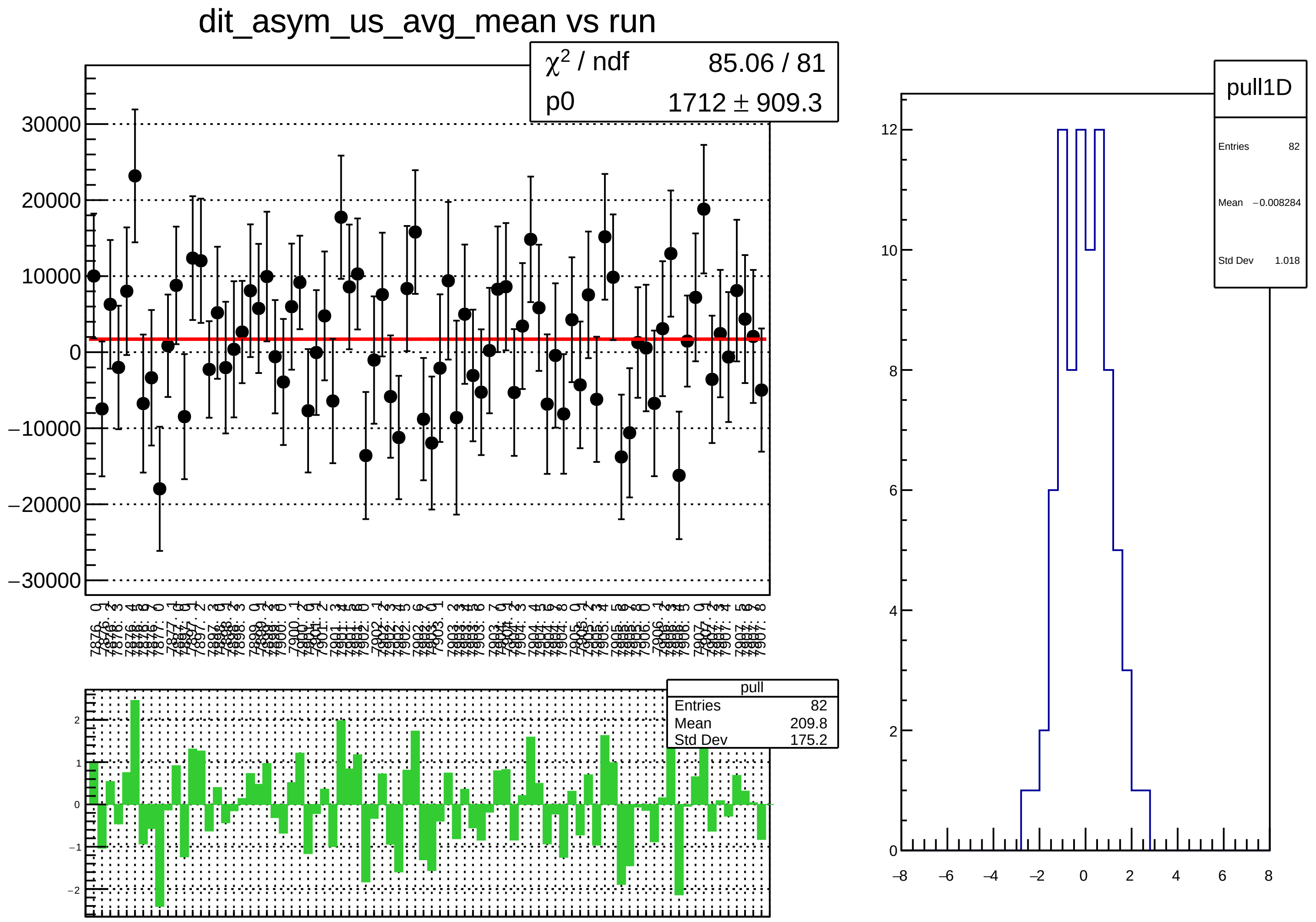
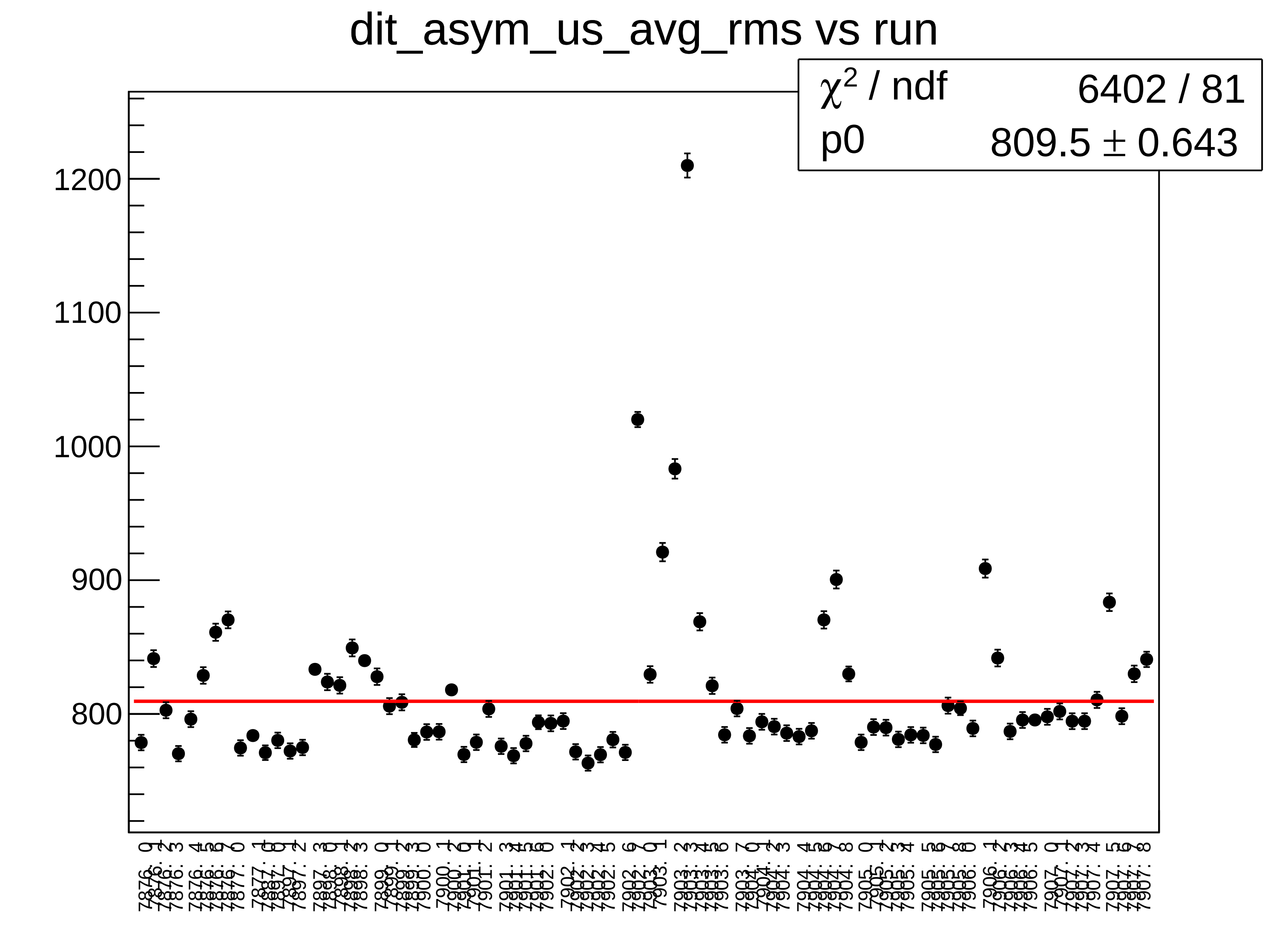
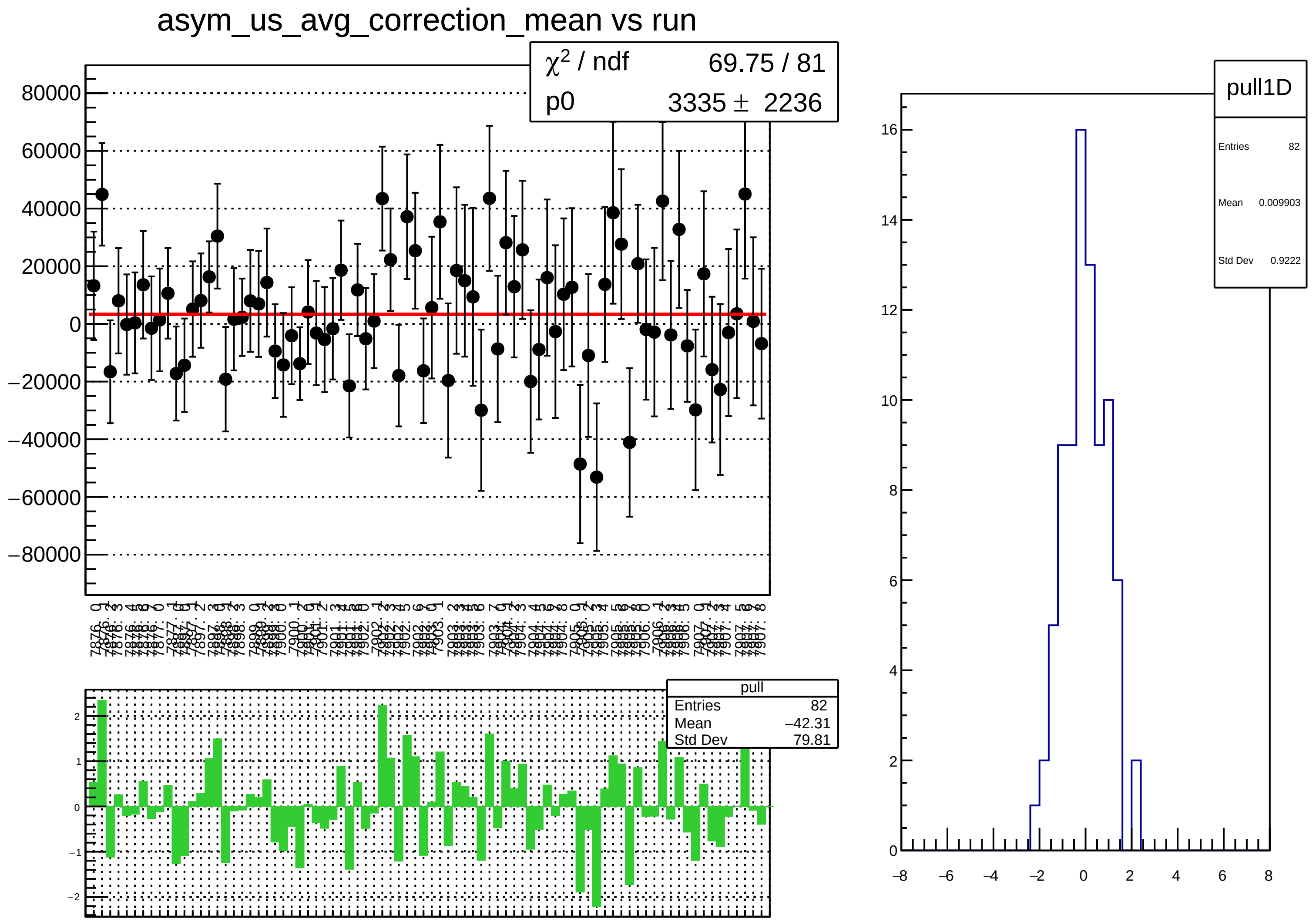


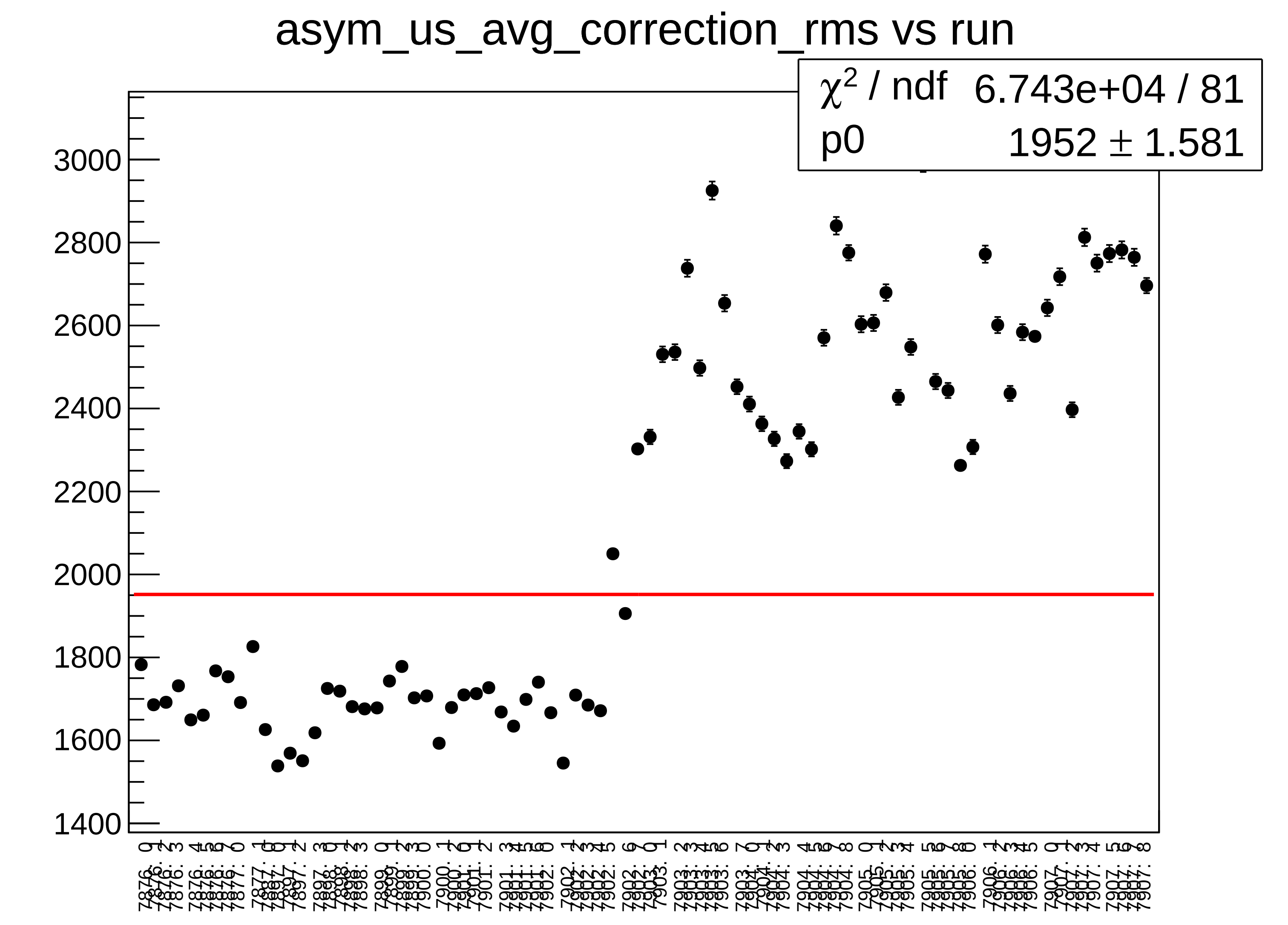
dit_asym_us_avg_mean vs run
χ2 / ndf 85.06 / 81
p0 1712 ± 909.3
pull
Entries 82
Mean 209.8
Std Dev 175.2
pull1D
Entries 82
Mean −0.008284
Std Dev 1.018

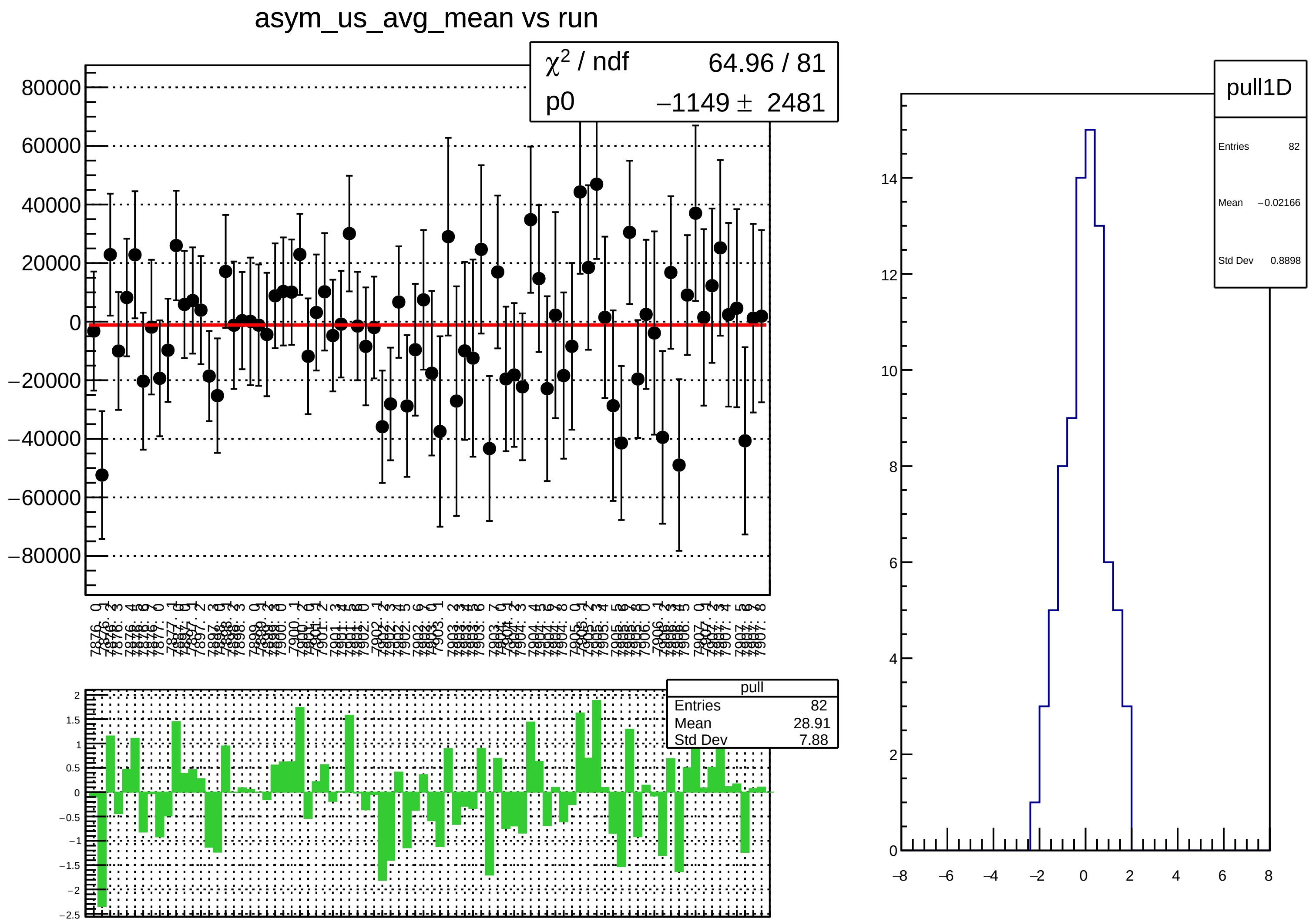


dit_asym_us_avg_rms vs run
χ2 / ndf 6402 / 81
p0 809.5 ± 0.643
1200
1100
1000
900
800

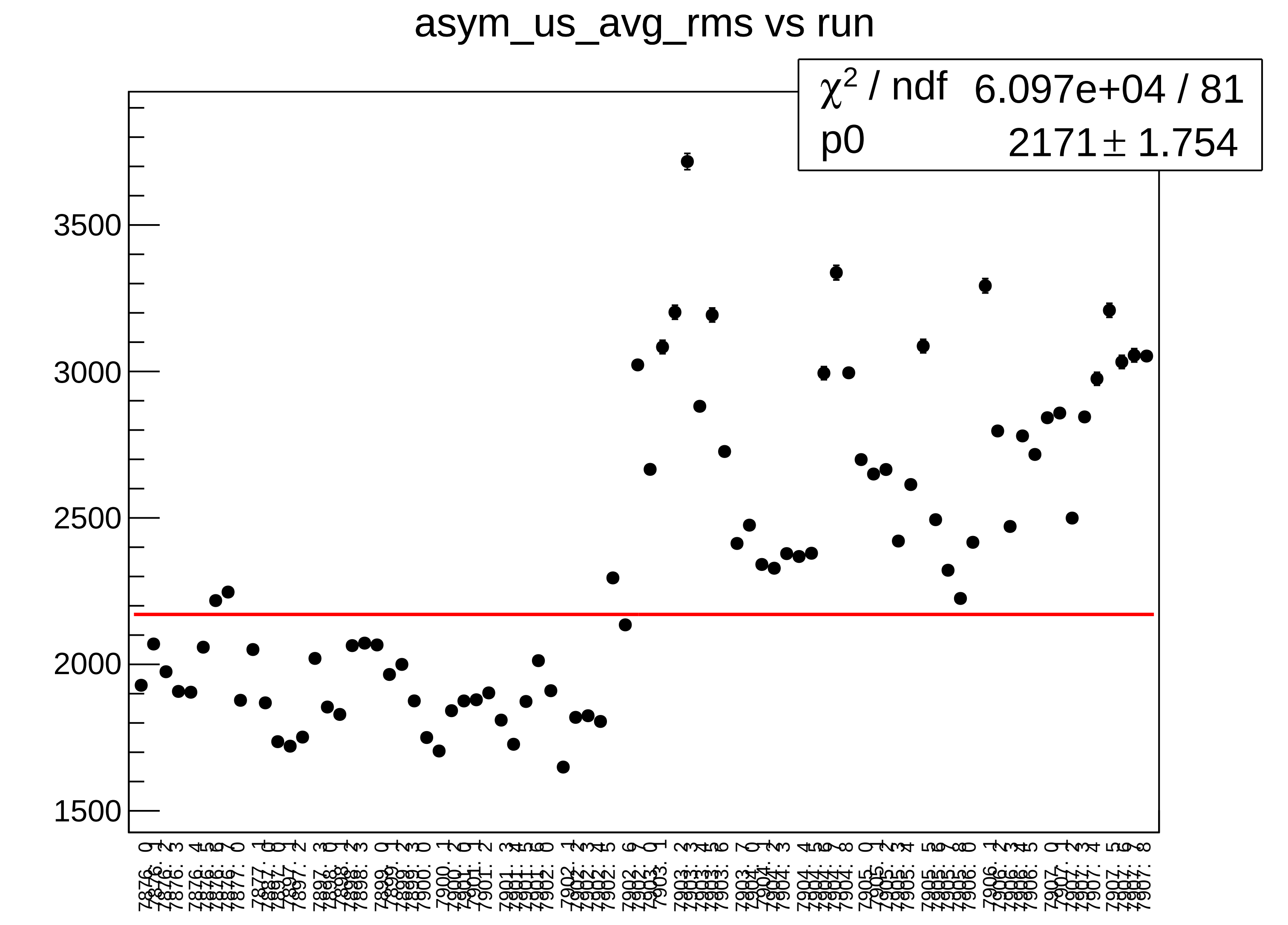


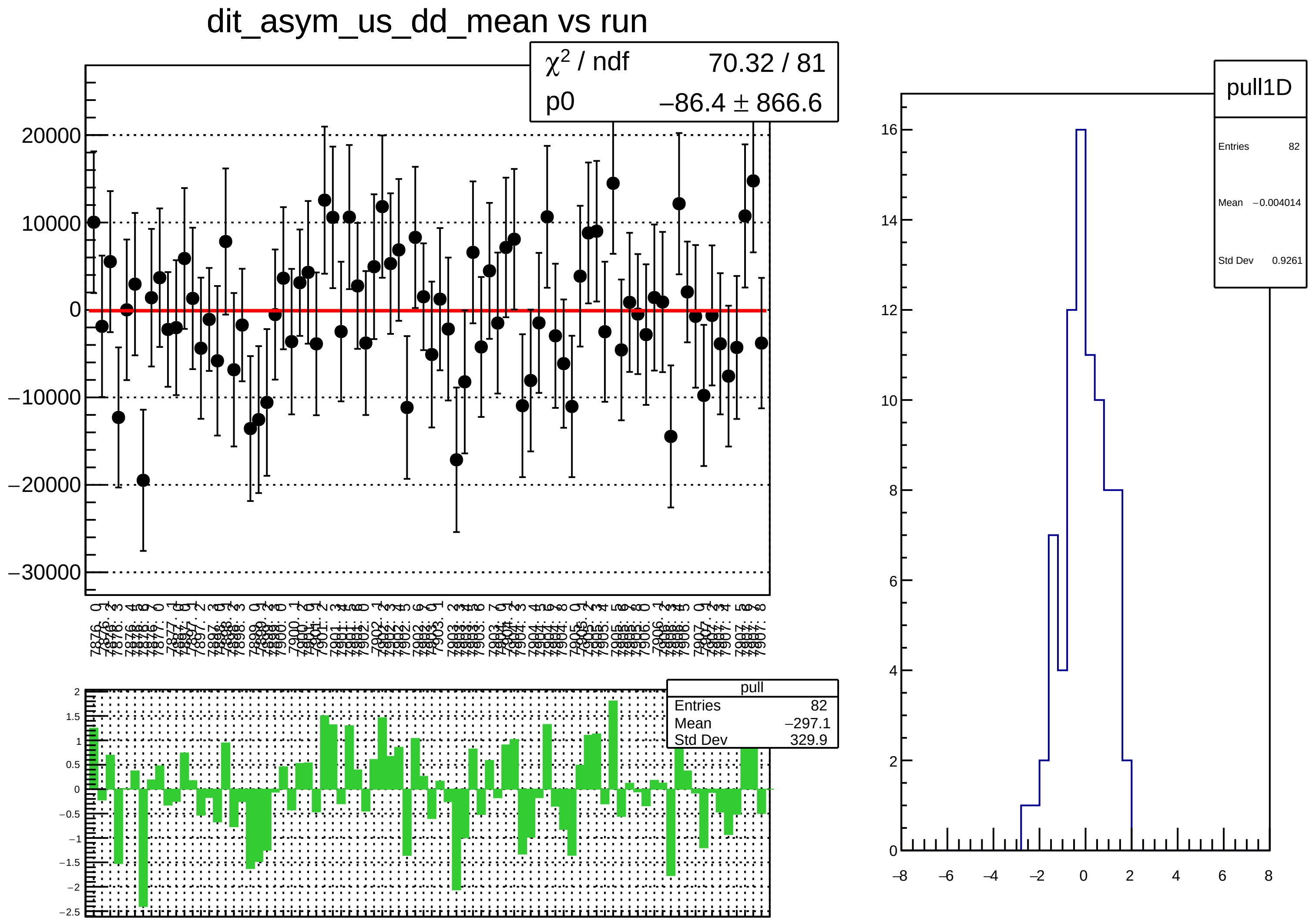
asym_us_avg_correction_mean vs run
χ^2 / ndf 69.75 / 81
p0 3335 ± 2236
pull
Entries 82
Mean −42.31
Std Dev 79.81
pull1D
Entries 82
Mean 0.009903
Std Dev 0.9222

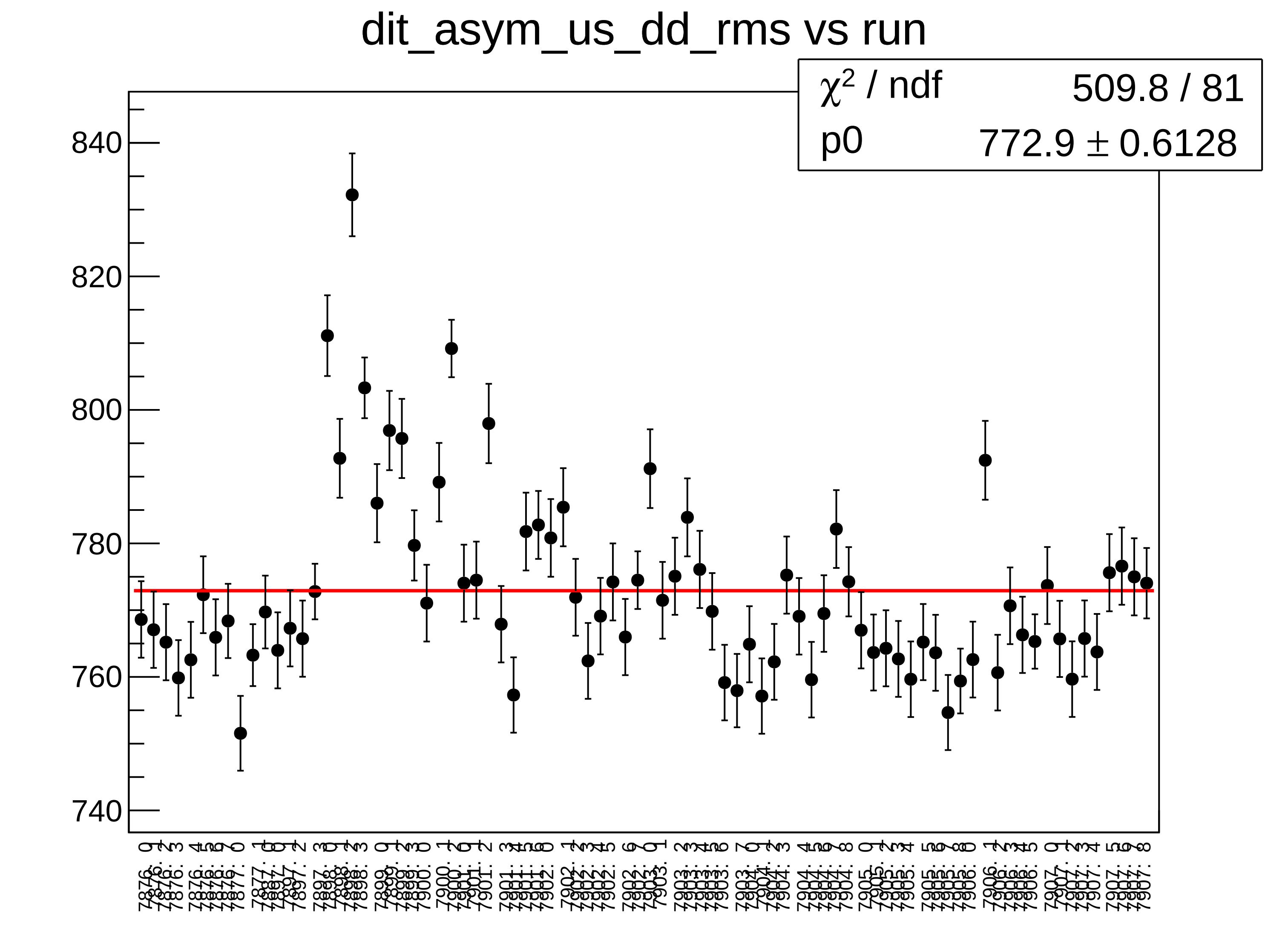

asym_us_avg_correction_rms vs run
χ^2 / ndf 6.743e+04 / 81
p0 1952 ± 1.581
3000
2800
2600
2400
2200
2000
1800
1600
1400



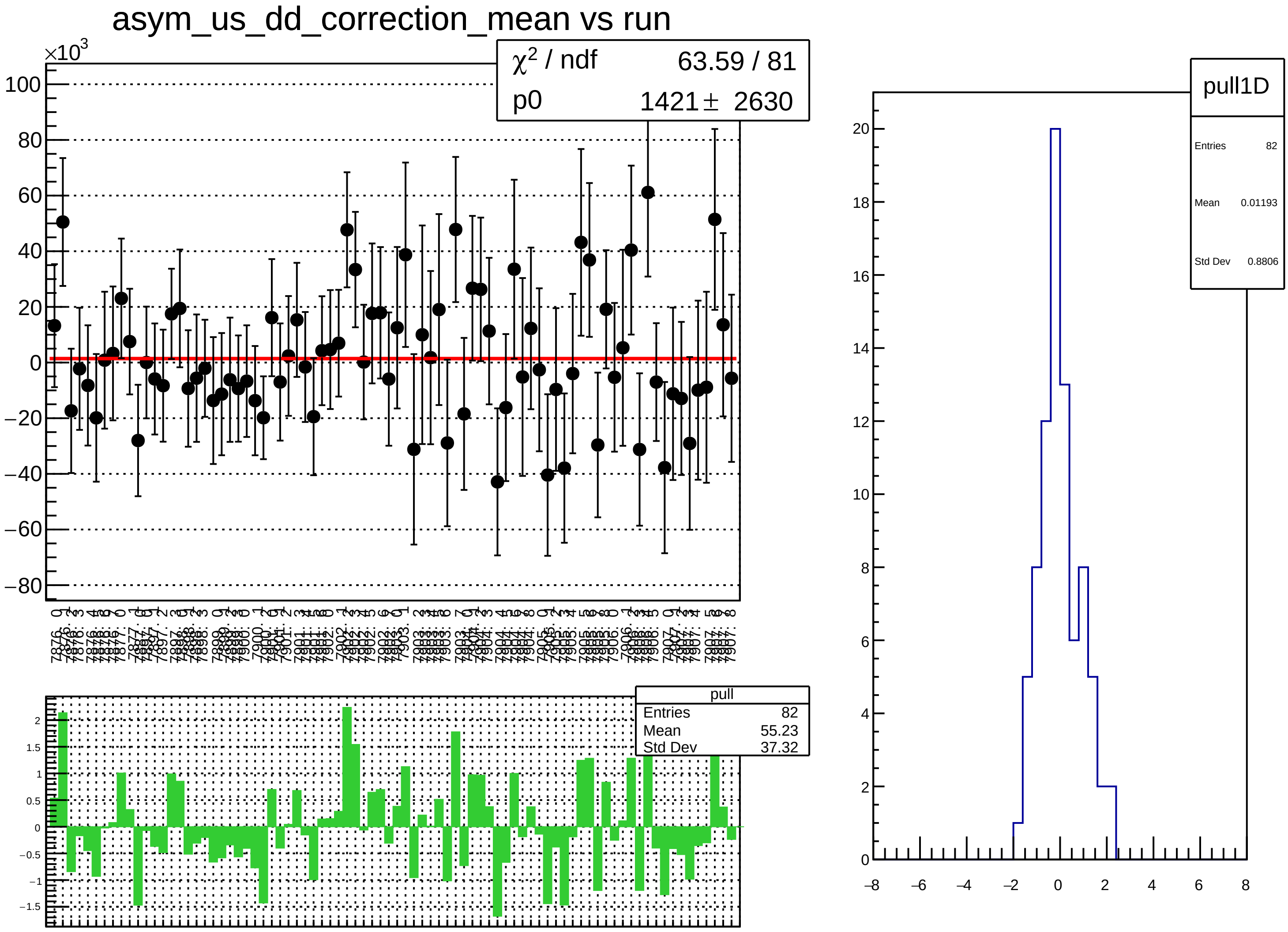
asym_us_avg_mean vs run
χ2 / ndf 64.96 / 81
p0 −1149 ± 2481
pull
Entries 82
Mean 28.91
Std Dev 7.88
pull1D
Entries 82
Mean −0.02166
Std Dev 0.8898

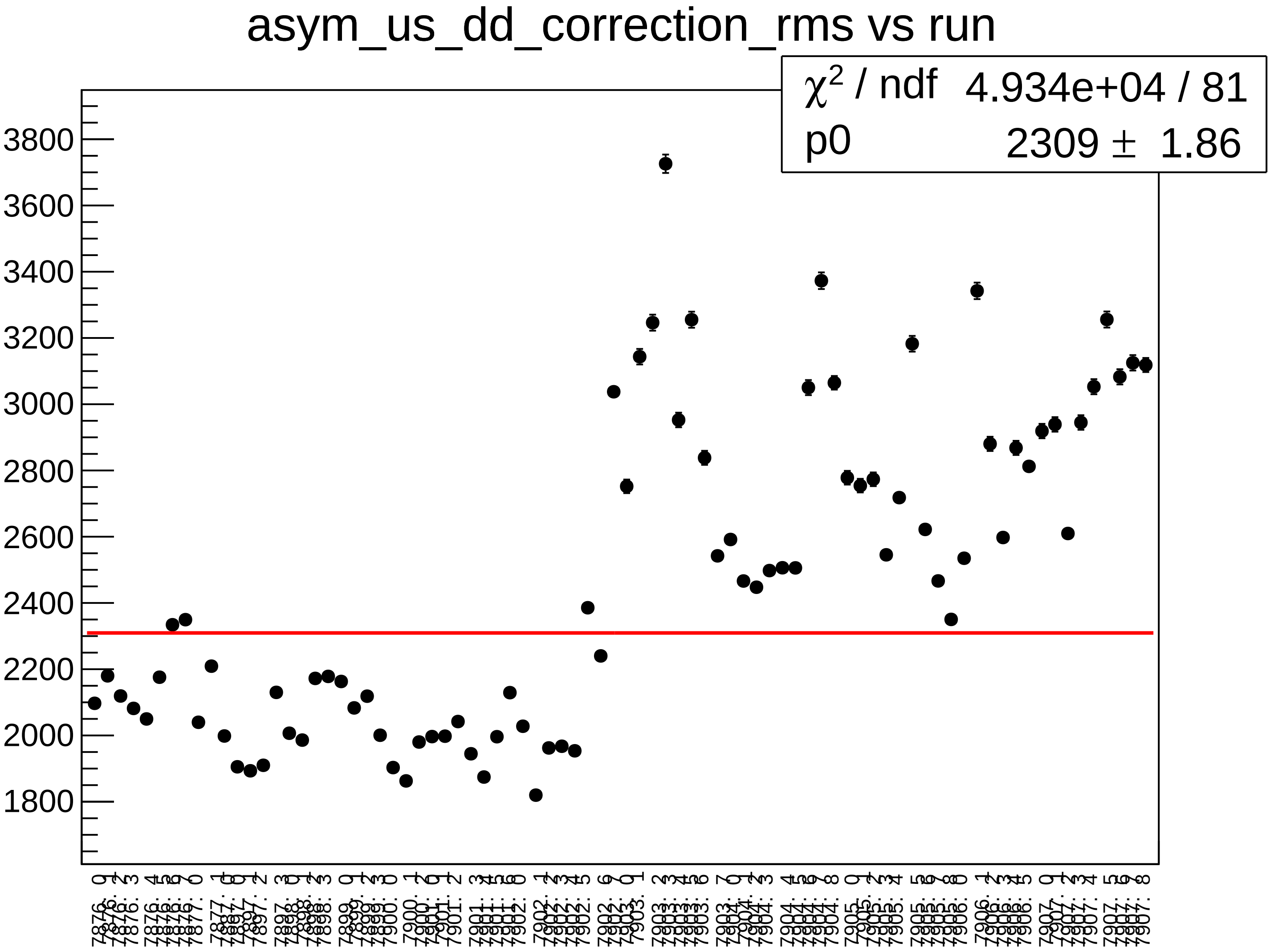

asym_us_avg_rms vs run
χ2 / ndf 6.097e+04 / 81
p0 2171 ± 1.754
3500
3000
2500
2000
1500

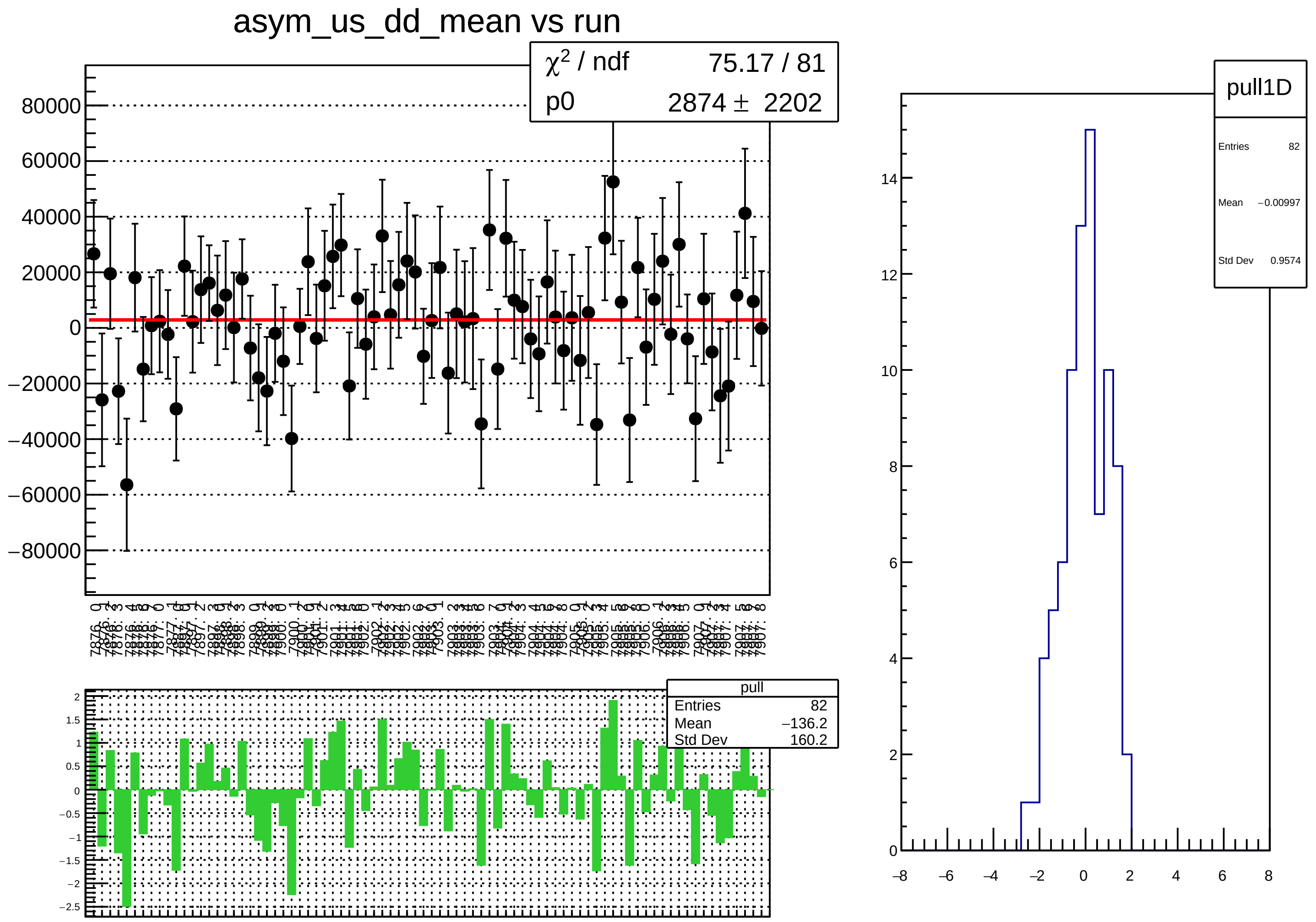

dit_asym_us_dd_mean vs run
χ^2 / ndf 70.32 / 81
p0 −86.4 ± 866.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −297.1
Std Dev 329.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.004014
Std Dev 0.9261
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



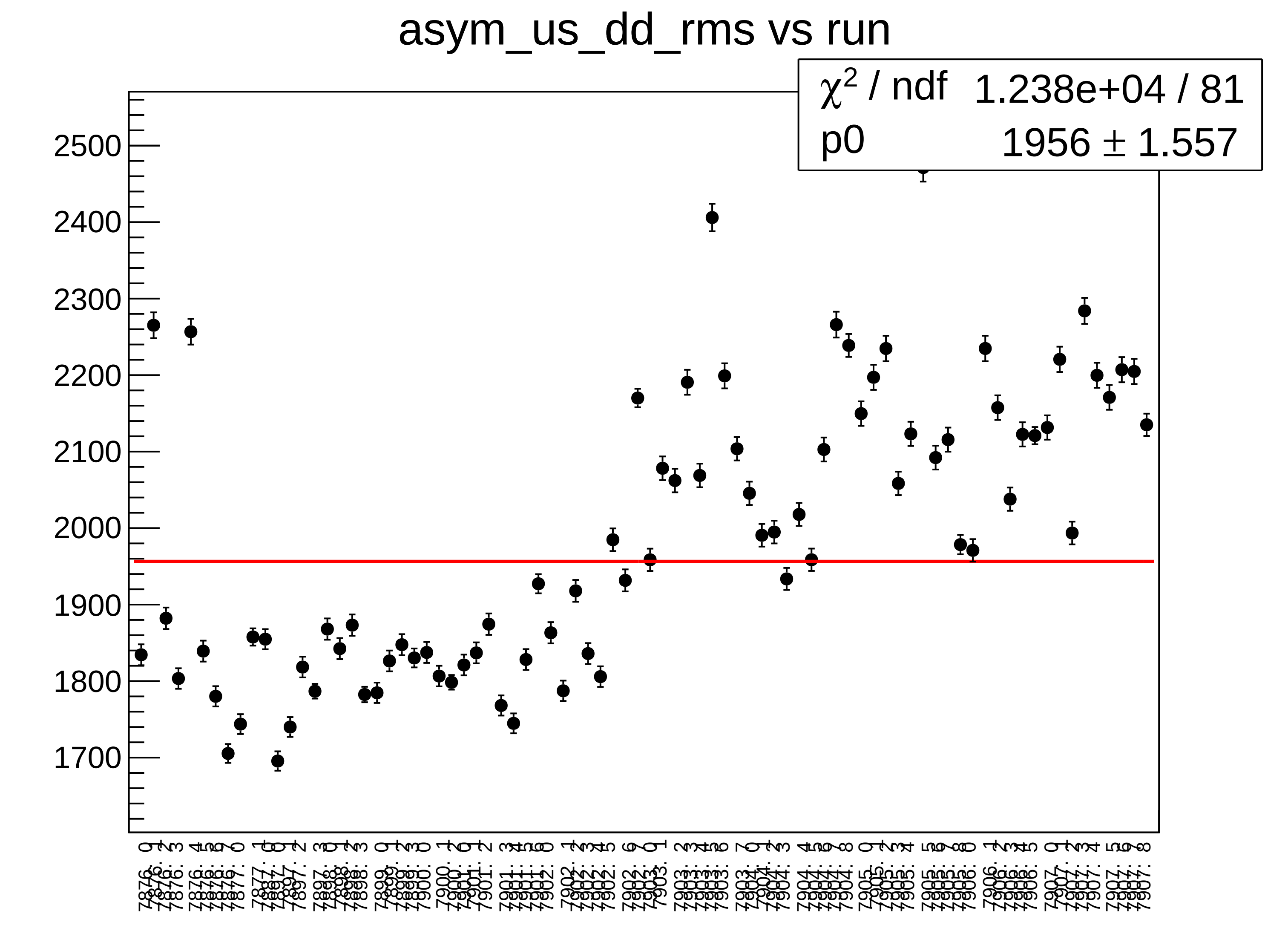
dit_asym_us_dd_rms vs run
χ^2 / ndf 509.8 / 81
p0 772.9 ± 0.6128
840
820
800
780
760
740


asym_us_dd_correction_mean vs run
χ2 / ndf 63.59 / 81
p0 1421 ± 2630
pull
Entries 82
Mean 55.23
Std Dev 37.32
pull1D
Entries 82
Mean 0.01193
Std Dev 0.8806

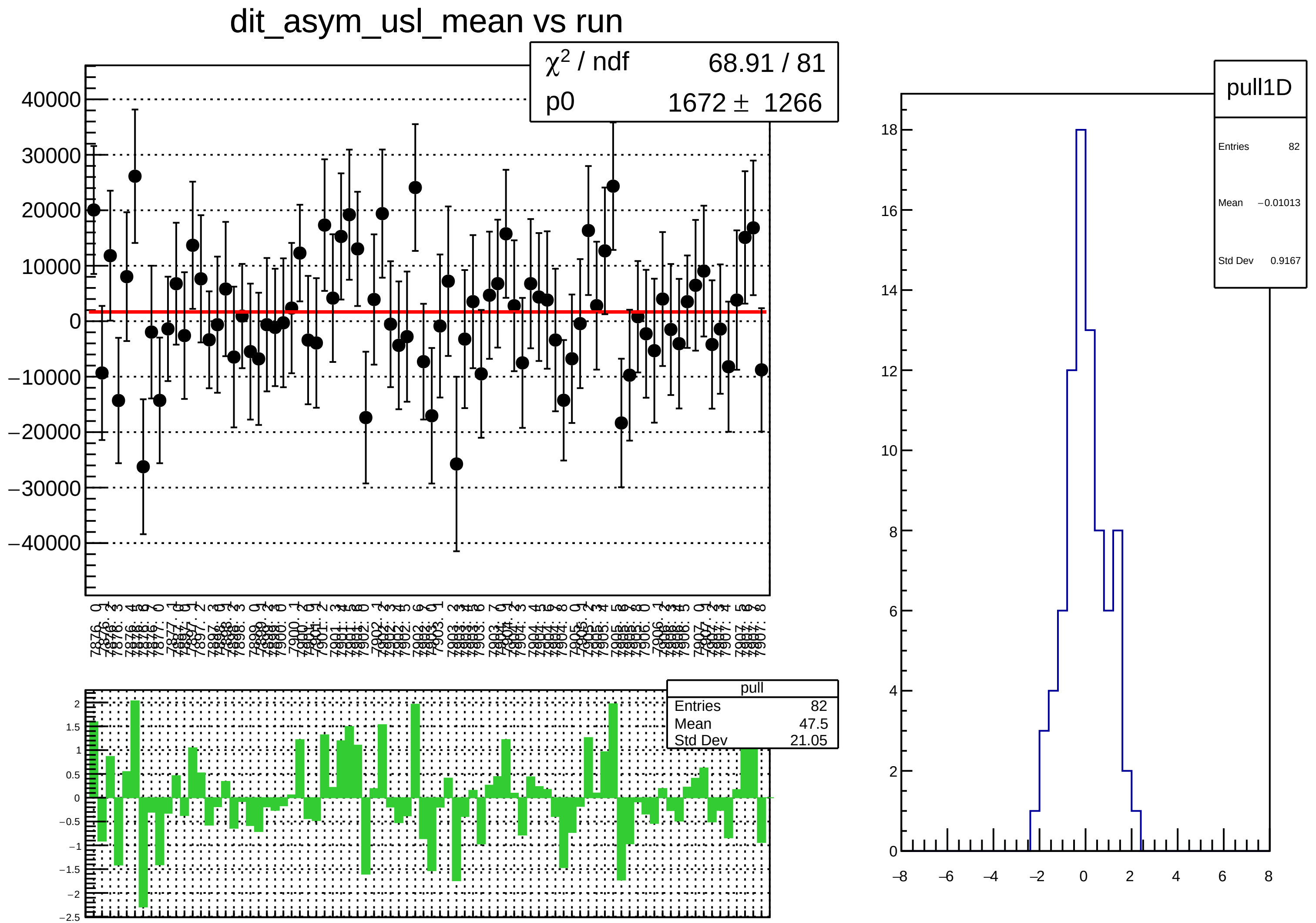

asym_us_dd_correction_rms vs run
χ^2 / ndf 4.934e+04 / 81
p0 2309 ± 1.86
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

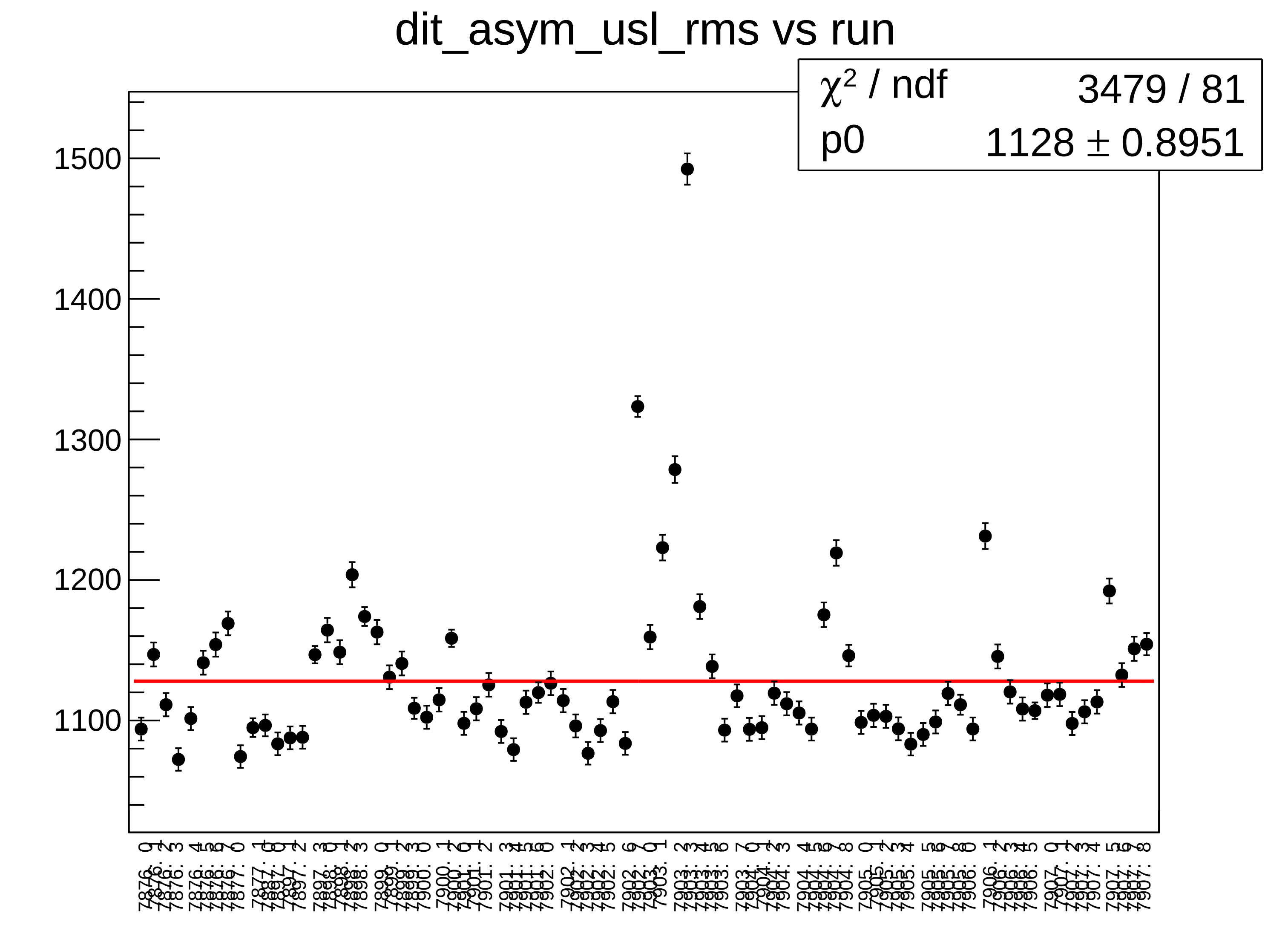


asym_us_dd_mean vs run
χ2 / ndf 75.17 / 81
p0 2874 ± 2202
pull
Entries 82
Mean −136.2
Std Dev 160.2
pull1D
Entries 82
Mean −0.00997
Std Dev 0.9574

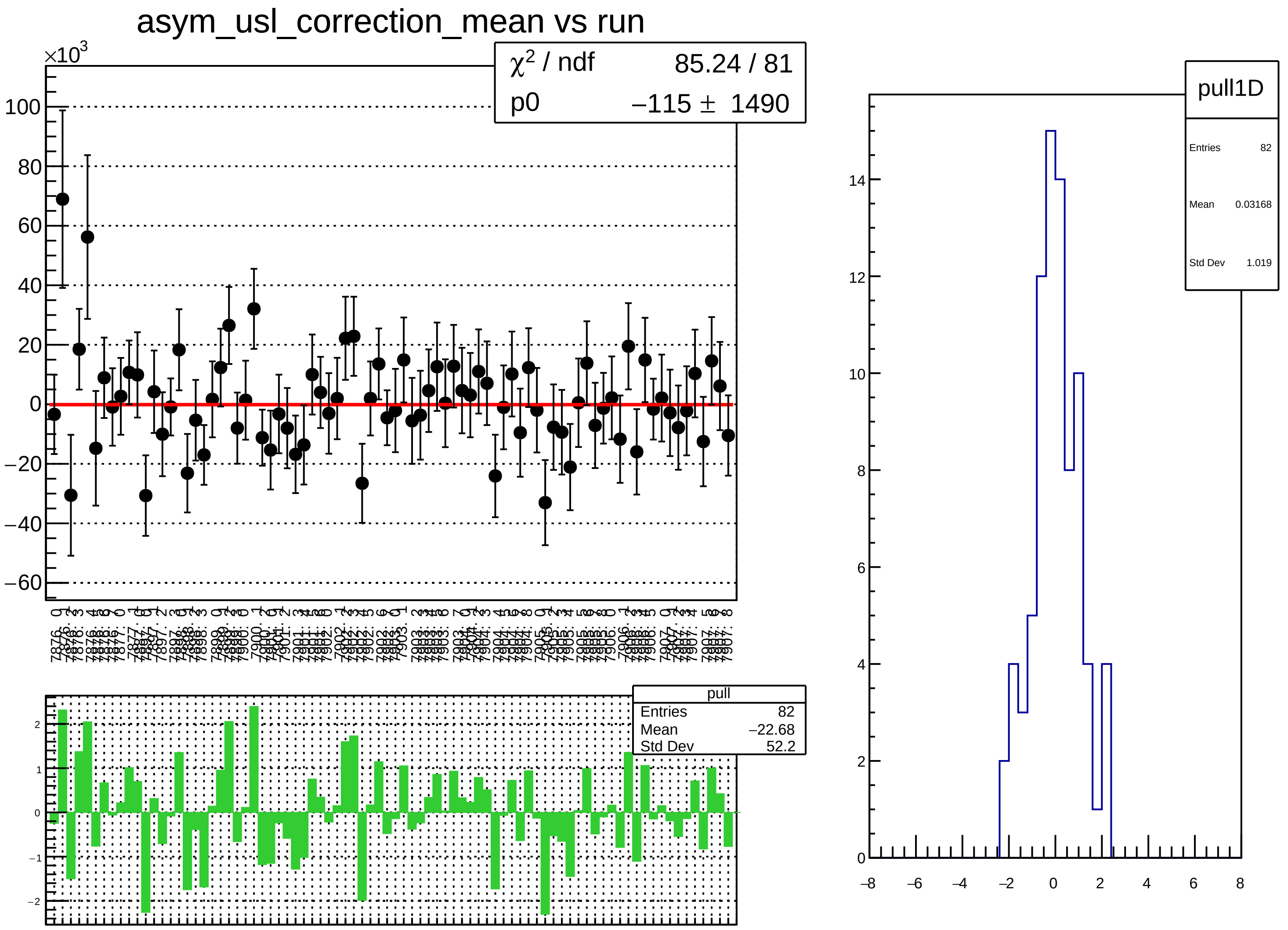


asym_us_dd_rms vs run
χ^2 / ndf 1.238e+04 / 81
p0 1956 ± 1.557
2500
2400
2300
2200
2100
2000
1900
1800
1700

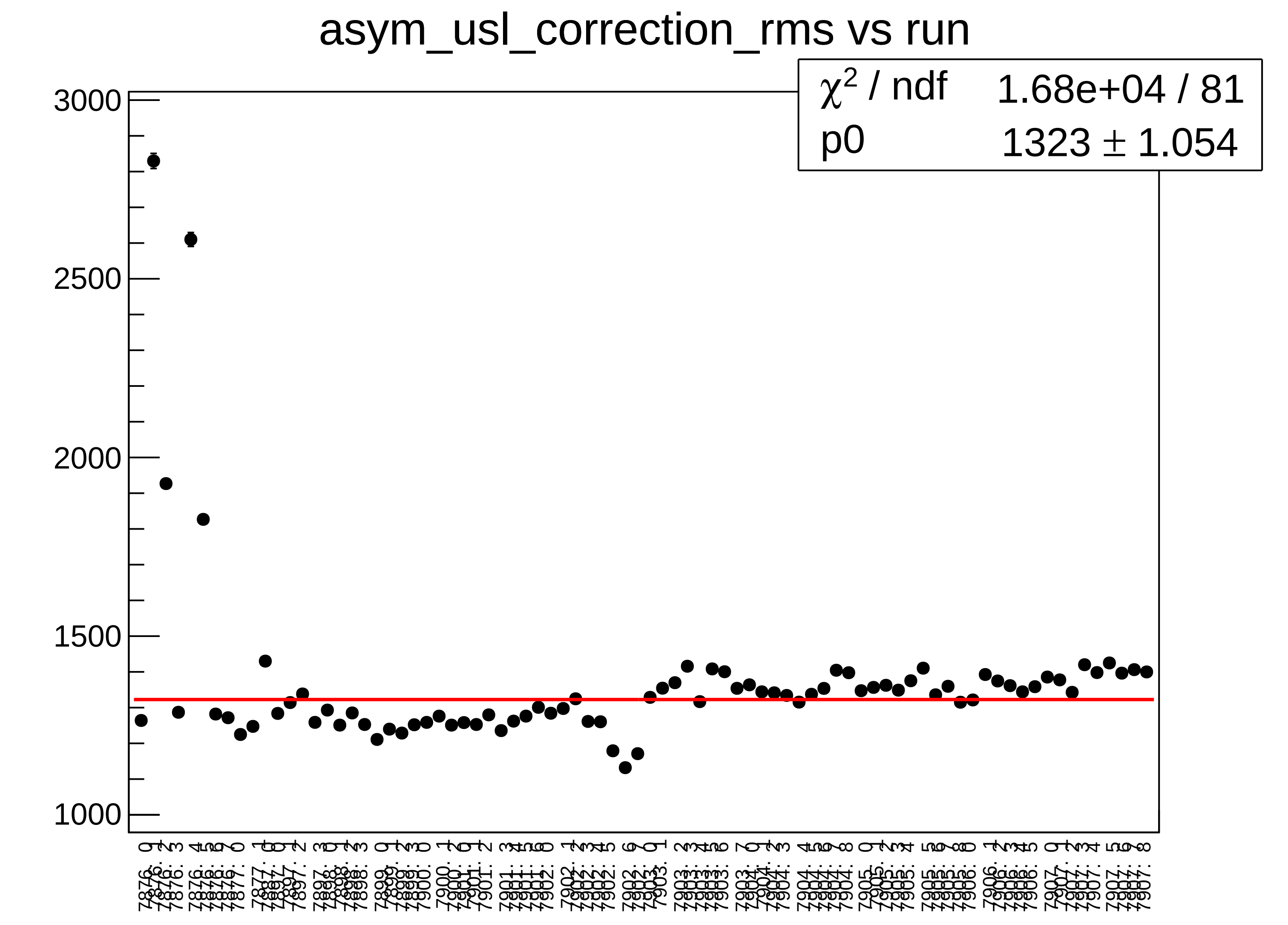

dit_asym_usl_mean vs run
χ2 / ndf 68.91 / 81
p0 1672 ± 1266
pull
Entries 82
Mean 47.5
Std Dev 21.05
pull1D
Entries 82
Mean −0.01013
Std Dev 0.9167



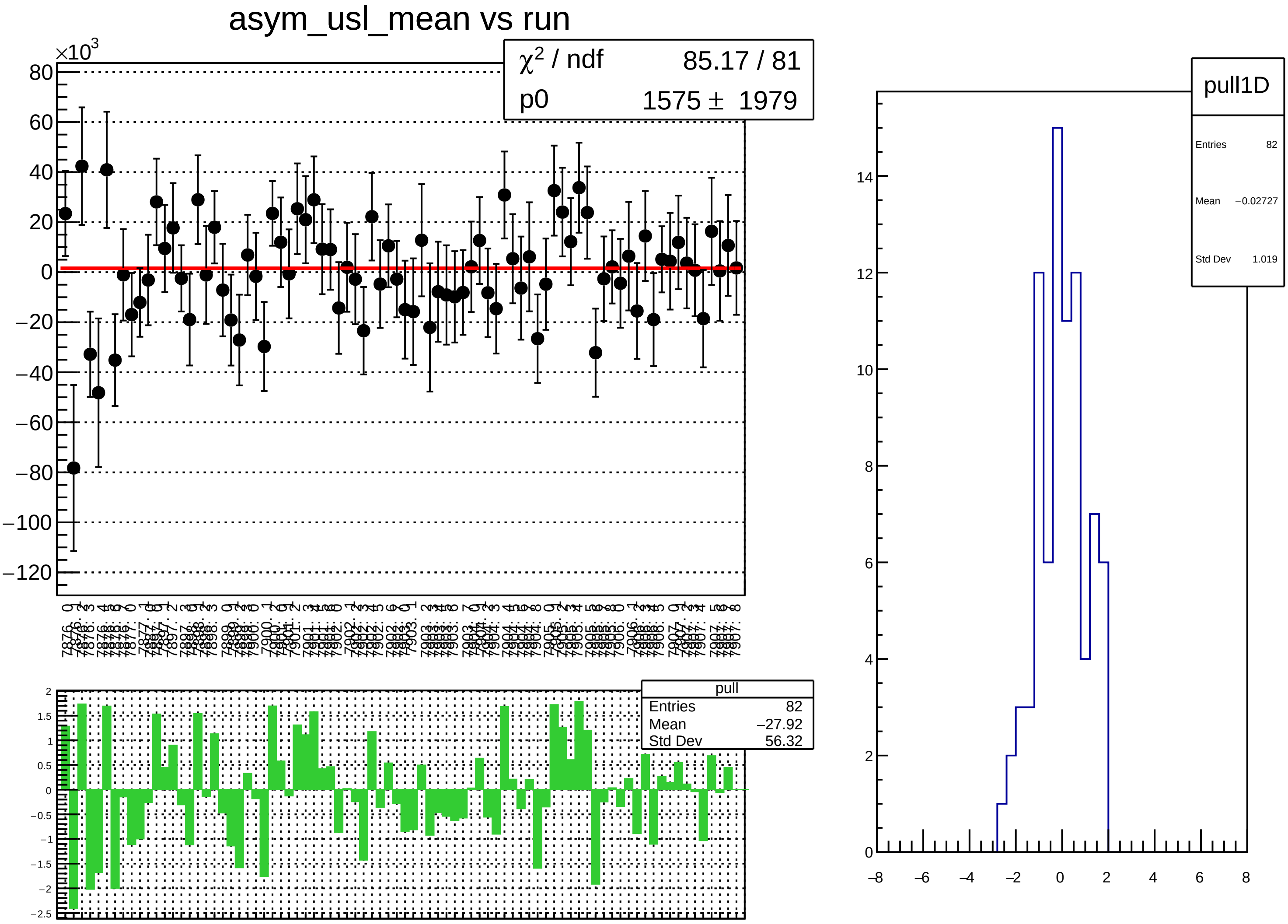
dit_asym_usl_rms vs run
χ² / ndf 3479 / 81
p0 1128 ± 0.8951
1500
1400
1300
1200
1100



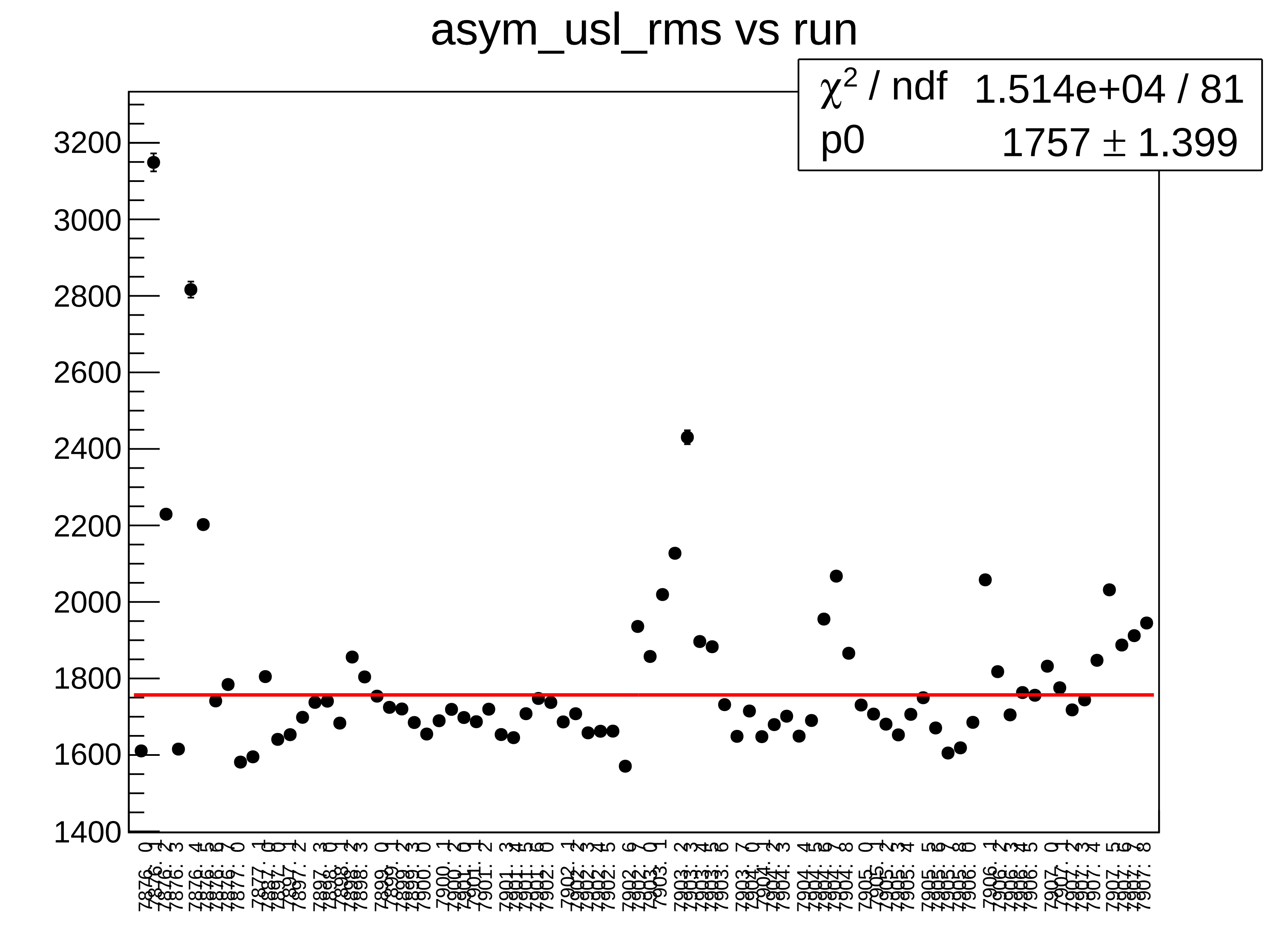
asym_usl_correction_mean vs run
χ² / ndf 85.24 / 81
p0 −115 ± 1490
pull
Entries 82
Mean −22.68
Std Dev 52.2
pull1D
Entries 82
Mean 0.03168
Std Dev 1.019

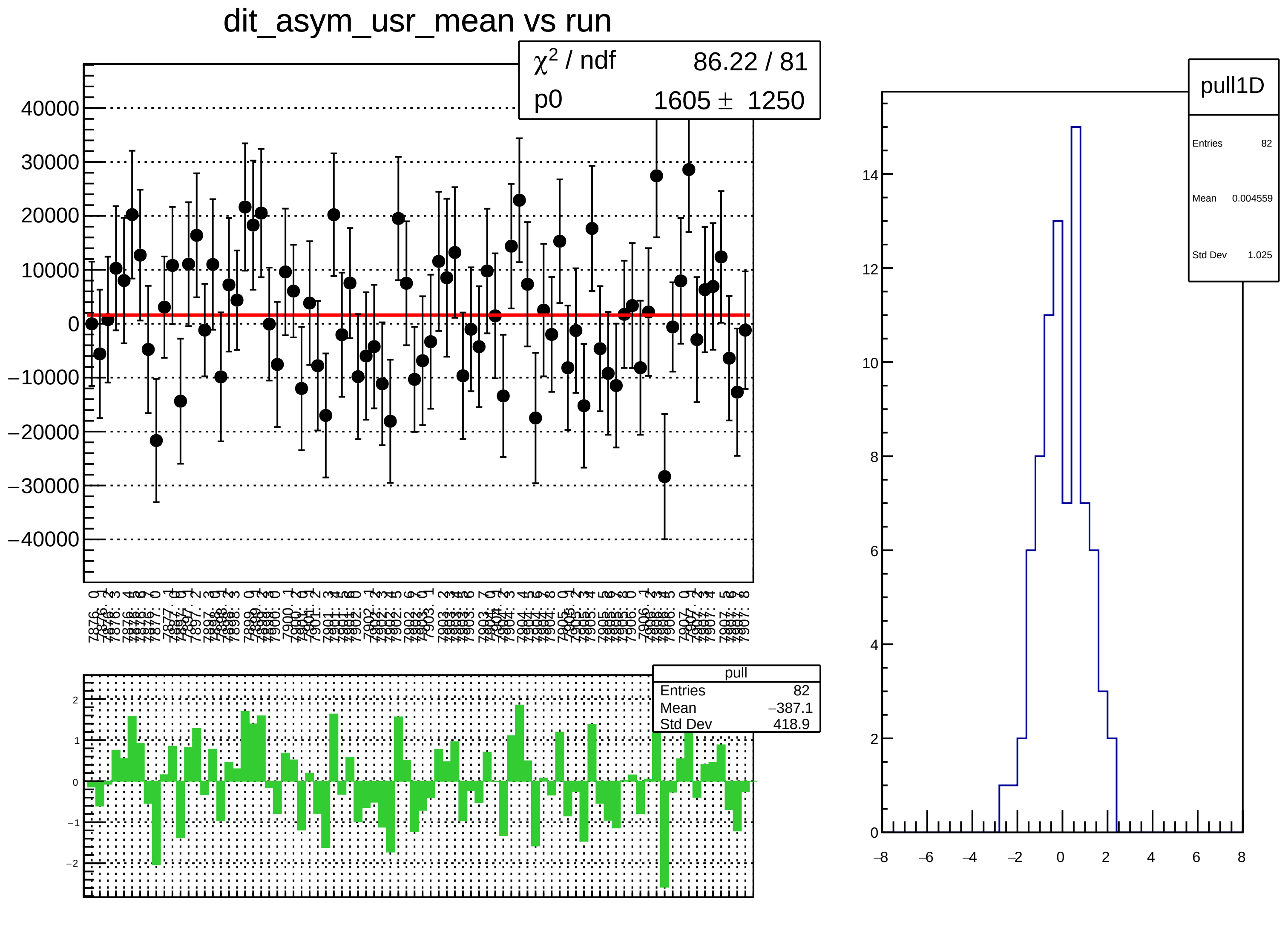


asym_usl_correction_rms vs run
χ2 / ndf 1.68e+04 / 81
p0 1323 ± 1.054
3000
2500
2000
1500
1000

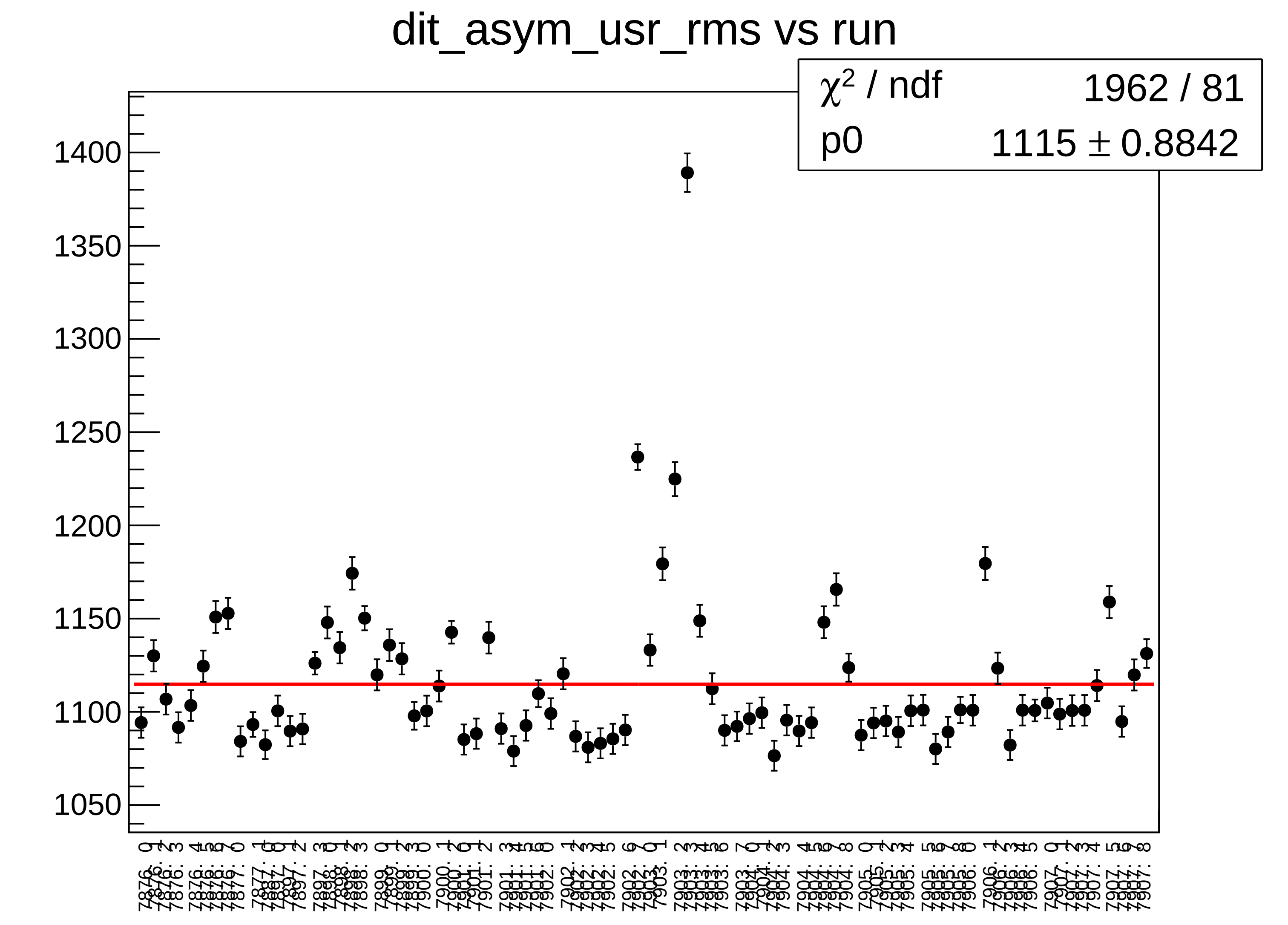


asym_usl_mean vs run
χ² / ndf 85.17 / 81
p0 1575 ± 1979
pull
Entries 82
Mean −27.92
Std Dev 56.32
pull1D
Entries 82
Mean −0.02727
Std Dev 1.019

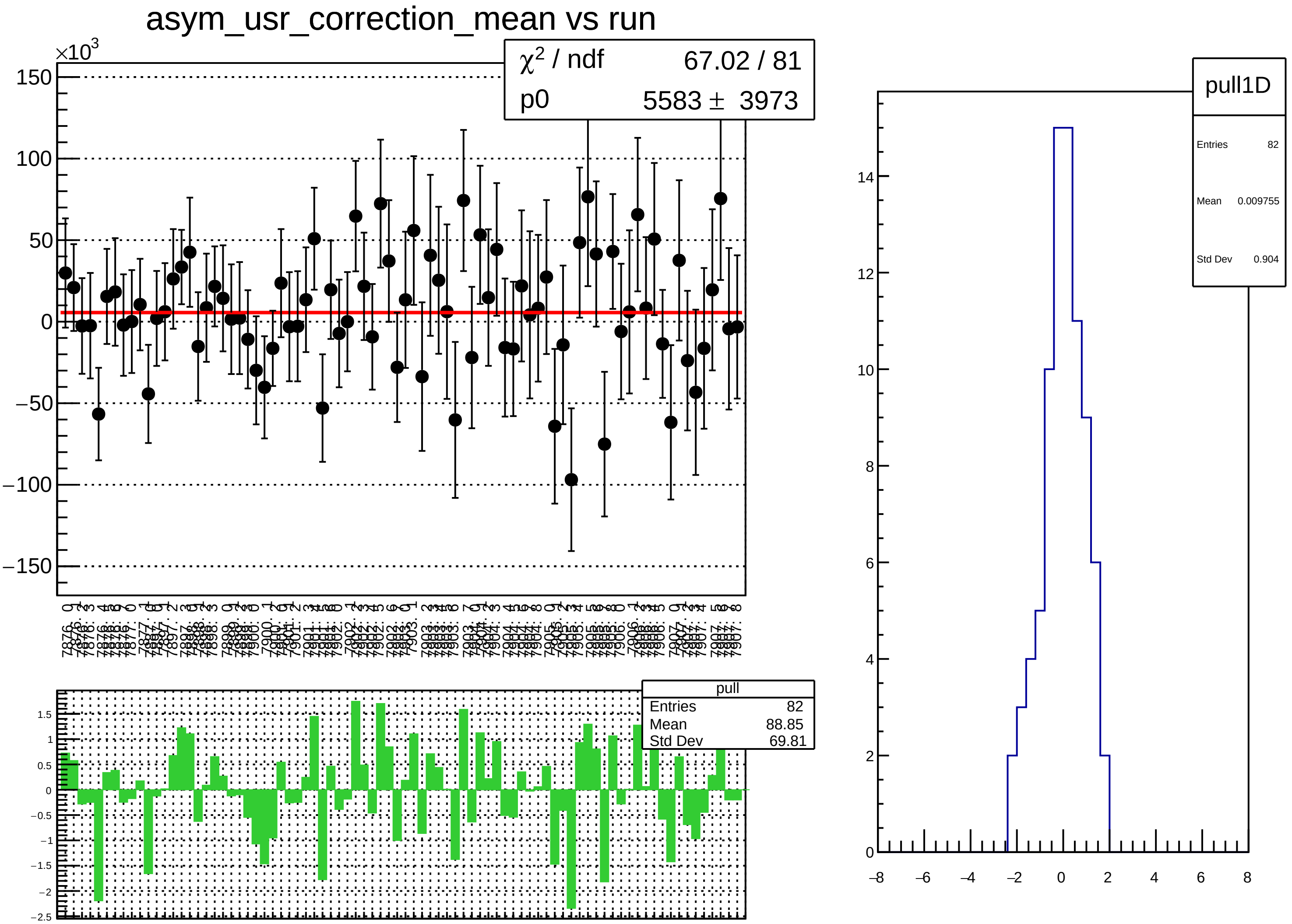

asym_usl_rms vs run
χ2 / ndf 1.514e+04 / 81
p0 1757 ± 1.399
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400



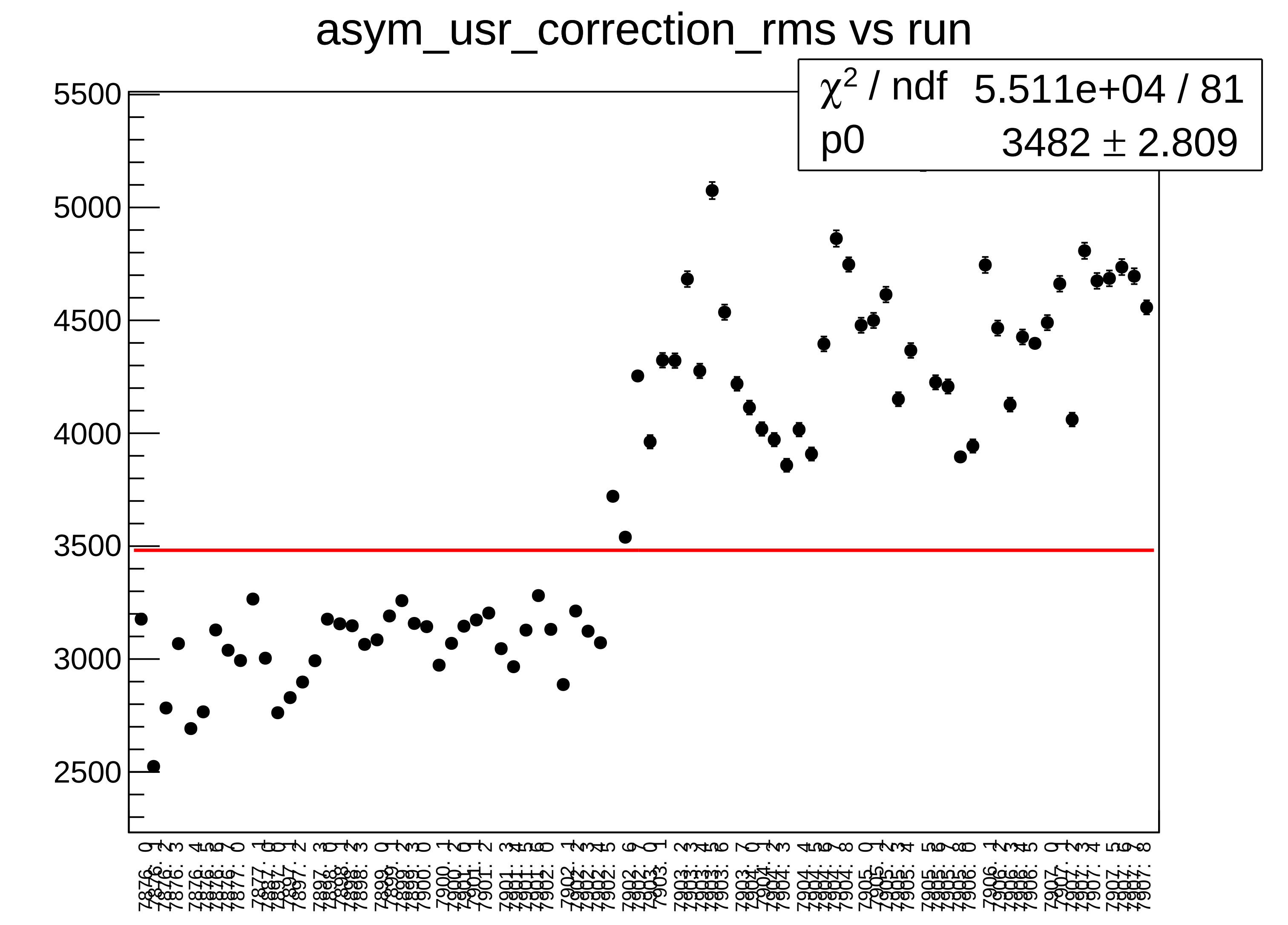
dit_asym_usr_mean vs run
χ2 / ndf 86.22 / 81
p0 1605 ± 1250
pull
Entries 82
Mean −387.1
Std Dev 418.9
pull1D
Entries 82
Mean 0.004559
Std Dev 1.025



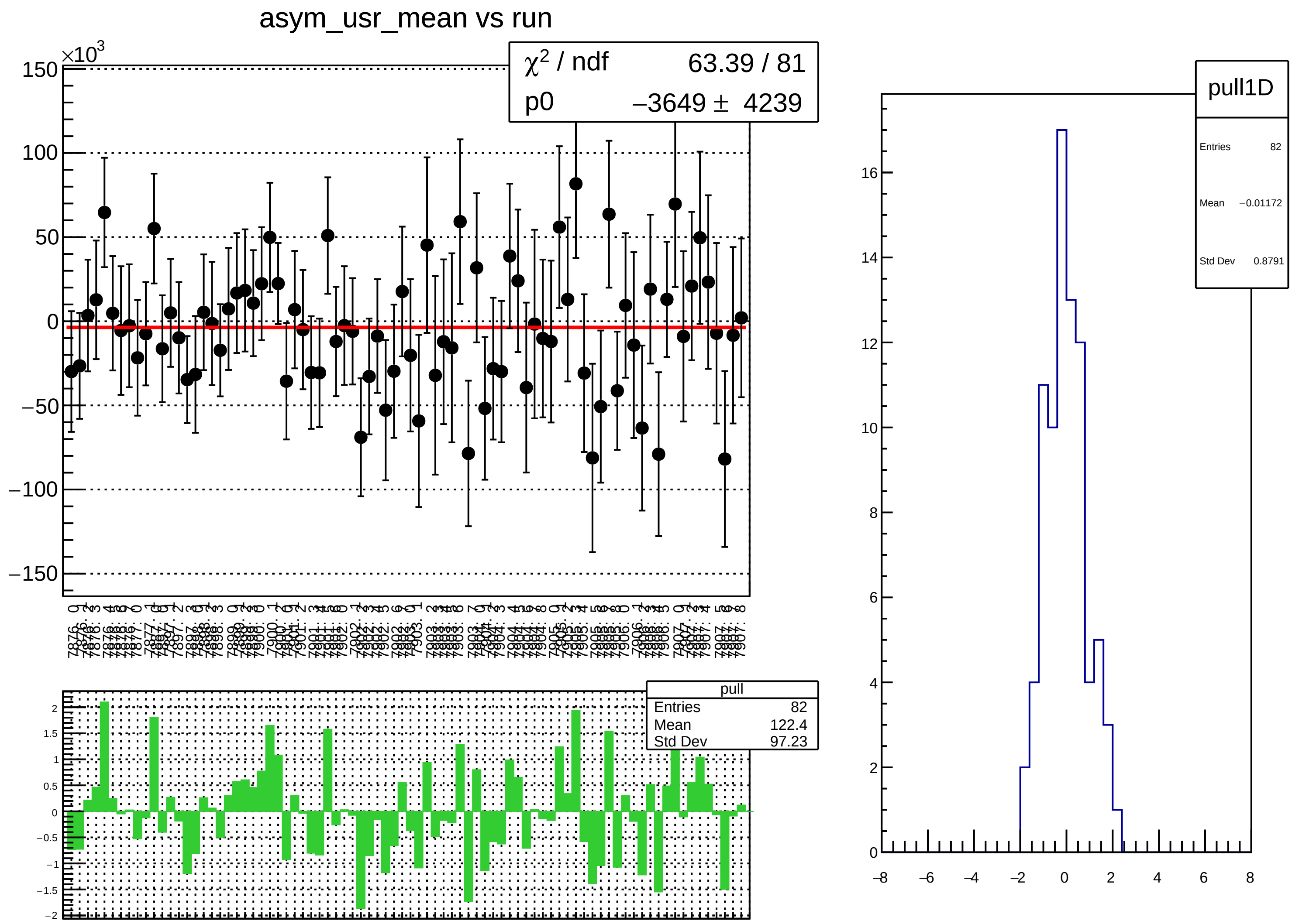
dit_asym_usr_rms vs run
χ^2 / ndf 1962 / 81
p0 1115 ± 0.8842
1400
1350
1300
1250
1200
1150
1100
1050

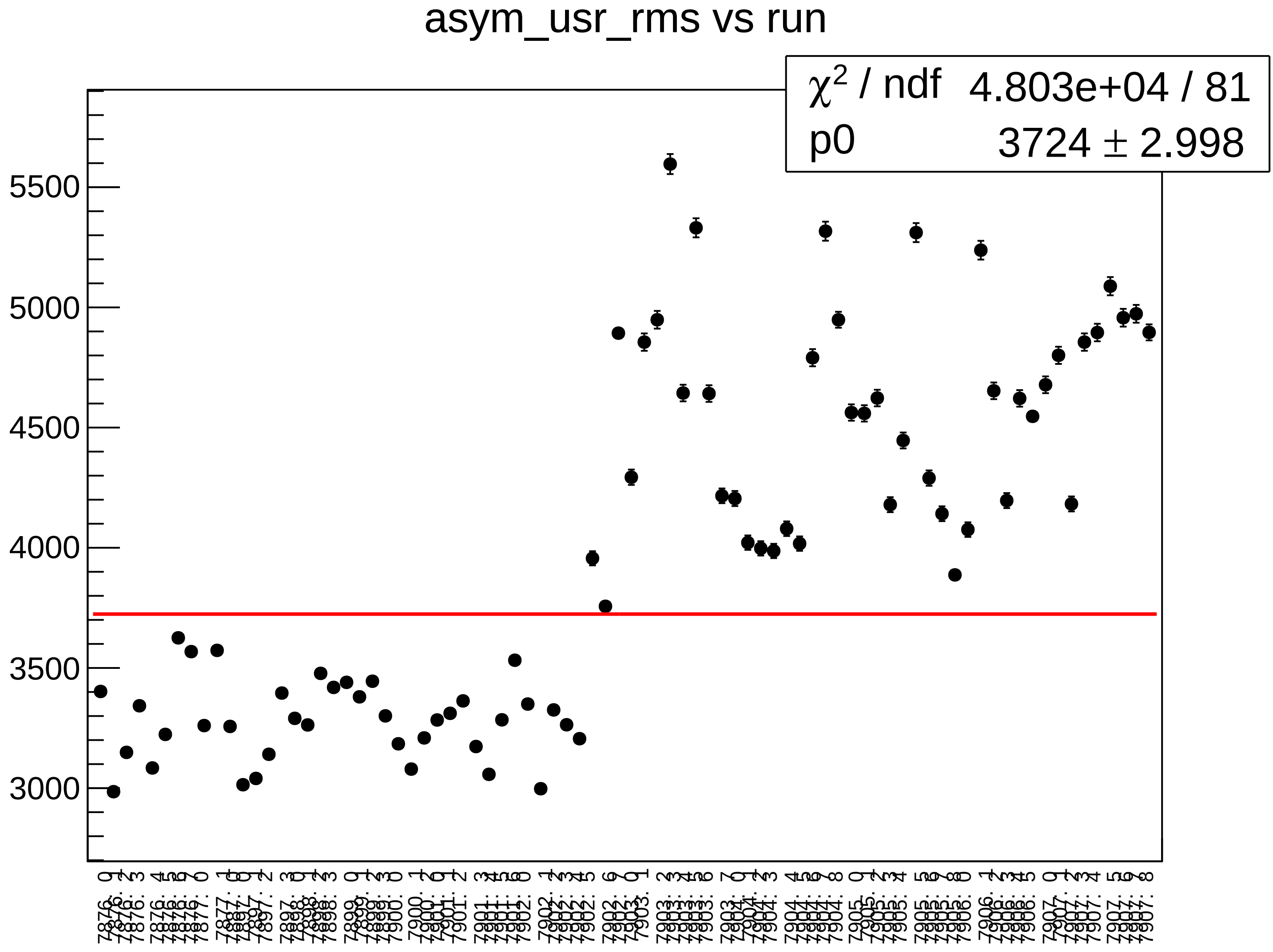


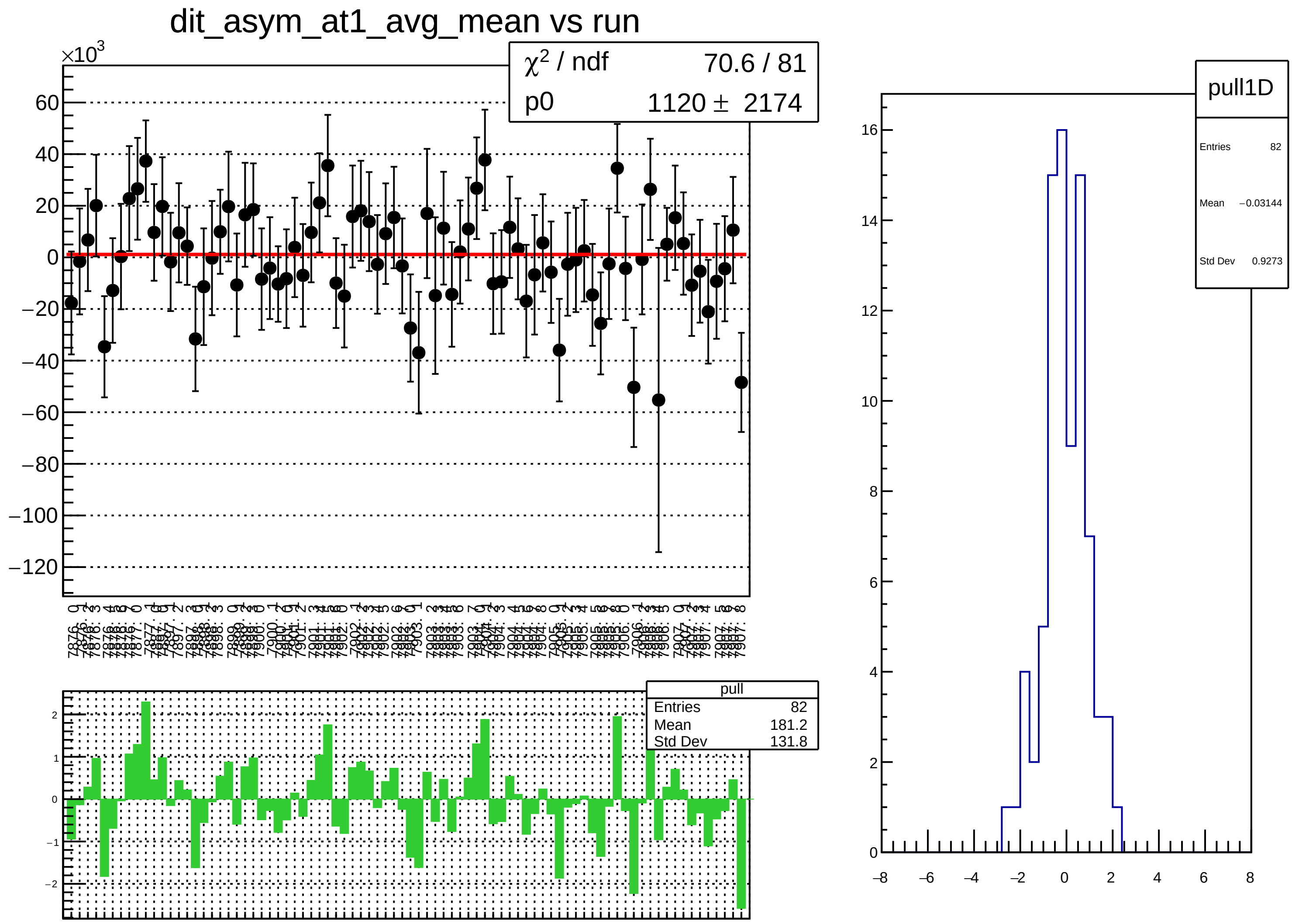
asym_usr_correction_mean vs run
$\times 10^3$
χ^2 / ndf 67.02 / 81
p0 5583 ± 3973
pull
Entries 82
Mean 88.85
Std Dev 69.81
pull1D
Entries 82
Mean 0.009755
Std Dev 0.904



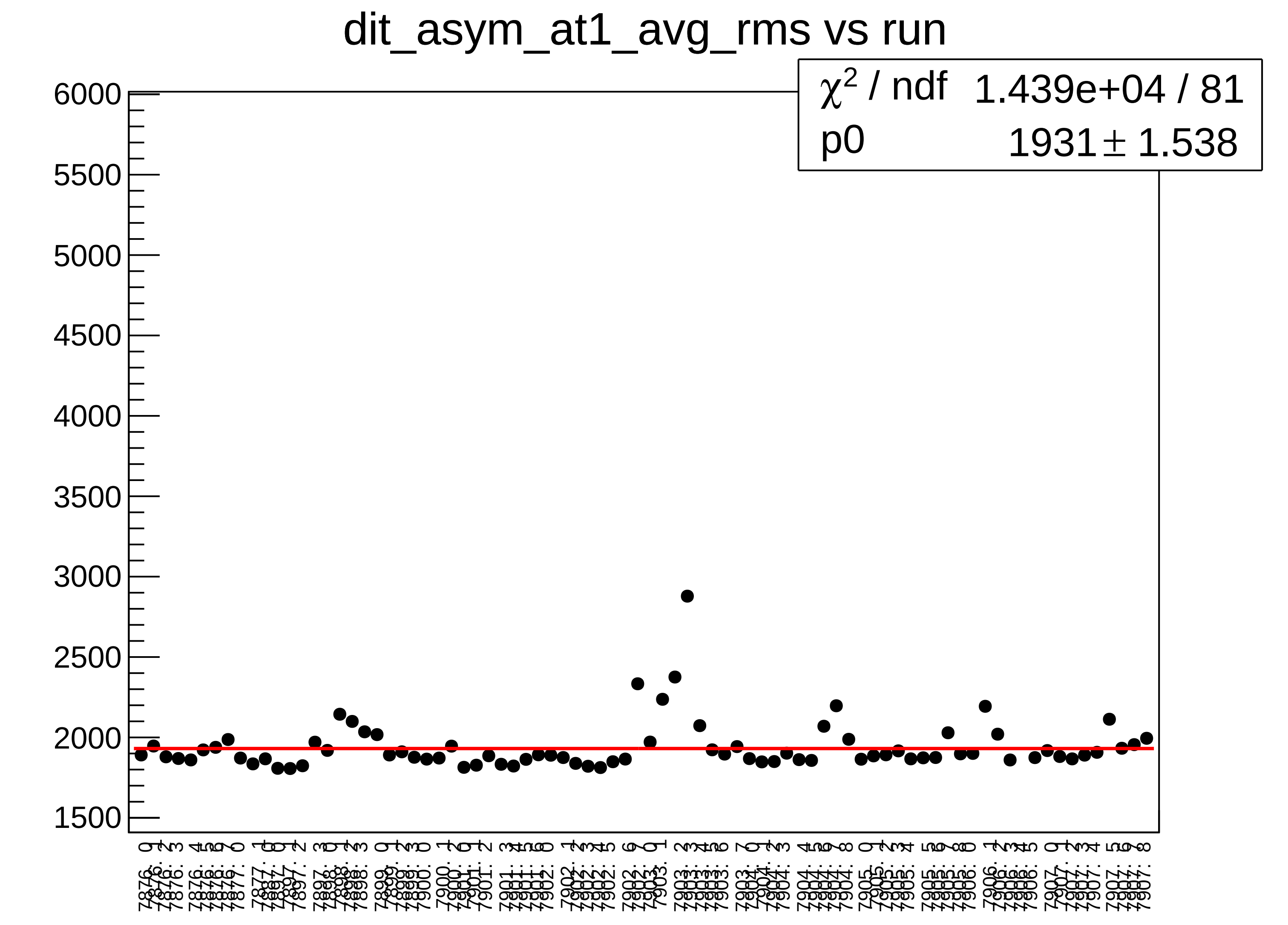
asym_usr_correction_rms vs run
χ^2 / ndf 5.511e+04 / 81
p0 3482 ± 2.809
5500
5000
4500
4000
3500
3000
2500


asym_usr_mean vs run
$\times 10^3$
χ^2 / 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

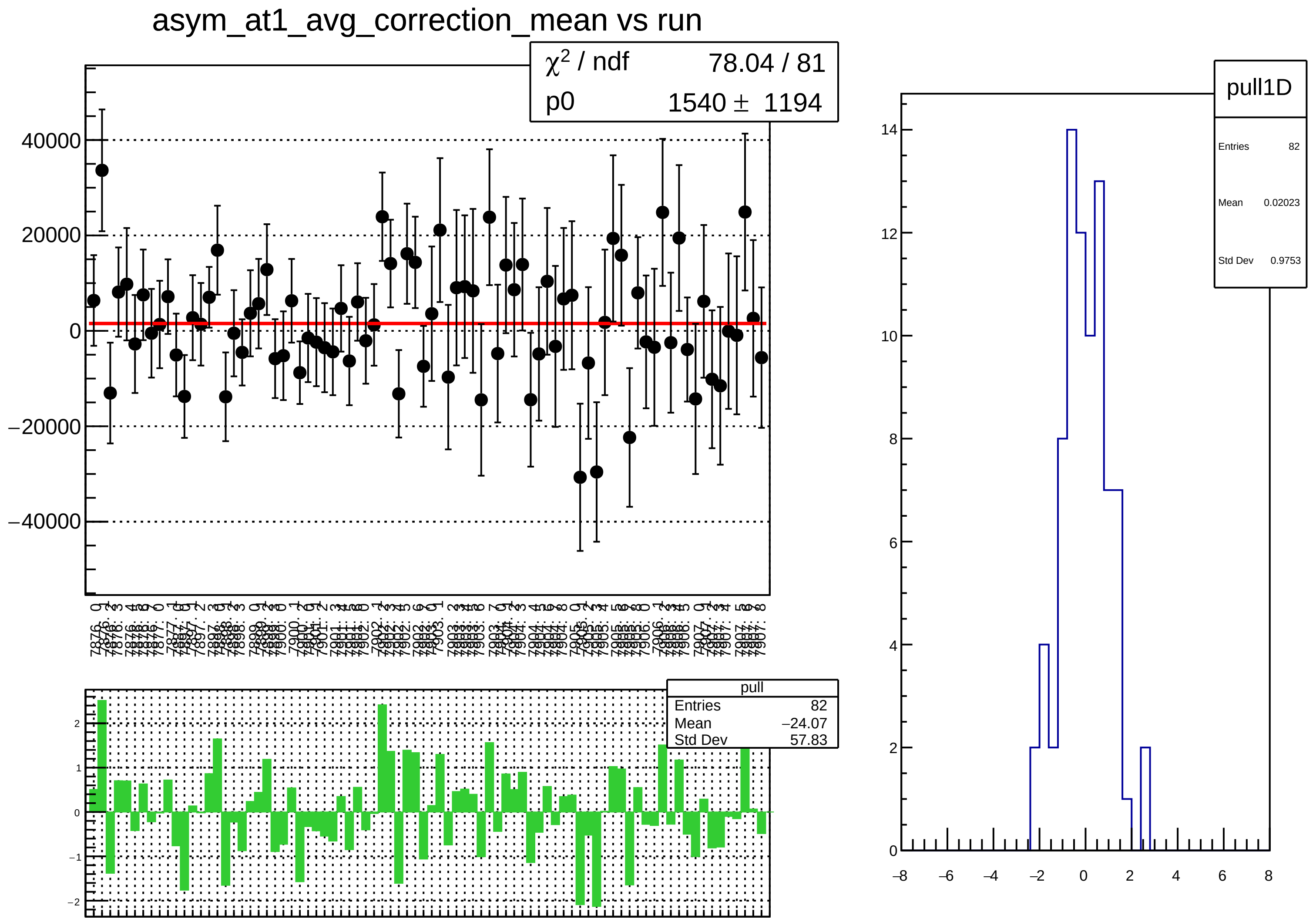

asym_usr_rms vs run
χ^2 / ndf 4.803e+04 / 81
p0 3724 ± 2.998
5500
5000
4500
4000
3500
3000

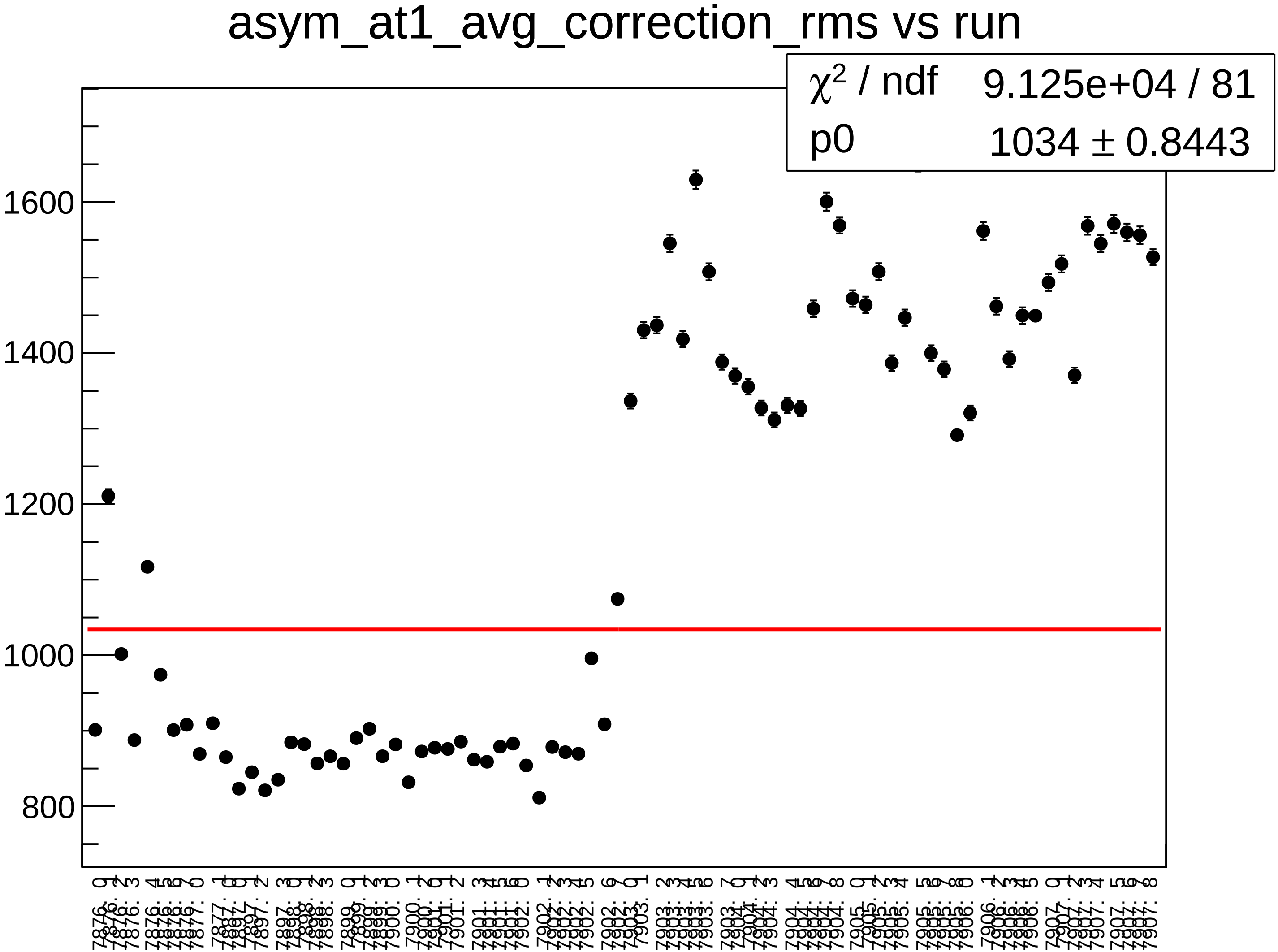


dit_asym_at1_avg_mean vs run
χ^2 / ndf 70.6 / 81
p0 1120 ± 2174
×10^3
pull
Entries 82
Mean 181.2
Std Dev 131.8
pull1D
Entries 82
Mean −0.03144
Std Dev 0.9273

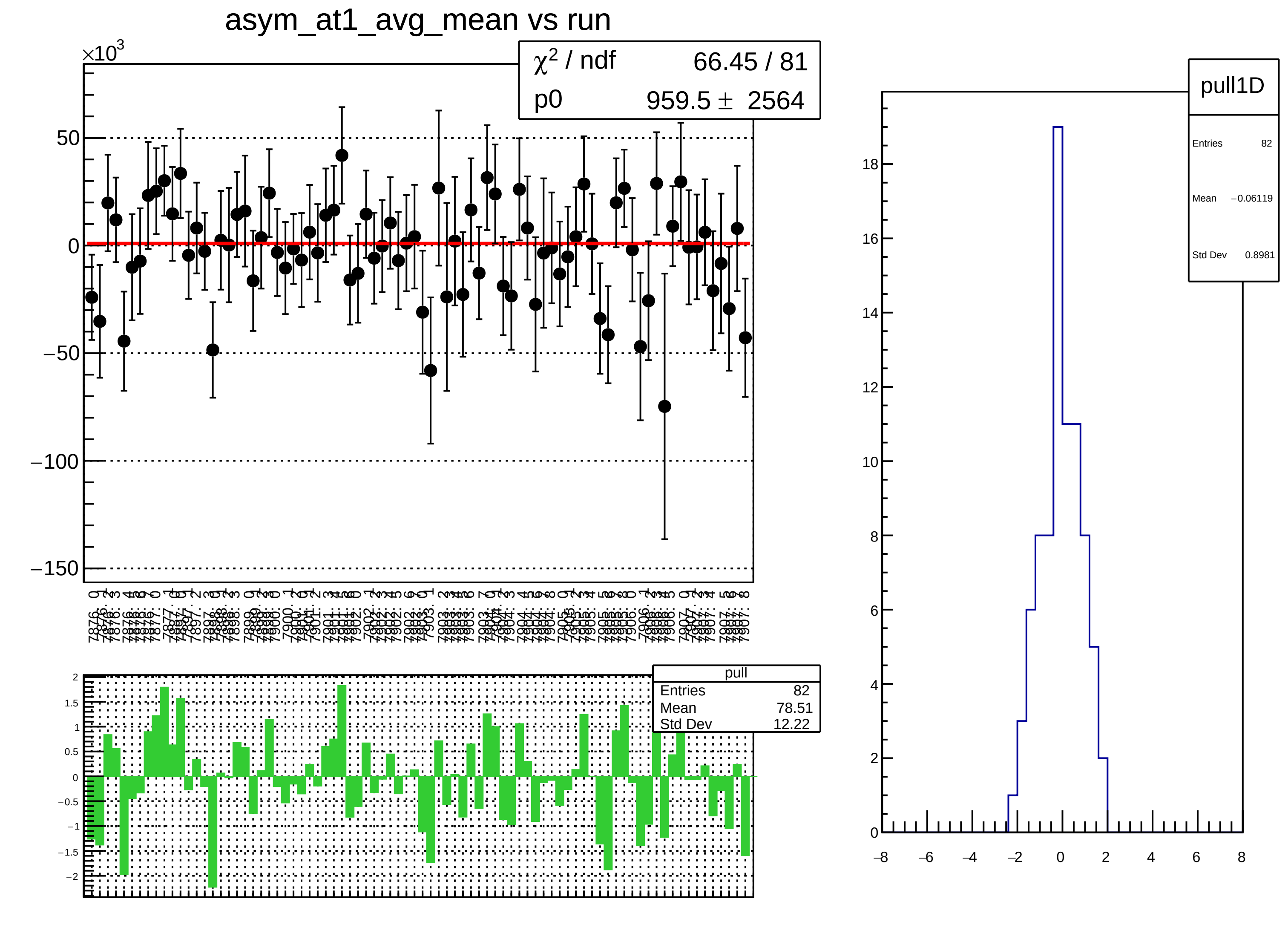


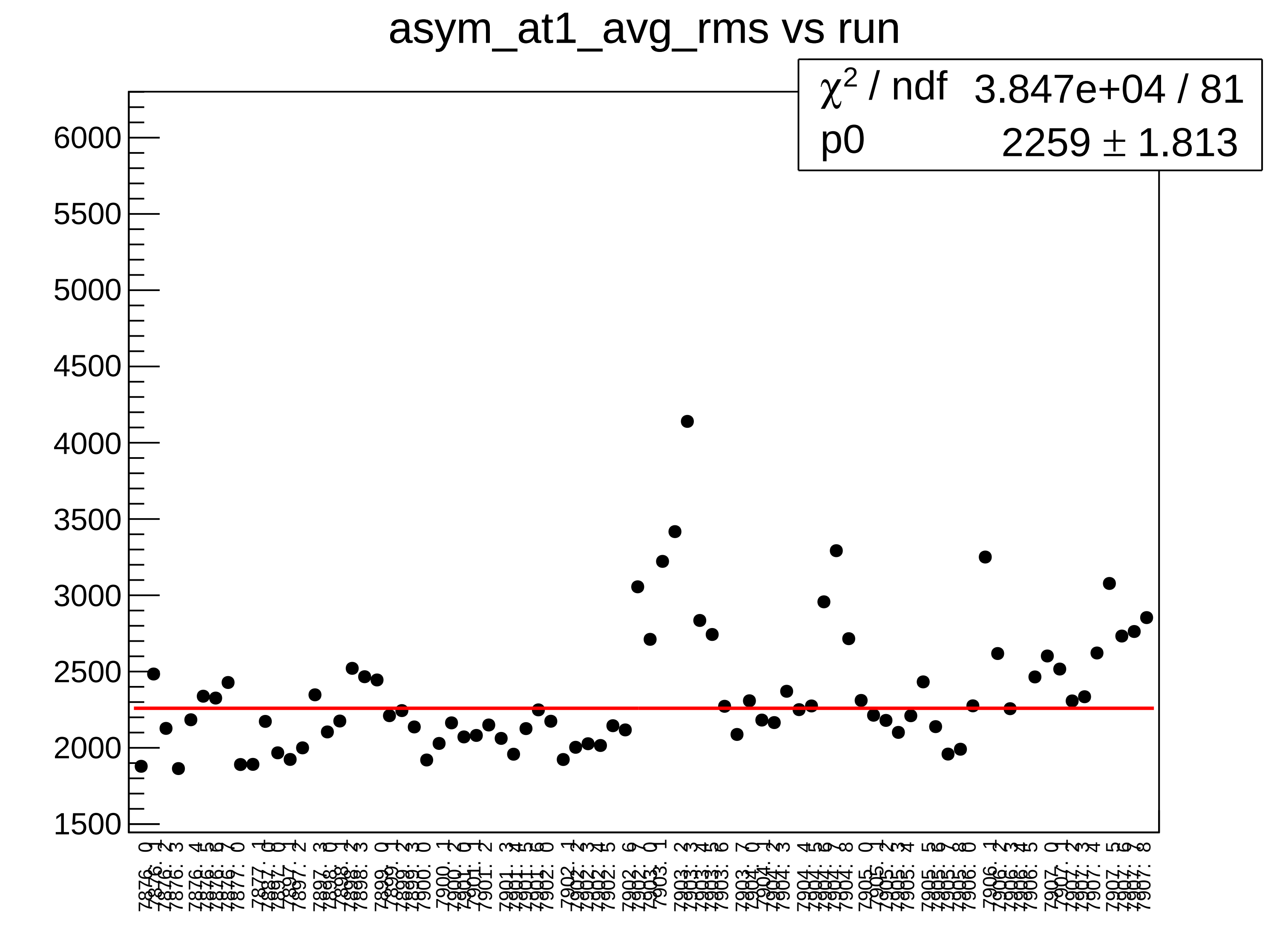
dit_asym_at1_avg_rms vs run
χ2 / ndf 1.439e+04 / 81
p0 1931 ± 1.538
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_at1_avg_correction_mean vs run
χ^2 / ndf 78.04 / 81
p0 1540 ± 1194
pull
Entries 82
Mean −24.07
Std Dev 57.83
pull1D
Entries 82
Mean 0.02023
Std Dev 0.9753

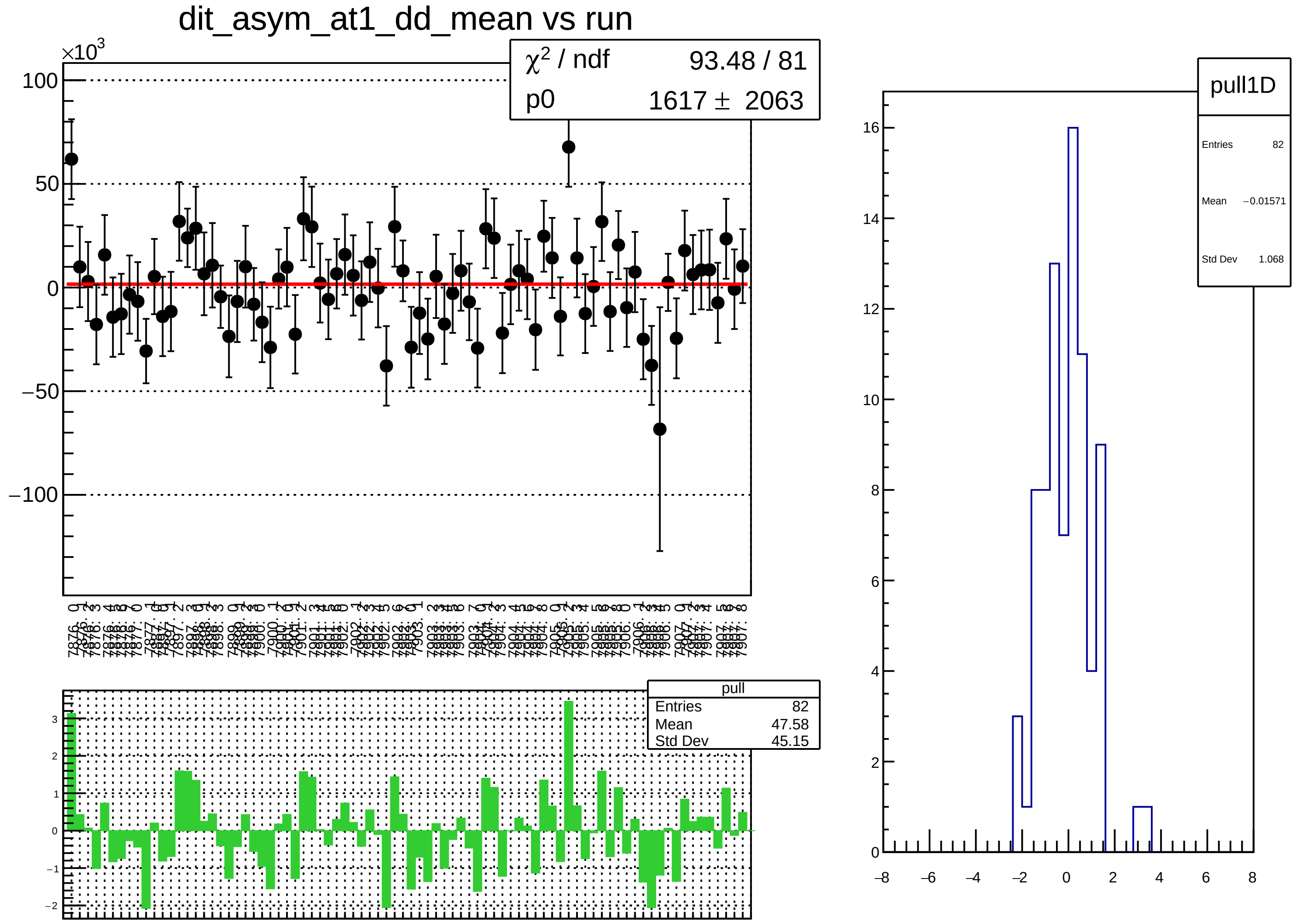


asym_at1_avg_correction_rms vs run
χ2 / ndf 9.125e+04 / 81
p0 1034 ± 0.8443
1600
1400
1200
1000
800

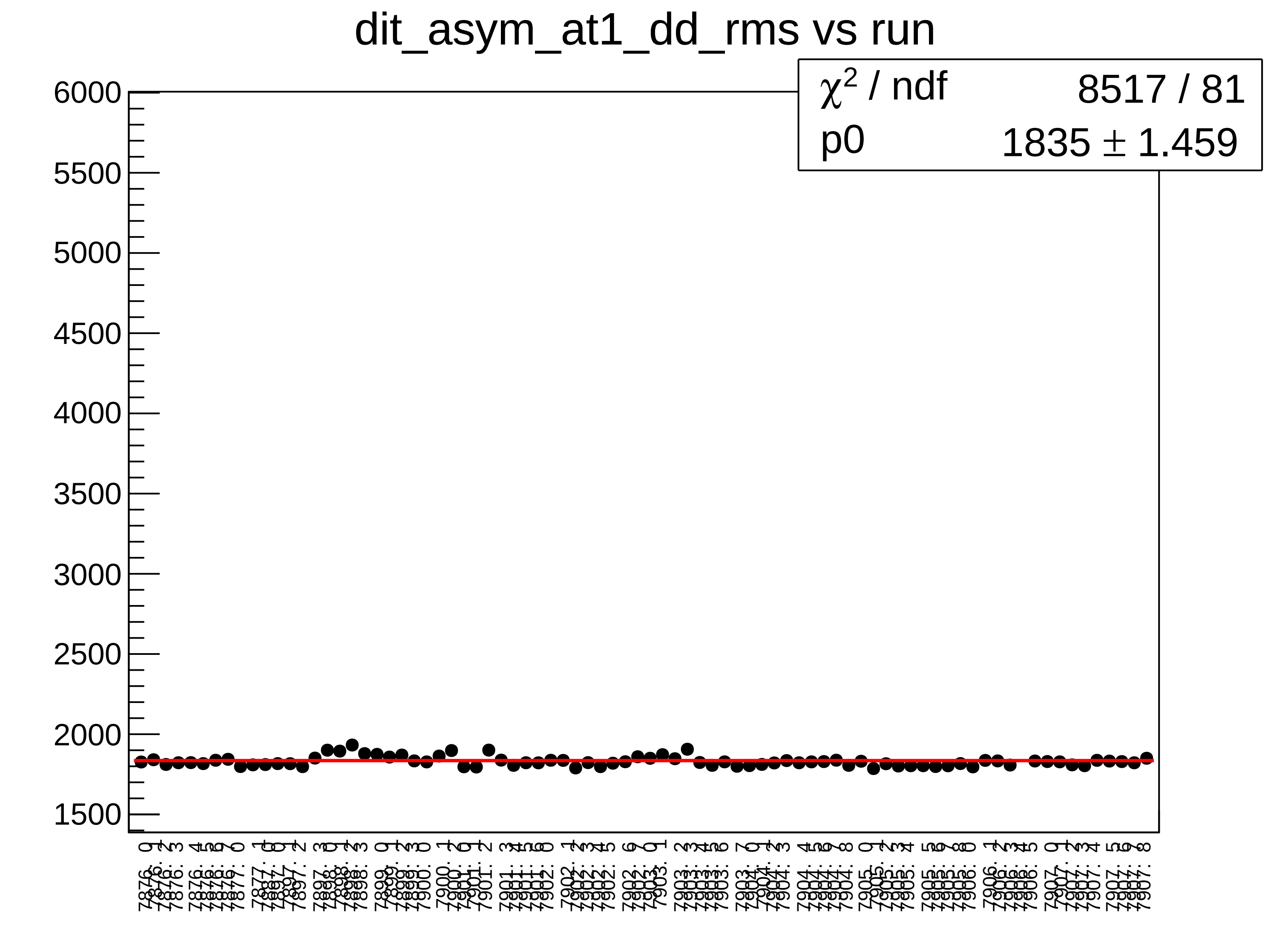

asym_at1_avg_mean vs run
χ^2 / ndf 66.45 / 81
p0 959.5 ± 2564
pull
Entries 82
Mean 78.51
Std Dev 12.22
pull1D
Entries 82
Mean −0.06119
Std Dev 0.8981

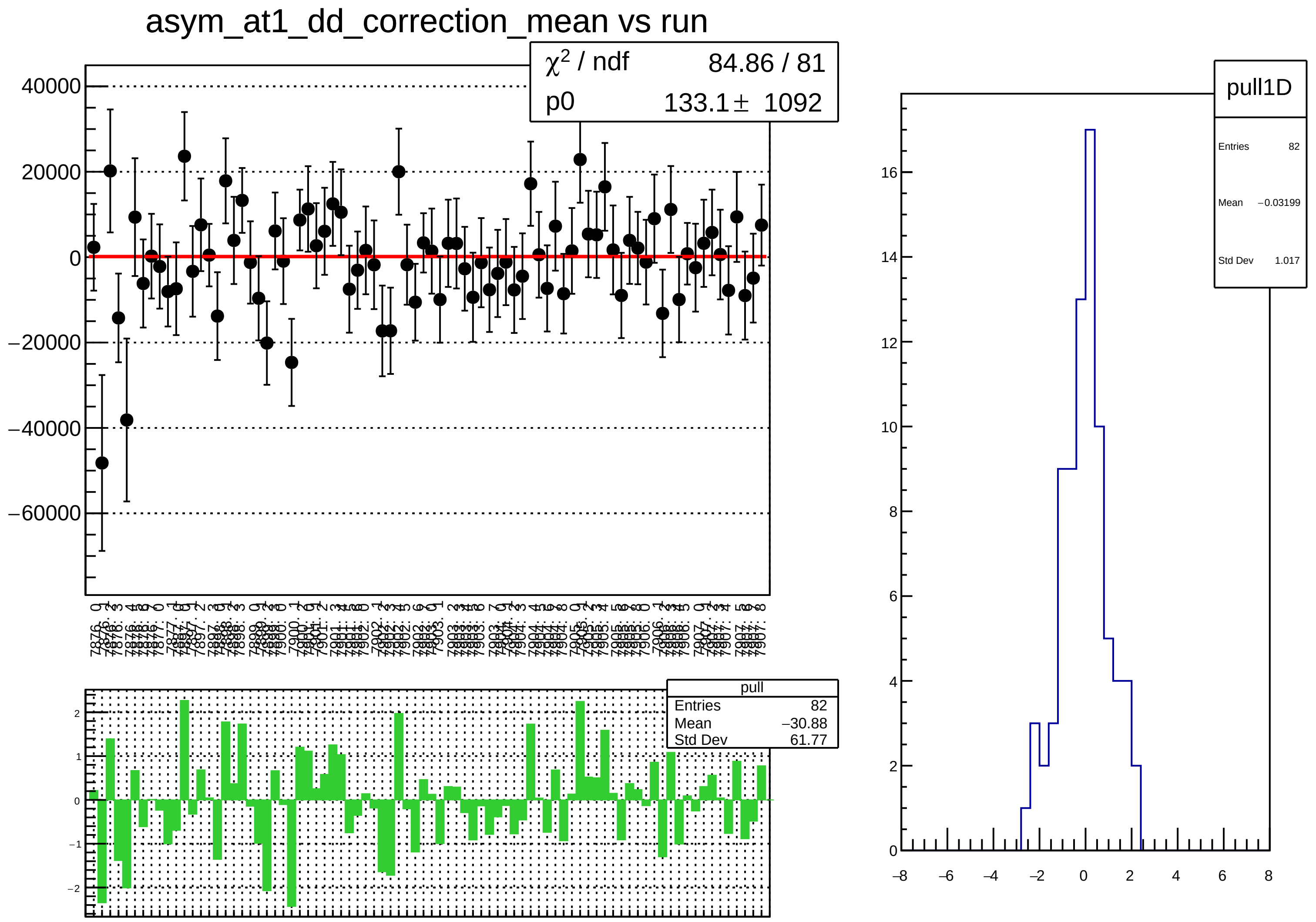


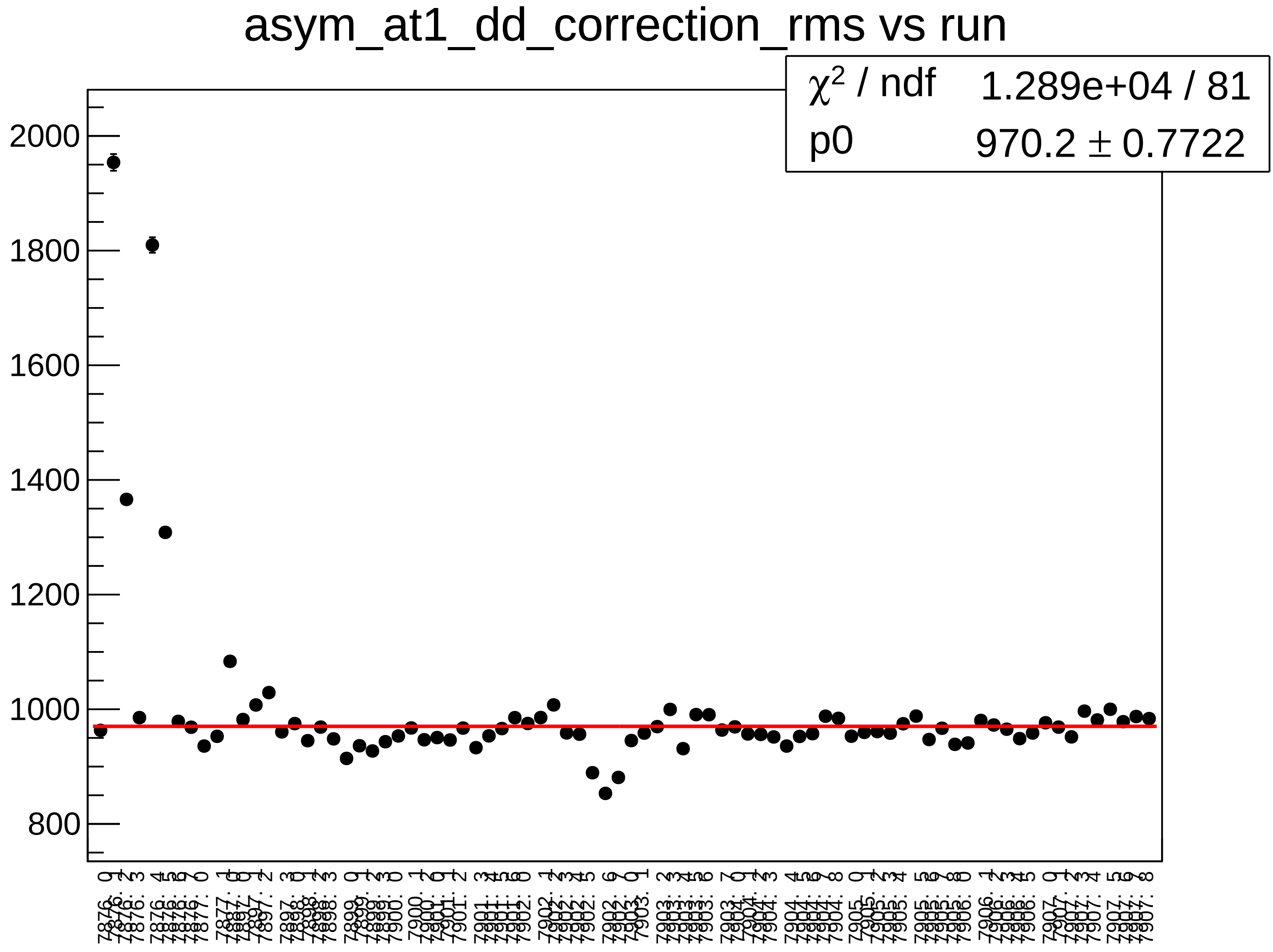
asym_at1_avg_rms vs run
χ^2 / ndf 3.847e+04 / 81
p0 2259 ± 1.813
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



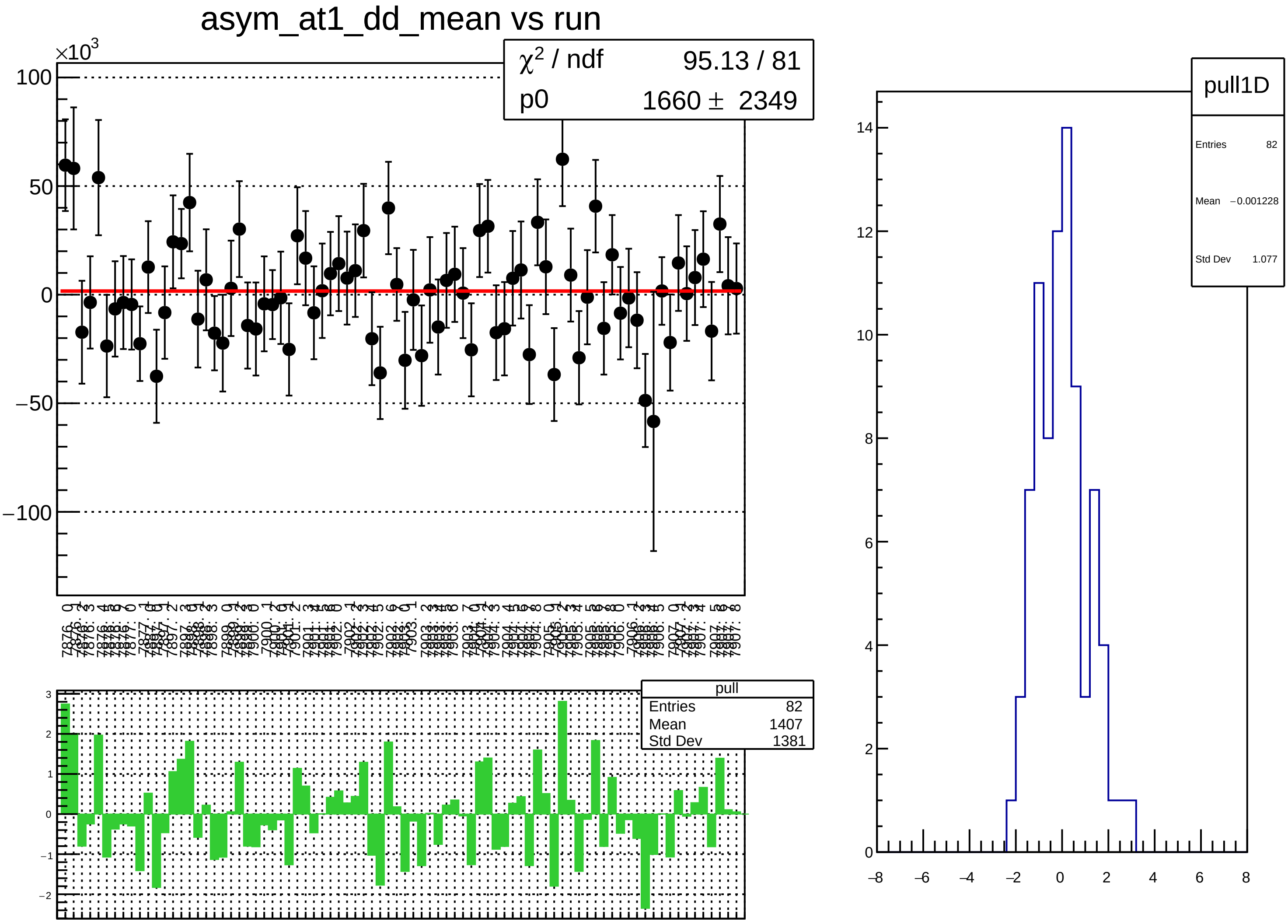
dit_asym_at1_dd_mean vs run
×10^3
100
50
0
−50
−100
χ^2 / ndf 93.48 / 81
p0 1617 ± 2063
pull
Entries 82
Mean 47.58
Std Dev 45.15
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01571
Std Dev 1.068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_dd_rms vs run
χ2 / ndf 8517 / 81
p0 1835 ± 1.459
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

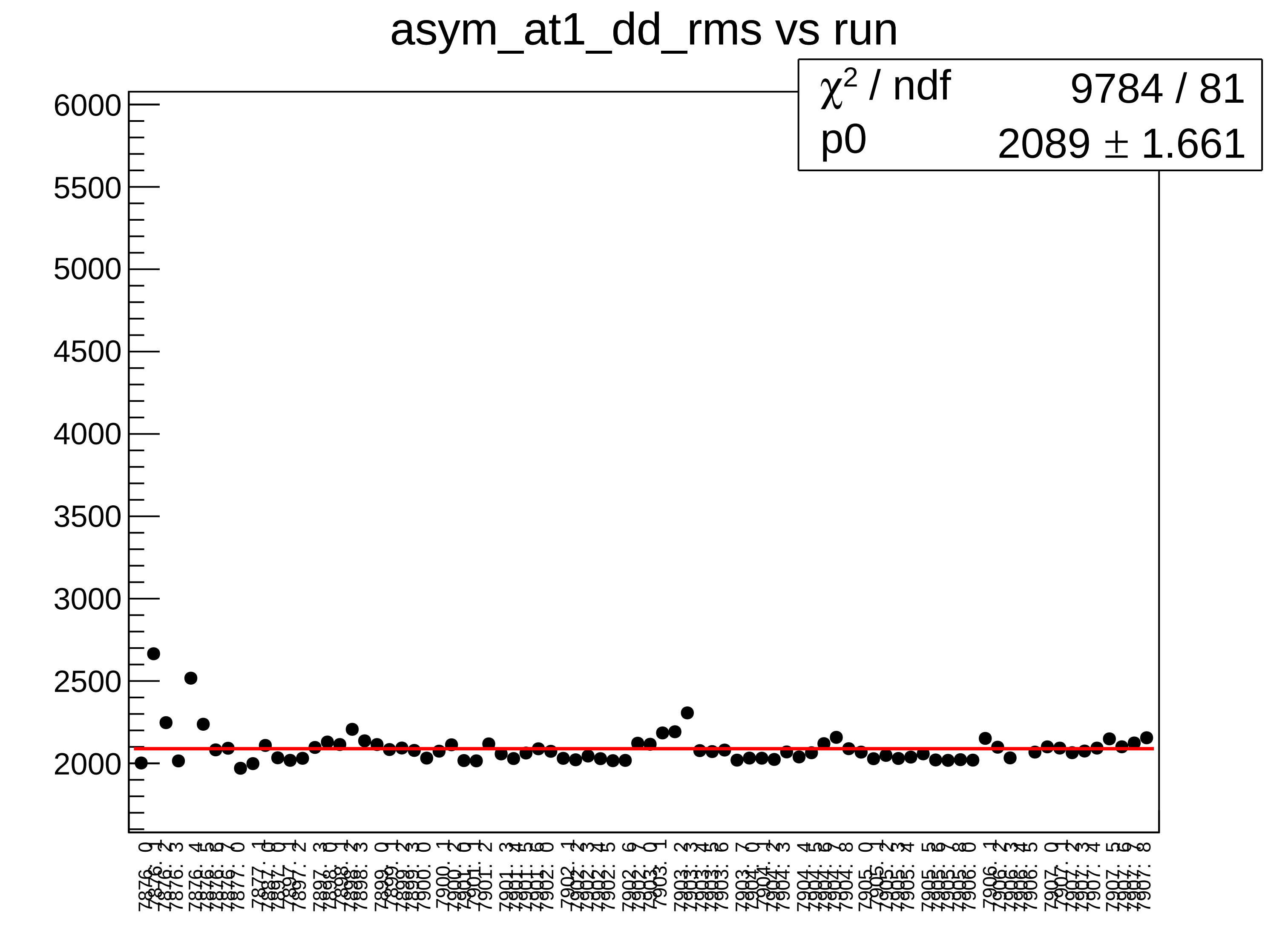

asym_at1_dd_correction_mean vs run
χ^2 / ndf 84.86 / 81
p0 133.1 ± 1092
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −30.88
Std Dev 61.77
pull1D
Entries 82
Mean −0.03199
Std Dev 1.017

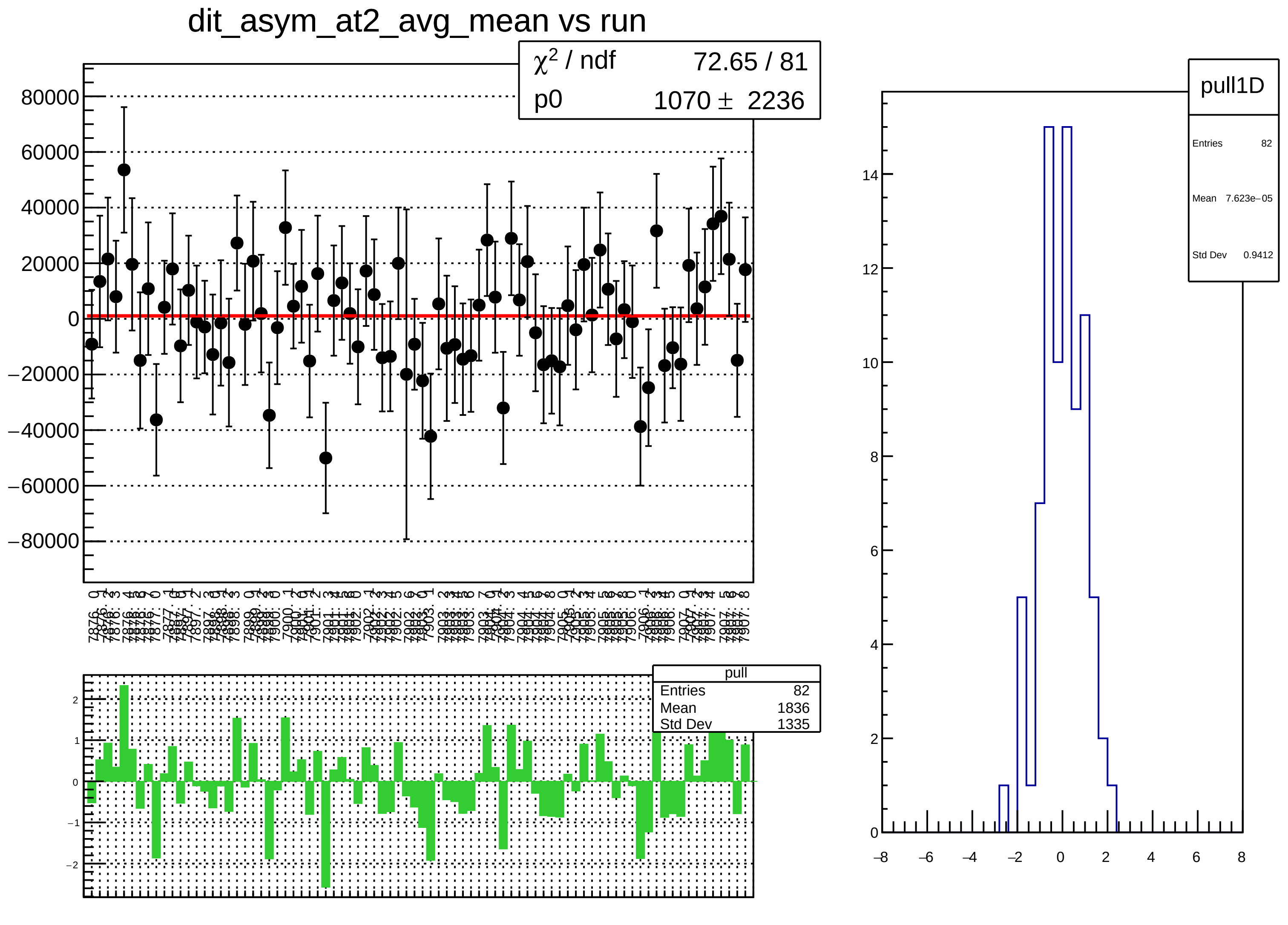


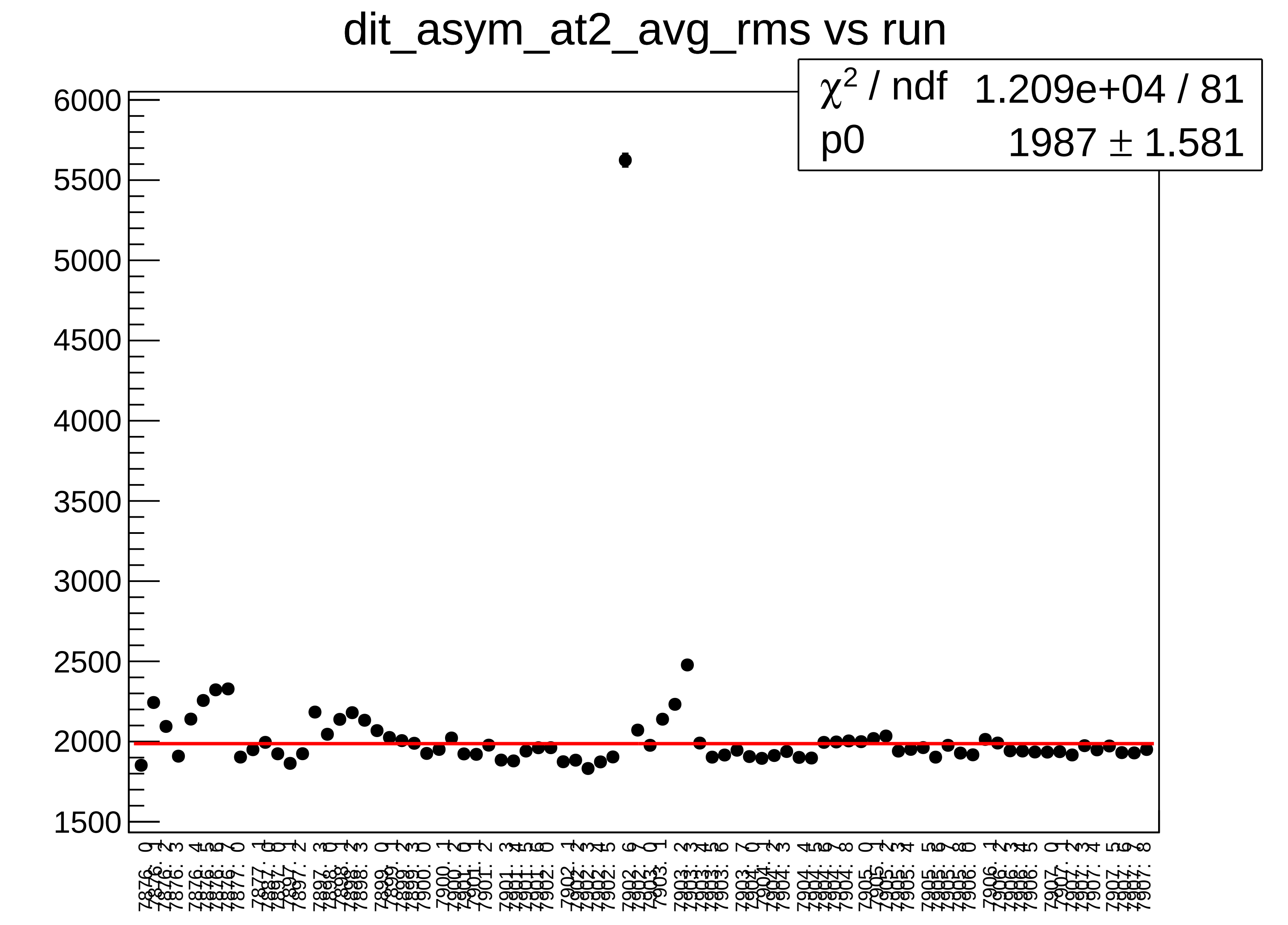
asym_at1_dd_correction_rms vs run
χ^2 / ndf 1.289e+04 / 81
p0 970.2 ± 0.7722
2000
1800
1600
1400
1200
1000
800



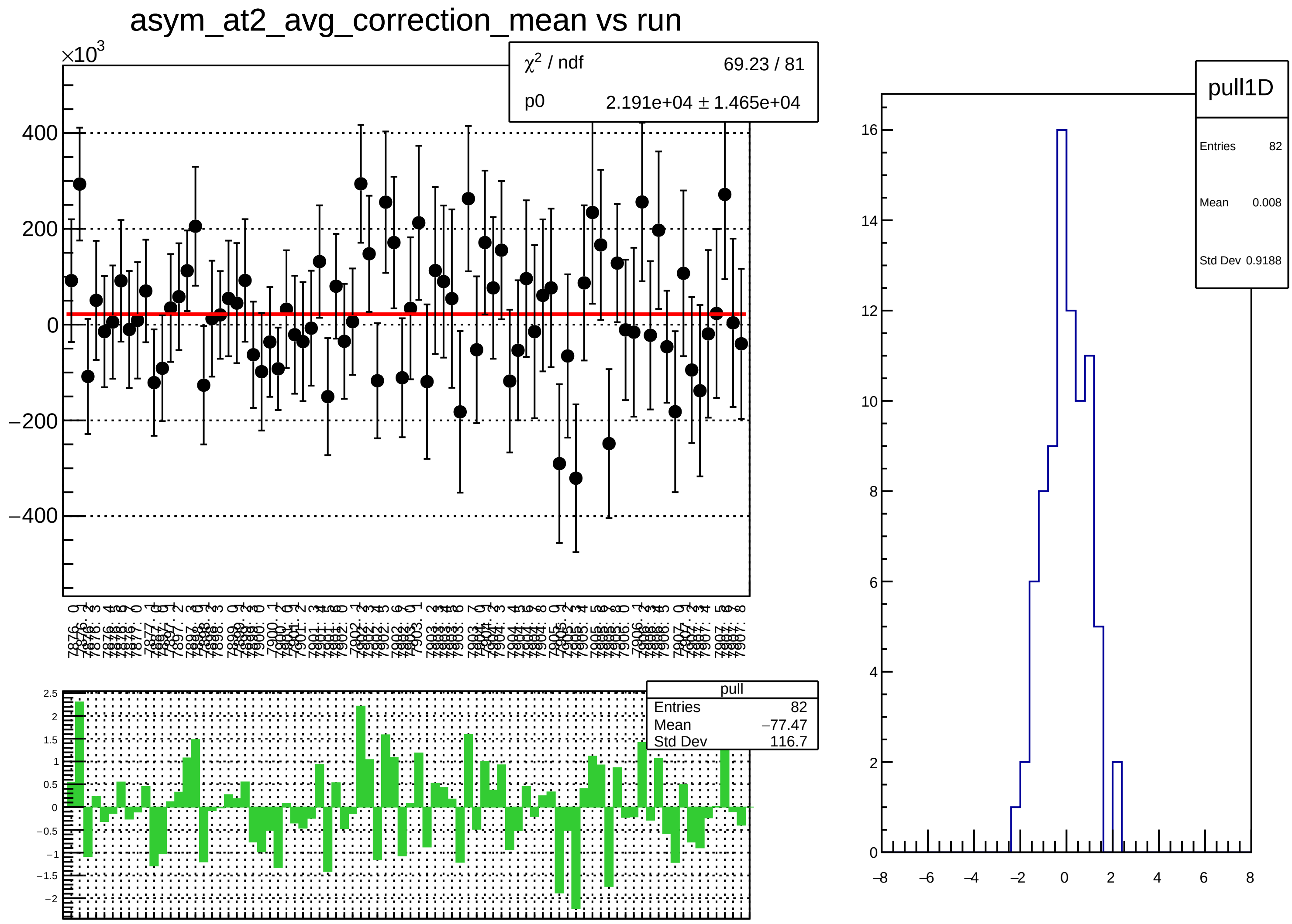
asym_at1_dd_mean vs run
$\times 10^3$
χ^2 / ndf 95.13 / 81
p0 1660 ± 2349
100
50
0
−50
−100
pull
Entries 82
Mean 1407
Std Dev 1381
pull1D
Entries 82
Mean −0.001228
Std Dev 1.077


asym_at1_dd_rms vs run
χ^2 / ndf 9784 / 81
p0 2089 ± 1.661
6000
5500
5000
4500
4000
3500
3000
2500
2000

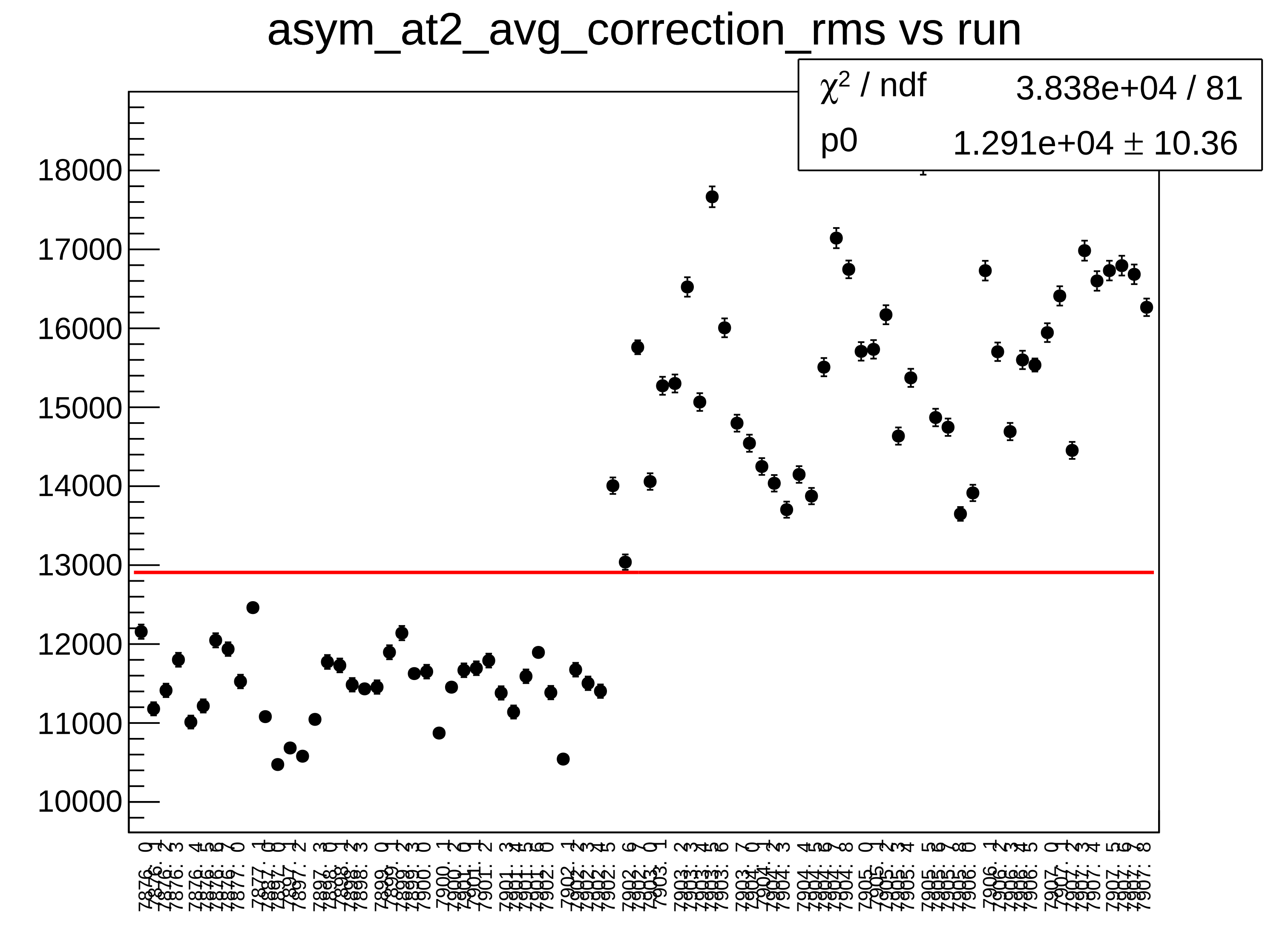

dit_asym_at2_avg_mean vs run
χ^2 / ndf 72.65 / 81
p0 1070 ± 2236
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 1836
Std Dev 1335
2
1
0
−1
−2
pull1D
Entries 82
Mean 7.623e−05
Std Dev 0.9412
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



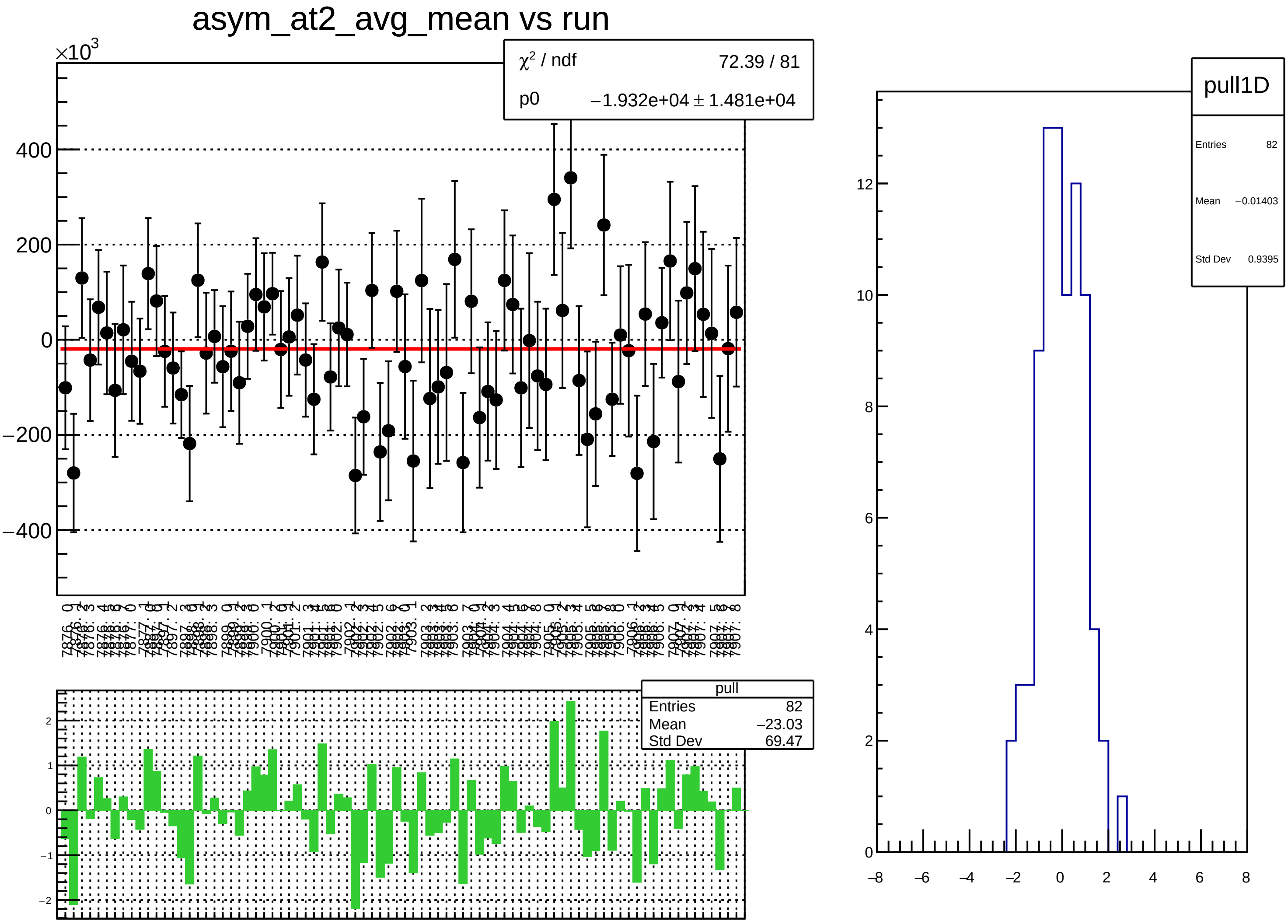
dit_asym_at2_avg_rms vs run
χ^2 / ndf 1.209e+04 / 81
p0 1987 ± 1.581



asym_at2_avg_correction_mean vs run
×10^3
χ2 / ndf 69.23 / 81
p0 2.191e+04 ± 1.465e+04
pull
Entries 82
Mean −77.47
Std Dev 116.7
pull1D
Entries 82
Mean 0.008
Std Dev 0.9188

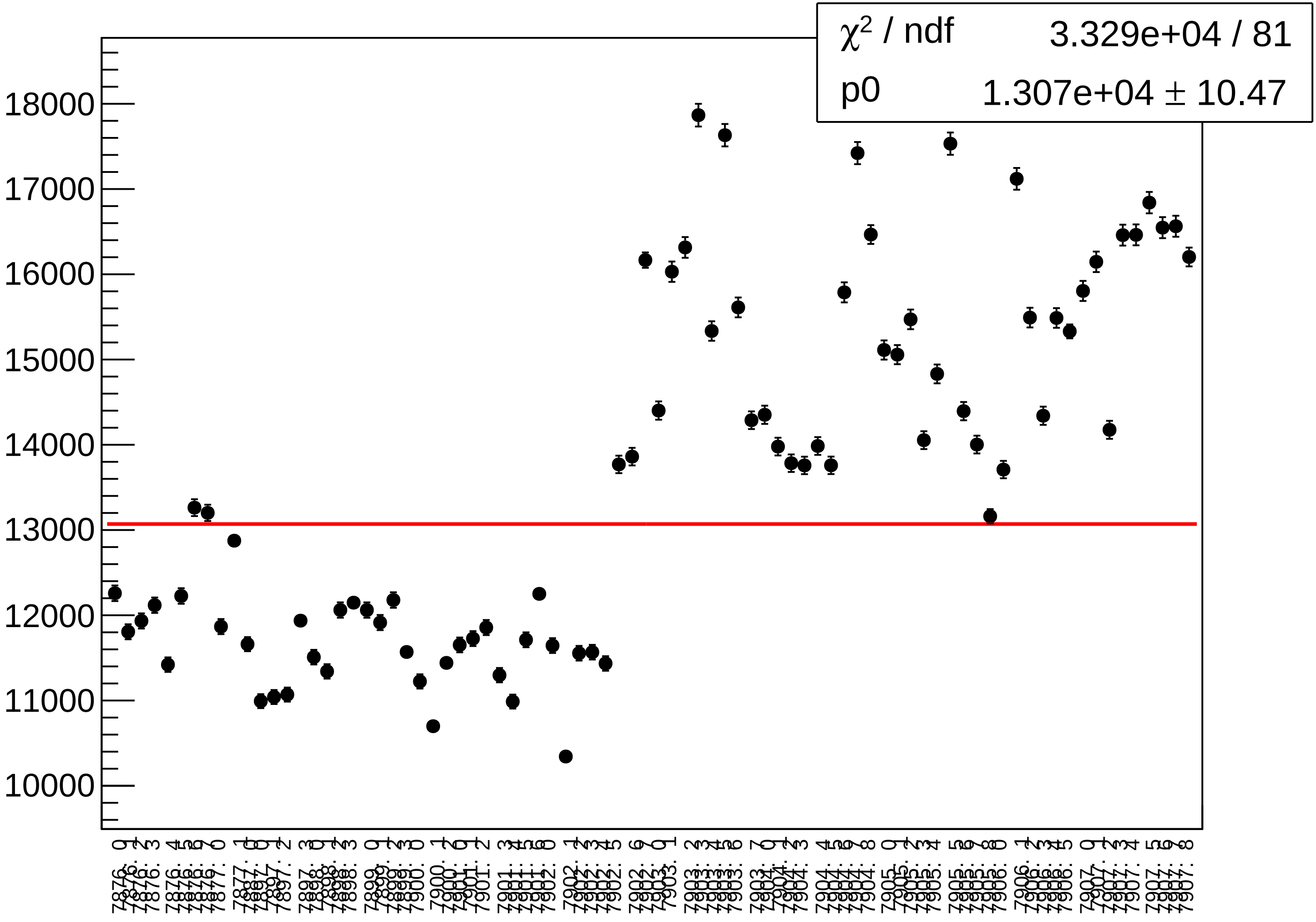


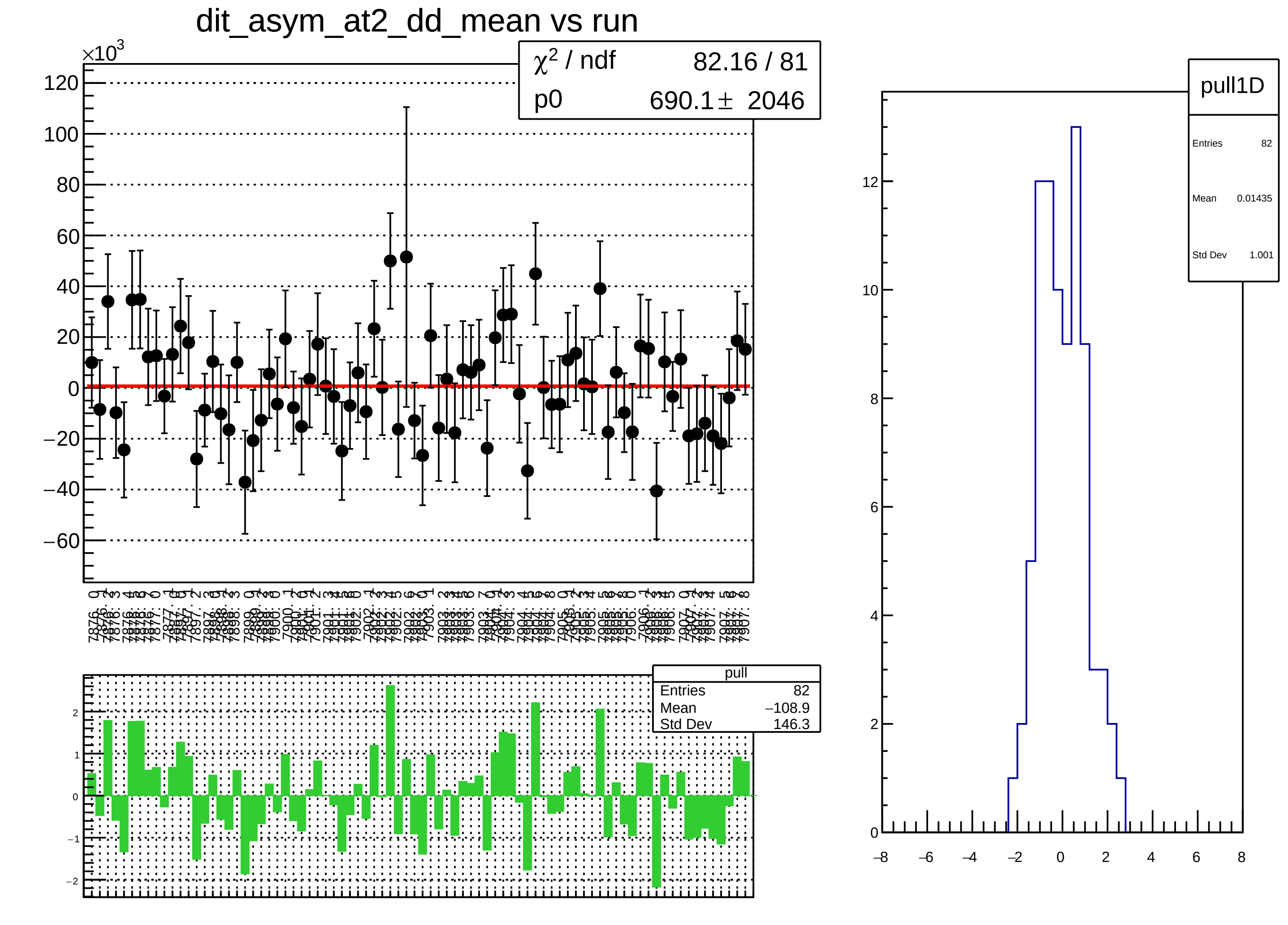
asym_at2_avg_correction_rms vs run
χ^2 / ndf 3.838e+04 / 81
p0 1.291e+04 ± 10.36
18000
17000
16000
15000
14000
13000
12000
11000
10000

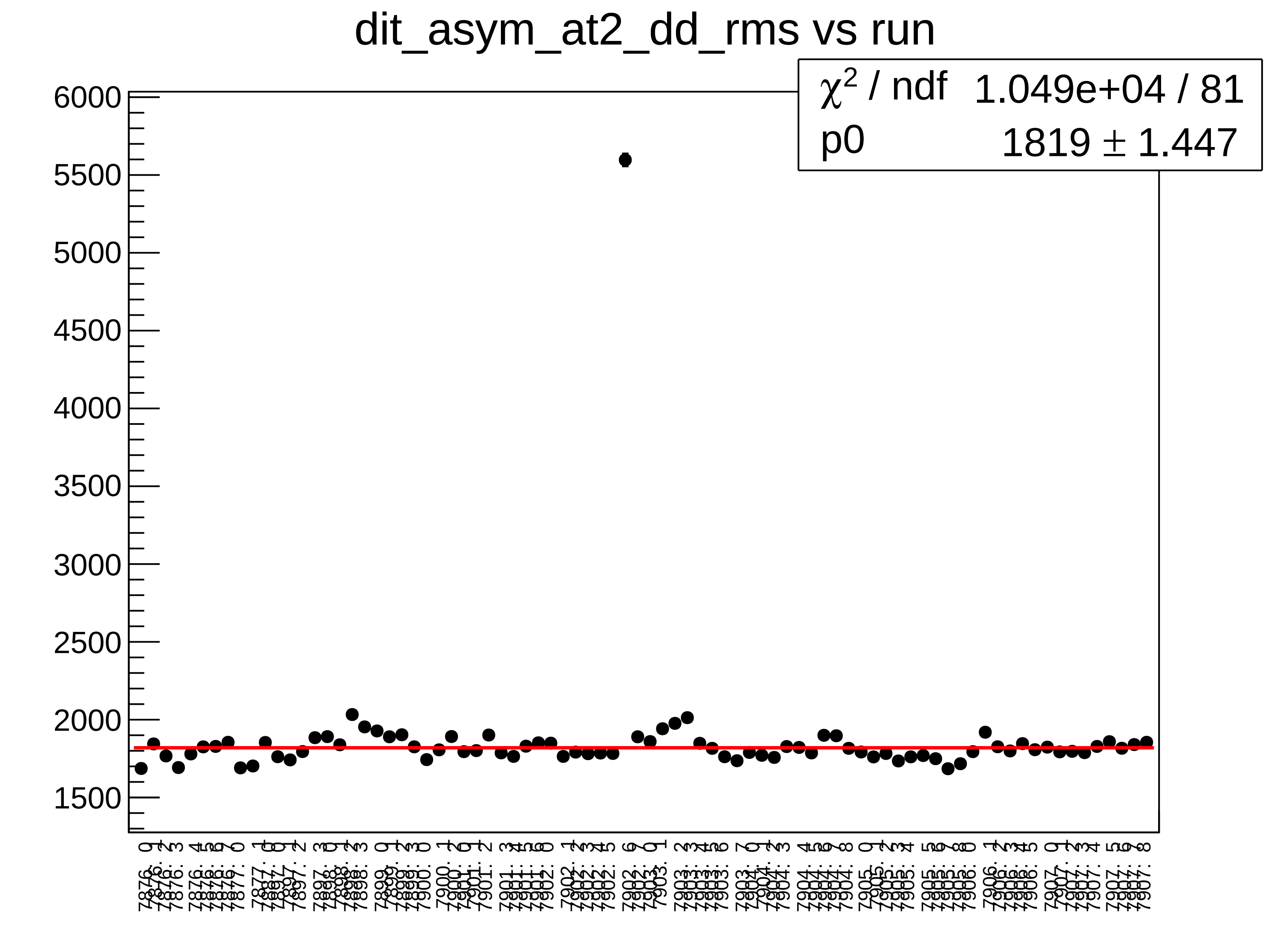


asym_at2_avg_mean vs run
×10^3
χ2 / ndf 72.39 / 81
p0 −1.932e+04 ± 1.481e+04
400
200
0
−200
−400
pull
Entries 82
Mean −23.03
Std Dev 69.47
pull1D
Entries 82
Mean −0.01403
Std Dev 0.9395

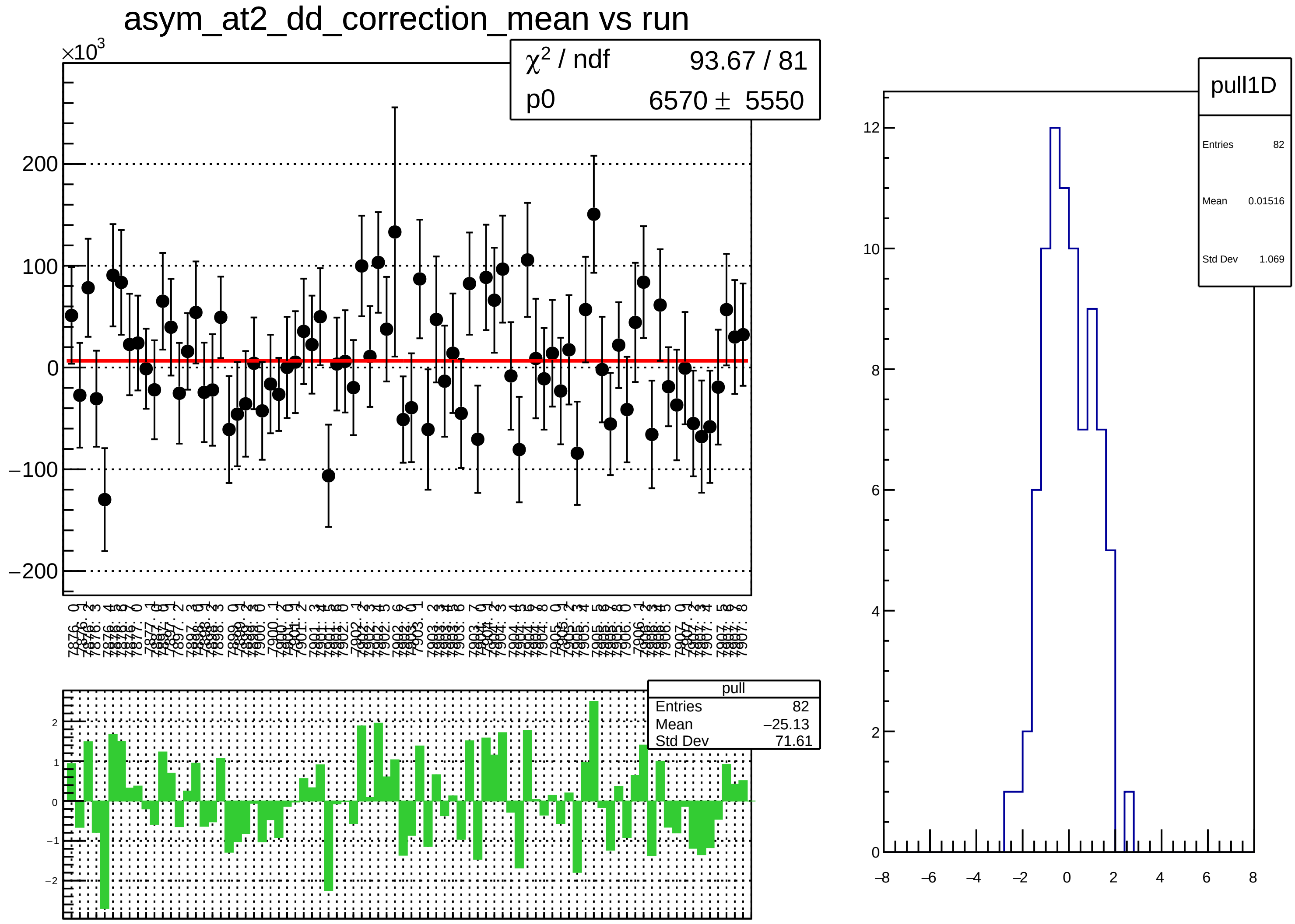
asym_at2_avg_rms vs run



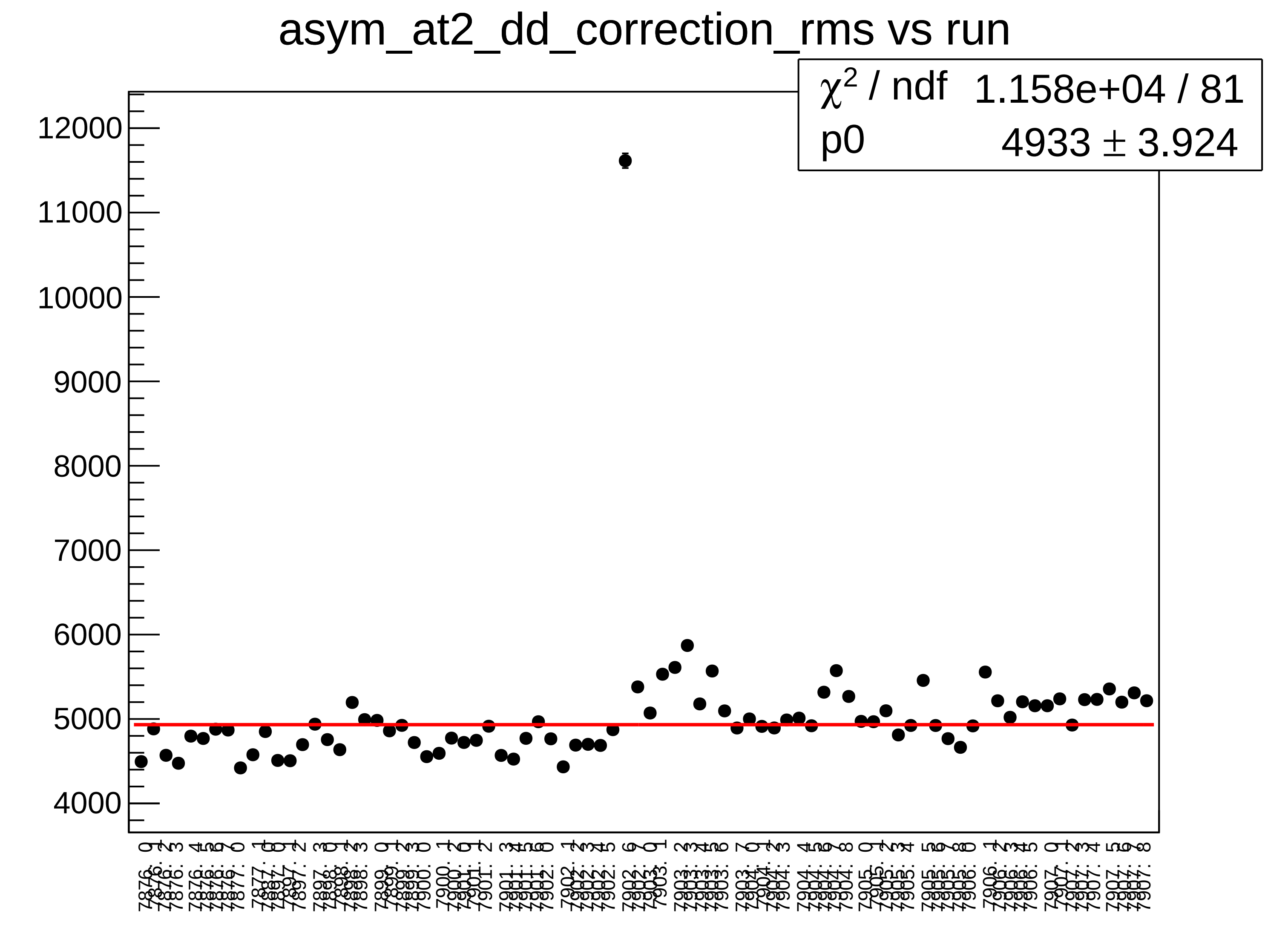

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 82.16 / 81
p0 690.1 ± 2046
pull
Entries 82
Mean −108.9
Std Dev 146.3
pull1D
Entries 82
Mean 0.01435
Std Dev 1.001



