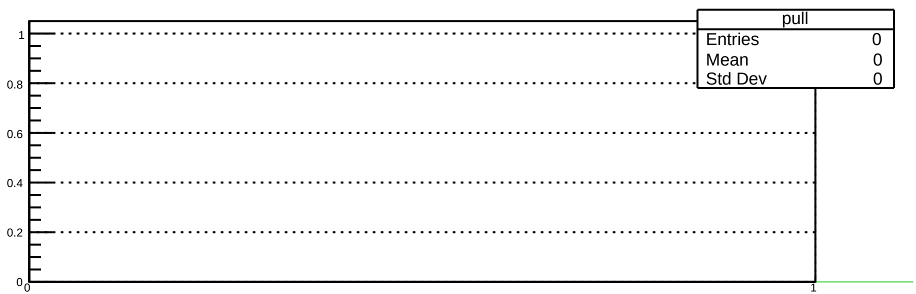
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


pull
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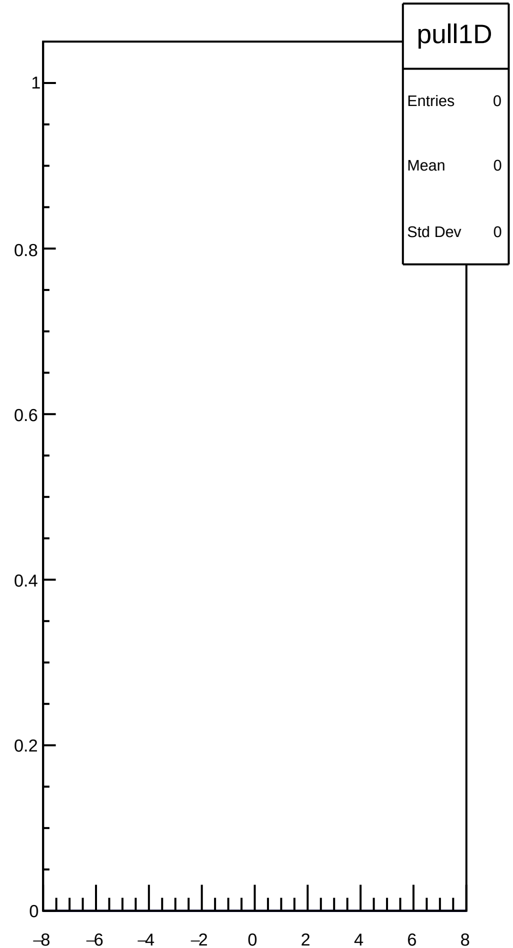
Mean 0
Std Dev 0


pull1D
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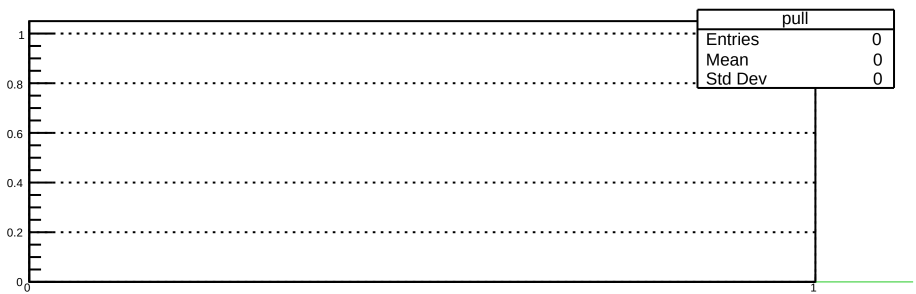
Mean 0
Std Dev 0



pull
Entries 0
Mean 0
Std Dev 0
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0
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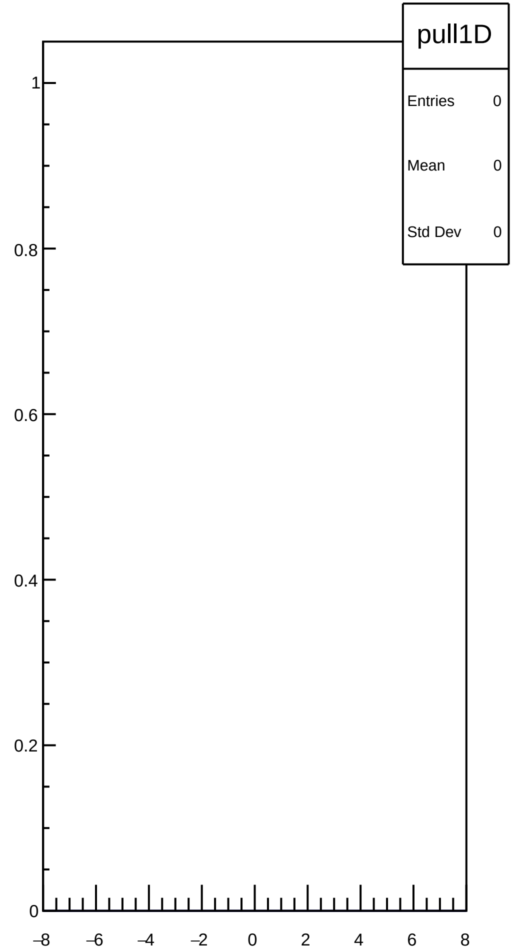

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
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2
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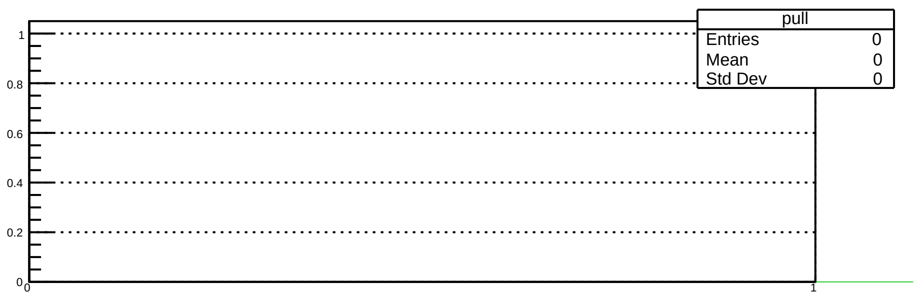

pull
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Std Dev 0
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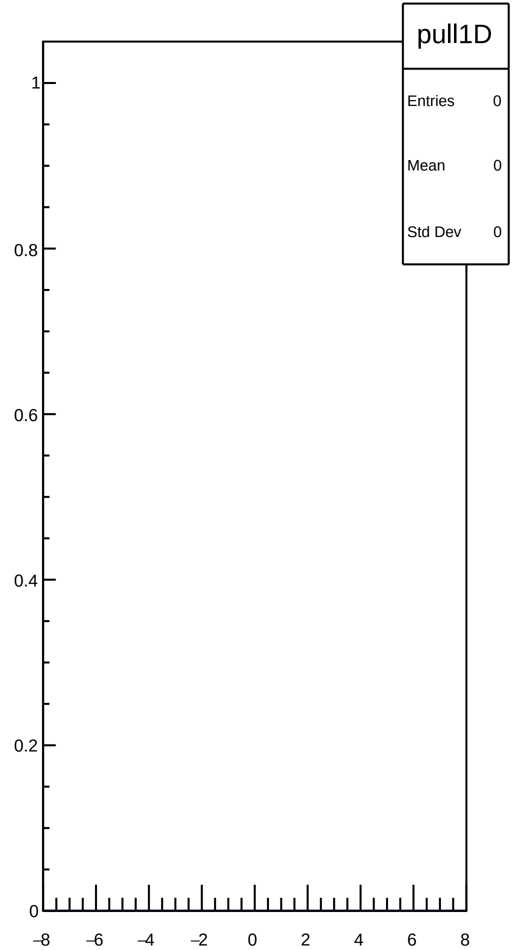

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
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–4
–2
0
2
4
6
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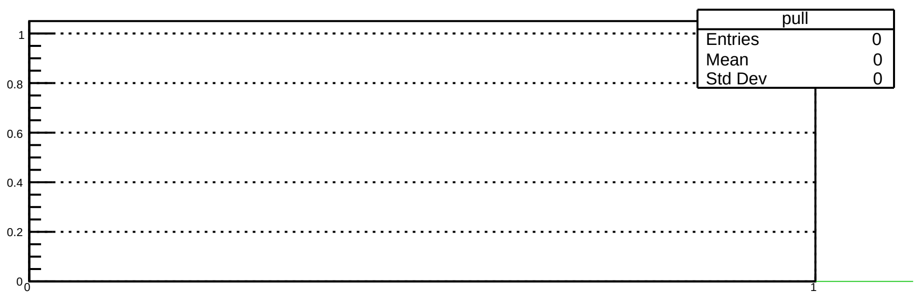
pull
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Mean 0
Std Dev 0
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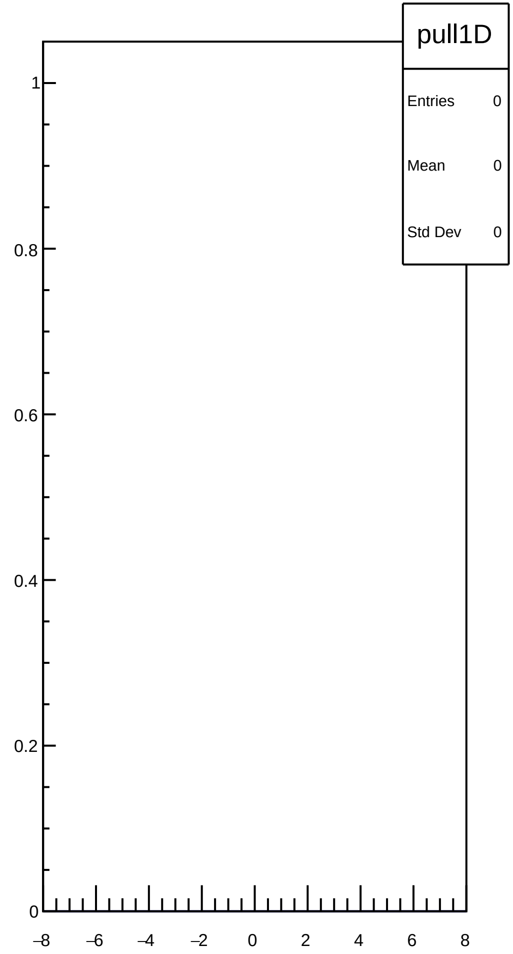
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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6
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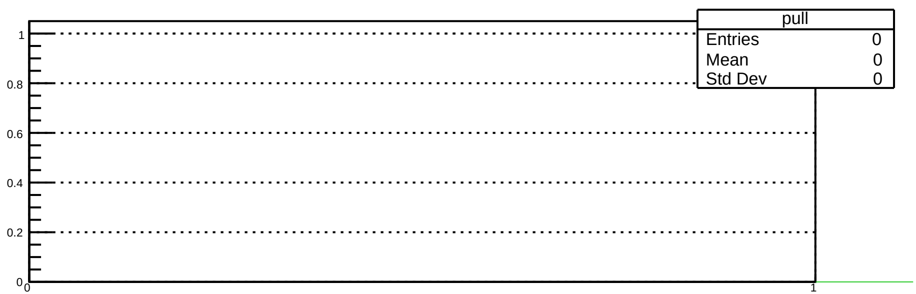

pull
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
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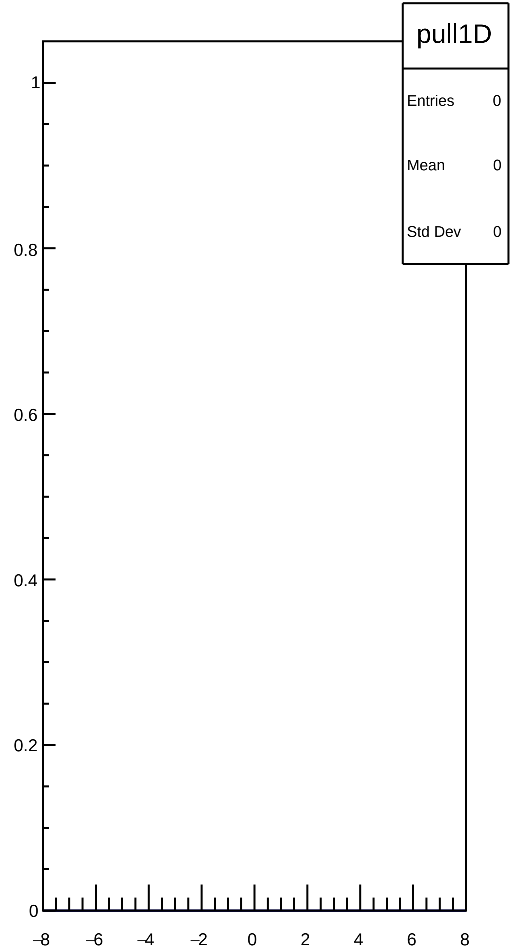

pull1D
Entries 0
Mean 0
Std Dev 0
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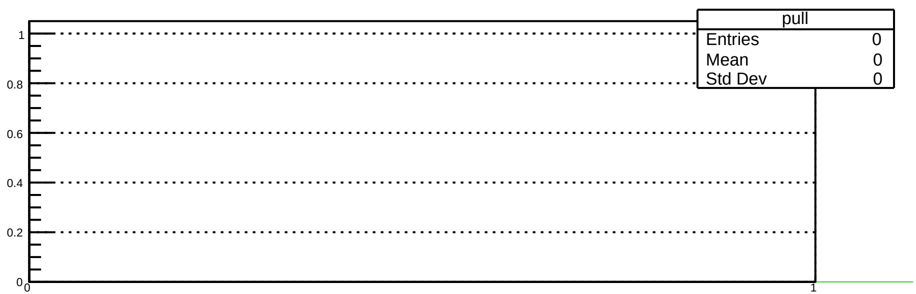
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


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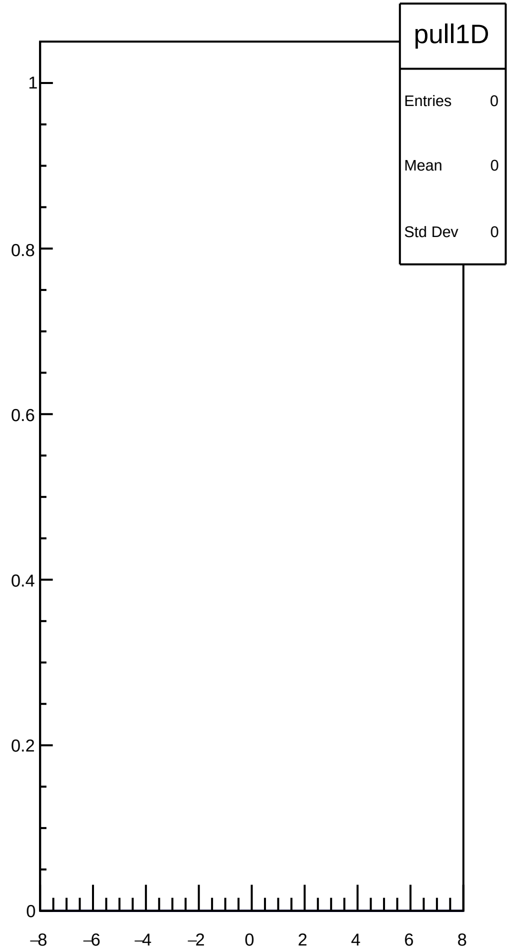
pull1D
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Std Dev 0
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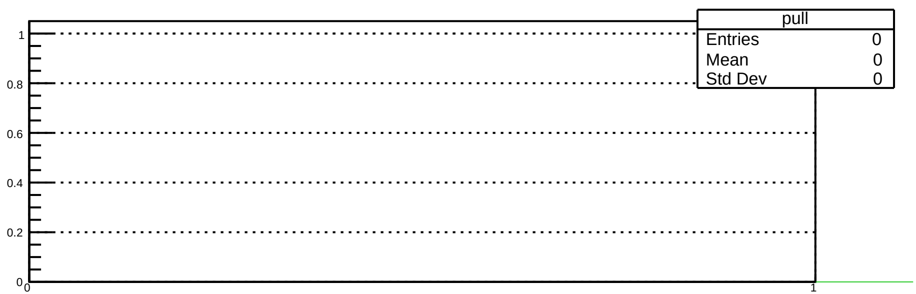
pull
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
1
0
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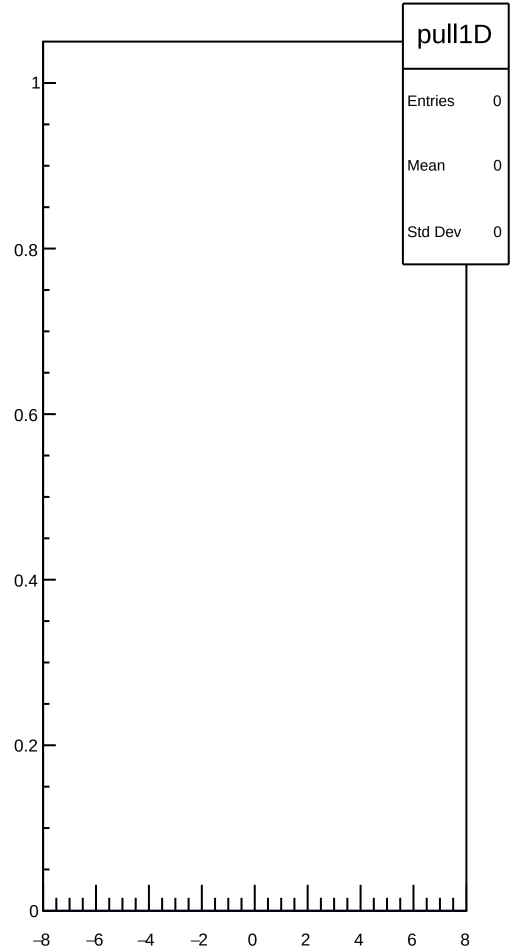
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
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–6
–4
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4
6
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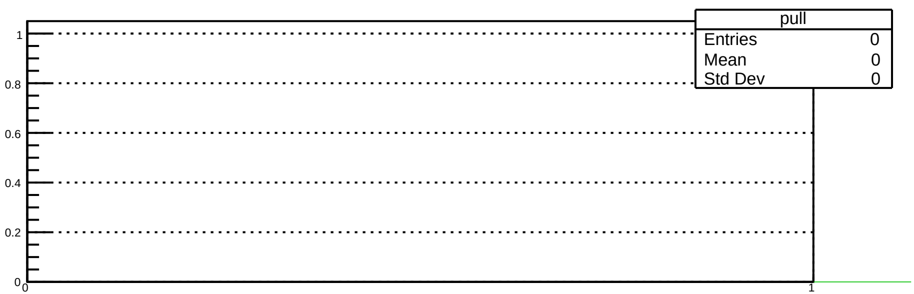
pull
Entries 0
Mean 0
Std Dev 0
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0.4
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1
0
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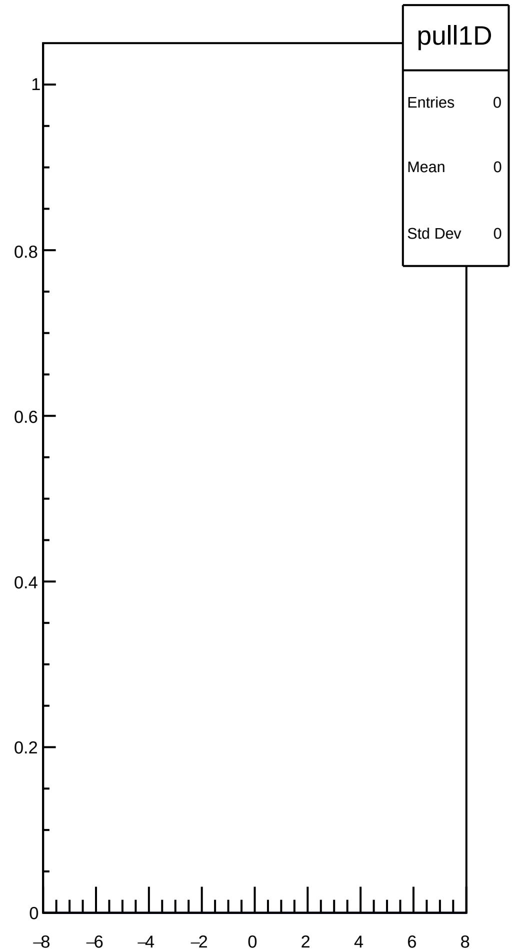
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
1
–8
–6
–4
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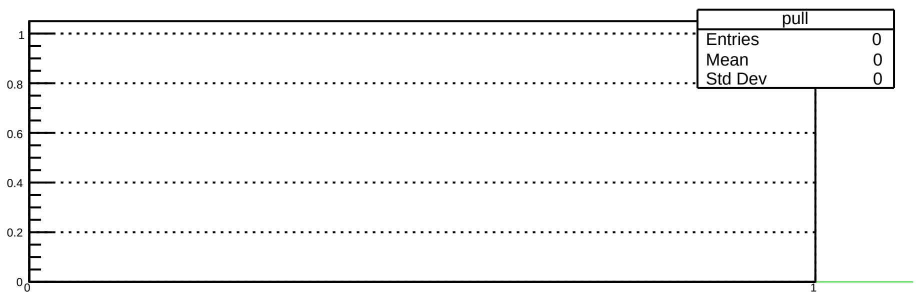
0
2
4
6
8


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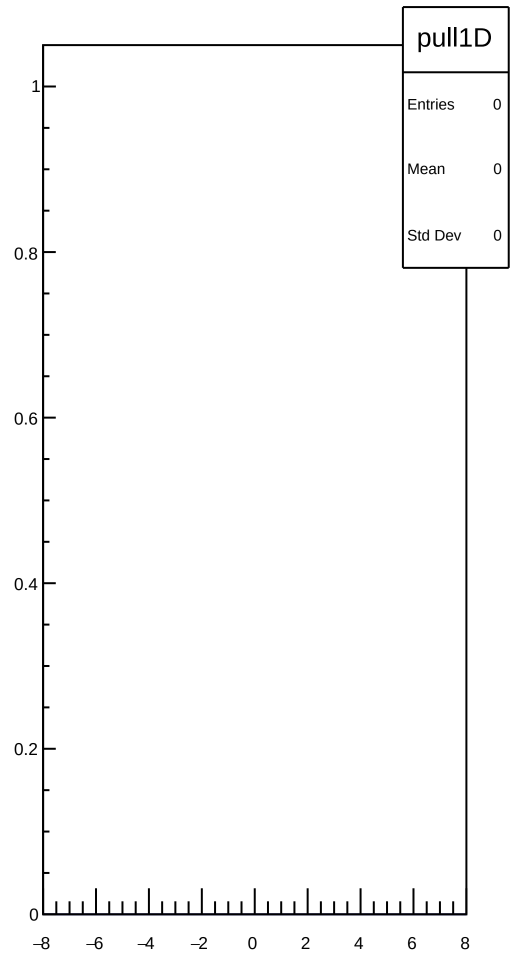
pull1D
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Mean 0
Std Dev 0
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0.4
0.6
0.8
1
–8
–6
–4
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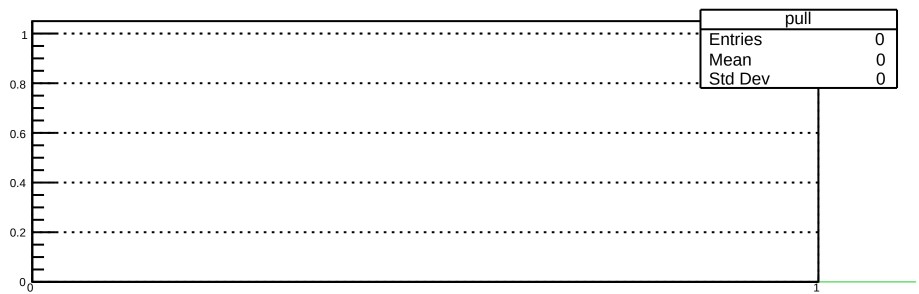
2
4
6
8


pull
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Mean 0
Std Dev 0
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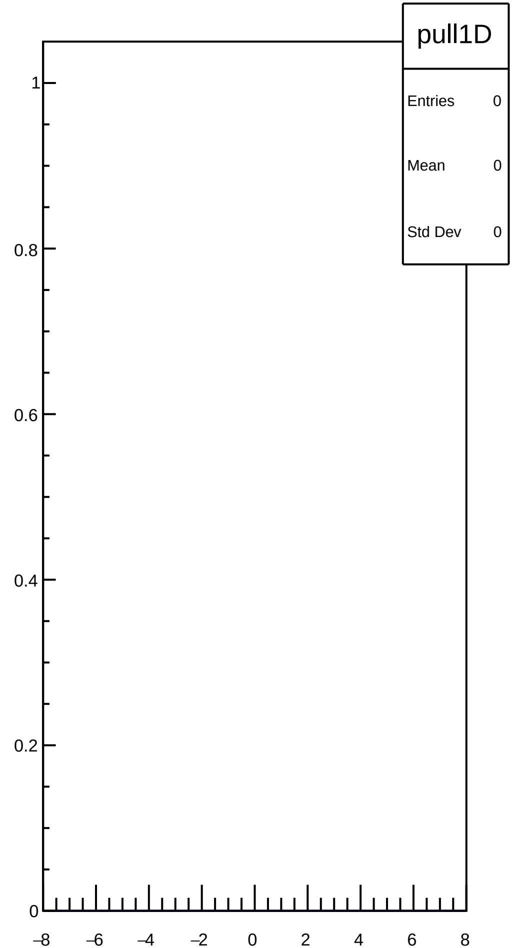
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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6
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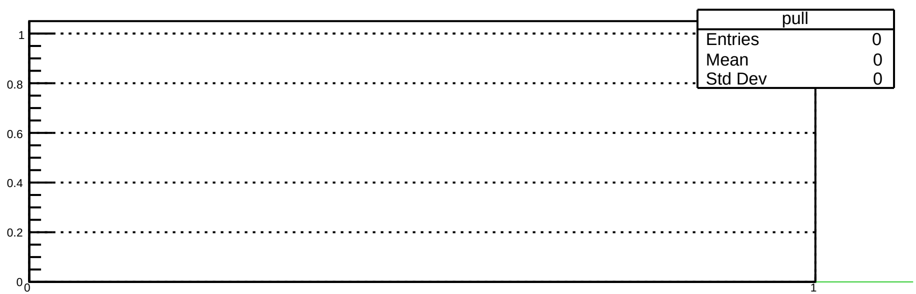
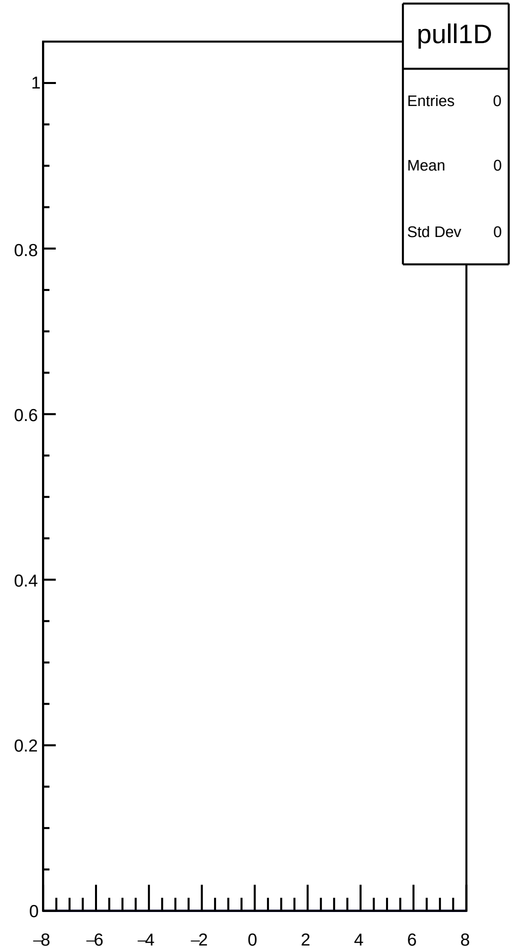


pull
Entries 0
Mean 0
Std Dev 0



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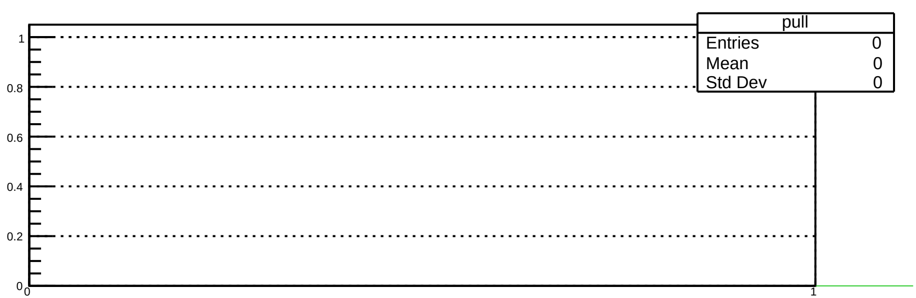

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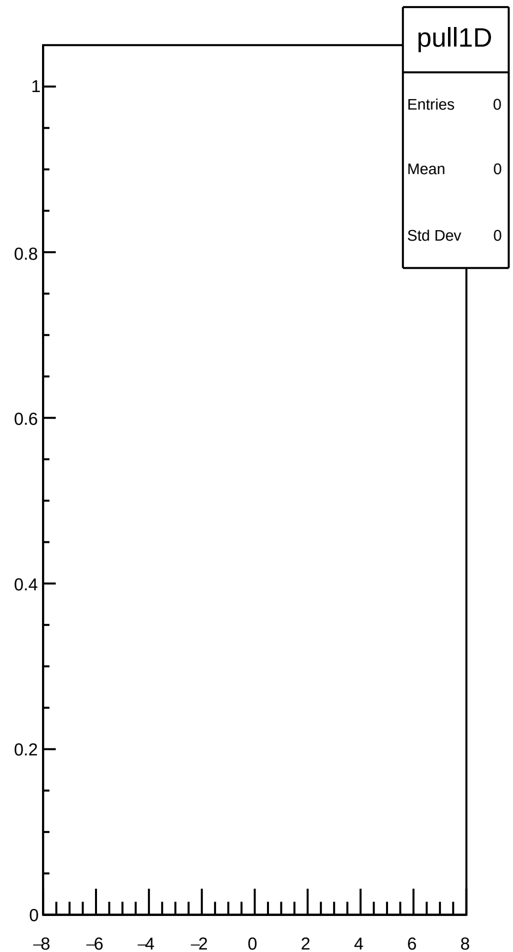

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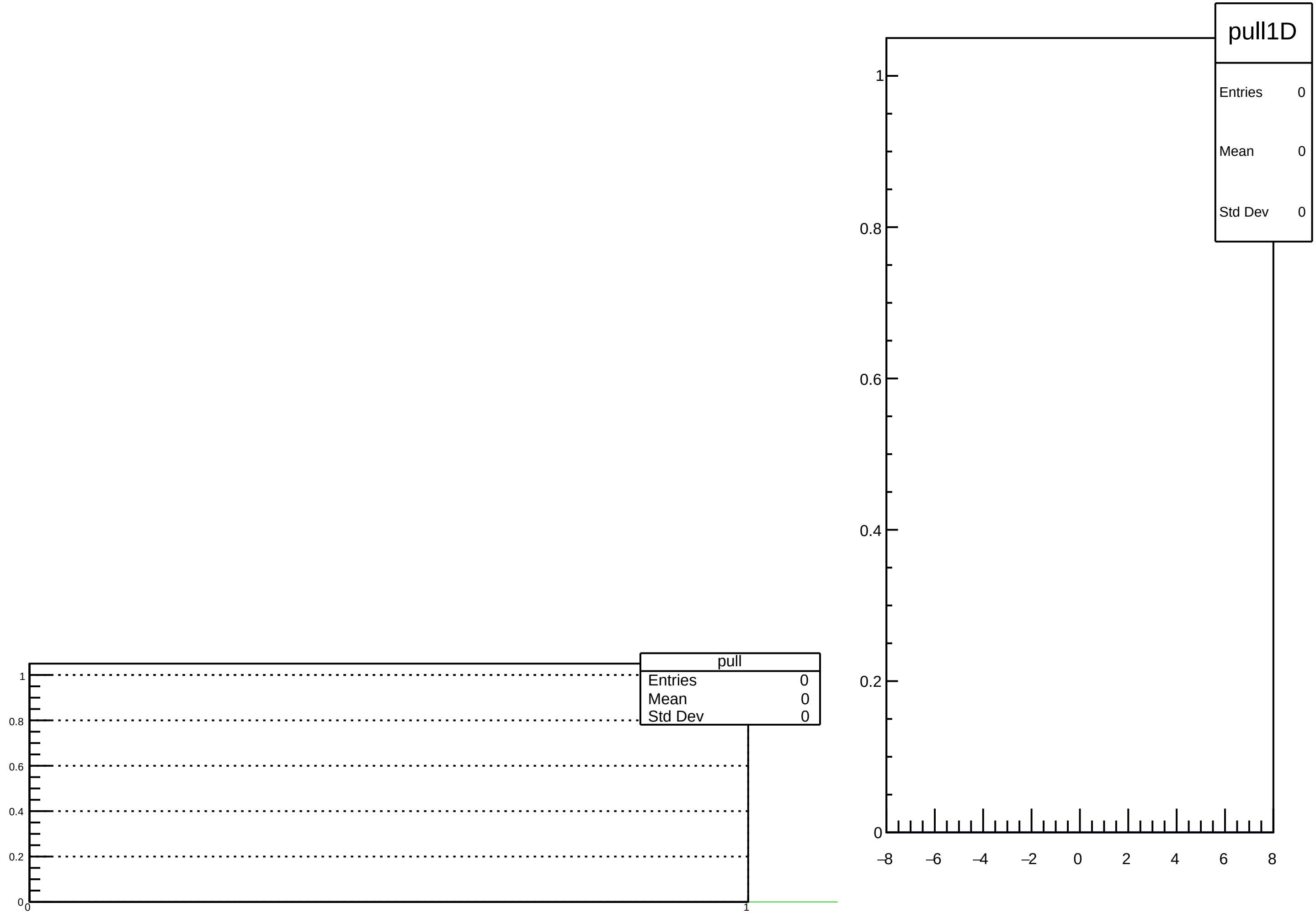
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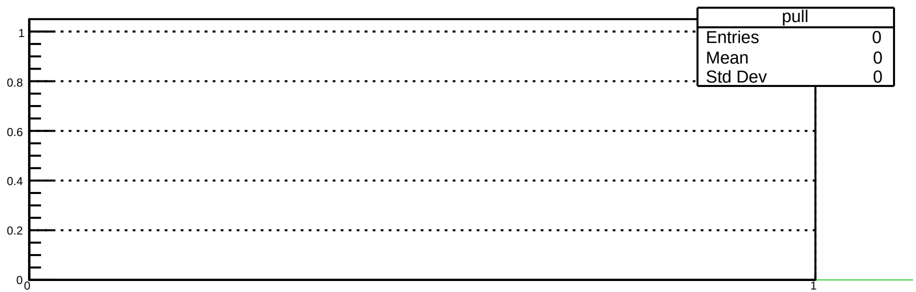

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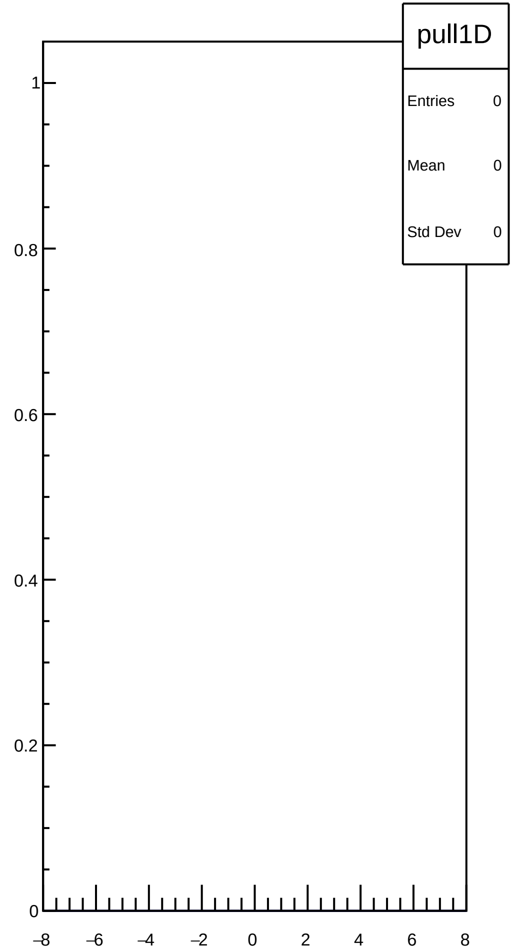

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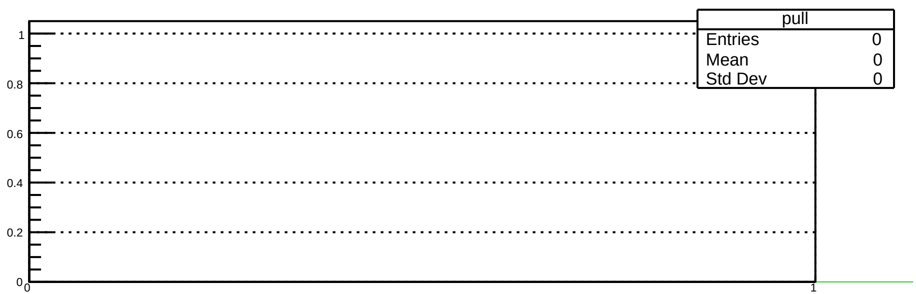
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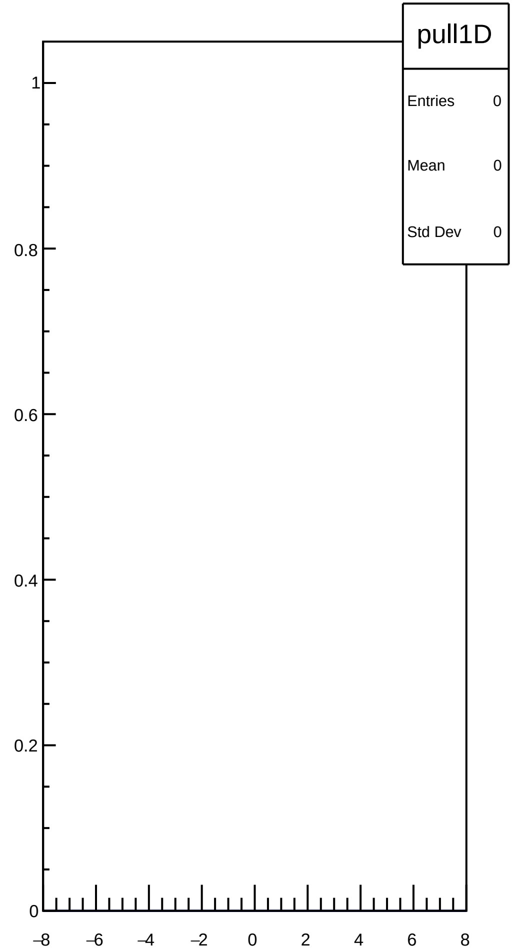
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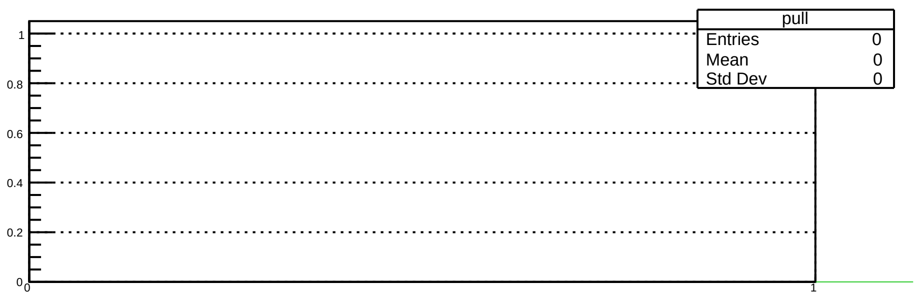
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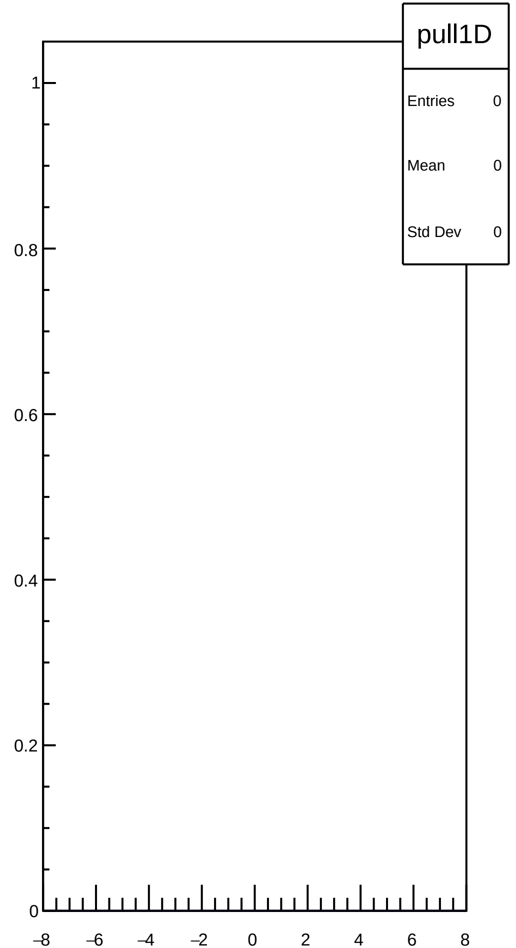
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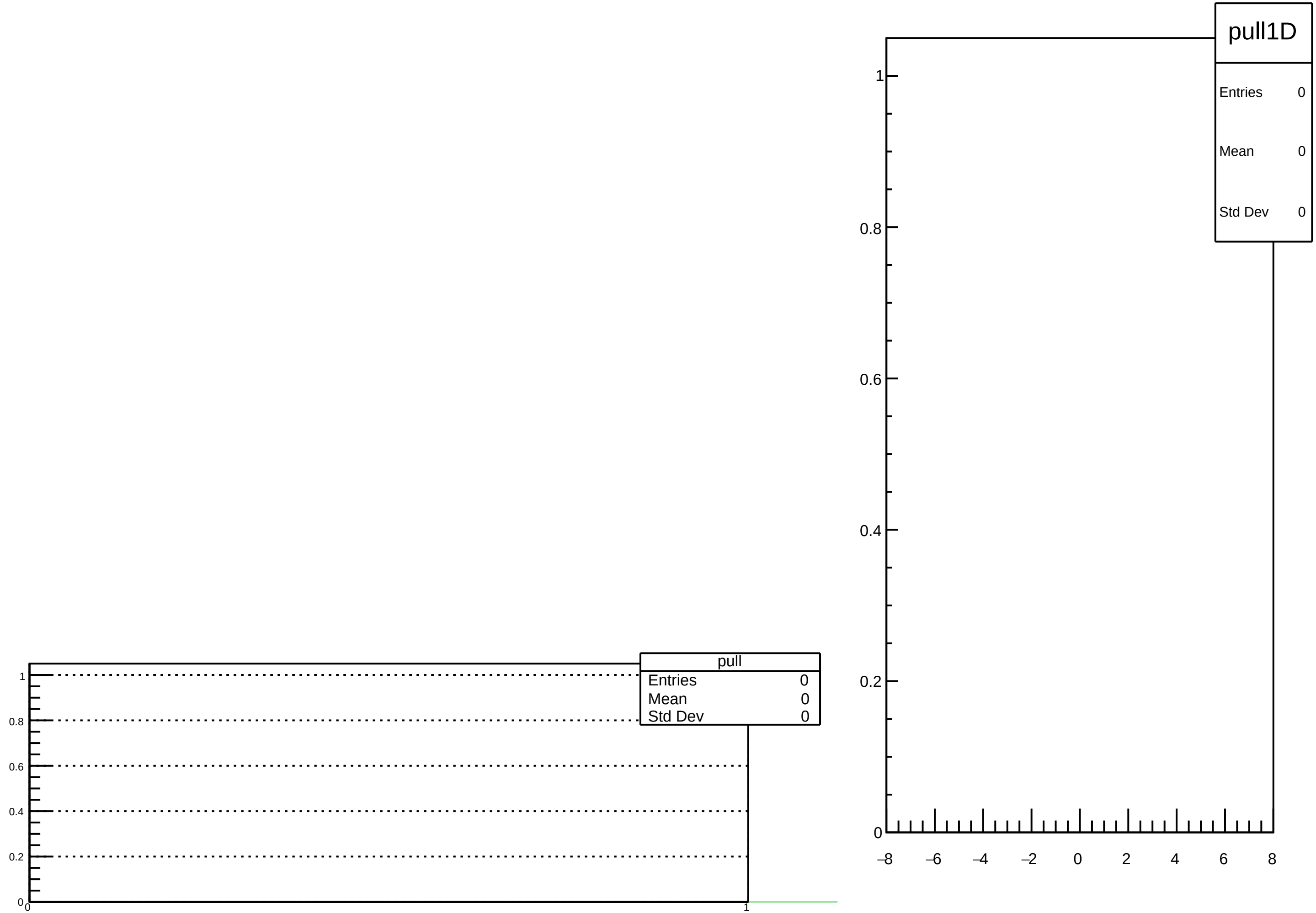

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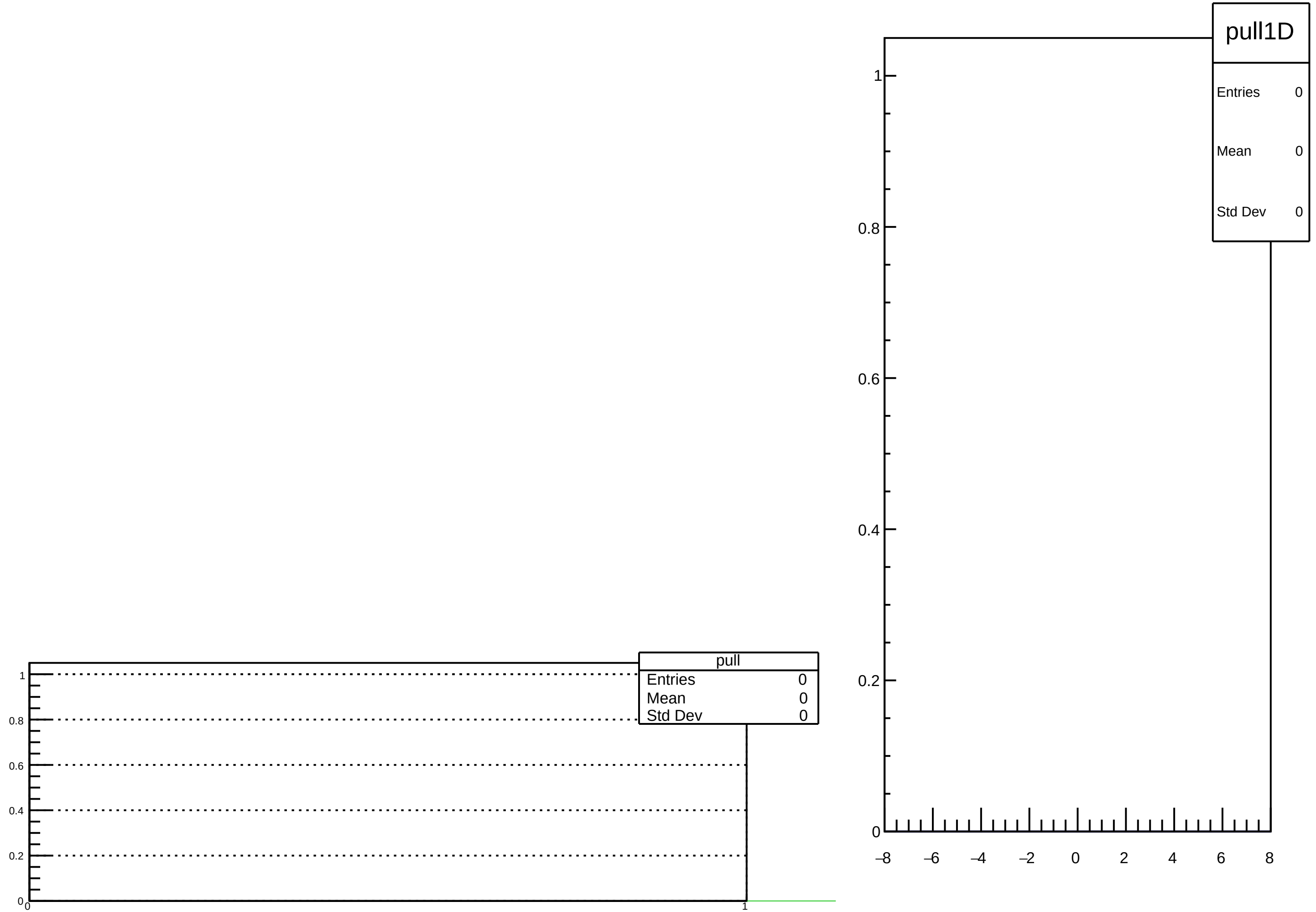
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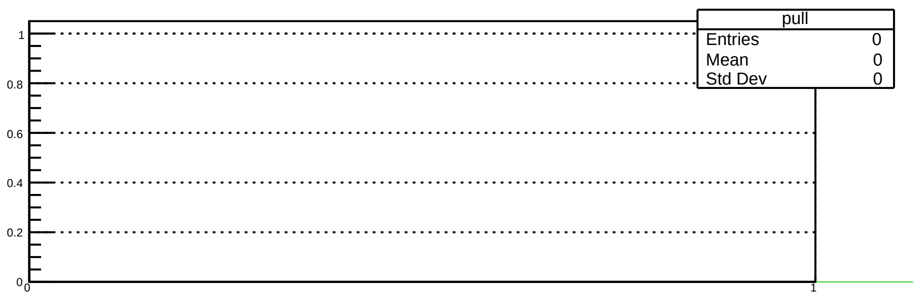
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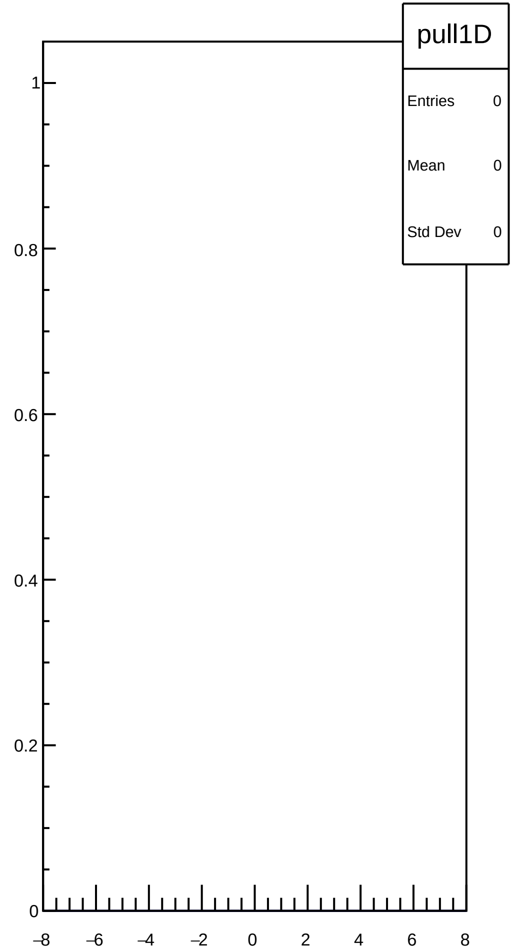
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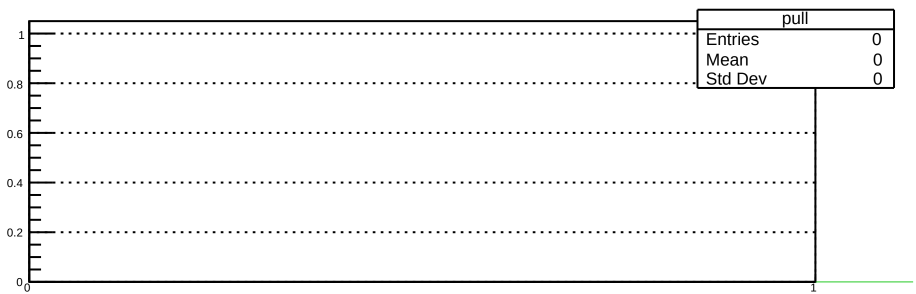
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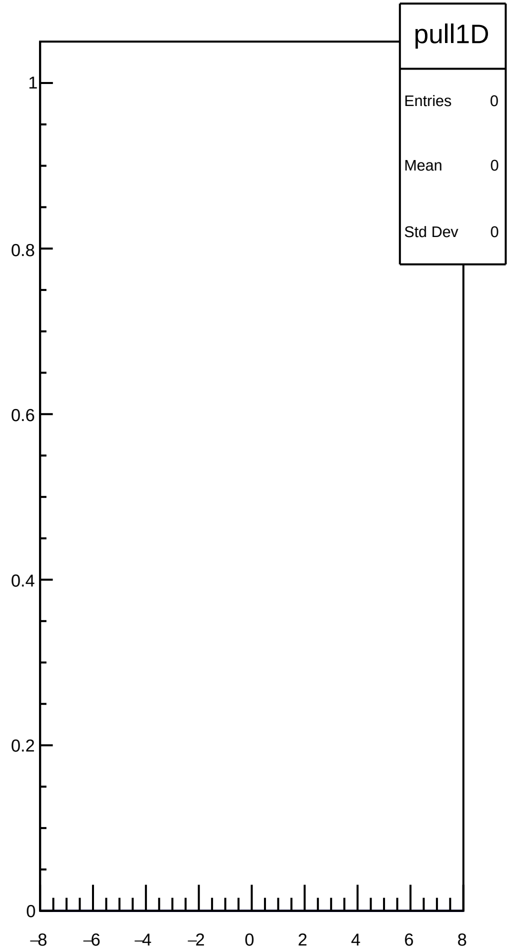
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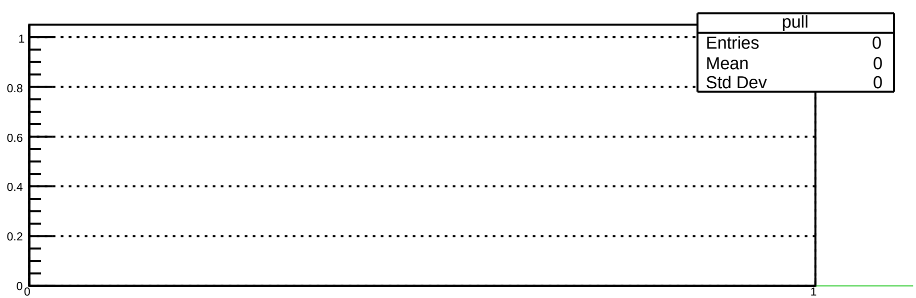
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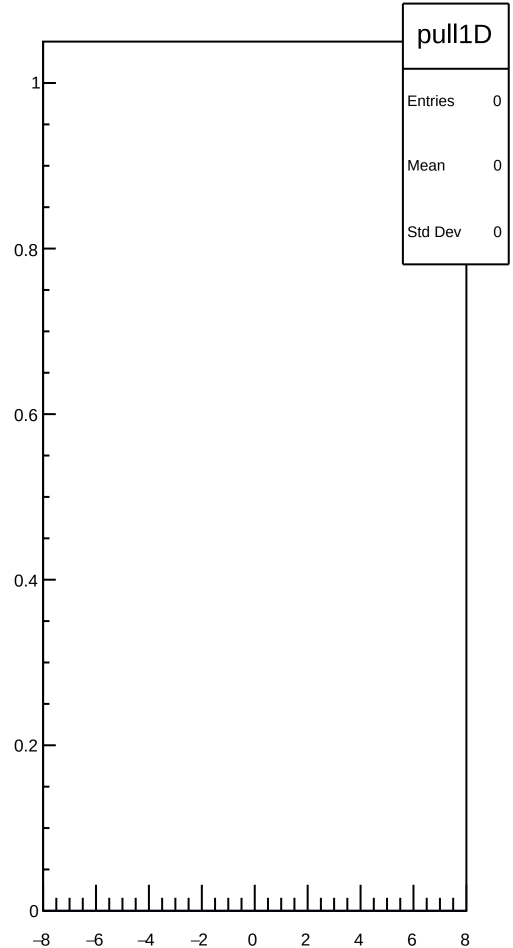
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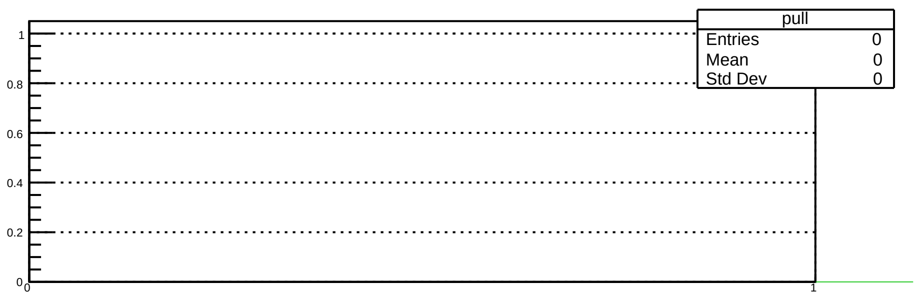
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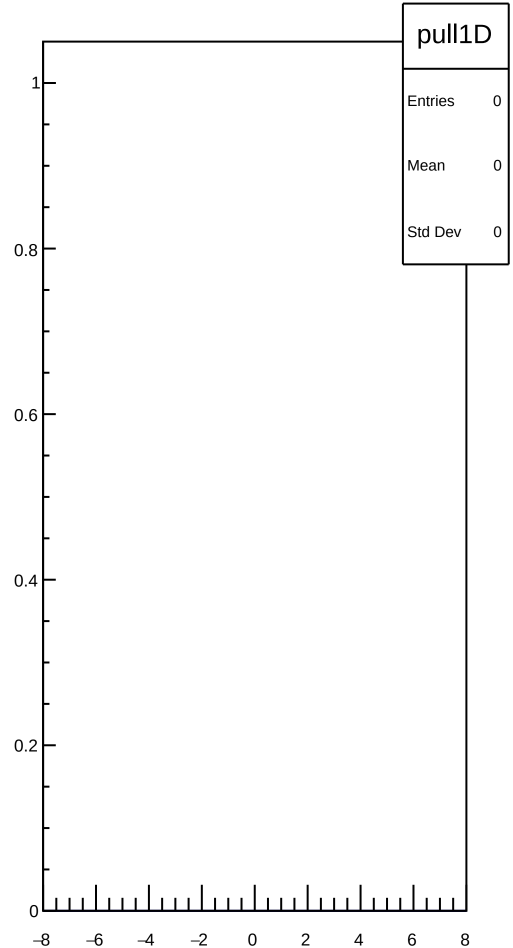
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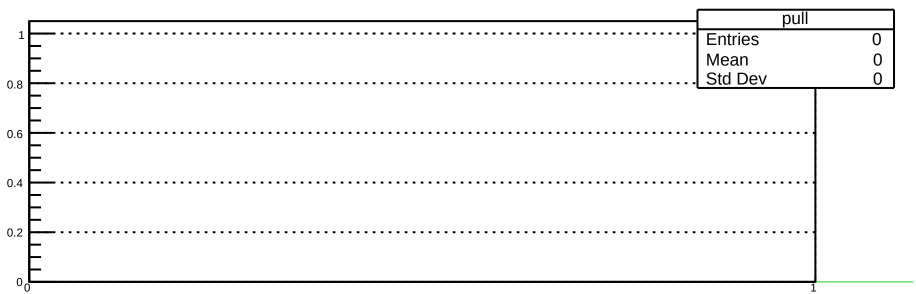

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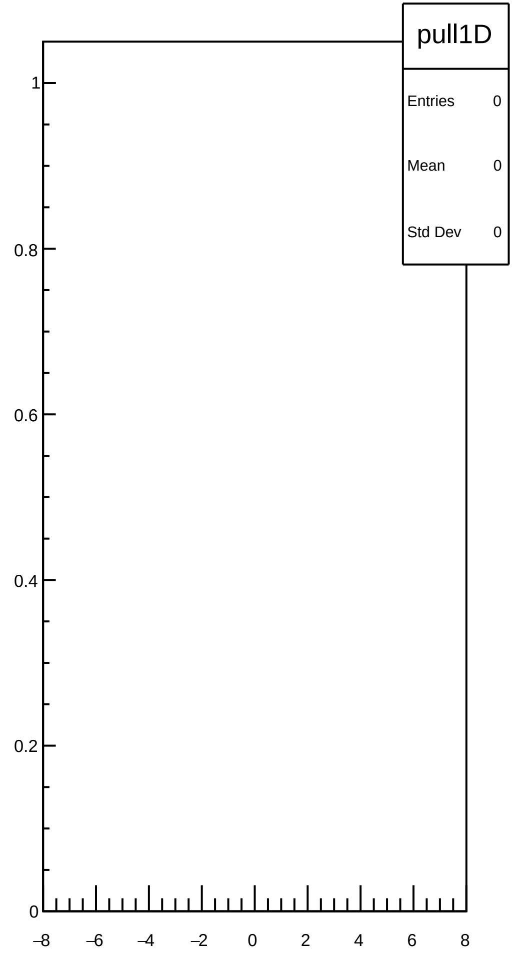

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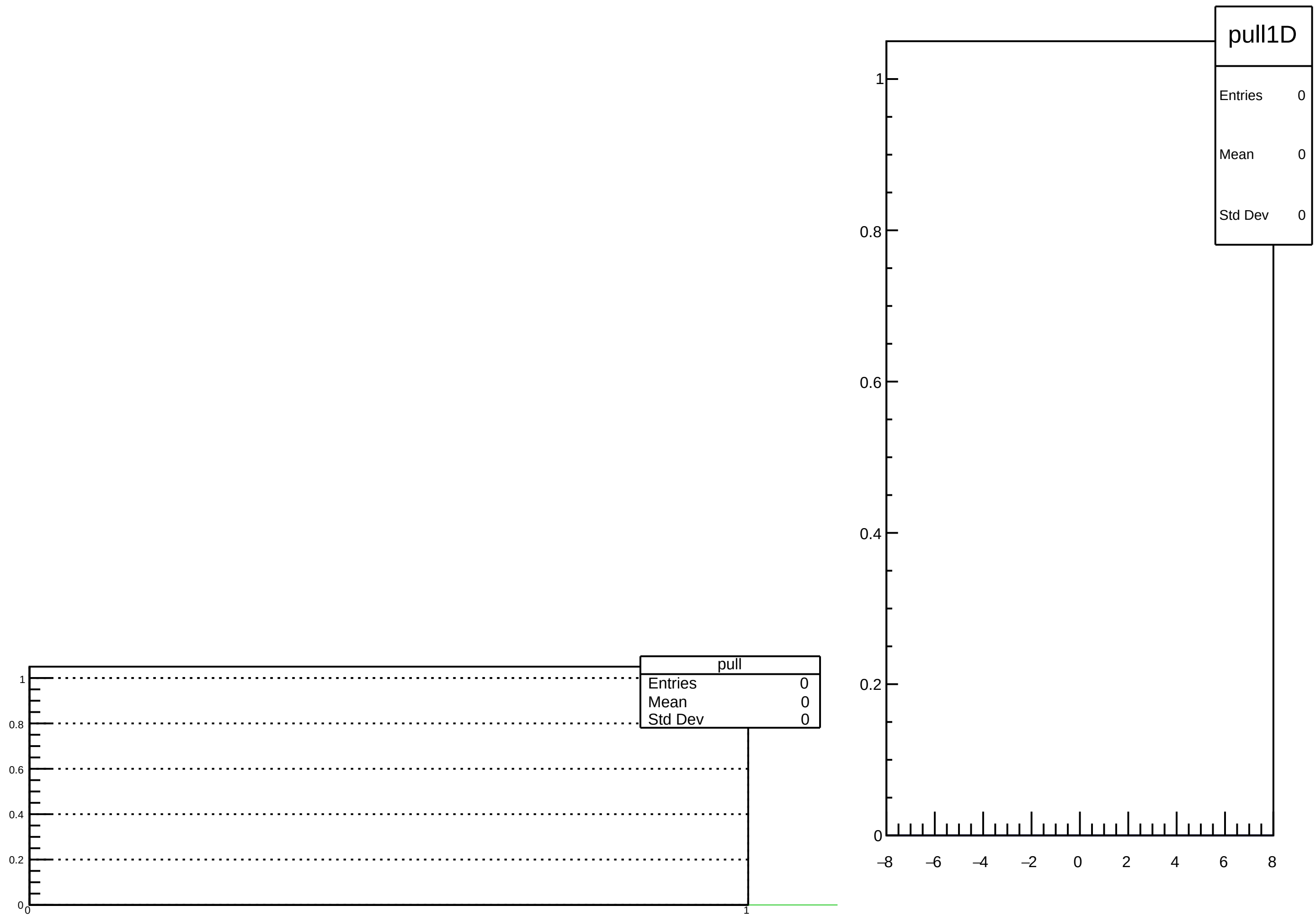

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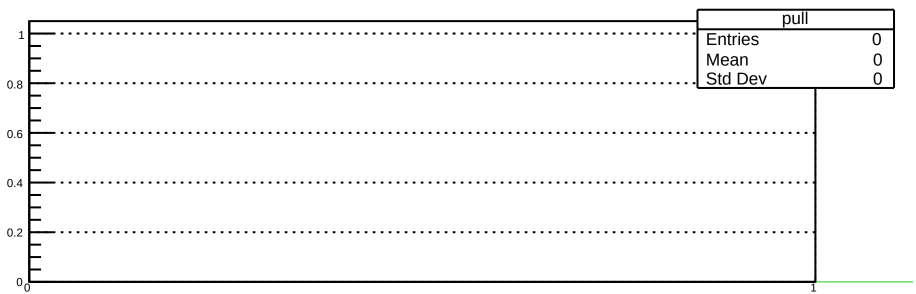

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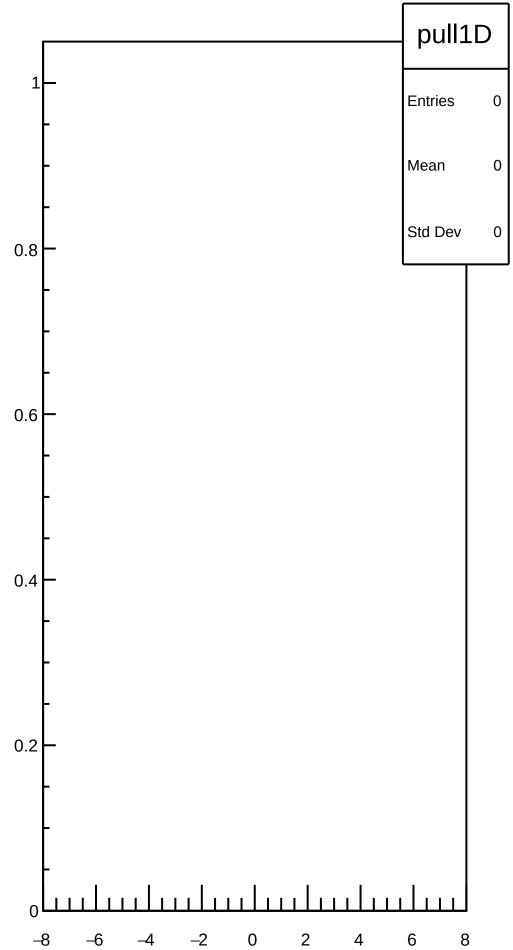

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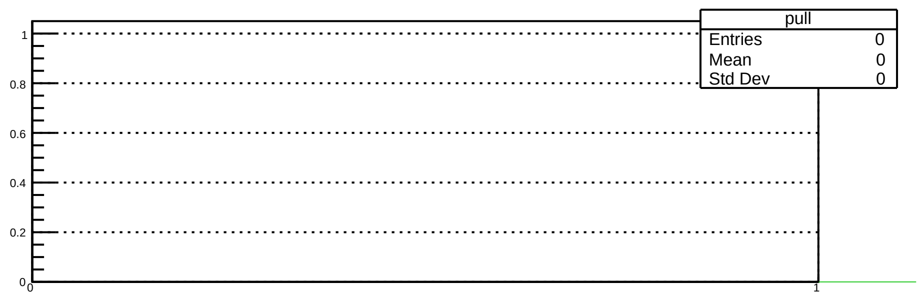

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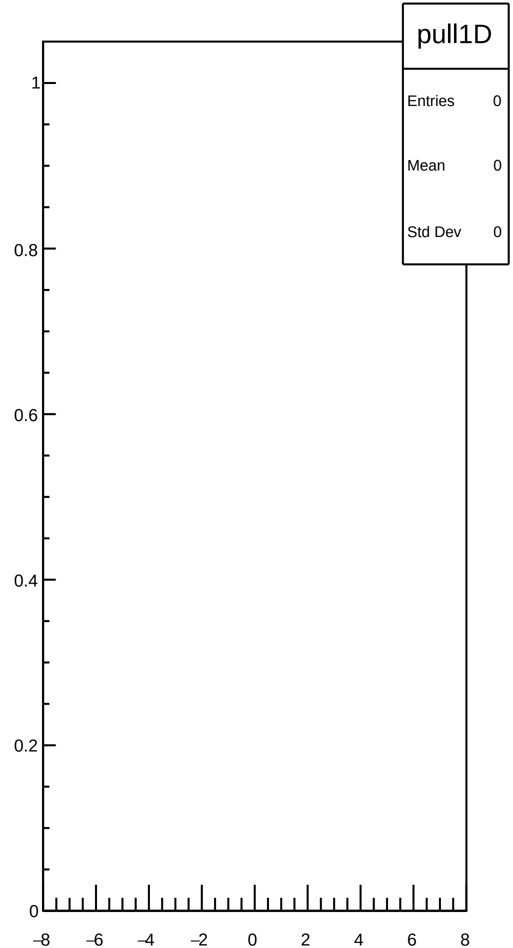

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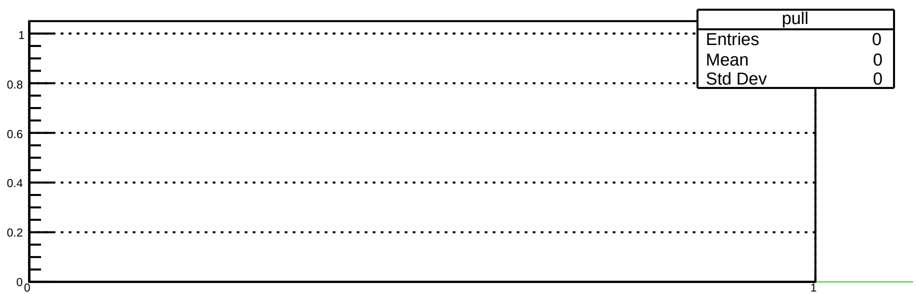
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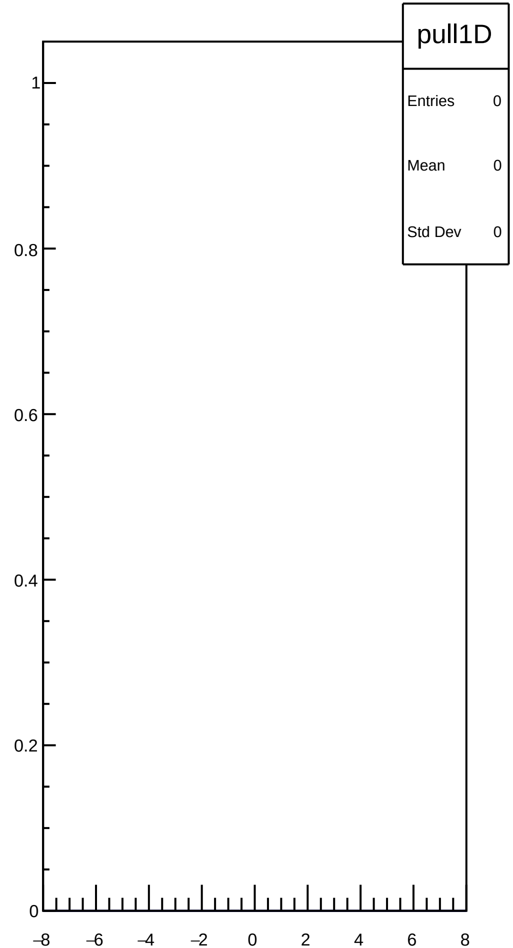
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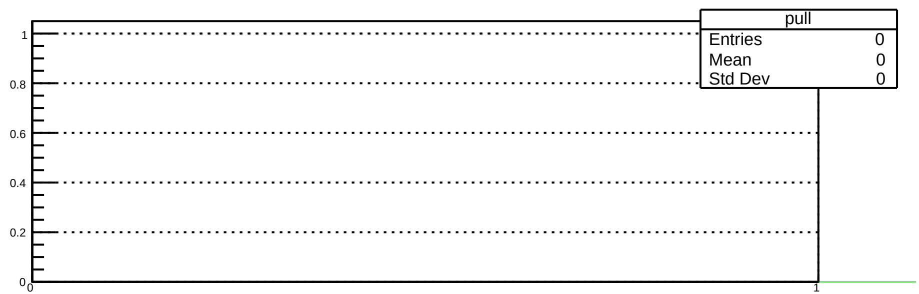
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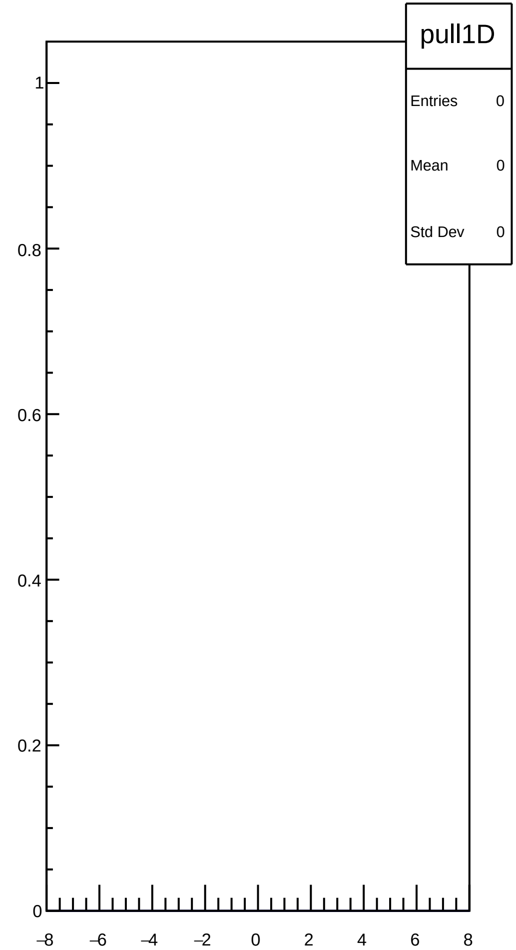
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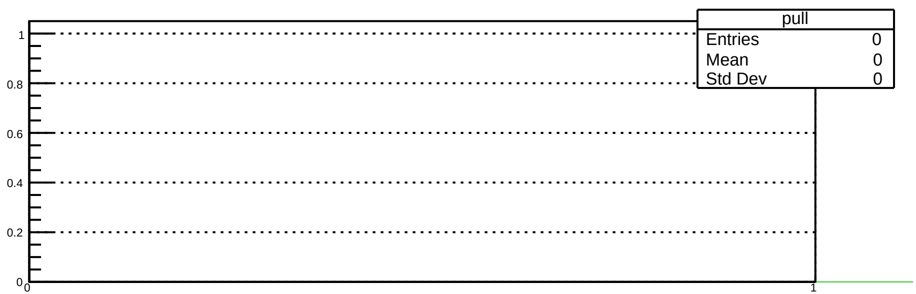
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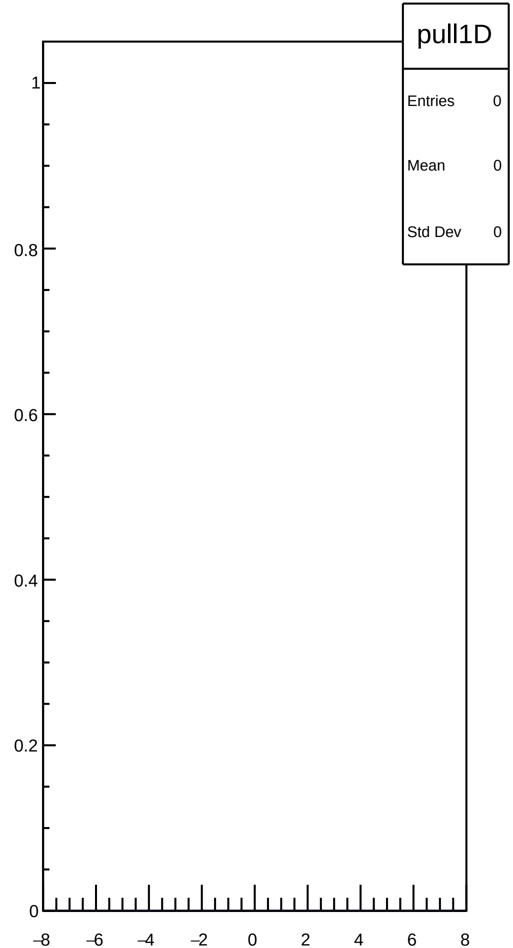
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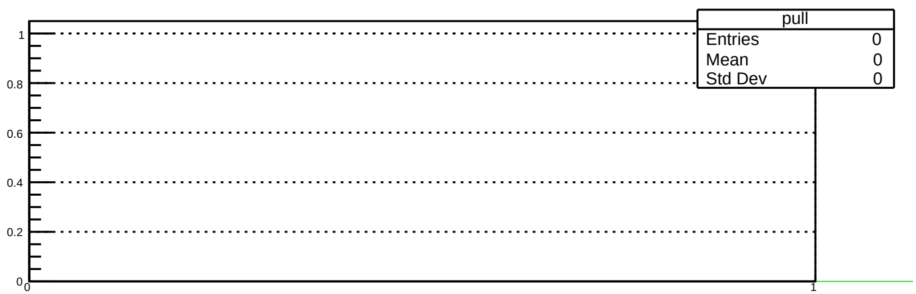

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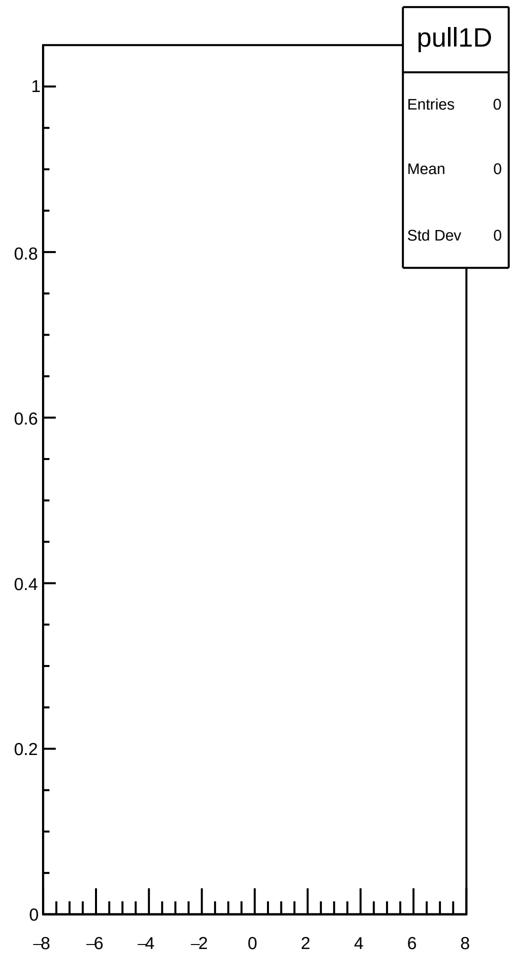

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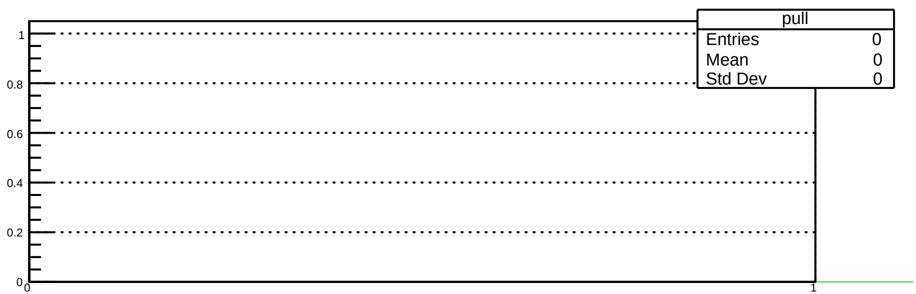
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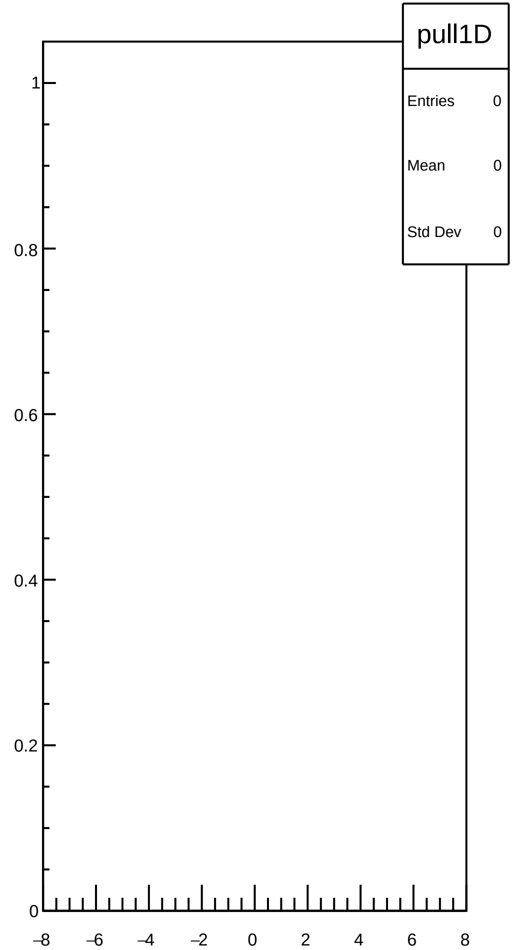
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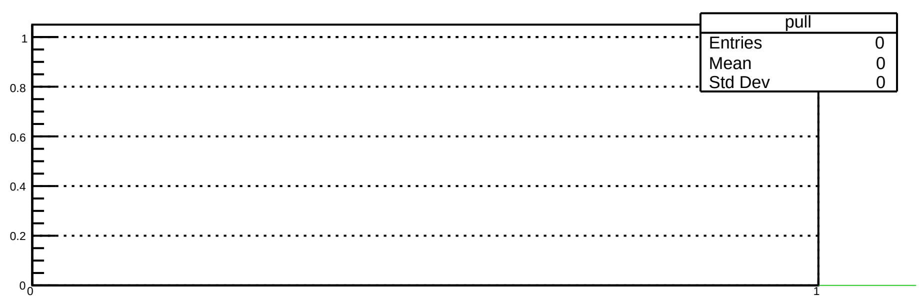

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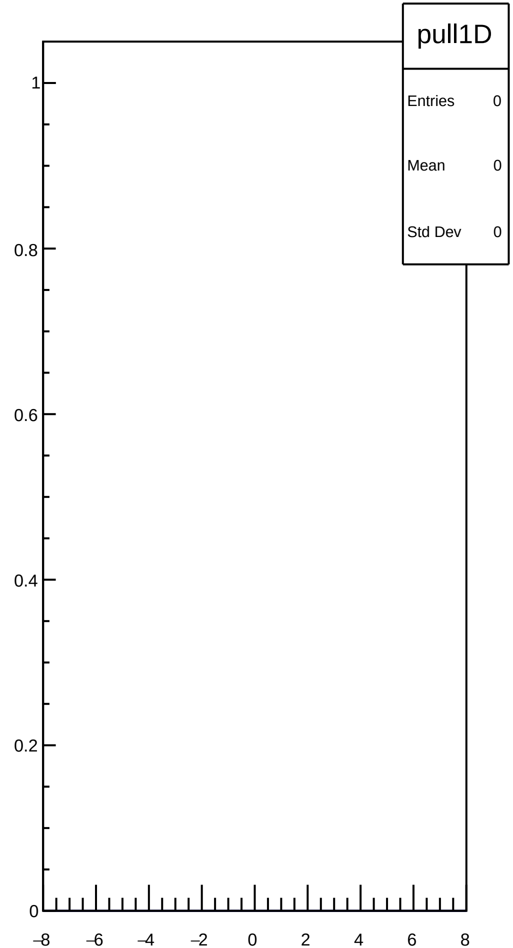

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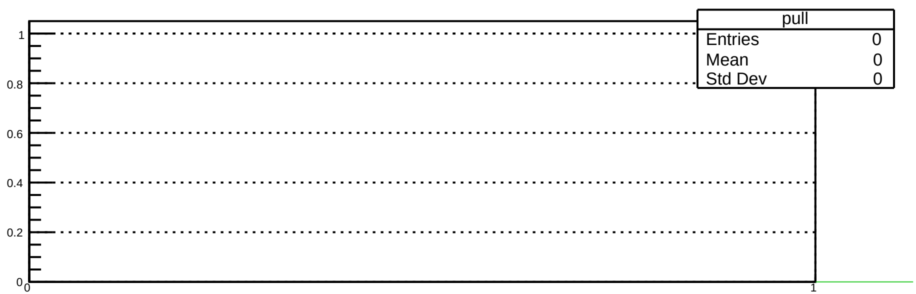

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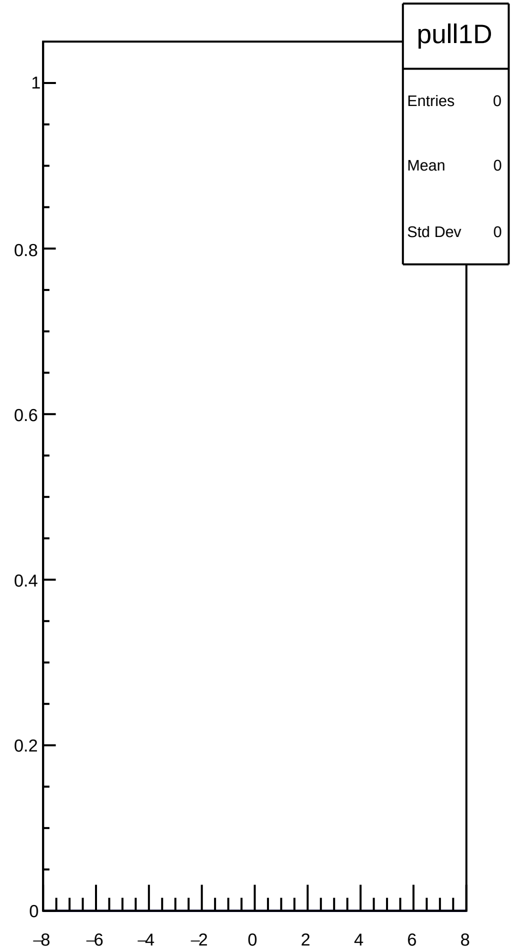

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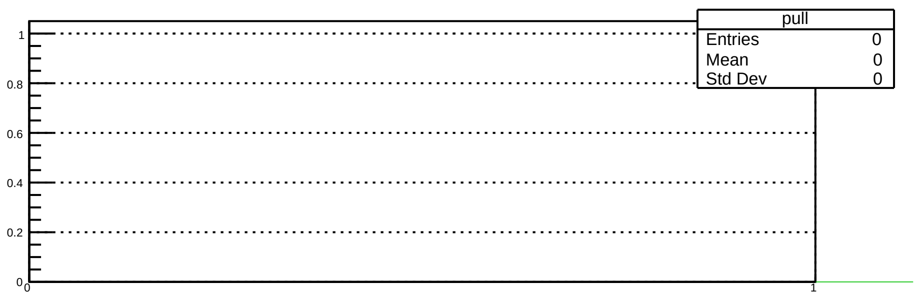

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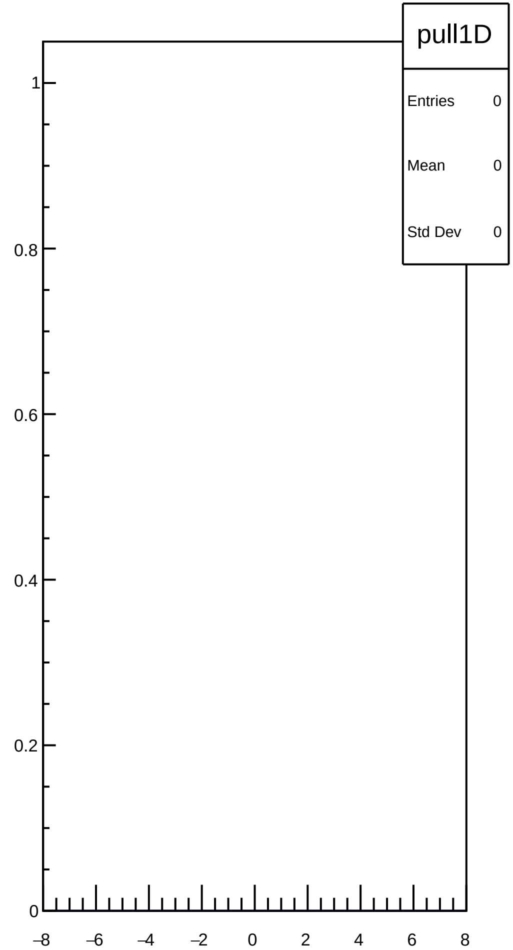

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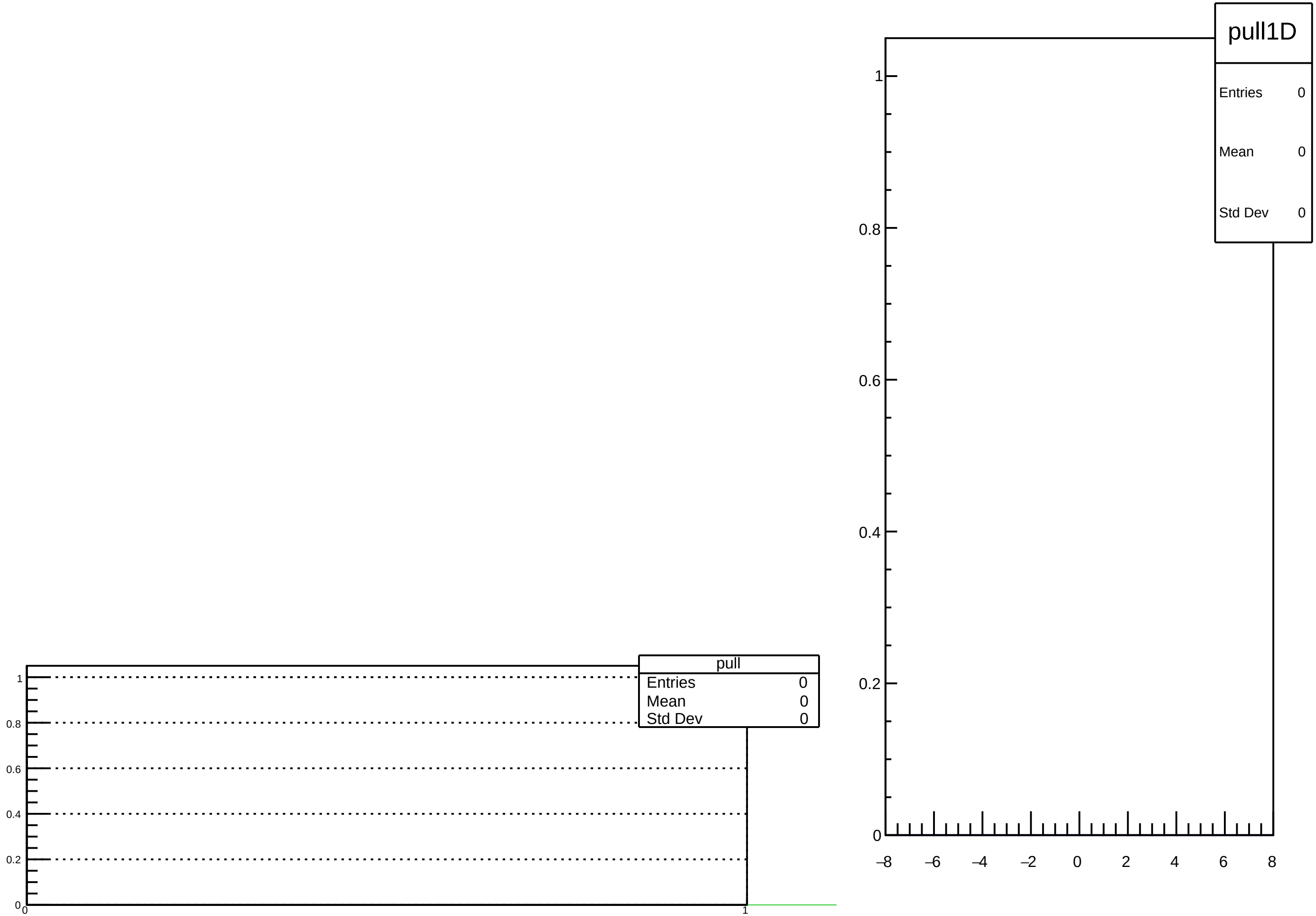
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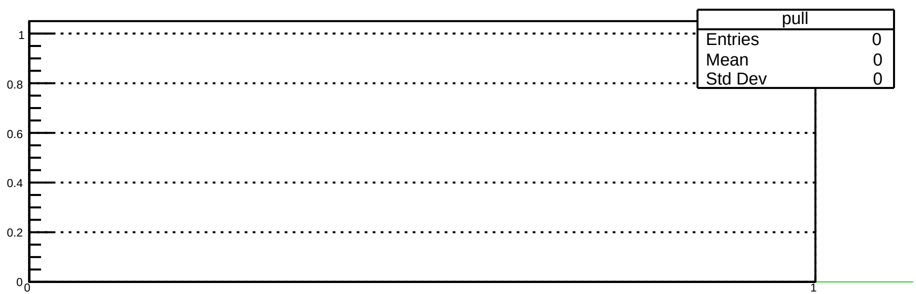

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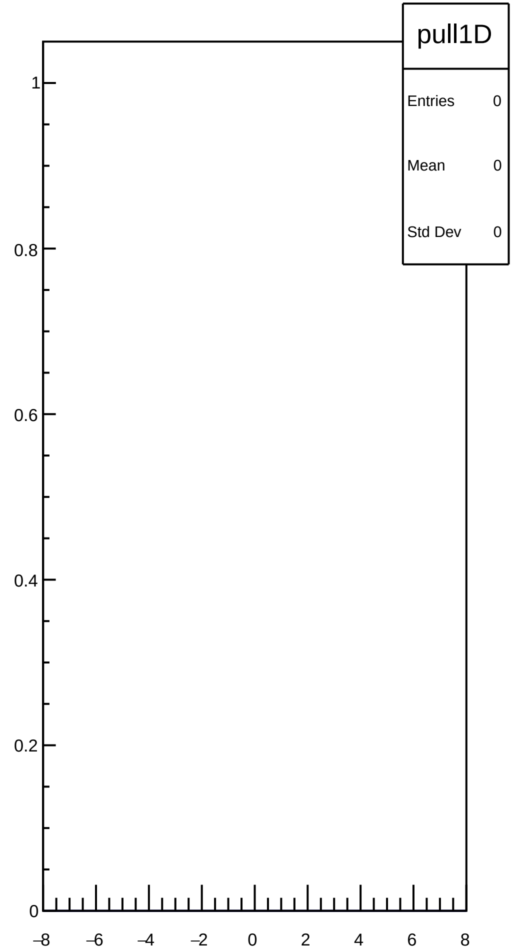

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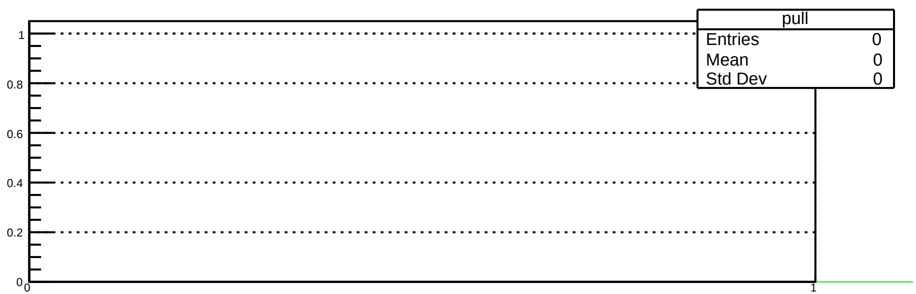
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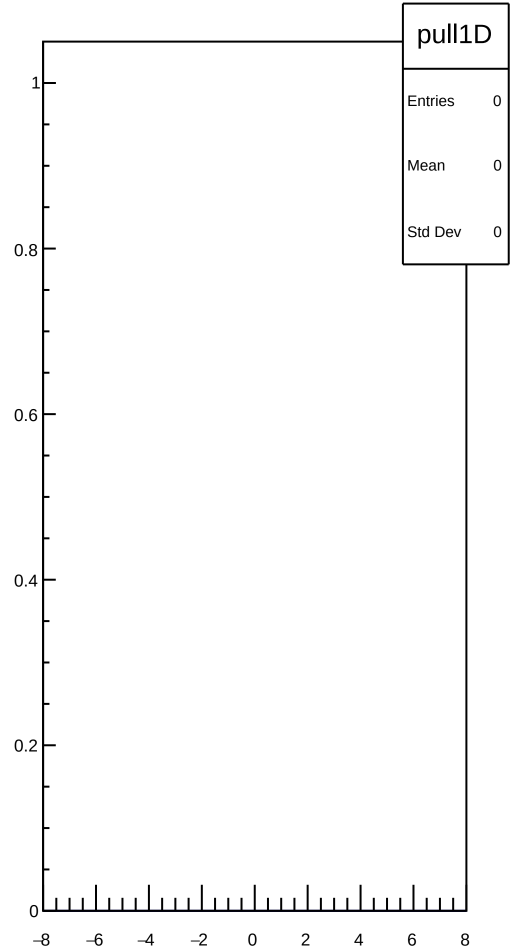
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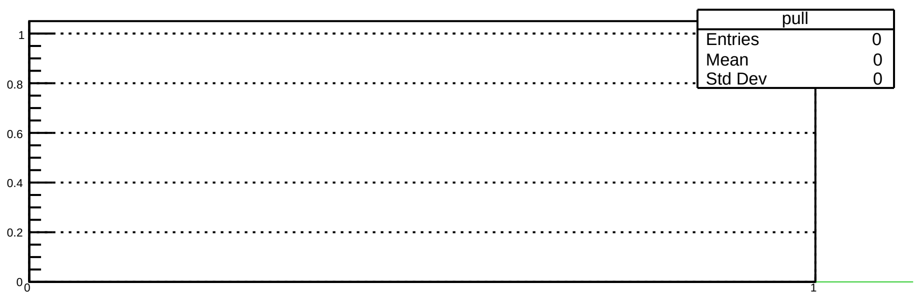
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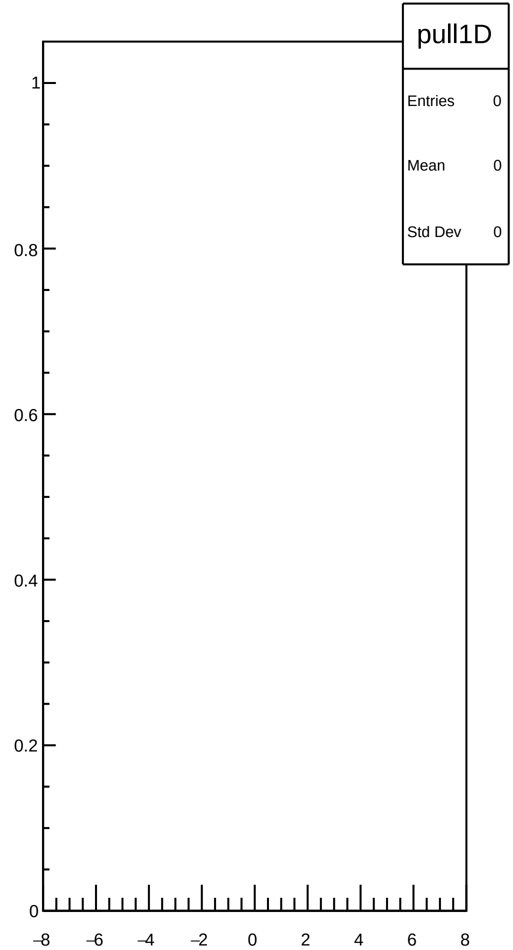
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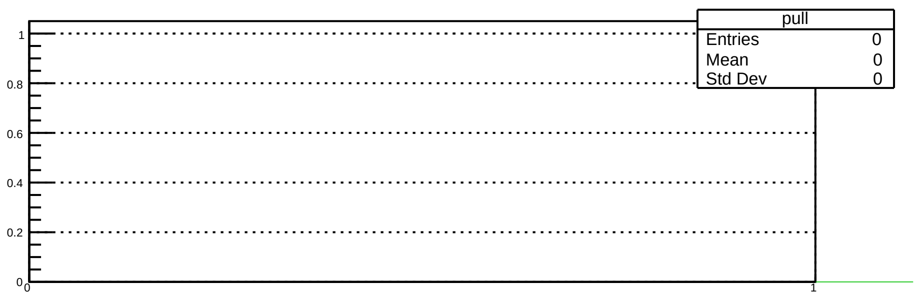
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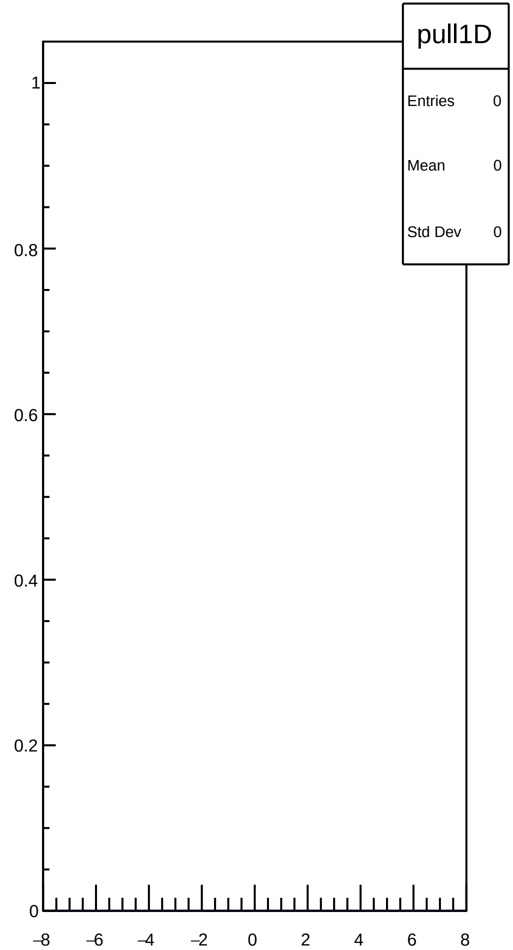
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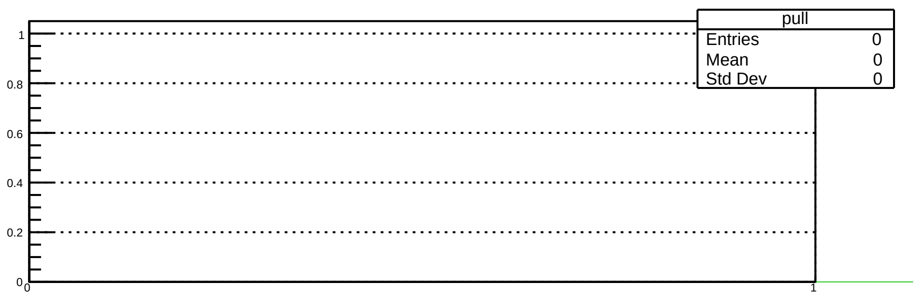
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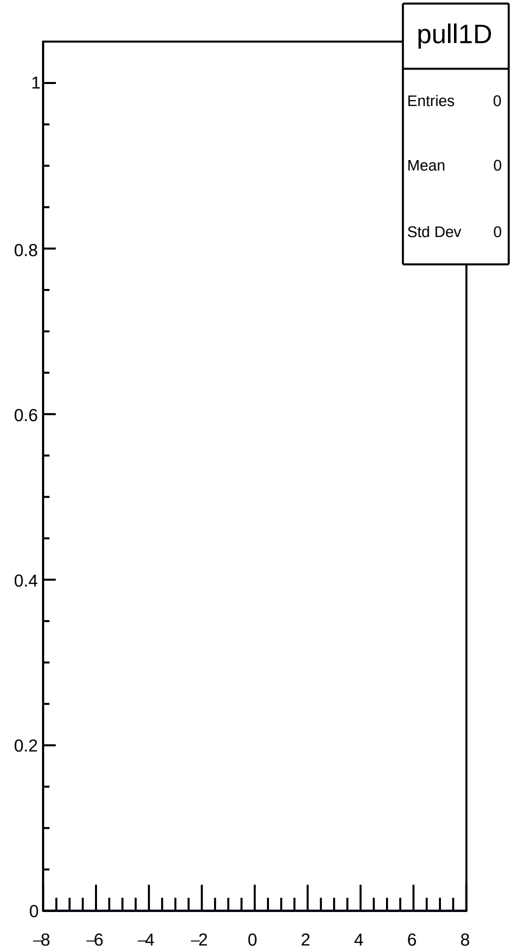
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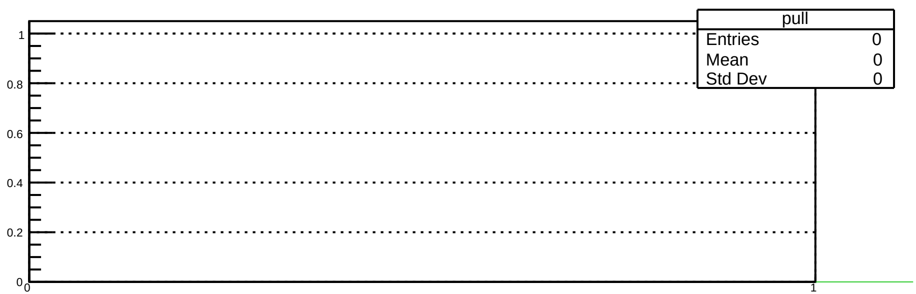
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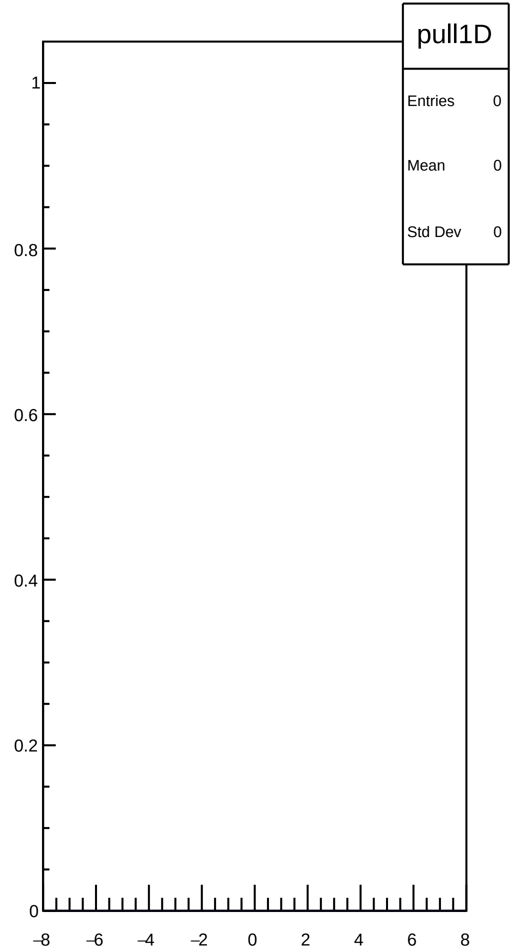
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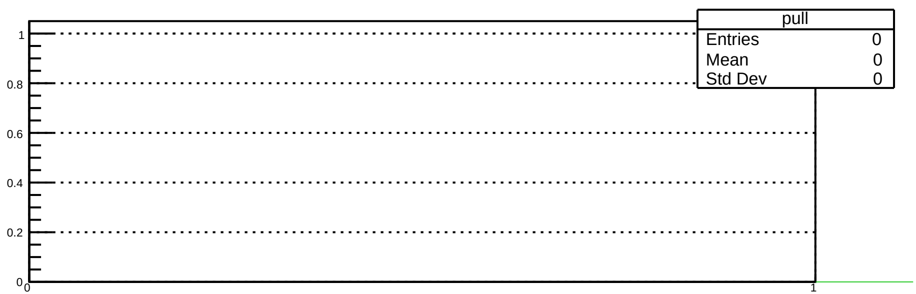
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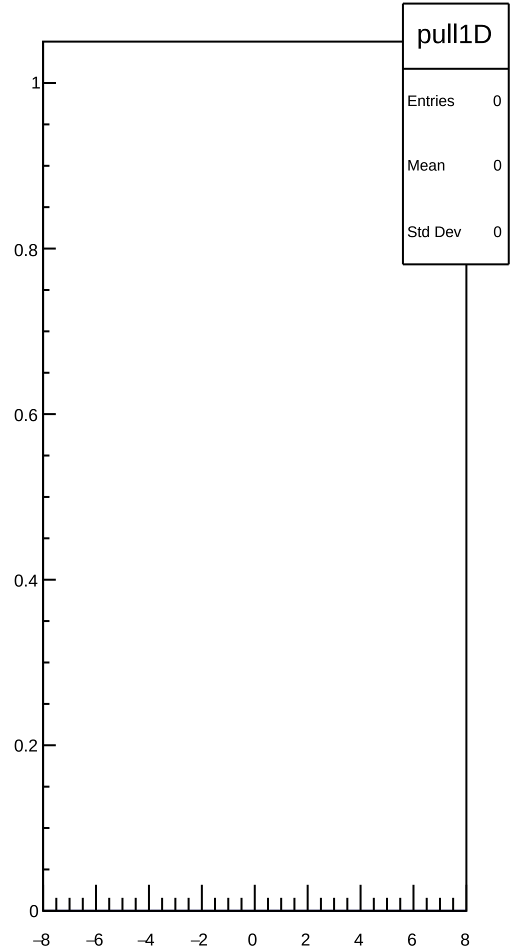
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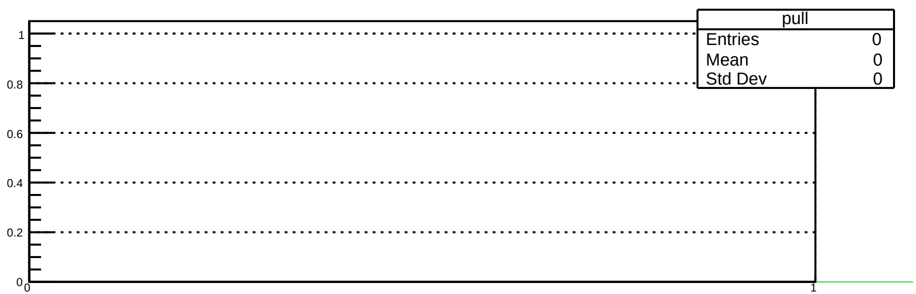

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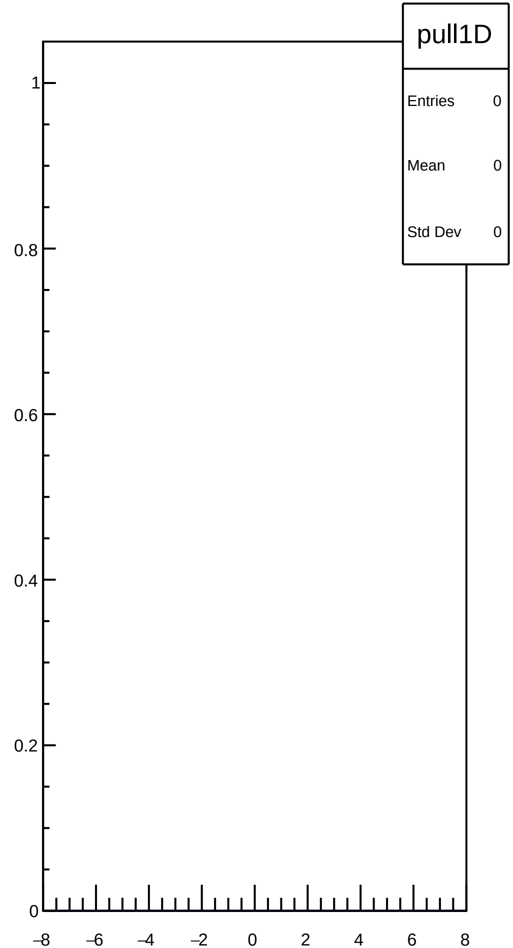

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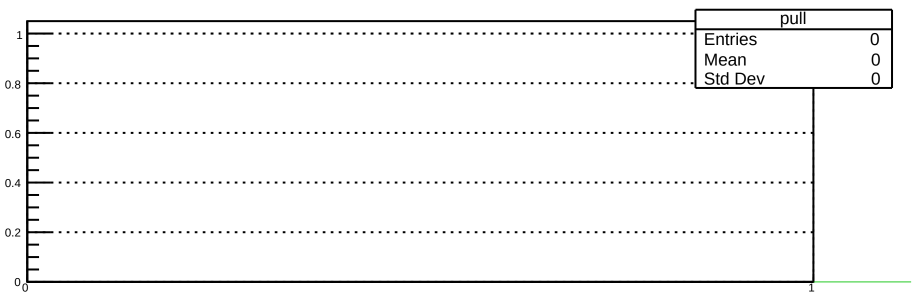

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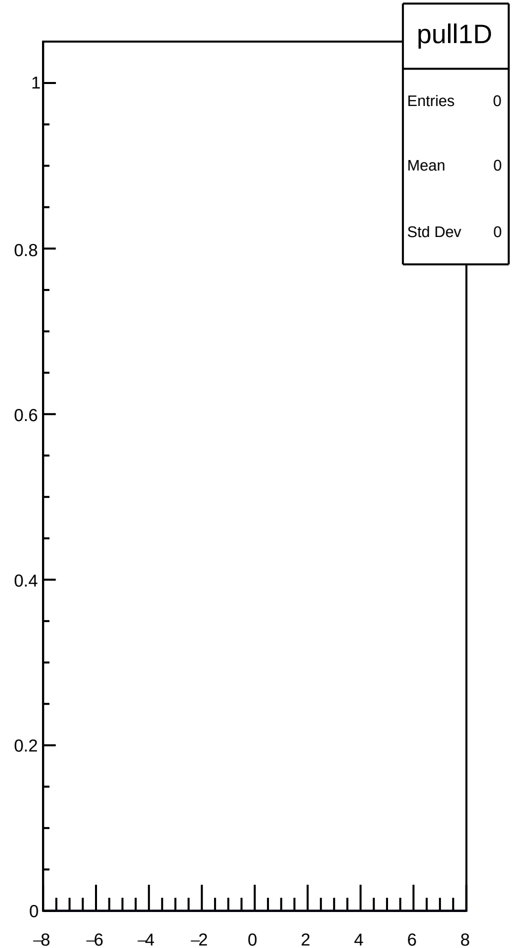

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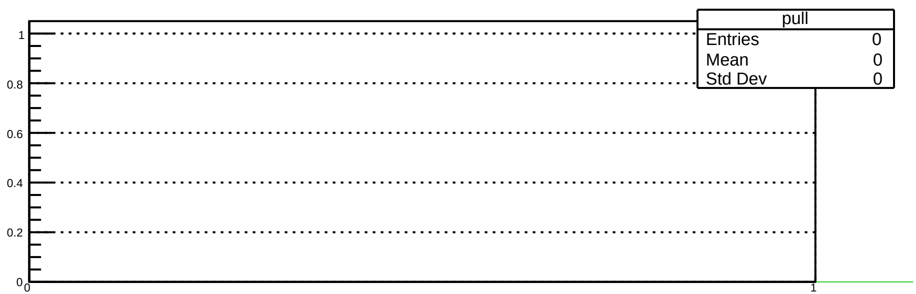
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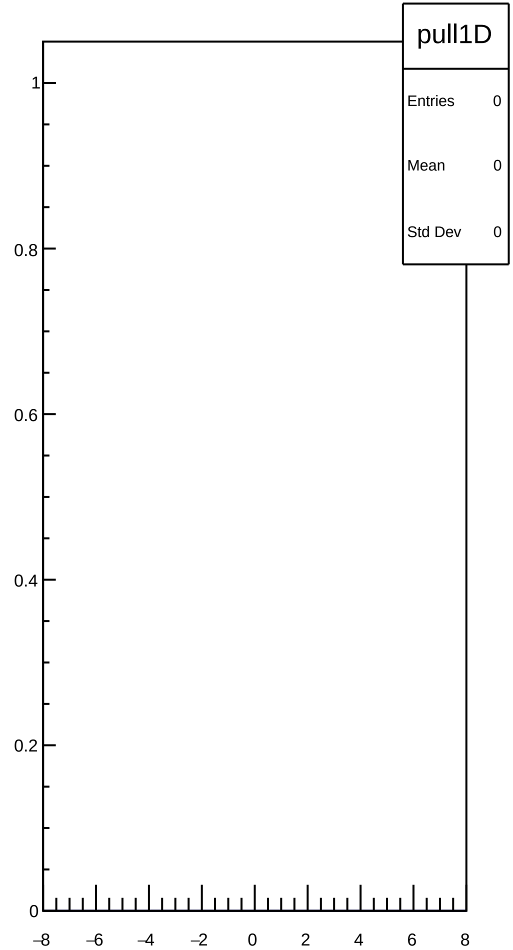
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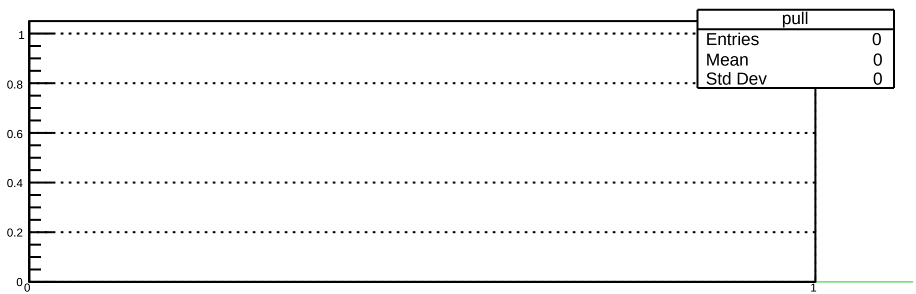
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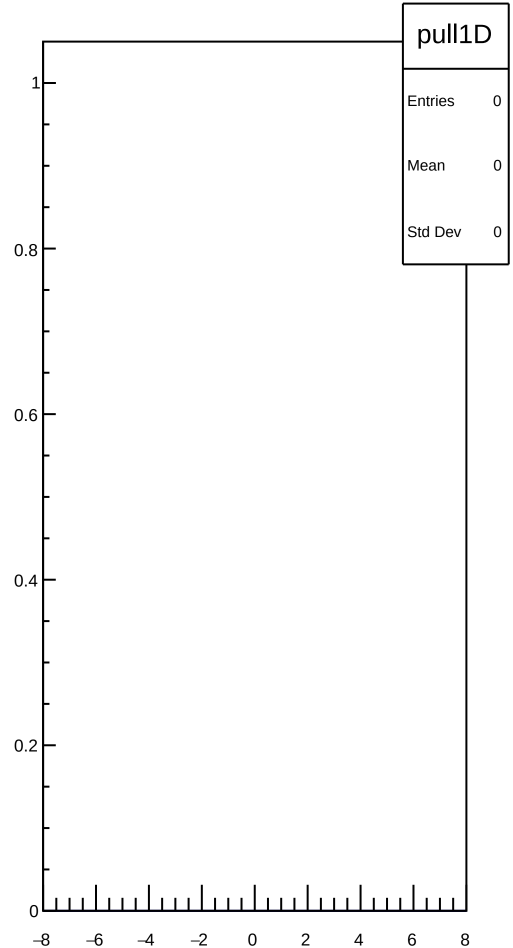
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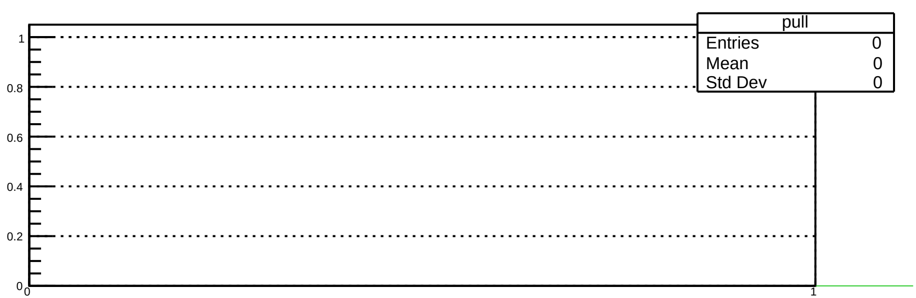
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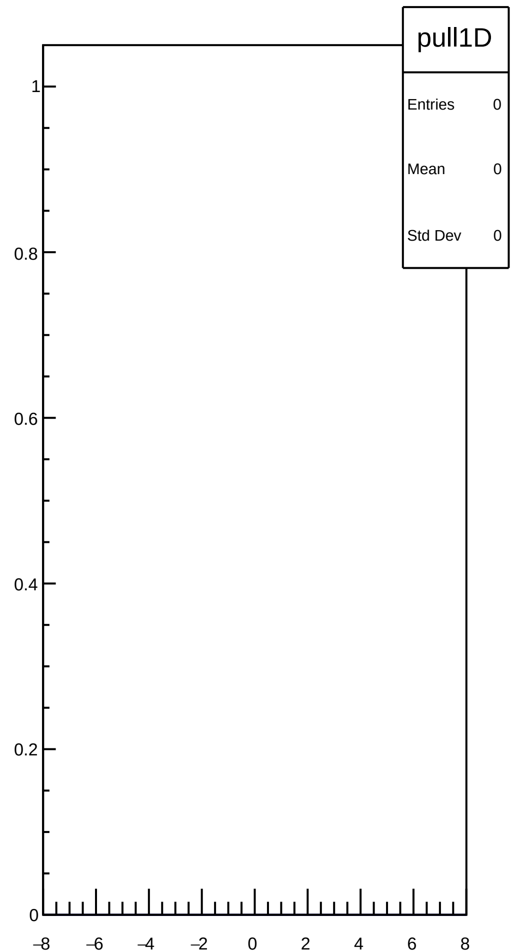
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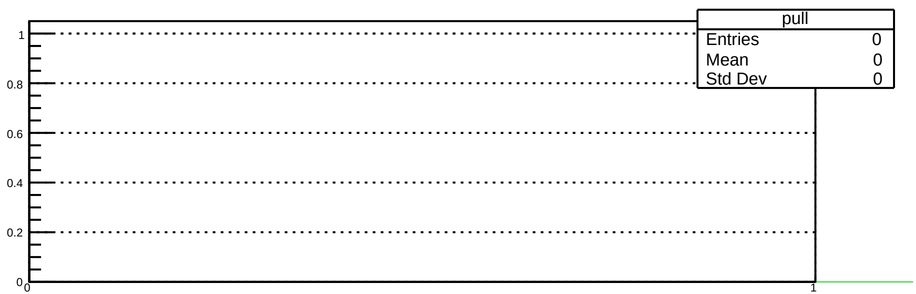

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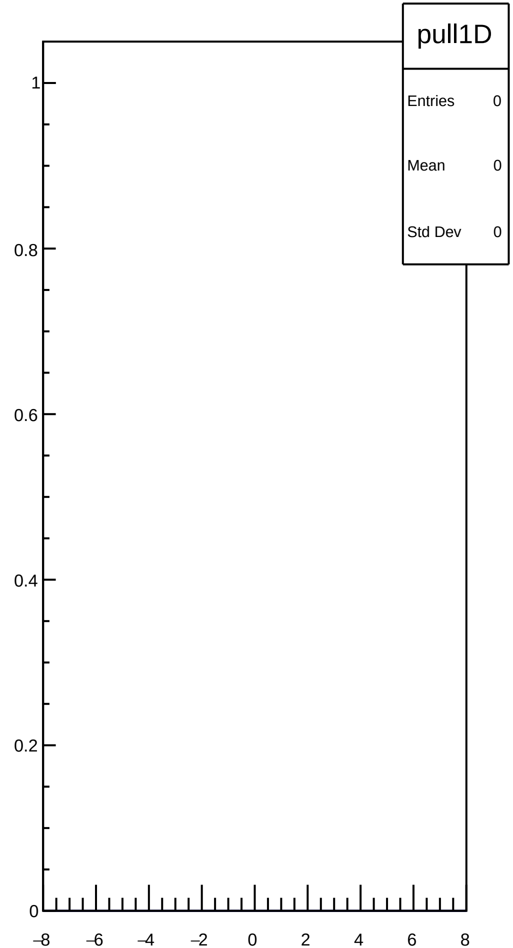

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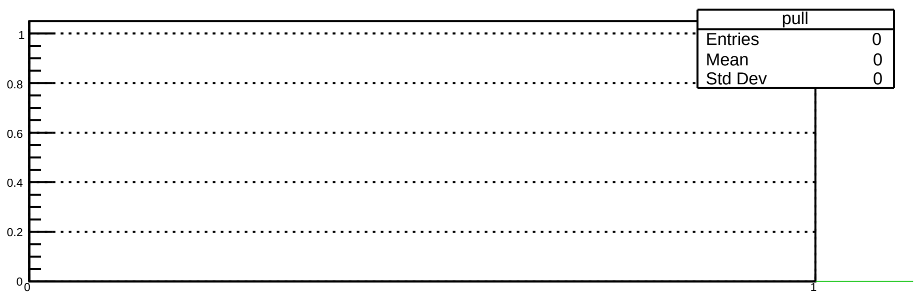
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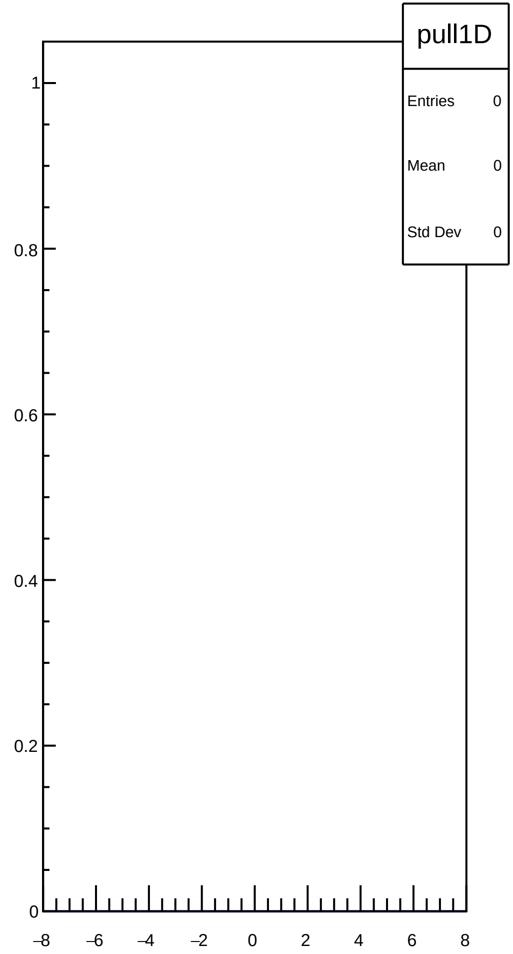
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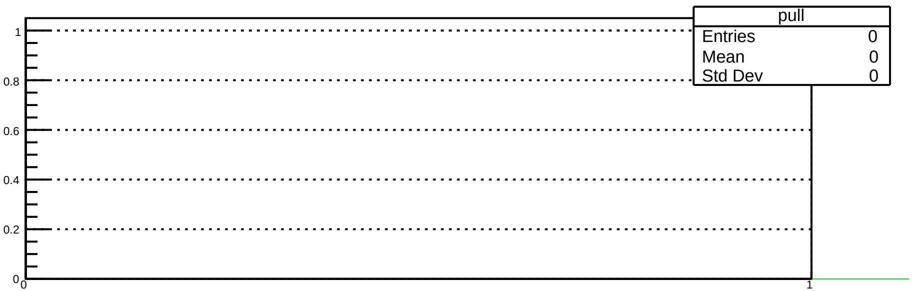
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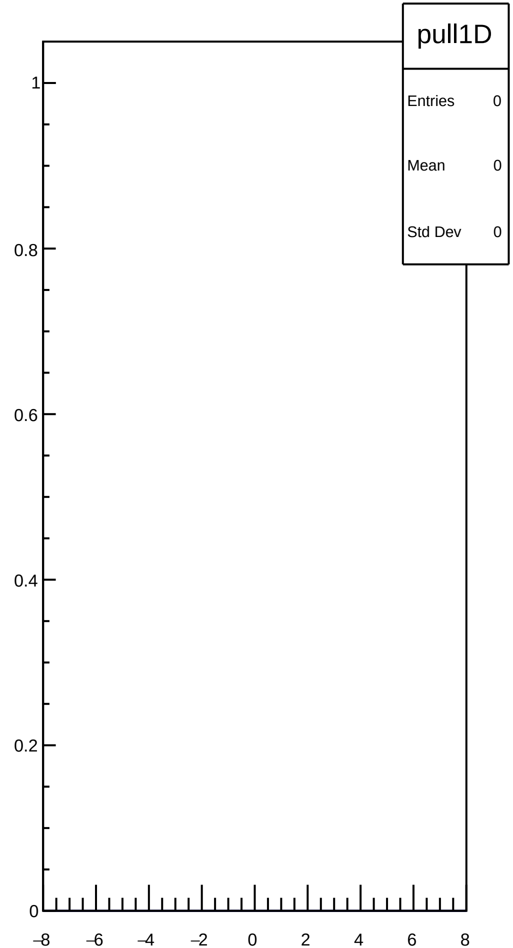
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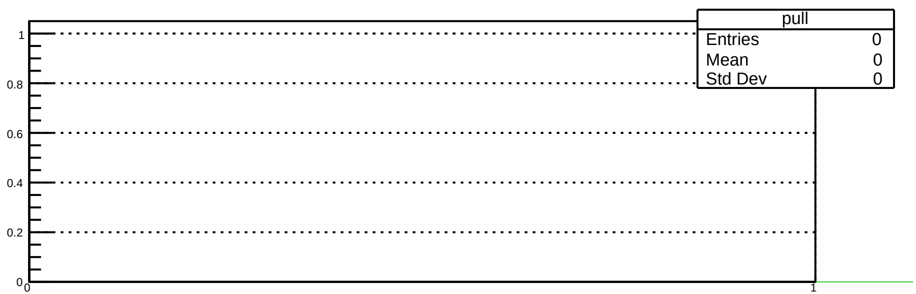
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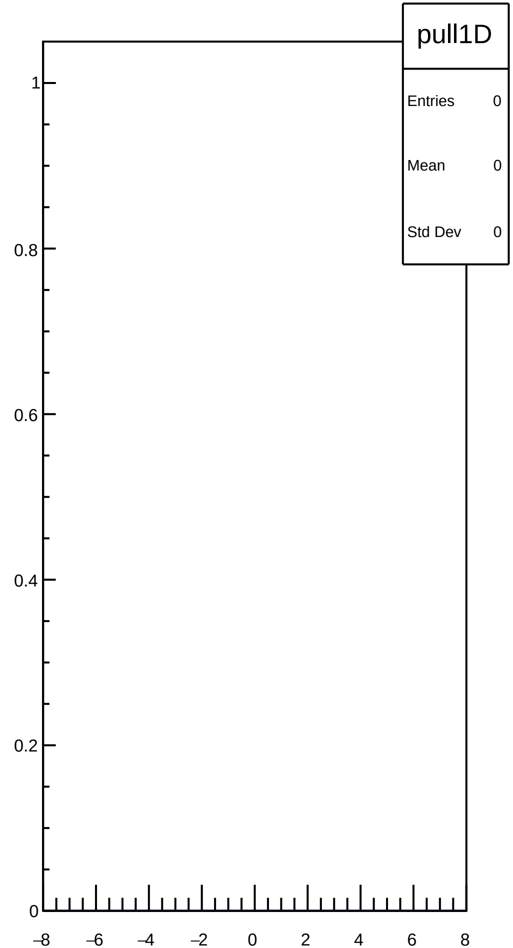
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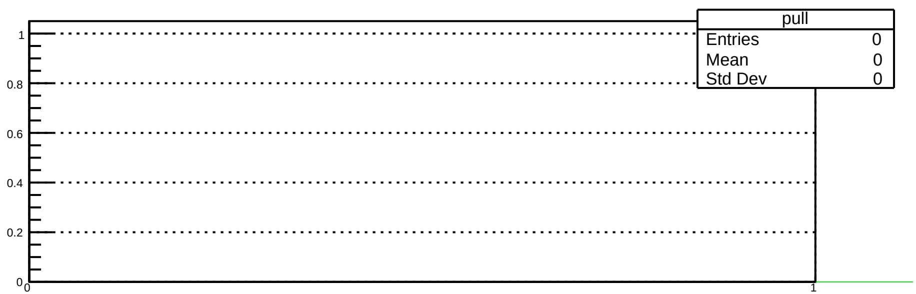
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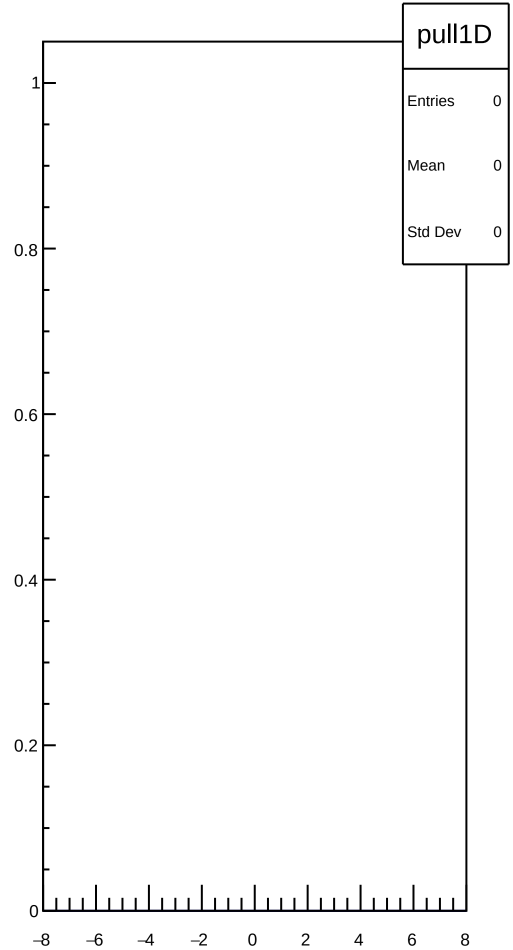
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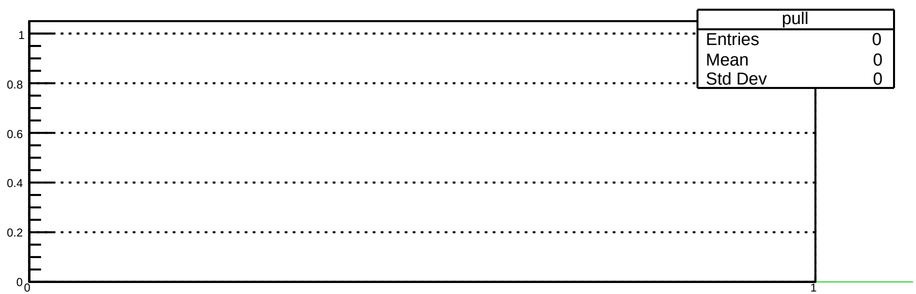
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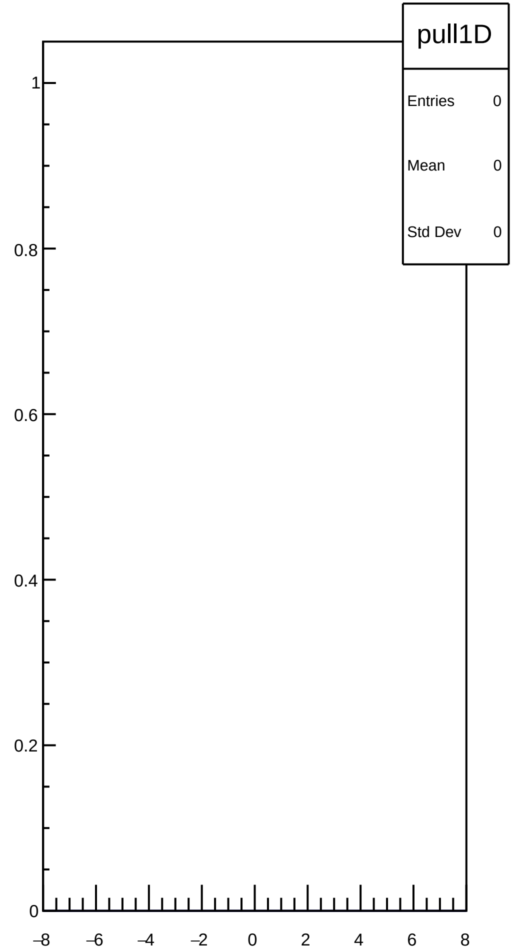
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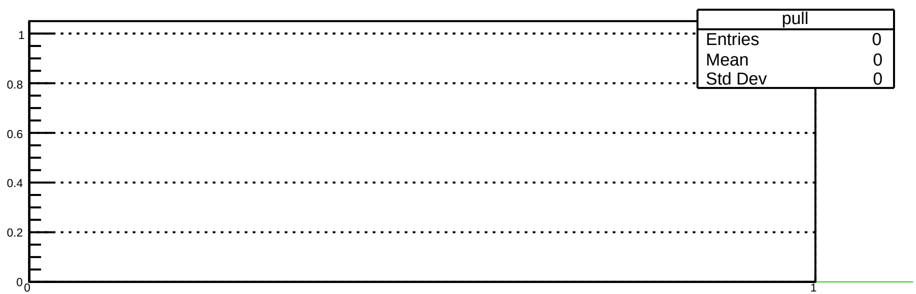
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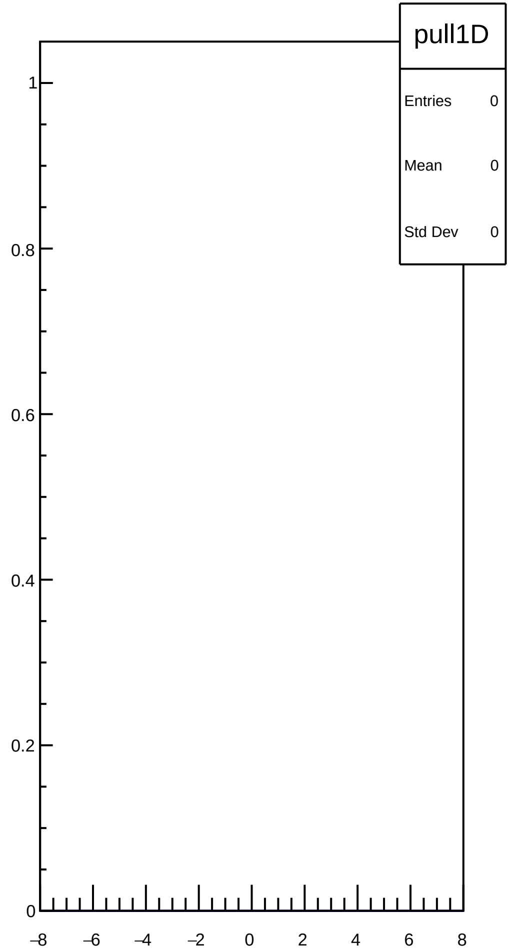
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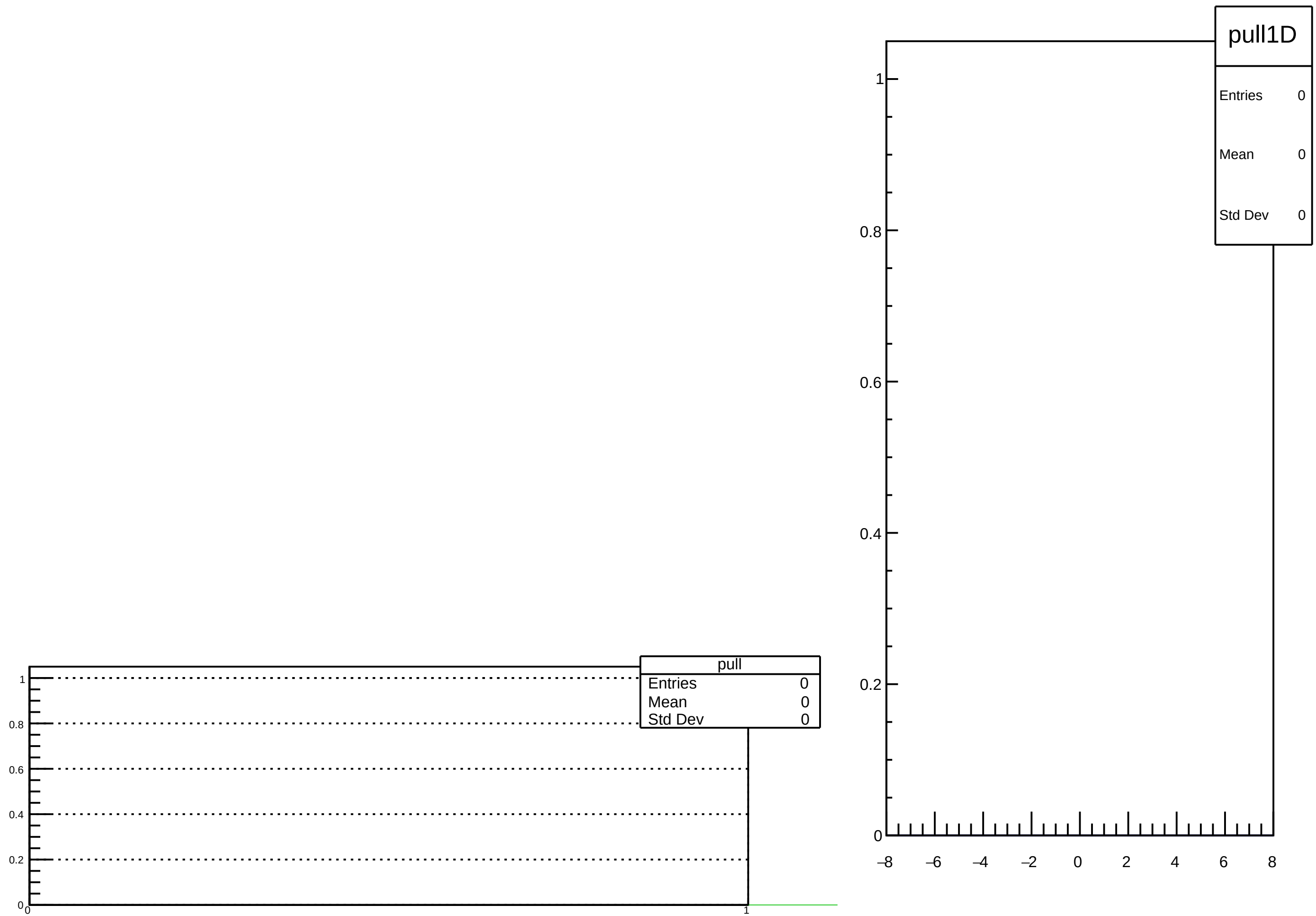

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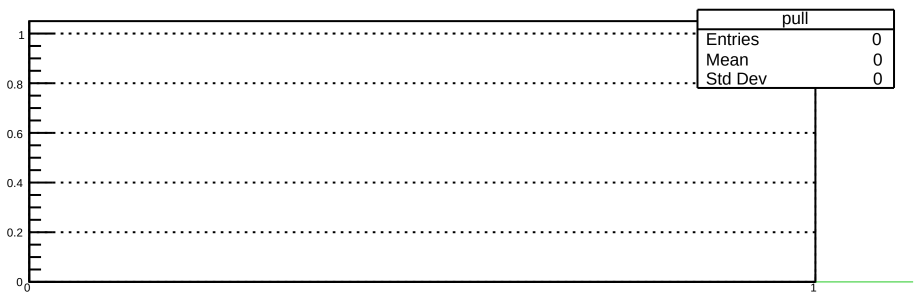

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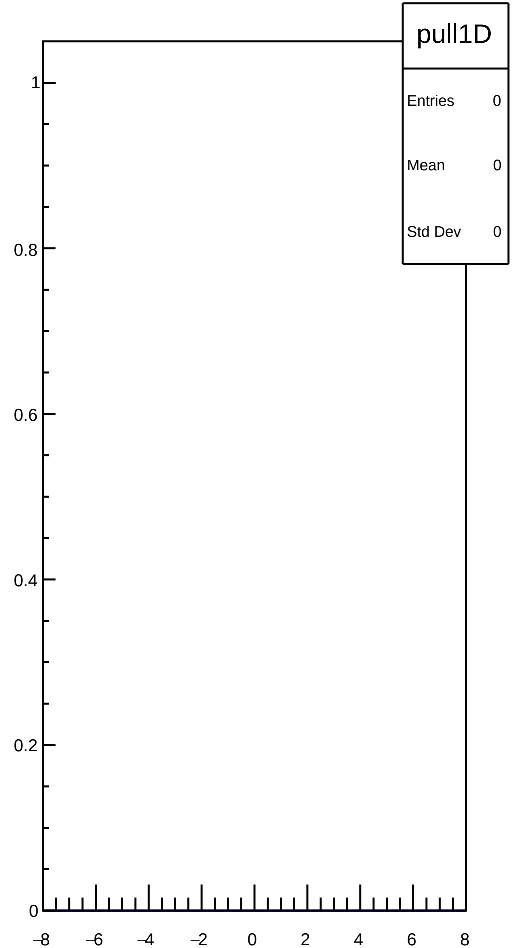

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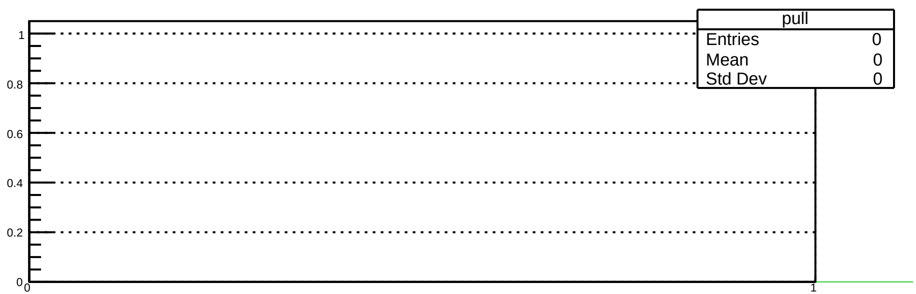
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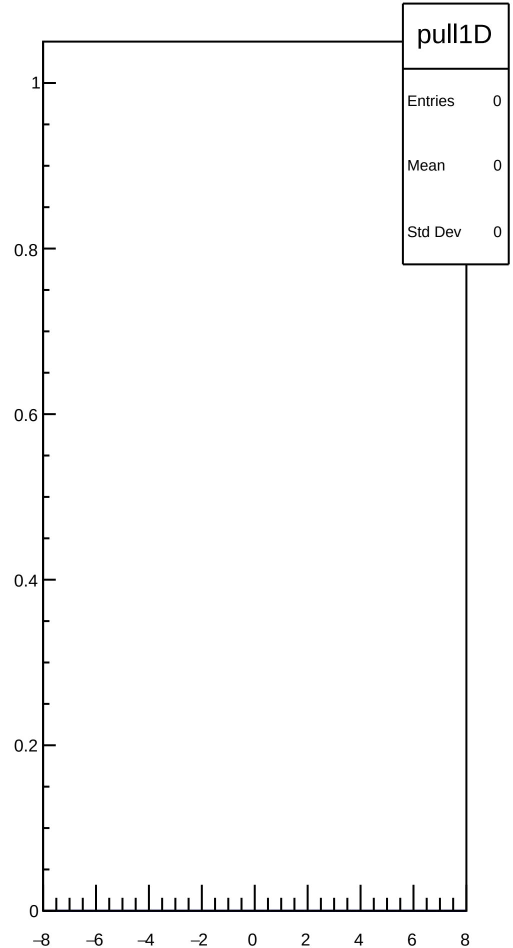
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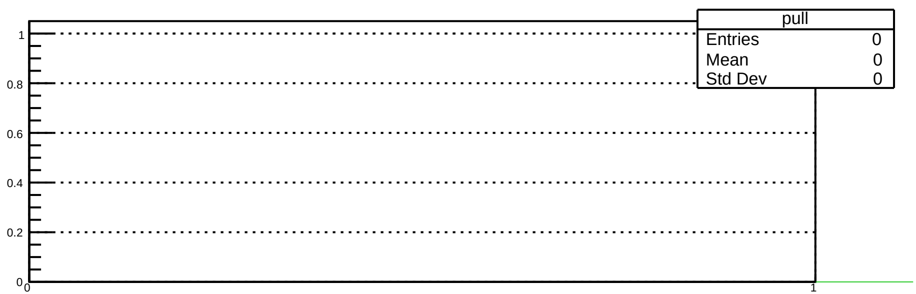
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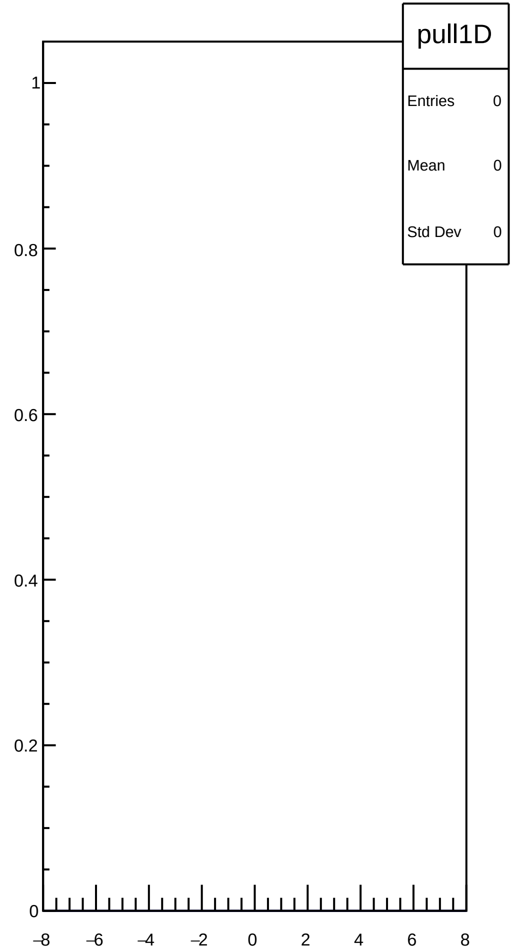
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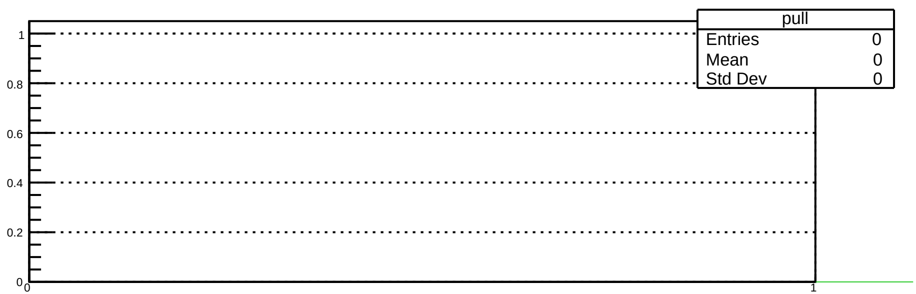
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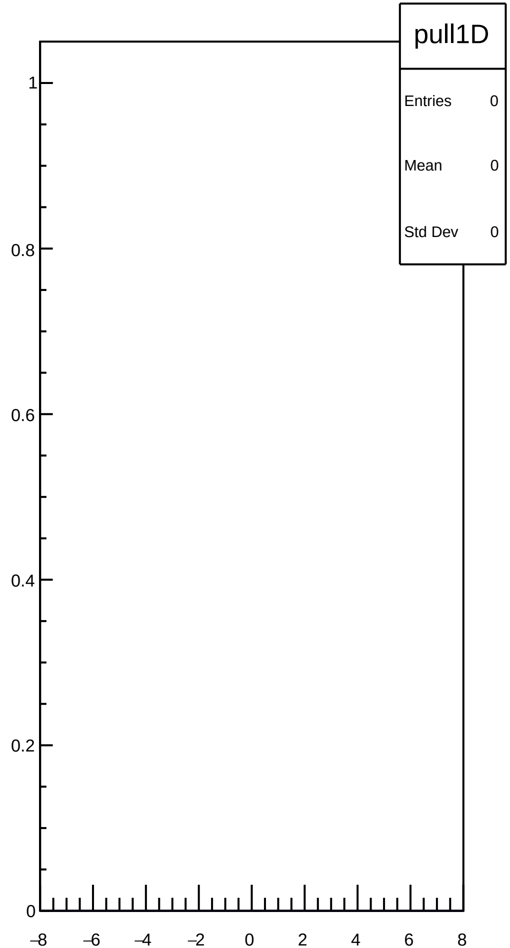
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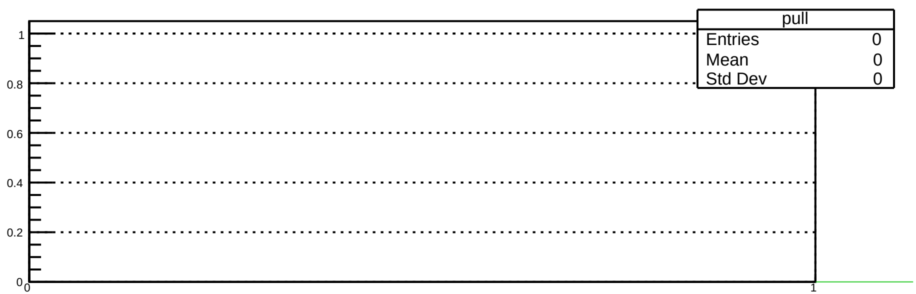

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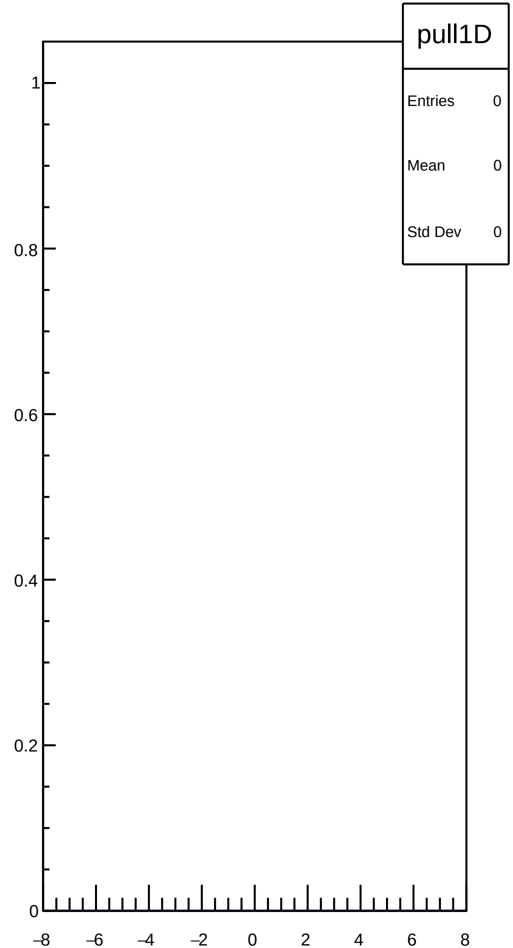

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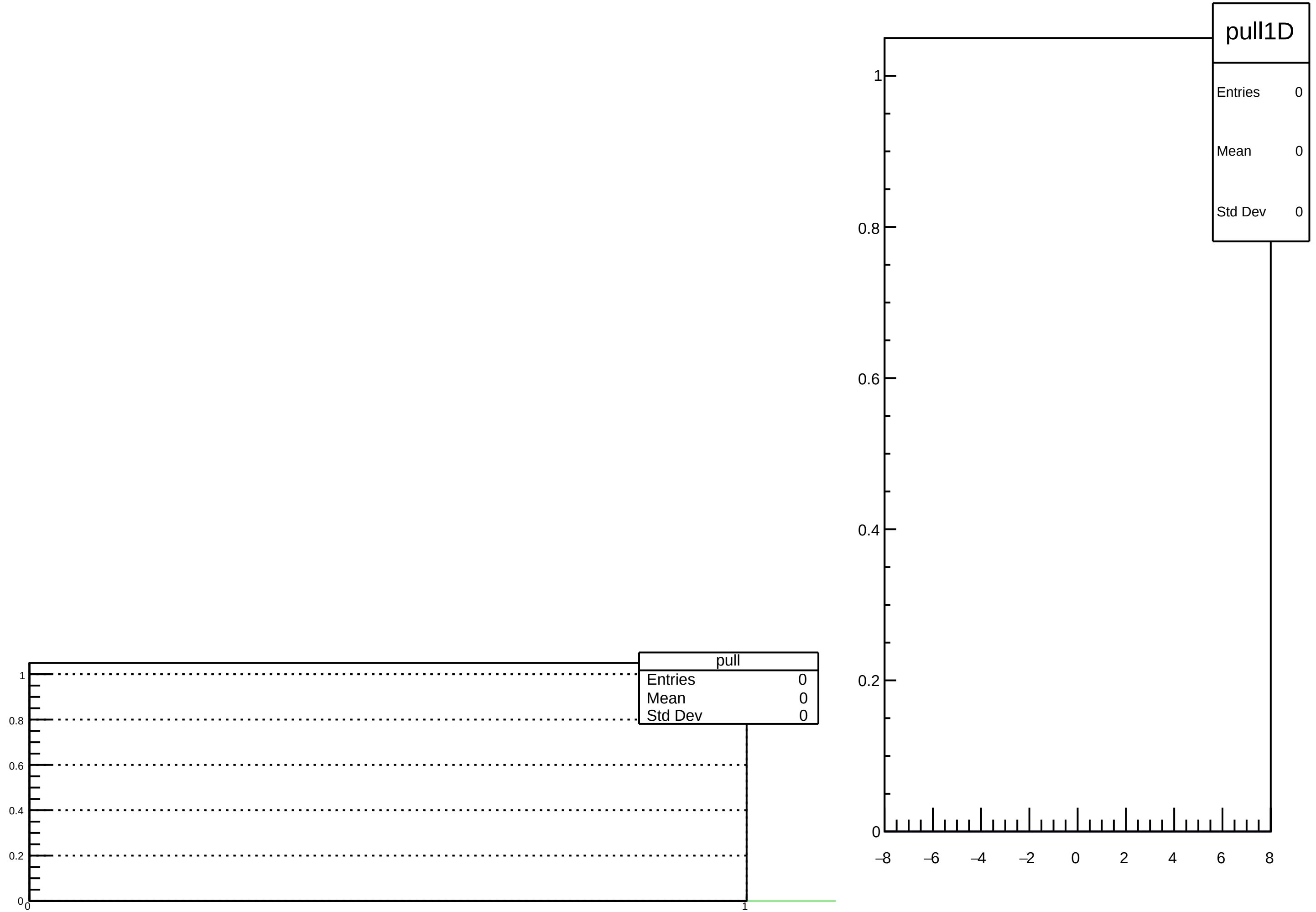
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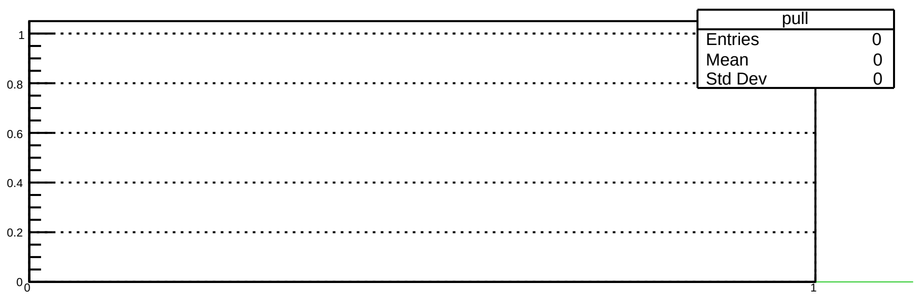

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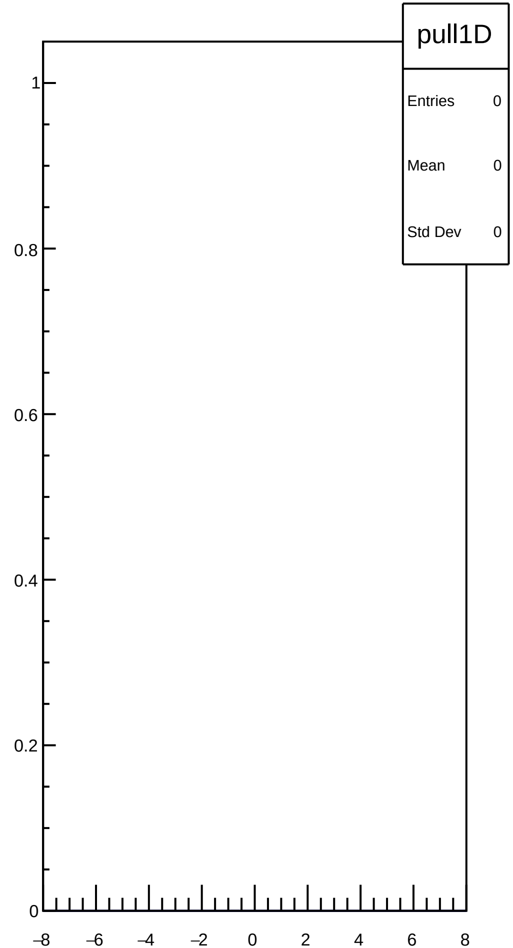

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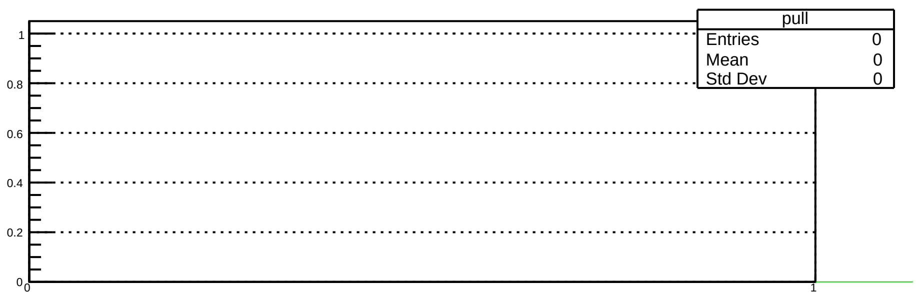
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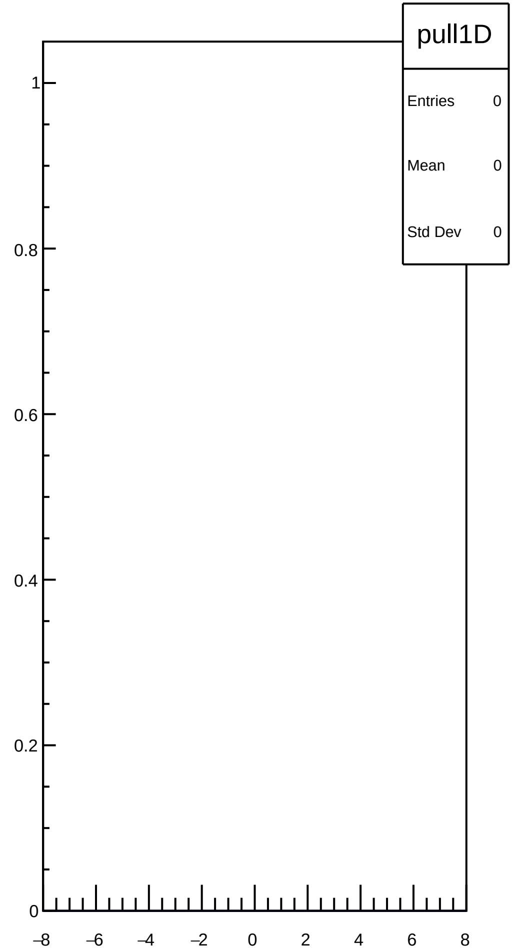
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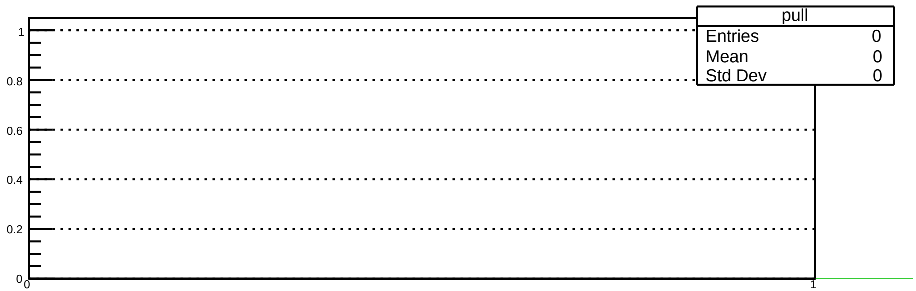
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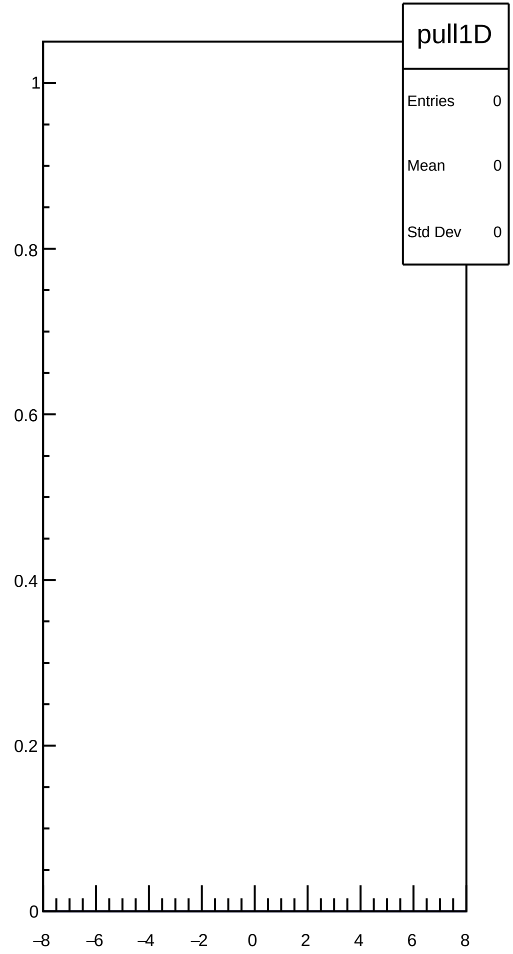
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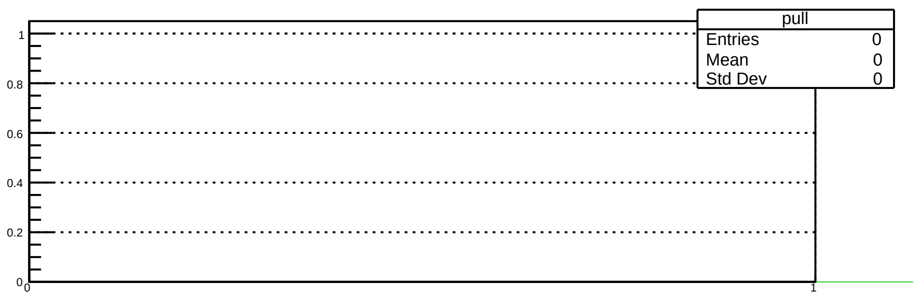
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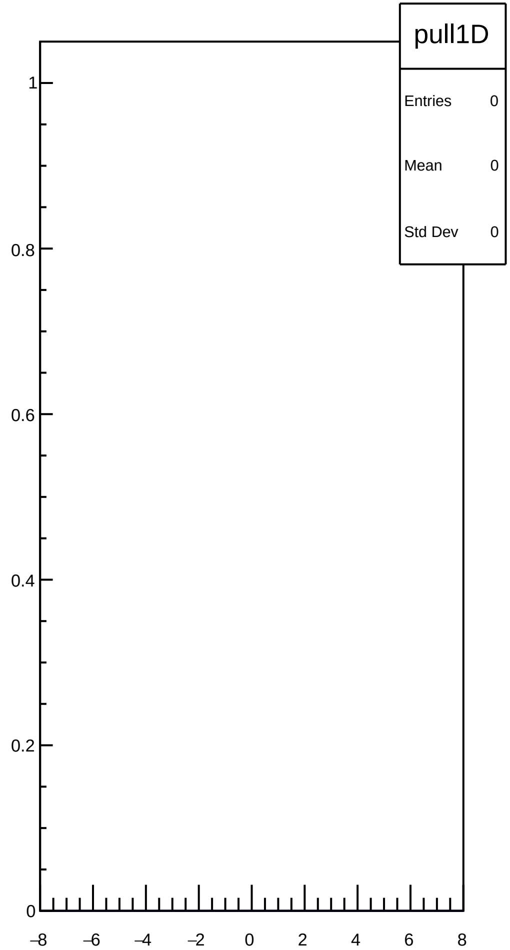
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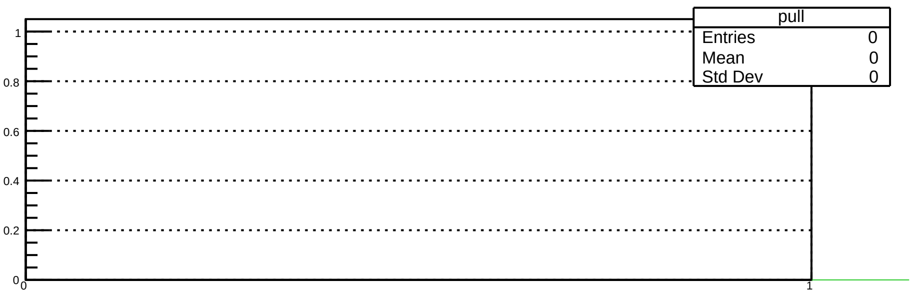

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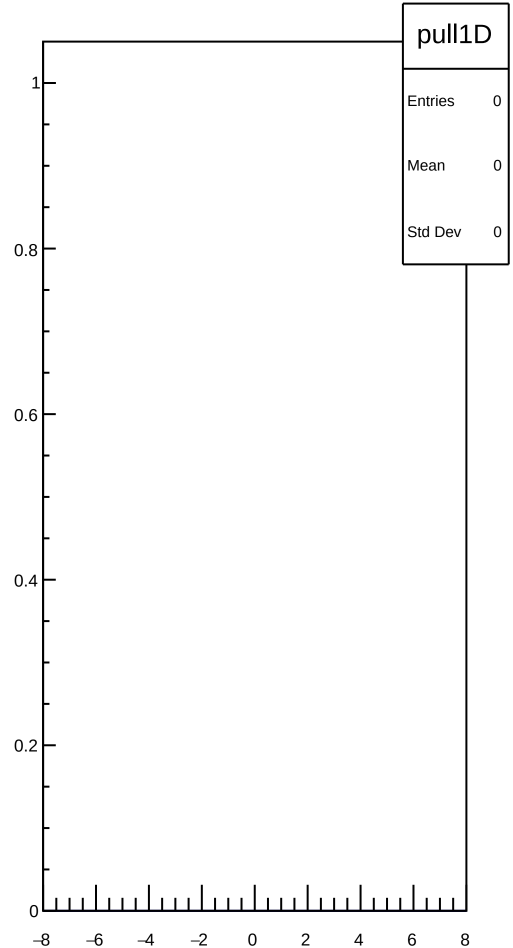

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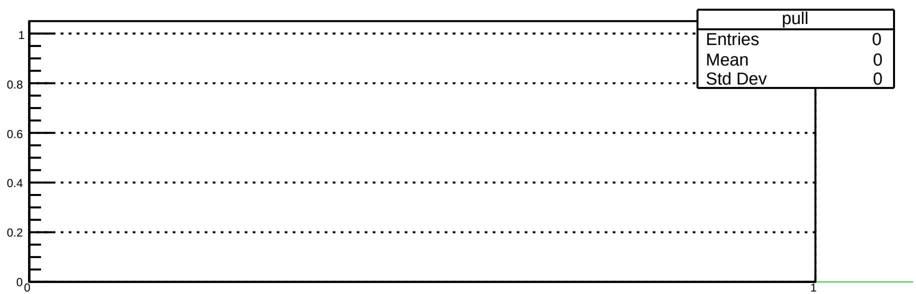
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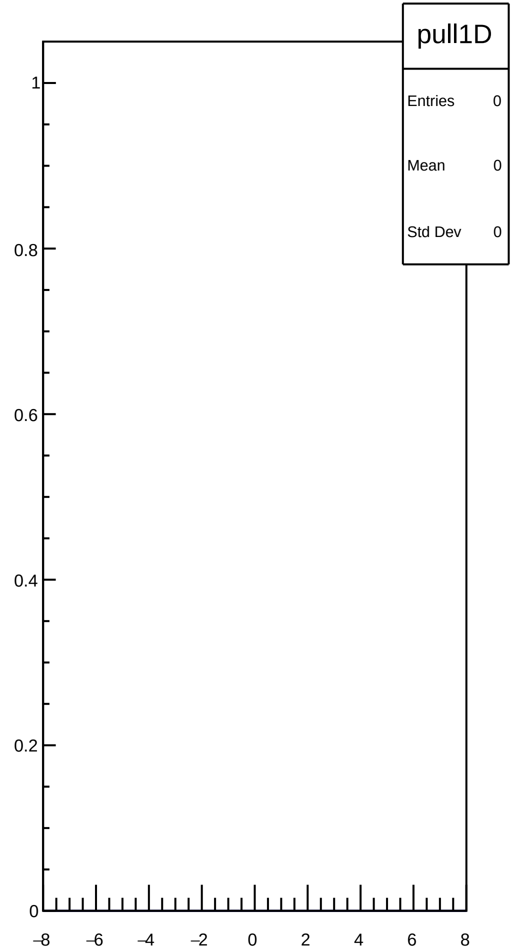
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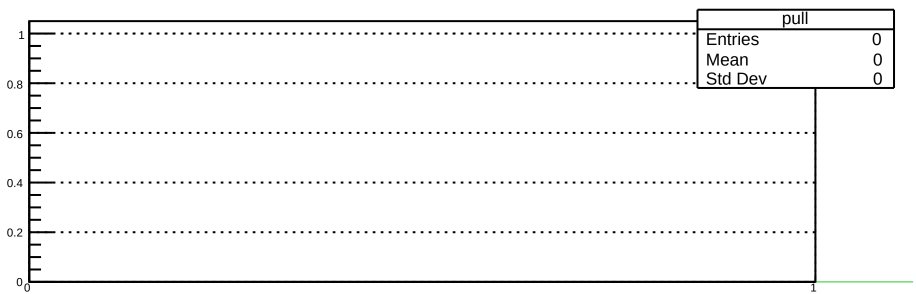
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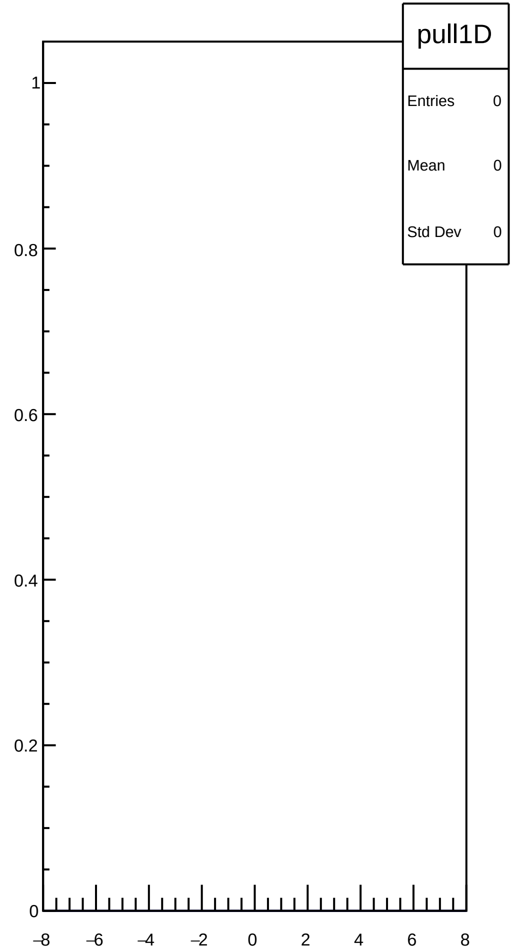
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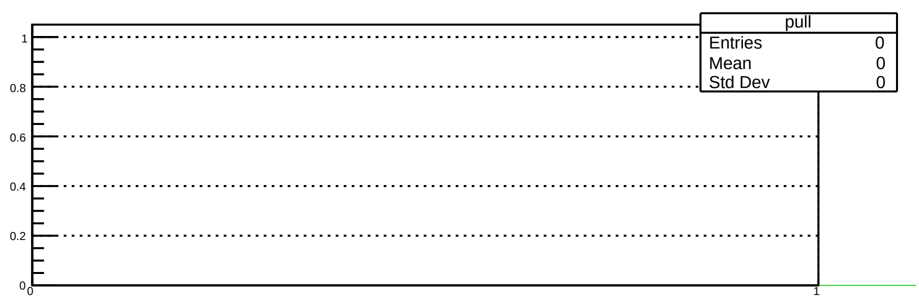

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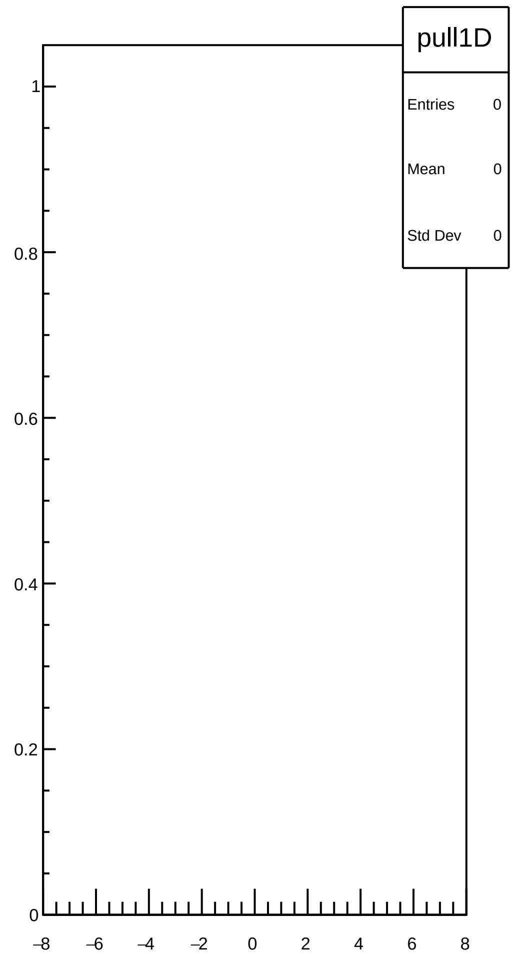

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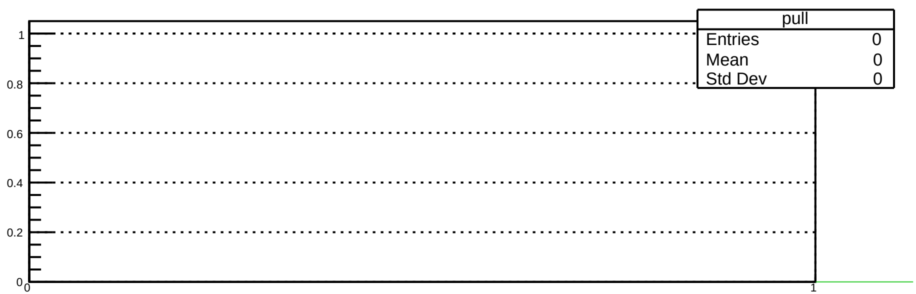
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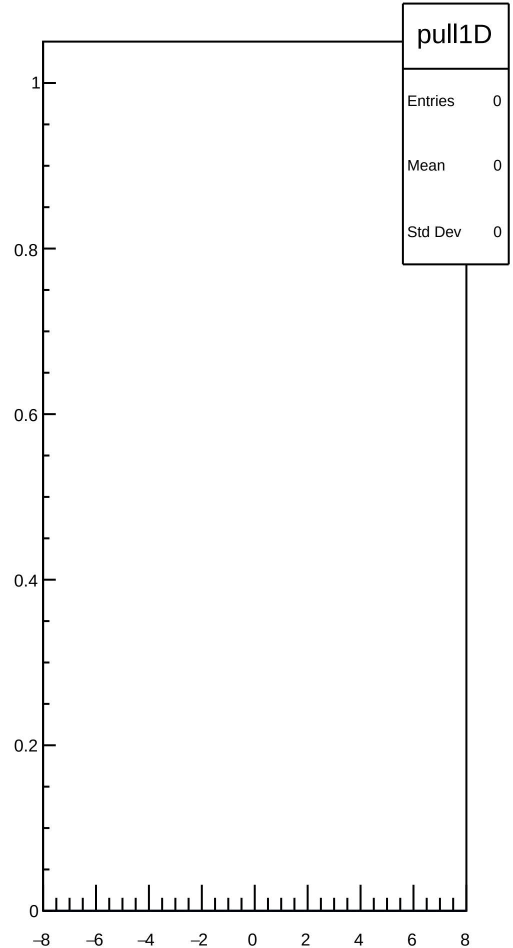
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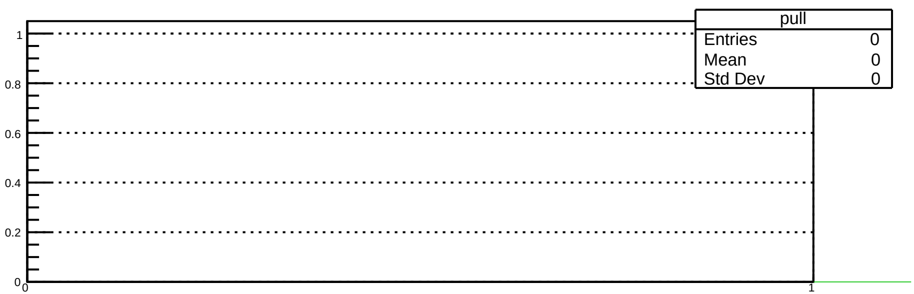
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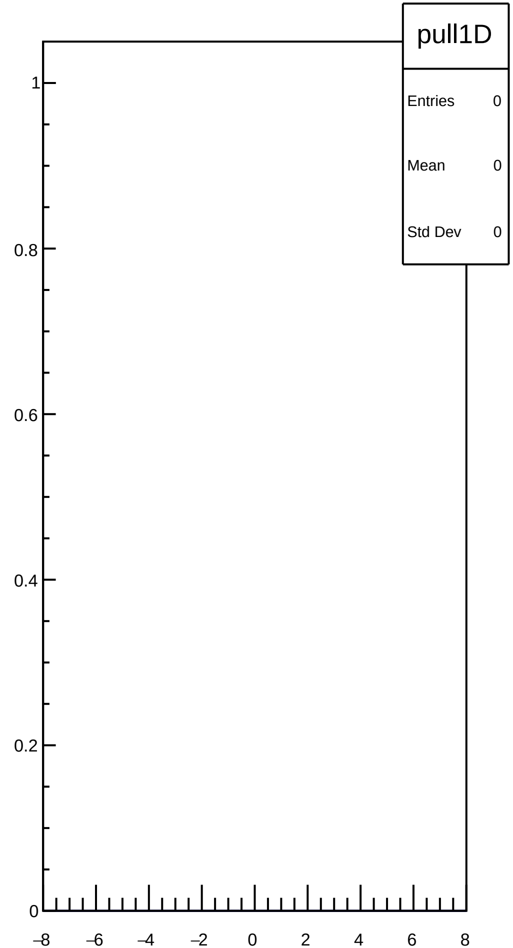
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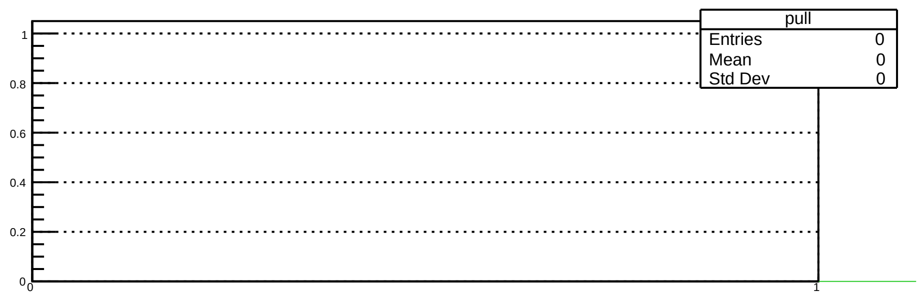
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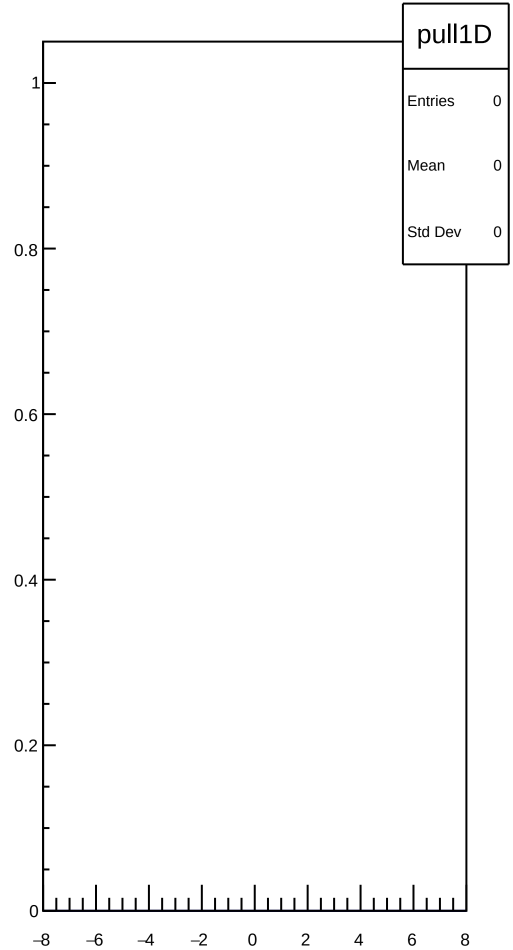
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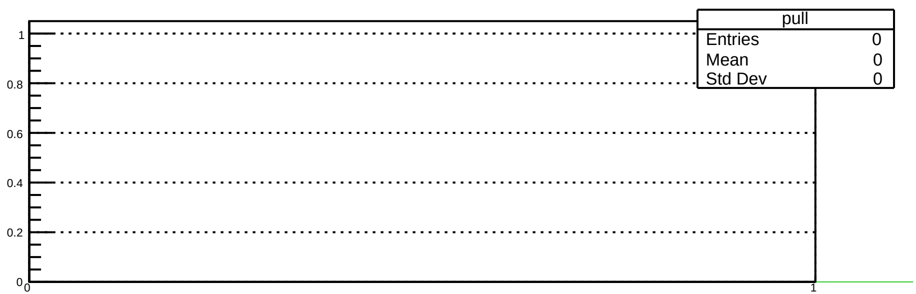
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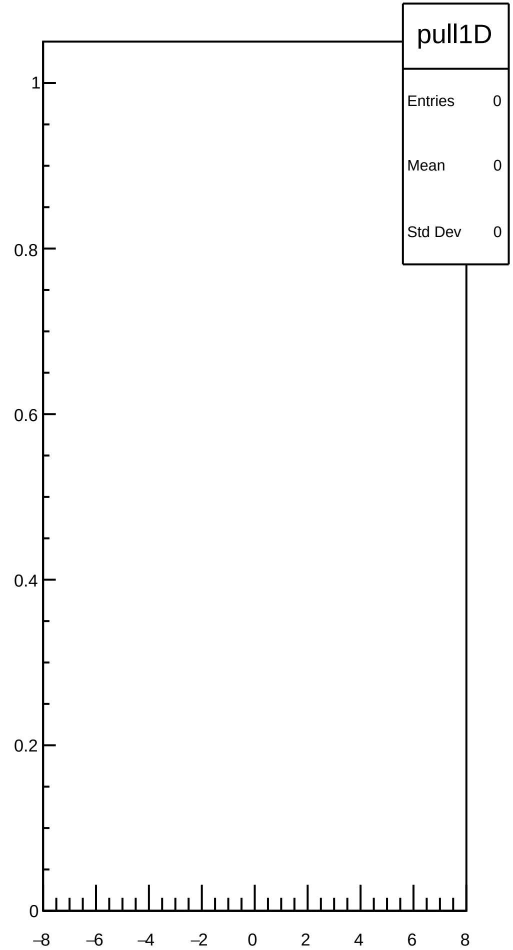
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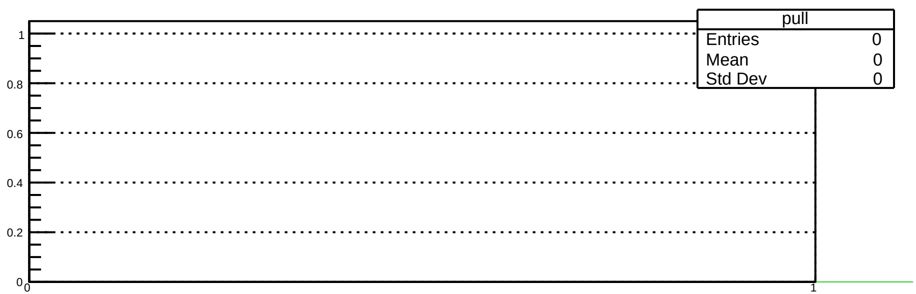

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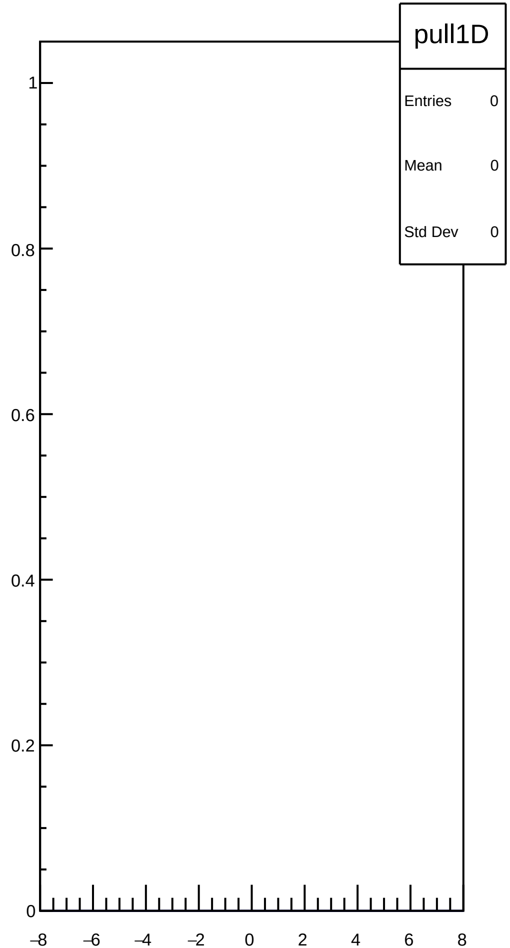

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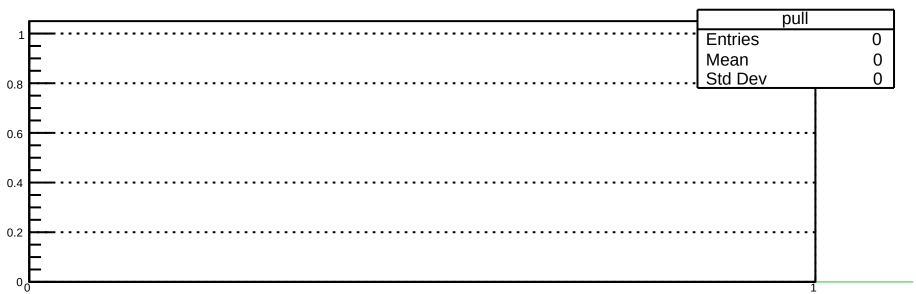
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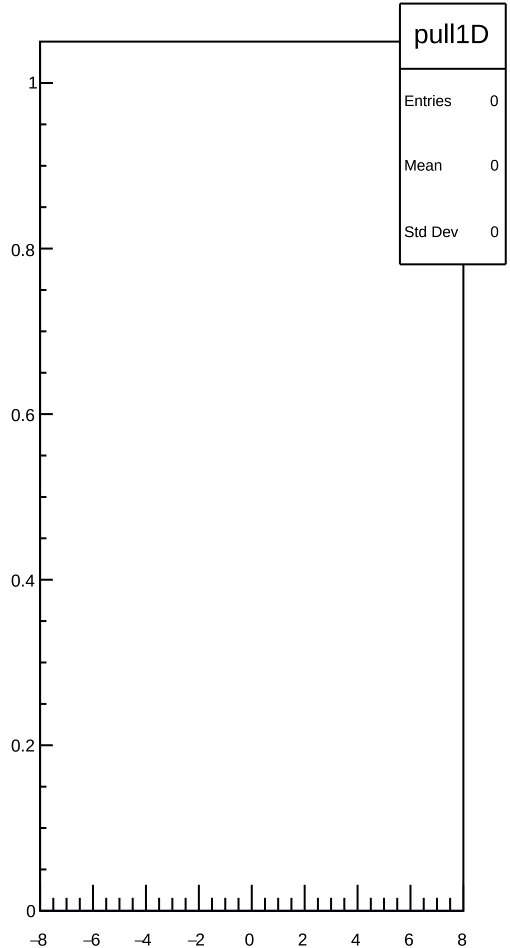
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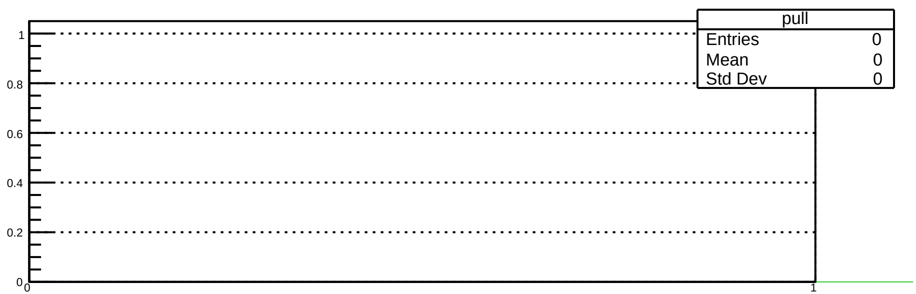
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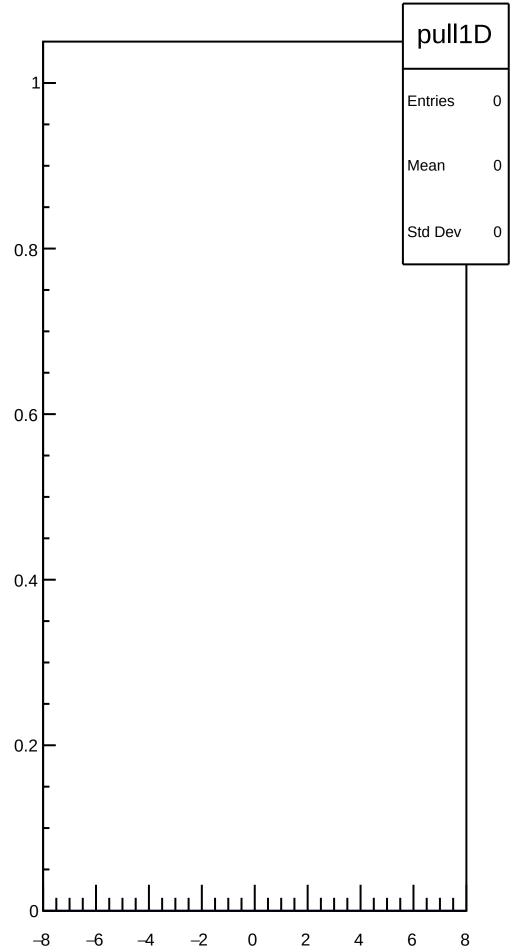
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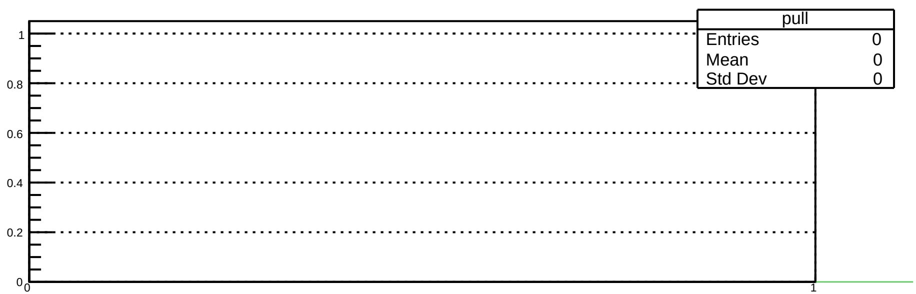
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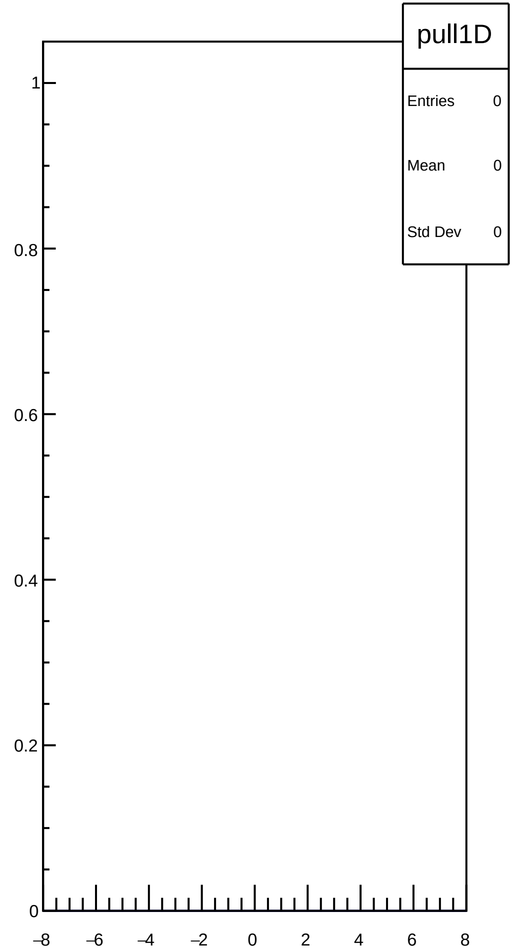
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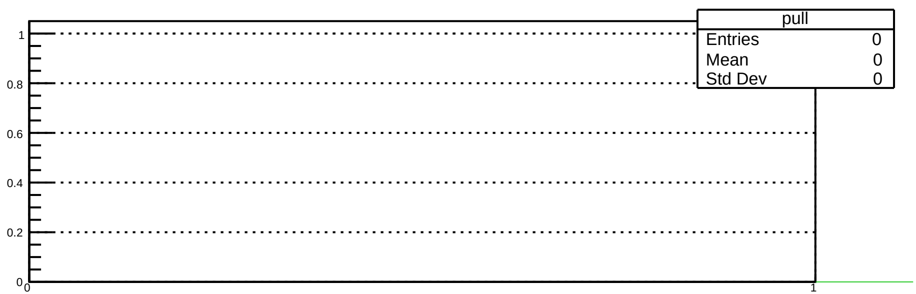
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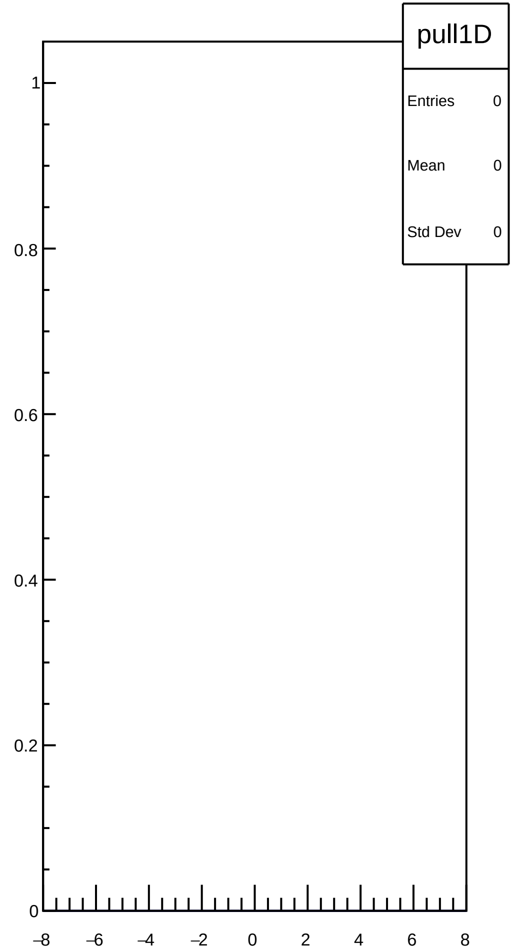
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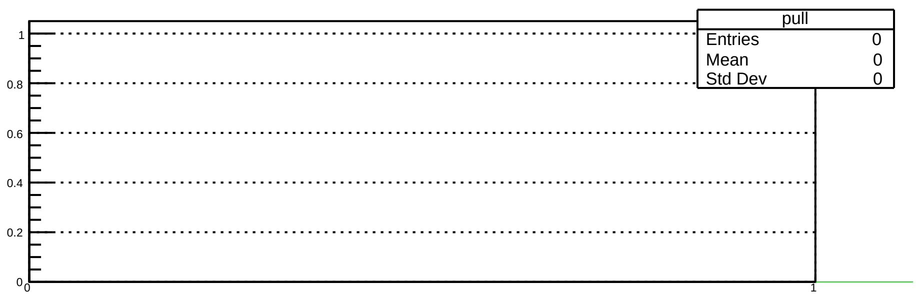

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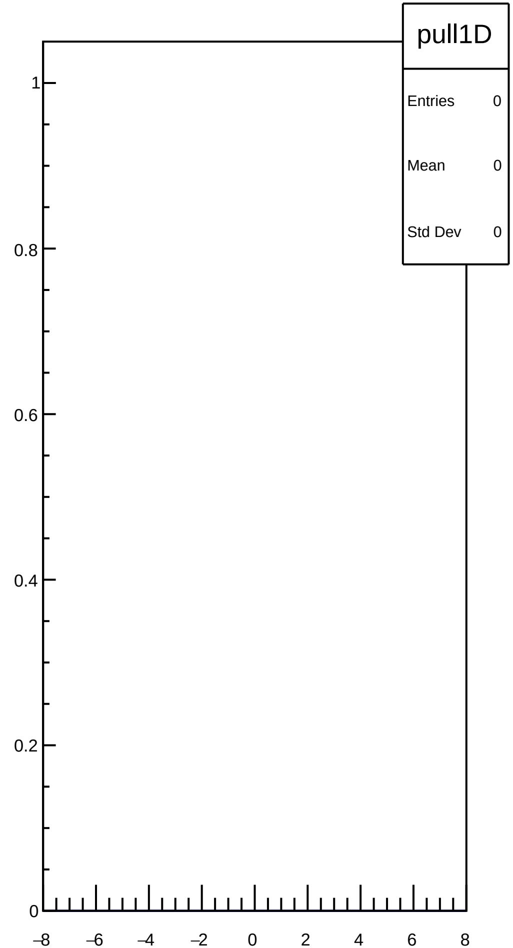

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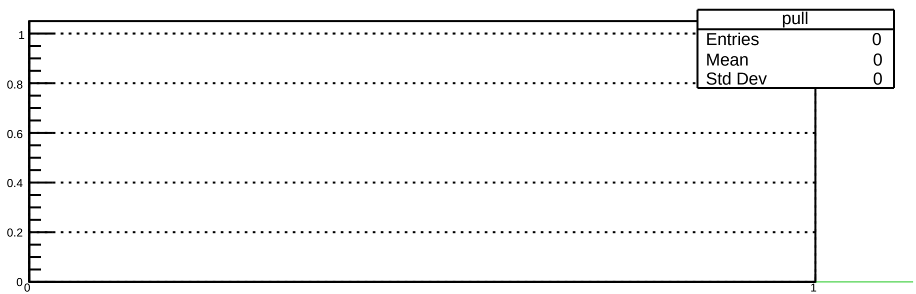
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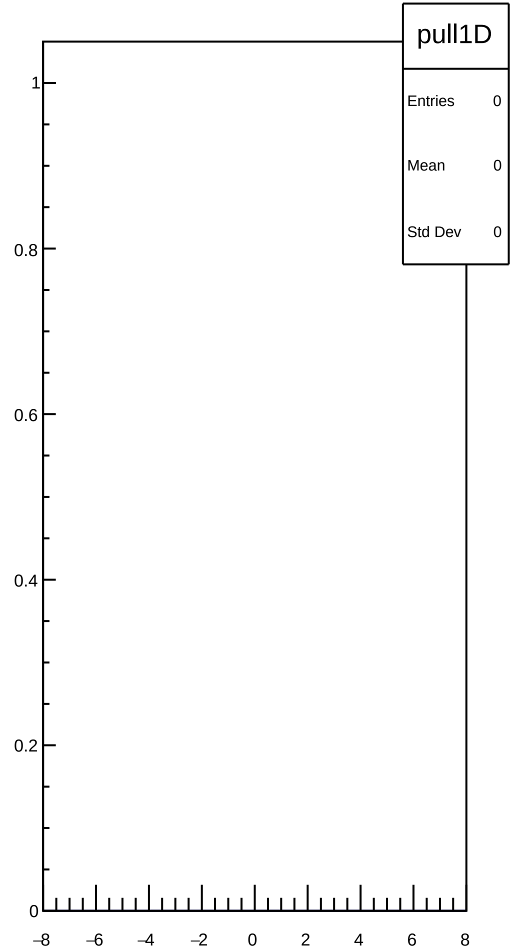
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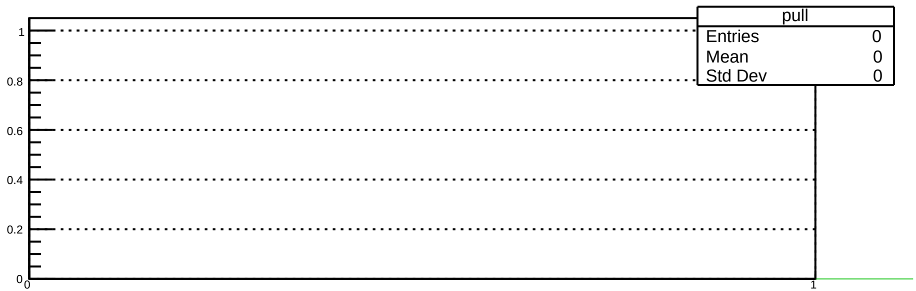
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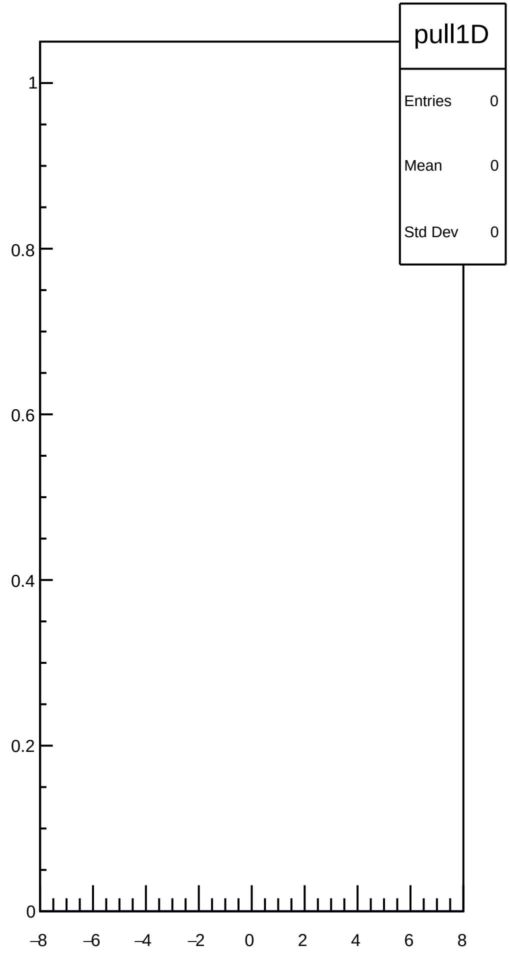
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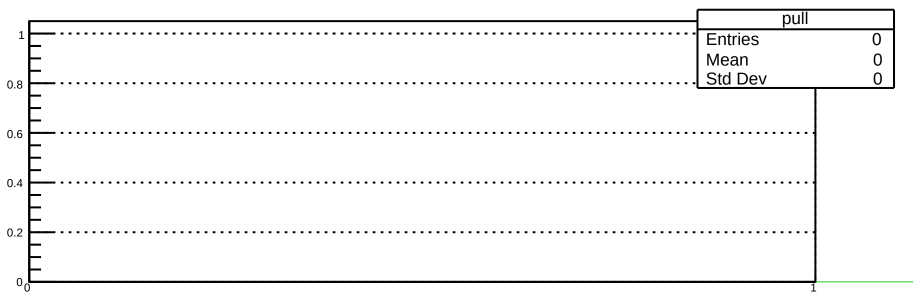
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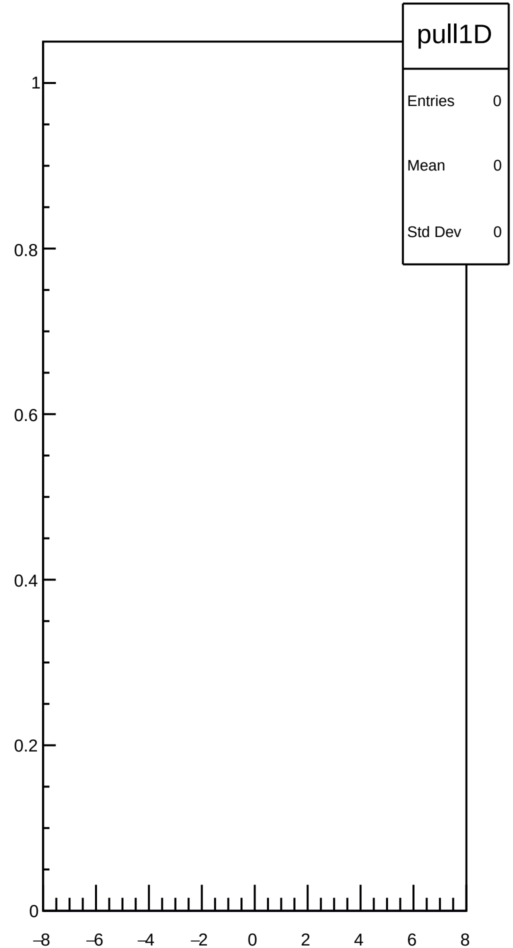
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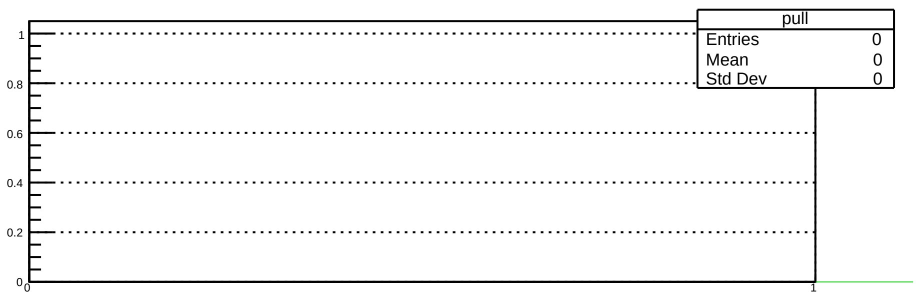
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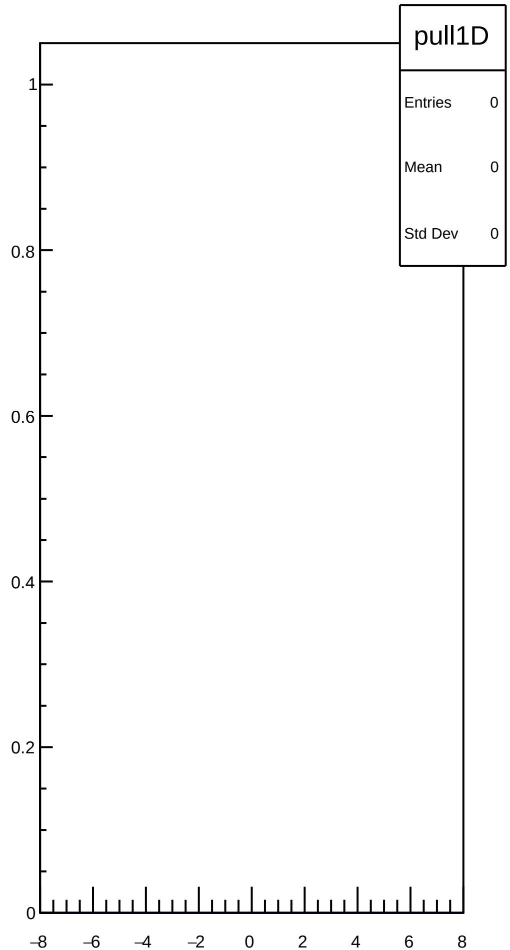
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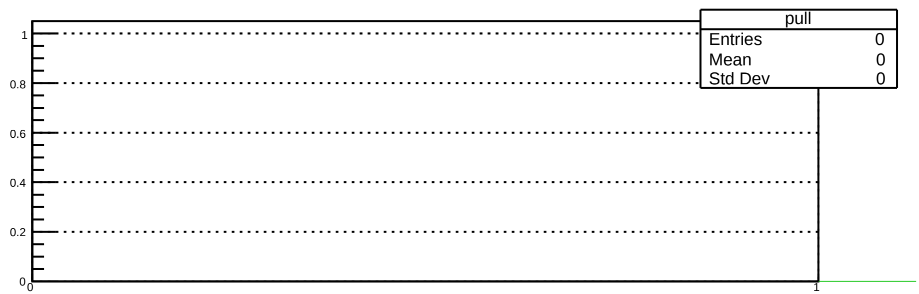
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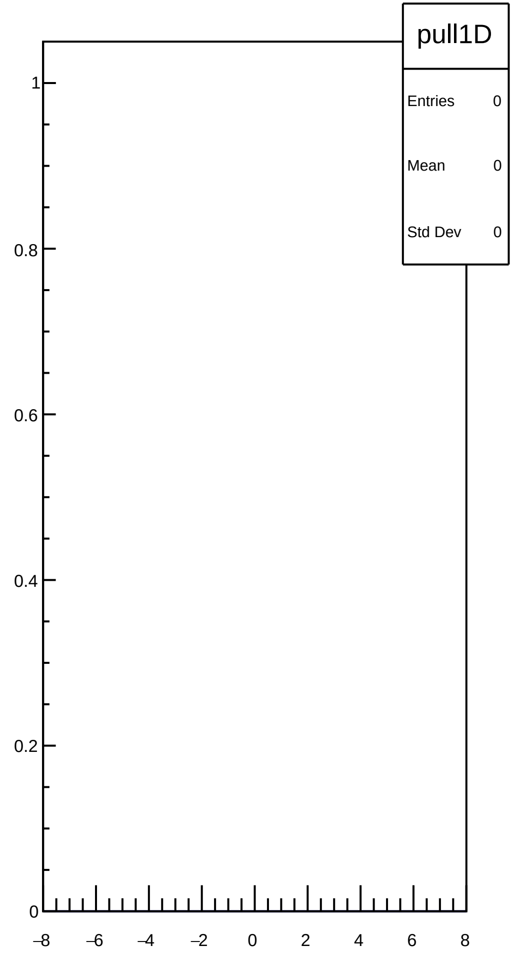
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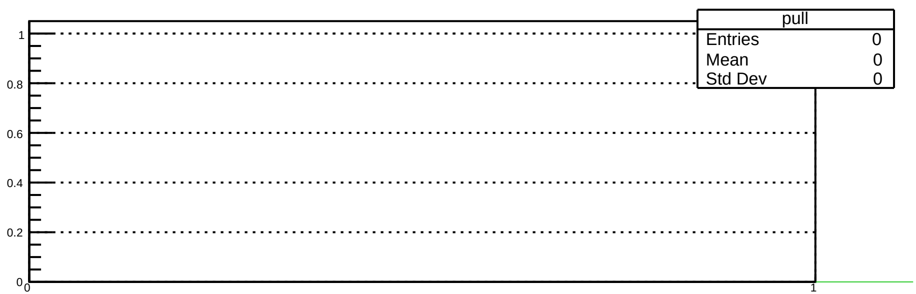
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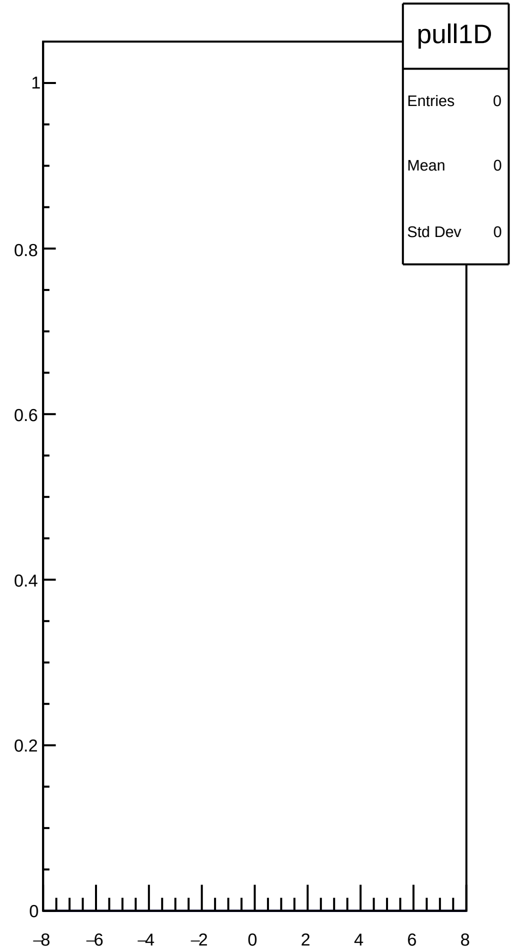
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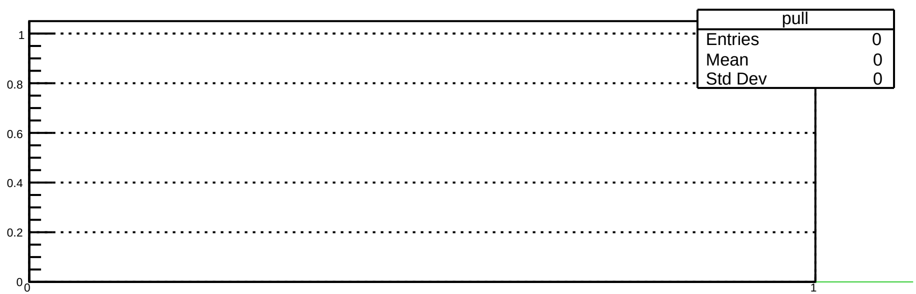
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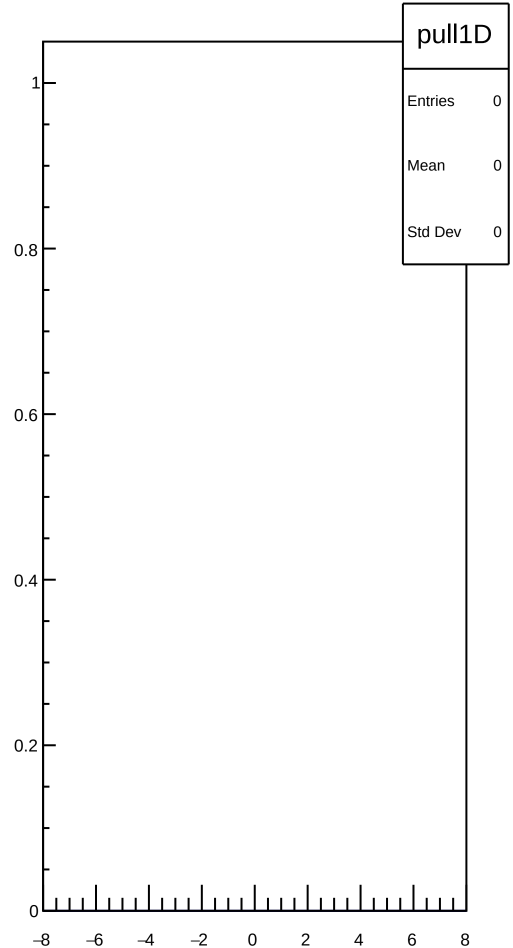
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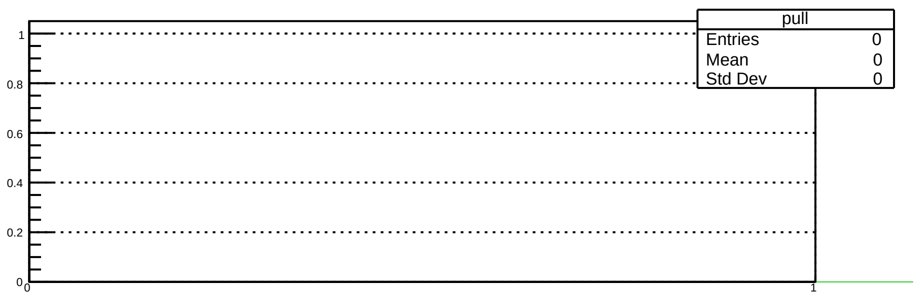

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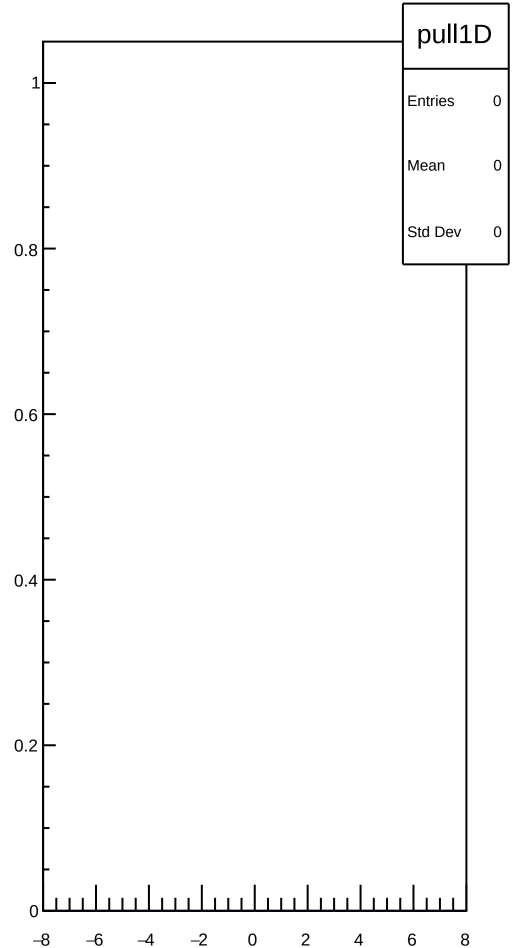

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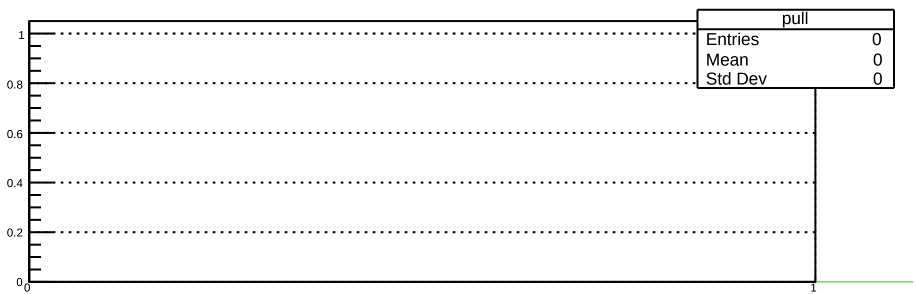
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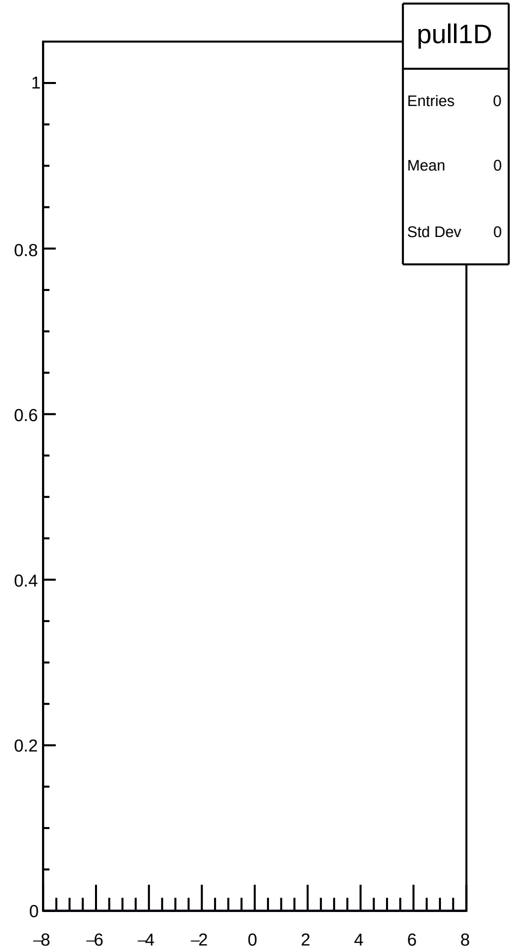
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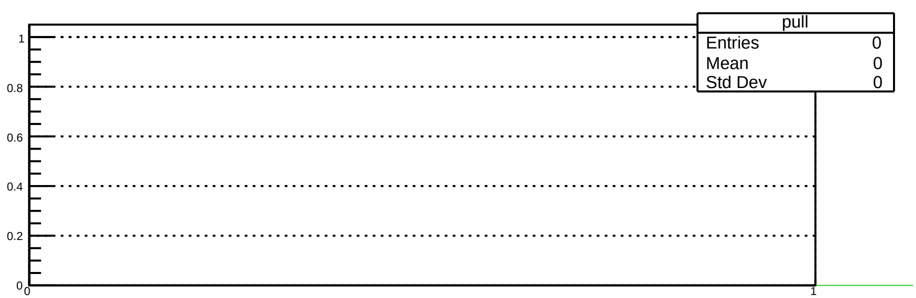
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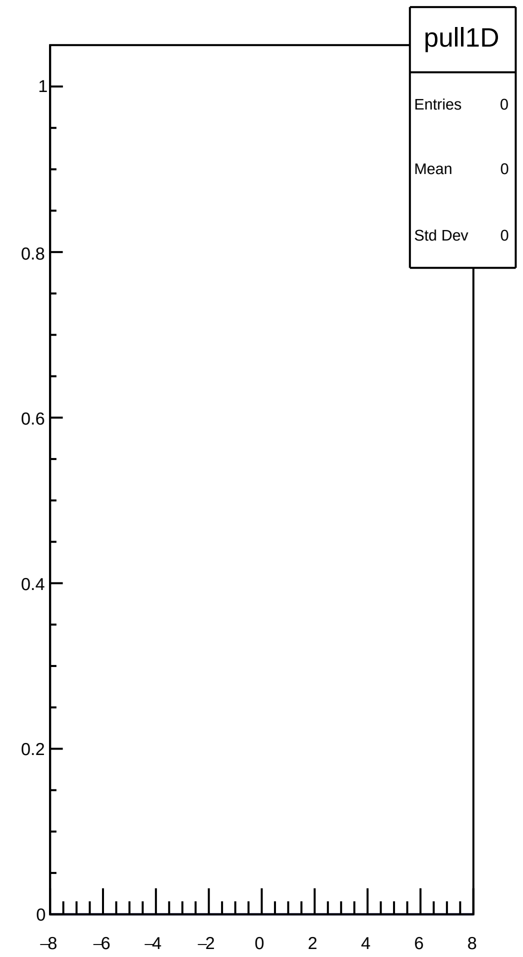
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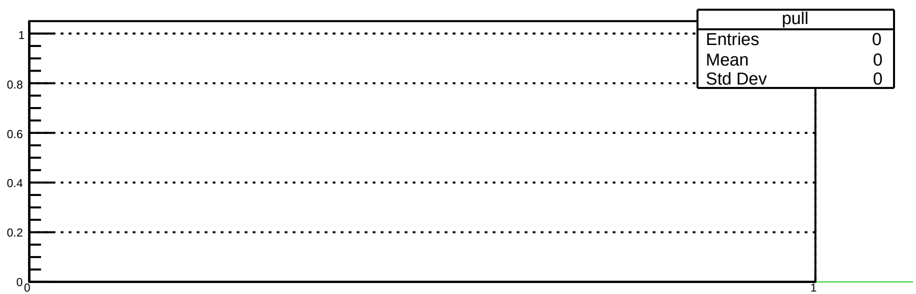

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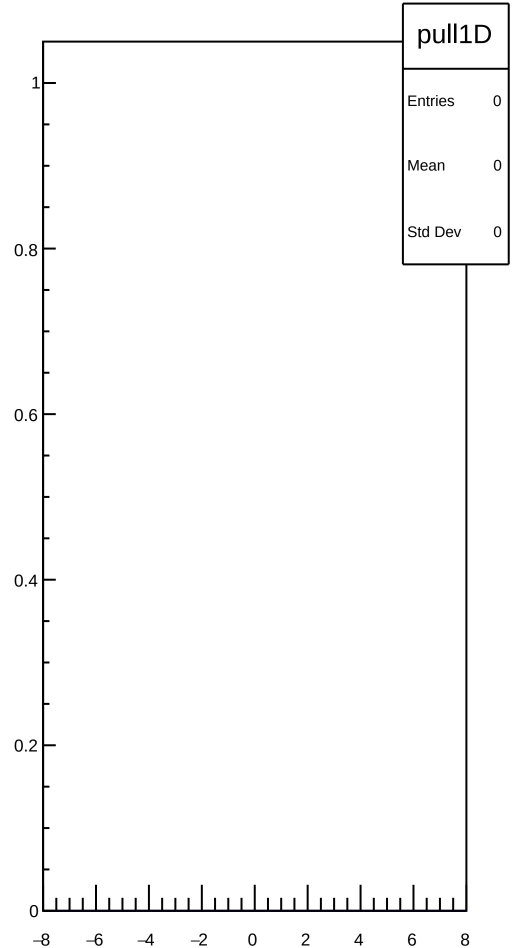

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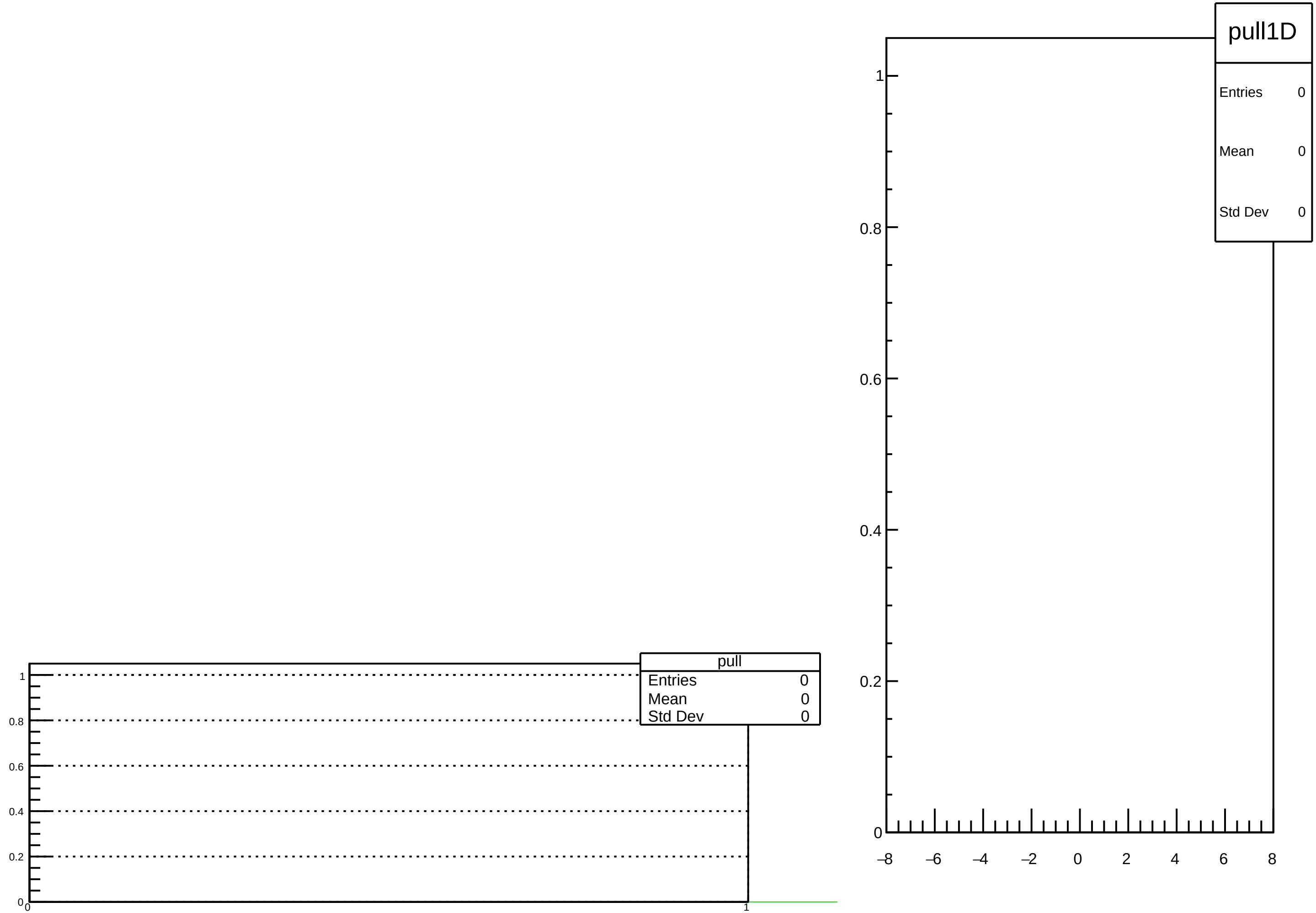
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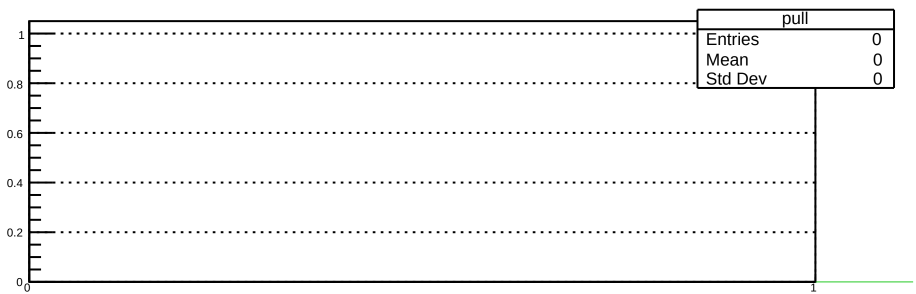

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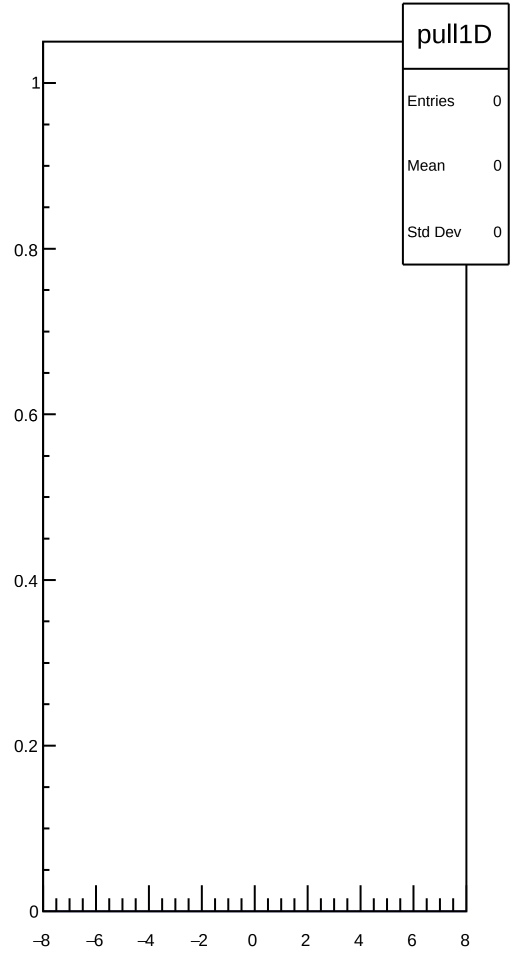

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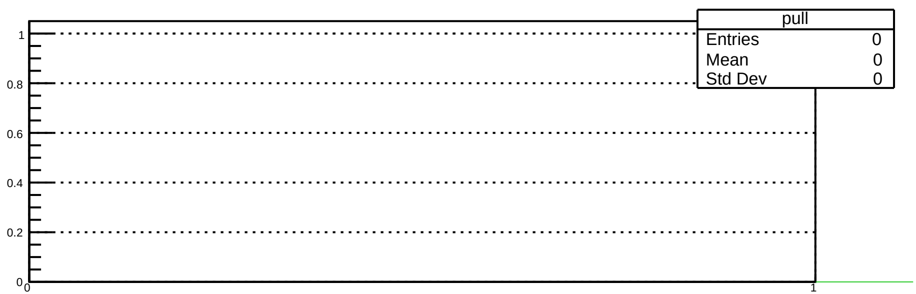

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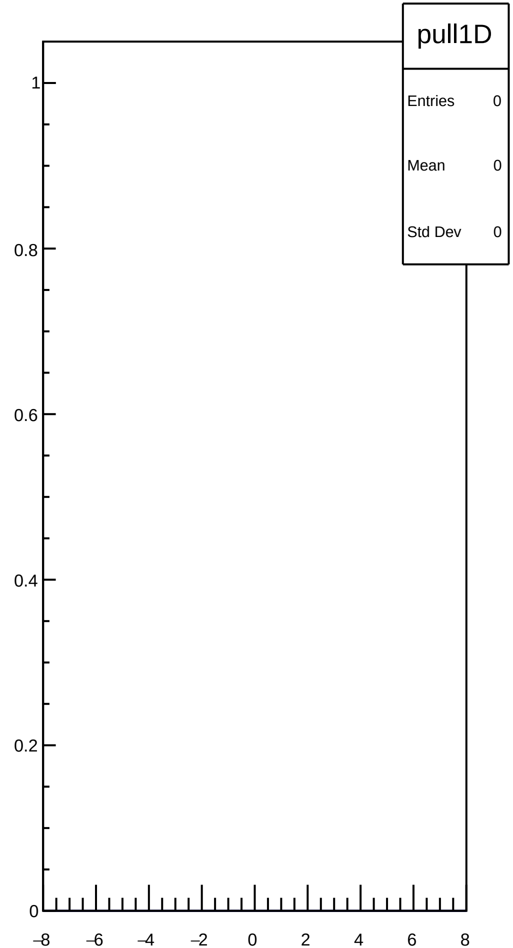

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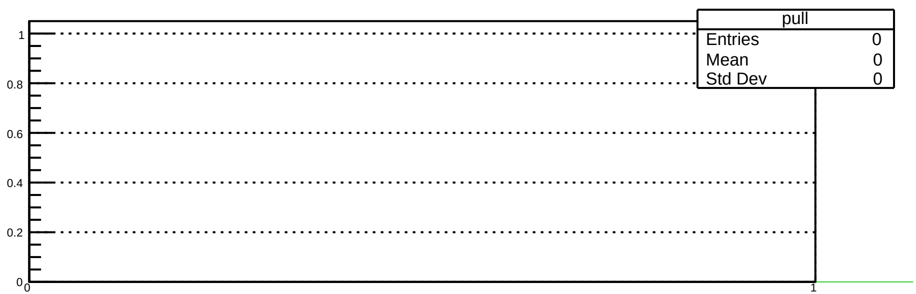
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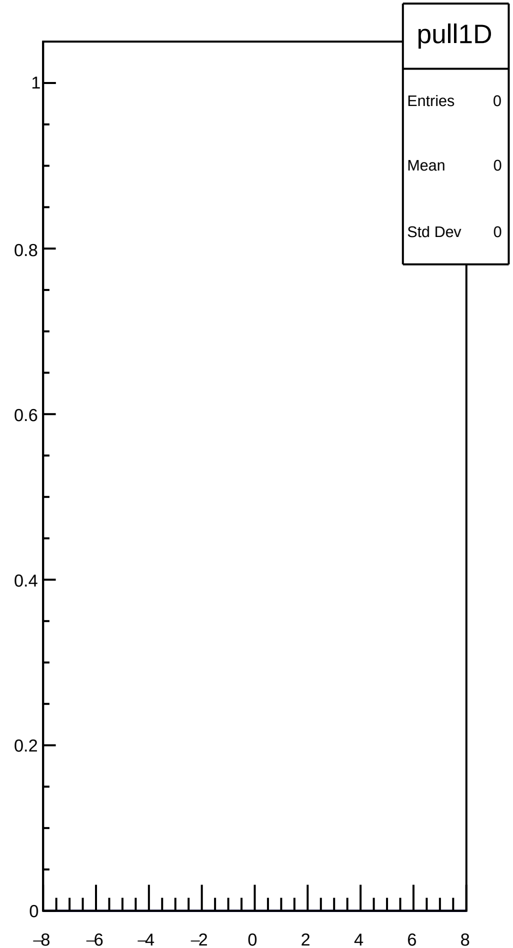
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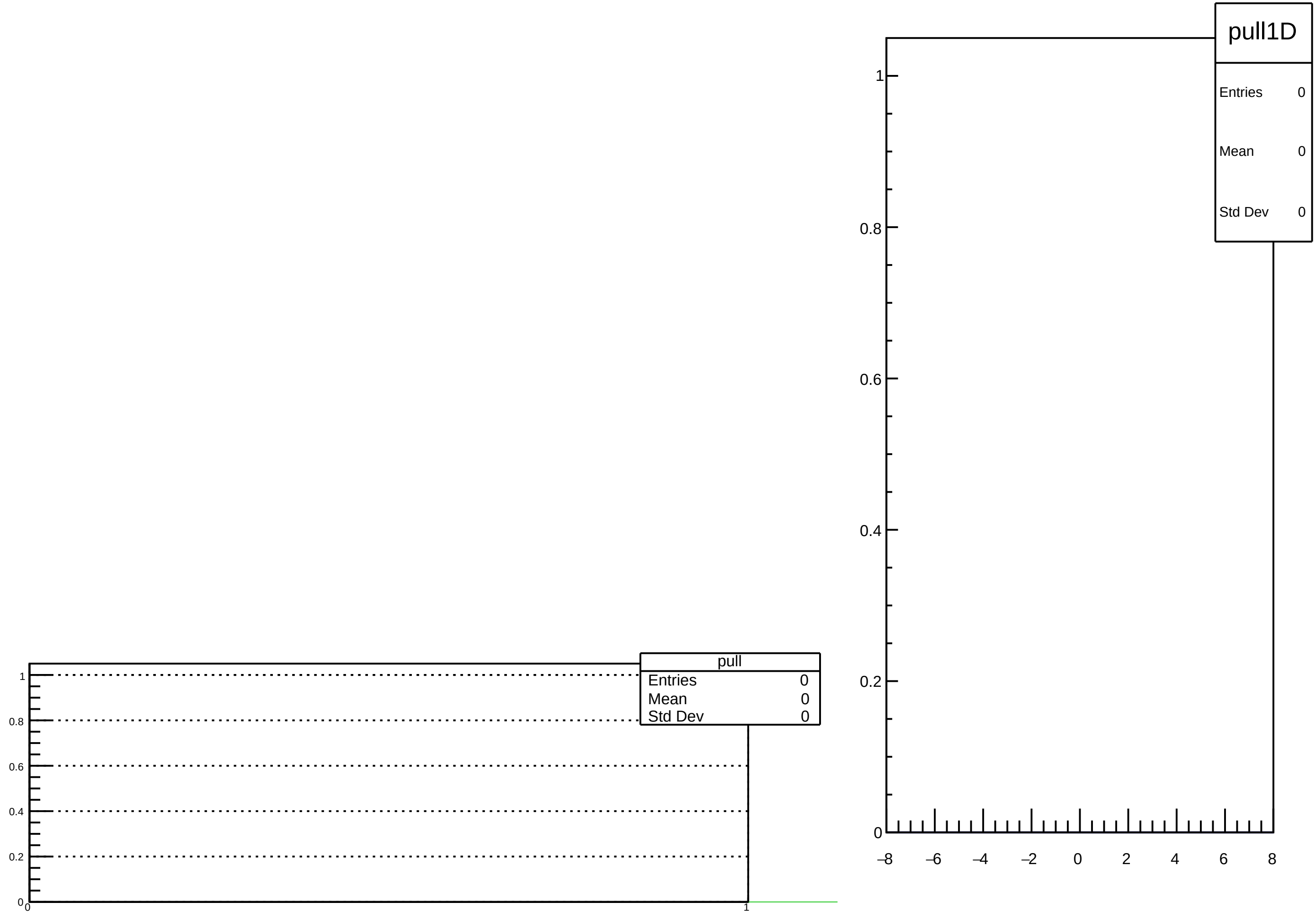

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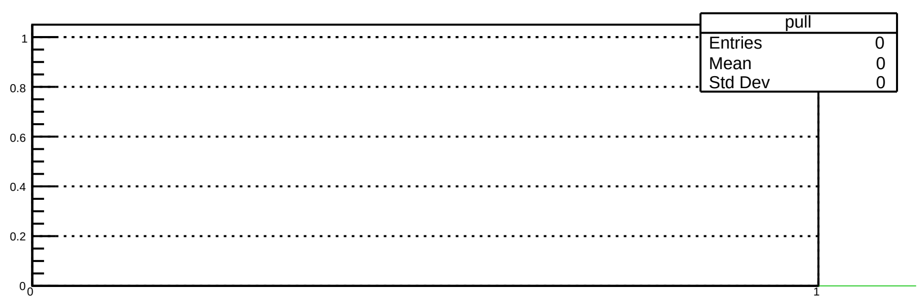
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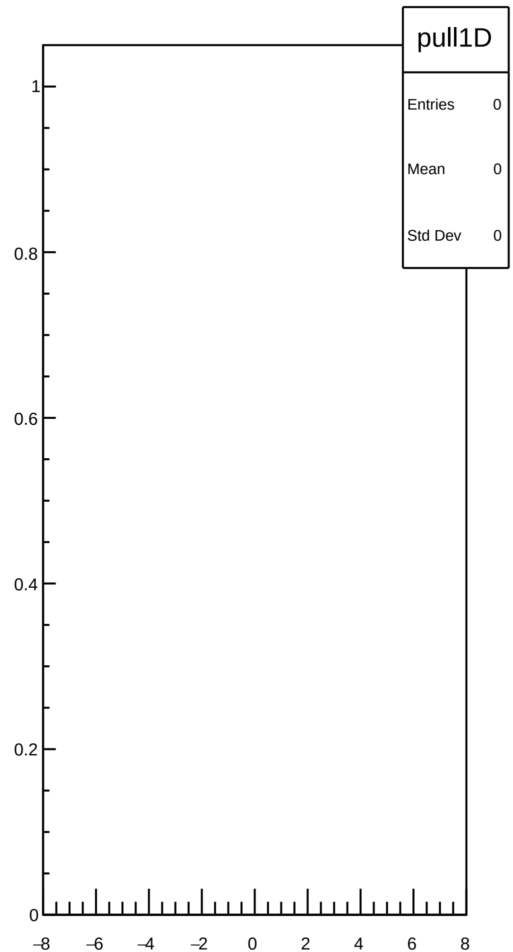
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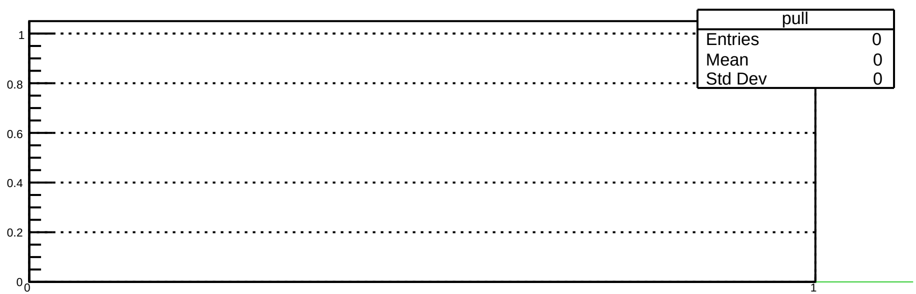

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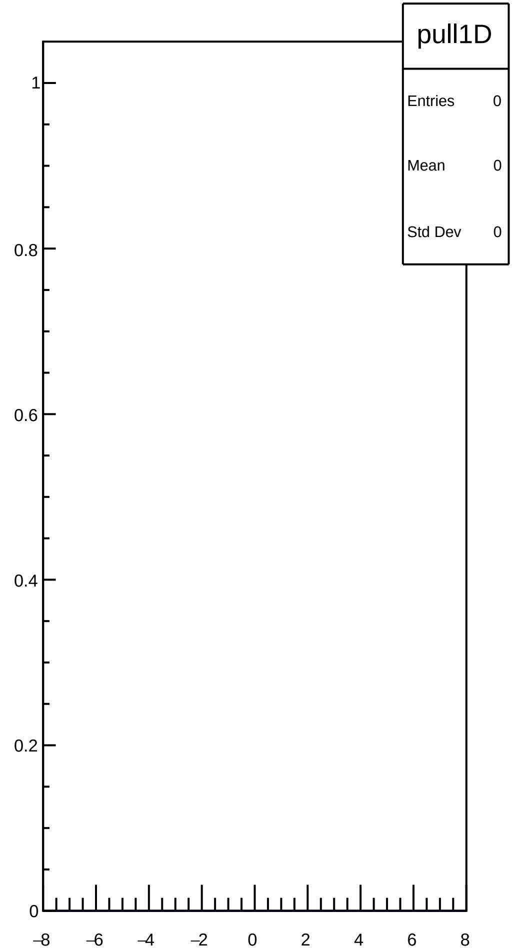

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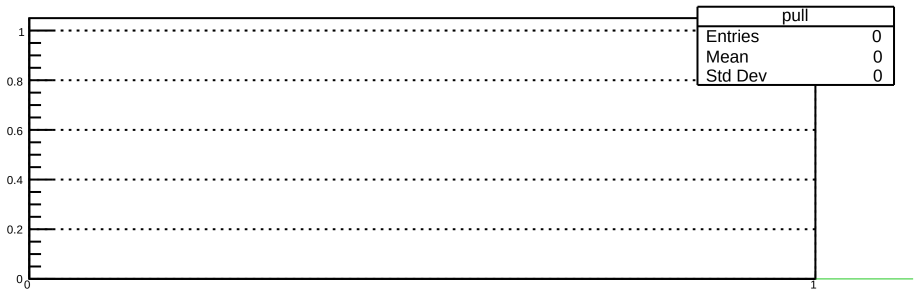
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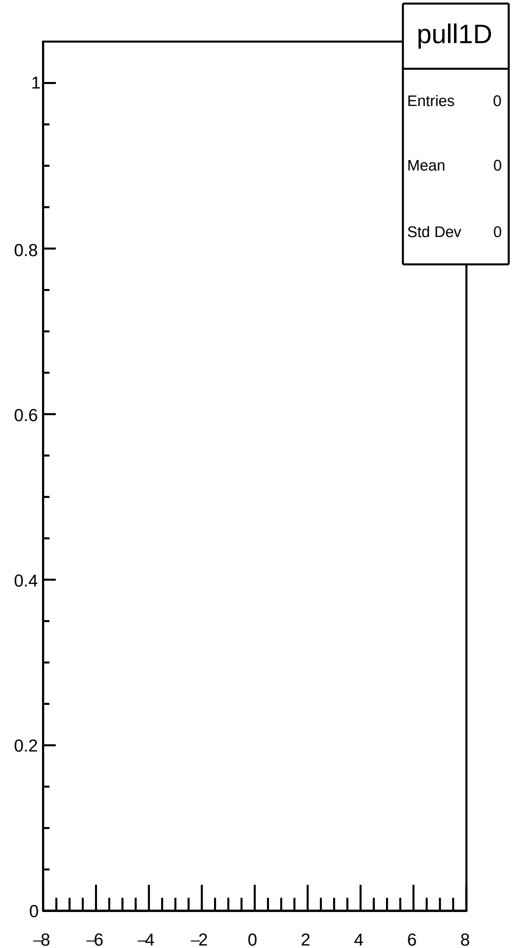
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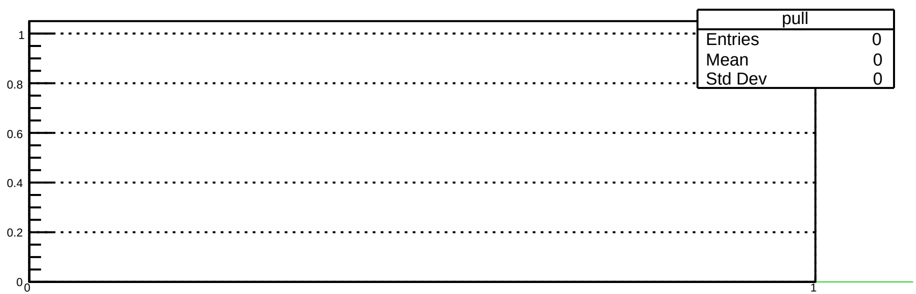
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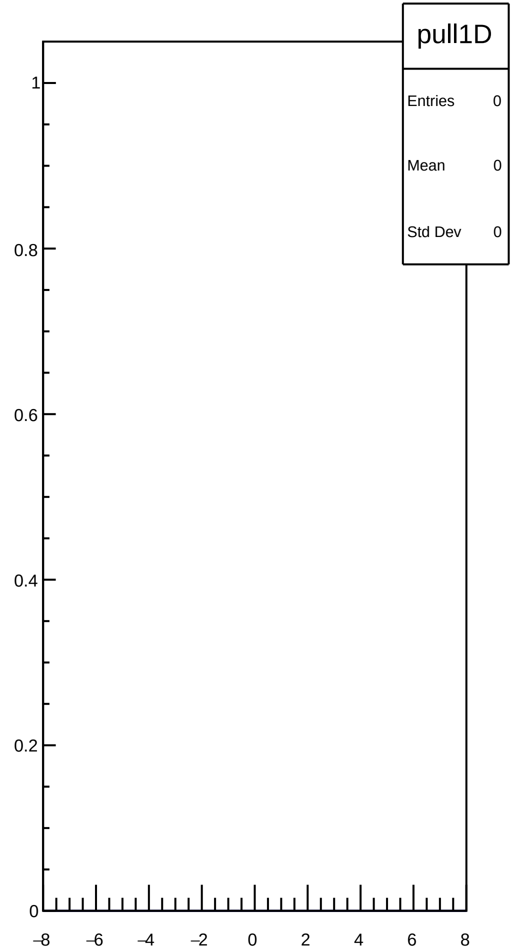
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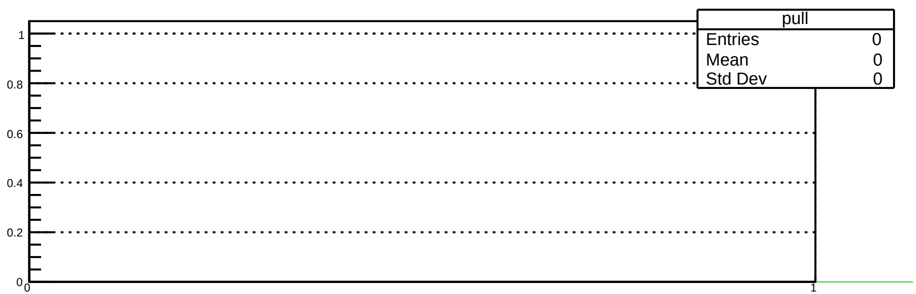
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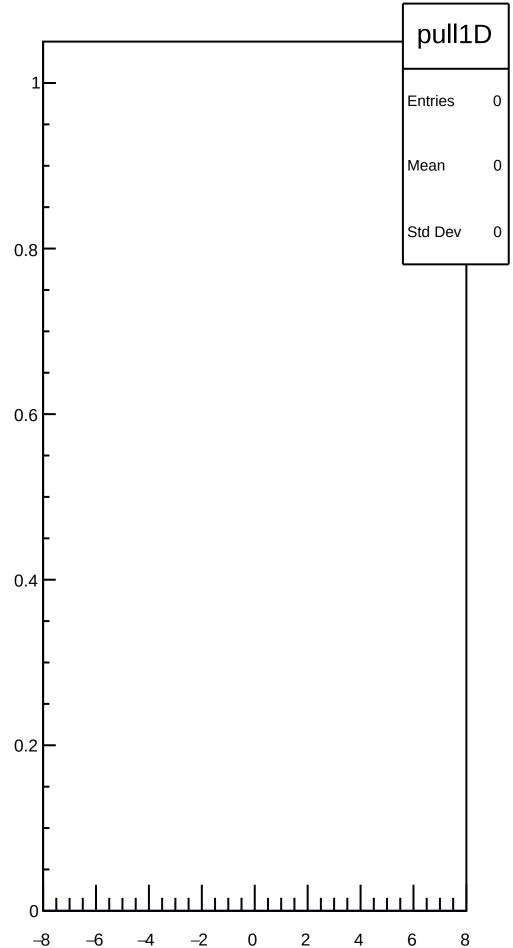
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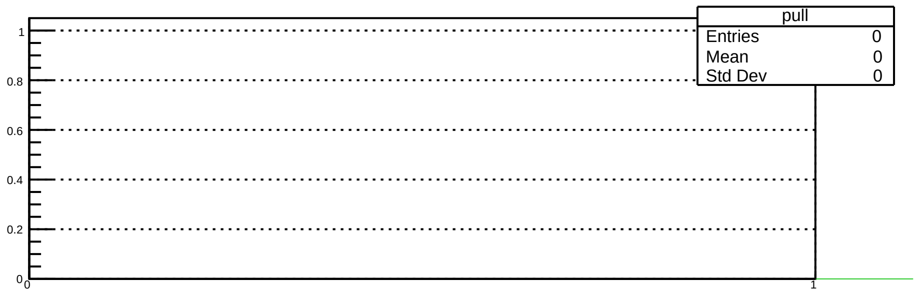
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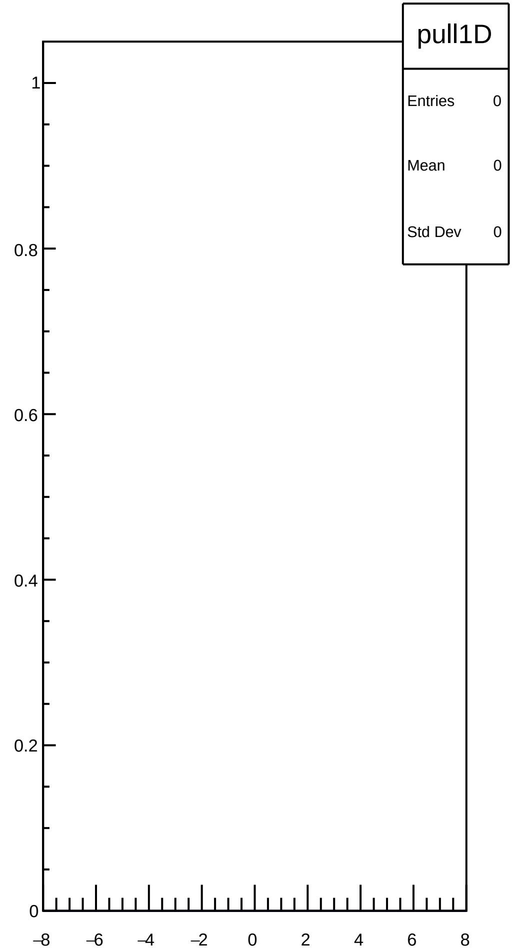
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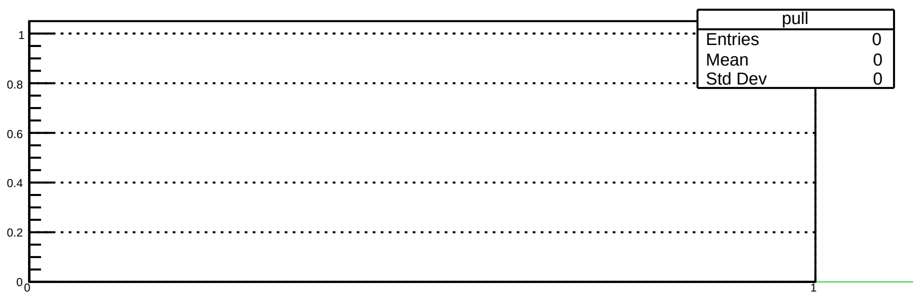
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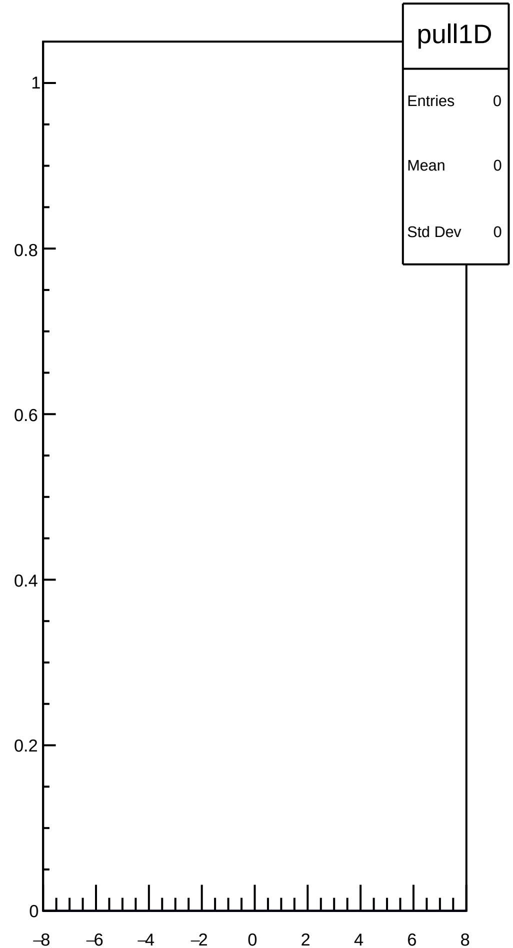
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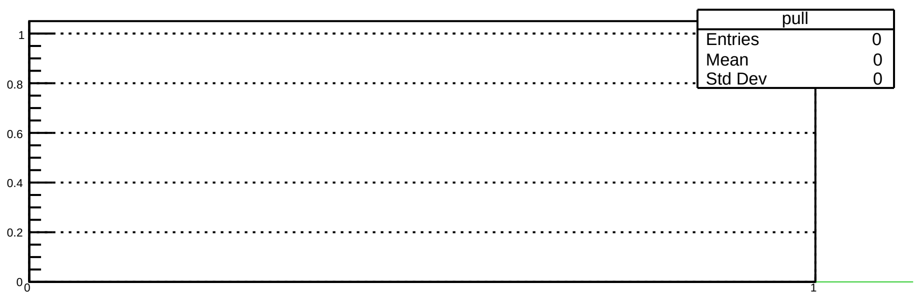
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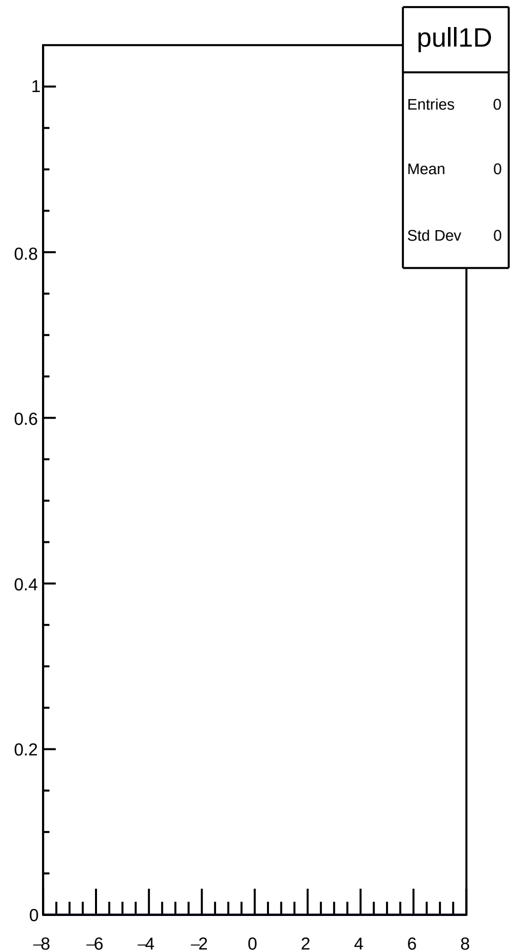
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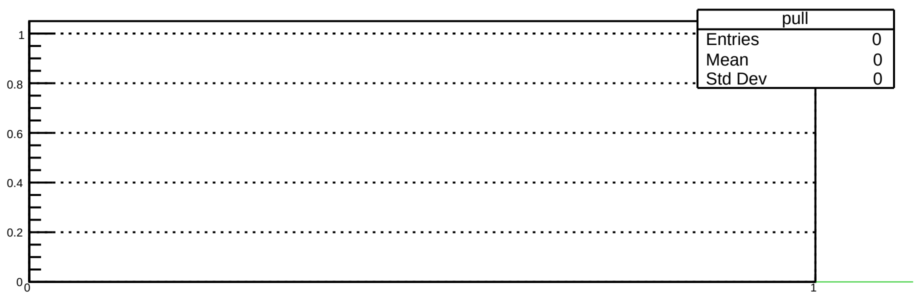
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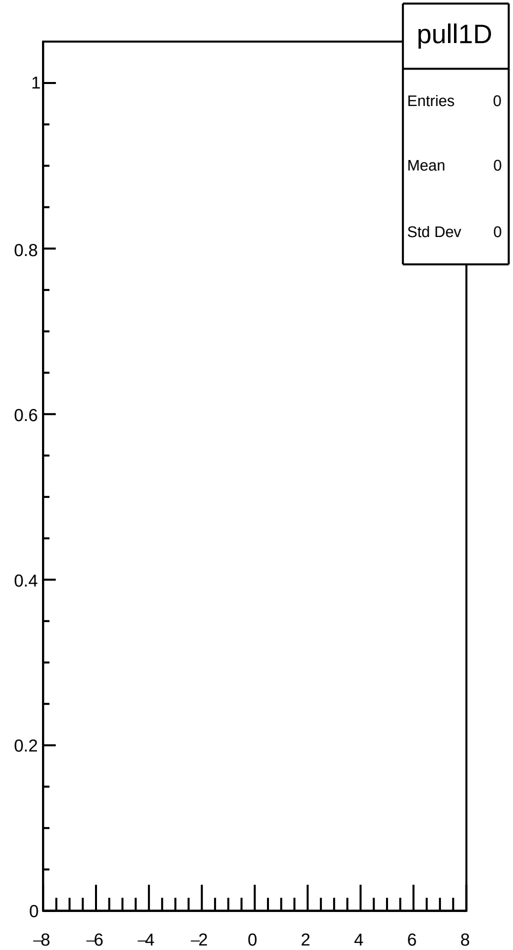
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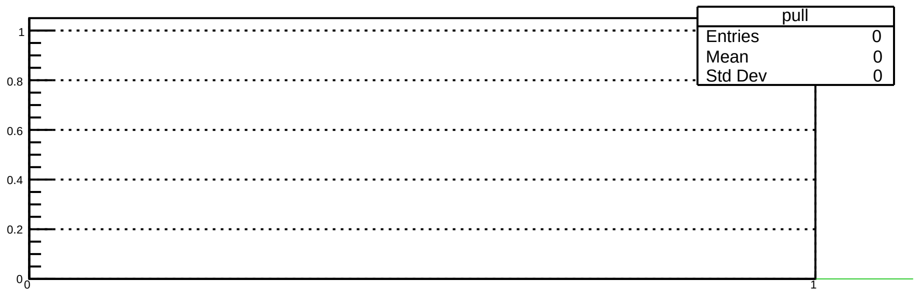
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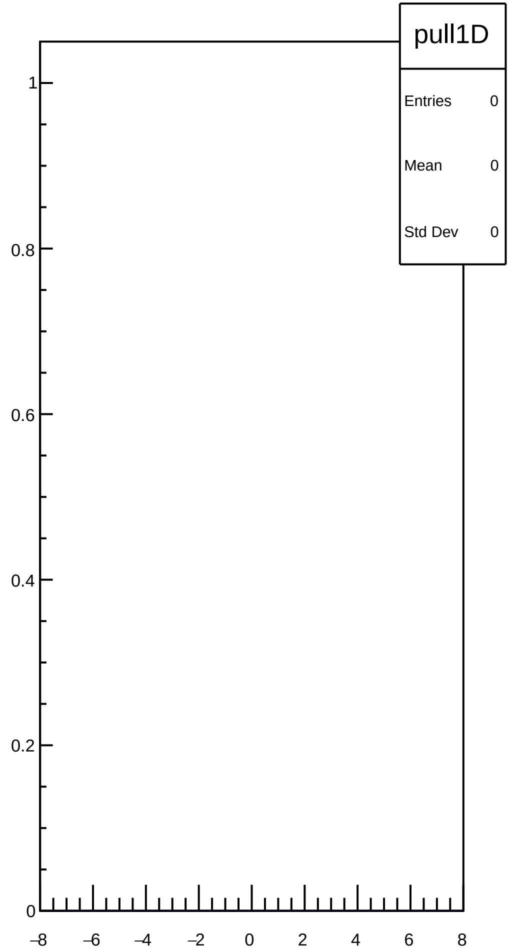
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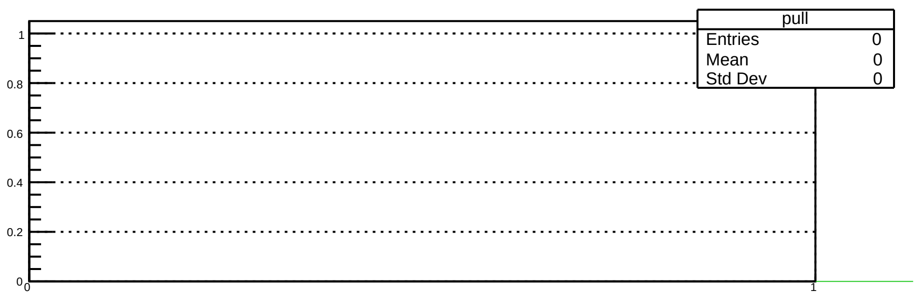

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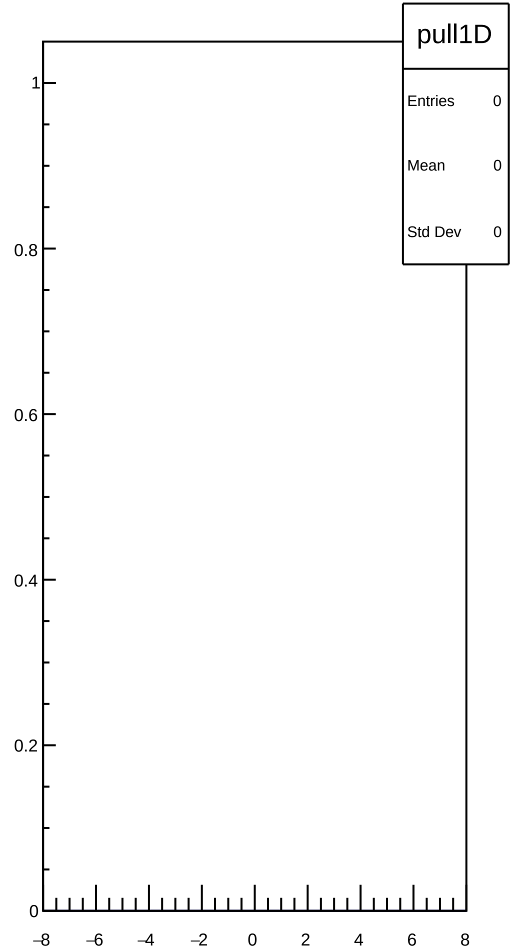

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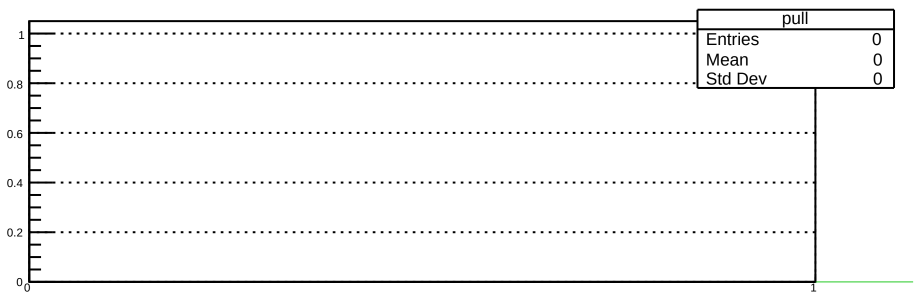

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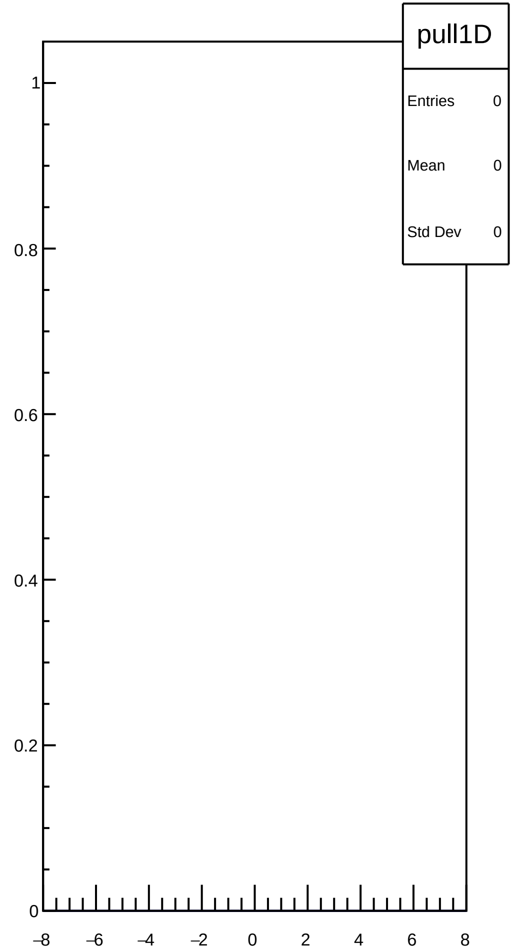

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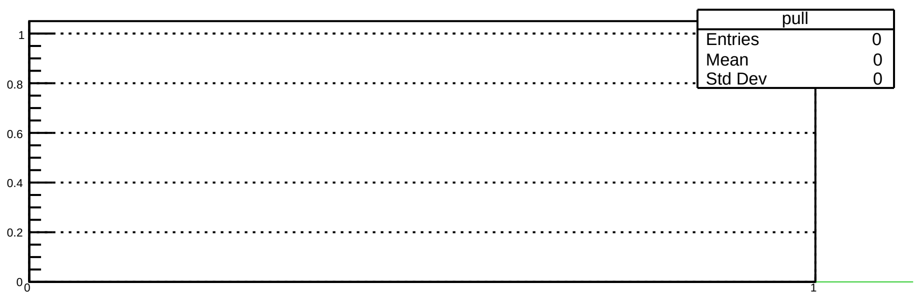
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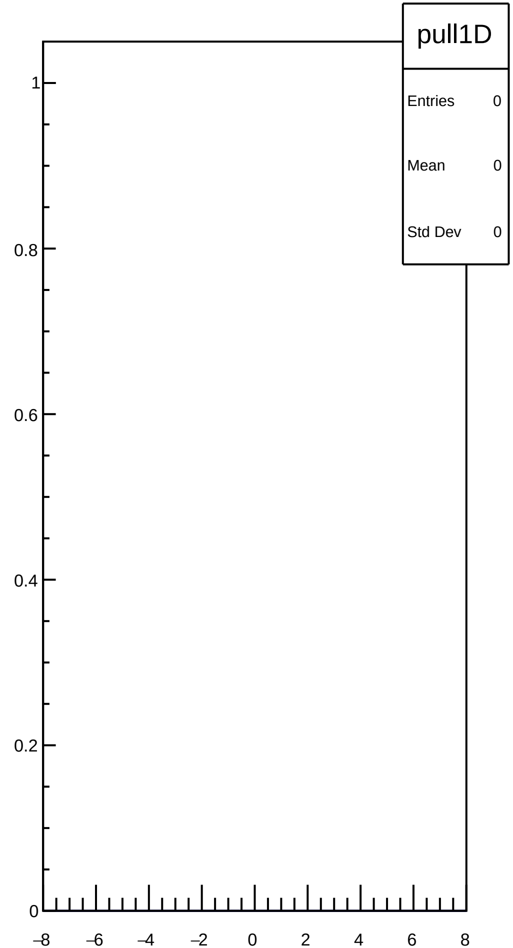
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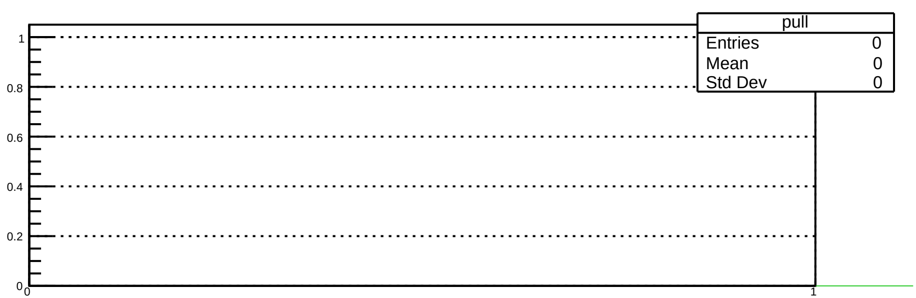

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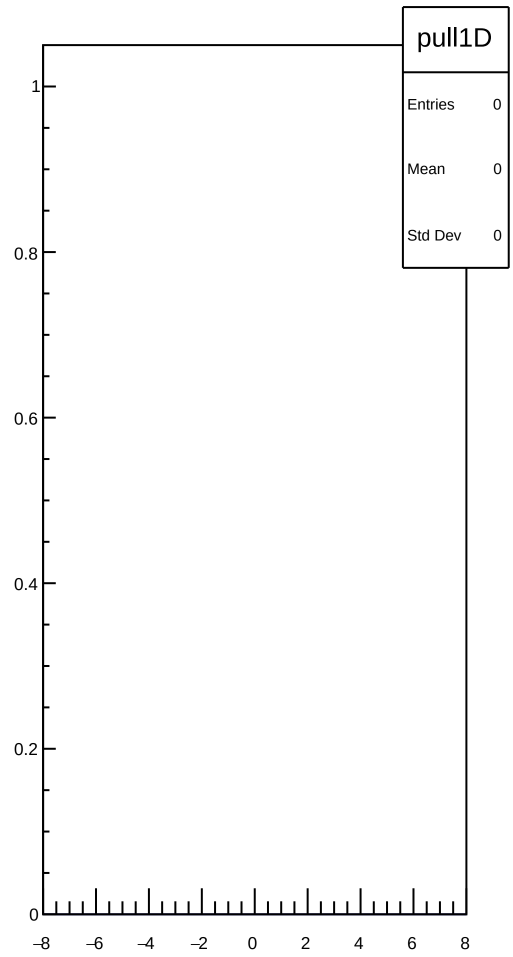

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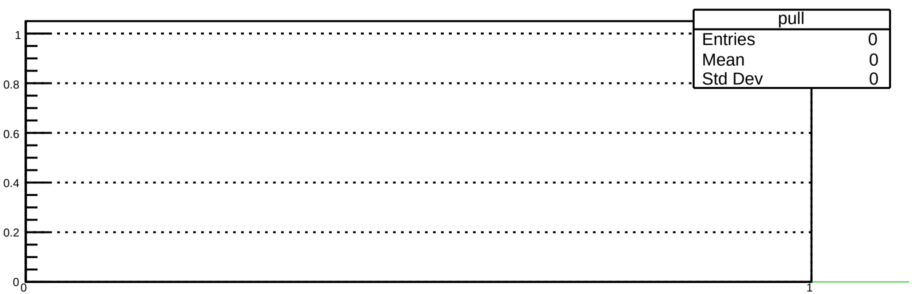

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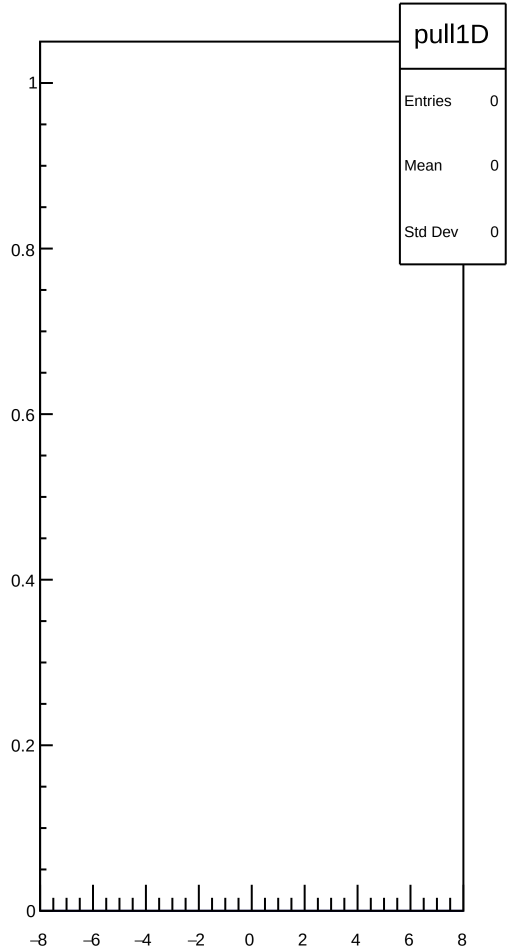

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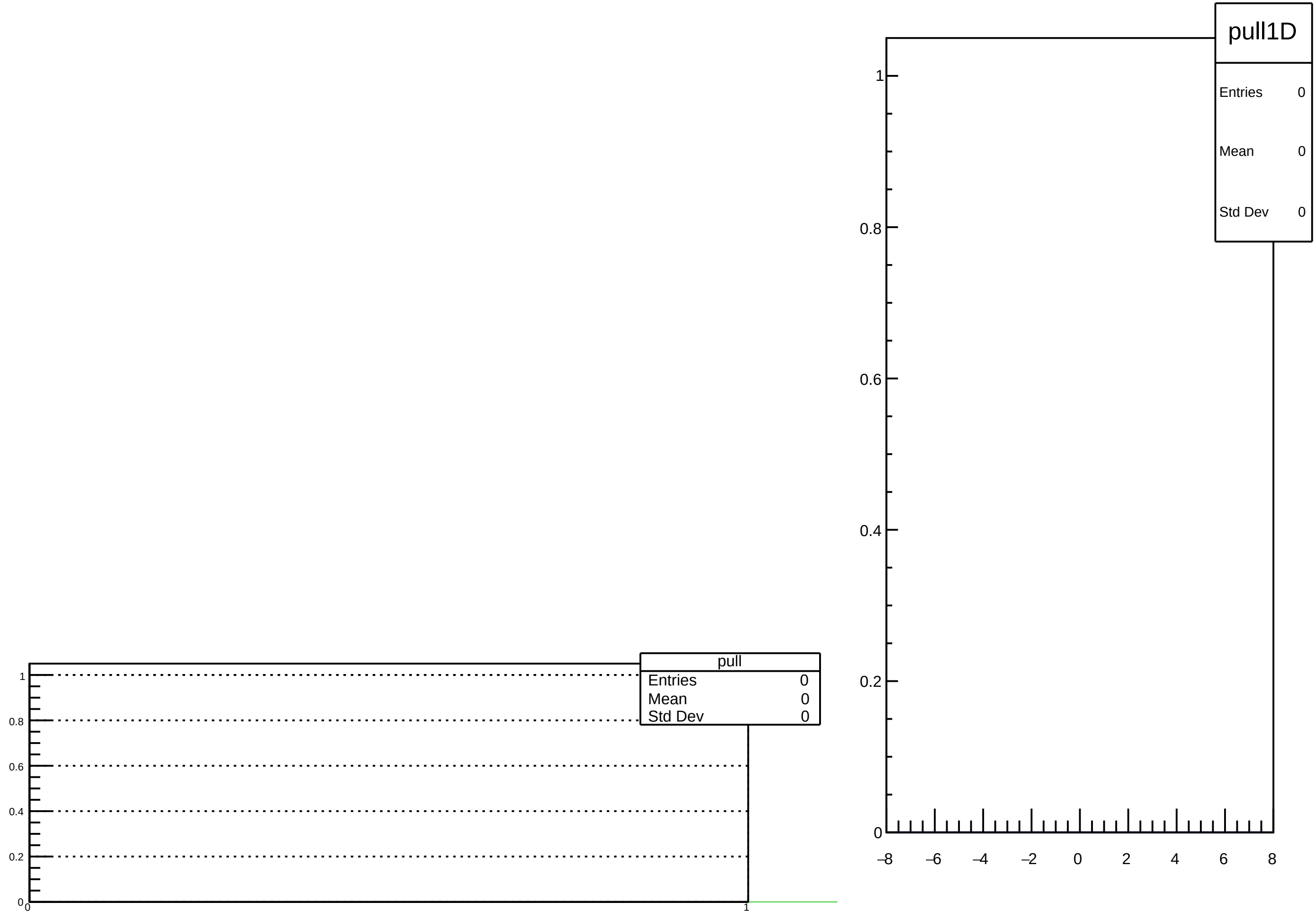
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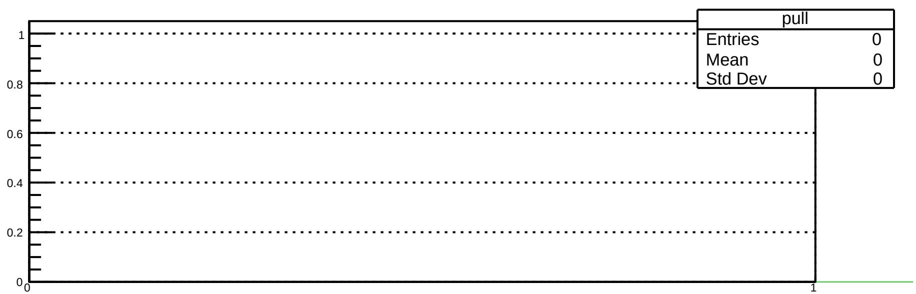

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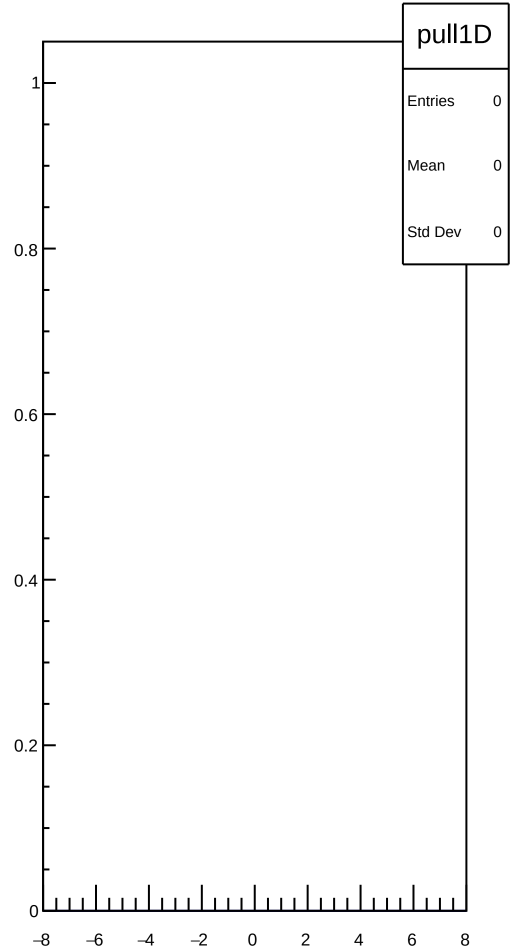

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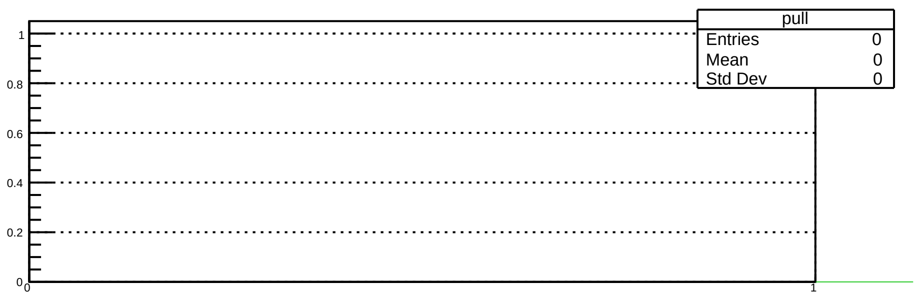

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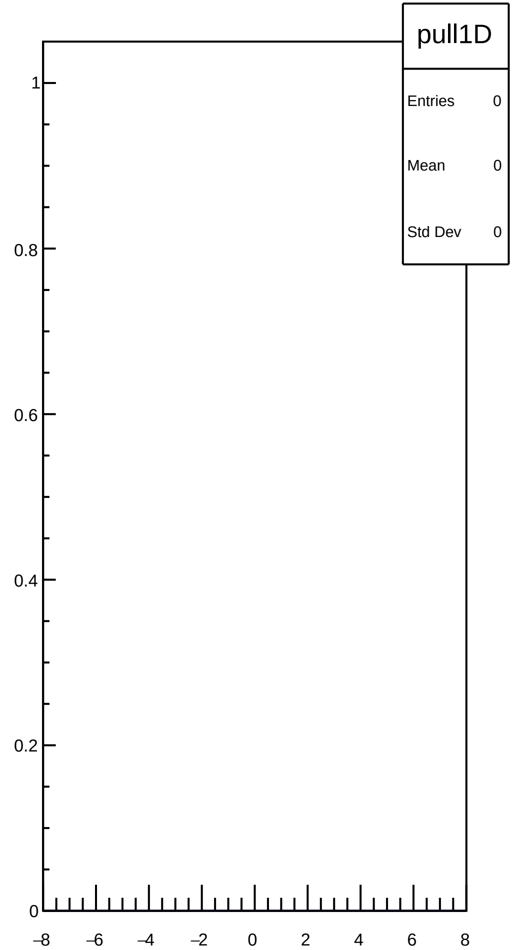

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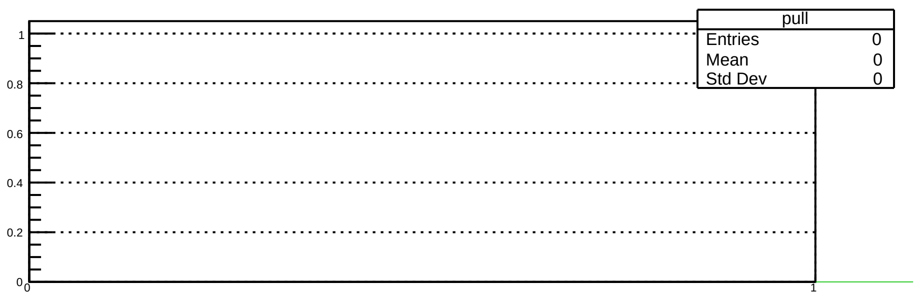

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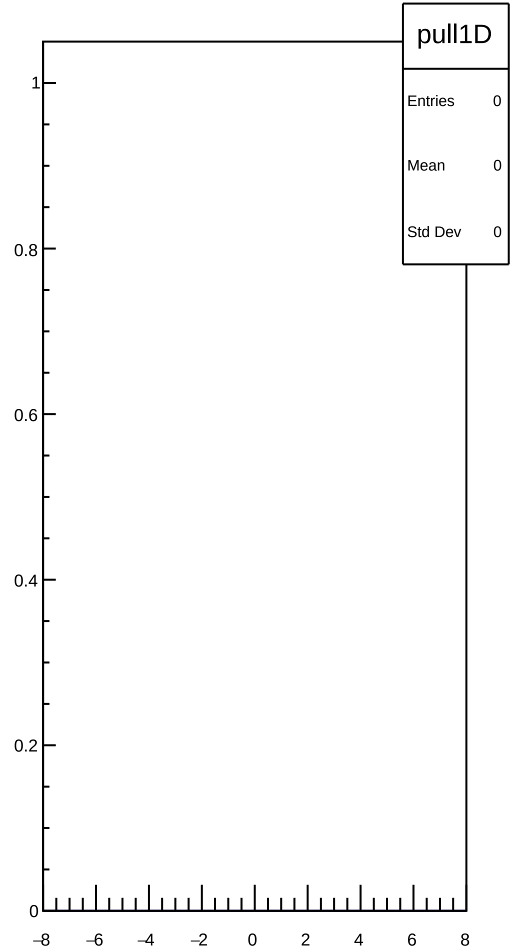

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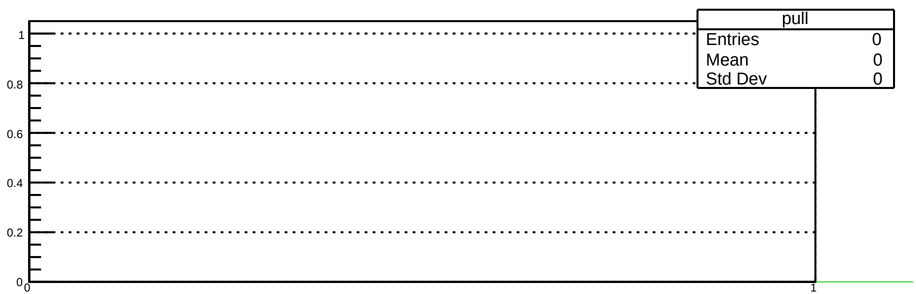

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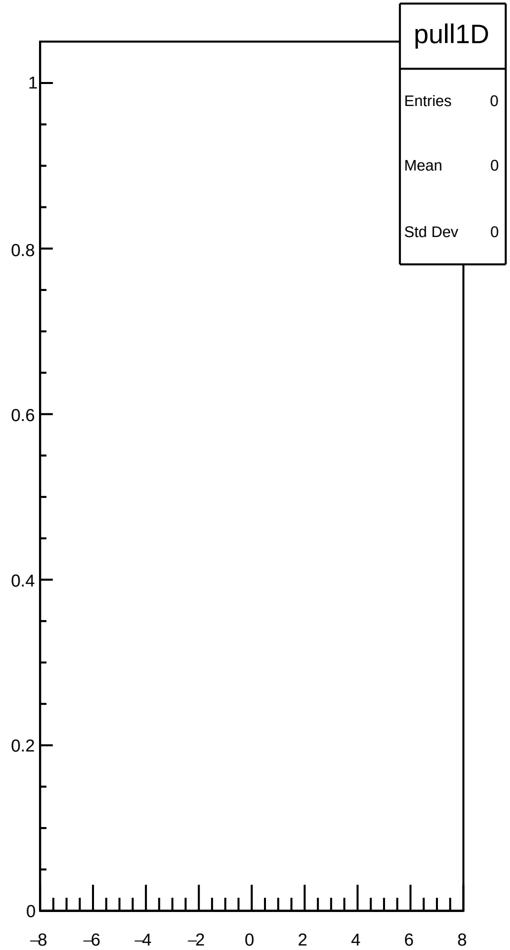

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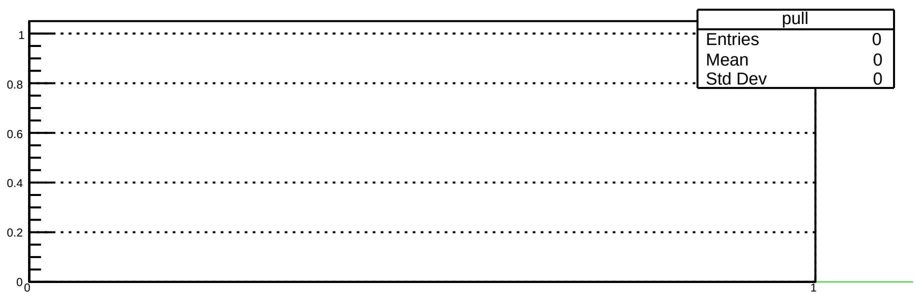
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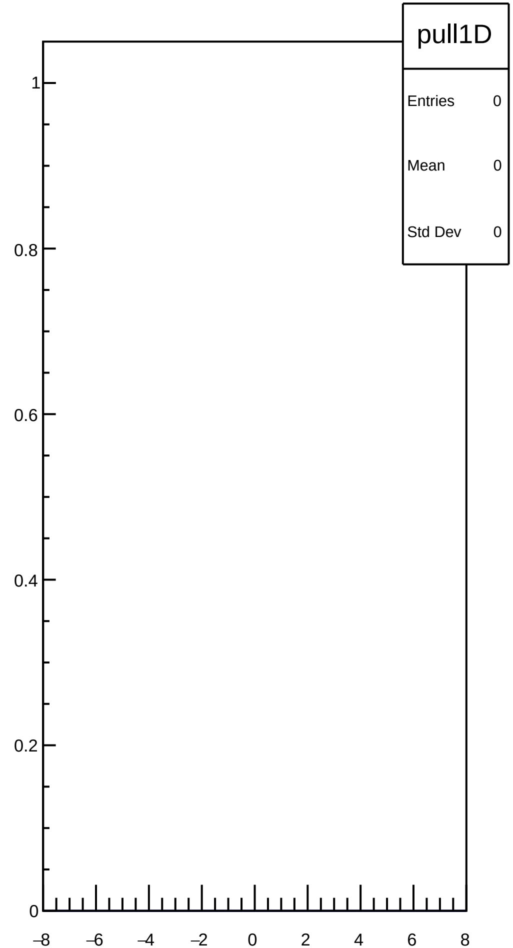
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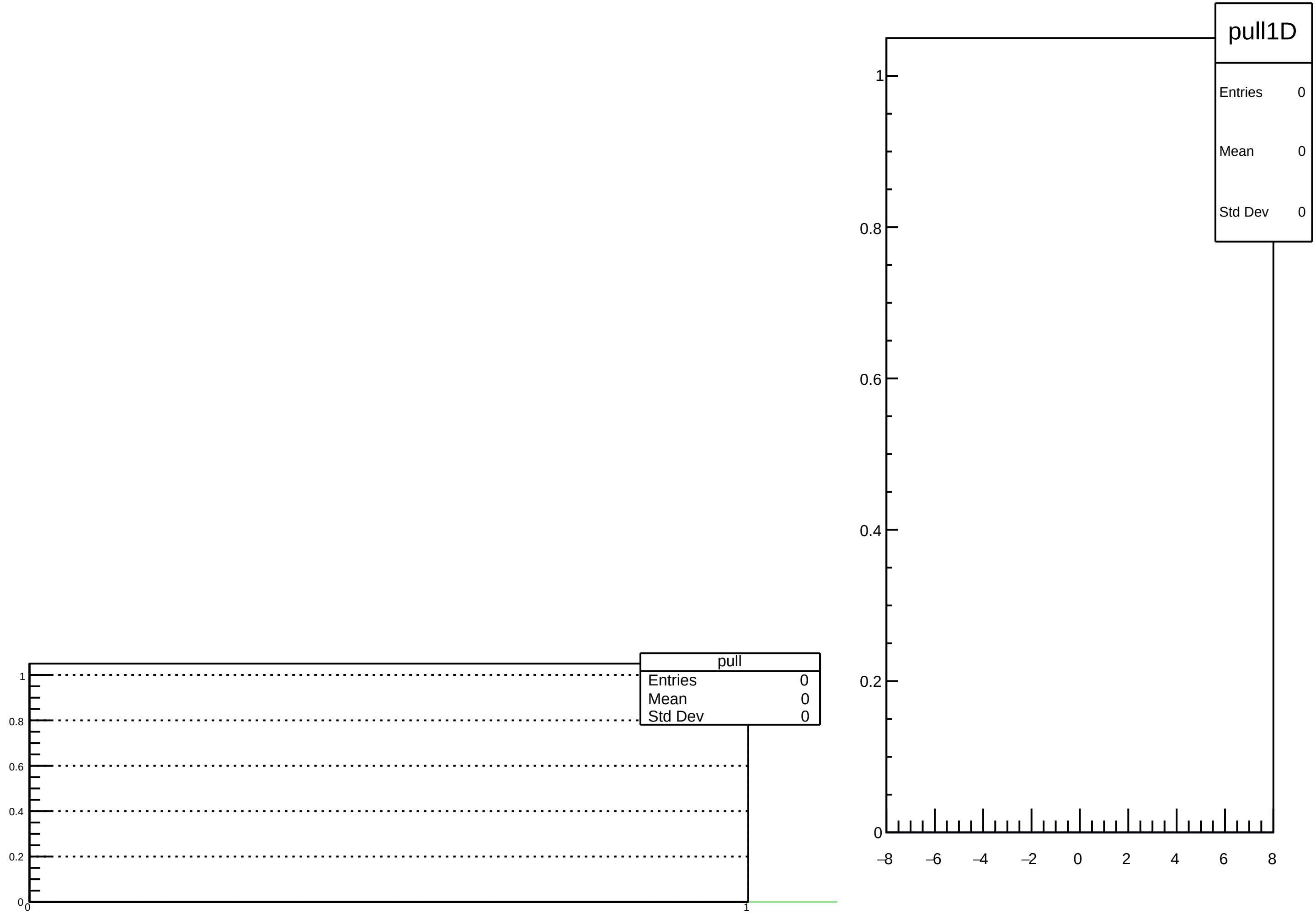
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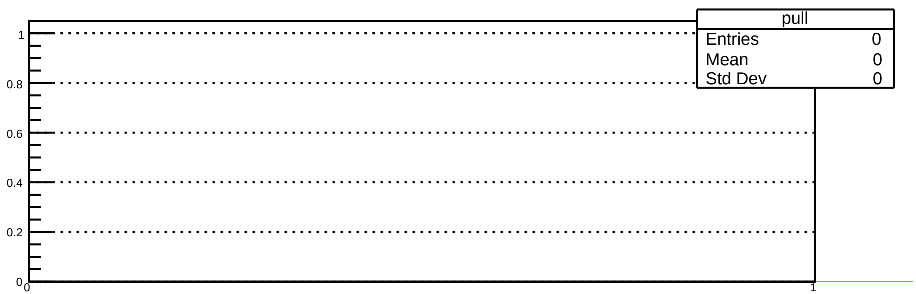

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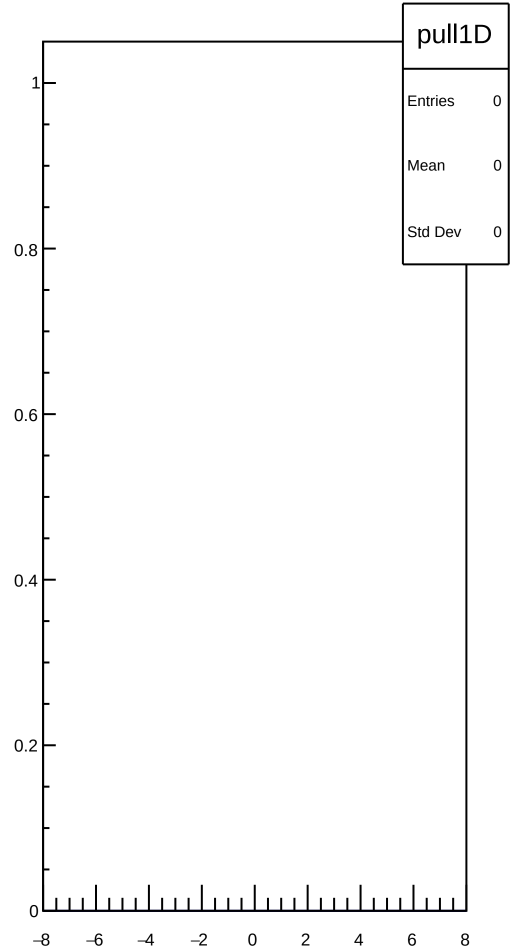

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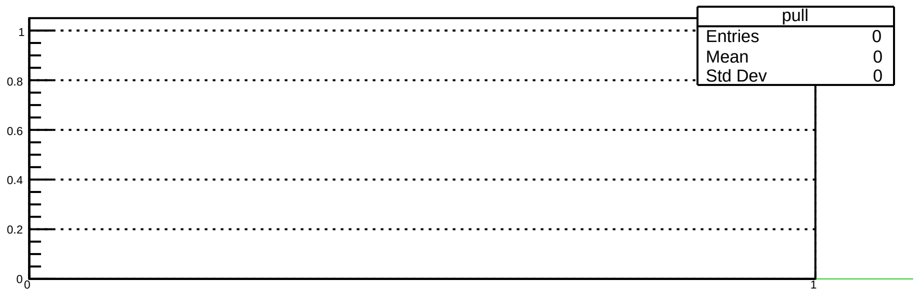

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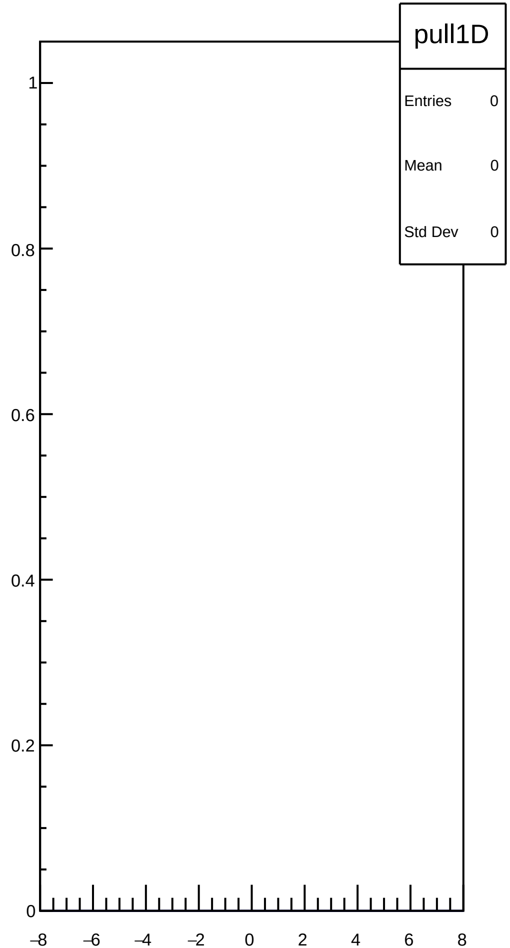

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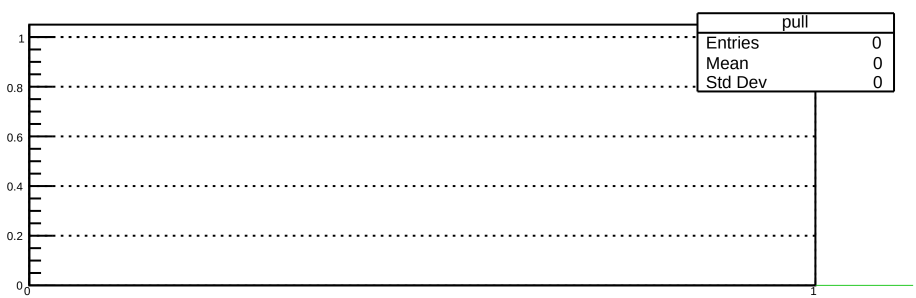
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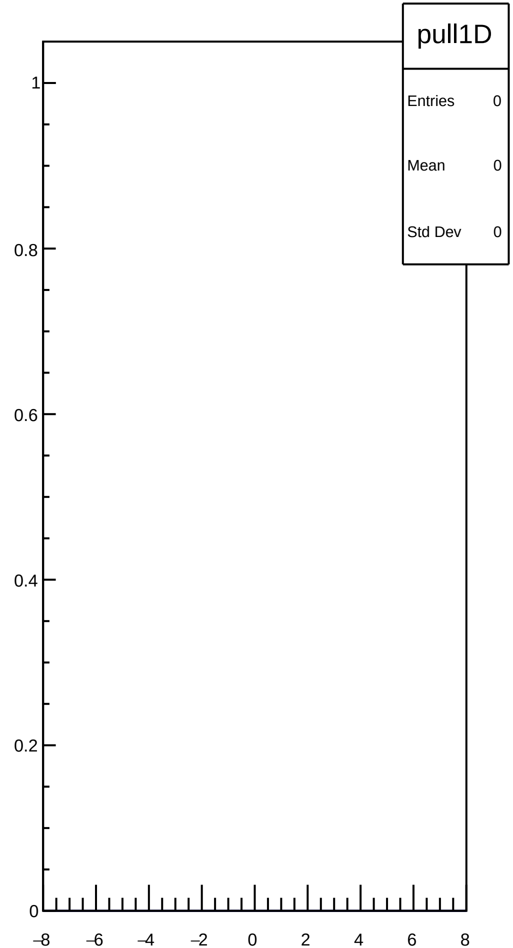
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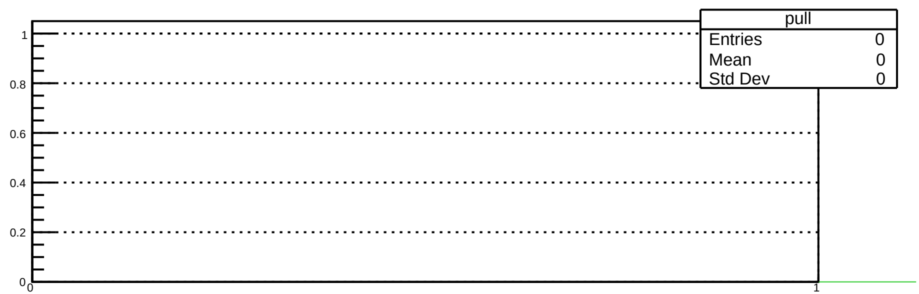

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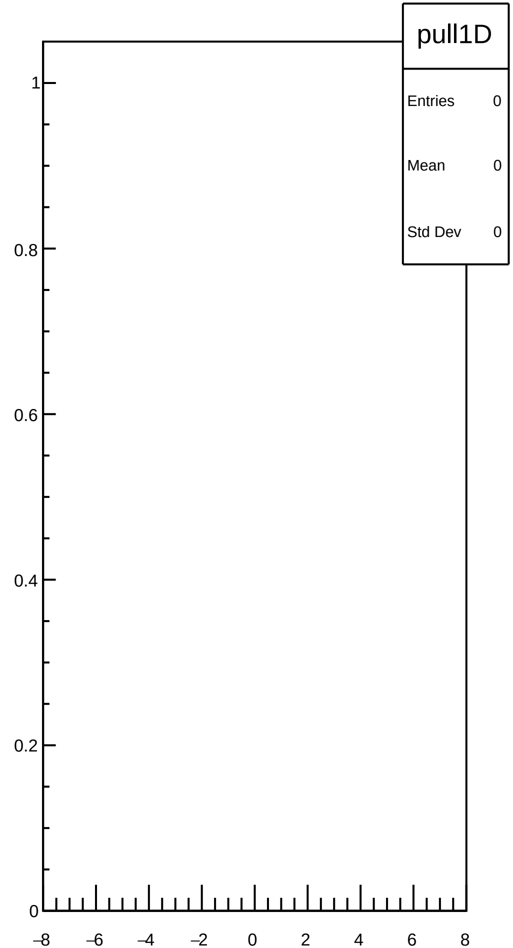

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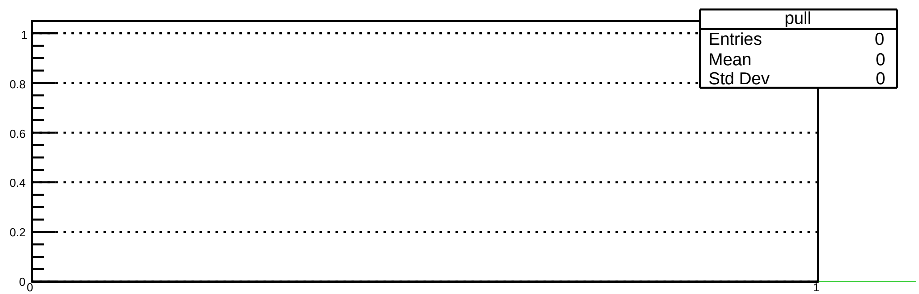
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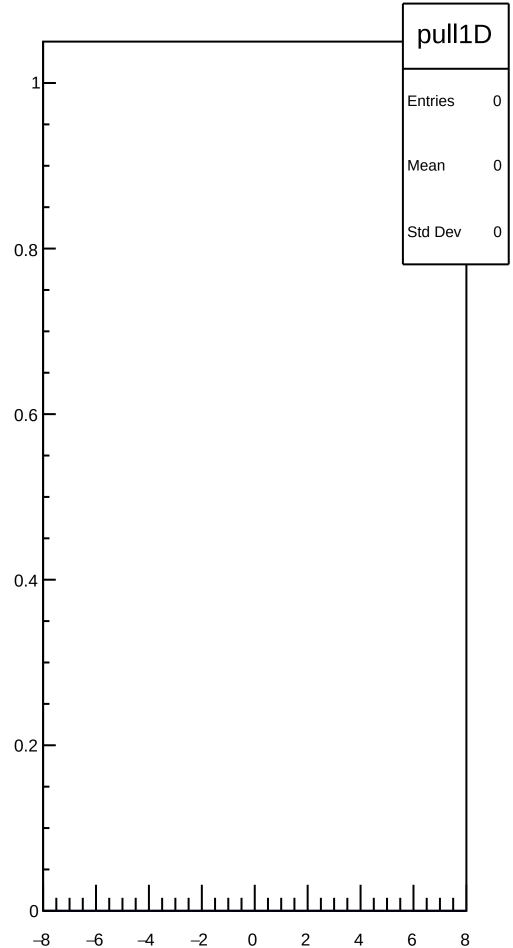
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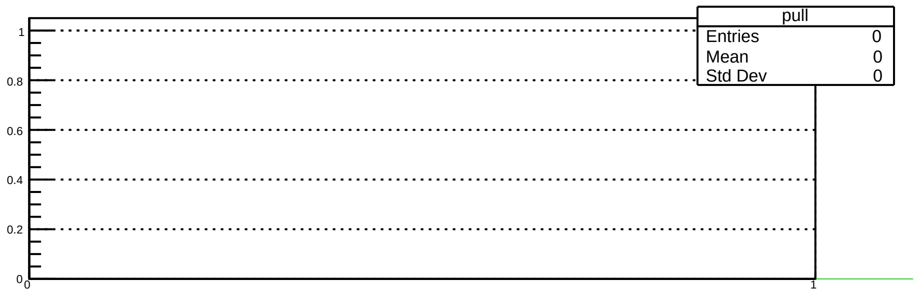
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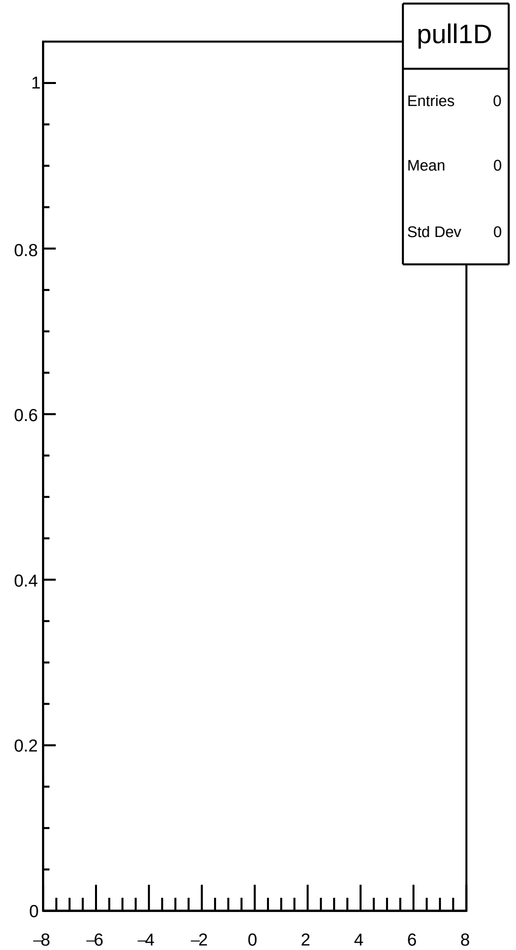
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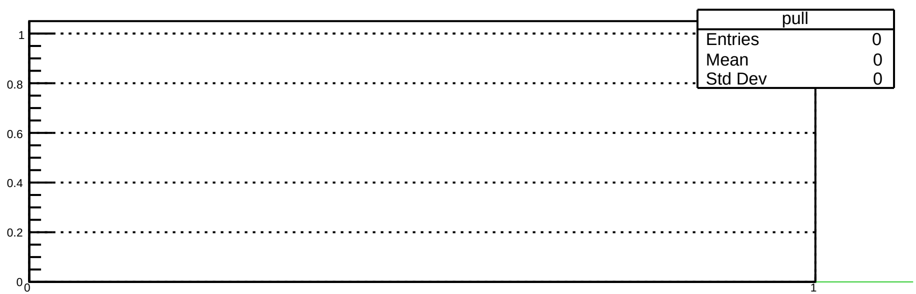
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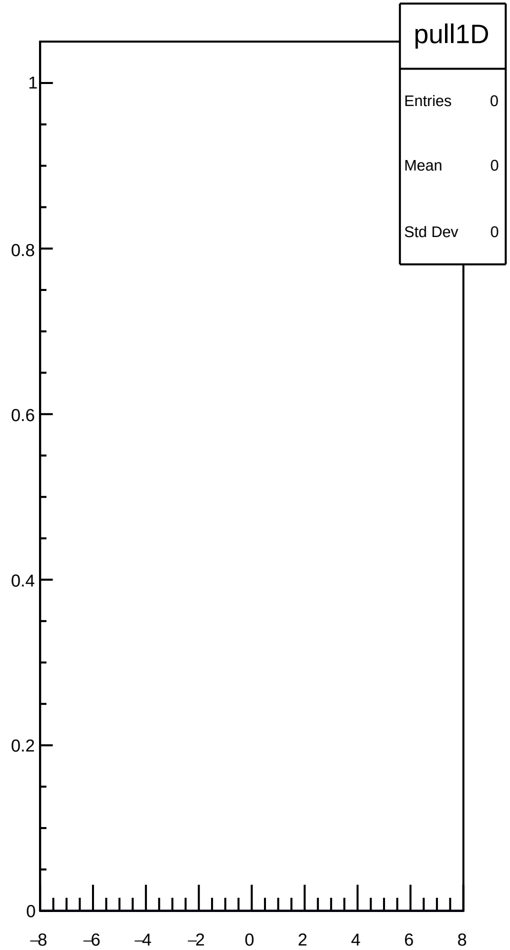
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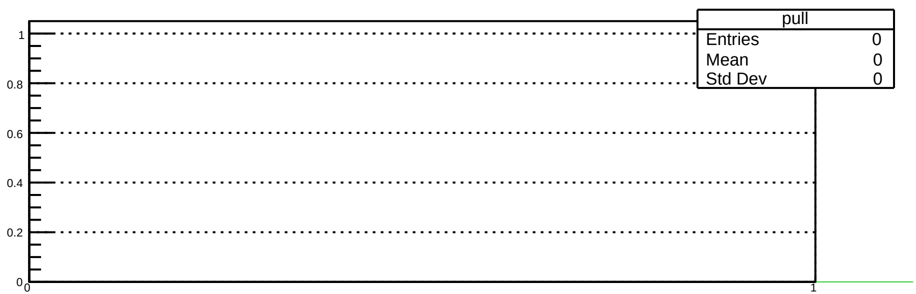
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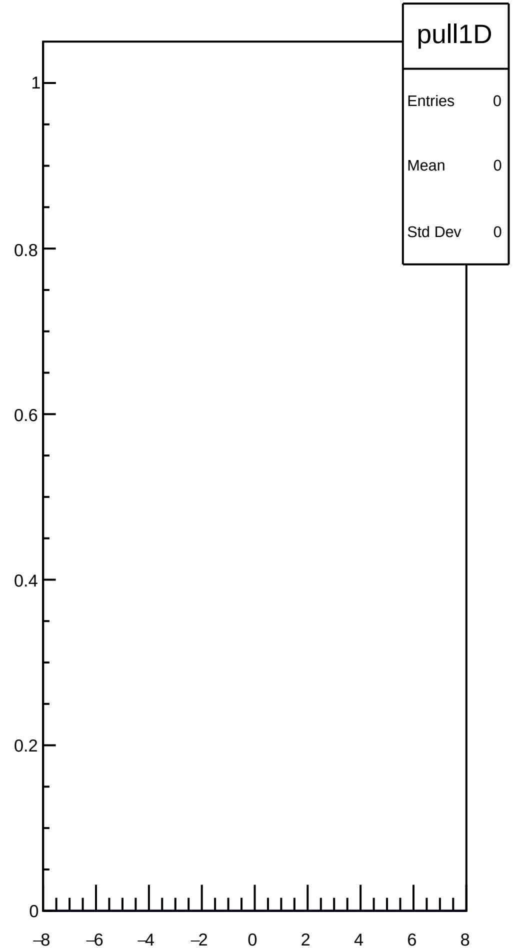
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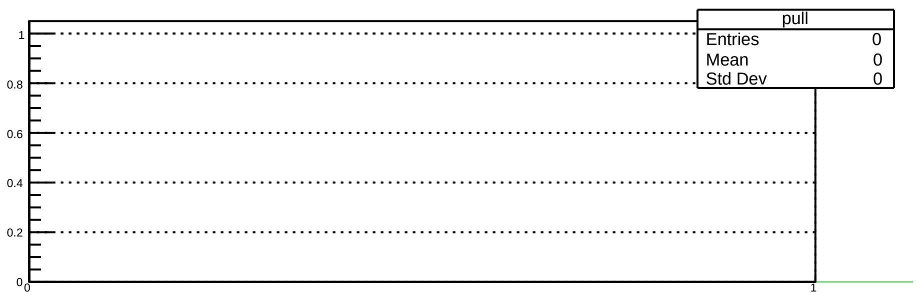
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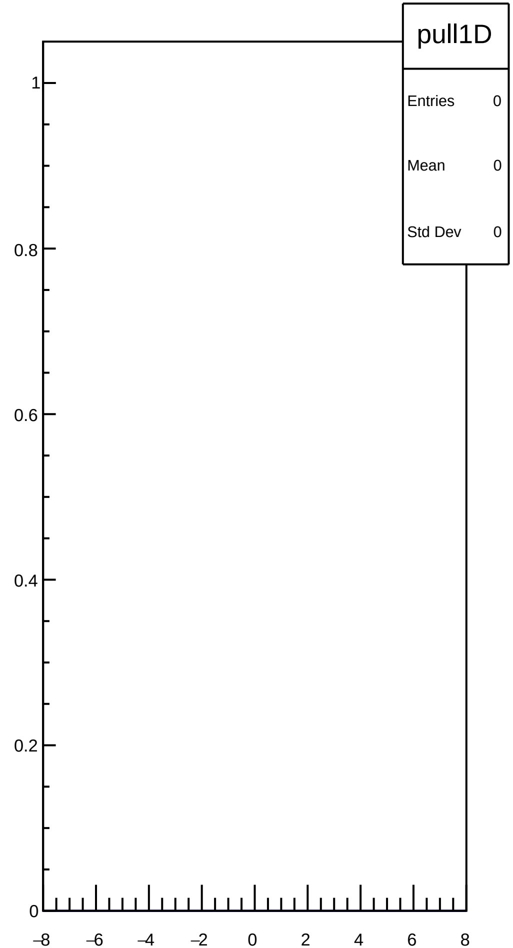
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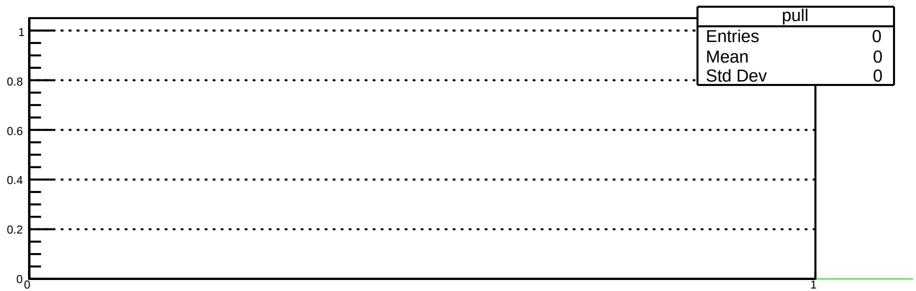
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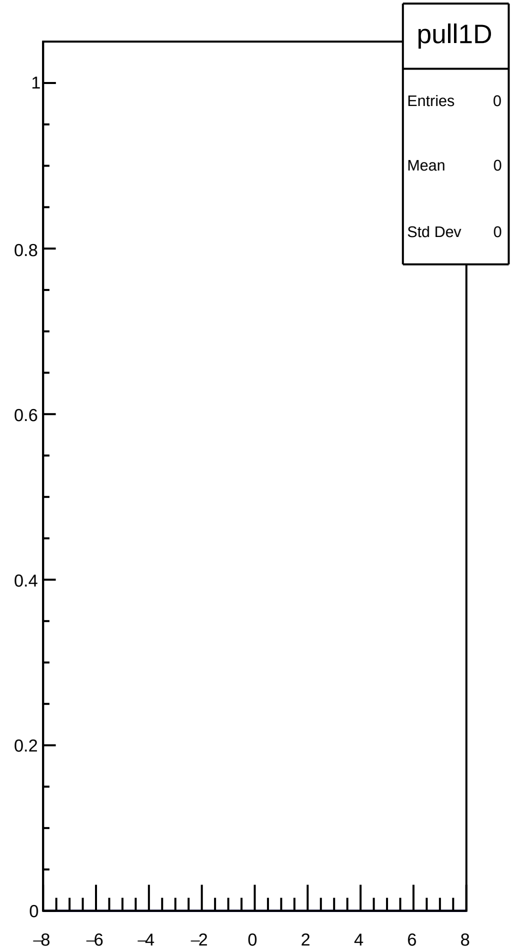
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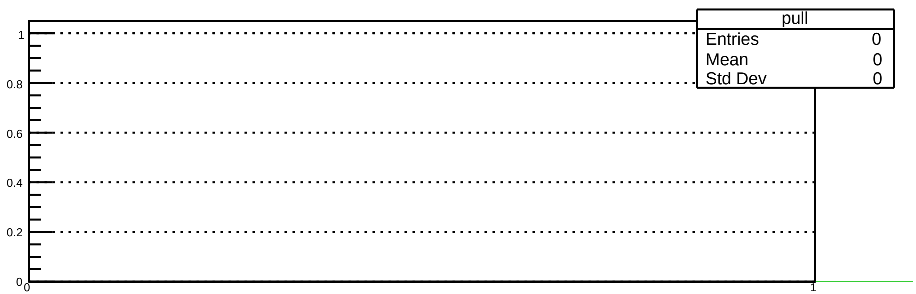
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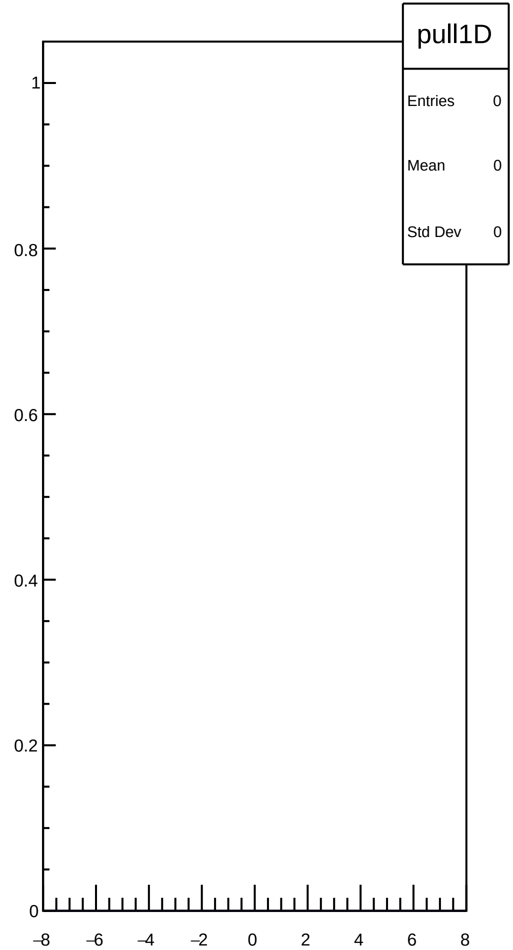
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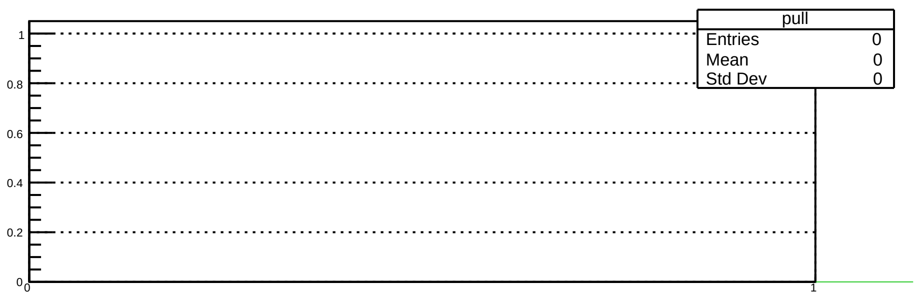
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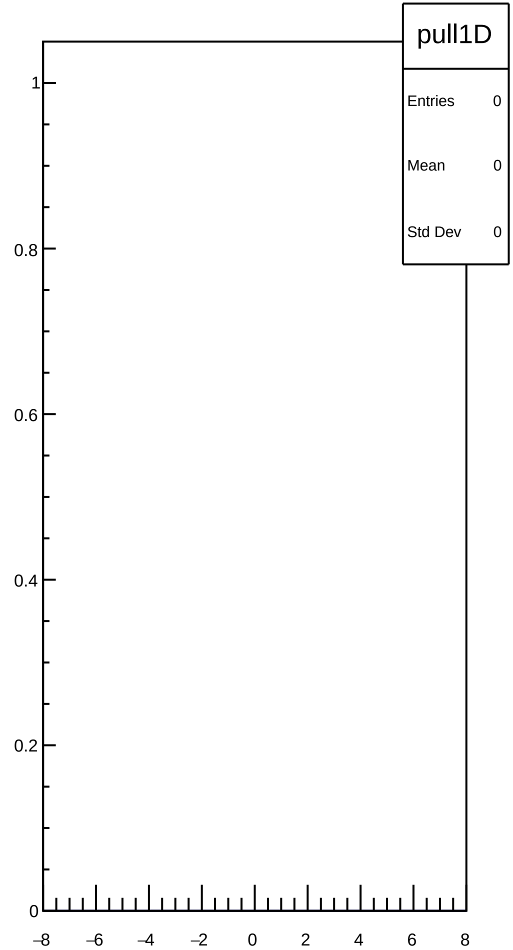
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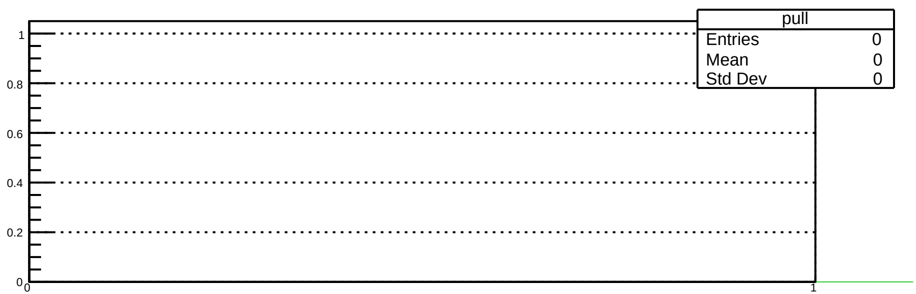
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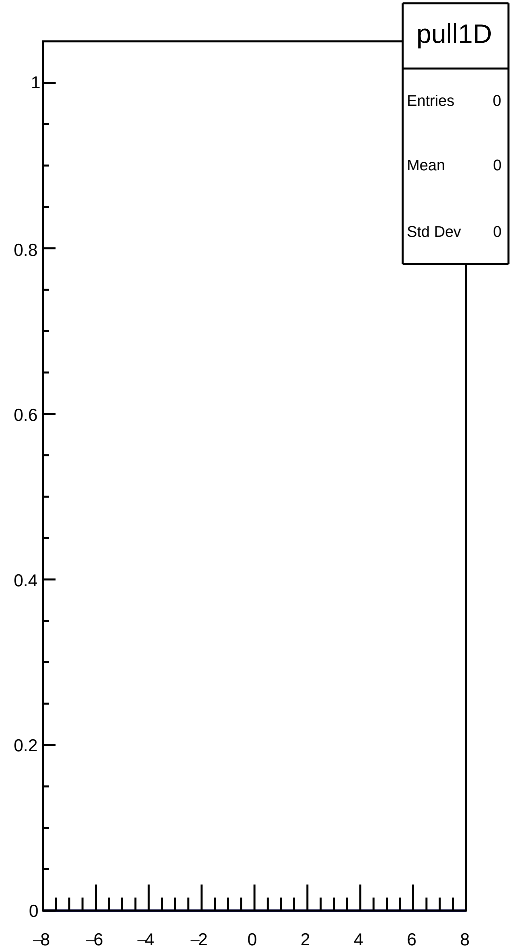
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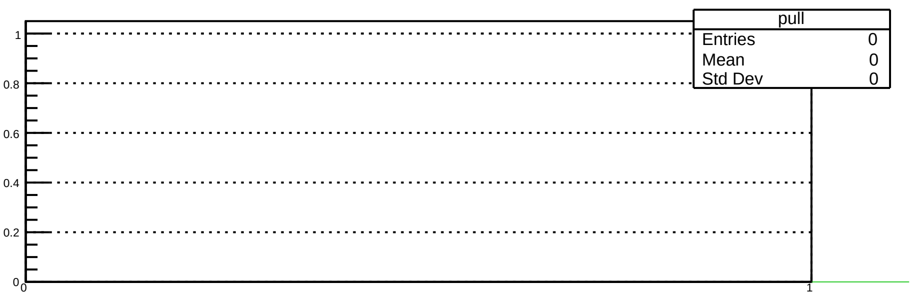
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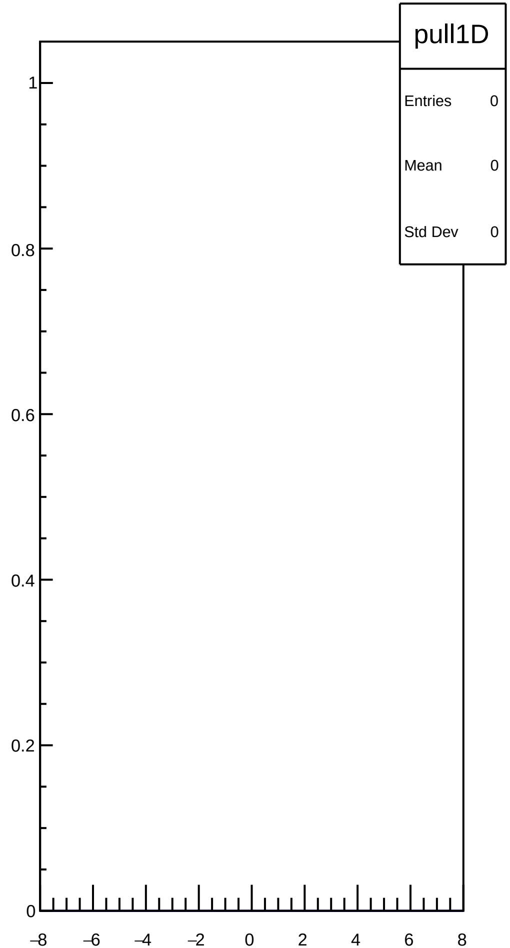
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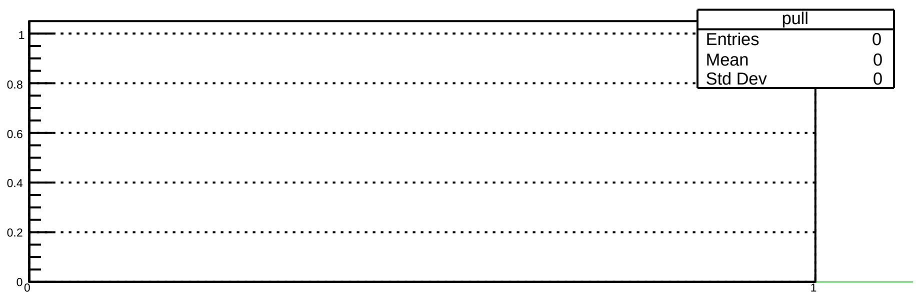
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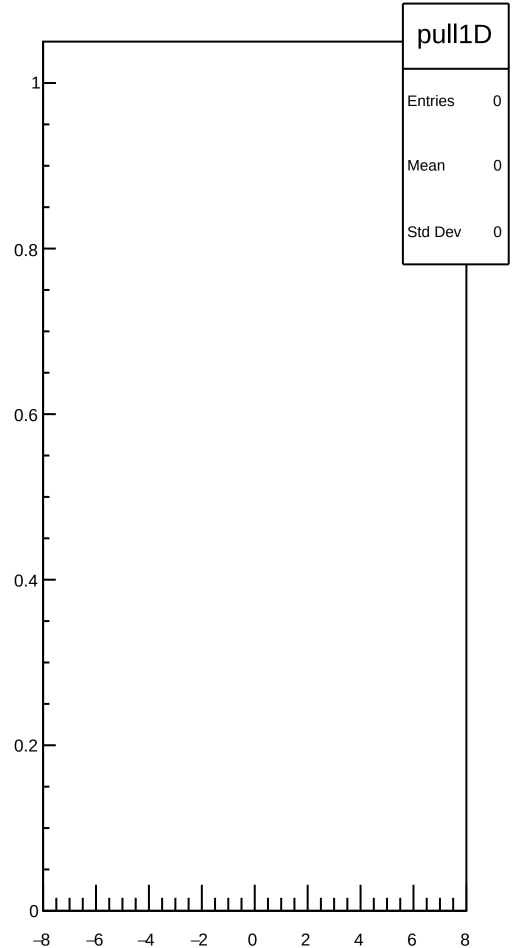
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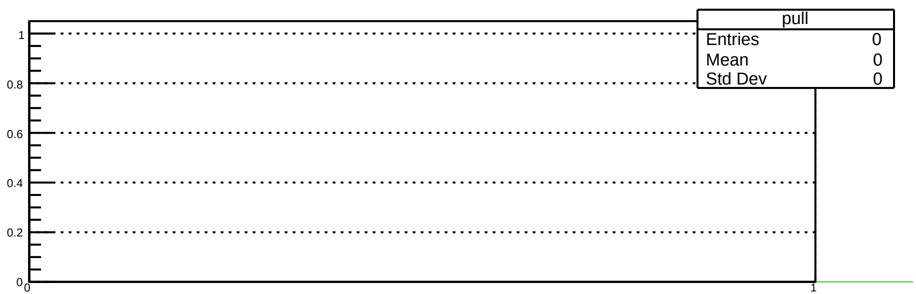
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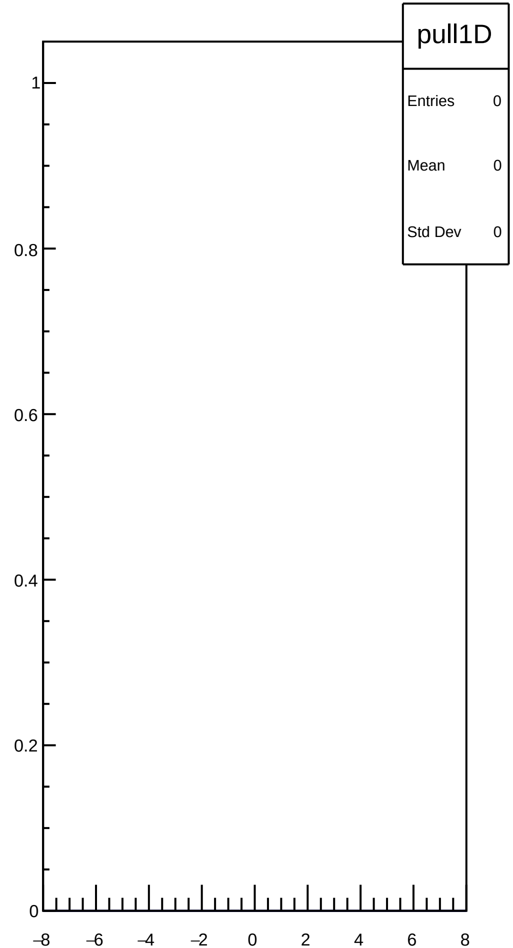
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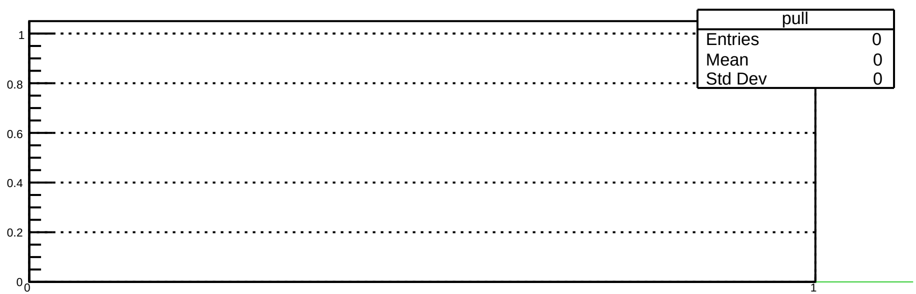

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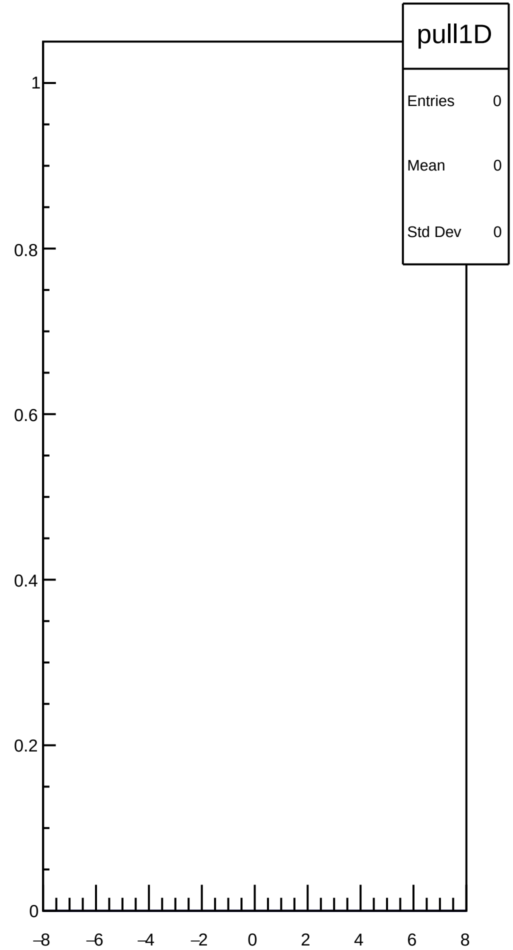

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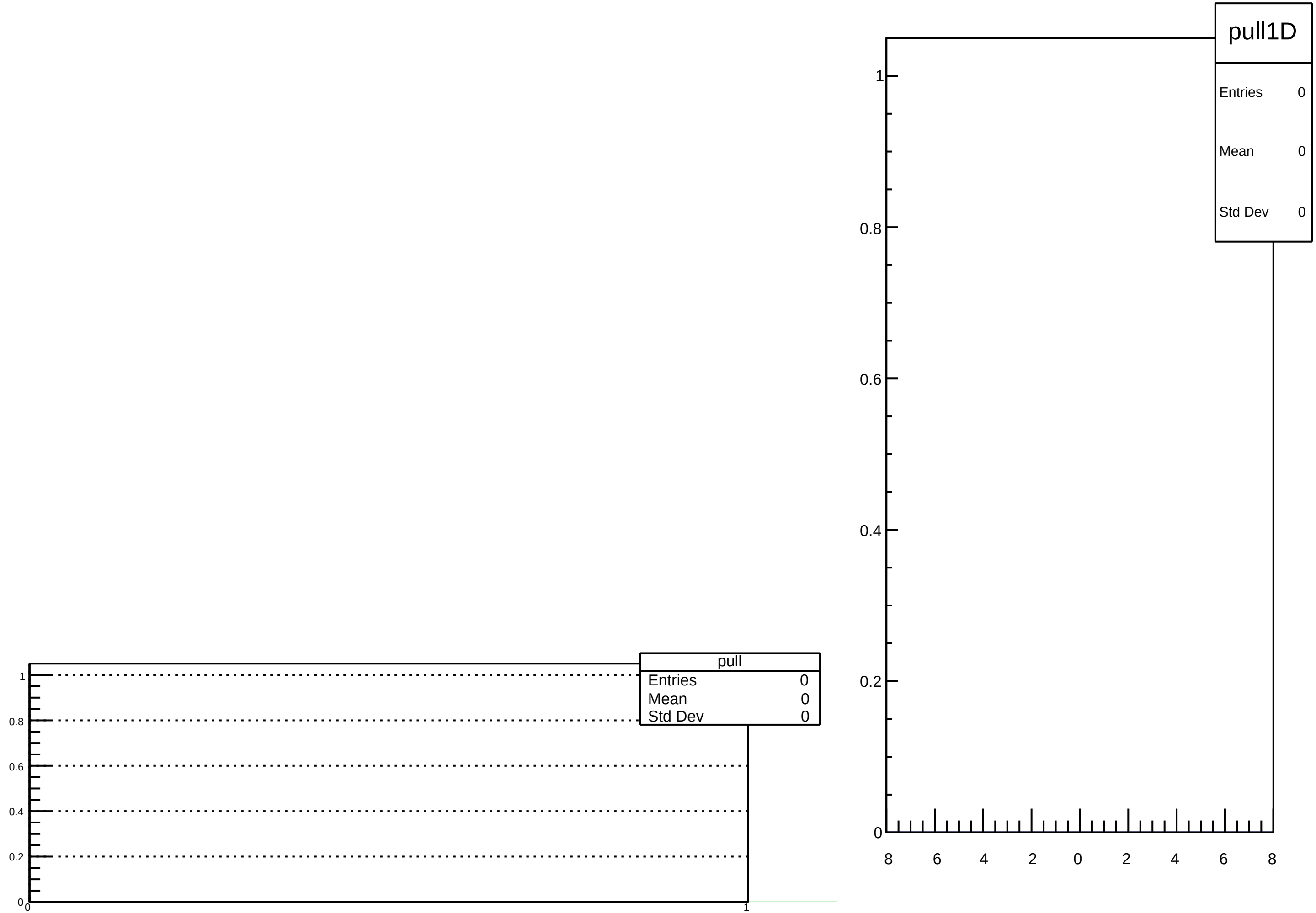

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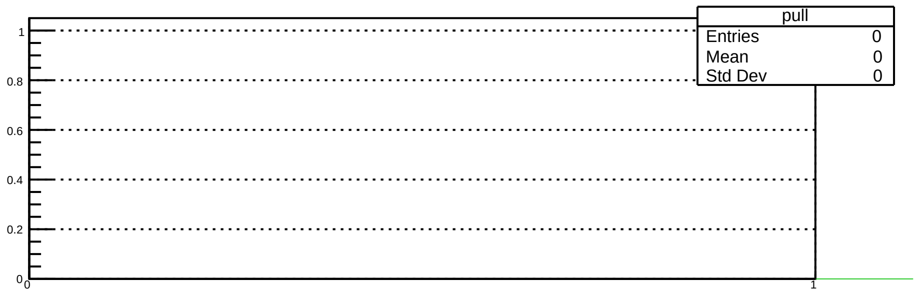
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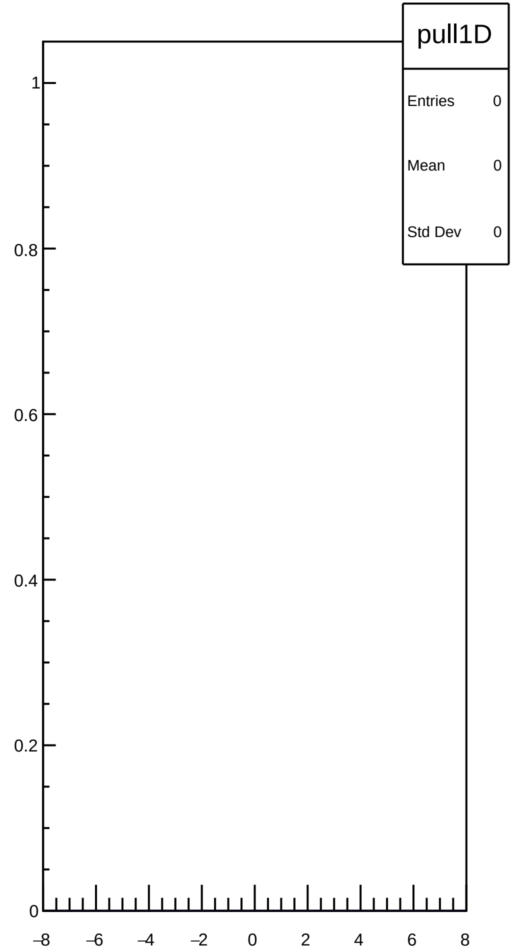
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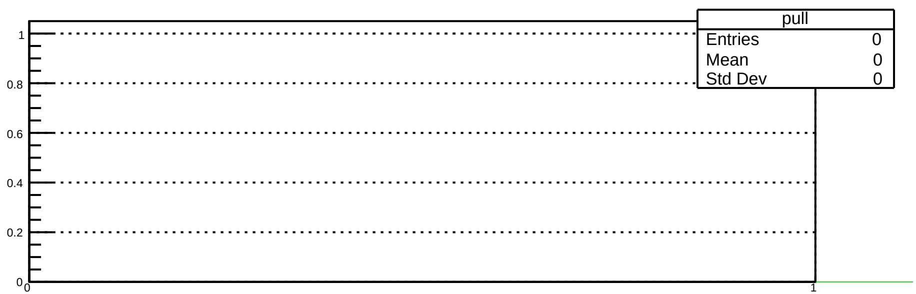
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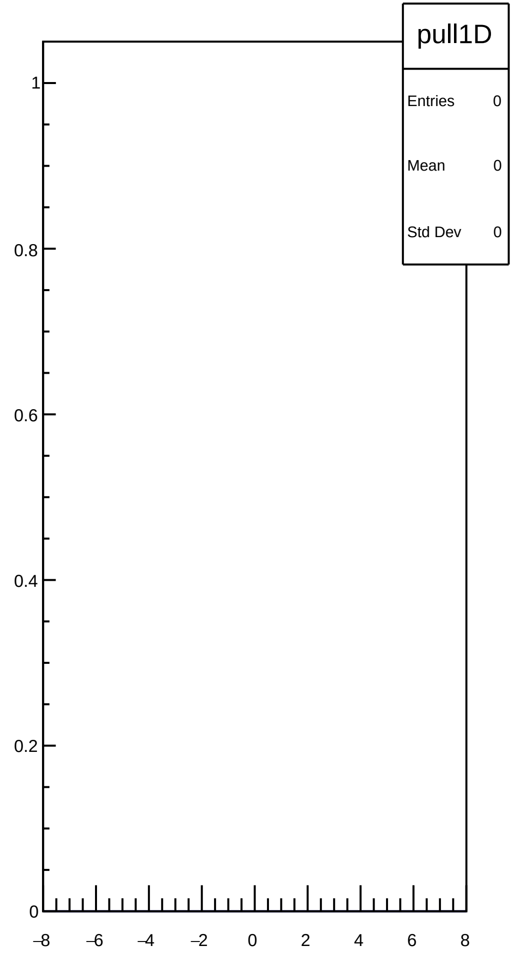
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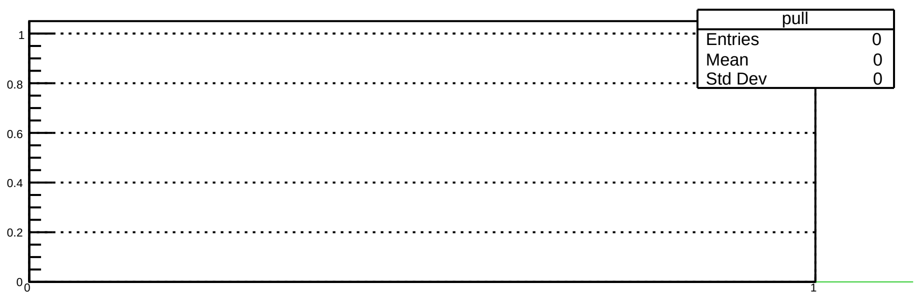
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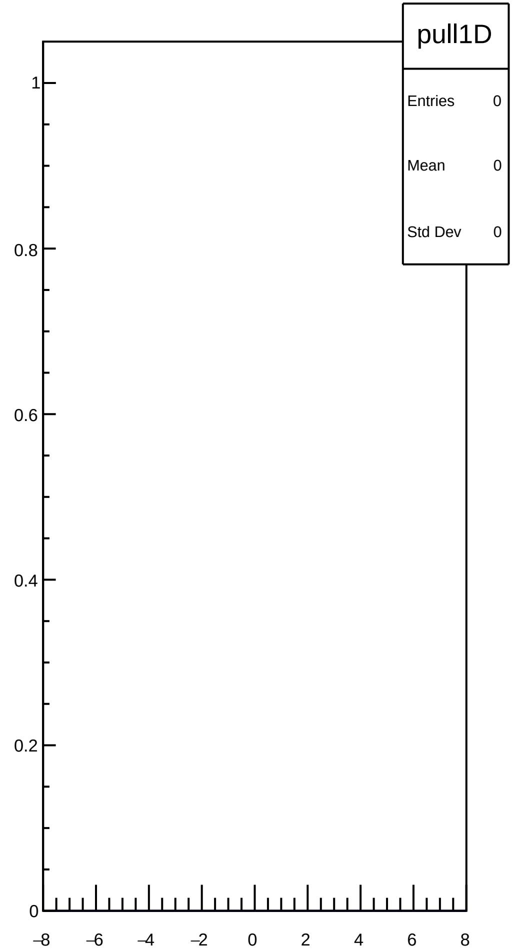
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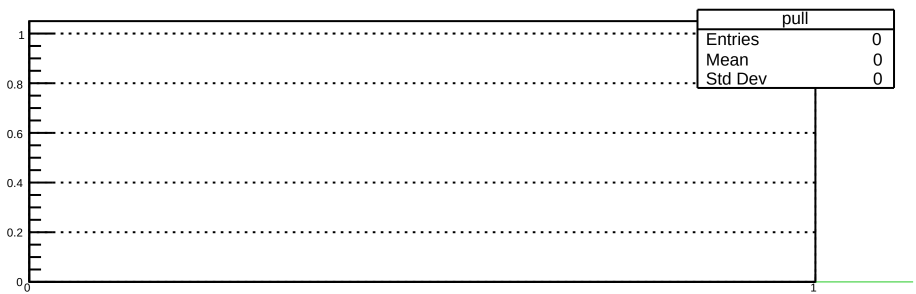

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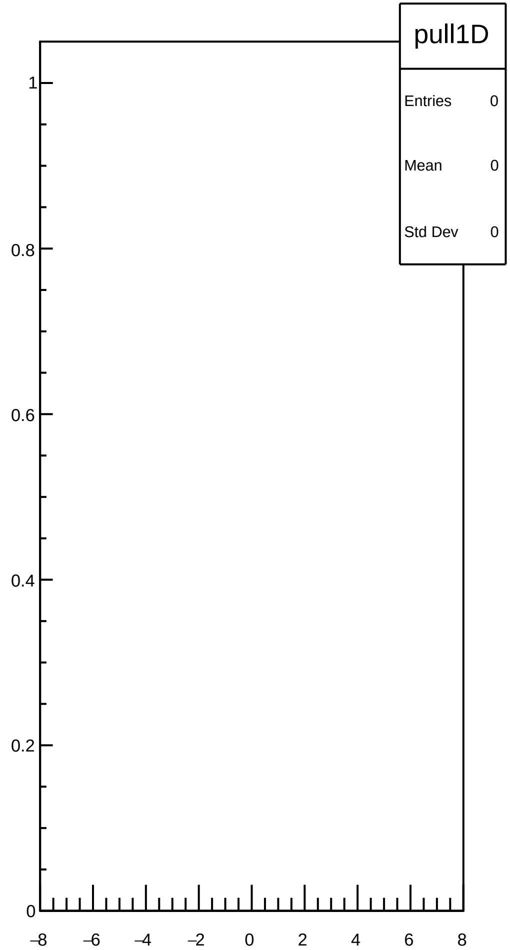

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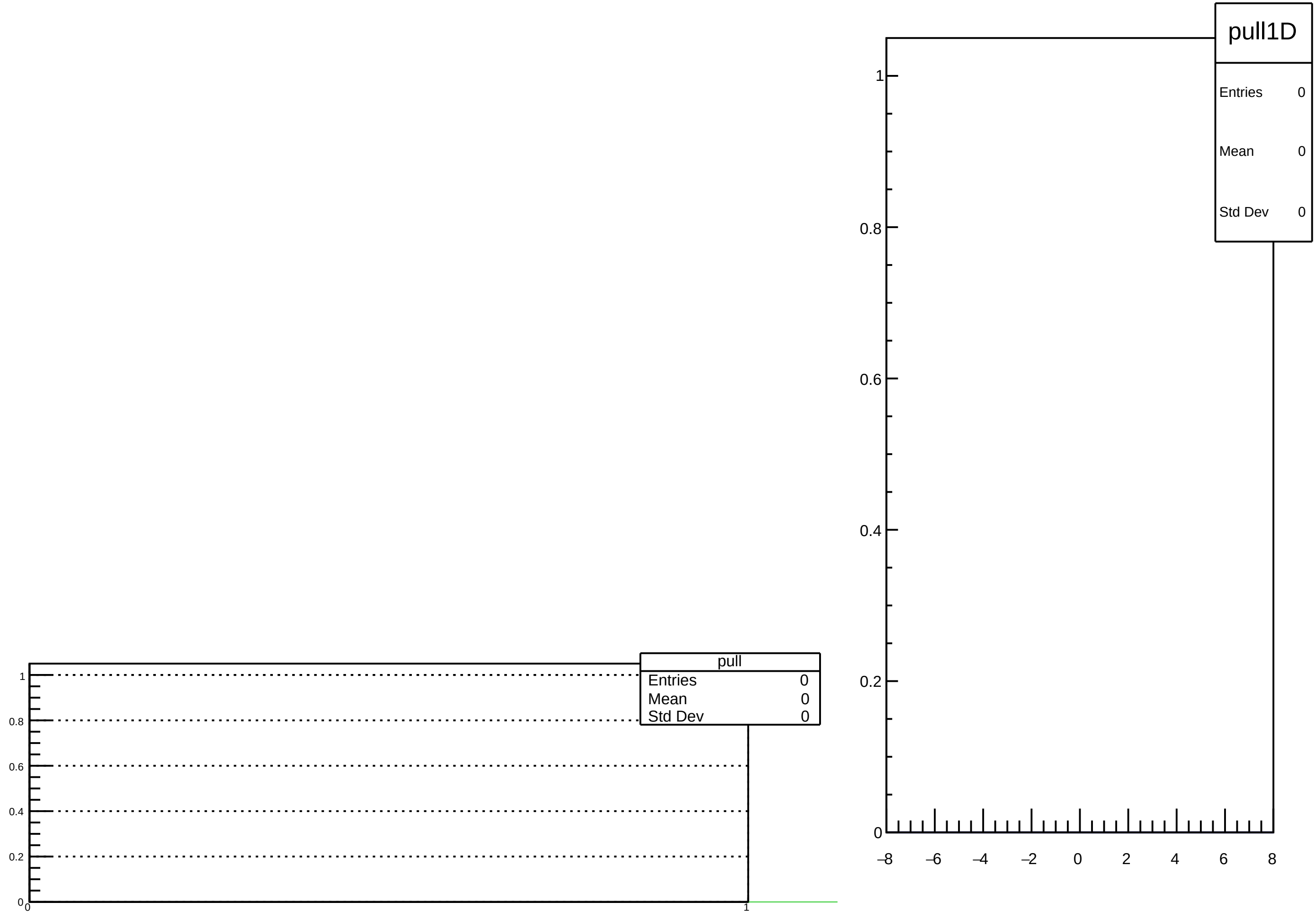

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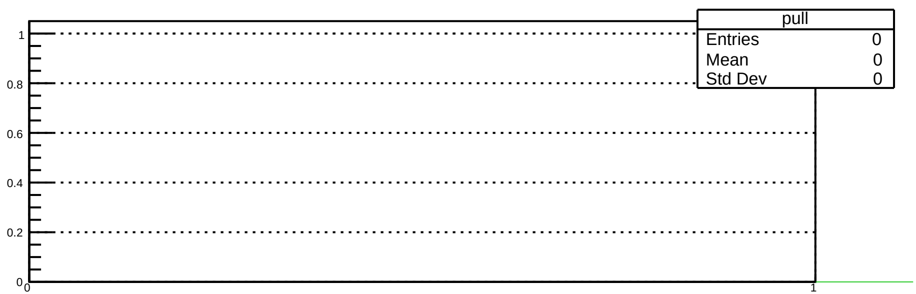
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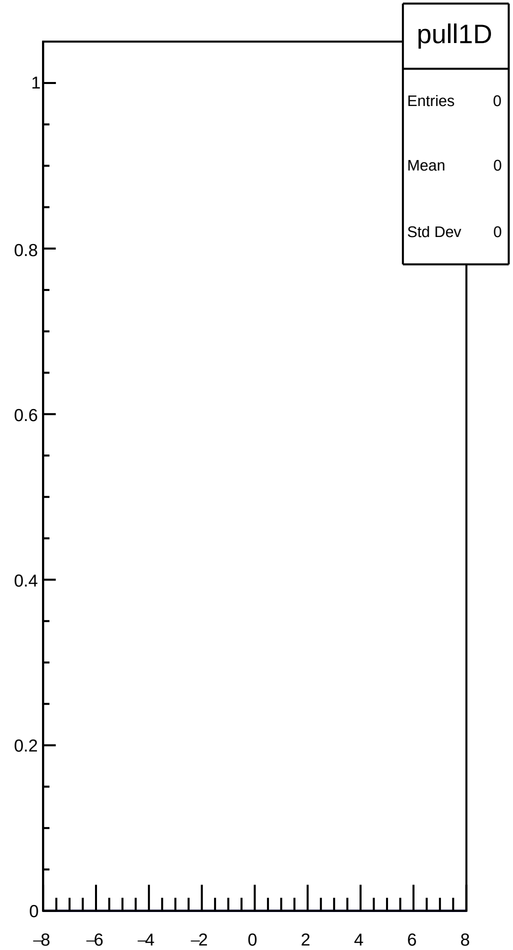
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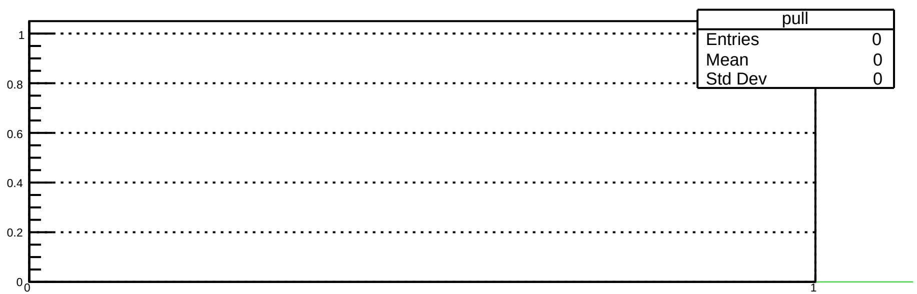
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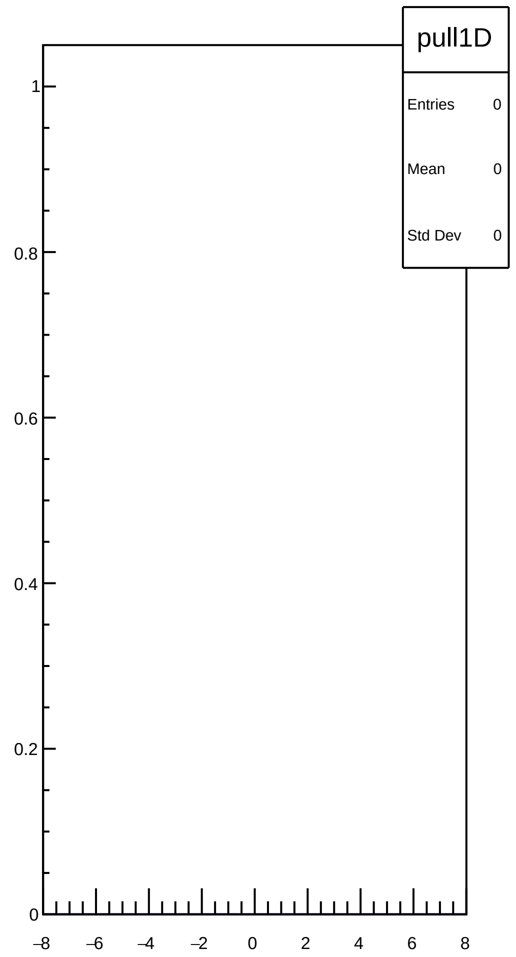
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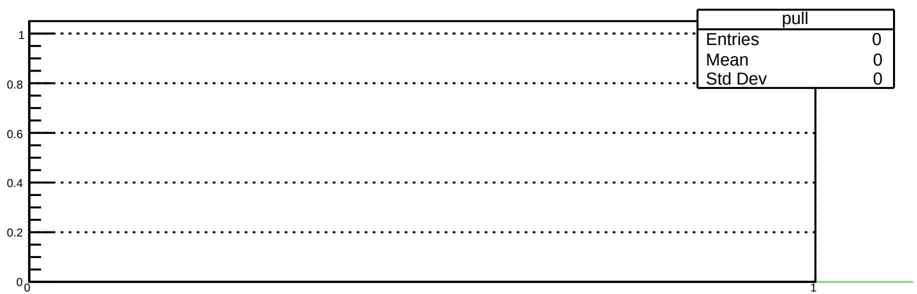
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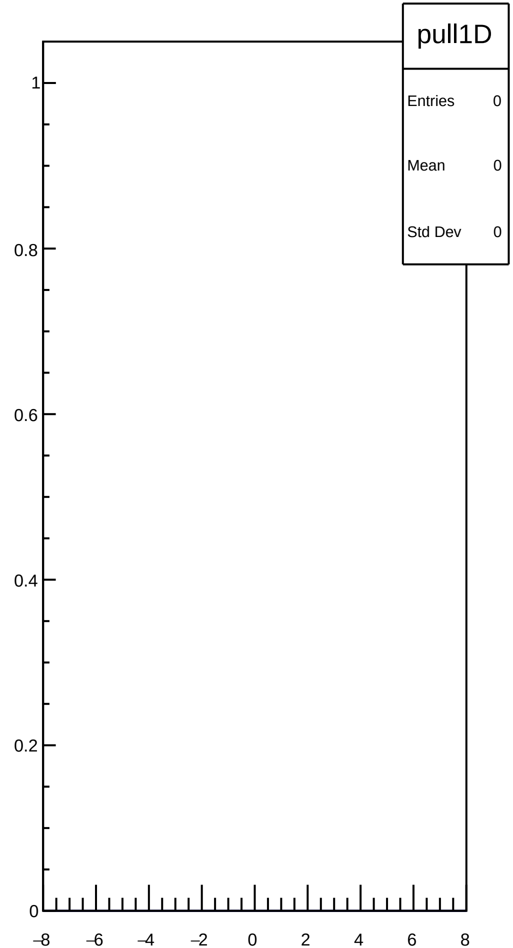
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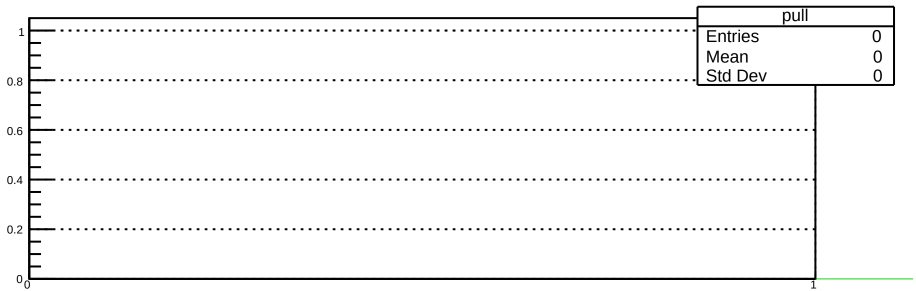
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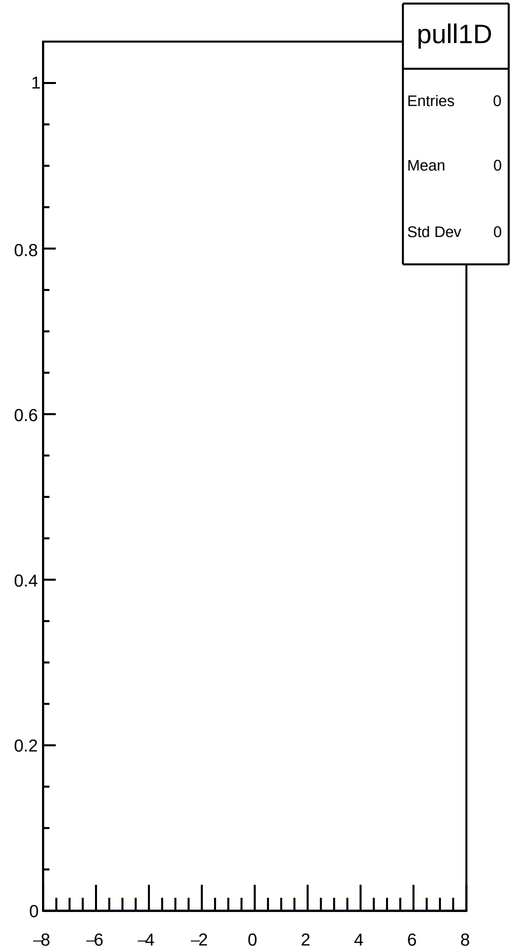
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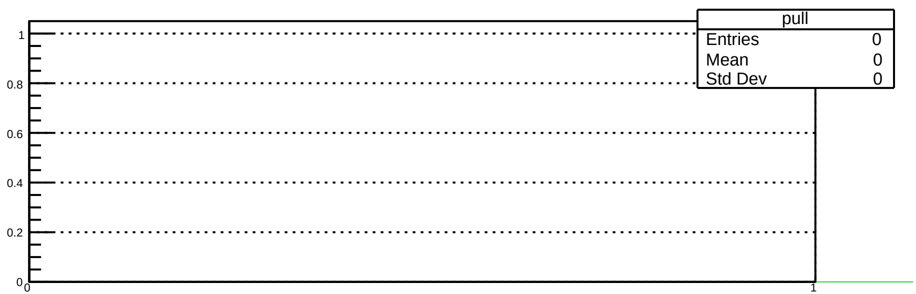

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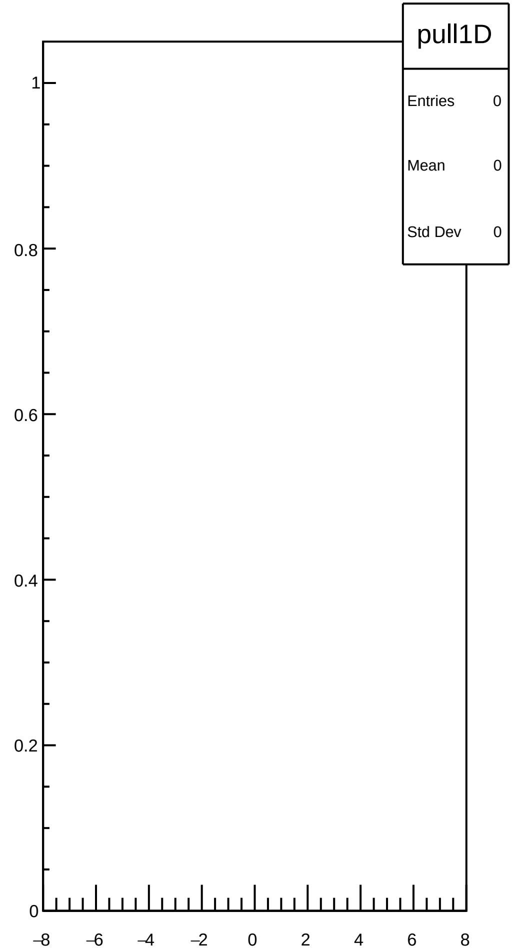

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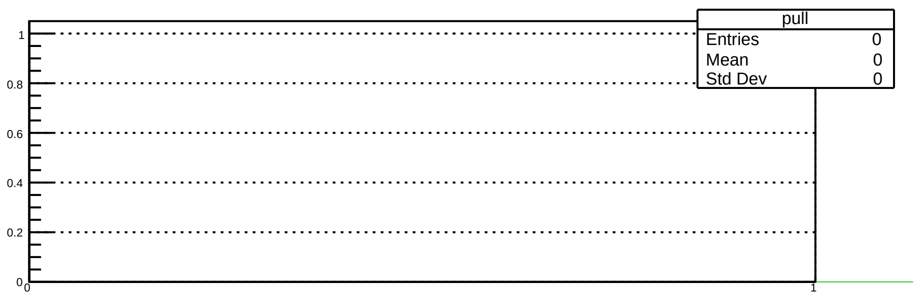

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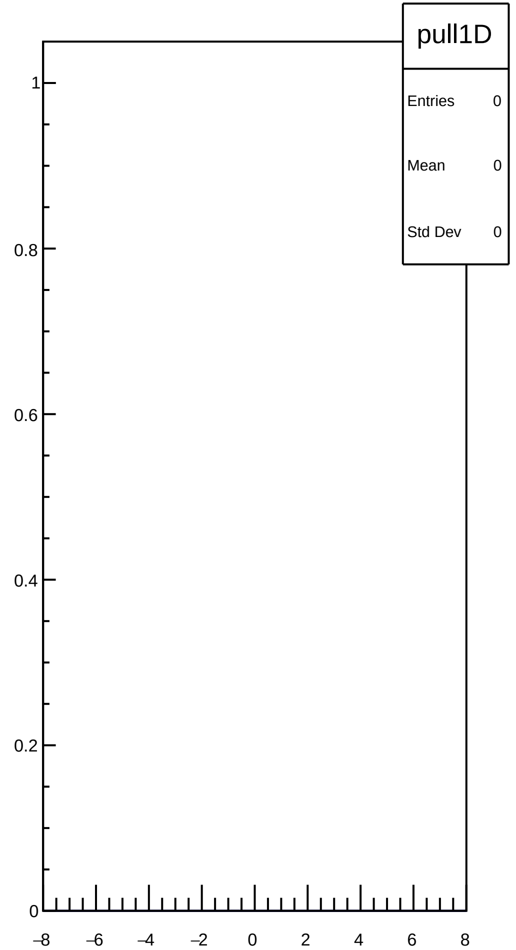

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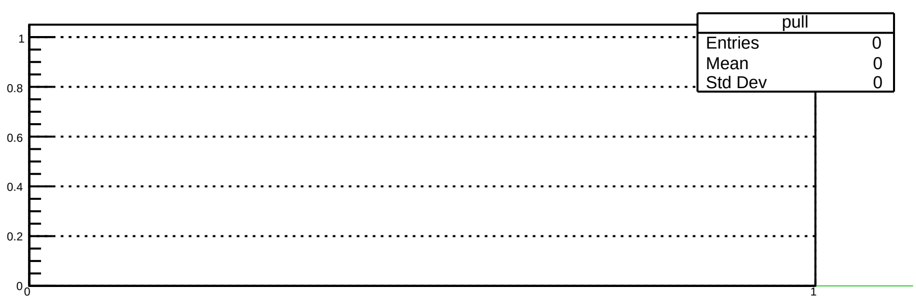
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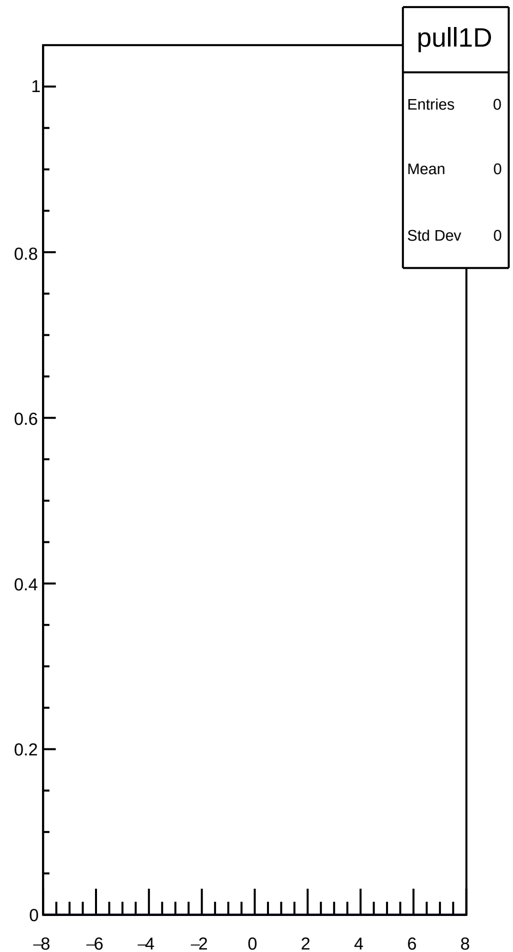
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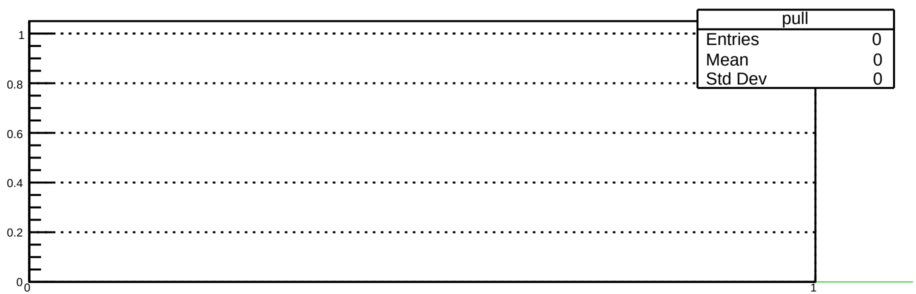

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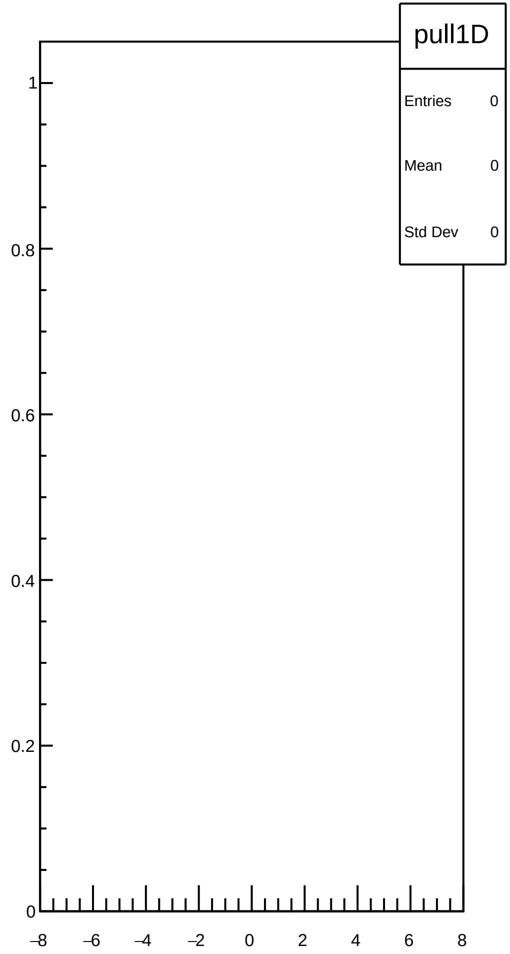

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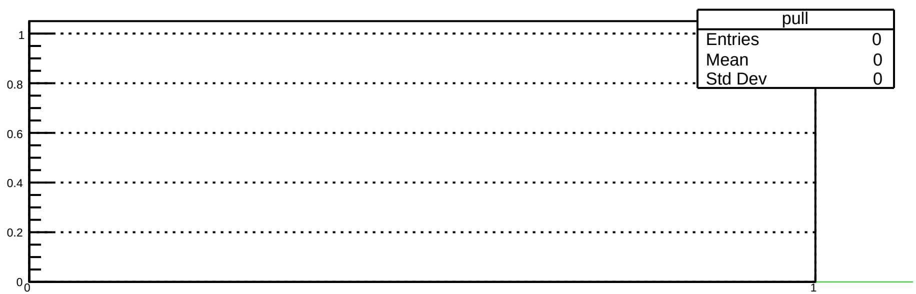
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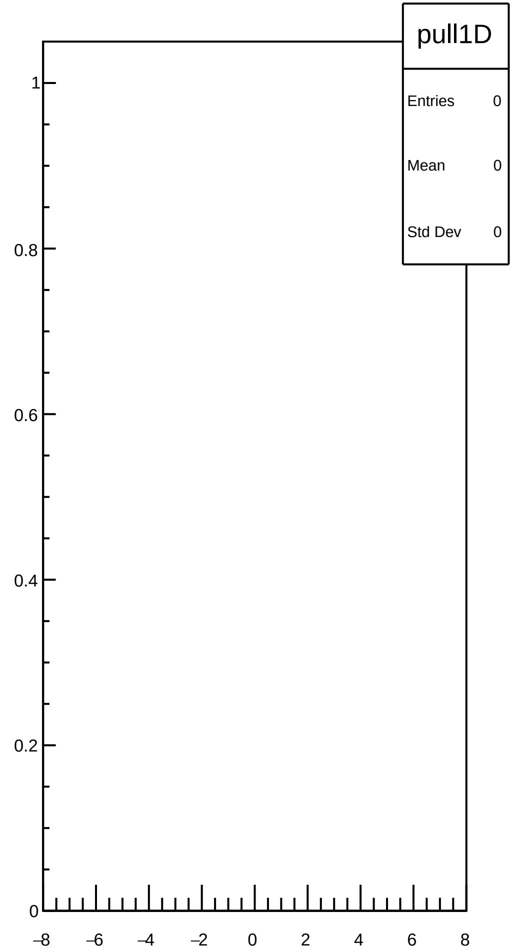
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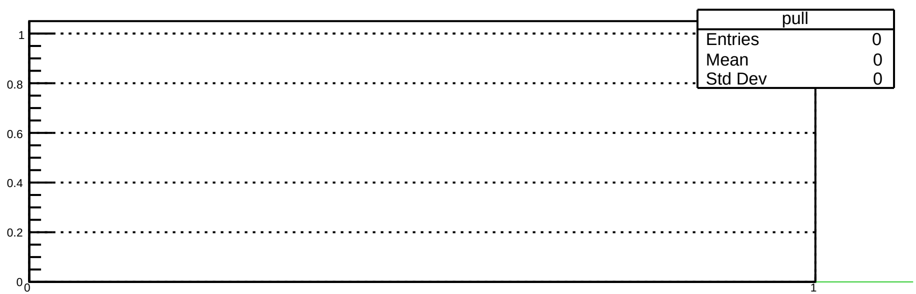
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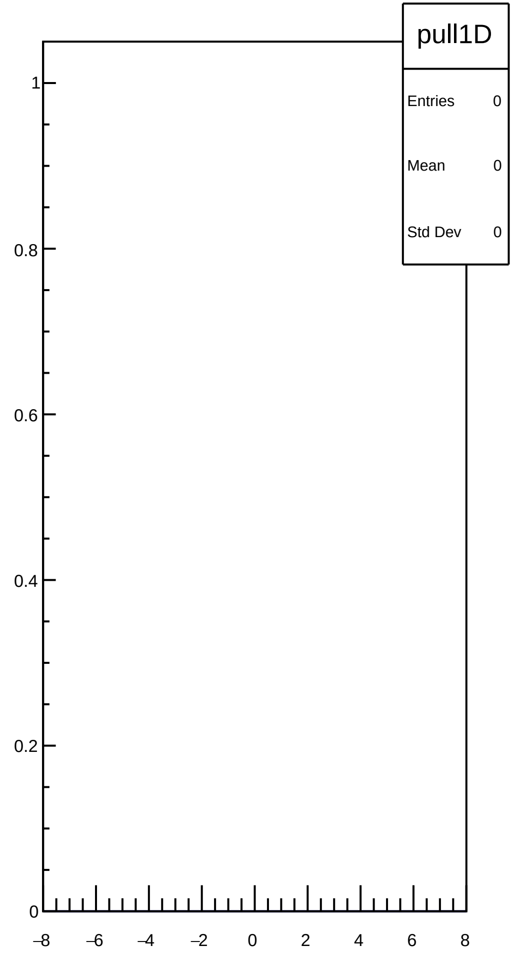
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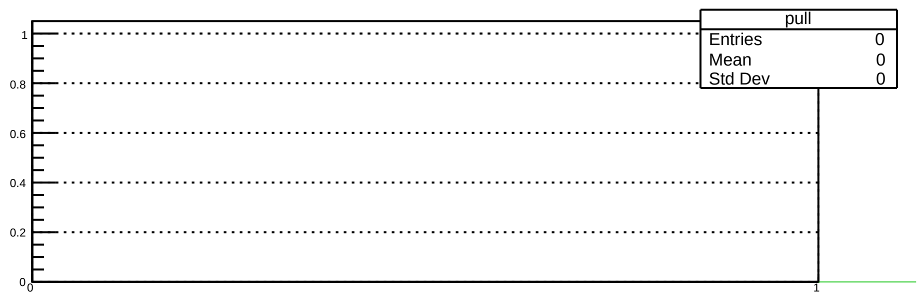
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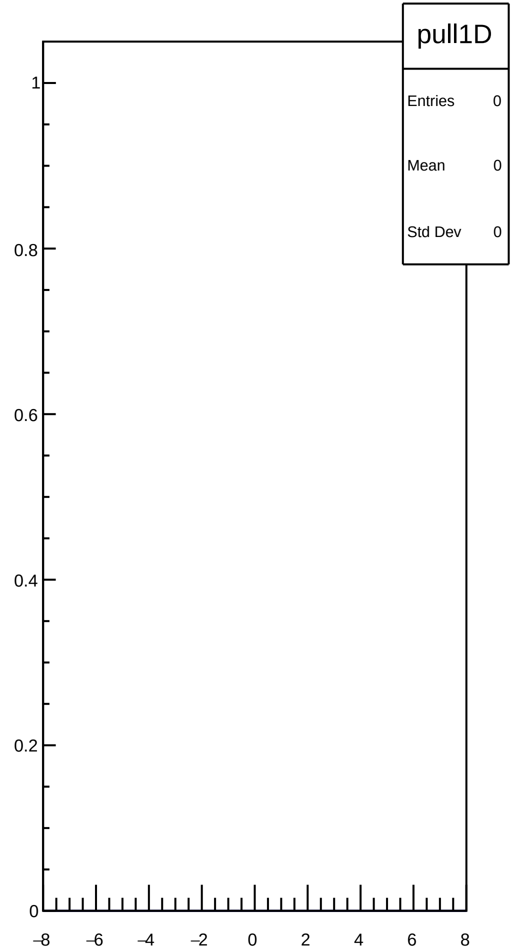
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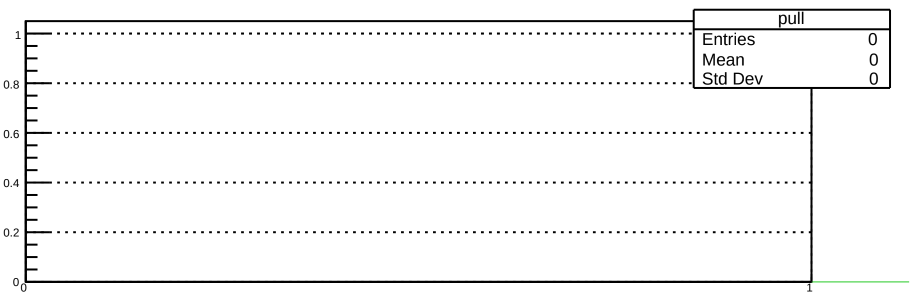
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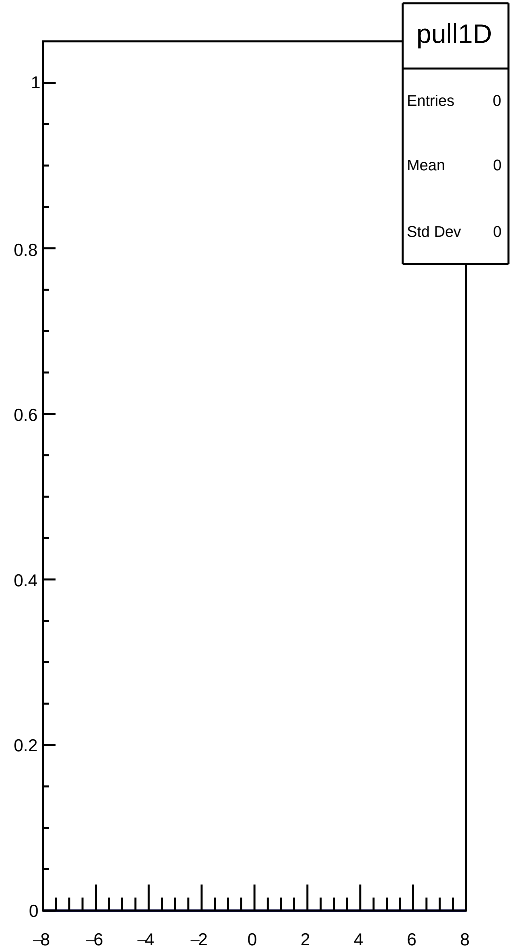
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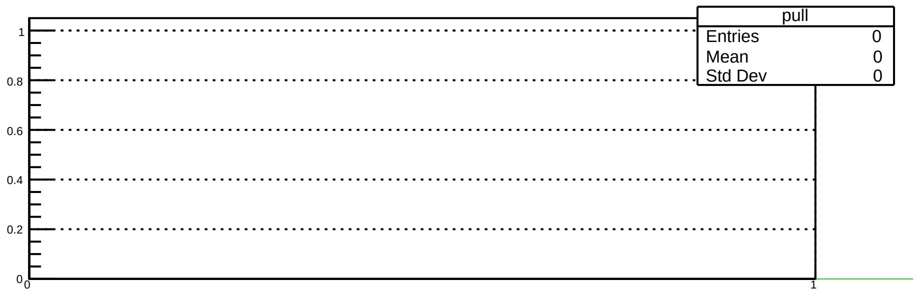
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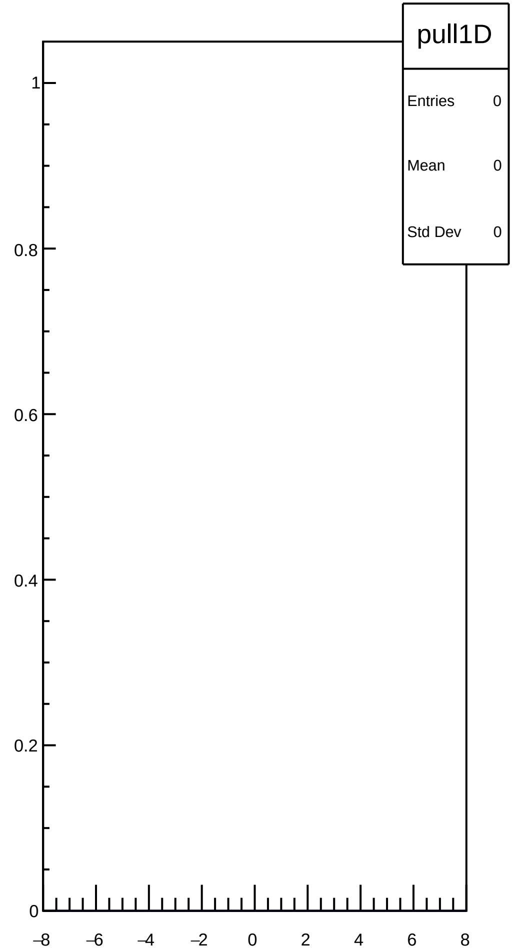
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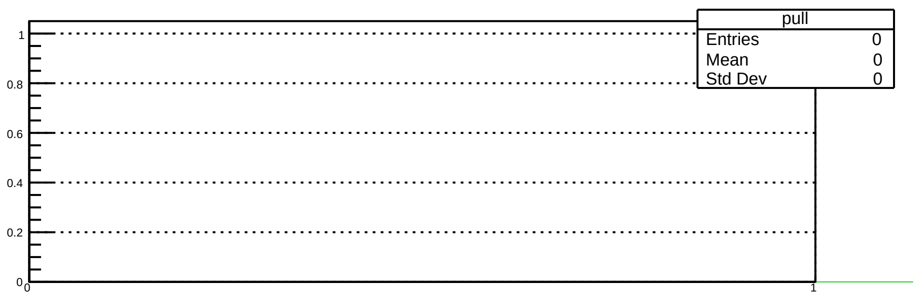
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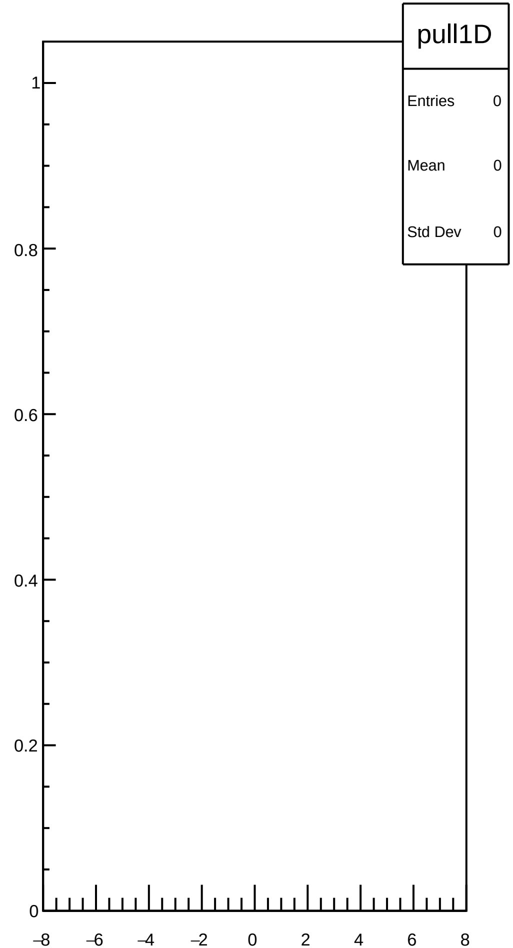
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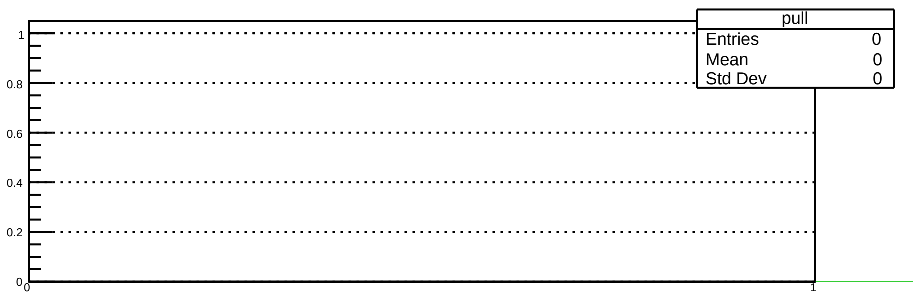
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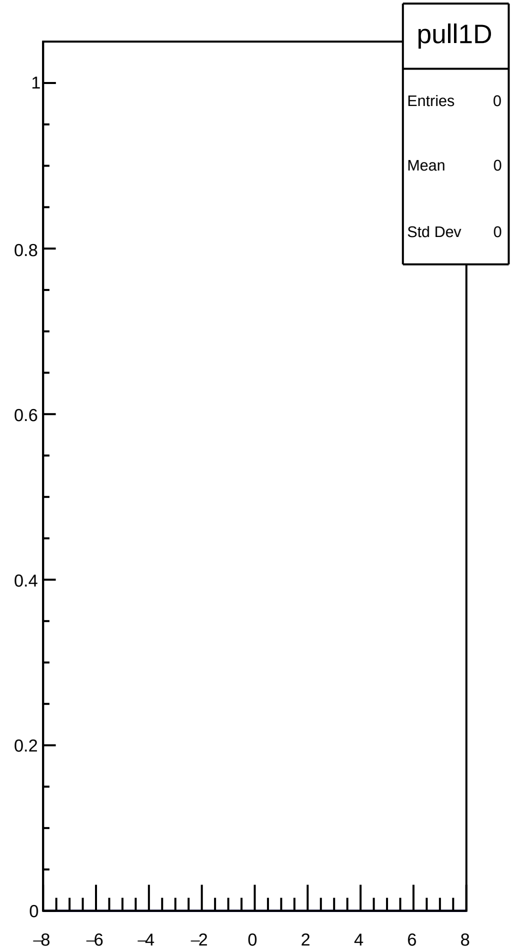
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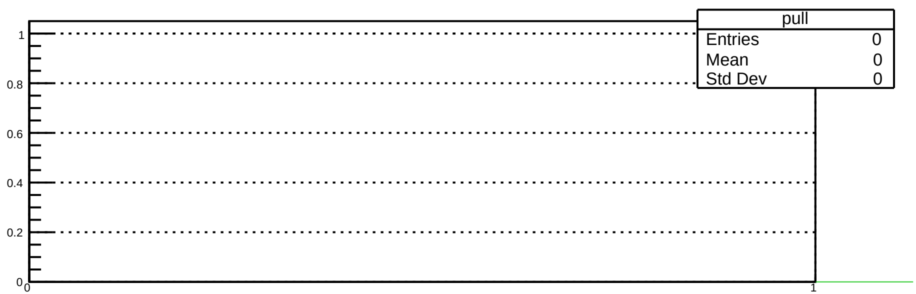

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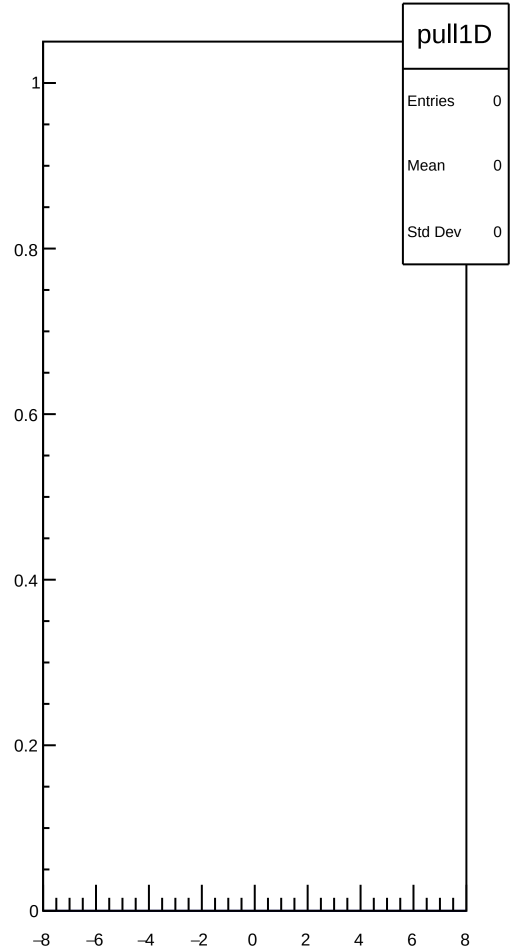

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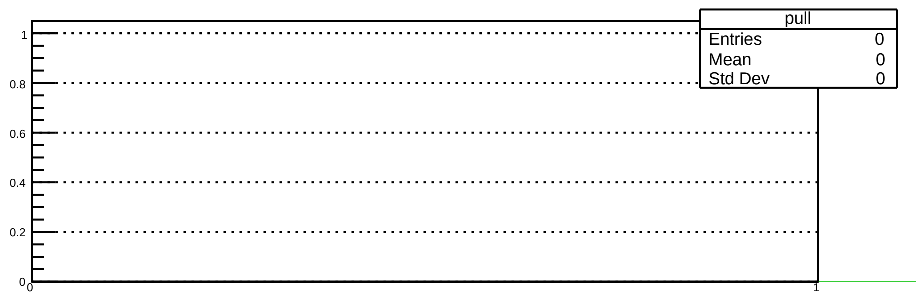
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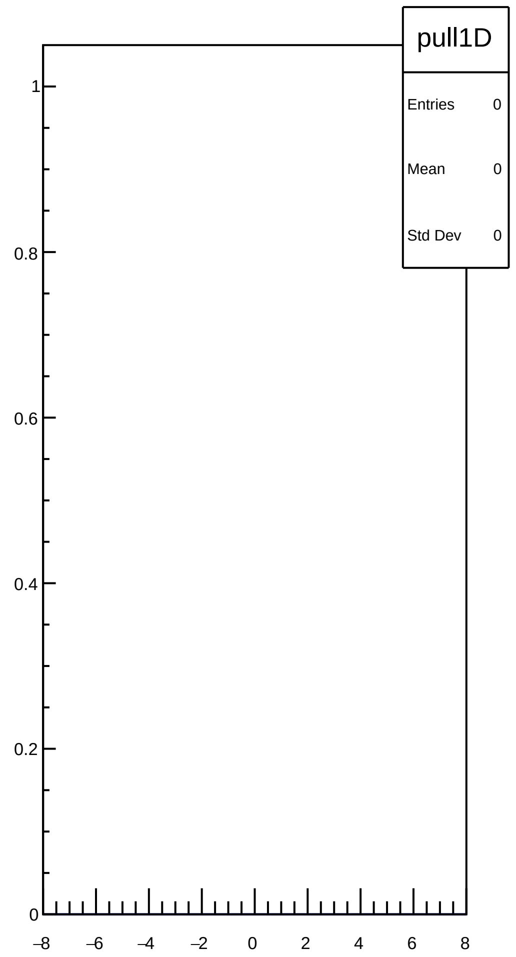
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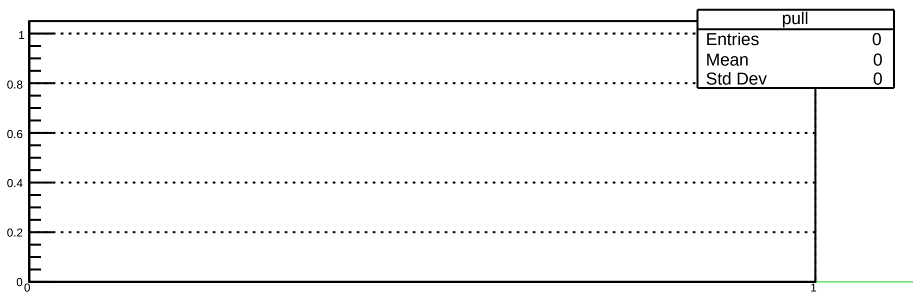
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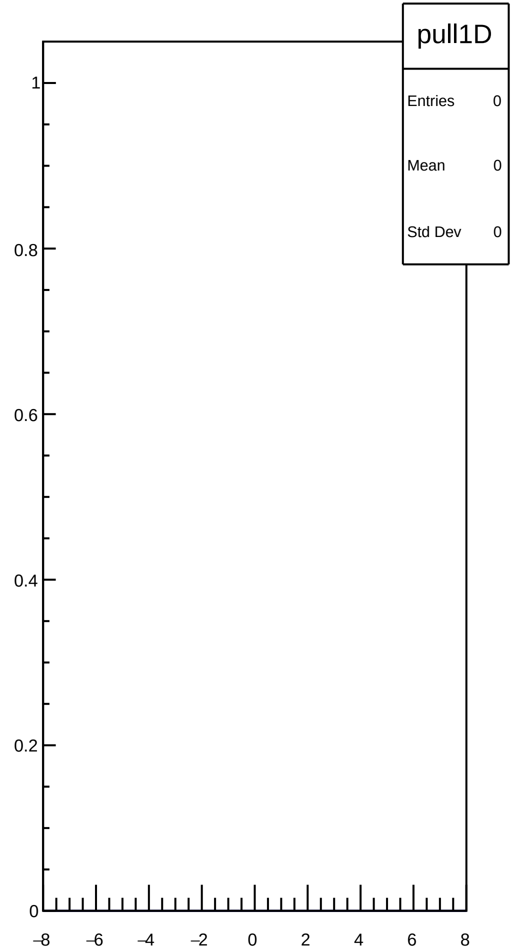
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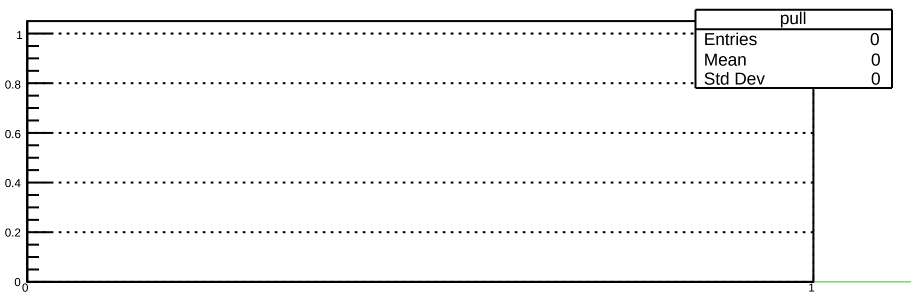
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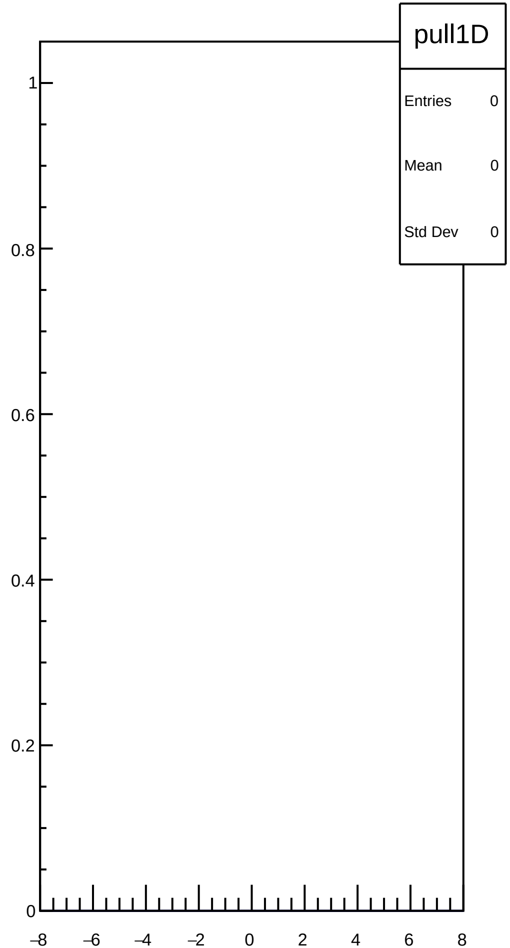
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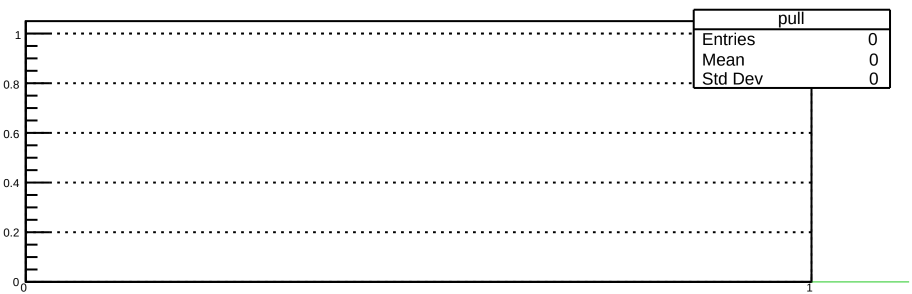
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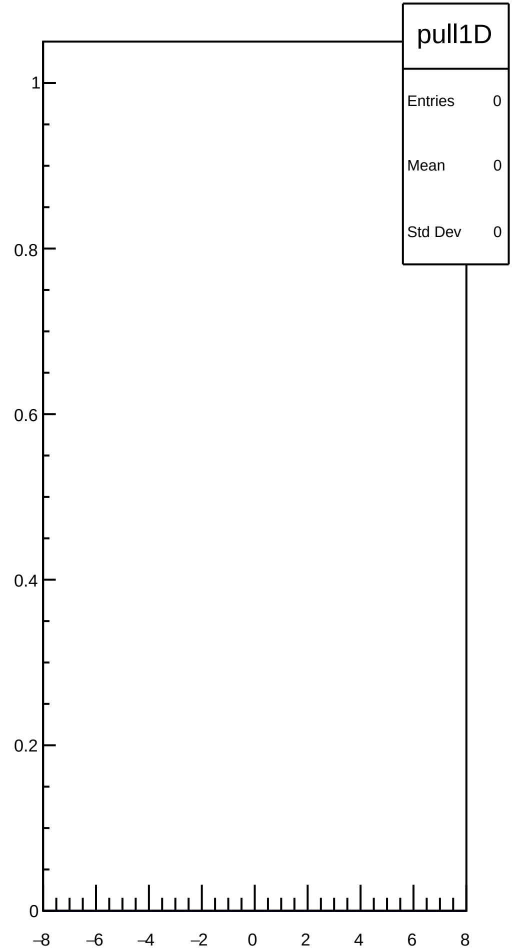
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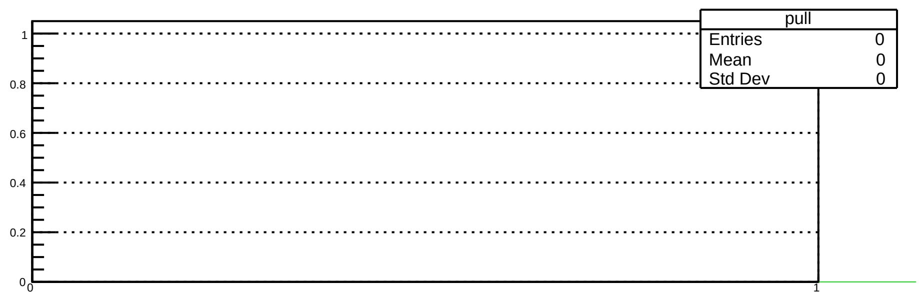

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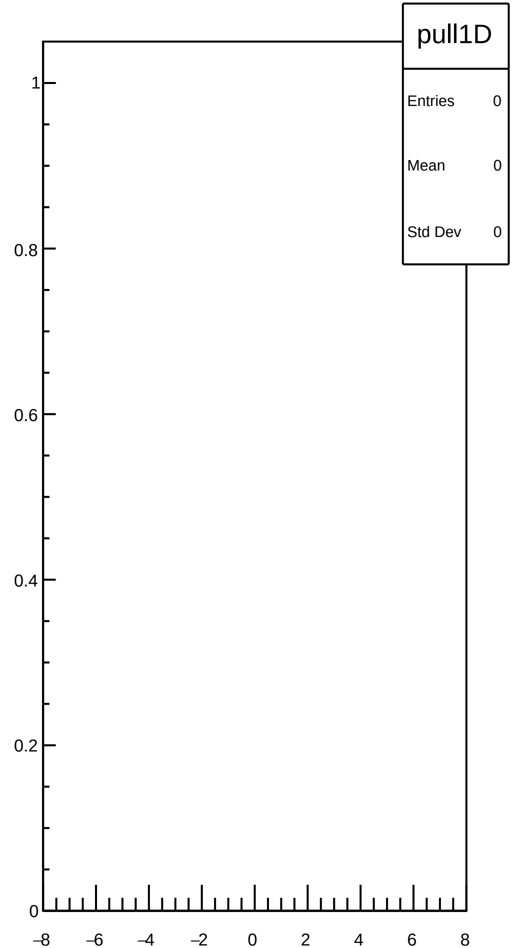

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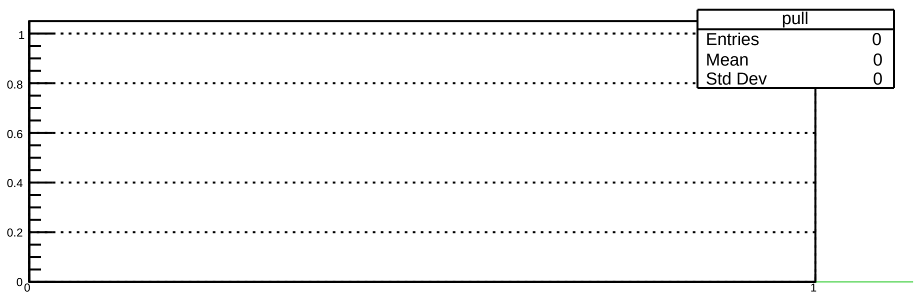
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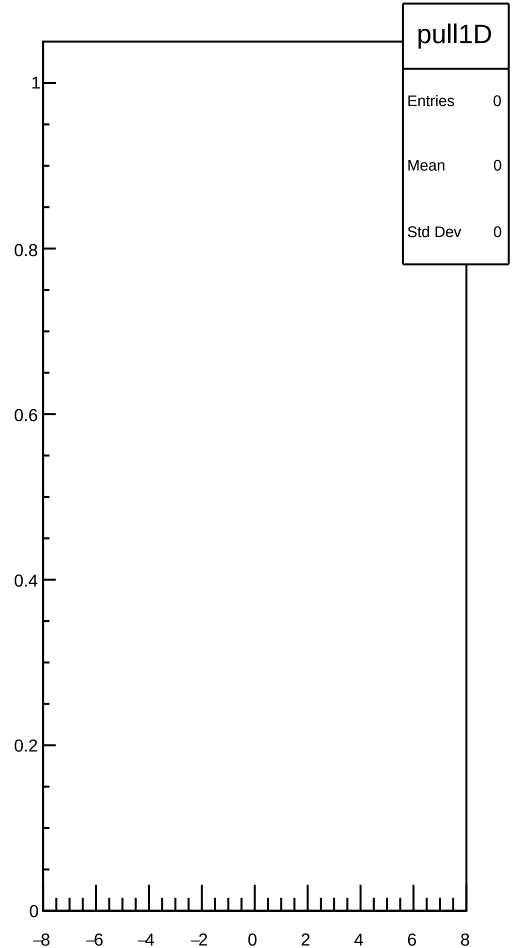
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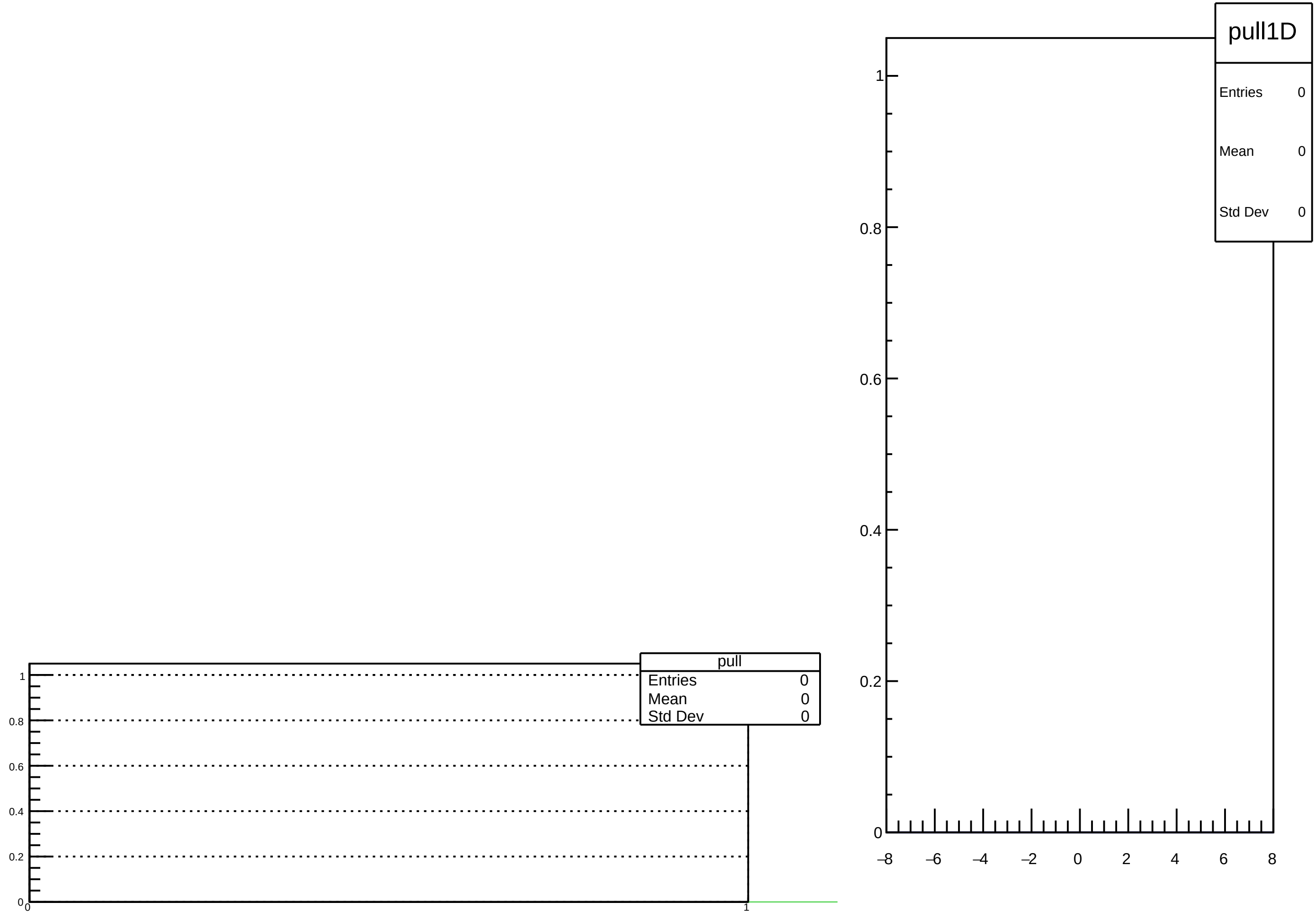

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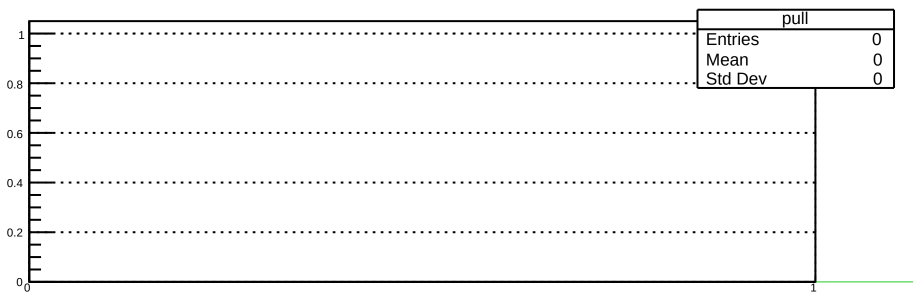
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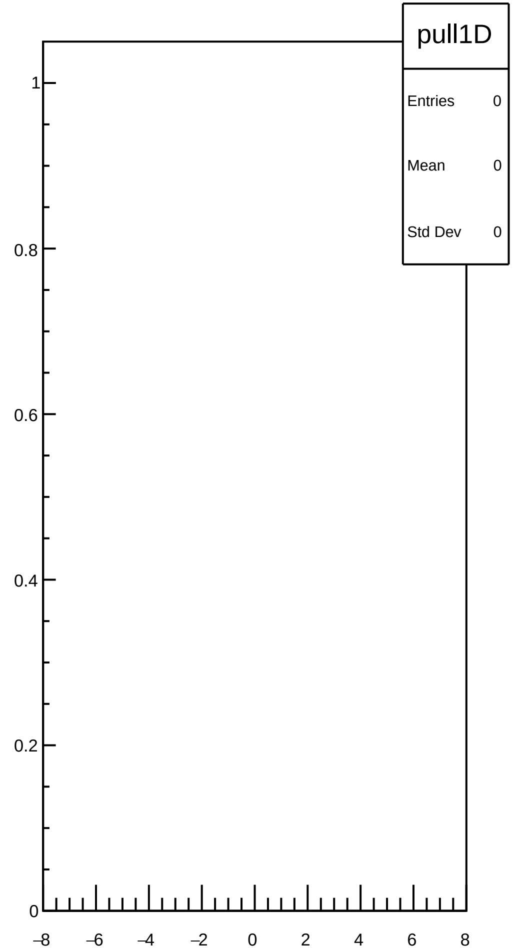
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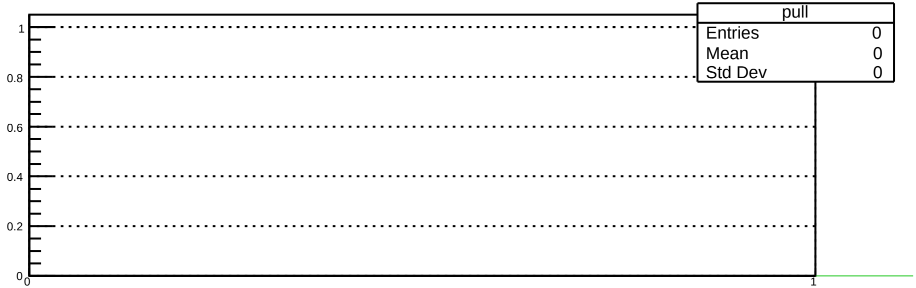
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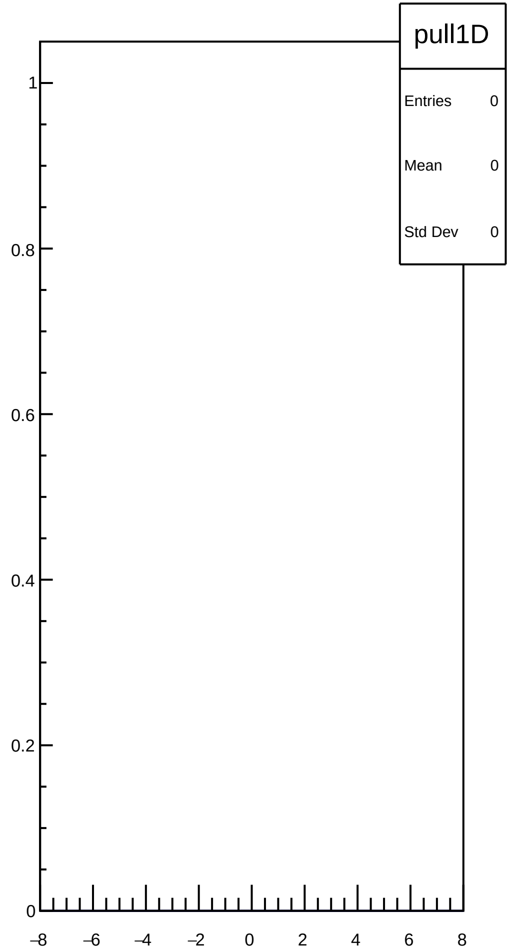
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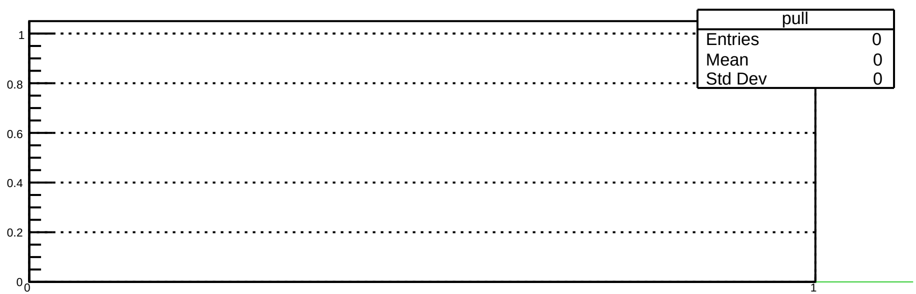
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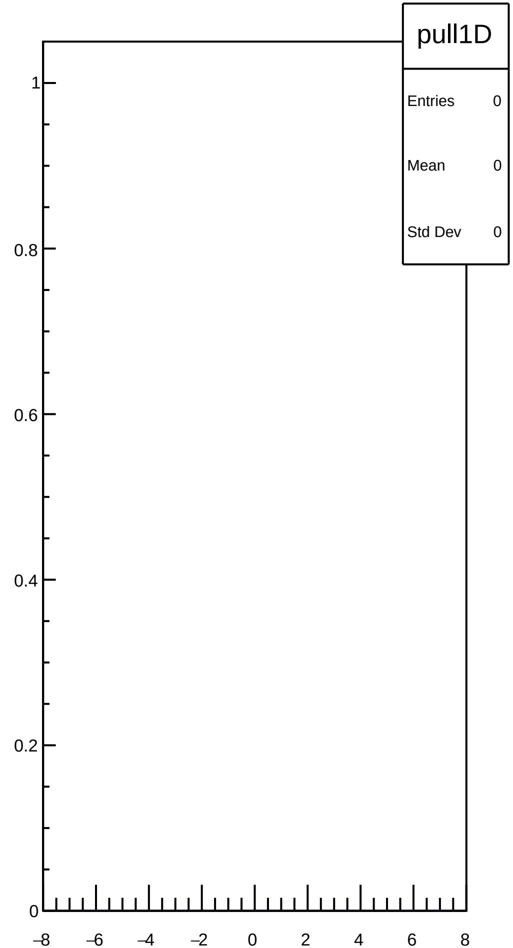
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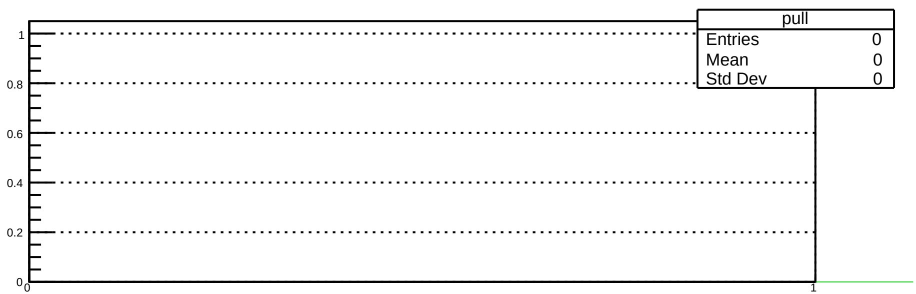
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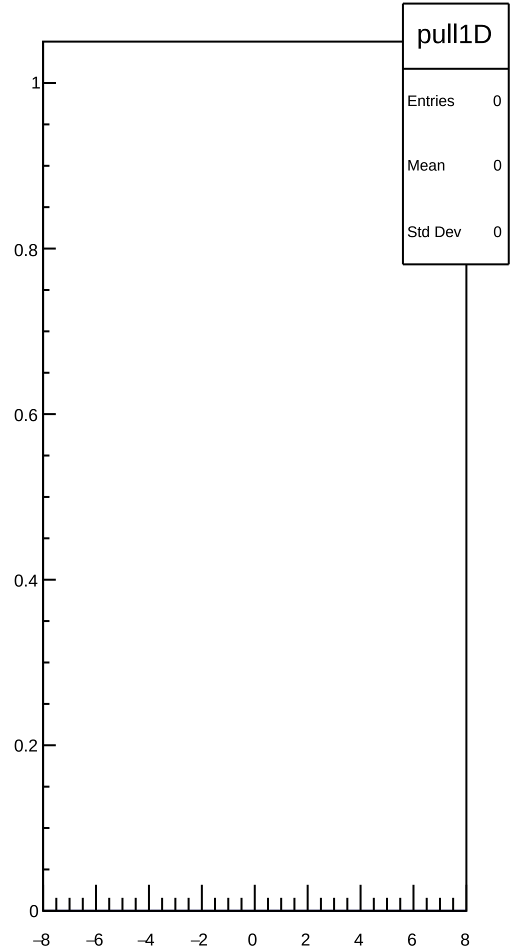
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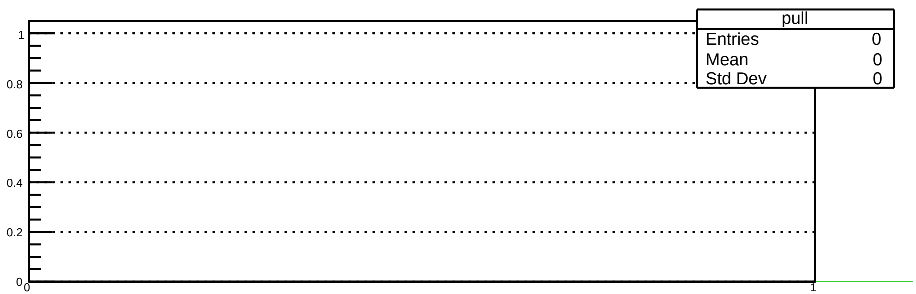
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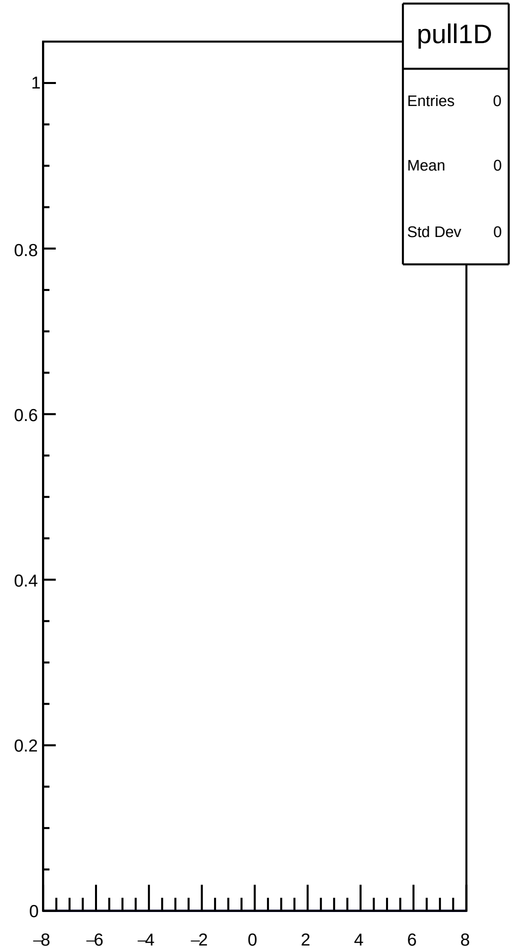
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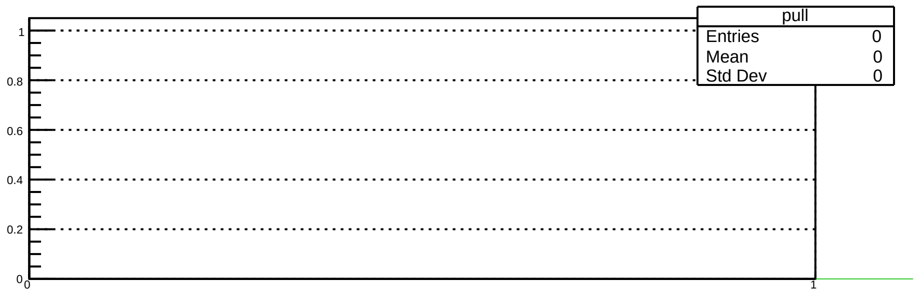

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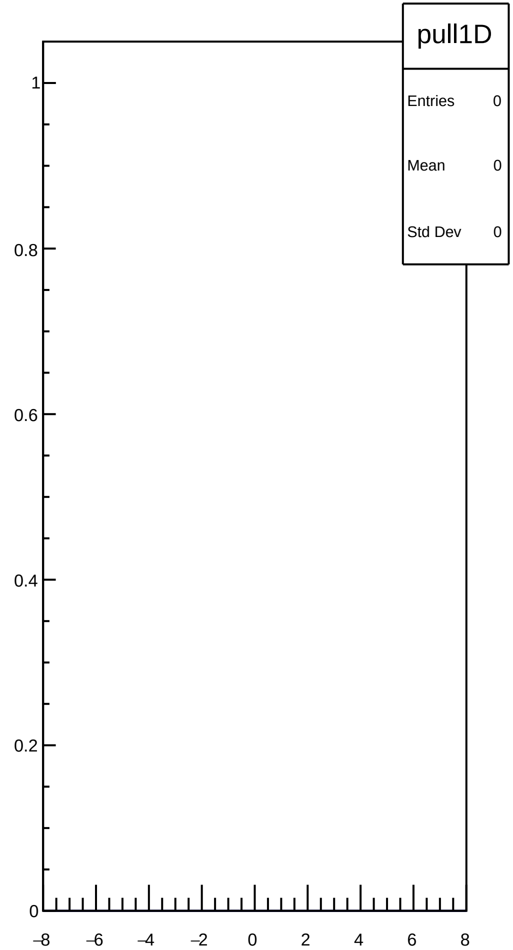

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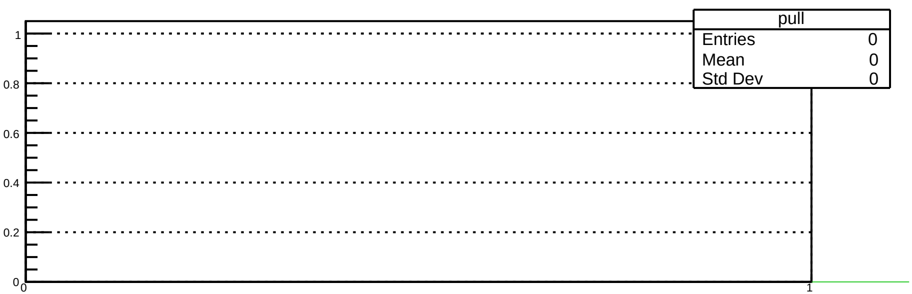

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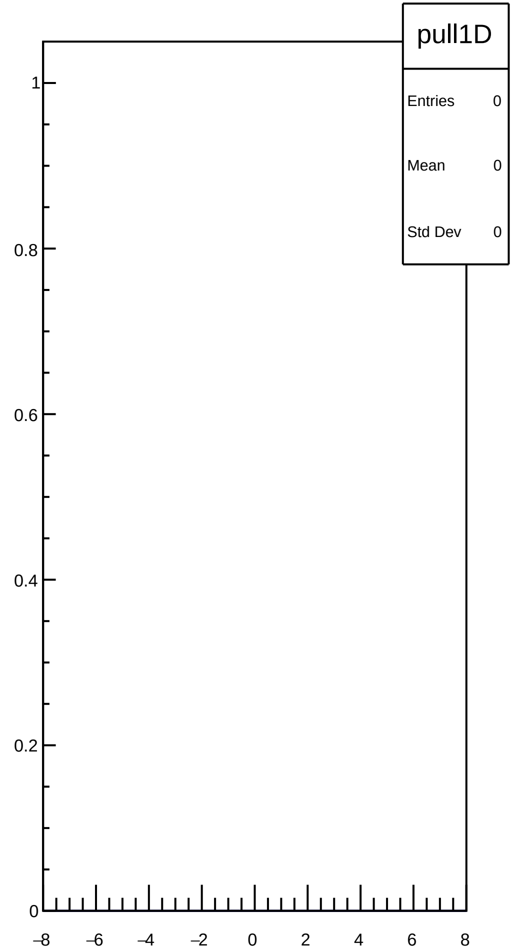

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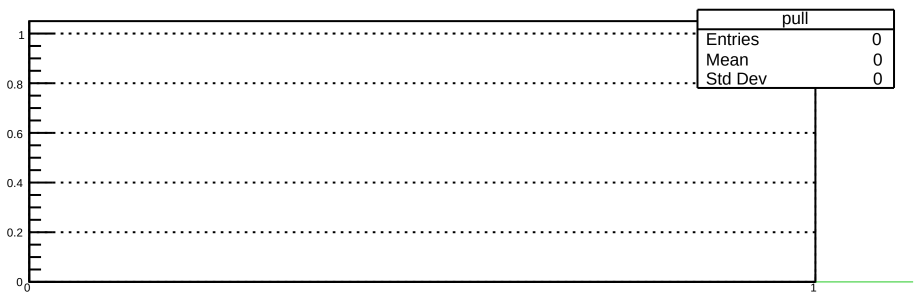
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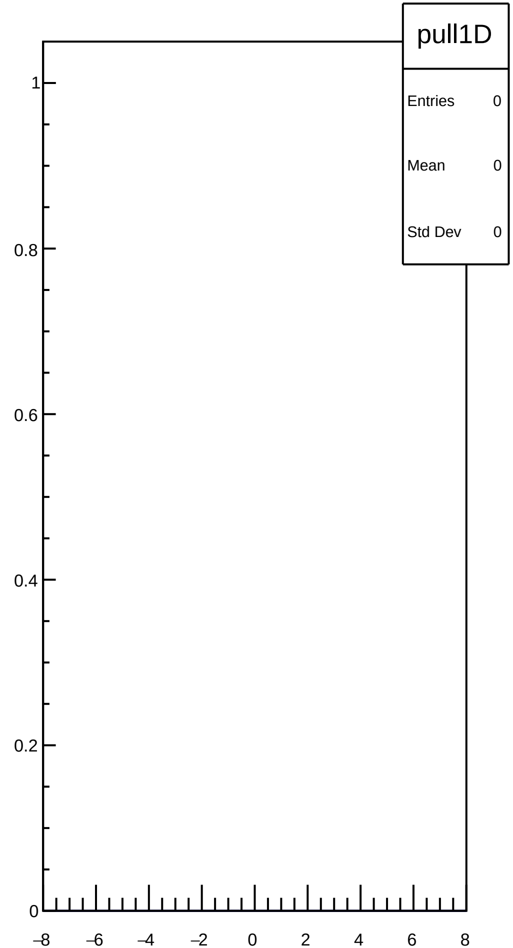
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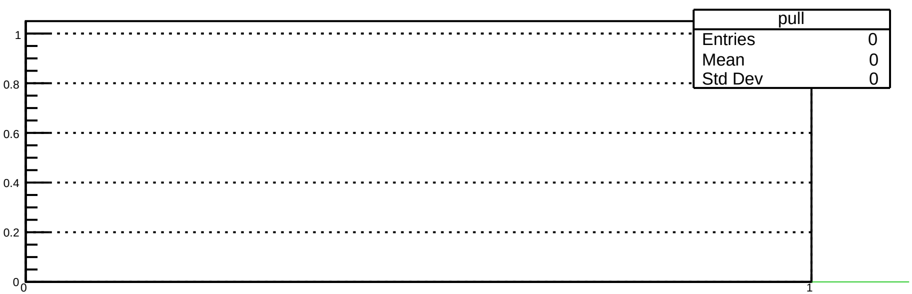
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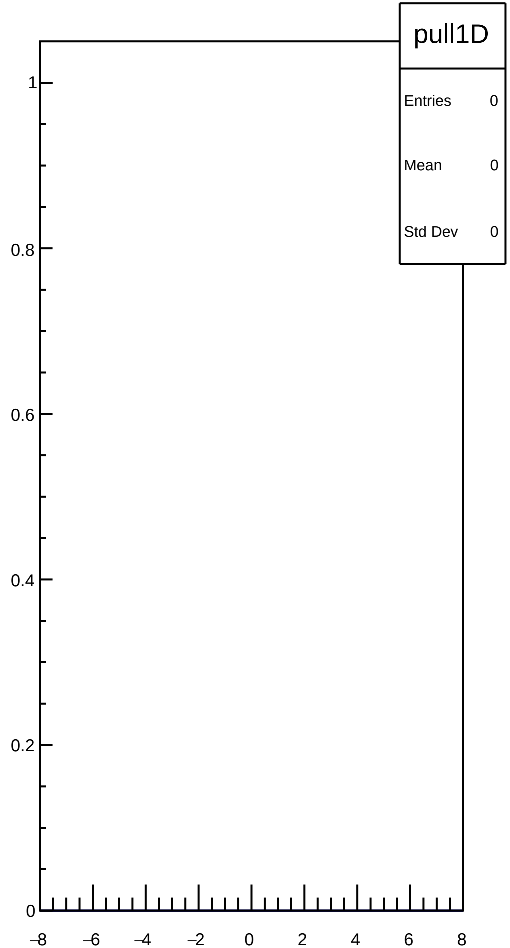
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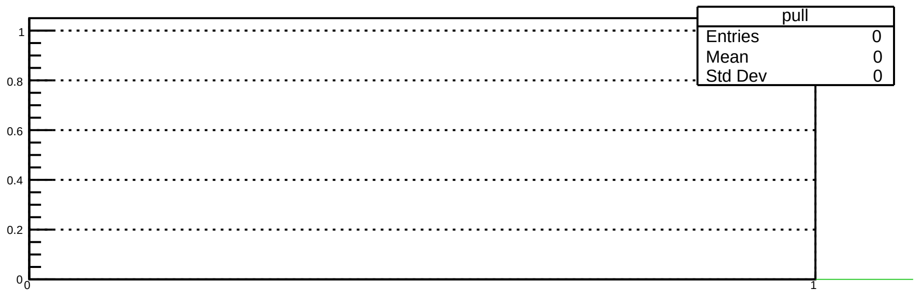
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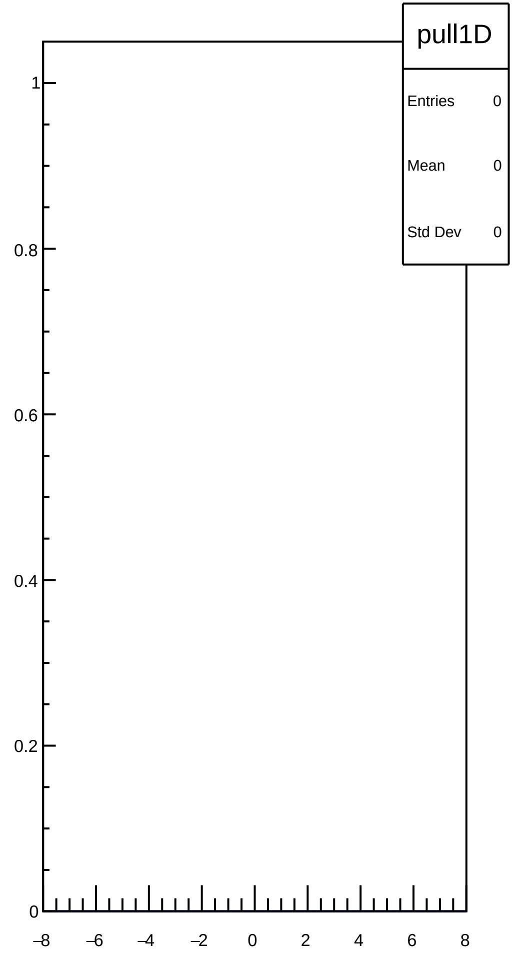
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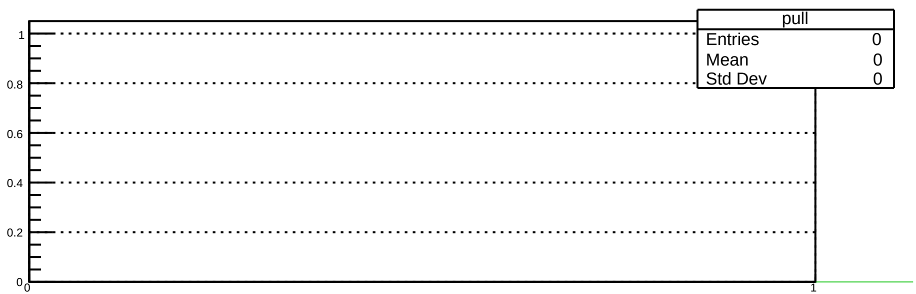
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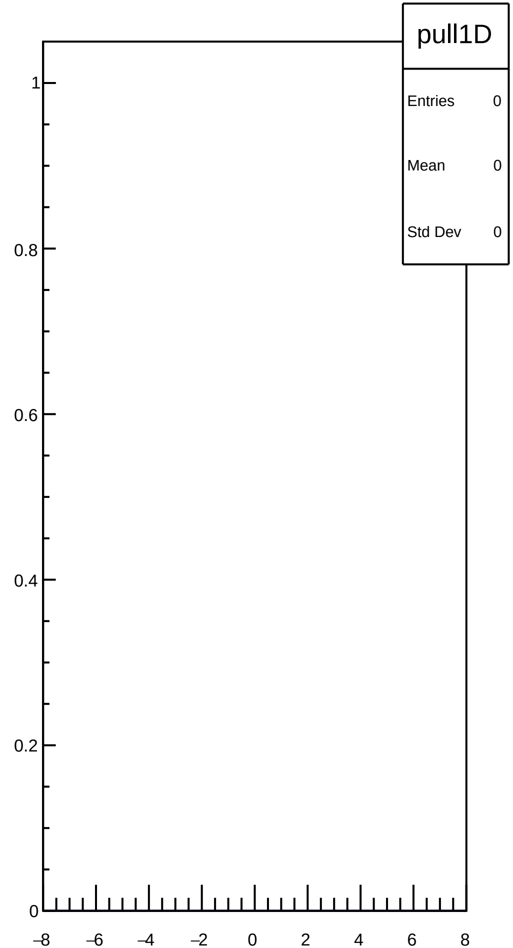
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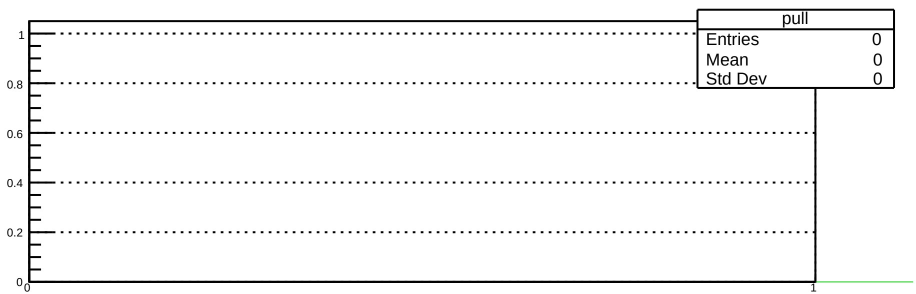
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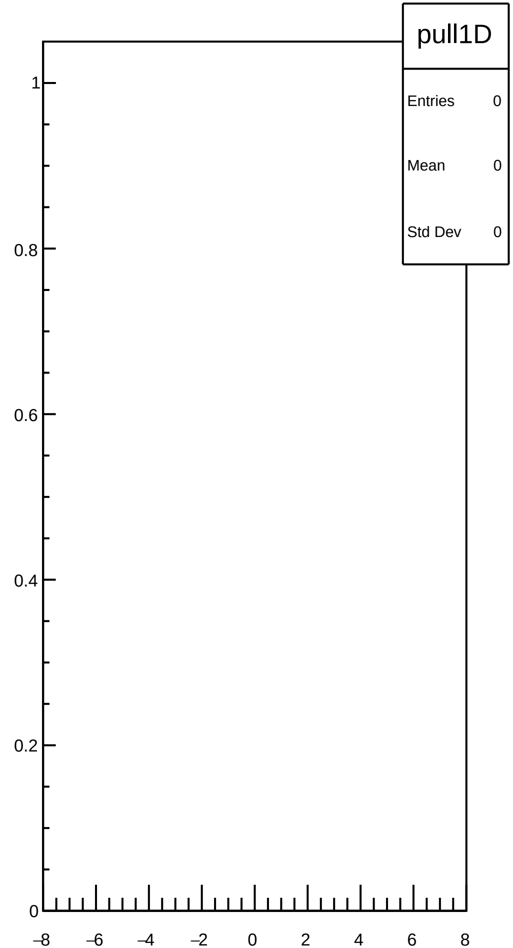
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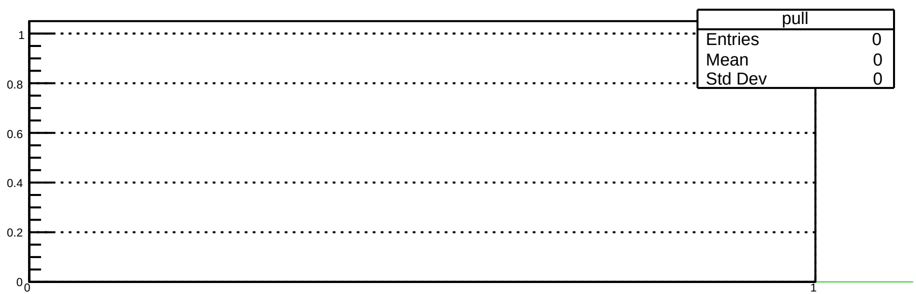

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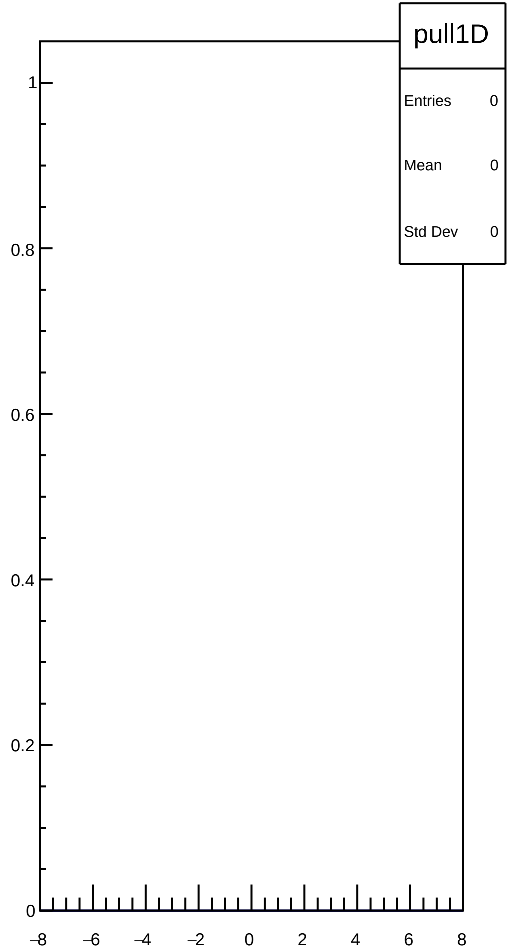

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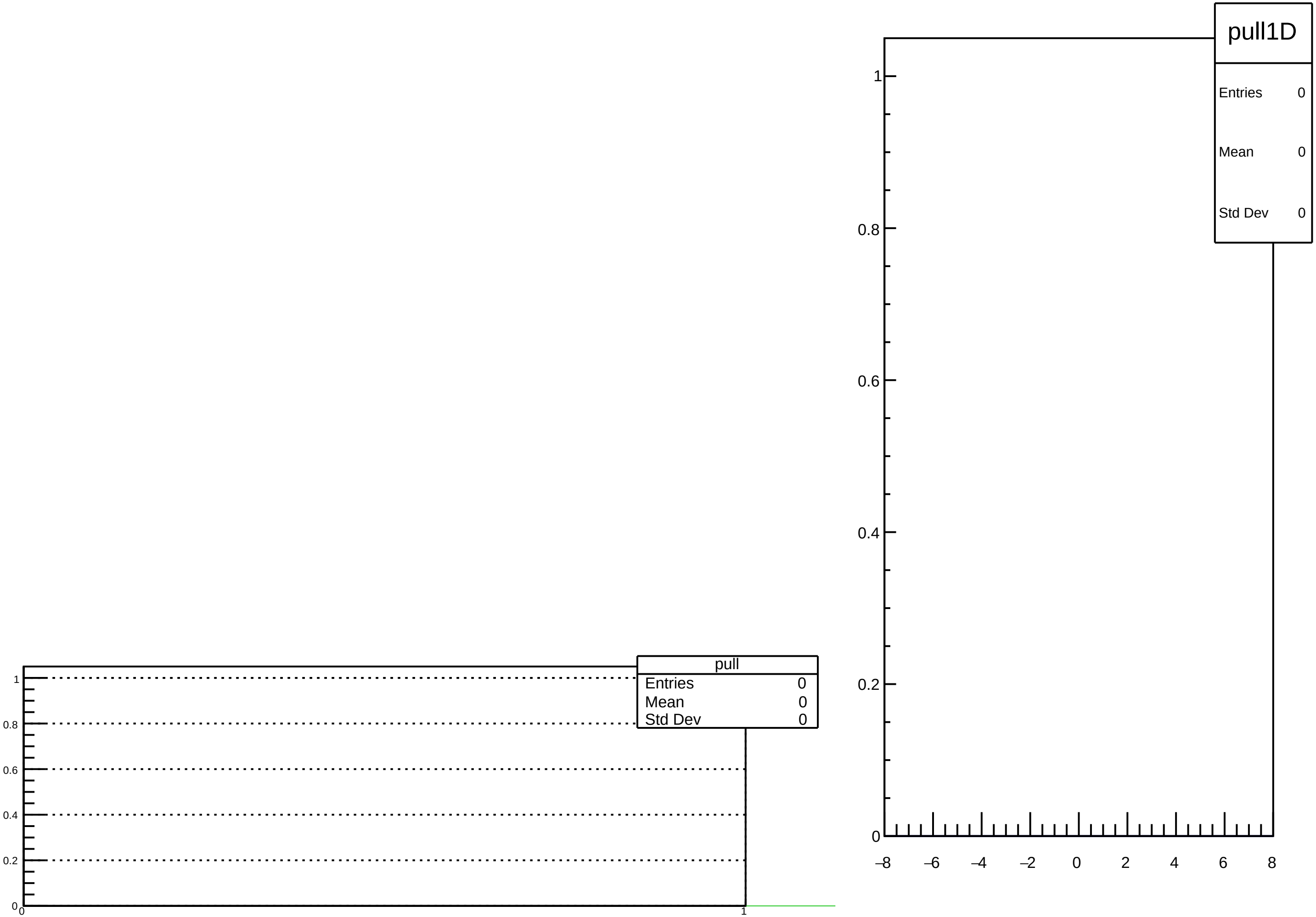
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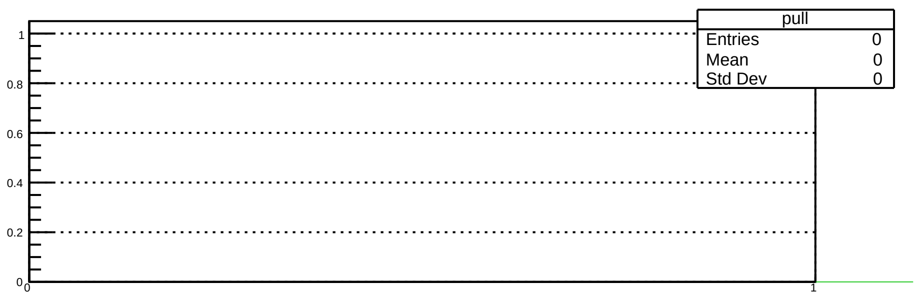
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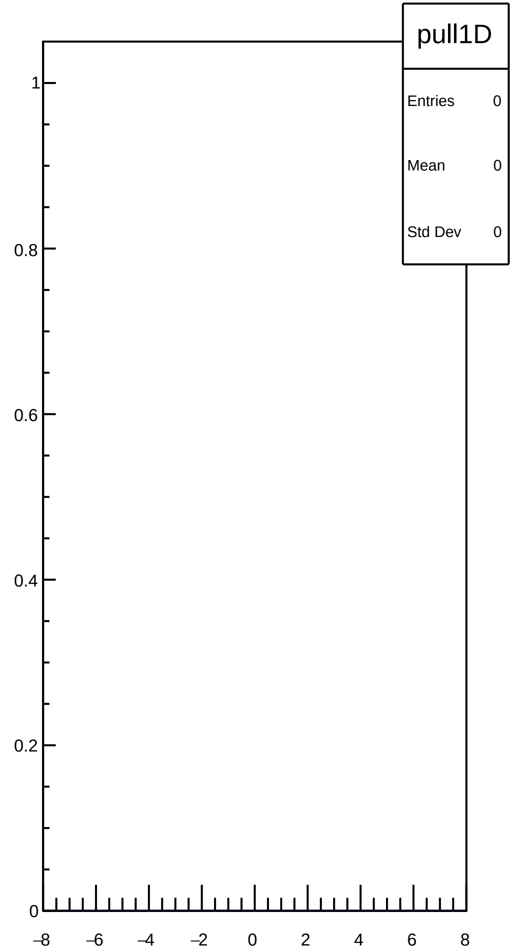
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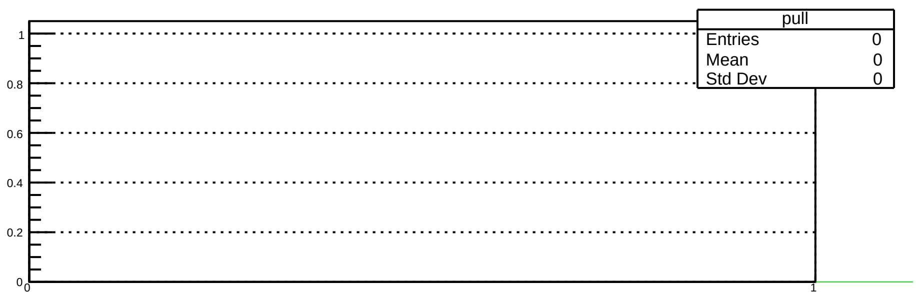
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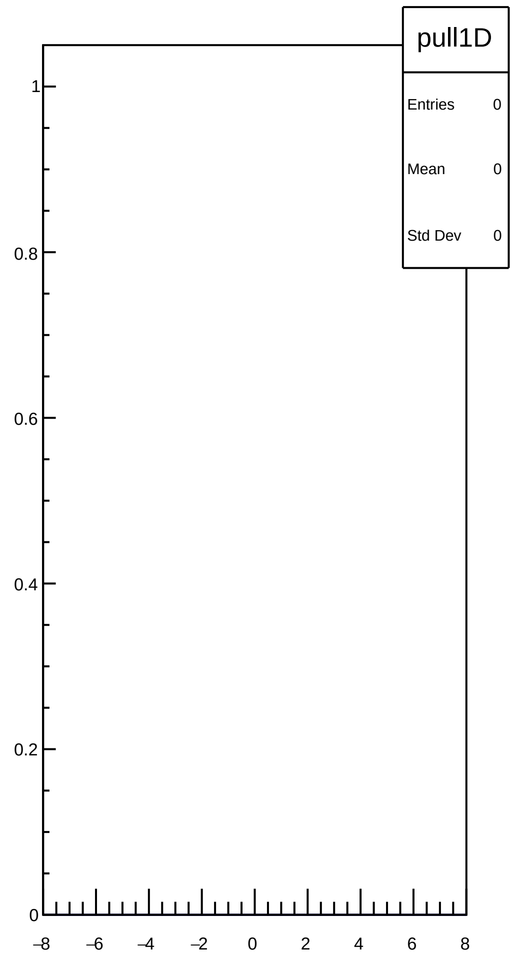
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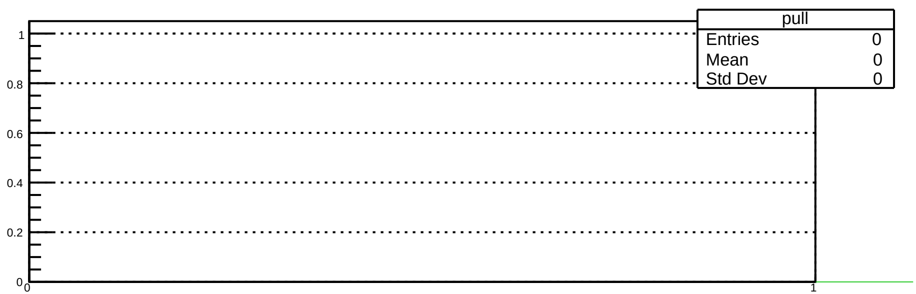
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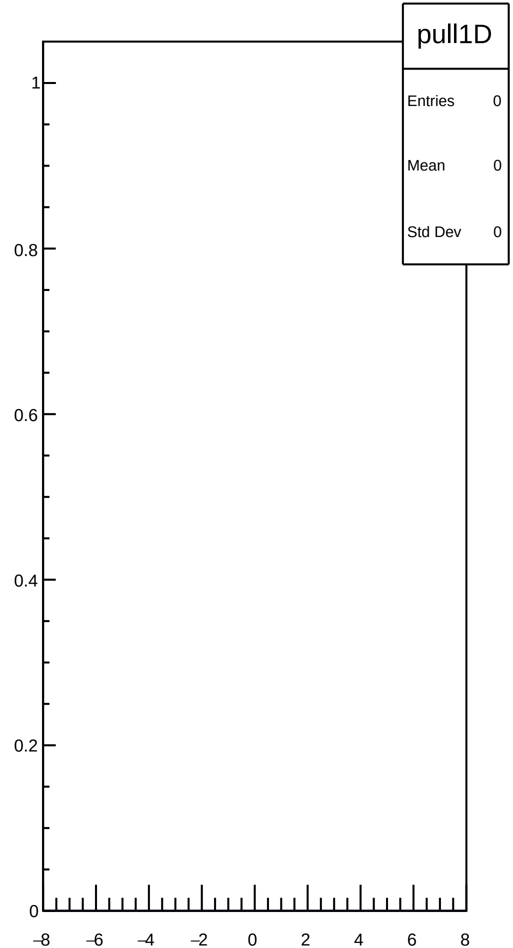
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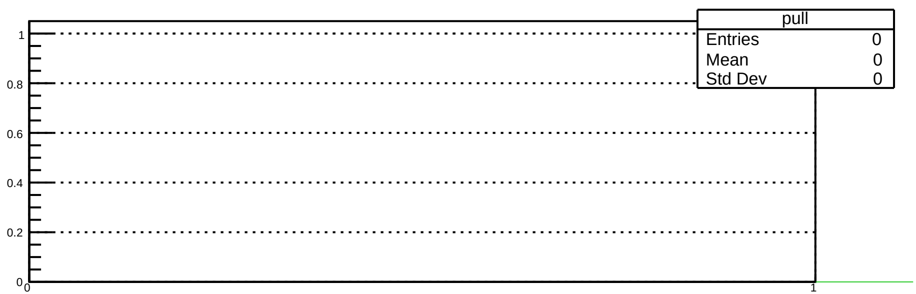
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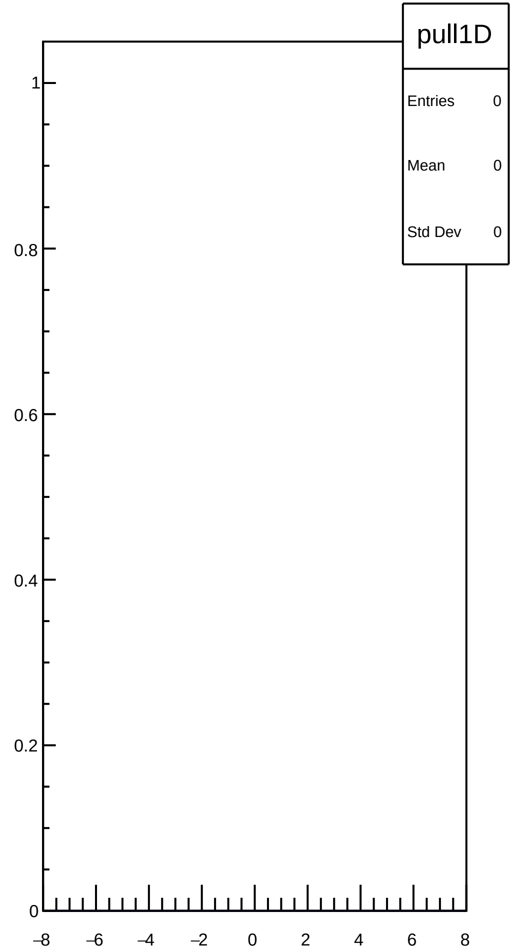
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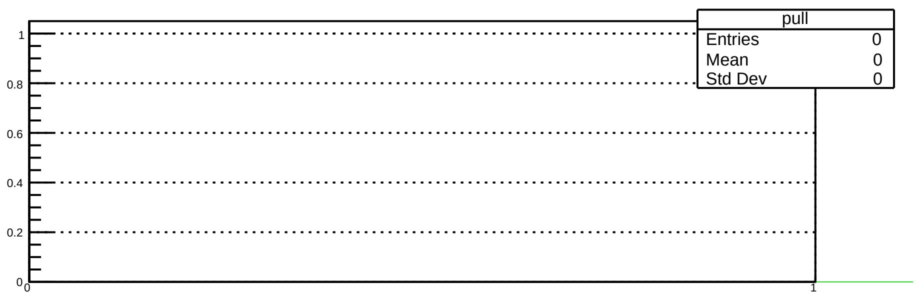

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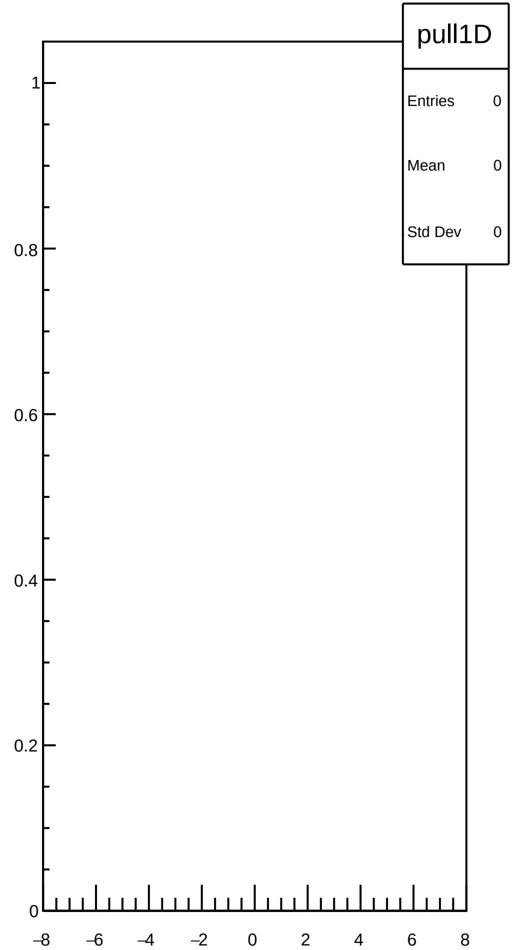

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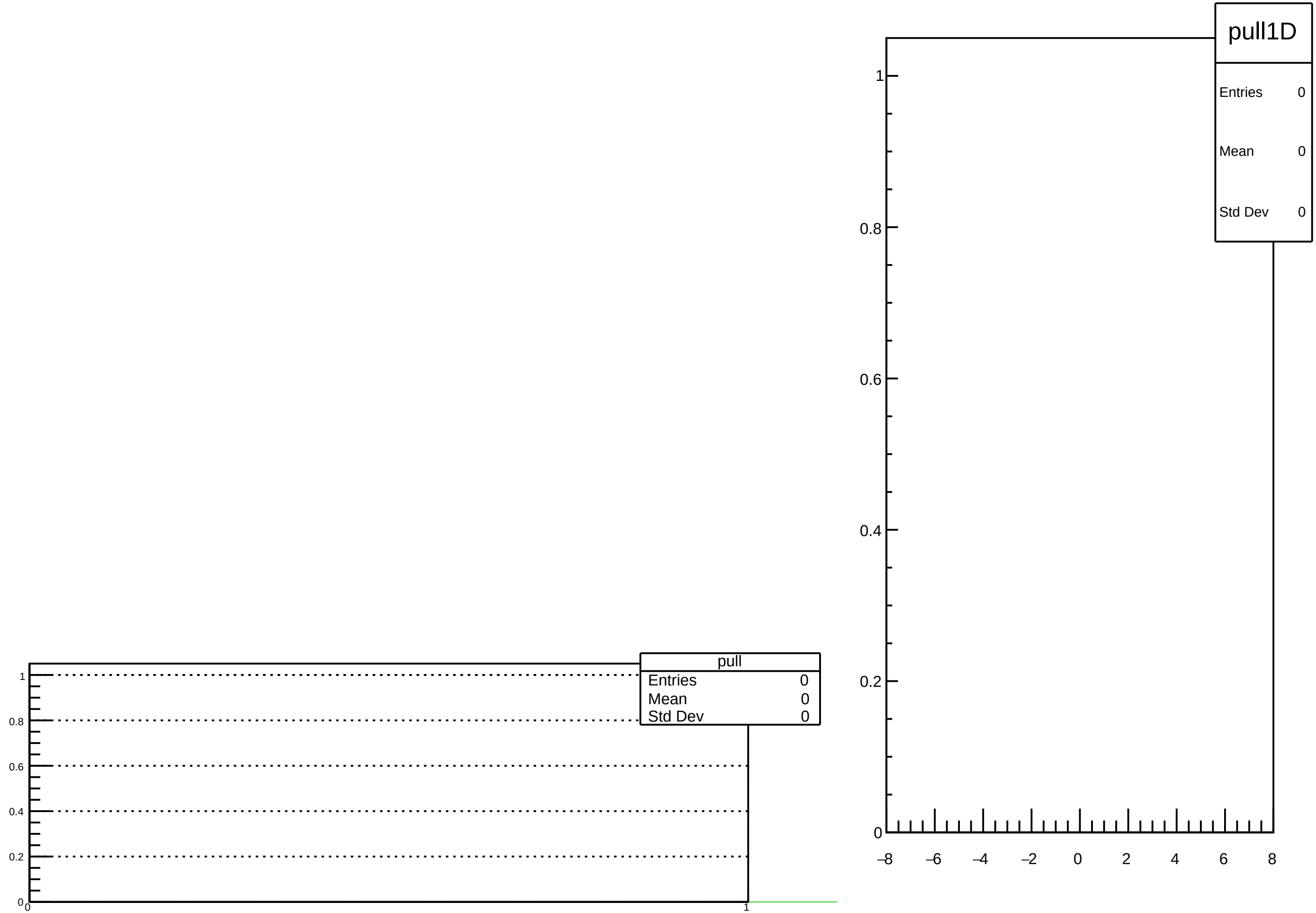

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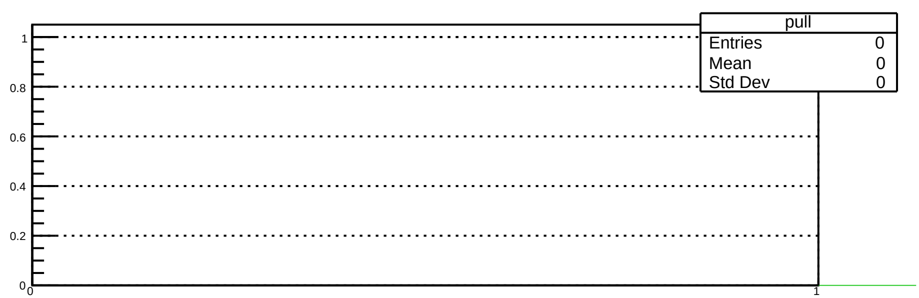
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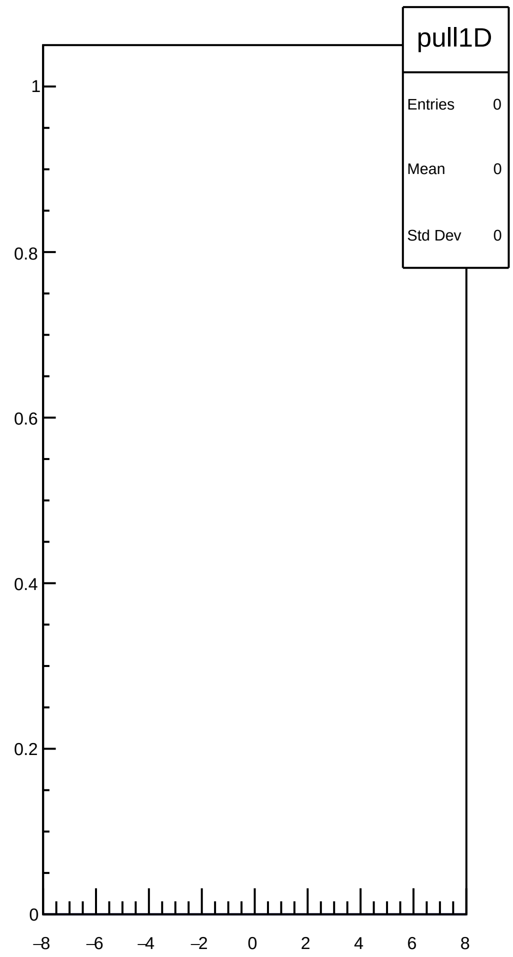
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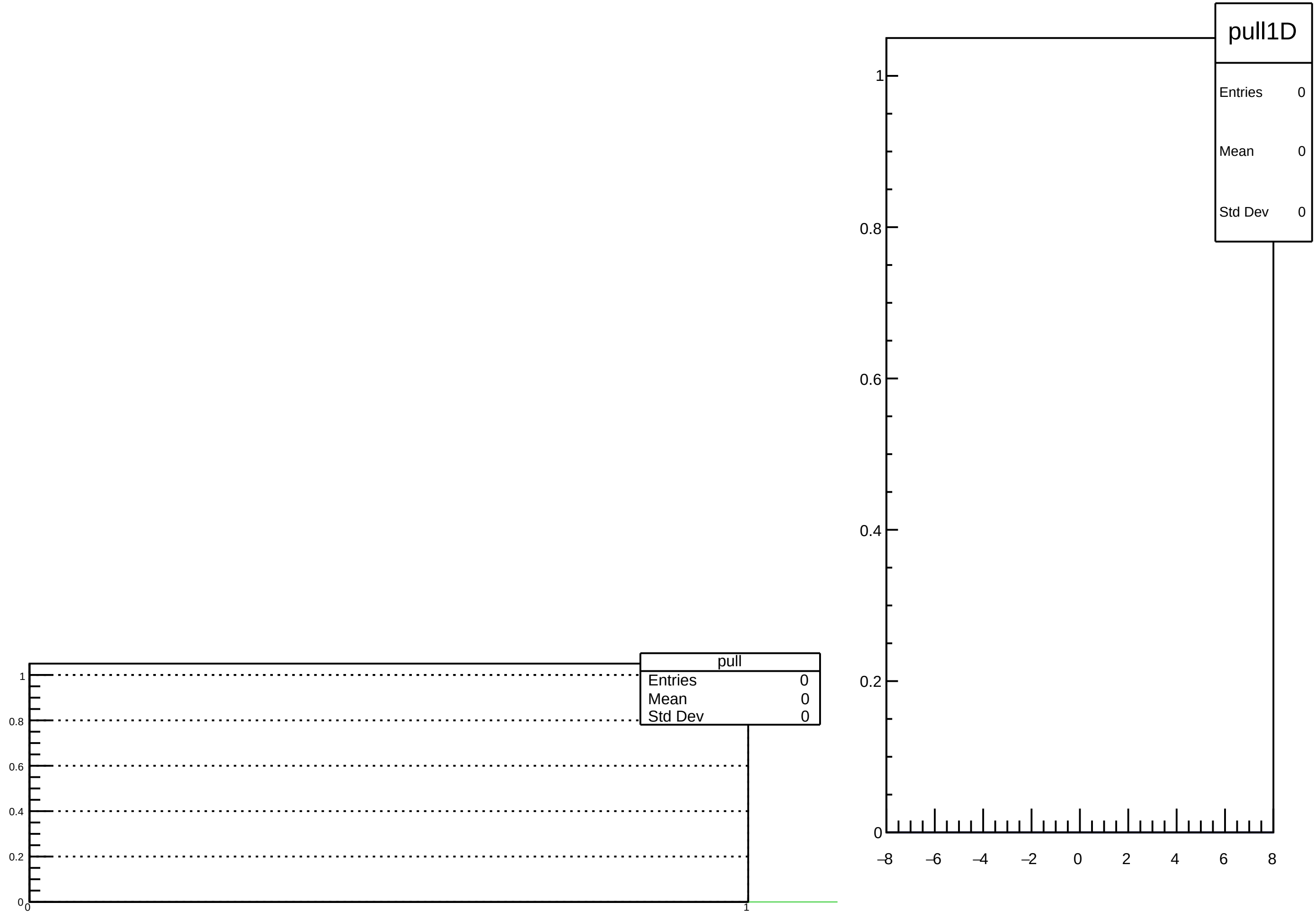

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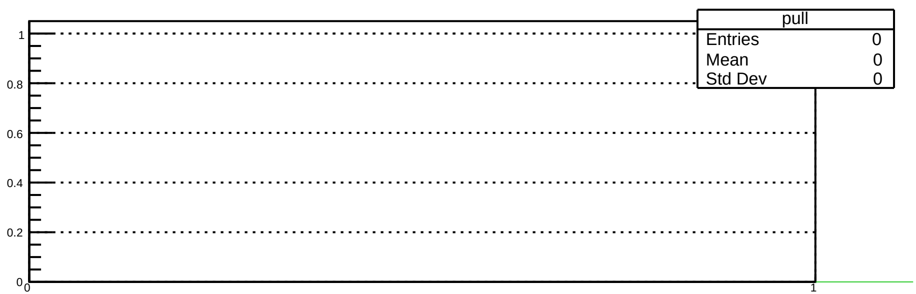
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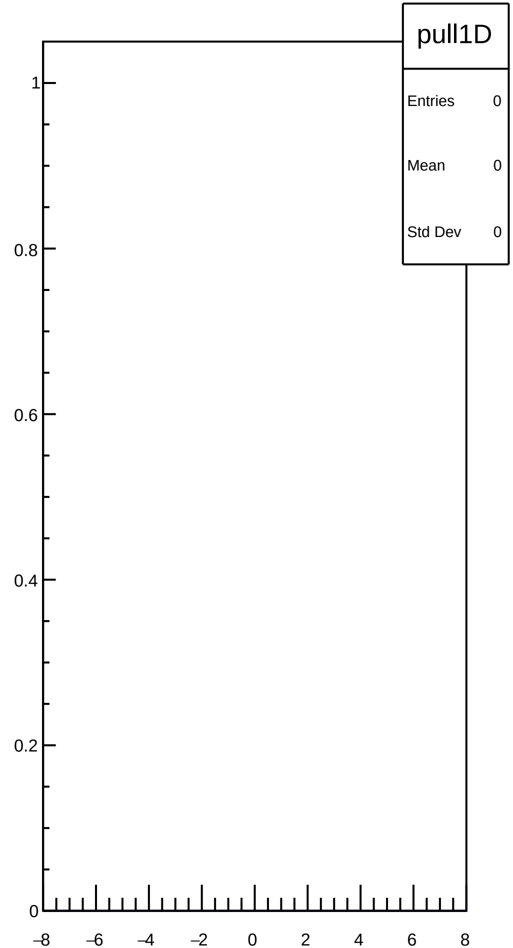
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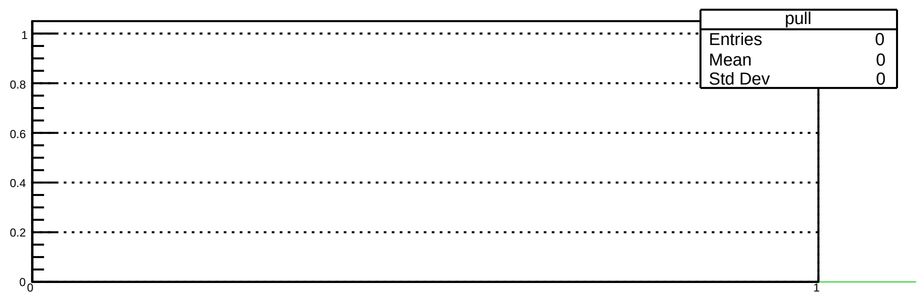

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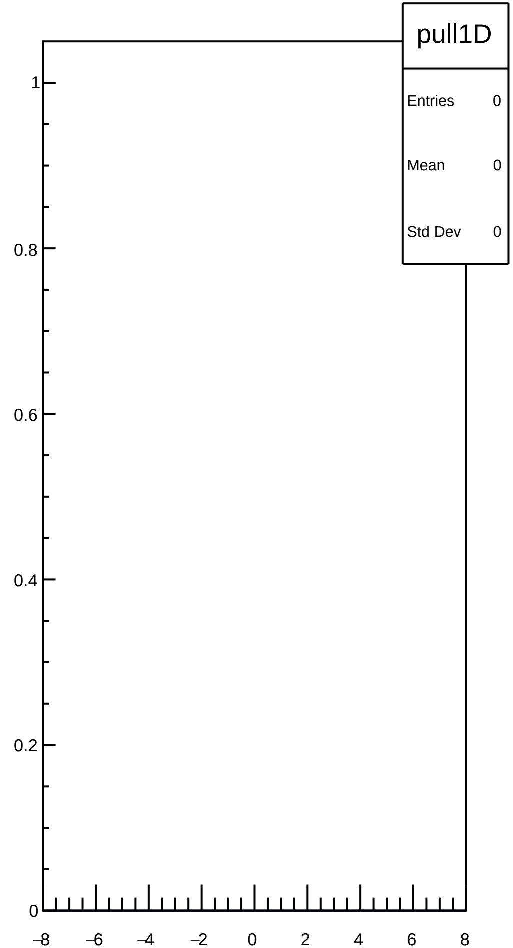

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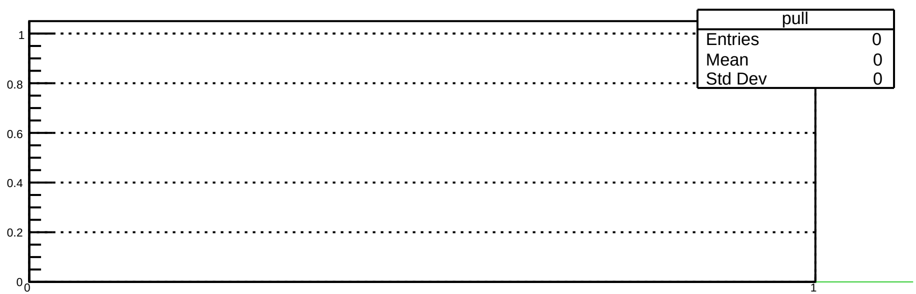
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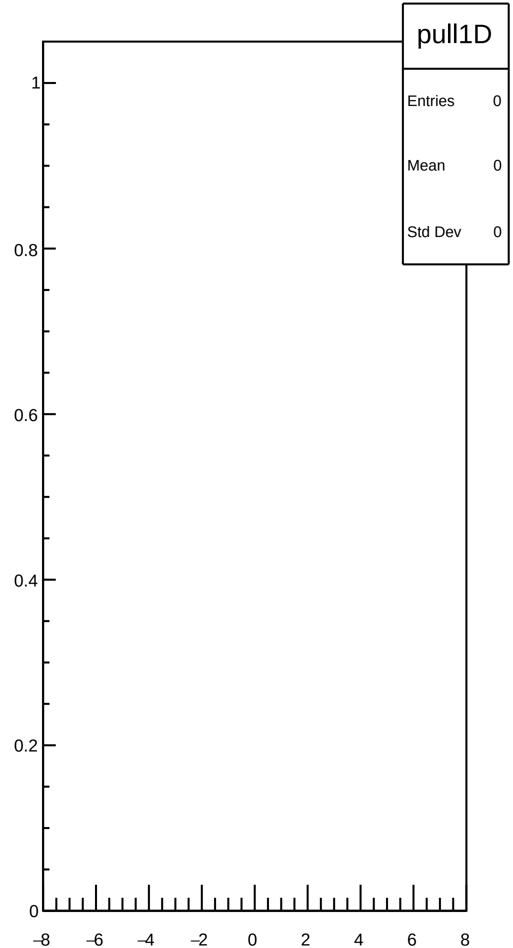
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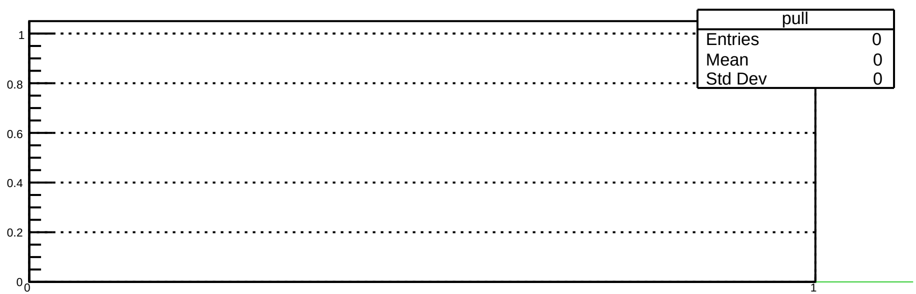
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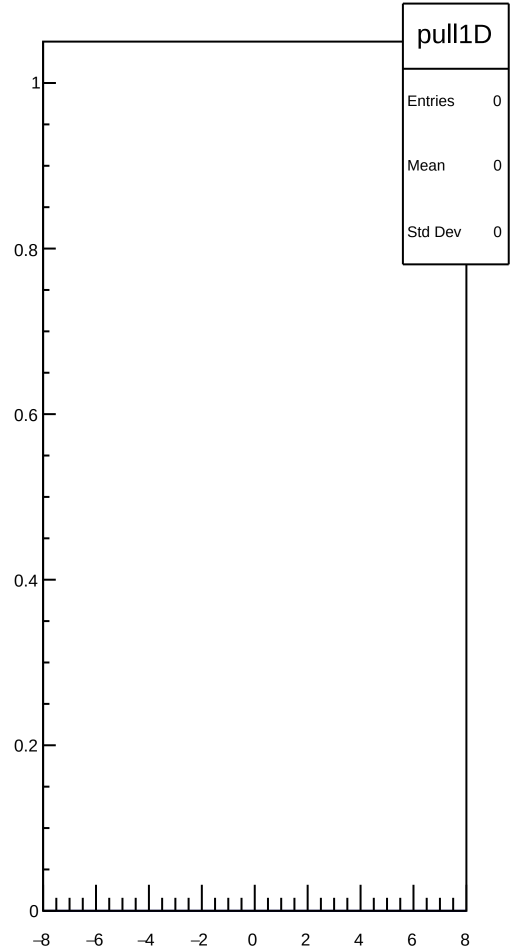
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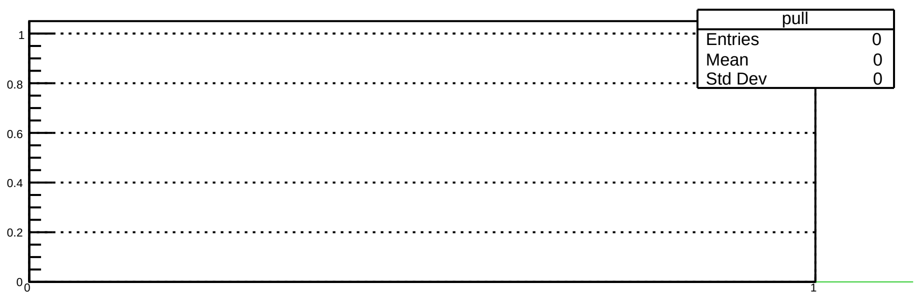

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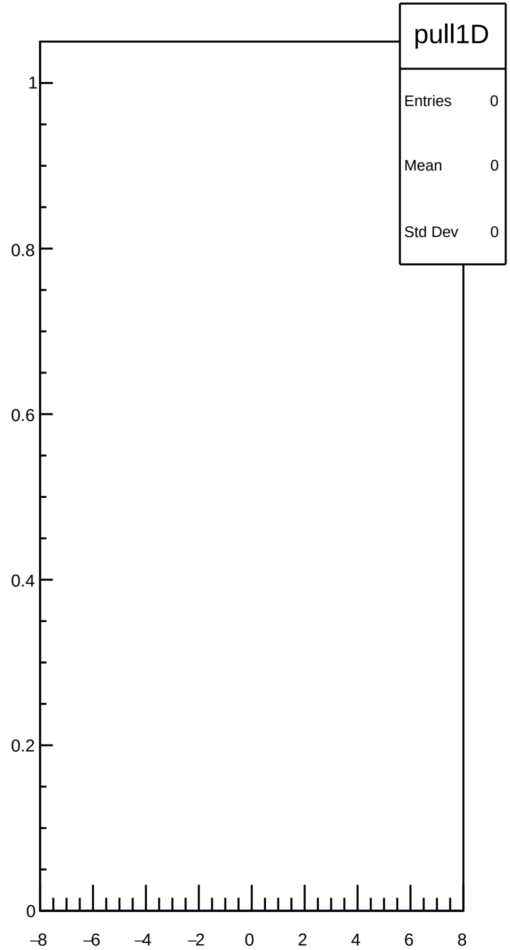

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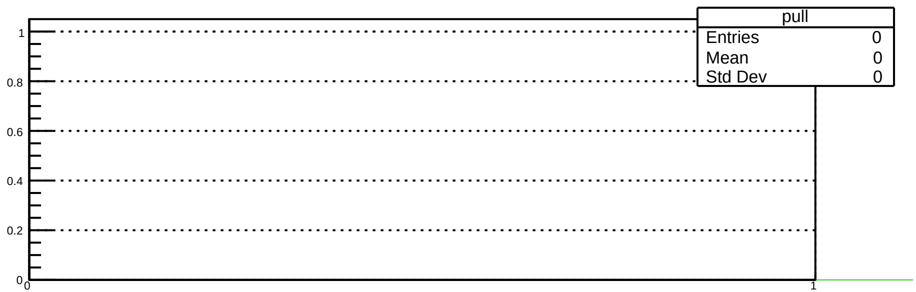
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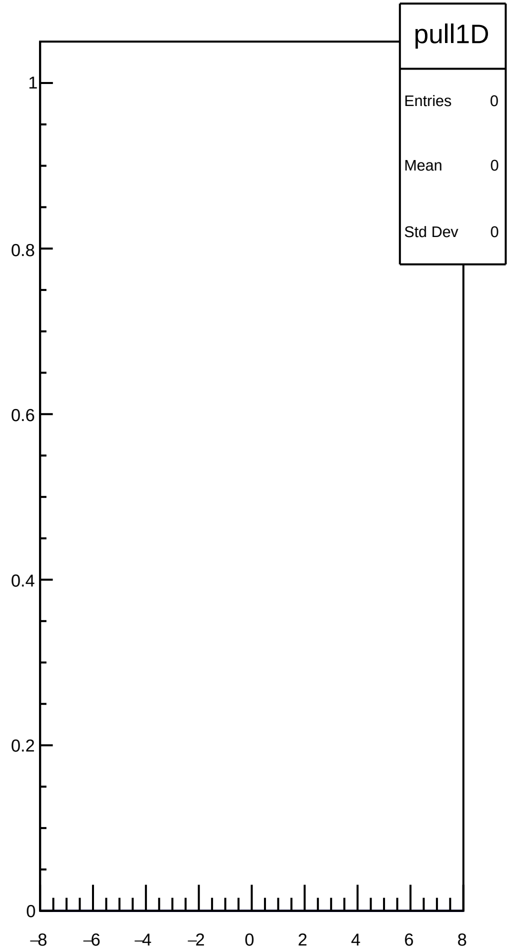
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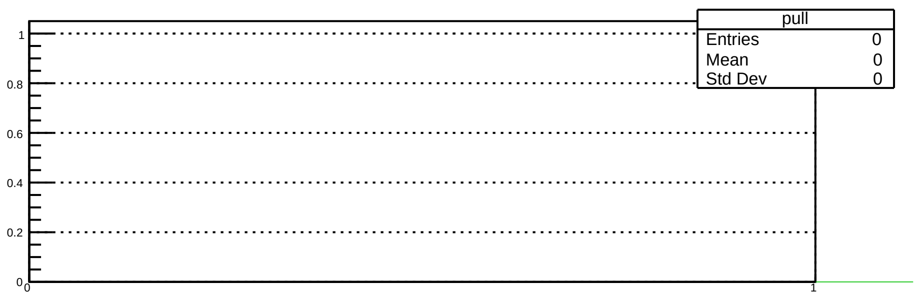

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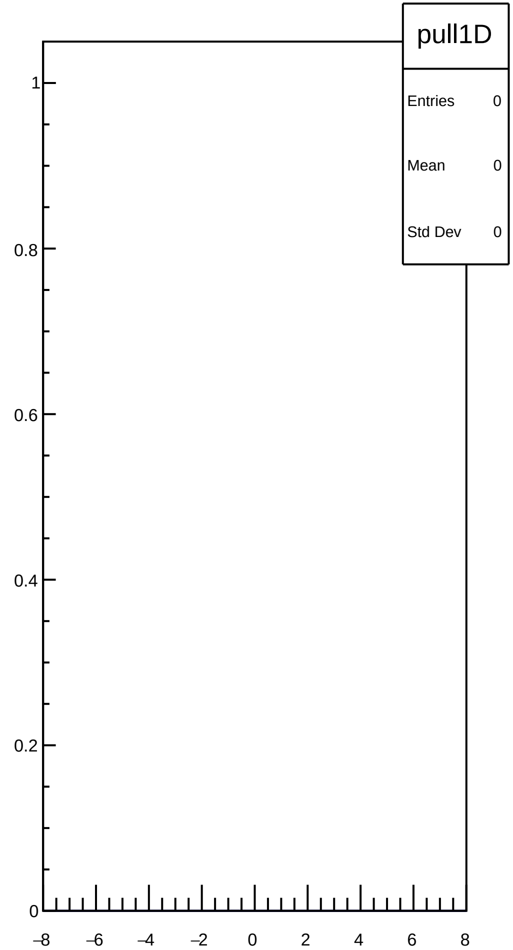

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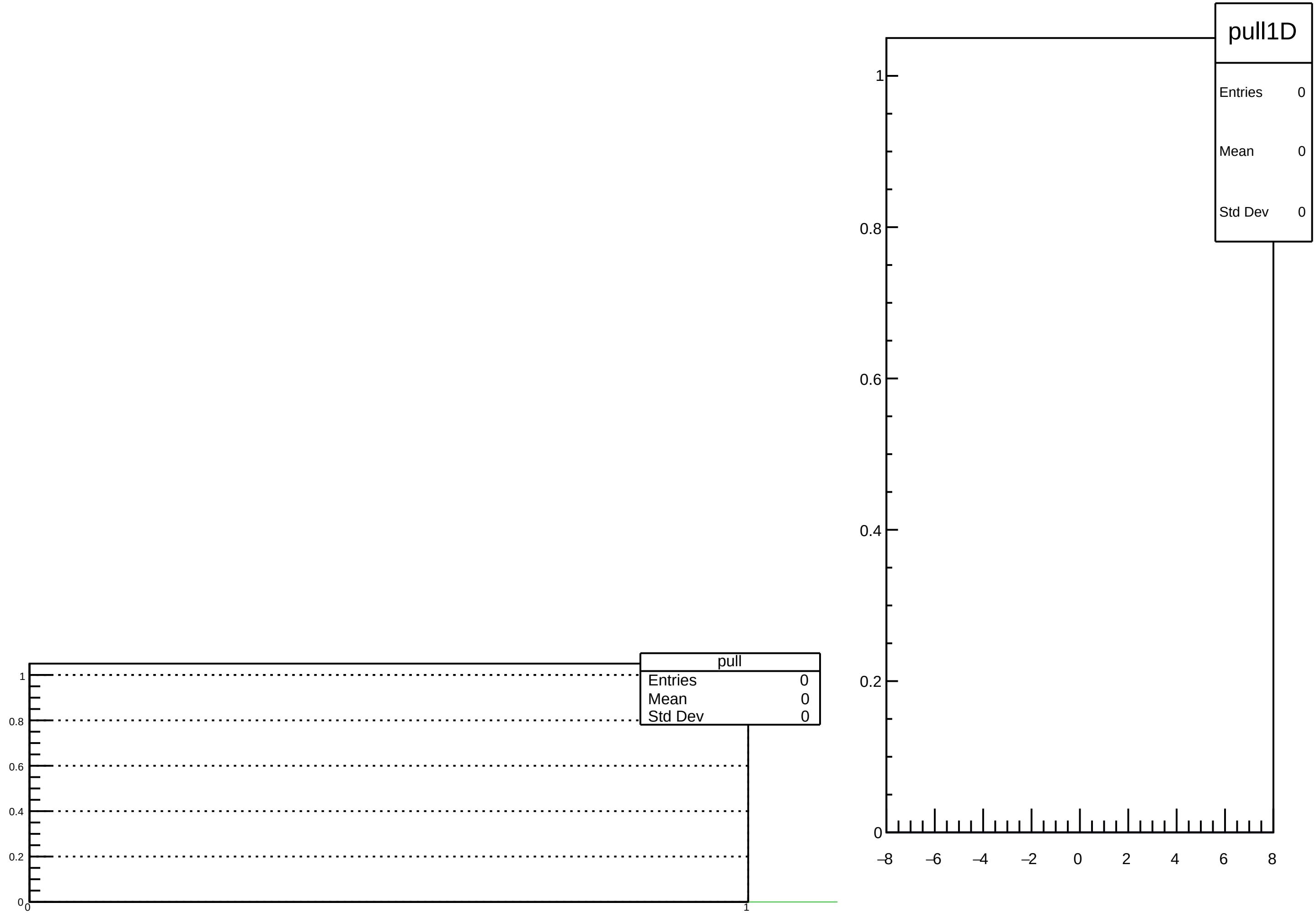

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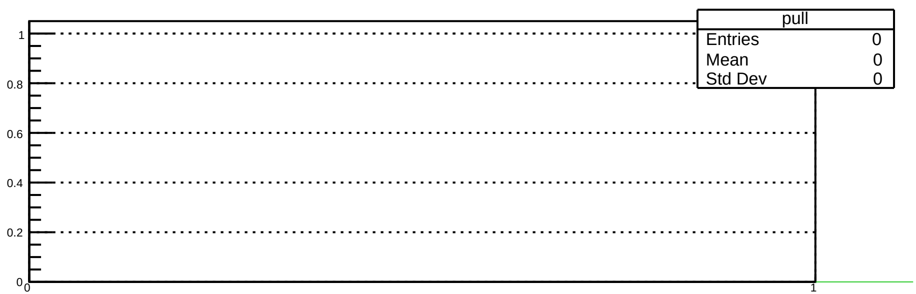
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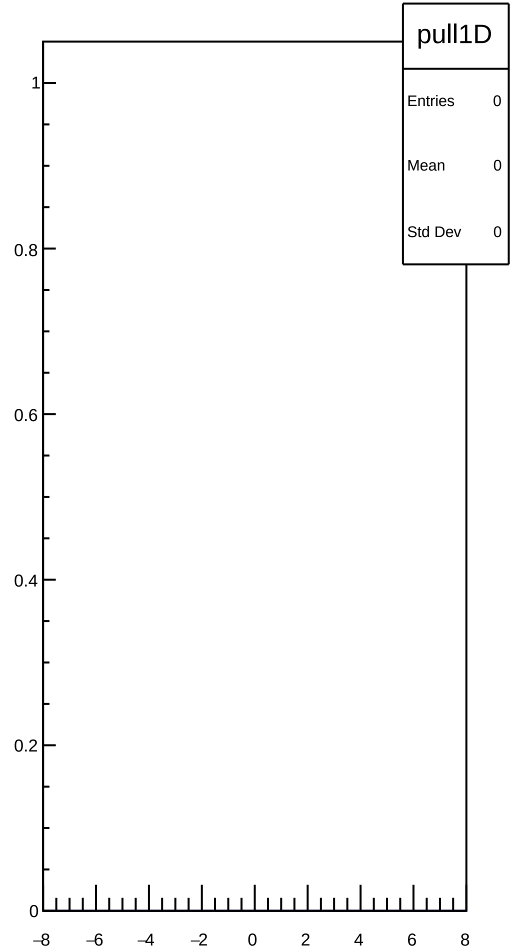
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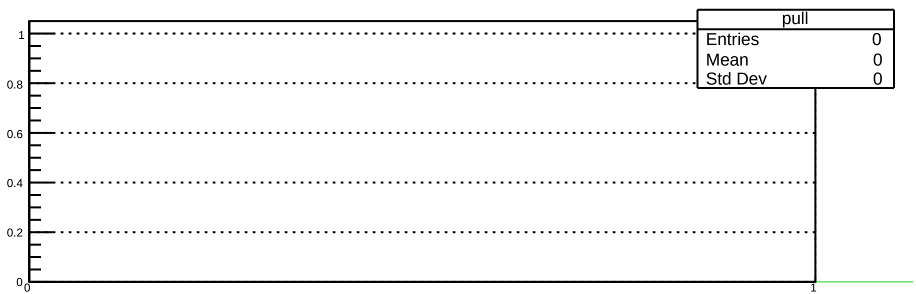
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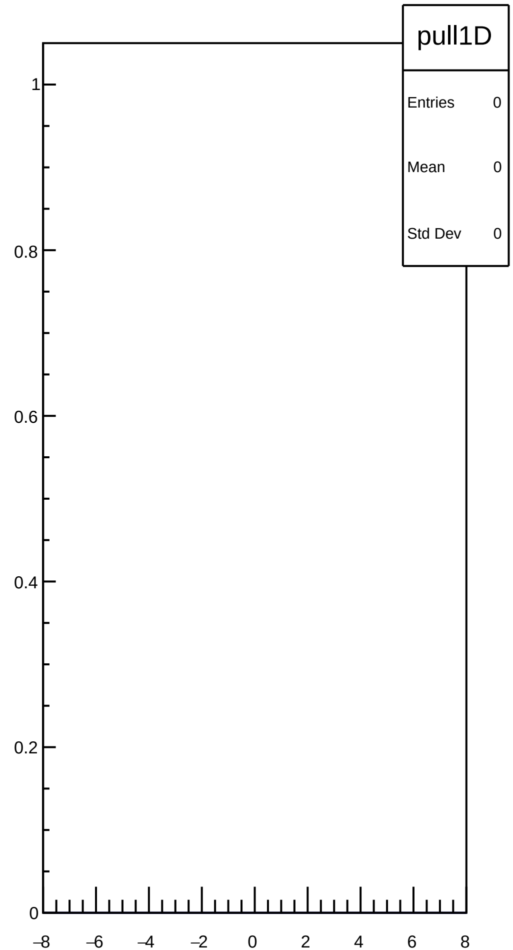
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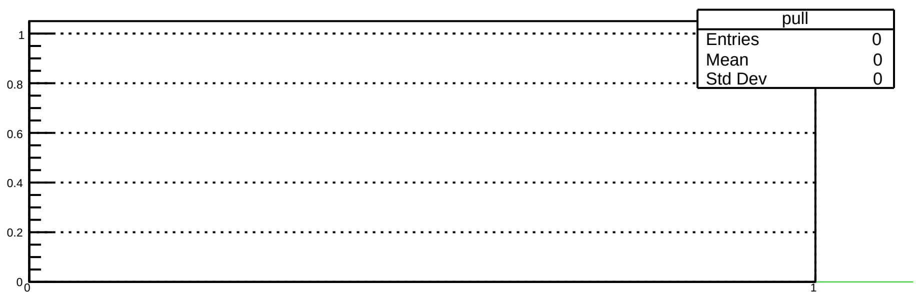
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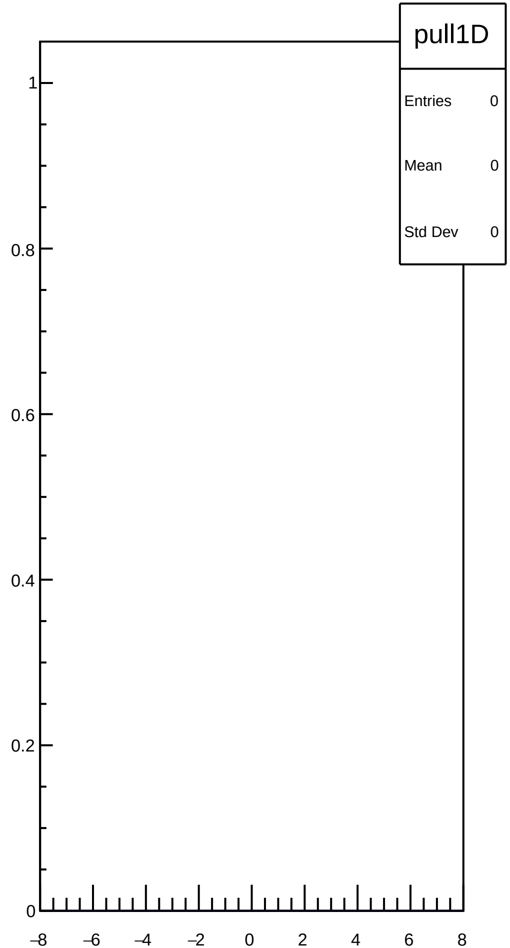
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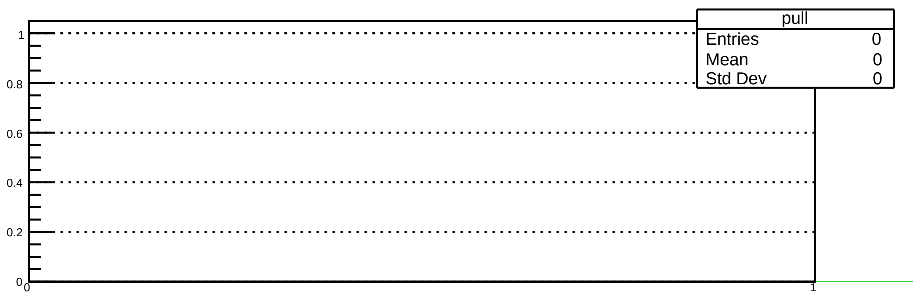
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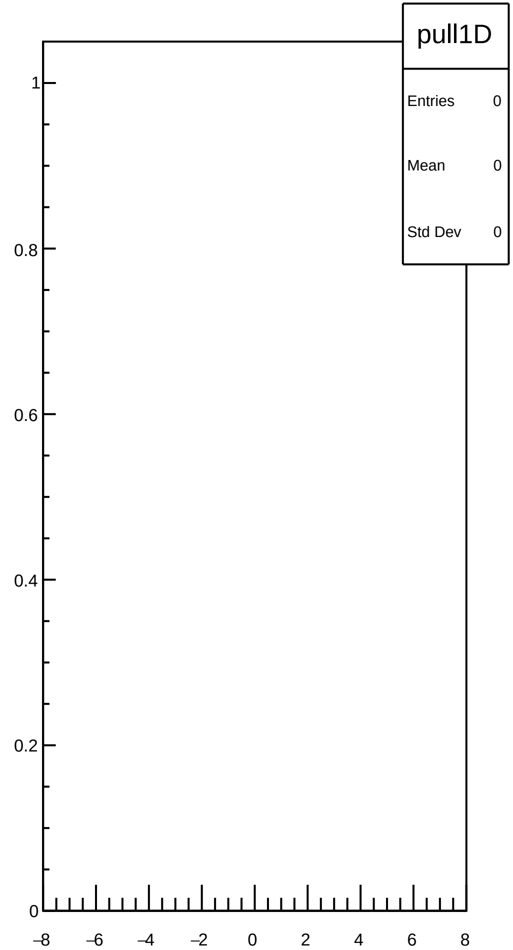
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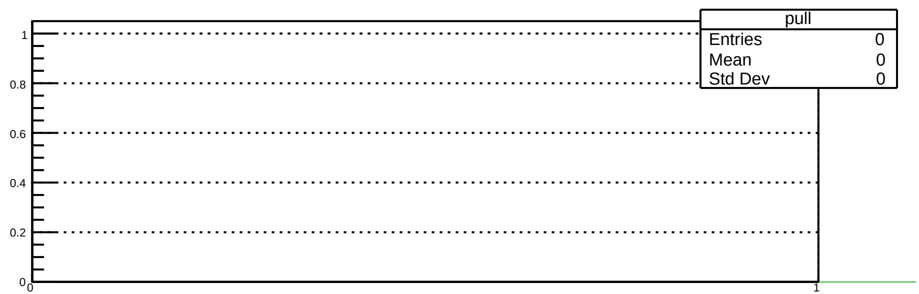
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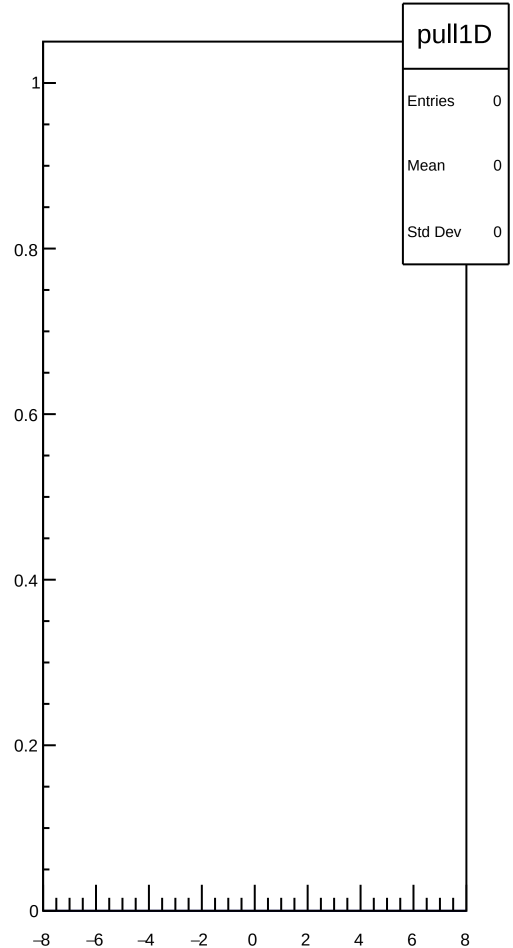
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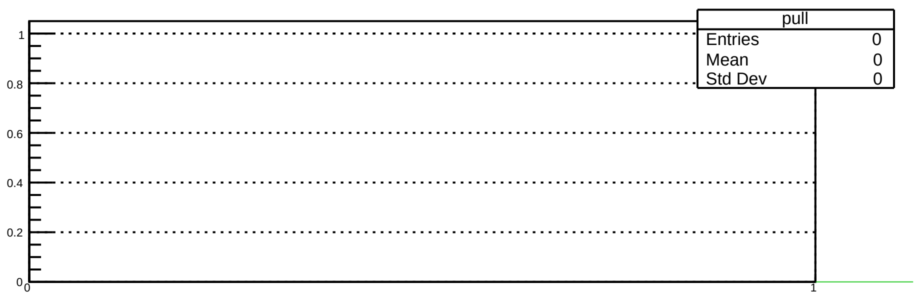
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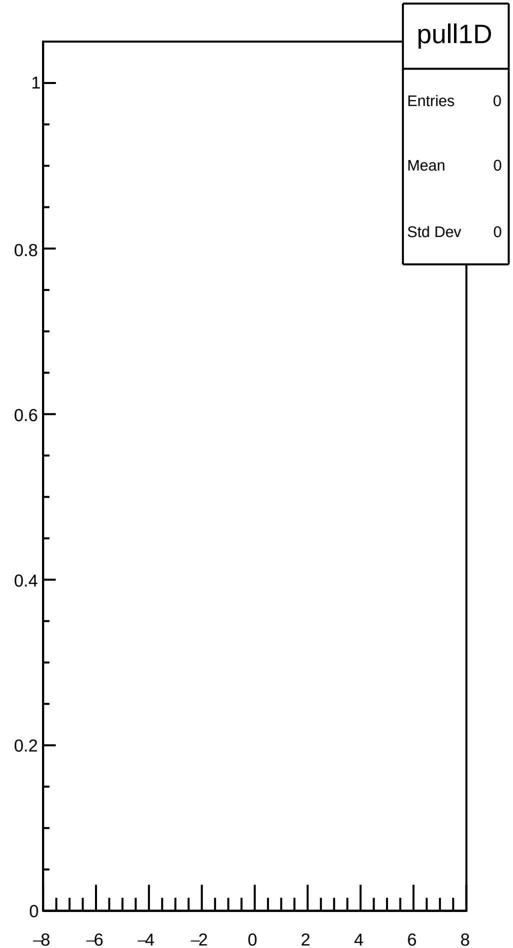
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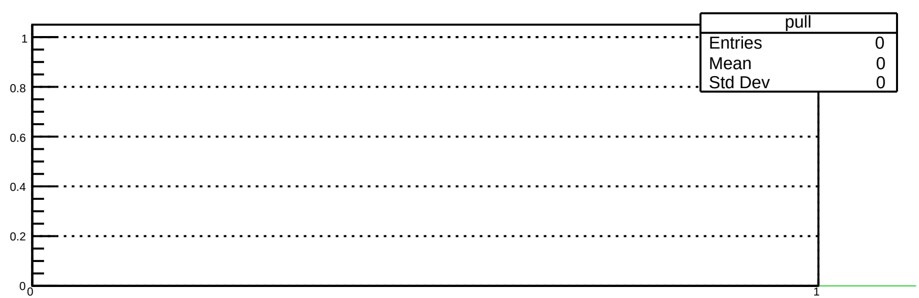
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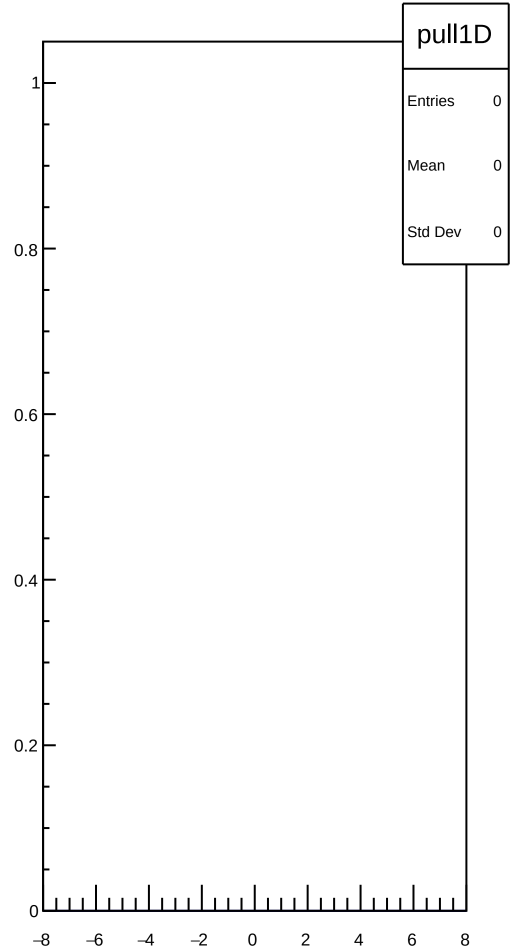
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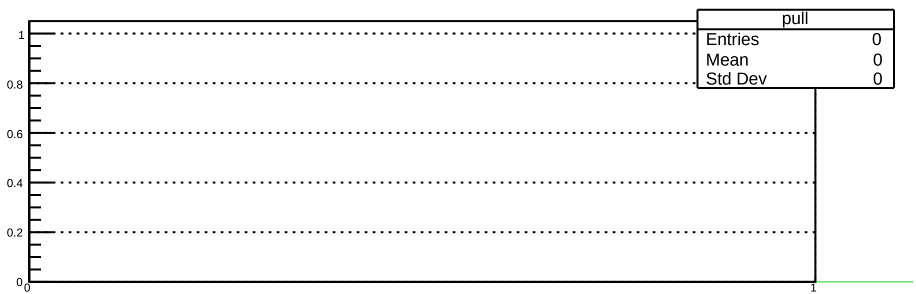
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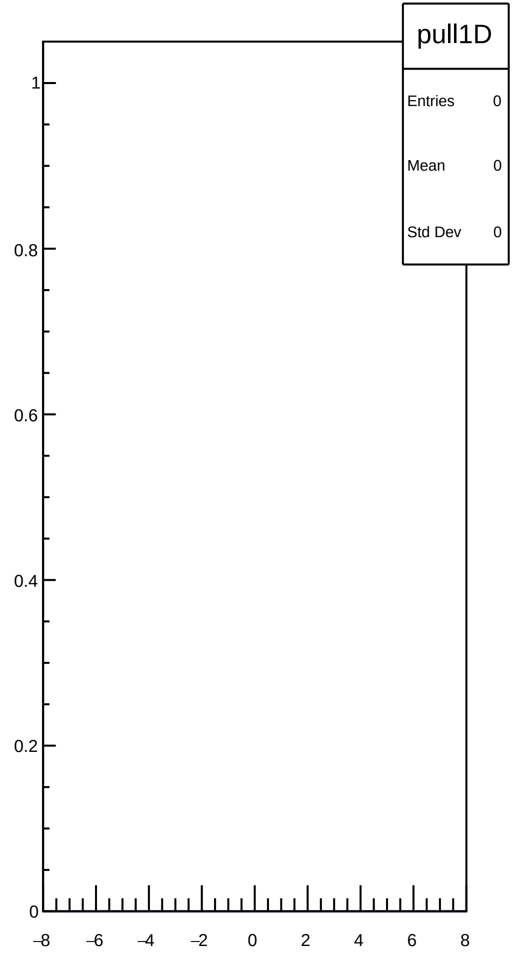
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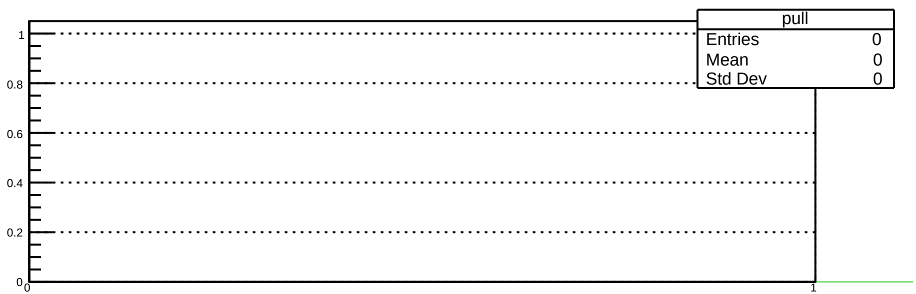

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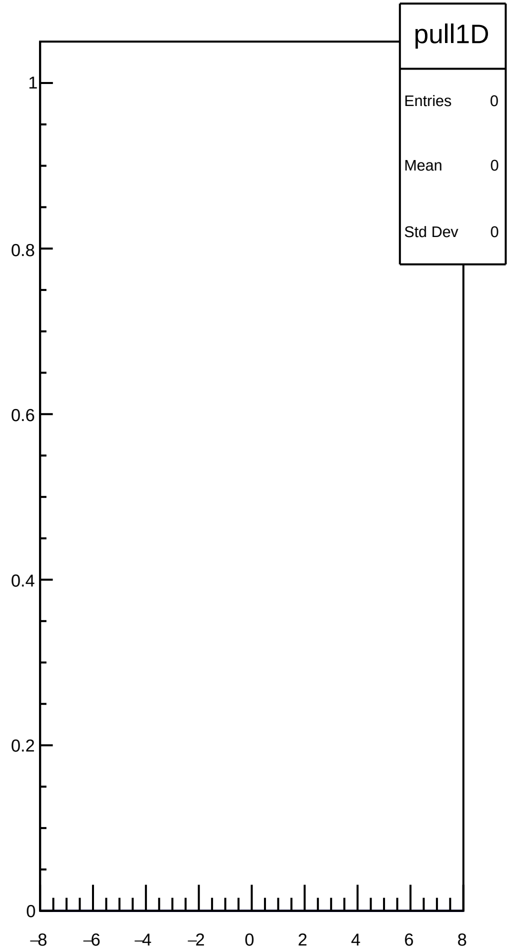

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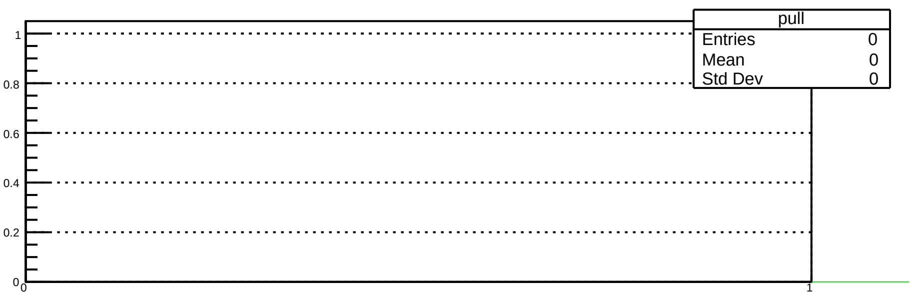
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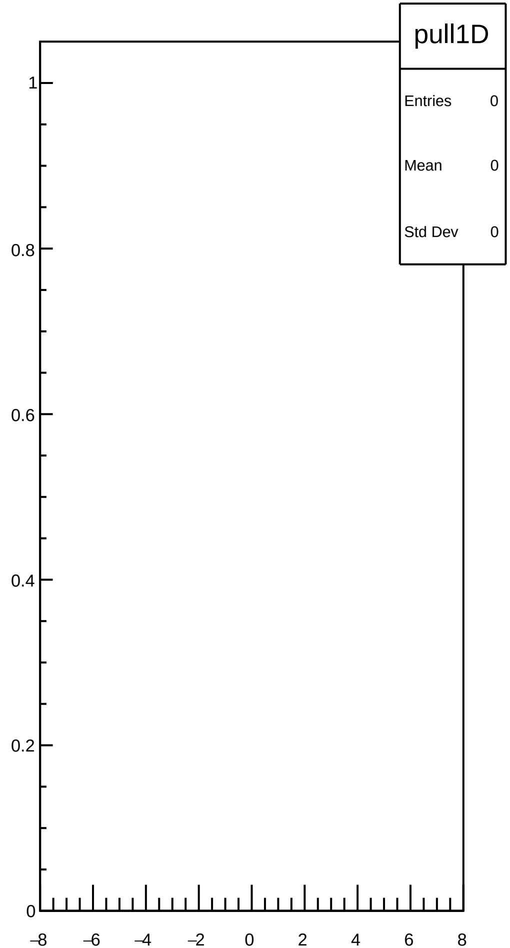
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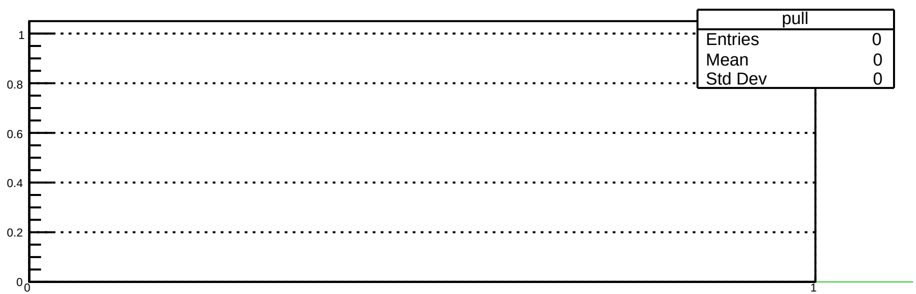
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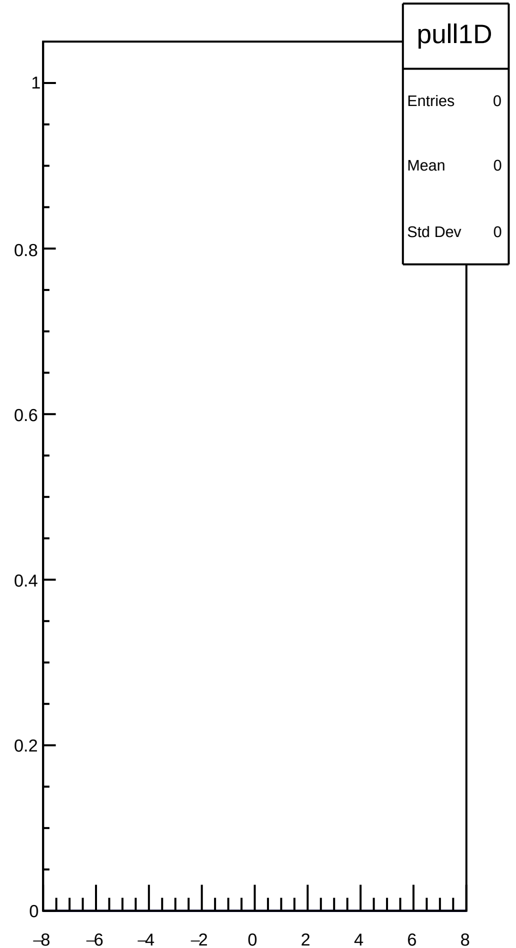
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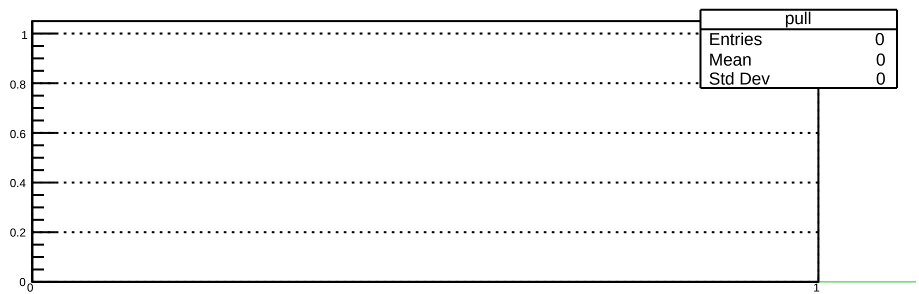
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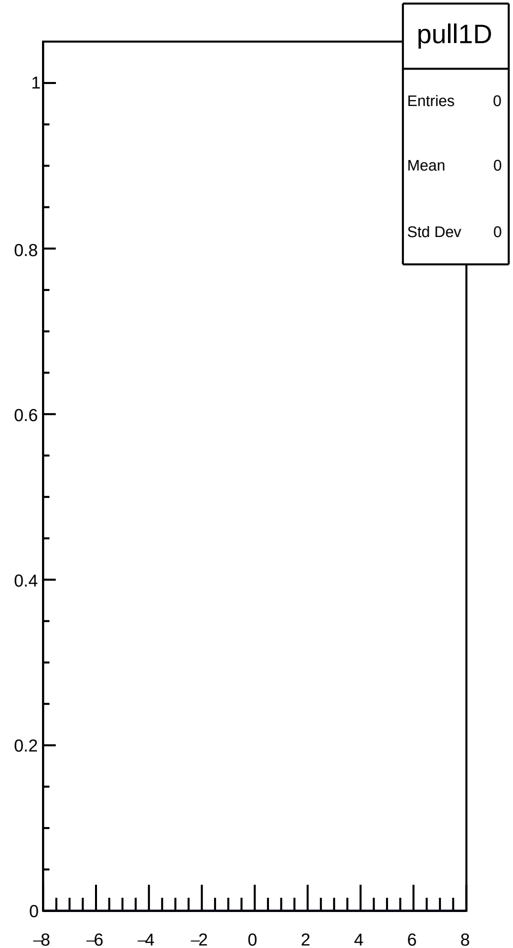
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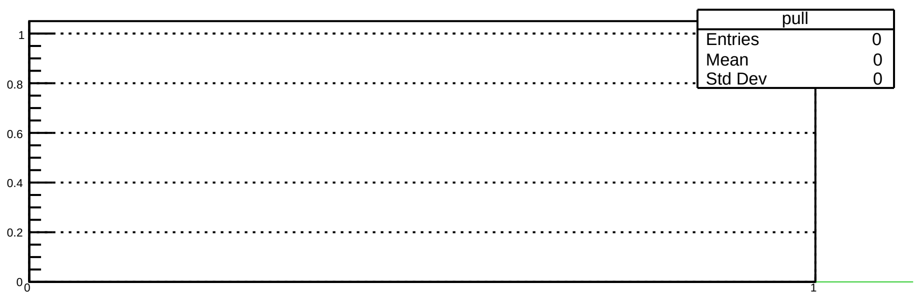
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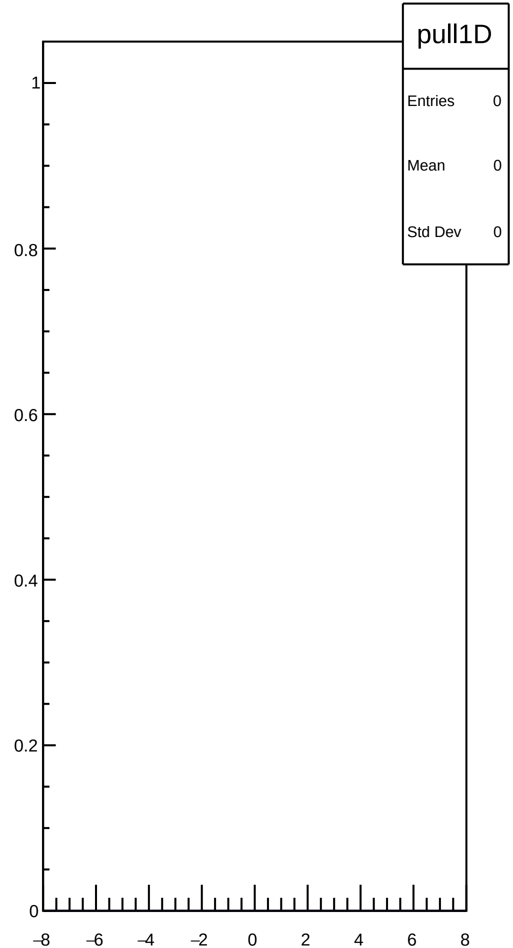
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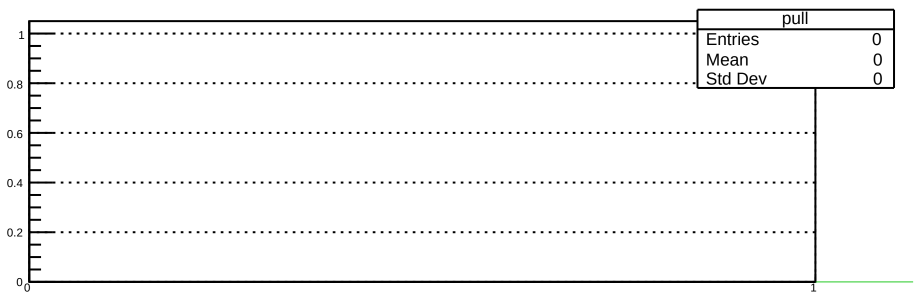
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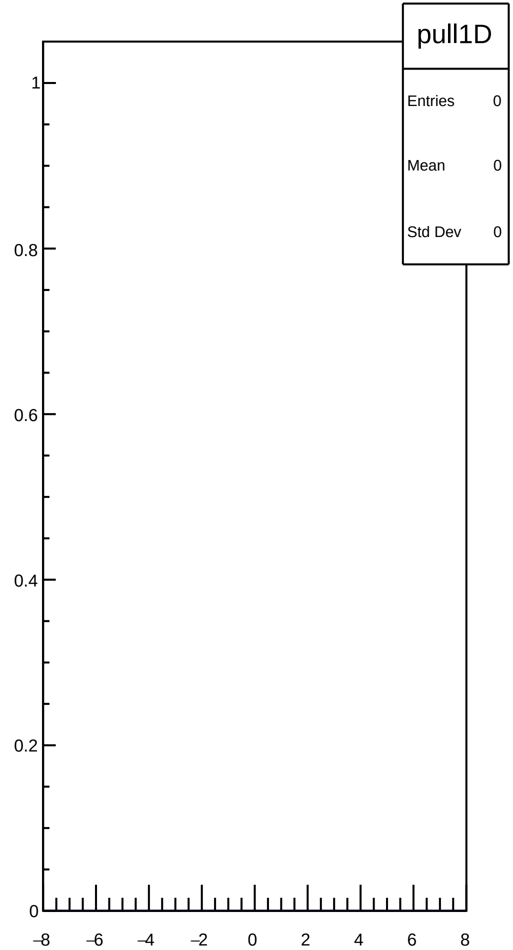
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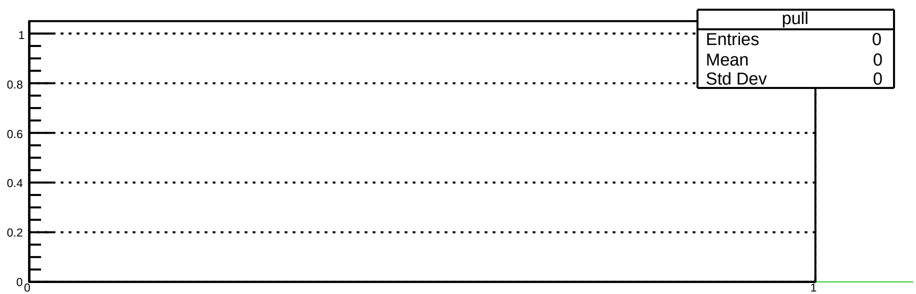
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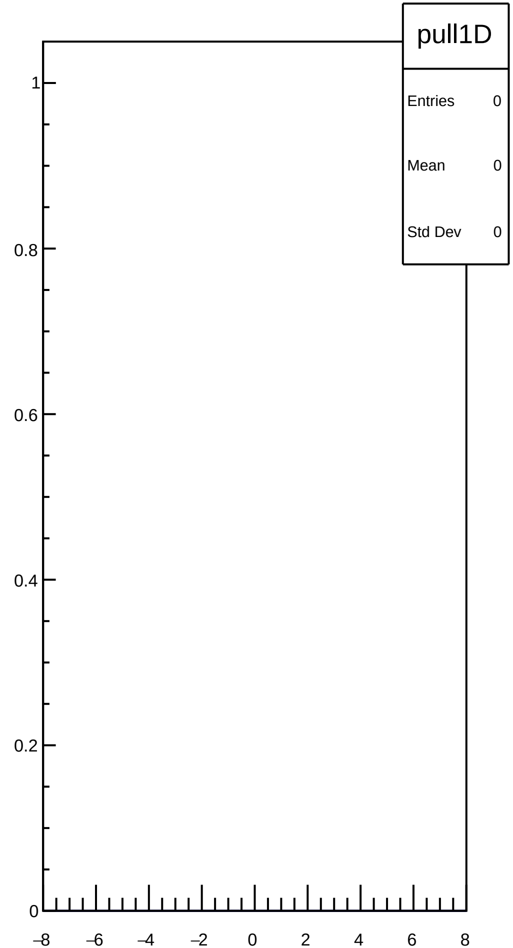
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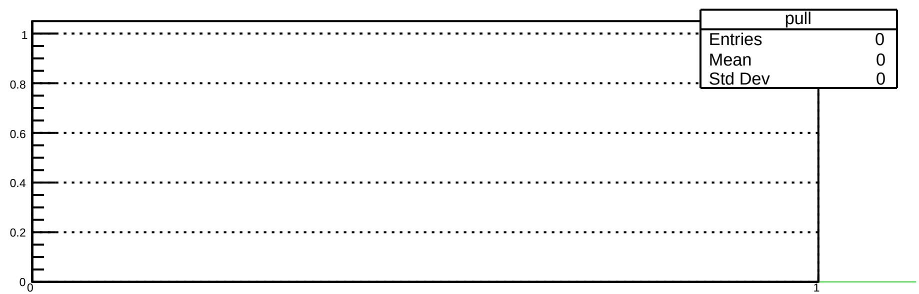