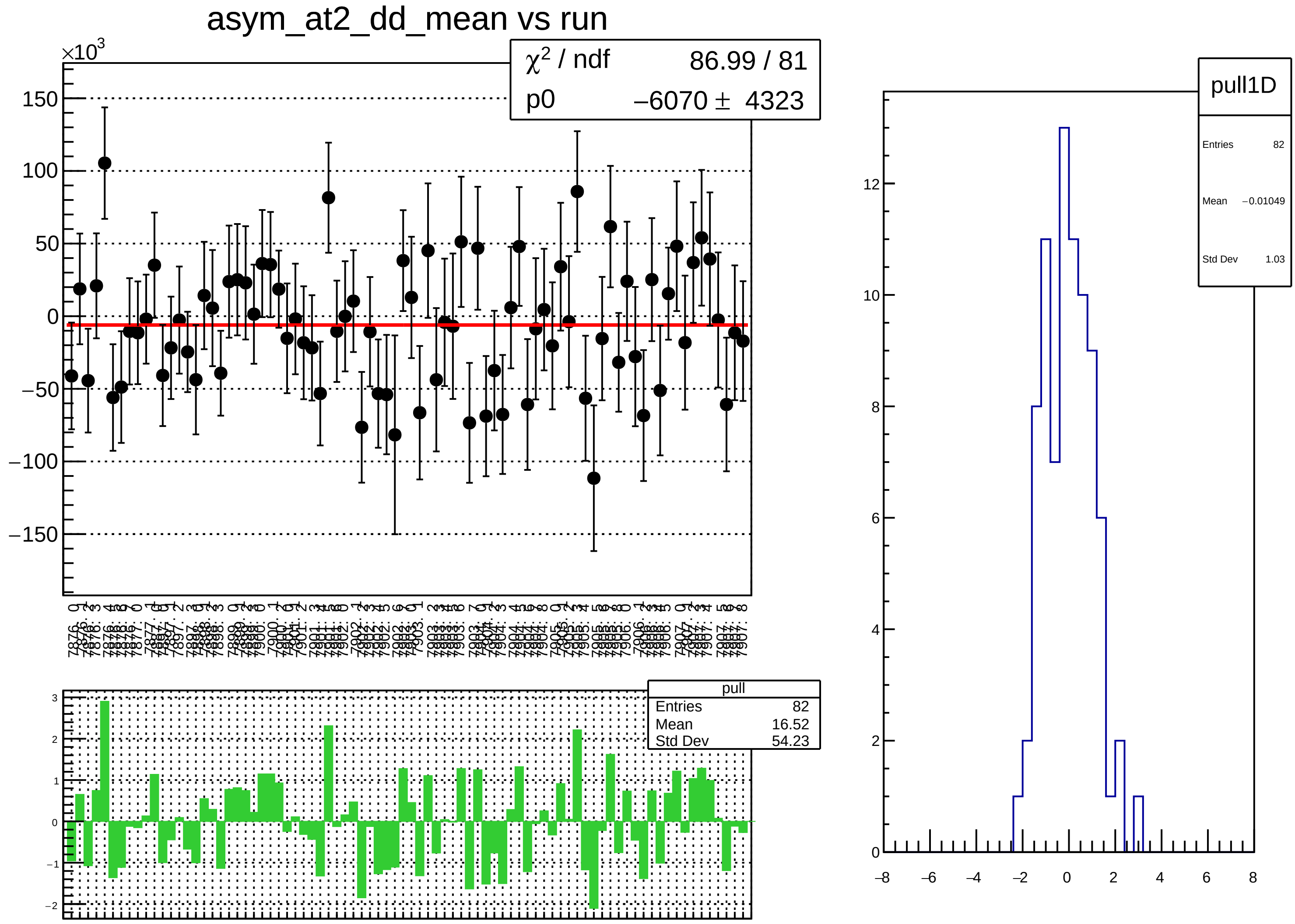
dit_asym_at2_dd_rms vs run
χ^2 / ndf 1.049e+04 / 81
p0 1819 ± 1.447
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



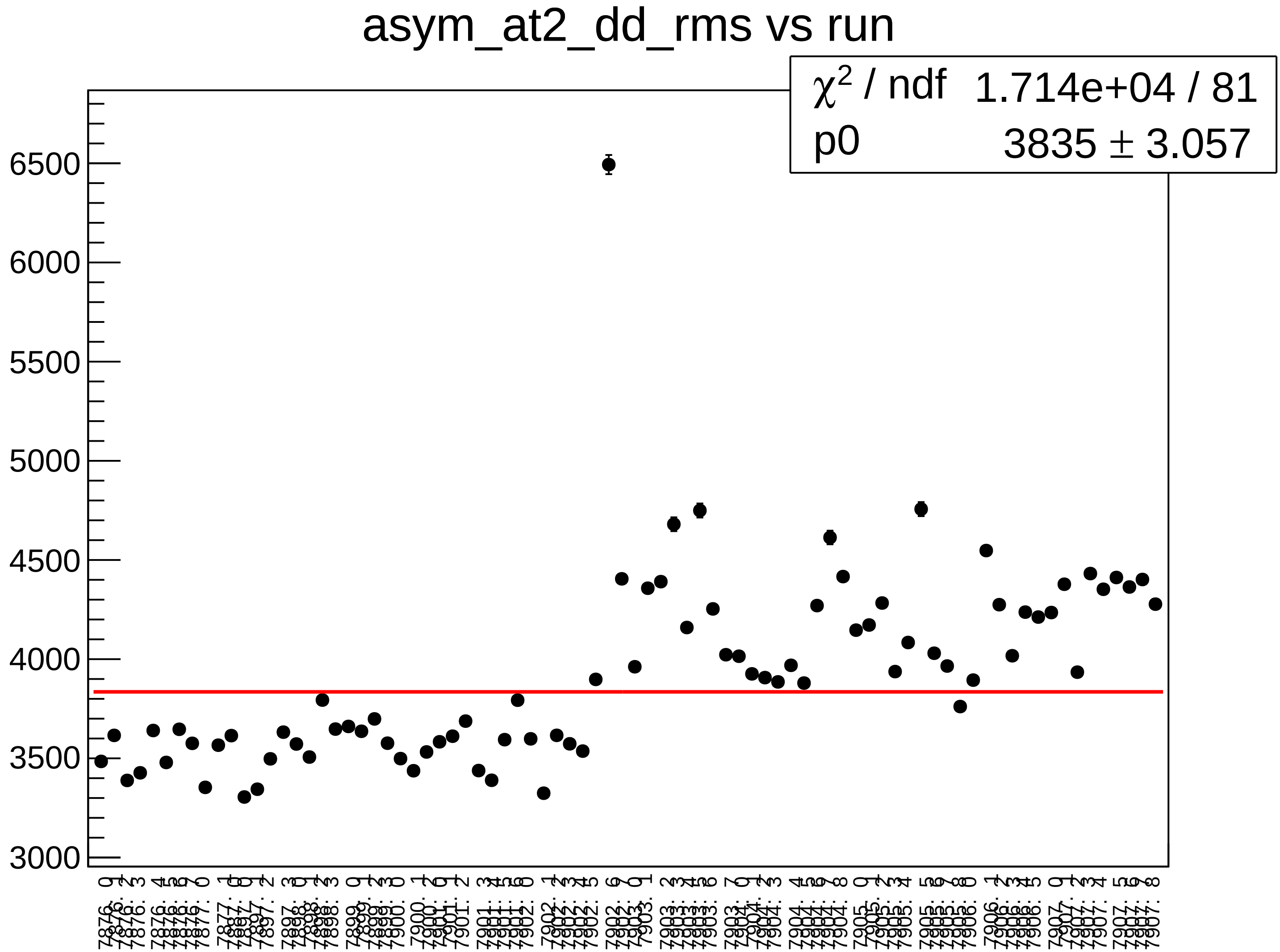
asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 93.67 / 81
p0 6570 ± 5550
200
100
0
−100
−200
pull
Entries 82
Mean −25.13
Std Dev 71.61
pull1D
Entries 82
Mean 0.01516
Std Dev 1.069

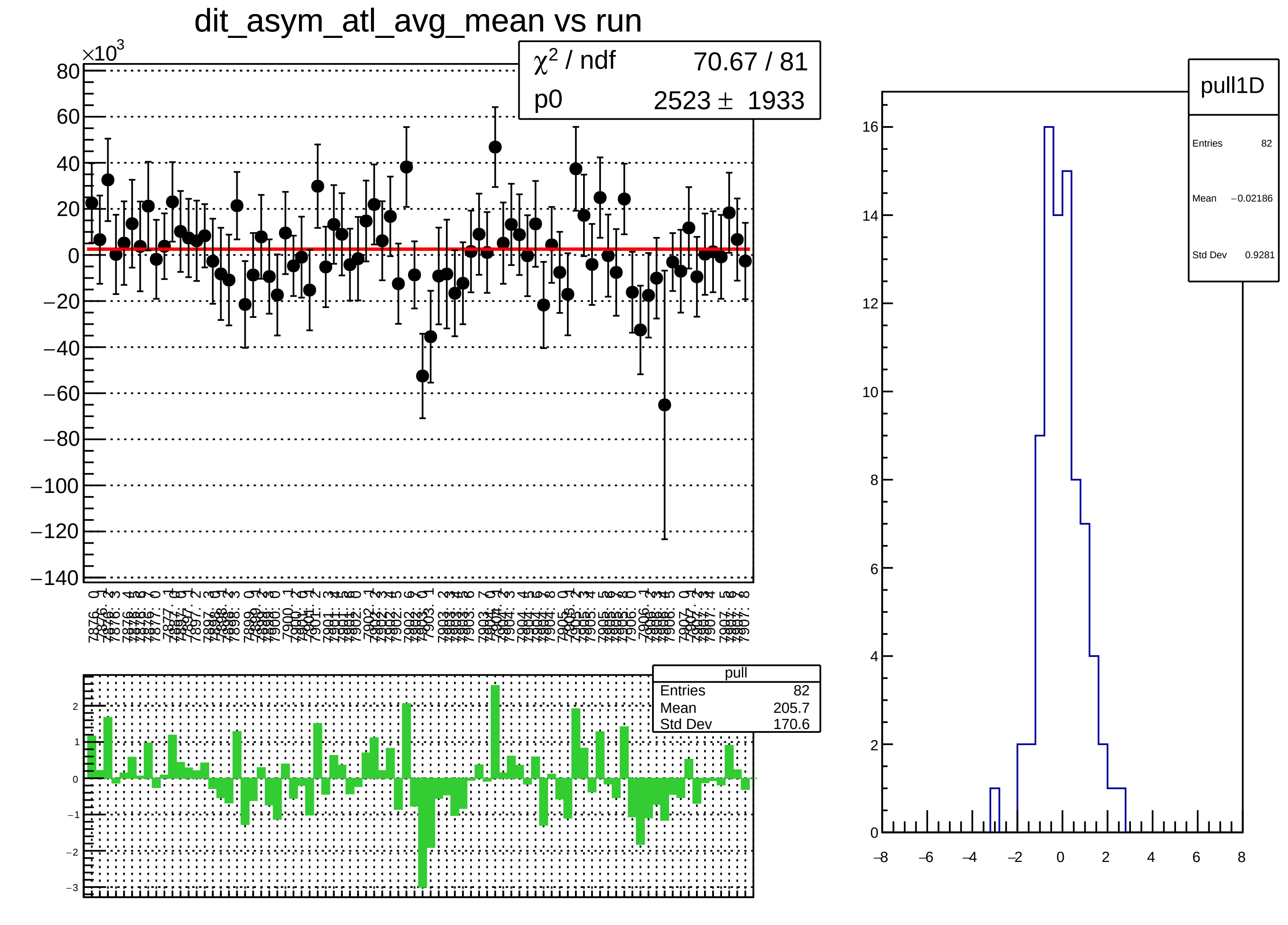


asym_at2_dd_correction_rms vs run
χ² / ndf 1.158e+04 / 81
p0 4933 ± 3.924
12000
11000
10000
9000
8000
7000
6000
5000
4000

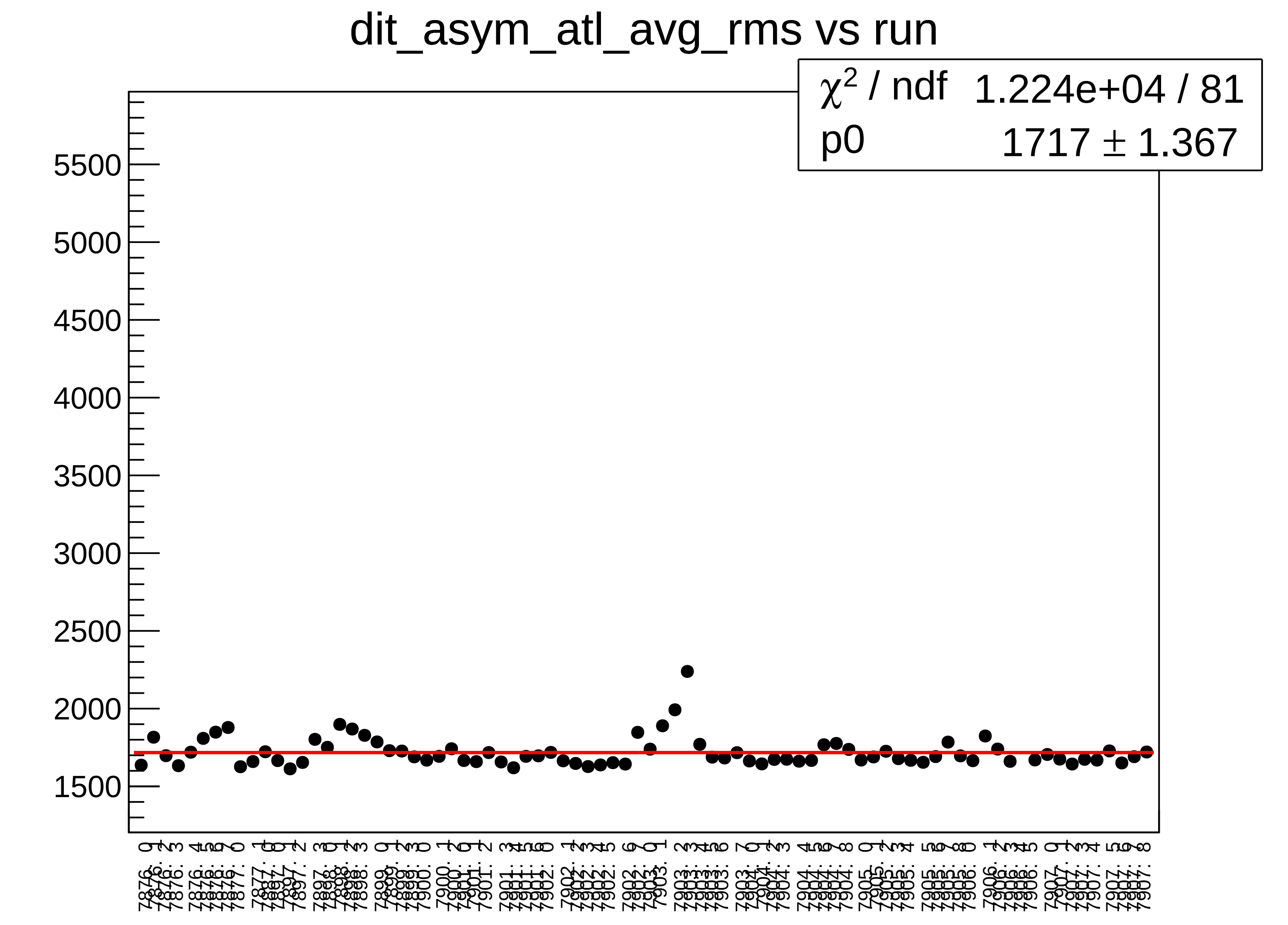


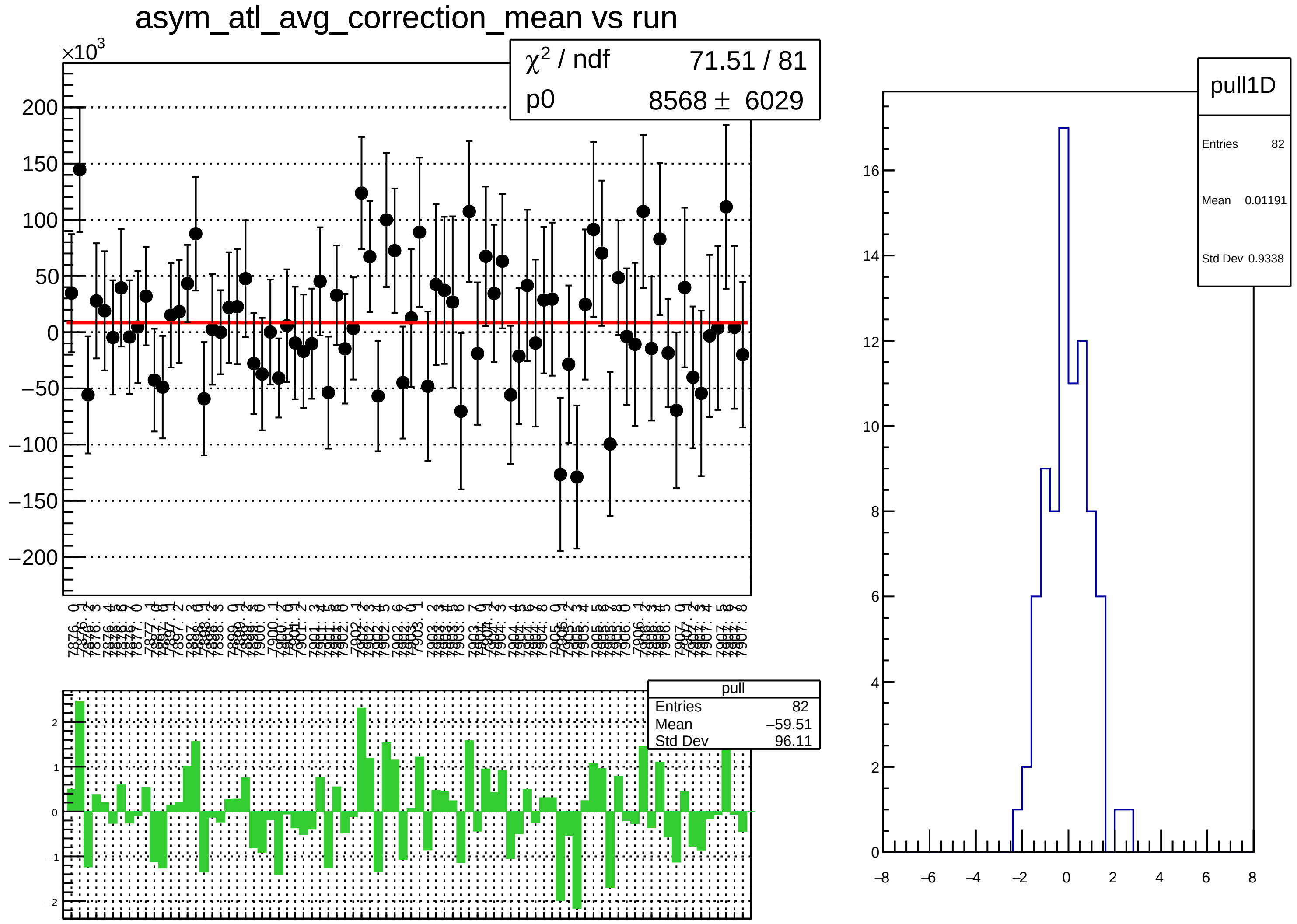
asym_at2_dd_mean vs run
×10^3
χ2 / ndf 86.99 / 81
p0 −6070 ± 4323
pull
Entries 82
Mean 16.52
Std Dev 54.23
pull1D
Entries 82
Mean −0.01049
Std Dev 1.03

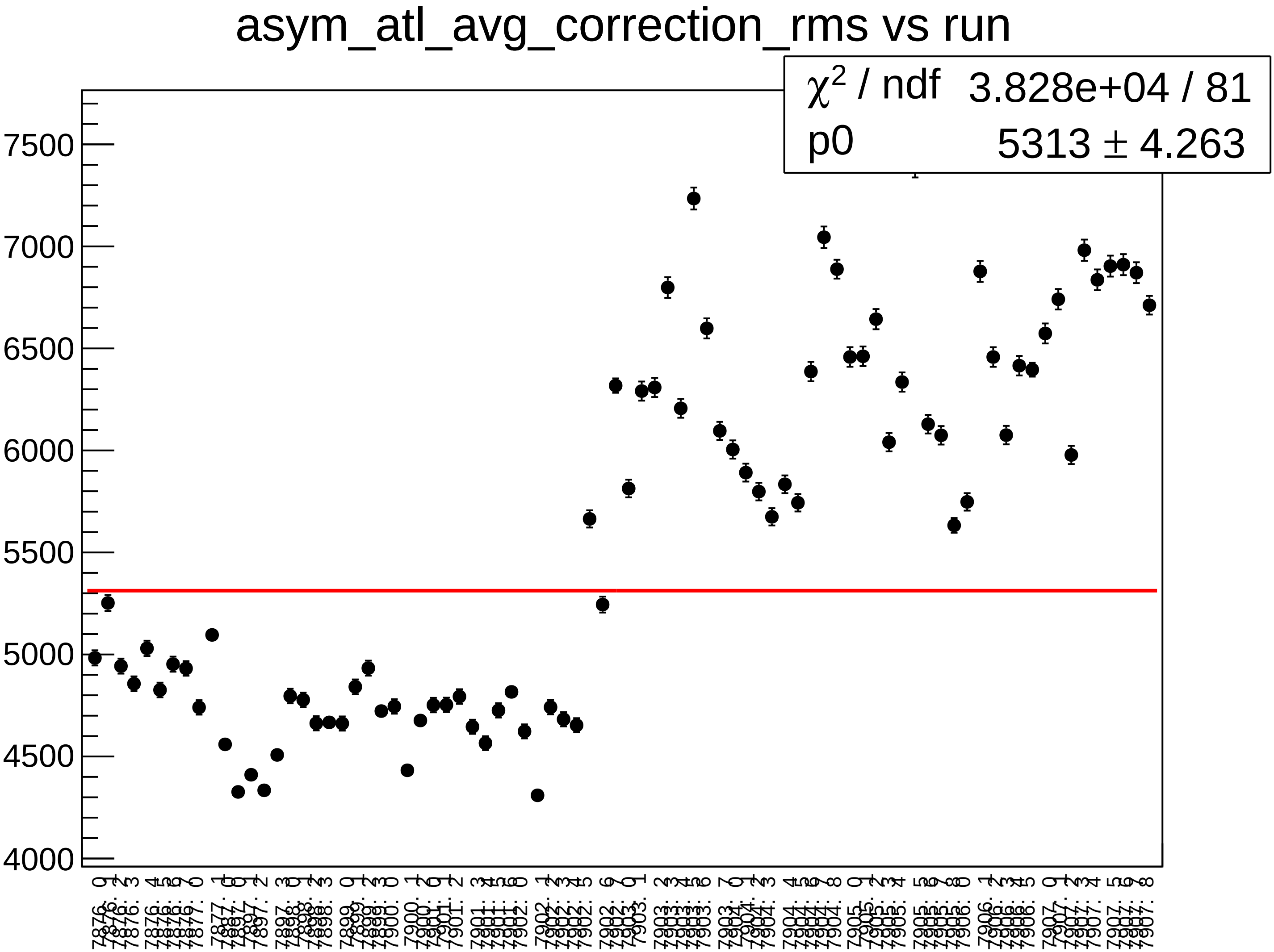

asym_at2_dd_rms vs run
χ^2 / ndf 1.714e+04 / 81
p0 3835 ± 3.057
6500
6000
5500
5000
4500
4000
3500
3000

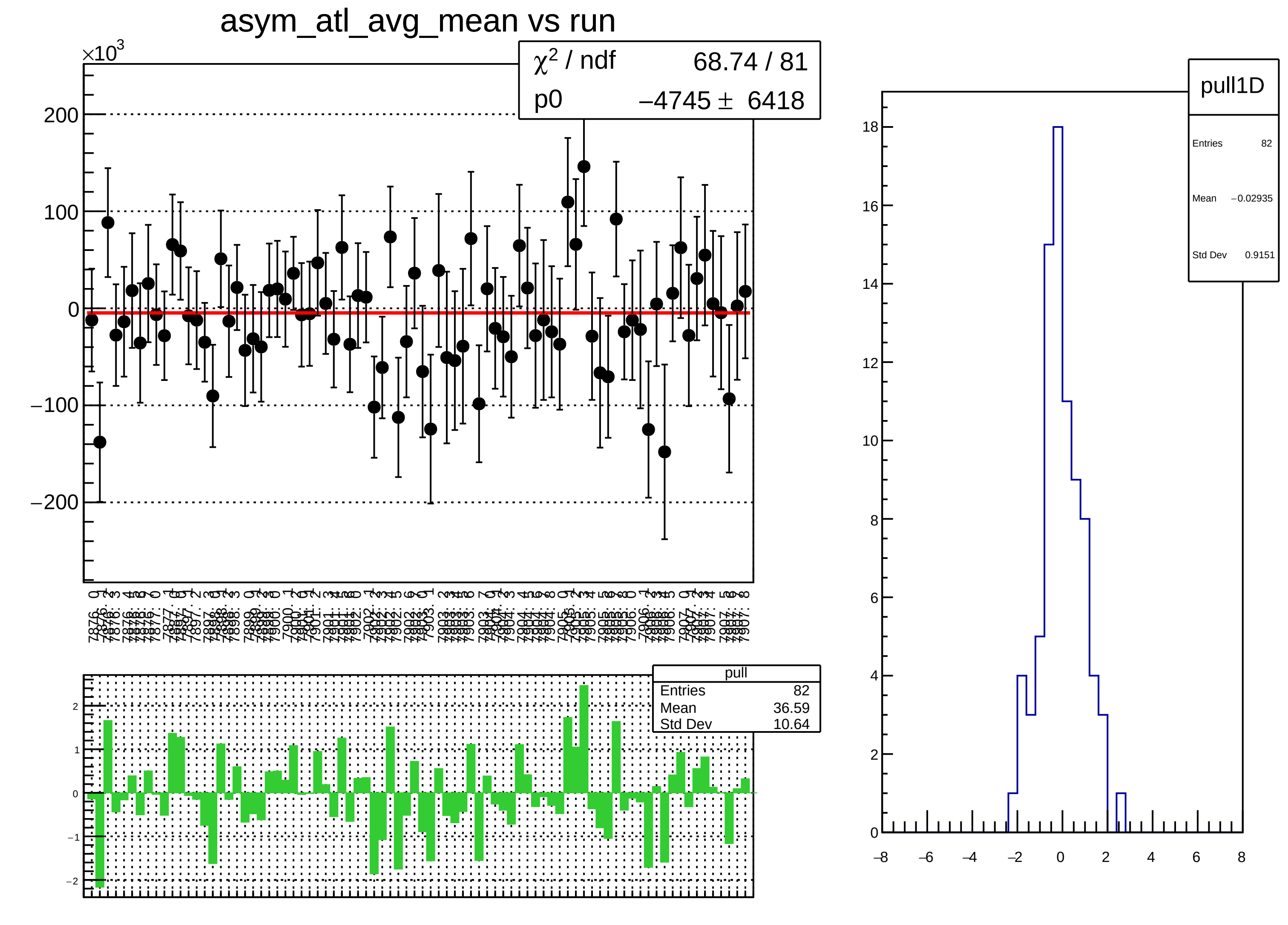


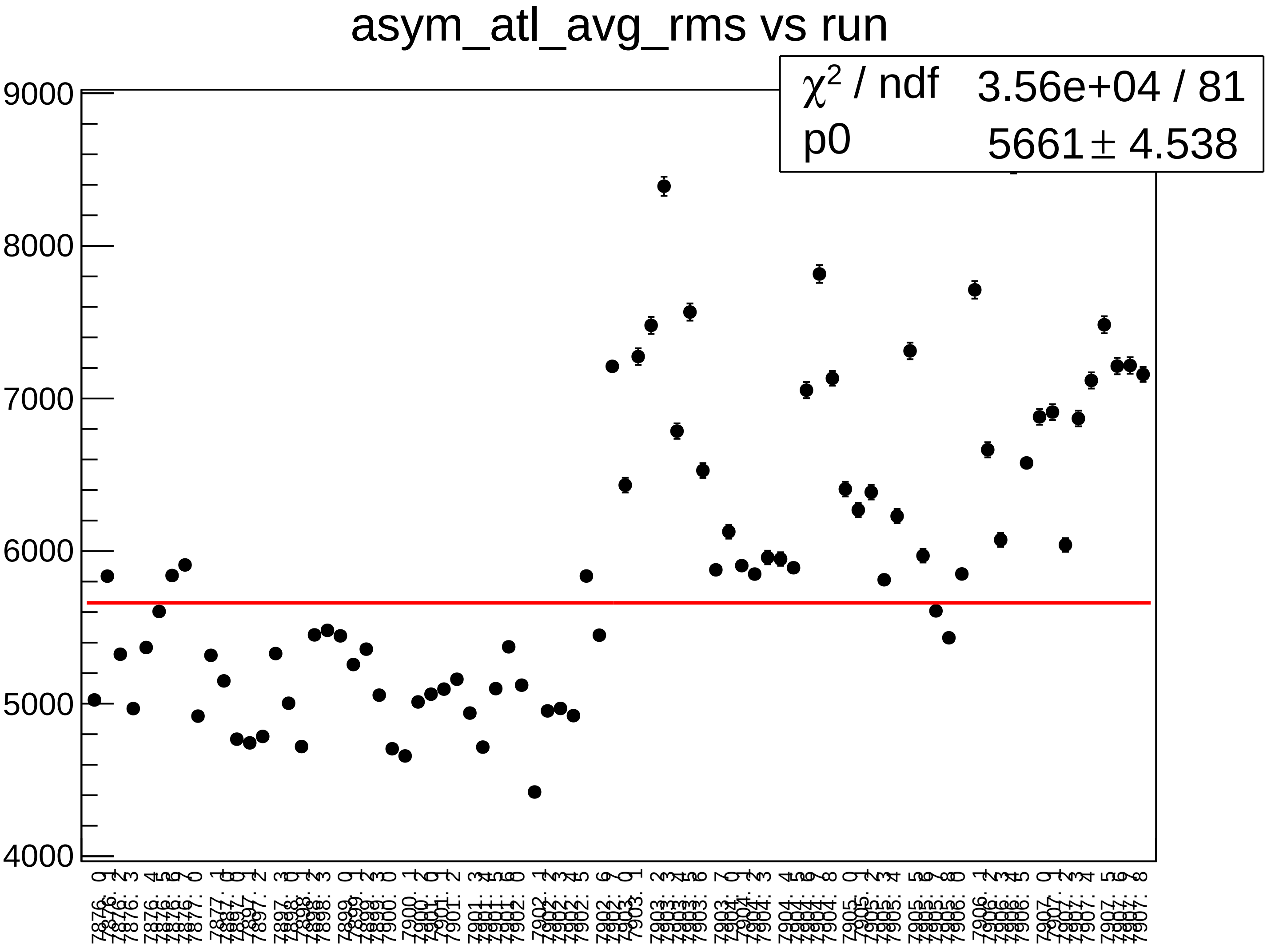
dit_asym_atl_avg_mean vs run
×10^3
χ2 / ndf 70.67 / 81
p0 2523 ± 1933
pull
Entries 82
Mean 205.7
Std Dev 170.6
pull1D
Entries 82
Mean −0.02186
Std Dev 0.9281

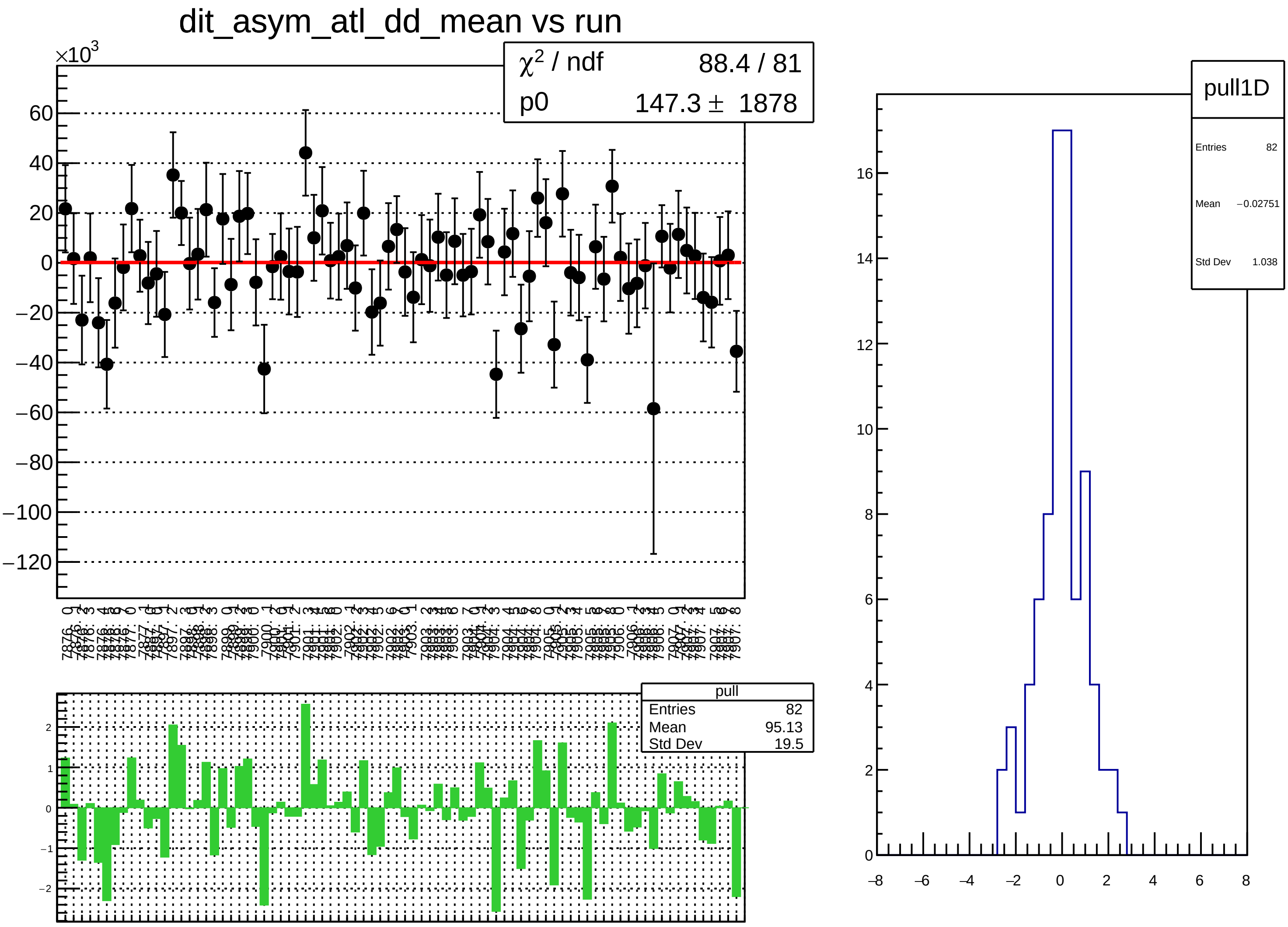

dit_asym_atl_avg_rms vs run
χ2 / ndf 1.224e+04 / 81
p0 1717 ± 1.367
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl_avg_correction_mean vs run
χ^2 / ndf 71.51 / 81
p0 8568 ± 6029
×10^3
pull
Entries 82
Mean −59.51
Std Dev 96.11
pull1D
Entries 82
Mean 0.01191
Std Dev 0.9338

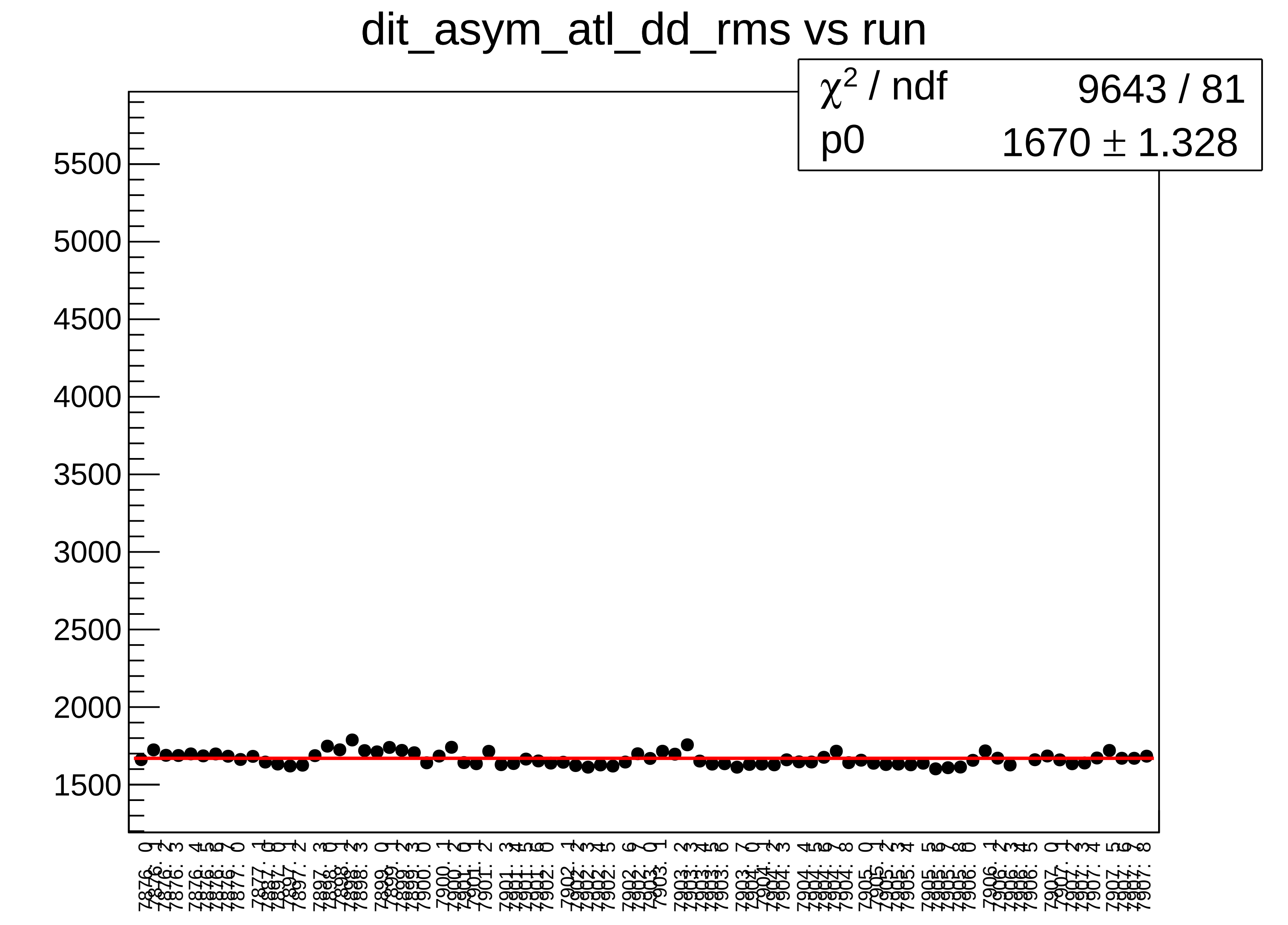

asym_atl_avg_correction_rms vs run
χ2 / ndf 3.828e+04 / 81
p0 5313 ± 4.263
7500
7000
6500
6000
5500
5000
4500
4000

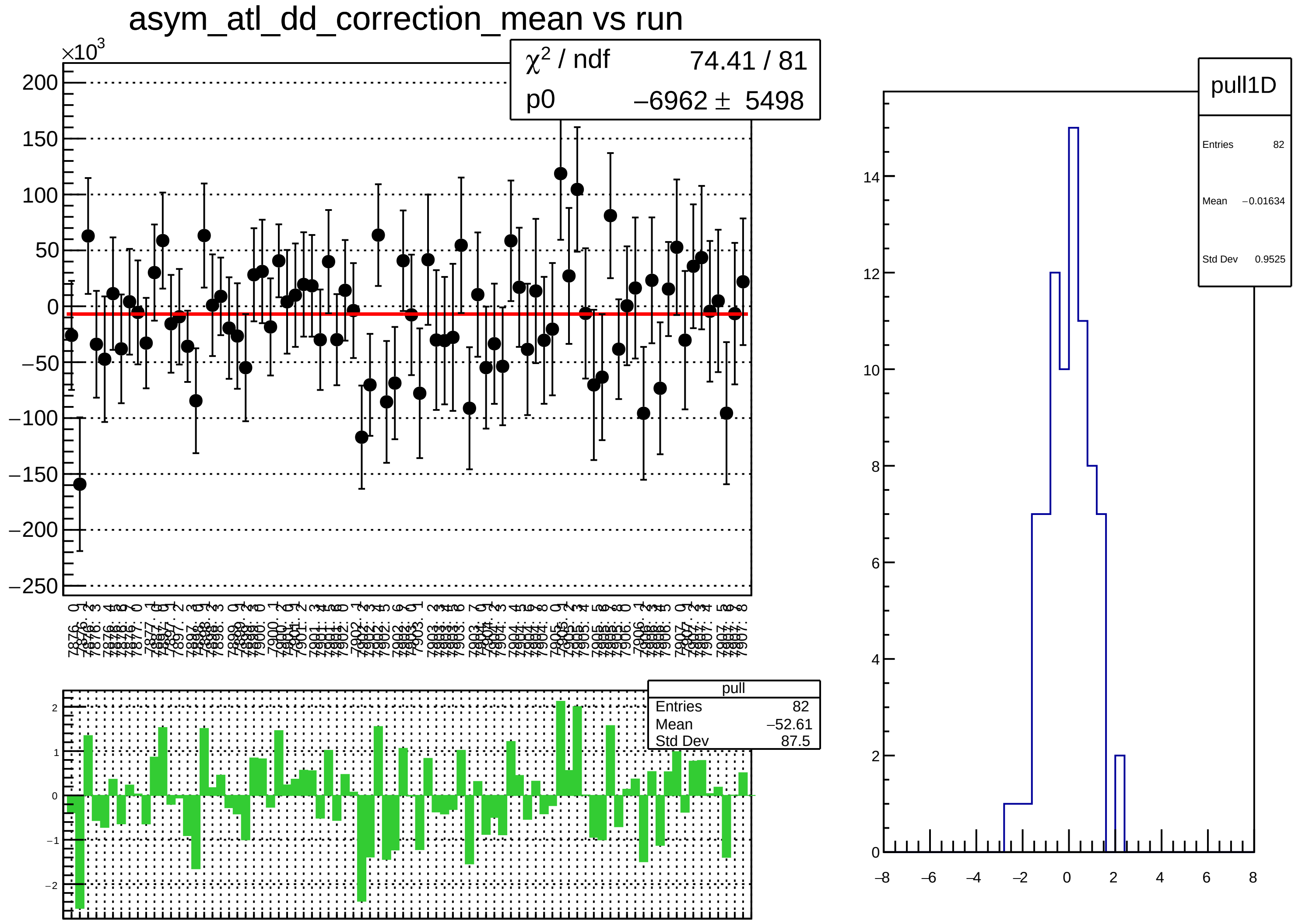

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 68.74 / 81
p0 −4745 ± 6418
200
100
0
−100
−200
pull
Entries 82
Mean 36.59
Std Dev 10.64
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.02935
Std Dev 0.9151
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

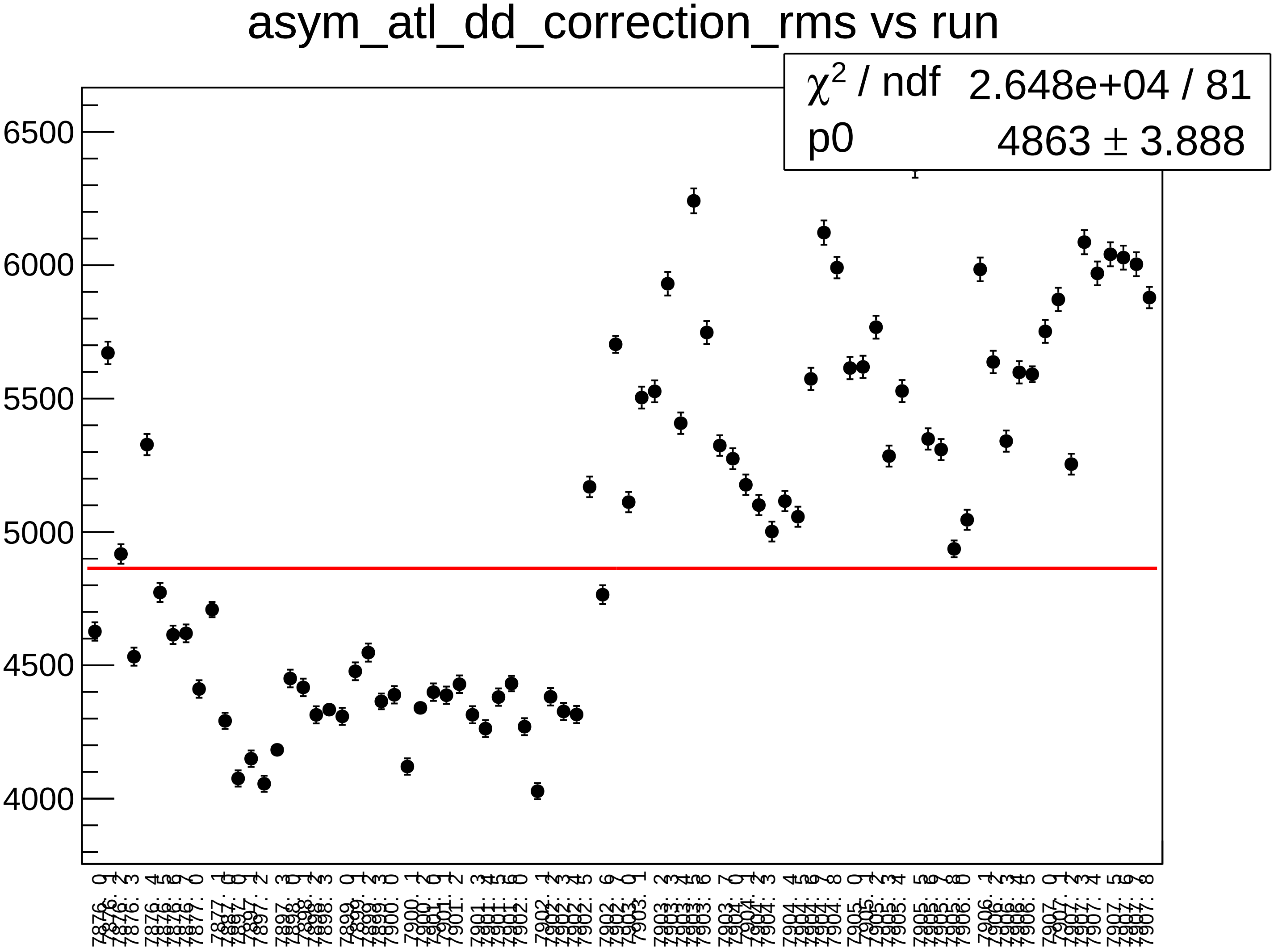

asym_atl_avg_rms vs run
χ^2 / ndf 3.56e+04 / 81
p0 5661 ± 4.538
9000
8000
7000
6000
5000
4000



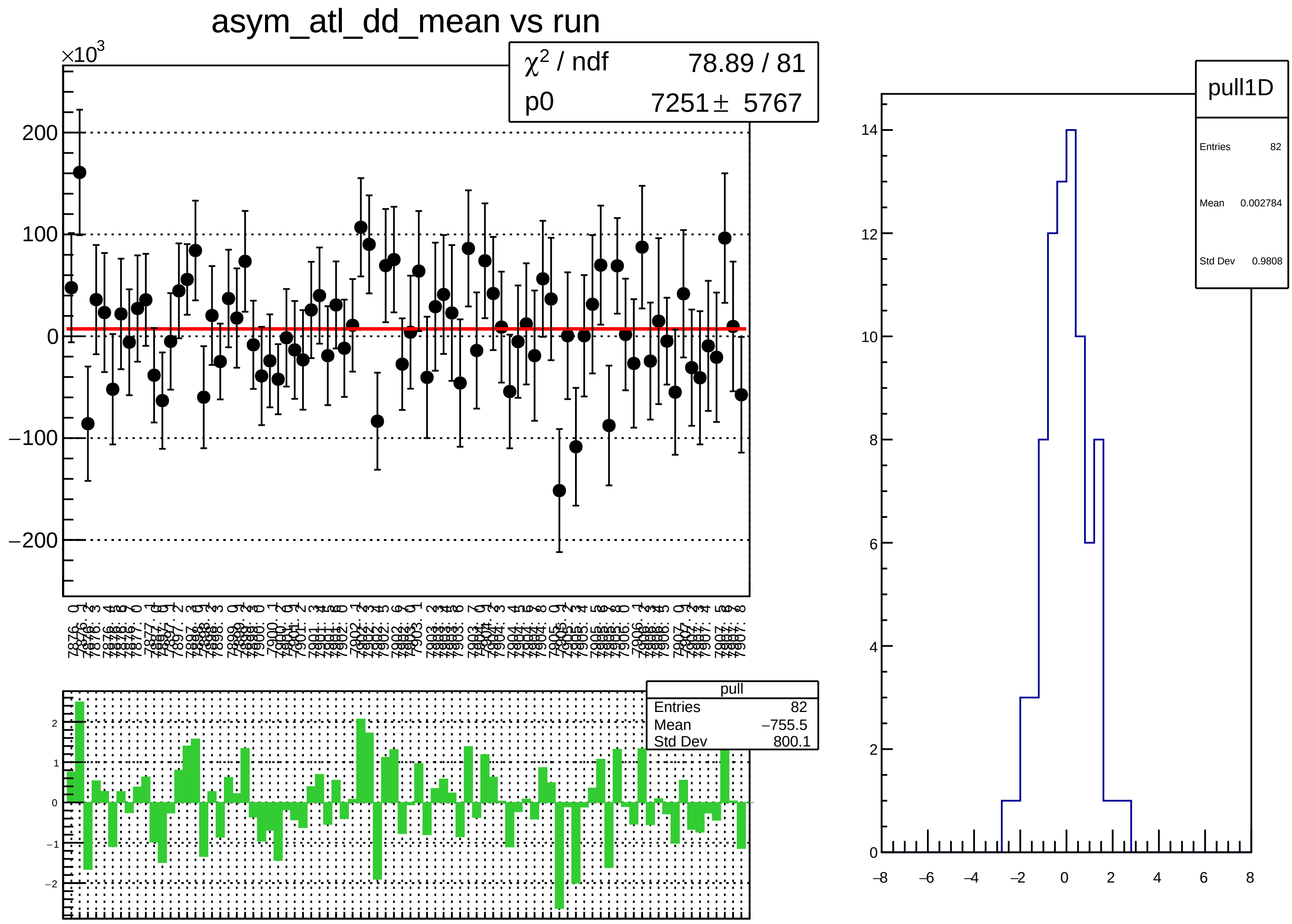
dit_asym_atl_dd_mean vs run
$\times10^3$
χ^2 / ndf 88.4 / 81
p0 147.3 ± 1878
pull
Entries 82
Mean 95.13
Std Dev 19.5
pull1D
Entries 82
Mean −0.02751
Std Dev 1.038

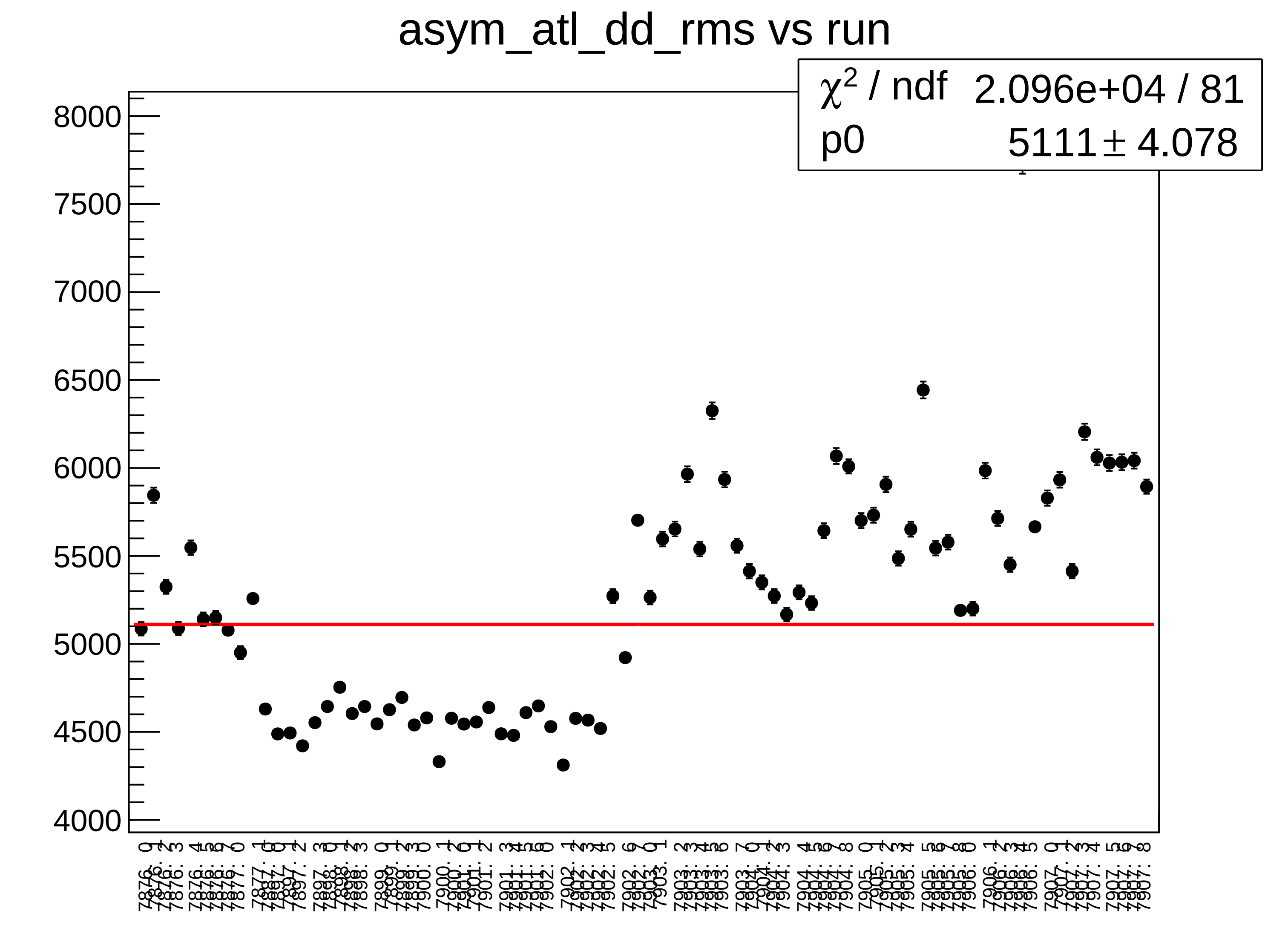

dit_asym_atl_dd_rms vs run
χ2 / ndf 9643 / 81
p0 1670 ± 1.328
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 74.41 / 81
p0 −6962 ± 5498
pull
Entries 82
Mean −52.61
Std Dev 87.5
pull1D
Entries 82
Mean −0.01634
Std Dev 0.9525

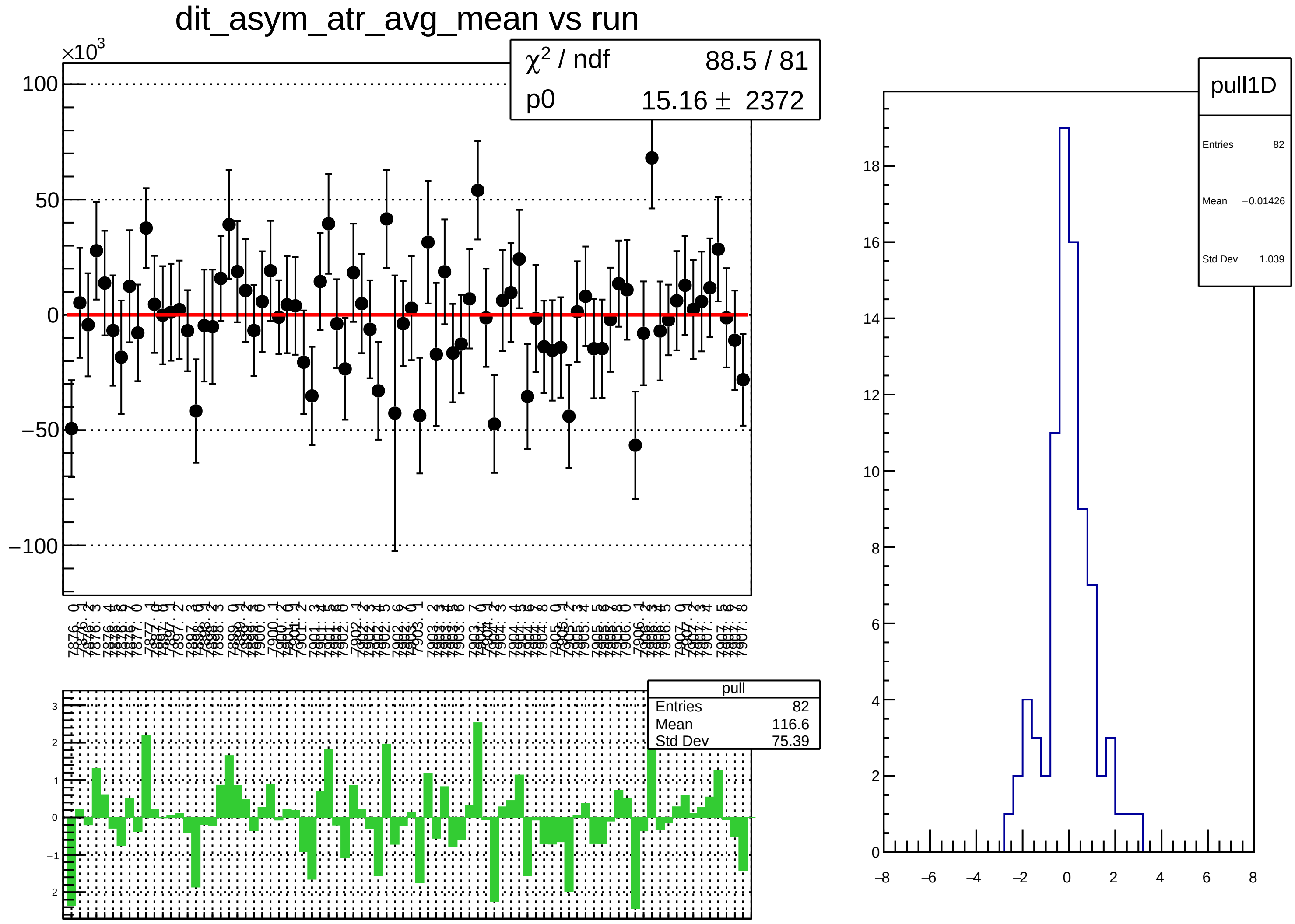


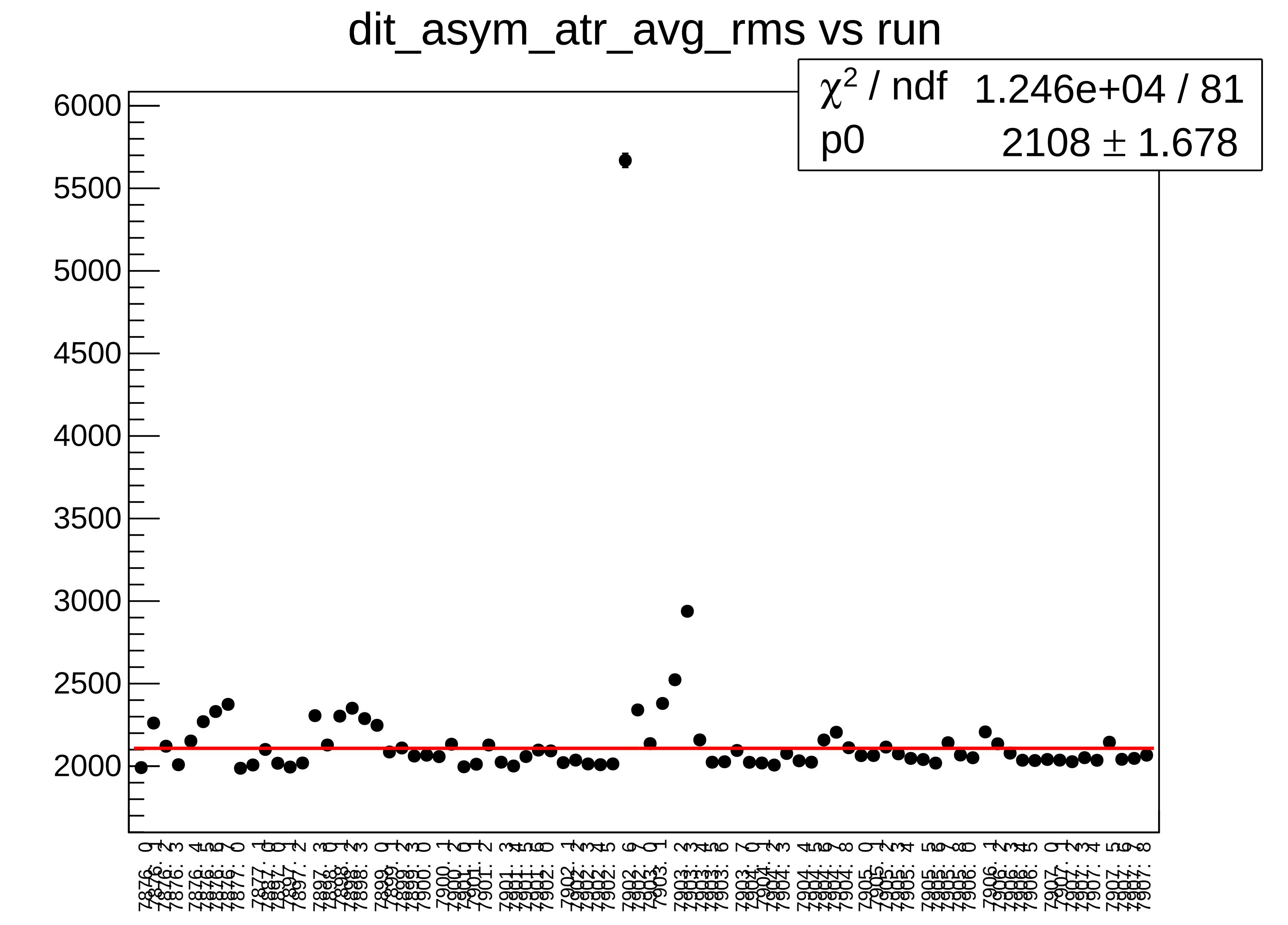
asym_atl_dd_correction_rms vs run
χ^2 / ndf 2.648e+04 / 81
p0 4863 ± 3.888
6500
6000
5500
5000
4500
4000


asym_atl_dd_mean vs run
×10^3
χ^2 / 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

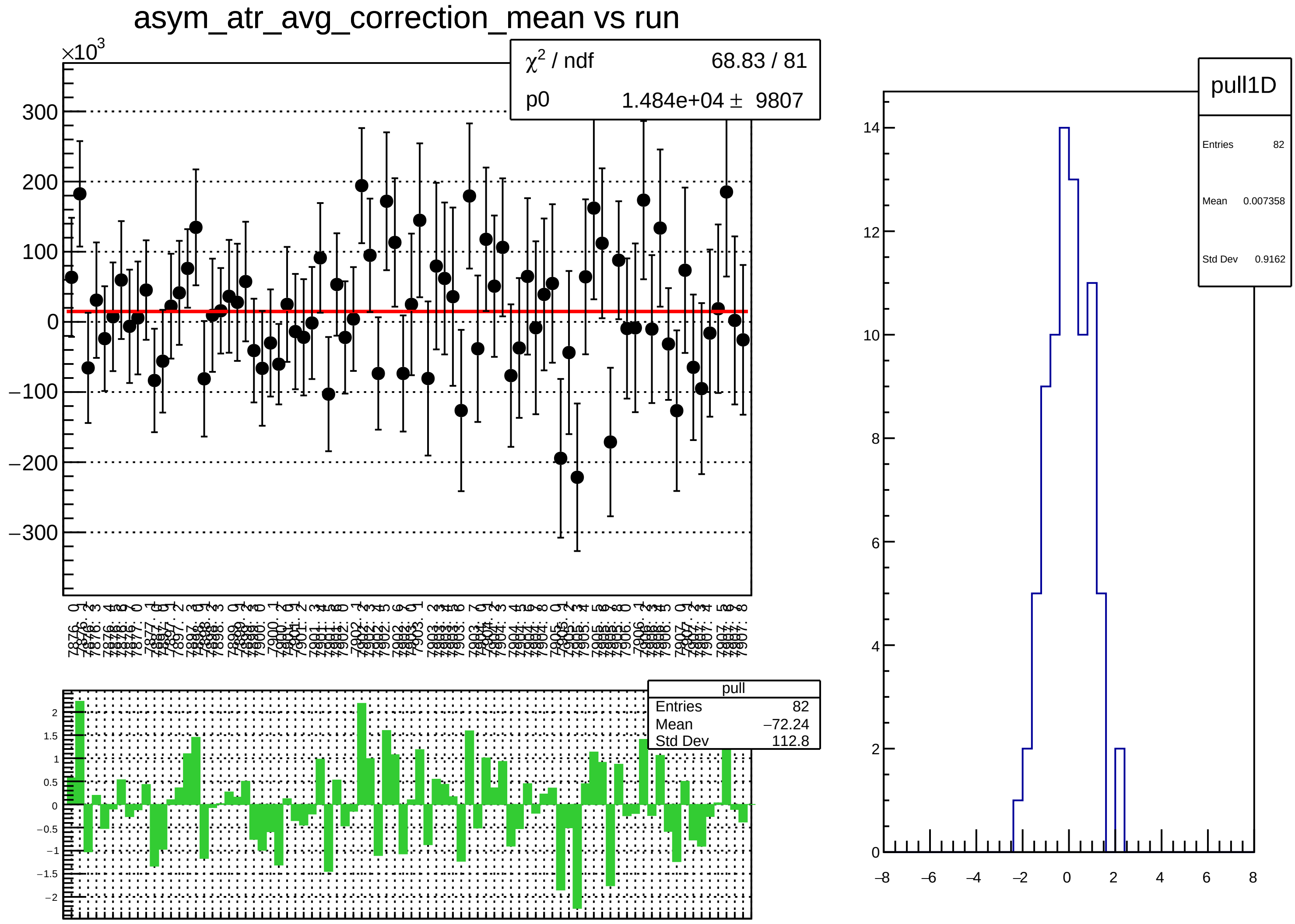


asym_atl_dd_rms vs run
χ^2 / ndf 2.096e+04 / 81
p0 5111 ± 4.078
8000
7500
7000
6500
6000
5500
5000
4500
4000

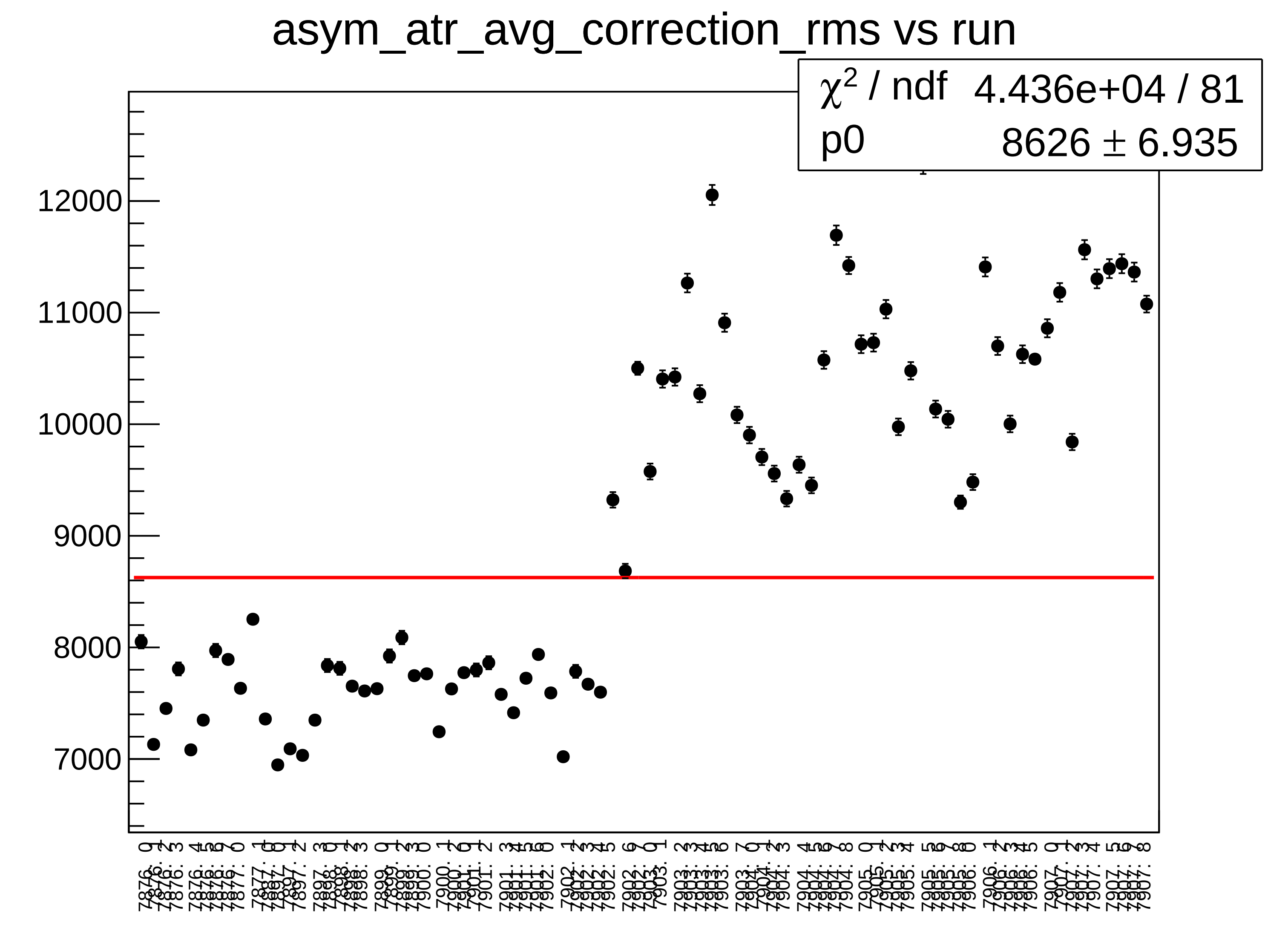

dit_asym_atr_avg_mean vs run
×10^3
χ2 / ndf 88.5 / 81
p0 15.16 ± 2372
100
50
0
−50
−100
pull
Entries 82
Mean 116.6
Std Dev 75.39
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01426
Std Dev 1.039
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

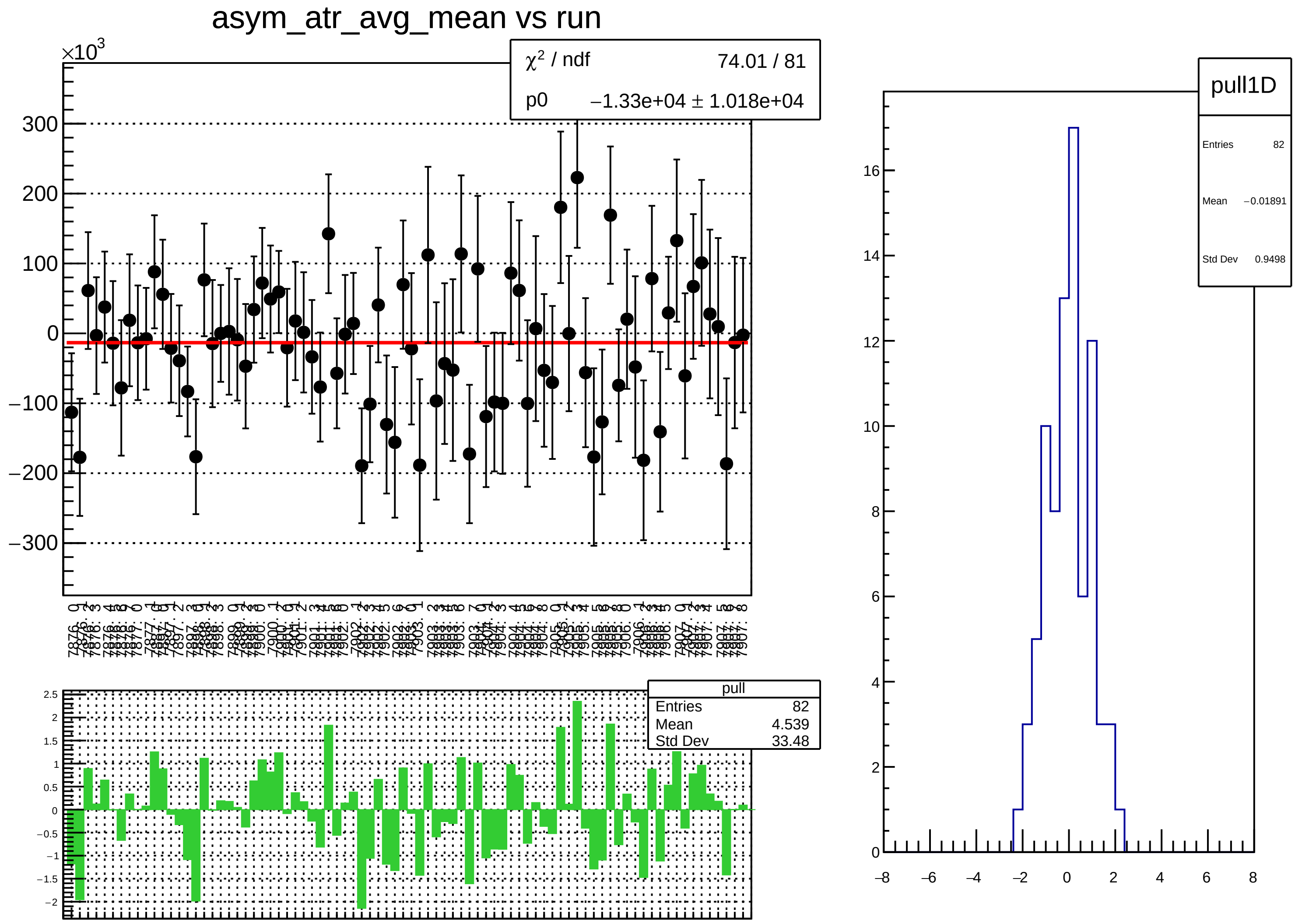


dit_asym_atr_avg_rms vs run
χ^2 / ndf 1.246e+04 / 81
p0 2108 ± 1.678
6000
5500
5000
4500
4000
3500
3000
2500
2000

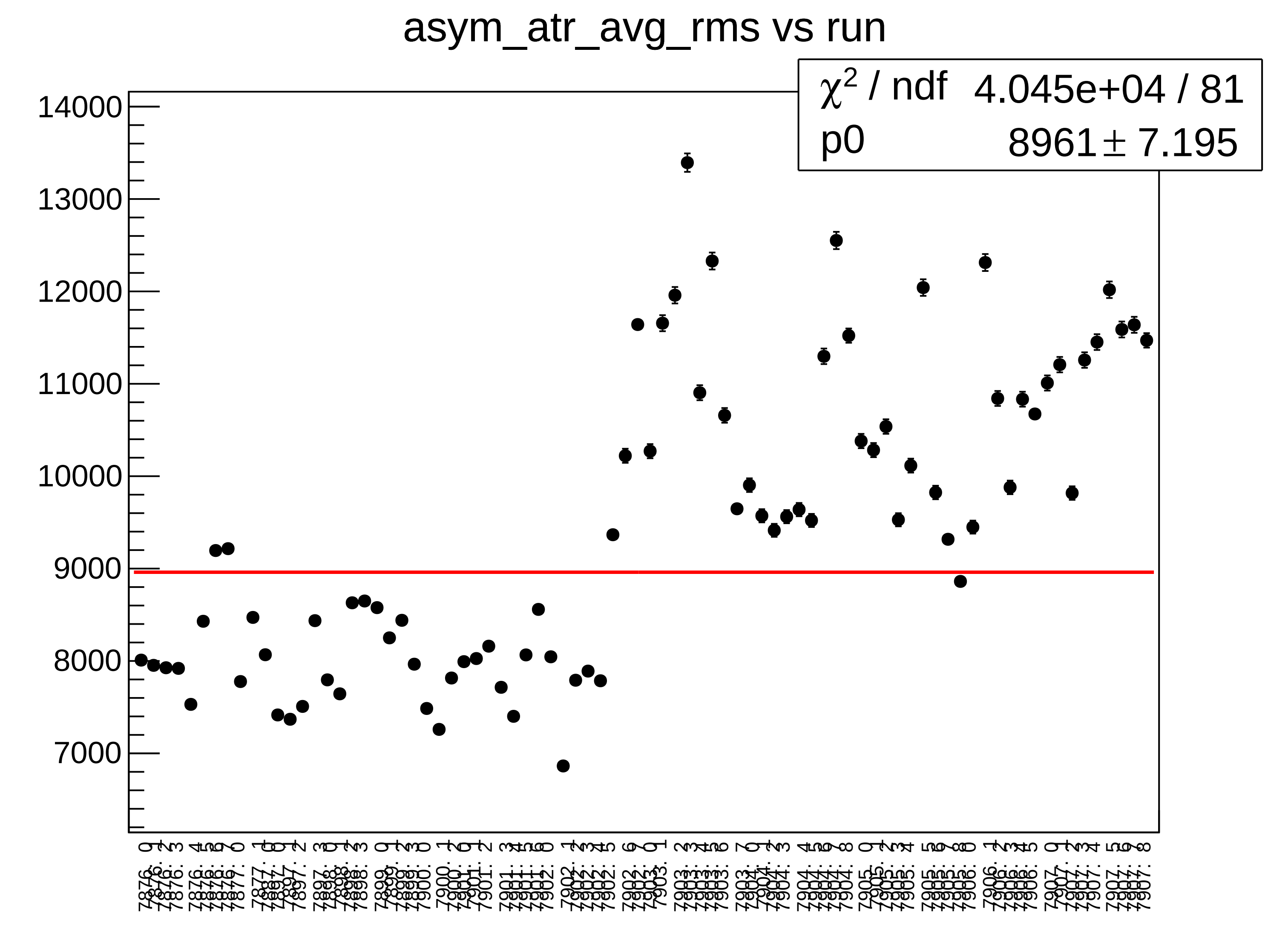


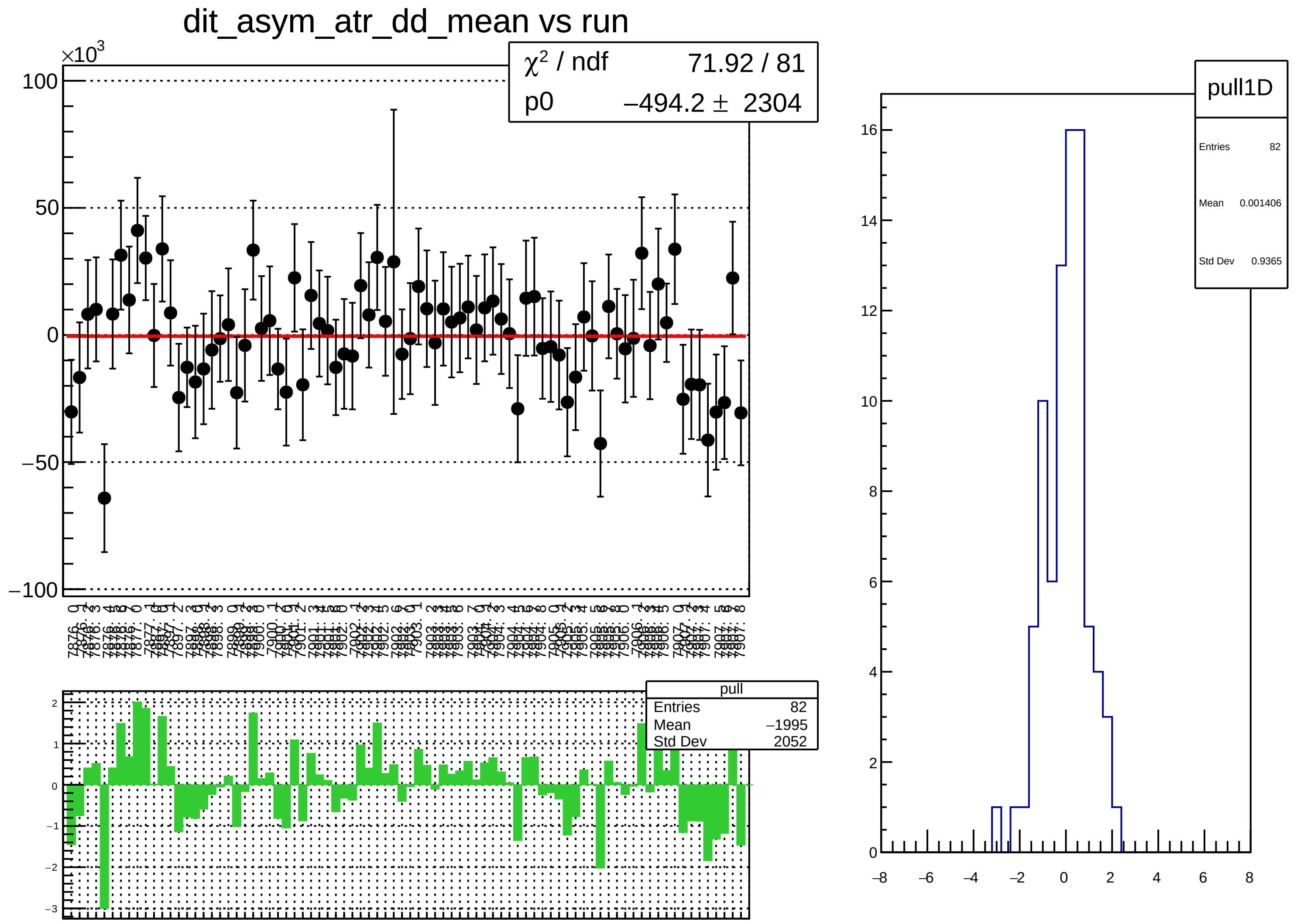
asym_atr_avg_correction_mean vs run
χ2 / ndf 68.83 / 81
p0 1.484e+04 ± 9807
pull
Entries 82
Mean −72.24
Std Dev 112.8
pull1D
Entries 82
Mean 0.007358
Std Dev 0.9162


asym_atr_avg_correction_rms vs run
χ2 / ndf 4.436e+04 / 81
p0 8626 ± 6.935
12000
11000
10000
9000
8000
7000

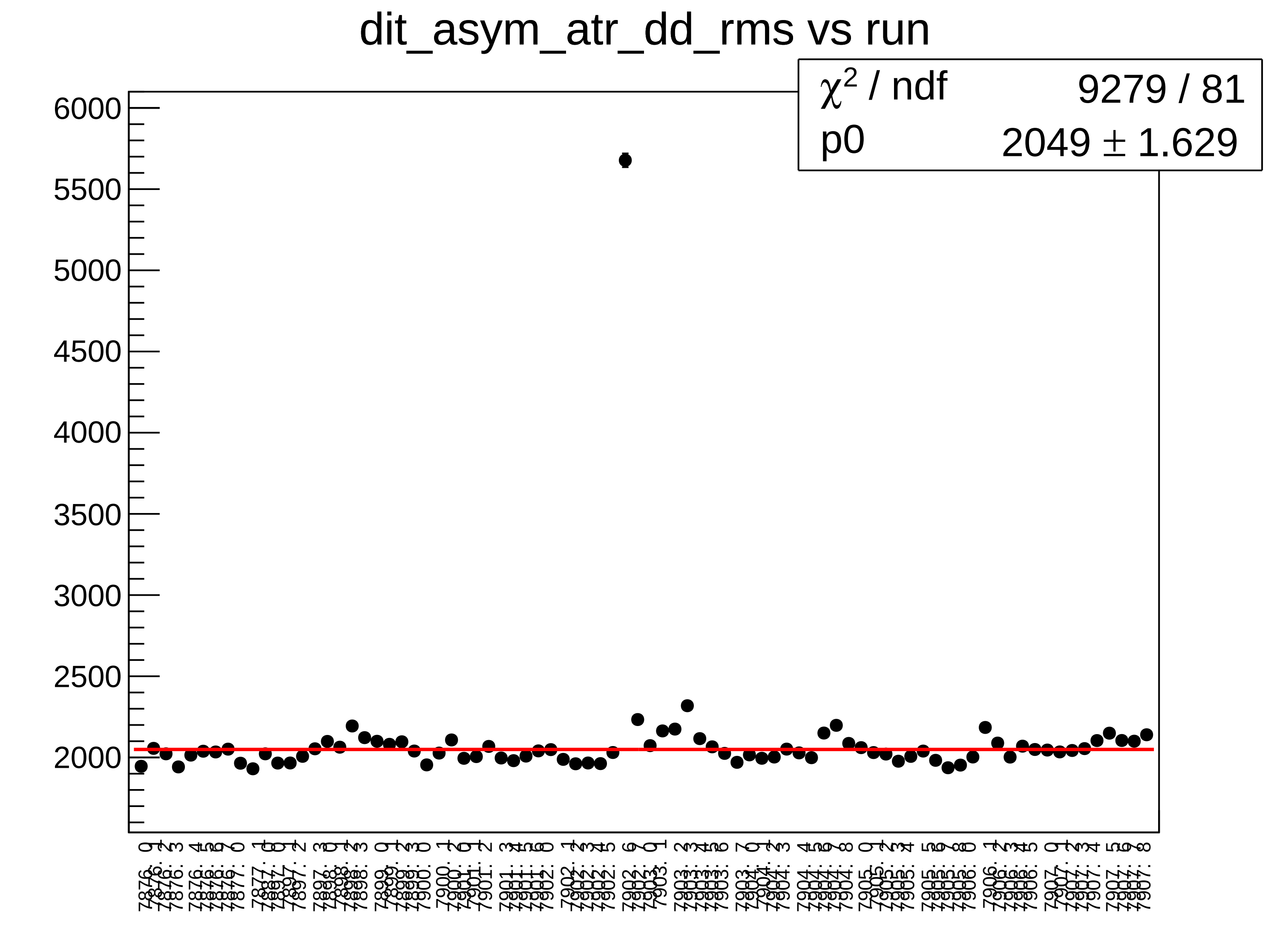


asym_atr_avg_mean vs run
×10^3
χ2 / ndf 74.01 / 81
p0 −1.33e+04 ± 1.018e+04
pull
Entries 82
Mean 4.539
Std Dev 33.48
pull1D
Entries 82
Mean −0.01891
Std Dev 0.9498

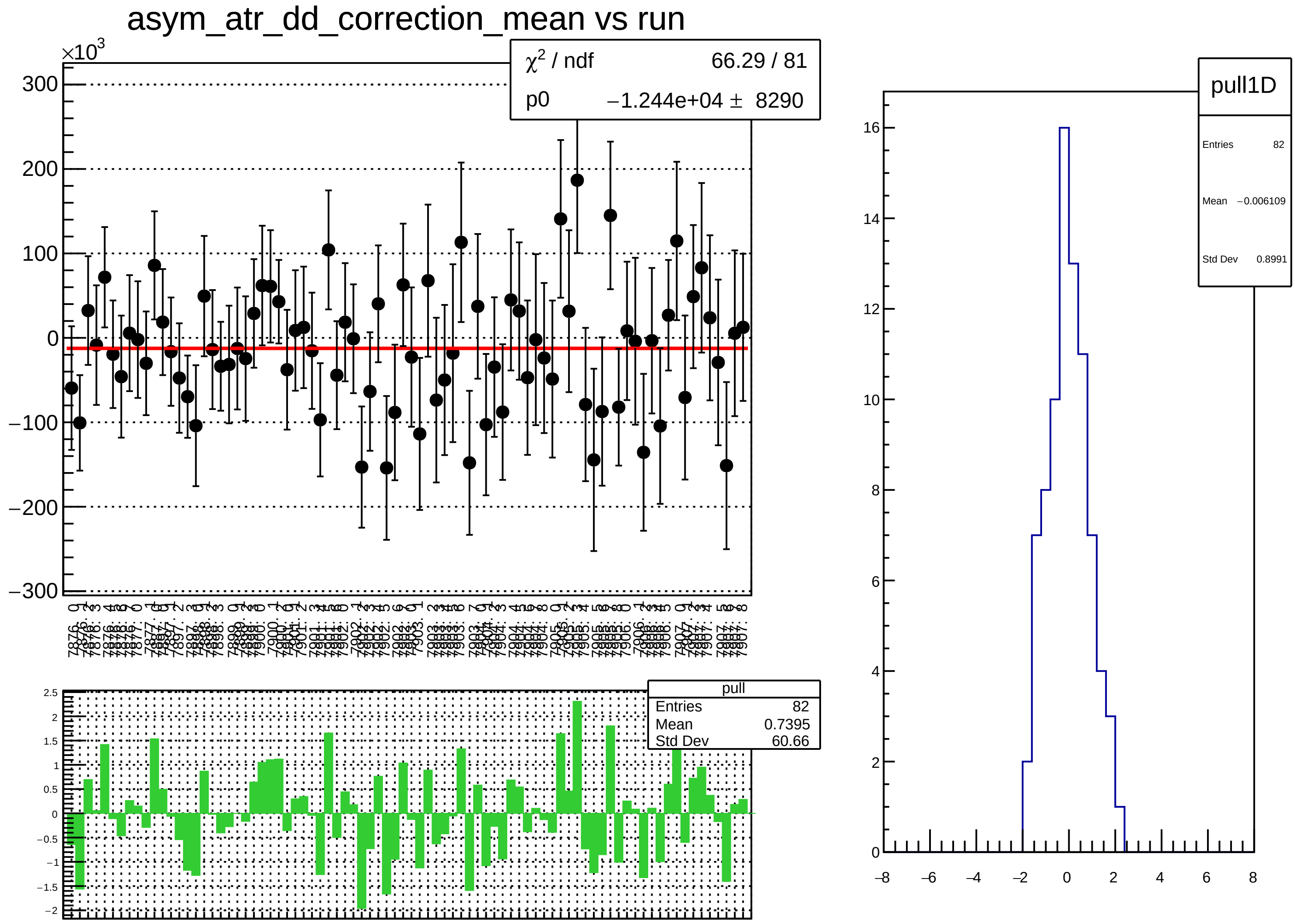

asym_atr_avg_rms vs run
χ^2 / ndf 4.045e+04 / 81
p0 8961 ± 7.195
14000
13000
12000
11000
10000
9000
8000
7000



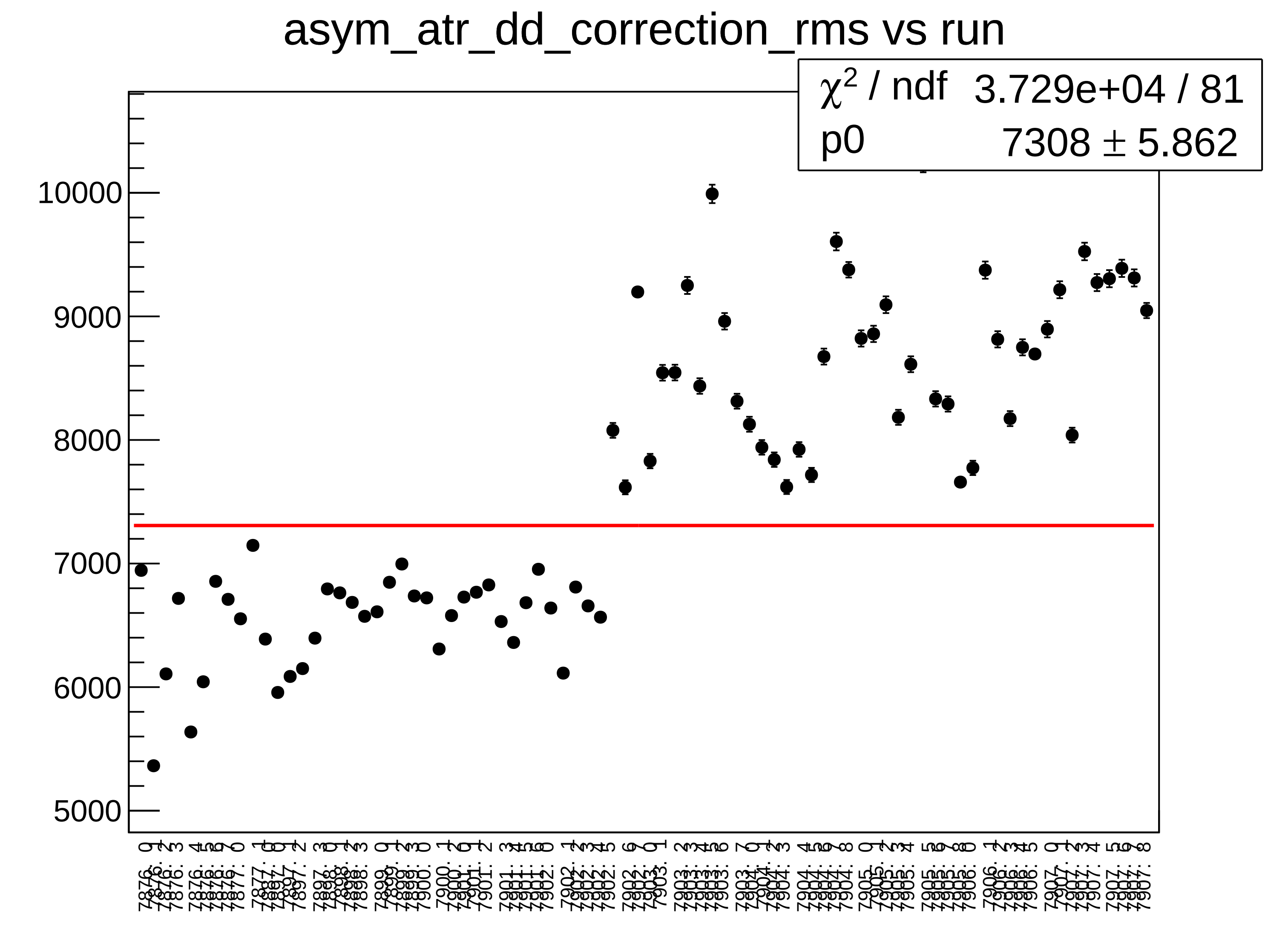
dit_asym_atr_dd_mean vs run
χ2 / ndf 71.92 / 81
p0 −494.2 ± 2304
×10³
pull
Entries 82
Mean −1995
Std Dev 2052
pull1D
Entries 82
Mean 0.001406
Std Dev 0.9365

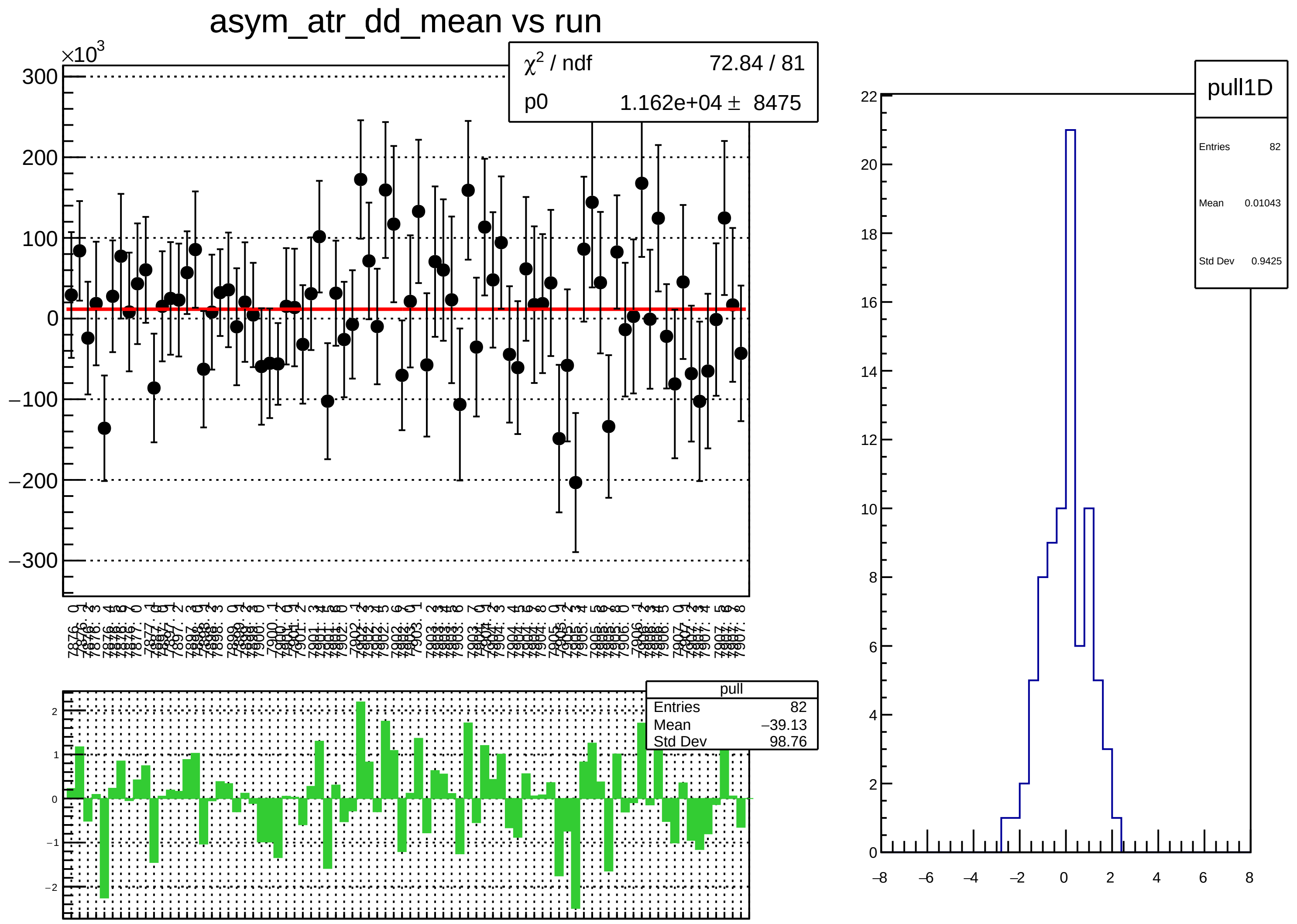


dit_asym_atr_dd_rms vs run
χ2 / ndf 9279 / 81
p0 2049 ± 1.629

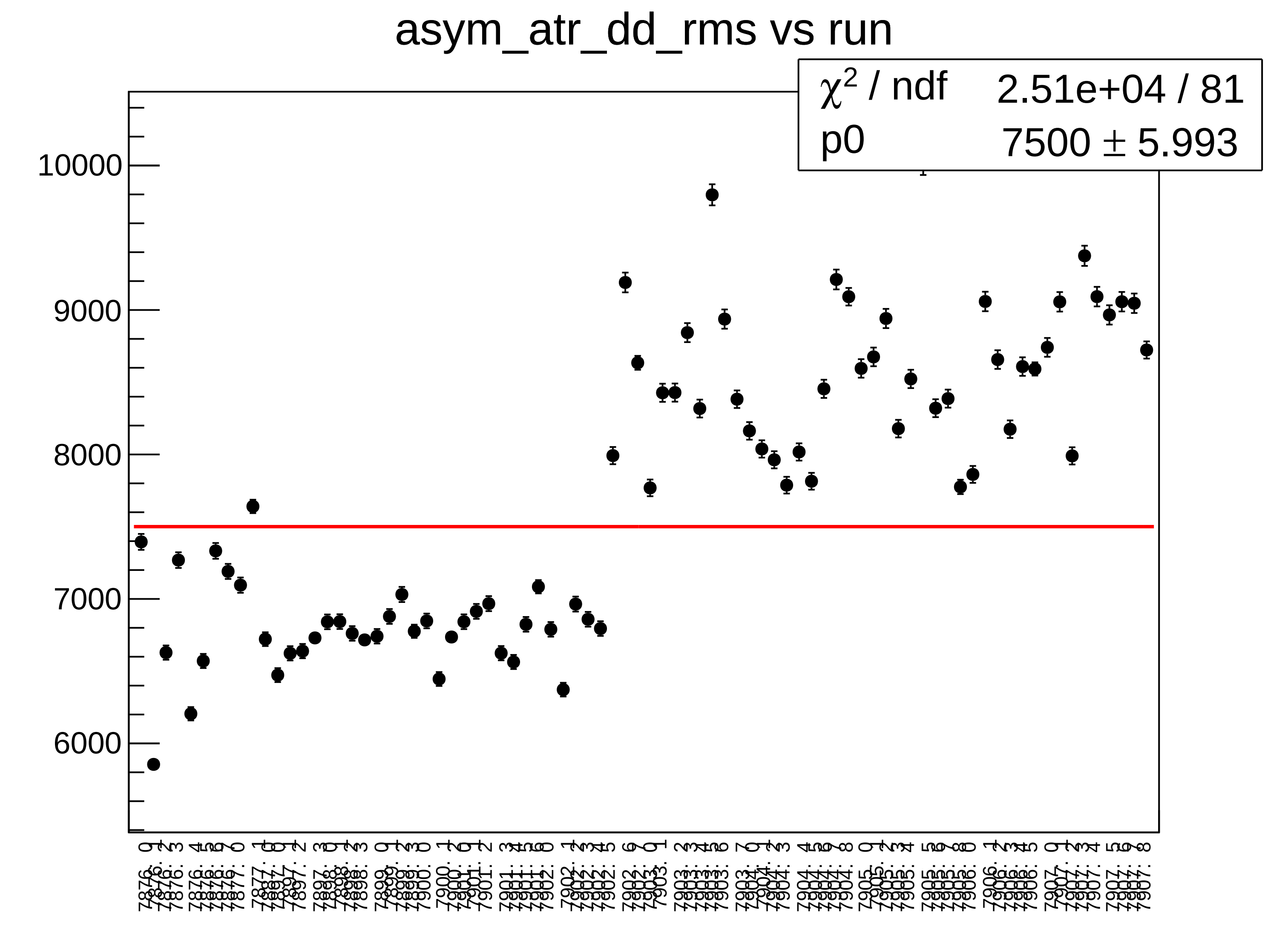


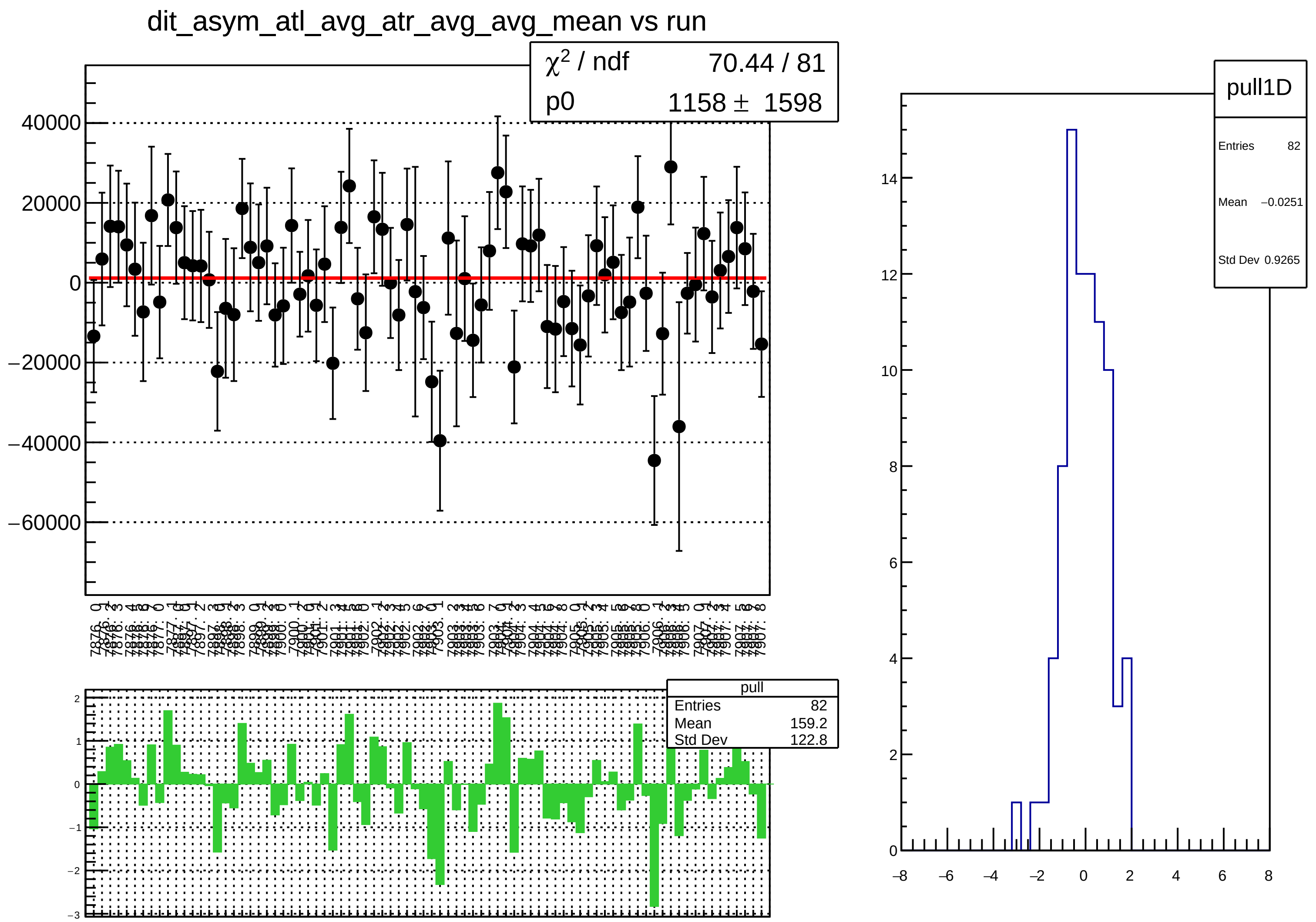
asym_atr_dd_correction_mean vs run
×10^3
χ2 / ndf 66.29 / 81
p0 −1.244e+04 ± 8290
pull
Entries 82
Mean 0.7395
Std Dev 60.66
pull1D
Entries 82
Mean −0.006109
Std Dev 0.8991


asym_atr_dd_correction_rms vs run
χ2 / ndf 3.729e+04 / 81
p0 7308 ± 5.862
10000
9000
8000
7000
6000
5000

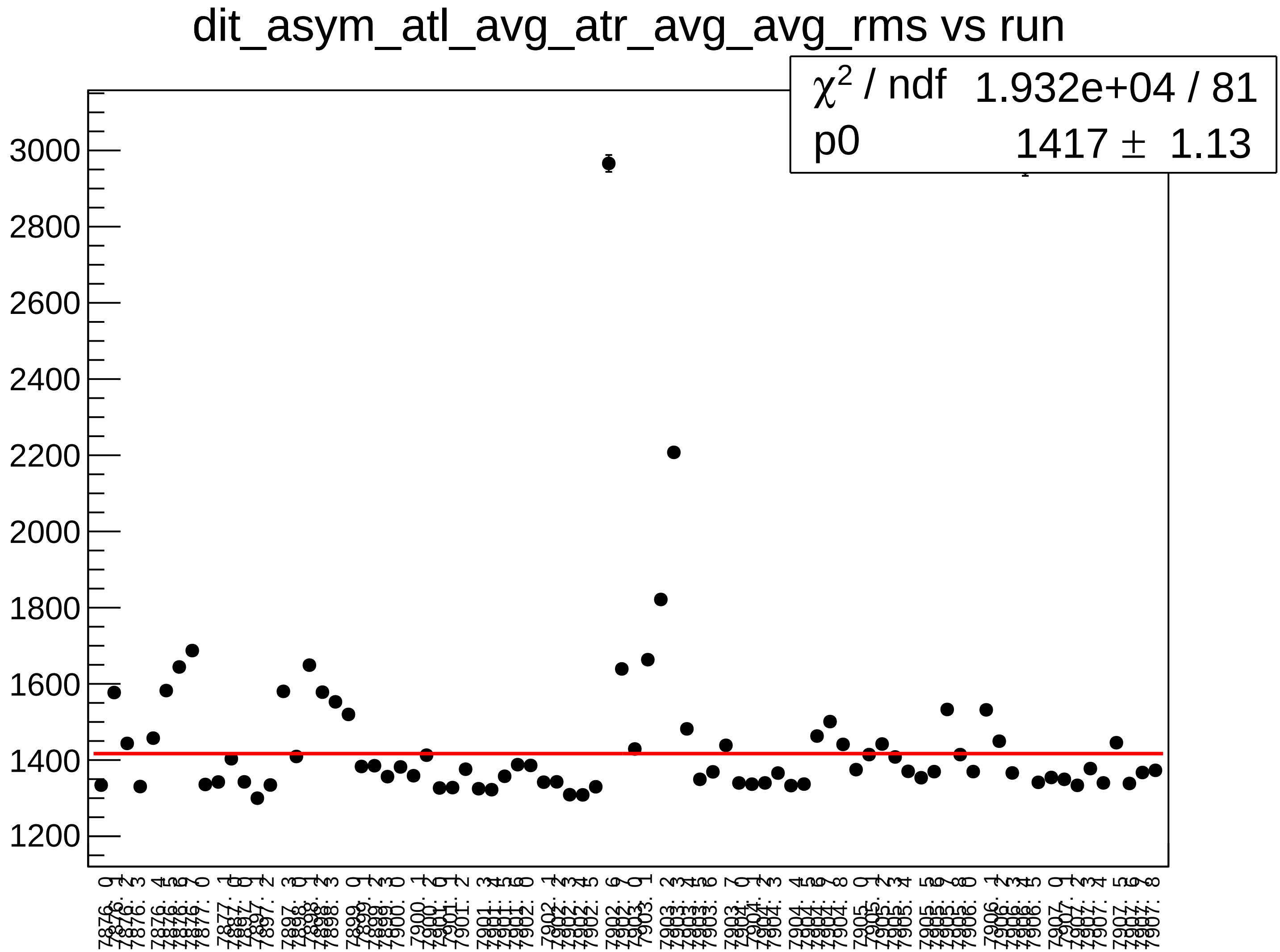


asym_atr_dd_mean vs run
χ2 / ndf 72.84 / 81
p0 1.162e+04 ± 8475
×10^3
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean −39.13
Std Dev 98.76
pull1D
Entries 82
Mean 0.01043
Std Dev 0.9425

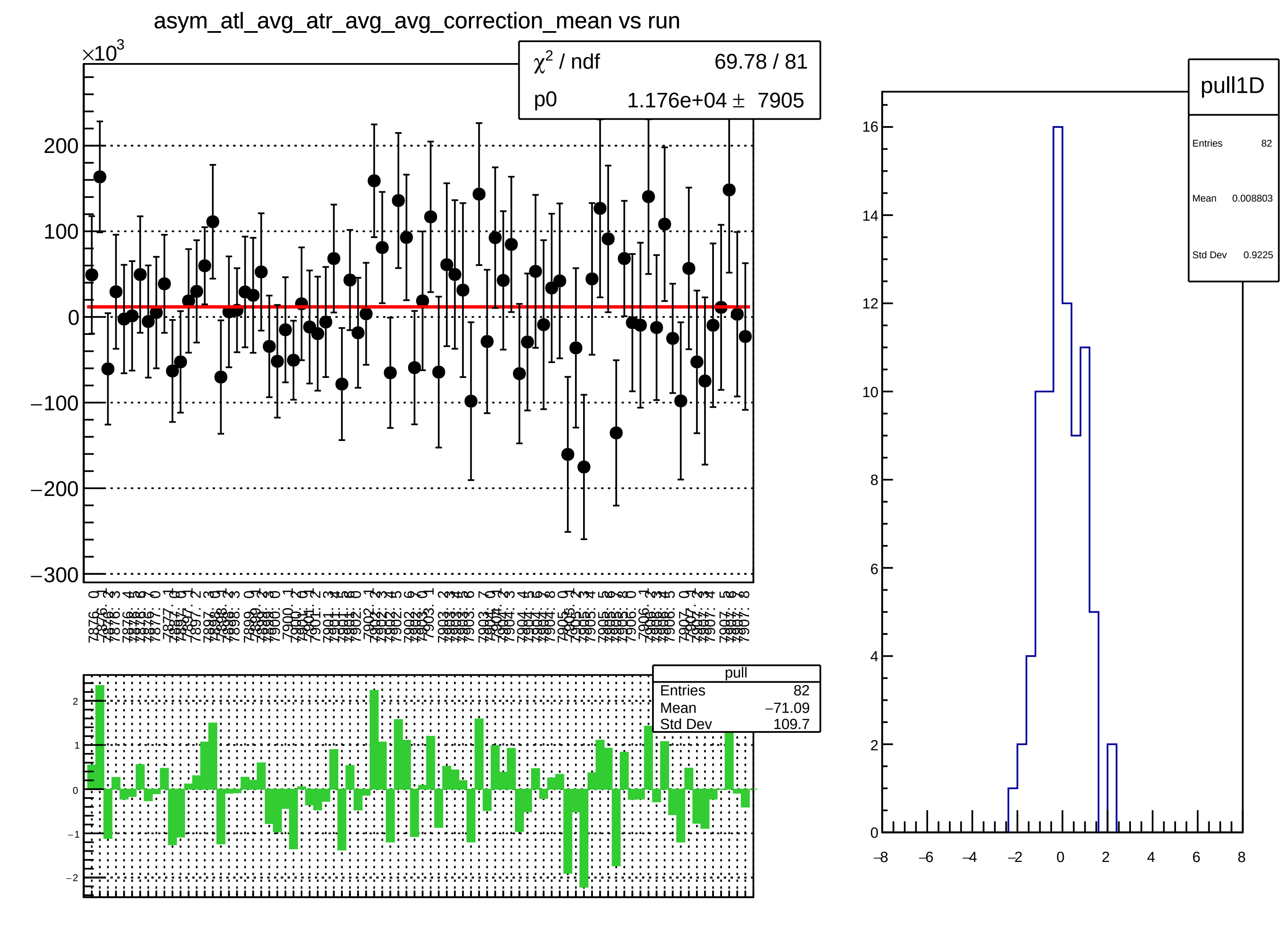

asym_atr_dd_rms vs run
χ2 / ndf 2.51e+04 / 81
p0 7500 ± 5.993
10000
9000
8000
7000
6000

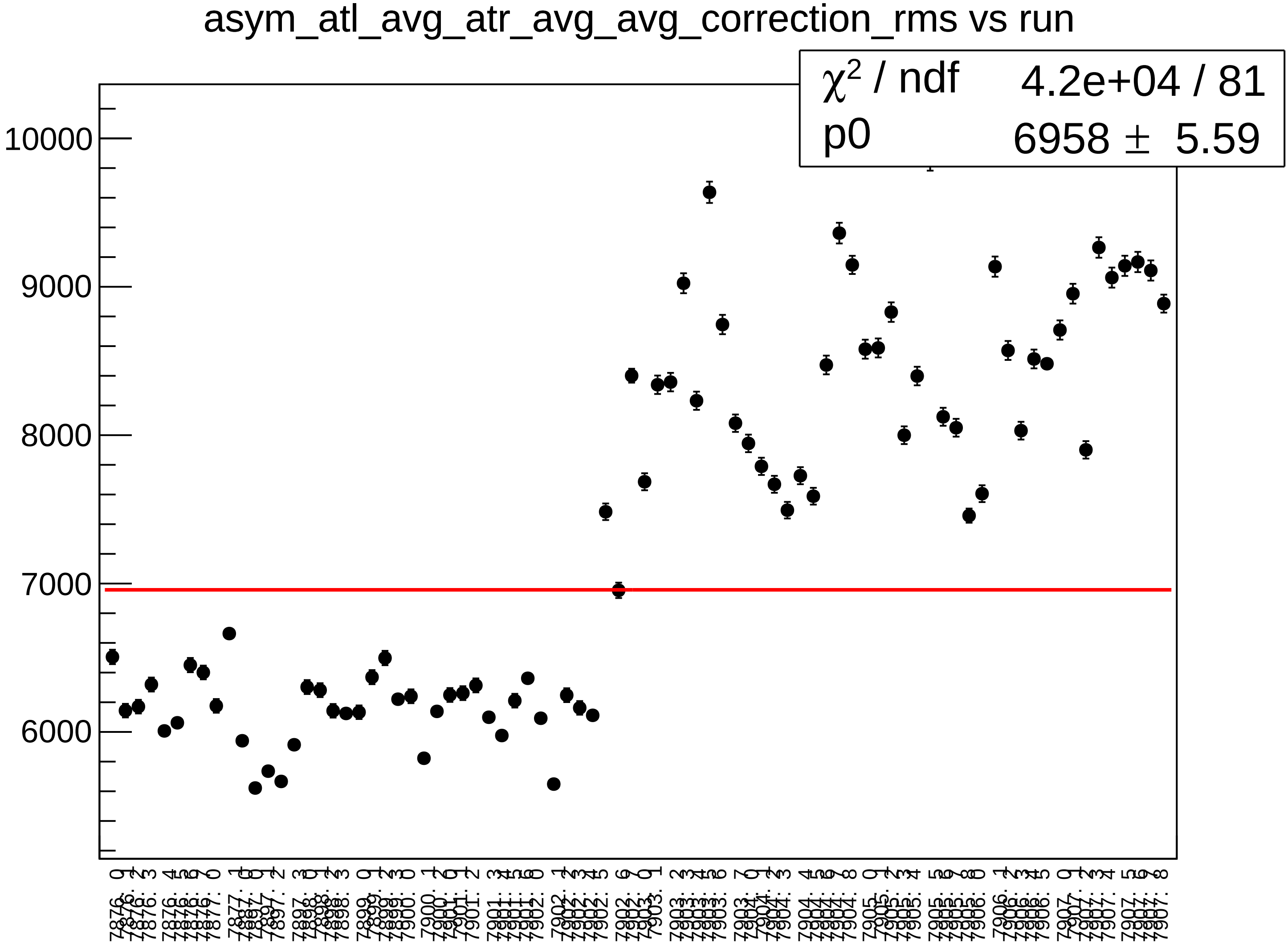


dit_asym_atl_avg_atr_avg_avg_mean vs run
χ2 / ndf 70.44 / 81
p0 1158 ± 1598
pull
Entries 82
Mean 159.2
Std Dev 122.8
pull1D
Entries 82
Mean −0.0251
Std Dev 0.9265

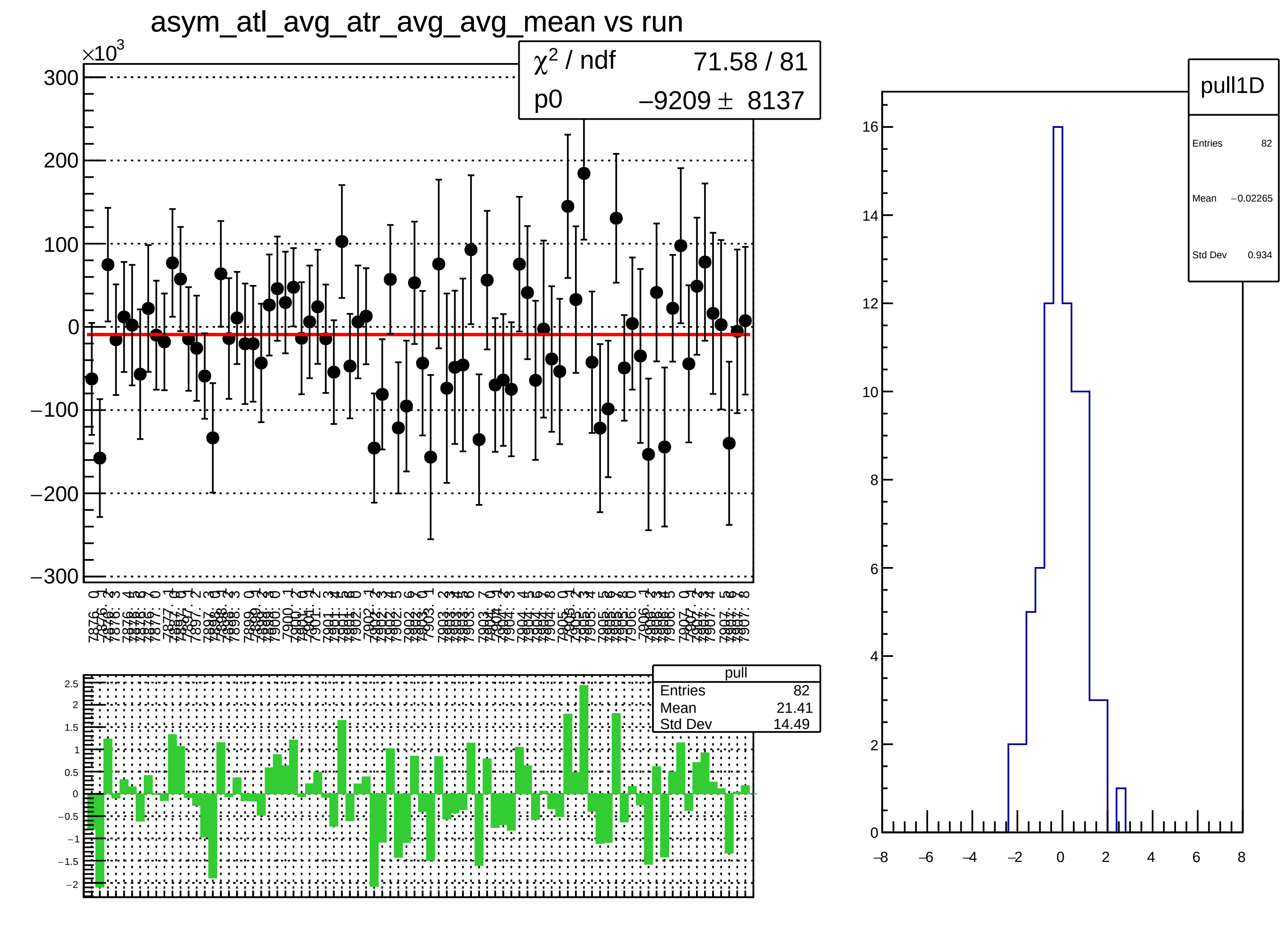


dit_asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 1.932e+04 / 81
p0 1417 ± 1.13
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200


asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ2 / ndf 69.78 / 81
p0 1.176e+04 ± 7905
pull
Entries 82
Mean −71.09
Std Dev 109.7
pull1D
Entries 82
Mean 0.008803
Std Dev 0.9225

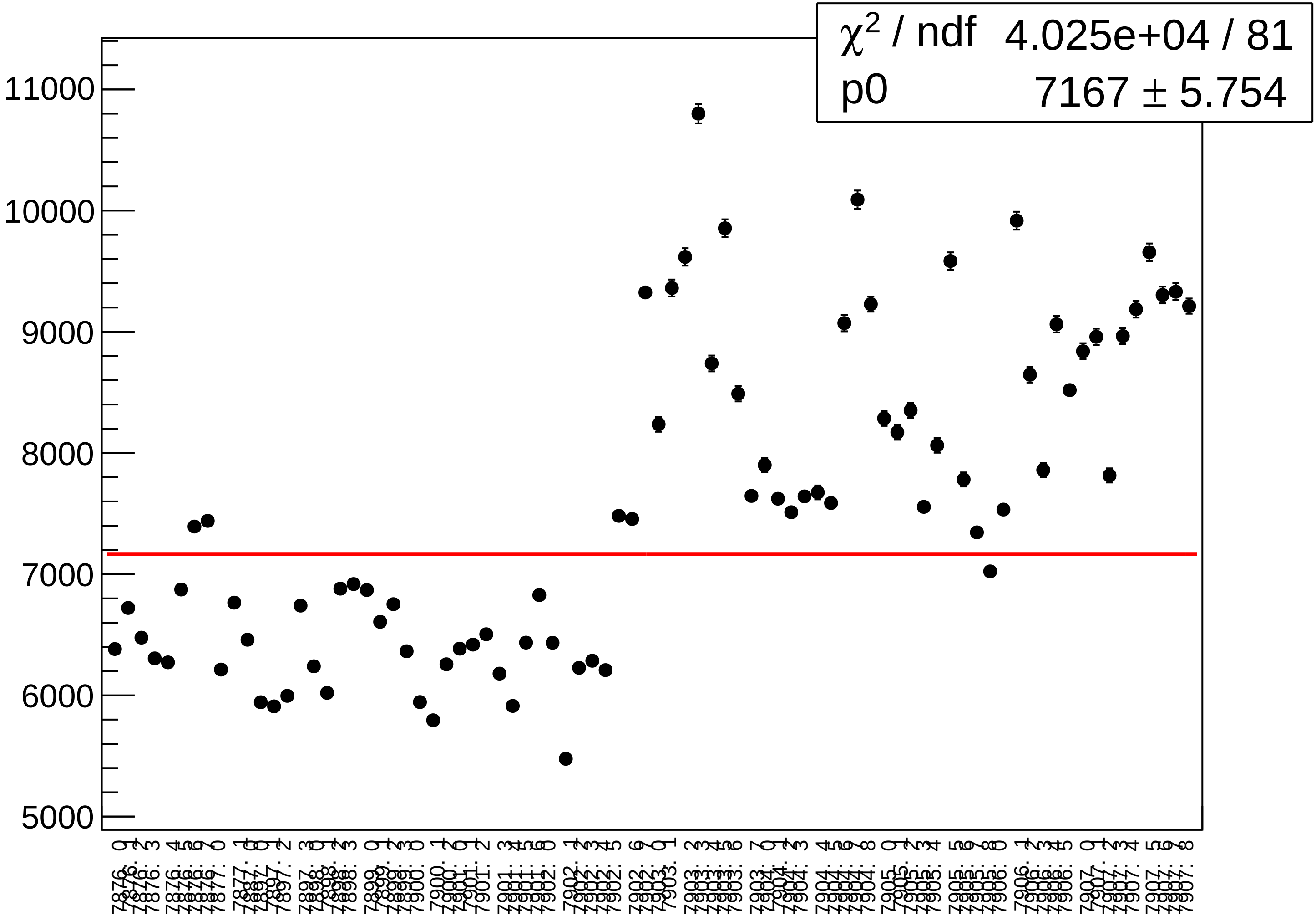


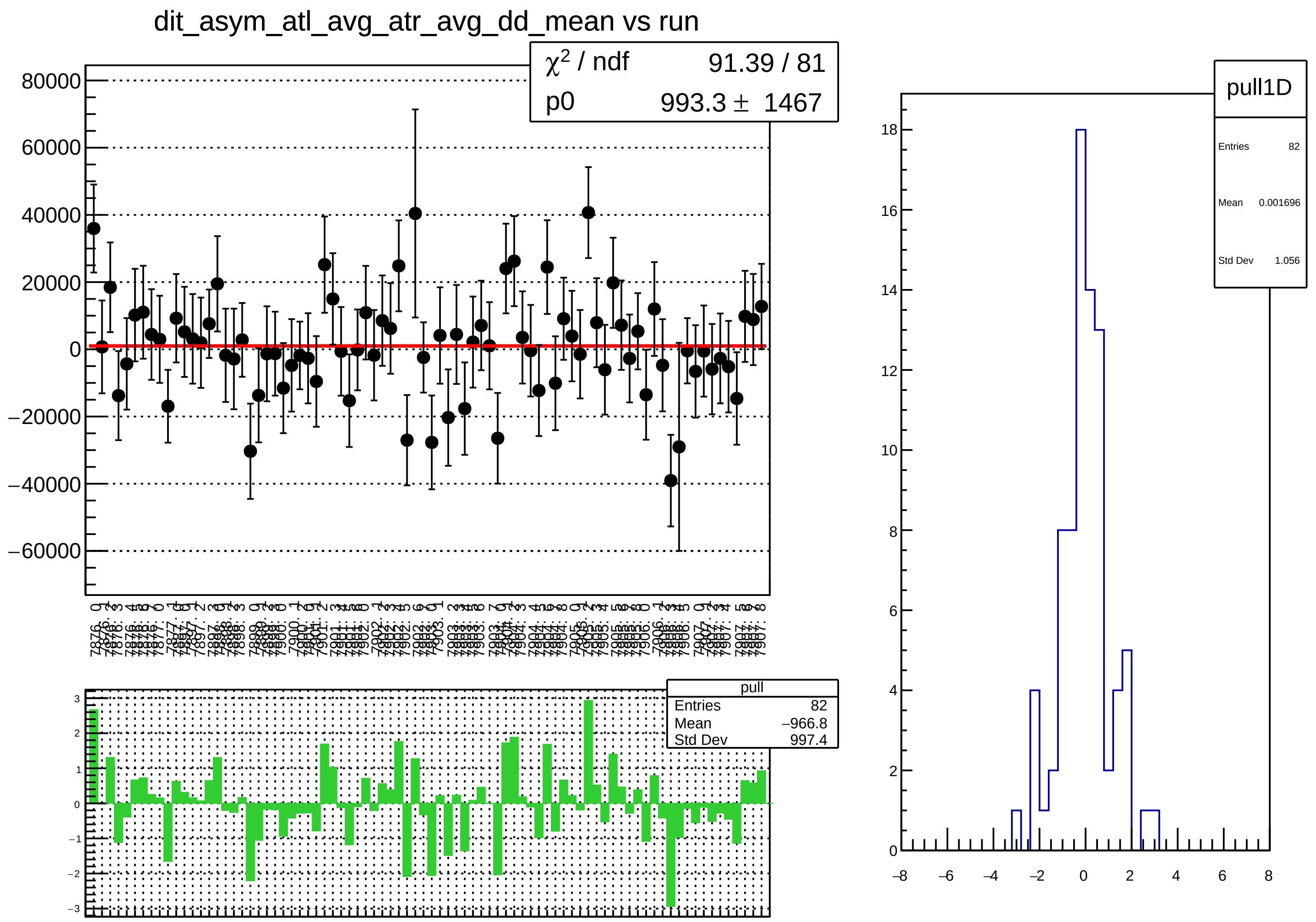
asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 4.2e+04 / 81
p0 6958 ± 5.59
10000
9000
8000
7000
6000

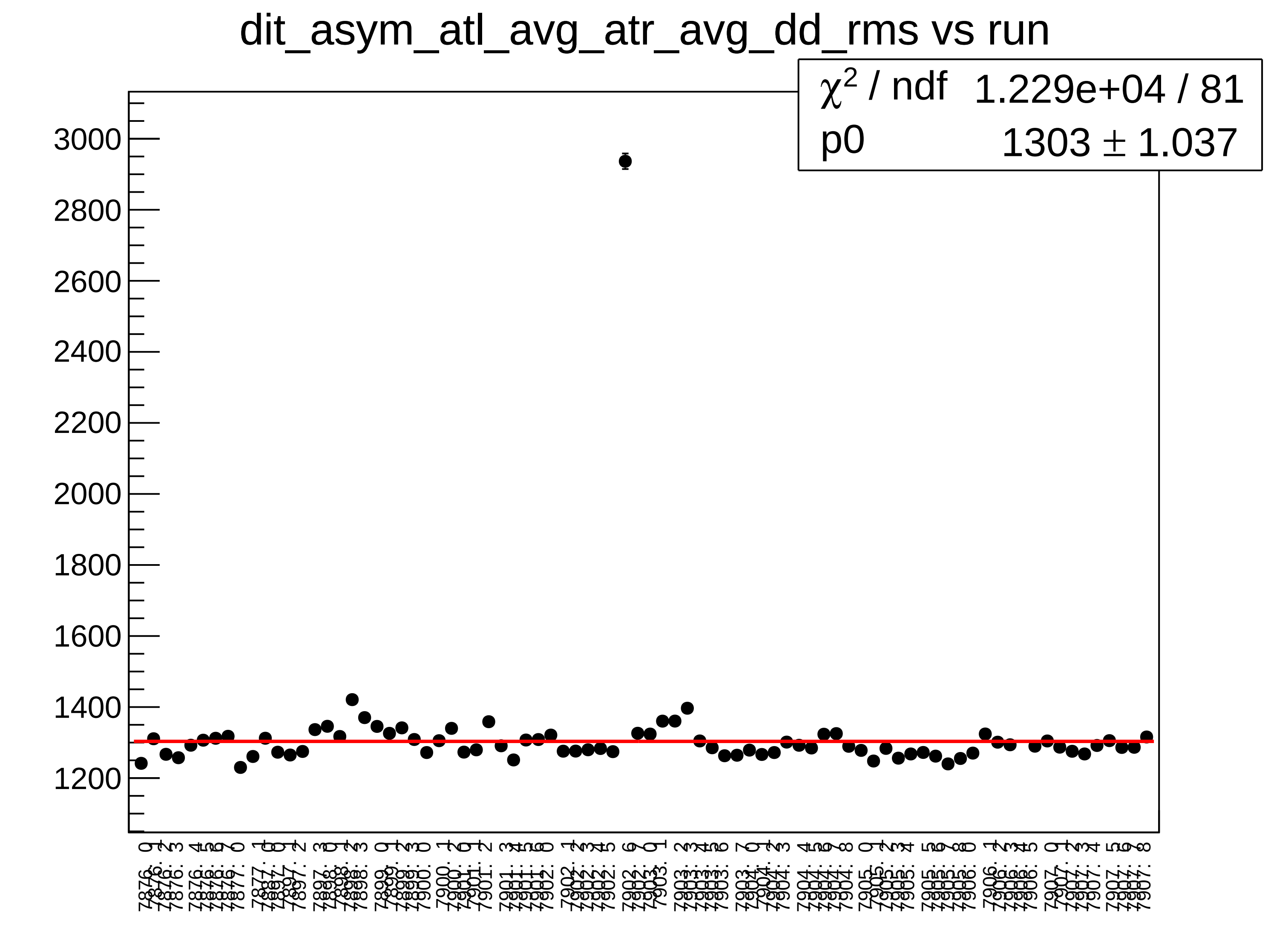


asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 71.58 / 81
p0 −9209 ± 8137
pull
Entries 82
Mean 21.41
Std Dev 14.49
pull1D
Entries 82
Mean −0.02265
Std Dev 0.934

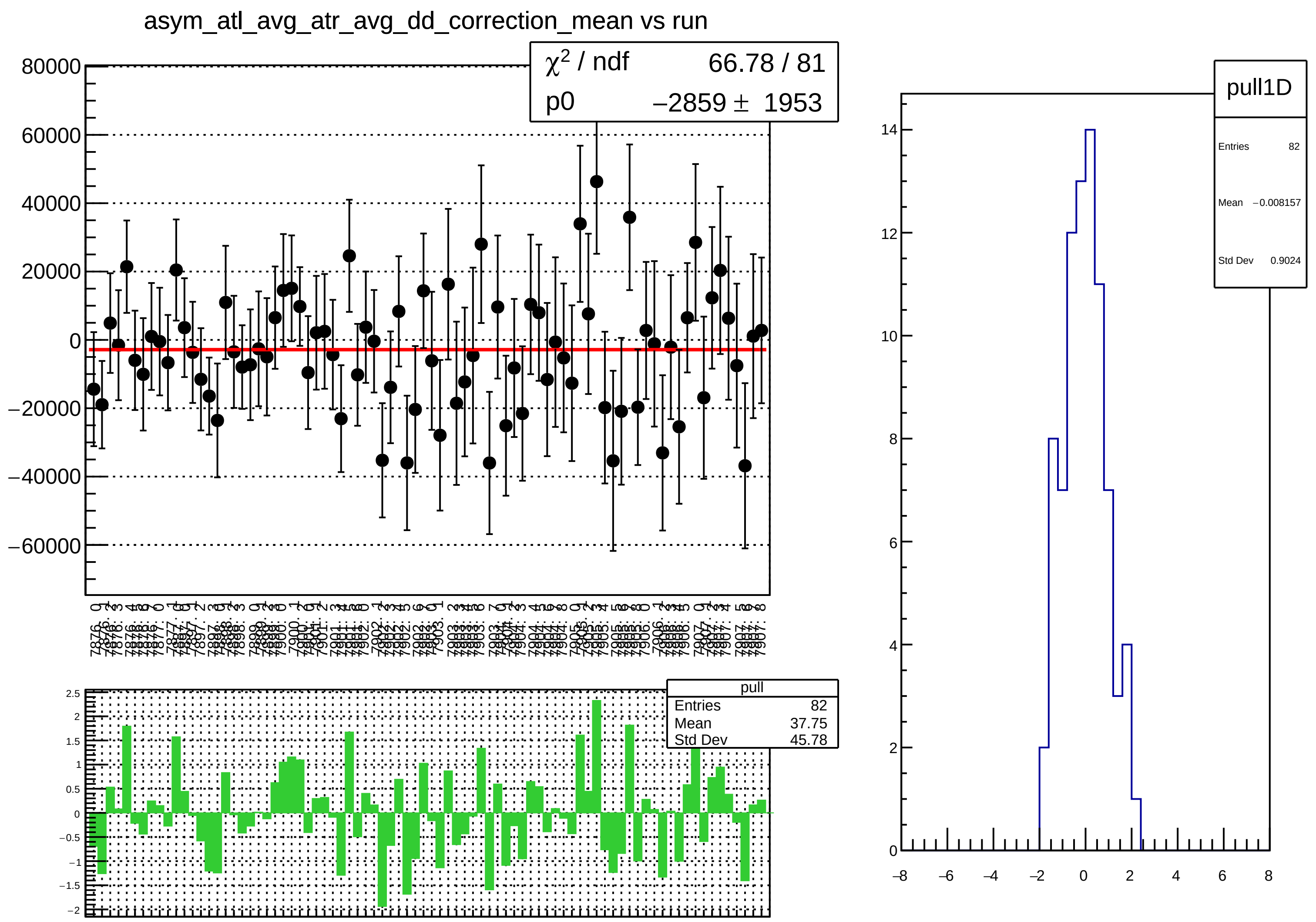
asym_atl_avg_atr_avg_avg_rms vs run



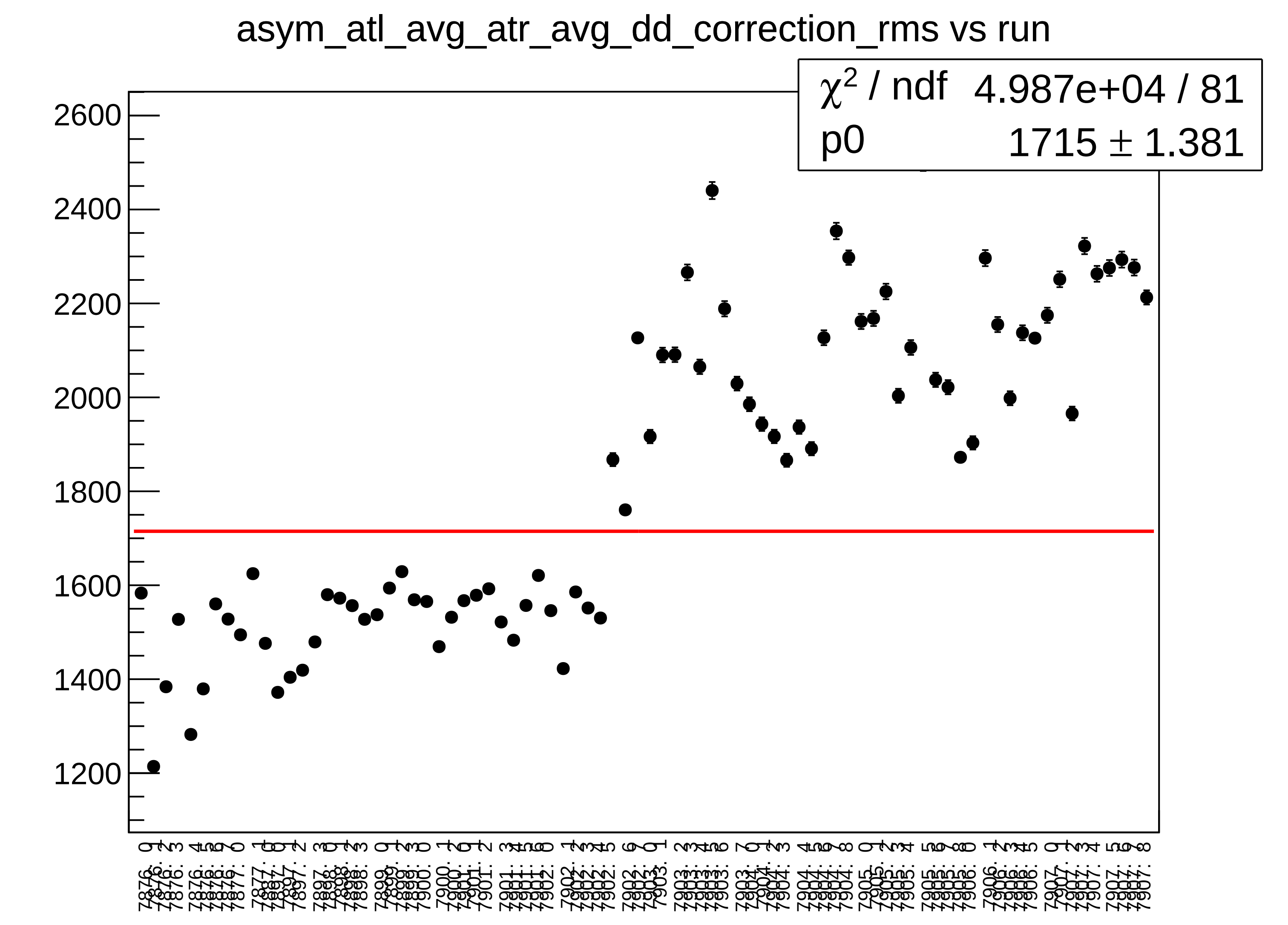

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 91.39 / 81
p0 993.3 ± 1467
pull
Entries 82
Mean −966.8
Std Dev 997.4
pull1D
Entries 82
Mean 0.001696
Std Dev 1.056



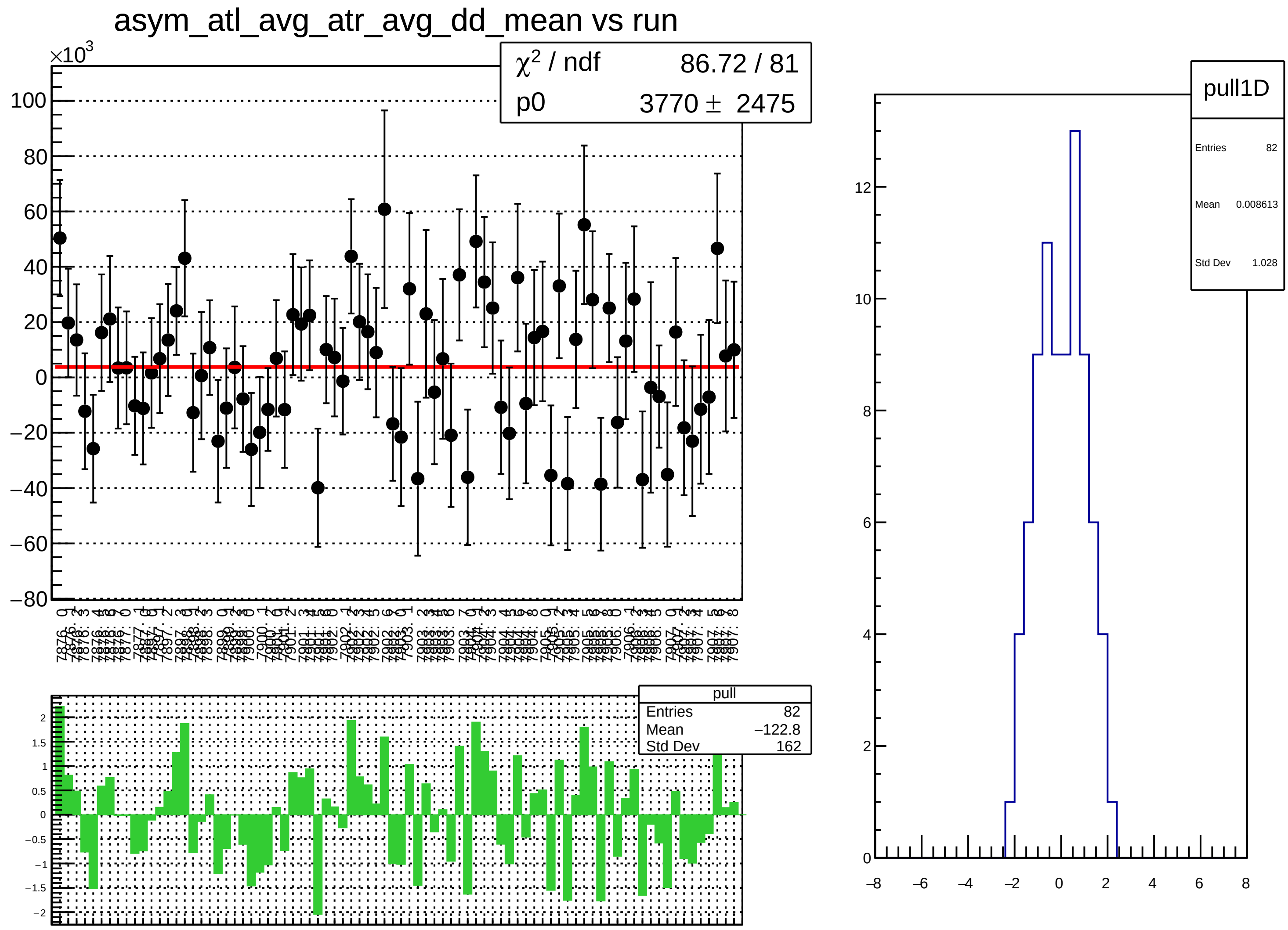
dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.229e+04 / 81
p0 1303 ± 1.037

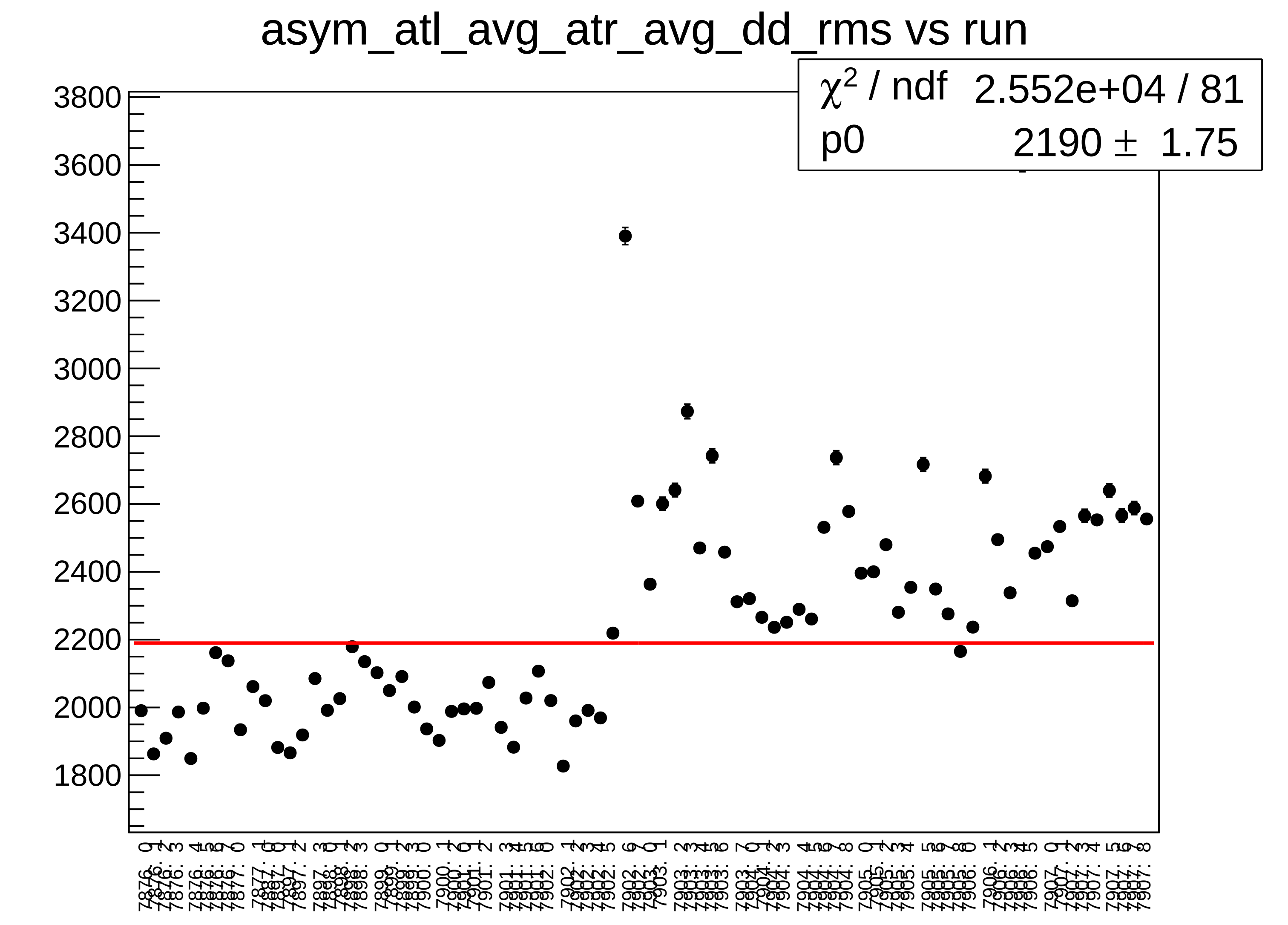


asym_atl_avg_atr_avg_dd_correction_mean vs run
χ2 / ndf 66.78 / 81
p0 −2859 ± 1953
pull
Entries 82
Mean 37.75
Std Dev 45.78
pull1D
Entries 82
Mean −0.008157
Std Dev 0.9024

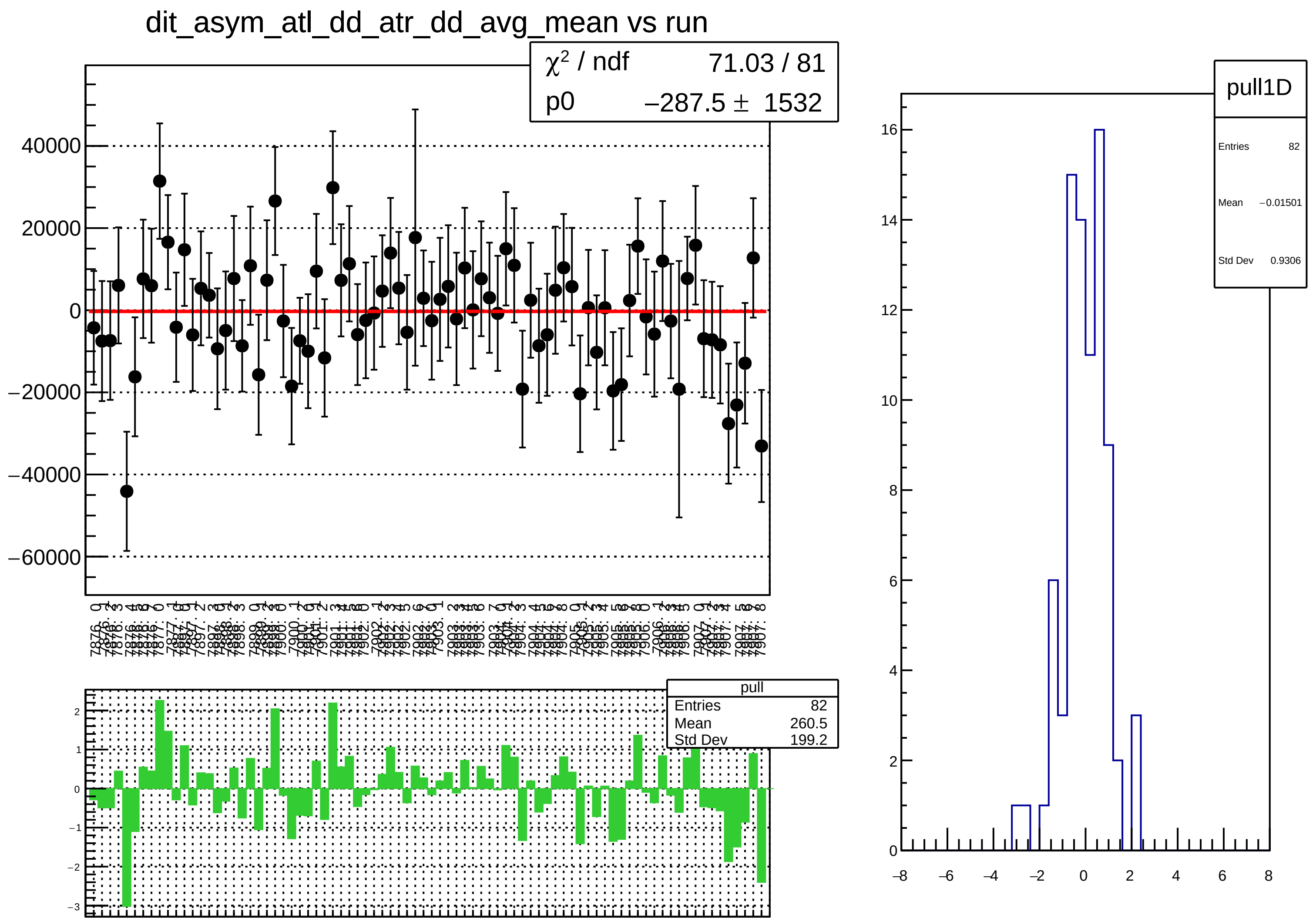


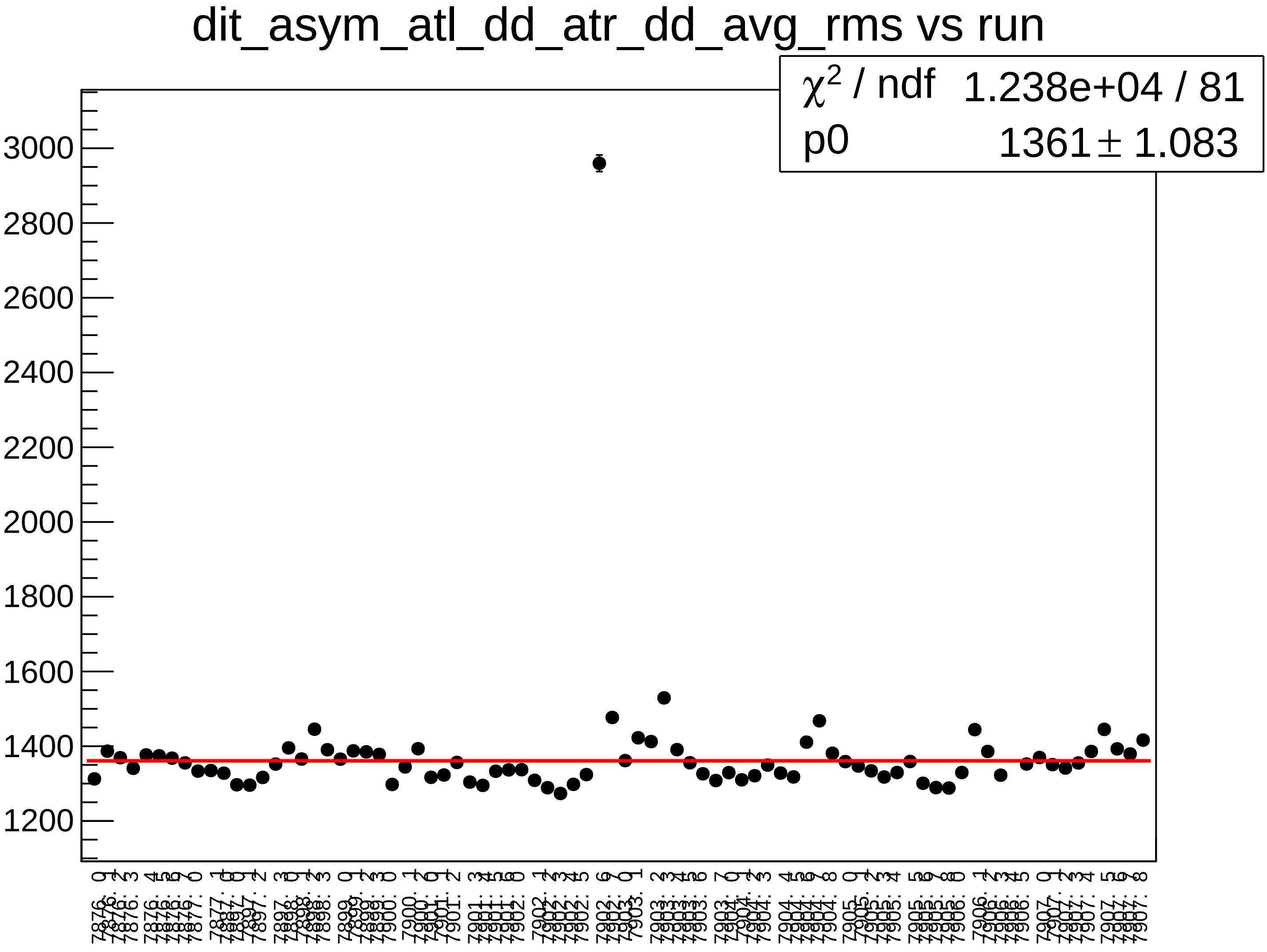
asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 4.987e+04 / 81
p0 1715 ± 1.381
2600
2400
2200
2000
1800
1600
1400
1200


asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ^2 / ndf 86.72 / 81
p0 3770 ± 2475
pull
Entries 82
Mean −122.8
Std Dev 162
pull1D
Entries 82
Mean 0.008613
Std Dev 1.028

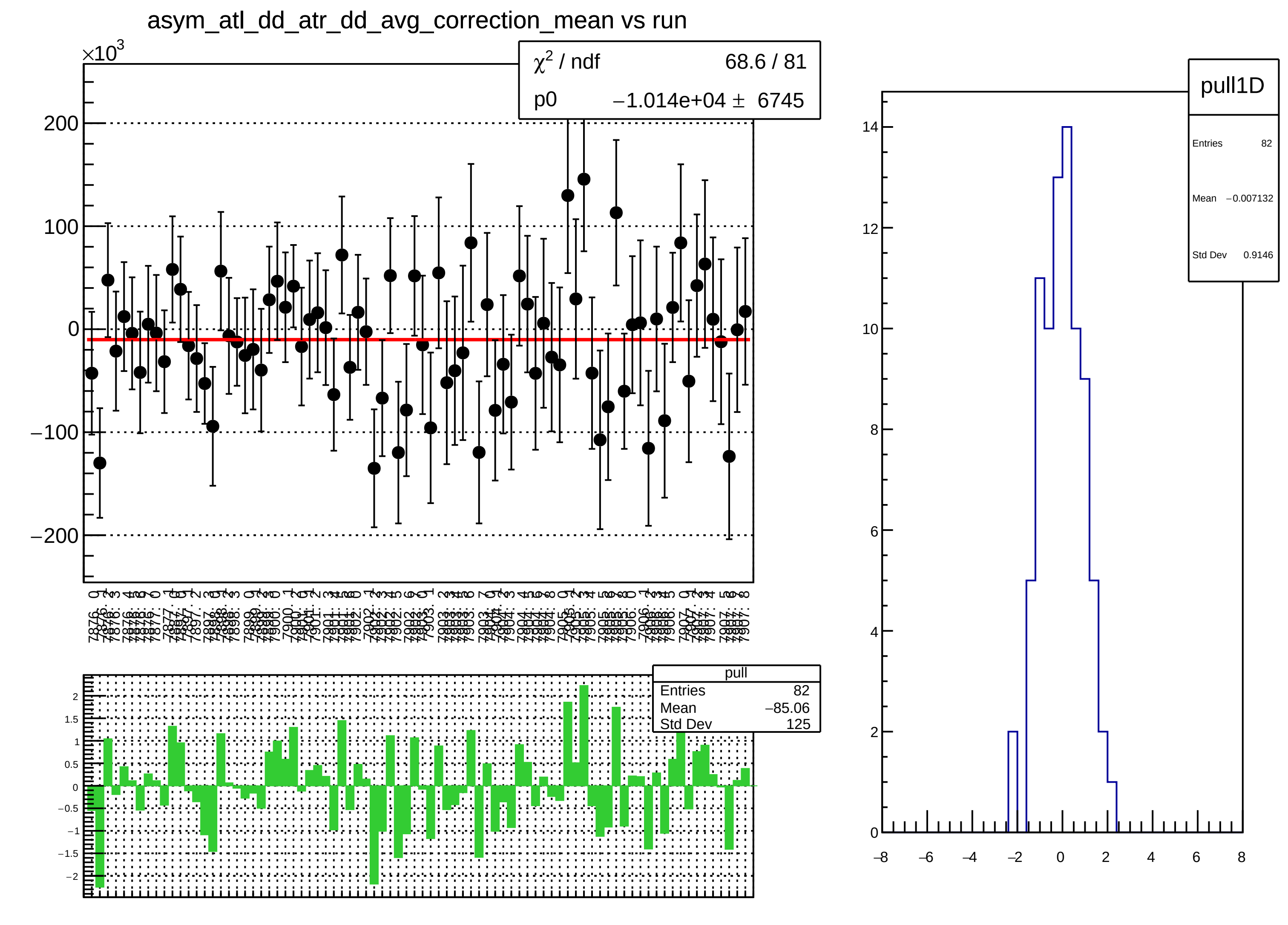


asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 2.552e+04 / 81
p0 2190 ± 1.75
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

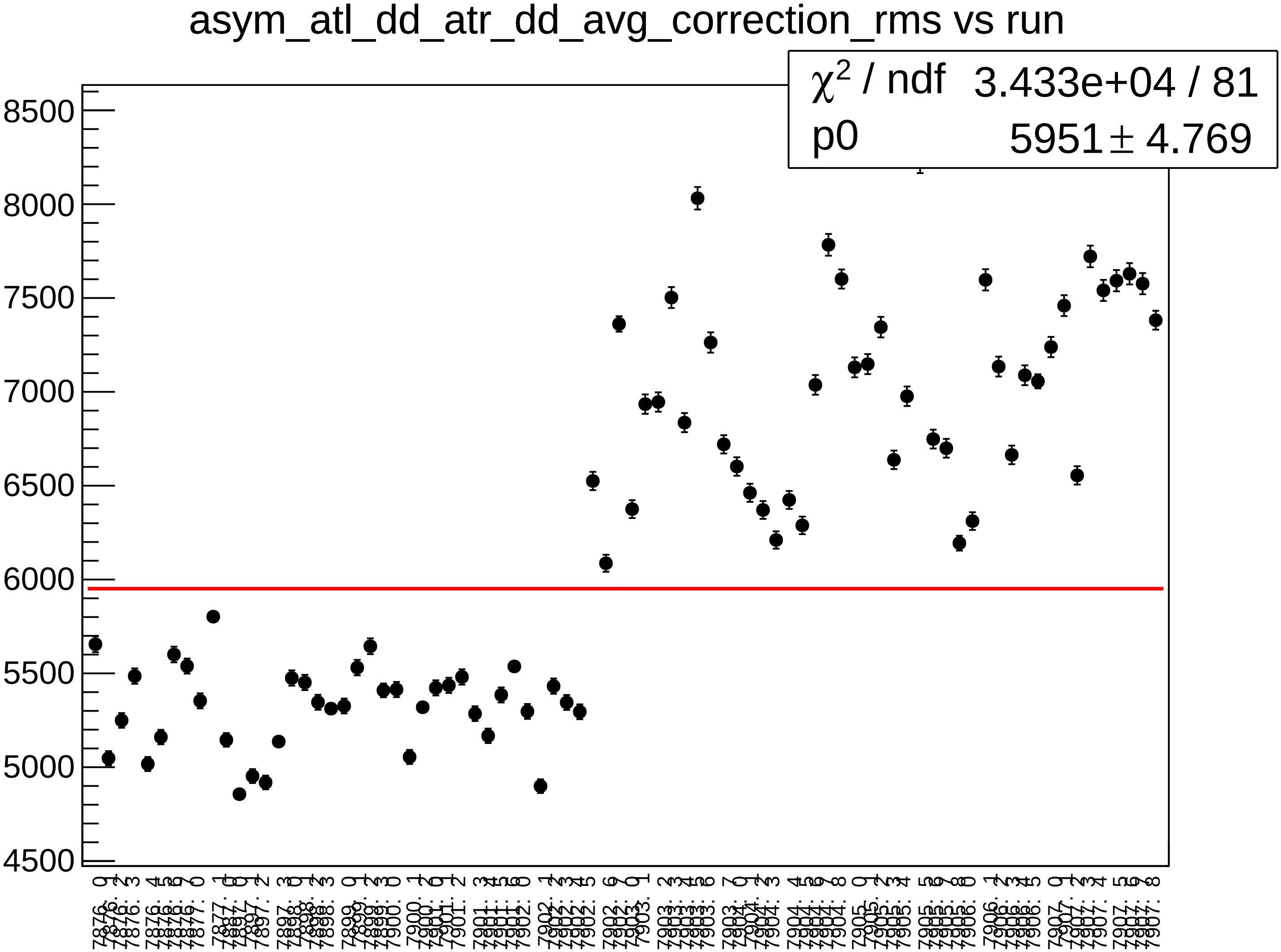

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ2 / ndf 71.03 / 81
p0 −287.5 ± 1532
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 260.5
Std Dev 199.2
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01501
Std Dev 0.9306
16
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8



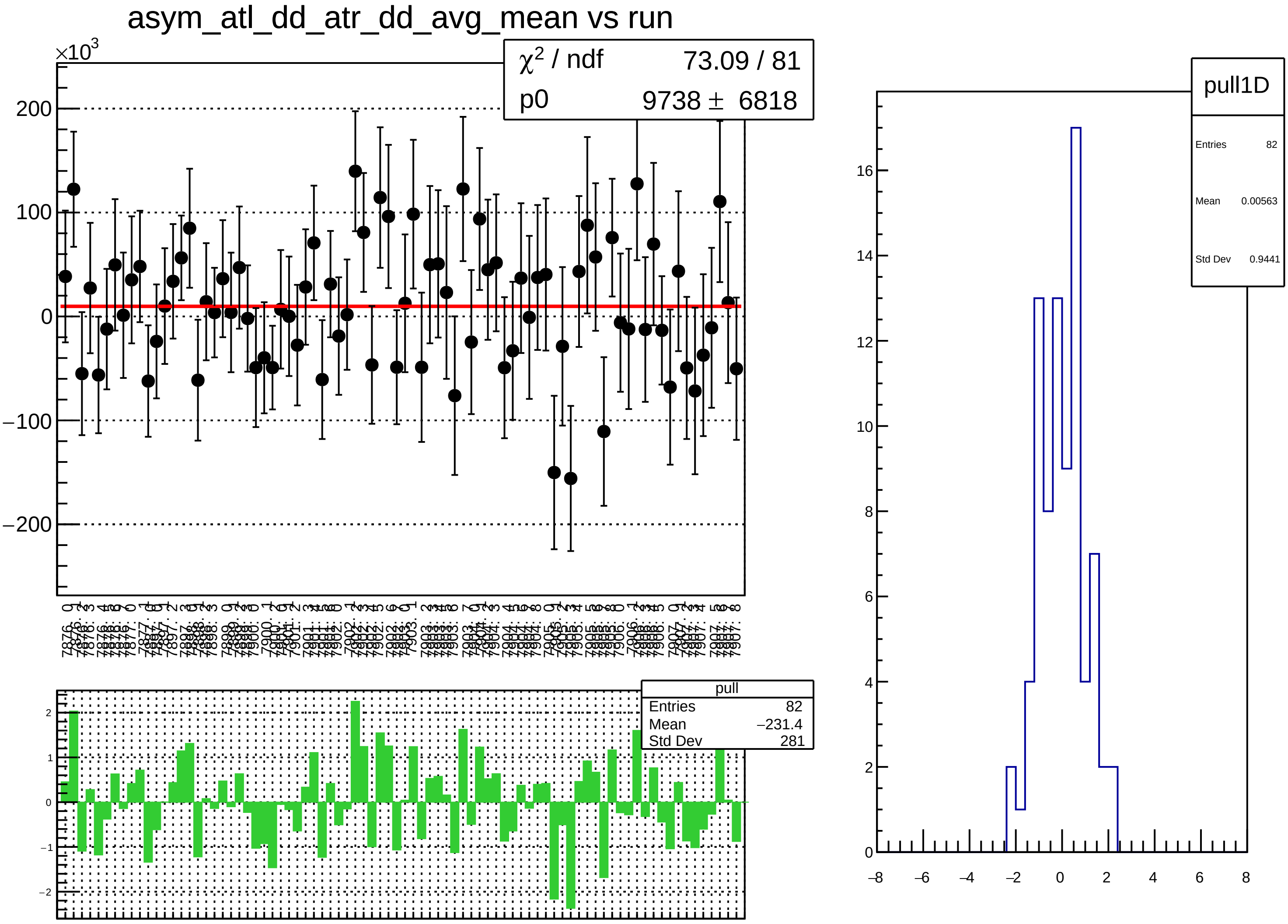
dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 1.238e+04 / 81
p0 1361 ± 1.083
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200



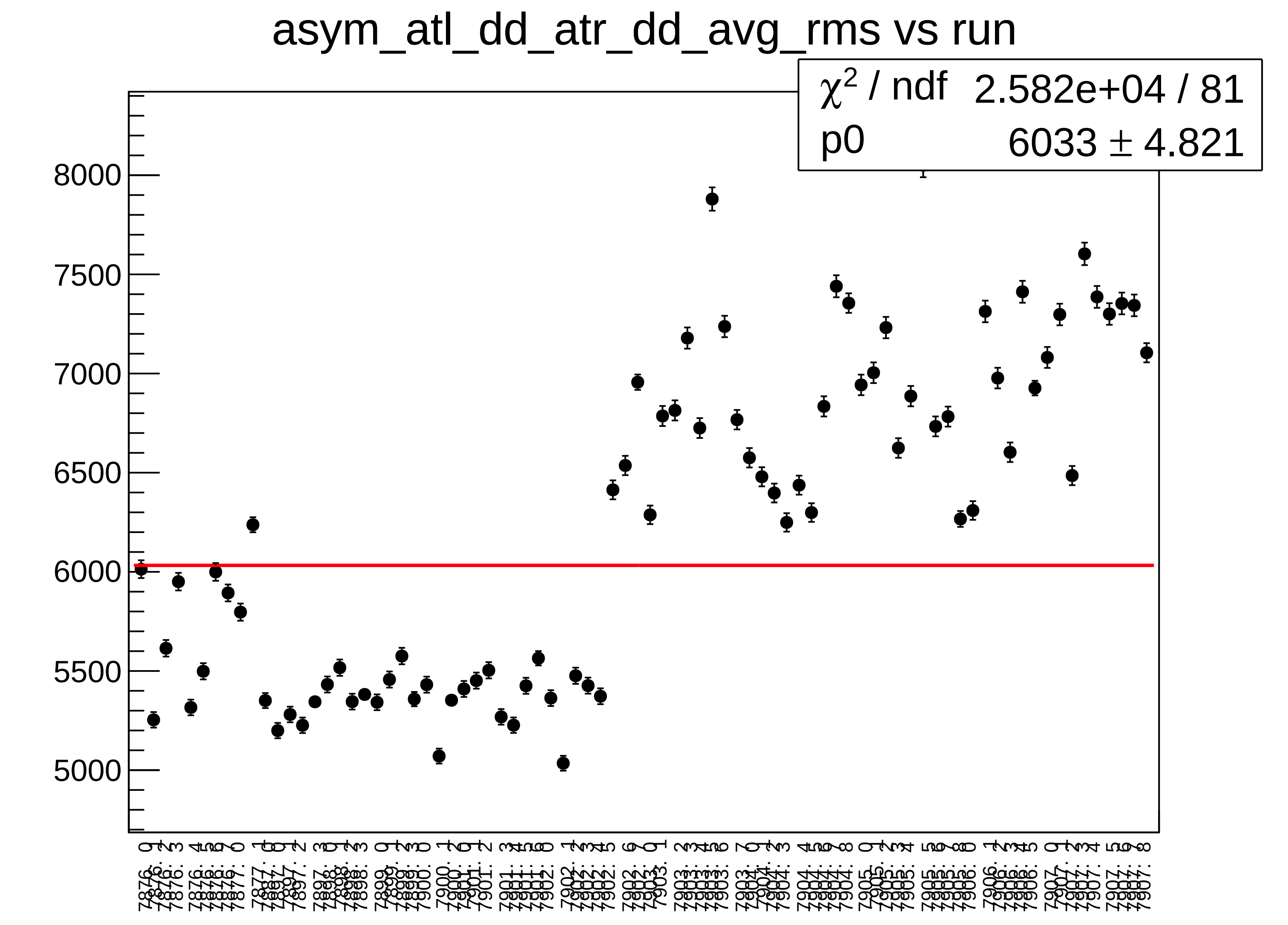
asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ2 / ndf 68.6 / 81
p0 −1.014e+04 ± 6745
200
100
0
−100
−200
pull
Entries 82
Mean −85.06
Std Dev 125
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.007132
Std Dev 0.9146
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



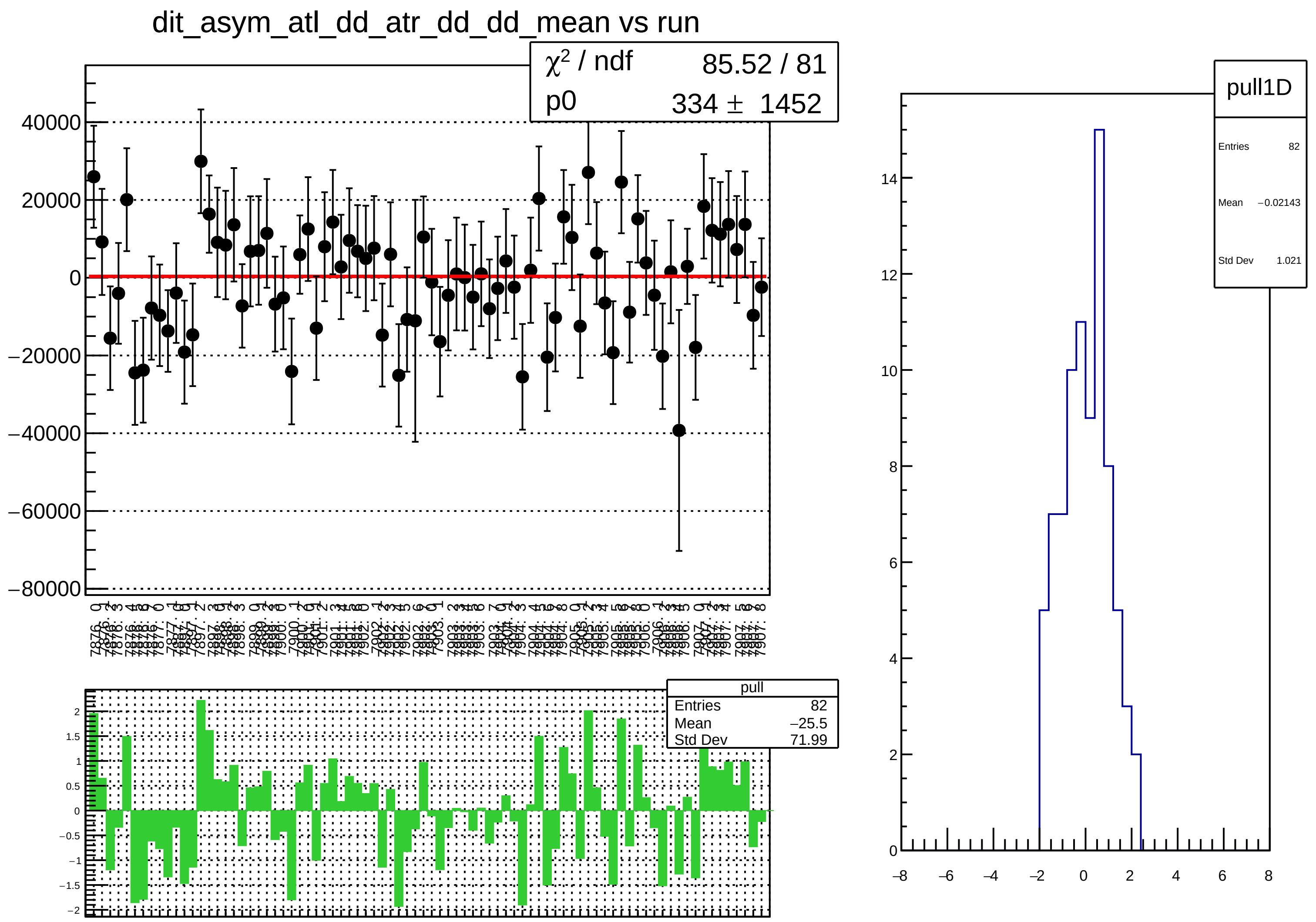
asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 3.433e+04 / 81
p0 5951 ± 4.769
8500
8000
7500
7000
6500
6000
5500
5000
4500



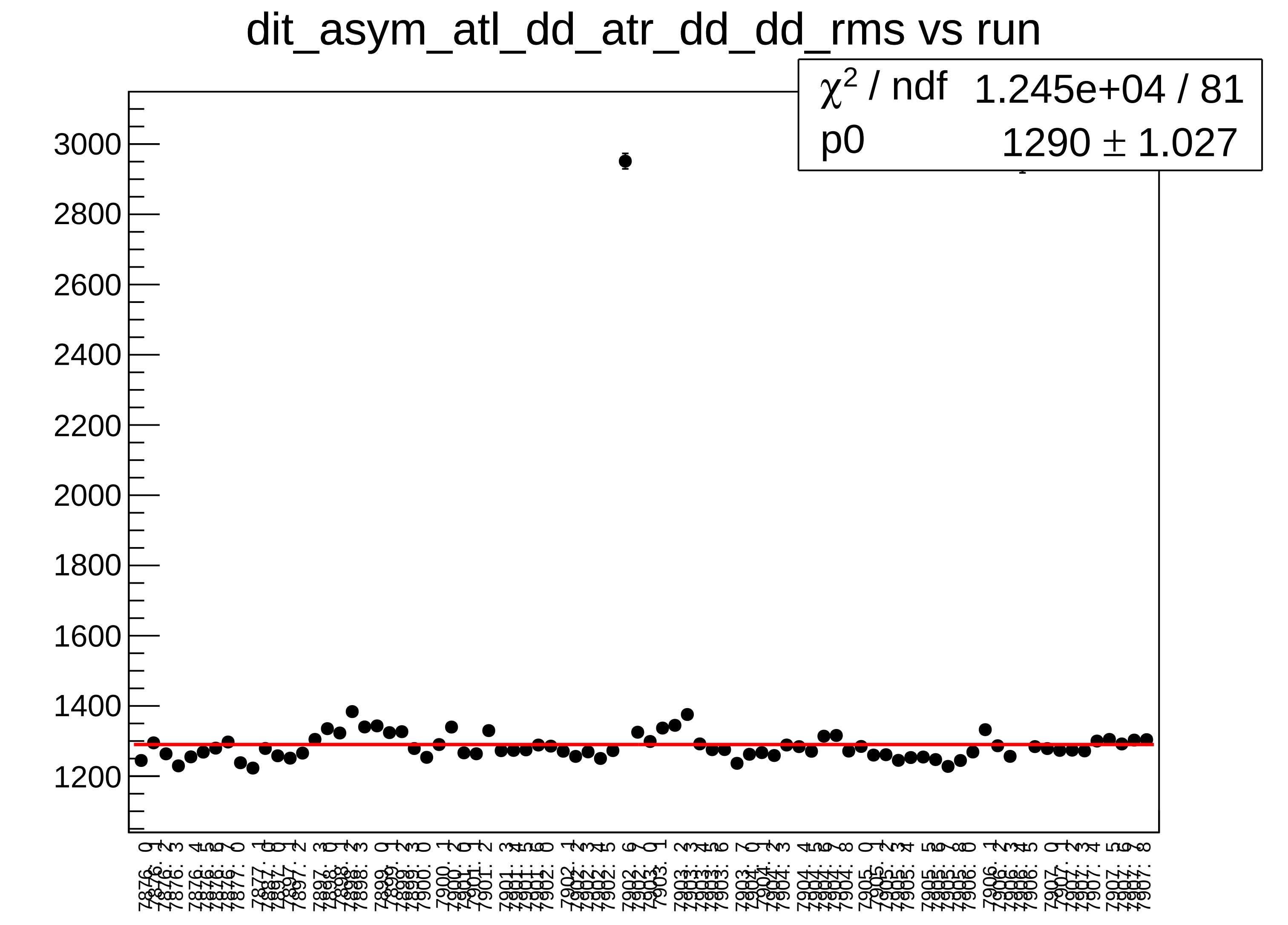
asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 73.09 / 81
p0 9738 ± 6818
×10³
200
100
0
−100
−200
pull
Entries 82
Mean −231.4
Std Dev 281
pull1D
Entries 82
Mean 0.00563
Std Dev 0.9441



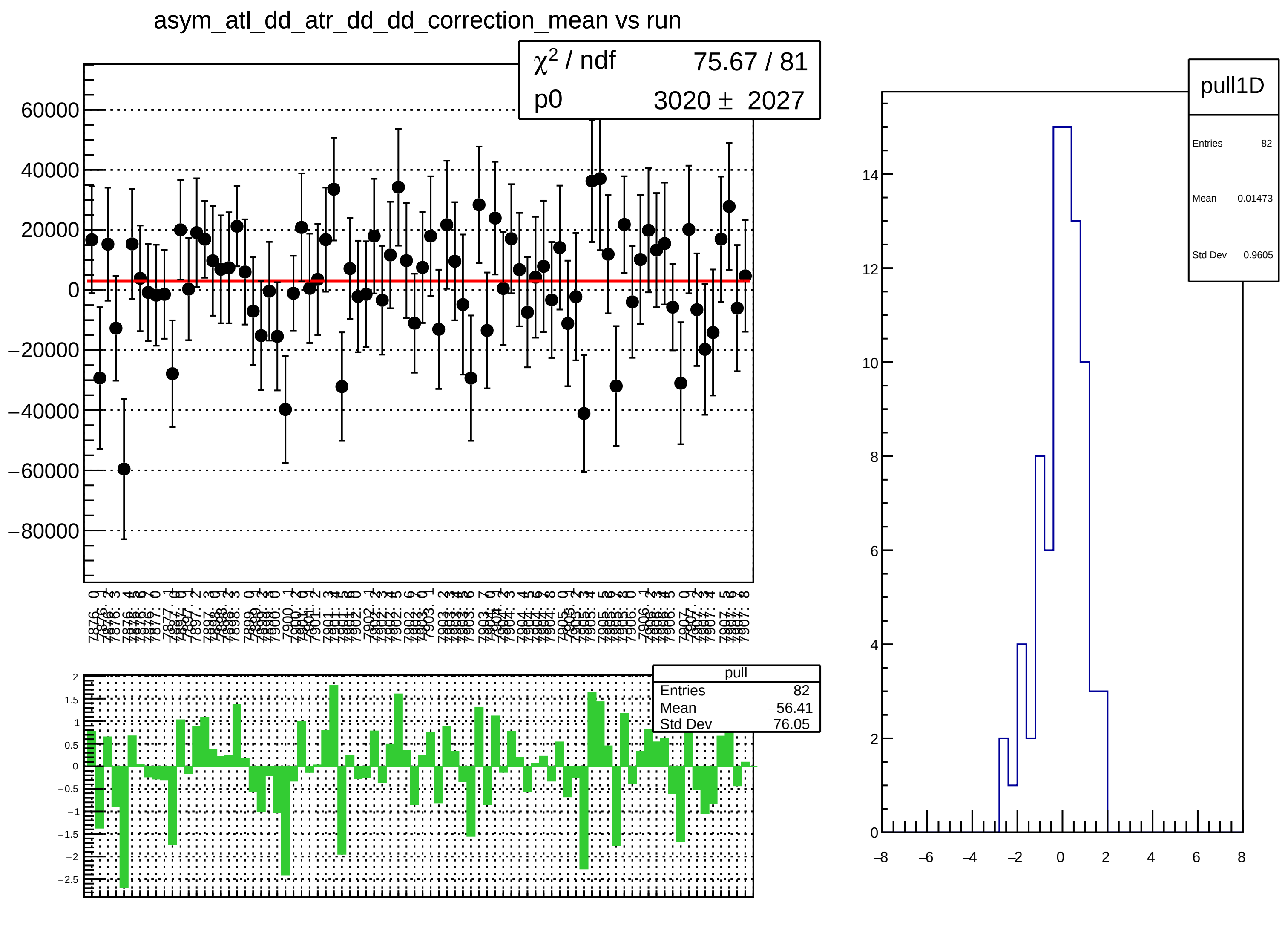
asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 2.582e+04 / 81
p0 6033 ± 4.821
8000
7500
7000
6500
6000
5500
5000



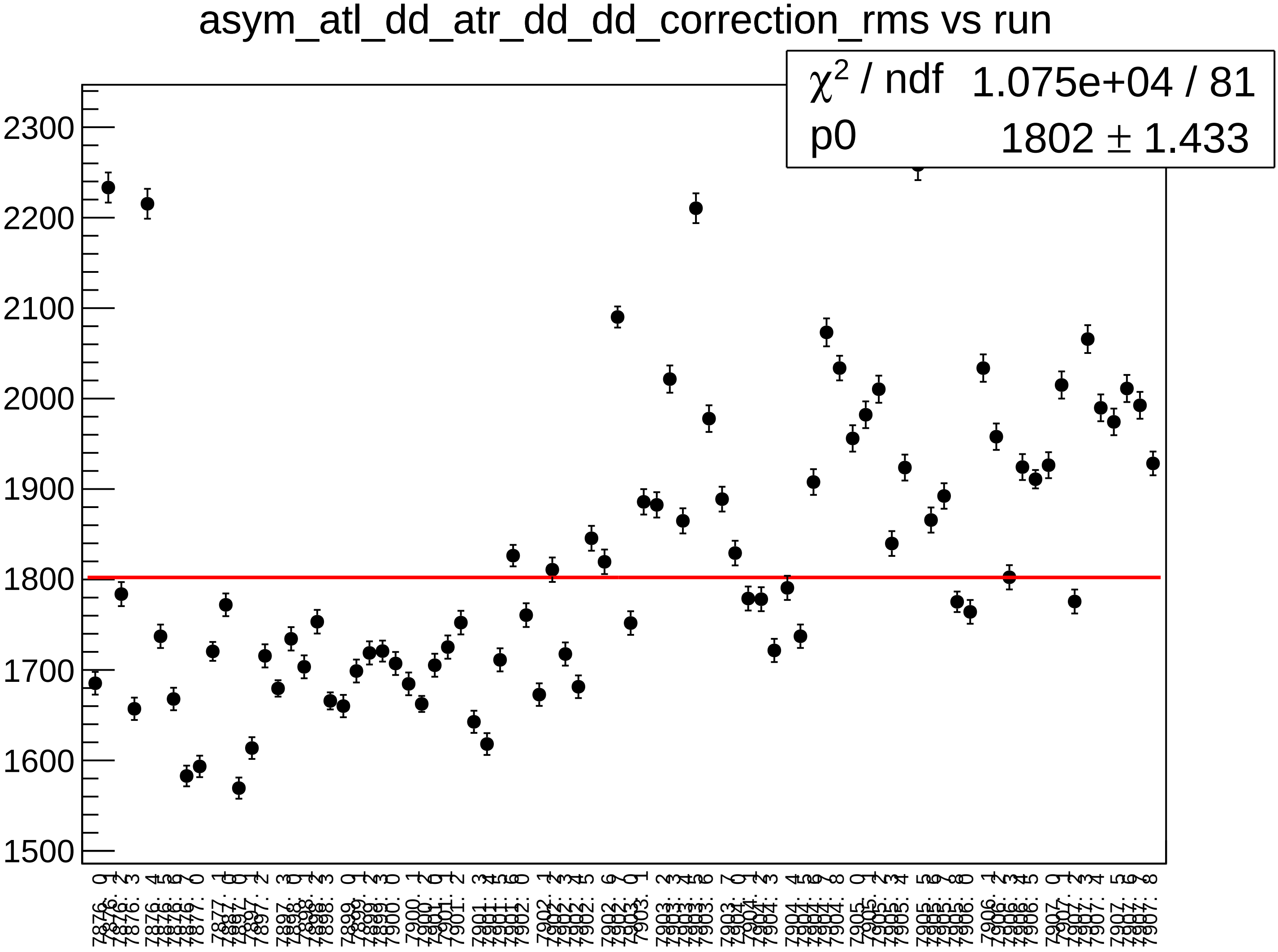
dit_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 85.52 / 81
p0 334 ± 1452
pull
Entries 82
Mean −25.5
Std Dev 71.99
pull1D
Entries 82
Mean −0.02143
Std Dev 1.021

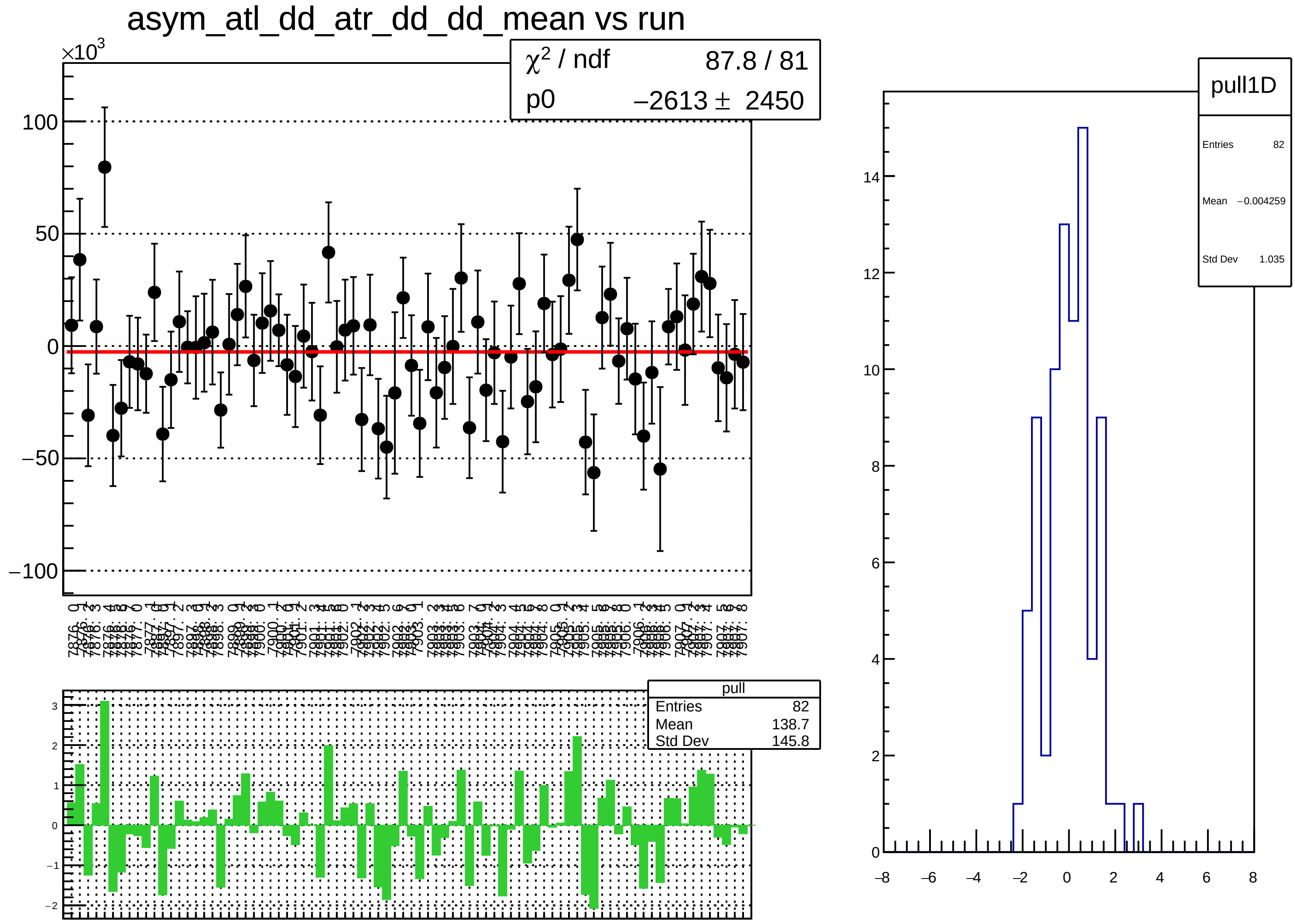


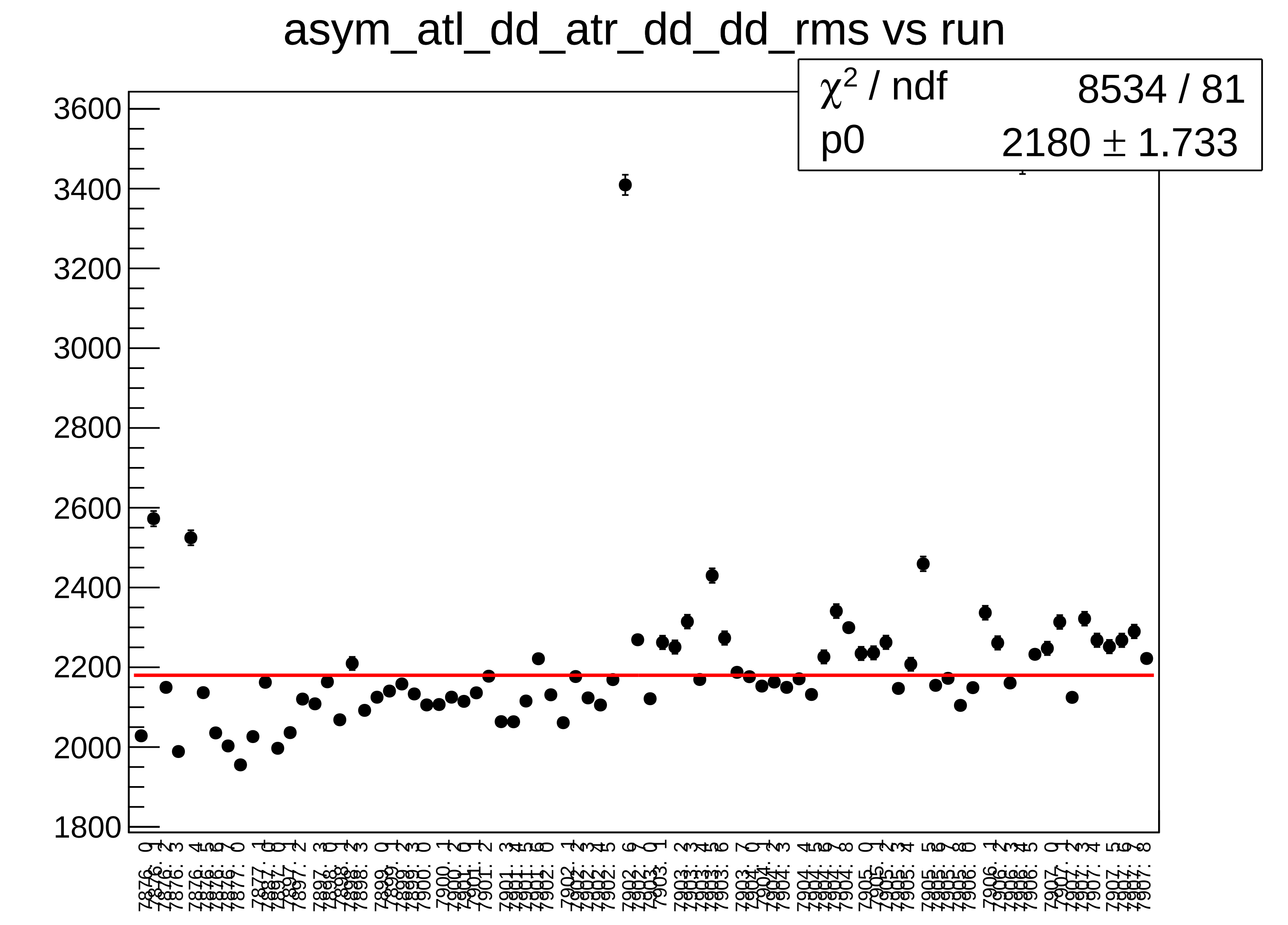
dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.245e+04 / 81
p0 1290 ± 1.027
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

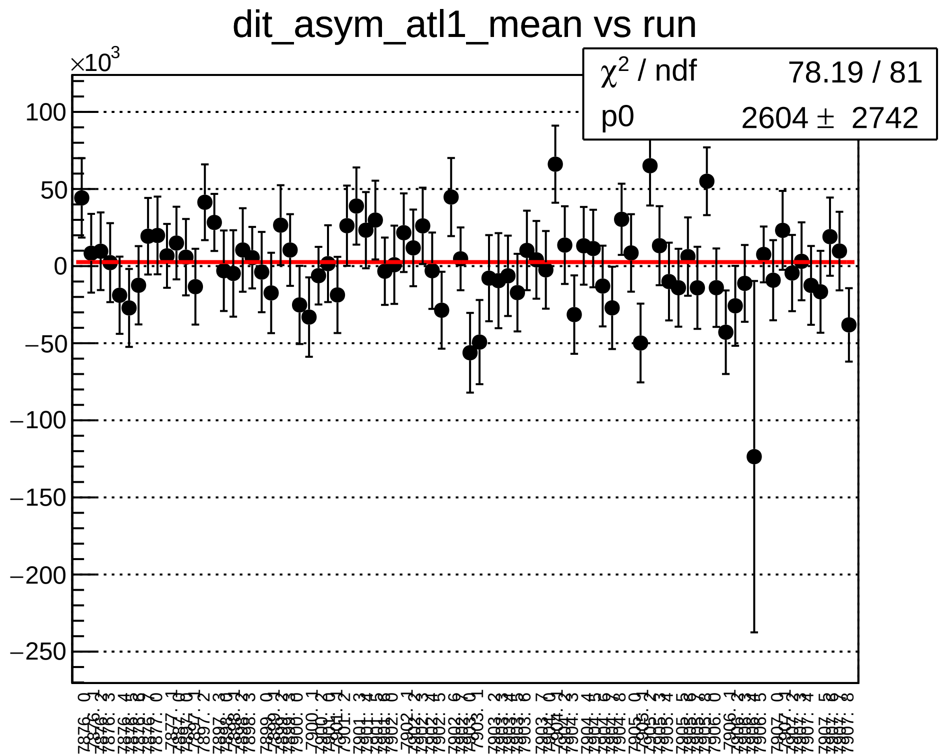


asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 75.67 / 81
p0 3020 ± 2027
pull
Entries 82
Mean −56.41
Std Dev 76.05
pull1D
Entries 82
Mean −0.01473
Std Dev 0.9605

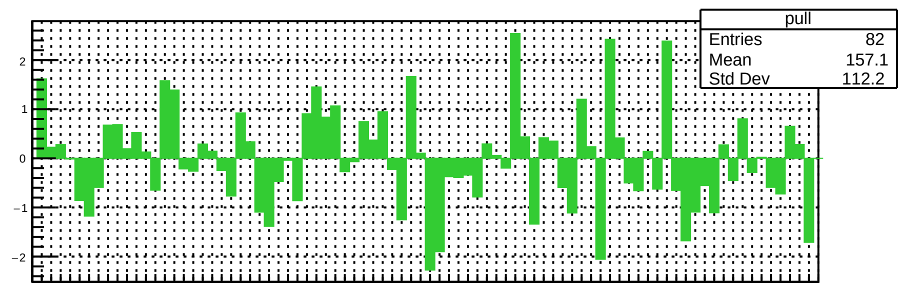

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ2 / ndf 1.075e+04 / 81
p0 1802 ± 1.433
2300
2200
2100
2000
1900
1800
1700
1600
1500


asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ^2 / ndf 87.8 / 81
p0 −2613 ± 2450
100
50
0
−50
−100
pull
Entries 82
Mean 138.7
Std Dev 145.8
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.004259
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

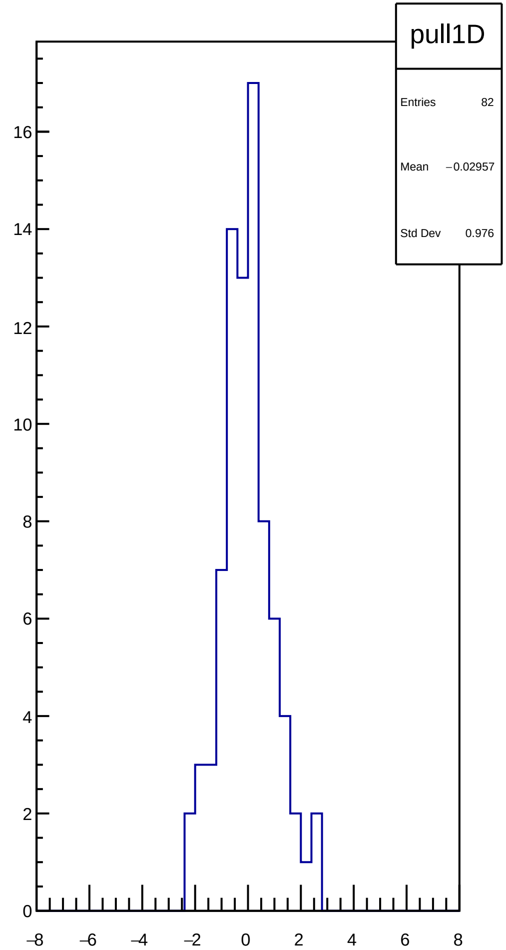

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 8534 / 81
p0 2180 ± 1.733
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800



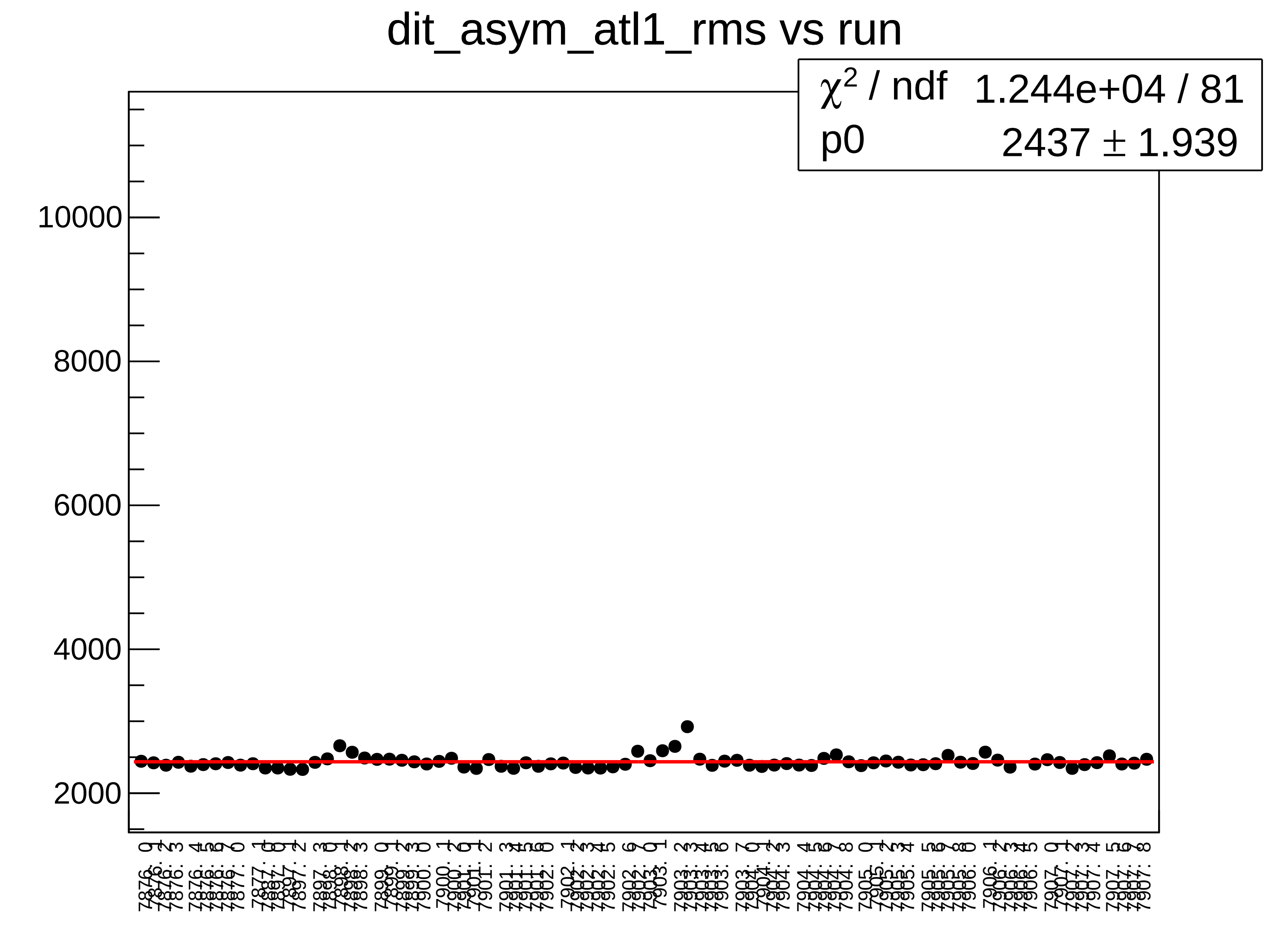
dit_asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 78.19 / 81
p0 2604 ± 2742

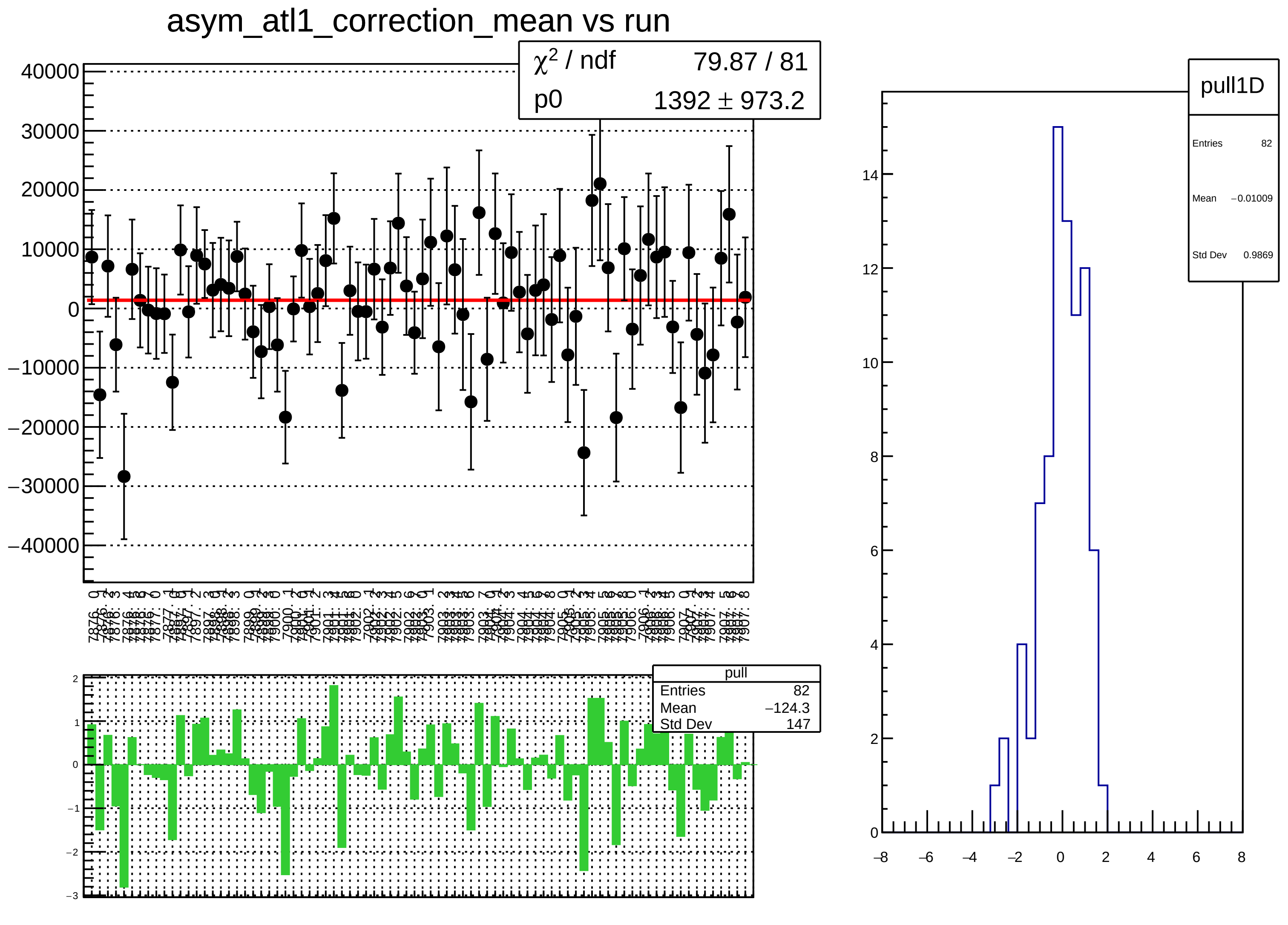


pull
Entries 82
Mean 157.1
Std Dev 112.2

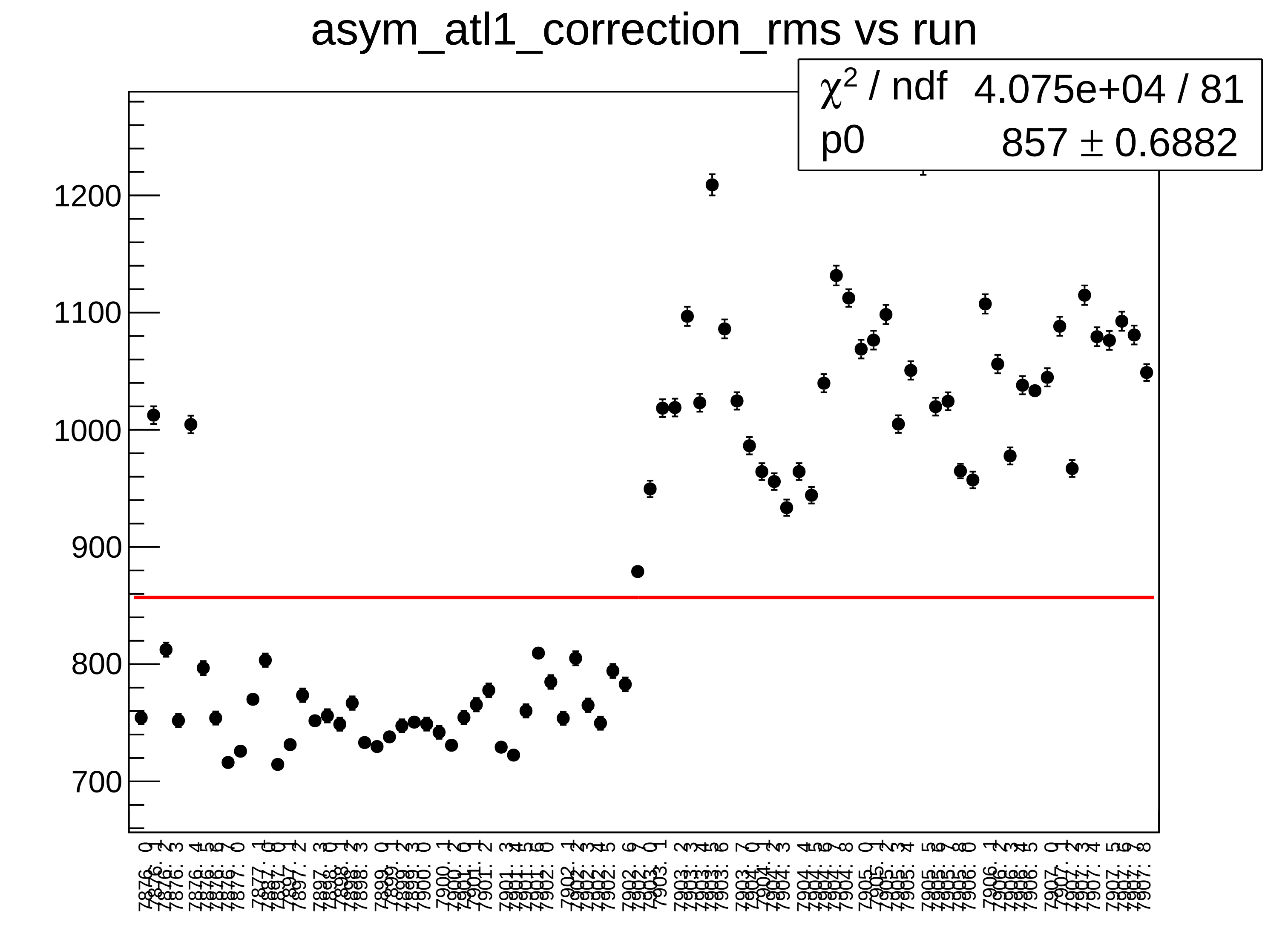


pull1D
Entries 82
Mean −0.02957
Std Dev 0.976

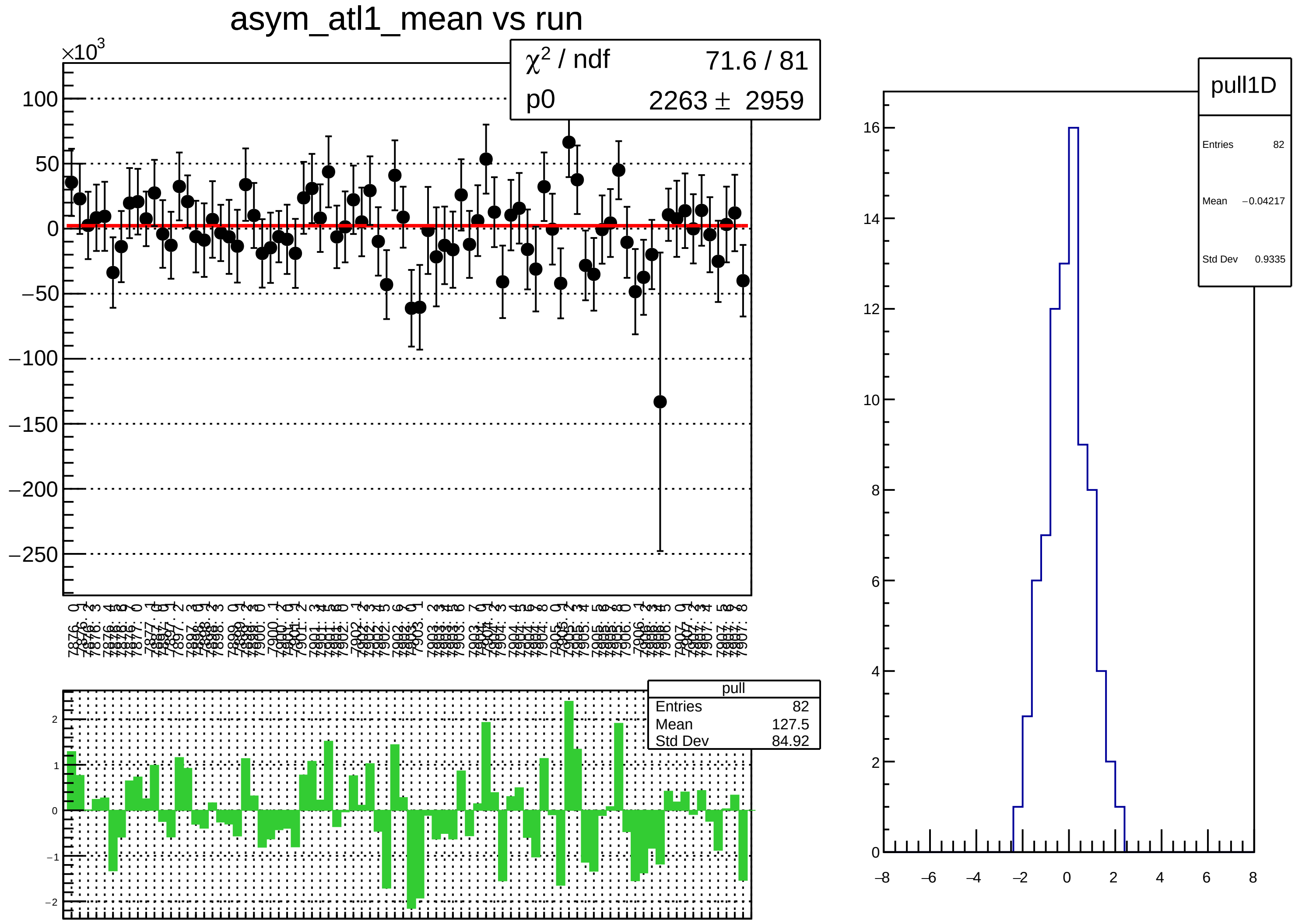

dit_asym_atl1_rms vs run
χ^2 / ndf 1.244e+04 / 81
p0 2437 ± 1.939
10000
8000
6000
4000
2000



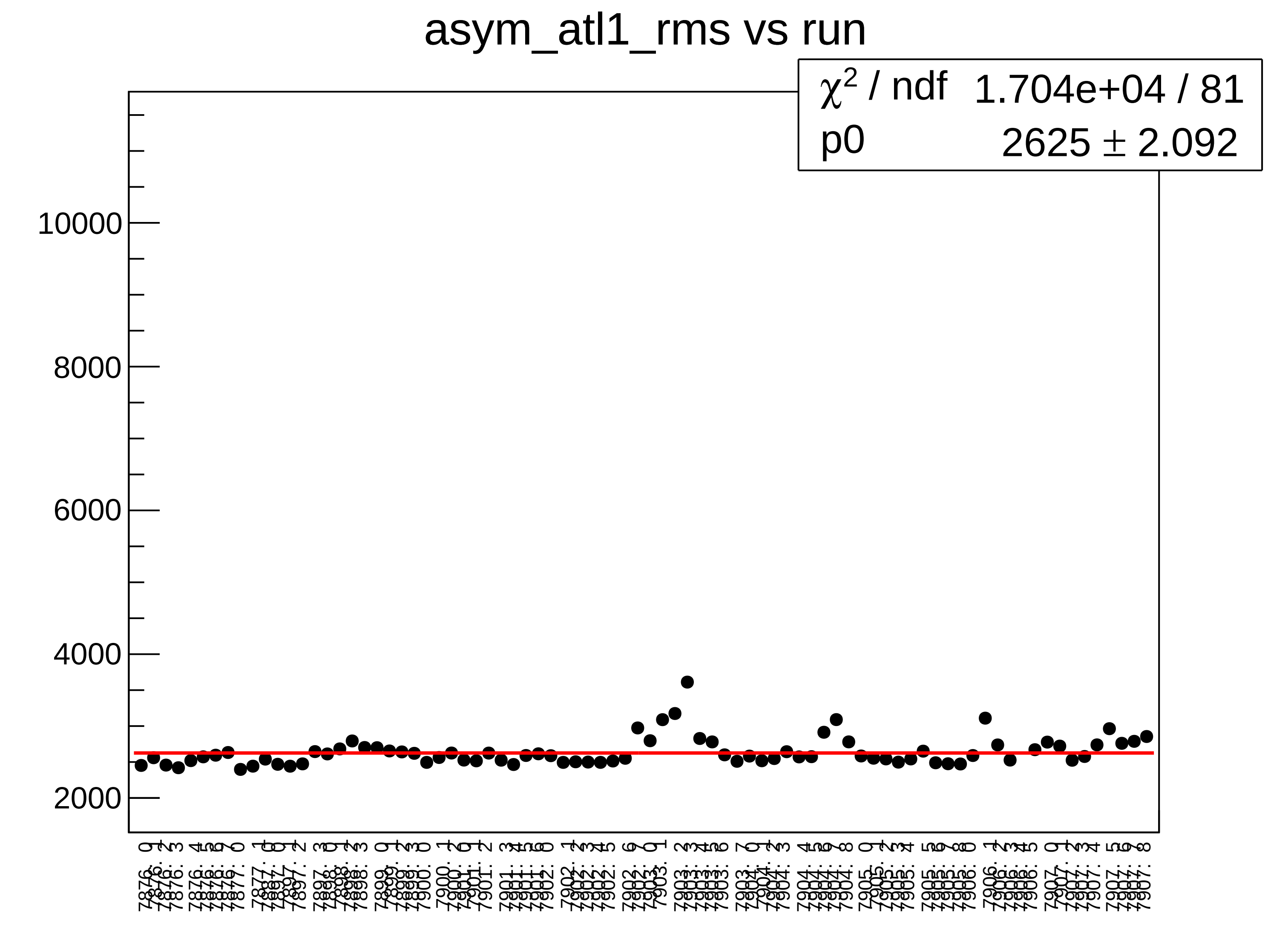
asym_atl1_correction_mean vs run
χ2 / ndf 79.87 / 81
p0 1392 ± 973.2
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −124.3
Std Dev 147
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01009
Std Dev 0.9869
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8



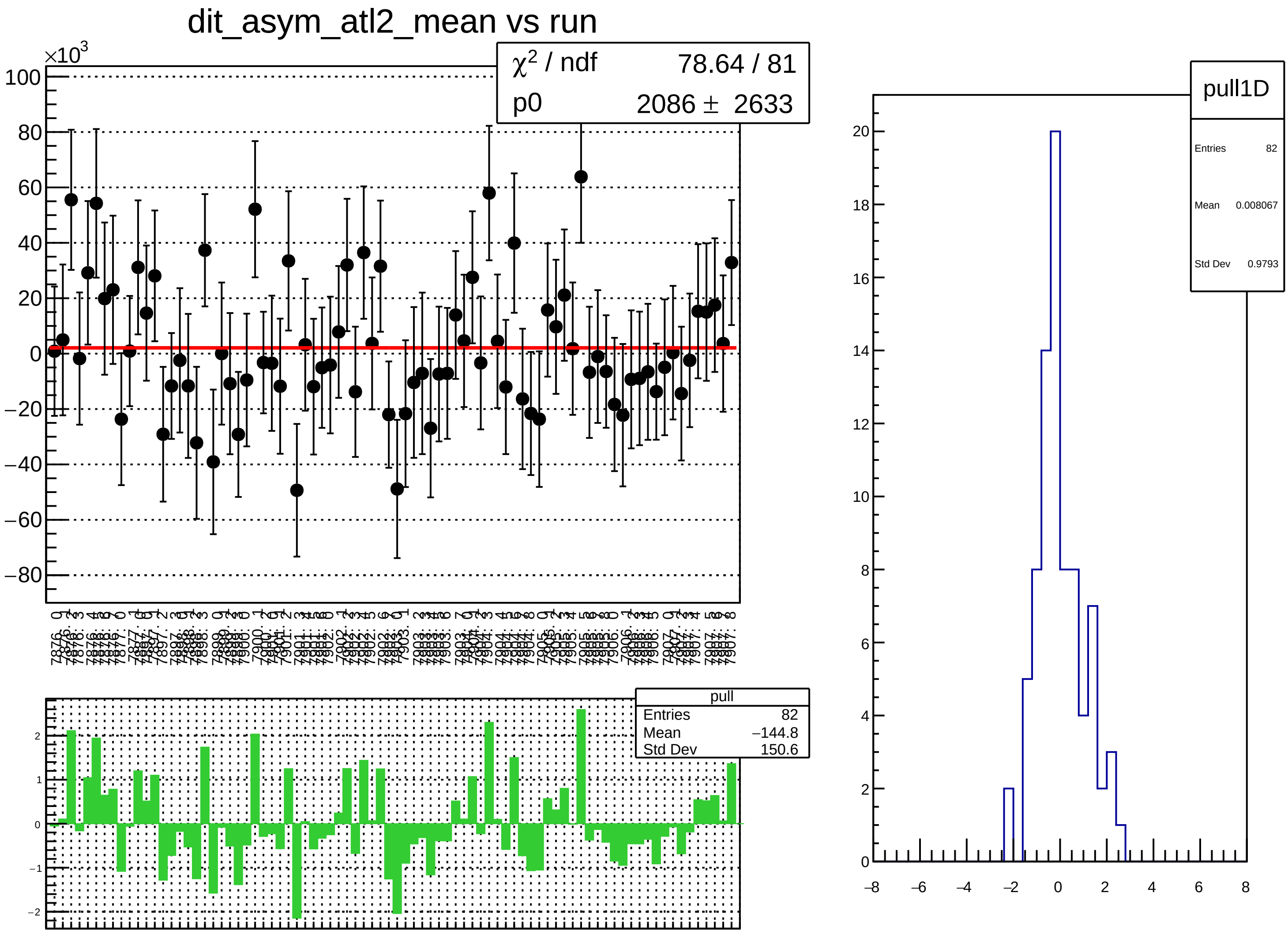
asym_atl1_correction_rms vs run
χ^2 / ndf 4.075e+04 / 81
p0 857 ± 0.6882
1200
1100
1000
900
800
700



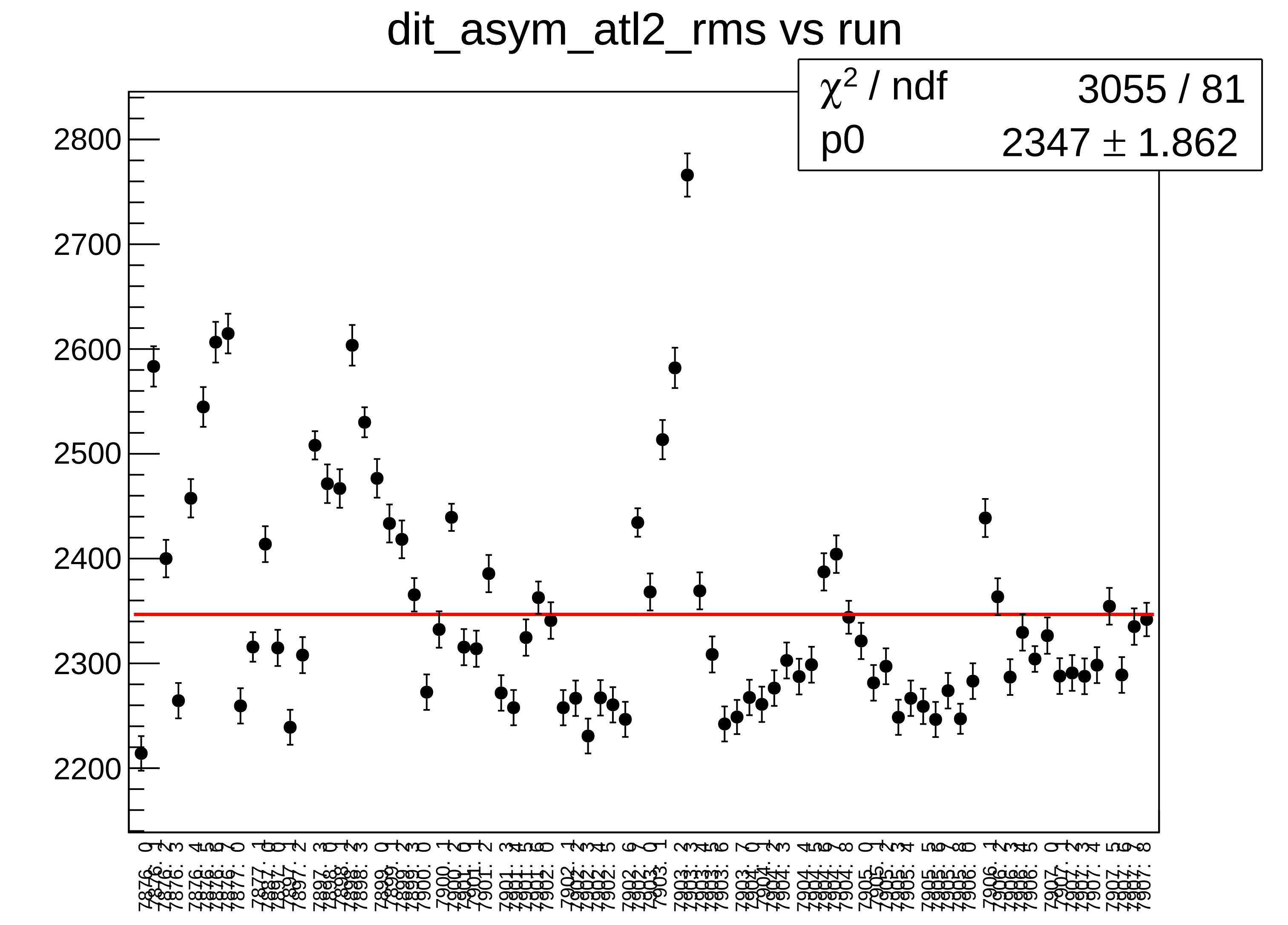
asym_atl1_mean vs run
$\times 10^3$
χ^2 / ndf 71.6 / 81
p0 2263 ± 2959
pull
Entries 82
Mean 127.5
Std Dev 84.92
pull1D
Entries 82
Mean −0.04217
Std Dev 0.9335



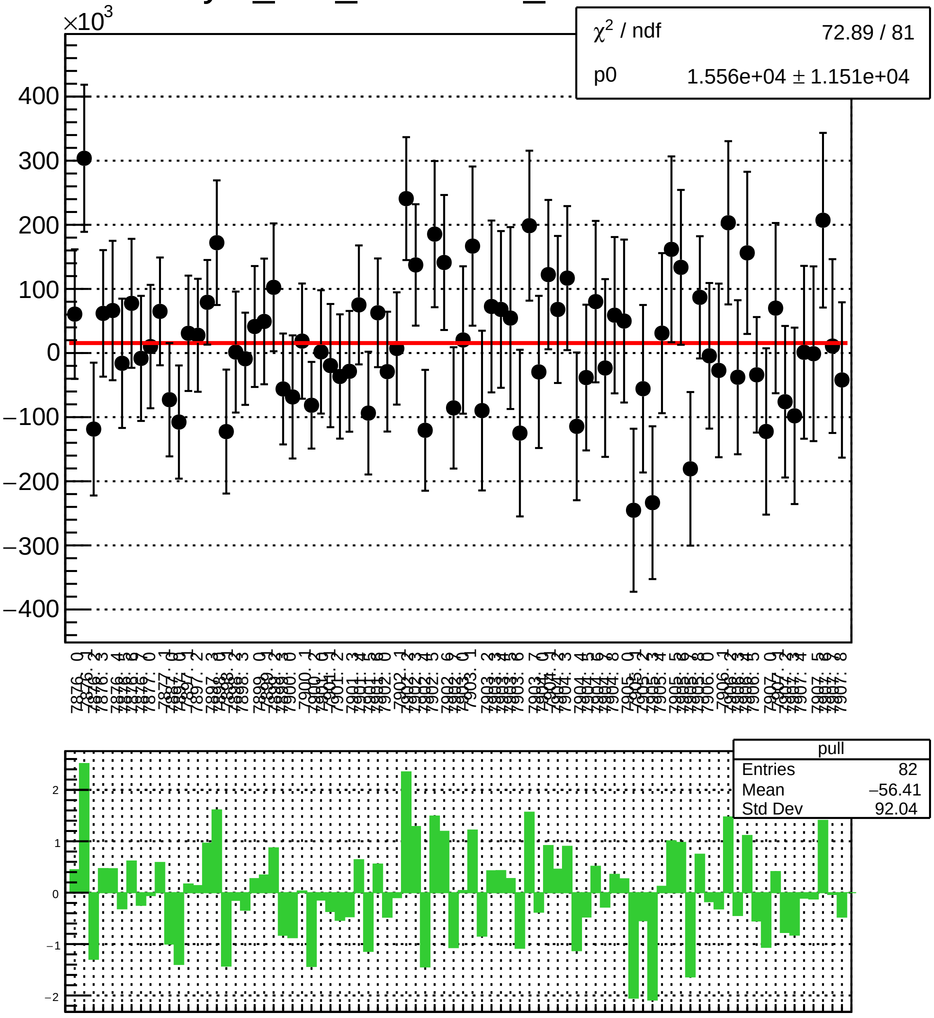
asym_atl1_rms vs run
χ^2 / ndf 1.704e+04 / 81
p0 2625 ± 2.092
10000
8000
6000
4000
2000

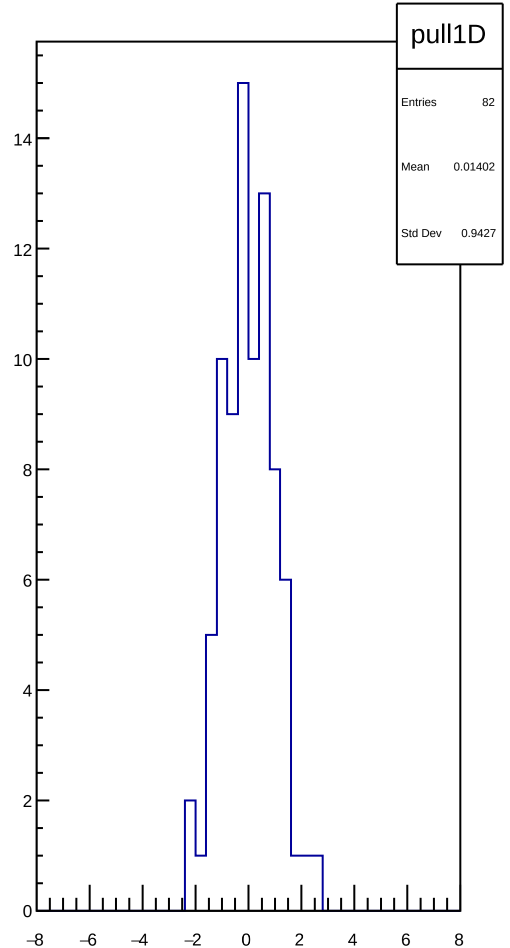


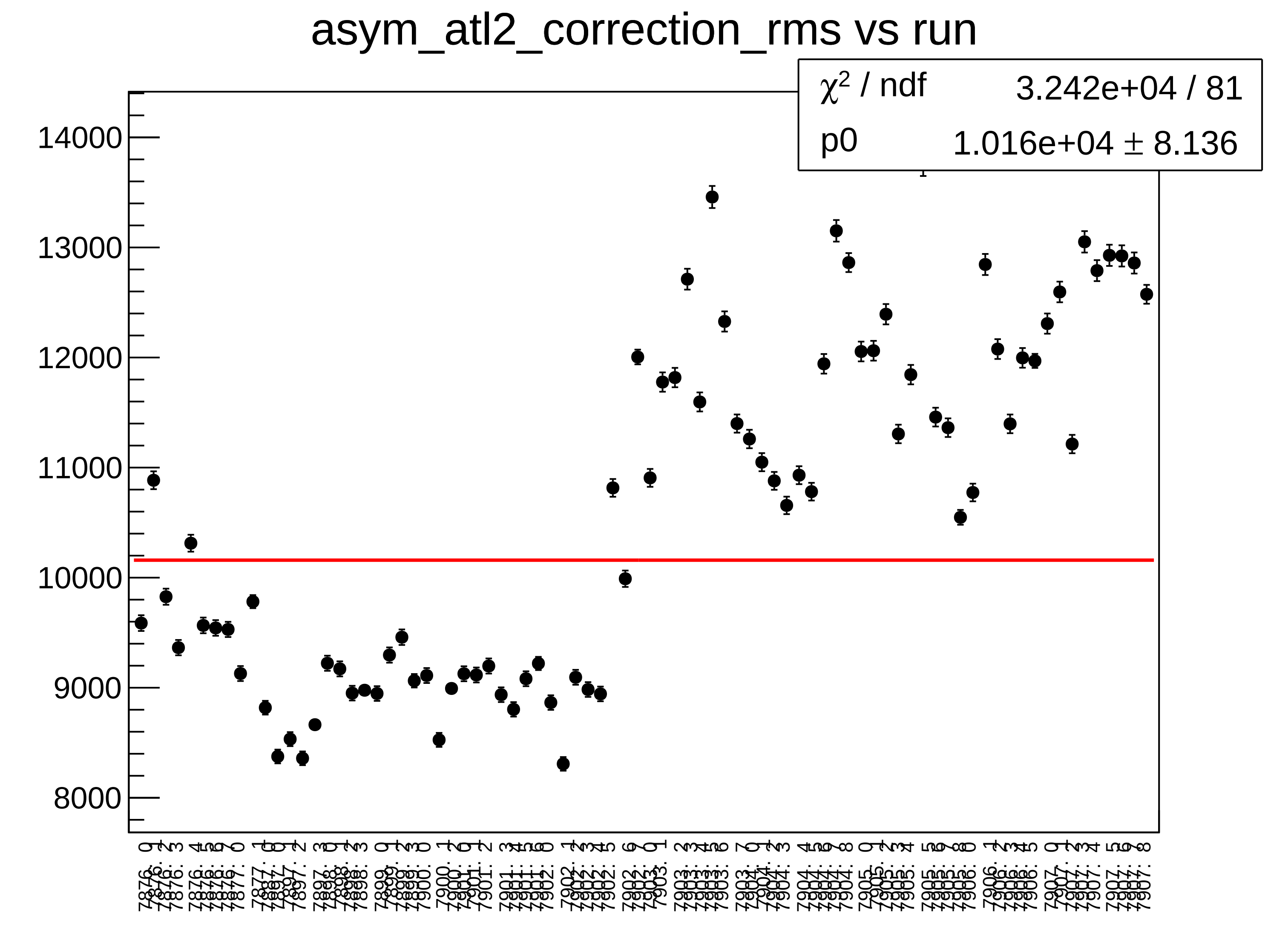
dit_asym_atl2_mean vs run
$\times10^3$
χ^2 / ndf 78.64 / 81
p0 2086 ± 2633
pull
Entries 82
Mean −144.8
Std Dev 150.6
pull1D
Entries 82
Mean 0.008067
Std Dev 0.9793


dit_asym_atl2_rms vs run
χ2 / ndf 3055 / 81
p0 2347 ± 1.862
2800
2700
2600
2500
2400
2300
2200

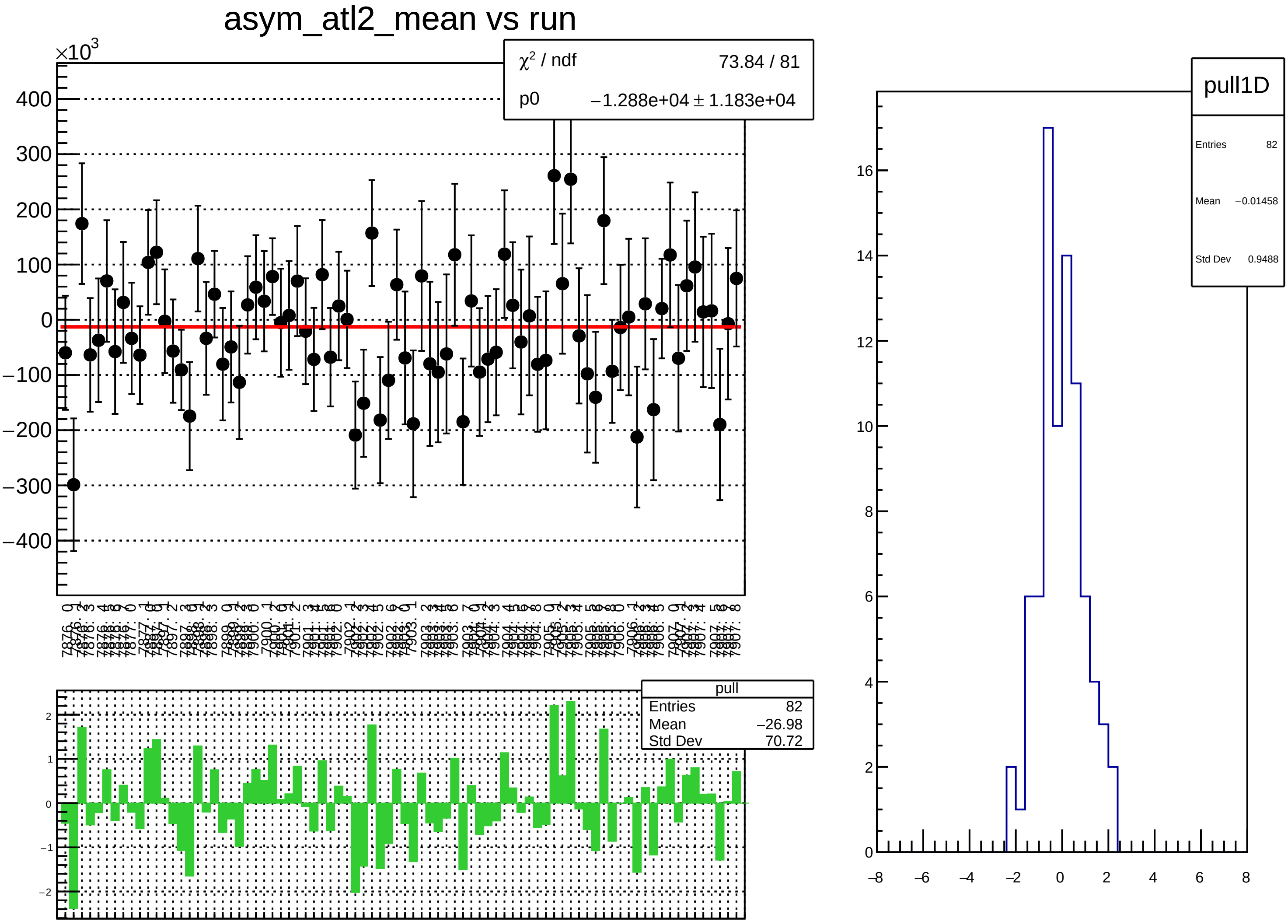
asym_atl2_correction_mean vs run

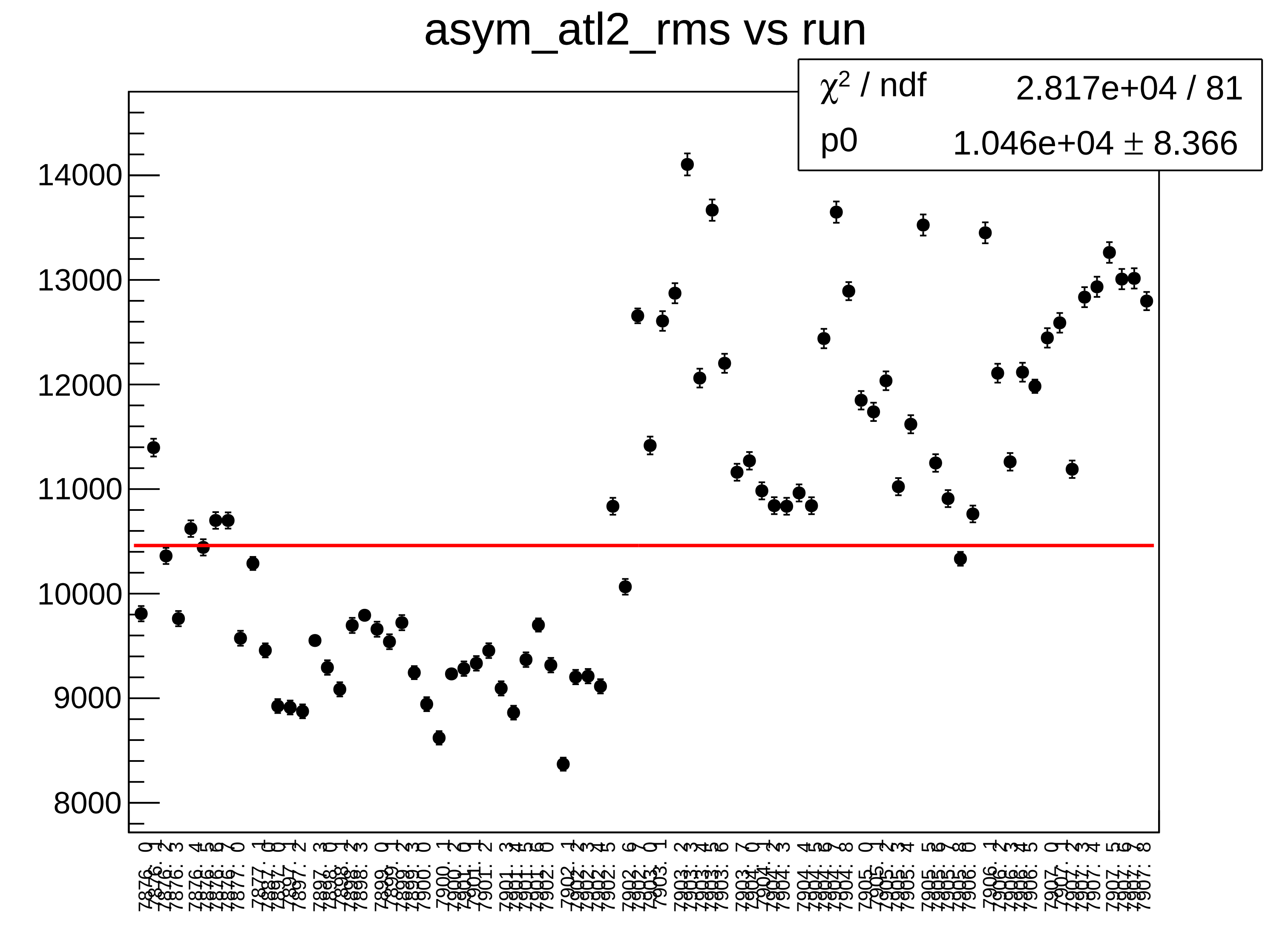




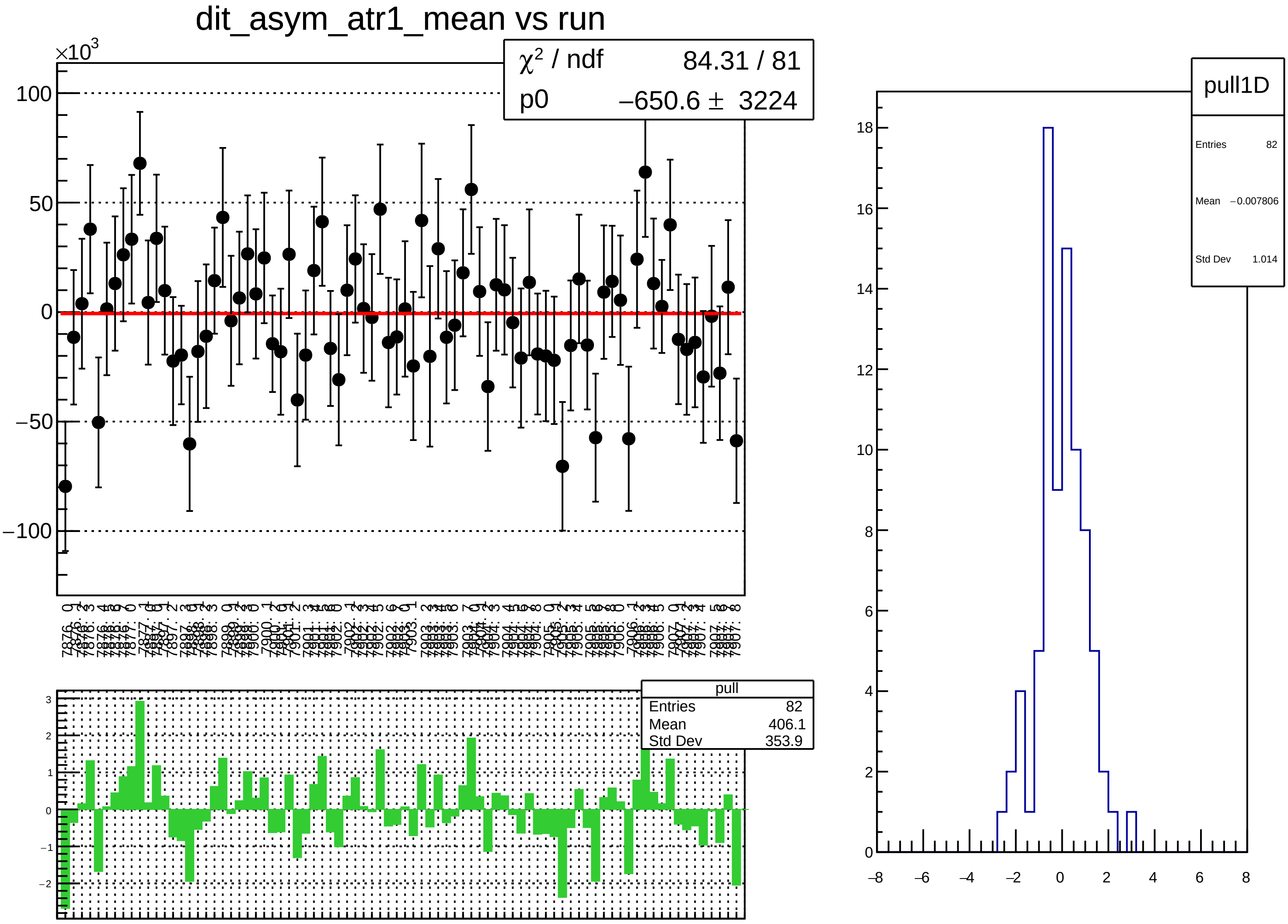


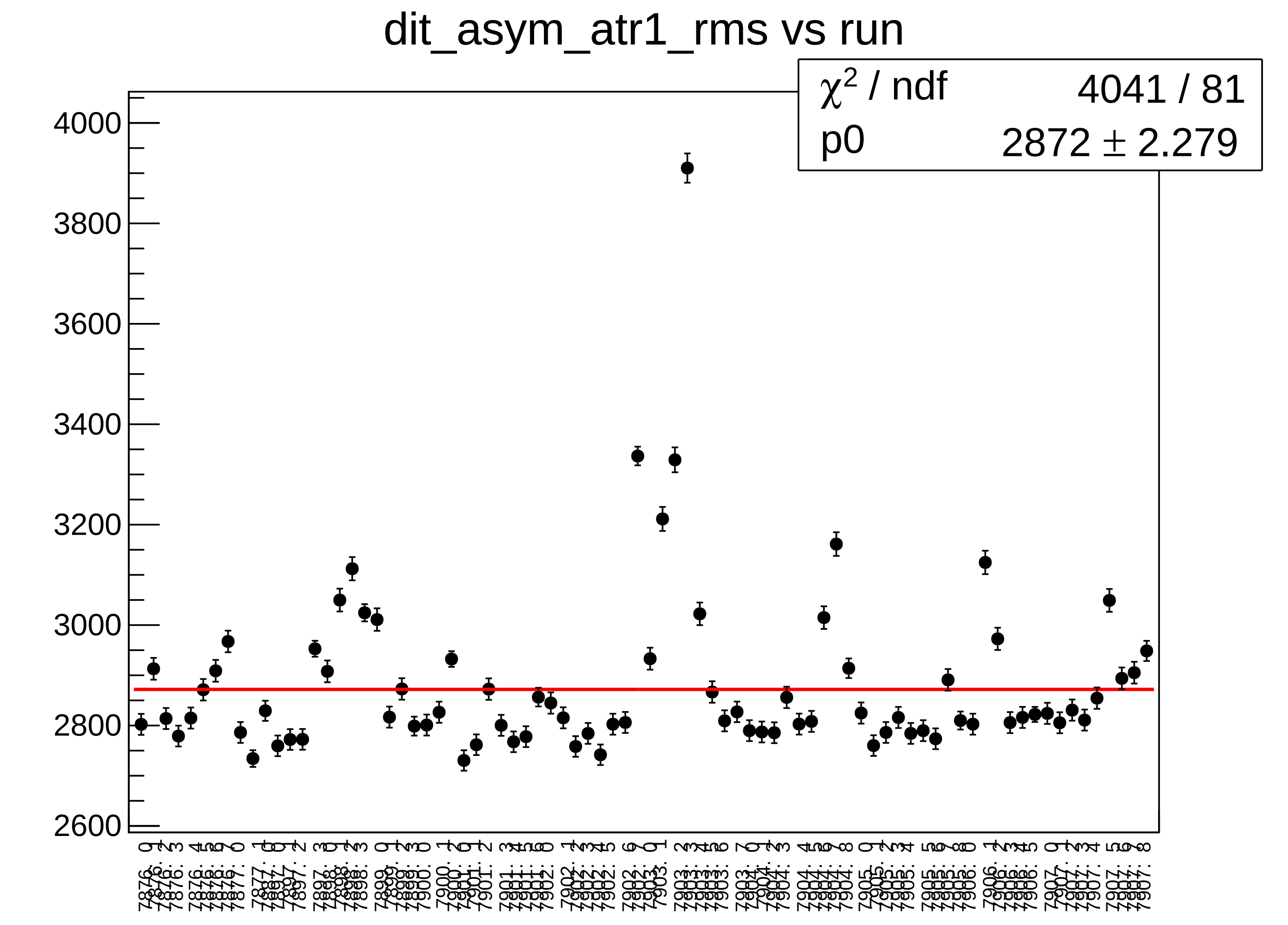
asym_atl2_correction_rms vs run
χ2 / ndf 3.242e+04 / 81
p0 1.016e+04 ± 8.136
14000
13000
12000
11000
10000
9000
8000


asym_atl2_mean vs run
×10^3
χ2 / ndf 73.84 / 81
p0 −1.288e+04 ± 1.183e+04
pull
Entries 82
Mean −26.98
Std Dev 70.72
pull1D
Entries 82
Mean −0.01458
Std Dev 0.9488

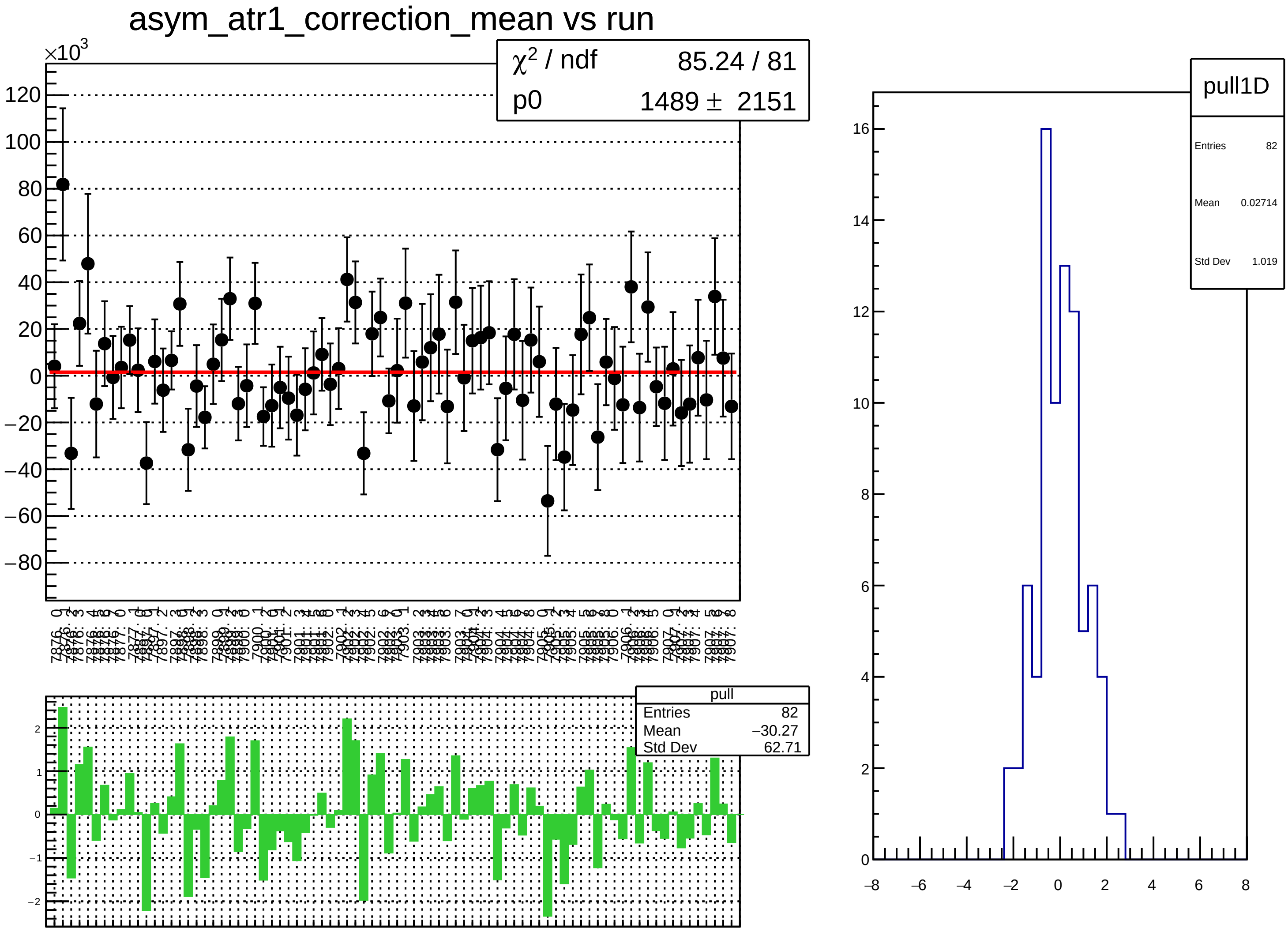


asym_atl2_rms vs run
χ^2 / ndf 2.817e+04 / 81
p0 1.046e+04 ± 8.366
14000
13000
12000
11000
10000
9000
8000

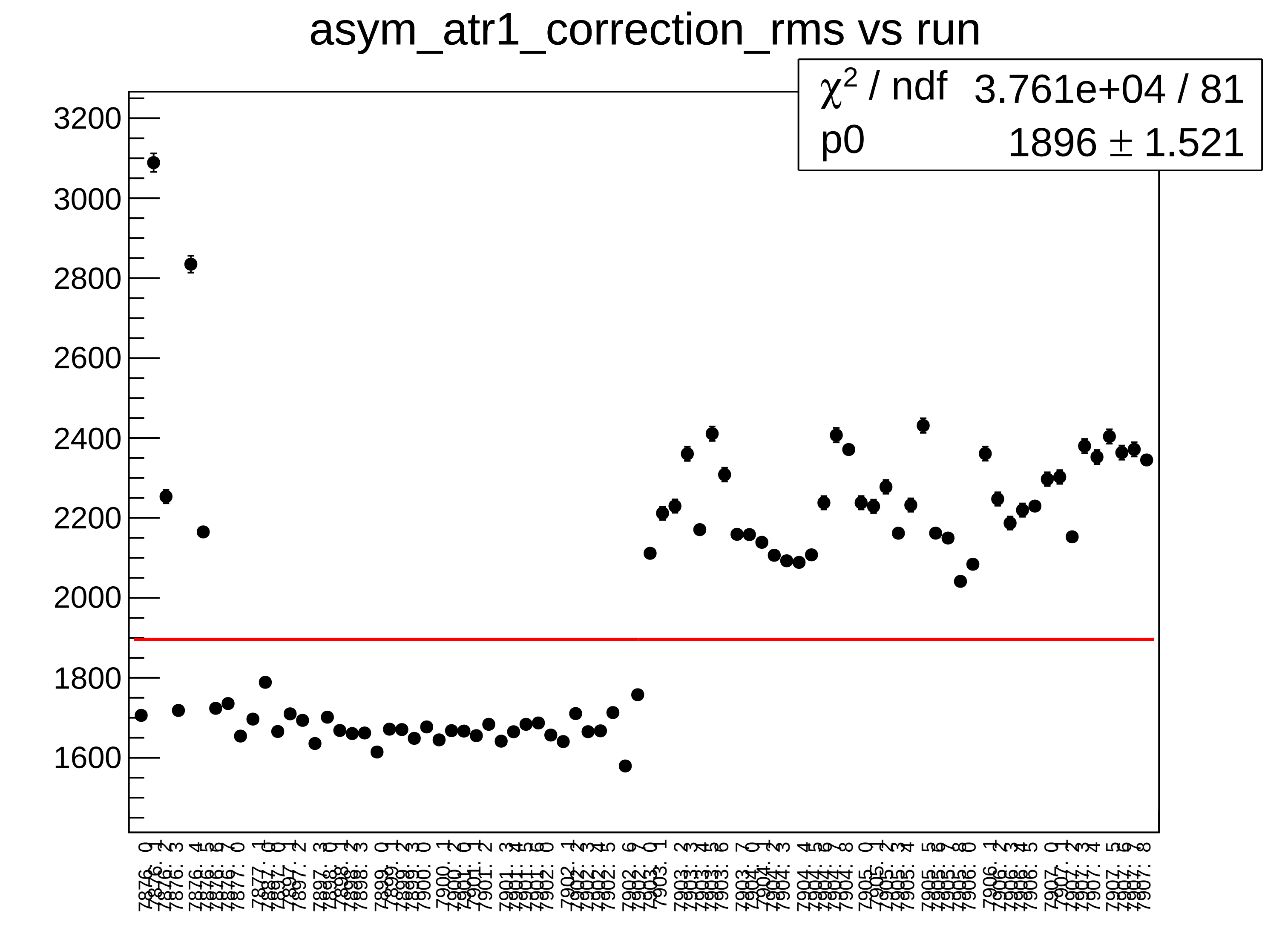

dit_asym_atr1_mean vs run
×10^3
χ2 / ndf 84.31 / 81
p0 −650.6 ± 3224
pull
Entries 82
Mean 406.1
Std Dev 353.9
pull1D
Entries 82
Mean −0.007806
Std Dev 1.014



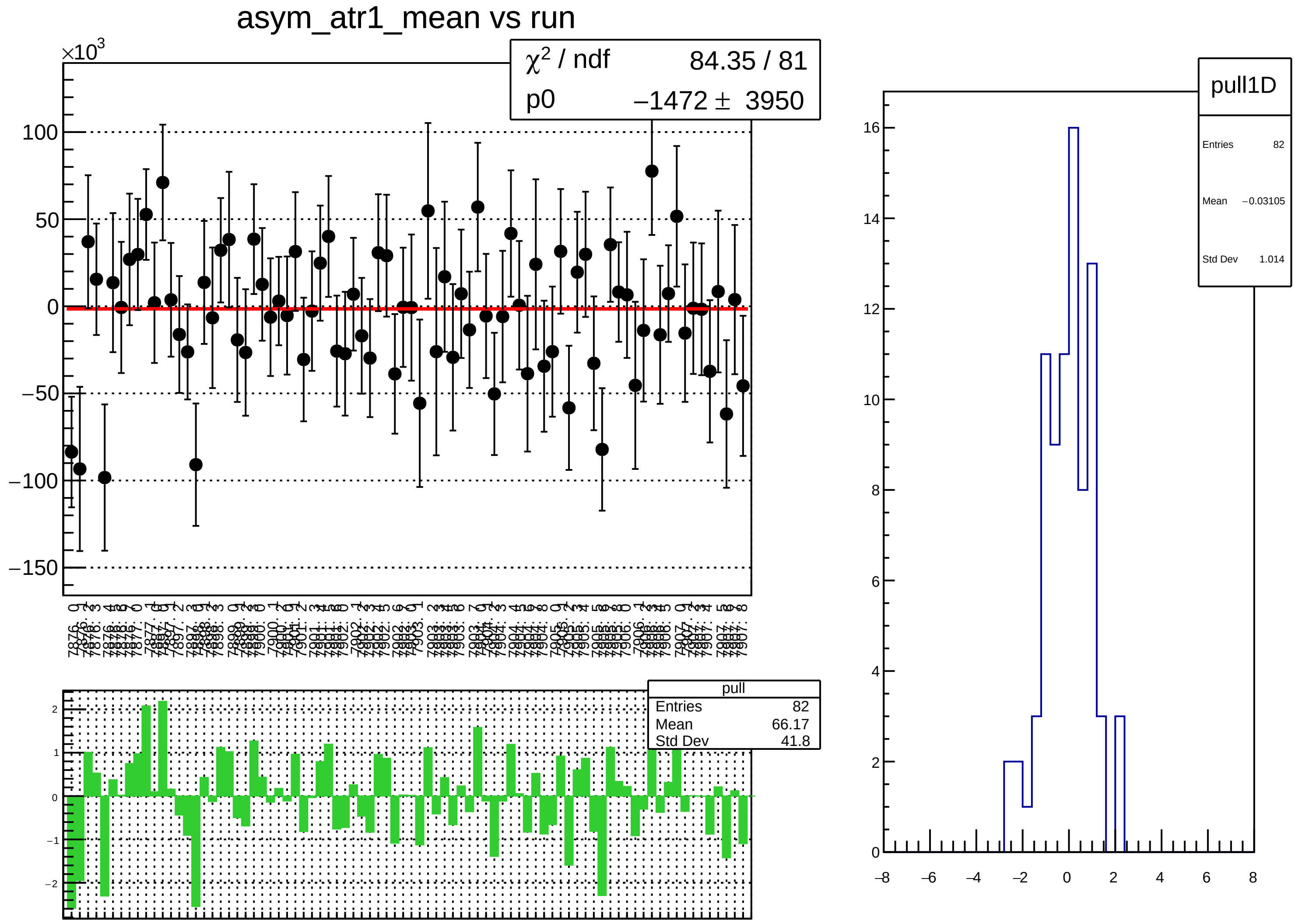
dit_asym_atr1_rms vs run
χ^2 / ndf 4041 / 81
p0 2872 ± 2.279
4000
3800
3600
3400
3200
3000
2800
2600



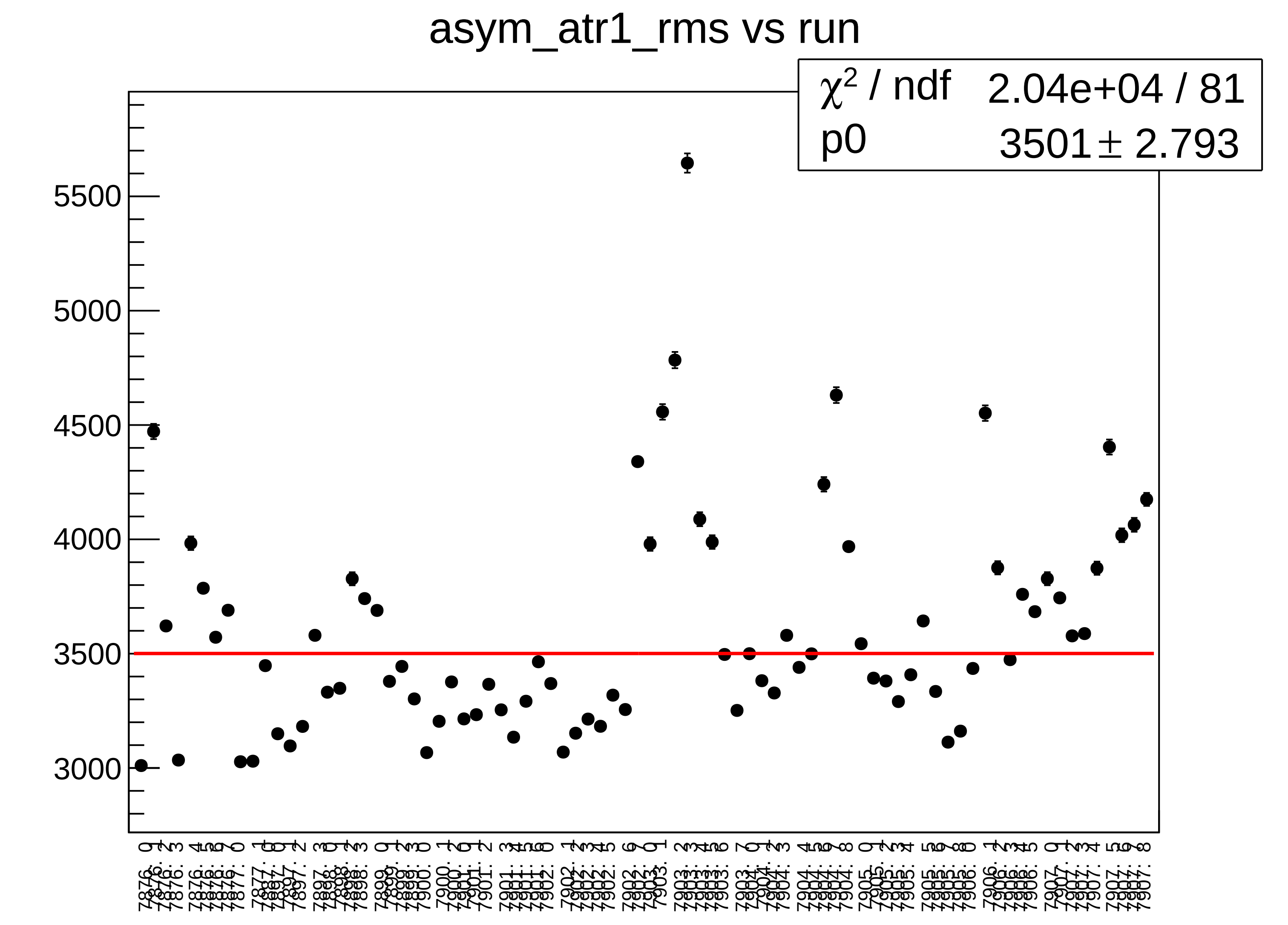
asym_atr1_correction_mean vs run
$\times10^3$
χ^2 / ndf 85.24 / 81
p0 1489 ± 2151
pull
Entries 82
Mean −30.27
Std Dev 62.71
pull1D
Entries 82
Mean 0.02714
Std Dev 1.019



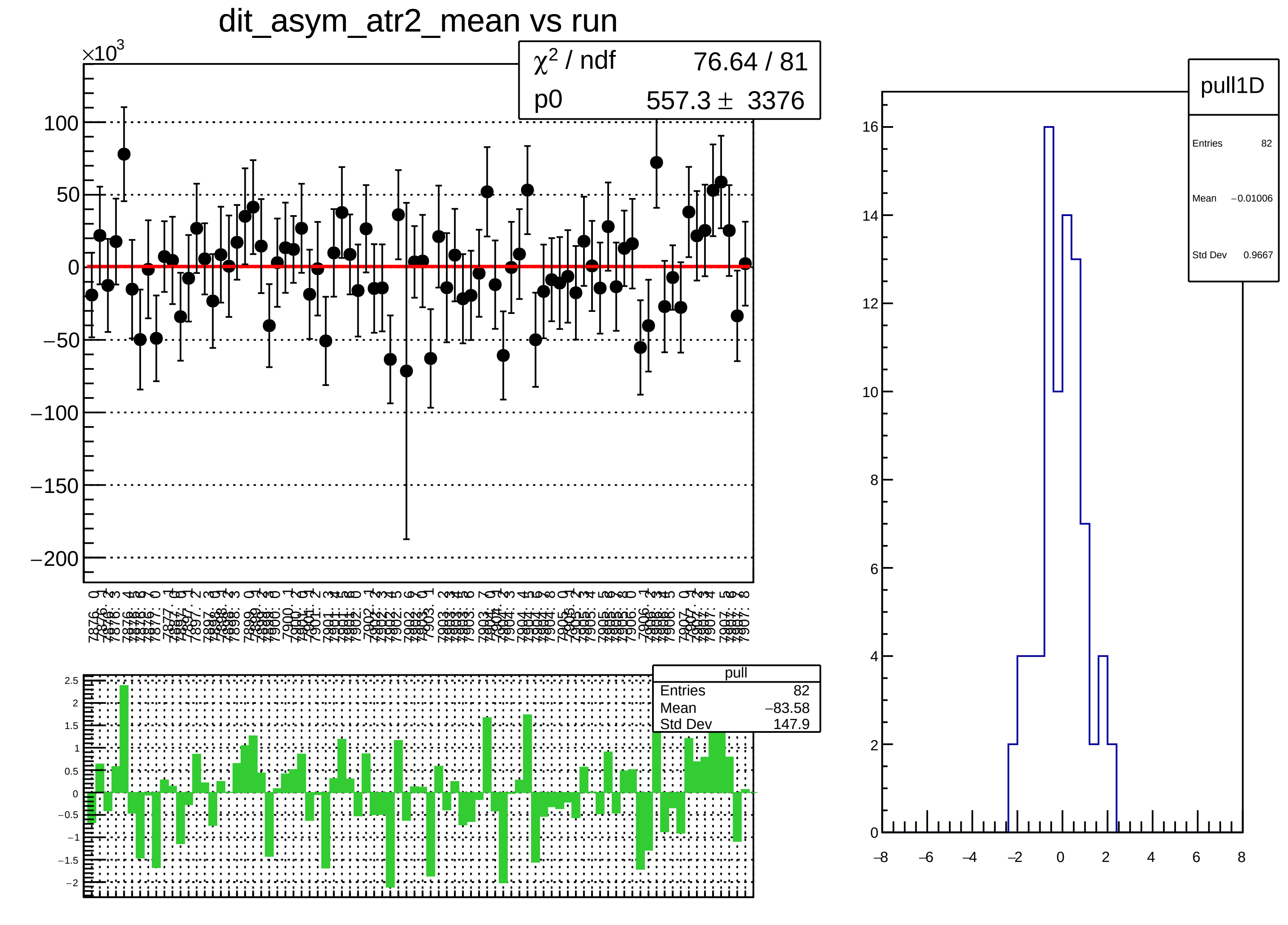
asym_atr1_correction_rms vs run
χ^2 / ndf 3.761e+04 / 81
p0 1896 ± 1.521
3200
3000
2800
2600
2400
2200
2000
1800
1600



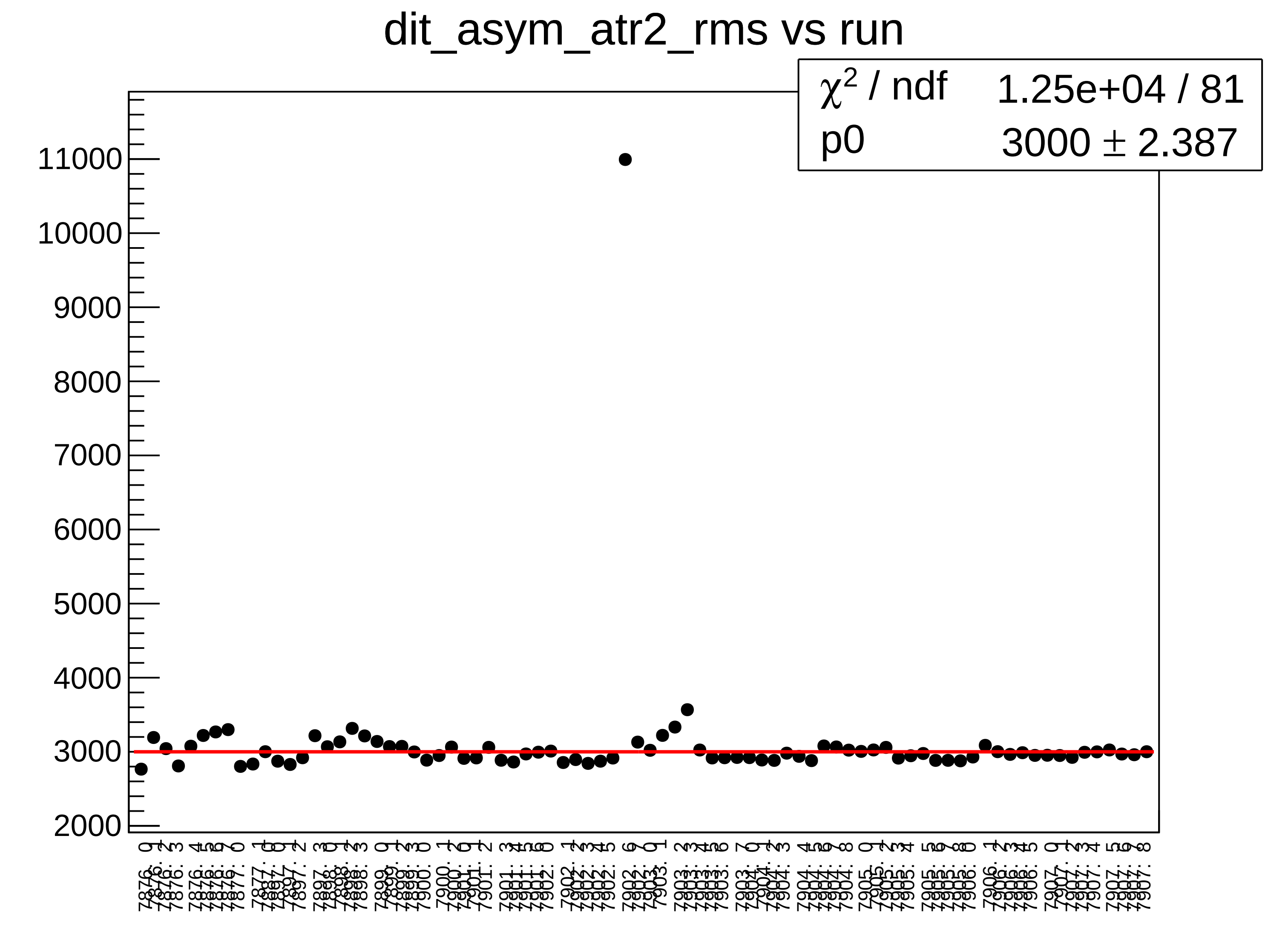
asym_atr1_mean vs run
×10^3
χ^2 / ndf 84.35 / 81
p0 −1472 ± 3950
100
50
0
−50
−100
−150
pull
Entries 82
Mean 66.17
Std Dev 41.8
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.03105
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

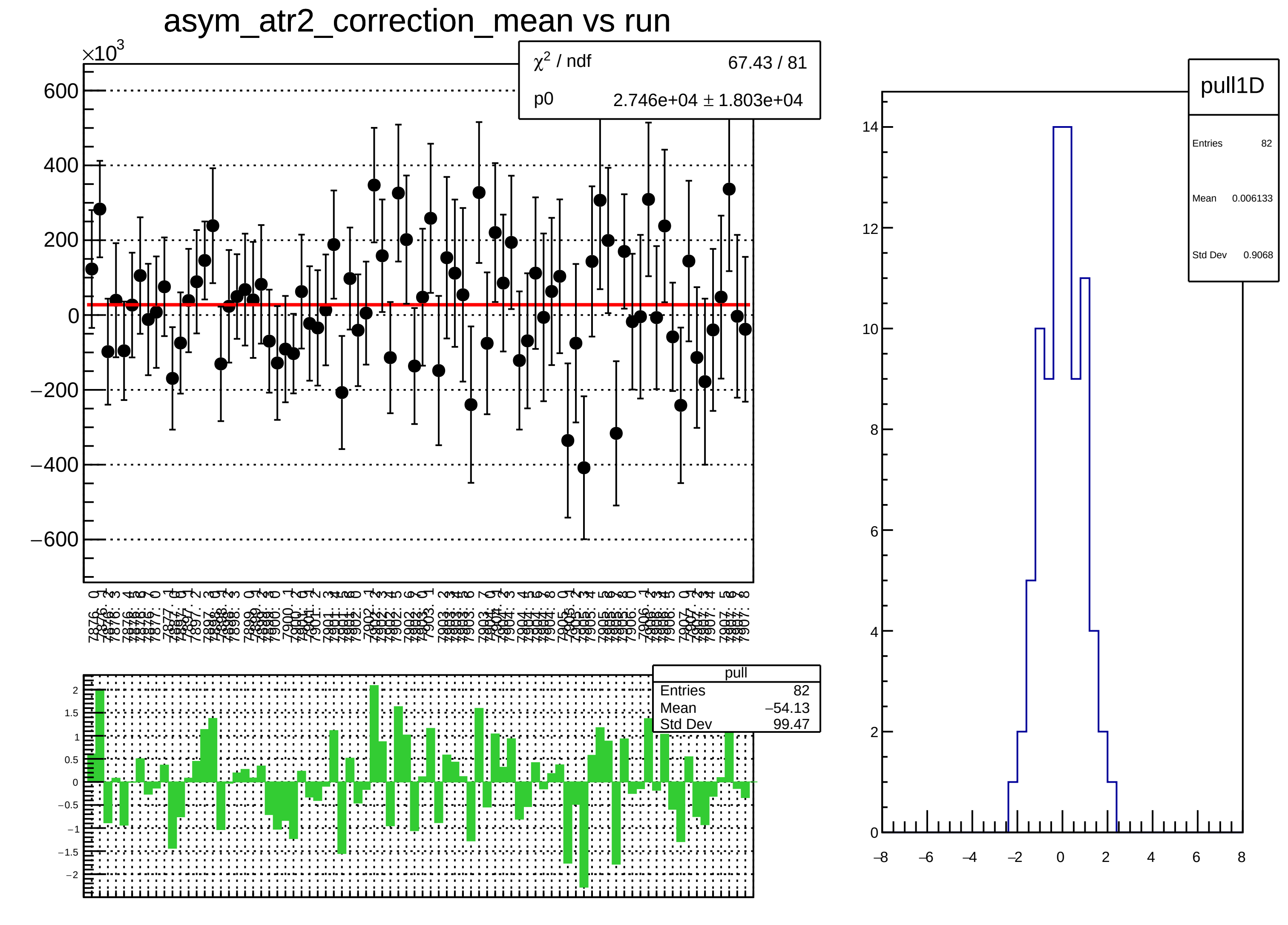


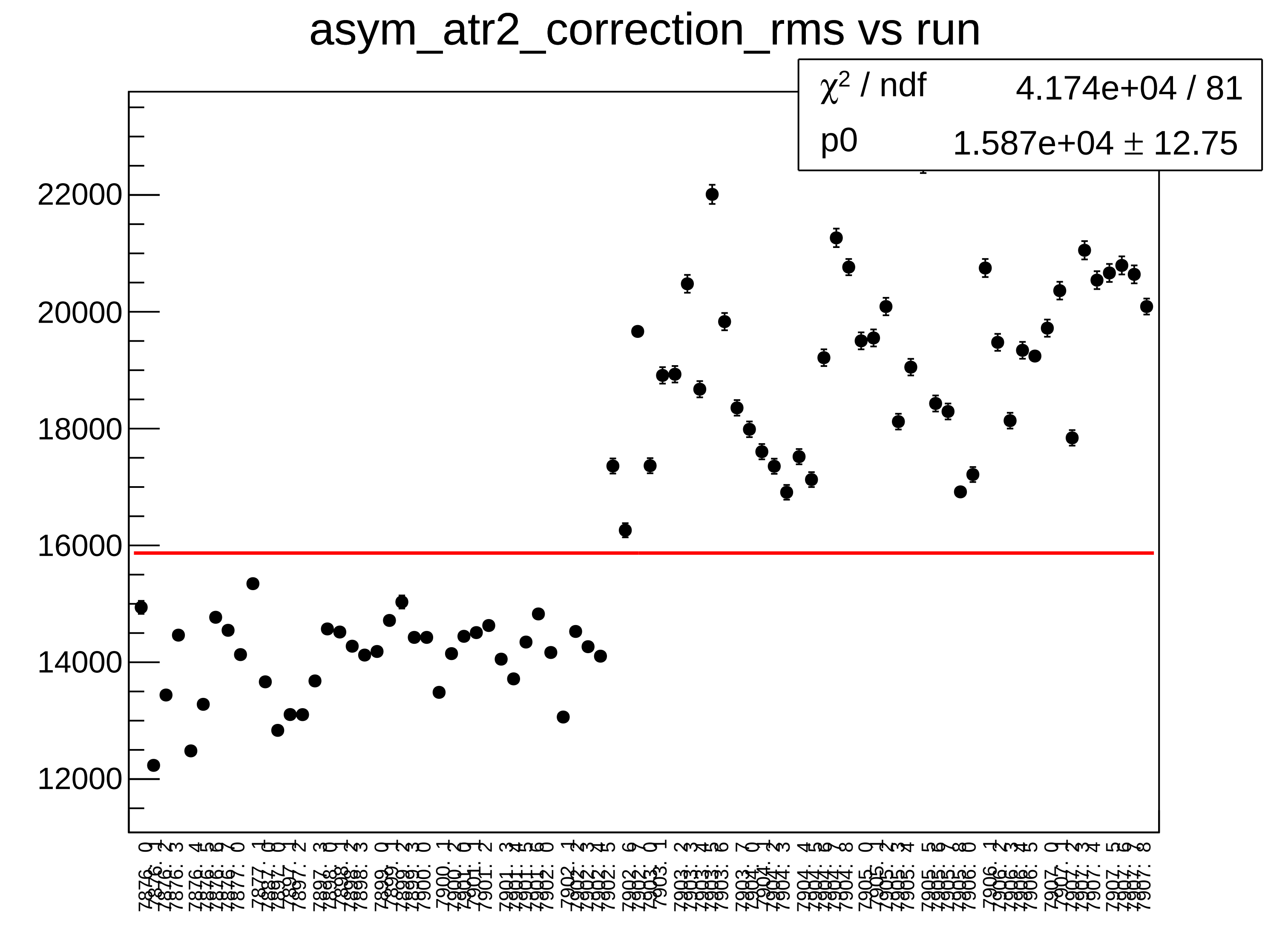
asym_atr1_rms vs run
χ^2 / ndf 2.04e+04 / 81
p0 3501 ± 2.793
5500
5000
4500
4000
3500
3000



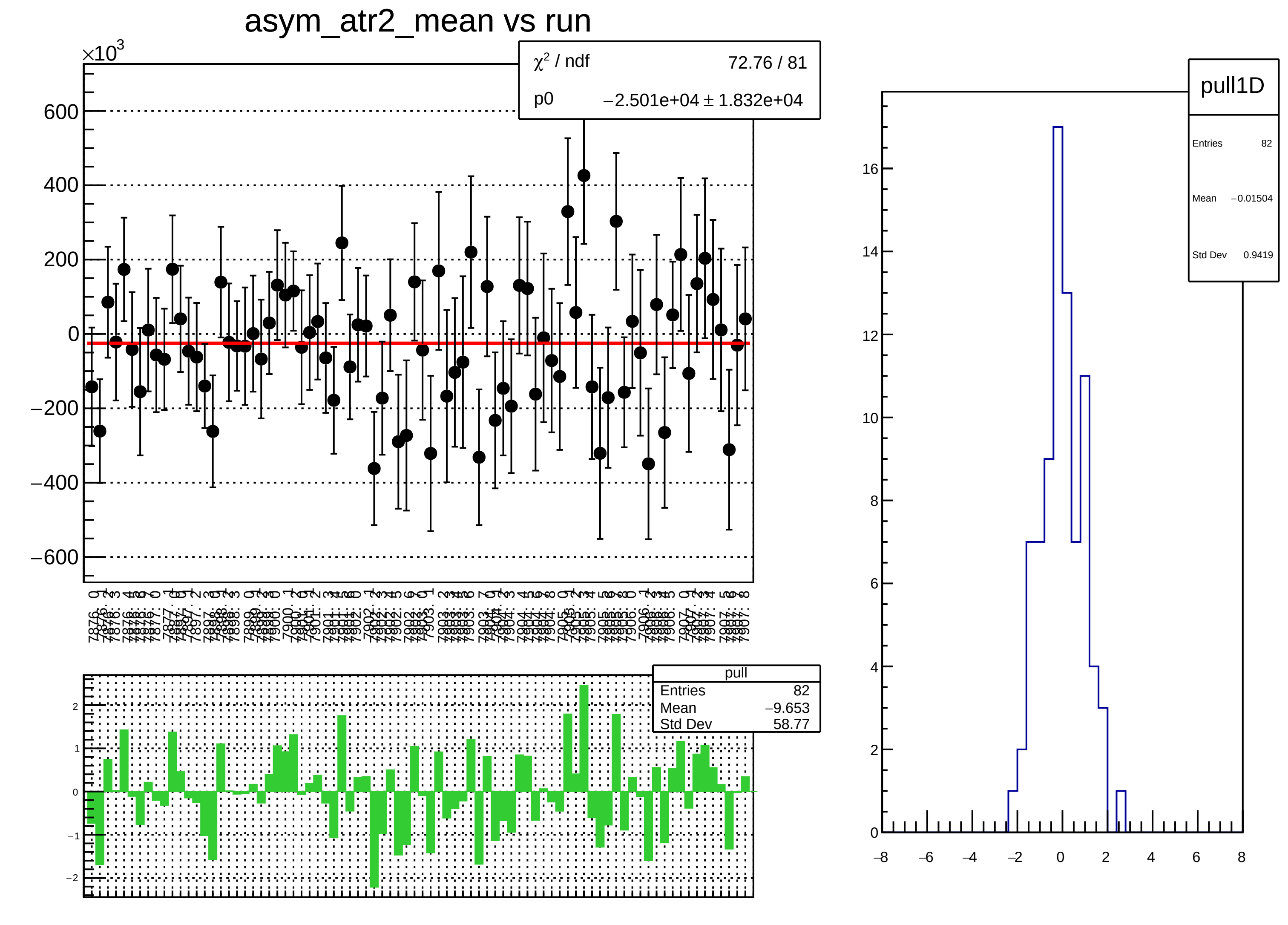
dit_asym_atr2_mean vs run
×10^3
χ2 / ndf 76.64 / 81
p0 557.3 ± 3376
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean −83.58
Std Dev 147.9
pull1D
Entries 82
Mean −0.01006
Std Dev 0.9667


dit_asym_atr2_rms vs run
χ^2 / ndf 1.25e+04 / 81
p0 3000 ± 2.387
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

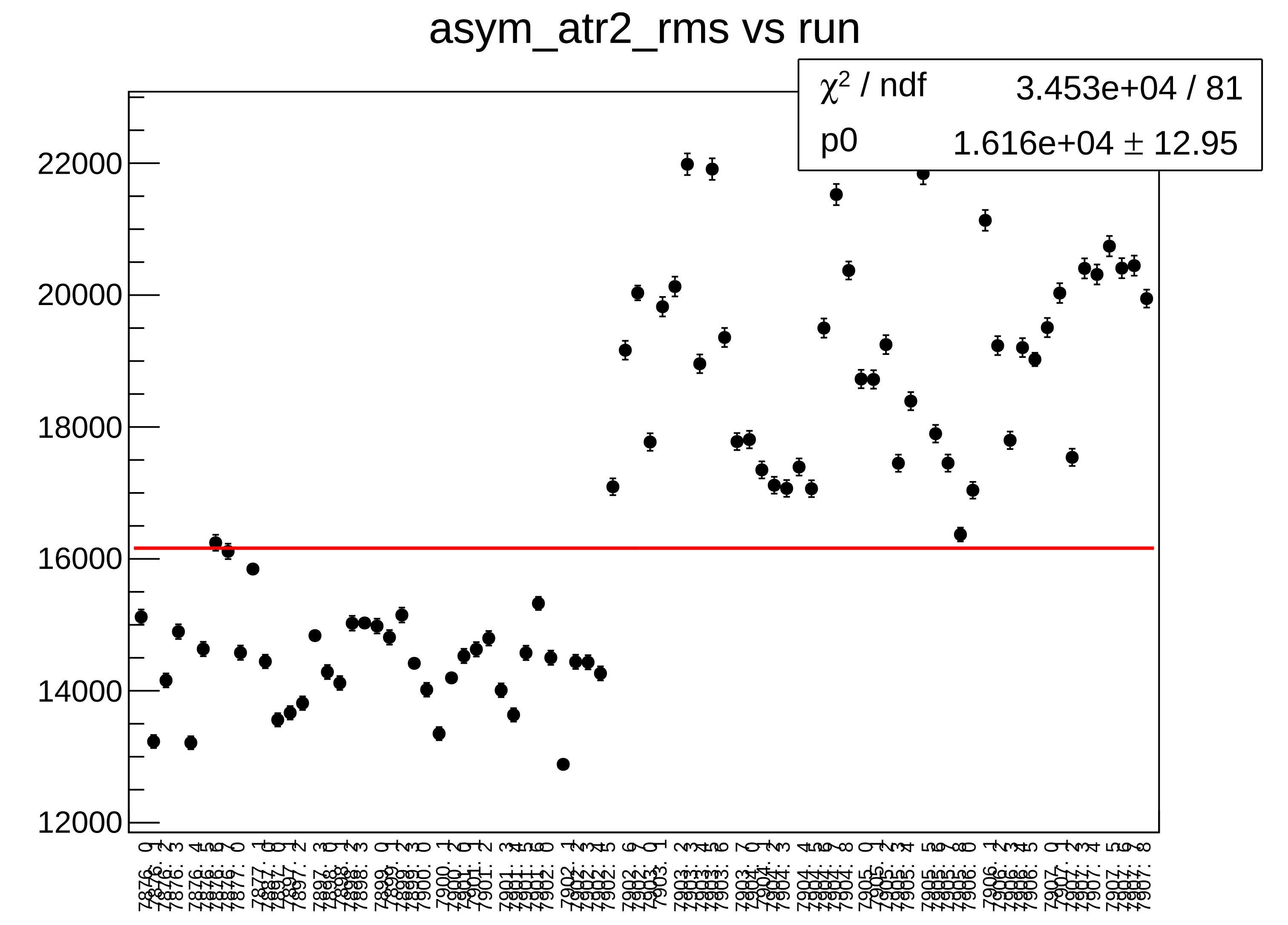

asym_atr2_correction_mean vs run
$\times 10^3$
χ^2 / ndf 67.43 / 81
p0 2.746e+04 ± 1.803e+04
pull
Entries 82
Mean −54.13
Std Dev 99.47
pull1D
Entries 82
Mean 0.006133
Std Dev 0.9068



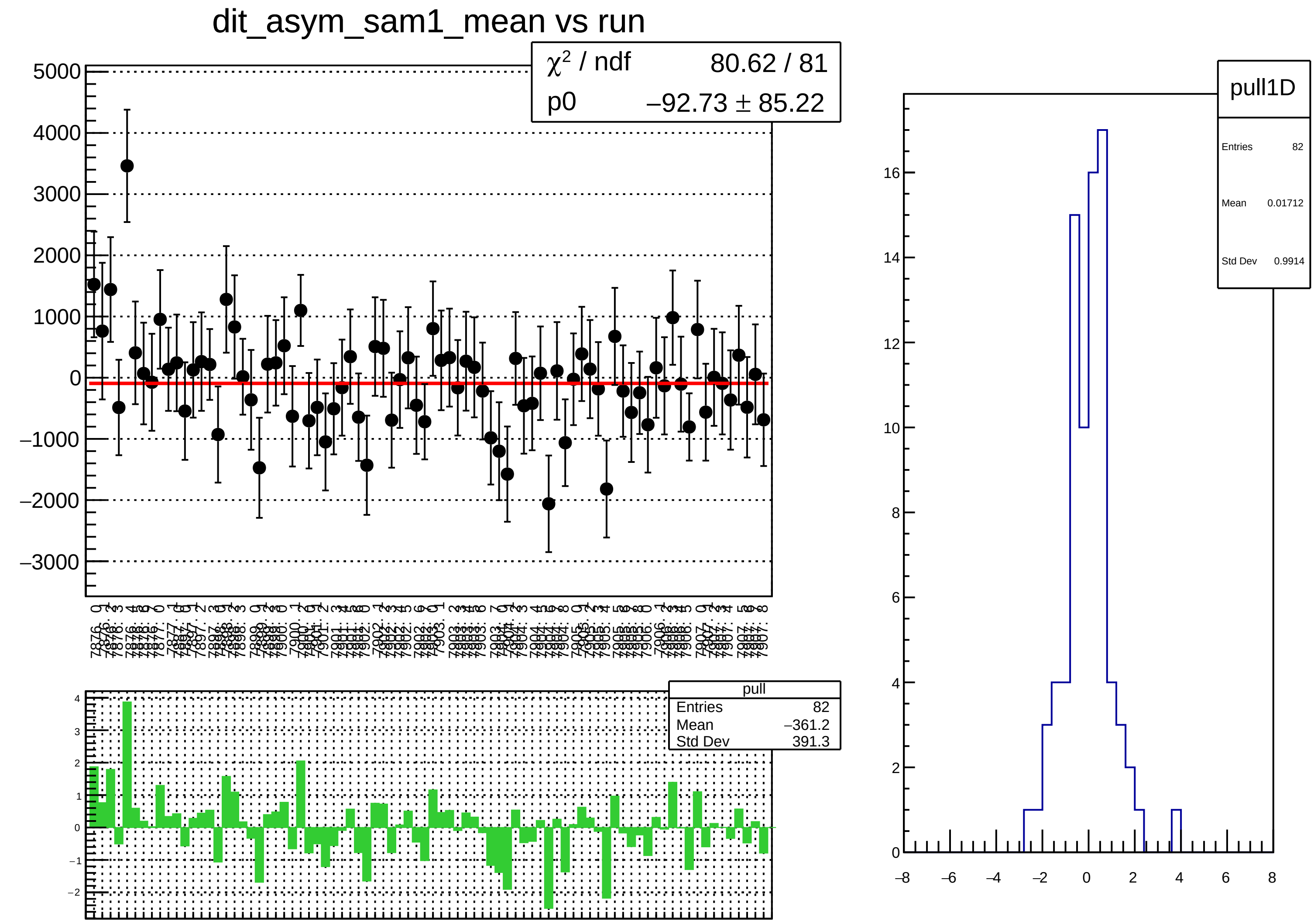
asym_atr2_correction_rms vs run
χ2 / ndf 4.174e+04 / 81
p0 1.587e+04 ± 12.75
22000
20000
18000
16000
14000
12000

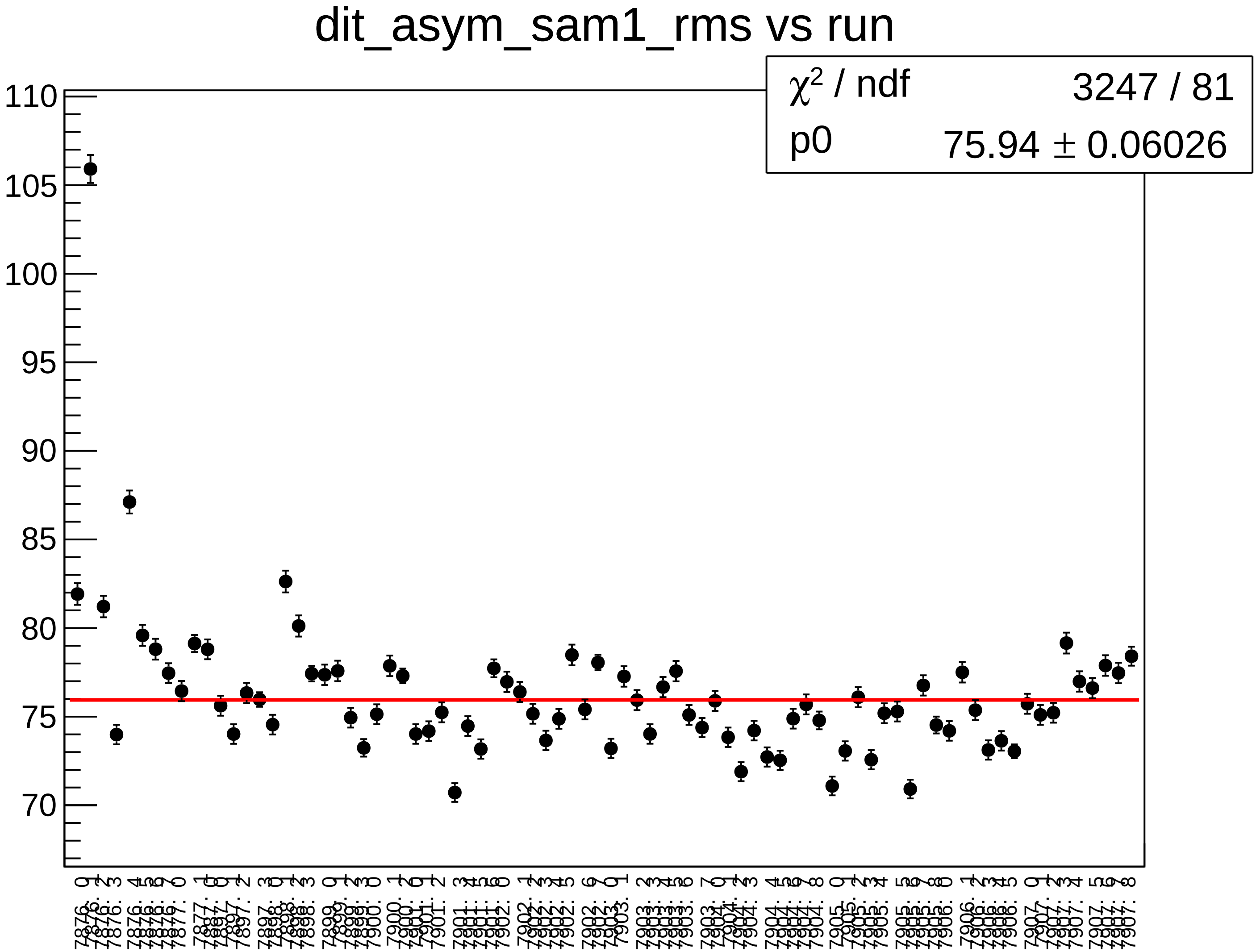


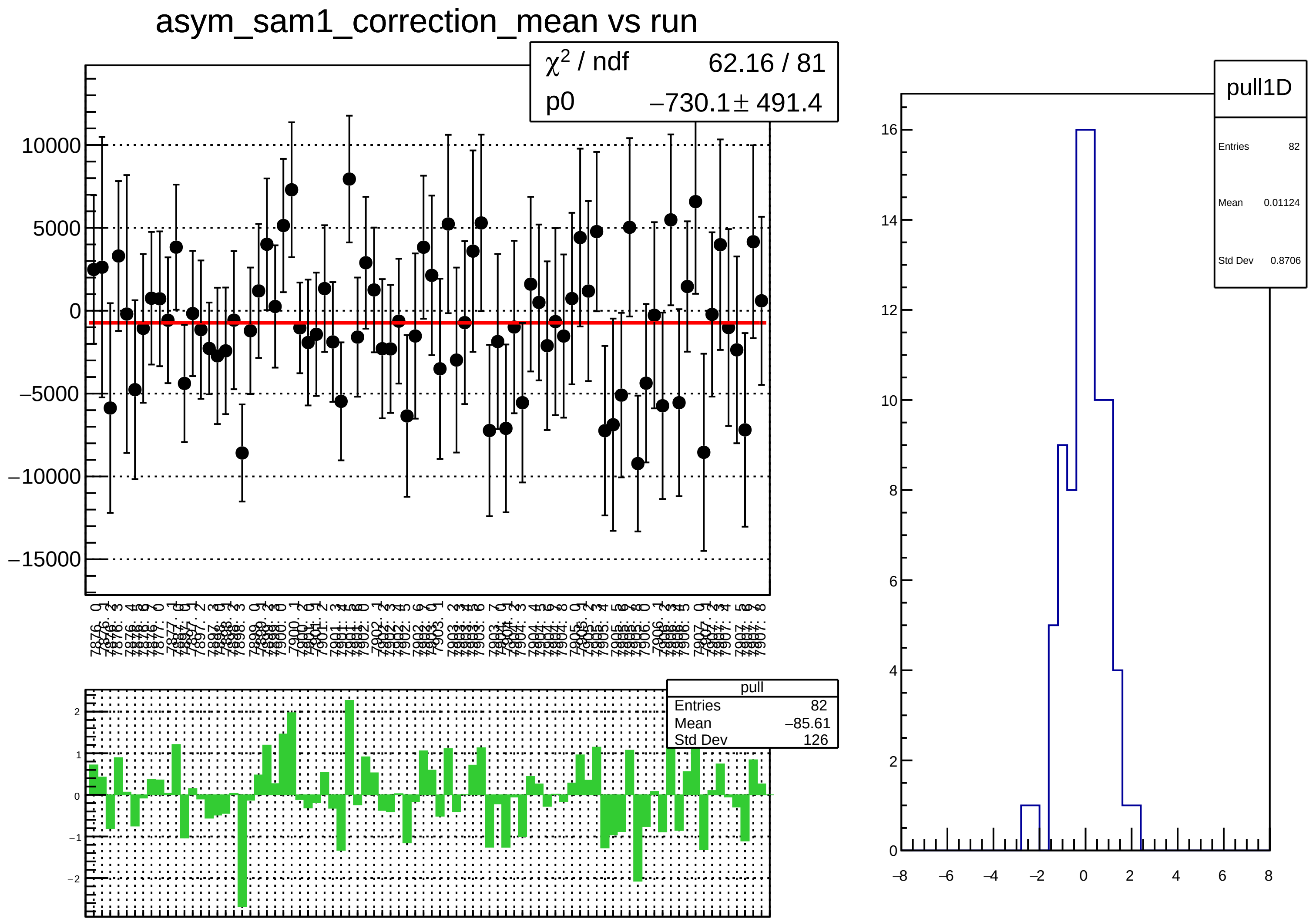
asym_atr2_mean vs run
×10^3
χ2 / ndf 72.76 / 81
p0 −2.501e+04 ± 1.832e+04
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean −9.653
Std Dev 58.77
pull1D
Entries 82
Mean −0.01504
Std Dev 0.9419

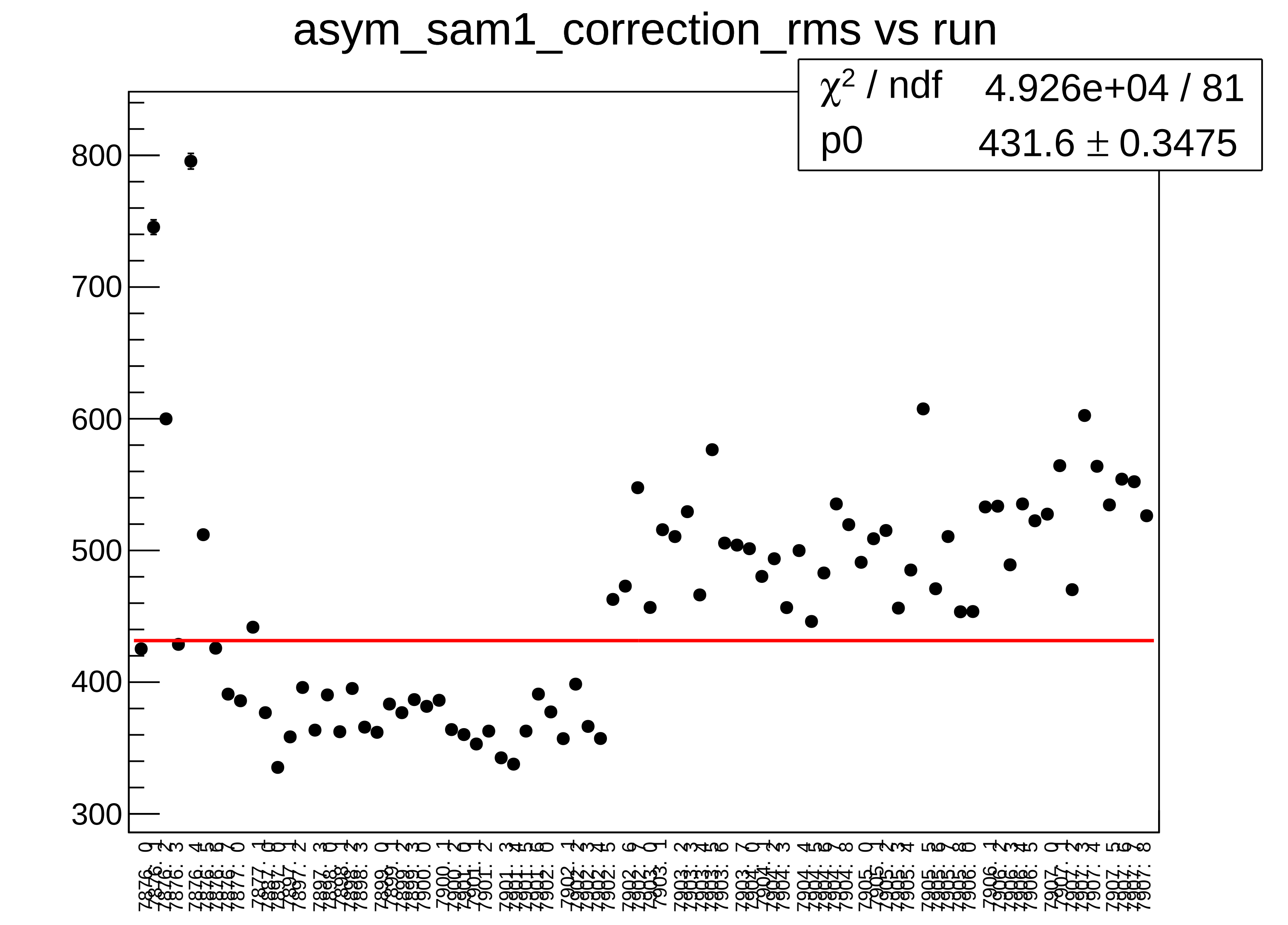


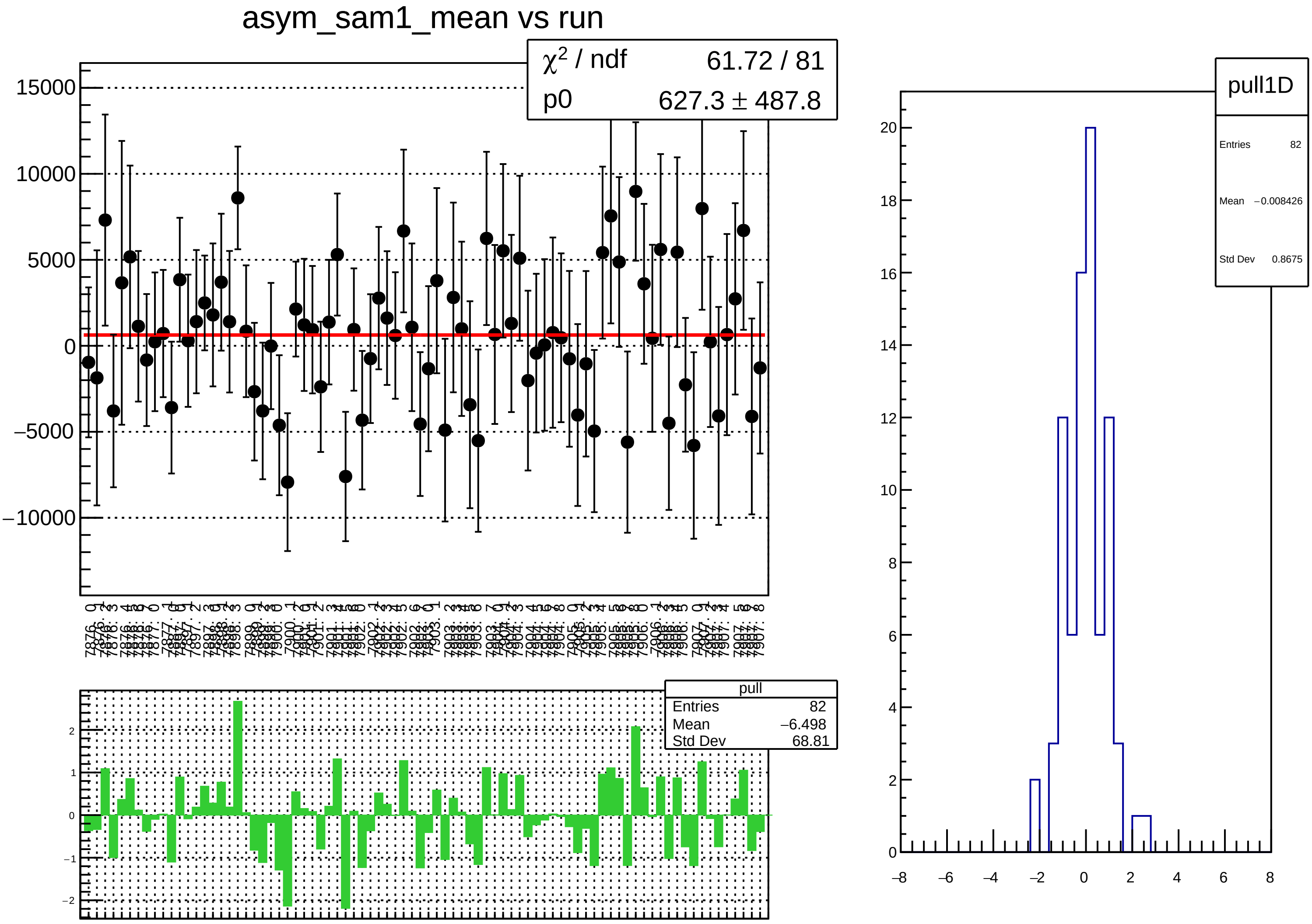
asym_atr2_rms vs run
χ2 / ndf 3.453e+04 / 81
p0 1.616e+04 ± 12.95
22000
20000
18000
16000
14000
12000


dit_asym_sam1_mean vs run
χ2 / ndf 80.62 / 81
p0 −92.73 ± 85.22
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −361.2
Std Dev 391.3
pull1D
Entries 82
Mean 0.01712
Std Dev 0.9914

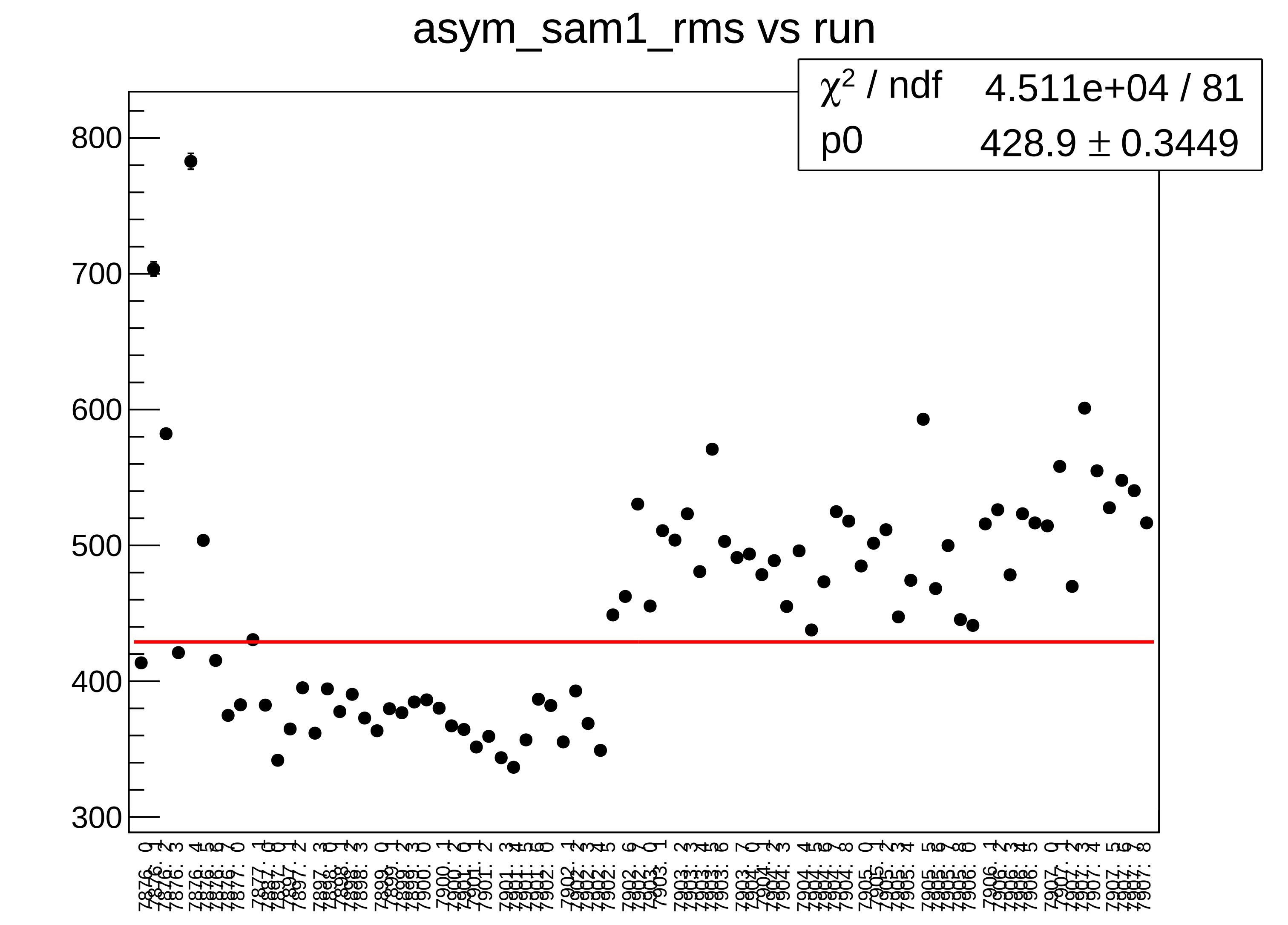

dit_asym_sam1_rms vs run
χ2 / ndf 3247 / 81
p0 75.94 ± 0.06026
110
105
100
95
90
85
80
75
70


asym_sam1_correction_mean vs run
χ2 / ndf 62.16 / 81
p0 −730.1 ± 491.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −85.61
Std Dev 126
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01124
Std Dev 0.8706
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

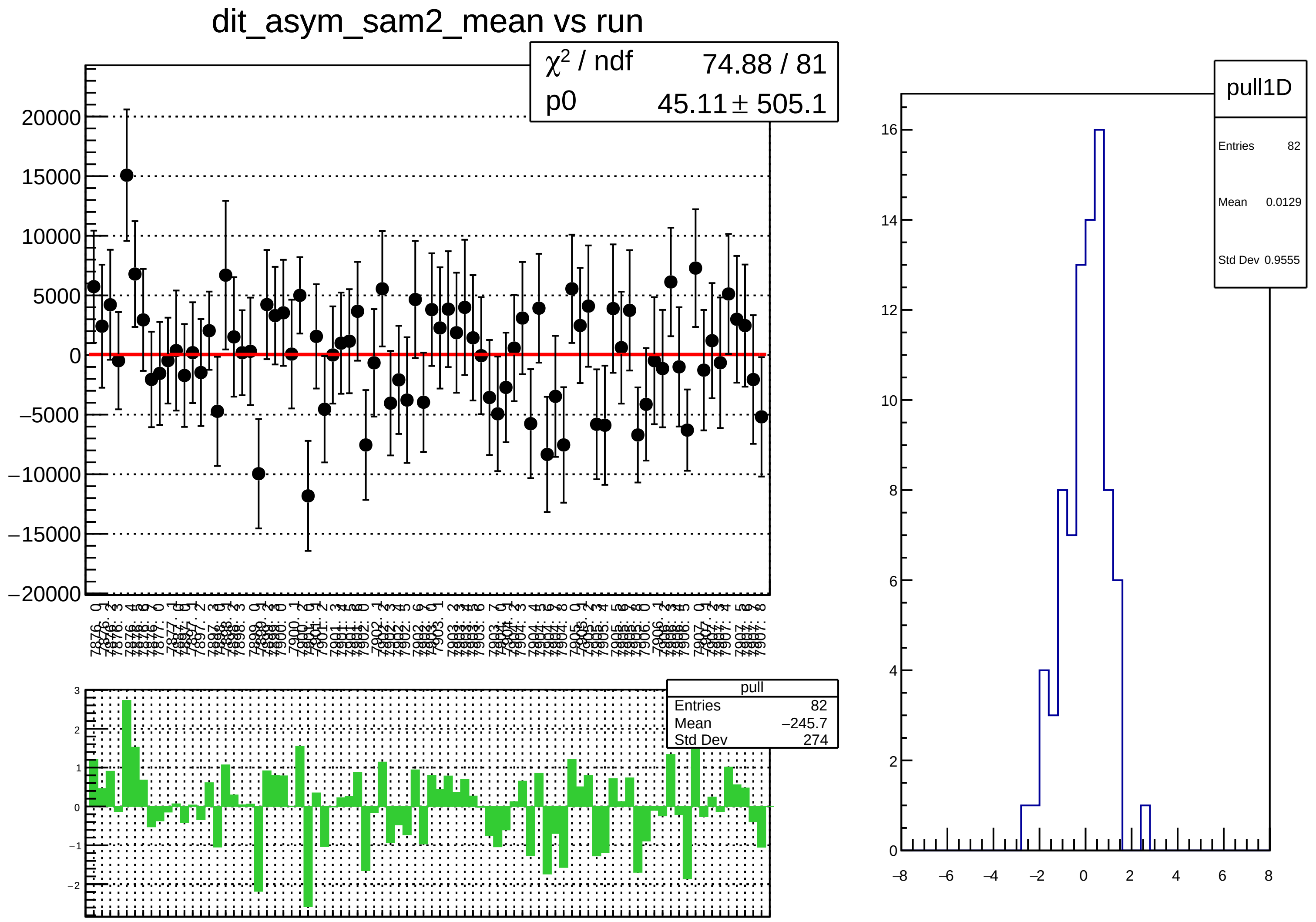

asym_sam1_correction_rms vs run
χ2 / ndf 4.926e+04 / 81
p0 431.6 ± 0.3475
800
700
600
500
400
300

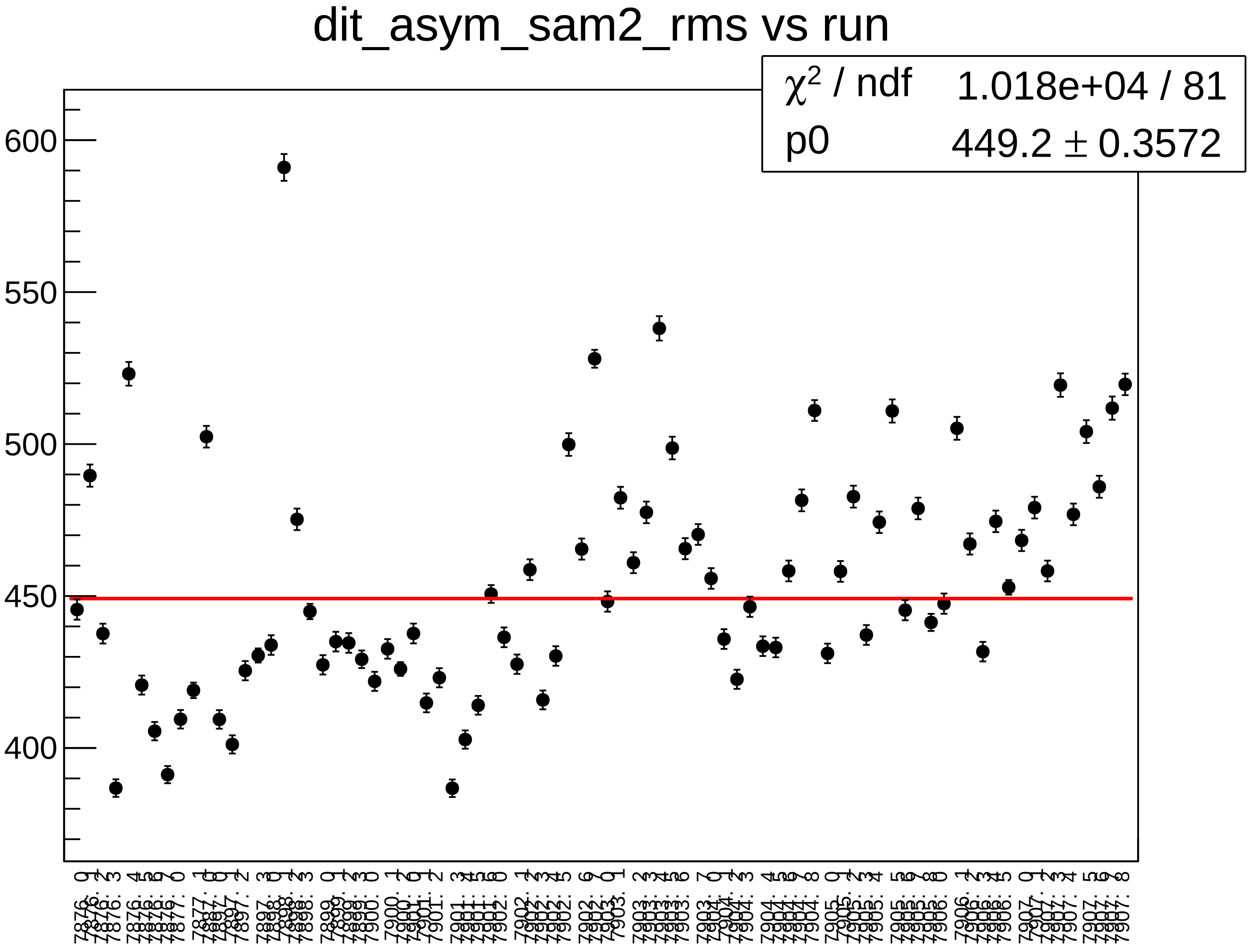


asym_sam1_mean vs run
χ^2 / ndf 61.72 / 81
p0 627.3 ± 487.8
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −6.498
Std Dev 68.81
pull1D
Entries 82
Mean −0.008426
Std Dev 0.8675

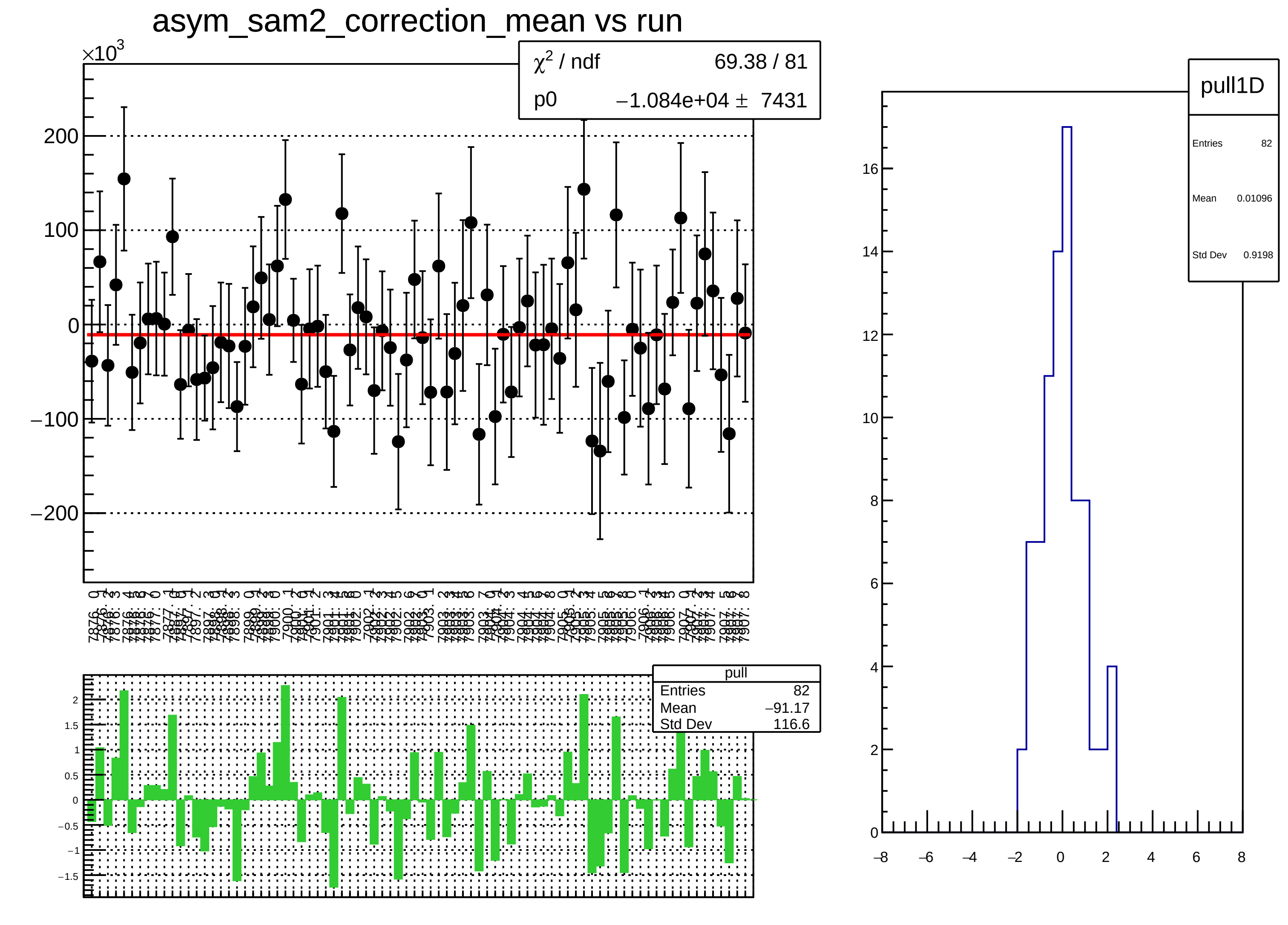


asym_sam1_rms vs run
χ^2 / ndf 4.511e+04 / 81
p0 428.9 ± 0.3449
800
700
600
500
400
300

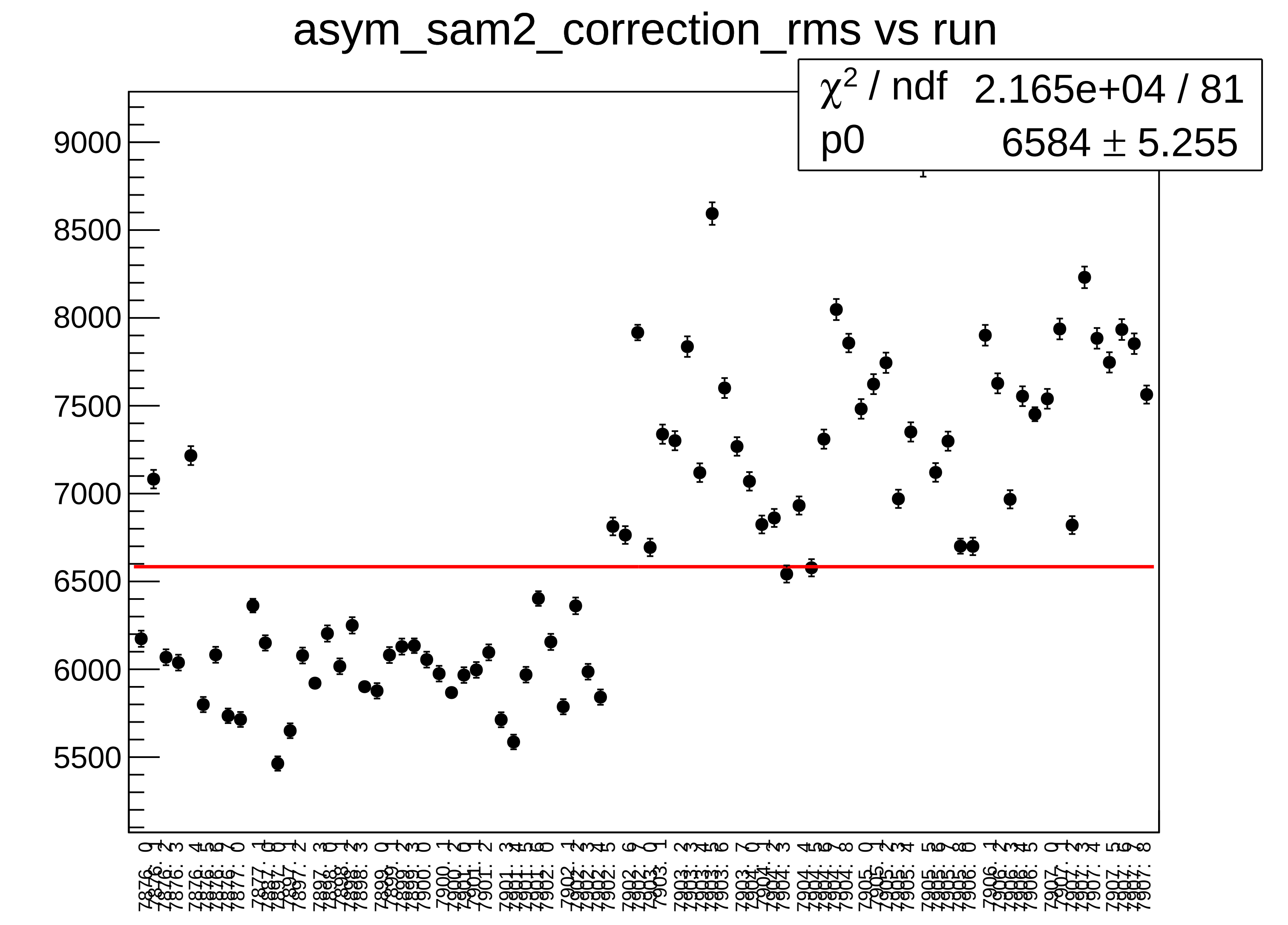

dit_asym_sam2_mean vs run
χ^2 / ndf 74.88 / 81
p0 45.11 ± 505.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean −245.7
Std Dev 274
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0129
Std Dev 0.9555
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



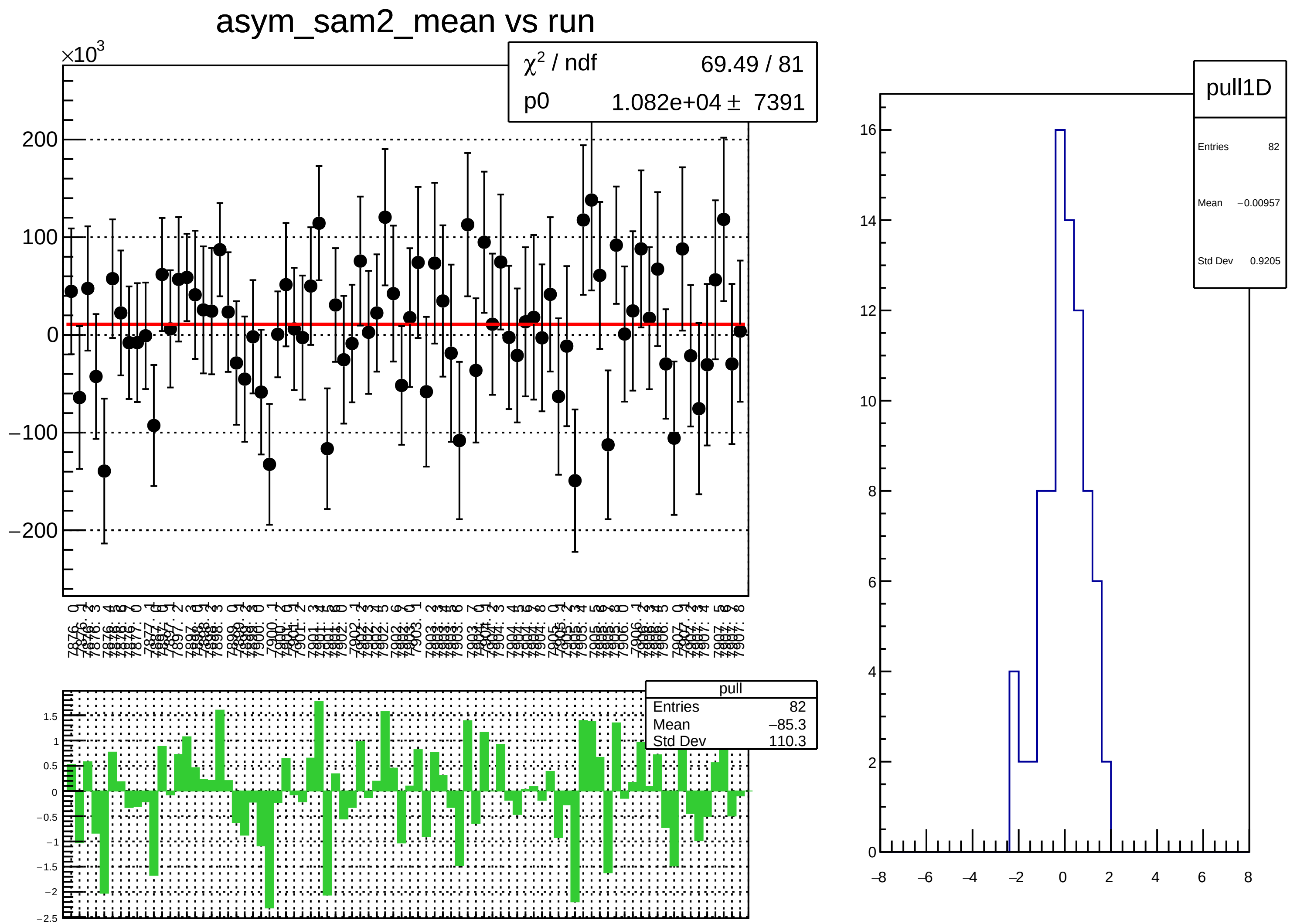
dit_asym_sam2_rms vs run
χ^2 / ndf 1.018e+04 / 81
p0 449.2 ± 0.3572
600
550
500
450
400



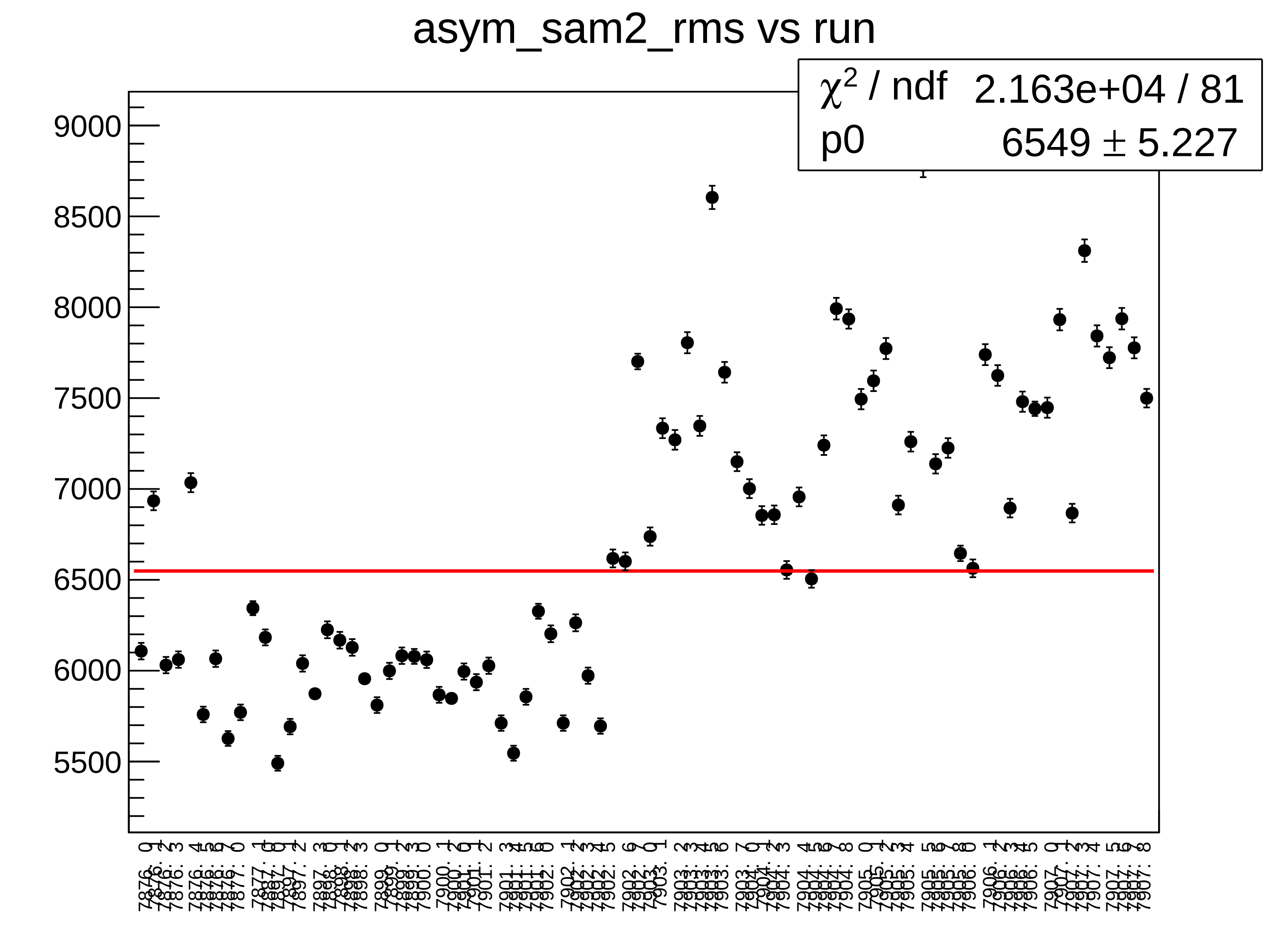
asym_sam2_correction_mean vs run
×10^3
χ² / ndf 69.38 / 81
p0 −1.084e+04 ± 7431
200
100
0
−100
−200
pull
Entries 82
Mean −91.17
Std Dev 116.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01096
Std Dev 0.9198
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

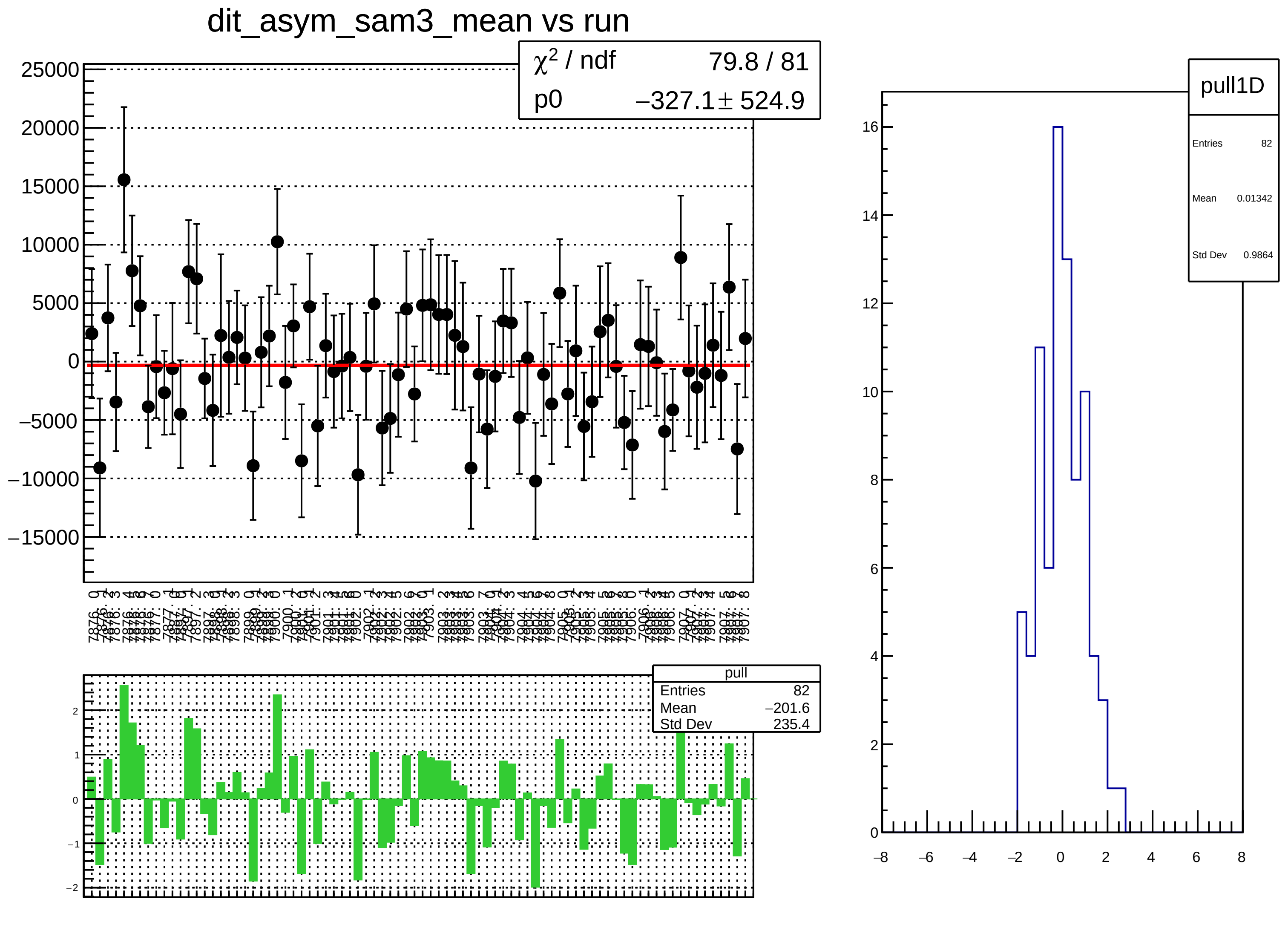


asym_sam2_correction_rms vs run
χ^2 / ndf 2.165e+04 / 81
p0 6584 ± 5.255
9000
8500
8000
7500
7000
6500
6000
5500

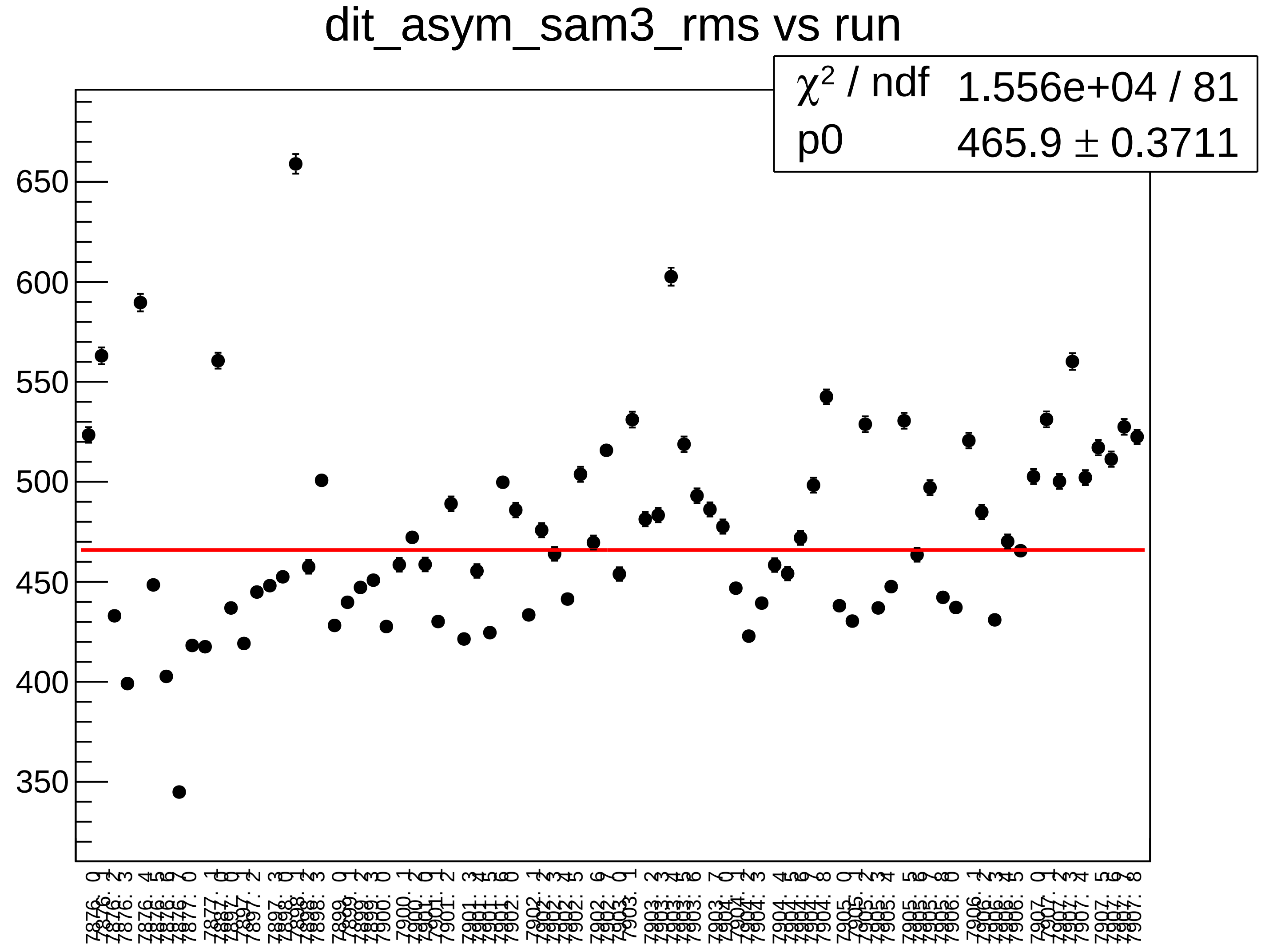


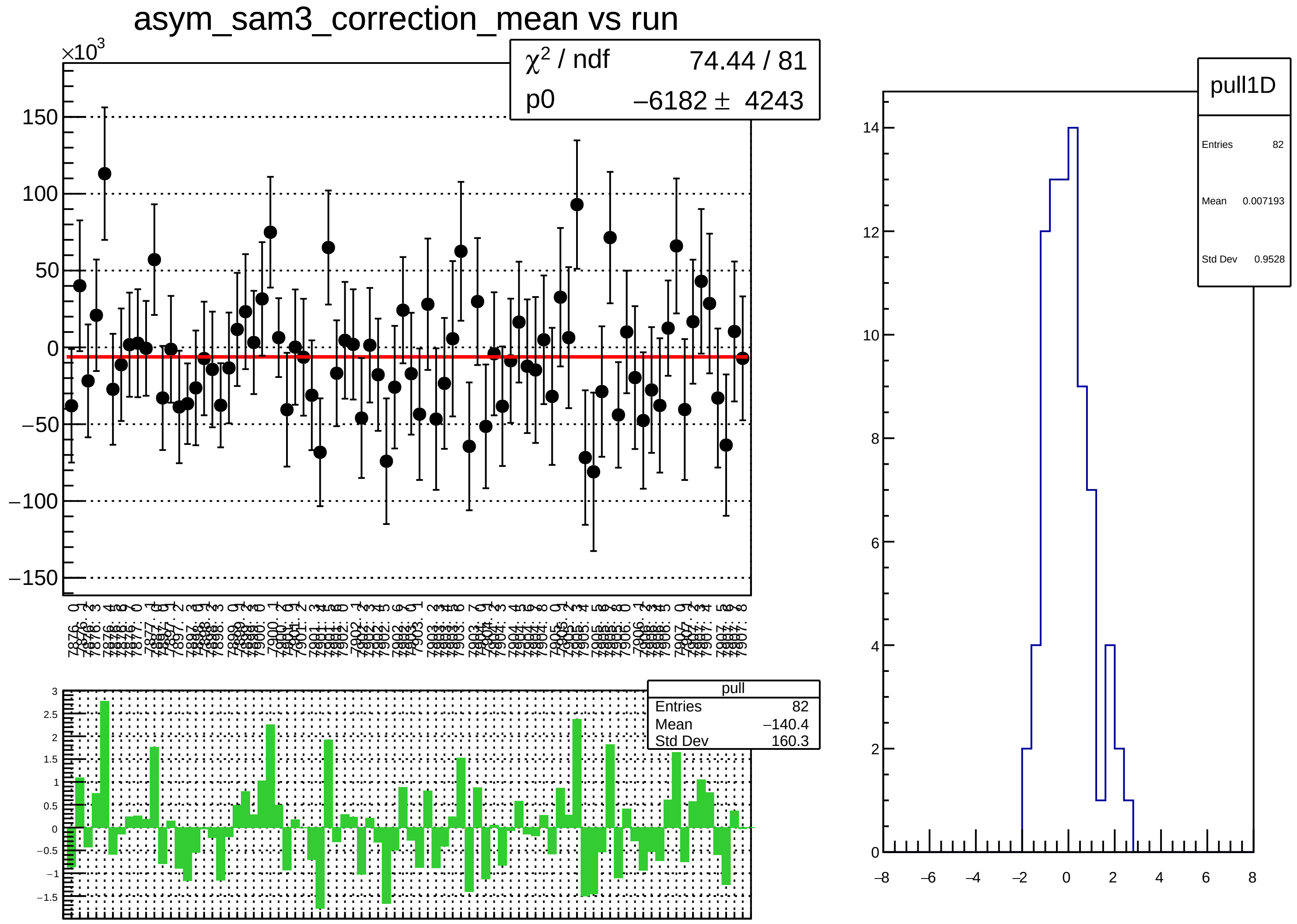
asym_sam2_mean vs run
×10^3
χ2 / ndf 69.49 / 81
p0 1.082e+04 ± 7391
200
100
0
−100
−200
pull
Entries 82
Mean −85.3
Std Dev 110.3
pull1D
Entries 82
Mean −0.00957
Std Dev 0.9205


asym_sam2_rms vs run
χ^2 / ndf 2.163e+04 / 81
p0 6549 ± 5.227
9000
8500
8000
7500
7000
6500
6000
5500

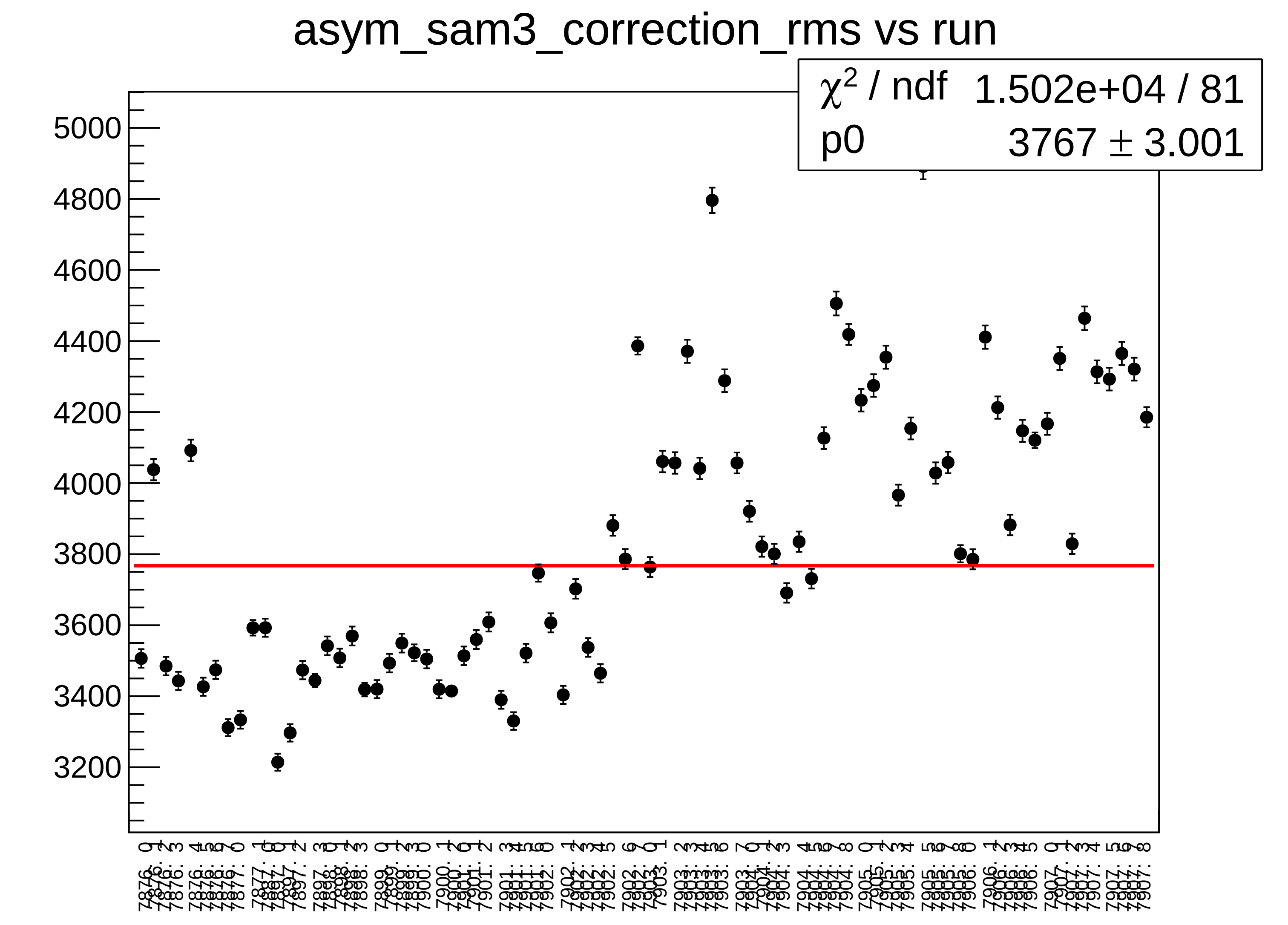


dit_asym_sam3_mean vs run
χ^2 / ndf 79.8 / 81
p0 −327.1 ± 524.9
pull
Entries 82
Mean −201.6
Std Dev 235.4
pull1D
Entries 82
Mean 0.01342
Std Dev 0.9864

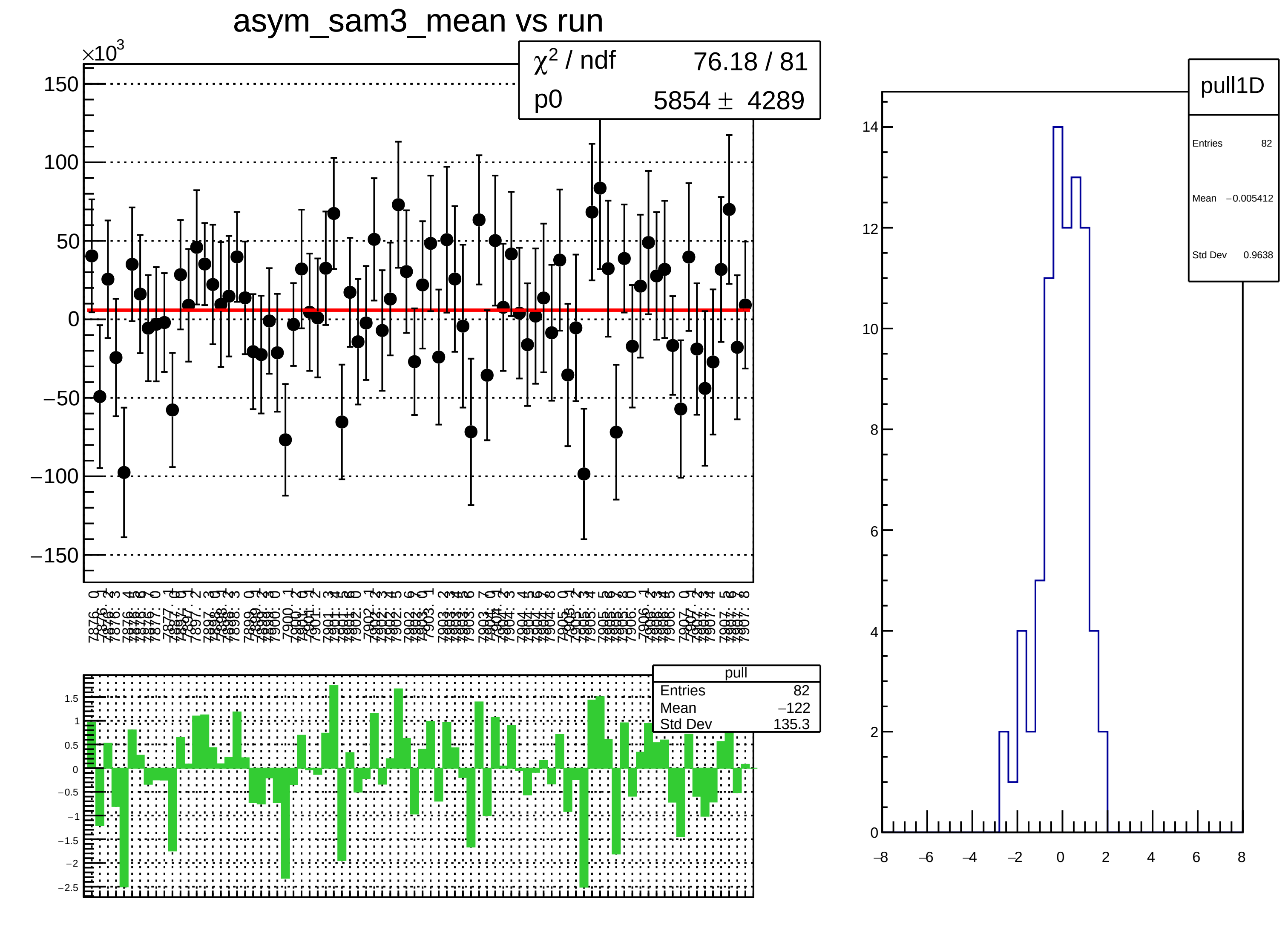

dit_asym_sam3_rms vs run
χ2 / ndf 1.556e+04 / 81
p0 465.9 ± 0.3711
650
600
550
500
450
400
350