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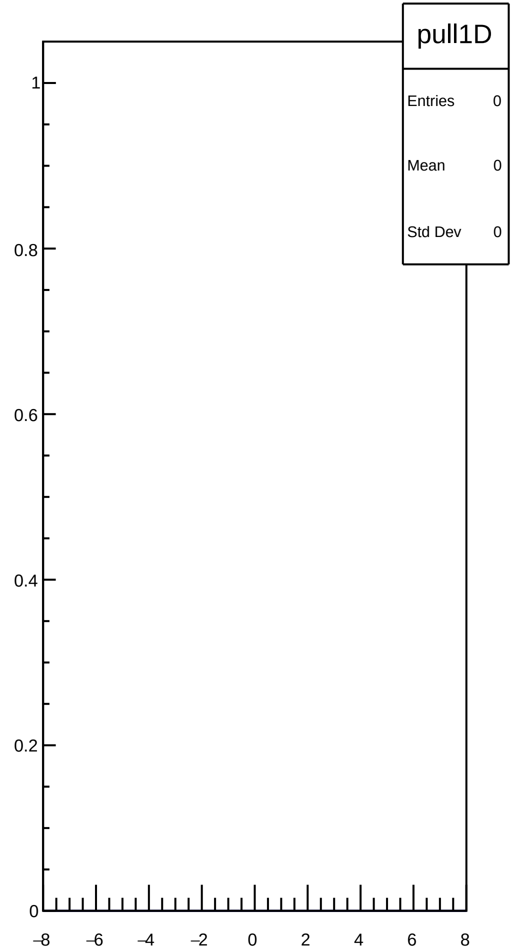

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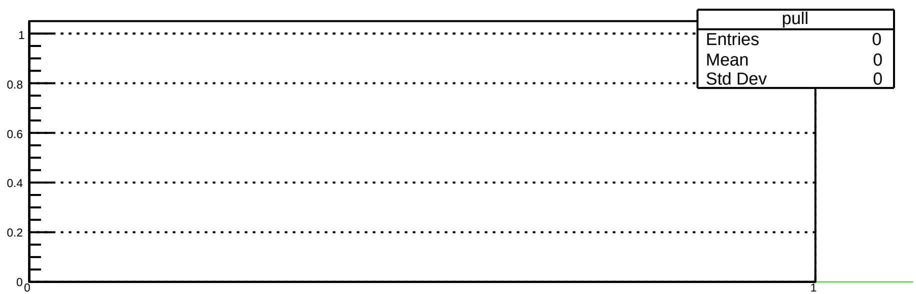
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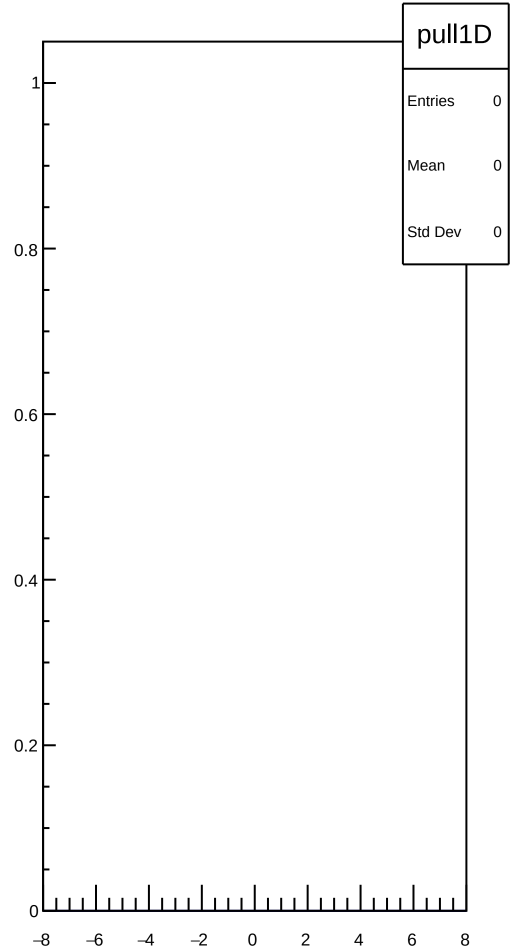
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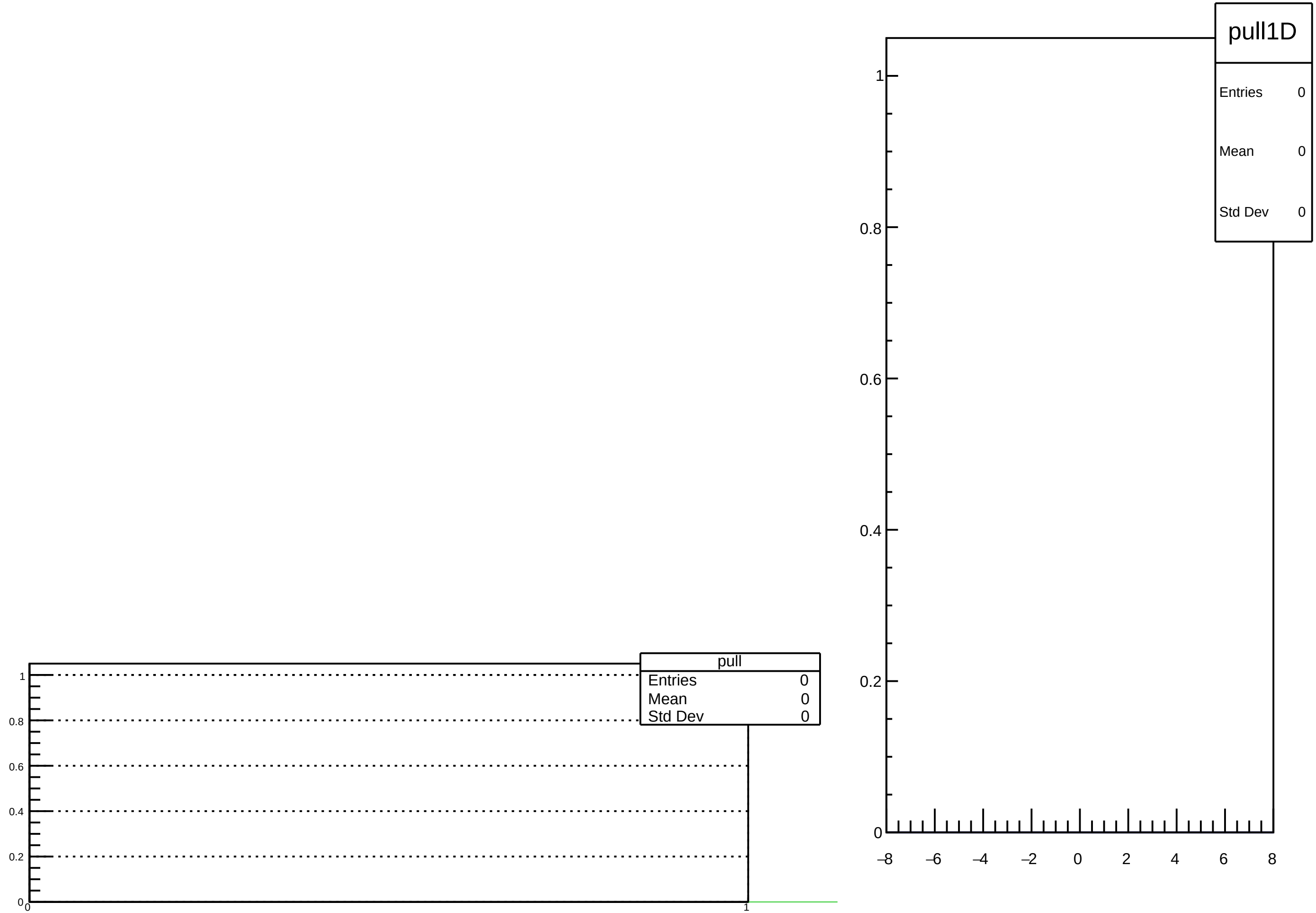
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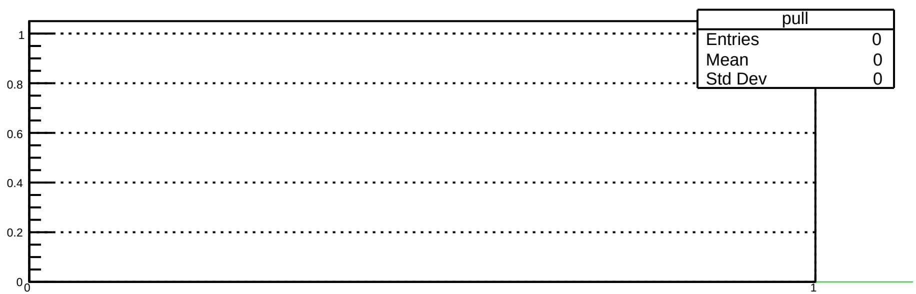
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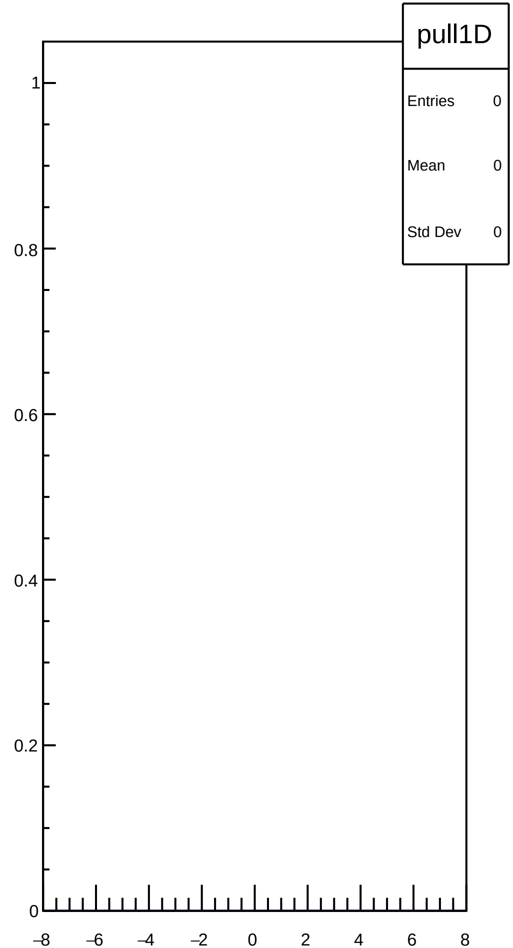
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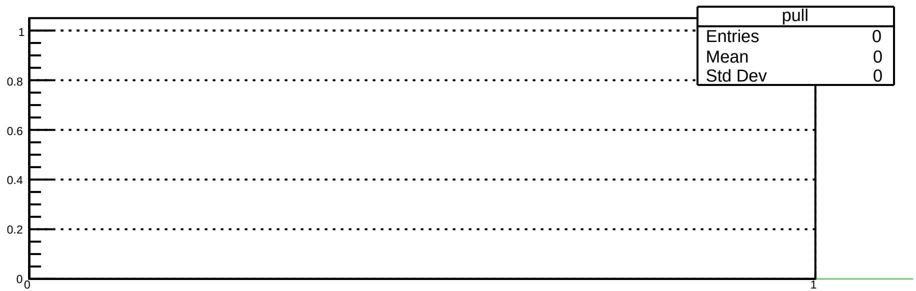

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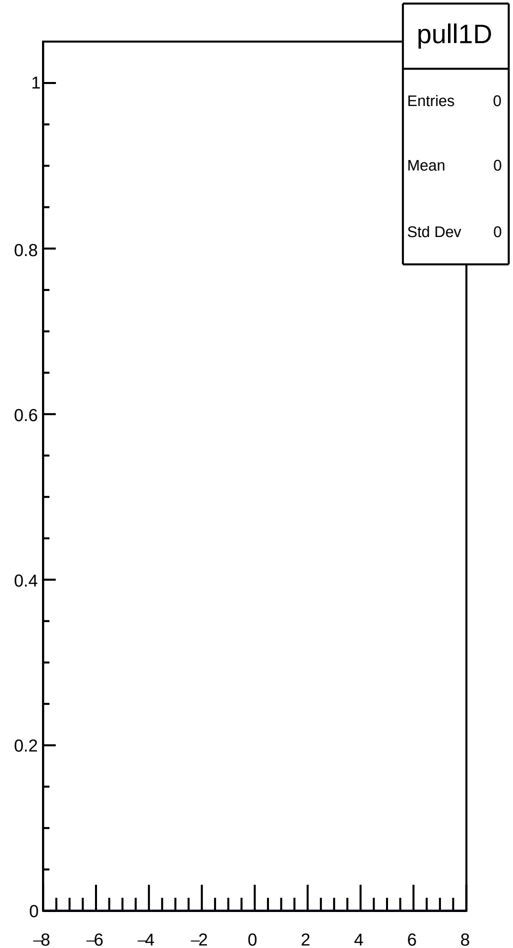

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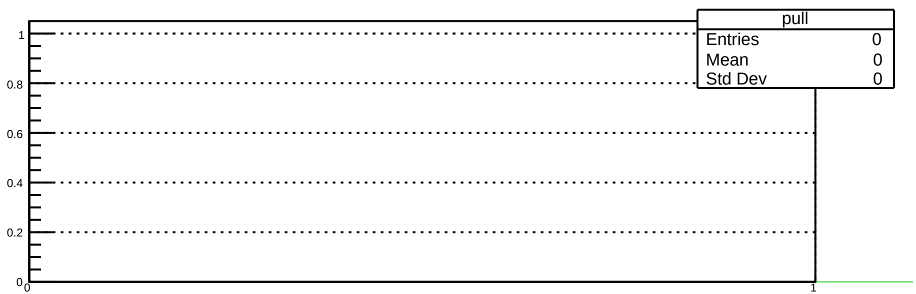
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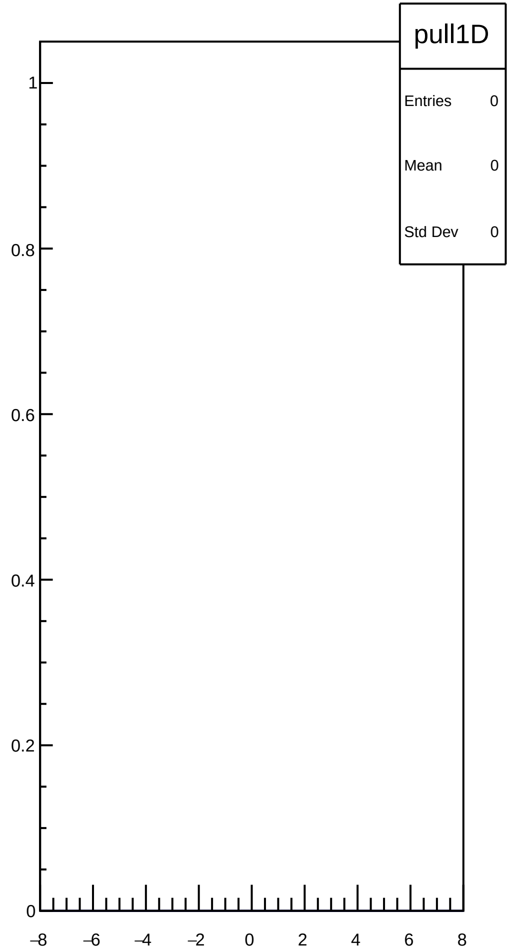
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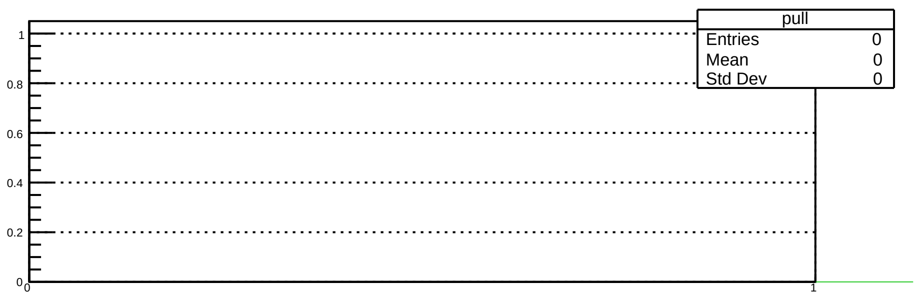

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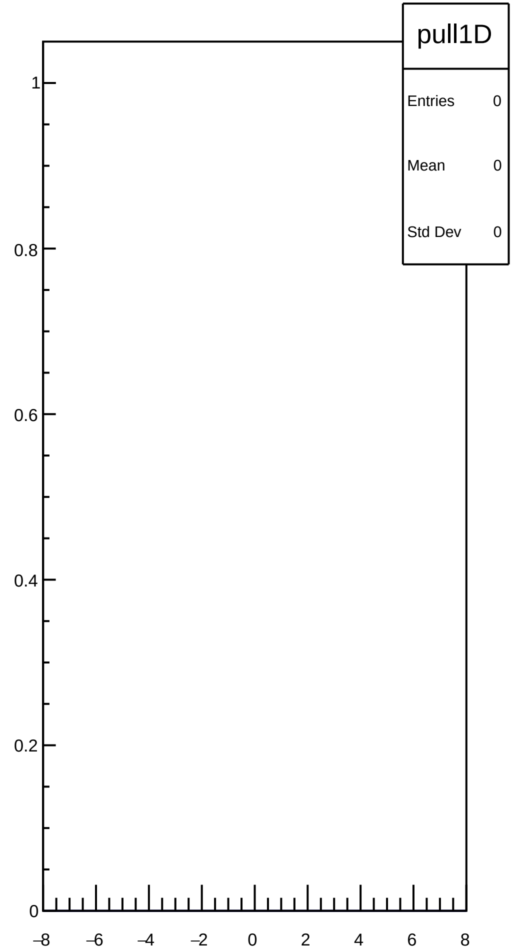

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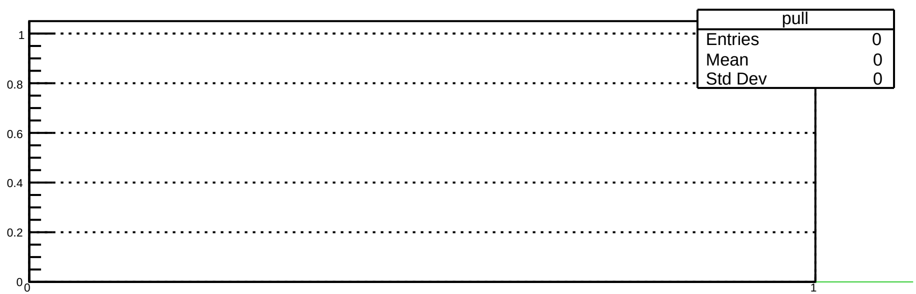
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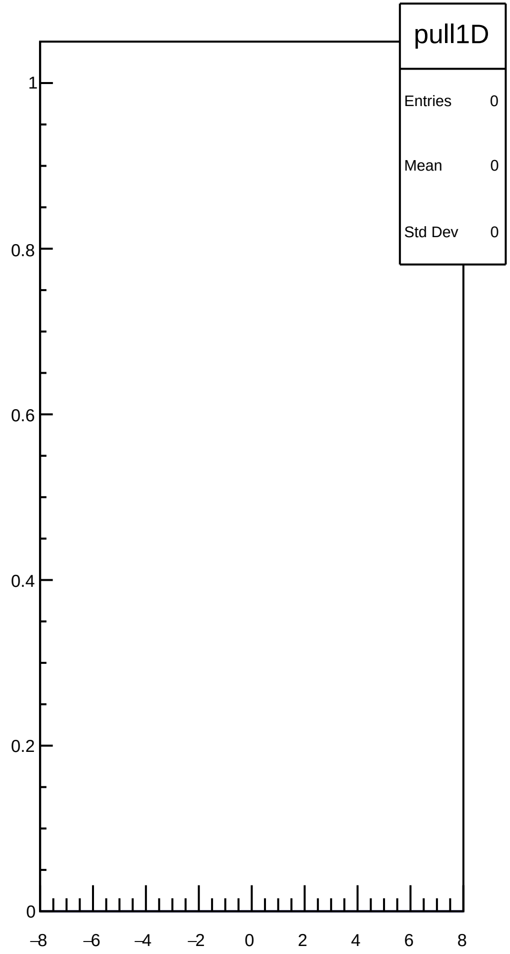
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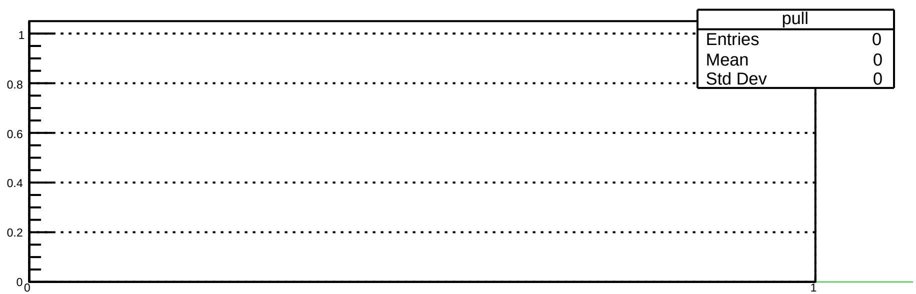
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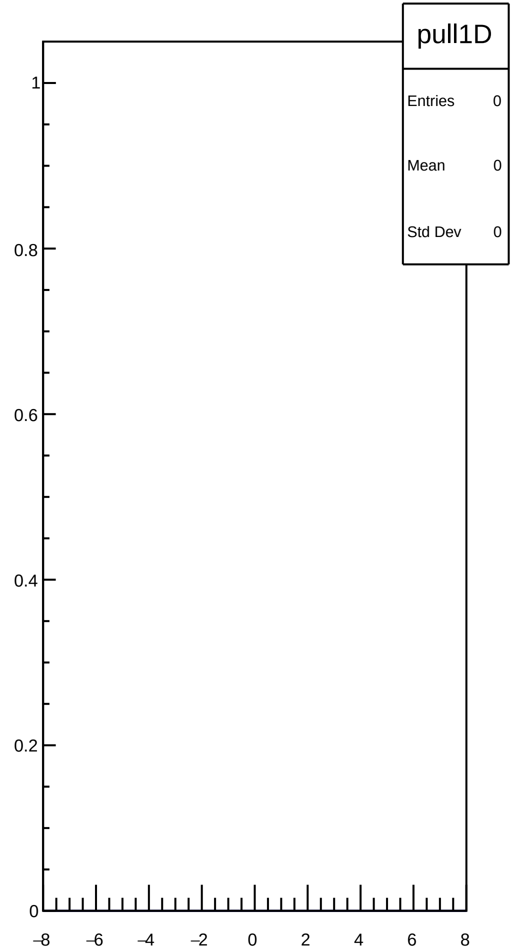
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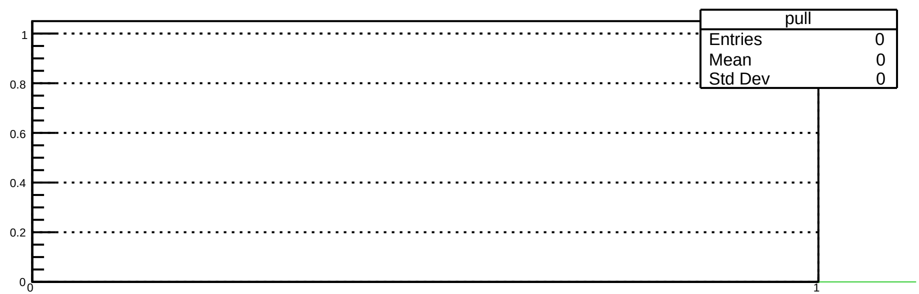
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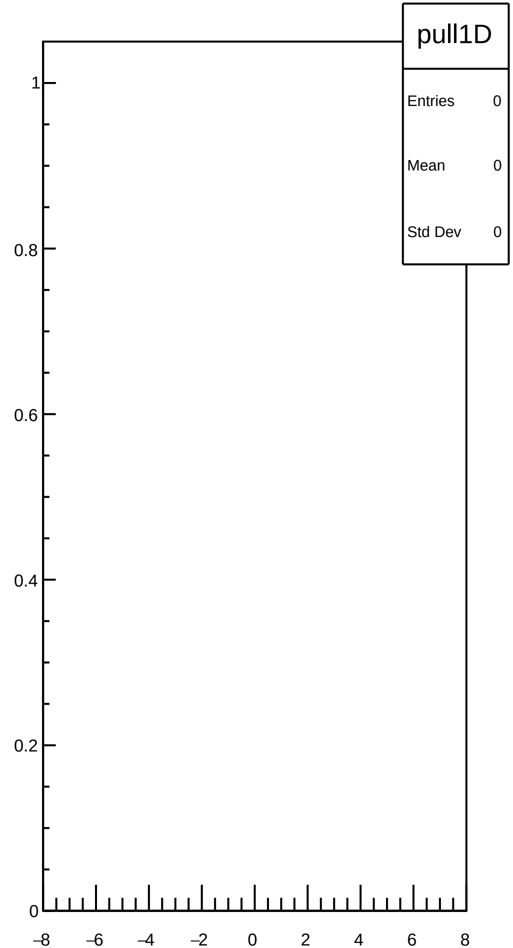
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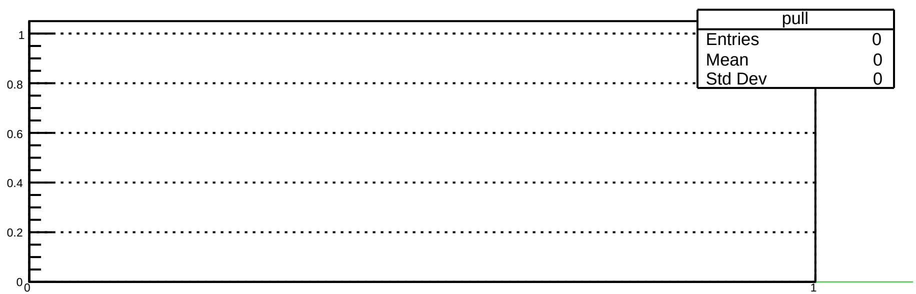

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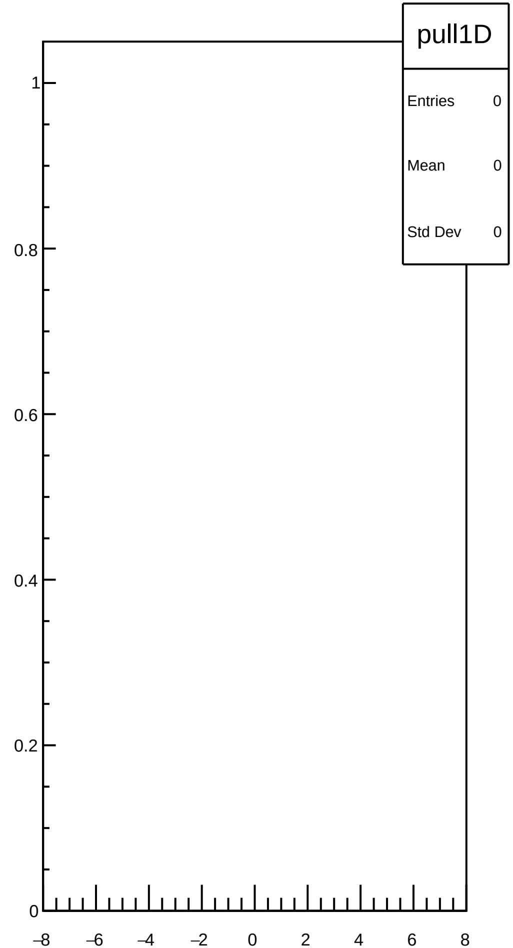

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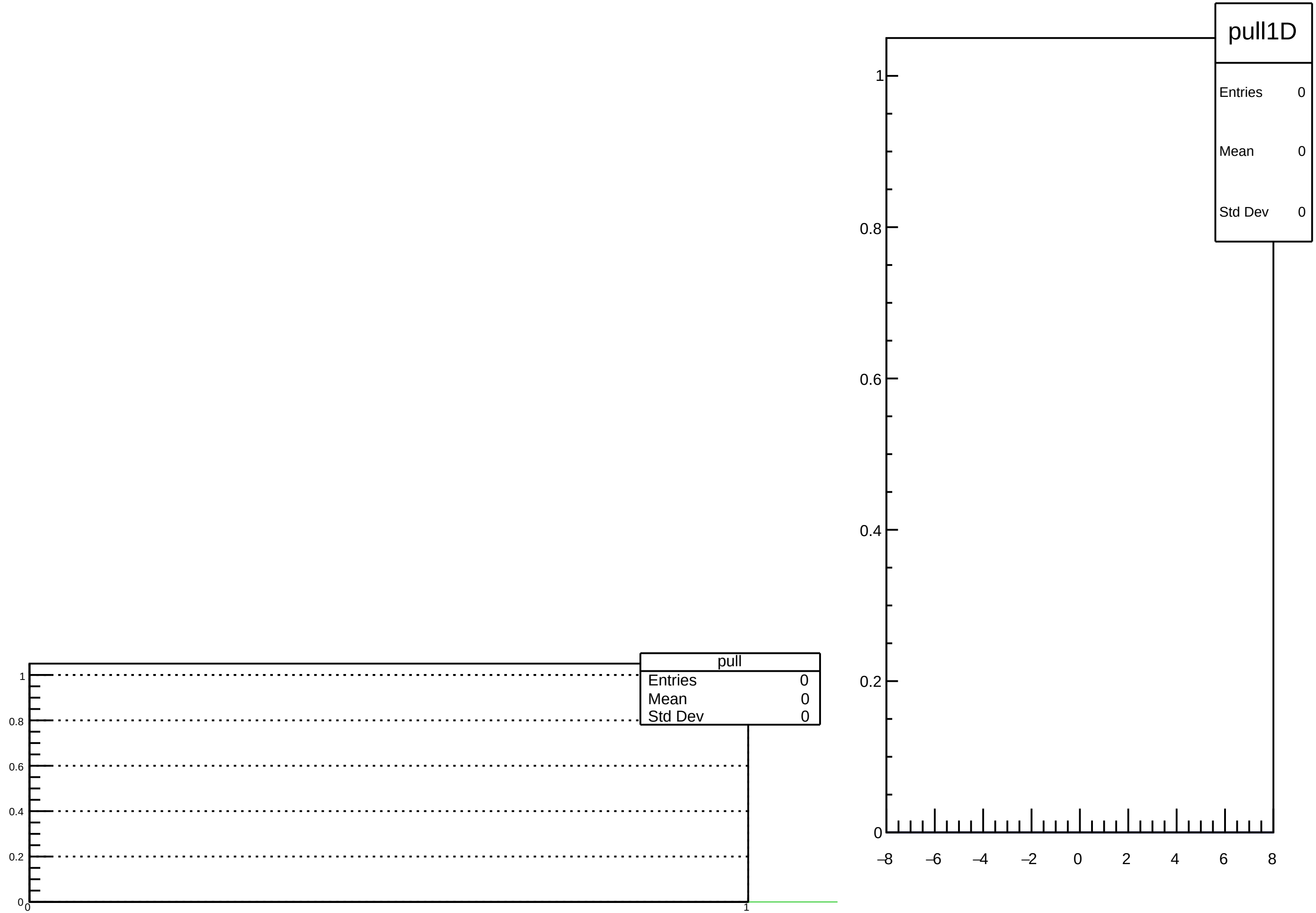

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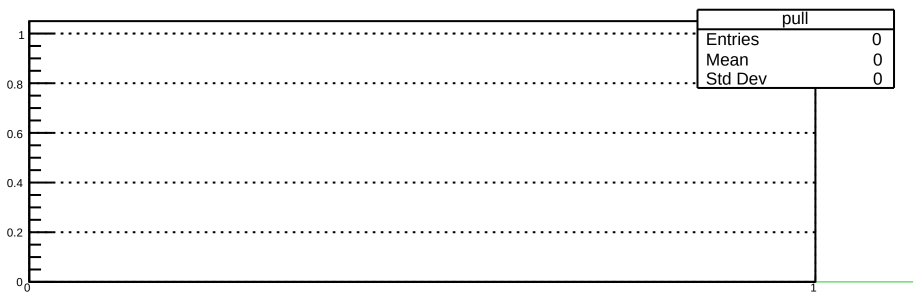
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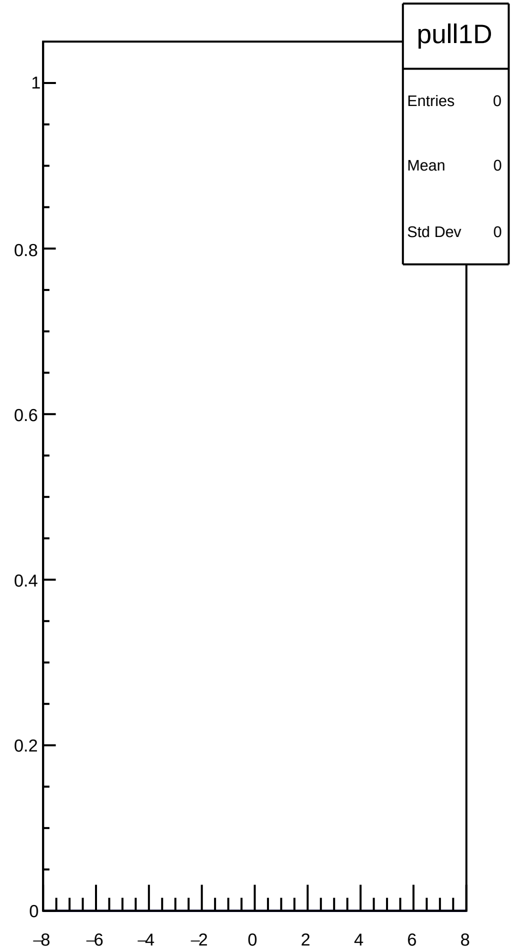
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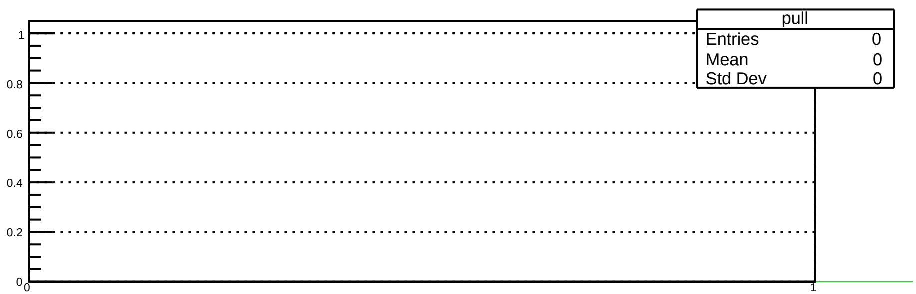

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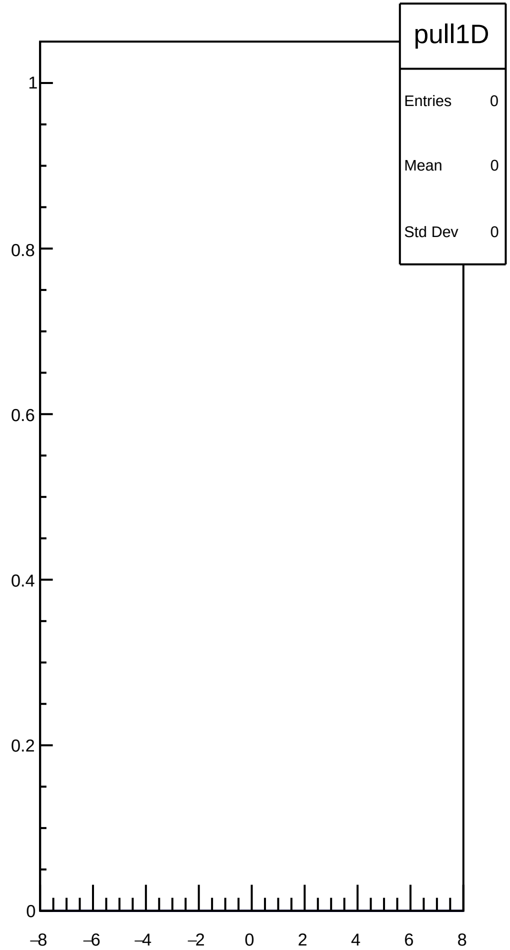

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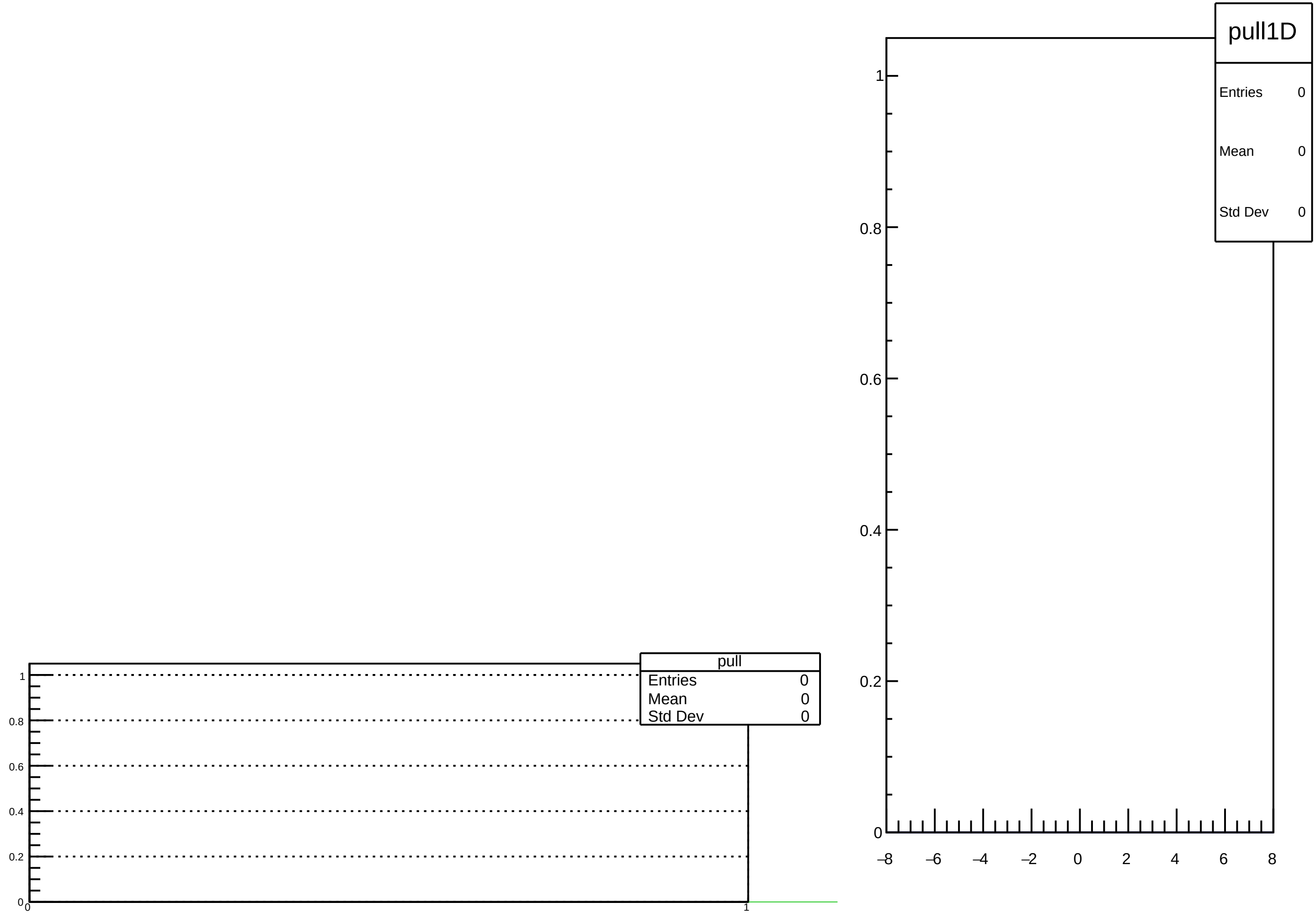
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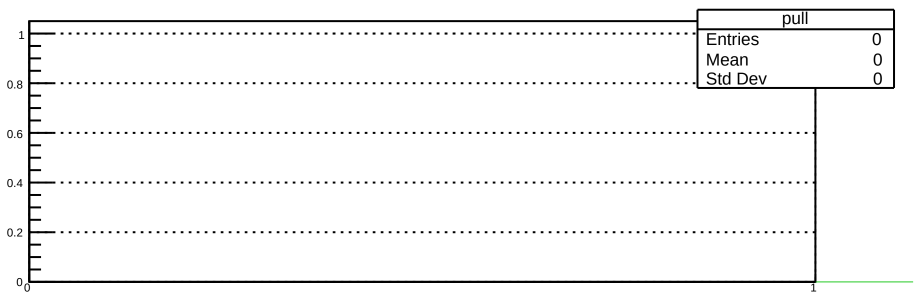
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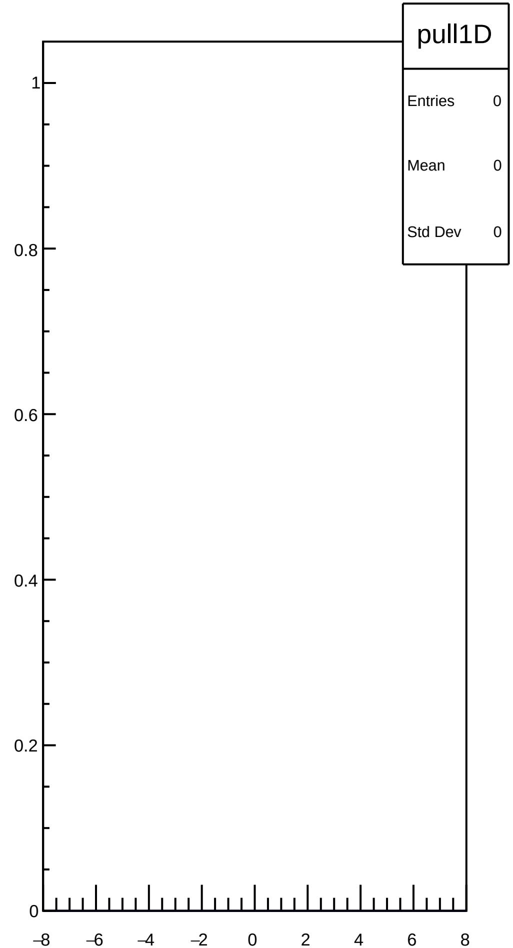
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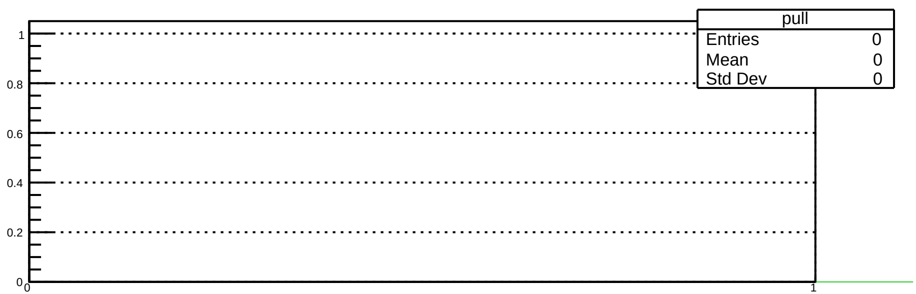
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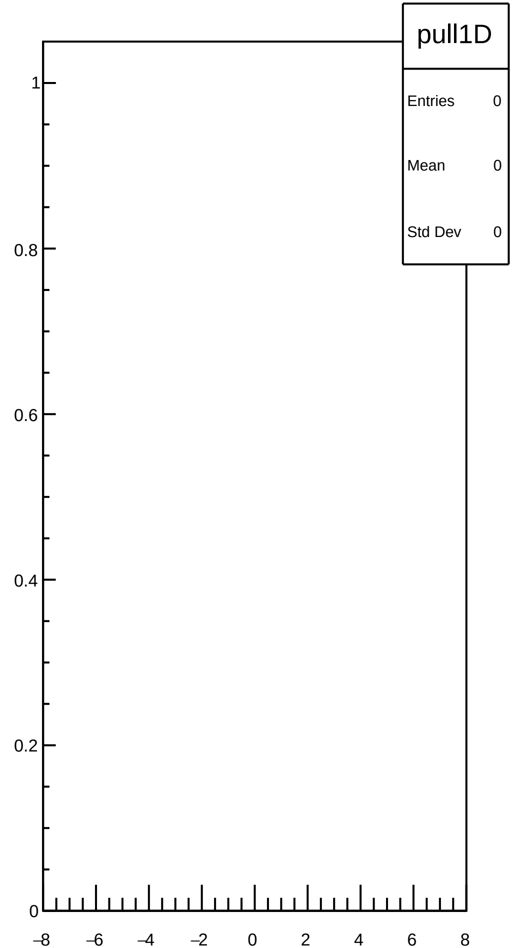
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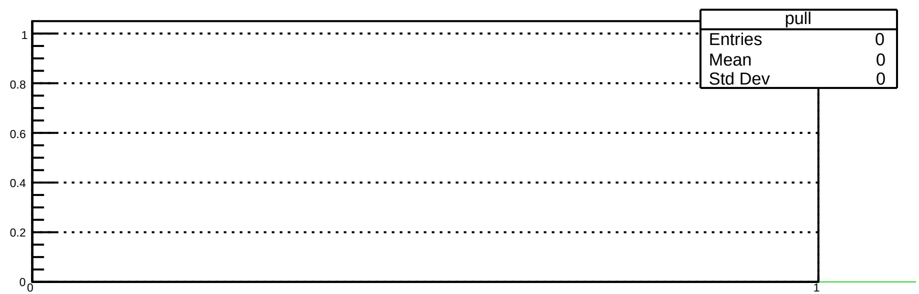
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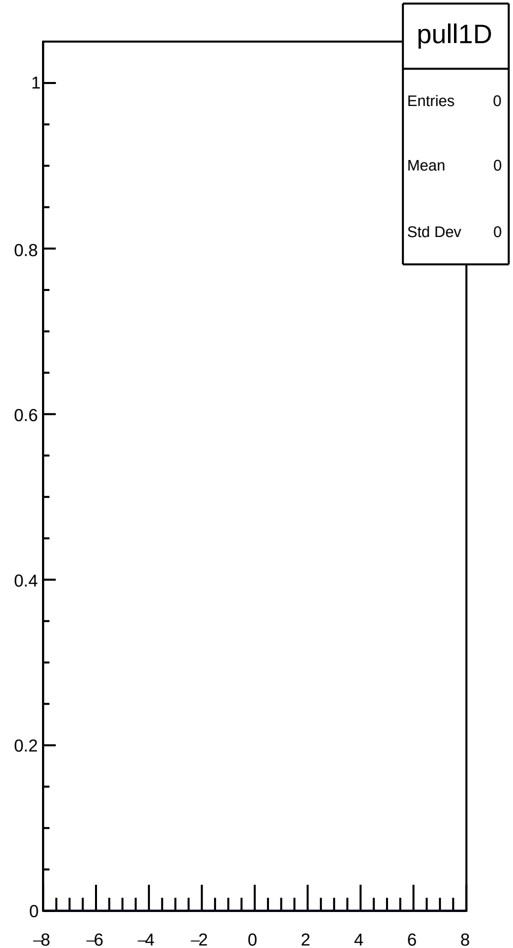
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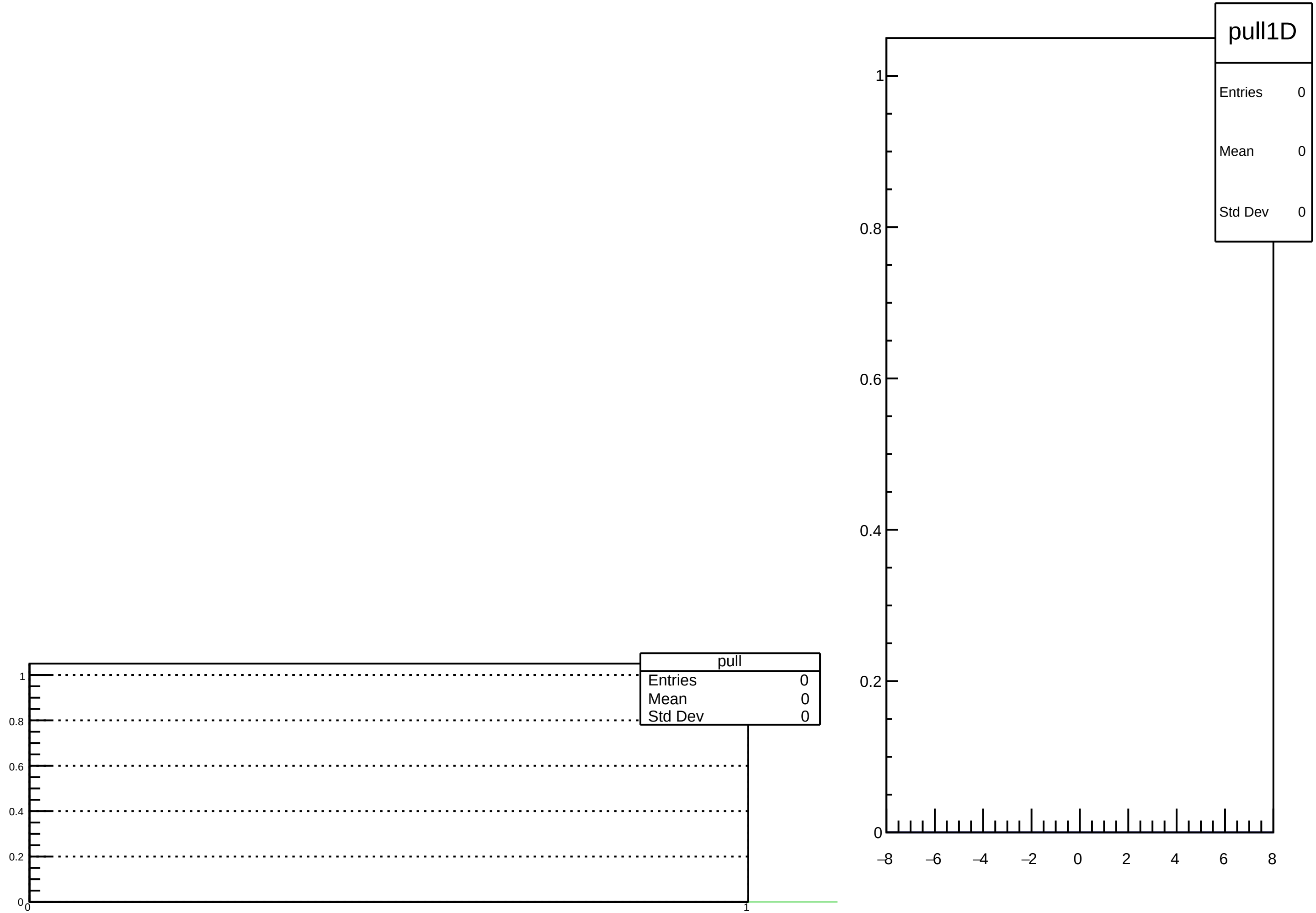
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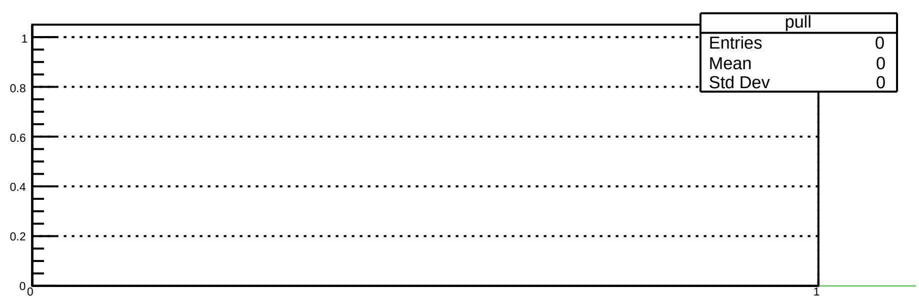
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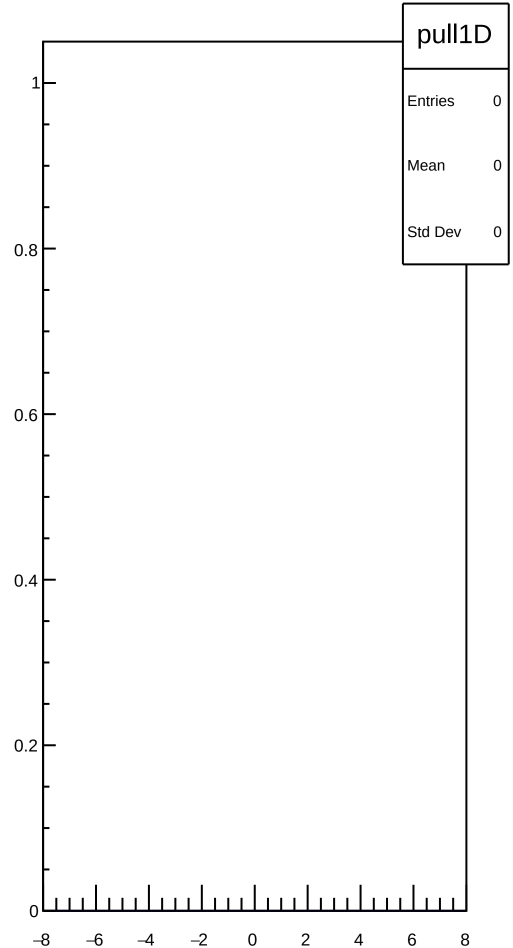
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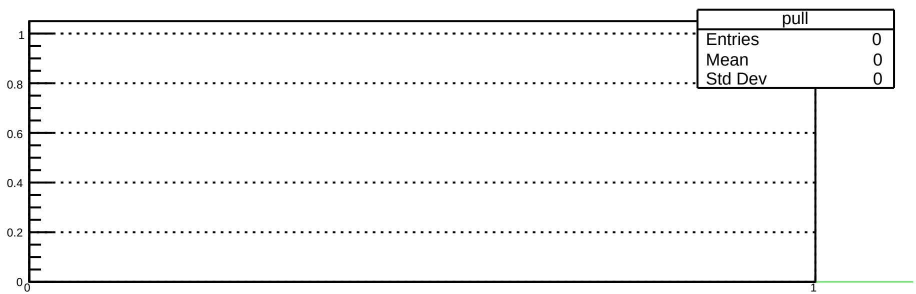
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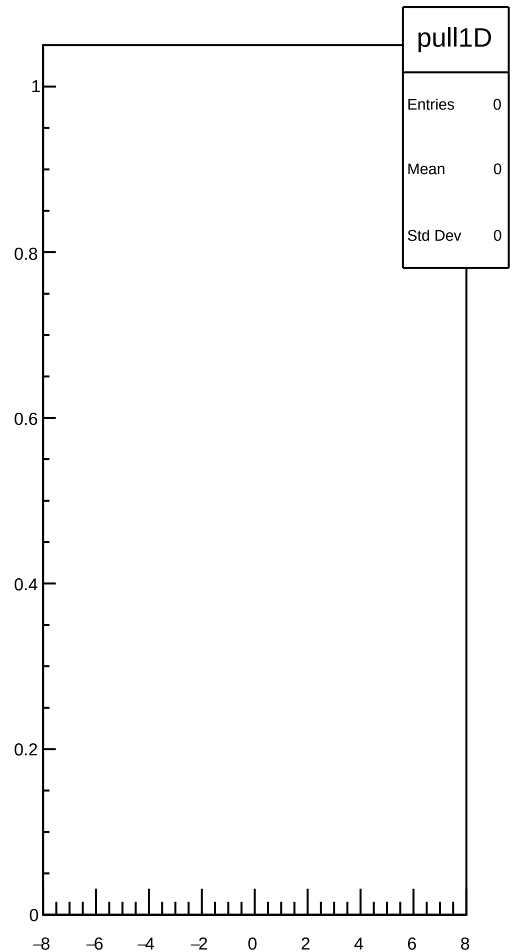
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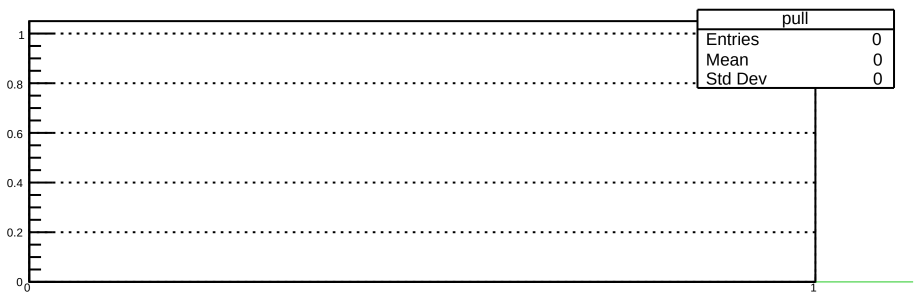
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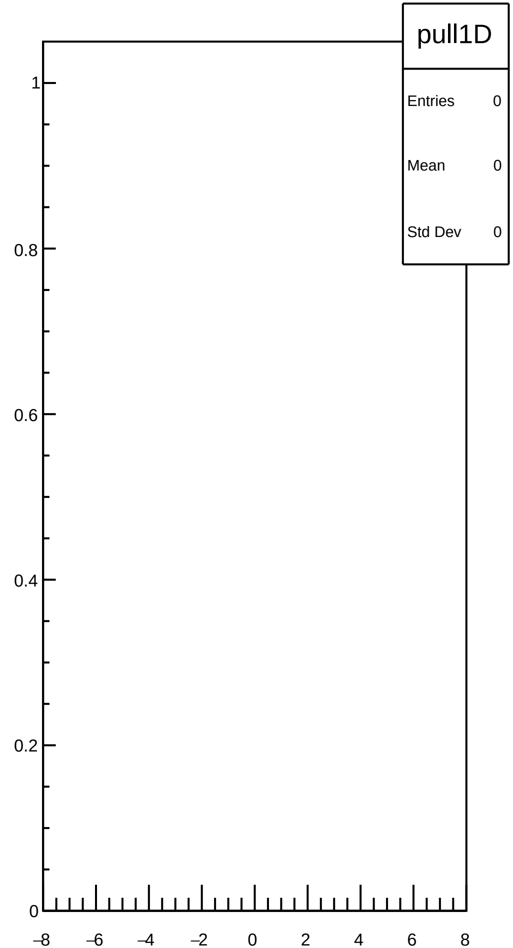
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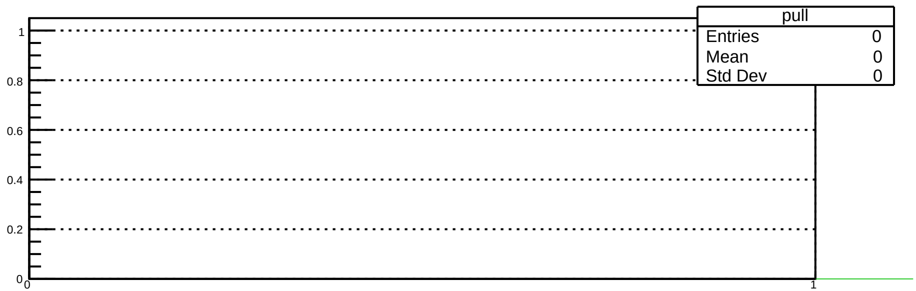
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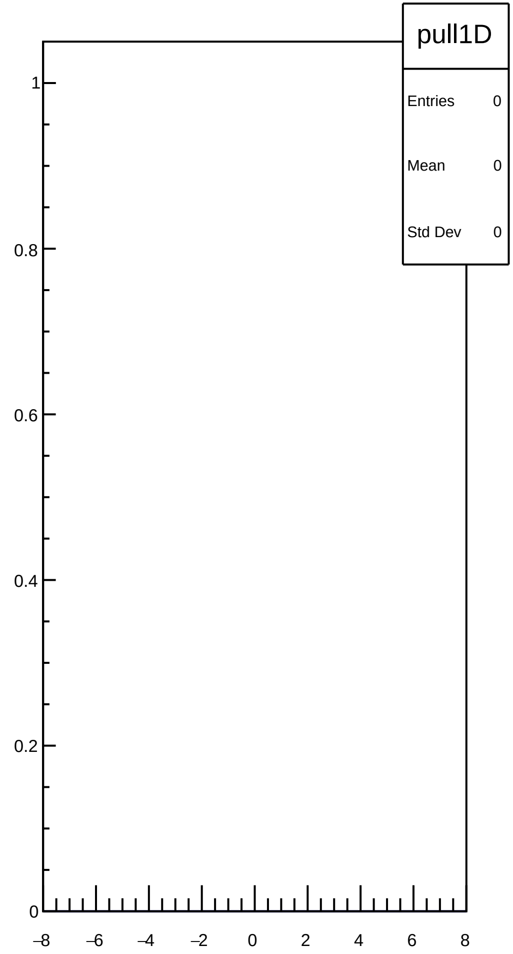
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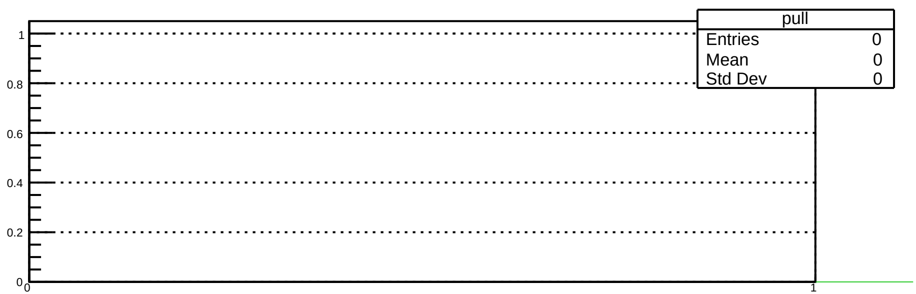

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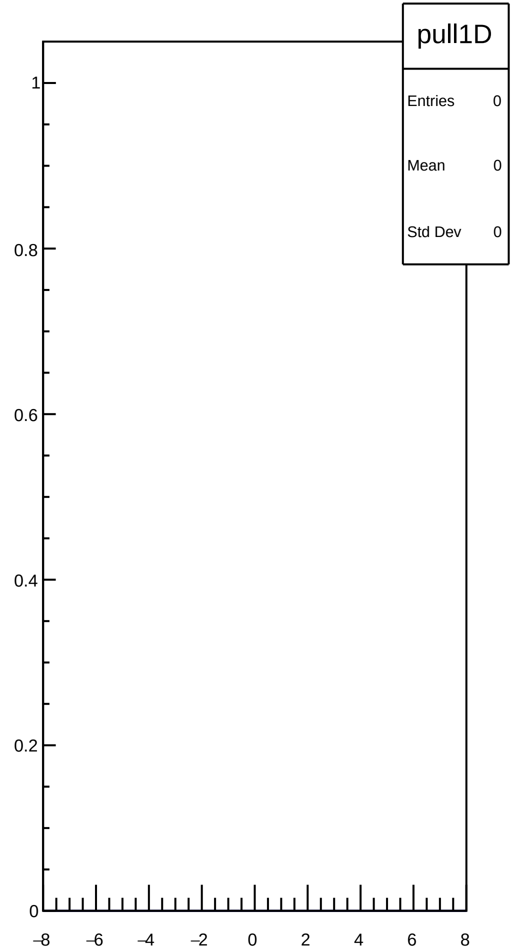

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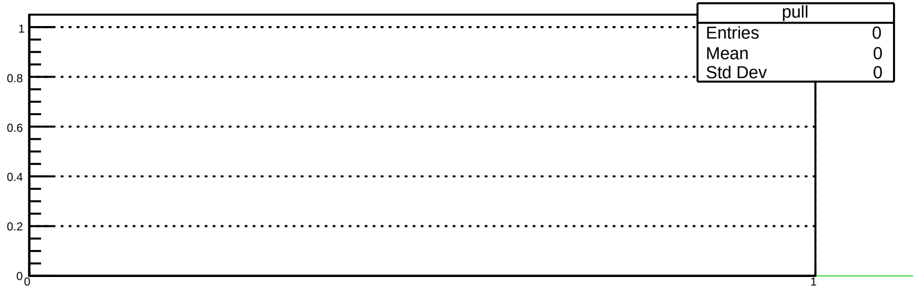

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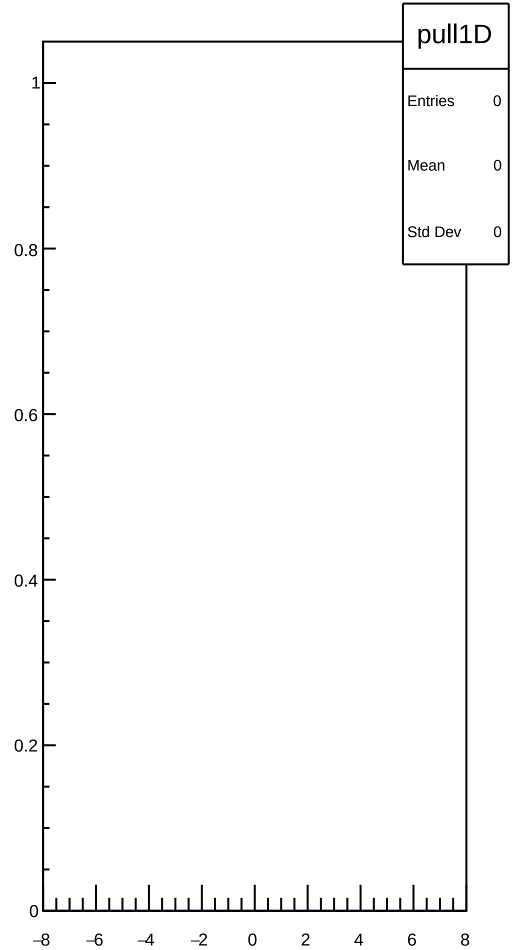

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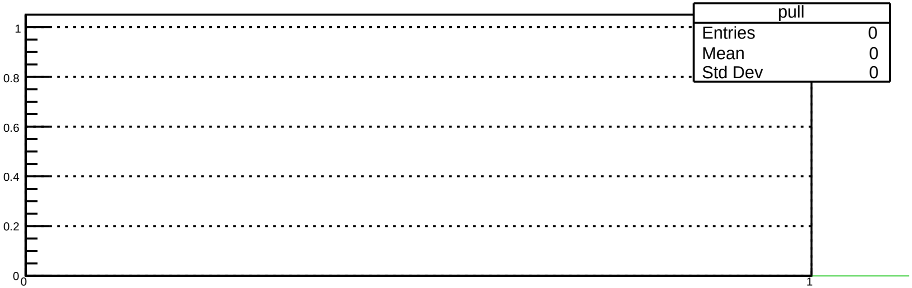
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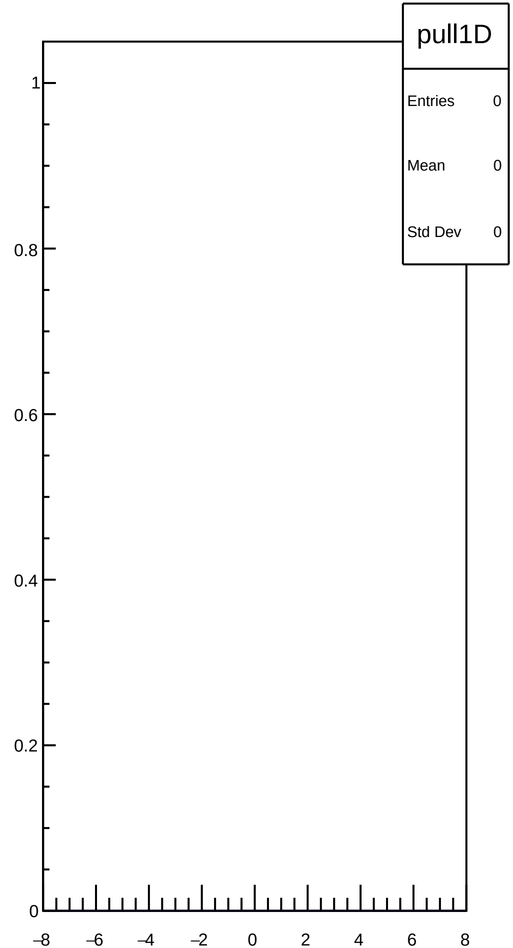
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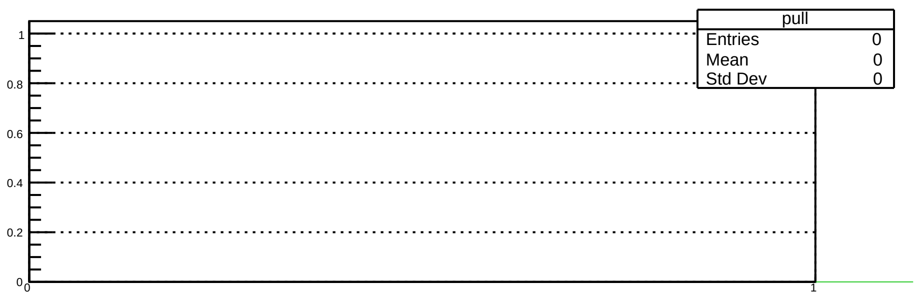

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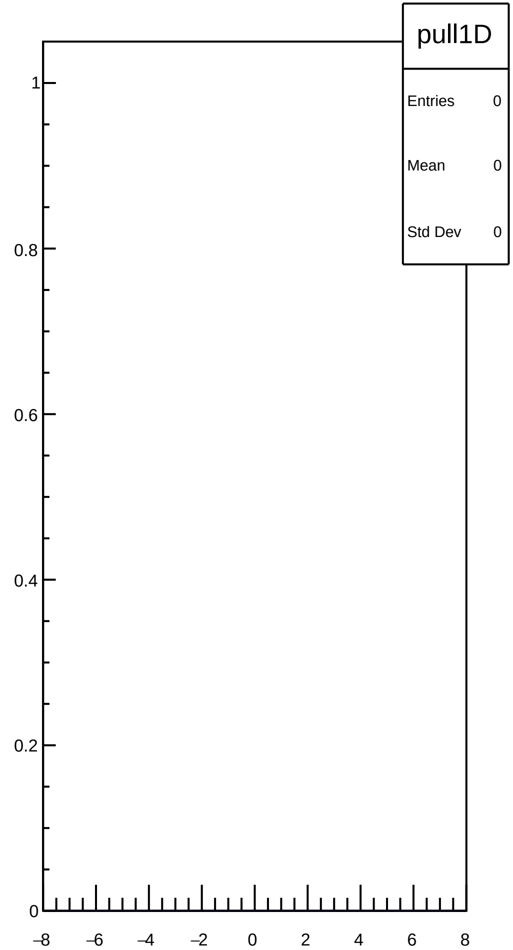

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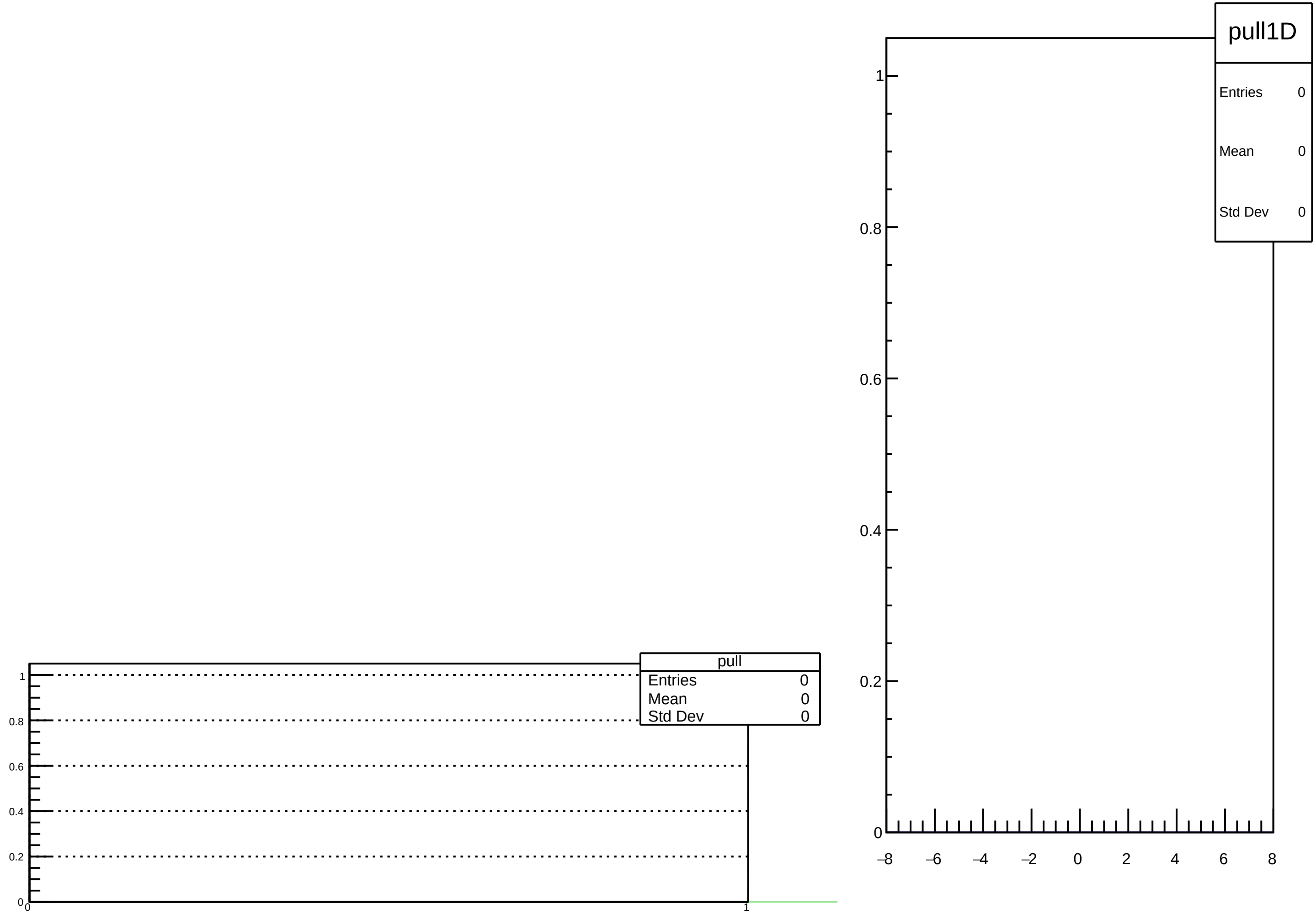

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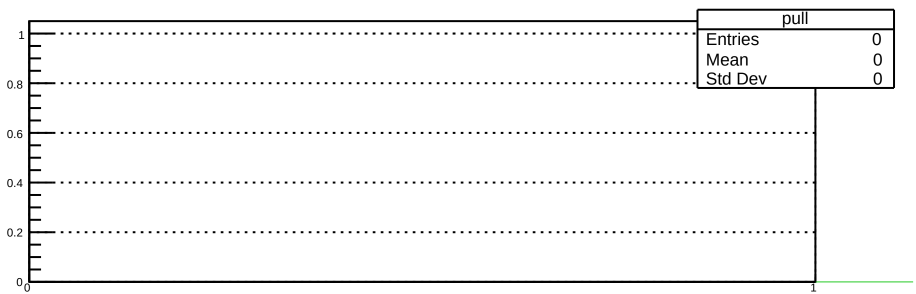
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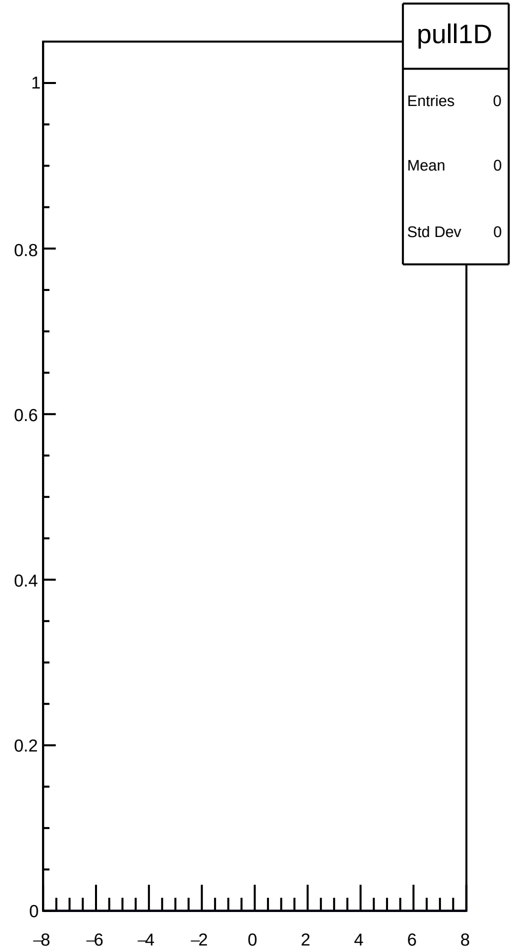
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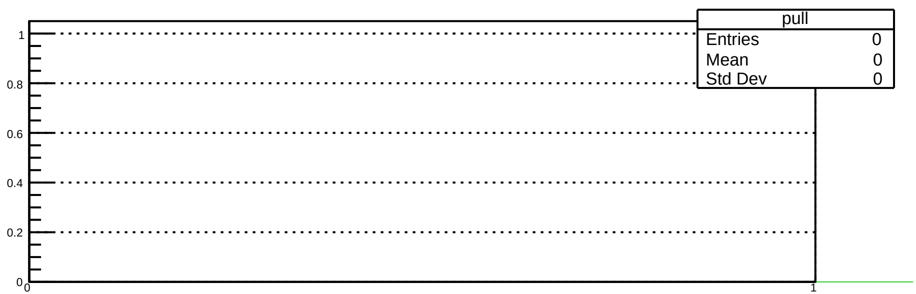

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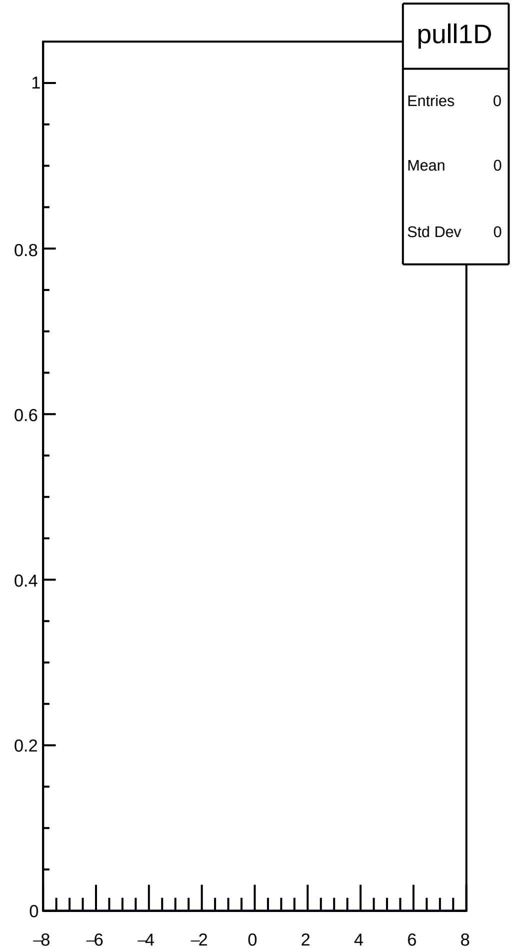

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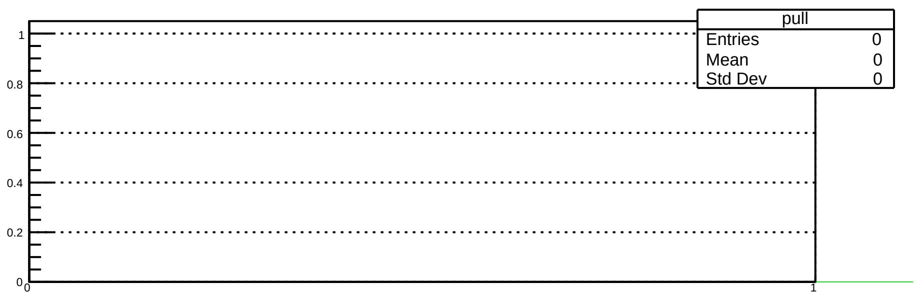
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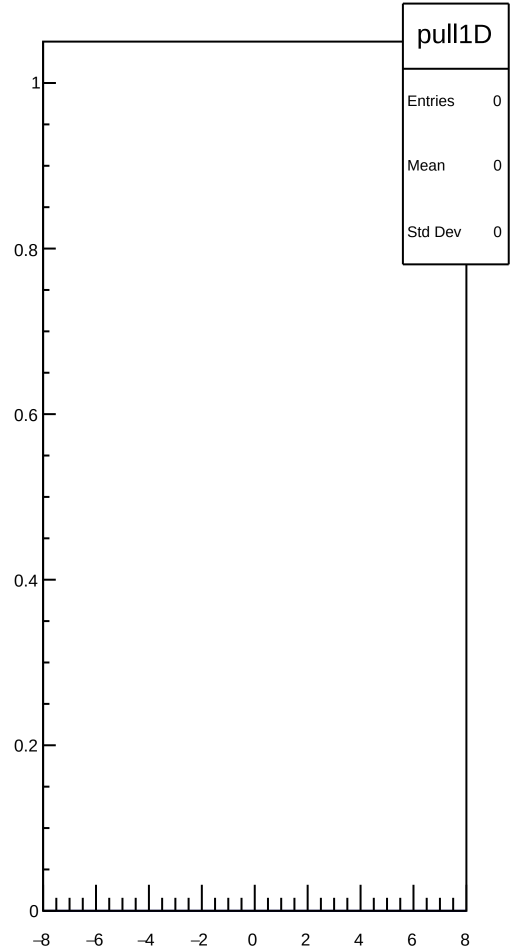
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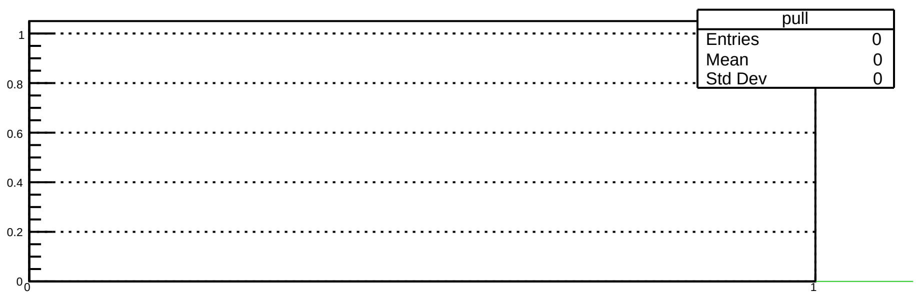
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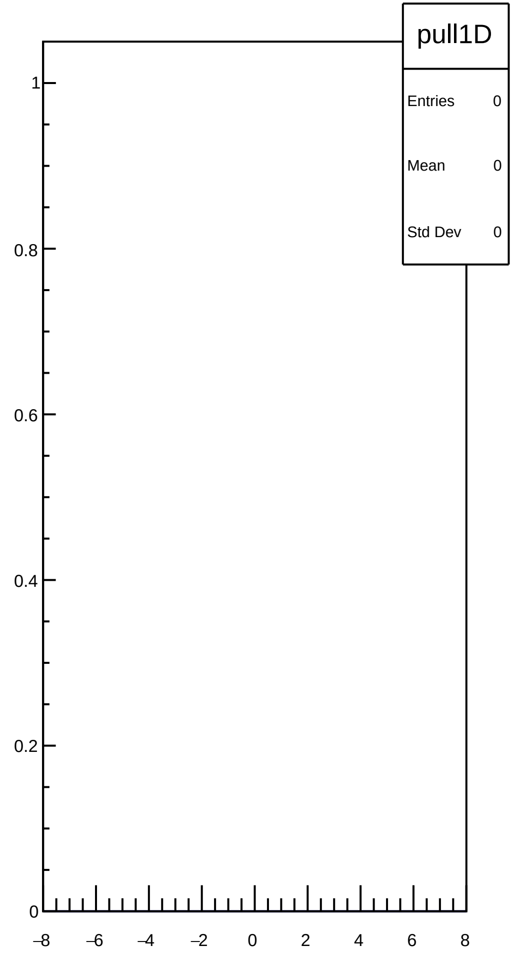
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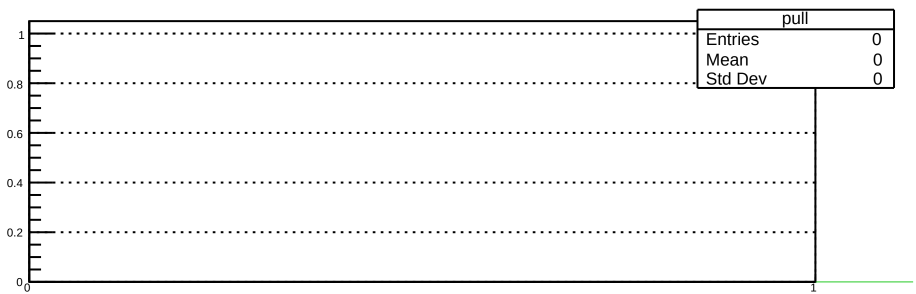
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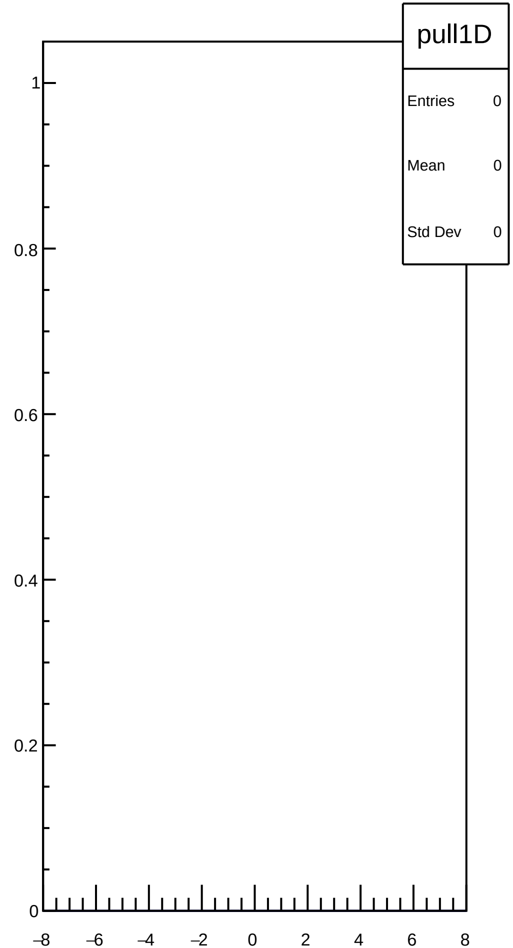
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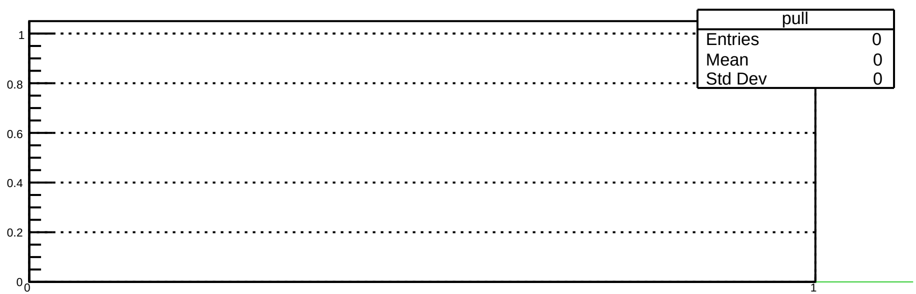
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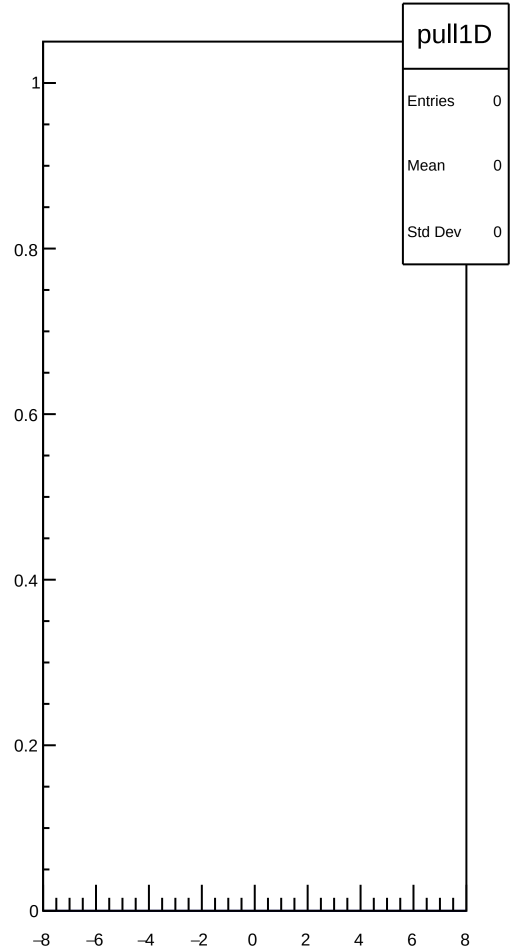
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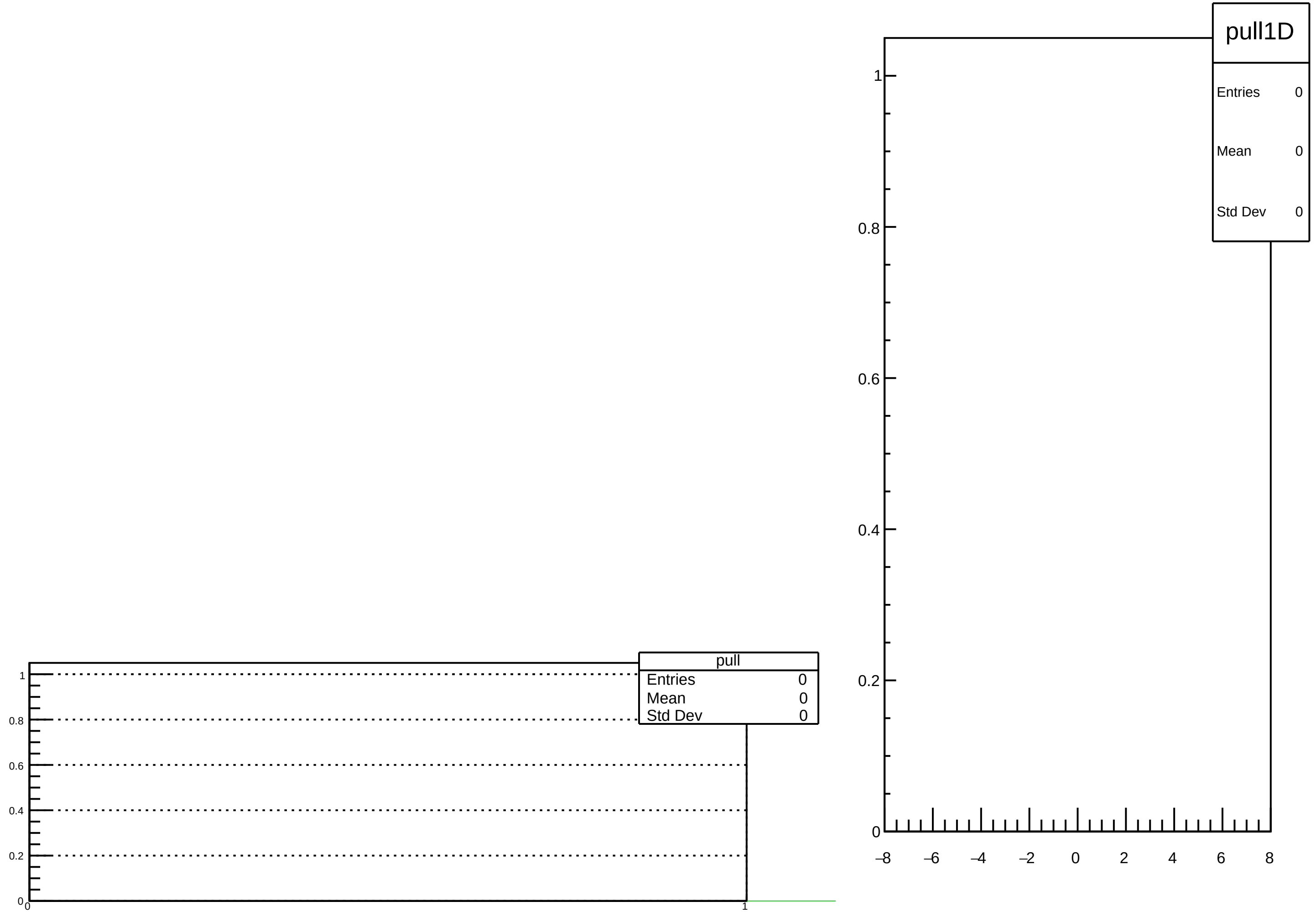
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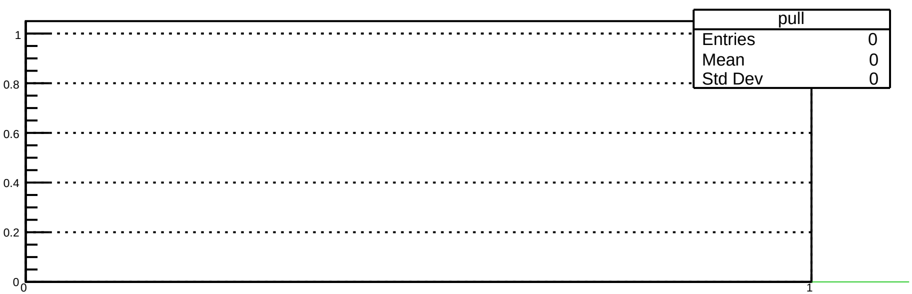
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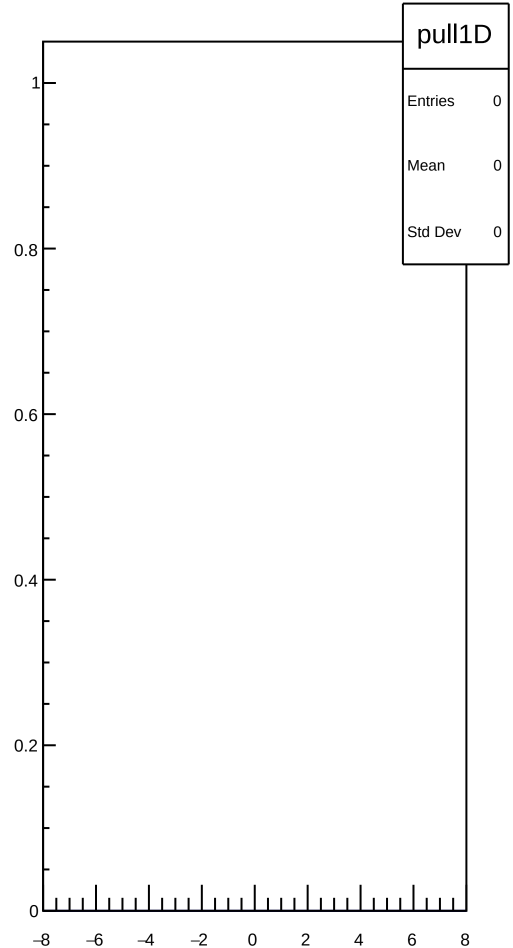
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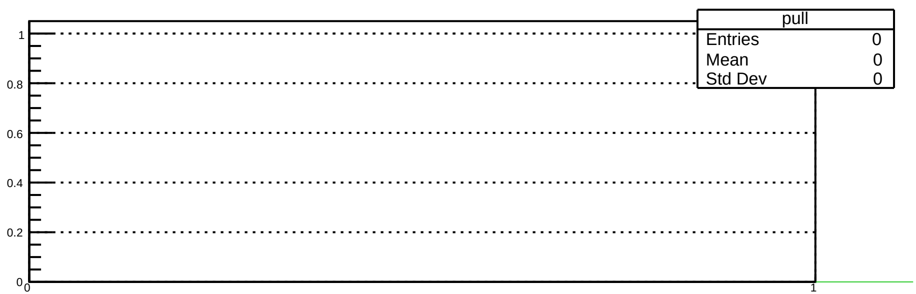
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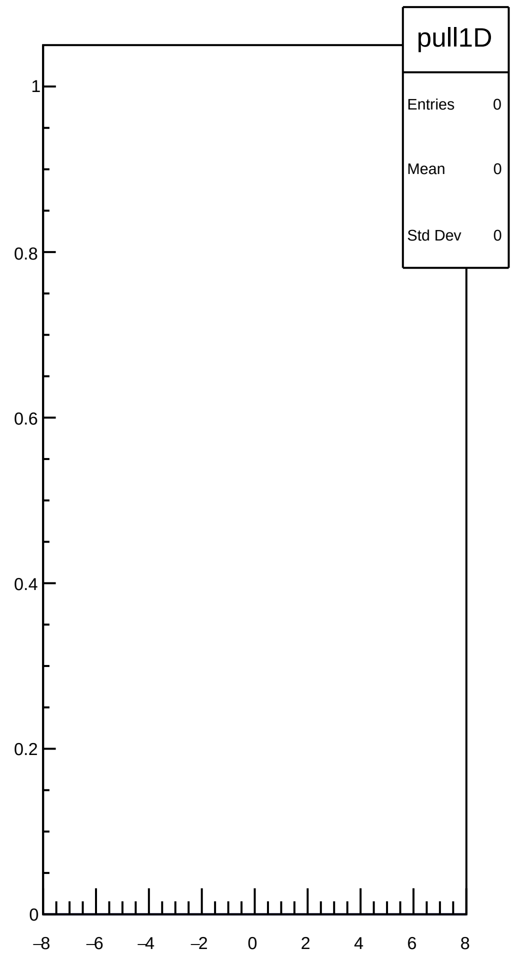
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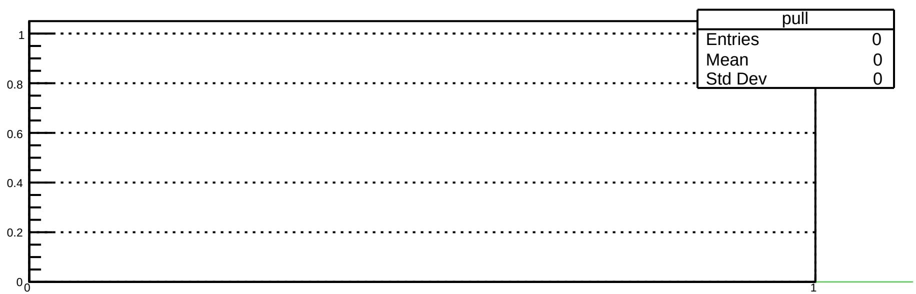

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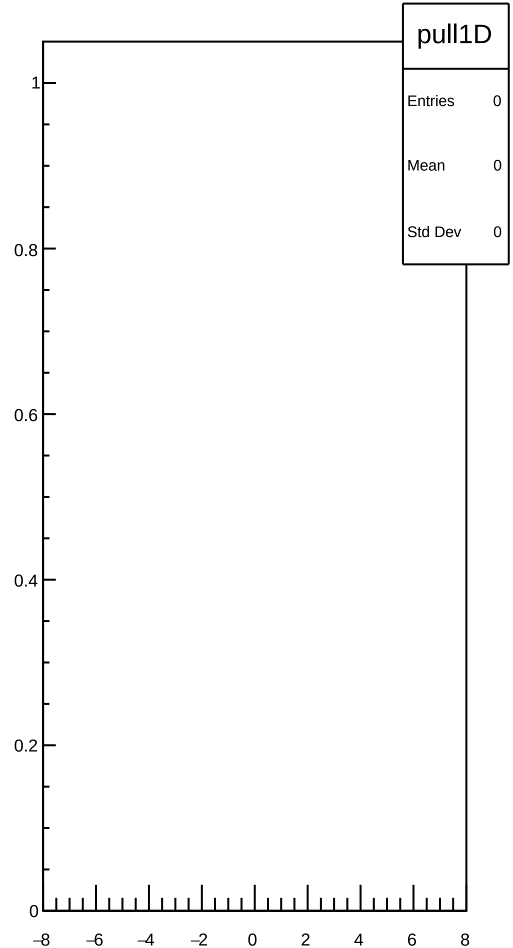

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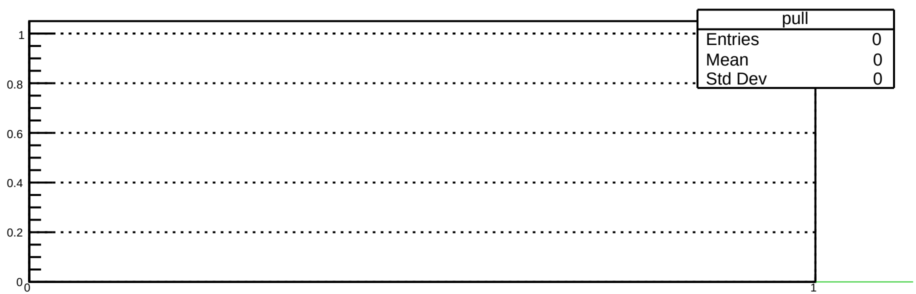
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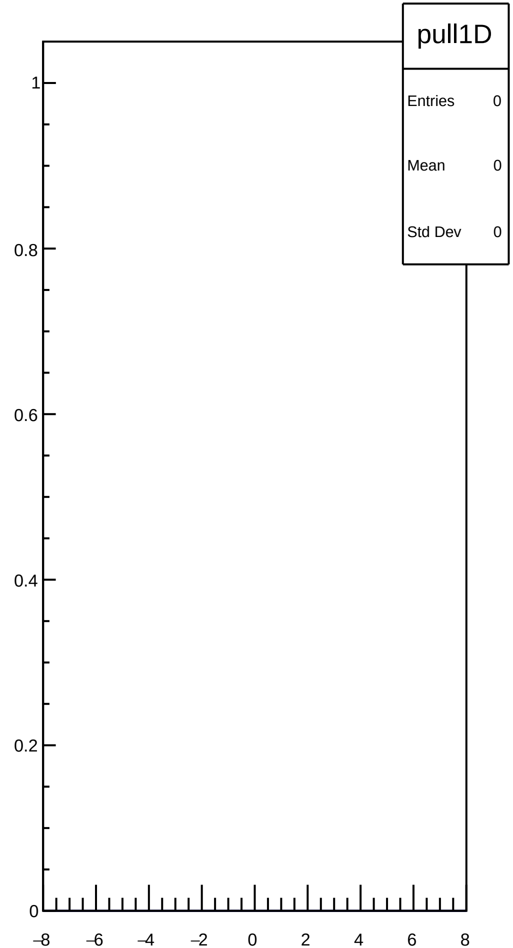
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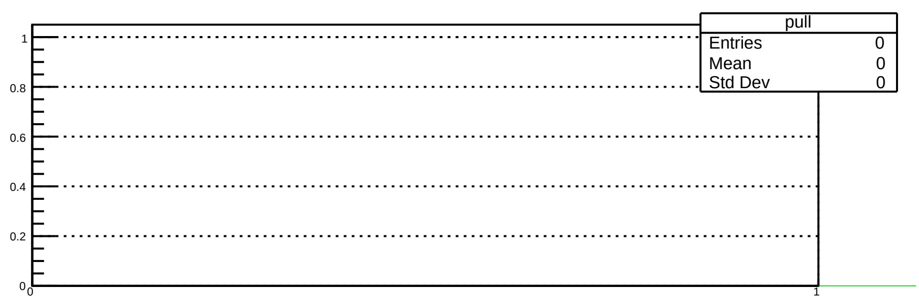
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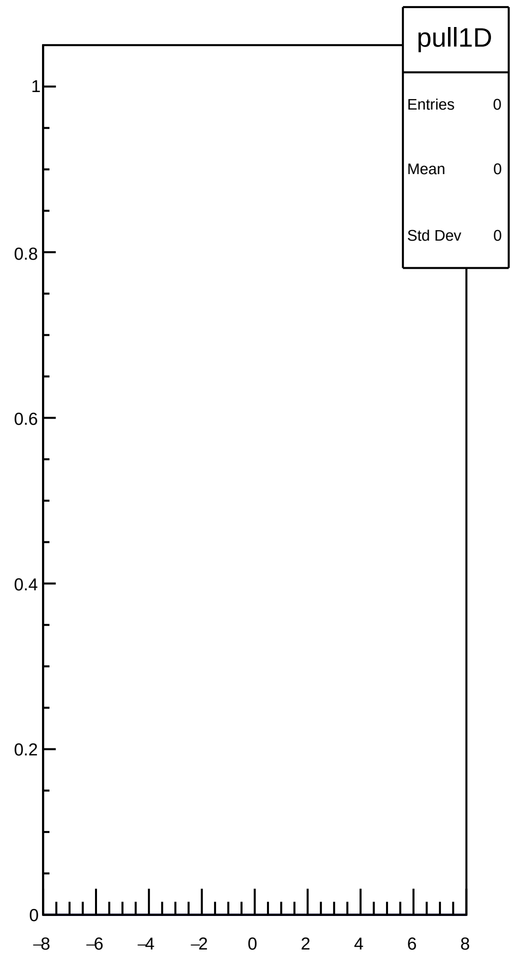
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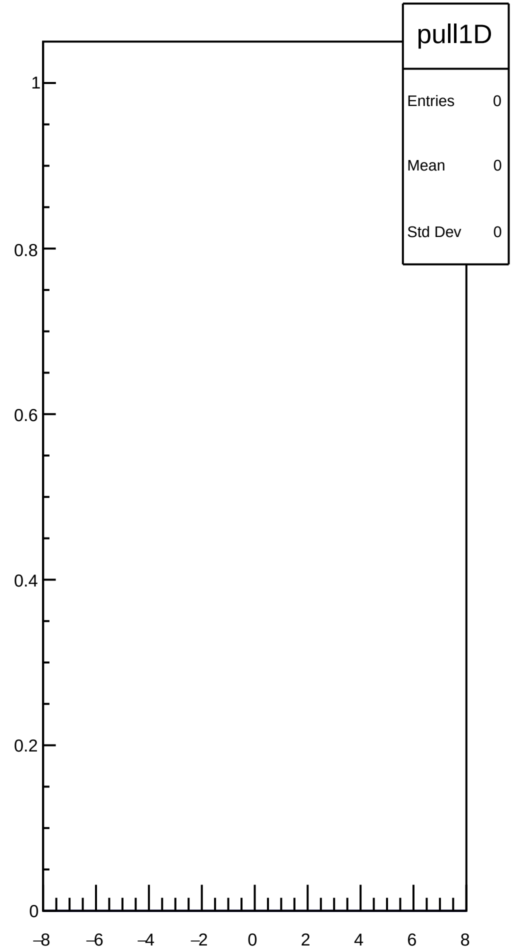

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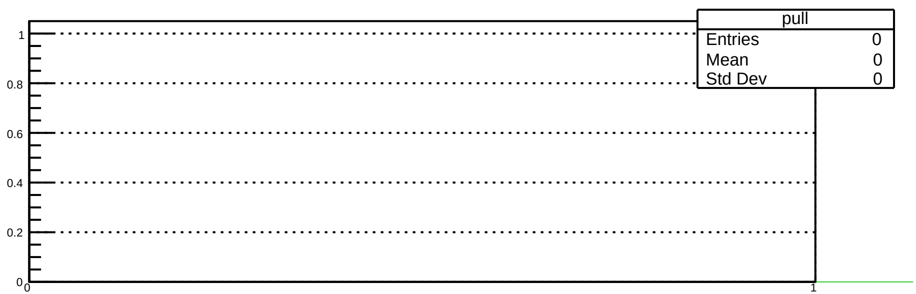

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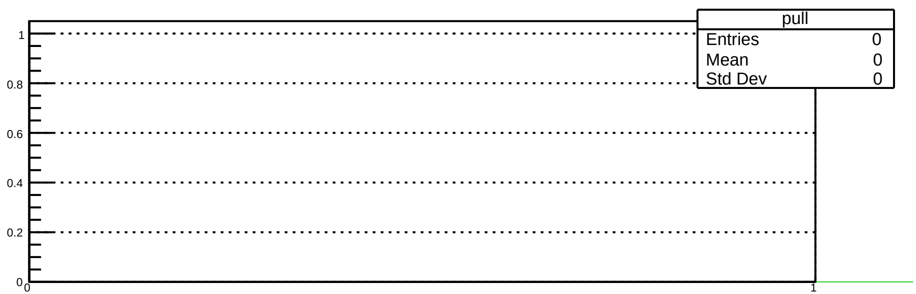
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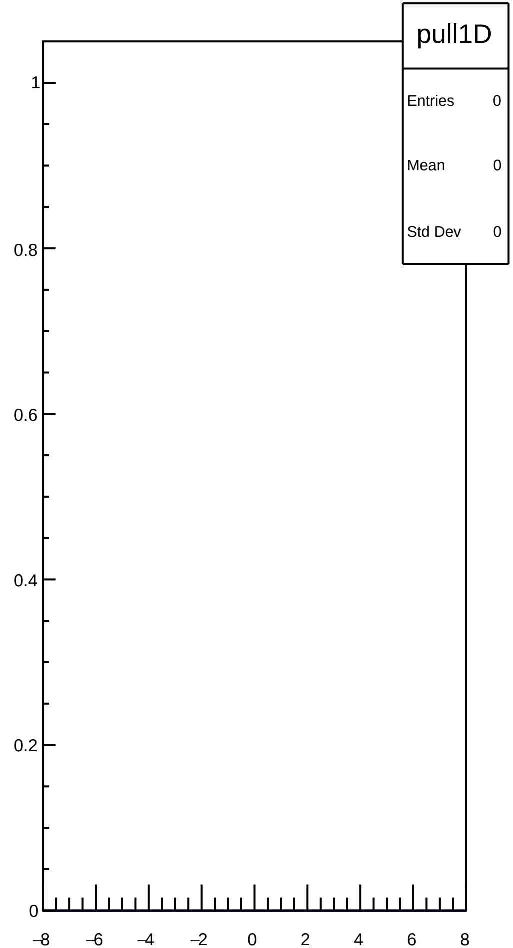
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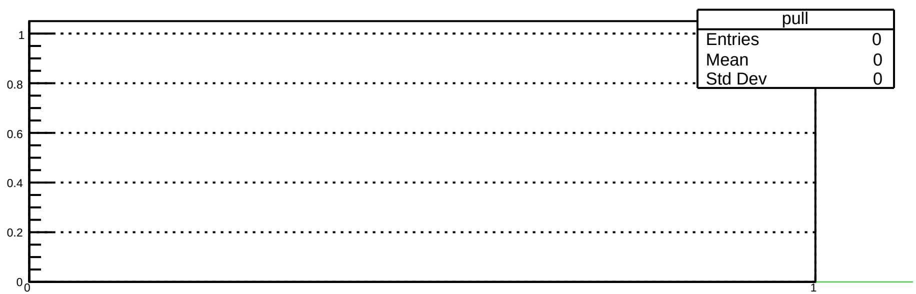
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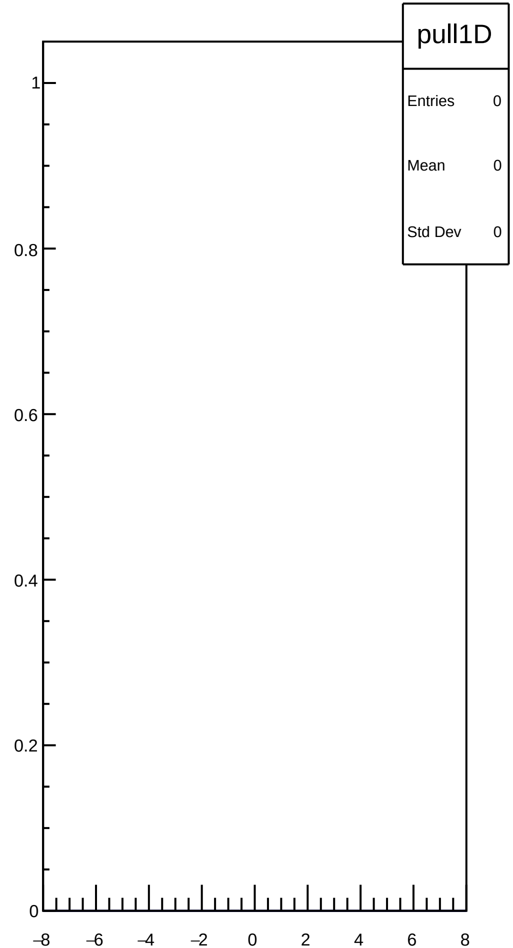
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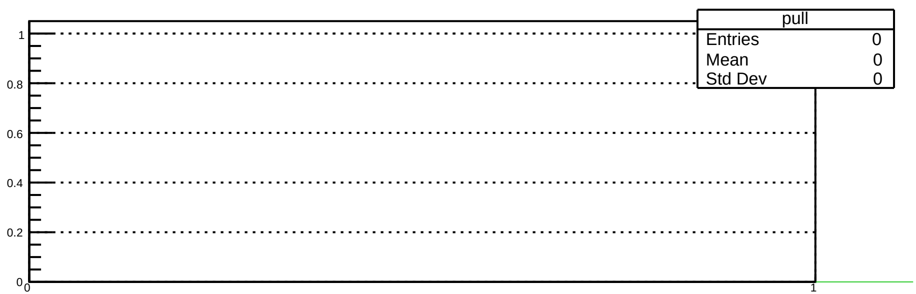
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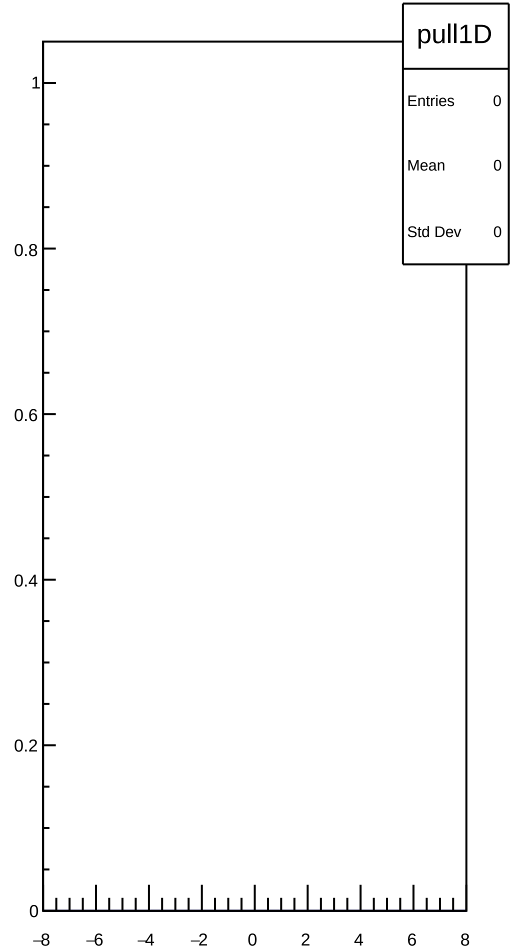
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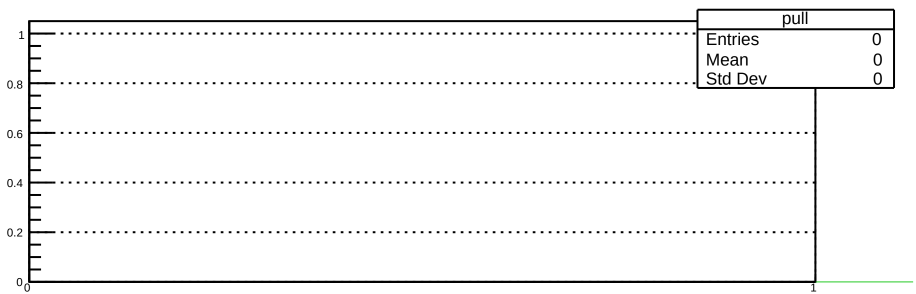

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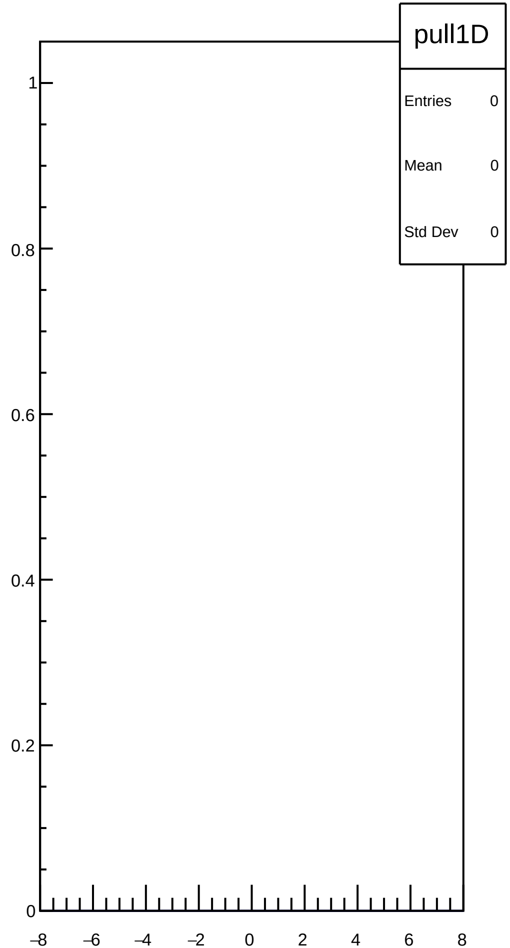

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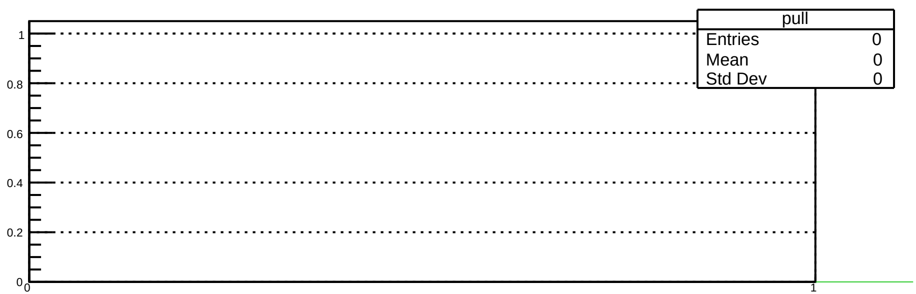
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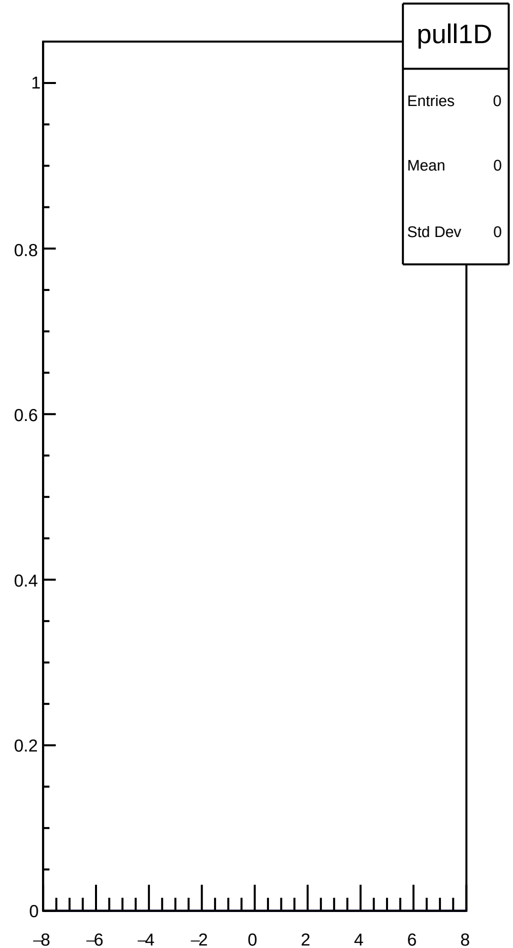
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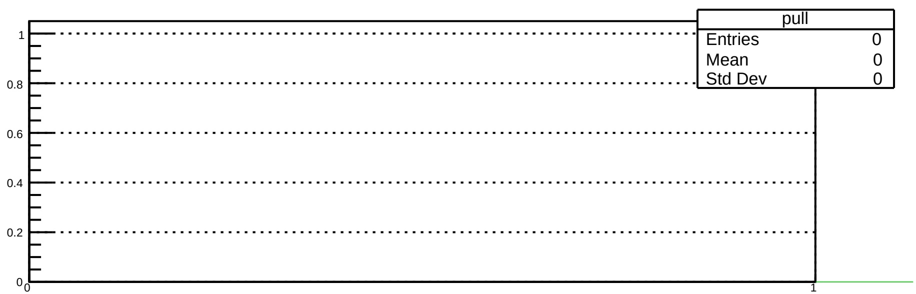

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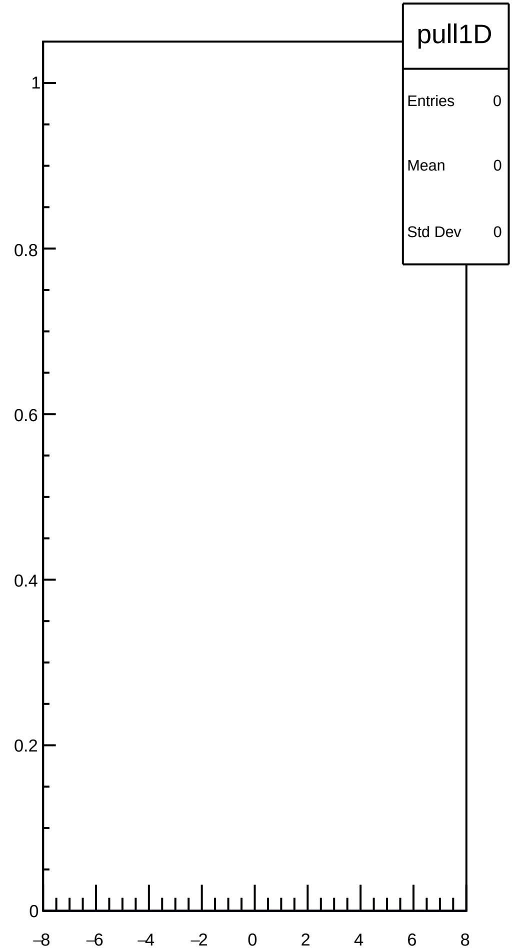

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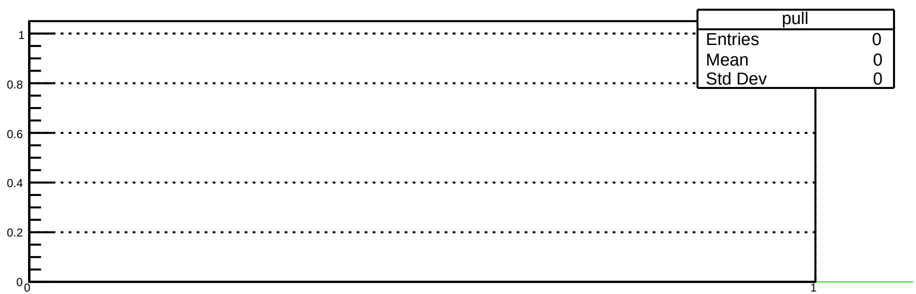
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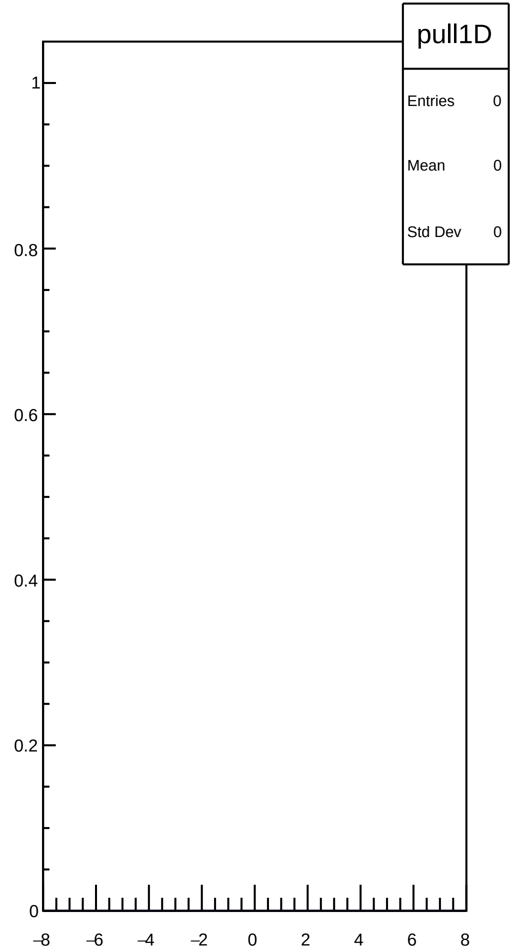
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Mean 0
Std Dev 0
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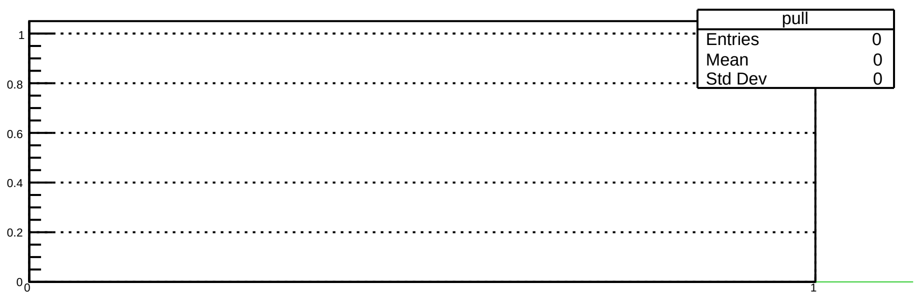

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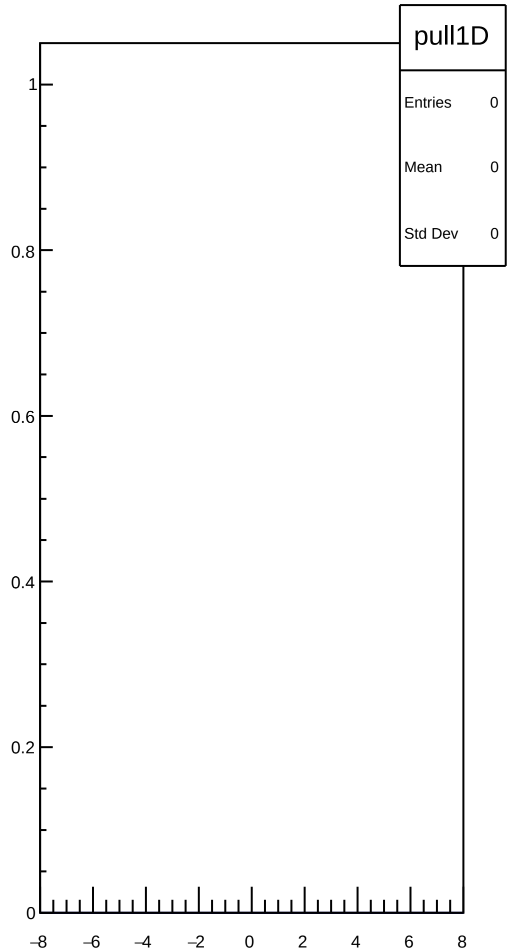

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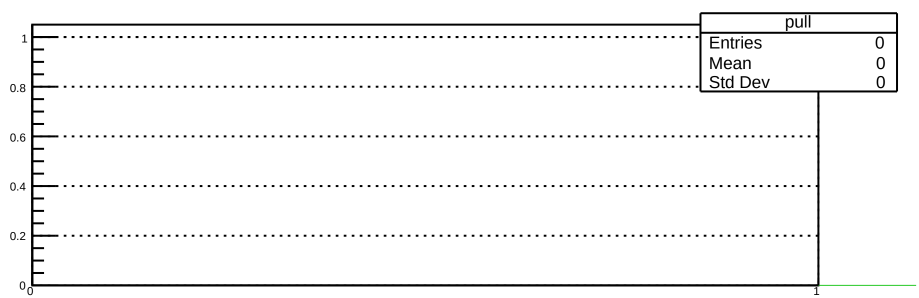

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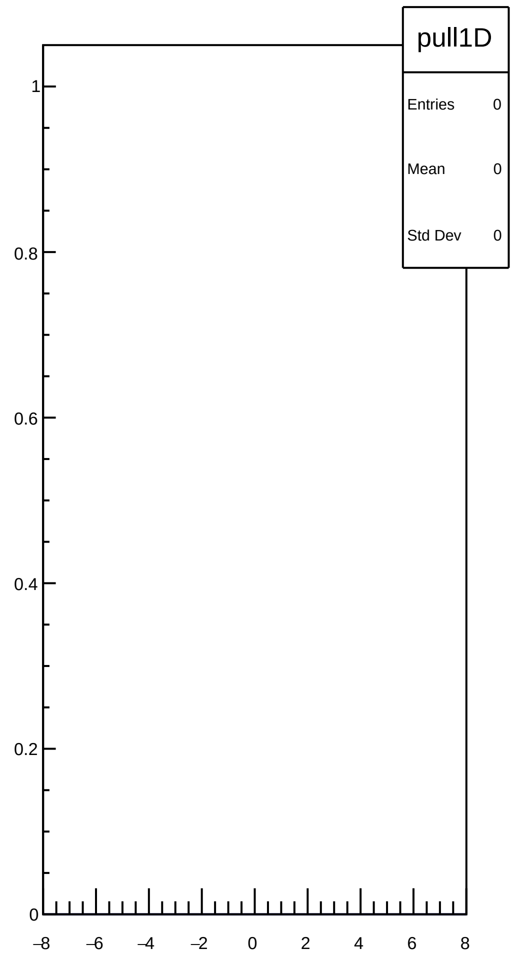

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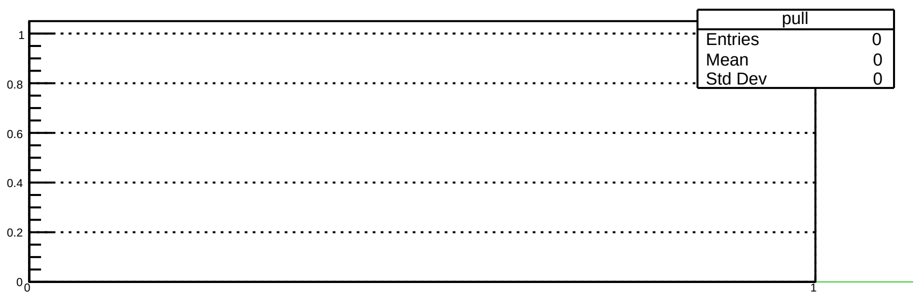
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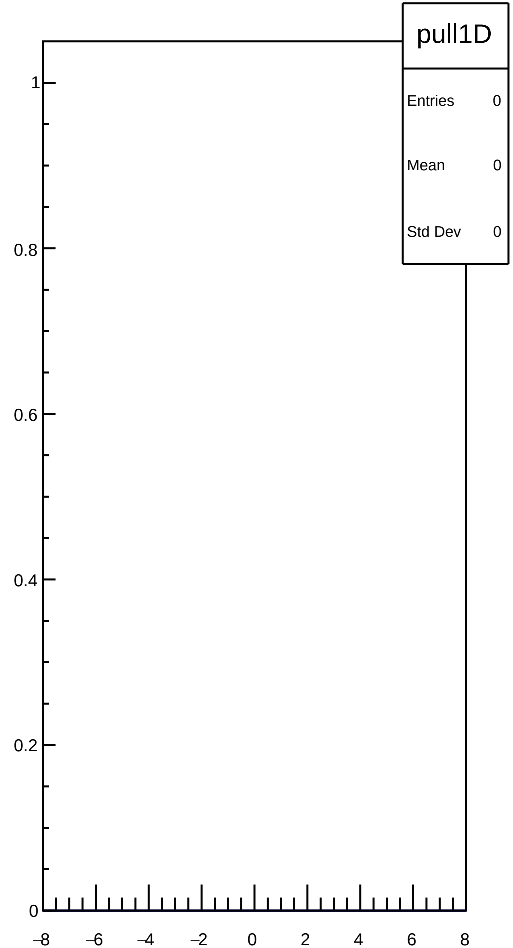
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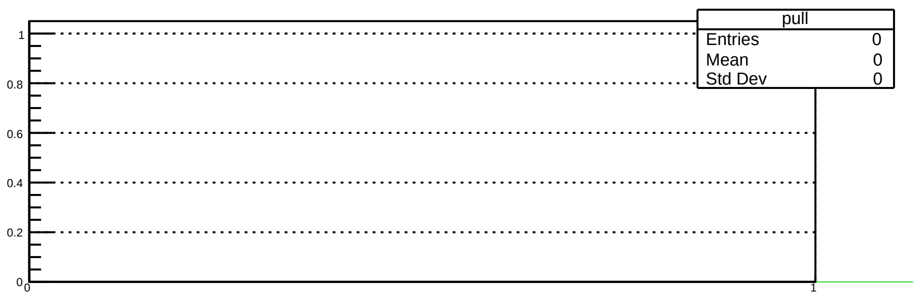
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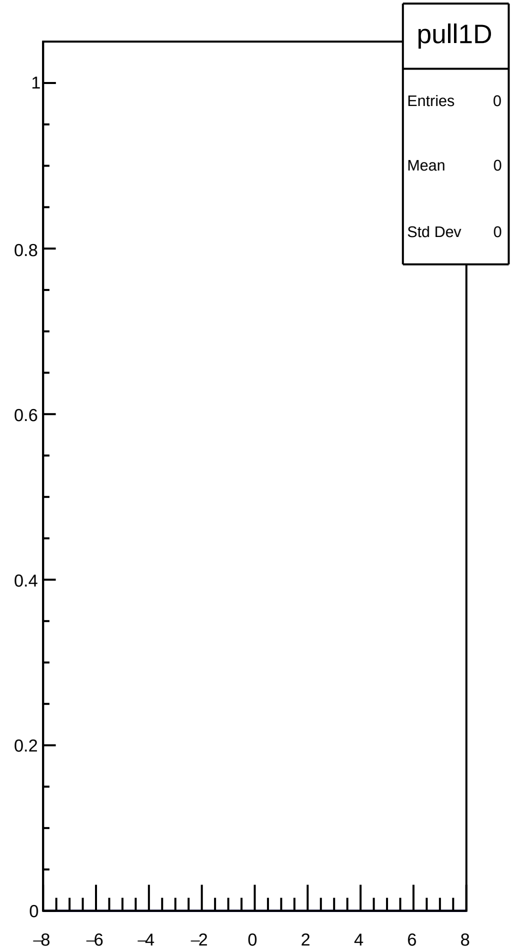
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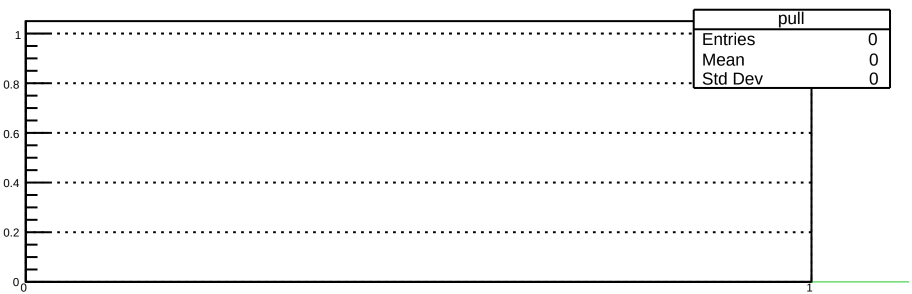
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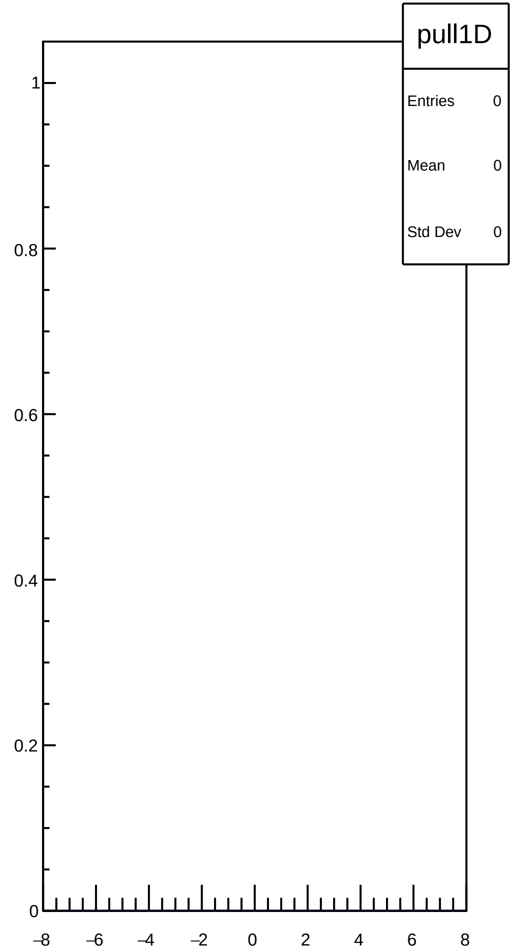
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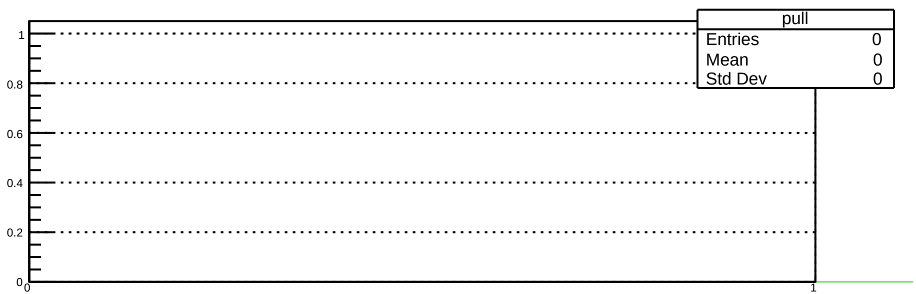
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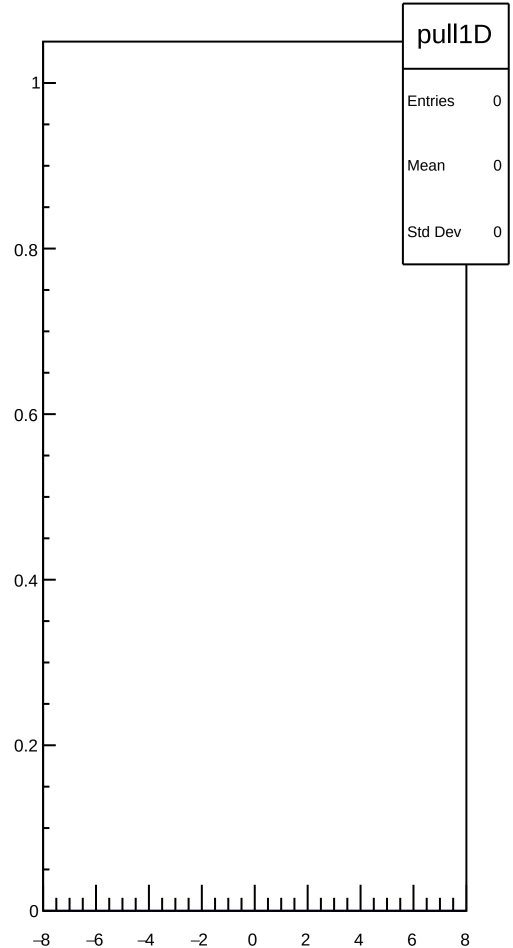
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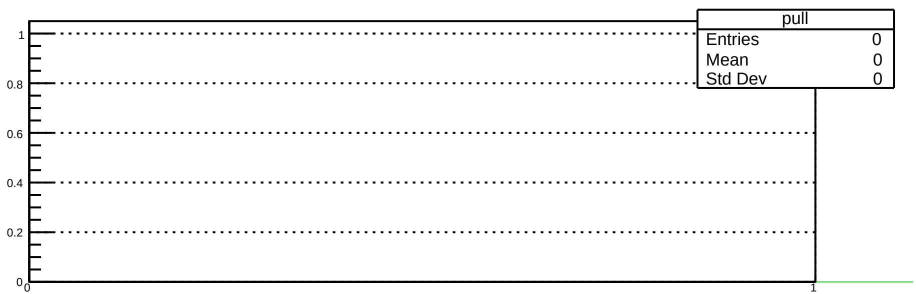
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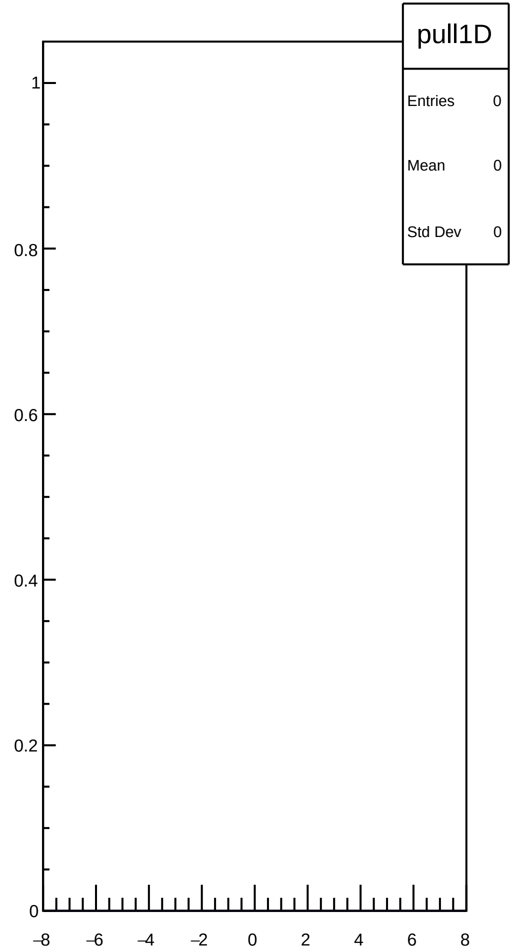
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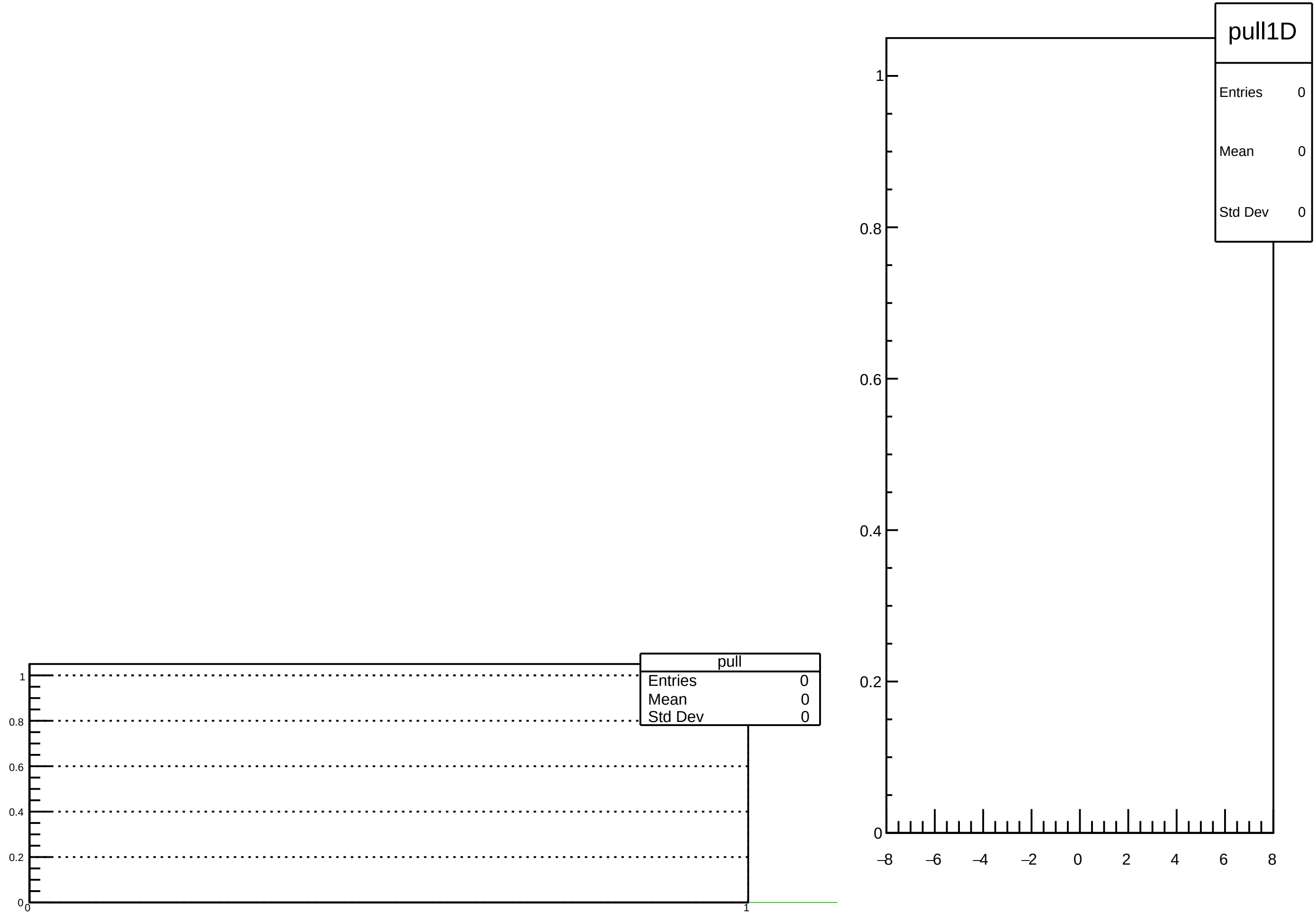
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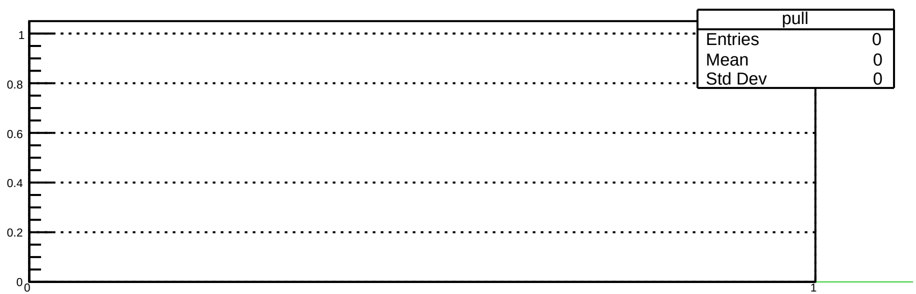
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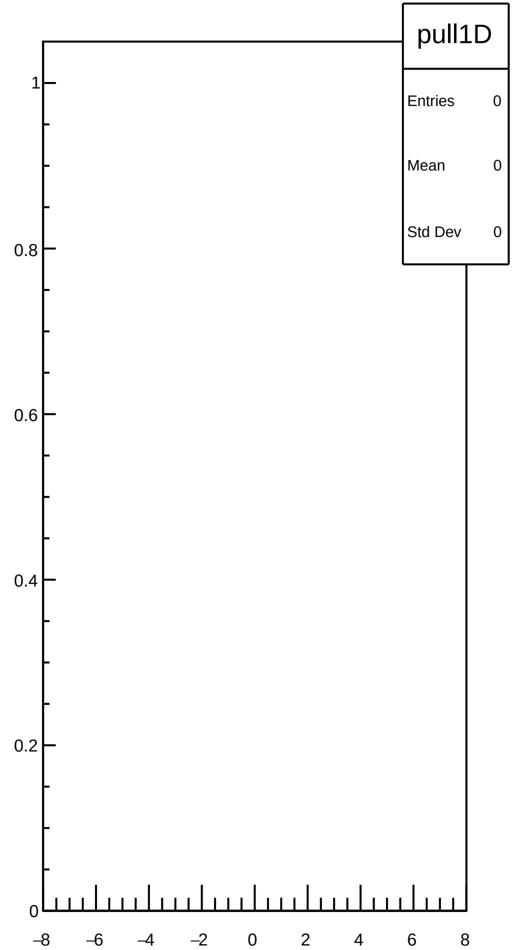
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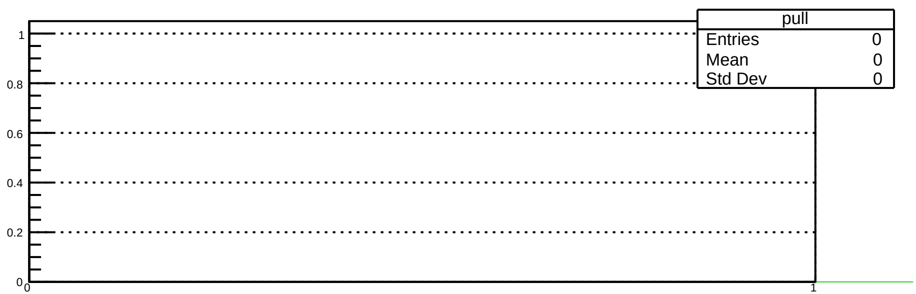
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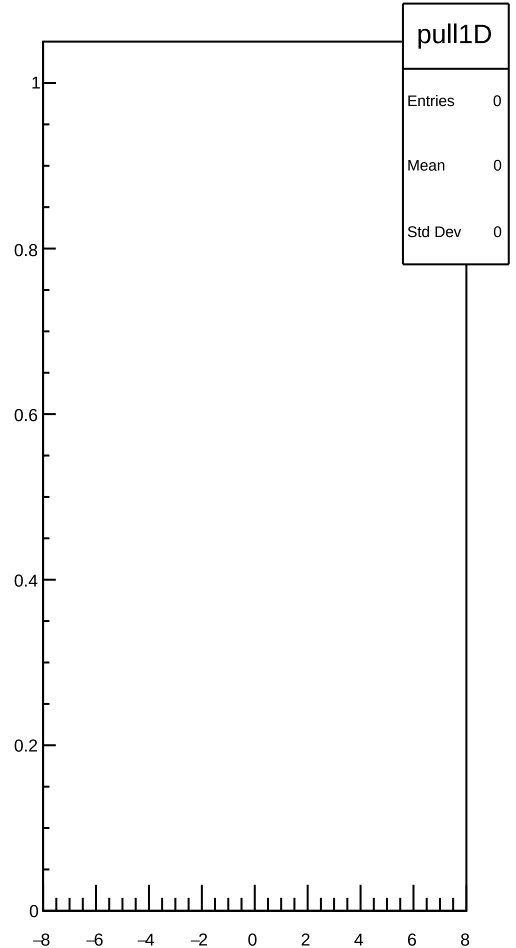
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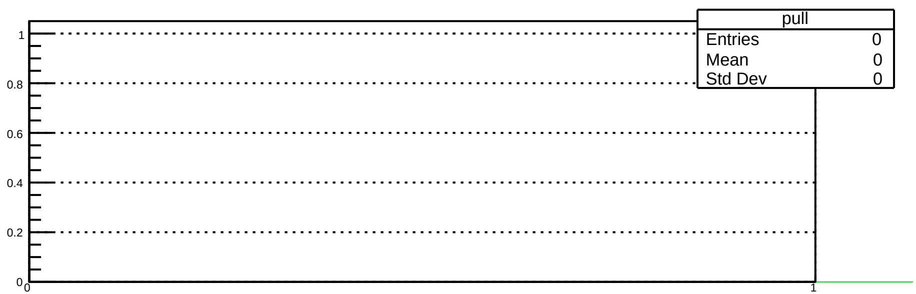
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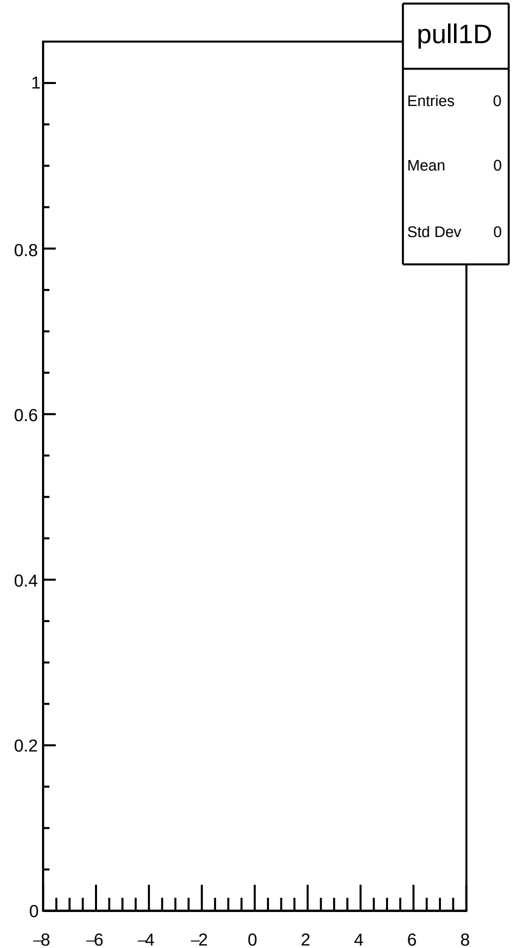
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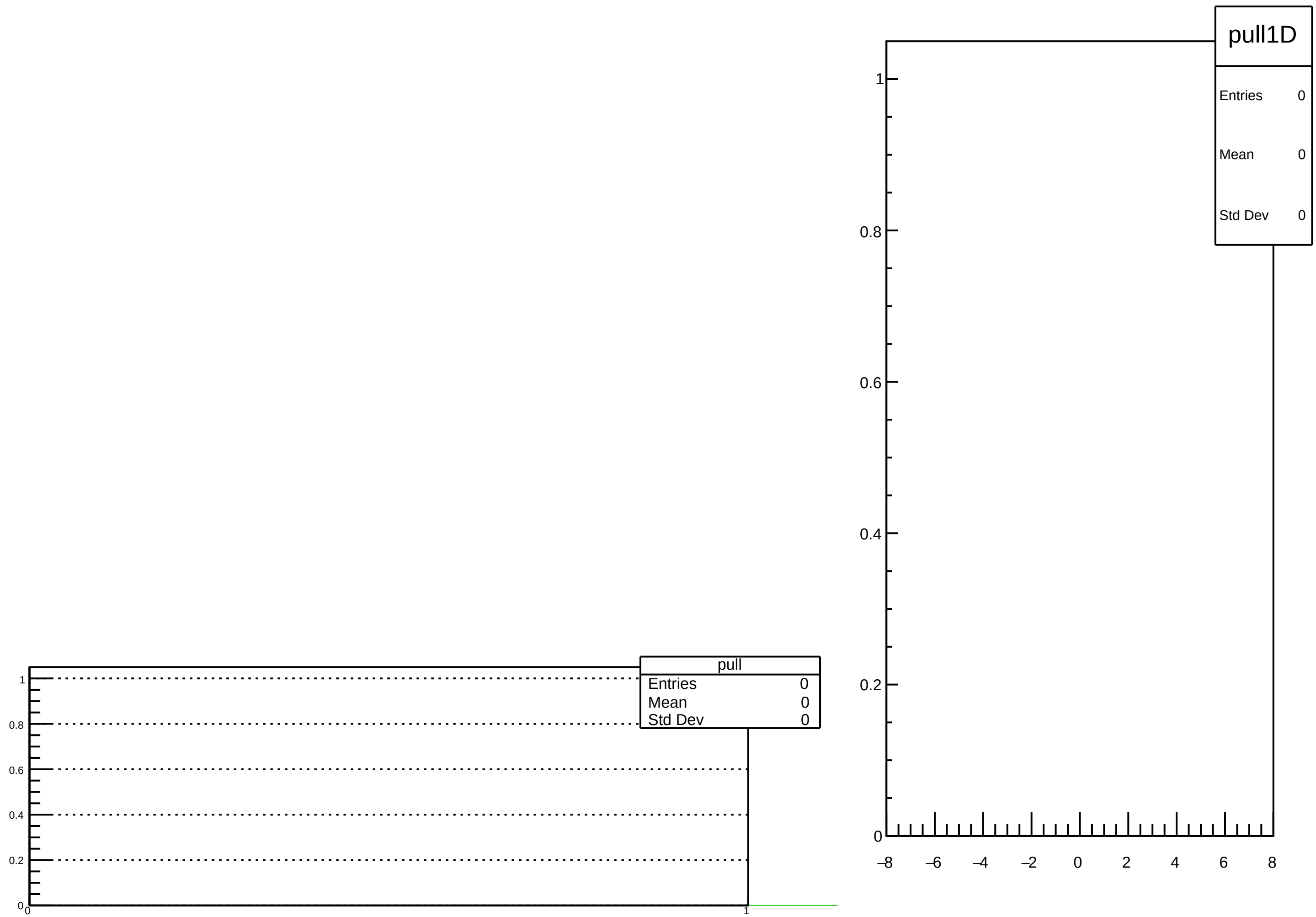
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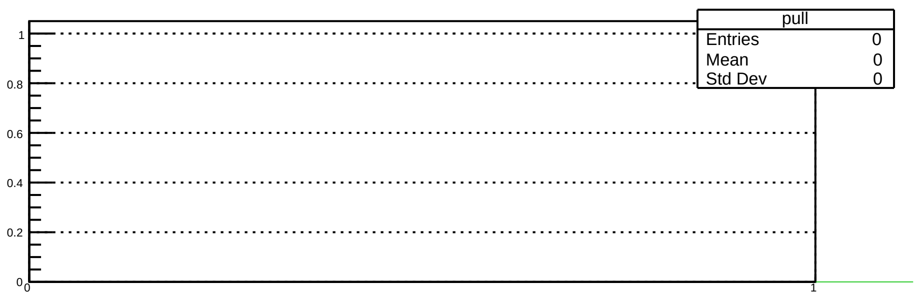
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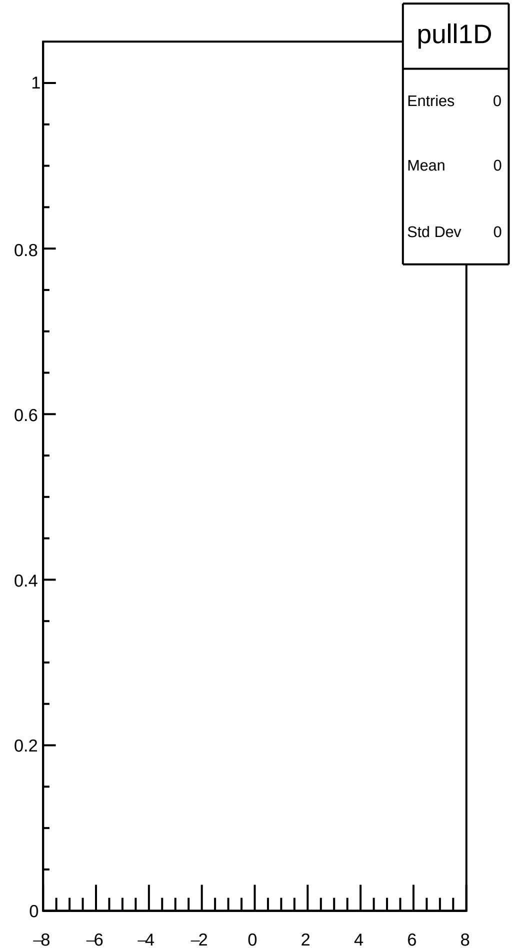
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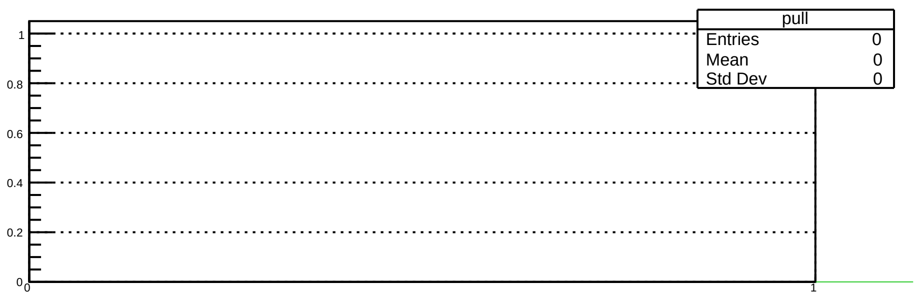
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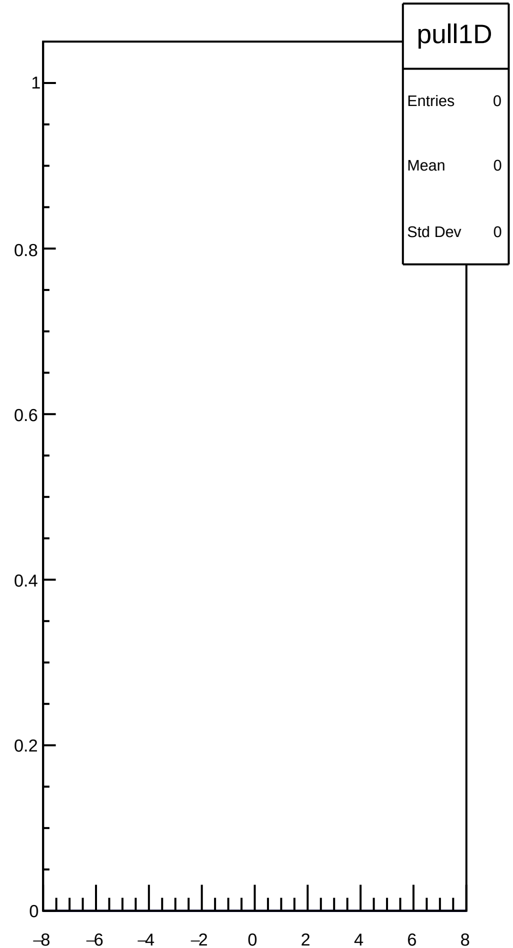
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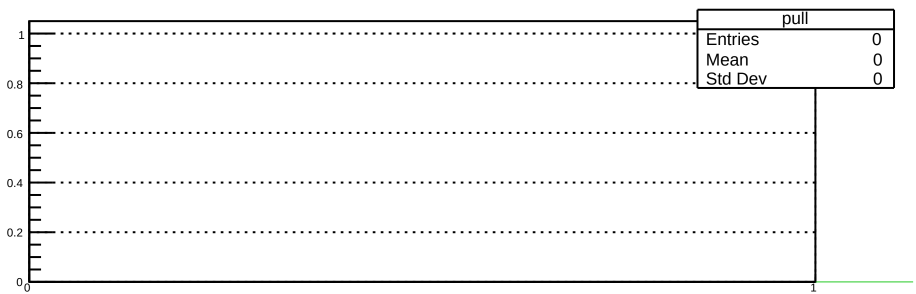
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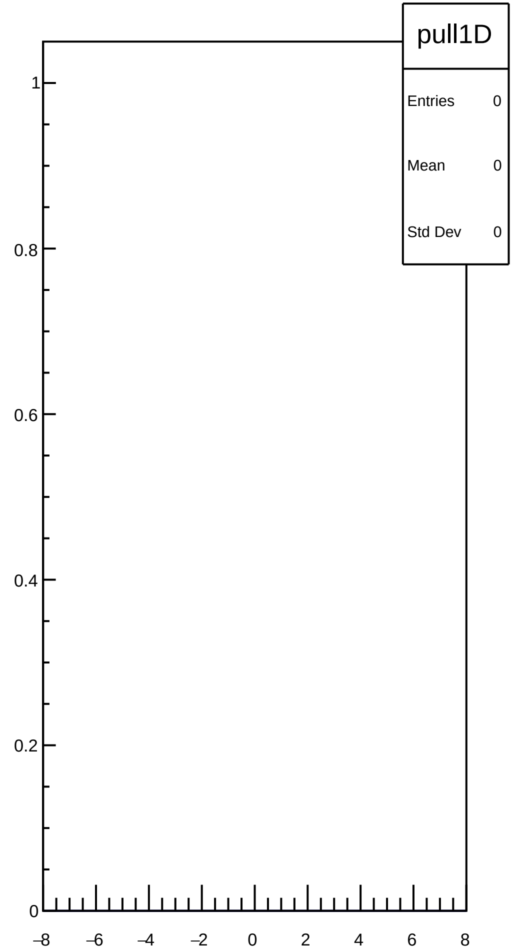
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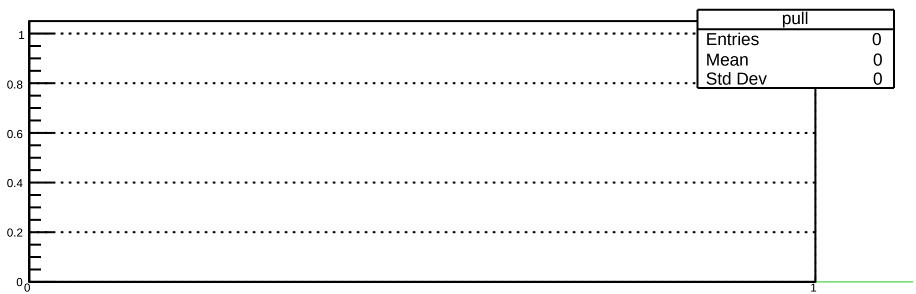

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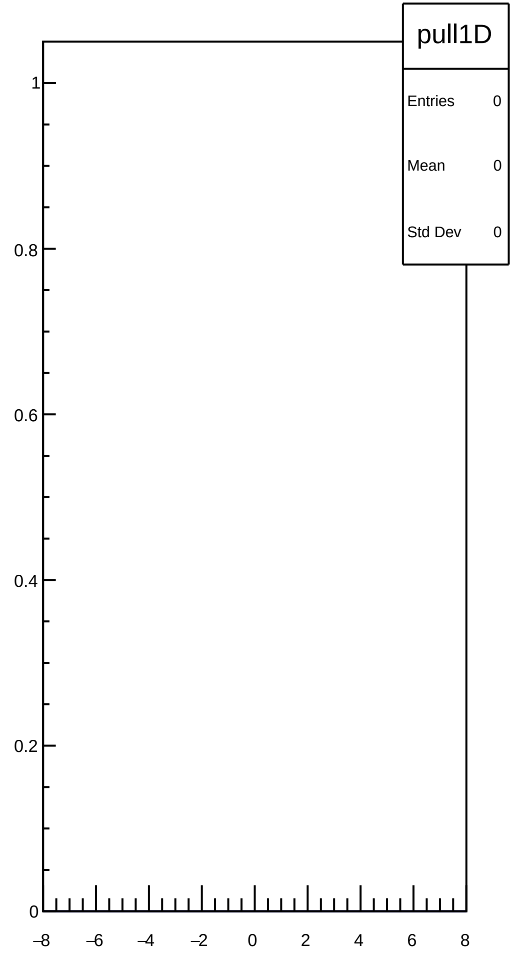

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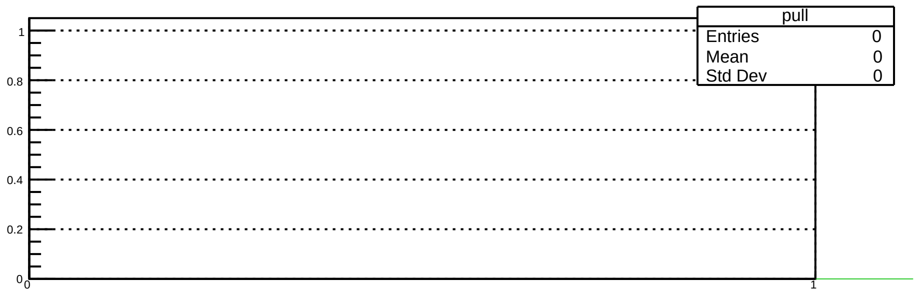

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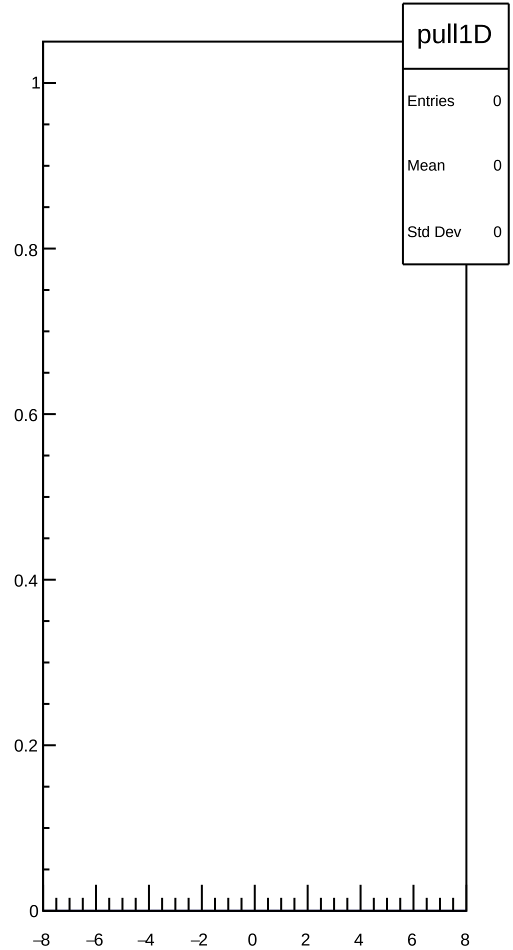

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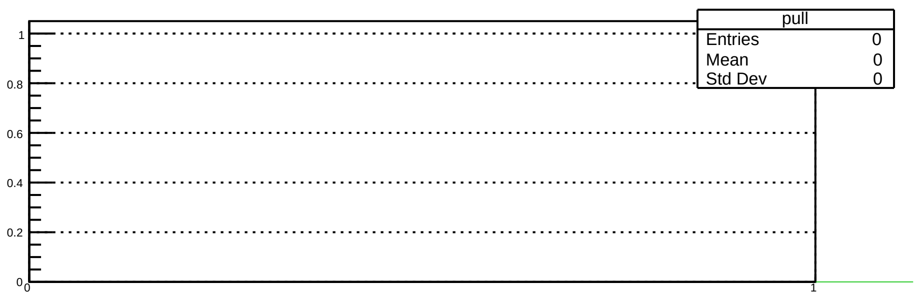
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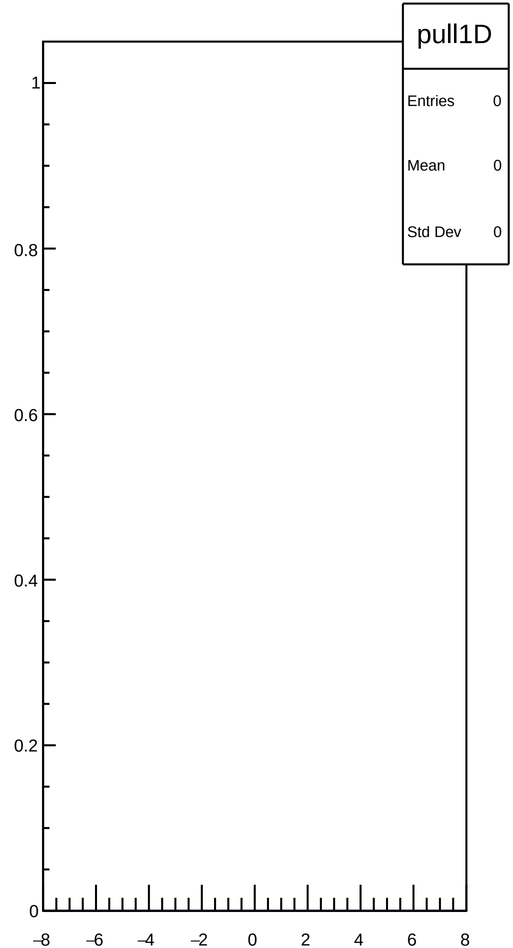
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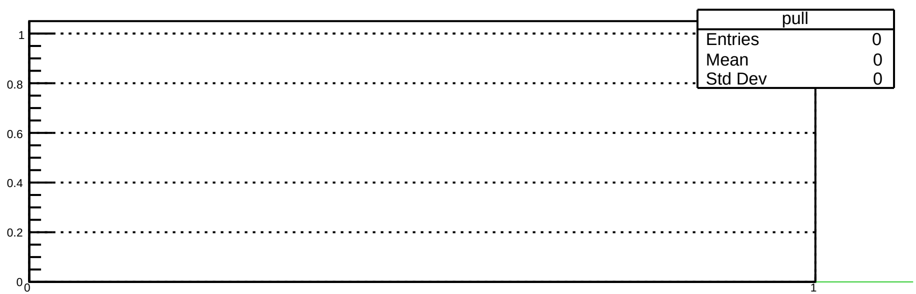
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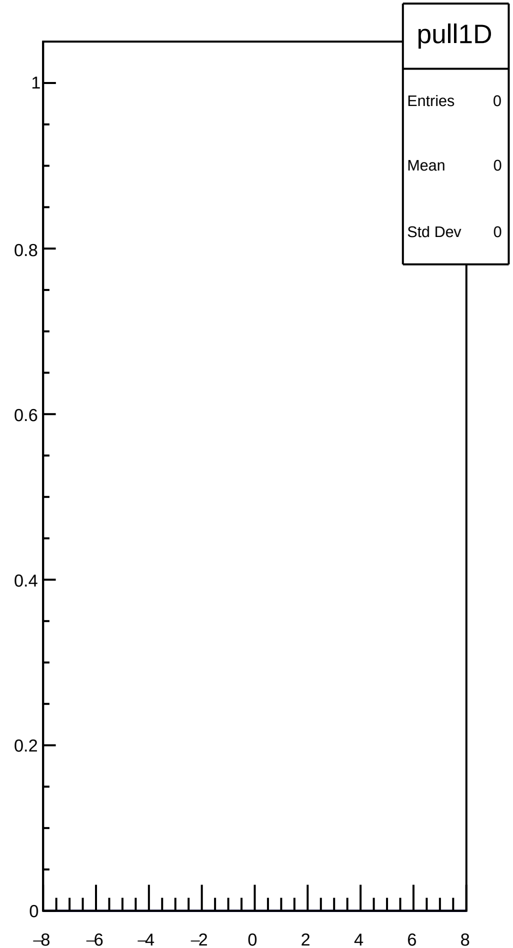
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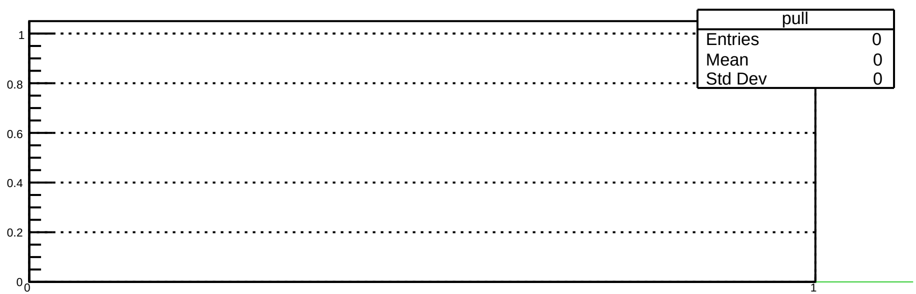

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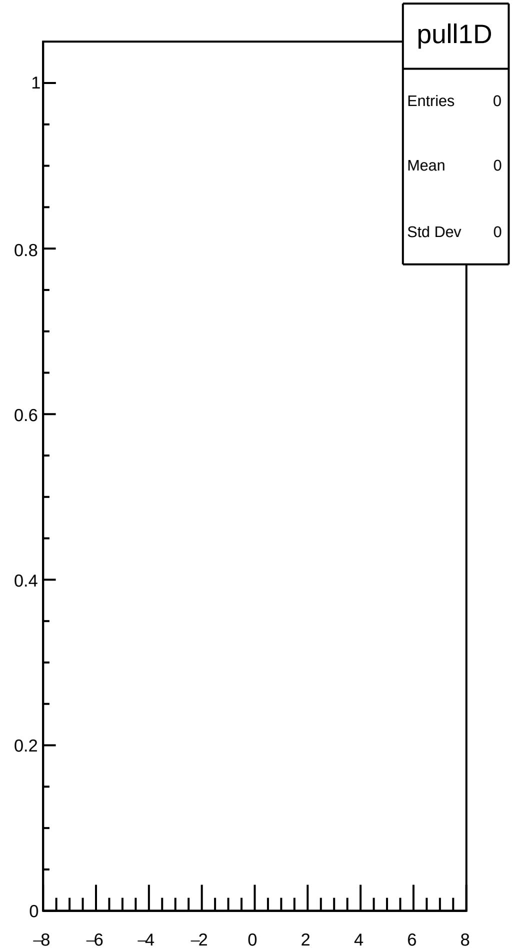

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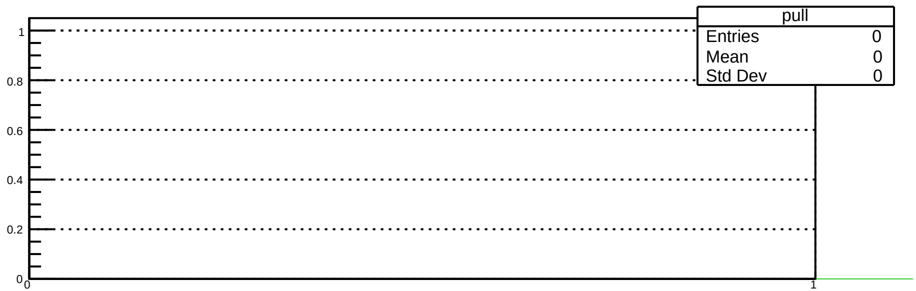
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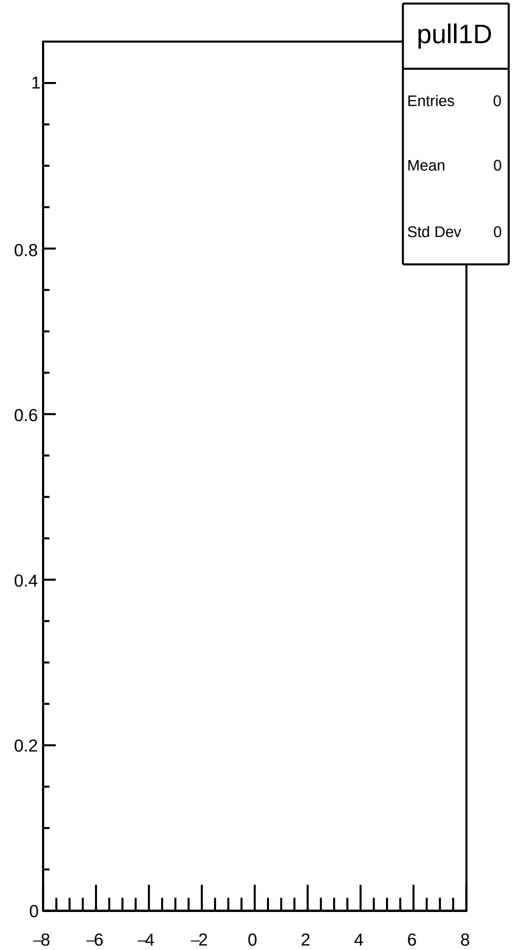
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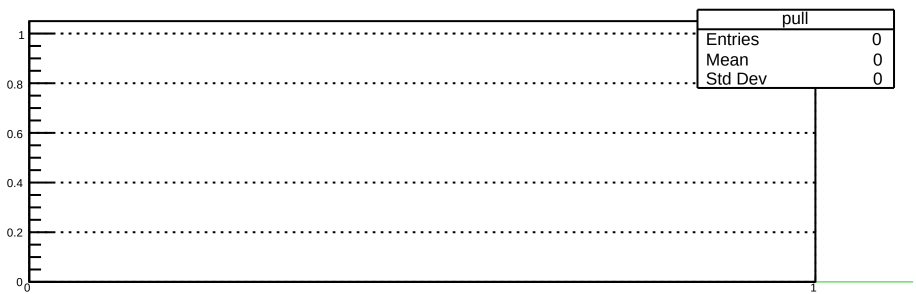

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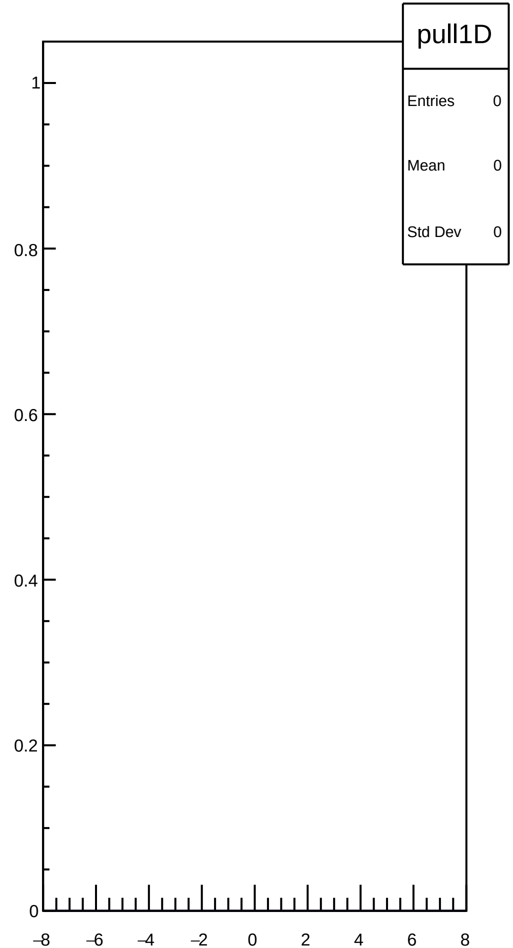

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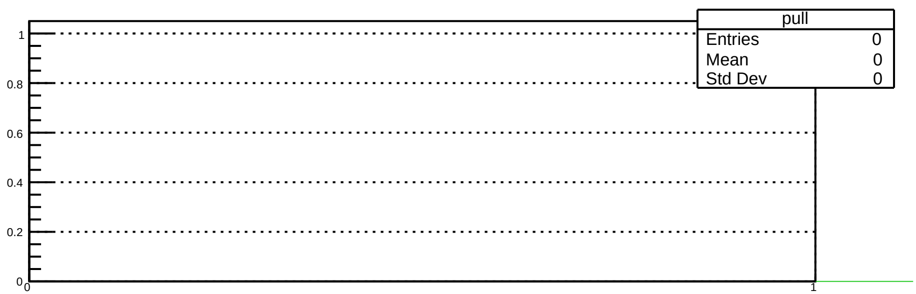
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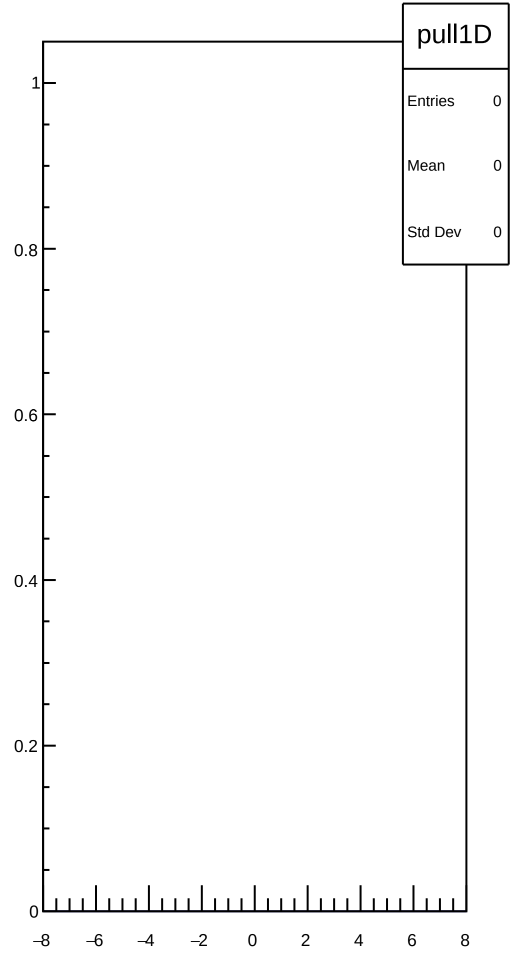
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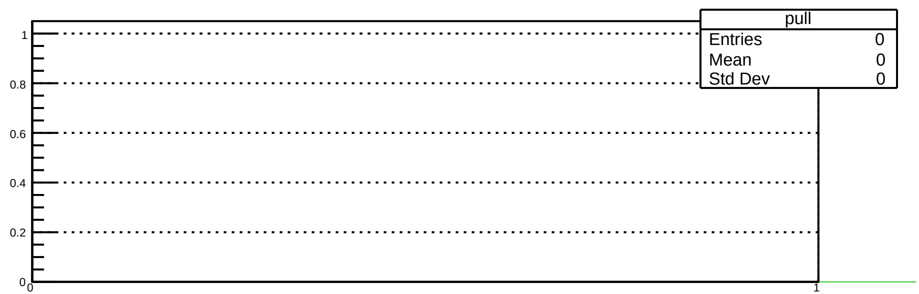
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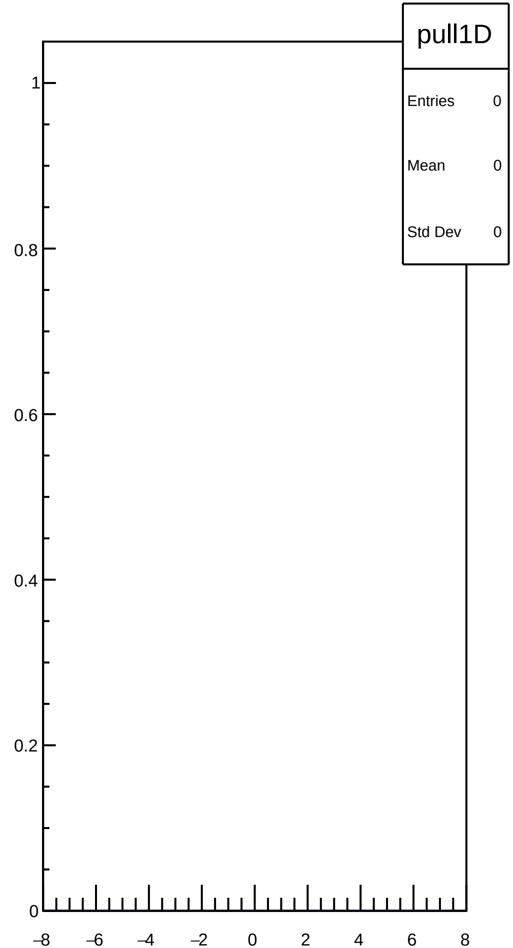
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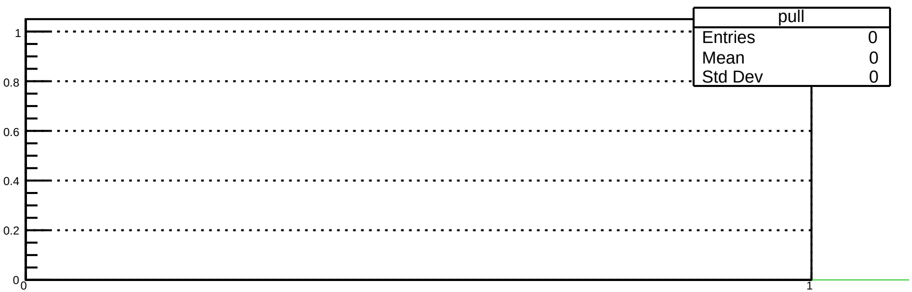
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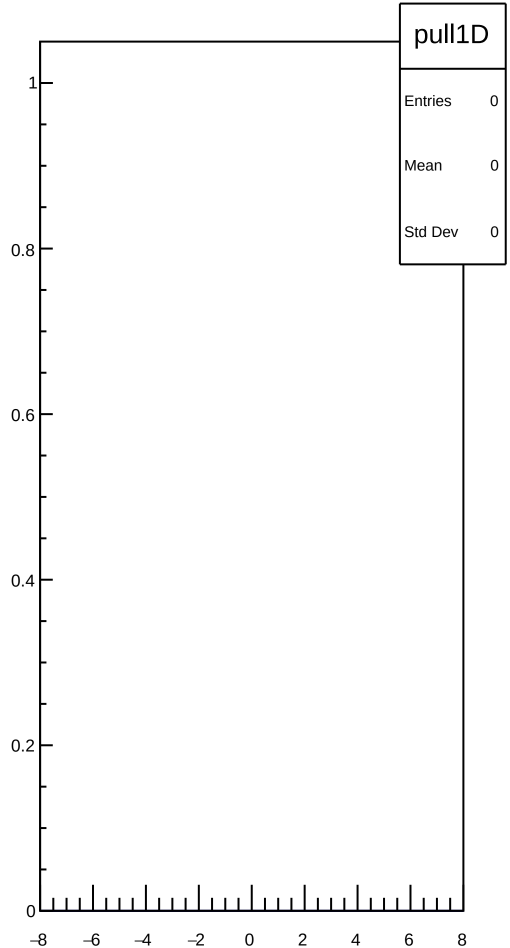
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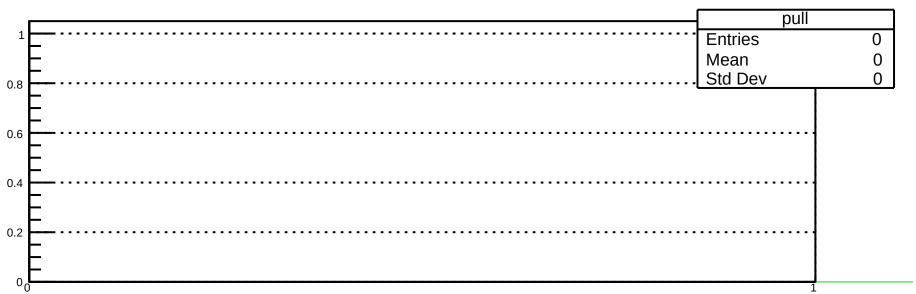
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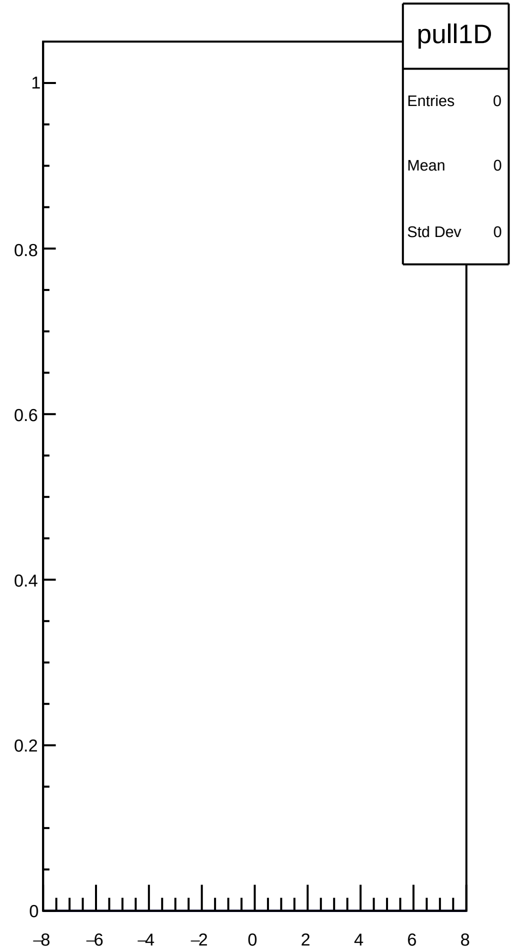
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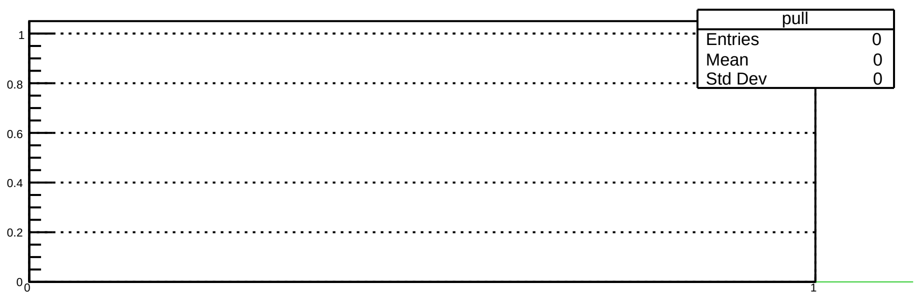

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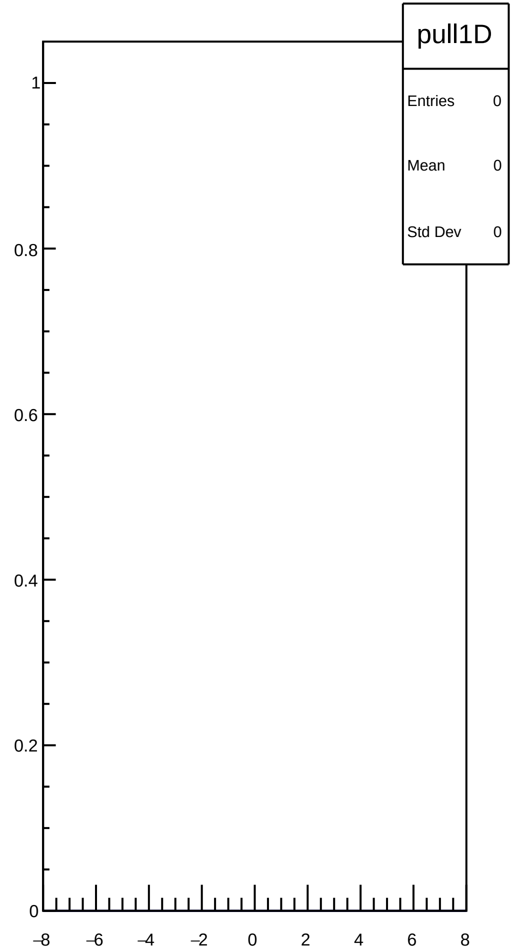
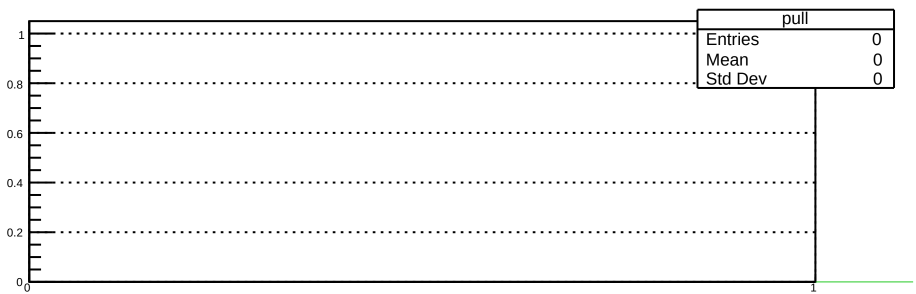
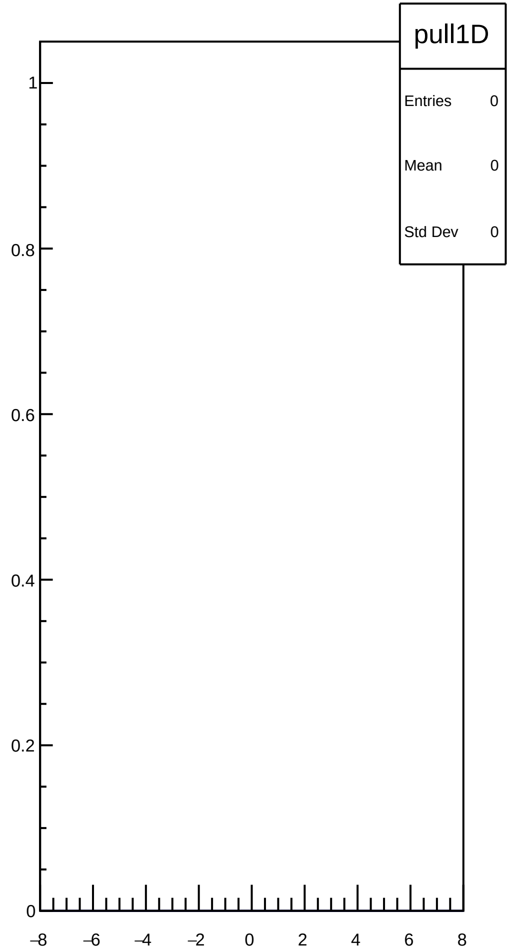
0.4
0.6
0.8
1
0
1



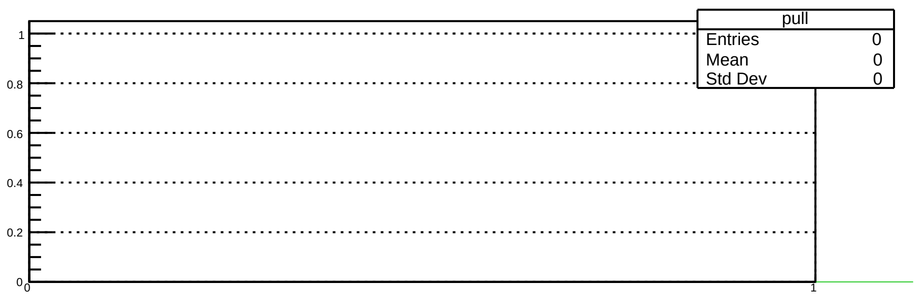
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8



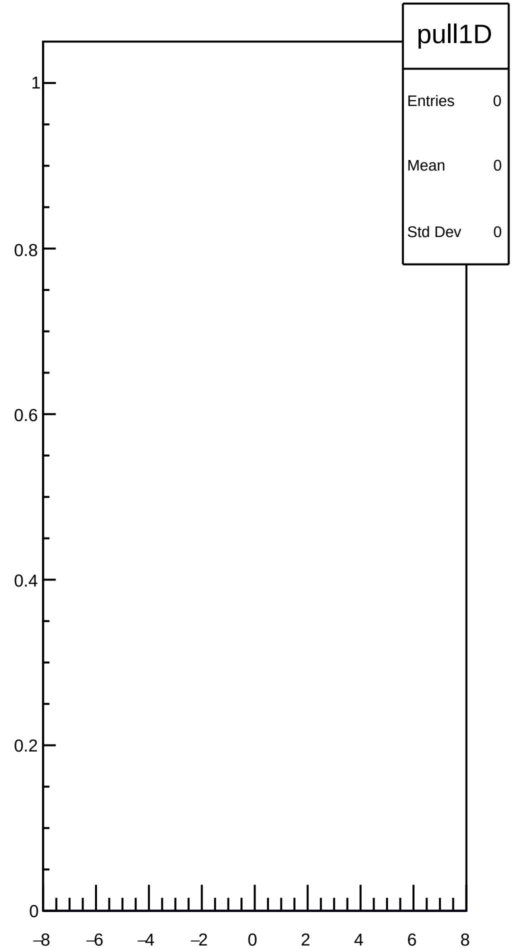
pull
Entries 0
Mean 0
Std Dev 0



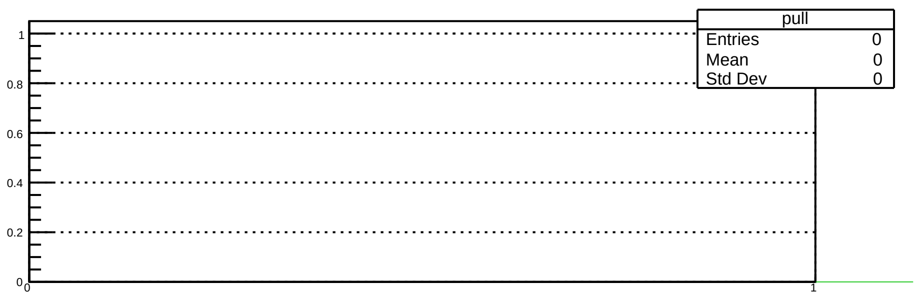
pull1D
Entries 0
Mean 0
Std Dev 0



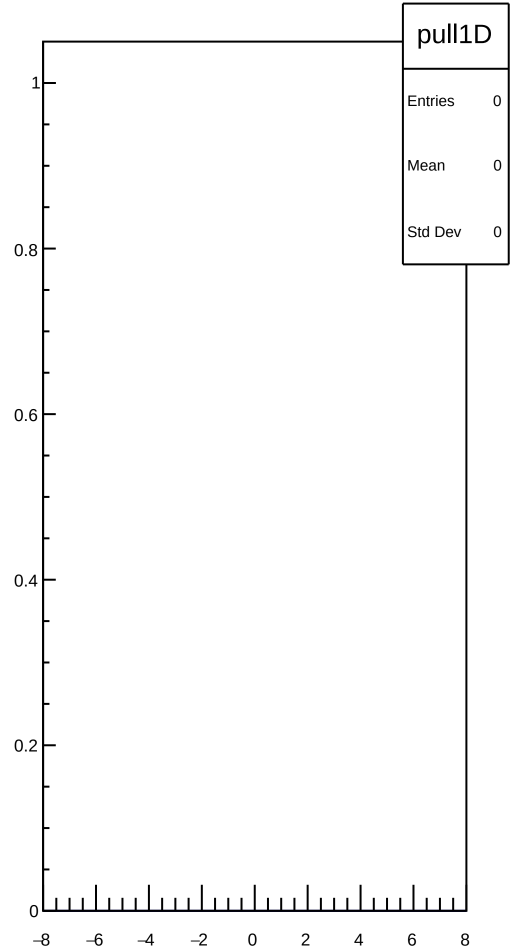
pull
Entries 0
Mean 0
Std Dev 0



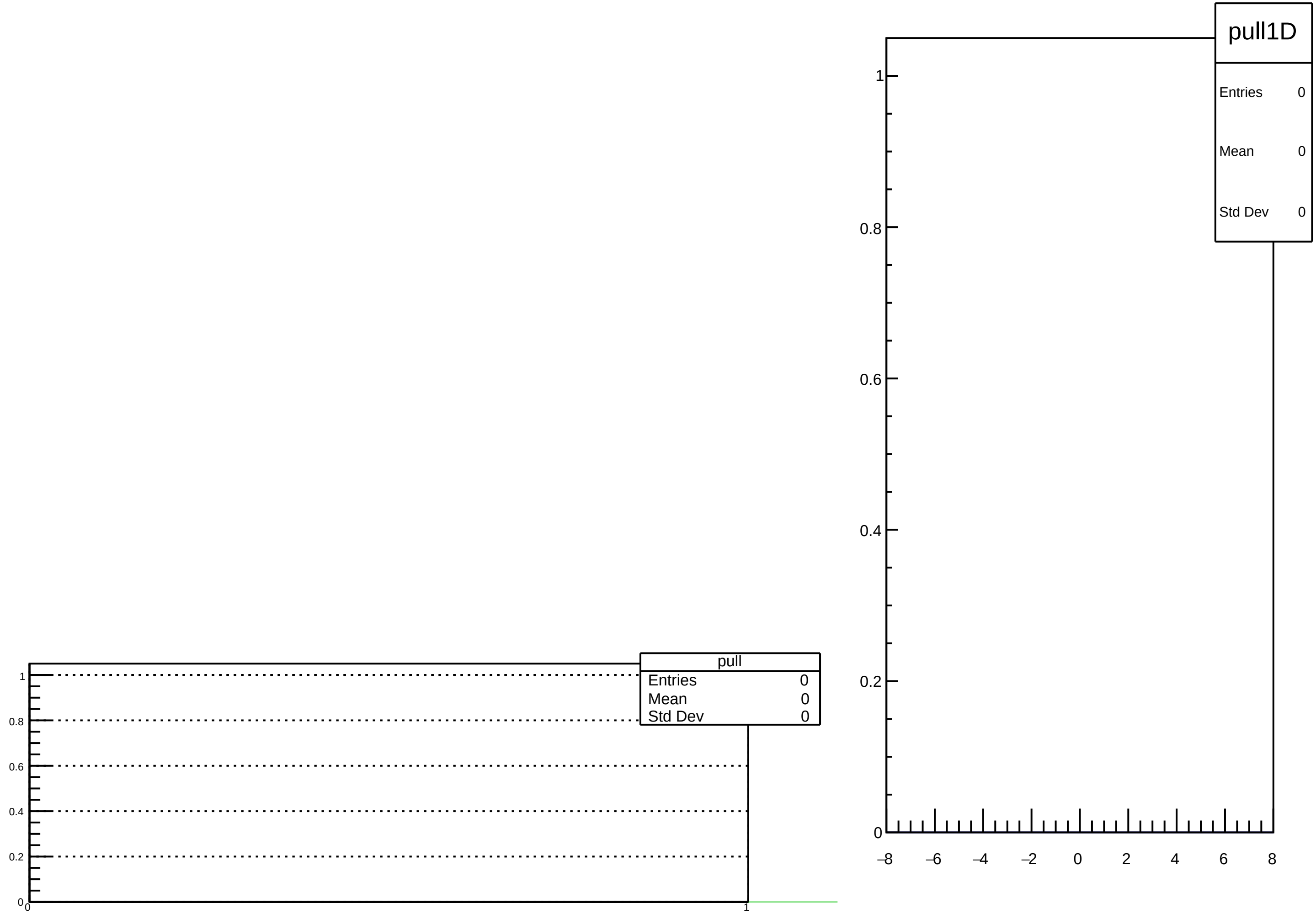
pull1D
Entries 0
Mean 0
Std Dev 0



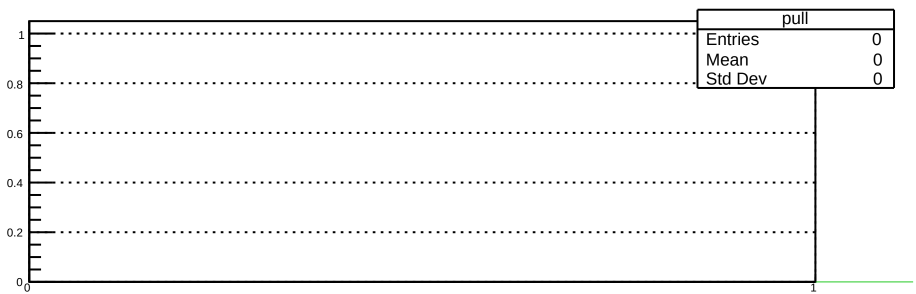
pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1

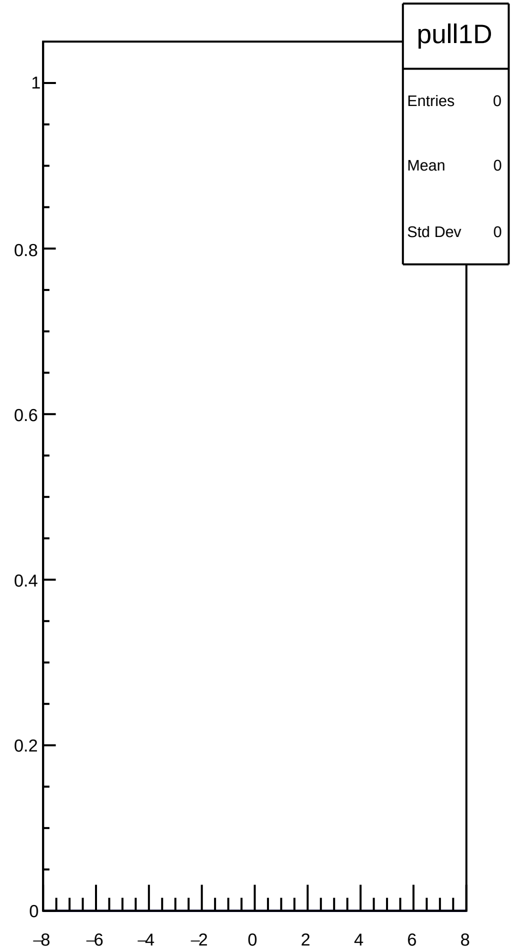


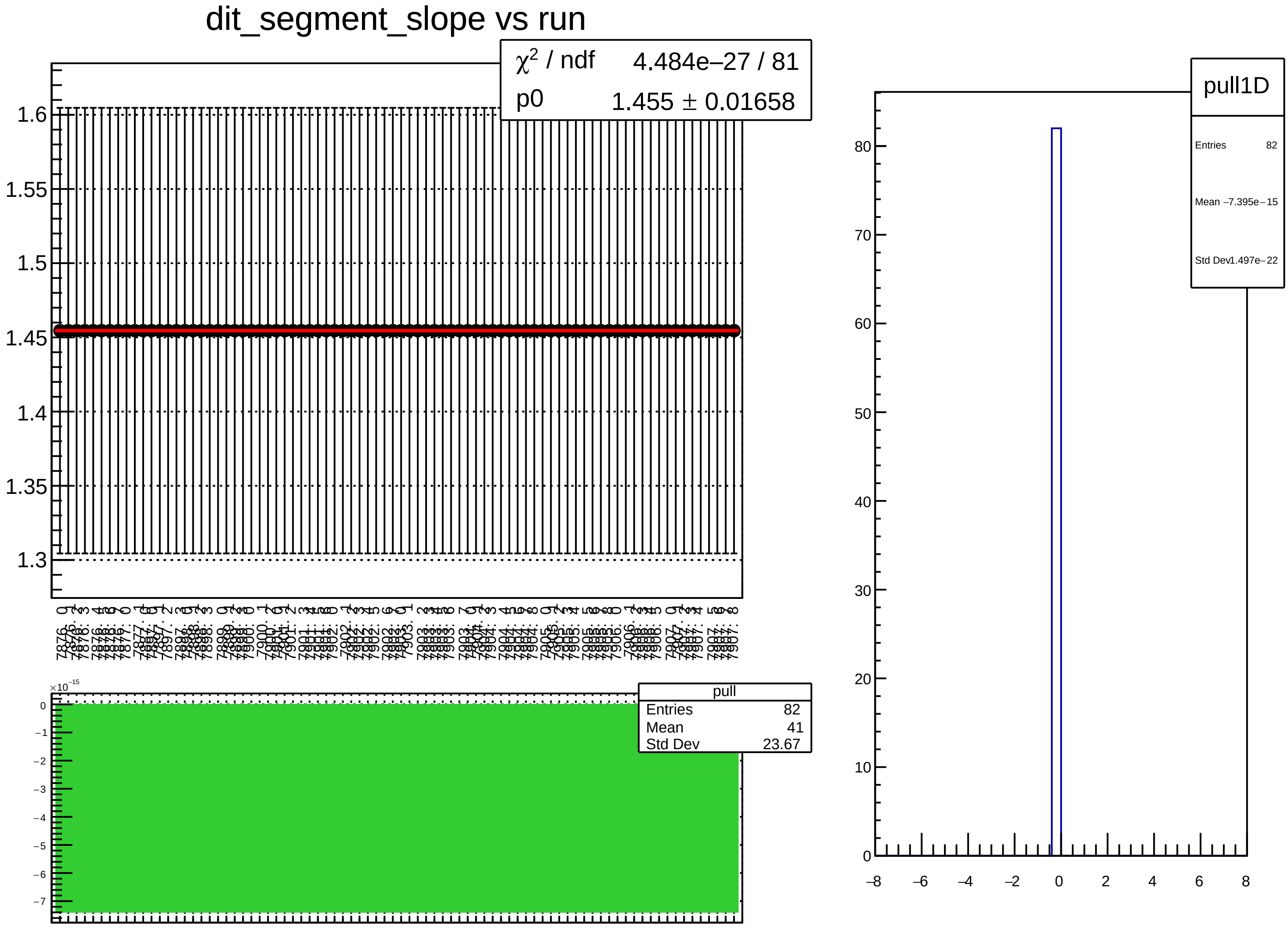
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8



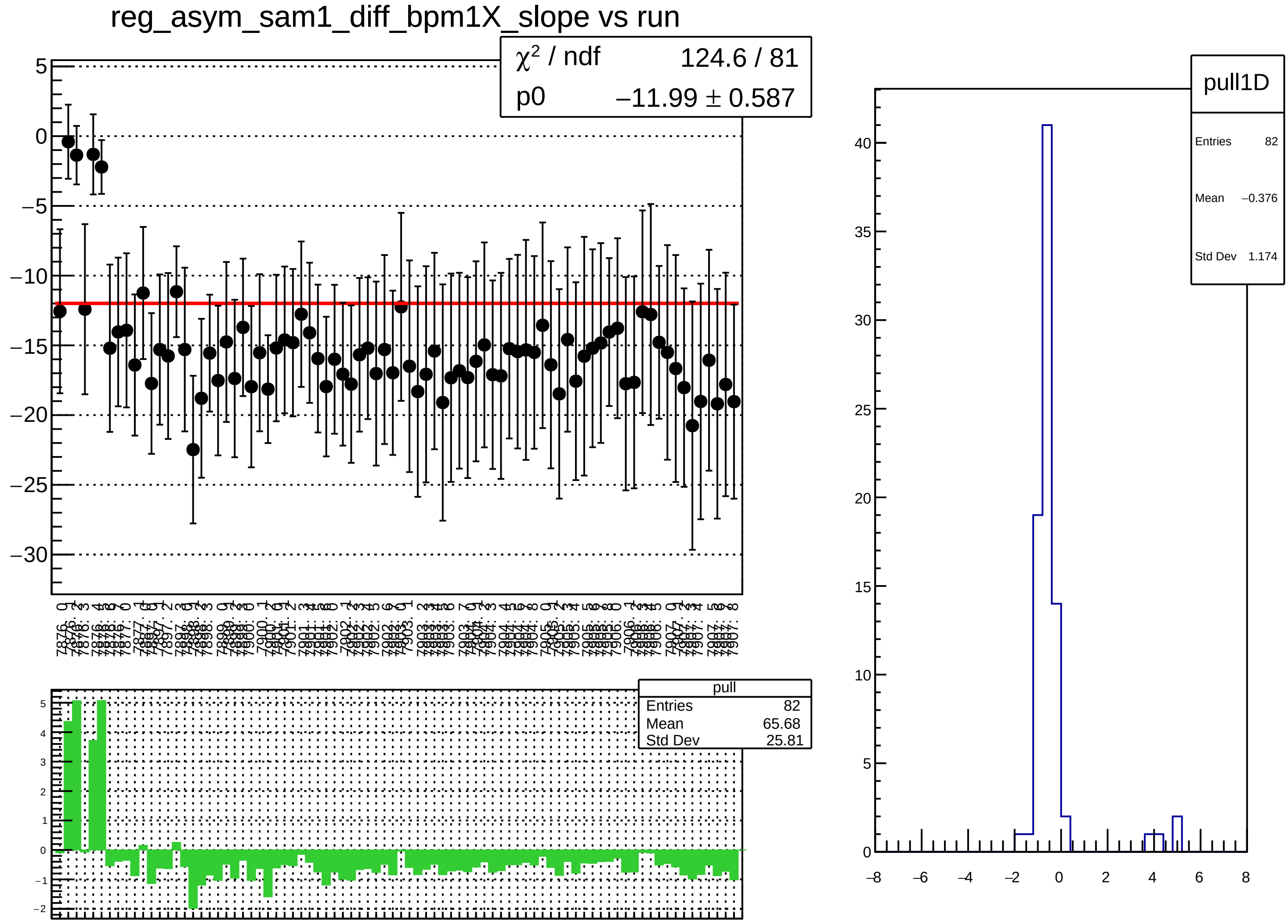
pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


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

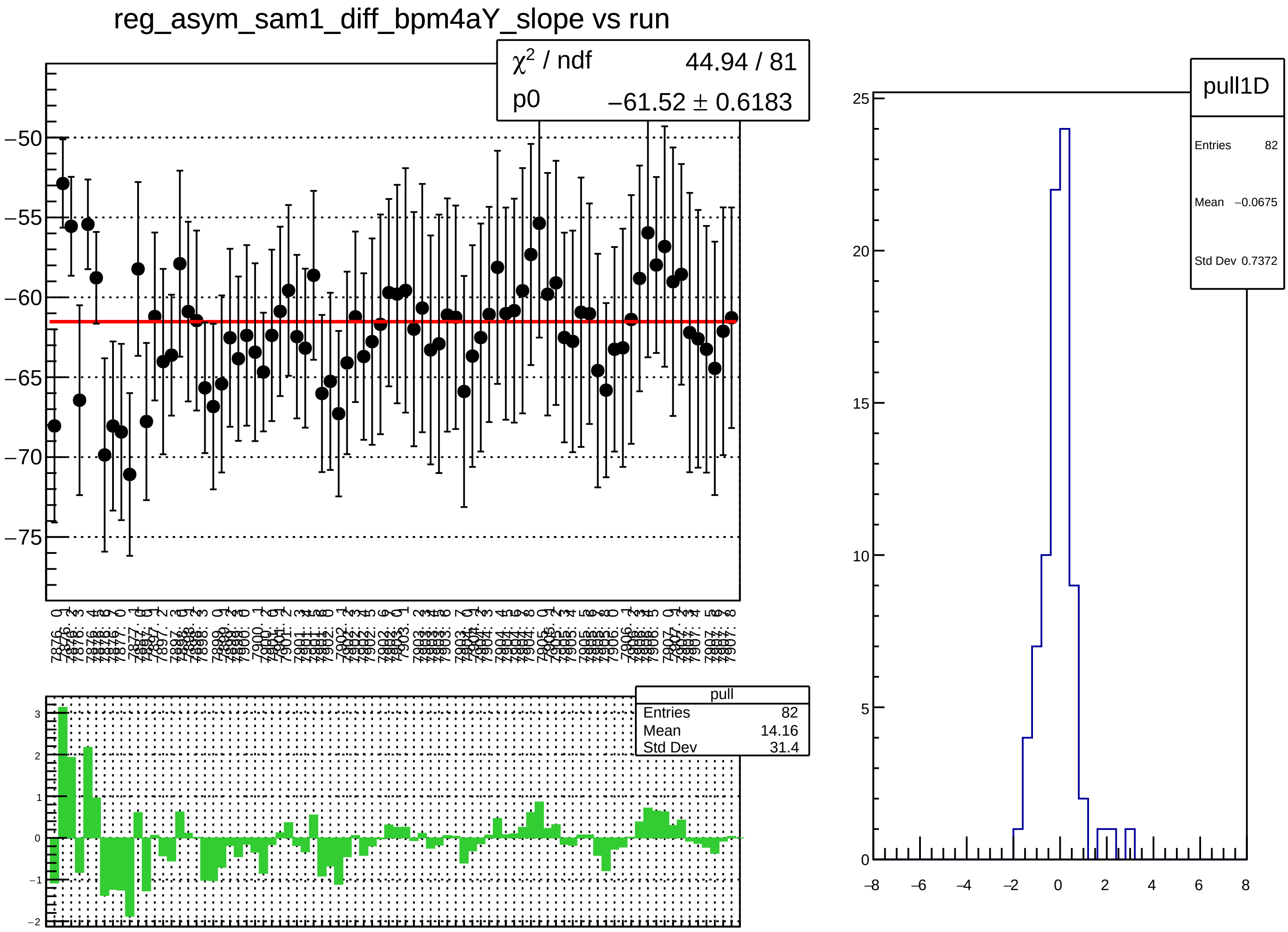

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8



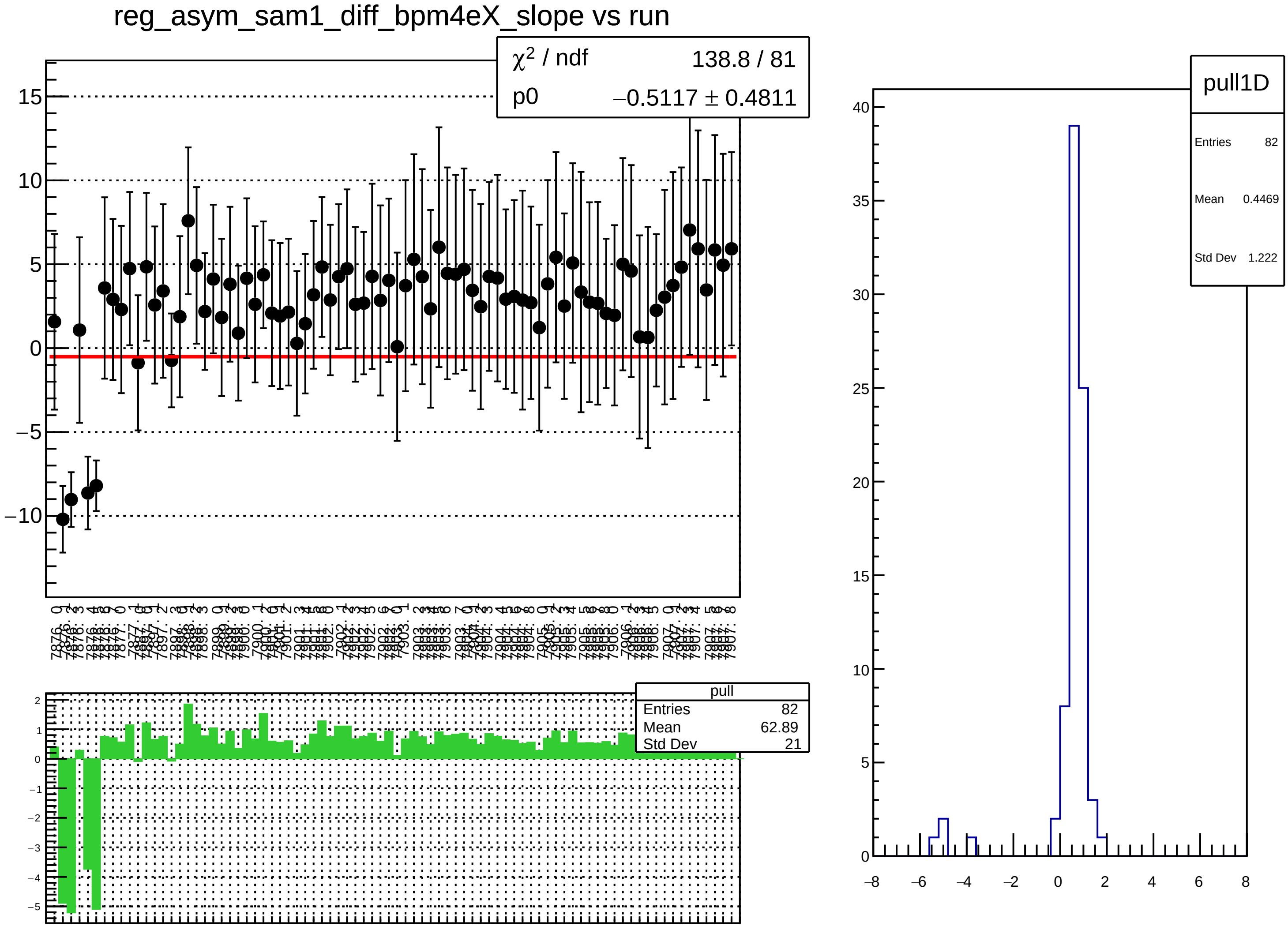
dit_segment_slope vs run
χ^2 / ndf 4.484e−27 / 81
p0 1.455 ± 0.01658
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.395e−15
Std Dev 1.497e−22



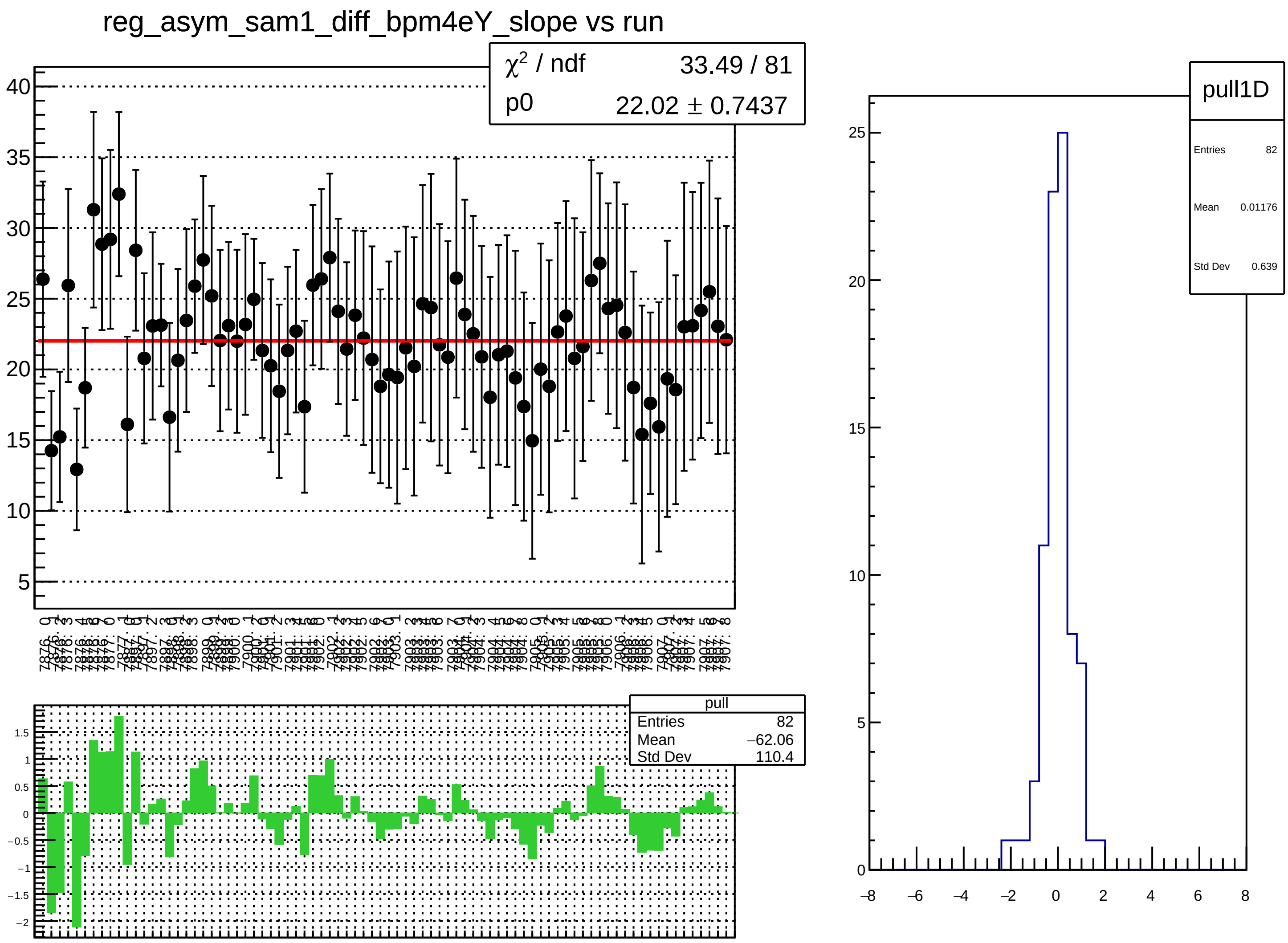
reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 124.6 / 81
p0 −11.99 ± 0.587
pull
Entries 82
Mean 65.68
Std Dev 25.81
pull1D
Entries 82
Mean −0.376
Std Dev 1.174

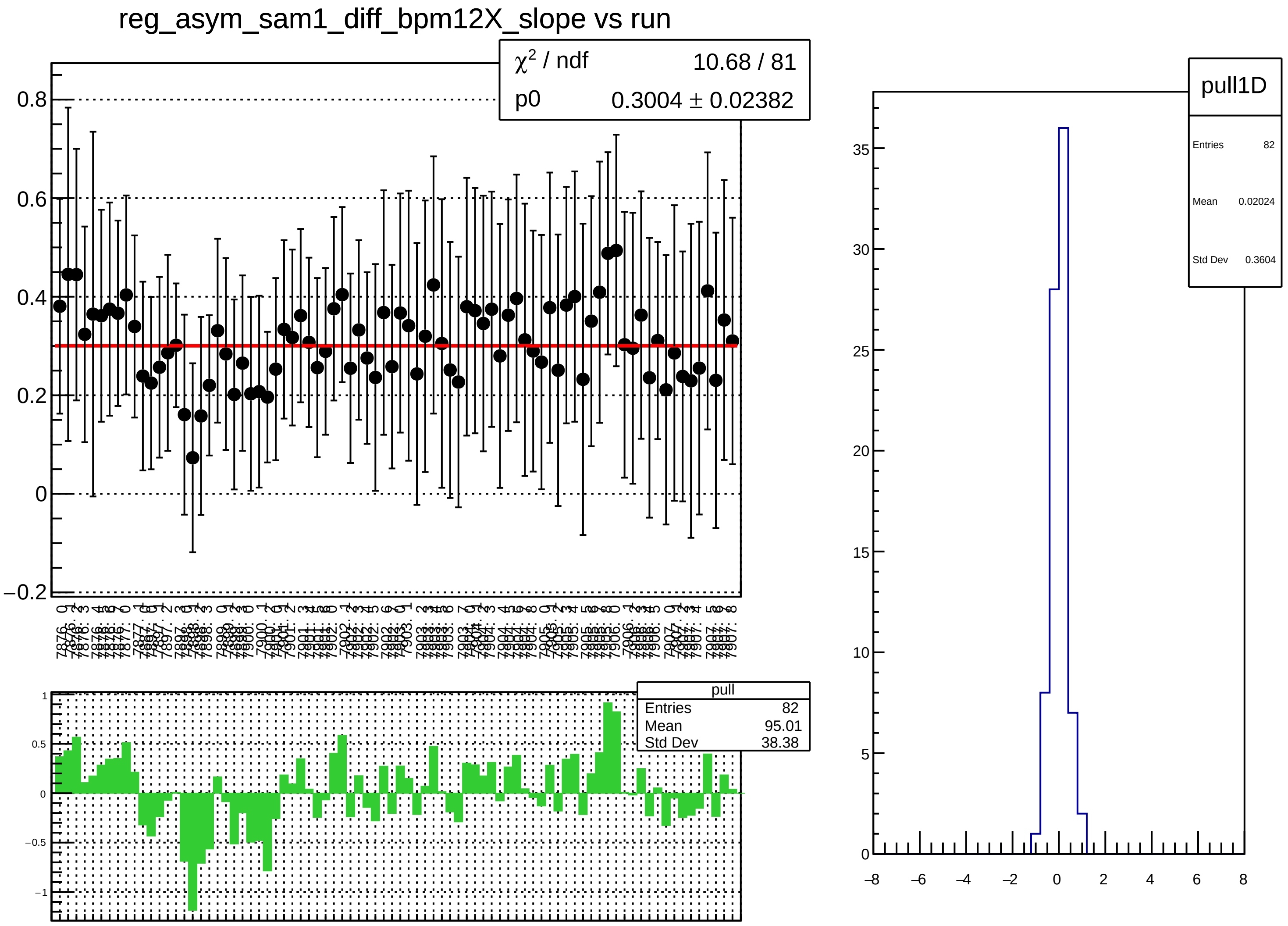


reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 44.94 / 81
p0 −61.52 ± 0.6183
−50
−55
−60
−65
−70
−75
pull
Entries 82
Mean 14.16
Std Dev 31.4
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.0675
Std Dev 0.7372
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

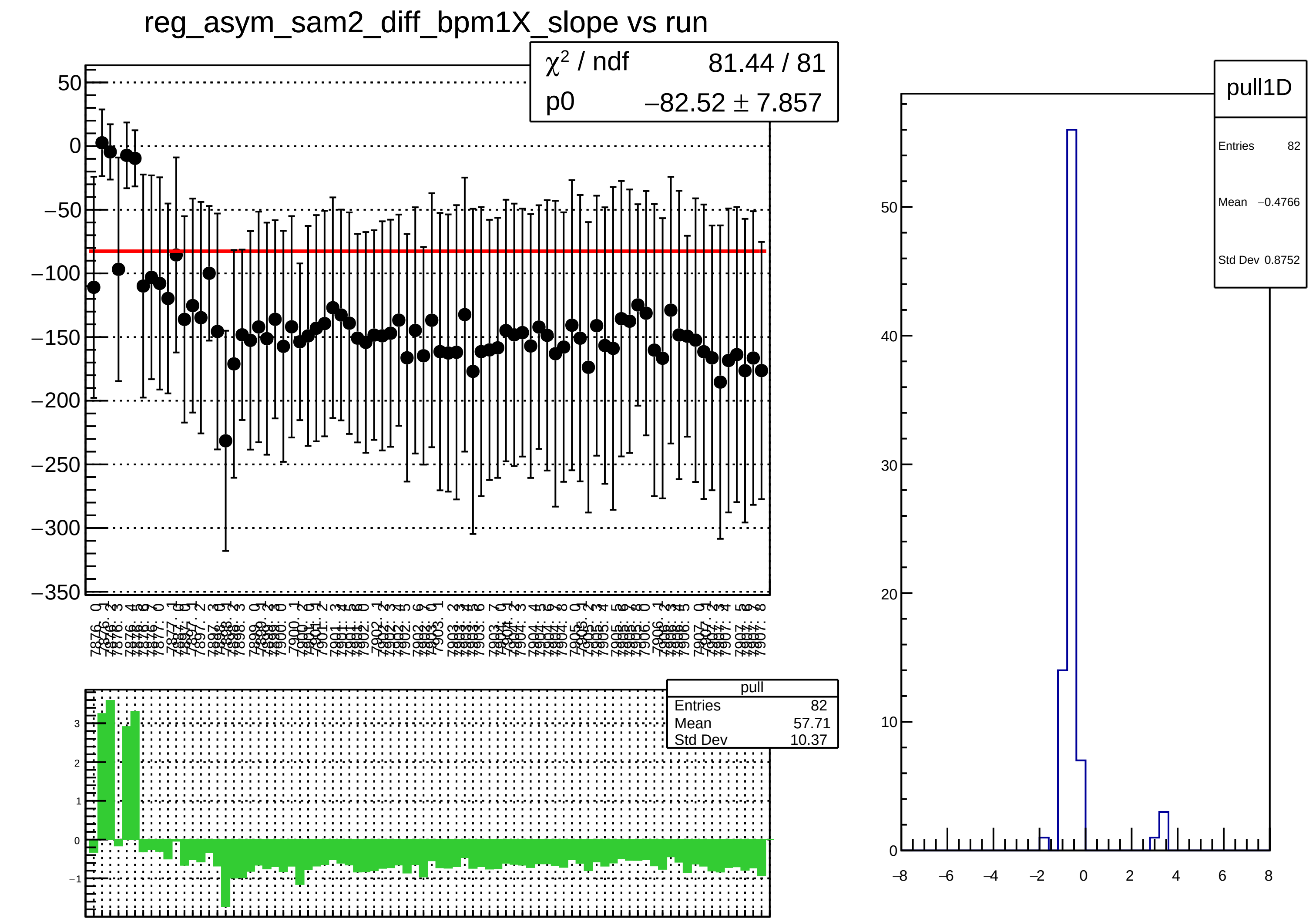


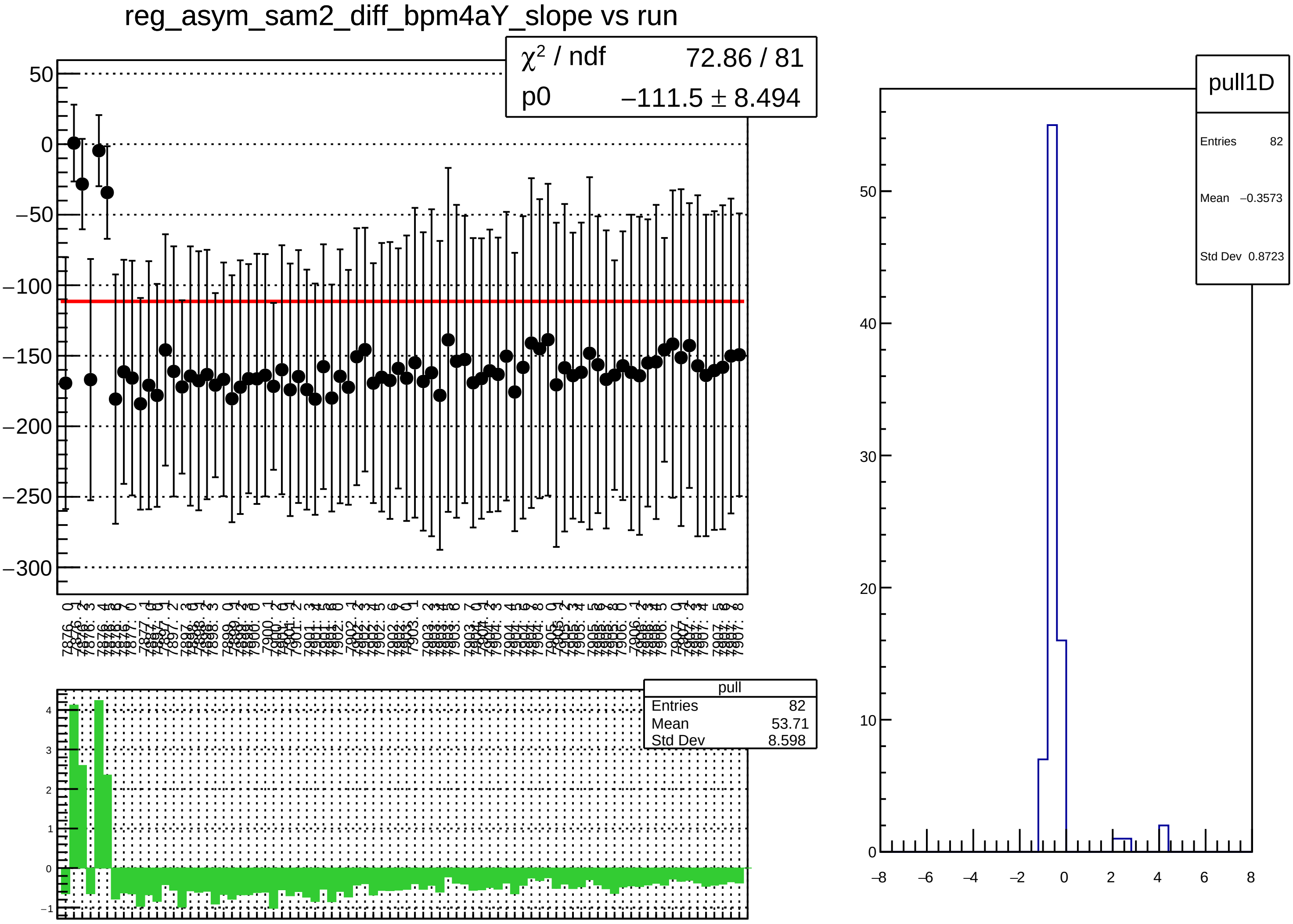
reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 138.8 / 81
p0 −0.5117 ± 0.4811
pull
Entries 82
Mean 62.89
Std Dev 21
pull1D
Entries 82
Mean 0.4469
Std Dev 1.222


reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / 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

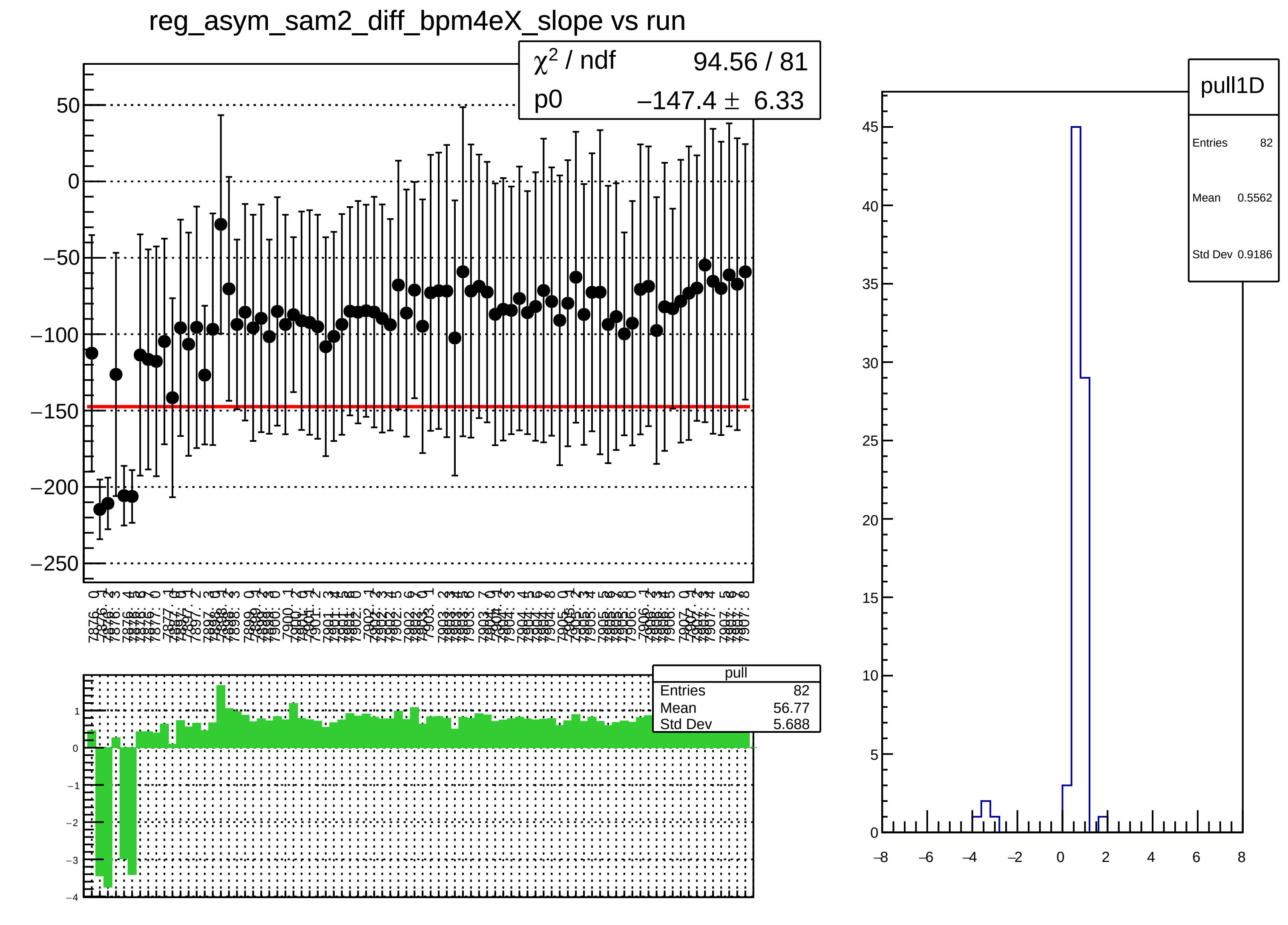


reg_asym_sam1_diff_bpm12X_slope vs run
χ2 / ndf 10.68 / 81
p0 0.3004 ± 0.02382
pull
Entries 82
Mean 95.01
Std Dev 38.38
pull1D
Entries 82
Mean 0.02024
Std Dev 0.3604

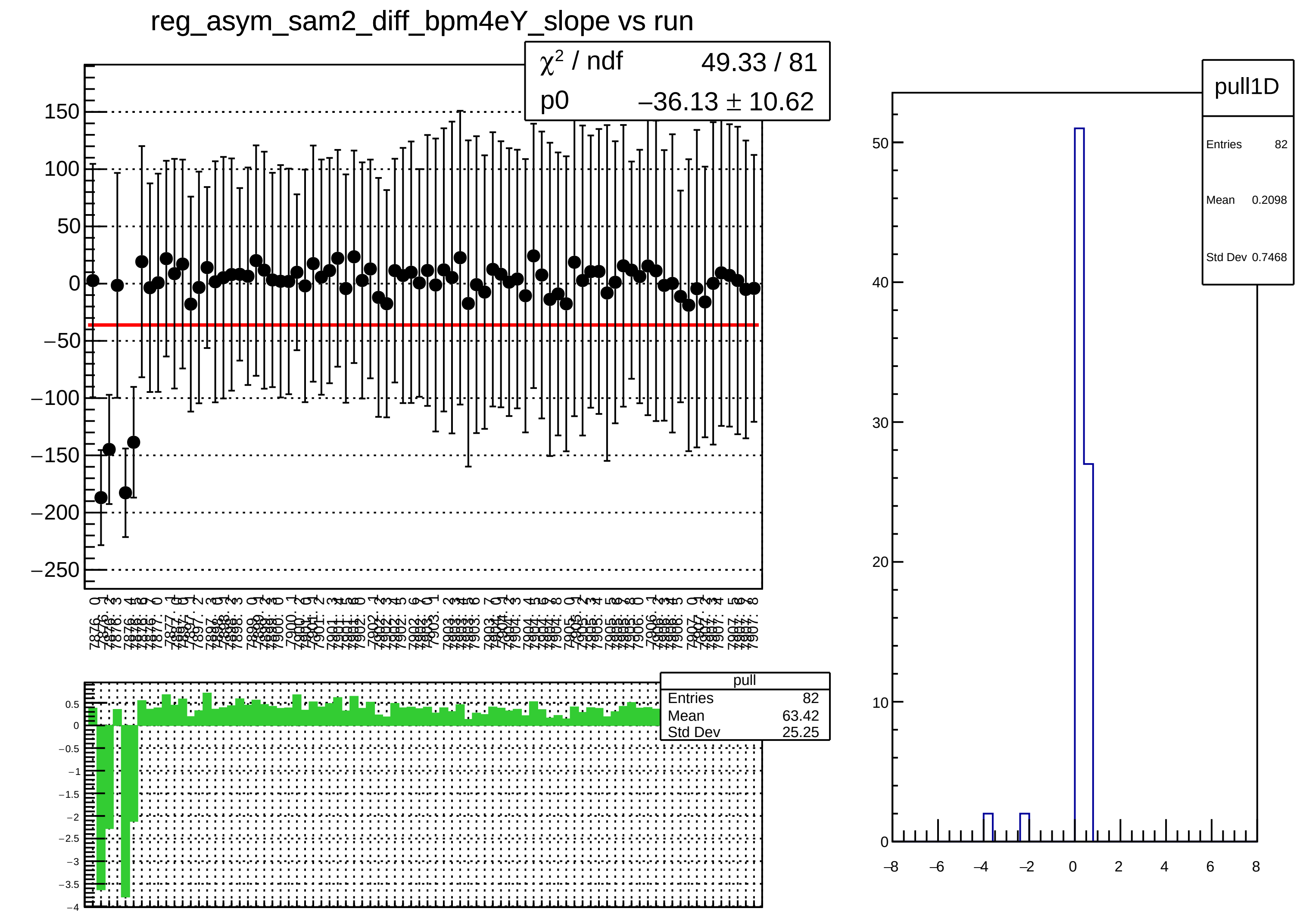

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 81.44 / 81
p0 −82.52 ± 7.857
pull
Entries 82
Mean 57.71
Std Dev 10.37
pull1D
Entries 82
Mean −0.4766
Std Dev 0.8752



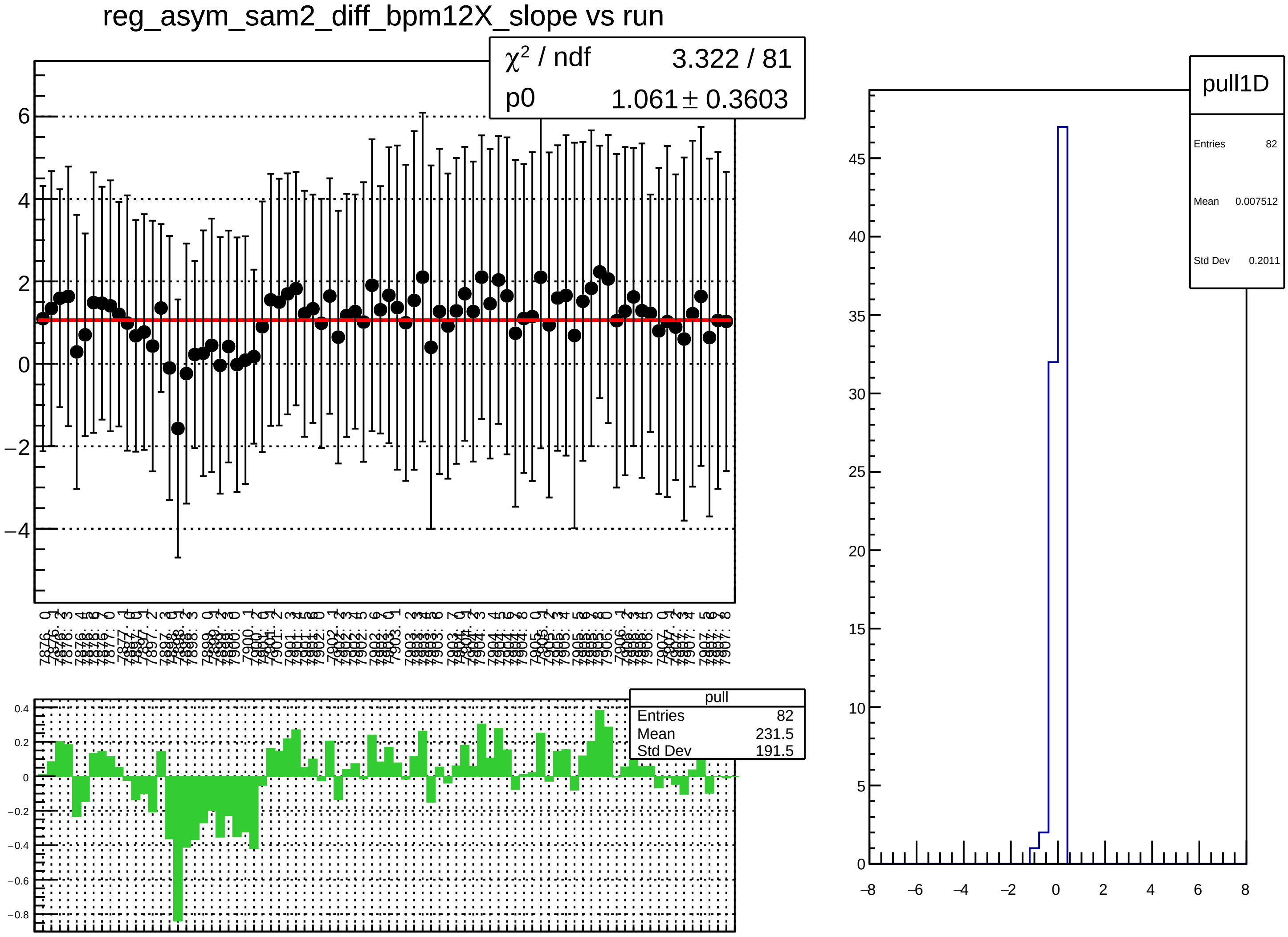
reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 72.86 / 81
p0 −111.5 ± 8.494
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 82
Mean 53.71
Std Dev 8.598
pull1D
Entries 82
Mean −0.3573
Std Dev 0.8723

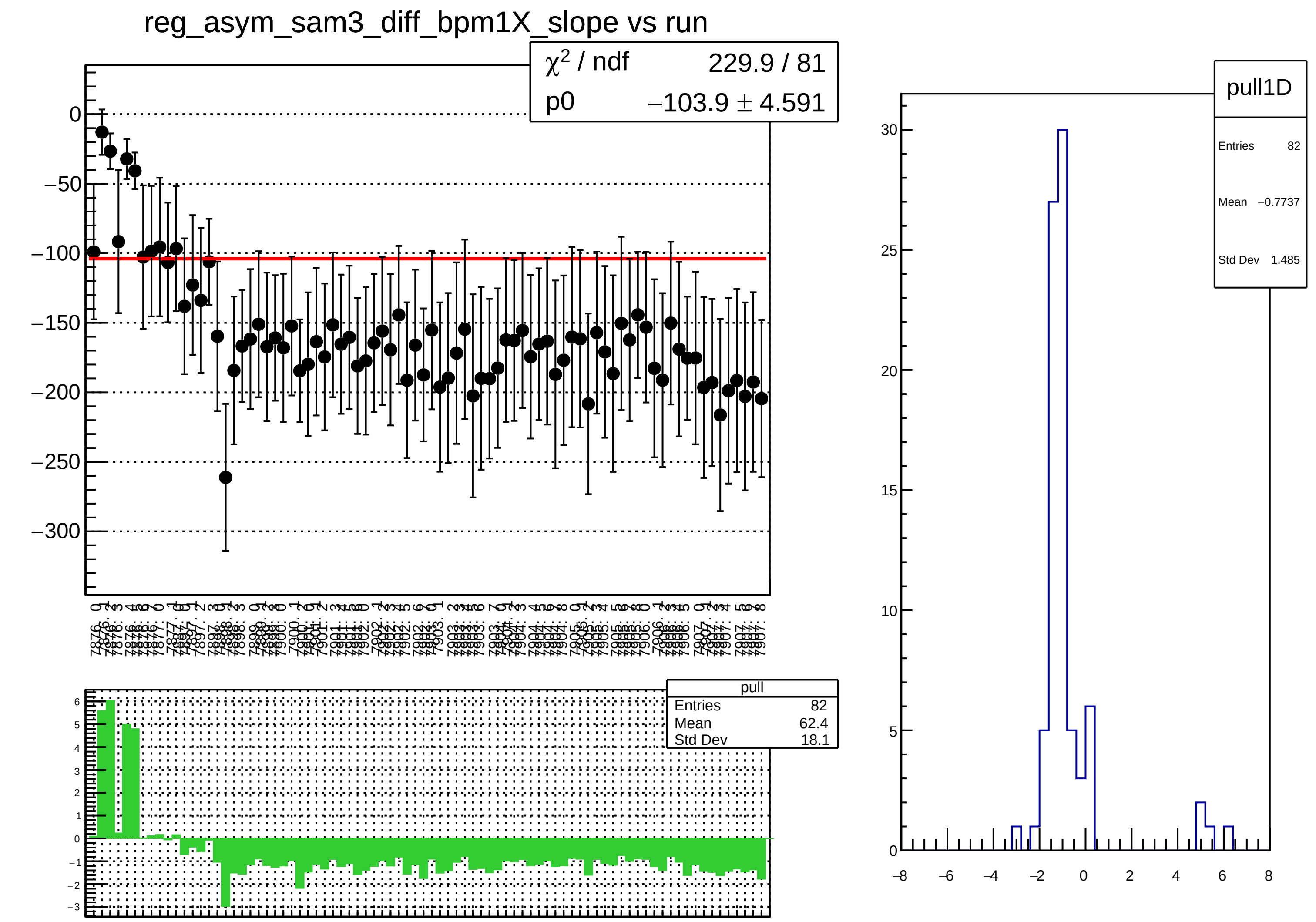


reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 94.56 / 81
p0 −147.4 ± 6.33
pull
Entries 82
Mean 56.77
Std Dev 5.688
pull1D
Entries 82
Mean 0.5562
Std Dev 0.9186

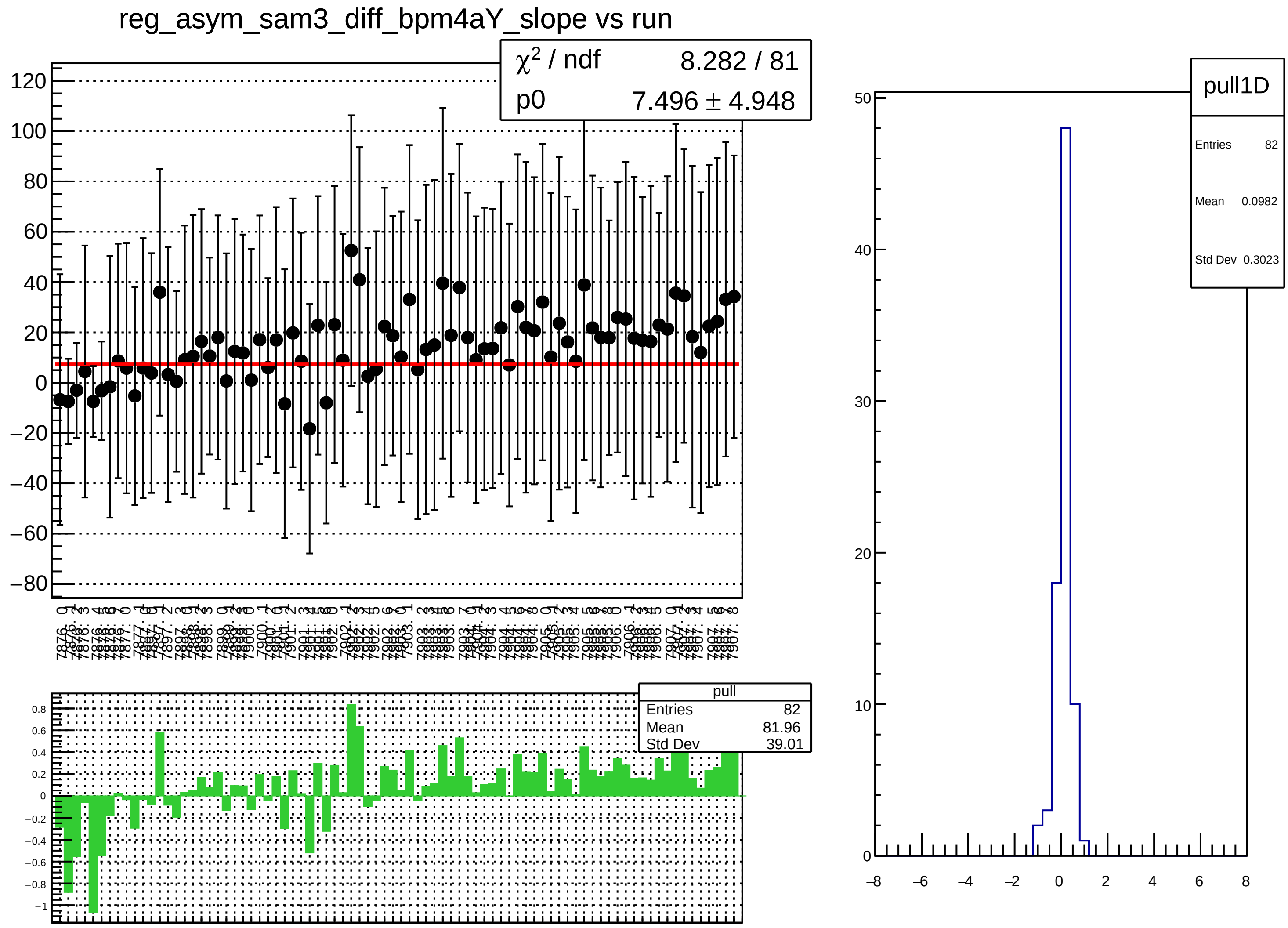


reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 49.33 / 81
p0 −36.13 ± 10.62
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean 63.42
Std Dev 25.25
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 82
Mean 0.2098
Std Dev 0.7468
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