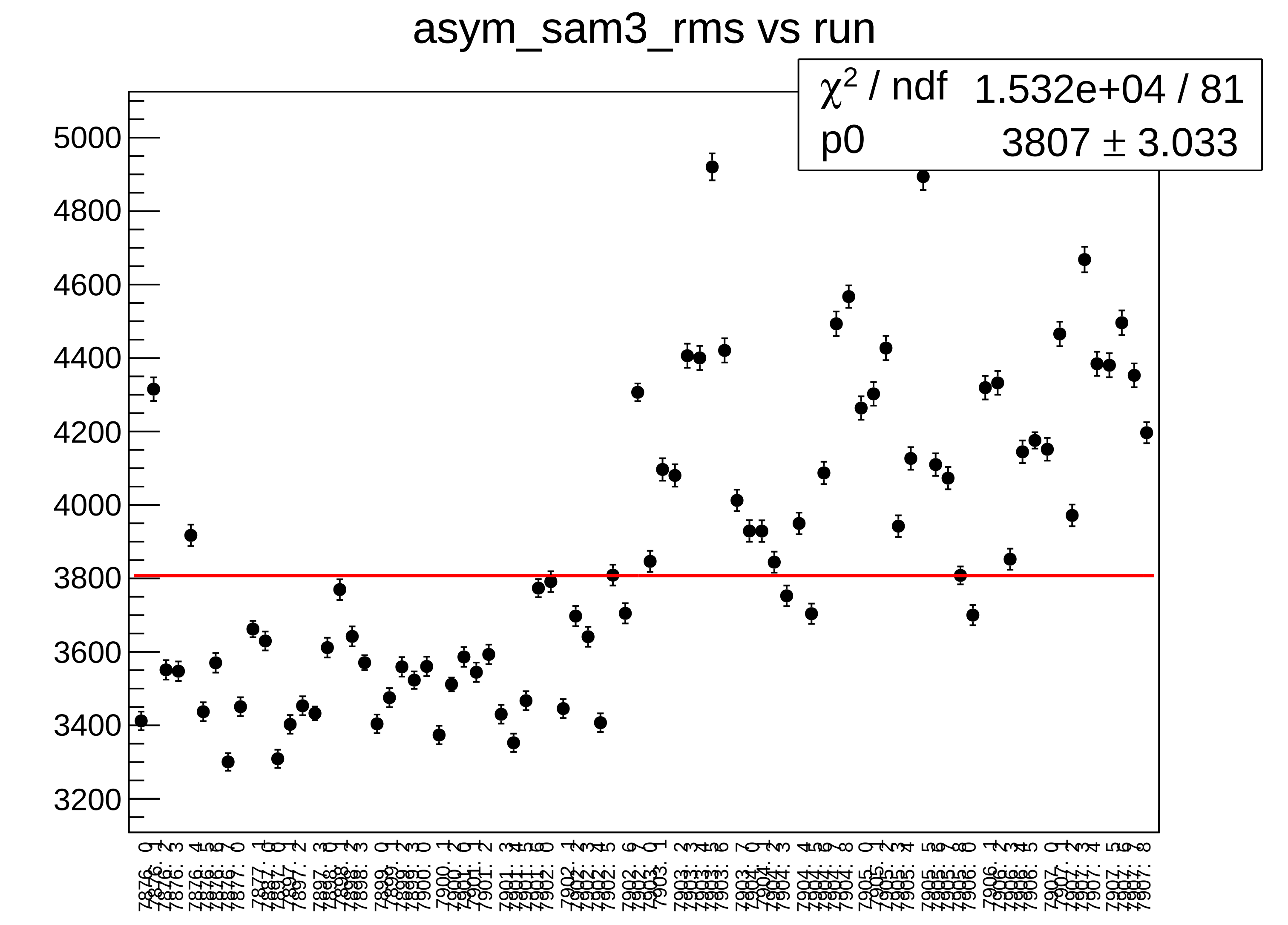


asym_sam3_correction_mean vs run
χ2 / ndf 74.44 / 81
p0 −6182 ± 4243
×10^3
pull
Entries 82
Mean −140.4
Std Dev 160.3
pull1D
Entries 82
Mean 0.007193
Std Dev 0.9528



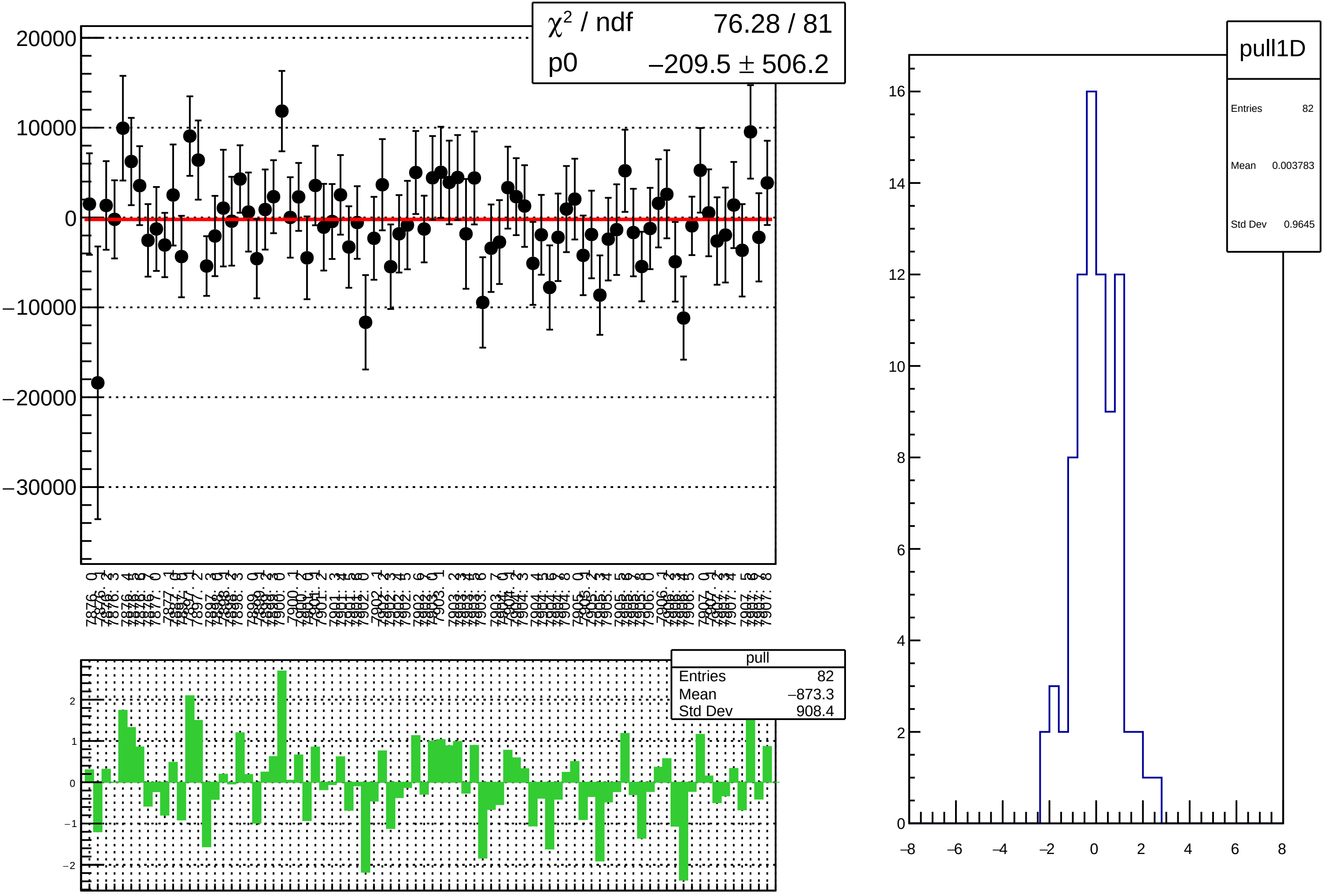
asym_sam3_correction_rms vs run
χ2 / ndf 1.502e+04 / 81
p0 3767 ± 3.001
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

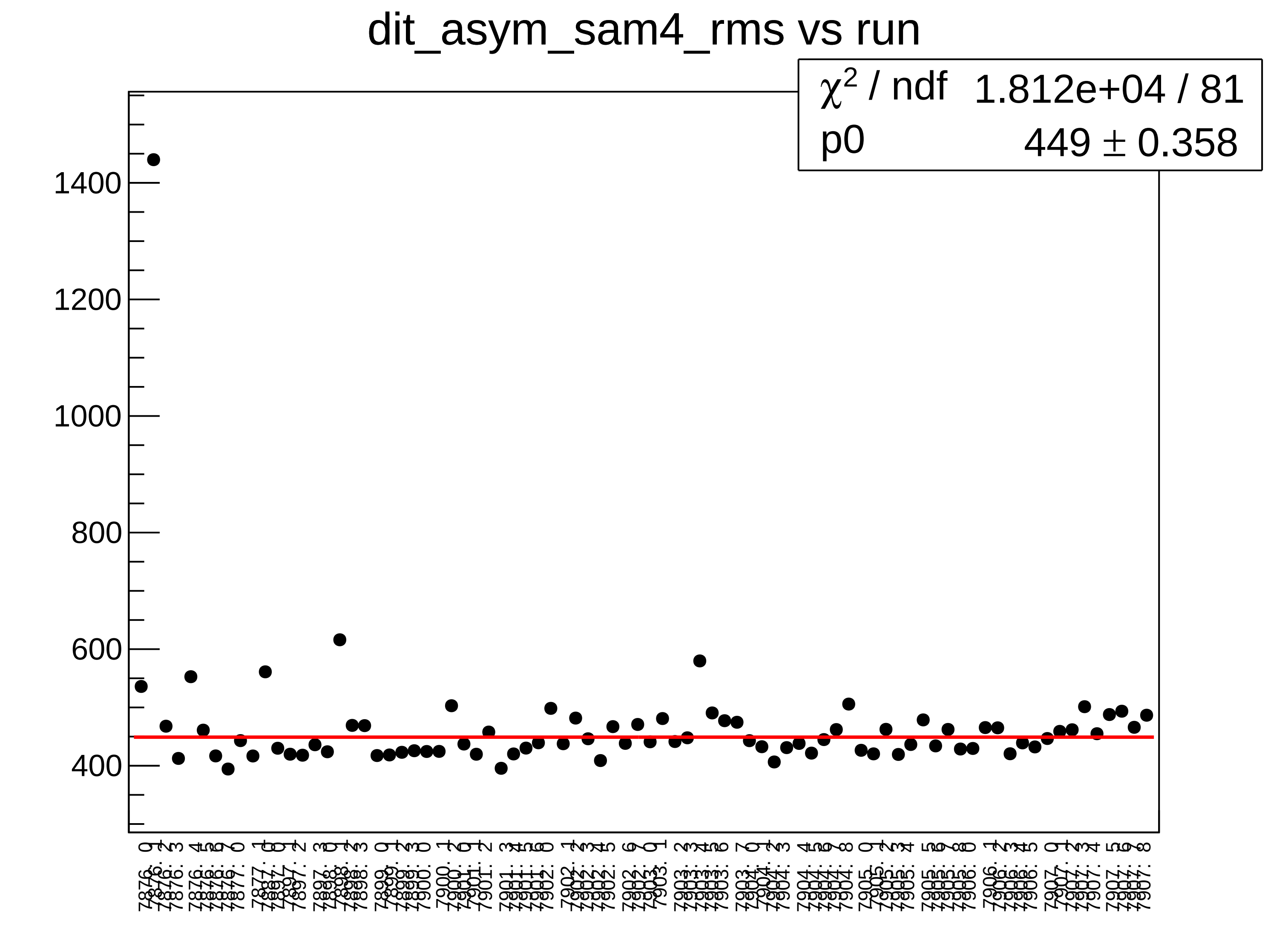

asym_sam3_mean vs run
×10^3
χ^2 / ndf 76.18 / 81
p0 5854 ± 4289
pull
Entries 82
Mean −122
Std Dev 135.3
pull1D
Entries 82
Mean −0.005412
Std Dev 0.9638

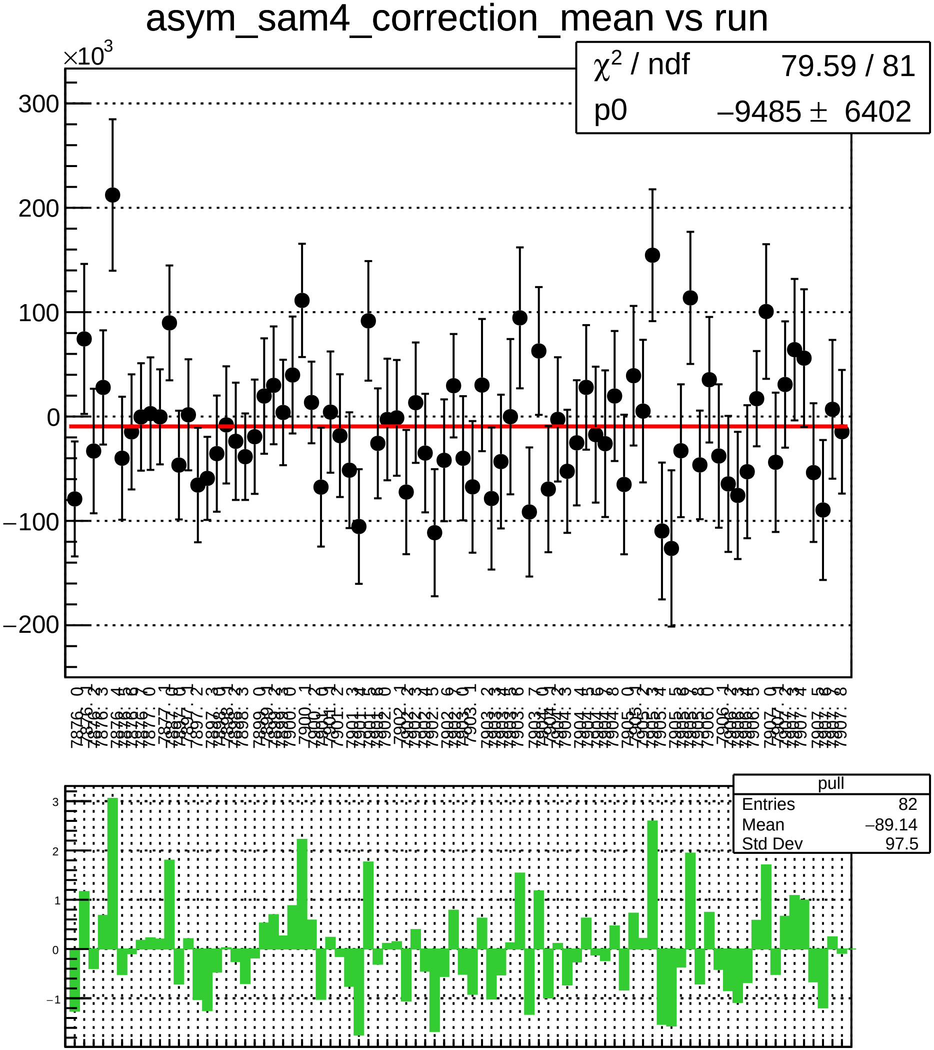


asym_sam3_rms vs run
χ^2 / ndf 1.532e+04 / 81
p0 3807 ± 3.033
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

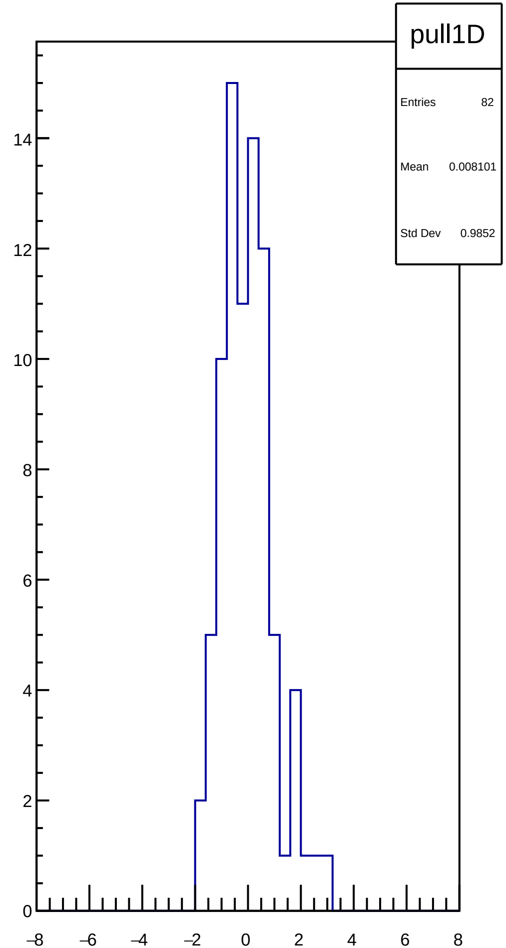
dit_asym_sam4_mean vs run



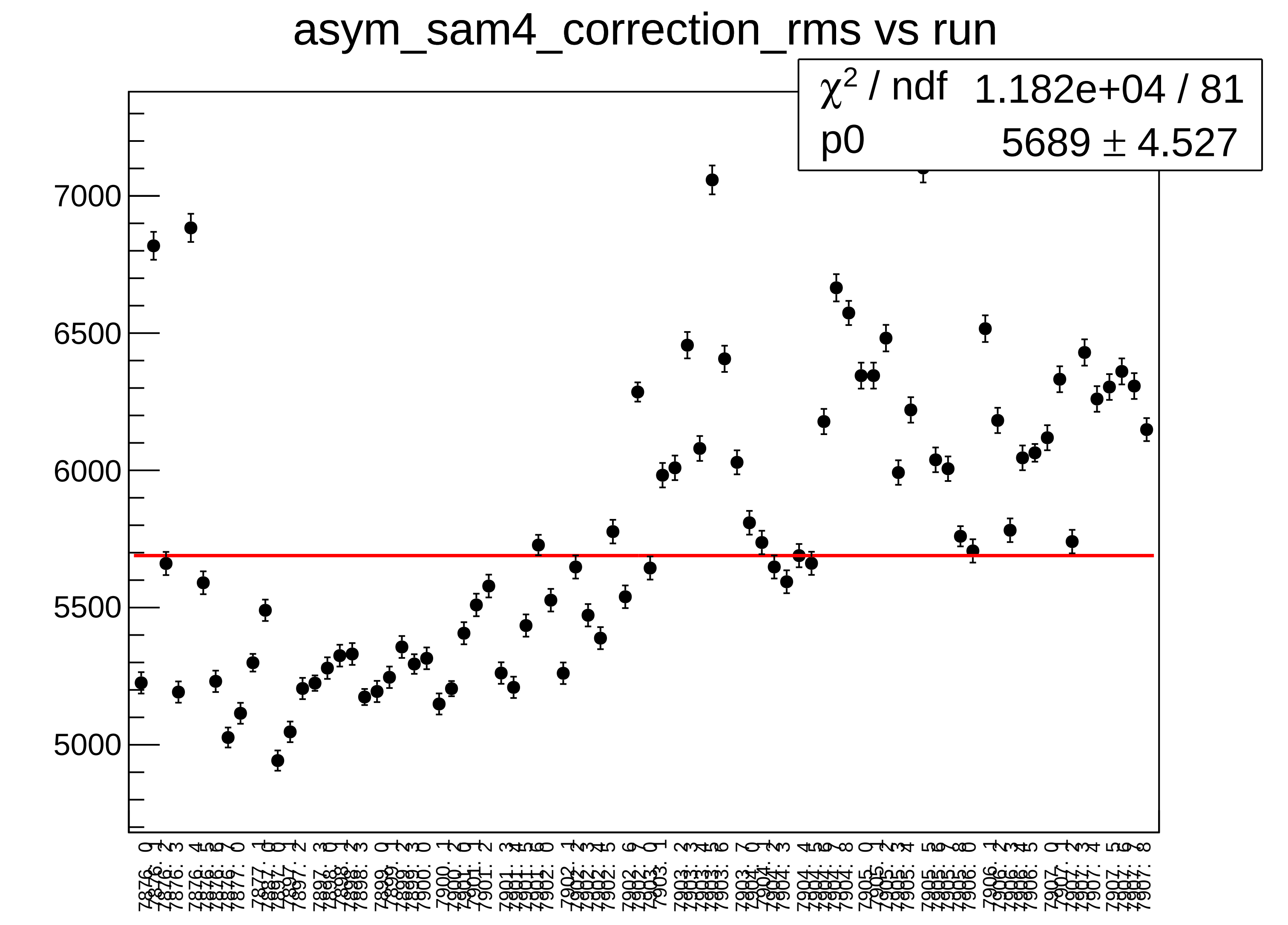

dit_asym_sam4_rms vs run
χ² / ndf 1.812e+04 / 81
p0 449 ± 0.358
1400
1200
1000
800
600
400



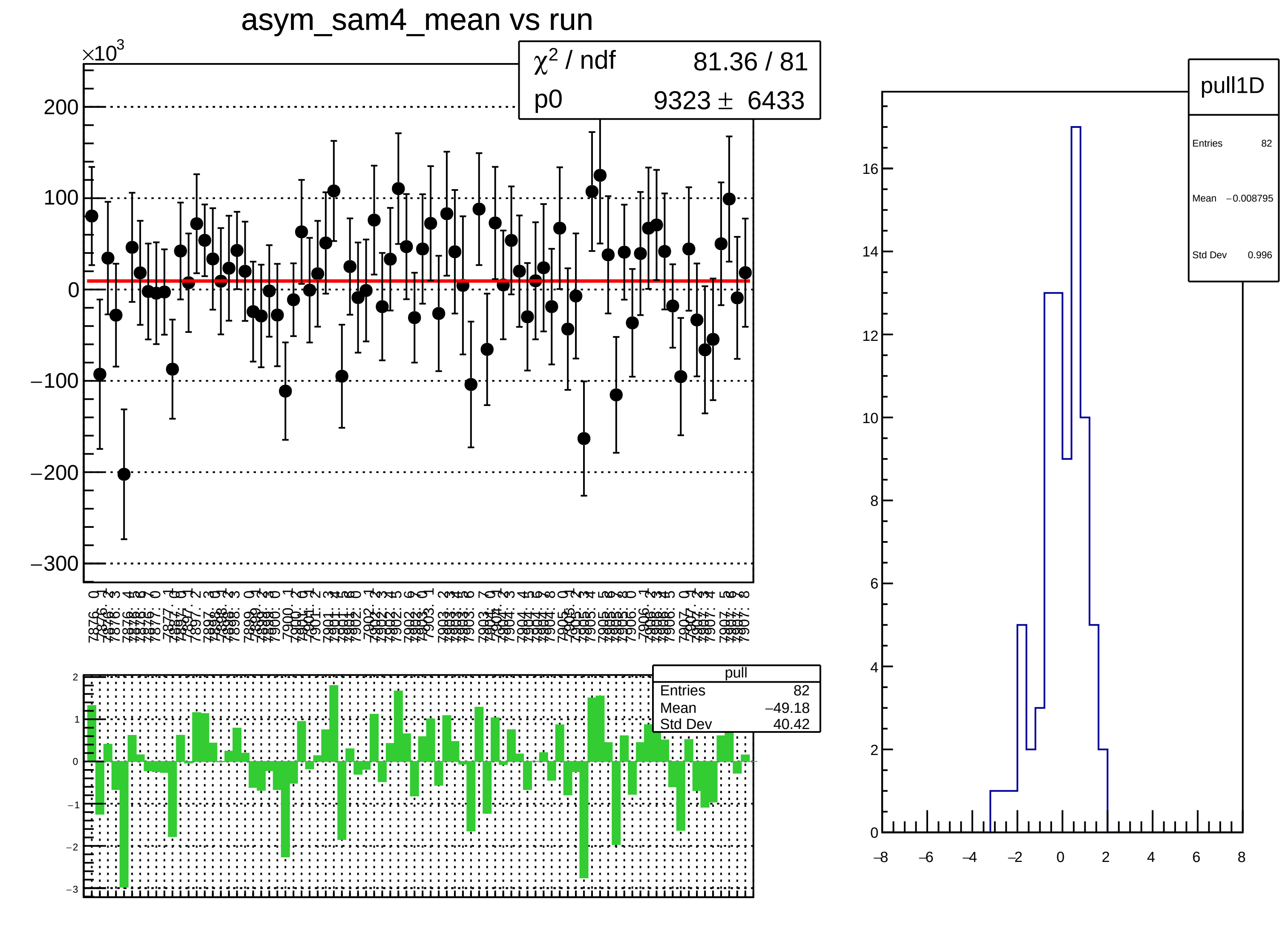
asym_sam4_correction_mean vs run
$\times10^3$
χ^2 / ndf 79.59 / 81
p0 −9485 ± 6402
300
200
100
0
−100
−200
pull
Entries 82
Mean −89.14
Std Dev 97.5

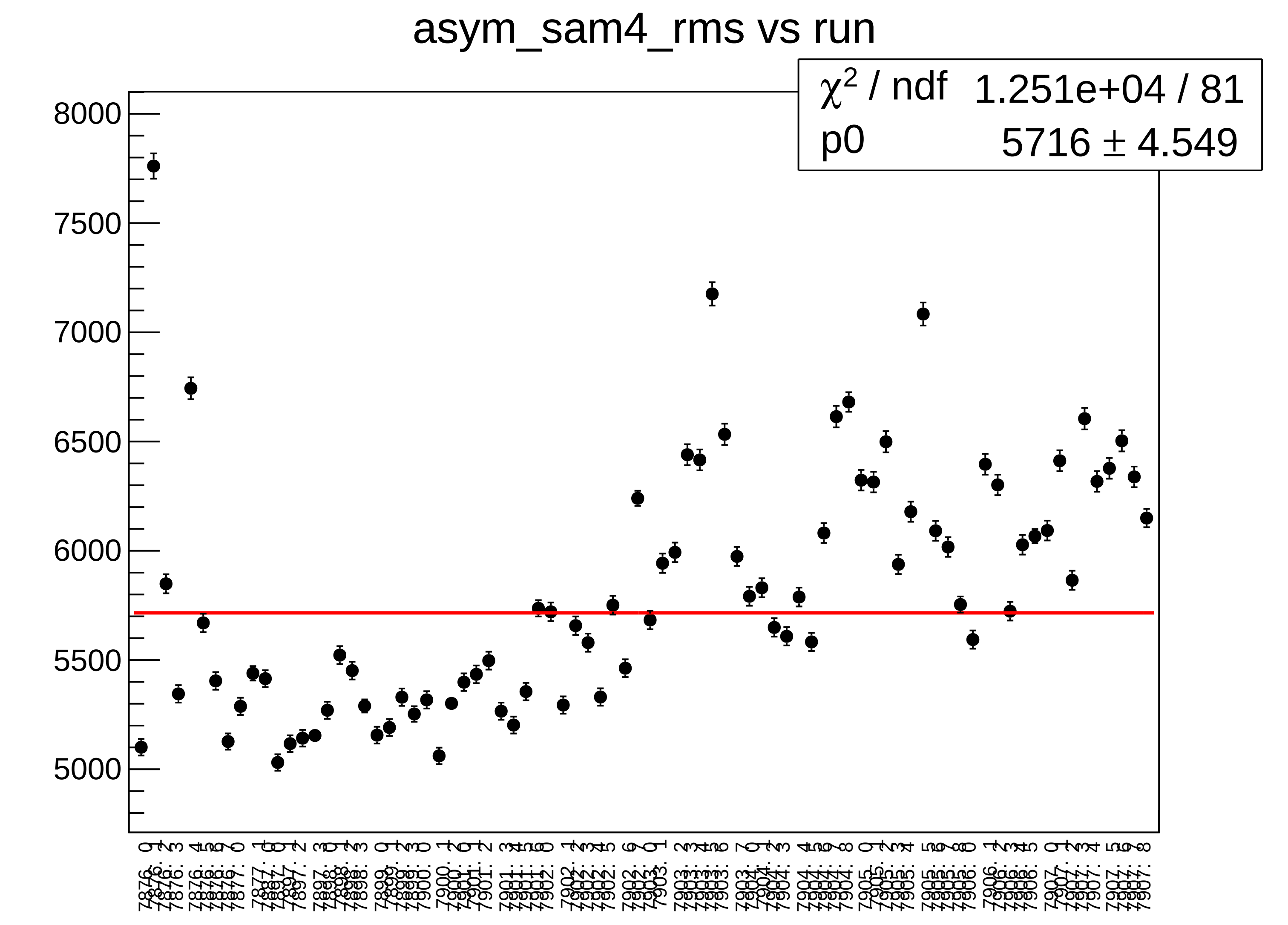


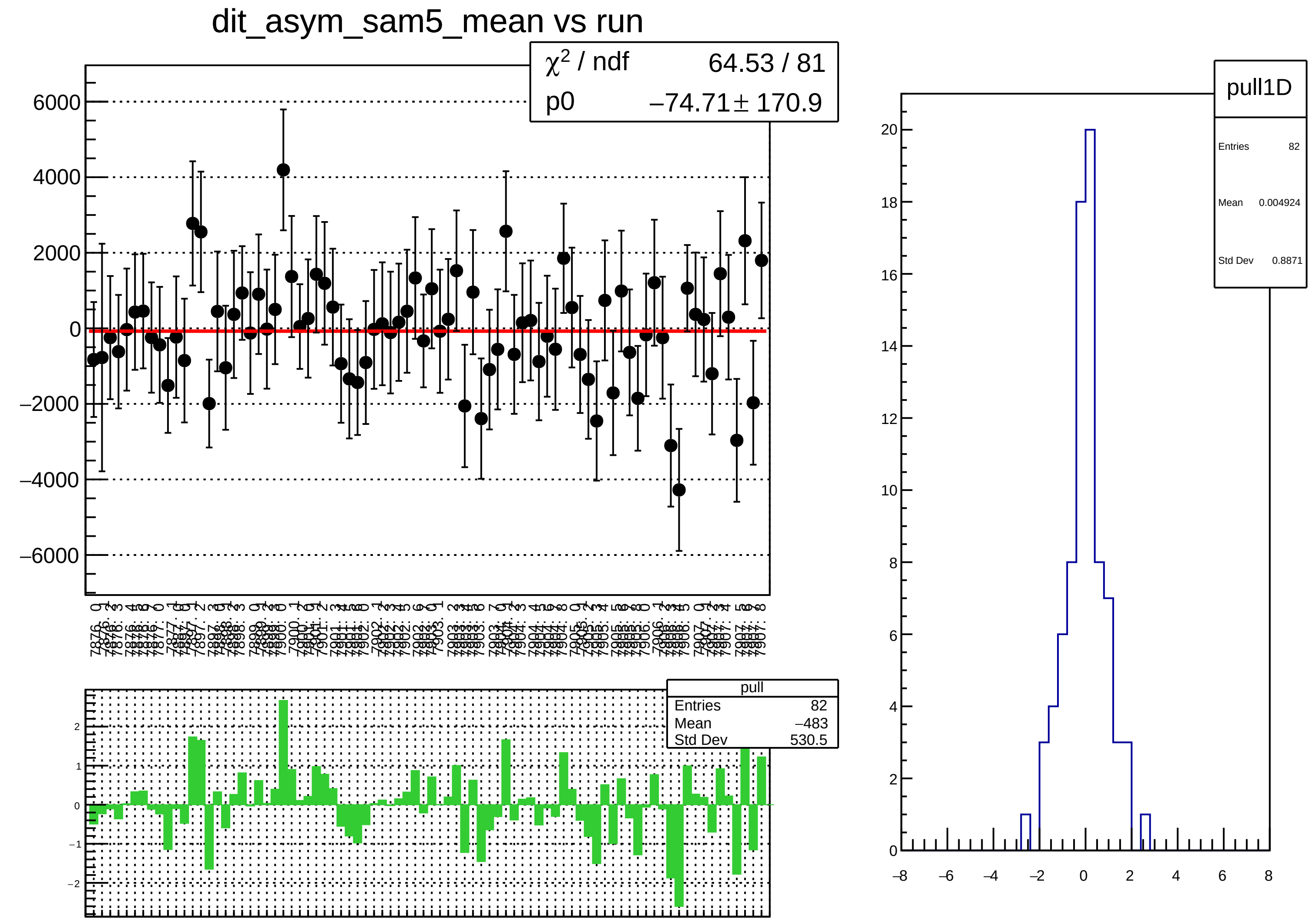
pull1D
Entries 82
Mean 0.008101
Std Dev 0.9852



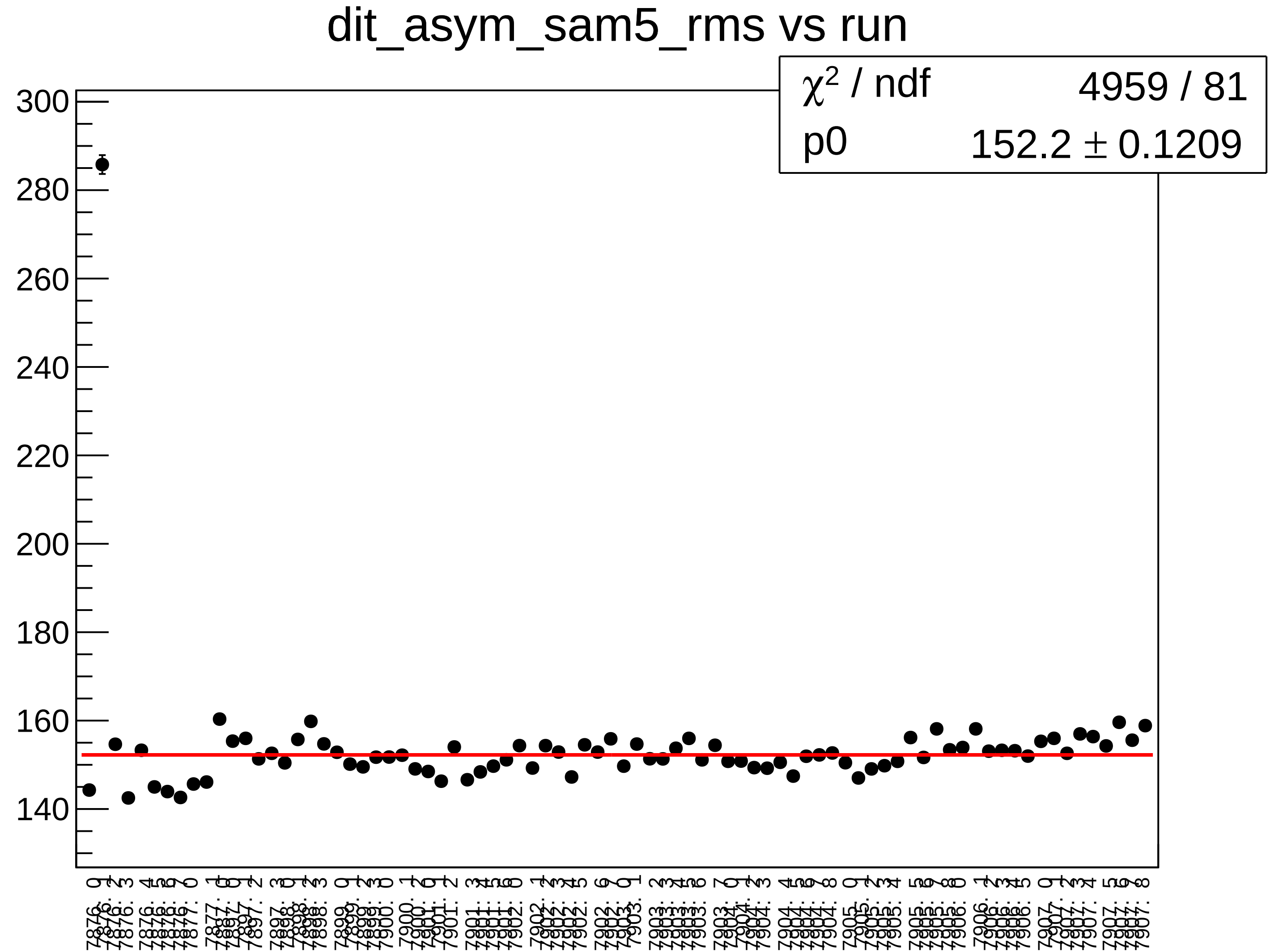
asym_sam4_correction_rms vs run
χ^2 / ndf 1.182e+04 / 81
p0 5689 ± 4.527
7000
6500
6000
5500
5000


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

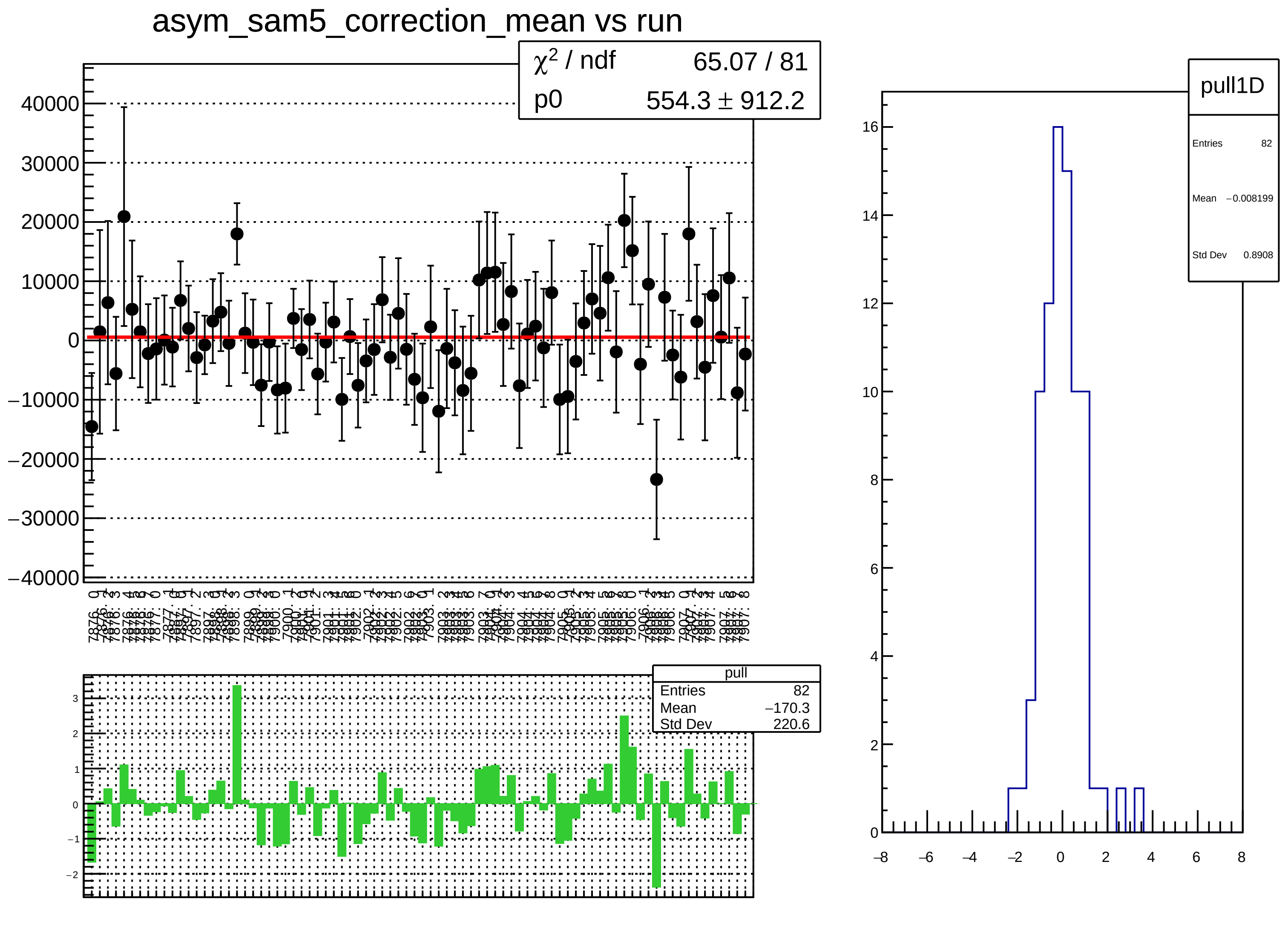

asym_sam4_rms vs run
χ^2 / ndf 1.251e+04 / 81
p0 5716 ± 4.549
8000
7500
7000
6500
6000
5500
5000

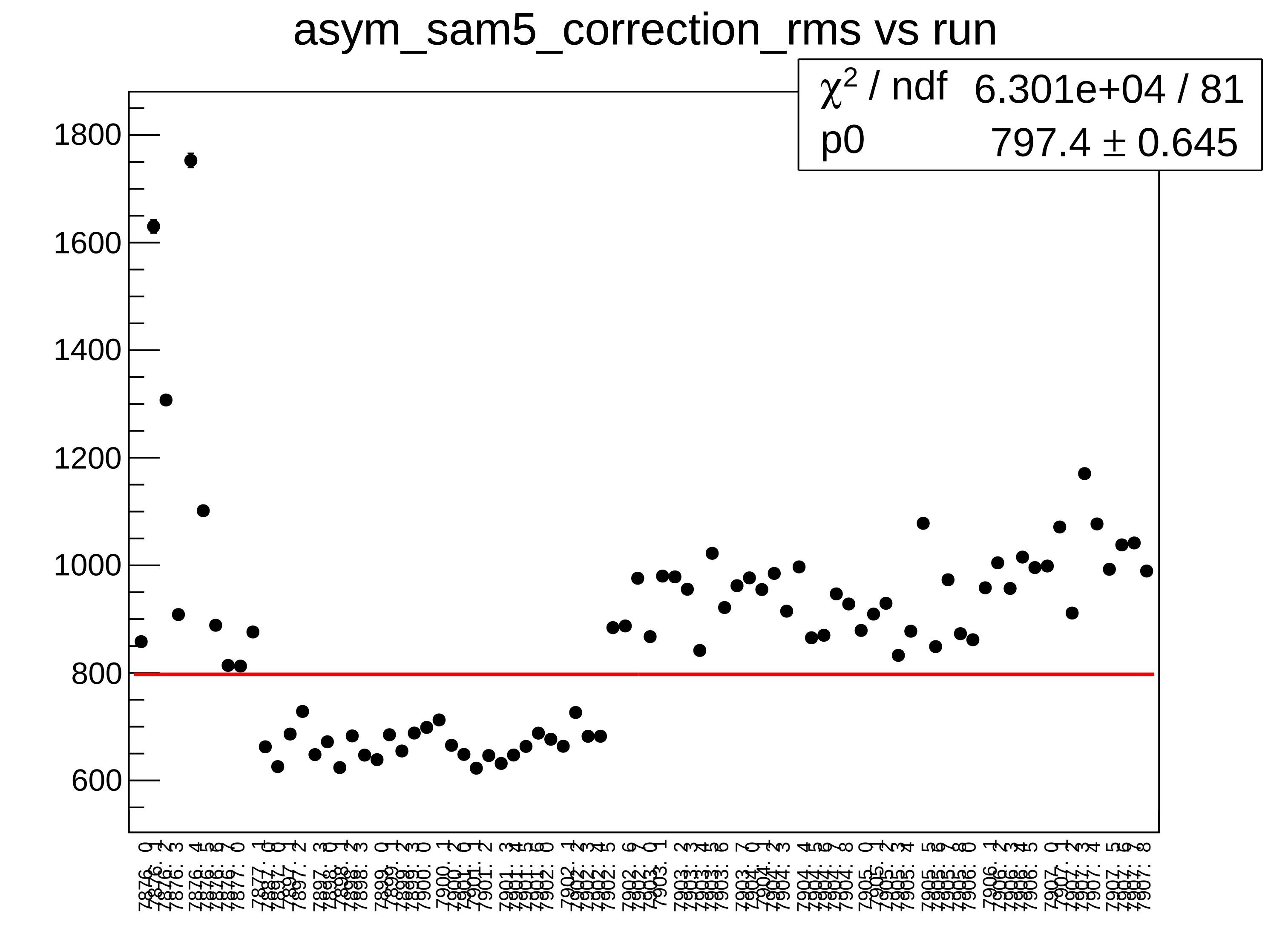


dit_asym_sam5_mean vs run
χ^2 / ndf 64.53 / 81
p0 −74.71 ± 170.9
pull
Entries 82
Mean −483
Std Dev 530.5
pull1D
Entries 82
Mean 0.004924
Std Dev 0.8871

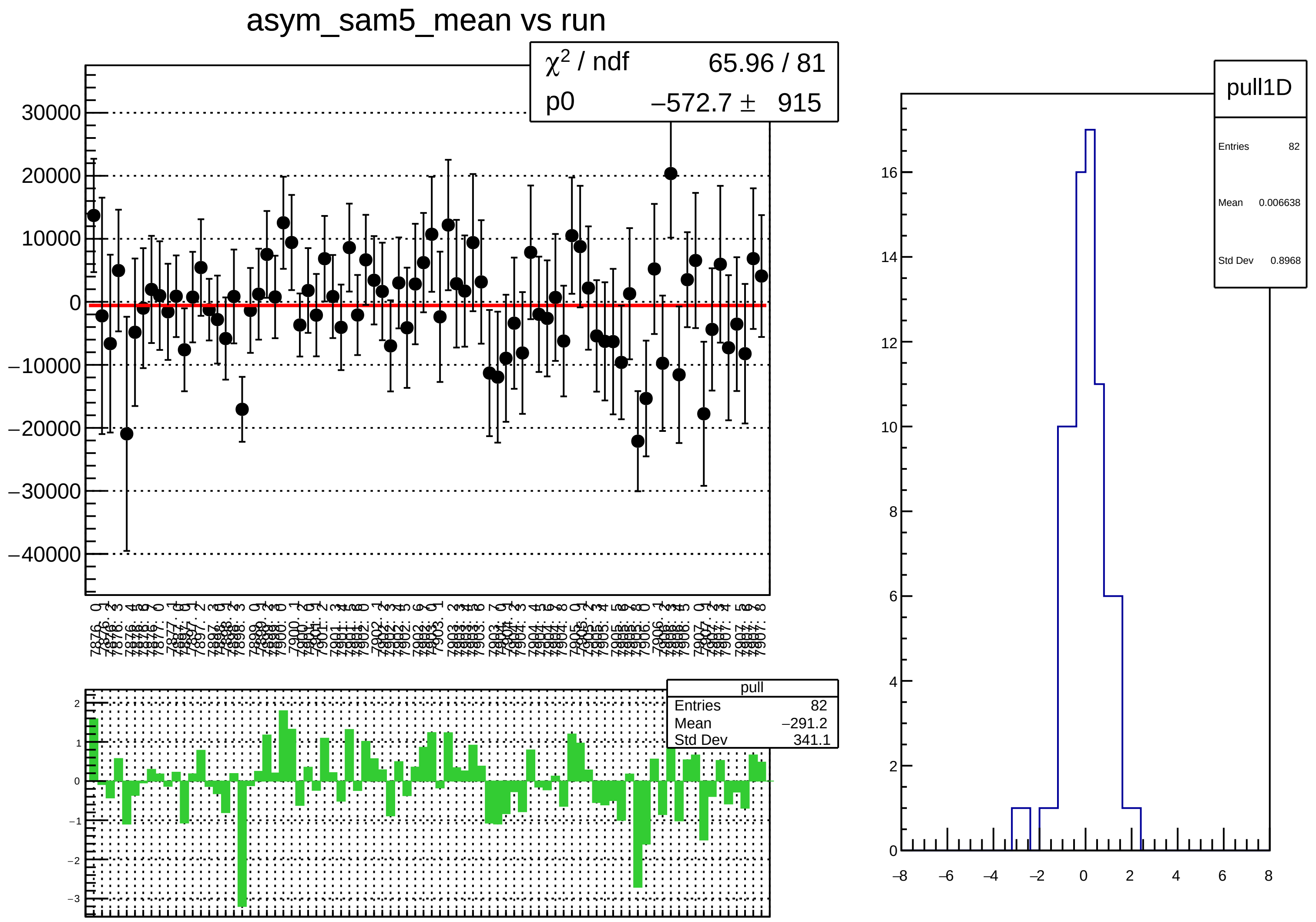


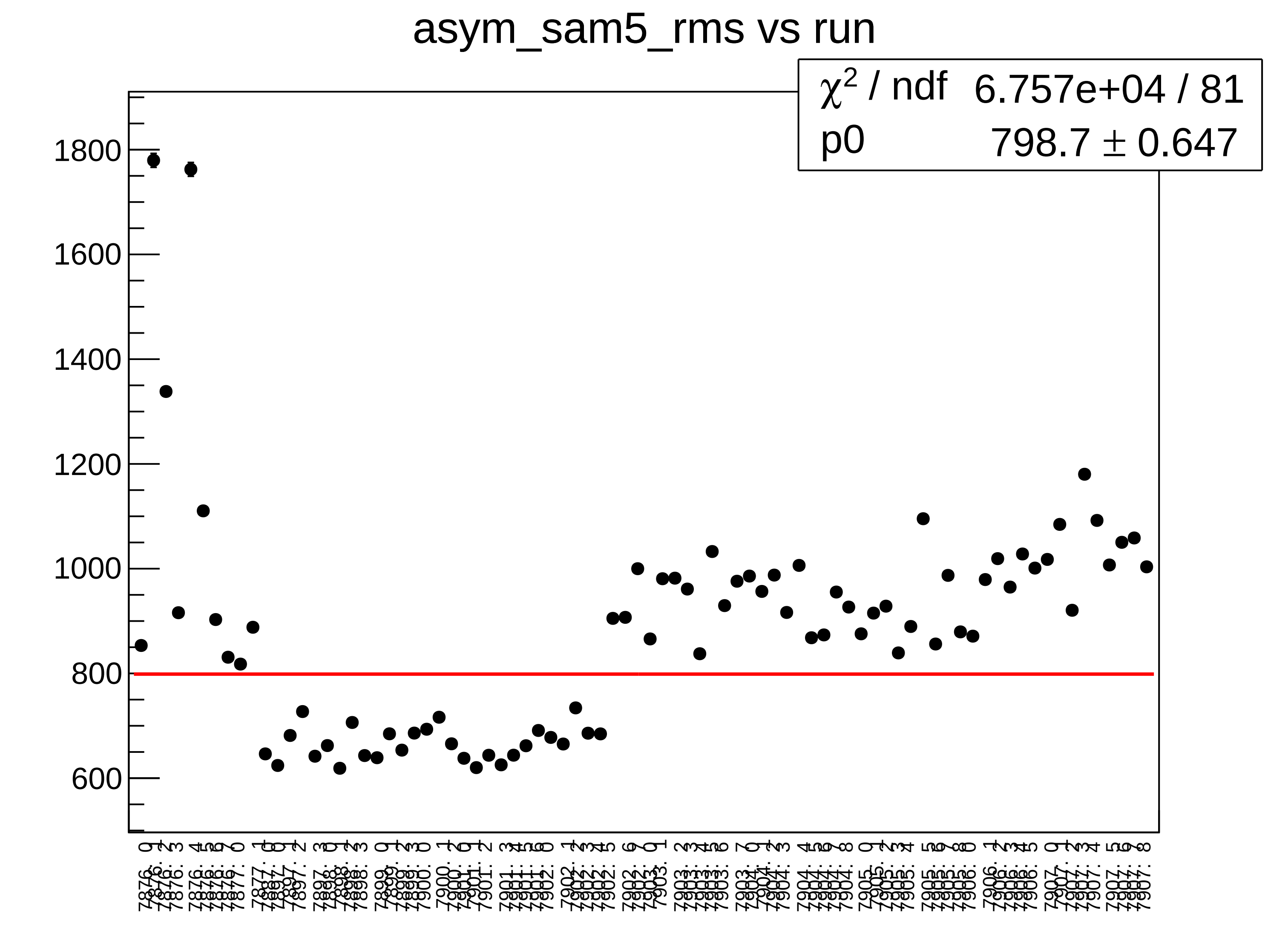
dit_asym_sam5_rms vs run
χ2 / ndf 4959 / 81
p0 152.2 ± 0.1209
300
280
260
240
220
200
180
160
140


asym_sam5_correction_mean vs run
χ^2 / ndf 65.07 / 81
p0 554.3 ± 912.2
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −170.3
Std Dev 220.6
pull1D
Entries 82
Mean −0.008199
Std Dev 0.8908

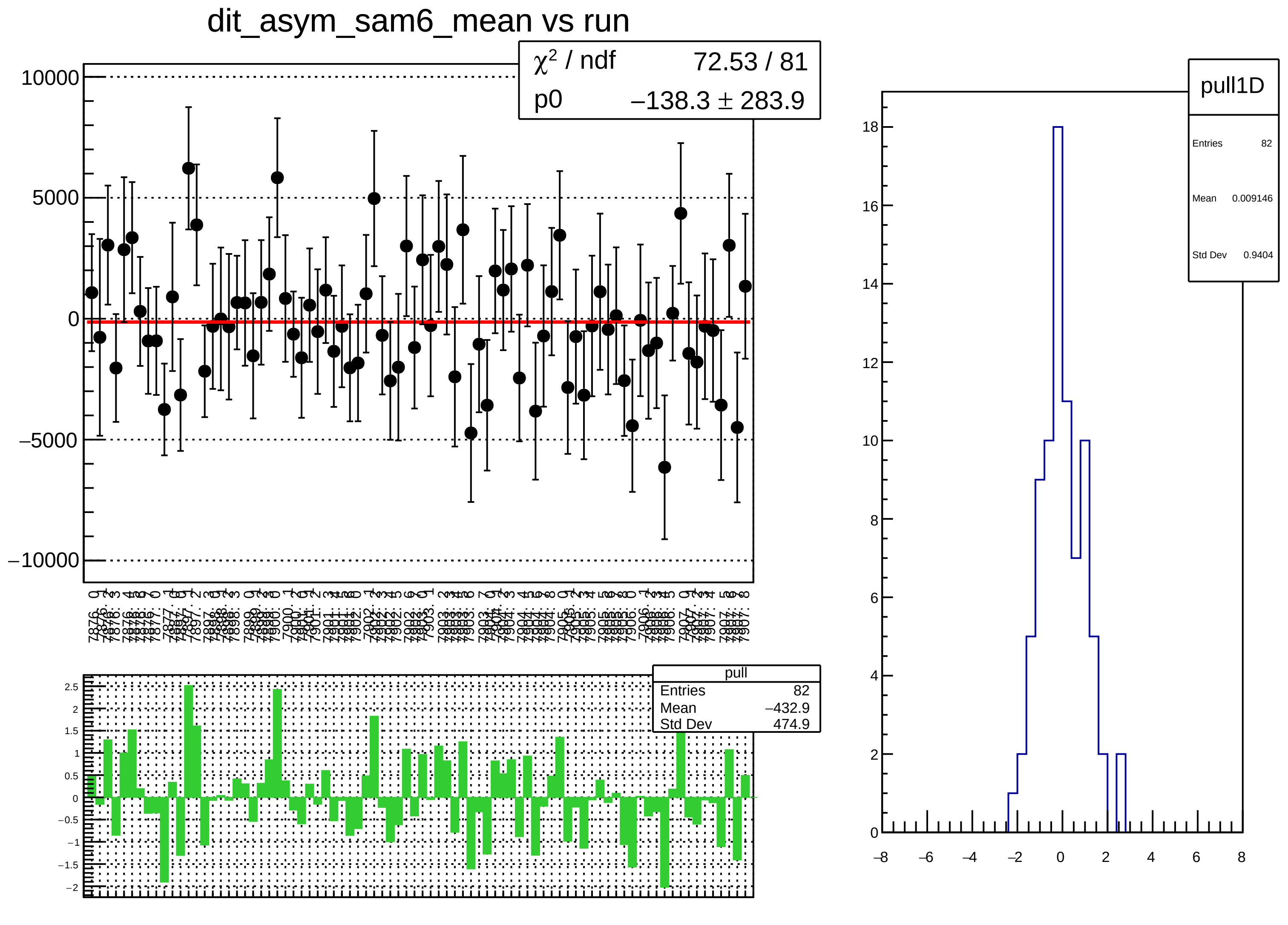


asym_sam5_correction_rms vs run
χ^2 / ndf 6.301e+04 / 81
p0 797.4 ± 0.645
1800
1600
1400
1200
1000
800
600

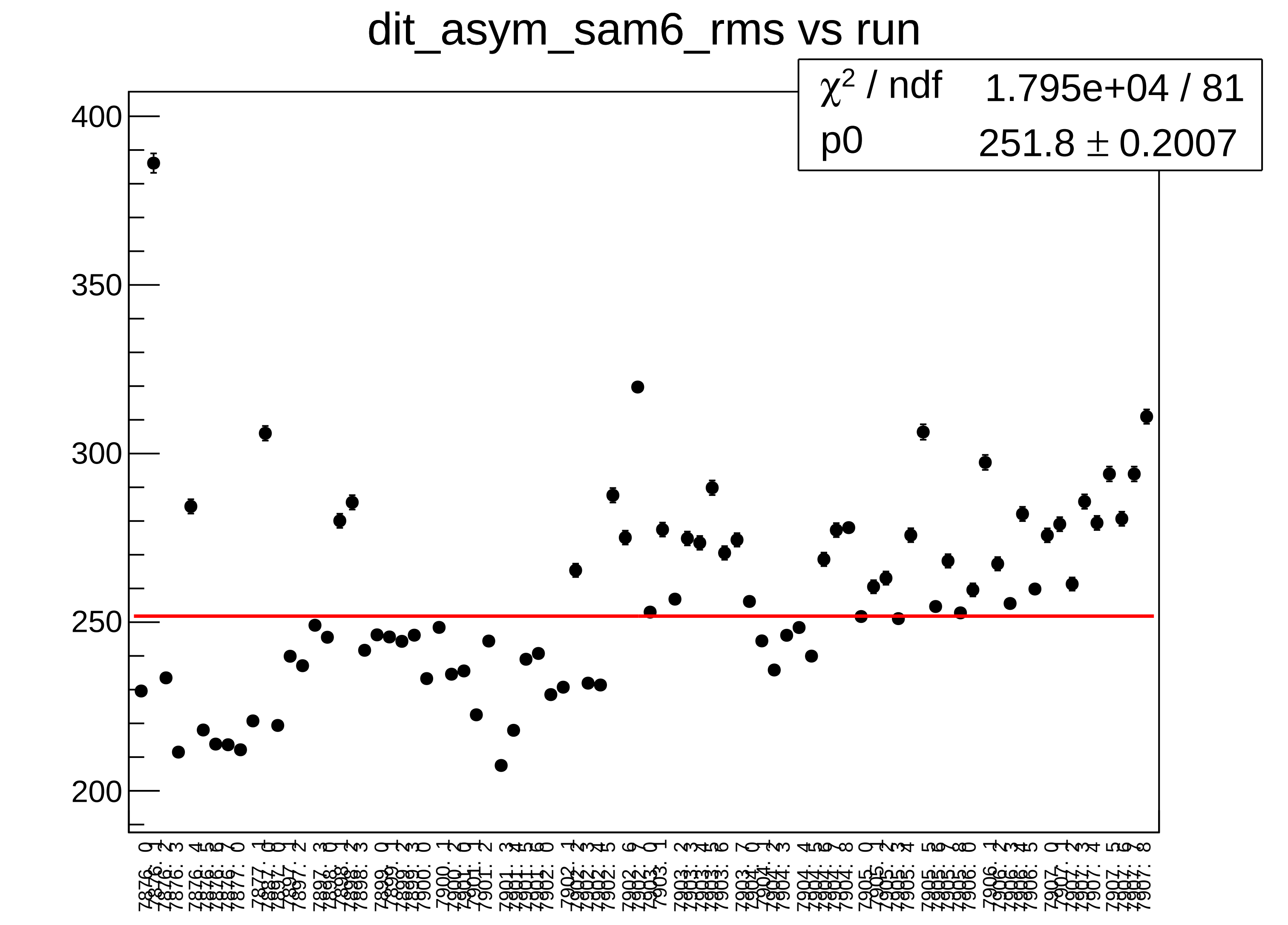

asym_sam5_mean vs run
χ^2 / ndf 65.96 / 81
p0 −572.7 ± 915
pull
Entries 82
Mean −291.2
Std Dev 341.1
pull1D
Entries 82
Mean 0.006638
Std Dev 0.8968



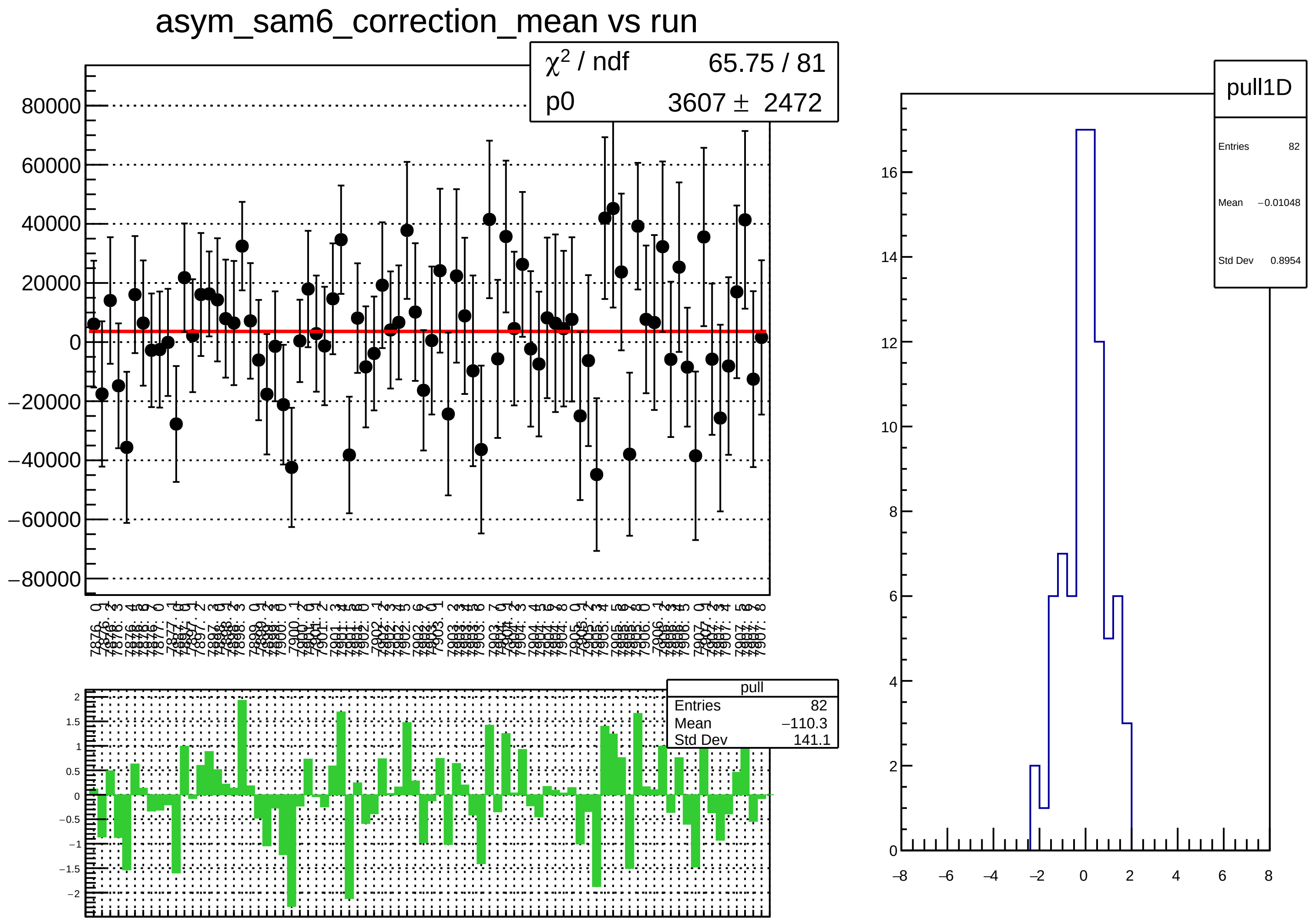
asym_sam5_rms vs run
χ2 / ndf 6.757e+04 / 81
p0 798.7 ± 0.647
1800
1600
1400
1200
1000
800
600



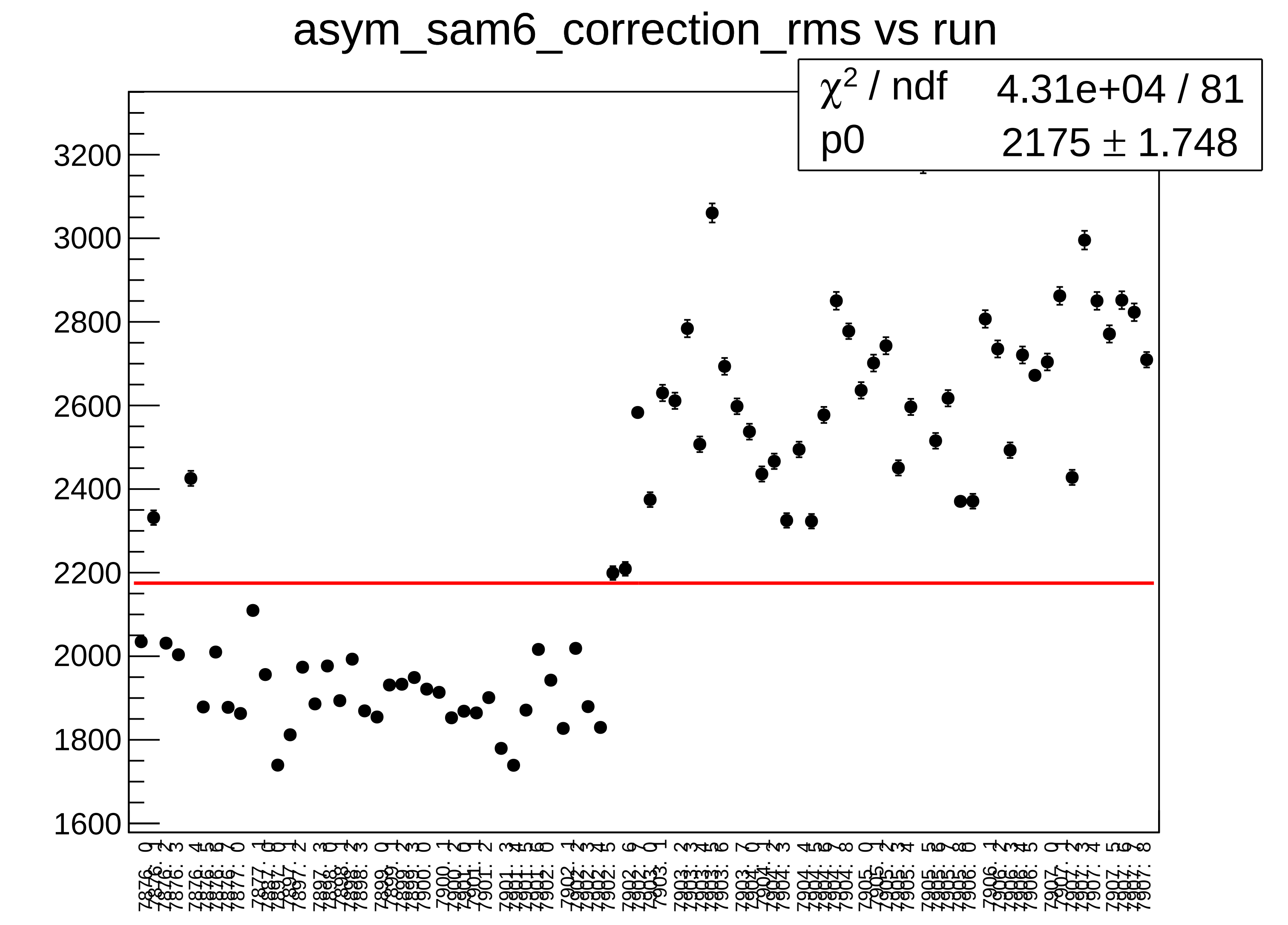
dit_asym_sam6_mean vs run
χ2 / ndf 72.53 / 81
p0 −138.3 ± 283.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −432.9
Std Dev 474.9
pull1D
Entries 82
Mean 0.009146
Std Dev 0.9404

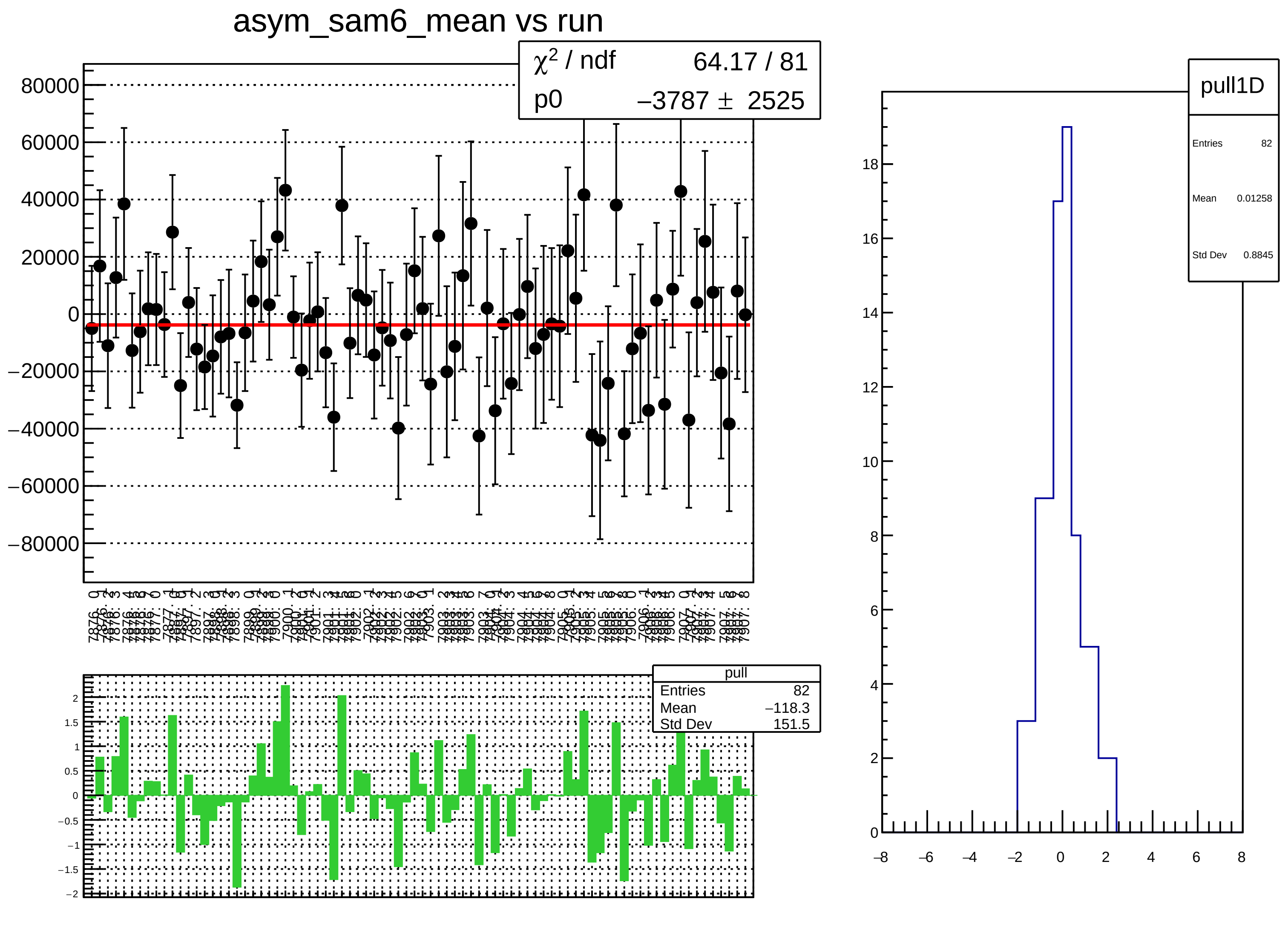


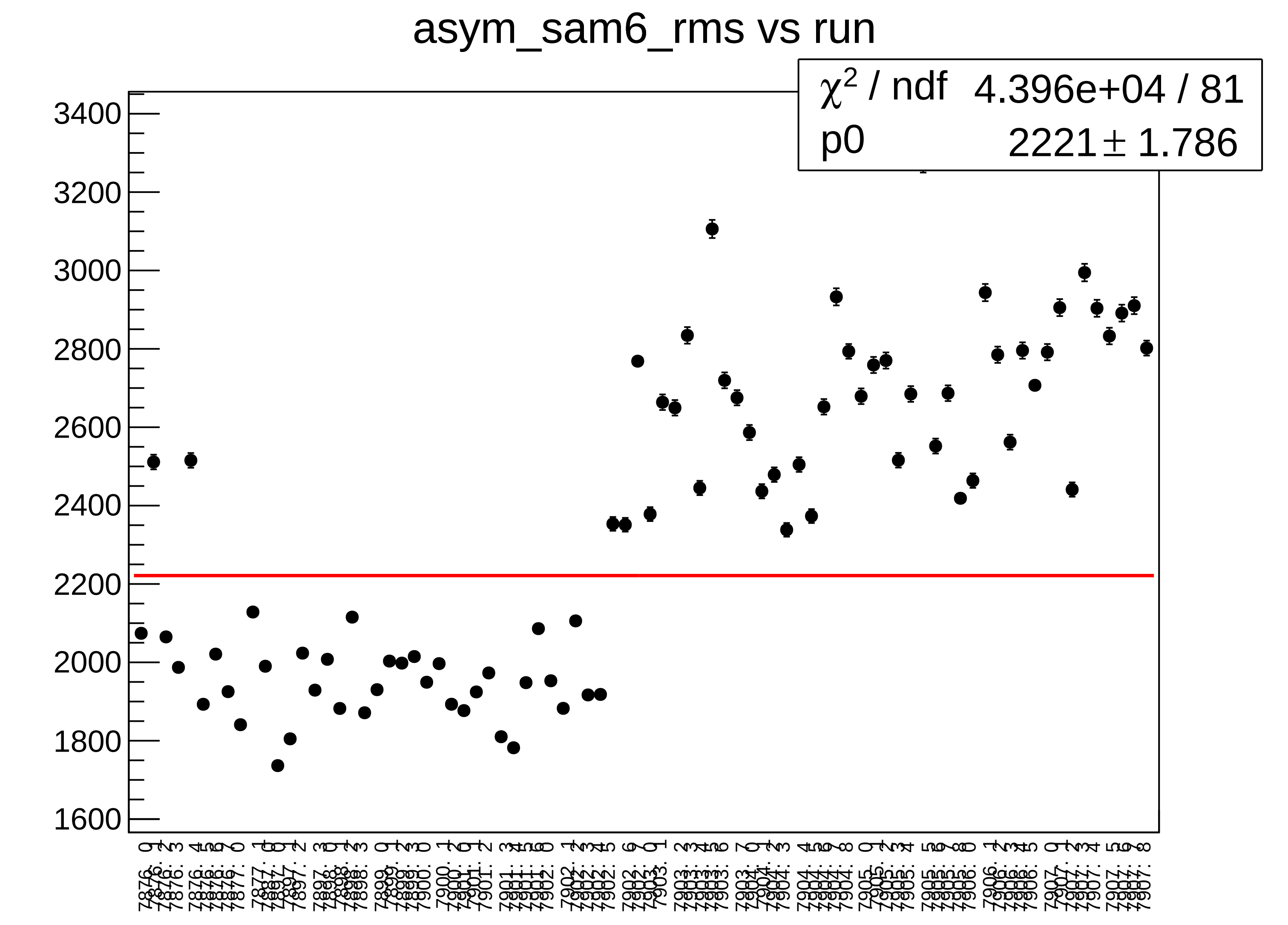
dit_asym_sam6_rms vs run
χ^2 / ndf 1.795e+04 / 81
p0 251.8 ± 0.2007

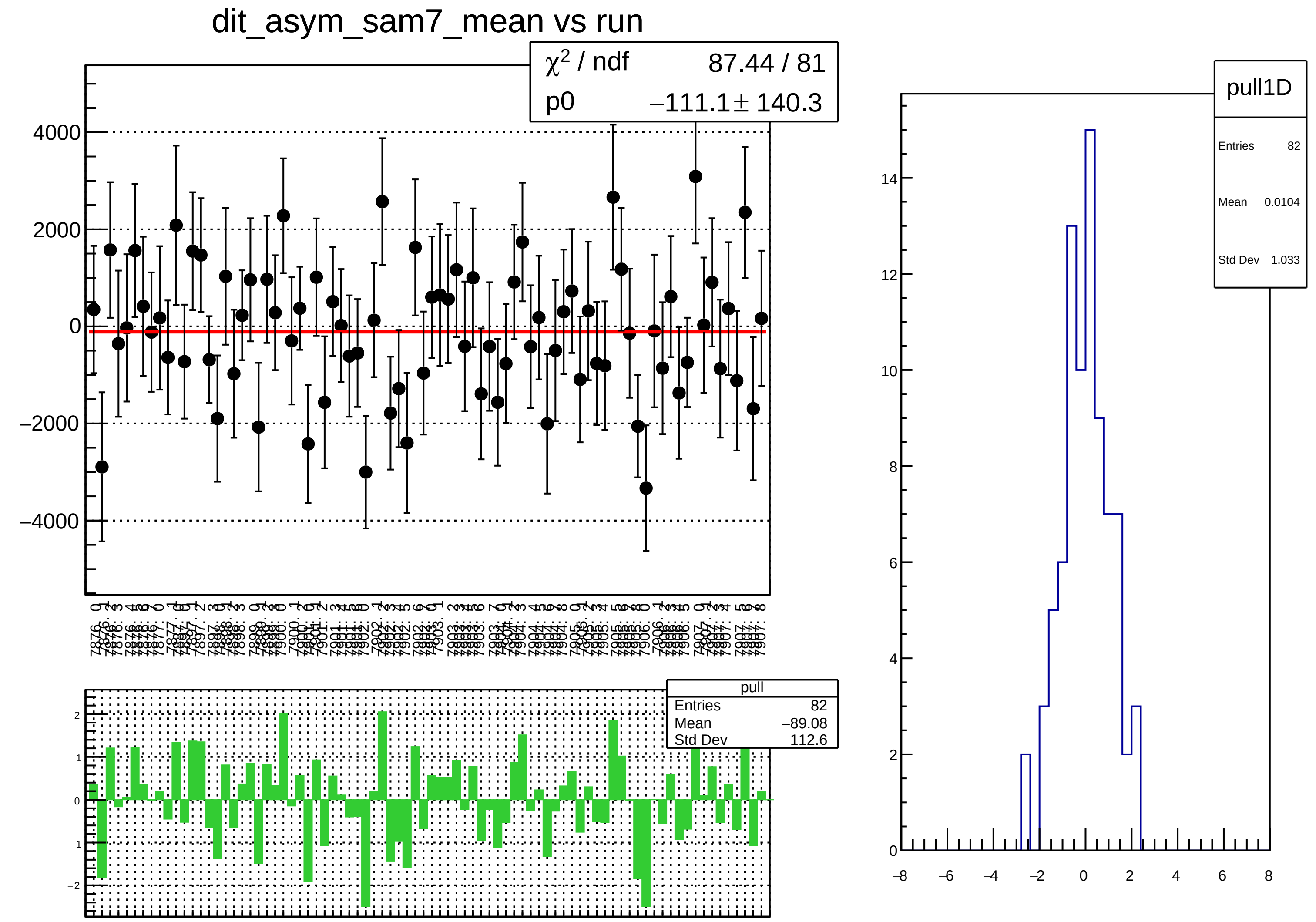


asym_sam6_correction_mean vs run
χ2 / ndf 65.75 / 81
p0 3607 ± 2472
pull
Entries 82
Mean −110.3
Std Dev 141.1
pull1D
Entries 82
Mean −0.01048
Std Dev 0.8954

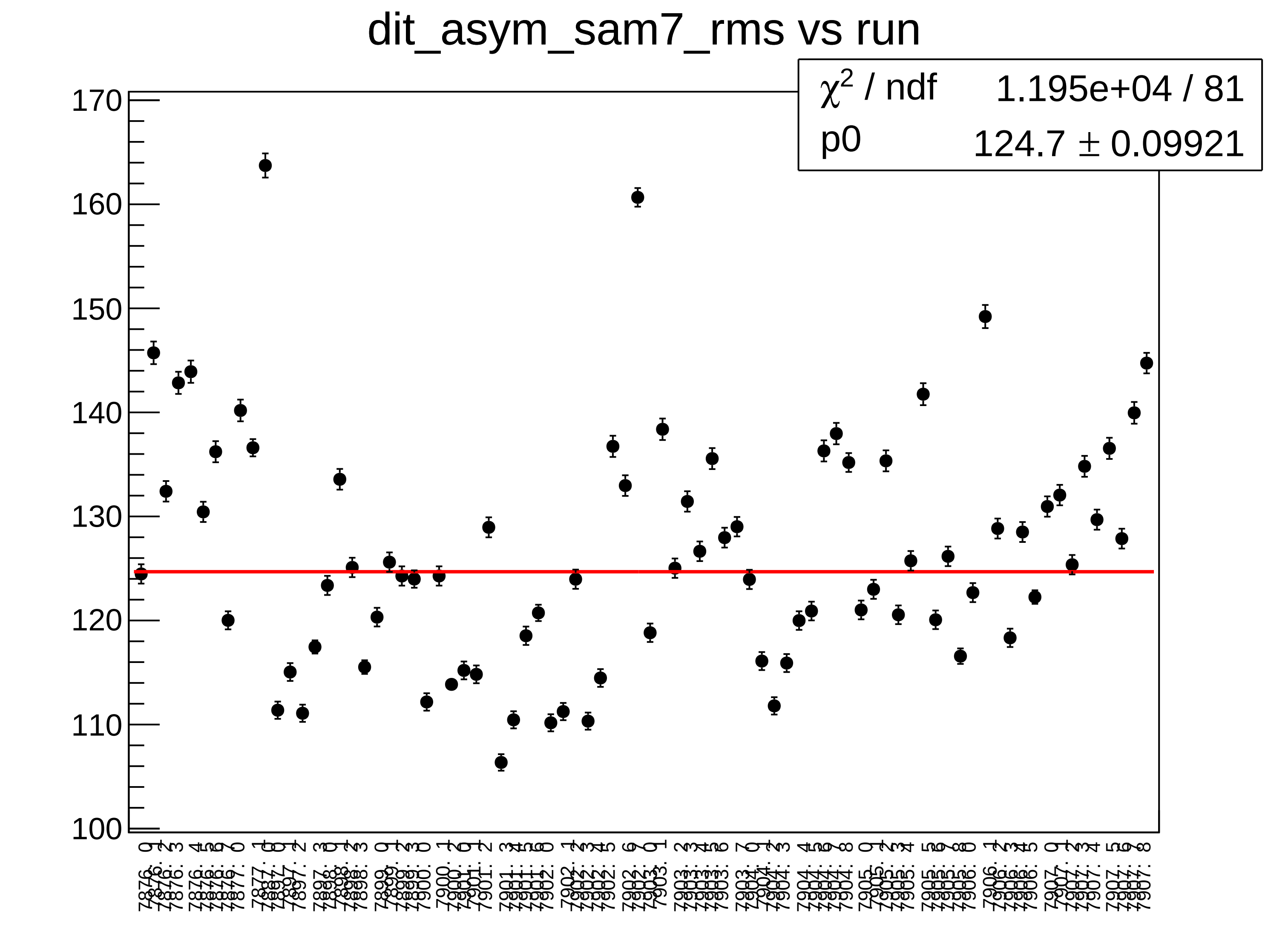

asym_sam6_correction_rms vs run
χ^2 / ndf 4.31e+04 / 81
p0 2175 ± 1.748
3200
3000
2800
2600
2400
2200
2000
1800
1600


asym_sam6_mean vs run
χ2 / 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

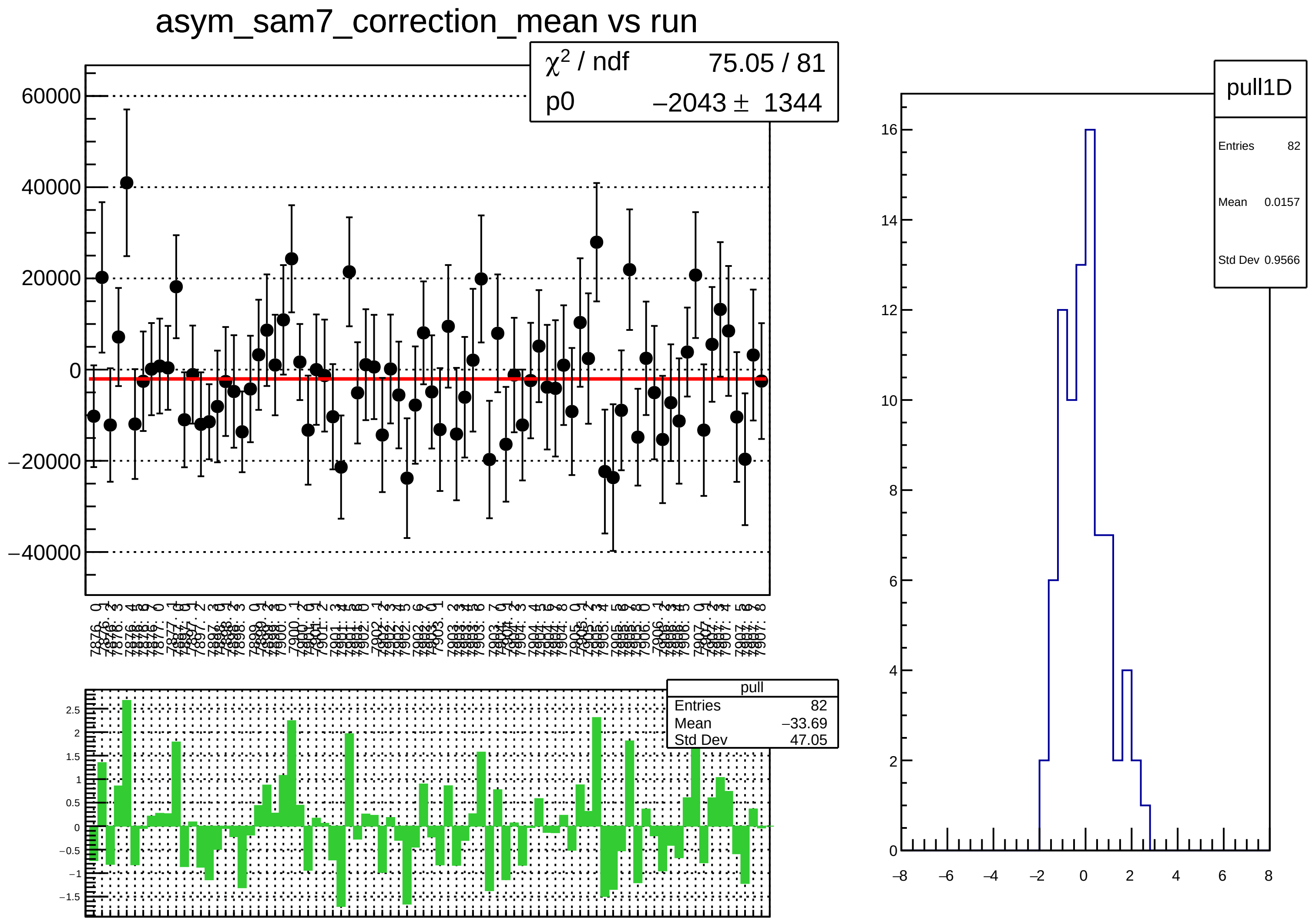

asym_sam6_rms vs run
χ^2 / ndf 4.396e+04 / 81
p0 2221 ± 1.786
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600



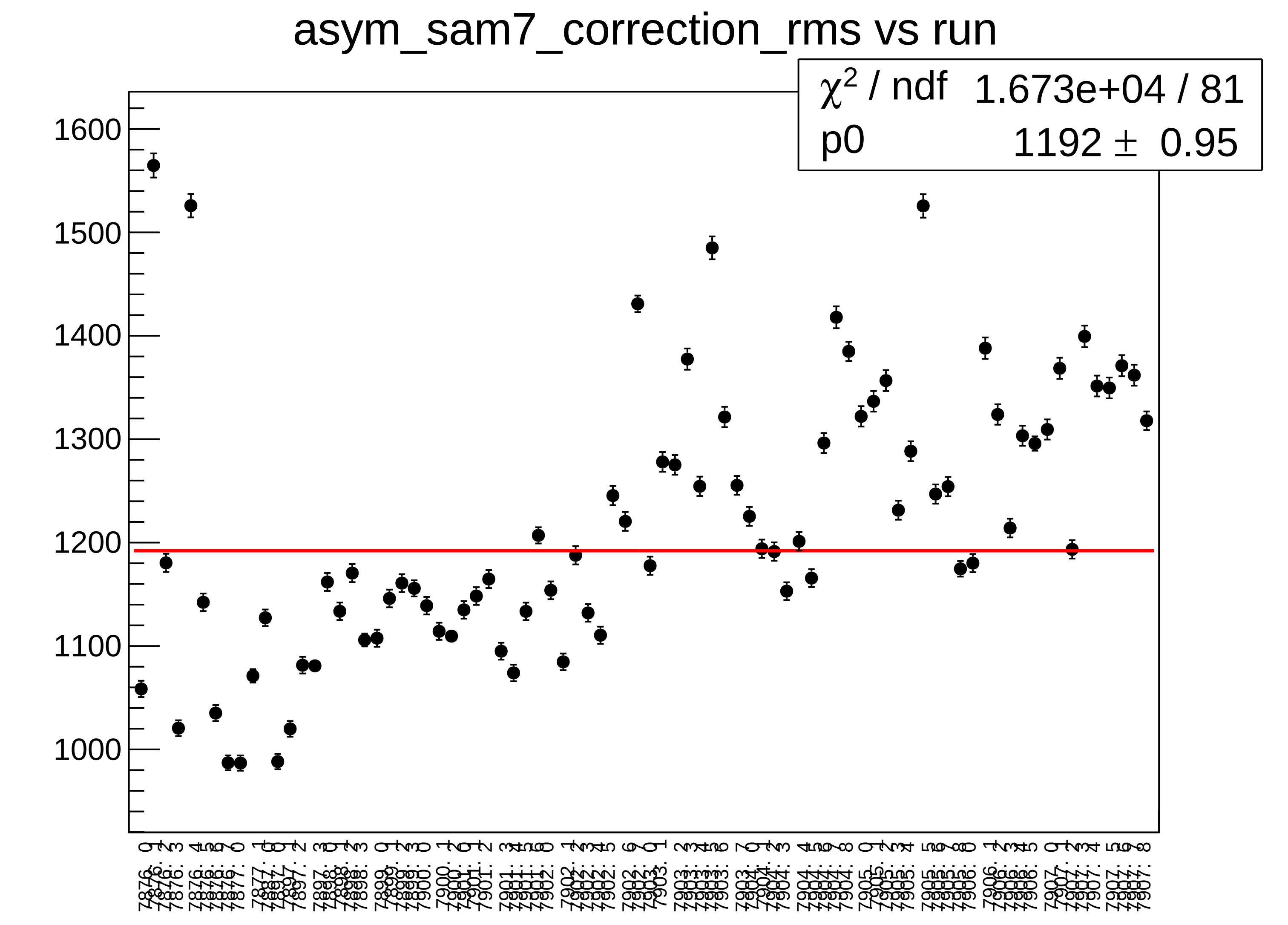
dit_asym_sam7_mean vs run
χ^2 / ndf 87.44 / 81
p0 −111.1 ± 140.3
pull
Entries 82
Mean −89.08
Std Dev 112.6
pull1D
Entries 82
Mean 0.0104
Std Dev 1.033



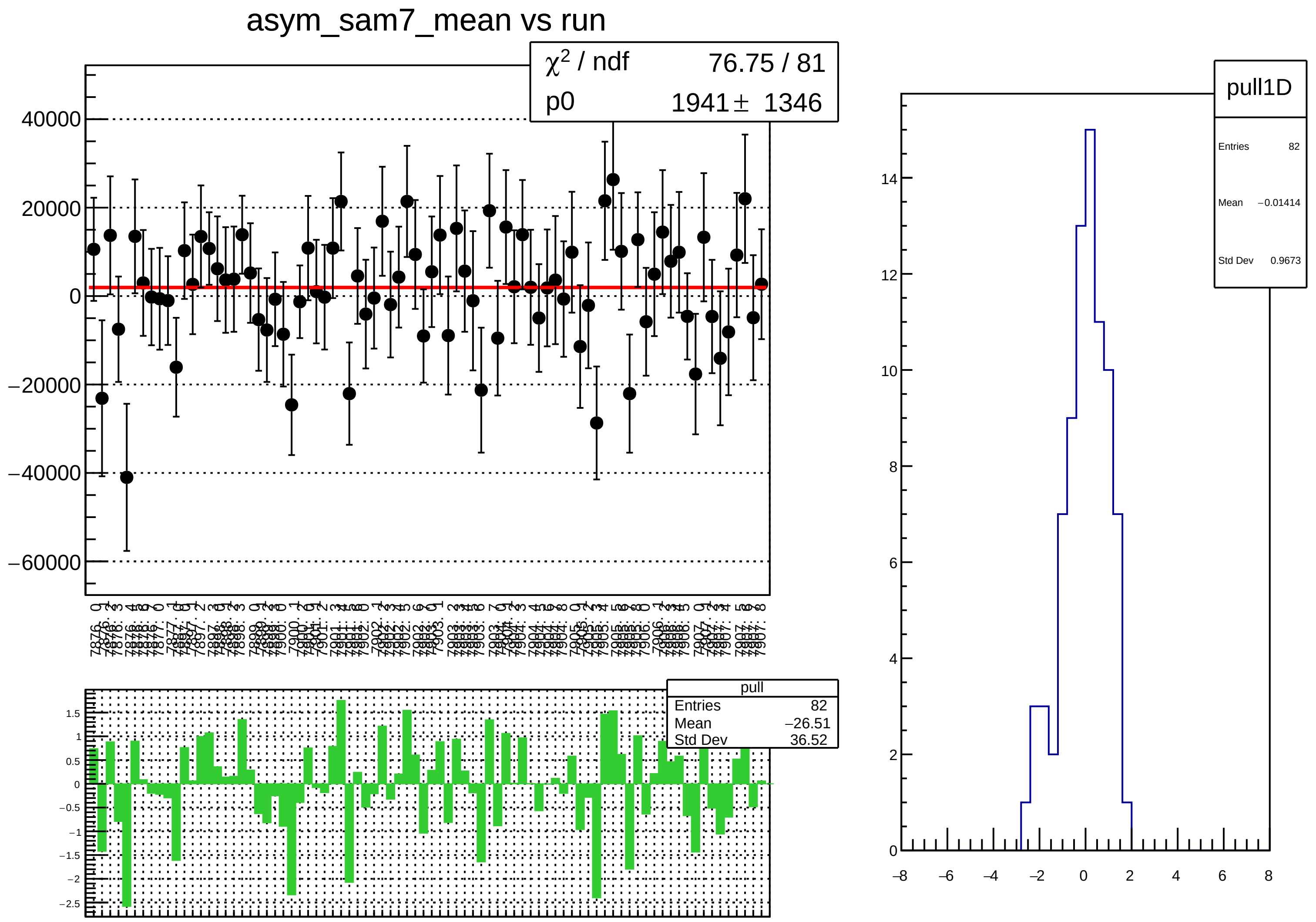
dit_asym_sam7_rms vs run
χ^2 / ndf 1.195e+04 / 81
p0 124.7 ± 0.09921
170
160
150
140
130
120
110
100



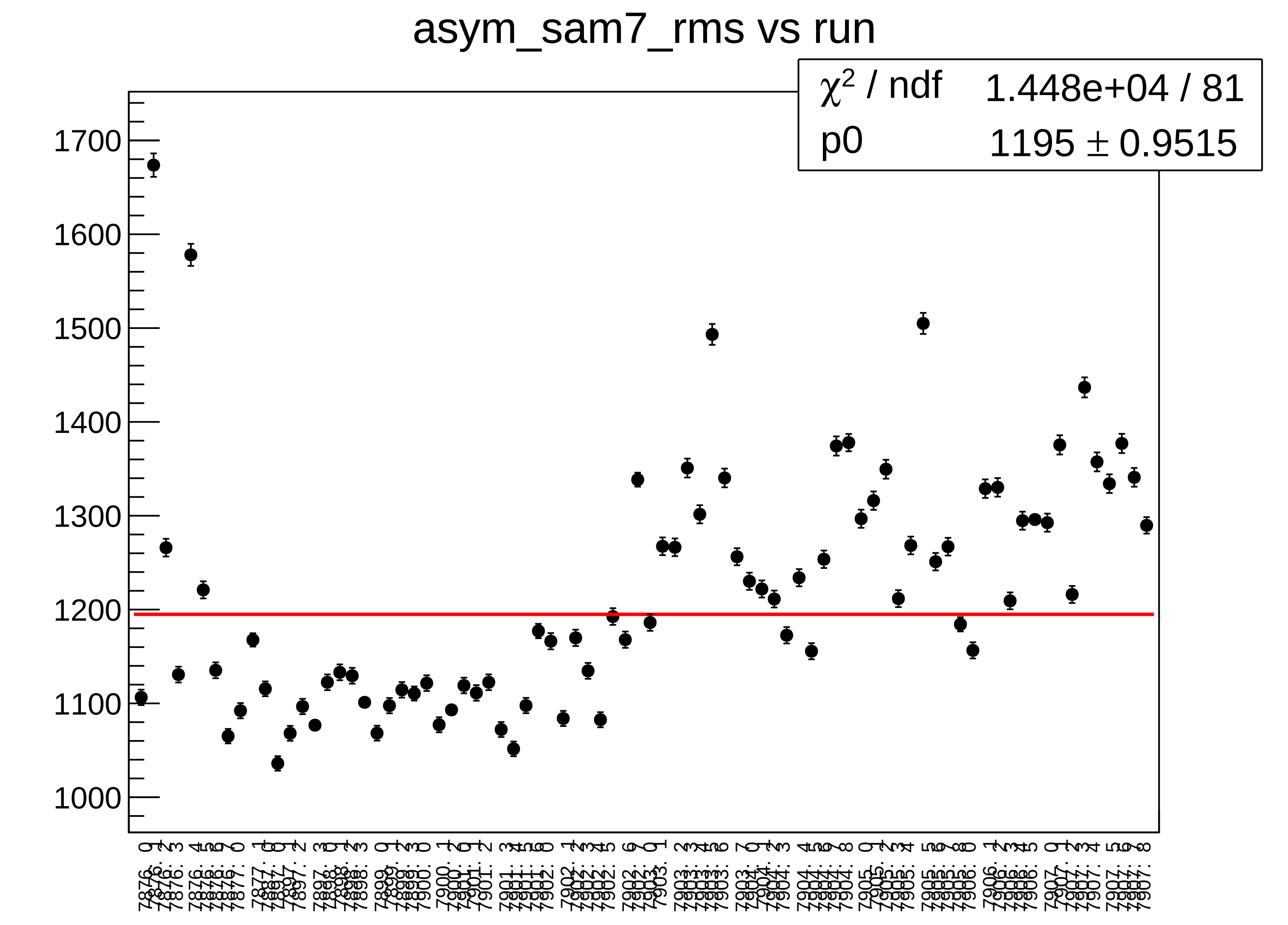
asym_sam7_correction_mean vs run
χ^2 / ndf 75.05 / 81
p0 −2043 ± 1344
pull
Entries 82
Mean −33.69
Std Dev 47.05
pull1D
Entries 82
Mean 0.0157
Std Dev 0.9566



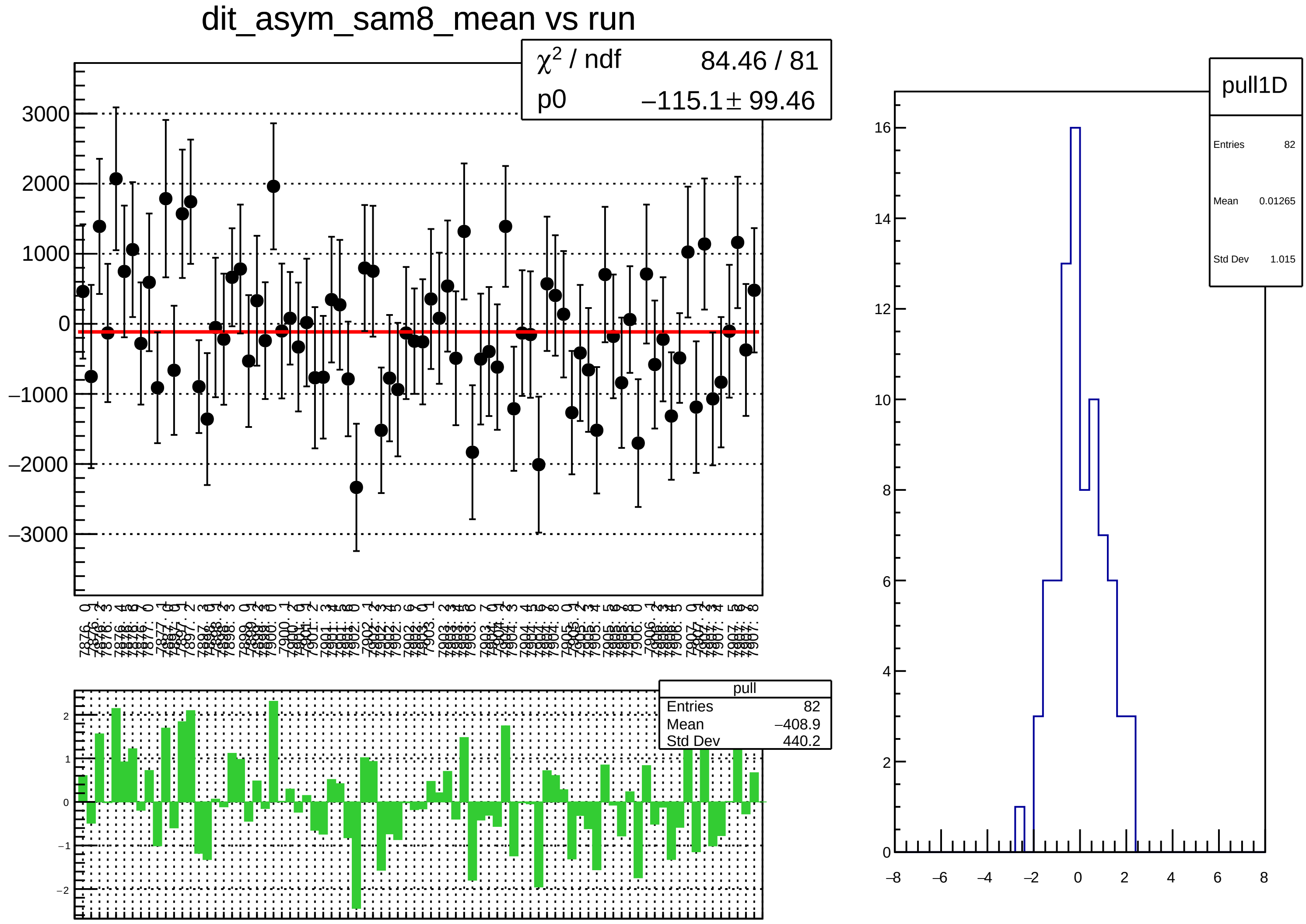
asym_sam7_correction_rms vs run
χ^2 / ndf 1.673e+04 / 81
p0 1192 ± 0.95
1600
1500
1400
1300
1200
1100
1000

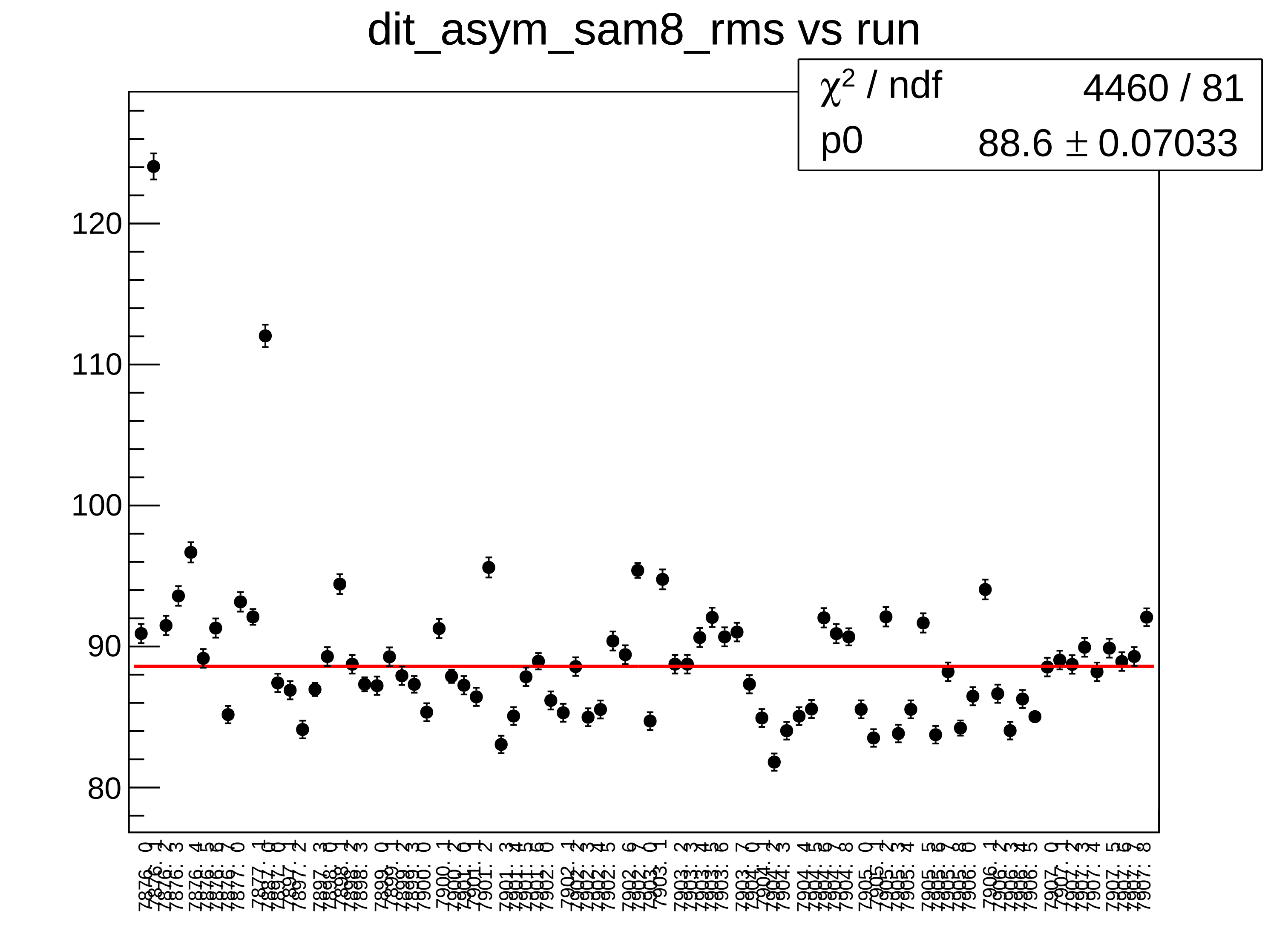


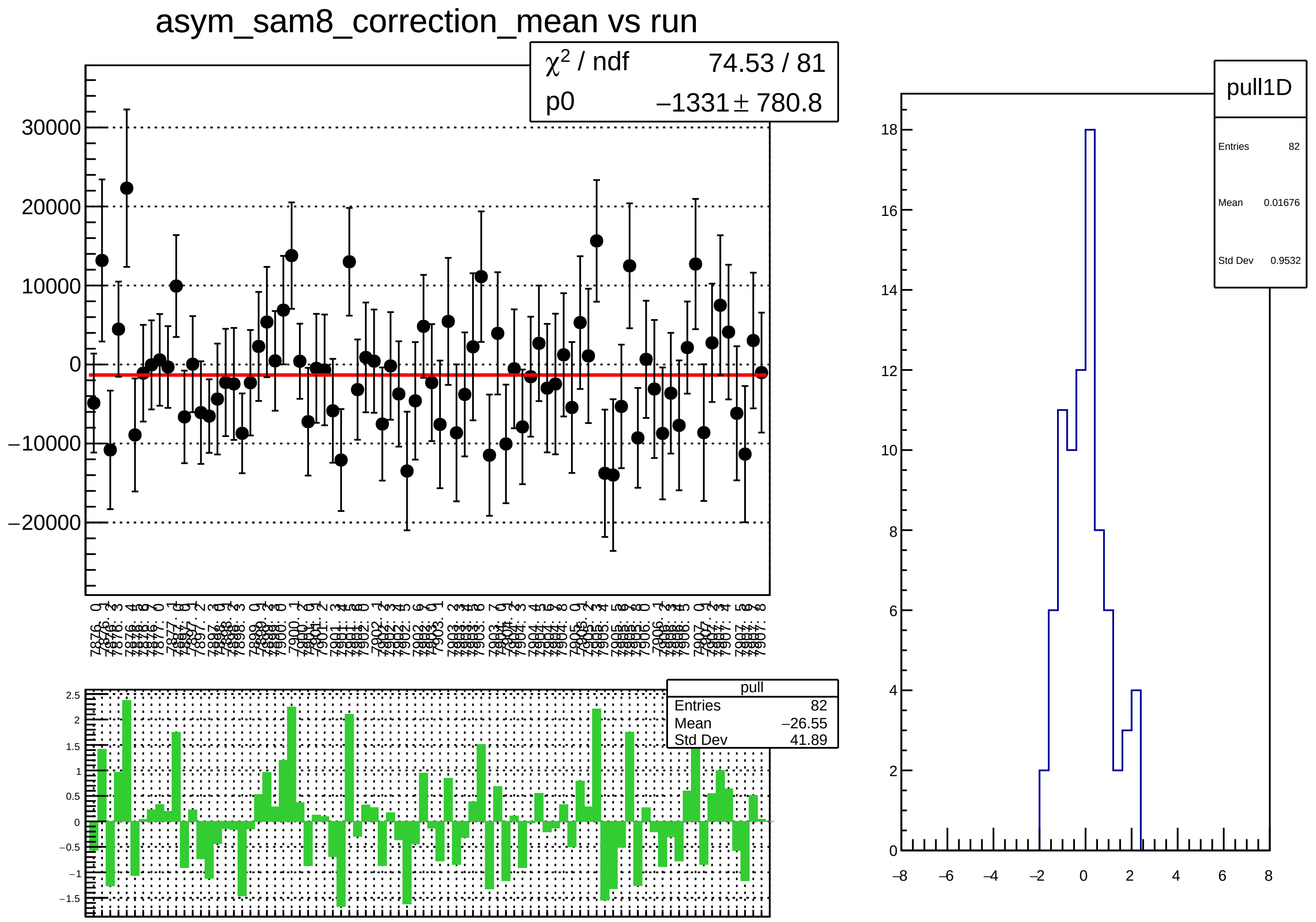
asym_sam7_mean vs run
χ2 / ndf 76.75 / 81
p0 1941 ± 1346
pull
Entries 82
Mean −26.51
Std Dev 36.52
pull1D
Entries 82
Mean −0.01414
Std Dev 0.9673



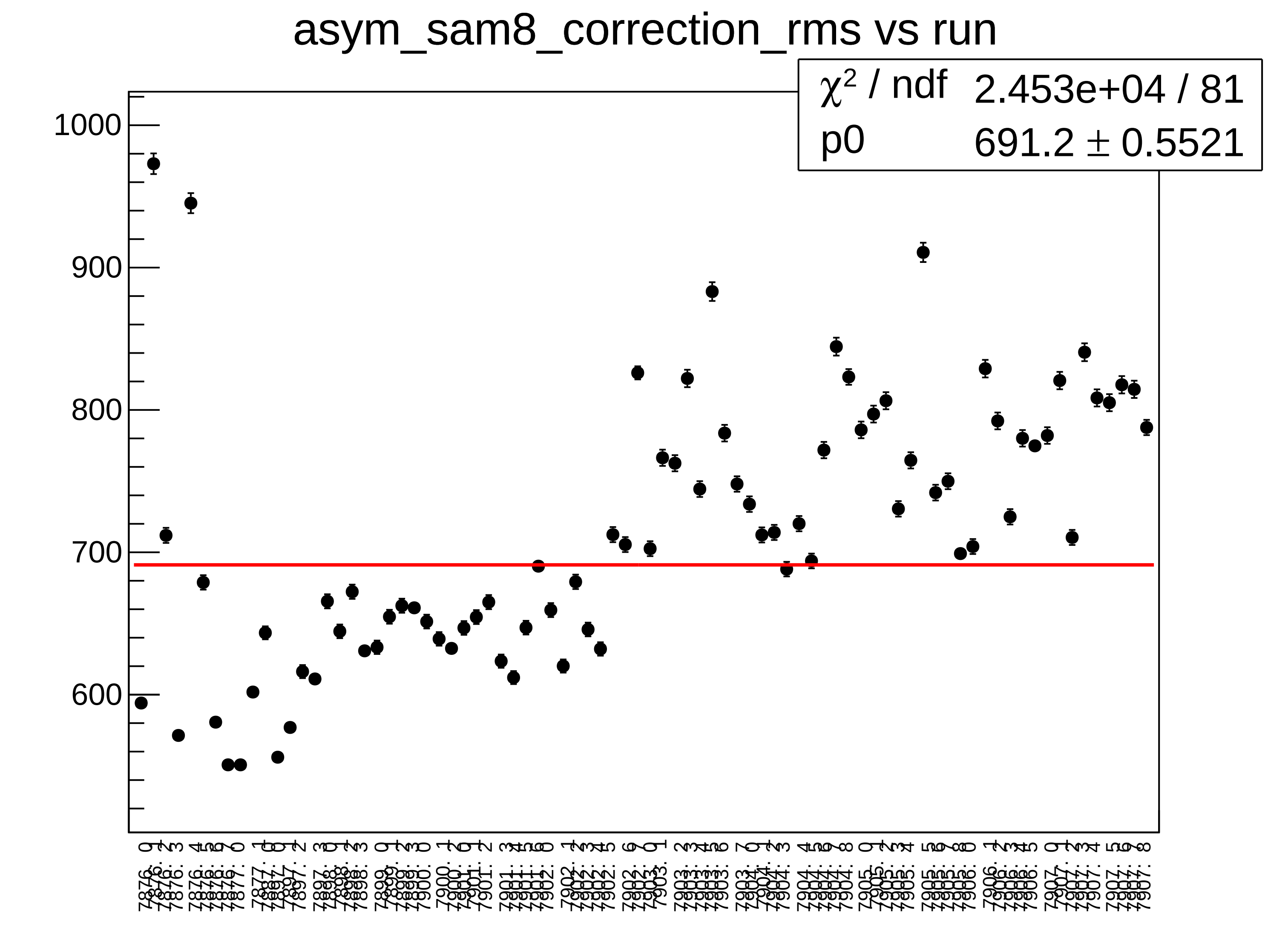
asym_sam7_rms vs run
χ2 / ndf 1.448e+04 / 81
p0 1195 ± 0.9515
1700
1600
1500
1400
1300
1200
1100
1000


dit_asym_sam8_mean vs run
χ^2 / ndf 84.46 / 81
p0 −115.1 ± 99.46
pull
Entries 82
Mean −408.9
Std Dev 440.2
pull1D
Entries 82
Mean 0.01265
Std Dev 1.015

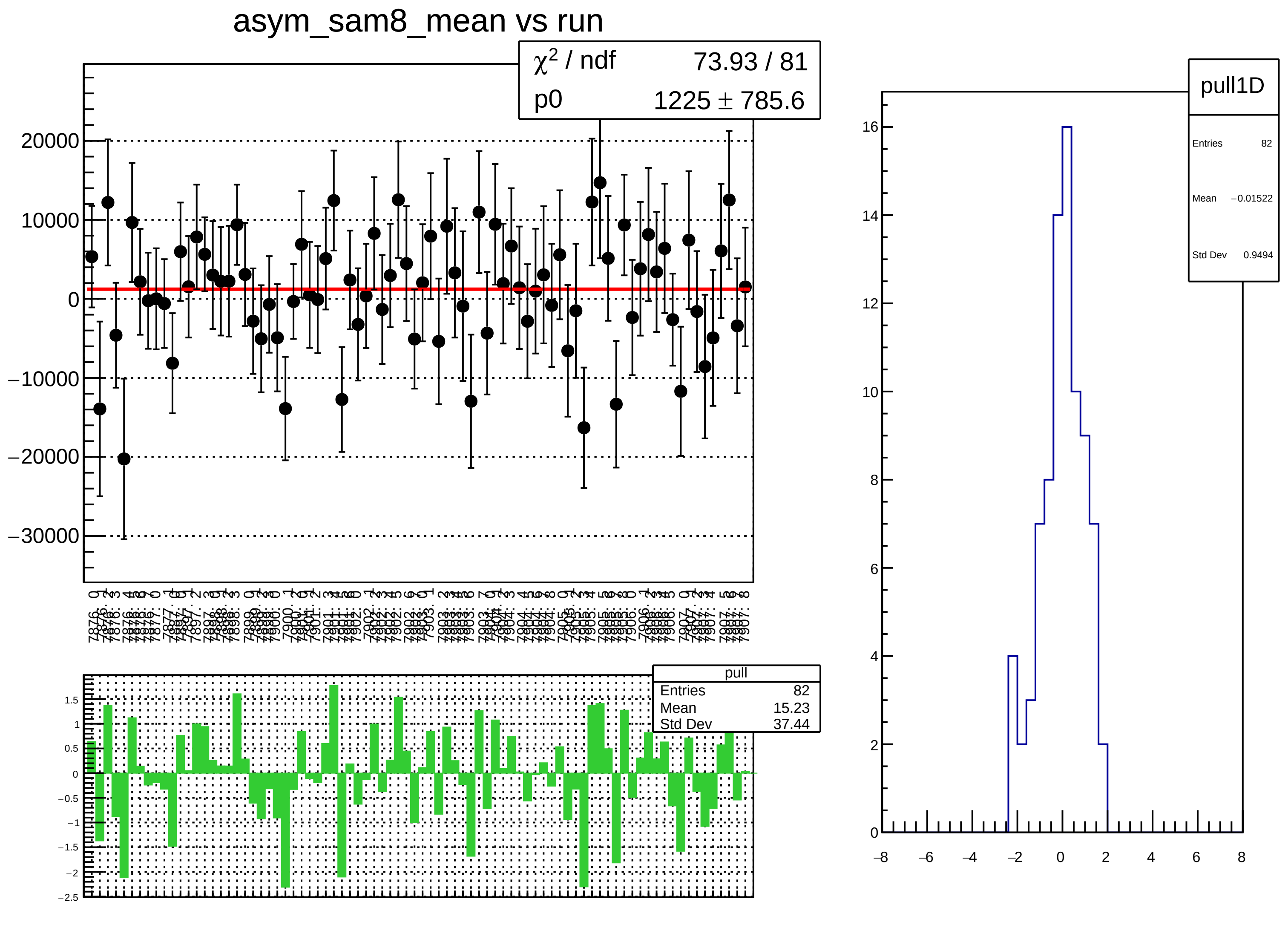

dit_asym_sam8_rms vs run
χ2 / ndf 4460 / 81
p0 88.6 ± 0.07033
120
110
100
90
80



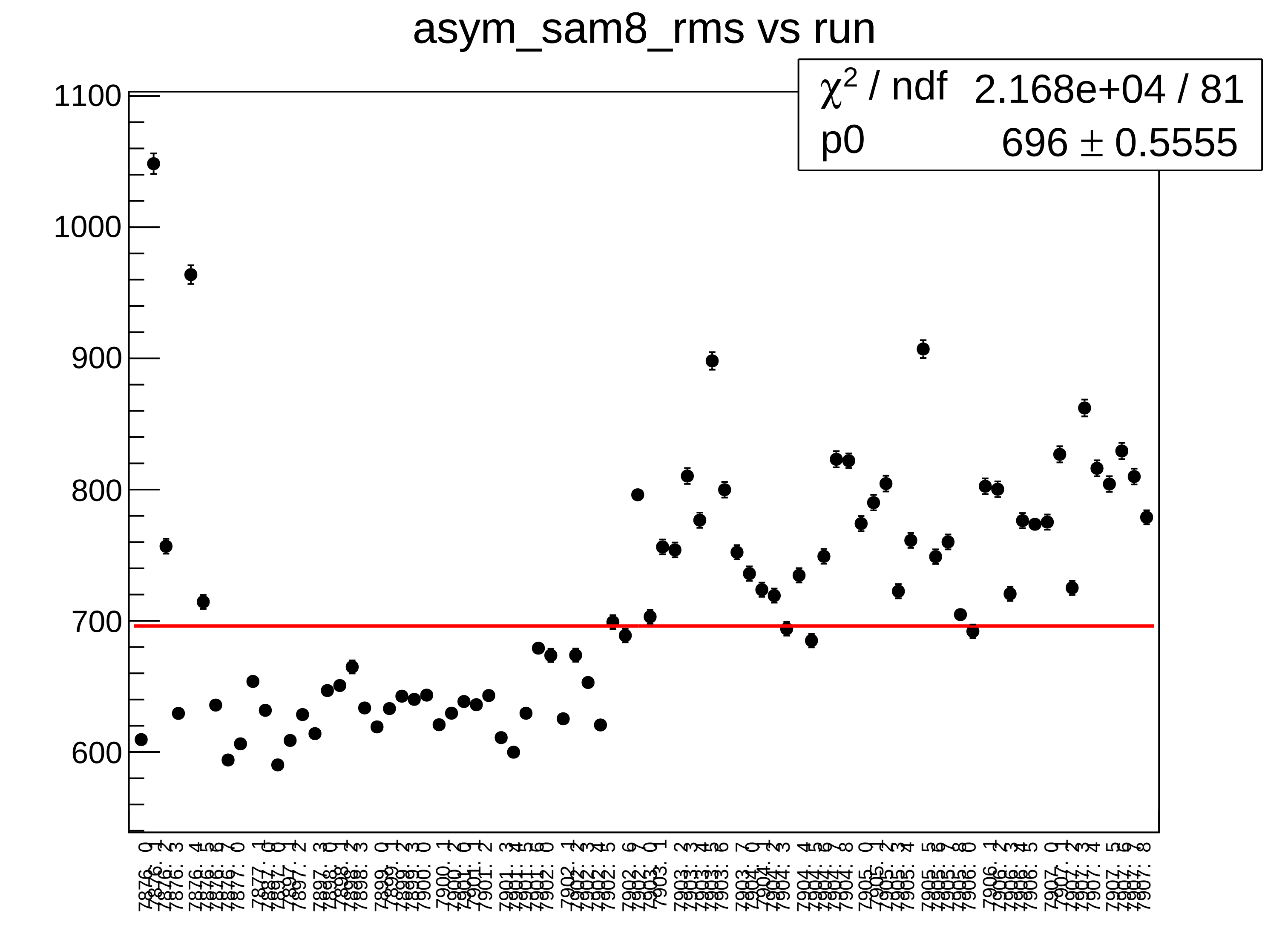
asym_sam8_correction_mean vs run
χ2 / ndf 74.53 / 81
p0 −1331 ± 780.8
pull
Entries 82
Mean −26.55
Std Dev 41.89
pull1D
Entries 82
Mean 0.01676
Std Dev 0.9532

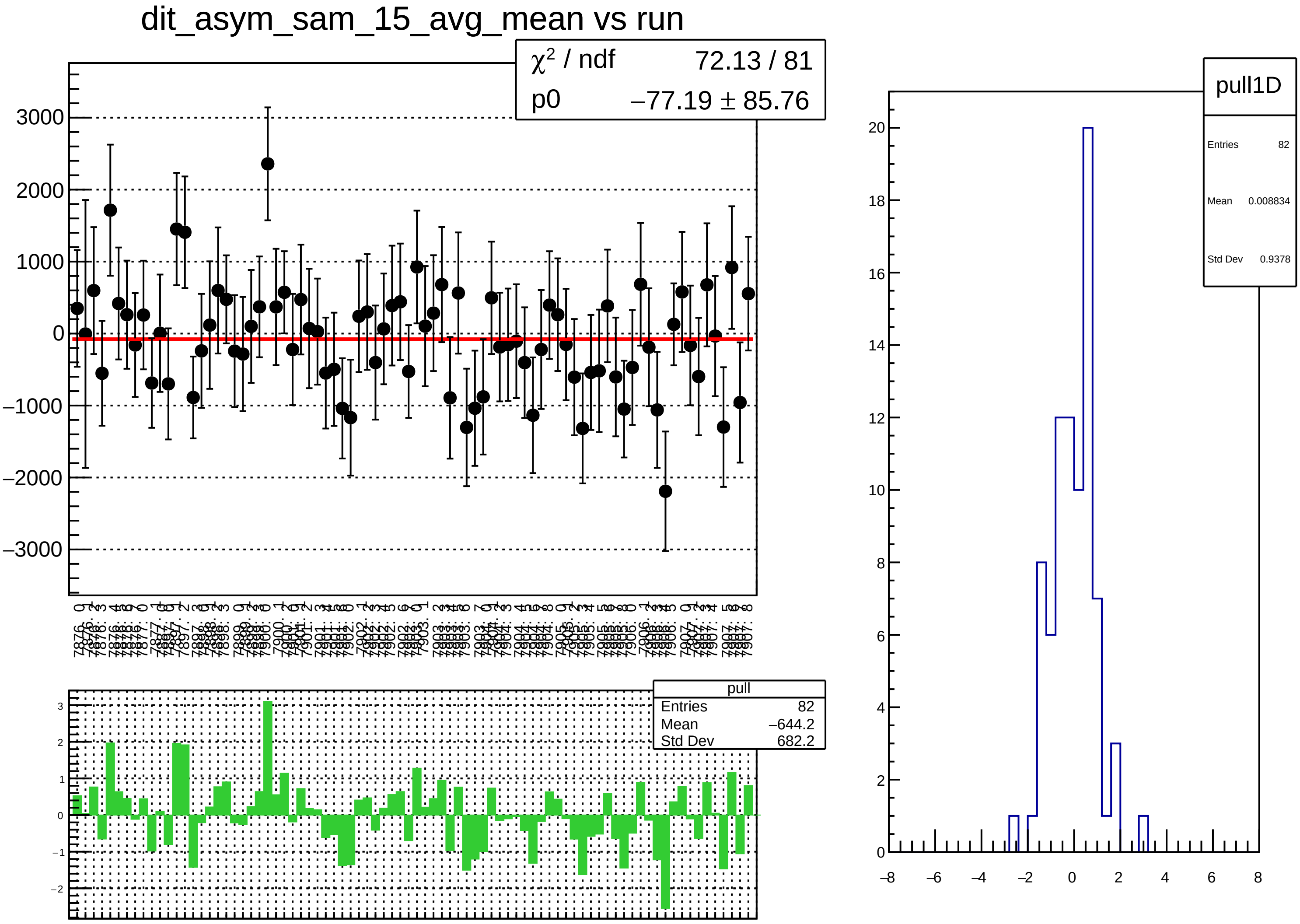


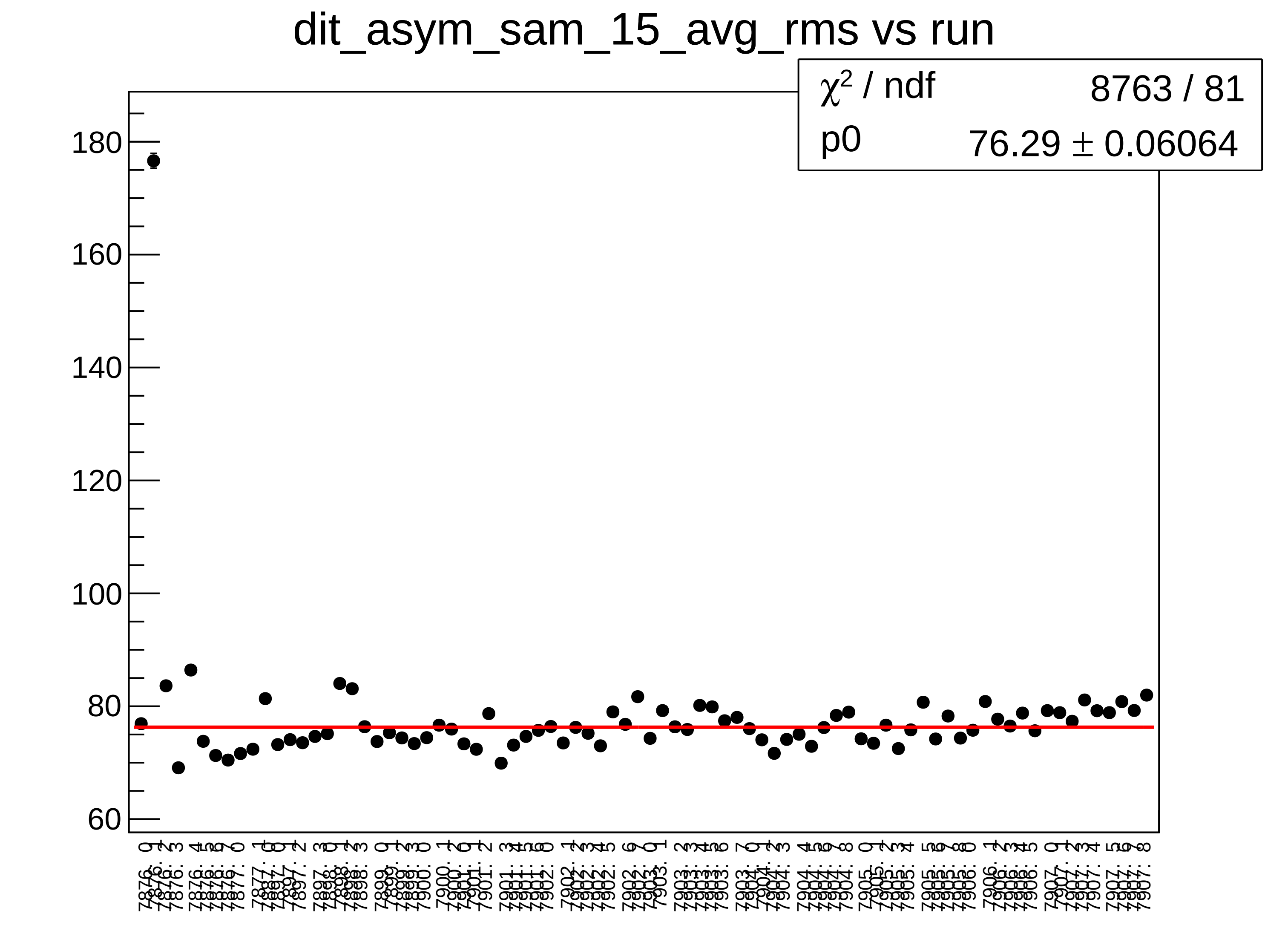
asym_sam8_correction_rms vs run
χ2 / ndf 2.453e+04 / 81
p0 691.2 ± 0.5521
1000
900
800
700
600



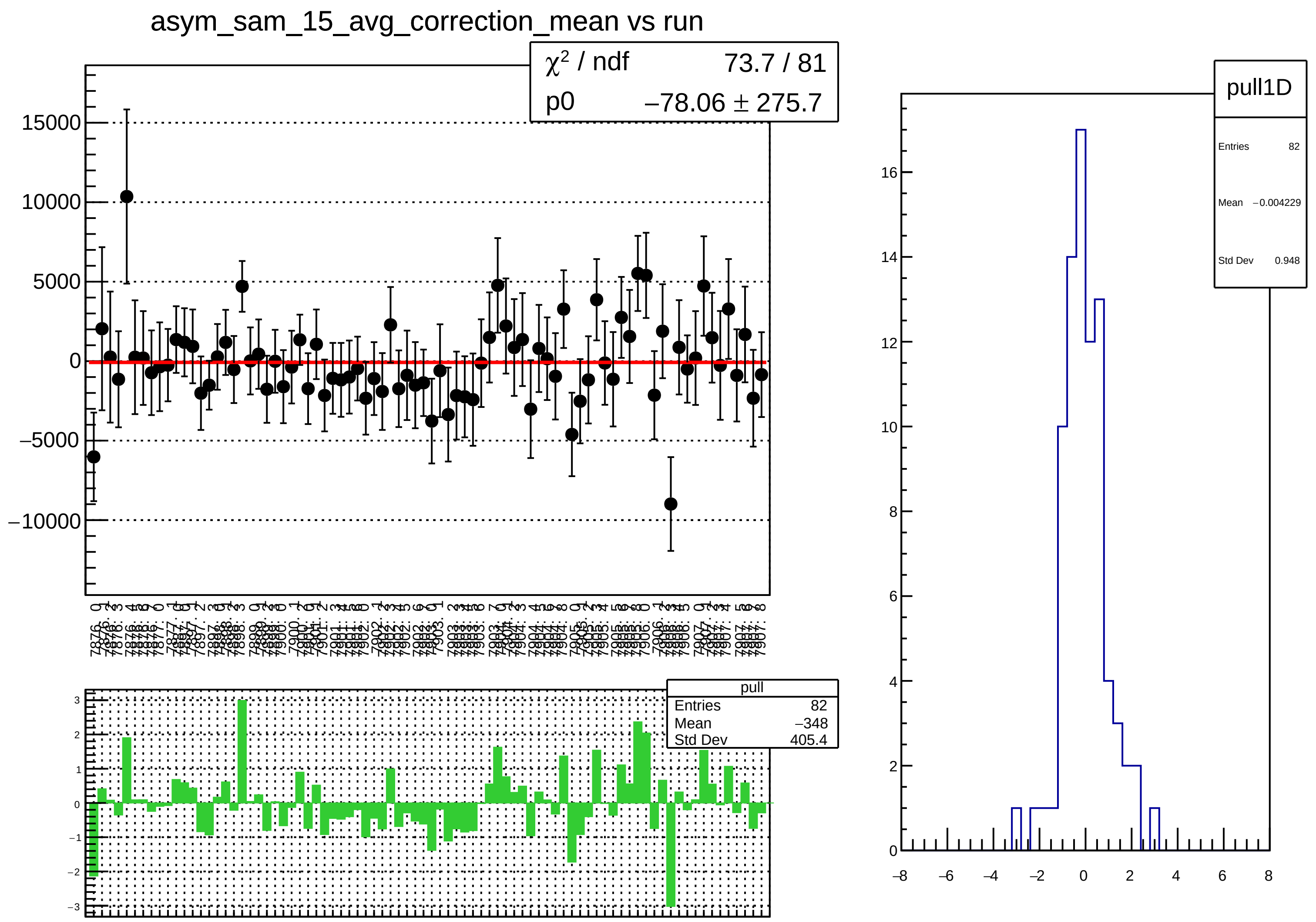
asym_sam8_mean vs run
χ2 / ndf 73.93 / 81
p0 1225 ± 785.6
pull
Entries 82
Mean 15.23
Std Dev 37.44
pull1D
Entries 82
Mean −0.01522
Std Dev 0.9494


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

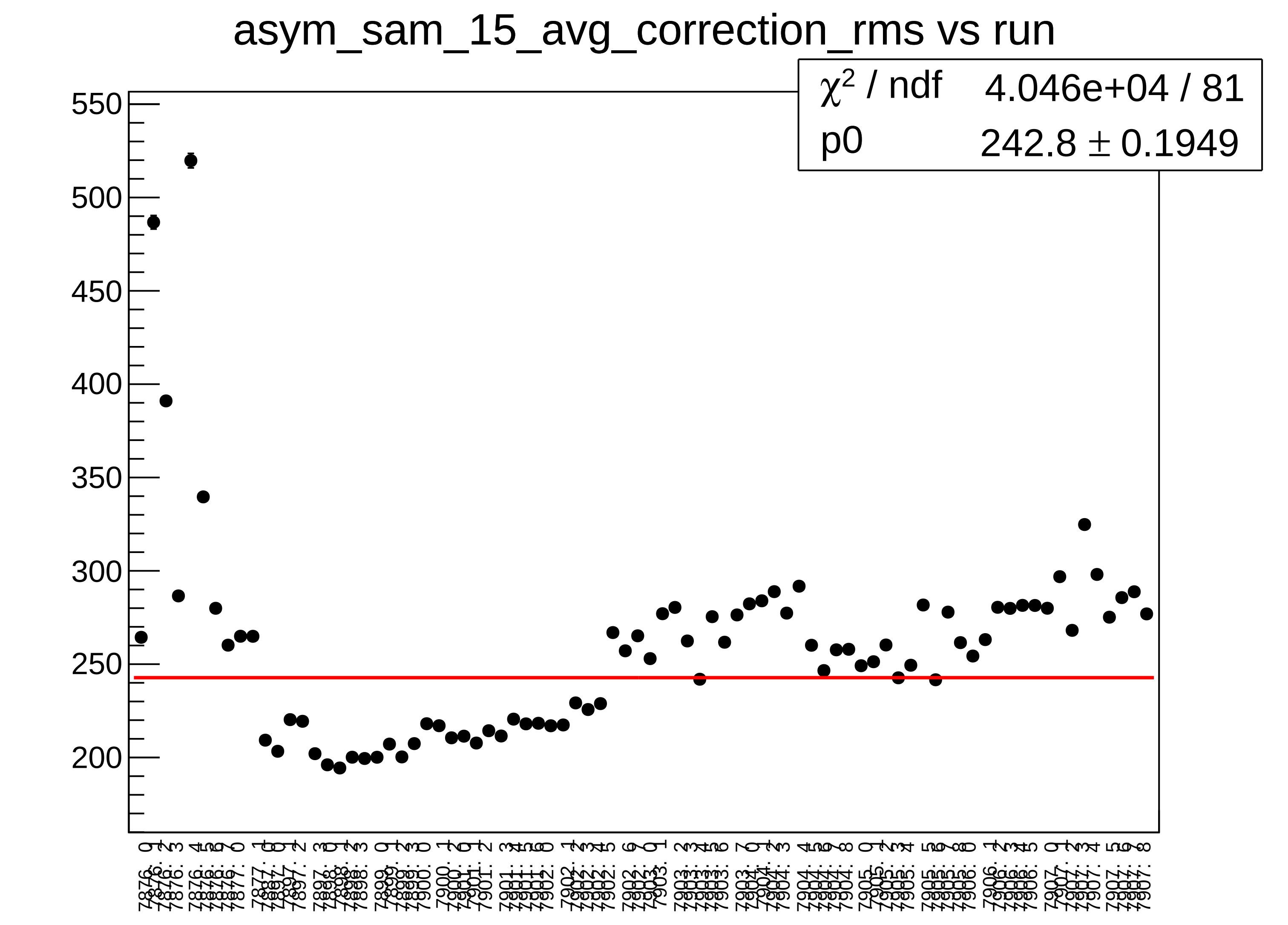

dit_asym_sam_15_avg_mean vs run
χ2 / ndf 72.13 / 81
p0 −77.19 ± 85.76
pull
Entries 82
Mean −644.2
Std Dev 682.2
pull1D
Entries 82
Mean 0.008834
Std Dev 0.9378



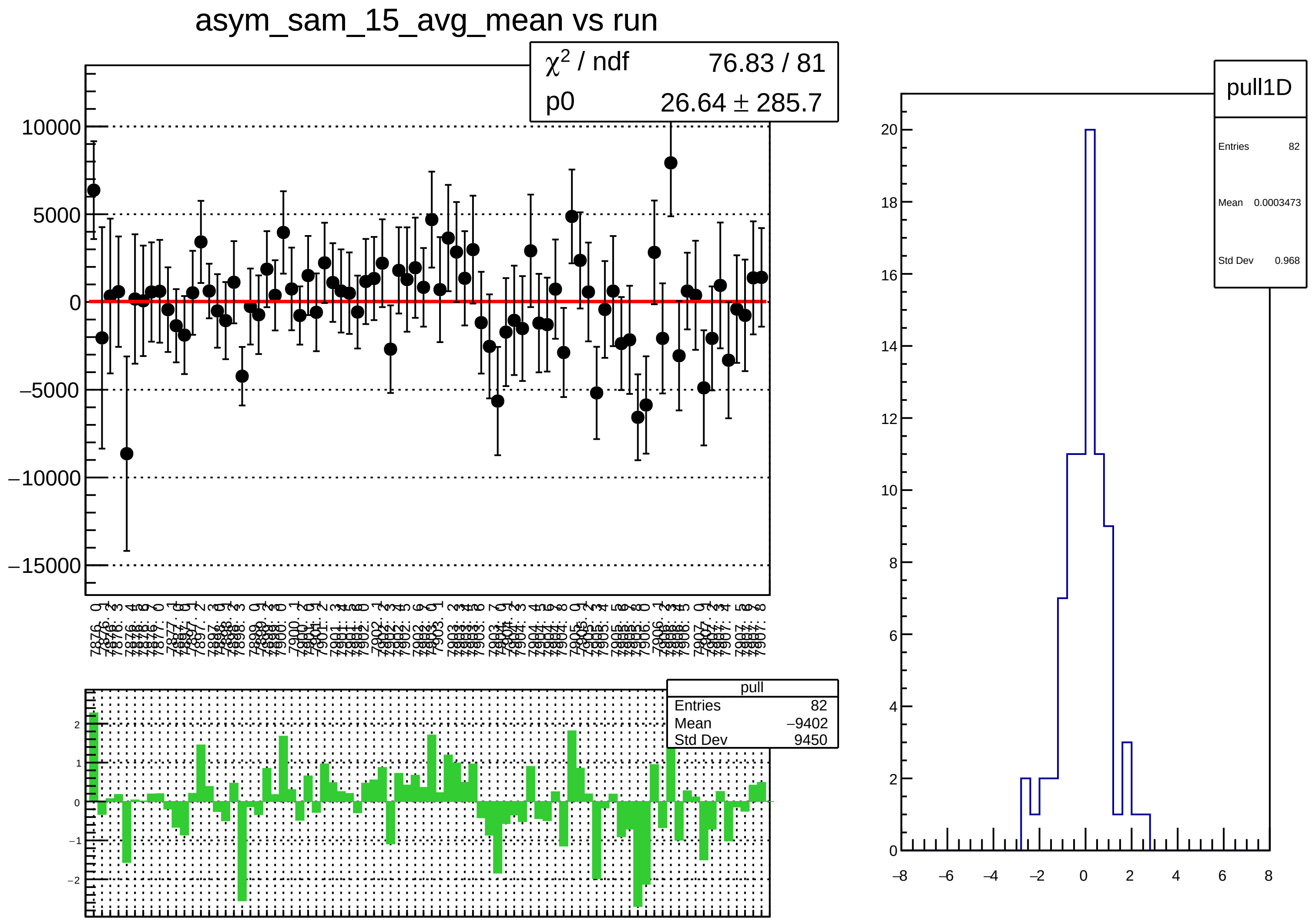
dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 8763 / 81
p0 76.29 ± 0.06064
180
160
140
120
100
80
60



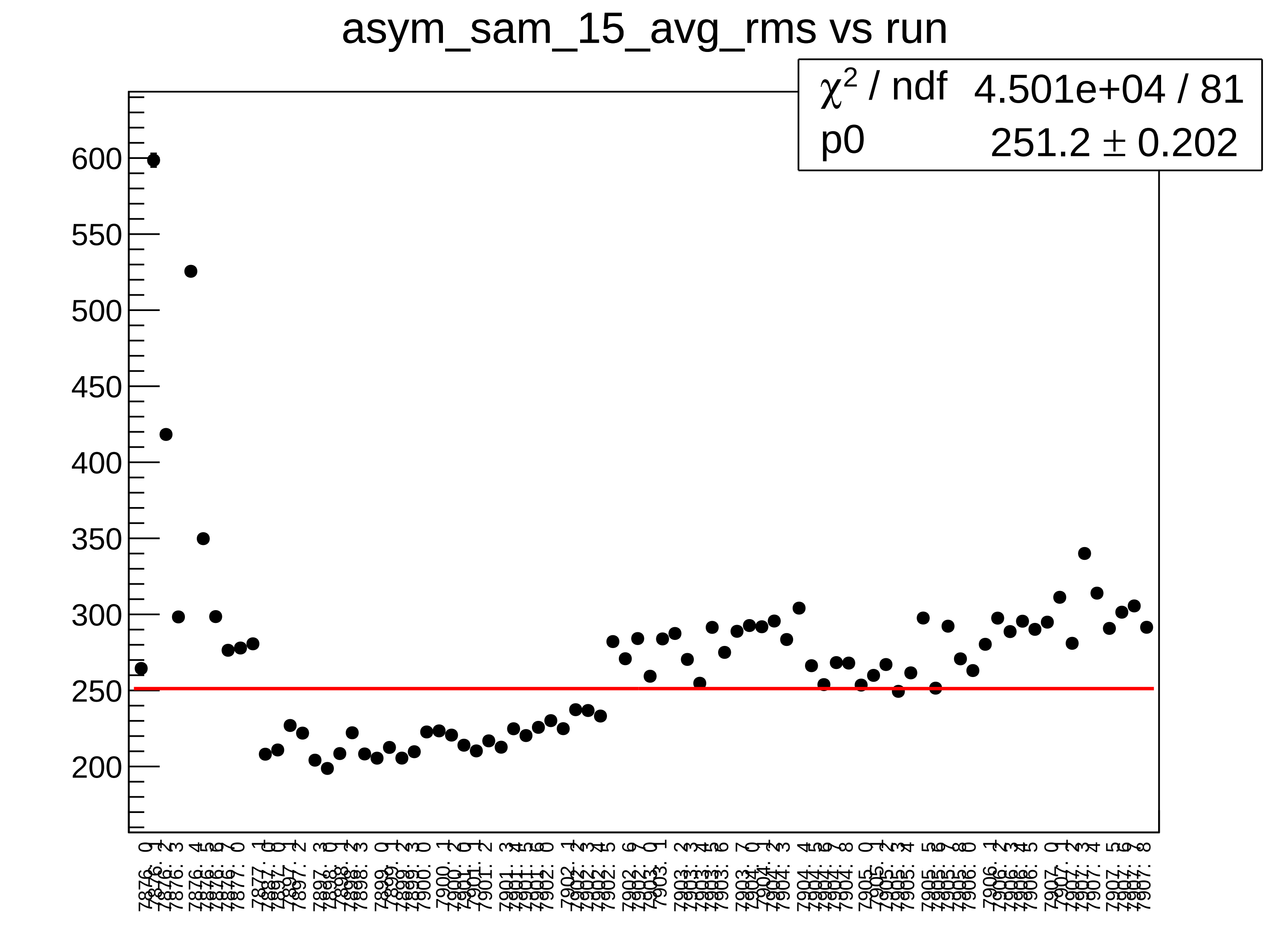
asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 73.7 / 81
p0 −78.06 ± 275.7
pull
Entries 82
Mean −348
Std Dev 405.4
pull1D
Entries 82
Mean −0.004229
Std Dev 0.948

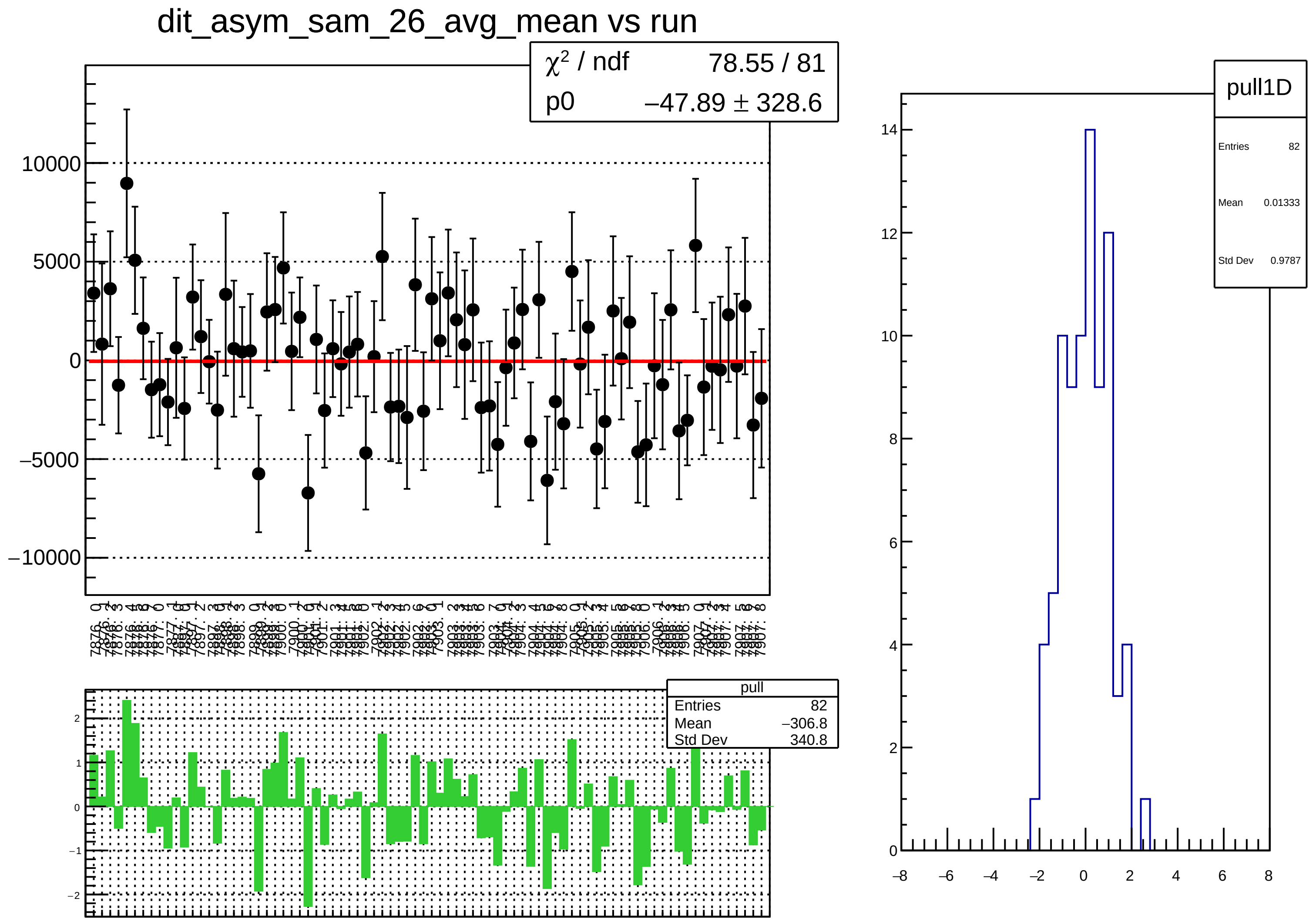


asym_sam_15_avg_correction_rms vs run
χ2 / ndf 4.046e+04 / 81
p0 242.8 ± 0.1949
550
500
450
400
350
300
250
200

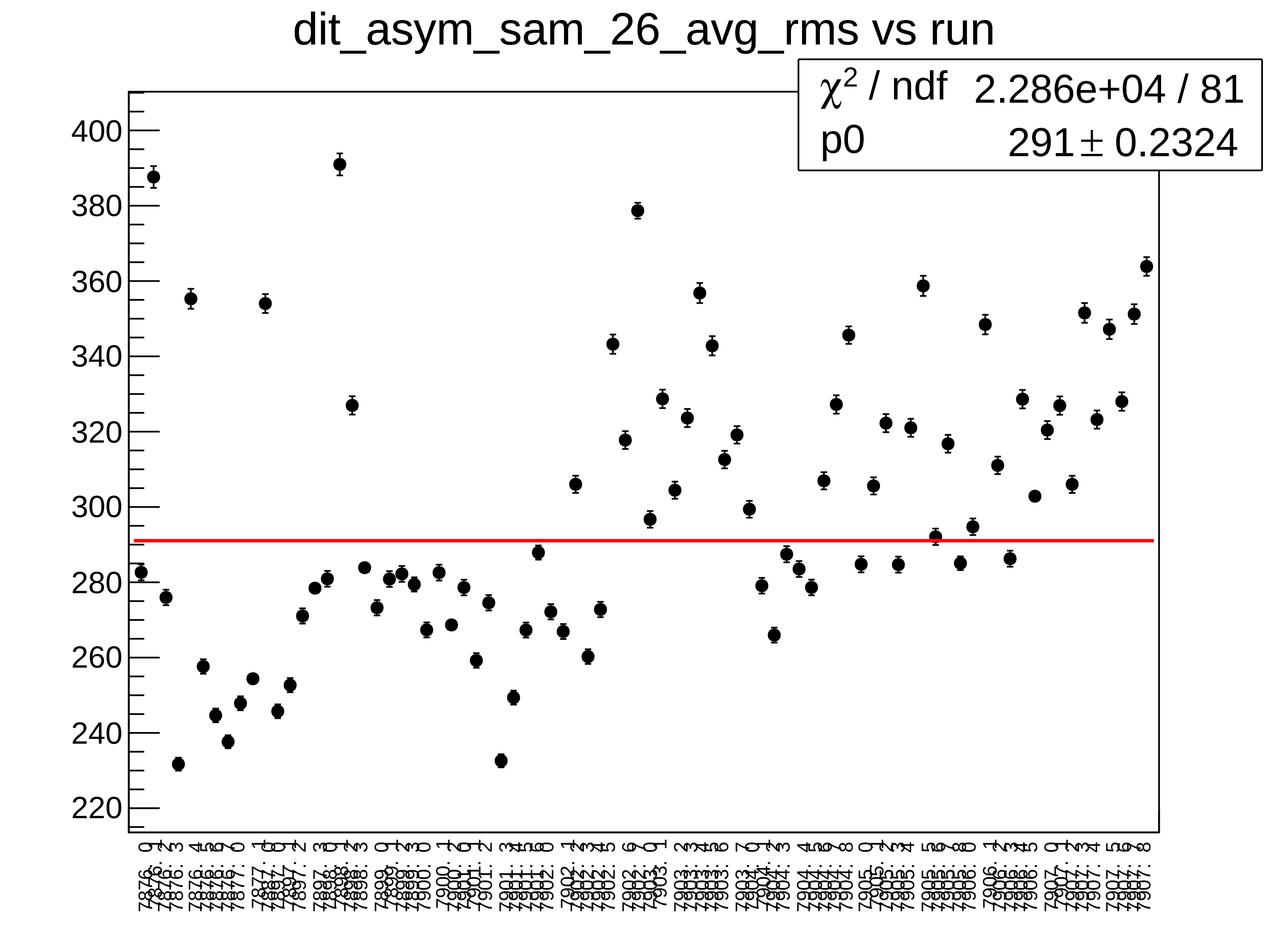


asym_sam_15_avg_mean vs run
χ^2 / ndf 76.83 / 81
p0 26.64 ± 285.7
pull
Entries 82
Mean −9402
Std Dev 9450
pull1D
Entries 82
Mean 0.0003473
Std Dev 0.968

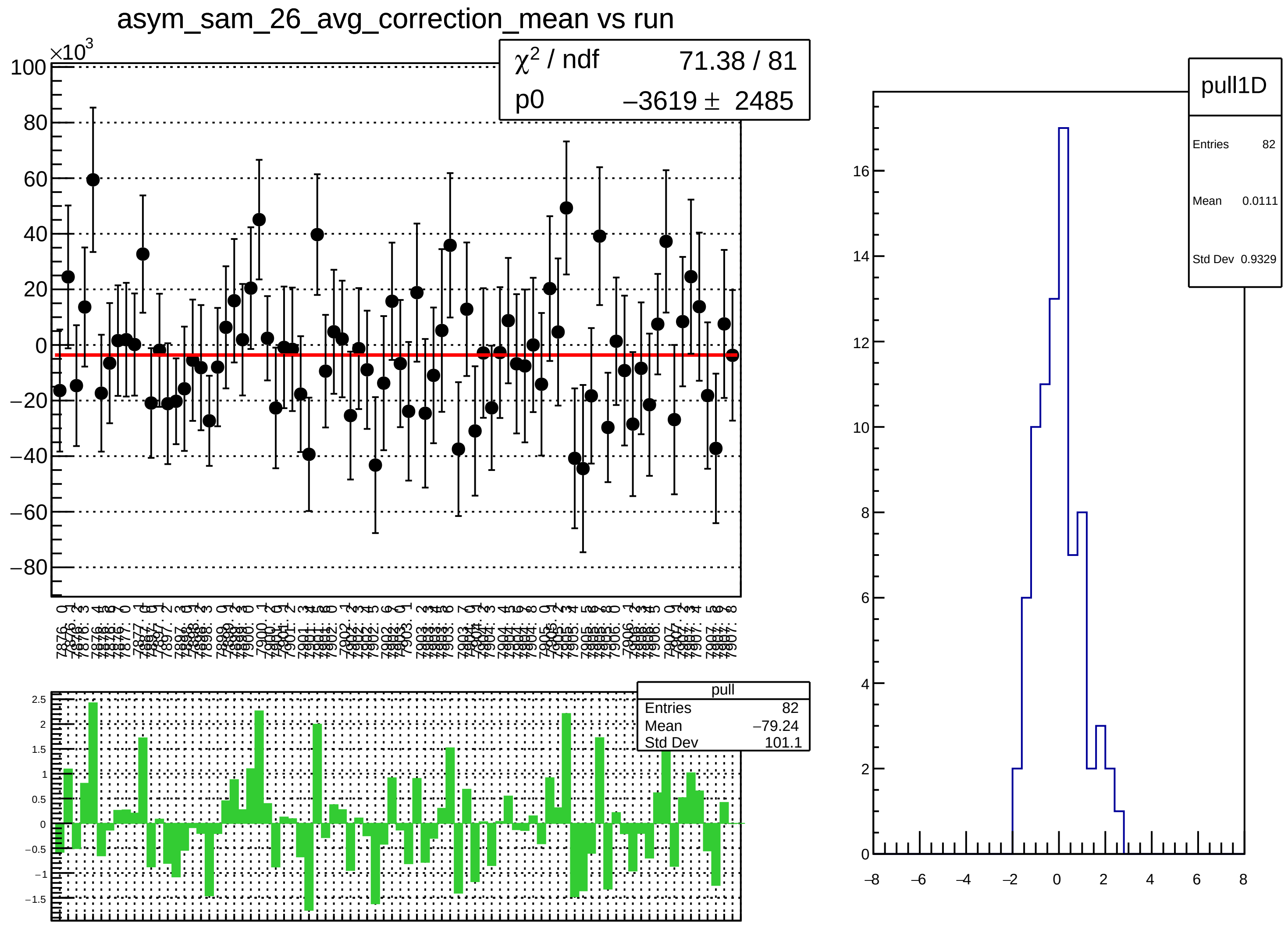

asym_sam_15_avg_rms vs run
χ^2 / ndf 4.501e+04 / 81
p0 251.2 ± 0.202
600
550
500
450
400
350
300
250
200



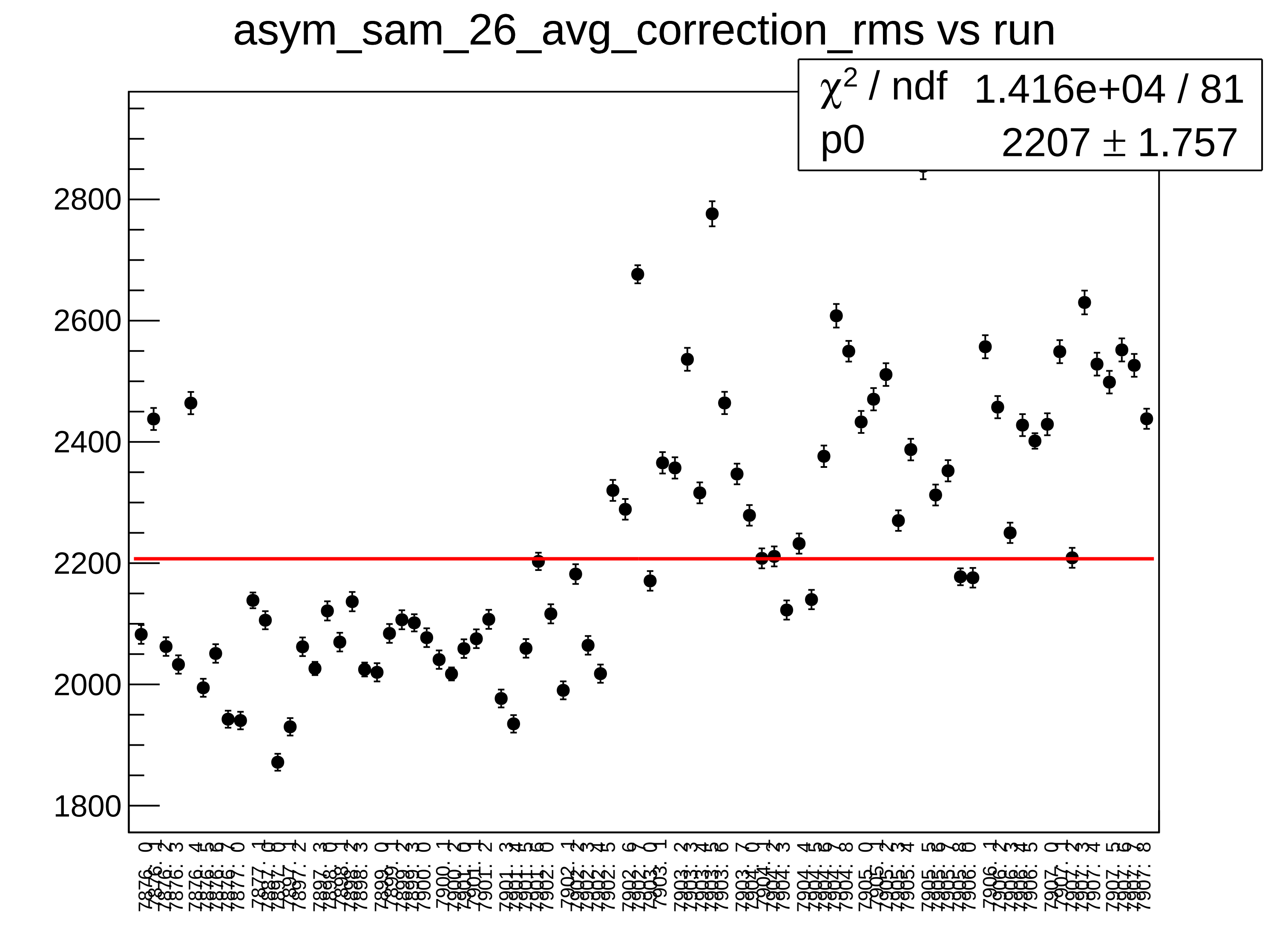
dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 78.55 / 81
p0 −47.89 ± 328.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −306.8
Std Dev 340.8
pull1D
Entries 82
Mean 0.01333
Std Dev 0.9787

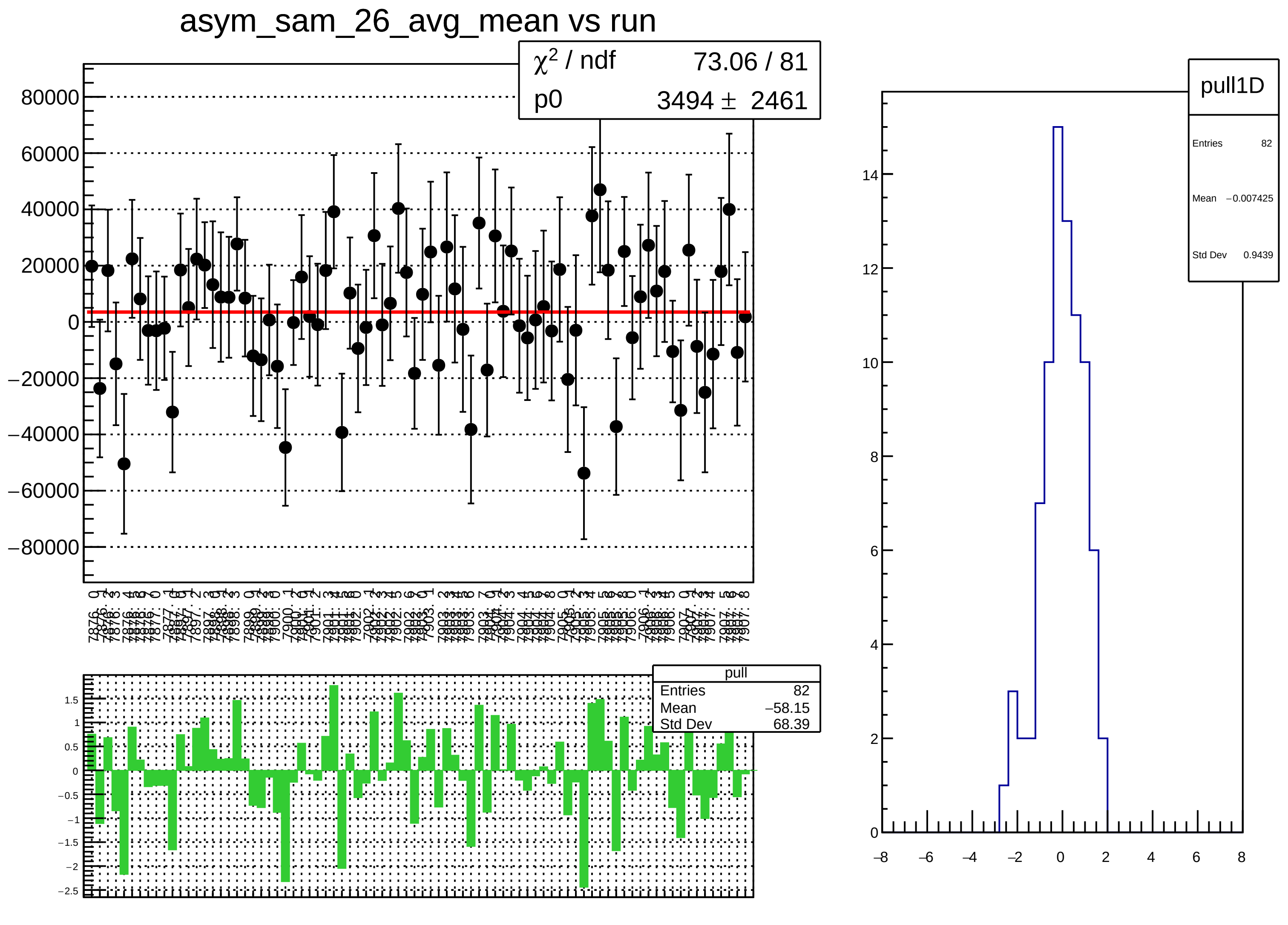


dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 2.286e+04 / 81
p0 291 ± 0.2324
400
380
360
340
320
300
280
260
240
220

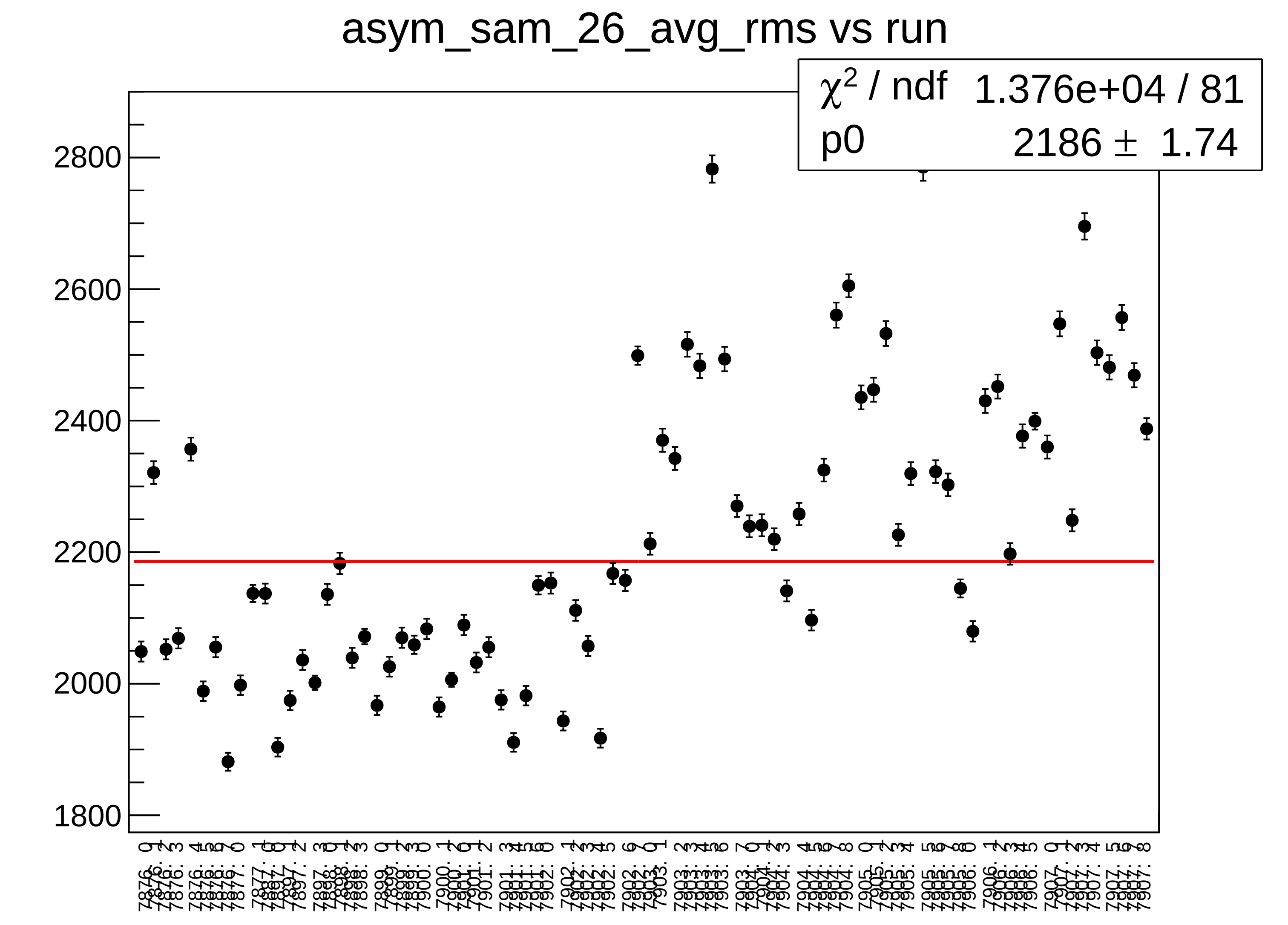


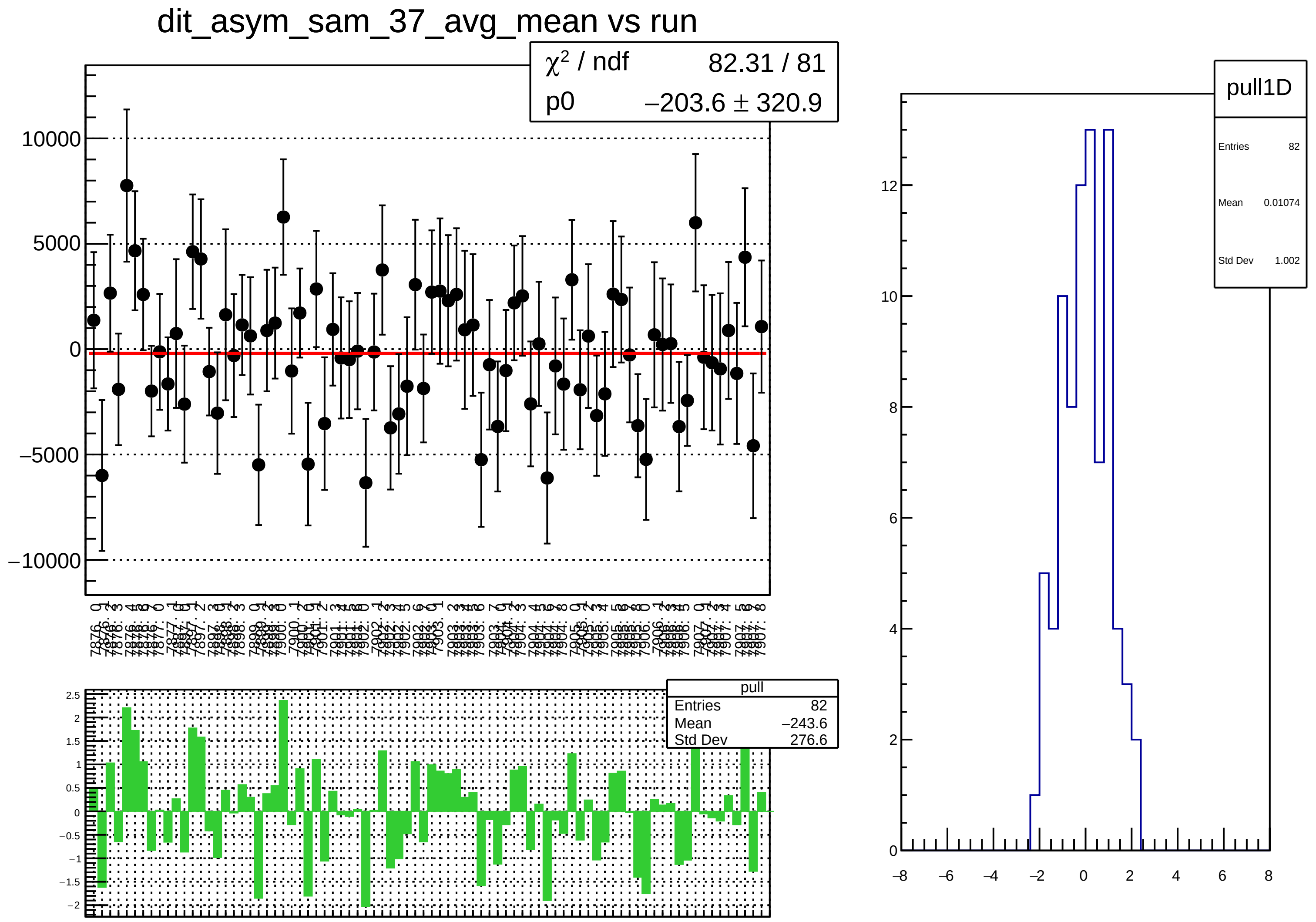
asym_sam_26_avg_correction_mean vs run
χ2 / ndf 71.38 / 81
p0 −3619 ± 2485
×10^3
pull
Entries 82
Mean −79.24
Std Dev 101.1
pull1D
Entries 82
Mean 0.0111
Std Dev 0.9329


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 1.416e+04 / 81
p0 2207 ± 1.757
2800
2600
2400
2200
2000
1800

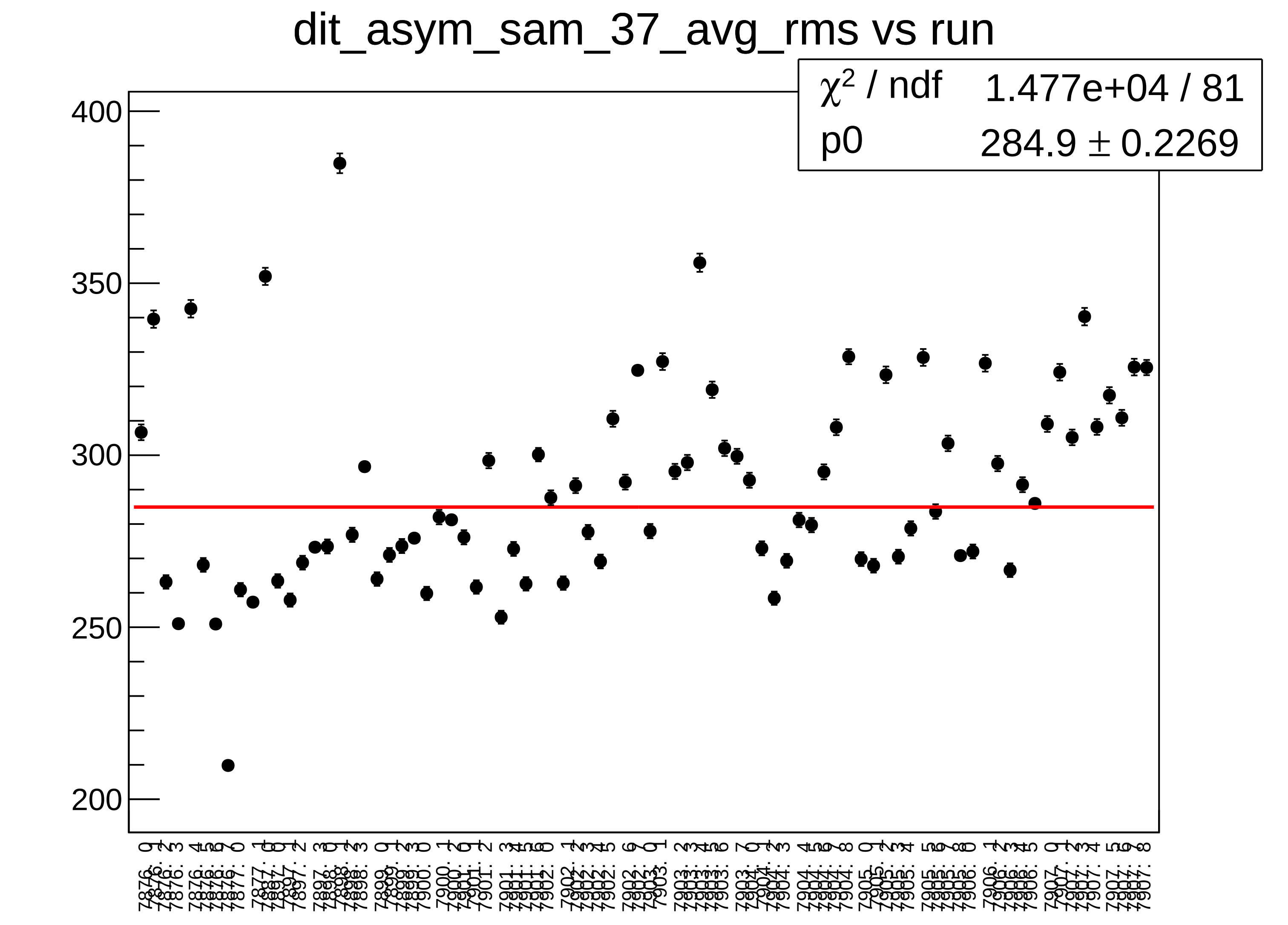


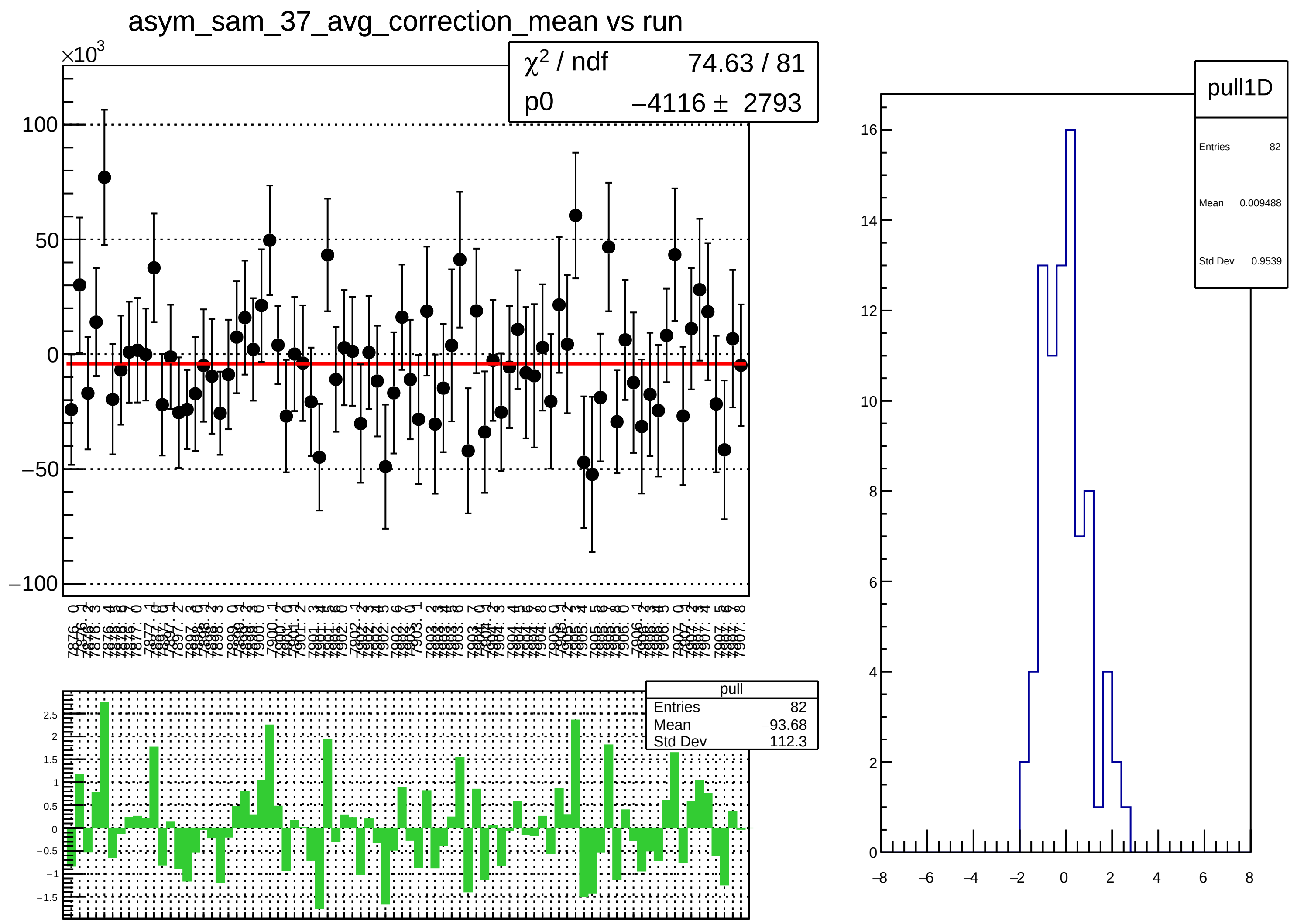
asym_sam_26_avg_mean vs run
χ^2 / ndf 73.06 / 81
p0 3494 ± 2461
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −58.15
Std Dev 68.39
pull1D
Entries 82
Mean −0.007425
Std Dev 0.9439


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

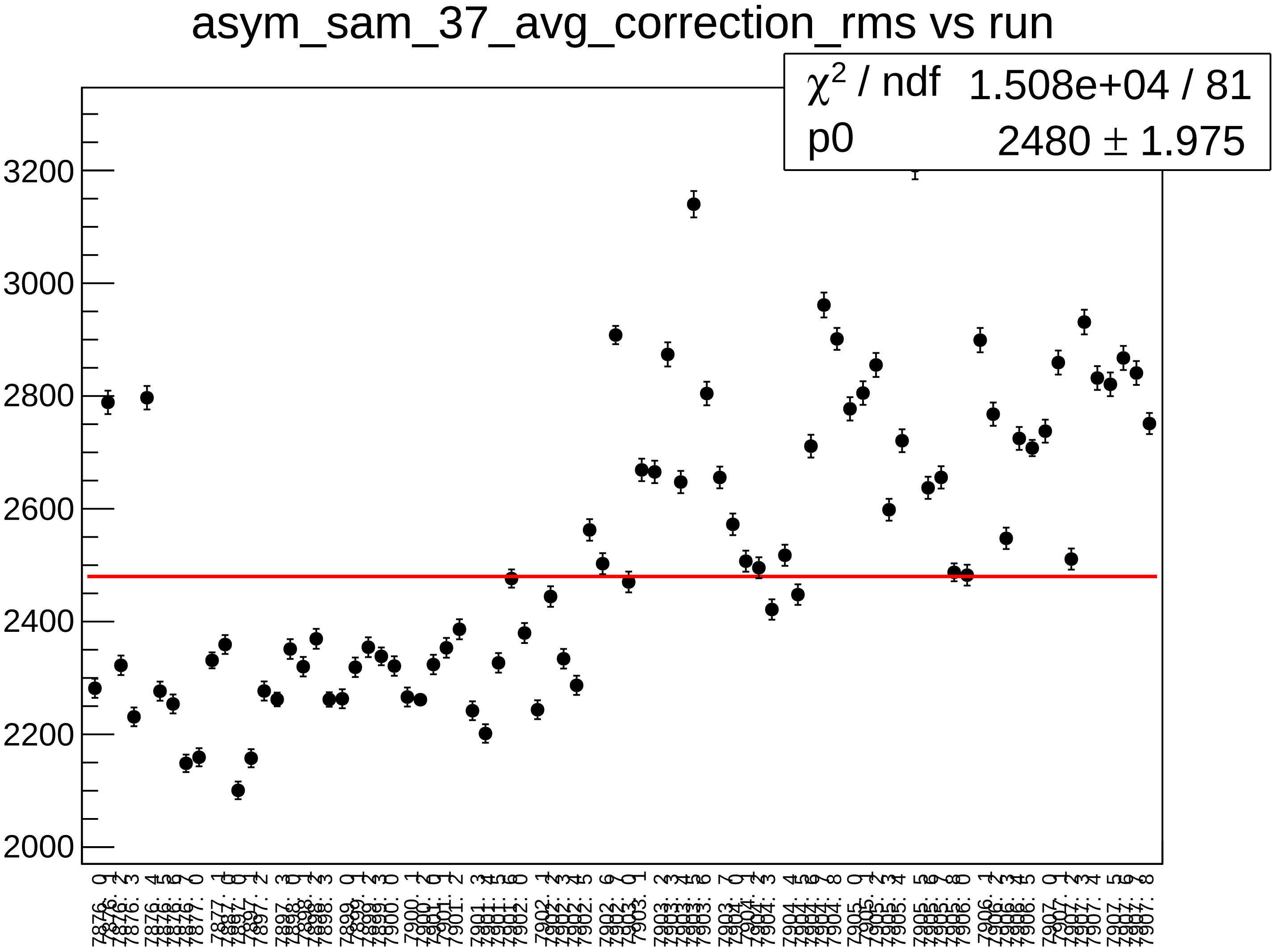


dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 82.31 / 81
p0 −203.6 ± 320.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −243.6
Std Dev 276.6
pull1D
Entries 82
Mean 0.01074
Std Dev 1.002

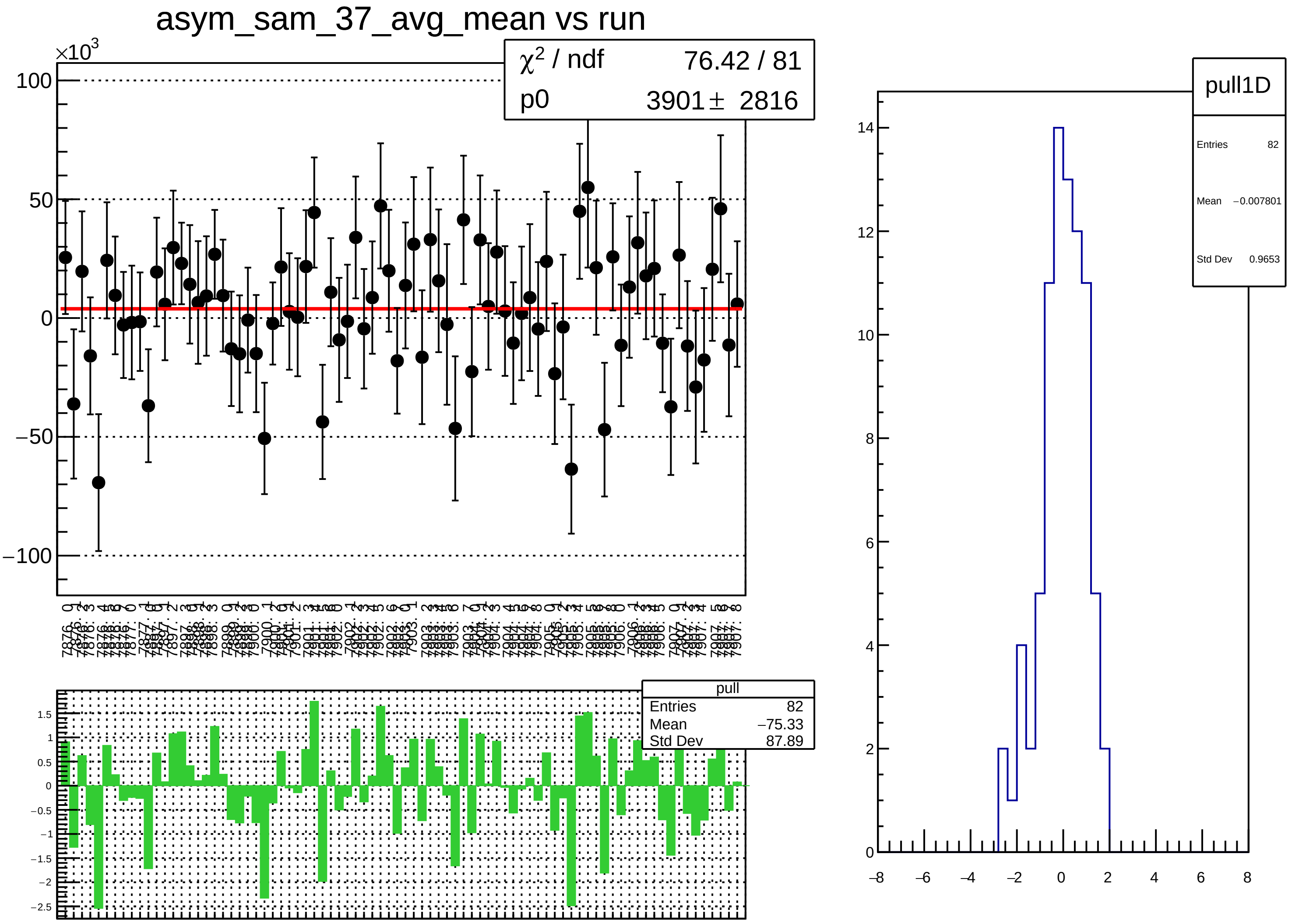

dit_asym_sam_37_avg_rms vs run
χ2 / ndf 1.477e+04 / 81
p0 284.9 ± 0.2269
400
350
300
250
200



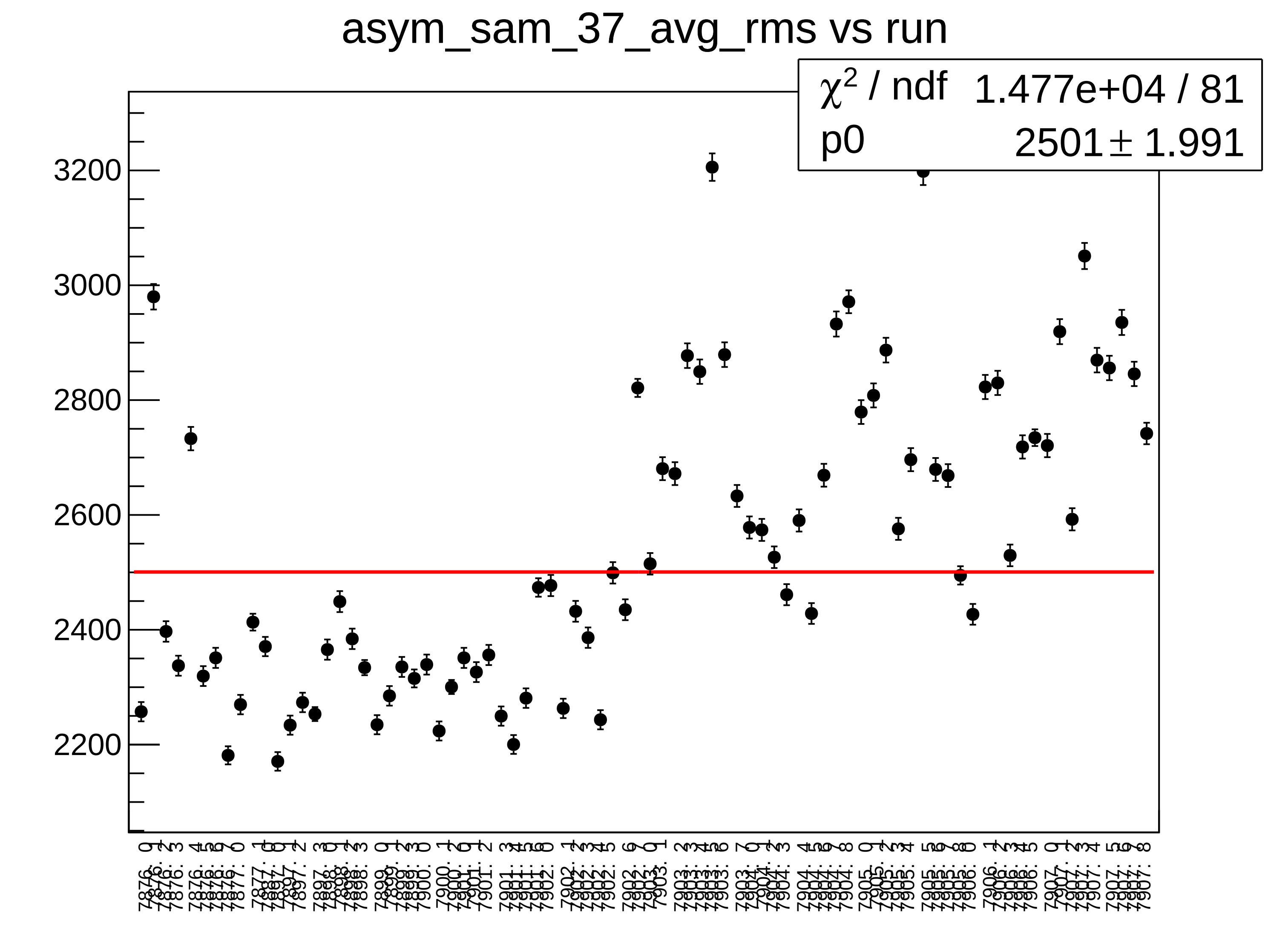
asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 74.63 / 81
p0 −4116 ± 2793
×10^3
pull
Entries 82
Mean −93.68
Std Dev 112.3
pull1D
Entries 82
Mean 0.009488
Std Dev 0.9539

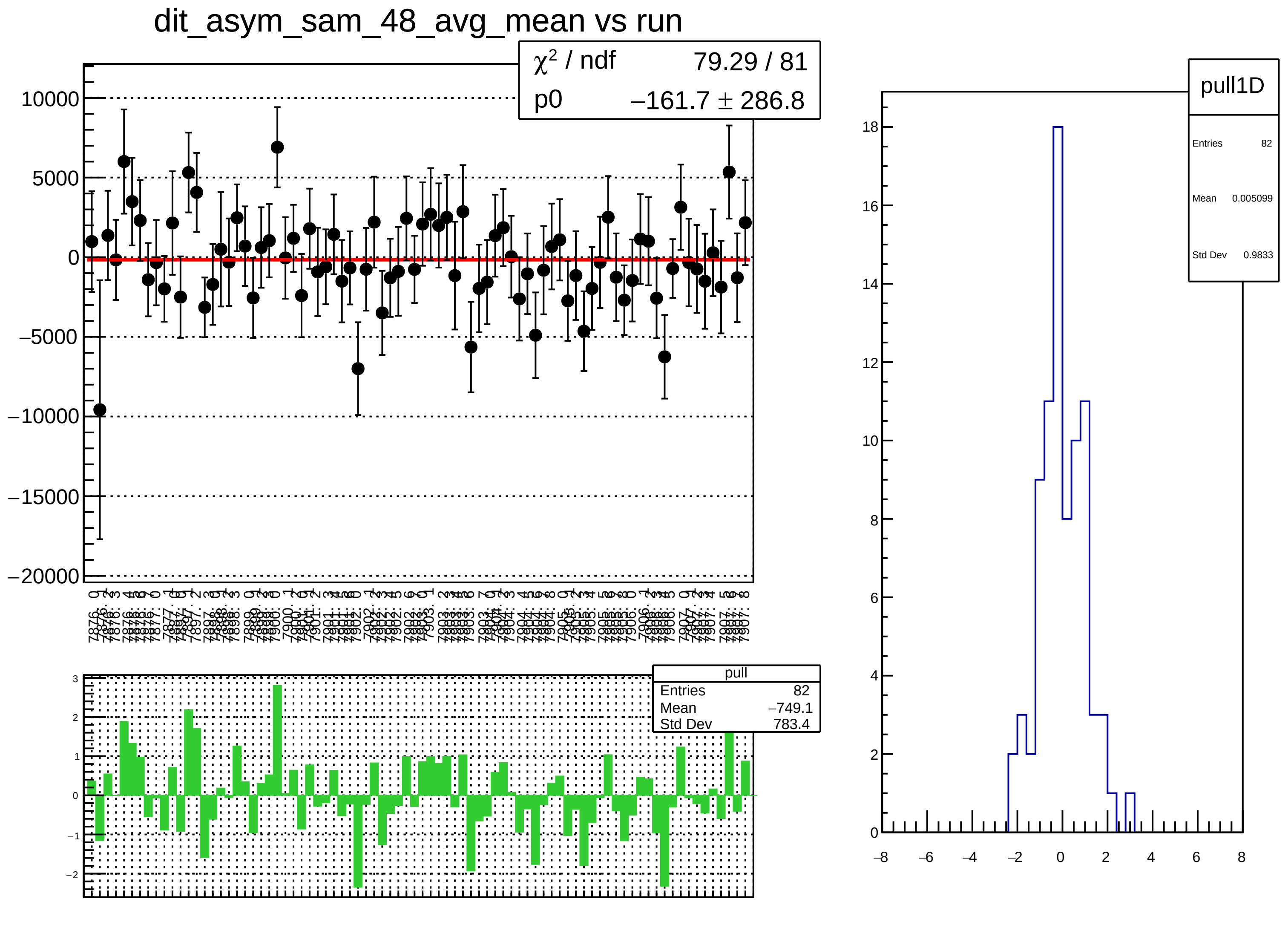


asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 1.508e+04 / 81
p0 2480 ± 1.975
3200
3000
2800
2600
2400
2200
2000

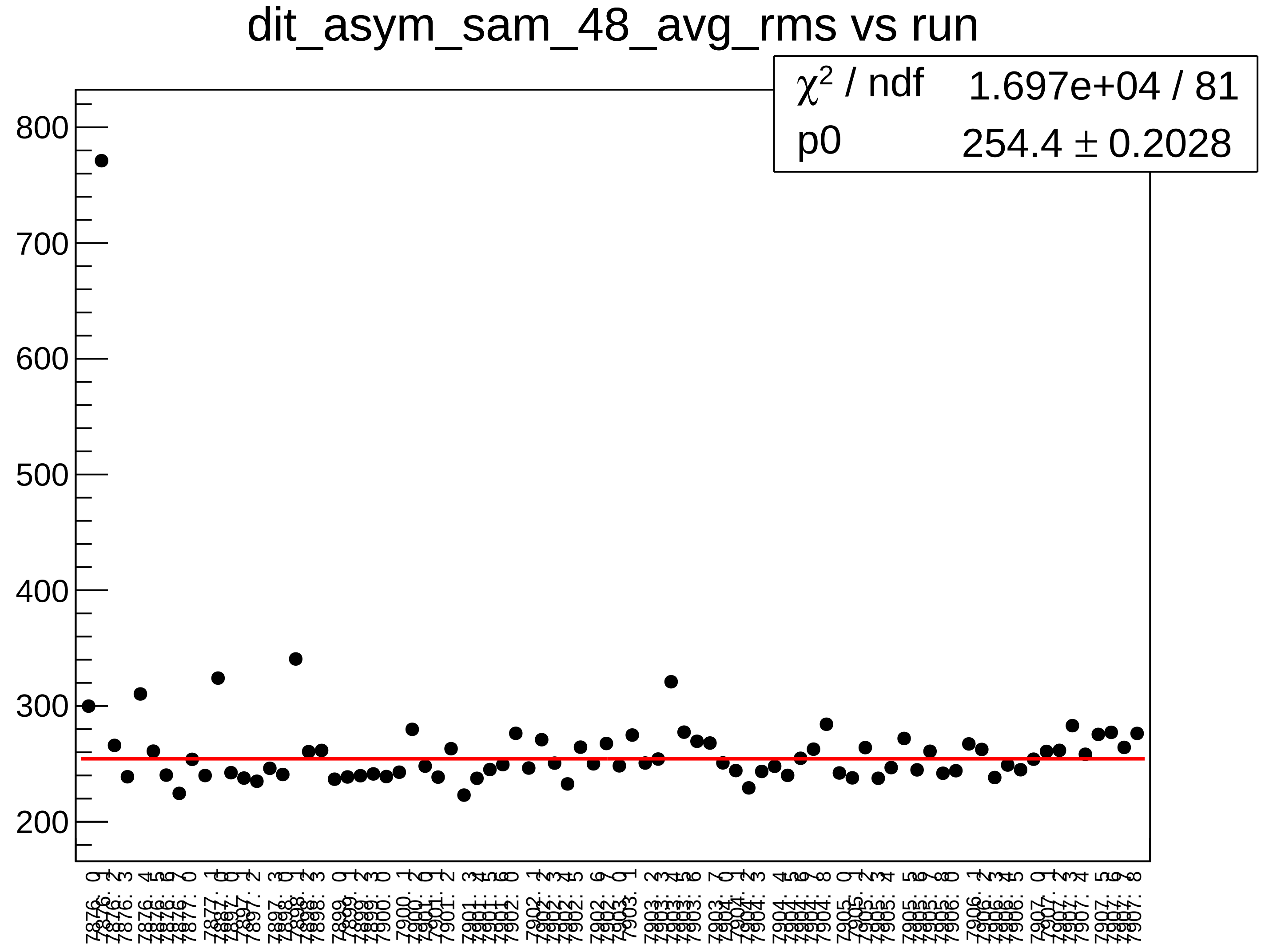


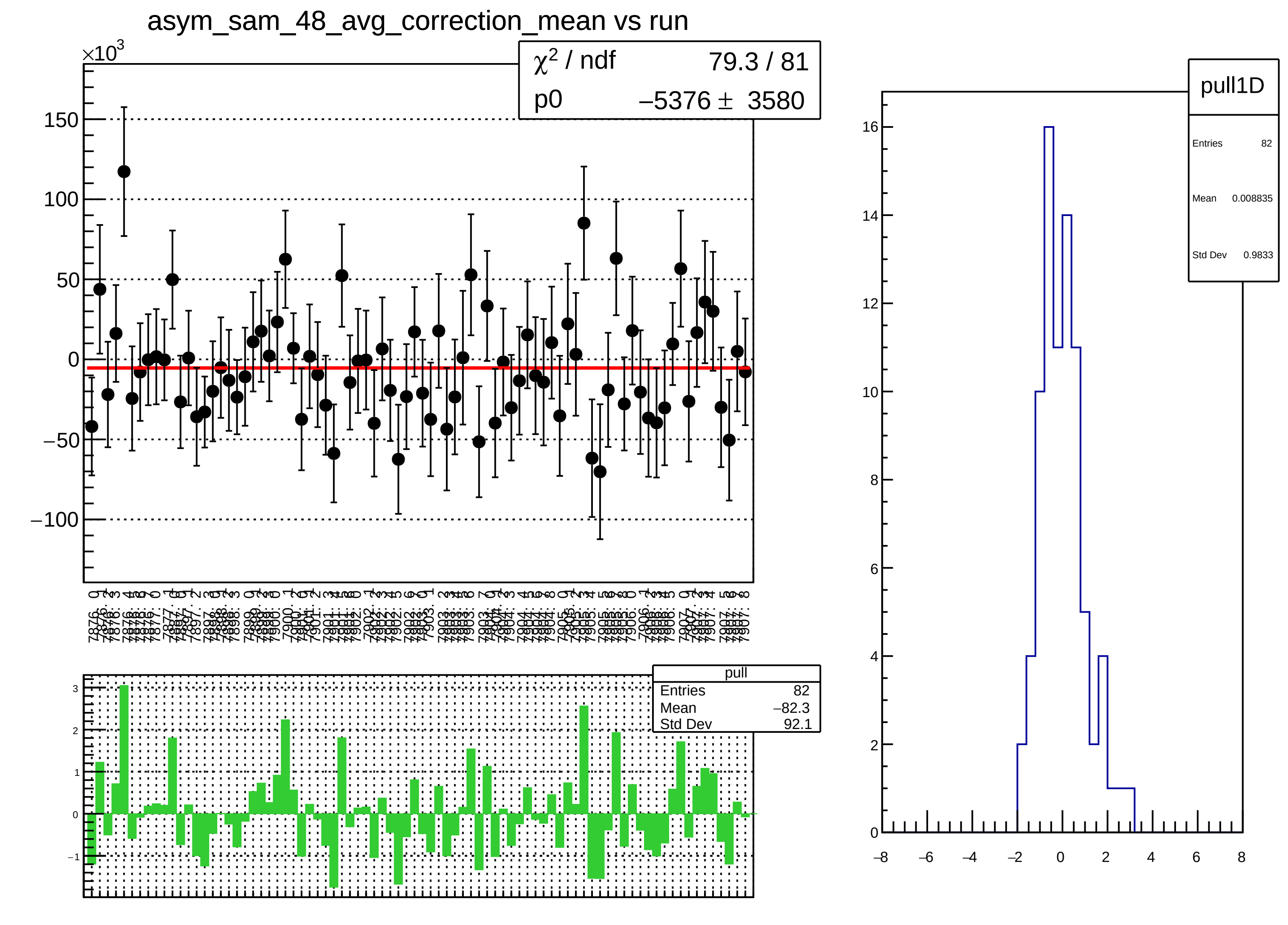
asym_sam_37_avg_mean vs run
×10^3
χ2 / ndf 76.42 / 81
p0 3901 ± 2816
pull
Entries 82
Mean −75.33
Std Dev 87.89
pull1D
Entries 82
Mean −0.007801
Std Dev 0.9653

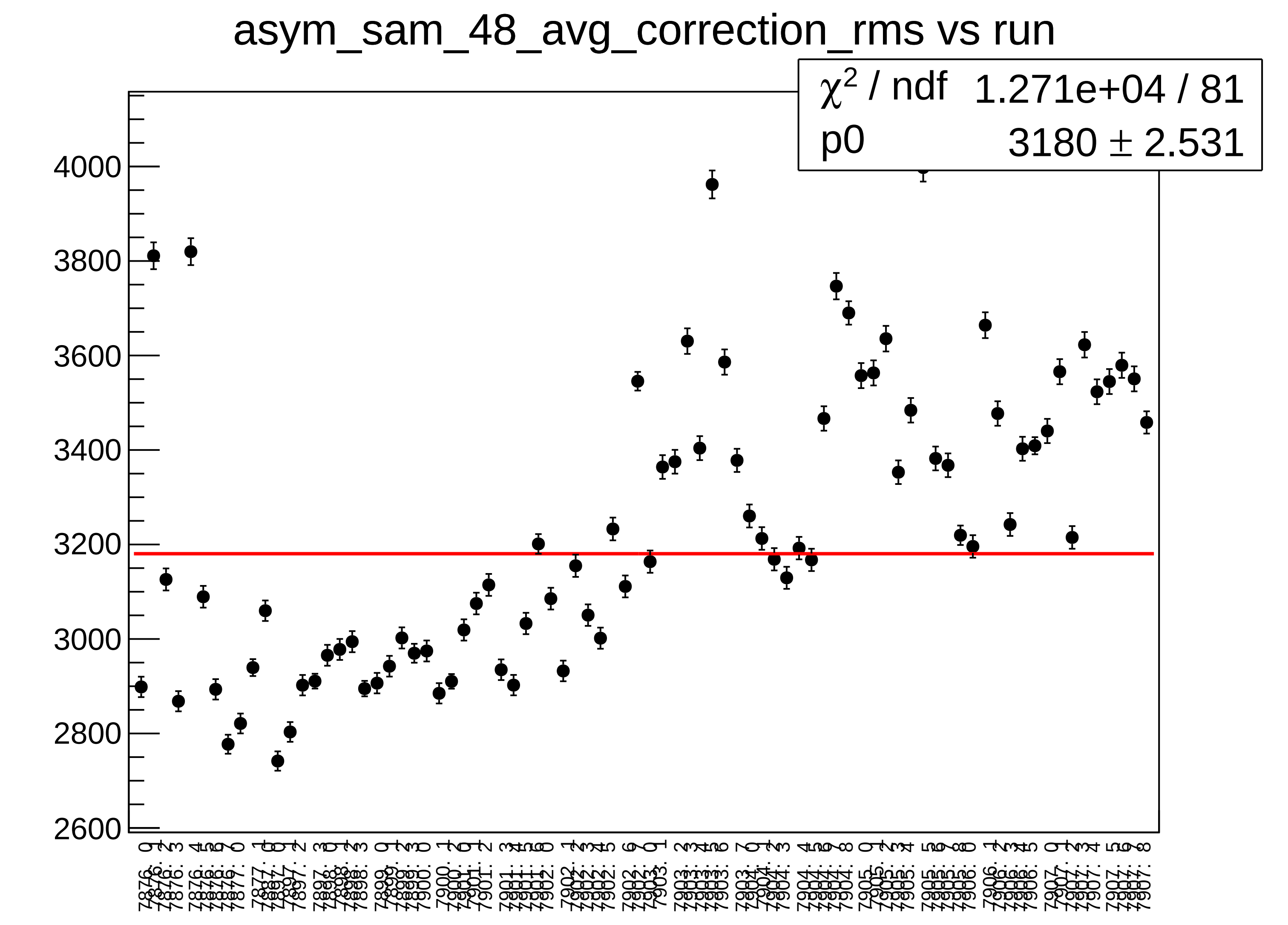

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.477e+04 / 81
p0 2501 ± 1.991
3200
3000
2800
2600
2400
2200

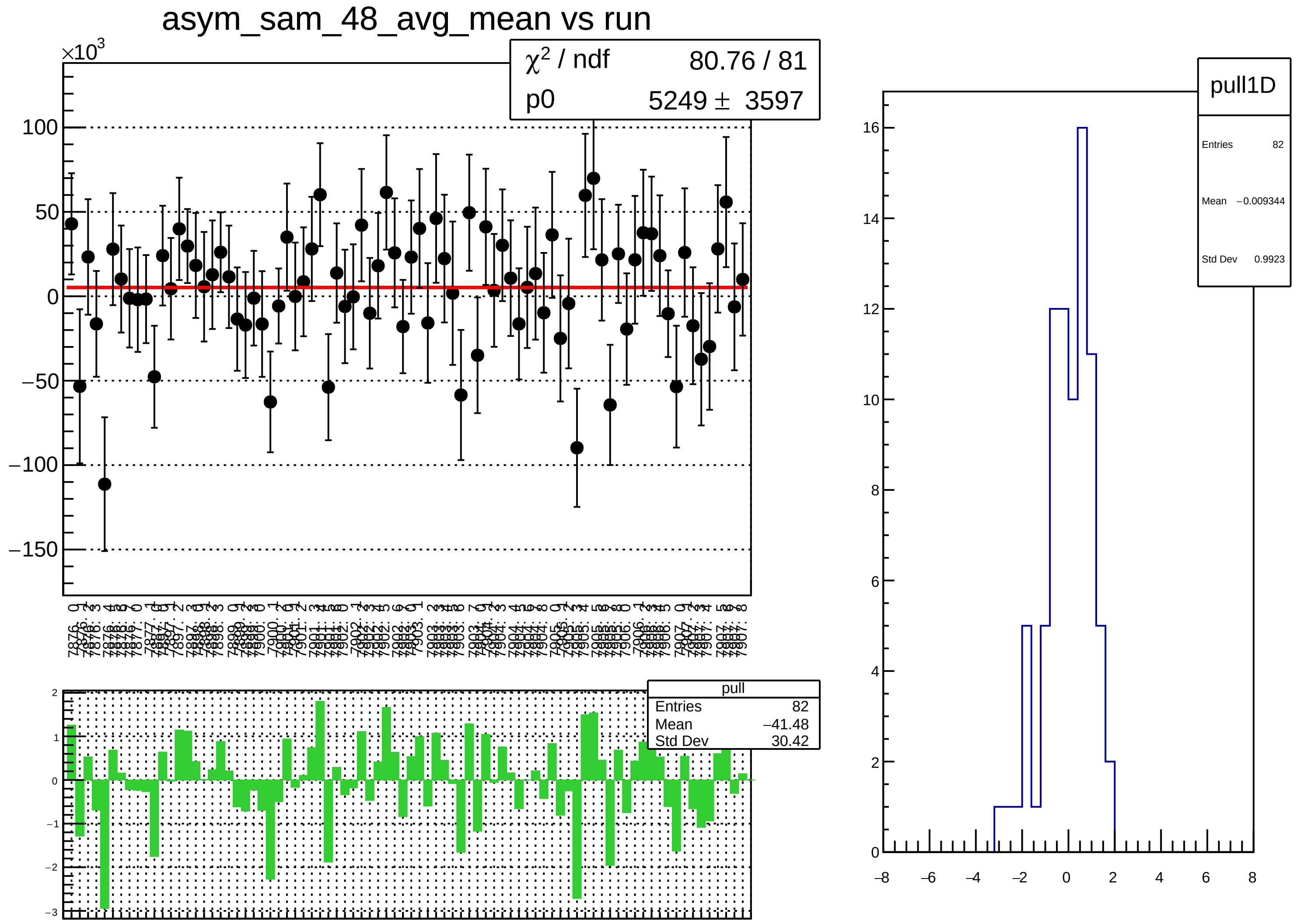


dit_asym_sam_48_avg_mean vs run
χ2 / ndf 79.29 / 81
p0 −161.7 ± 286.8
pull
Entries 82
Mean −749.1
Std Dev 783.4
pull1D
Entries 82
Mean 0.005099
Std Dev 0.9833


dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.697e+04 / 81
p0 254.4 ± 0.2028
800
700
600
500
400
300
200

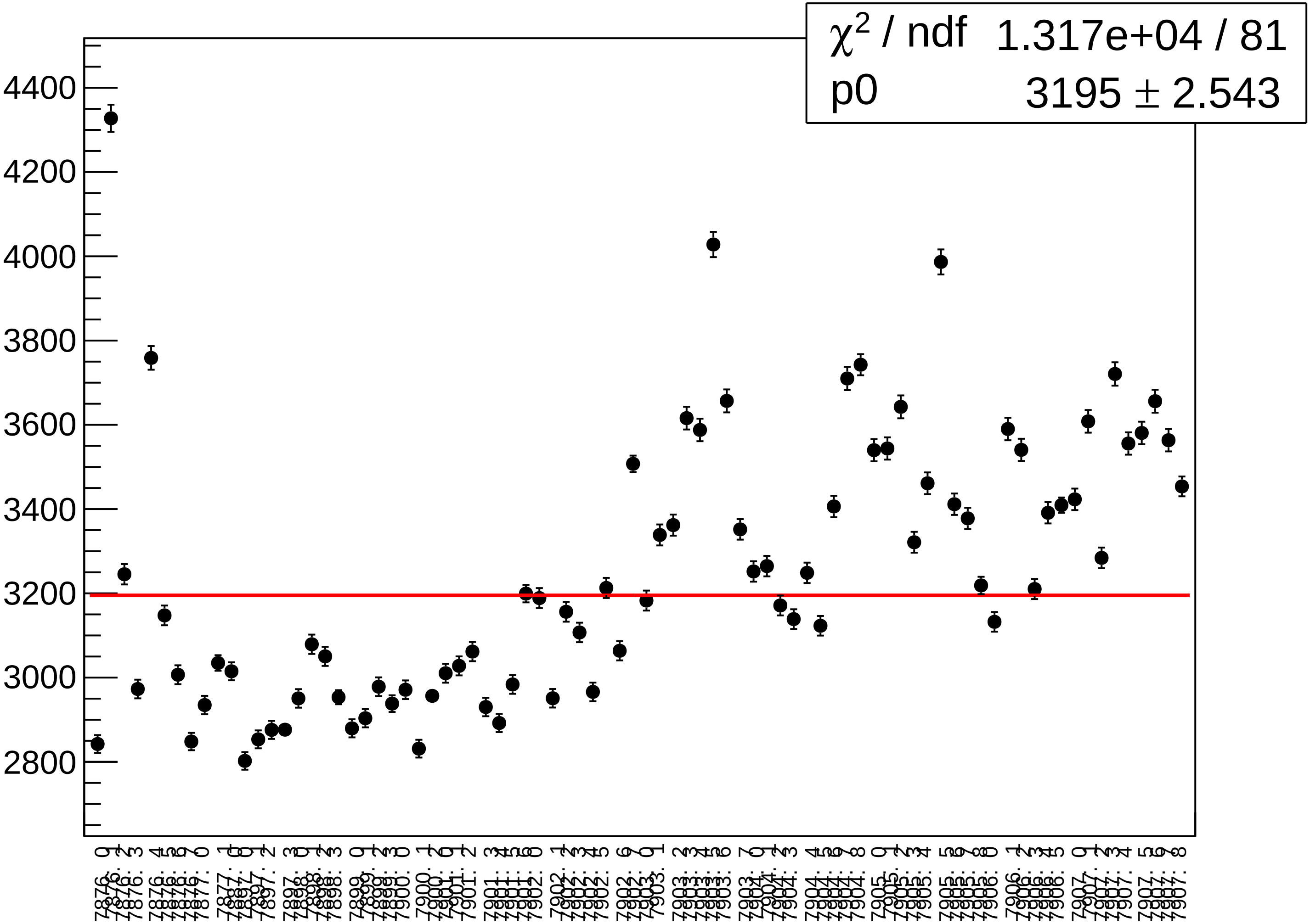

asym_sam_48_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 79.3 / 81
p0 −5376 ± 3580
pull
Entries 82
Mean −82.3
Std Dev 92.1
pull1D
Entries 82
Mean 0.008835
Std Dev 0.9833

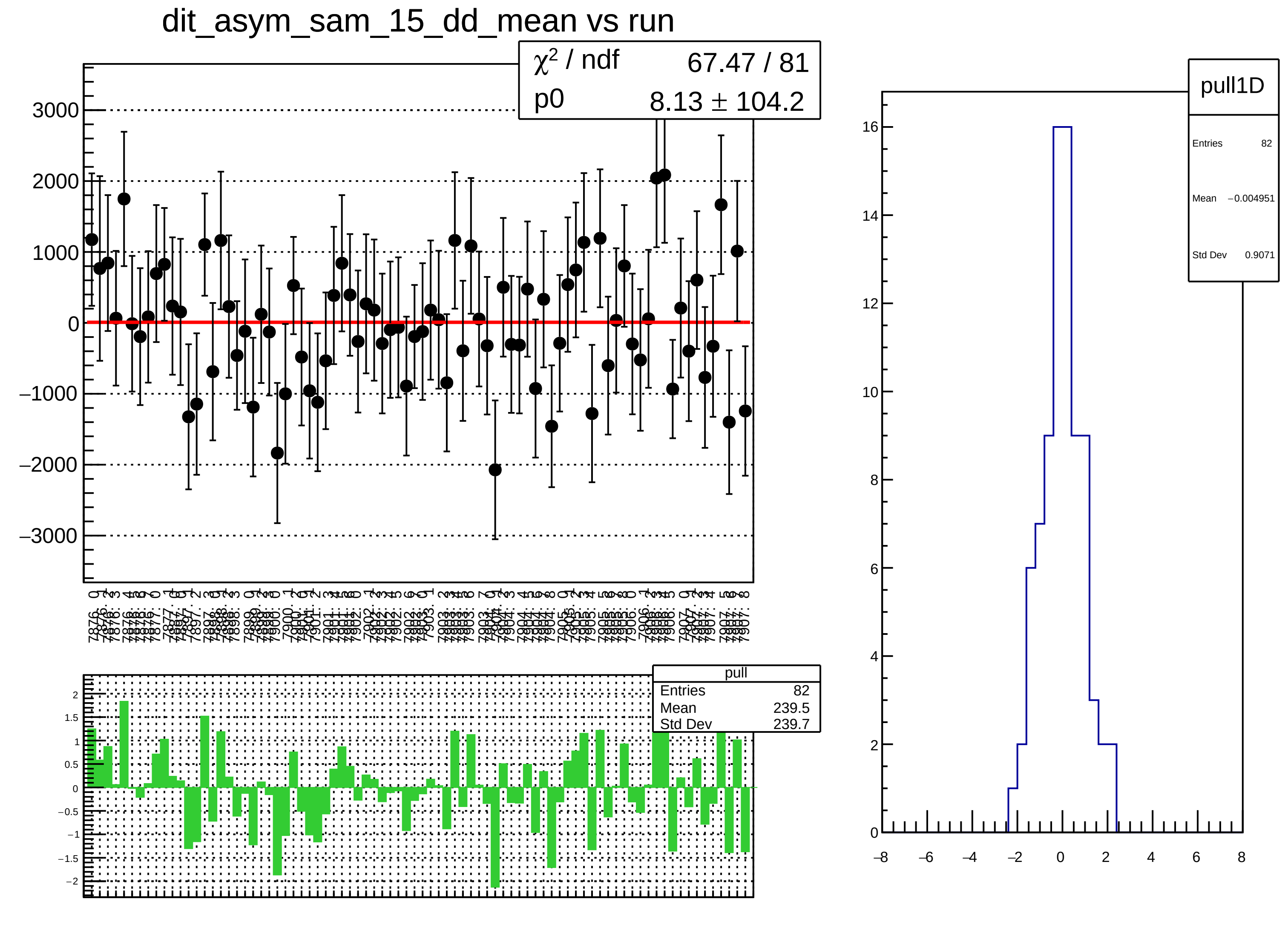

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 1.271e+04 / 81
p0 3180 ± 2.531
4000
3800
3600
3400
3200
3000
2800
2600



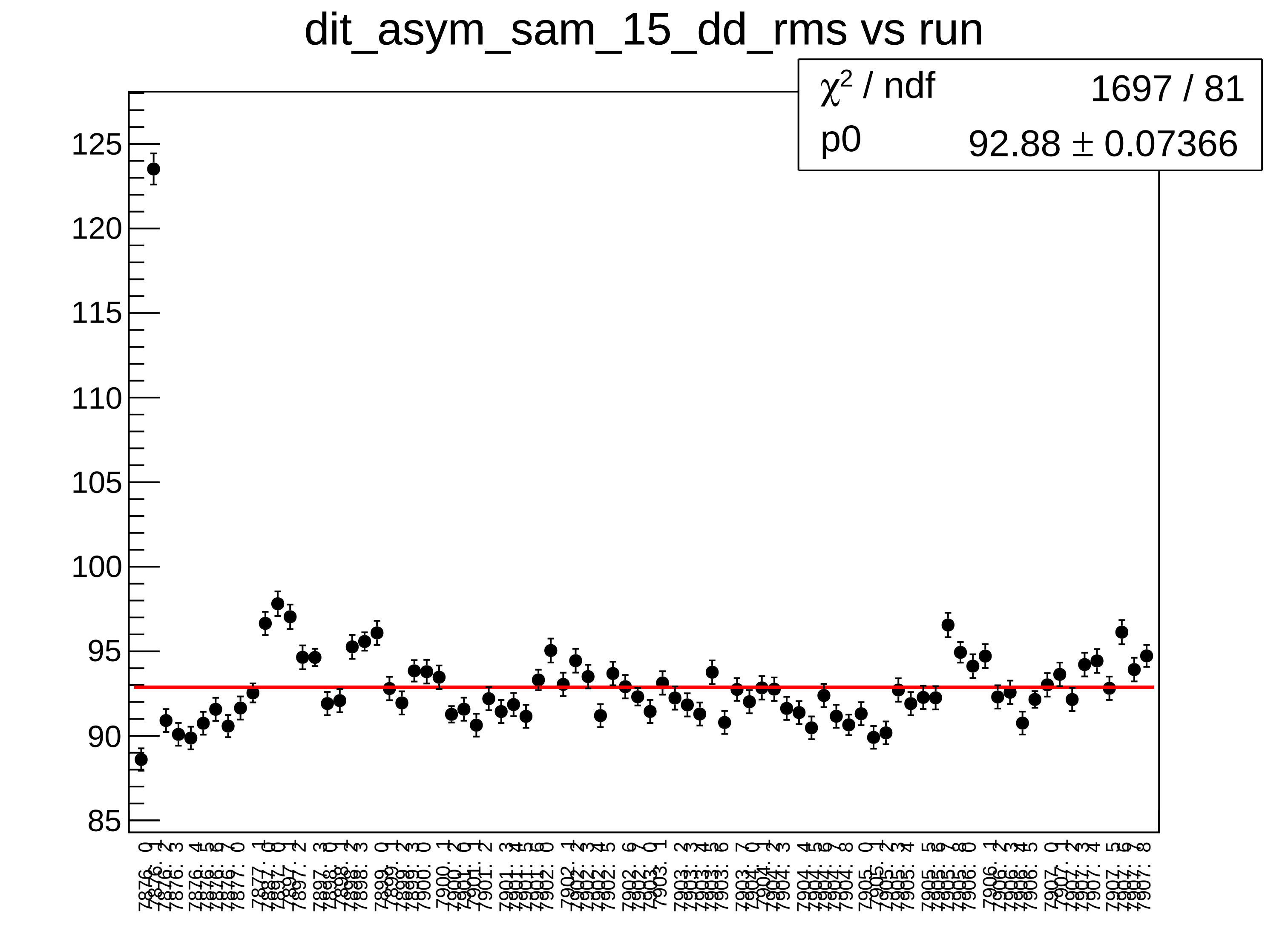
asym_sam_48_avg_mean vs run
×10^3
χ2 / ndf 80.76 / 81
p0 5249 ± 3597
pull
Entries 82
Mean −41.48
Std Dev 30.42
pull1D
Entries 82
Mean −0.009344
Std Dev 0.9923

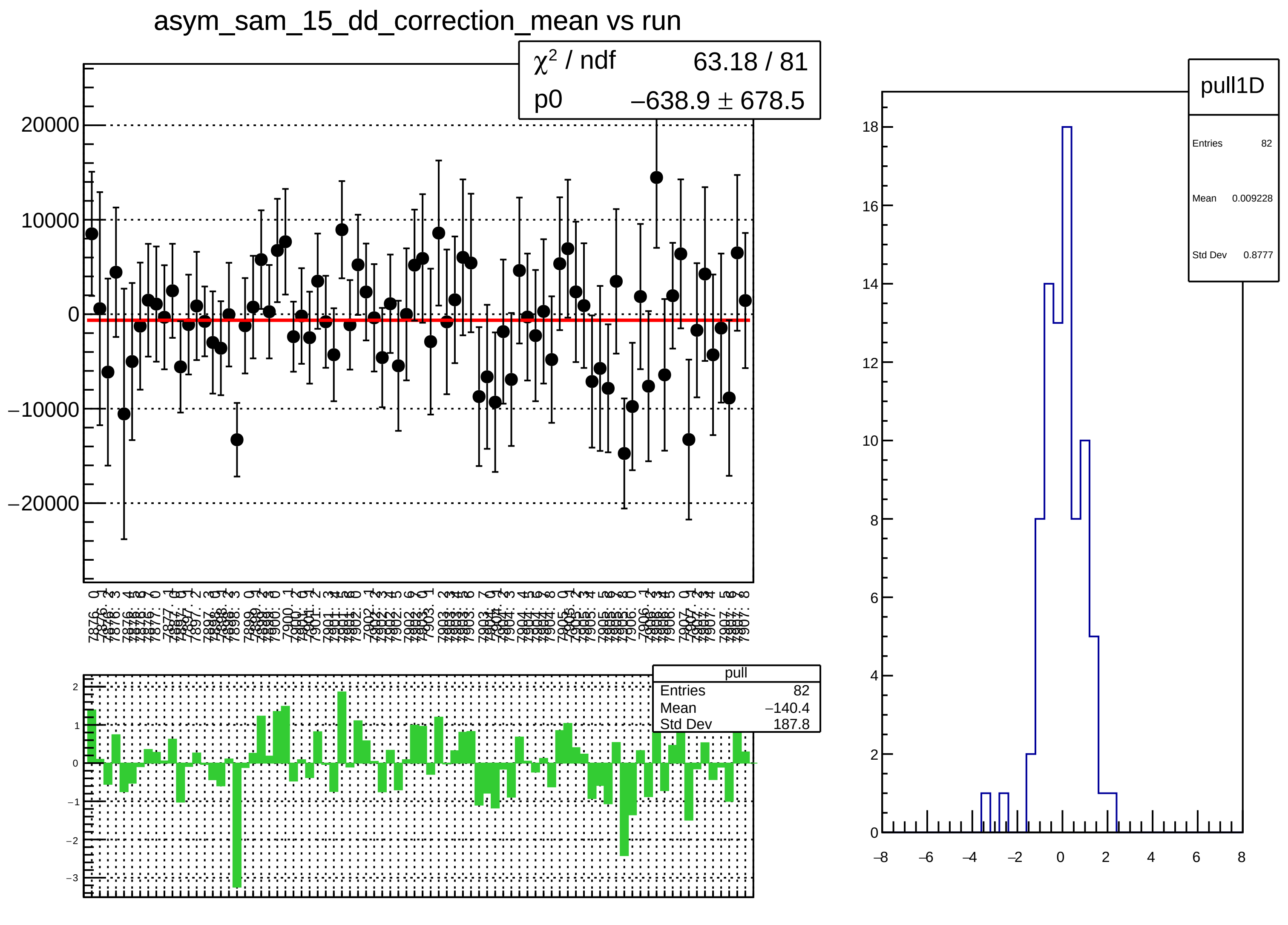
asym_sam_48_avg_rms vs run



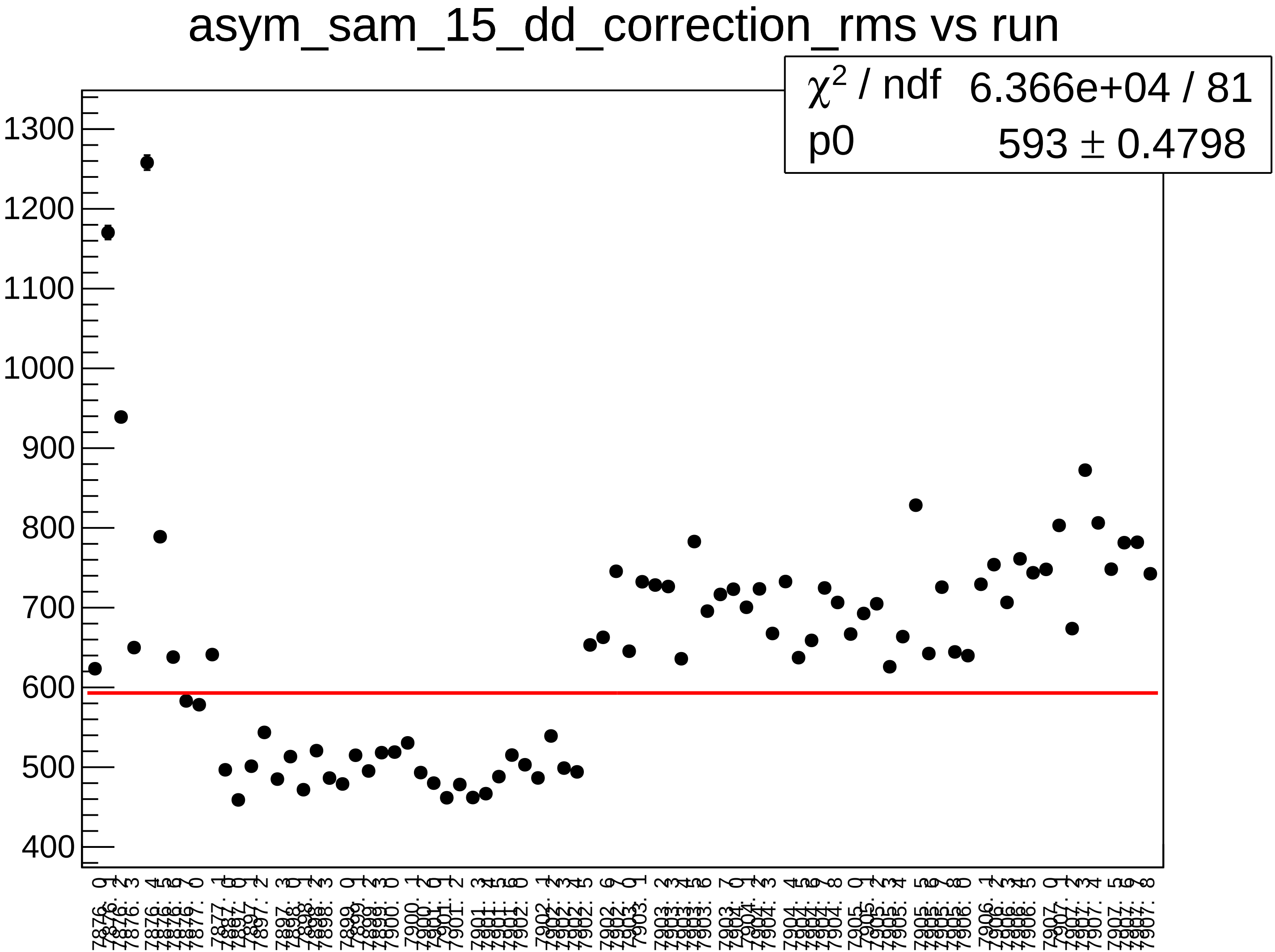


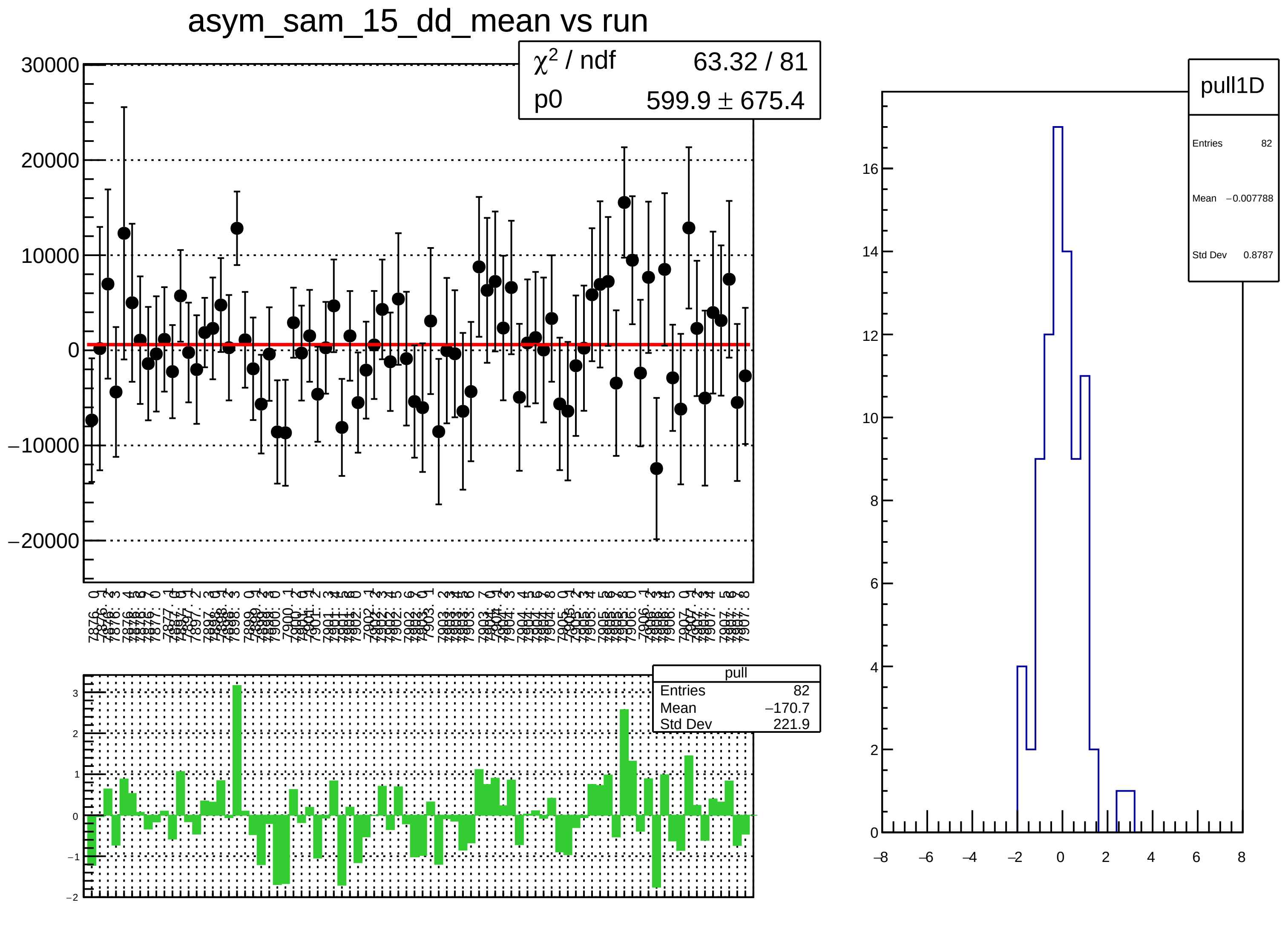
dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 67.47 / 81
p0 8.13 ± 104.2
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 239.5
Std Dev 239.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.004951
Std Dev 0.9071
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_dd_rms vs run
χ2 / ndf 1697 / 81
p0 92.88 ± 0.07366
125
120
115
110
105
100
95
90
85



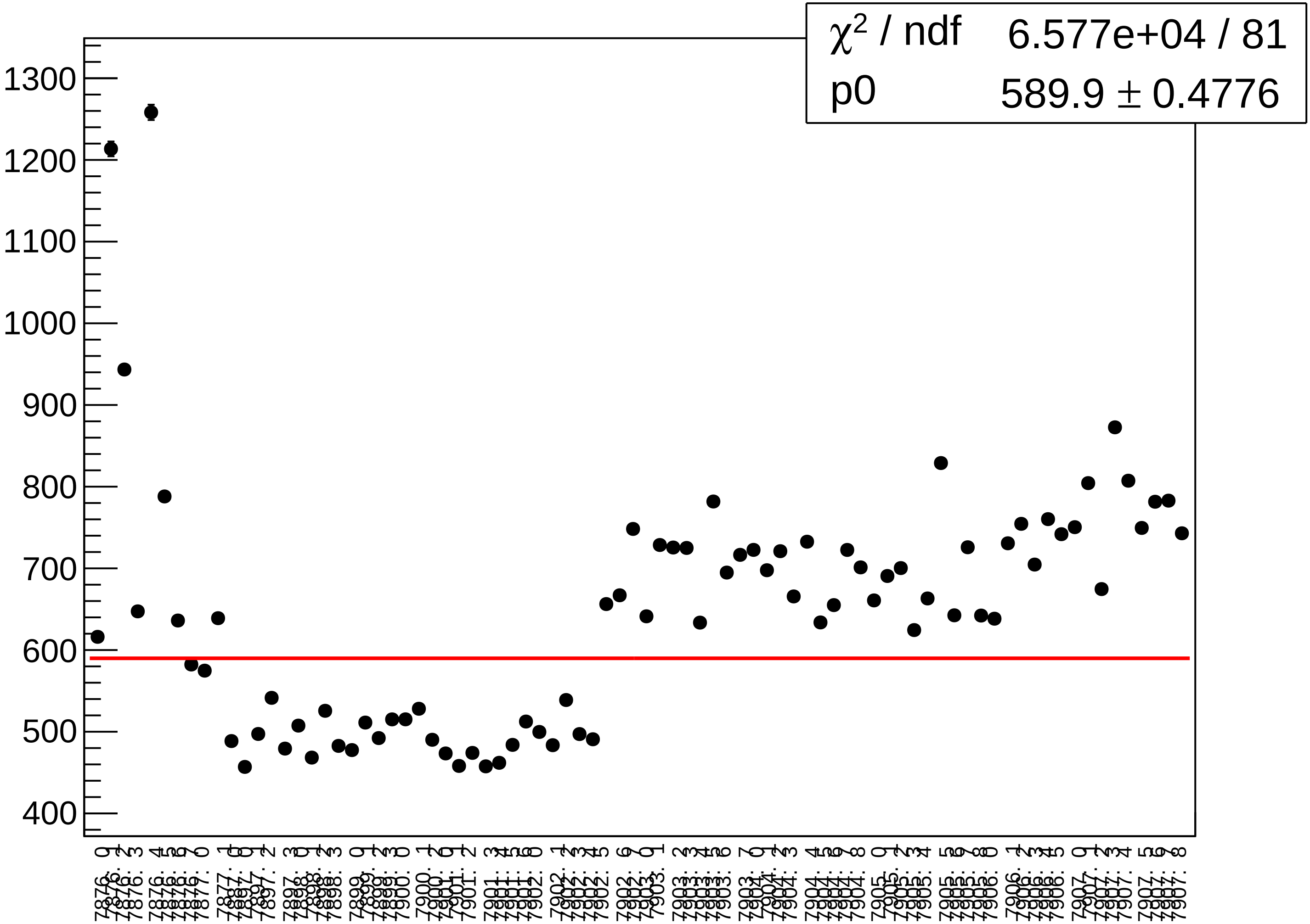
asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 63.18 / 81
p0 −638.9 ± 678.5
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −140.4
Std Dev 187.8
pull1D
Entries 82
Mean 0.009228
Std Dev 0.8777

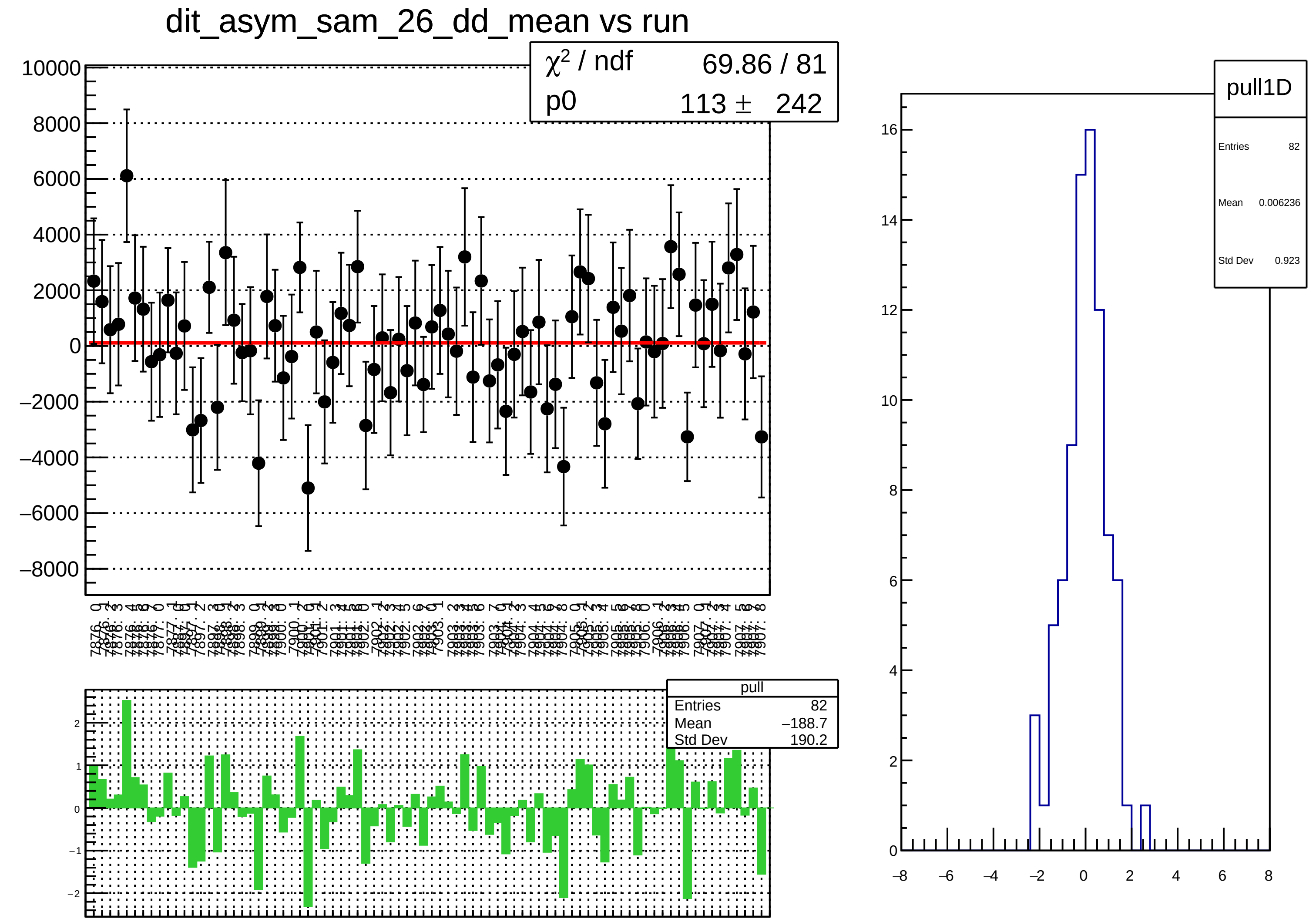

asym_sam_15_dd_correction_rms vs run
χ2 / ndf 6.366e+04 / 81
p0 593 ± 0.4798
1300
1200
1100
1000
900
800
700
600
500
400

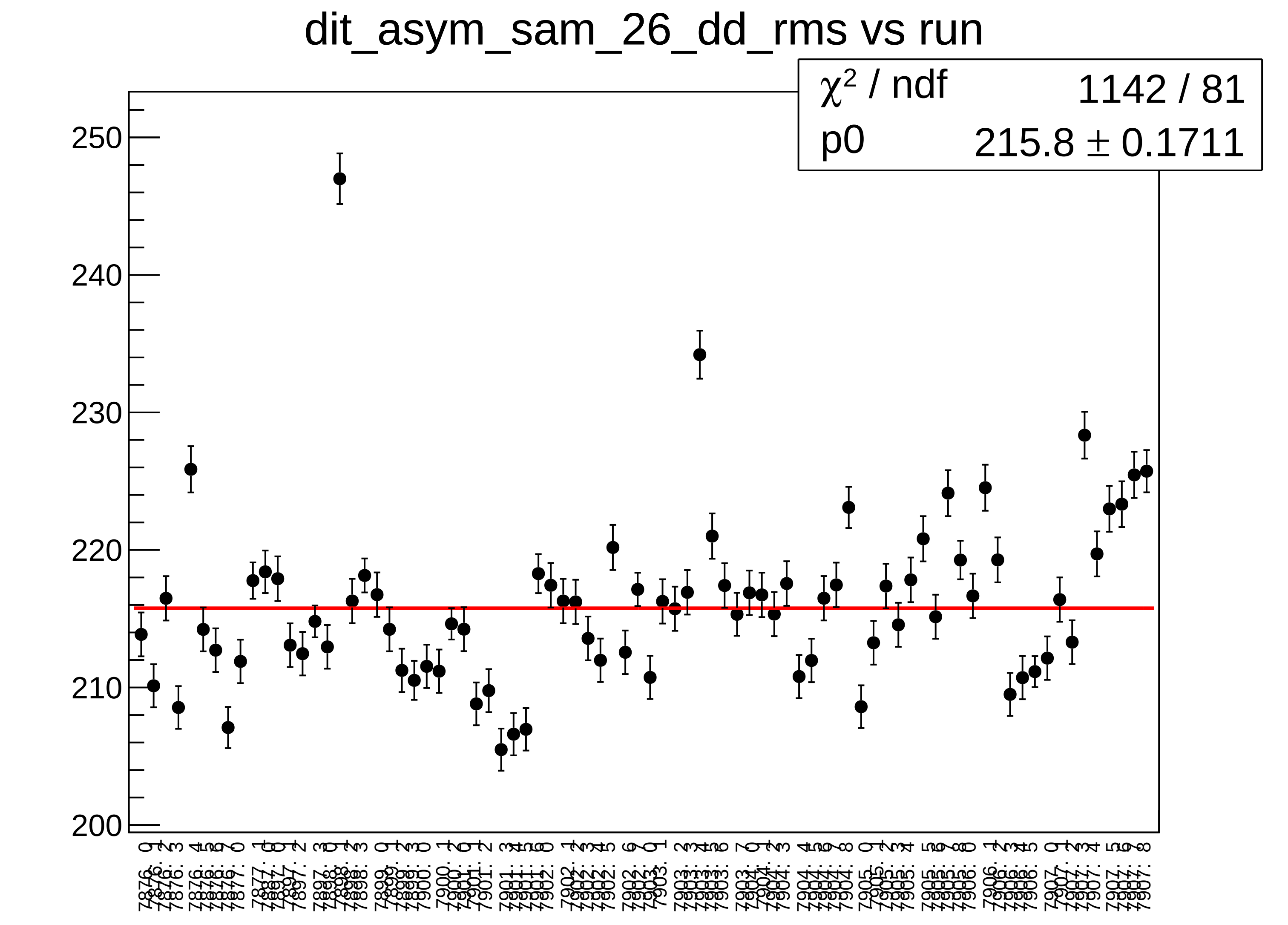


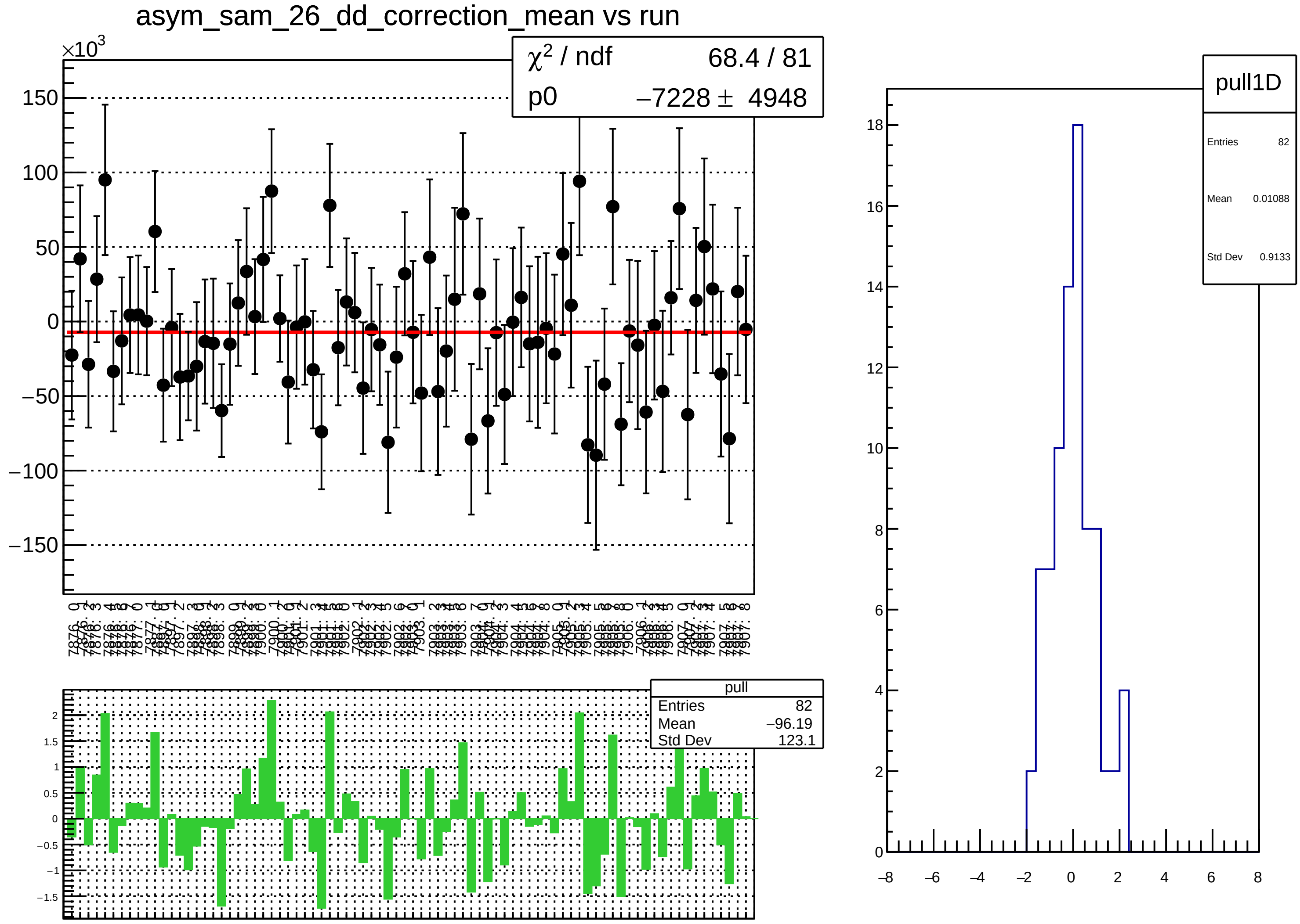
asym_sam_15_dd_mean vs run
χ^2 / ndf 63.32 / 81
p0 599.9 ± 675.4
pull
Entries 82
Mean −170.7
Std Dev 221.9
pull1D
Entries 82
Mean −0.007788
Std Dev 0.8787

asym_sam_15_dd_rms vs run

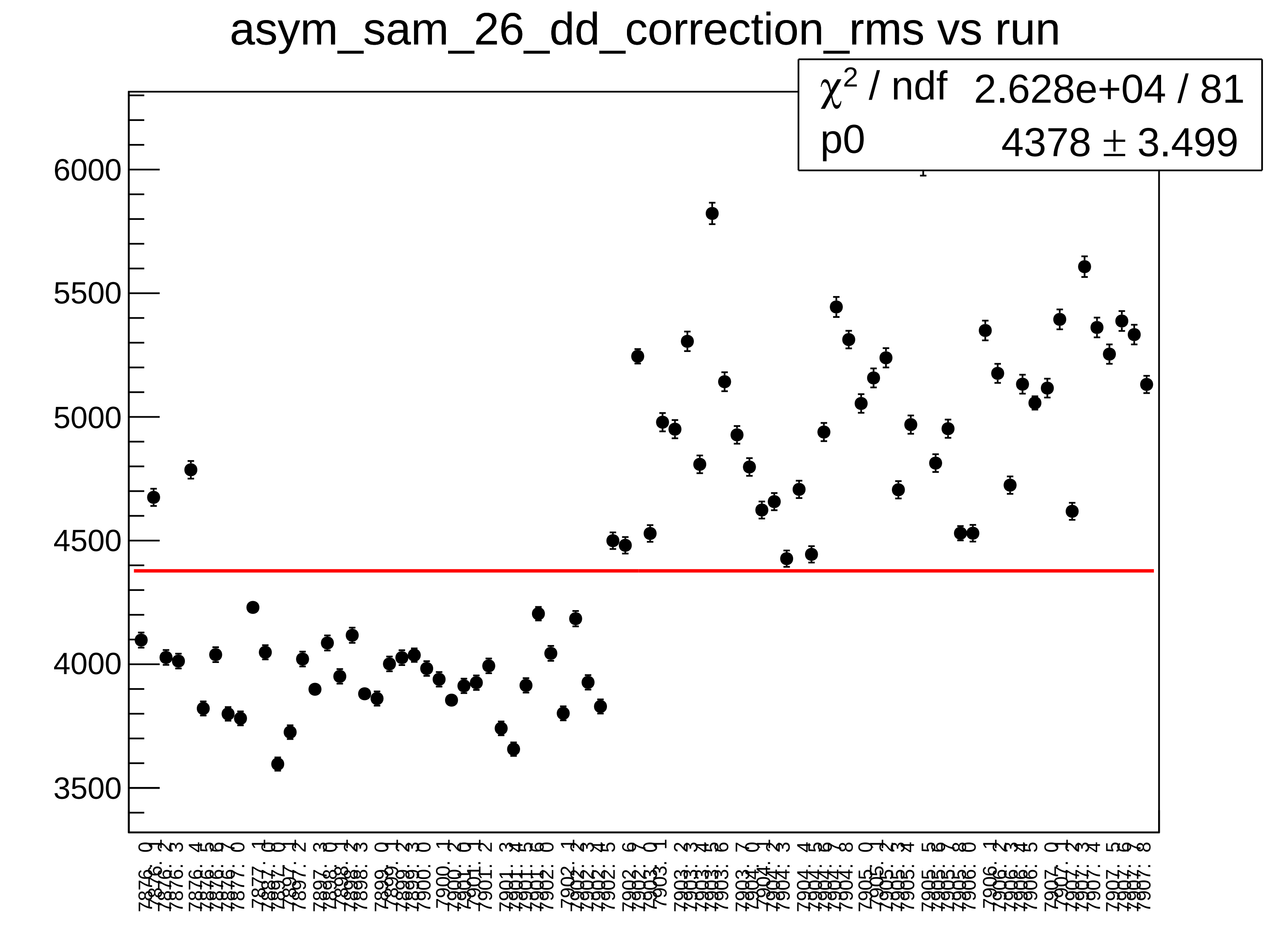



dit_asym_sam_26_dd_mean vs run
χ2 / ndf 69.86 / 81
p0 113 ± 242
pull
Entries 82
Mean −188.7
Std Dev 190.2
pull1D
Entries 82
Mean 0.006236
Std Dev 0.923

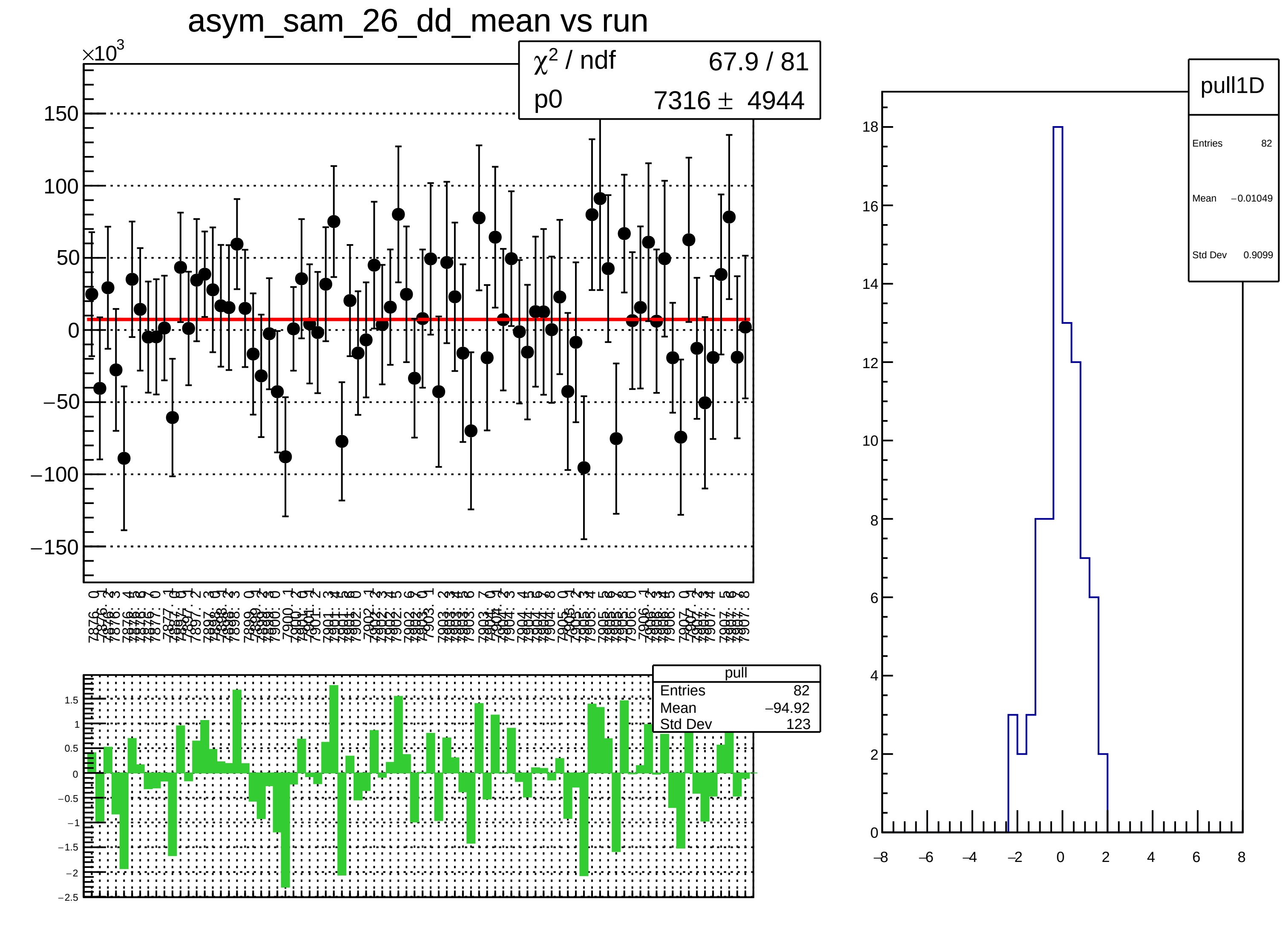

dit_asym_sam_26_dd_rms vs run
χ2 / ndf 1142 / 81
p0 215.8 ± 0.1711
250
240
230
220
210
200



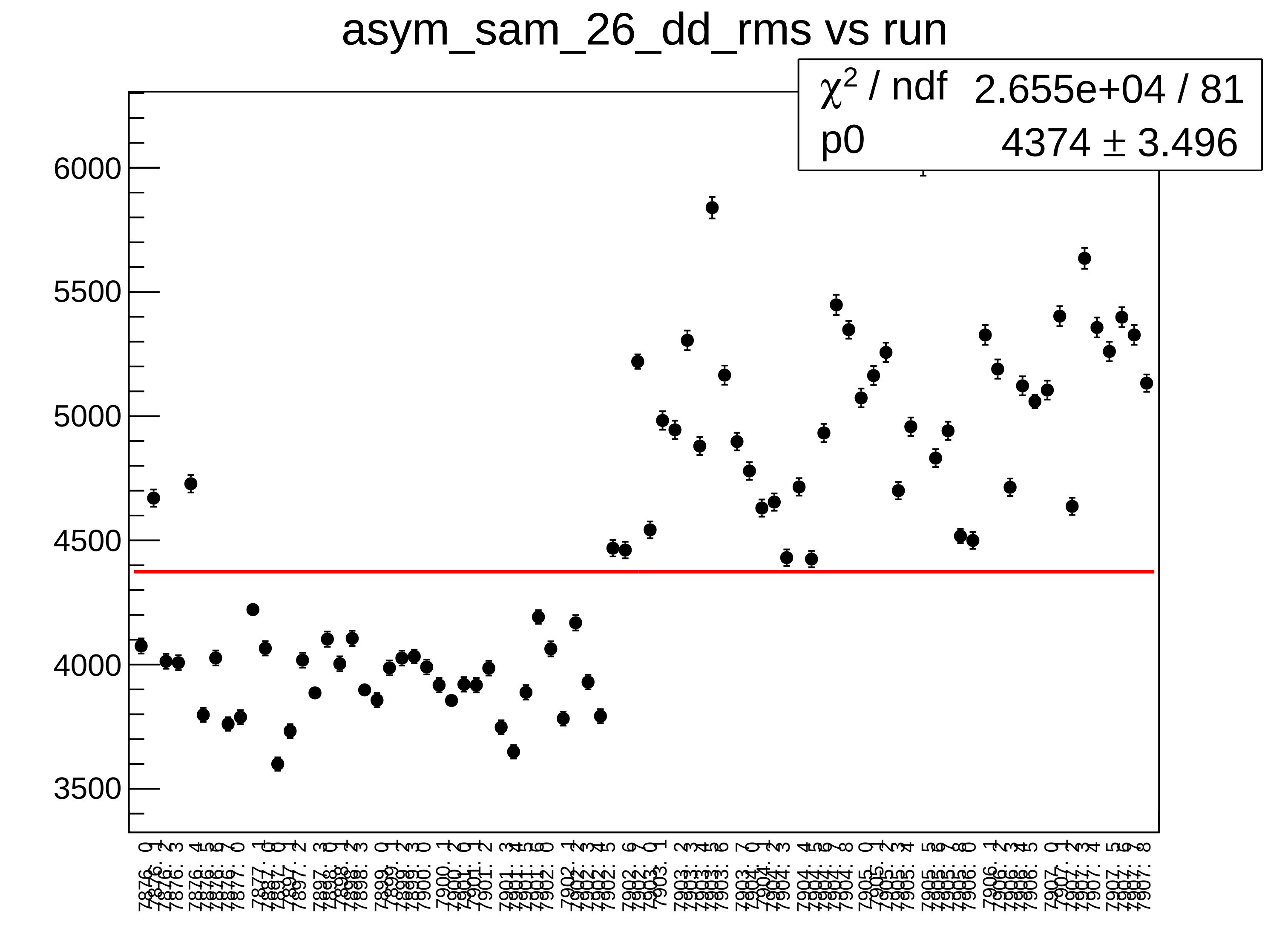
asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 68.4 / 81
p0 −7228 ± 4948
pull
Entries 82
Mean −96.19
Std Dev 123.1
pull1D
Entries 82
Mean 0.01088
Std Dev 0.9133

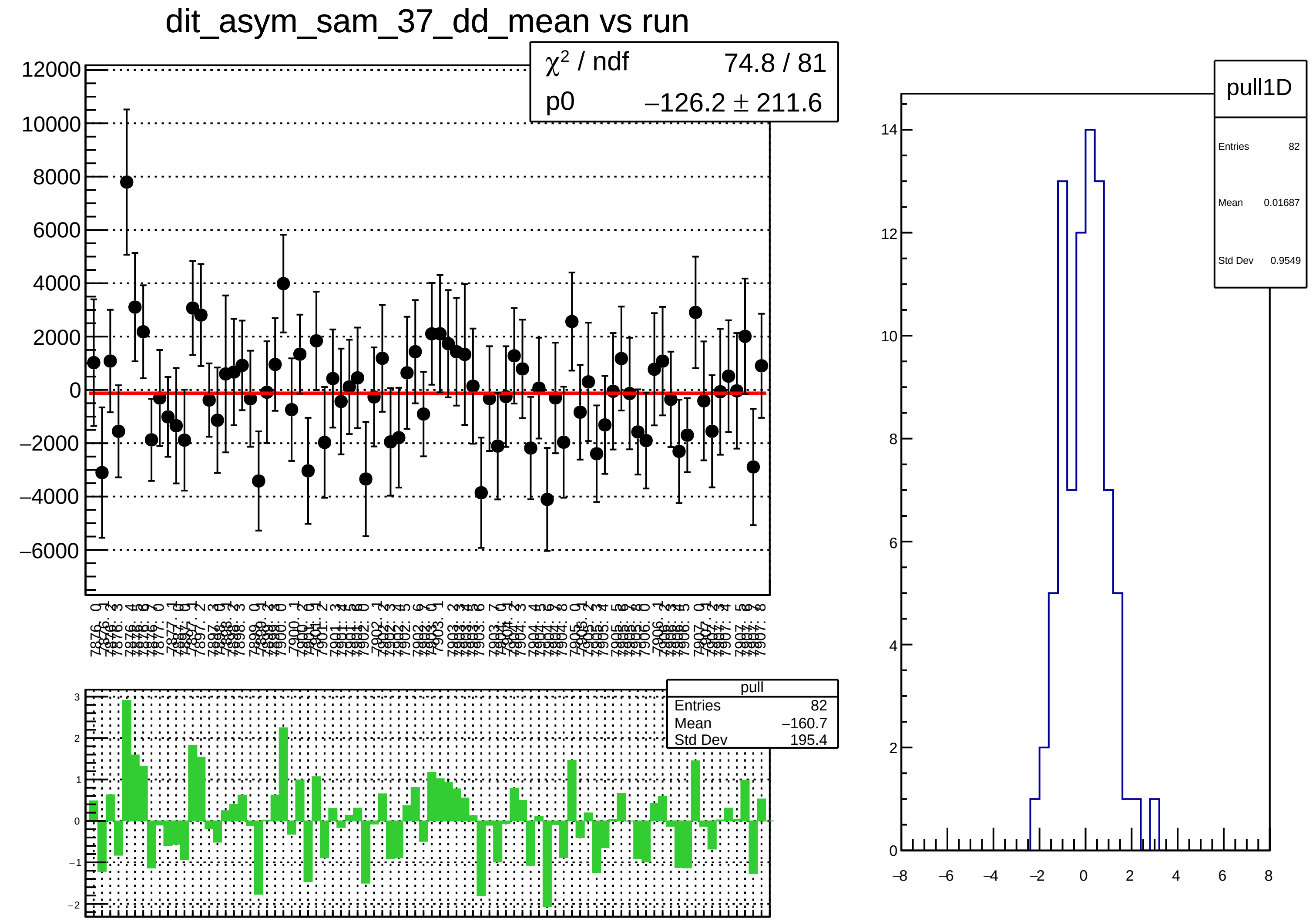


asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 2.628e+04 / 81
p0 4378 ± 3.499
6000
5500
5000
4500
4000
3500

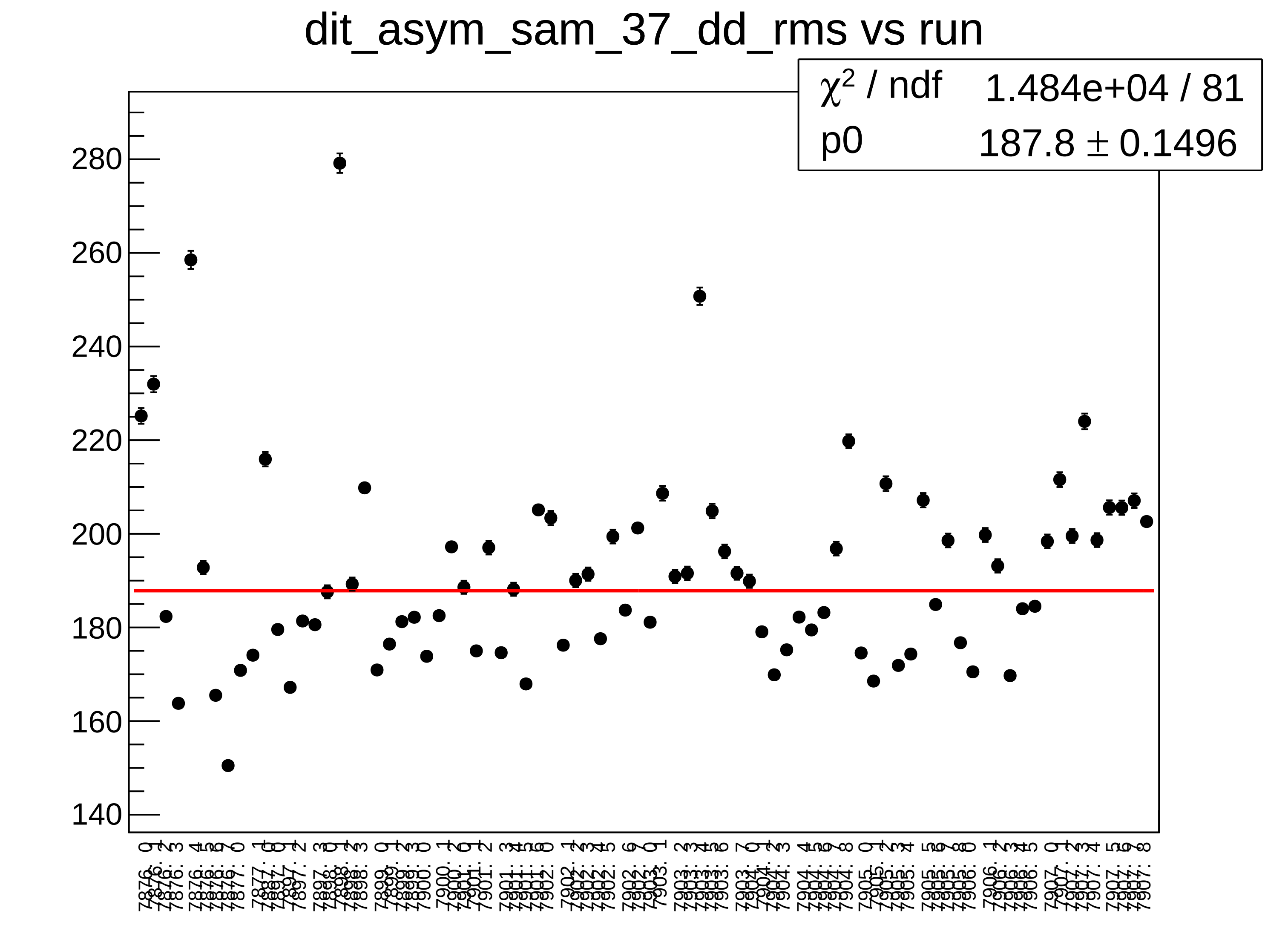


asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 67.9 / 81
p0 7316 ± 4944
pull
Entries 82
Mean −94.92
Std Dev 123
pull1D
Entries 82
Mean −0.01049
Std Dev 0.9099

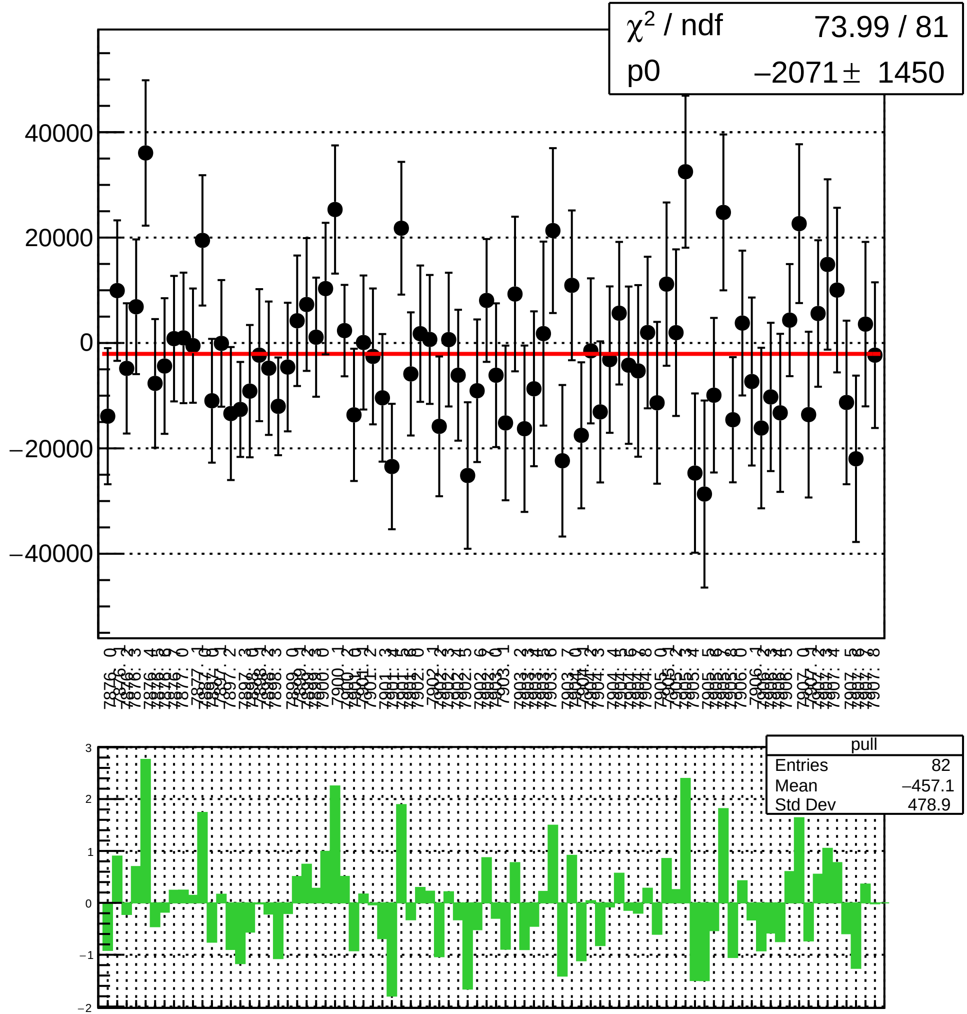

asym_sam_26_dd_rms vs run
χ2 / ndf 2.655e+04 / 81
p0 4374 ± 3.496
6000
5500
5000
4500
4000
3500

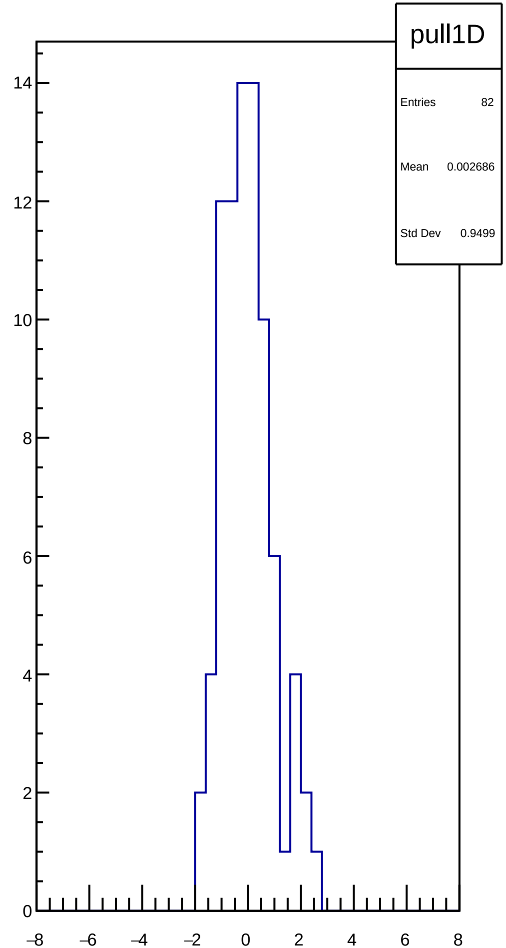


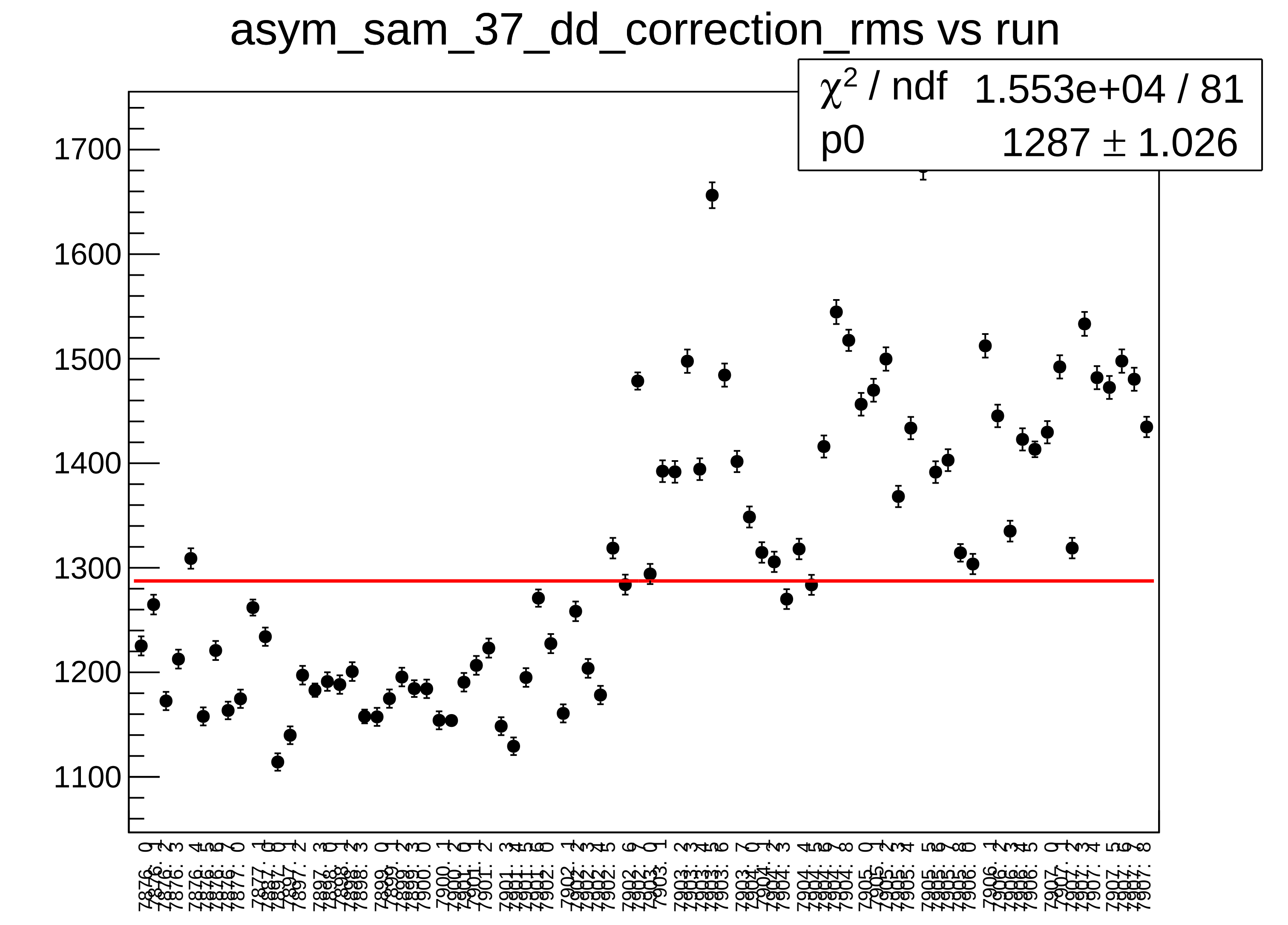
dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 74.8 / 81
p0 −126.2 ± 211.6
pull
Entries 82
Mean −160.7
Std Dev 195.4
pull1D
Entries 82
Mean 0.01687
Std Dev 0.9549


dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.484e+04 / 81
p0 187.8 ± 0.1496
280
260
240
220
200
180
160
140

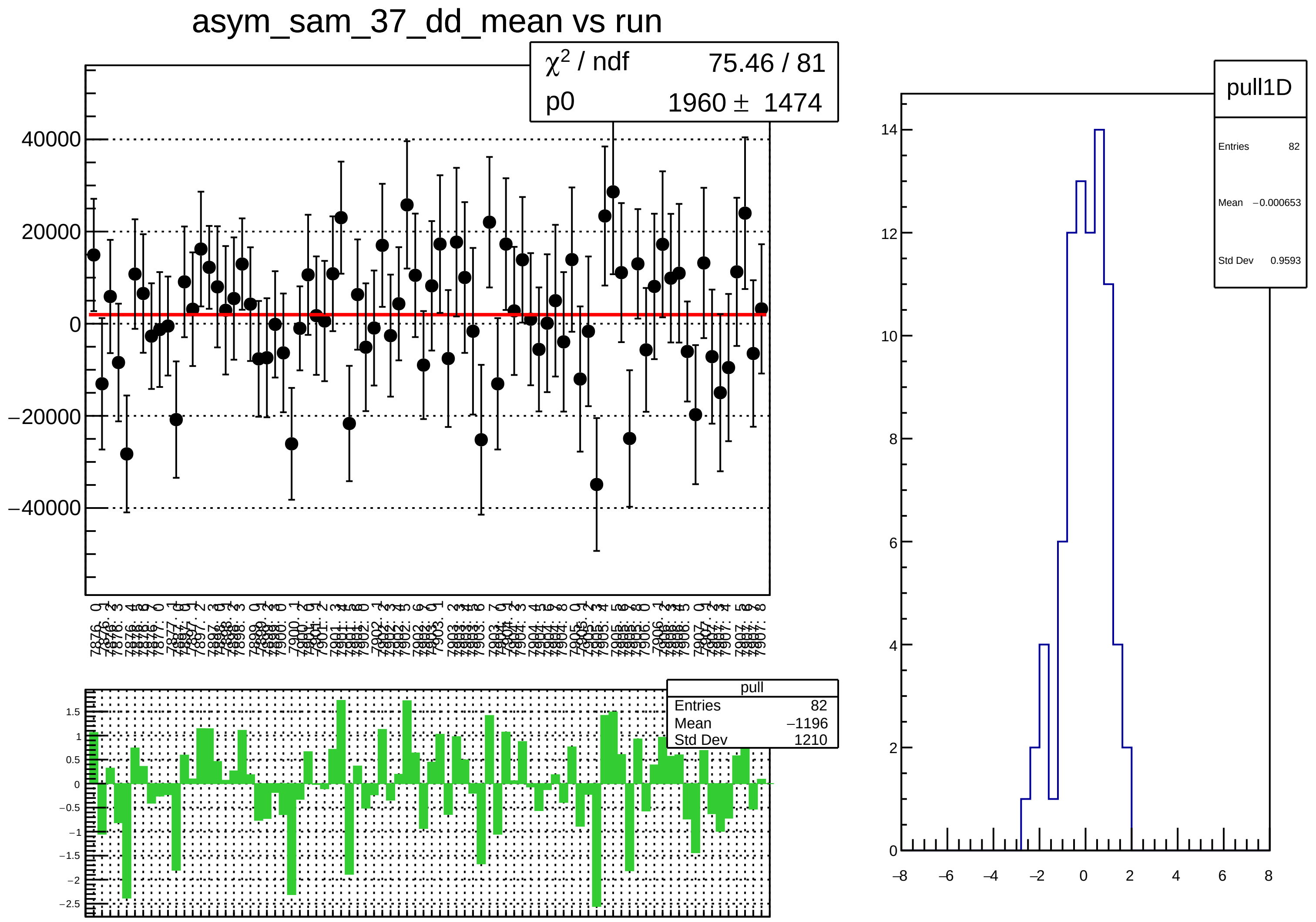
asym_sam_37_dd_correction_mean vs run



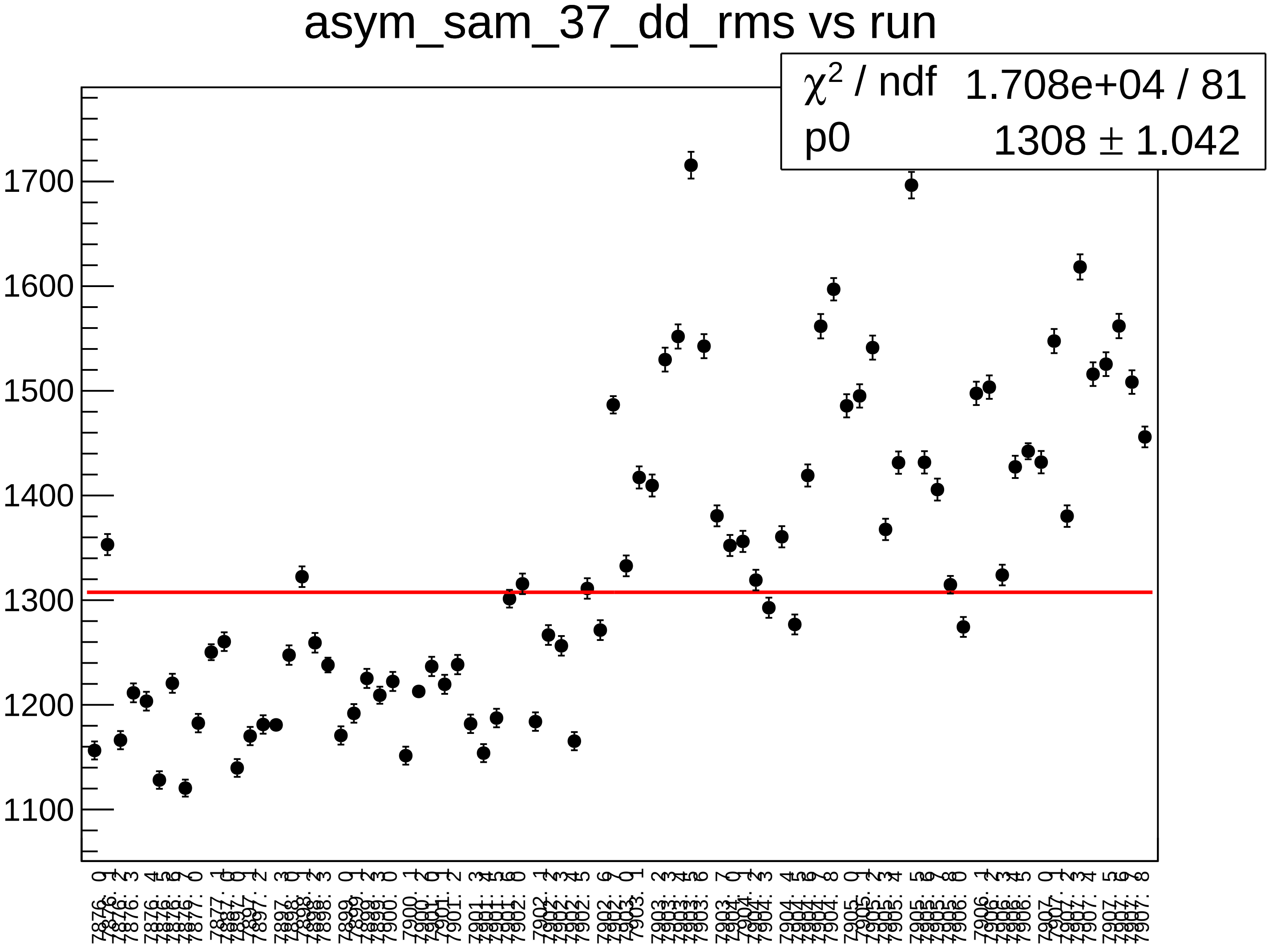




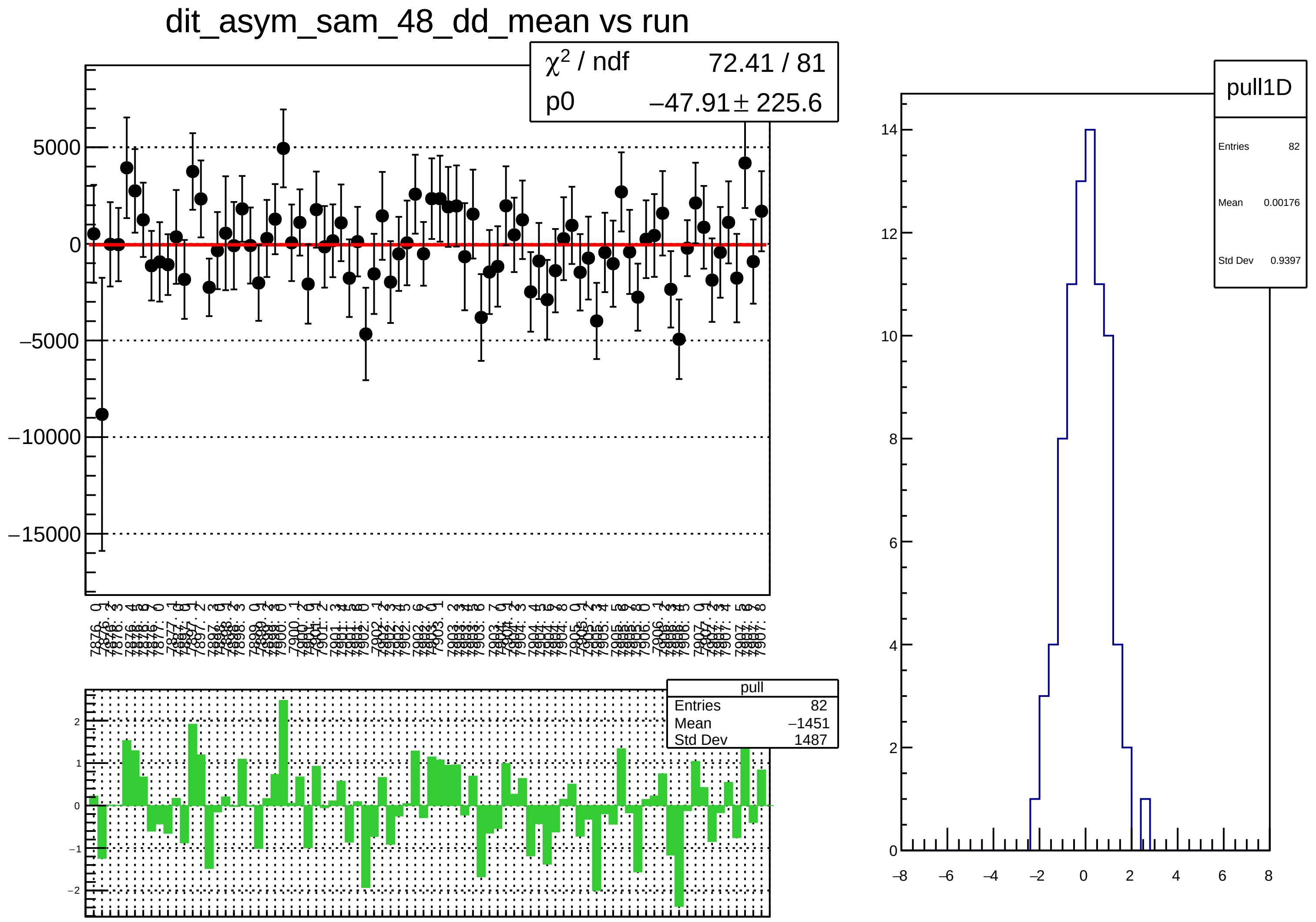
asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 1.553e+04 / 81
p0 1287 ± 1.026

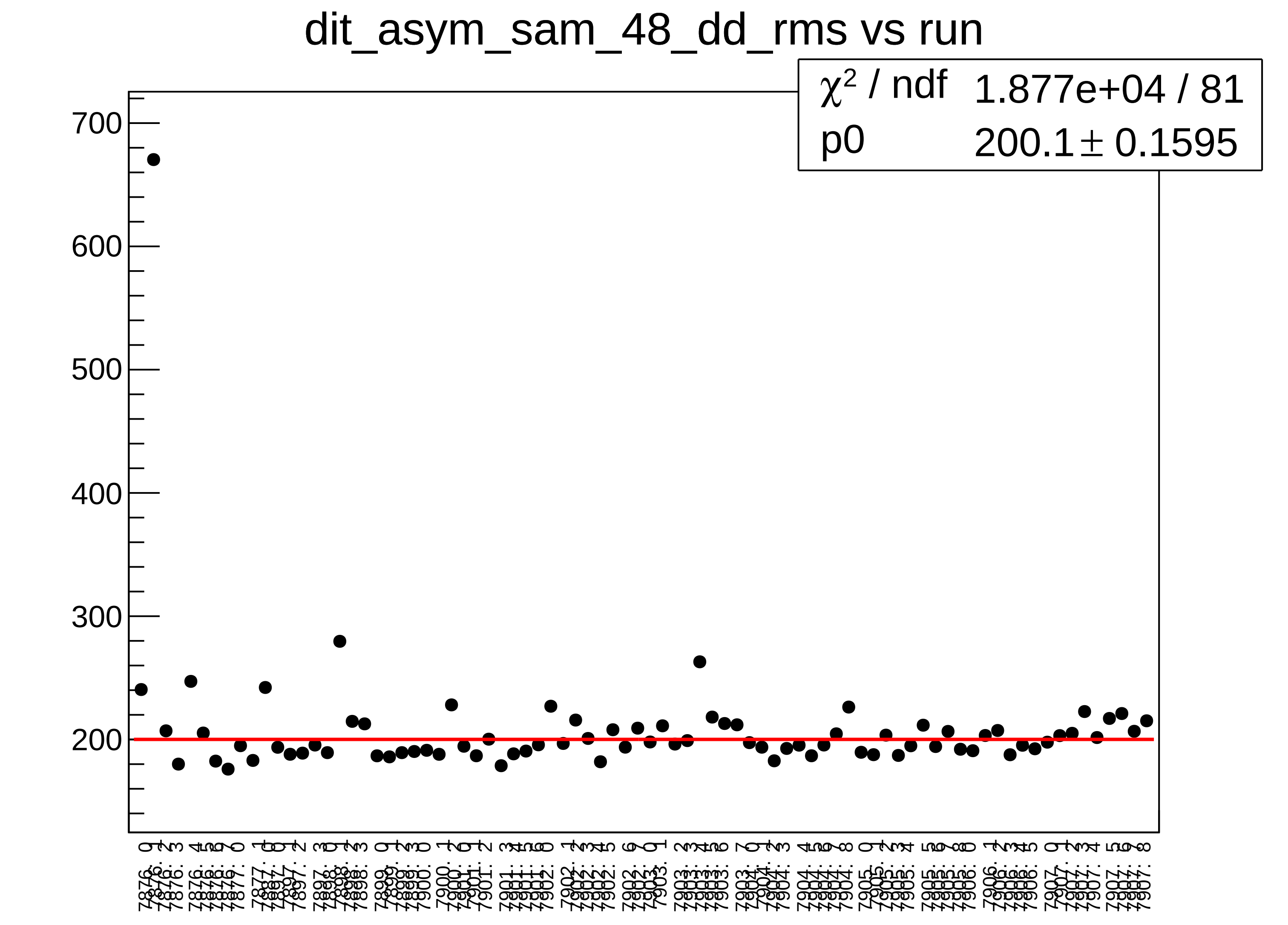


asym_sam_37_dd_mean vs run
χ^2 / ndf 75.46 / 81
p0 1960 ± 1474
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −1196
Std Dev 1210
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.000653
Std Dev 0.9593
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

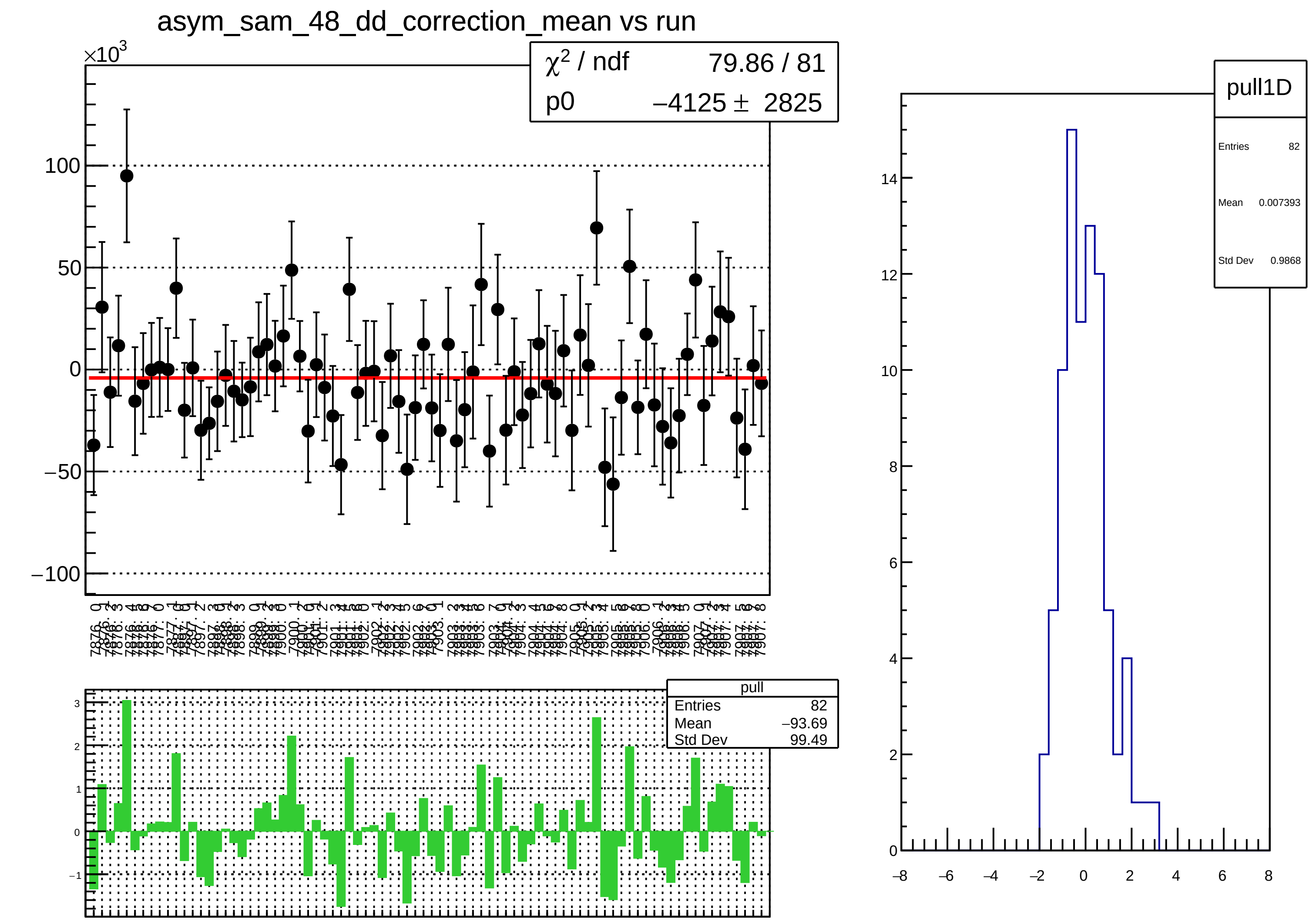


asym_sam_37_dd_rms vs run
χ^2 / ndf 1.708e+04 / 81
p0 1308 ± 1.042
1100
1200
1300
1400
1500
1600
1700

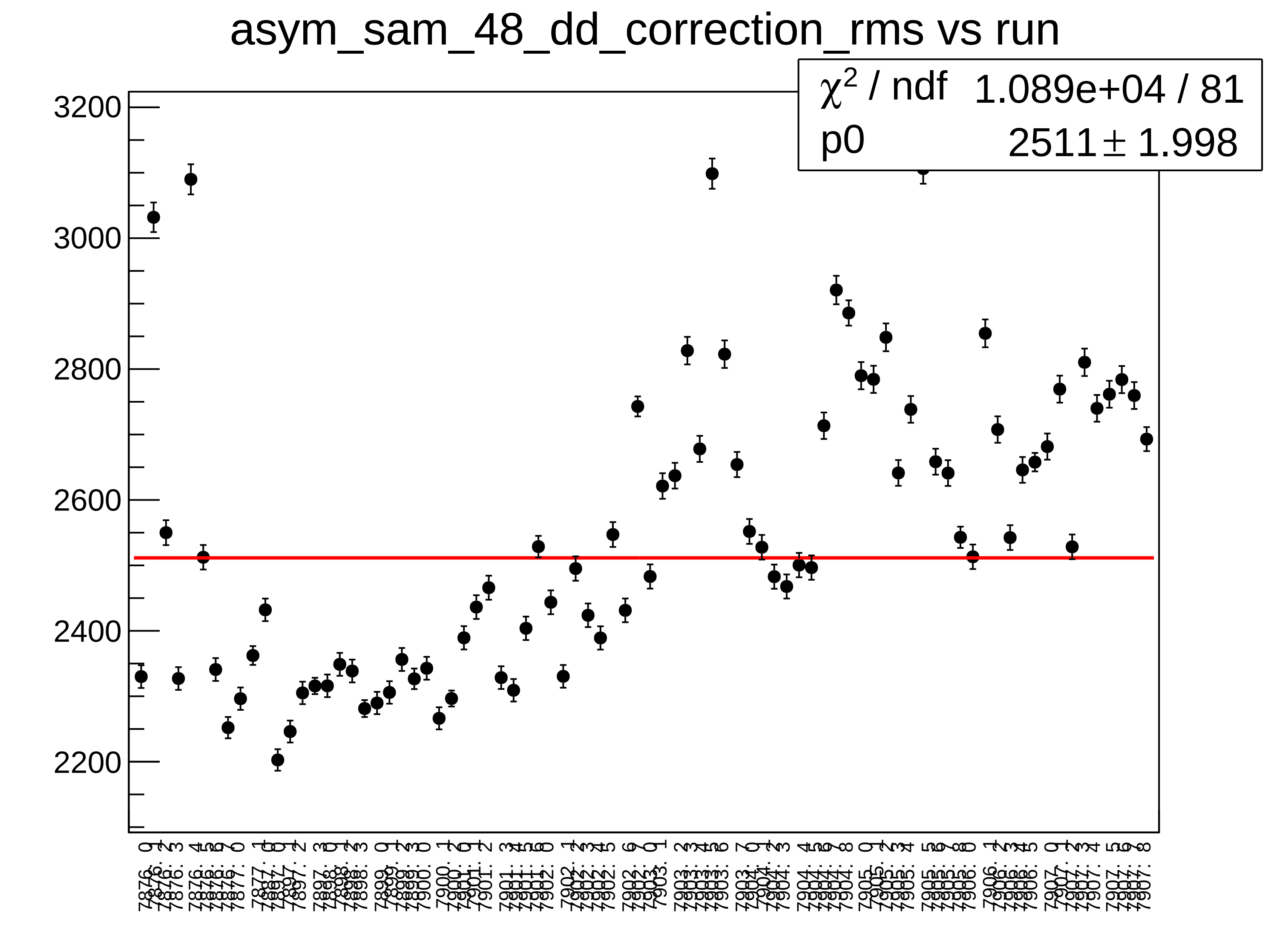

dit_asym_sam_48_dd_mean vs run
χ2 / ndf 72.41 / 81
p0 −47.91 ± 225.6
pull
Entries 82
Mean −1451
Std Dev 1487
pull1D
Entries 82
Mean 0.00176
Std Dev 0.9397



dit_asym_sam_48_dd_rms vs run
χ2 / ndf 1.877e+04 / 81
p0 200.1 ± 0.1595
700
600
500
400
300
200

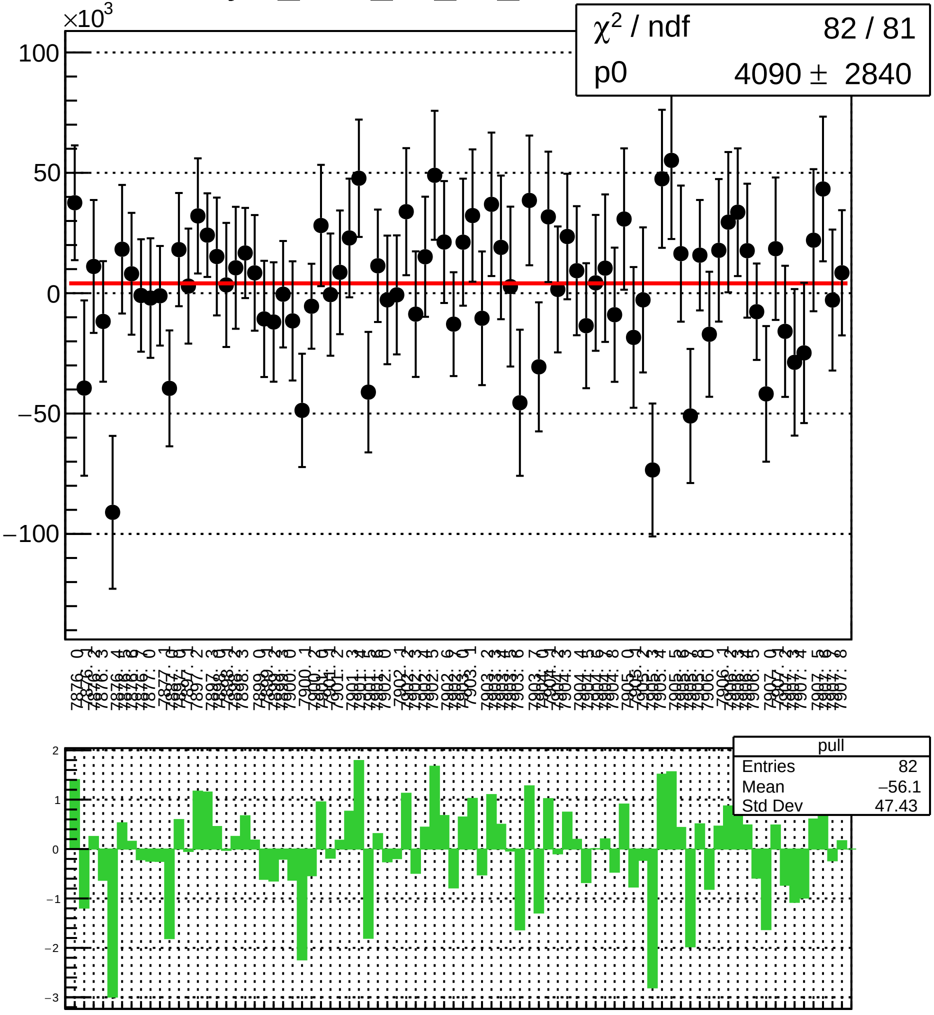


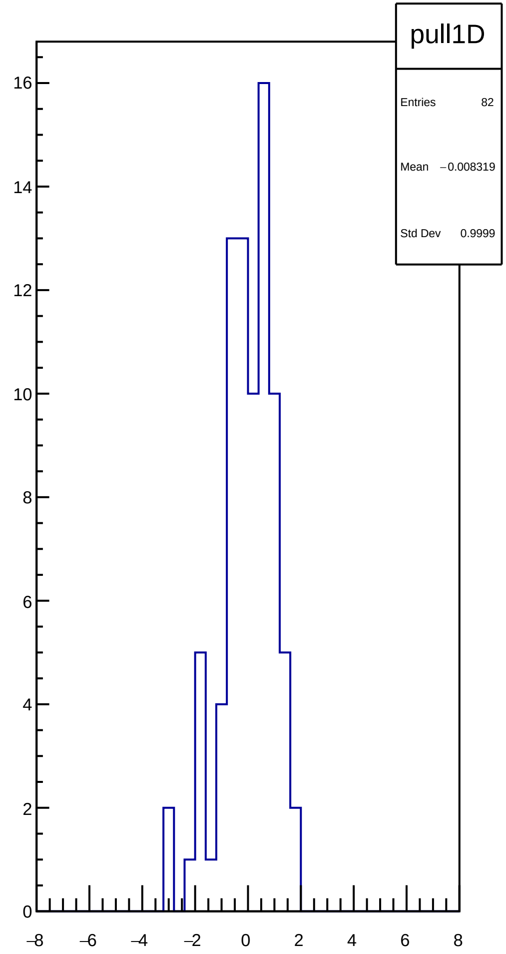
asym_sam_48_dd_correction_mean vs run
×10^3
χ^2 / ndf 79.86 / 81
p0 −4125 ± 2825
100
50
0
−50
−100
pull
Entries 82
Mean −93.69
Std Dev 99.49
pull1D
Entries 82
Mean 0.007393
Std Dev 0.9868

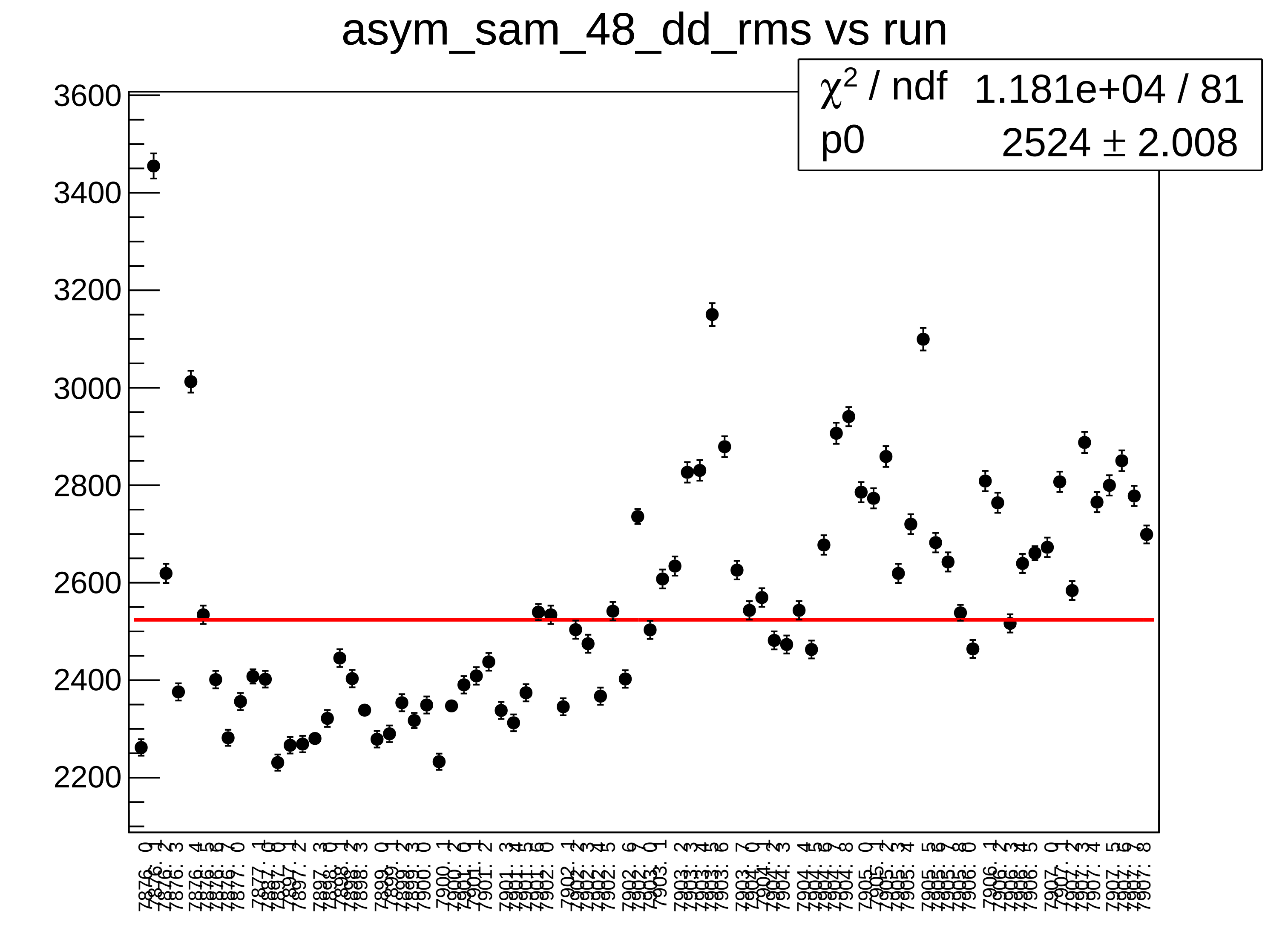


asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 1.089e+04 / 81
p0 2511 ± 1.998
3200
3000
2800
2600
2400
2200

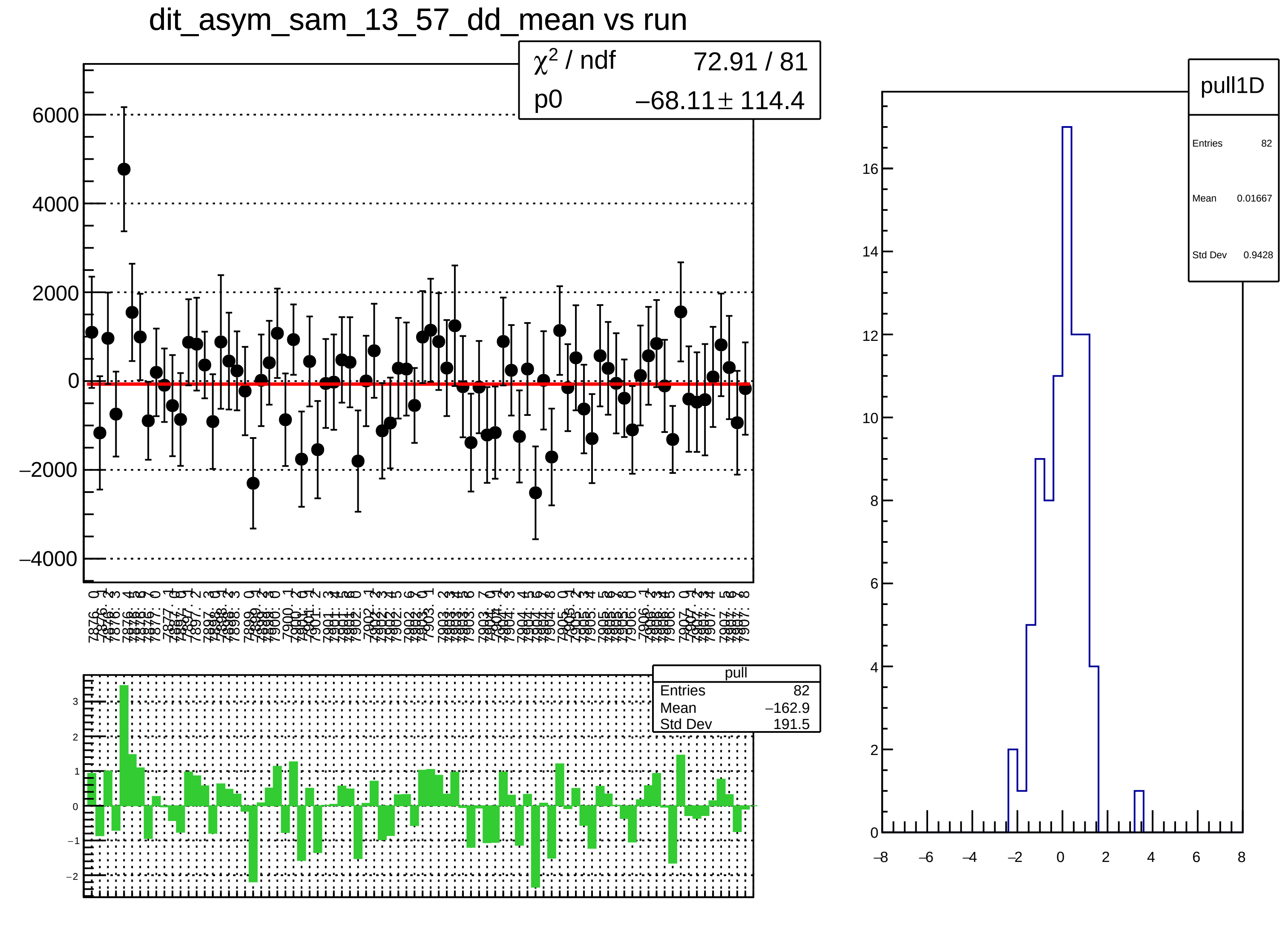
asym_sam_48_dd_mean vs run



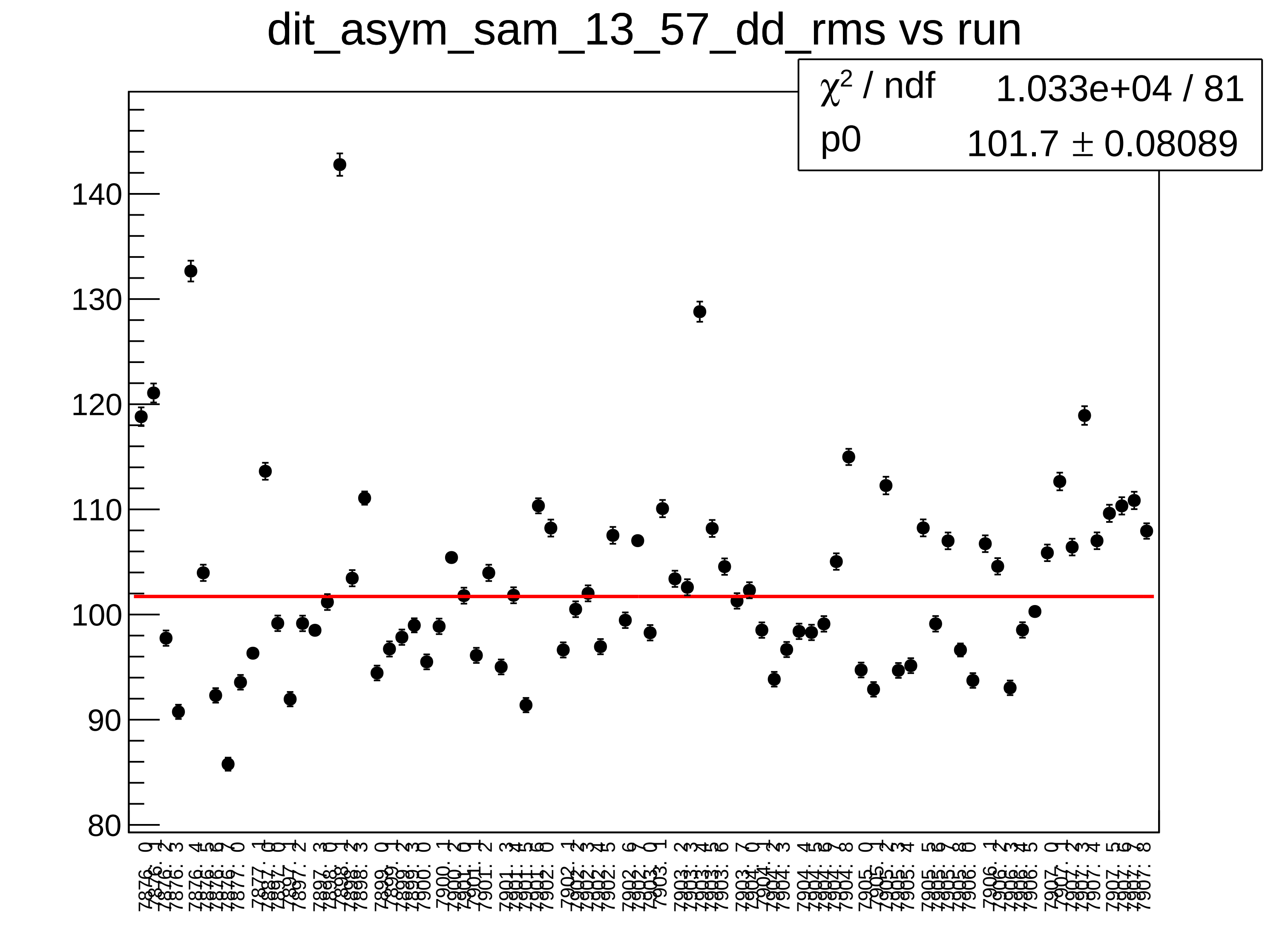




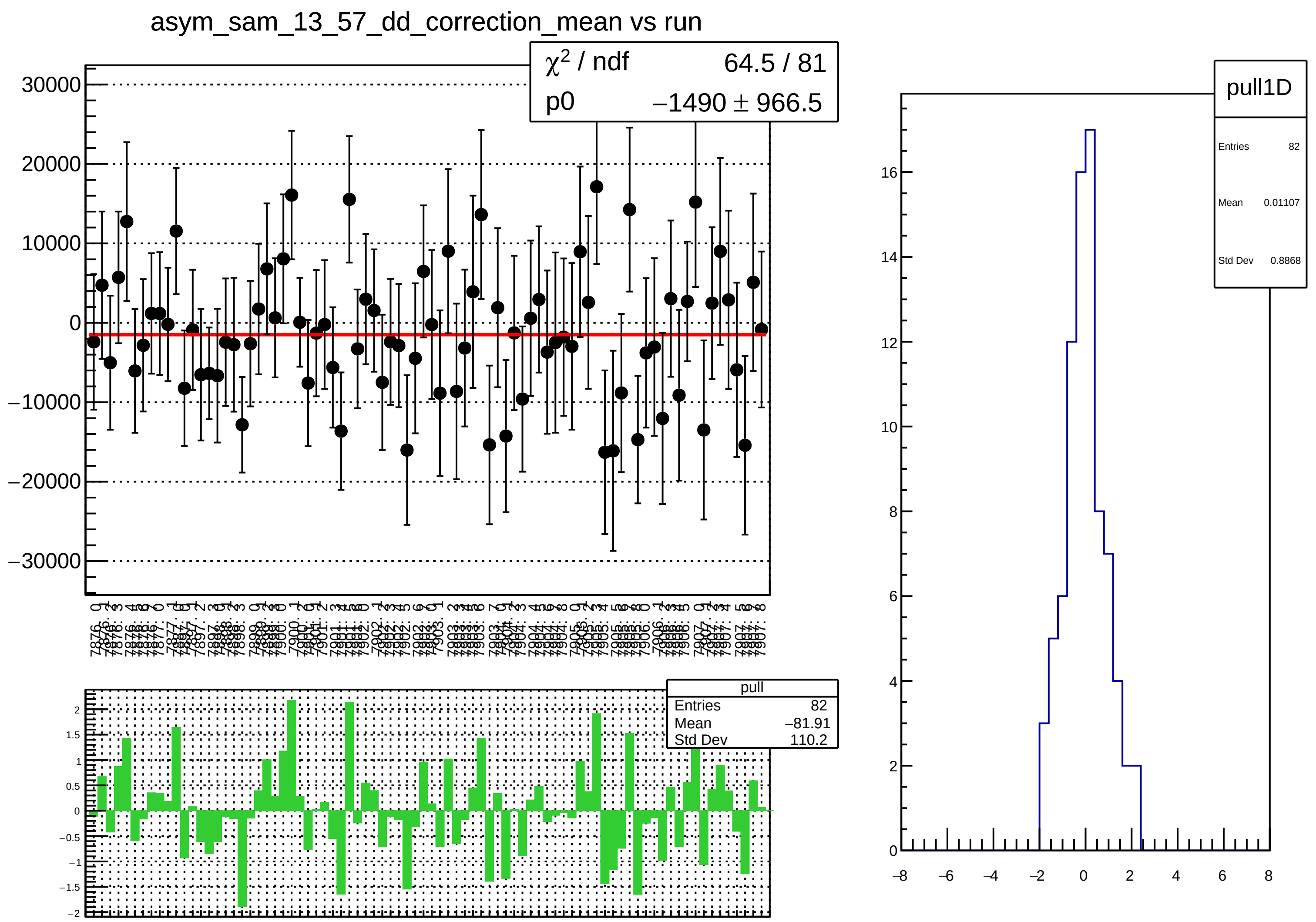
asym_sam_48_dd_rms vs run
χ^2 / ndf 1.181e+04 / 81
p0 2524 ± 2.008
3600
3400
3200
3000
2800
2600
2400
2200



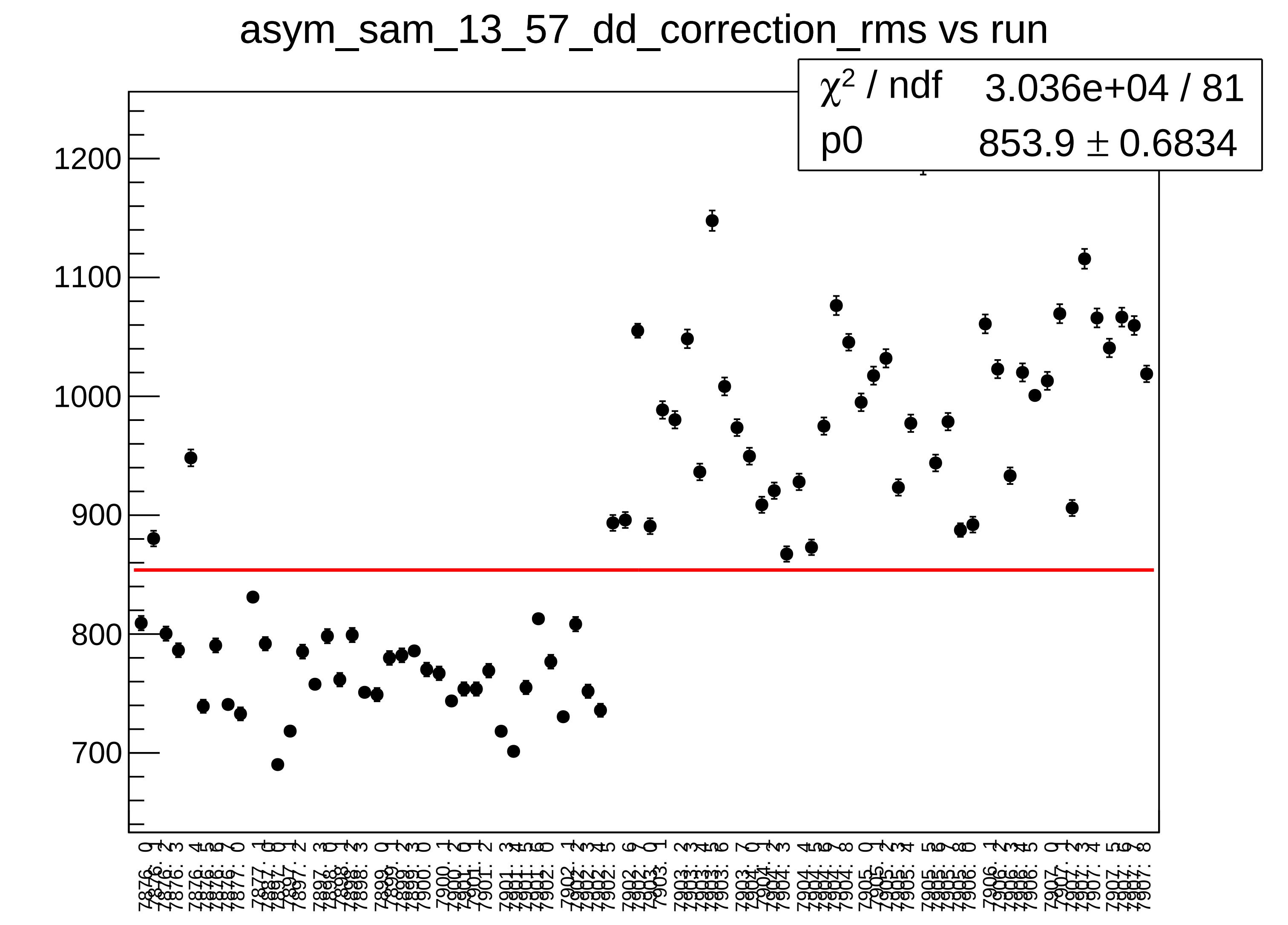
dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 72.91 / 81
p0 −68.11 ± 114.4
pull
Entries 82
Mean −162.9
Std Dev 191.5
pull1D
Entries 82
Mean 0.01667
Std Dev 0.9428



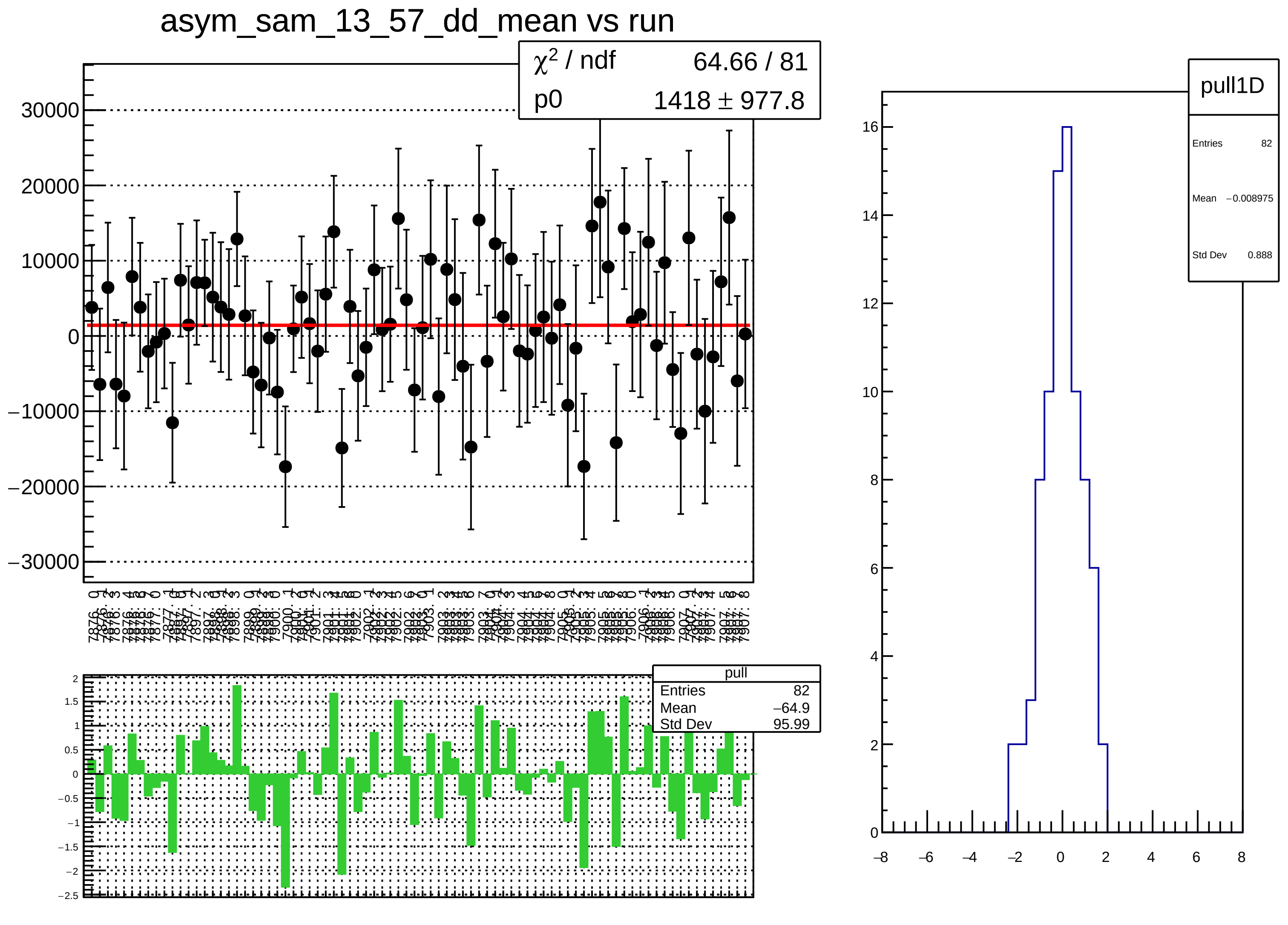
dit_asym_sam_13_57_dd_rms vs run
χ2 / ndf 1.033e+04 / 81
p0 101.7 ± 0.08089
140
130
120
110
100
90
80

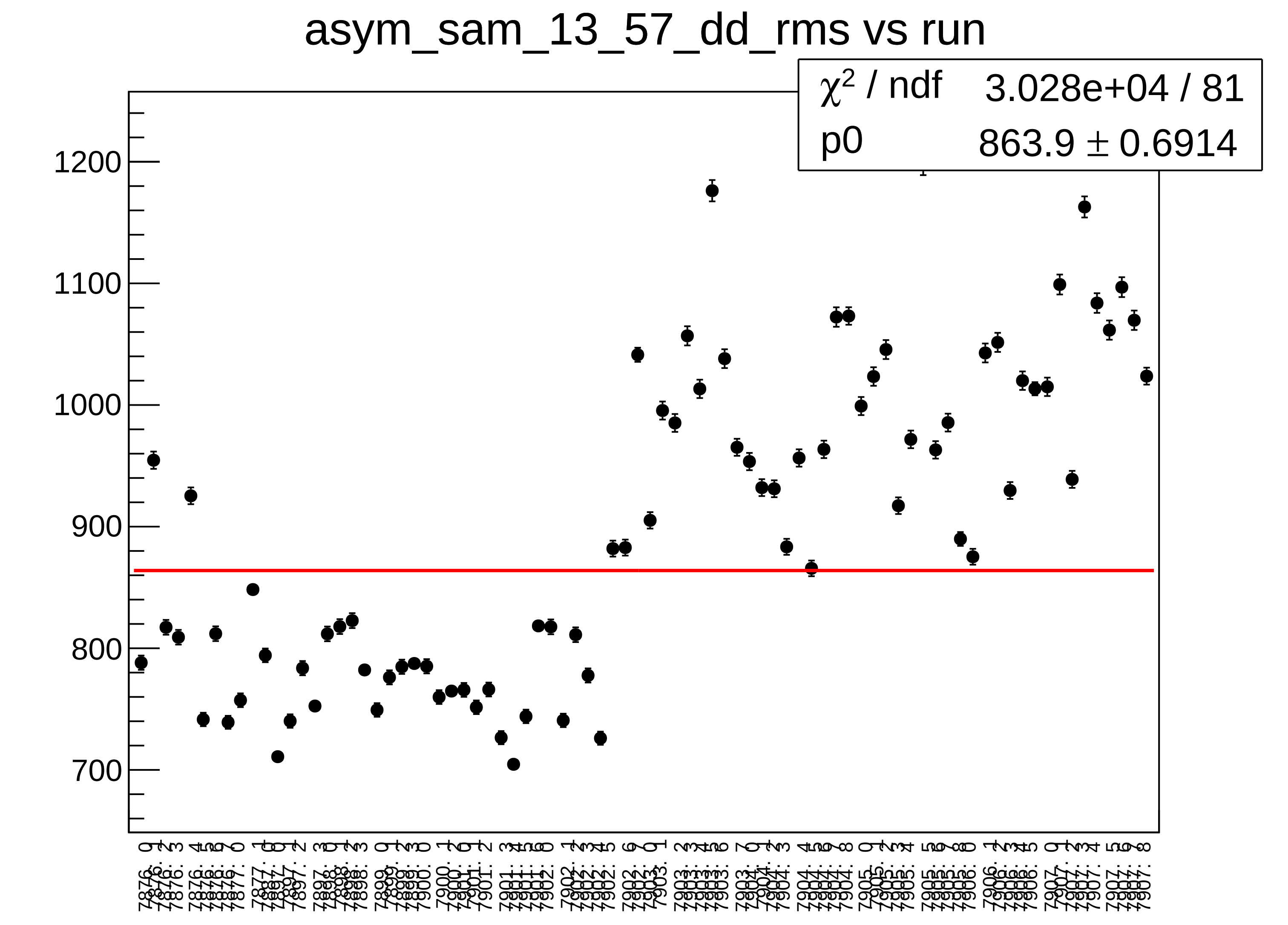


asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 64.5 / 81
p0 −1490 ± 966.5
pull
Entries 82
Mean −81.91
Std Dev 110.2
pull1D
Entries 82
Mean 0.01107
Std Dev 0.8868

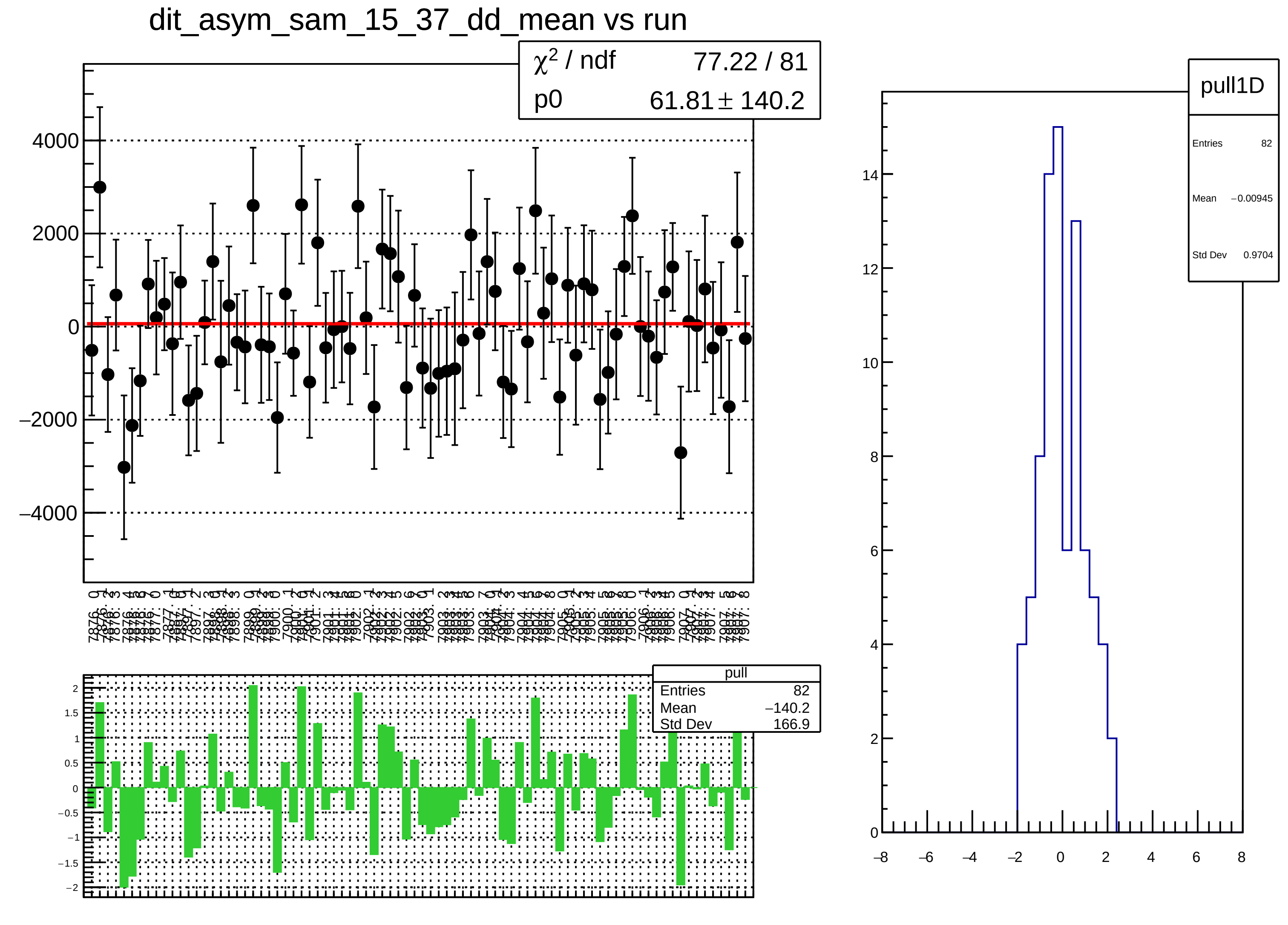


asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 3.036e+04 / 81
p0 853.9 ± 0.6834
1200
1100
1000
900
800
700

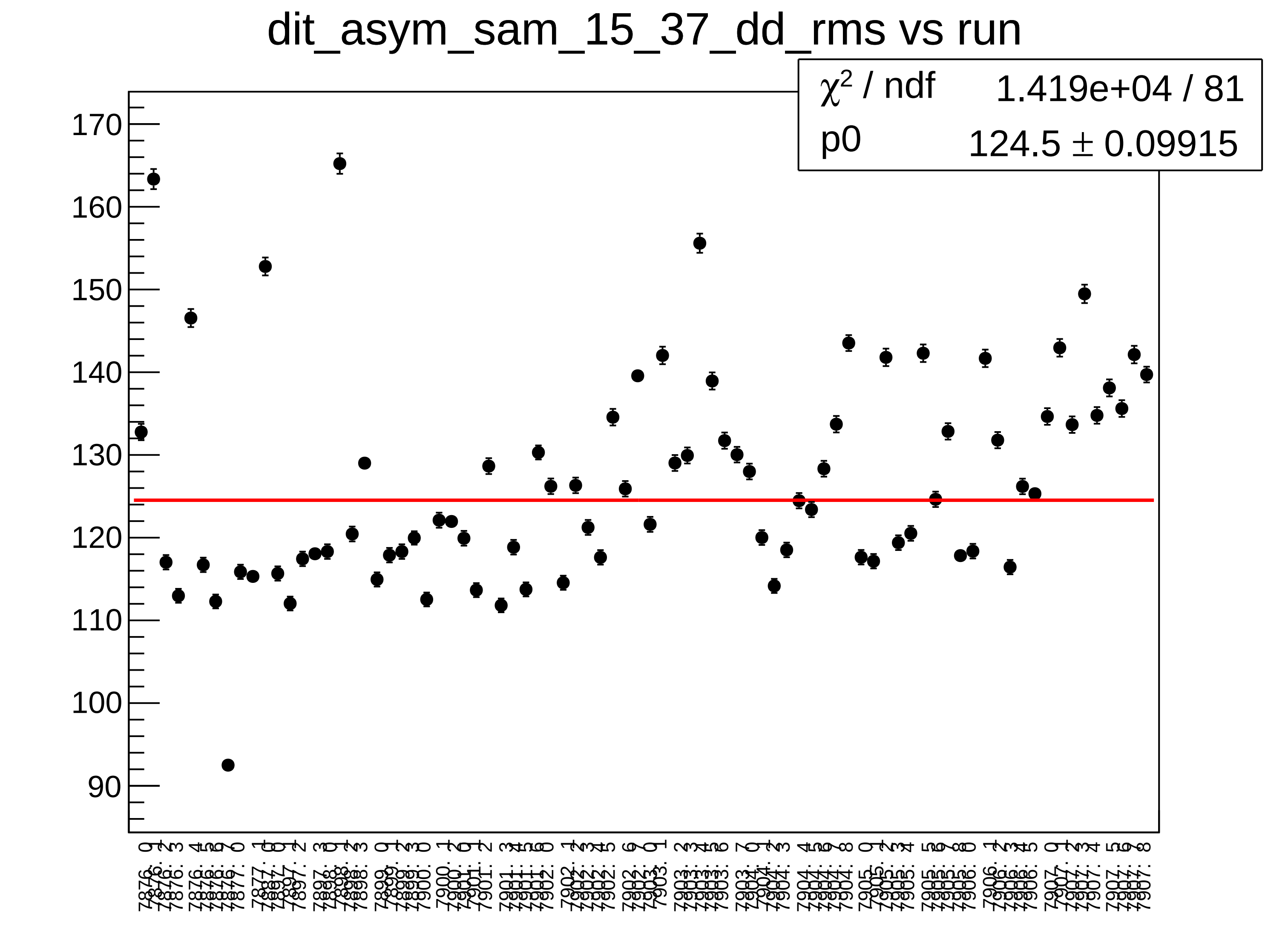

asym_sam_13_57_dd_mean vs run
χ^2 / ndf 64.66 / 81
p0 1418 ± 977.8
pull
Entries 82
Mean −64.9
Std Dev 95.99
pull1D
Entries 82
Mean −0.008975
Std Dev 0.888



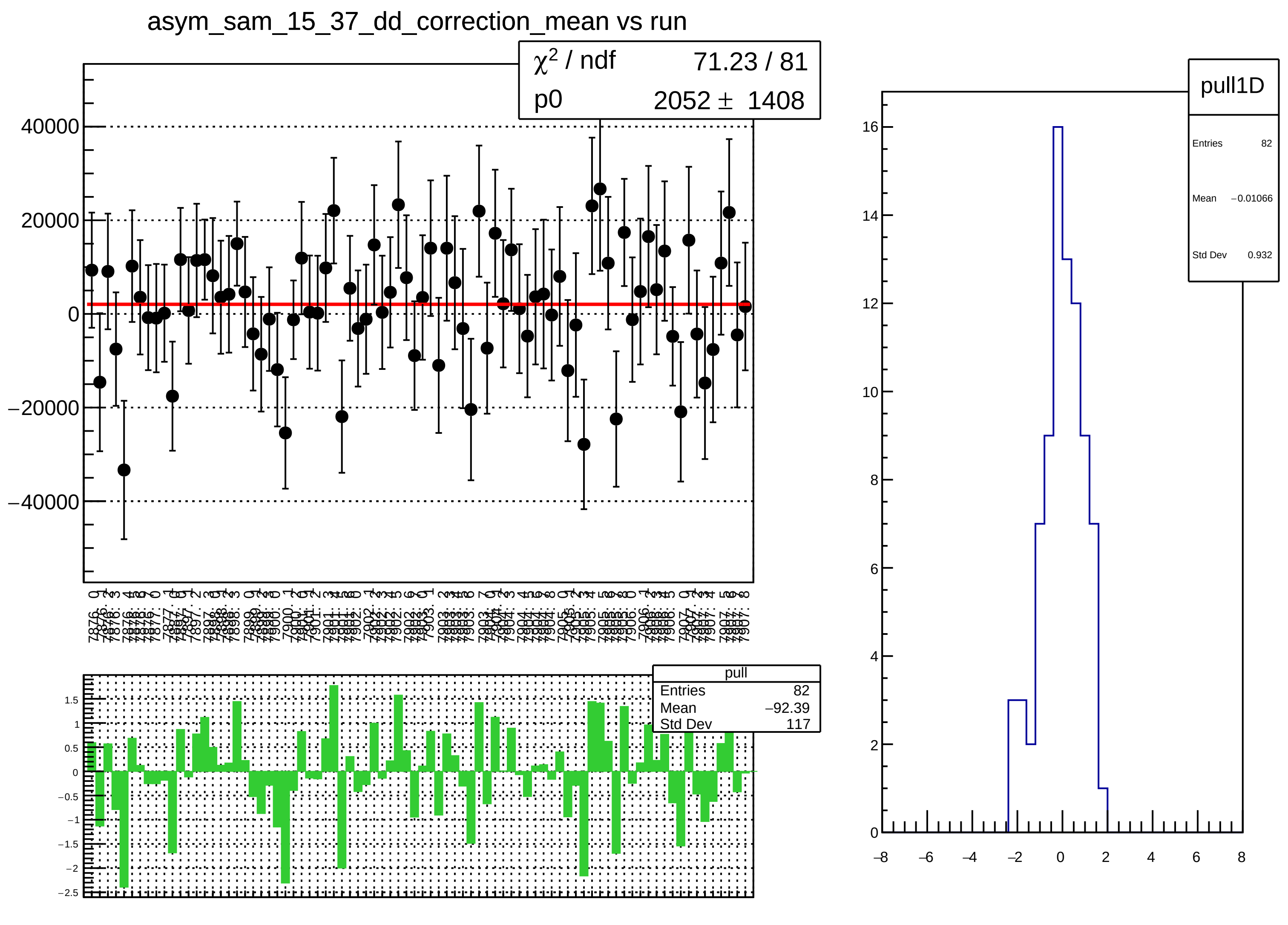
asym_sam_13_57_dd_rms vs run
χ2 / ndf 3.028e+04 / 81
p0 863.9 ± 0.6914
1200
1100
1000
900
800
700



dit_asym_sam_15_37_dd_mean vs run
χ2 / ndf 77.22 / 81
p0 61.81 ± 140.2
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −140.2
Std Dev 166.9
pull1D
Entries 82
Mean −0.00945
Std Dev 0.9704

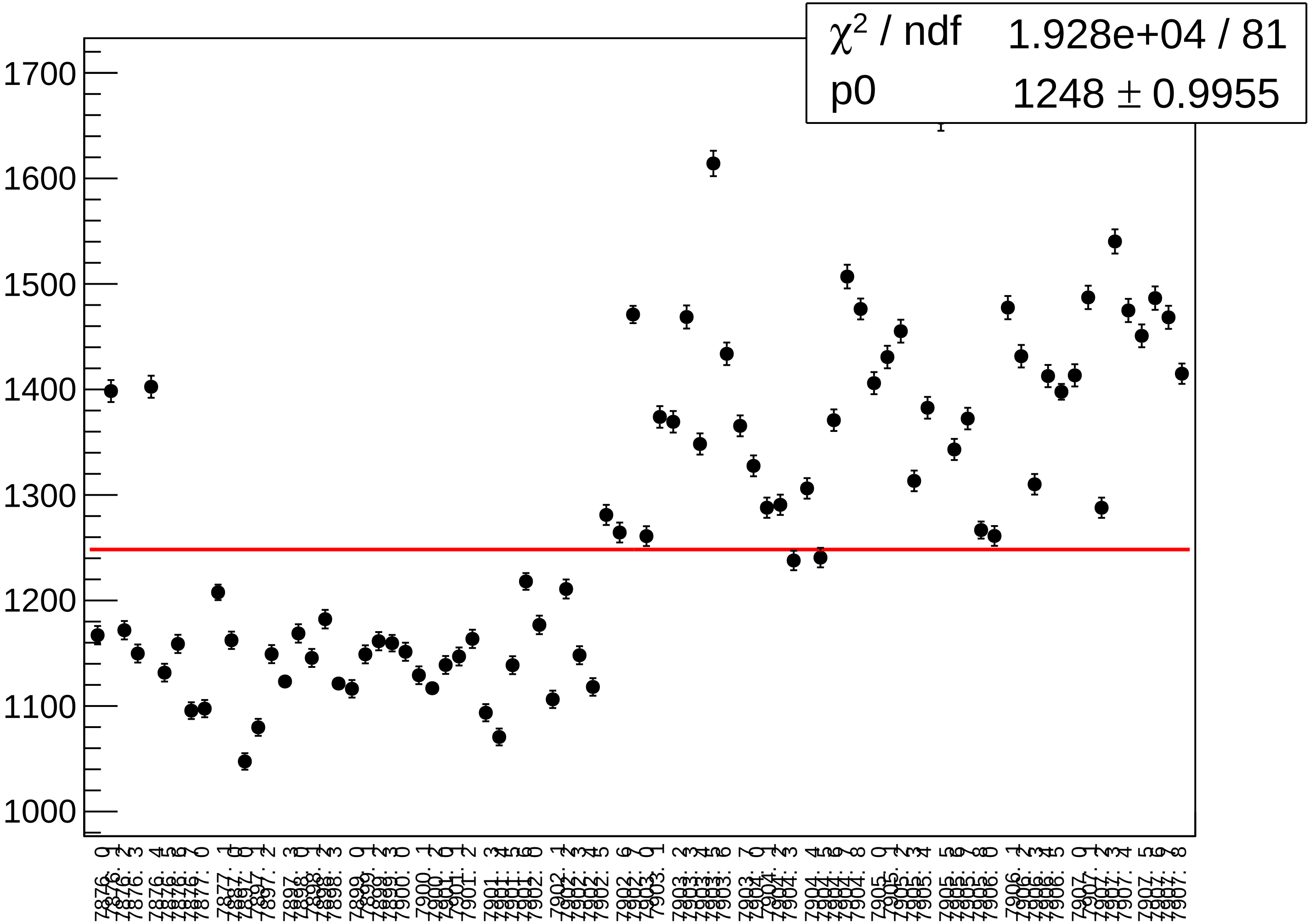


dit_asym_sam_15_37_dd_rms vs run
χ2 / ndf 1.419e+04 / 81
p0 124.5 ± 0.09915
170
160
150
140
130
120
110
100
90

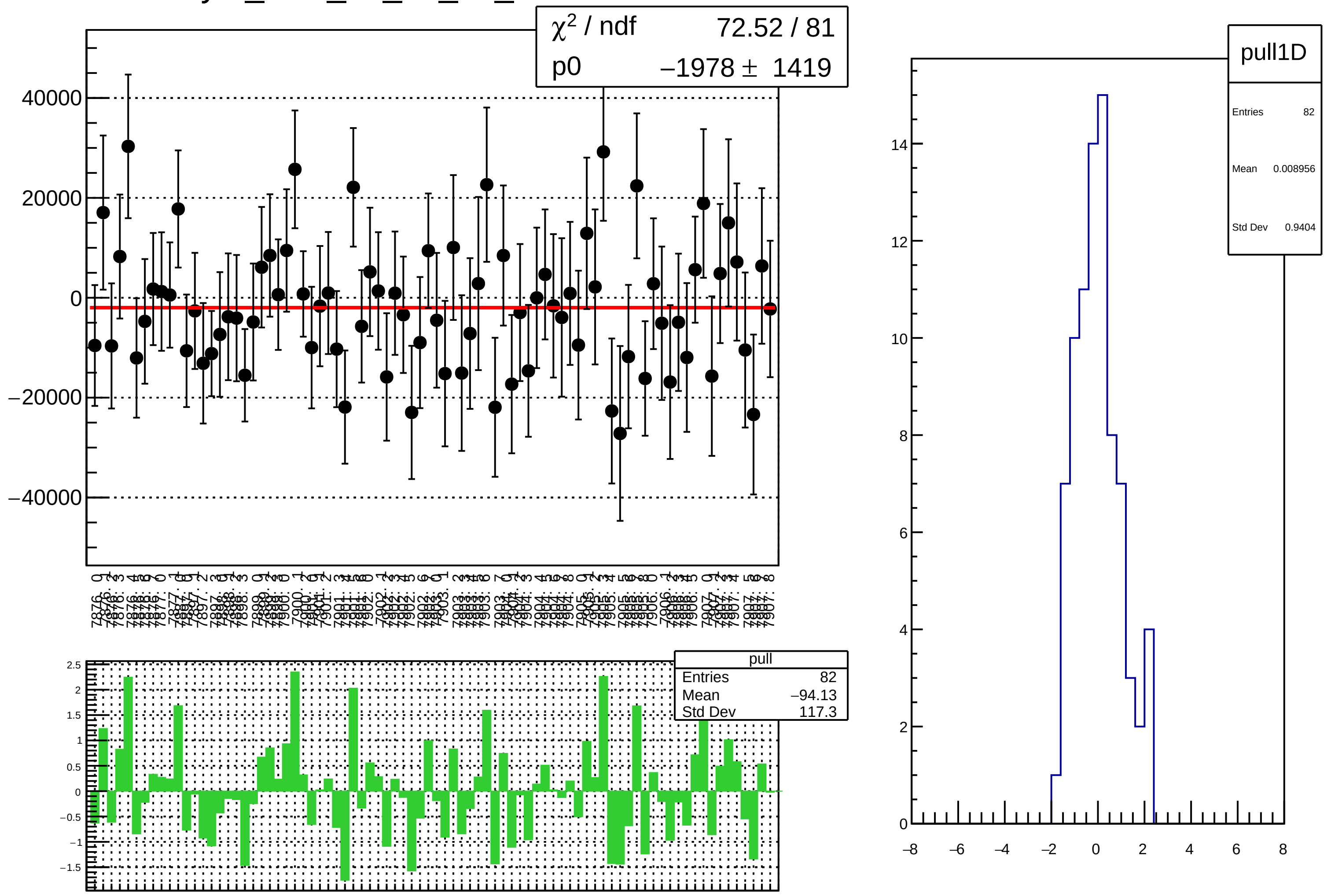


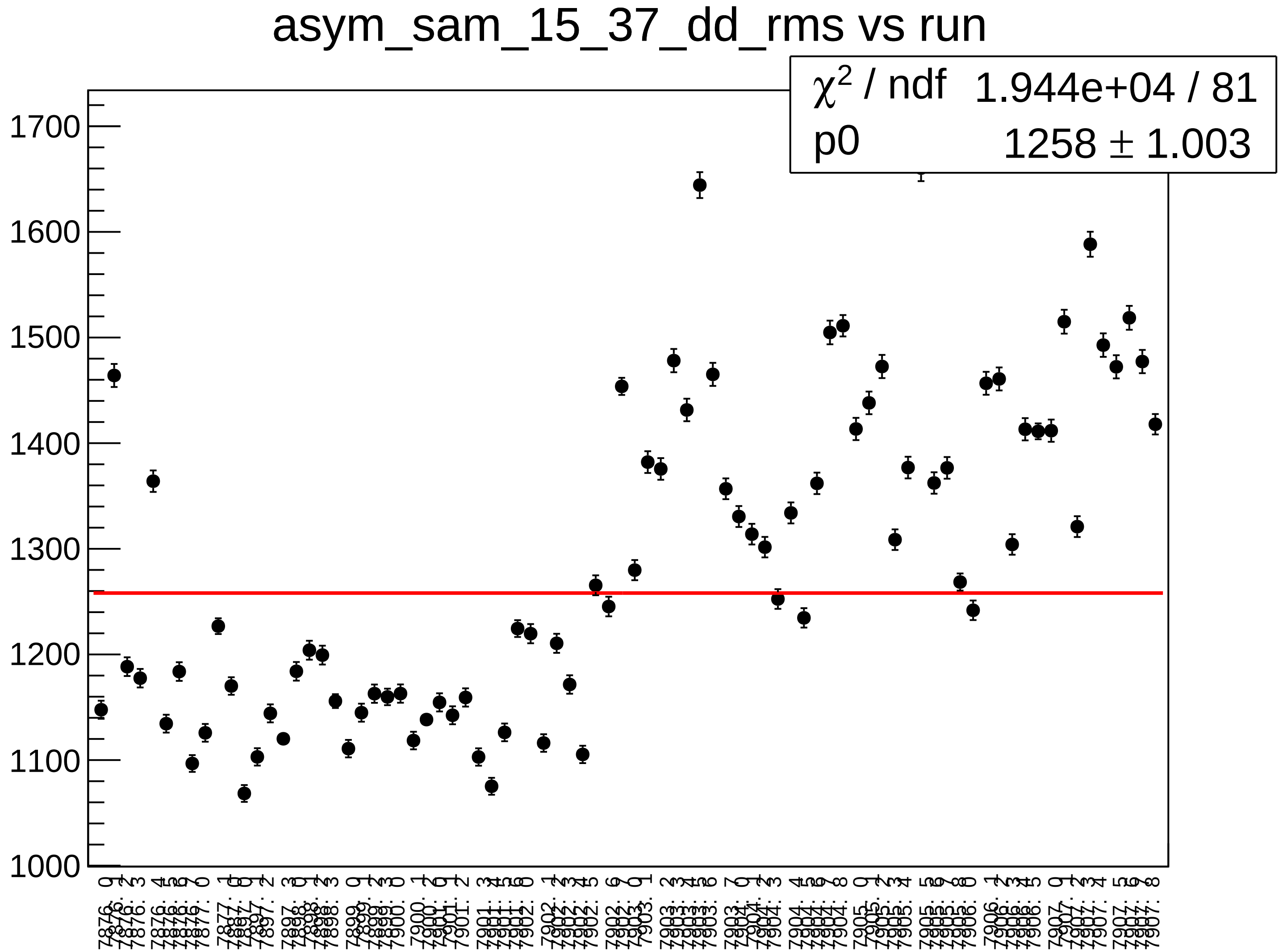
asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 71.23 / 81
p0 2052 ± 1408
pull
Entries 82
Mean −92.39
Std Dev 117
pull1D
Entries 82
Mean −0.01066
Std Dev 0.932