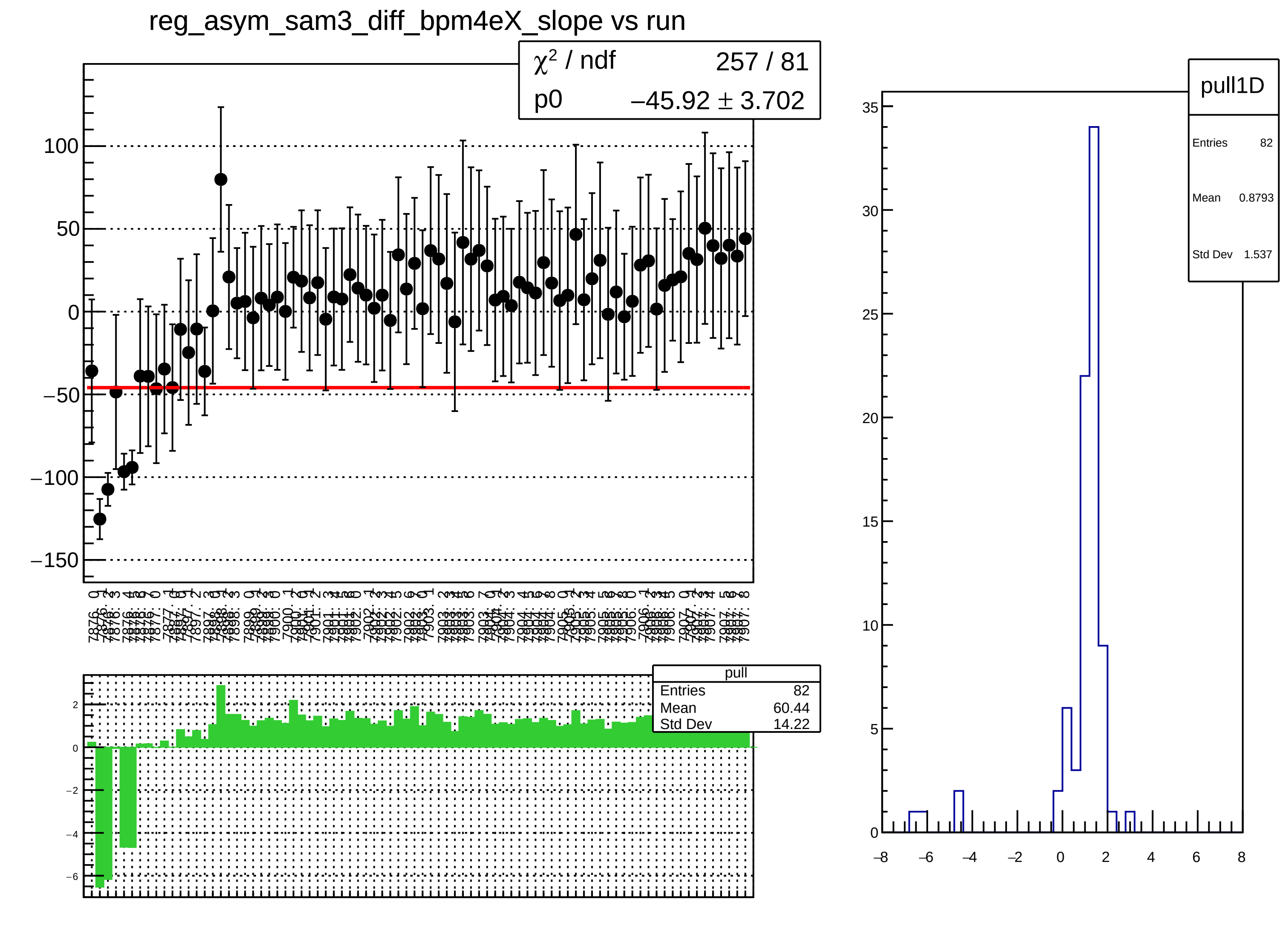

reg_asym_sam2_diff_bpm12X_slope vs run
χ2 / ndf 3.322 / 81
p0 1.061 ± 0.3603
pull
Entries 82
Mean 231.5
Std Dev 191.5
pull1D
Entries 82
Mean 0.007512
Std Dev 0.2011



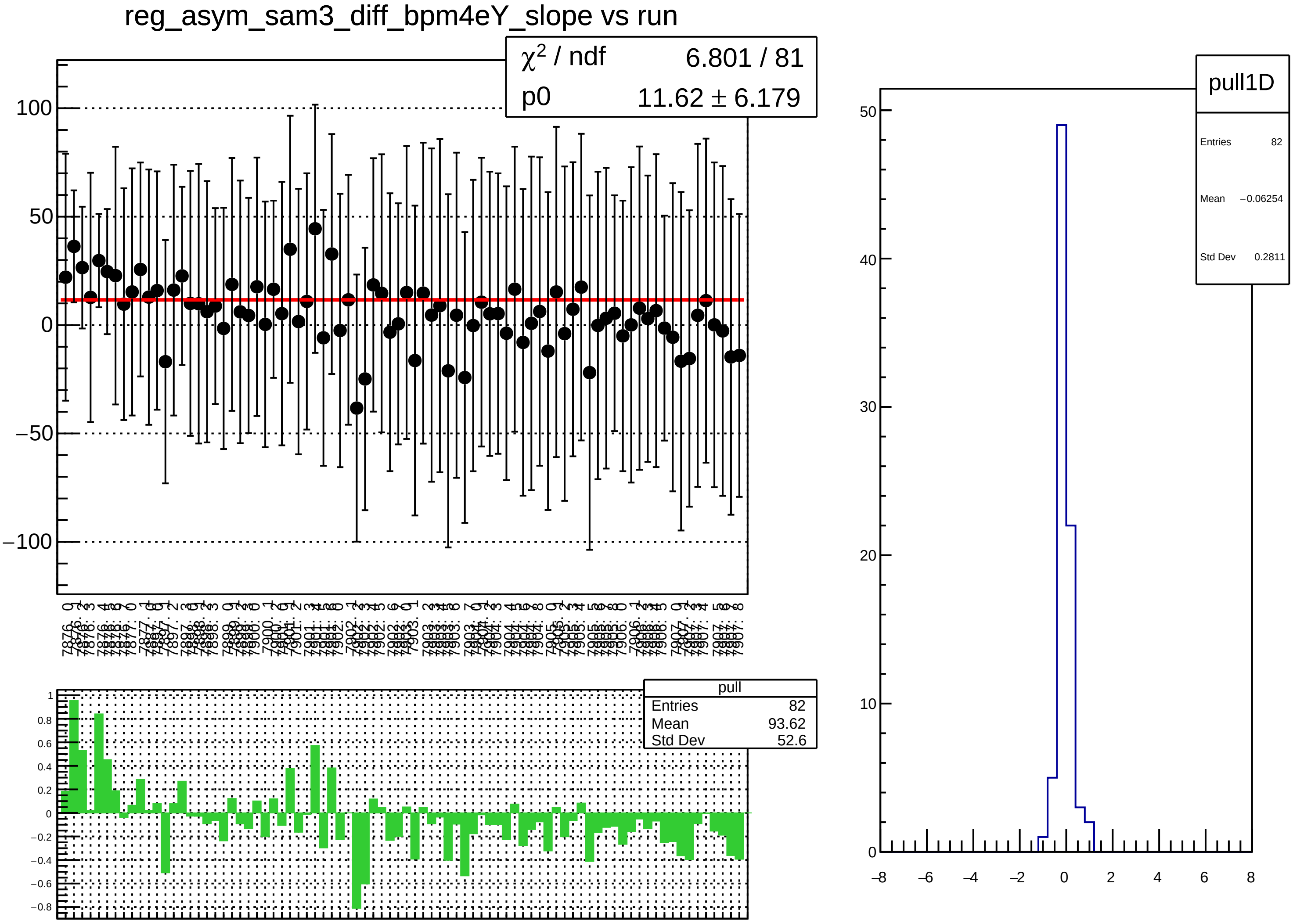
reg_asym_sam3_diff_bpm1X_slope vs run
χ2 / ndf 229.9 / 81
p0 −103.9 ± 4.591
pull
Entries 82
Mean 62.4
Std Dev 18.1
pull1D
Entries 82
Mean −0.7737
Std Dev 1.485



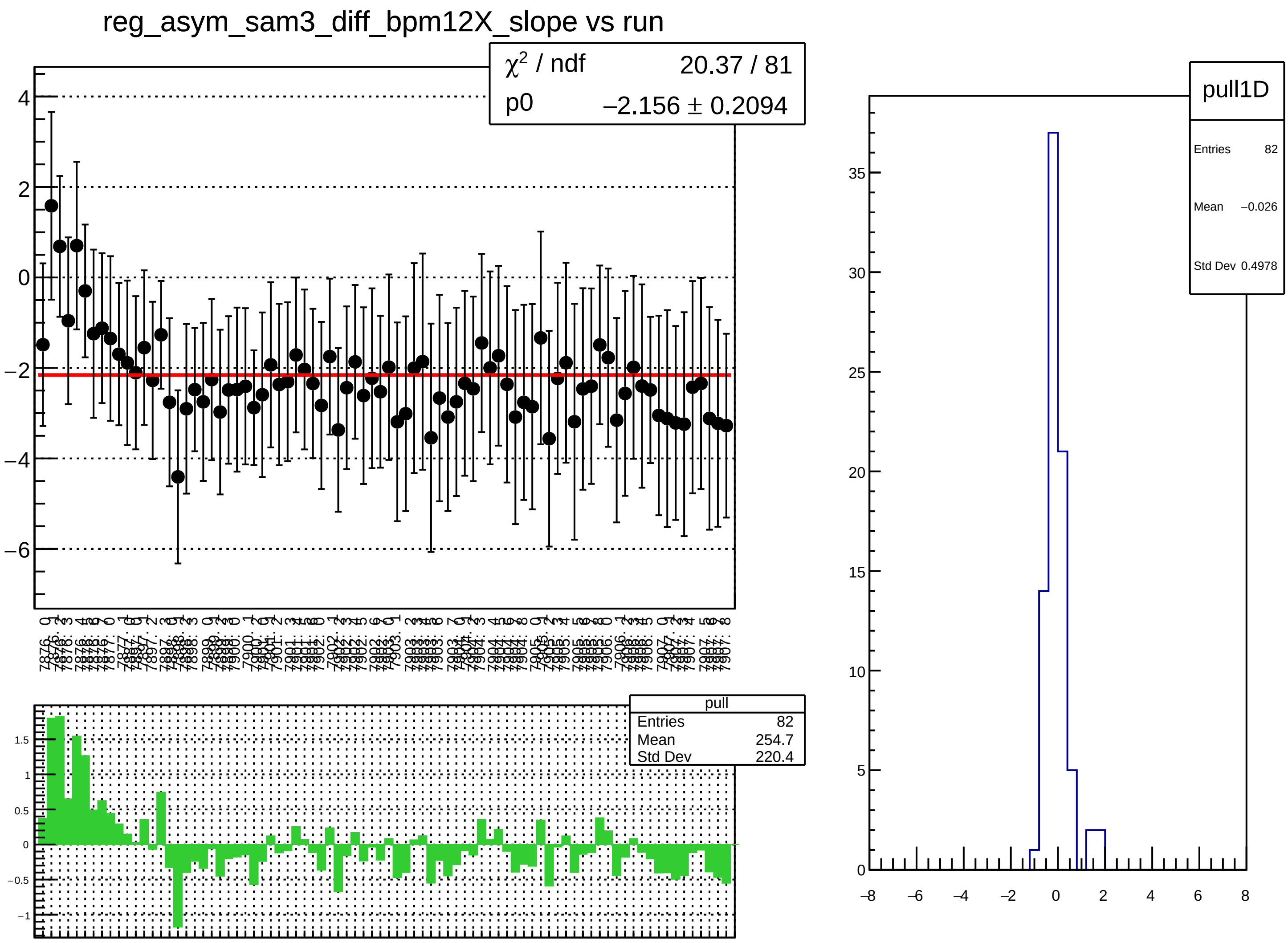
reg_asym_sam3_diff_bpm4aY_slope vs run
χ2 / ndf 8.282 / 81
p0 7.496 ± 4.948
pull
Entries 82
Mean 81.96
Std Dev 39.01
pull1D
Entries 82
Mean 0.0982
Std Dev 0.3023



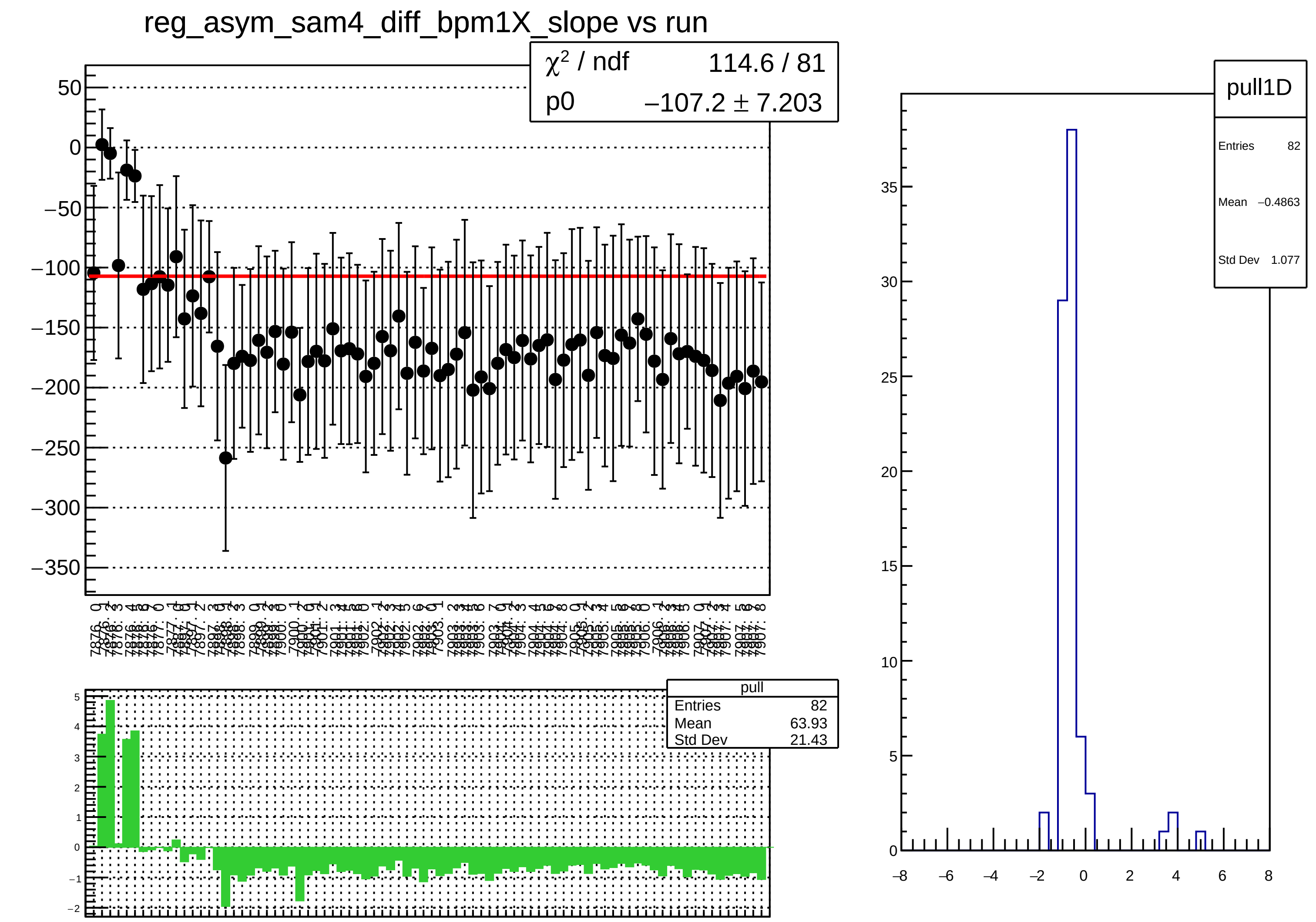
reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 257 / 81
p0 −45.92 ± 3.702
pull
Entries 82
Mean 60.44
Std Dev 14.22
pull1D
Entries 82
Mean 0.8793
Std Dev 1.537



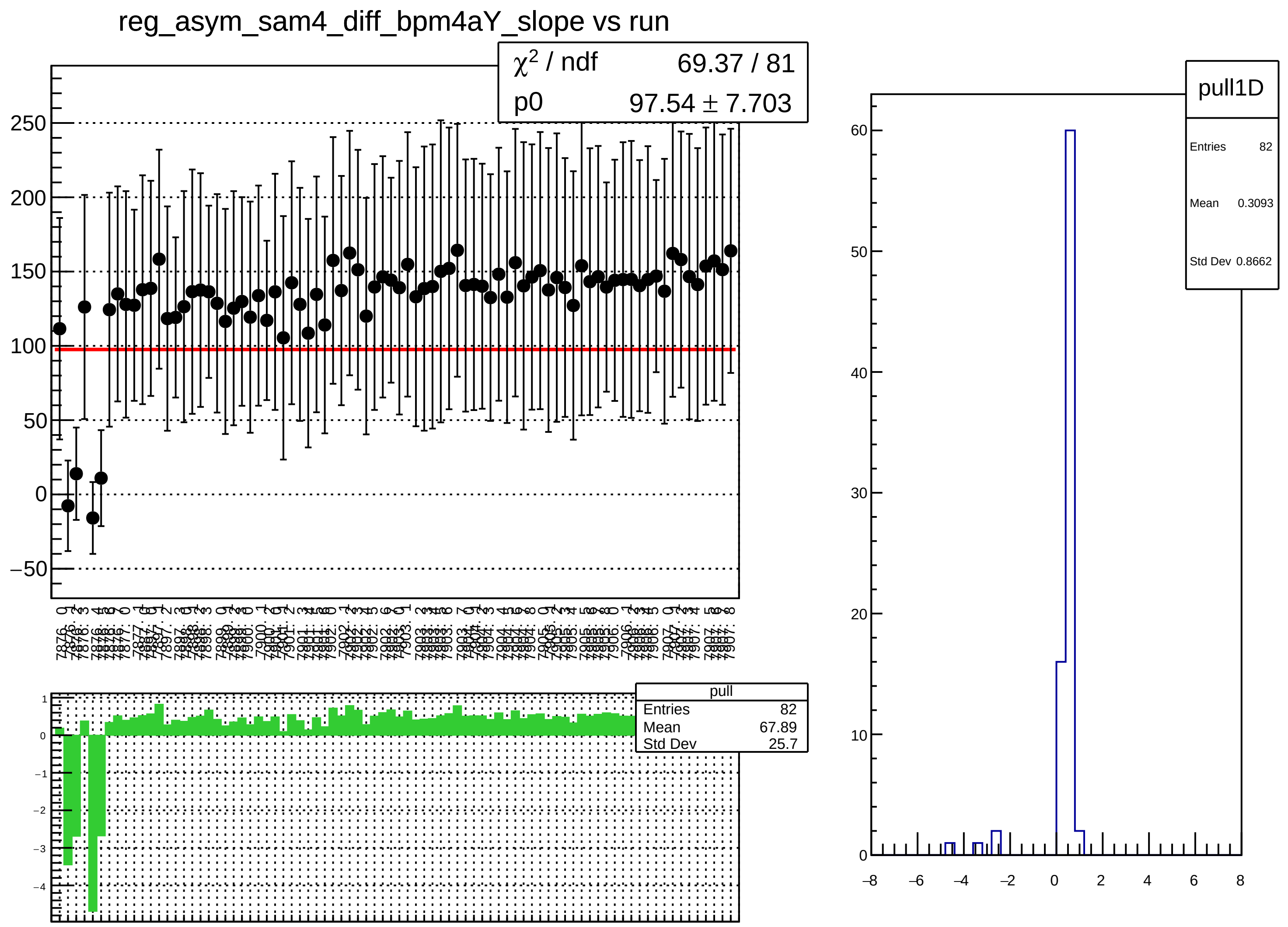
reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 6.801 / 81
p0 11.62 ± 6.179
pull
Entries 82
Mean 93.62
Std Dev 52.6
pull1D
Entries 82
Mean −0.06254
Std Dev 0.2811



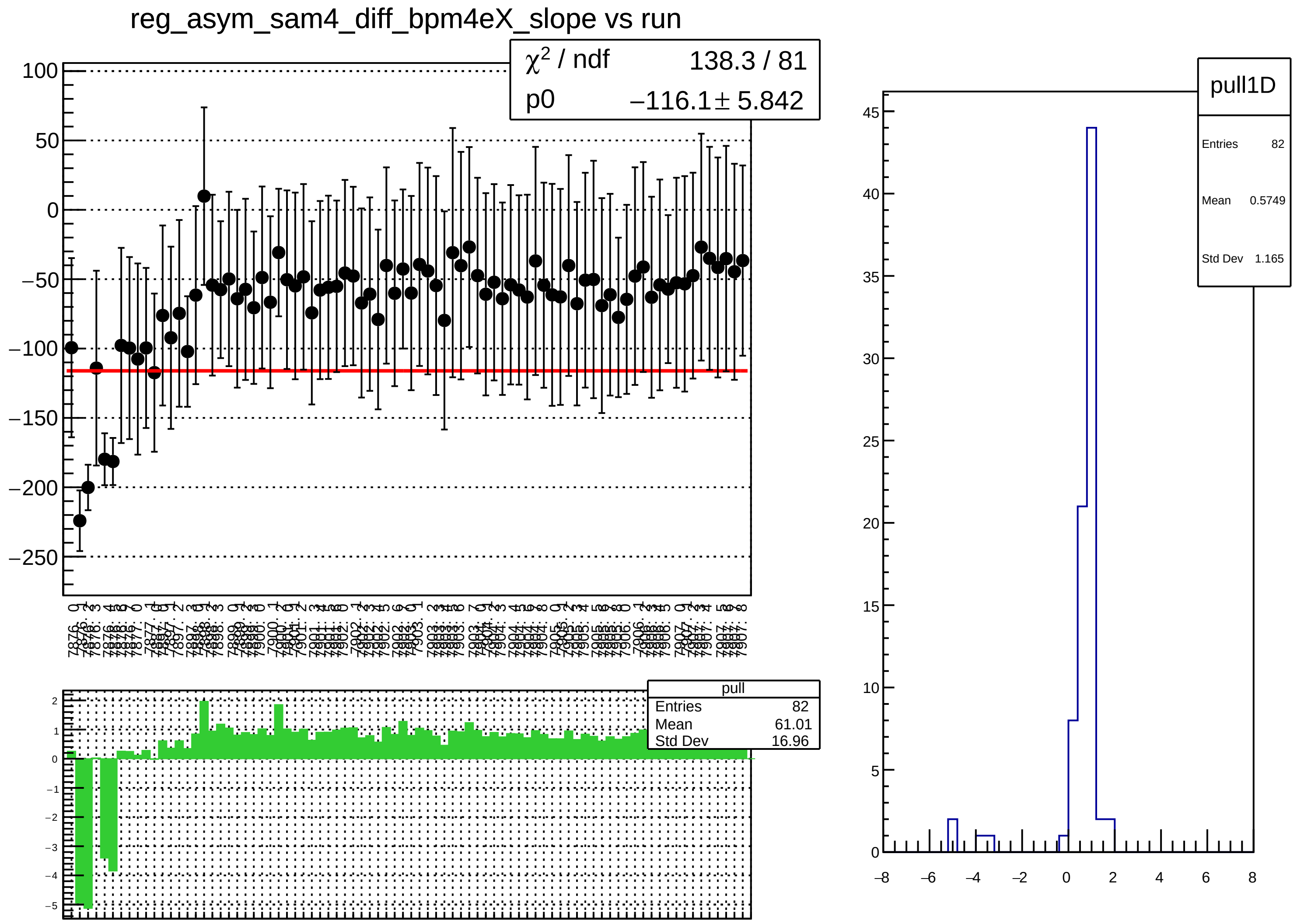
reg_asym_sam3_diff_bpm12X_slope vs run
χ2 / ndf 20.37 / 81
p0 −2.156 ± 0.2094
pull
Entries 82
Mean 254.7
Std Dev 220.4
pull1D
Entries 82
Mean −0.026
Std Dev 0.4978



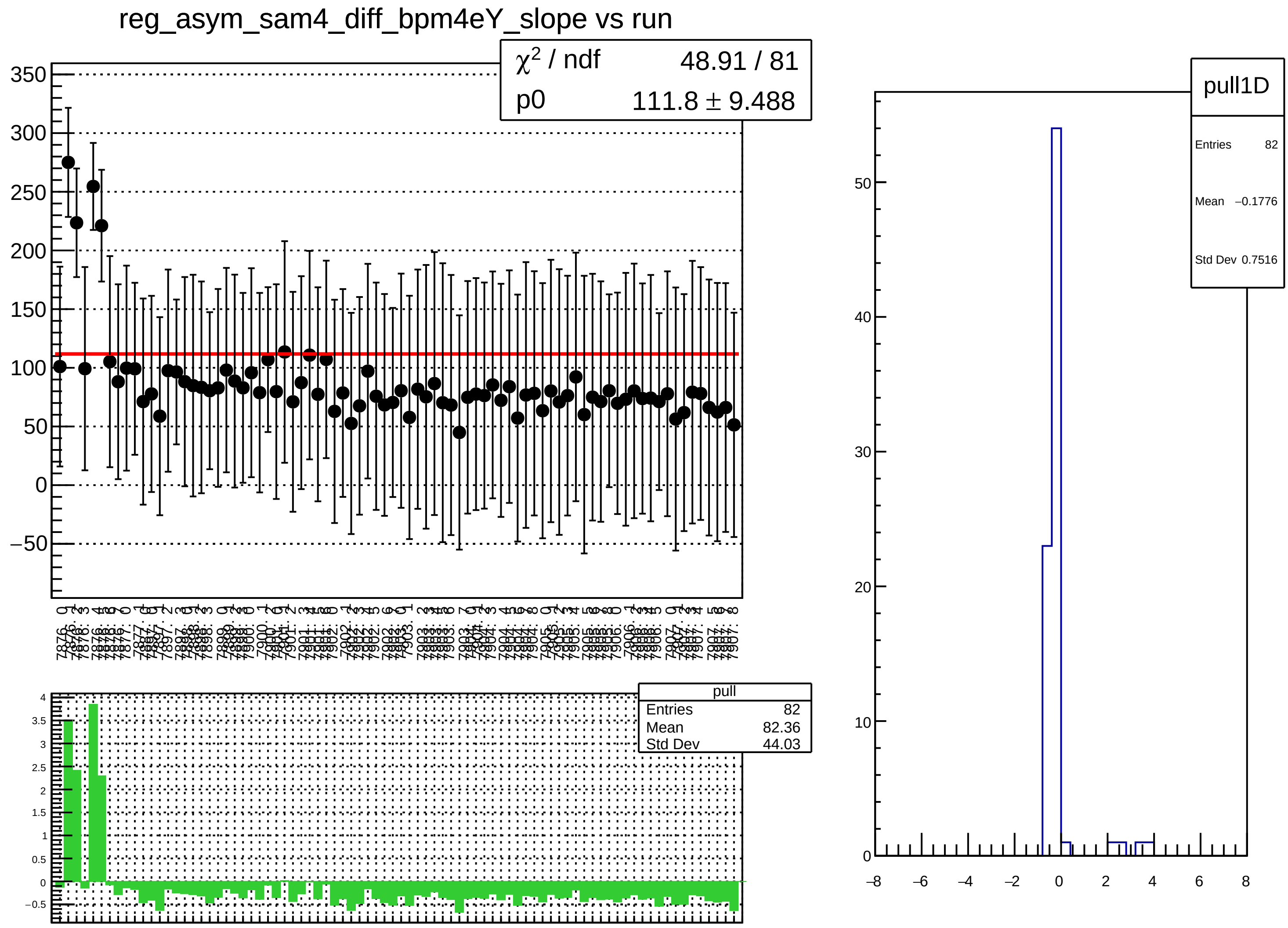
reg_asym_sam4_diff_bpm1X_slope vs run
χ2 / ndf 114.6 / 81
p0 −107.2 ± 7.203
pull
Entries 82
Mean 63.93
Std Dev 21.43
pull1D
Entries 82
Mean −0.4863
Std Dev 1.077



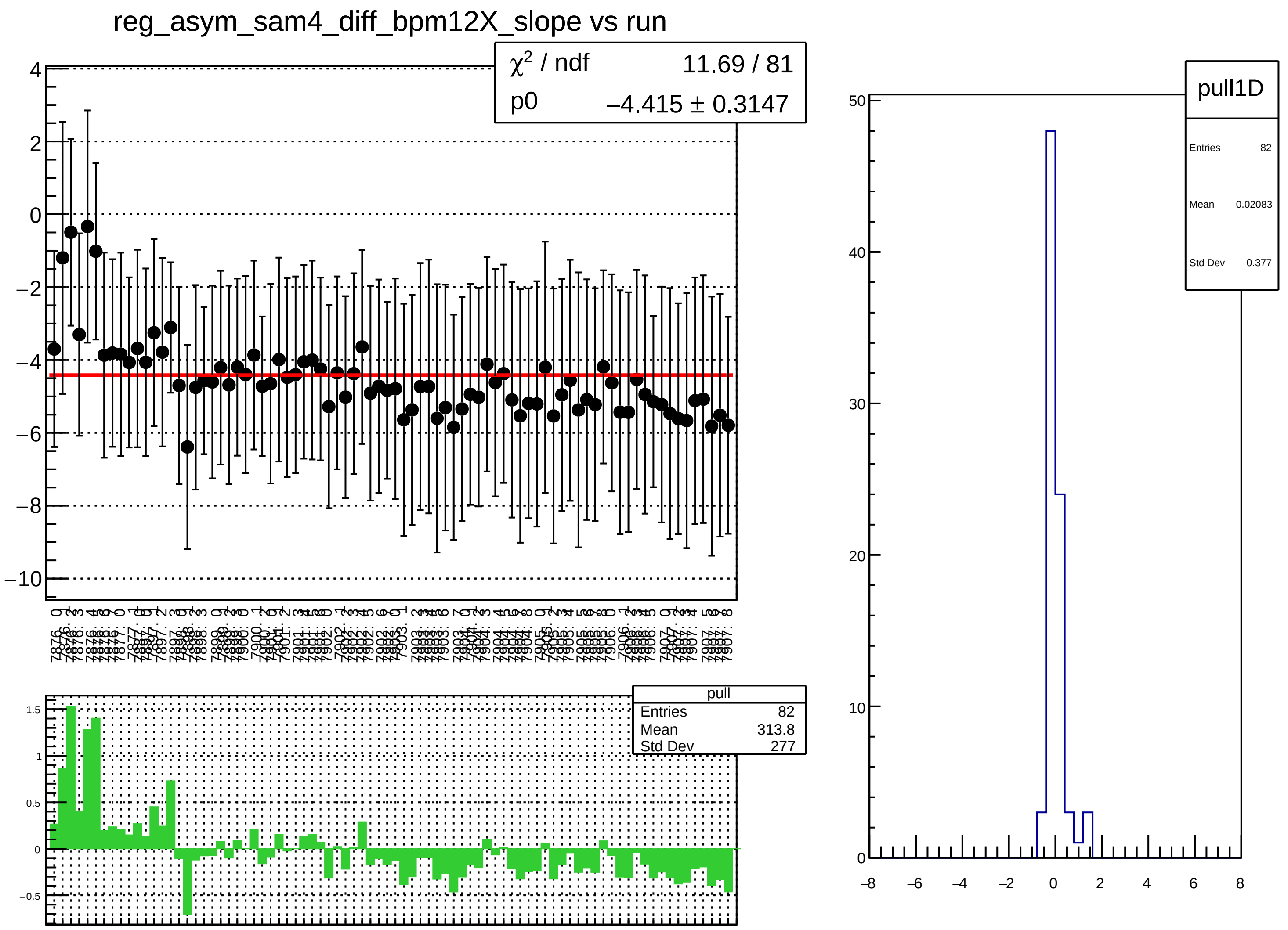
reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 69.37 / 81
p0 97.54 ± 7.703
pull
Entries 82
Mean 67.89
Std Dev 25.7
pull1D
Entries 82
Mean 0.3093
Std Dev 0.8662



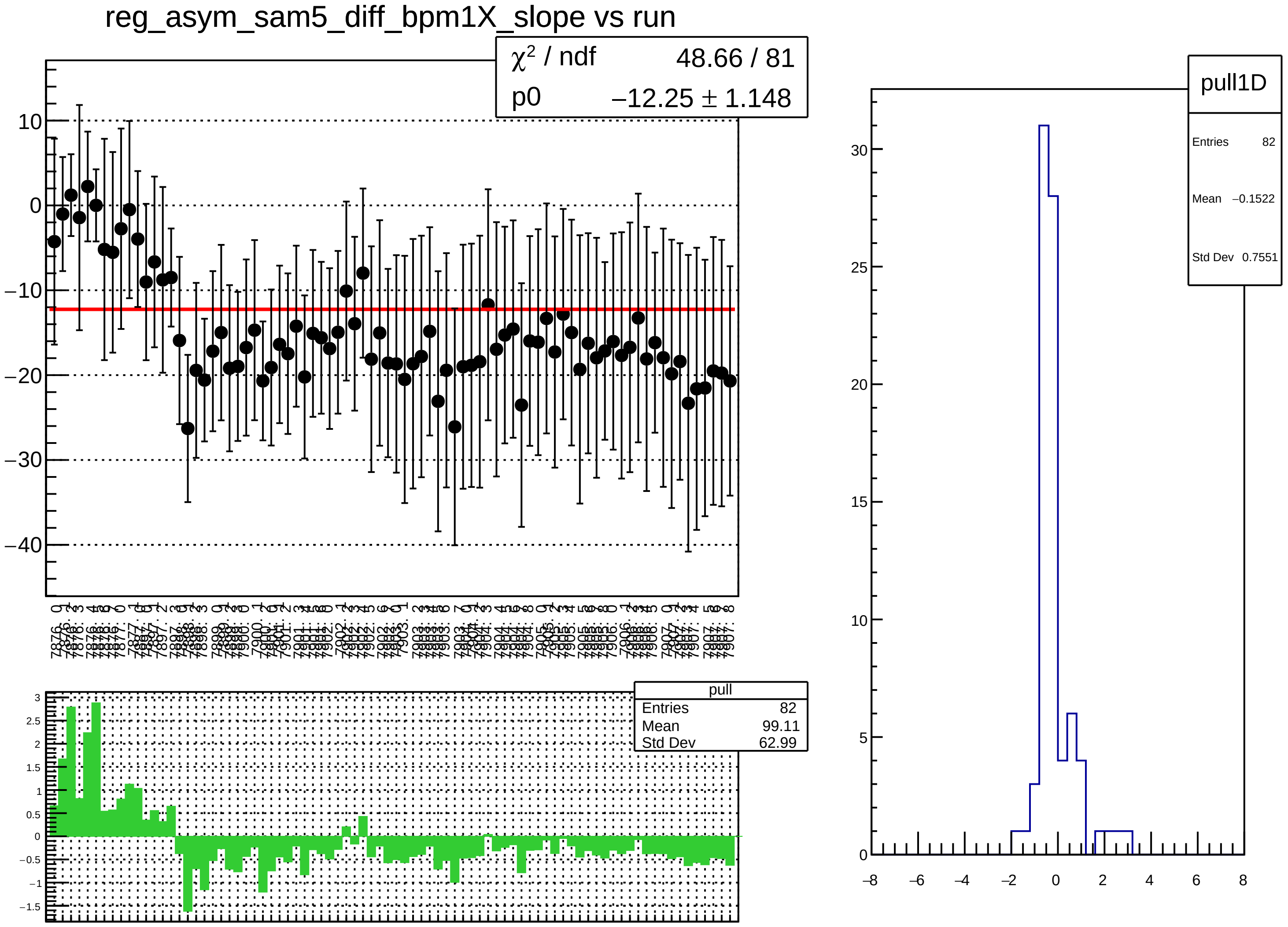
reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 138.3 / 81
p0 −116.1 ± 5.842
pull
Entries 82
Mean 61.01
Std Dev 16.96
pull1D
Entries 82
Mean 0.5749
Std Dev 1.165



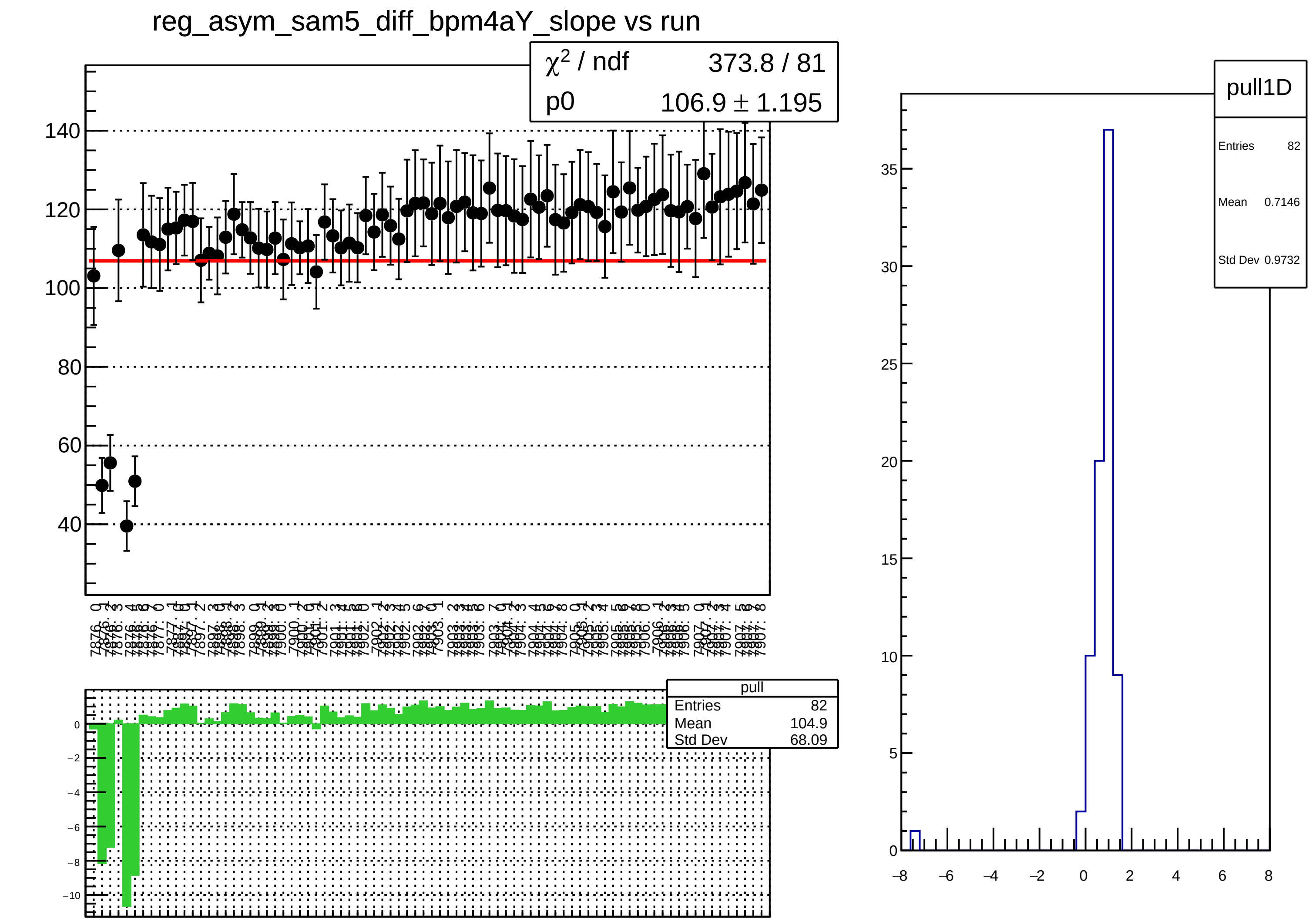
reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 48.91 / 81
p0 111.8 ± 9.488
pull
Entries 82
Mean 82.36
Std Dev 44.03
pull1D
Entries 82
Mean −0.1776
Std Dev 0.7516

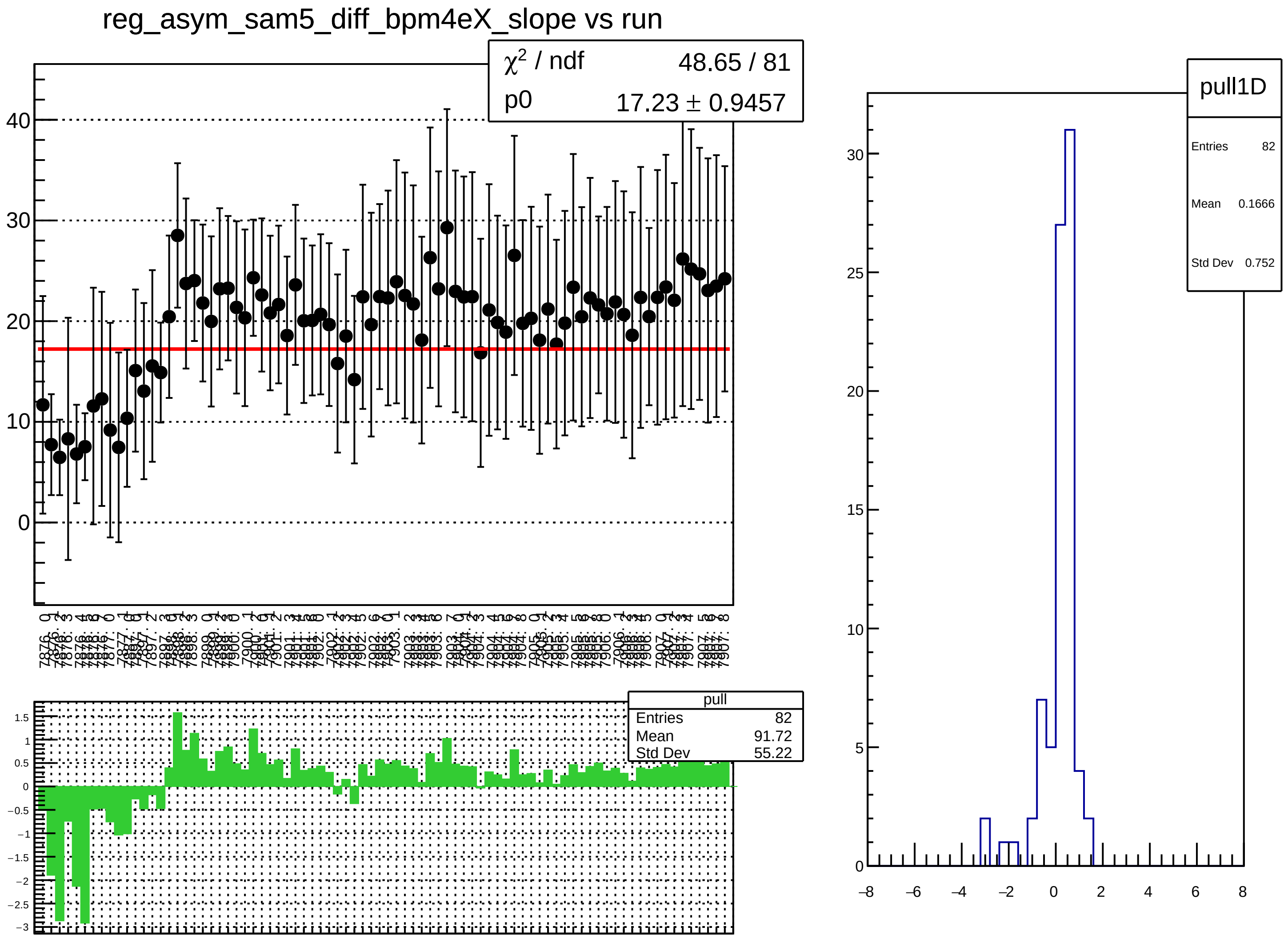


reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 11.69 / 81
p0 −4.415 ± 0.3147
pull
Entries 82
Mean 313.8
Std Dev 277
pull1D
Entries 82
Mean −0.02083
Std Dev 0.377

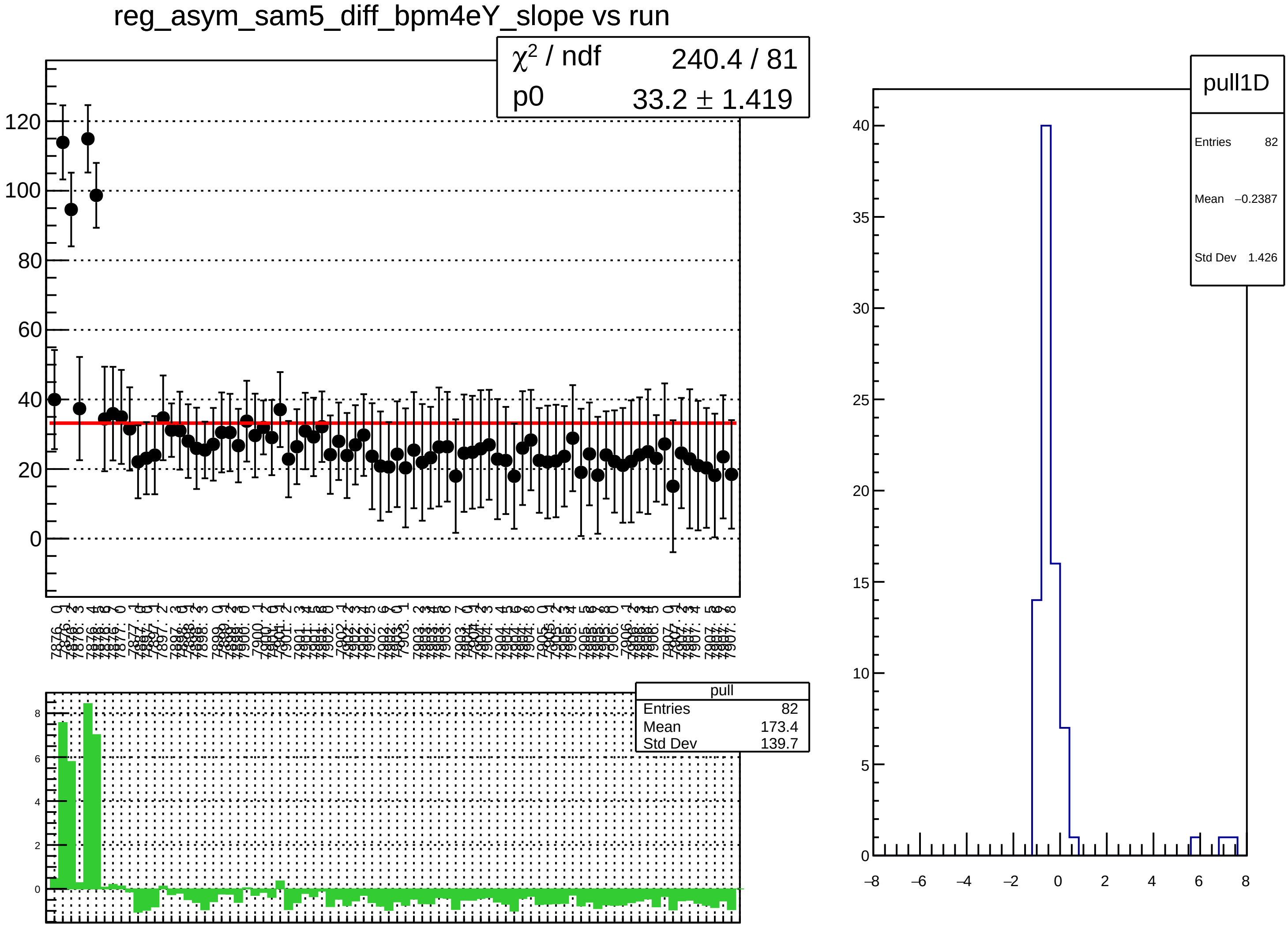


reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 48.66 / 81
p0 −12.25 ± 1.148
pull
Entries 82
Mean 99.11
Std Dev 62.99
pull1D
Entries 82
Mean −0.1522
Std Dev 0.7551

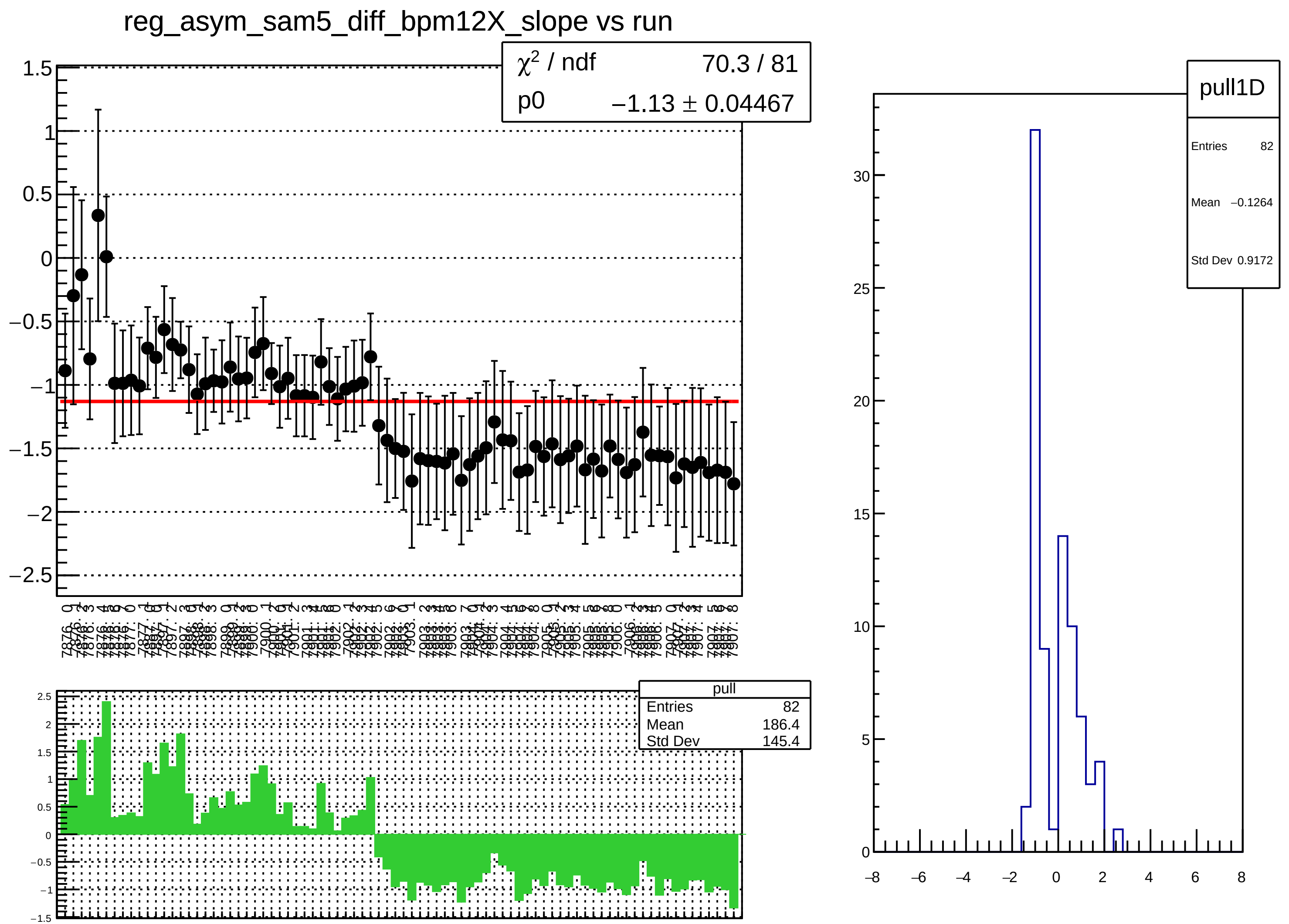

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 373.8 / 81
p0 106.9 ± 1.195
pull
Entries 82
Mean 104.9
Std Dev 68.09
pull1D
Entries 82
Mean 0.7146
Std Dev 0.9732



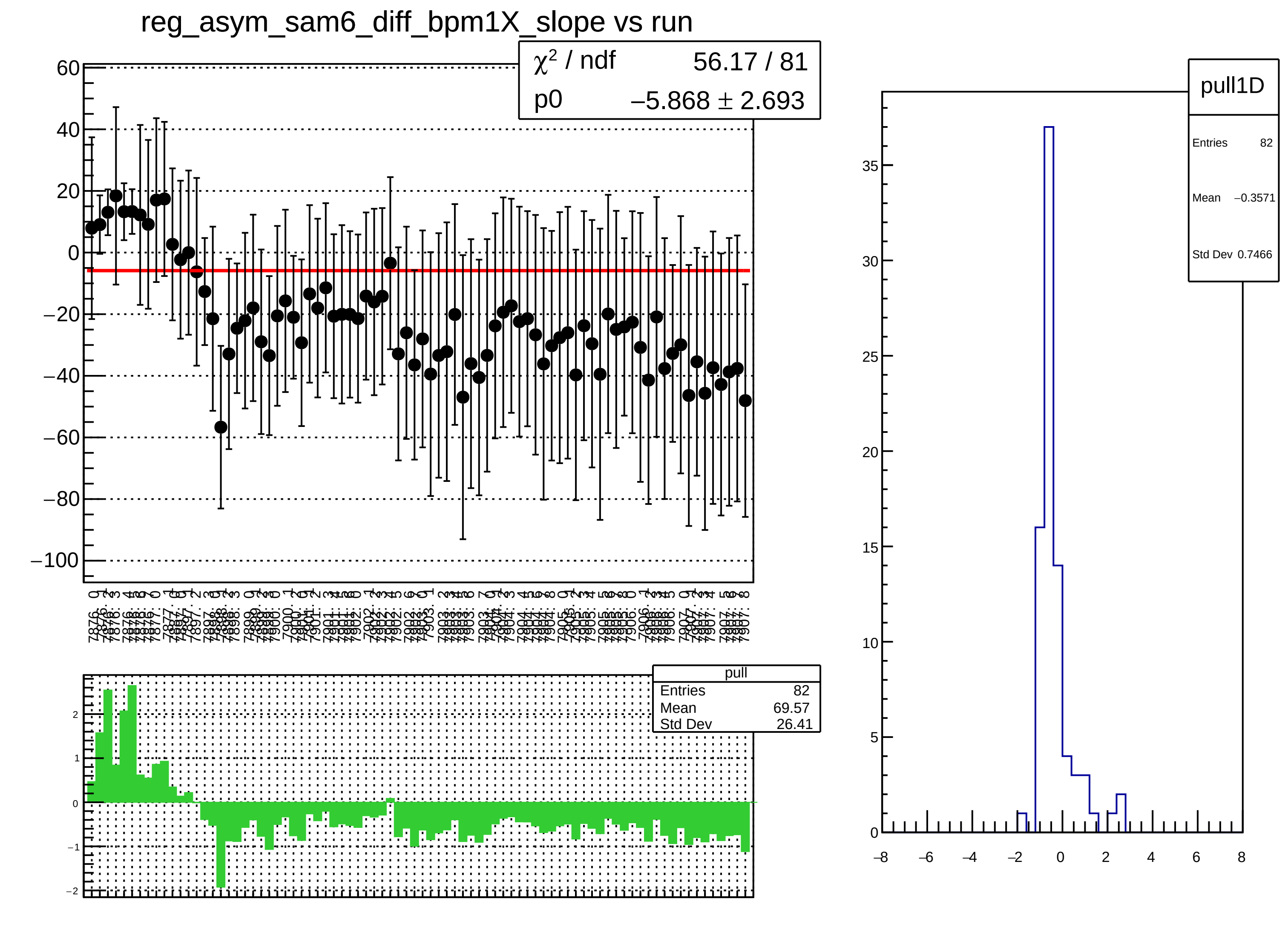
reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 48.65 / 81
p0 17.23 ± 0.9457
pull
Entries 82
Mean 91.72
Std Dev 55.22
pull1D
Entries 82
Mean 0.1666
Std Dev 0.752



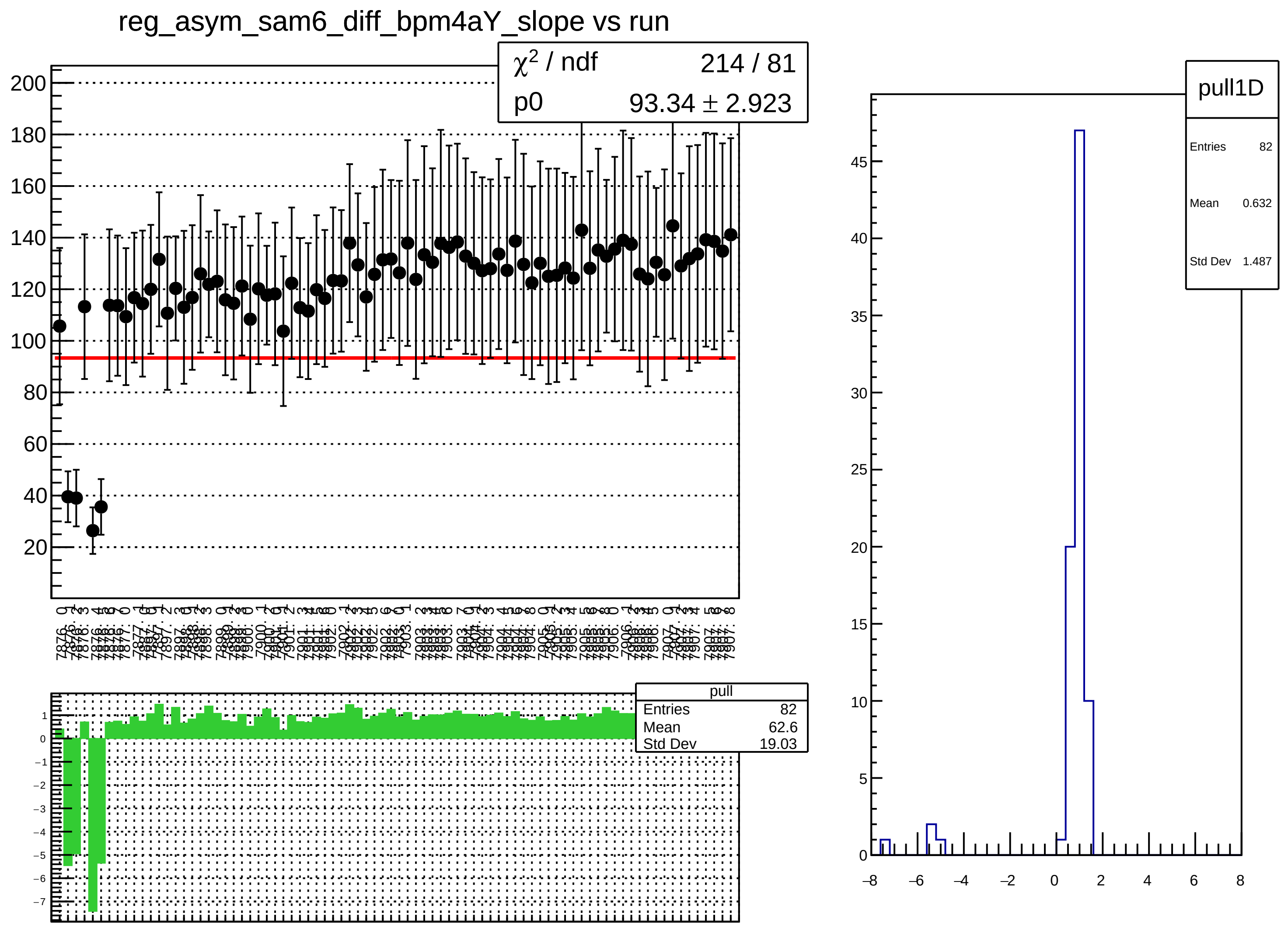
reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 240.4 / 81
p0 33.2 ± 1.419
120
100
80
60
40
20
0
pull
Entries 82
Mean 173.4
Std Dev 139.7
8
6
4
2
0
pull1D
Entries 82
Mean −0.2387
Std Dev 1.426
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



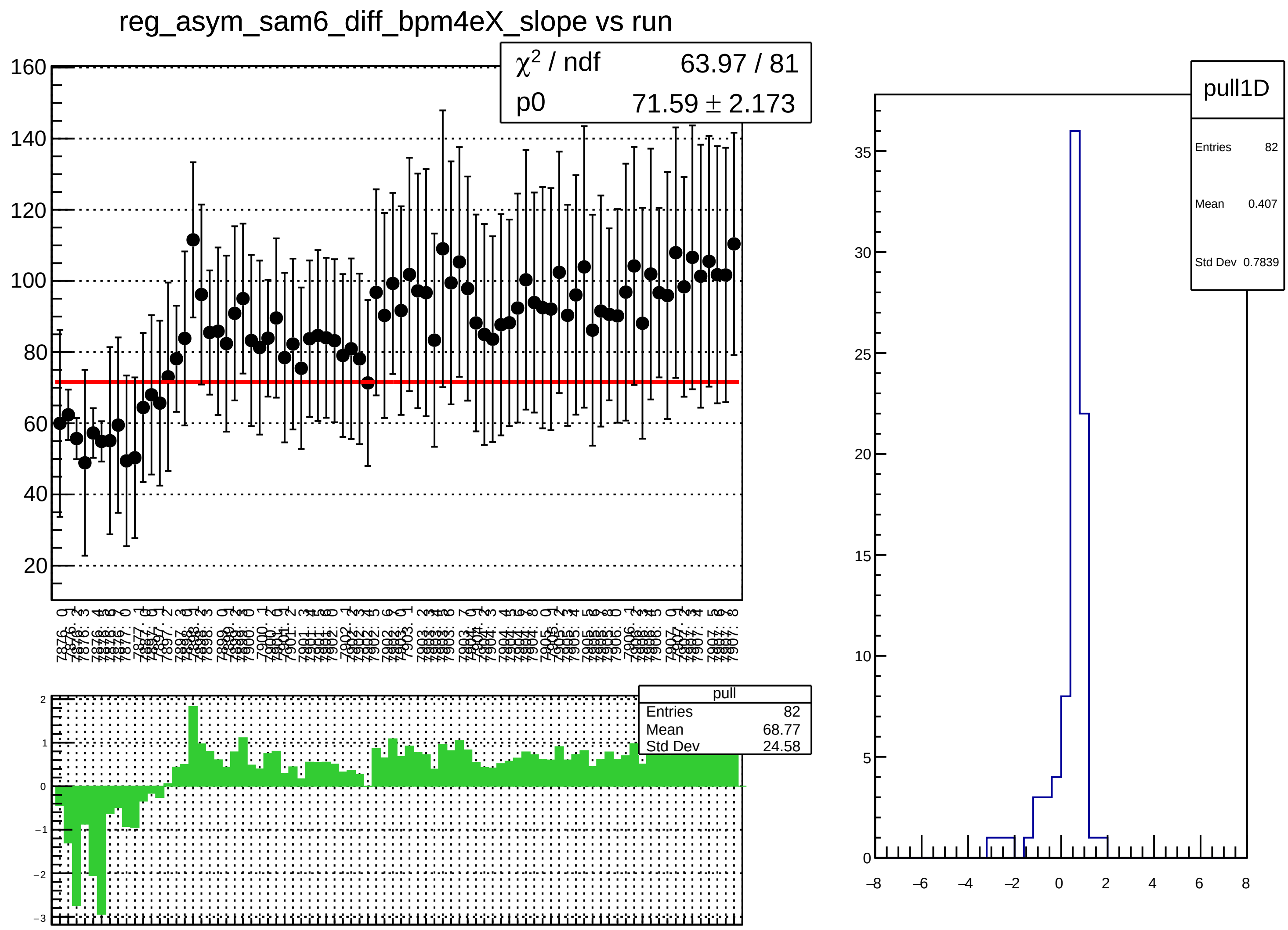
reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 70.3 / 81
p0 −1.13 ± 0.04467
pull
Entries 82
Mean 186.4
Std Dev 145.4
pull1D
Entries 82
Mean −0.1264
Std Dev 0.9172



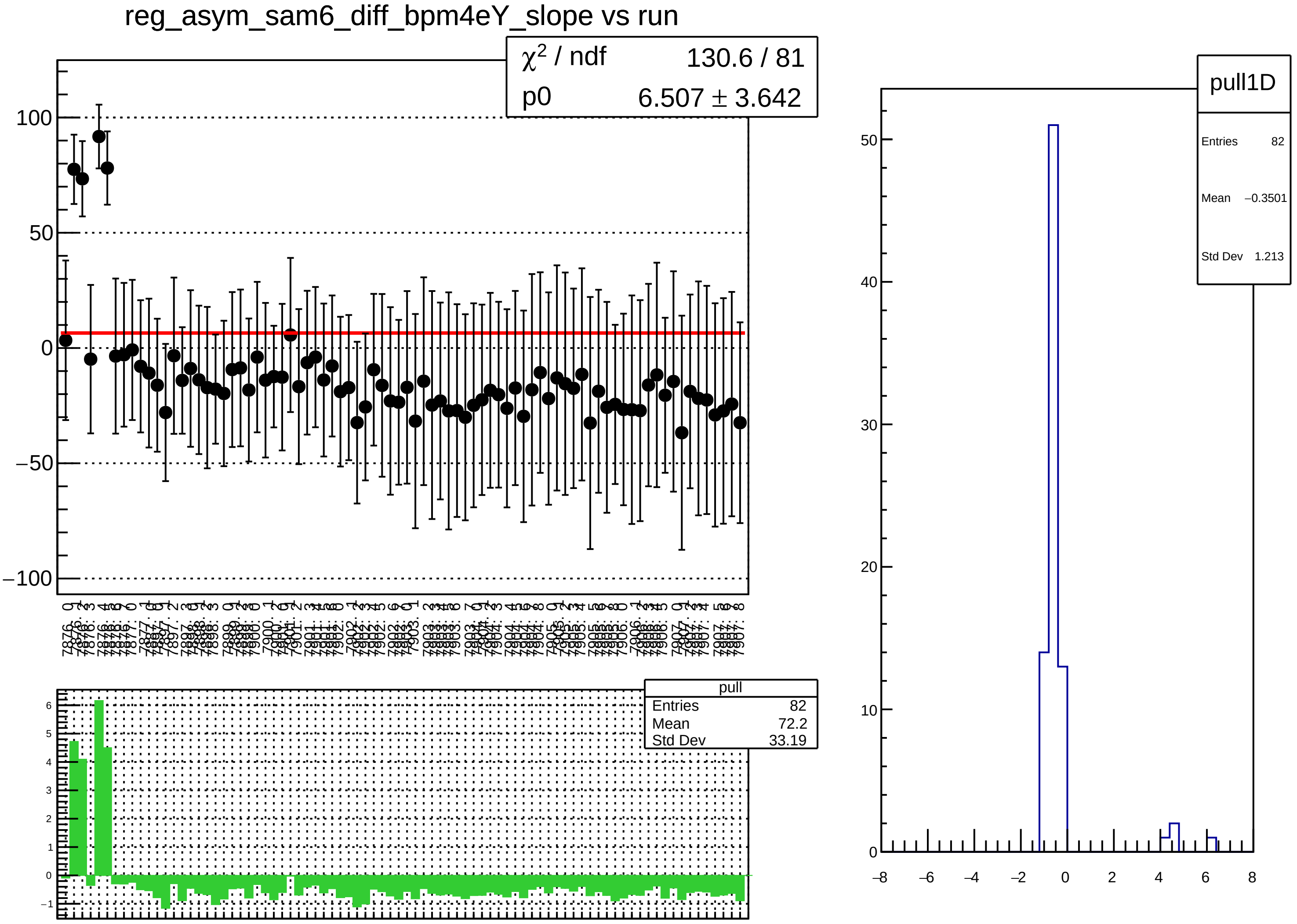
reg_asym_sam6_diff_bpm1X_slope vs run
χ2 / ndf 56.17 / 81
p0 −5.868 ± 2.693
pull
Entries 82
Mean 69.57
Std Dev 26.41
pull1D
Entries 82
Mean −0.3571
Std Dev 0.7466

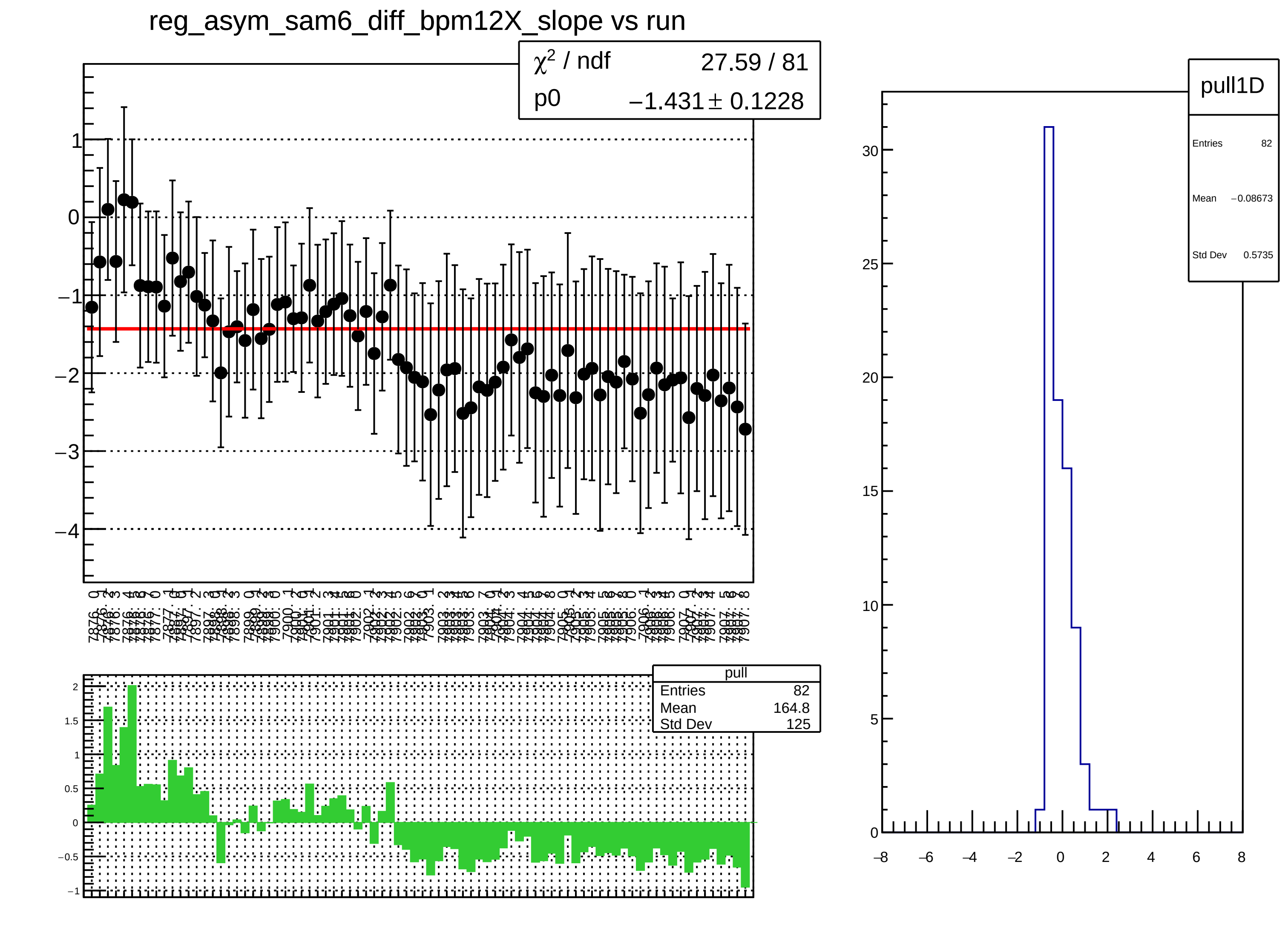


reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 214 / 81
p0 93.34 ± 2.923
pull
Entries 82
Mean 62.6
Std Dev 19.03
pull1D
Entries 82
Mean 0.632
Std Dev 1.487

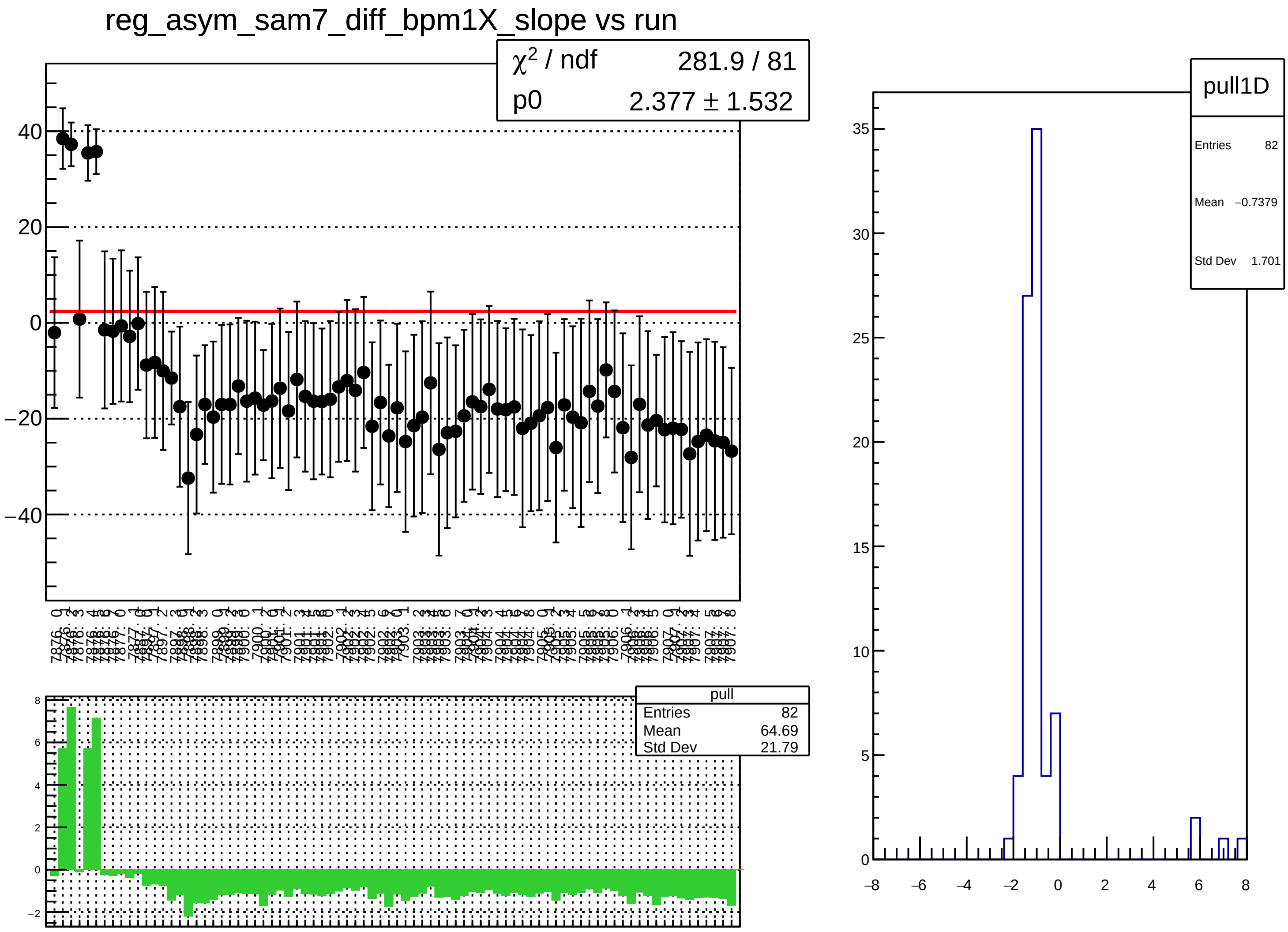


reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 63.97 / 81
p0 71.59 ± 2.173
pull
Entries 82
Mean 68.77
Std Dev 24.58
pull1D
Entries 82
Mean 0.407
Std Dev 0.7839

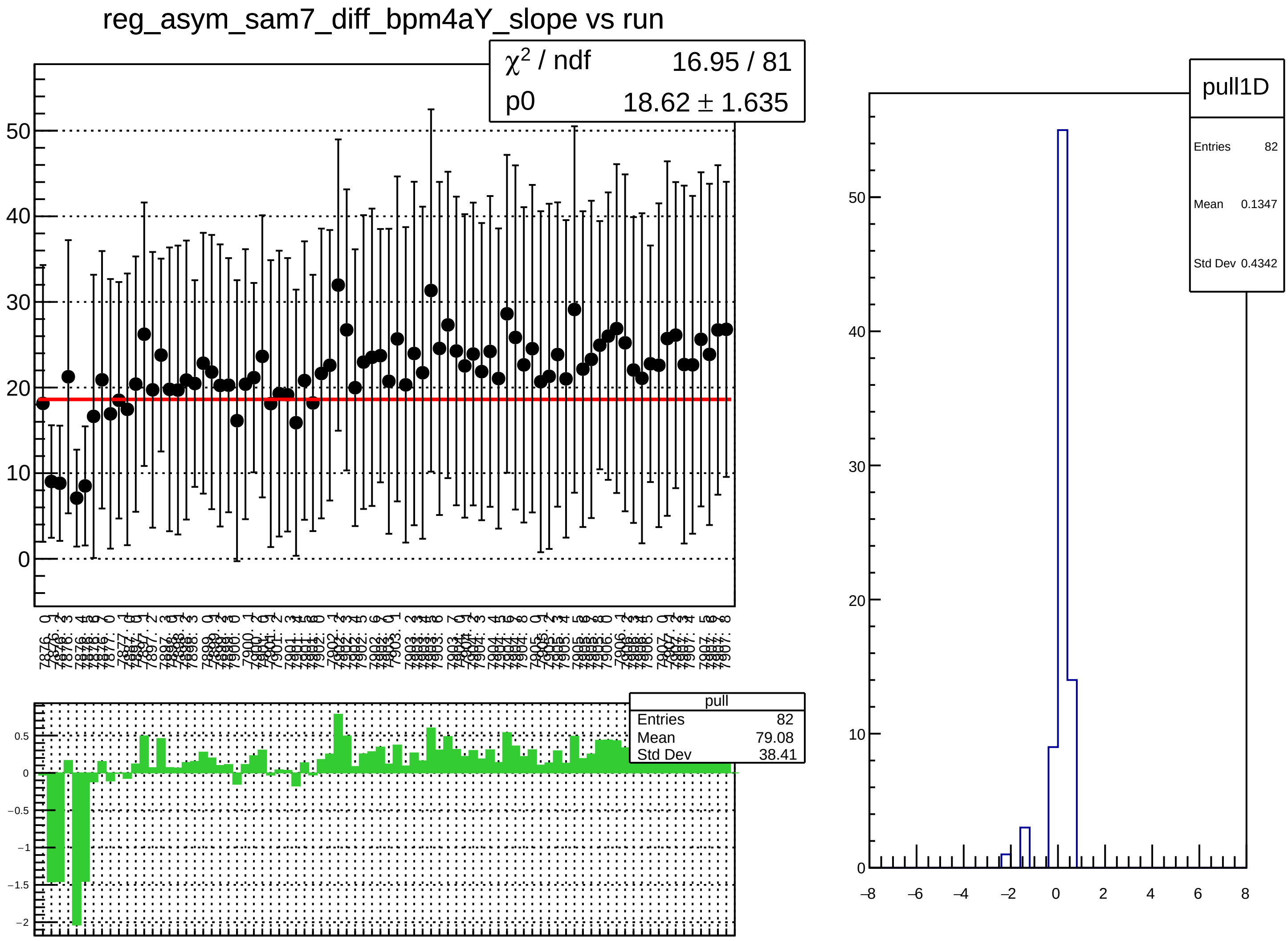

reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 130.6 / 81
p0 6.507 ± 3.642
pull
Entries 82
Mean 72.2
Std Dev 33.19
pull1D
Entries 82
Mean −0.3501
Std Dev 1.213



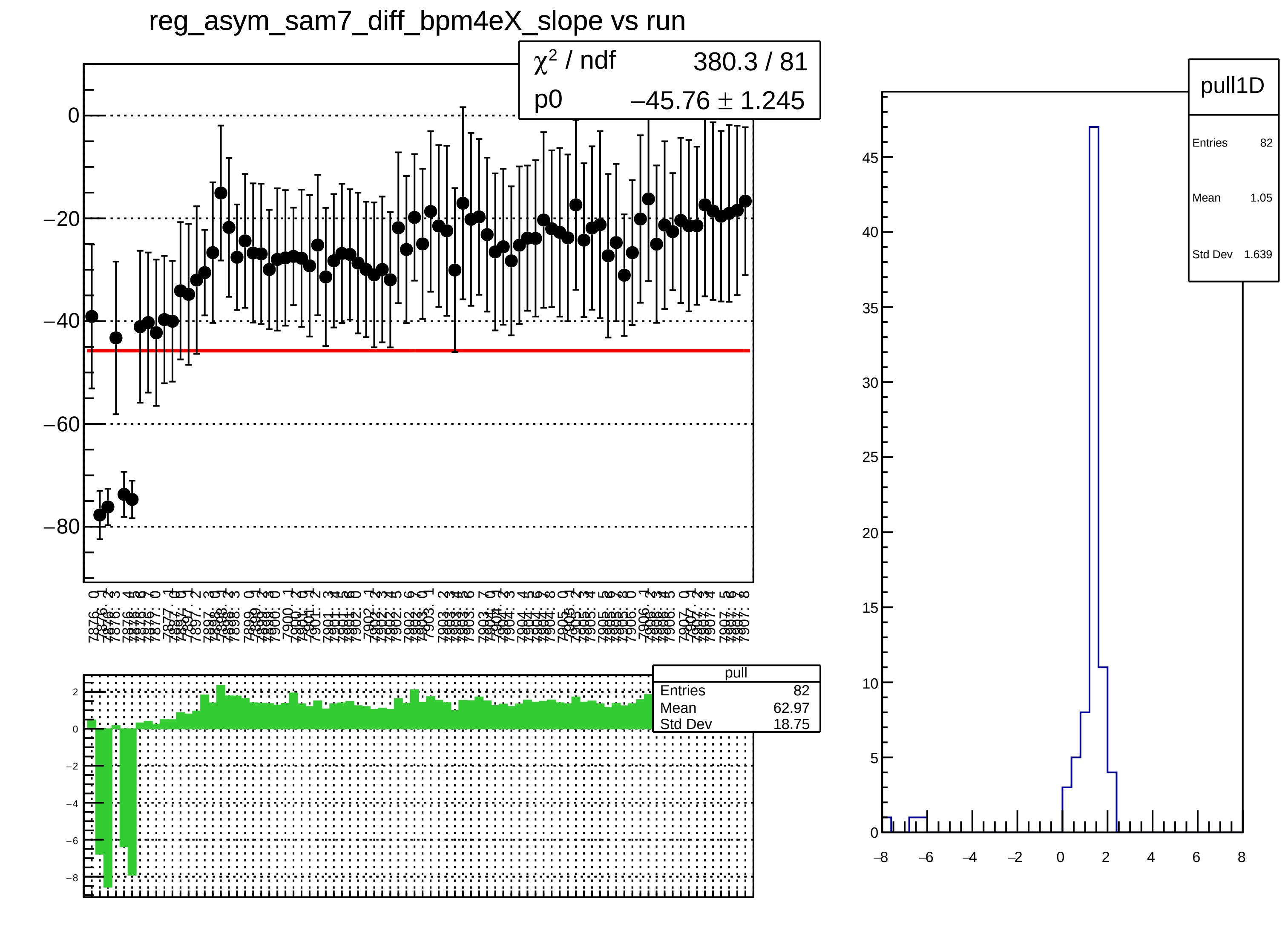
reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 27.59 / 81
p0 −1.431 ± 0.1228
pull
Entries 82
Mean 164.8
Std Dev 125
pull1D
Entries 82
Mean −0.08673
Std Dev 0.5735



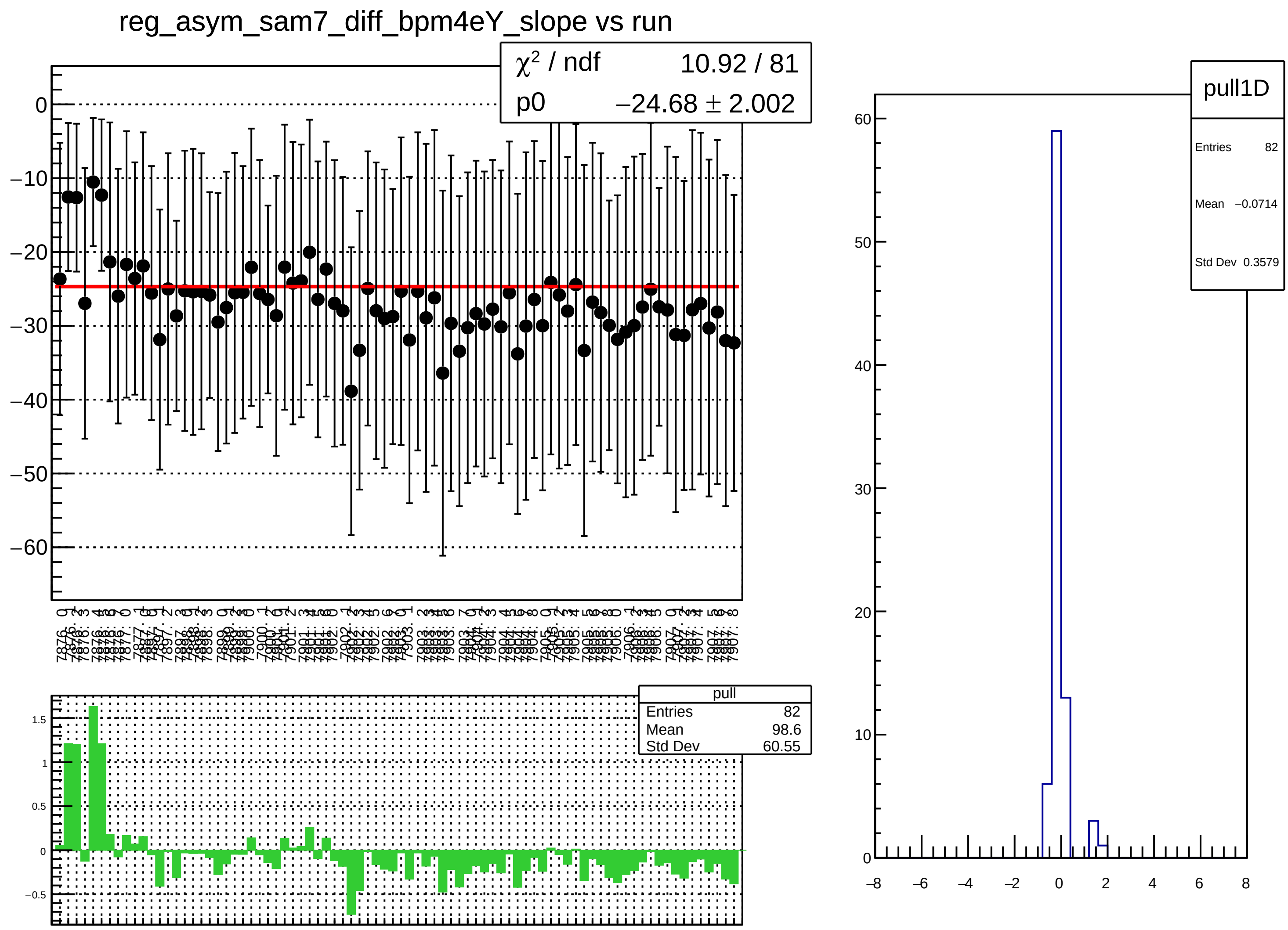
reg_asym_sam7_diff_bpm1X_slope vs run
χ2 / ndf 281.9 / 81
p0 2.377 ± 1.532
pull
Entries 82
Mean 64.69
Std Dev 21.79
pull1D
Entries 82
Mean −0.7379
Std Dev 1.701



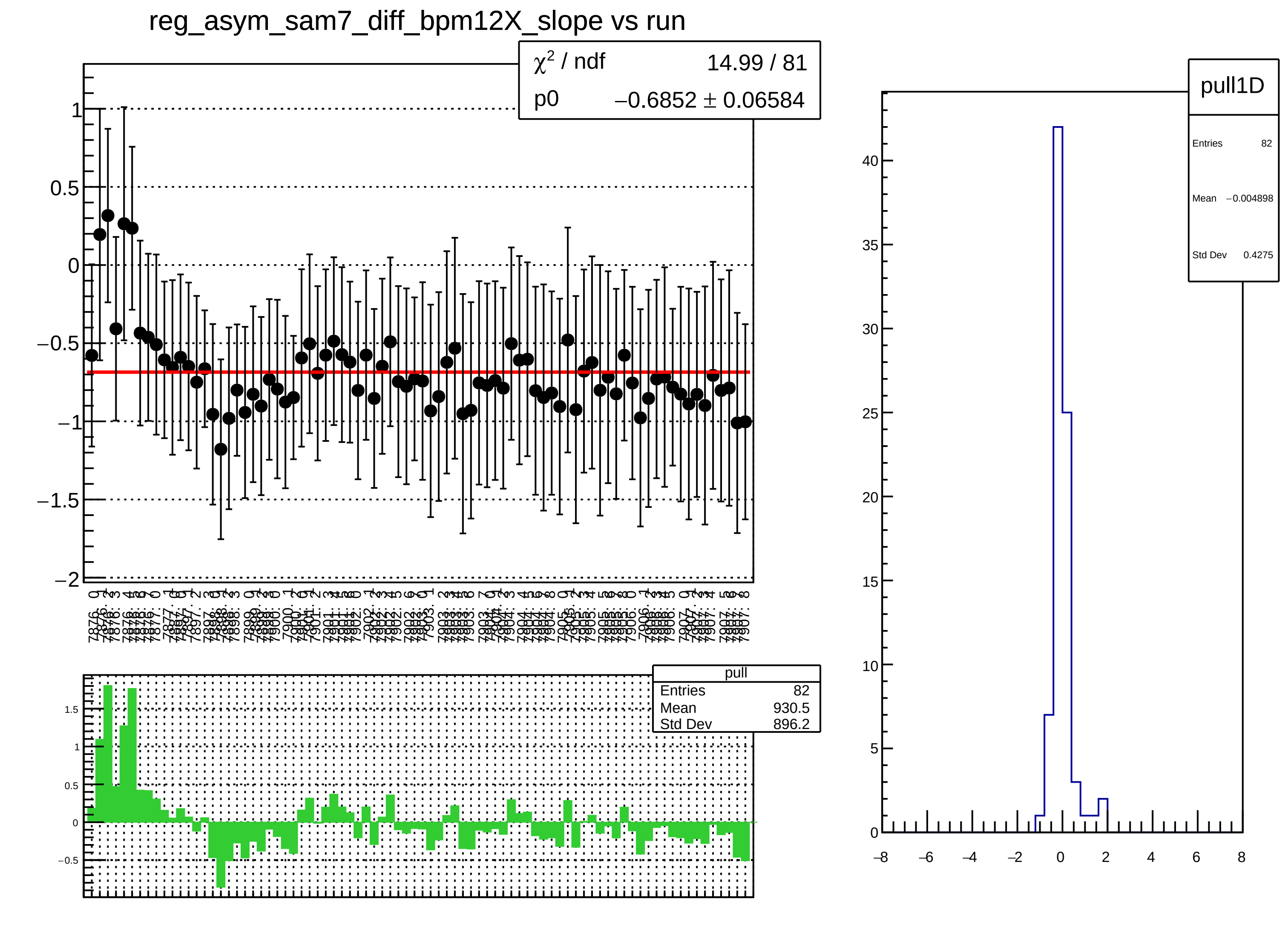
reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 16.95 / 81
p0 18.62 ± 1.635
pull
Entries 82
Mean 79.08
Std Dev 38.41
pull1D
Entries 82
Mean 0.1347
Std Dev 0.4342



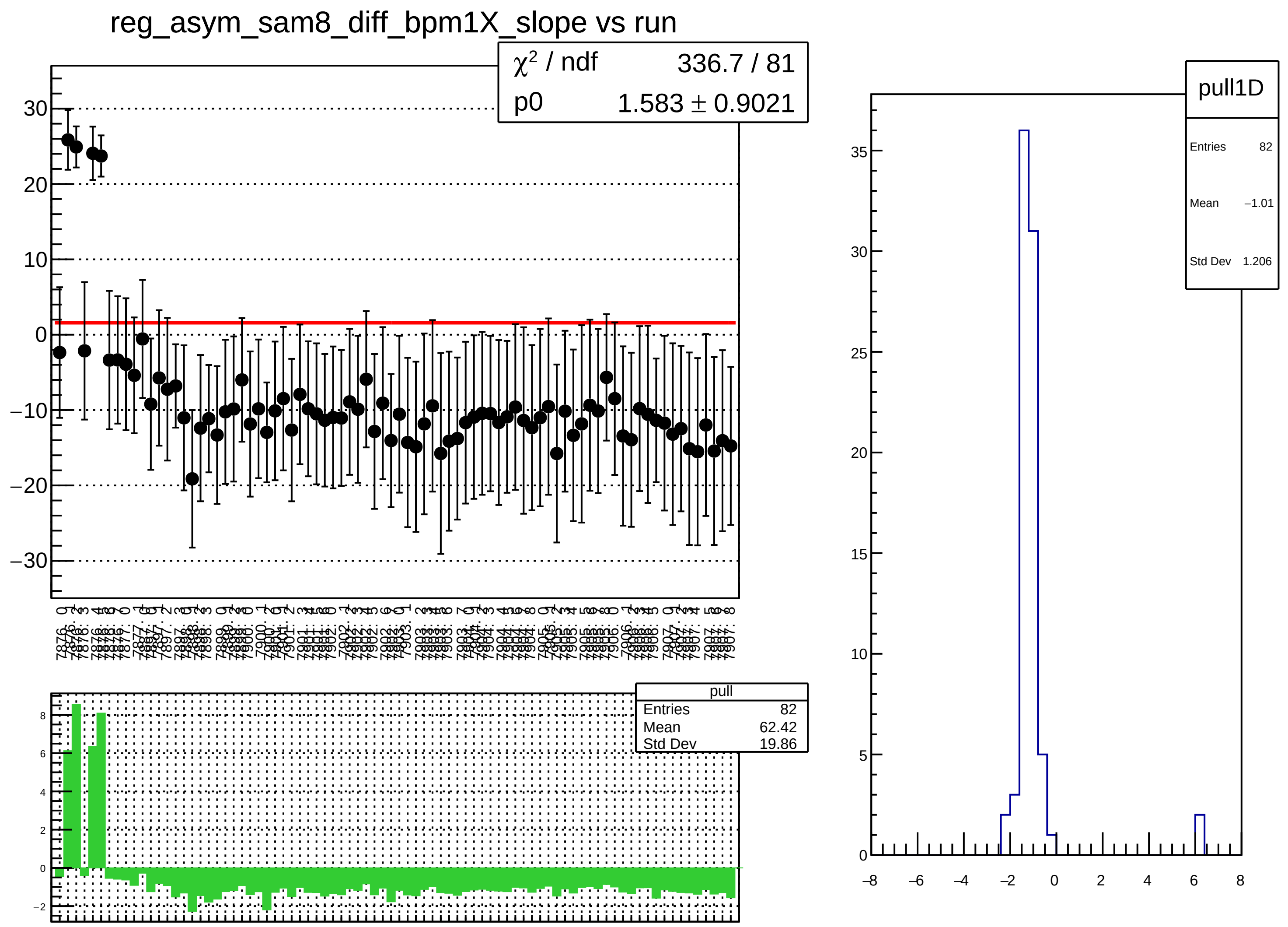
reg_asym_sam7_diff_bpm4eX_slope vs run
χ2 / ndf 380.3 / 81
p0 −45.76 ± 1.245
0
−20
−40
−60
−80
pull
Entries 82
Mean 62.97
Std Dev 18.75
2
0
−2
−4
−6
−8
pull1D
Entries 82
Mean 1.05
Std Dev 1.639
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



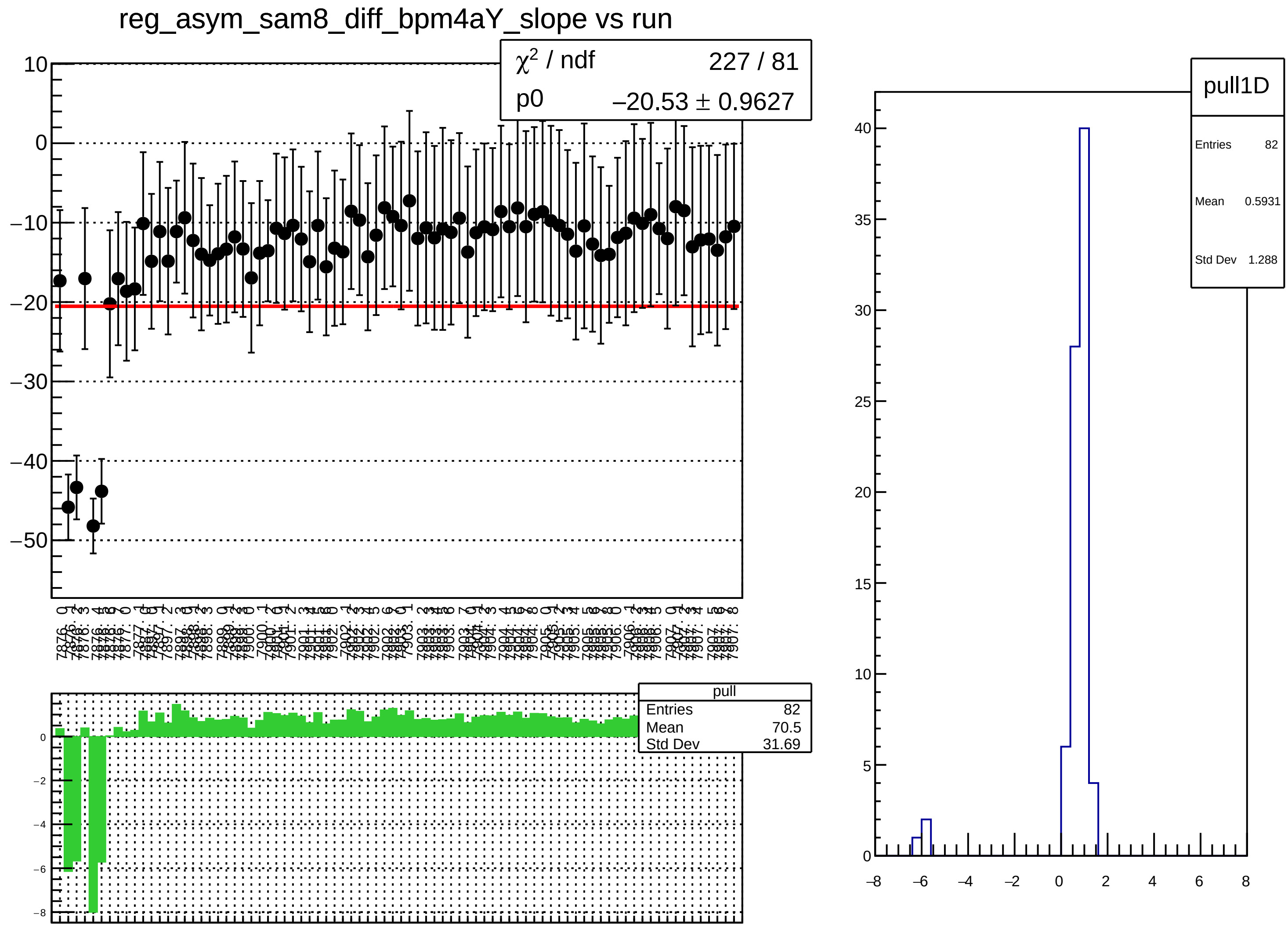
reg_asym_sam7_diff_bpm4eY_slope vs run
χ2 / ndf 10.92 / 81
p0 −24.68 ± 2.002
pull
Entries 82
Mean 98.6
Std Dev 60.55
pull1D
Entries 82
Mean −0.0714
Std Dev 0.3579



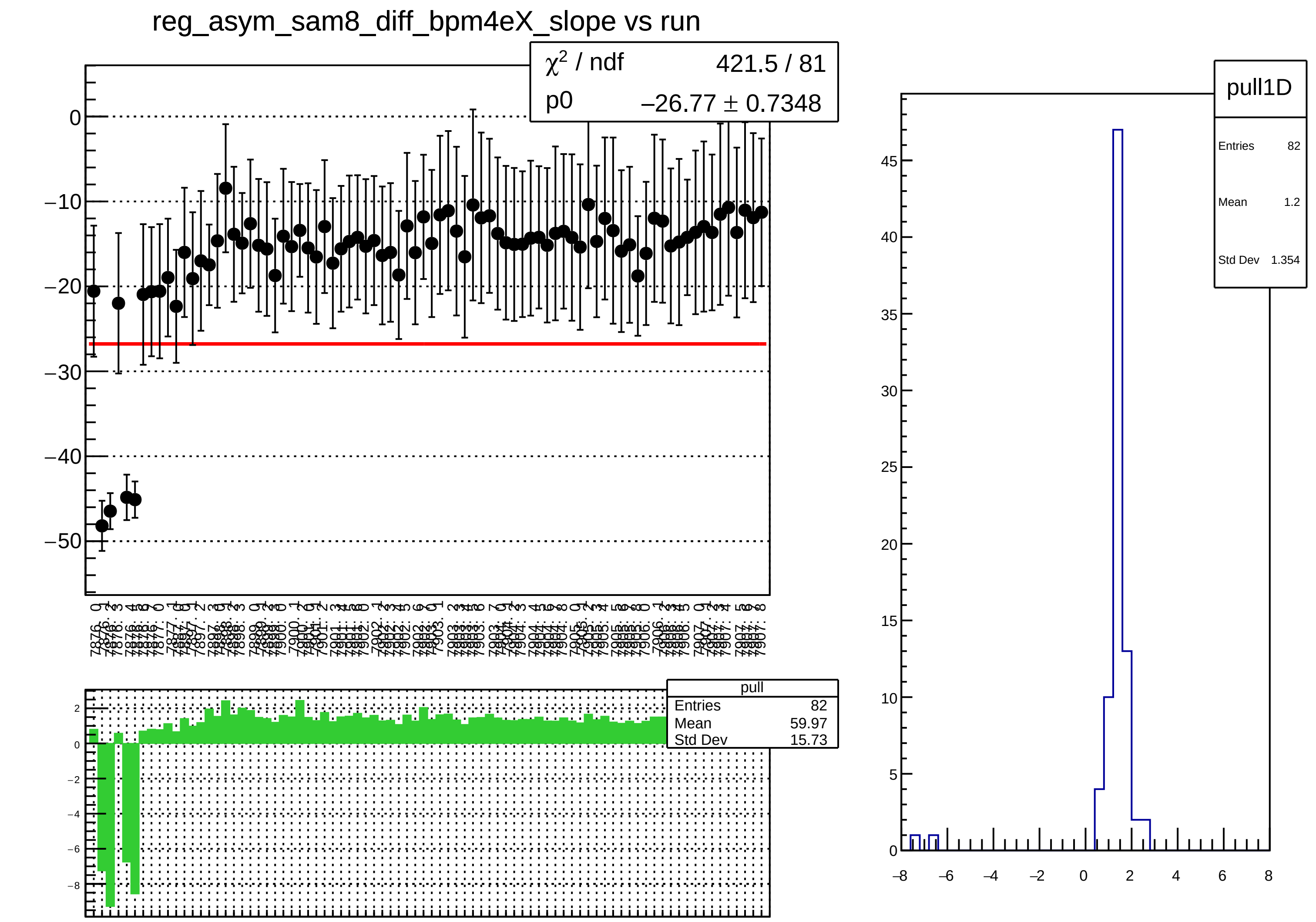
reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 14.99 / 81
p0 −0.6852 ± 0.06584
pull
Entries 82
Mean 930.5
Std Dev 896.2
pull1D
Entries 82
Mean −0.004898
Std Dev 0.4275



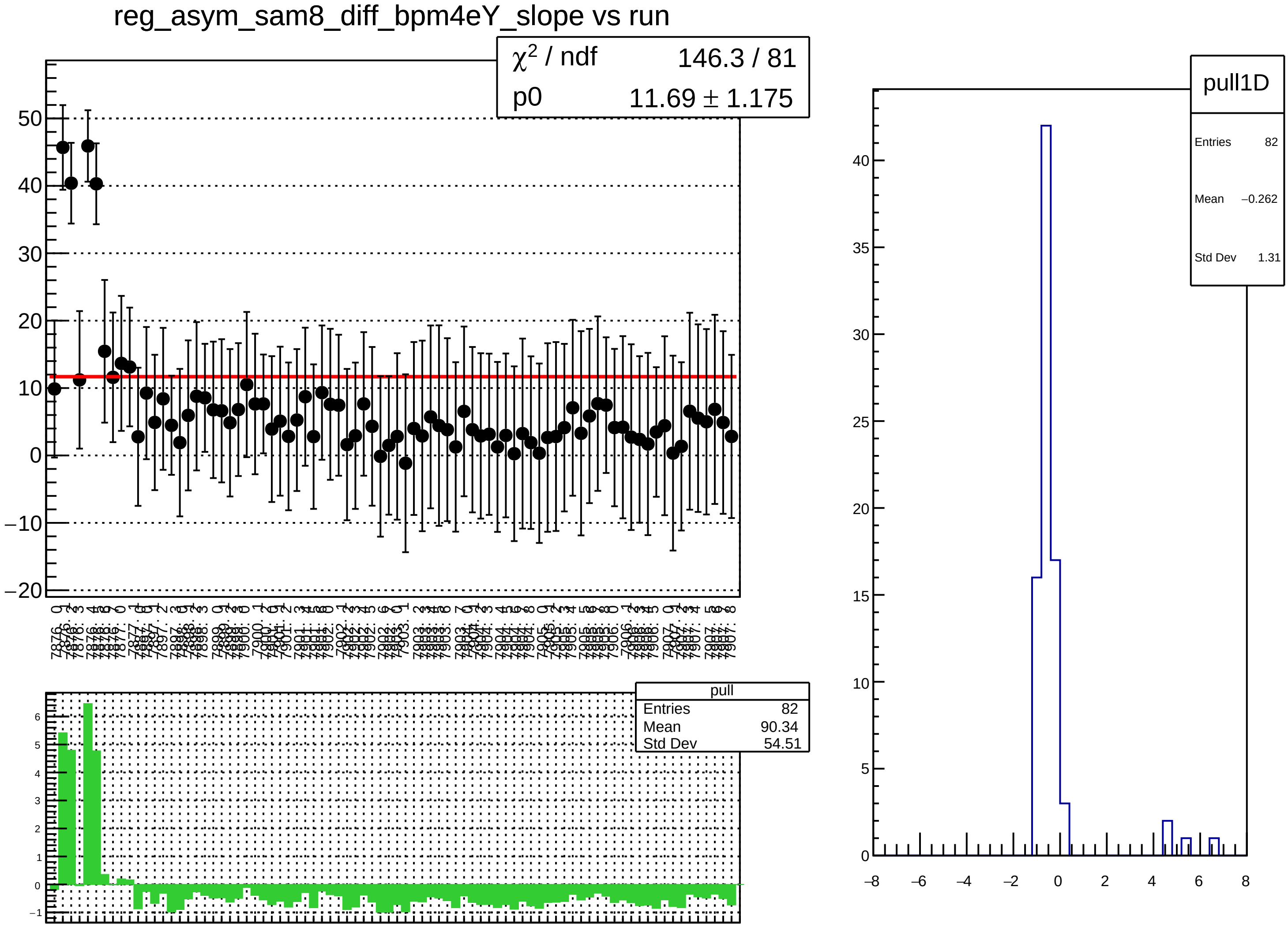
reg_asym_sam8_diff_bpm1X_slope vs run
χ2 / ndf 336.7 / 81
p0 1.583 ± 0.9021
pull
Entries 82
Mean 62.42
Std Dev 19.86
pull1D
Entries 82
Mean −1.01
Std Dev 1.206



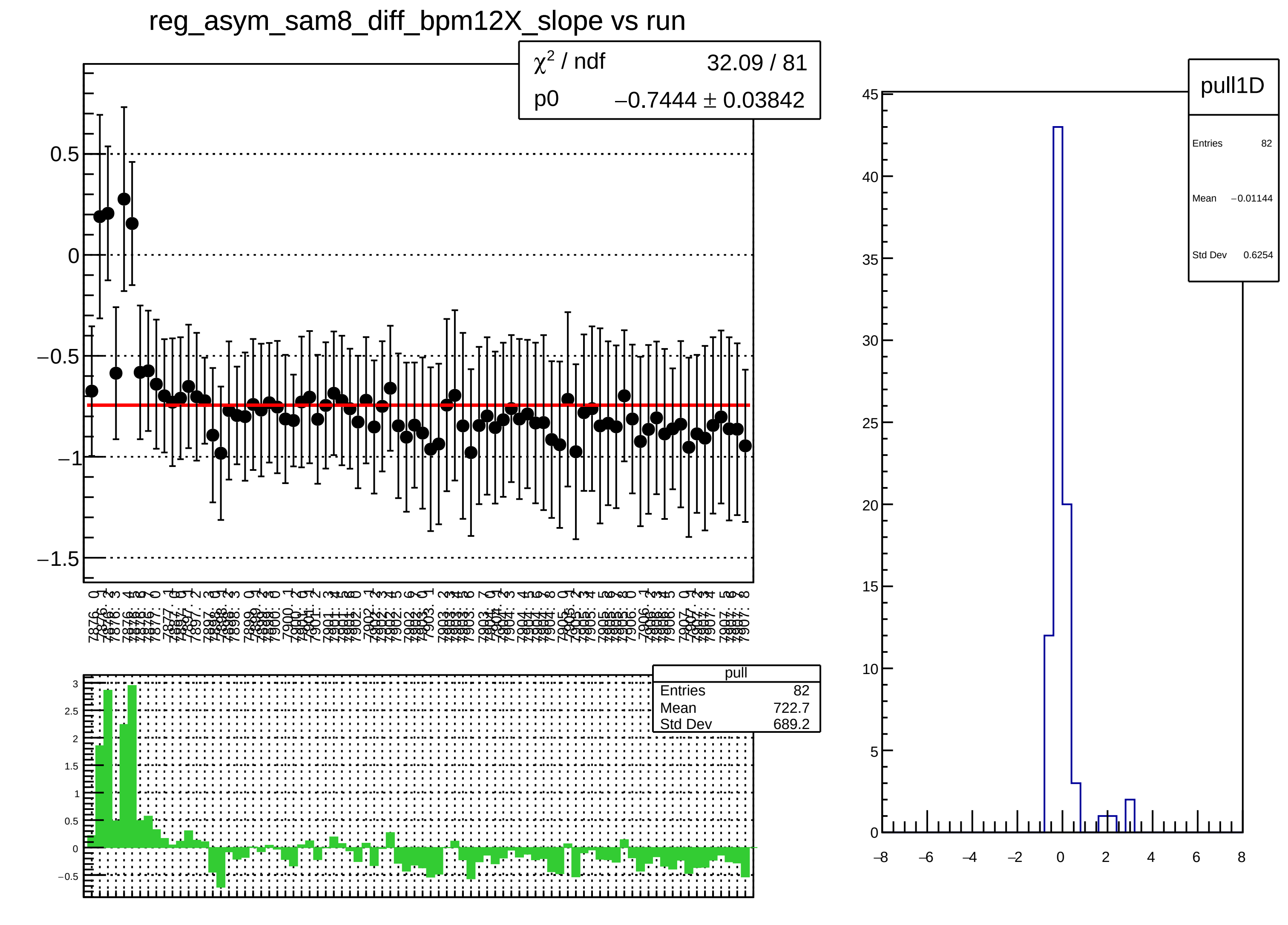
reg_asym_sam8_diff_bpm4aY_slope vs run
χ2 / ndf 227 / 81
p0 −20.53 ± 0.9627
pull
Entries 82
Mean 70.5
Std Dev 31.69
pull1D
Entries 82
Mean 0.5931
Std Dev 1.288



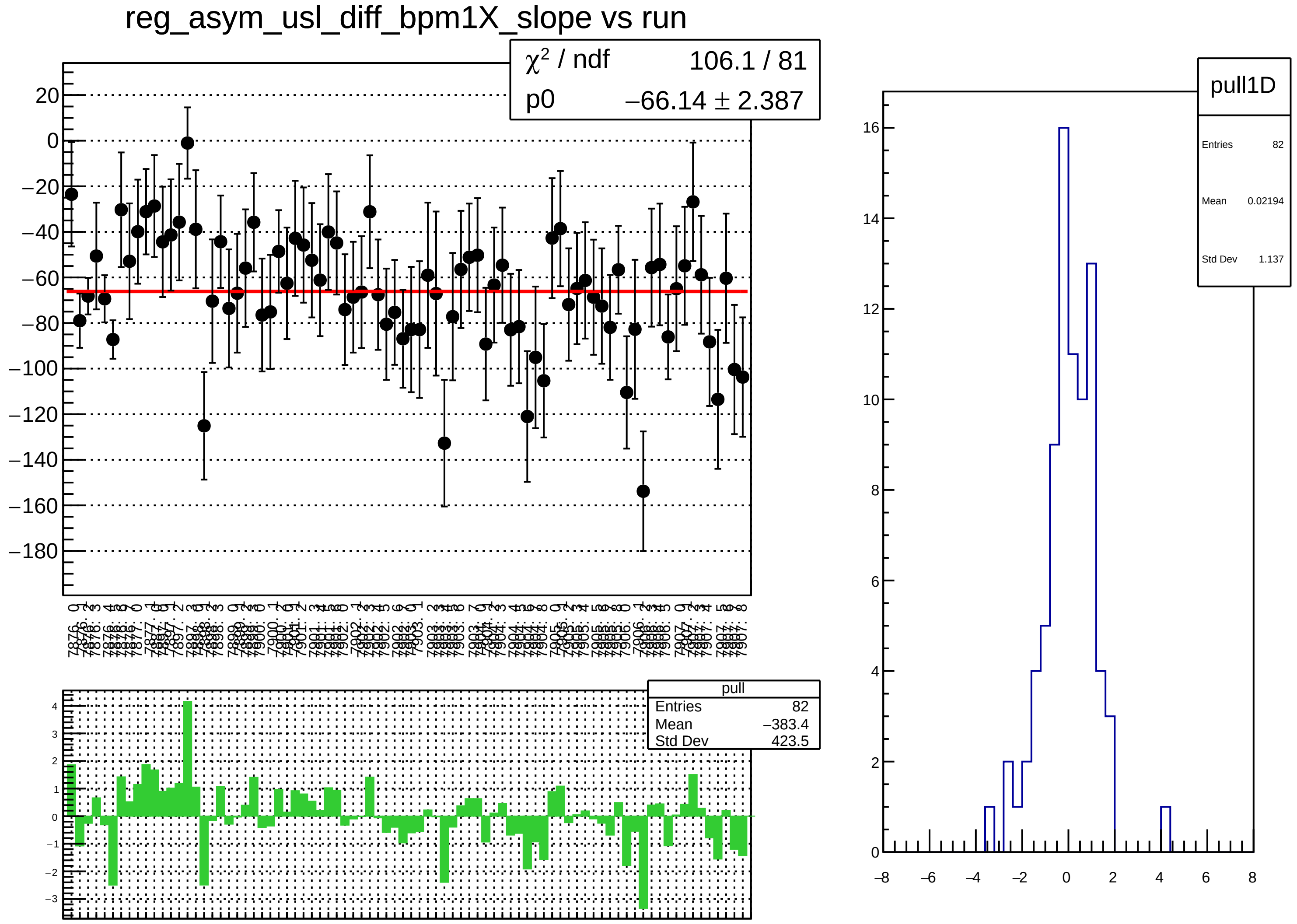
reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 421.5 / 81
p0 −26.77 ± 0.7348
0
−10
−20
−30
−40
−50
pull
Entries 82
Mean 59.97
Std Dev 15.73
2
0
−2
−4
−6
−8
pull1D
Entries 82
Mean 1.2
Std Dev 1.354
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

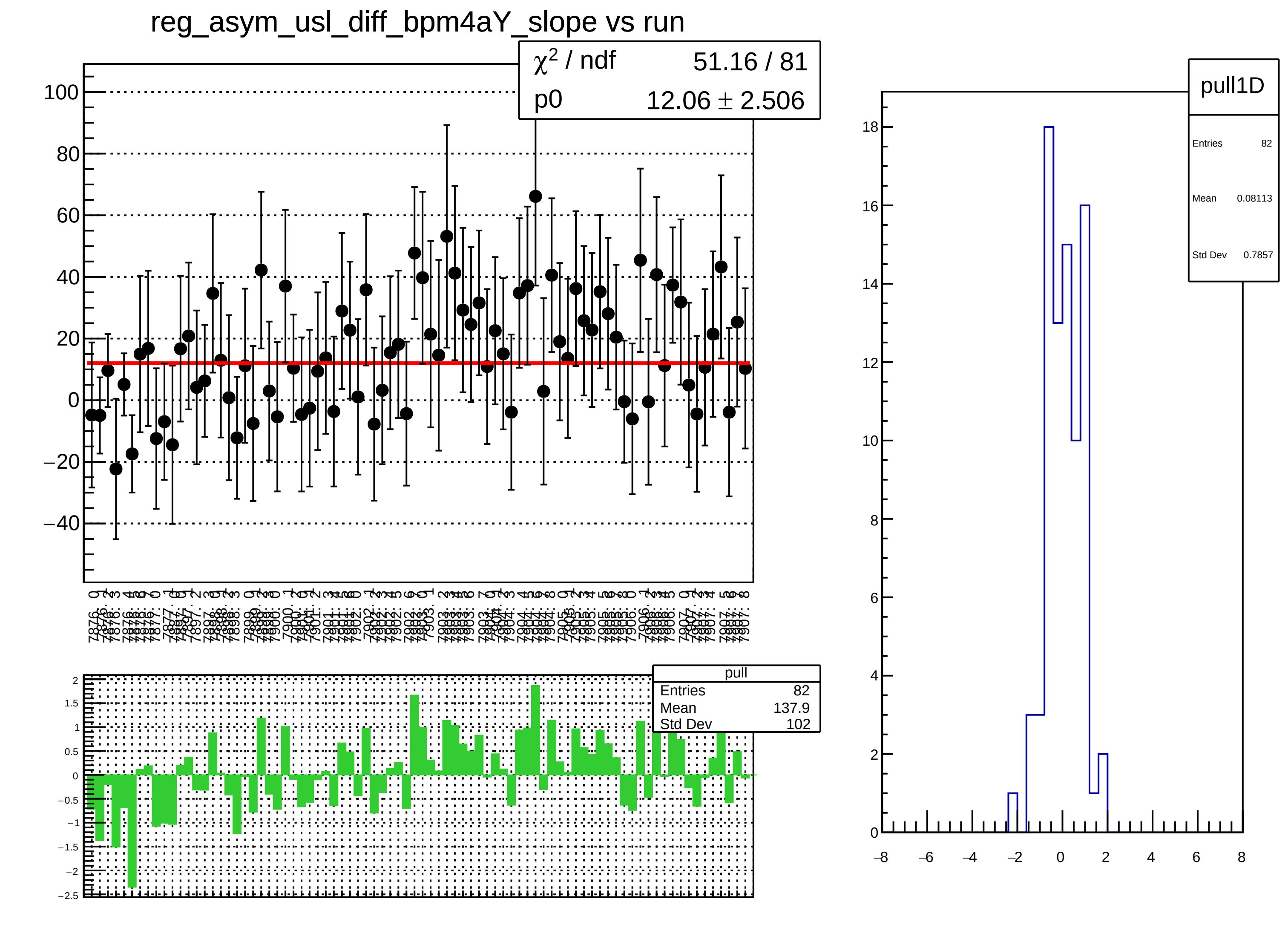


reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 146.3 / 81
p0 11.69 ± 1.175
pull
Entries 82
Mean 90.34
Std Dev 54.51
pull1D
Entries 82
Mean −0.262
Std Dev 1.31

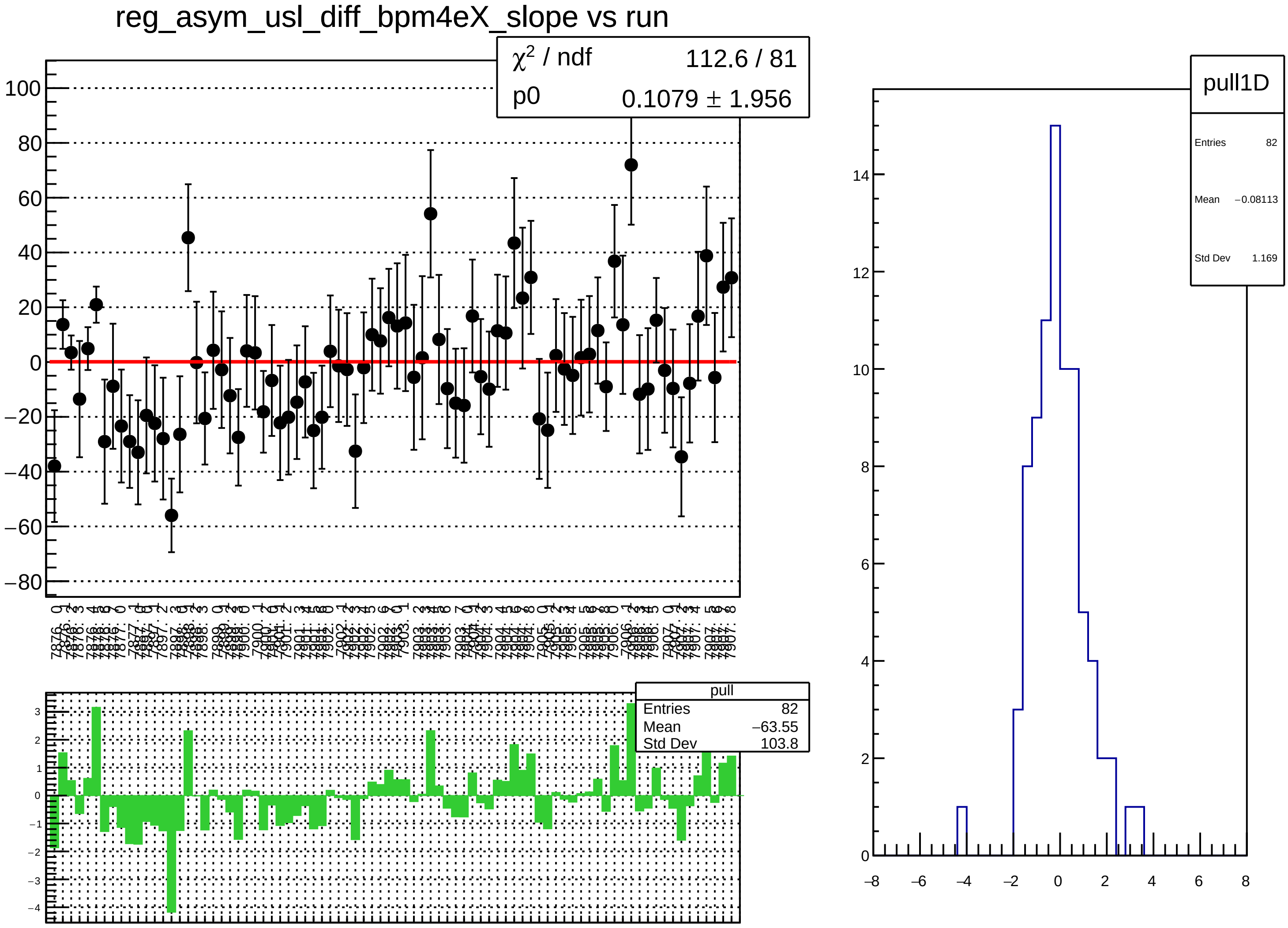


reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 32.09 / 81
p0 −0.7444 ± 0.03842
pull
Entries 82
Mean 722.7
Std Dev 689.2
pull1D
Entries 82
Mean −0.01144
Std Dev 0.6254

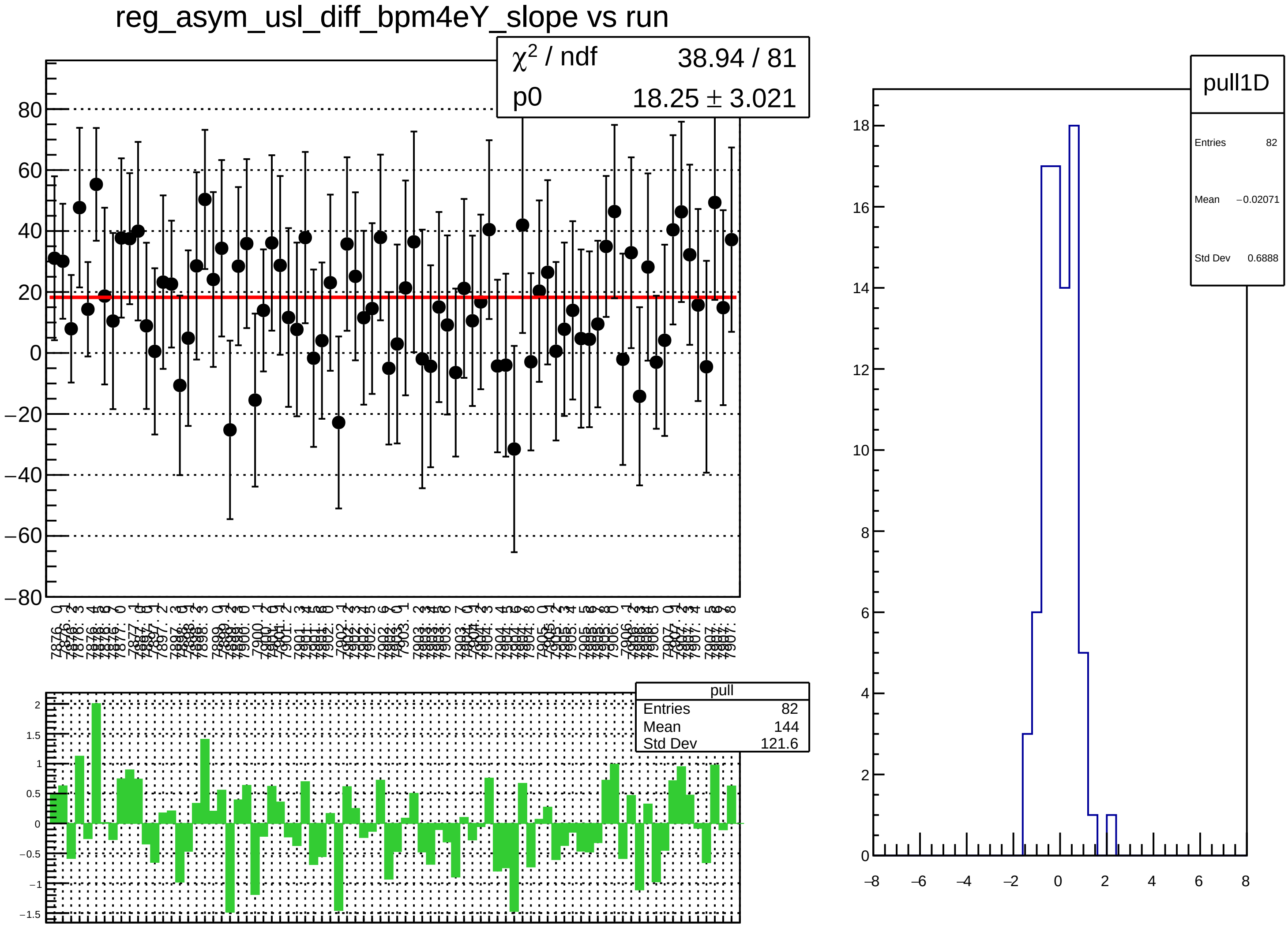

reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 106.1 / 81
p0 −66.14 ± 2.387
pull
Entries 82
Mean −383.4
Std Dev 423.5
pull1D
Entries 82
Mean 0.02194
Std Dev 1.137



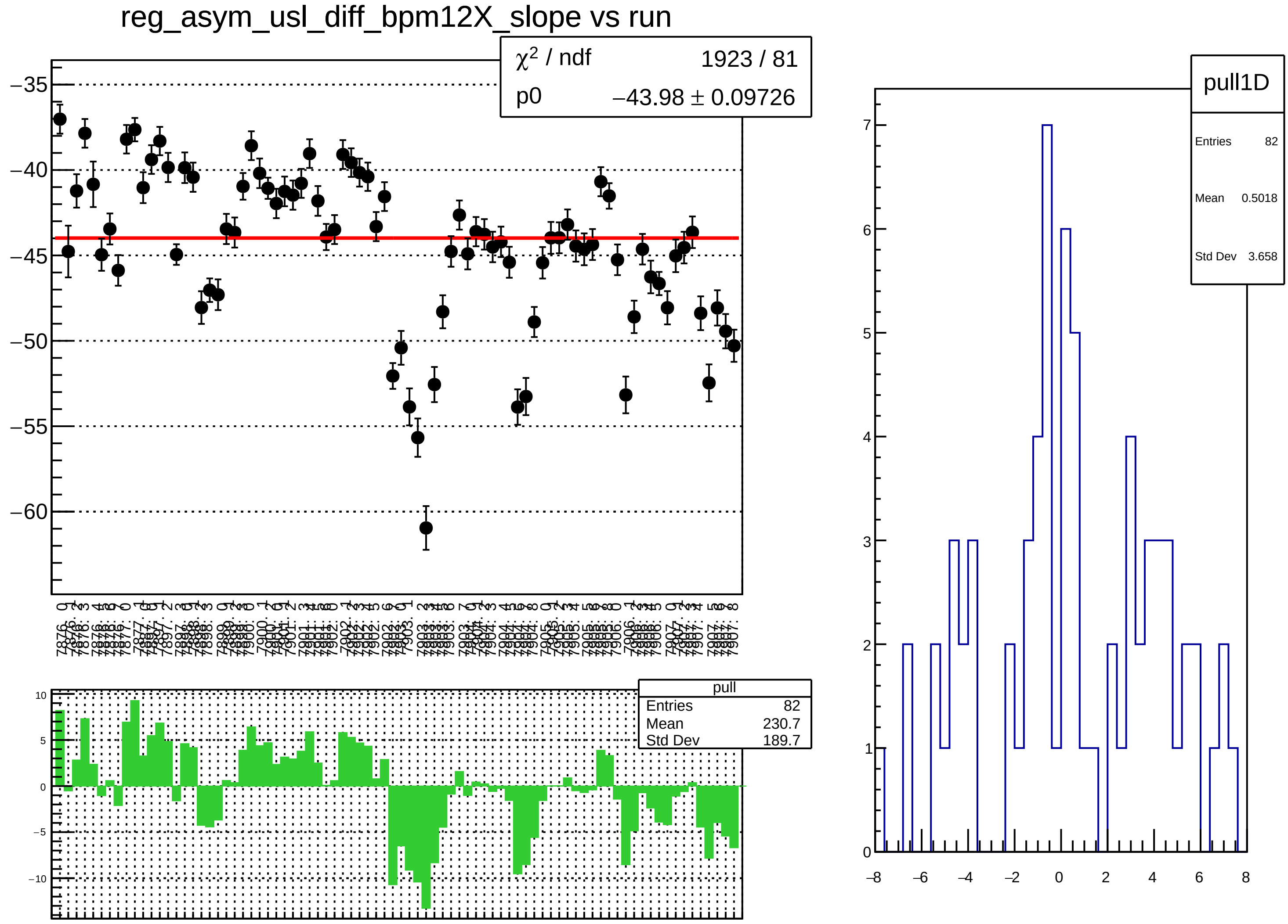
reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 51.16 / 81
p0 12.06 ± 2.506
pull
Entries 82
Mean 137.9
Std Dev 102
pull1D
Entries 82
Mean 0.08113
Std Dev 0.7857



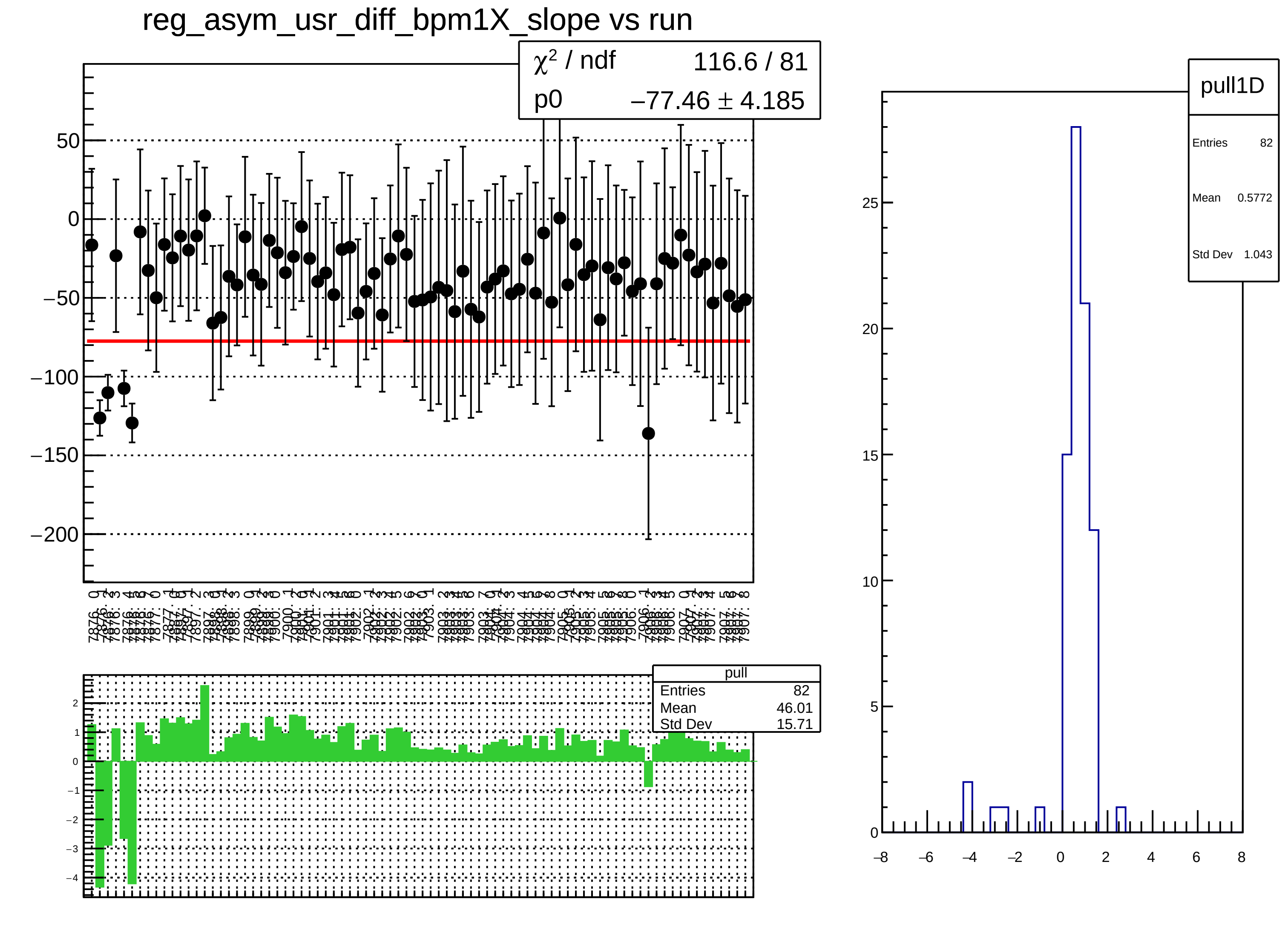
reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 112.6 / 81
p0 0.1079 ± 1.956
pull
Entries 82
Mean −63.55
Std Dev 103.8
pull1D
Entries 82
Mean −0.08113
Std Dev 1.169



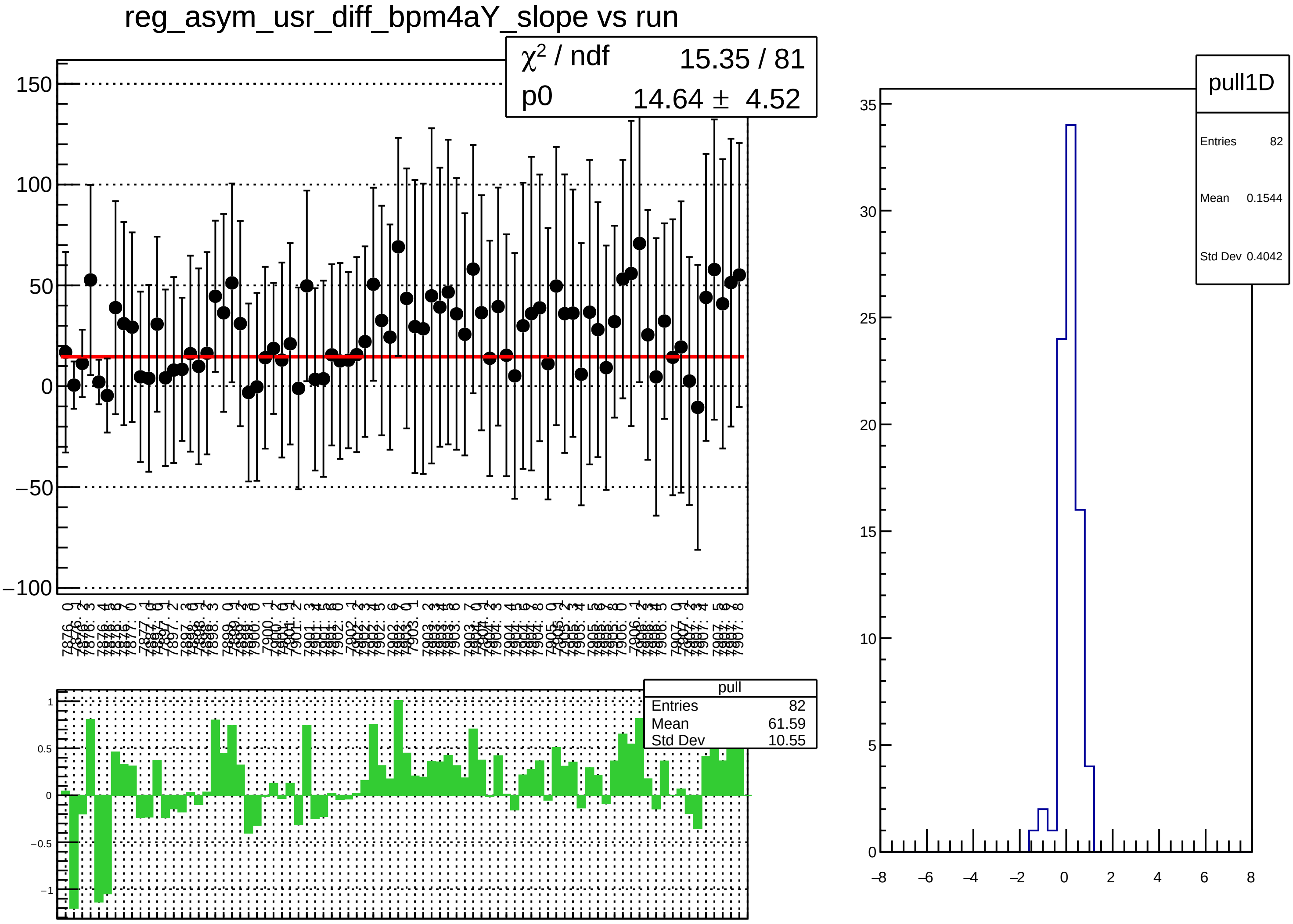
reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 38.94 / 81
p0 18.25 ± 3.021
pull
Entries 82
Mean 144
Std Dev 121.6
pull1D
Entries 82
Mean −0.02071
Std Dev 0.6888



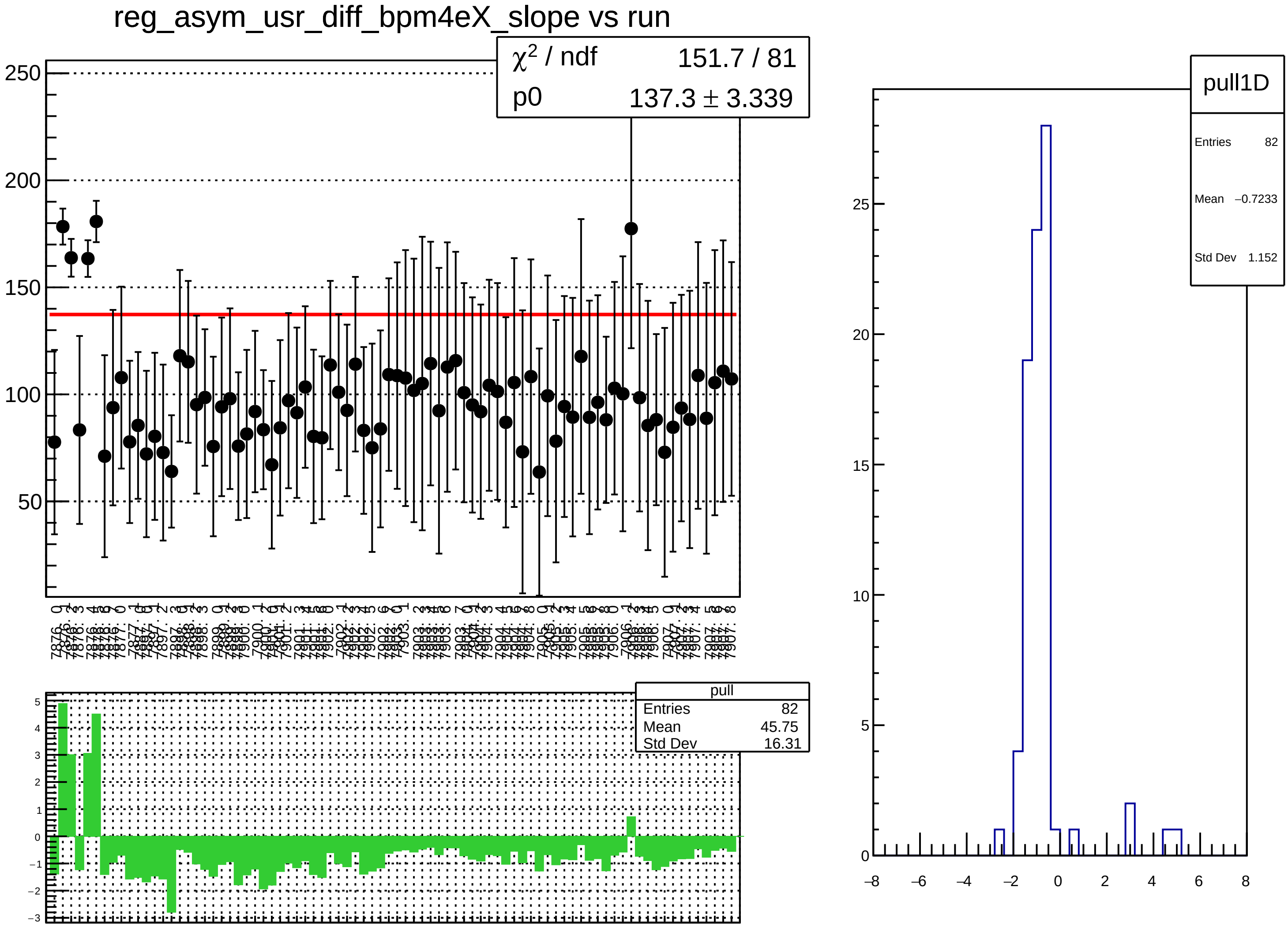
reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 1923 / 81
p0 −43.98 ± 0.09726
−35
−40
−45
−50
−55
−60
pull
Entries 82
Mean 230.7
Std Dev 189.7
10
5
0
−5
−10
pull1D
Entries 82
Mean 0.5018
Std Dev 3.658
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



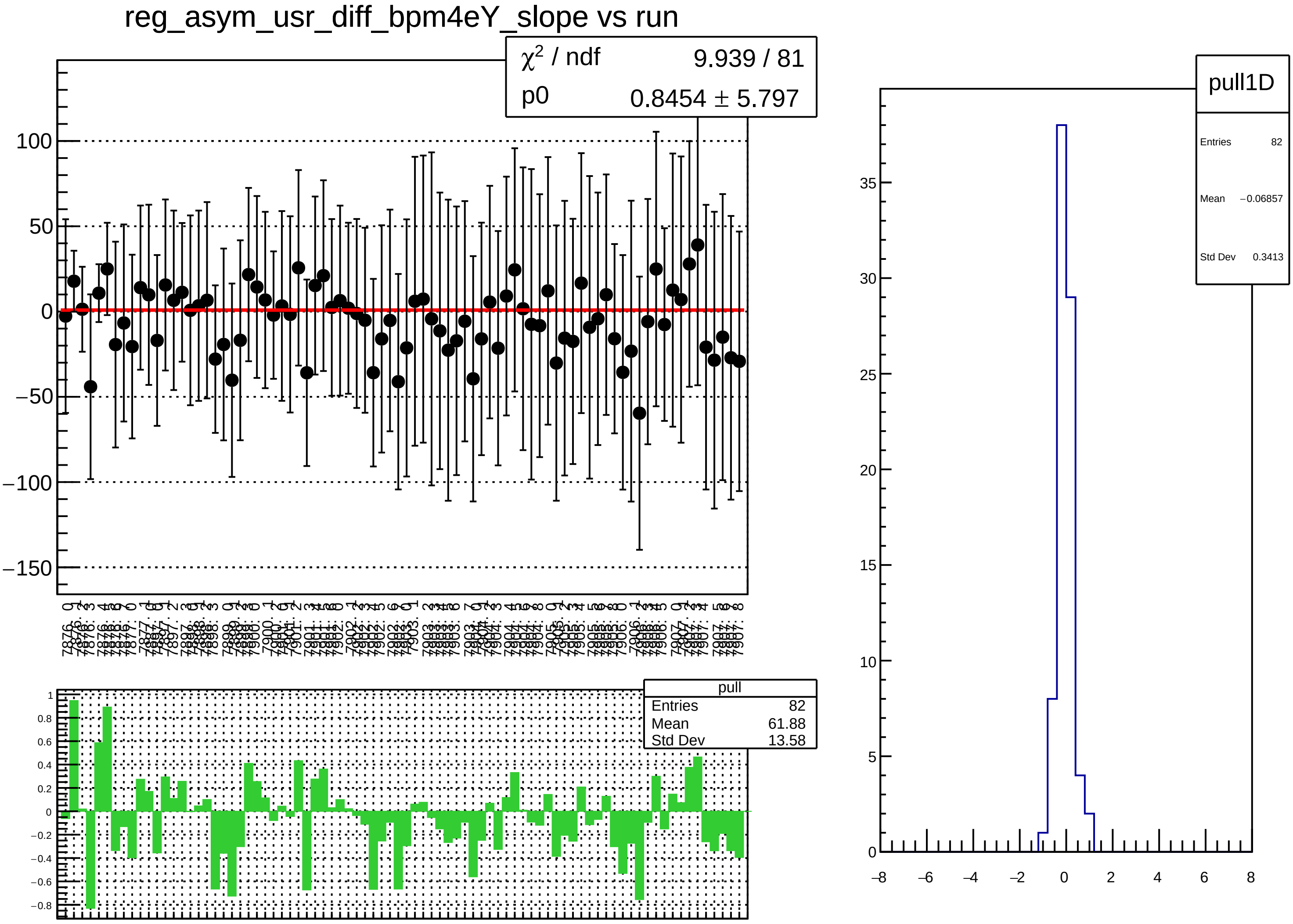
reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 116.6 / 81
p0 −77.46 ± 4.185
pull
Entries 82
Mean 46.01
Std Dev 15.71
pull1D
Entries 82
Mean 0.5772
Std Dev 1.043



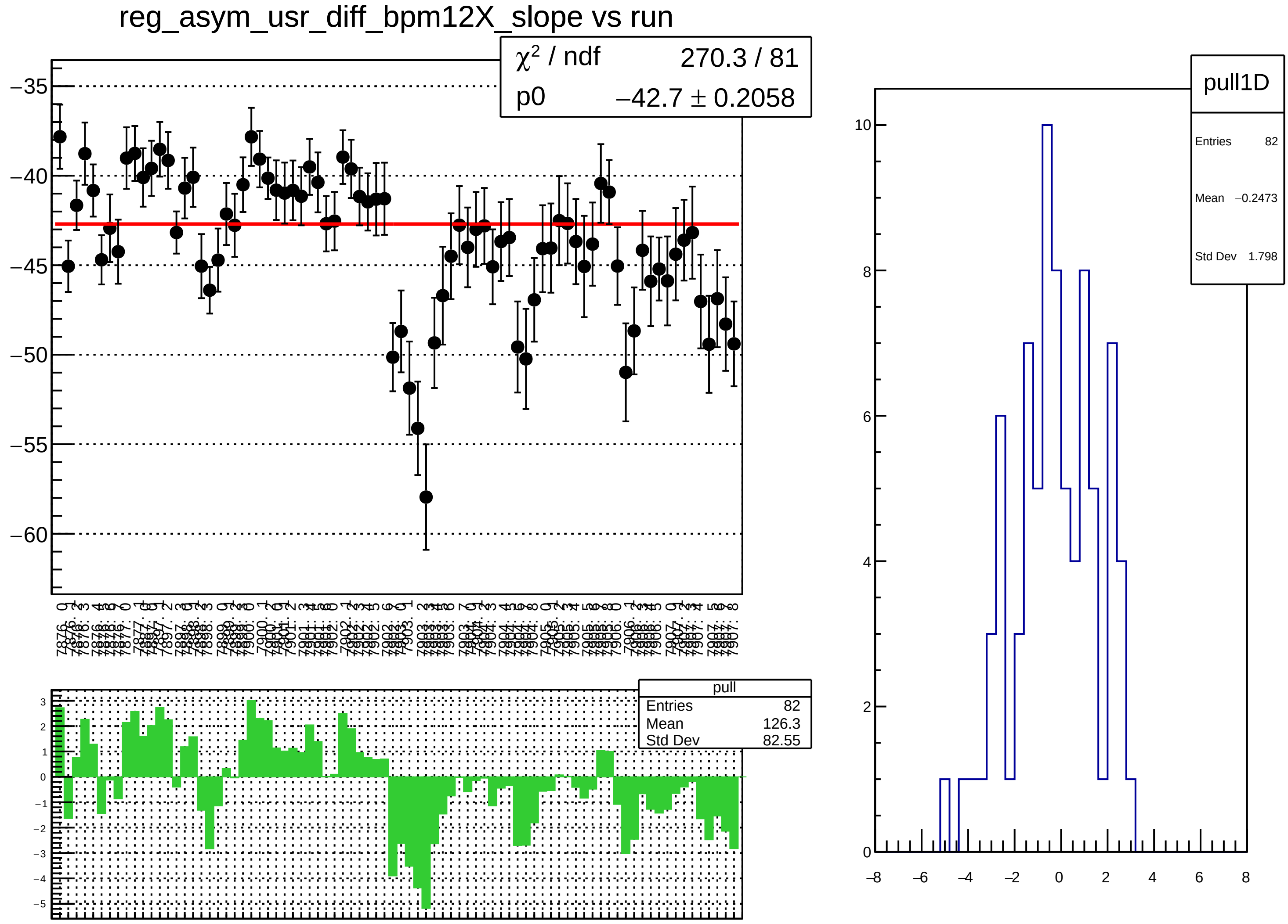
reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 15.35 / 81
p0 14.64 ± 4.52
pull
Entries 82
Mean 61.59
Std Dev 10.55
pull1D
Entries 82
Mean 0.1544
Std Dev 0.4042

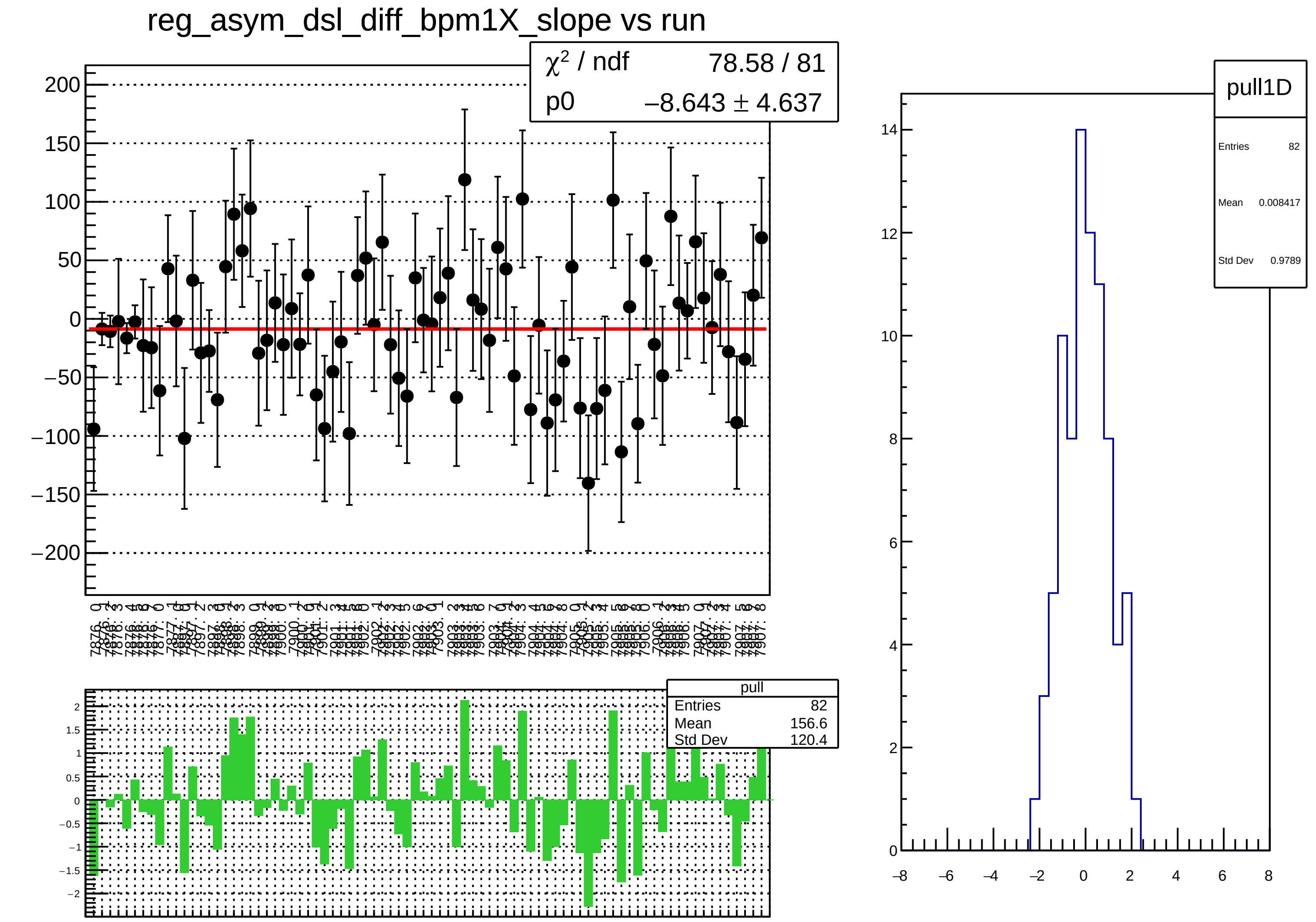


reg_asym_usr_diff_bpm4eX_slope vs run
χ2 / ndf 151.7 / 81
p0 137.3 ± 3.339
pull
Entries 82
Mean 45.75
Std Dev 16.31
pull1D
Entries 82
Mean −0.7233
Std Dev 1.152

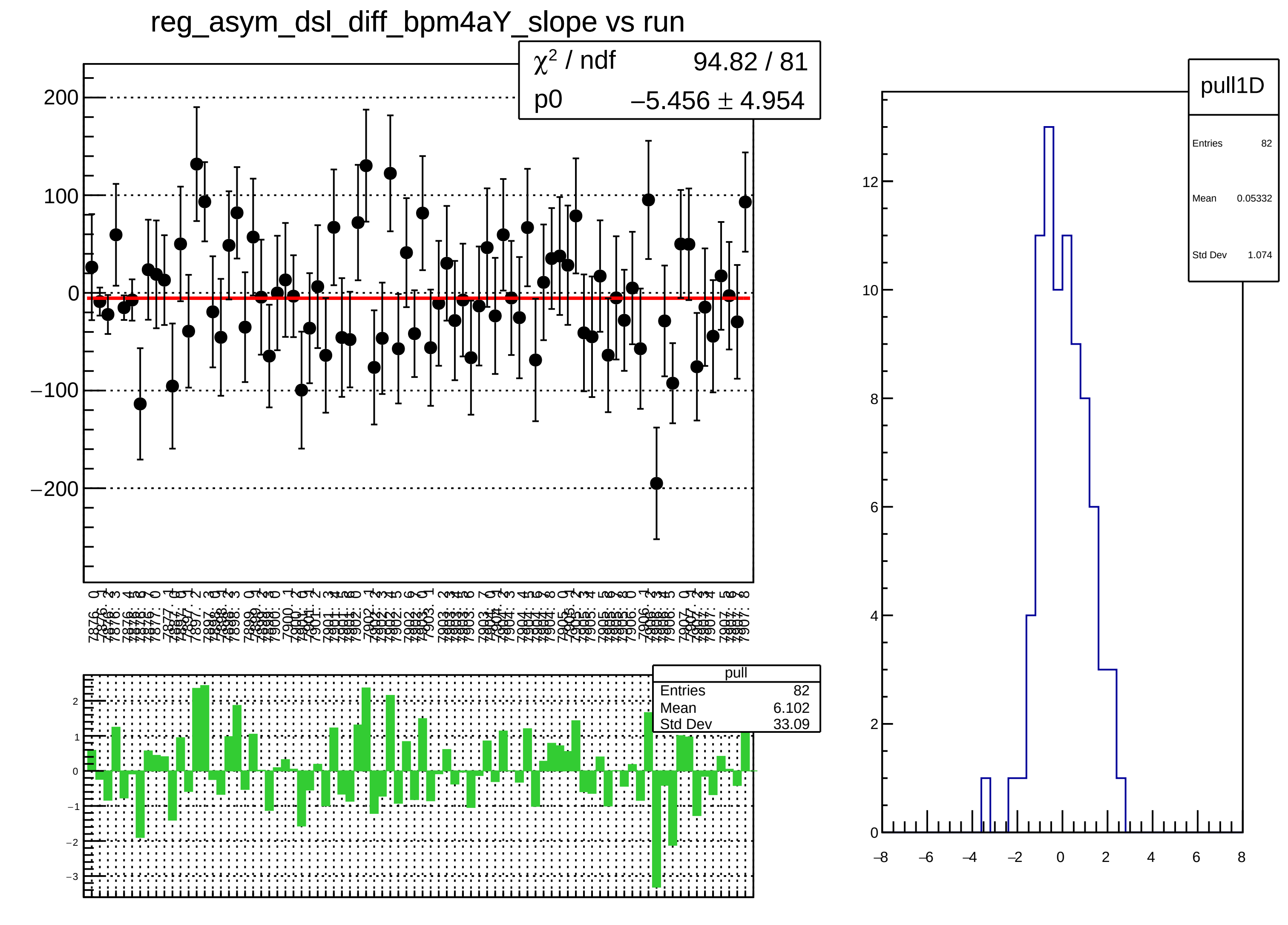


reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 9.939 / 81
p0 0.8454 ± 5.797
100
50
0
−50
−100
−150
pull
Entries 82
Mean 61.88
Std Dev 13.58
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean −0.06857
Std Dev 0.3413
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

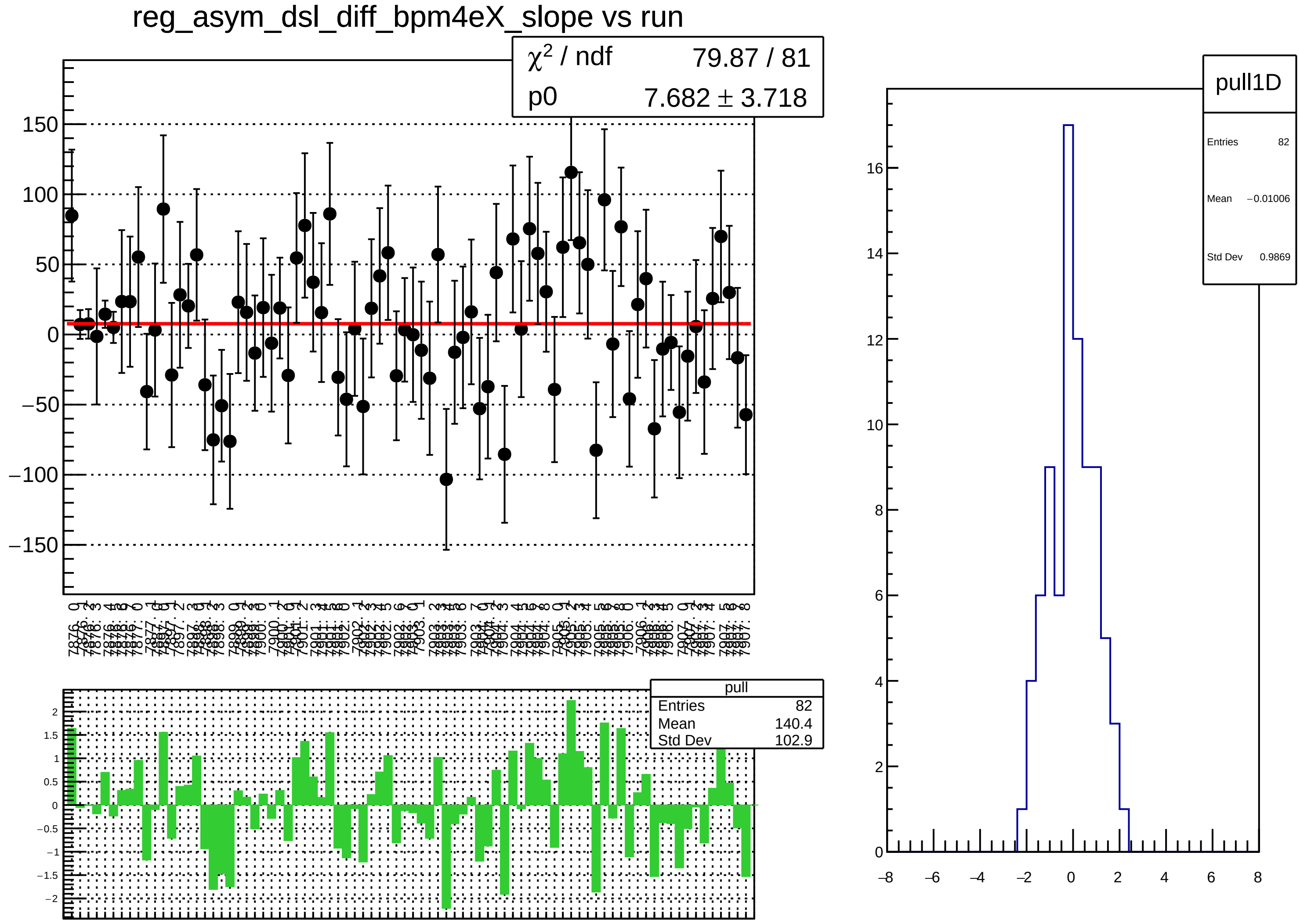

reg_asym_usr_diff_bpm12X_slope vs run
χ2 / ndf 270.3 / 81
p0 −42.7 ± 0.2058
−35
−40
−45
−50
−55
−60
pull
Entries 82
Mean 126.3
Std Dev 82.55
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 82
Mean −0.2473
Std Dev 1.798
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



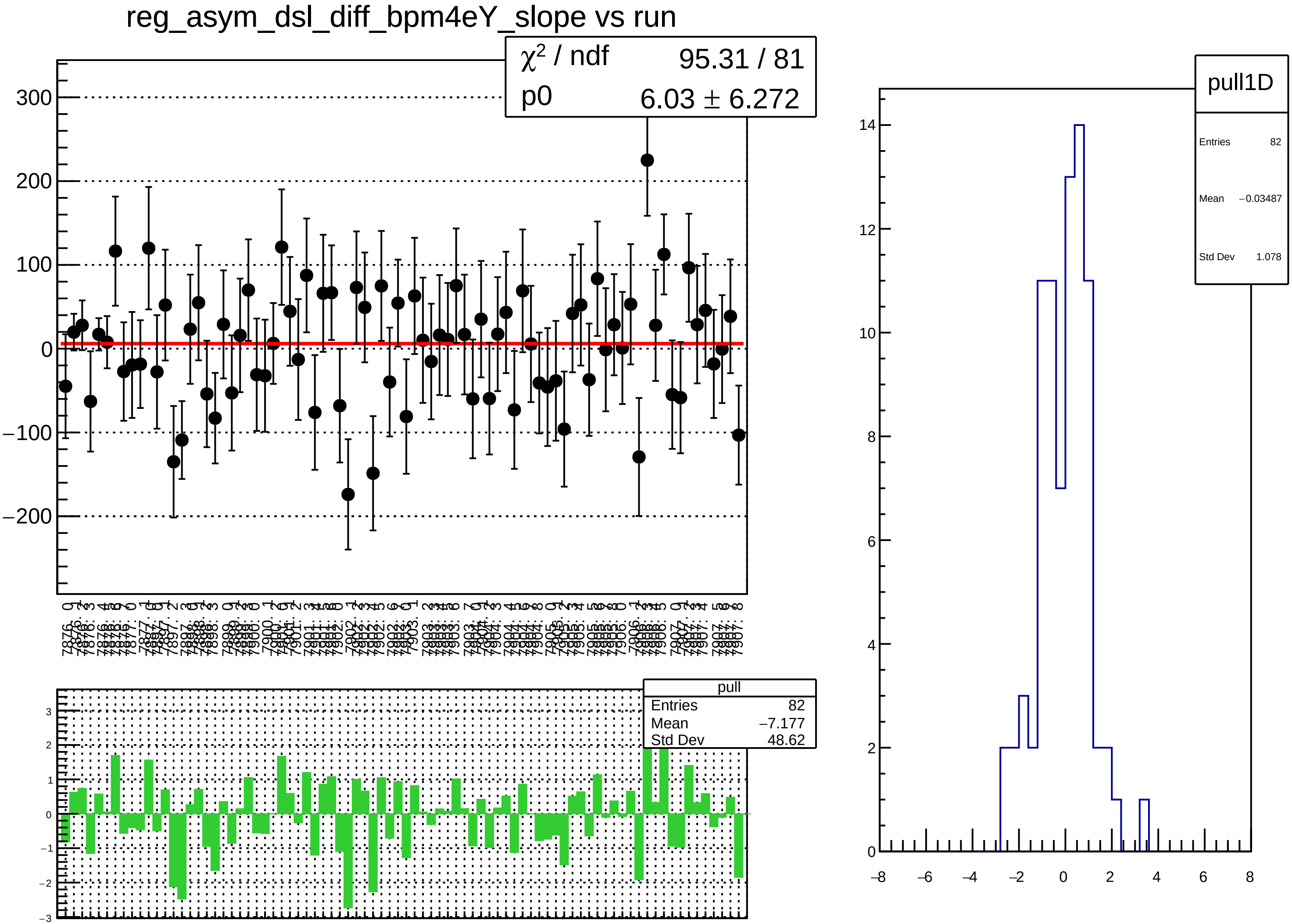
reg_asym_dsl_diff_bpm1X_slope vs run
χ2 / ndf 78.58 / 81
p0 −8.643 ± 4.637
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 156.6
Std Dev 120.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.008417
Std Dev 0.9789
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



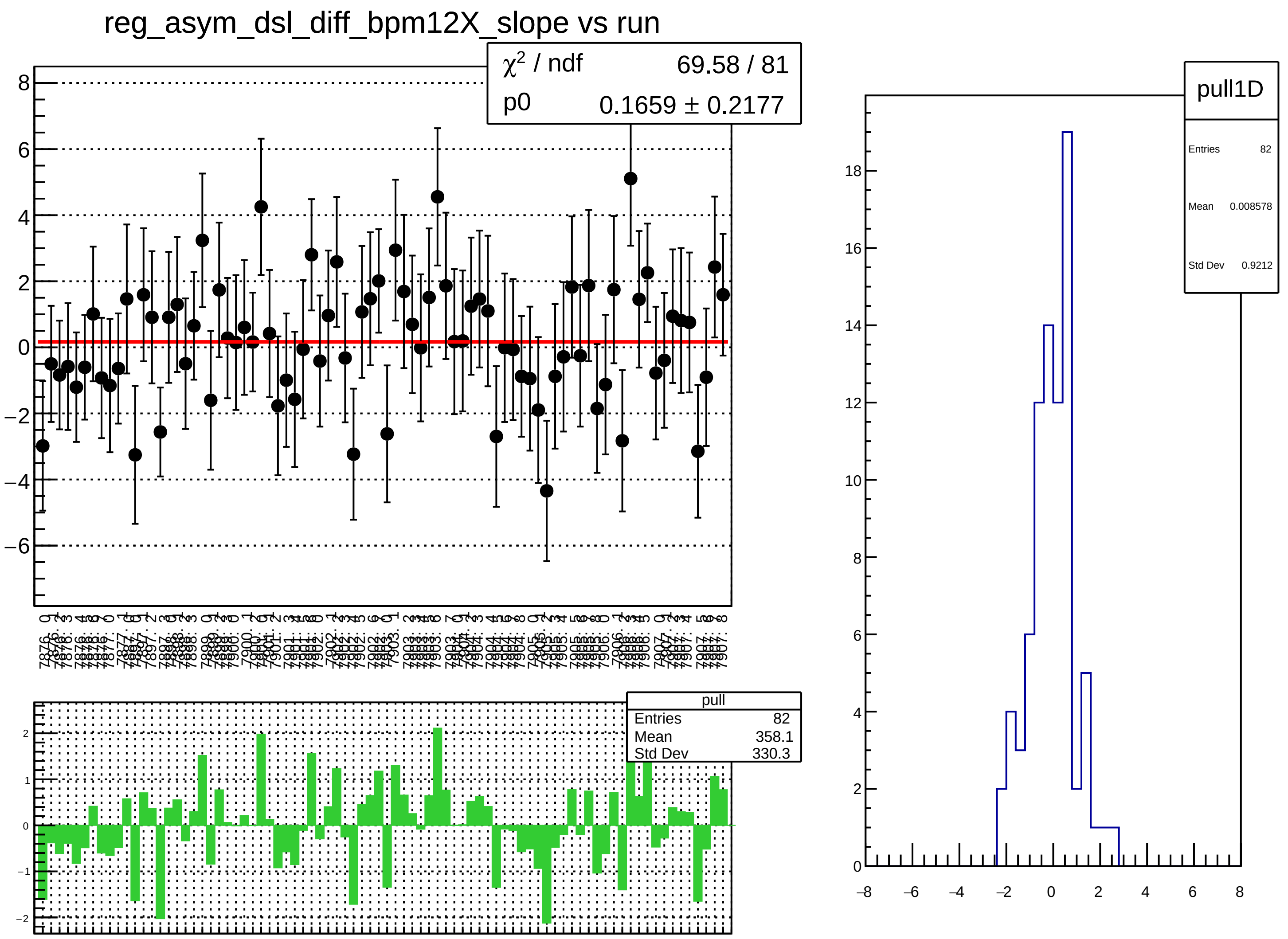
reg_asym_dsl_diff_bpm4aY_slope vs run
χ2 / ndf 94.82 / 81
p0 −5.456 ± 4.954
pull
Entries 82
Mean 6.102
Std Dev 33.09
pull1D
Entries 82
Mean 0.05332
Std Dev 1.074



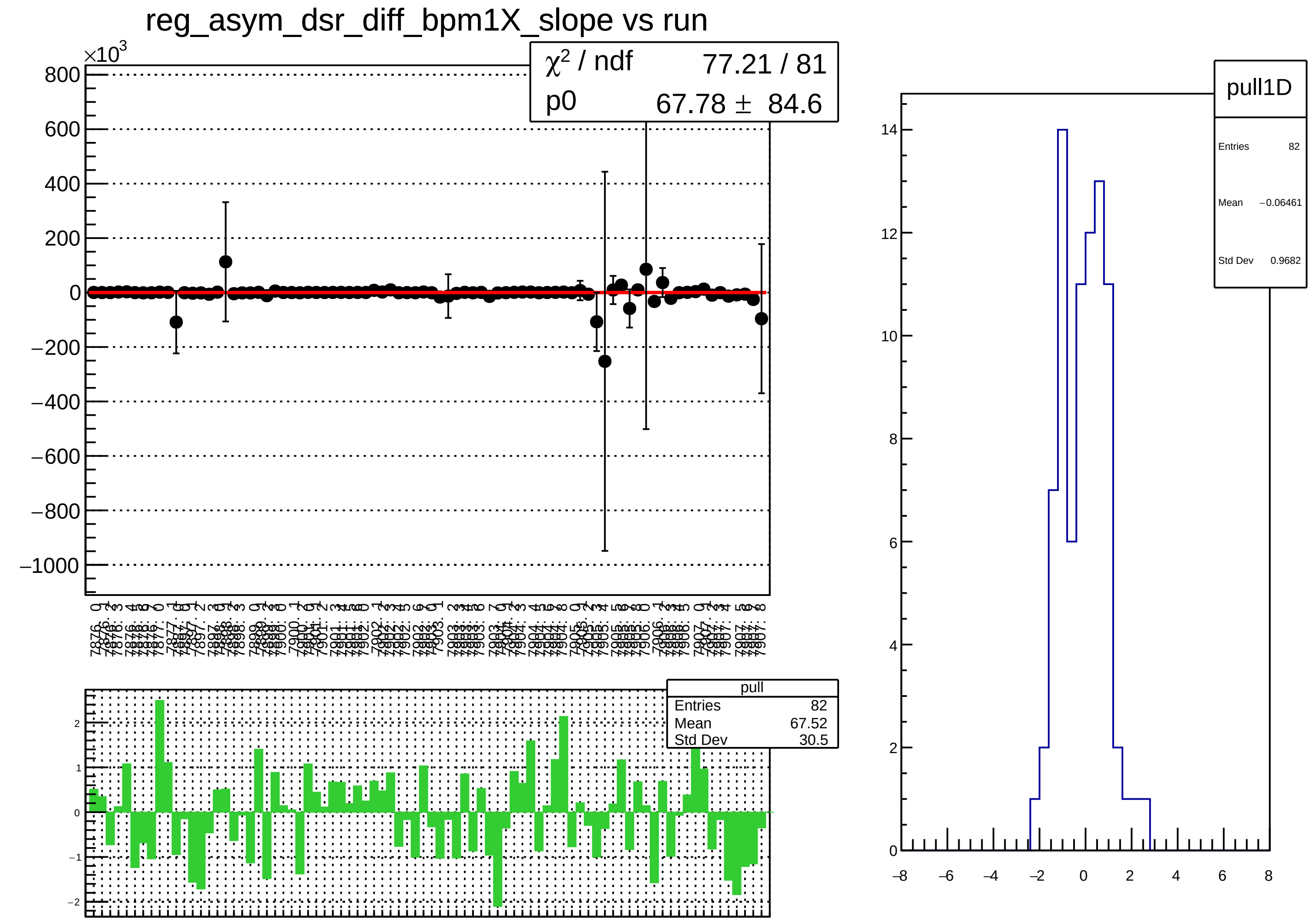
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 79.87 / 81
p0 7.682 ± 3.718
pull
Entries 82
Mean 140.4
Std Dev 102.9
pull1D
Entries 82
Mean −0.01006
Std Dev 0.9869



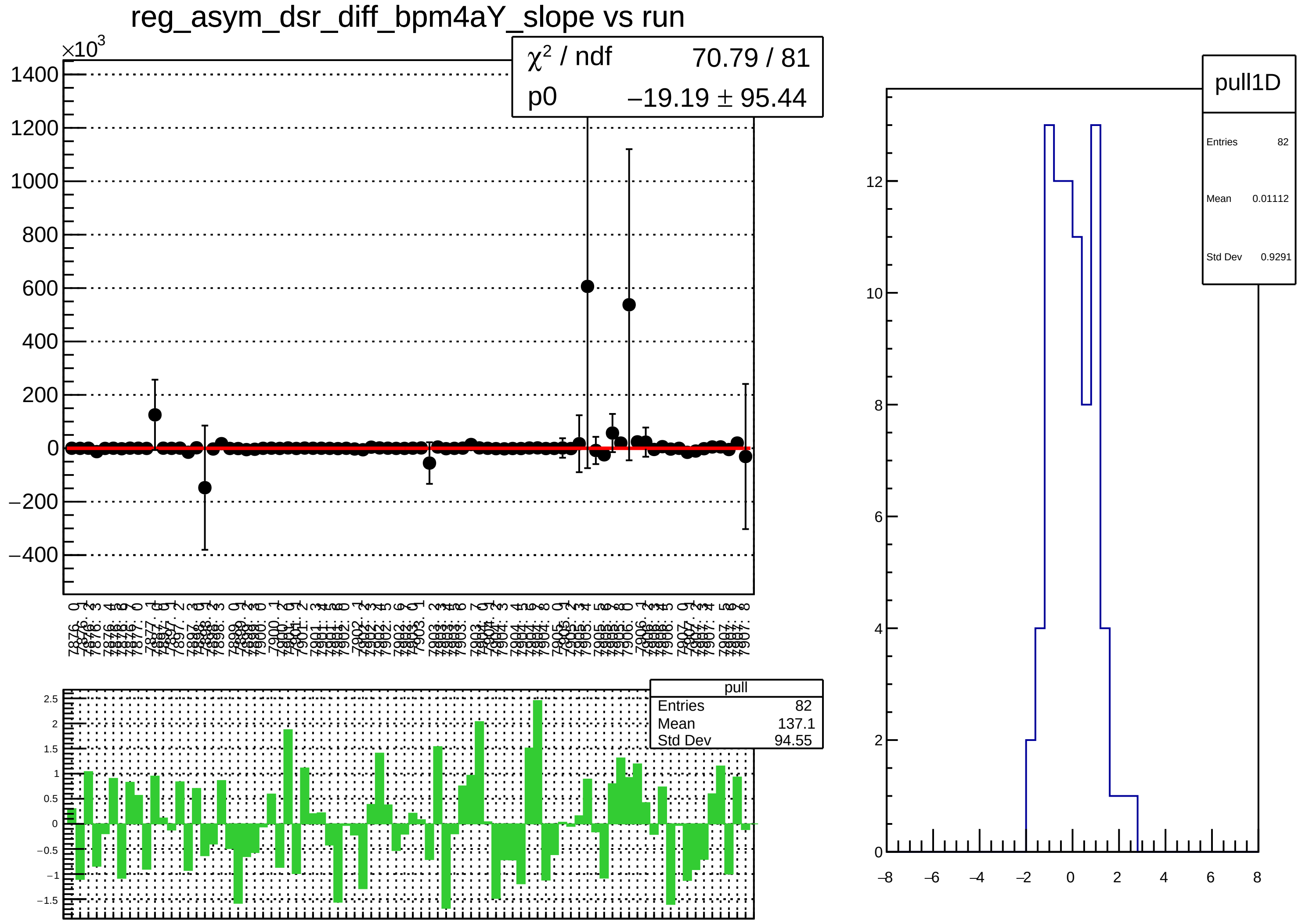
reg_asym_dsl_diff_bpm4eY_slope vs run
χ2 / ndf 95.31 / 81
p0 6.03 ± 6.272
pull
Entries 82
Mean −7.177
Std Dev 48.62
pull1D
Entries 82
Mean −0.03487
Std Dev 1.078



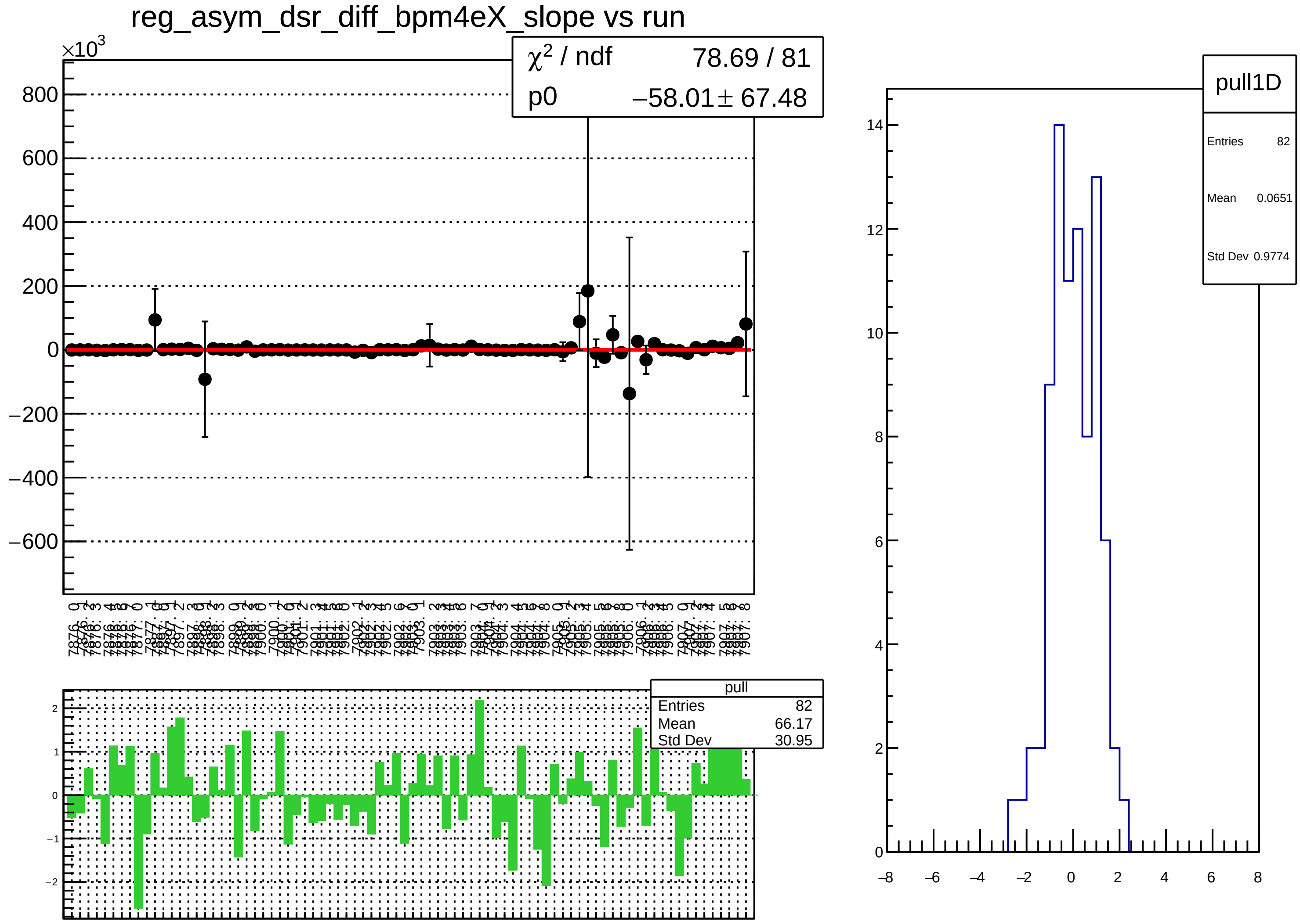
reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 69.58 / 81
p0 0.1659 ± 0.2177
pull
Entries 82
Mean 358.1
Std Dev 330.3
pull1D
Entries 82
Mean 0.008578
Std Dev 0.9212



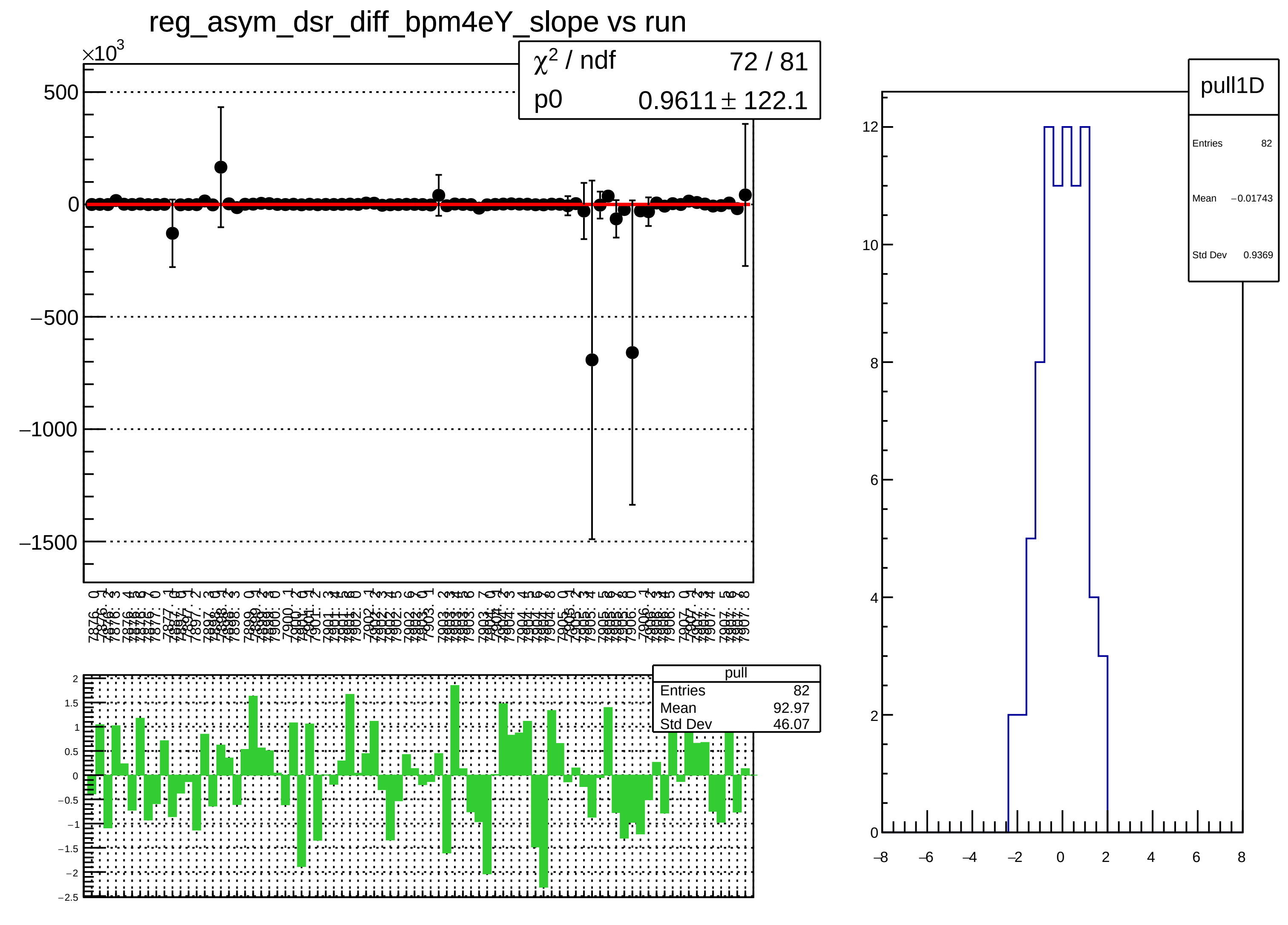
reg_asym_dsr_diff_bpm1X_slope vs run
$\times10^3$
χ^2 / ndf 77.21 / 81
p0 67.78 ± 84.6
pull
Entries 82
Mean 67.52
Std Dev 30.5
pull1D
Entries 82
Mean −0.06461
Std Dev 0.9682

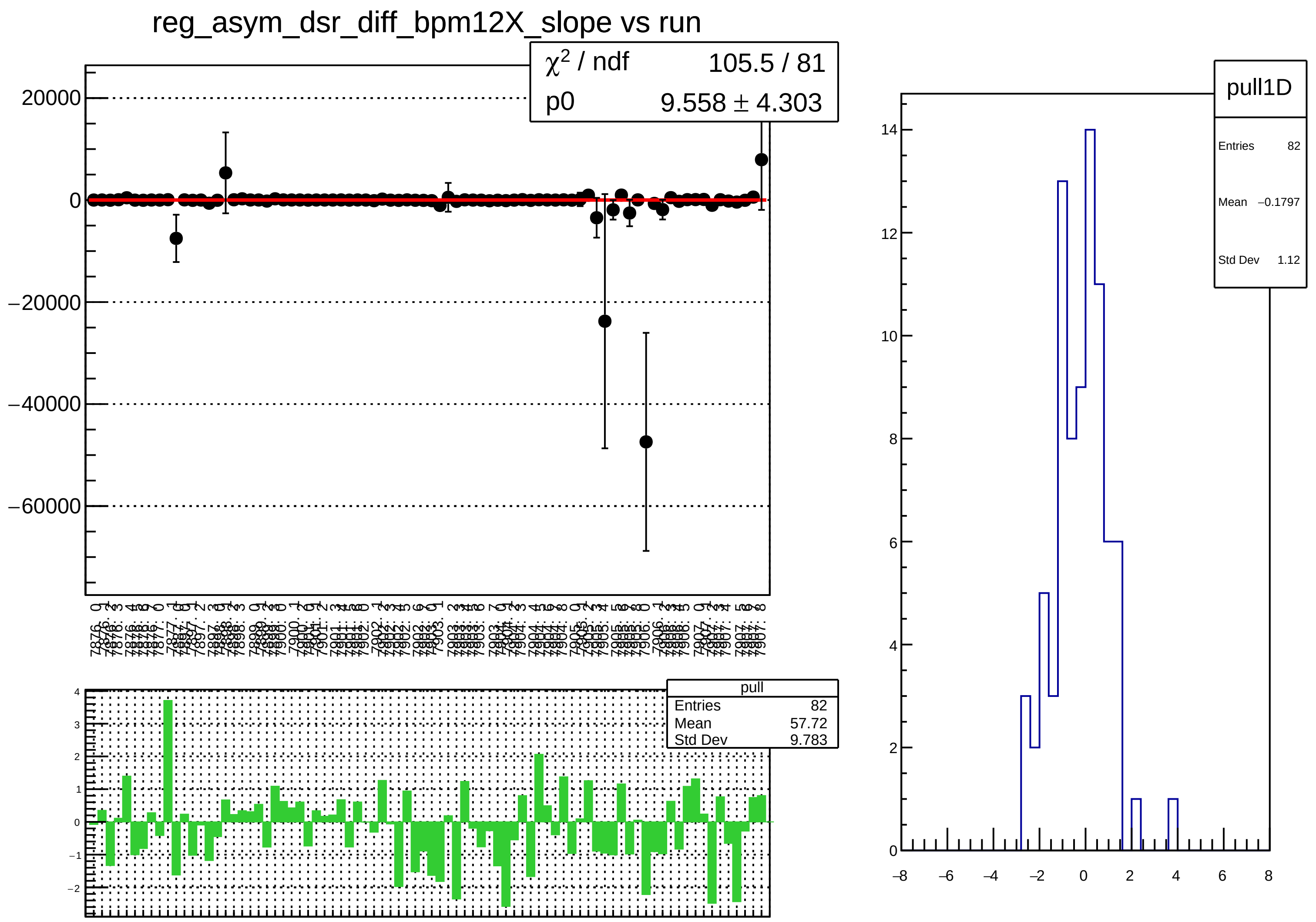


reg_asym_dsr_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 70.79 / 81
p0 −19.19 ± 95.44
1400
1200
1000
800
600
400
200
0
−200
−400
pull
Entries 82
Mean 137.1
Std Dev 94.55
pull1D
Entries 82
Mean 0.01112
Std Dev 0.9291

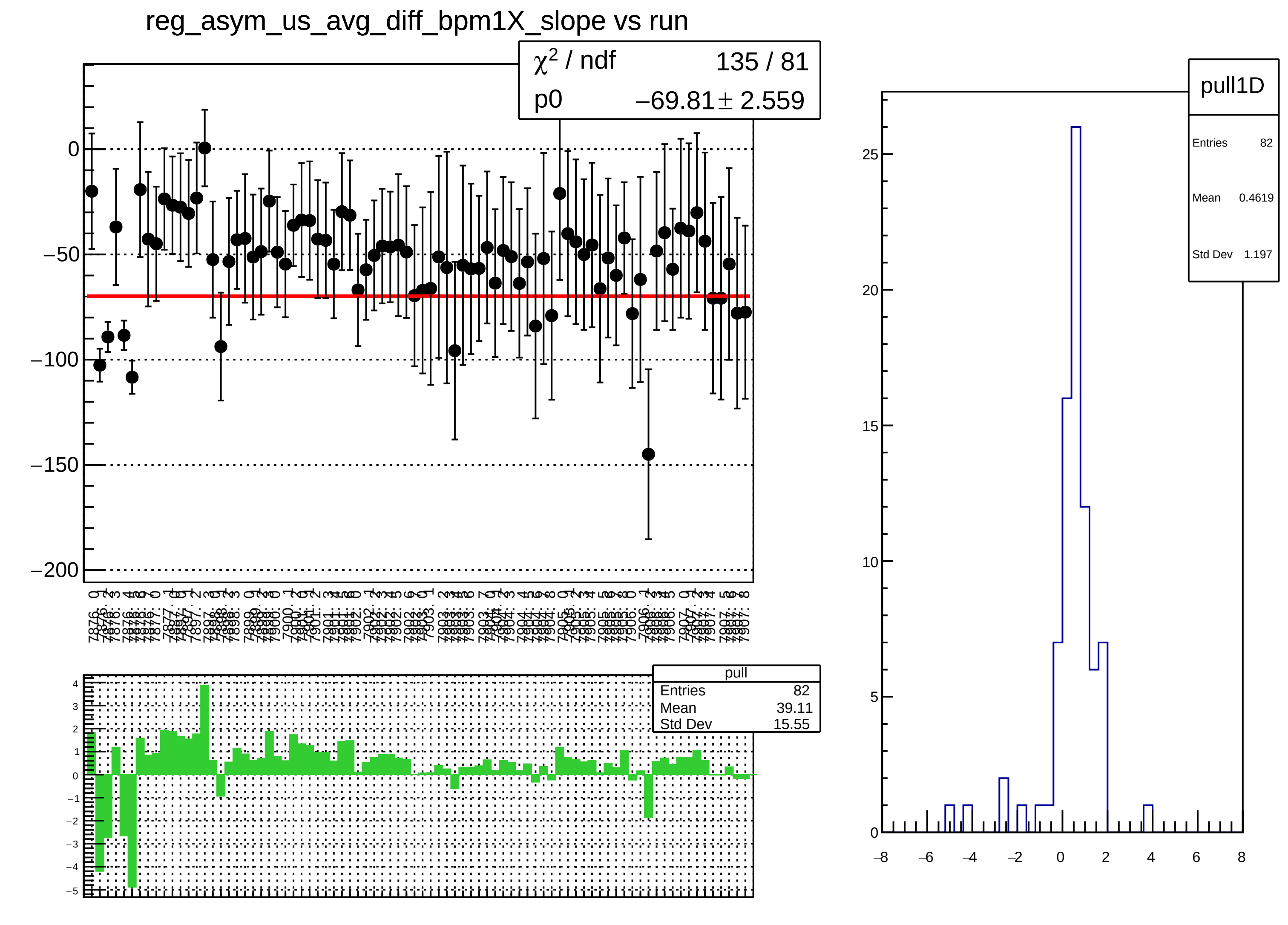


reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 78.69 / 81
p0 −58.01 ± 67.48
800
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean 66.17
Std Dev 30.95
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0651
Std Dev 0.9774
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

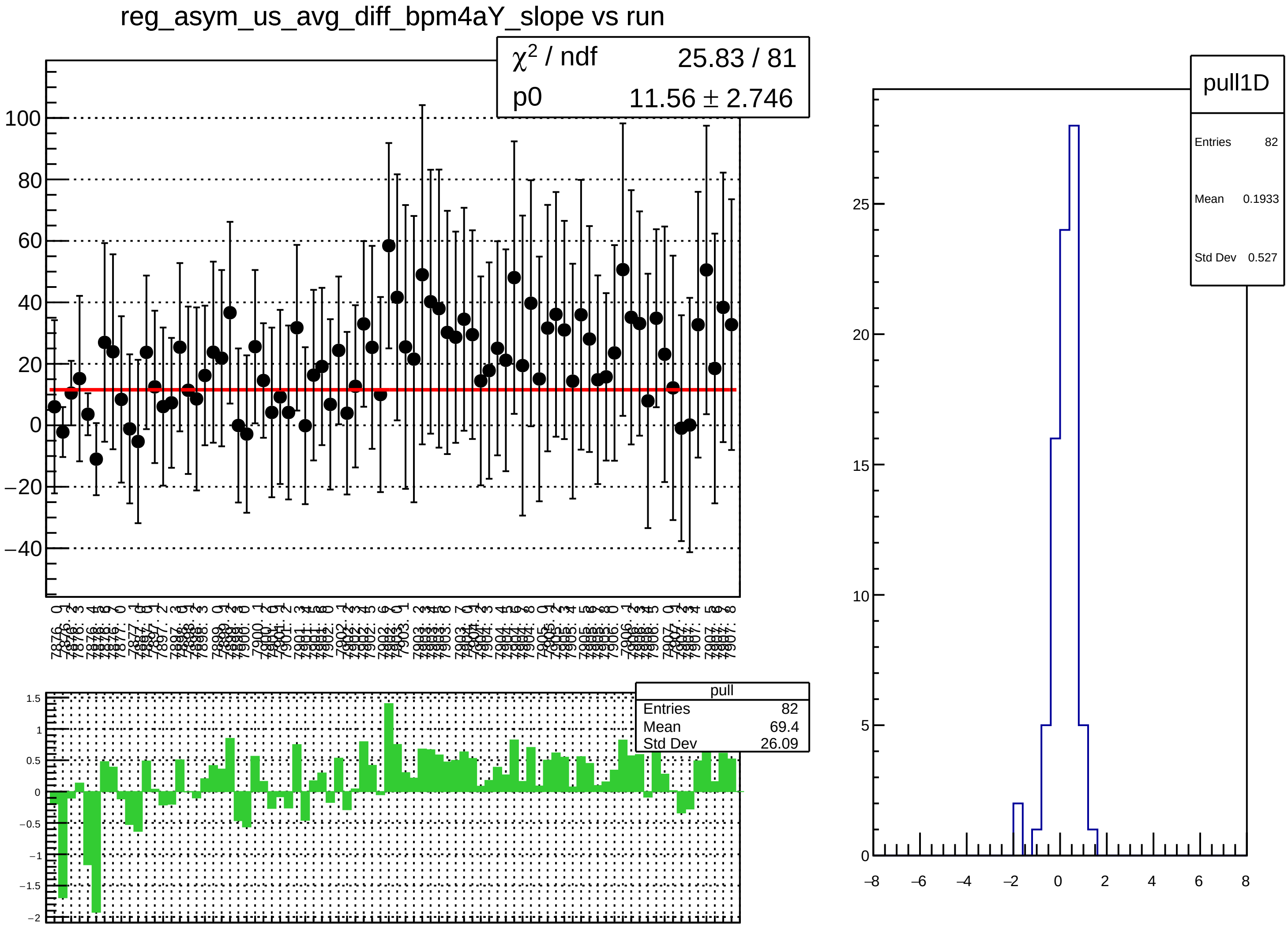

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 72 / 81
p0 0.9611 ± 122.1
500
0
−500
−1000
−1500
pull
Entries 82
Mean 92.97
Std Dev 46.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.01743
Std Dev 0.9369
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



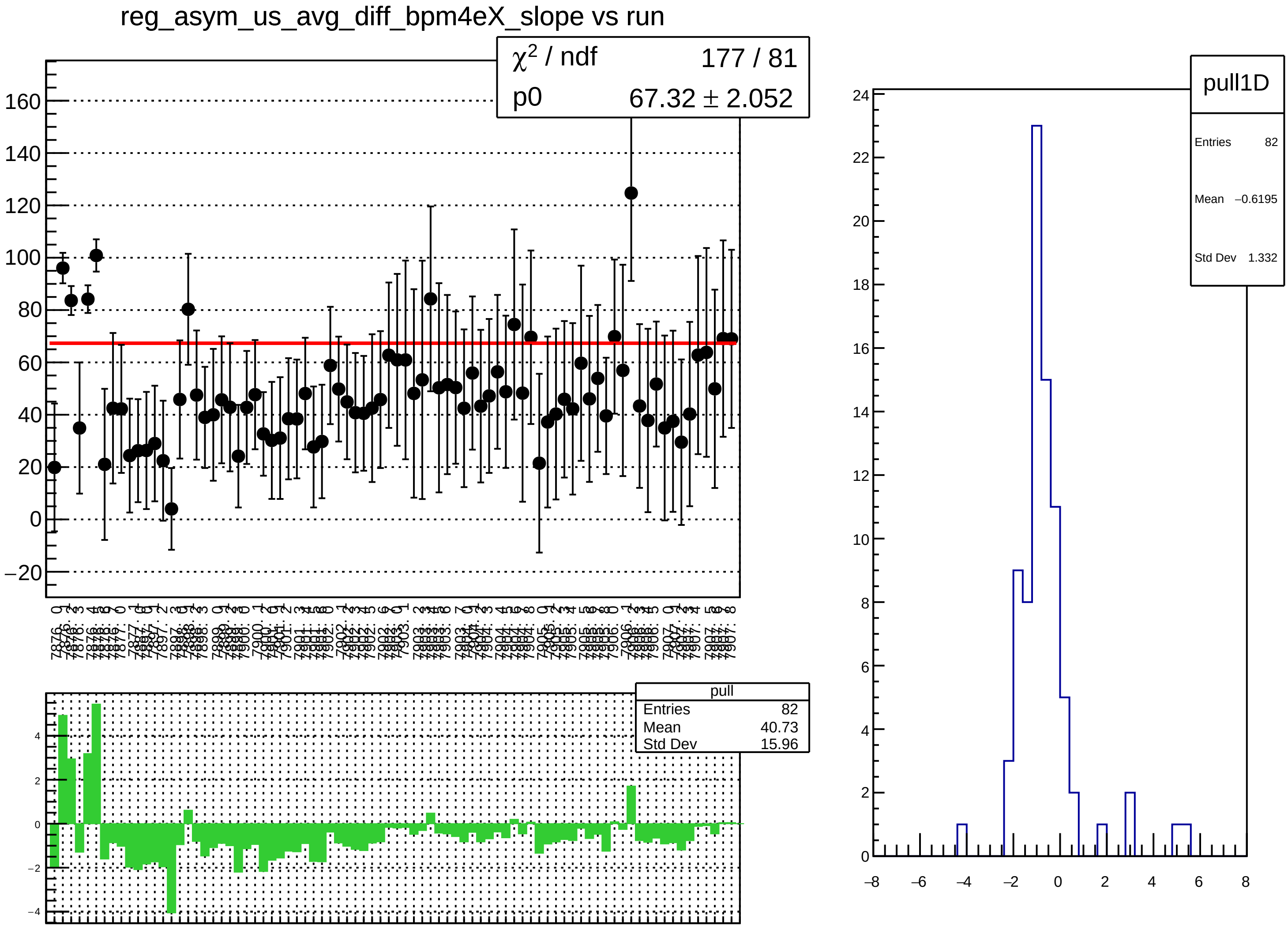
reg_asym_dsr_diff_bpm12X_slope vs run
χ2 / ndf 105.5 / 81
p0 9.558 ± 4.303
pull
Entries 82
Mean 57.72
Std Dev 9.783
pull1D
Entries 82
Mean −0.1797
Std Dev 1.12



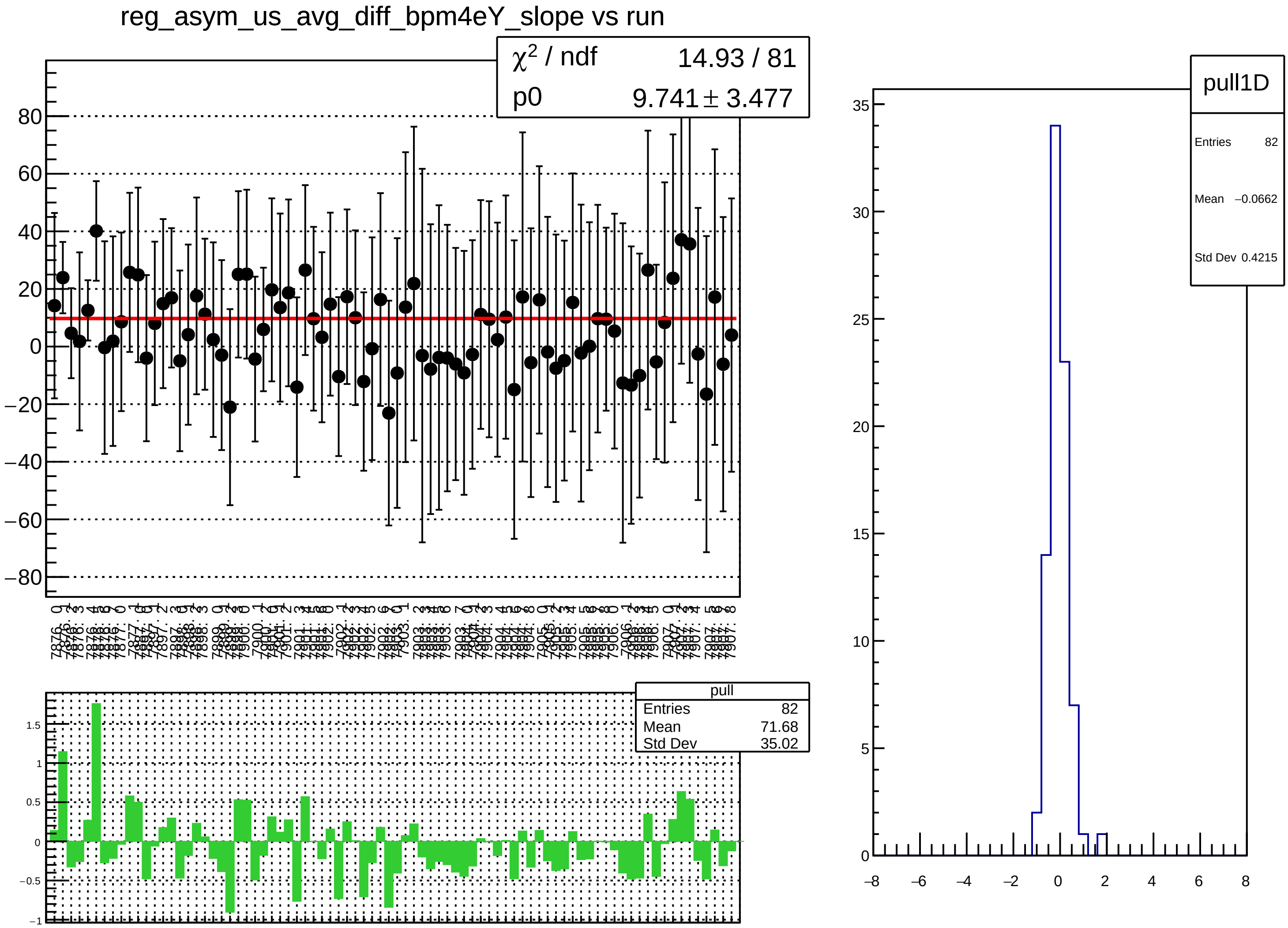
reg_asym_us_avg_diff_bpm1X_slope vs run
χ2 / ndf 135 / 81
p0 −69.81 ± 2.559
0
−50
−100
−150
−200
pull
Entries 82
Mean 39.11
Std Dev 15.55
pull1D
Entries 82
Mean 0.4619
Std Dev 1.197



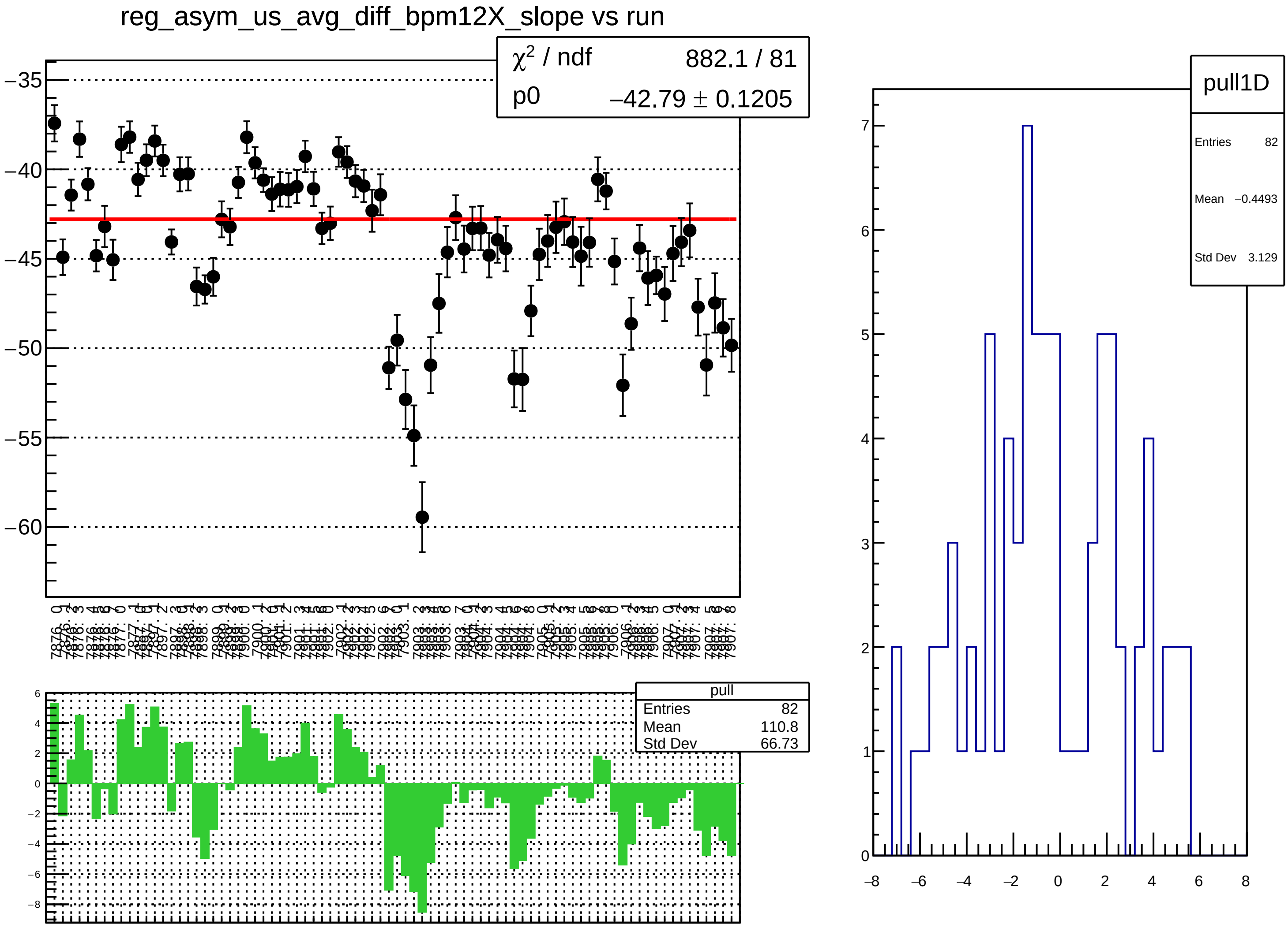
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 25.83 / 81
p0 11.56 ± 2.746
pull
Entries 82
Mean 69.4
Std Dev 26.09
pull1D
Entries 82
Mean 0.1933
Std Dev 0.527



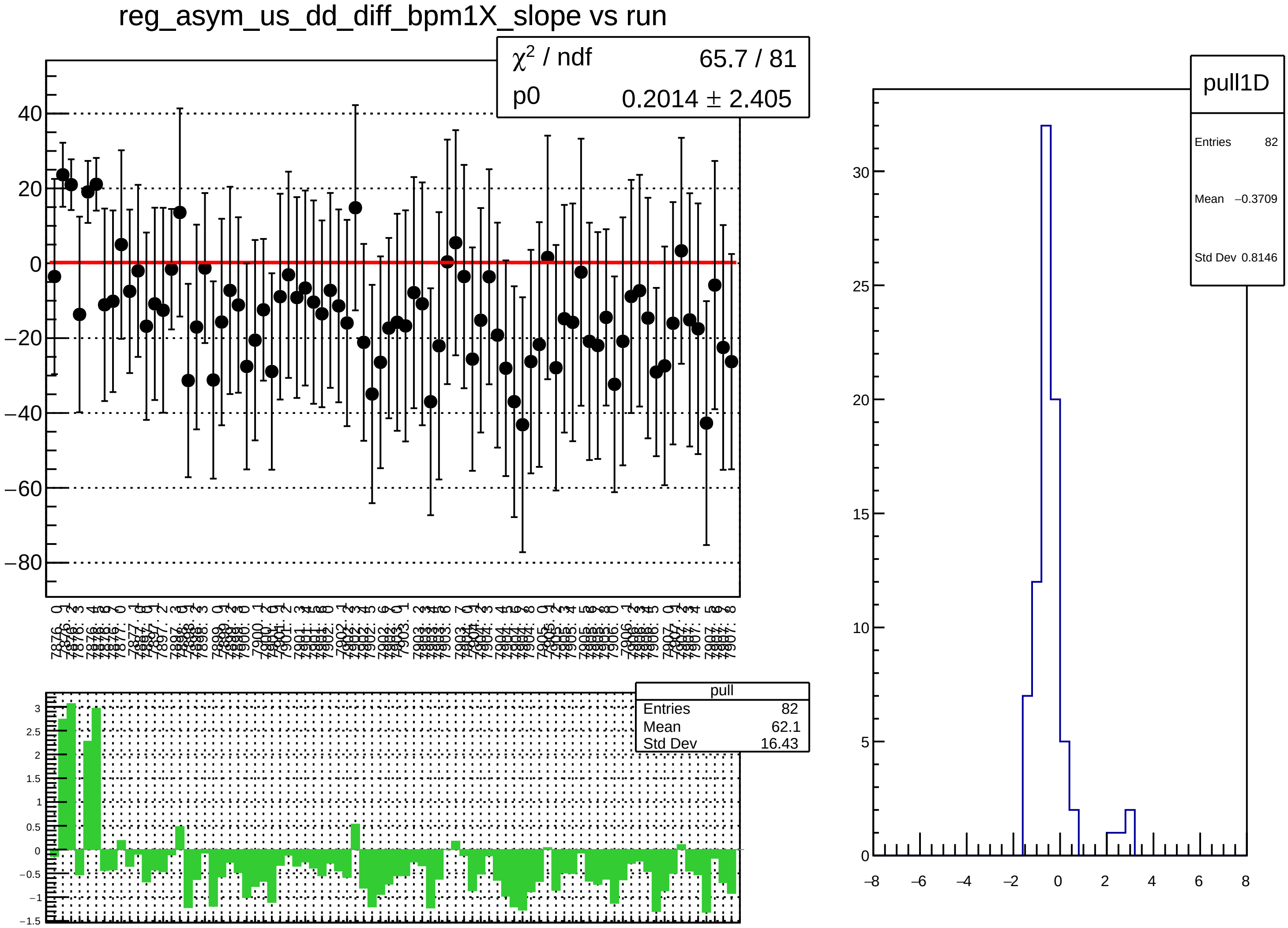
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 177 / 81
p0 67.32 ± 2.052
160
140
120
100
80
60
40
20
0
−20
pull
Entries 82
Mean 40.73
Std Dev 15.96
4
2
0
−2
−4
pull1D
Entries 82
Mean −0.6195
Std Dev 1.332
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



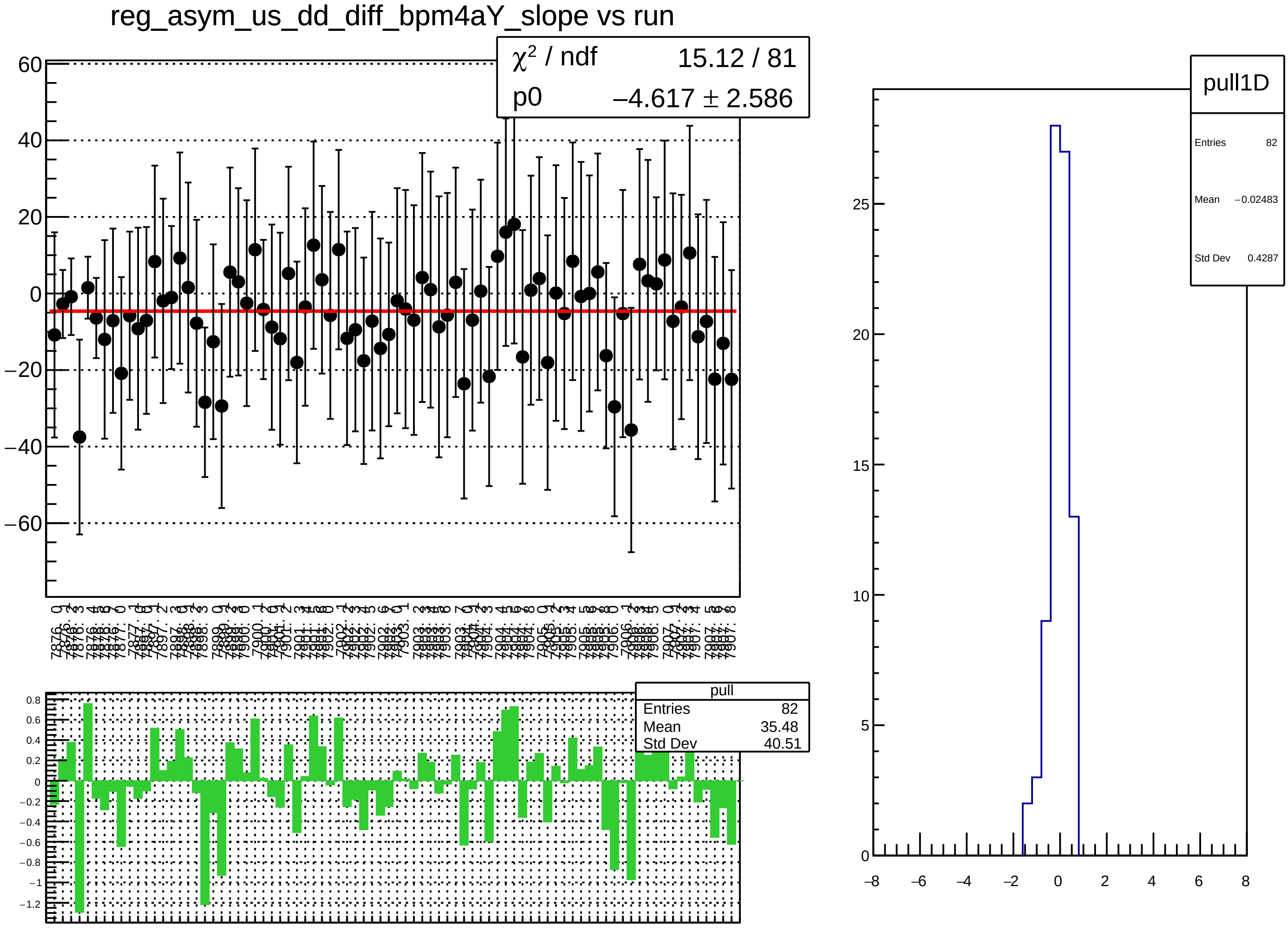
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.93 / 81
p0 9.741 ± 3.477
pull
Entries 82
Mean 71.68
Std Dev 35.02
pull1D
Entries 82
Mean −0.0662
Std Dev 0.4215



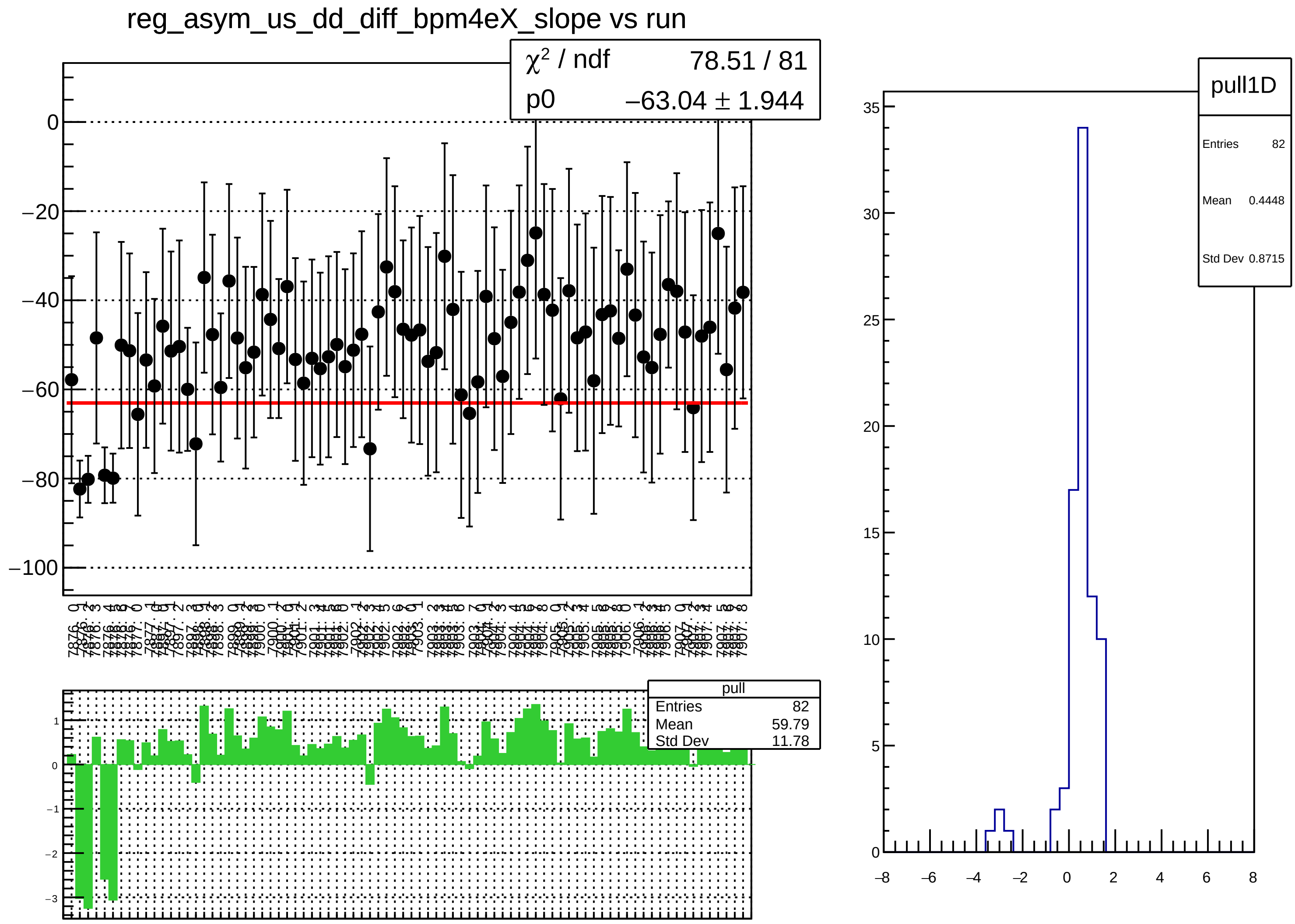
reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 882.1 / 81
p0 −42.79 ± 0.1205
pull
Entries 82
Mean 110.8
Std Dev 66.73
pull1D
Entries 82
Mean −0.4493
Std Dev 3.129



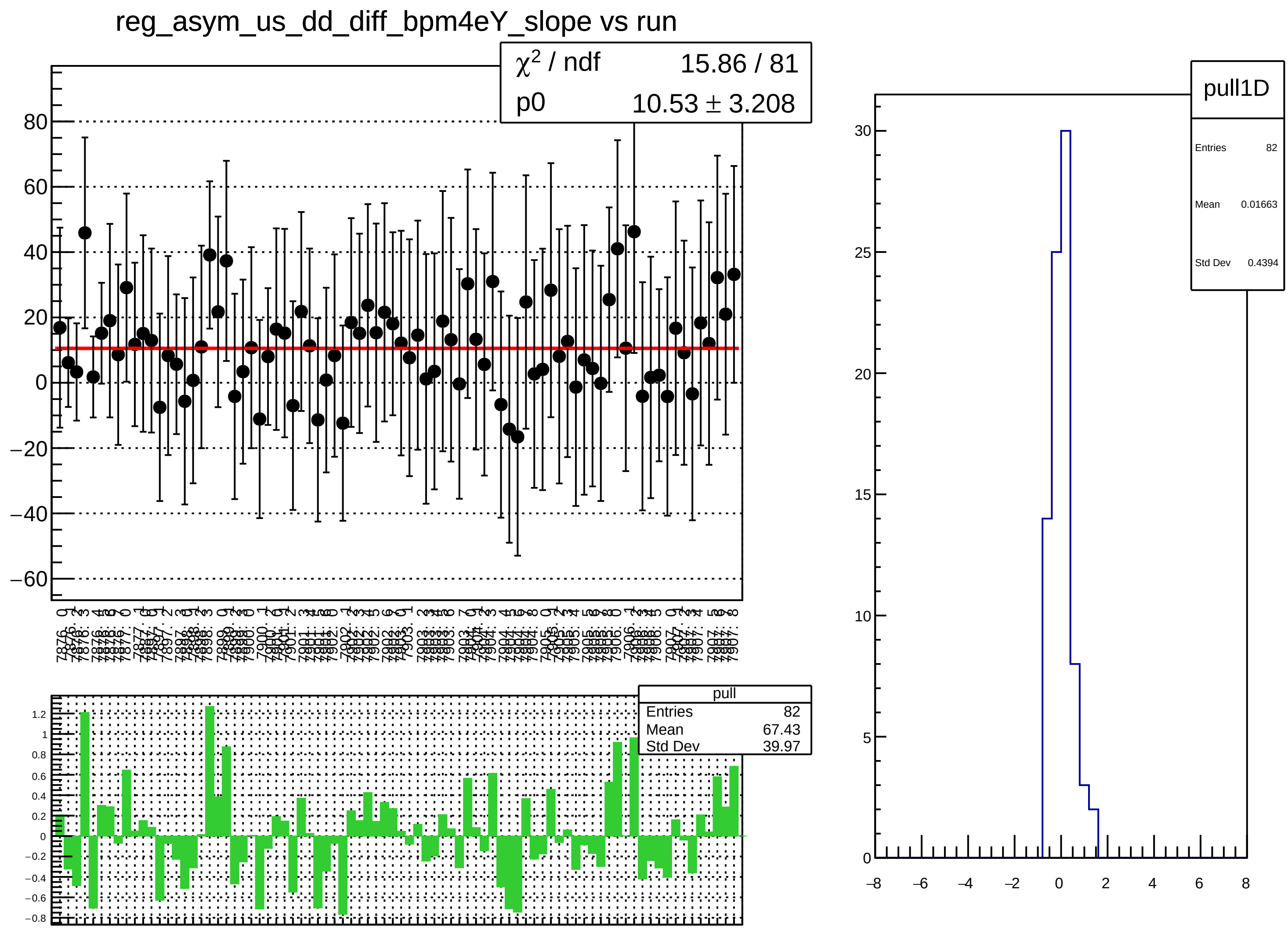
reg_asym_us_dd_diff_bpm1X_slope vs run
χ2 / ndf 65.7 / 81
p0 0.2014 ± 2.405
pull
Entries 82
Mean 62.1
Std Dev 16.43
pull1D
Entries 82
Mean −0.3709
Std Dev 0.8146



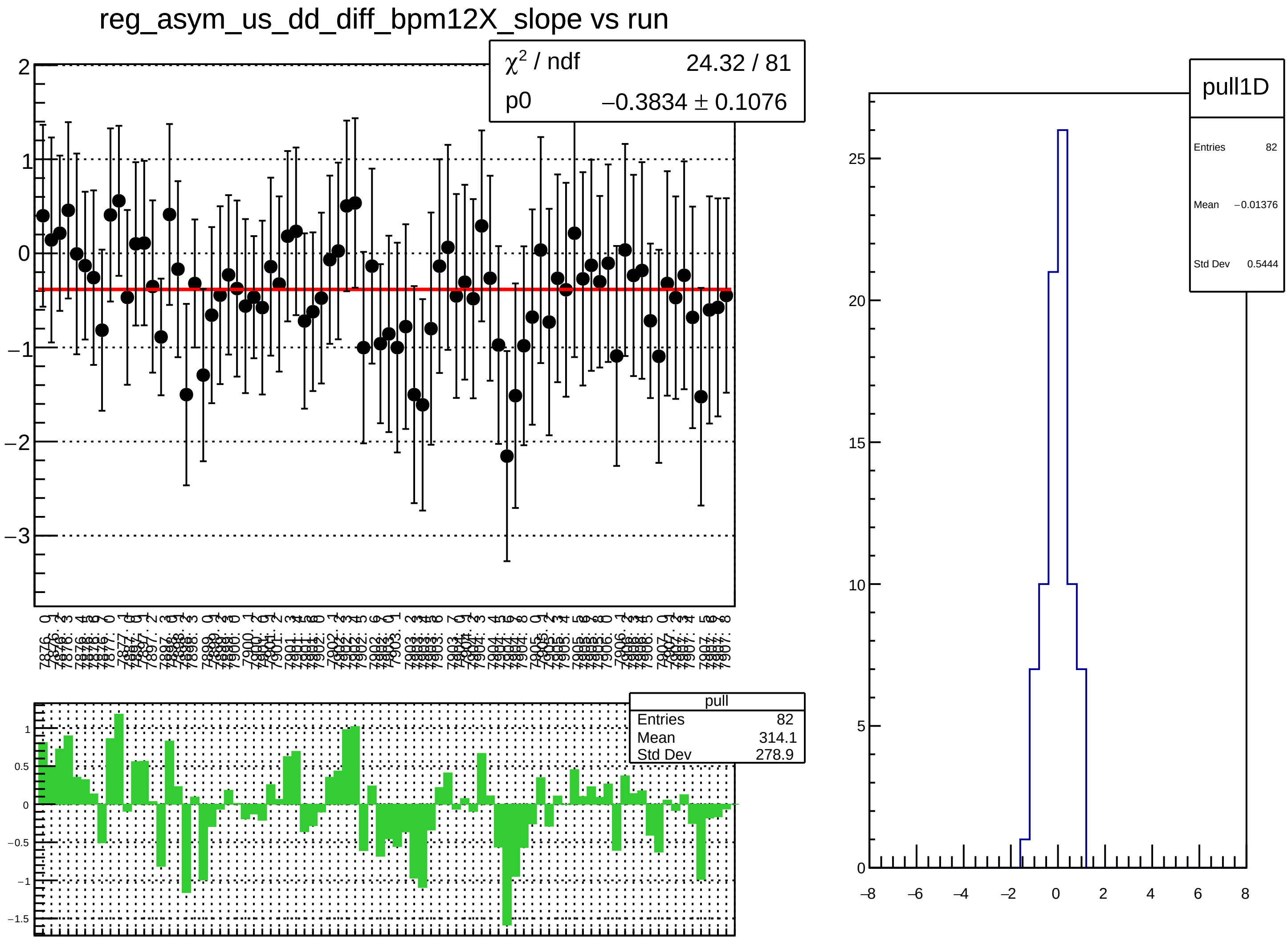
reg_asym_us_dd_diff_bpm4aY_slope vs run
χ2 / ndf 15.12 / 81
p0 −4.617 ± 2.586
pull
Entries 82
Mean 35.48
Std Dev 40.51
pull1D
Entries 82
Mean −0.02483
Std Dev 0.4287



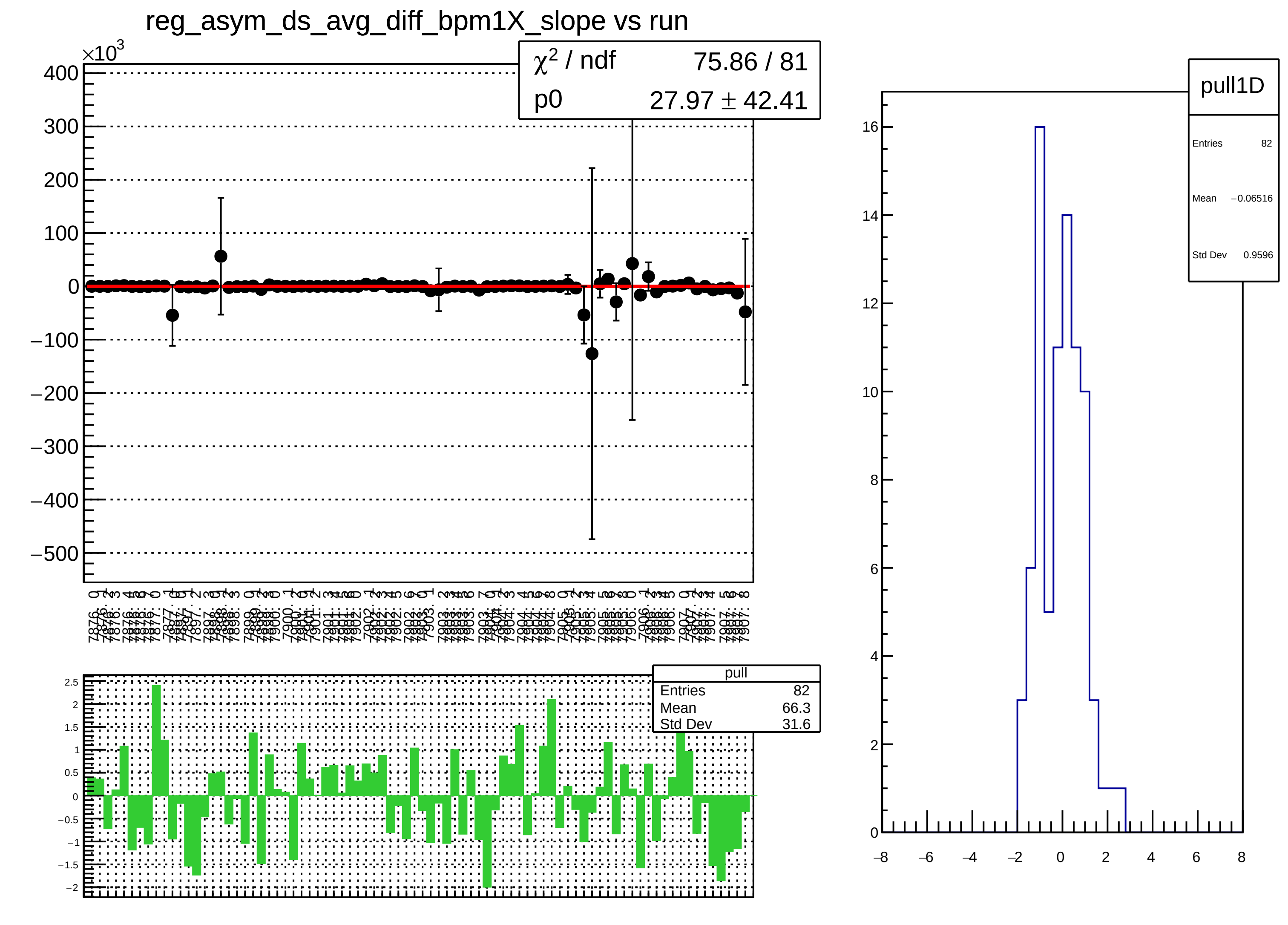
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ2 / ndf 78.51 / 81
p0 −63.04 ± 1.944
pull
Entries 82
Mean 59.79
Std Dev 11.78
pull1D
Entries 82
Mean 0.4448
Std Dev 0.8715



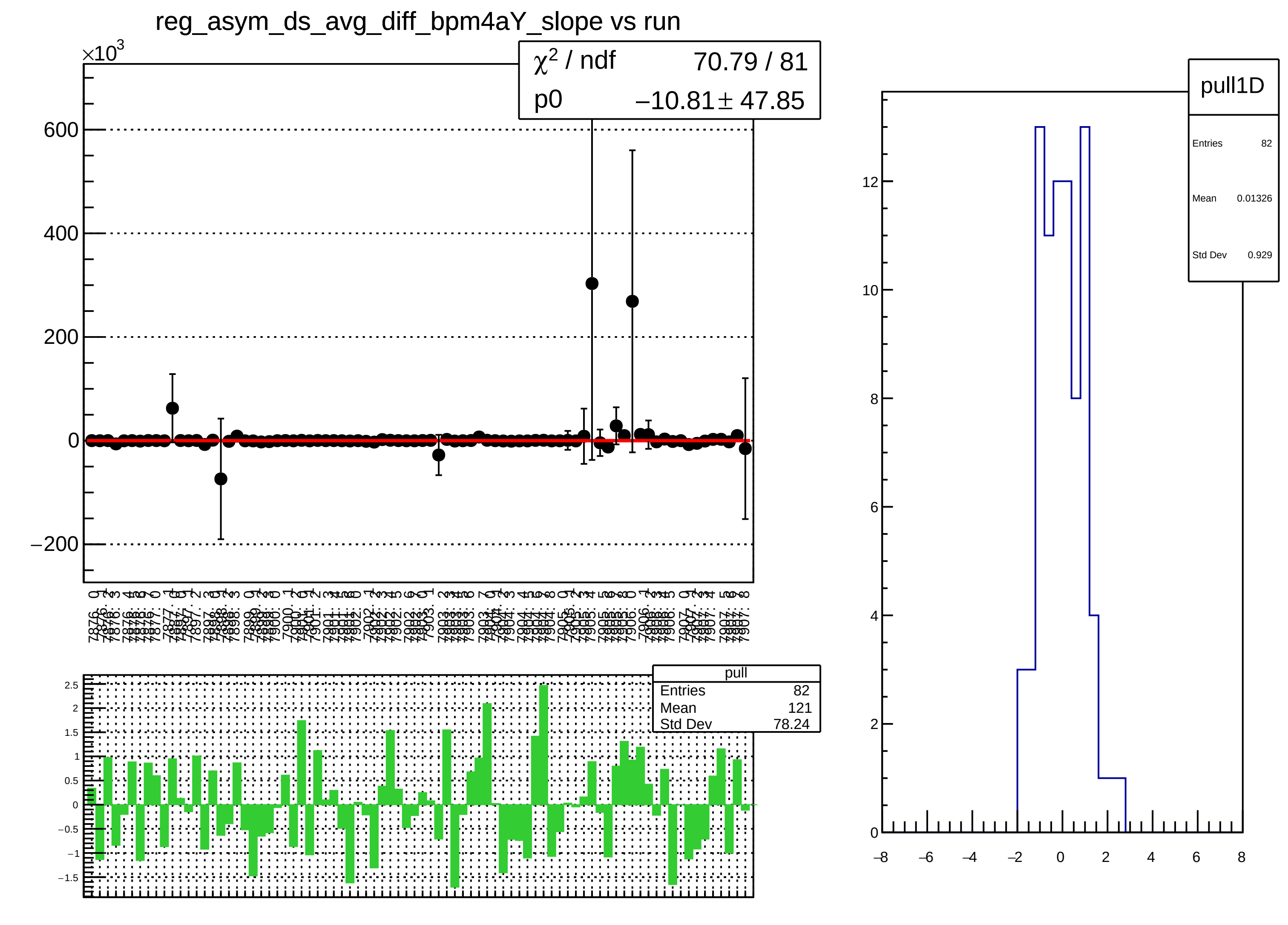
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ2 / ndf 15.86 / 81
p0 10.53 ± 3.208
pull
Entries 82
Mean 67.43
Std Dev 39.97
pull1D
Entries 82
Mean 0.01663
Std Dev 0.4394



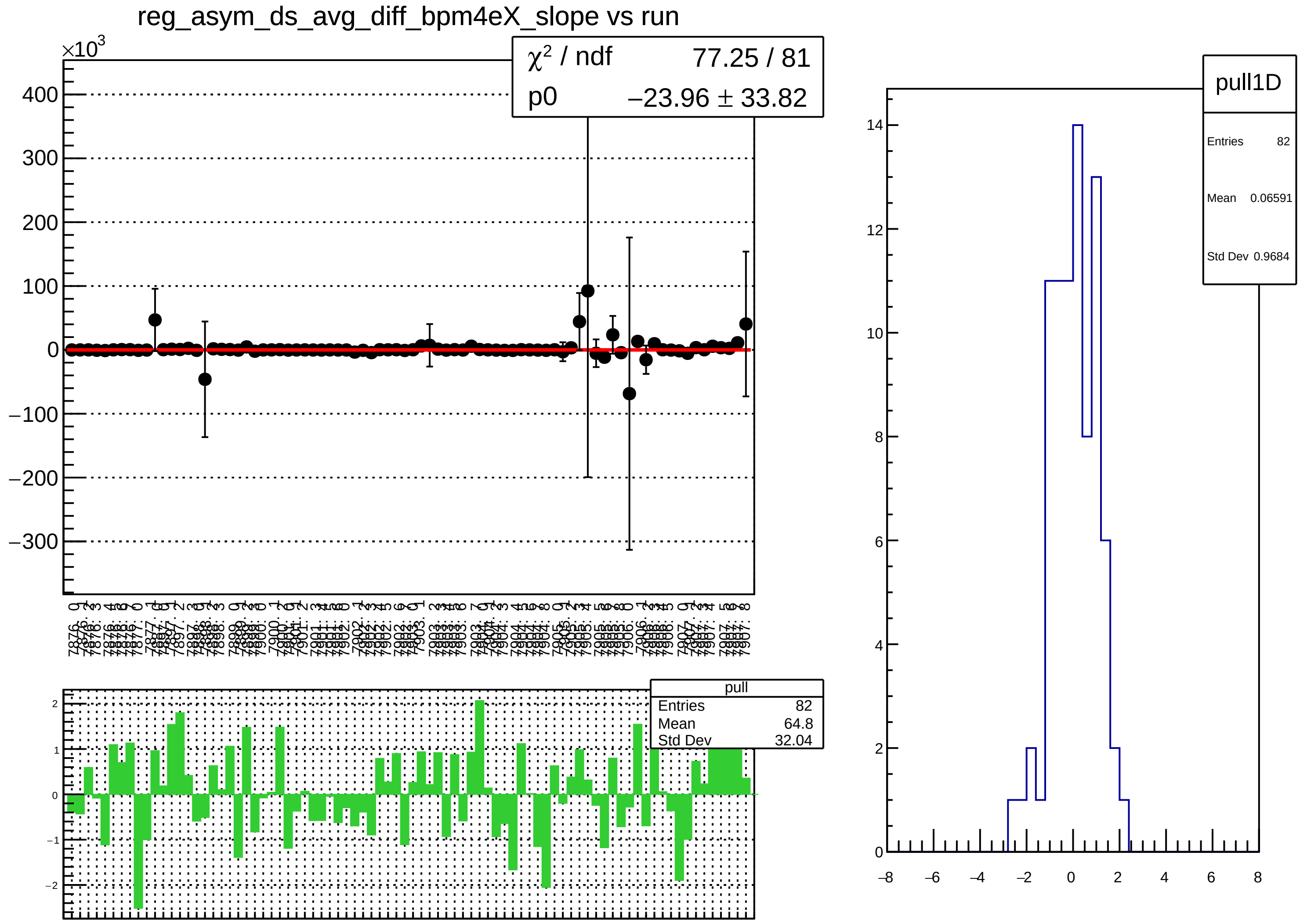
reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.32 / 81
p0 −0.3834 ± 0.1076
pull
Entries 82
Mean 314.1
Std Dev 278.9
pull1D
Entries 82
Mean −0.01376
Std Dev 0.5444



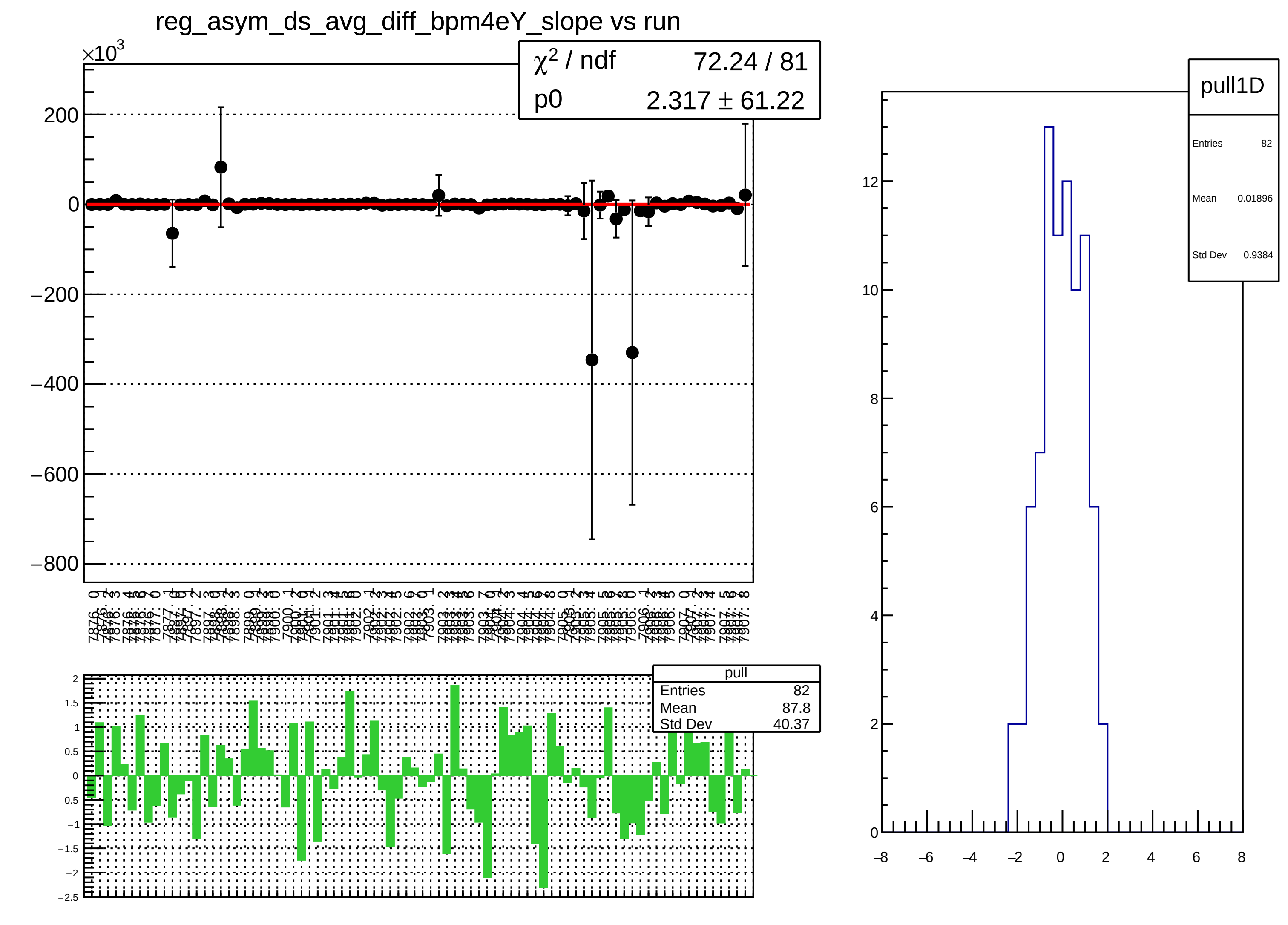
reg_asym_ds_avg_diff_bpm1X_slope vs run
χ2 / ndf 75.86 / 81
p0 27.97 ± 42.41
pull
Entries 82
Mean 66.3
Std Dev 31.6
pull1D
Entries 82
Mean −0.06516
Std Dev 0.9596

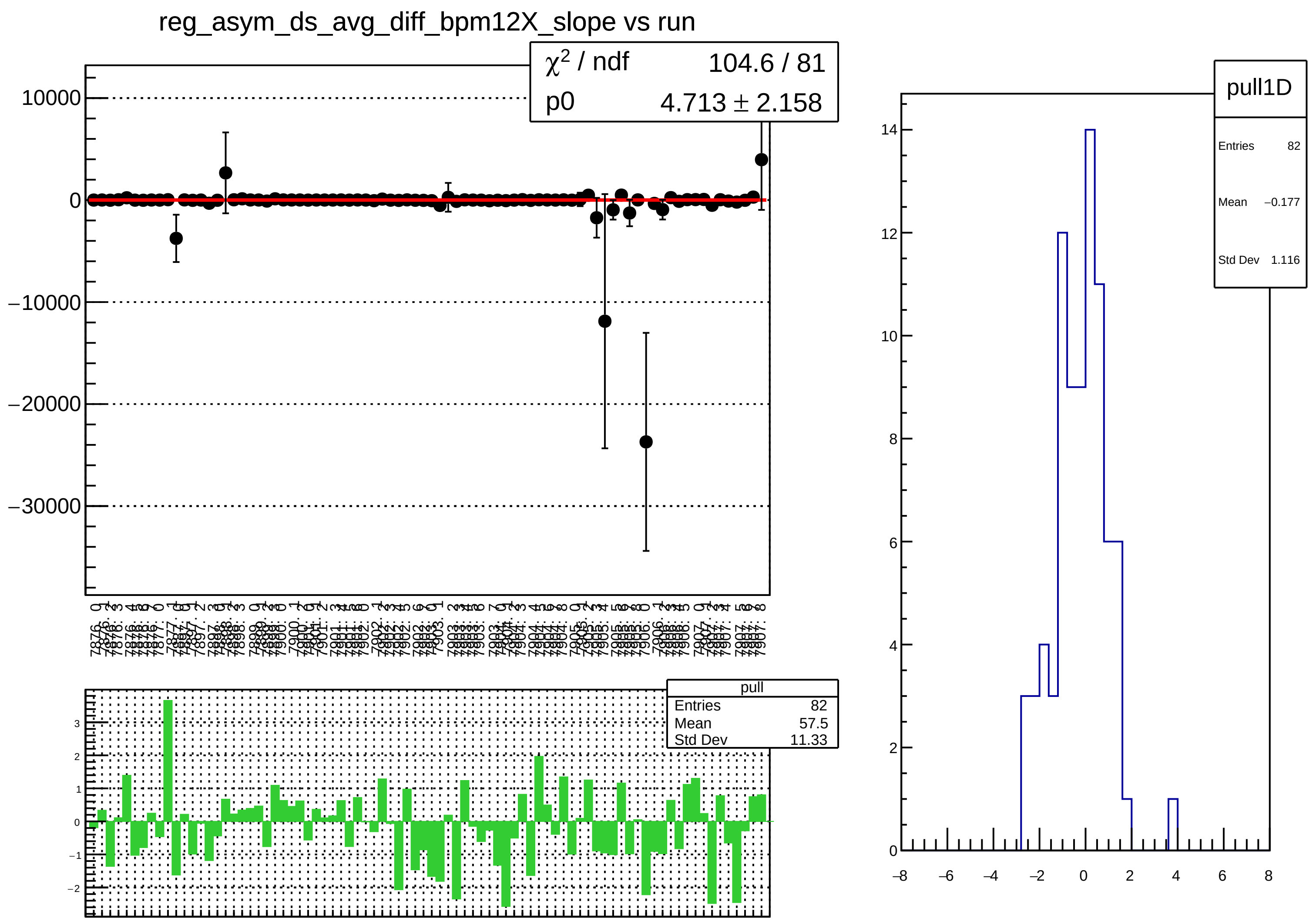


reg_asym_ds_avg_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 70.79 / 81
p0 −10.81 ± 47.85
pull
Entries 82
Mean 121
Std Dev 78.24
pull1D
Entries 82
Mean 0.01326
Std Dev 0.929

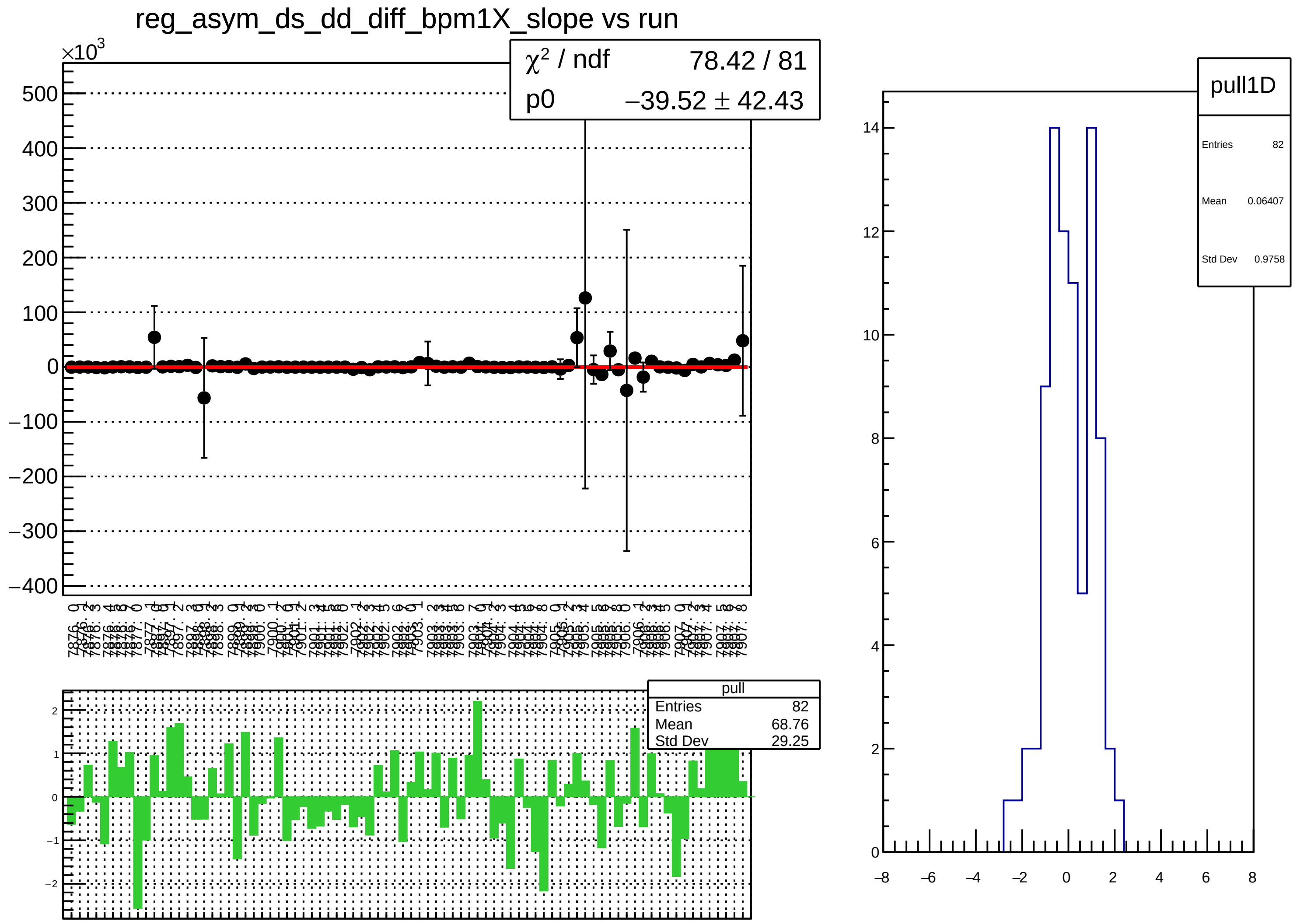


reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 77.25 / 81
p0 −23.96 ± 33.82
×10^3
pull
Entries 82
Mean 64.8
Std Dev 32.04
pull1D
Entries 82
Mean 0.06591
Std Dev 0.9684

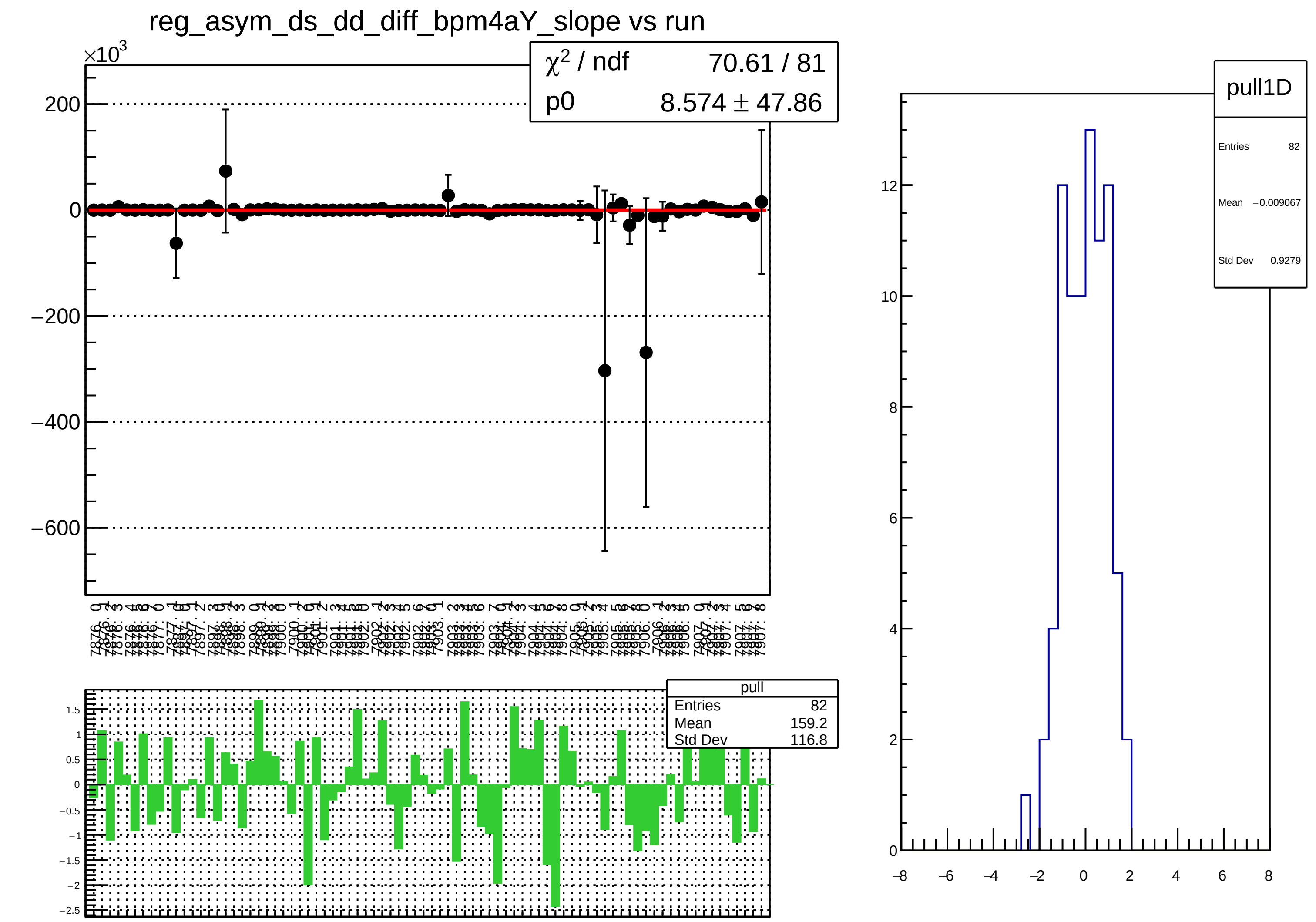

reg_asym_ds_avg_diff_bpm4eY_slope vs run
$\times 10^3$
χ^2 / ndf 72.24 / 81
p0 2.317 ± 61.22
pull
Entries 82
Mean 87.8
Std Dev 40.37
pull1D
Entries 82
Mean −0.01896
Std Dev 0.9384



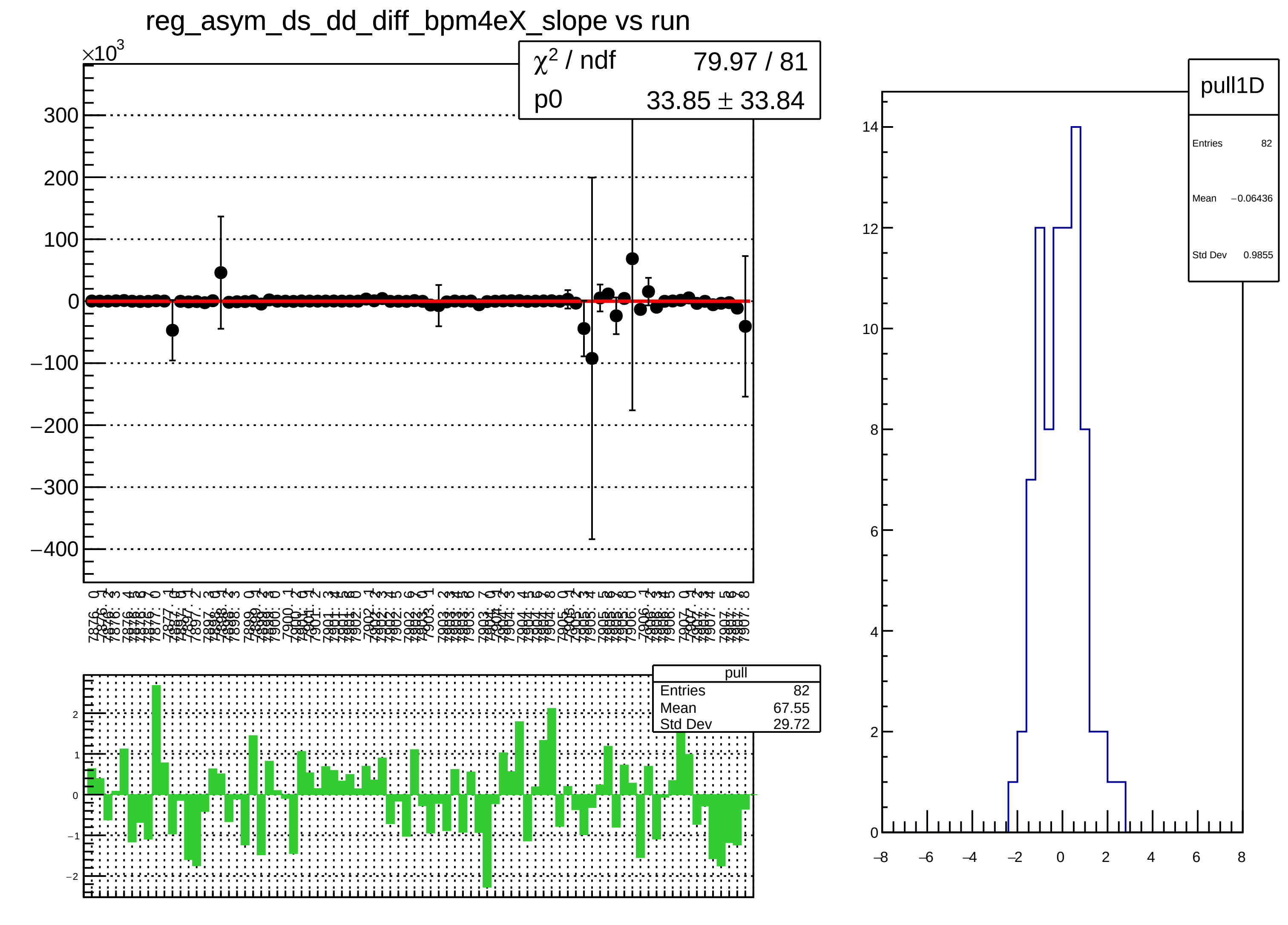
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ2 / ndf 104.6 / 81
p0 4.713 ± 2.158
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 57.5
Std Dev 11.33
pull1D
Entries 82
Mean −0.177
Std Dev 1.116