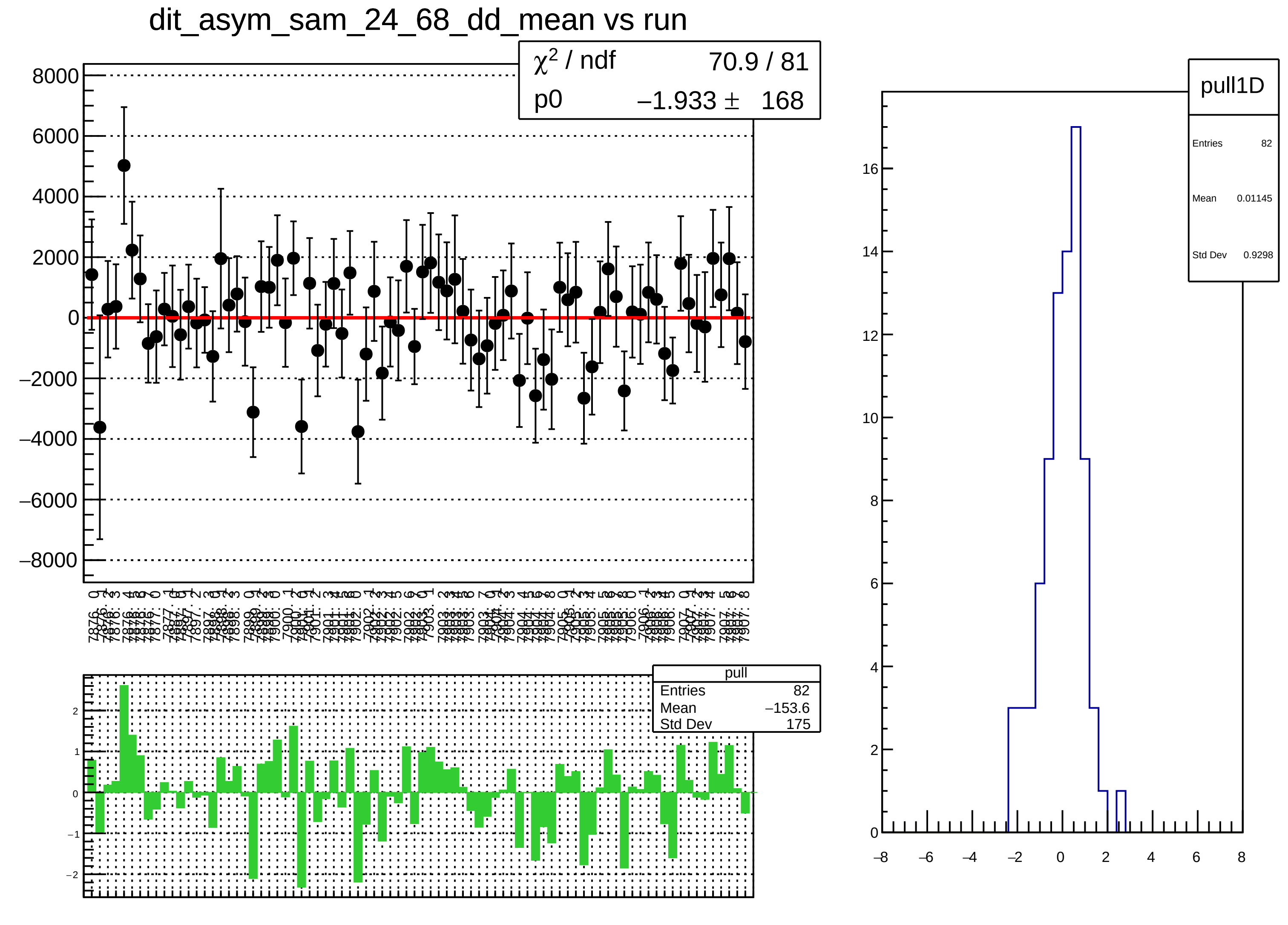
asym_sam_15_37_dd_correction_rms vs run



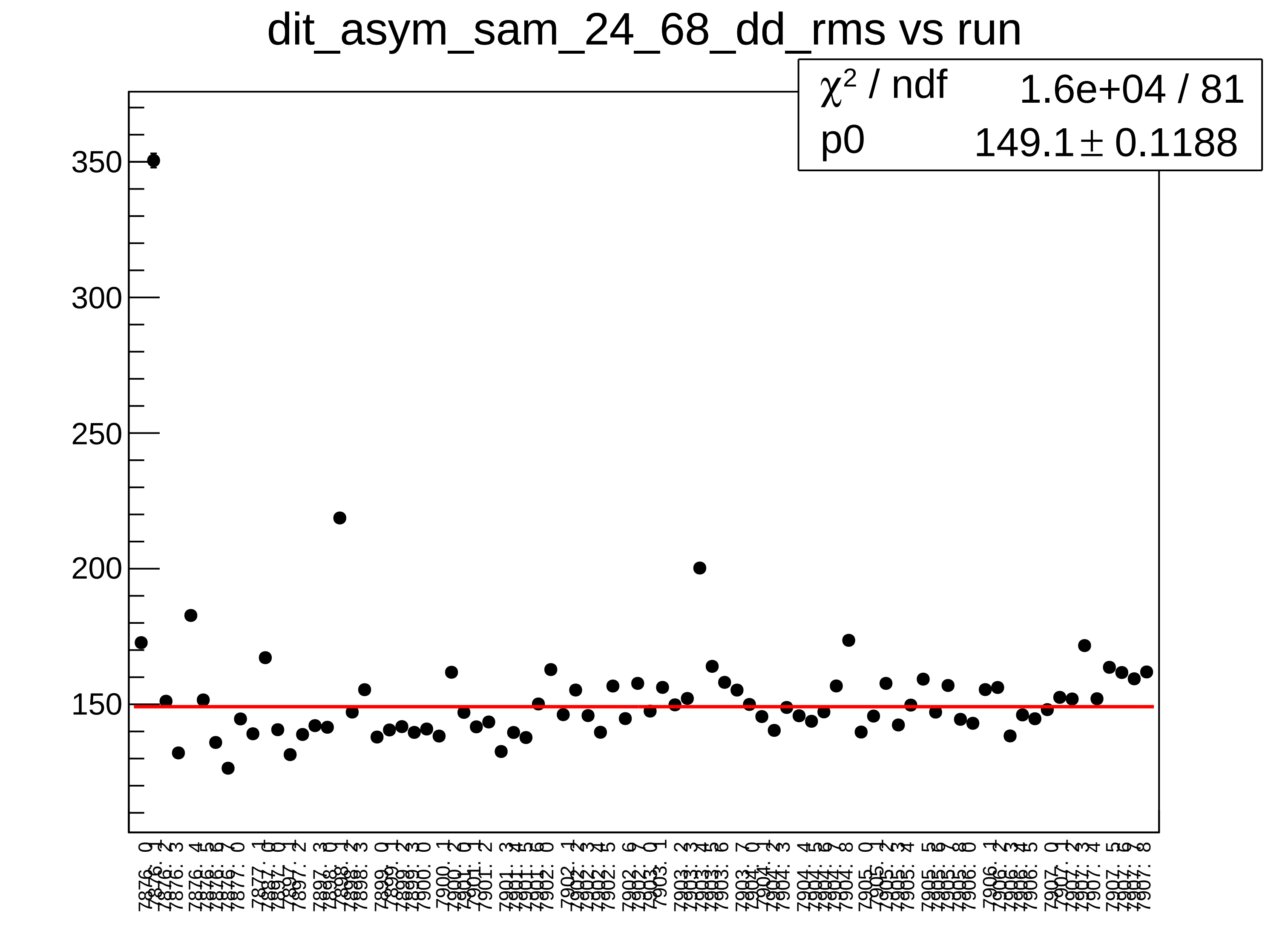
asym_sam_15_37_dd_mean vs run



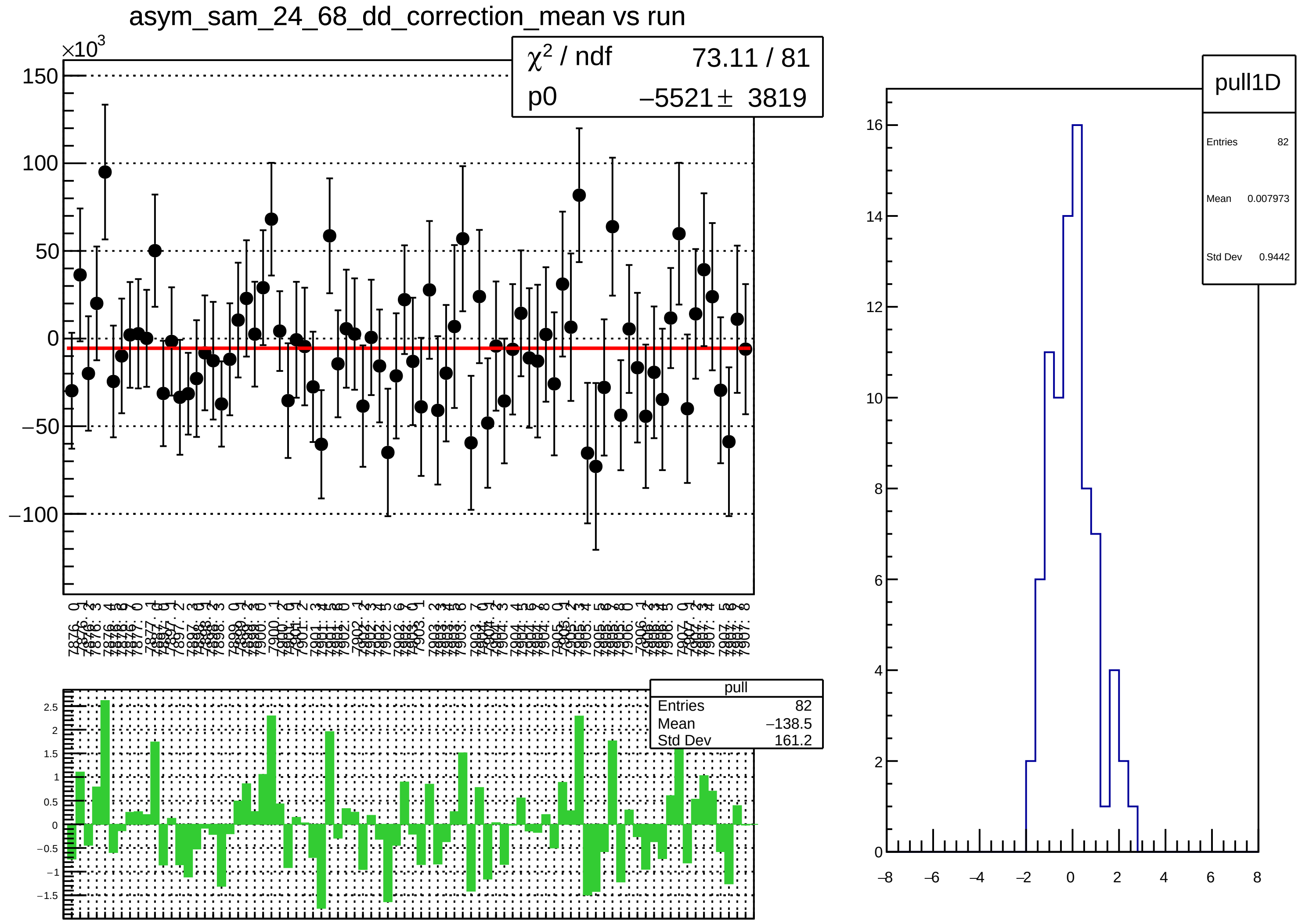

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.944e+04 / 81
p0 1258 ± 1.003
1700
1600
1500
1400
1300
1200
1100
1000



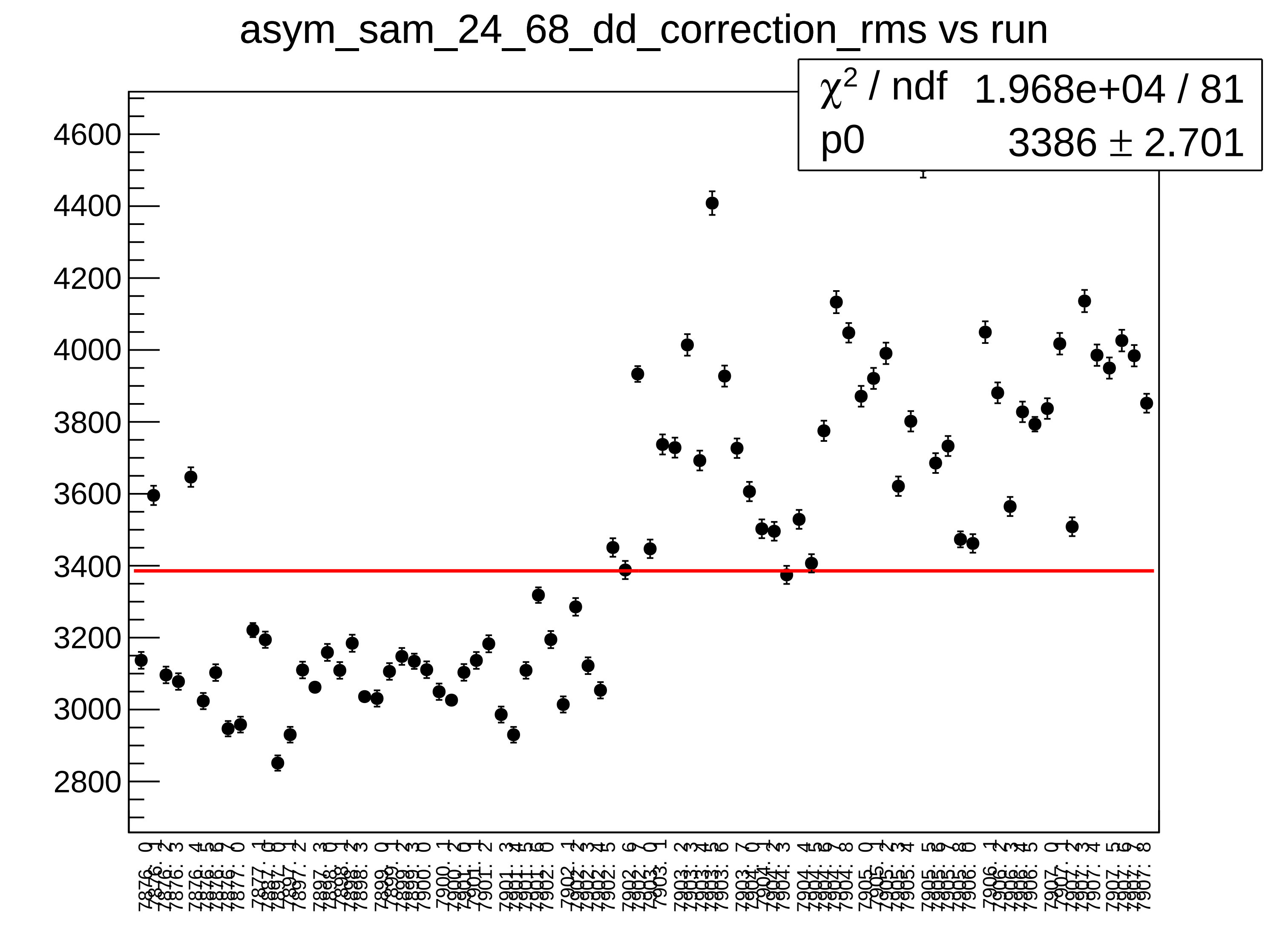
dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 70.9 / 81
p0 −1.933 ± 168
pull
Entries 82
Mean −153.6
Std Dev 175
pull1D
Entries 82
Mean 0.01145
Std Dev 0.9298



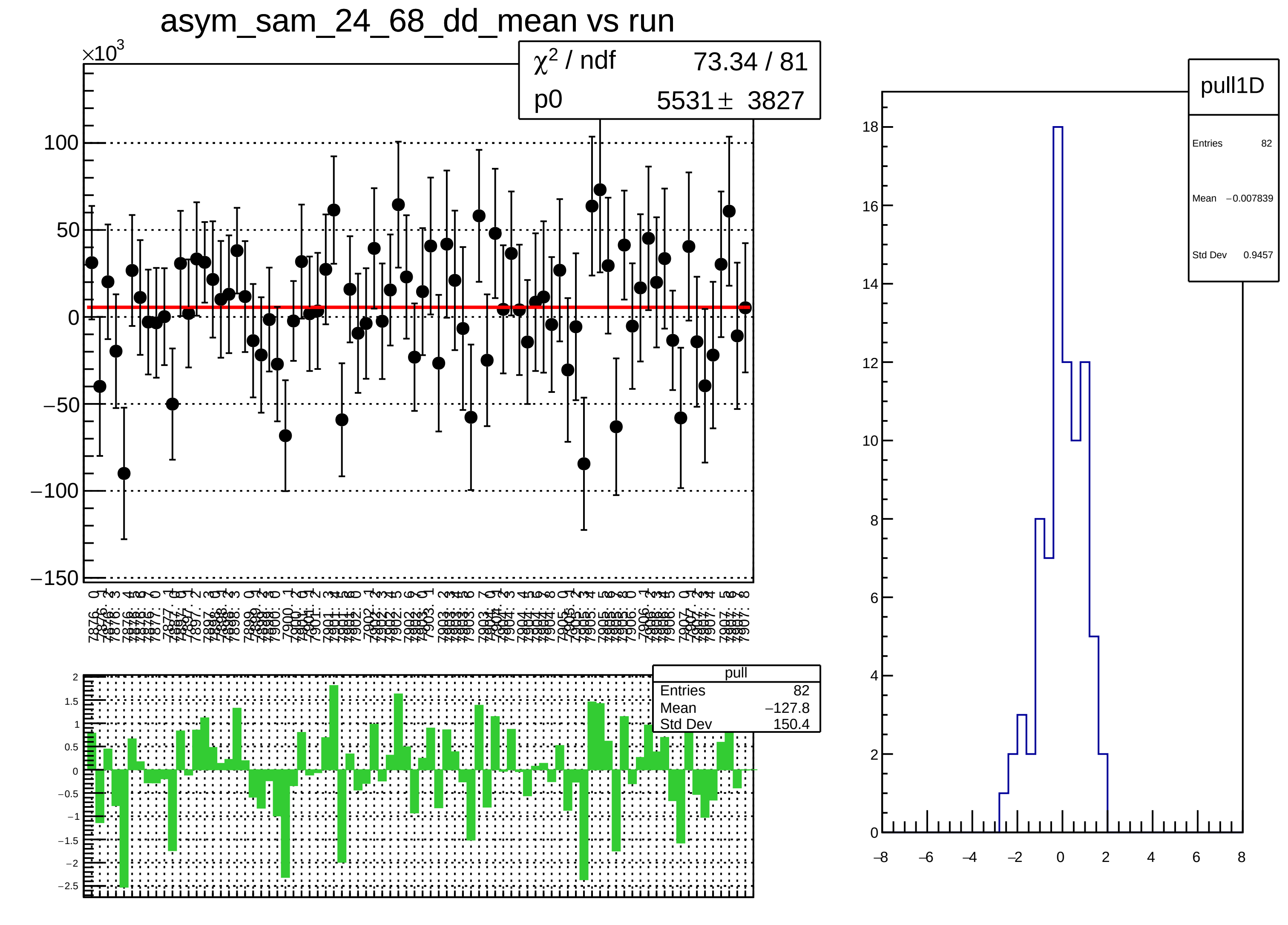
dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.6e+04 / 81
p0 149.1 ± 0.1188
350
300
250
200
150



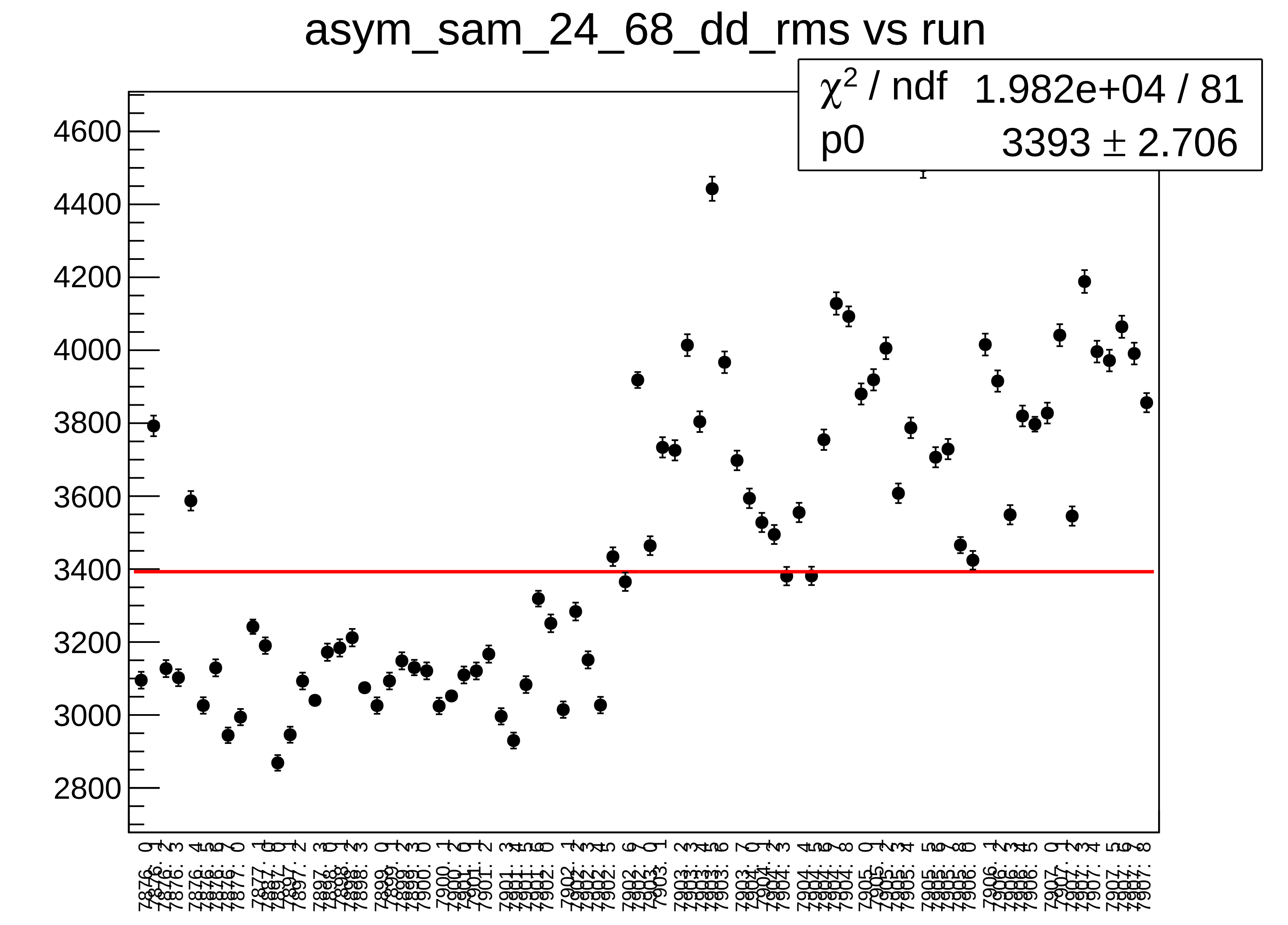
asym_sam_24_68_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 73.11 / 81
p0 −5521 ± 3819
pull
Entries 82
Mean −138.5
Std Dev 161.2
pull1D
Entries 82
Mean 0.007973
Std Dev 0.9442



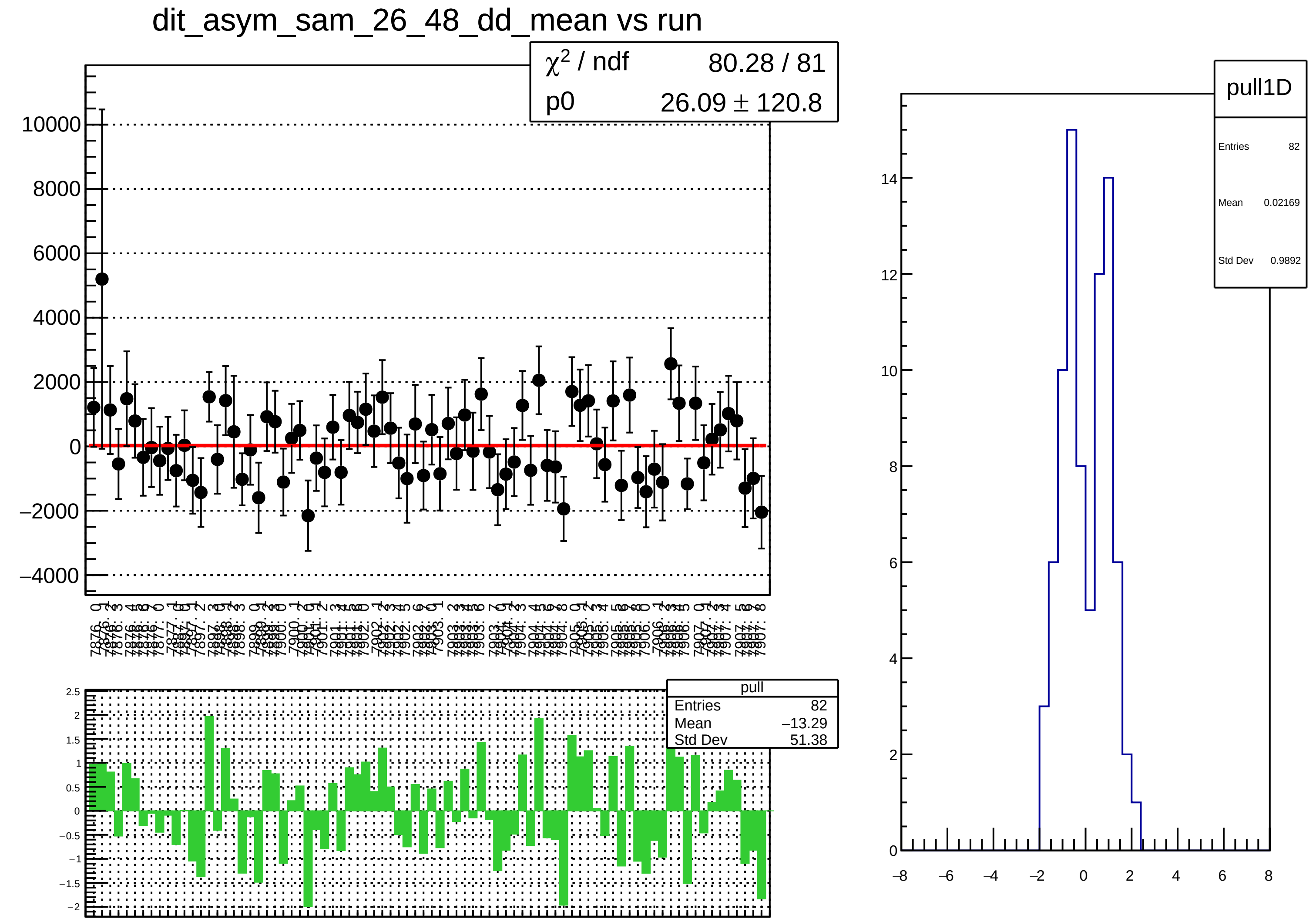
asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 1.968e+04 / 81
p0 3386 ± 2.701



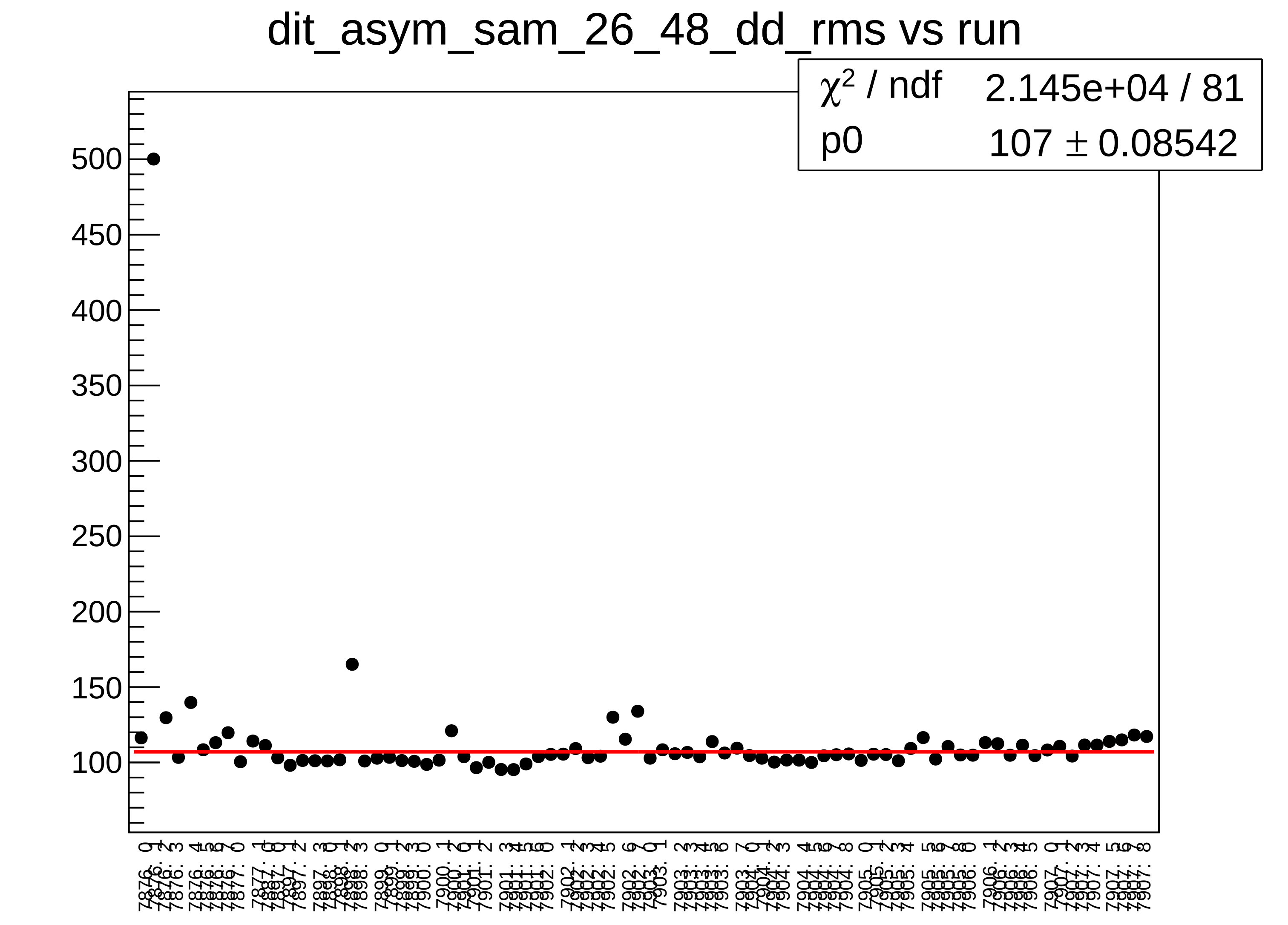
asym_sam_24_68_dd_mean vs run
$\times 10^3$
χ^2 / ndf 73.34 / 81
p0 5531 ± 3827
pull
Entries 82
Mean −127.8
Std Dev 150.4
pull1D
Entries 82
Mean −0.007839
Std Dev 0.9457



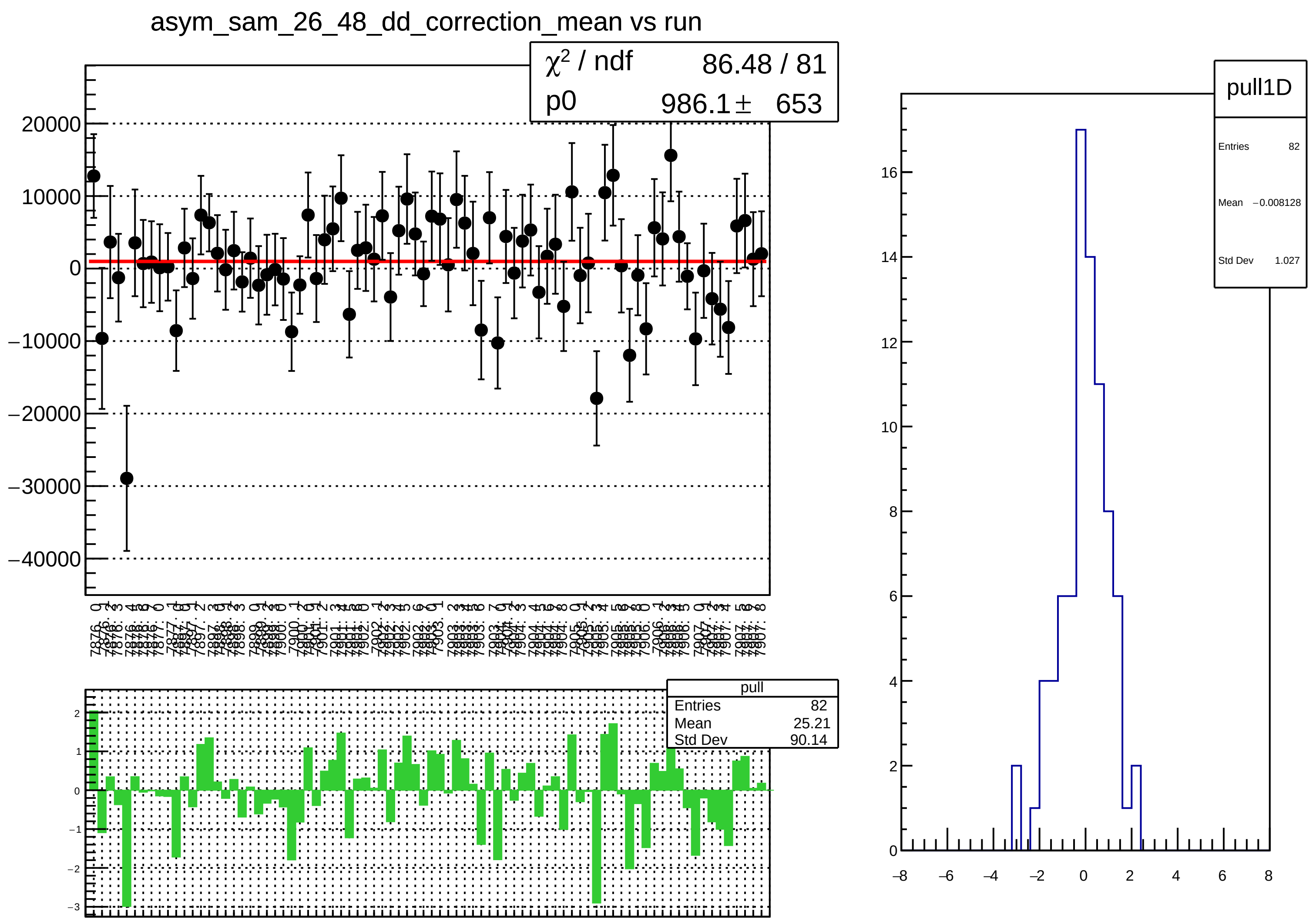
asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.982e+04 / 81
p0 3393 ± 2.706
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800



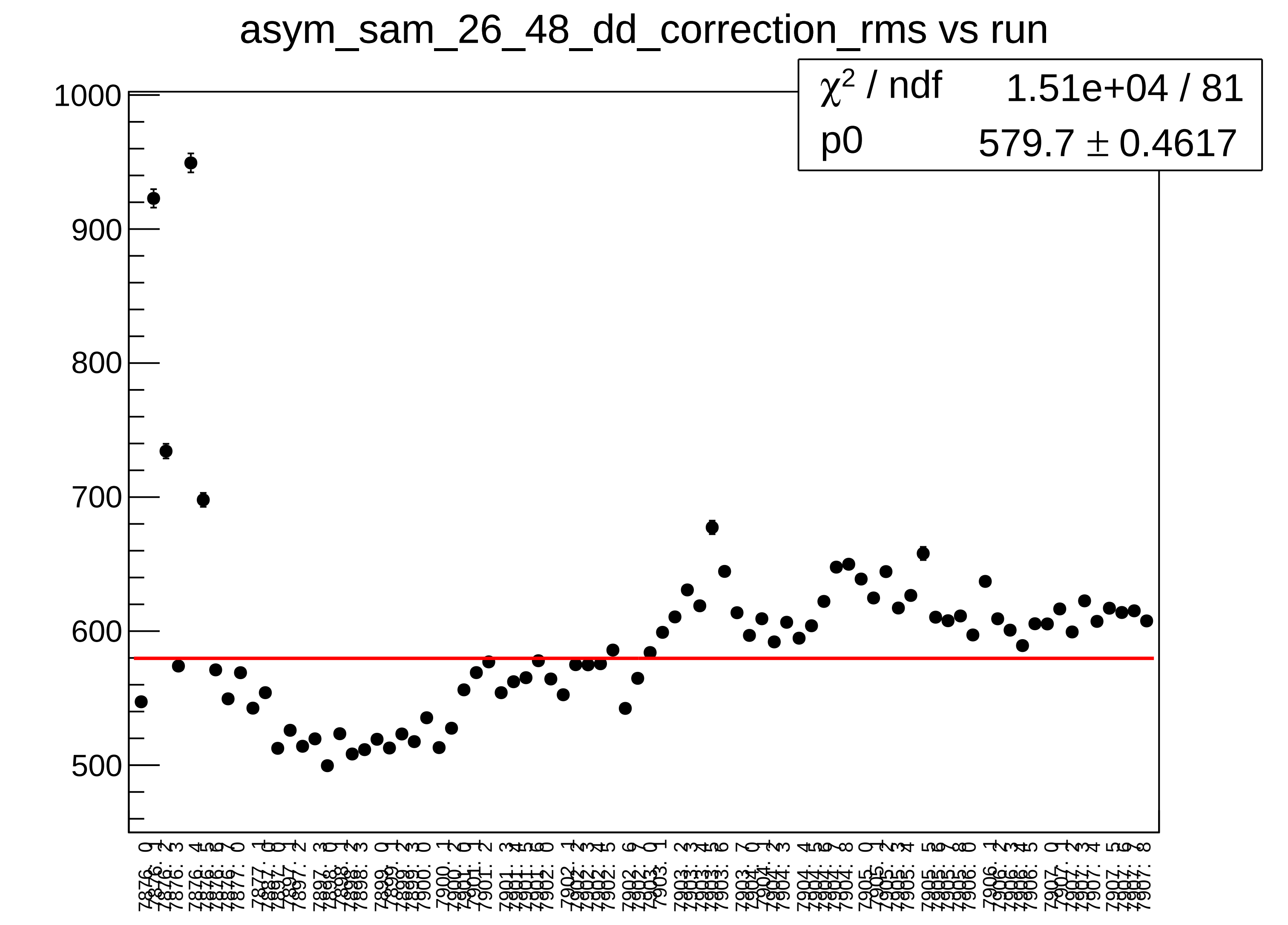
dit_asym_sam_26_48_dd_mean vs run
χ2 / ndf 80.28 / 81
p0 26.09 ± 120.8
pull
Entries 82
Mean −13.29
Std Dev 51.38
pull1D
Entries 82
Mean 0.02169
Std Dev 0.9892

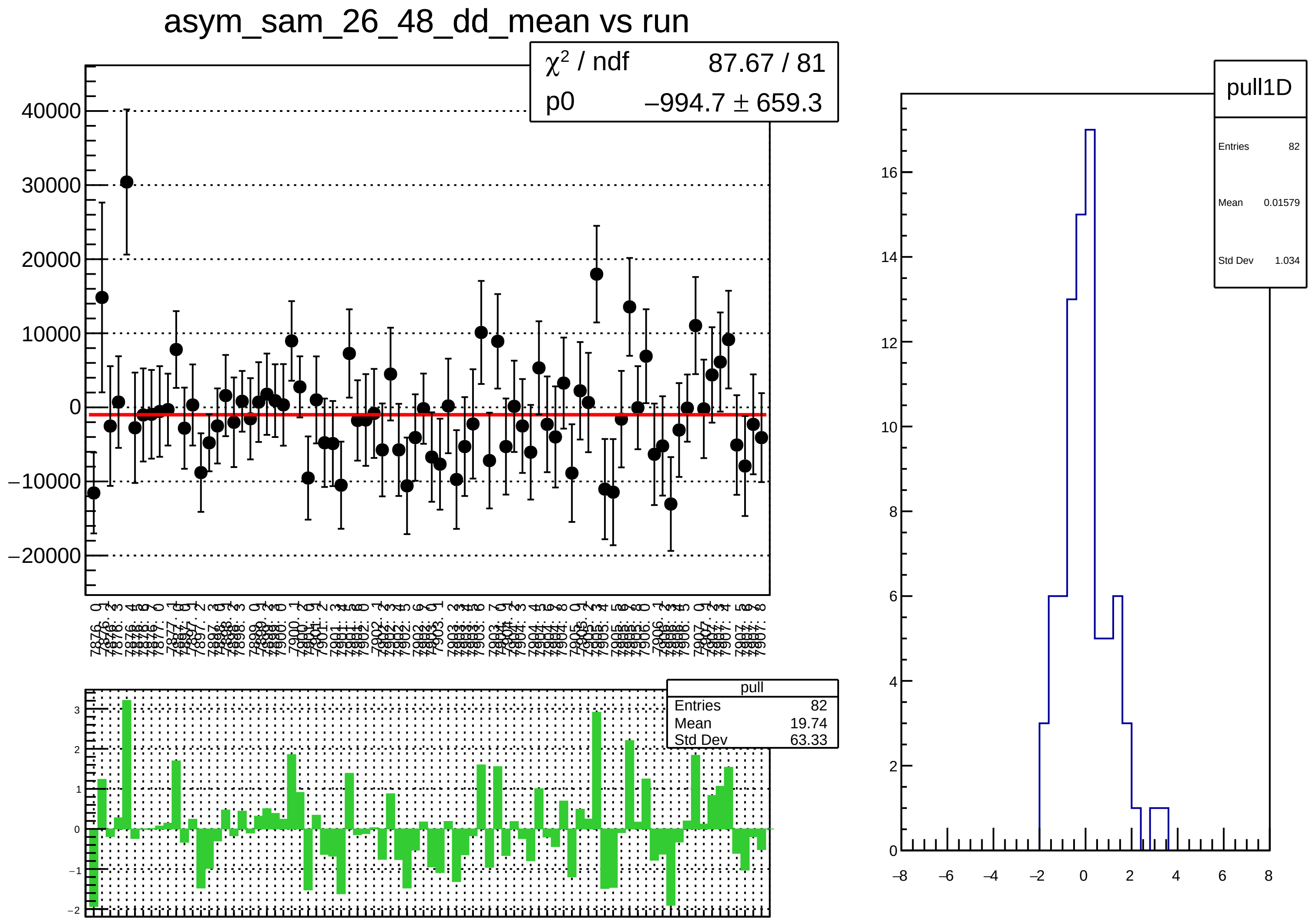


dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.145e+04 / 81
p0 107 ± 0.08542
500
450
400
350
300
250
200
150
100

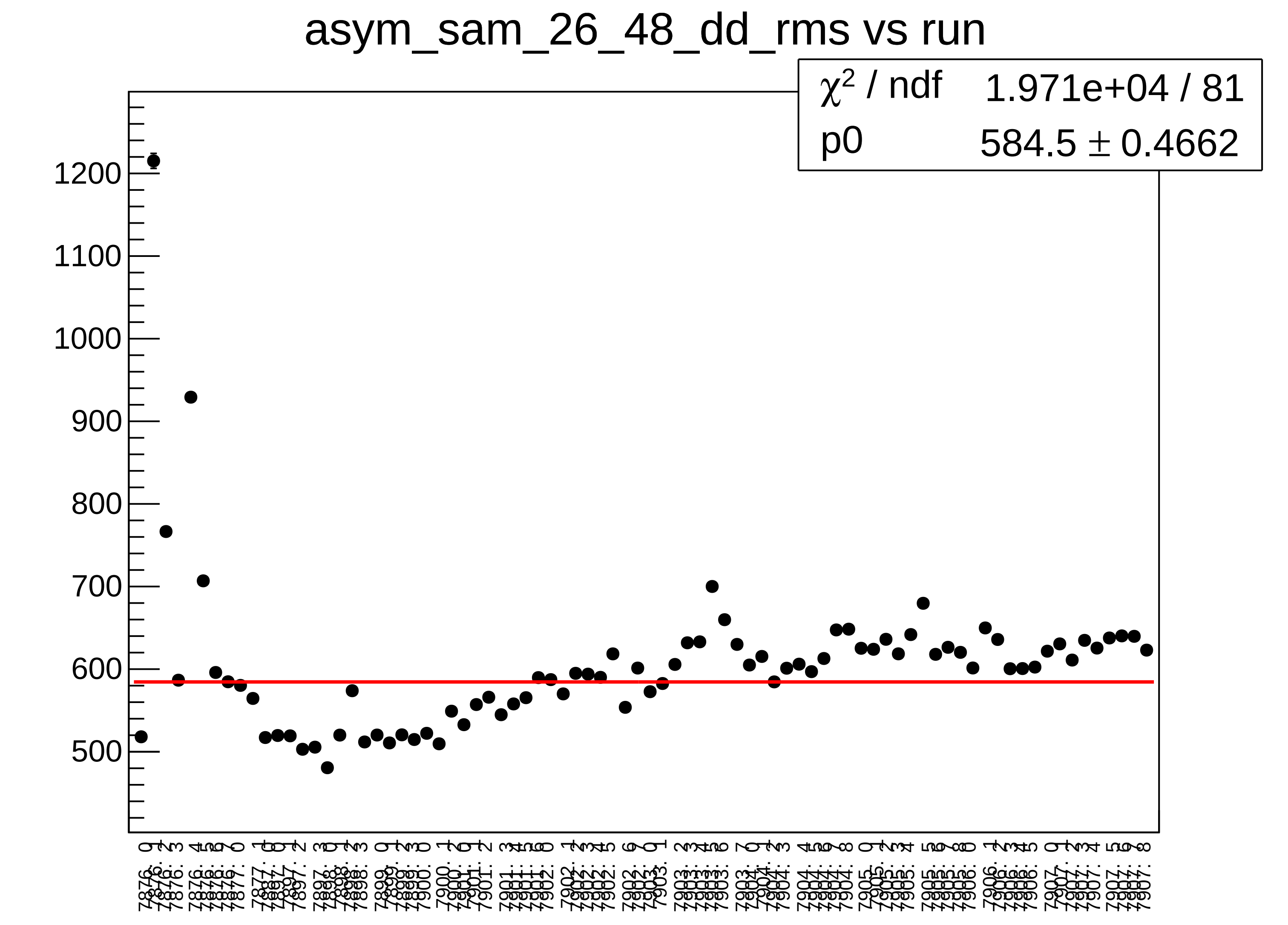


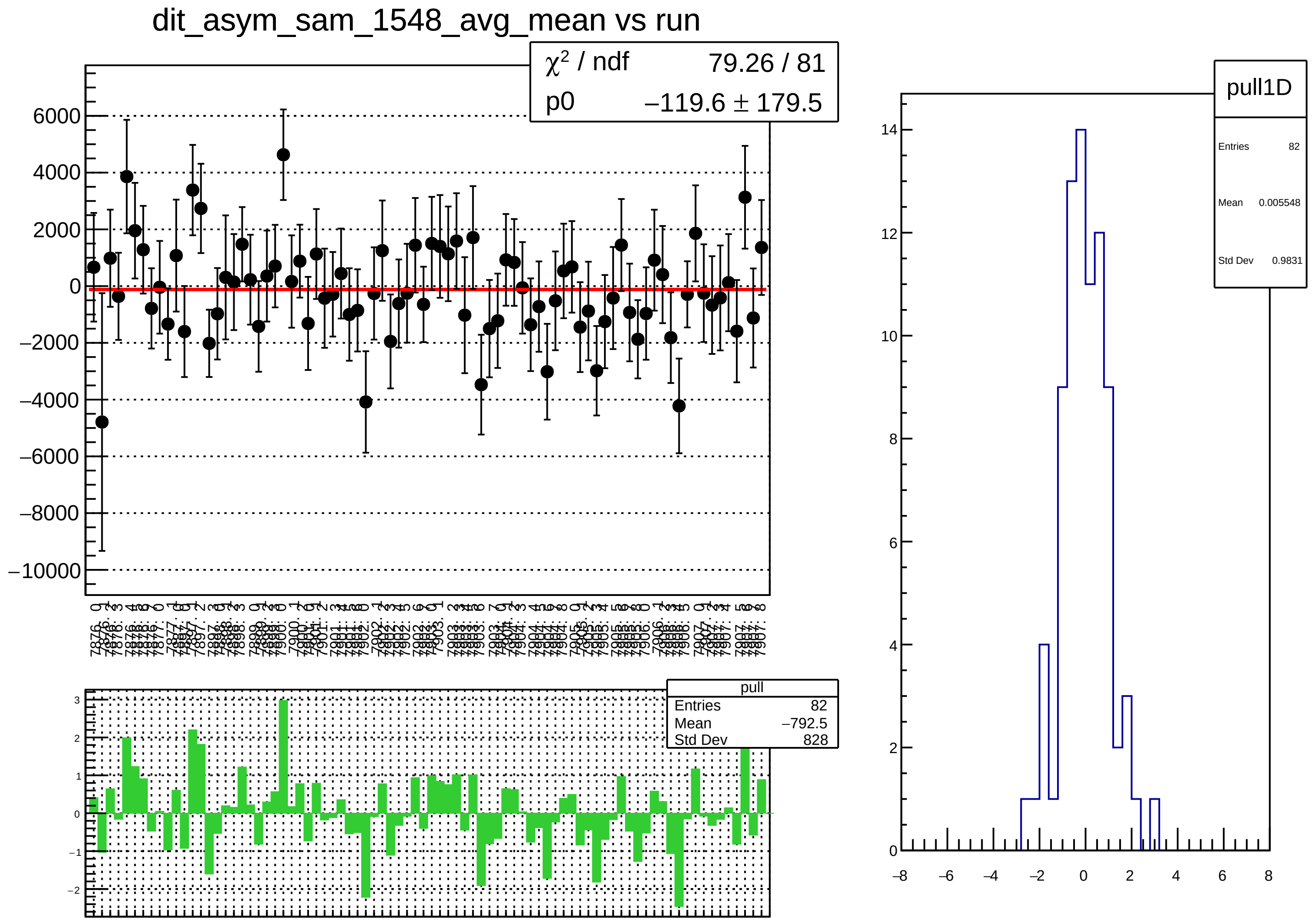
asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 86.48 / 81
p0 986.1 ± 653
pull
Entries 82
Mean 25.21
Std Dev 90.14
pull1D
Entries 82
Mean −0.008128
Std Dev 1.027


asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 1.51e+04 / 81
p0 579.7 ± 0.4617
1000
900
800
700
600
500

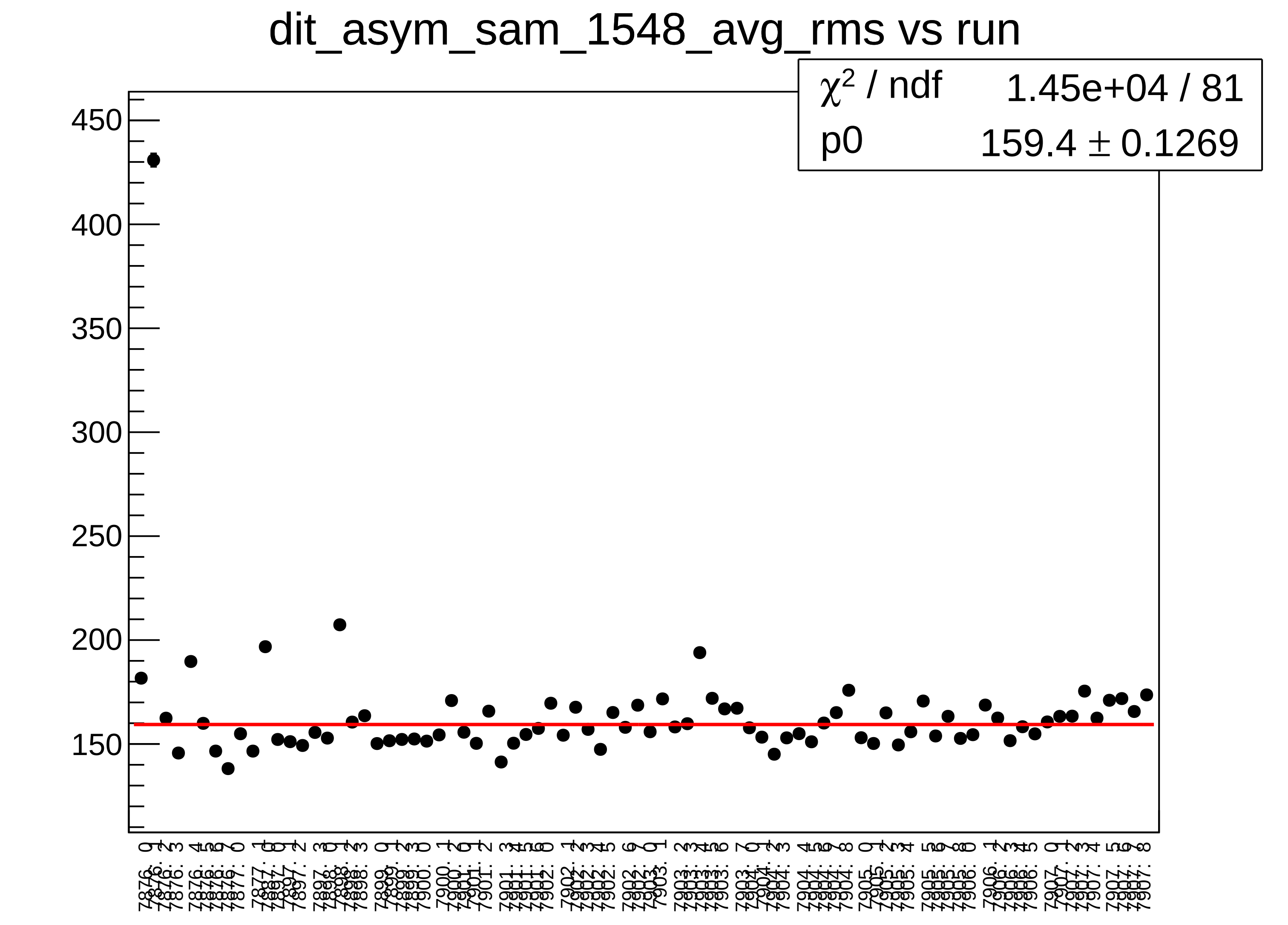


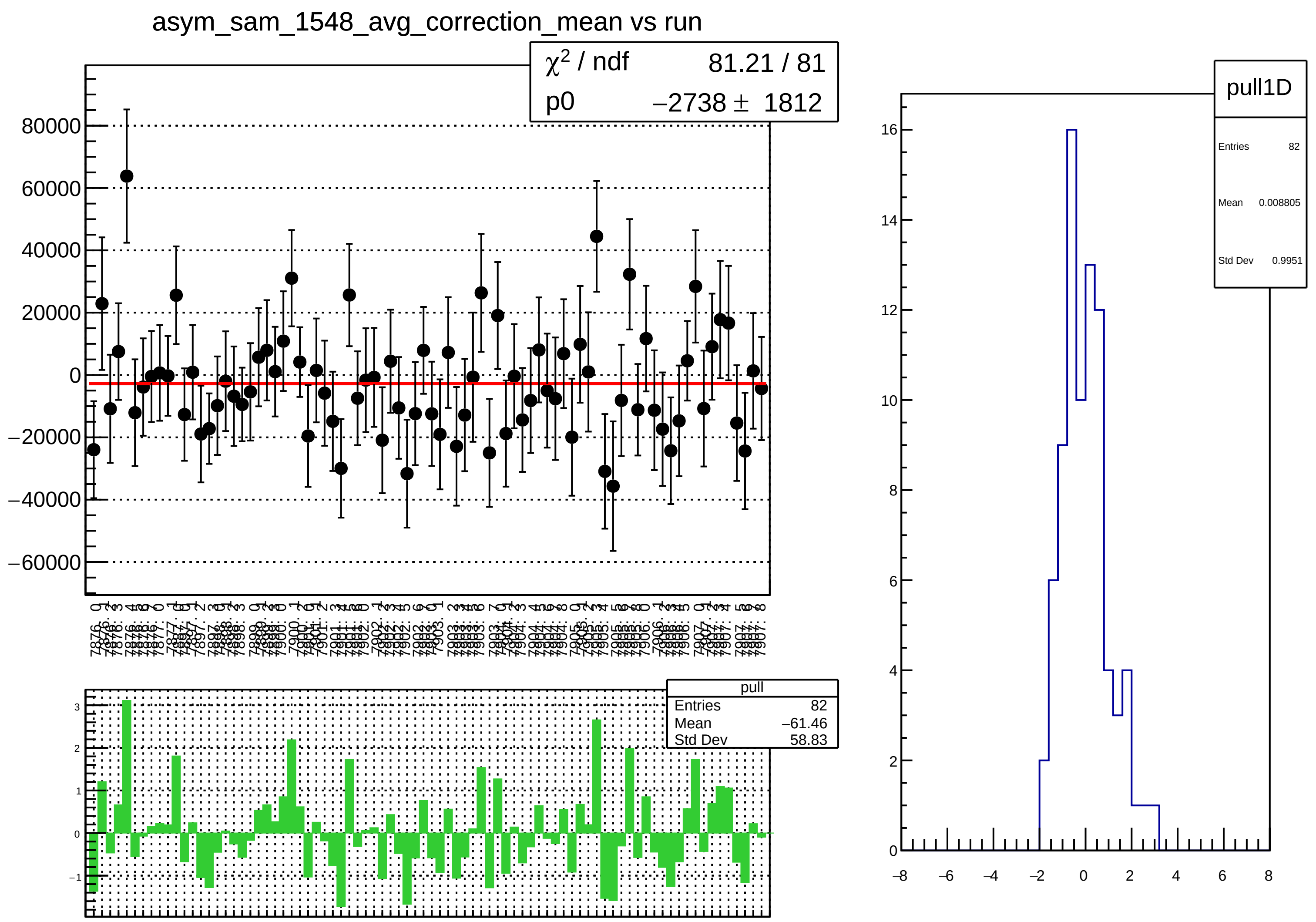
asym_sam_26_48_dd_mean vs run
χ^2 / ndf 87.67 / 81
p0 −994.7 ± 659.3
pull
Entries 82
Mean 19.74
Std Dev 63.33
pull1D
Entries 82
Mean 0.01579
Std Dev 1.034


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

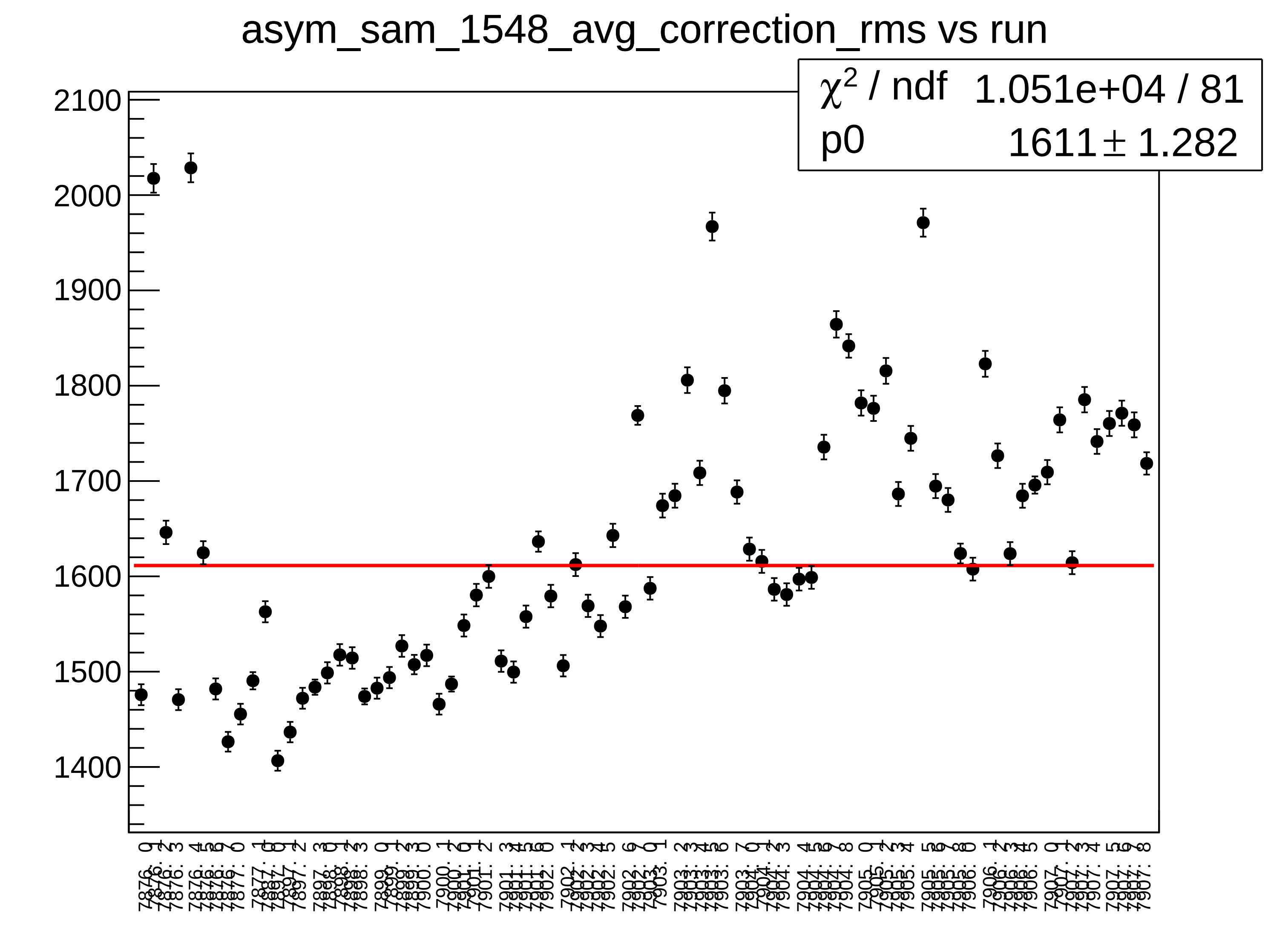


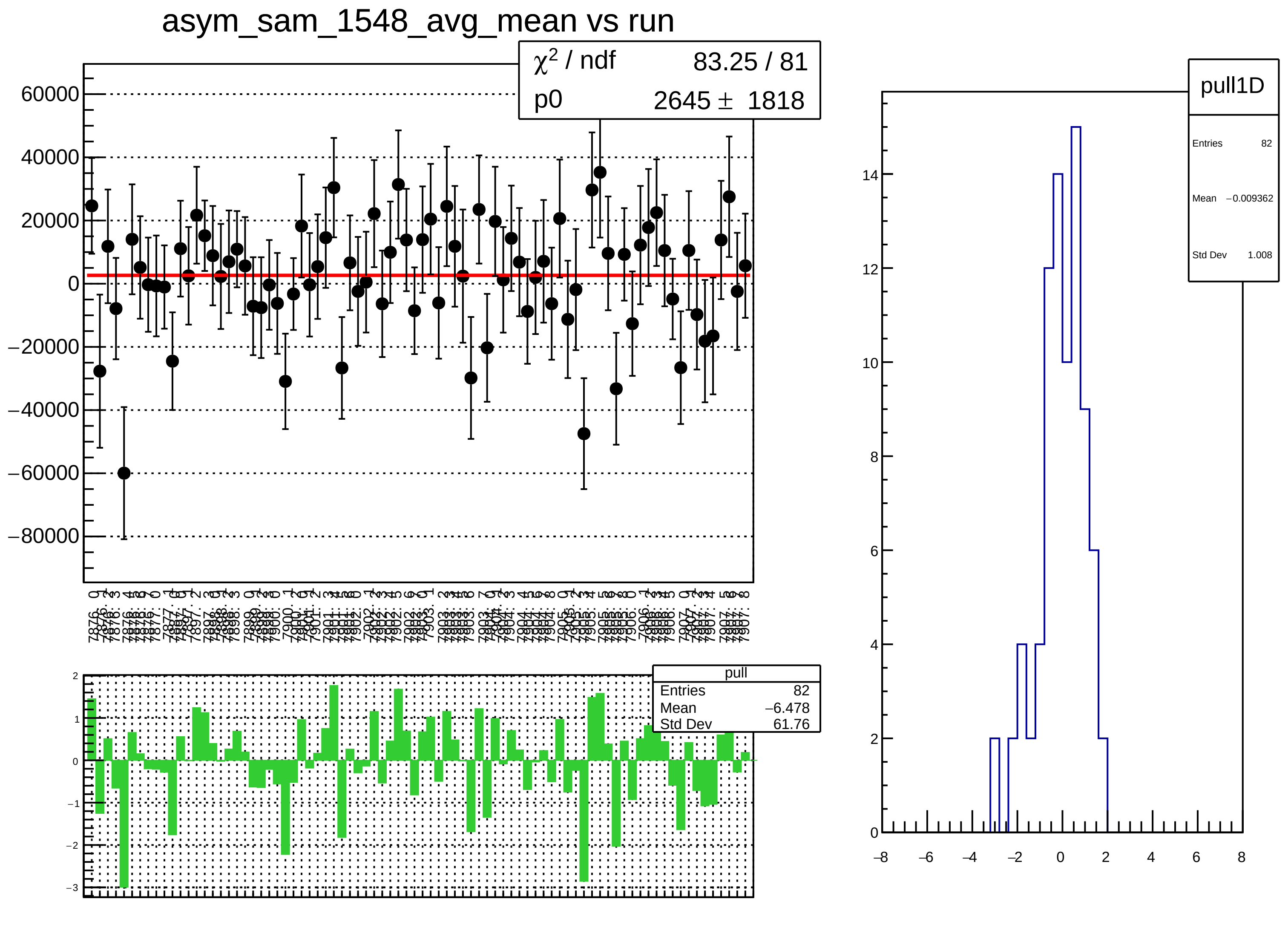
dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 79.26 / 81
p0 −119.6 ± 179.5
pull
Entries 82
Mean −792.5
Std Dev 828
pull1D
Entries 82
Mean 0.005548
Std Dev 0.9831

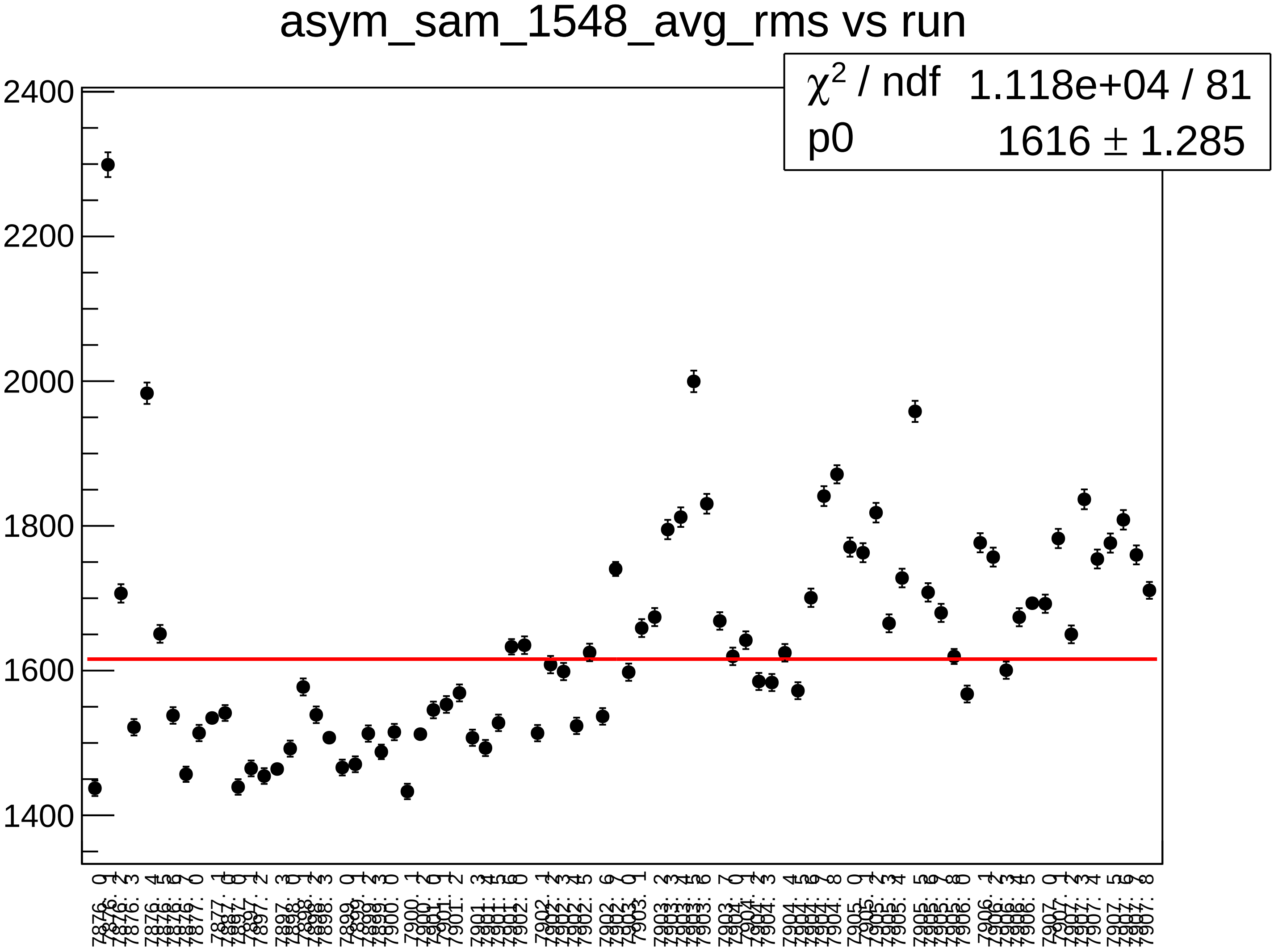

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.45e+04 / 81
p0 159.4 ± 0.1269
450
400
350
300
250
200
150



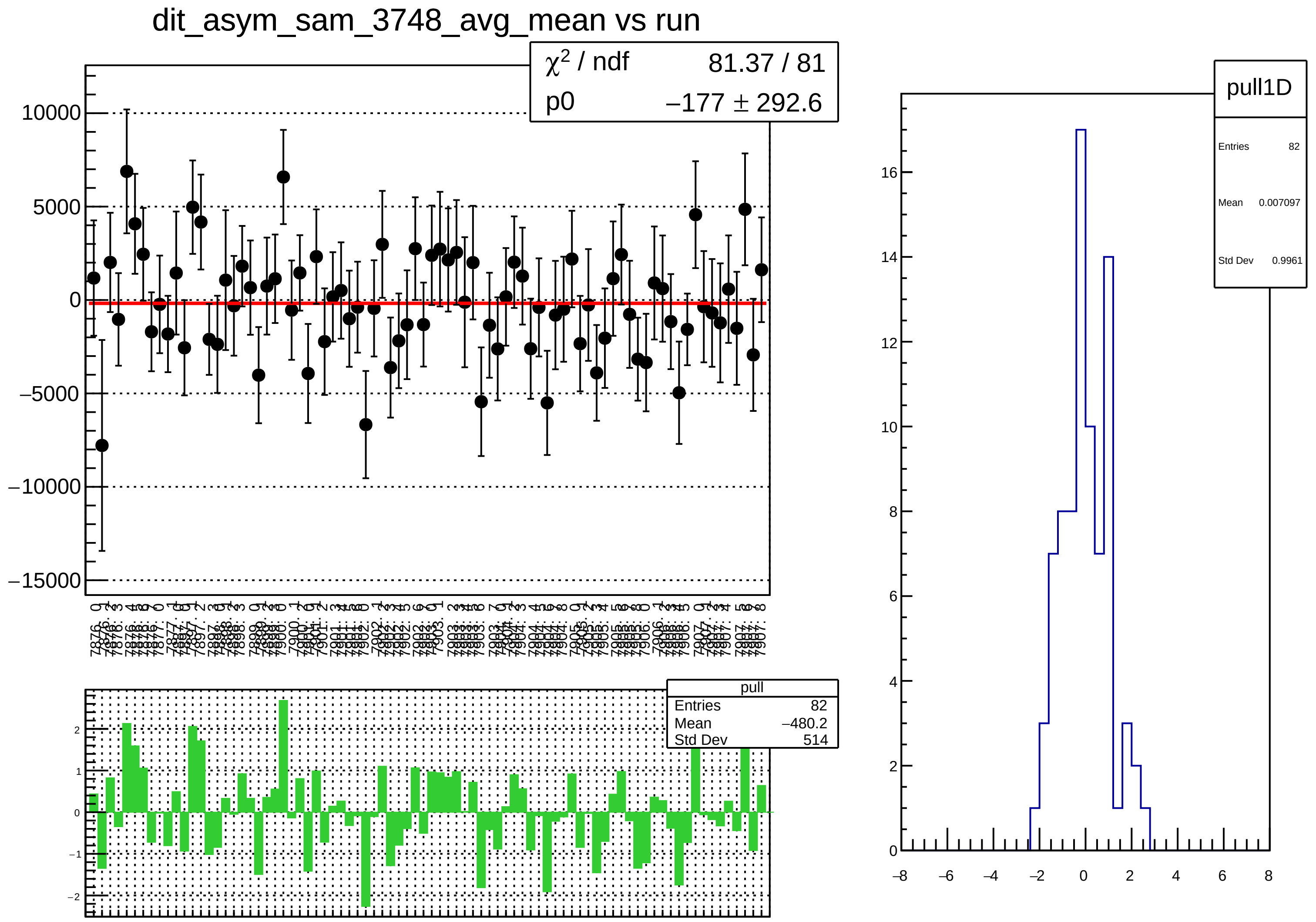
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 81.21 / 81
p0 −2738 ± 1812
pull
Entries 82
Mean −61.46
Std Dev 58.83
pull1D
Entries 82
Mean 0.008805
Std Dev 0.9951

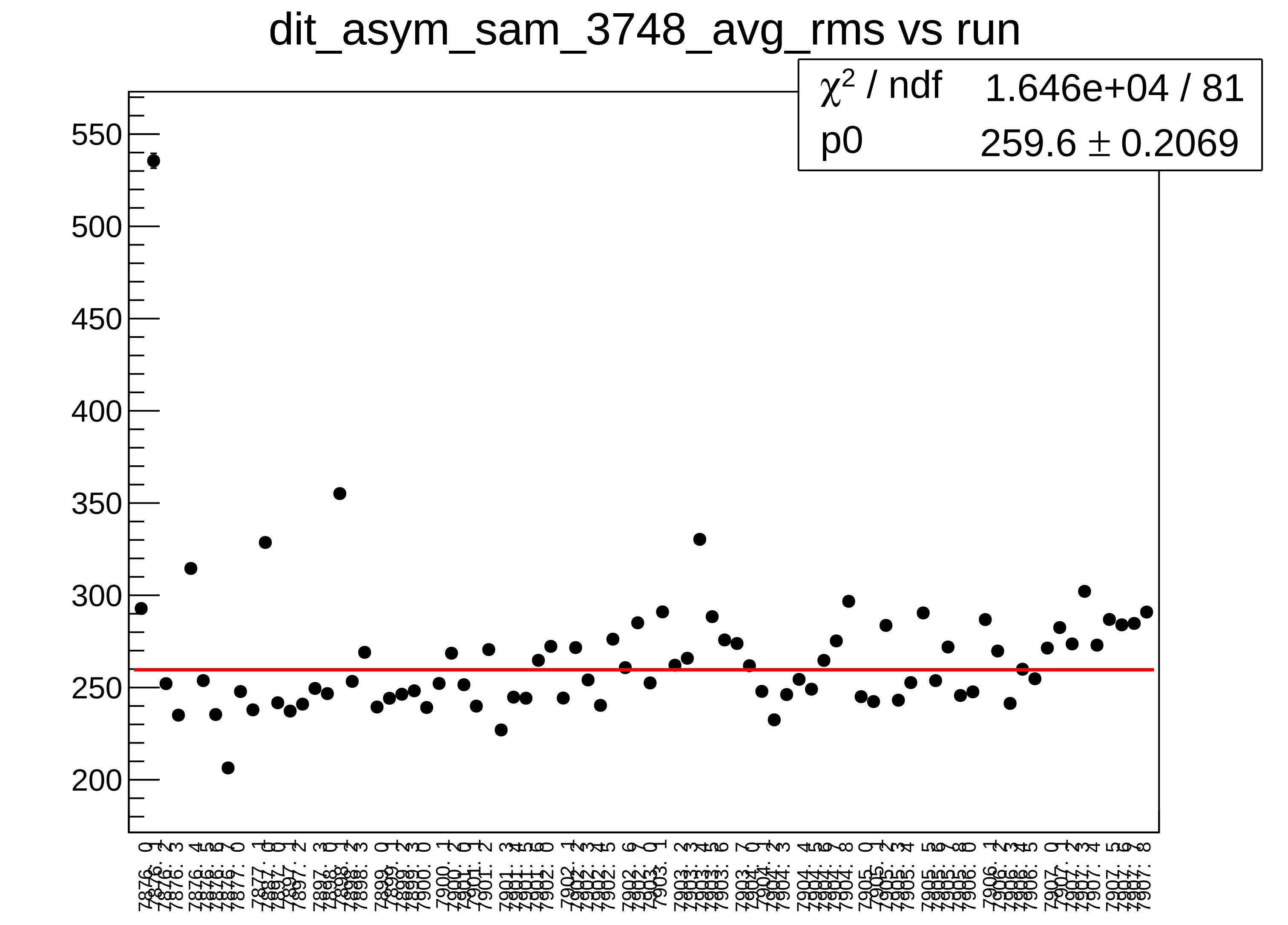

asym_sam_1548_avg_correction_rms vs run
χ2 / ndf 1.051e+04 / 81
p0 1611 ± 1.282
2100
2000
1900
1800
1700
1600
1500
1400

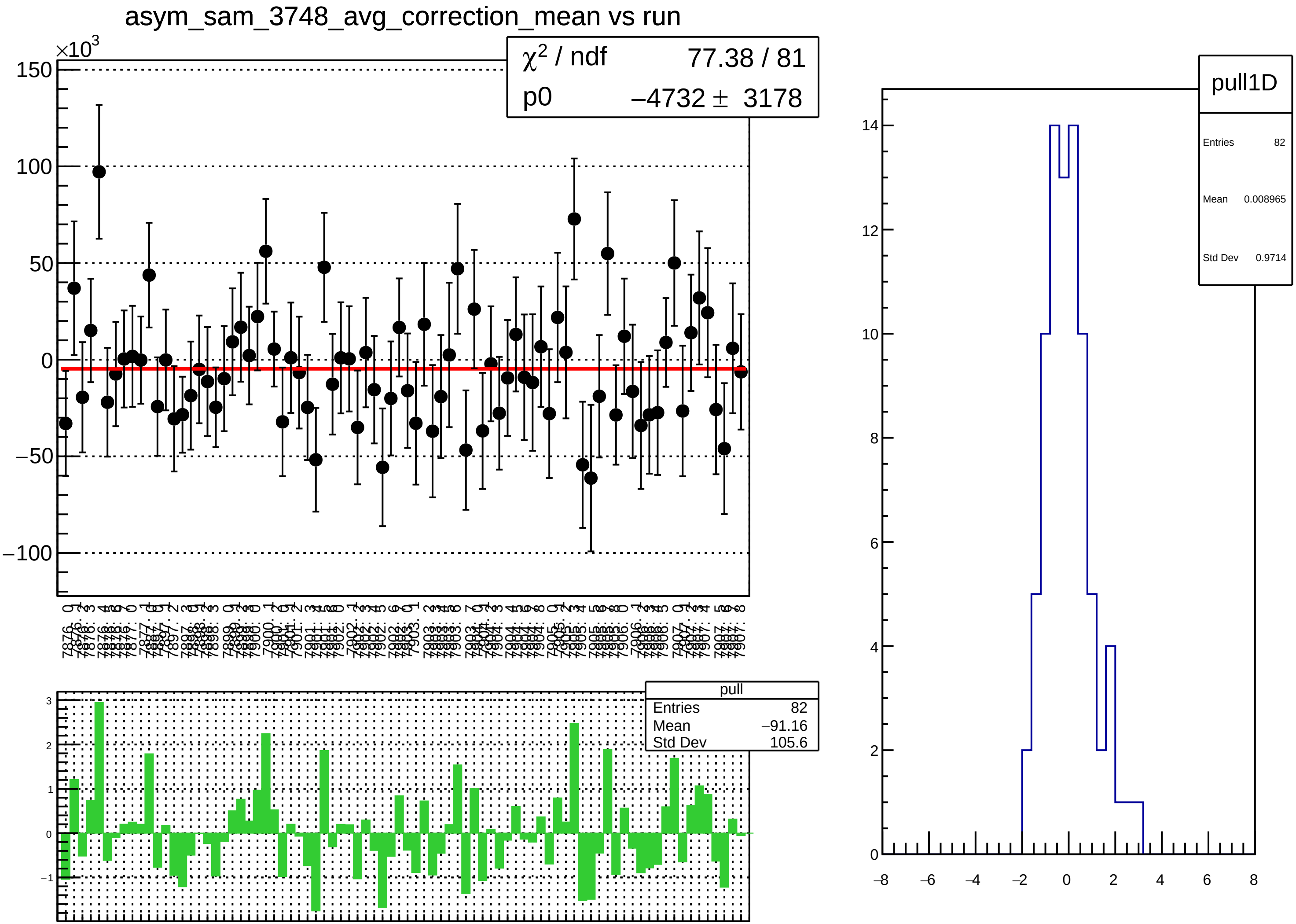

asym_sam_1548_avg_mean vs run
χ^2 / ndf 83.25 / 81
p0 2645 ± 1818
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −6.478
Std Dev 61.76
pull1D
Entries 82
Mean −0.009362
Std Dev 1.008



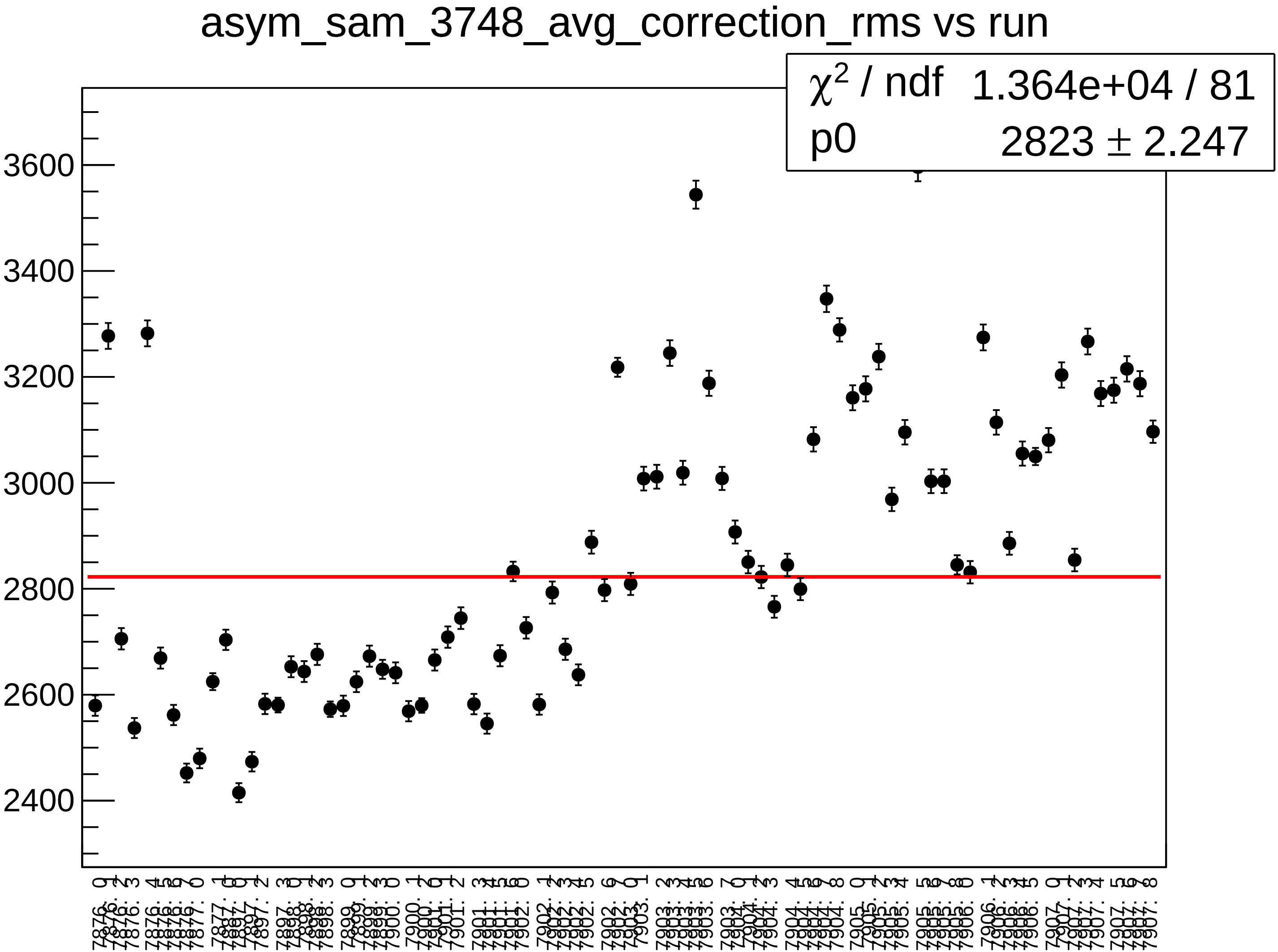
asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.118e+04 / 81
p0 1616 ± 1.285
2400
2200
2000
1800
1600
1400

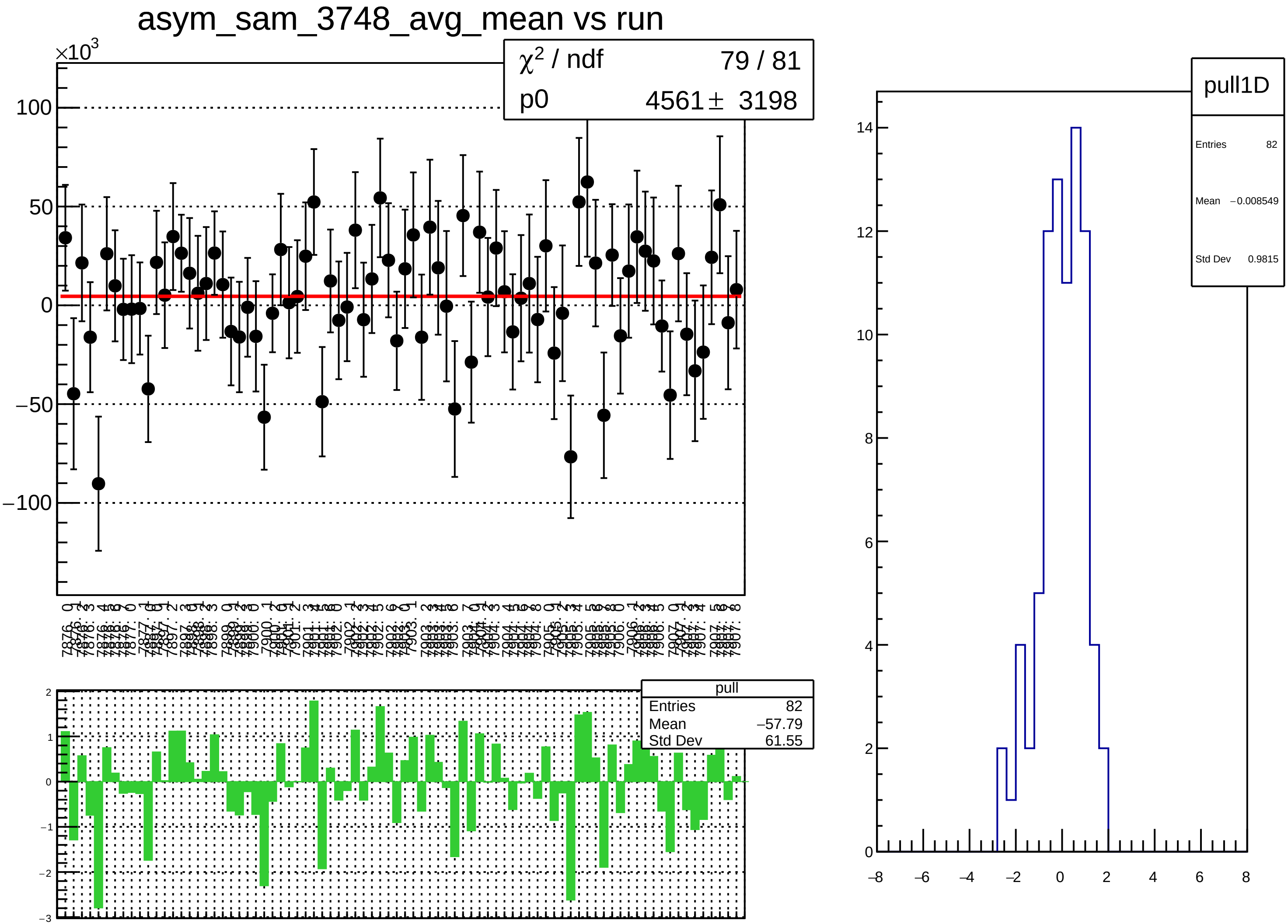

dit_asym_sam_3748_avg_mean vs run
χ2 / ndf 81.37 / 81
p0 −177 ± 292.6
pull
Entries 82
Mean −480.2
Std Dev 514
pull1D
Entries 82
Mean 0.007097
Std Dev 0.9961


dit_asym_sam_3748_avg_rms vs run
χ2 / ndf 1.646e+04 / 81
p0 259.6 ± 0.2069
550
500
450
400
350
300
250
200

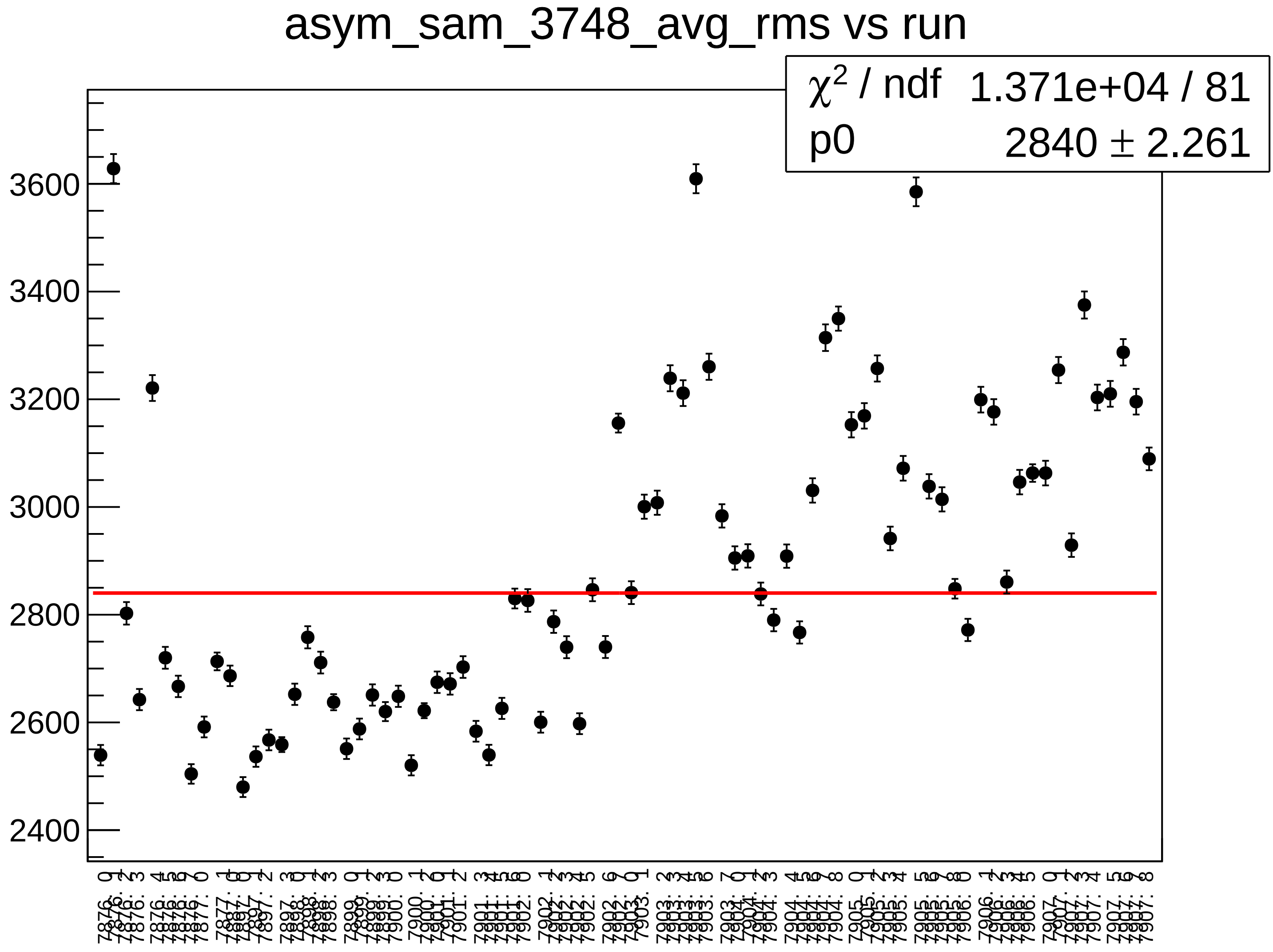


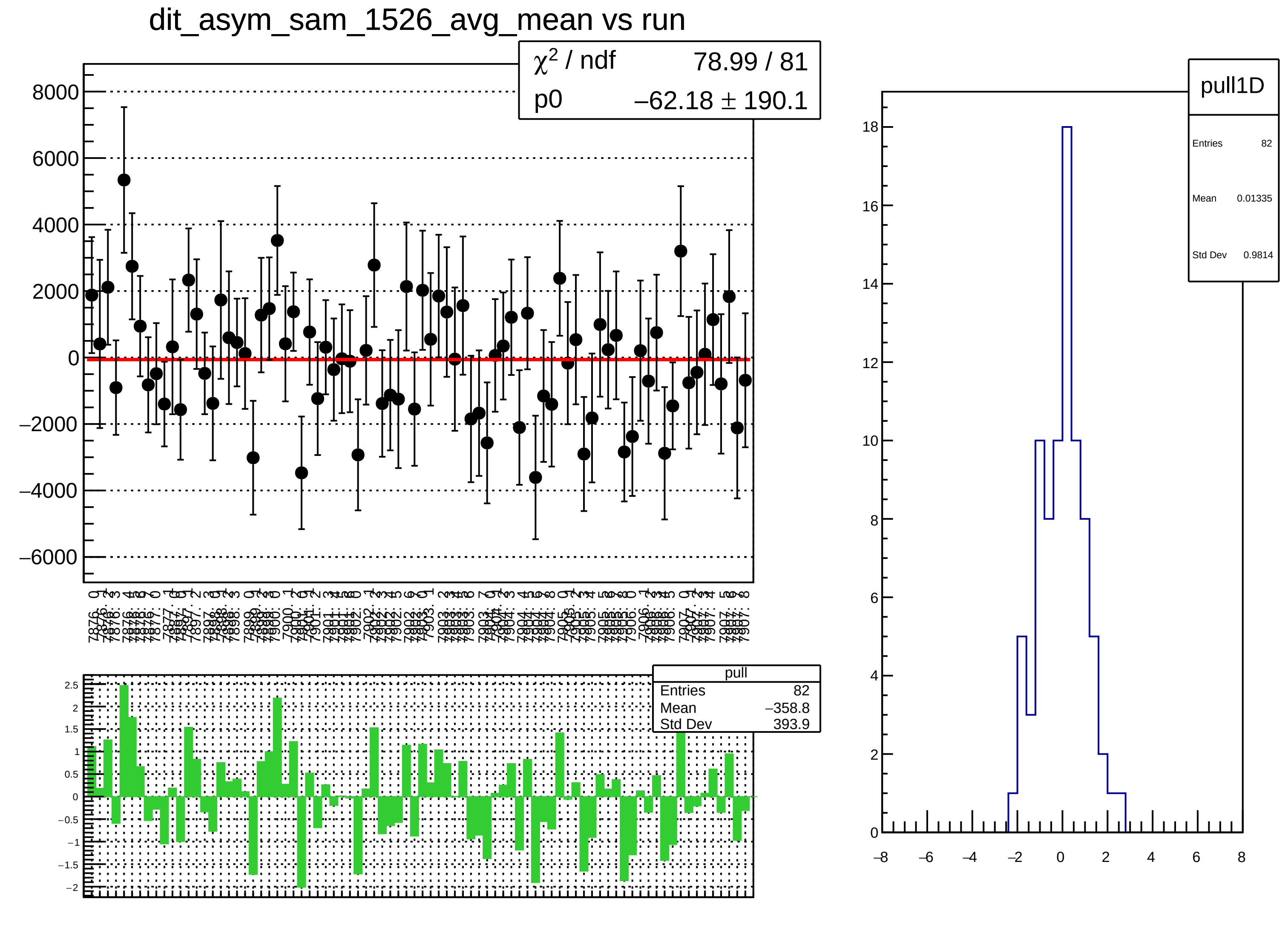
asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 77.38 / 81
p0 −4732 ± 3178
pull
Entries 82
Mean −91.16
Std Dev 105.6
pull1D
Entries 82
Mean 0.008965
Std Dev 0.9714


asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 1.364e+04 / 81
p0 2823 ± 2.247
3600
3400
3200
3000
2800
2600
2400

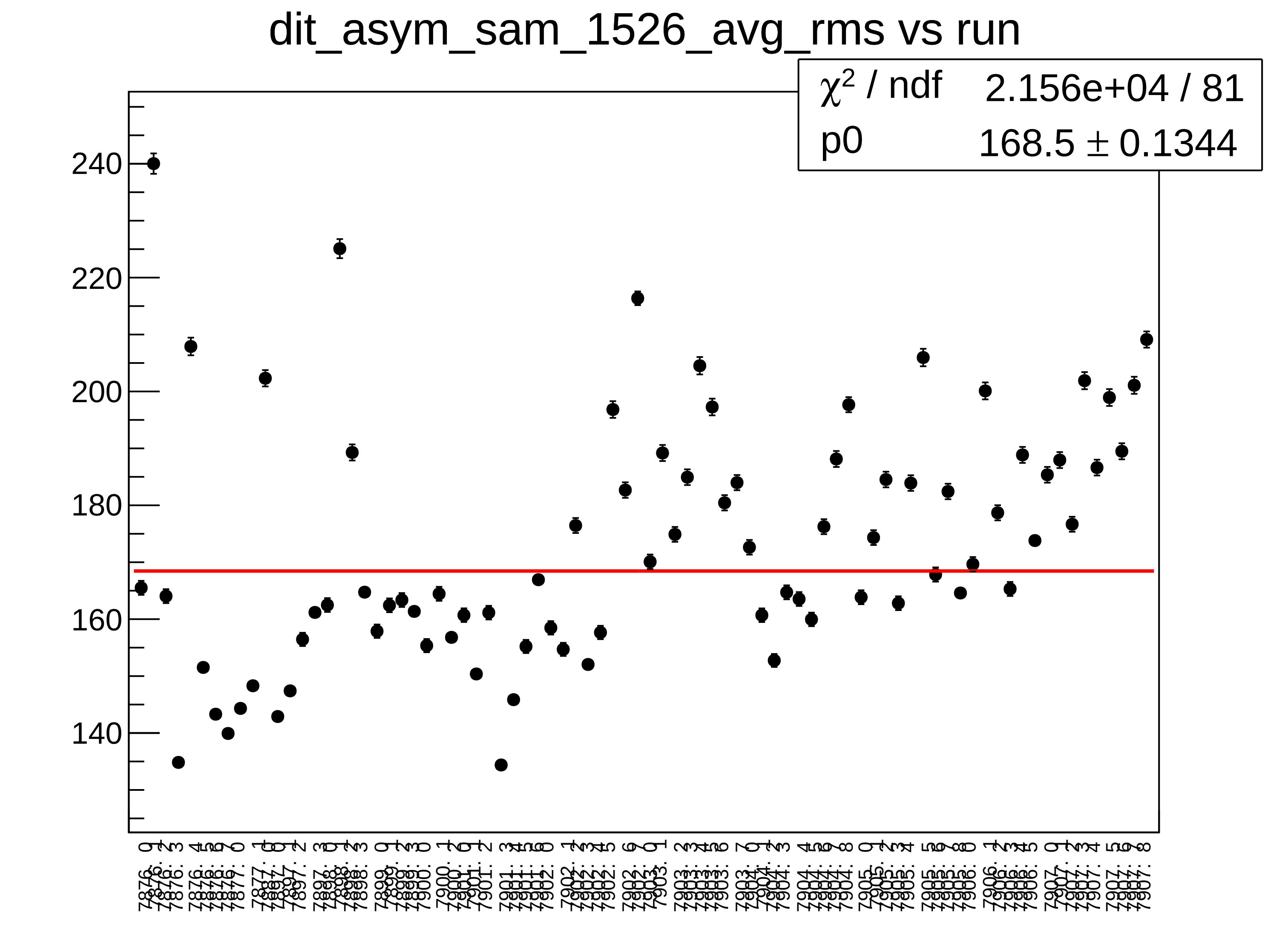


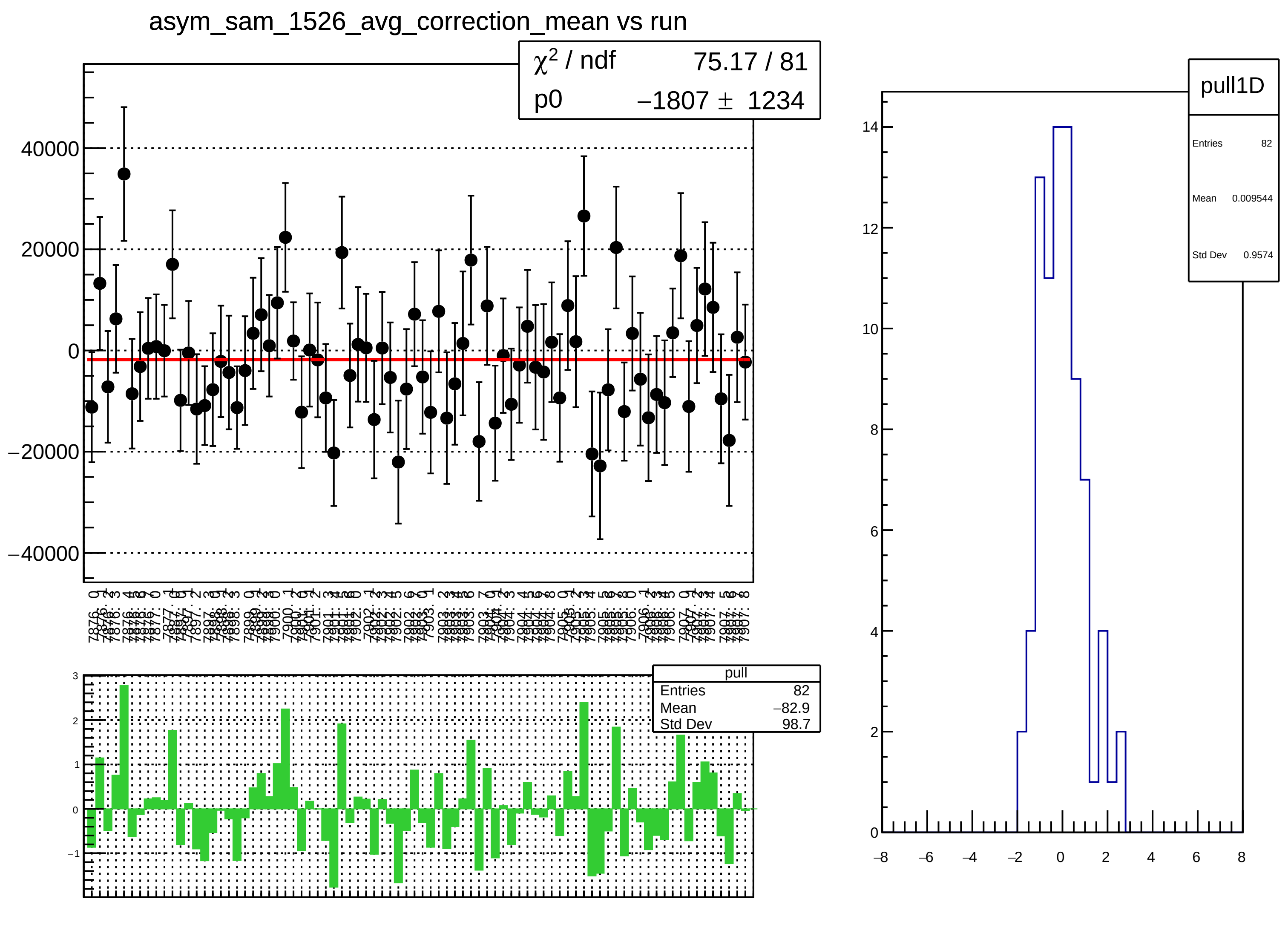
asym_sam_3748_avg_mean vs run
$\times 10^3$
χ^2 / ndf 79 / 81
p0 4561 ± 3198
100
50
0
−50
−100
pull
Entries 82
Mean −57.79
Std Dev 61.55
pull1D
Entries 82
Mean −0.008549
Std Dev 0.9815


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

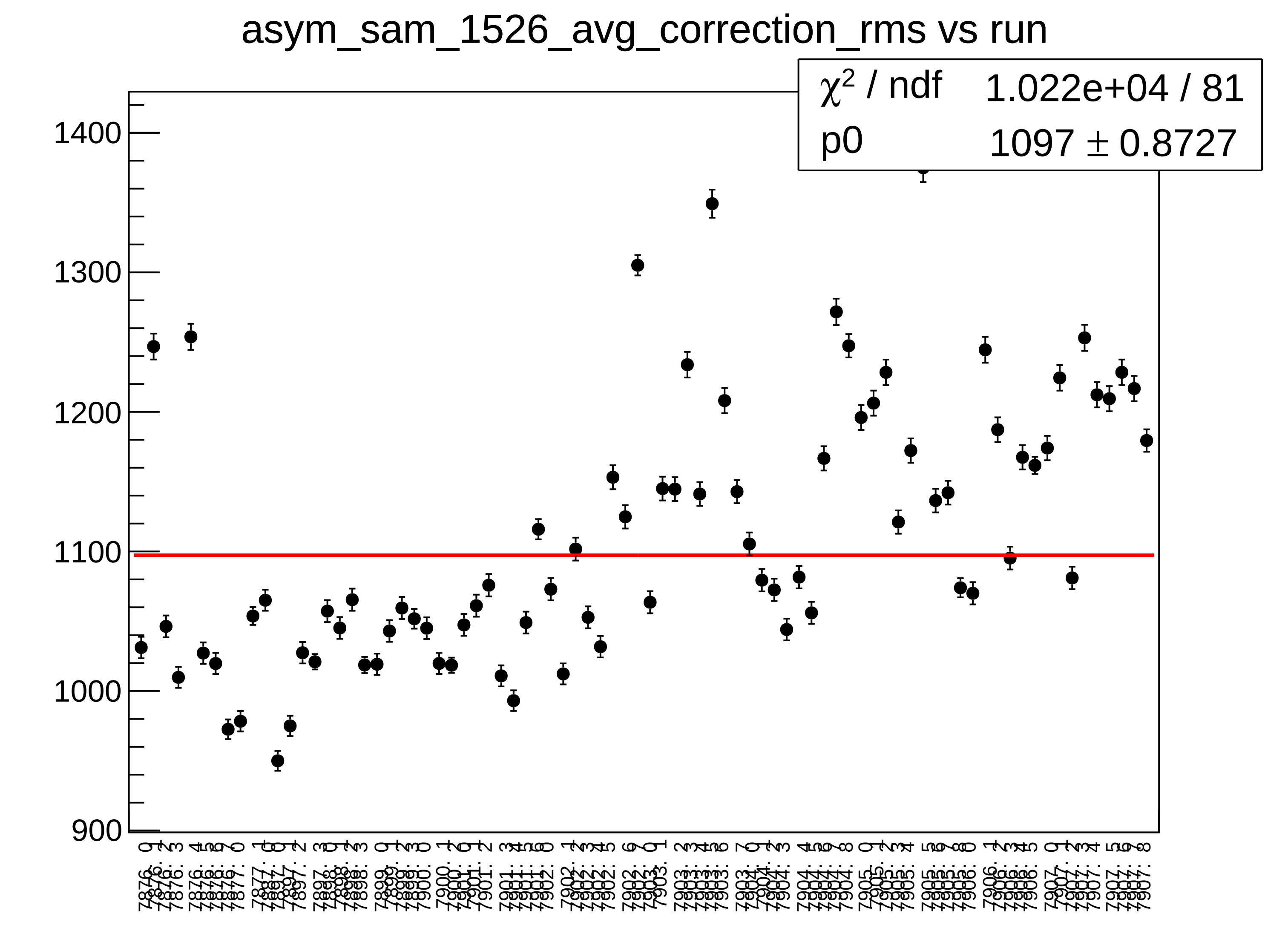


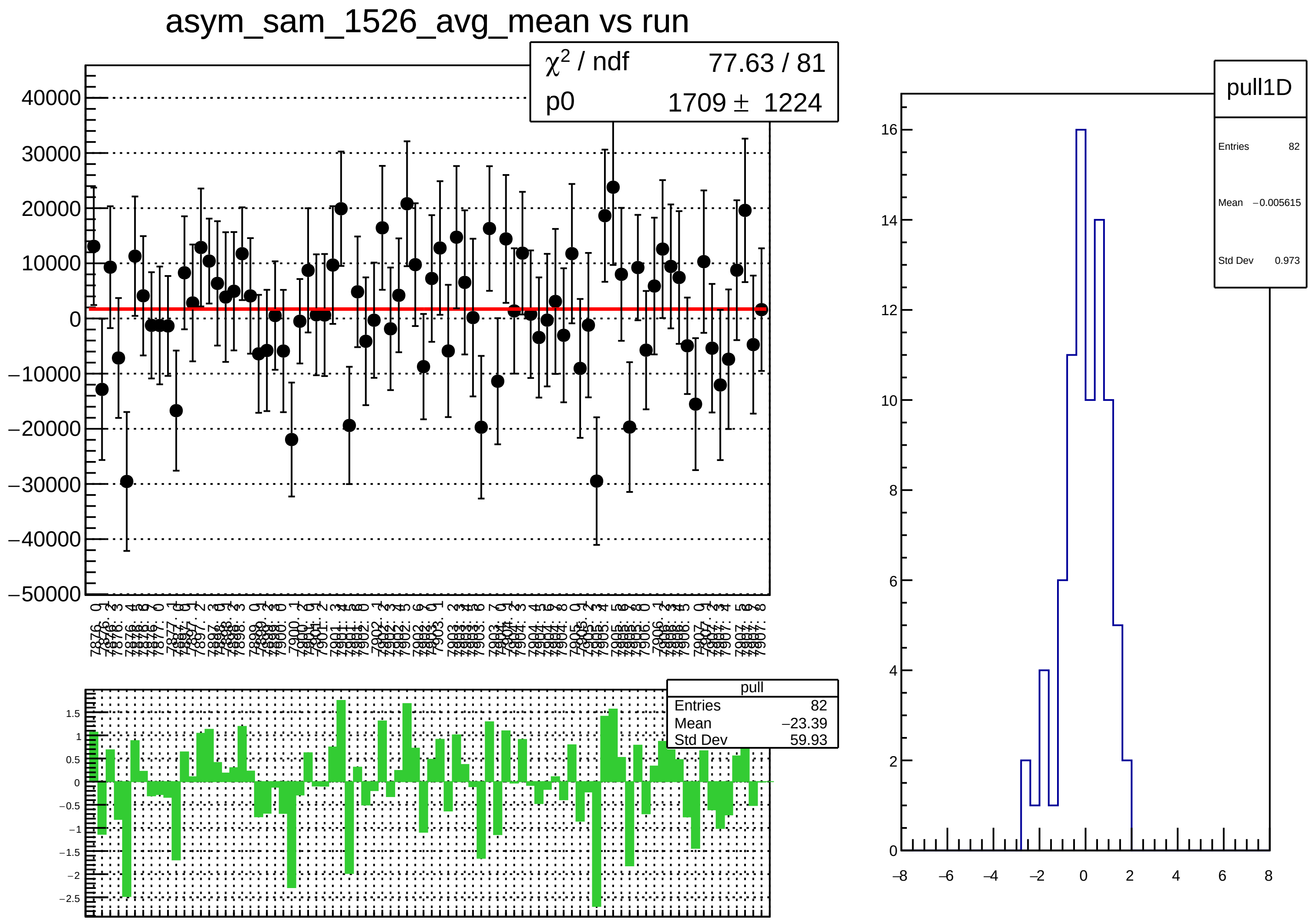
dit_asym_sam_1526_avg_mean vs run
χ2 / ndf 78.99 / 81
p0 −62.18 ± 190.1
pull
Entries 82
Mean −358.8
Std Dev 393.9
pull1D
Entries 82
Mean 0.01335
Std Dev 0.9814


dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.156e+04 / 81
p0 168.5 ± 0.1344
240
220
200
180
160
140

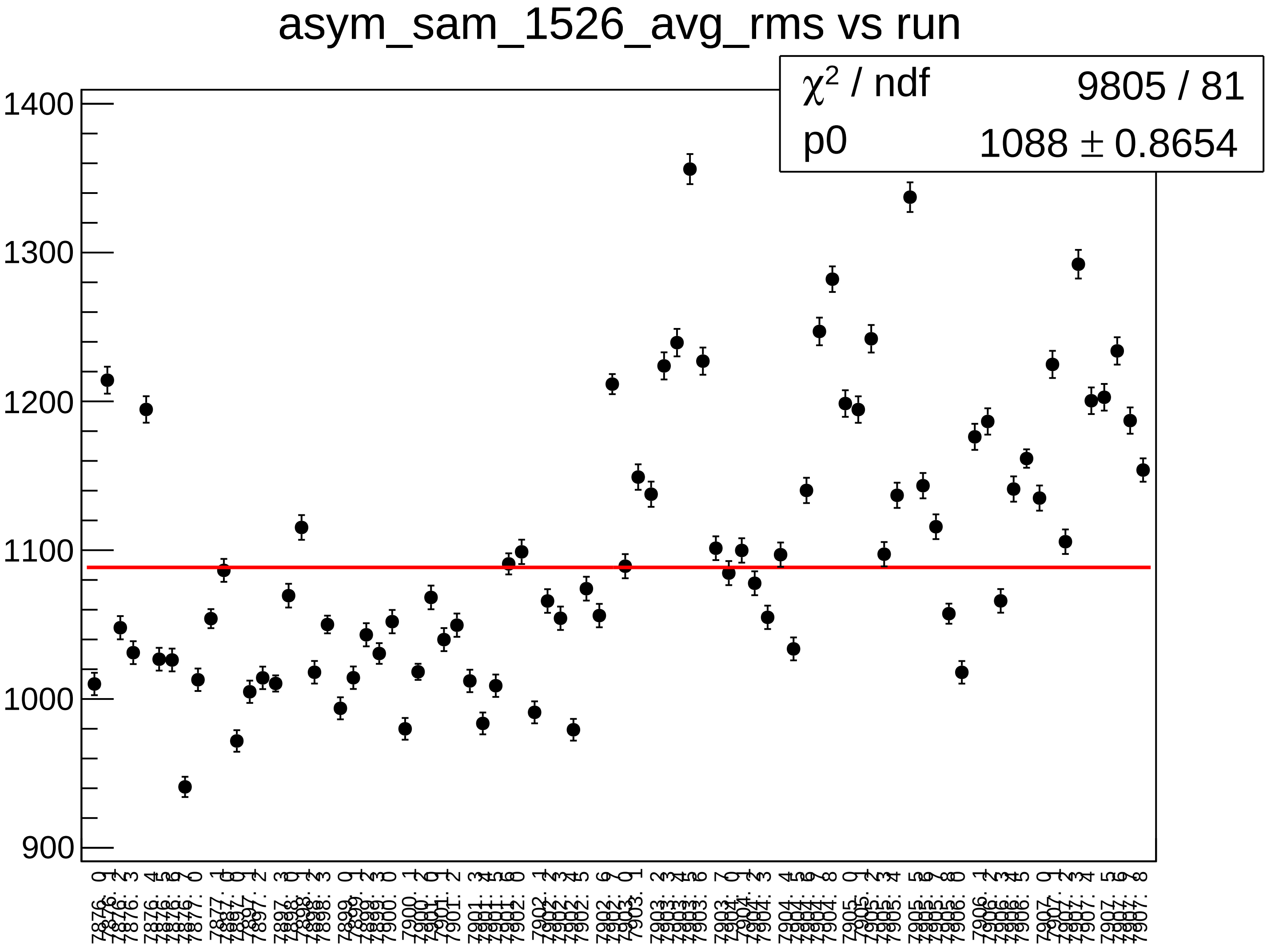


asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 75.17 / 81
p0 −1807 ± 1234
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −82.9
Std Dev 98.7
pull1D
Entries 82
Mean 0.009544
Std Dev 0.9574

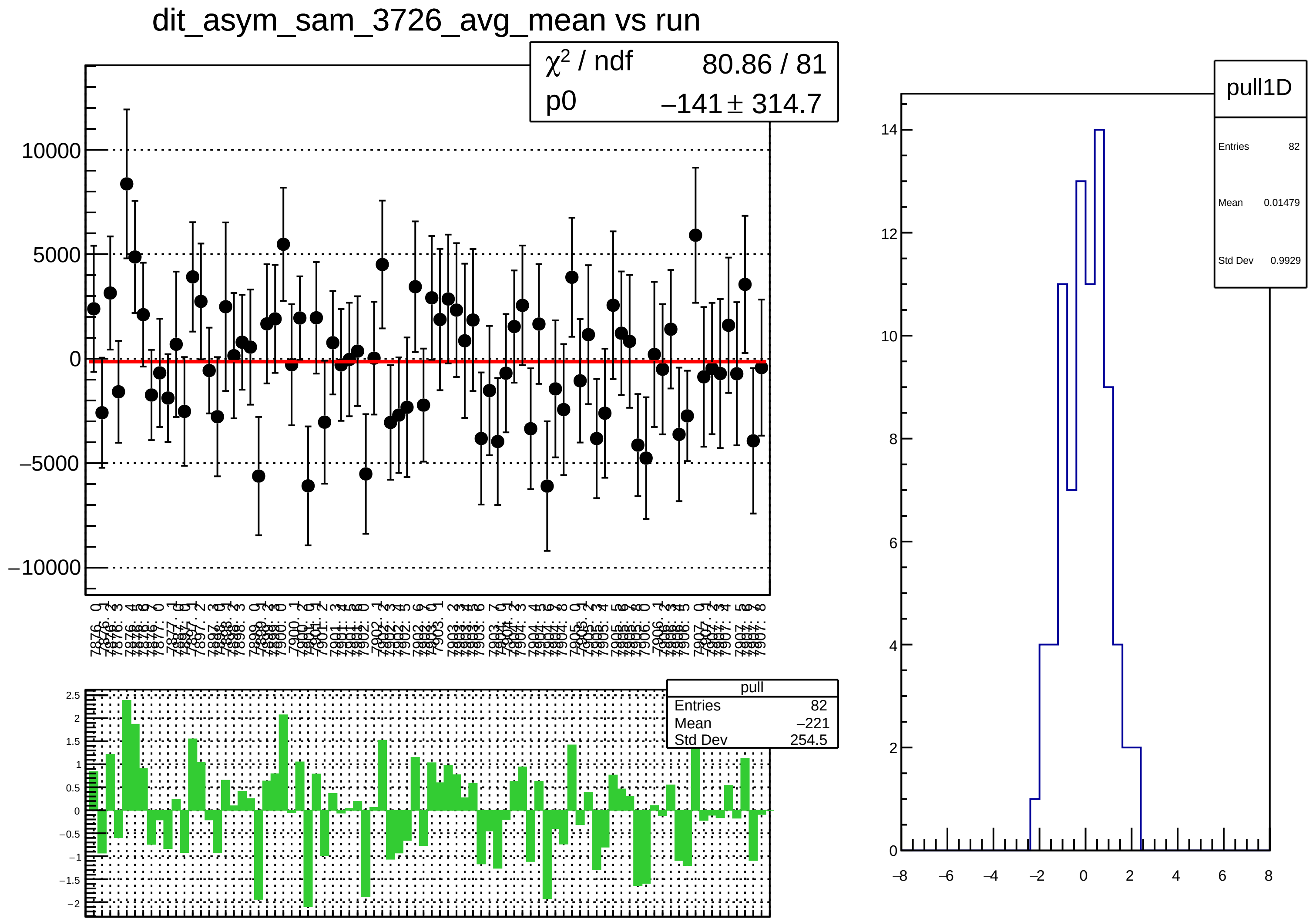

asym_sam_1526_avg_correction_rms vs run
χ2 / ndf 1.022e+04 / 81
p0 1097 ± 0.8727
1400
1300
1200
1100
1000
900



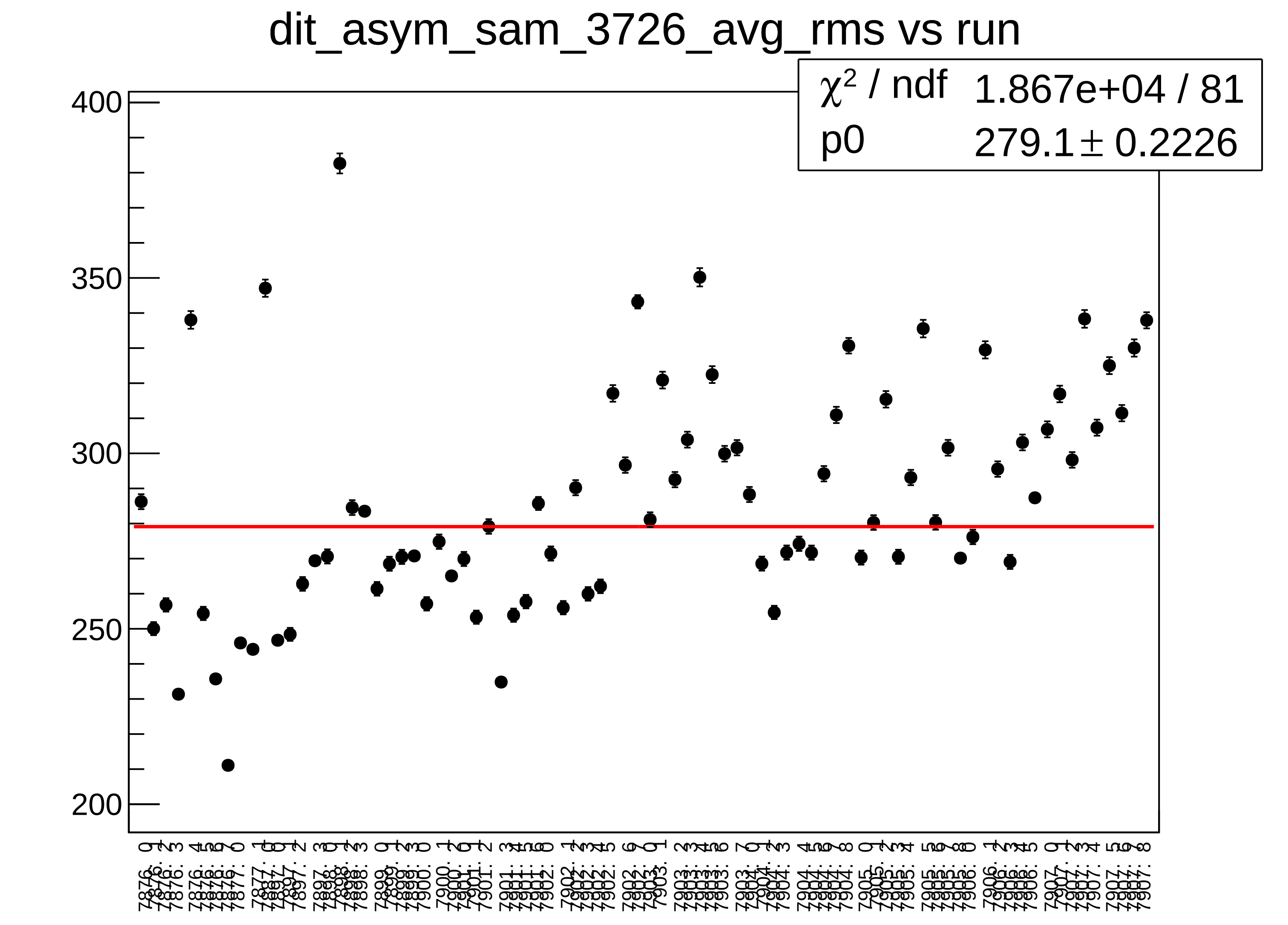
asym_sam_1526_avg_mean vs run
χ^2 / ndf 77.63 / 81
p0 1709 ± 1224
pull
Entries 82
Mean −23.39
Std Dev 59.93
pull1D
Entries 82
Mean −0.005615
Std Dev 0.973

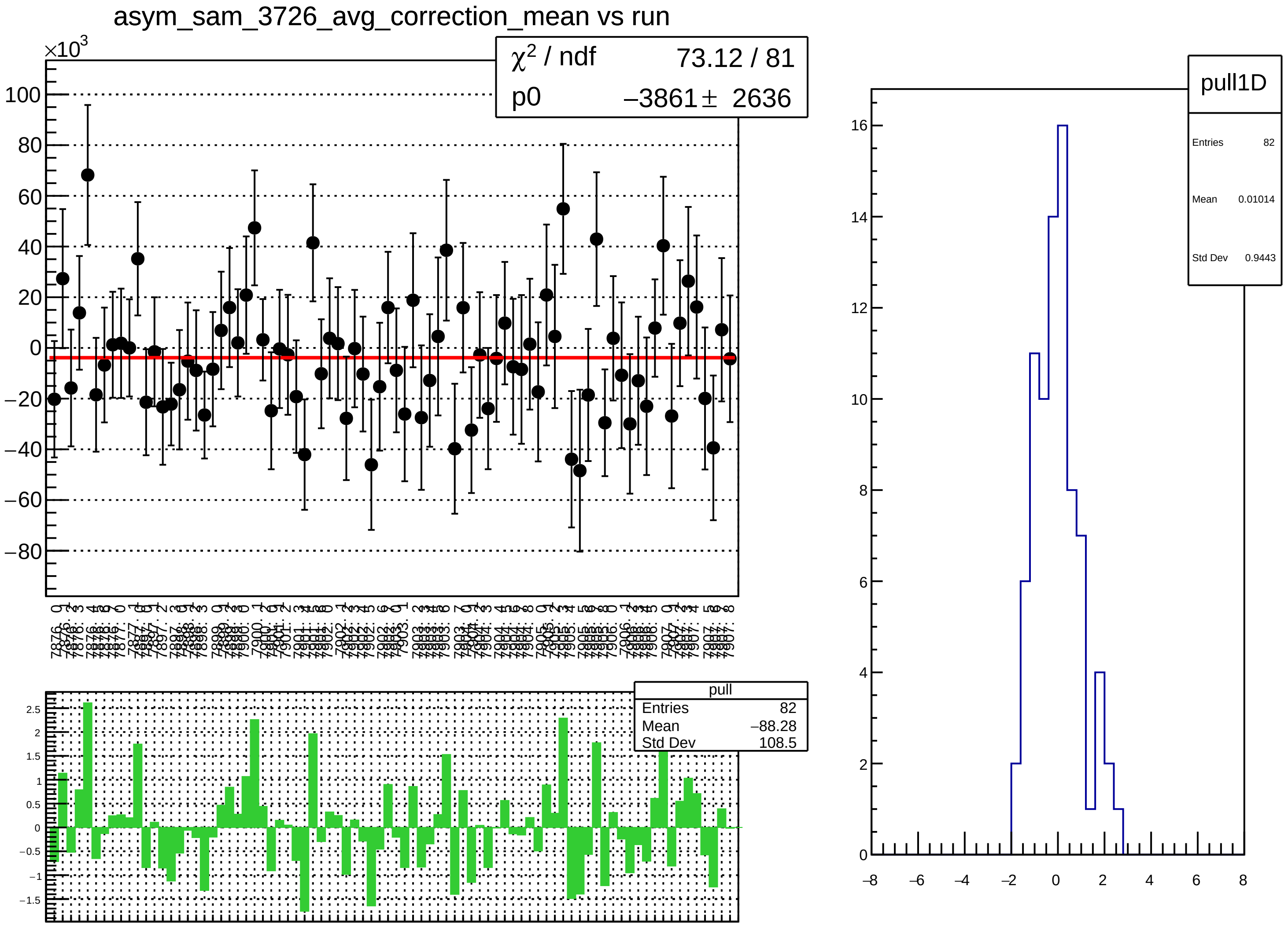


asym_sam_1526_avg_rms vs run
χ^2 / ndf 9805 / 81
p0 1088 ± 0.8654
1400
1300
1200
1100
1000
900

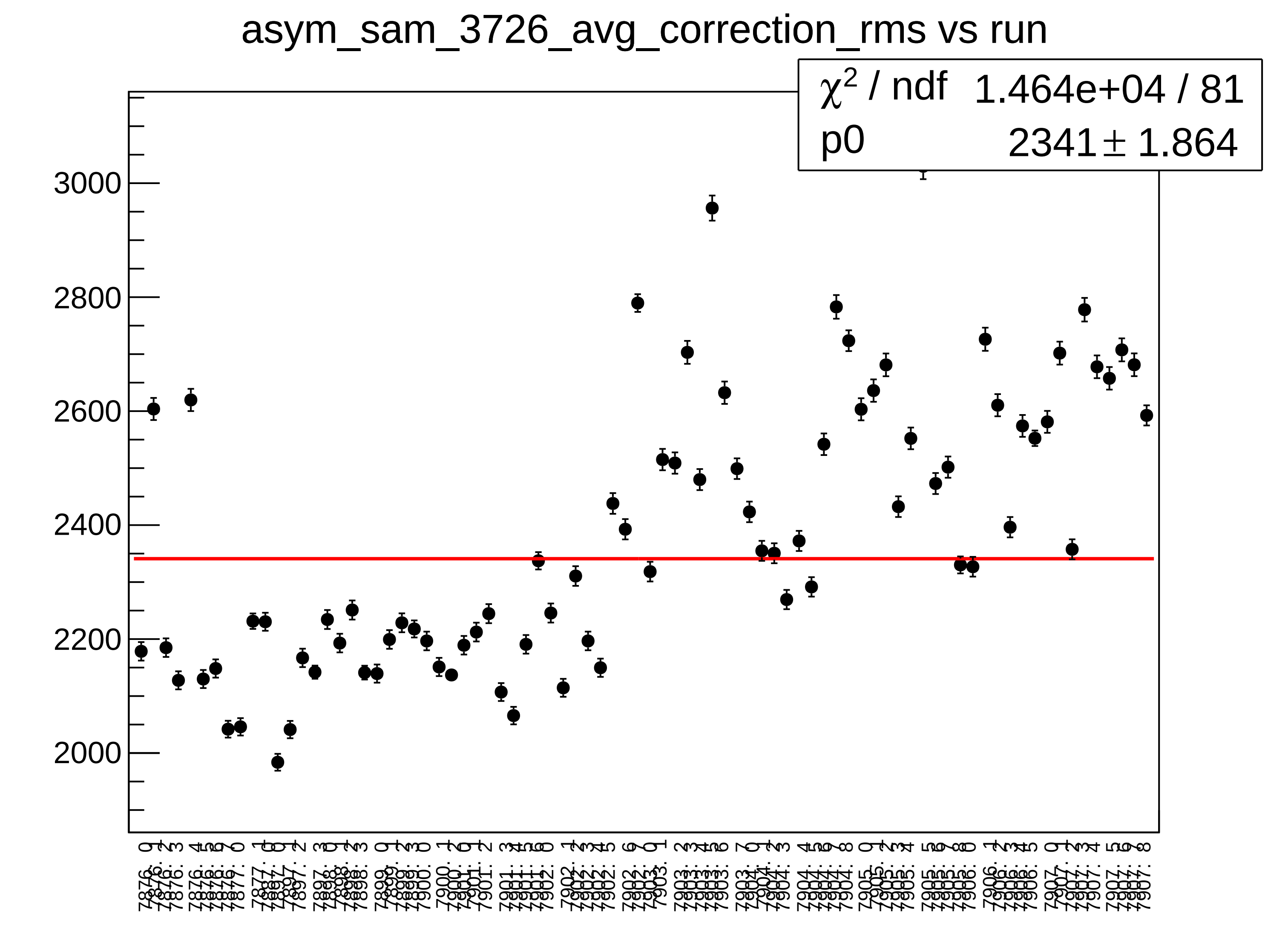


dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 80.86 / 81
p0 −141 ± 314.7
pull
Entries 82
Mean −221
Std Dev 254.5
pull1D
Entries 82
Mean 0.01479
Std Dev 0.9929

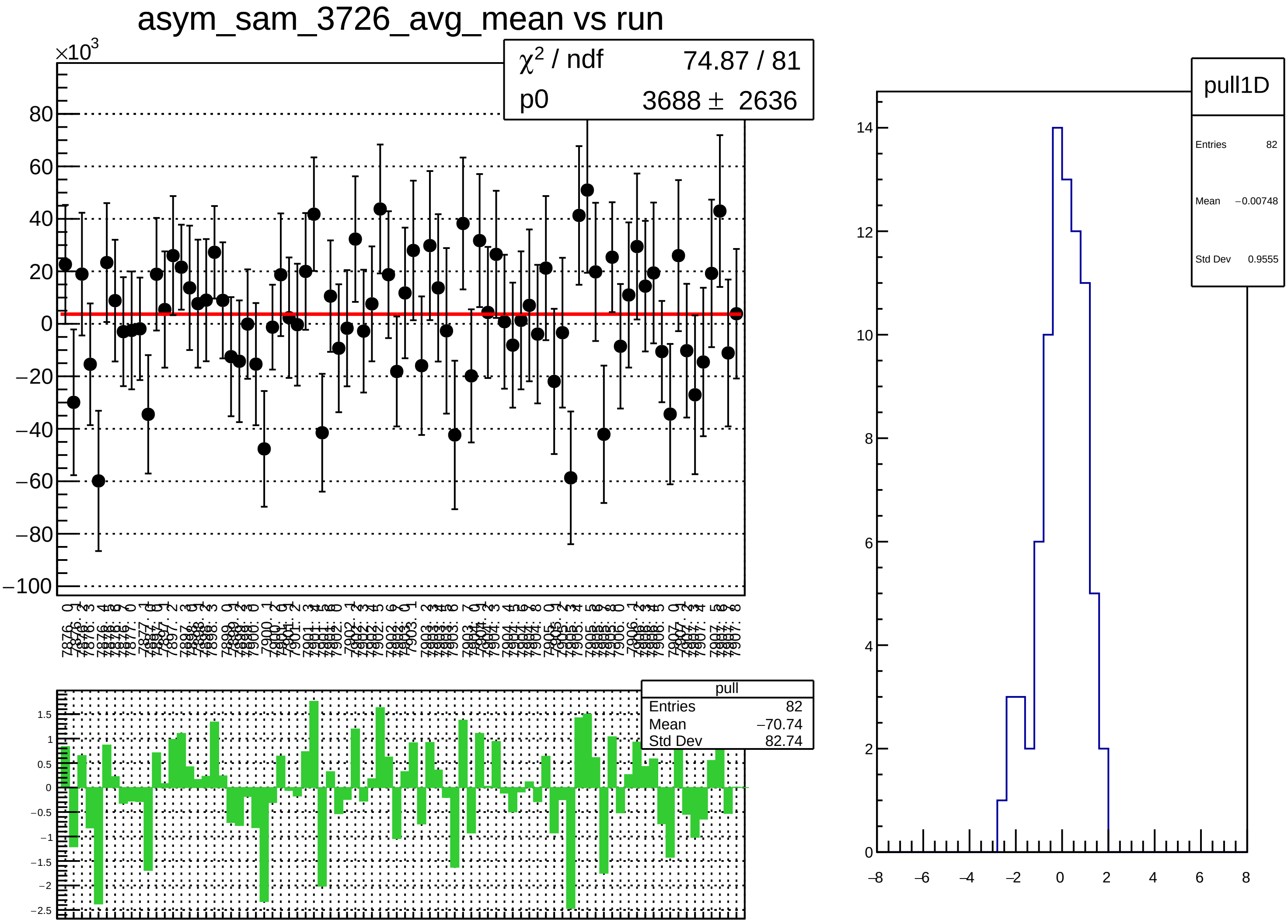


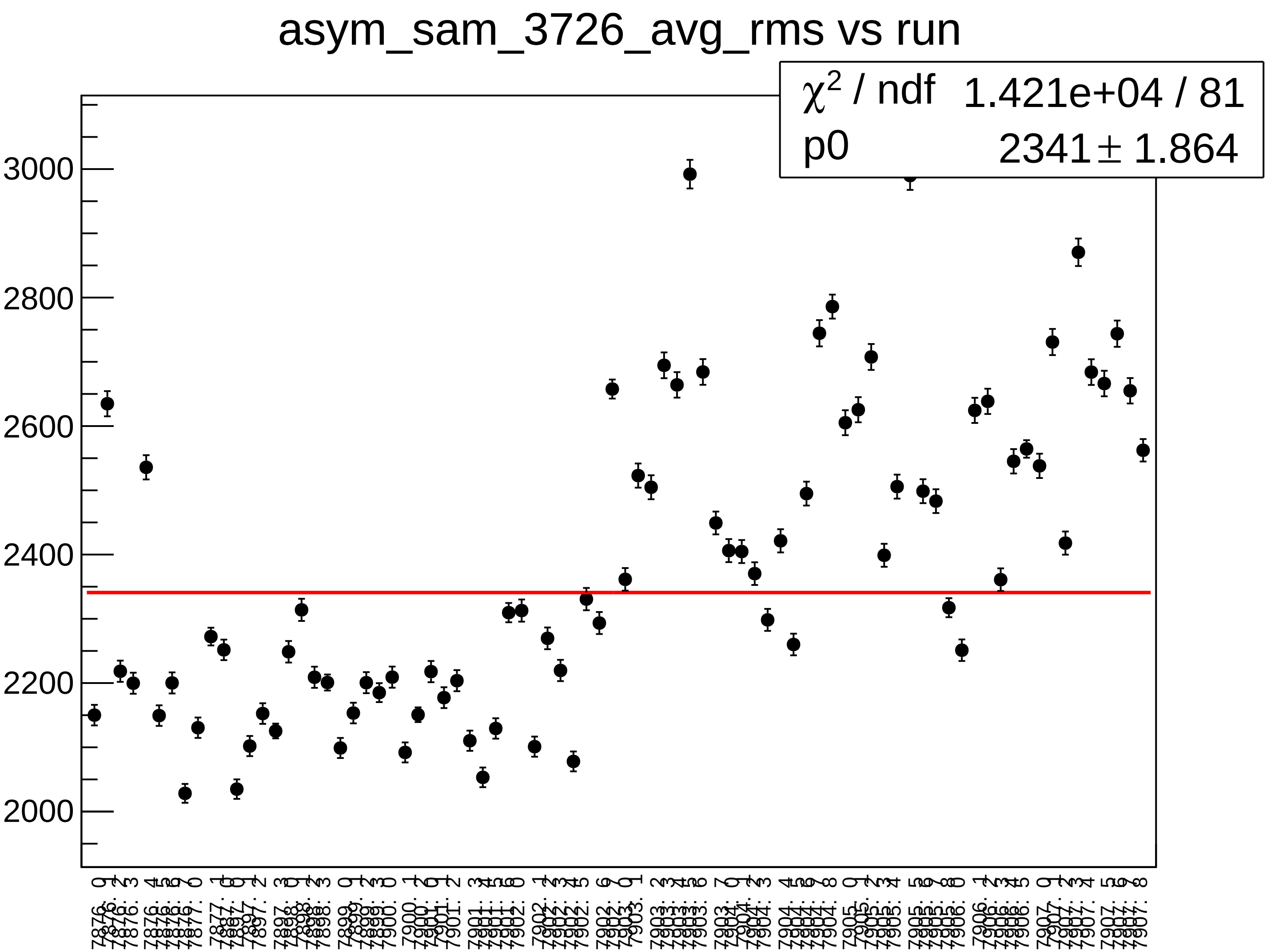


asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 73.12 / 81
p0 −3861 ± 2636
pull
Entries 82
Mean −88.28
Std Dev 108.5
pull1D
Entries 82
Mean 0.01014
Std Dev 0.9443

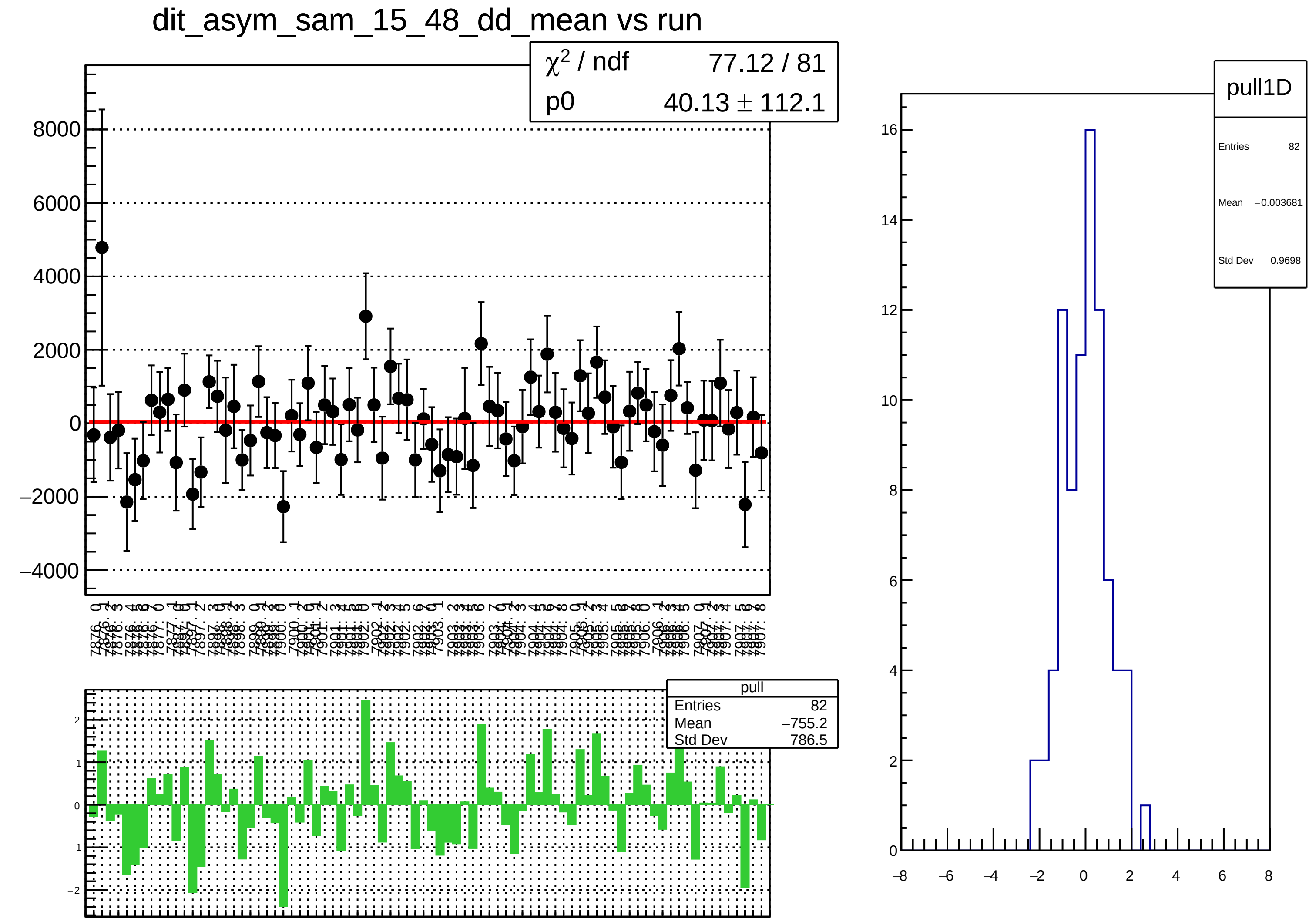


asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 1.464e+04 / 81
p0 2341 ± 1.864
3000
2800
2600
2400
2200
2000

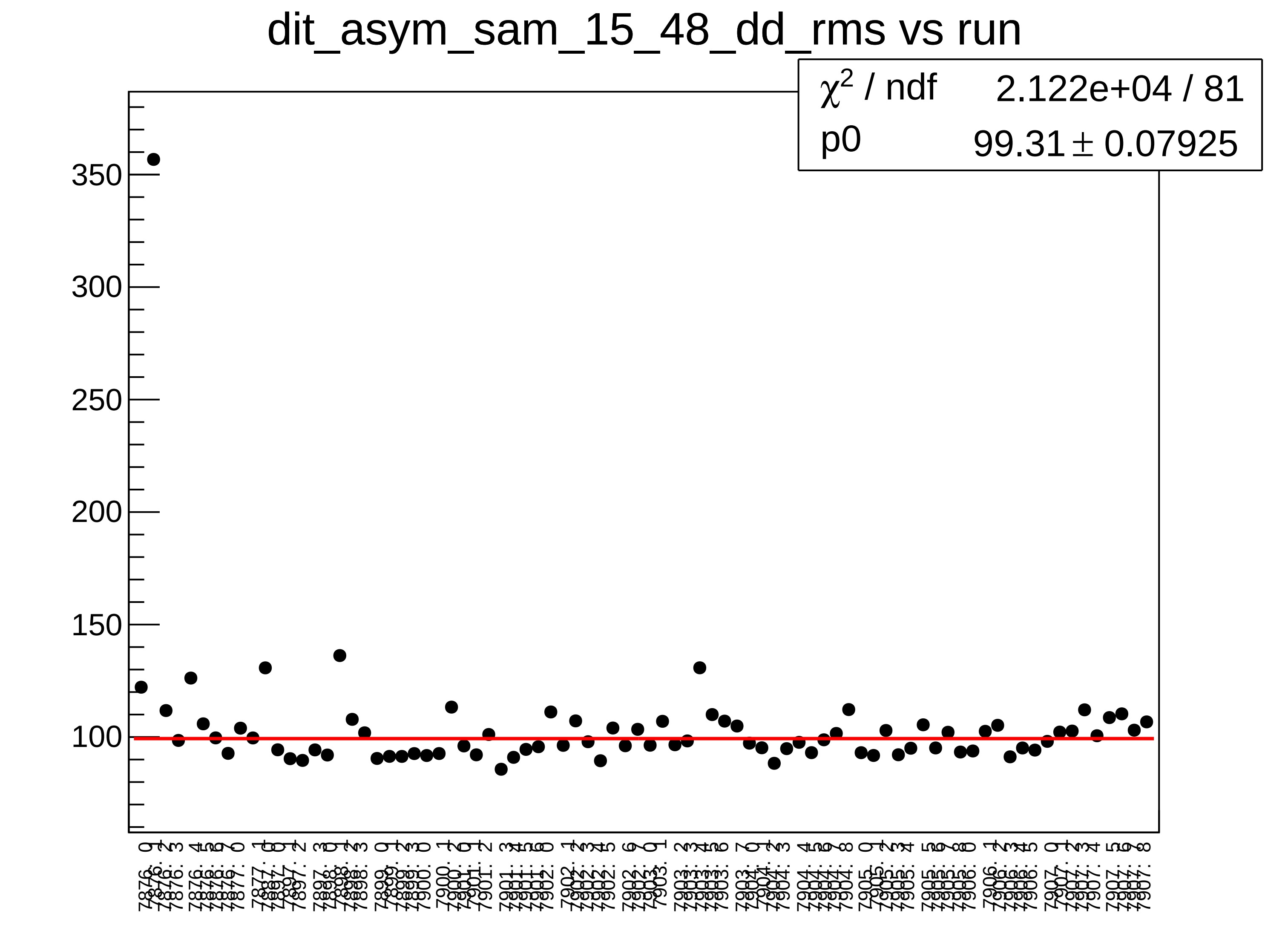

asym_sam_3726_avg_mean vs run
×10^3
χ^2 / ndf 74.87 / 81
p0 3688 ± 2636
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 82
Mean −70.74
Std Dev 82.74
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.00748
Std Dev 0.9555
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



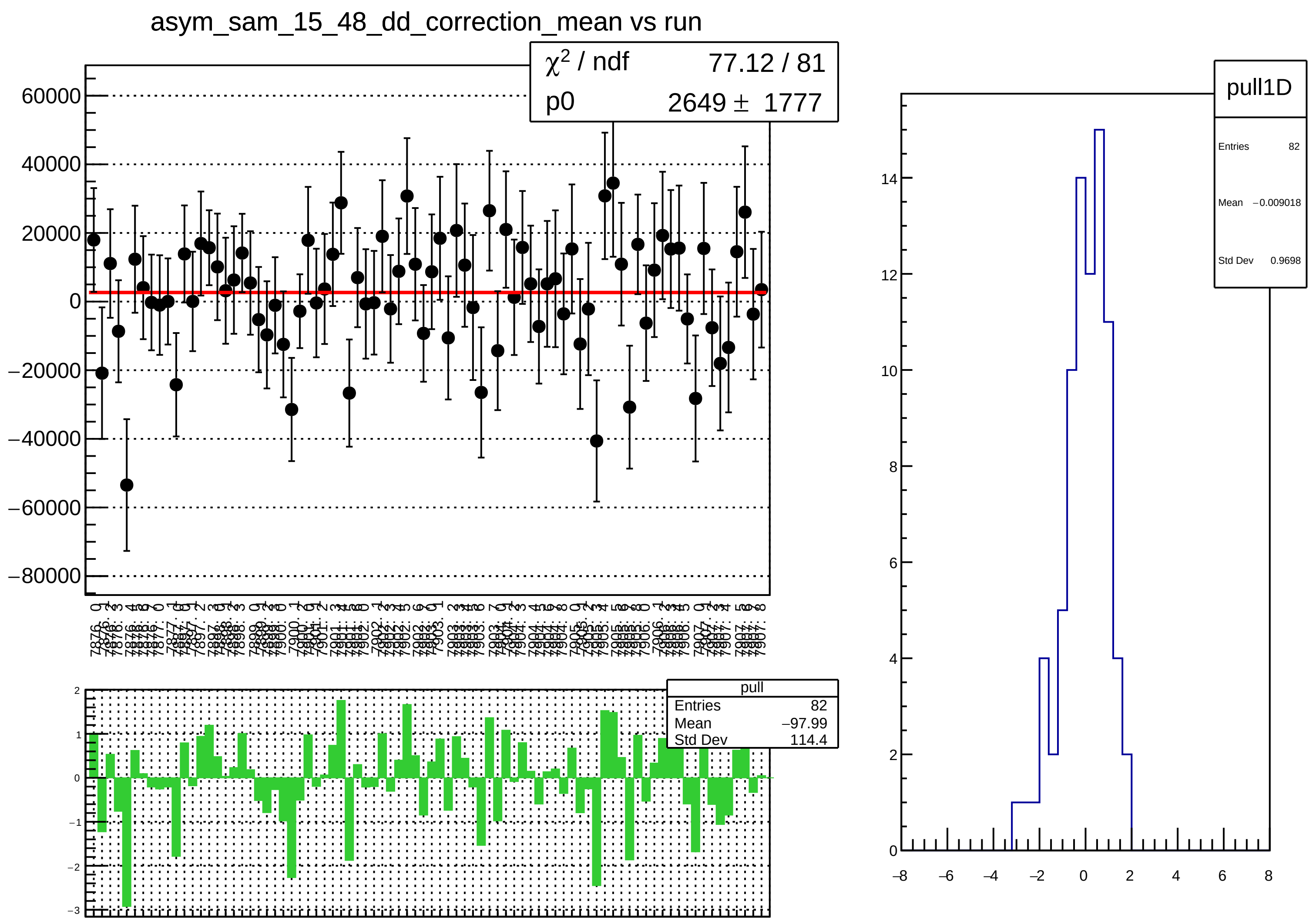
asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.421e+04 / 81
p0 2341 ± 1.864
3000
2800
2600
2400
2200
2000



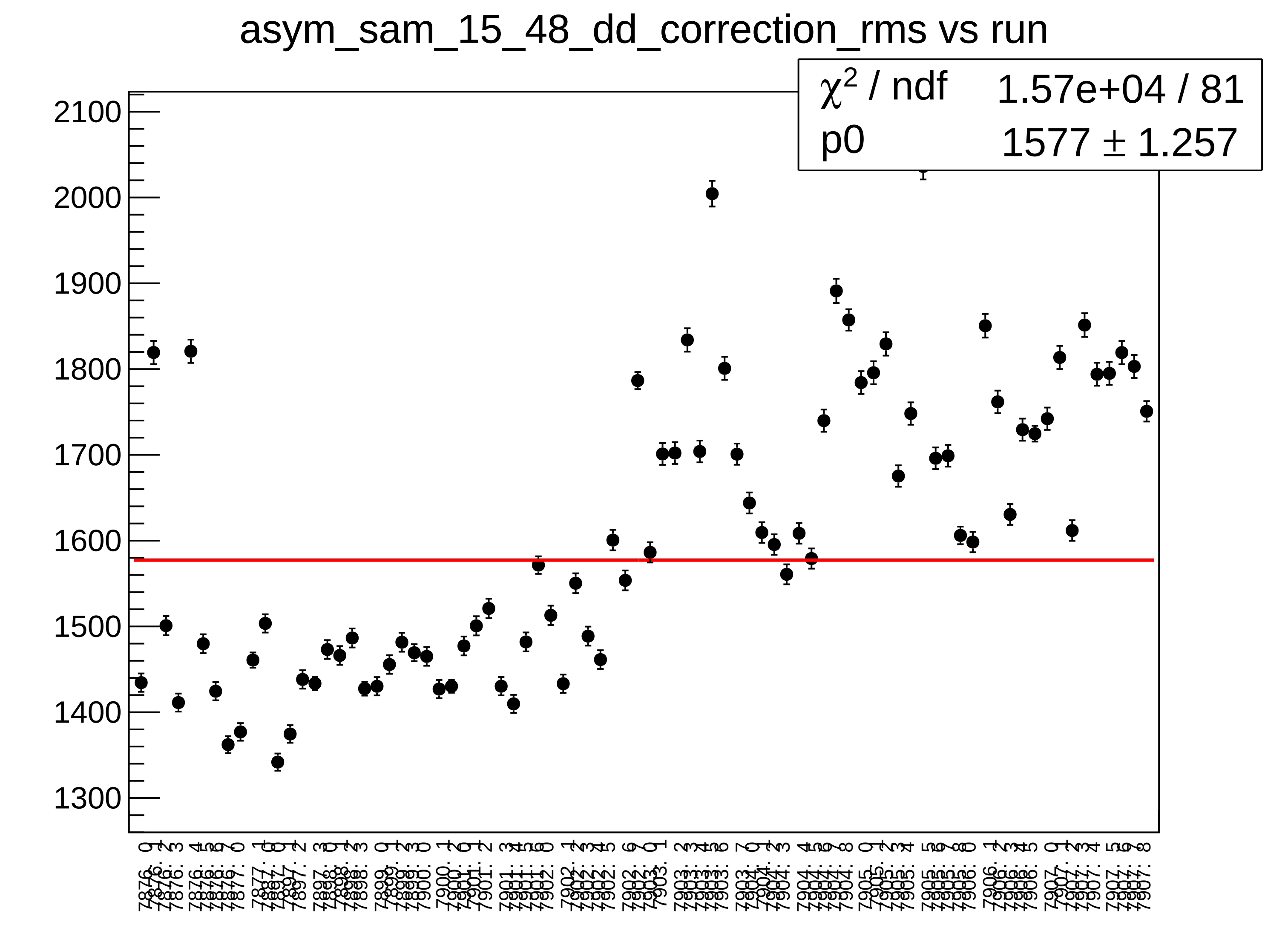
dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 77.12 / 81
p0 40.13 ± 112.1
pull
Entries 82
Mean −755.2
Std Dev 786.5
pull1D
Entries 82
Mean −0.003681
Std Dev 0.9698



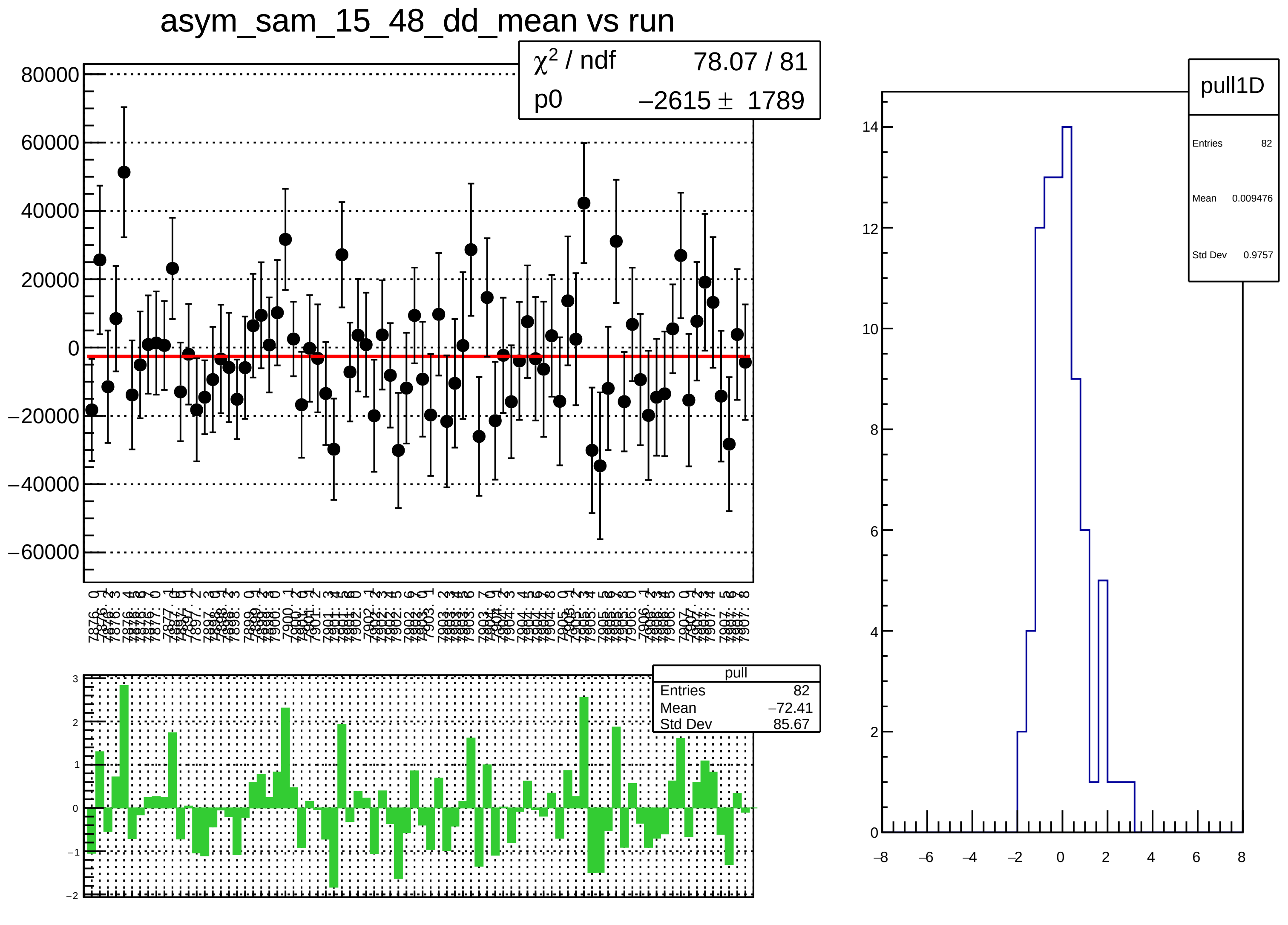
dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.122e+04 / 81
p0 99.31 ± 0.07925
350
300
250
200
150
100



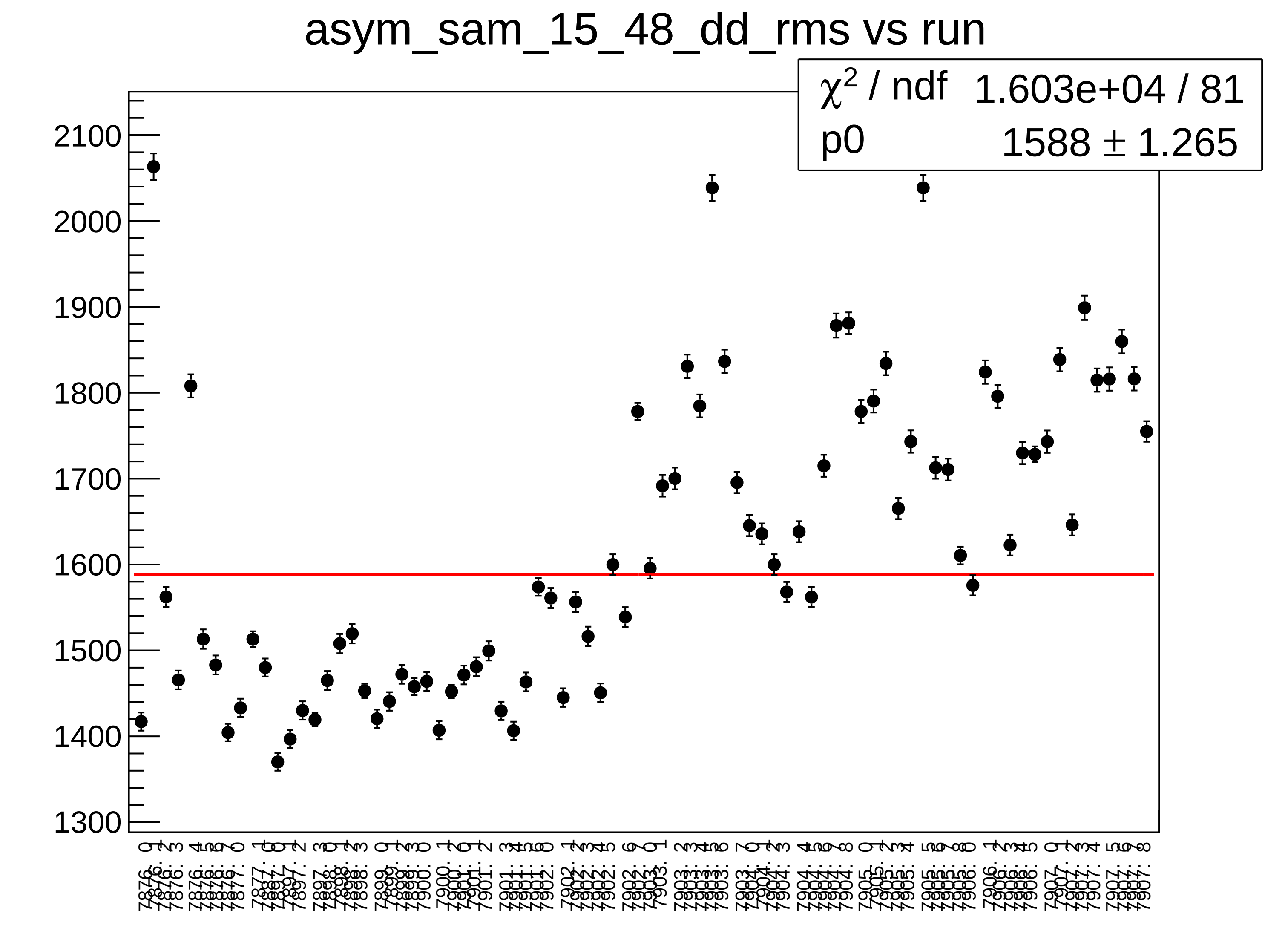
asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 77.12 / 81
p0 2649 ± 1777
pull
Entries 82
Mean −97.99
Std Dev 114.4
pull1D
Entries 82
Mean −0.009018
Std Dev 0.9698

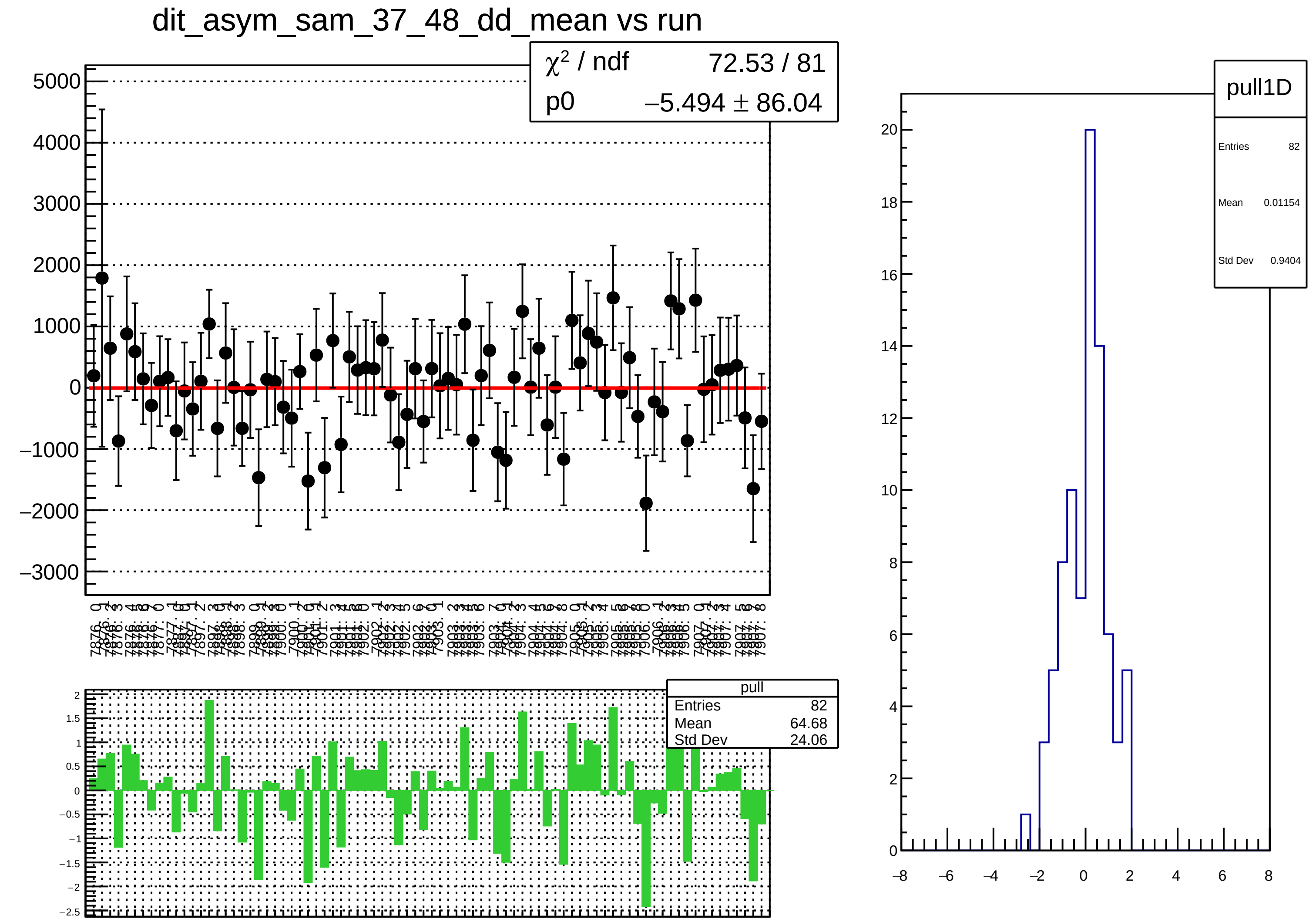


asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 1.57e+04 / 81
p0 1577 ± 1.257
2100
2000
1900
1800
1700
1600
1500
1400
1300

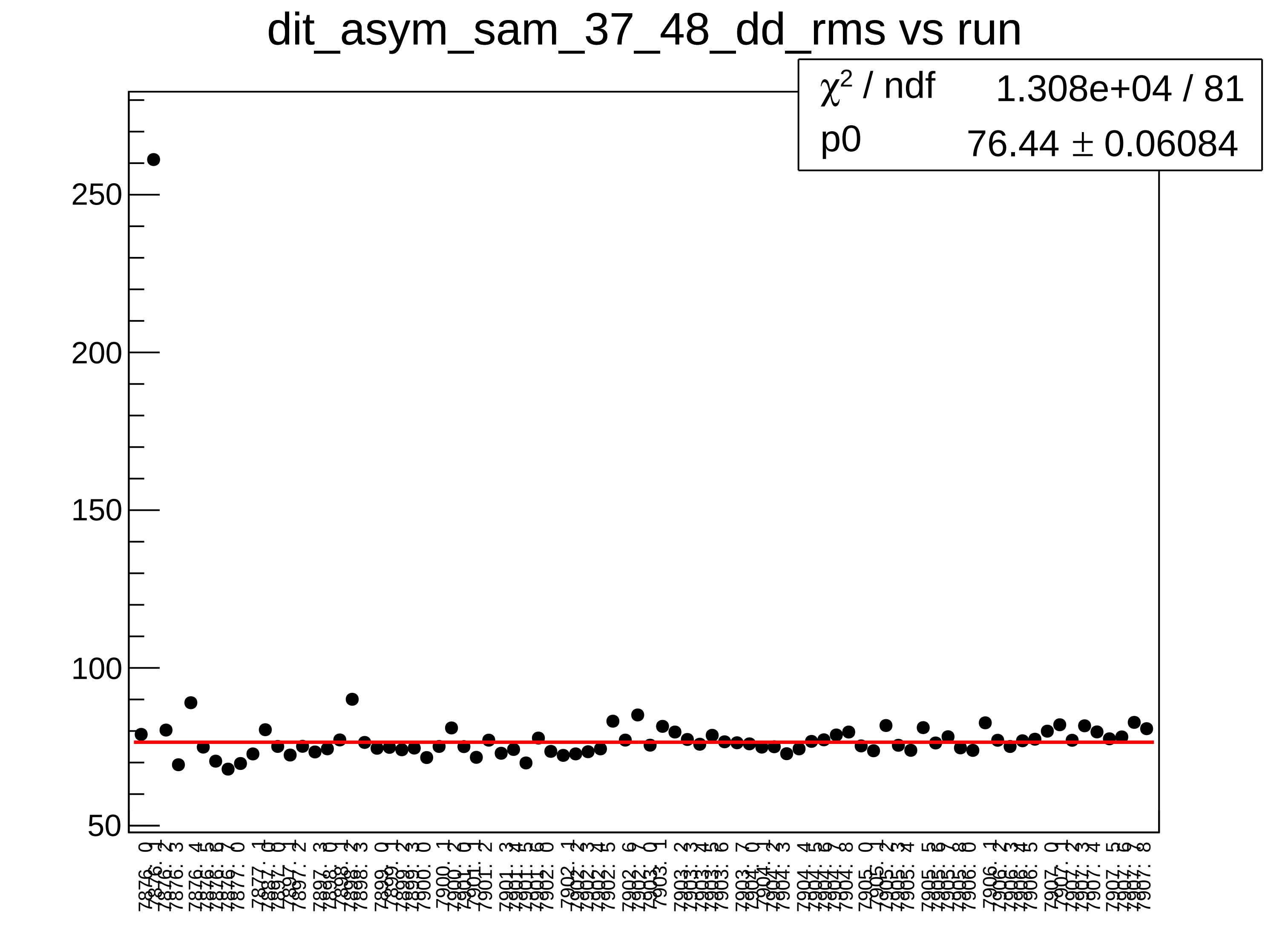


asym_sam_15_48_dd_mean vs run
χ^2 / ndf 78.07 / 81
p0 −2615 ± 1789
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −72.41
Std Dev 85.67
pull1D
Entries 82
Mean 0.009476
Std Dev 0.9757

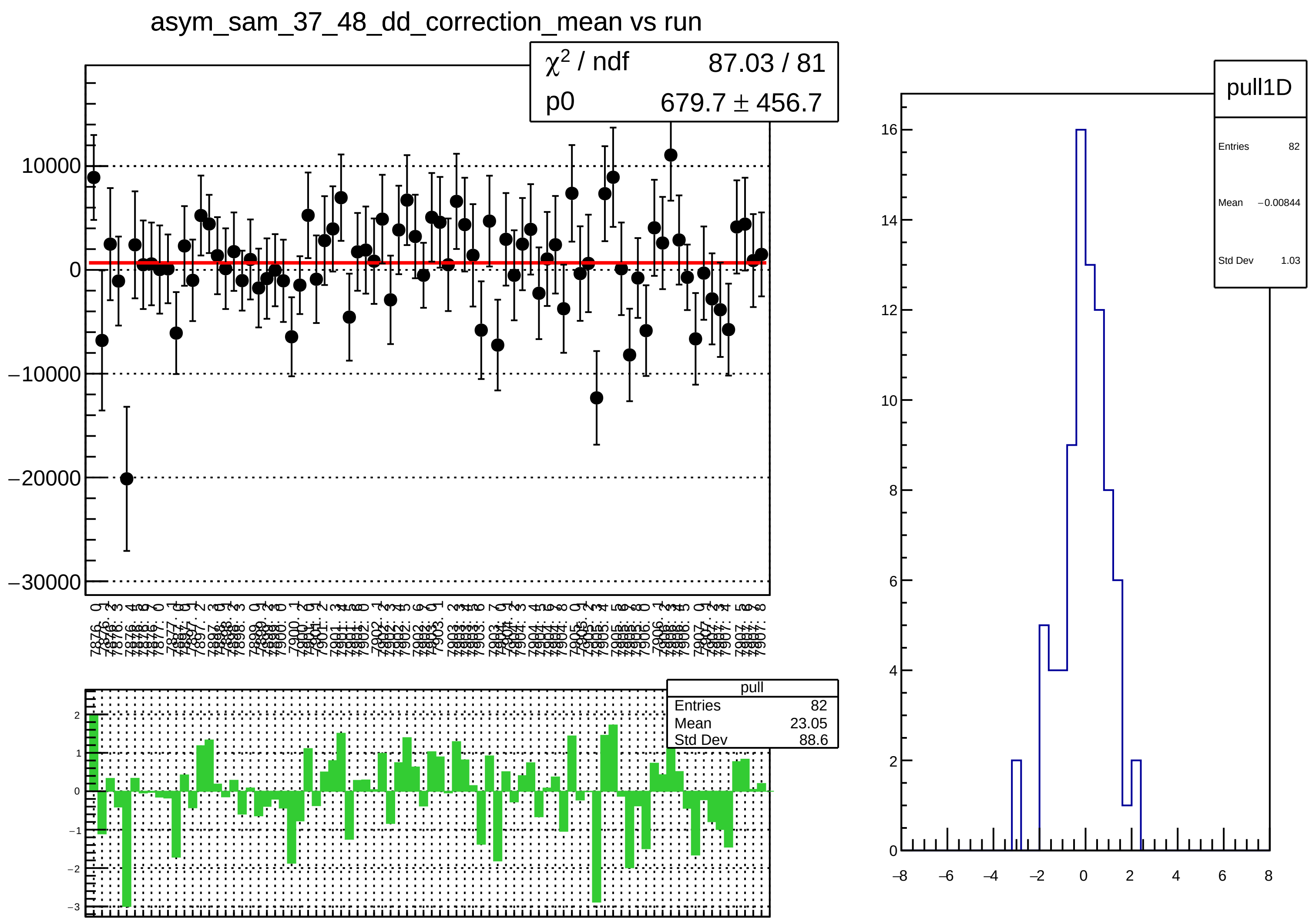

asym_sam_15_48_dd_rms vs run
χ2 / ndf 1.603e+04 / 81
p0 1588 ± 1.265
2100
2000
1900
1800
1700
1600
1500
1400
1300



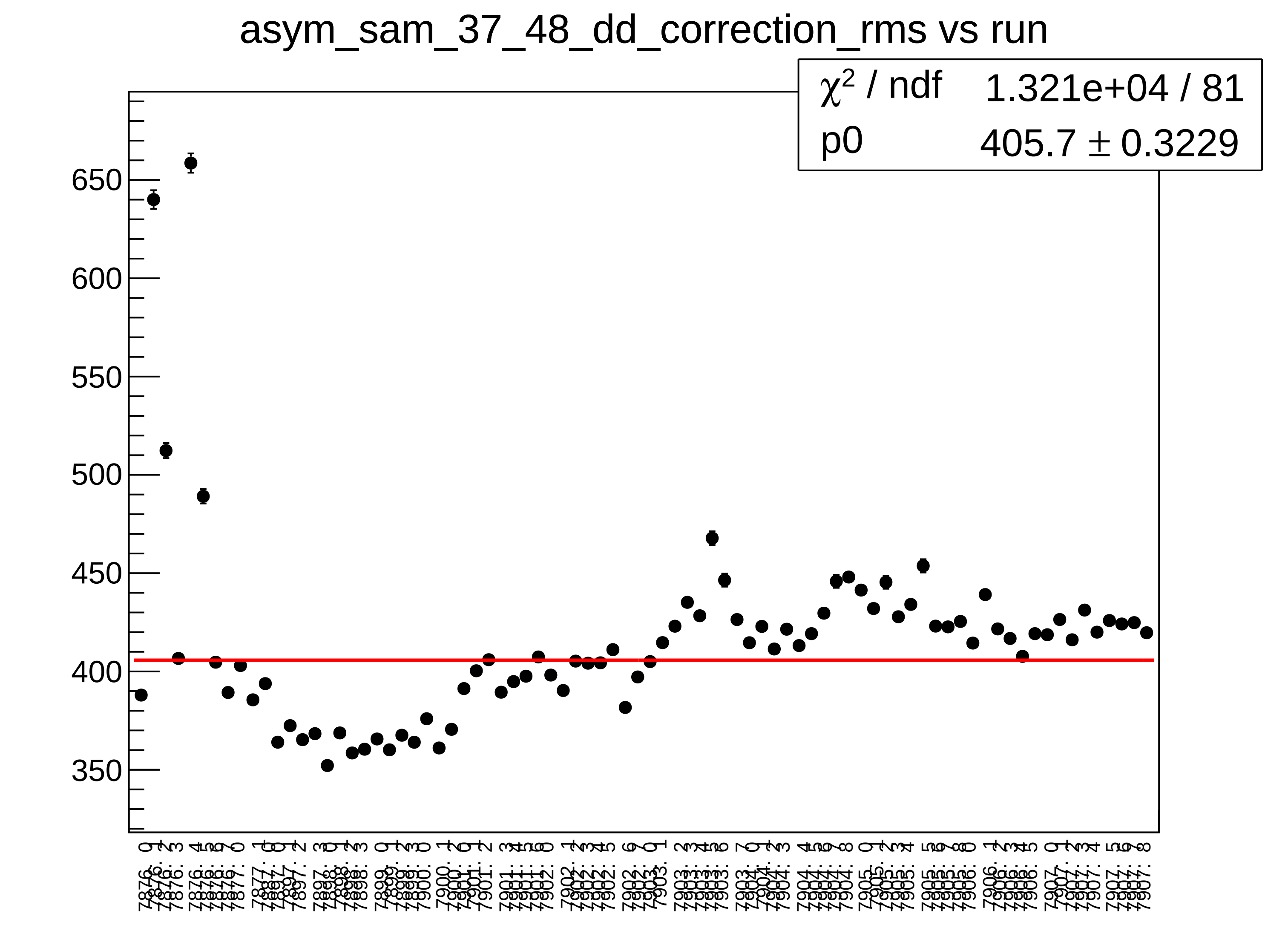
dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 72.53 / 81
p0 −5.494 ± 86.04
pull
Entries 82
Mean 64.68
Std Dev 24.06
pull1D
Entries 82
Mean 0.01154
Std Dev 0.9404



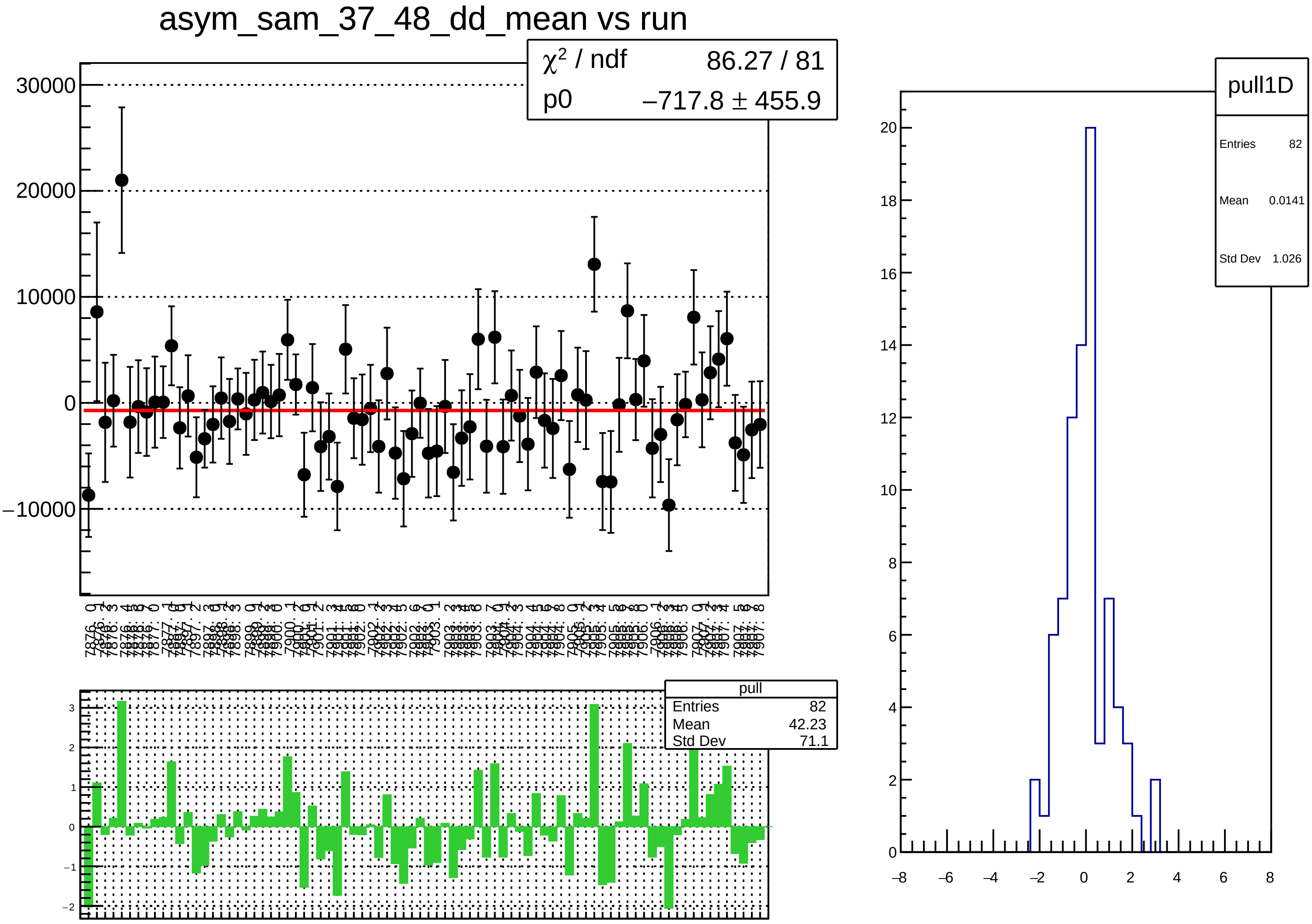
dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.308e+04 / 81
p0 76.44 ± 0.06084
250
200
150
100
50



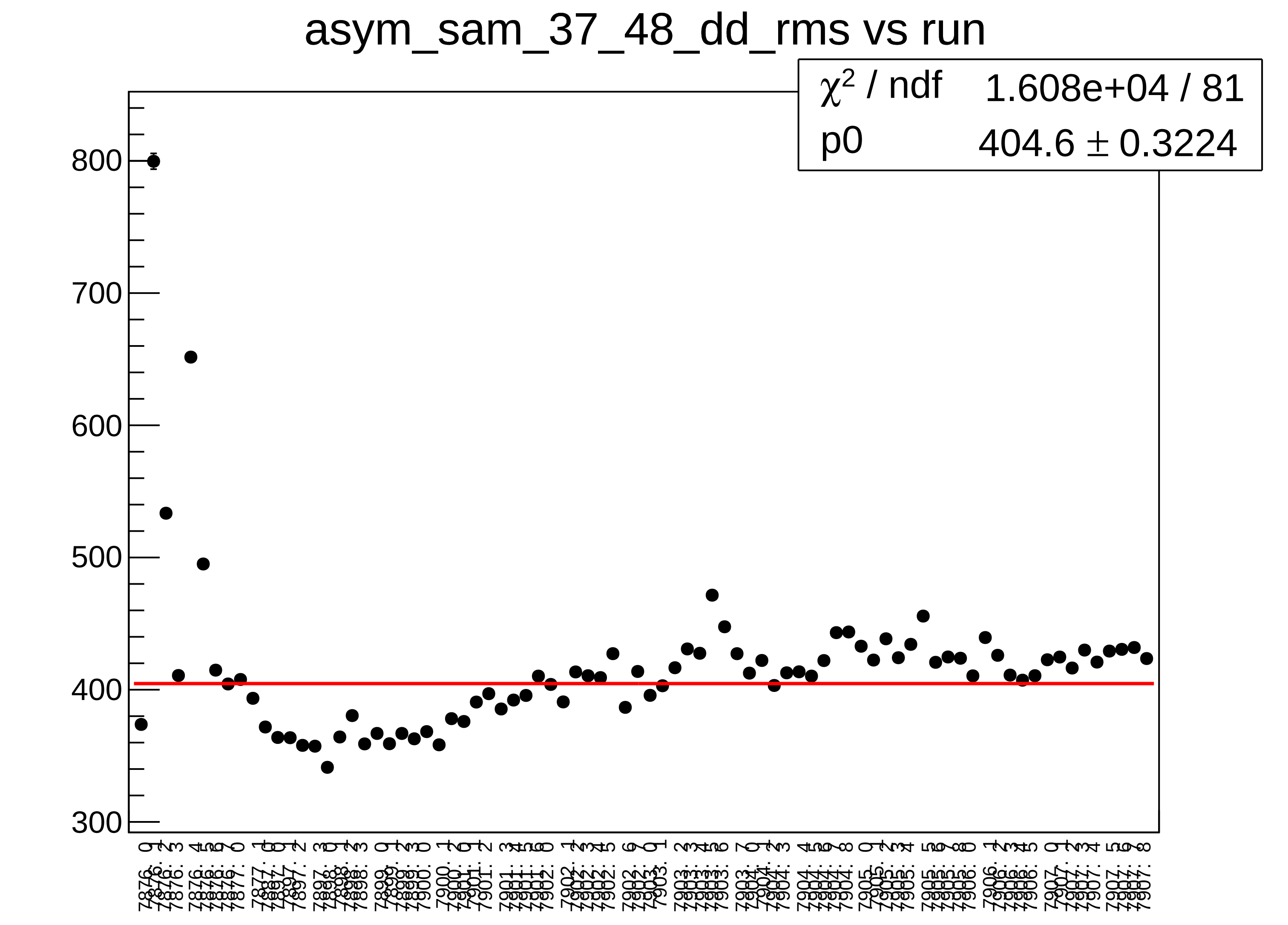
asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 87.03 / 81
p0 679.7 ± 456.7
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 23.05
Std Dev 88.6
pull1D
Entries 82
Mean −0.00844
Std Dev 1.03



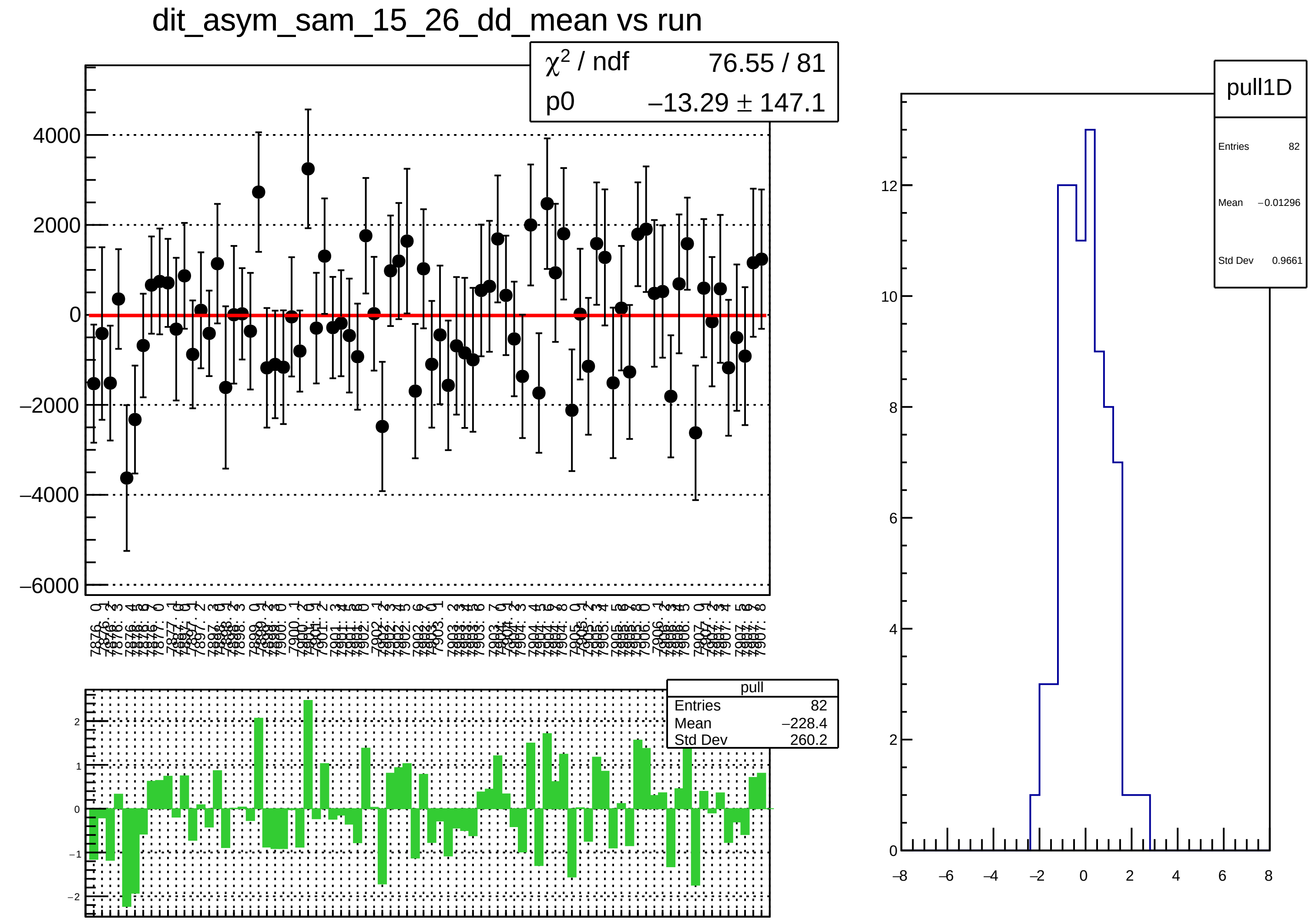
asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 1.321e+04 / 81
p0 405.7 ± 0.3229
650
600
550
500
450
400
350

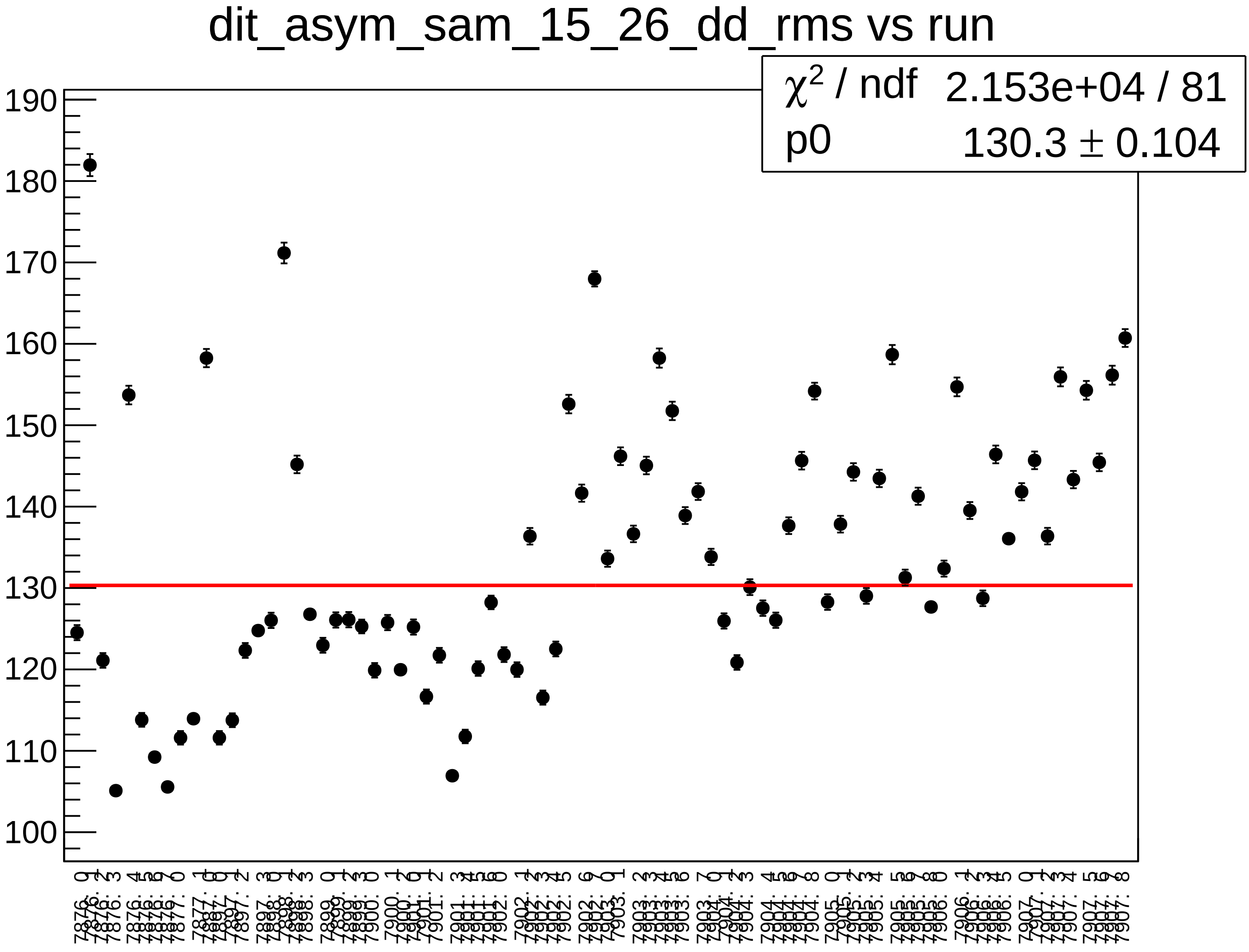


asym_sam_37_48_dd_mean vs run
χ^2 / ndf 86.27 / 81
p0 −717.8 ± 455.9
pull
Entries 82
Mean 42.23
Std Dev 71.1
pull1D
Entries 82
Mean 0.0141
Std Dev 1.026

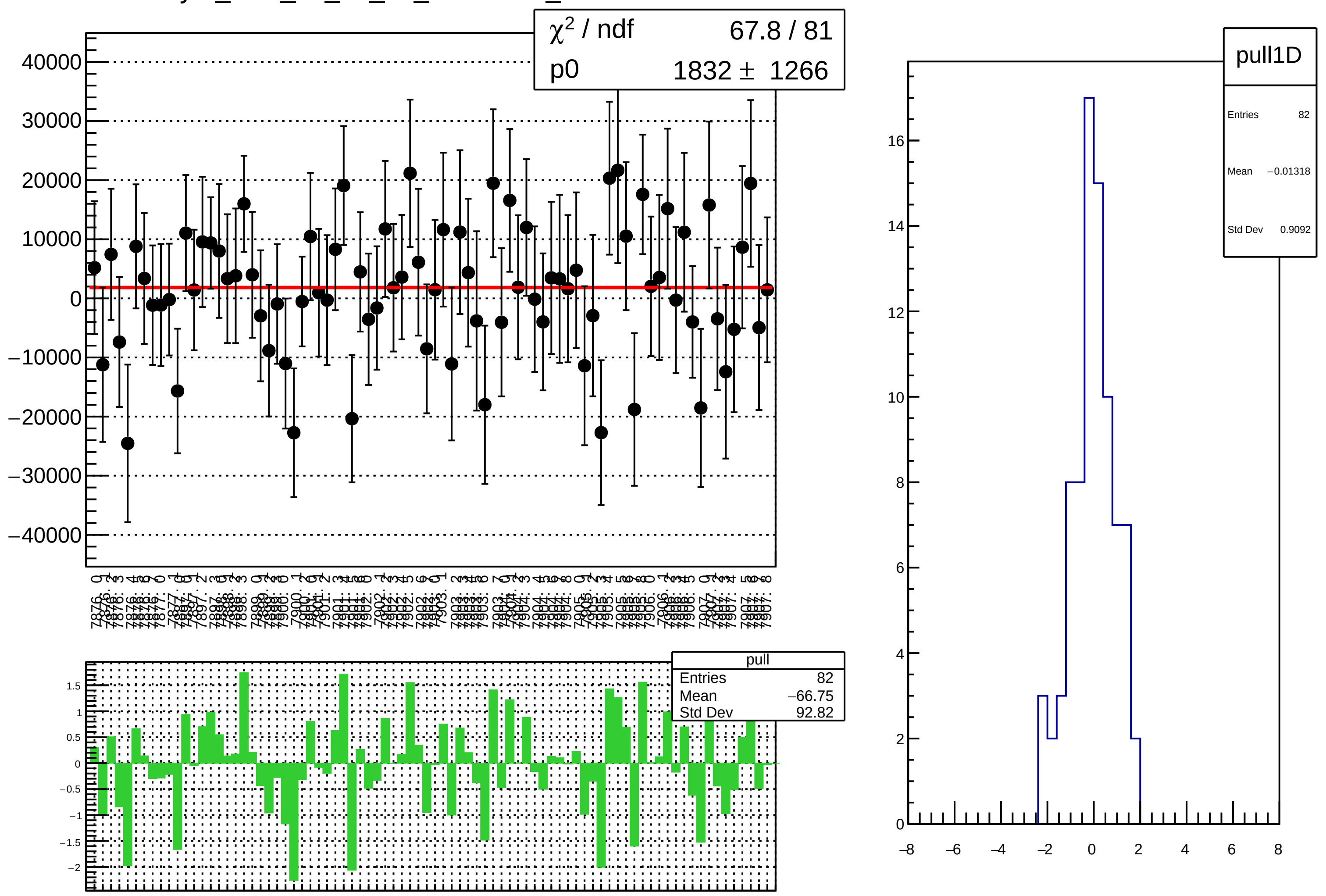


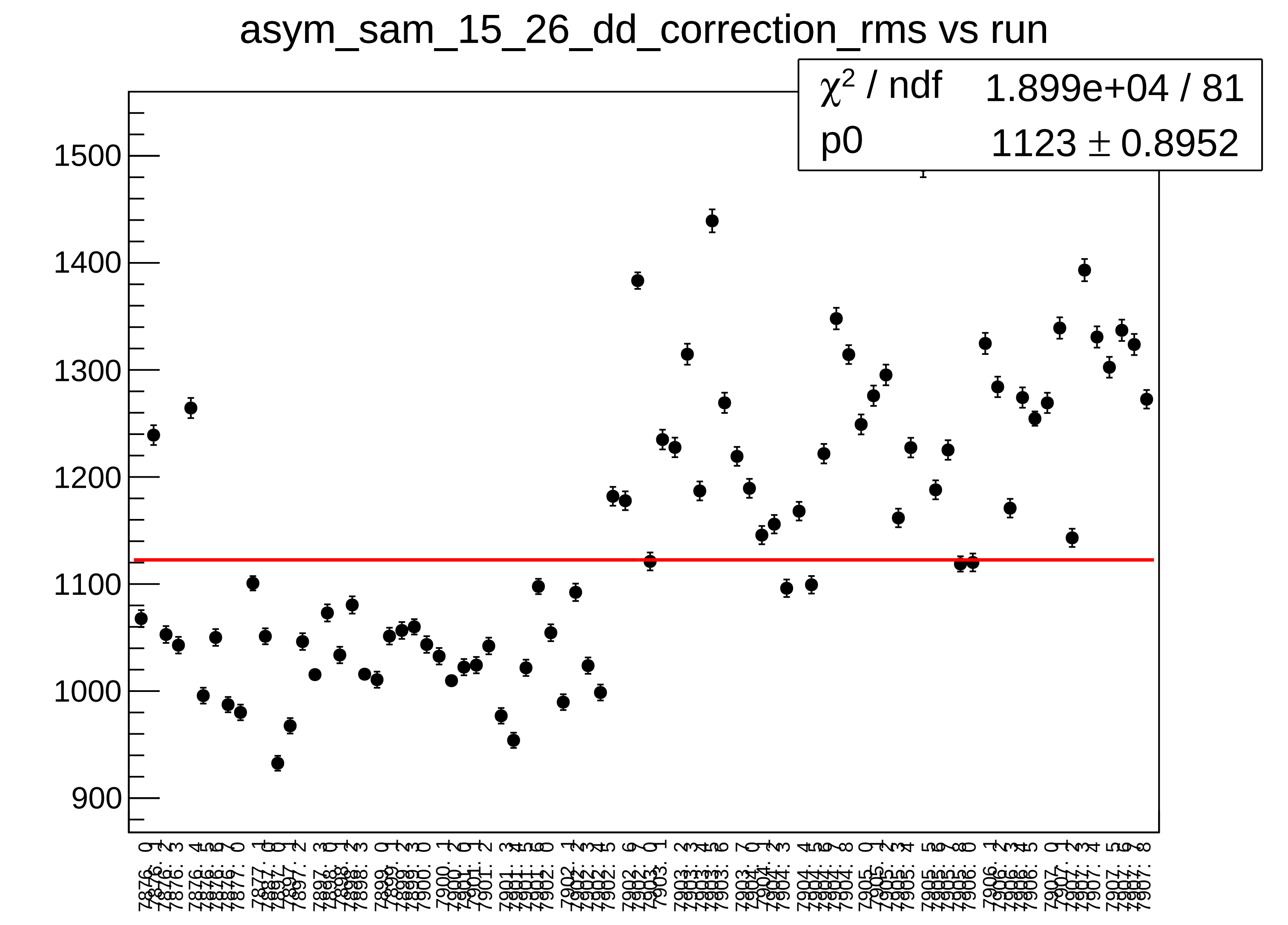
asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.608e+04 / 81
p0 404.6 ± 0.3224
800
700
600
500
400
300


dit_asym_sam_15_26_dd_mean vs run
χ2 / ndf 76.55 / 81
p0 −13.29 ± 147.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −228.4
Std Dev 260.2
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01296
Std Dev 0.9661
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

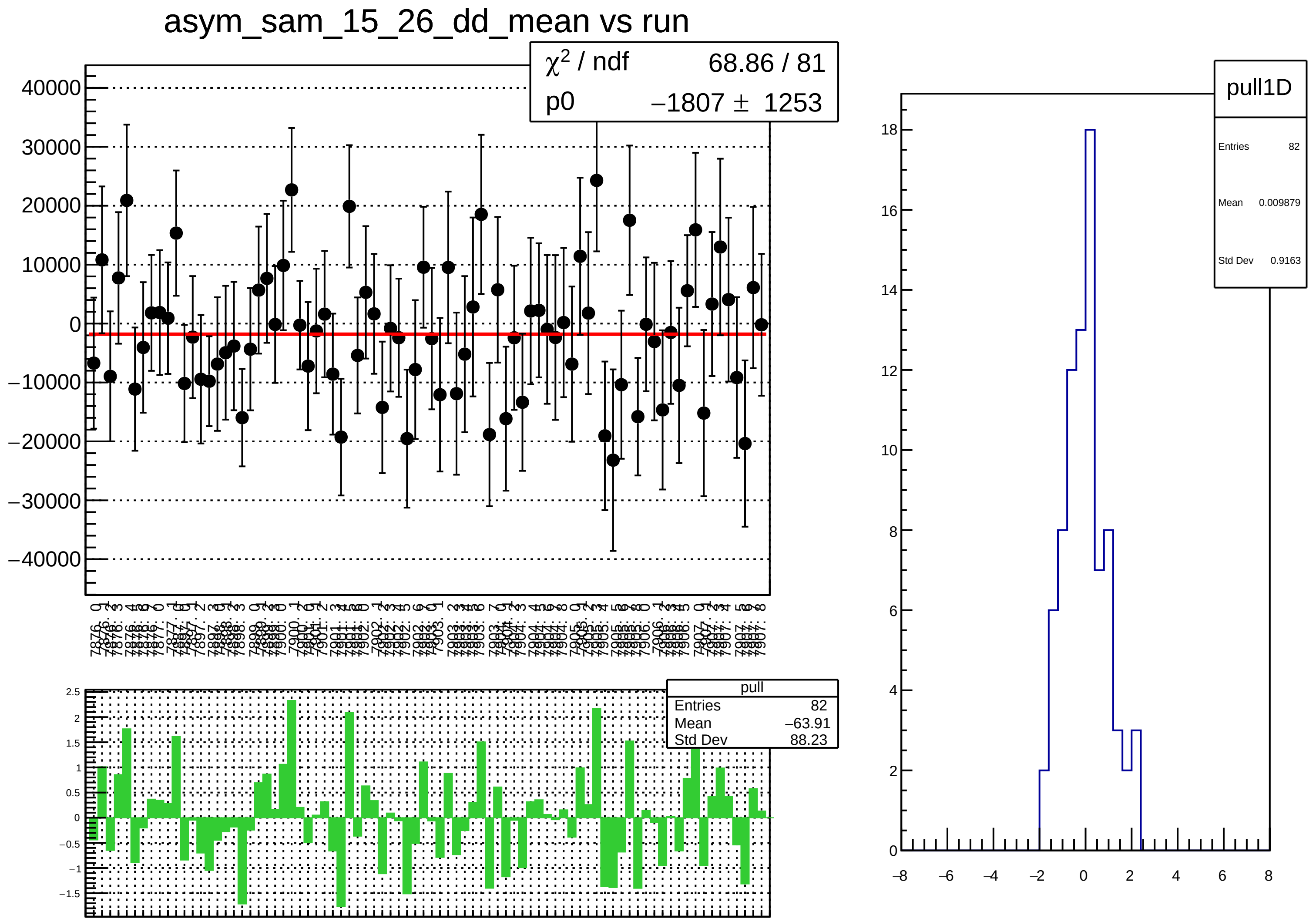

dit_asym_sam_15_26_dd_rms vs run
χ2 / ndf 2.153e+04 / 81
p0 130.3 ± 0.104
190
180
170
160
150
140
130
120
110
100

asym_sam_15_26_dd_correction_mean vs run

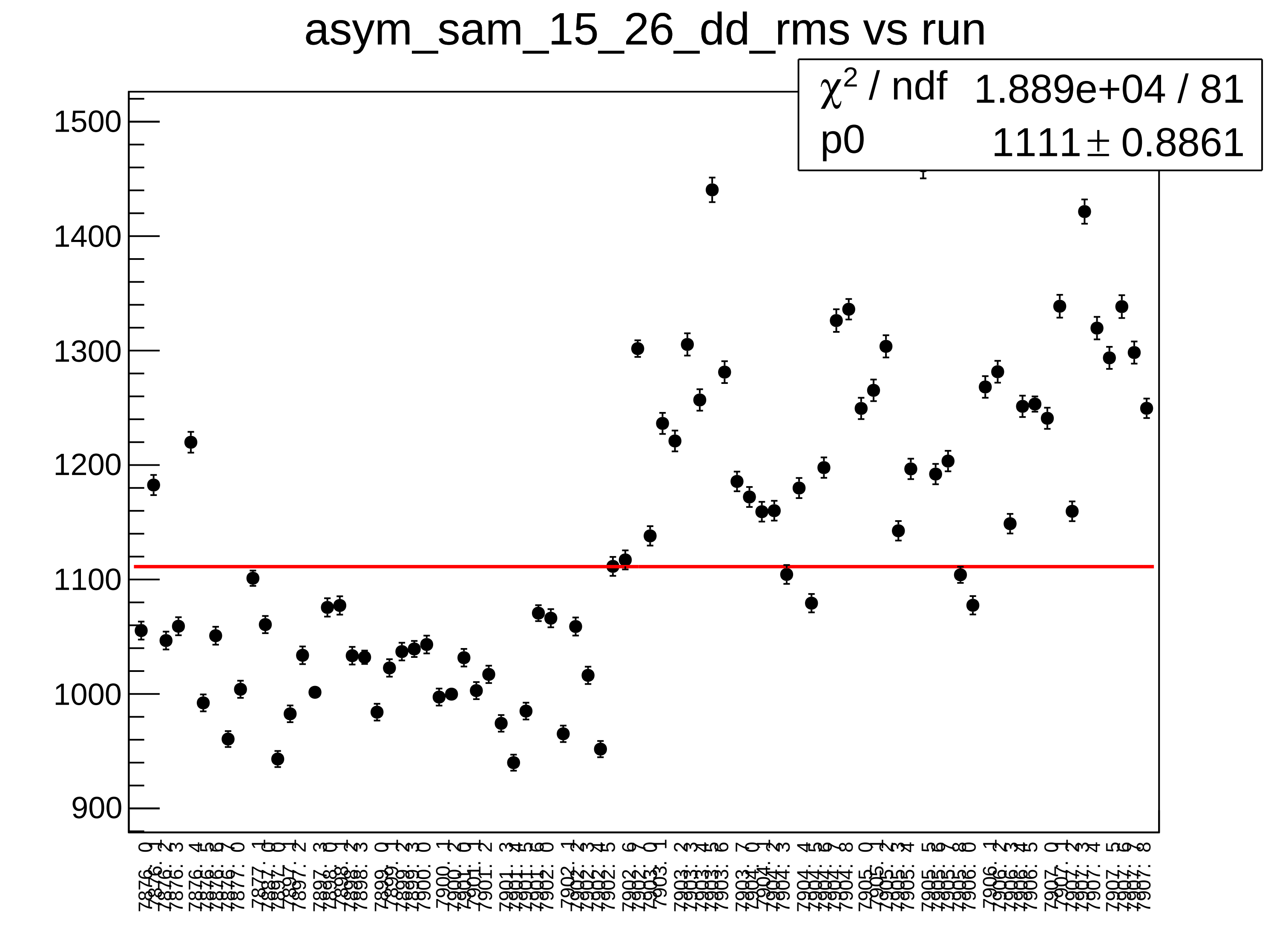


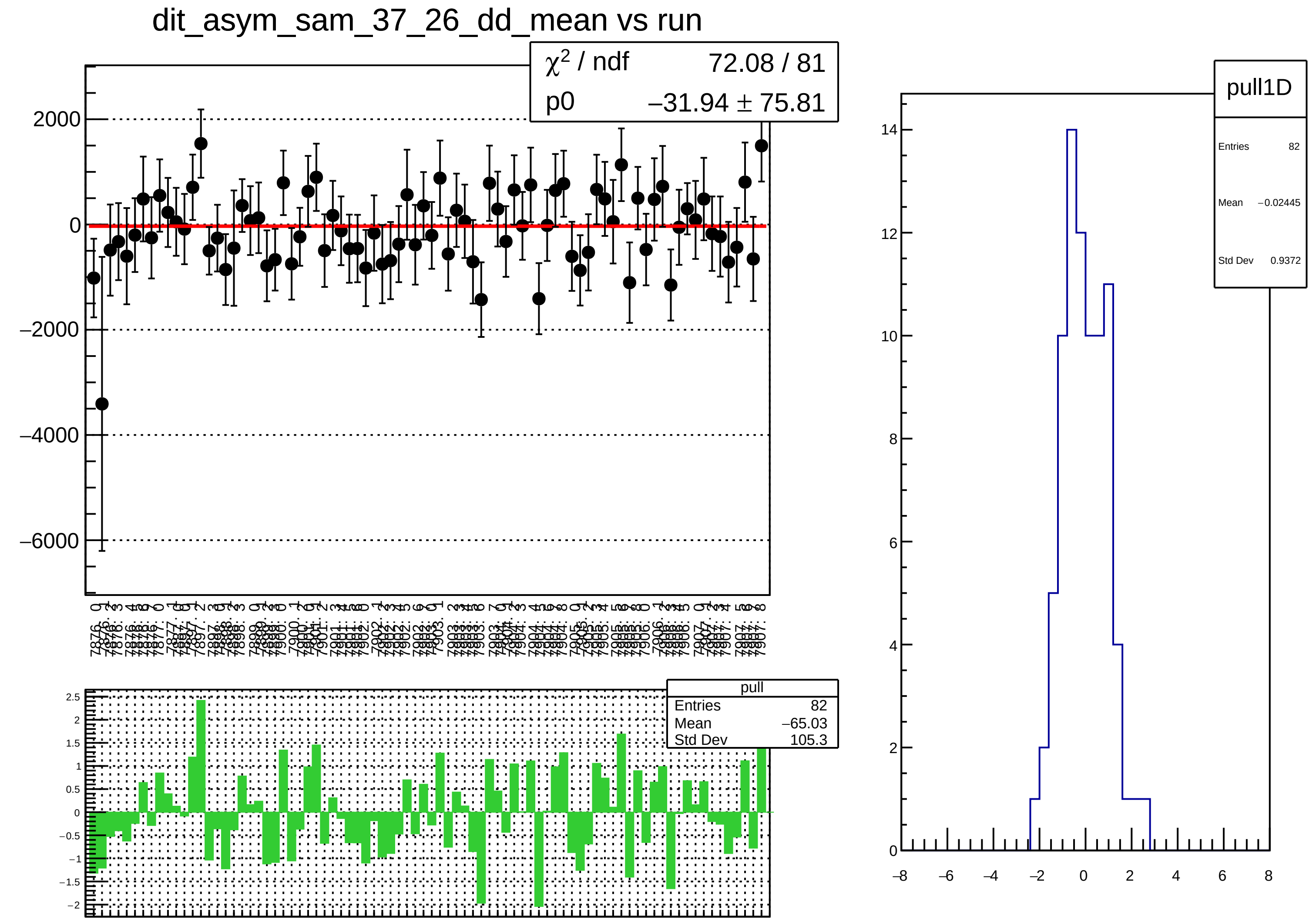


asym_sam_15_26_dd_correction_rms vs run
χ2 / ndf 1.899e+04 / 81
p0 1123 ± 0.8952
1500
1400
1300
1200
1100
1000
900

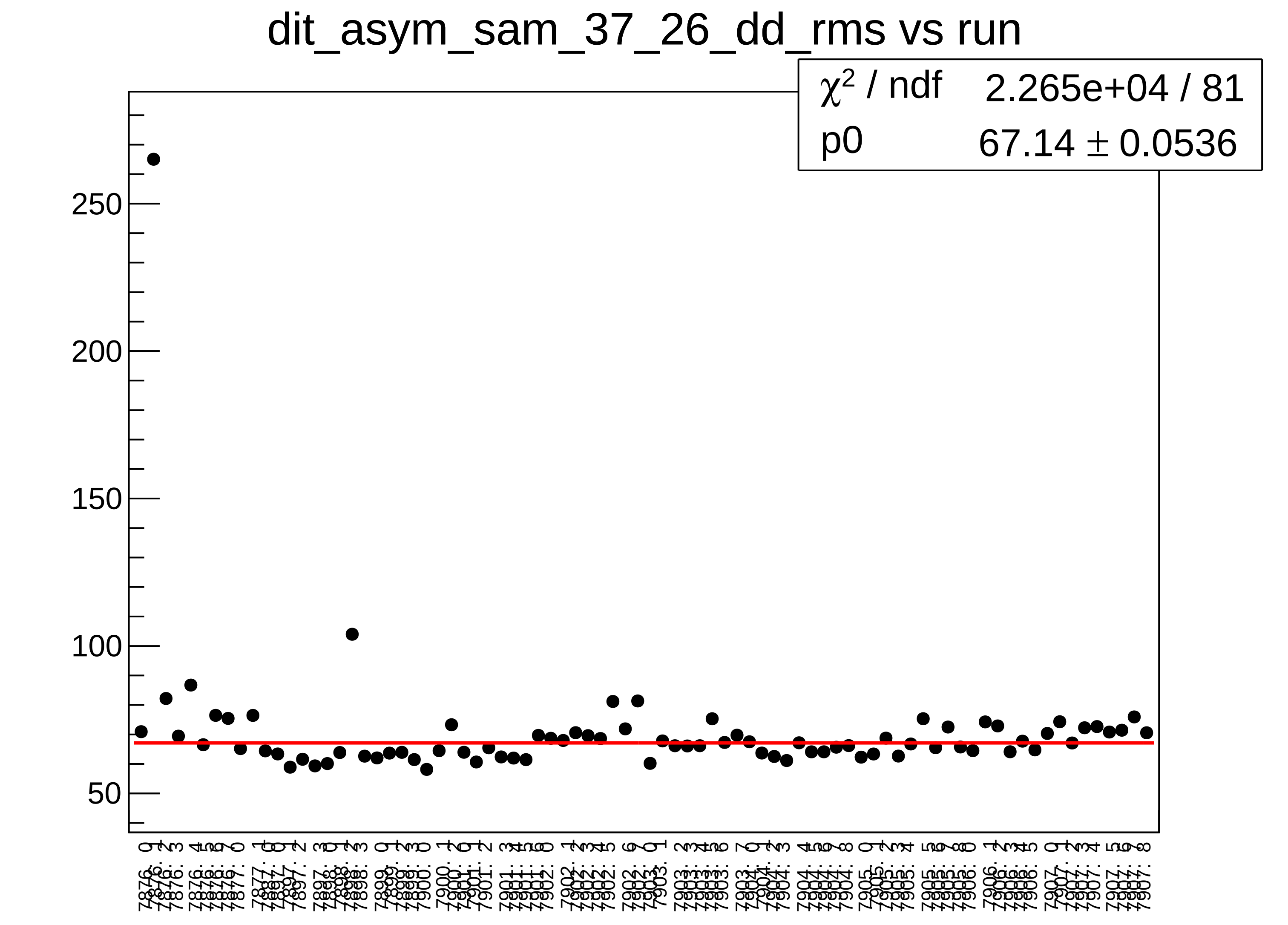


asym_sam_15_26_dd_mean vs run
χ2 / ndf 68.86 / 81
p0 −1807 ± 1253
pull
Entries 82
Mean −63.91
Std Dev 88.23
pull1D
Entries 82
Mean 0.009879
Std Dev 0.9163

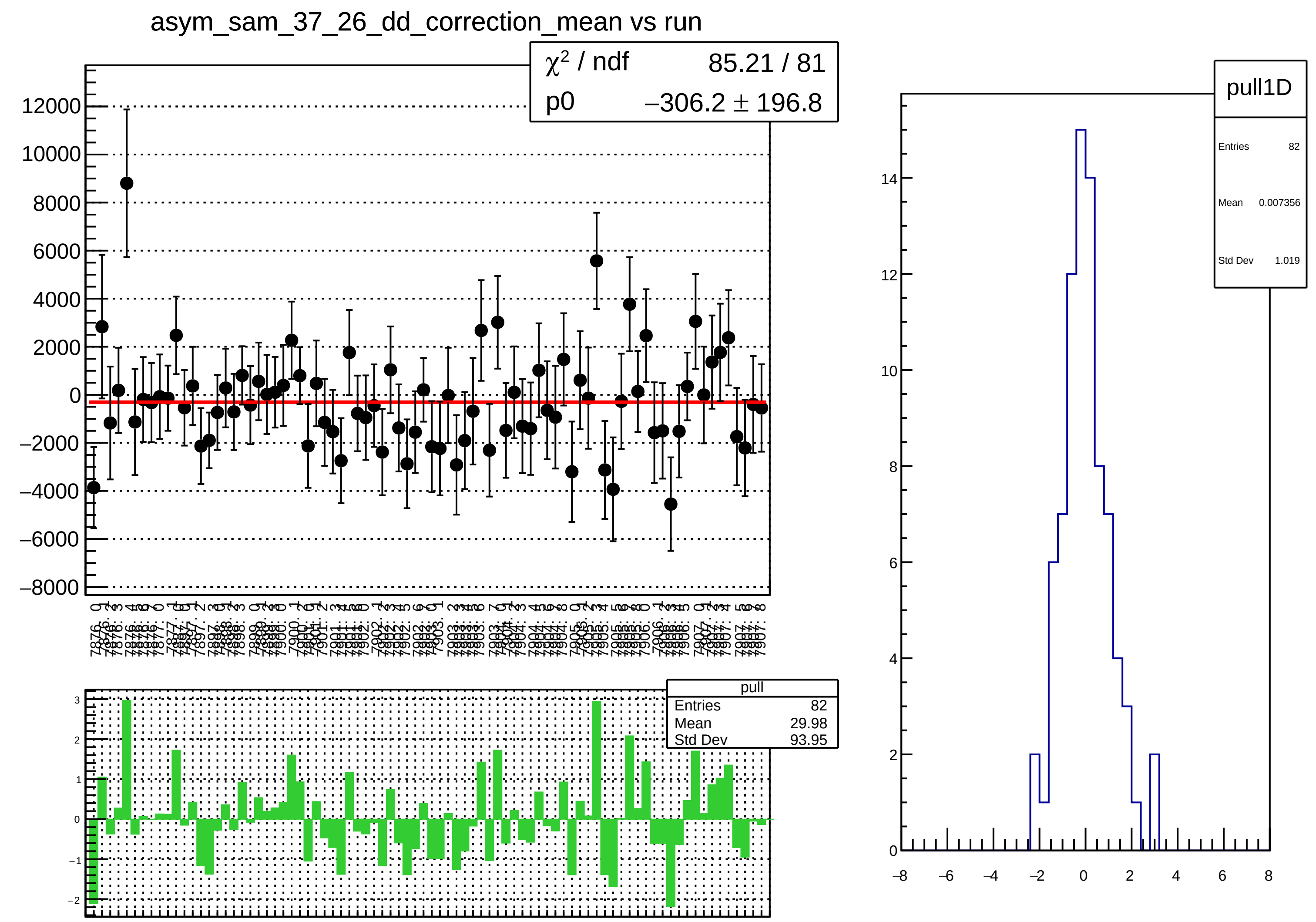

asym_sam_15_26_dd_rms vs run
χ2 / ndf 1.889e+04 / 81
p0 1111 ± 0.8861
1500
1400
1300
1200
1100
1000
900

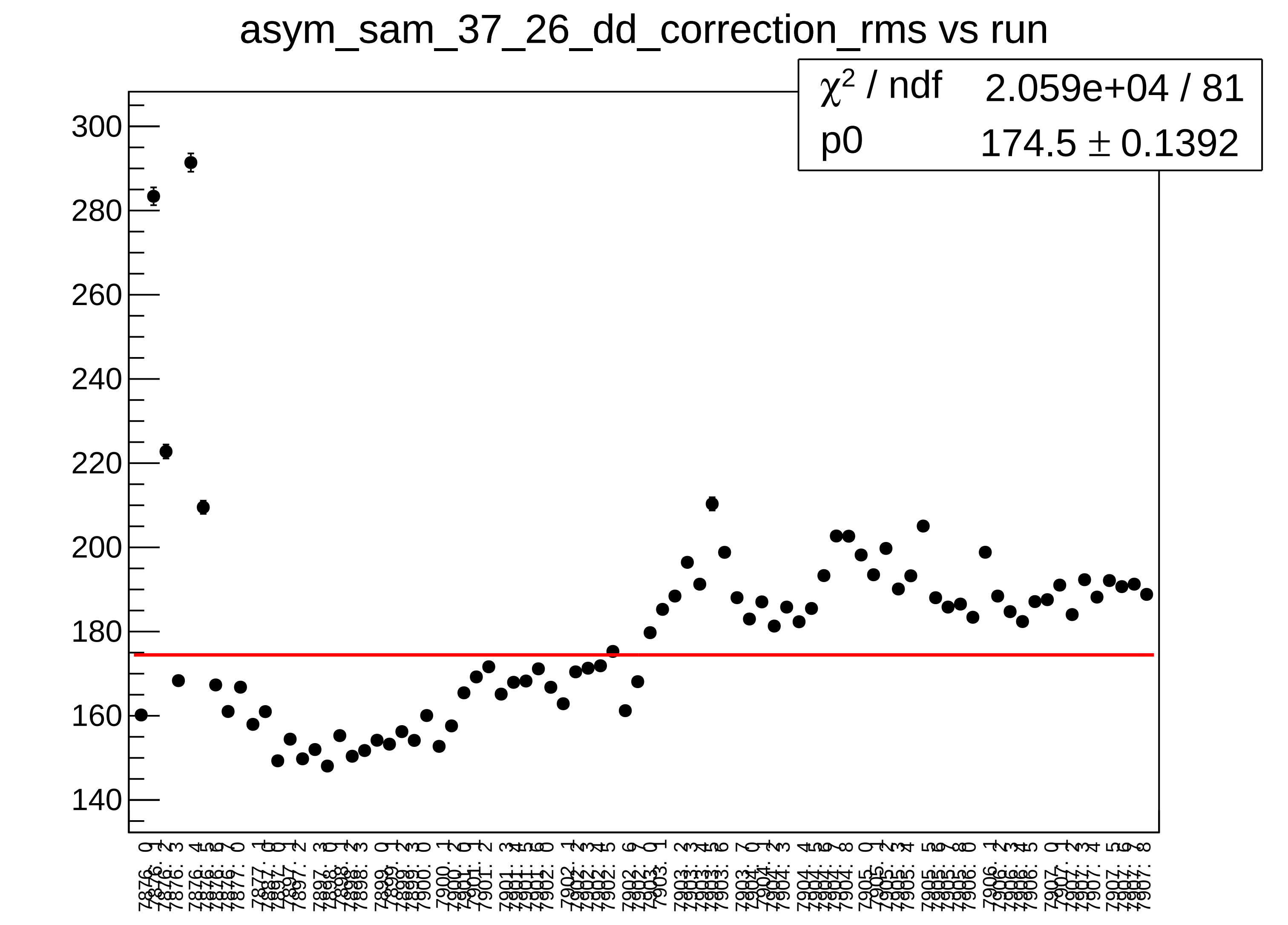


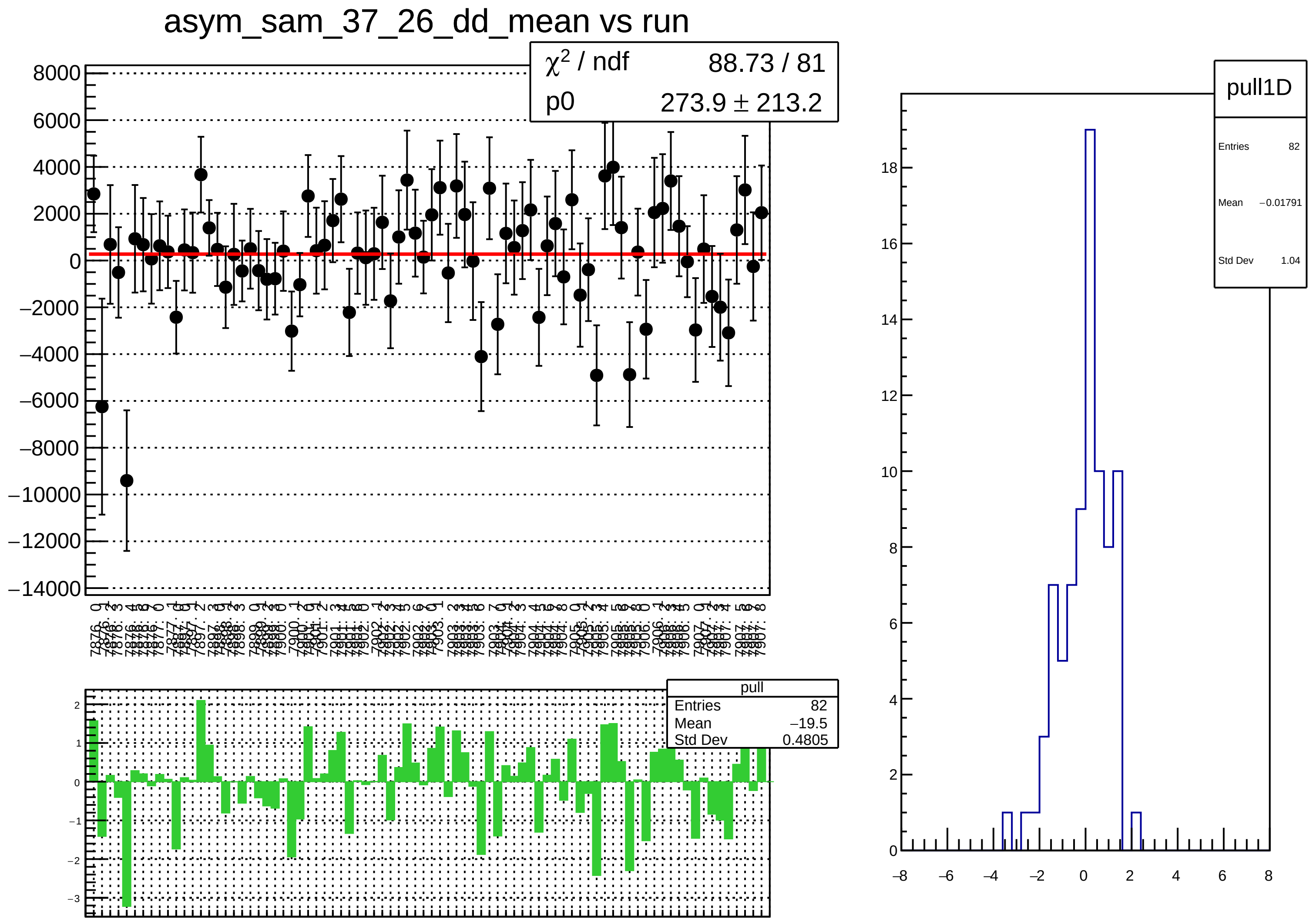
dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 72.08 / 81
p0 −31.94 ± 75.81
pull
Entries 82
Mean −65.03
Std Dev 105.3
pull1D
Entries 82
Mean −0.02445
Std Dev 0.9372

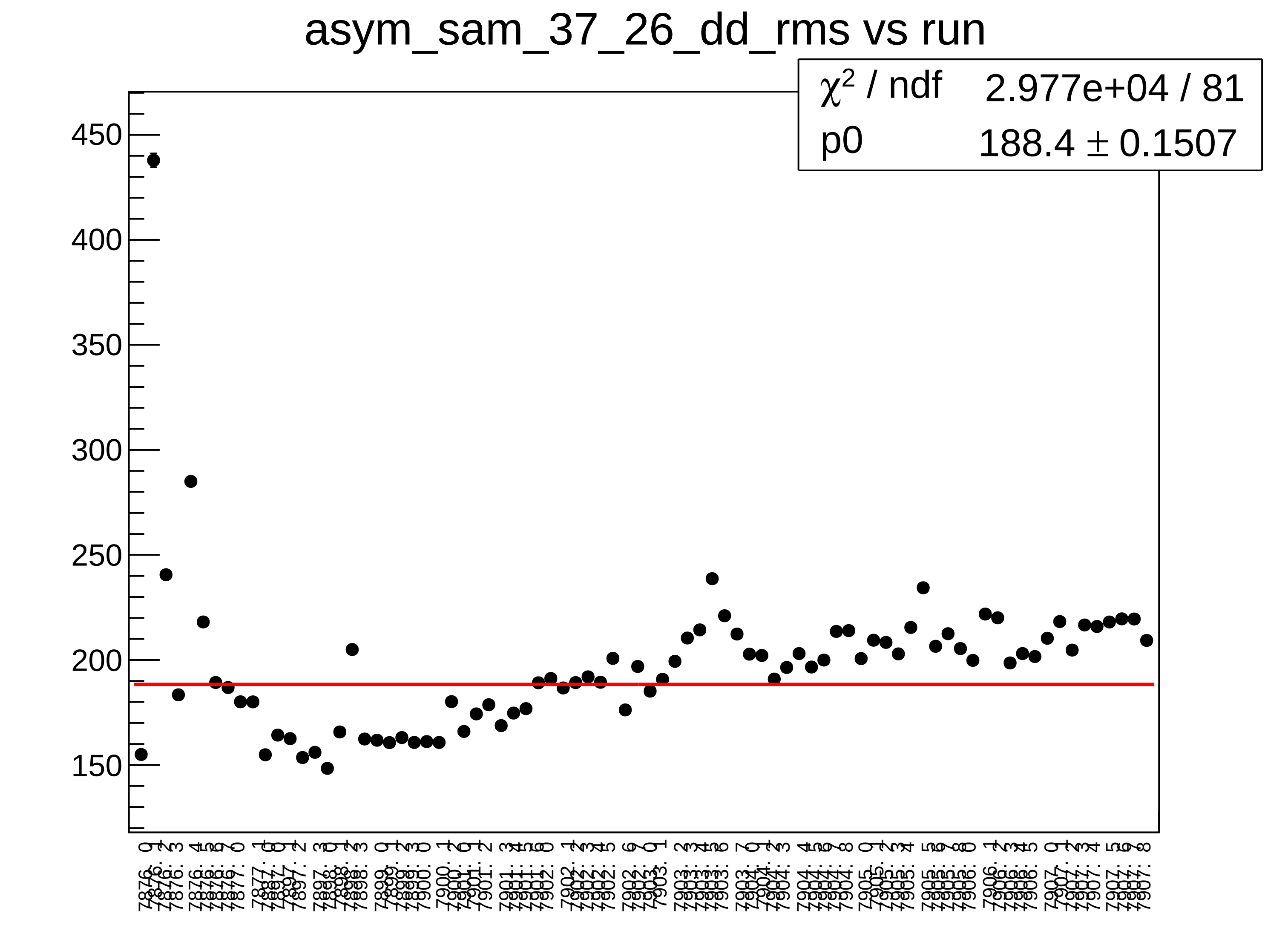


dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2.265e+04 / 81
p0 67.14 ± 0.0536
250
200
150
100
50

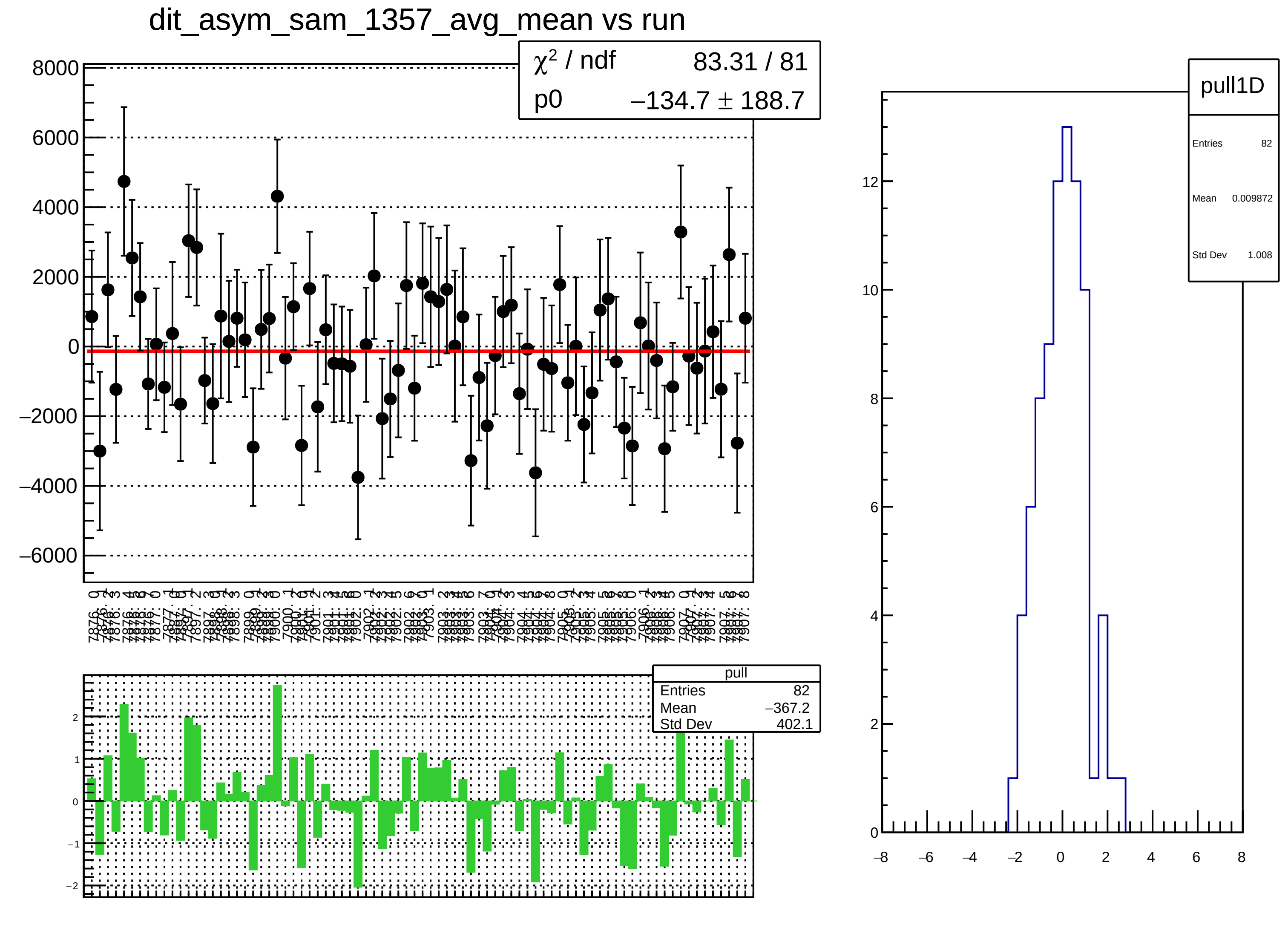

asym_sam_37_26_dd_correction_mean vs run
χ2 / ndf 85.21 / 81
p0 −306.2 ± 196.8
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 82
Mean 29.98
Std Dev 93.95
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.007356
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 2.059e+04 / 81
p0 174.5 ± 0.1392

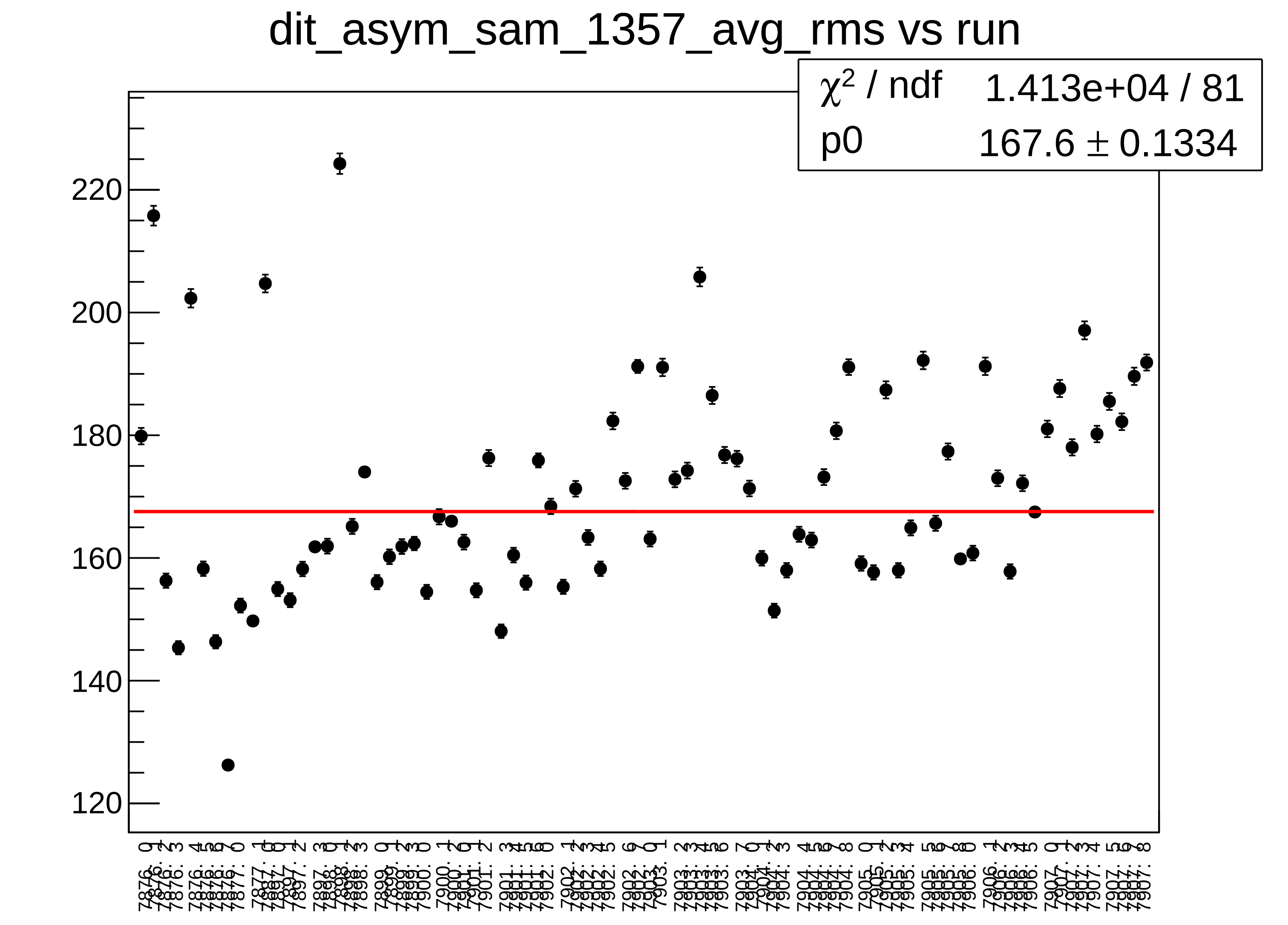

asym_sam_37_26_dd_mean vs run
χ2 / ndf 88.73 / 81
p0 273.9 ± 213.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
pull
Entries 82
Mean −19.5
Std Dev 0.4805
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01791
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

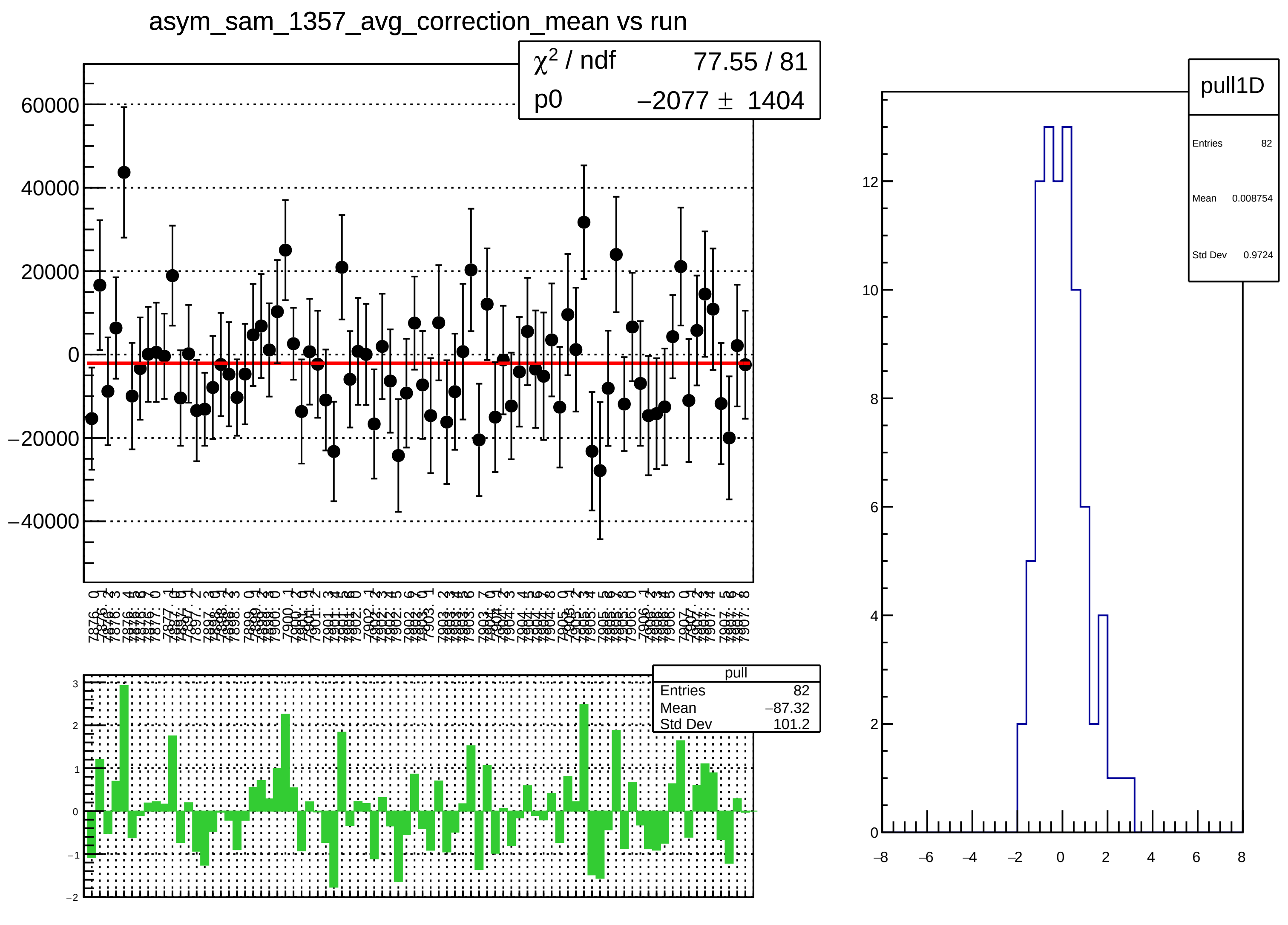


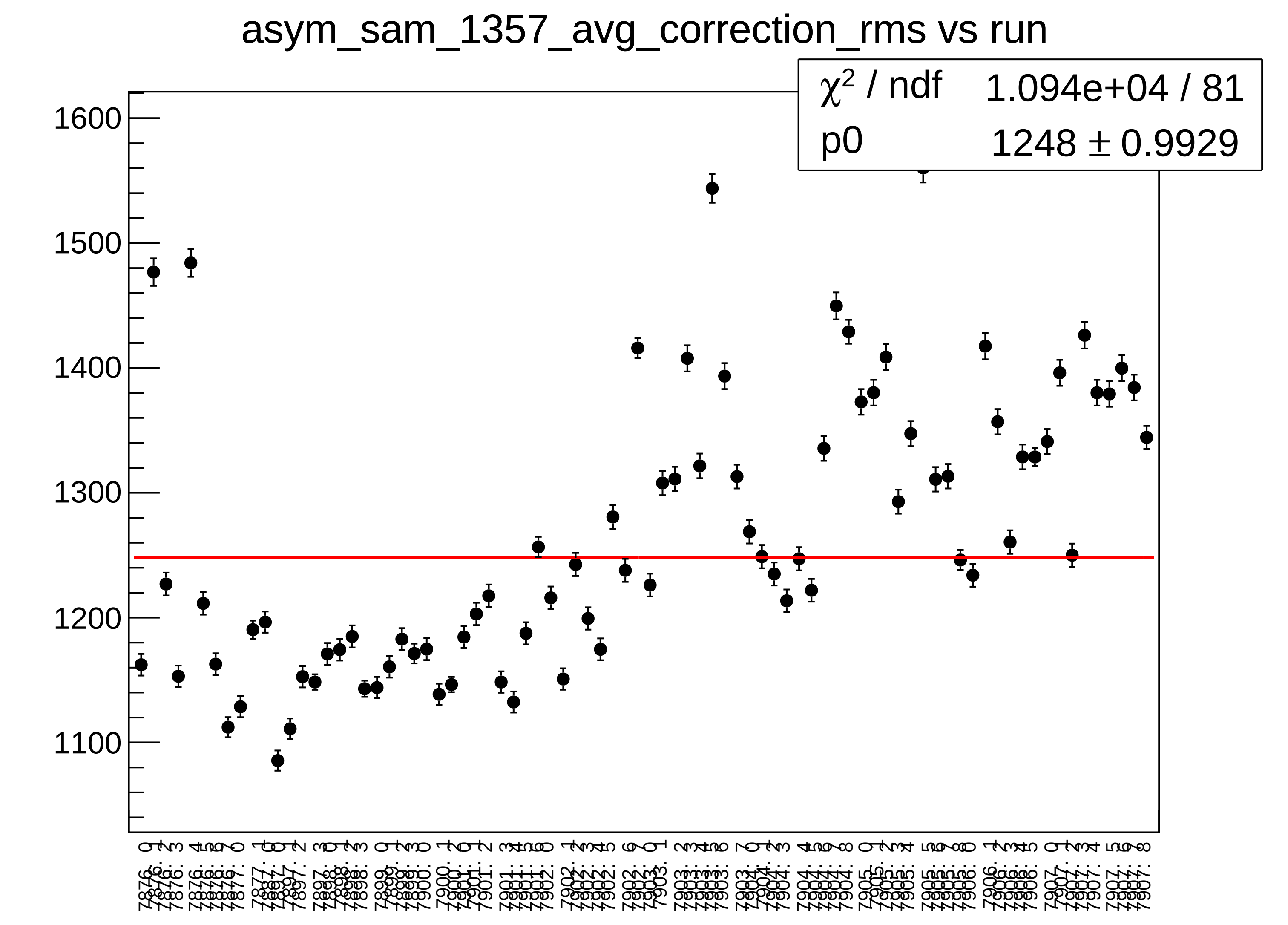
asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2.977e+04 / 81
p0 188.4 ± 0.1507
450
400
350
300
250
200
150



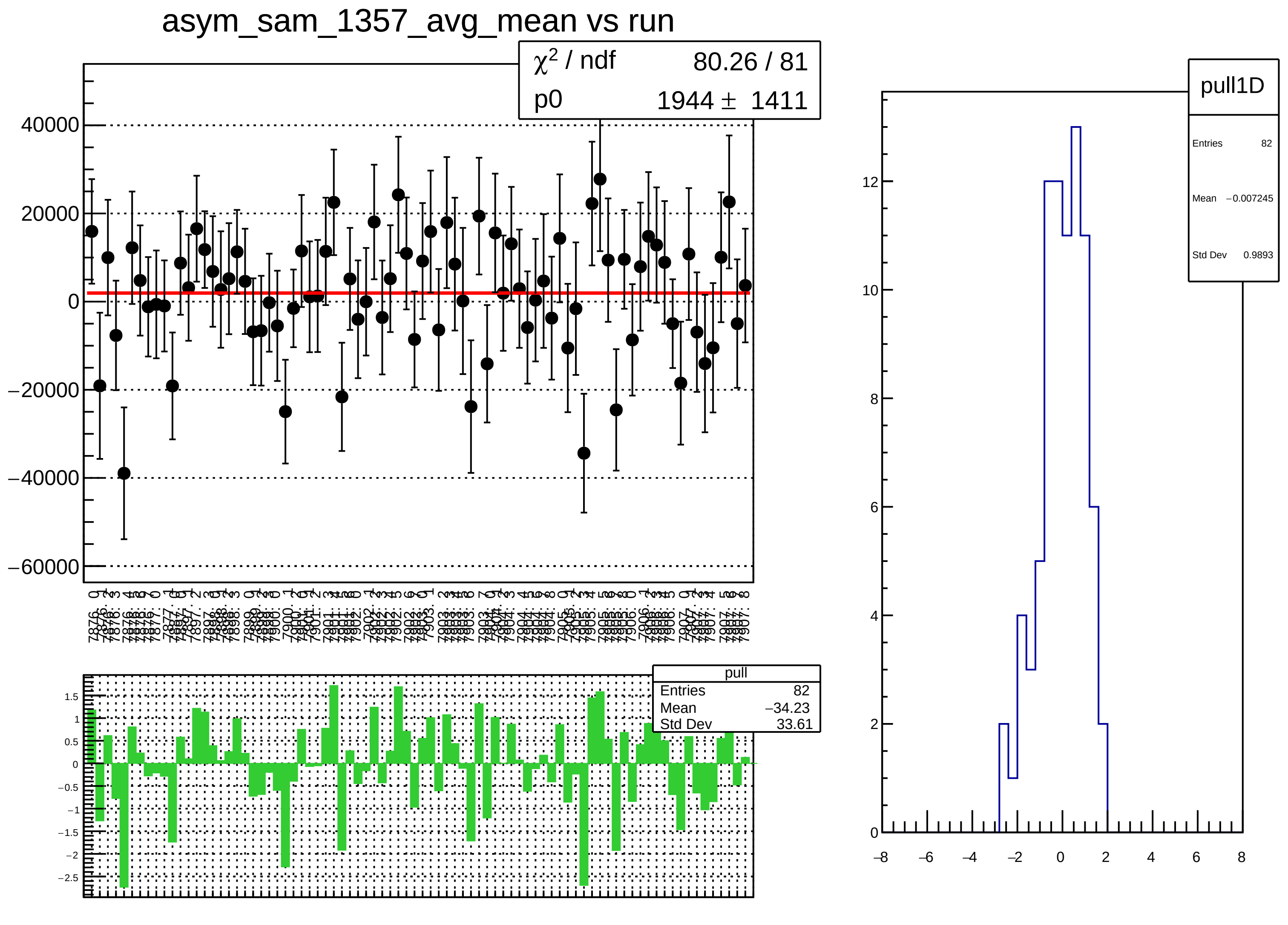
dit_asym_sam_1357_avg_mean vs run
χ2 / ndf 83.31 / 81
p0 −134.7 ± 188.7
pull
Entries 82
Mean −367.2
Std Dev 402.1
pull1D
Entries 82
Mean 0.009872
Std Dev 1.008

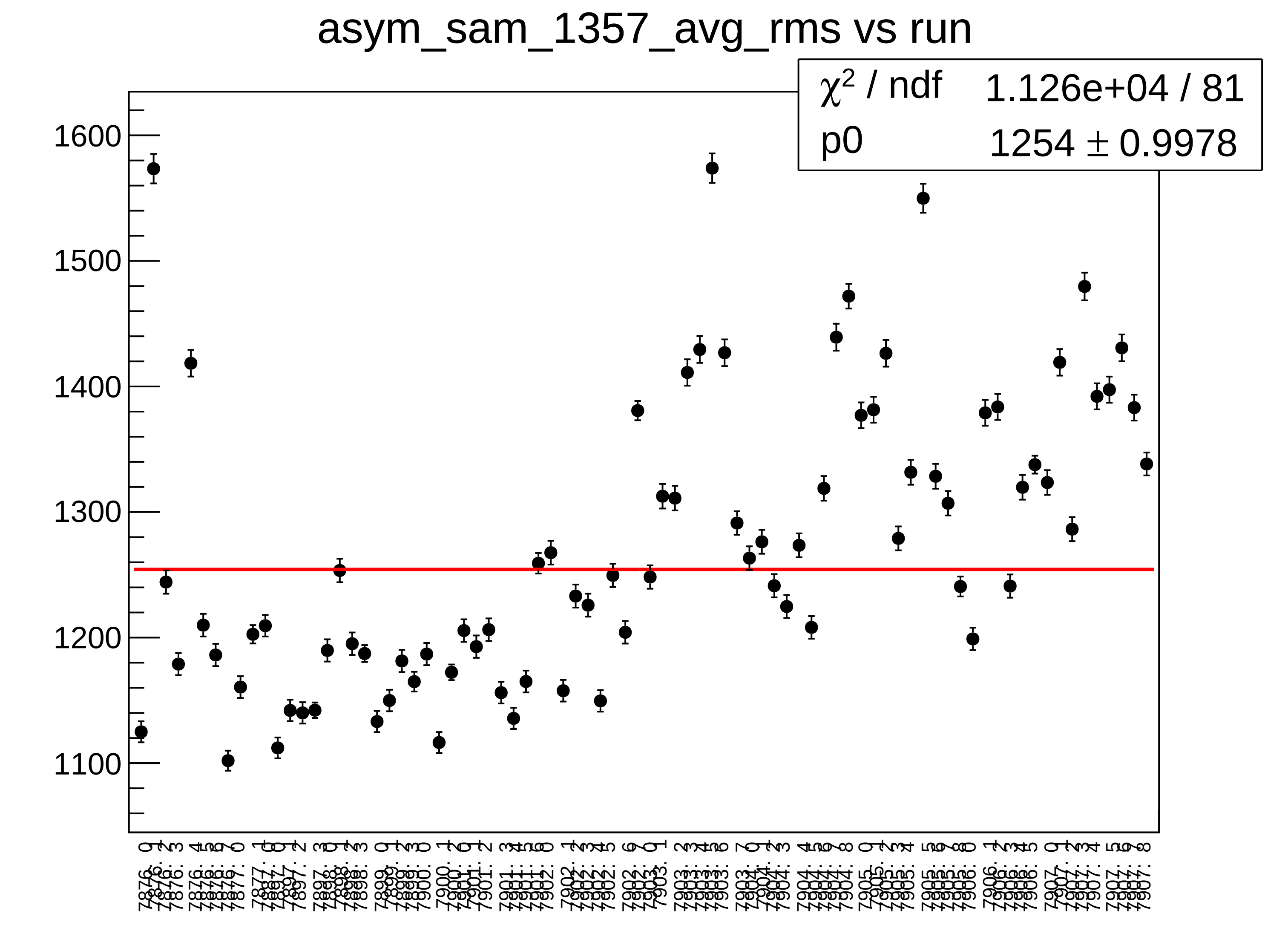

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.413e+04 / 81
p0 167.6 ± 0.1334
220
200
180
160
140
120

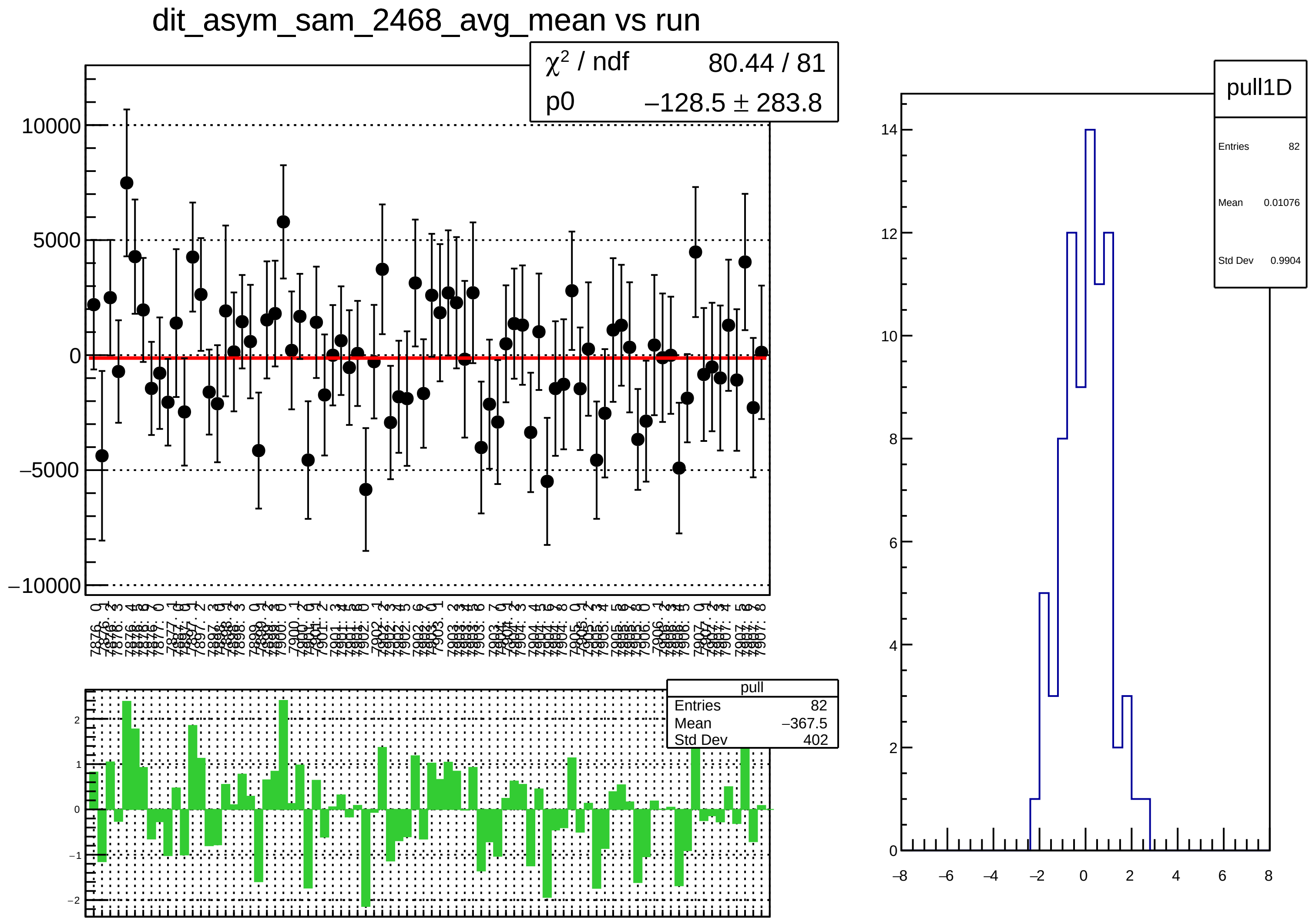

asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 77.55 / 81
p0 −2077 ± 1404
pull
Entries 82
Mean −87.32
Std Dev 101.2
pull1D
Entries 82
Mean 0.008754
Std Dev 0.9724



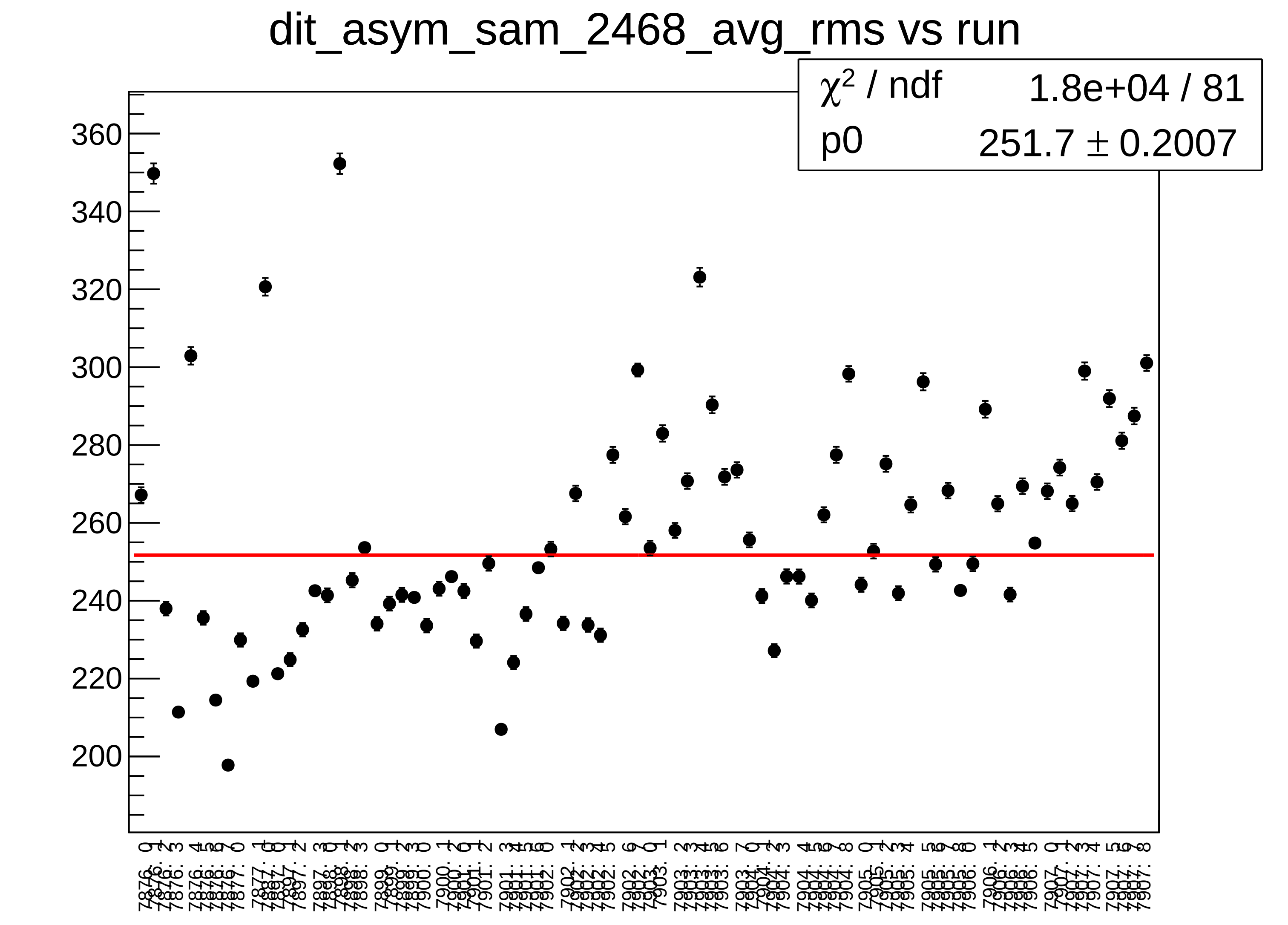
asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 1.094e+04 / 81
p0 1248 ± 0.9929
1600
1500
1400
1300
1200
1100


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

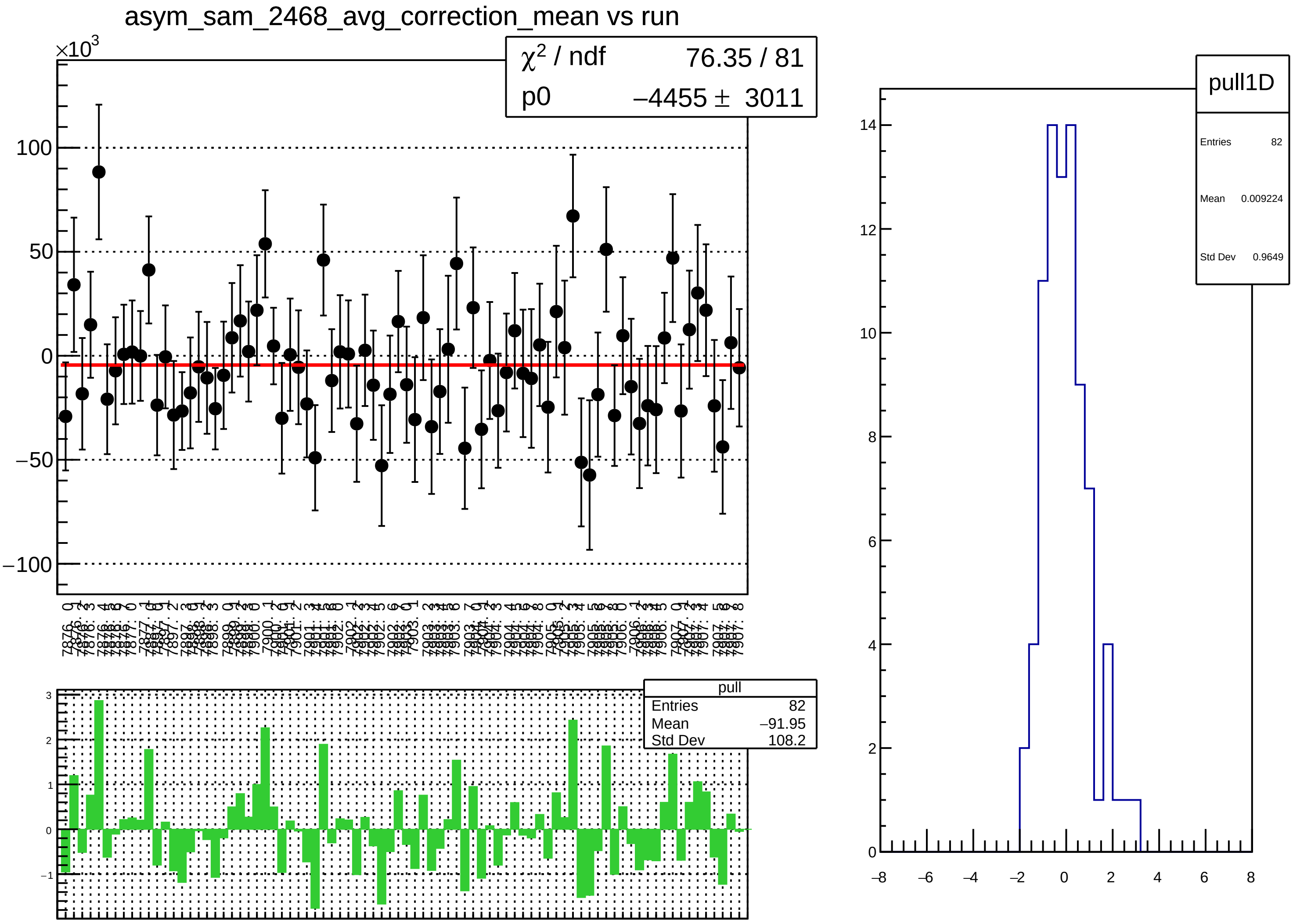




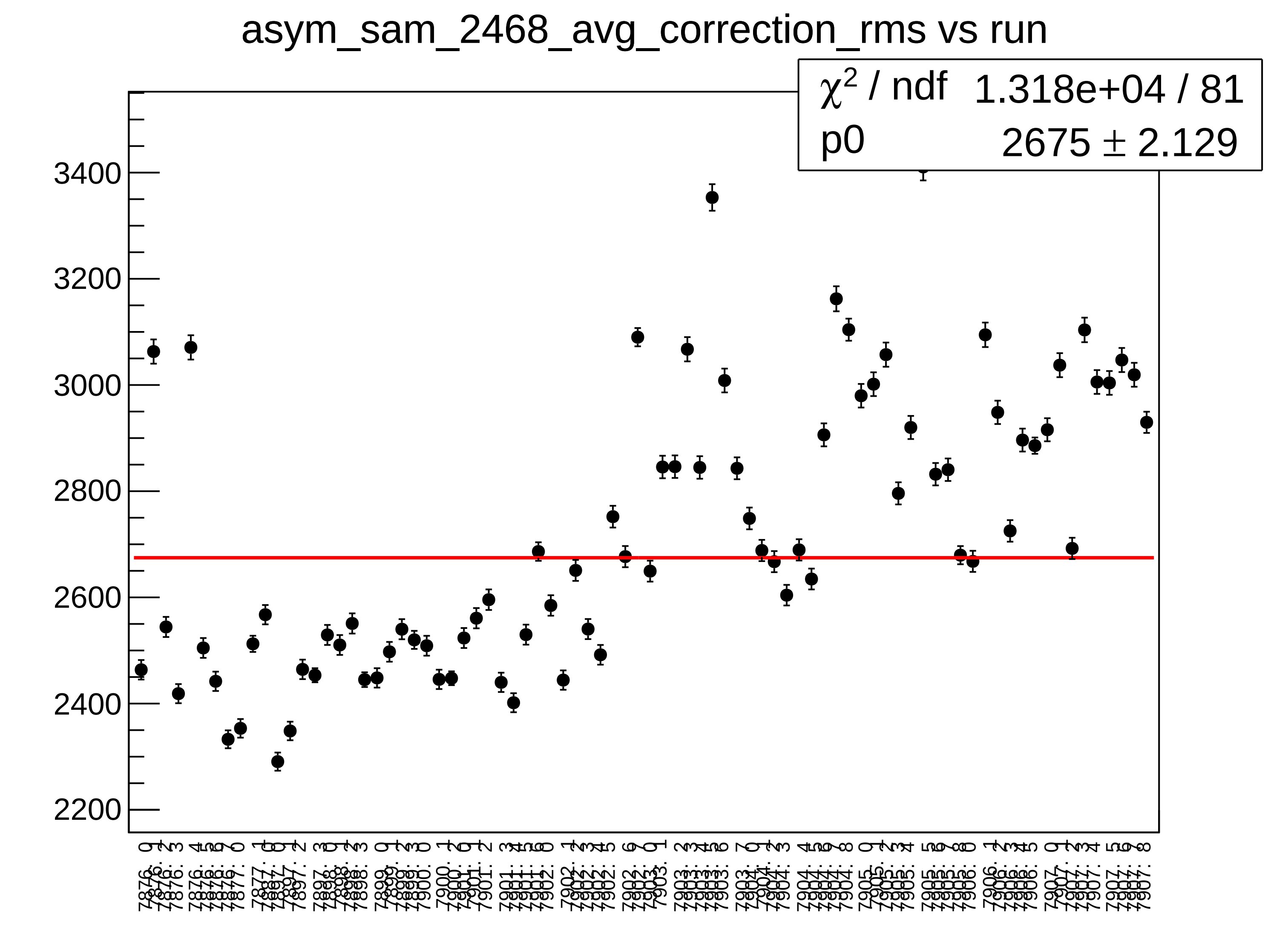
dit_asym_sam_2468_avg_mean vs run
χ2 / ndf 80.44 / 81
p0 −128.5 ± 283.8
pull
Entries 82
Mean −367.5
Std Dev 402
pull1D
Entries 82
Mean 0.01076
Std Dev 0.9904



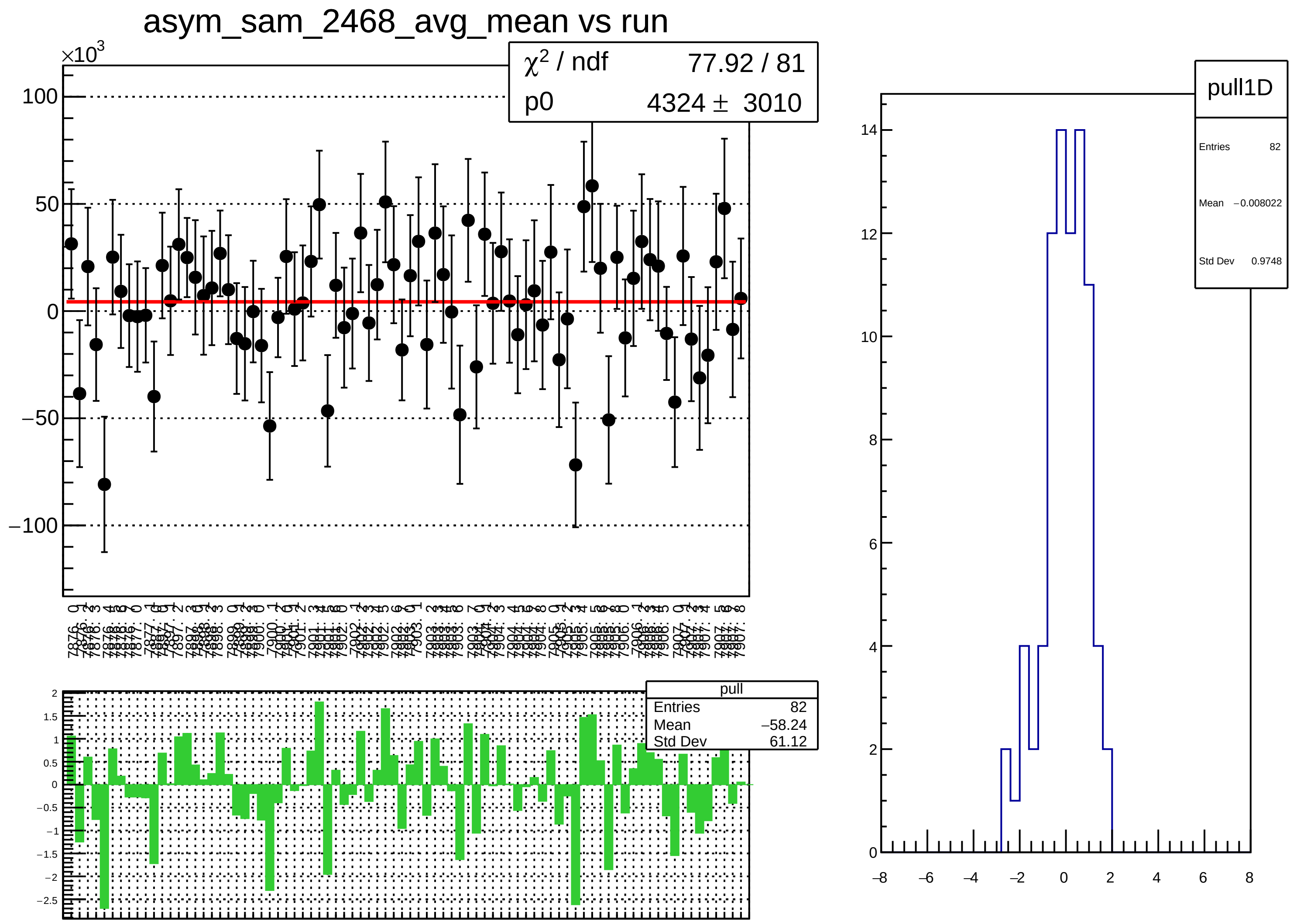
dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.8e+04 / 81
p0 251.7 ± 0.2007
360
340
320
300
280
260
240
220
200



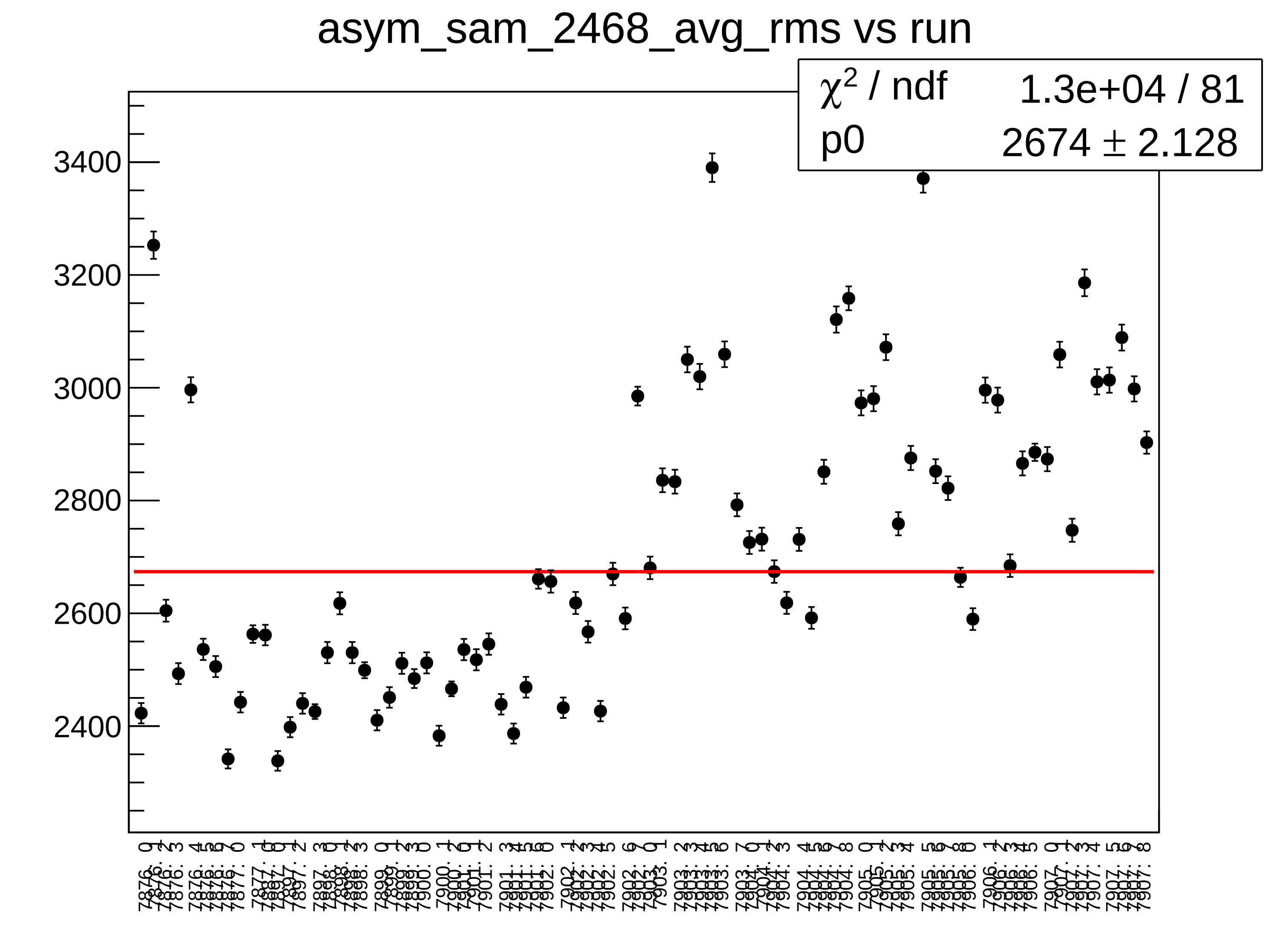
asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 76.35 / 81
p0 −4455 ± 3011
pull
Entries 82
Mean −91.95
Std Dev 108.2
pull1D
Entries 82
Mean 0.009224
Std Dev 0.9649

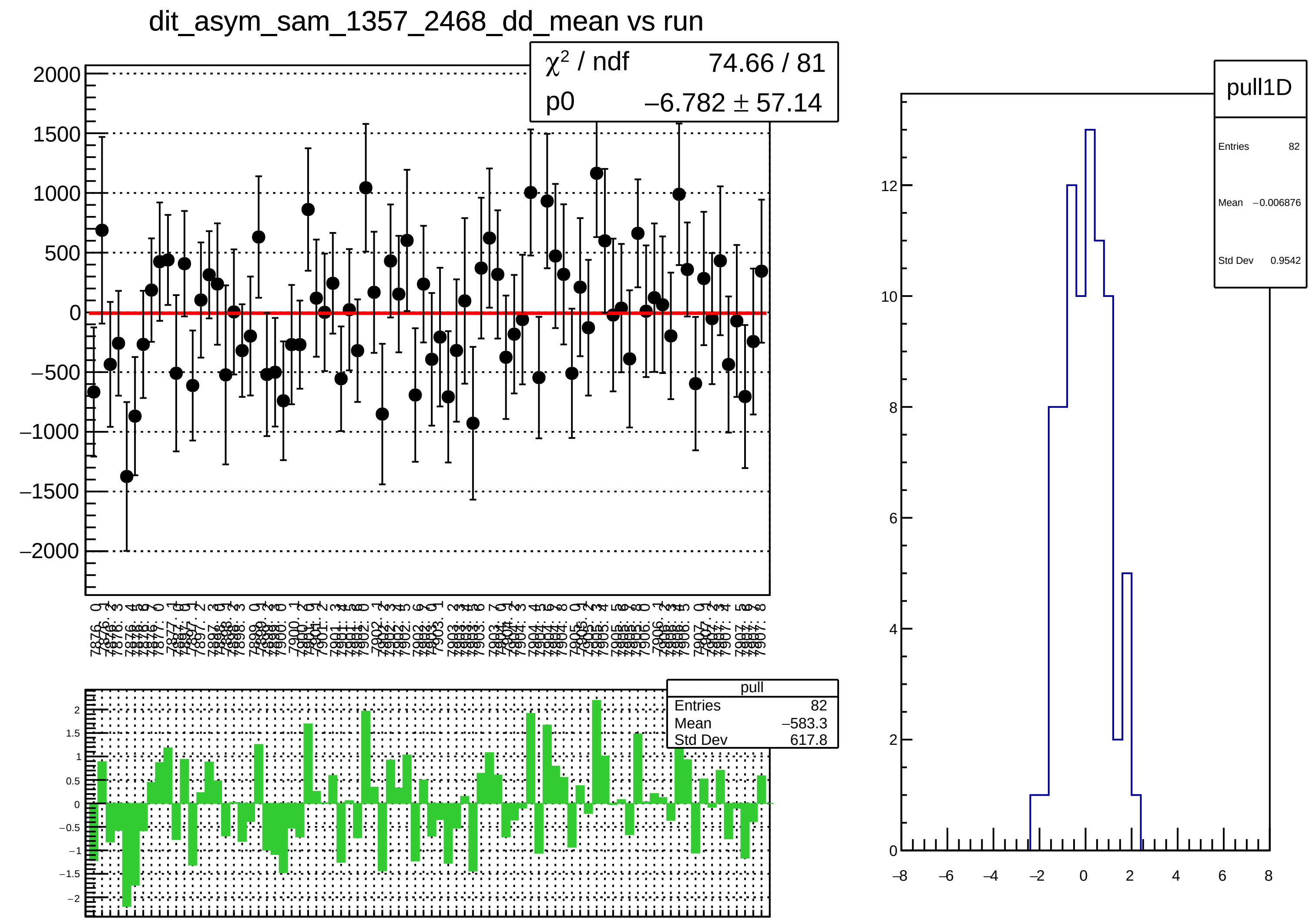


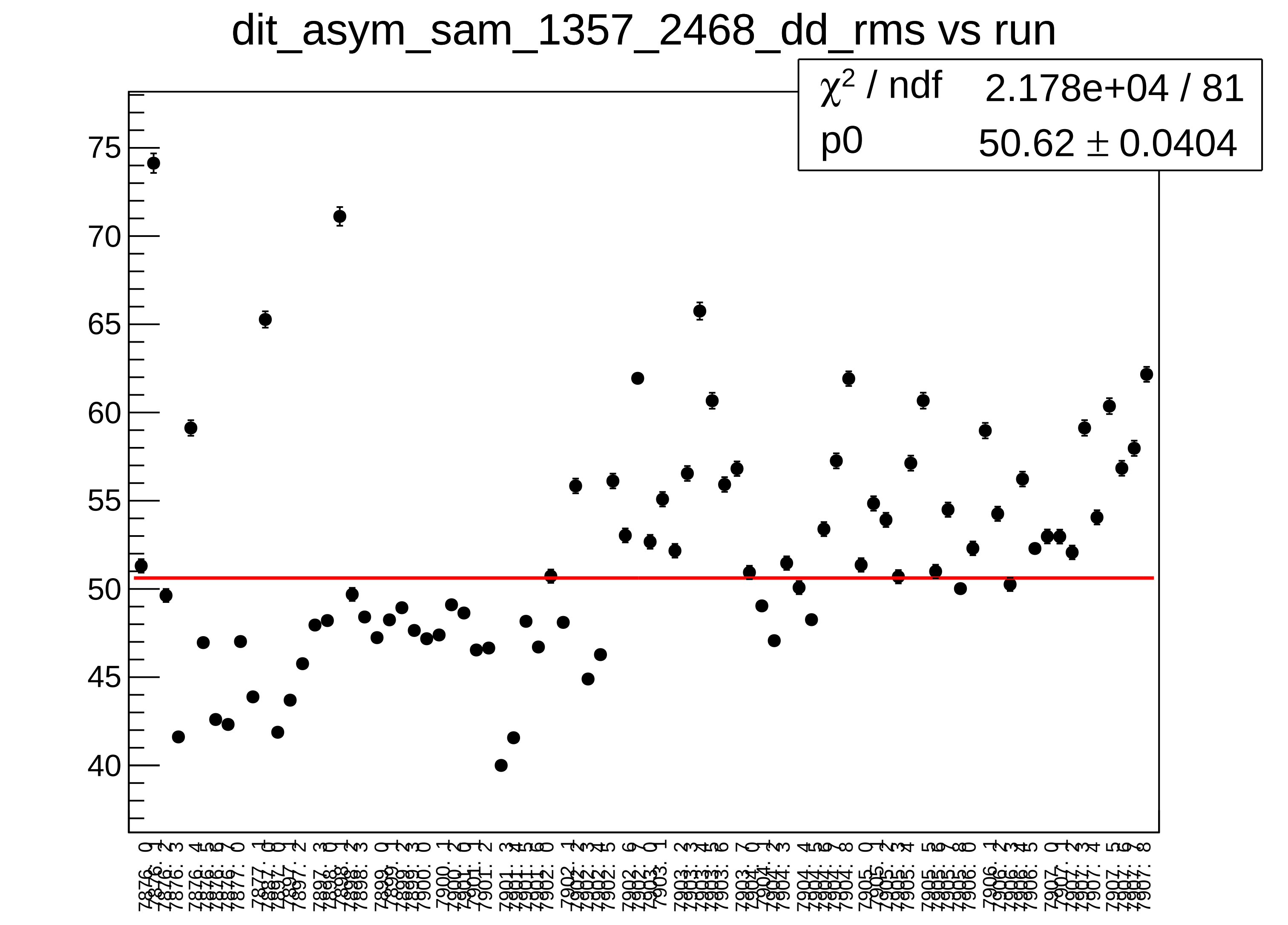
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 1.318e+04 / 81
p0 2675 ± 2.129
3400
3200
3000
2800
2600
2400
2200



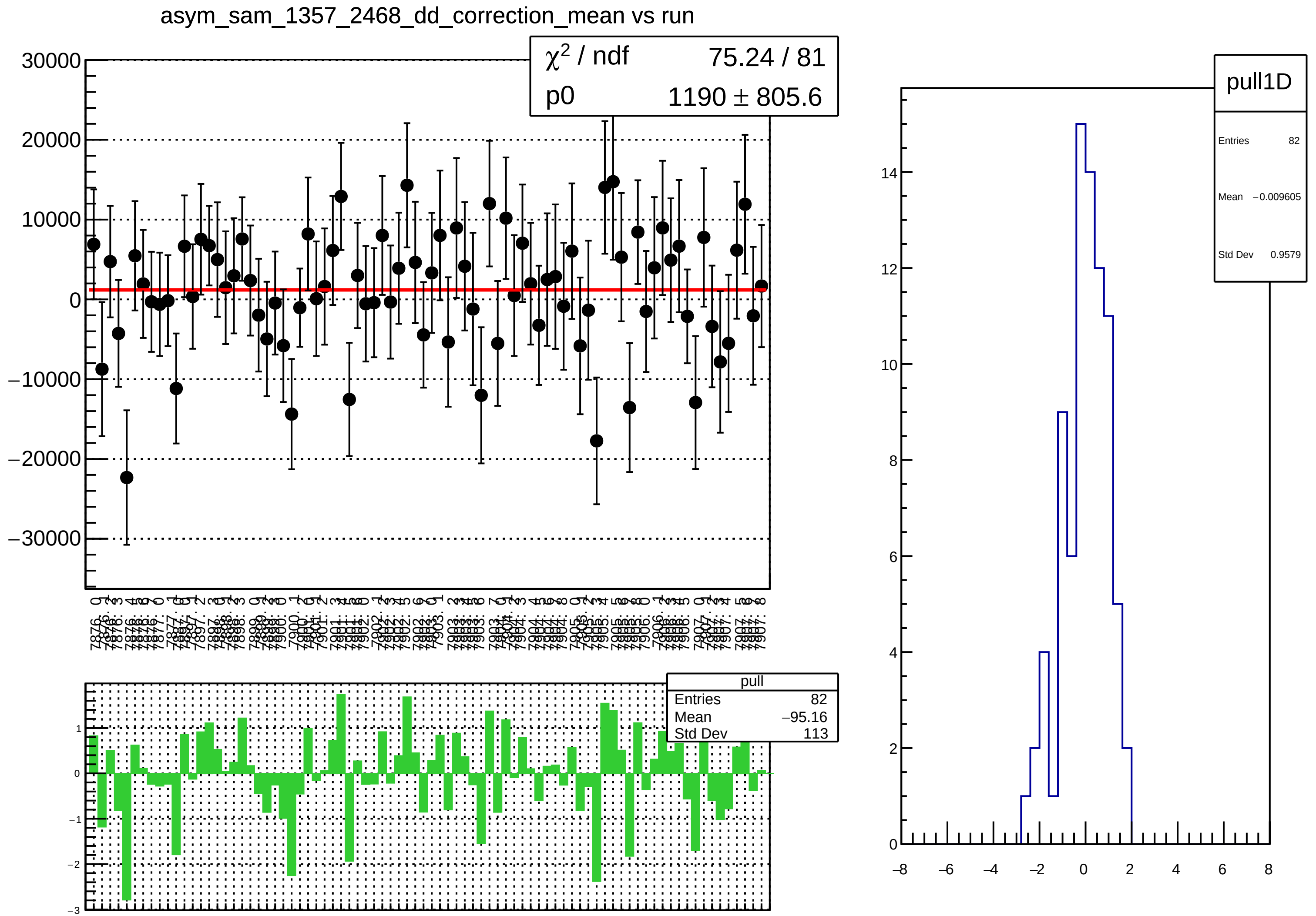
asym_sam_2468_avg_mean vs run
χ2 / ndf 77.92 / 81
p0 4324 ± 3010
pull
Entries 82
Mean −58.24
Std Dev 61.12
pull1D
Entries 82
Mean −0.008022
Std Dev 0.9748


asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.3e+04 / 81
p0 2674 ± 2.128
3400
3200
3000
2800
2600
2400

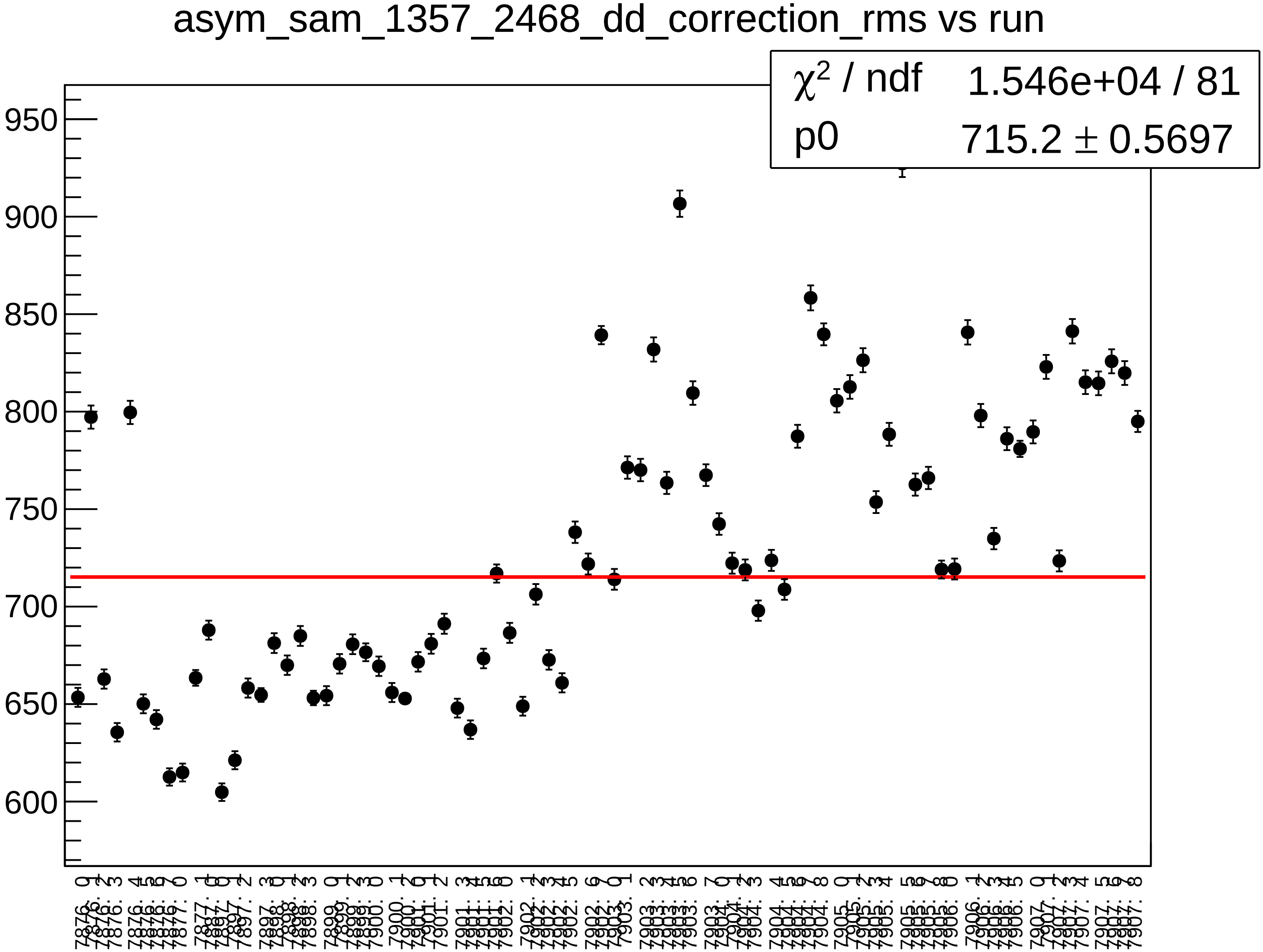

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 74.66 / 81
p0 −6.782 ± 57.14
pull
Entries 82
Mean −583.3
Std Dev 617.8
pull1D
Entries 82
Mean −0.006876
Std Dev 0.9542



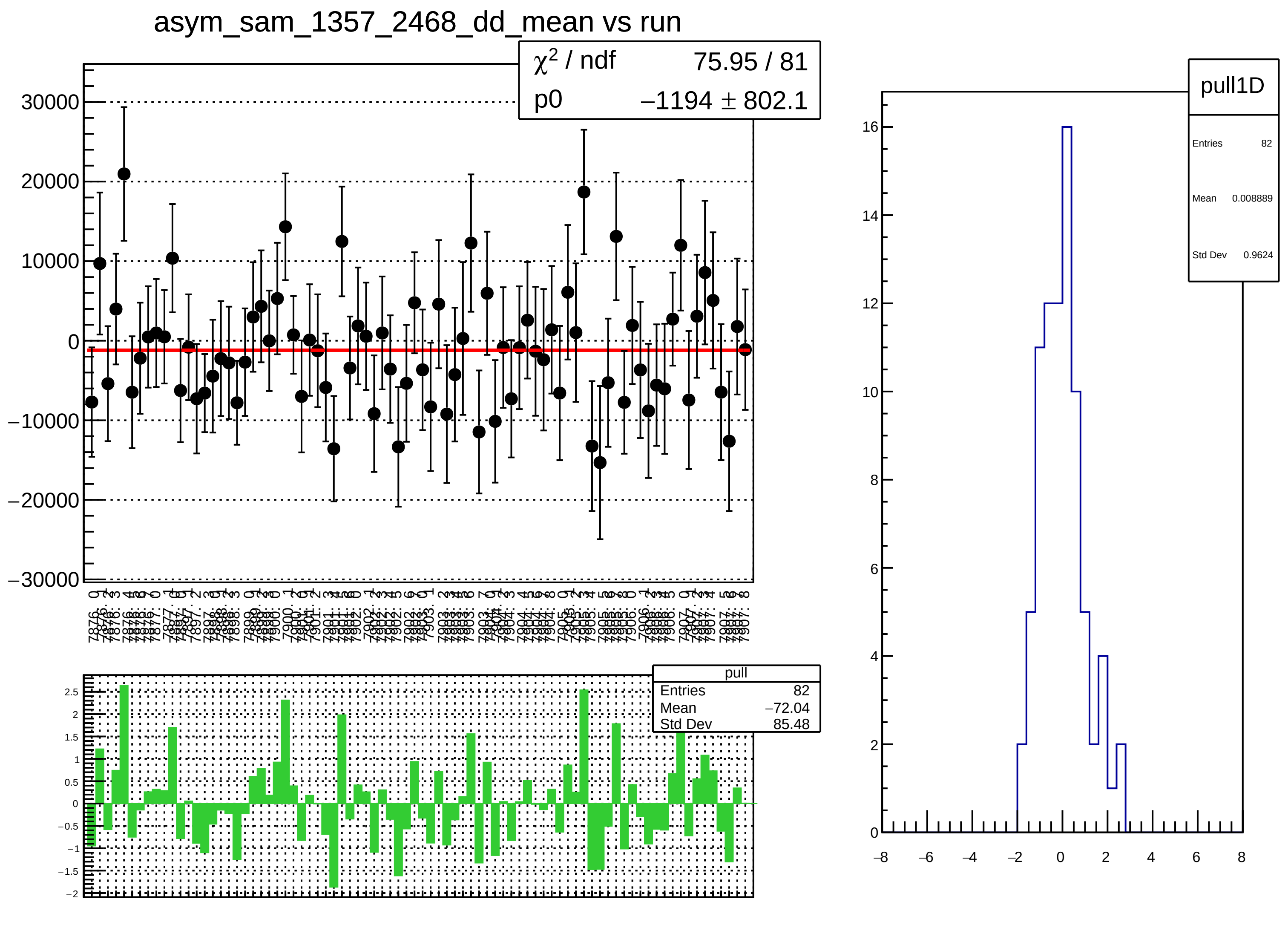
dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 2.178e+04 / 81
p0 50.62 ± 0.0404
75
70
65
60
55
50
45
40



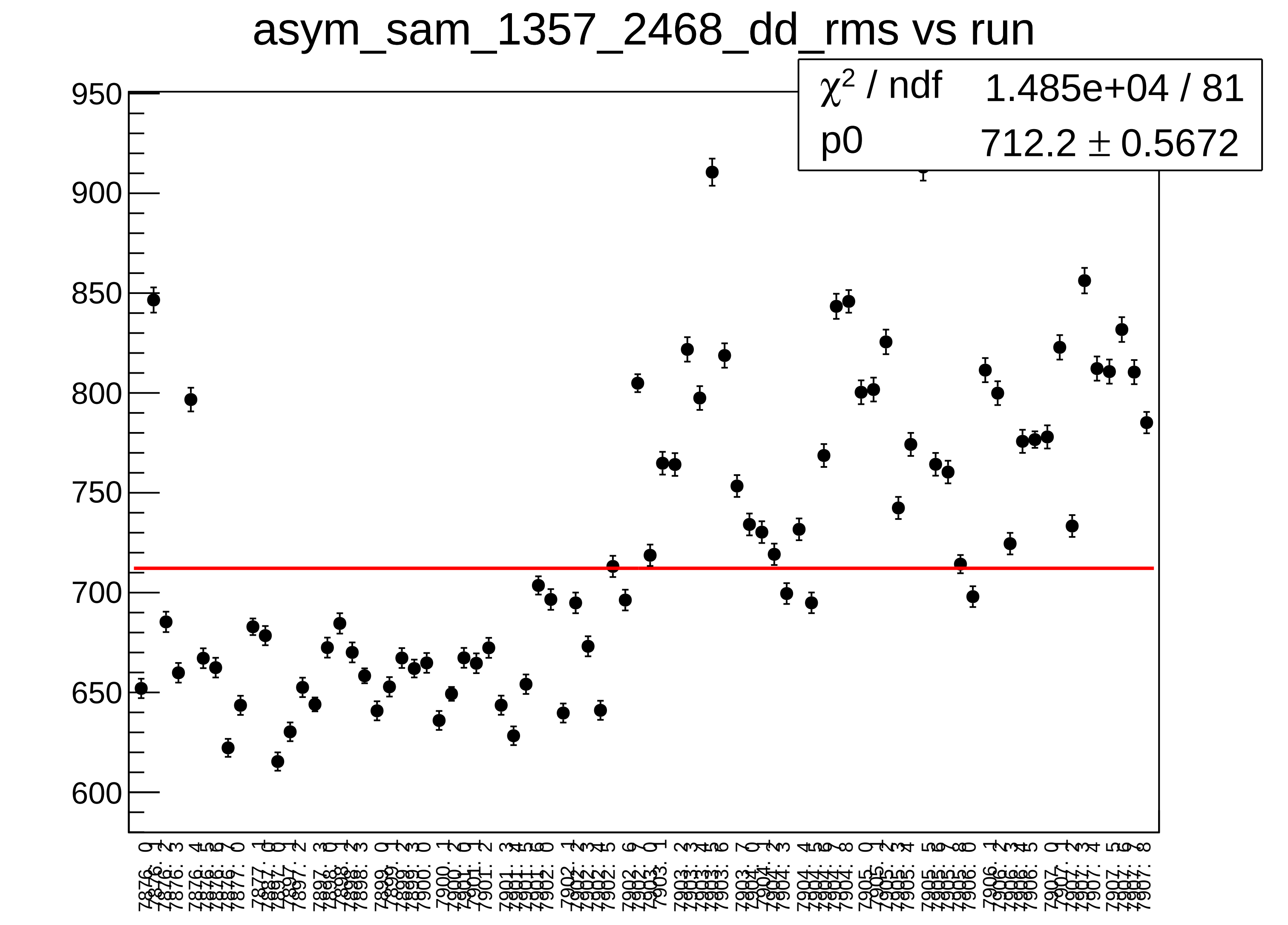
asym_sam_1357_2468_dd_correction_mean vs run
χ2 / ndf 75.24 / 81
p0 1190 ± 805.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −95.16
Std Dev 113
pull1D
Entries 82
Mean −0.009605
Std Dev 0.9579

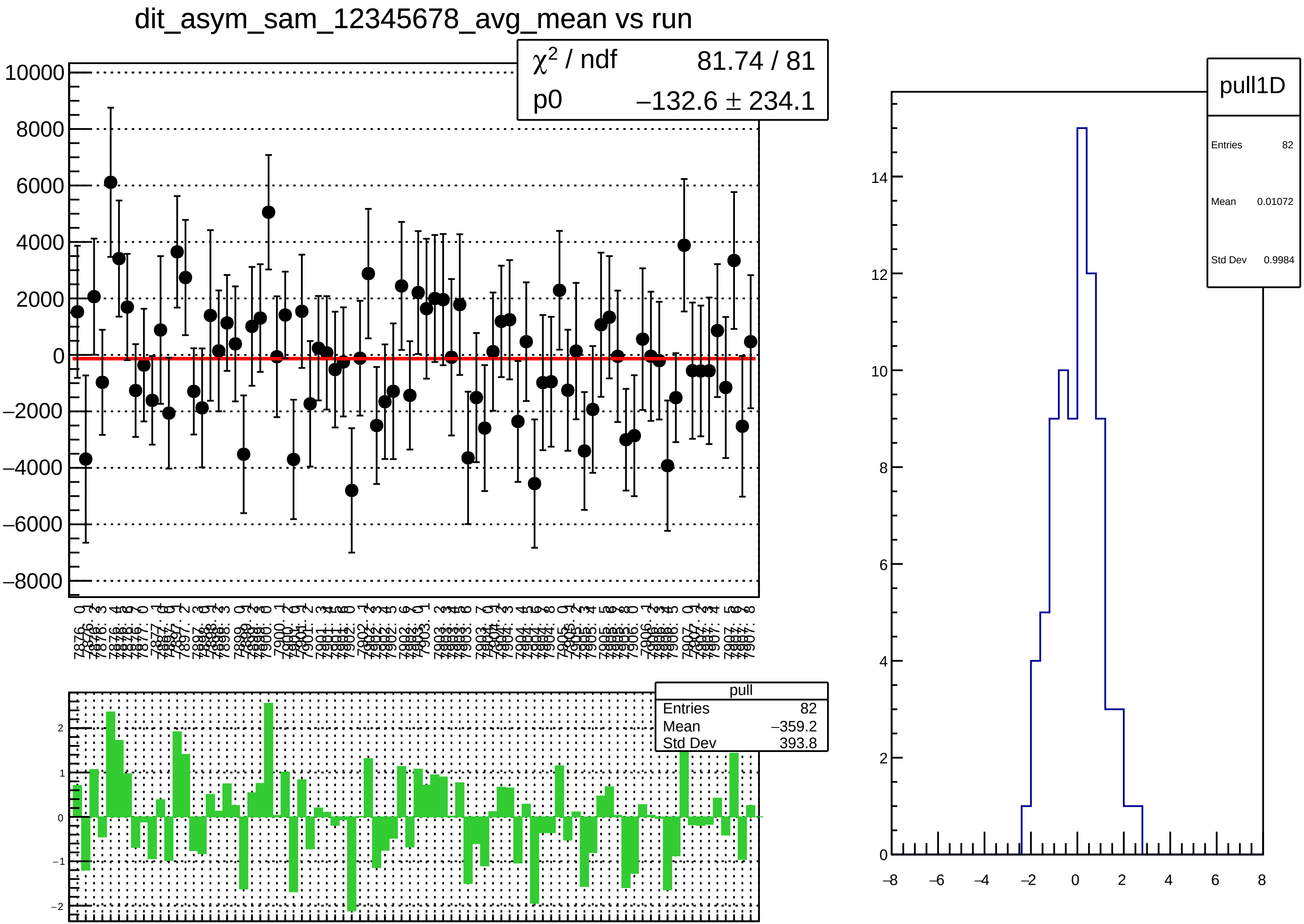


asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 1.546e+04 / 81
p0 715.2 ± 0.5697
950
900
850
800
750
700
650
600

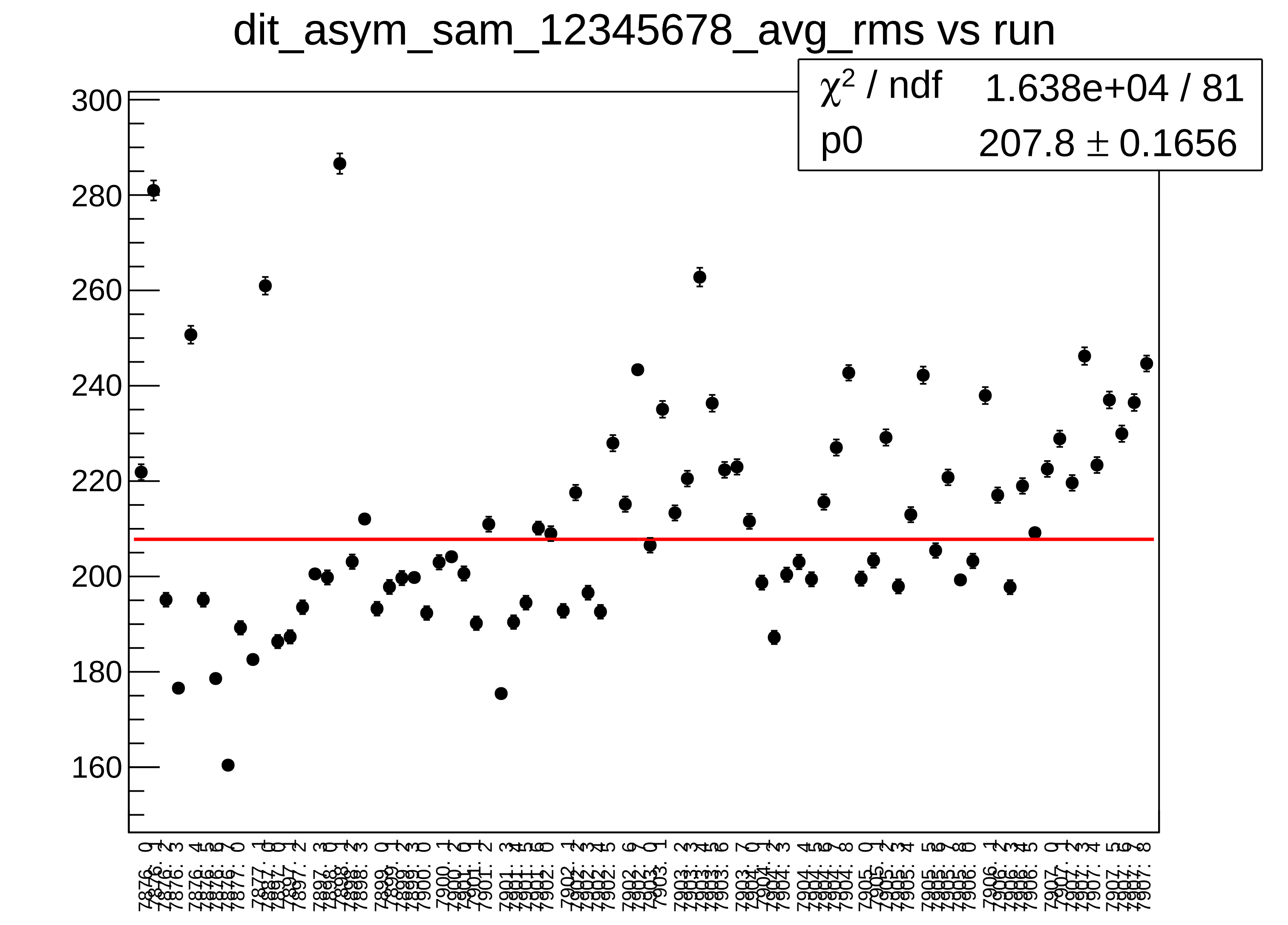


asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 75.95 / 81
p0 −1194 ± 802.1
pull
Entries 82
Mean −72.04
Std Dev 85.48
pull1D
Entries 82
Mean 0.008889
Std Dev 0.9624


asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 1.485e+04 / 81
p0 712.2 ± 0.5672
950
900
850
800
750
700
650
600

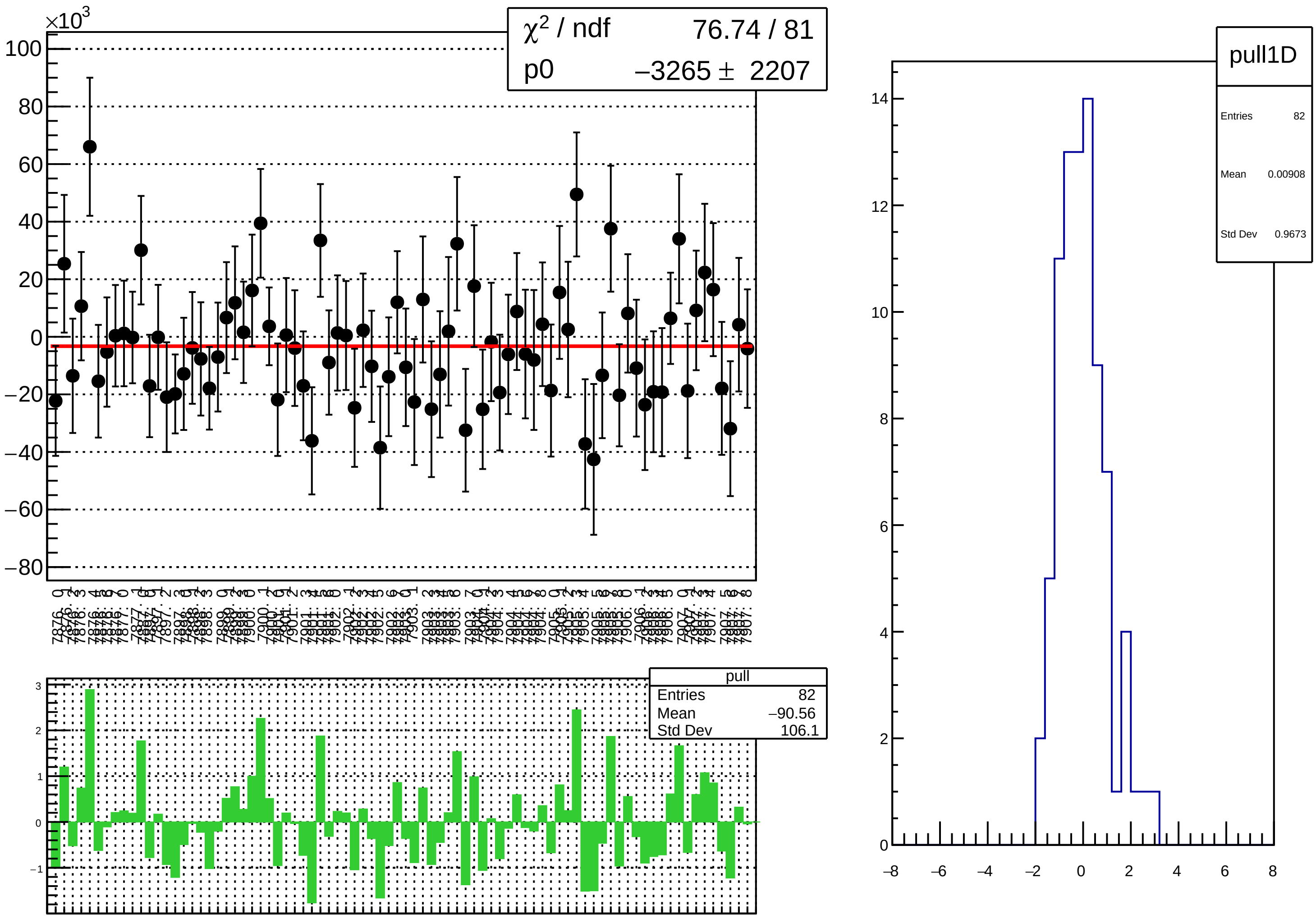


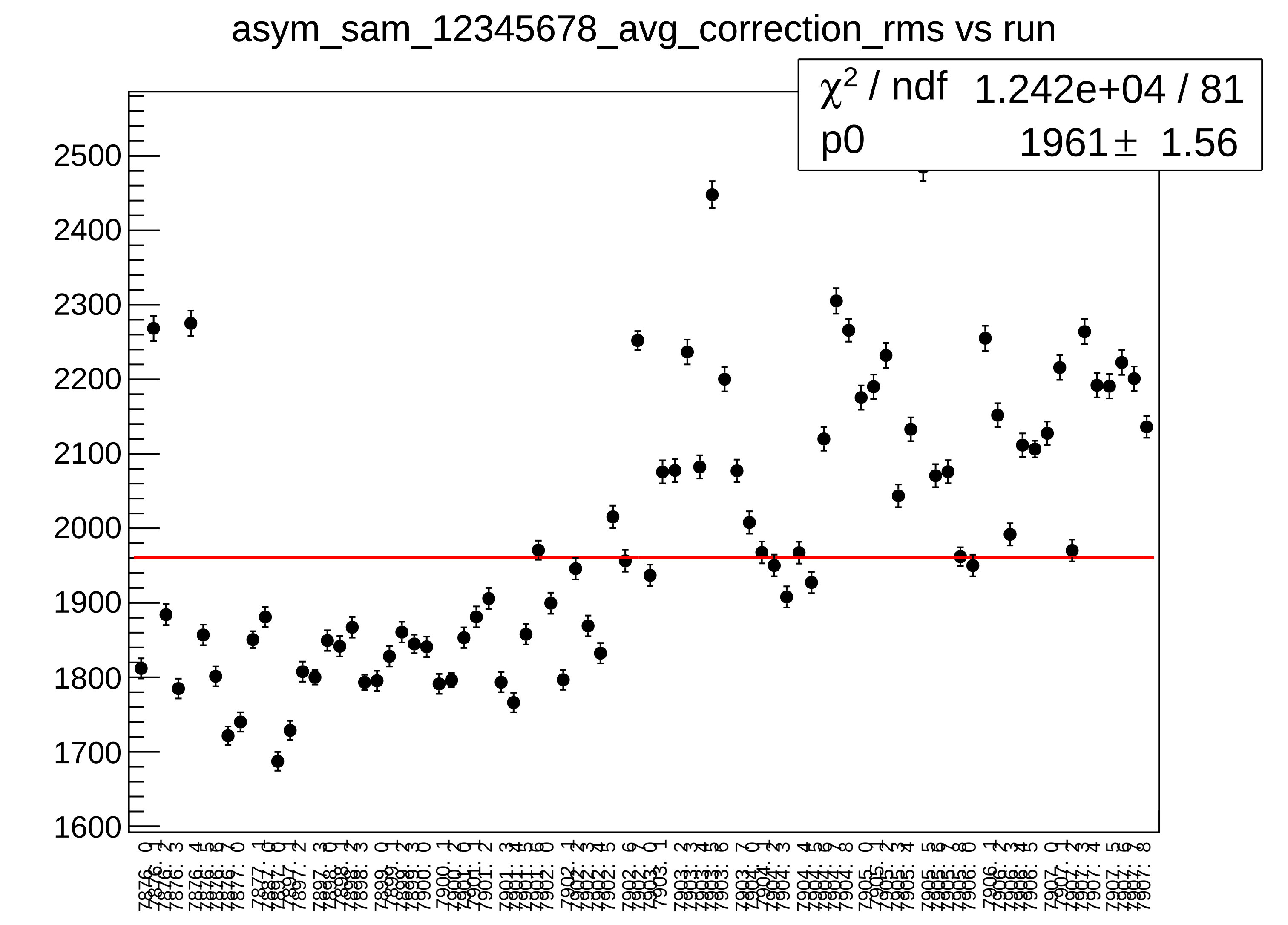
dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 81.74 / 81
p0 −132.6 ± 234.1
pull
Entries 82
Mean −359.2
Std Dev 393.8
pull1D
Entries 82
Mean 0.01072
Std Dev 0.9984

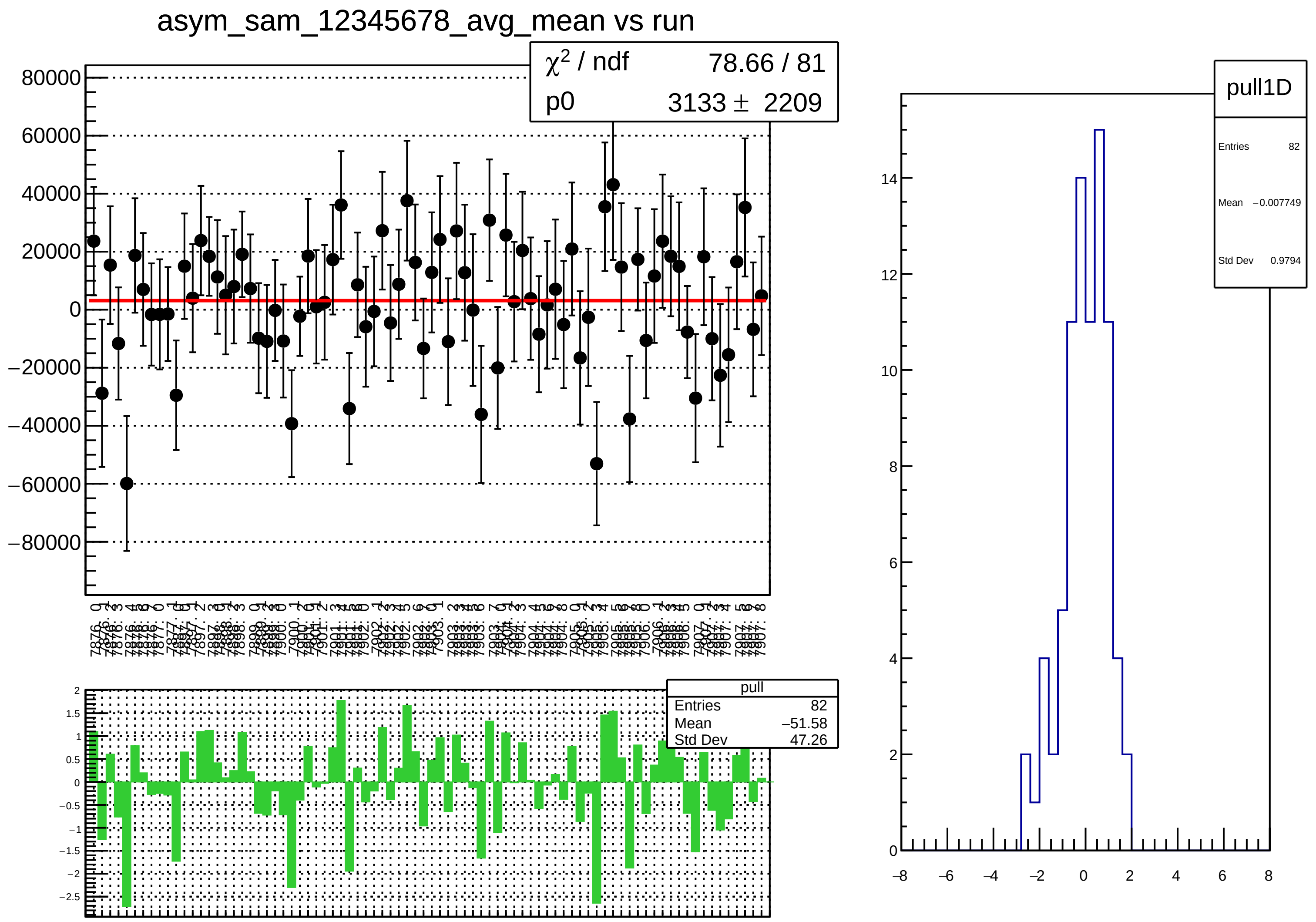


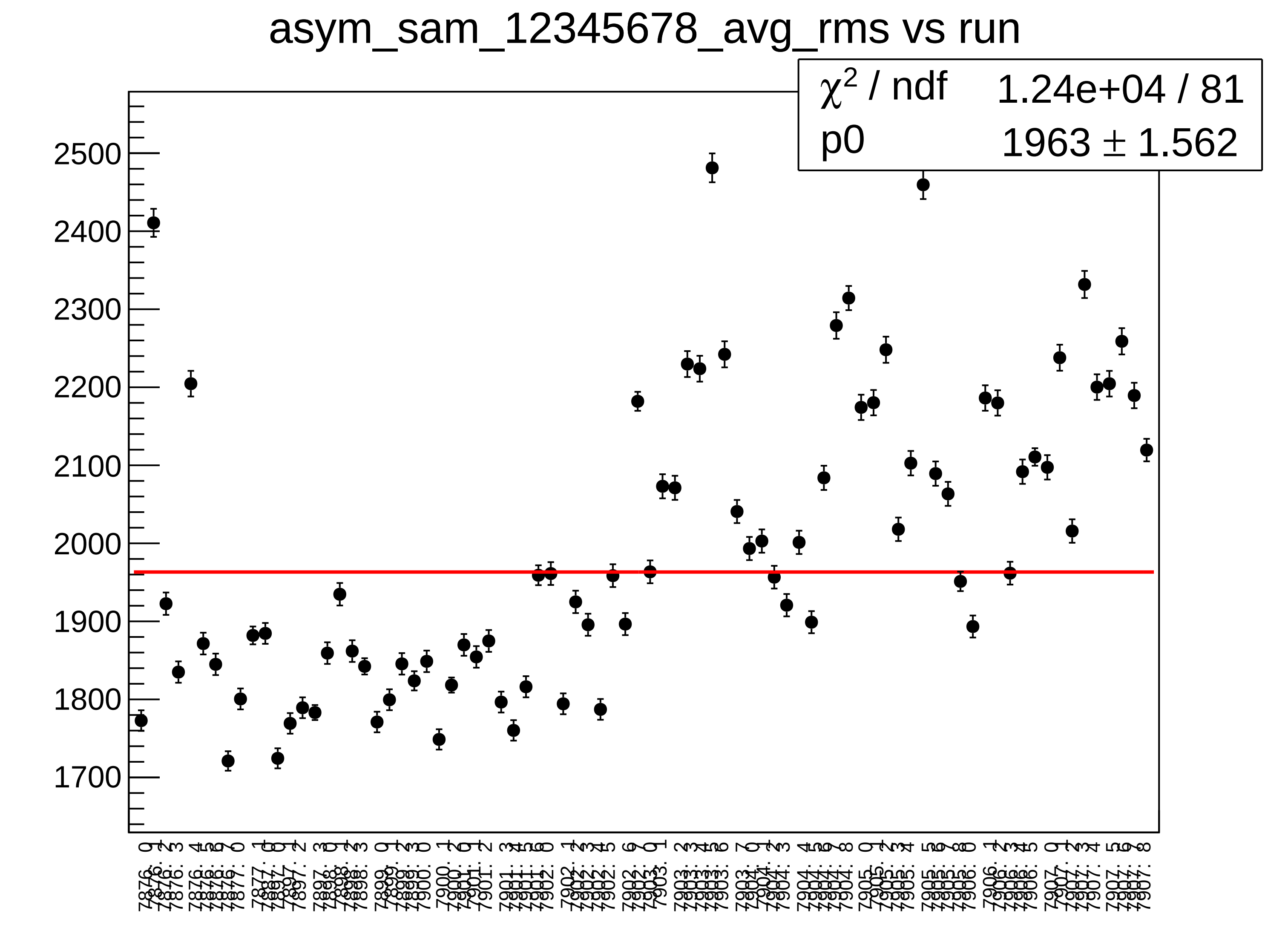
dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.638e+04 / 81
p0 207.8 ± 0.1656
300
280
260
240
220
200
180
160

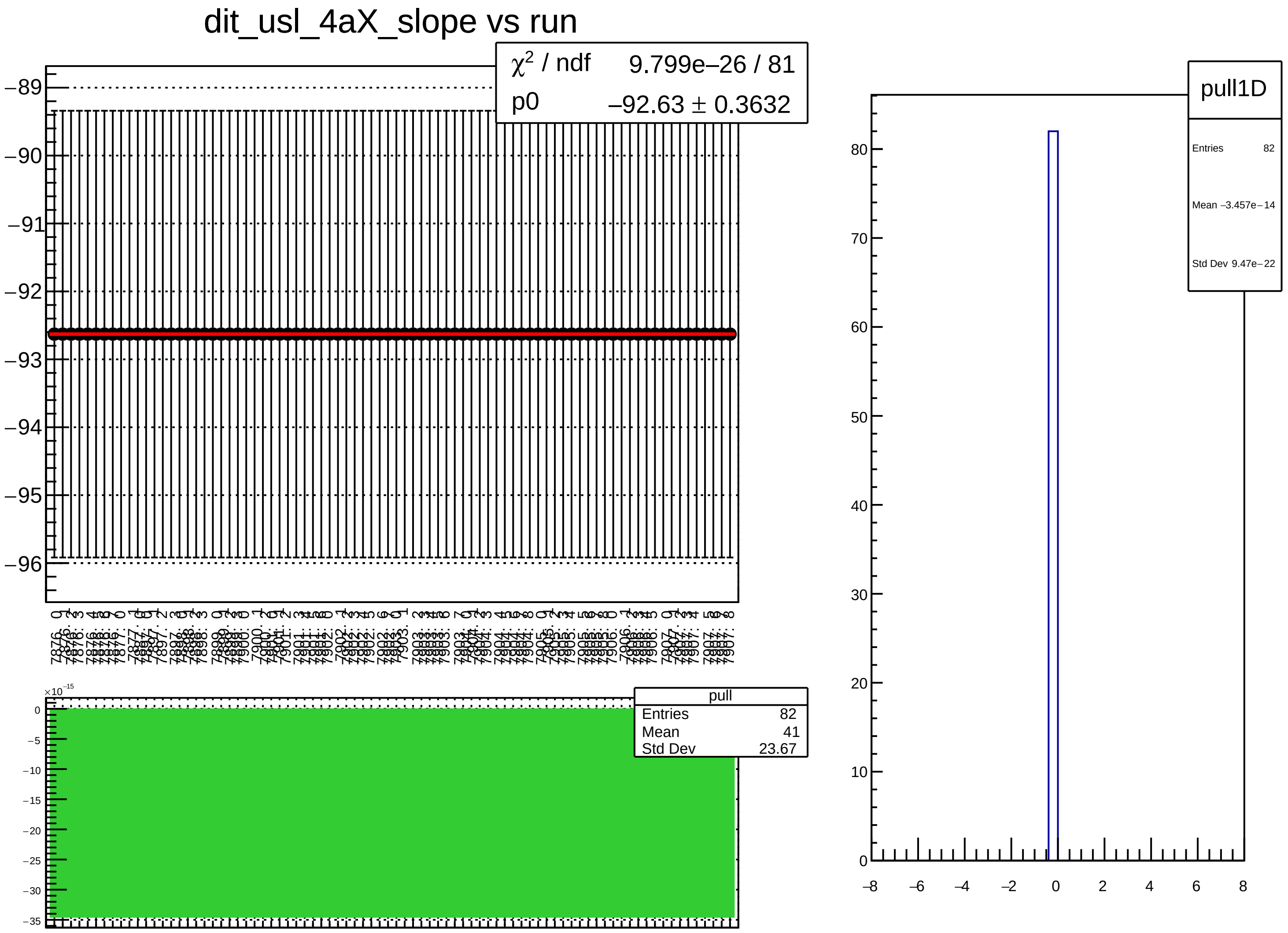
asym_sam_12345678_avg_correction_mean vs run



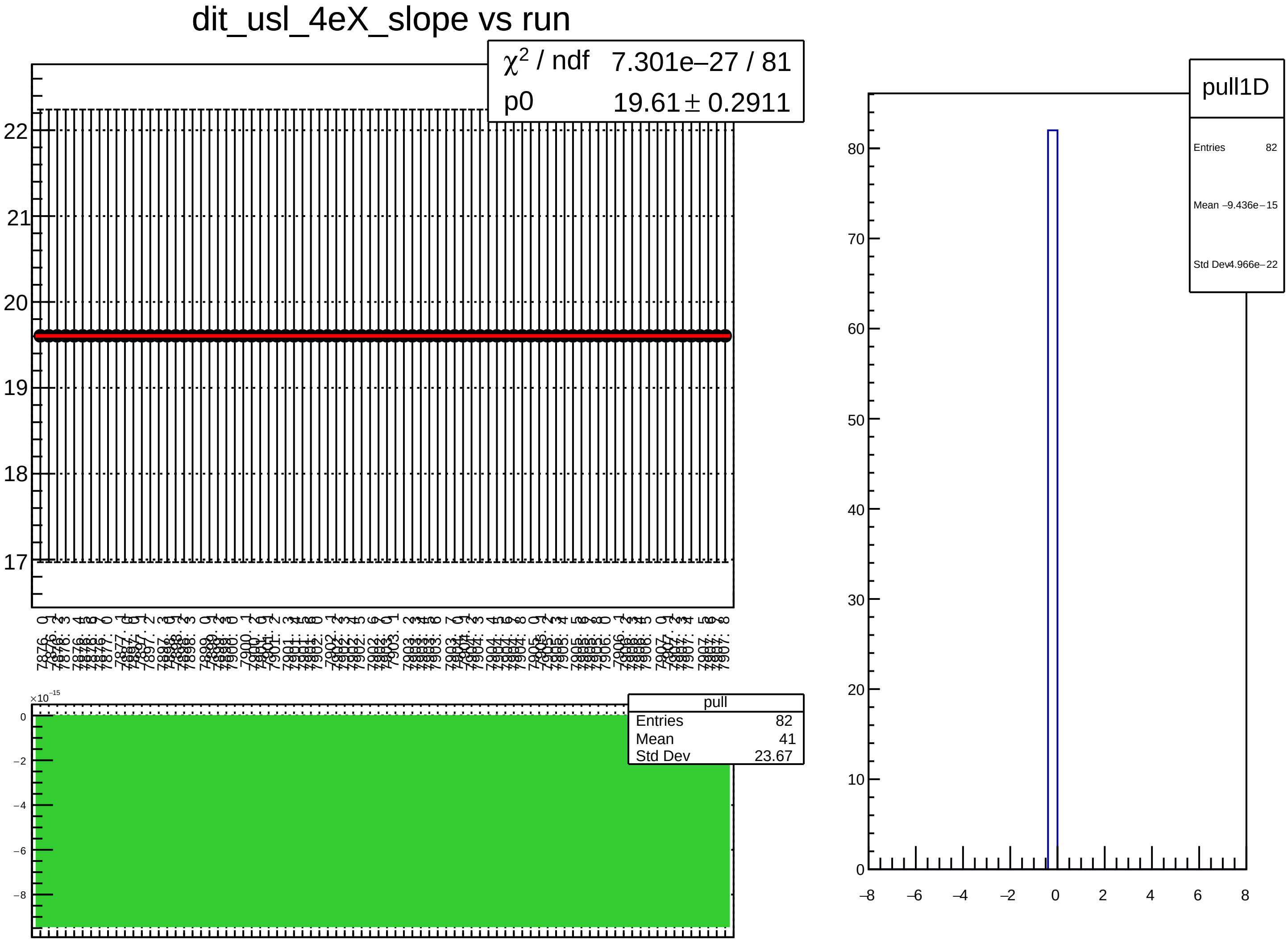

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 1.242e+04 / 81
p0 1961 ± 1.56
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600


asym_sam_12345678_avg_mean vs run
χ^2 / 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

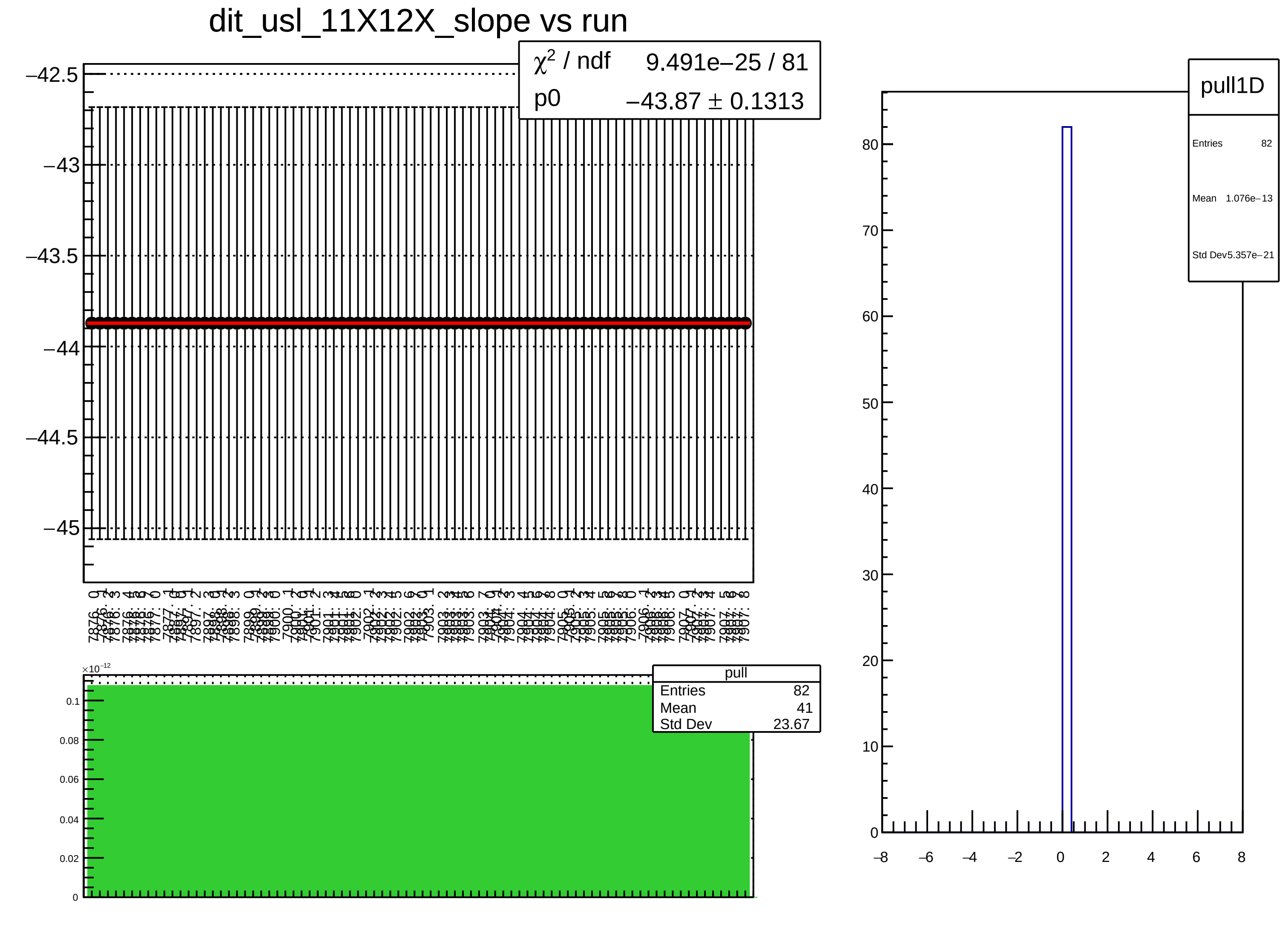

asym_sam_12345678_avg_rms vs run
χ2 / ndf 1.24e+04 / 81
p0 1963 ± 1.562
2500
2400
2300
2200
2100
2000
1900
1800
1700



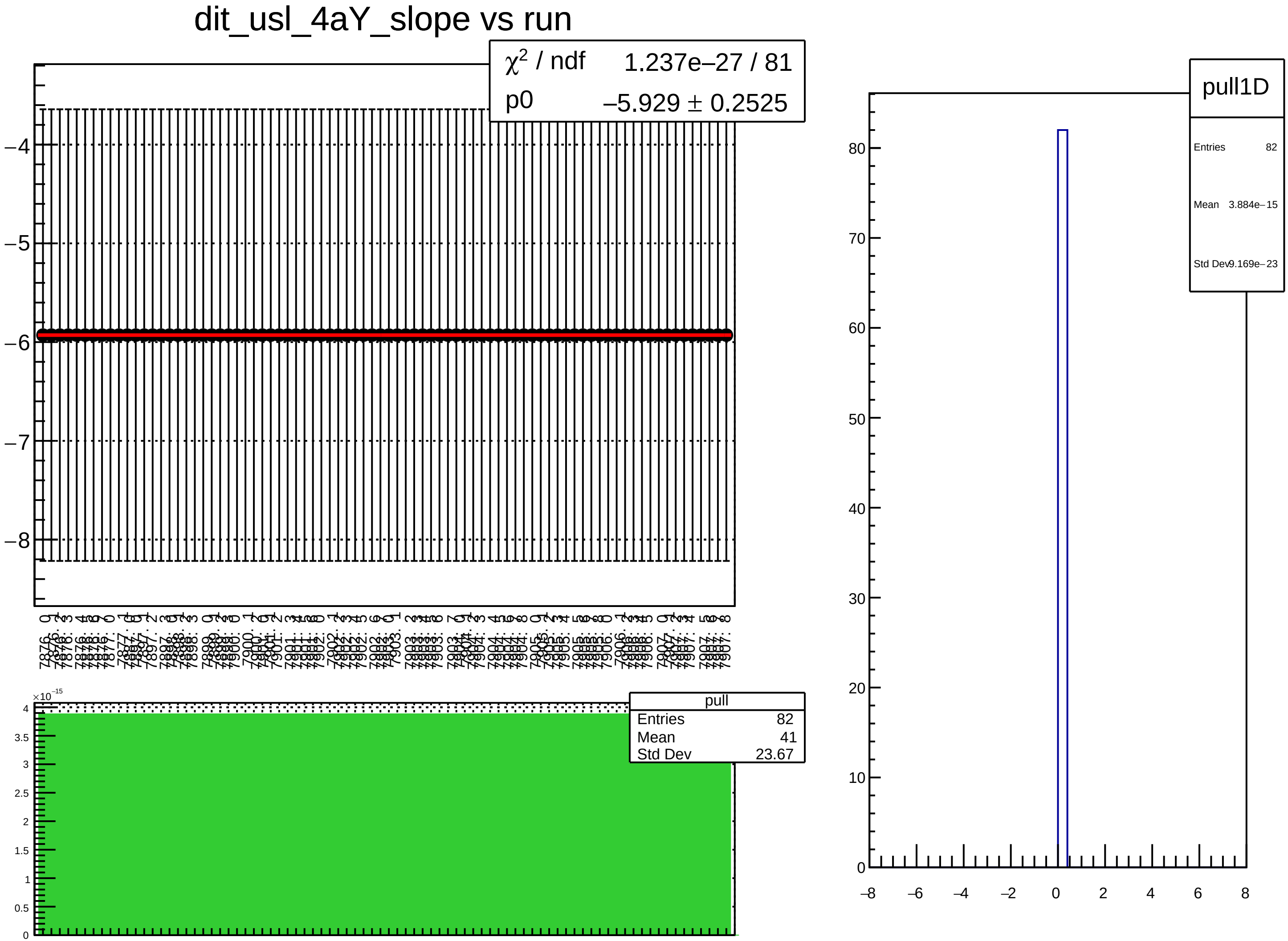
dit_usl_4aX_slope vs run
χ^2 / ndf 9.799e−26 / 81
p0 −92.63 ± 0.3632
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.457e−14
Std Dev 9.47e−22



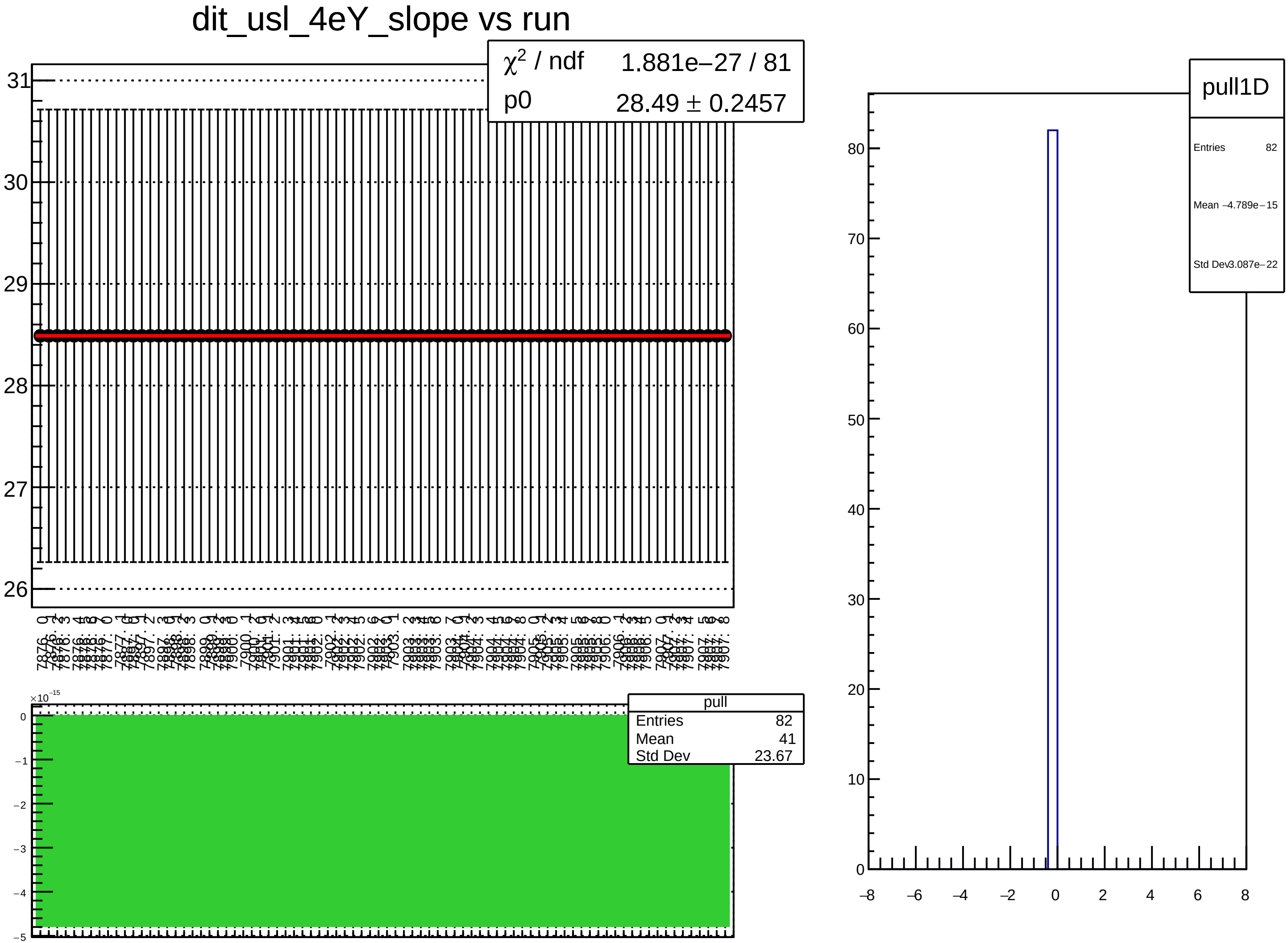
dit_usl_4eX_slope vs run
χ^2 / ndf 7.301e−27 / 81
p0 19.61 ± 0.2911
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −9.436e−15
Std Dev 4.966e−22



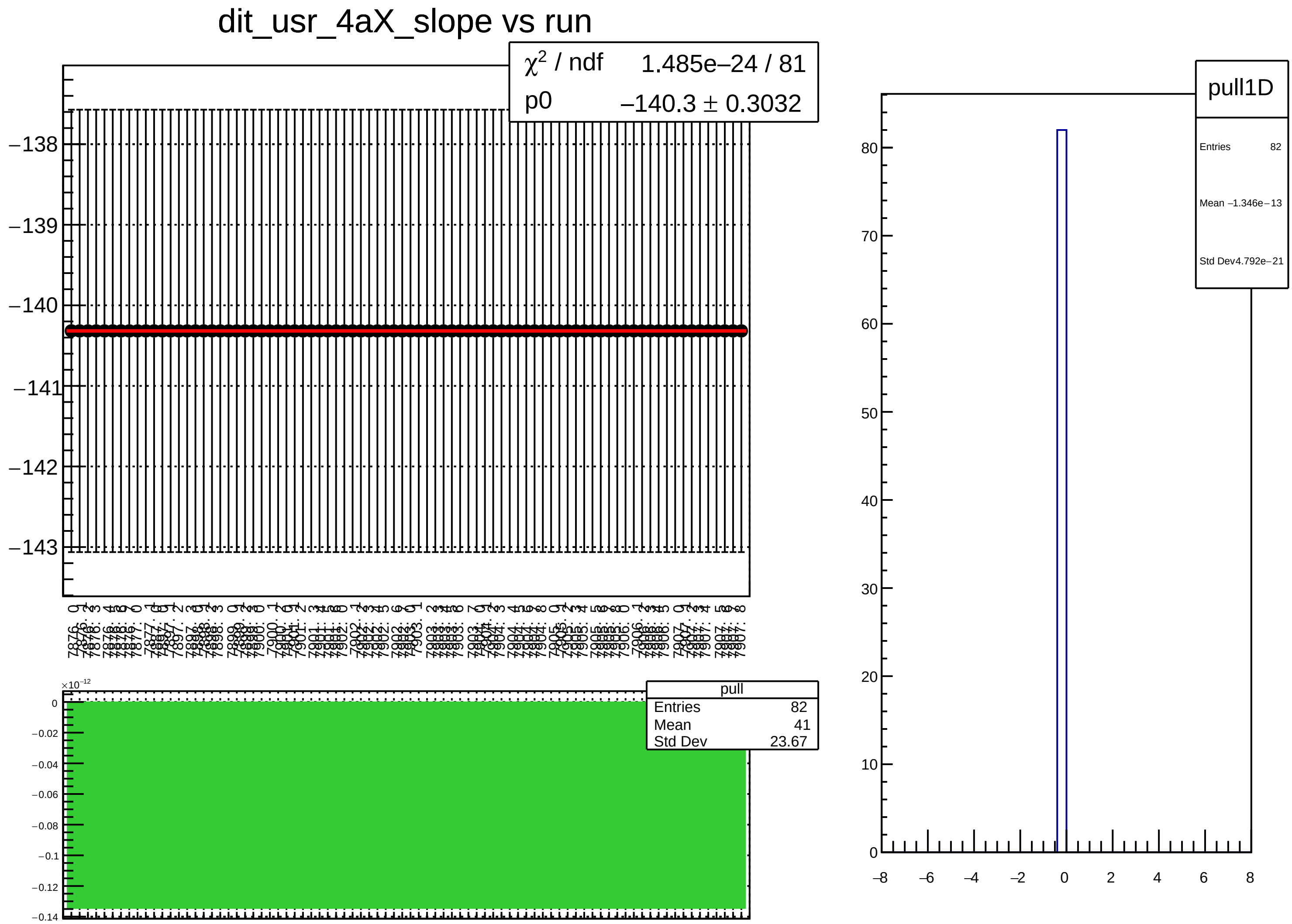
dit_usl_11X12X_slope vs run
χ^2 / ndf 9.491e−25 / 81
p0 −43.87 ± 0.1313
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.076e−13
Std Dev 5.357e−21



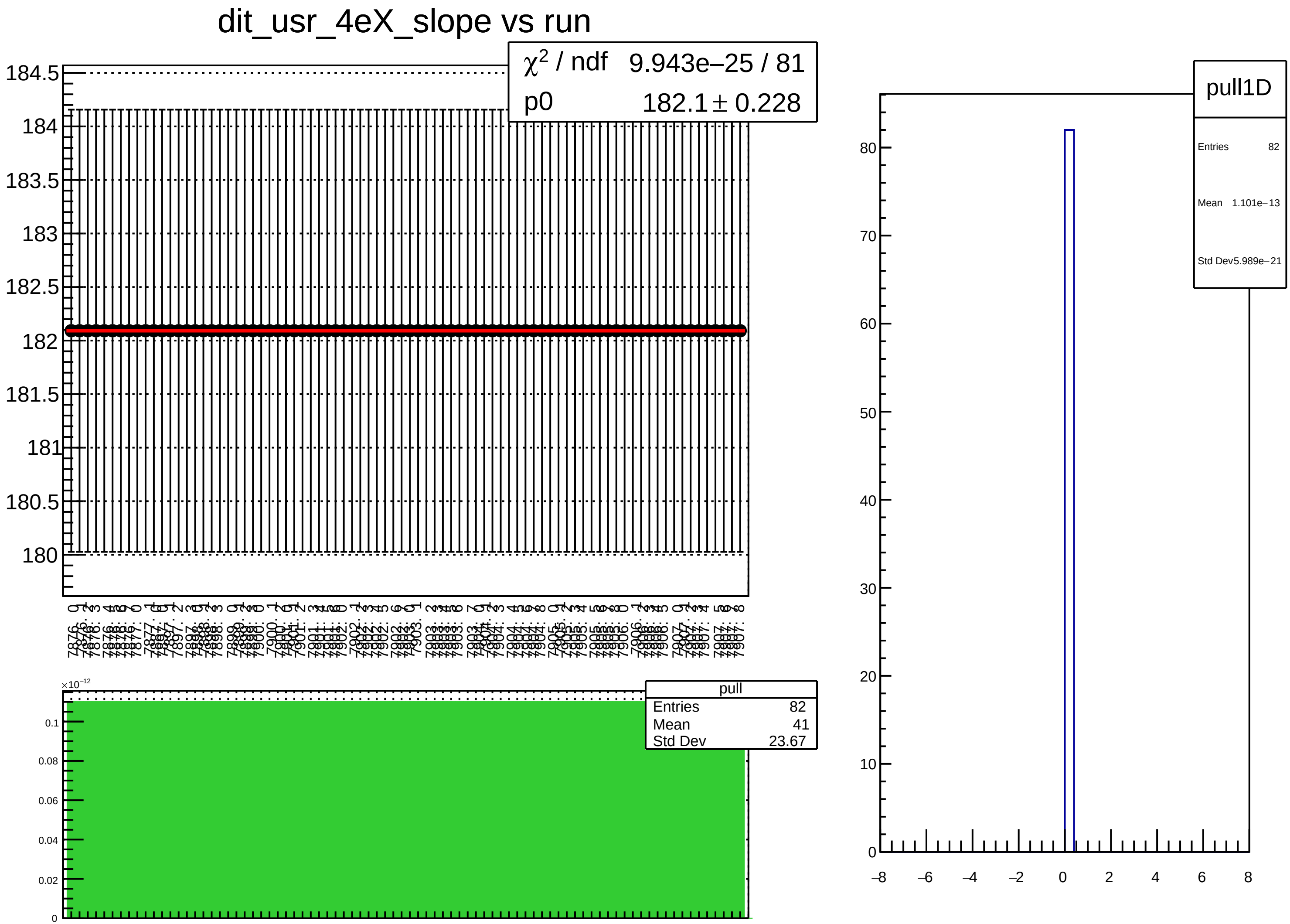
dit_usl_4aY_slope vs run
χ2 / ndf 1.237e−27 / 81
p0 −5.929 ± 0.2525
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.884e−15
Std Dev 9.169e−23



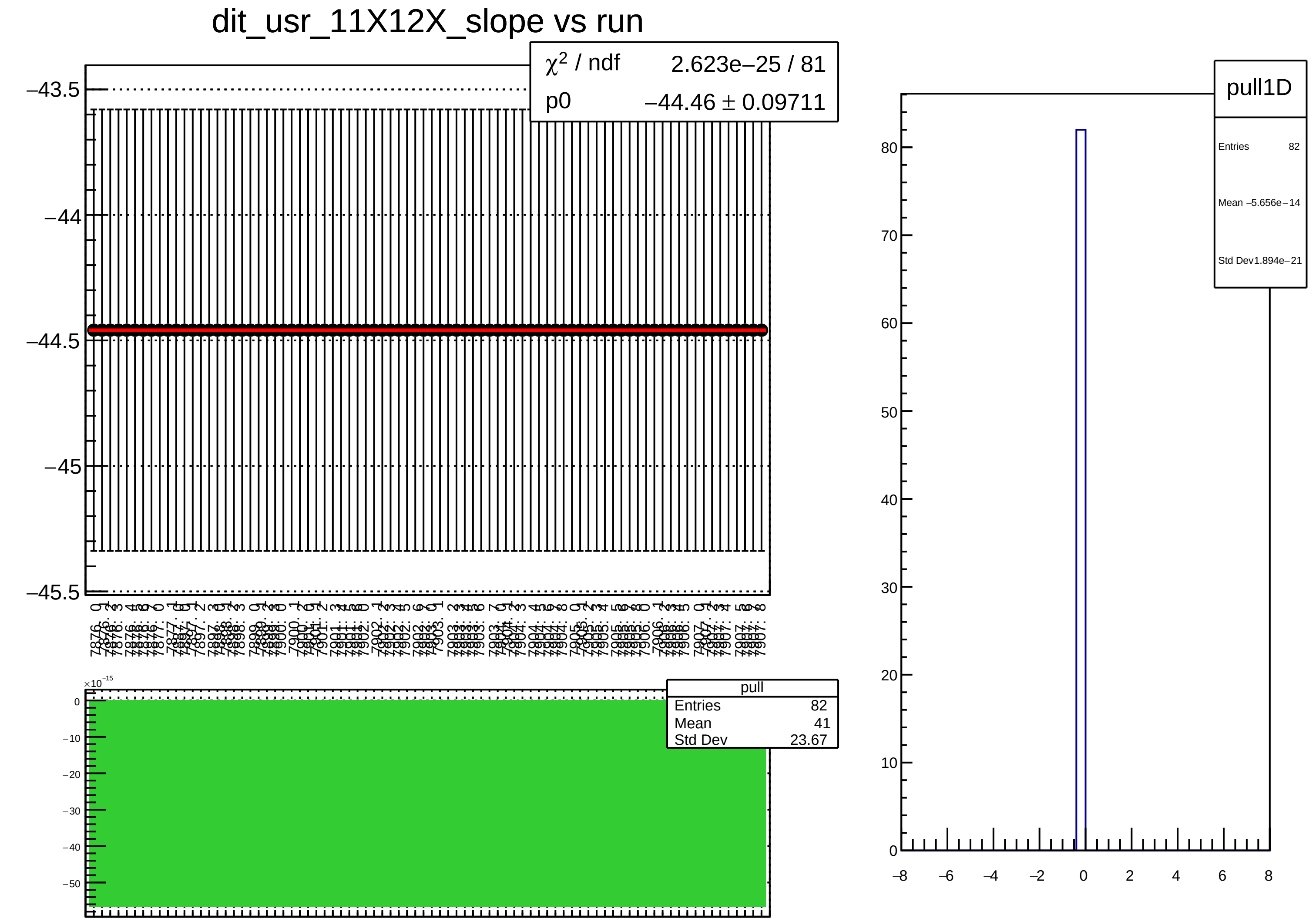
dit_usl_4eY_slope vs run
χ^2 / ndf 1.881e−27 / 81
p0 28.49 ± 0.2457
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.789e−15
Std Dev 3.087e−22



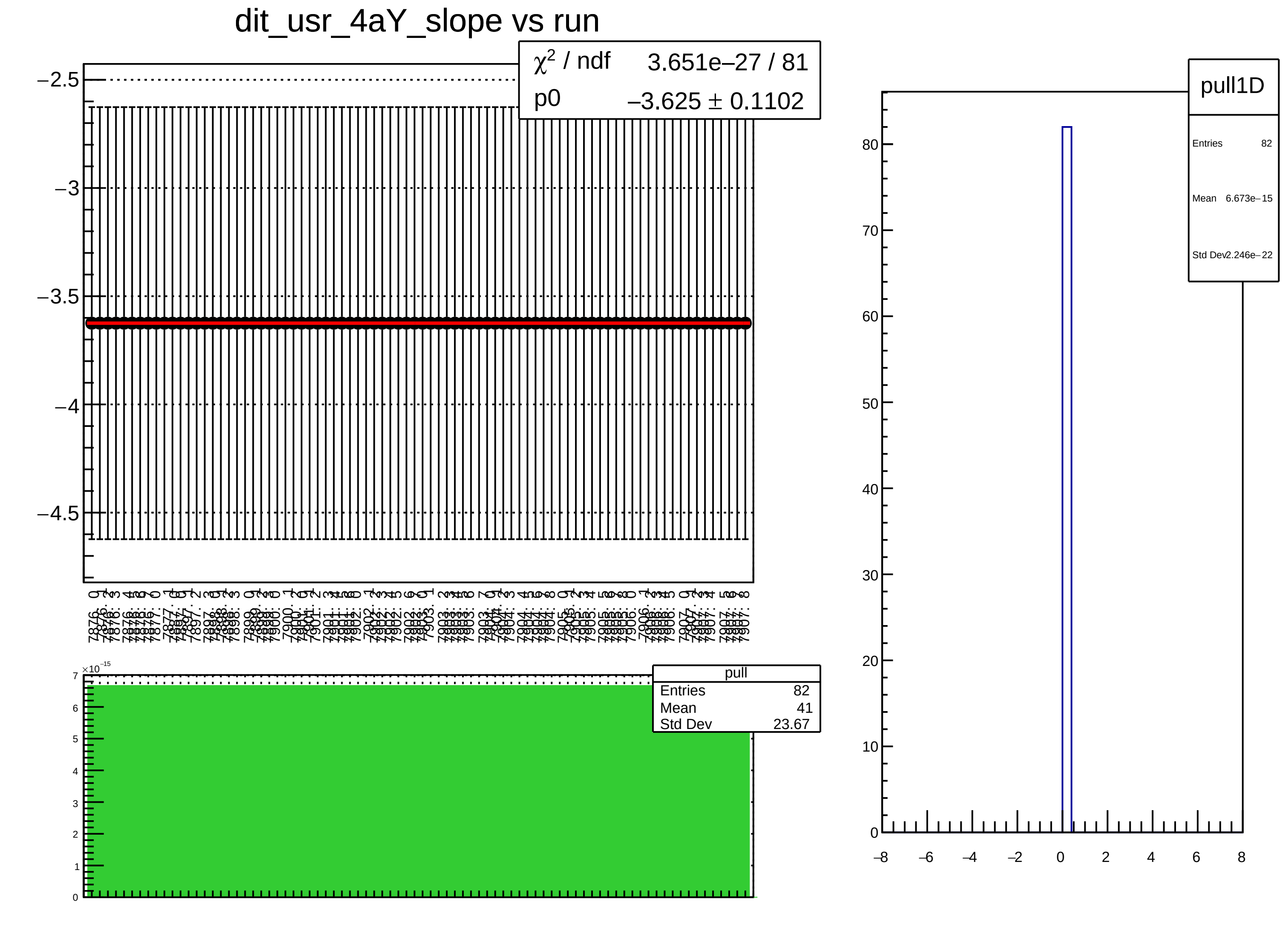
dit_usr_4aX_slope vs run
χ^2 / ndf 1.485e−24 / 81
p0 −140.3 ± 0.3032
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.346e−13
Std Dev 4.792e−21