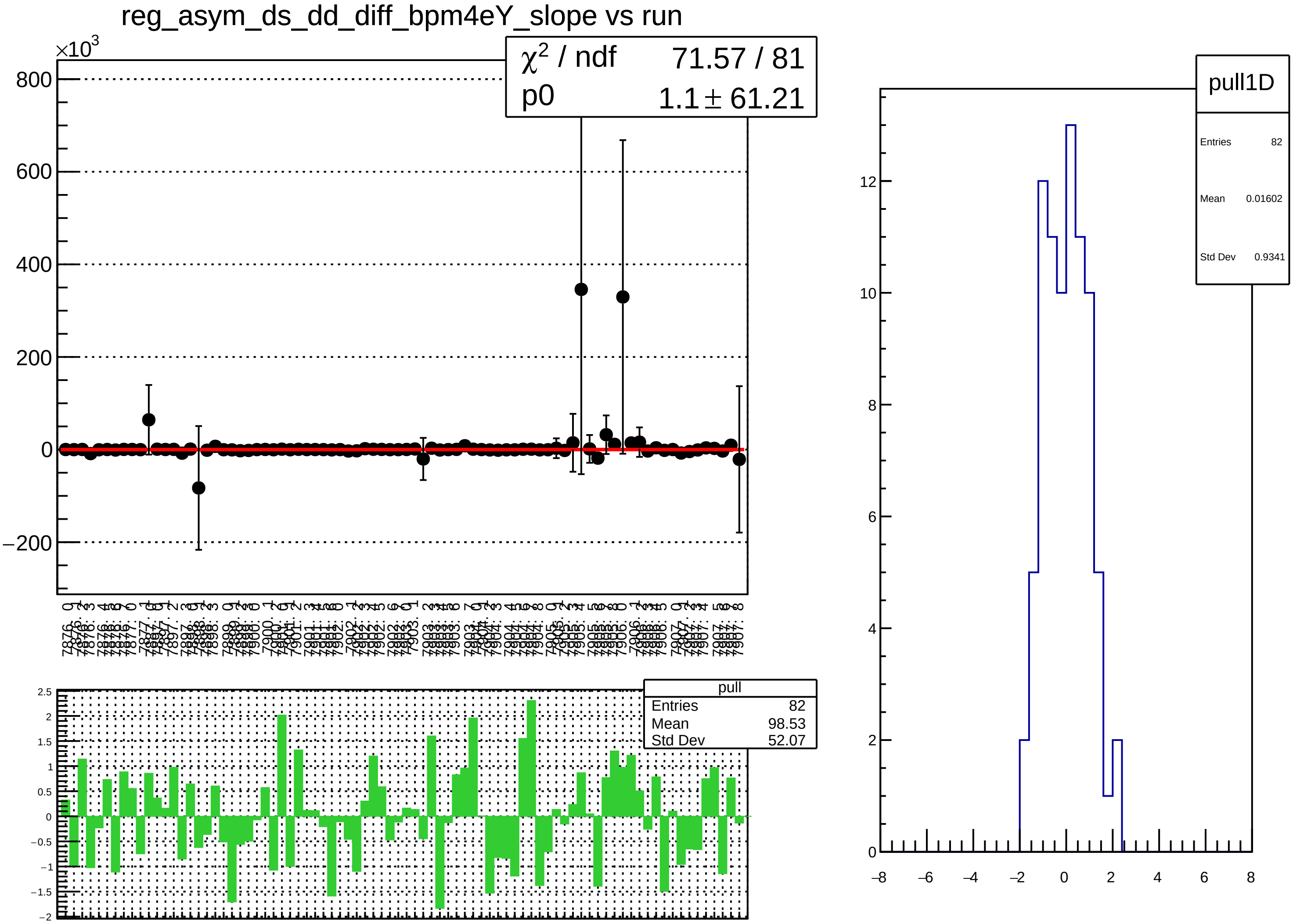
reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 78.42 / 81
p0 −39.52 ± 42.43
500
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 82
Mean 68.76
Std Dev 29.25
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.06407
Std Dev 0.9758
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

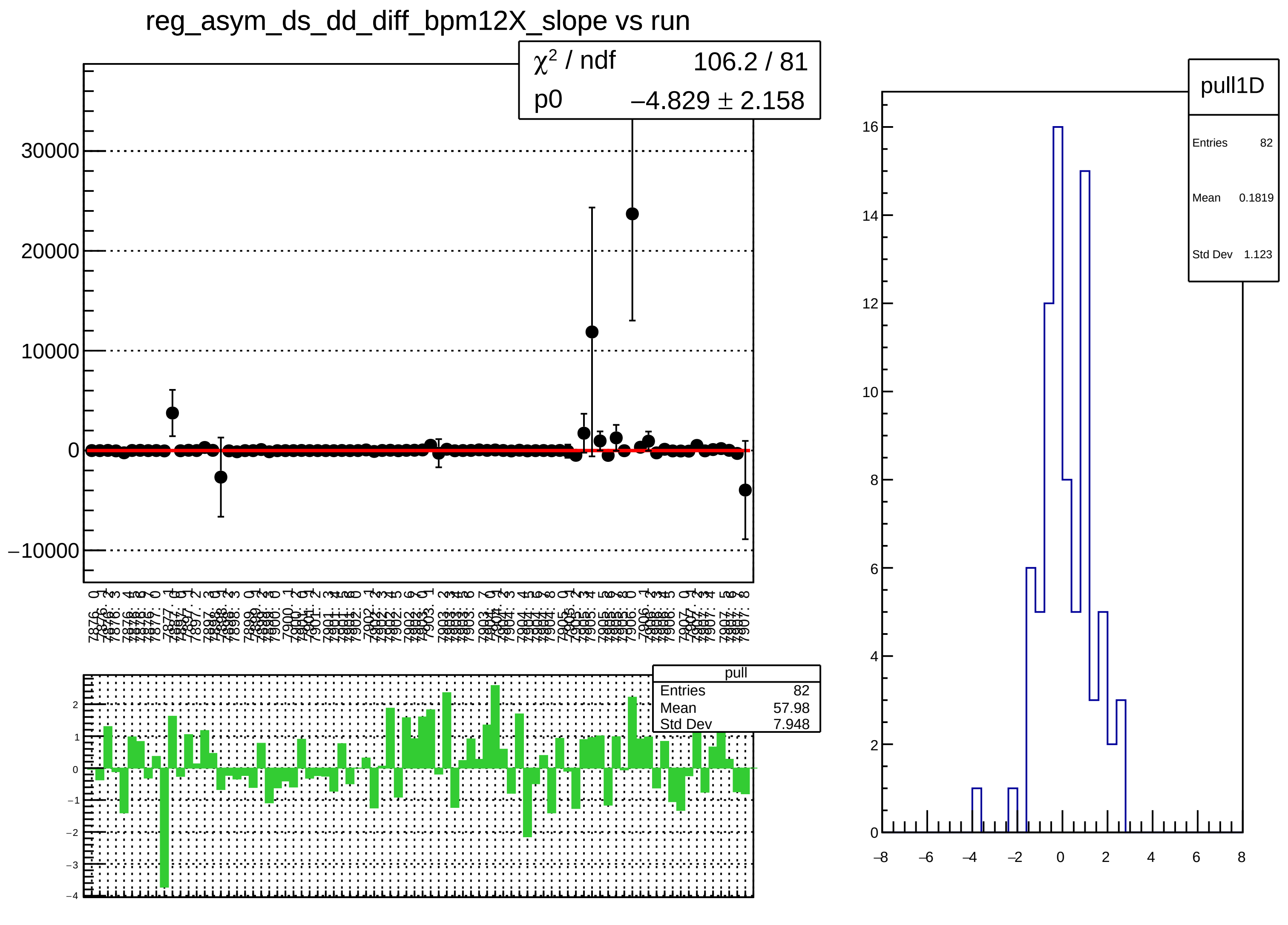


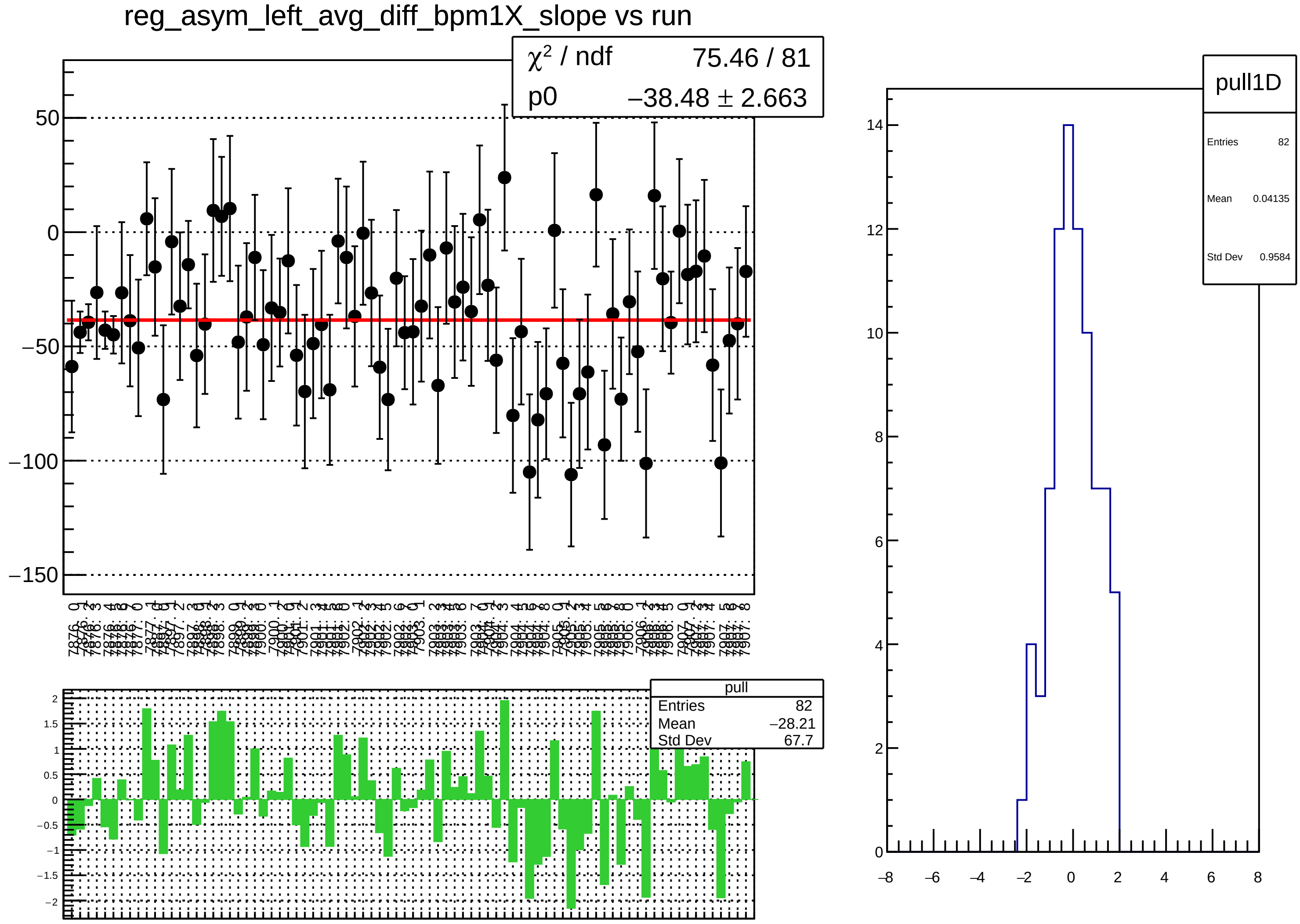
reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ2 / ndf 70.61 / 81
p0 8.574 ± 47.86
200
0
−200
−400
−600
pull
Entries 82
Mean 159.2
Std Dev 116.8
pull1D
Entries 82
Mean −0.009067
Std Dev 0.9279

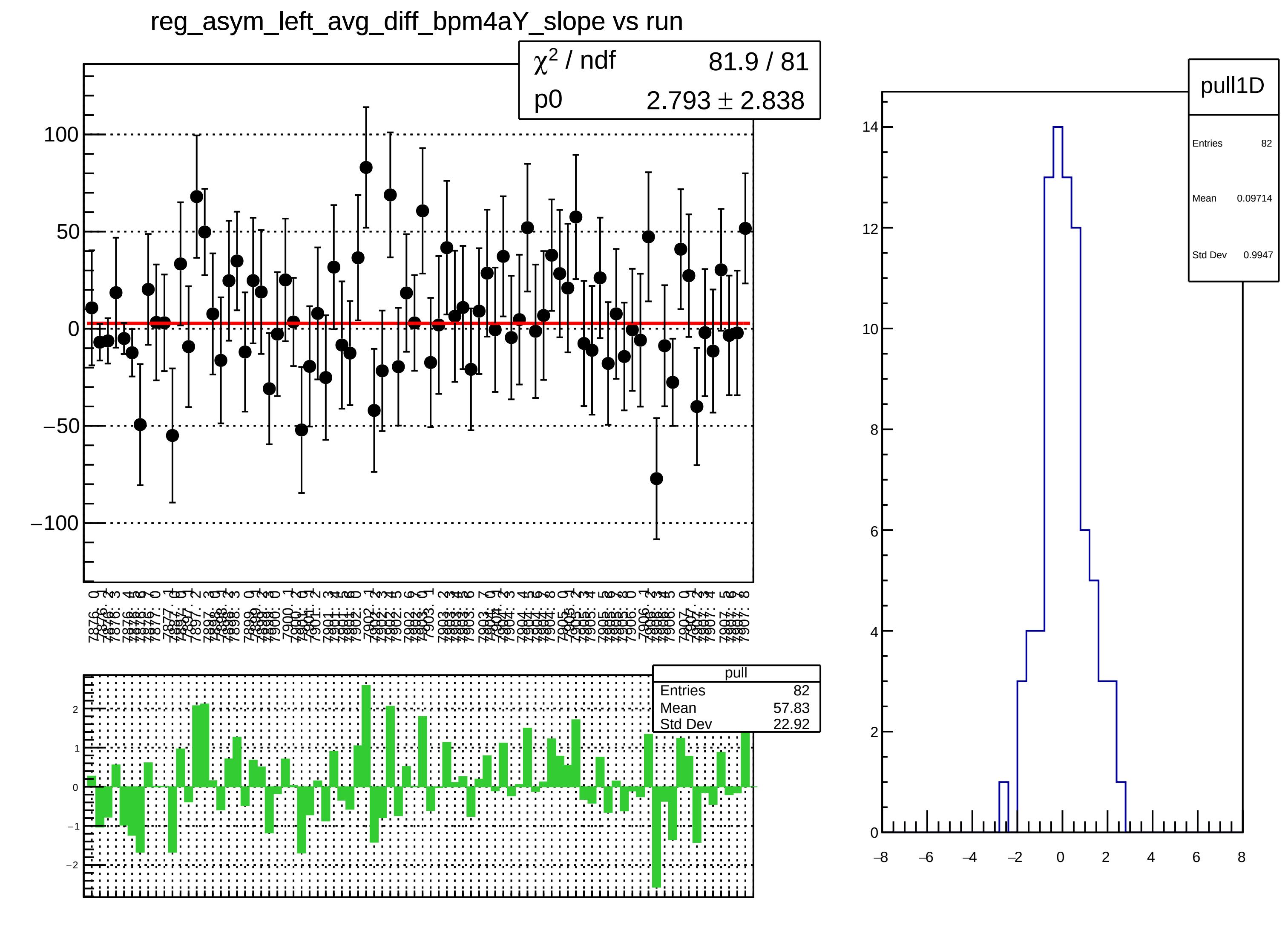


reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 79.97 / 81
p0 33.85 ± 33.84
pull
Entries 82
Mean 67.55
Std Dev 29.72
pull1D
Entries 82
Mean −0.06436
Std Dev 0.9855

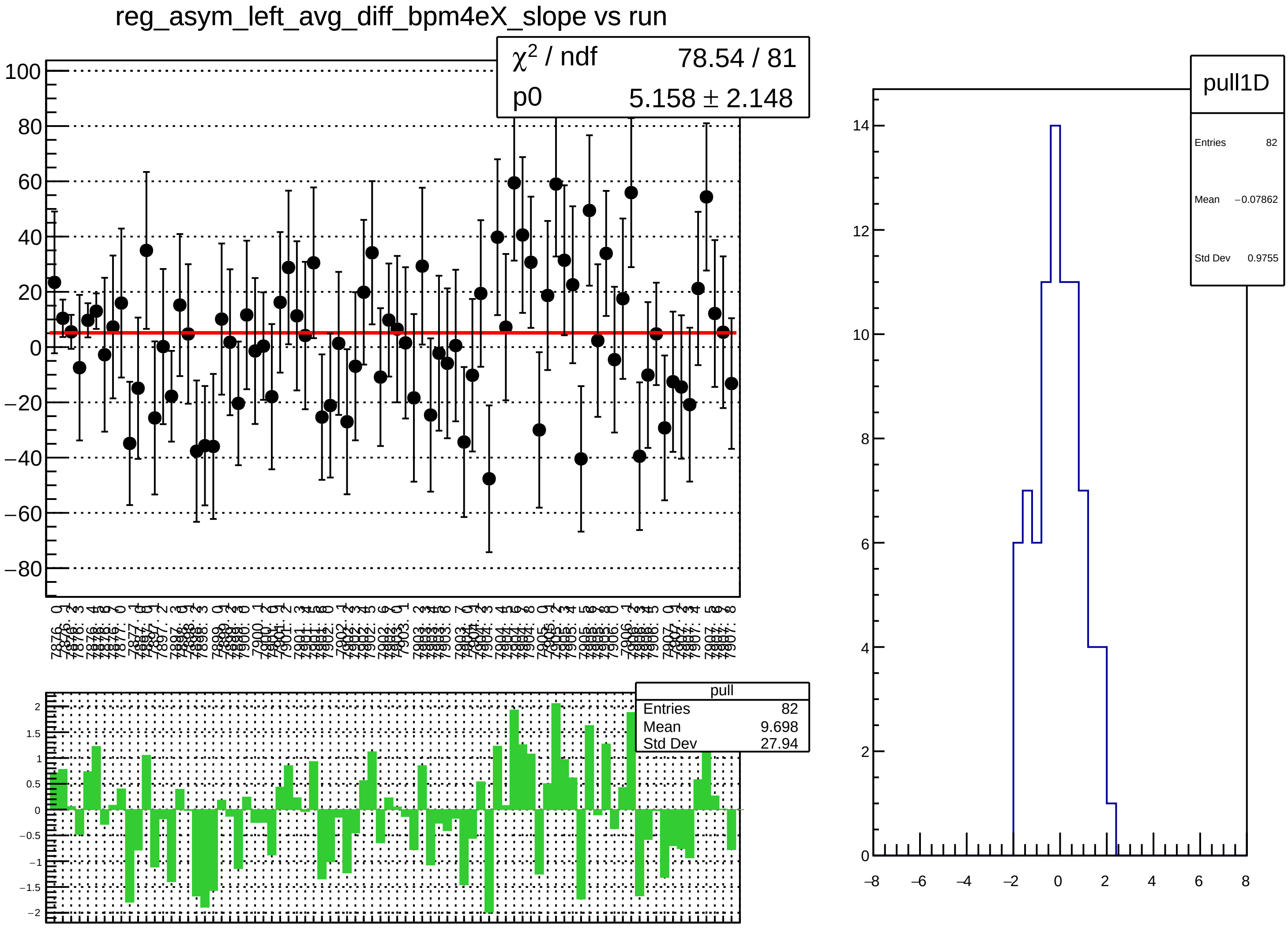

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 71.57 / 81
p0 1.1 ± 61.21
800
600
400
200
0
−200
pull
Entries 82
Mean 98.53
Std Dev 52.07
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01602
Std Dev 0.9341
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

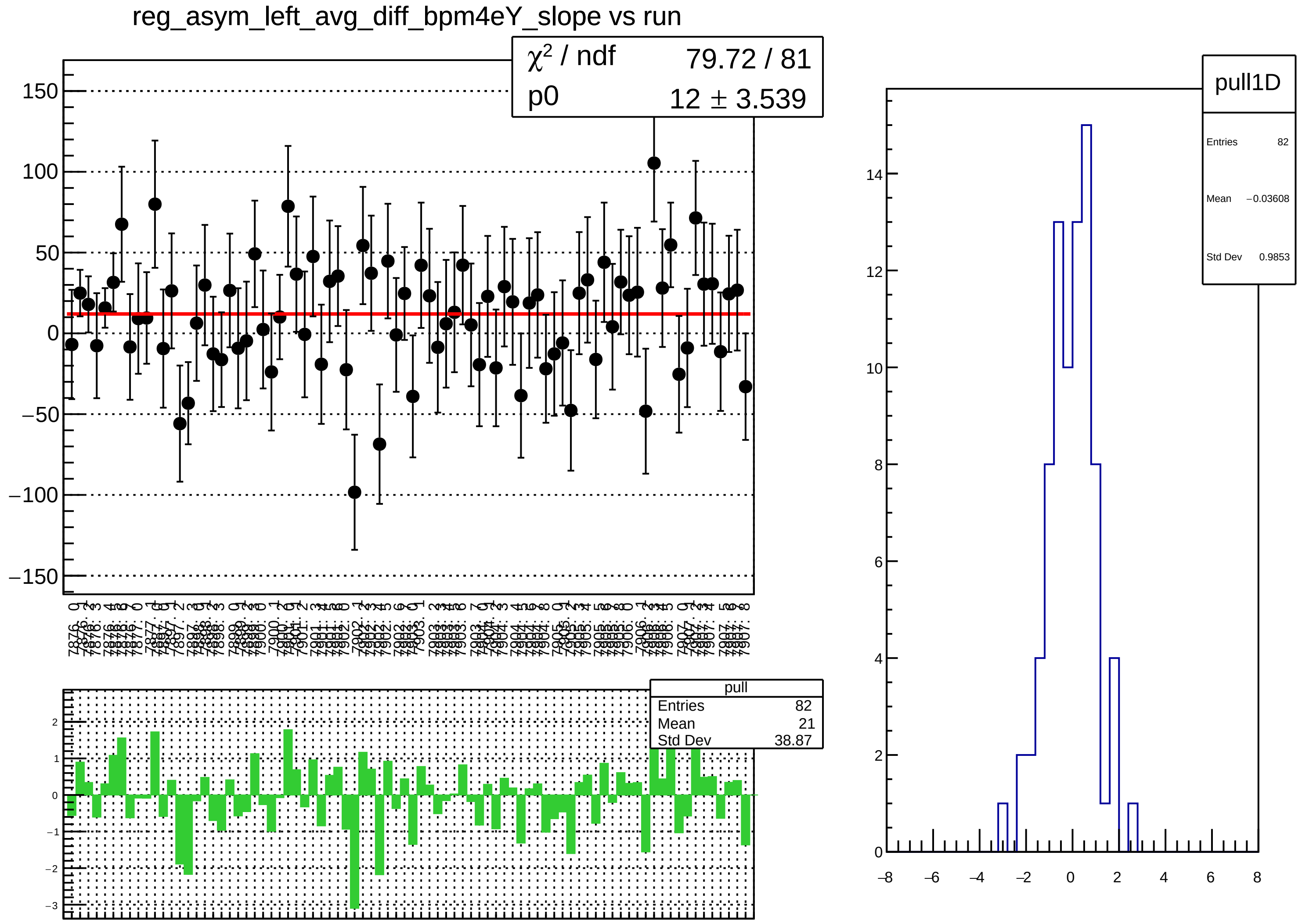

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 106.2 / 81
p0 −4.829 ± 2.158
pull
Entries 82
Mean 57.98
Std Dev 7.948
pull1D
Entries 82
Mean 0.1819
Std Dev 1.123


reg_asym_left_avg_diff_bpm1X_slope vs run
χ2 / ndf 75.46 / 81
p0 −38.48 ± 2.663
50
0
−50
−100
−150
pull
Entries 82
Mean −28.21
Std Dev 67.7
pull1D
Entries 82
Mean 0.04135
Std Dev 0.9584
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

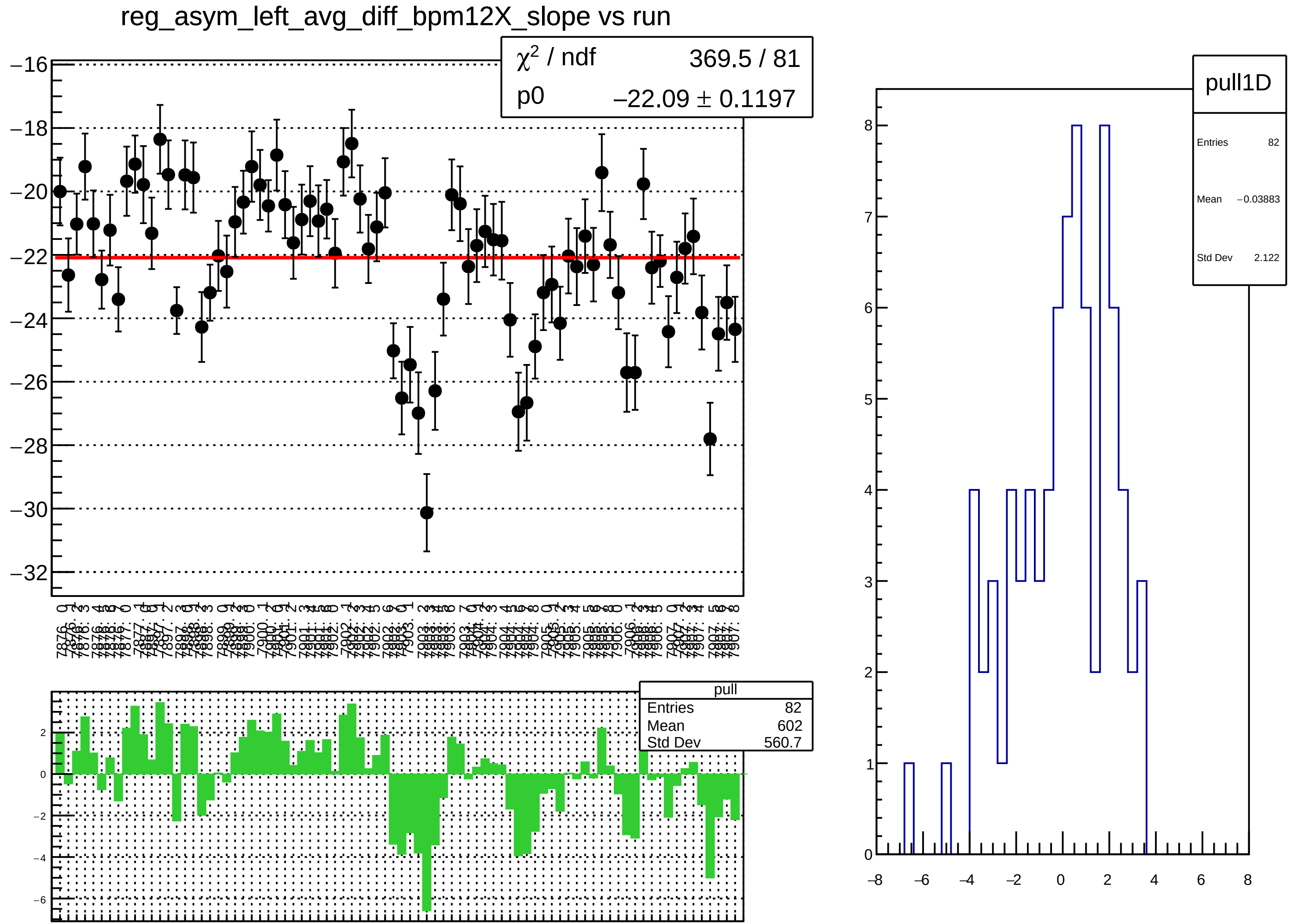


reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 81.9 / 81
p0 2.793 ± 2.838
100
50
0
−50
−100
pull
Entries 82
Mean 57.83
Std Dev 22.92
pull1D
Entries 82
Mean 0.09714
Std Dev 0.9947

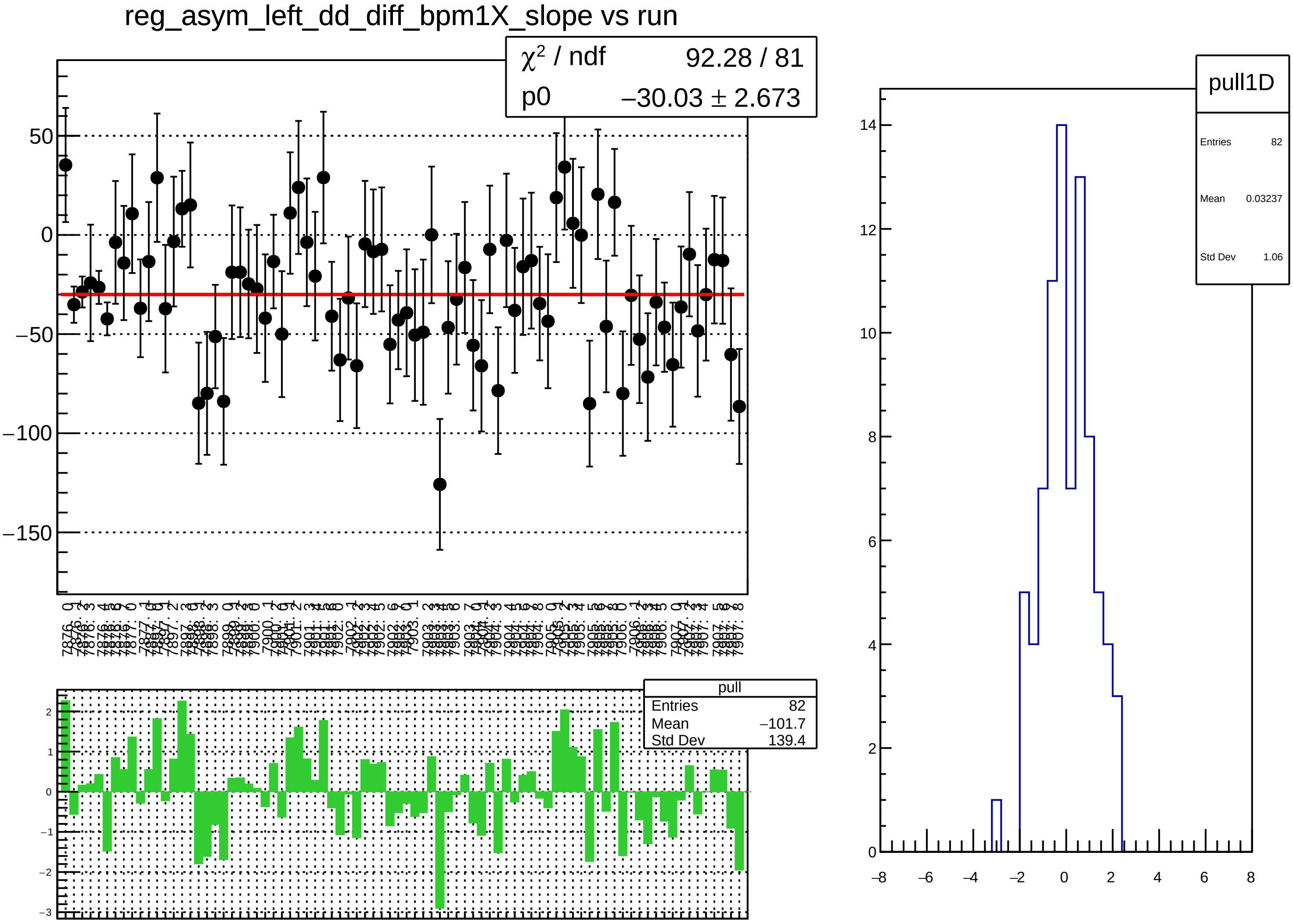

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 78.54 / 81
p0 5.158 ± 2.148
pull
Entries 82
Mean 9.698
Std Dev 27.94
pull1D
Entries 82
Mean −0.07862
Std Dev 0.9755

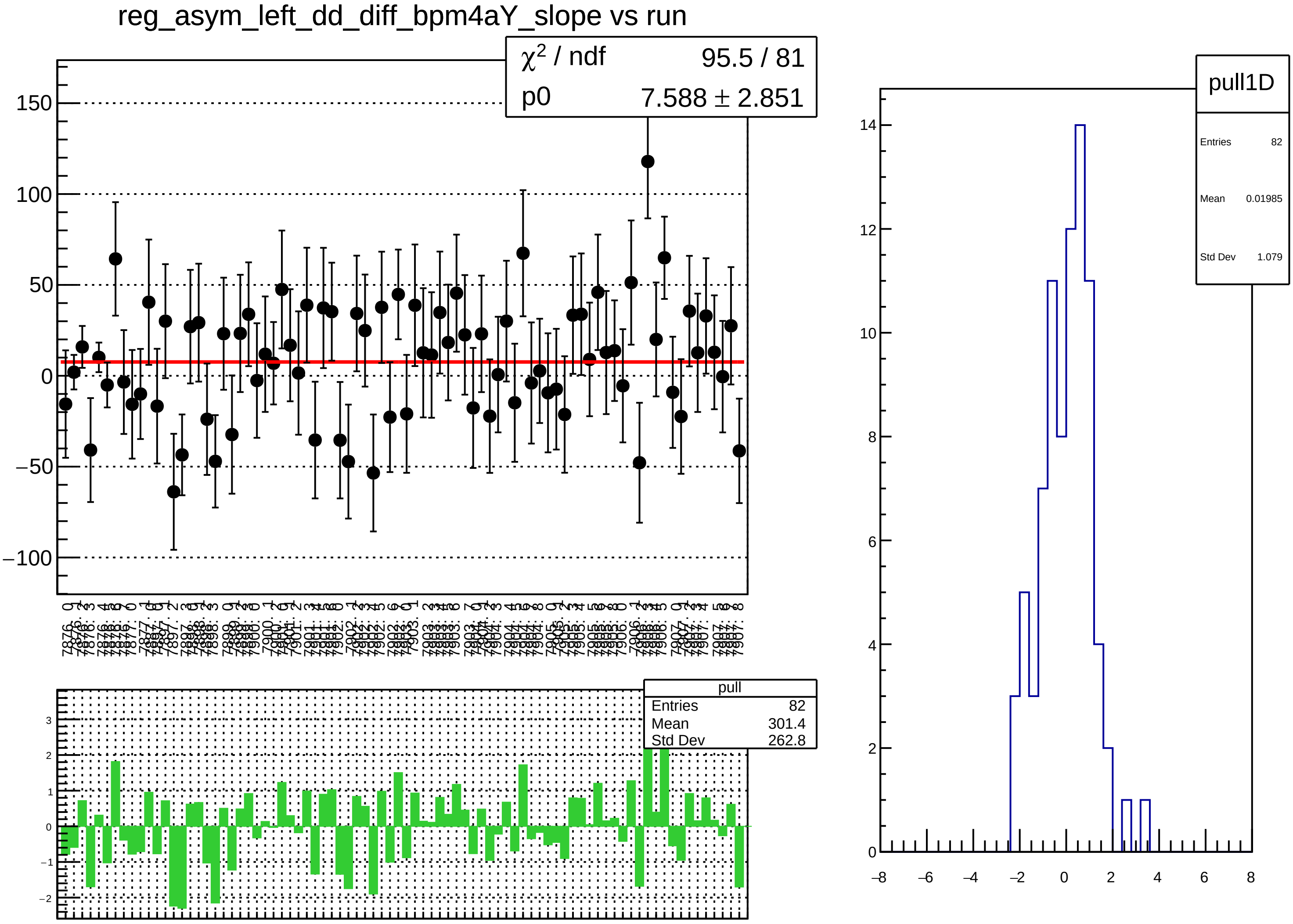


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 79.72 / 81
p0 12 ± 3.539
pull
Entries 82
Mean 21
Std Dev 38.87
pull1D
Entries 82
Mean −0.03608
Std Dev 0.9853

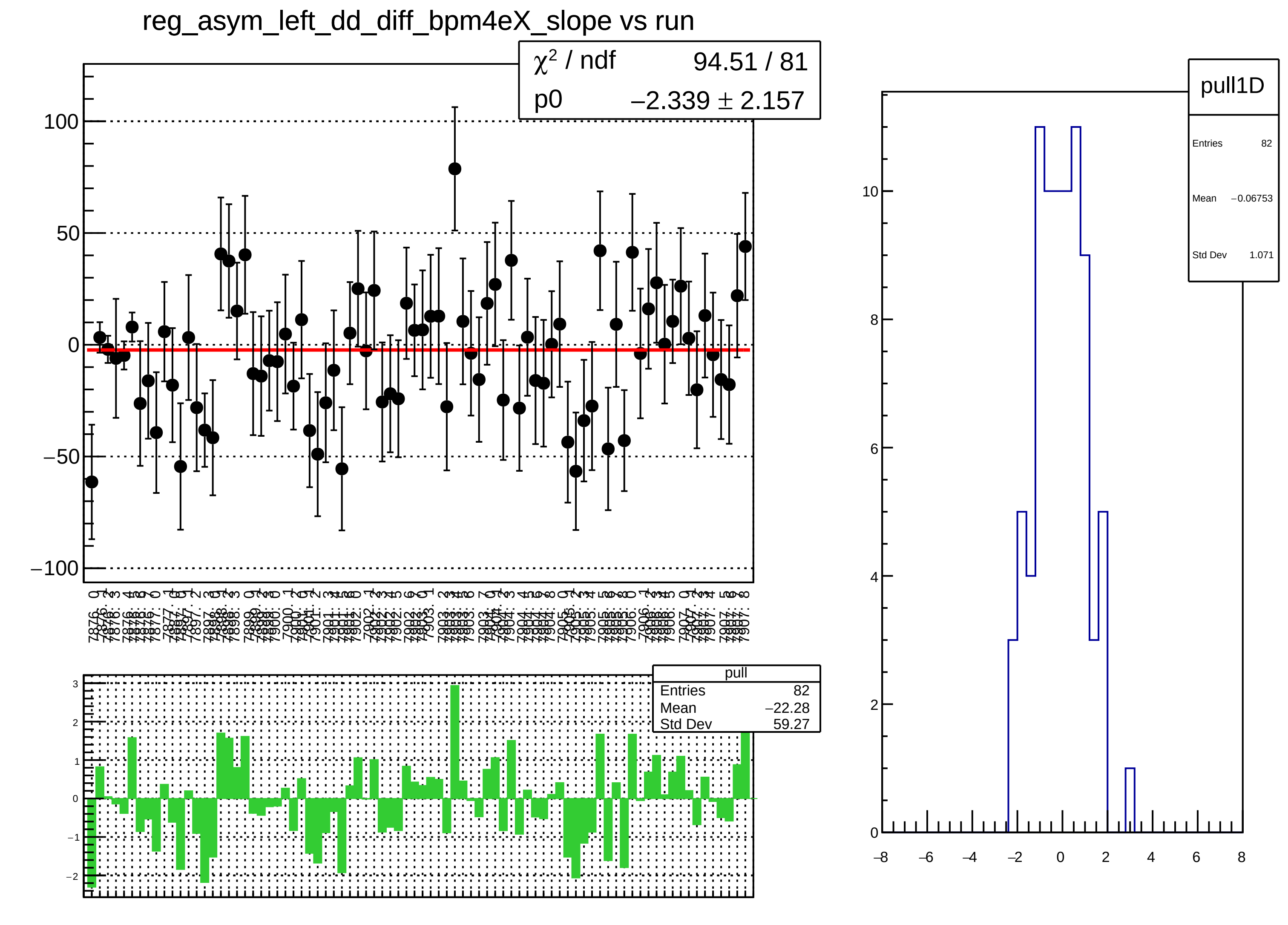


reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 369.5 / 81
p0 −22.09 ± 0.1197
pull
Entries 82
Mean 602
Std Dev 560.7
pull1D
Entries 82
Mean −0.03883
Std Dev 2.122

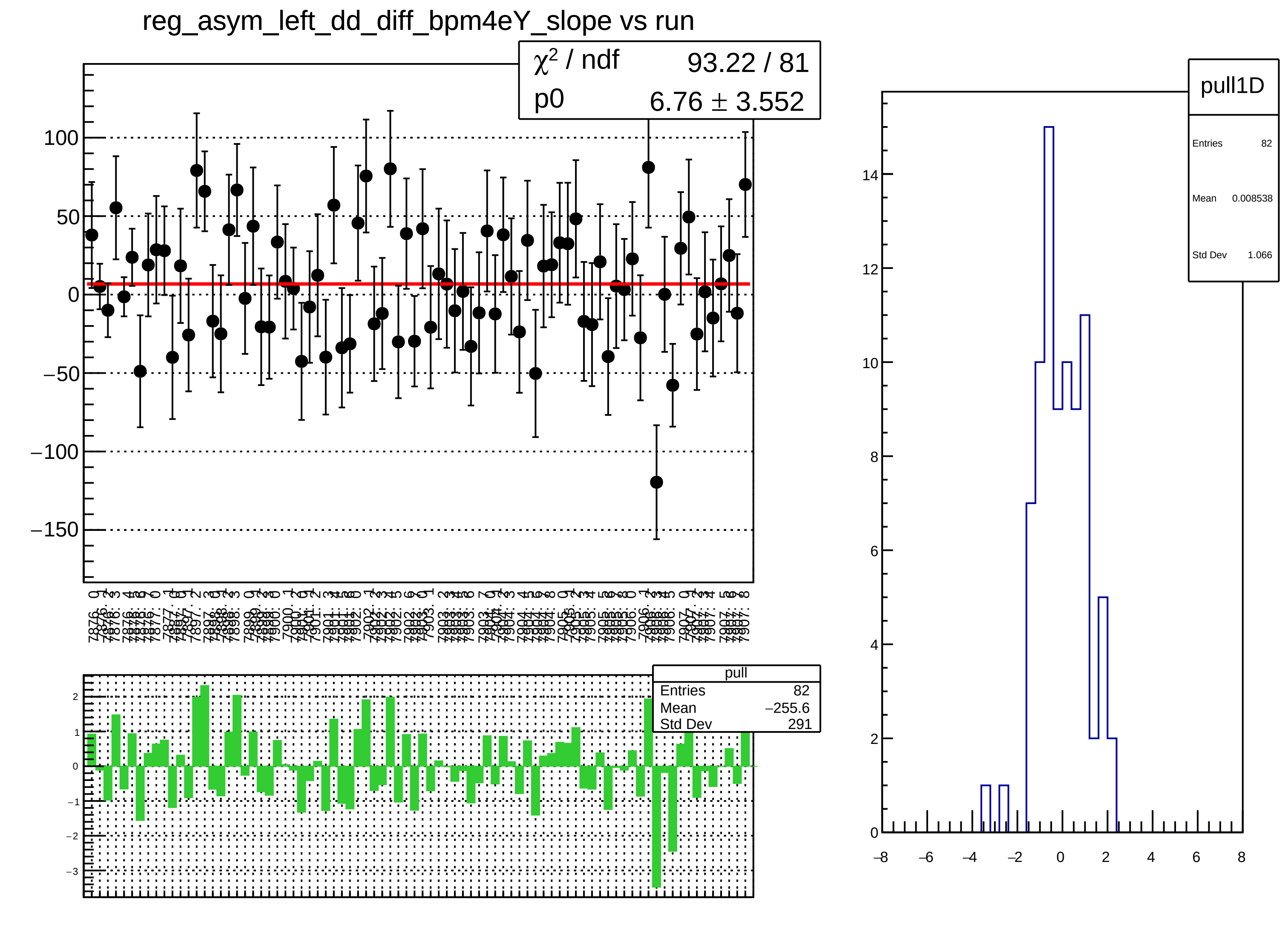

reg_asym_left_dd_diff_bpm1X_slope vs run
χ2 / ndf 92.28 / 81
p0 −30.03 ± 2.673
pull
Entries 82
Mean −101.7
Std Dev 139.4
pull1D
Entries 82
Mean 0.03237
Std Dev 1.06



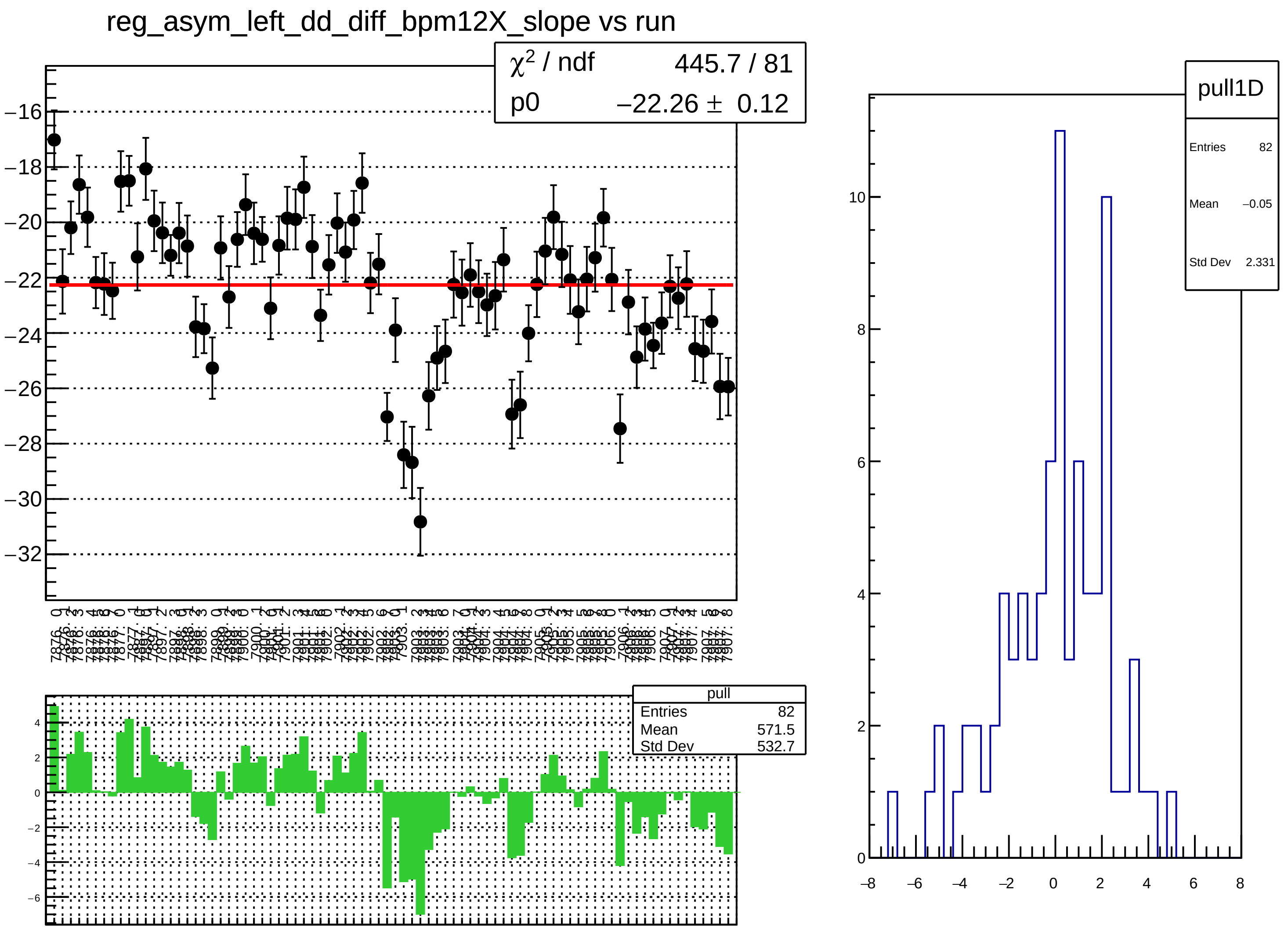
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 95.5 / 81
p0 7.588 ± 2.851
pull
Entries 82
Mean 301.4
Std Dev 262.8
pull1D
Entries 82
Mean 0.01985
Std Dev 1.079



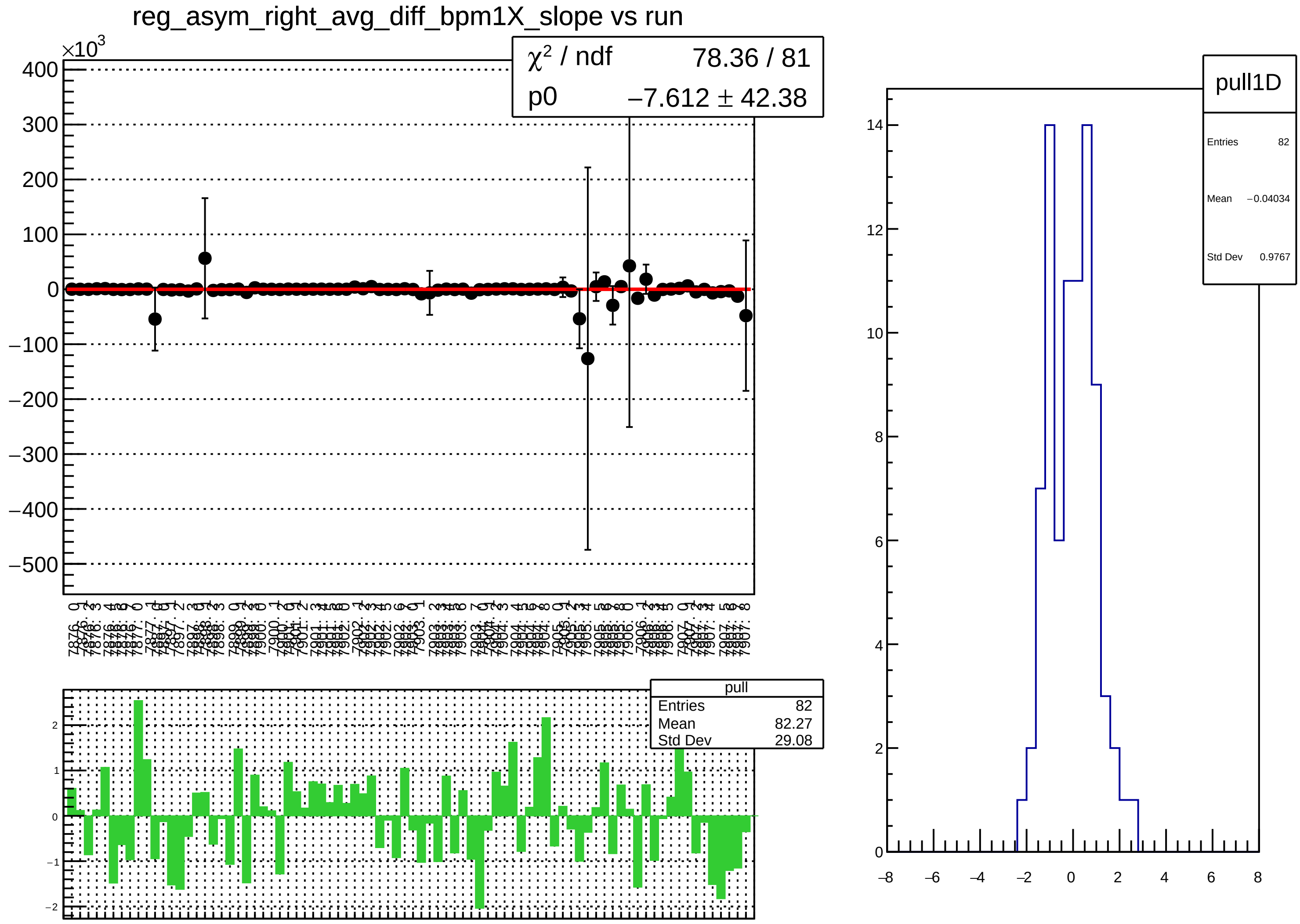
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ2 / ndf 94.51 / 81
p0 −2.339 ± 2.157
100
50
0
−50
−100
pull
Entries 82
Mean −22.28
Std Dev 59.27
pull1D
Entries 82
Mean −0.06753
Std Dev 1.071

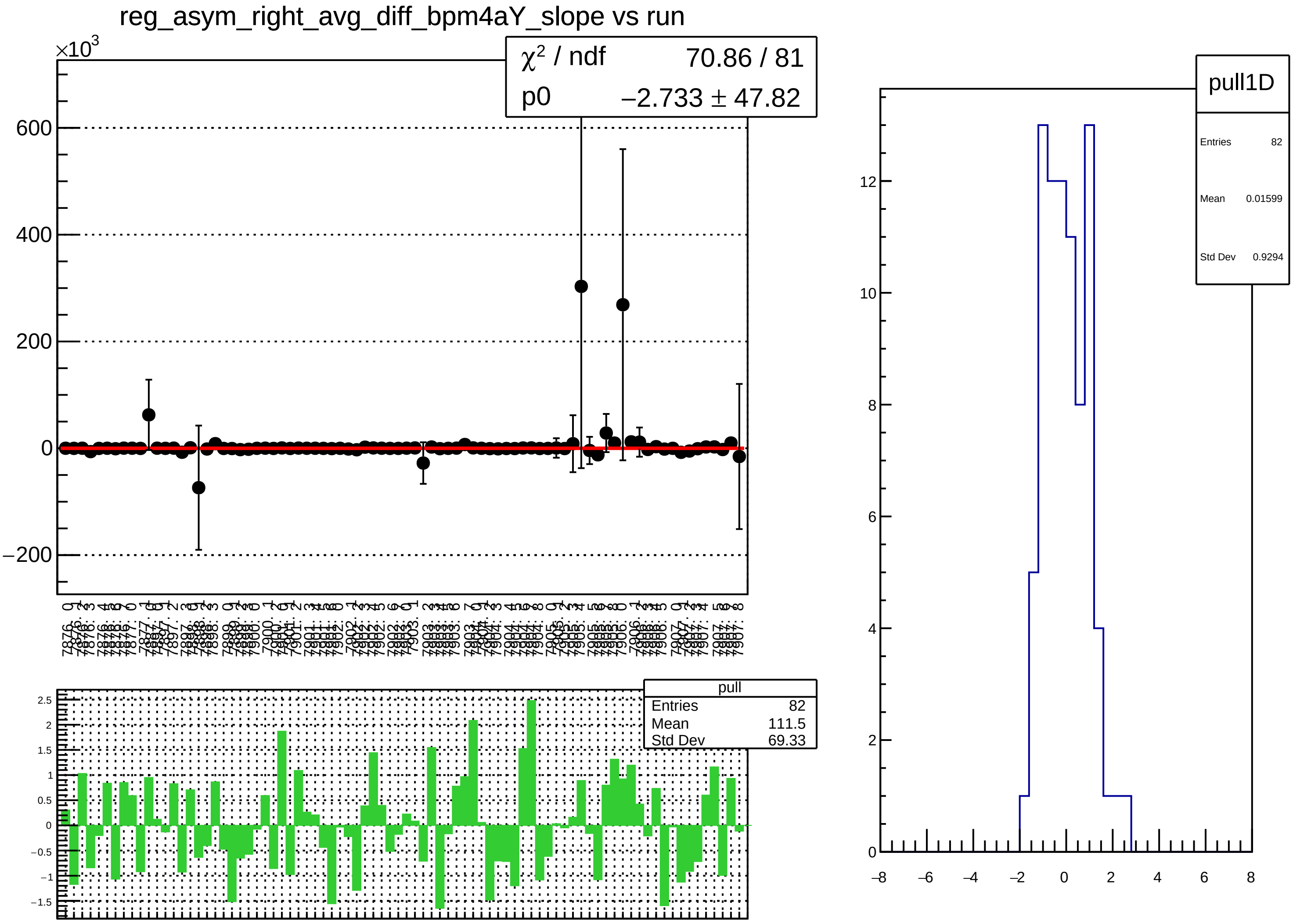


reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 93.22 / 81
p0 6.76 ± 3.552
pull
Entries 82
Mean −255.6
Std Dev 291
pull1D
Entries 82
Mean 0.008538
Std Dev 1.066

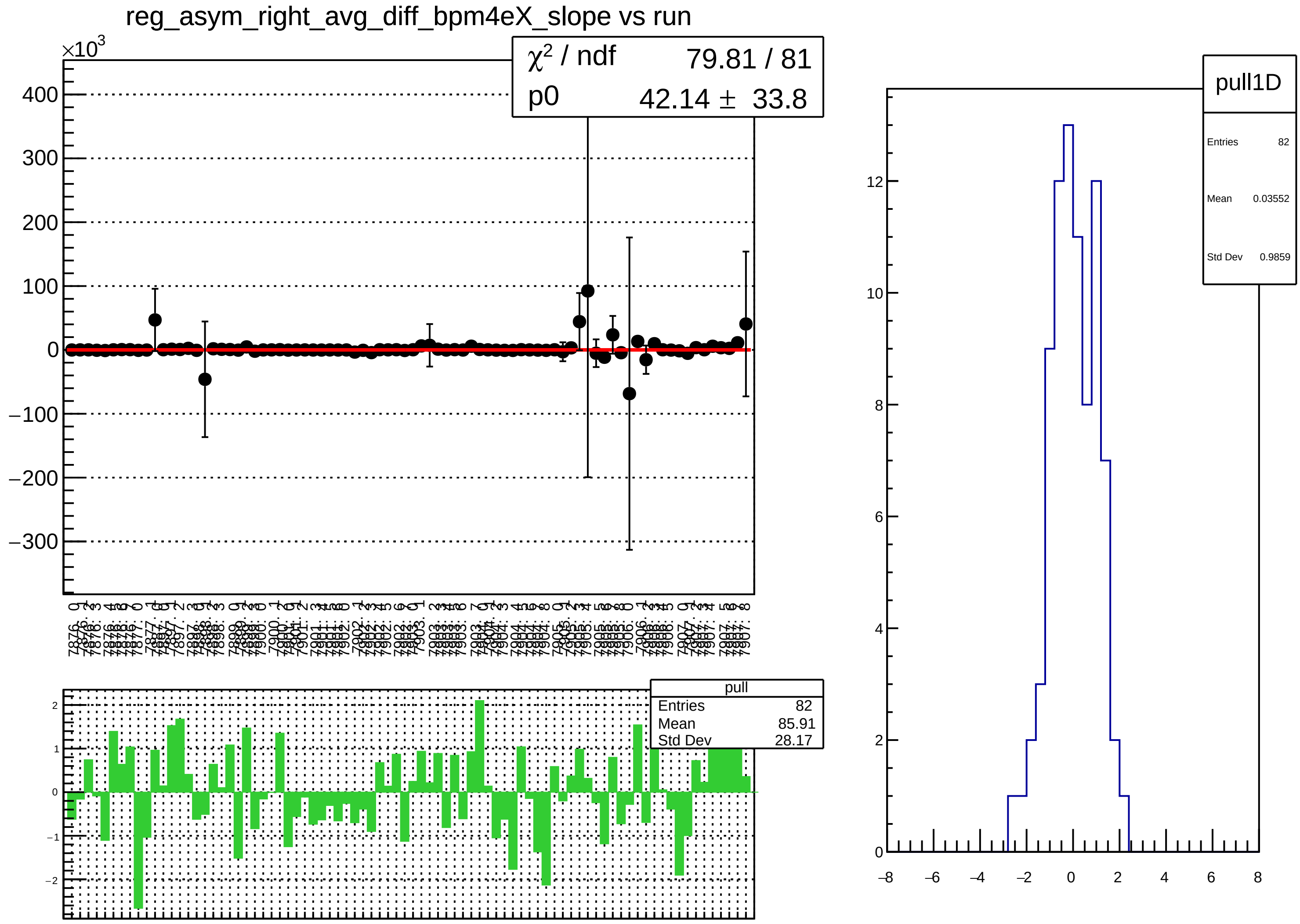


reg_asym_left_dd_diff_bpm12X_slope vs run
χ2 / ndf 445.7 / 81
p0 −22.26 ± 0.12
pull
Entries 82
Mean 571.5
Std Dev 532.7
pull1D
Entries 82
Mean −0.05
Std Dev 2.331

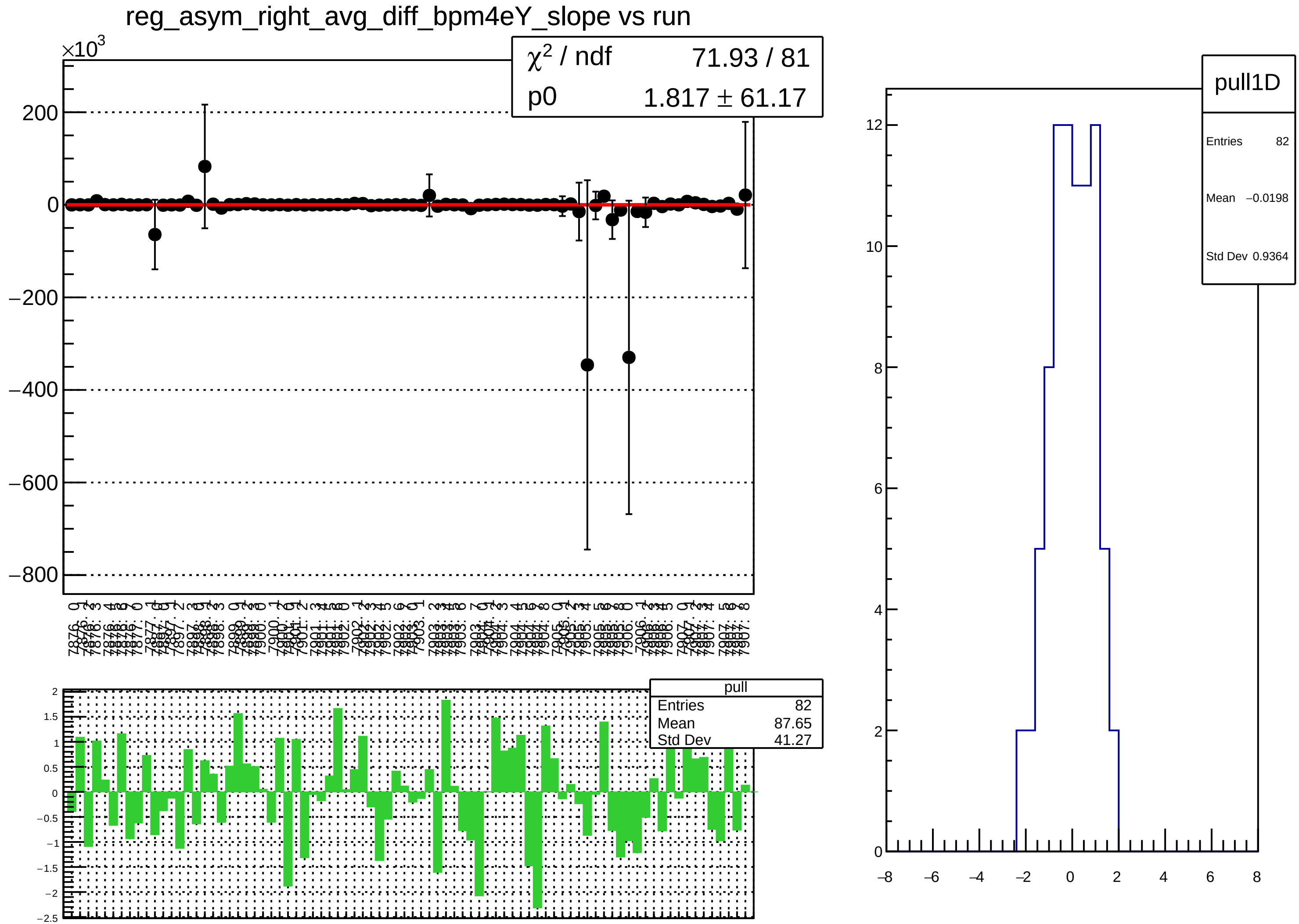

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 78.36 / 81
p0 −7.612 ± 42.38
×10^3
400
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 82
Mean 82.27
Std Dev 29.08
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.04034
Std Dev 0.9767
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



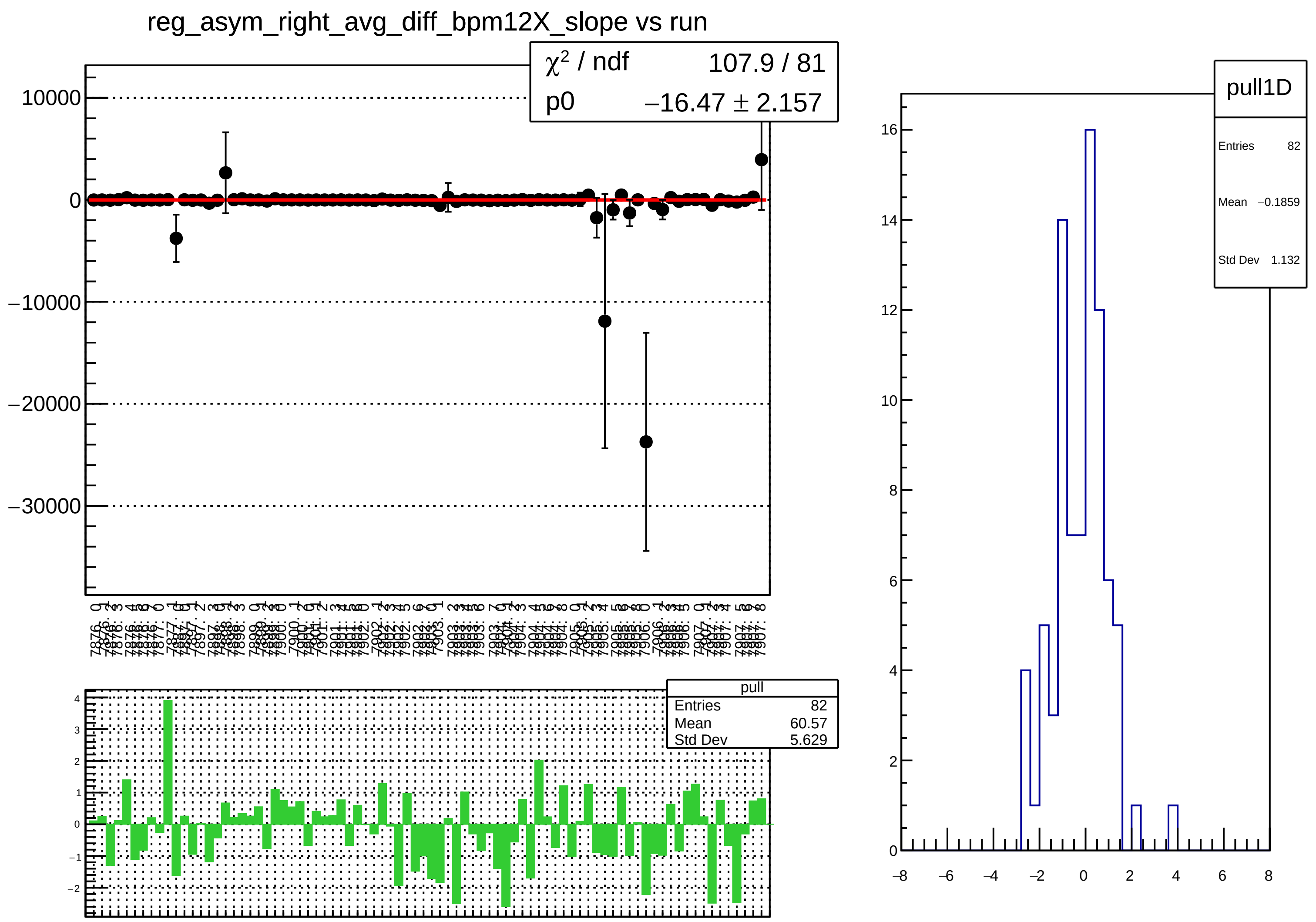
reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 70.86 / 81
p0 −2.733 ± 47.82
600
400
200
0
−200
pull
Entries 82
Mean 111.5
Std Dev 69.33
pull1D
Entries 82
Mean 0.01599
Std Dev 0.9294

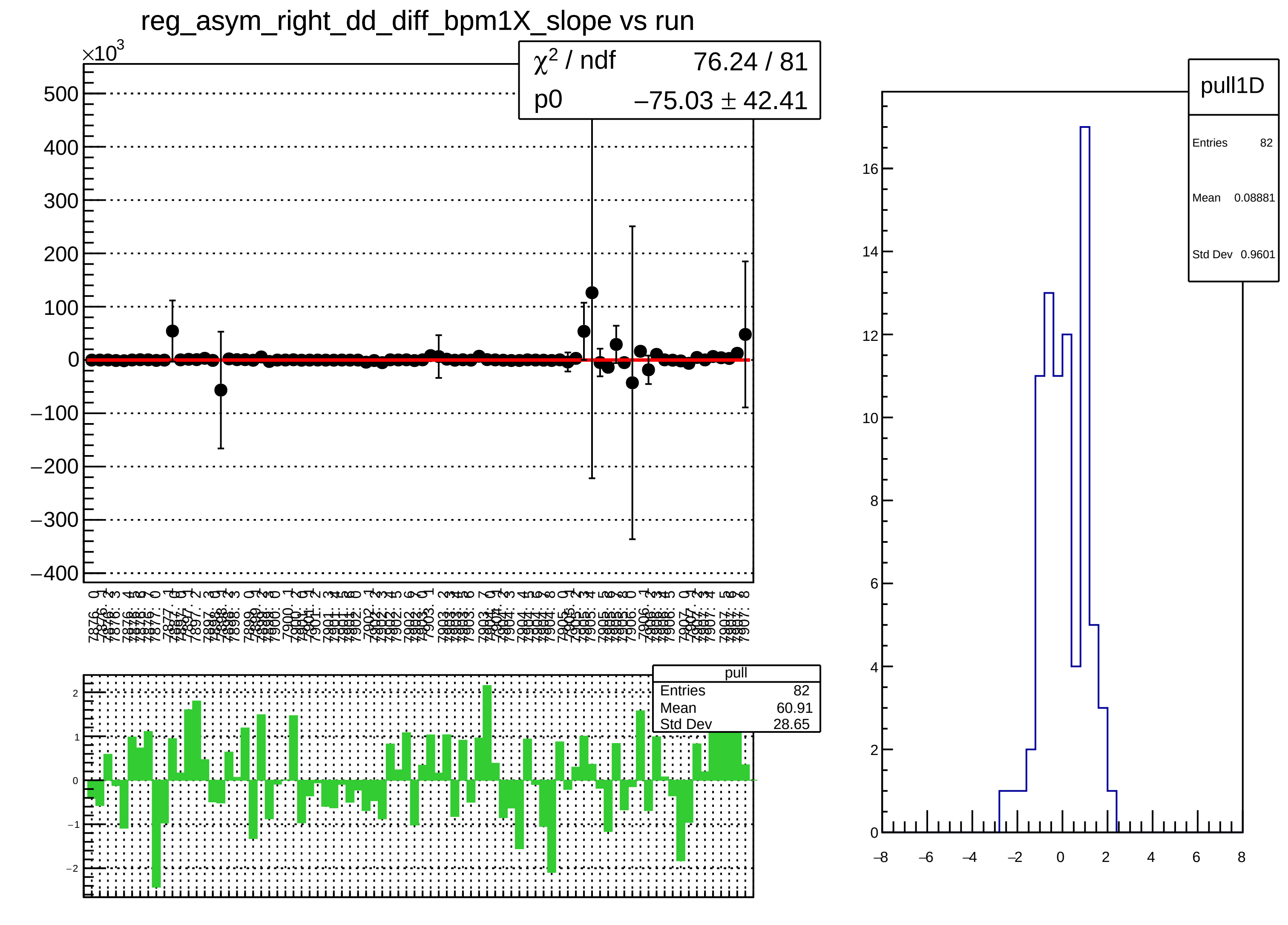


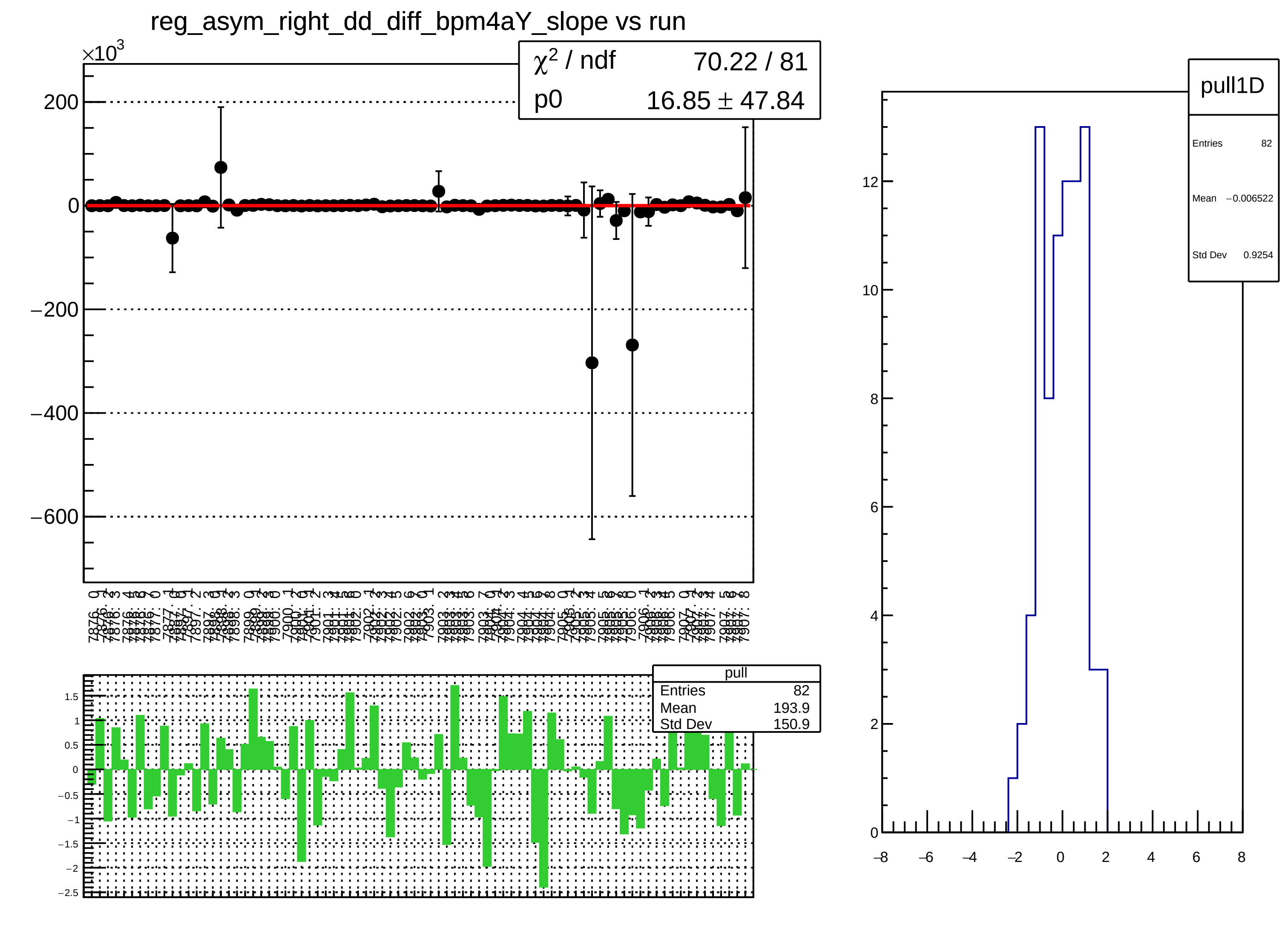
reg_asym_right_avg_diff_bpm4eX_slope vs run
χ2 / ndf 79.81 / 81
p0 42.14 ± 33.8
pull
Entries 82
Mean 85.91
Std Dev 28.17
pull1D
Entries 82
Mean 0.03552
Std Dev 0.9859



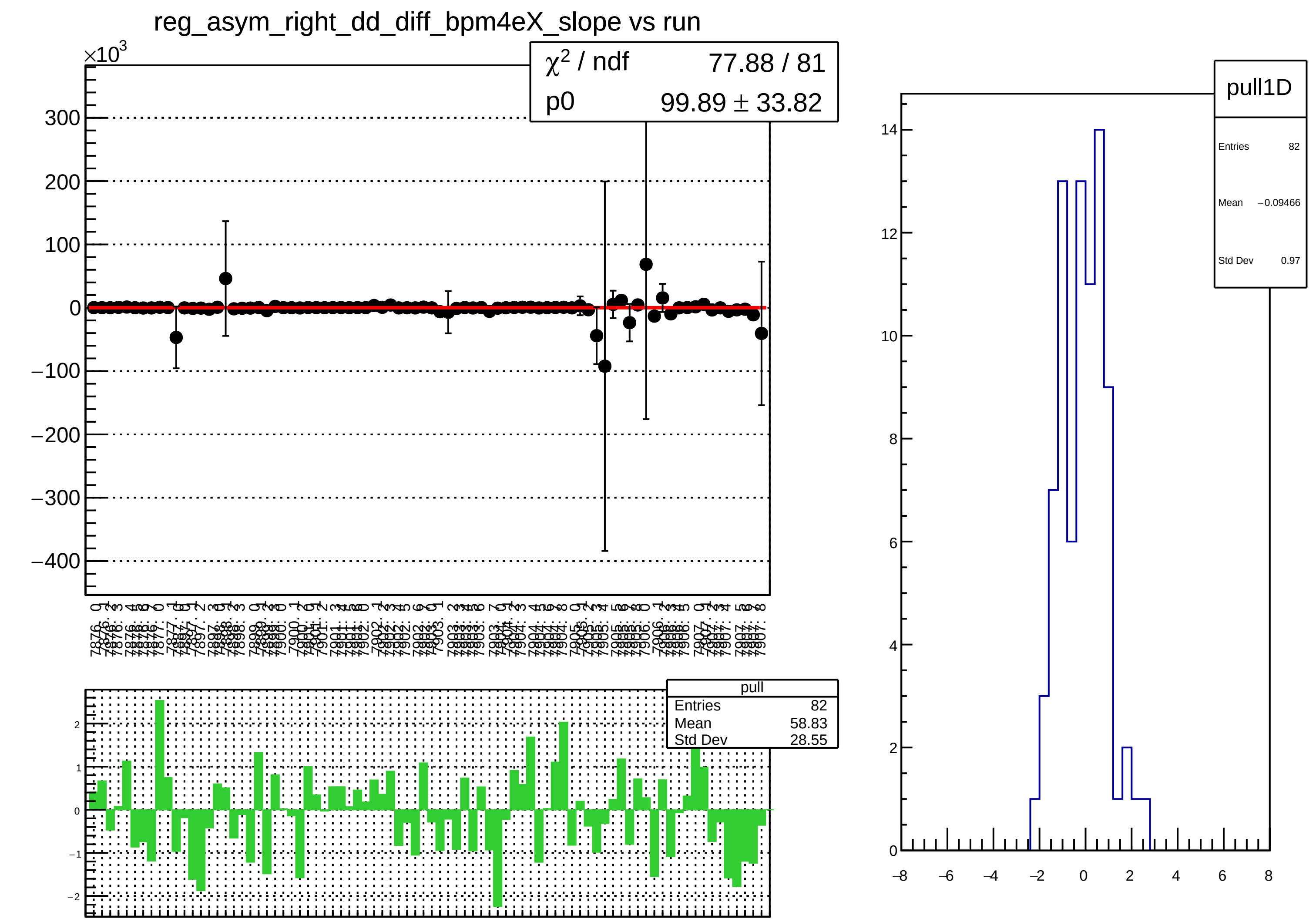
reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 71.93 / 81
p0 1.817 ± 61.17
pull
Entries 82
Mean 87.65
Std Dev 41.27
pull1D
Entries 82
Mean −0.0198
Std Dev 0.9364


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

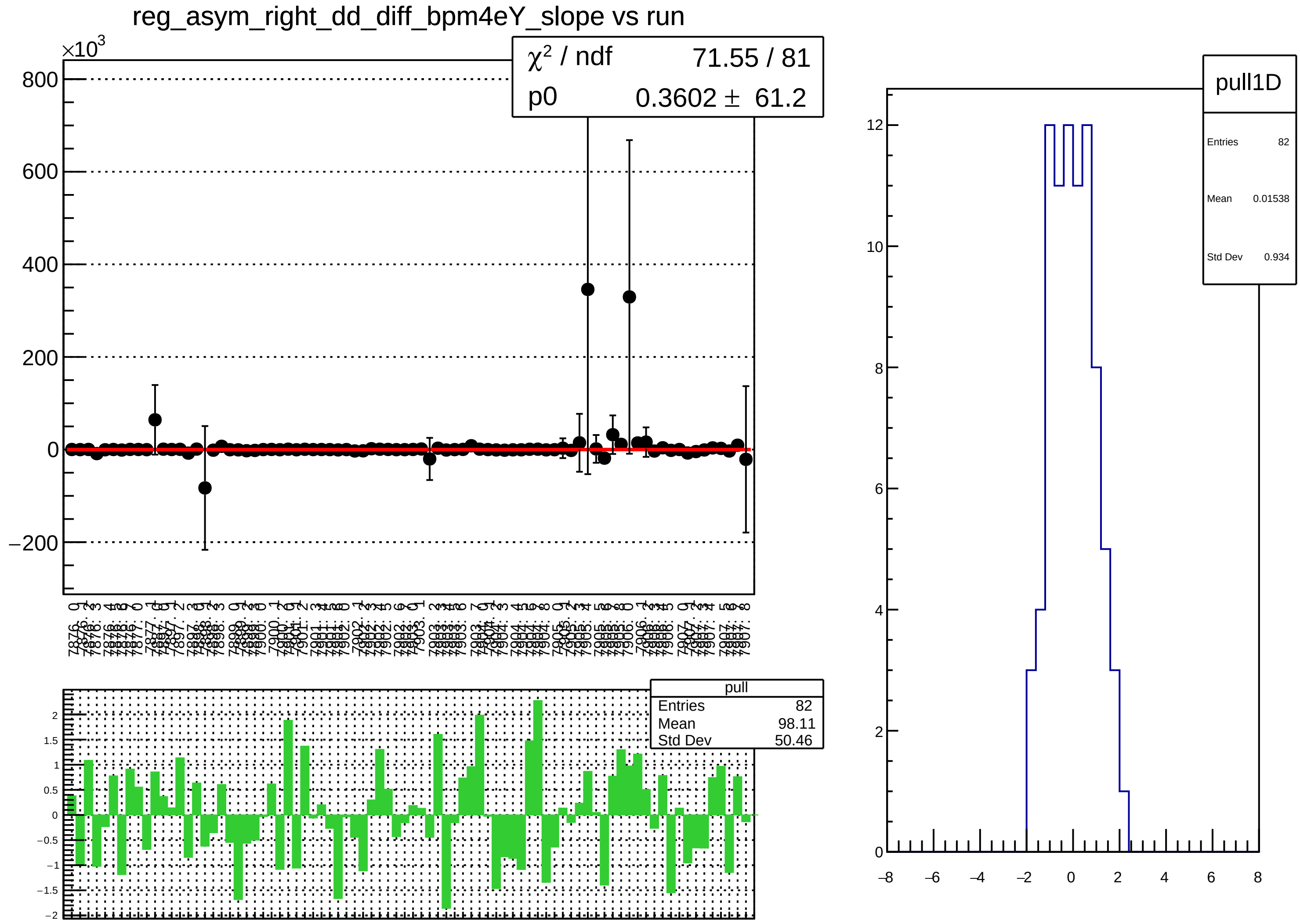

reg_asym_right_dd_diff_bpm1X_slope vs run
$\times10^3$
χ^2 / ndf 76.24 / 81
p0 −75.03 ± 42.41
pull
Entries 82
Mean 60.91
Std Dev 28.65
pull1D
Entries 82
Mean 0.08881
Std Dev 0.9601



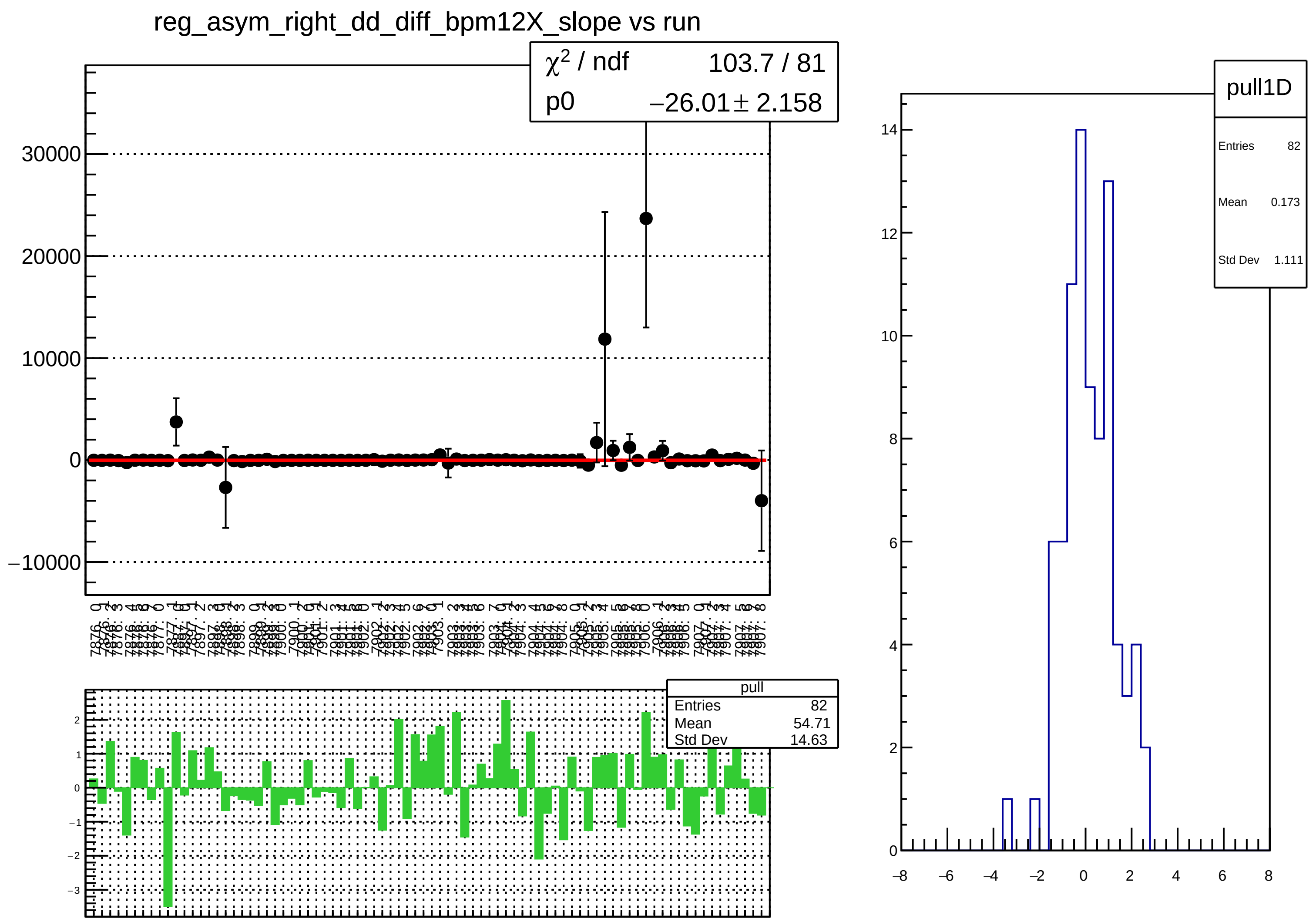
reg_asym_right_dd_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 70.22 / 81
p0 16.85 ± 47.84
pull
Entries 82
Mean 193.9
Std Dev 150.9
pull1D
Entries 82
Mean −0.006522
Std Dev 0.9254

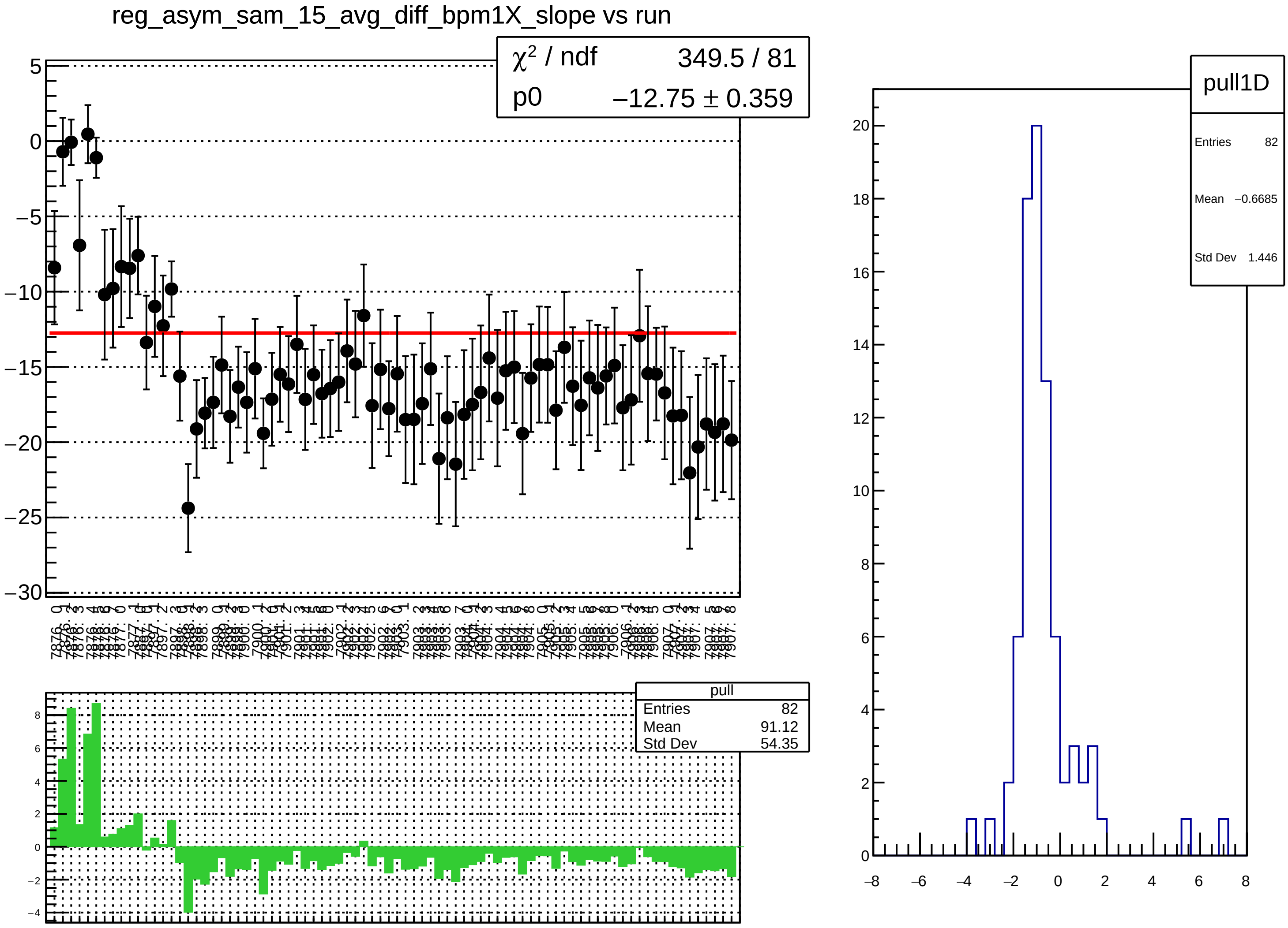


reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 77.88 / 81
p0 99.89 ± 33.82
300
200
100
0
−100
−200
−300
−400
pull
Entries 82
Mean 58.83
Std Dev 28.55
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.09466
Std Dev 0.97
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

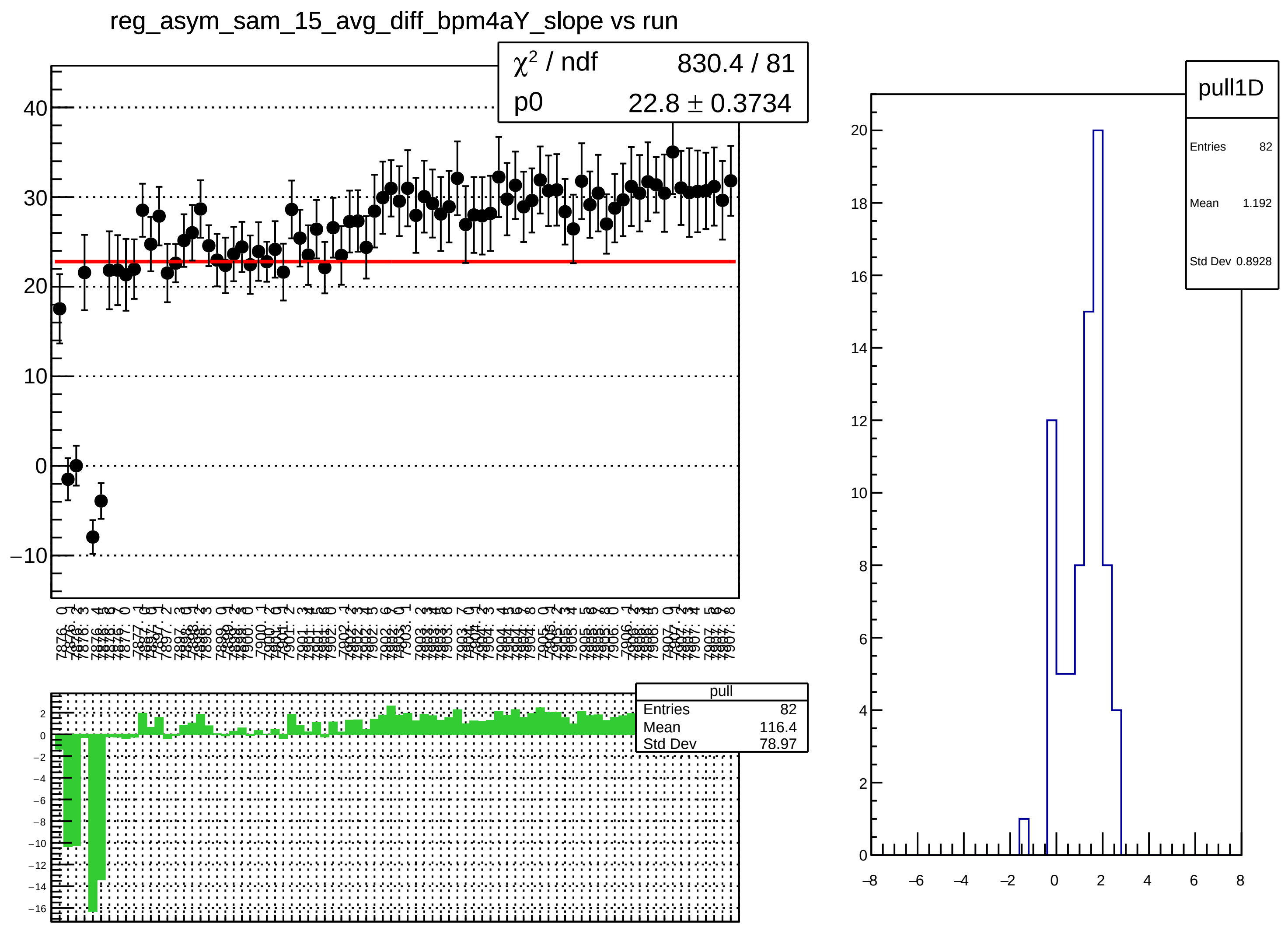


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 71.55 / 81
p0 0.3602 ± 61.2
pull
Entries 82
Mean 98.11
Std Dev 50.46
pull1D
Entries 82
Mean 0.01538
Std Dev 0.934

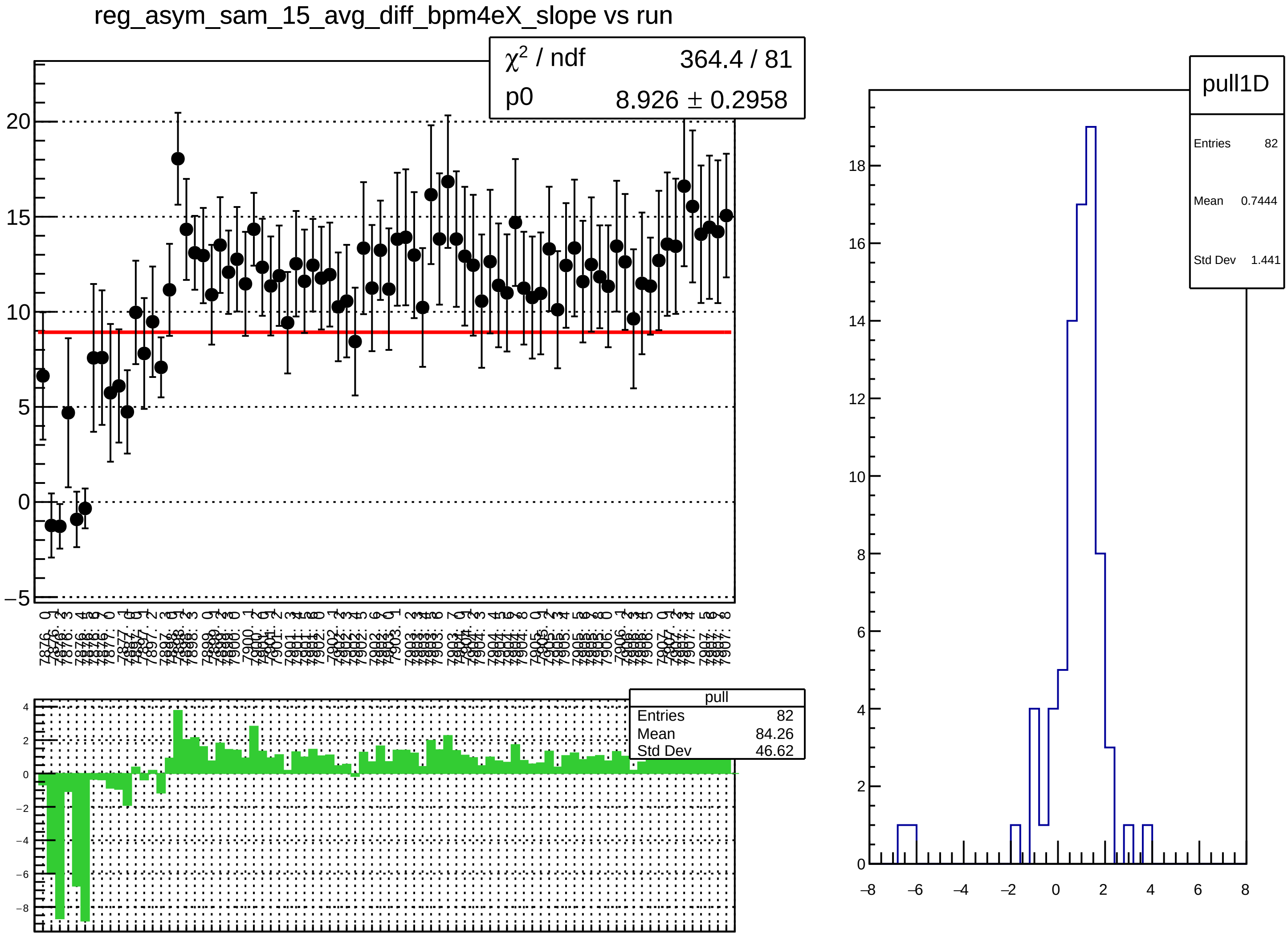

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 103.7 / 81
p0 −26.01 ± 2.158
pull
Entries 82
Mean 54.71
Std Dev 14.63
pull1D
Entries 82
Mean 0.173
Std Dev 1.111



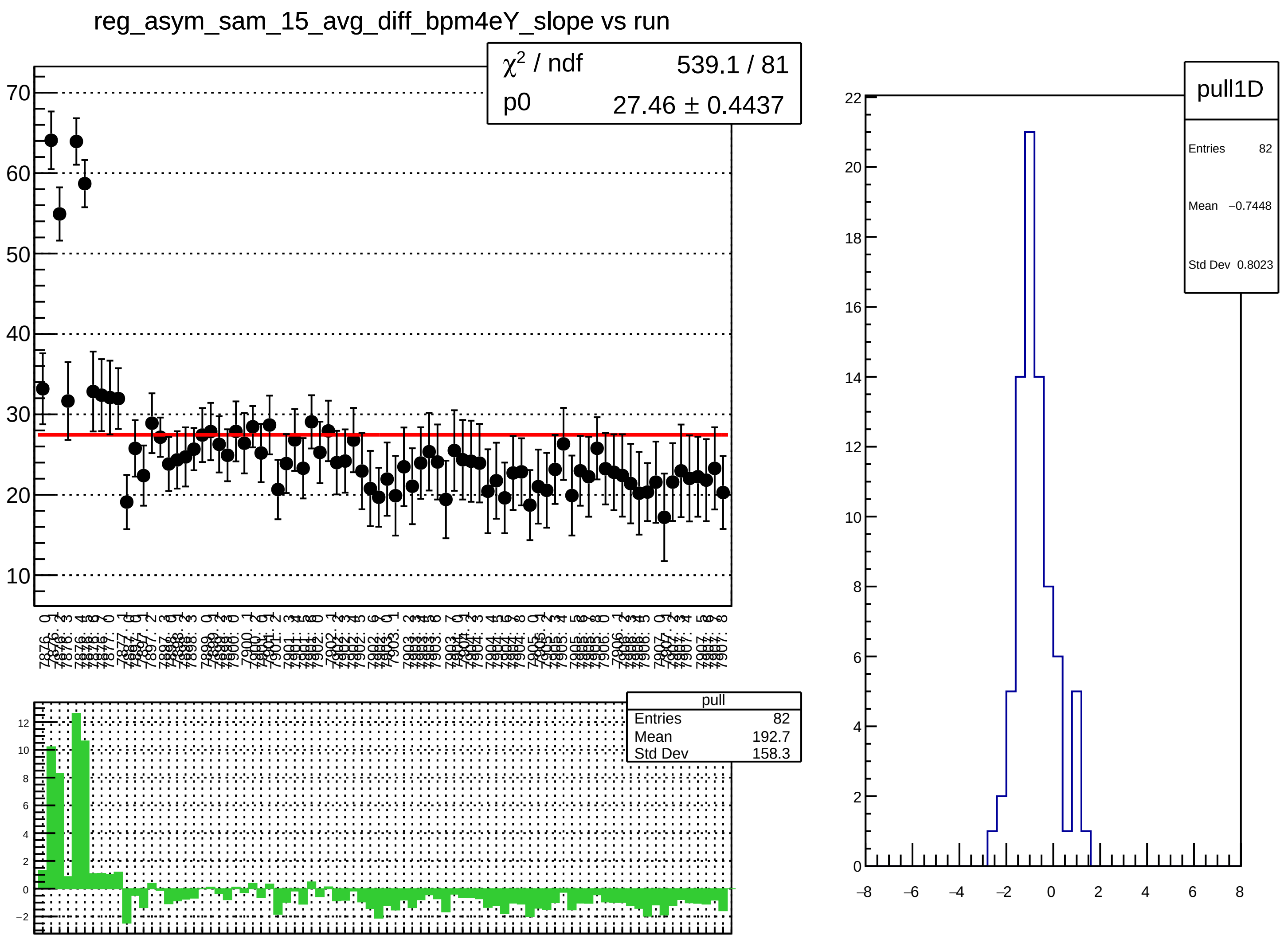
reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 349.5 / 81
p0 −12.75 ± 0.359
pull
Entries 82
Mean 91.12
Std Dev 54.35
pull1D
Entries 82
Mean −0.6685
Std Dev 1.446



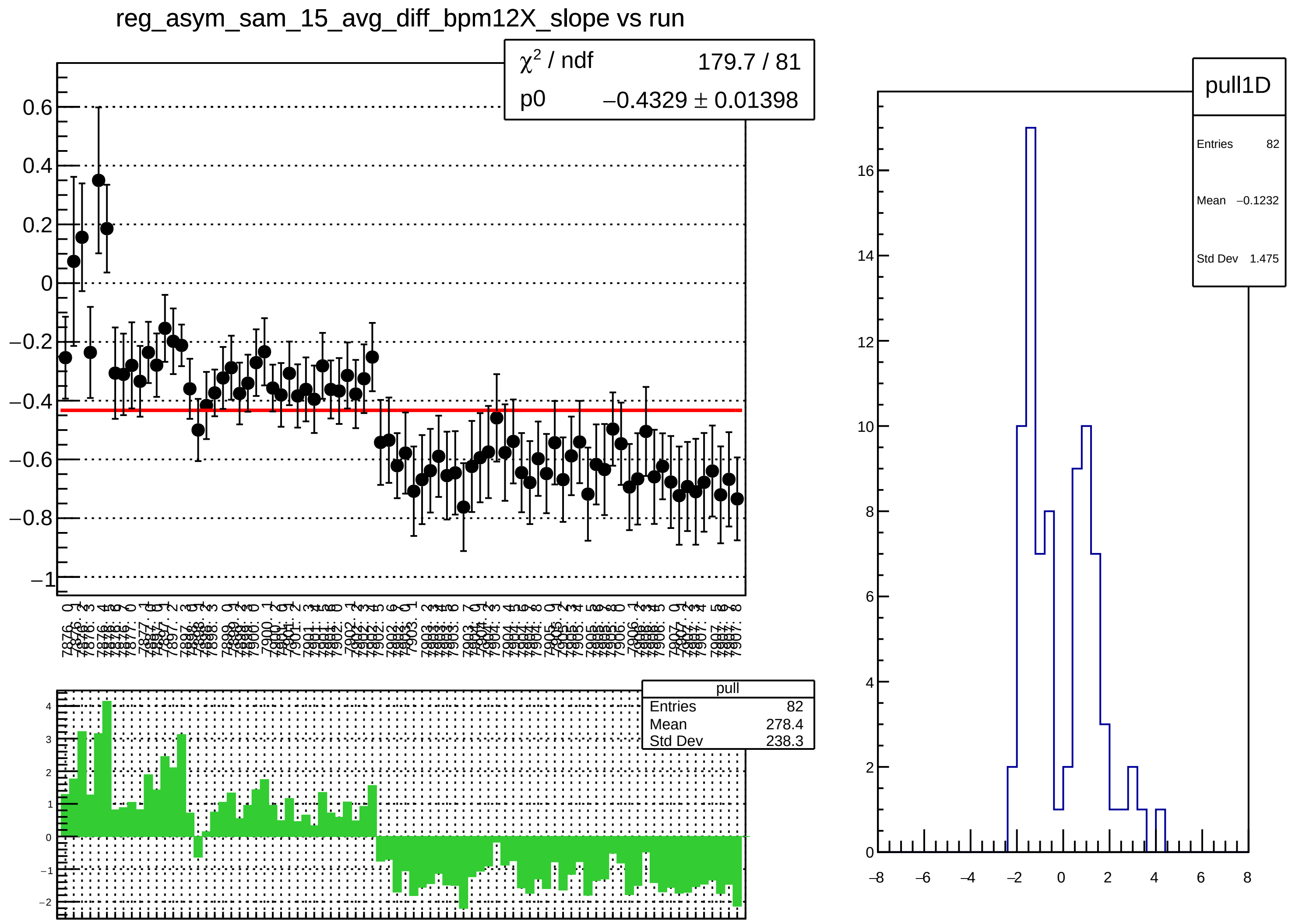
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ2 / ndf 830.4 / 81
p0 22.8 ± 0.3734
pull
Entries 82
Mean 116.4
Std Dev 78.97
pull1D
Entries 82
Mean 1.192
Std Dev 0.8928

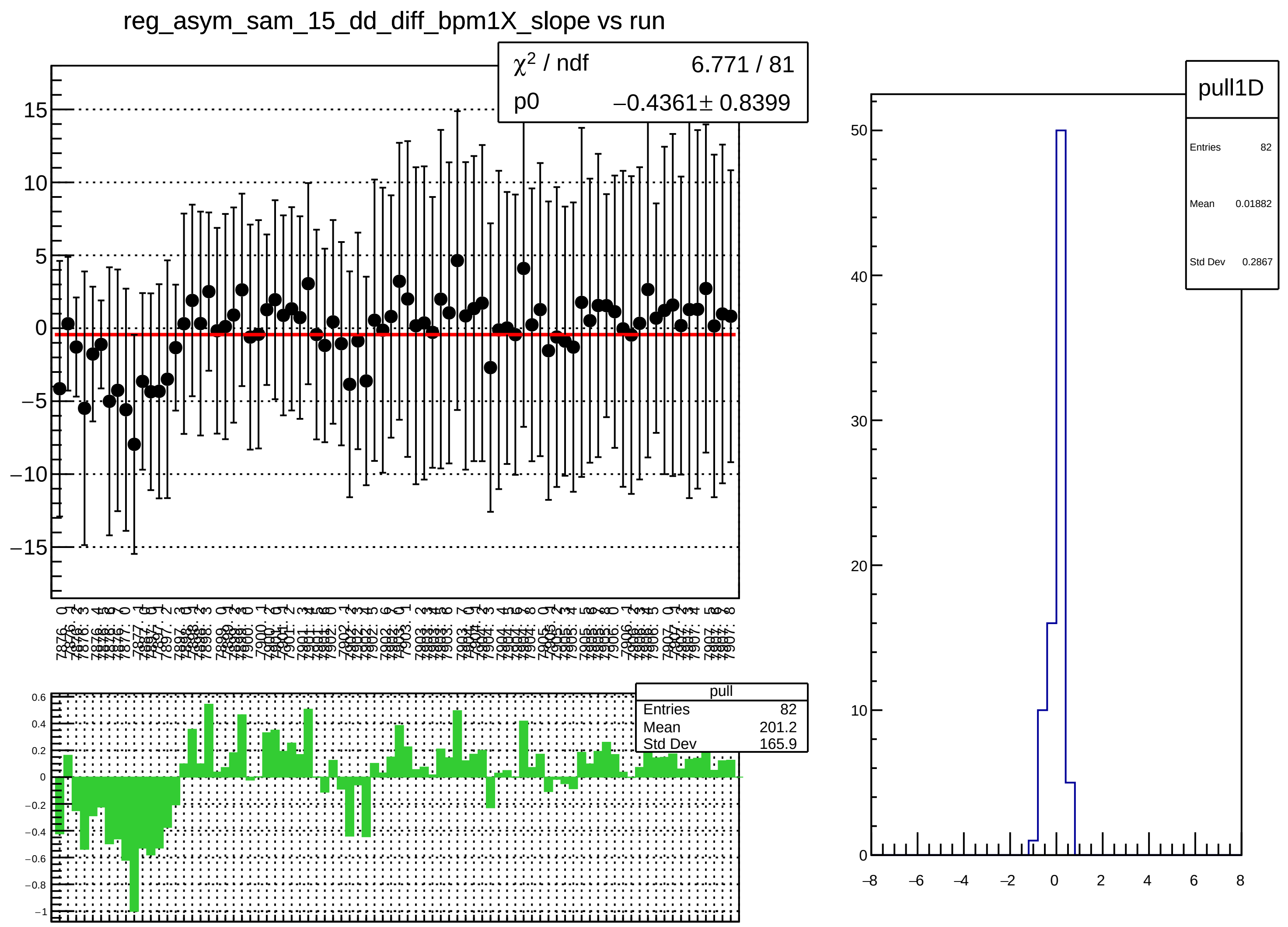


reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ2 / ndf 364.4 / 81
p0 8.926 ± 0.2958
pull
Entries 82
Mean 84.26
Std Dev 46.62
pull1D
Entries 82
Mean 0.7444
Std Dev 1.441

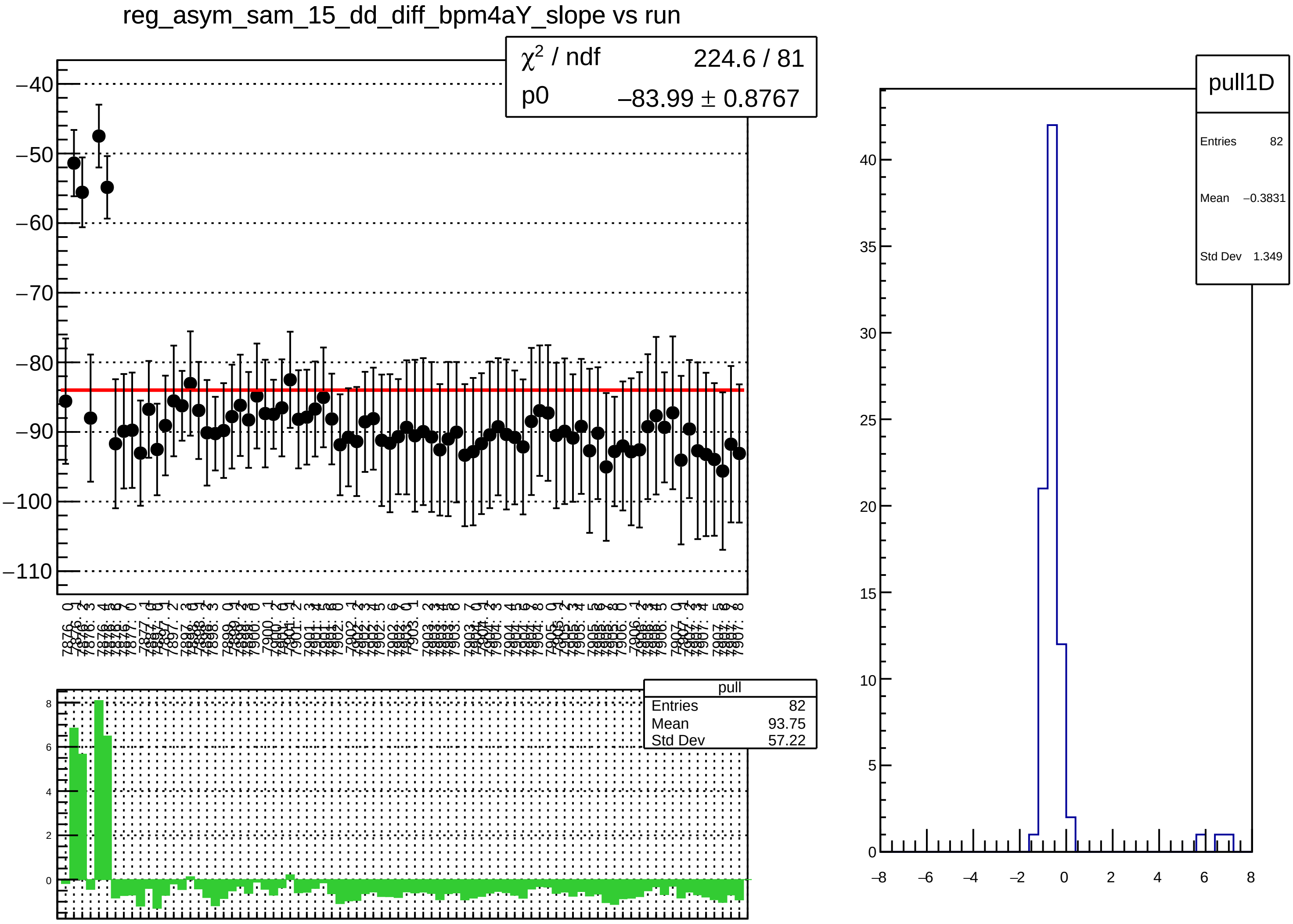


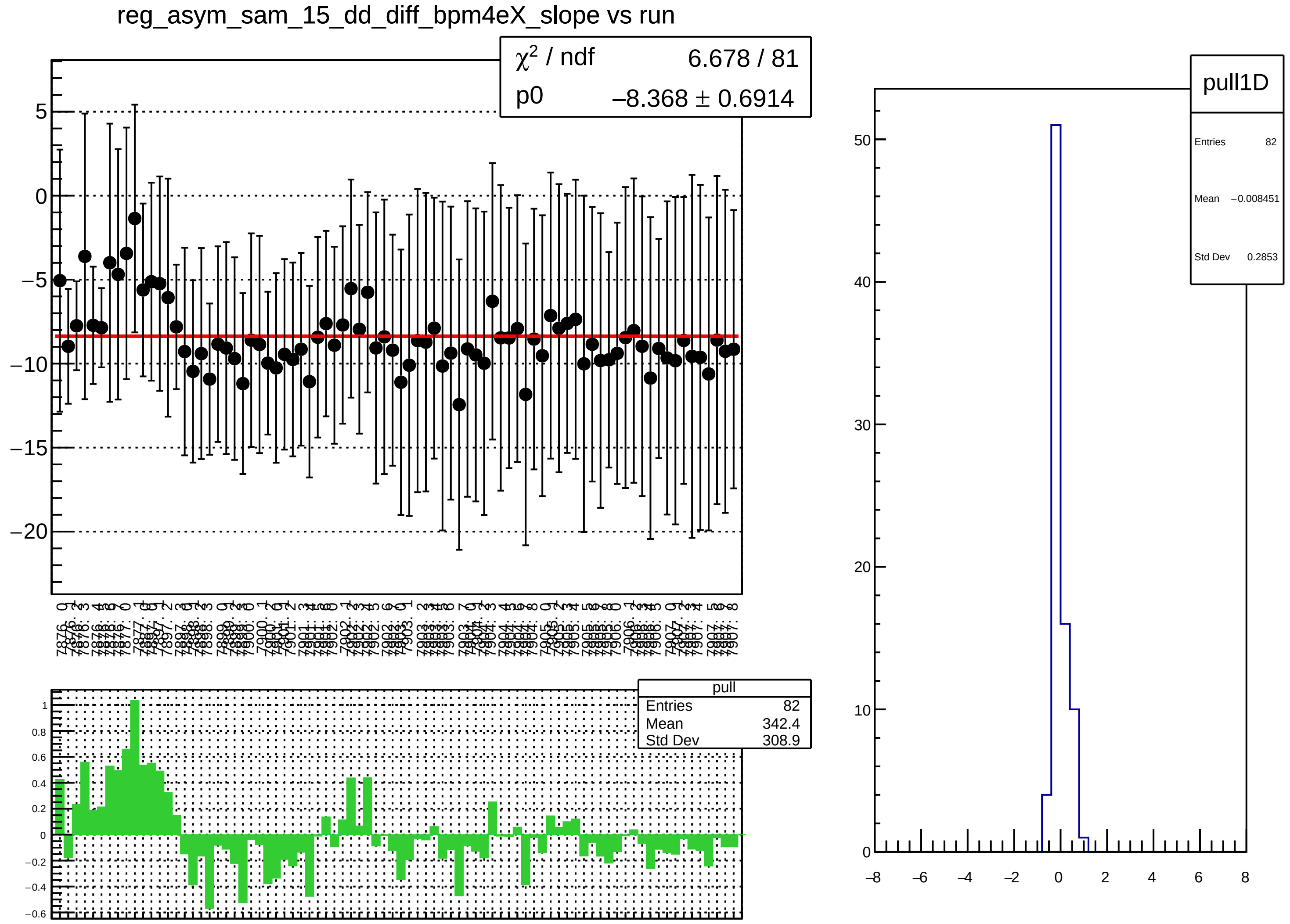
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 539.1 / 81
p0 27.46 ± 0.4437
pull
Entries 82
Mean 192.7
Std Dev 158.3
pull1D
Entries 82
Mean −0.7448
Std Dev 0.8023


reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / 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

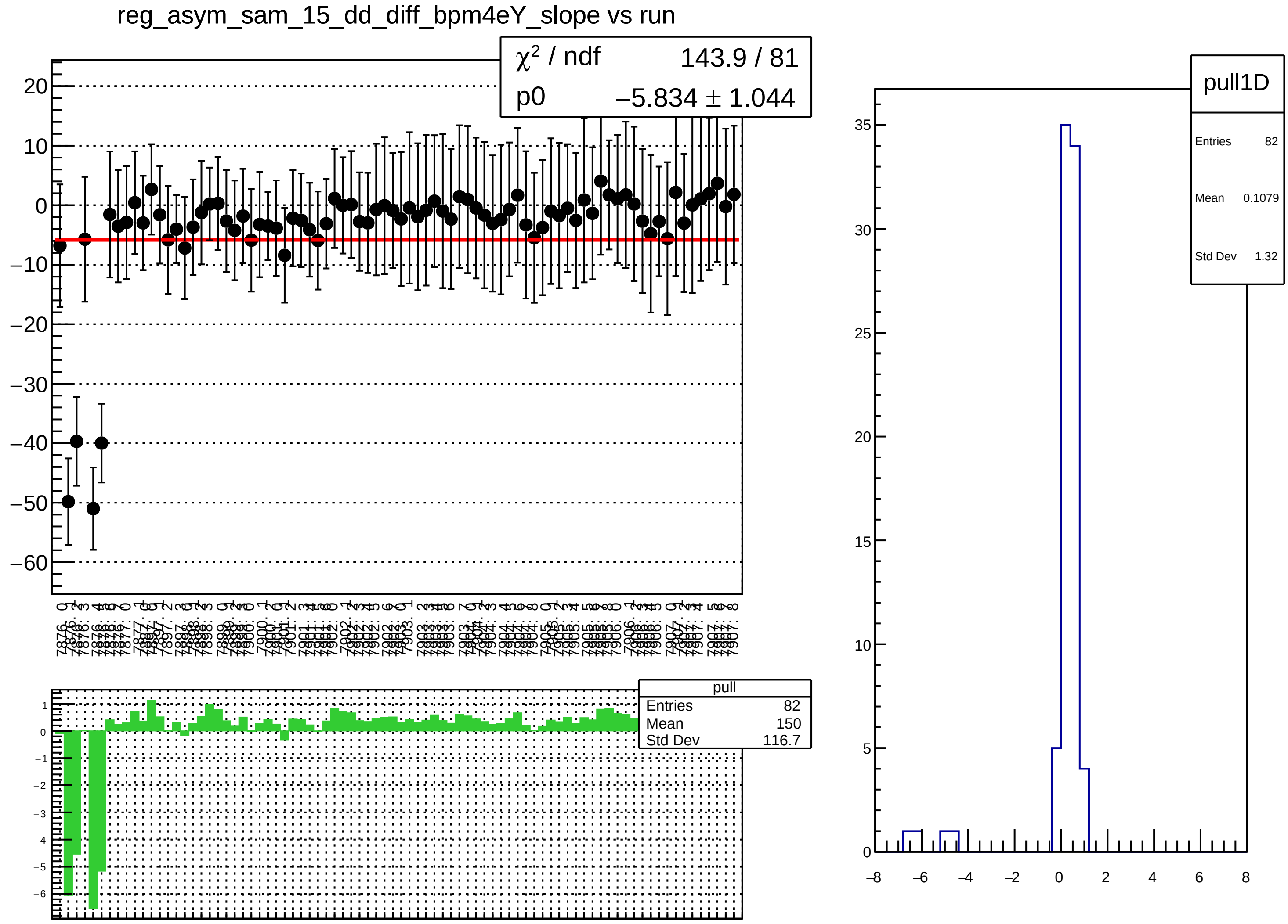


reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.771 / 81
p0 −0.4361 ± 0.8399
pull
Entries 82
Mean 201.2
Std Dev 165.9
pull1D
Entries 82
Mean 0.01882
Std Dev 0.2867

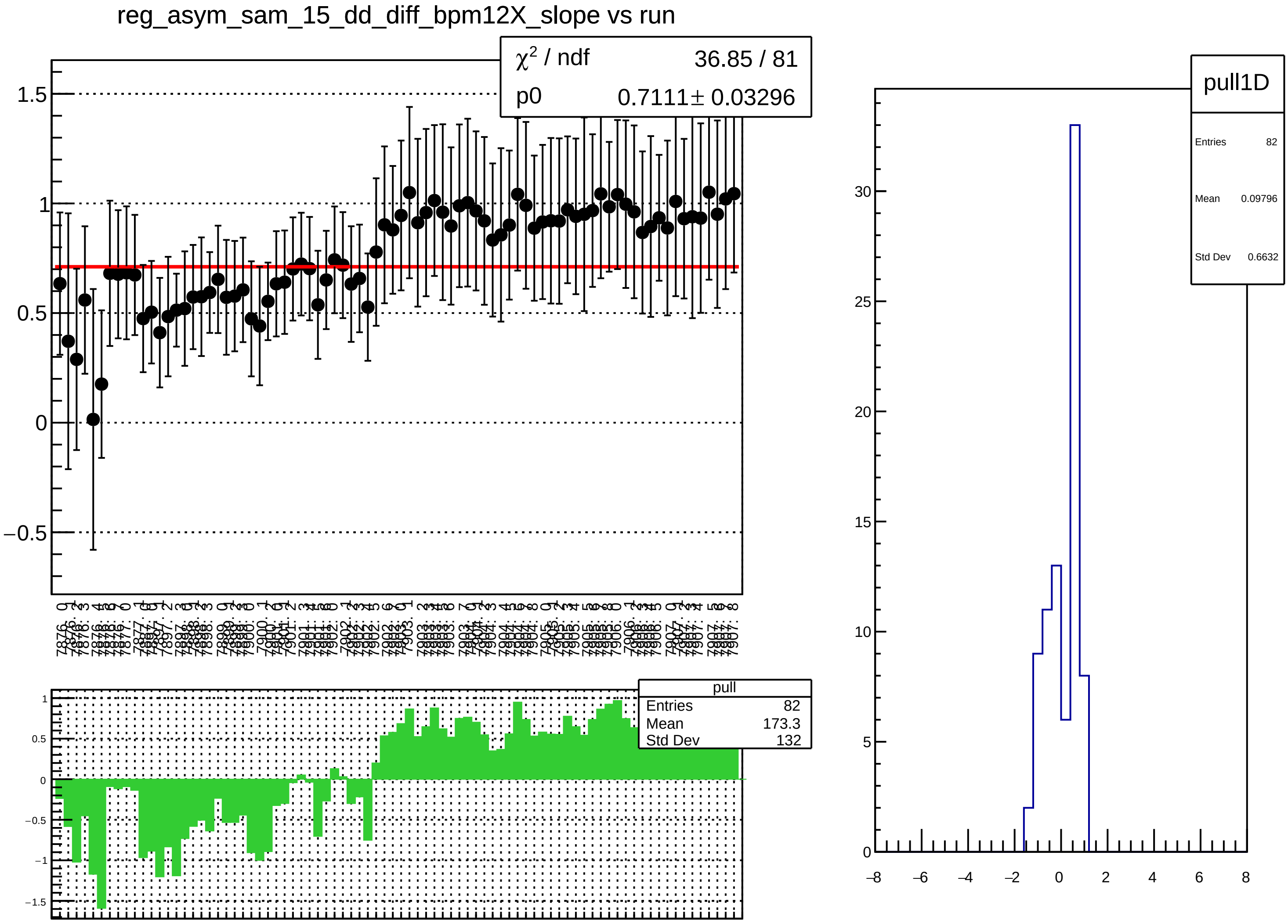

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 224.6 / 81
p0 −83.99 ± 0.8767
pull
Entries 82
Mean 93.75
Std Dev 57.22
pull1D
Entries 82
Mean −0.3831
Std Dev 1.349

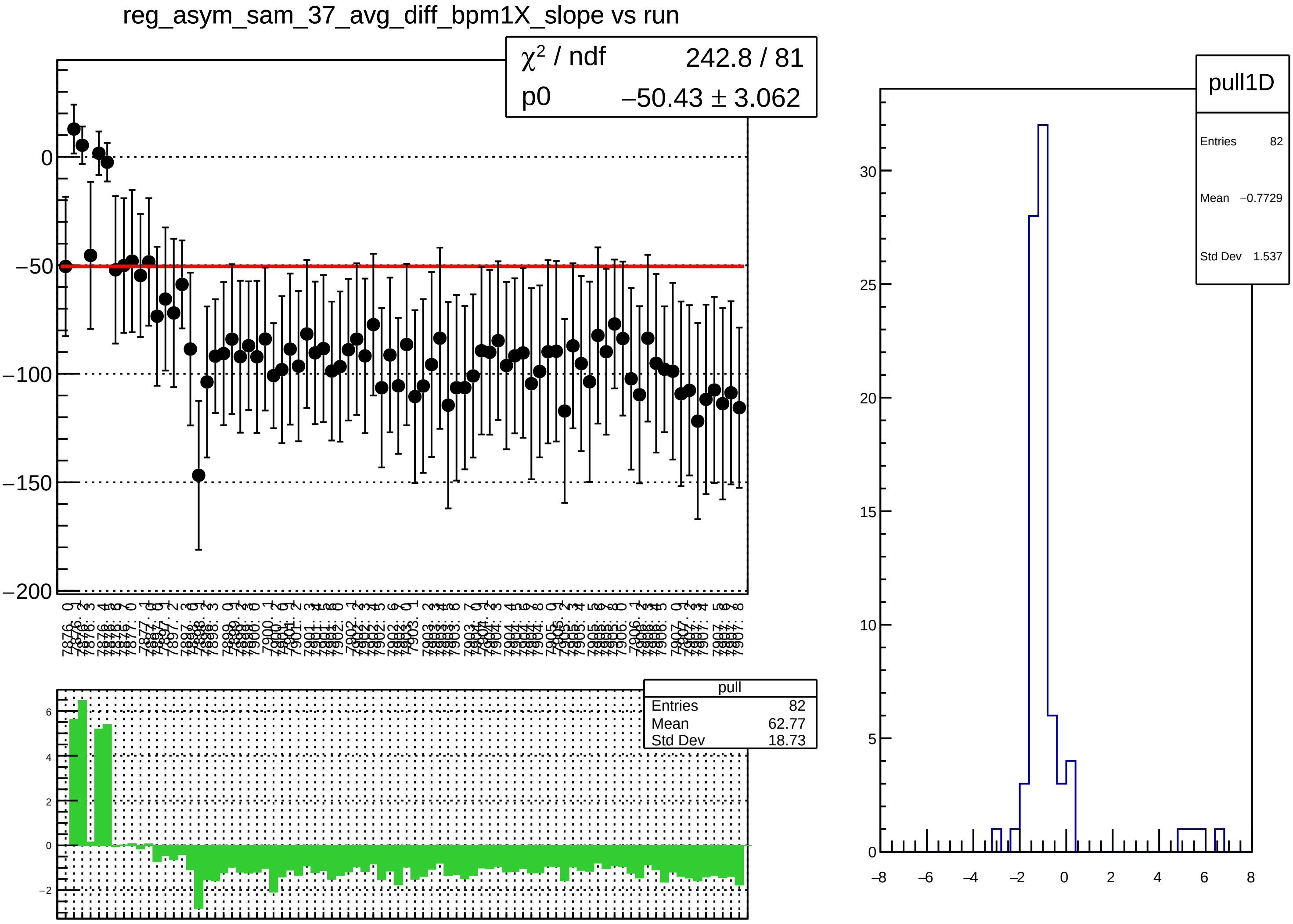


reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ2 / ndf 6.678 / 81
p0 −8.368 ± 0.6914
5
0
−5
−10
−15
−20
pull
Entries 82
Mean 342.4
Std Dev 308.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean −0.008451
Std Dev 0.2853
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

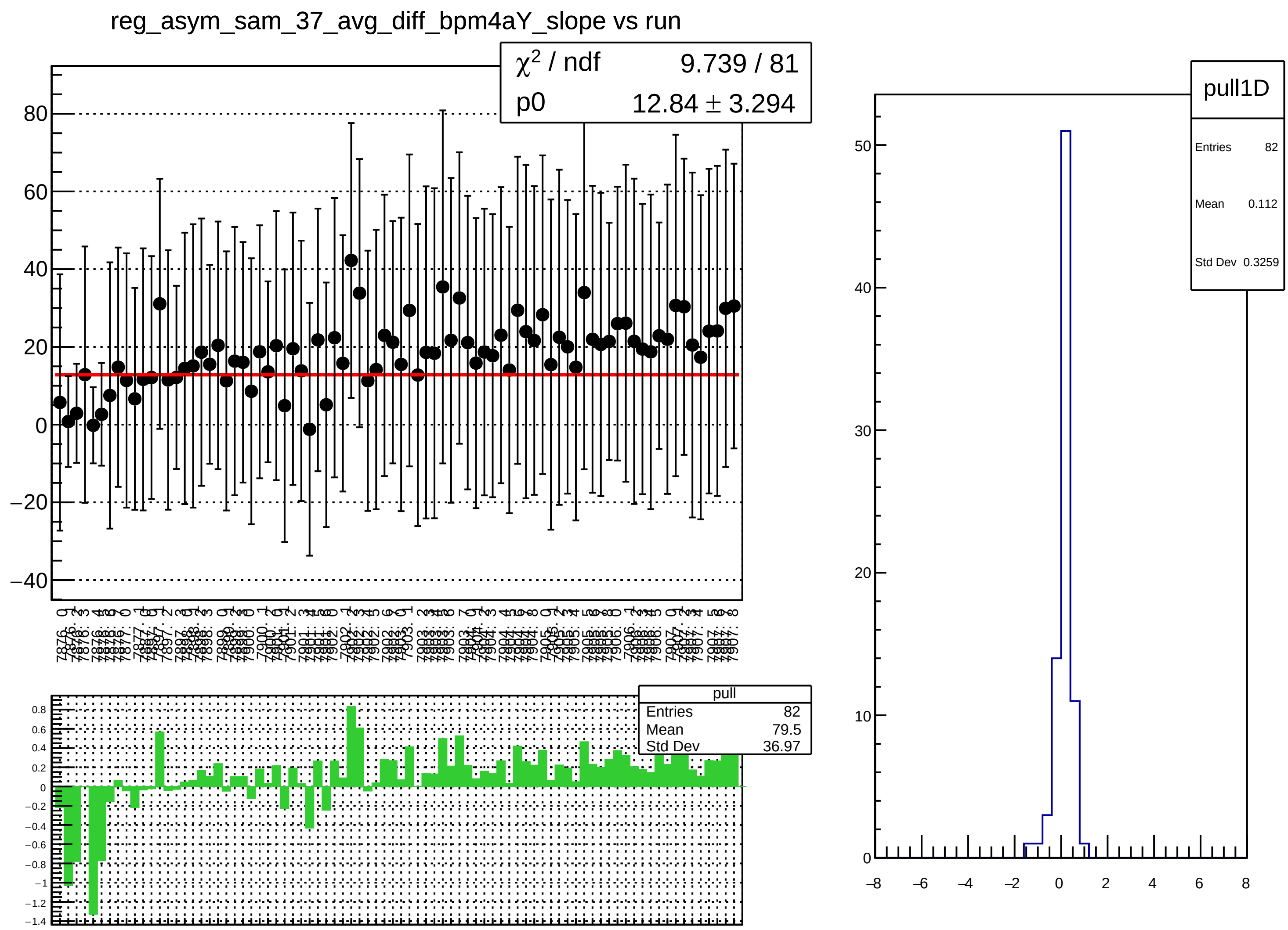


reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 143.9 / 81
p0 −5.834 ± 1.044
pull
Entries 82
Mean 150
Std Dev 116.7
pull1D
Entries 82
Mean 0.1079
Std Dev 1.32

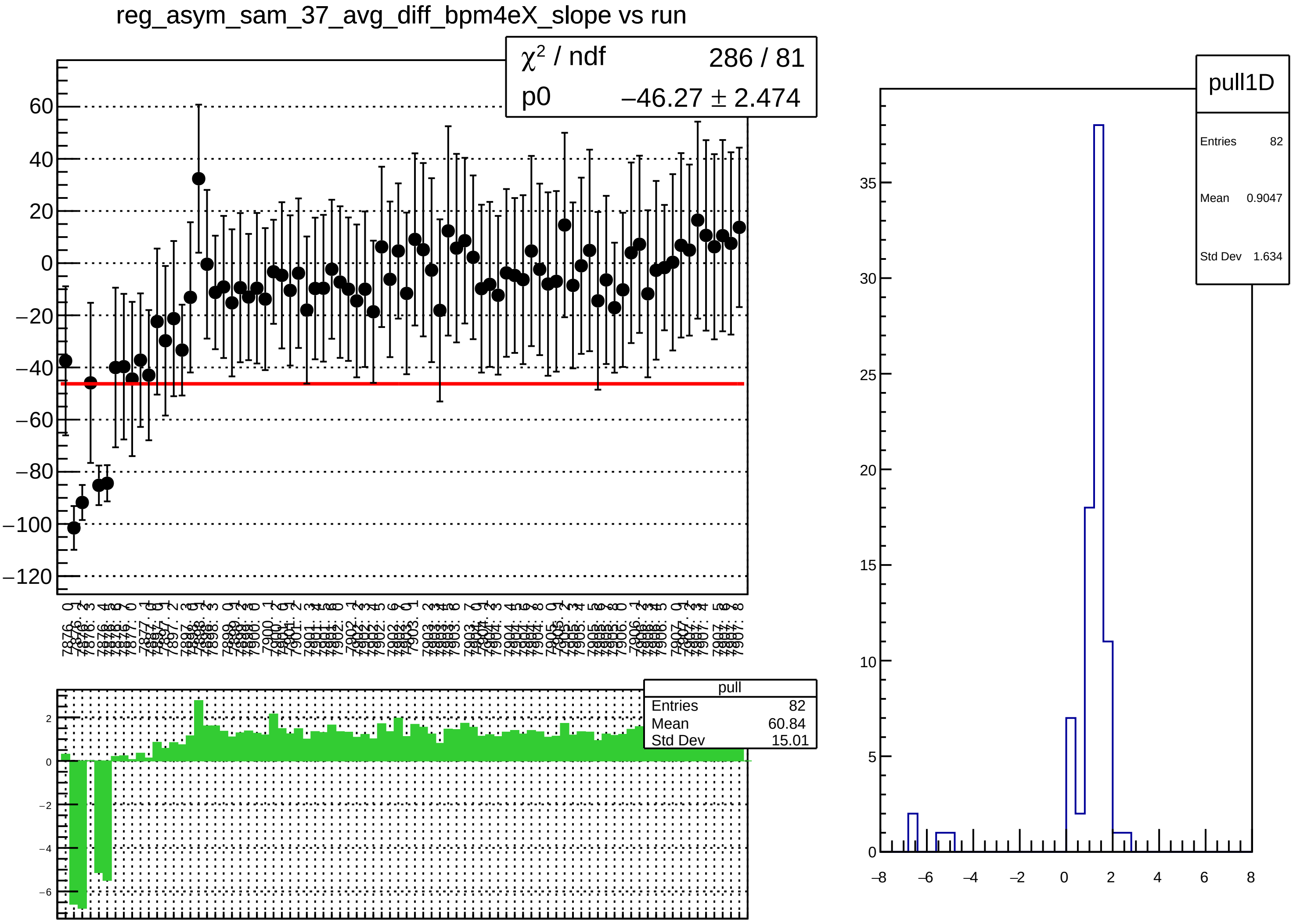

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ2 / ndf 36.85 / 81
p0 0.7111± 0.03296
pull
Entries 82
Mean 173.3
Std Dev 132
pull1D
Entries 82
Mean 0.09796
Std Dev 0.6632



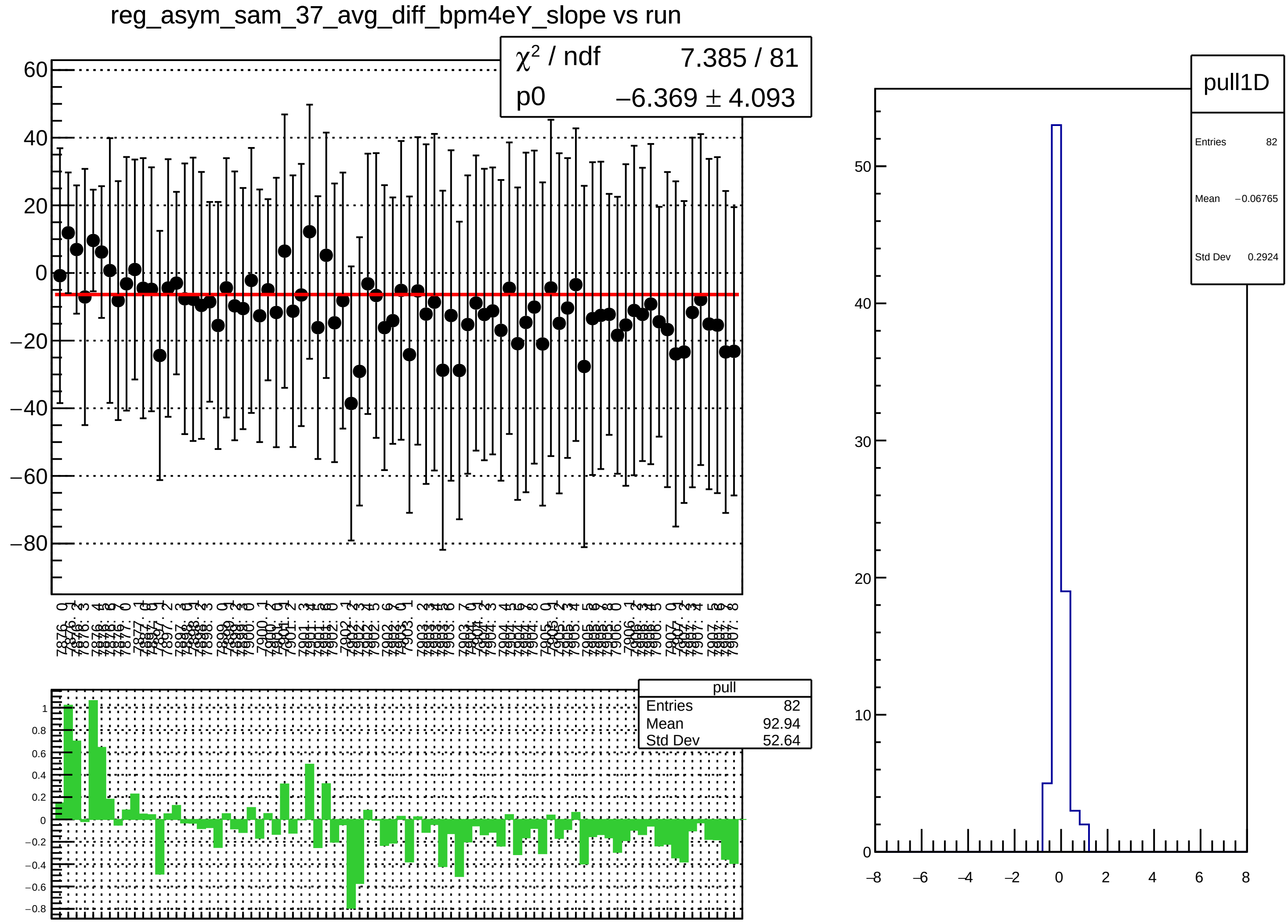
reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ2 / ndf 242.8 / 81
p0 −50.43 ± 3.062
0
−50
−100
−150
−200
pull
Entries 82
Mean 62.77
Std Dev 18.73
6
4
2
0
−2
pull1D
Entries 82
Mean −0.7729
Std Dev 1.537
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



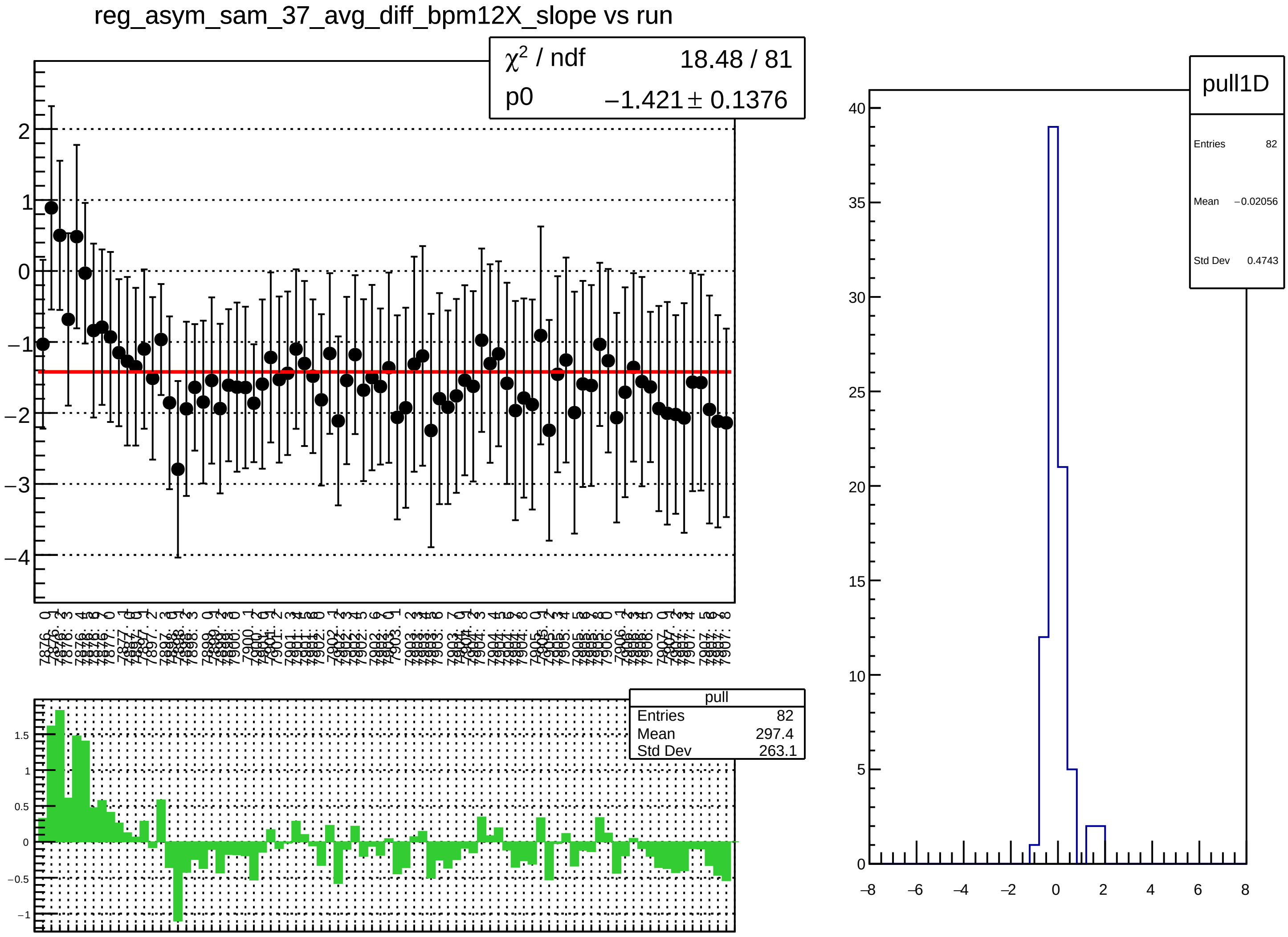
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.739 / 81
p0 12.84 ± 3.294
80
60
40
20
0
−20
−40
pull
Entries 82
Mean 79.5
Std Dev 36.97
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 82
Mean 0.112
Std Dev 0.3259
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



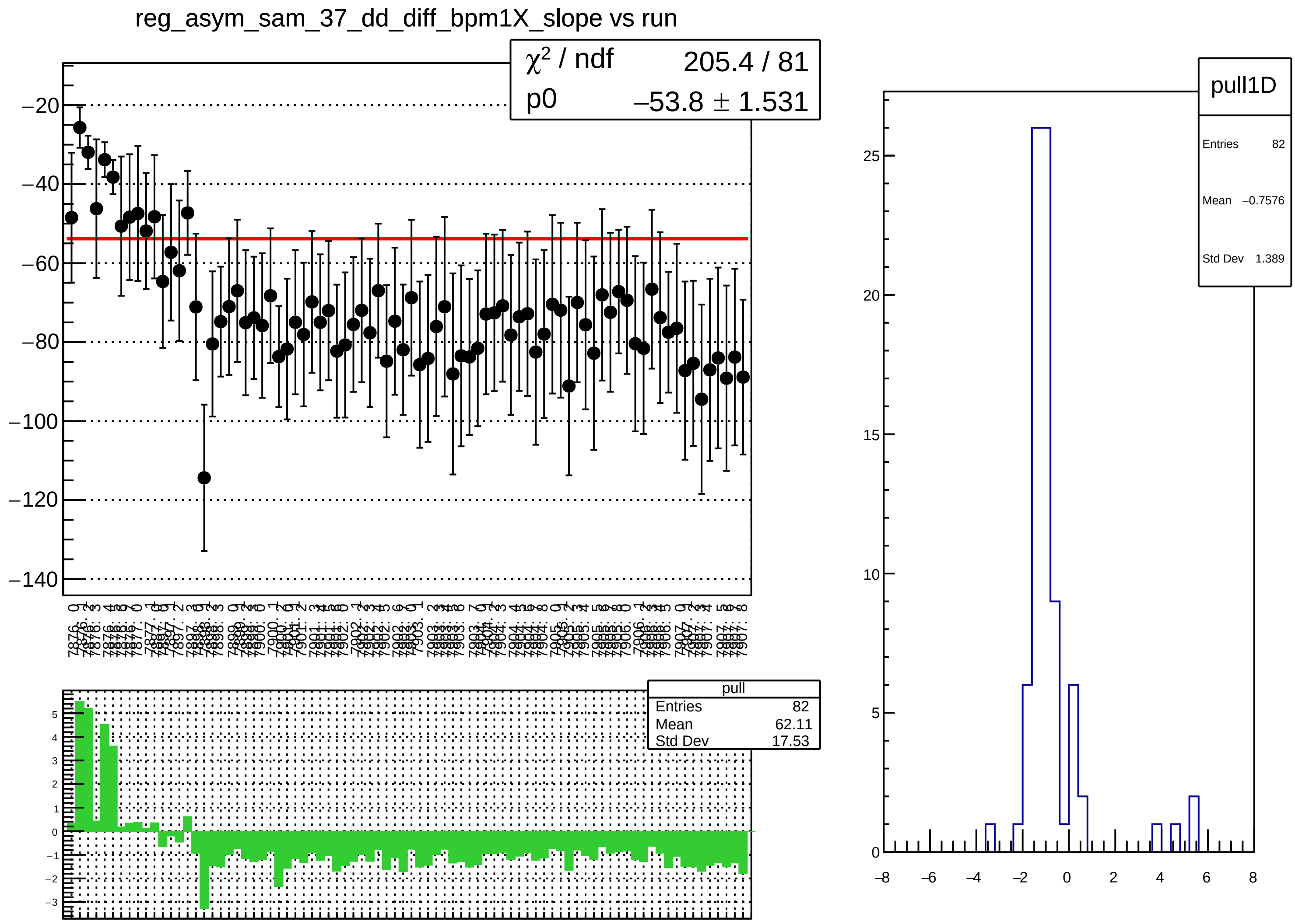
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 286 / 81
p0 −46.27 ± 2.474
pull
Entries 82
Mean 60.84
Std Dev 15.01
pull1D
Entries 82
Mean 0.9047
Std Dev 1.634



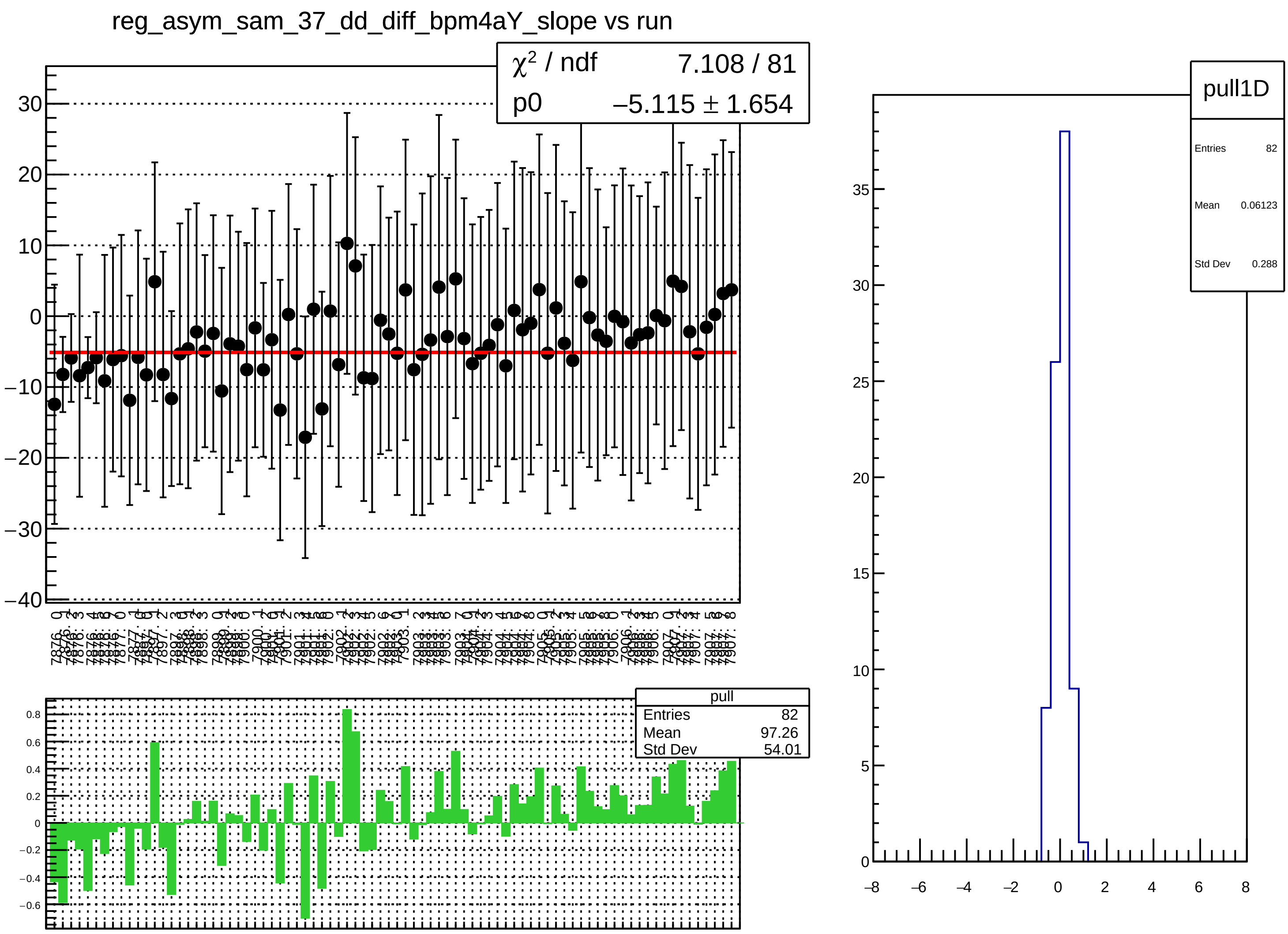
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.385 / 81
p0 −6.369 ± 4.093
pull
Entries 82
Mean 92.94
Std Dev 52.64
pull1D
Entries 82
Mean −0.06765
Std Dev 0.2924



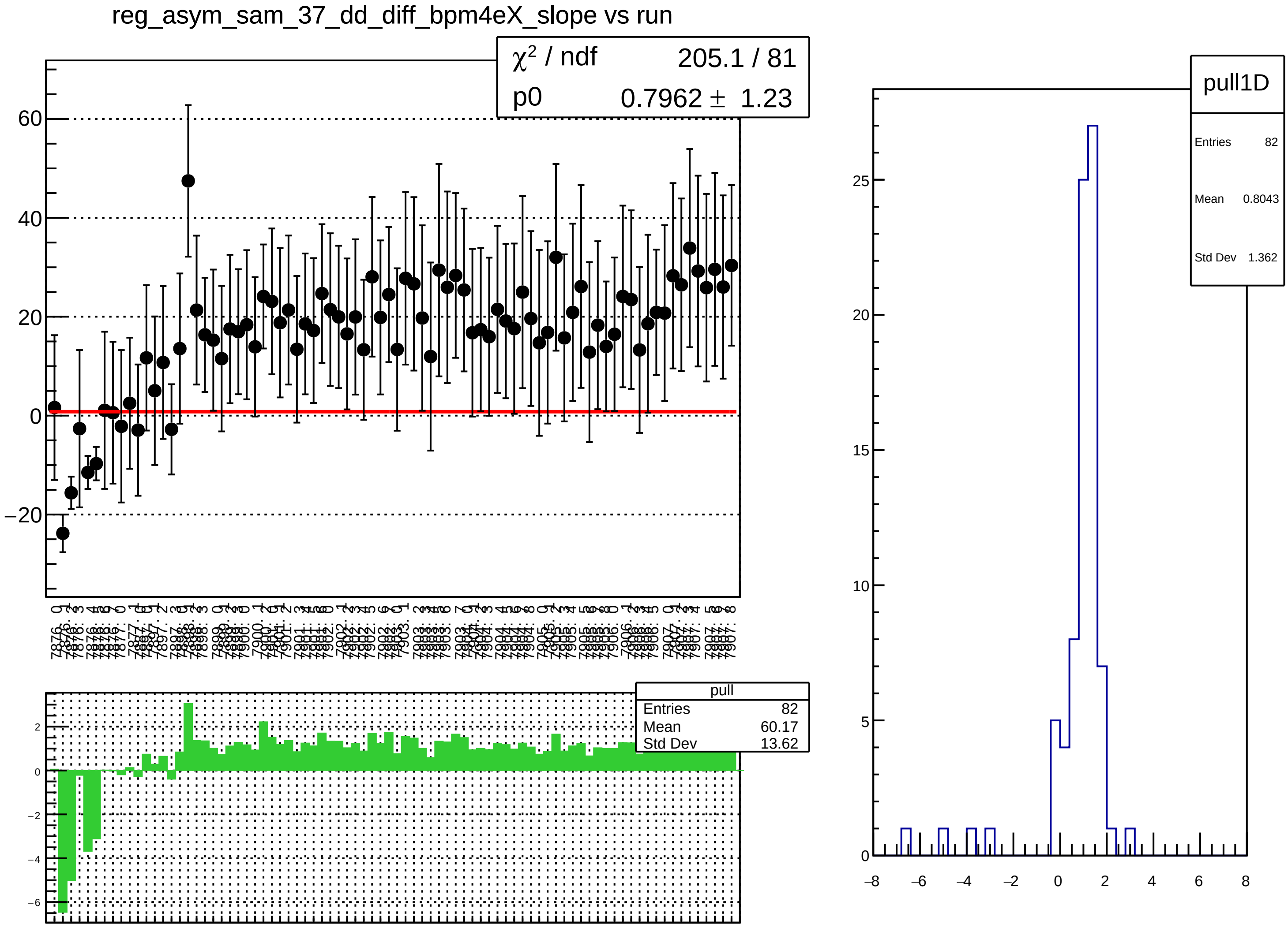
reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ2 / ndf 18.48 / 81
p0 −1.421 ± 0.1376
pull
Entries 82
Mean 297.4
Std Dev 263.1
pull1D
Entries 82
Mean −0.02056
Std Dev 0.4743



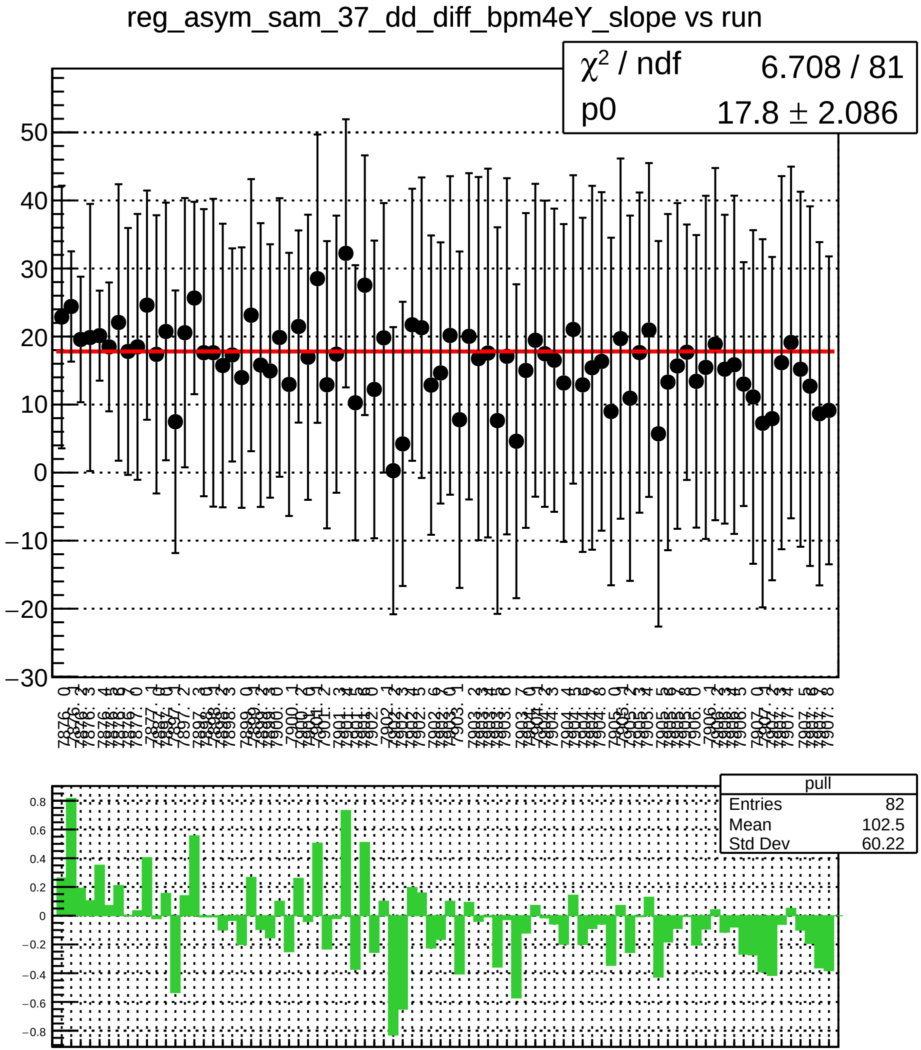
reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 205.4 / 81
p0 −53.8 ± 1.531
pull
Entries 82
Mean 62.11
Std Dev 17.53
pull1D
Entries 82
Mean −0.7576
Std Dev 1.389



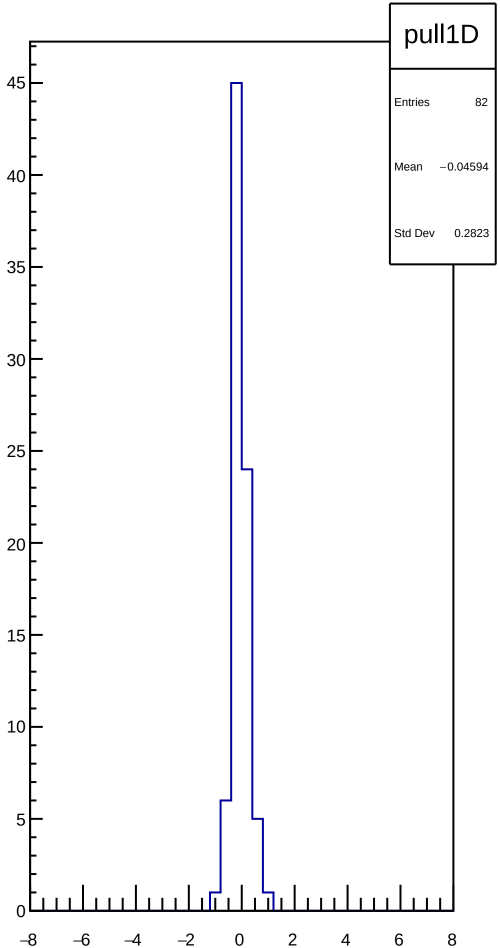
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.108 / 81
p0 −5.115 ± 1.654
pull
Entries 82
Mean 97.26
Std Dev 54.01
pull1D
Entries 82
Mean 0.06123
Std Dev 0.288



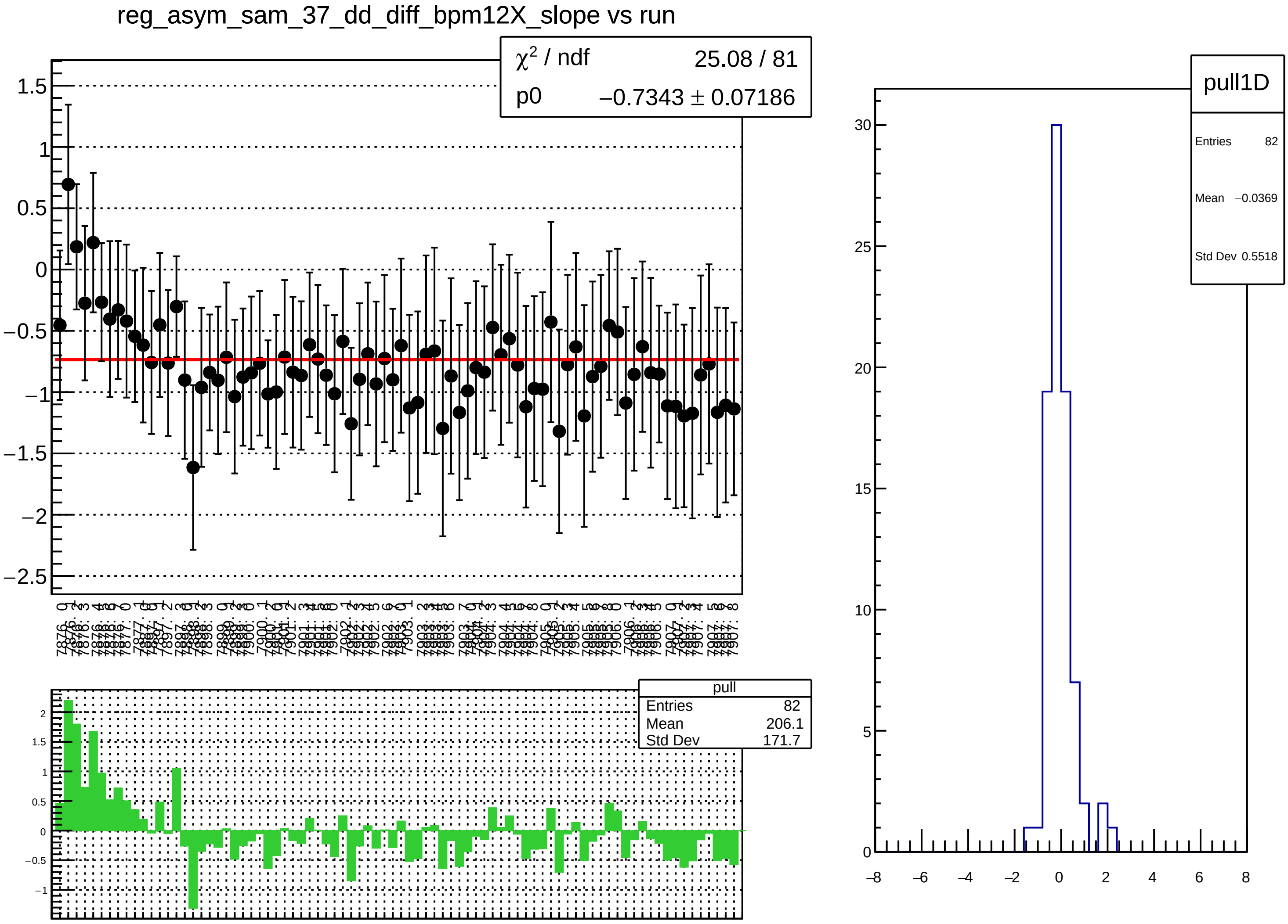
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 205.1 / 81
p0 0.7962 ± 1.23
pull
Entries 82
Mean 60.17
Std Dev 13.62
pull1D
Entries 82
Mean 0.8043
Std Dev 1.362



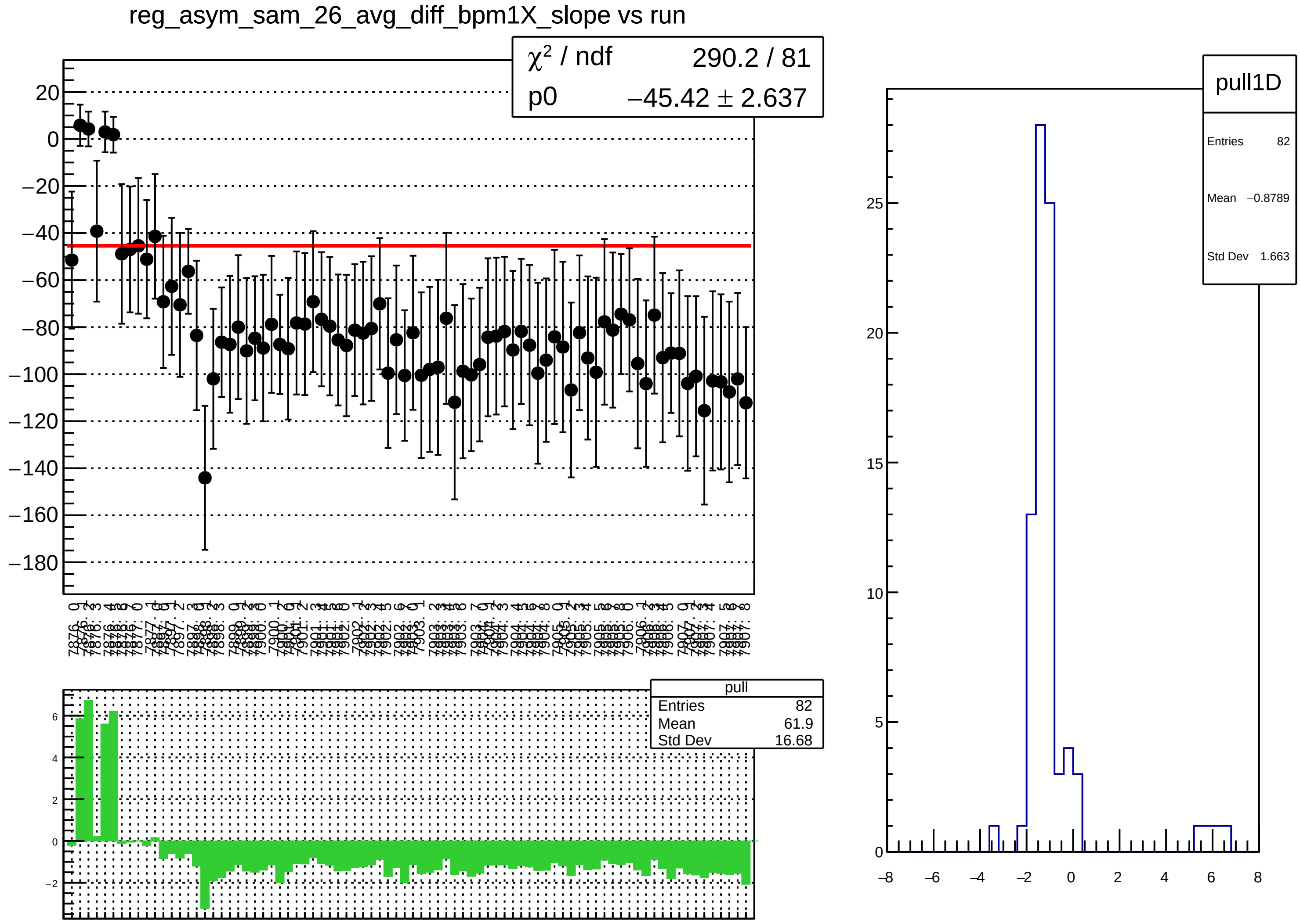
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 6.708 / 81
p0 17.8 ± 2.086
pull
Entries 82
Mean 102.5
Std Dev 60.22



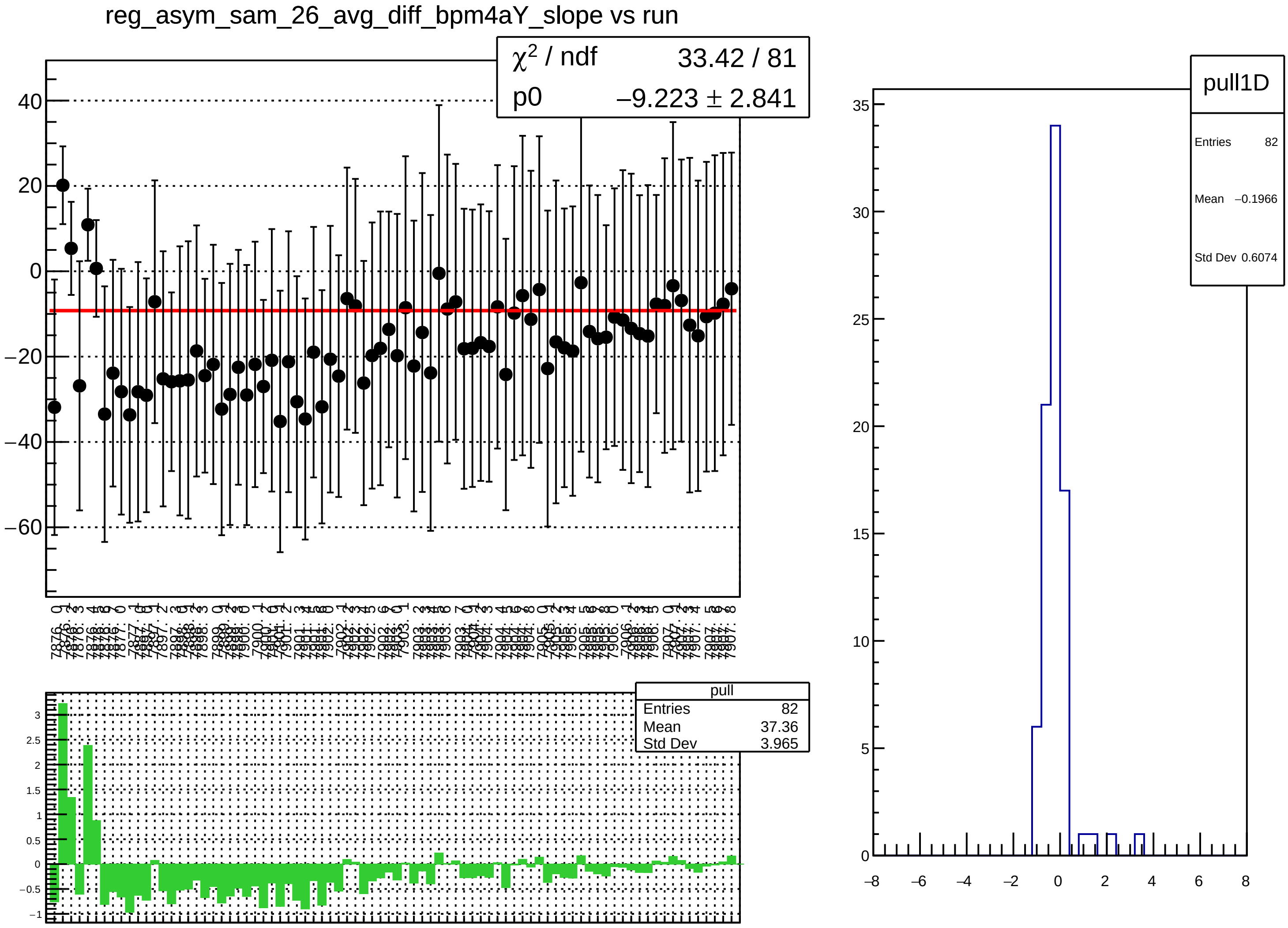
pull1D
Entries 82
Mean −0.04594
Std Dev 0.2823



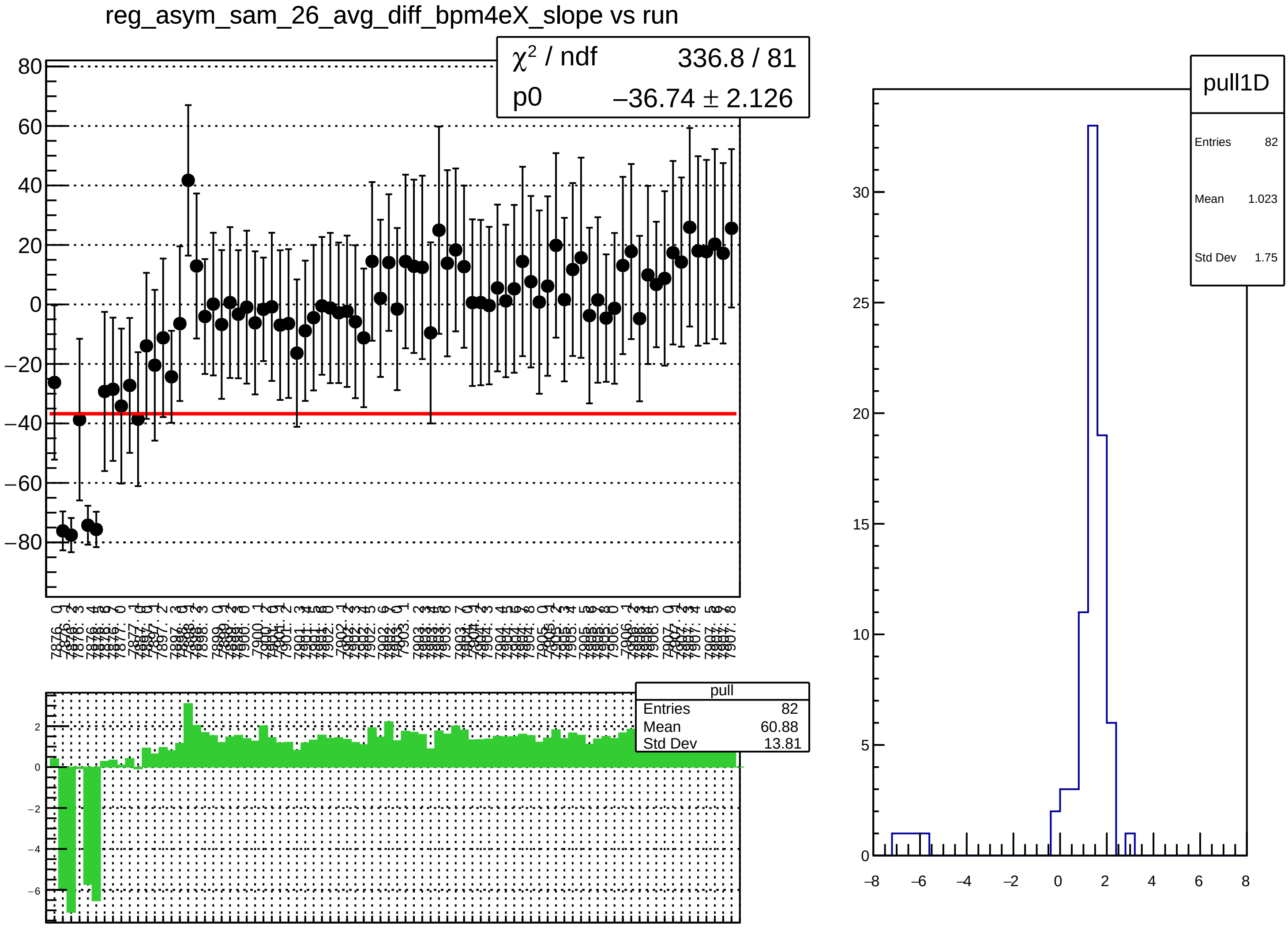
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 25.08 / 81
p0 −0.7343 ± 0.07186
pull
Entries 82
Mean 206.1
Std Dev 171.7
pull1D
Entries 82
Mean −0.0369
Std Dev 0.5518



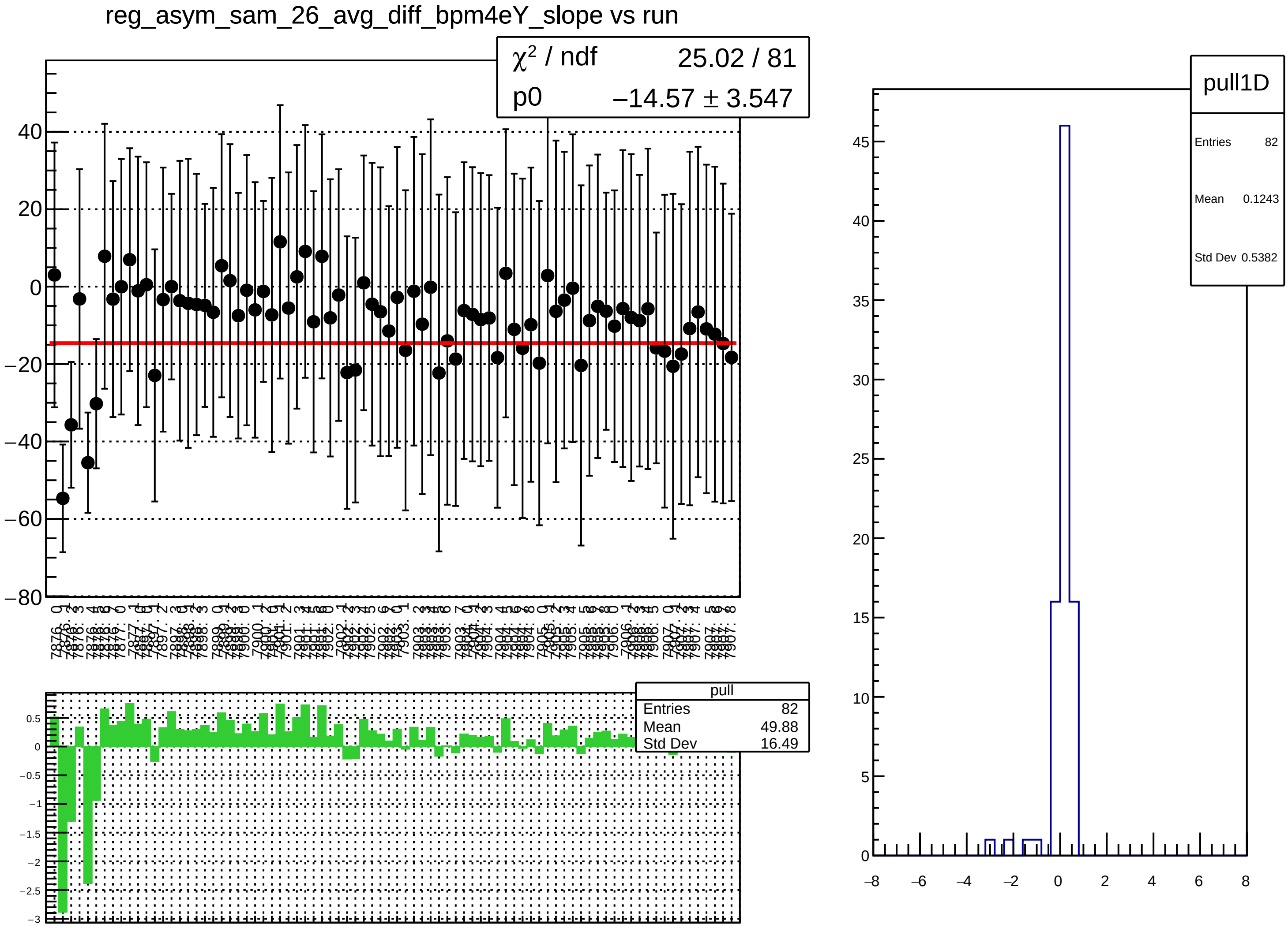
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ2 / ndf 290.2 / 81
p0 −45.42 ± 2.637
pull
Entries 82
Mean 61.9
Std Dev 16.68
pull1D
Entries 82
Mean −0.8789
Std Dev 1.663



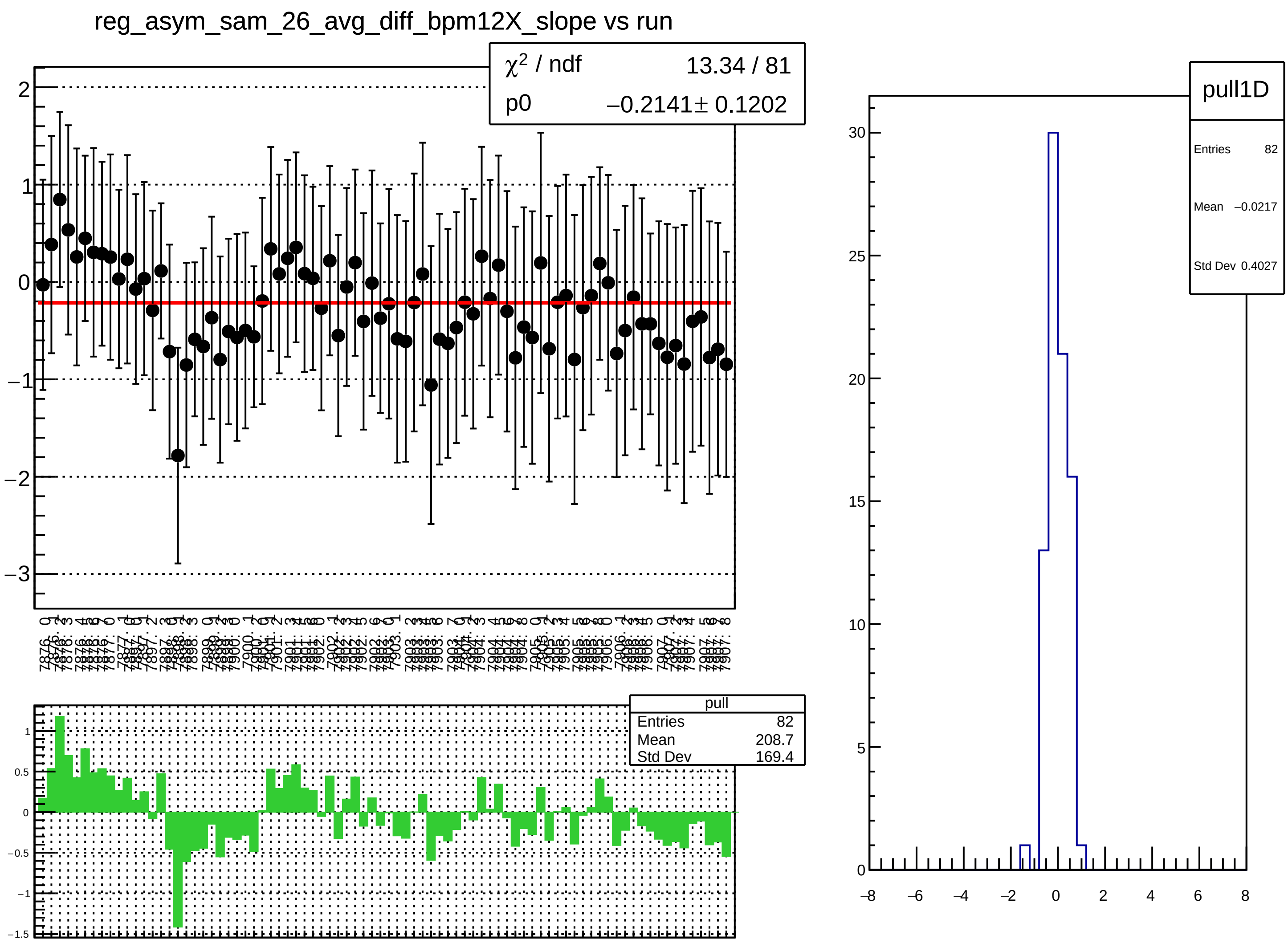
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 33.42 / 81
p0 −9.223 ± 2.841
pull
Entries 82
Mean 37.36
Std Dev 3.965
pull1D
Entries 82
Mean −0.1966
Std Dev 0.6074



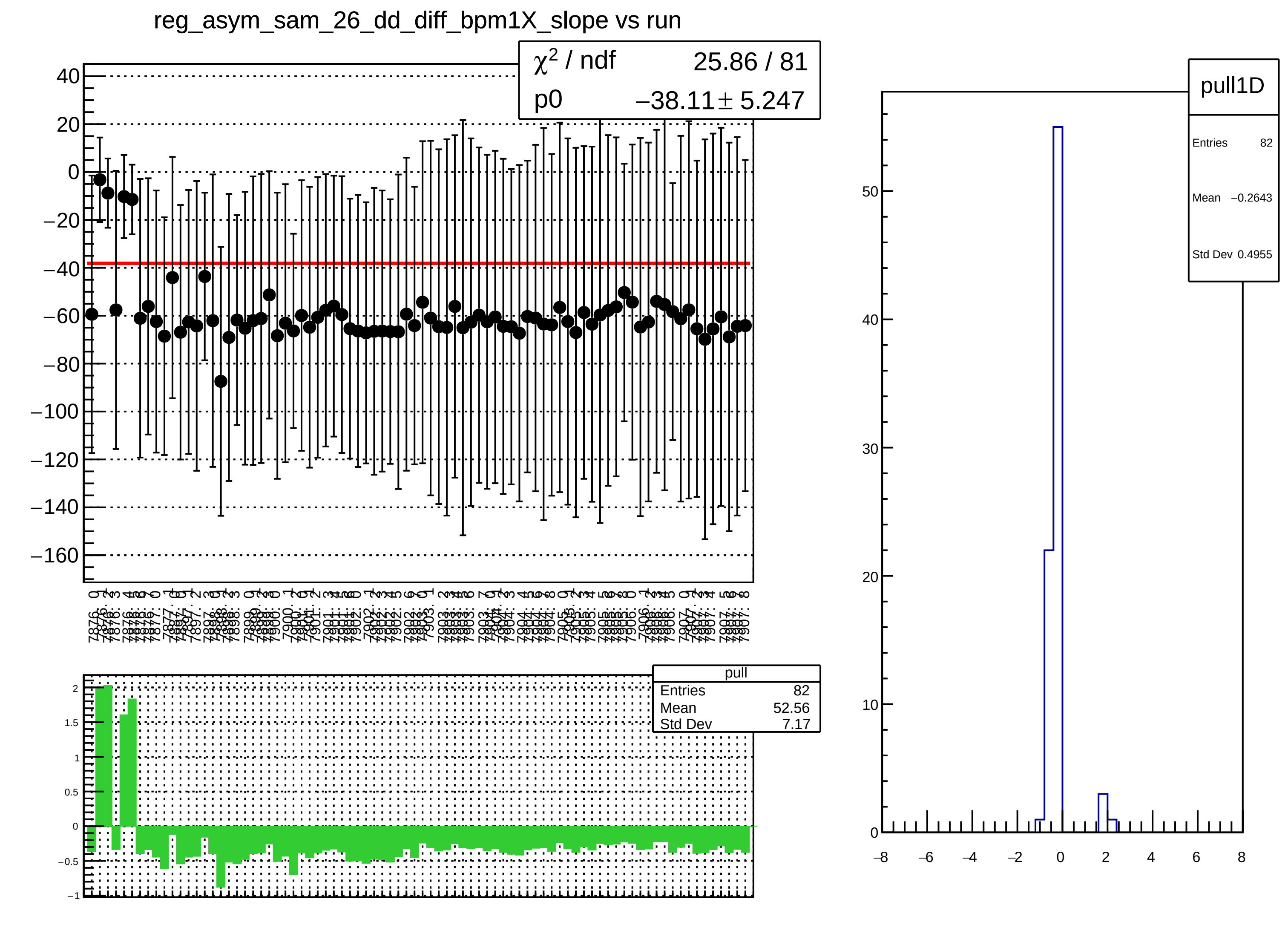
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 336.8 / 81
p0 −36.74 ± 2.126
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 82
Mean 60.88
Std Dev 13.81
2
0
−2
−4
−6
pull1D
Entries 82
Mean 1.023
Std Dev 1.75
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



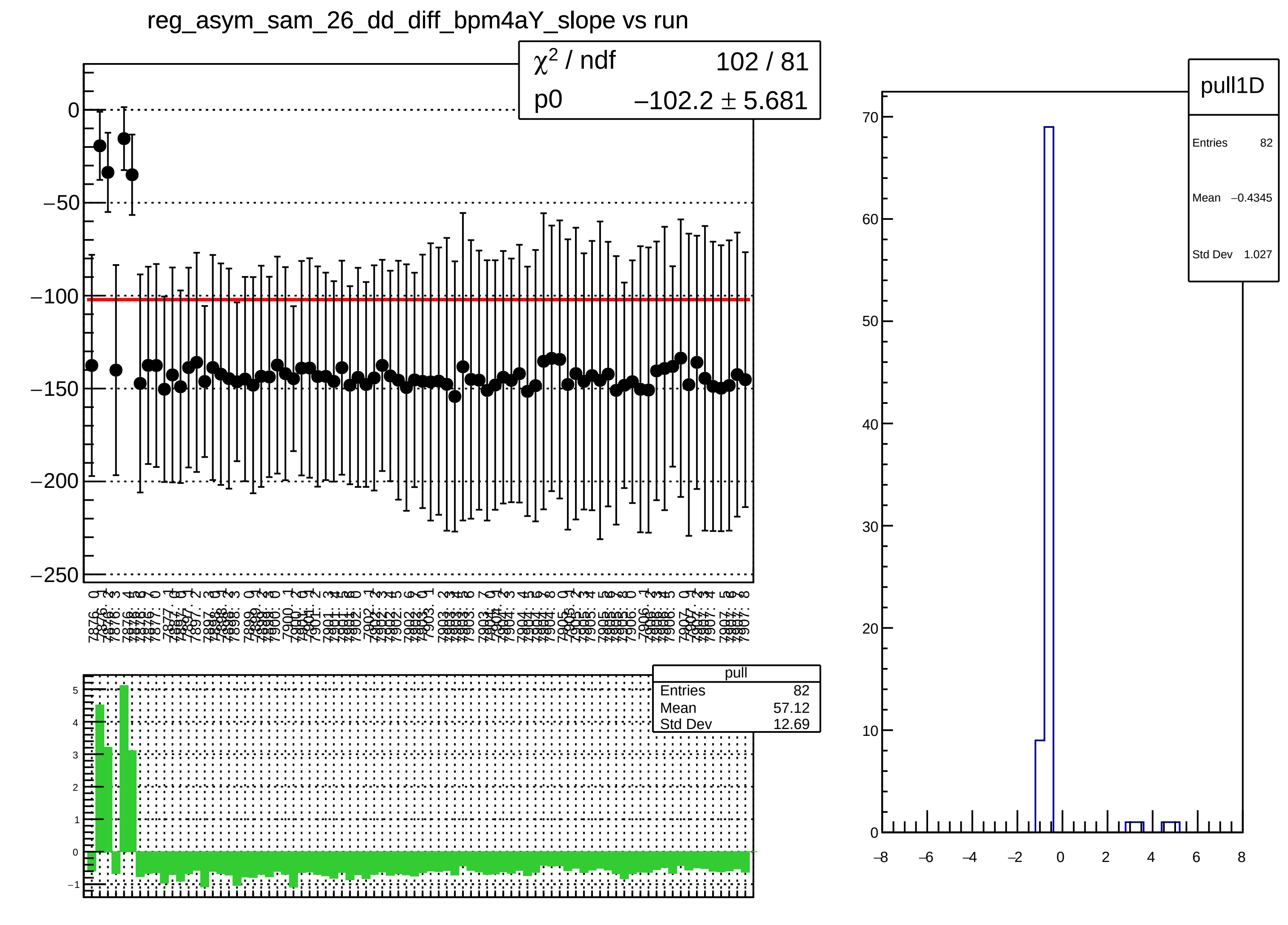
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ2 / ndf 25.02 / 81
p0 −14.57 ± 3.547
pull
Entries 82
Mean 49.88
Std Dev 16.49
pull1D
Entries 82
Mean 0.1243
Std Dev 0.5382



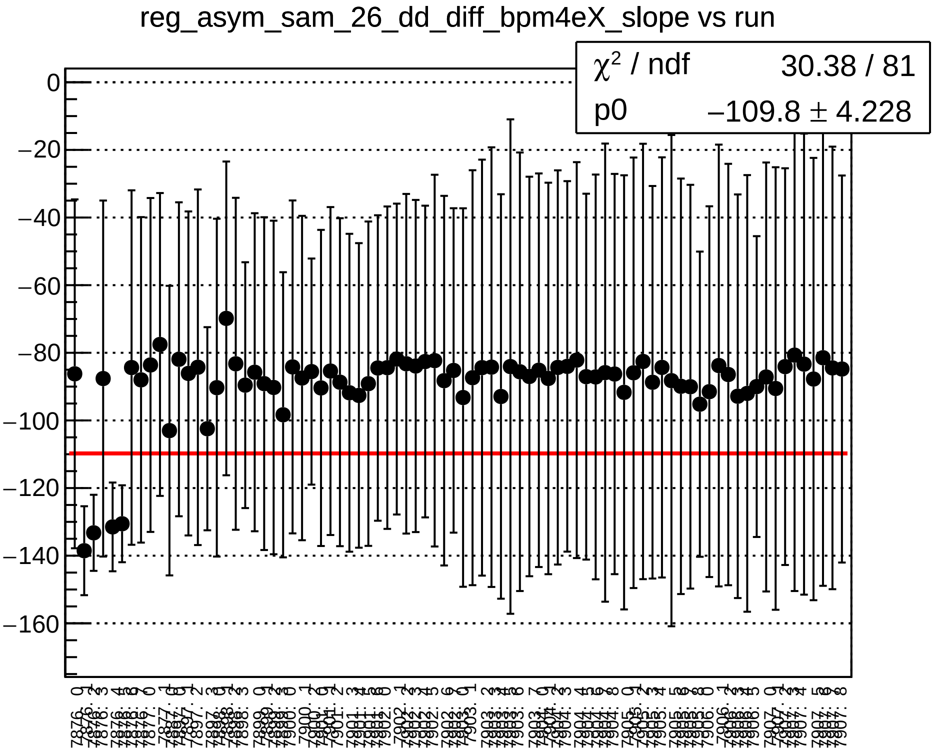
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.34 / 81
p0 −0.2141 ± 0.1202
pull
Entries 82
Mean 208.7
Std Dev 169.4
pull1D
Entries 82
Mean −0.0217
Std Dev 0.4027



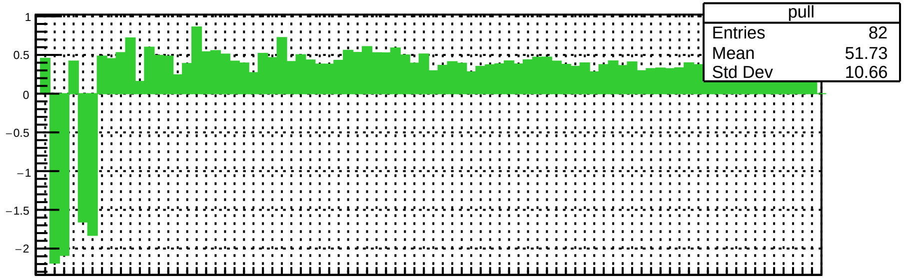
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 25.86 / 81
p0 −38.11 ± 5.247
pull
Entries 82
Mean 52.56
Std Dev 7.17
pull1D
Entries 82
Mean −0.2643
Std Dev 0.4955



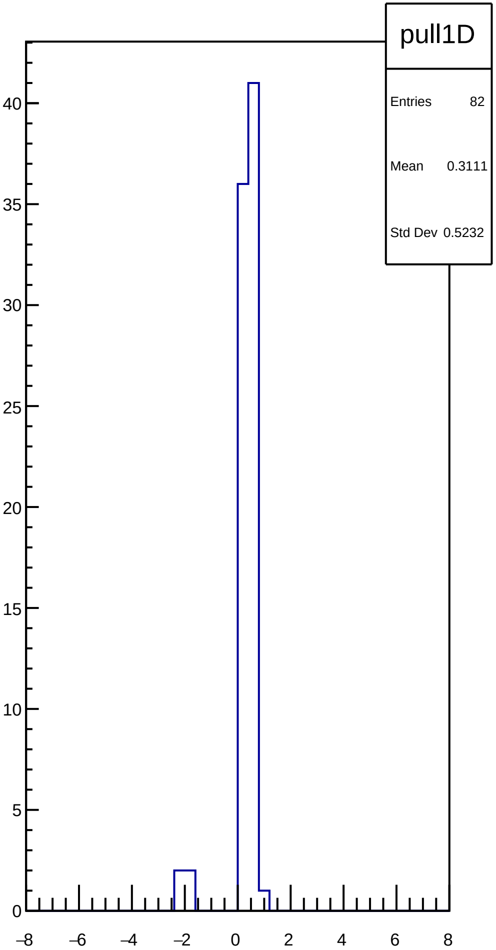
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 102 / 81
p0 −102.2 ± 5.681
pull
Entries 82
Mean 57.12
Std Dev 12.69
pull1D
Entries 82
Mean −0.4345
Std Dev 1.027



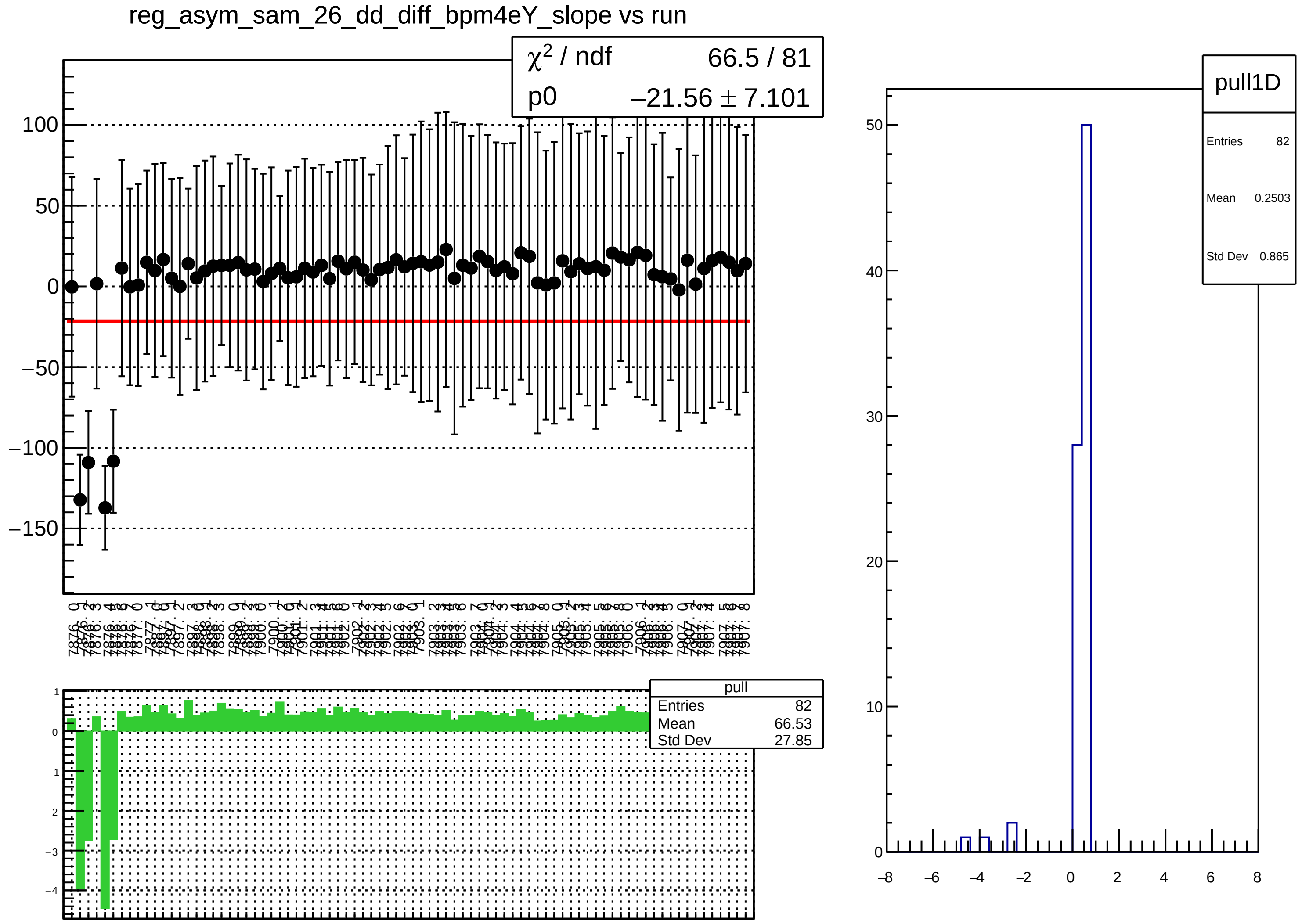
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 30.38 / 81
p0 −109.8 ± 4.228



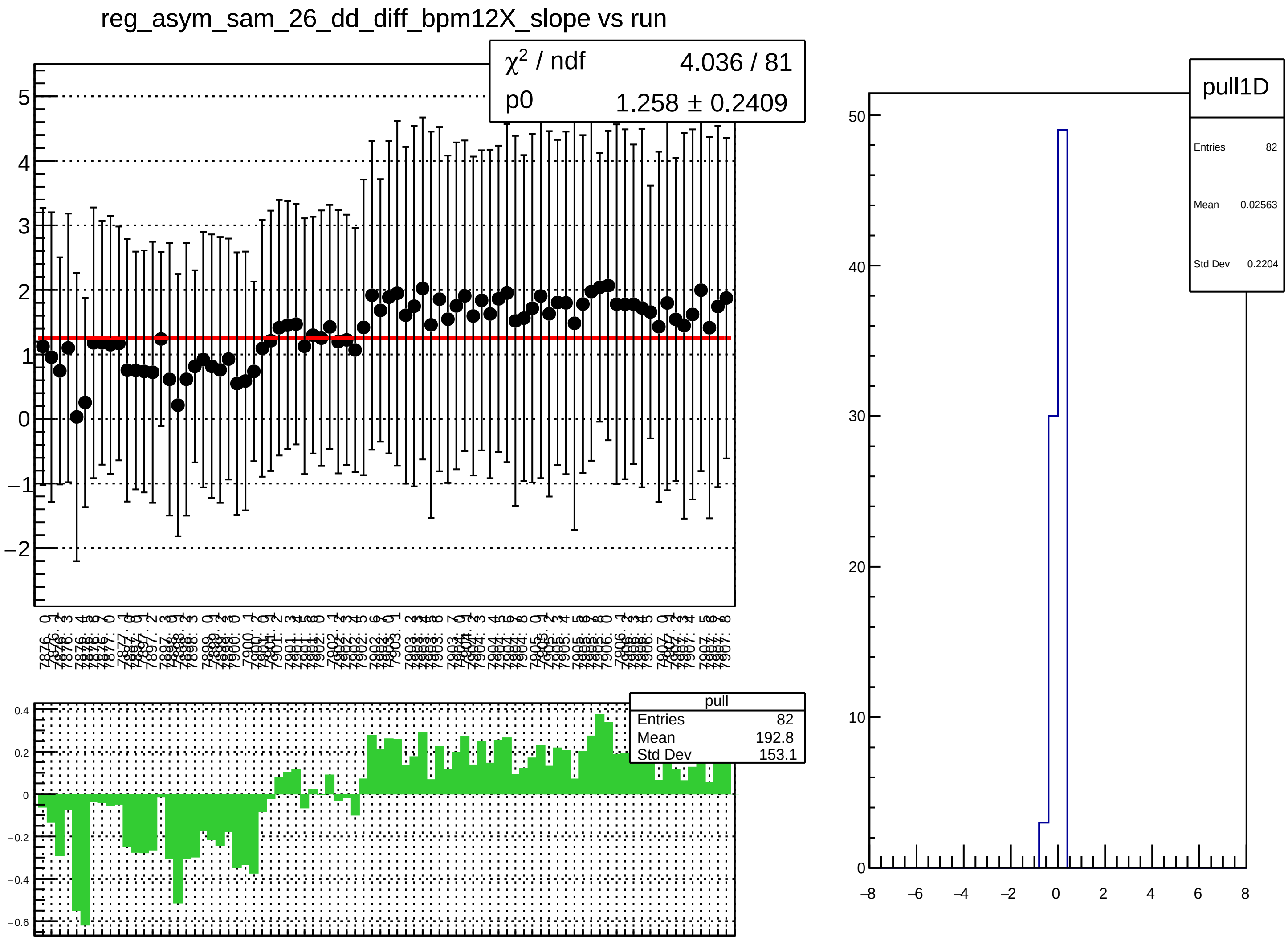
pull
Entries 82
Mean 51.73
Std Dev 10.66



pull1D
Entries 82
Mean 0.3111
Std Dev 0.5232

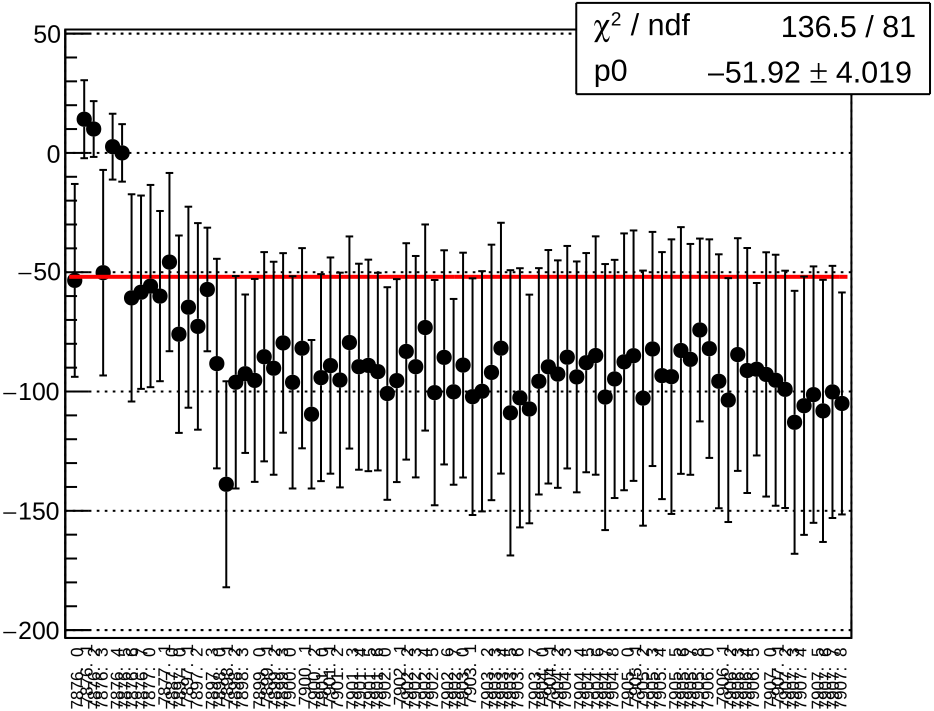


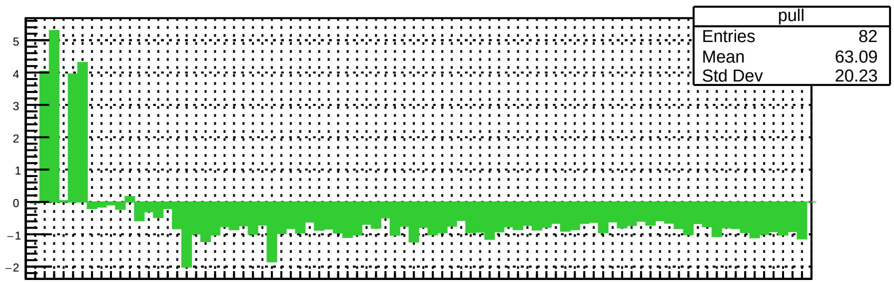
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 66.5 / 81
p0 −21.56 ± 7.101
pull
Entries 82
Mean 66.53
Std Dev 27.85
pull1D
Entries 82
Mean 0.2503
Std Dev 0.865

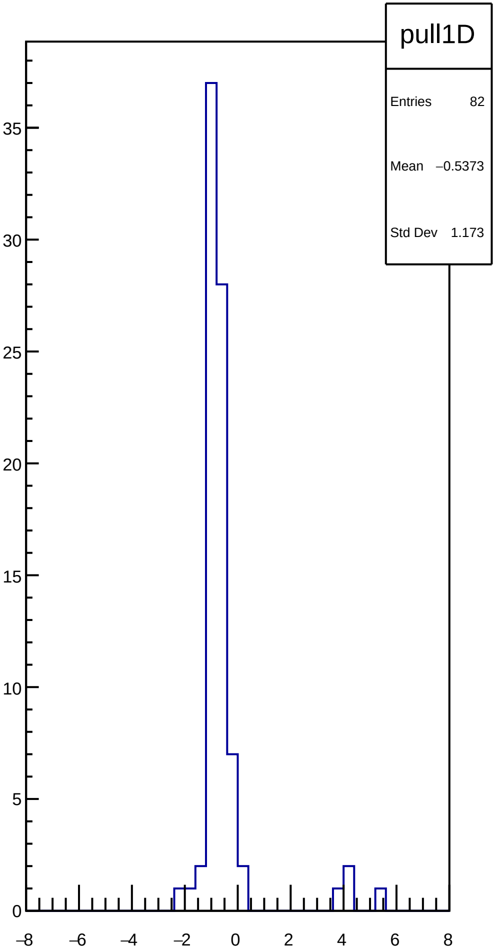


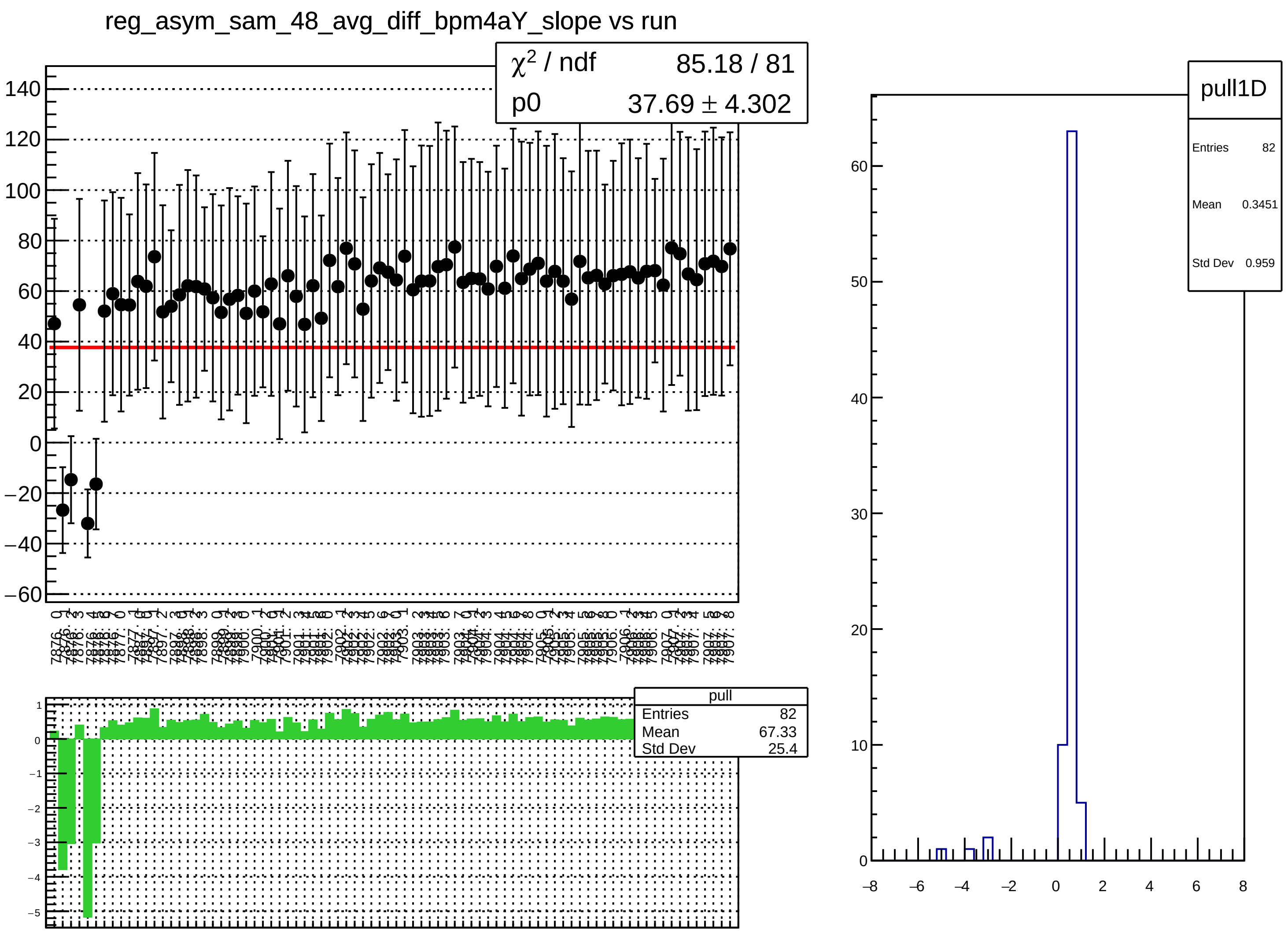
reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 4.036 / 81
p0 1.258 ± 0.2409
pull
Entries 82
Mean 192.8
Std Dev 153.1
pull1D
Entries 82
Mean 0.02563
Std Dev 0.2204

reg_asym_sam_48_avg_diff_bpm1X_slope vs run

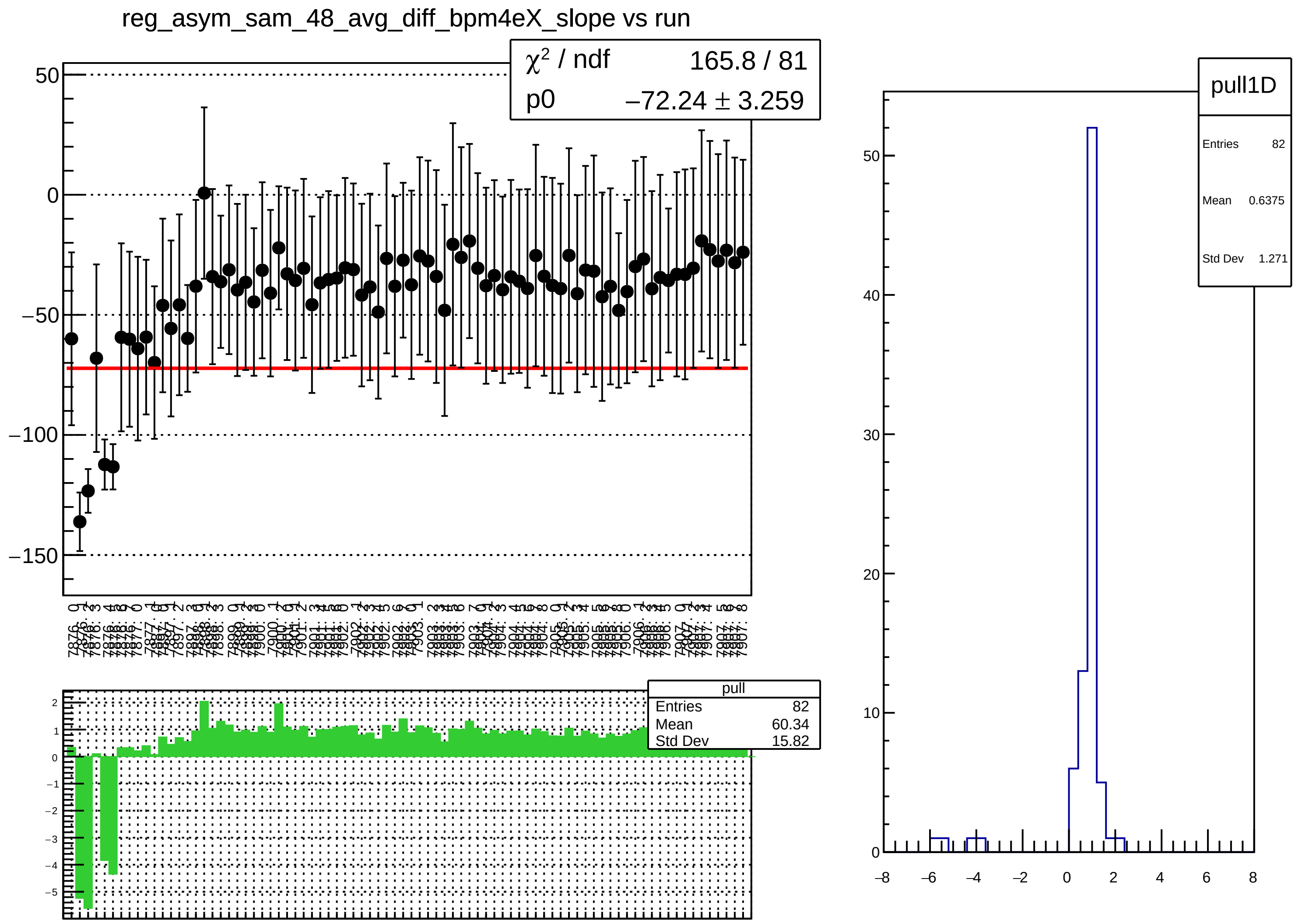




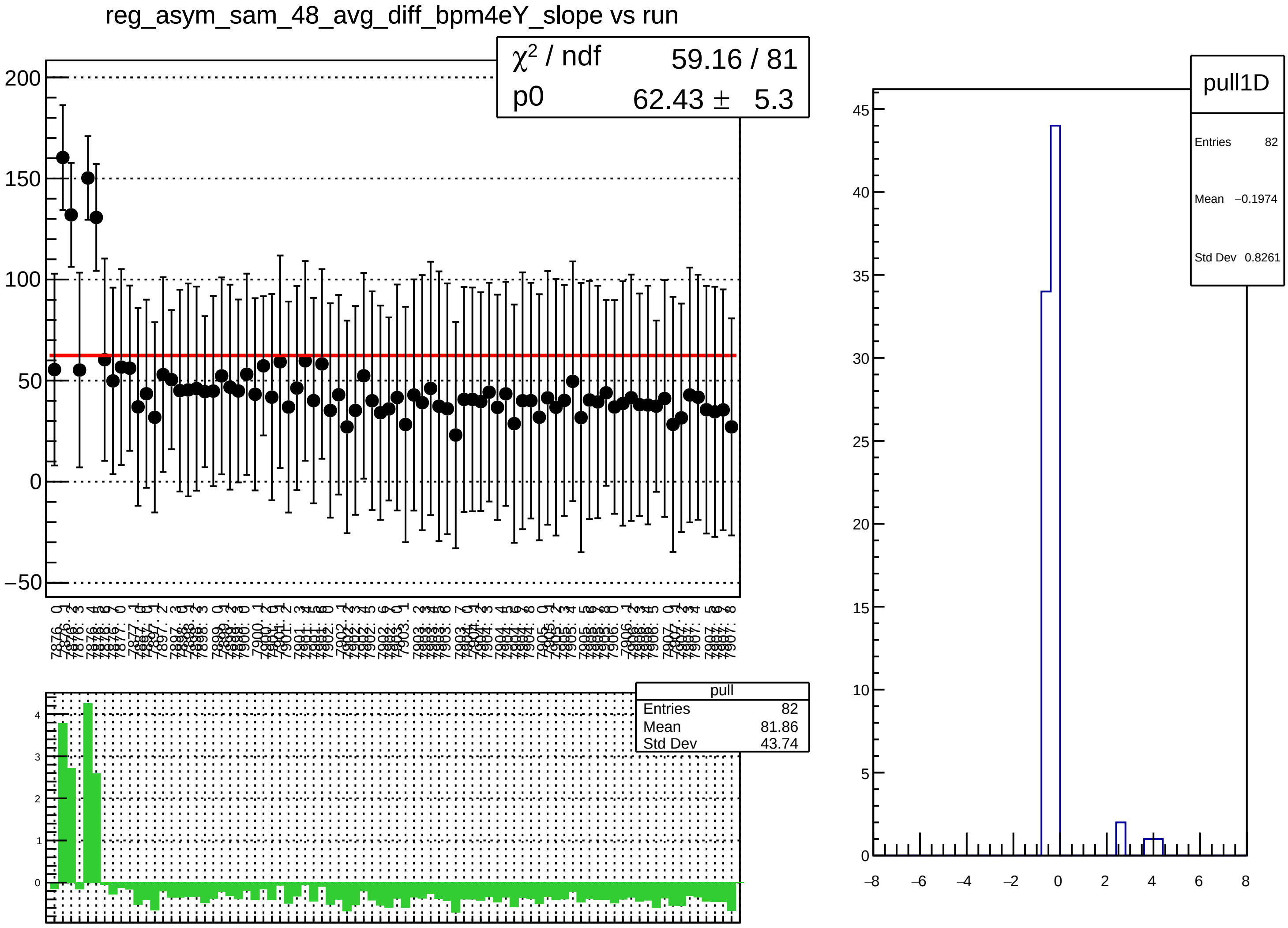


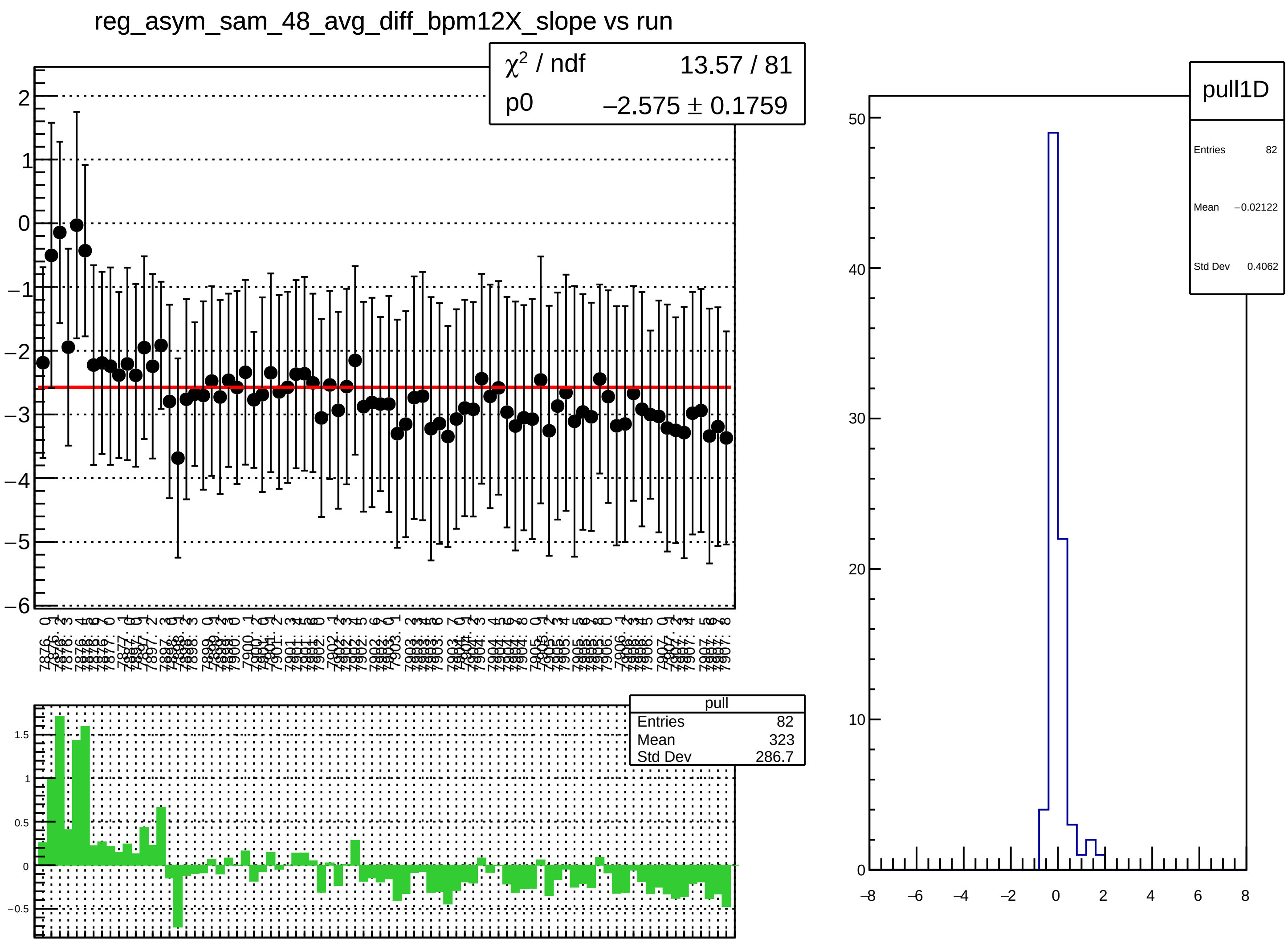


reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 85.18 / 81
p0 37.69 ± 4.302
pull
Entries 82
Mean 67.33
Std Dev 25.4
pull1D
Entries 82
Mean 0.3451
Std Dev 0.959

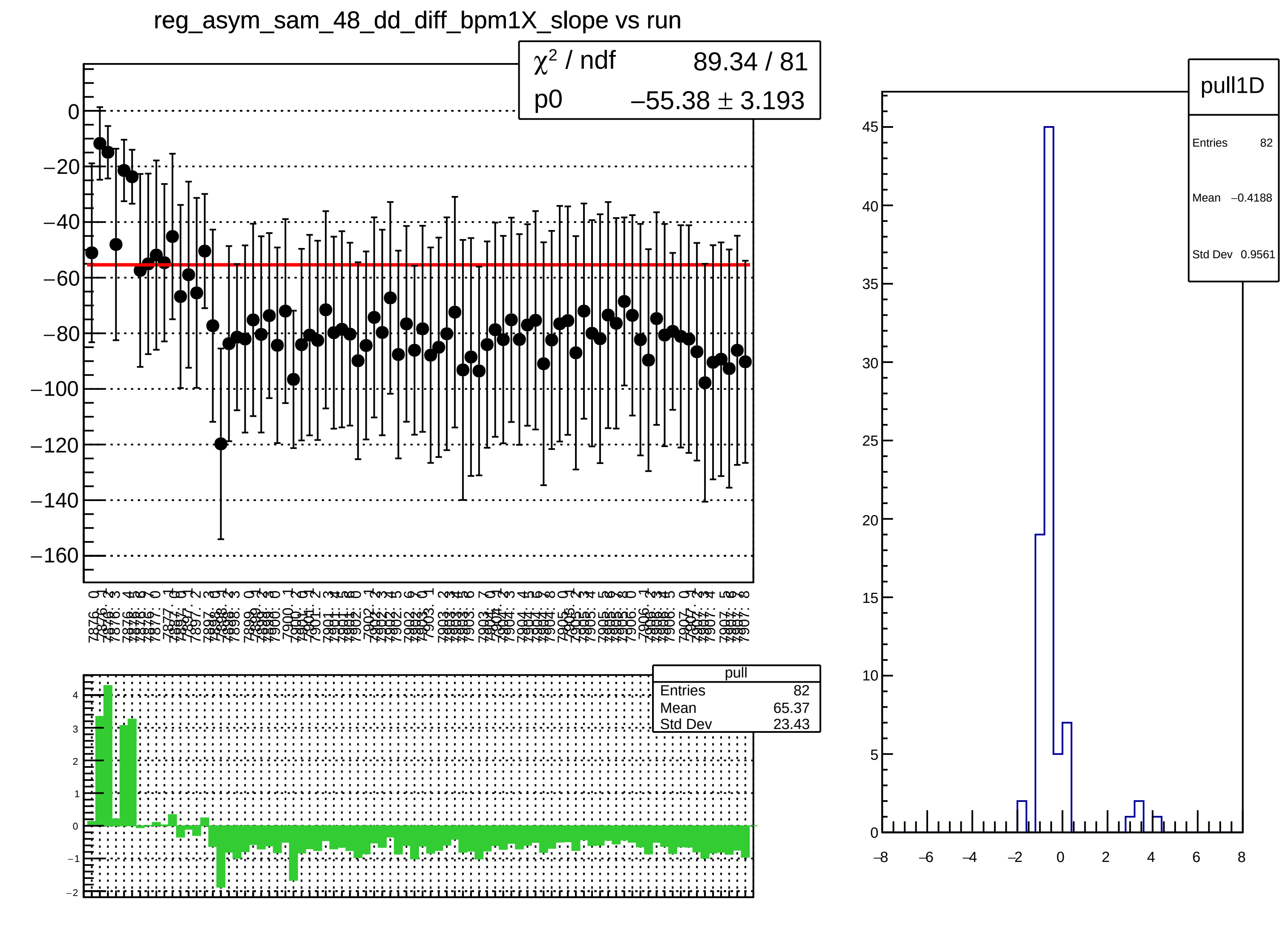


reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 165.8 / 81
p0 −72.24 ± 3.259
pull
Entries 82
Mean 60.34
Std Dev 15.82
pull1D
Entries 82
Mean 0.6375
Std Dev 1.271

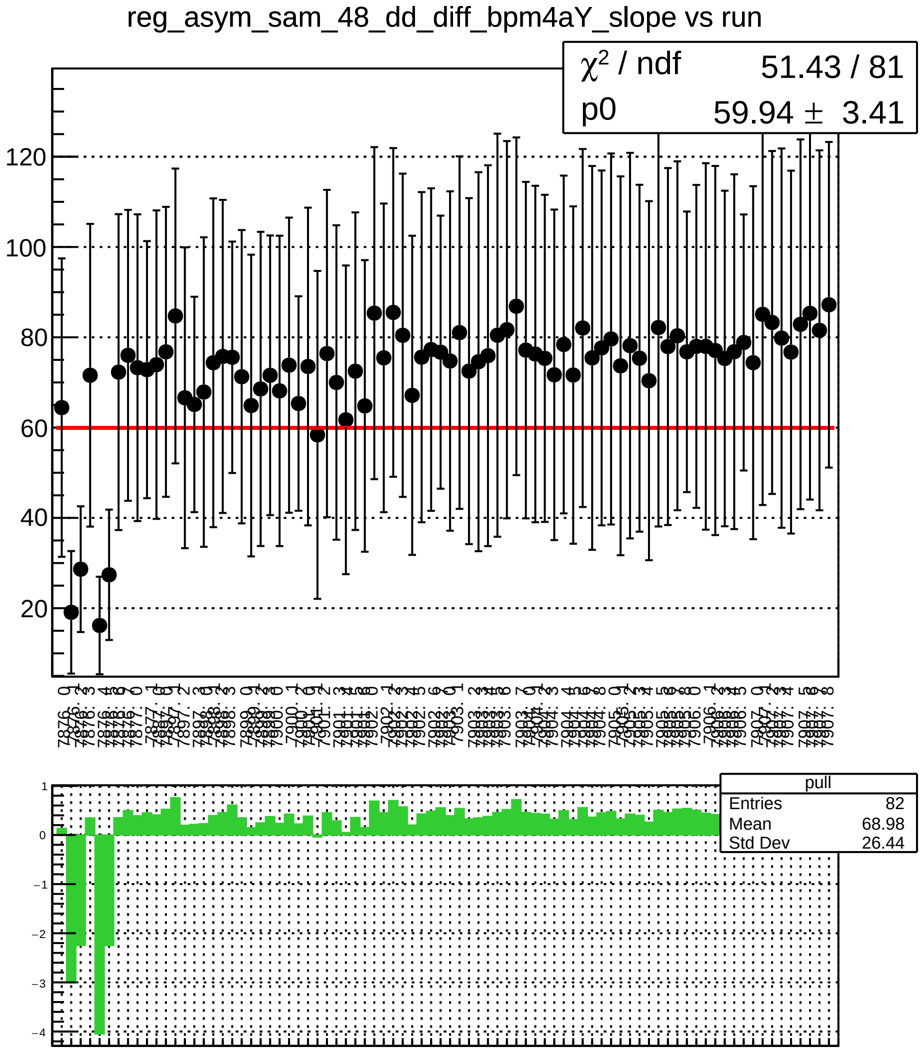

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ2 / ndf 59.16 / 81
p0 62.43 ± 5.3
pull
Entries 82
Mean 81.86
Std Dev 43.74
pull1D
Entries 82
Mean −0.1974
Std Dev 0.8261



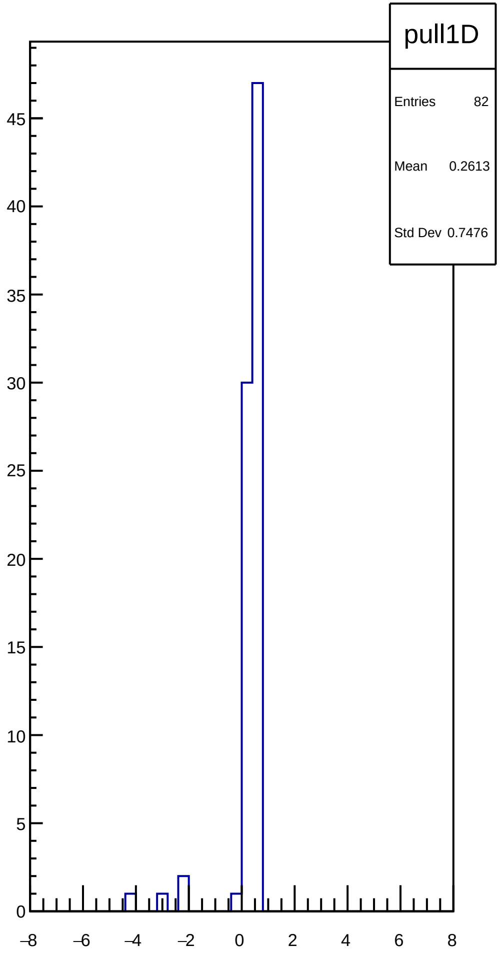
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.57 / 81
p0 −2.575 ± 0.1759
pull
Entries 82
Mean 323
Std Dev 286.7
pull1D
Entries 82
Mean −0.02122
Std Dev 0.4062



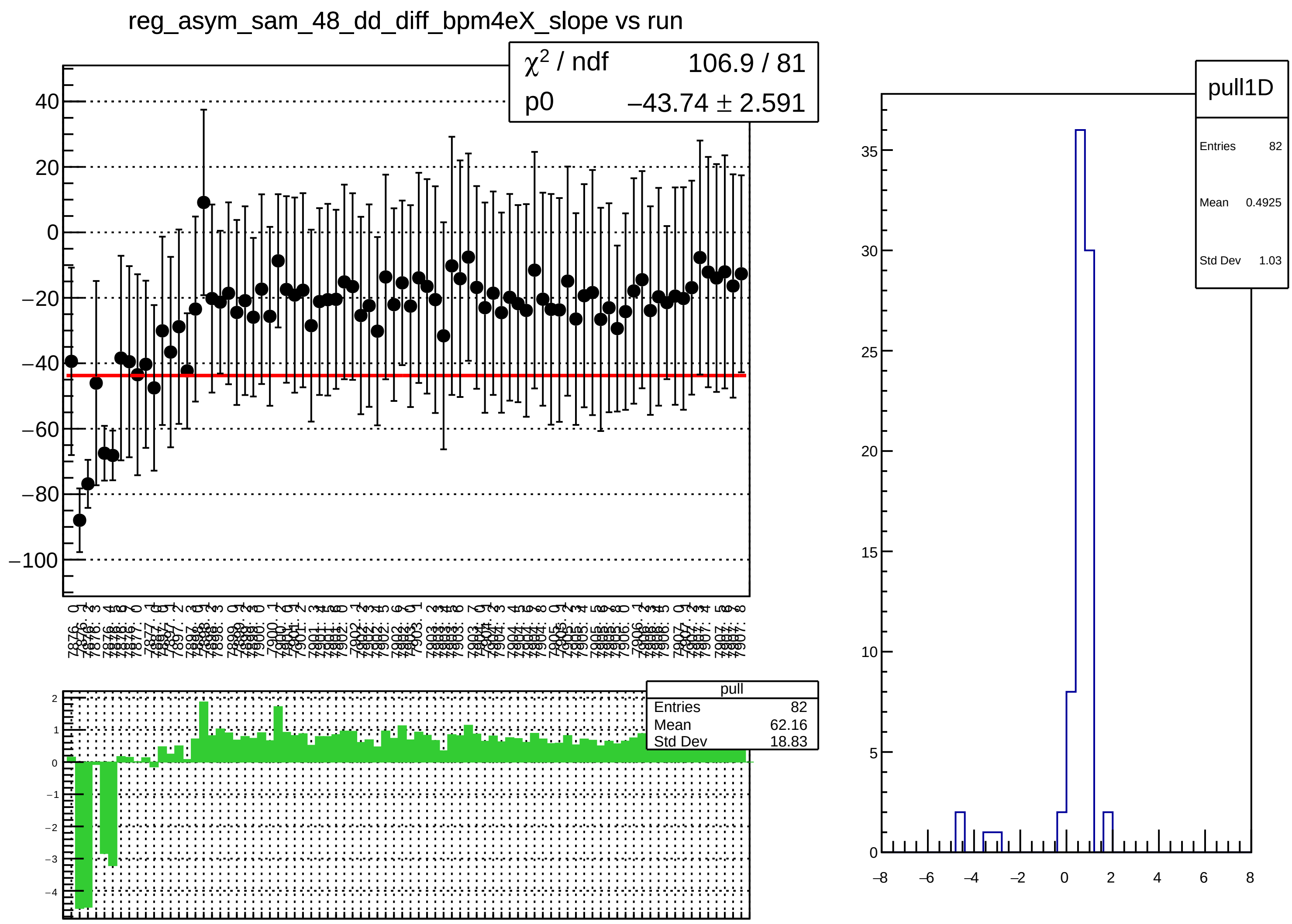
reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 89.34 / 81
p0 −55.38 ± 3.193
pull
Entries 82
Mean 65.37
Std Dev 23.43
pull1D
Entries 82
Mean −0.4188
Std Dev 0.9561



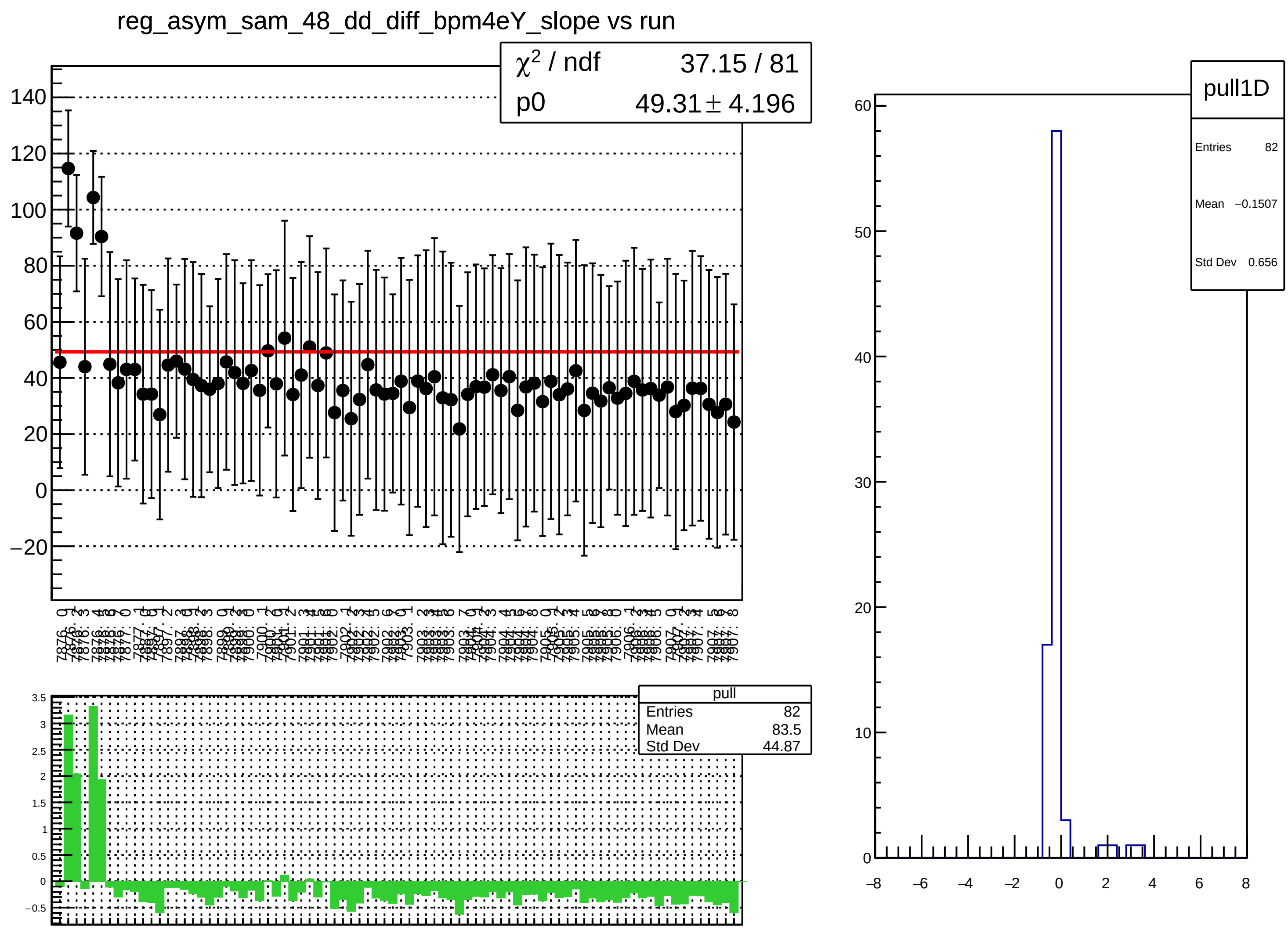
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 51.43 / 81
p0 59.94 ± 3.41
120
100
80
60
40
20
pull
Entries 82
Mean 68.98
Std Dev 26.44
1
0
−1
−2
−3
−4



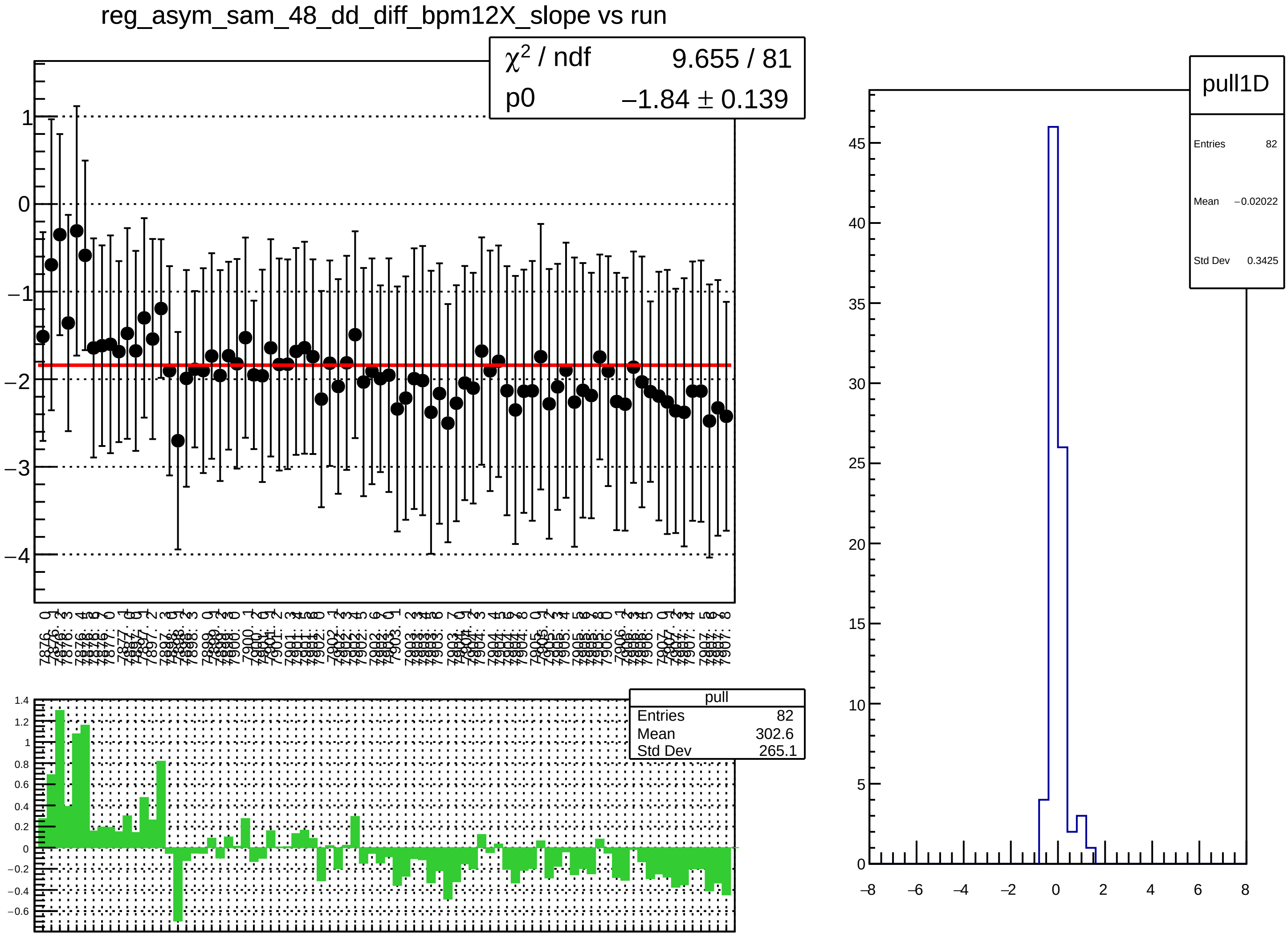
pull1D
Entries 82
Mean 0.2613
Std Dev 0.7476
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



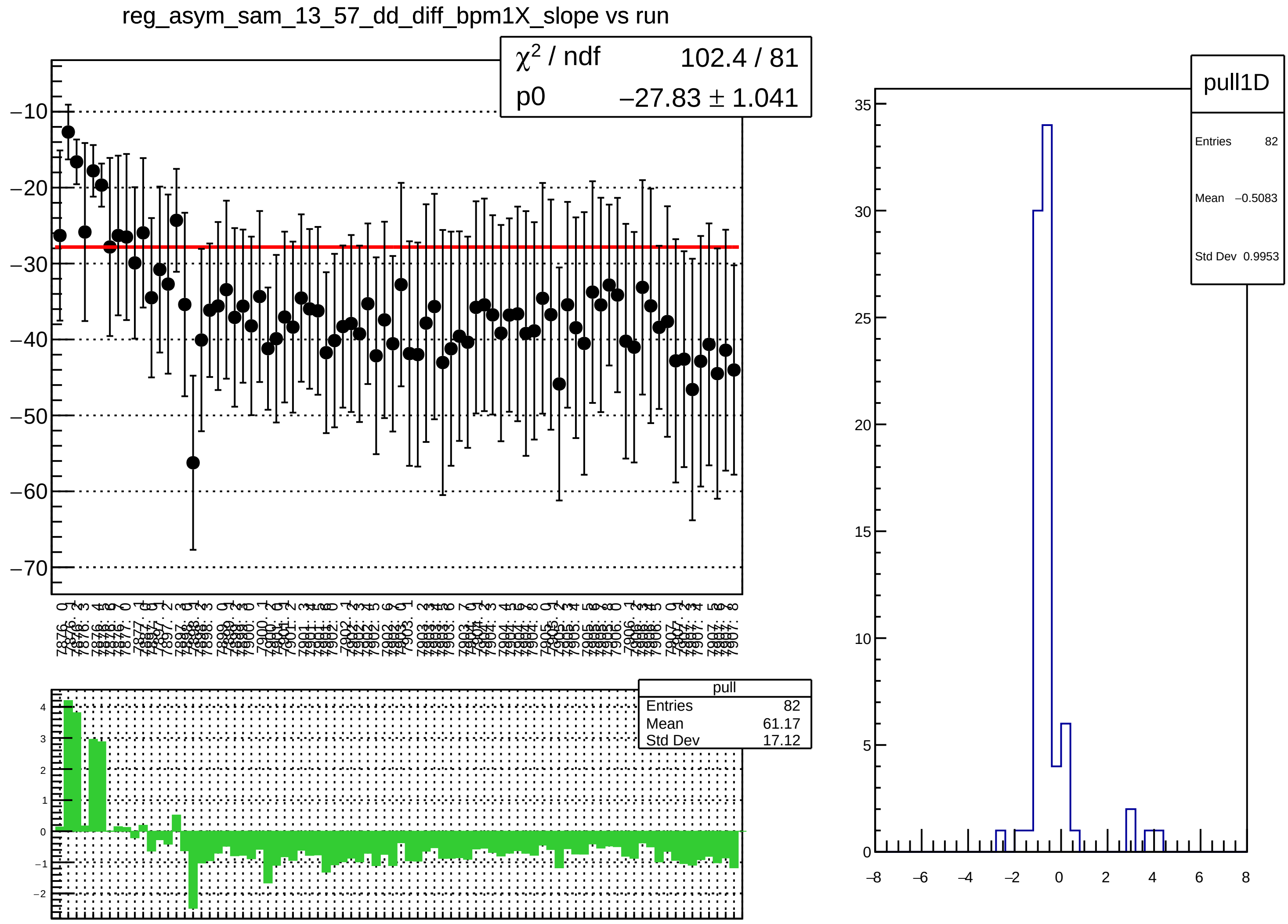
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 106.9 / 81
p0 −43.74 ± 2.591
pull
Entries 82
Mean 62.16
Std Dev 18.83
pull1D
Entries 82
Mean 0.4925
Std Dev 1.03



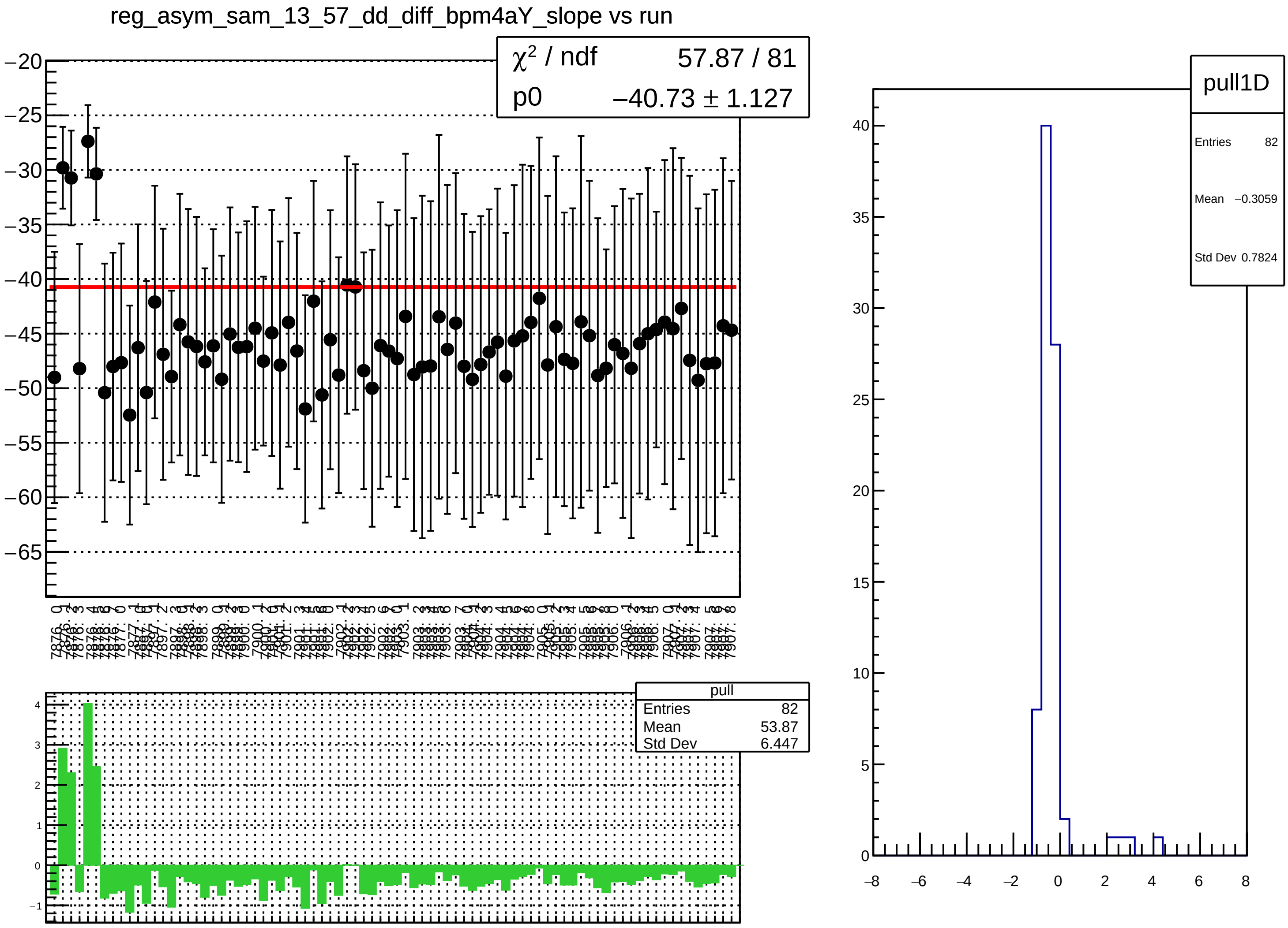
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 37.15 / 81
p0 49.31 ± 4.196
pull
Entries 82
Mean 83.5
Std Dev 44.87
pull1D
Entries 82
Mean −0.1507
Std Dev 0.656



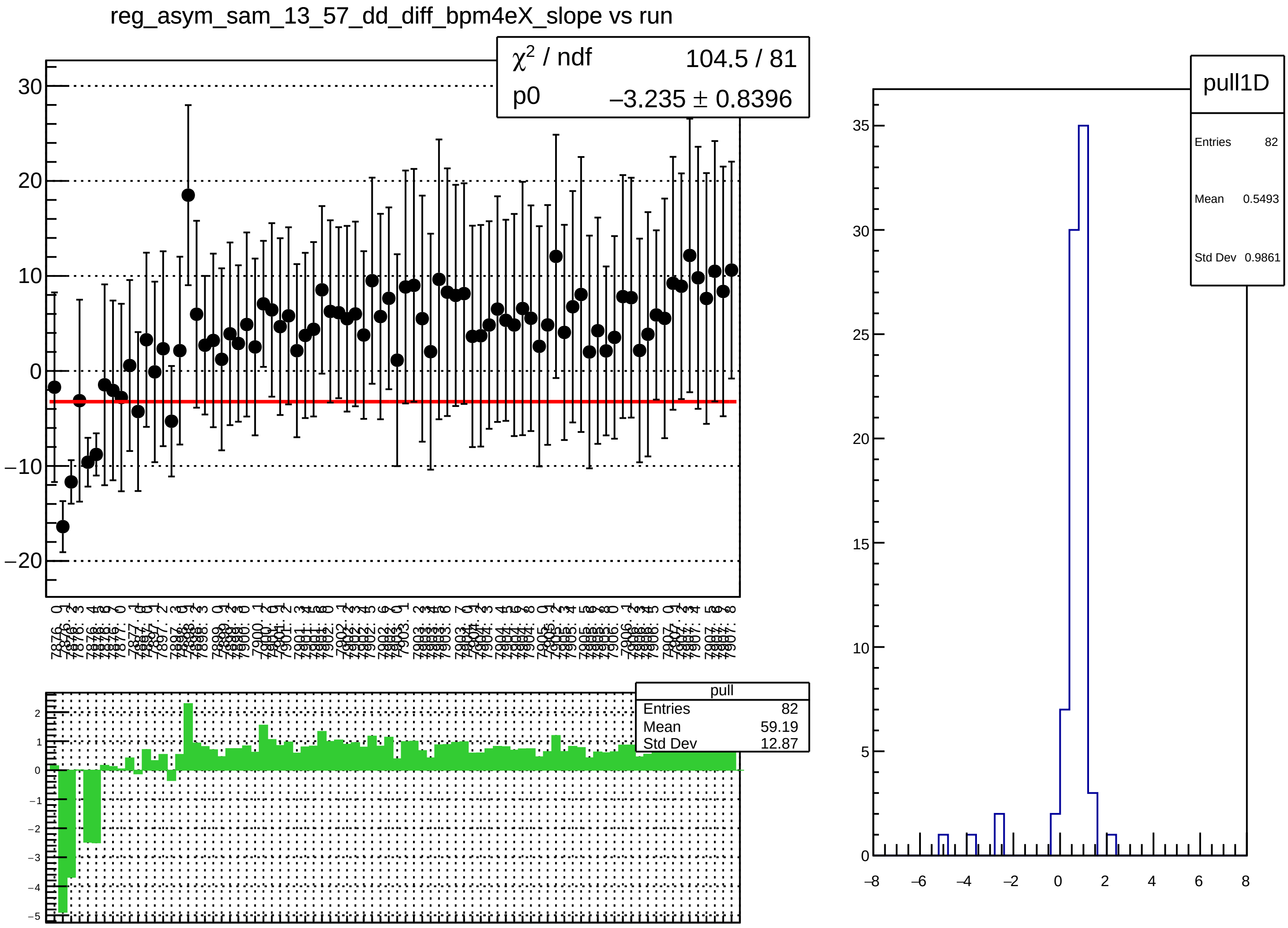
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.655 / 81
p0 −1.84 ± 0.139
pull
Entries 82
Mean 302.6
Std Dev 265.1
pull1D
Entries 82
Mean −0.02022
Std Dev 0.3425



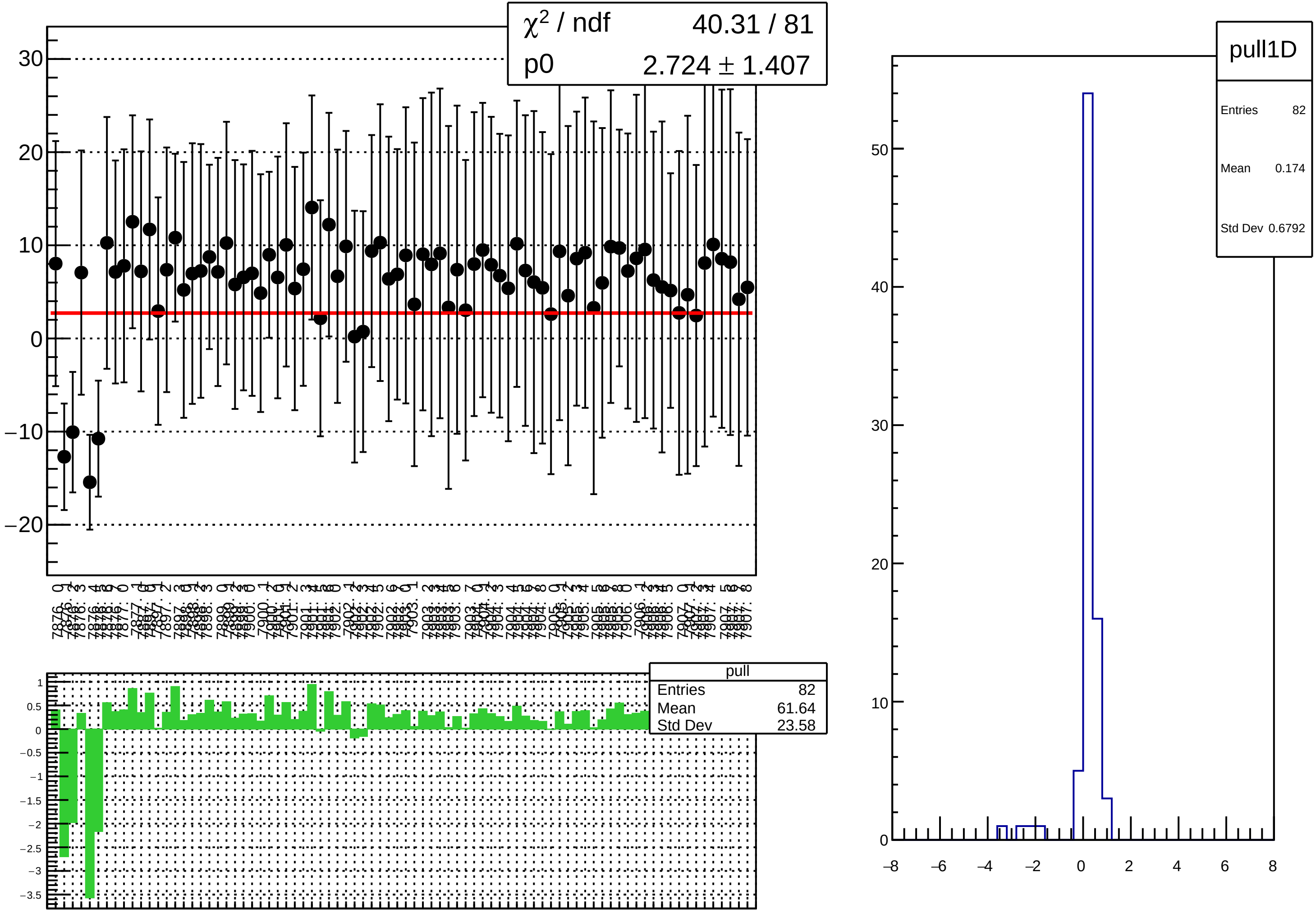
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 102.4 / 81
p0 −27.83 ± 1.041
pull
Entries 82
Mean 61.17
Std Dev 17.12
pull1D
Entries 82
Mean −0.5083
Std Dev 0.9953

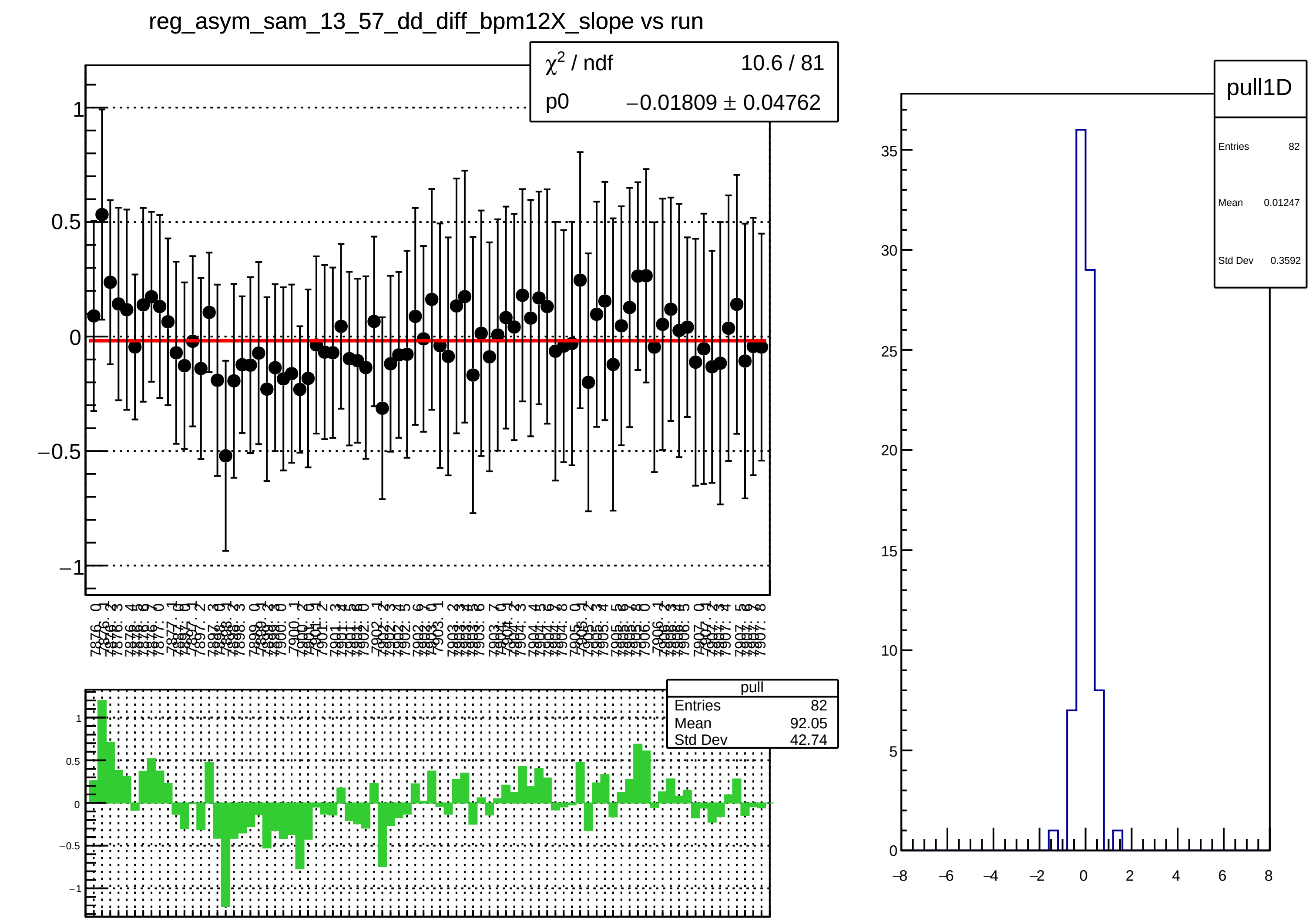


reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 57.87 / 81
p0 −40.73 ± 1.127
pull
Entries 82
Mean 53.87
Std Dev 6.447
pull1D
Entries 82
Mean −0.3059
Std Dev 0.7824

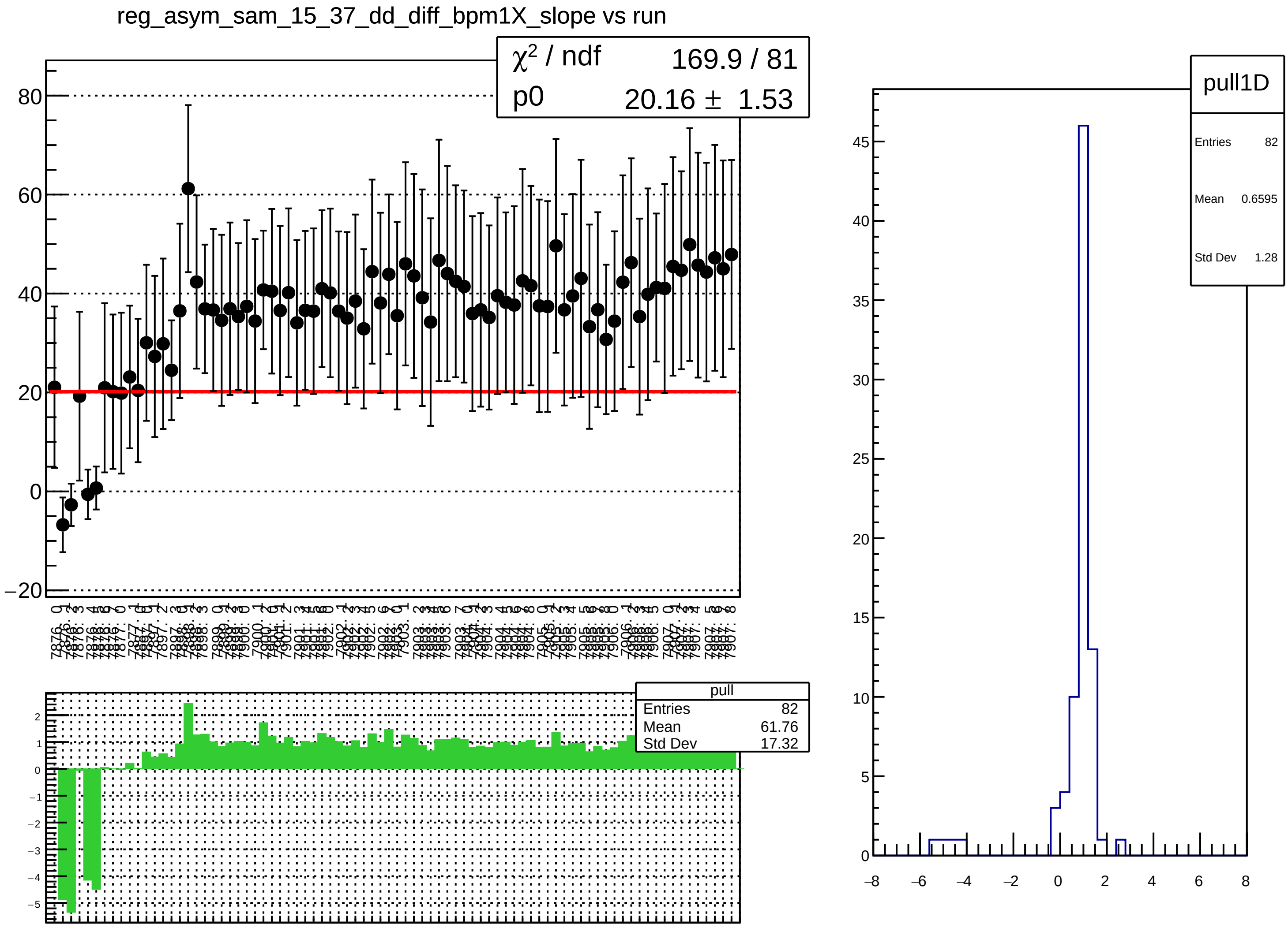

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 104.5 / 81
p0 −3.235 ± 0.8396
pull
Entries 82
Mean 59.19
Std Dev 12.87
pull1D
Entries 82
Mean 0.5493
Std Dev 0.9861

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run

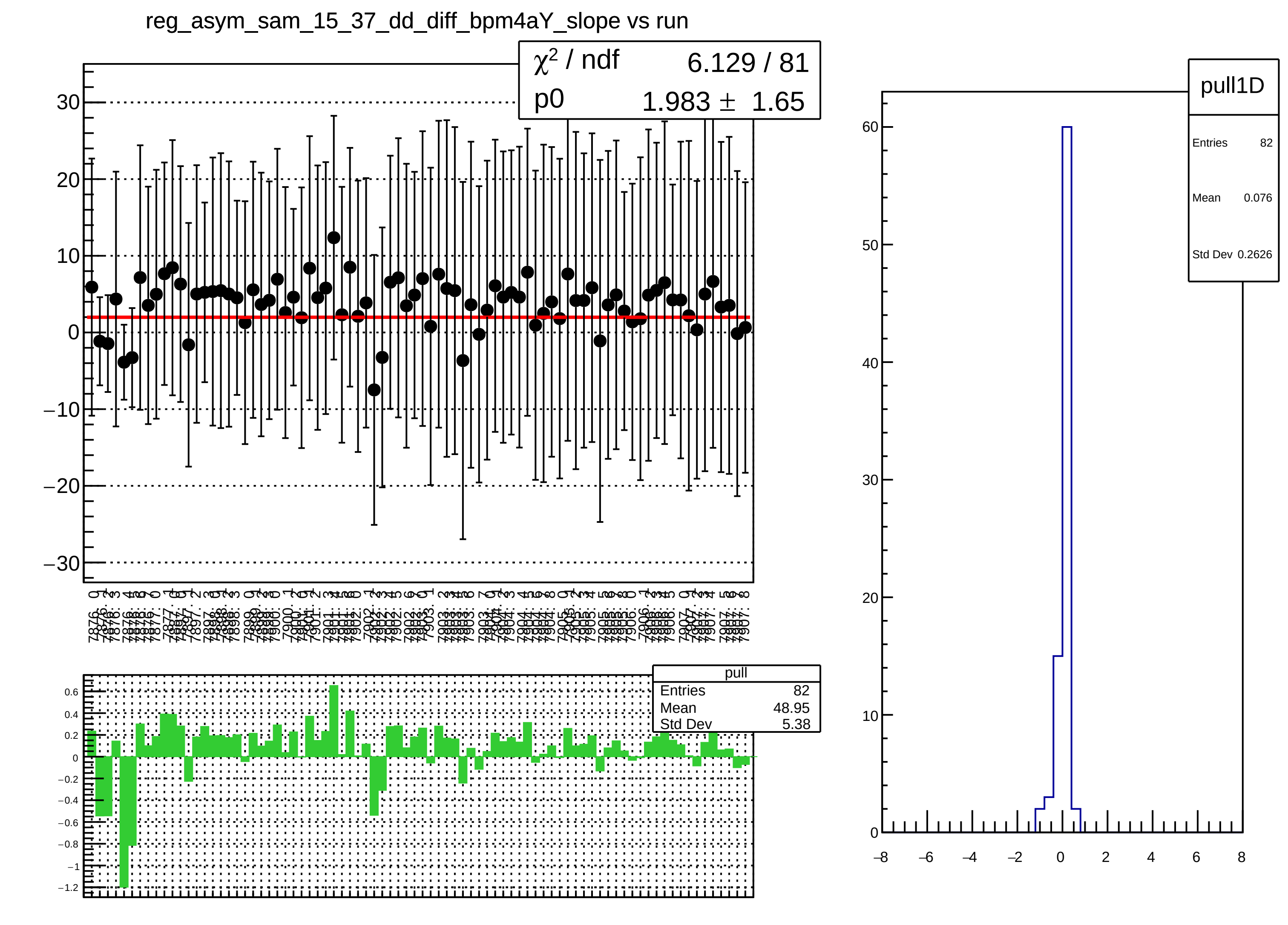




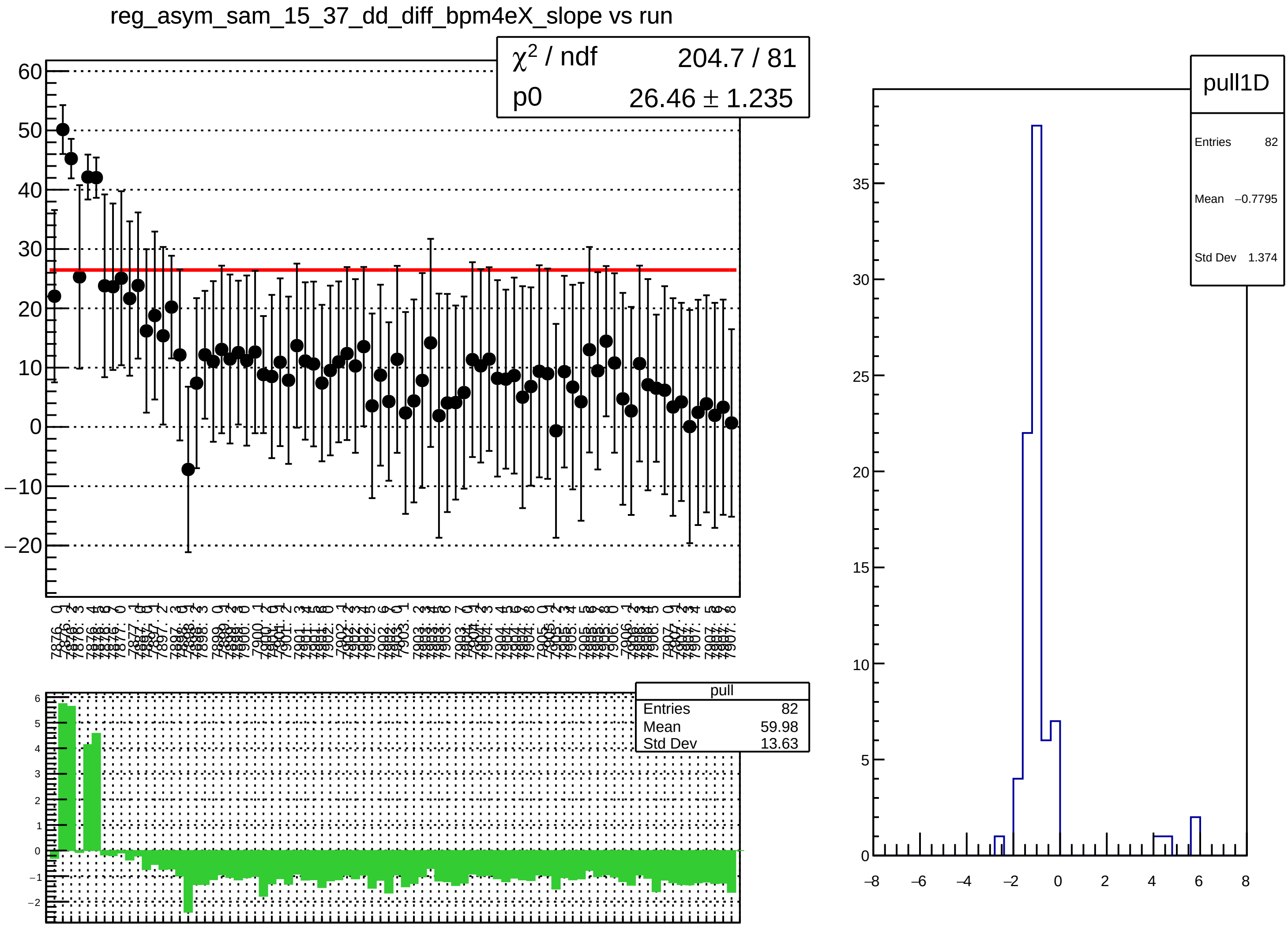
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ2 / ndf 10.6 / 81
p0 −0.01809 ± 0.04762
1
0.5
0
−0.5
−1
pull
Entries 82
Mean 92.05
Std Dev 42.74
pull1D
Entries 82
Mean 0.01247
Std Dev 0.3592
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

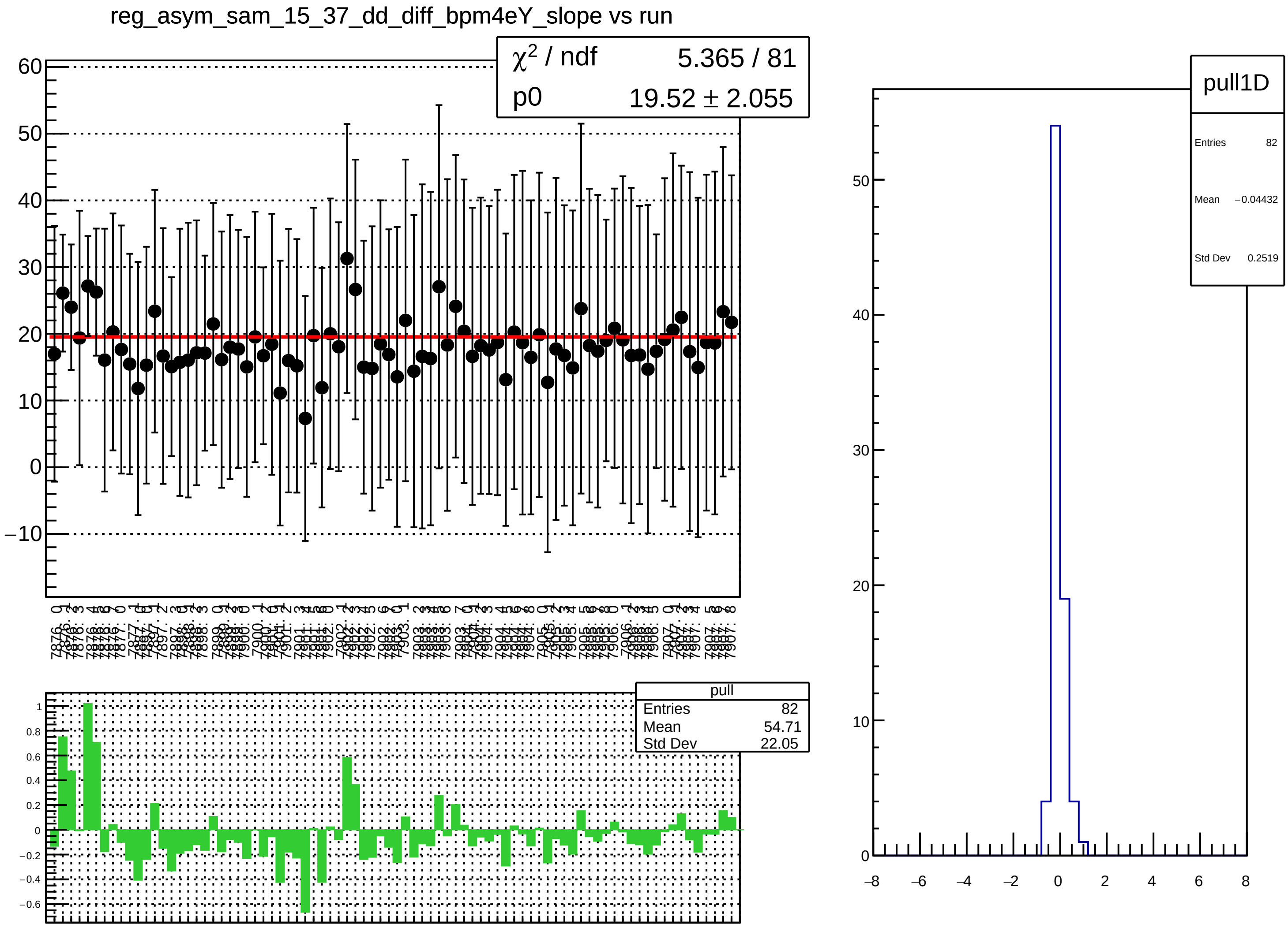


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 169.9 / 81
p0 20.16 ± 1.53
80
60
40
20
0
−20
pull
Entries 82
Mean 61.76
Std Dev 17.32
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 82
Mean 0.6595
Std Dev 1.28
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

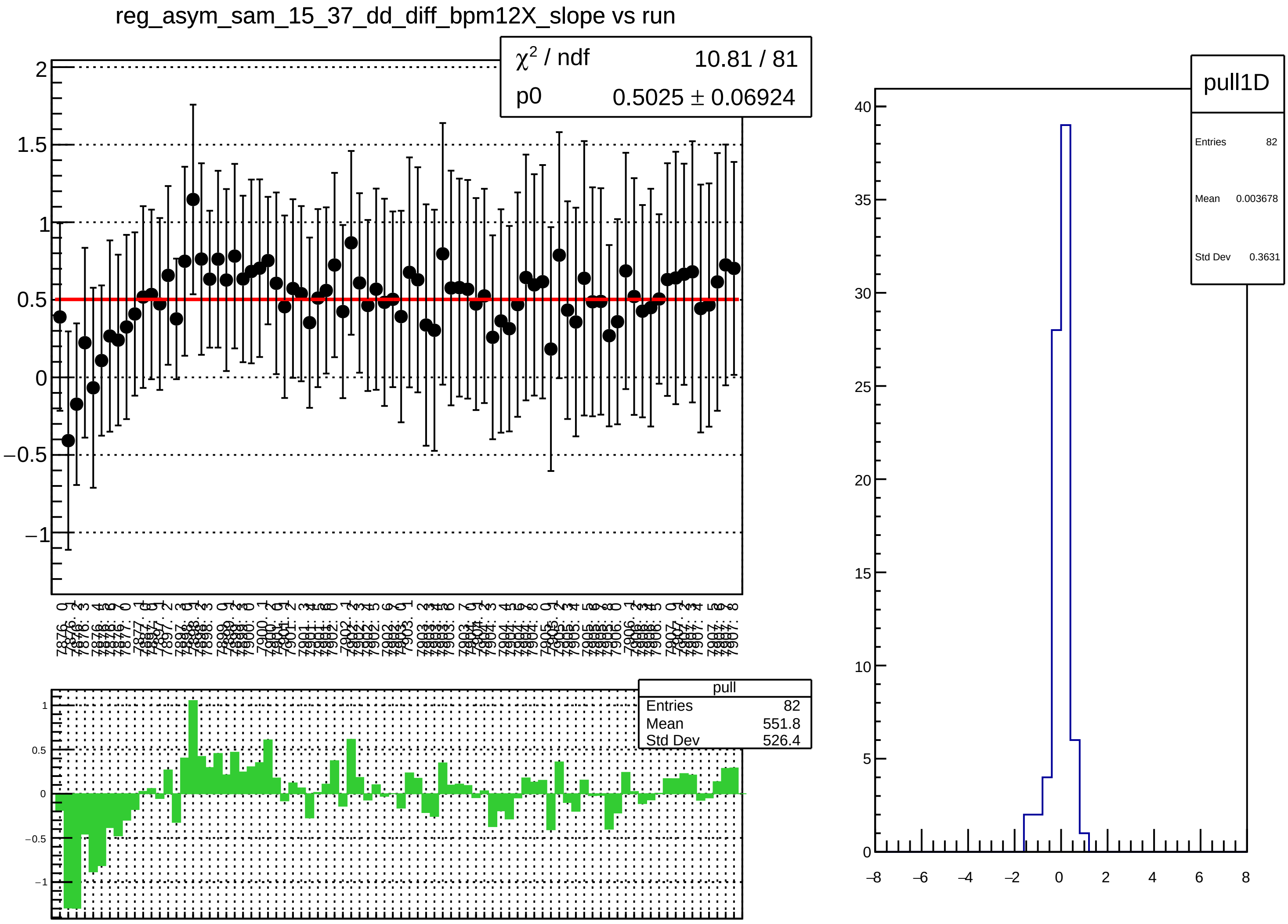


reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.129 / 81
p0 1.983 ± 1.65
pull
Entries 82
Mean 48.95
Std Dev 5.38
pull1D
Entries 82
Mean 0.076
Std Dev 0.2626

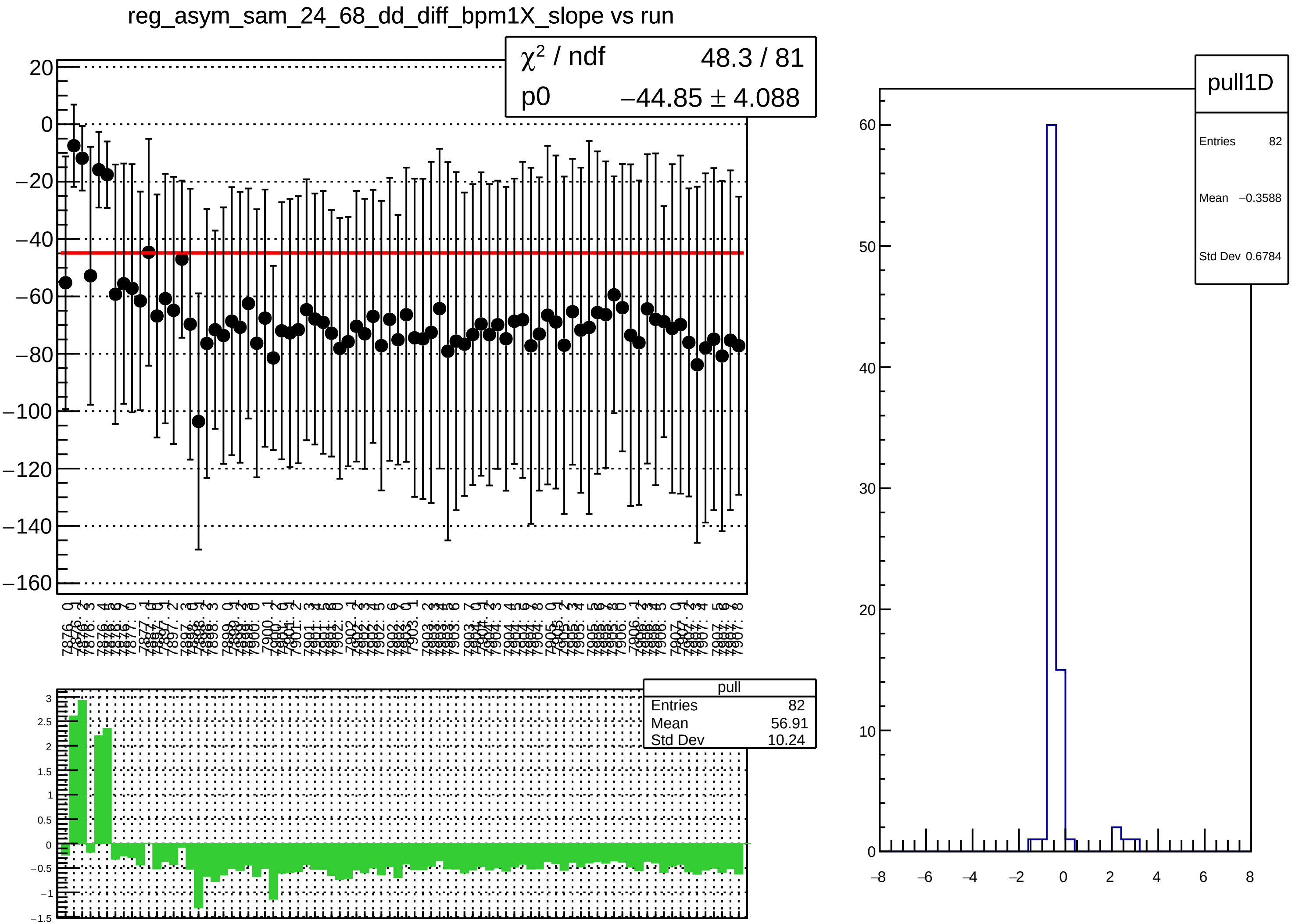

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 204.7 / 81
p0 26.46 ± 1.235
pull
Entries 82
Mean 59.98
Std Dev 13.63
pull1D
Entries 82
Mean −0.7795
Std Dev 1.374

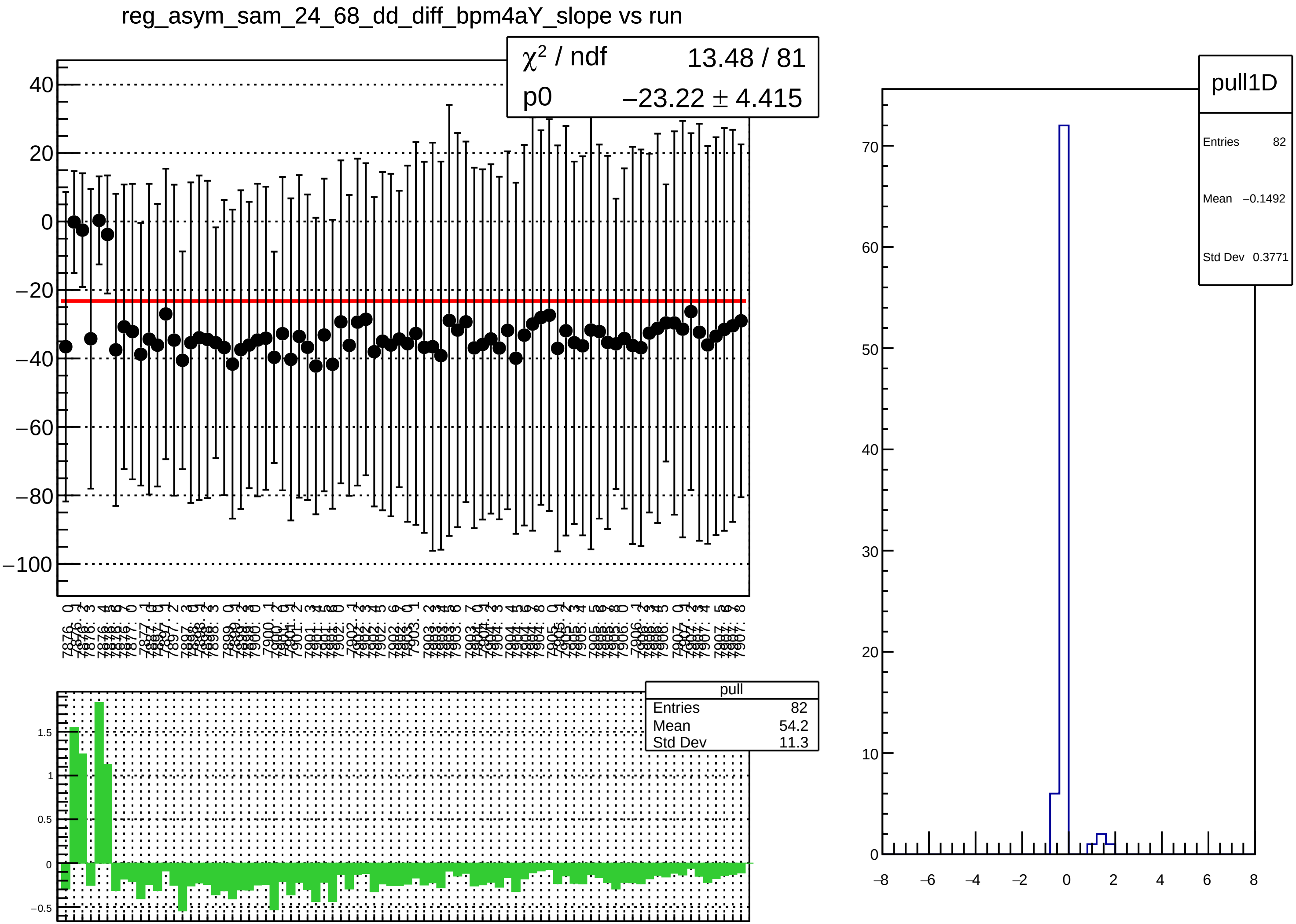


reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.365 / 81
p0 19.52 ± 2.055
pull
Entries 82
Mean 54.71
Std Dev 22.05
pull1D
Entries 82
Mean −0.04432
Std Dev 0.2519

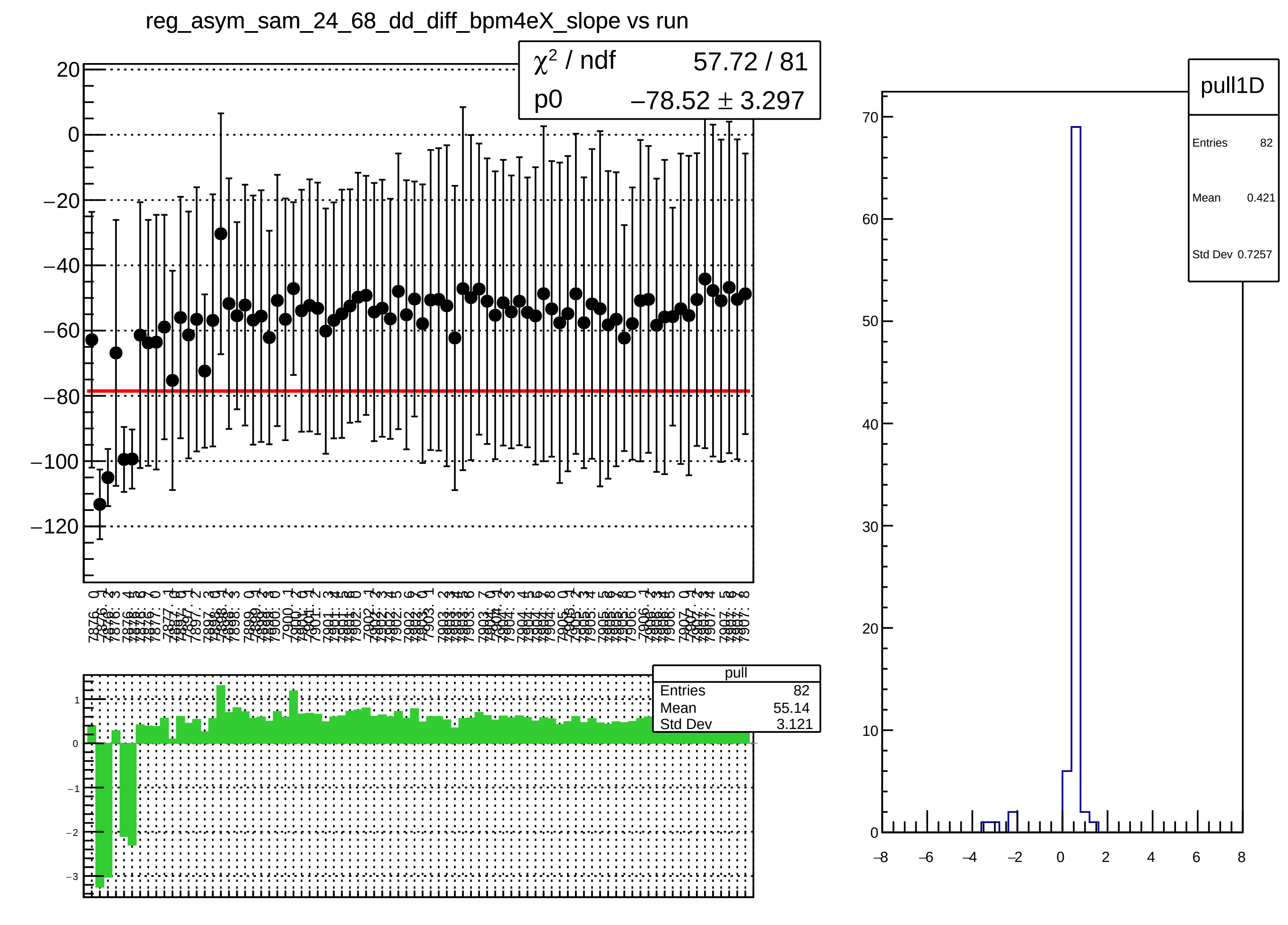


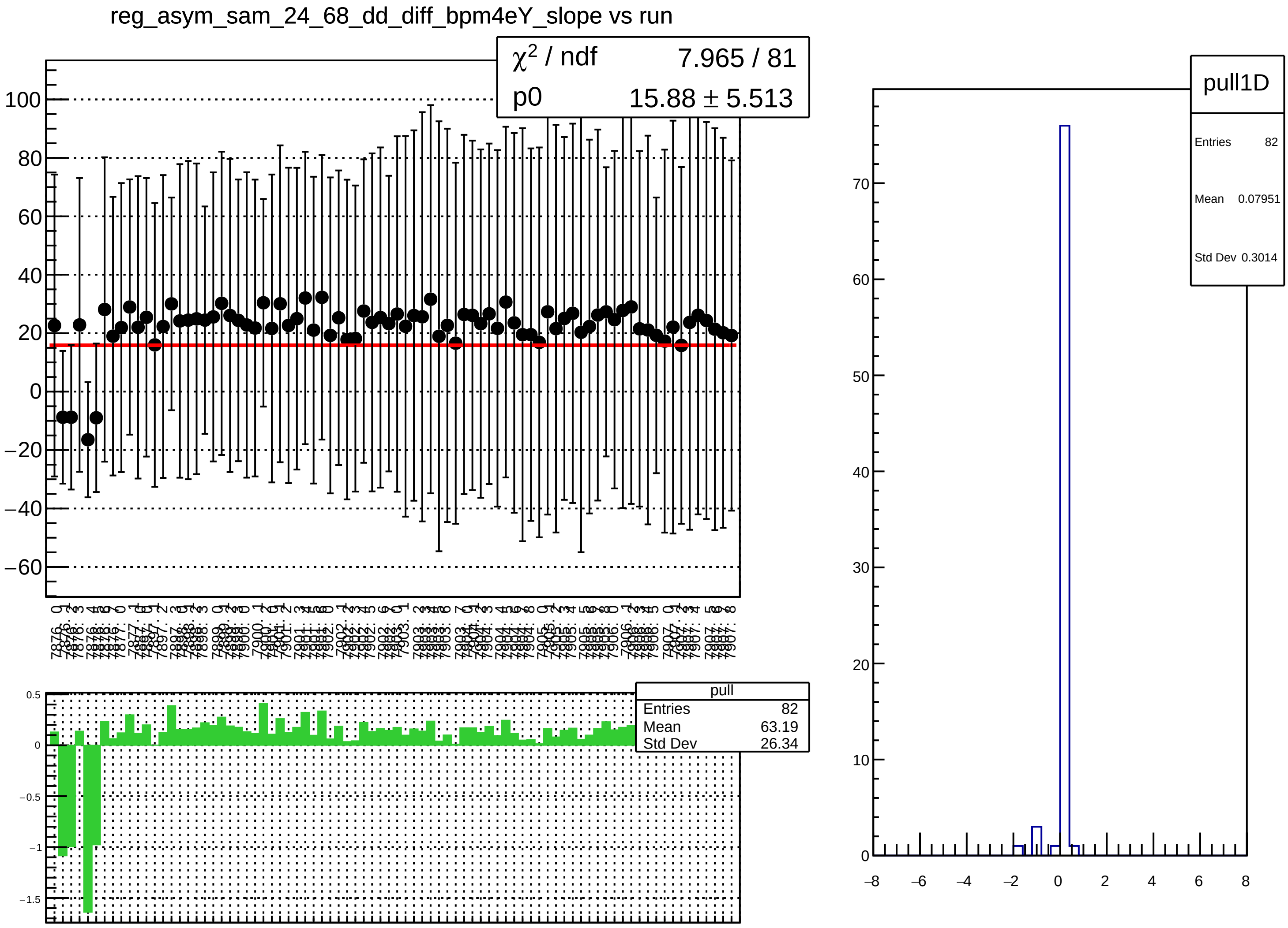
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.81 / 81
p0 0.5025 ± 0.06924
pull
Entries 82
Mean 551.8
Std Dev 526.4
pull1D
Entries 82
Mean 0.003678
Std Dev 0.3631

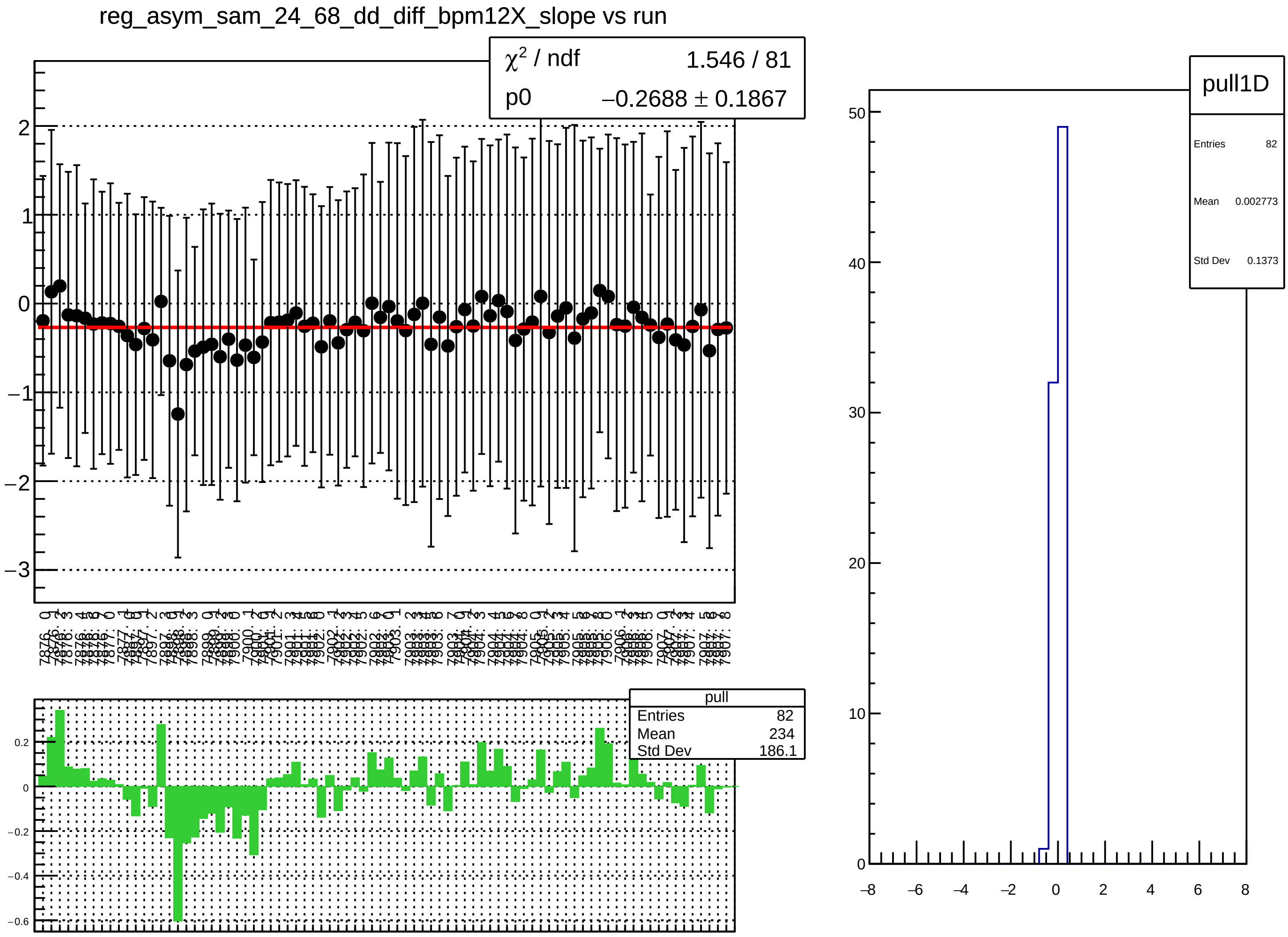

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ2 / ndf 48.3 / 81
p0 −44.85 ± 4.088
pull
Entries 82
Mean 56.91
Std Dev 10.24
pull1D
Entries 82
Mean −0.3588
Std Dev 0.6784



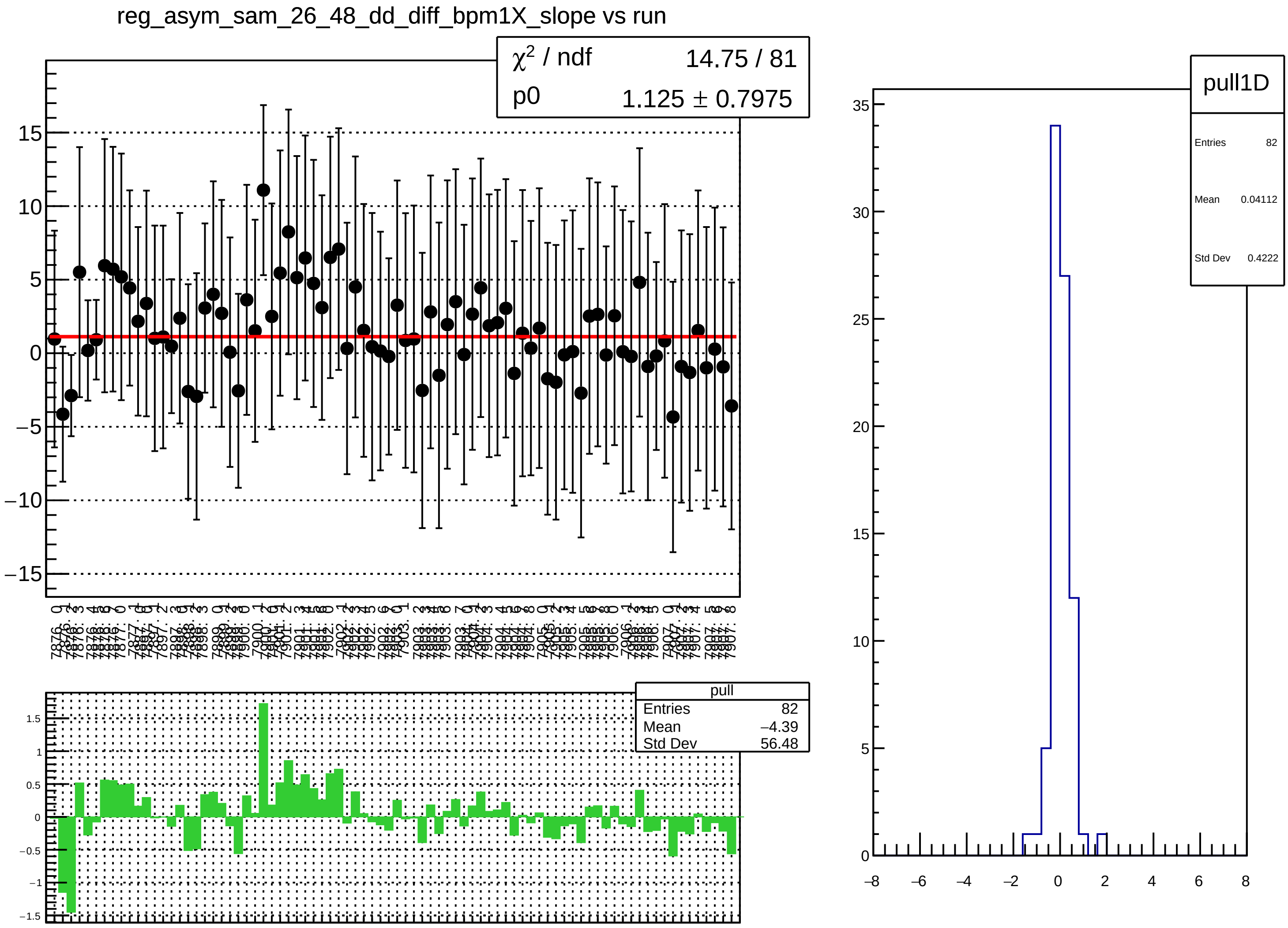
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 13.48 / 81
p0 −23.22 ± 4.415
pull
Entries 82
Mean 54.2
Std Dev 11.3
pull1D
Entries 82
Mean −0.1492
Std Dev 0.3771


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / 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

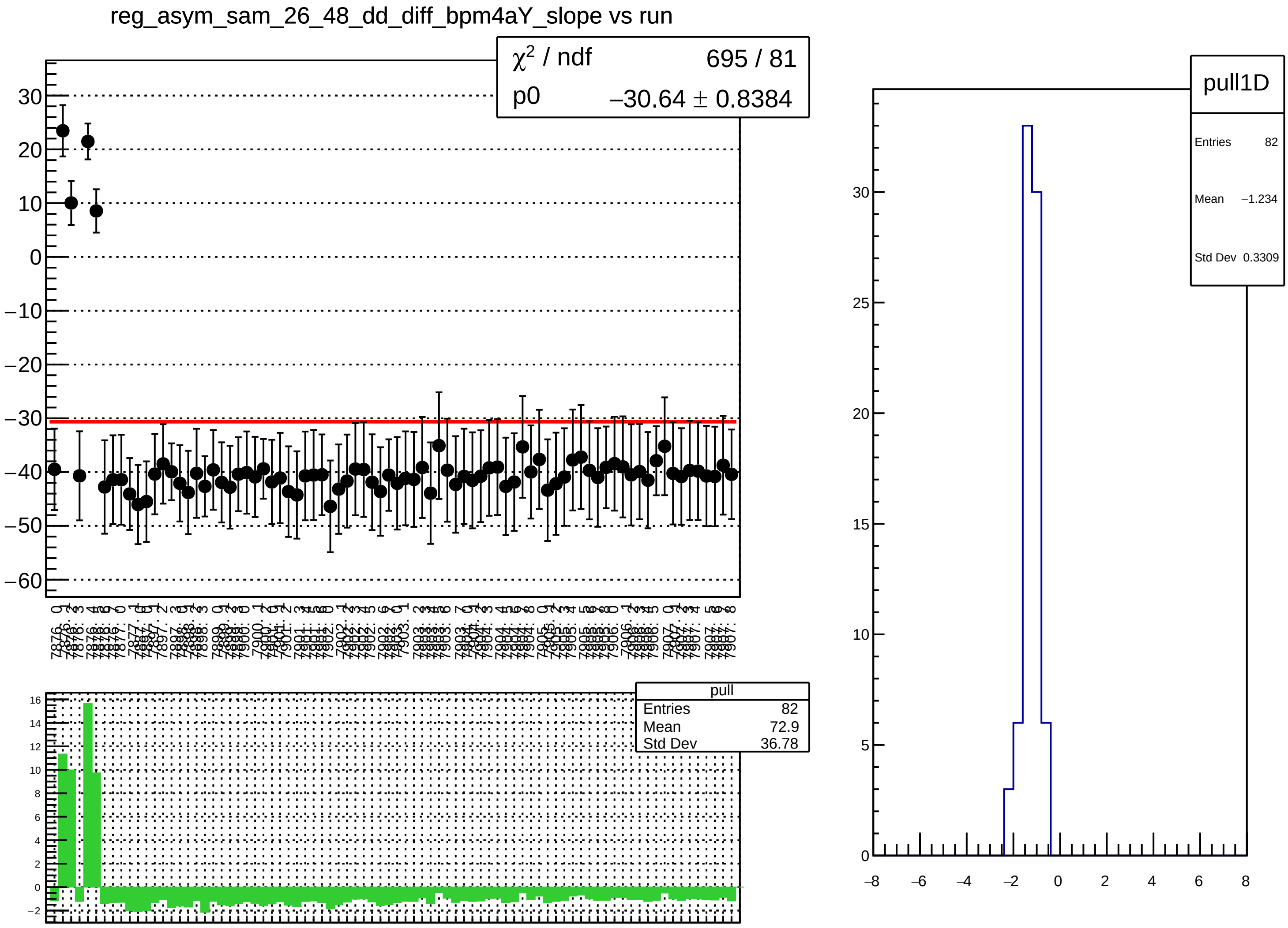

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.965 / 81
p0 15.88 ± 5.513
pull
Entries 82
Mean 63.19
Std Dev 26.34
pull1D
Entries 82
Mean 0.07951
Std Dev 0.3014



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

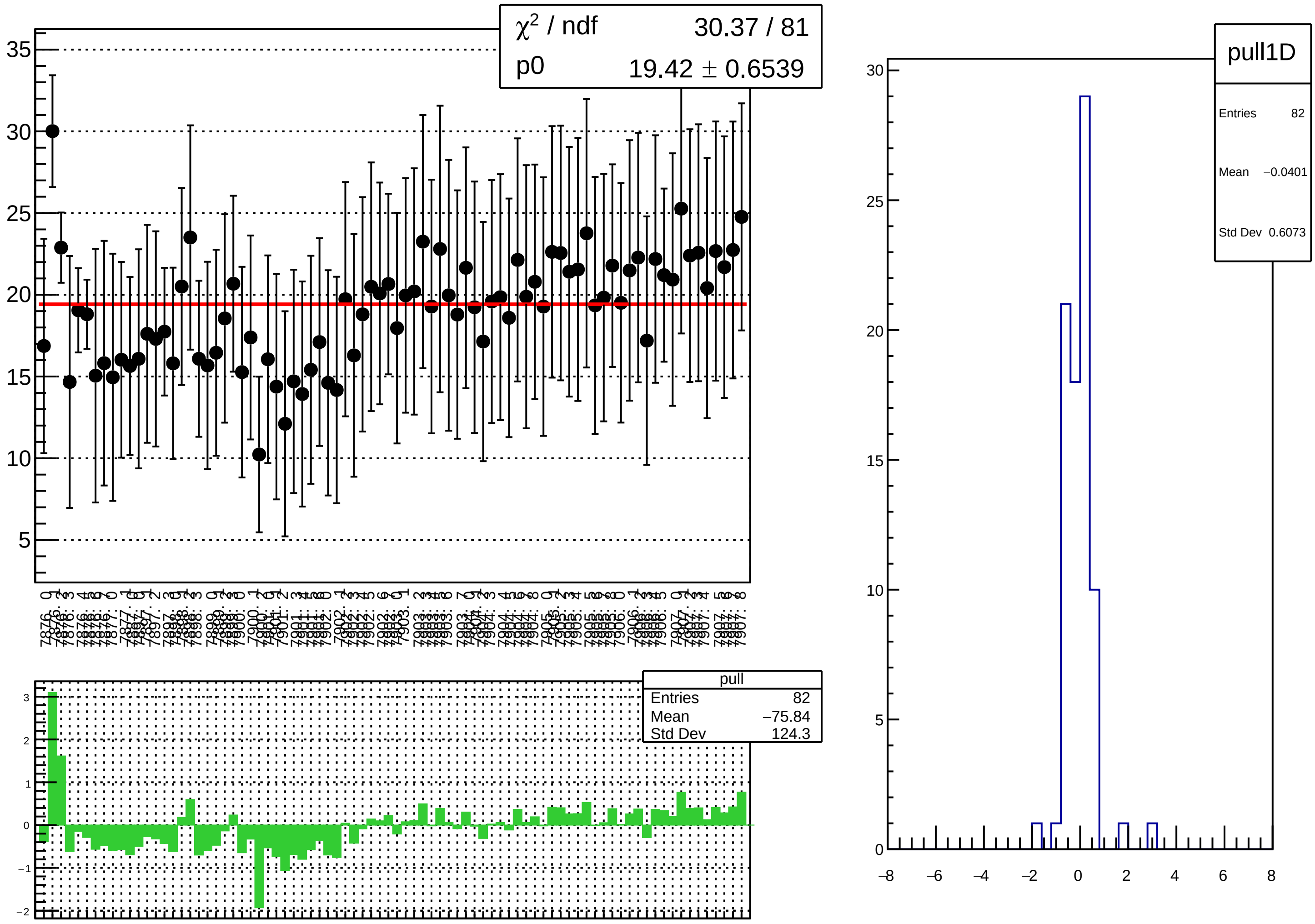


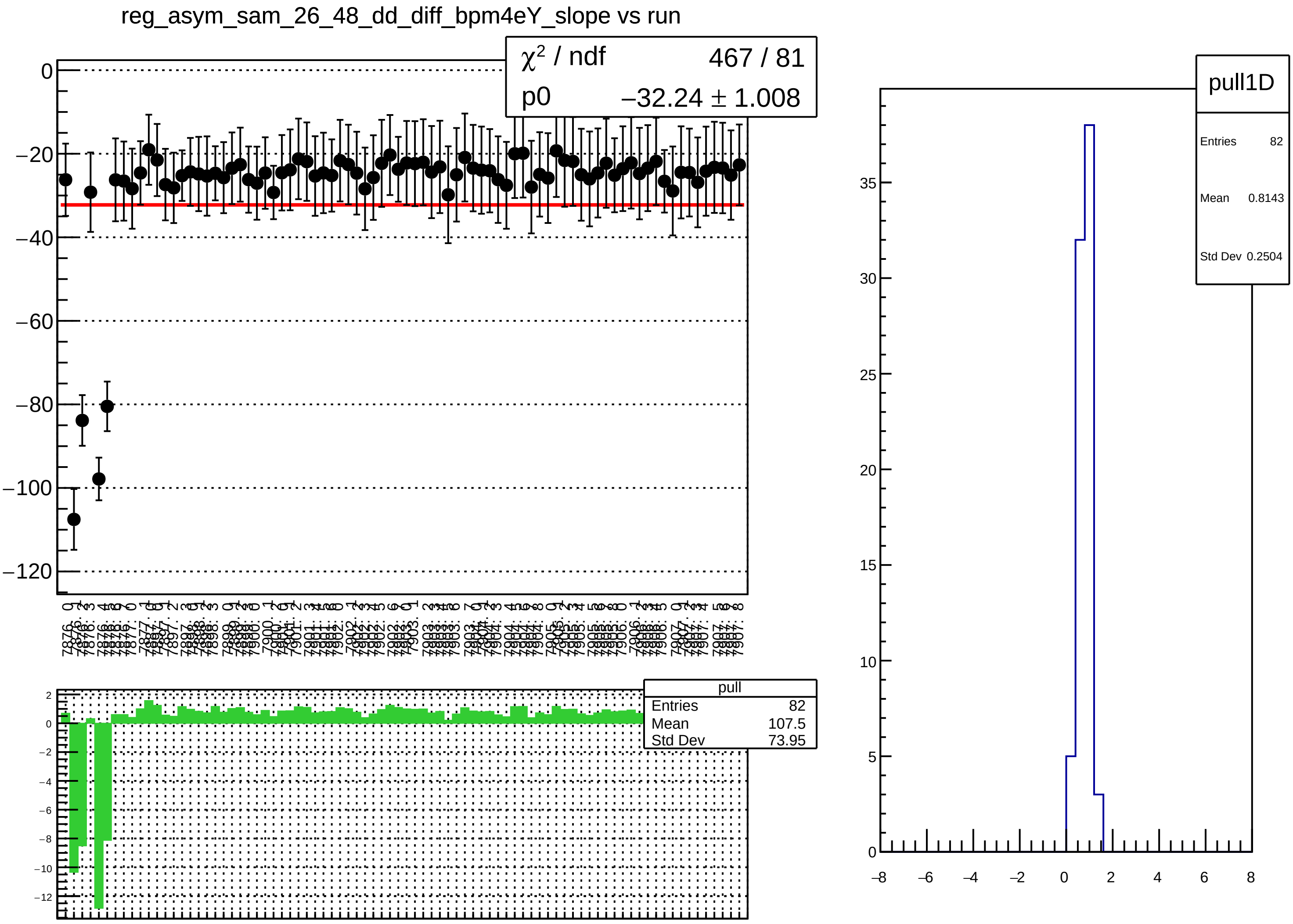
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 14.75 / 81
p0 1.125 ± 0.7975
pull
Entries 82
Mean −4.39
Std Dev 56.48
pull1D
Entries 82
Mean 0.04112
Std Dev 0.4222



reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / 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

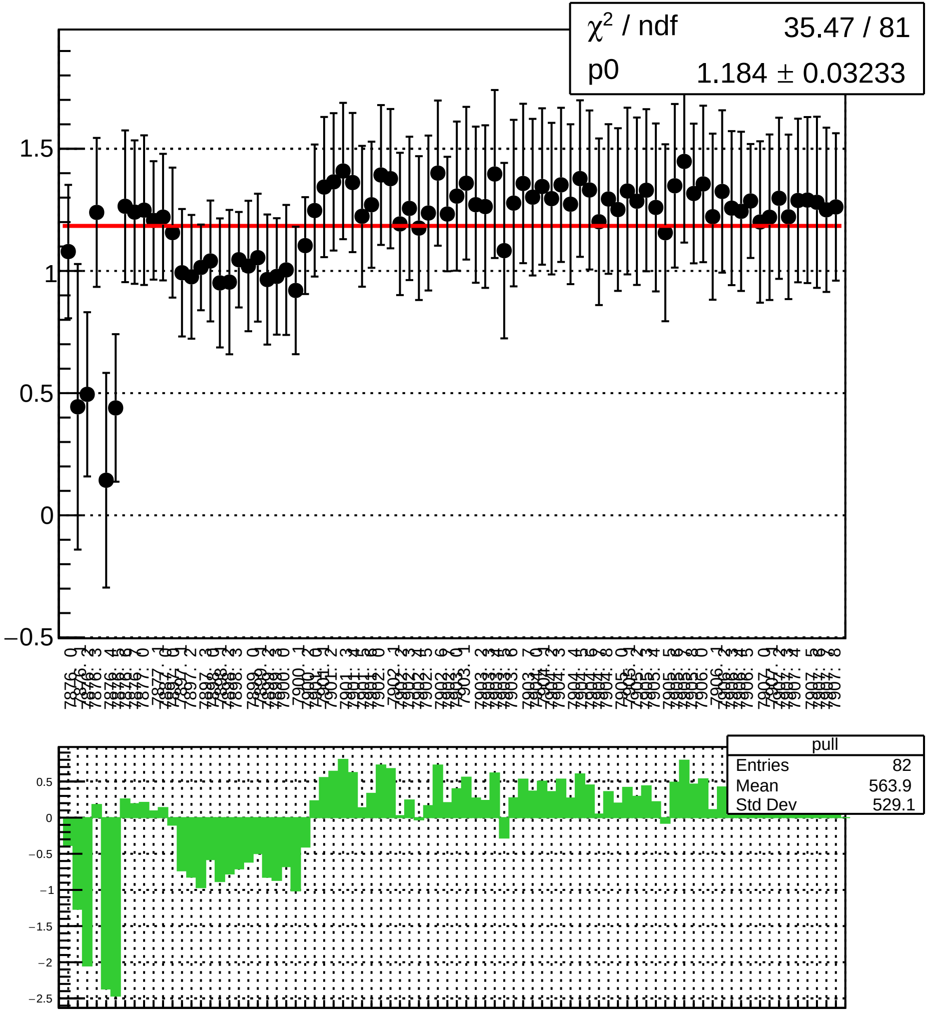
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run

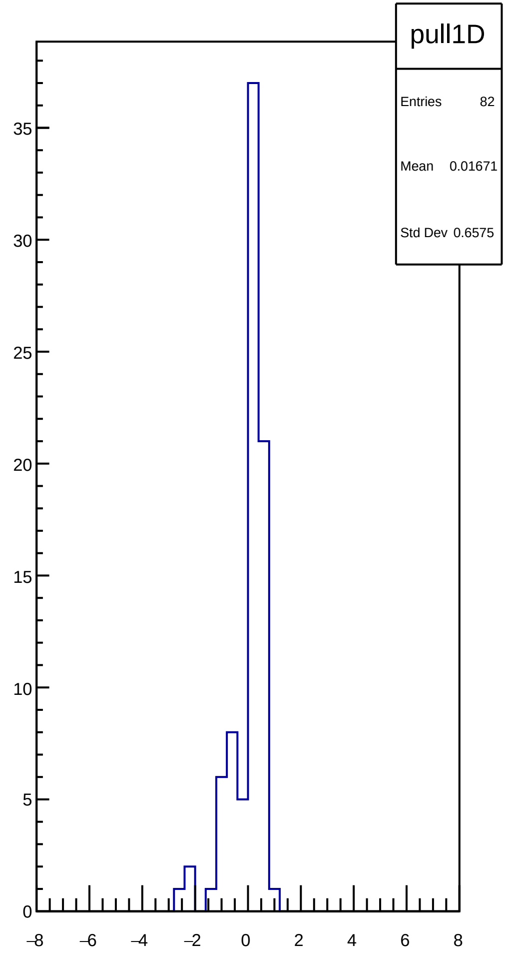


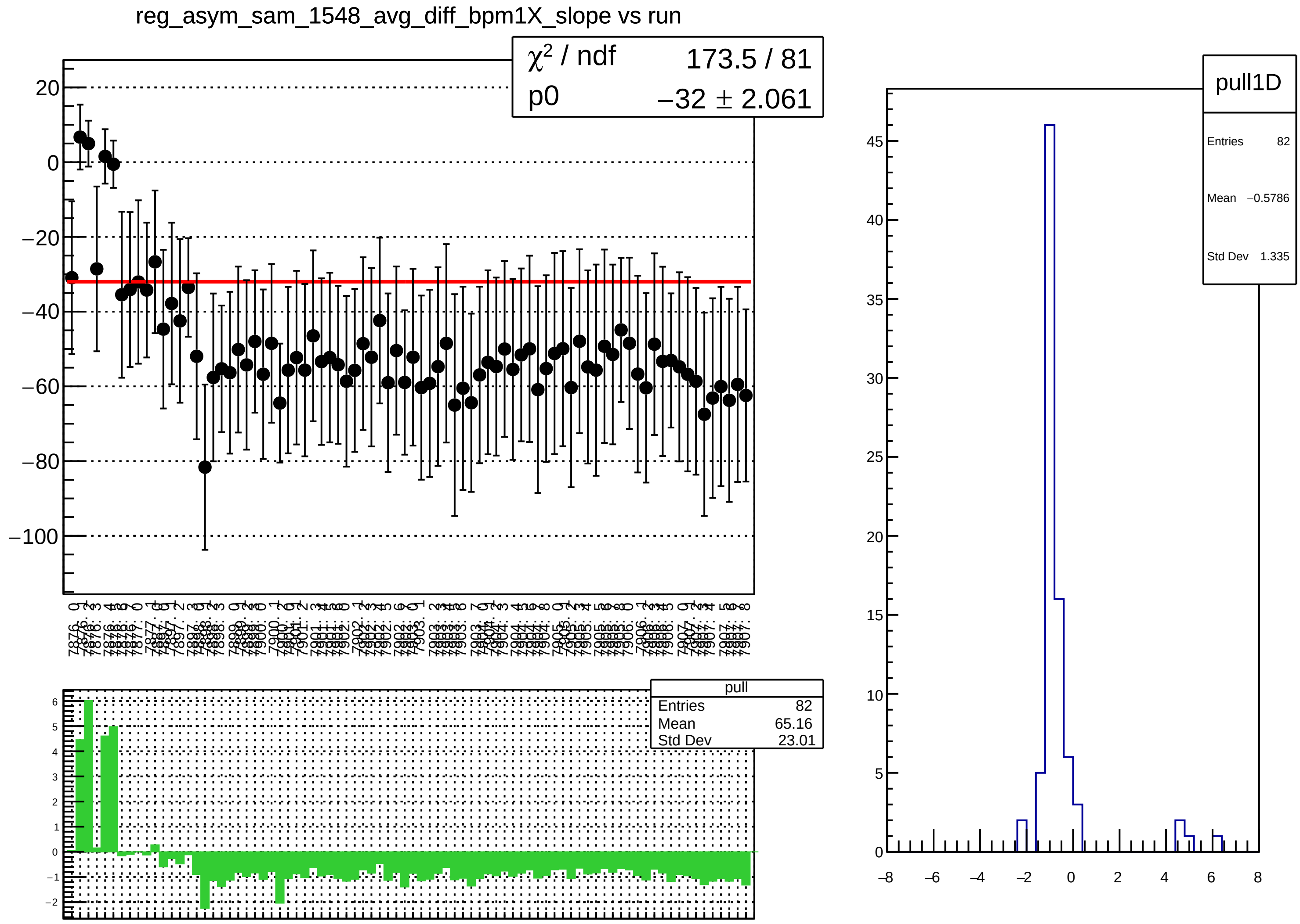


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 467 / 81
p0 −32.24 ± 1.008
pull
Entries 82
Mean 107.5
Std Dev 73.95
pull1D
Entries 82
Mean 0.8143
Std Dev 0.2504

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run

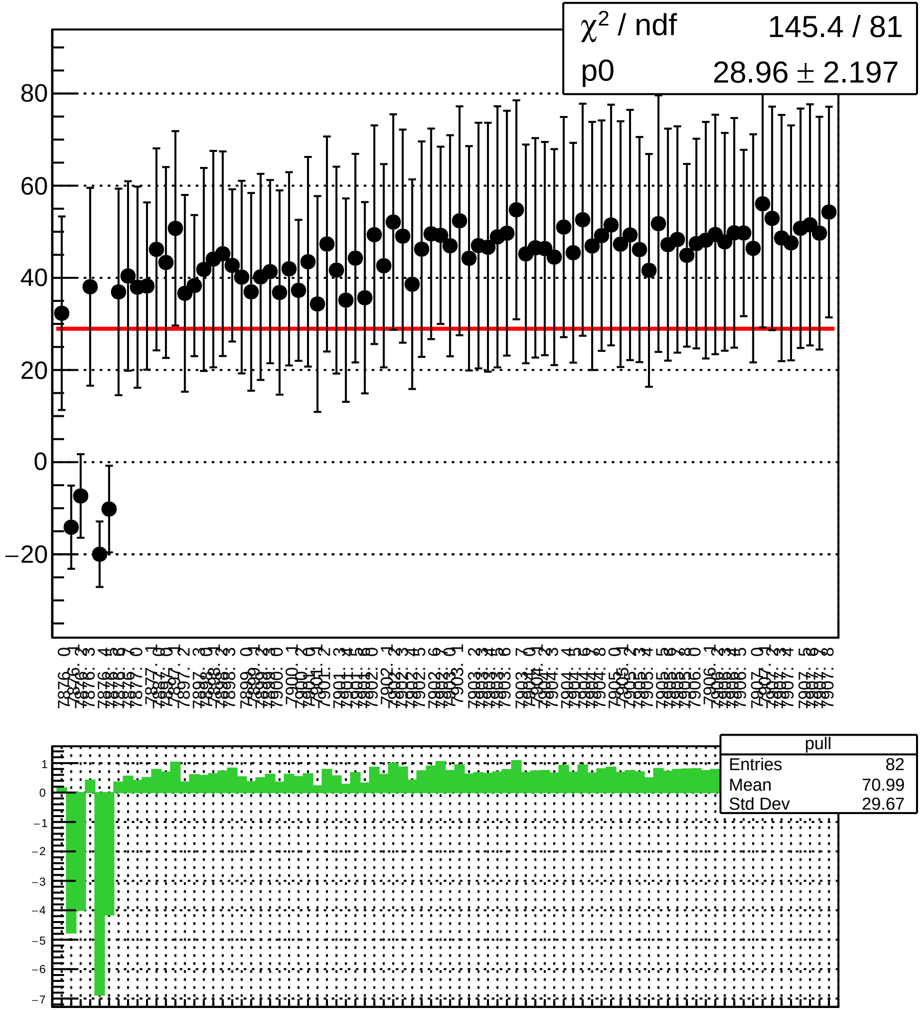


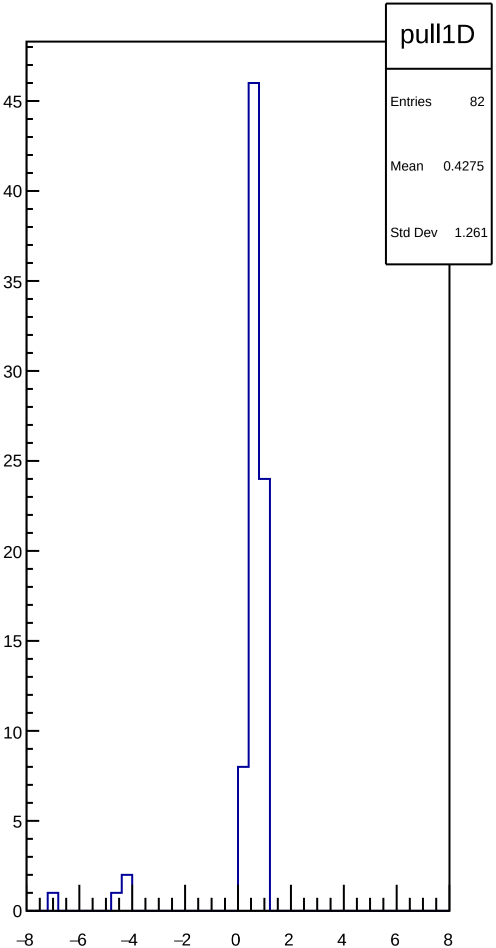


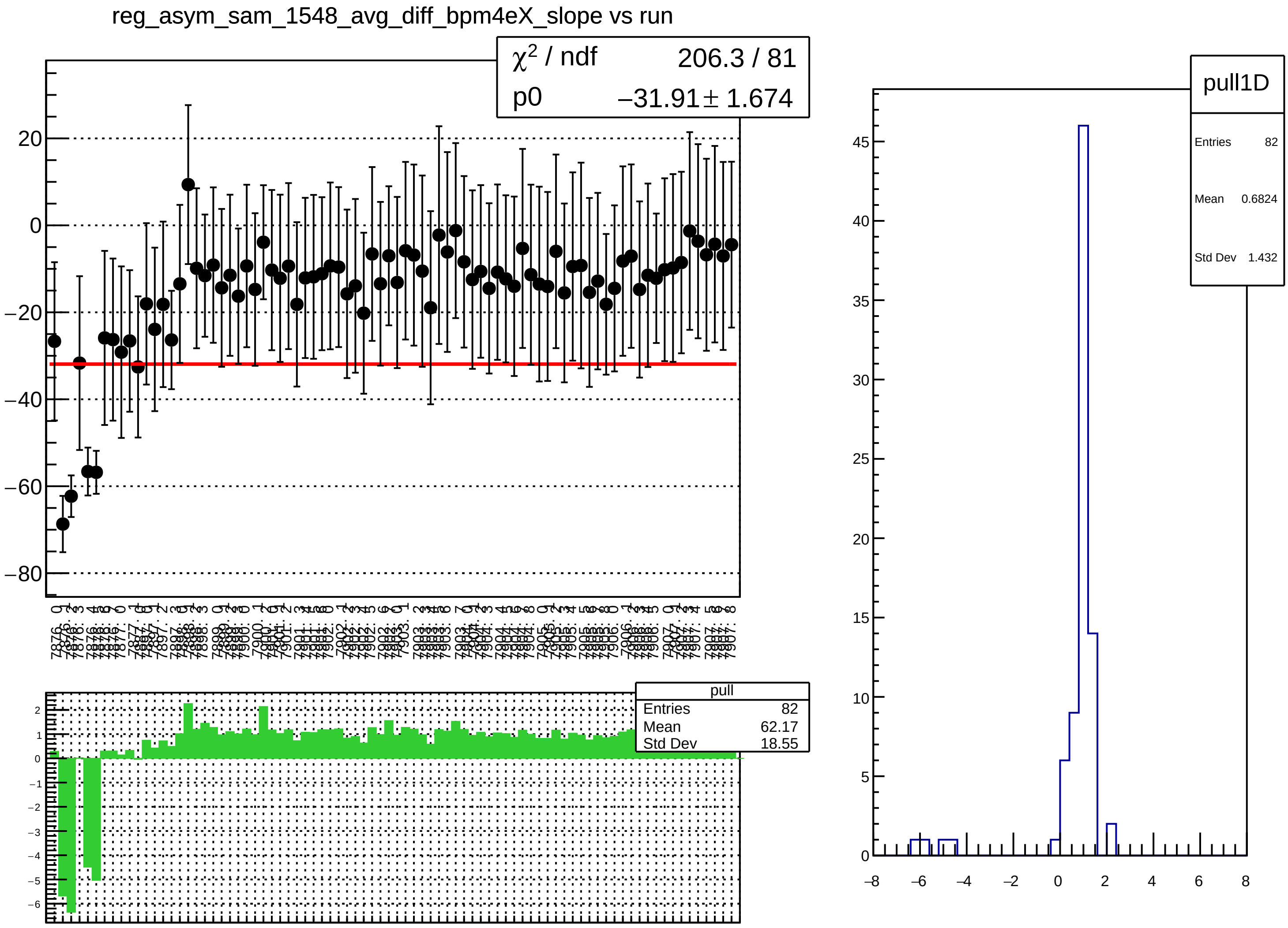


reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 173.5 / 81
p0 −32 ± 2.061
pull
Entries 82
Mean 65.16
Std Dev 23.01
pull1D
Entries 82
Mean −0.5786
Std Dev 1.335

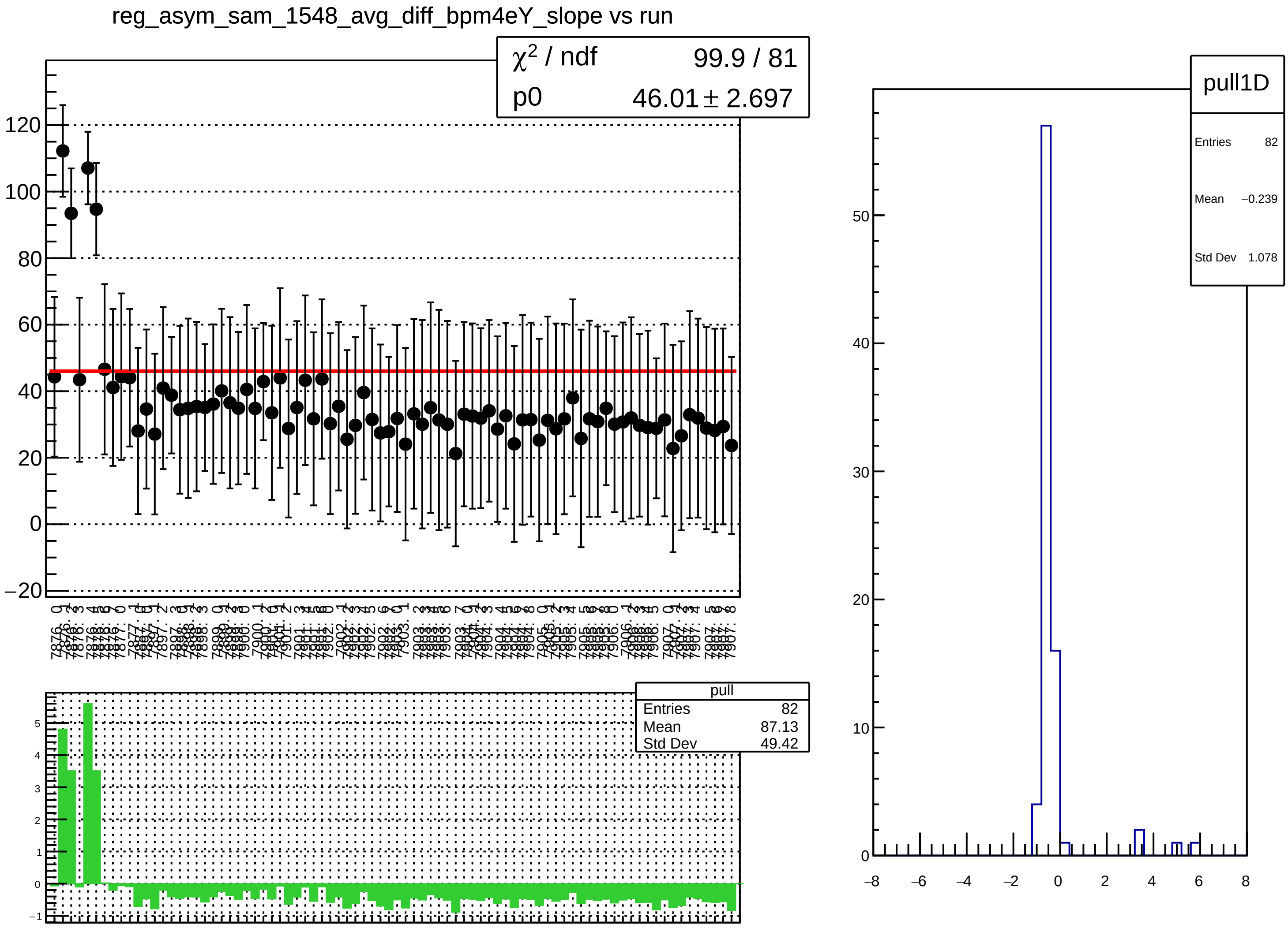
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run



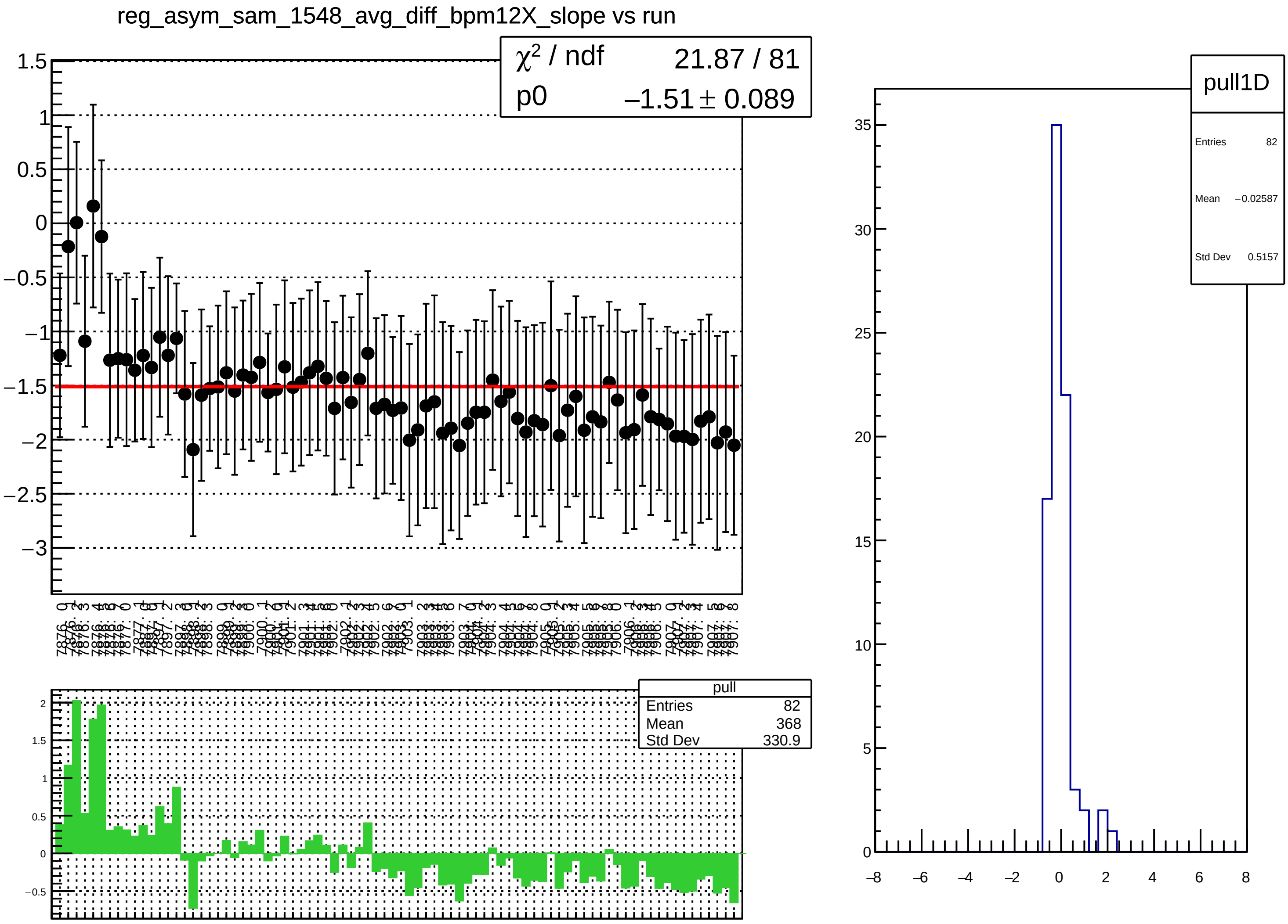




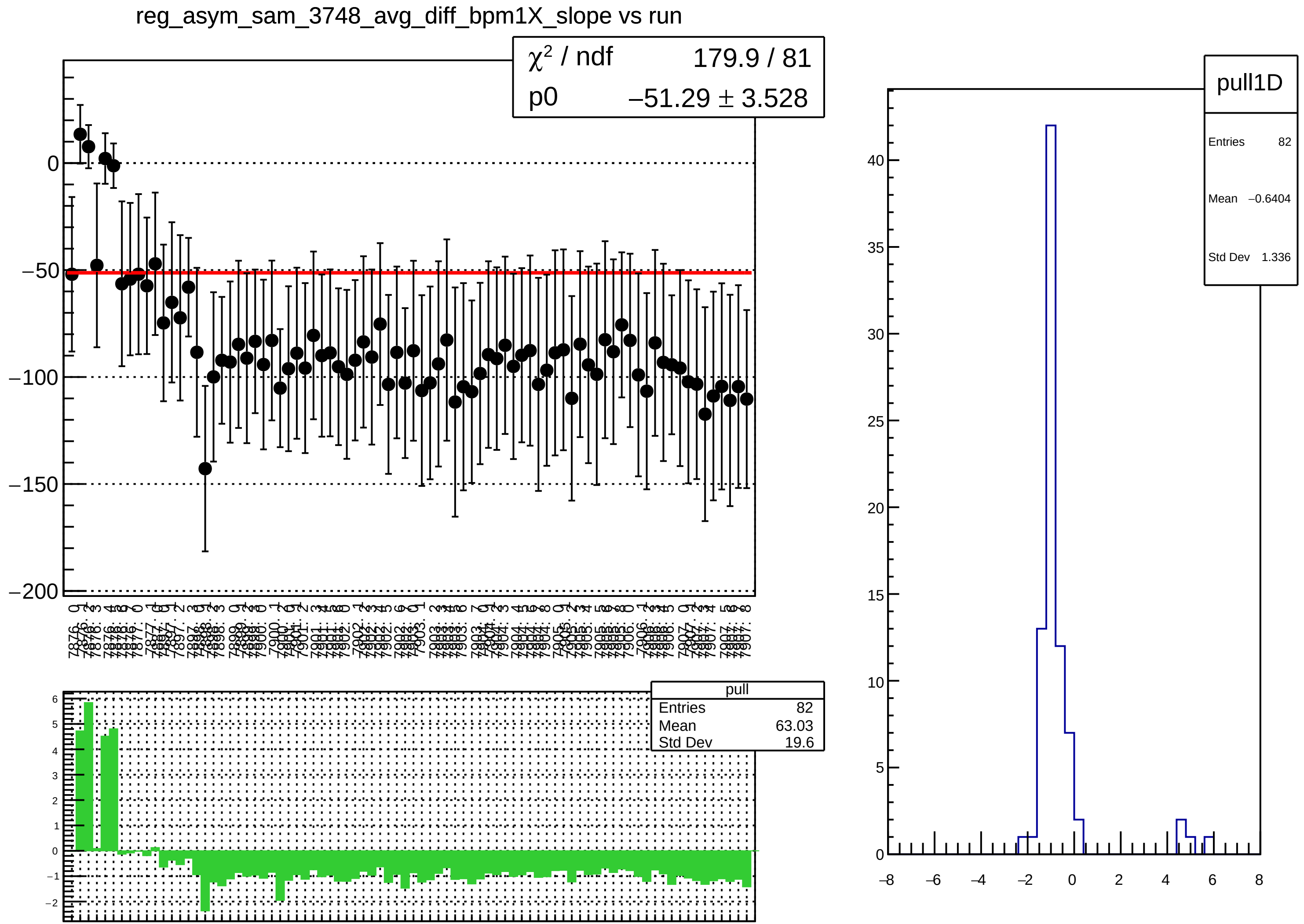
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 206.3 / 81
p0 −31.91 ± 1.674
pull
Entries 82
Mean 62.17
Std Dev 18.55
pull1D
Entries 82
Mean 0.6824
Std Dev 1.432



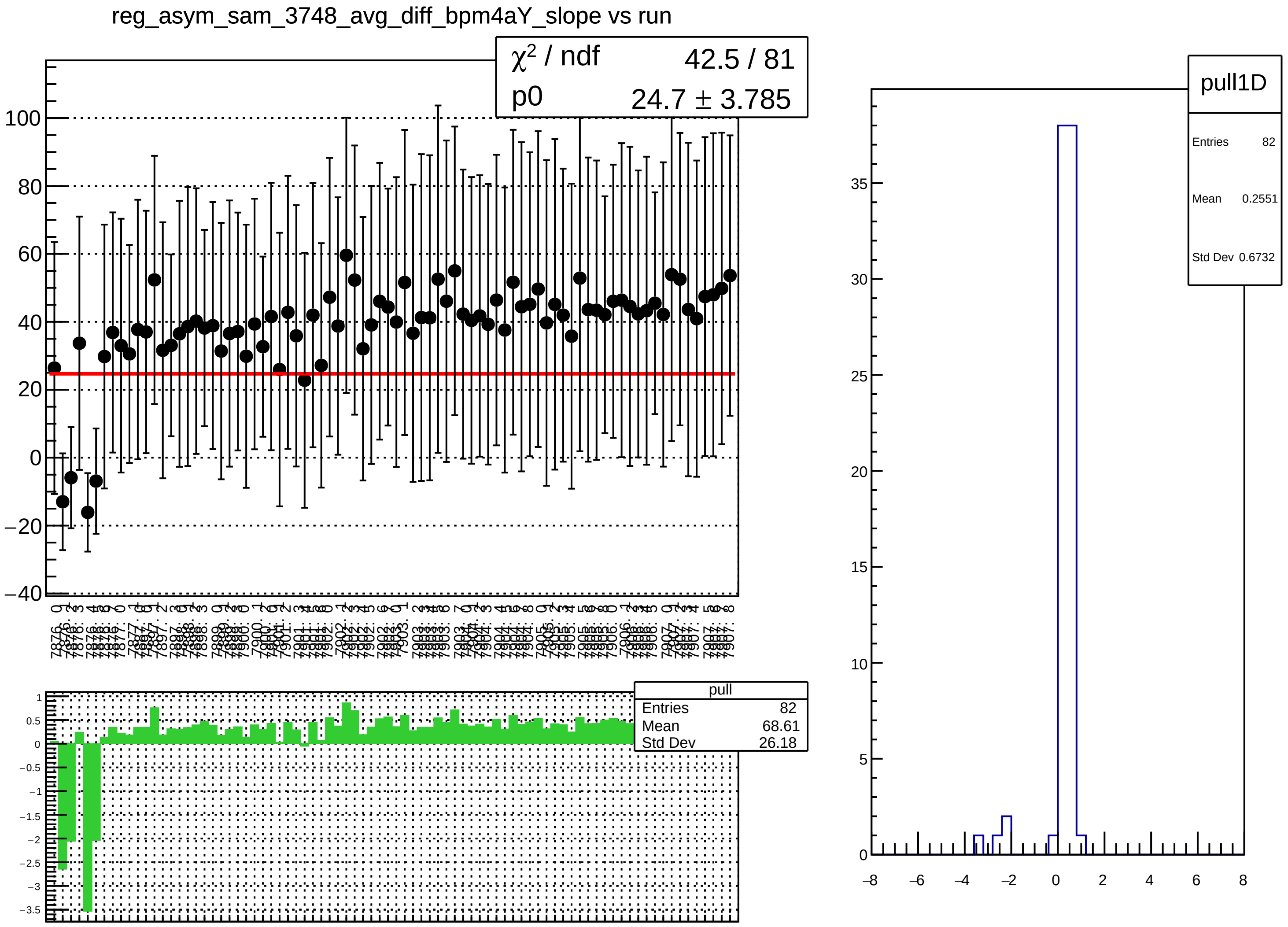
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ2 / ndf 99.9 / 81
p0 46.01 ± 2.697
pull
Entries 82
Mean 87.13
Std Dev 49.42
pull1D
Entries 82
Mean −0.239
Std Dev 1.078



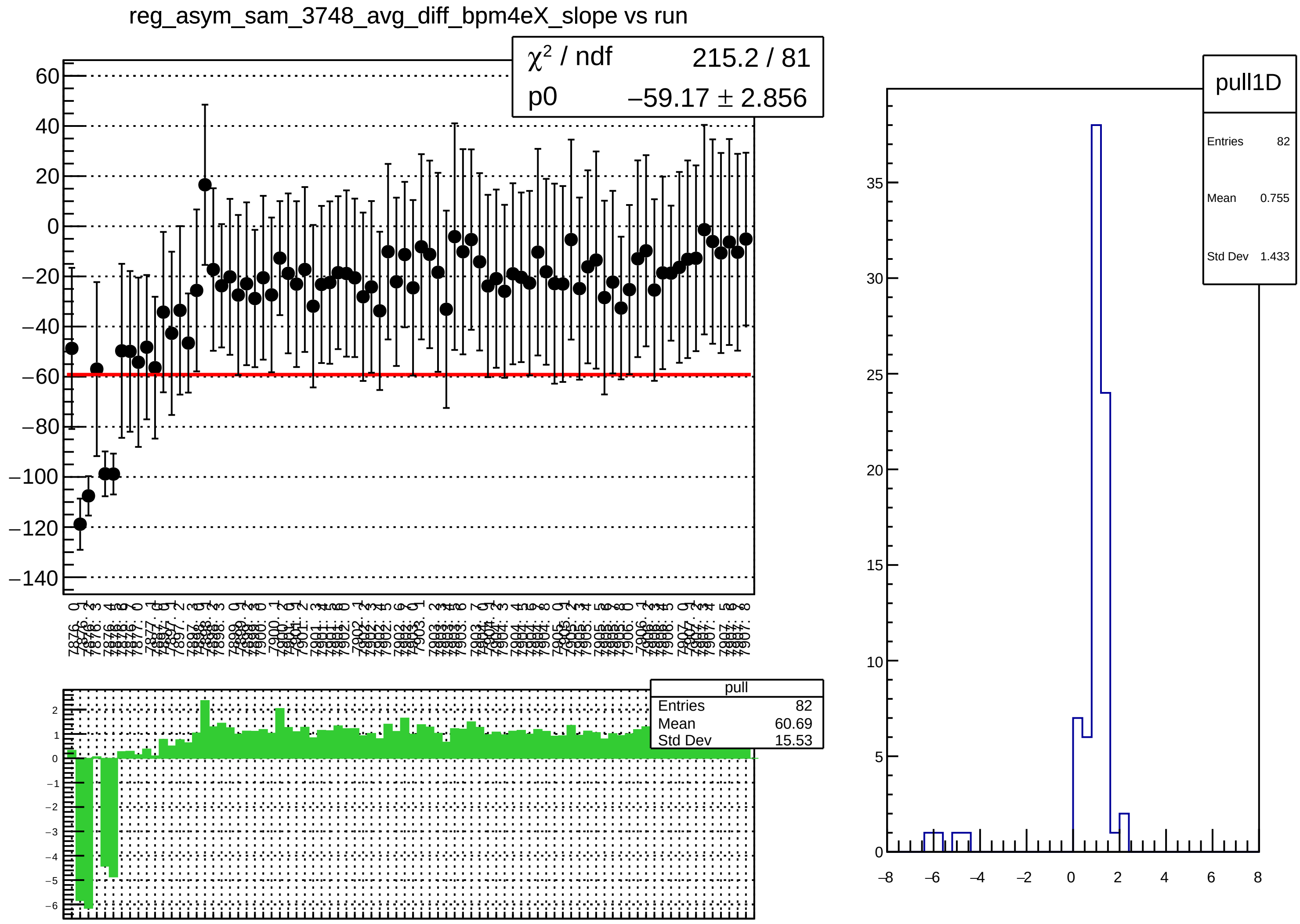
reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 21.87 / 81
p0 −1.51 ± 0.089
pull
Entries 82
Mean 368
Std Dev 330.9
pull1D
Entries 82
Mean −0.02587
Std Dev 0.5157



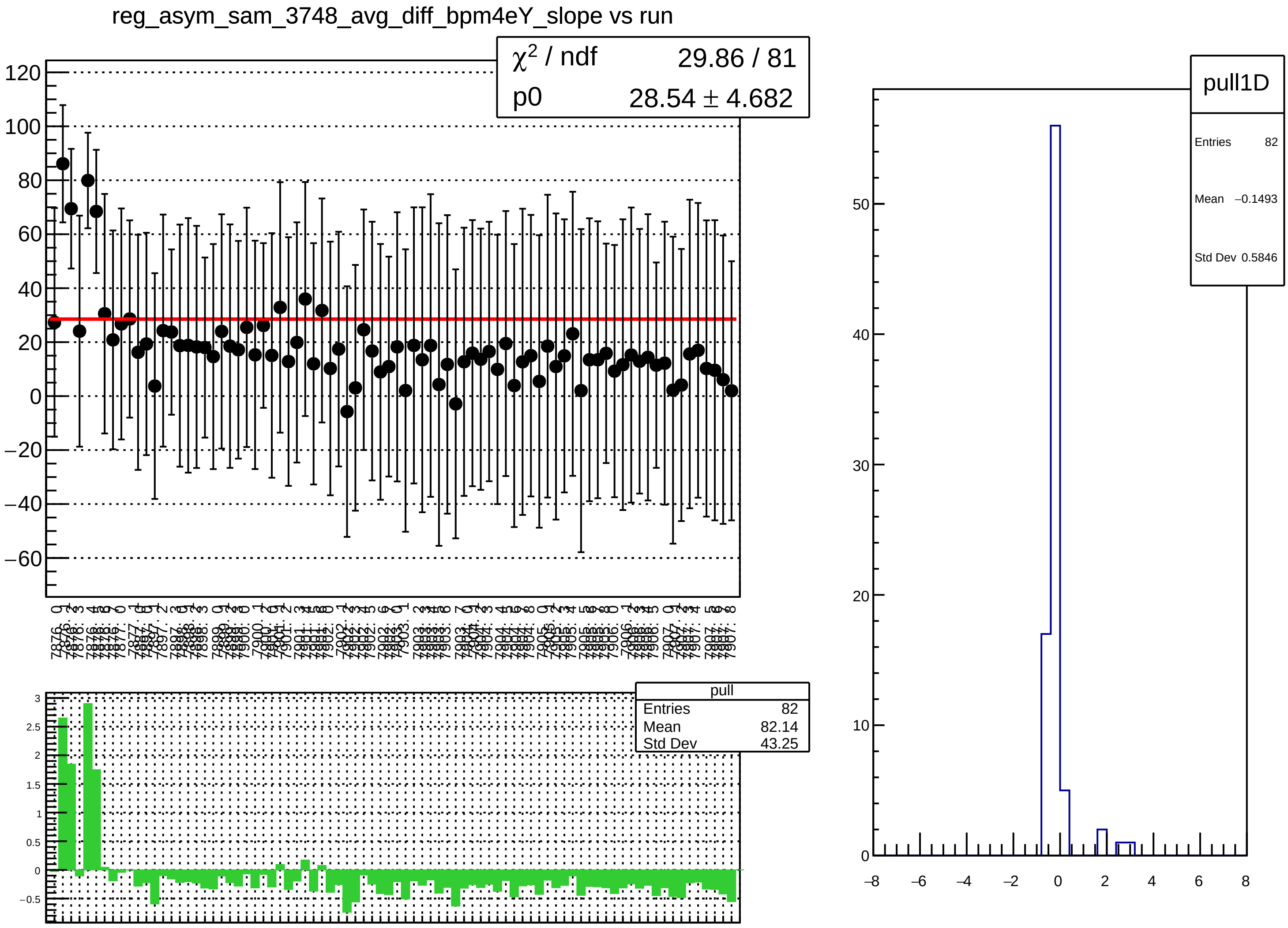
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 179.9 / 81
p0 −51.29 ± 3.528
pull
Entries 82
Mean 63.03
Std Dev 19.6
pull1D
Entries 82
Mean −0.6404
Std Dev 1.336



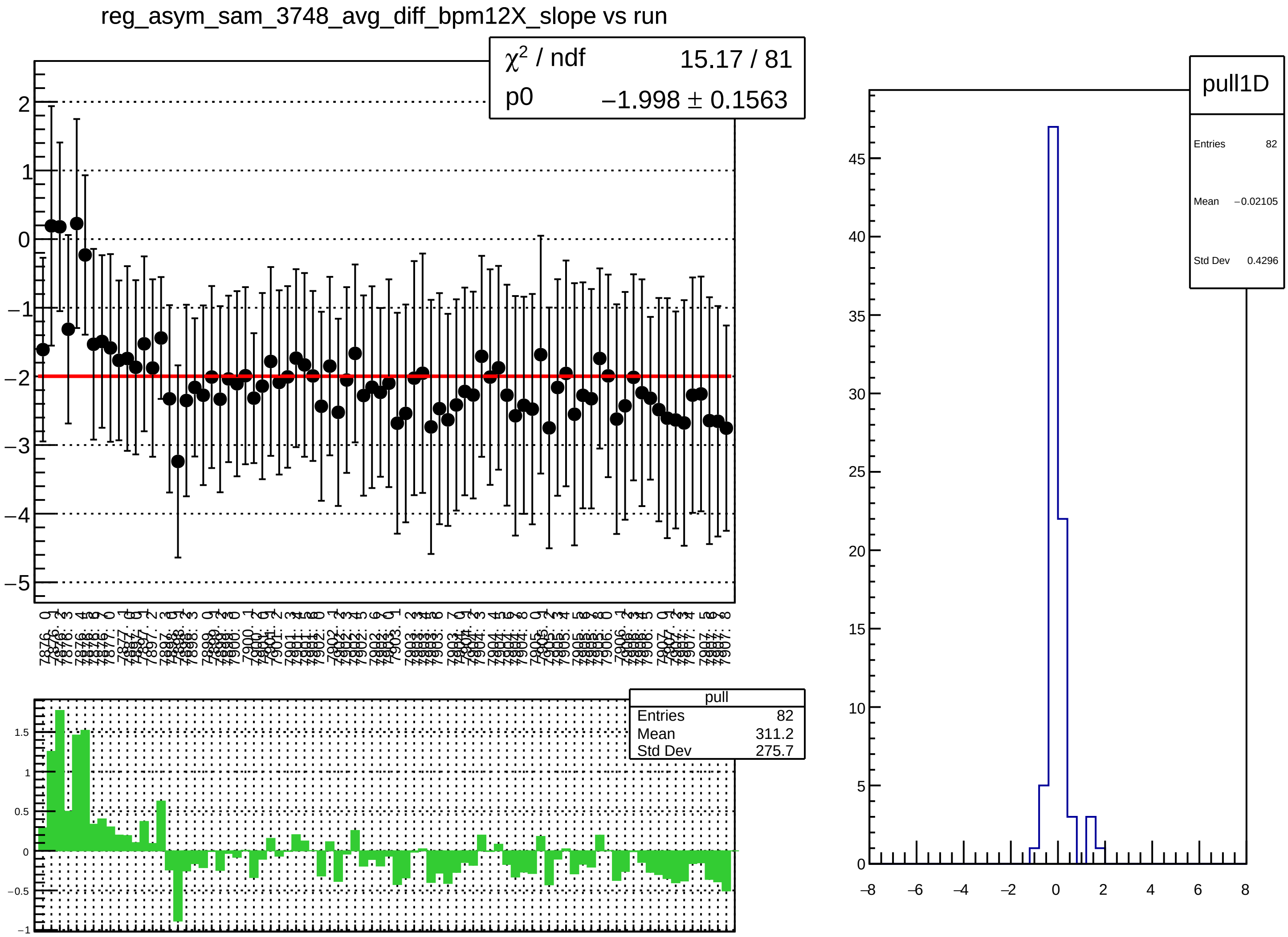
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 42.5 / 81
p0 24.7 ± 3.785
pull
Entries 82
Mean 68.61
Std Dev 26.18
pull1D
Entries 82
Mean 0.2551
Std Dev 0.6732

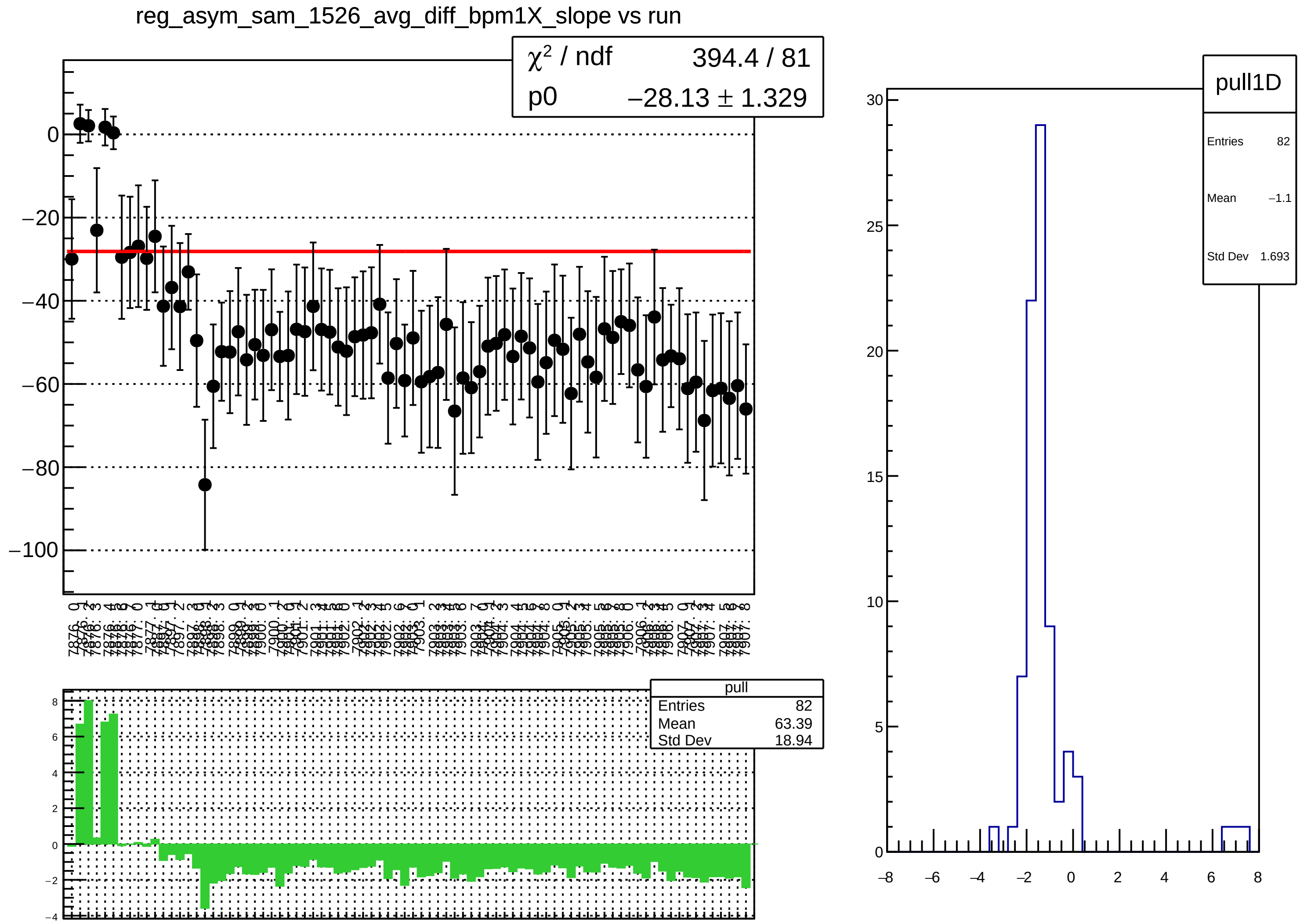


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 215.2 / 81
p0 −59.17 ± 2.856
pull
Entries 82
Mean 60.69
Std Dev 15.53
pull1D
Entries 82
Mean 0.755
Std Dev 1.433

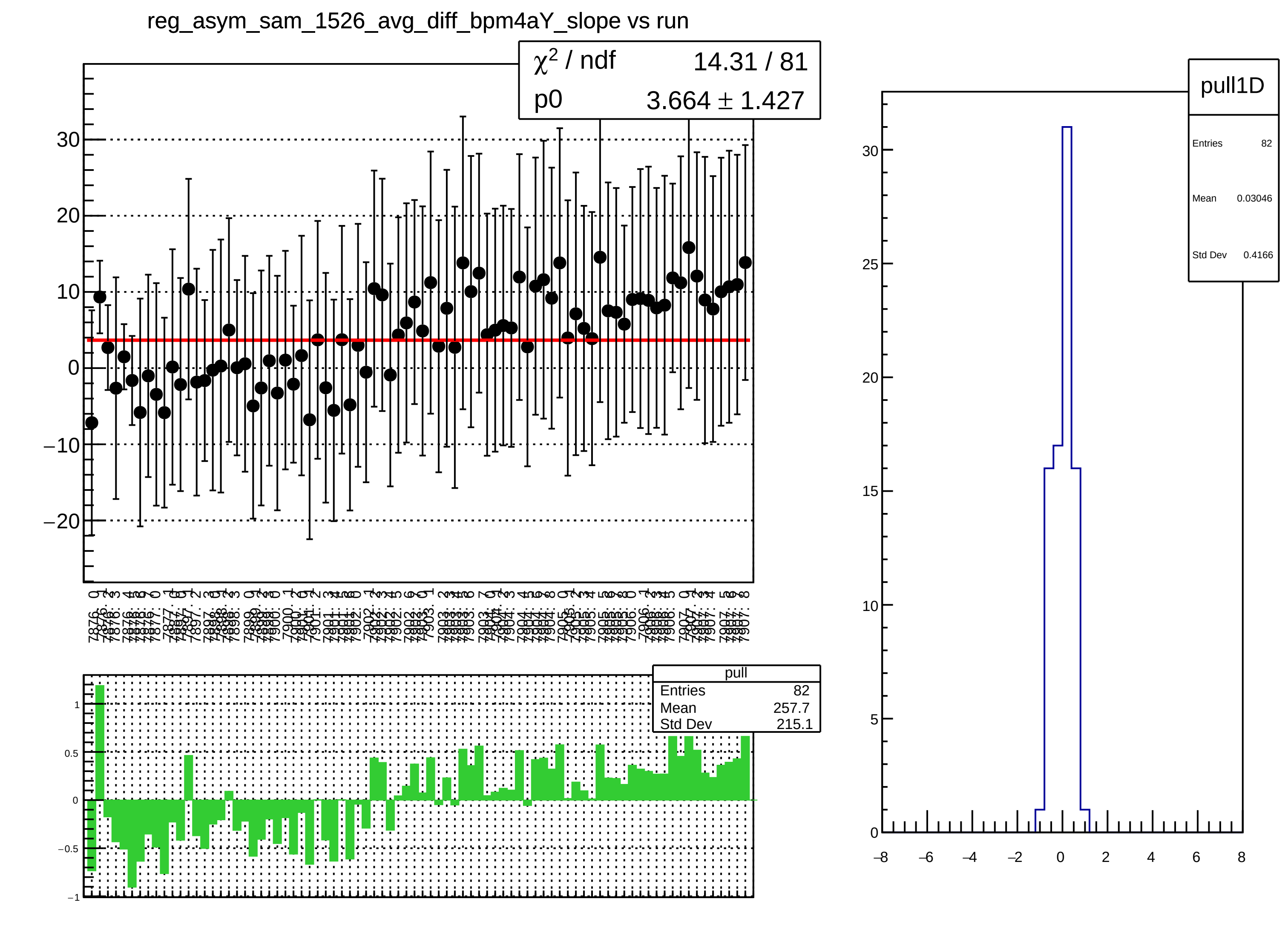


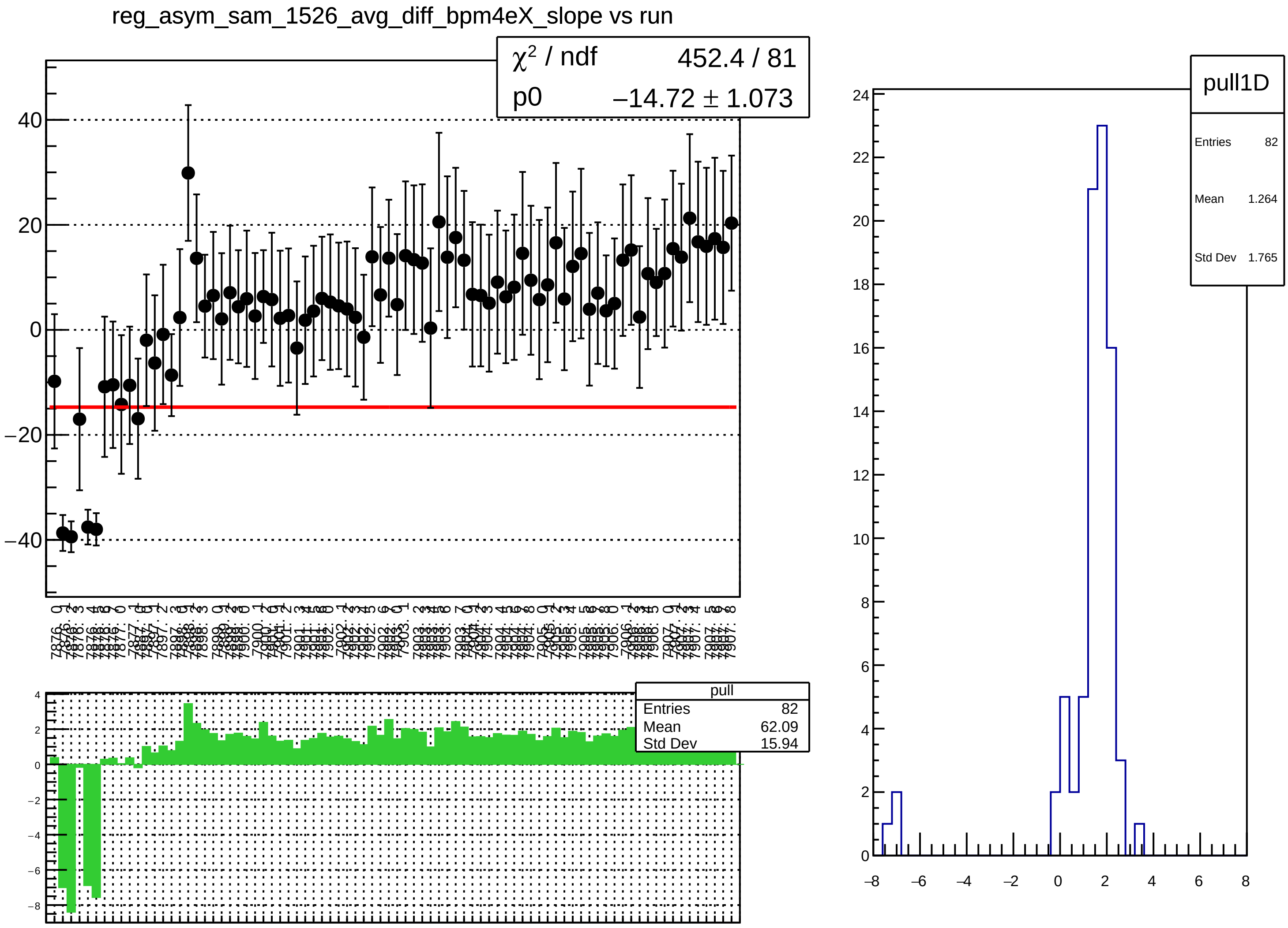
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ2 / ndf 29.86 / 81
p0 28.54 ± 4.682
pull
Entries 82
Mean 82.14
Std Dev 43.25
pull1D
Entries 82
Mean −0.1493
Std Dev 0.5846

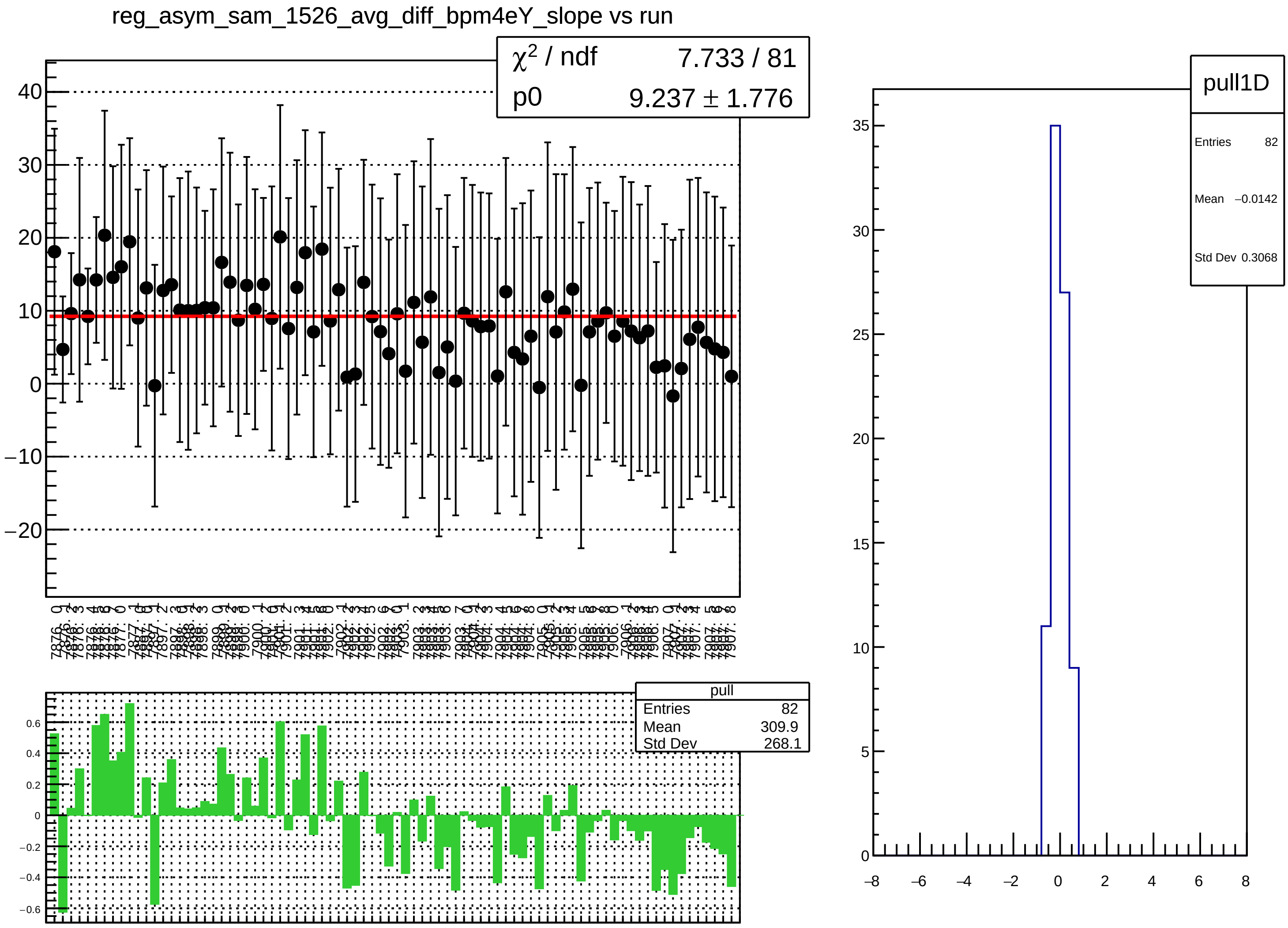

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ2 / ndf 15.17 / 81
p0 −1.998 ± 0.1563
pull
Entries 82
Mean 311.2
Std Dev 275.7
pull1D
Entries 82
Mean −0.02105
Std Dev 0.4296



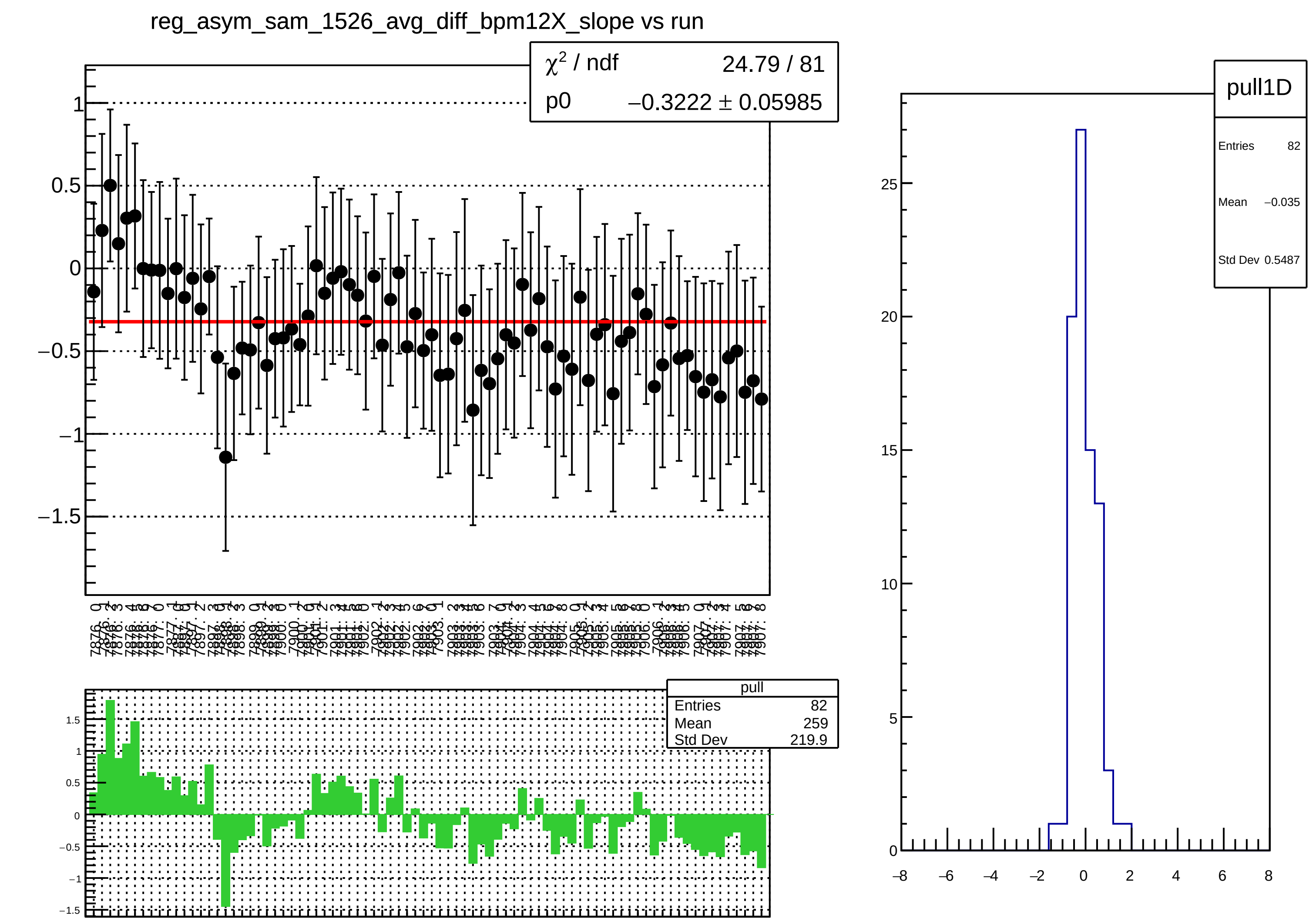
reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ2 / ndf 394.4 / 81
p0 −28.13 ± 1.329
0
−20
−40
−60
−80
−100
pull
Entries 82
Mean 63.39
Std Dev 18.94
8
6
4
2
0
−2
−4
pull1D
Entries 82
Mean −1.1
Std Dev 1.693
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / 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

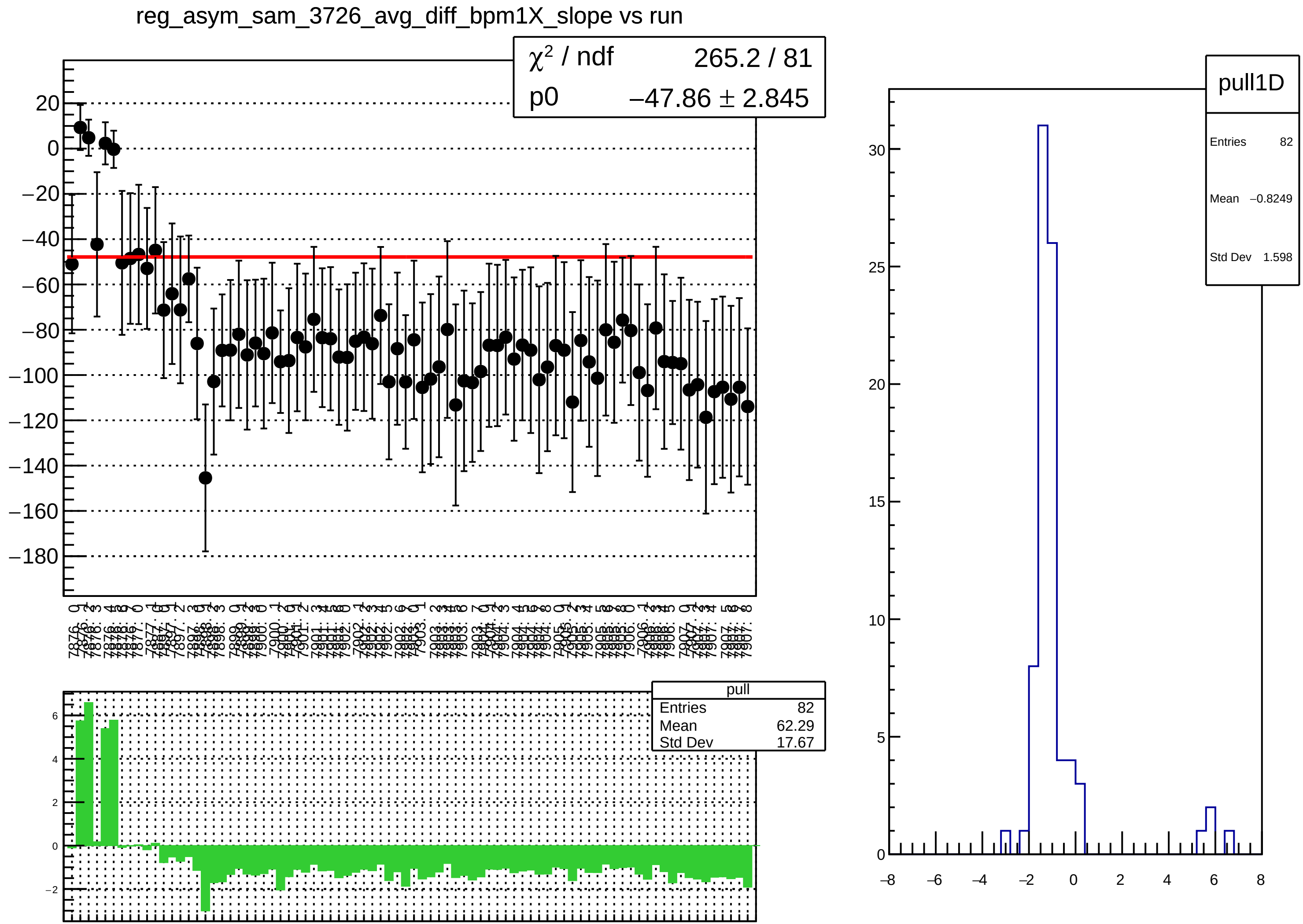

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 452.4 / 81
p0 −14.72 ± 1.073
pull
Entries 82
Mean 62.09
Std Dev 15.94
pull1D
Entries 82
Mean 1.264
Std Dev 1.765



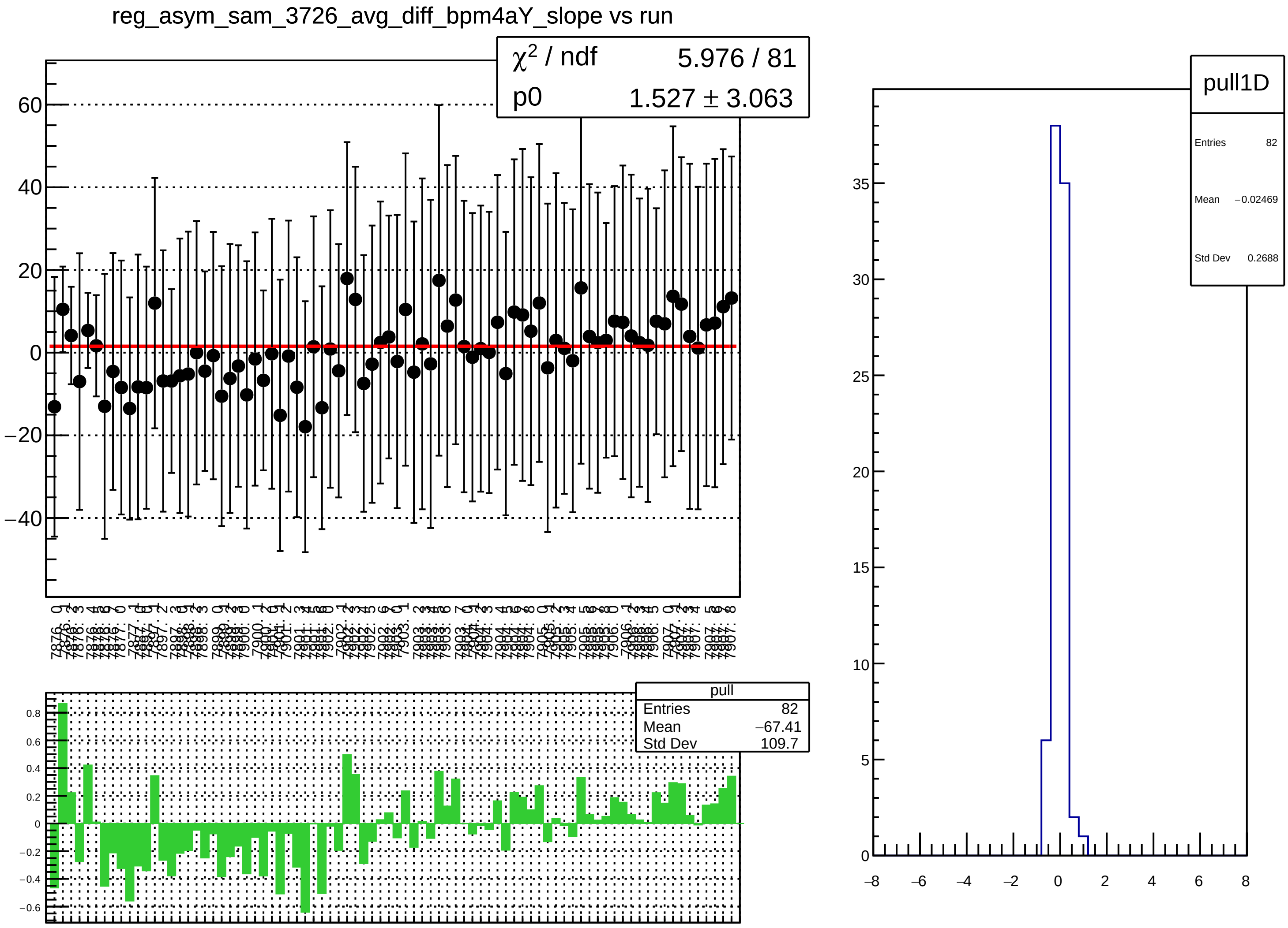
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.733 / 81
p0 9.237 ± 1.776
pull
Entries 82
Mean 309.9
Std Dev 268.1
pull1D
Entries 82
Mean −0.0142
Std Dev 0.3068



reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / 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

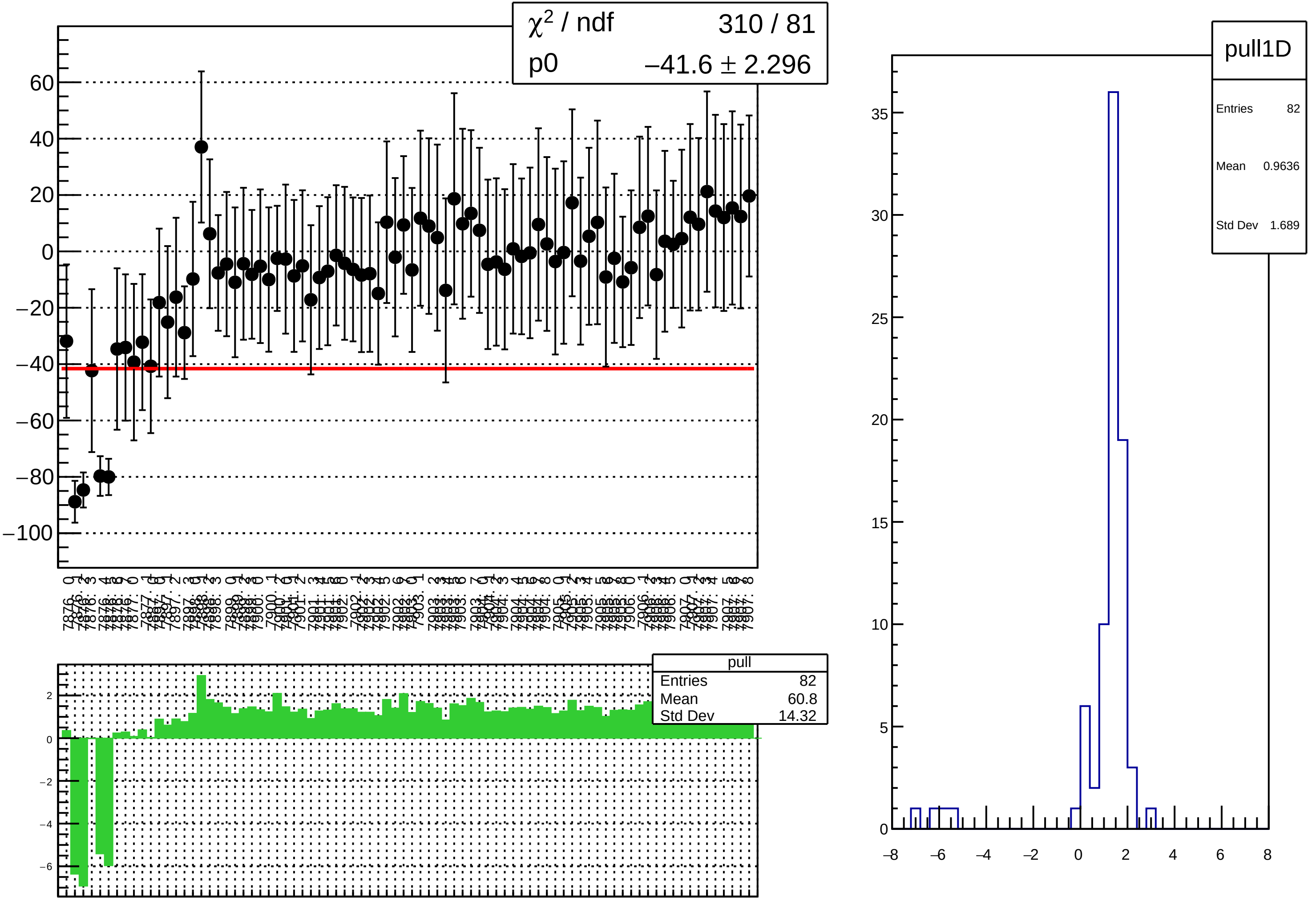


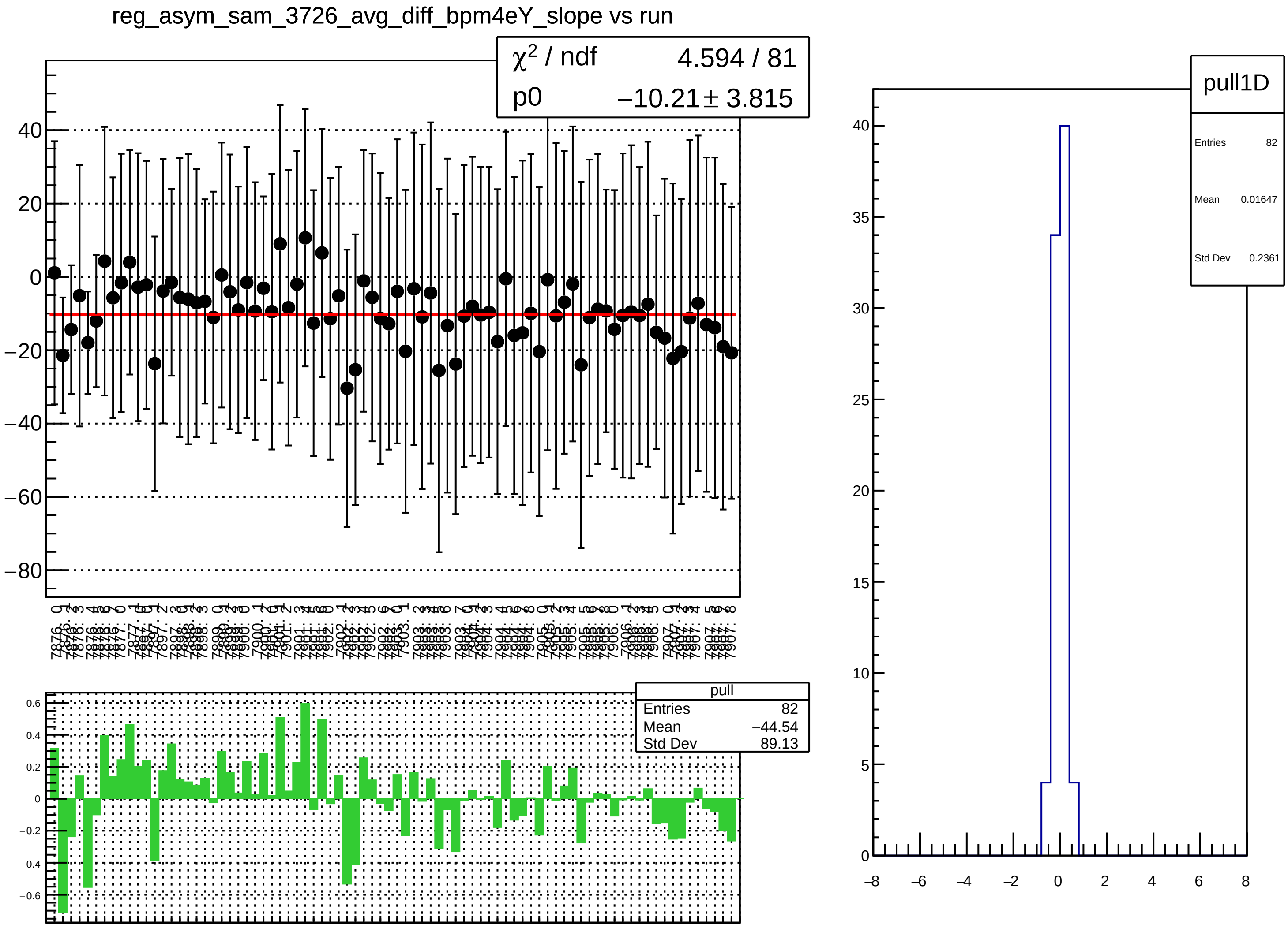
reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 265.2 / 81
p0 −47.86 ± 2.845
pull
Entries 82
Mean 62.29
Std Dev 17.67
pull1D
Entries 82
Mean −0.8249
Std Dev 1.598

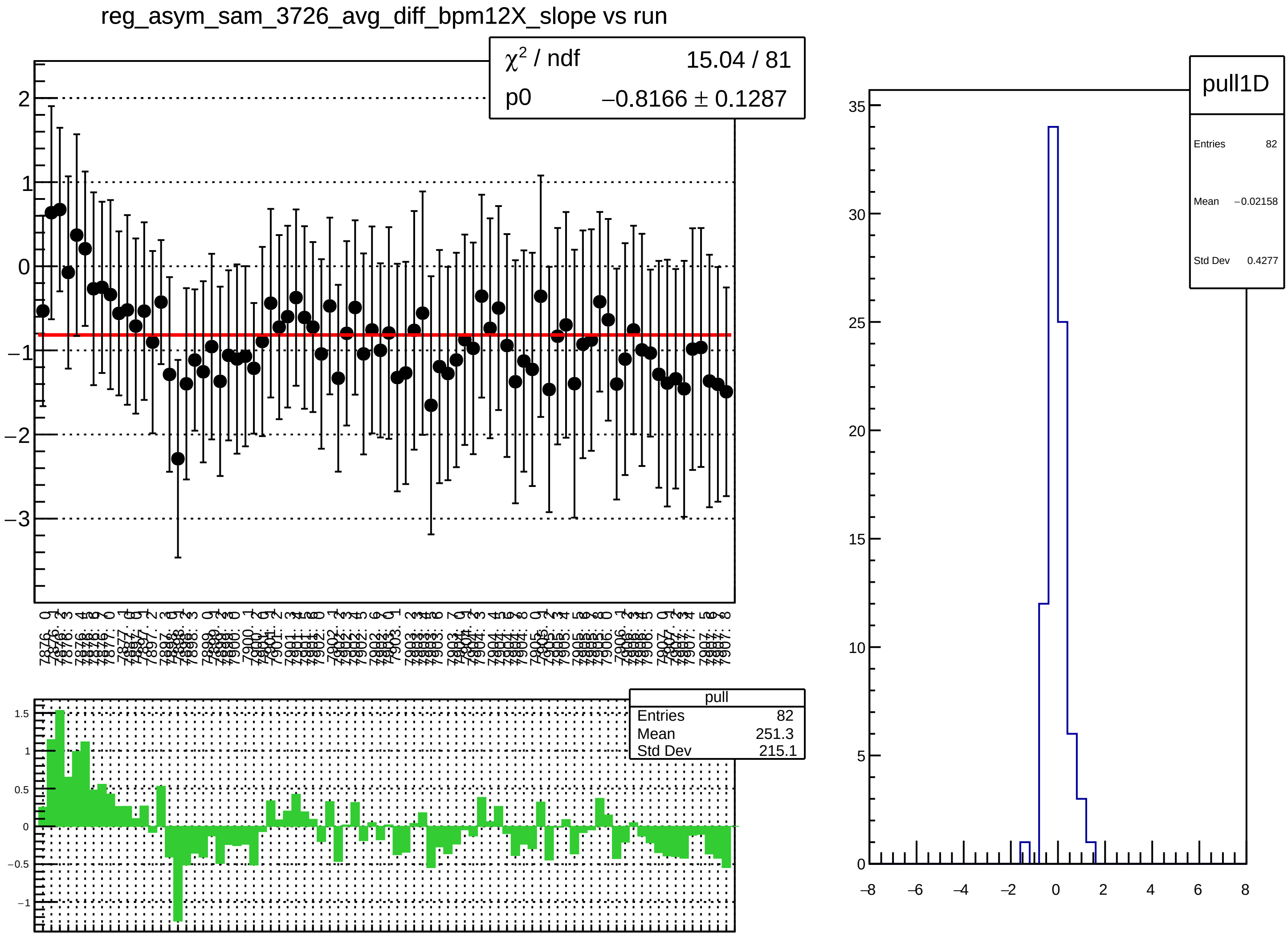


reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ2 / ndf 5.976 / 81
p0 1.527 ± 3.063
pull
Entries 82
Mean −67.41
Std Dev 109.7
pull1D
Entries 82
Mean −0.02469
Std Dev 0.2688

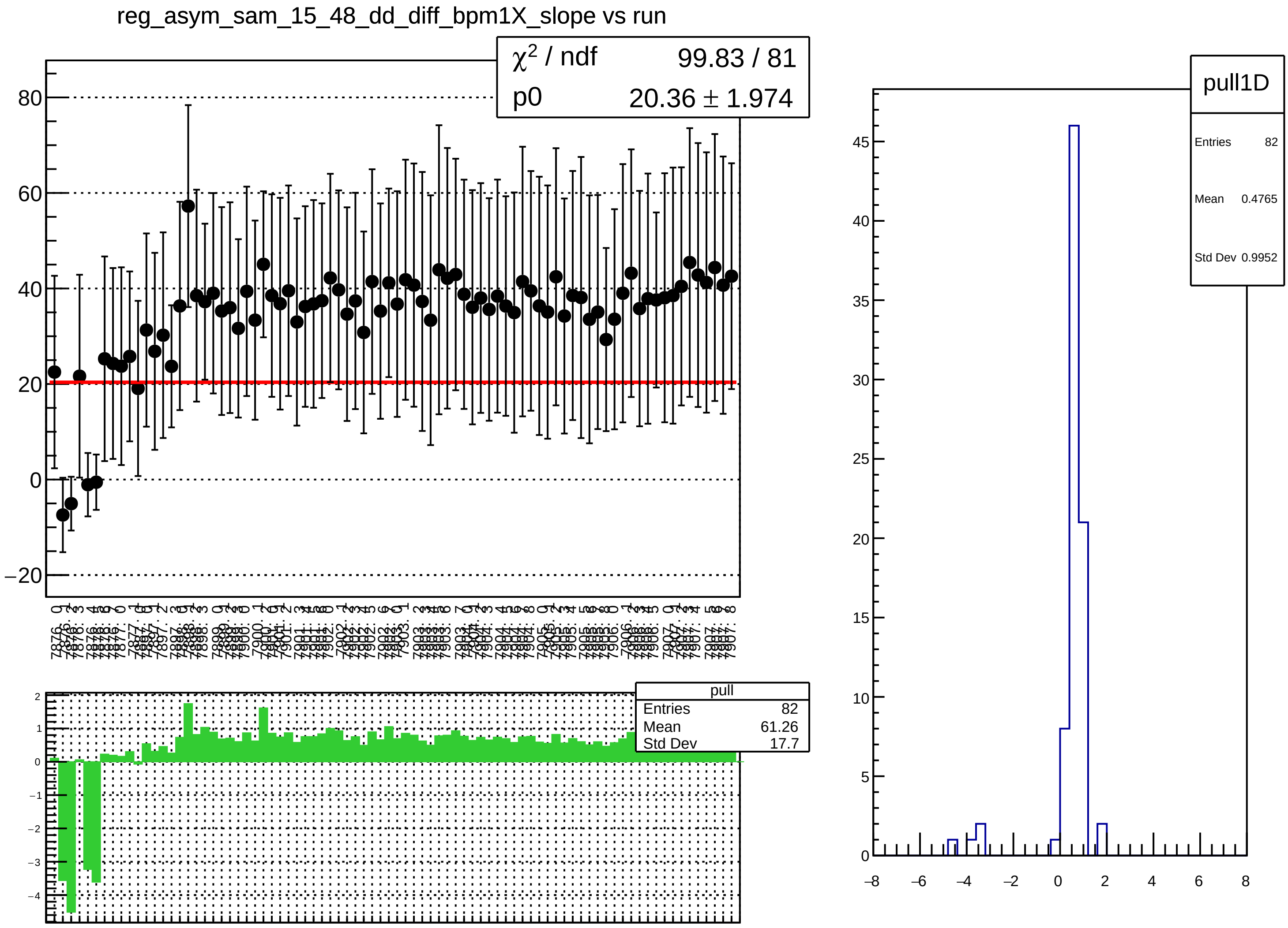
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run



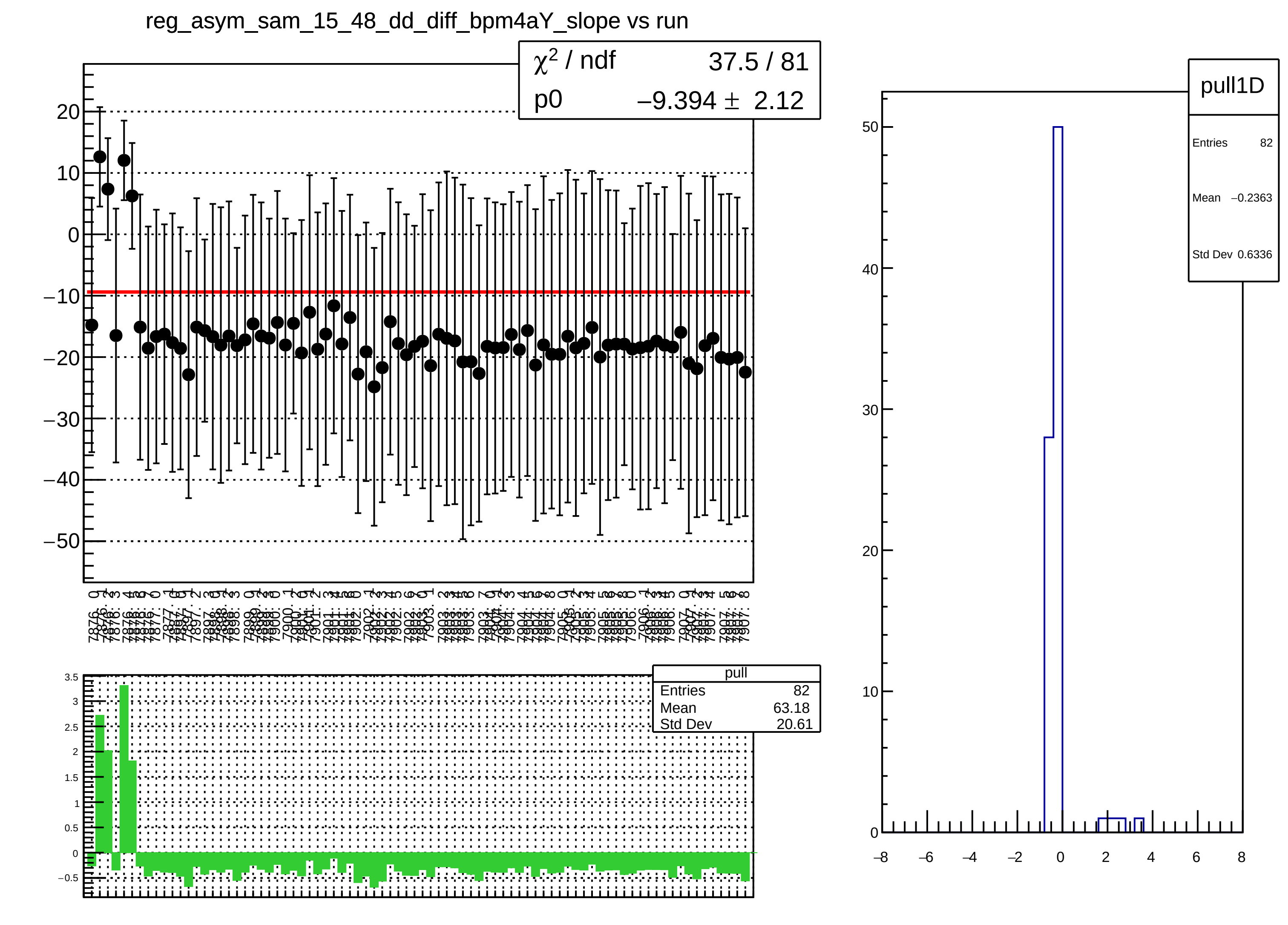

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.594 / 81
p0 −10.21 ± 3.815
pull
Entries 82
Mean −44.54
Std Dev 89.13
pull1D
Entries 82
Mean 0.01647
Std Dev 0.2361



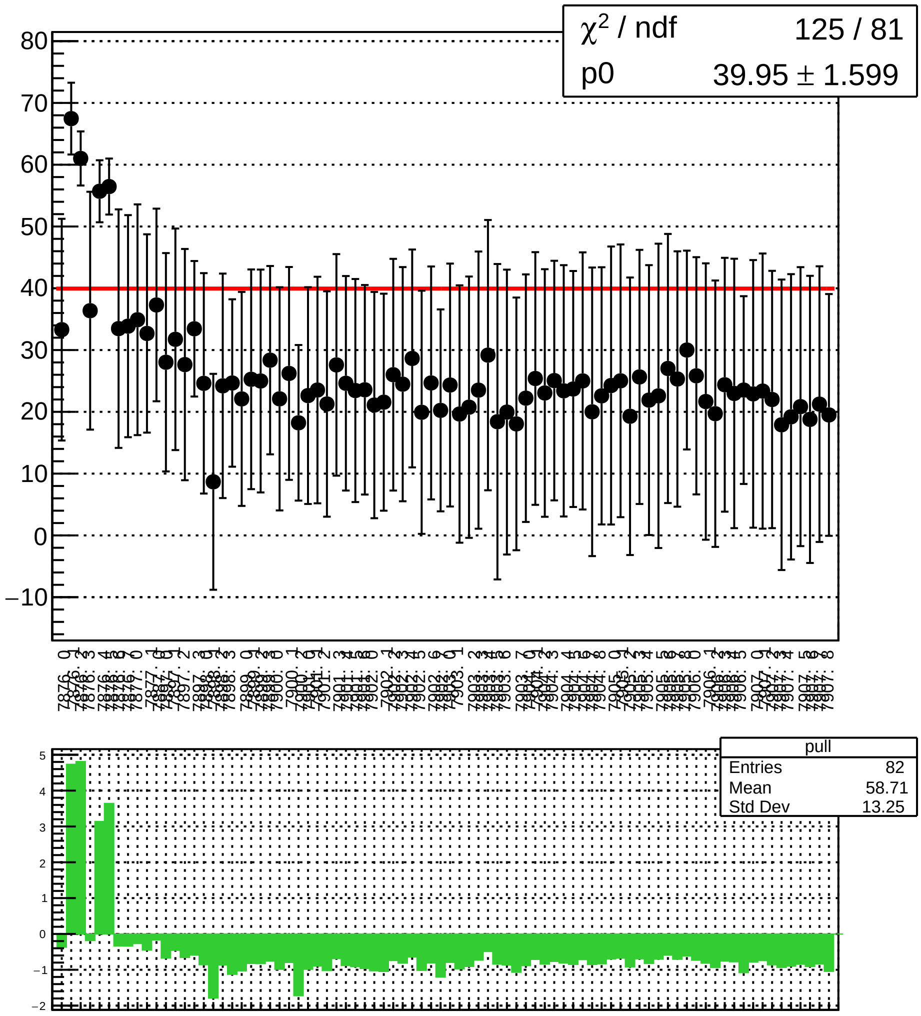
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 15.04 / 81
p0 −0.8166 ± 0.1287
pull
Entries 82
Mean 251.3
Std Dev 215.1
pull1D
Entries 82
Mean −0.02158
Std Dev 0.4277

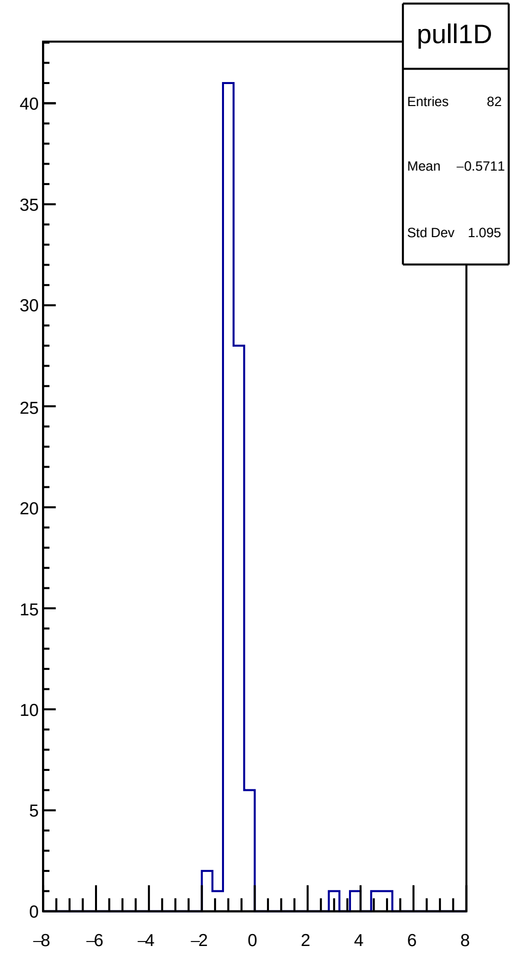


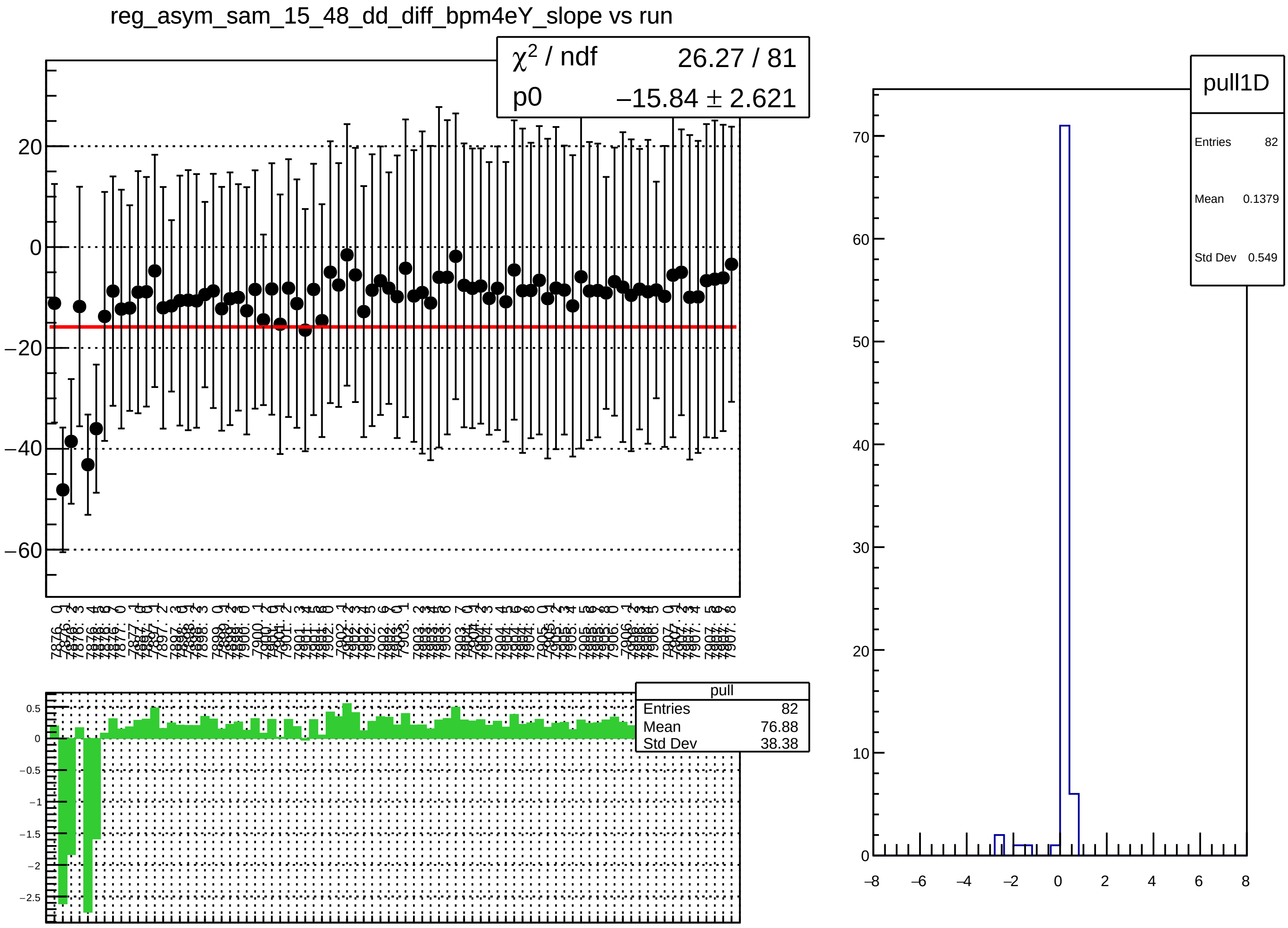
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 99.83 / 81
p0 20.36 ± 1.974
pull
Entries 82
Mean 61.26
Std Dev 17.7
pull1D
Entries 82
Mean 0.4765
Std Dev 0.9952


reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / 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

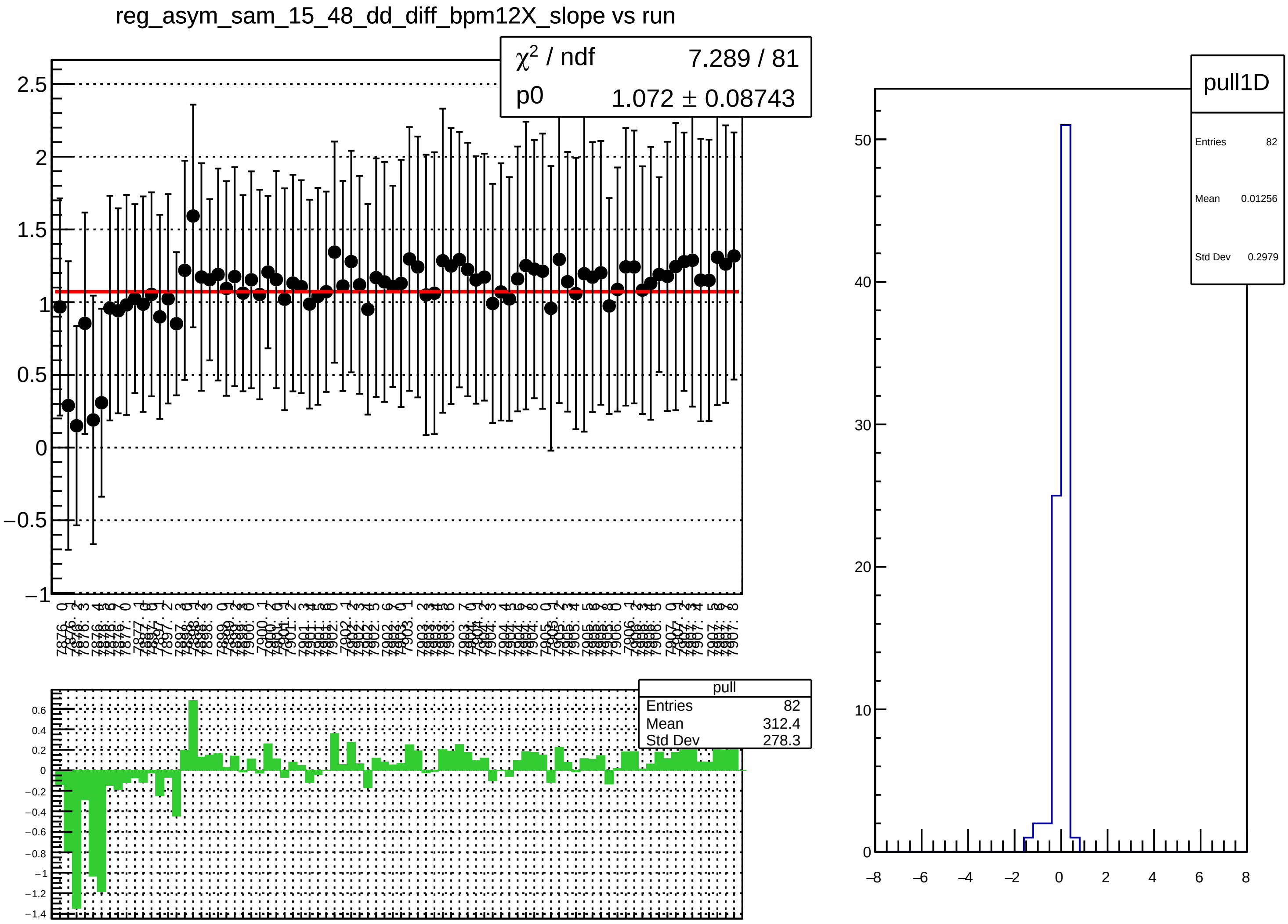
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run



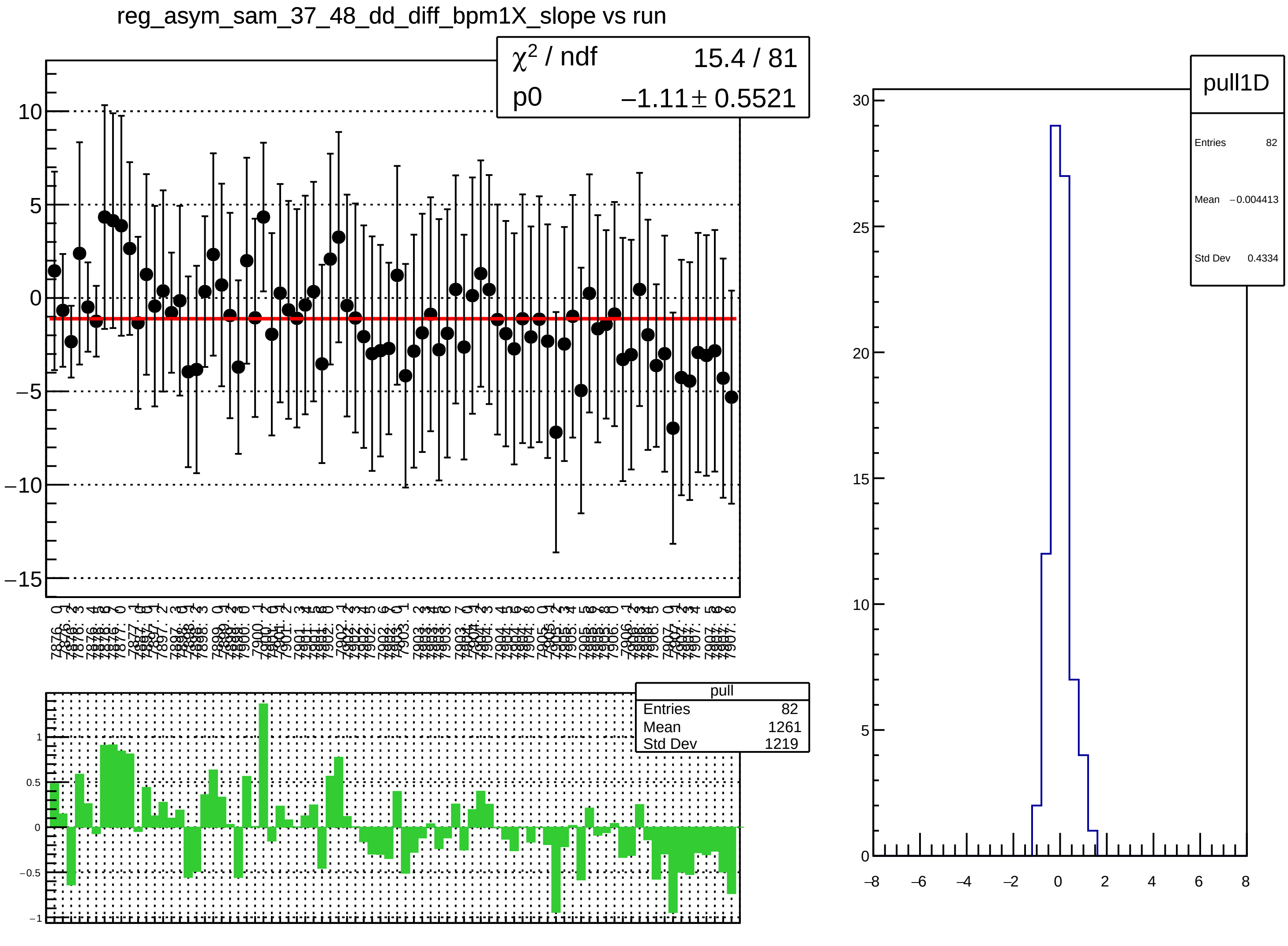




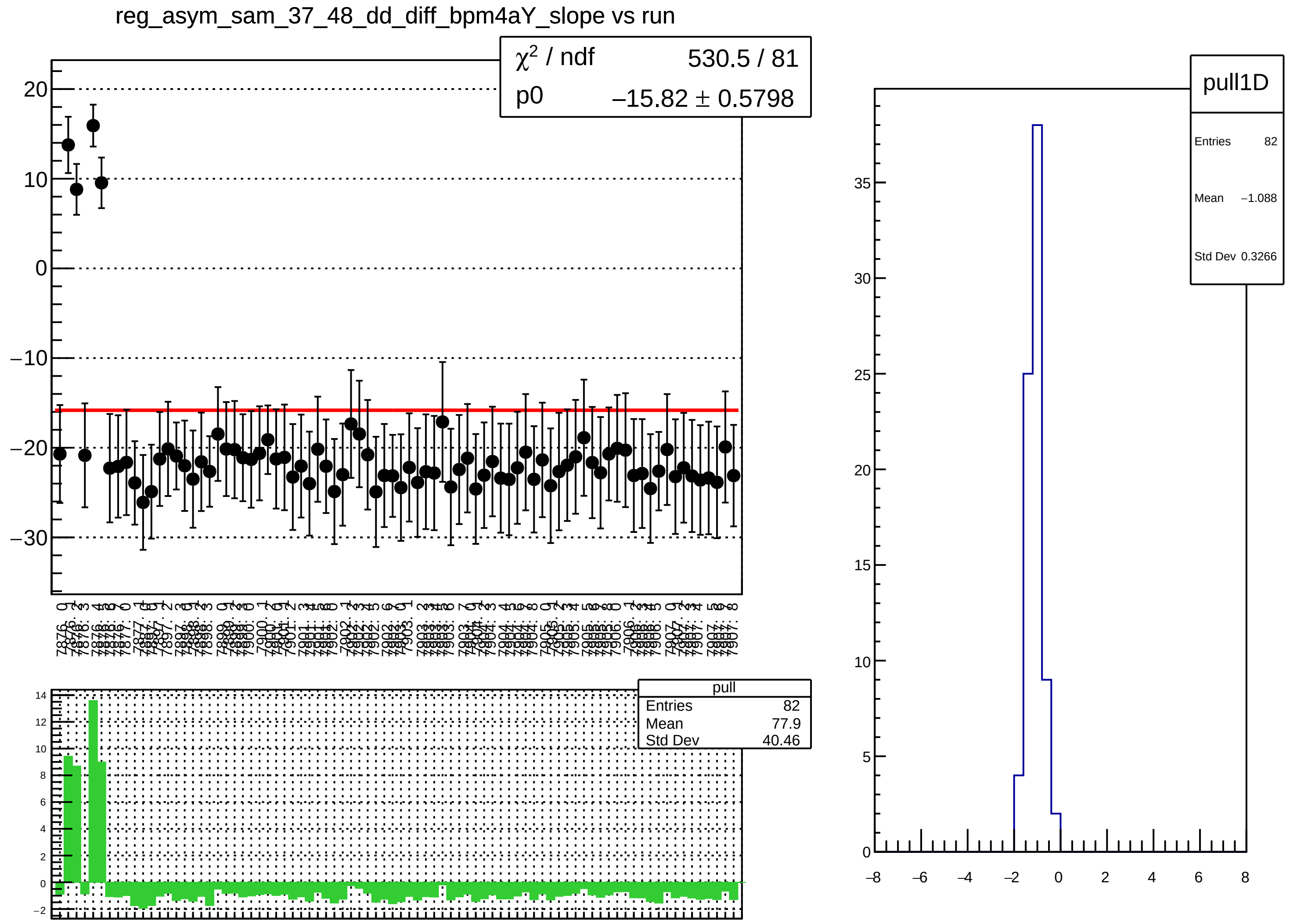
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 26.27 / 81
p0 −15.84 ± 2.621
pull
Entries 82
Mean 76.88
Std Dev 38.38
pull1D
Entries 82
Mean 0.1379
Std Dev 0.549



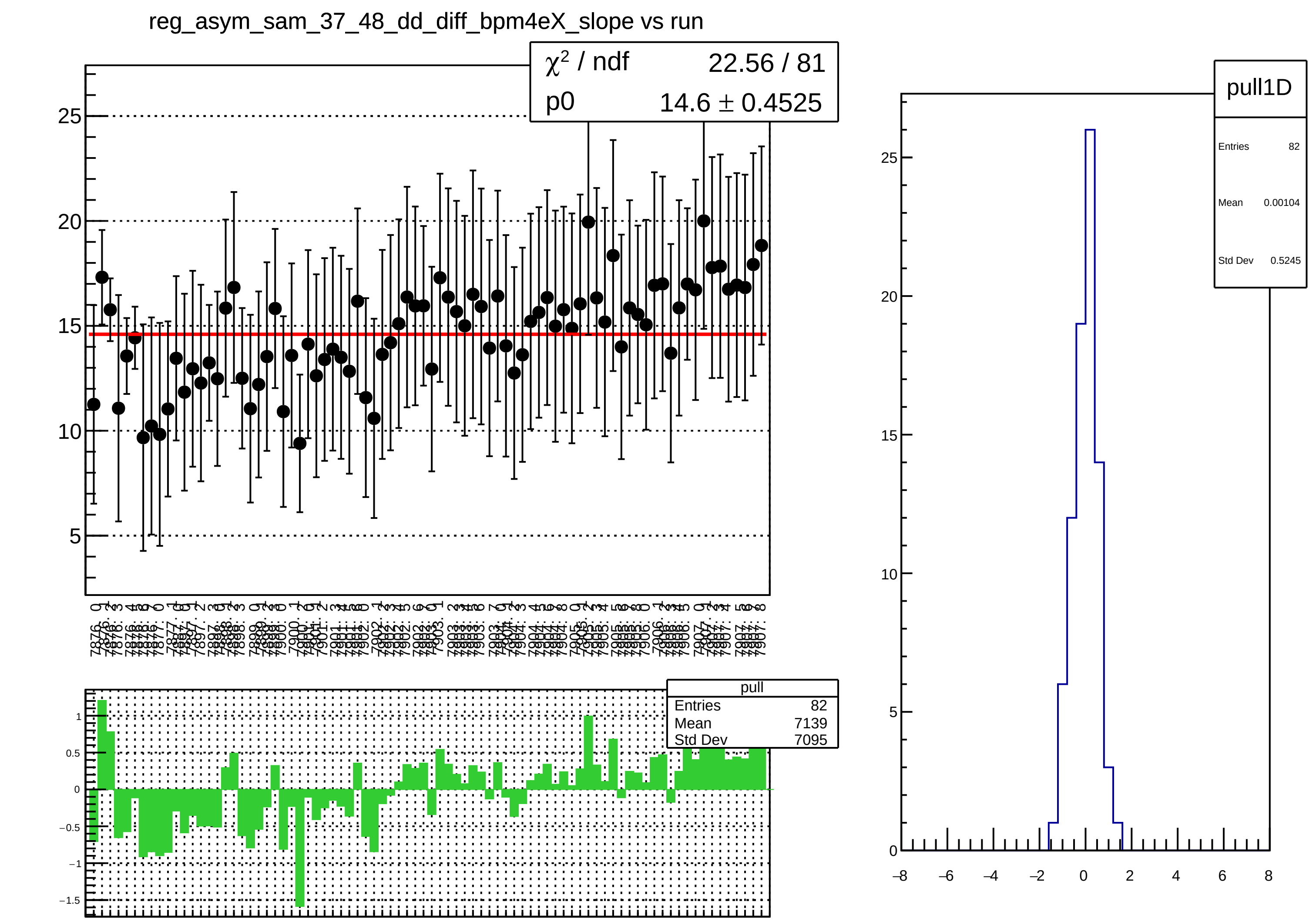
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.289 / 81
p0 1.072 ± 0.08743
pull
Entries 82
Mean 312.4
Std Dev 278.3
pull1D
Entries 82
Mean 0.01256
Std Dev 0.2979



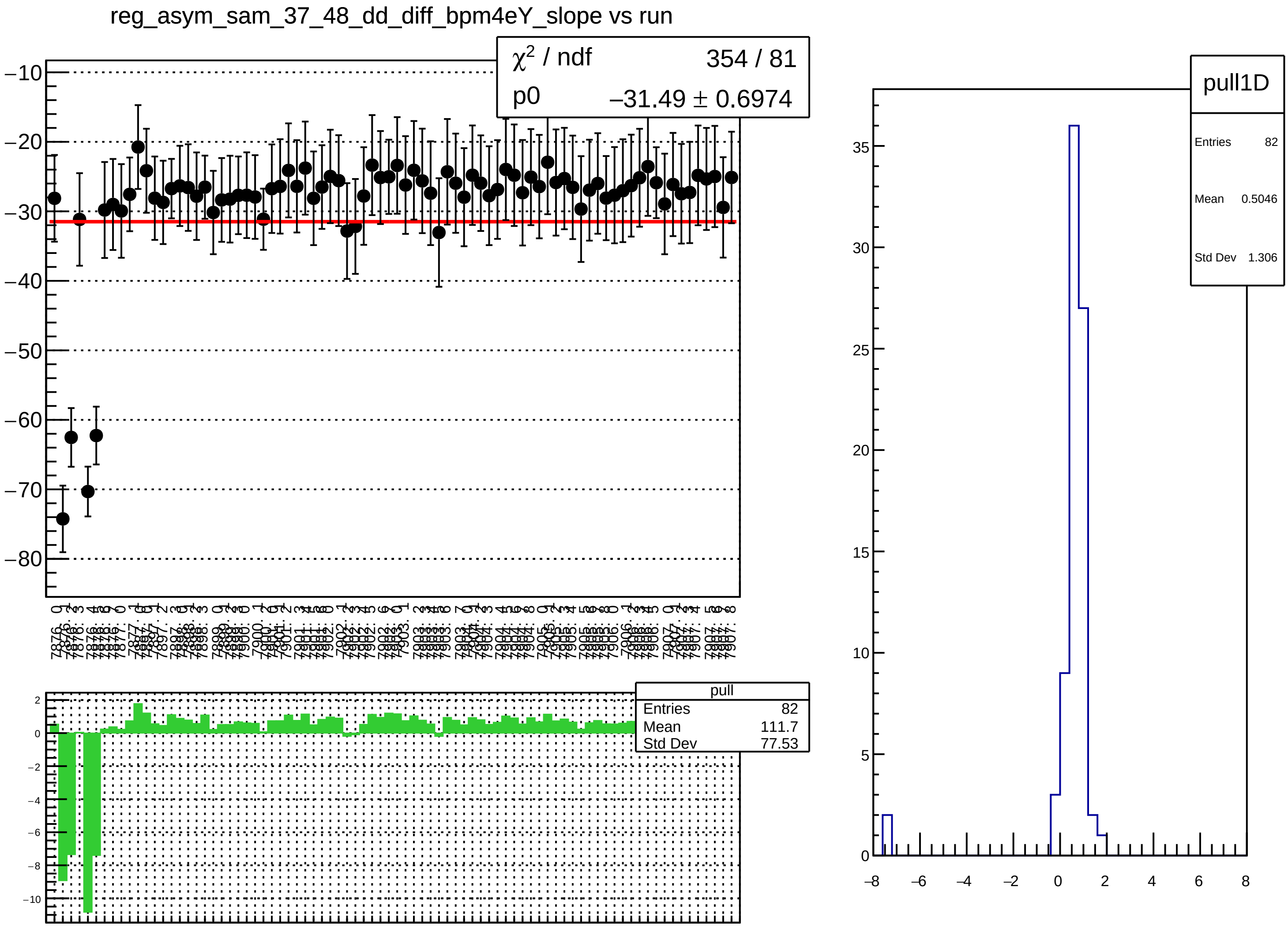
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 15.4 / 81
p0 −1.11 ± 0.5521
pull
Entries 82
Mean 1261
Std Dev 1219
pull1D
Entries 82
Mean −0.004413
Std Dev 0.4334



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / 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

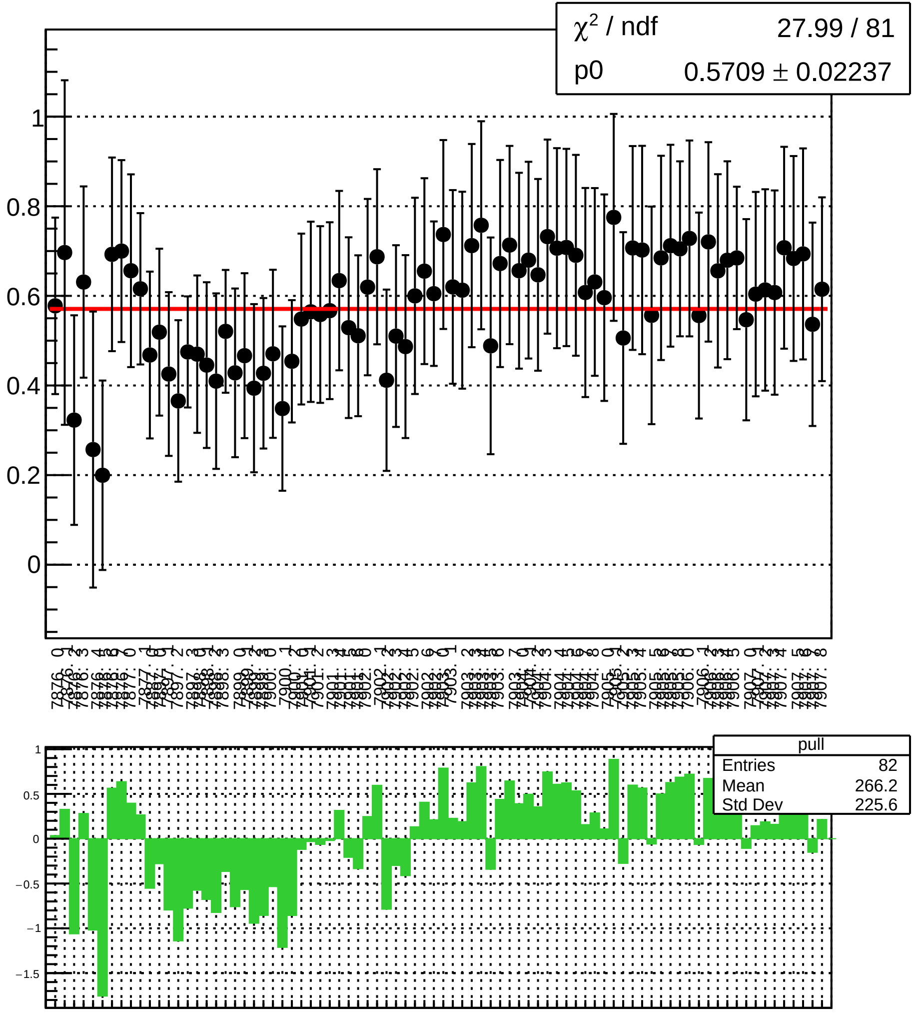


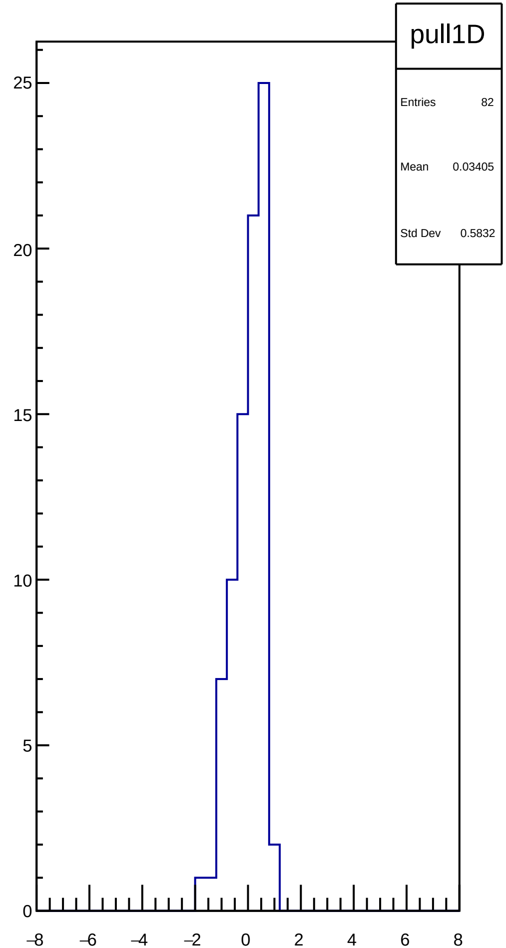
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 22.56 / 81
p0 14.6 ± 0.4525
pull
Entries 82
Mean 7139
Std Dev 7095
pull1D
Entries 82
Mean 0.00104
Std Dev 0.5245

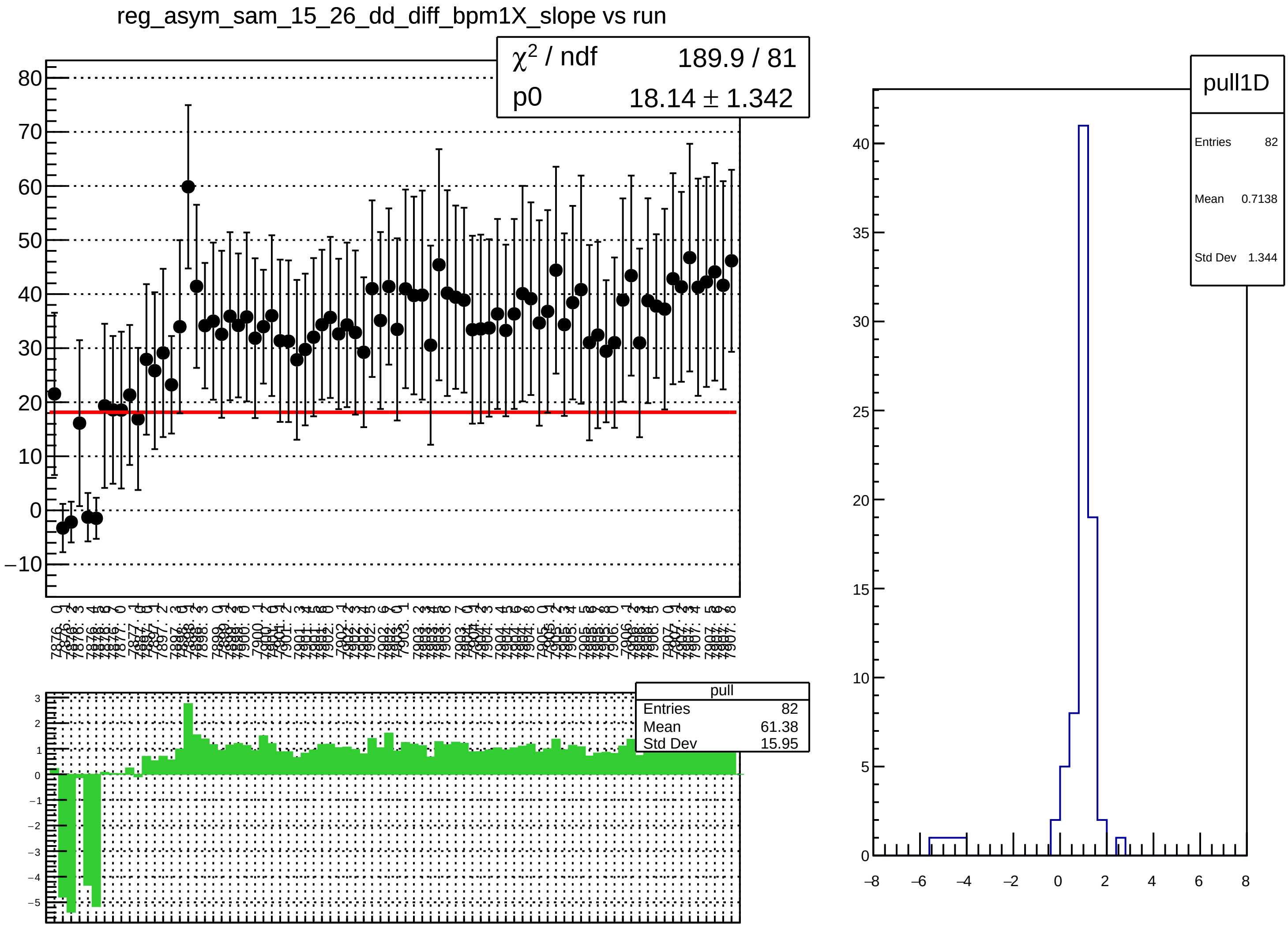


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 354 / 81
p0 −31.49 ± 0.6974
pull
Entries 82
Mean 111.7
Std Dev 77.53
pull1D
Entries 82
Mean 0.5046
Std Dev 1.306

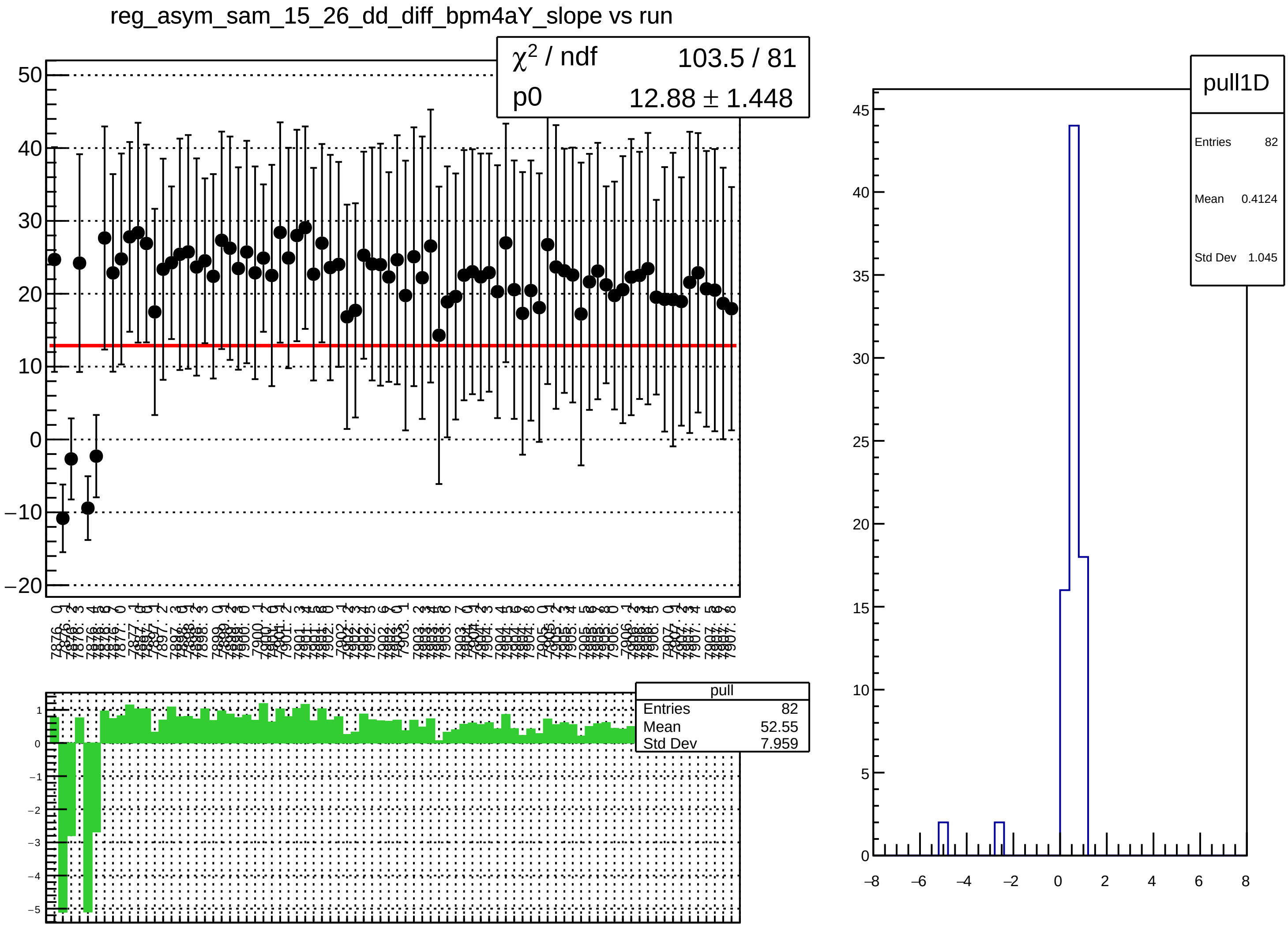
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run



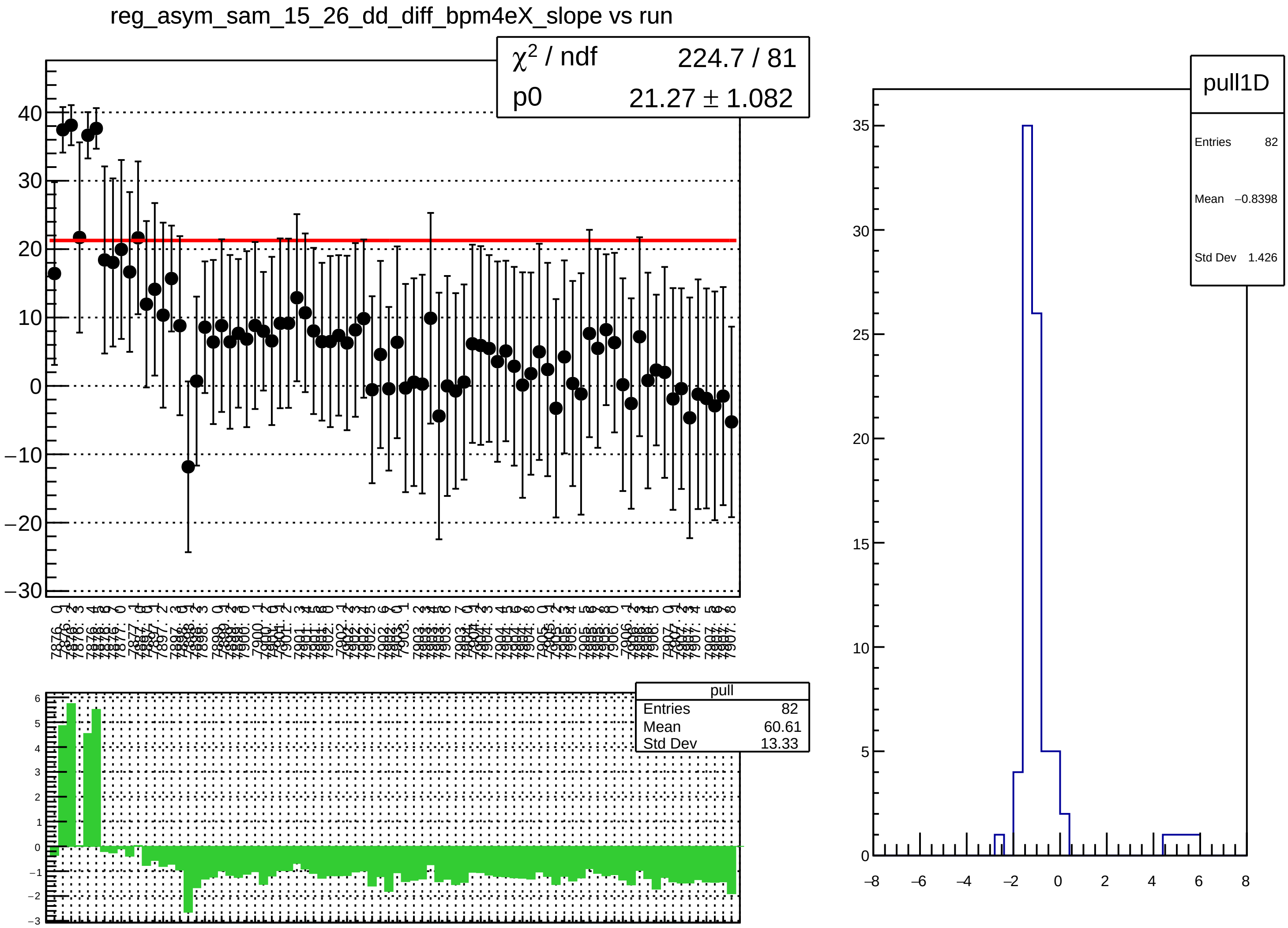


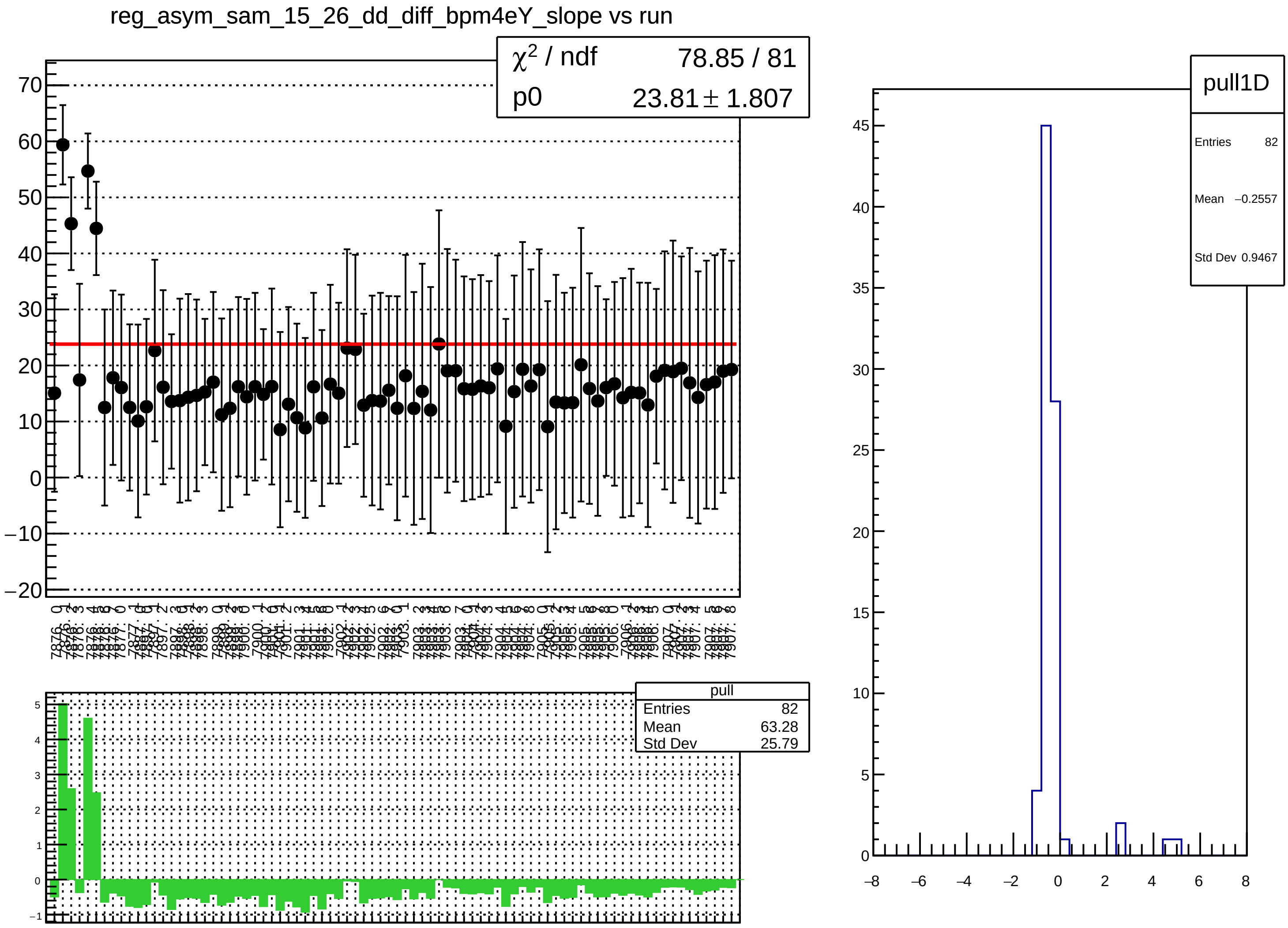


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 189.9 / 81
p0 18.14 ± 1.342
pull
Entries 82
Mean 61.38
Std Dev 15.95
pull1D
Entries 82
Mean 0.7138
Std Dev 1.344

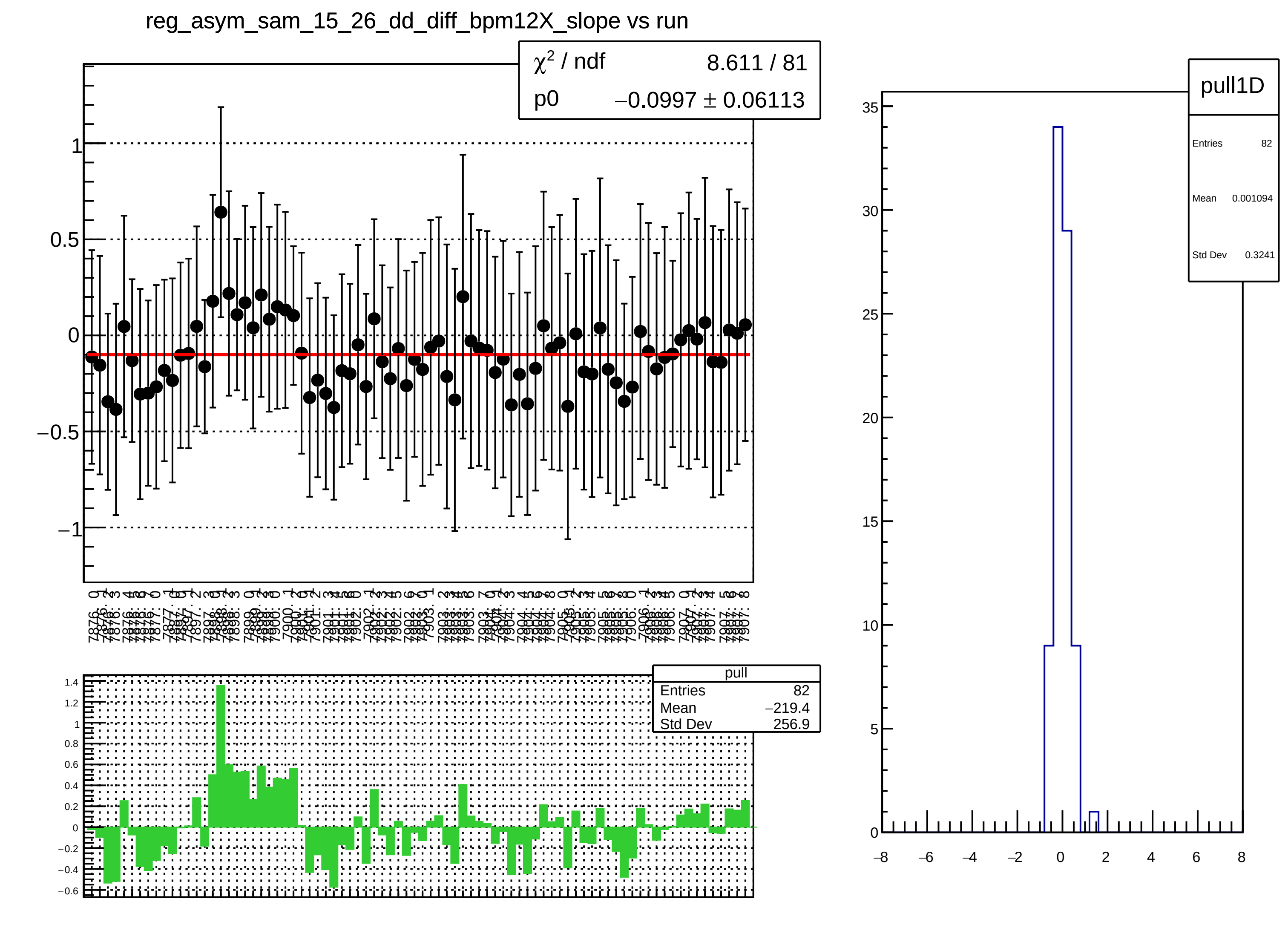


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 103.5 / 81
p0 12.88 ± 1.448
pull
Entries 82
Mean 52.55
Std Dev 7.959
pull1D
Entries 82
Mean 0.4124
Std Dev 1.045

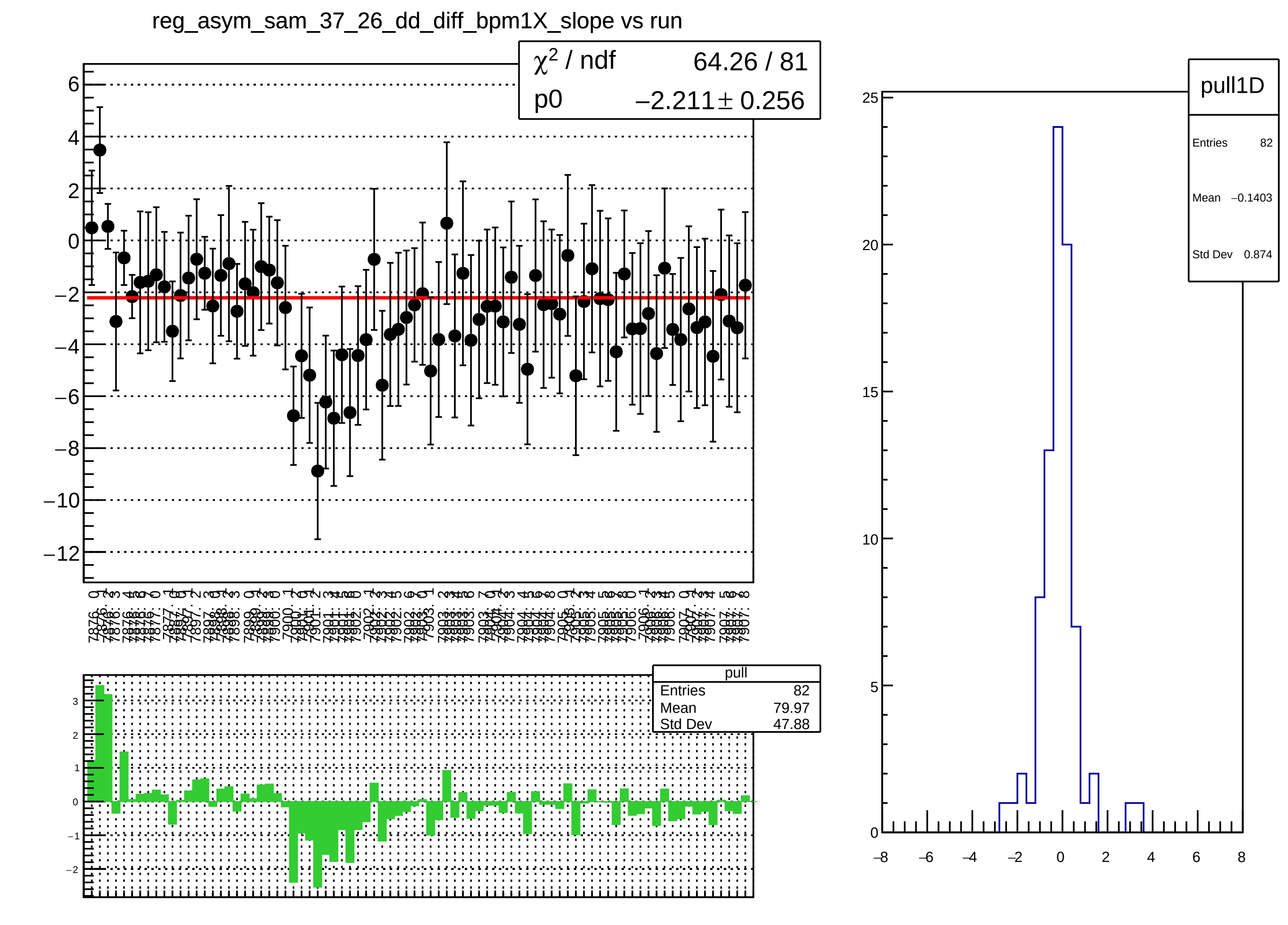

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 224.7 / 81
p0 21.27 ± 1.082
pull
Entries 82
Mean 60.61
Std Dev 13.33
pull1D
Entries 82
Mean −0.8398
Std Dev 1.426



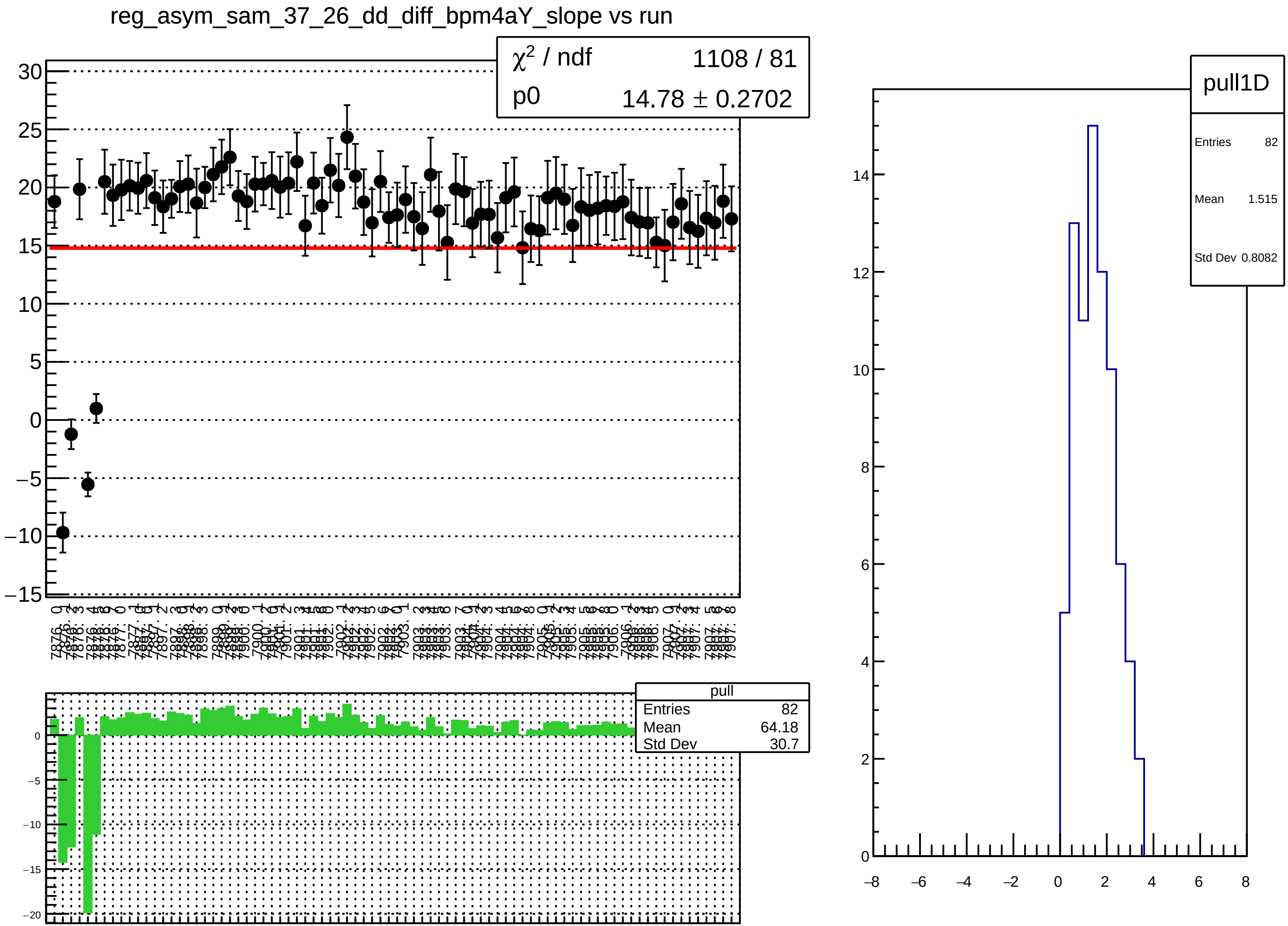
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 78.85 / 81
p0 23.81 ± 1.807
pull
Entries 82
Mean 63.28
Std Dev 25.79
pull1D
Entries 82
Mean −0.2557
Std Dev 0.9467



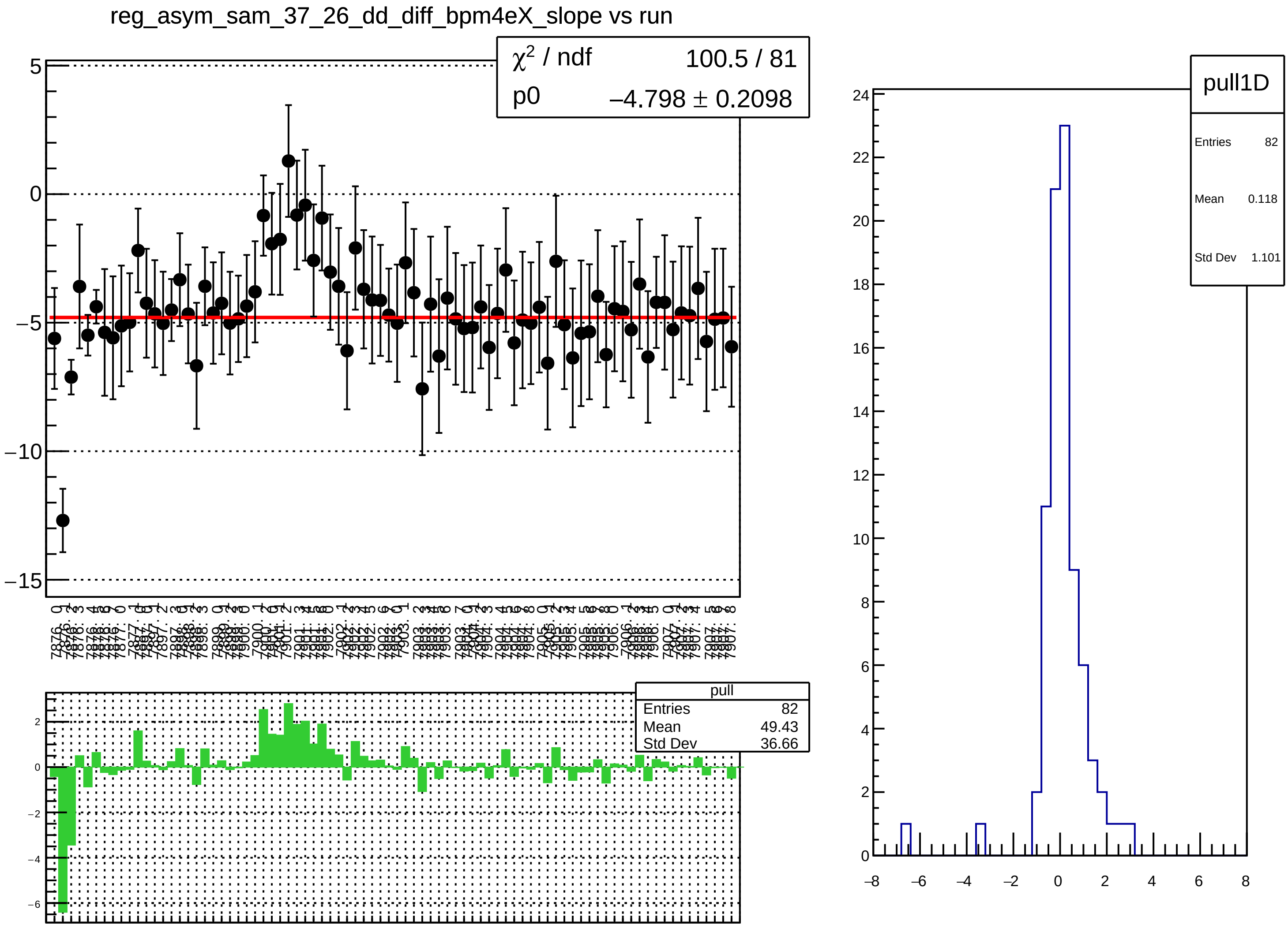
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.611 / 81
p0 −0.0997 ± 0.06113
pull
Entries 82
Mean −219.4
Std Dev 256.9
pull1D
Entries 82
Mean 0.001094
Std Dev 0.3241



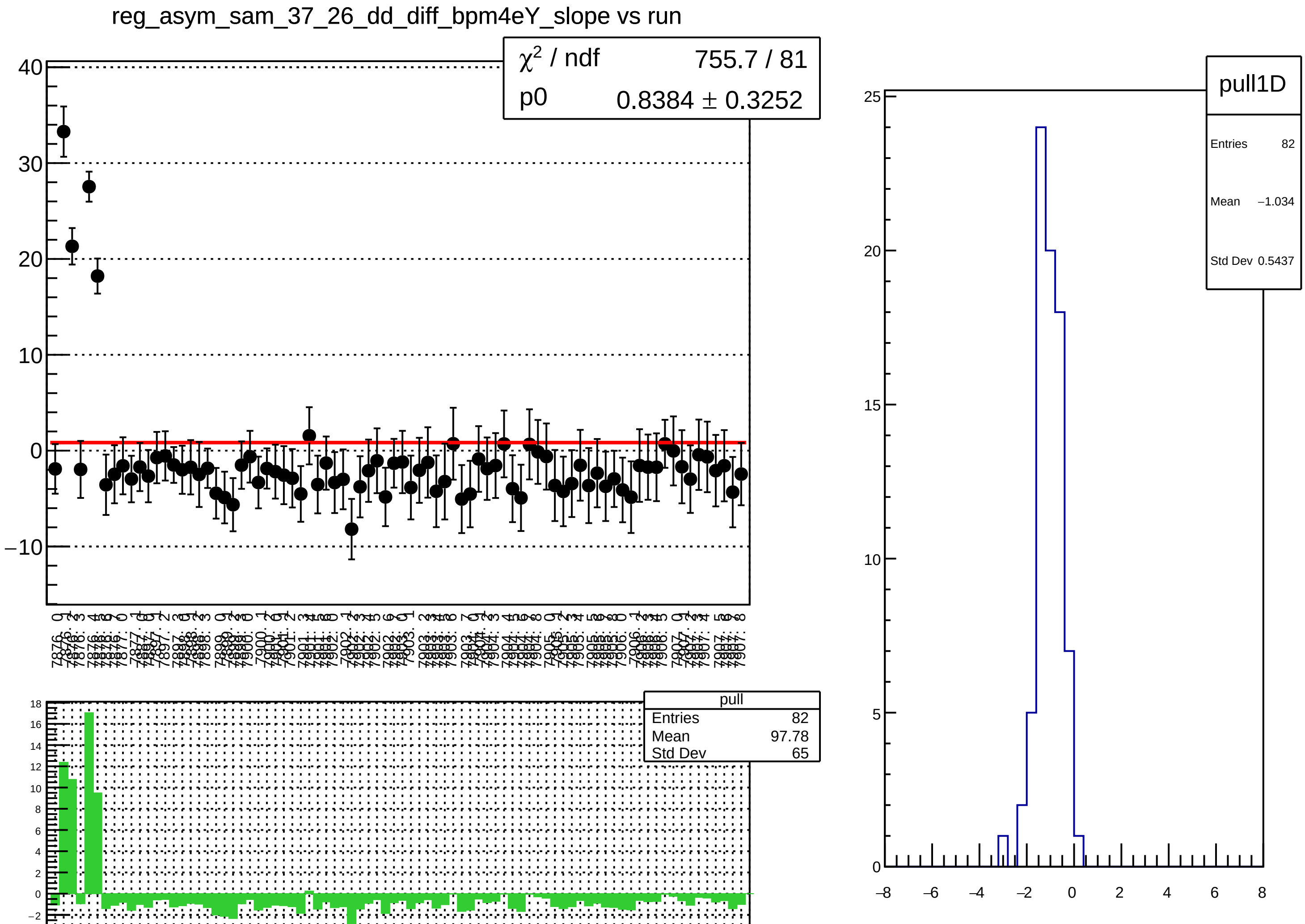
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 64.26 / 81
p0 −2.211 ± 0.256
pull
Entries 82
Mean 79.97
Std Dev 47.88
pull1D
Entries 82
Mean −0.1403
Std Dev 0.874



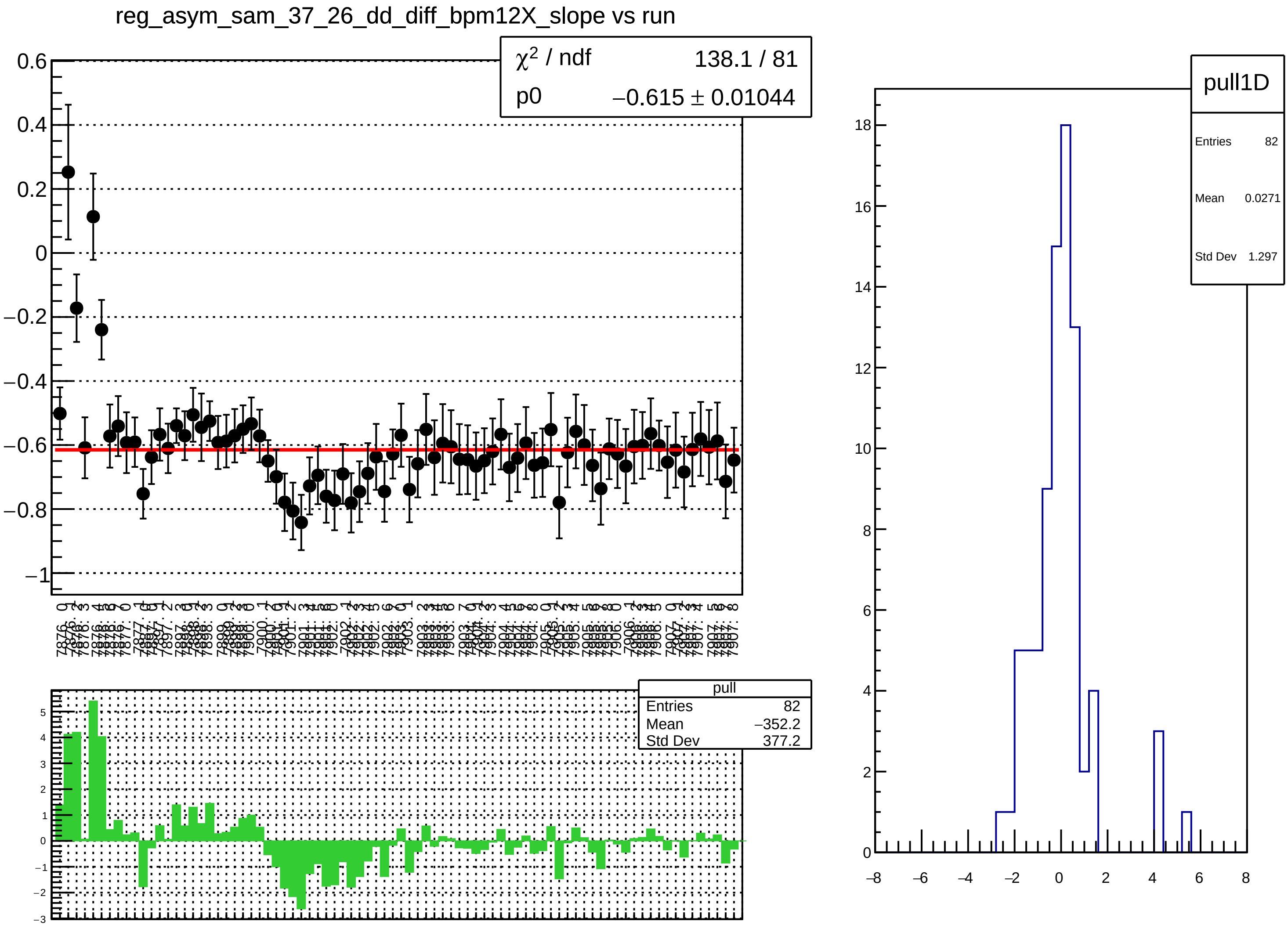
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1108 / 81
p0 14.78 ± 0.2702
pull
Entries 82
Mean 64.18
Std Dev 30.7
pull1D
Entries 82
Mean 1.515
Std Dev 0.8082



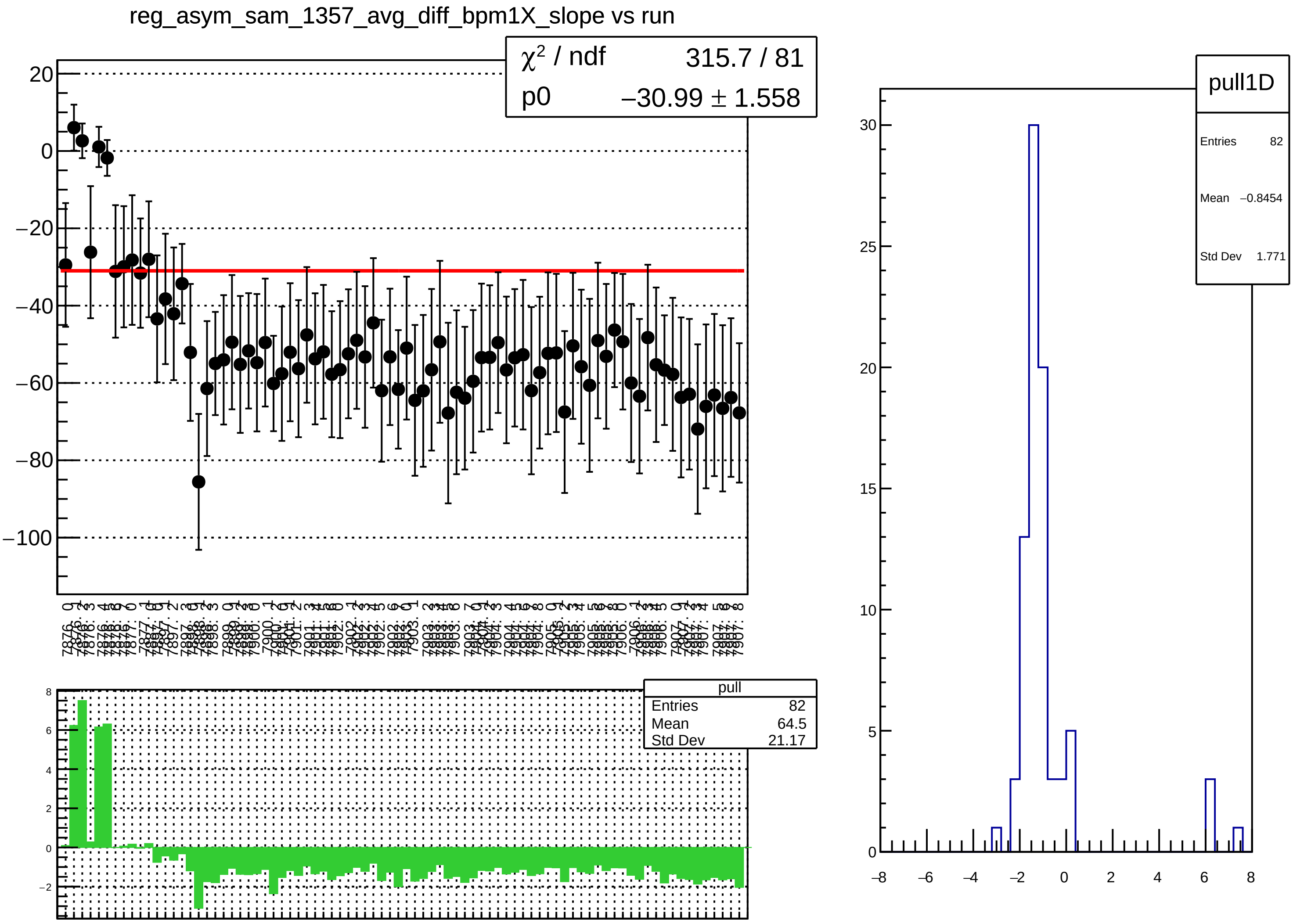
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 100.5 / 81
p0 −4.798 ± 0.2098
pull
Entries 82
Mean 49.43
Std Dev 36.66
pull1D
Entries 82
Mean 0.118
Std Dev 1.101



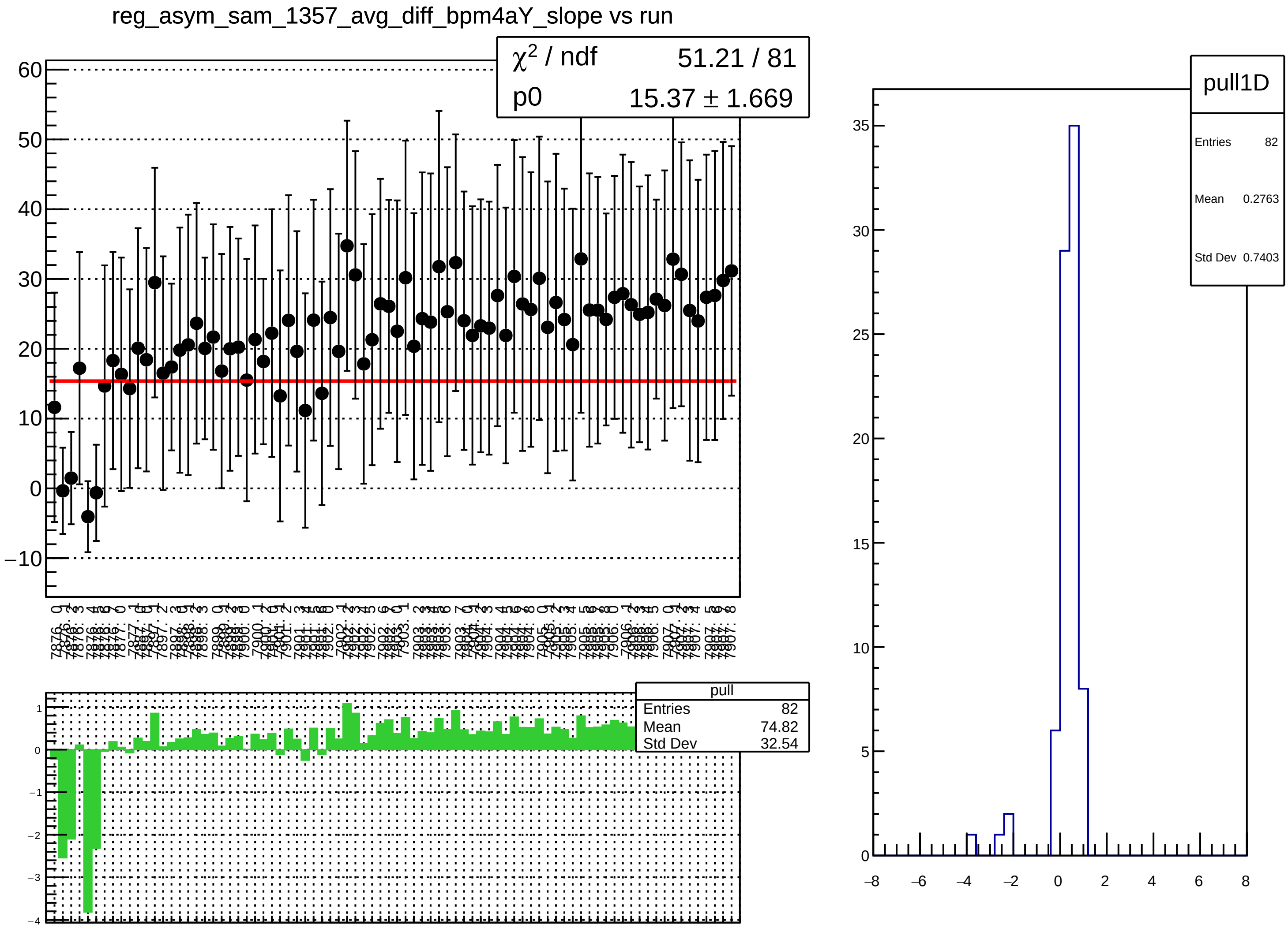
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 755.7 / 81
p0 0.8384 ± 0.3252
pull
Entries 82
Mean 97.78
Std Dev 65
pull1D
Entries 82
Mean −1.034
Std Dev 0.5437



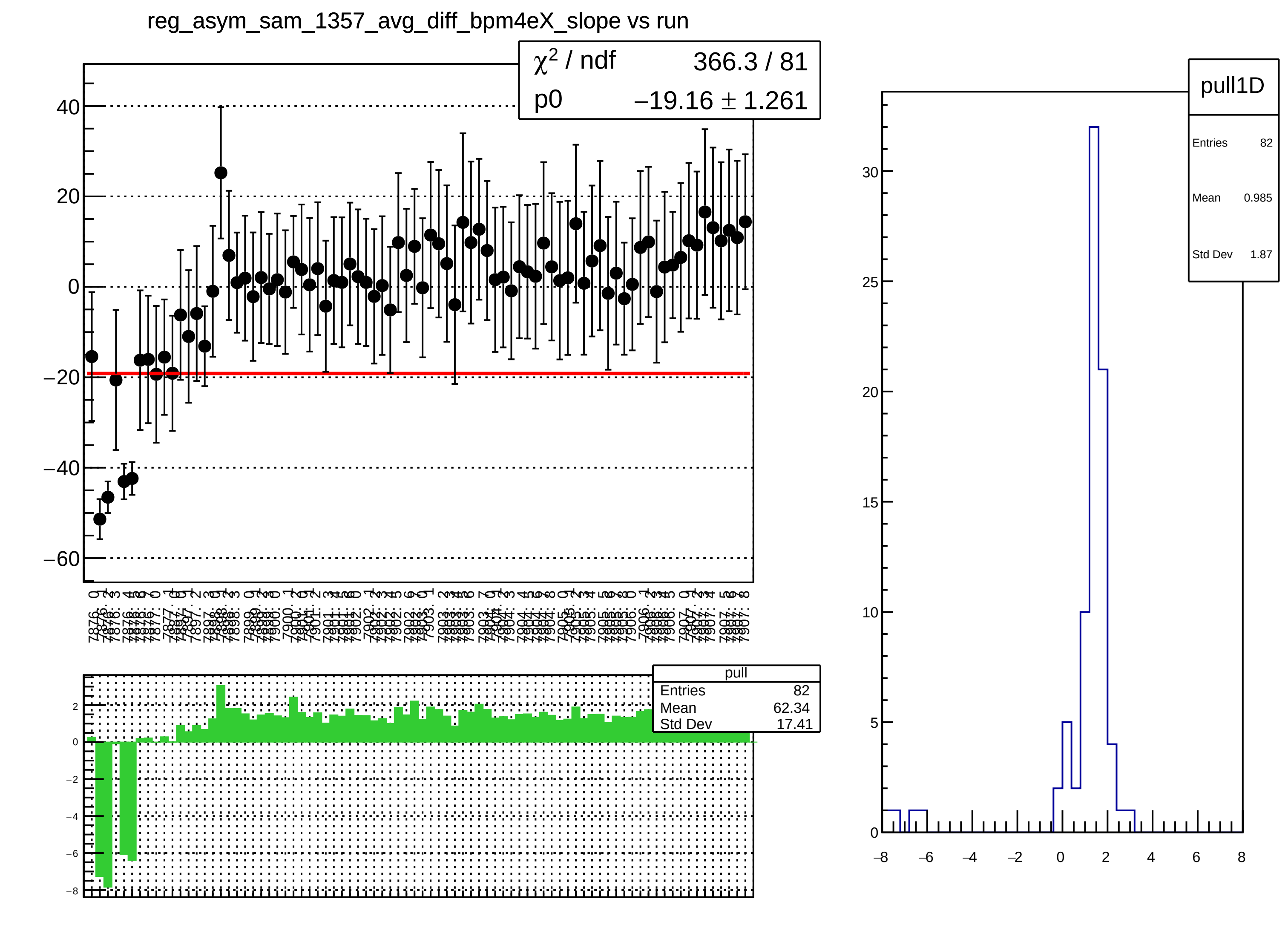
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 138.1 / 81
p0 −0.615 ± 0.01044
pull
Entries 82
Mean −352.2
Std Dev 377.2
pull1D
Entries 82
Mean 0.0271
Std Dev 1.297



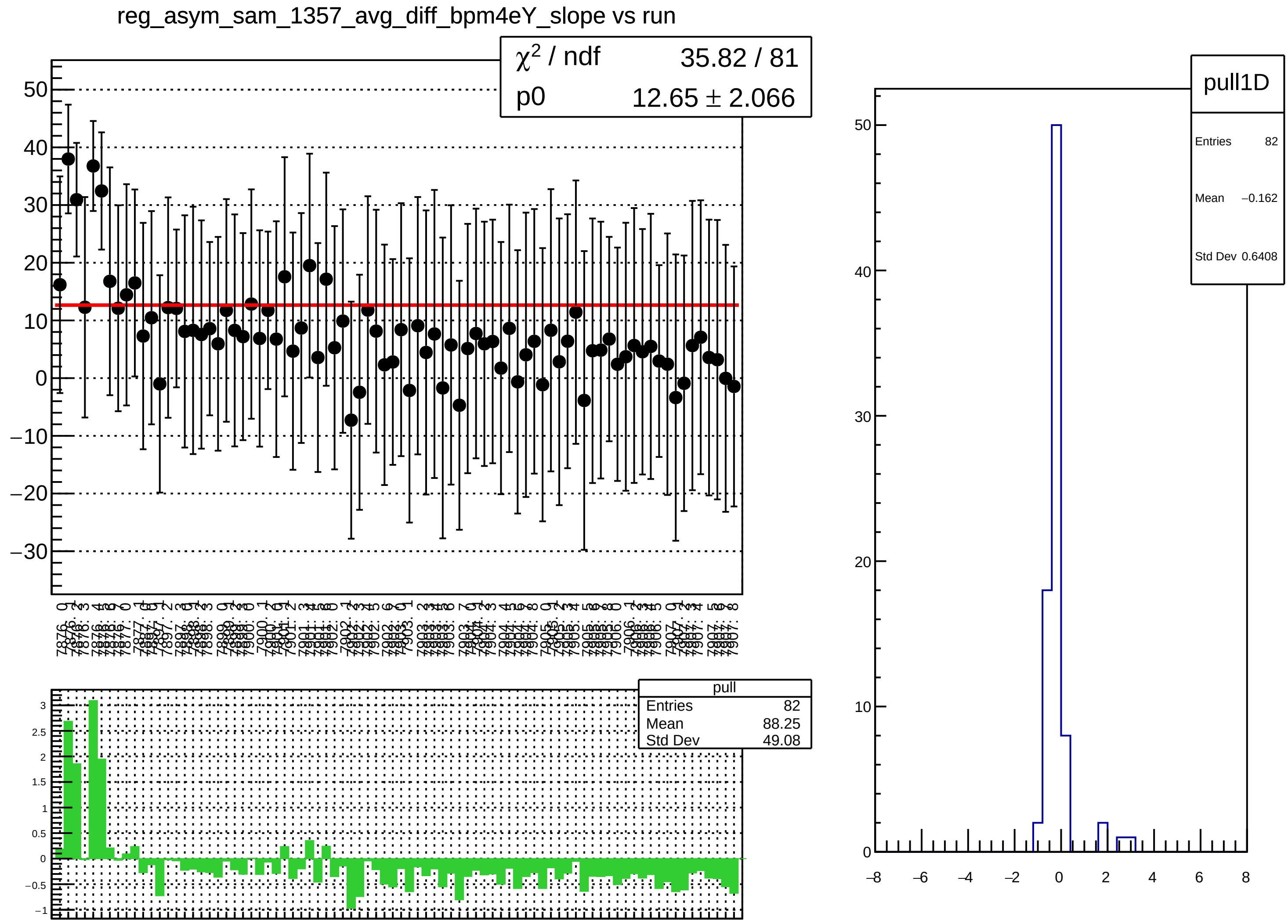
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 315.7 / 81
p0 −30.99 ± 1.558
pull
Entries 82
Mean 64.5
Std Dev 21.17
pull1D
Entries 82
Mean −0.8454
Std Dev 1.771



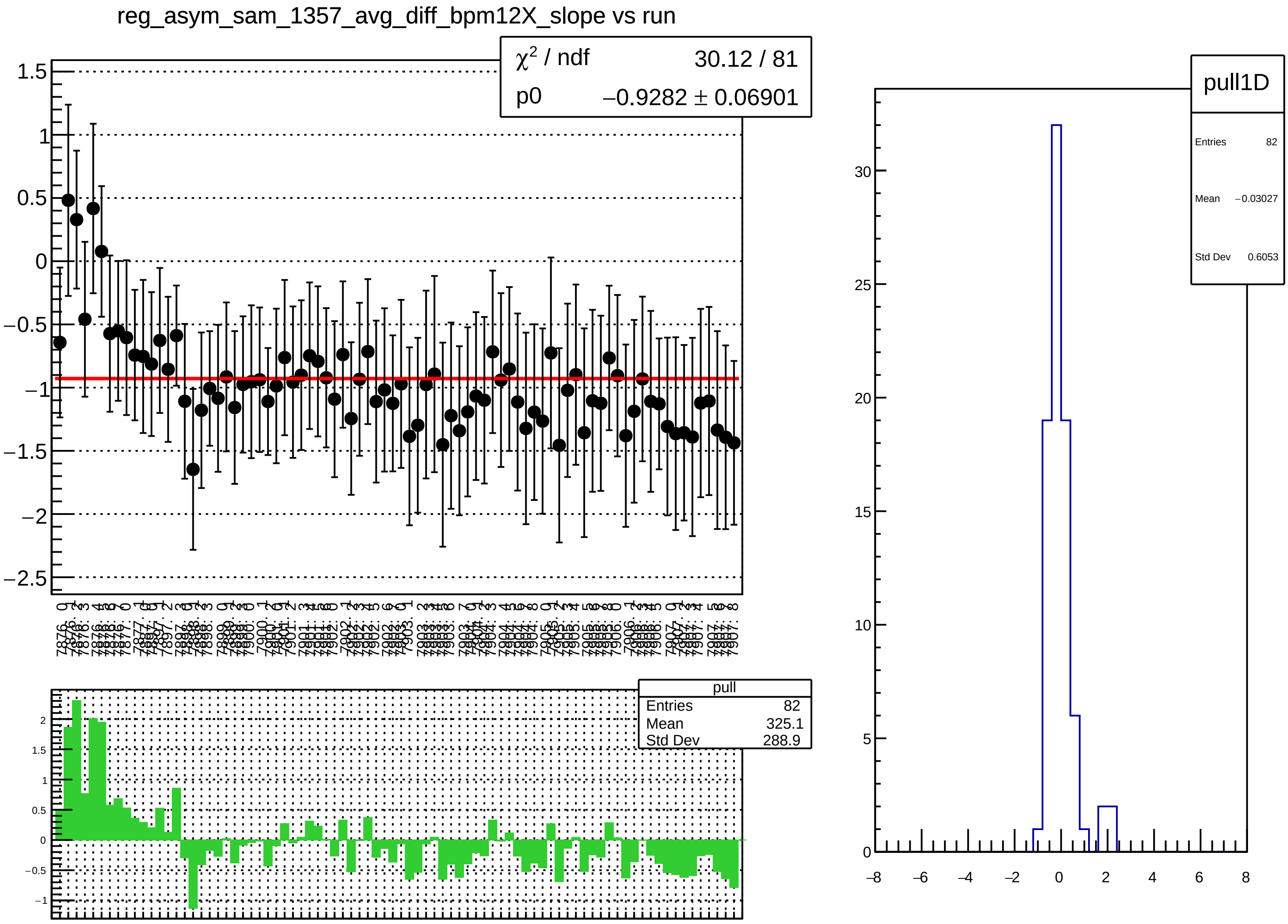
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 51.21 / 81
p0 15.37 ± 1.669
pull
Entries 82
Mean 74.82
Std Dev 32.54
pull1D
Entries 82
Mean 0.2763
Std Dev 0.7403

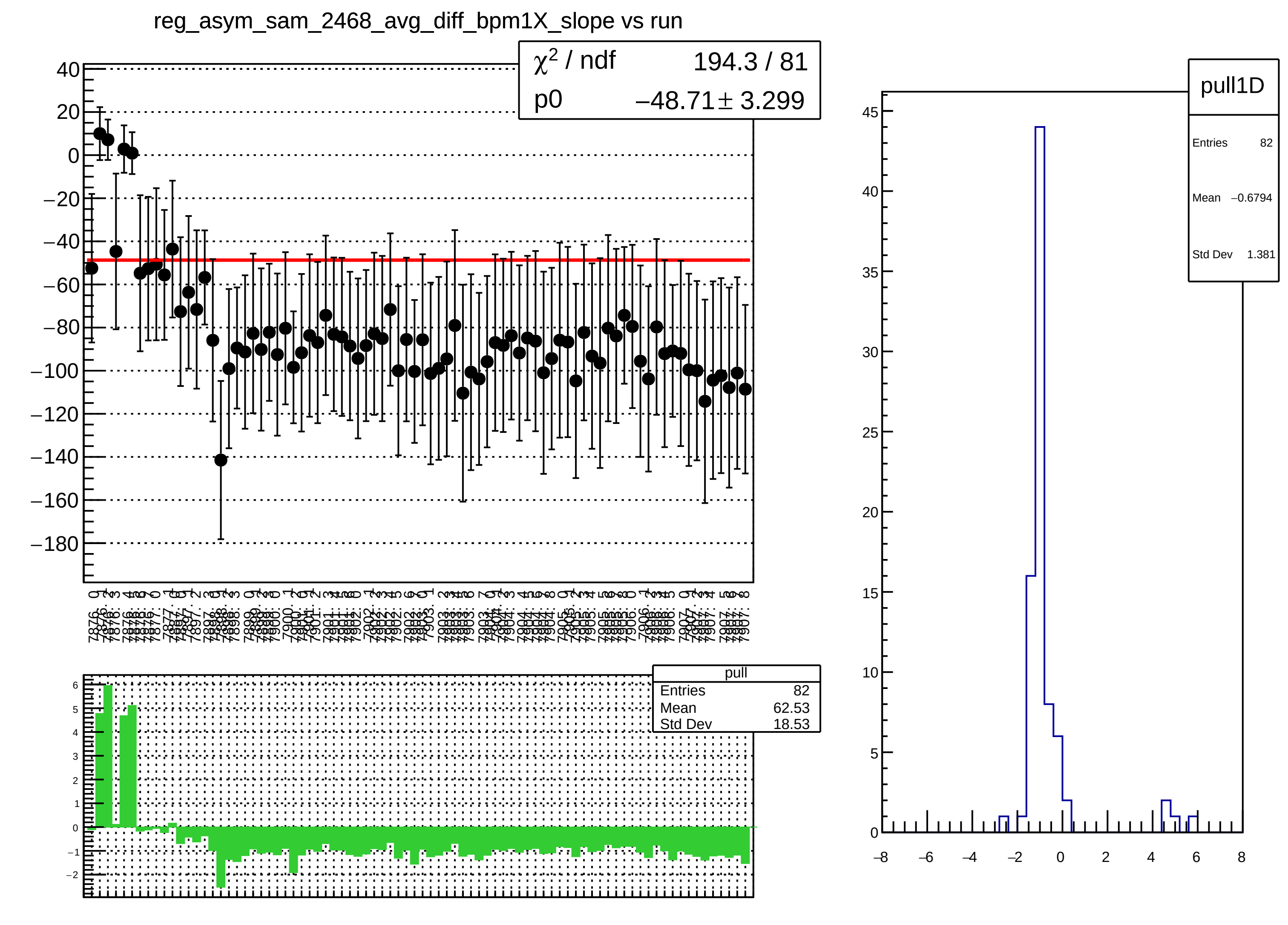


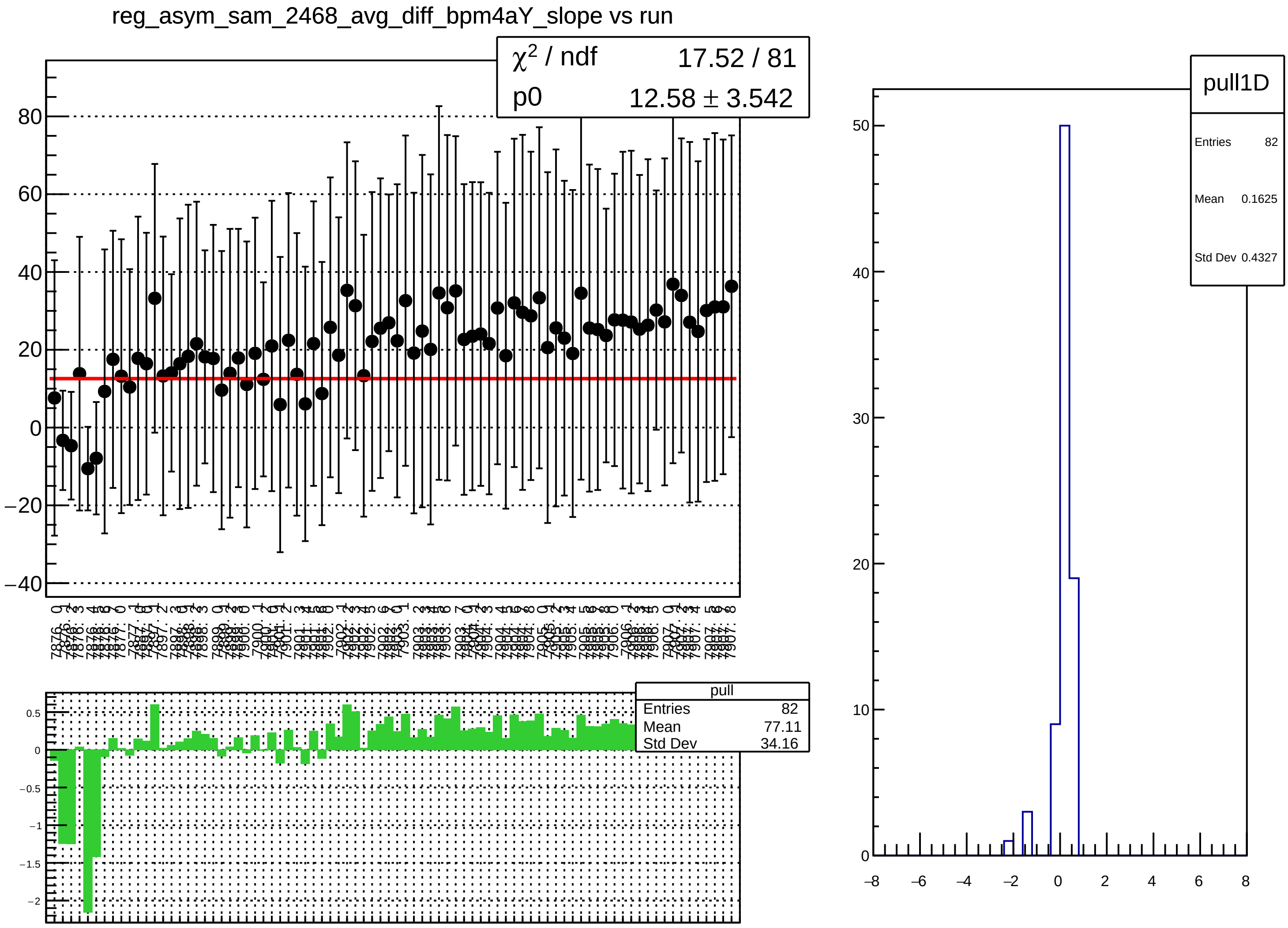
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 366.3 / 81
p0 −19.16 ± 1.261
pull
Entries 82
Mean 62.34
Std Dev 17.41
pull1D
Entries 82
Mean 0.985
Std Dev 1.87



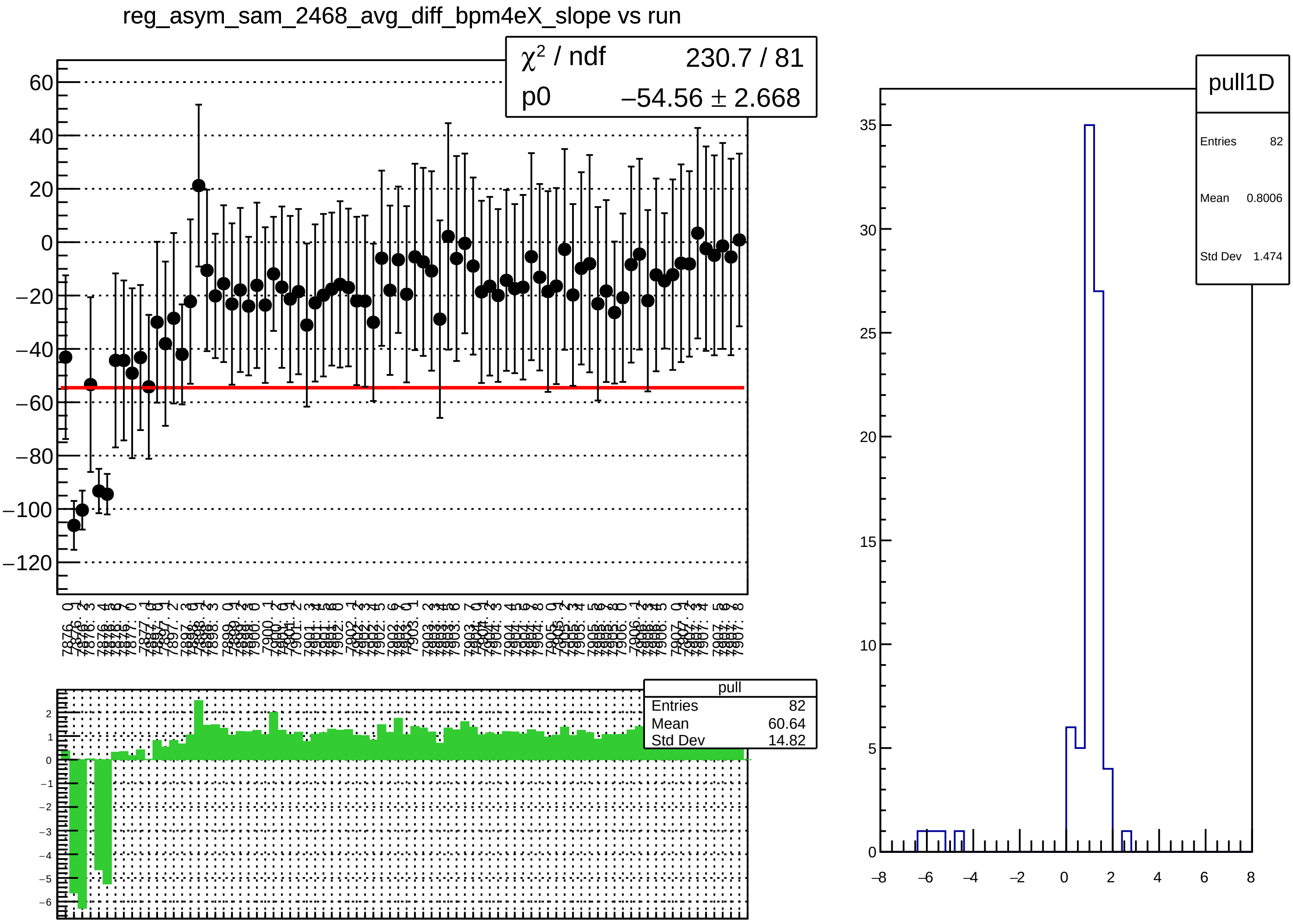
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.82 / 81
p0 12.65 ± 2.066
pull
Entries 82
Mean 88.25
Std Dev 49.08
pull1D
Entries 82
Mean −0.162
Std Dev 0.6408

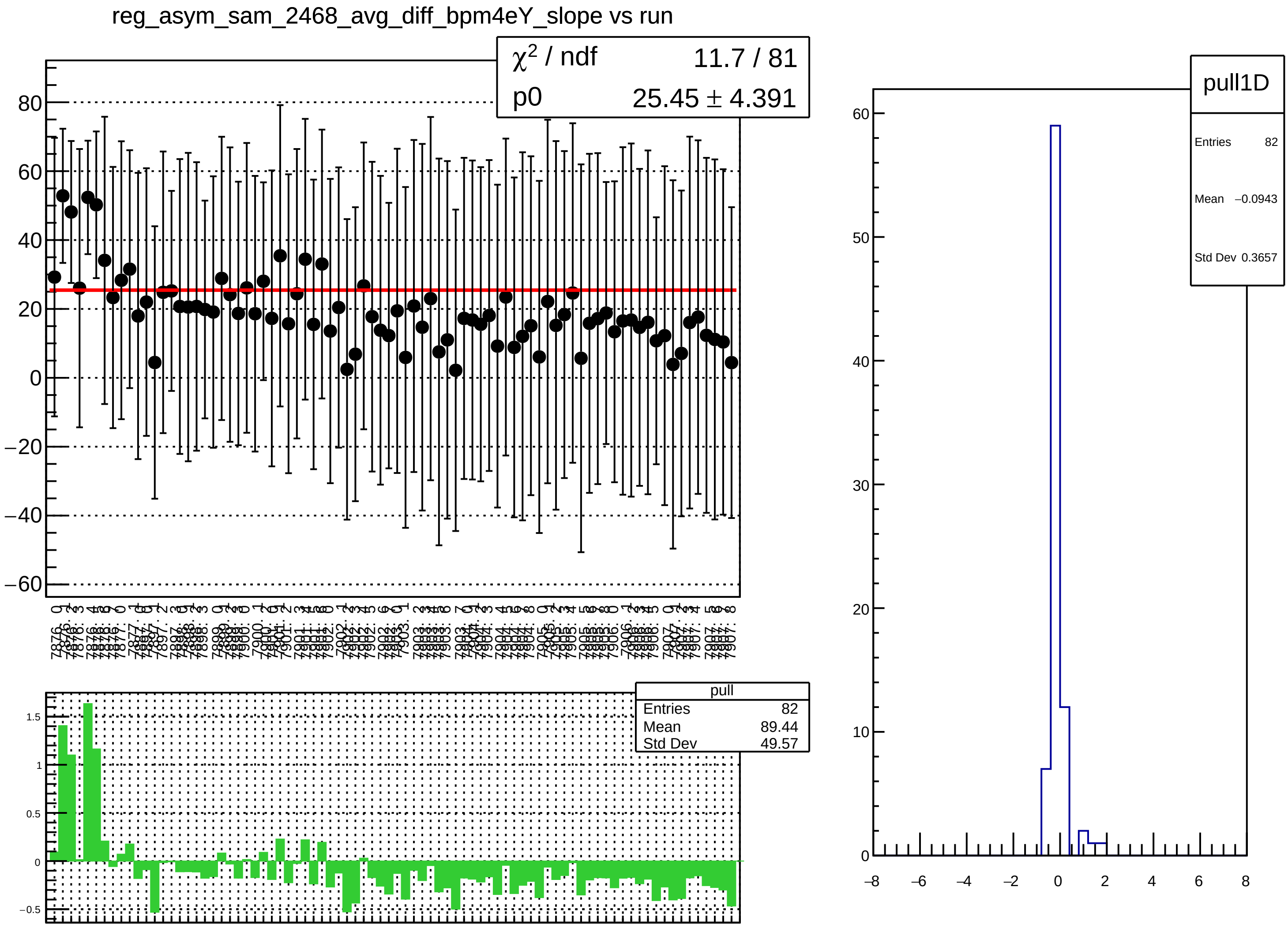

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 30.12 / 81
p0 −0.9282 ± 0.06901
pull
Entries 82
Mean 325.1
Std Dev 288.9
pull1D
Entries 82
Mean −0.03027
Std Dev 0.6053

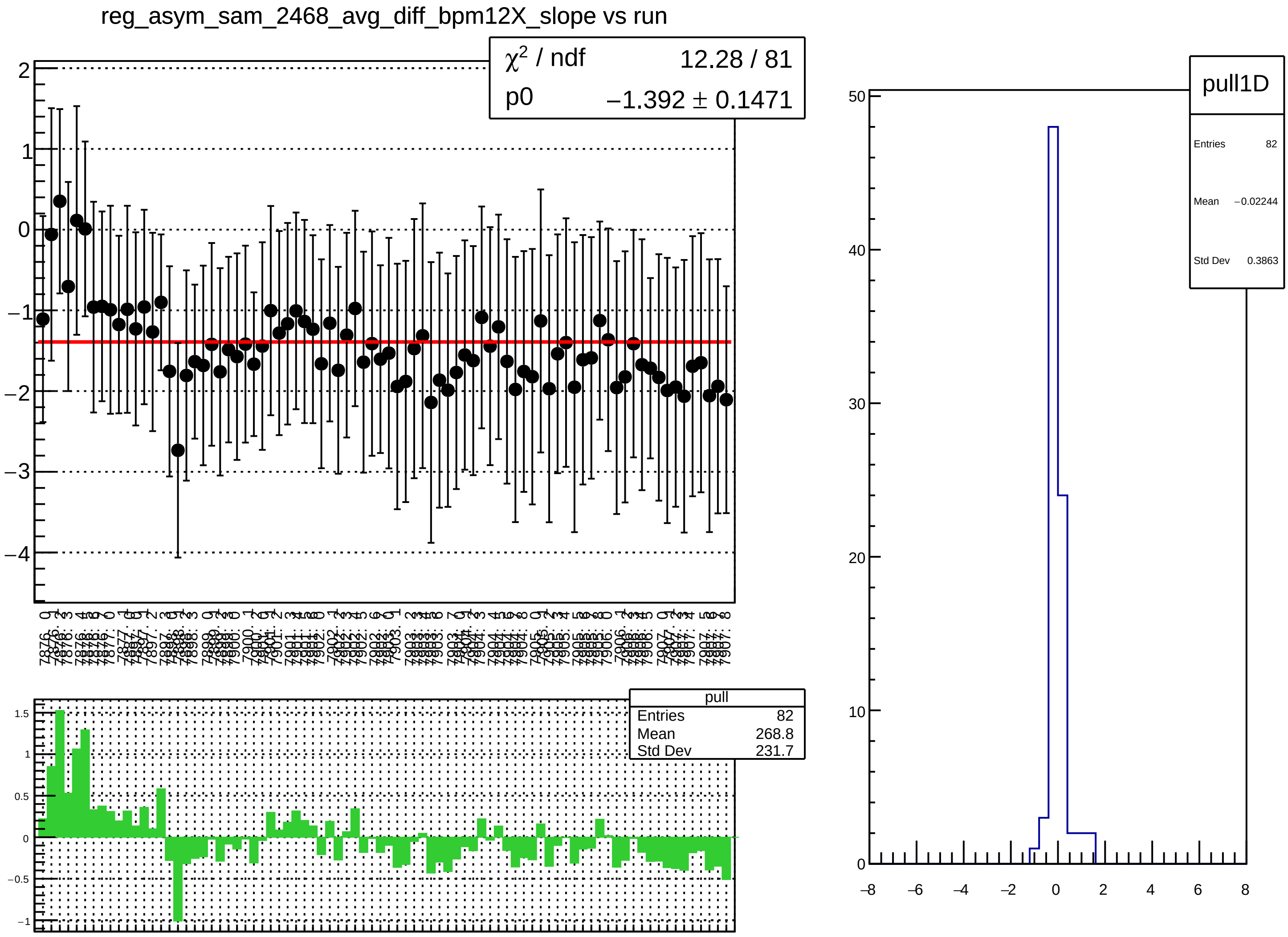

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 194.3 / 81
p0 −48.71 ± 3.299
pull
Entries 82
Mean 62.53
Std Dev 18.53
pull1D
Entries 82
Mean −0.6794
Std Dev 1.381



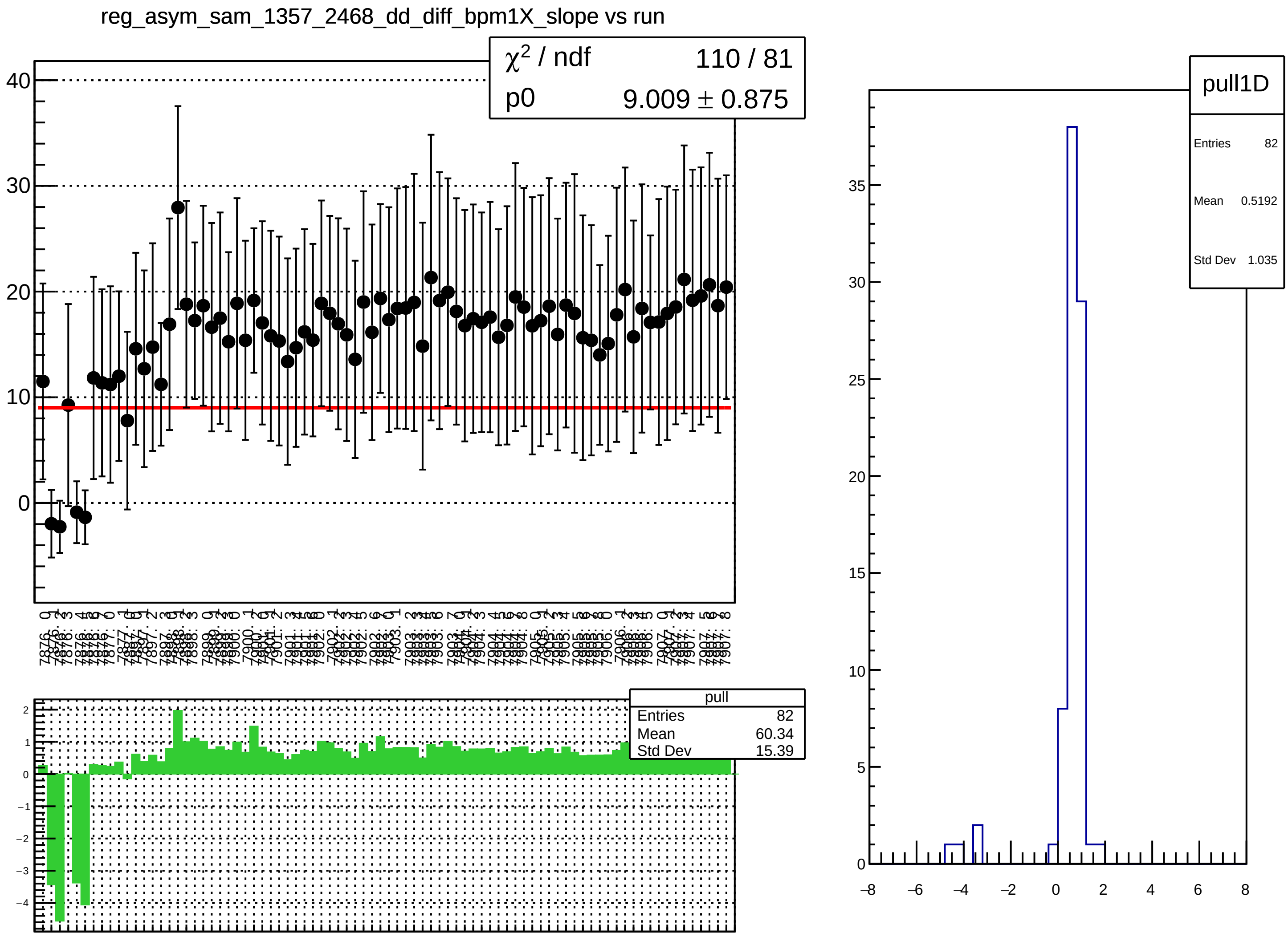
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 17.52 / 81
p0 12.58 ± 3.542
pull
Entries 82
Mean 77.11
Std Dev 34.16
pull1D
Entries 82
Mean 0.1625
Std Dev 0.4327

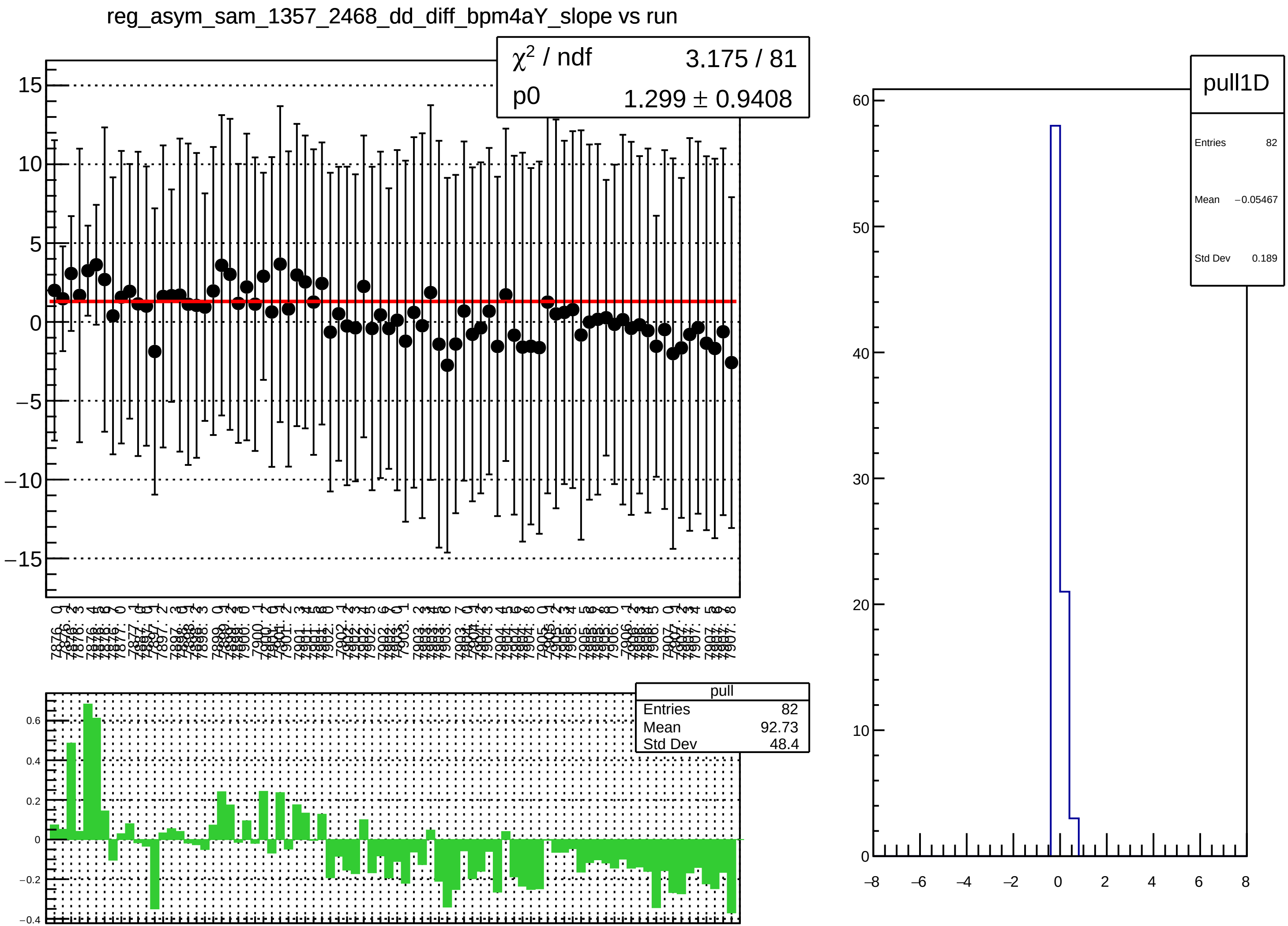

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ2 / ndf 230.7 / 81
p0 −54.56 ± 2.668
pull
Entries 82
Mean 60.64
Std Dev 14.82
pull1D
Entries 82
Mean 0.8006
Std Dev 1.474


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



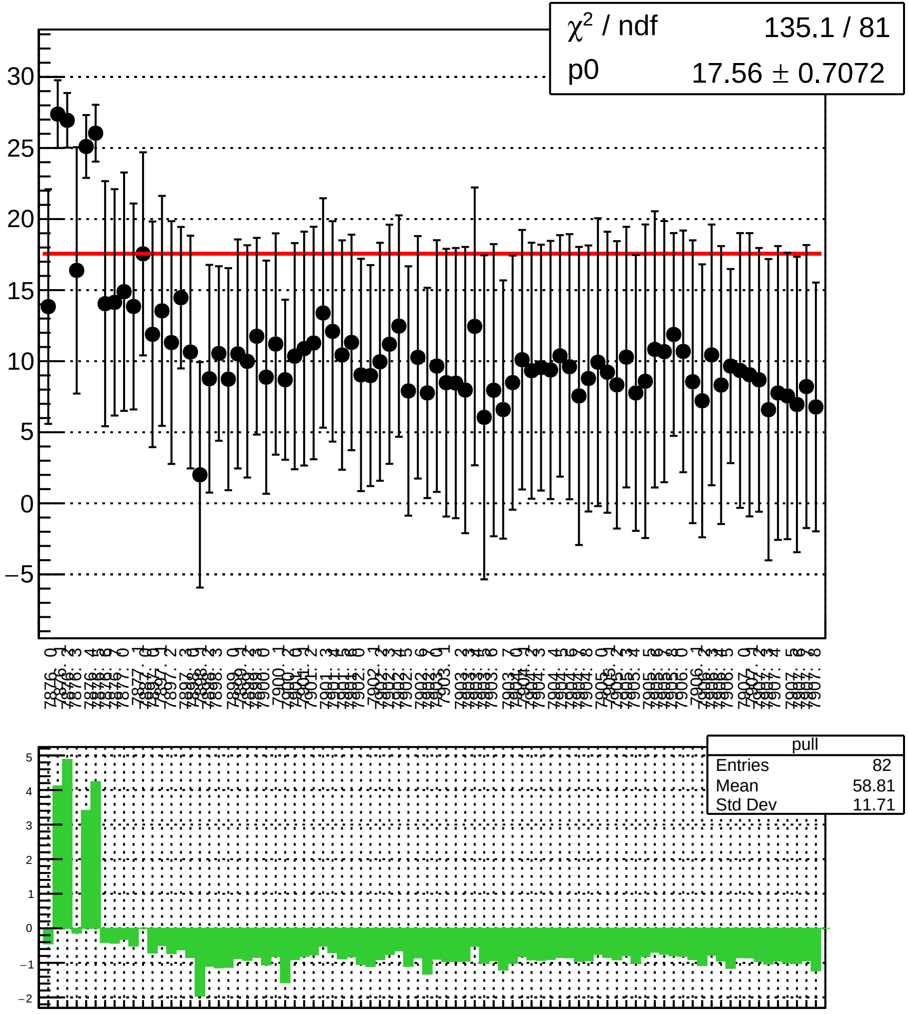
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ2 / ndf 12.28 / 81
p0 −1.392 ± 0.1471
pull
Entries 82
Mean 268.8
Std Dev 231.7
pull1D
Entries 82
Mean −0.02244
Std Dev 0.3863

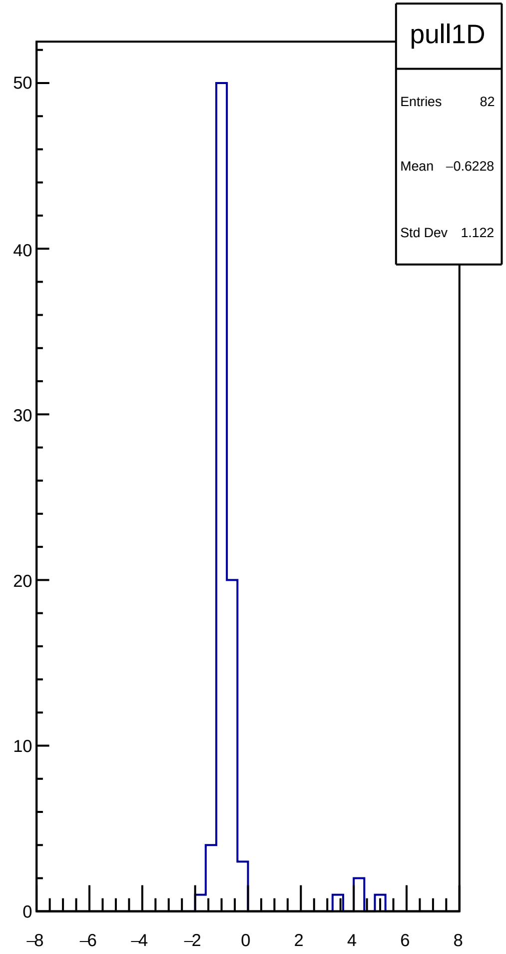

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 110 / 81
p0 9.009 ± 0.875
pull
Entries 82
Mean 60.34
Std Dev 15.39
pull1D
Entries 82
Mean 0.5192
Std Dev 1.035

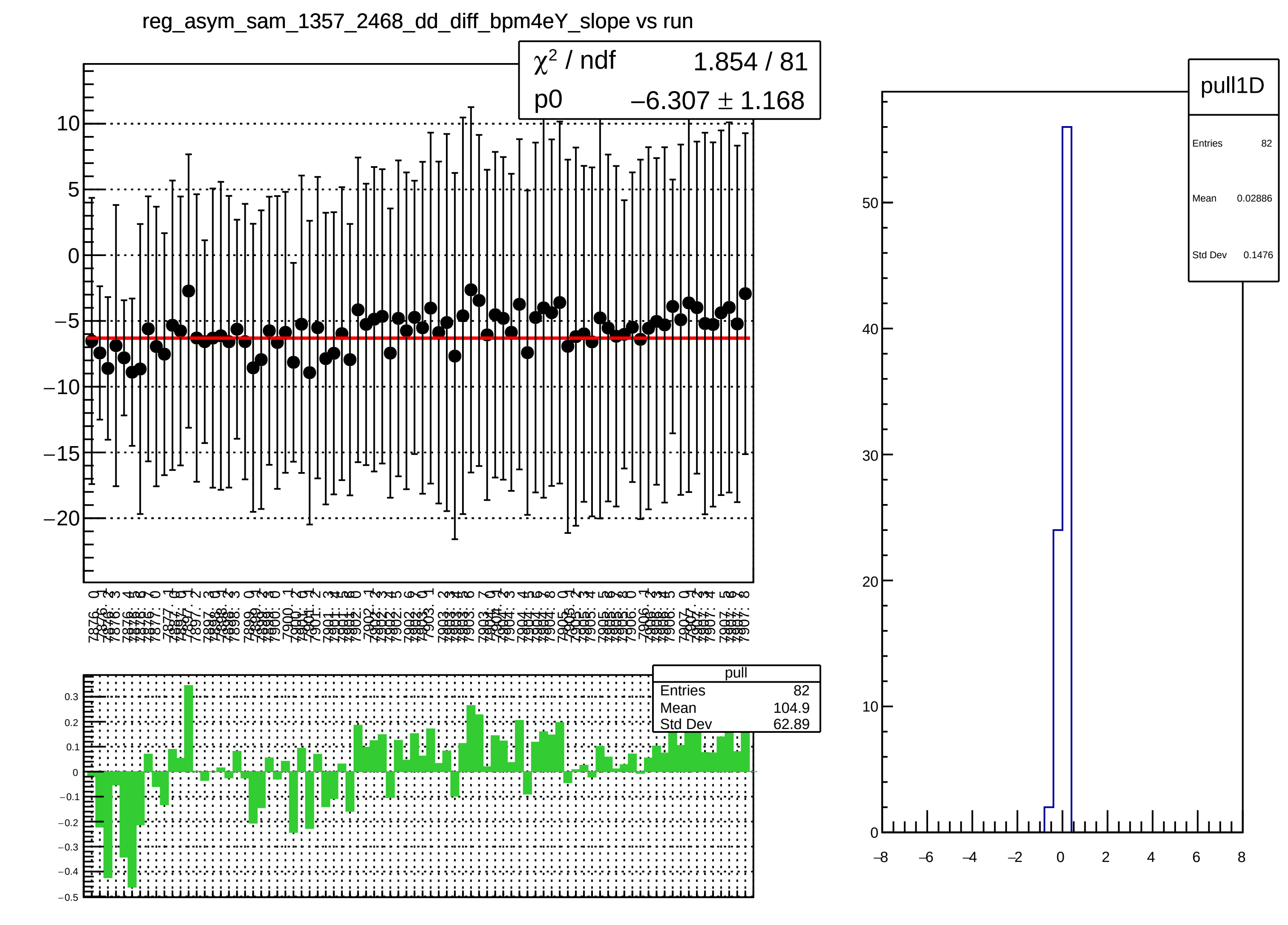


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.175 / 81
p0 1.299 ± 0.9408
pull
Entries 82
Mean 92.73
Std Dev 48.4
pull1D
Entries 82
Mean −0.05467
Std Dev 0.189

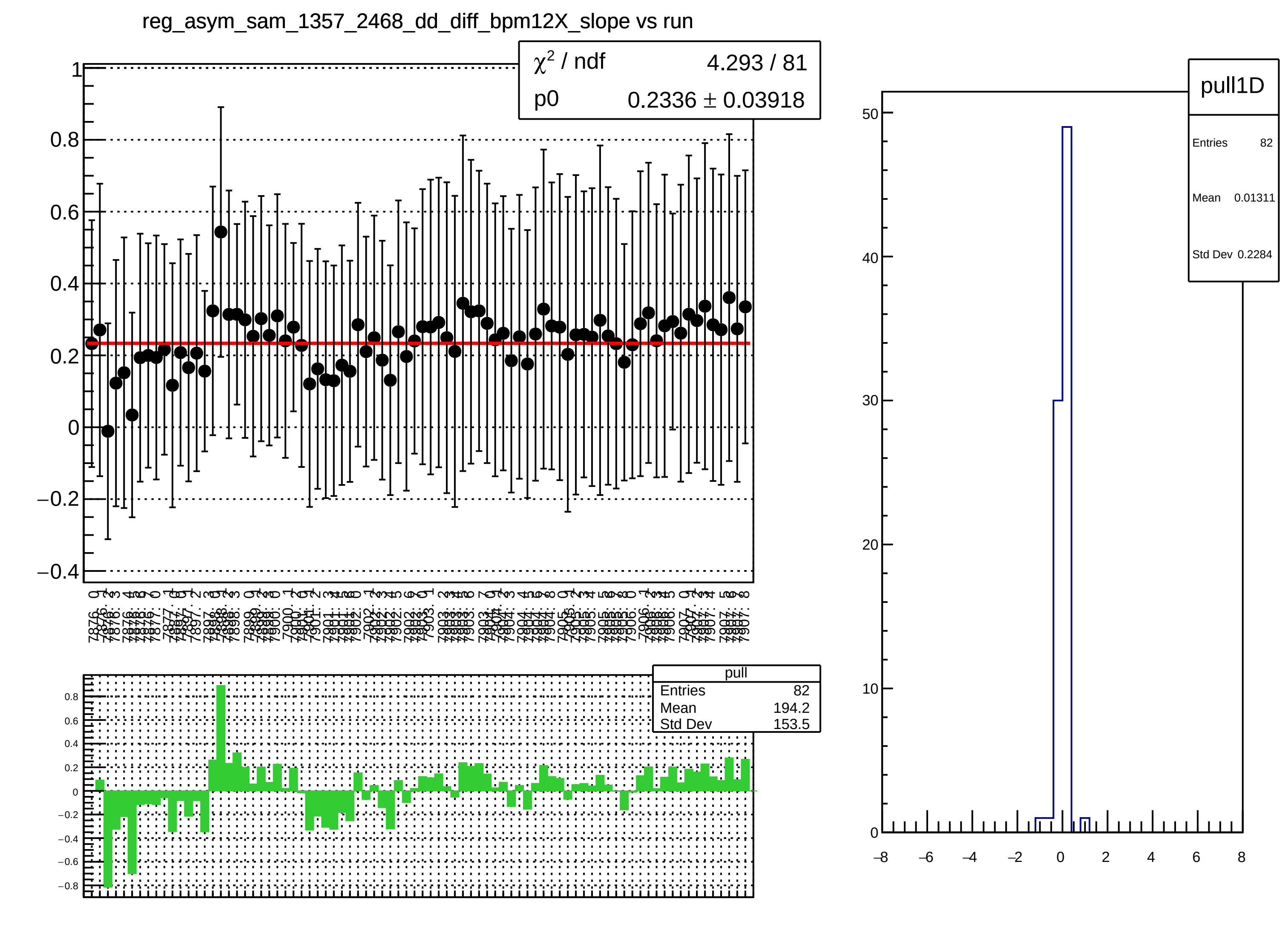
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run



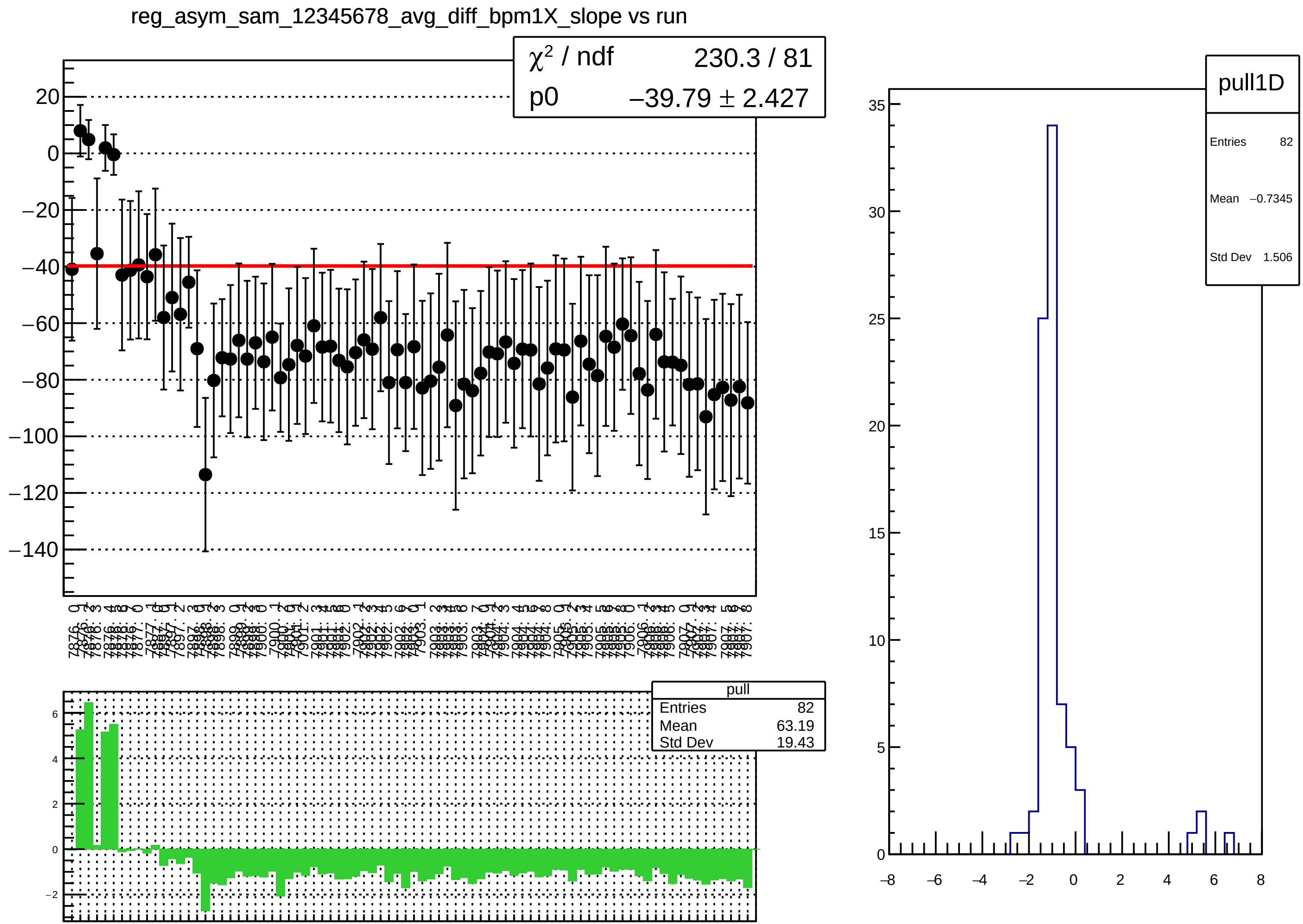




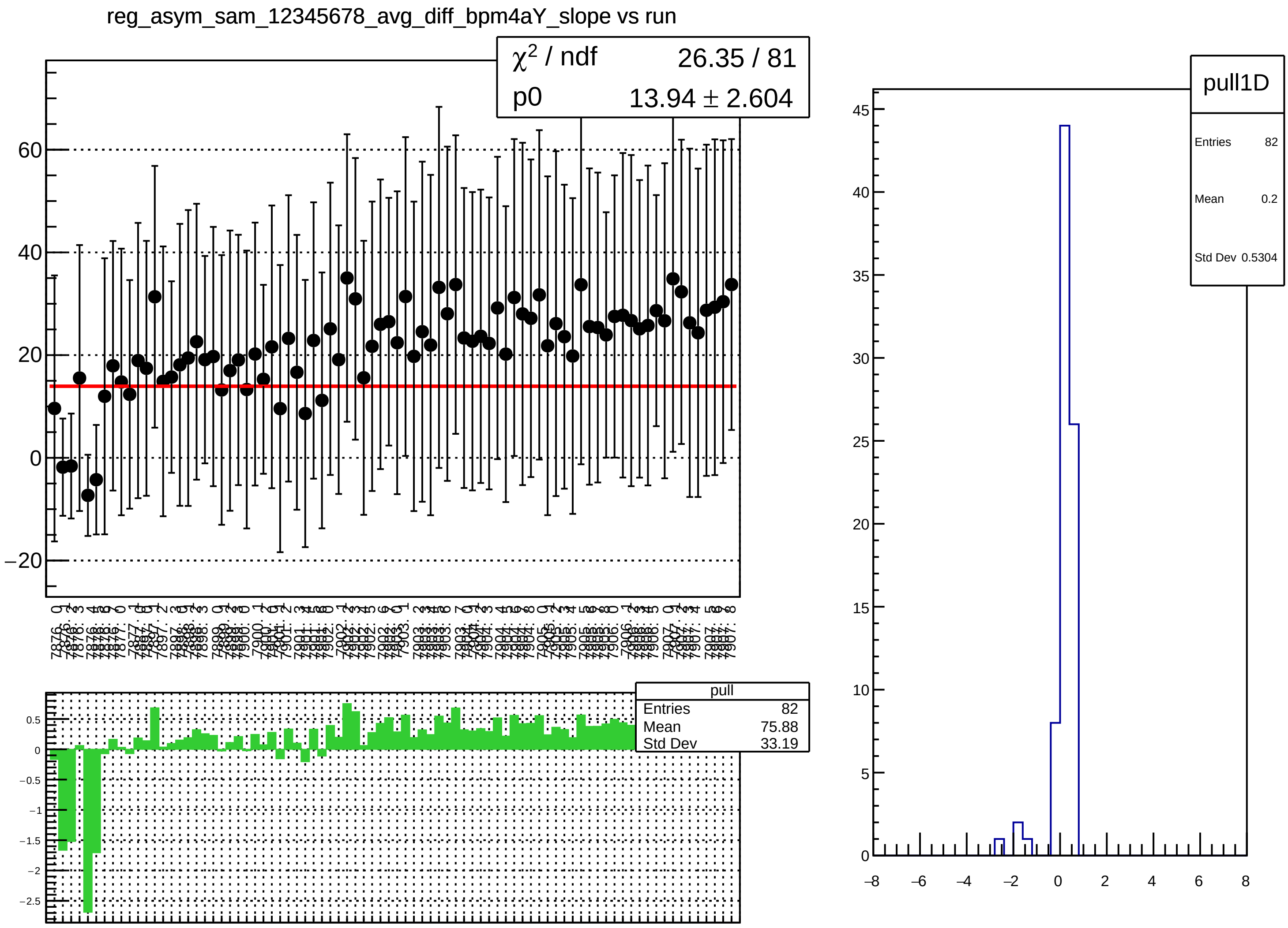
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ2 / ndf 1.854 / 81
p0 −6.307 ± 1.168
pull
Entries 82
Mean 104.9
Std Dev 62.89
pull1D
Entries 82
Mean 0.02886
Std Dev 0.1476

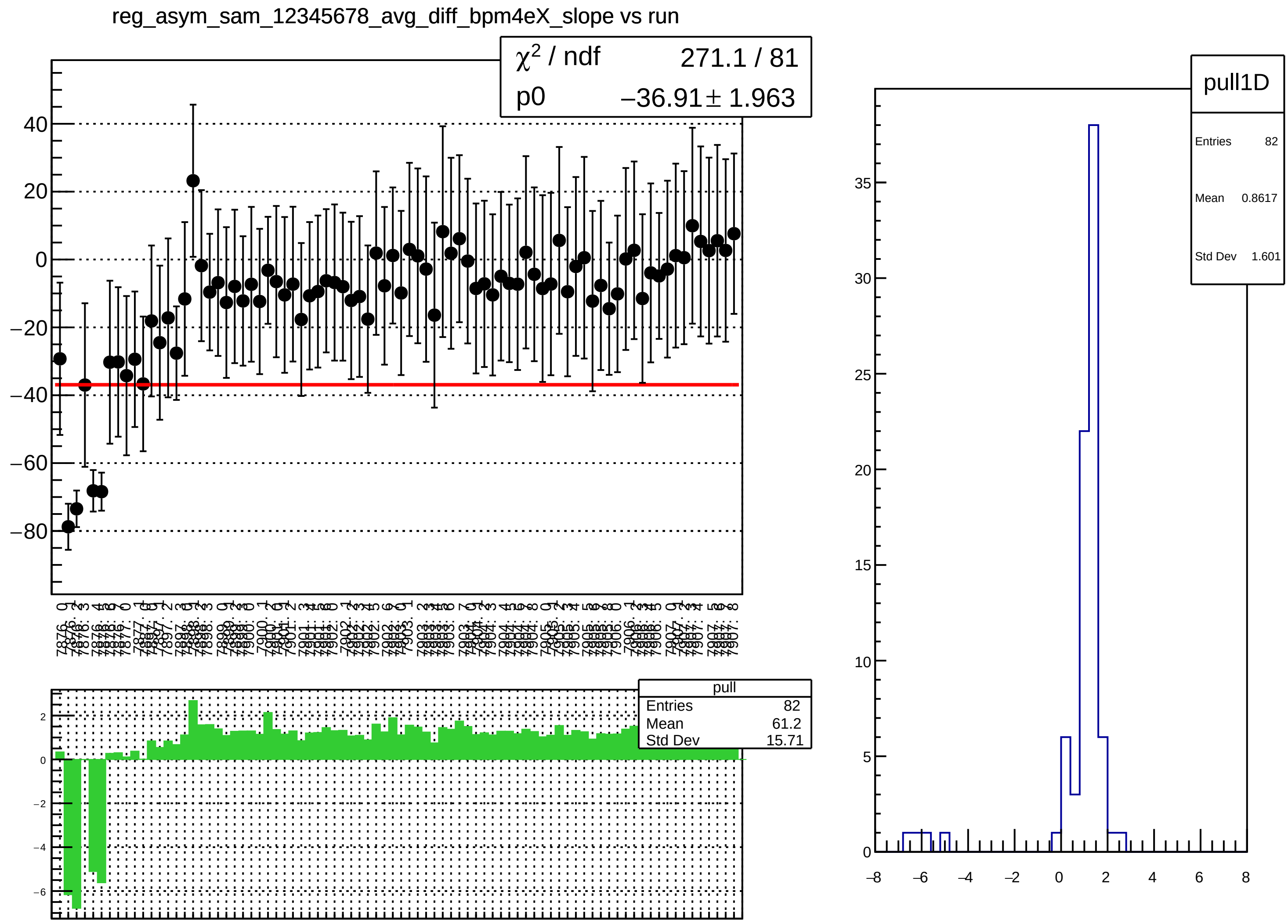


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.293 / 81
p0 0.2336 ± 0.03918
pull
Entries 82
Mean 194.2
Std Dev 153.5
pull1D
Entries 82
Mean 0.01311
Std Dev 0.2284

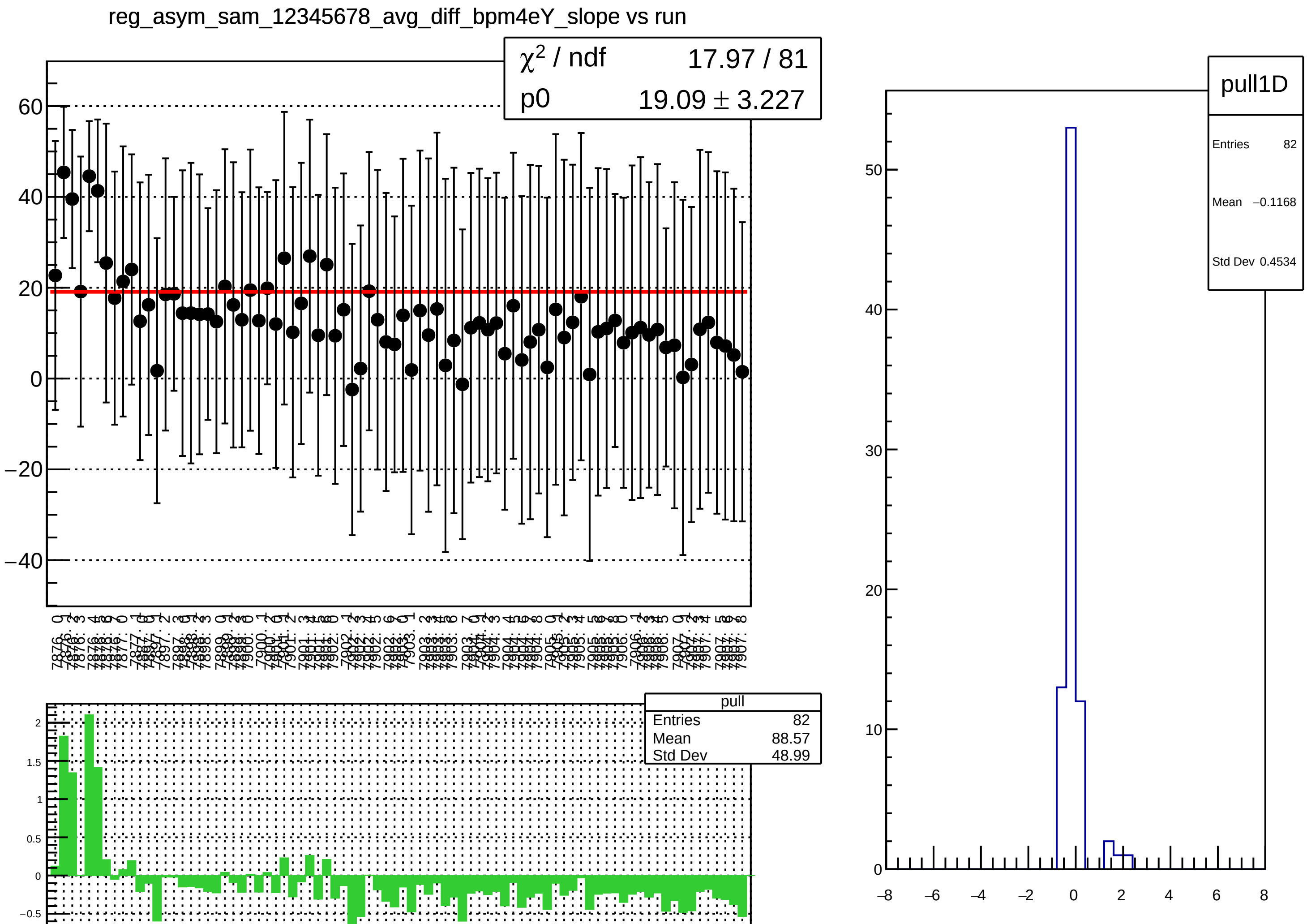


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ2 / ndf 230.3 / 81
p0 −39.79 ± 2.427
pull
Entries 82
Mean 63.19
Std Dev 19.43
pull1D
Entries 82
Mean −0.7345
Std Dev 1.506

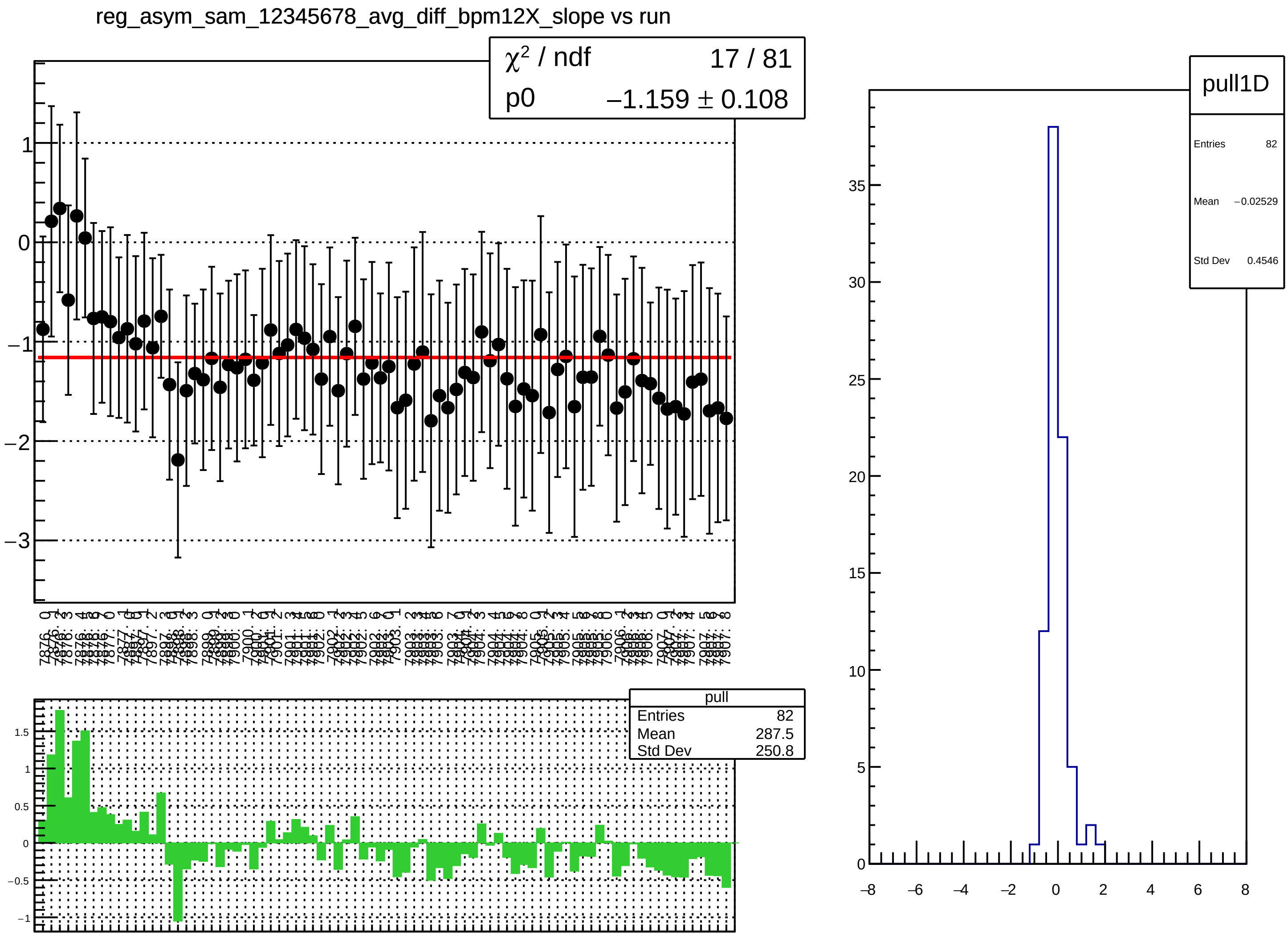

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 26.35 / 81
p0 13.94 ± 2.604
pull
Entries 82
Mean 75.88
Std Dev 33.19
pull1D
Entries 82
Mean 0.2
Std Dev 0.5304



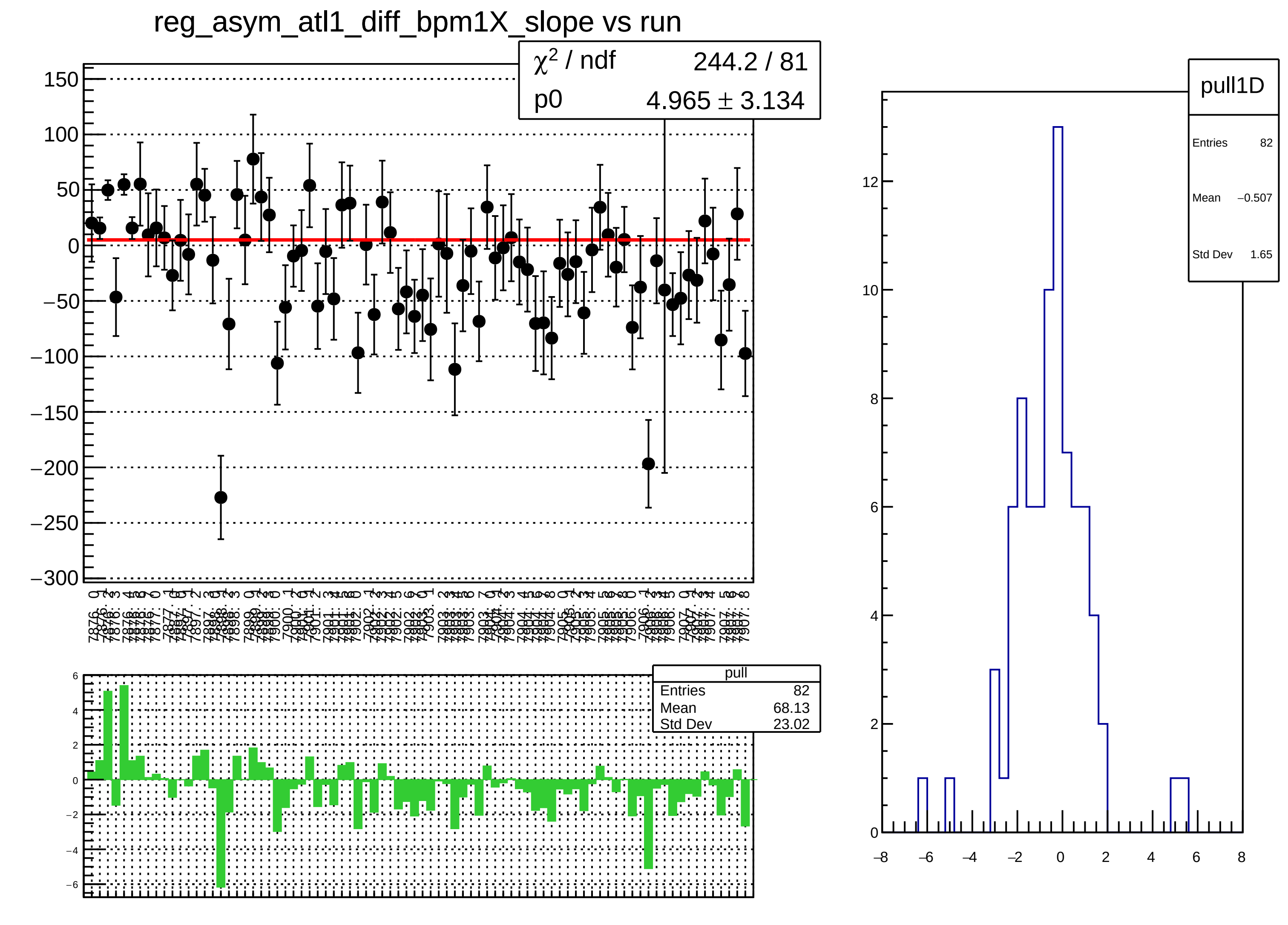
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 271.1 / 81
p0 −36.91 ± 1.963
pull
Entries 82
Mean 61.2
Std Dev 15.71
pull1D
Entries 82
Mean 0.8617
Std Dev 1.601



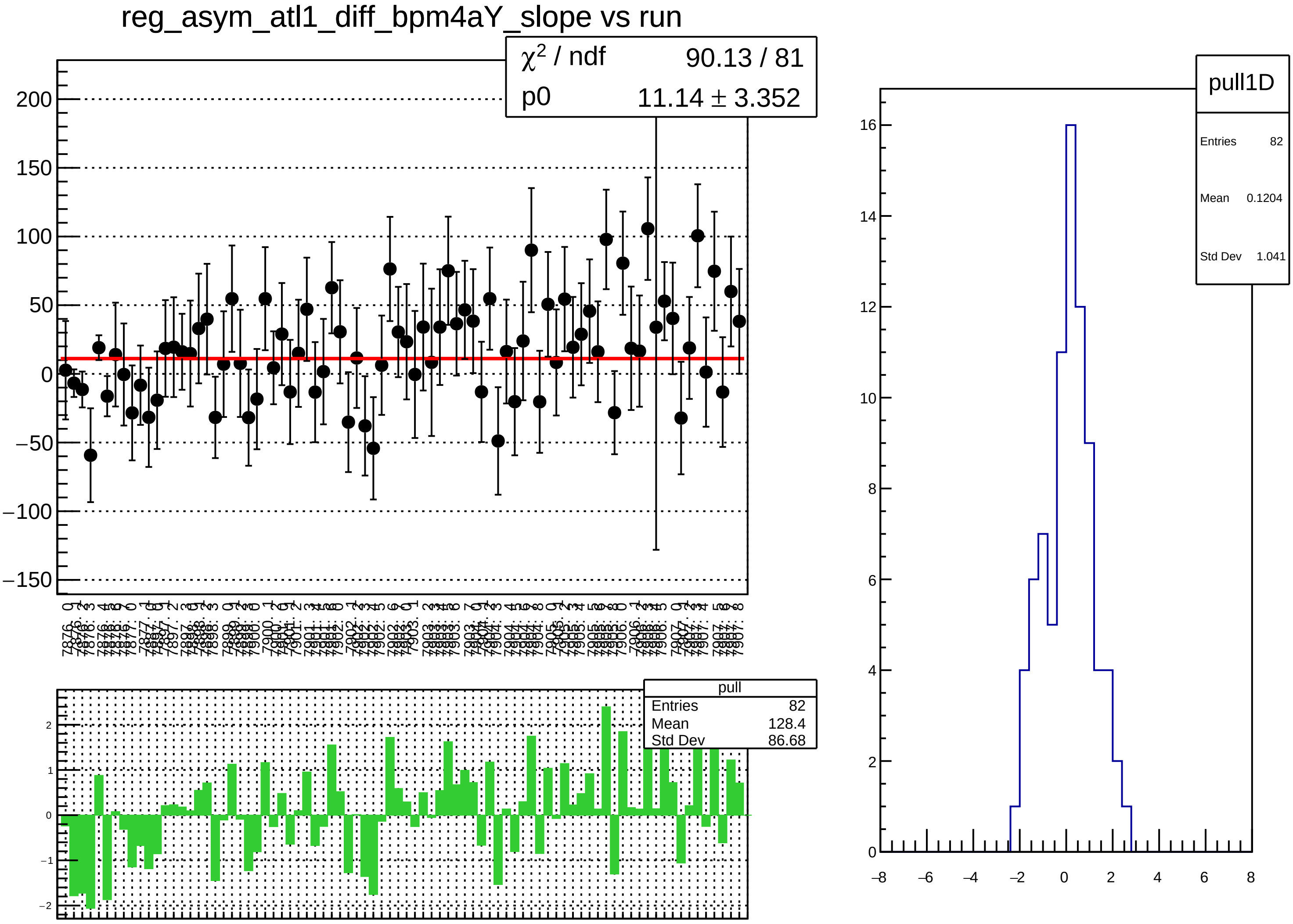
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ2 / ndf 17.97 / 81
p0 19.09 ± 3.227
60
40
20
0
−20
−40
pull
Entries 82
Mean 88.57
Std Dev 48.99
2
1.5
1
0.5
0
−0.5
pull1D
Entries 82
Mean −0.1168
Std Dev 0.4534
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



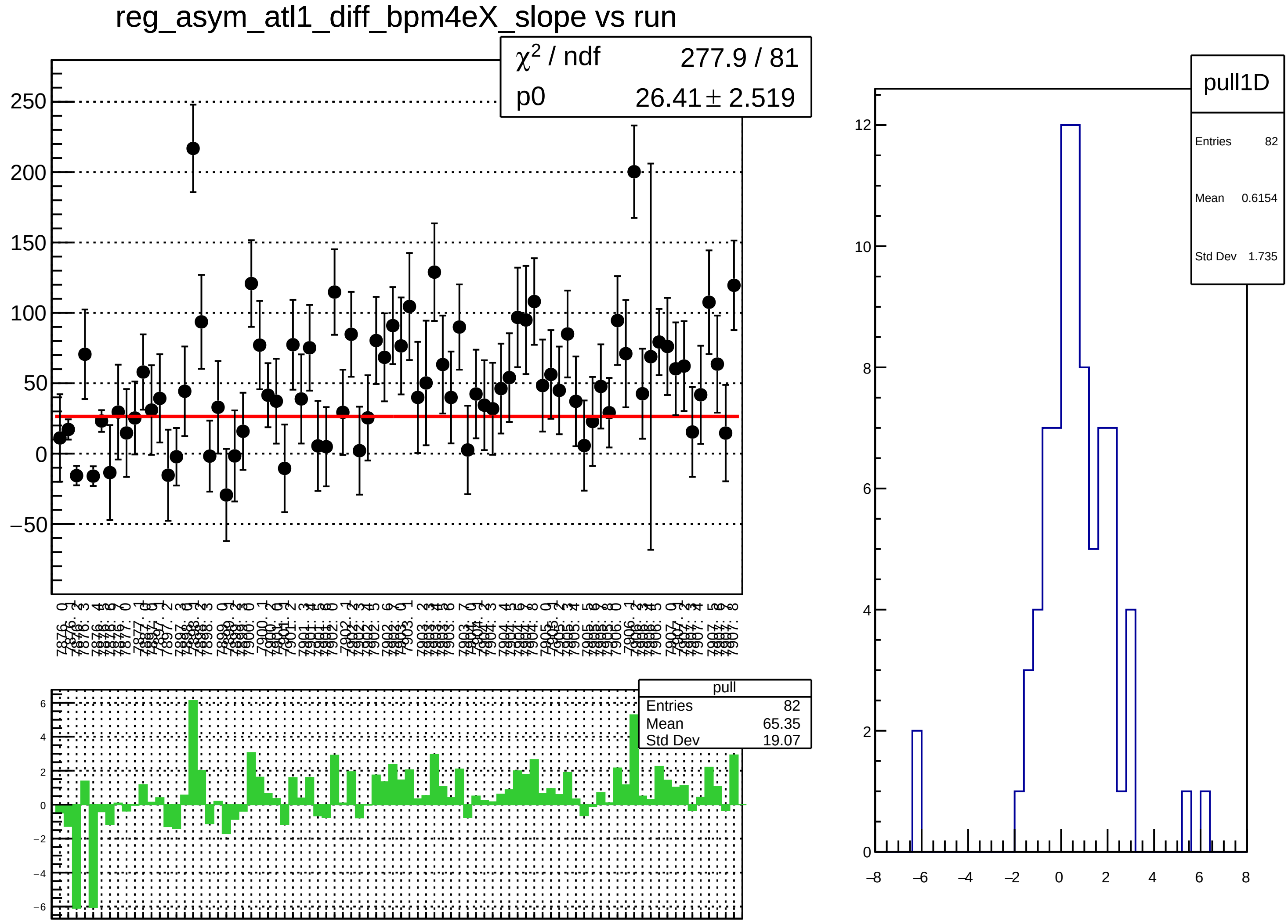
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 17 / 81
p0 −1.159 ± 0.108
pull
Entries 82
Mean 287.5
Std Dev 250.8
pull1D
Entries 82
Mean −0.02529
Std Dev 0.4546

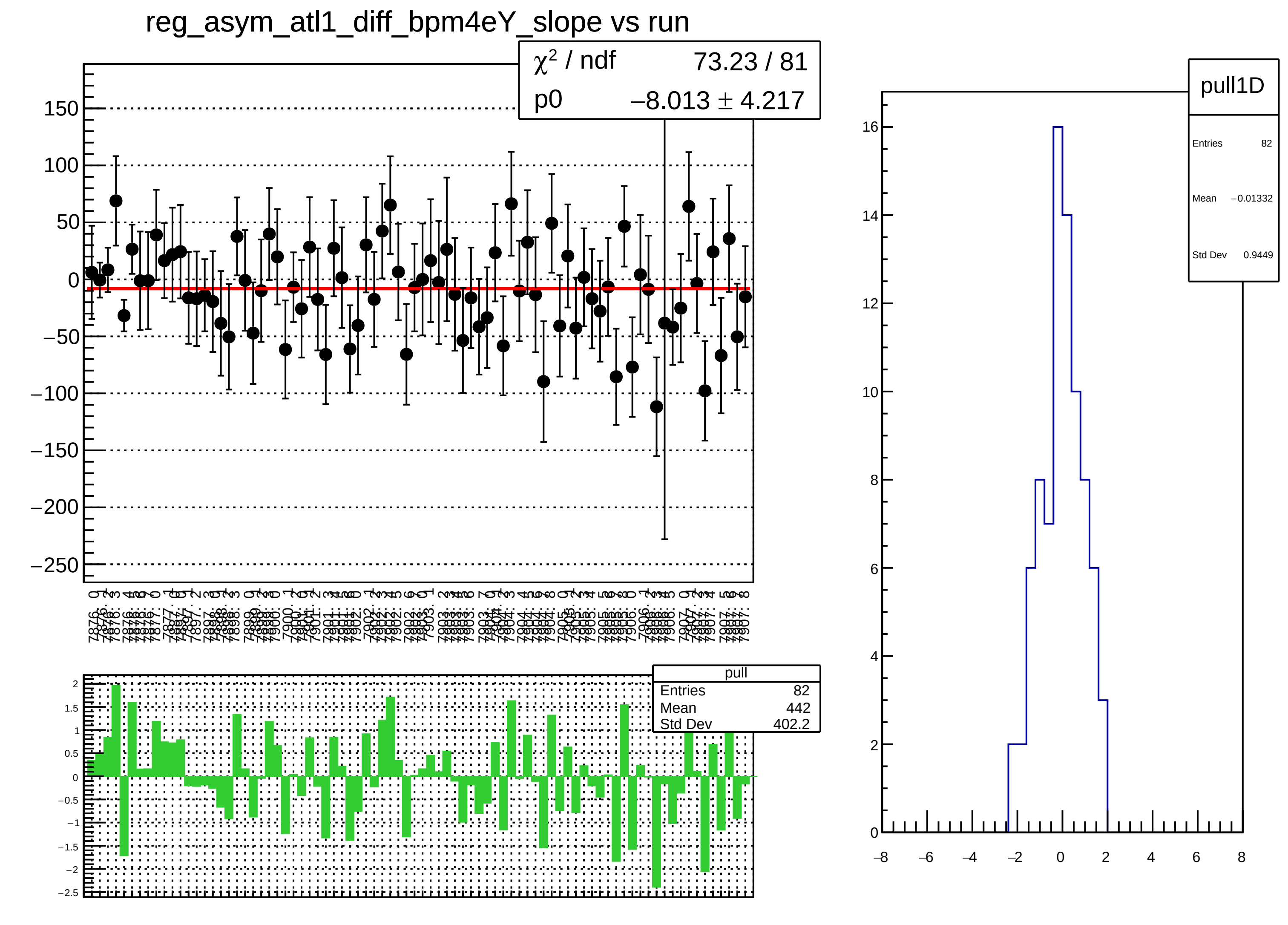


reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 244.2 / 81
p0 4.965 ± 3.134
pull
Entries 82
Mean 68.13
Std Dev 23.02
pull1D
Entries 82
Mean −0.507
Std Dev 1.65

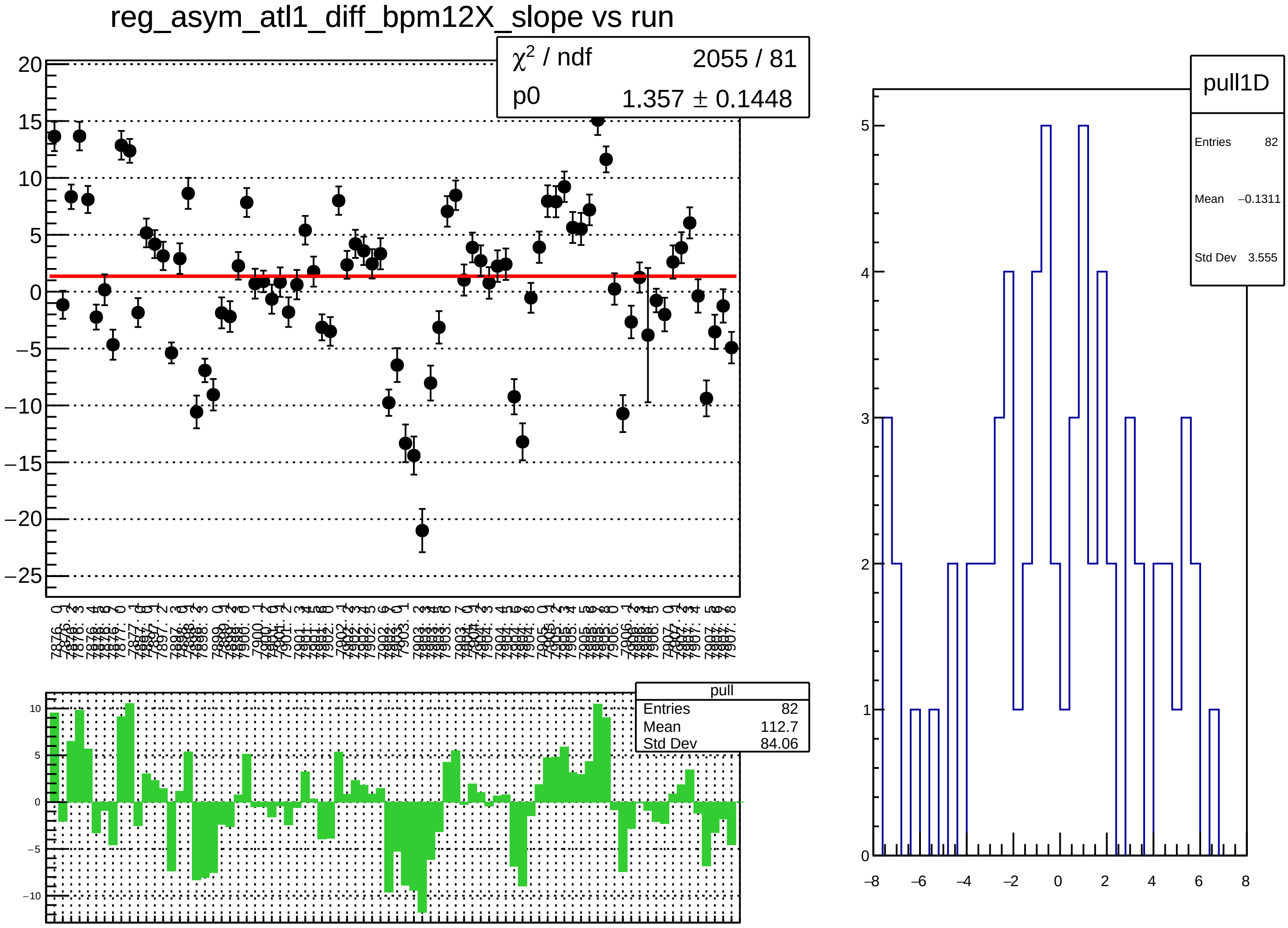


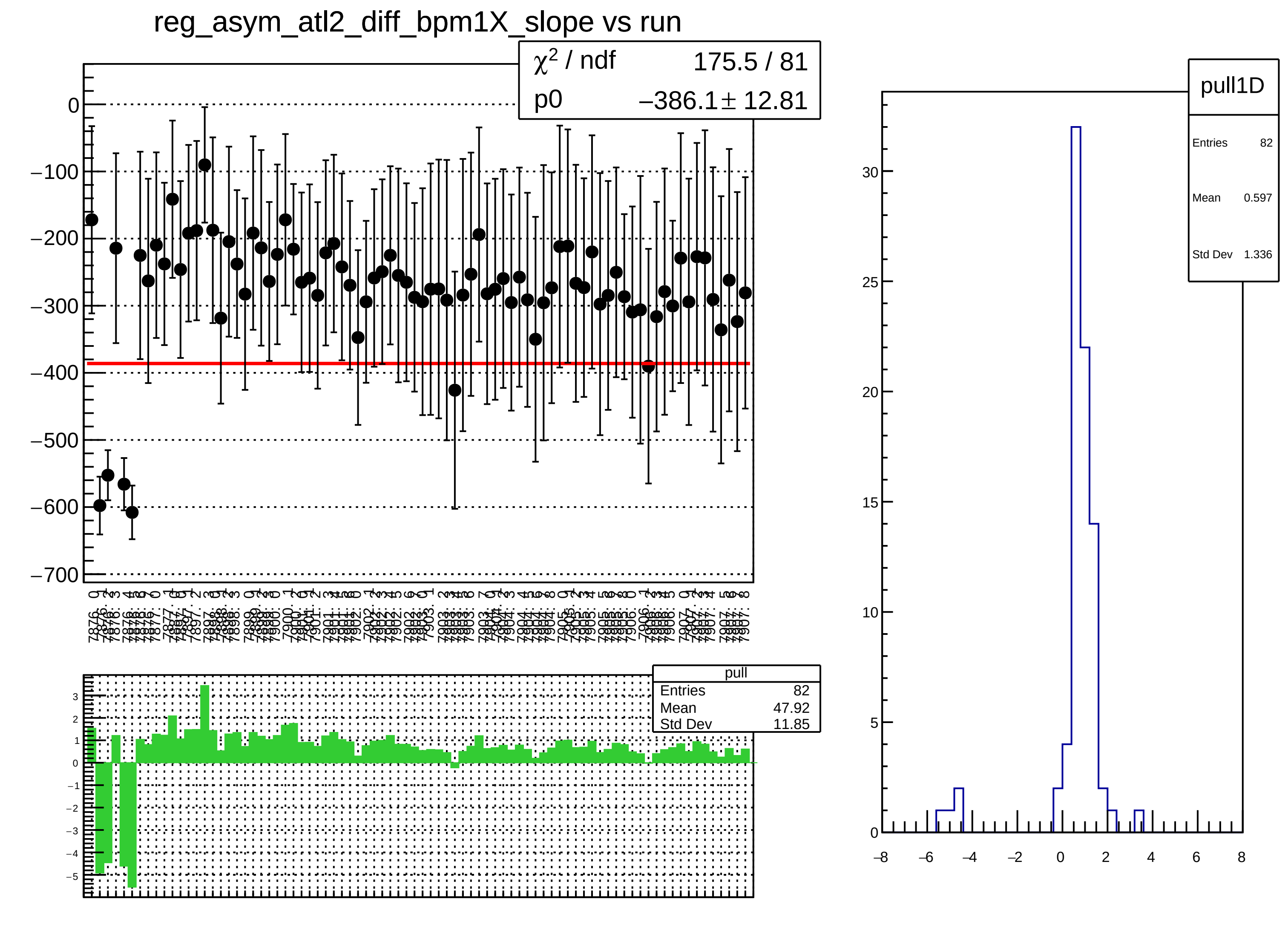
reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 90.13 / 81
p0 11.14 ± 3.352
pull
Entries 82
Mean 128.4
Std Dev 86.68
pull1D
Entries 82
Mean 0.1204
Std Dev 1.041


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

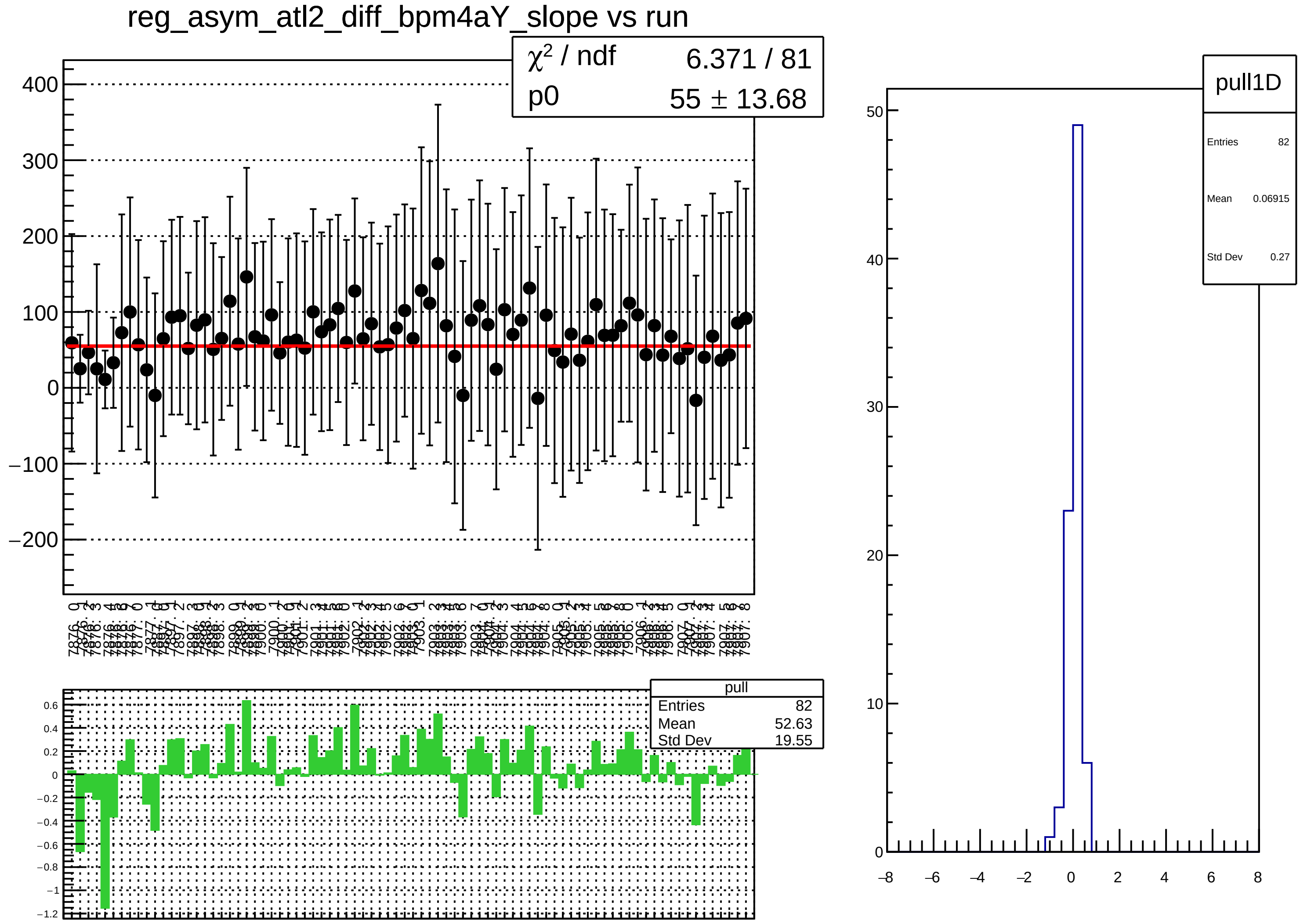


reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 73.23 / 81
p0 −8.013 ± 4.217
pull
Entries 82
Mean 442
Std Dev 402.2
pull1D
Entries 82
Mean −0.01332
Std Dev 0.9449

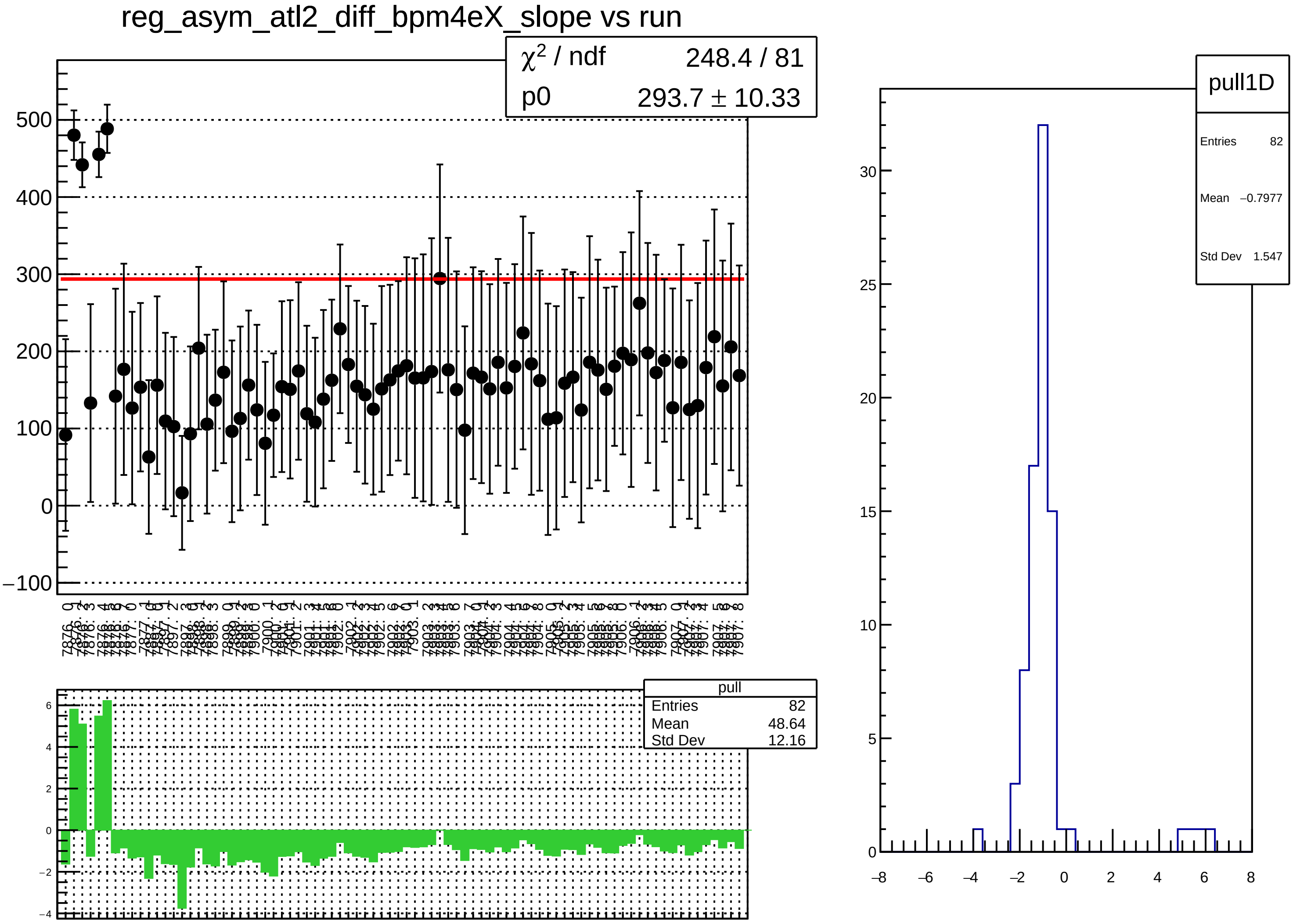

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 2055 / 81
p0 1.357 ± 0.1448
pull
Entries 82
Mean 112.7
Std Dev 84.06
pull1D
Entries 82
Mean −0.1311
Std Dev 3.555



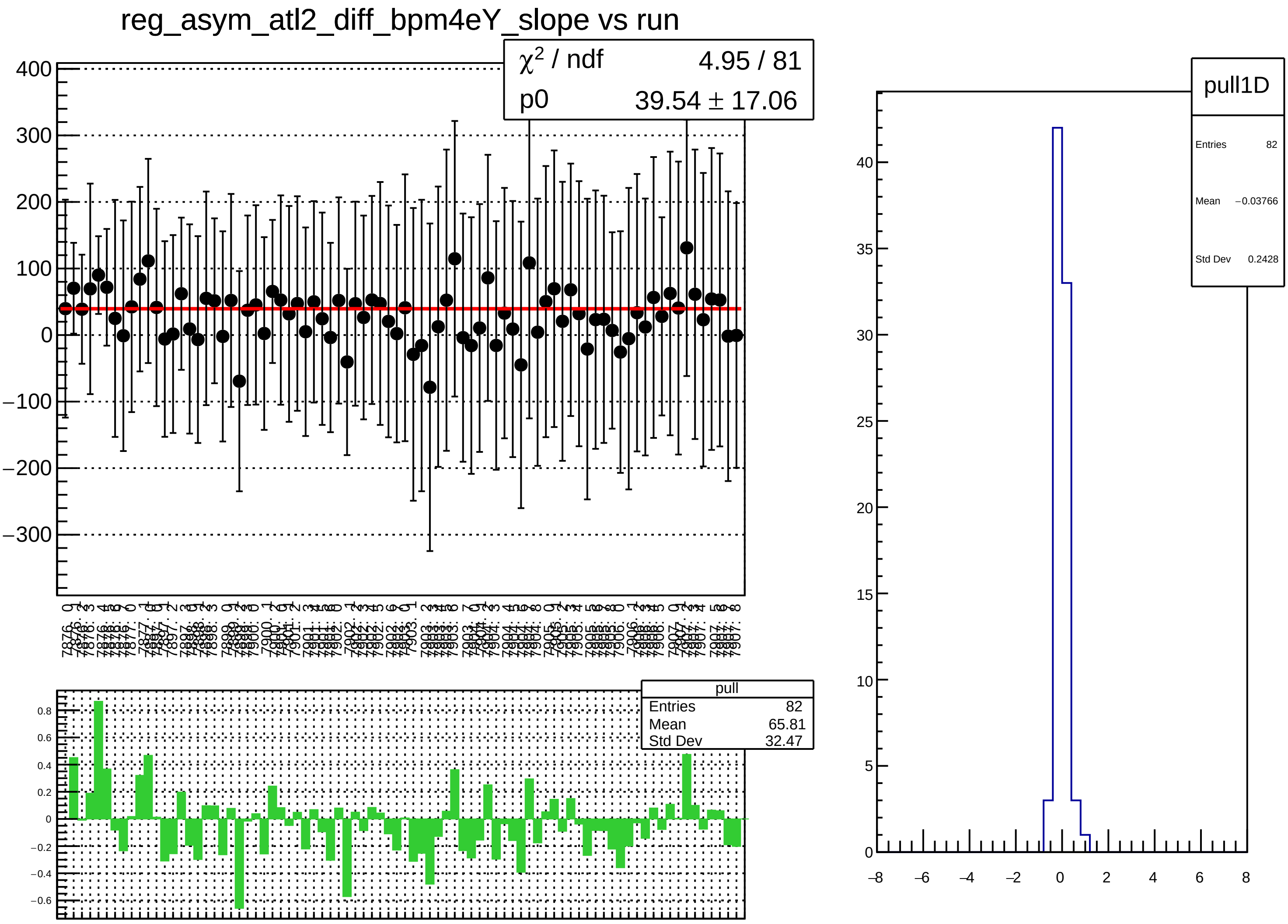
reg_asym_atl2_diff_bpm1X_slope vs run
χ2 / ndf 175.5 / 81
p0 −386.1 ± 12.81
pull
Entries 82
Mean 47.92
Std Dev 11.85
pull1D
Entries 82
Mean 0.597
Std Dev 1.336



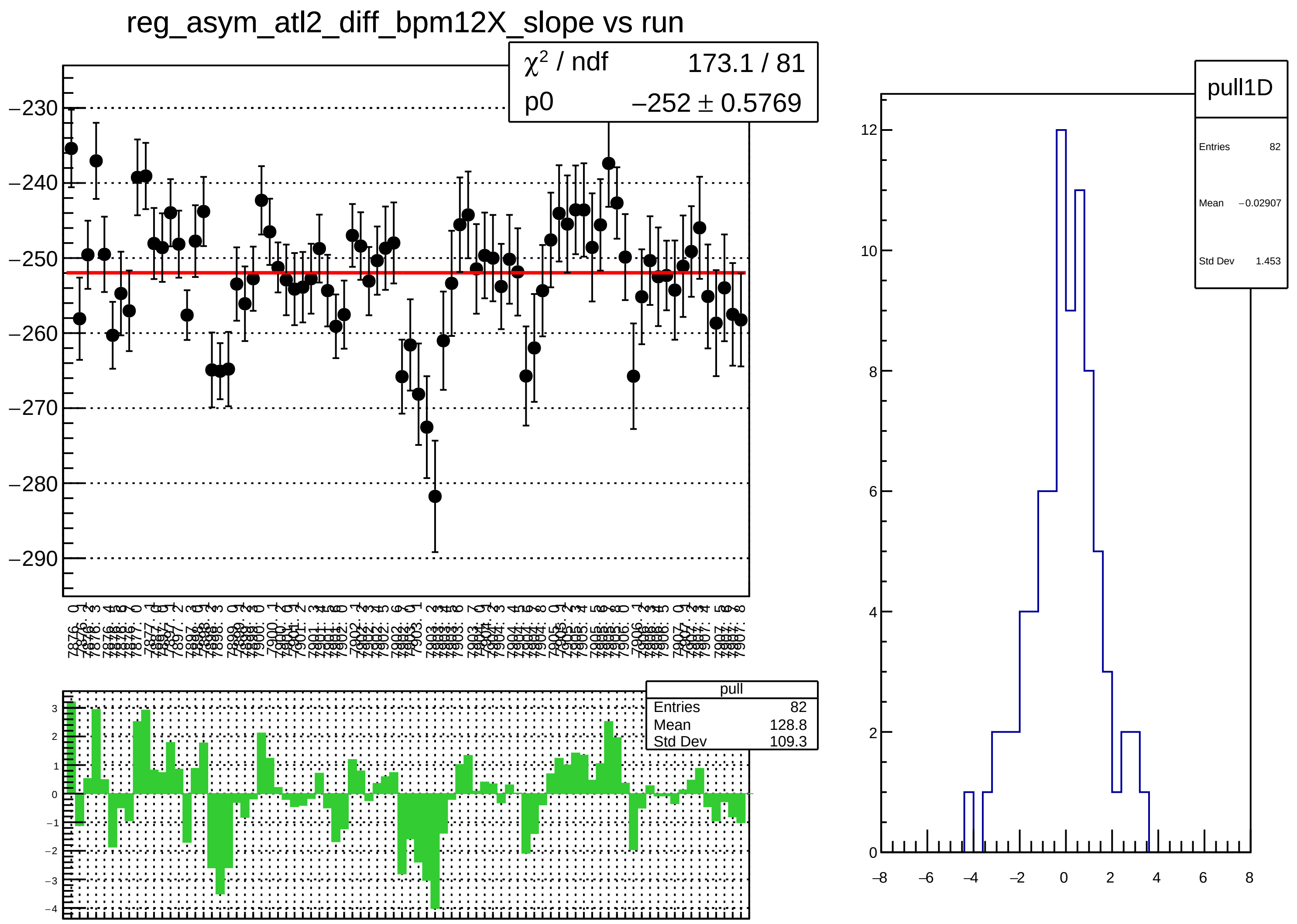
reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 6.371 / 81
p0 55 ± 13.68
pull
Entries 82
Mean 52.63
Std Dev 19.55
pull1D
Entries 82
Mean 0.06915
Std Dev 0.27



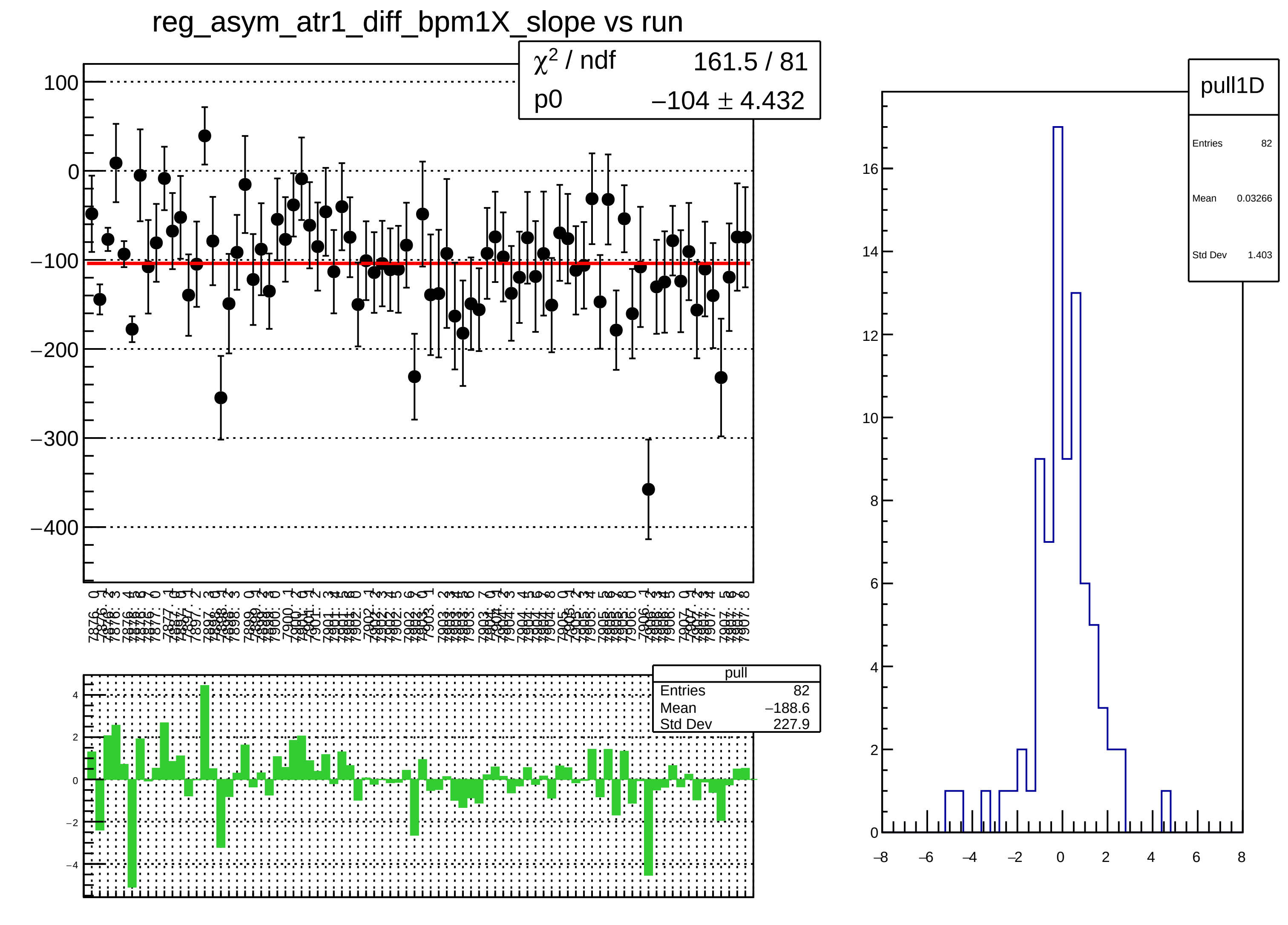
reg_asym_atl2_diff_bpm4eX_slope vs run
χ2 / ndf 248.4 / 81
p0 293.7 ± 10.33
pull
Entries 82
Mean 48.64
Std Dev 12.16
pull1D
Entries 82
Mean −0.7977
Std Dev 1.547



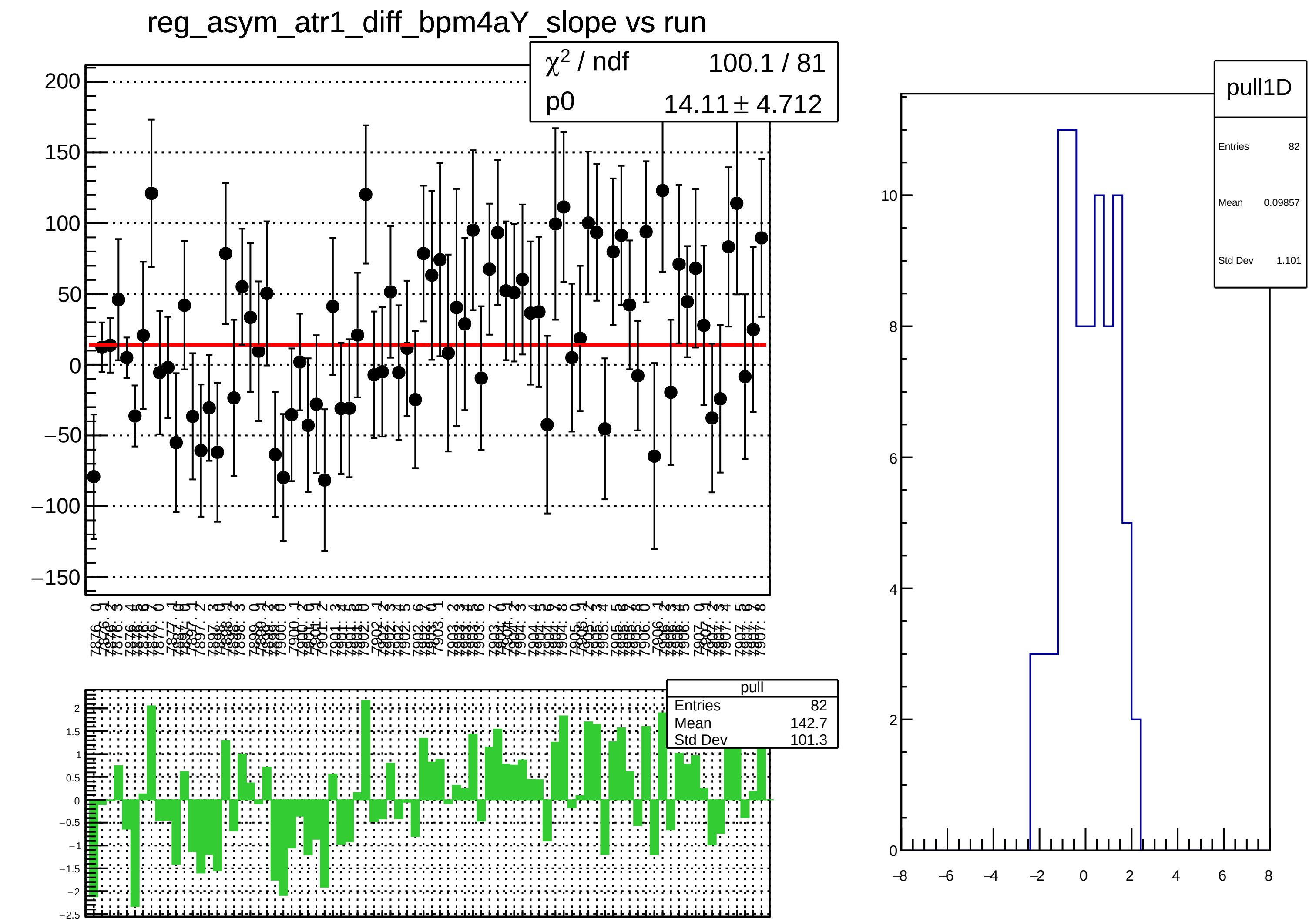
reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.95 / 81
p0 39.54 ± 17.06
pull
Entries 82
Mean 65.81
Std Dev 32.47
pull1D
Entries 82
Mean −0.03766
Std Dev 0.2428



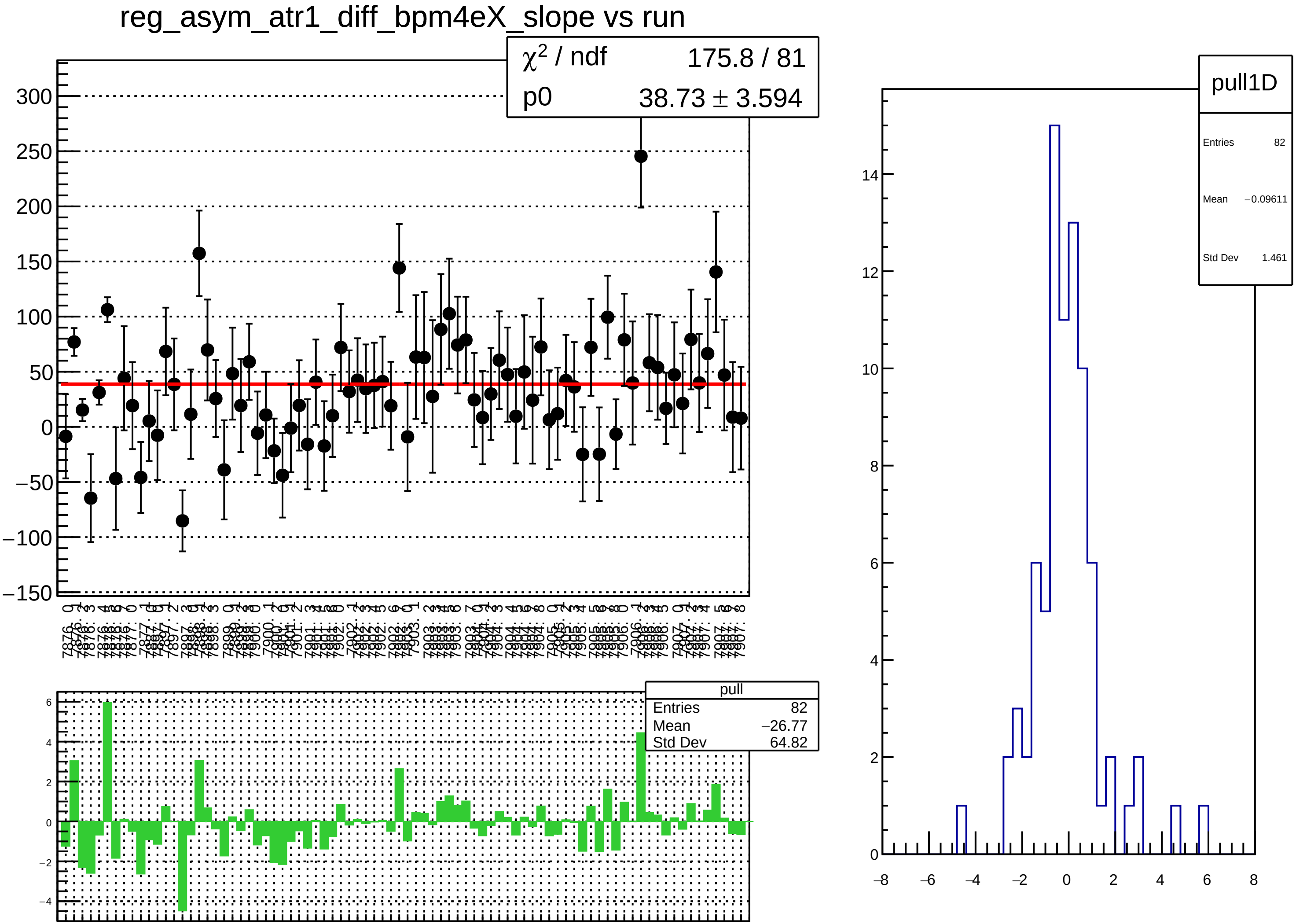
reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 173.1 / 81
p0 −252 ± 0.5769
pull
Entries 82
Mean 128.8
Std Dev 109.3
pull1D
Entries 82
Mean −0.02907
Std Dev 1.453



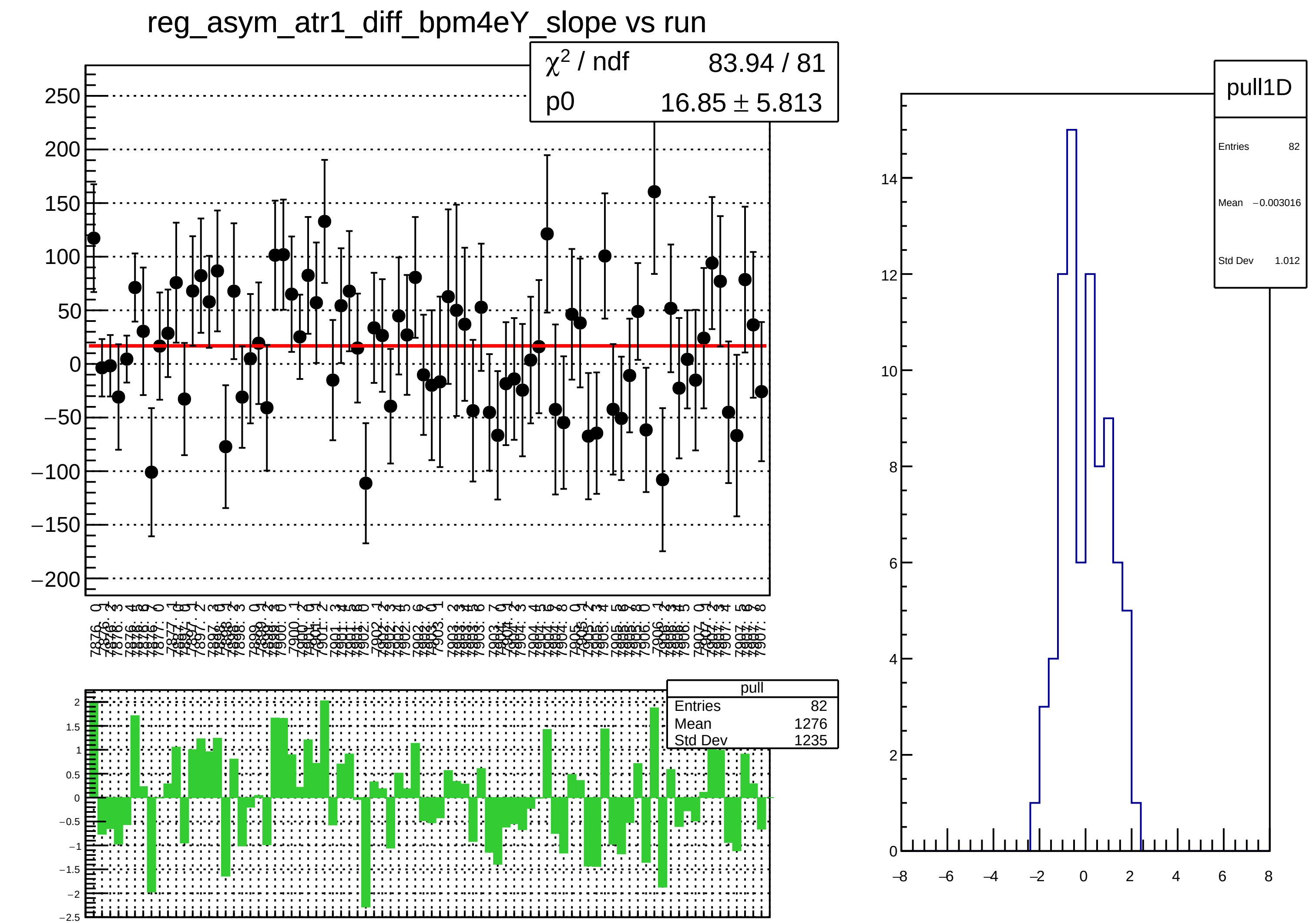
reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 161.5 / 81
p0 −104 ± 4.432
pull
Entries 82
Mean −188.6
Std Dev 227.9
pull1D
Entries 82
Mean 0.03266
Std Dev 1.403



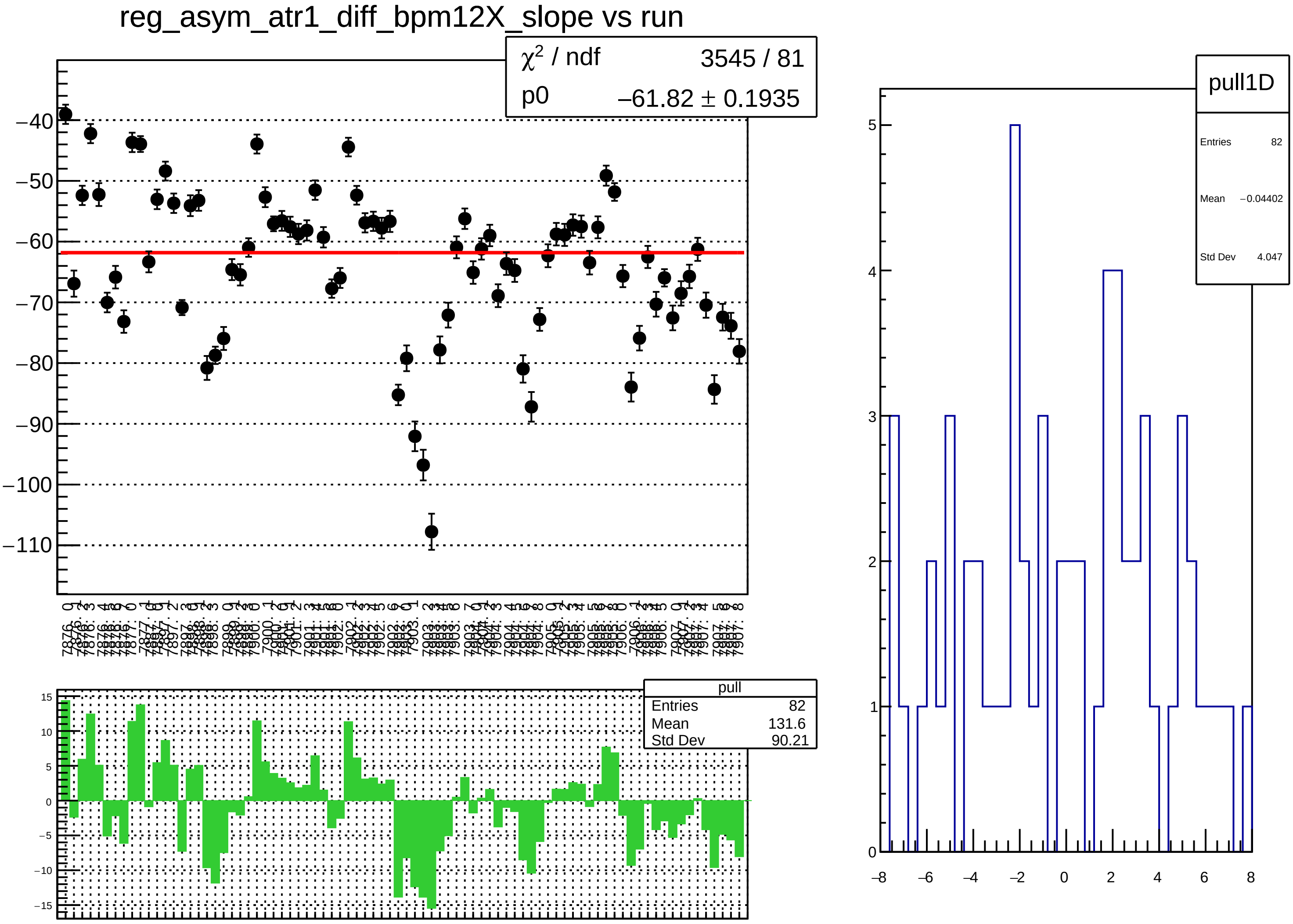
reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 100.1 / 81
p0 14.11 ± 4.712
pull
Entries 82
Mean 142.7
Std Dev 101.3
pull1D
Entries 82
Mean 0.09857
Std Dev 1.101

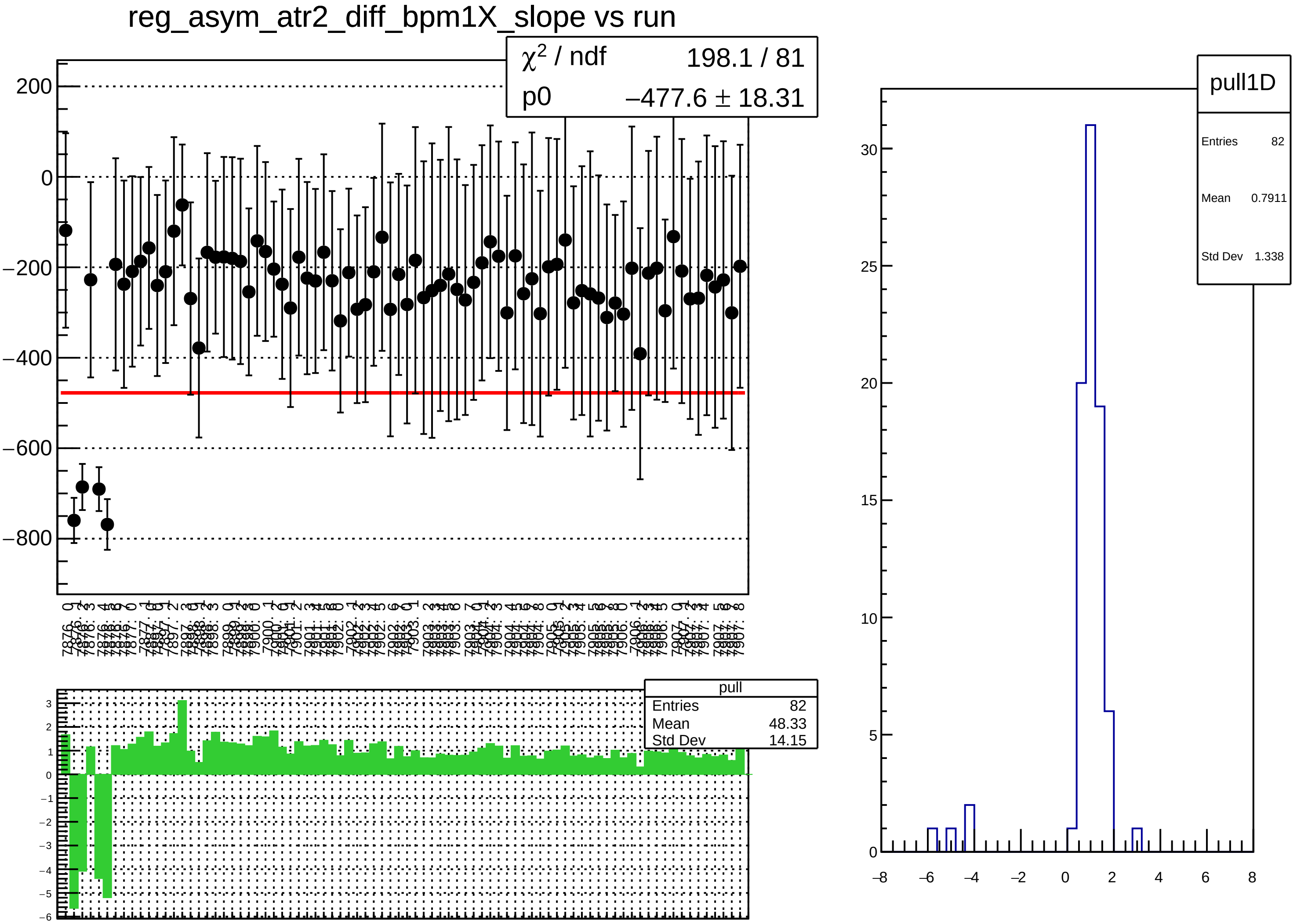


reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 175.8 / 81
p0 38.73 ± 3.594
pull
Entries 82
Mean −26.77
Std Dev 64.82
pull1D
Entries 82
Mean −0.09611
Std Dev 1.461

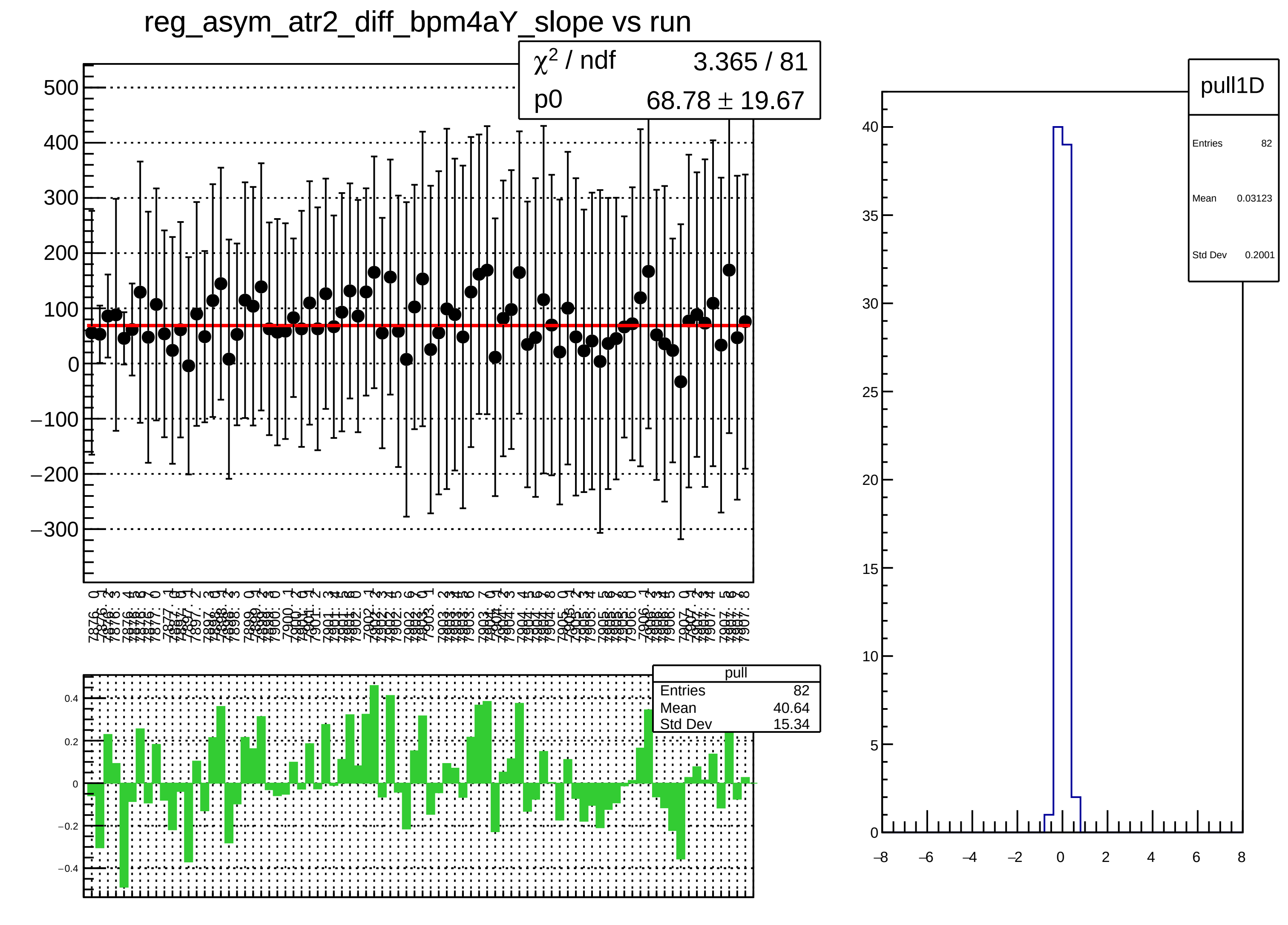


reg_asym_atr1_diff_bpm4eY_slope vs run
χ2 / ndf 83.94 / 81
p0 16.85 ± 5.813
pull
Entries 82
Mean 1276
Std Dev 1235
pull1D
Entries 82
Mean −0.003016
Std Dev 1.012

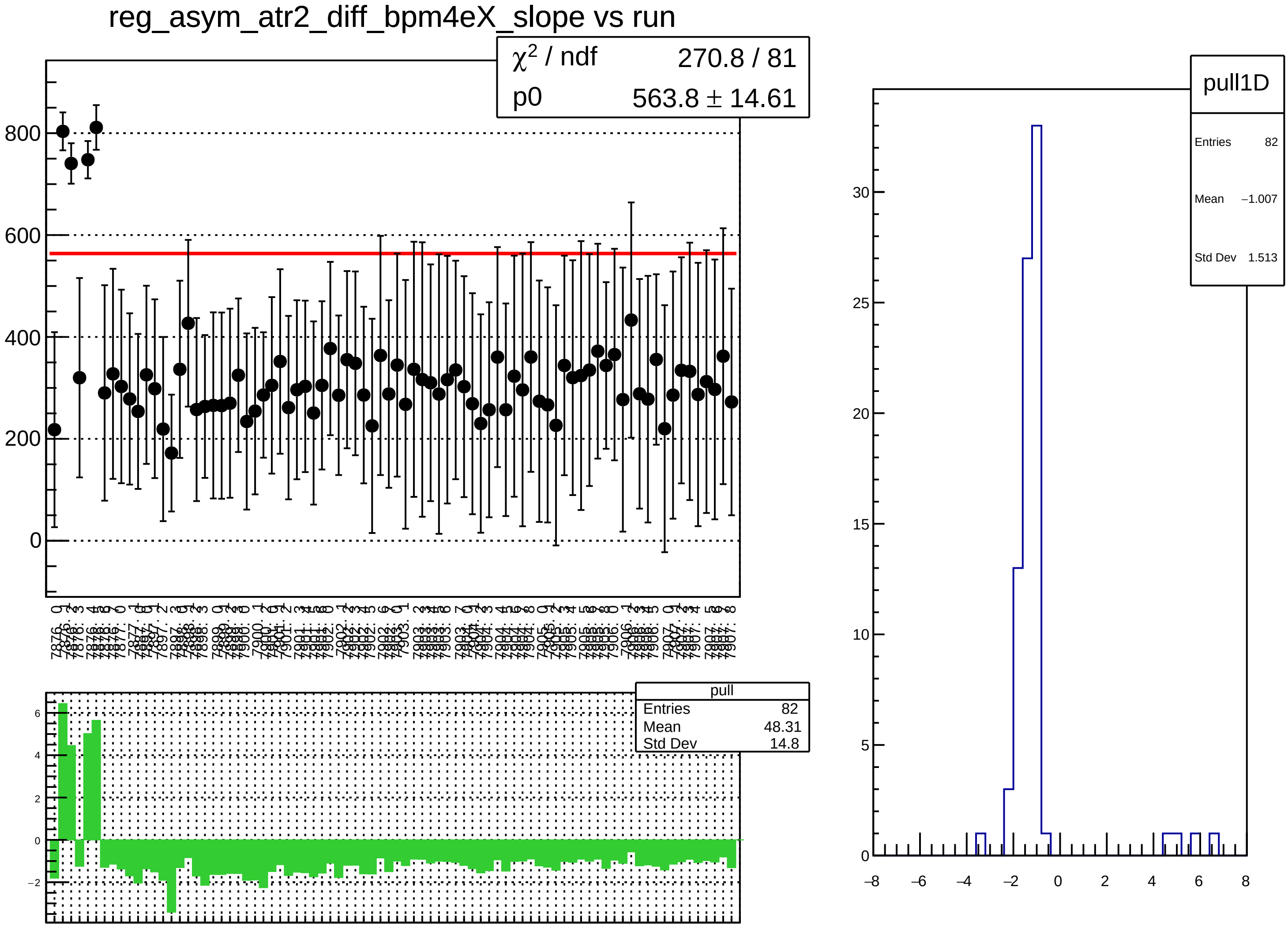

reg_asym_atr1_diff_bpm12X_slope vs run
χ2 / ndf 3545 / 81
p0 −61.82 ± 0.1935
pull
Entries 82
Mean 131.6
Std Dev 90.21
pull1D
Entries 82
Mean −0.04402
Std Dev 4.047



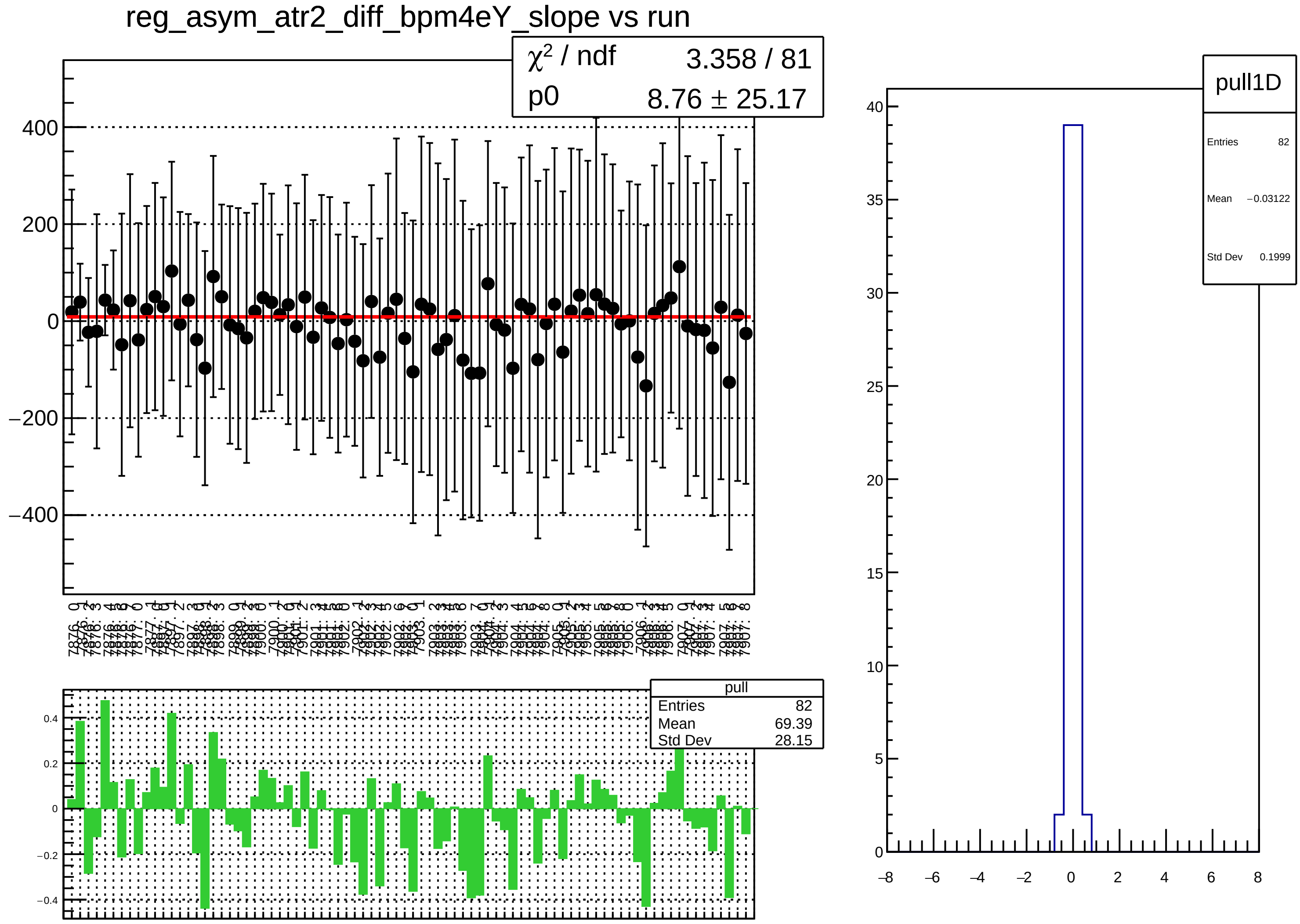
reg_asym_atr2_diff_bpm1X_slope vs run
χ2 / ndf 198.1 / 81
p0 −477.6 ± 18.31
pull
Entries 82
Mean 48.33
Std Dev 14.15
pull1D
Entries 82
Mean 0.7911
Std Dev 1.338



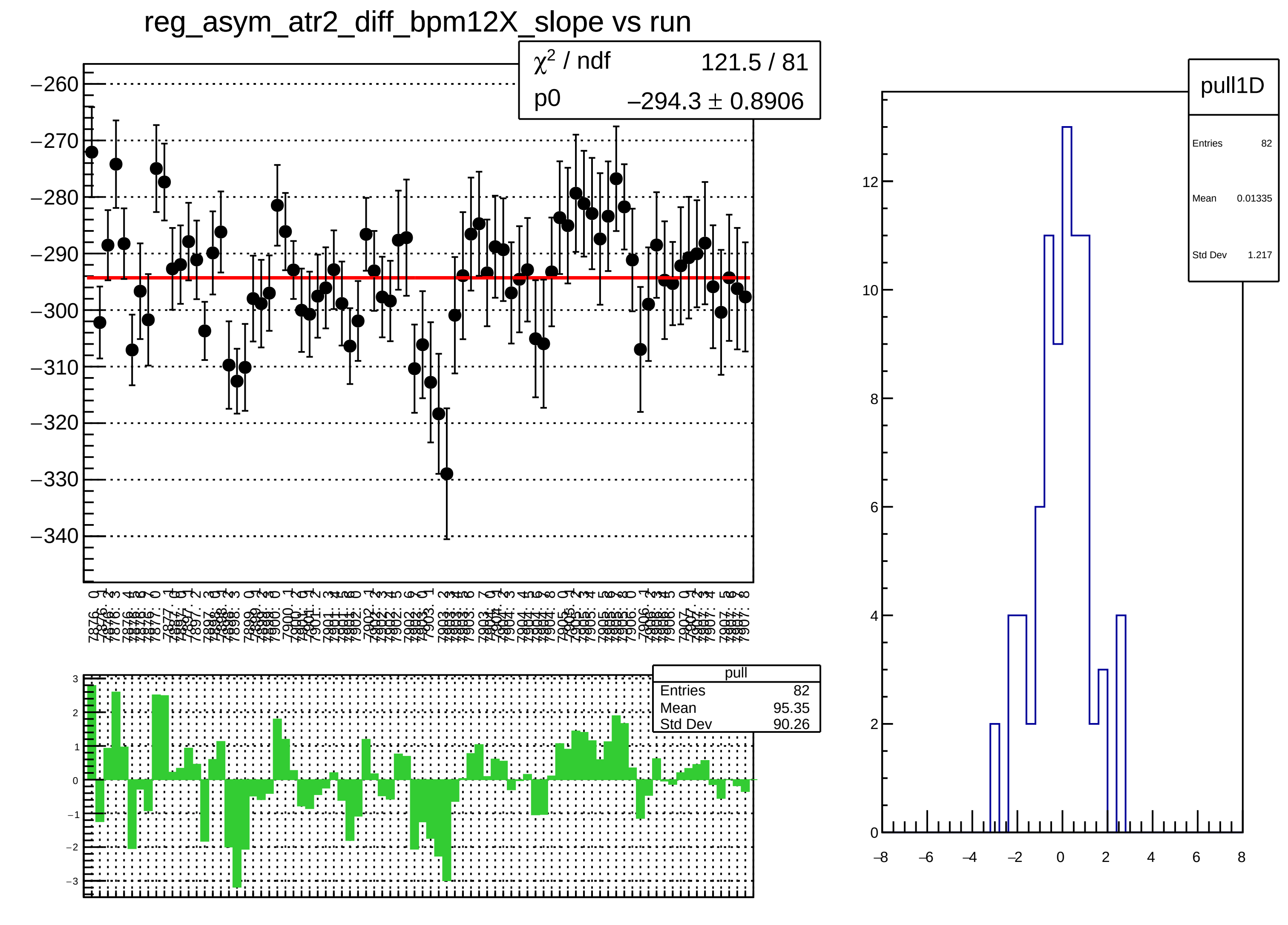
reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 3.365 / 81
p0 68.78 ± 19.67
pull
Entries 82
Mean 40.64
Std Dev 15.34
pull1D
Entries 82
Mean 0.03123
Std Dev 0.2001



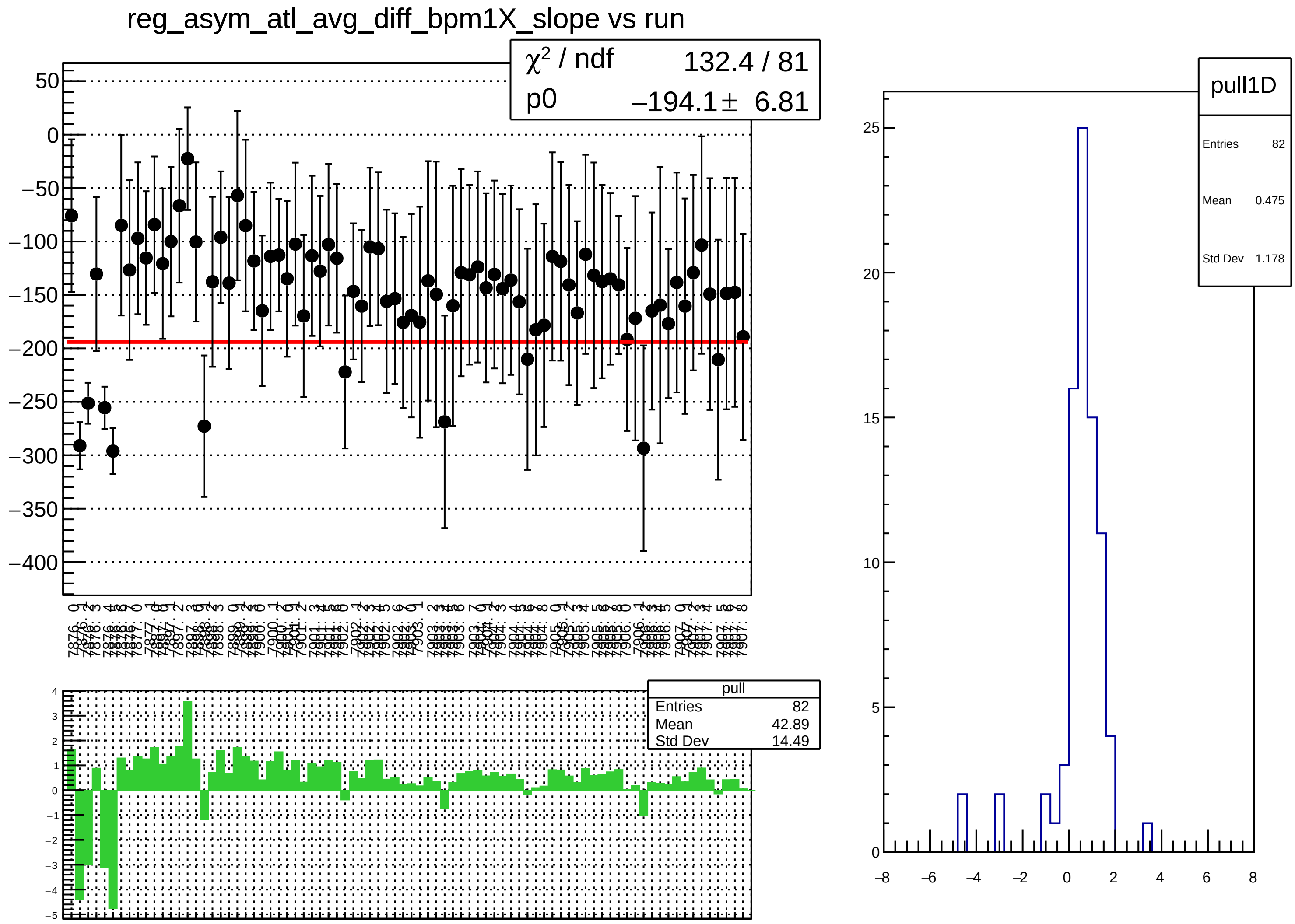
reg_asym_atr2_diff_bpm4eX_slope vs run
χ2 / ndf 270.8 / 81
p0 563.8 ± 14.61
pull
Entries 82
Mean 48.31
Std Dev 14.8
pull1D
Entries 82
Mean −1.007
Std Dev 1.513



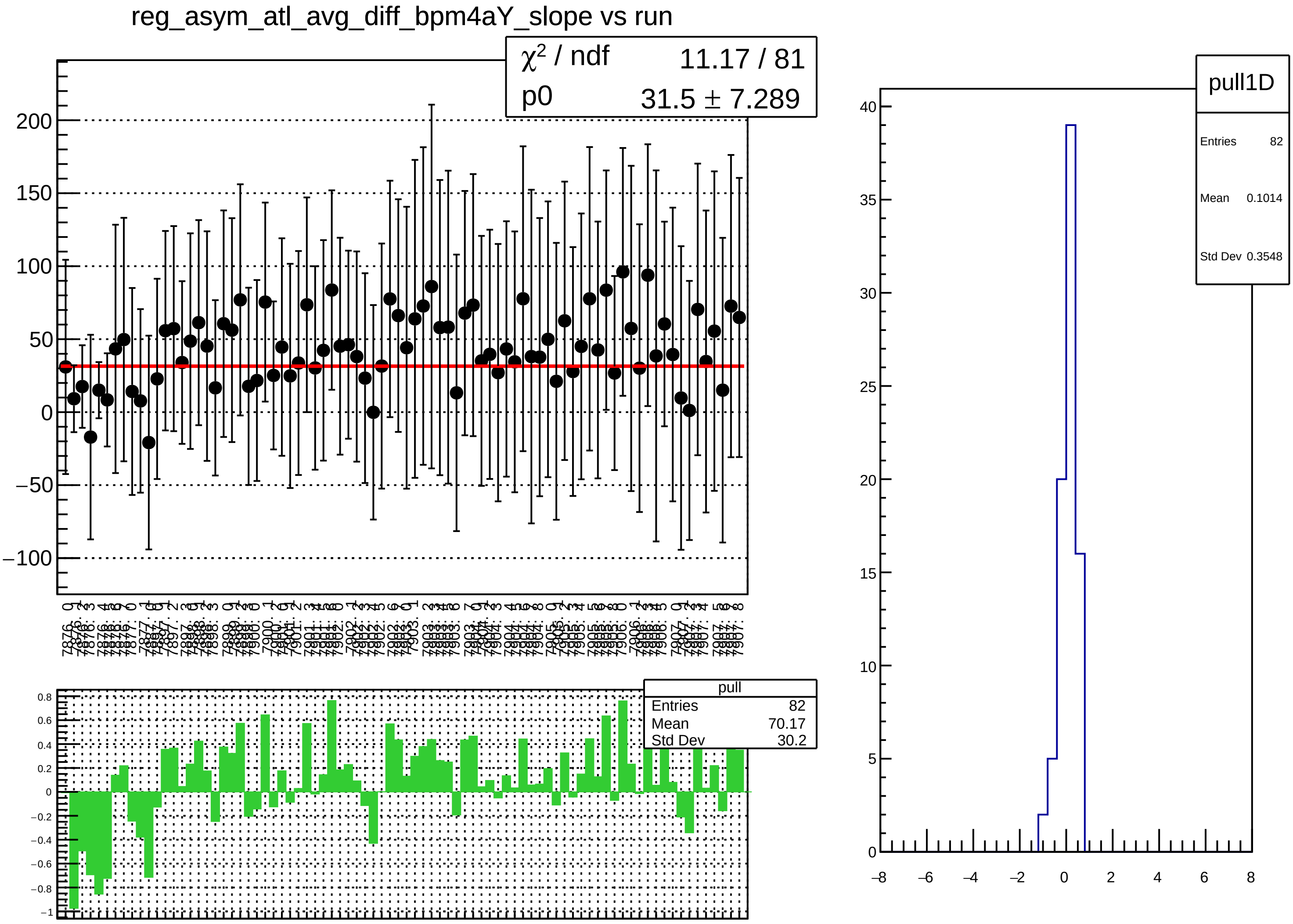
reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.358 / 81
p0 8.76 ± 25.17
pull
Entries 82
Mean 69.39
Std Dev 28.15
pull1D
Entries 82
Mean −0.03122
Std Dev 0.1999



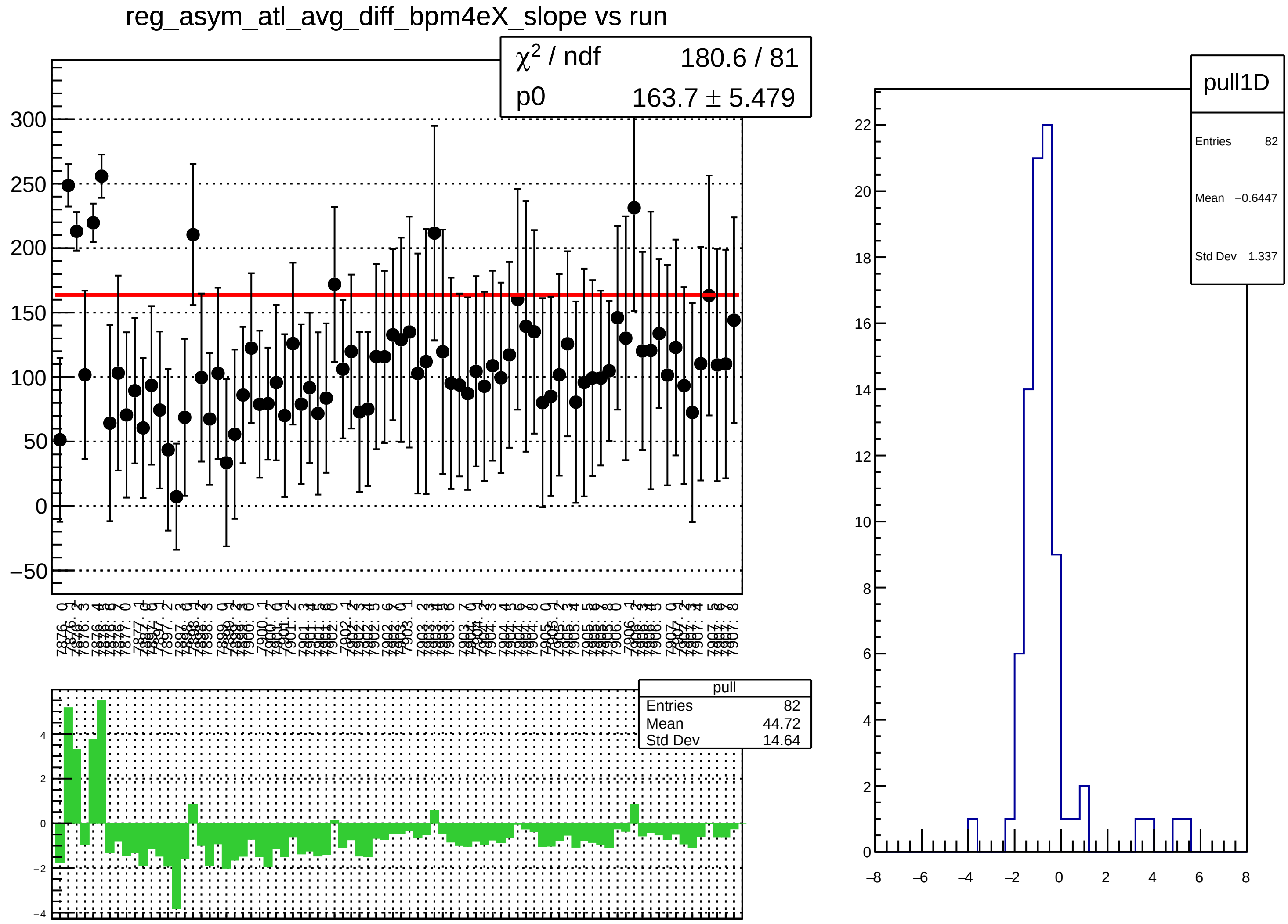
reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 121.5 / 81
p0 −294.3 ± 0.8906
pull
Entries 82
Mean 95.35
Std Dev 90.26
pull1D
Entries 82
Mean 0.01335
Std Dev 1.217



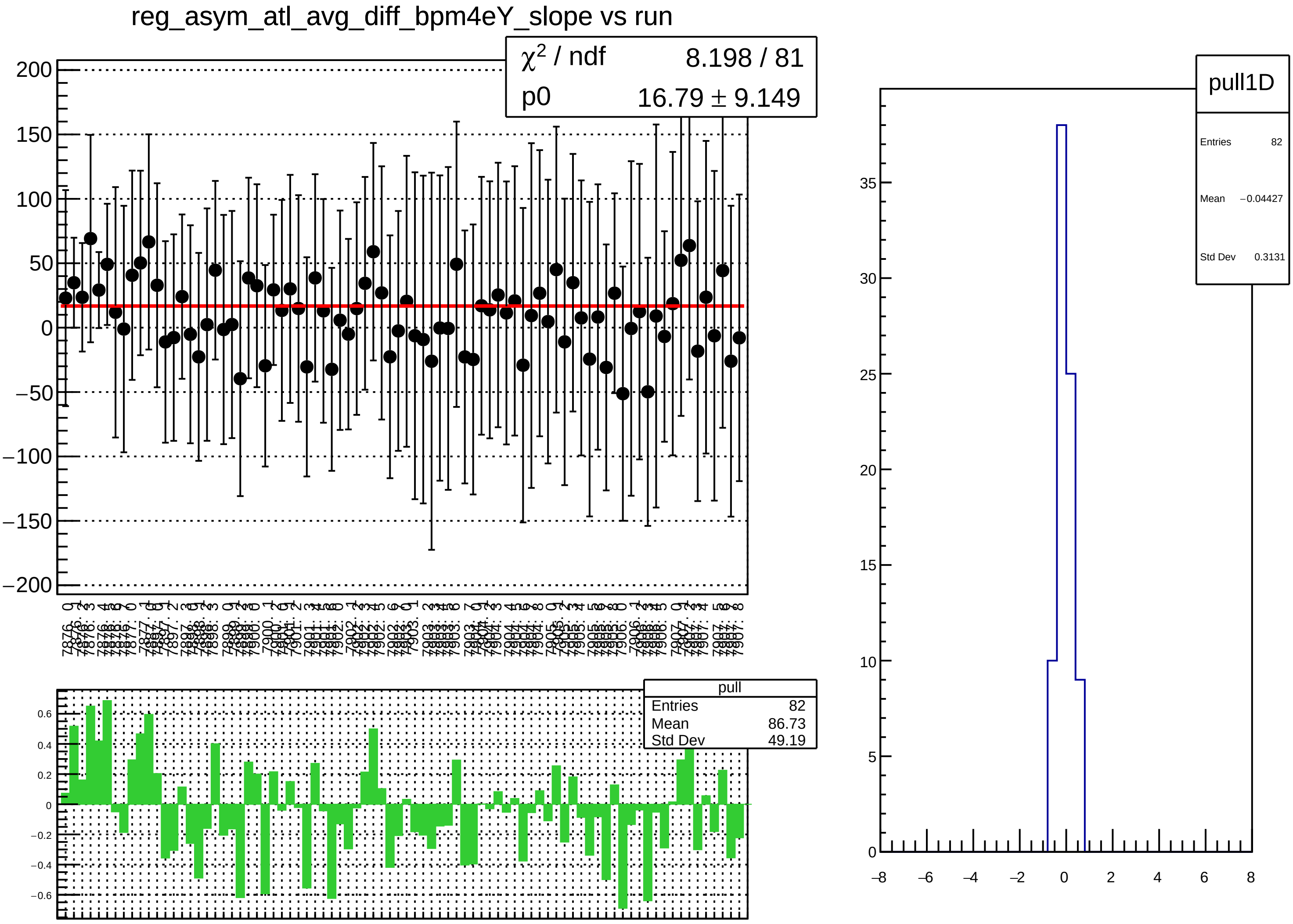
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 132.4 / 81
p0 −194.1 ± 6.81
pull
Entries 82
Mean 42.89
Std Dev 14.49
pull1D
Entries 82
Mean 0.475
Std Dev 1.178



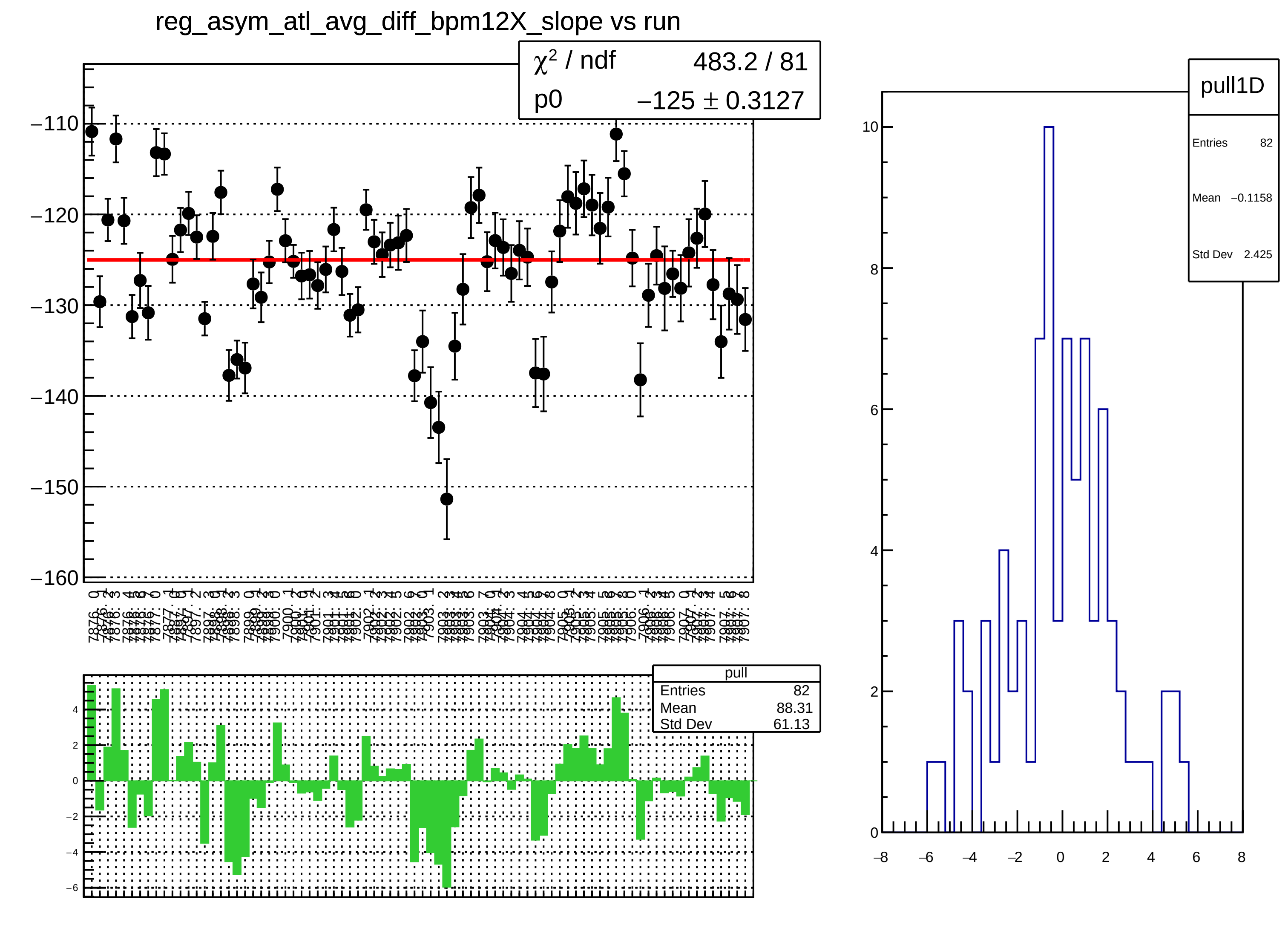
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 11.17 / 81
p0 31.5 ± 7.289
pull
Entries 82
Mean 70.17
Std Dev 30.2
pull1D
Entries 82
Mean 0.1014
Std Dev 0.3548



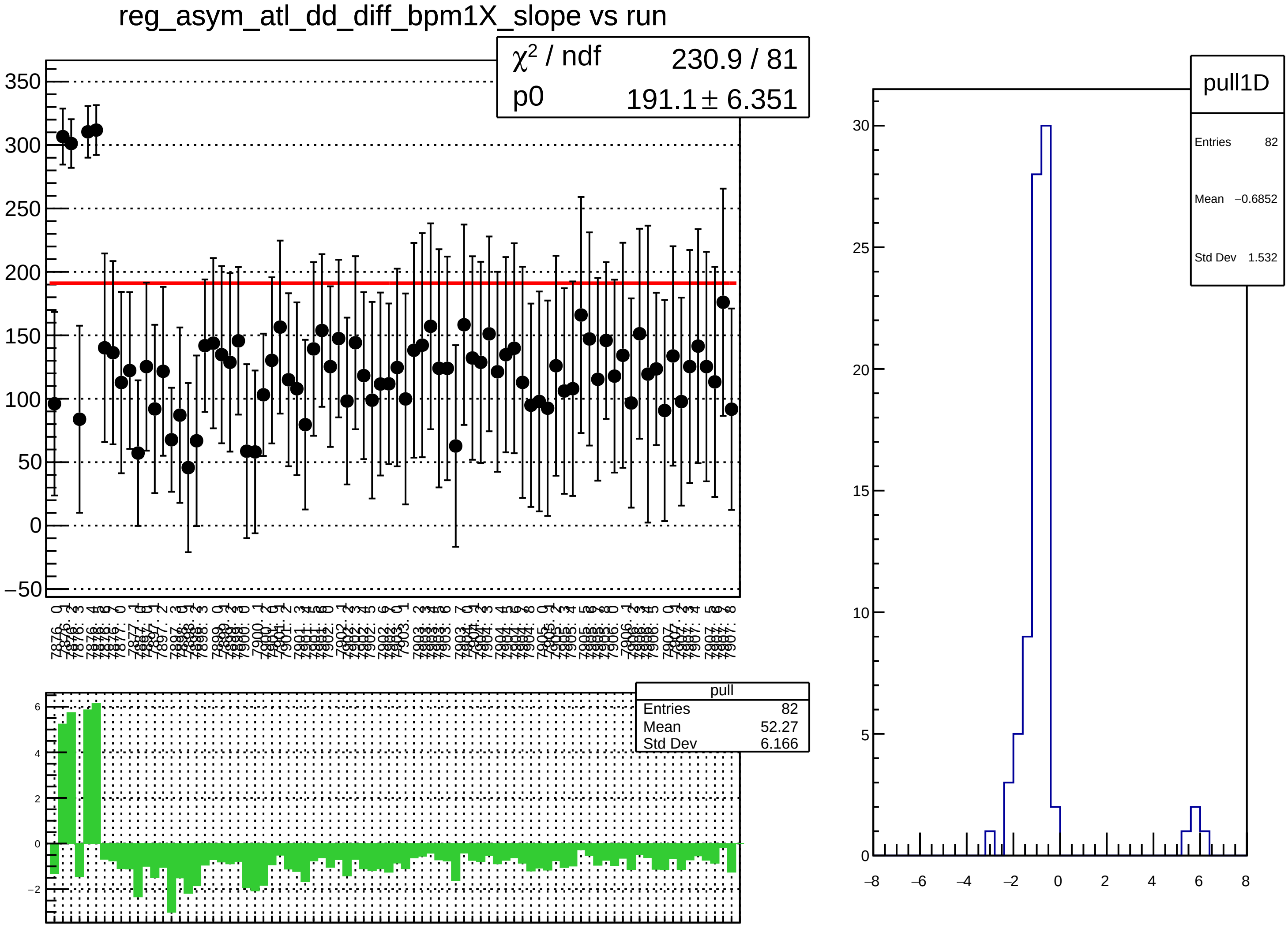
reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 180.6 / 81
p0 163.7 ± 5.479
300
250
200
150
100
50
0
−50
pull
Entries 82
Mean 44.72
Std Dev 14.64
4
2
0
−2
−4
pull1D
Entries 82
Mean −0.6447
Std Dev 1.337
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

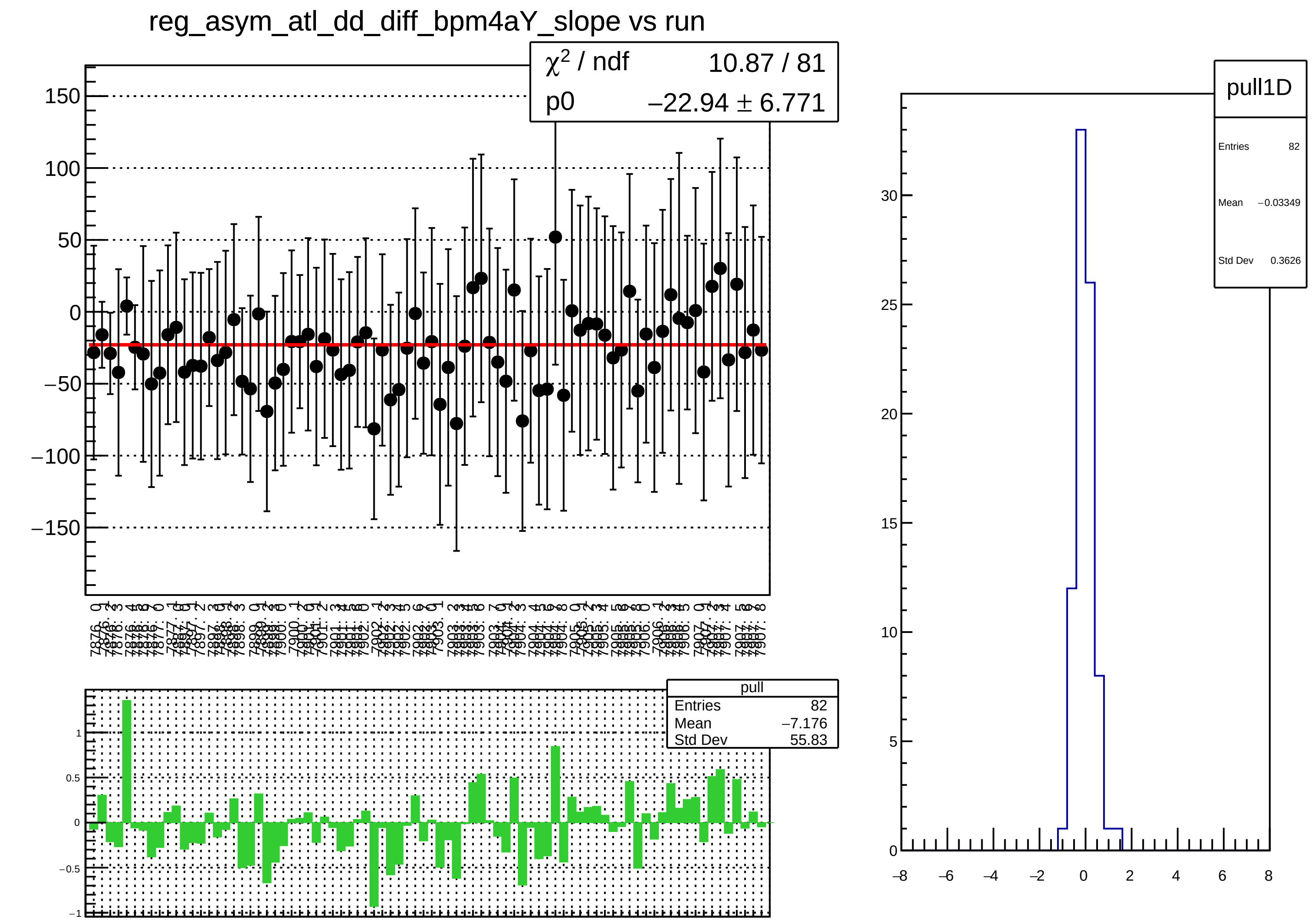


reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.198 / 81
p0 16.79 ± 9.149
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 86.73
Std Dev 49.19
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean −0.04427
Std Dev 0.3131
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

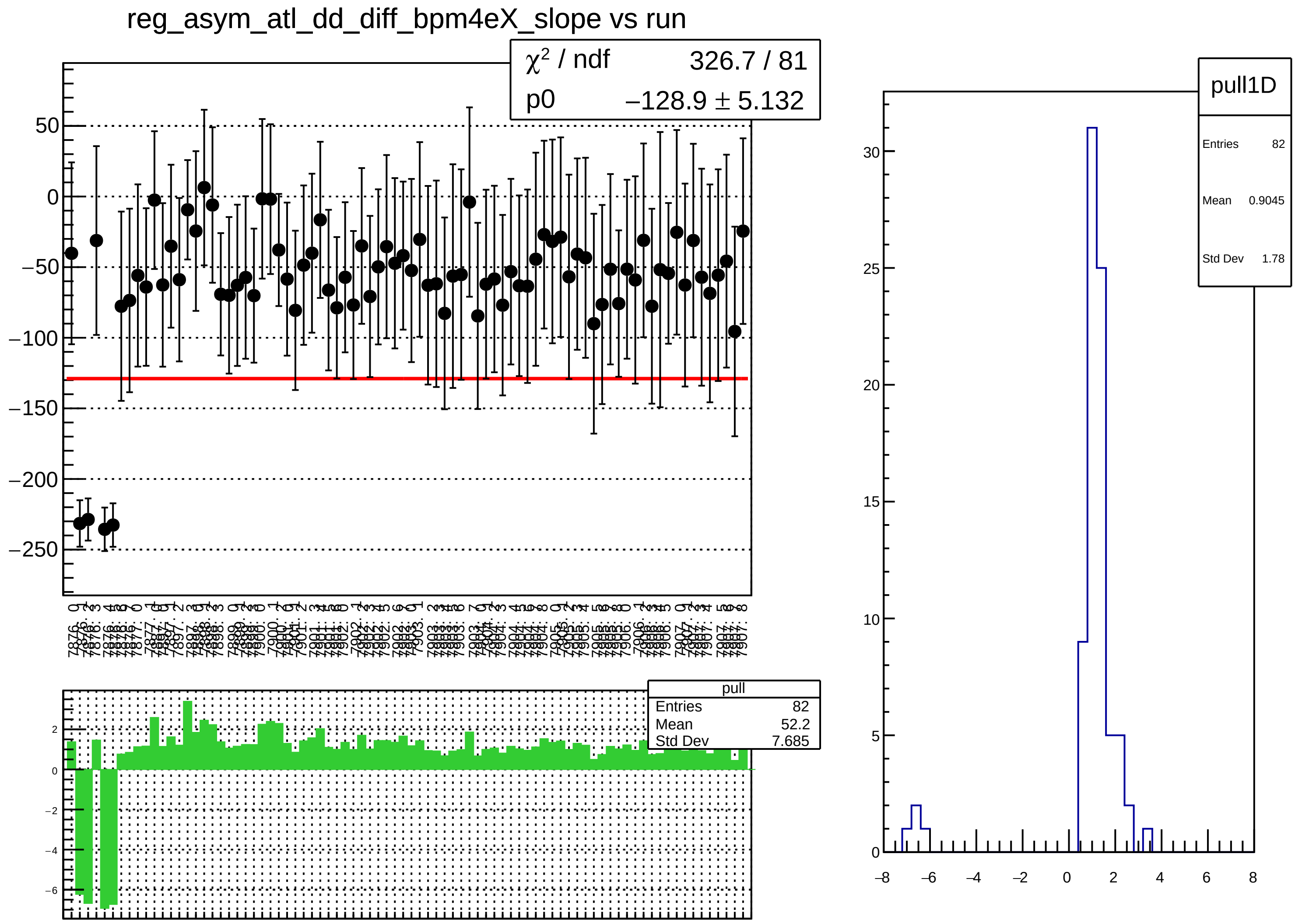


reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 483.2 / 81
p0 −125 ± 0.3127
pull
Entries 82
Mean 88.31
Std Dev 61.13
pull1D
Entries 82
Mean −0.1158
Std Dev 2.425

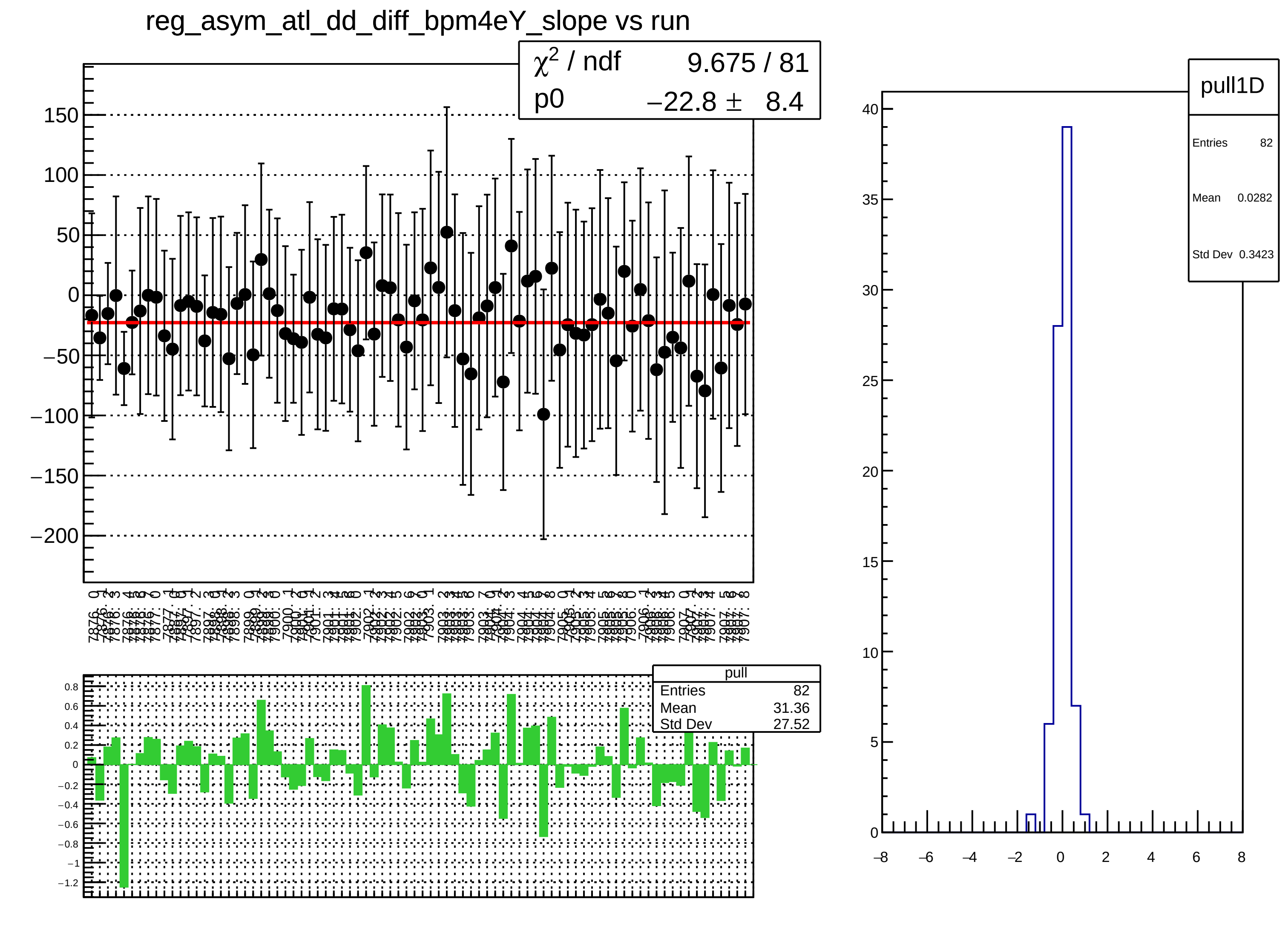

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 230.9 / 81
p0 191.1 ± 6.351
pull
Entries 82
Mean 52.27
Std Dev 6.166
pull1D
Entries 82
Mean −0.6852
Std Dev 1.532



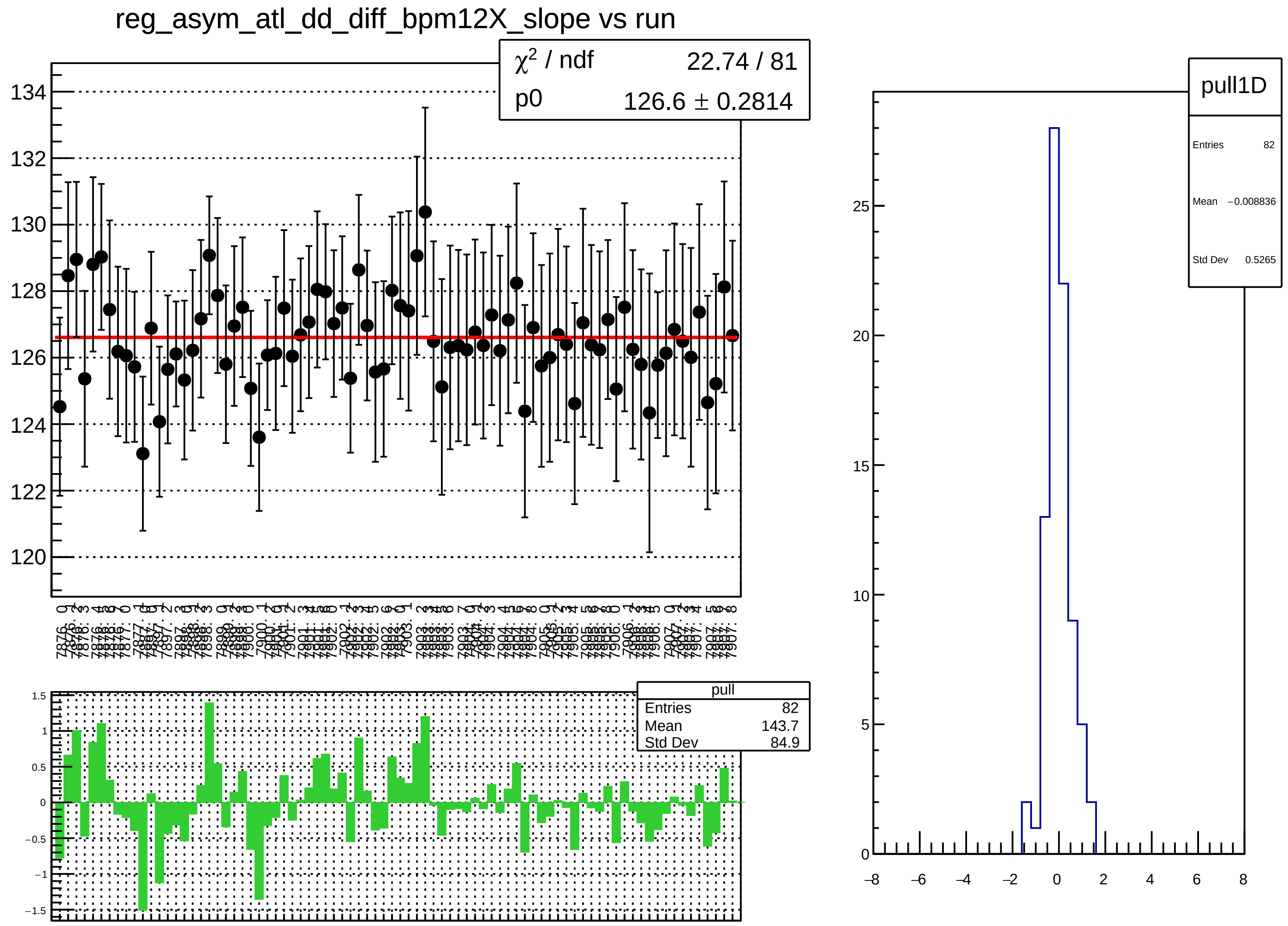
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.87 / 81
p0 −22.94 ± 6.771
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −7.176
Std Dev 55.83
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.03349
Std Dev 0.3626
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

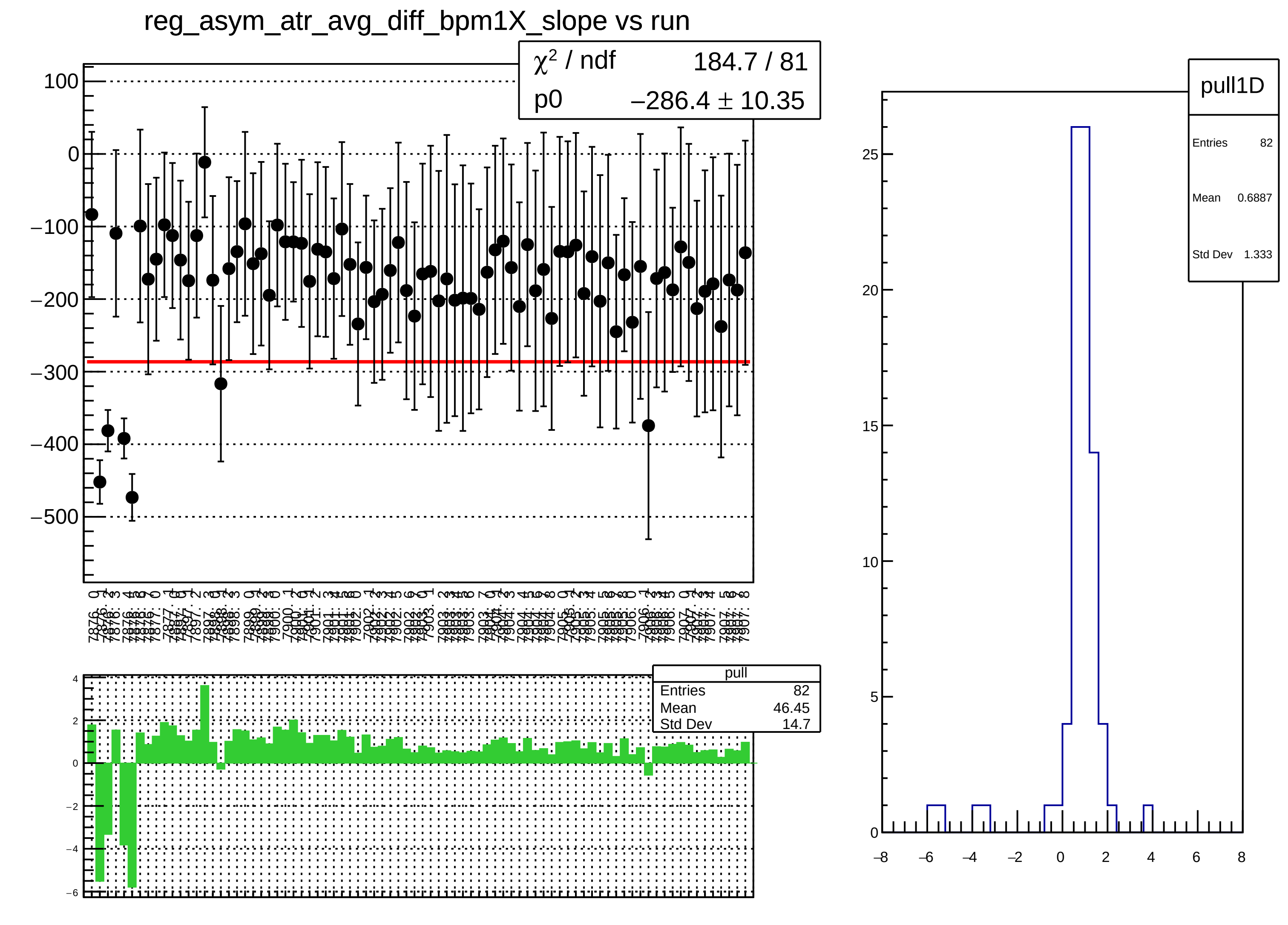


reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 326.7 / 81
p0 −128.9 ± 5.132
pull
Entries 82
Mean 52.2
Std Dev 7.685
pull1D
Entries 82
Mean 0.9045
Std Dev 1.78

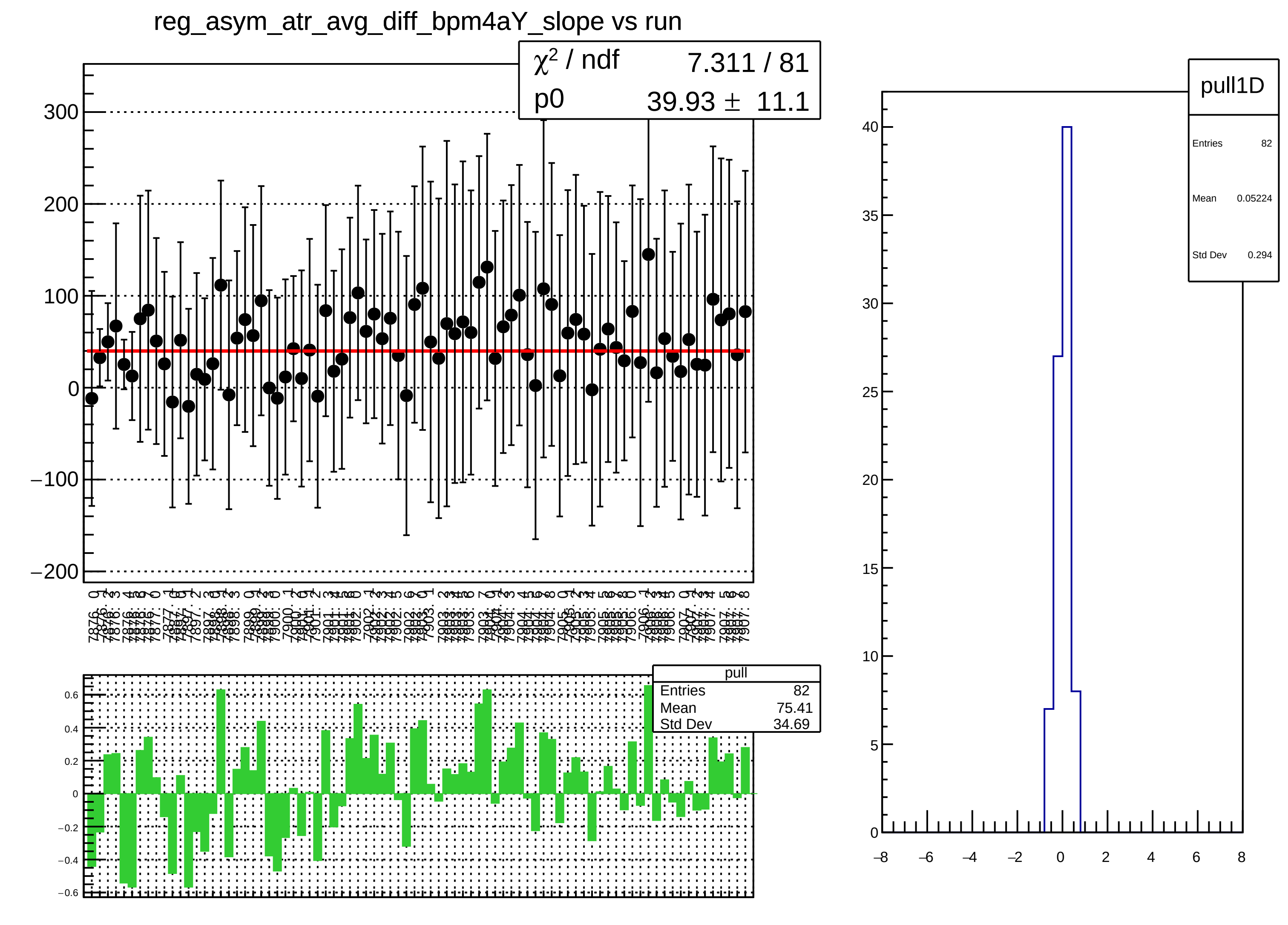


reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.675 / 81
p0 −22.8 ± 8.4
pull
Entries 82
Mean 31.36
Std Dev 27.52
pull1D
Entries 82
Mean 0.0282
Std Dev 0.3423

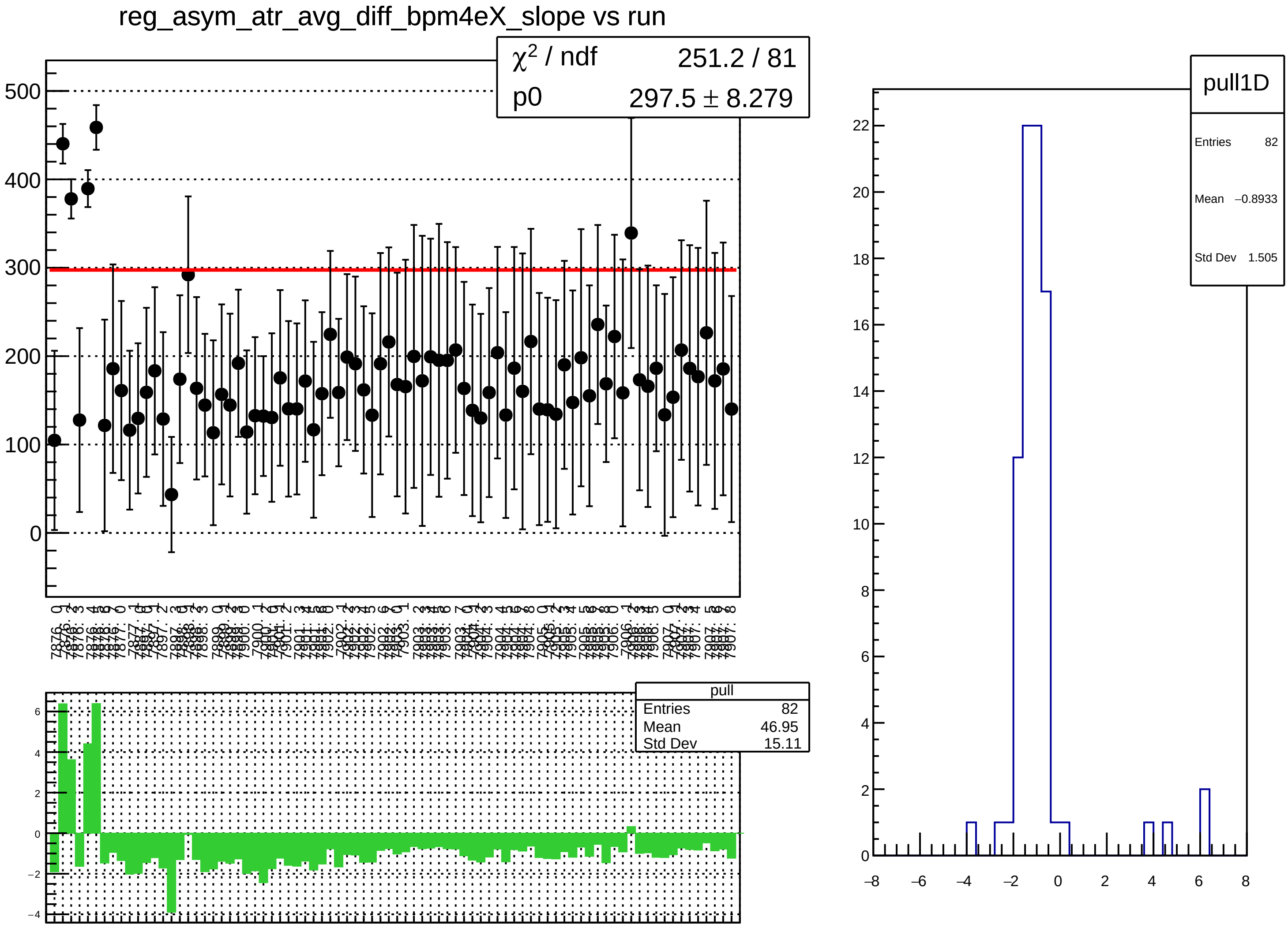

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ2 / ndf 22.74 / 81
p0 126.6 ± 0.2814
pull
Entries 82
Mean 143.7
Std Dev 84.9
pull1D
Entries 82
Mean −0.008836
Std Dev 0.5265



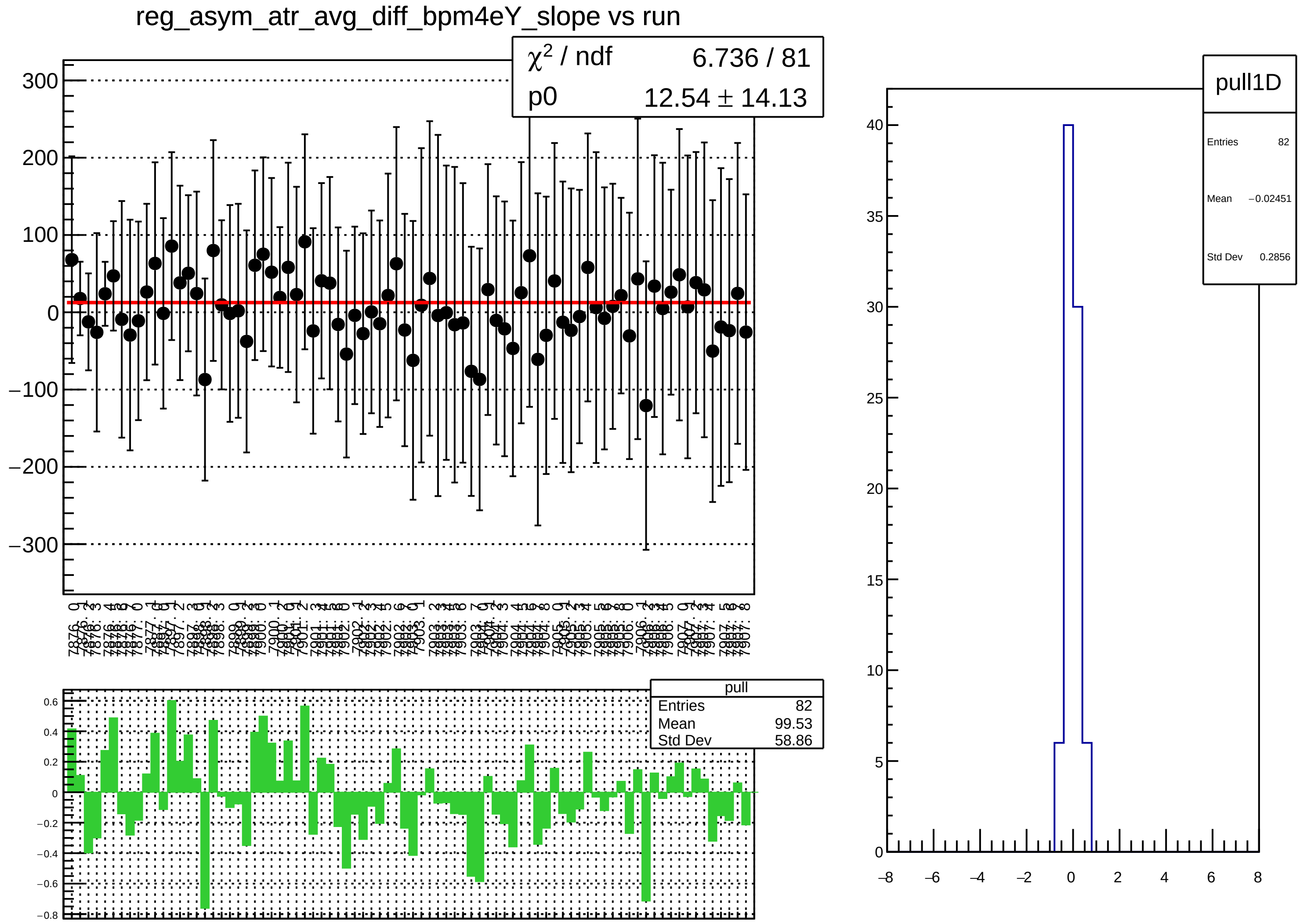
reg_asym_atr_avg_diff_bpm1X_slope vs run
χ2 / ndf 184.7 / 81
p0 −286.4 ± 10.35
pull
Entries 82
Mean 46.45
Std Dev 14.7
pull1D
Entries 82
Mean 0.6887
Std Dev 1.333



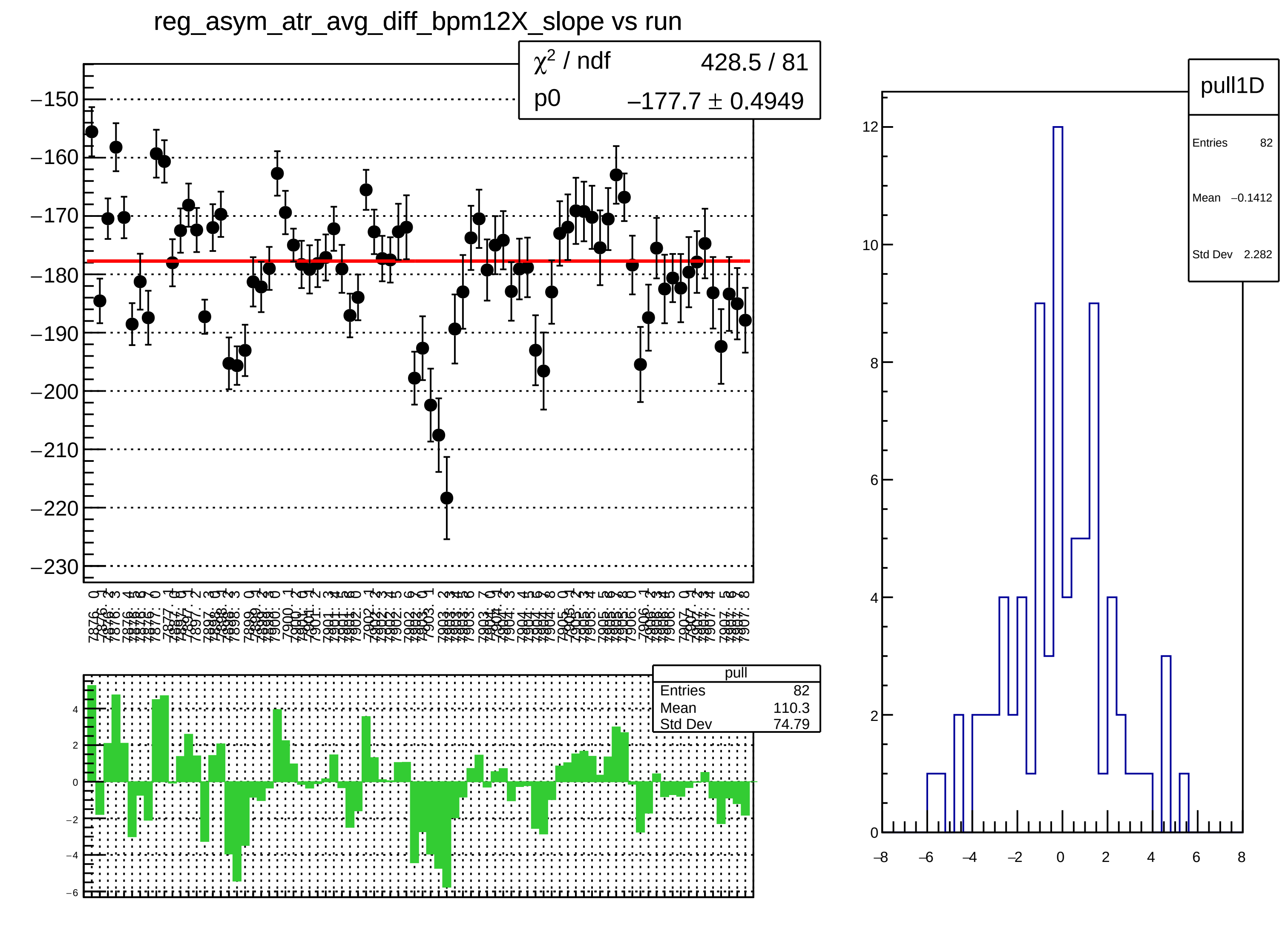
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.311 / 81
p0 39.93 ± 11.1
300
200
100
0
−100
−200
pull
Entries 82
Mean 75.41
Std Dev 34.69
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean 0.05224
Std Dev 0.294
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



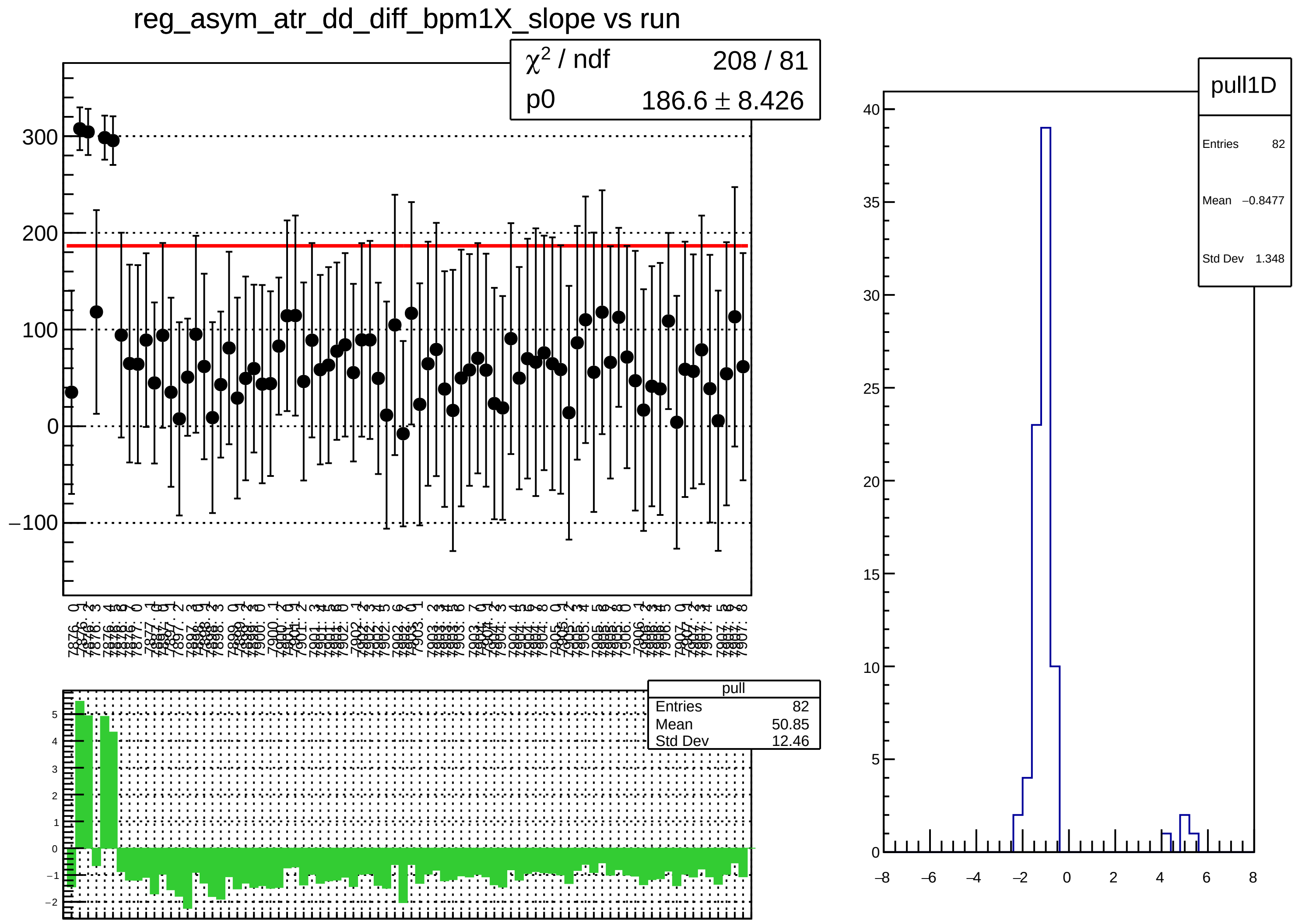
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 251.2 / 81
p0 297.5 ± 8.279
pull
Entries 82
Mean 46.95
Std Dev 15.11
pull1D
Entries 82
Mean −0.8933
Std Dev 1.505



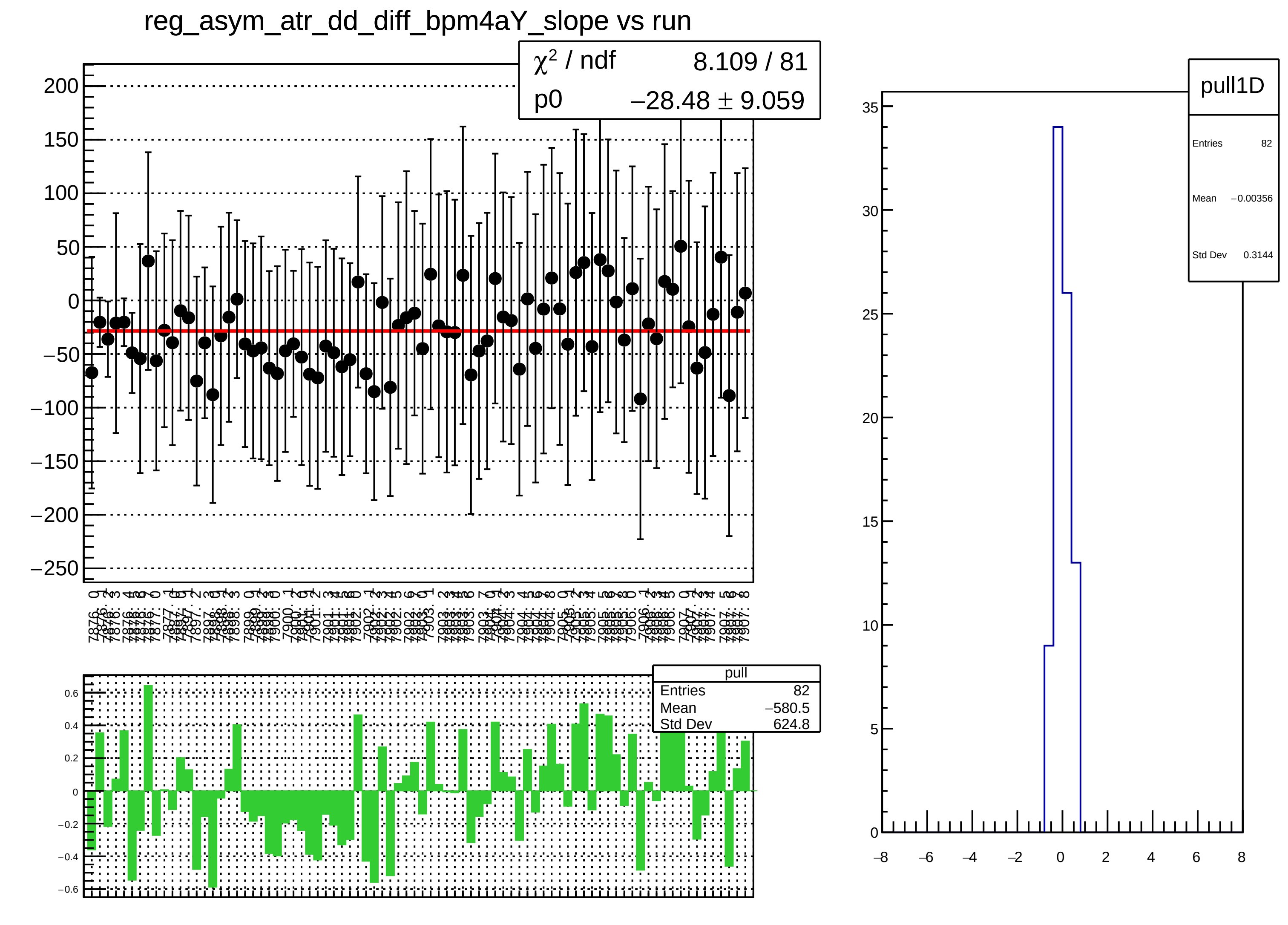
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ2 / ndf 6.736 / 81
p0 12.54 ± 14.13
pull
Entries 82
Mean 99.53
Std Dev 58.86
pull1D
Entries 82
Mean −0.02451
Std Dev 0.2856

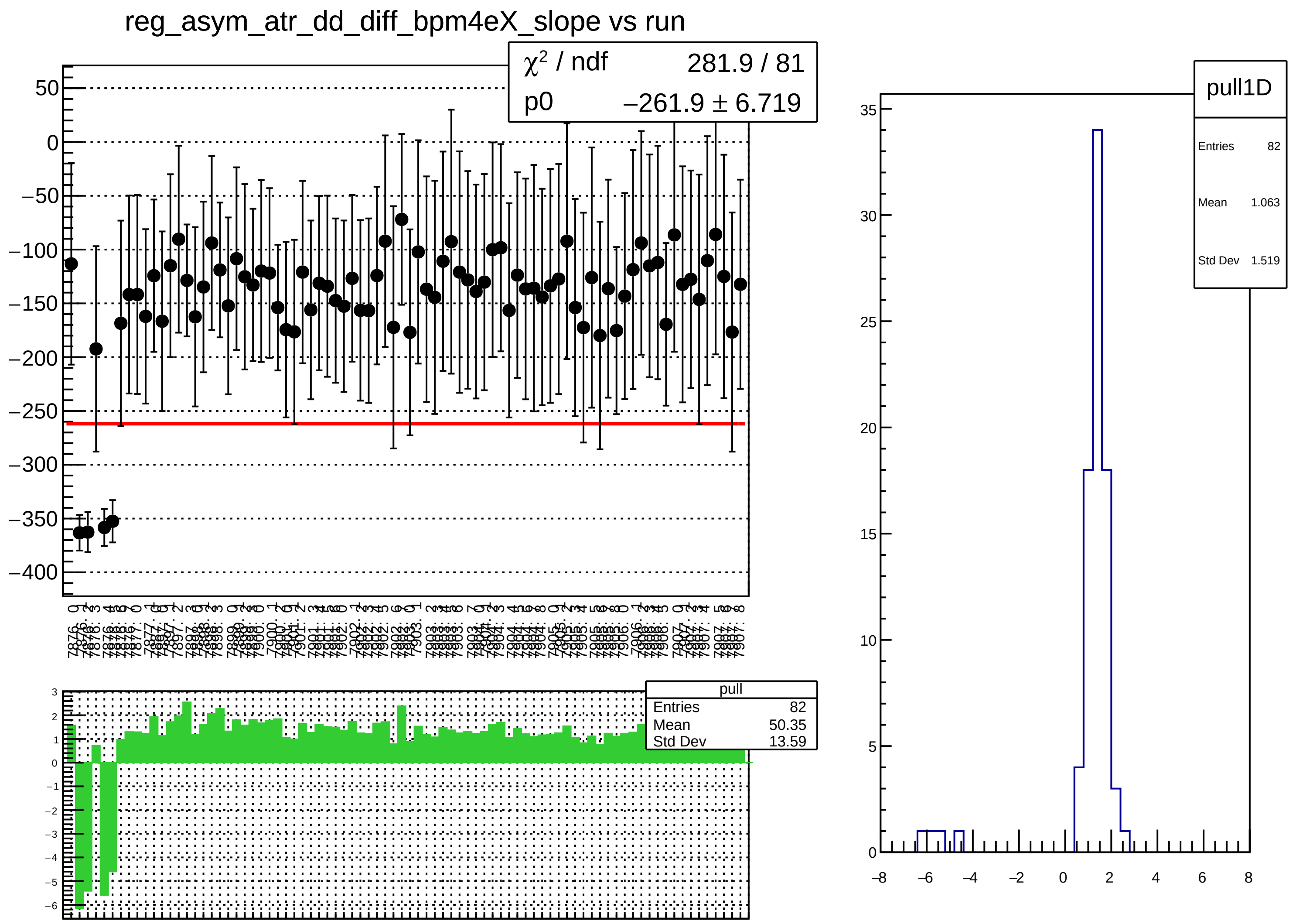


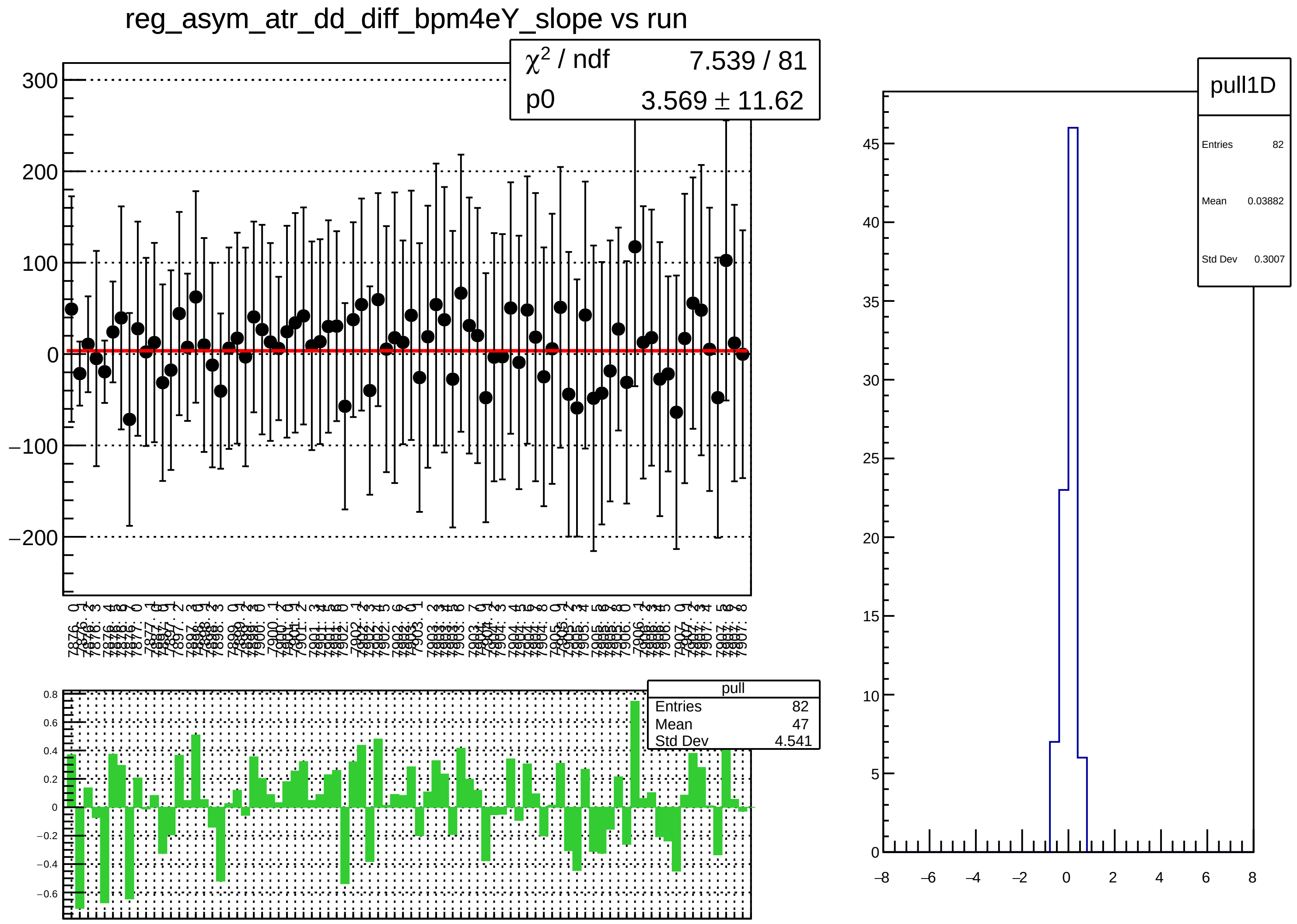
reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 428.5 / 81
p0 −177.7 ± 0.4949
pull
Entries 82
Mean 110.3
Std Dev 74.79
pull1D
Entries 82
Mean −0.1412
Std Dev 2.282



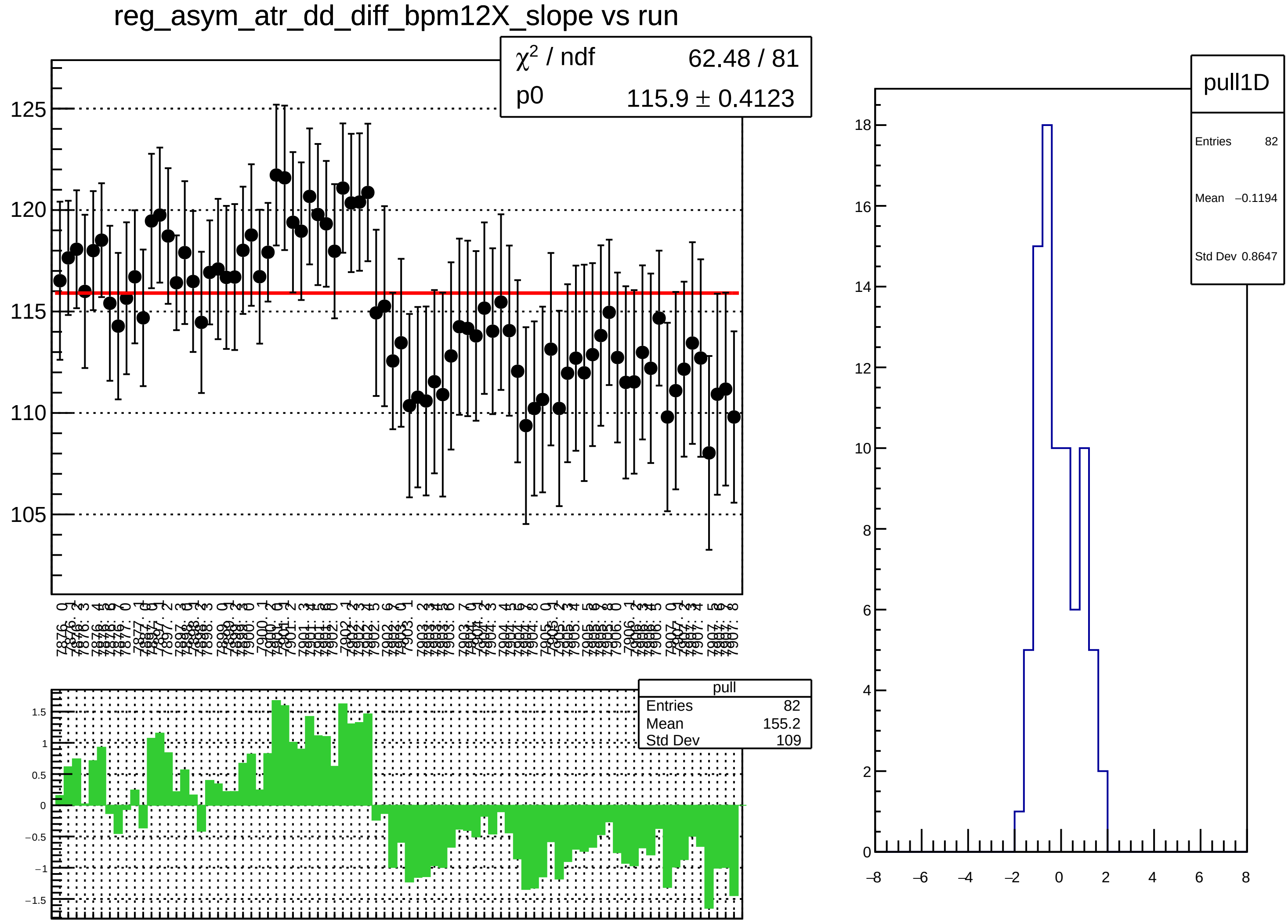
reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 208 / 81
p0 186.6 ± 8.426
pull
Entries 82
Mean 50.85
Std Dev 12.46
pull1D
Entries 82
Mean −0.8477
Std Dev 1.348


reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ2 / 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

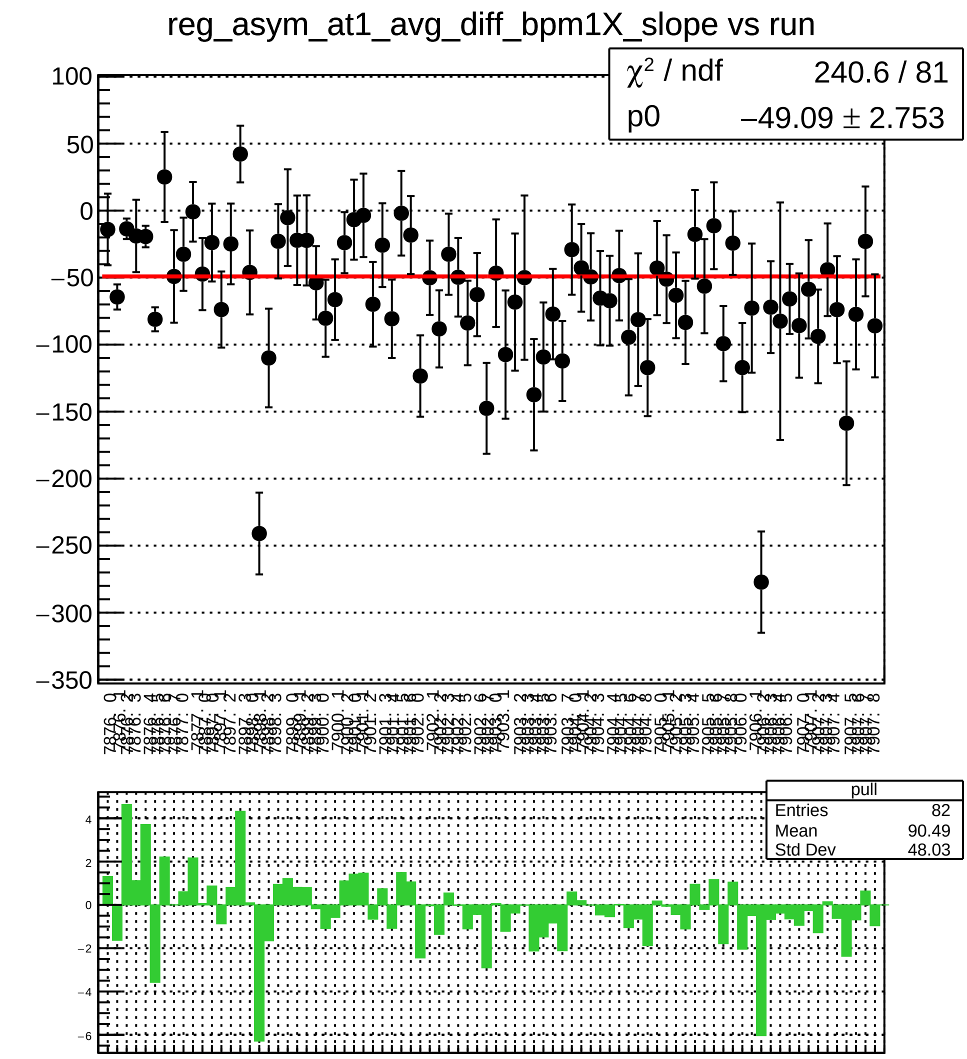

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ2 / ndf 281.9 / 81
p0 −261.9 ± 6.719
pull
Entries 82
Mean 50.35
Std Dev 13.59
pull1D
Entries 82
Mean 1.063
Std Dev 1.519



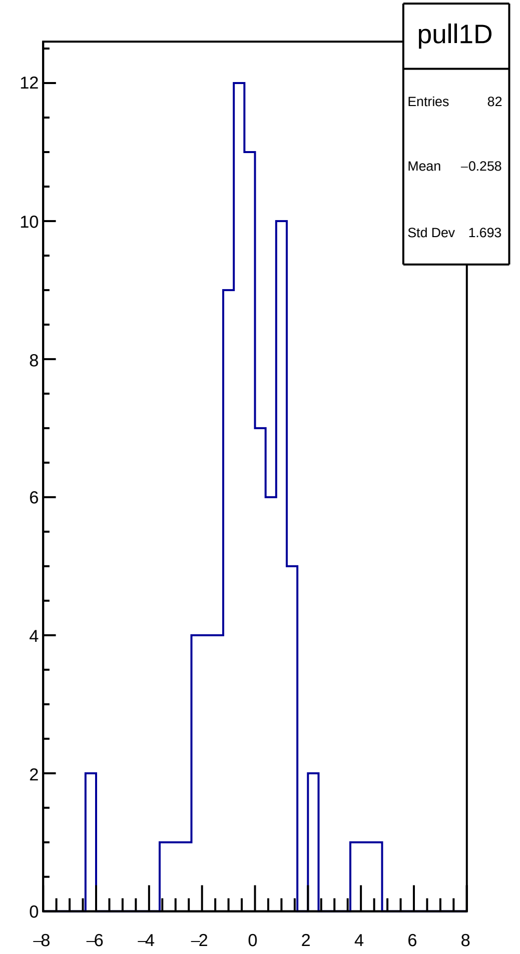
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.539 / 81
p0 3.569 ± 11.62
pull
Entries 82
Mean 47
Std Dev 4.541
pull1D
Entries 82
Mean 0.03882
Std Dev 0.3007



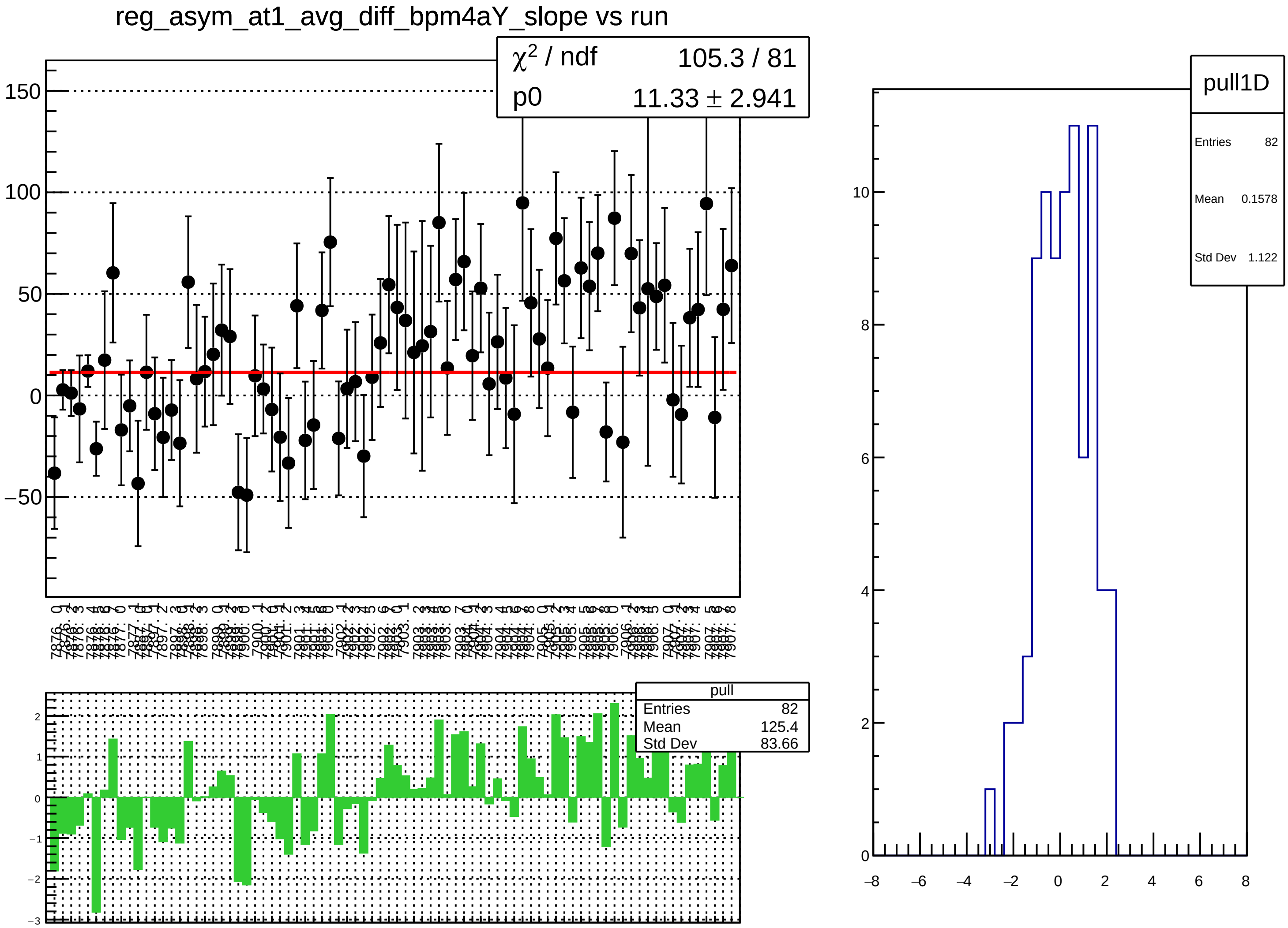
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 62.48 / 81
p0 115.9 ± 0.4123
125
120
115
110
105
pull
Entries 82
Mean 155.2
Std Dev 109
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.1194
Std Dev 0.8647
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



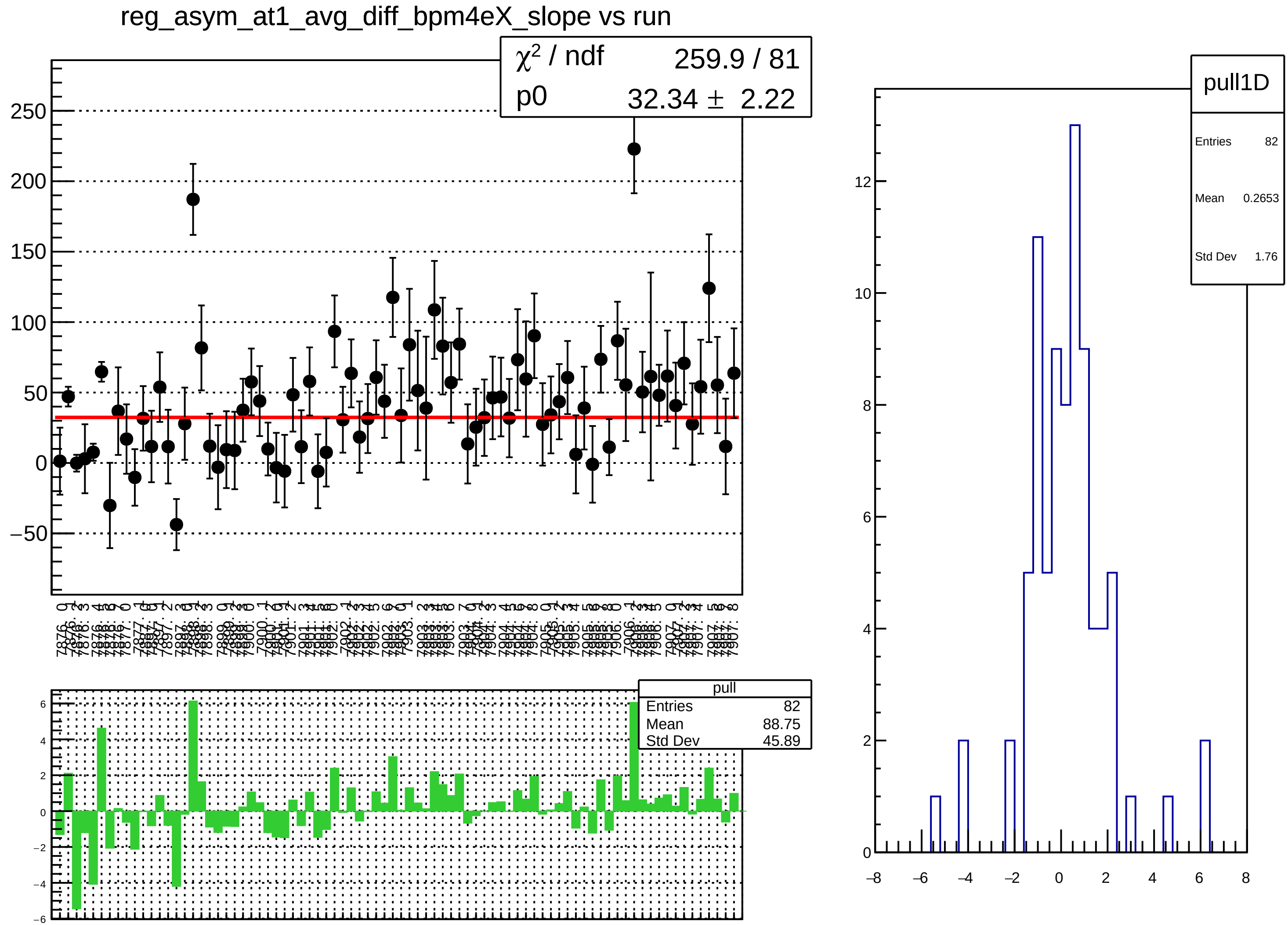
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 240.6 / 81
p0 −49.09 ± 2.753
pull
Entries 82
Mean 90.49
Std Dev 48.03



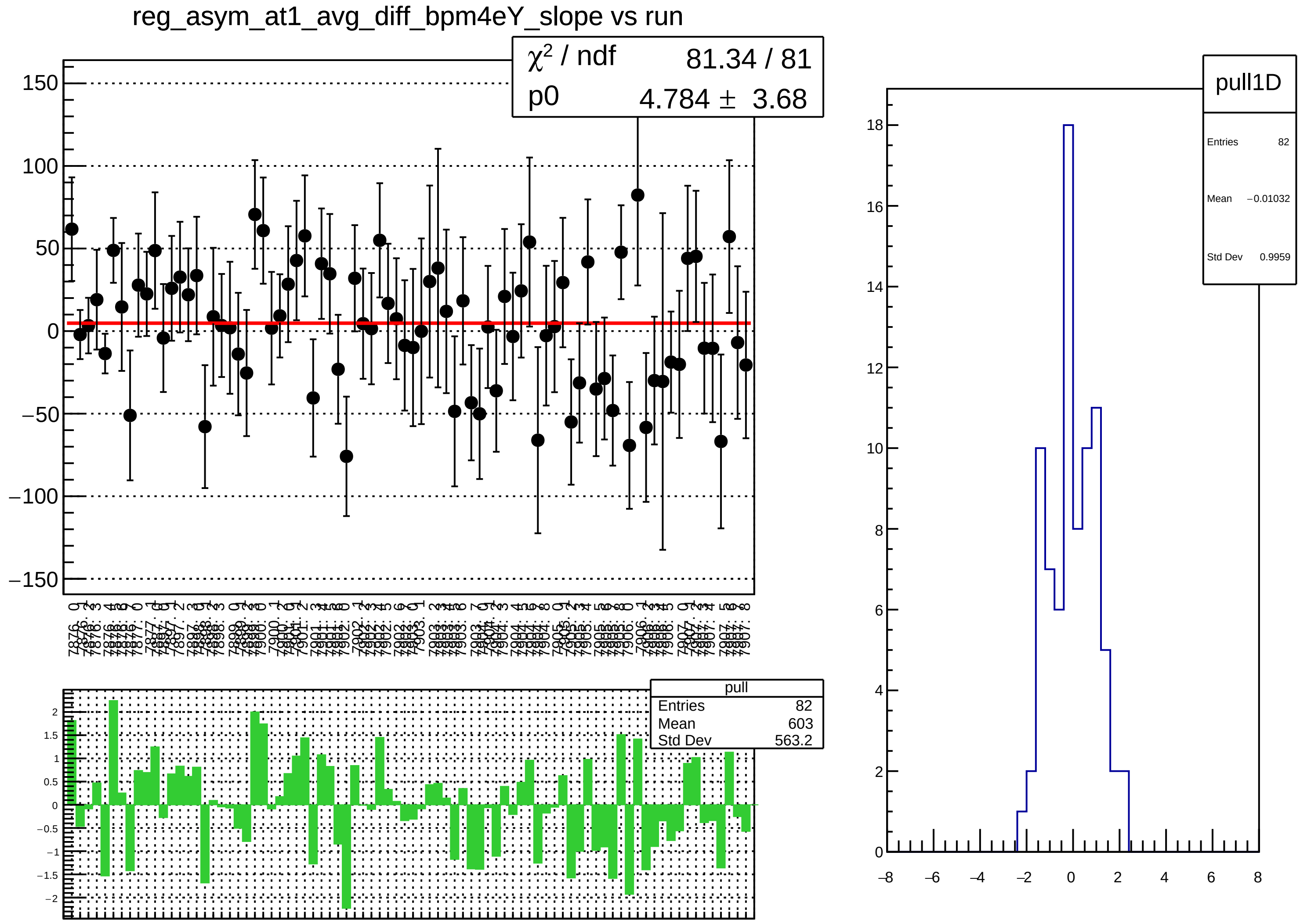
pull1D
Entries 82
Mean −0.258
Std Dev 1.693



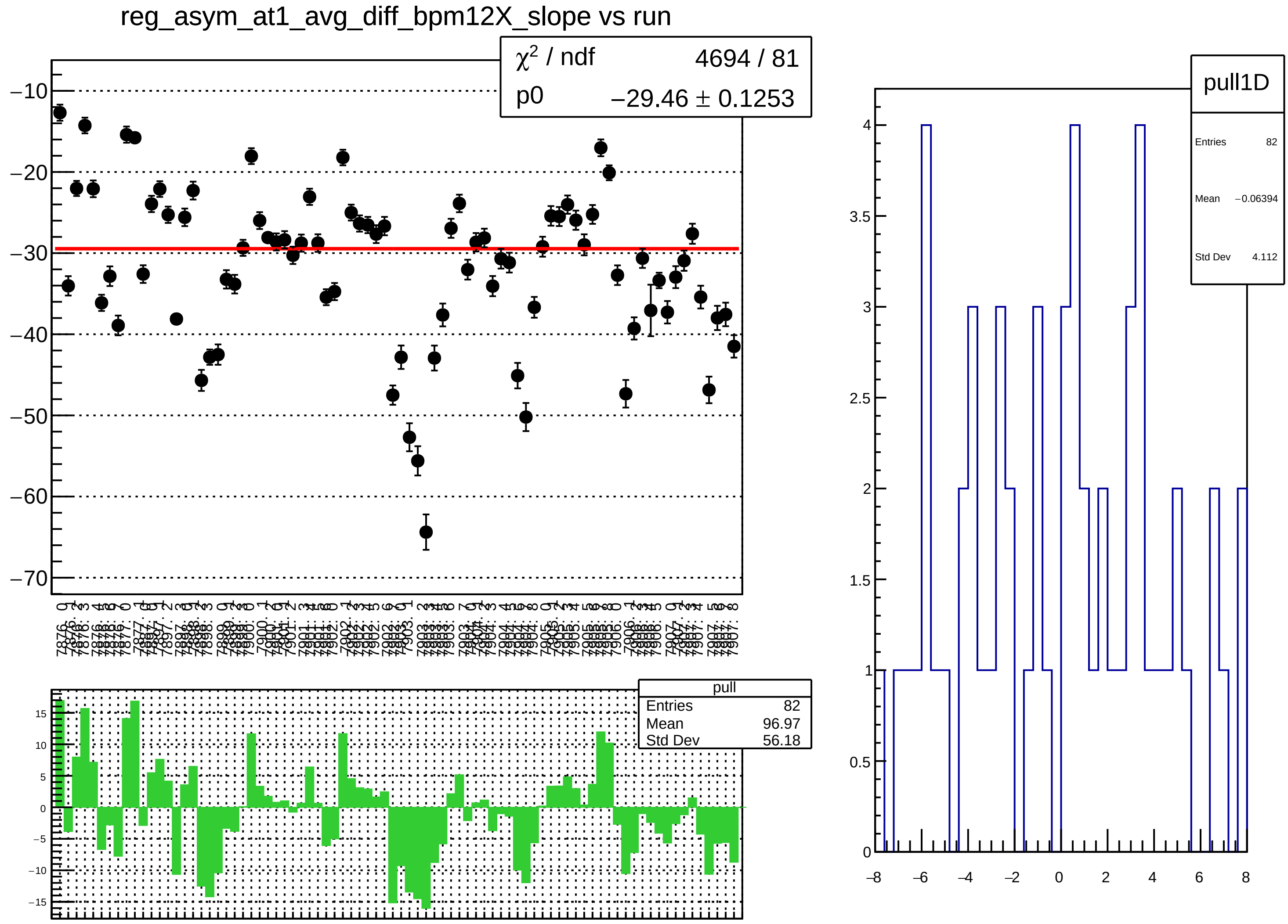
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 105.3 / 81
p0 11.33 ± 2.941
pull
Entries 82
Mean 125.4
Std Dev 83.66
pull1D
Entries 82
Mean 0.1578
Std Dev 1.122



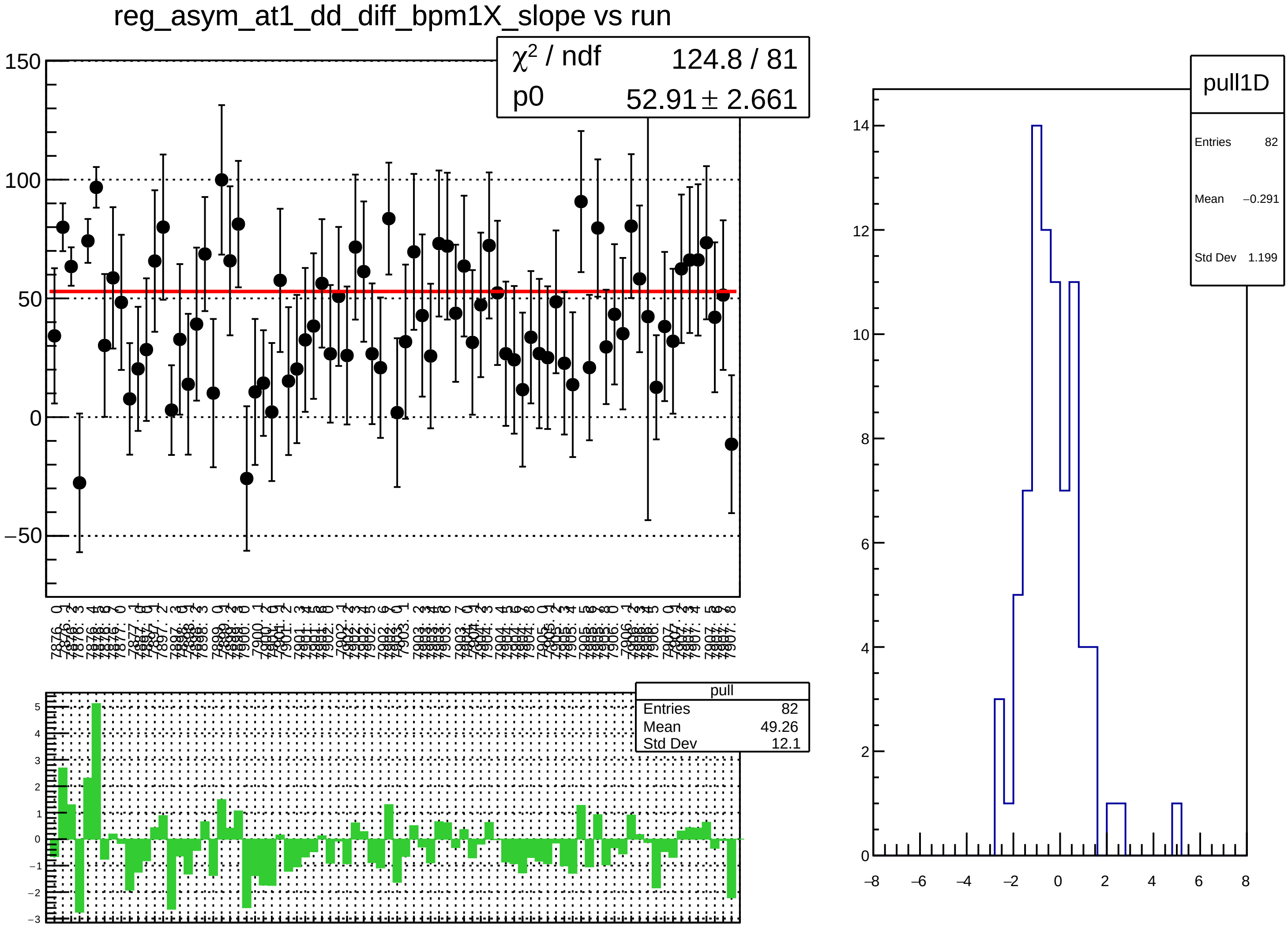
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 259.9 / 81
p0 32.34 ± 2.22
pull
Entries 82
Mean 88.75
Std Dev 45.89
pull1D
Entries 82
Mean 0.2653
Std Dev 1.76



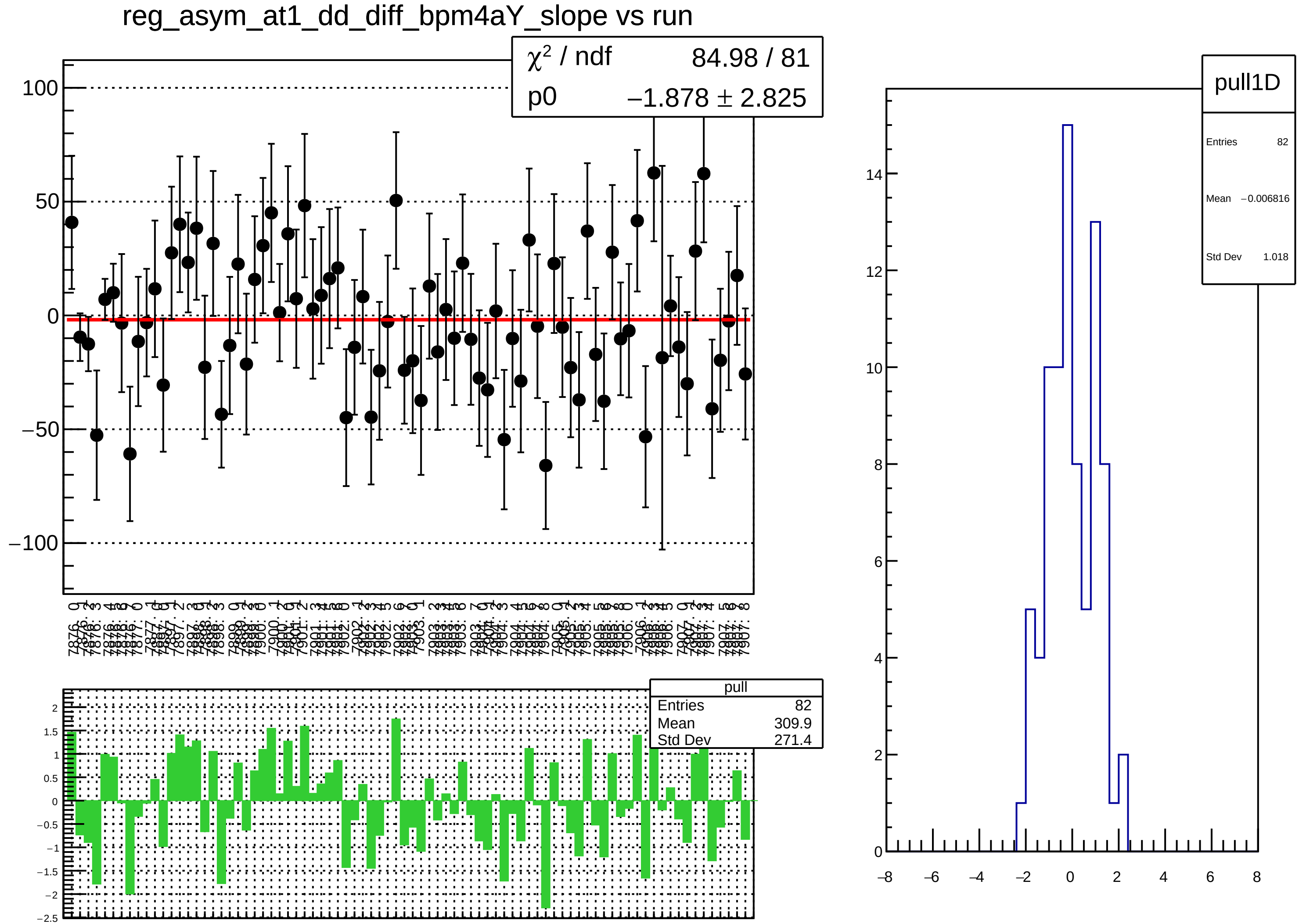
reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 81.34 / 81
p0 4.784 ± 3.68
pull
Entries 82
Mean 603
Std Dev 563.2
pull1D
Entries 82
Mean −0.01032
Std Dev 0.9959



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

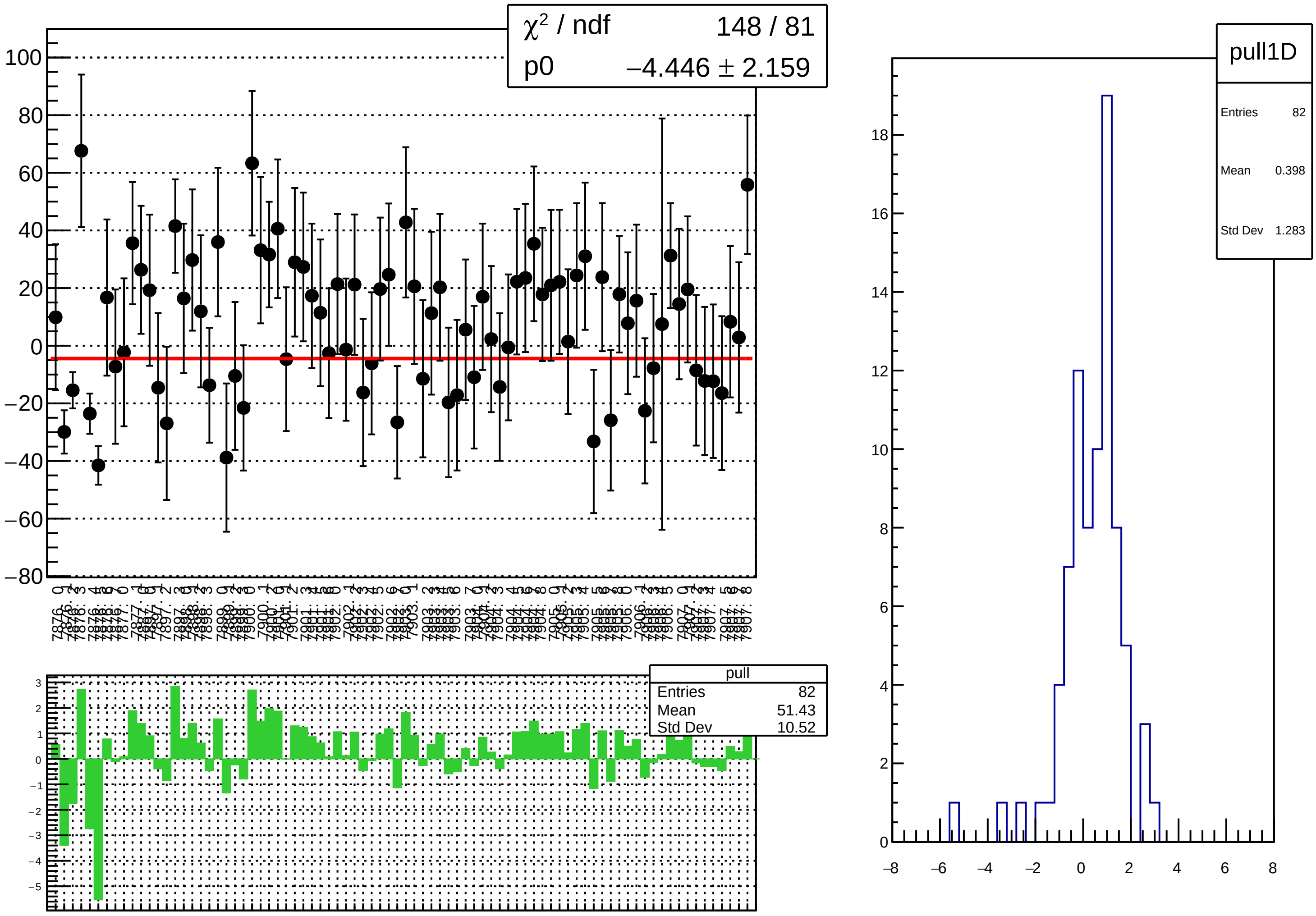


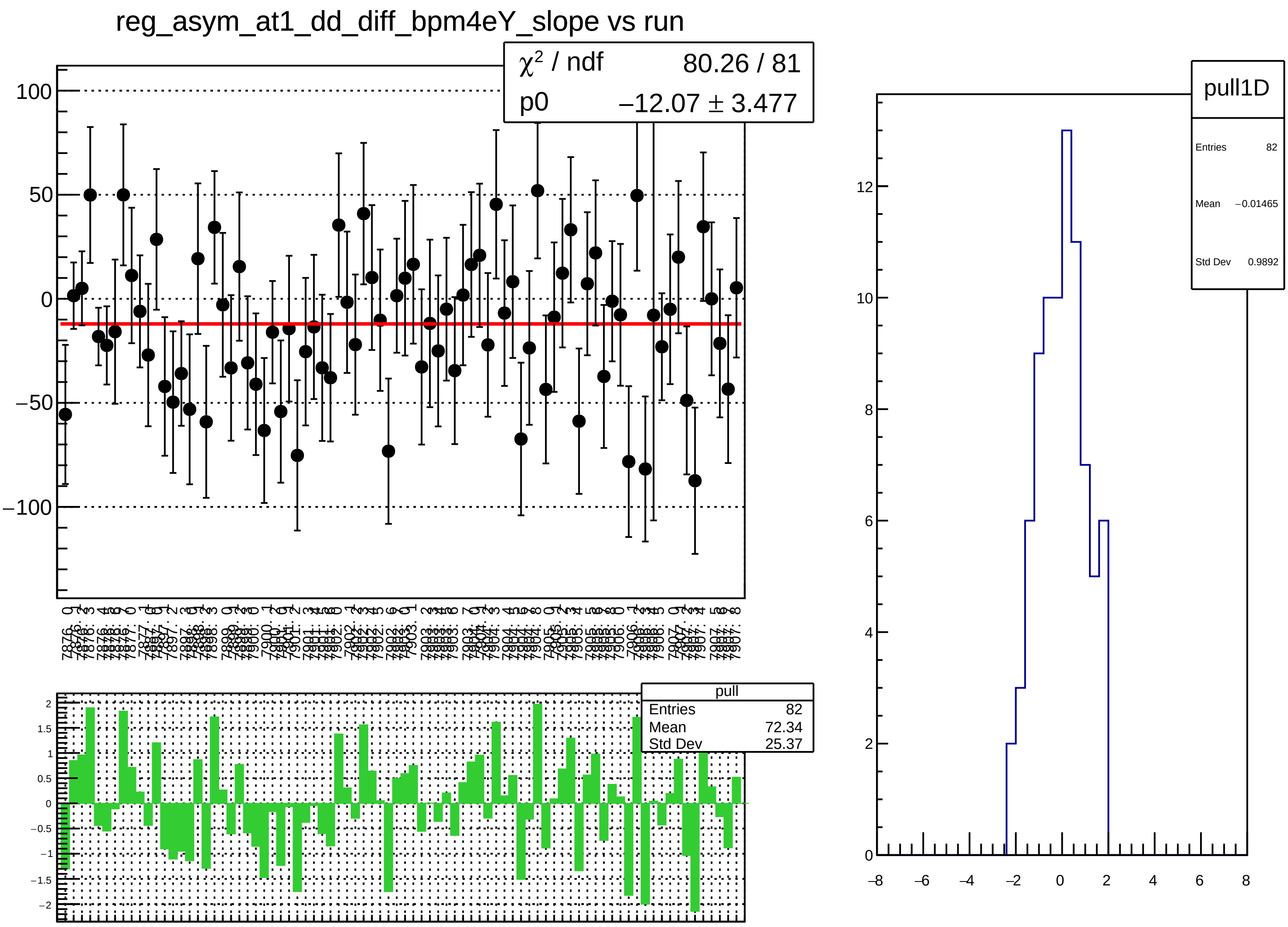
reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 124.8 / 81
p0 52.91 ± 2.661
pull
Entries 82
Mean 49.26
Std Dev 12.1
pull1D
Entries 82
Mean −0.291
Std Dev 1.199



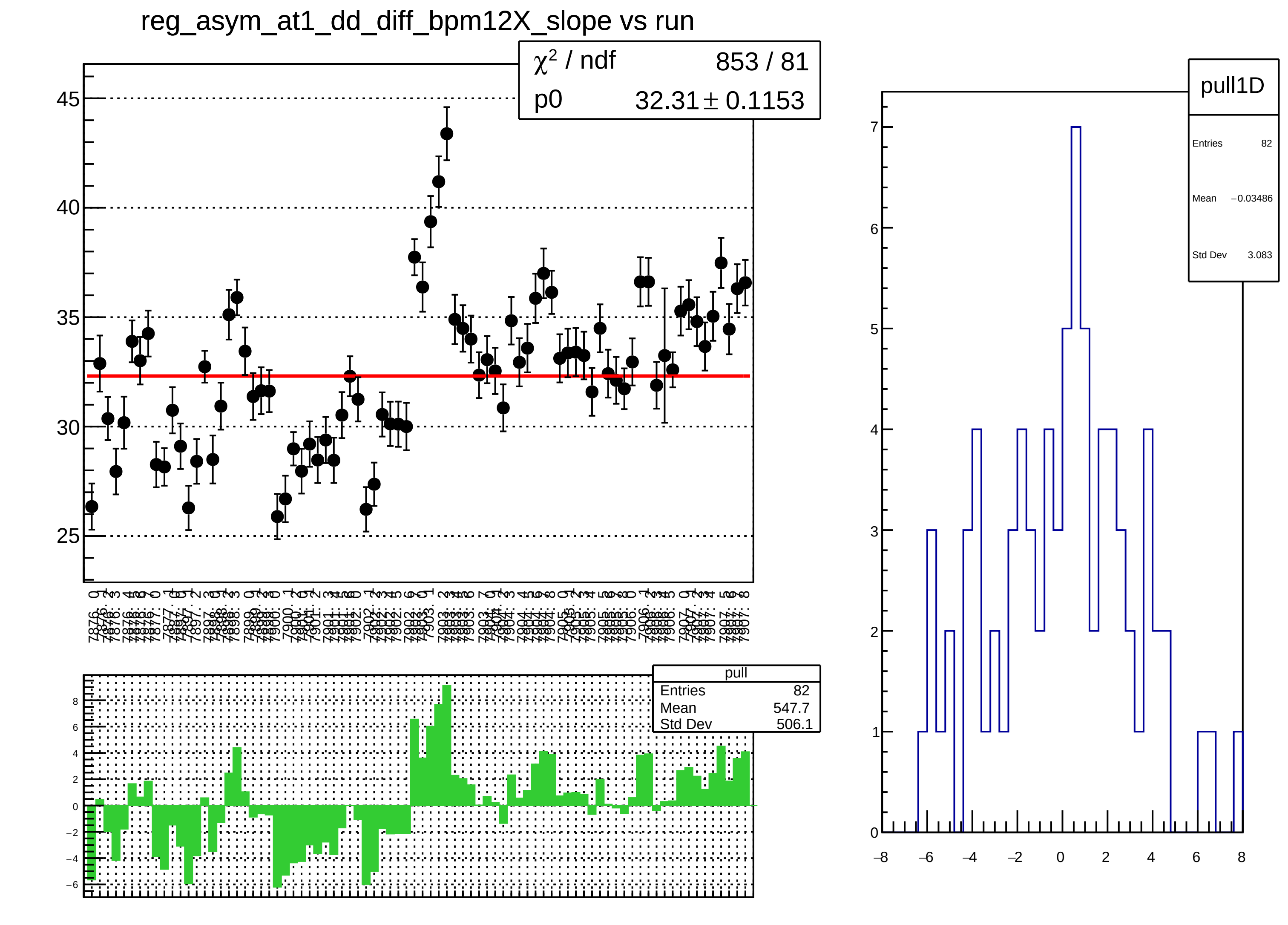
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 84.98 / 81
p0 −1.878 ± 2.825
pull
Entries 82
Mean 309.9
Std Dev 271.4
pull1D
Entries 82
Mean −0.006816
Std Dev 1.018

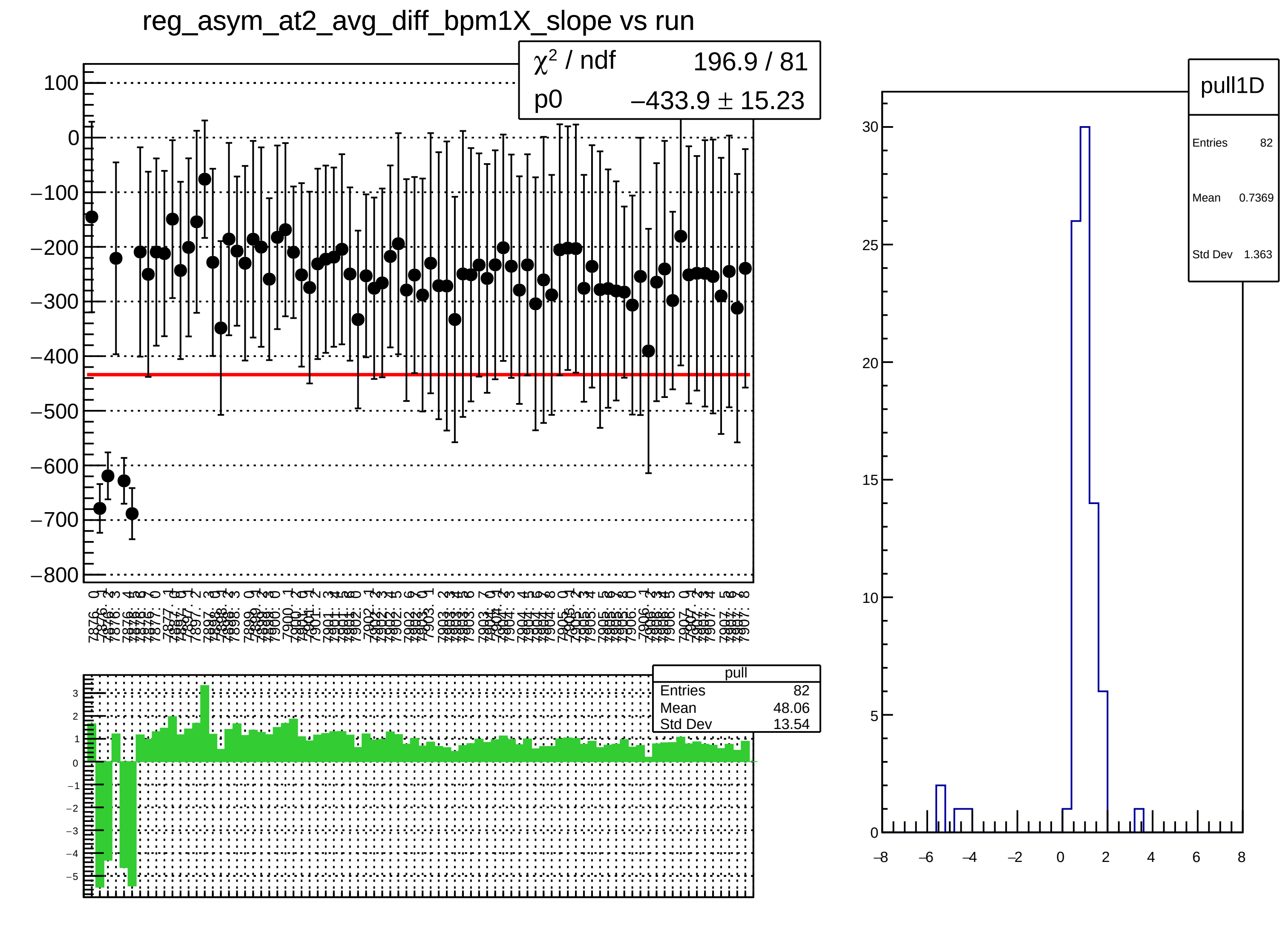
reg_asym_at1_dd_diff_bpm4eX_slope vs run



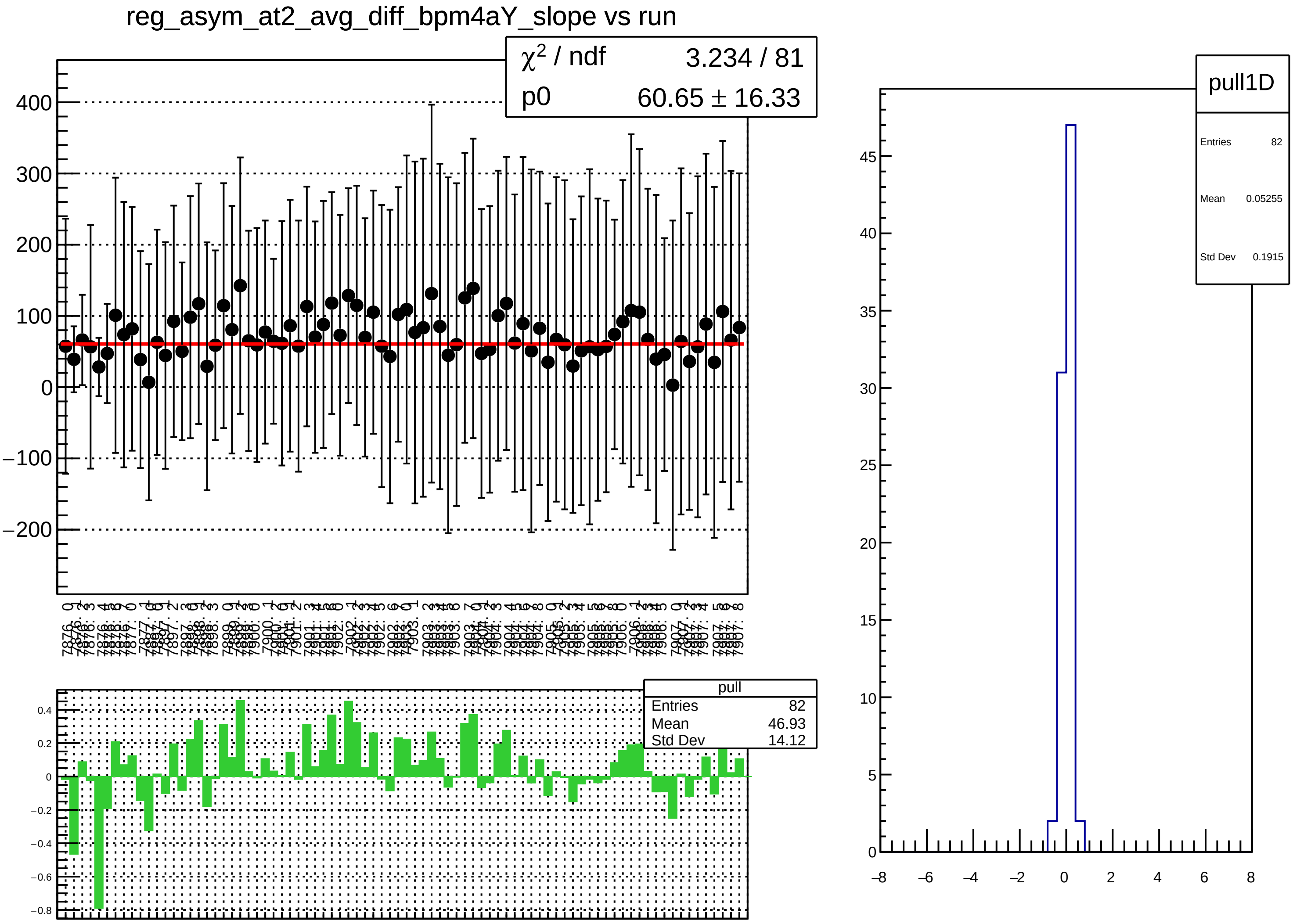


reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ2 / ndf 80.26 / 81
p0 −12.07 ± 3.477
pull
Entries 82
Mean 72.34
Std Dev 25.37
pull1D
Entries 82
Mean −0.01465
Std Dev 0.9892

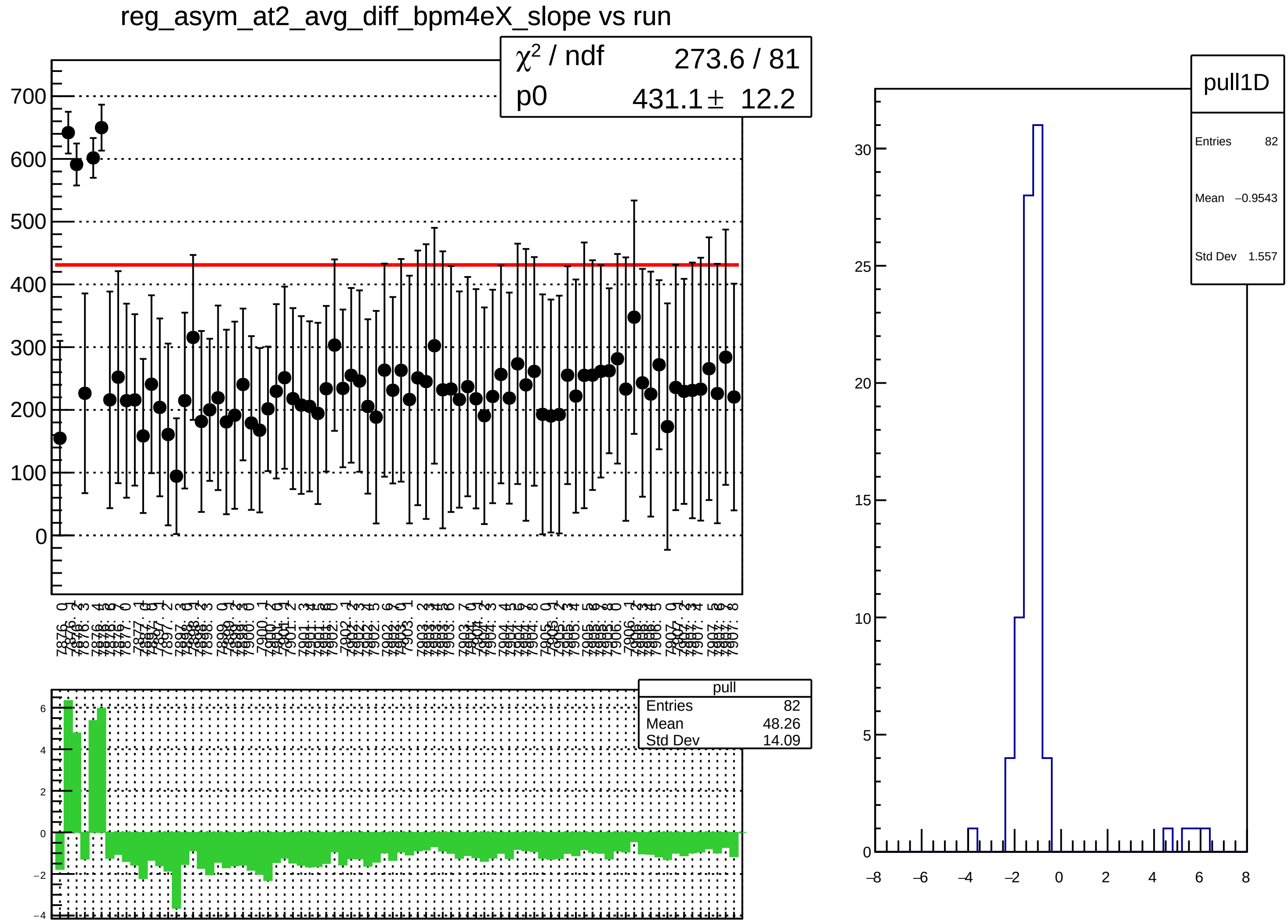

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ2 / ndf 853 / 81
p0 32.31 ± 0.1153
pull
Entries 82
Mean 547.7
Std Dev 506.1
pull1D
Entries 82
Mean −0.03486
Std Dev 3.083



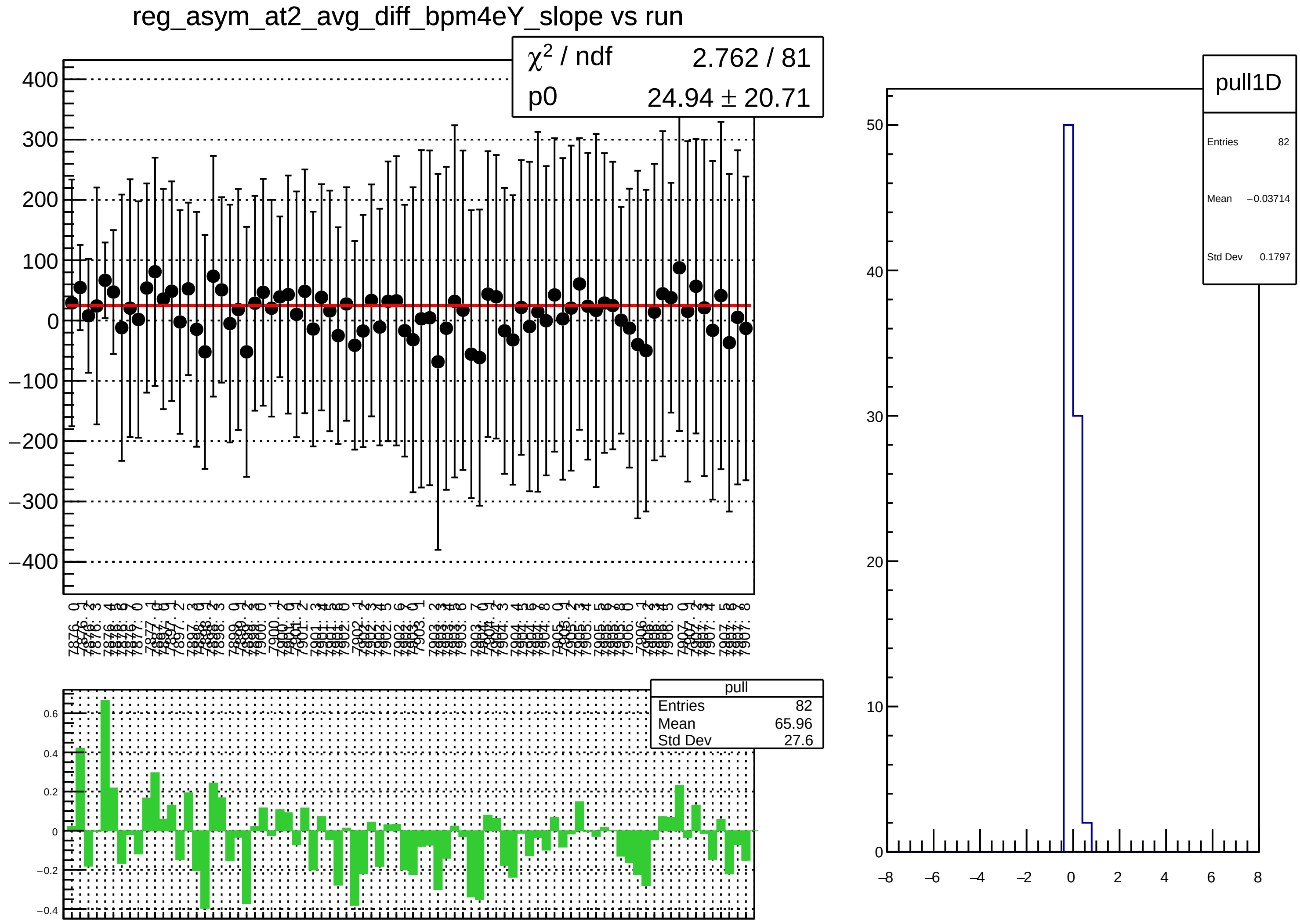
reg_asym_at2_avg_diff_bpm1X_slope vs run
χ2 / ndf 196.9 / 81
p0 −433.9 ± 15.23
pull
Entries 82
Mean 48.06
Std Dev 13.54
pull1D
Entries 82
Mean 0.7369
Std Dev 1.363



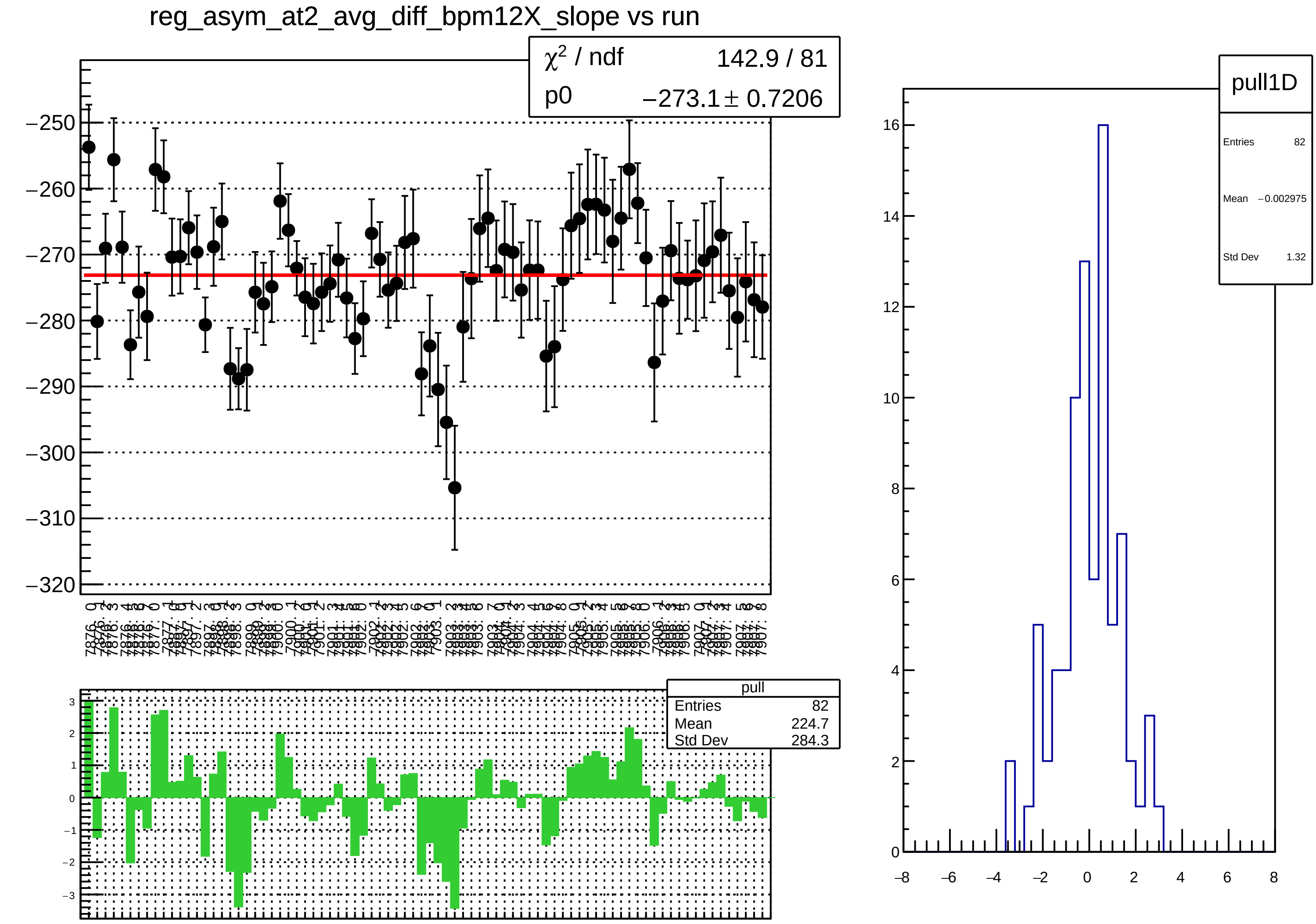
reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.234 / 81
p0 60.65 ± 16.33
pull
Entries 82
Mean 46.93
Std Dev 14.12
pull1D
Entries 82
Mean 0.05255
Std Dev 0.1915



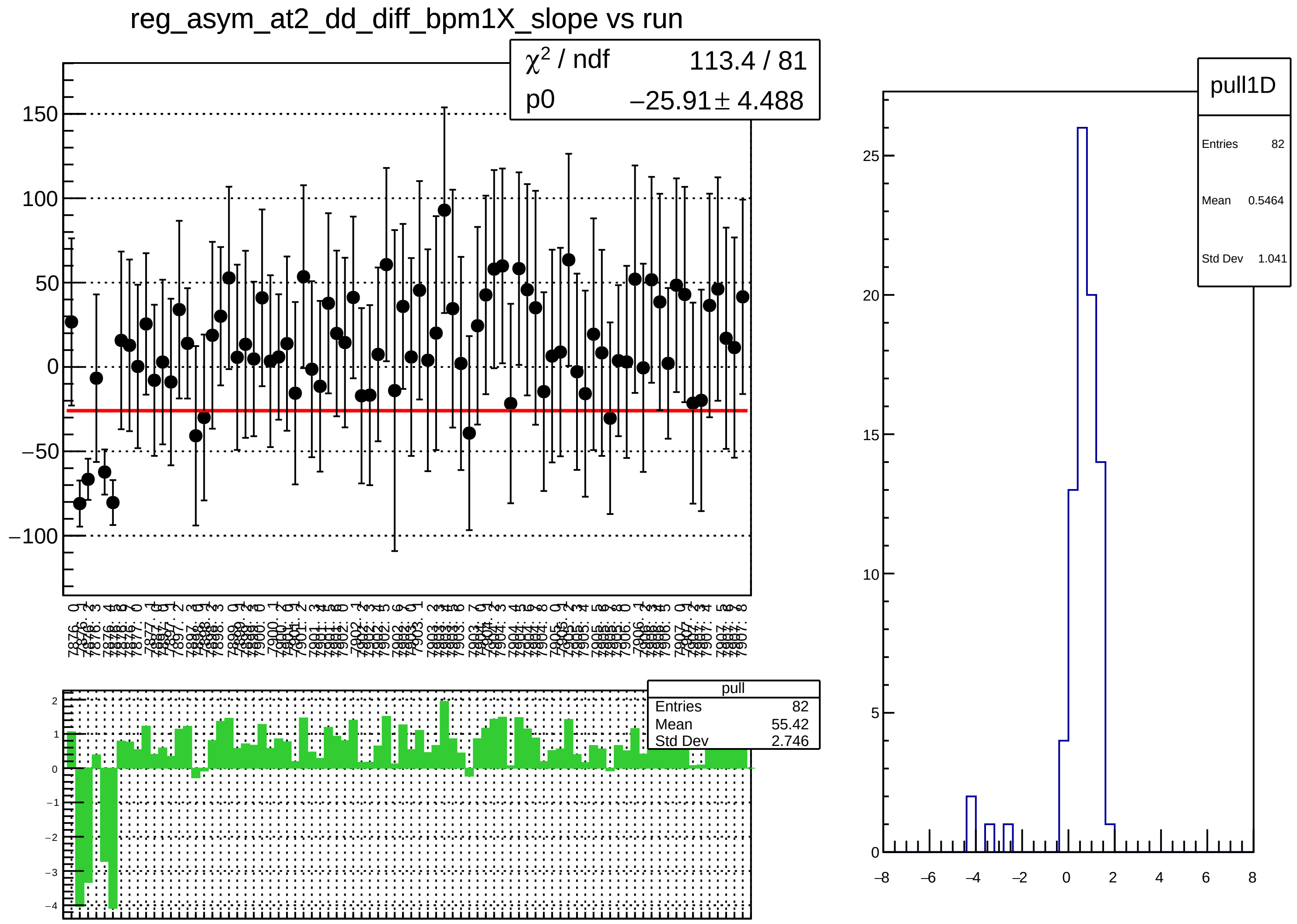
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 273.6 / 81
p0 431.1 ± 12.2
pull
Entries 82
Mean 48.26
Std Dev 14.09
pull1D
Entries 82
Mean −0.9543
Std Dev 1.557



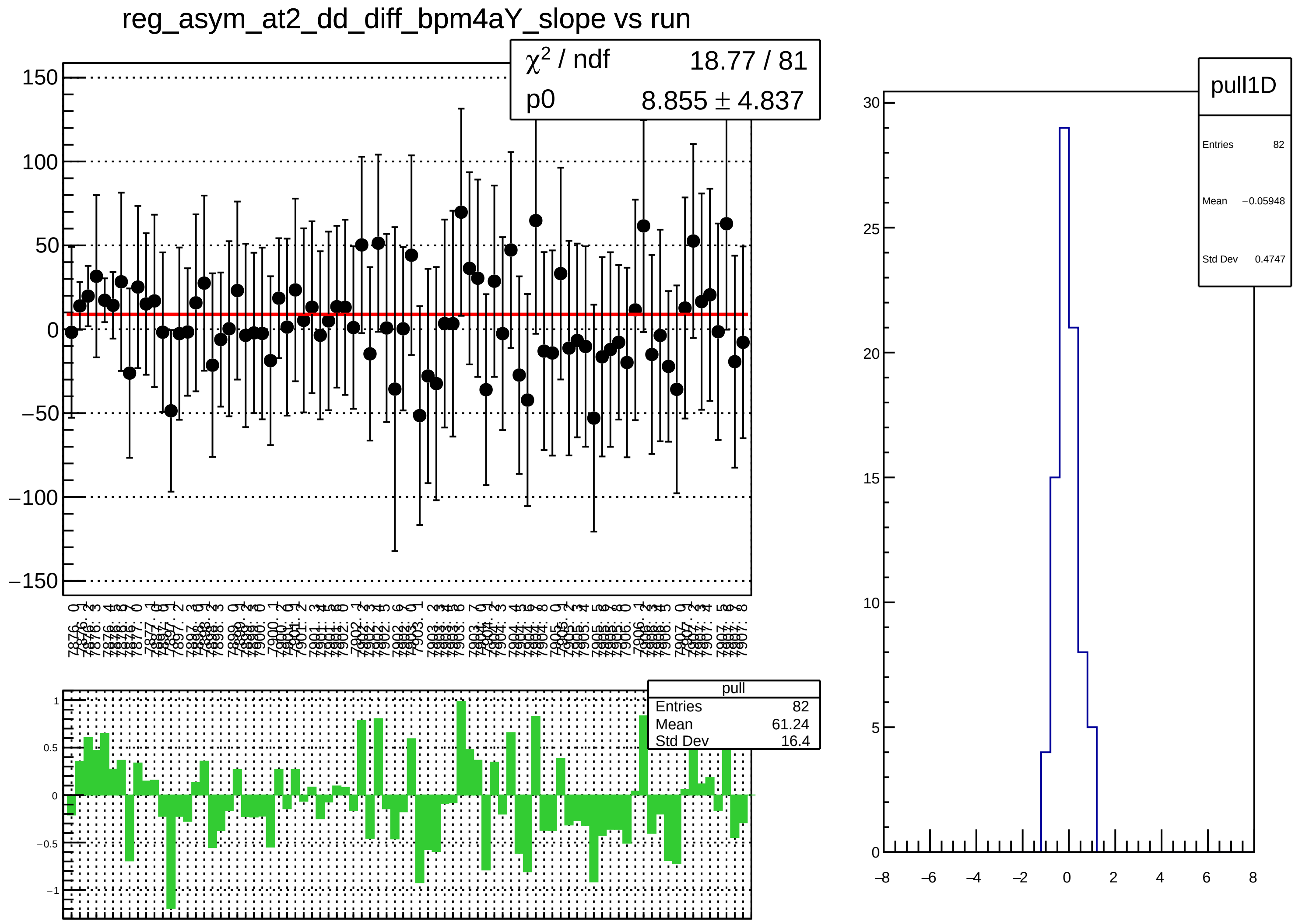
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.762 / 81
p0 24.94 ± 20.71
pull
Entries 82
Mean 65.96
Std Dev 27.6
pull1D
Entries 82
Mean −0.03714
Std Dev 0.1797



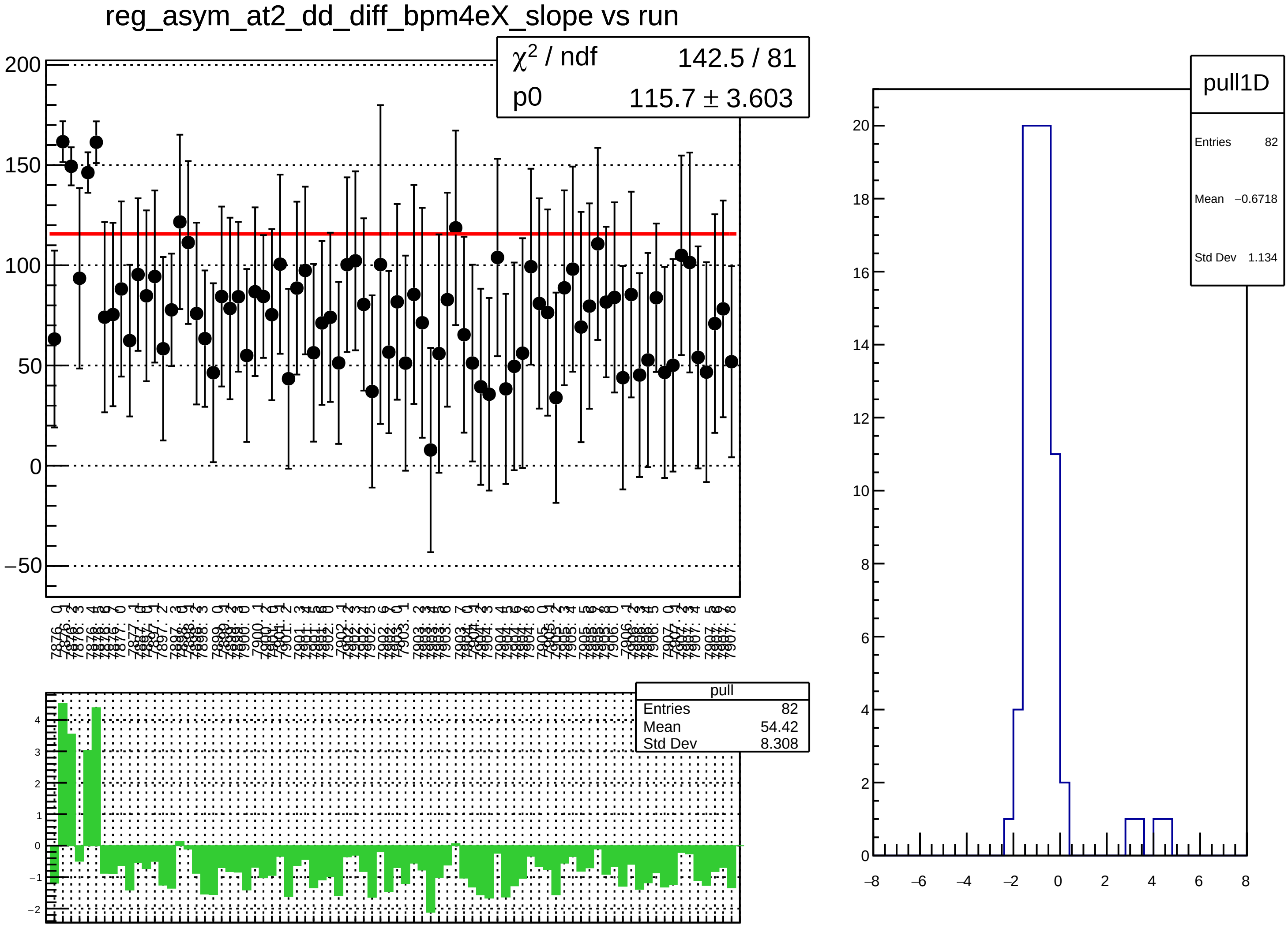
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ2 / ndf 142.9 / 81
p0 −273.1 ± 0.7206
−250
−260
−270
−280
−290
−300
−310
−320
pull
Entries 82
Mean 224.7
Std Dev 284.3
pull1D
Entries 82
Mean −0.002975
Std Dev 1.32



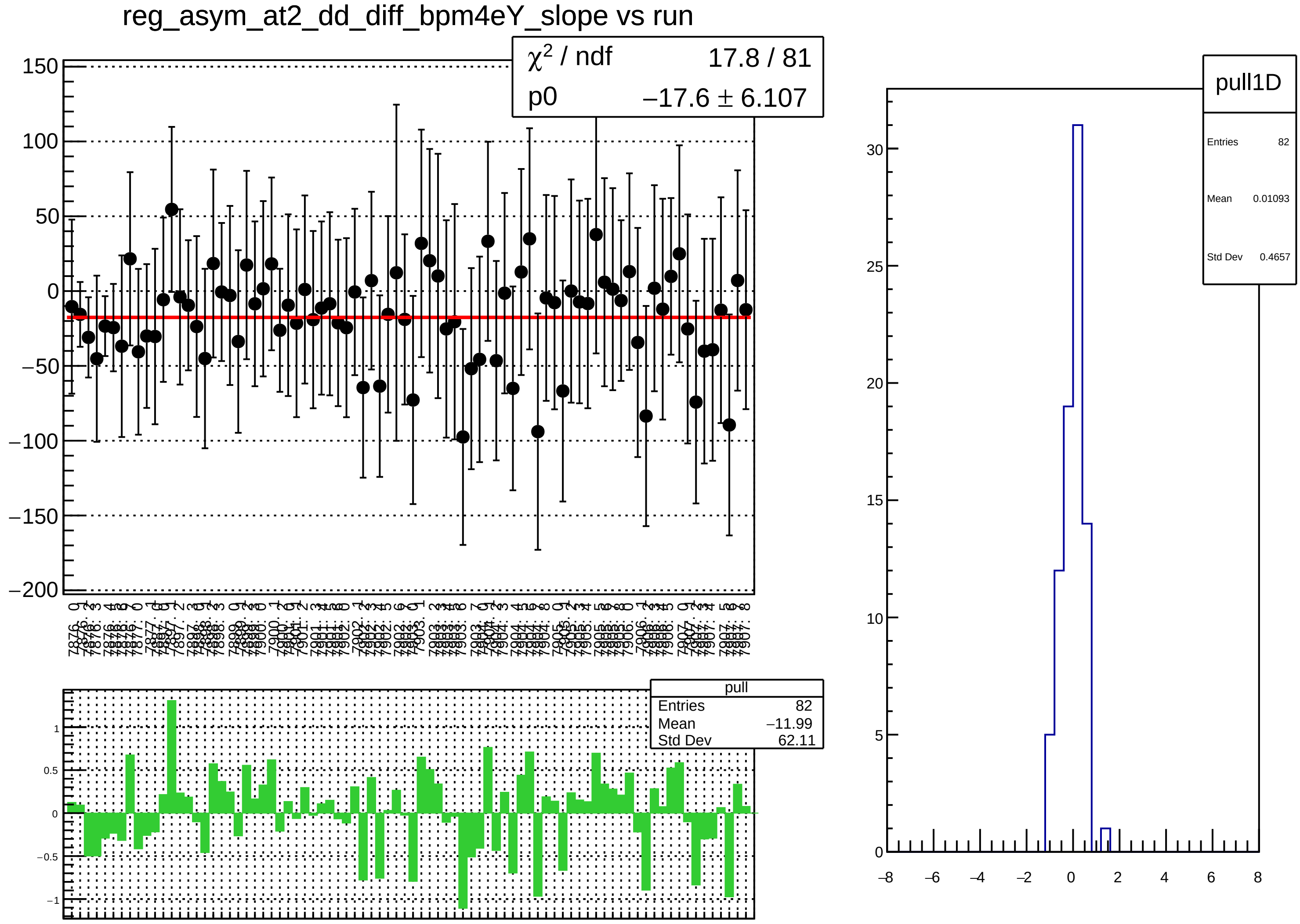
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 113.4 / 81
p0 −25.91 ± 4.488
pull
Entries 82
Mean 55.42
Std Dev 2.746
pull1D
Entries 82
Mean 0.5464
Std Dev 1.041



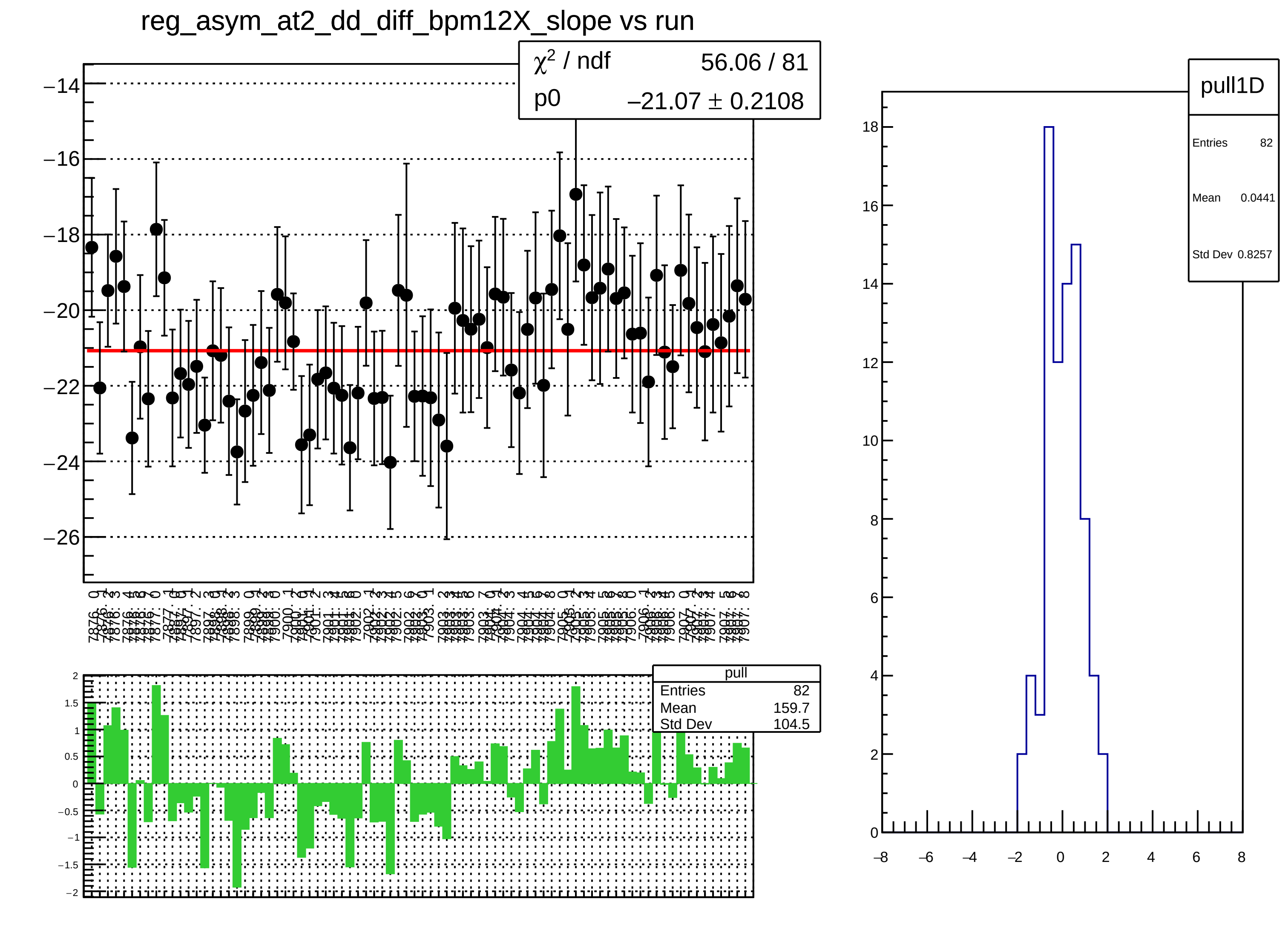
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 18.77 / 81
p0 8.855 ± 4.837
pull
Entries 82
Mean 61.24
Std Dev 16.4
pull1D
Entries 82
Mean −0.05948
Std Dev 0.4747



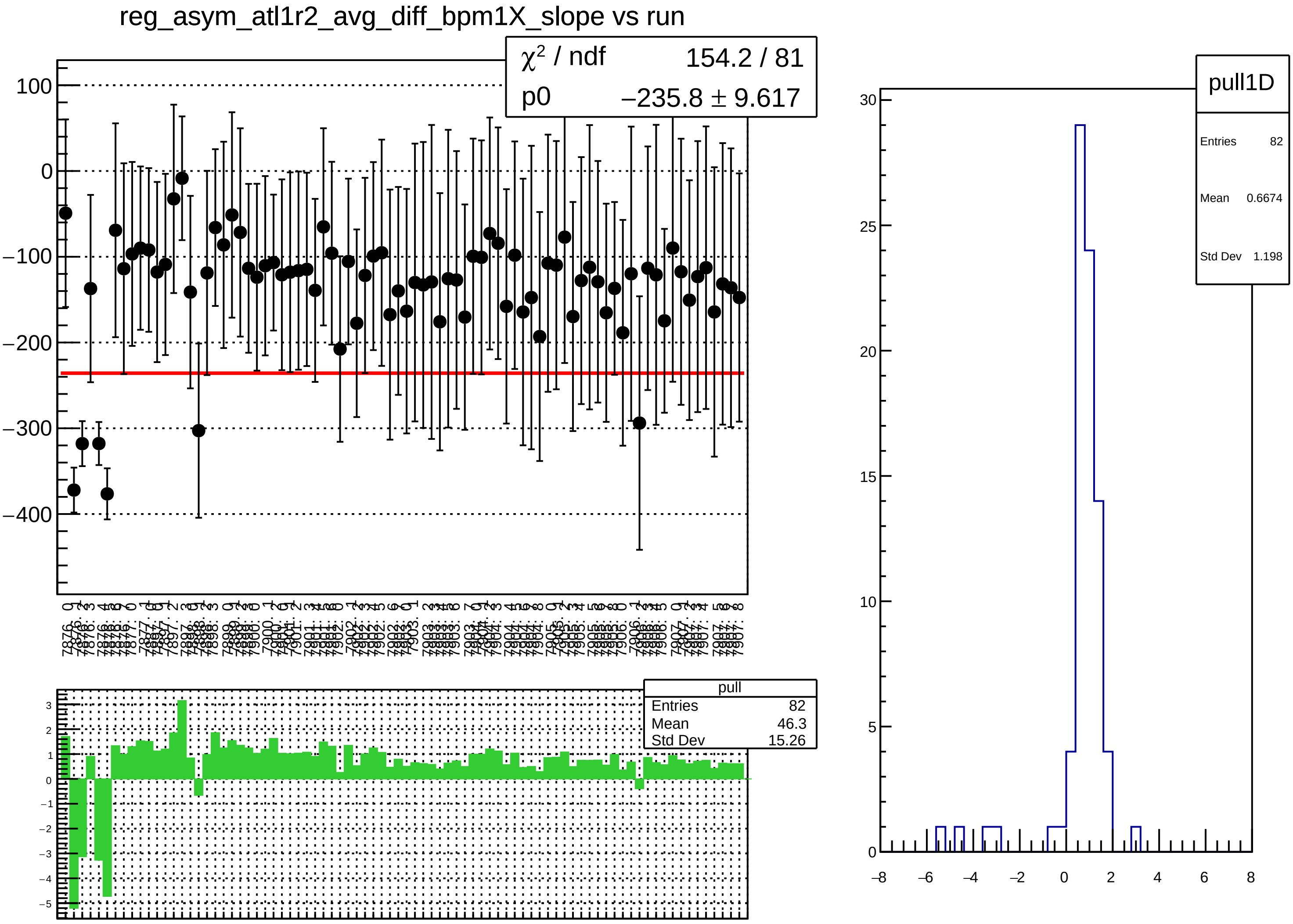
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 142.5 / 81
p0 115.7 ± 3.603
pull
Entries 82
Mean 54.42
Std Dev 8.308
pull1D
Entries 82
Mean −0.6718
Std Dev 1.134



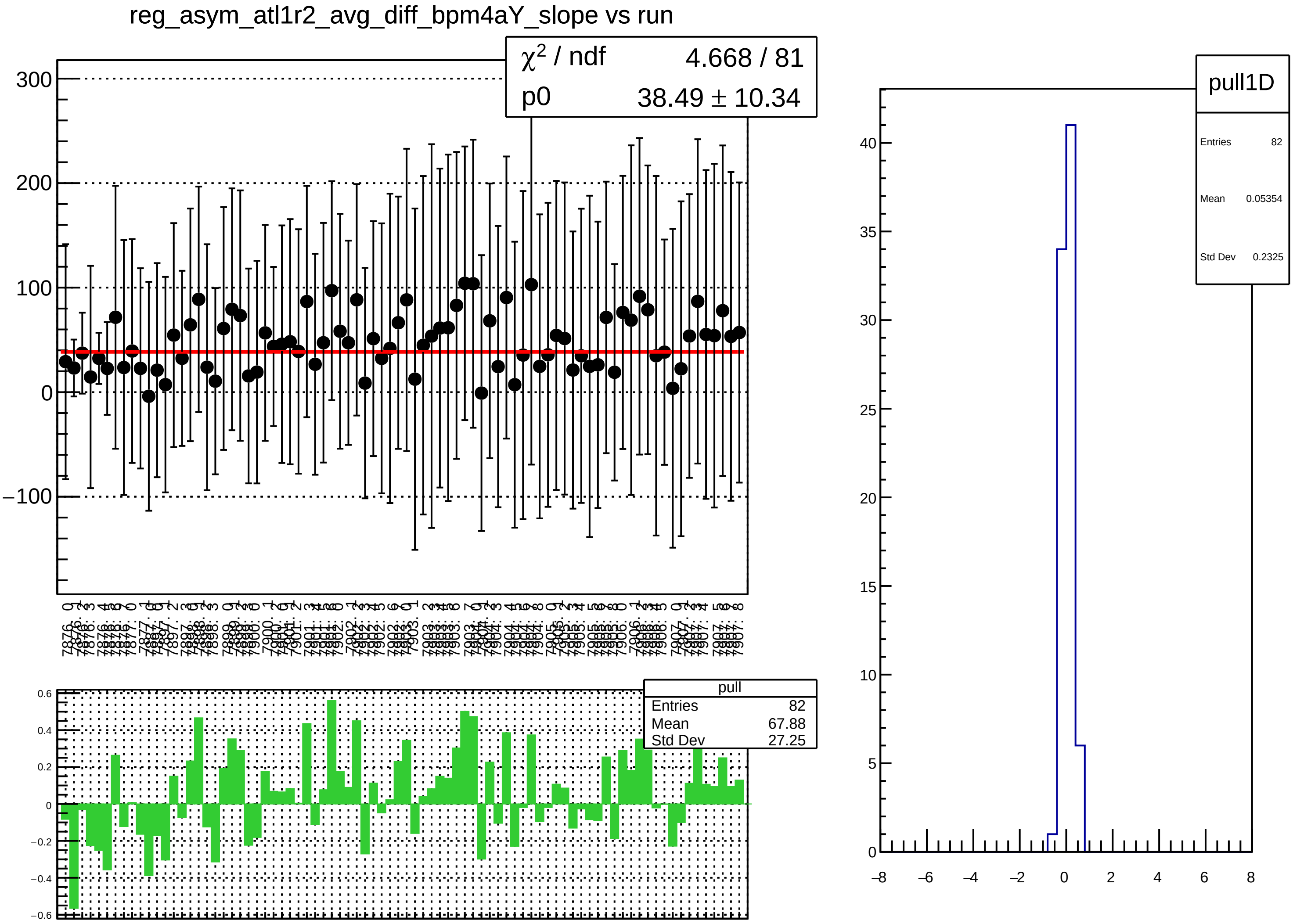
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.8 / 81
p0 −17.6 ± 6.107
pull
Entries 82
Mean −11.99
Std Dev 62.11
pull1D
Entries 82
Mean 0.01093
Std Dev 0.4657



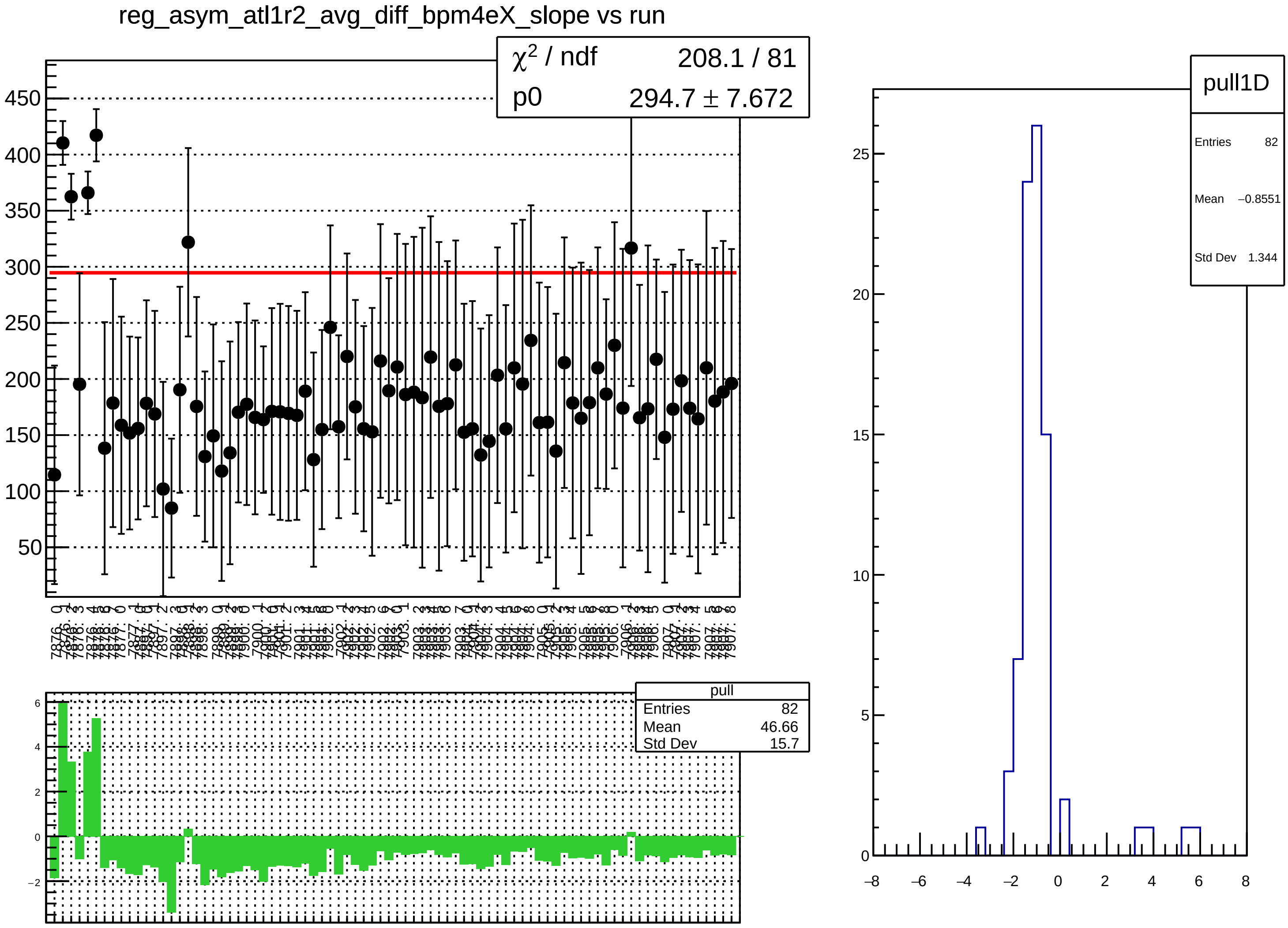
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 56.06 / 81
p0 −21.07 ± 0.2108
pull
Entries 82
Mean 159.7
Std Dev 104.5
pull1D
Entries 82
Mean 0.0441
Std Dev 0.8257



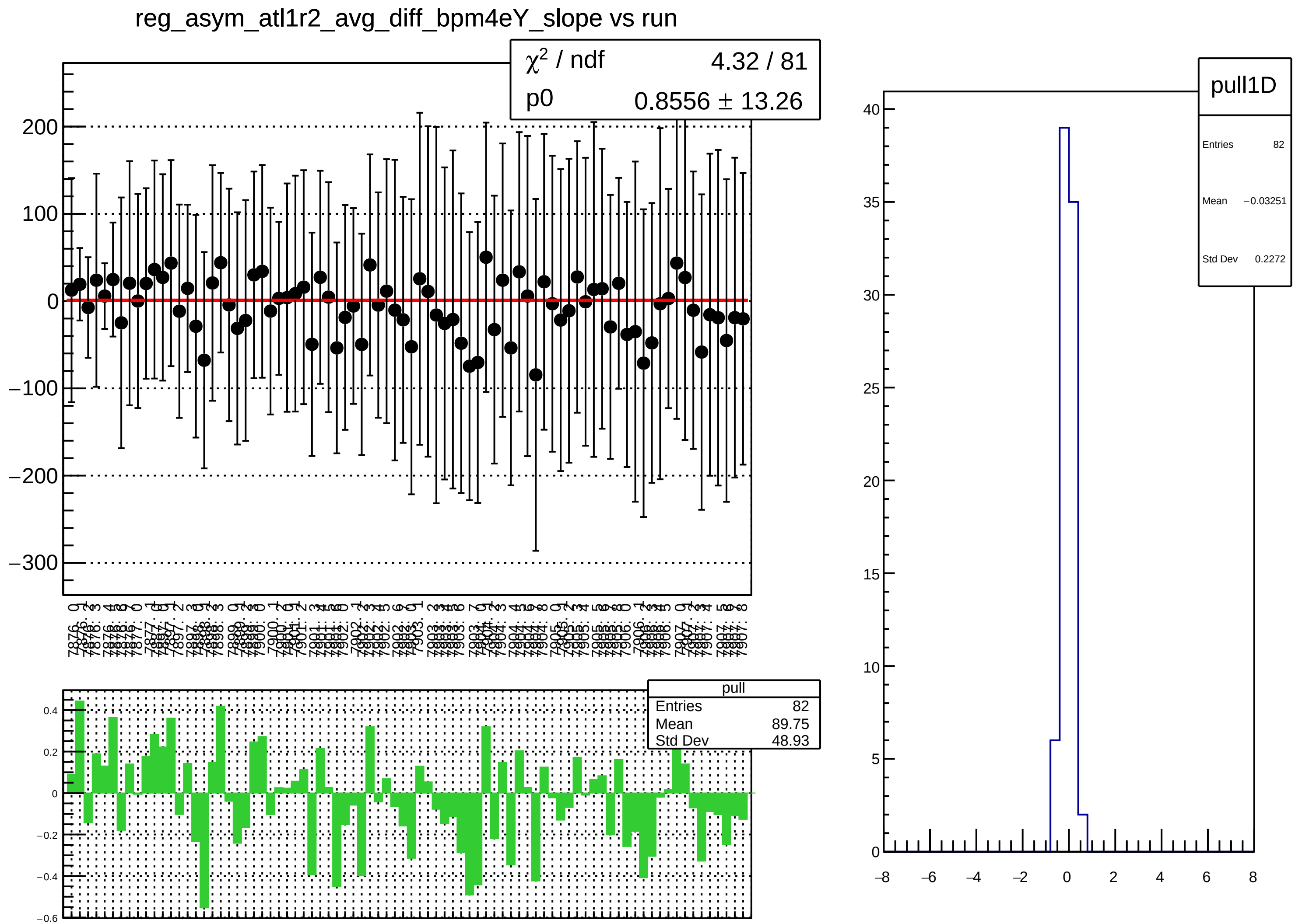
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ2 / ndf 154.2 / 81
p0 −235.8 ± 9.617
pull
Entries 82
Mean 46.3
Std Dev 15.26
pull1D
Entries 82
Mean 0.6674
Std Dev 1.198



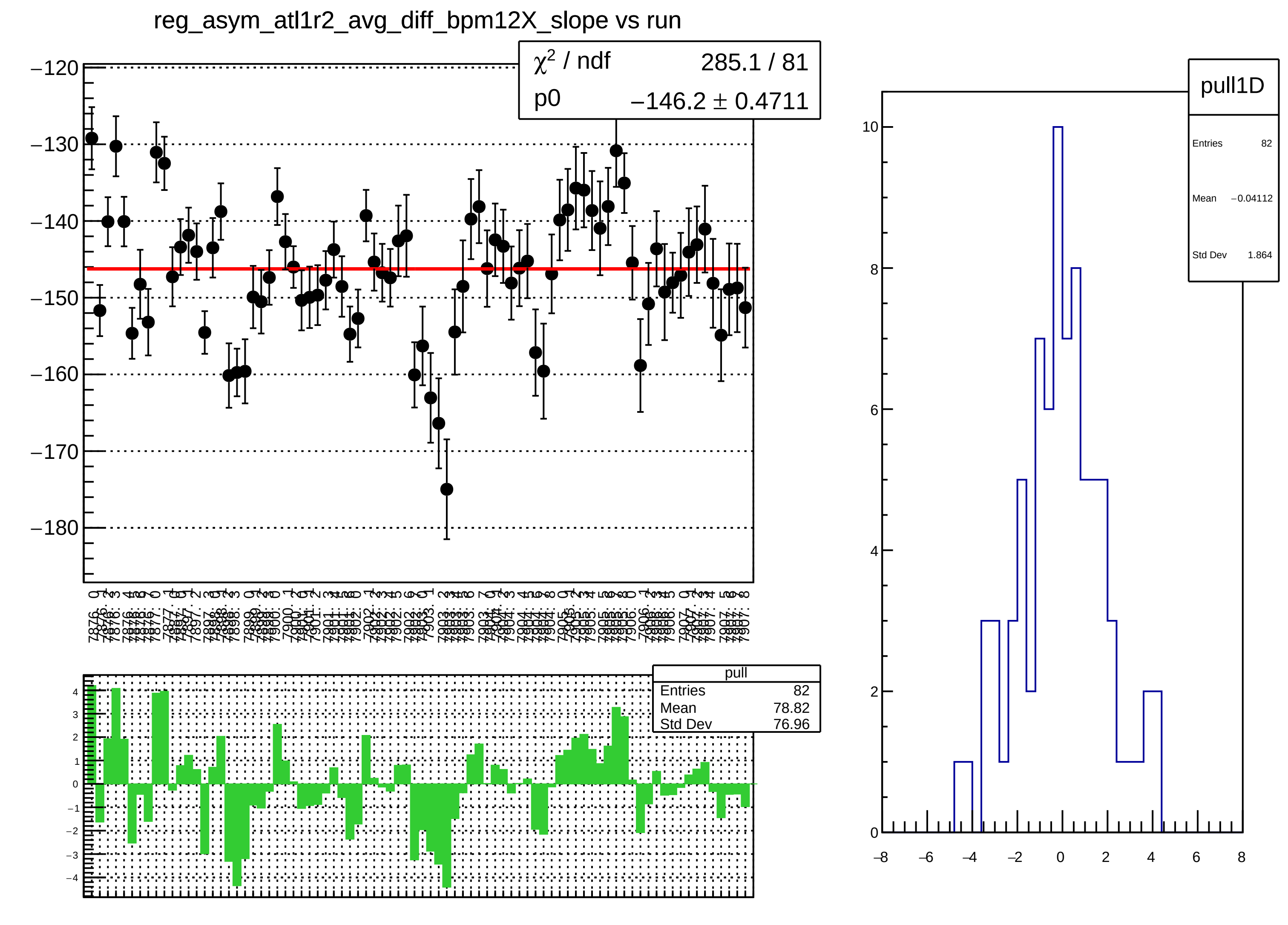
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 4.668 / 81
p0 38.49 ± 10.34
300
200
100
0
−100
pull
Entries 82
Mean 67.88
Std Dev 27.25
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean 0.05354
Std Dev 0.2325
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



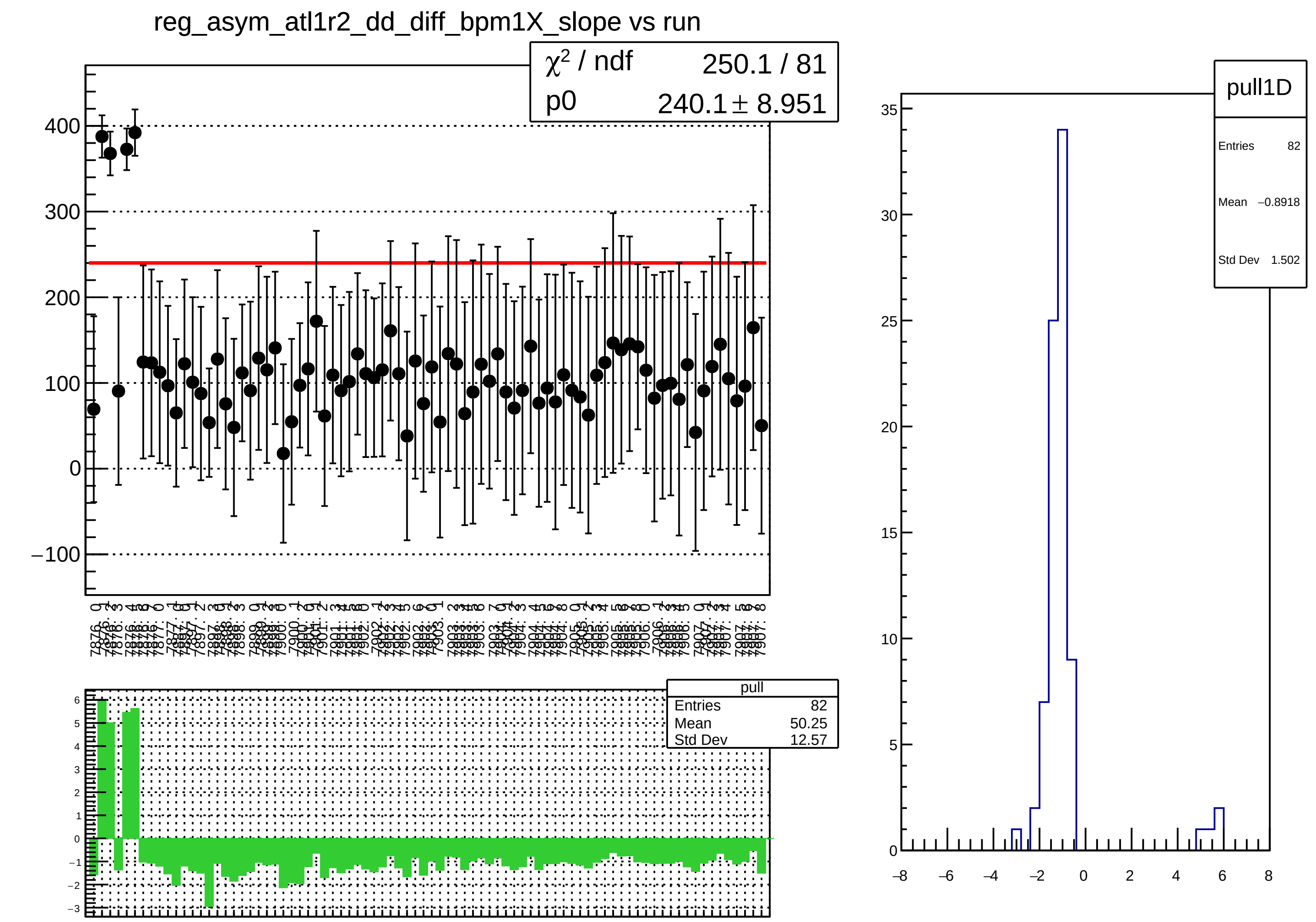
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 208.1 / 81
p0 294.7 ± 7.672
pull
Entries 82
Mean 46.66
Std Dev 15.7
pull1D
Entries 82
Mean −0.8551
Std Dev 1.344



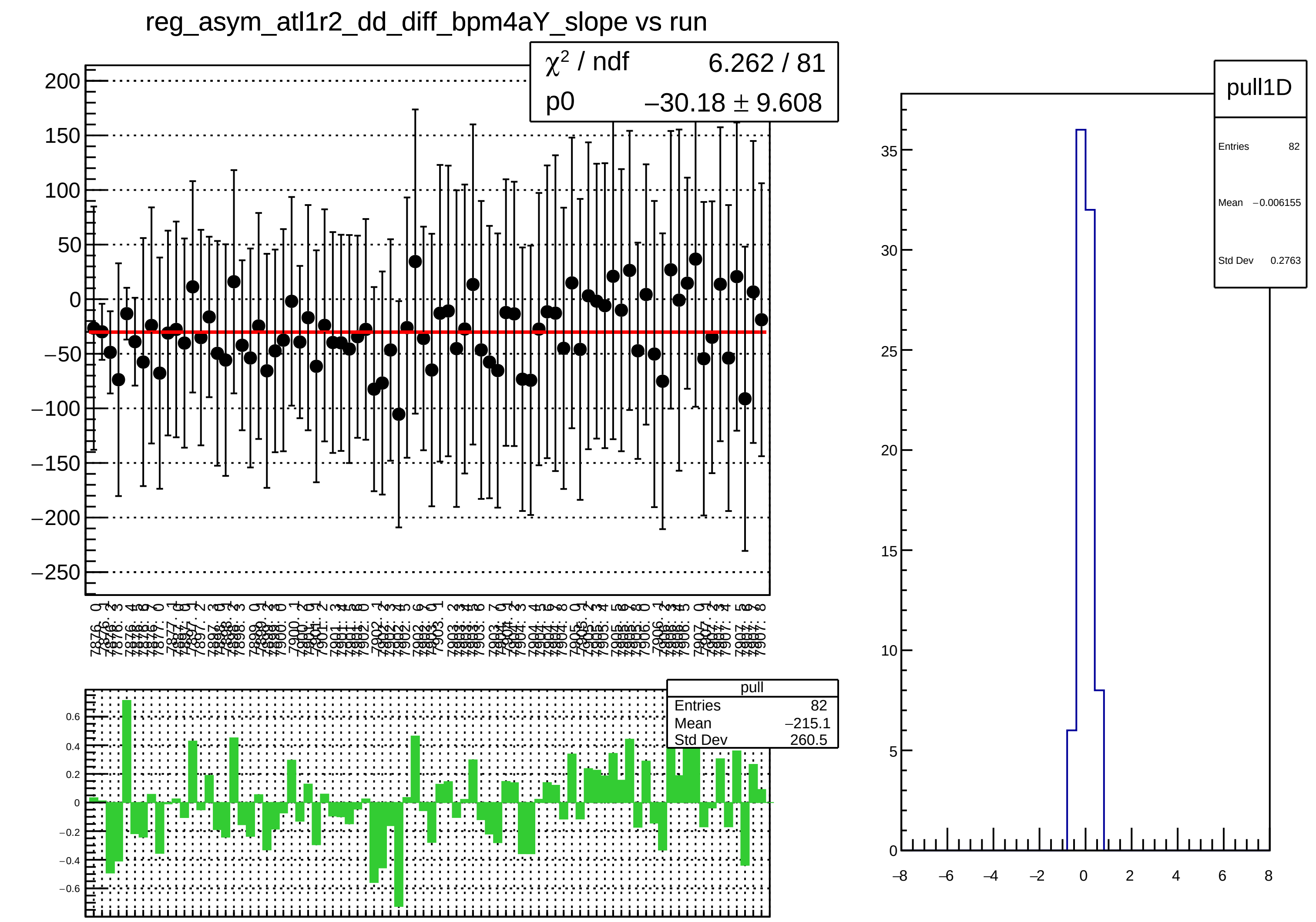
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 4.32 / 81
p0 0.8556 ± 13.26
pull
Entries 82
Mean 89.75
Std Dev 48.93
pull1D
Entries 82
Mean −0.03251
Std Dev 0.2272



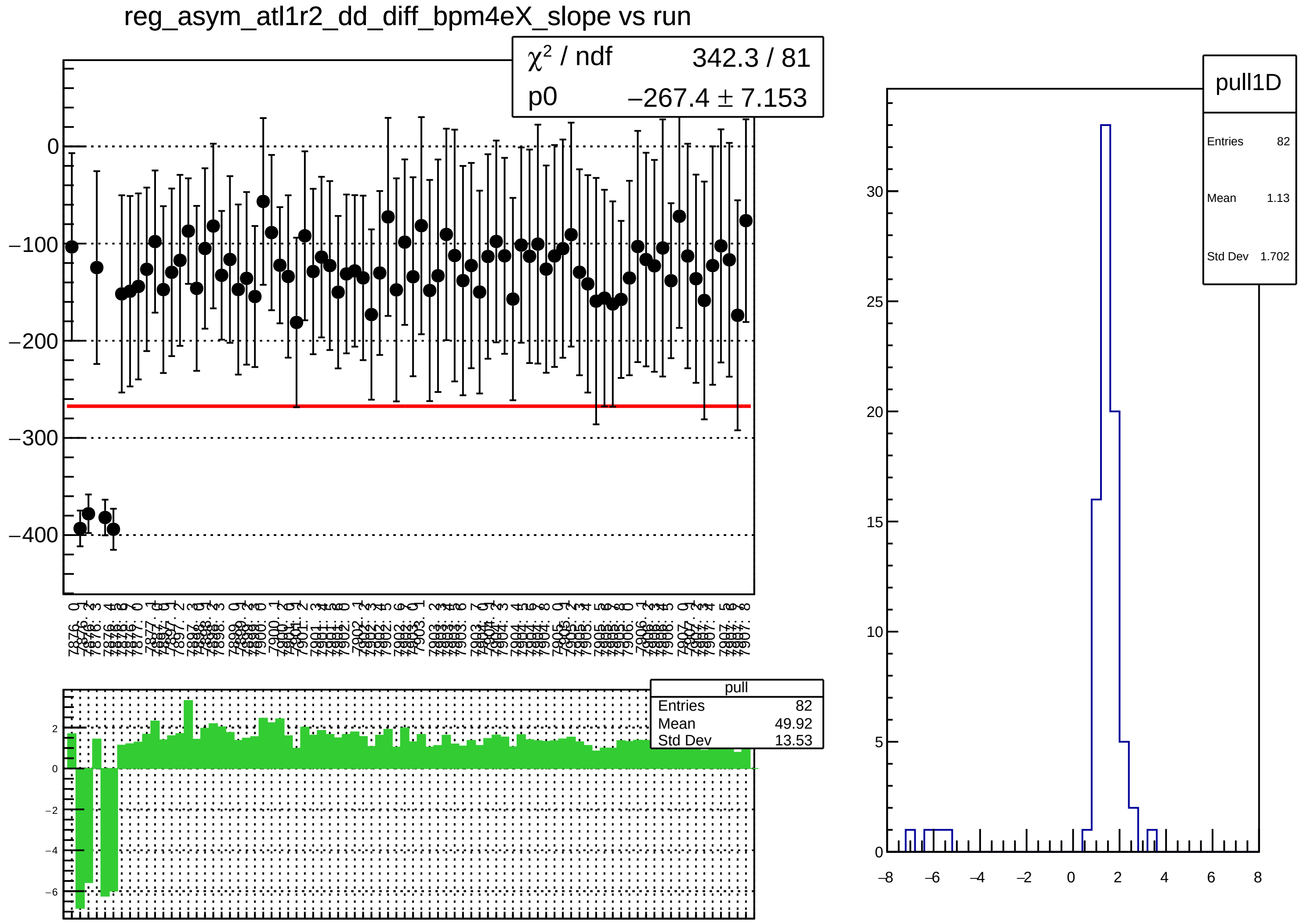
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 285.1 / 81
p0 −146.2 ± 0.4711
pull
Entries 82
Mean 78.82
Std Dev 76.96
pull1D
Entries 82
Mean −0.04112
Std Dev 1.864



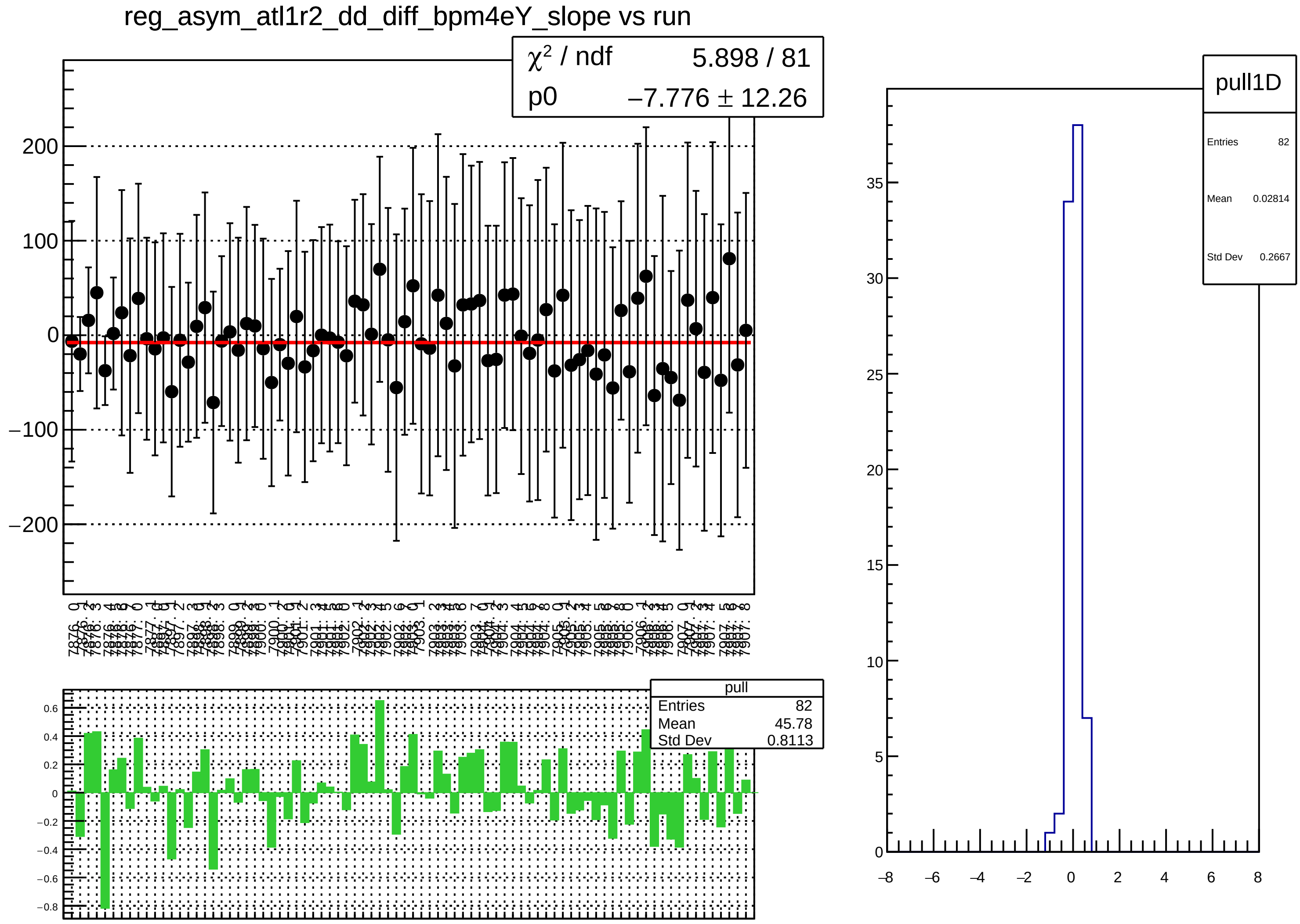
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ2 / ndf 250.1 / 81
p0 240.1 ± 8.951
pull
Entries 82
Mean 50.25
Std Dev 12.57
pull1D
Entries 82
Mean −0.8918
Std Dev 1.502

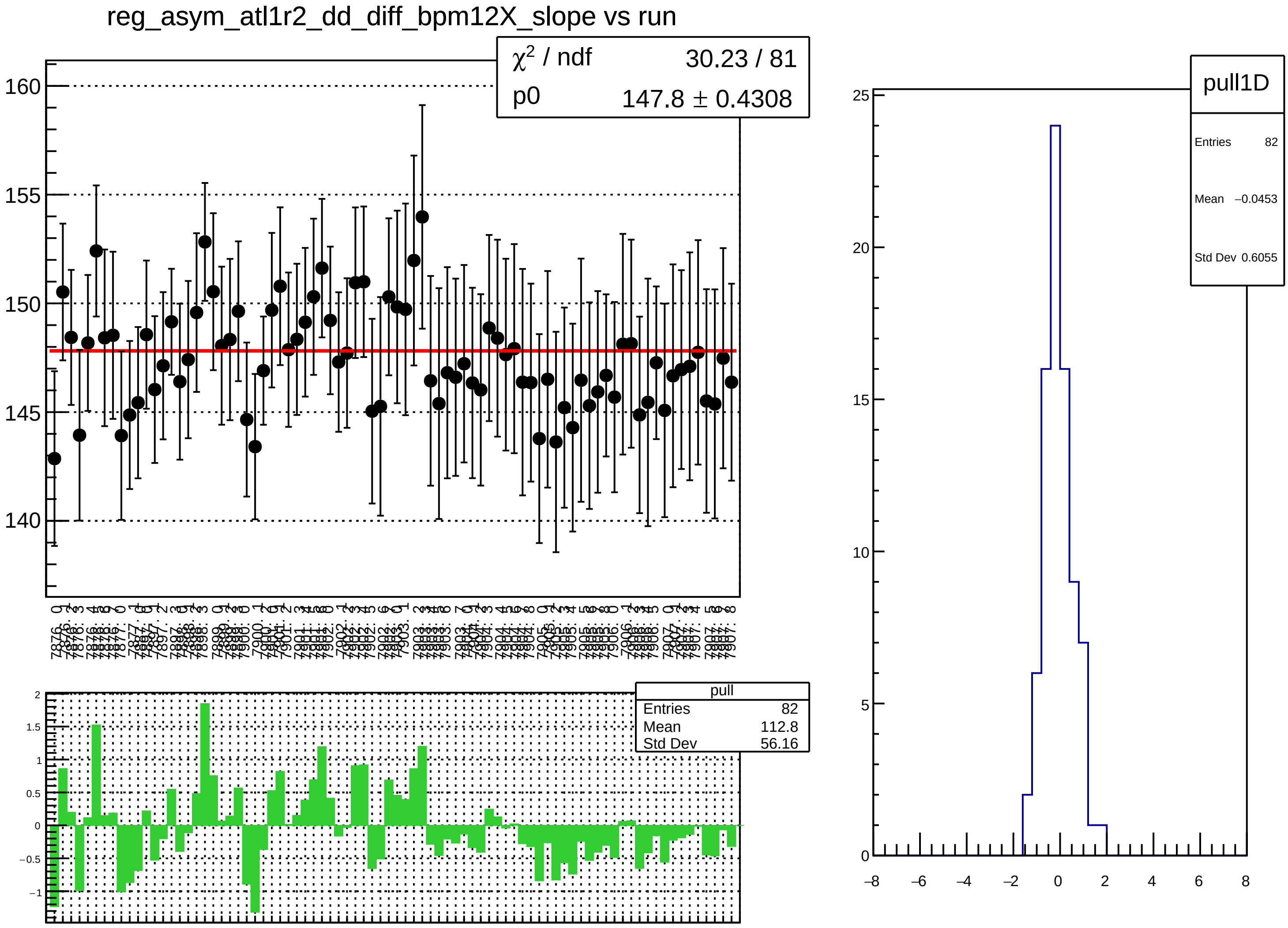


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.262 / 81
p0 −30.18 ± 9.608
pull
Entries 82
Mean −215.1
Std Dev 260.5
pull1D
Entries 82
Mean −0.006155
Std Dev 0.2763

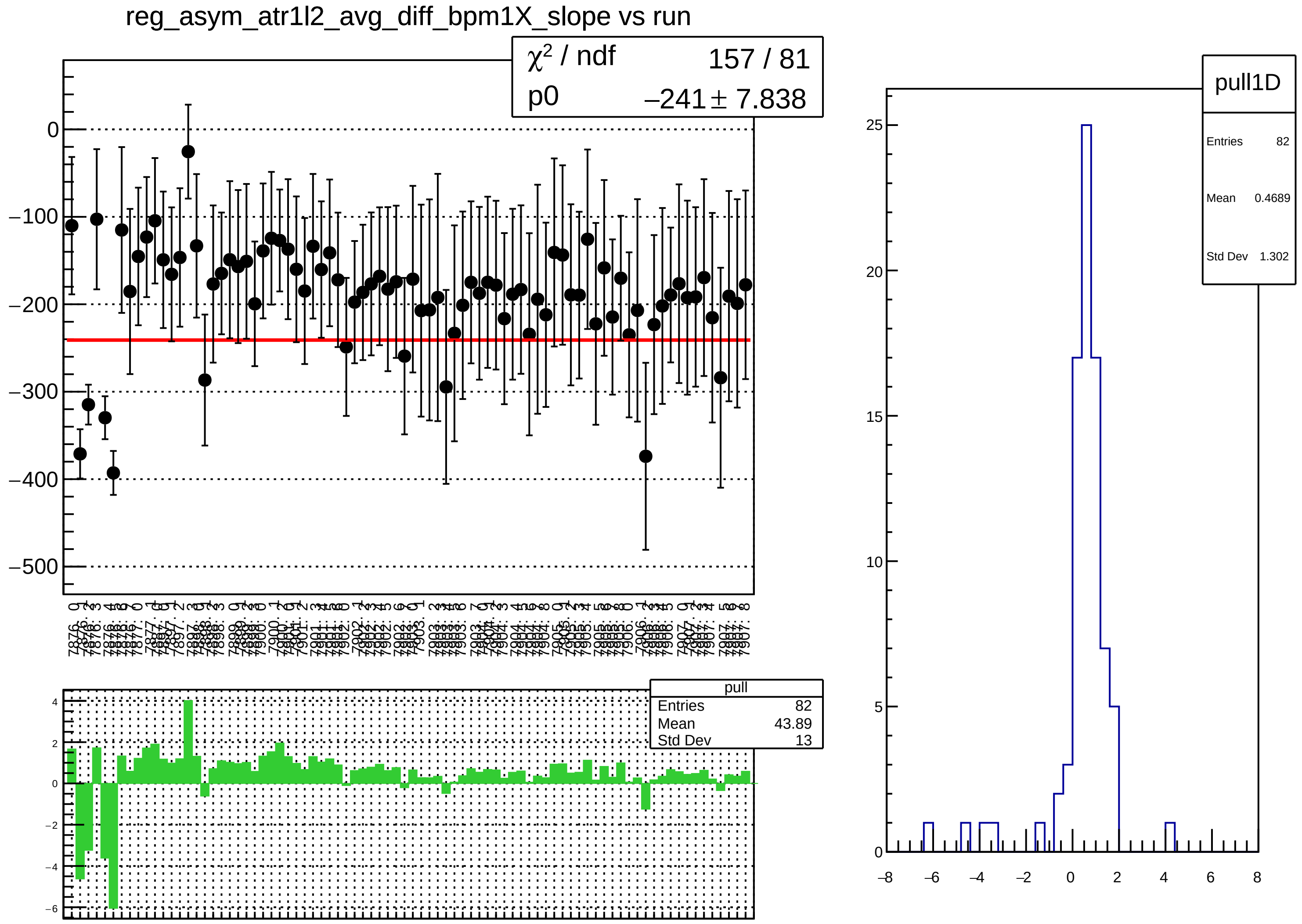


reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 342.3 / 81
p0 −267.4 ± 7.153
pull
Entries 82
Mean 49.92
Std Dev 13.53
pull1D
Entries 82
Mean 1.13
Std Dev 1.702

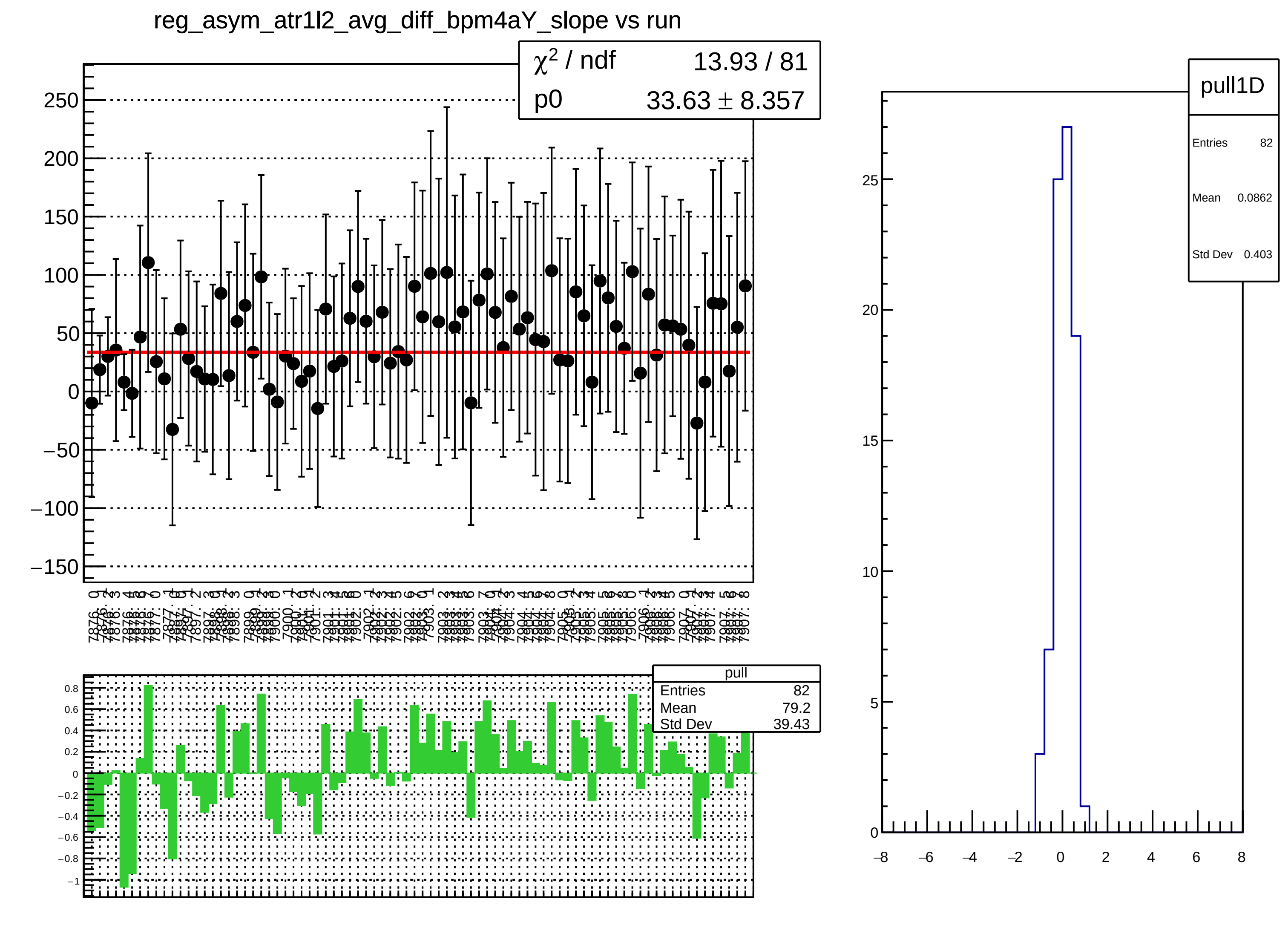

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.898 / 81
p0 −7.776 ± 12.26
pull
Entries 82
Mean 45.78
Std Dev 0.8113
pull1D
Entries 82
Mean 0.02814
Std Dev 0.2667



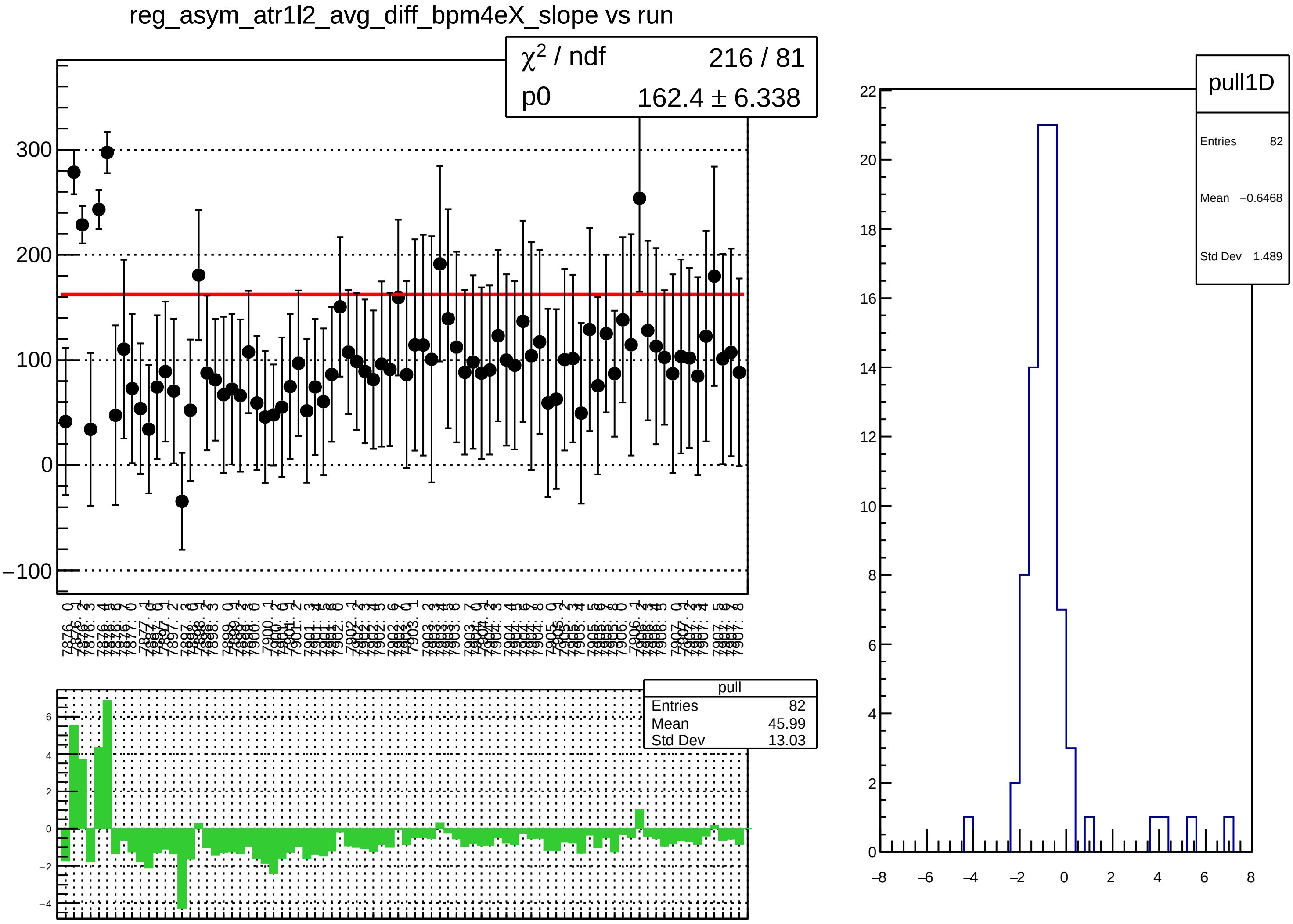
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.23 / 81
p0 147.8 ± 0.4308
pull
Entries 82
Mean 112.8
Std Dev 56.16
pull1D
Entries 82
Mean −0.0453
Std Dev 0.6055



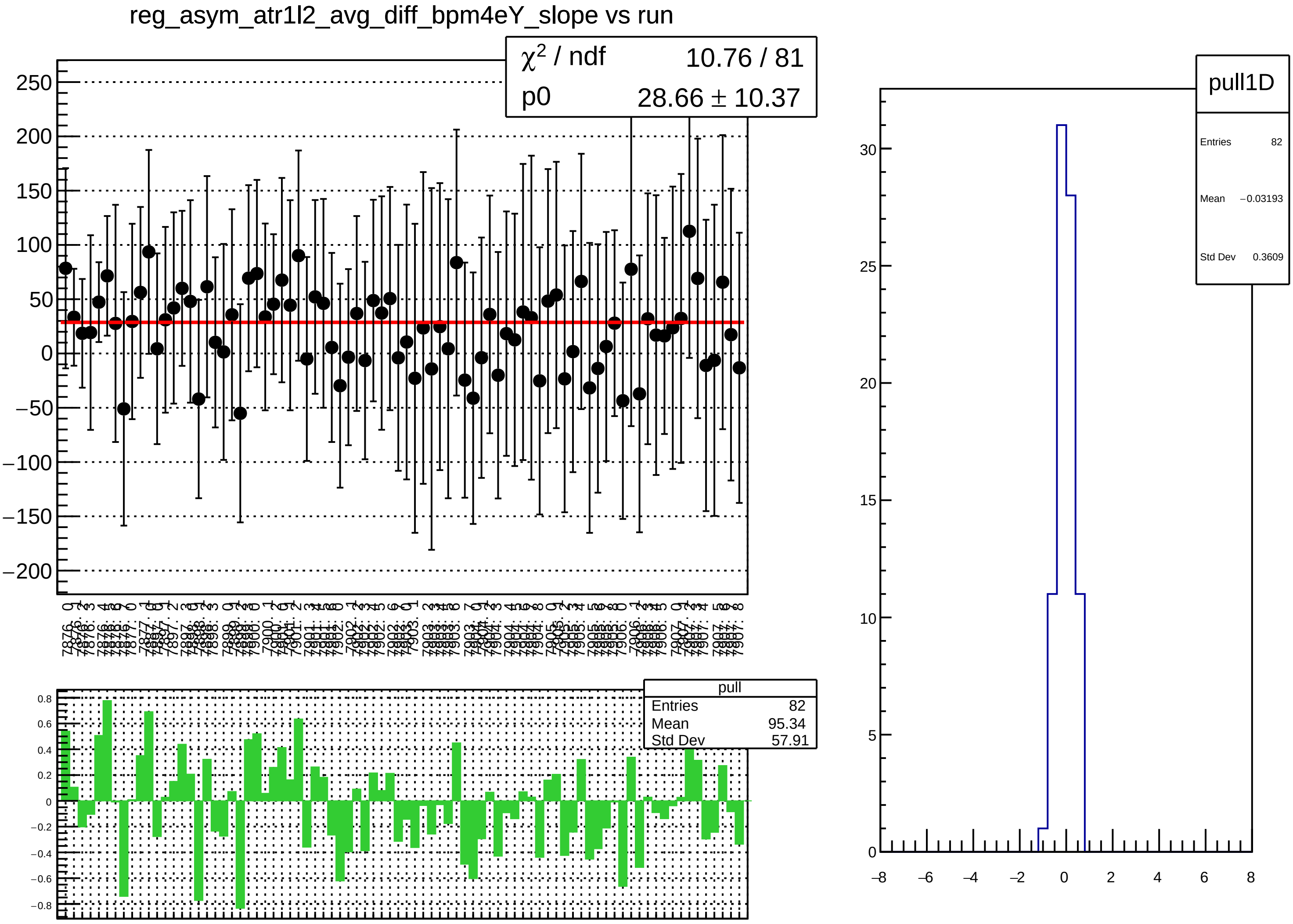
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ2 / ndf 157 / 81
p0 −241 ± 7.838
pull
Entries 82
Mean 43.89
Std Dev 13
pull1D
Entries 82
Mean 0.4689
Std Dev 1.302



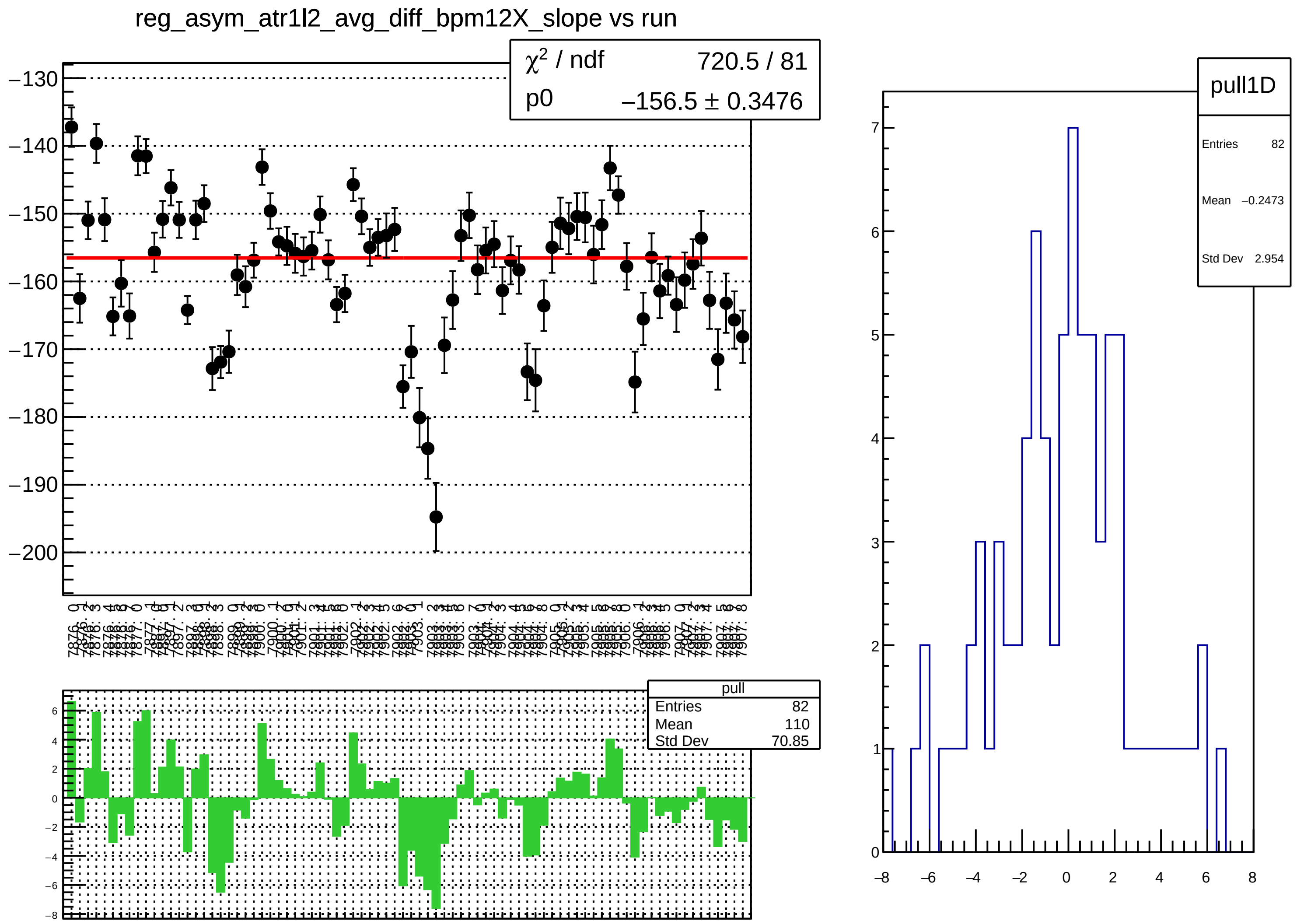
reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 13.93 / 81
p0 33.63 ± 8.357
pull
Entries 82
Mean 79.2
Std Dev 39.43
pull1D
Entries 82
Mean 0.0862
Std Dev 0.403



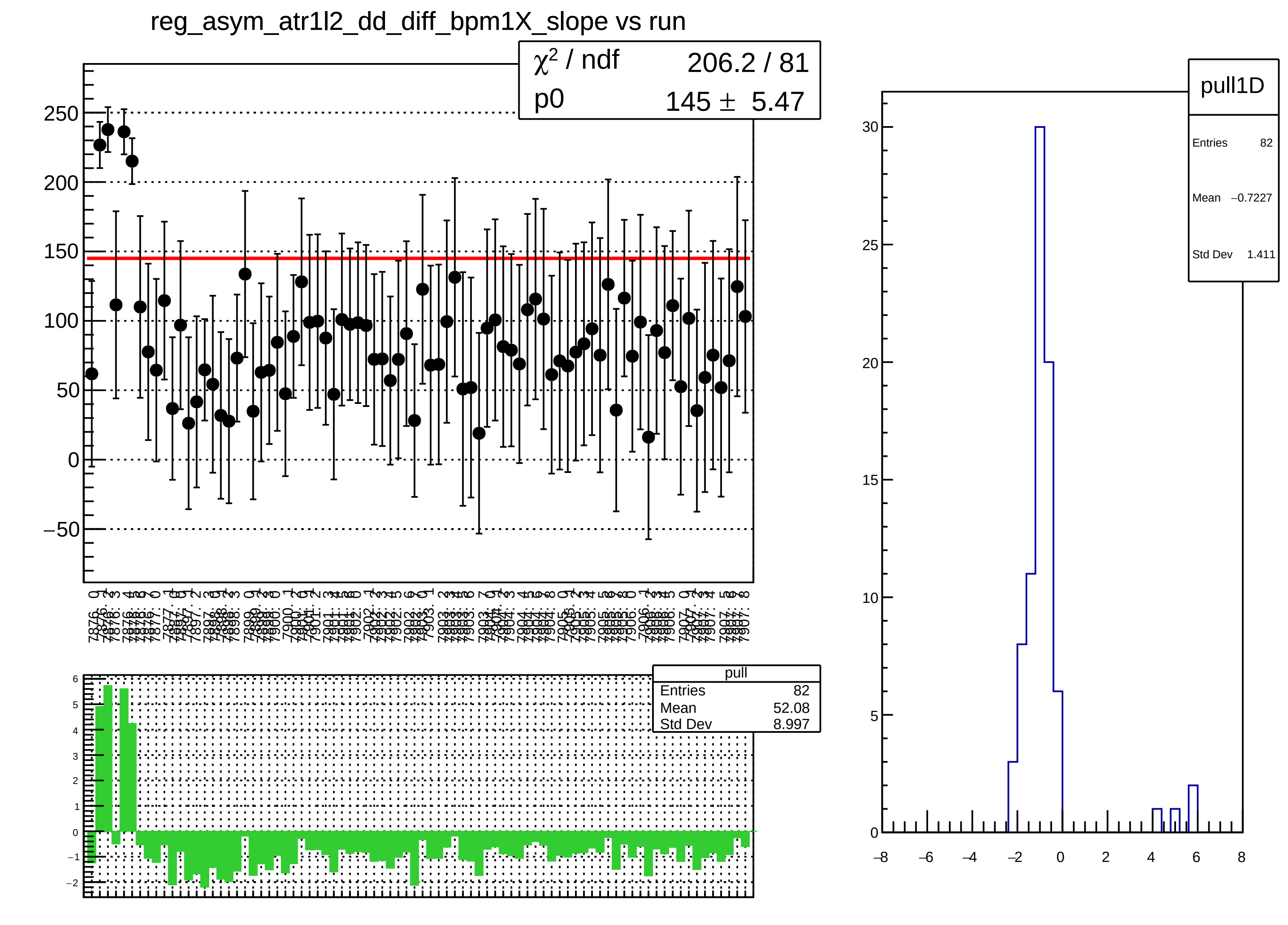
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 216 / 81
p0 162.4 ± 6.338
pull
Entries 82
Mean 45.99
Std Dev 13.03
pull1D
Entries 82
Mean −0.6468
Std Dev 1.489



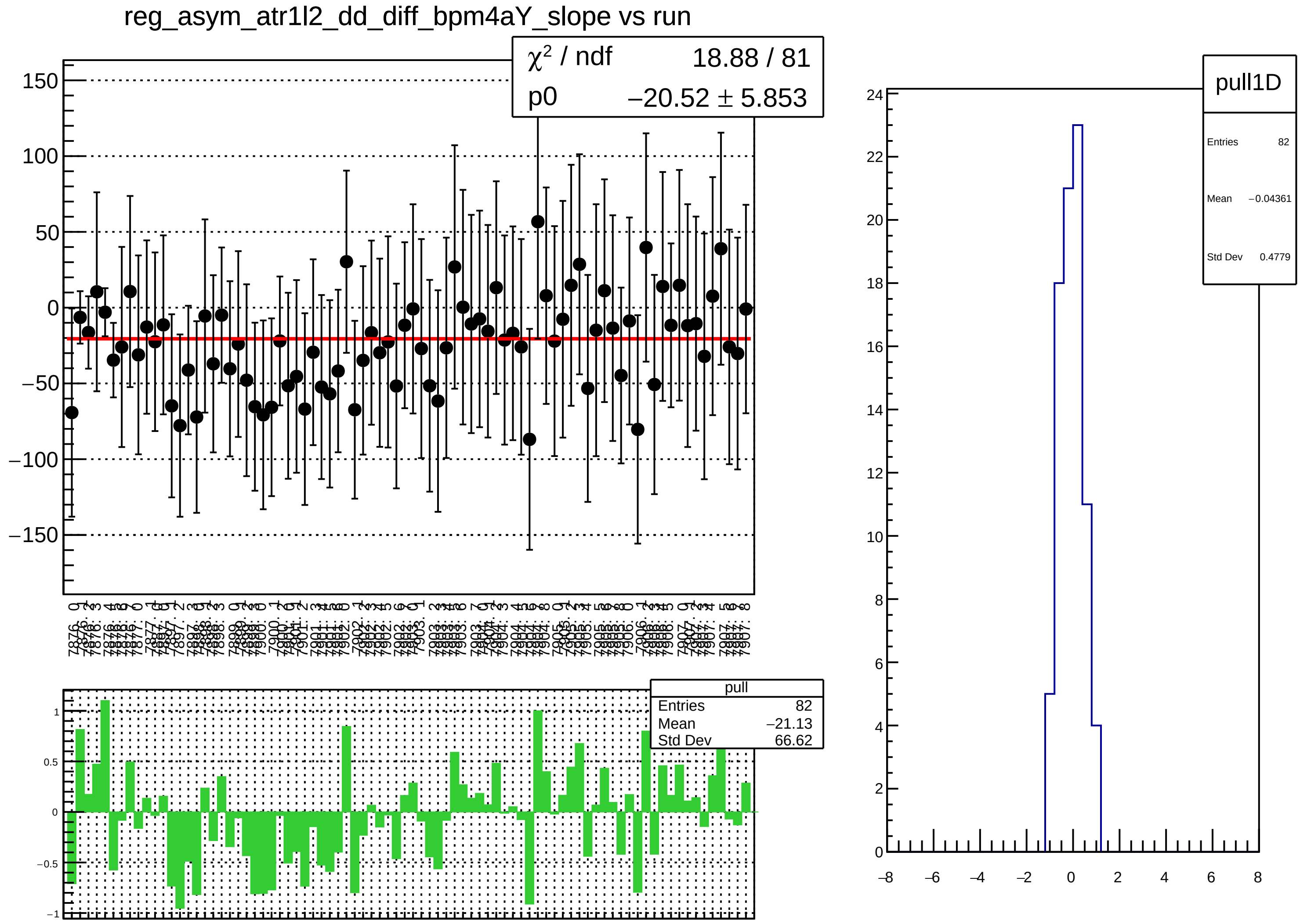
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 10.76 / 81
p0 28.66 ± 10.37
pull
Entries 82
Mean 95.34
Std Dev 57.91
pull1D
Entries 82
Mean −0.03193
Std Dev 0.3609



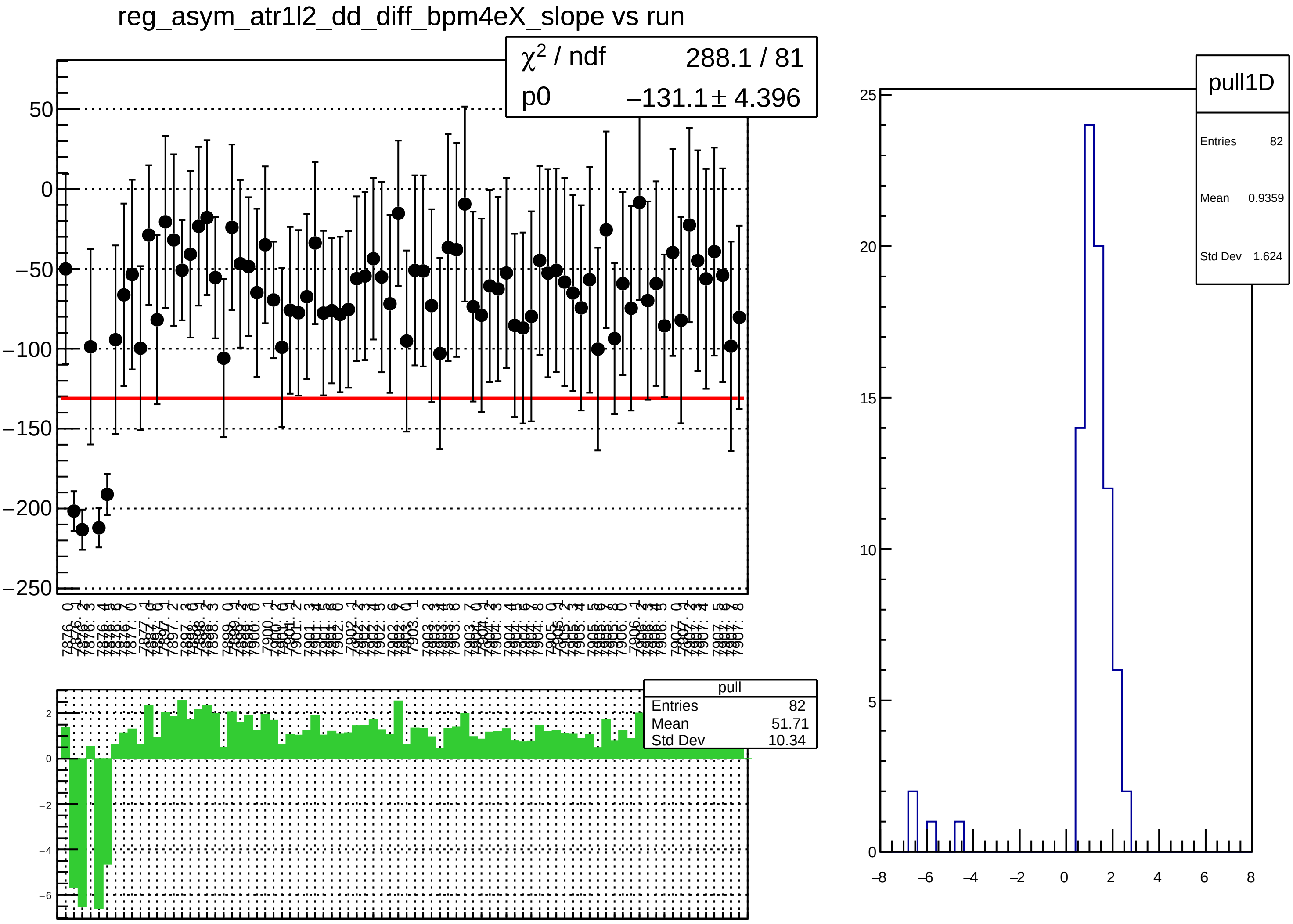
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 720.5 / 81
p0 −156.5 ± 0.3476
pull
Entries 82
Mean 110
Std Dev 70.85
pull1D
Entries 82
Mean −0.2473
Std Dev 2.954



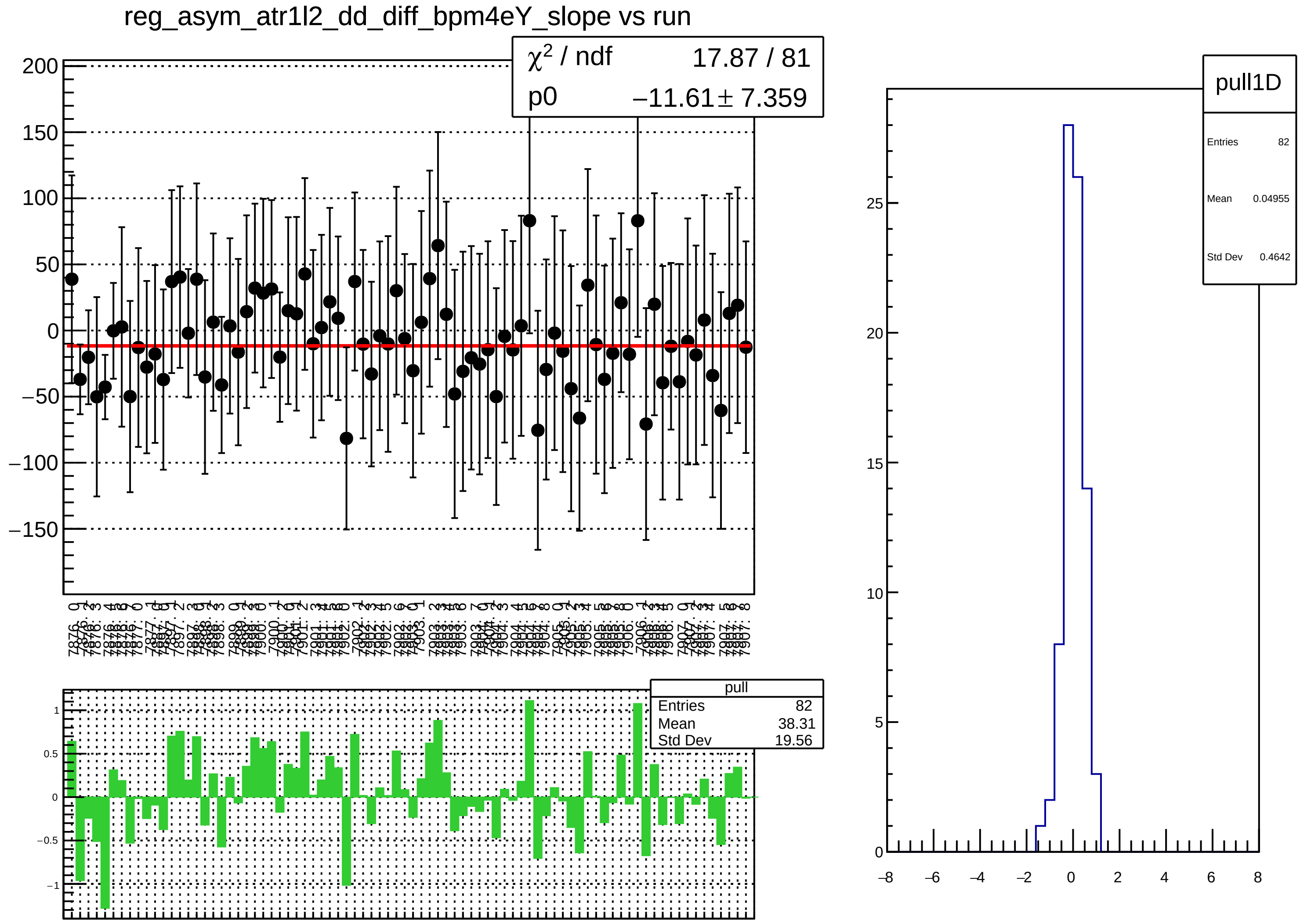
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 206.2 / 81
p0 145 ± 5.47
pull
Entries 82
Mean 52.08
Std Dev 8.997
pull1D
Entries 82
Mean −0.7227
Std Dev 1.411



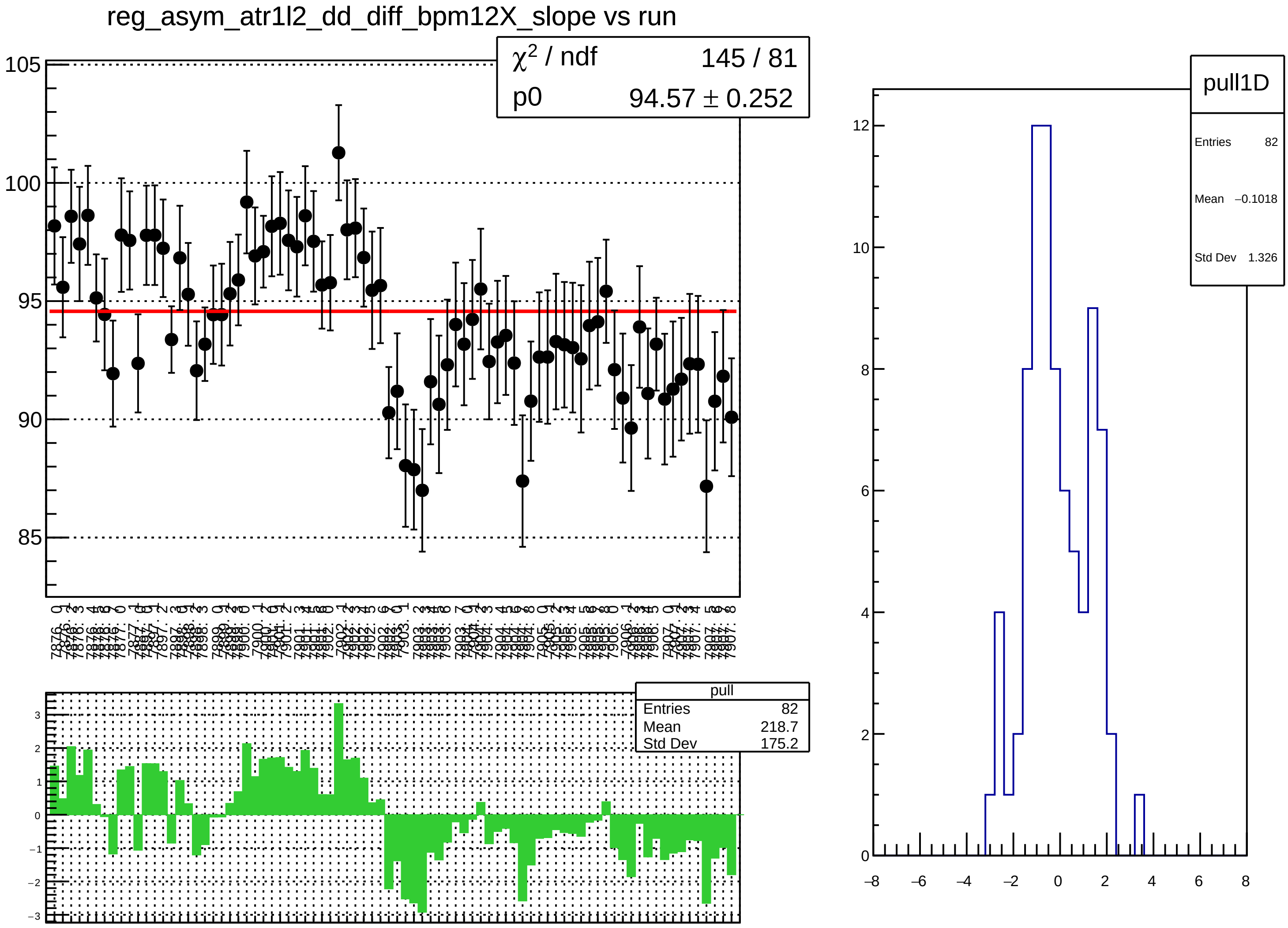
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 18.88 / 81
p0 −20.52 ± 5.853
pull
Entries 82
Mean −21.13
Std Dev 66.62
pull1D
Entries 82
Mean −0.04361
Std Dev 0.4779



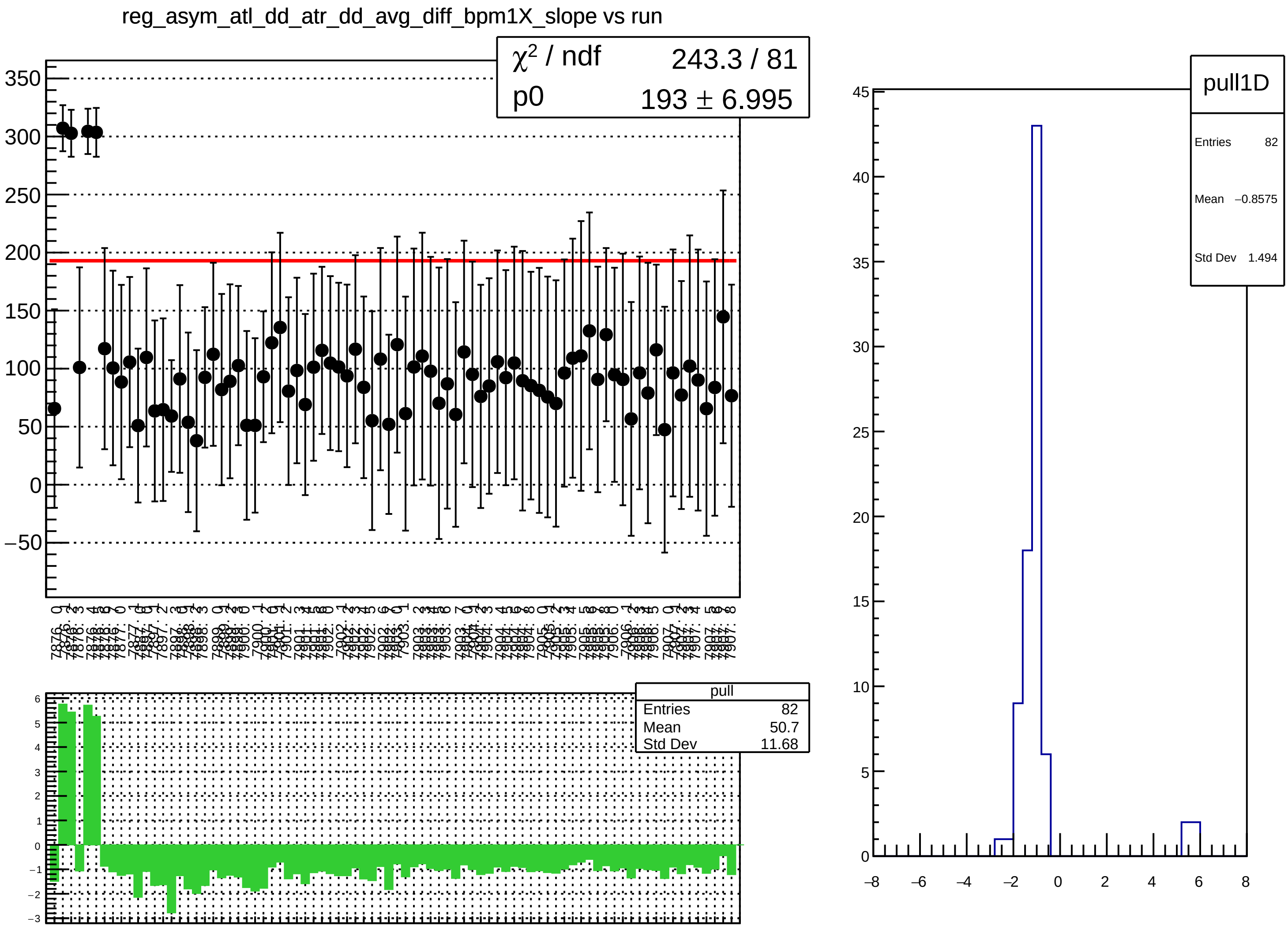
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 288.1 / 81
p0 −131.1 ± 4.396
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean 51.71
Std Dev 10.34
2
0
−2
−4
−6
pull1D
Entries 82
Mean 0.9359
Std Dev 1.624
25
20
15
10
5
0
−8 −6 −4 −2 0 2 4 6 8

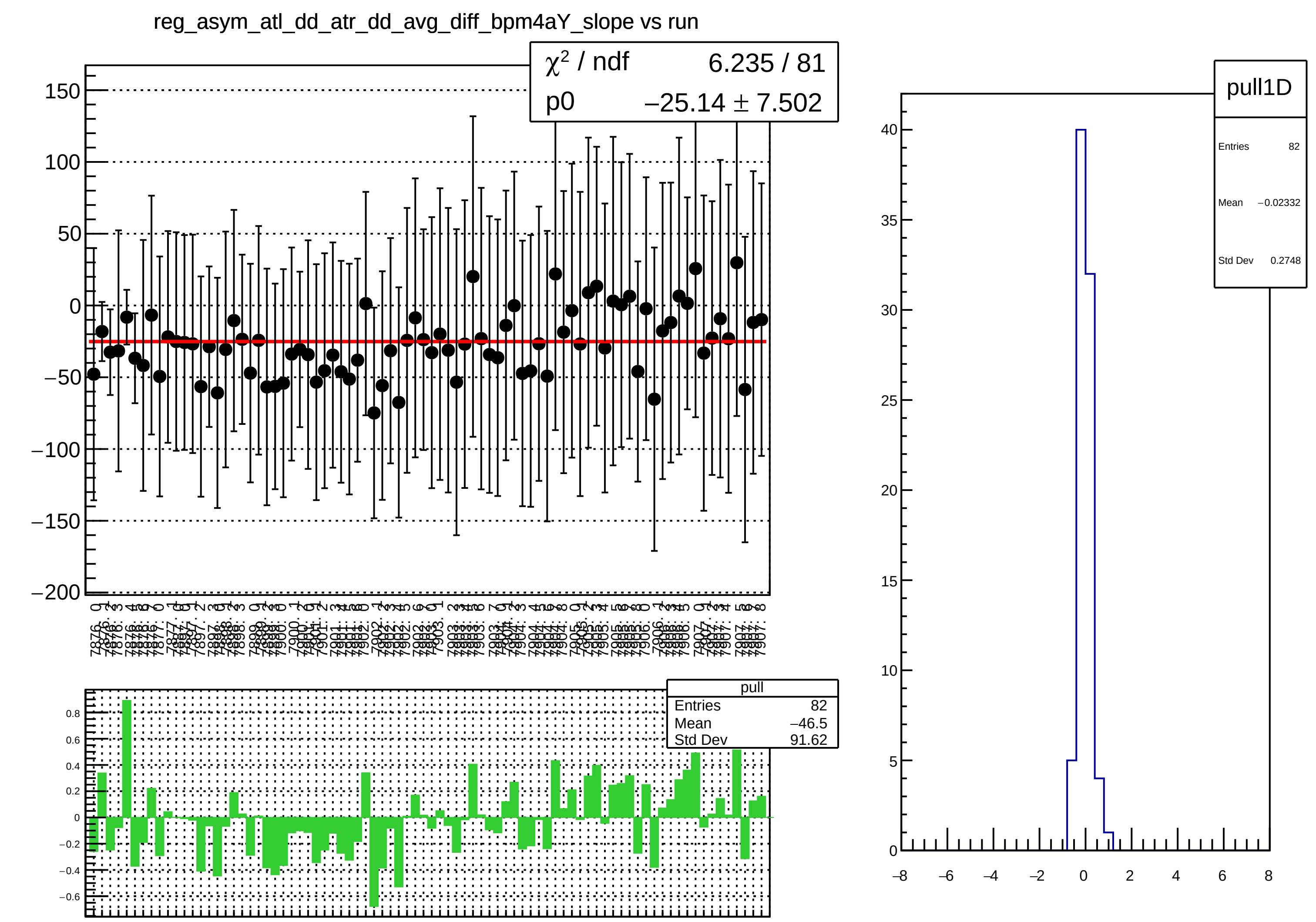


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.87 / 81
p0 −11.61 ± 7.359
pull
Entries 82
Mean 38.31
Std Dev 19.56
pull1D
Entries 82
Mean 0.04955
Std Dev 0.4642

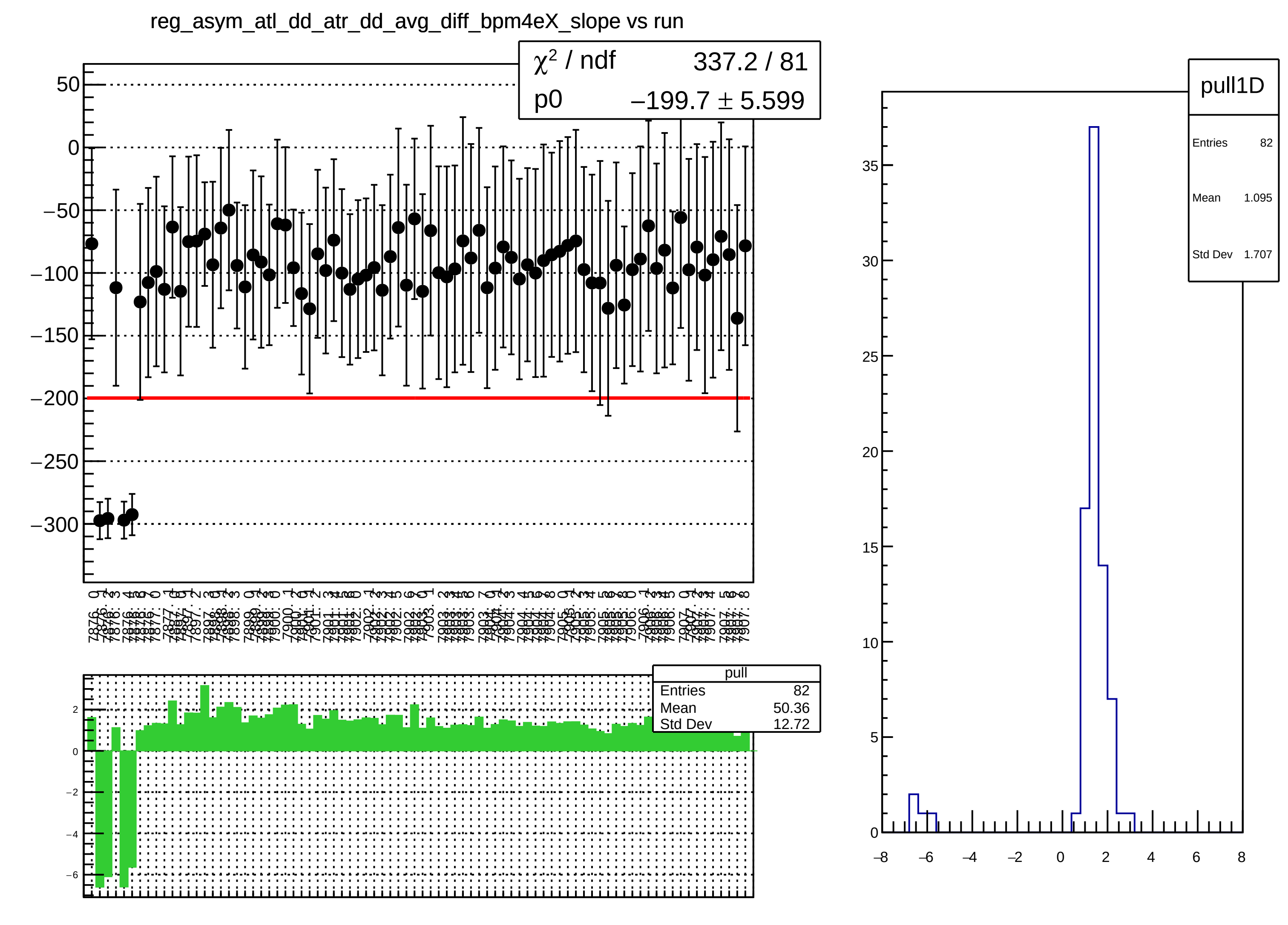


reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 145 / 81
p0 94.57 ± 0.252
pull
Entries 82
Mean 218.7
Std Dev 175.2
pull1D
Entries 82
Mean −0.1018
Std Dev 1.326

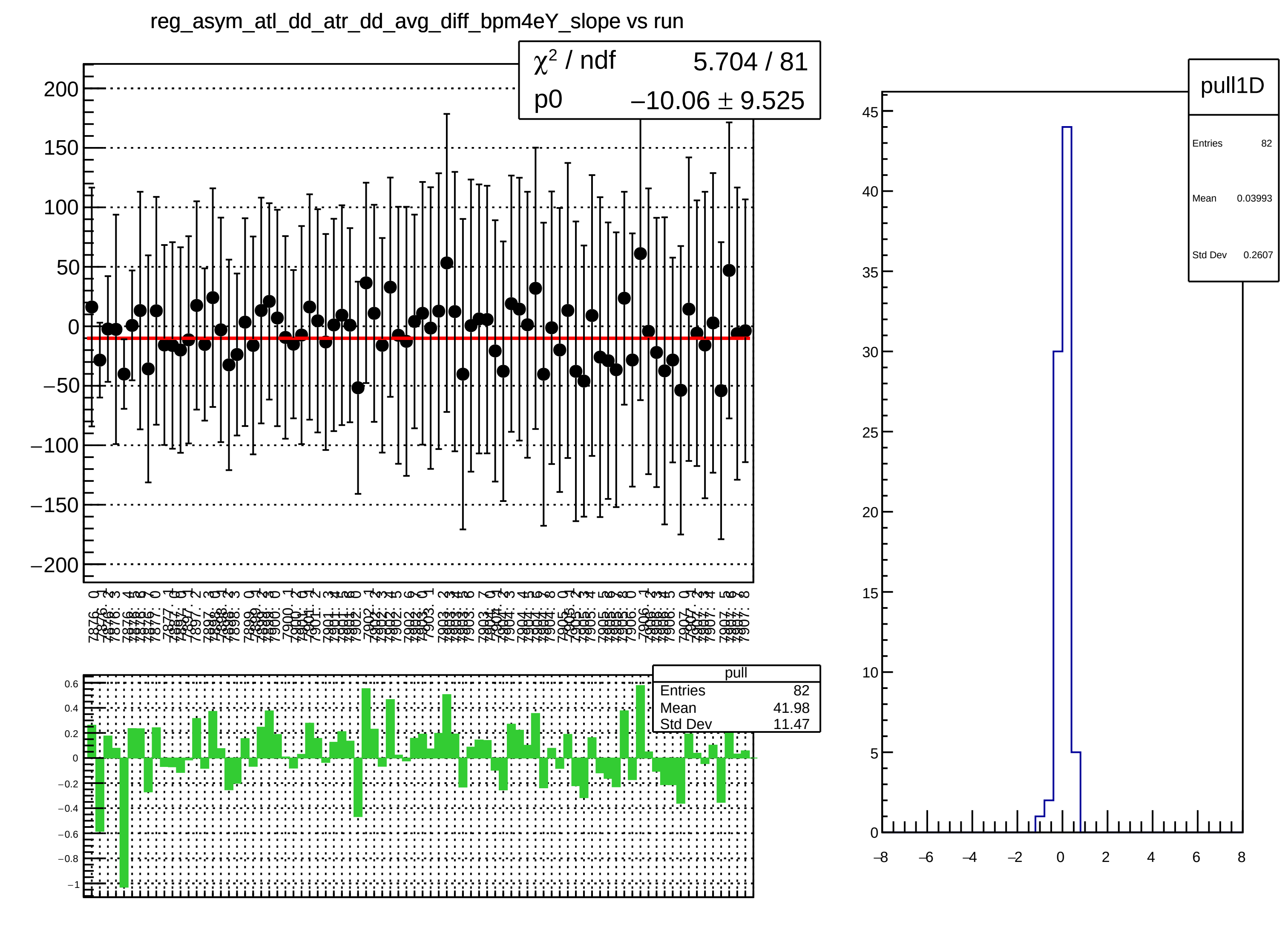

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 243.3 / 81
p0 193 ± 6.995
pull
Entries 82
Mean 50.7
Std Dev 11.68
pull1D
Entries 82
Mean −0.8575
Std Dev 1.494



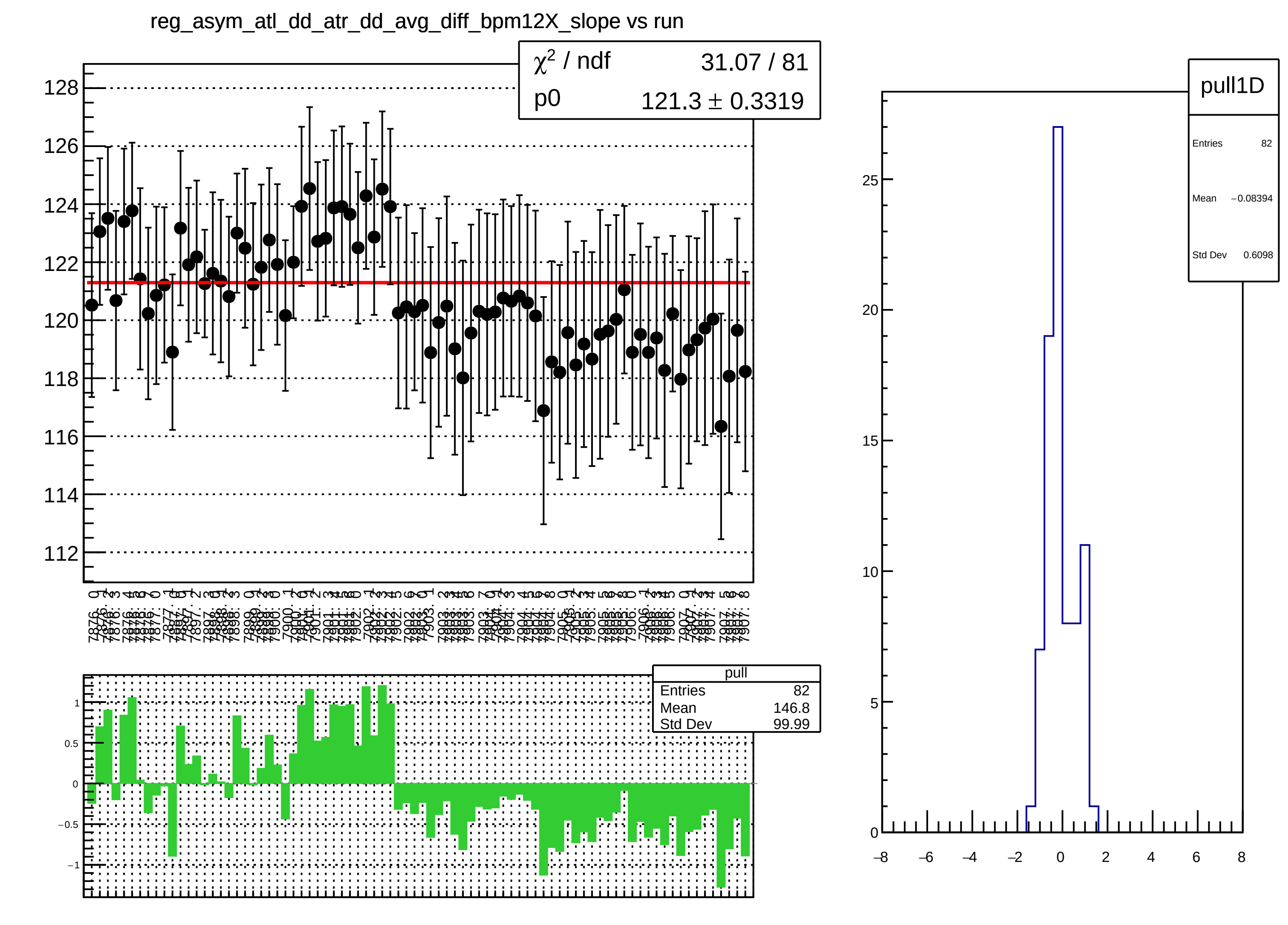
reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.235 / 81
p0 −25.14 ± 7.502
pull
Entries 82
Mean −46.5
Std Dev 91.62
pull1D
Entries 82
Mean −0.02332
Std Dev 0.2748



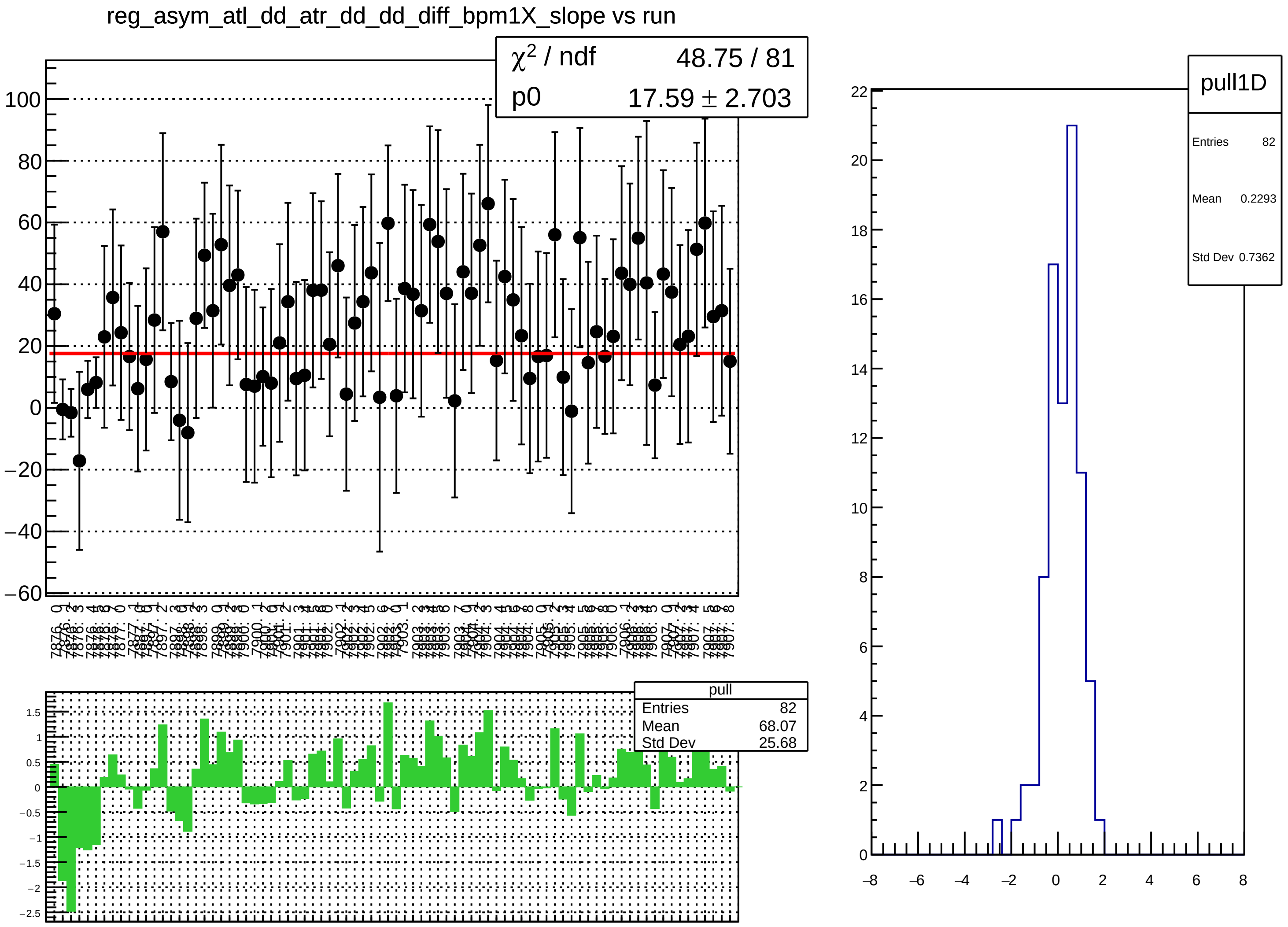
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 337.2 / 81
p0 −199.7 ± 5.599
pull
Entries 82
Mean 50.36
Std Dev 12.72
pull1D
Entries 82
Mean 1.095
Std Dev 1.707

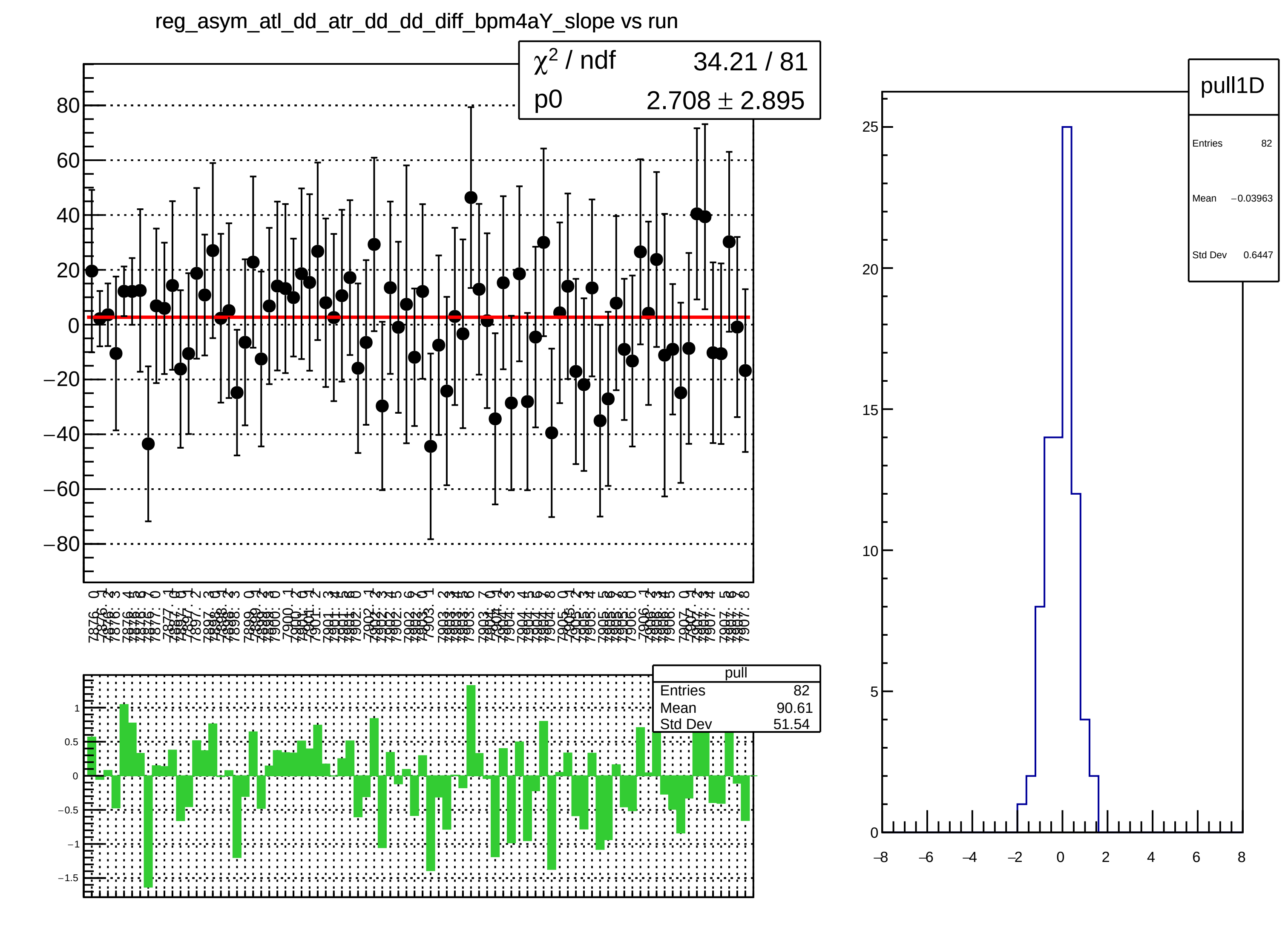


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.704 / 81
p0 −10.06 ± 9.525
pull
Entries 82
Mean 41.98
Std Dev 11.47
pull1D
Entries 82
Mean 0.03993
Std Dev 0.2607

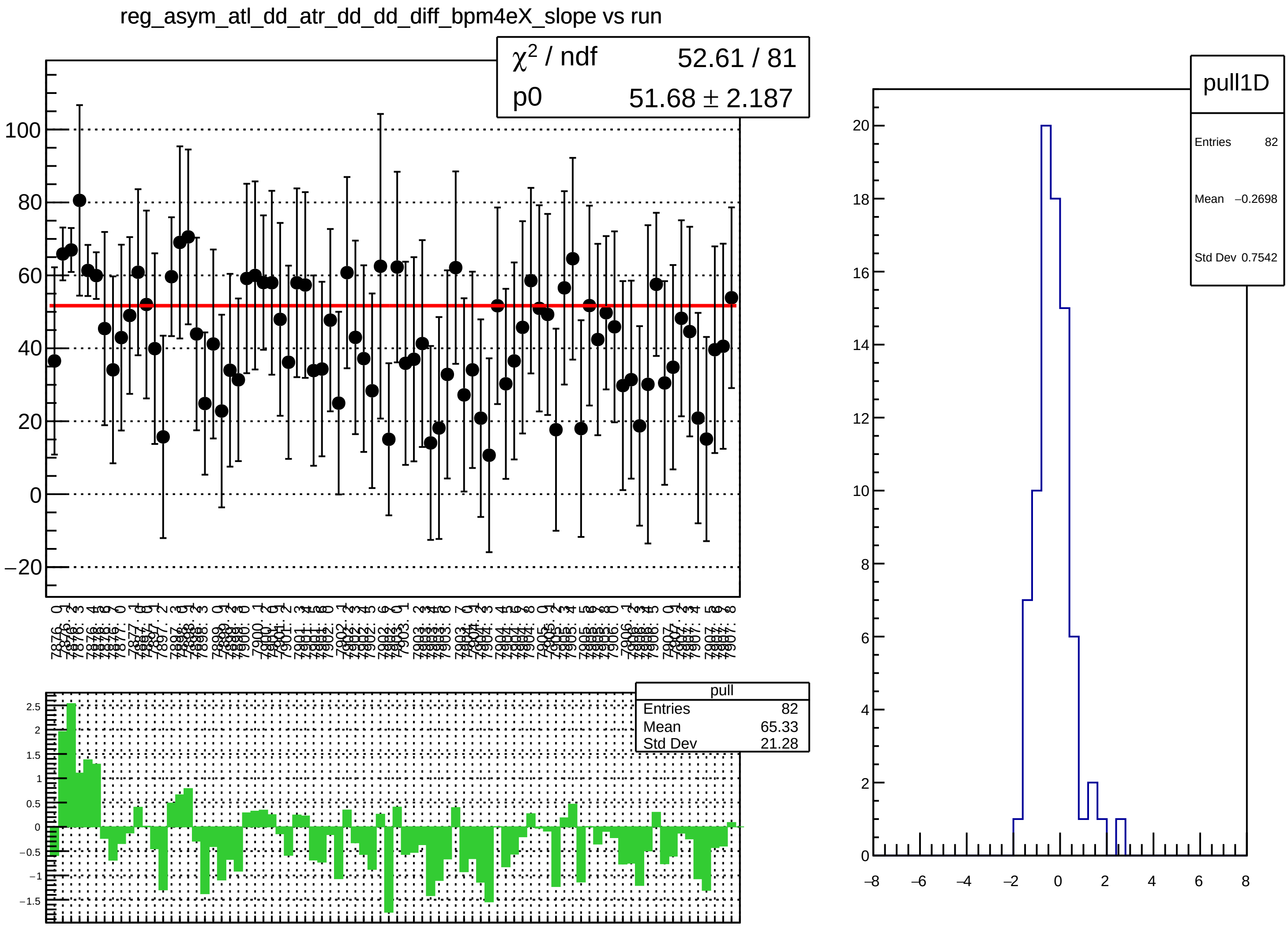


reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 31.07 / 81
p0 121.3 ± 0.3319
pull
Entries 82
Mean 146.8
Std Dev 99.99
pull1D
Entries 82
Mean −0.08394
Std Dev 0.6098

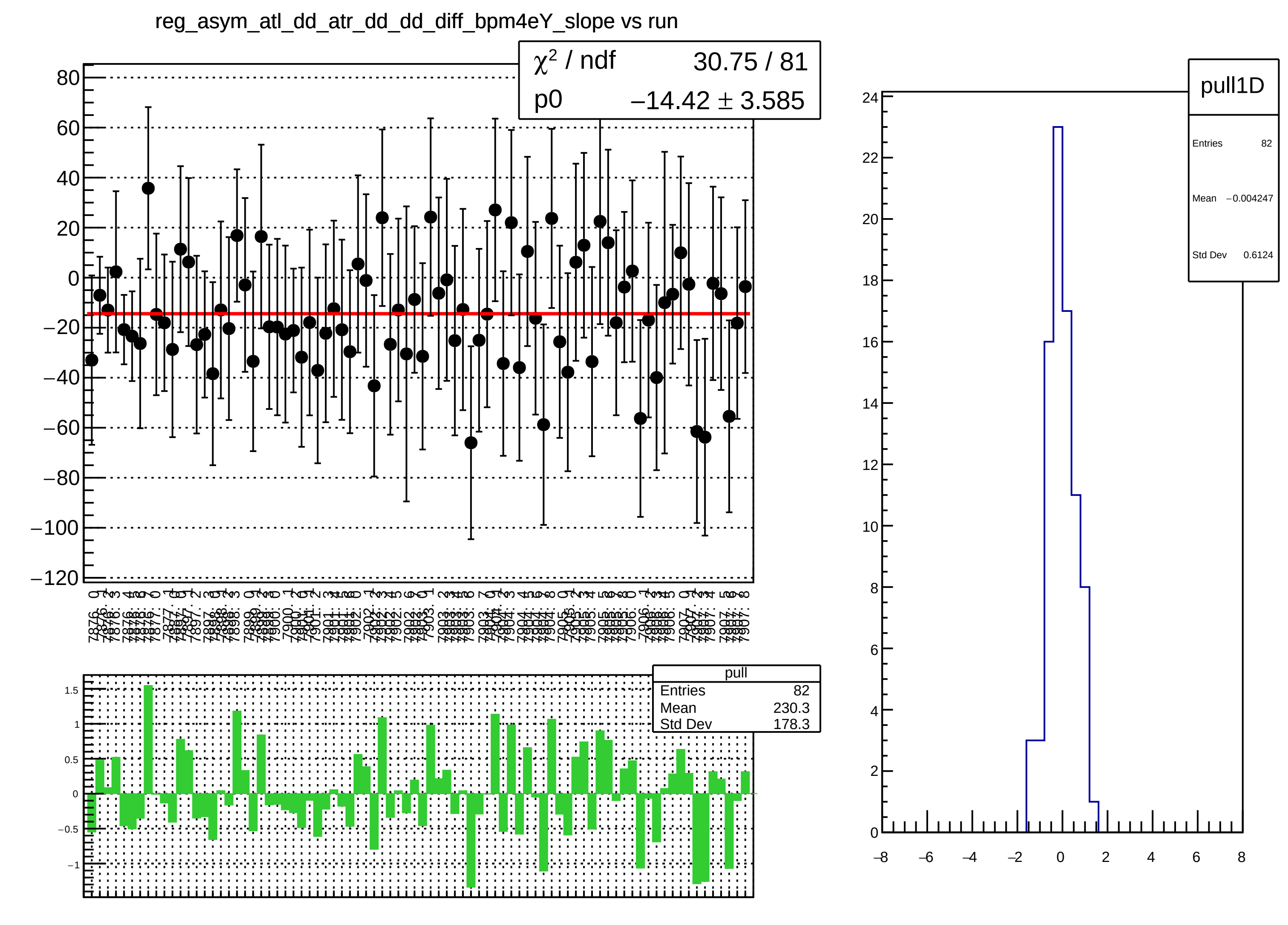

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ2 / ndf 48.75 / 81
p0 17.59 ± 2.703
pull
Entries 82
Mean 68.07
Std Dev 25.68
pull1D
Entries 82
Mean 0.2293
Std Dev 0.7362



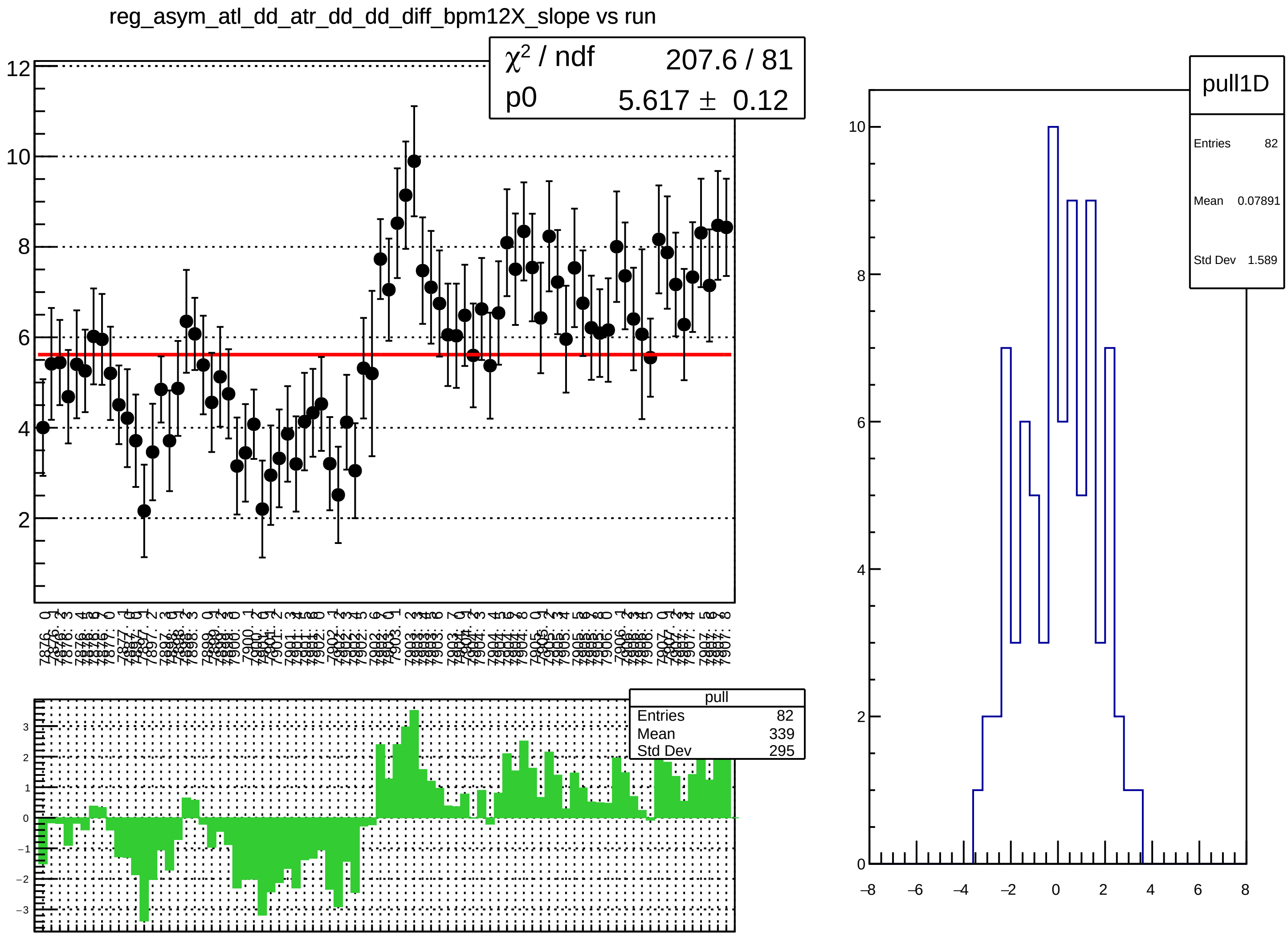
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 34.21 / 81
p0 2.708 ± 2.895
pull
Entries 82
Mean 90.61
Std Dev 51.54
pull1D
Entries 82
Mean −0.03963
Std Dev 0.6447



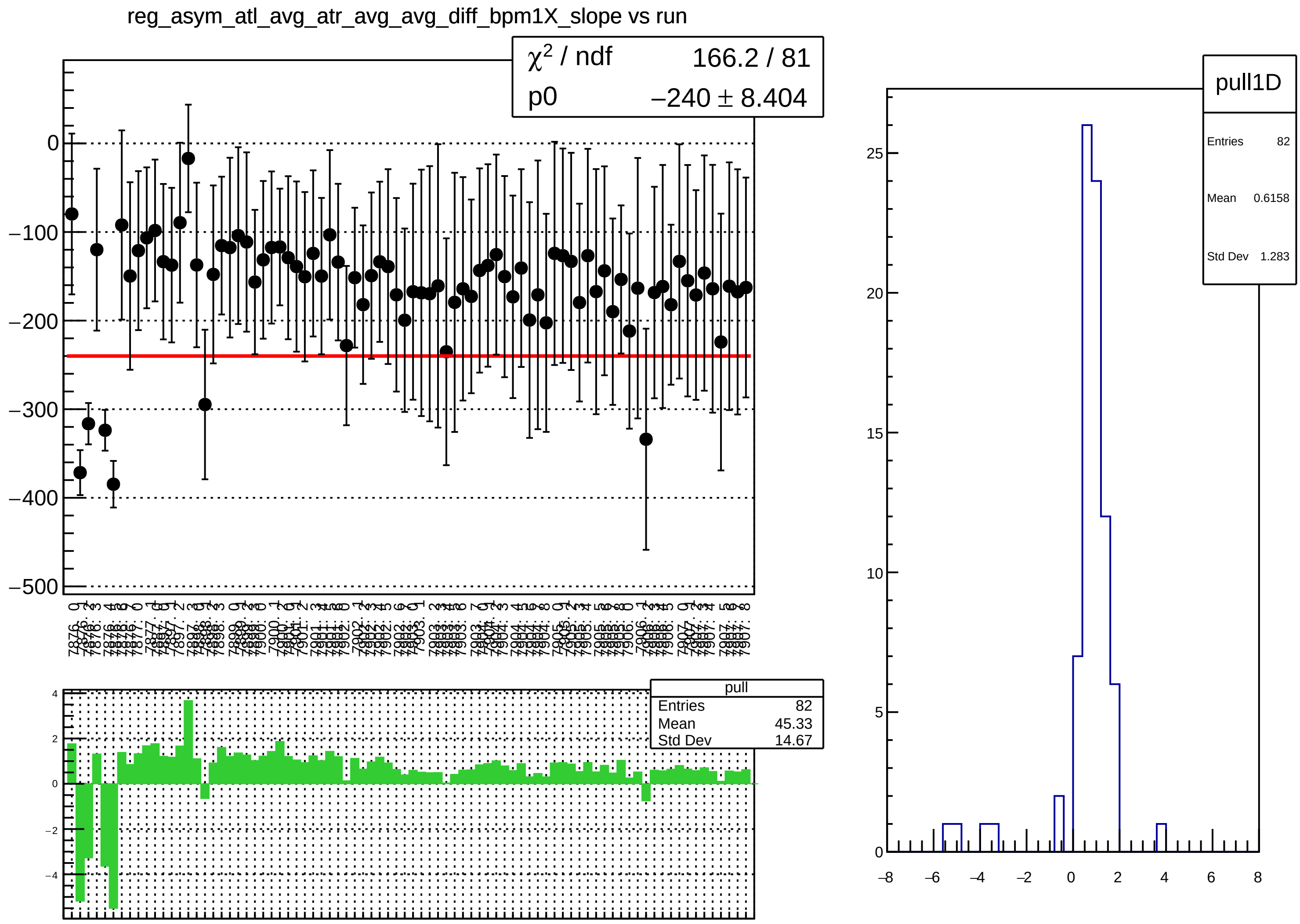
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 52.61 / 81
p0 51.68 ± 2.187
pull
Entries 82
Mean 65.33
Std Dev 21.28
pull1D
Entries 82
Mean −0.2698
Std Dev 0.7542



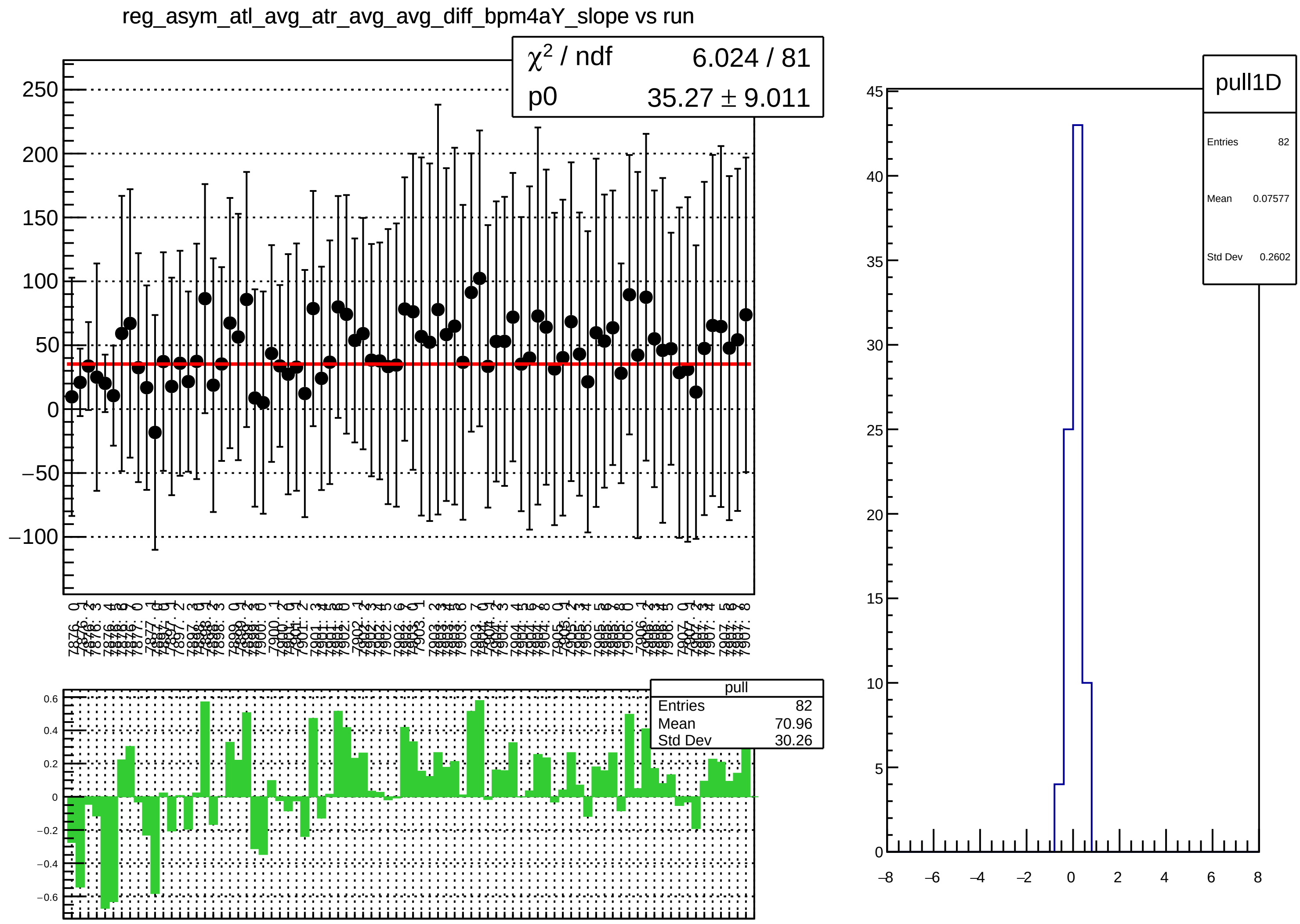
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 30.75 / 81
p0 −14.42 ± 3.585
pull
Entries 82
Mean 230.3
Std Dev 178.3
pull1D
Entries 82
Mean −0.004247
Std Dev 0.6124



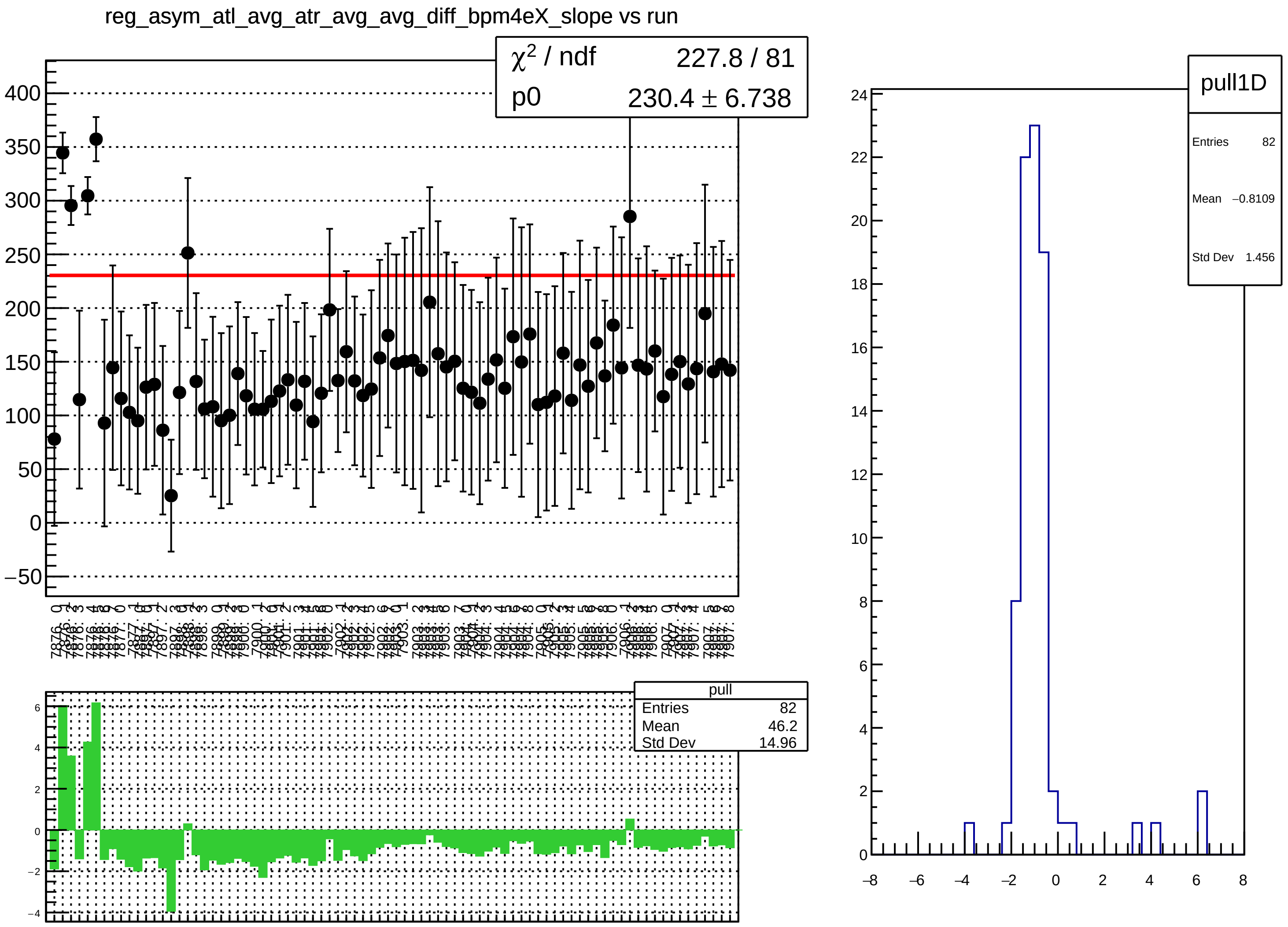
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 207.6 / 81
p0 5.617 ± 0.12
pull
Entries 82
Mean 339
Std Dev 295
pull1D
Entries 82
Mean 0.07891
Std Dev 1.589



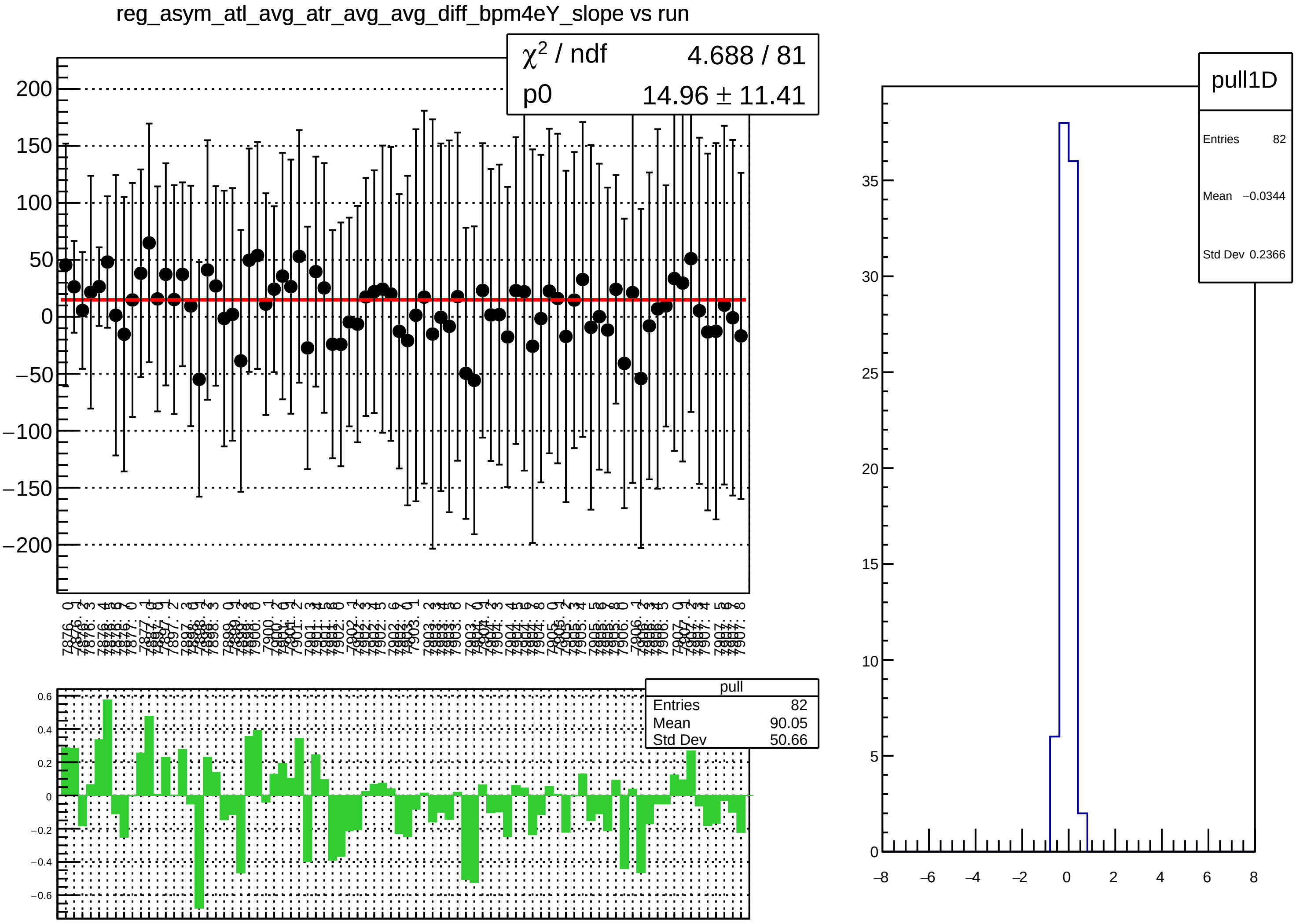
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ2 / ndf 166.2 / 81
p0 −240 ± 8.404
0
−100
−200
−300
−400
−500
pull
Entries 82
Mean 45.33
Std Dev 14.67
4
2
0
−2
−4
pull1D
Entries 82
Mean 0.6158
Std Dev 1.283
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



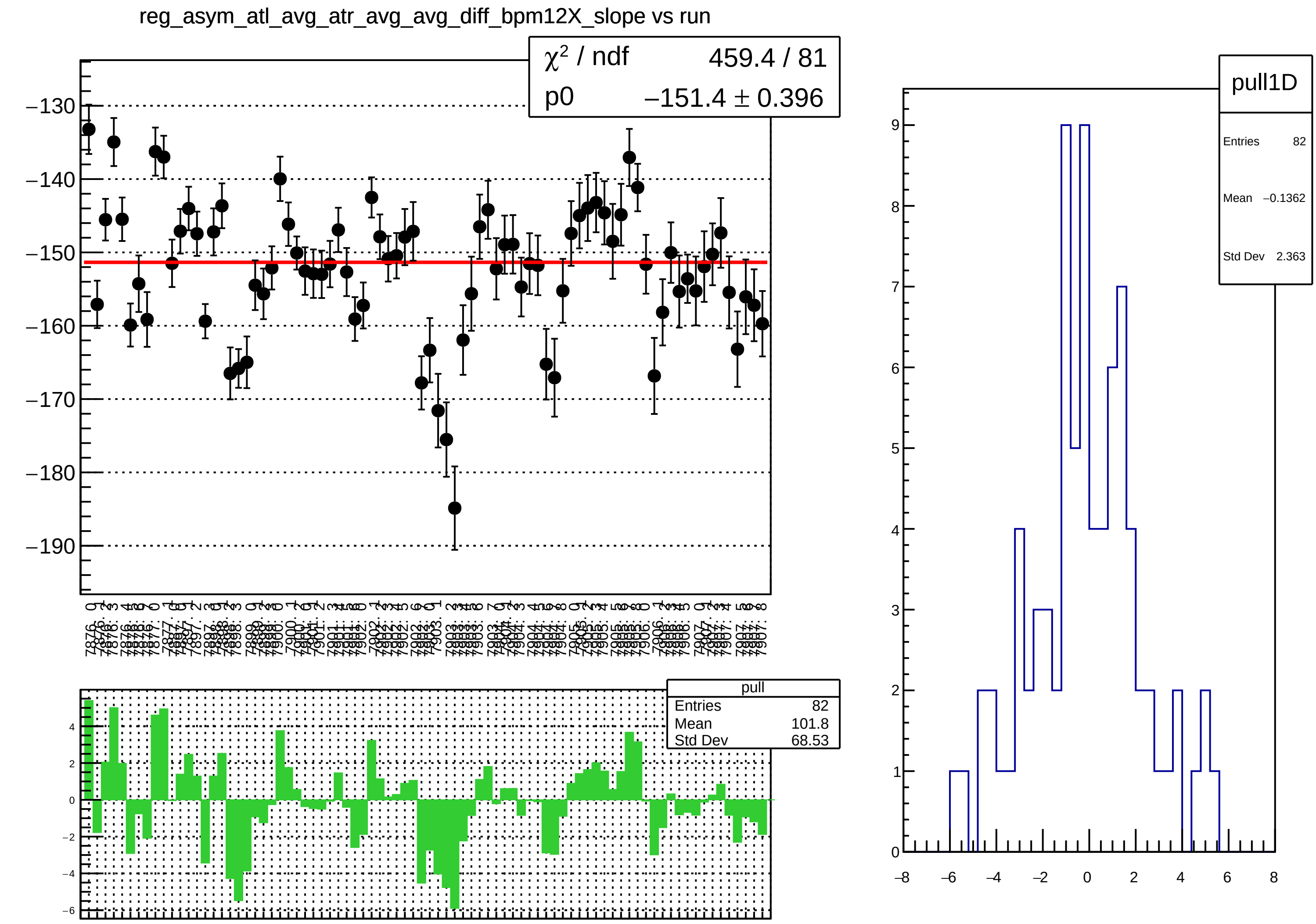
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ2 / ndf 6.024 / 81
p0 35.27 ± 9.011
pull
Entries 82
Mean 70.96
Std Dev 30.26
pull1D
Entries 82
Mean 0.07577
Std Dev 0.2602



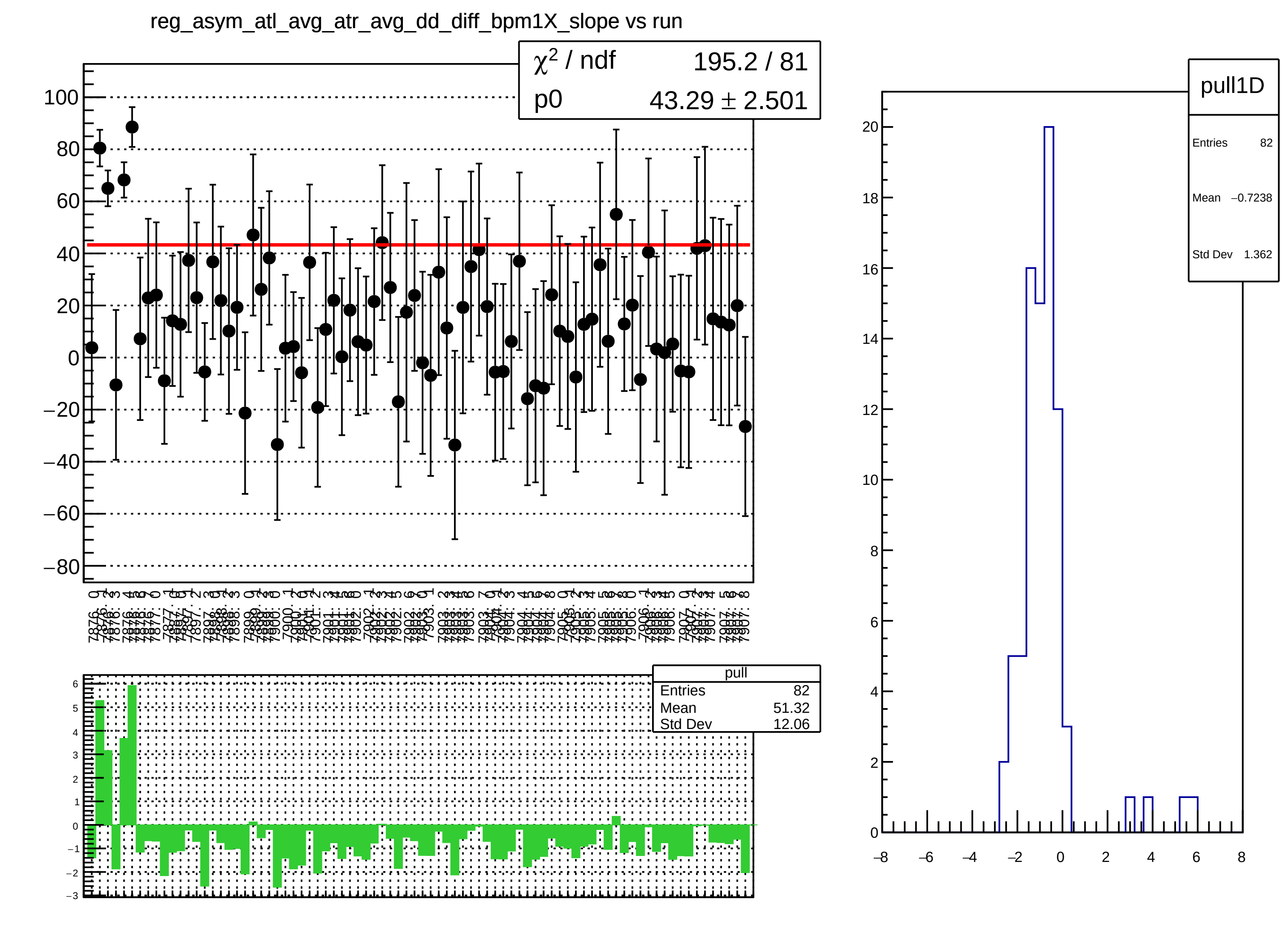
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ2 / ndf 227.8 / 81
p0 230.4 ± 6.738
pull
Entries 82
Mean 46.2
Std Dev 14.96
pull1D
Entries 82
Mean −0.8109
Std Dev 1.456

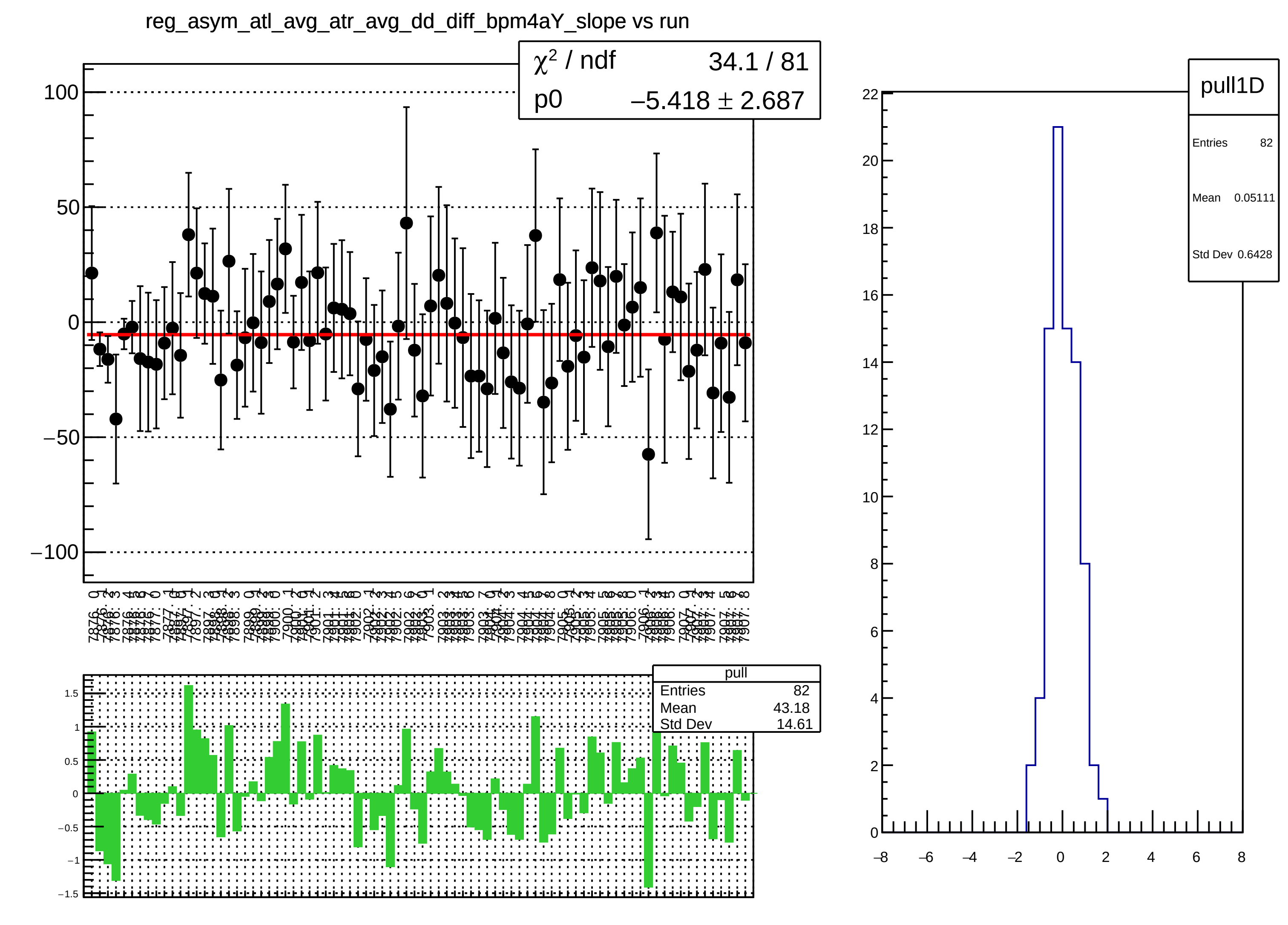


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ2 / ndf 4.688 / 81
p0 14.96 ± 11.41
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 90.05
Std Dev 50.66
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean −0.0344
Std Dev 0.2366
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

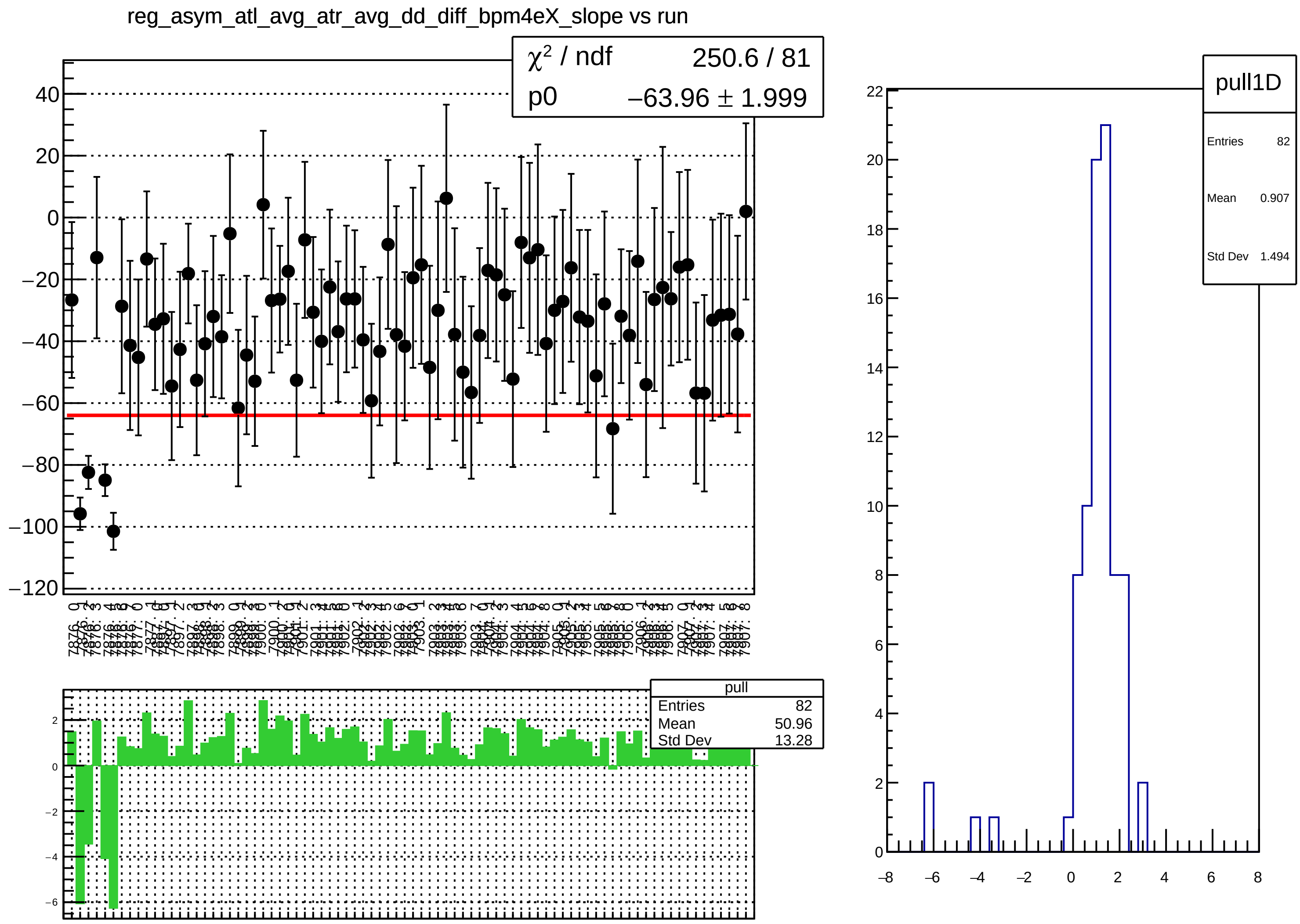


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ2 / ndf 459.4 / 81
p0 −151.4 ± 0.396
−130
−140
−150
−160
−170
−180
−190
pull
Entries 82
Mean 101.8
Std Dev 68.53
4
2
0
−2
−4
−6
pull1D
Entries 82
Mean −0.1362
Std Dev 2.363
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

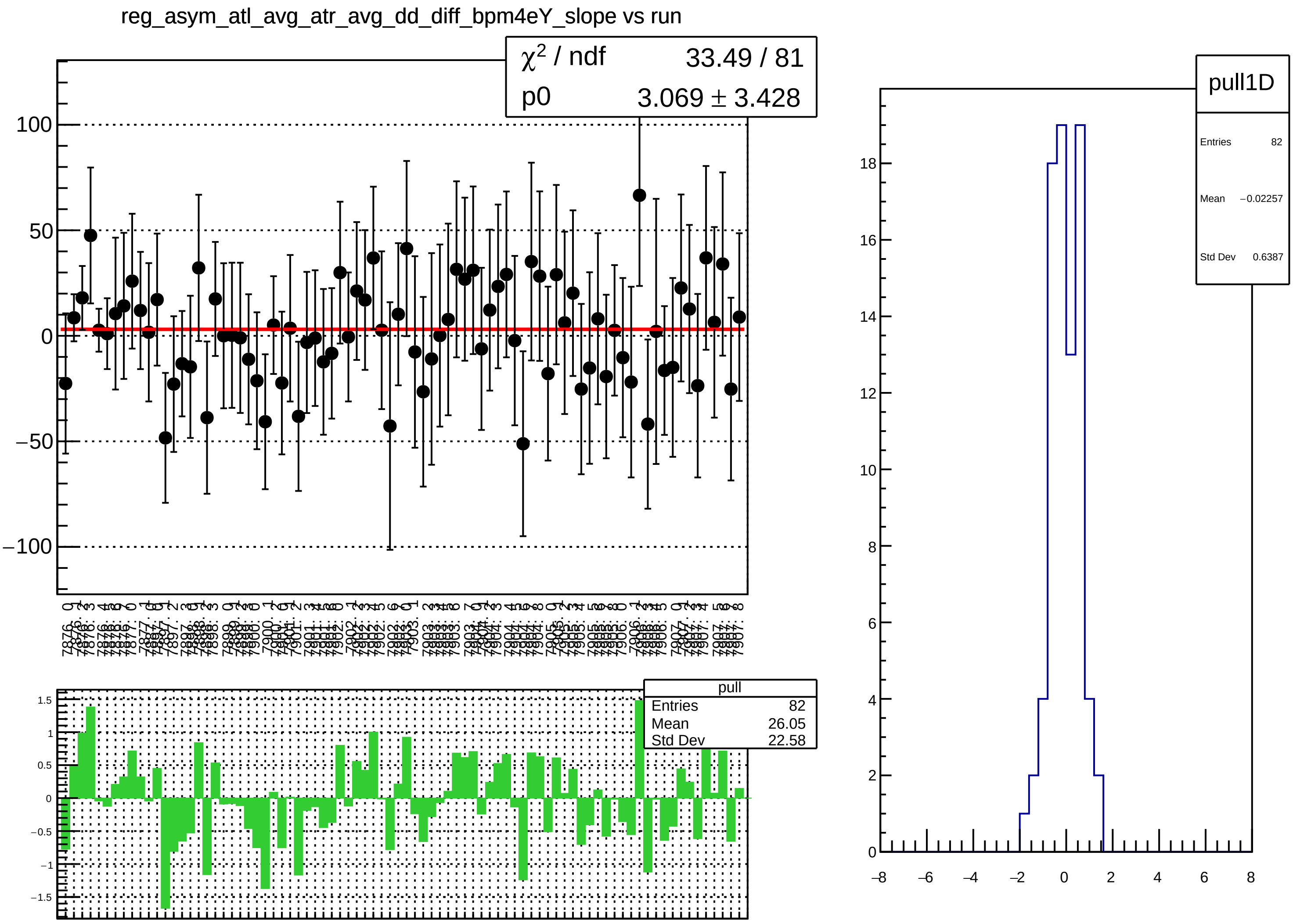

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 195.2 / 81
p0 43.29 ± 2.501
pull
Entries 82
Mean 51.32
Std Dev 12.06
pull1D
Entries 82
Mean −0.7238
Std Dev 1.362



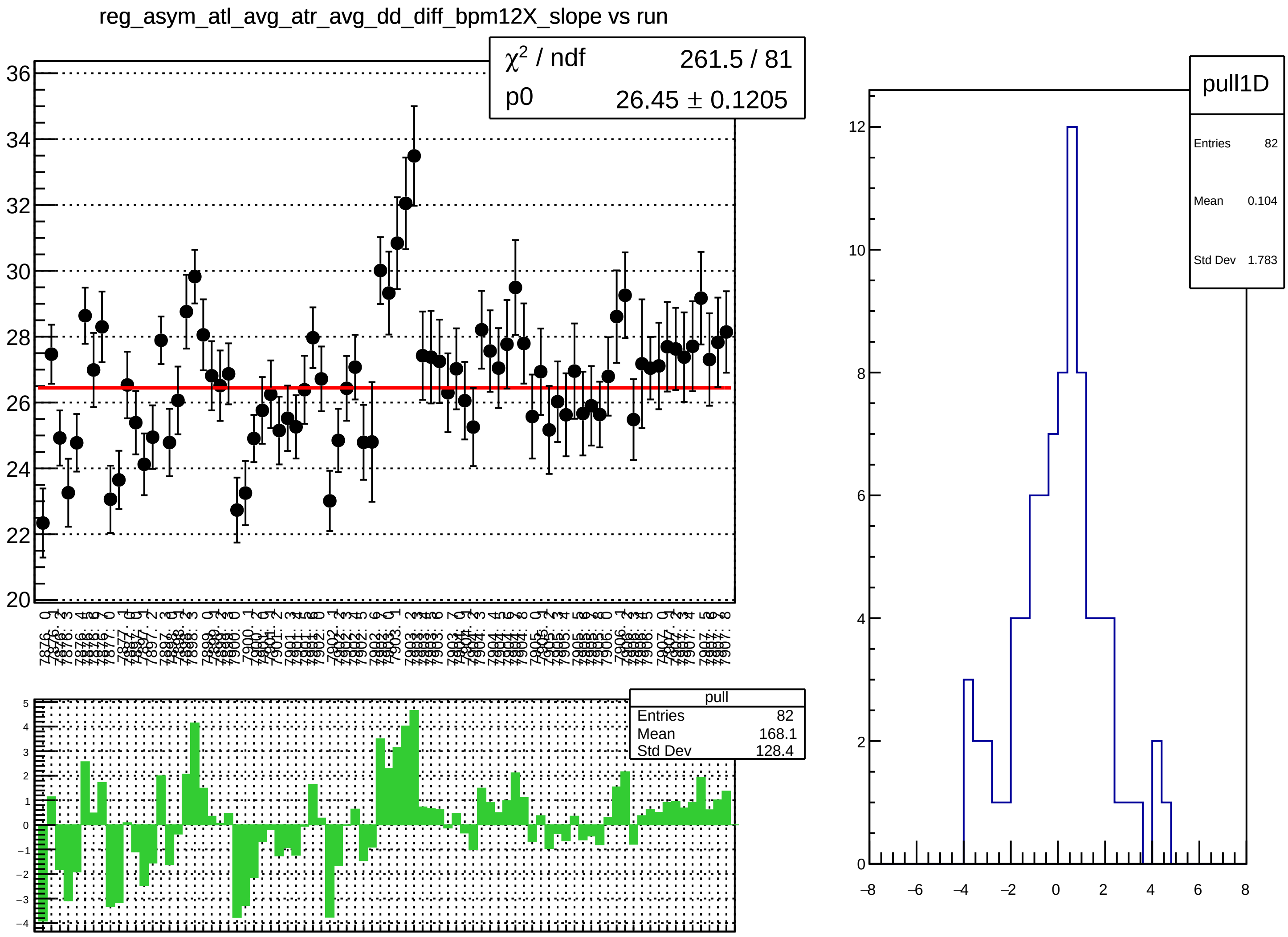
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 34.1 / 81
p0 −5.418 ± 2.687
pull
Entries 82
Mean 43.18
Std Dev 14.61
pull1D
Entries 82
Mean 0.05111
Std Dev 0.6428



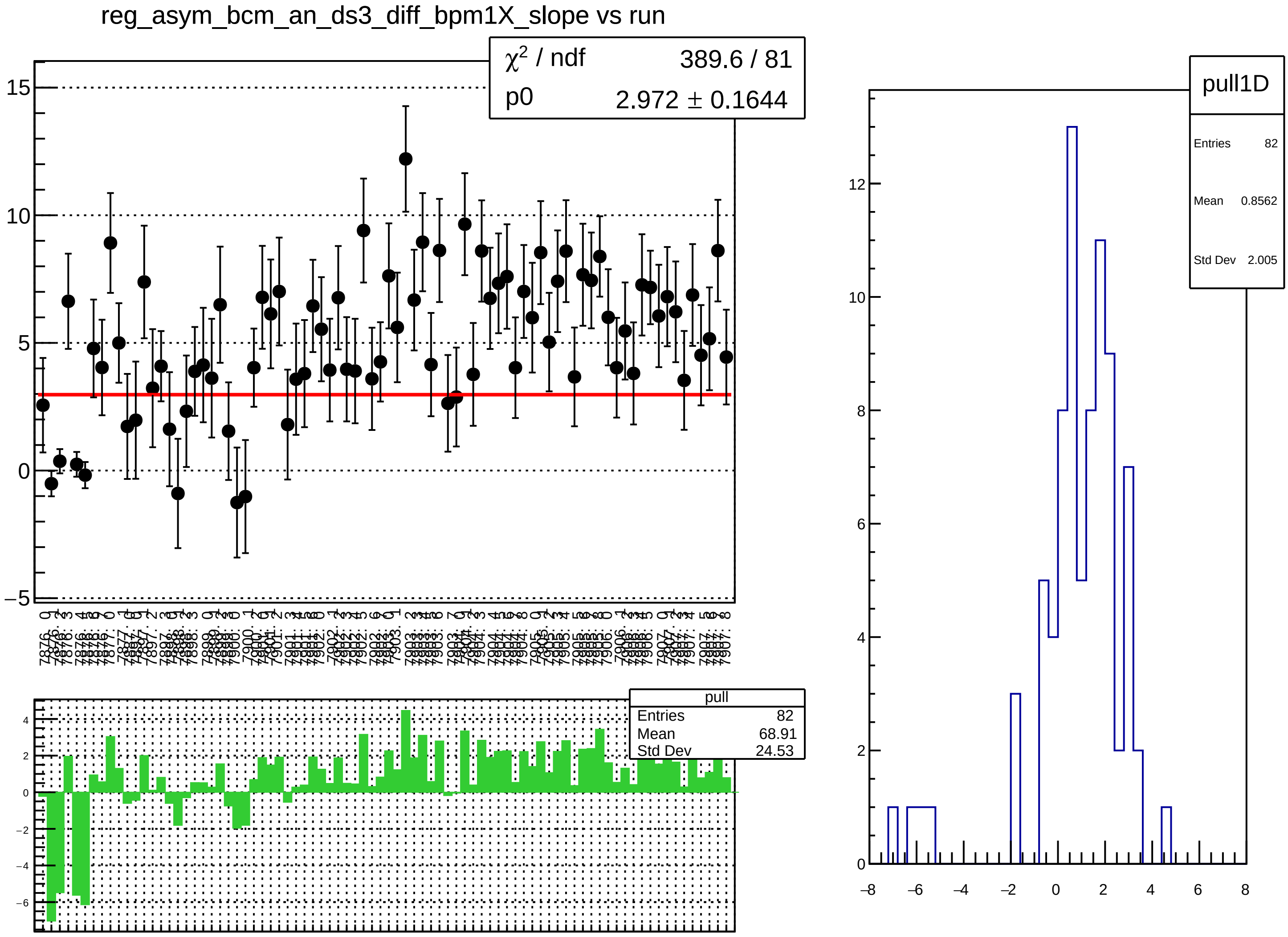
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 250.6 / 81
p0 −63.96 ± 1.999
pull
Entries 82
Mean 50.96
Std Dev 13.28
pull1D
Entries 82
Mean 0.907
Std Dev 1.494



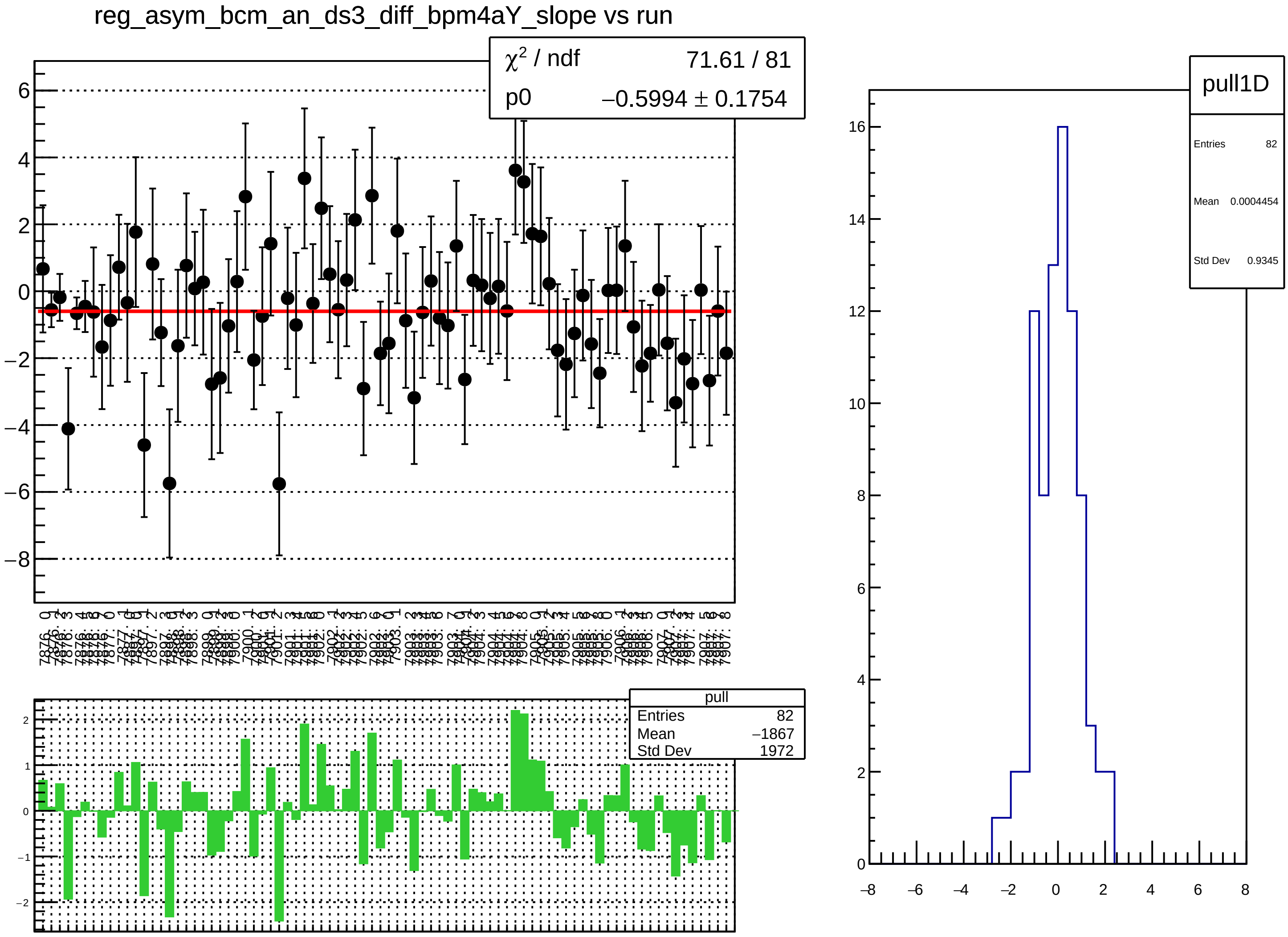
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 33.49 / 81
p0 3.069 ± 3.428
100
50
0
−50
−100
pull
Entries 82
Mean 26.05
Std Dev 22.58
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.02257
Std Dev 0.6387
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



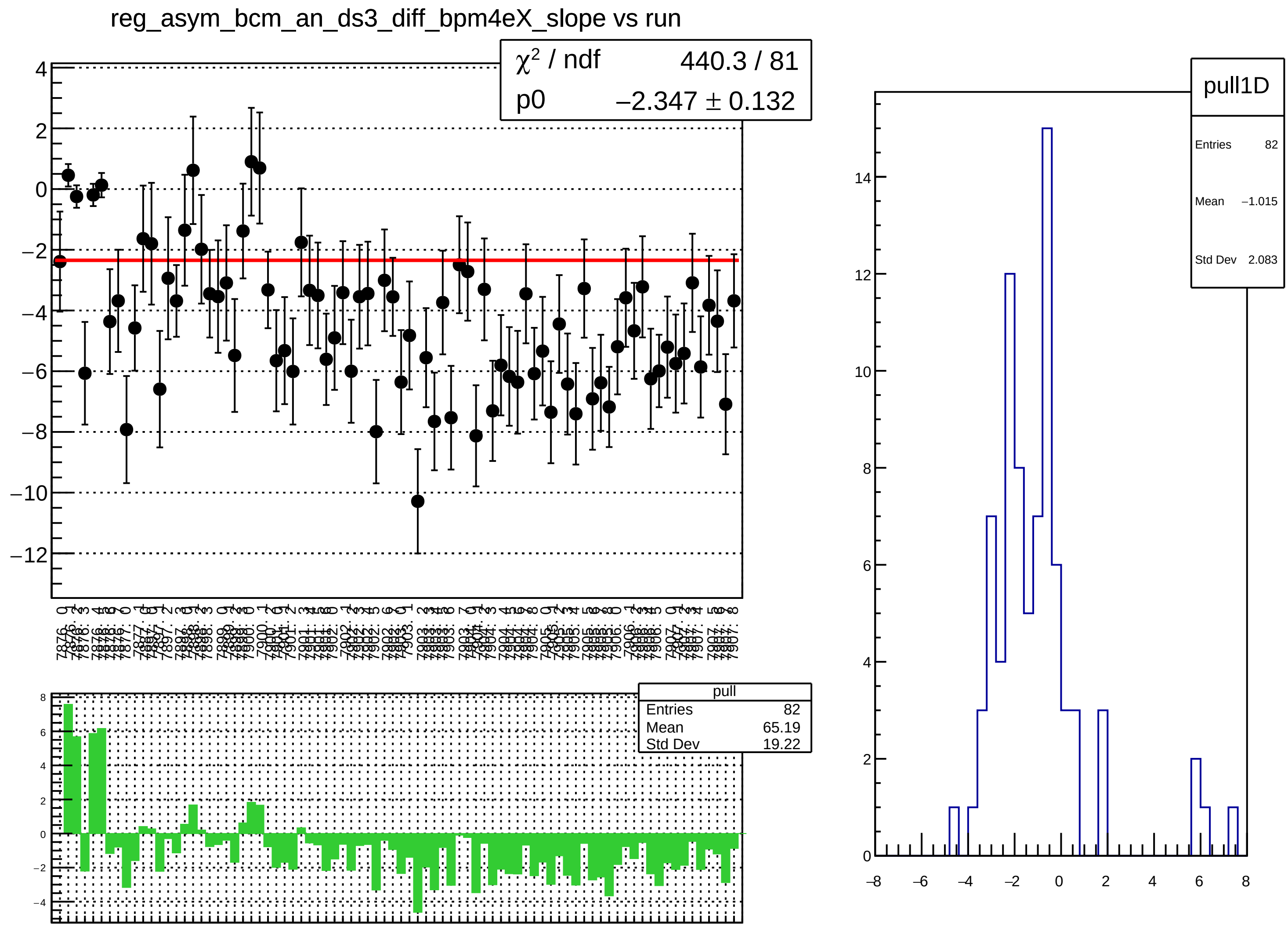
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 261.5 / 81
p0 26.45 ± 0.1205
pull
Entries 82
Mean 168.1
Std Dev 128.4
pull1D
Entries 82
Mean 0.104
Std Dev 1.783



reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / 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

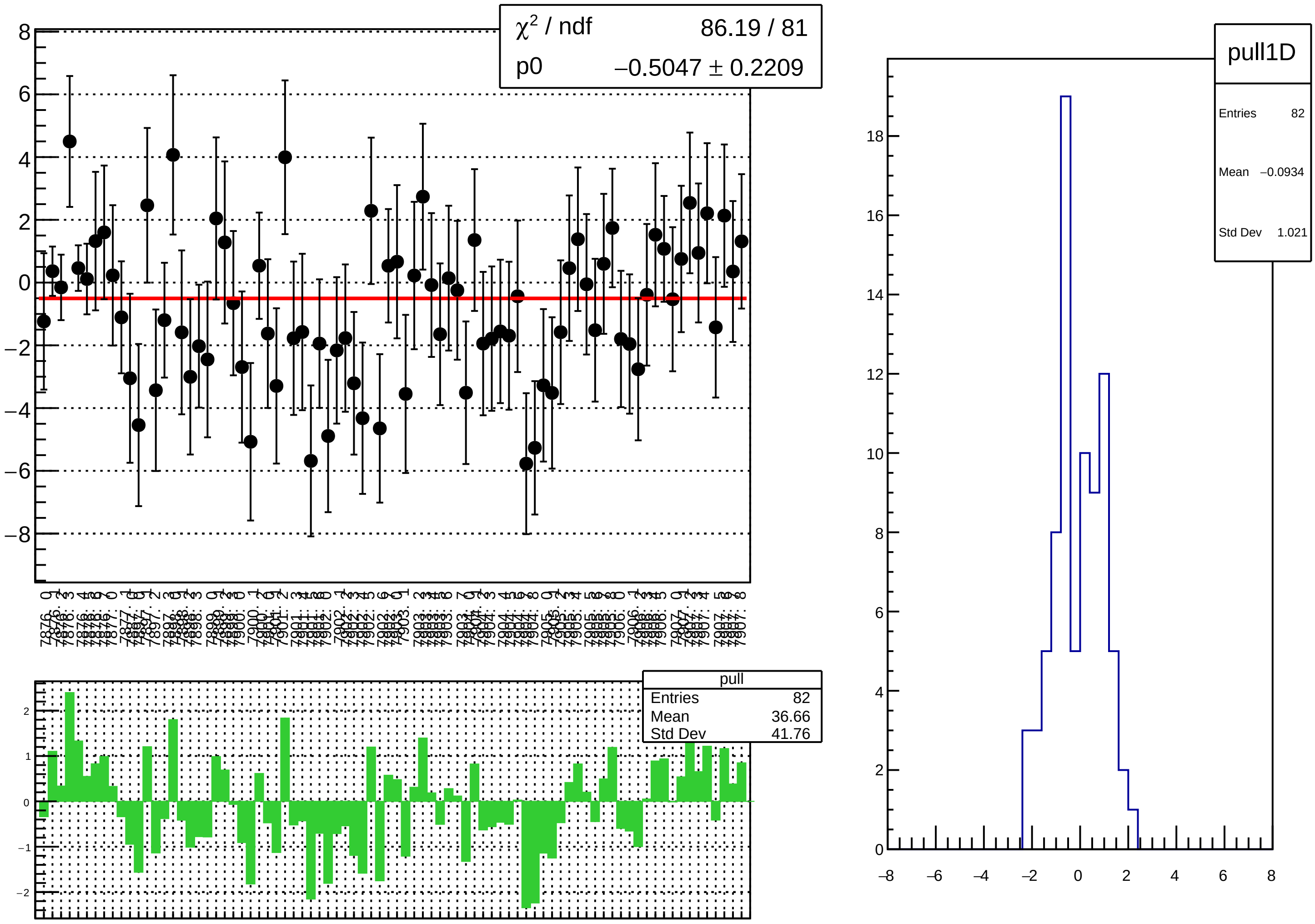


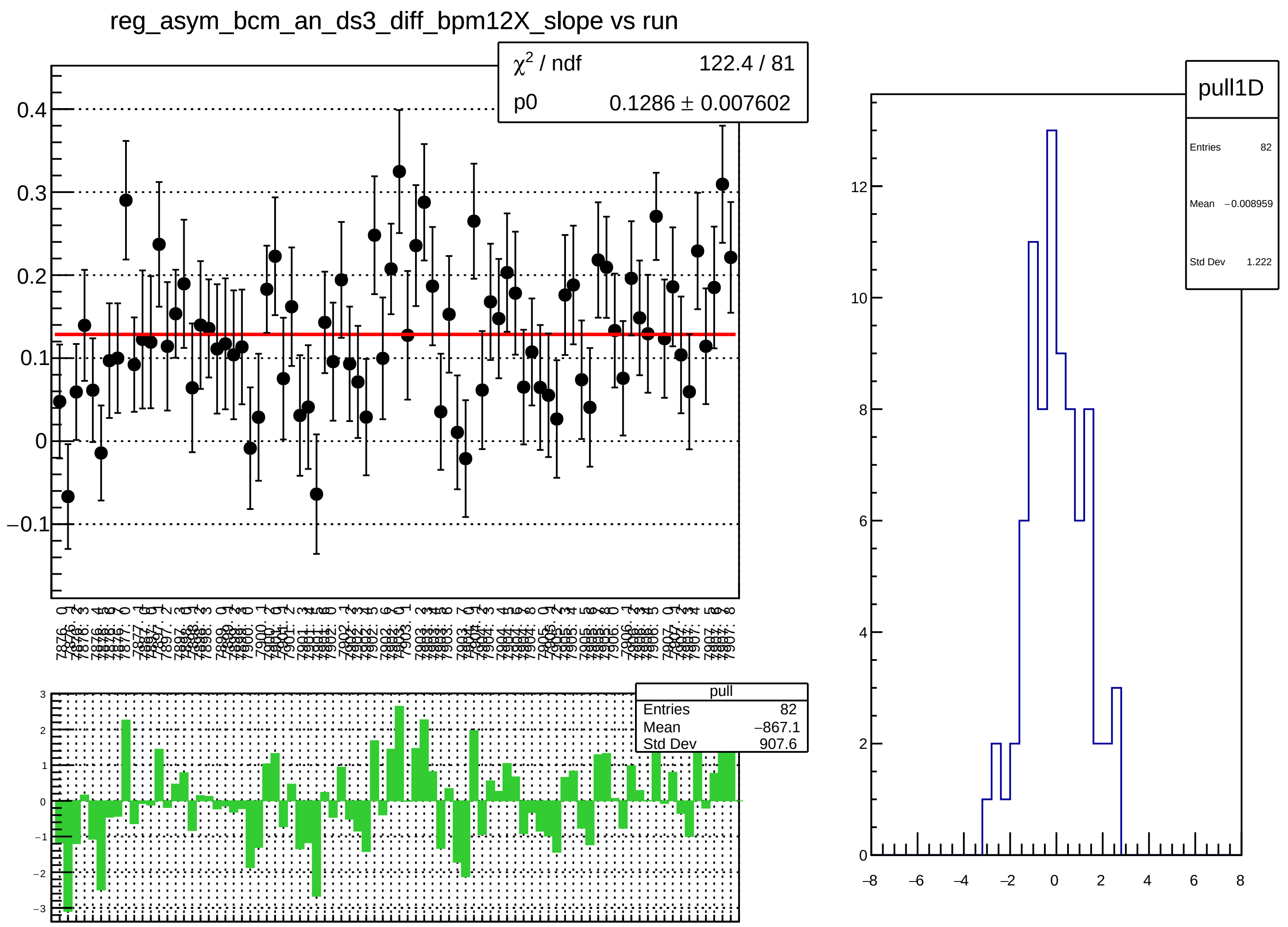
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 71.61 / 81
p0 −0.5994 ± 0.1754
pull
Entries 82
Mean −1867
Std Dev 1972
pull1D
Entries 82
Mean 0.0004454
Std Dev 0.9345



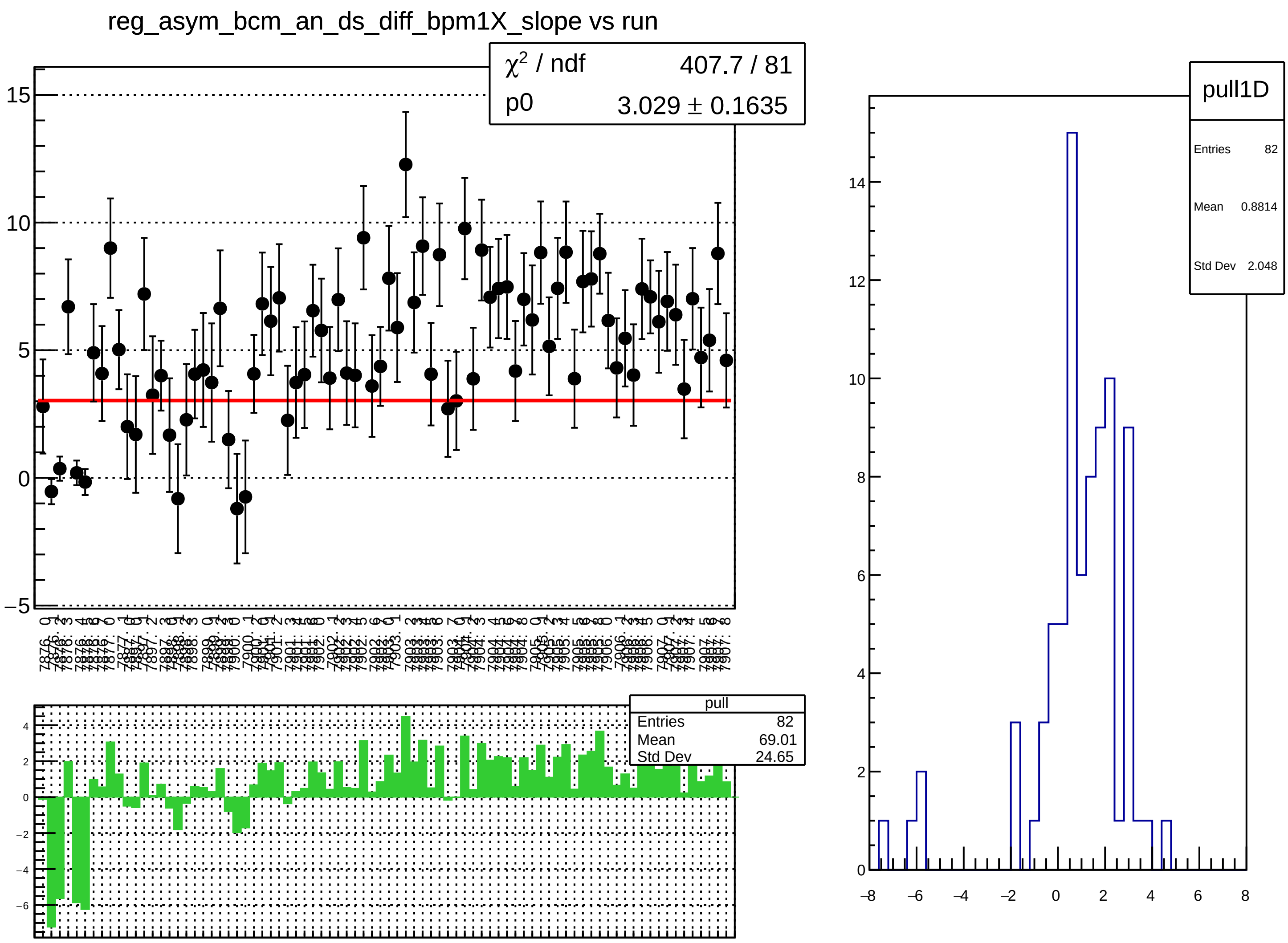
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 440.3 / 81
p0 −2.347 ± 0.132
pull
Entries 82
Mean 65.19
Std Dev 19.22
pull1D
Entries 82
Mean −1.015
Std Dev 2.083

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run

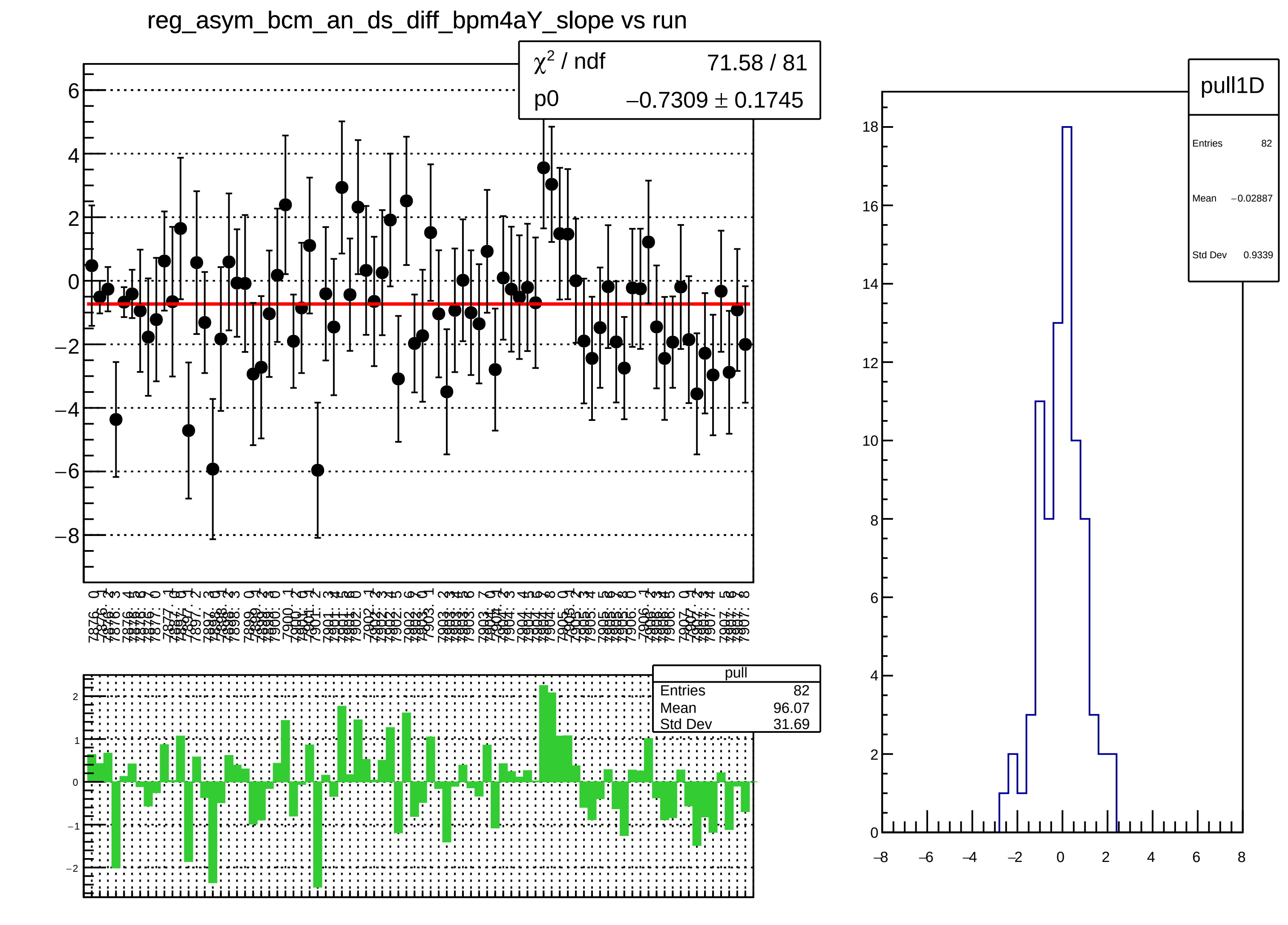




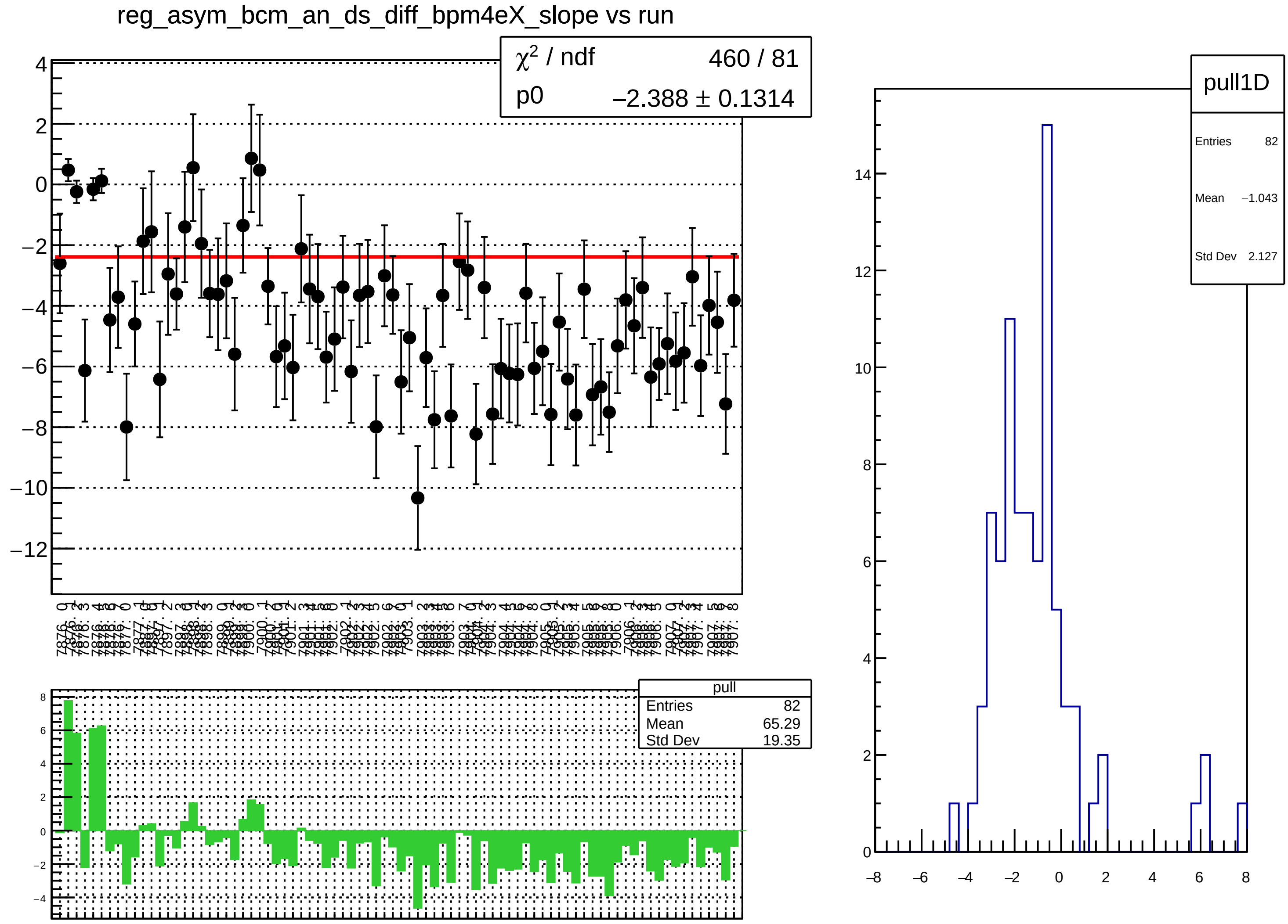
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 122.4 / 81
p0 0.1286 ± 0.007602
pull
Entries 82
Mean −867.1
Std Dev 907.6
pull1D
Entries 82
Mean −0.008959
Std Dev 1.222



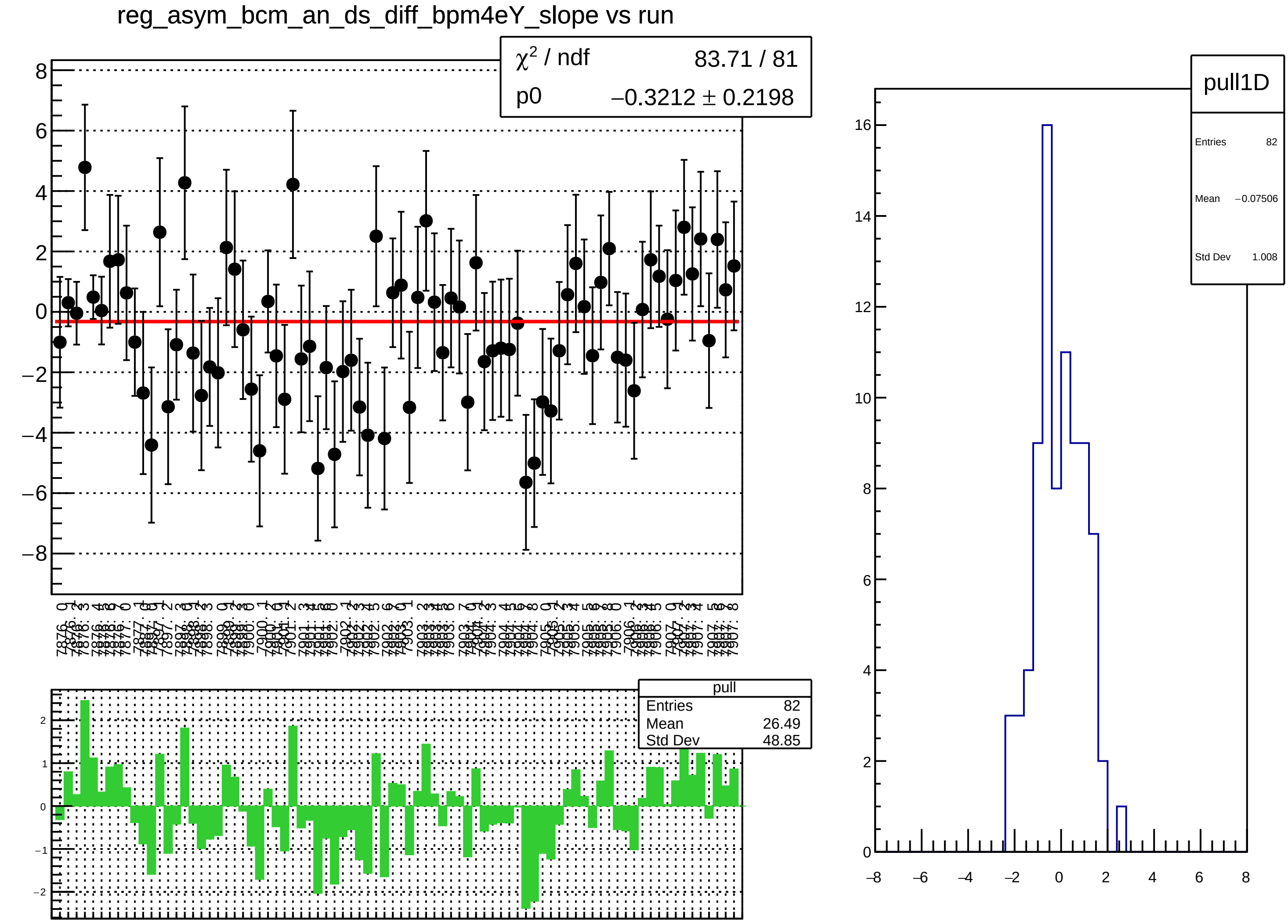
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 407.7 / 81
p0 3.029 ± 0.1635
pull
Entries 82
Mean 69.01
Std Dev 24.65
pull1D
Entries 82
Mean 0.8814
Std Dev 2.048

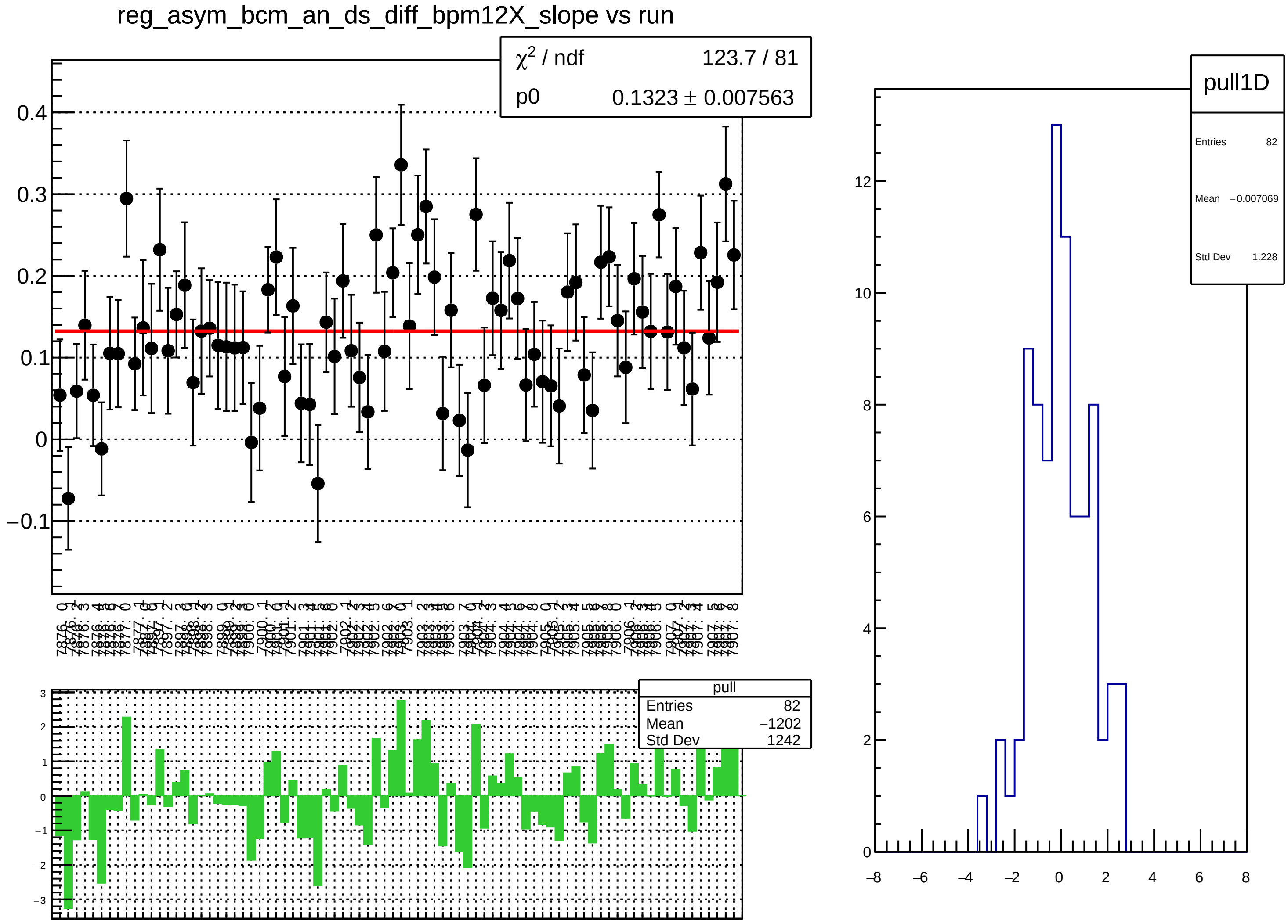


reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 71.58 / 81
p0 −0.7309 ± 0.1745
pull
Entries 82
Mean 96.07
Std Dev 31.69
pull1D
Entries 82
Mean −0.02887
Std Dev 0.9339

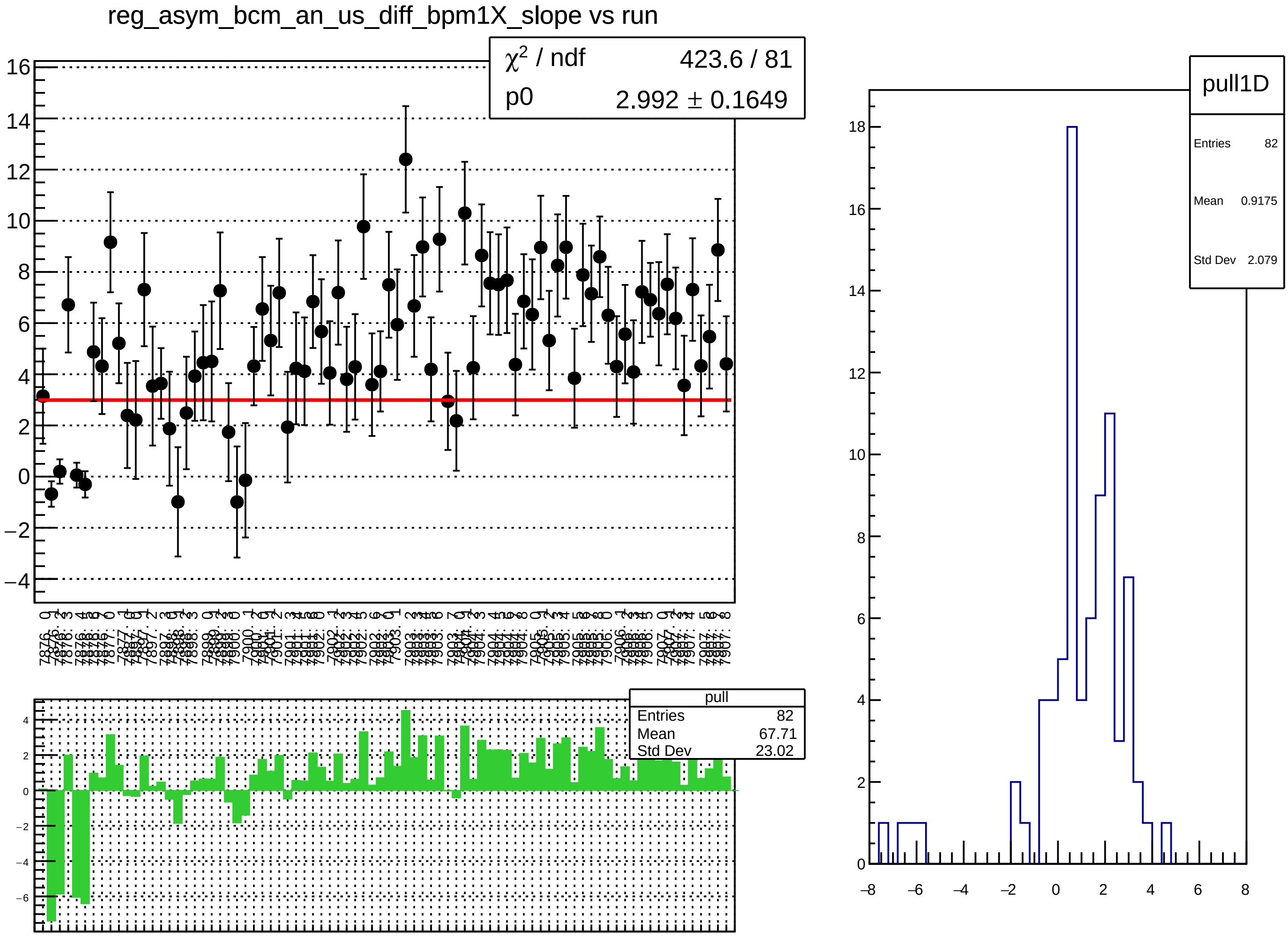


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ2 / ndf 460 / 81
p0 −2.388 ± 0.1314
pull
Entries 82
Mean 65.29
Std Dev 19.35
pull1D
Entries 82
Mean −1.043
Std Dev 2.127

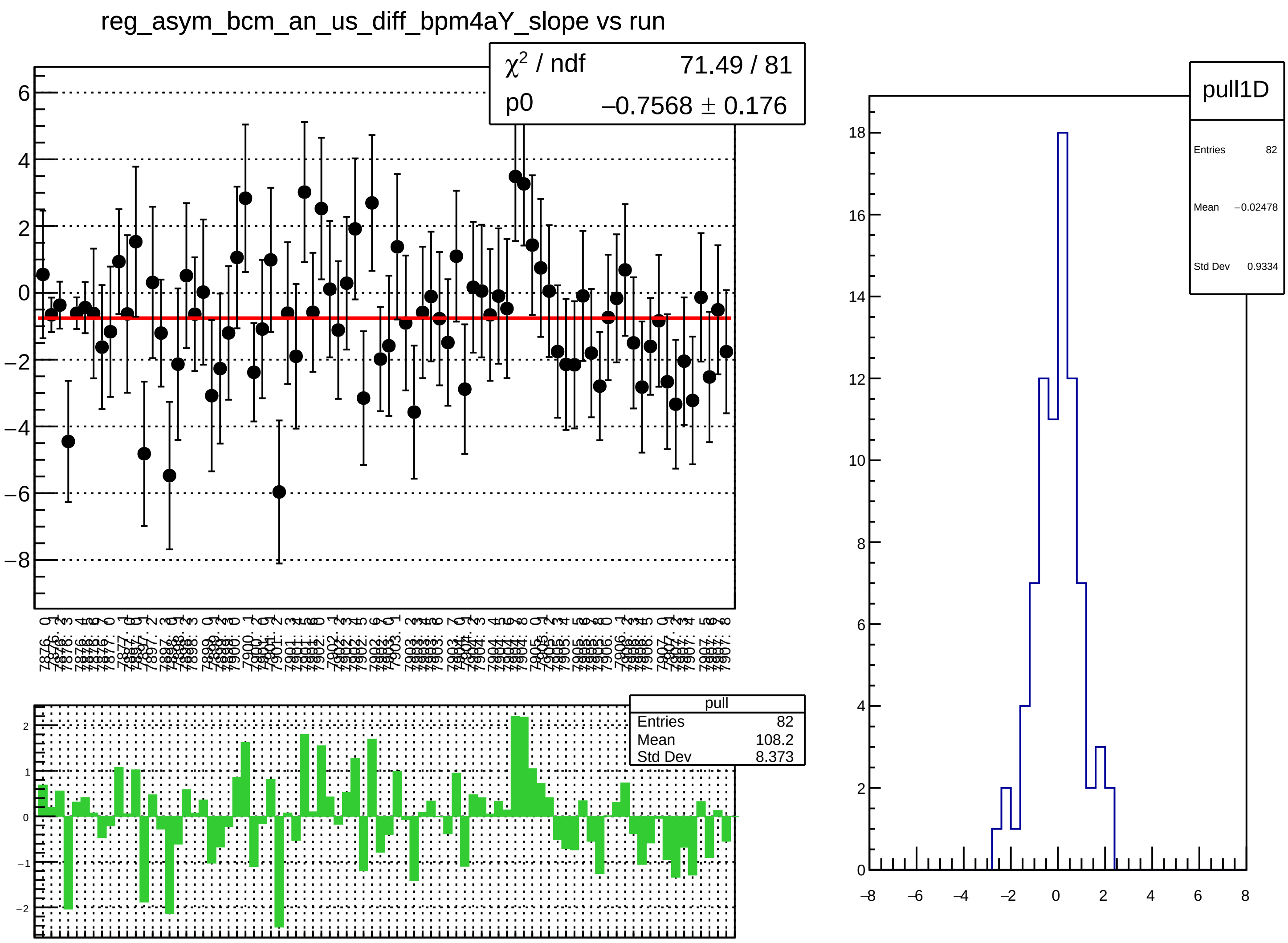

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 83.71 / 81
p0 −0.3212 ± 0.2198
pull
Entries 82
Mean 26.49
Std Dev 48.85
pull1D
Entries 82
Mean −0.07506
Std Dev 1.008



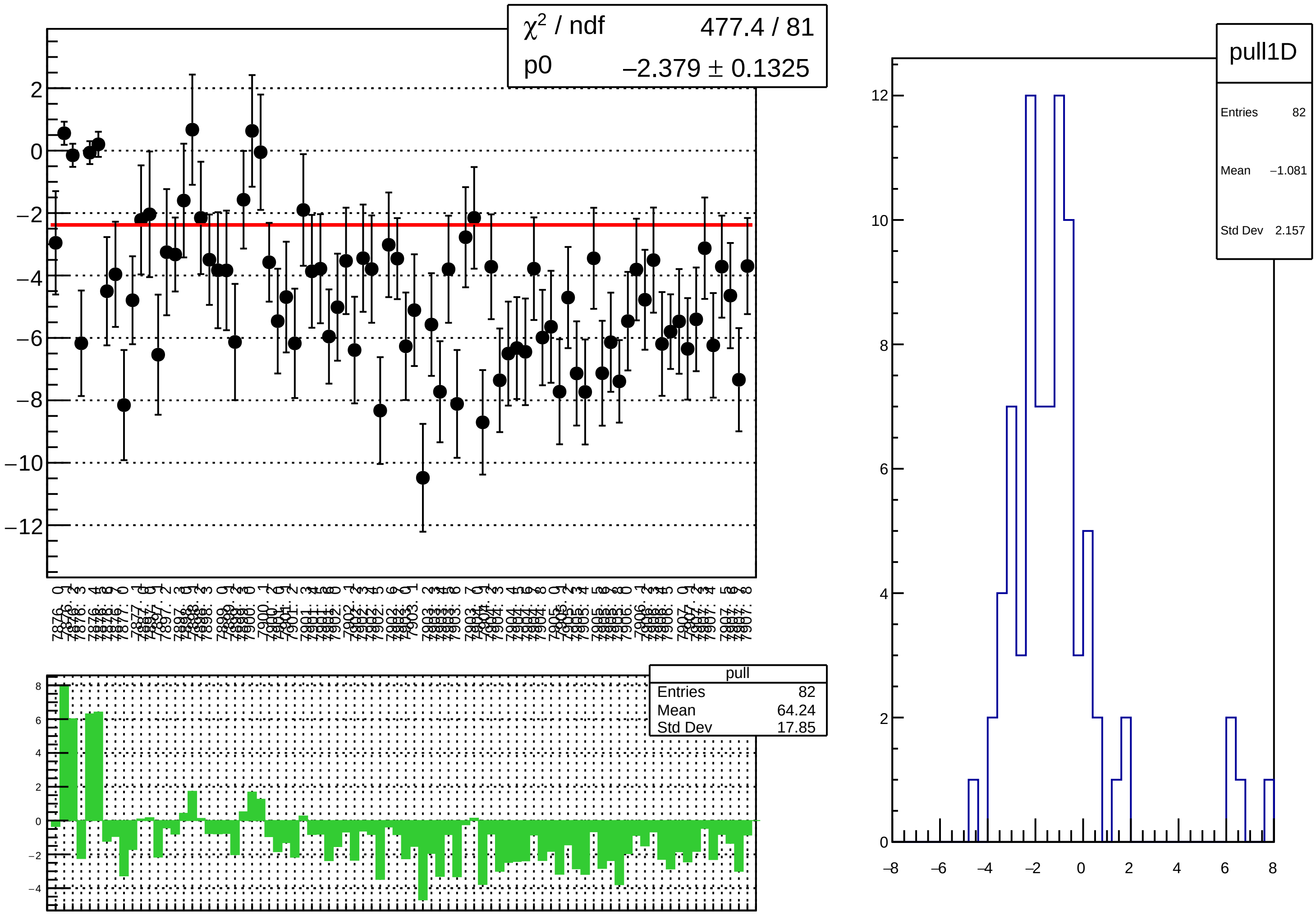
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 123.7 / 81
p0 0.1323 ± 0.007563
pull
Entries 82
Mean −1202
Std Dev 1242
pull1D
Entries 82
Mean −0.007069
Std Dev 1.228

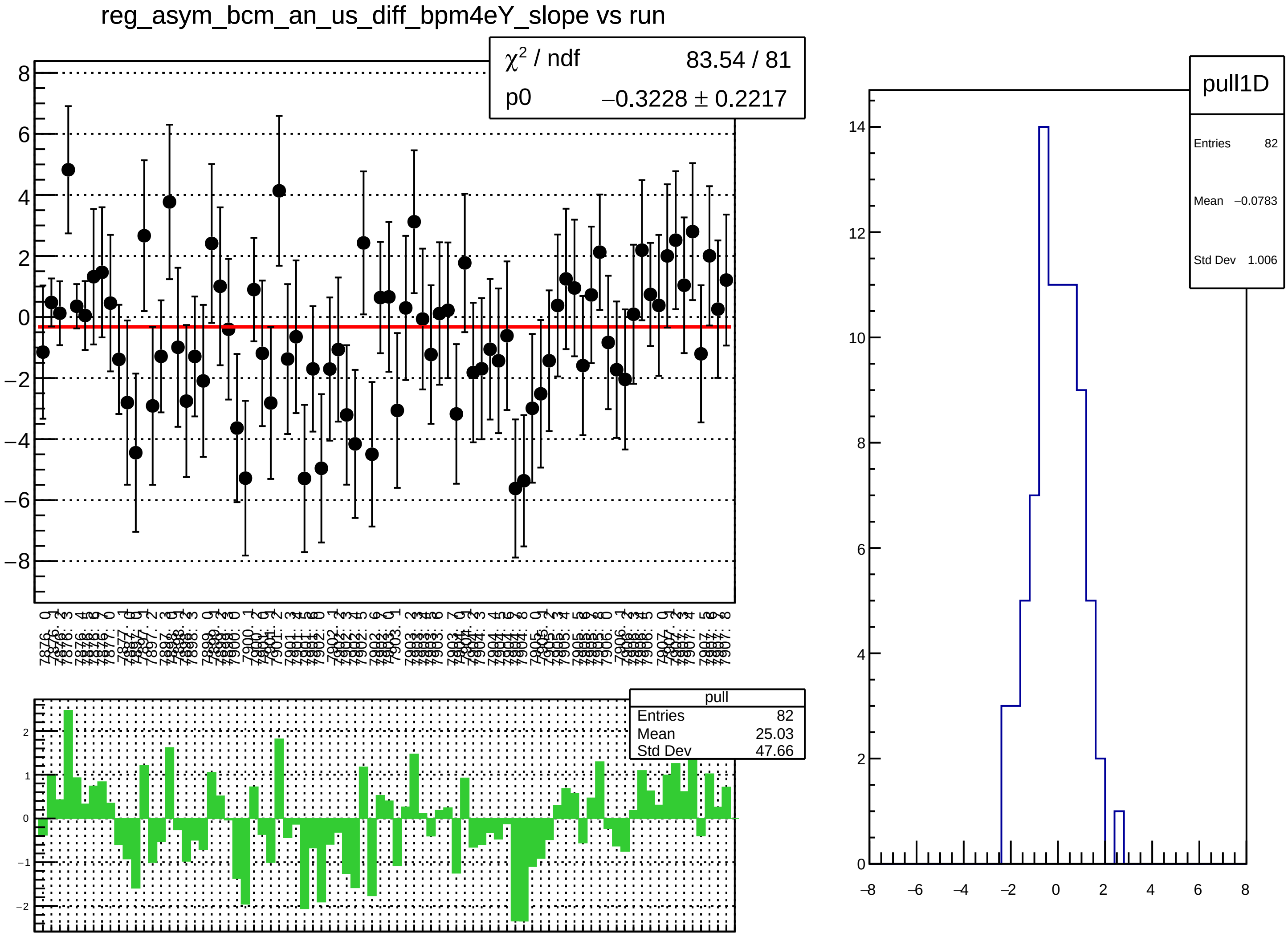


reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 423.6 / 81
p0 2.992 ± 0.1649
pull
Entries 82
Mean 67.71
Std Dev 23.02
pull1D
Entries 82
Mean 0.9175
Std Dev 2.079

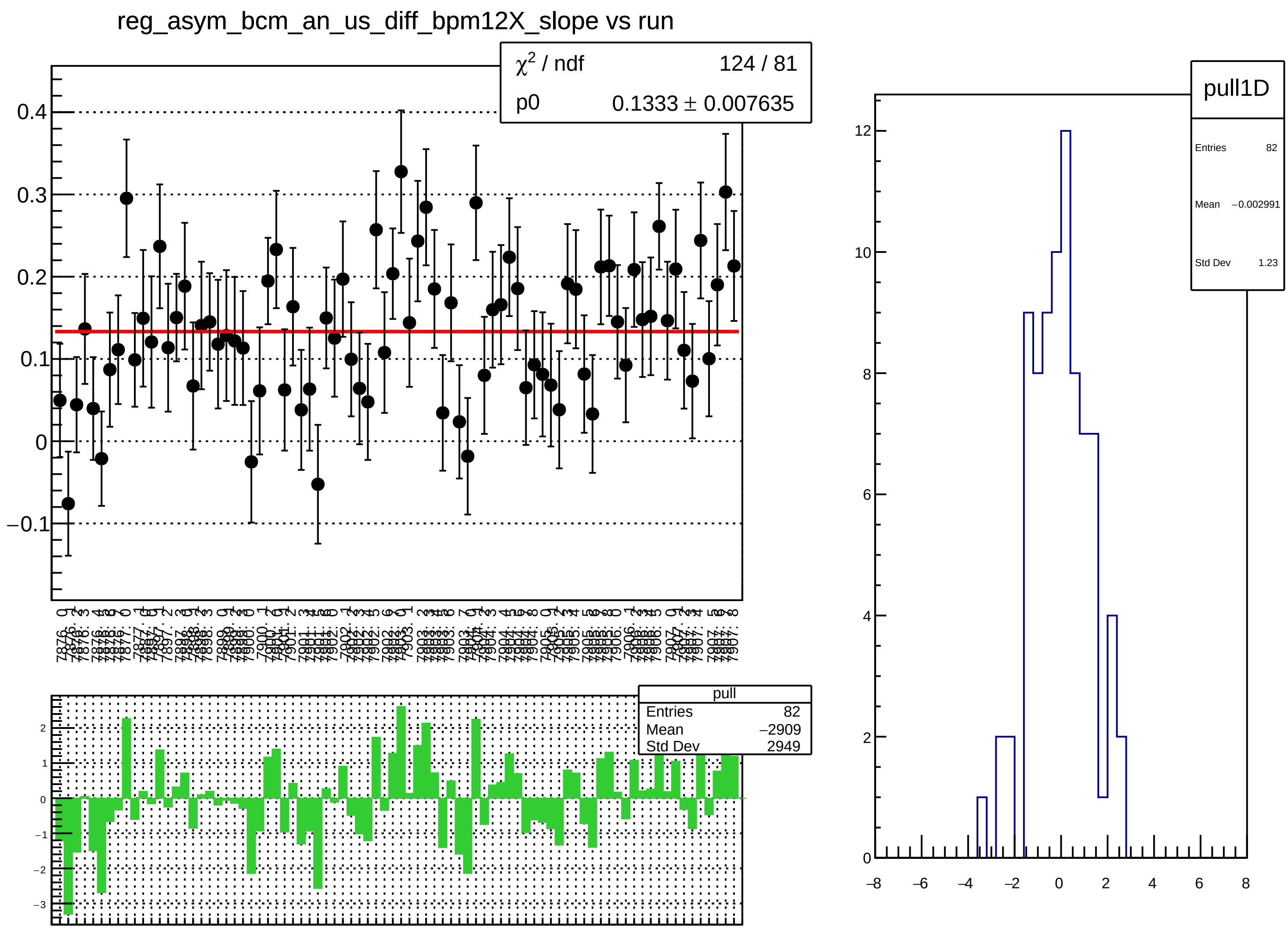

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 71.49 / 81
p0 −0.7568 ± 0.176
pull
Entries 82
Mean 108.2
Std Dev 8.373
pull1D
Entries 82
Mean −0.02478
Std Dev 0.9334

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run

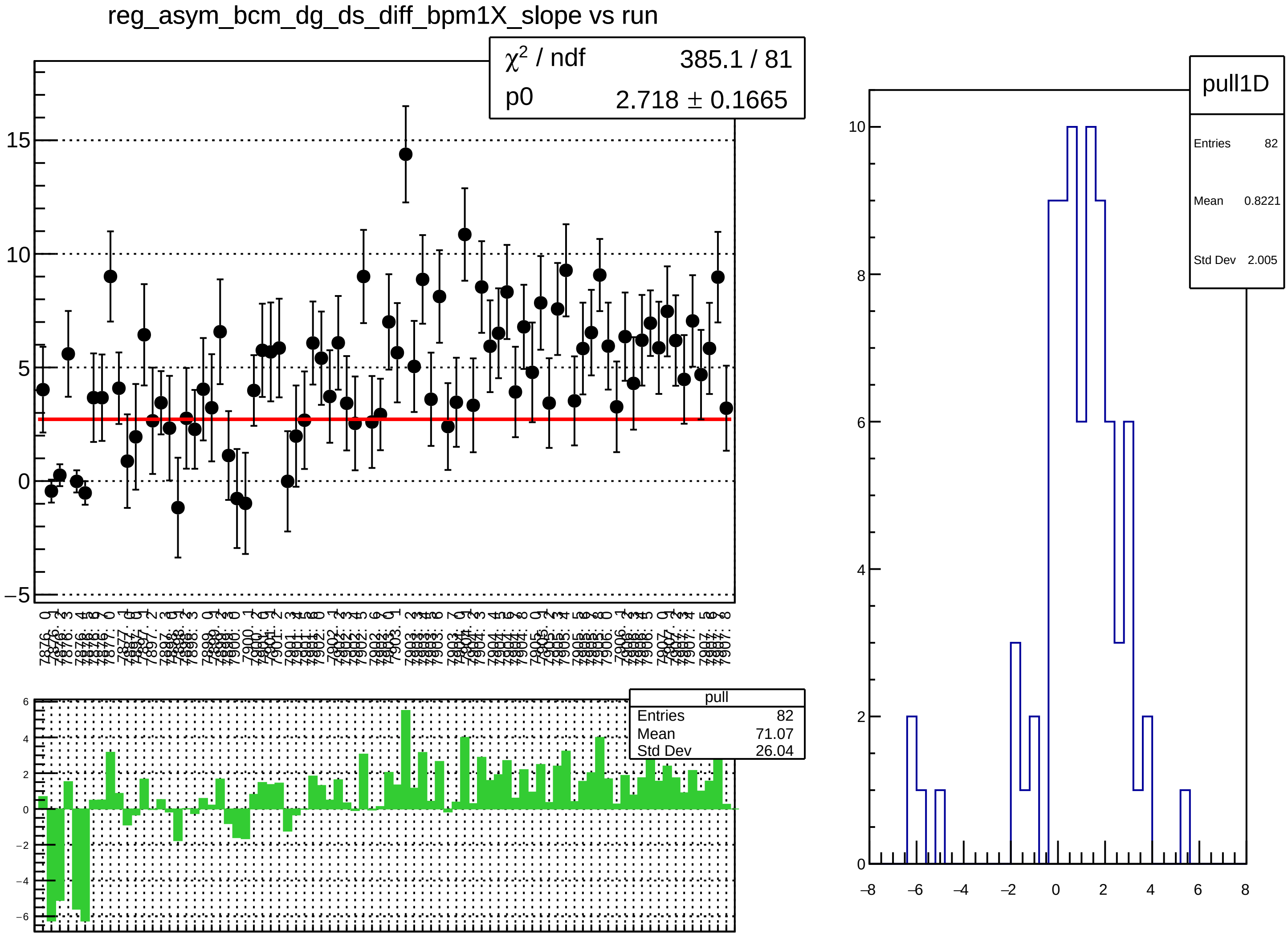




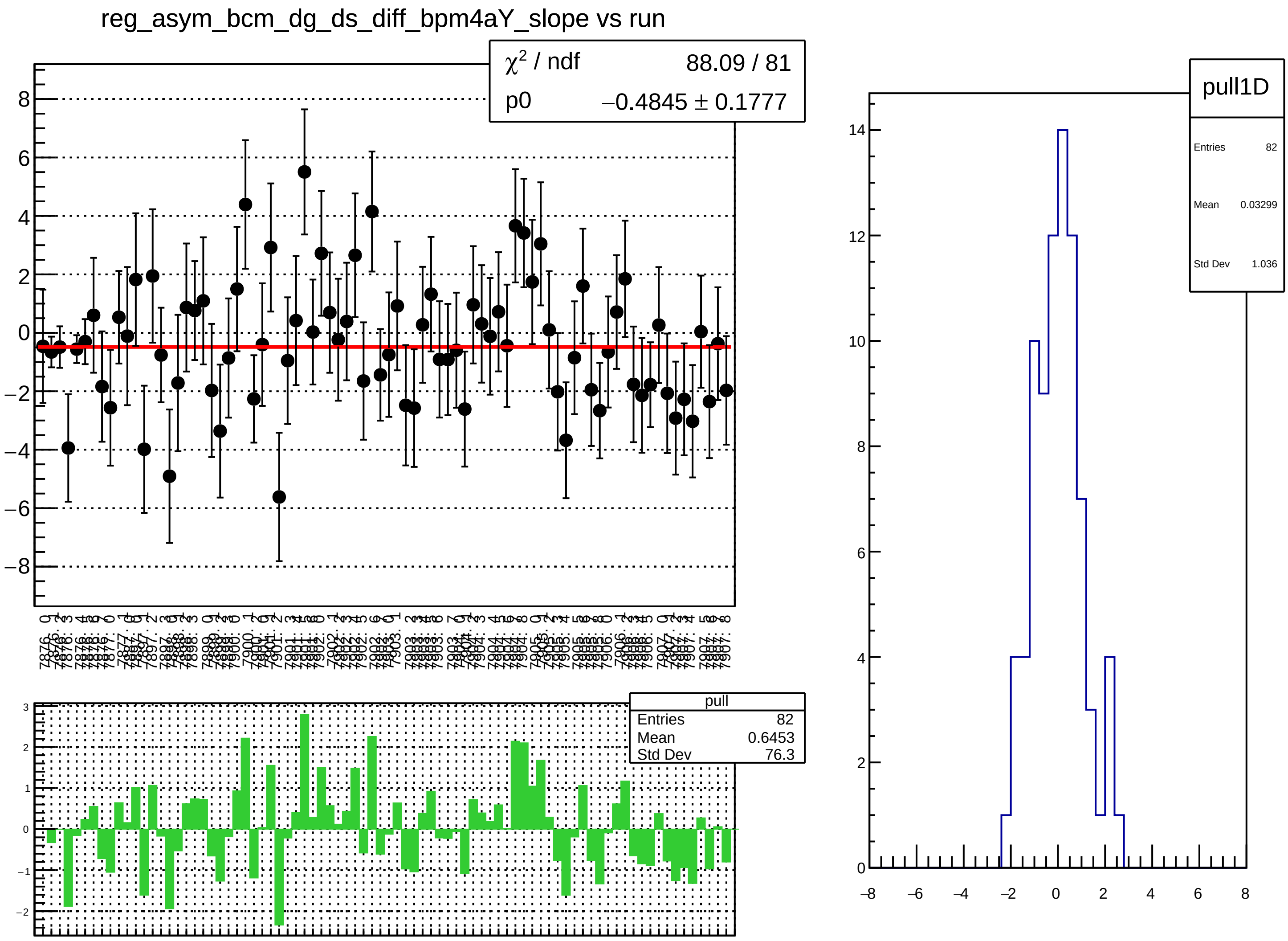
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ2 / ndf 83.54 / 81
p0 −0.3228 ± 0.2217
pull
Entries 82
Mean 25.03
Std Dev 47.66
pull1D
Entries 82
Mean −0.0783
Std Dev 1.006



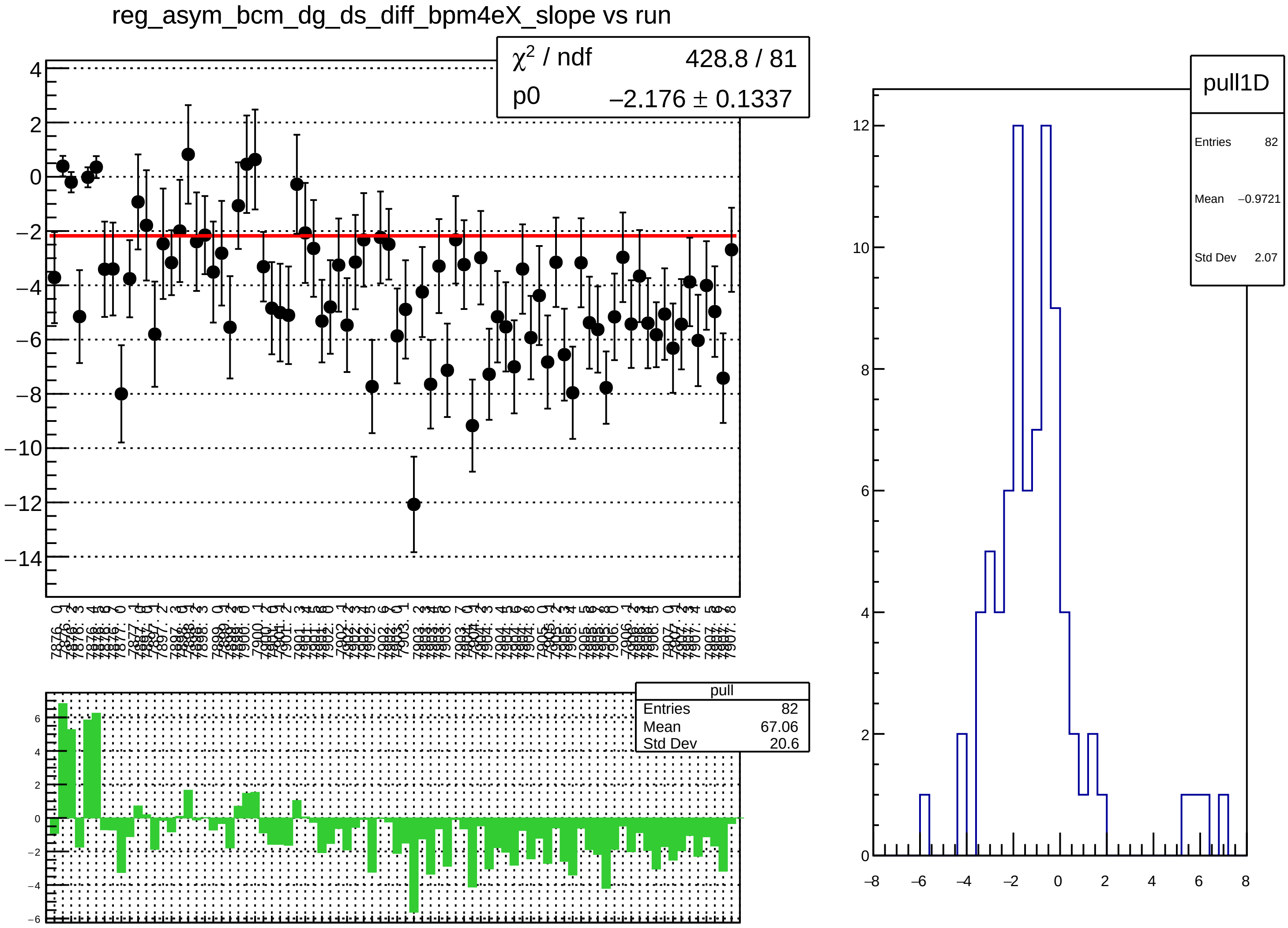
reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 124 / 81
p0 0.1333 ± 0.007635
pull
Entries 82
Mean −2909
Std Dev 2949
pull1D
Entries 82
Mean −0.002991
Std Dev 1.23



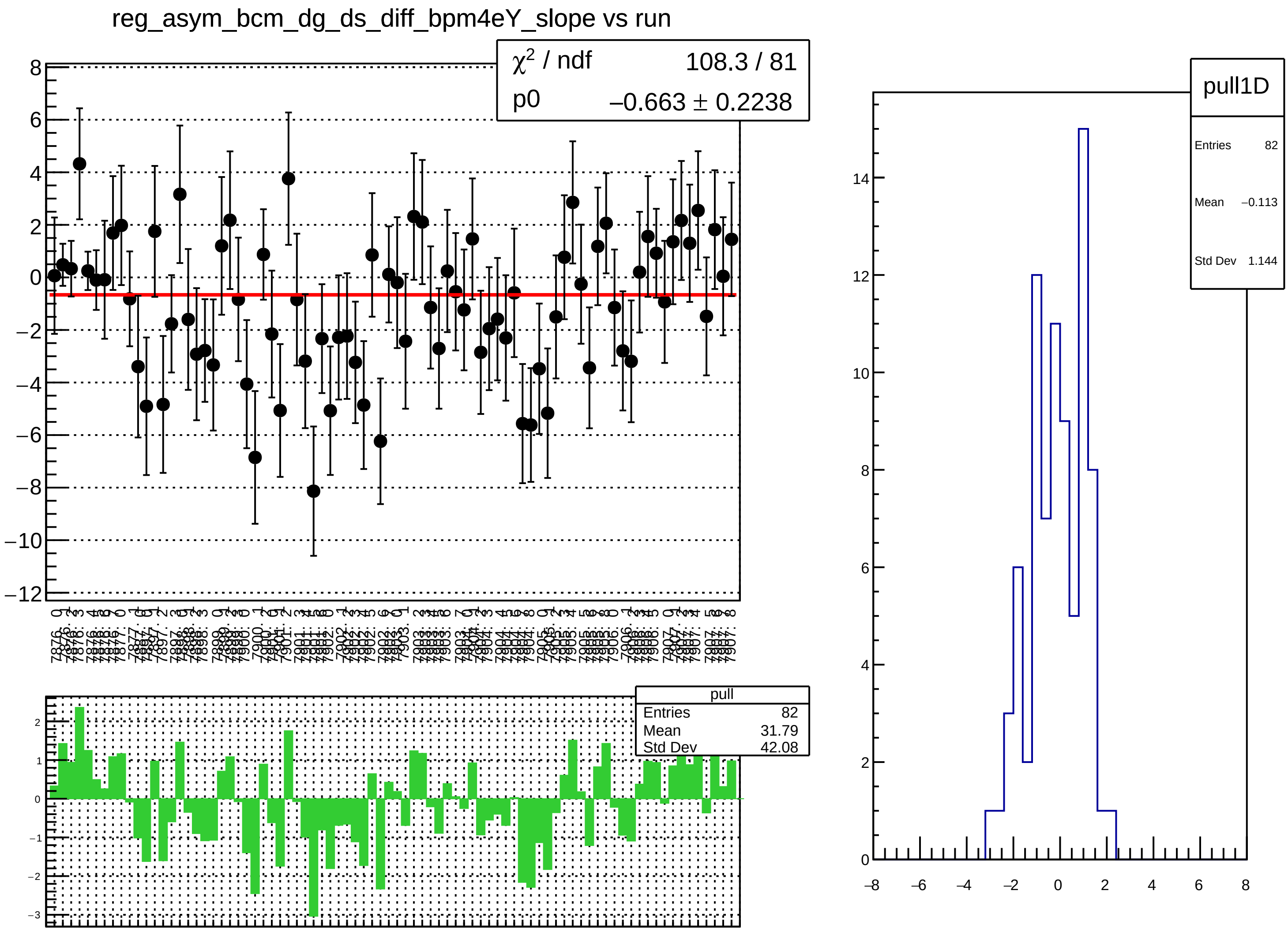
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ2 / ndf 385.1 / 81
p0 2.718 ± 0.1665
pull
Entries 82
Mean 71.07
Std Dev 26.04
pull1D
Entries 82
Mean 0.8221
Std Dev 2.005



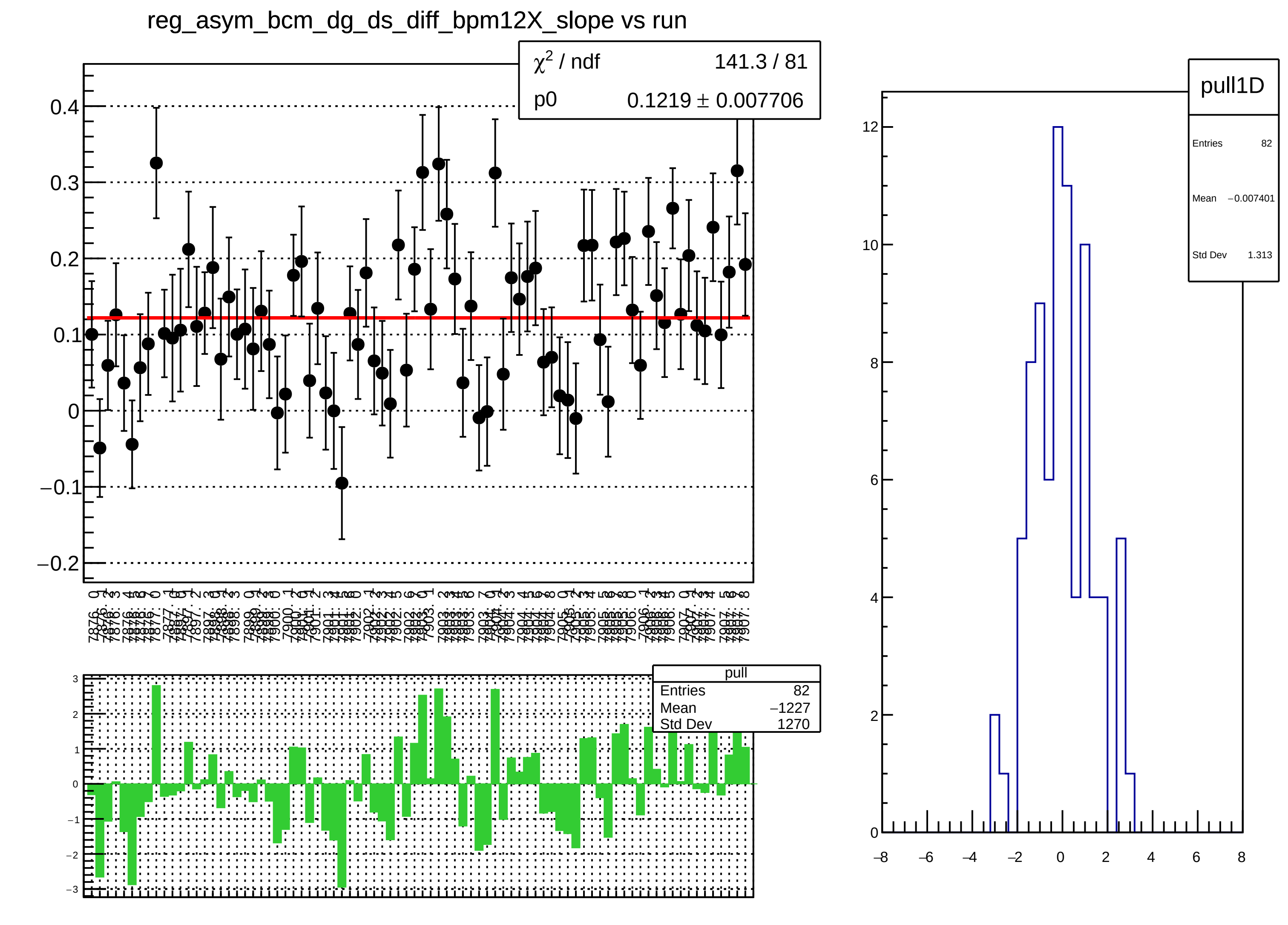
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 88.09 / 81
p0 −0.4845 ± 0.1777
pull
Entries 82
Mean 0.6453
Std Dev 76.3
pull1D
Entries 82
Mean 0.03299
Std Dev 1.036



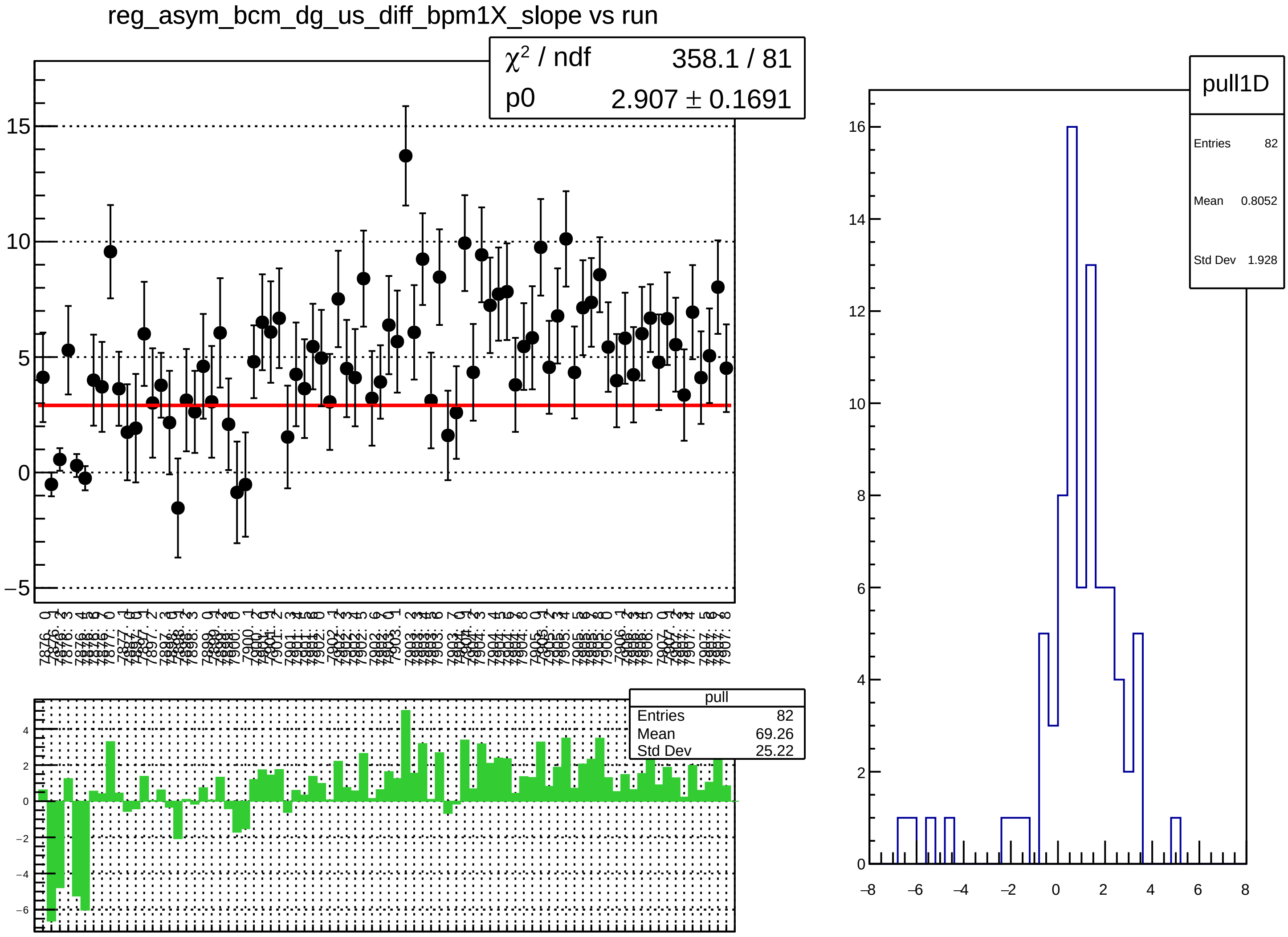
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 428.8 / 81
p0 −2.176 ± 0.1337
pull
Entries 82
Mean 67.06
Std Dev 20.6
pull1D
Entries 82
Mean −0.9721
Std Dev 2.07



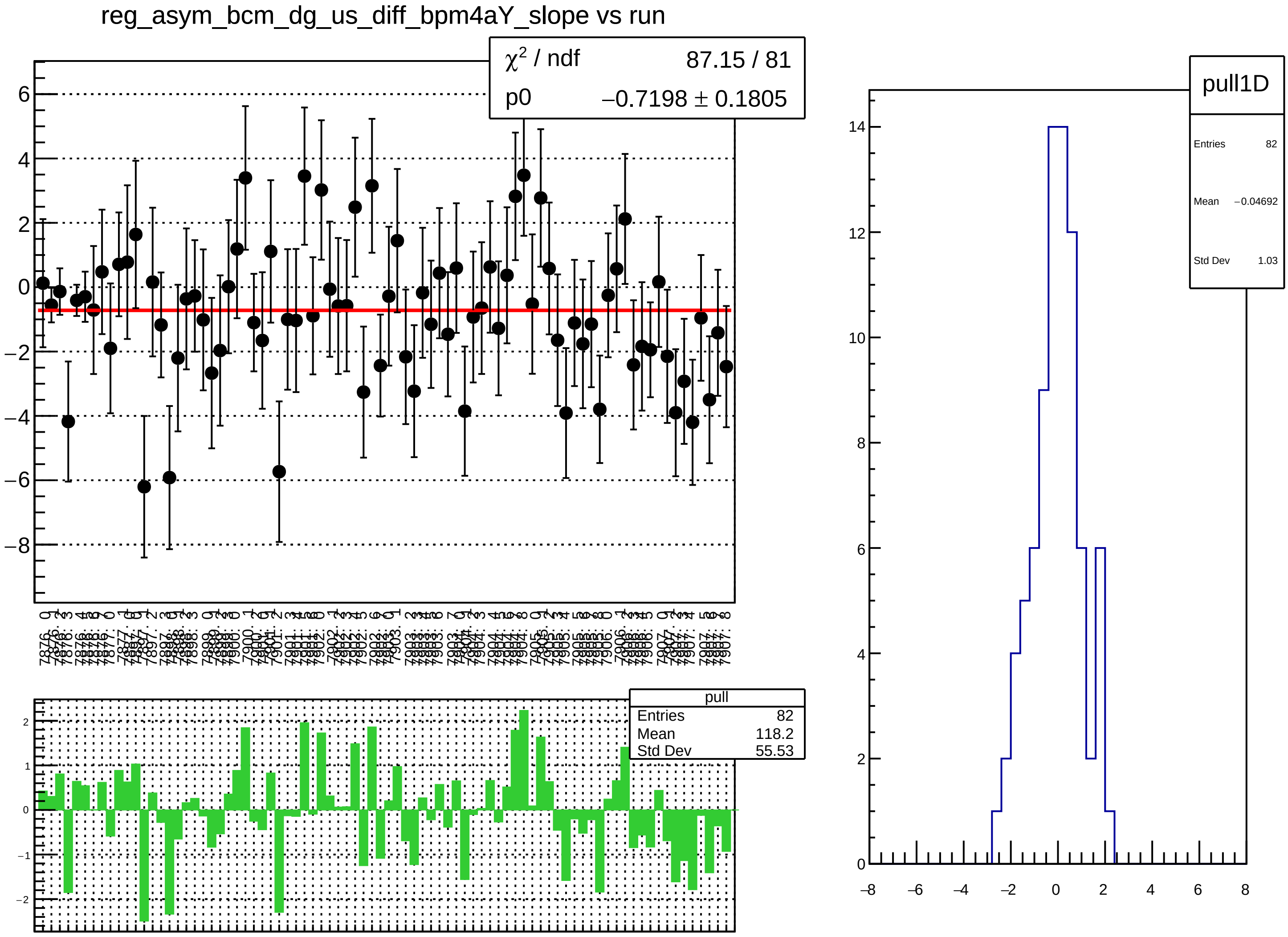
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ2 / ndf 108.3 / 81
p0 −0.663 ± 0.2238
pull
Entries 82
Mean 31.79
Std Dev 42.08
pull1D
Entries 82
Mean −0.113
Std Dev 1.144



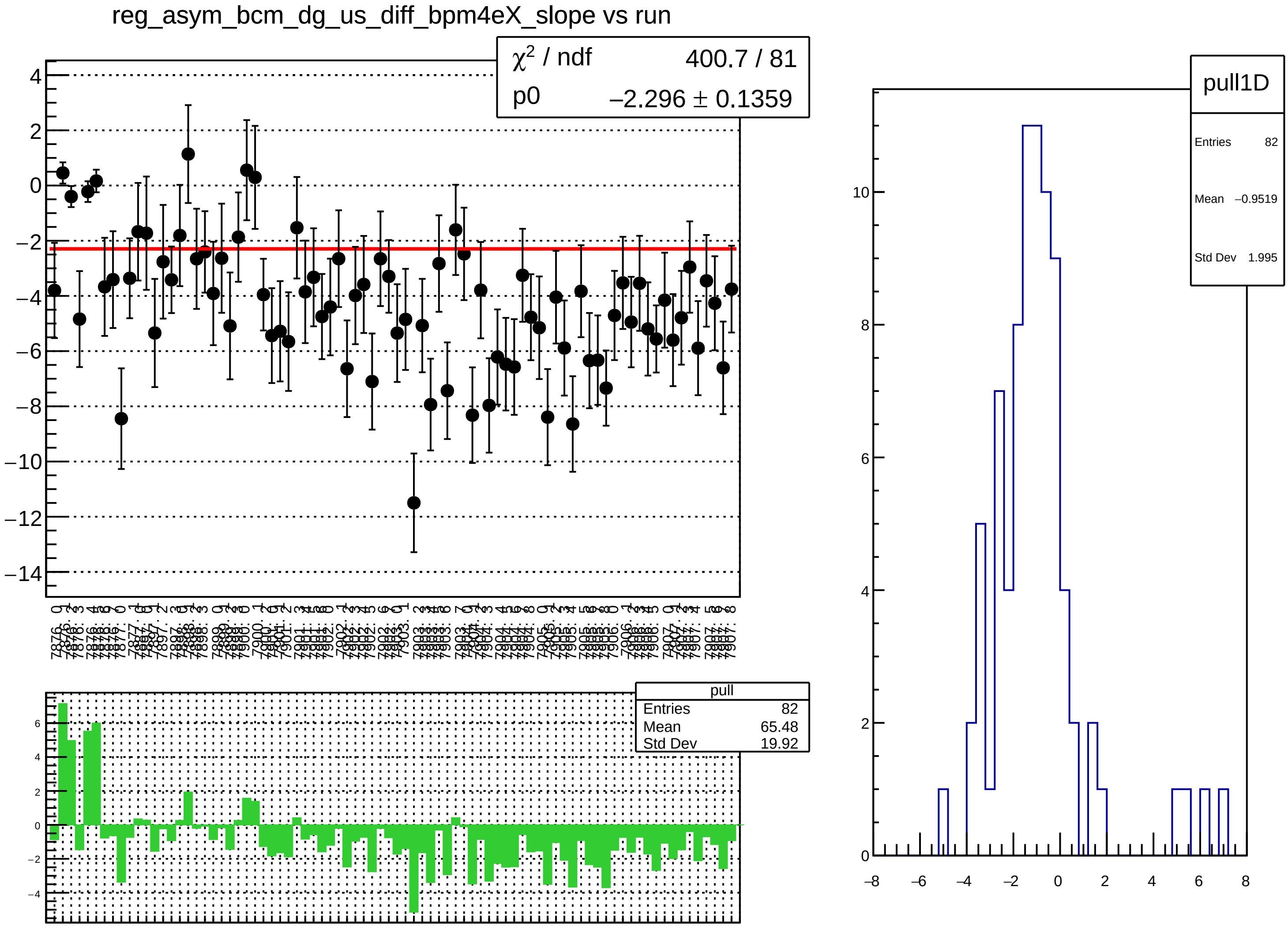
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 141.3 / 81
p0 0.1219 ± 0.007706
pull
Entries 82
Mean −1227
Std Dev 1270
pull1D
Entries 82
Mean −0.007401
Std Dev 1.313

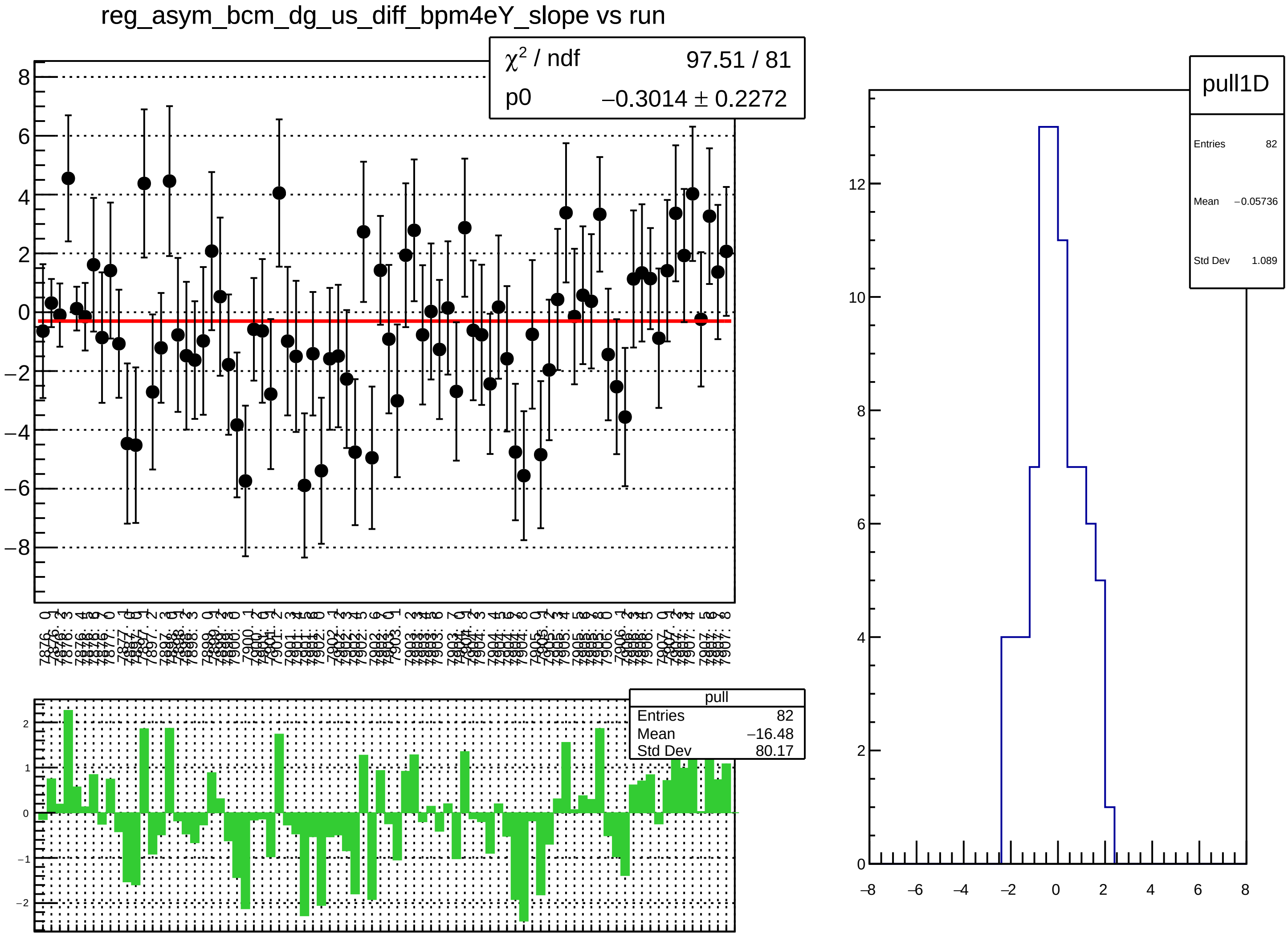


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 358.1 / 81
p0 2.907 ± 0.1691
pull
Entries 82
Mean 69.26
Std Dev 25.22
pull1D
Entries 82
Mean 0.8052
Std Dev 1.928

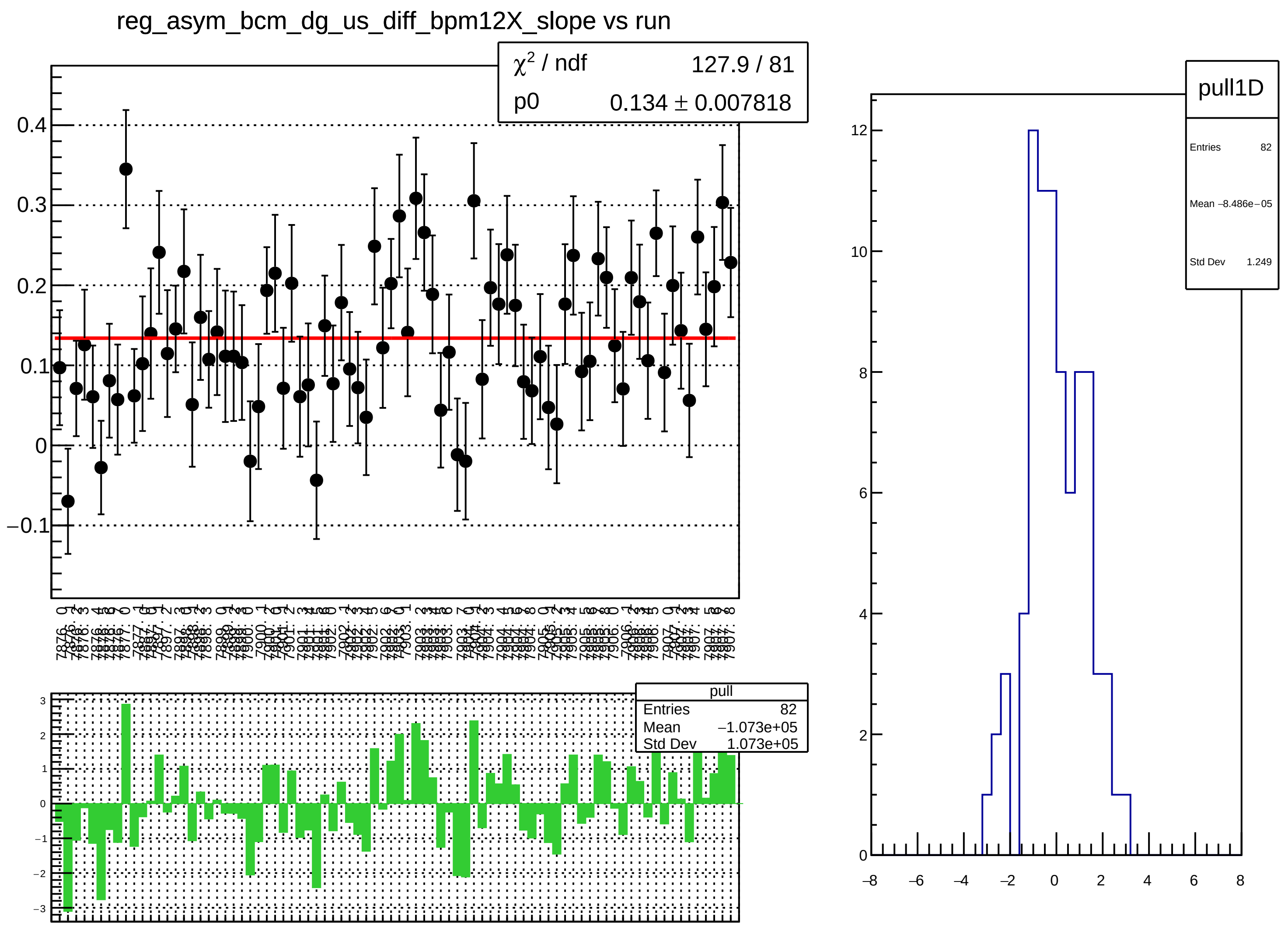


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 87.15 / 81
p0 −0.7198 ± 0.1805
pull
Entries 82
Mean 118.2
Std Dev 55.53
pull1D
Entries 82
Mean −0.04692
Std Dev 1.03


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / 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
χ^2 / 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
χ^2 / 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