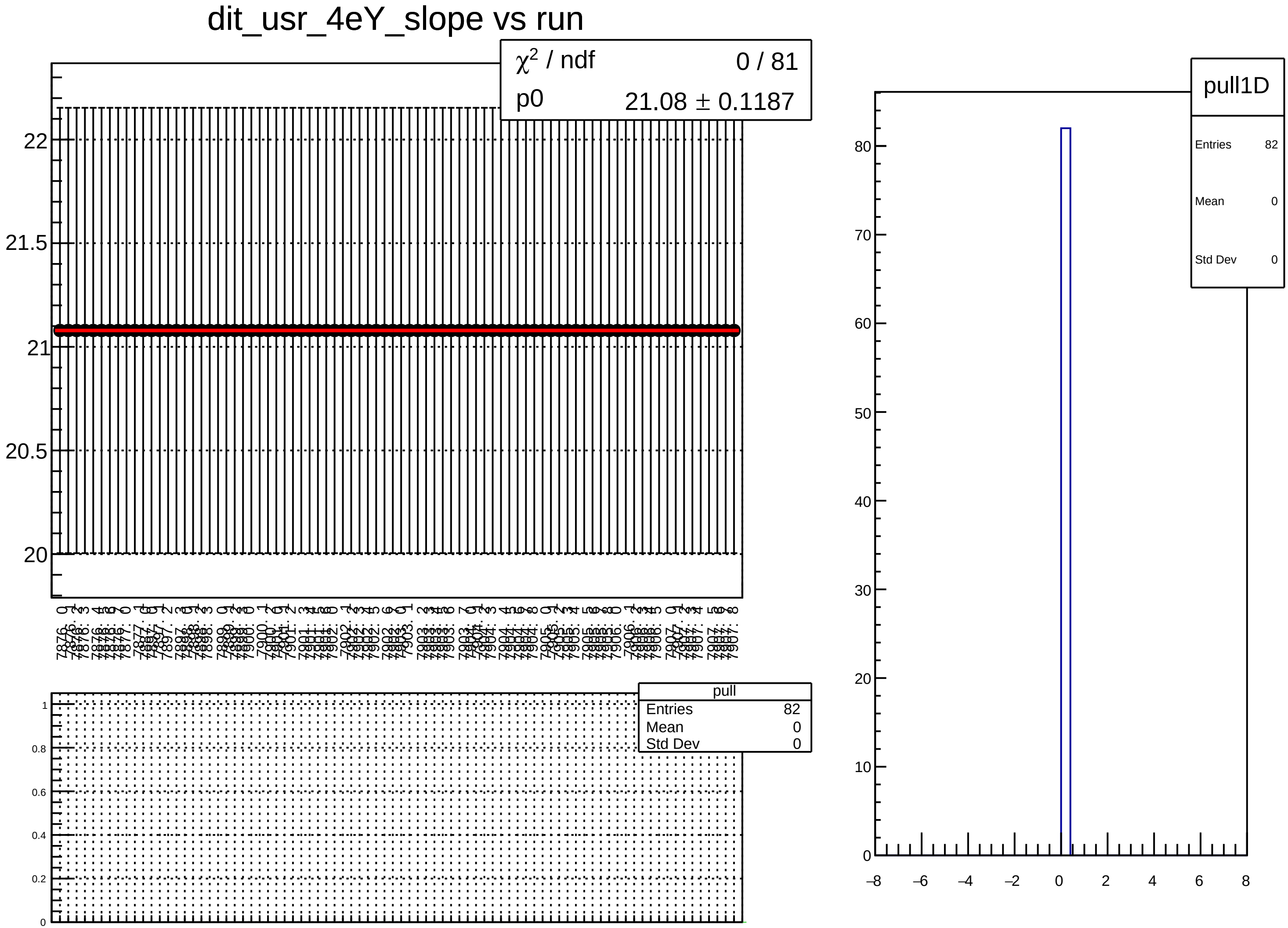
dit_usr_4eX_slope vs run
χ^2 / ndf 9.943e−25 / 81
p0 182.1 ± 0.228
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.101e−13
Std Dev 5.989e−21

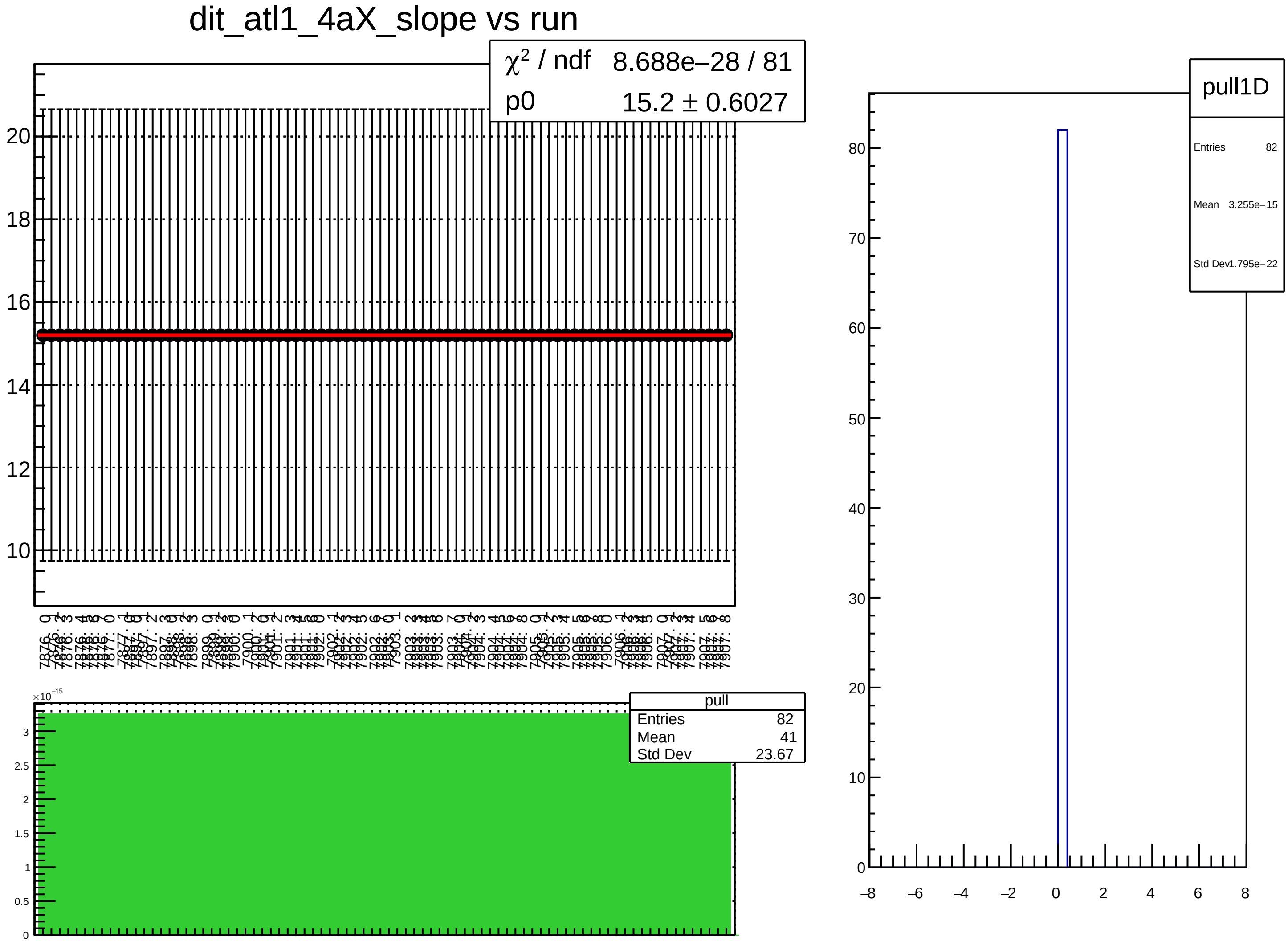


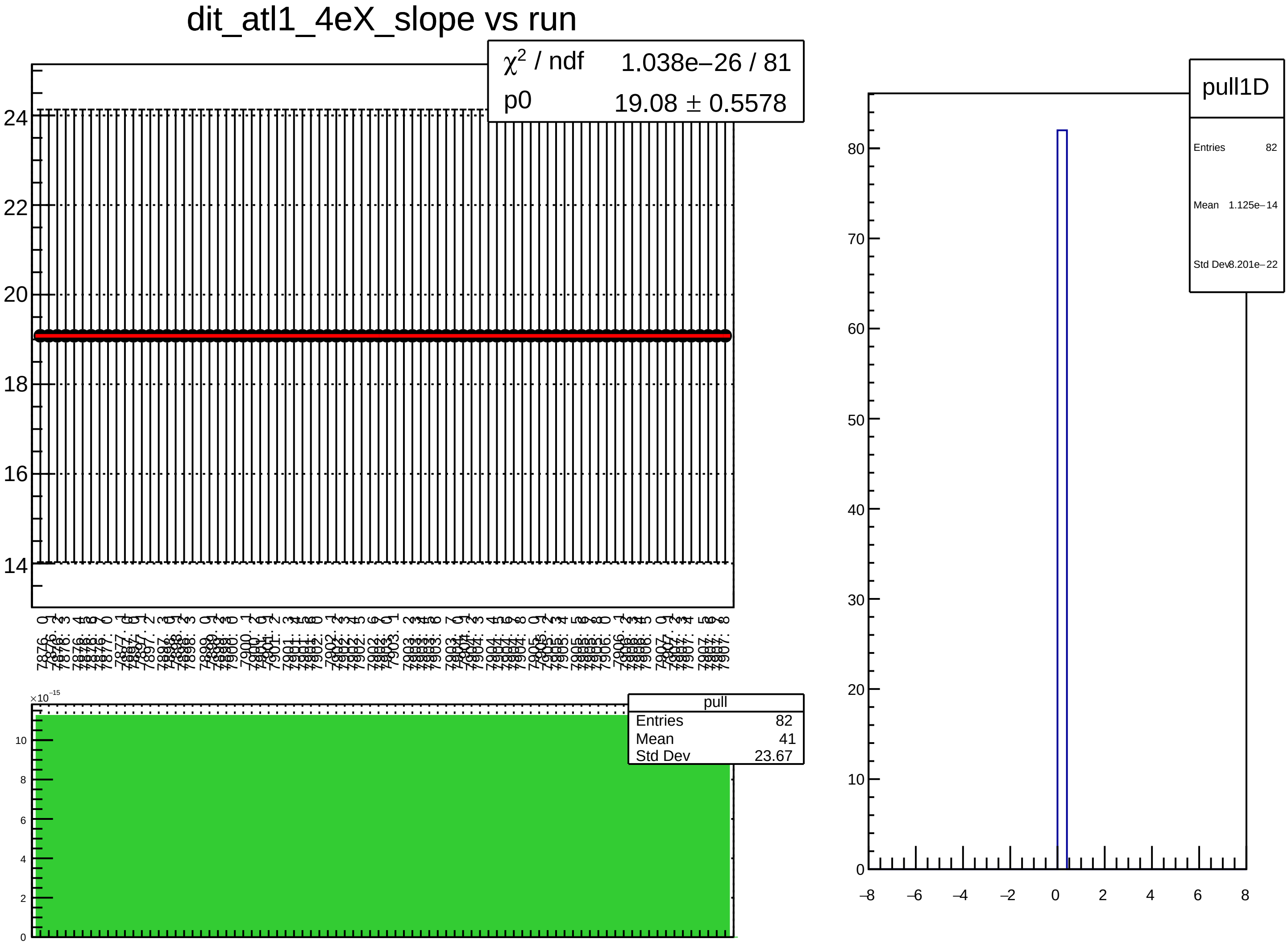
dit_usr_11X12X_slope vs run
χ2 / ndf 2.623e−25 / 81
p0 −44.46 ± 0.09711
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.656e−14
Std Dev 1.894e−21



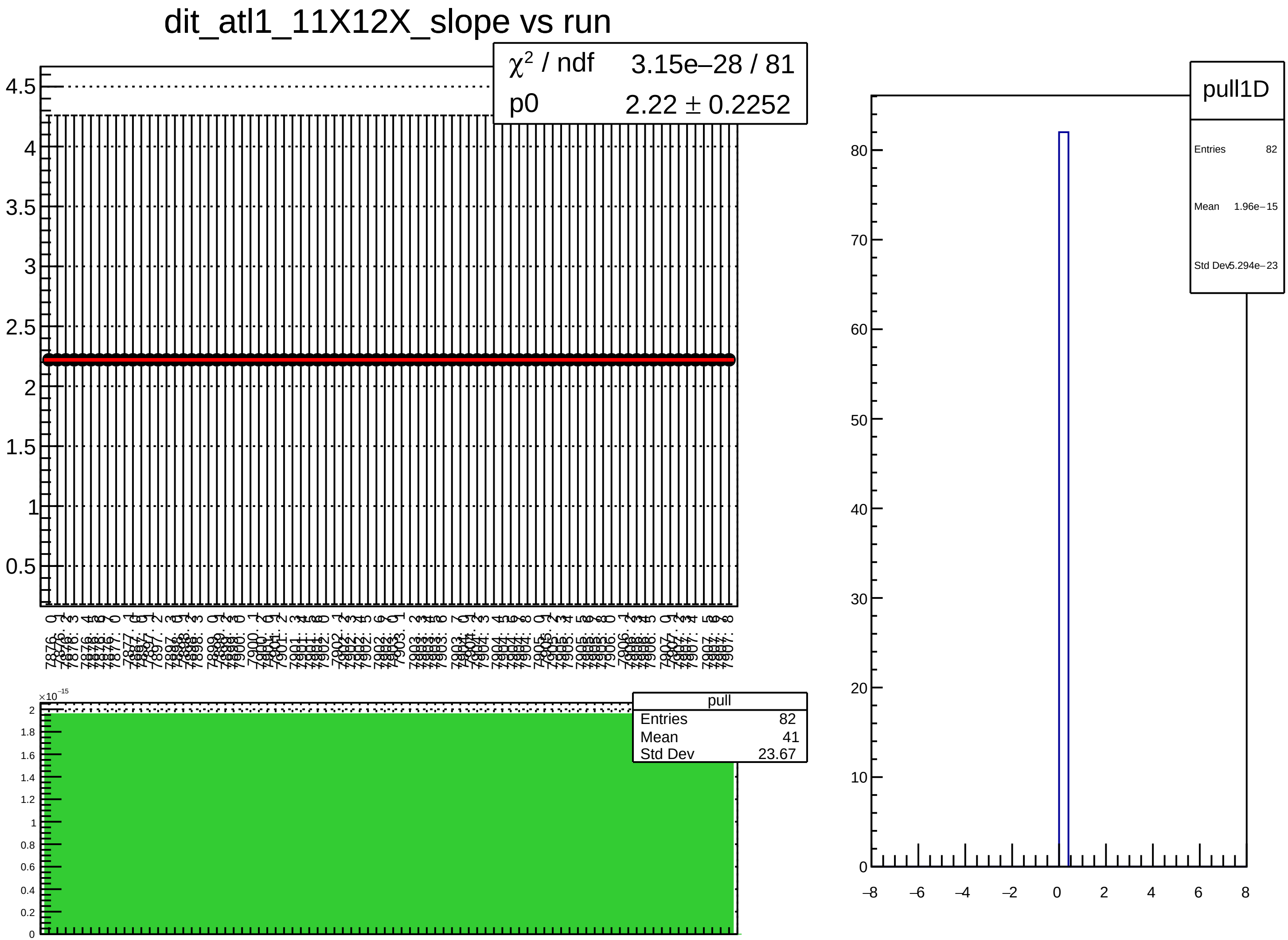
dit_usr_4aY_slope vs run
χ2 / ndf 3.651e−27 / 81
p0 −3.625 ± 0.1102
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 6.673e−15
Std Dev 2.246e−22

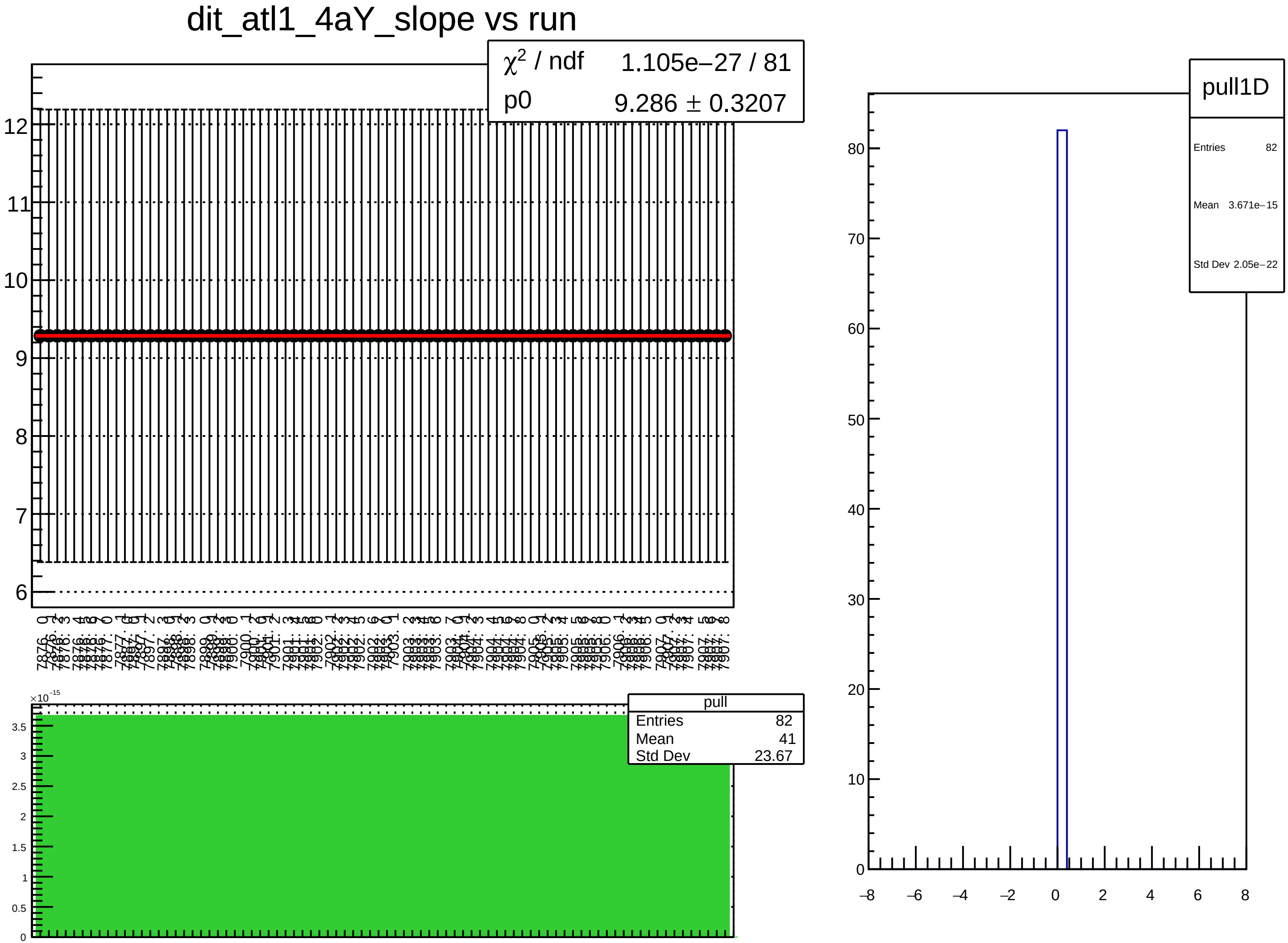

dit_usr_4eY_slope vs run
χ^2 / ndf 0 / 81
p0 21.08 ± 0.1187
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0


dit_atl1_4aX_slope vs run
χ2 / ndf 8.688e−28 / 81
p0 15.2 ± 0.6027
pull
Entries 82
Mean 41
Std Dev 23.67
×10−15
pull1D
Entries 82
Mean 3.255e−15
Std Dev1.795e−22

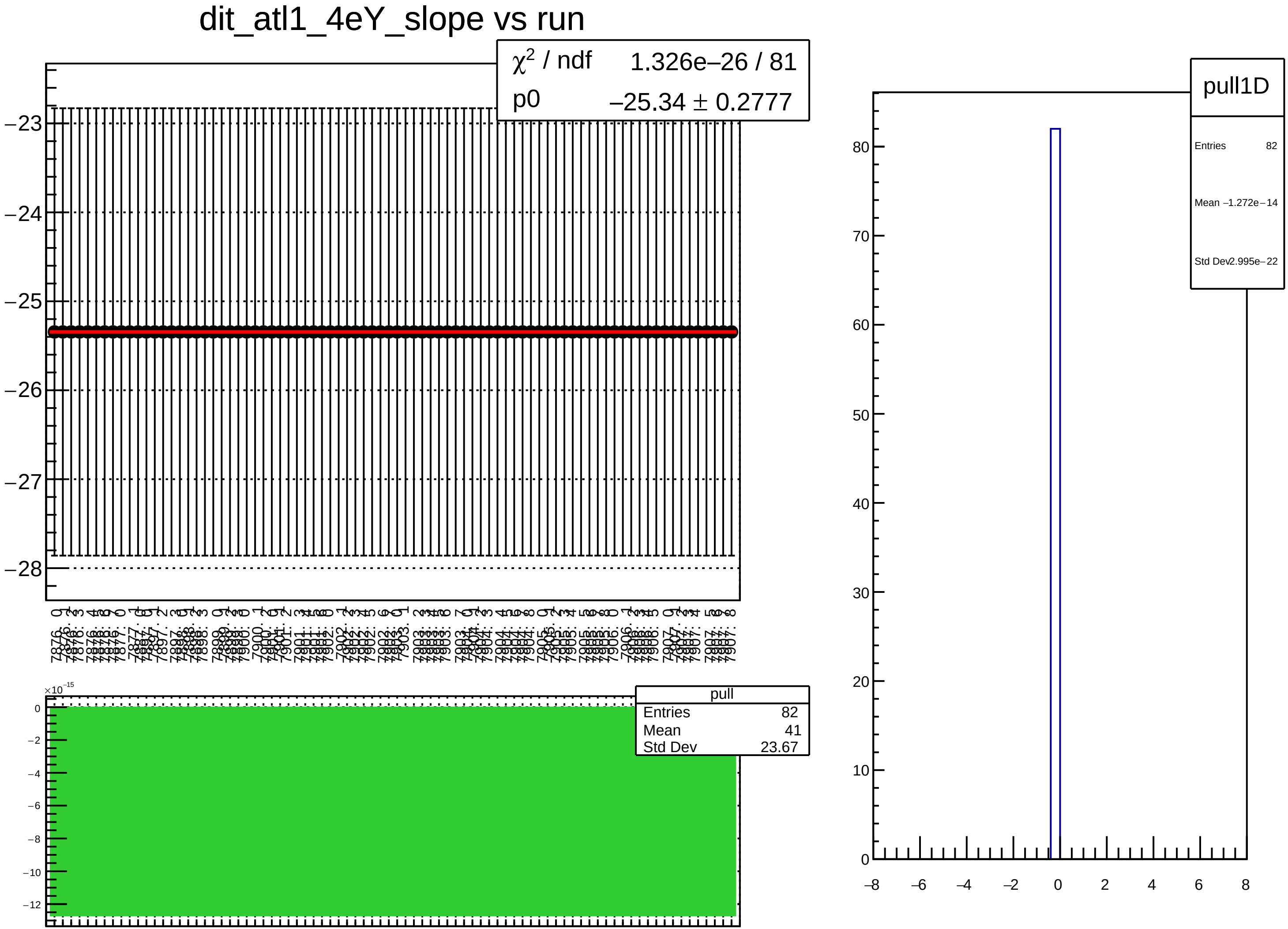


dit_atl1_4eX_slope vs run
χ^2 / ndf 1.038e−26 / 81
p0 19.08 ± 0.5578
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.125e−14
Std Dev 8.201e−22

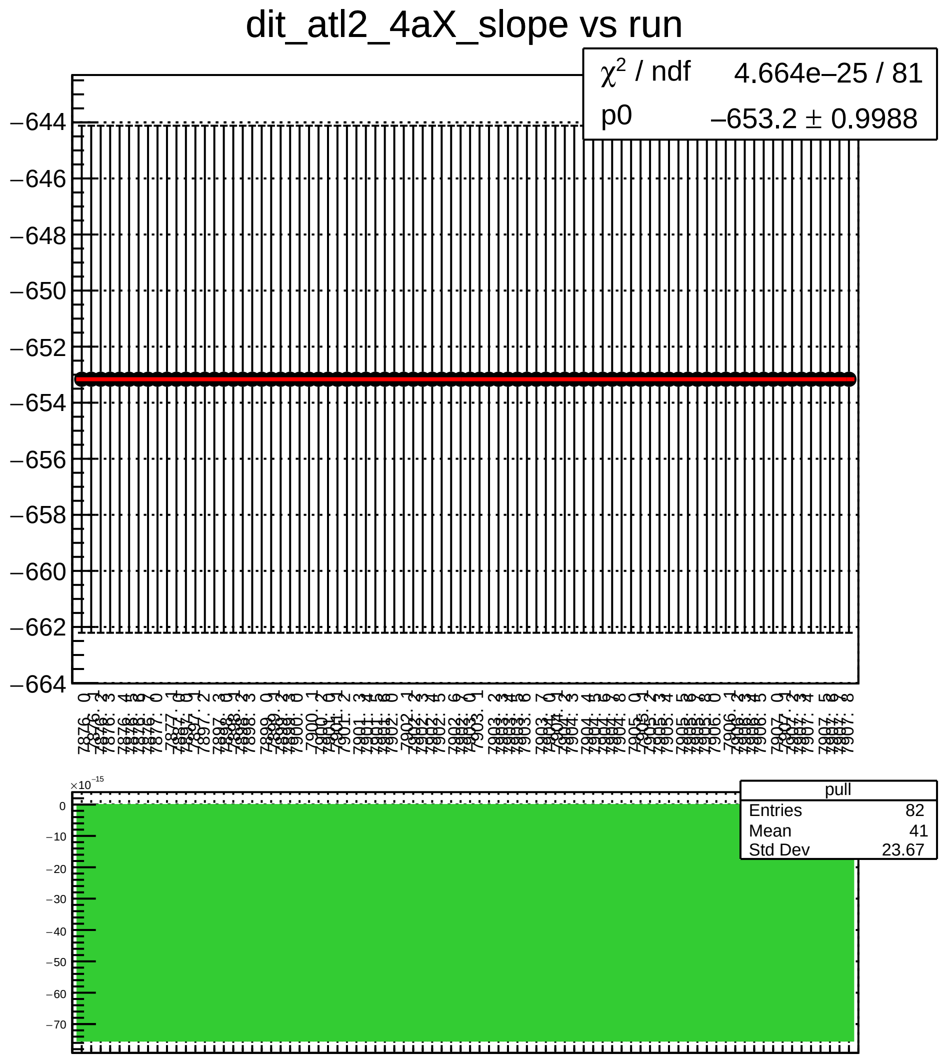

dit_atl1_11X12X_slope vs run
χ2 / ndf 3.15e−28 / 81
p0 2.22 ± 0.2252
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.96e−15
Std Dev 5.294e−23

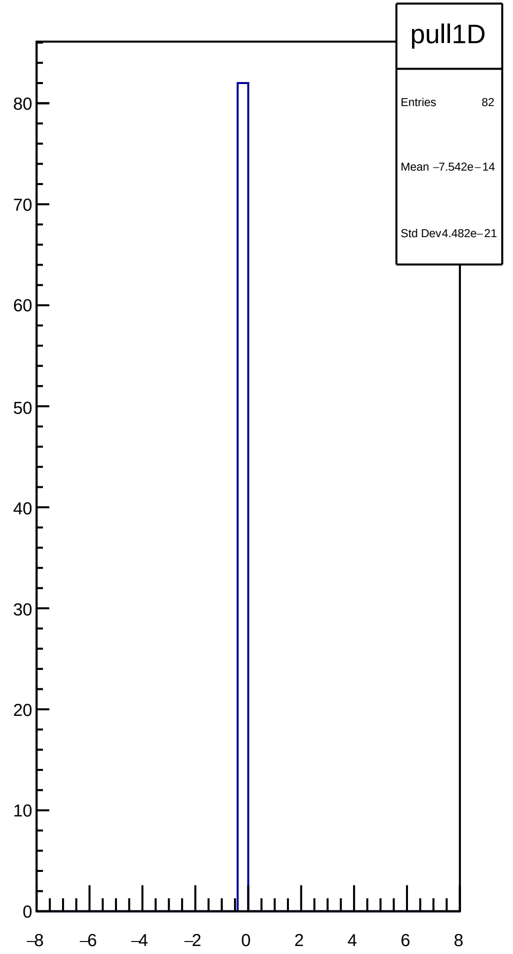


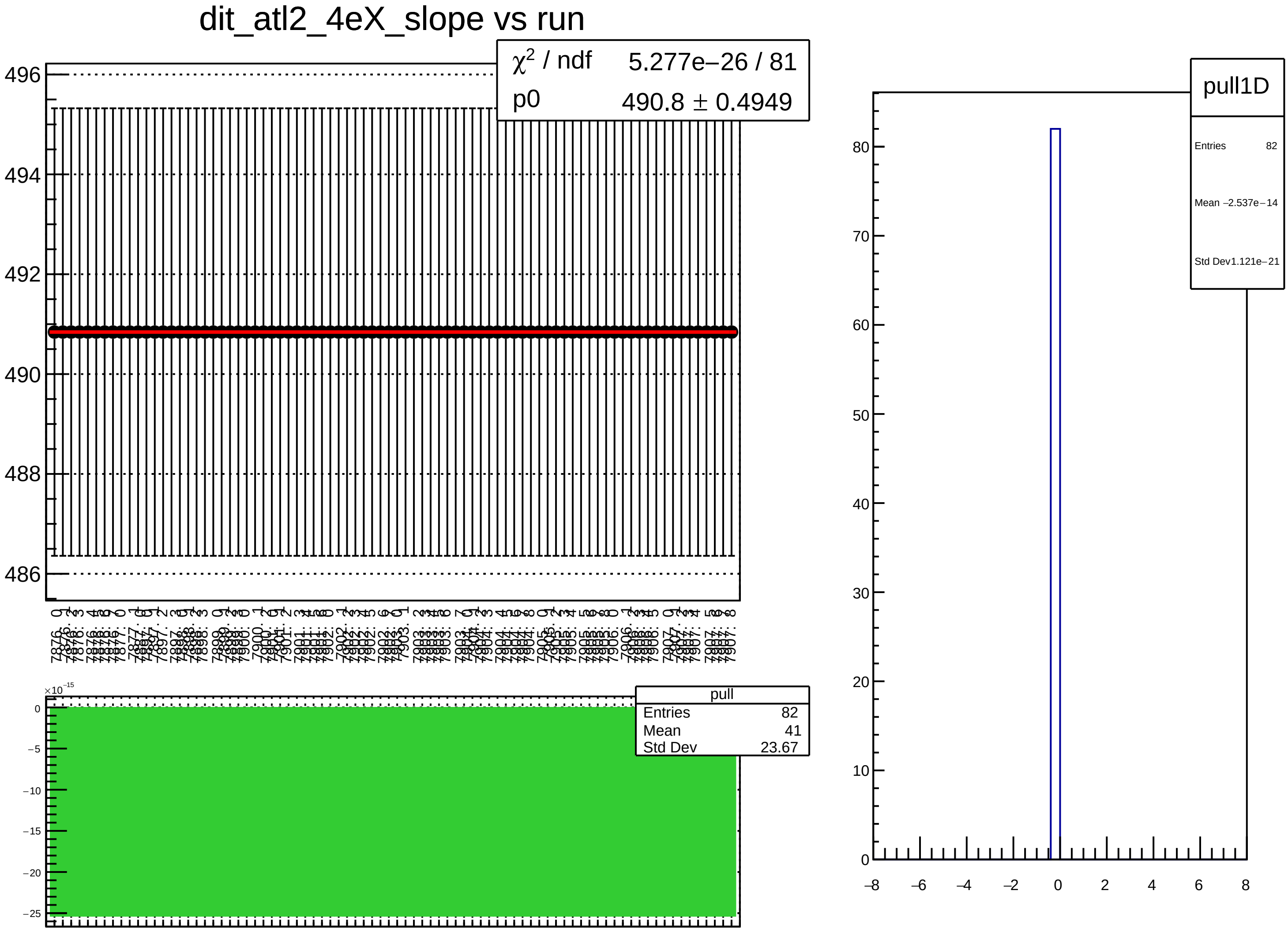
dit_atl1_4aY_slope vs run
χ^2 / ndf 1.105e−27 / 81
p0 9.286 ± 0.3207
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.671e−15
Std Dev 2.05e−22



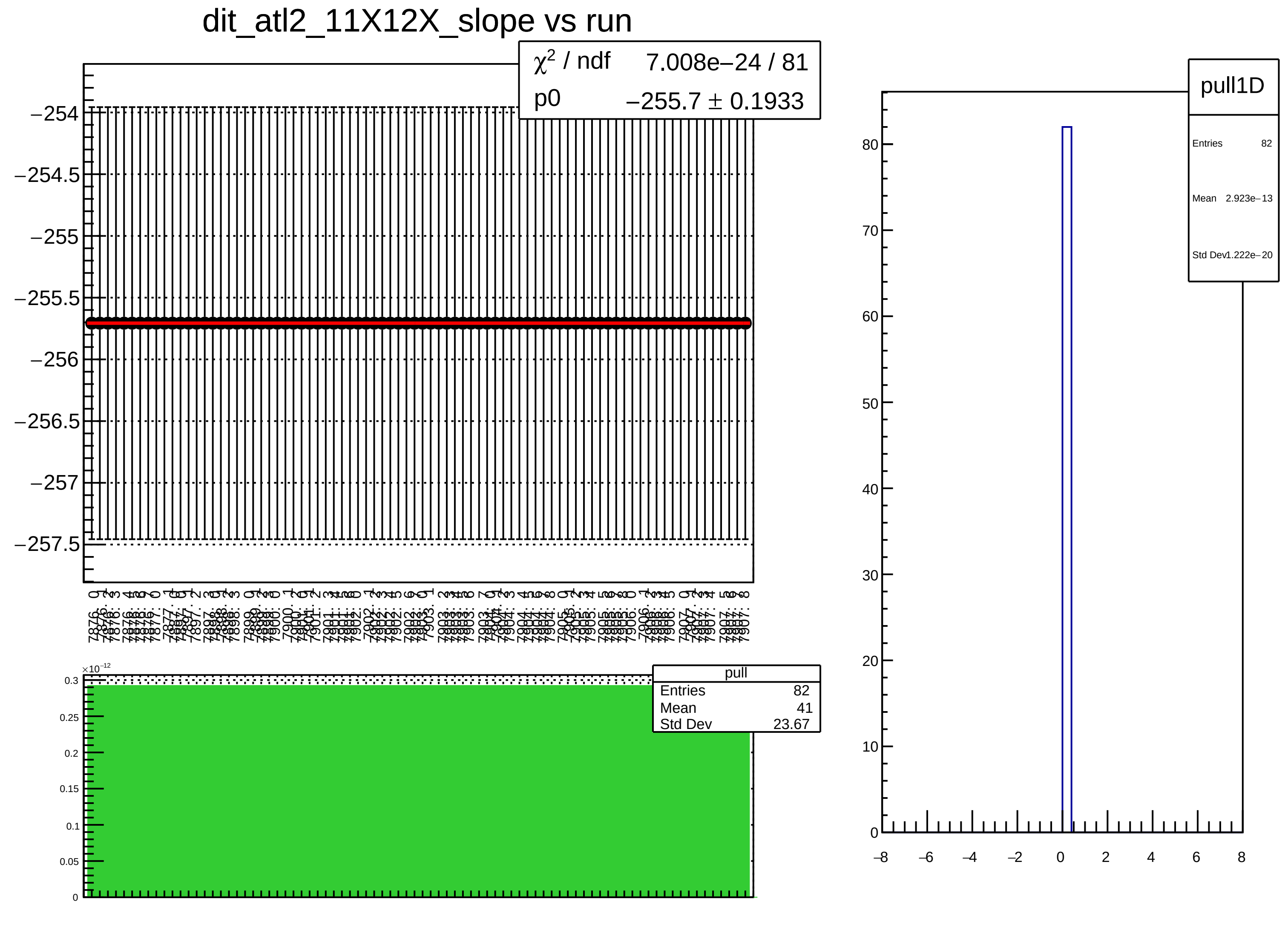
dit_atl1_4eY_slope vs run
χ^2 / ndf 1.326e−26 / 81
p0 −25.34 ± 0.2777
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.272e−14
Std Dev 2.995e−22


dit_atl2_4aX_slope vs run
χ2 / ndf 4.664e−25 / 81
p0 −653.2 ± 0.9988
pull
Entries 82
Mean 41
Std Dev 23.67

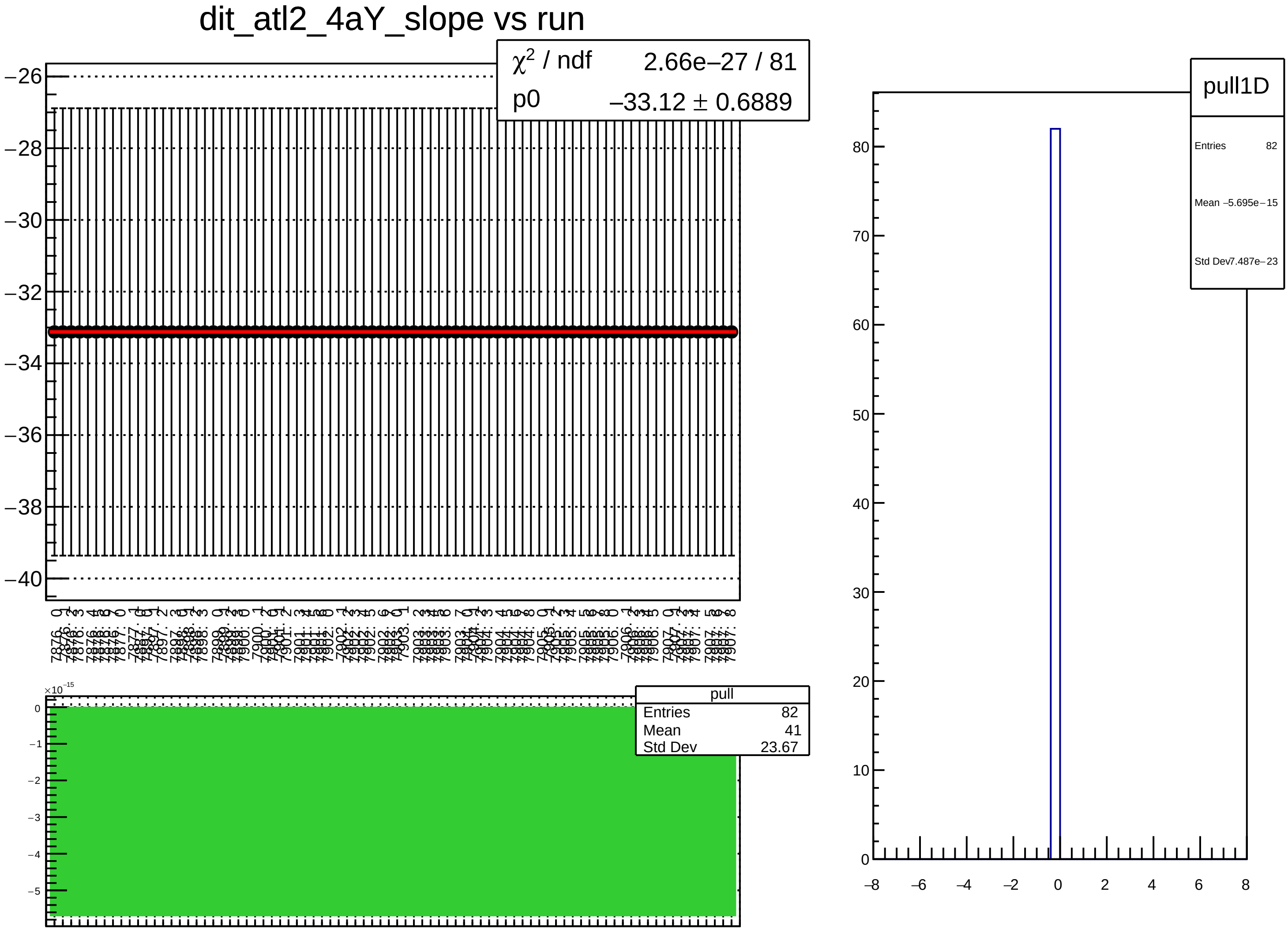

pull1D
Entries 82
Mean −7.542e−14
Std Dev 4.482e−21



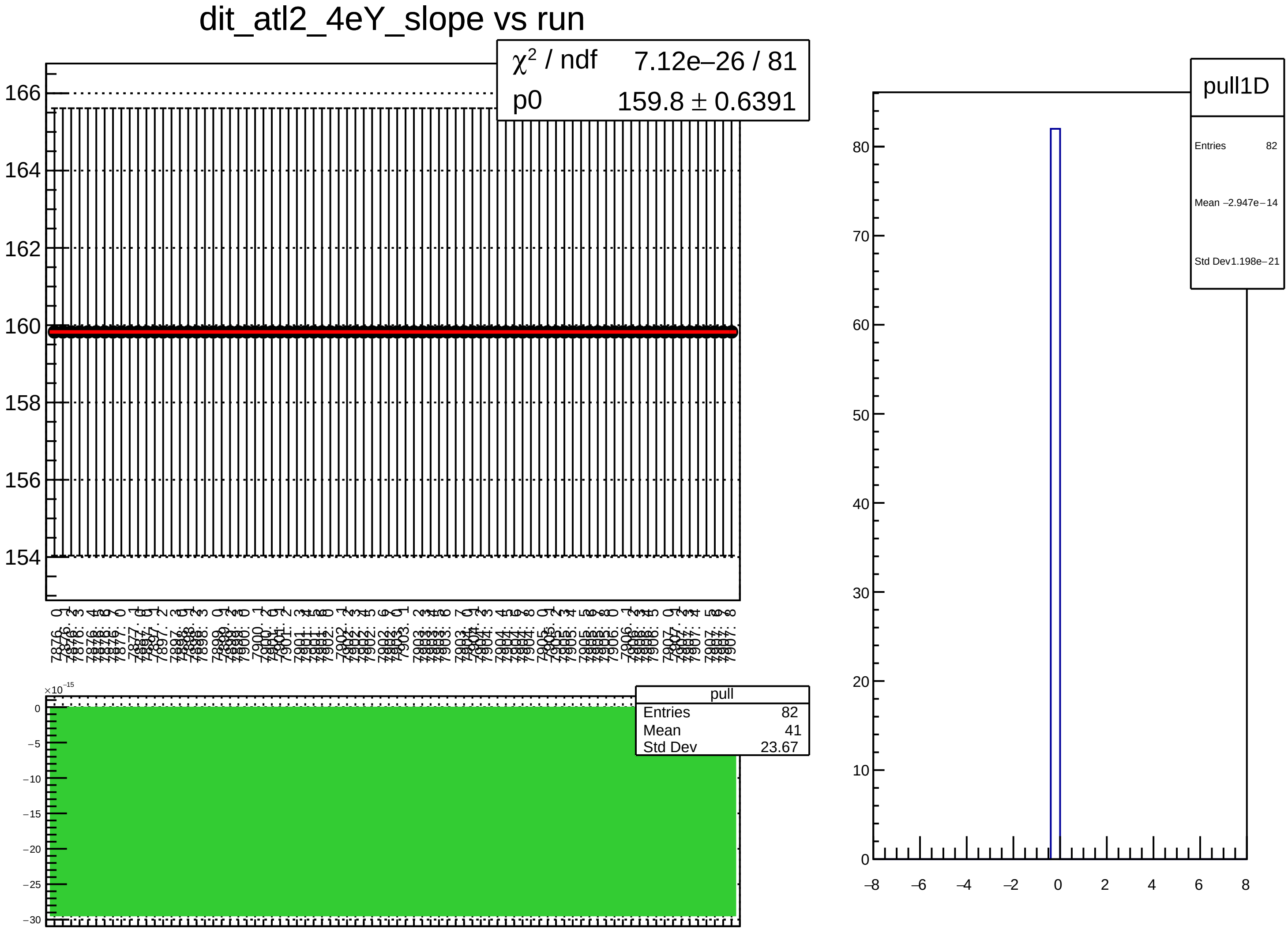
dit_atl2_4eX_slope vs run
χ2 / ndf 5.277e−26 / 81
p0 490.8 ± 0.4949
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.537e−14
Std Dev 1.121e−21

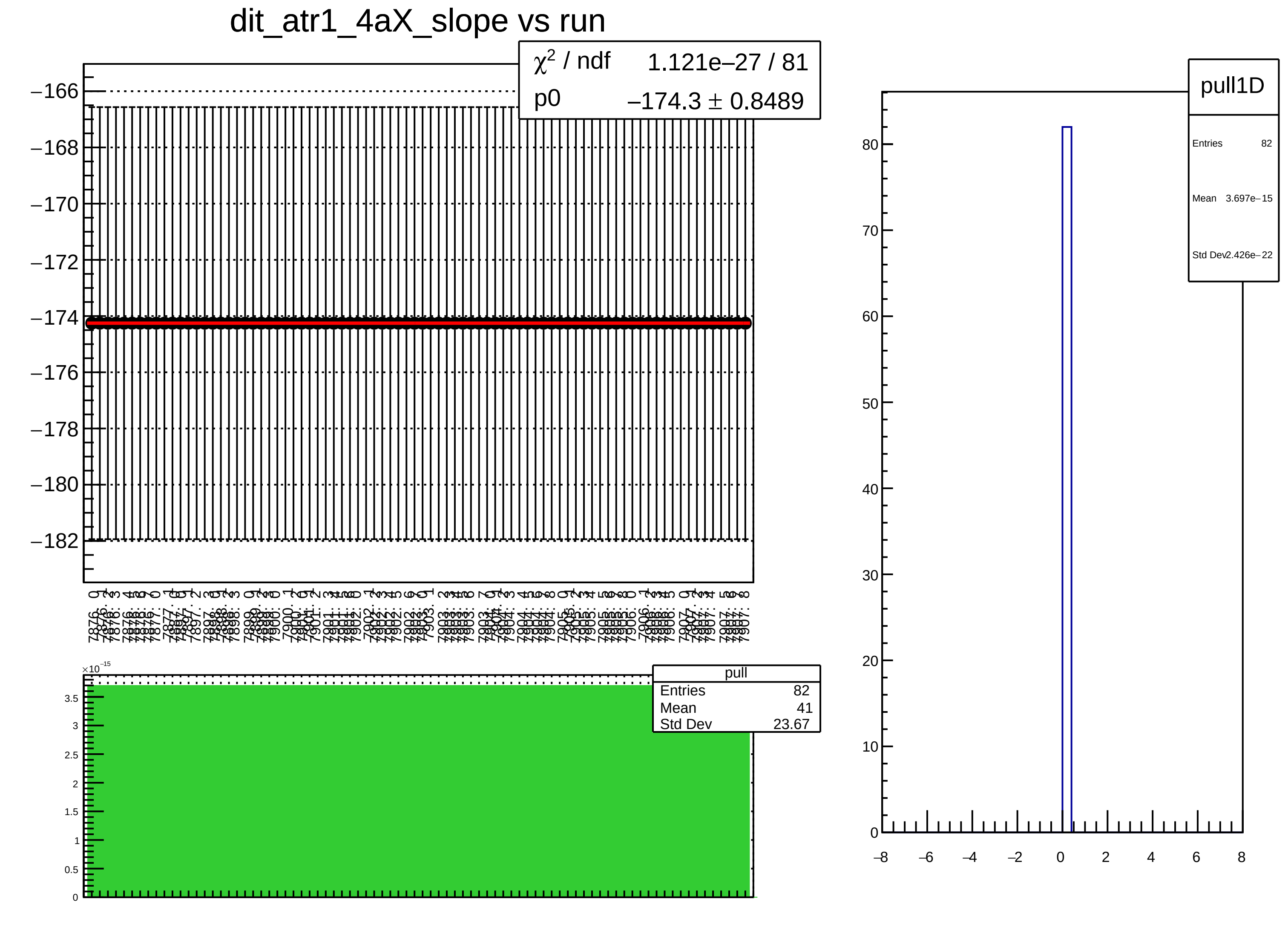


dit_atl2_11X12X_slope vs run
χ2 / ndf 7.008e−24 / 81
p0 −255.7 ± 0.1933
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.923e−13
Std Dev 1.222e−20



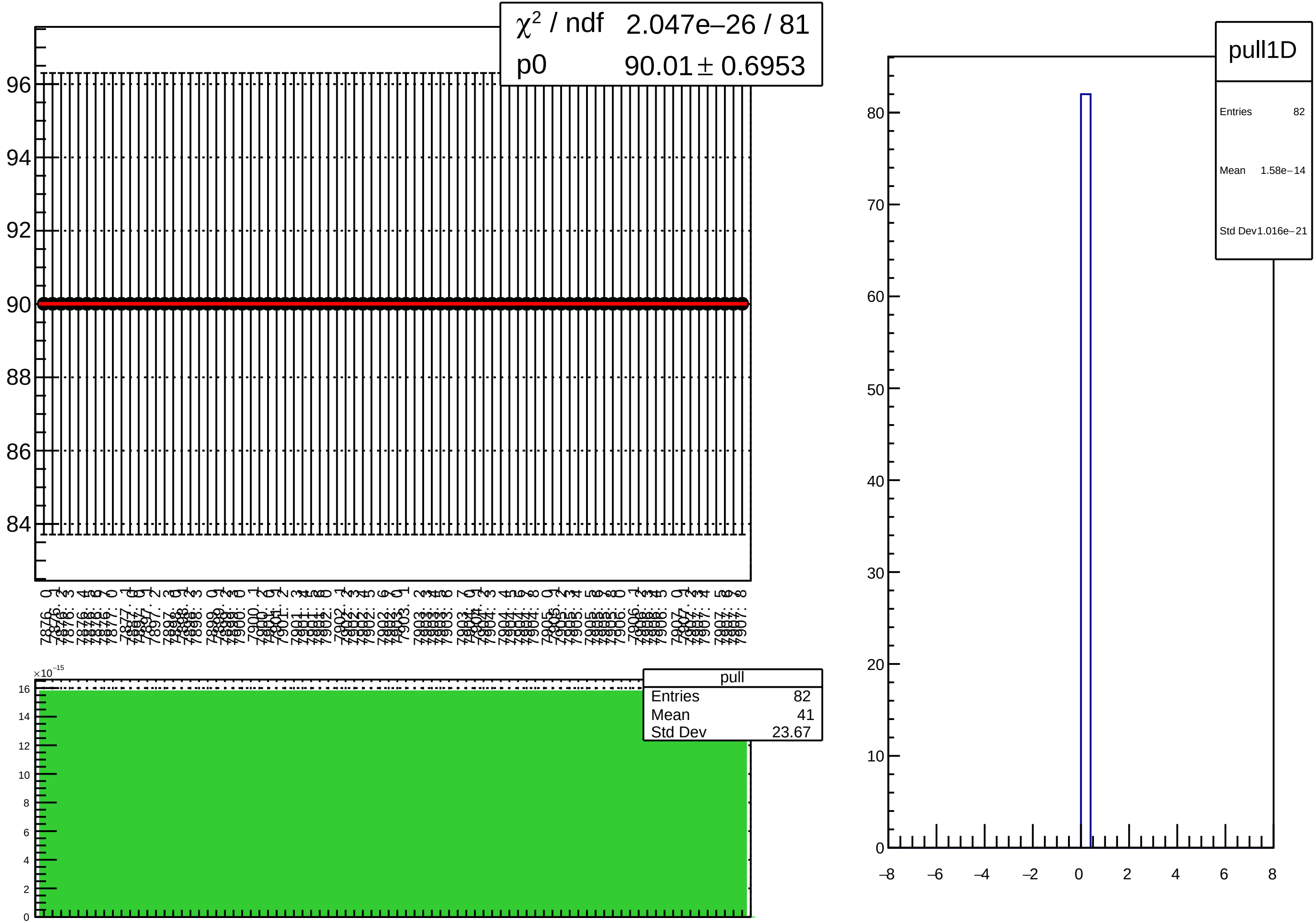
dit_atl2_4aY_slope vs run
χ^2 / ndf 2.66e−27 / 81
p0 −33.12 ± 0.6889
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.695e−15
Std Dev 7.487e−23


dit_atl2_4eY_slope vs run
χ2 / ndf 7.12e−26 / 81
p0 159.8 ± 0.6391
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.947e−14
Std Dev 1.198e−21

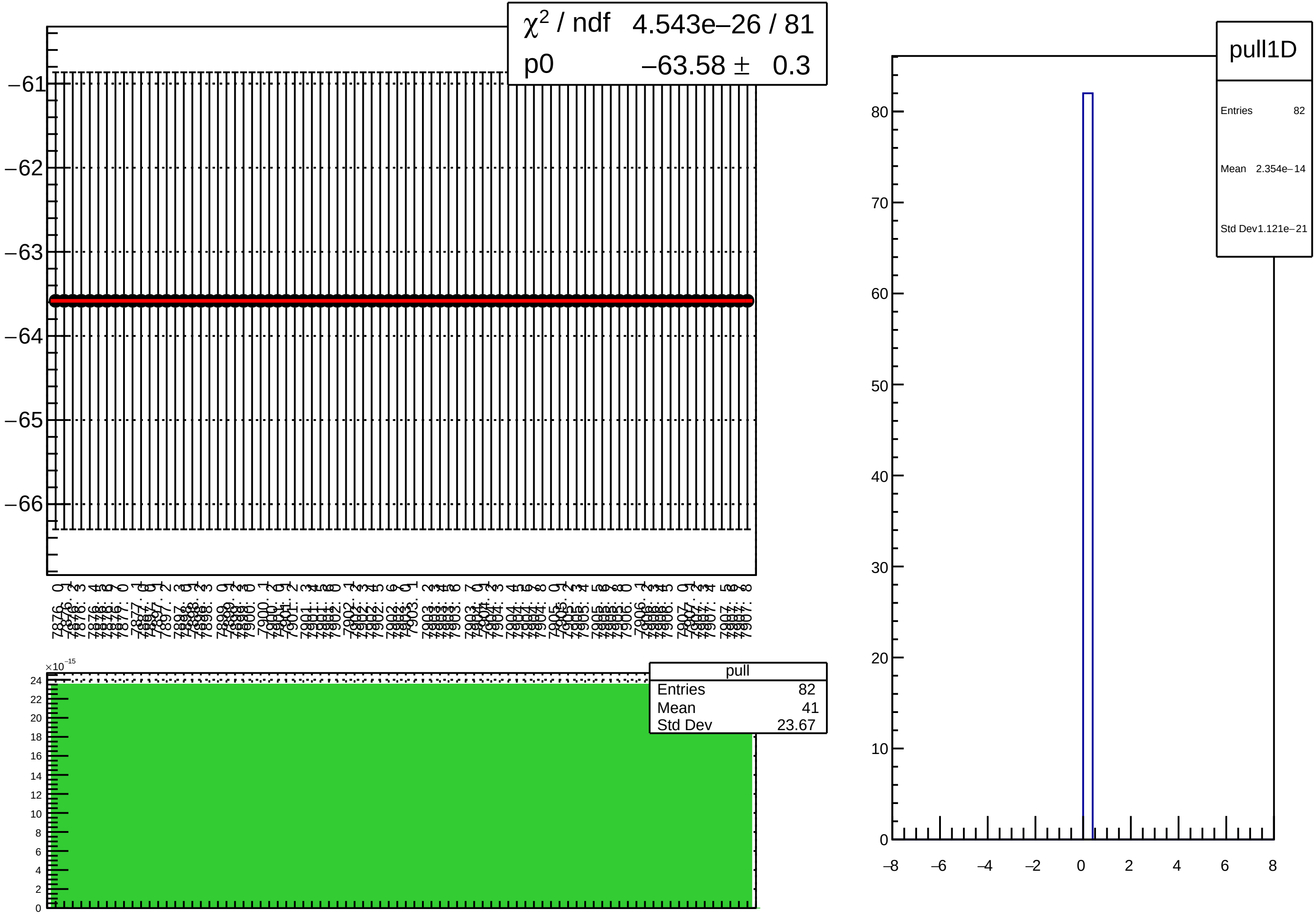


dit_atr1_4aX_slope vs run
χ^2 / ndf 1.121e−27 / 81
p0 −174.3 ± 0.8489
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.697e−15
Std Dev 2.426e−22

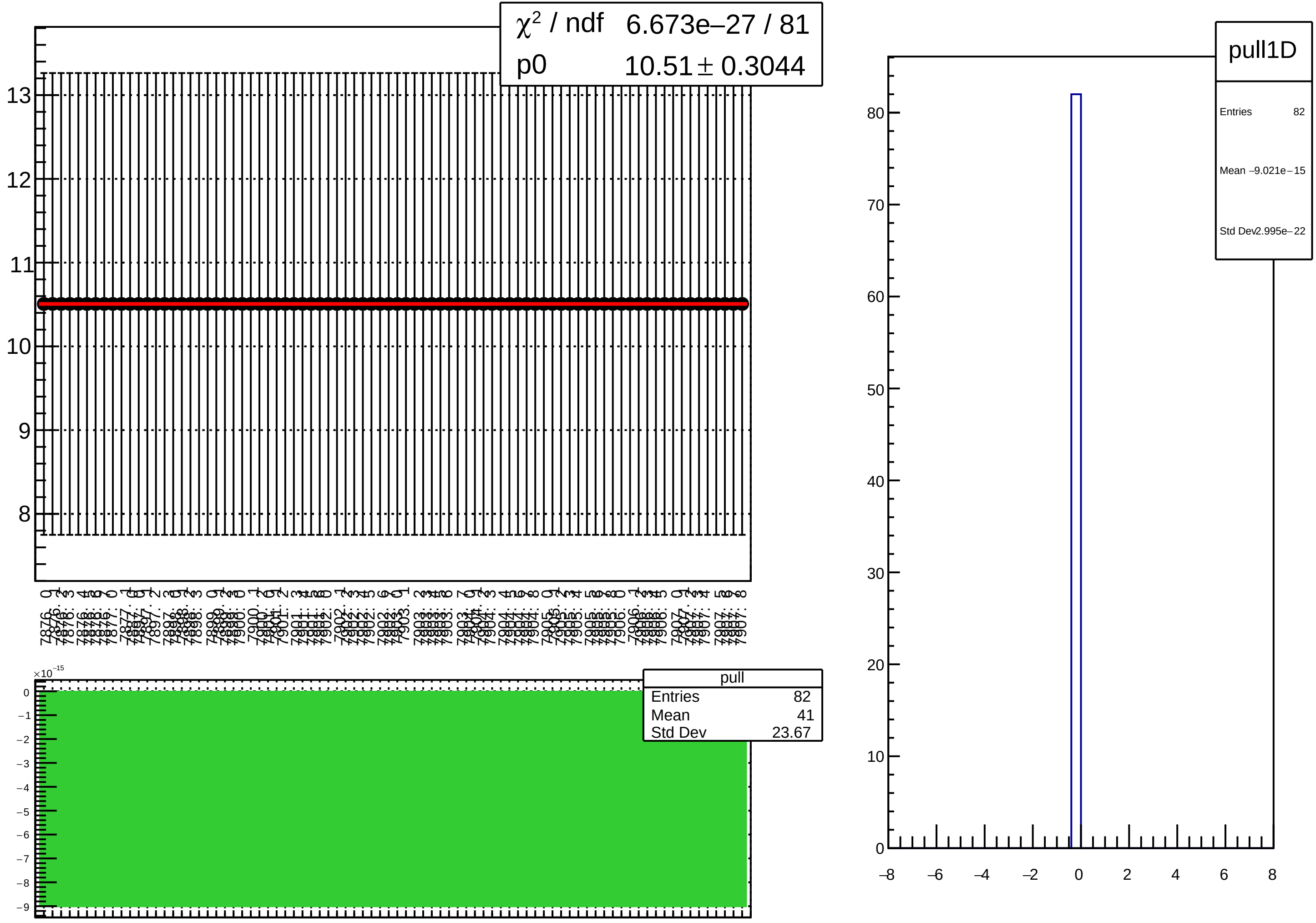
dit_atr1_4eX_slope vs run

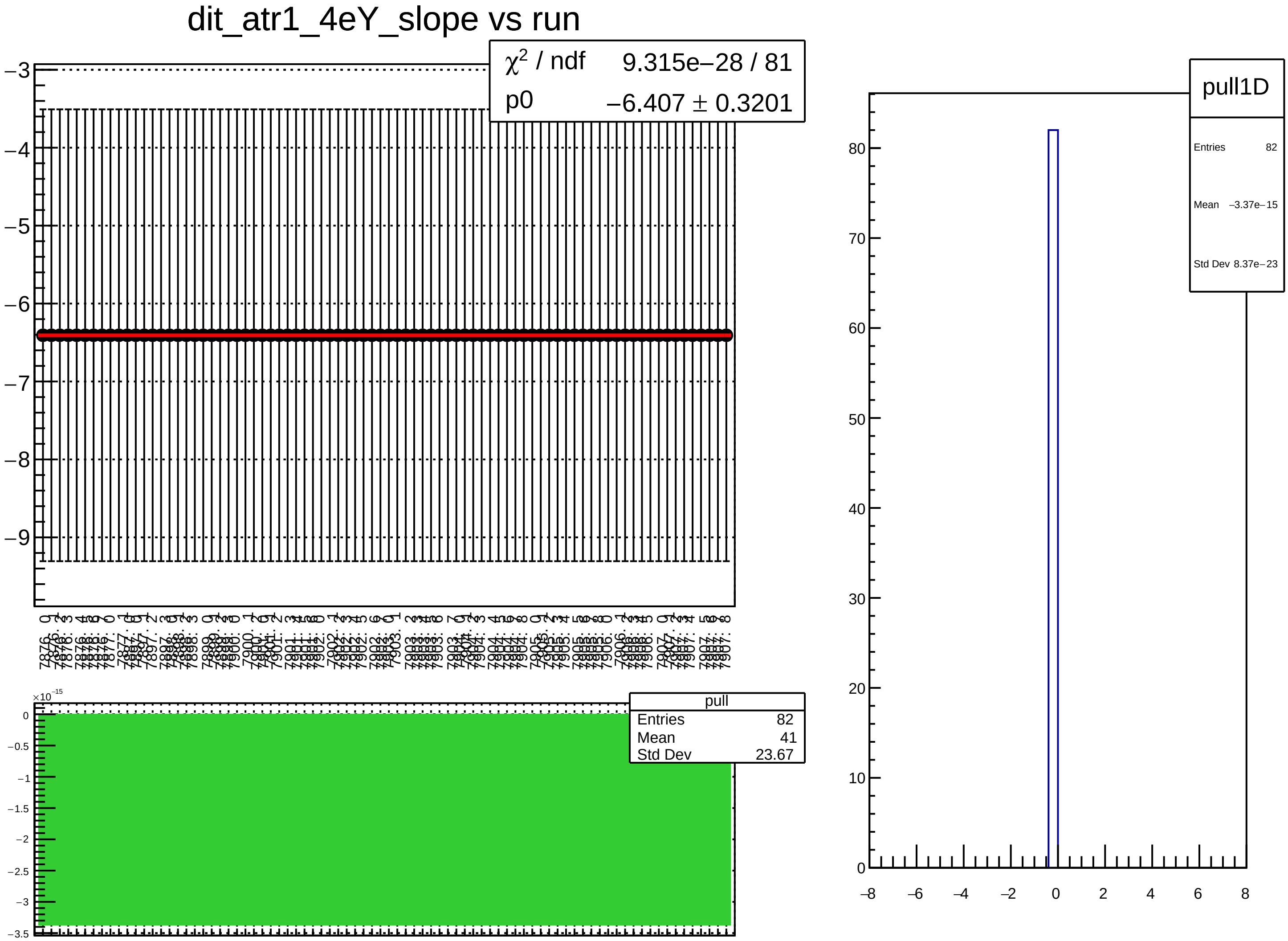


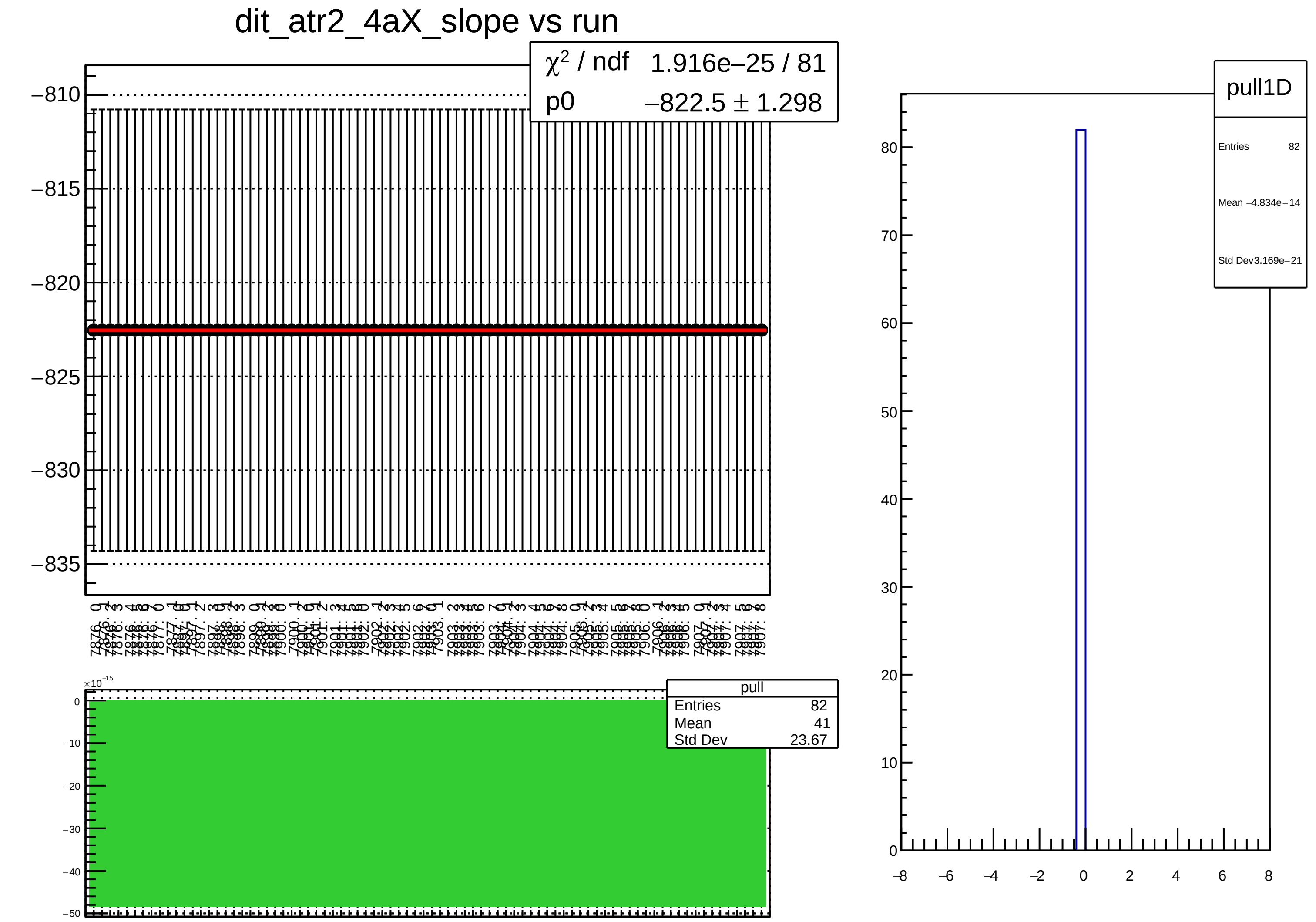
dit_atr1_11X12X_slope vs run



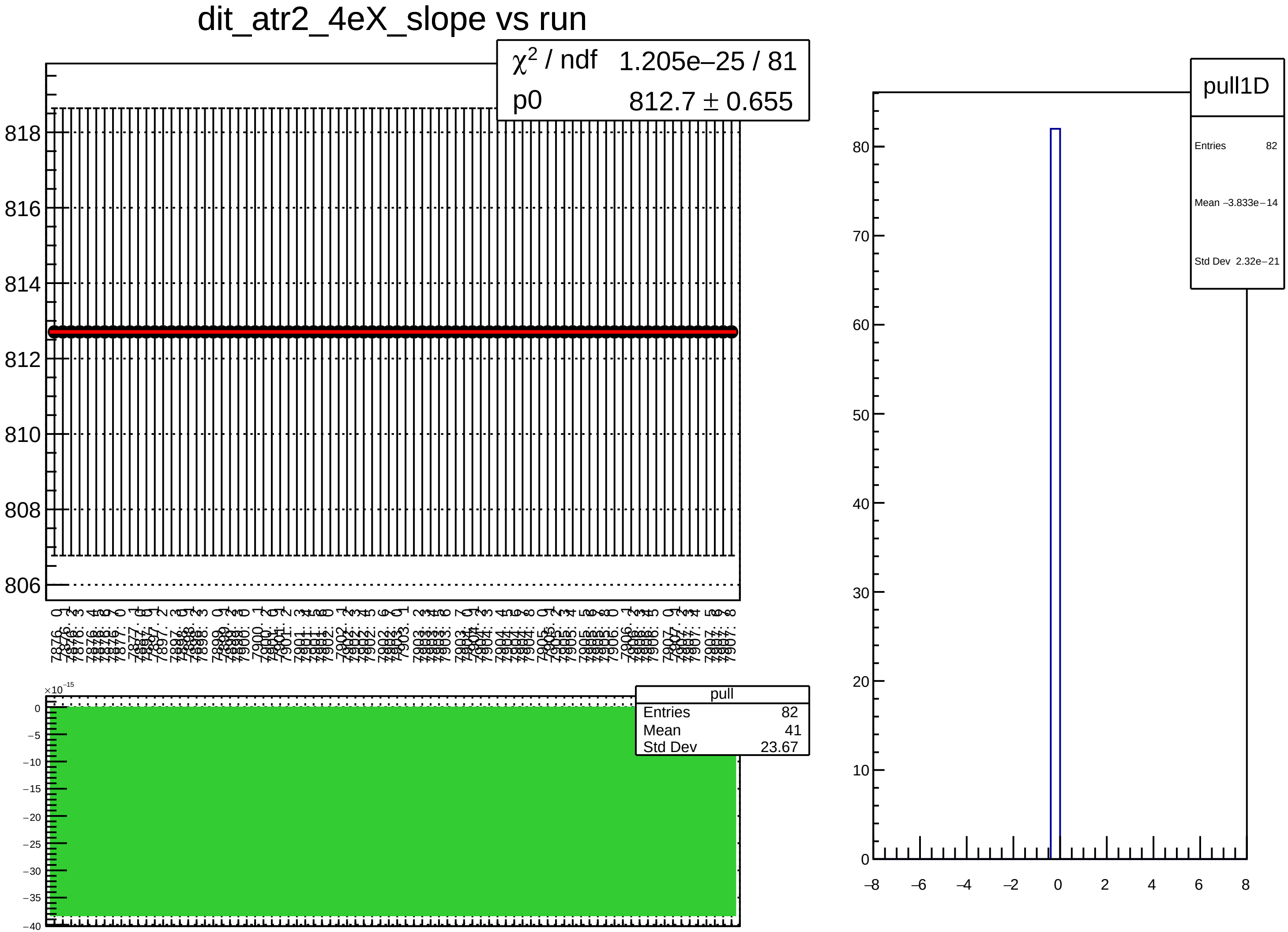
dit_atr1_4aY_slope vs run




dit_atr1_4eY_slope vs run
χ^2 / ndf 9.315e−28 / 81
p0 −6.407 ± 0.3201
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.37e−15
Std Dev 8.37e−23

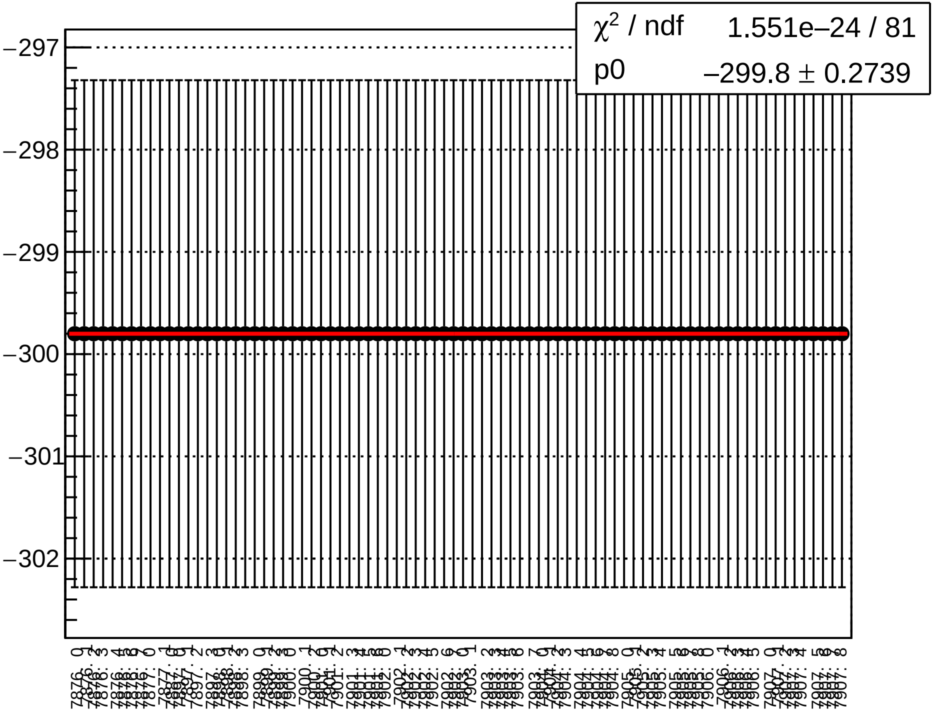


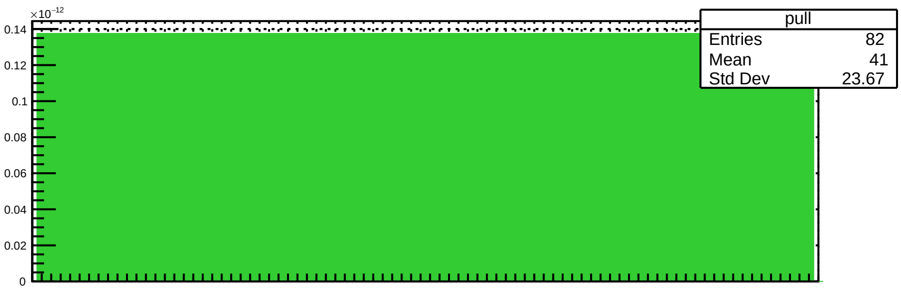
dit_atr2_4aX_slope vs run
χ^2 / ndf 1.916e−25 / 81
p0 −822.5 ± 1.298
−810
−815
−820
−825
−830
−835
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.834e−14
Std Dev 3.169e−21

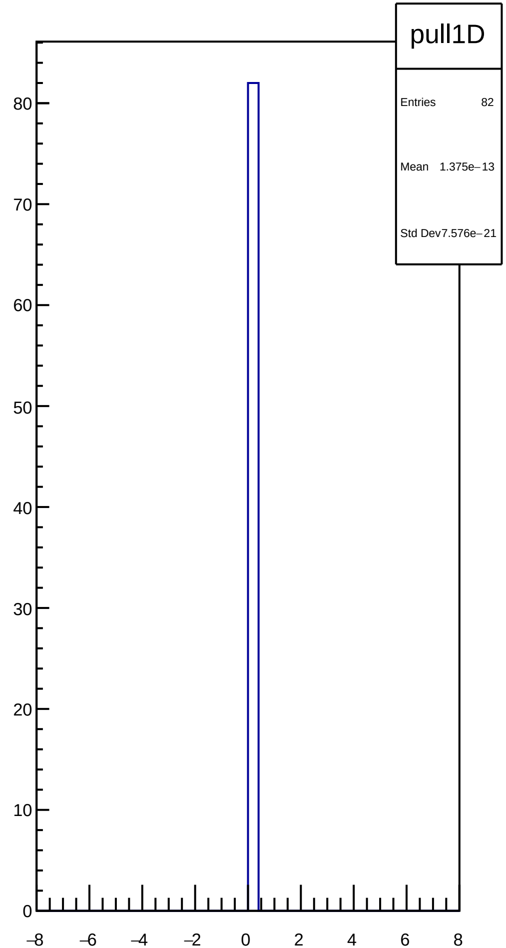


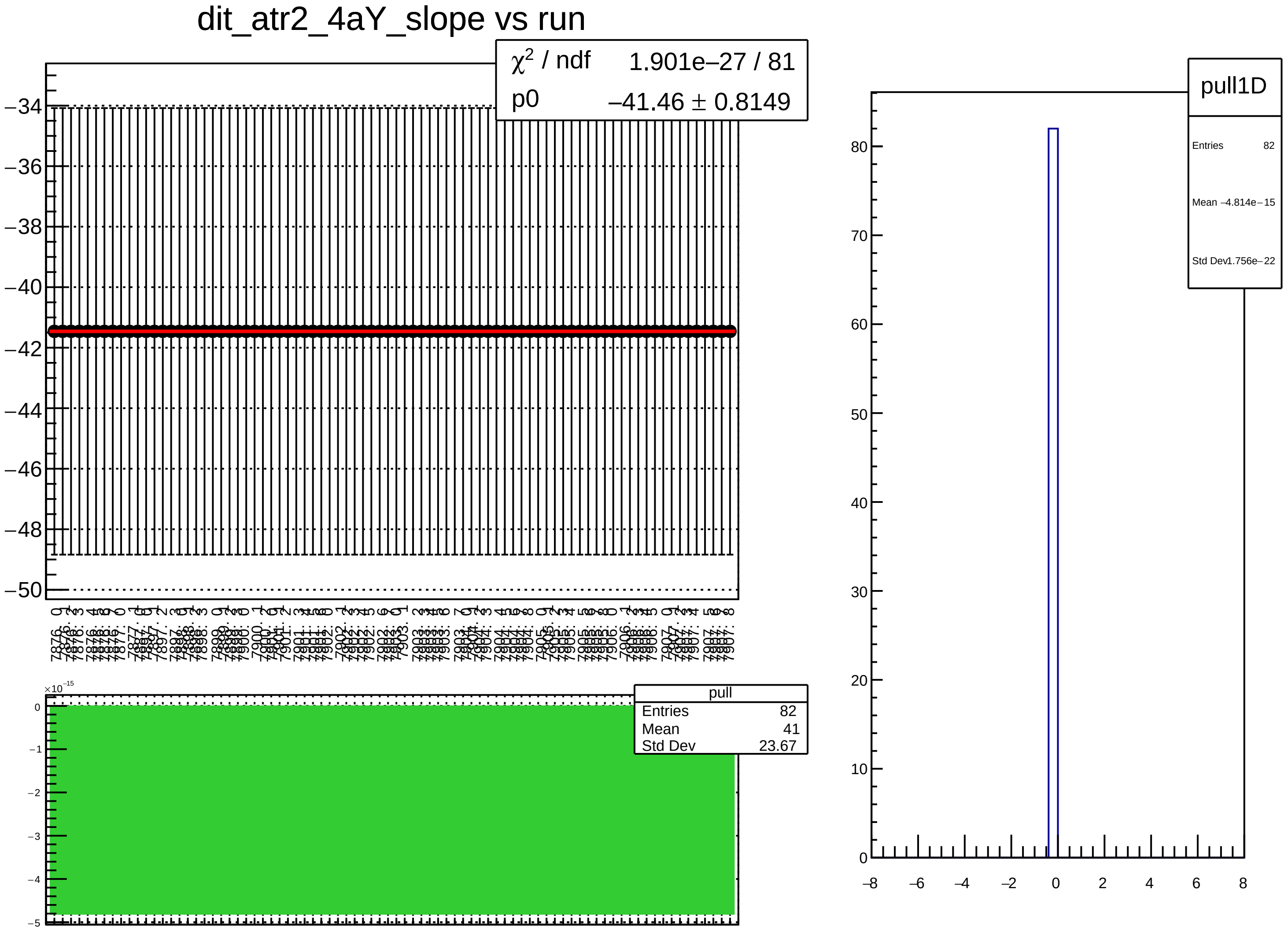
dit_atr2_4eX_slope vs run
χ2 / ndf 1.205e−25 / 81
p0 812.7 ± 0.655
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.833e−14
Std Dev 2.32e−21

dit_atr2_11X12X_slope vs run

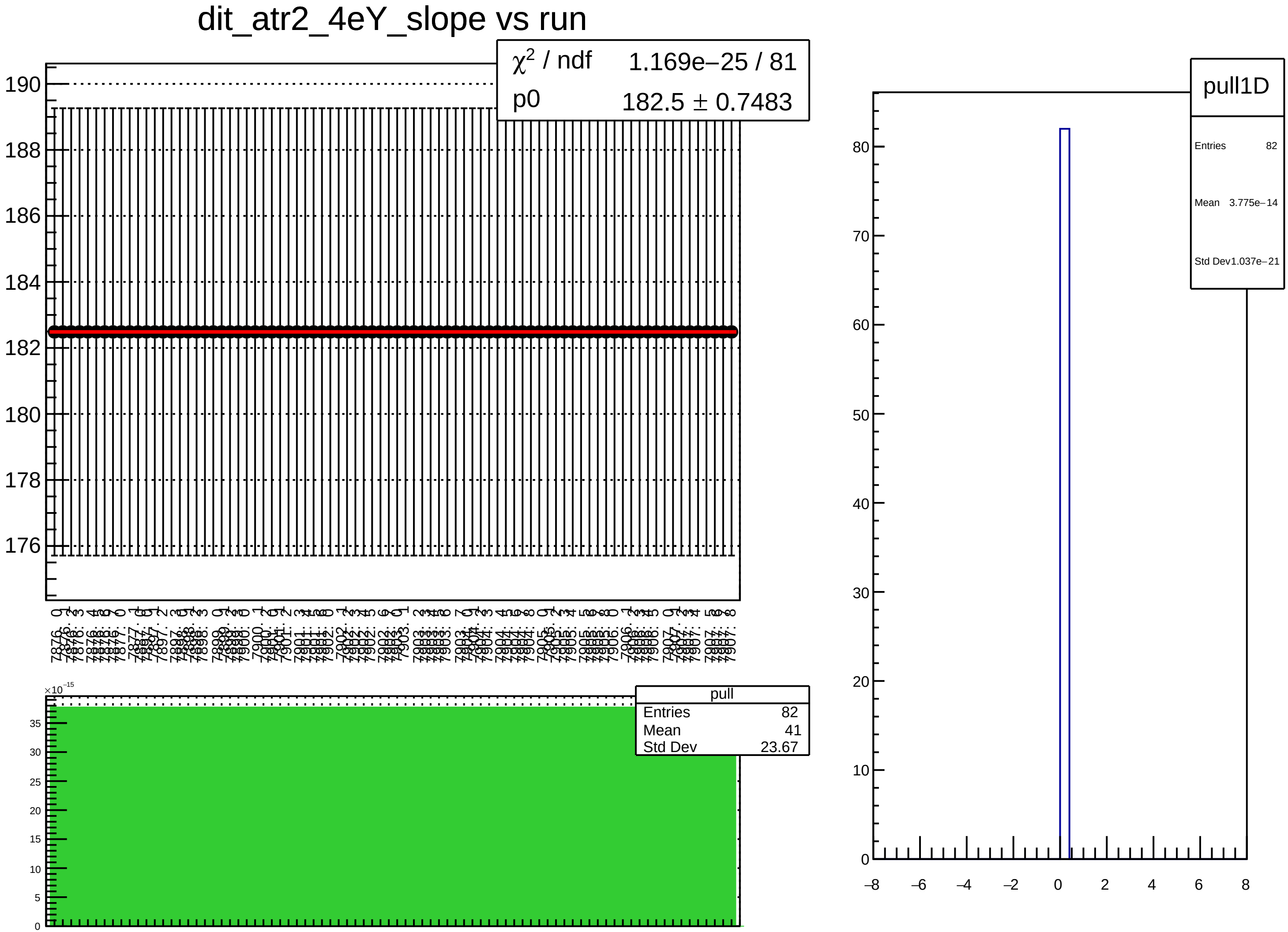




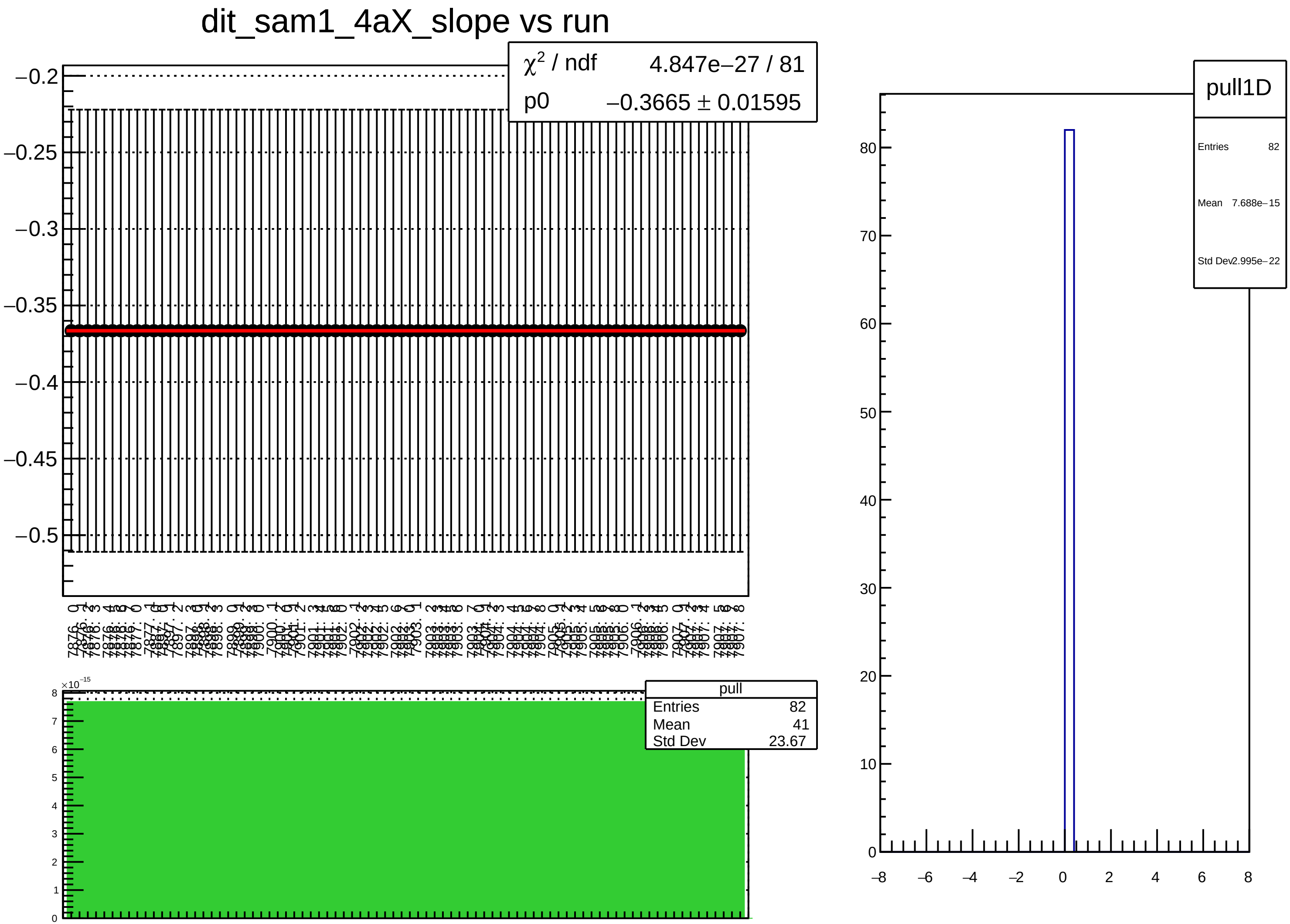


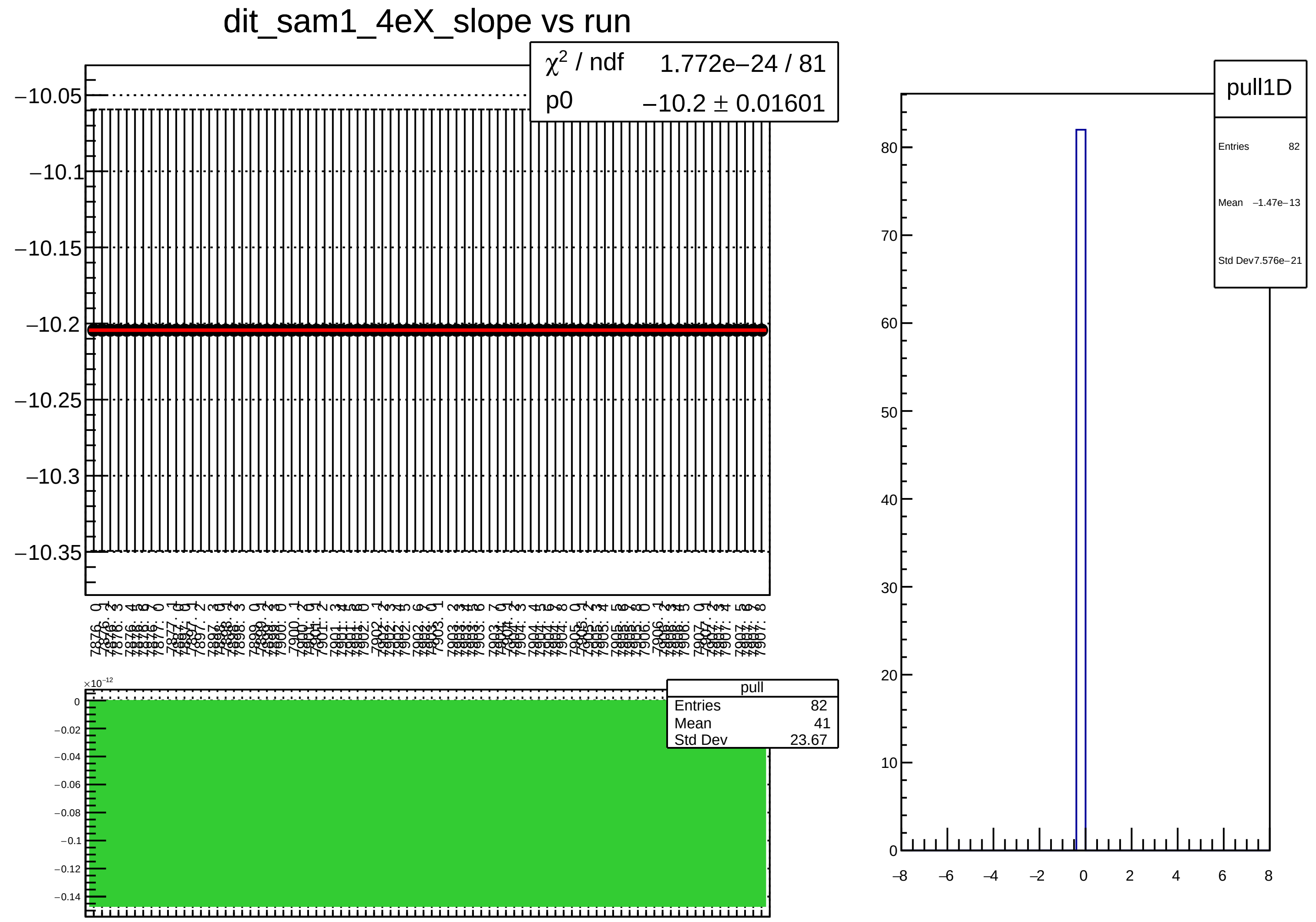


dit_atr2_4aY_slope vs run
χ^2 / ndf 1.901e−27 / 81
p0 −41.46 ± 0.8149
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.814e−15
Std Dev 1.756e−22

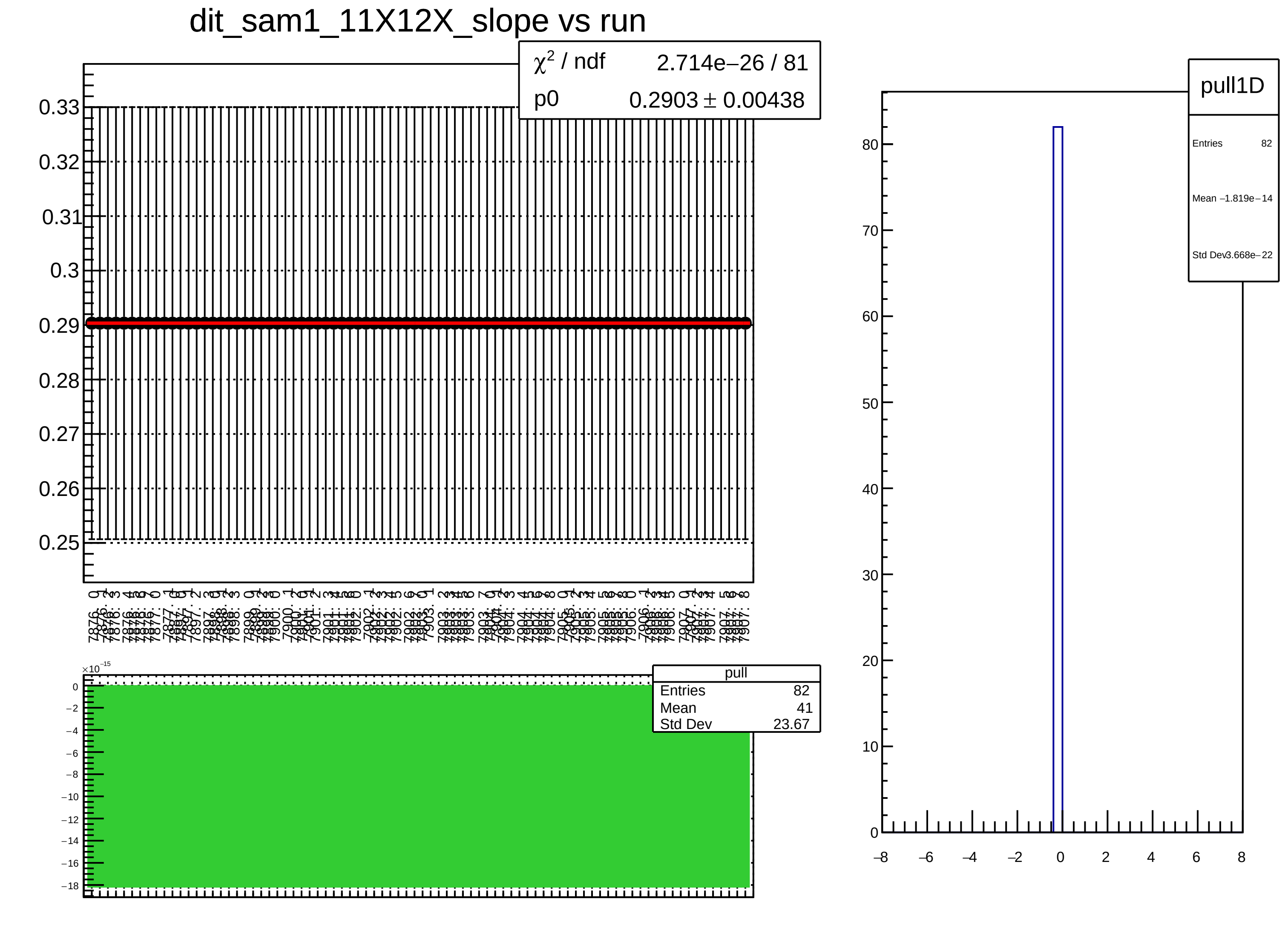


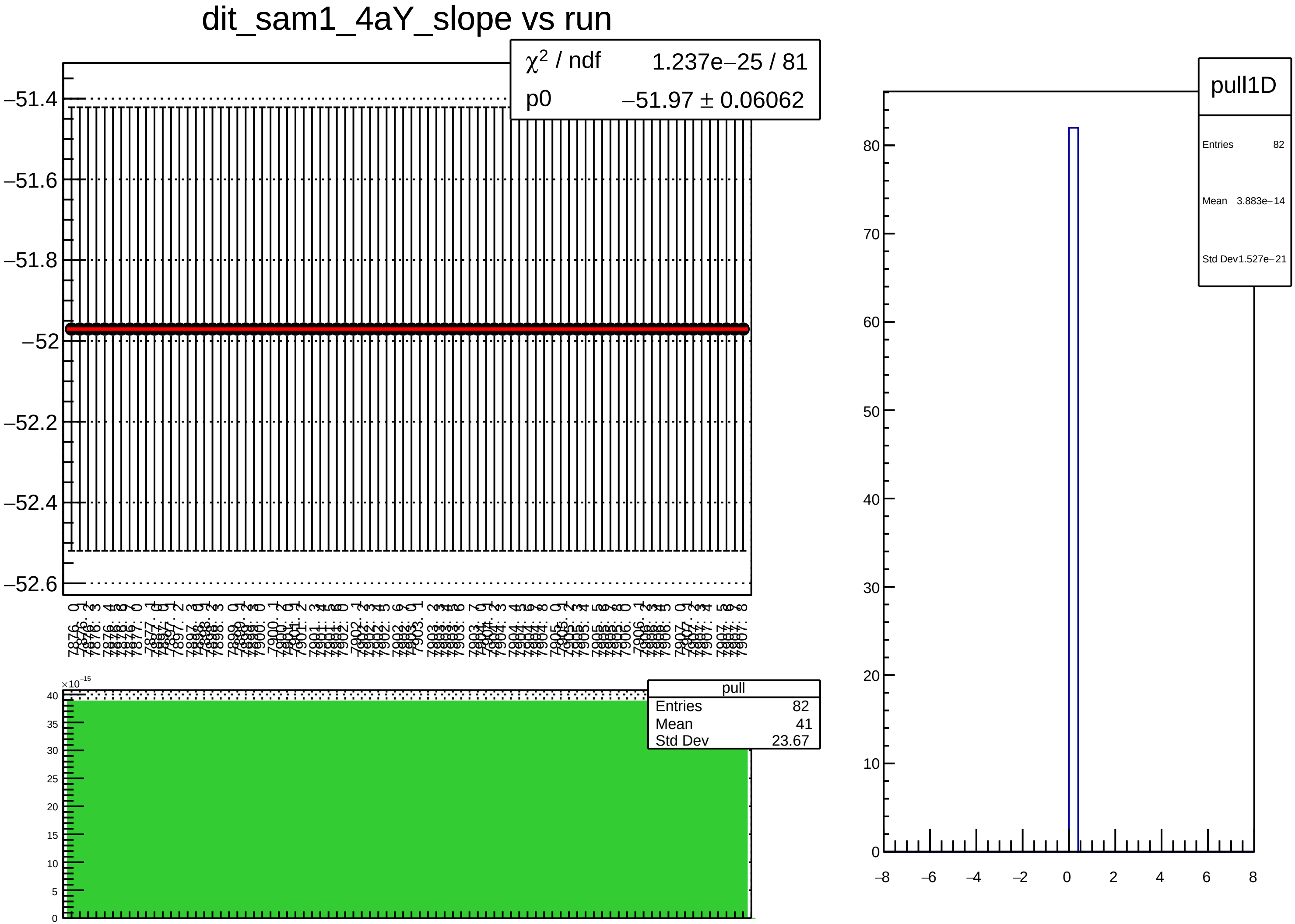
dit_atr2_4eY_slope vs run
χ^2 / ndf 1.169e−25 / 81
p0 182.5 ± 0.7483
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.775e−14
Std Dev 1.037e−21


dit_sam1_4aX_slope vs run
χ2 / ndf 4.847e−27 / 81
p0 −0.3665 ± 0.01595
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.688e−15
Std Dev 2.995e−22

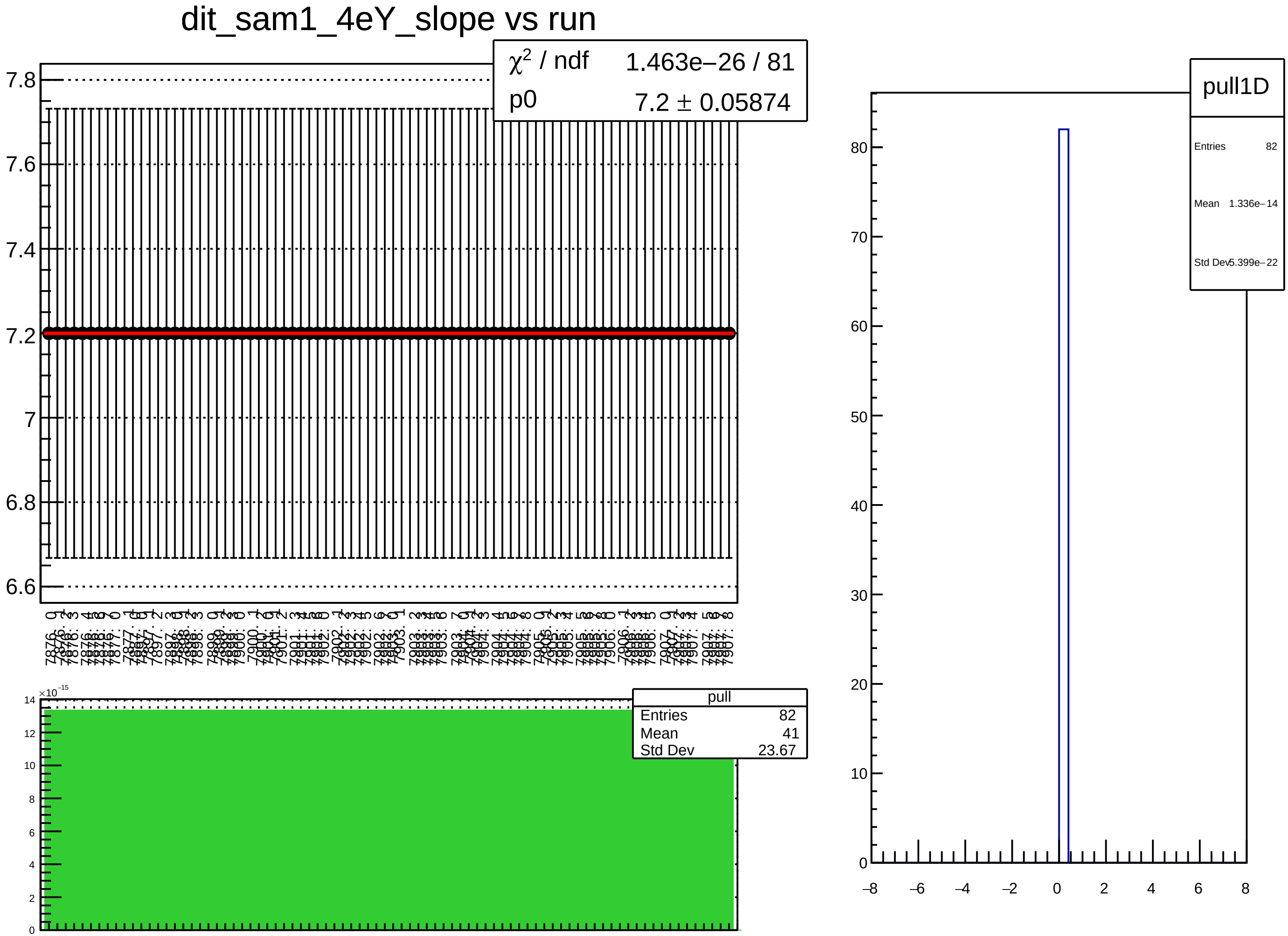


dit_sam1_4eX_slope vs run
χ2 / ndf 1.772e−24 / 81
p0 −10.2 ± 0.01601
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.47e−13
Std Dev 7.576e−21

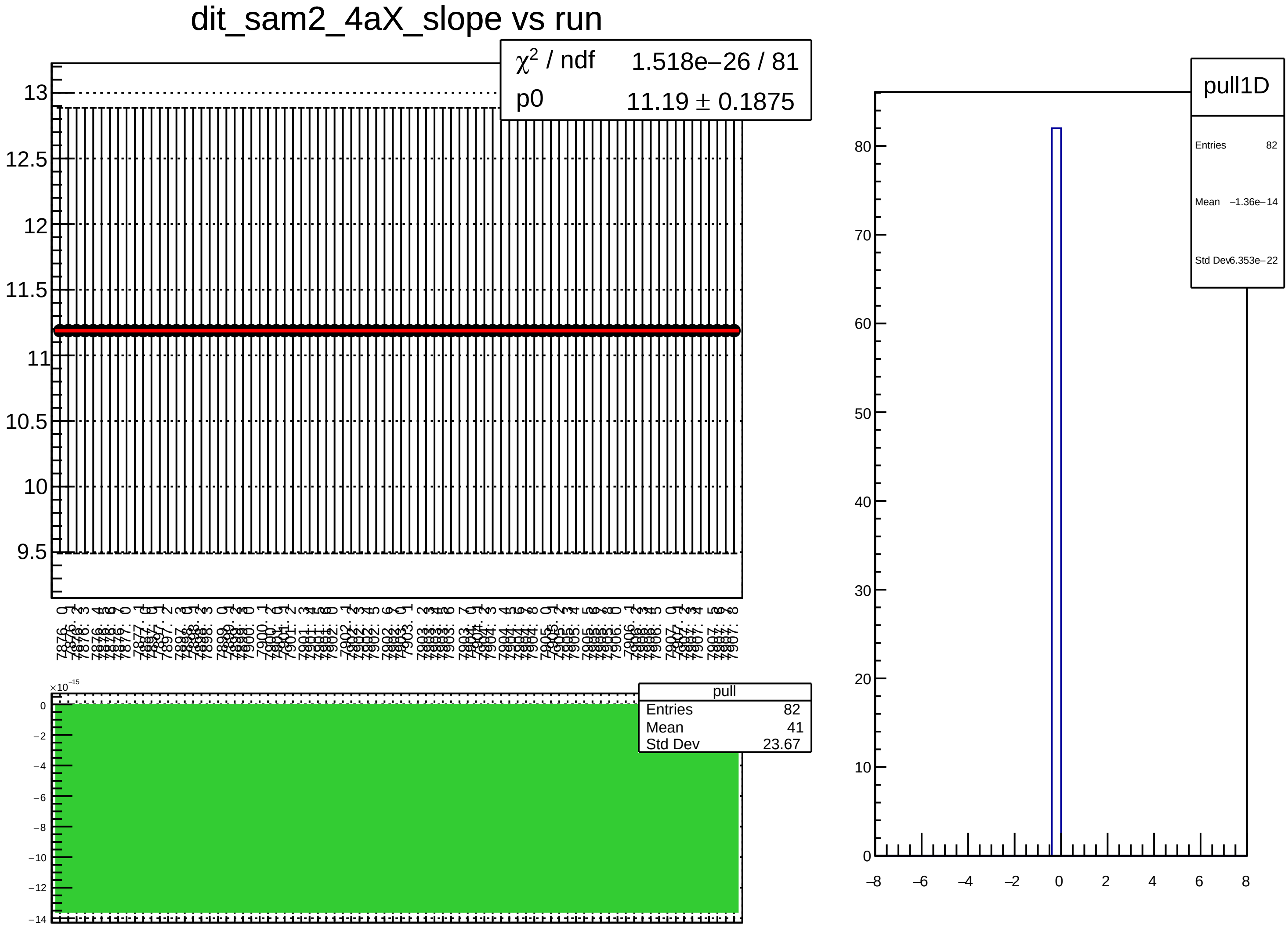

dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.714e−26 / 81
p0 0.2903 ± 0.00438
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.819e−14
Std Dev3.668e−22



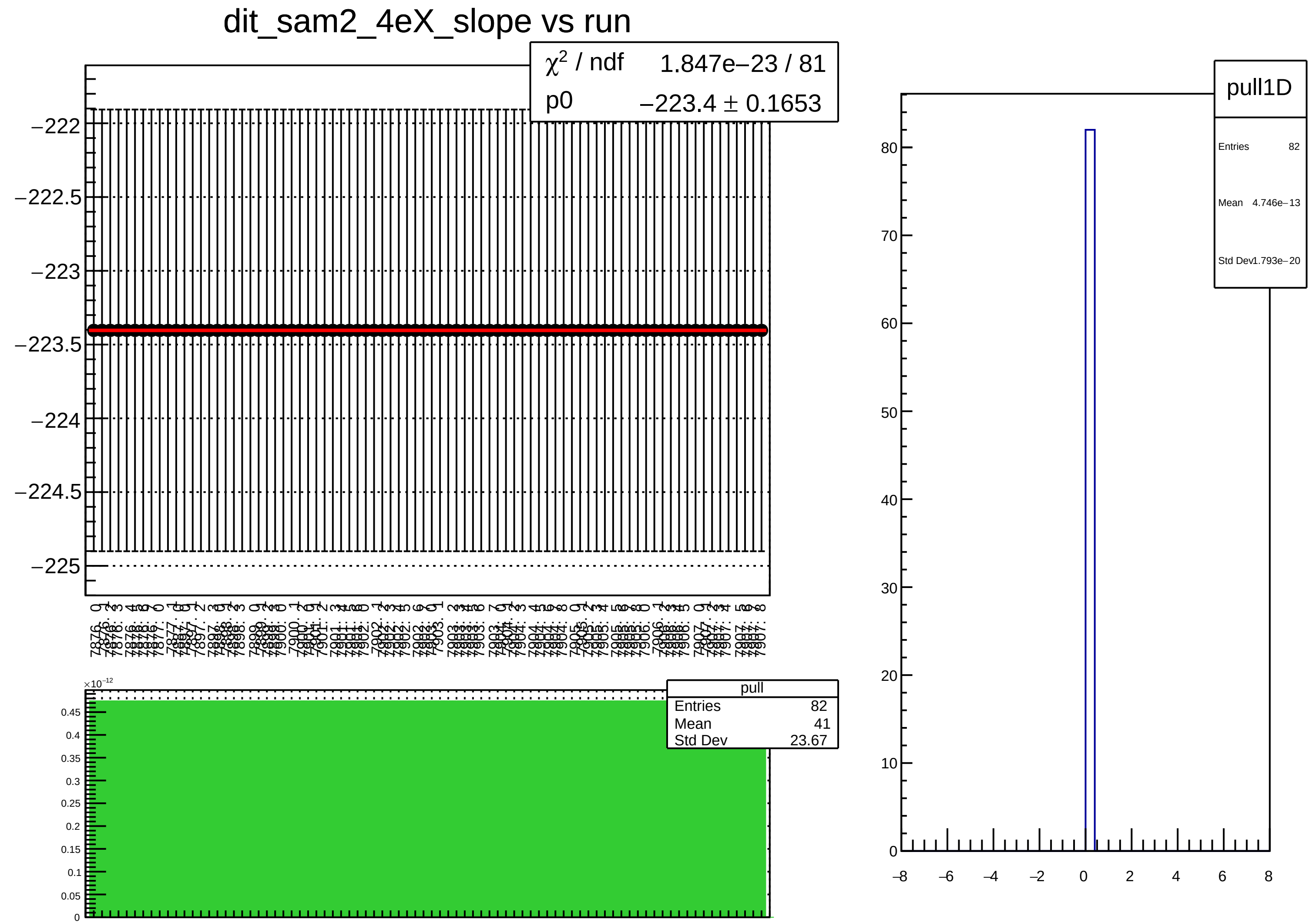
dit_sam1_4aY_slope vs run
χ^2 / ndf 1.237e−25 / 81
p0 −51.97 ± 0.06062
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.883e−14
Std Dev 1.527e−21



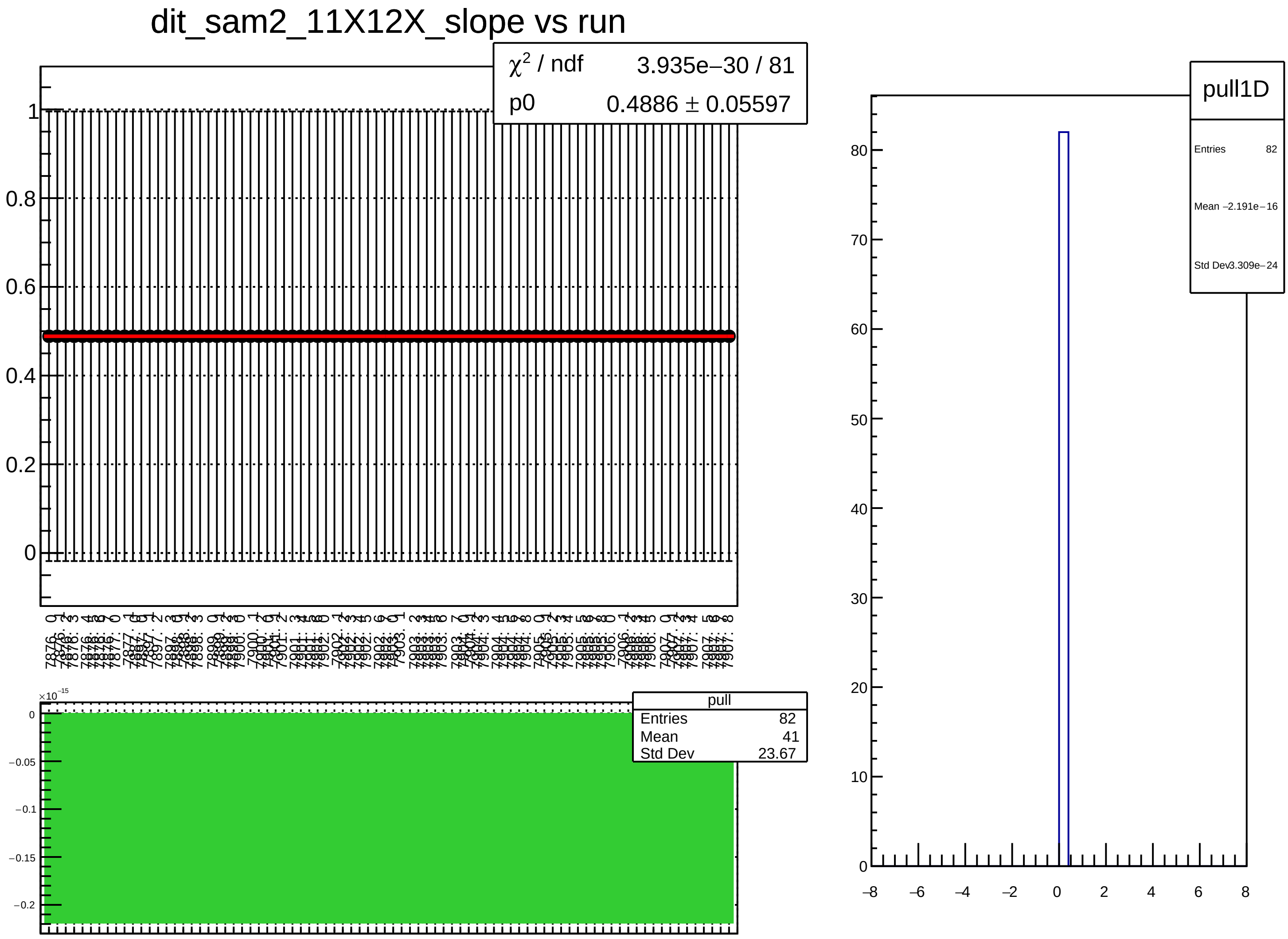
dit_sam1_4eY_slope vs run
χ2 / ndf 1.463e−26 / 81
p0 7.2 ± 0.05874
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.336e−14
Std Dev 5.399e−22

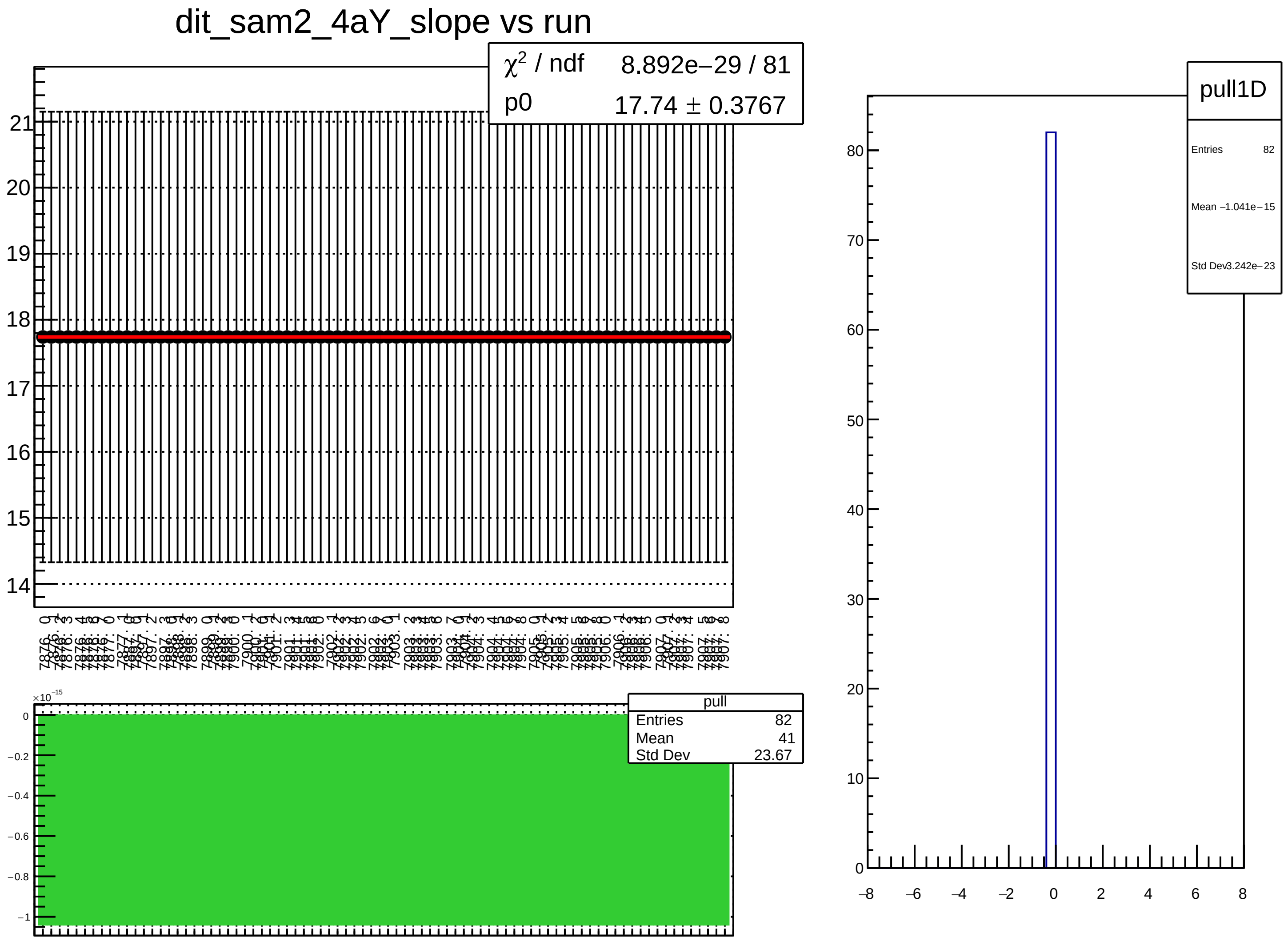


dit_sam2_4aX_slope vs run
χ^2 / ndf 1.518e−26 / 81
p0 11.19 ± 0.1875
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.36e−14
Std Dev 6.353e−22

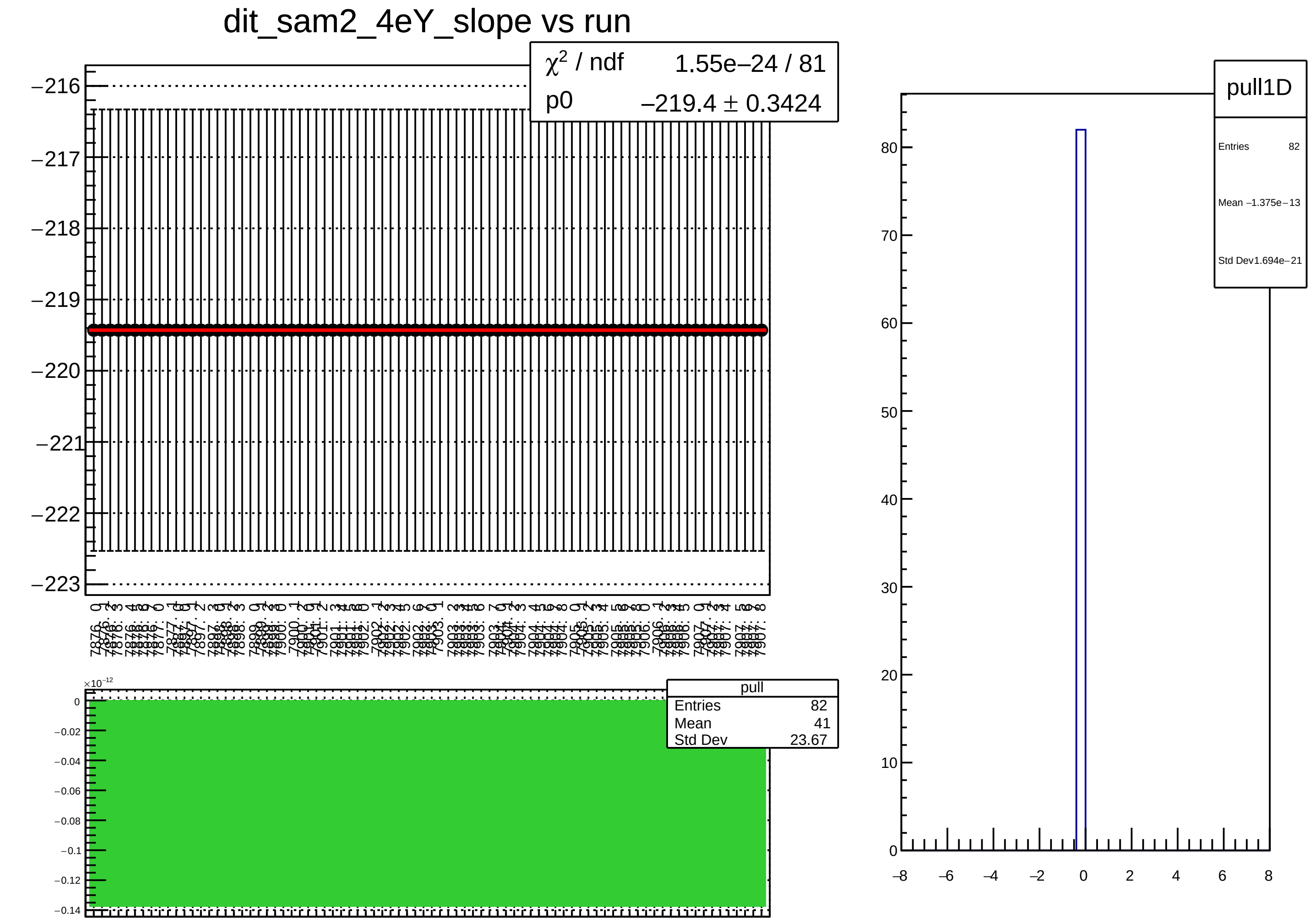


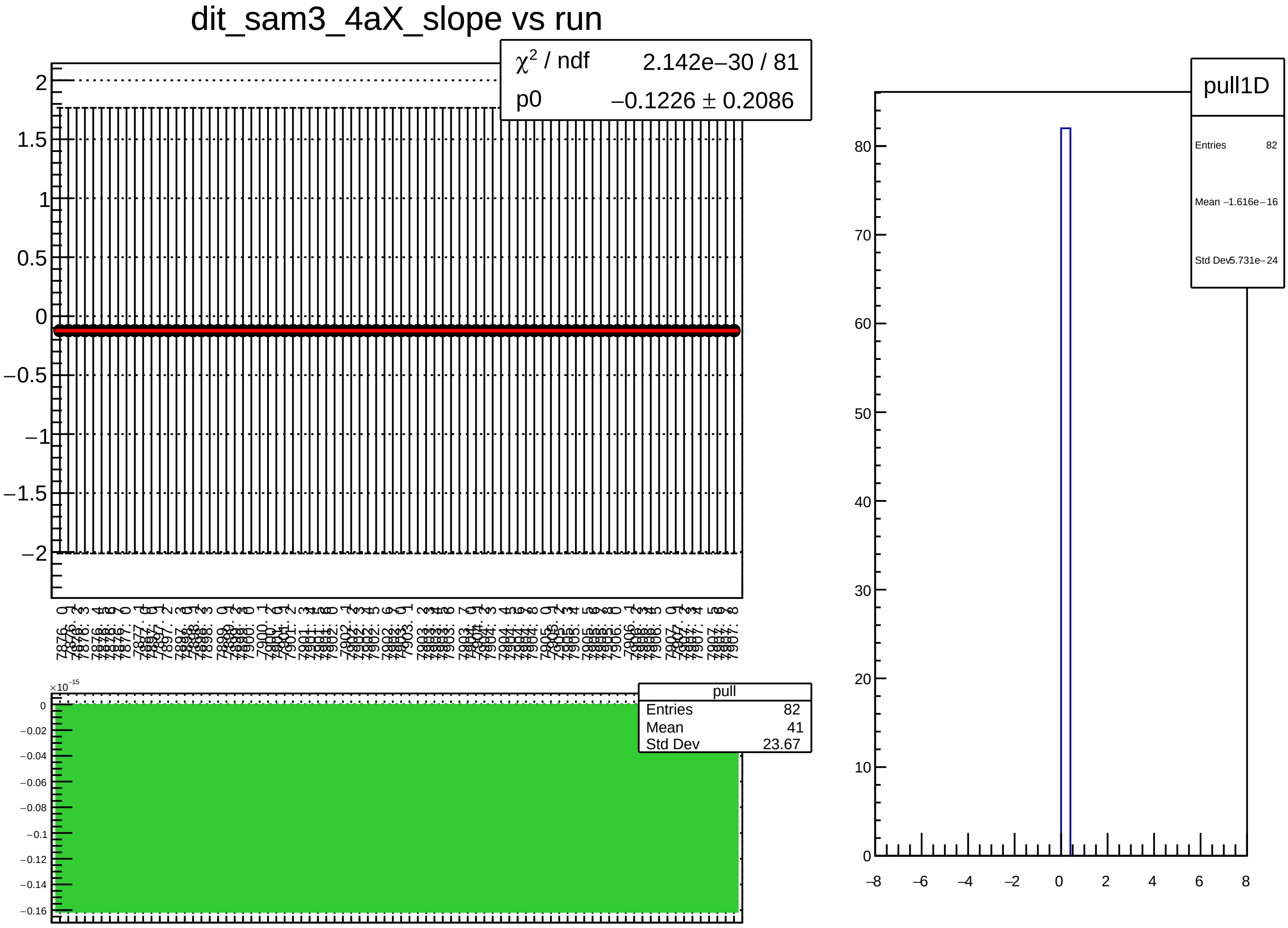
dit_sam2_4eX_slope vs run
χ^2 / ndf 1.847e−23 / 81
p0 −223.4 ± 0.1653
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.746e−13
Std Dev 1.793e−20


dit_sam2_11X12X_slope vs run
χ^2 / ndf 3.935e−30 / 81
p0 0.4886 ± 0.05597
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean −2.191e−16
Std Dev 3.309e−24

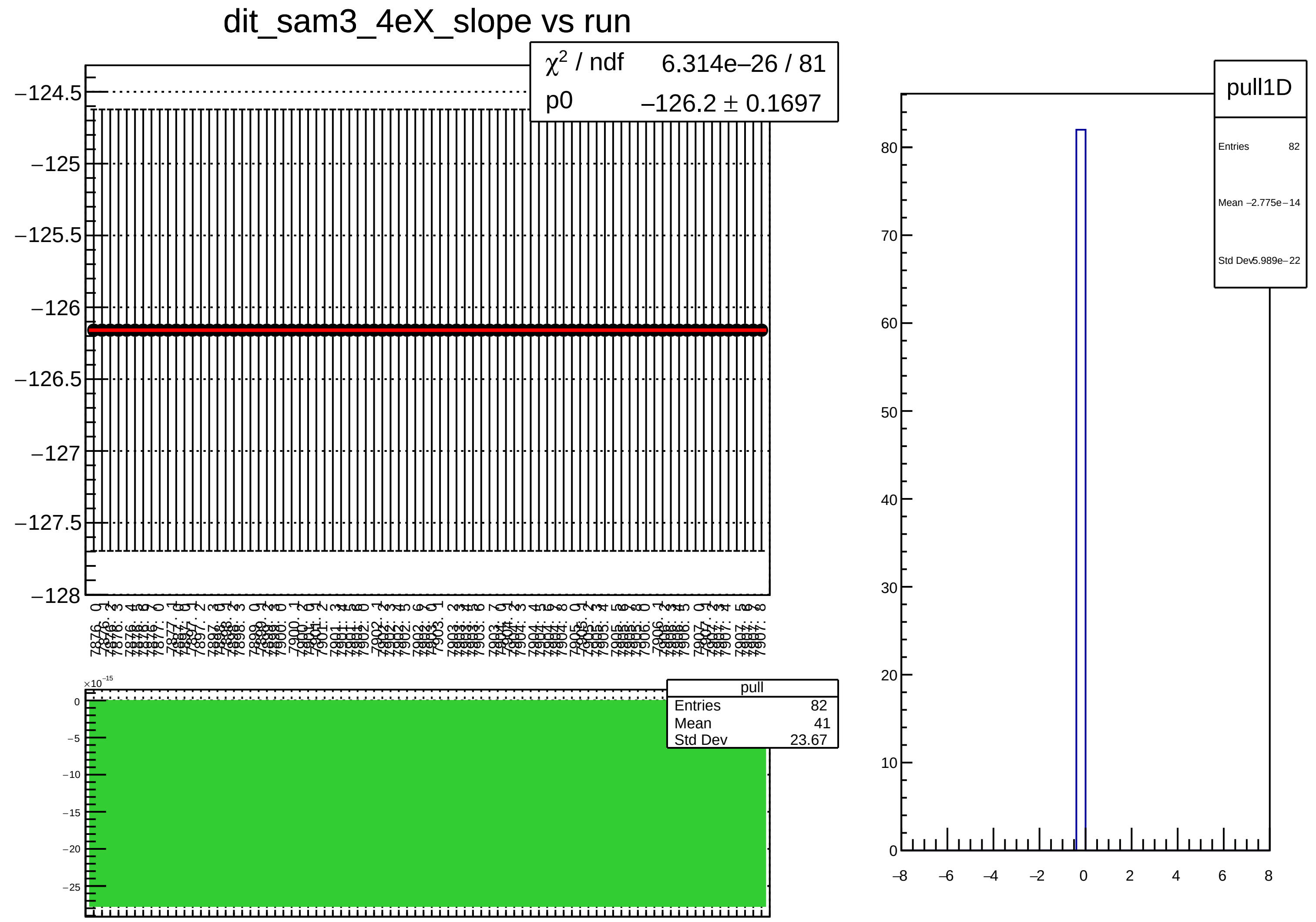


dit_sam2_4aY_slope vs run
χ2 / ndf 8.892e−29 / 81
p0 17.74 ± 0.3767
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.041e−15
Std Dev3.242e−23

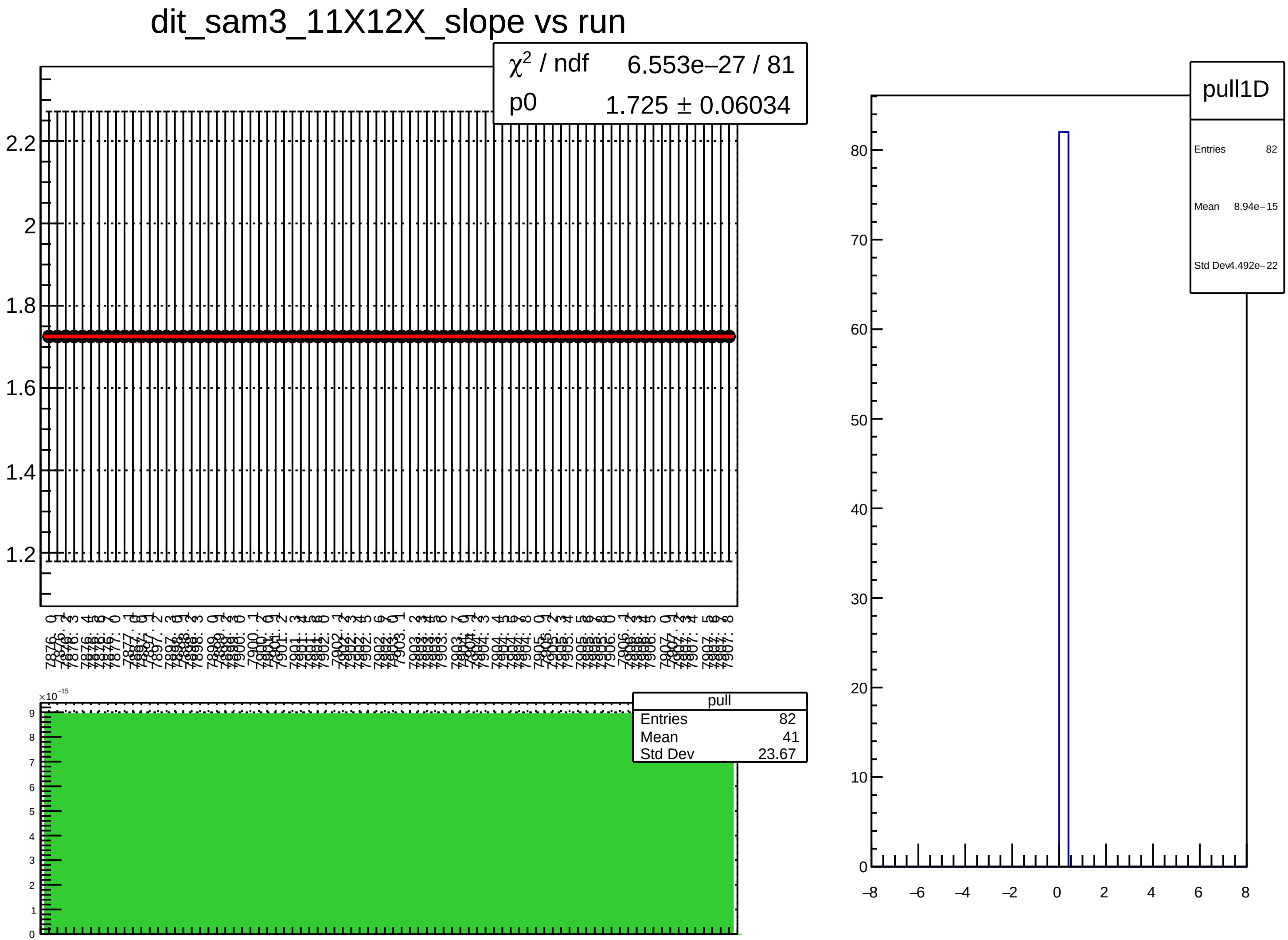

dit_sam2_4eY_slope vs run
χ^2 / ndf 1.55e−24 / 81
p0 −219.4 ± 0.3424
−216
−217
−218
−219
−220
−221
−222
−223
$\times10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.375e−13
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

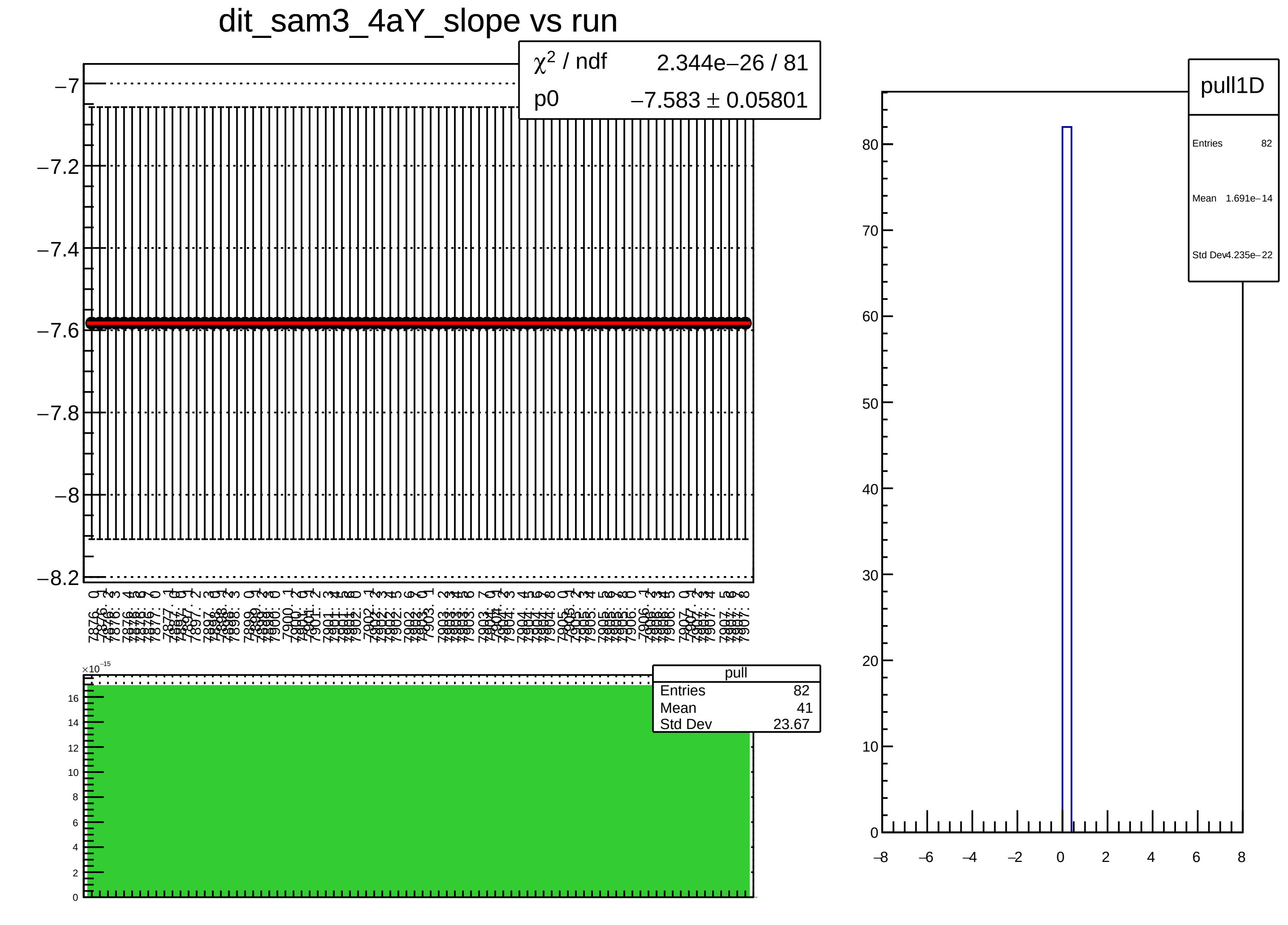


dit_sam3_4aX_slope vs run
χ2 / ndf 2.142e−30 / 81
p0 −0.1226 ± 0.2086
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.616e−16
Std Dev 5.731e−24

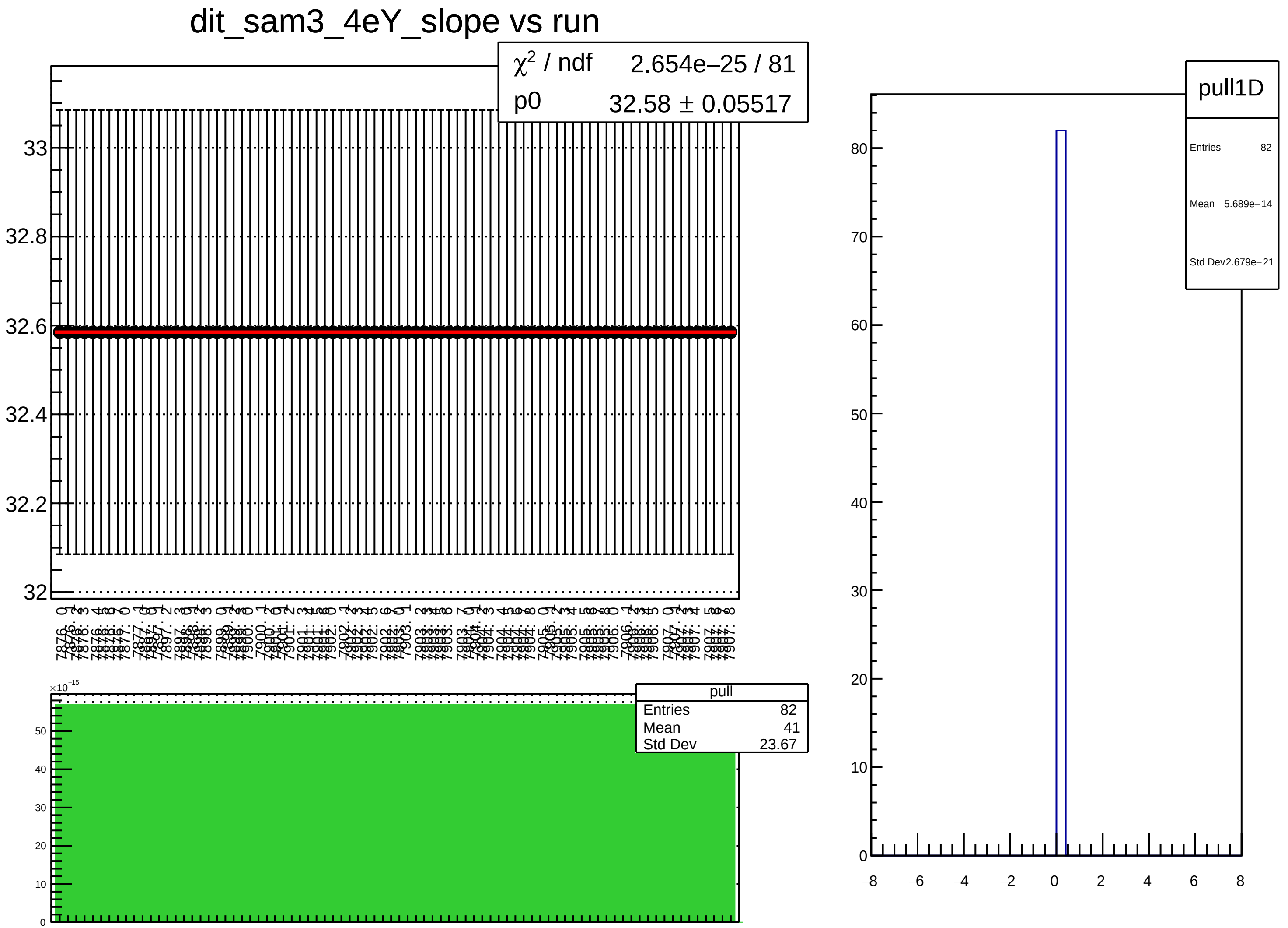


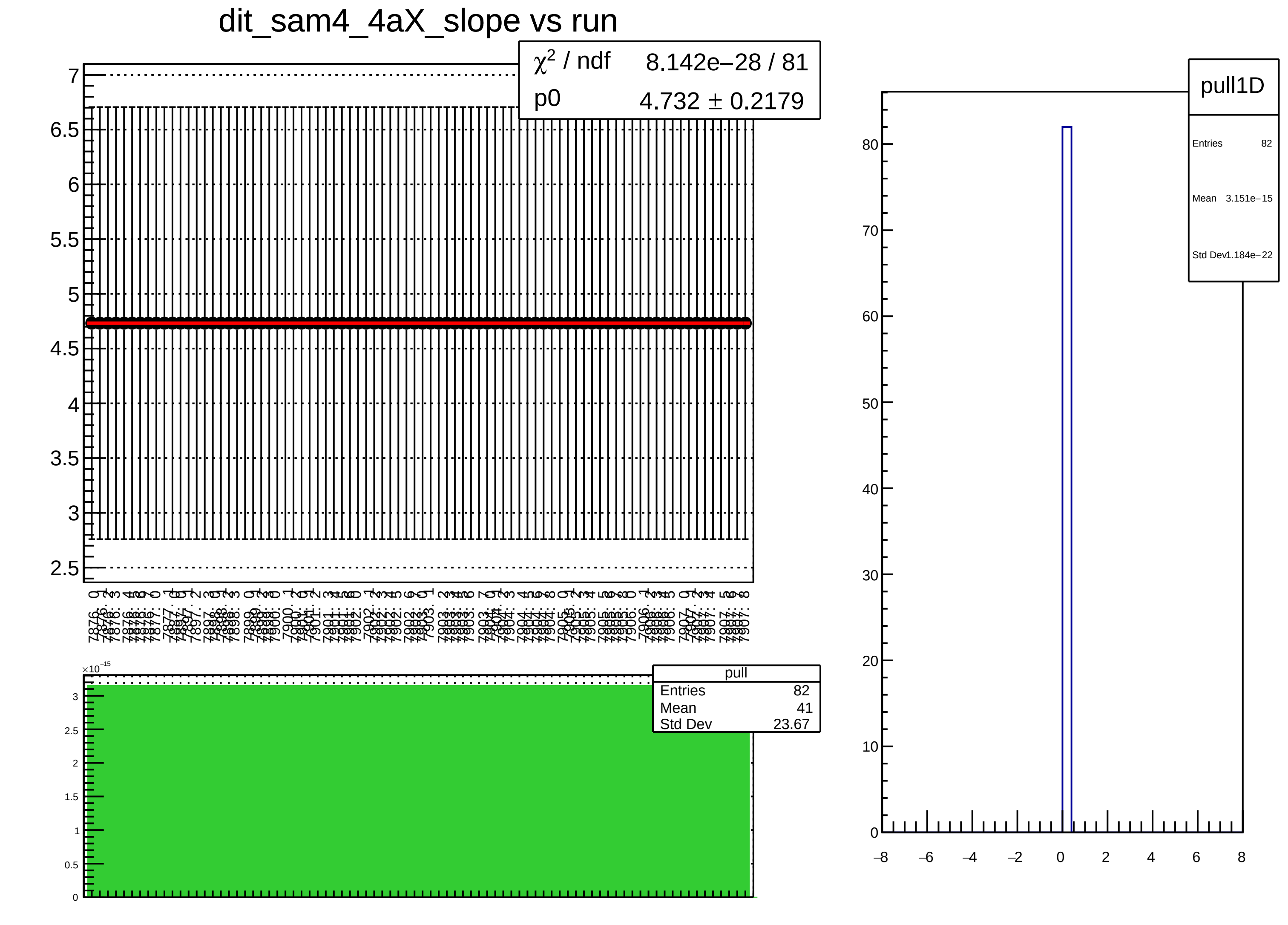
dit_sam3_4eX_slope vs run
χ2 / ndf 6.314e−26 / 81
p0 −126.2 ± 0.1697
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.775e−14
Std Dev 5.989e−22


dit_sam3_11X12X_slope vs run
χ2 / ndf 6.553e−27 / 81
p0 1.725 ± 0.06034
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 8.94e−15
Std Dev4.492e−22

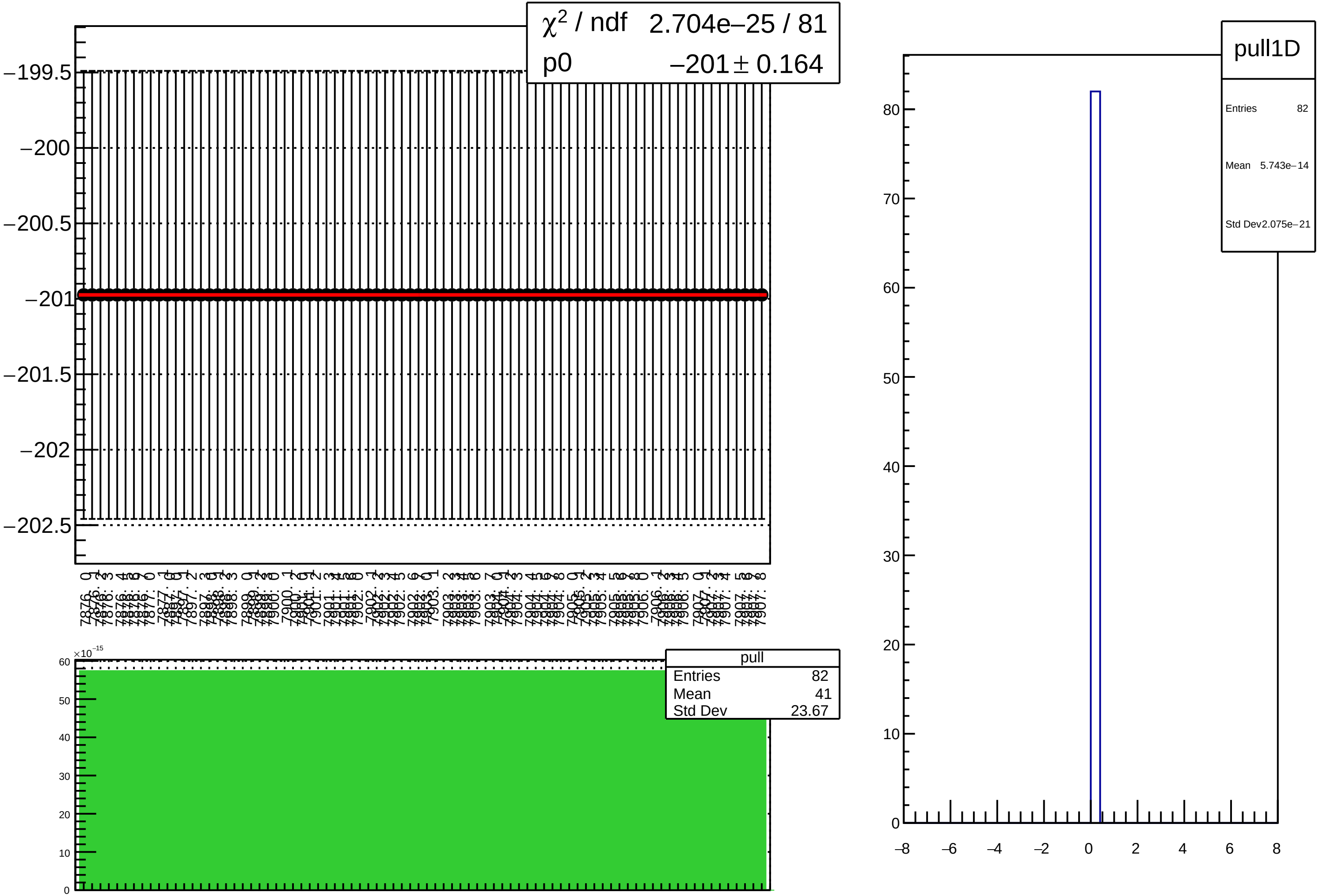


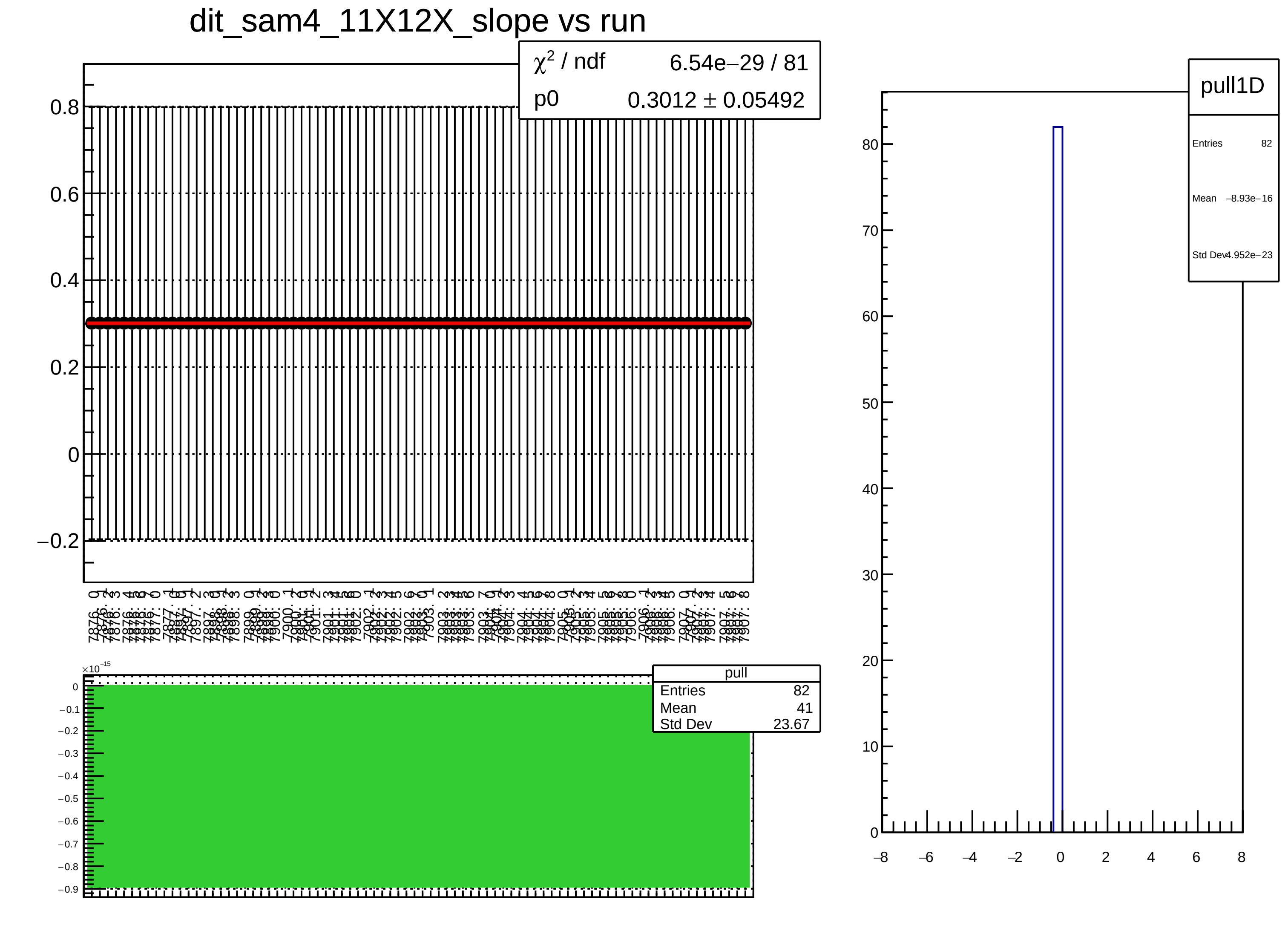
dit_sam3_4aY_slope vs run
χ2 / ndf 2.344e−26 / 81
p0 −7.583 ± 0.05801
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.691e−14
Std Dev 4.235e−22


dit_sam3_4eY_slope vs run
χ^2 / ndf 2.654e−25 / 81
p0 32.58 ± 0.05517
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.689e−14
Std Dev 2.679e−21

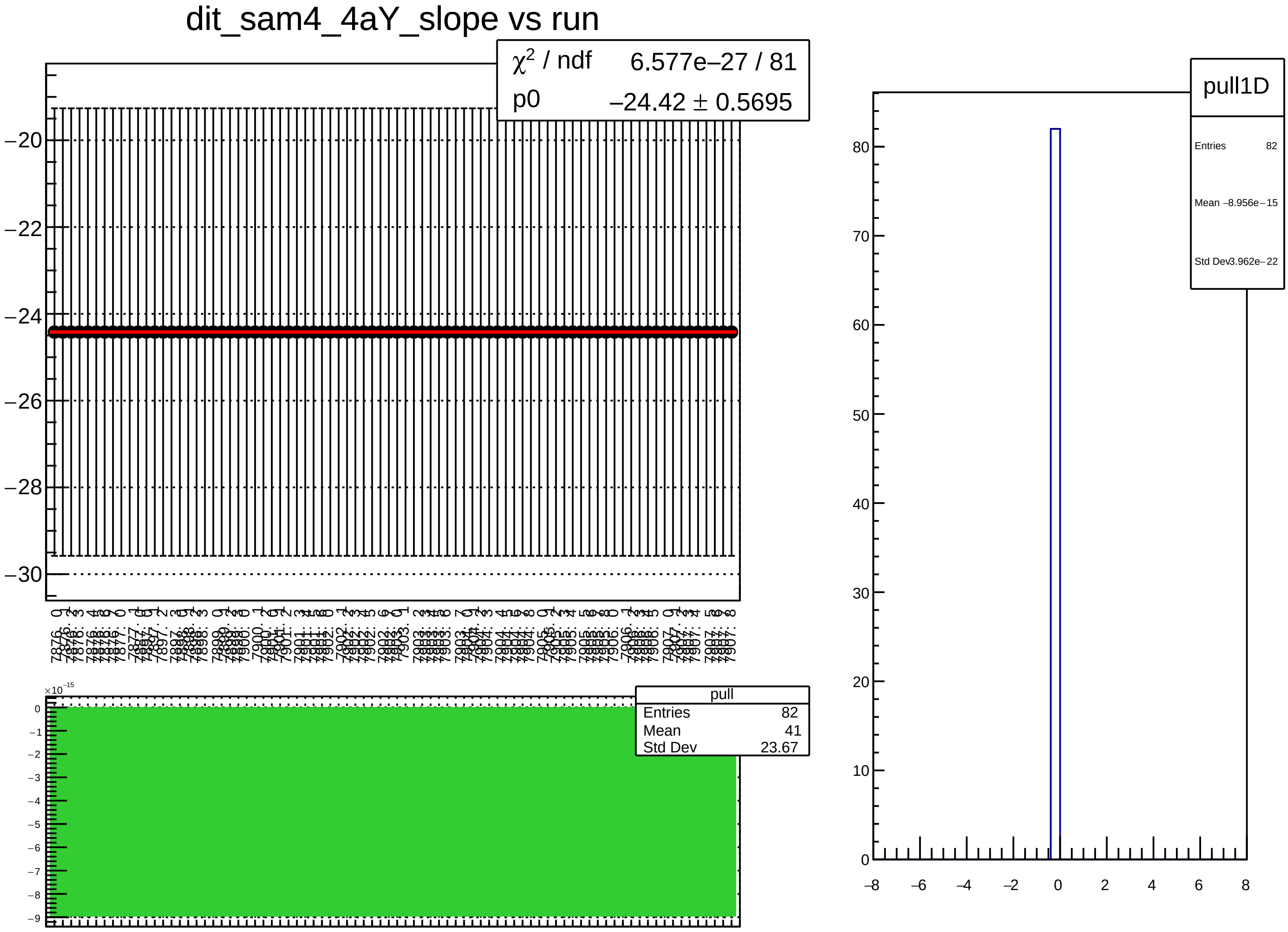

dit_sam4_4aX_slope vs run
χ^2 / ndf 8.142e−28 / 81
p0 4.732 ± 0.2179
pull
Entries 82
Mean 41
Std Dev 23.67
×10^{-15}
pull1D
Entries 82
Mean 3.151e−15
Std Dev1.184e−22

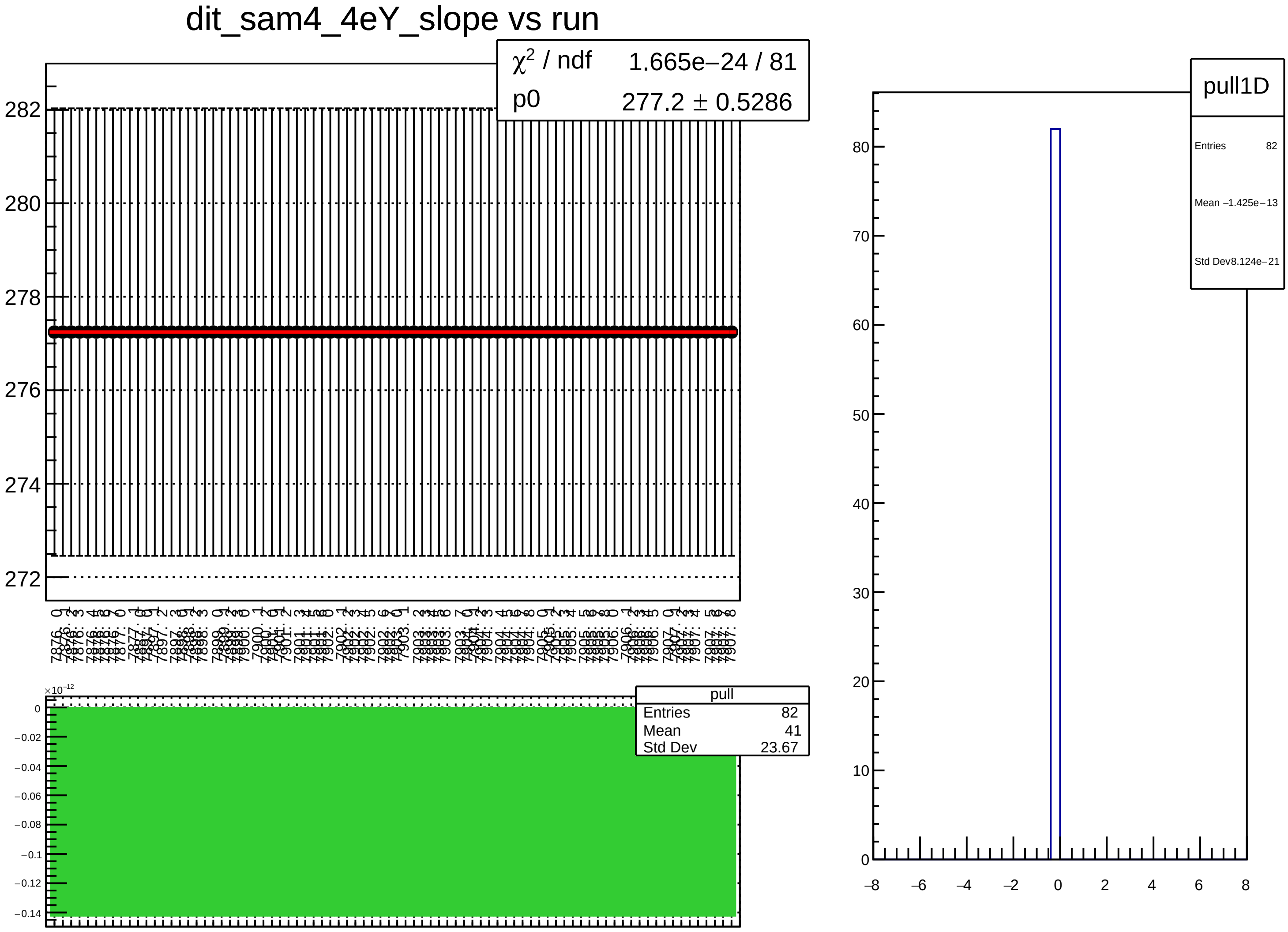
dit_sam4_4eX_slope vs run



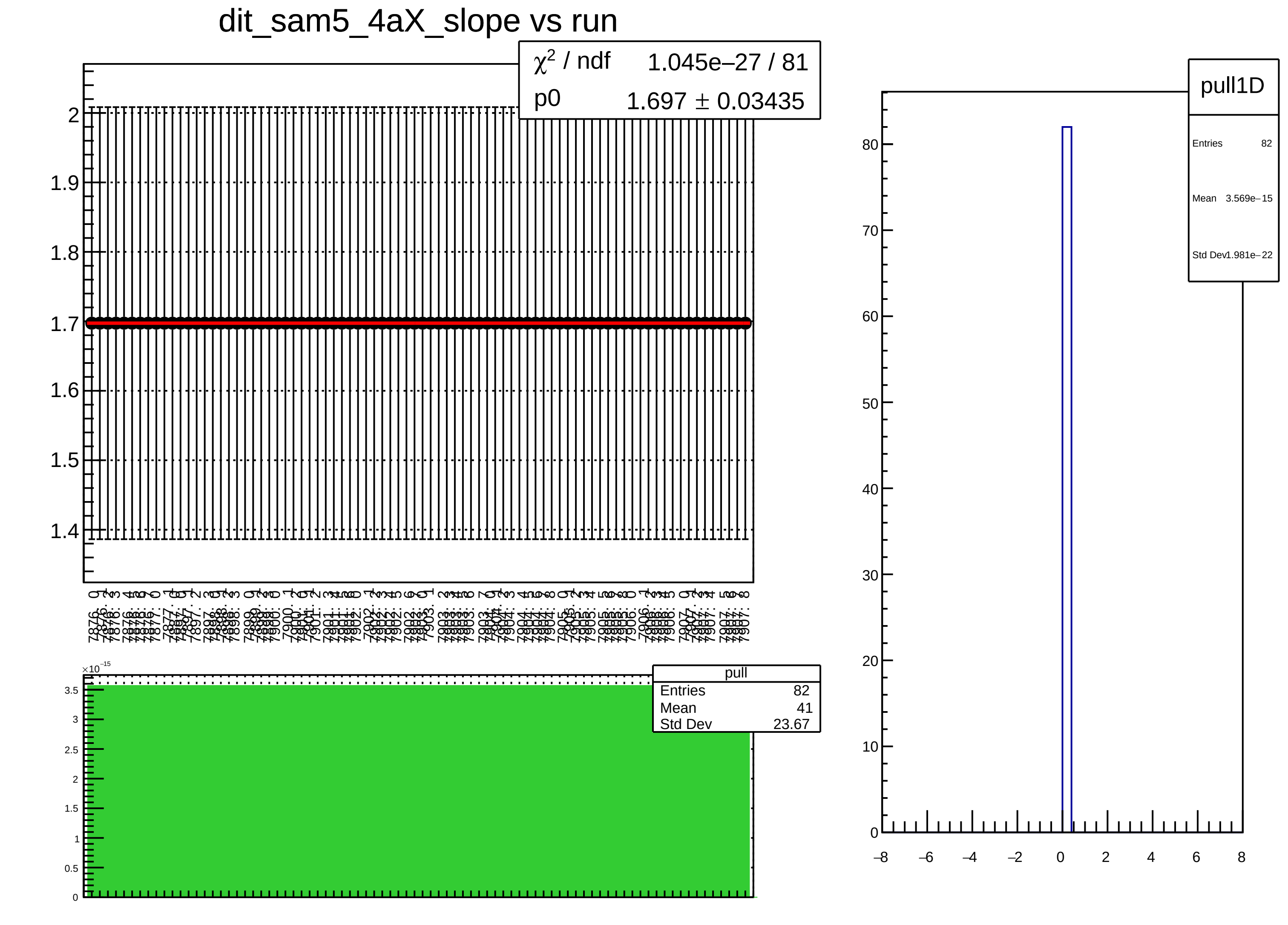


dit_sam4_11X12X_slope vs run
χ^2 / ndf 6.54e−29 / 81
p0 0.3012 ± 0.05492
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.93e−16
Std Dev 4.952e−23

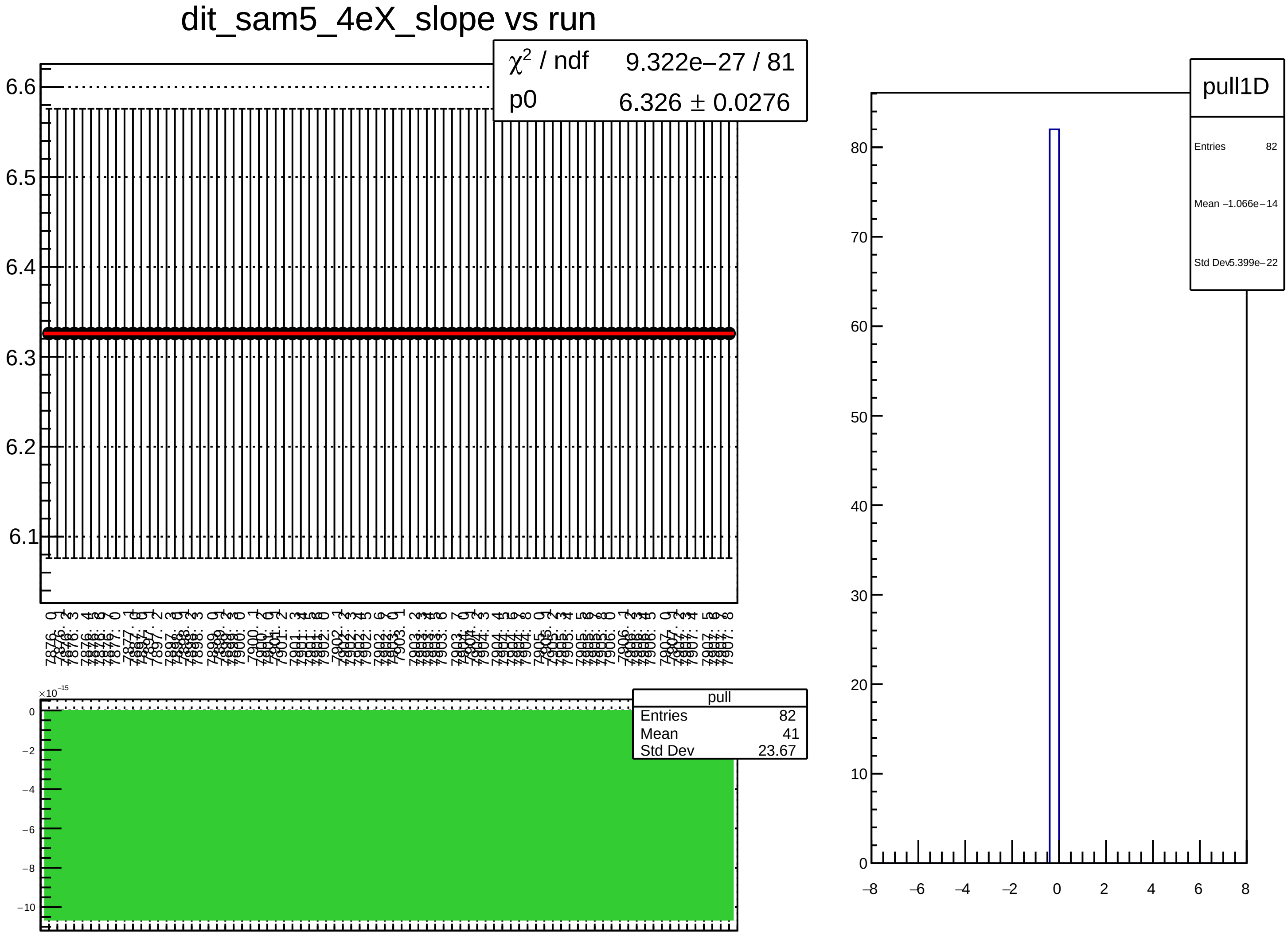

dit_sam4_4aY_slope vs run
χ^2 / ndf 6.577e−27 / 81
p0 −24.42 ± 0.5695
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.956e−15
Std Dev3.962e−22



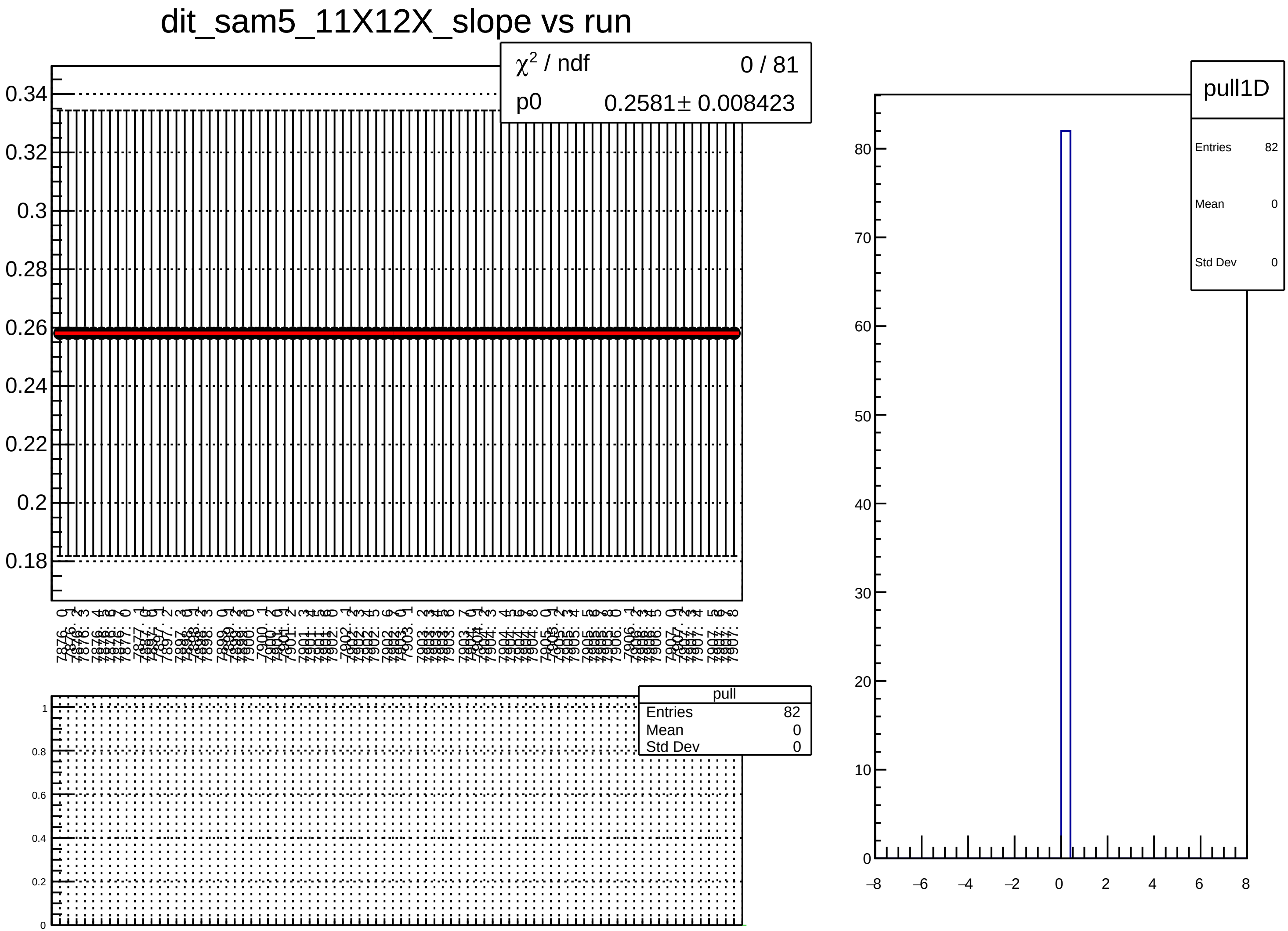
dit_sam4_4eY_slope vs run
χ2 / ndf 1.665e−24 / 81
p0 277.2 ± 0.5286
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.425e−13
Std Dev 8.124e−21



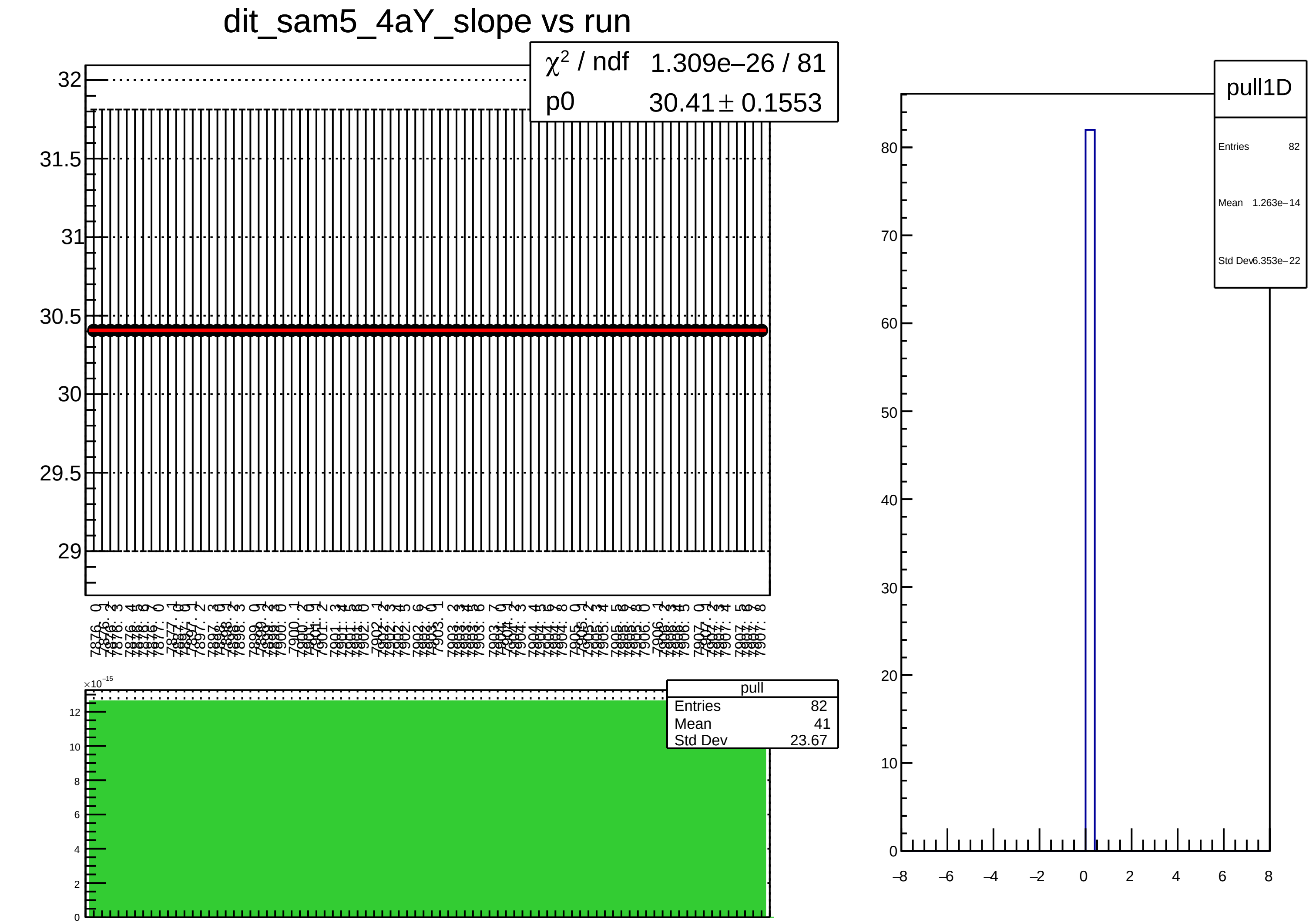
dit_sam5_4aX_slope vs run
χ2 / ndf 1.045e−27 / 81
p0 1.697 ± 0.03435
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.569e−15
Std Dev 1.981e−22

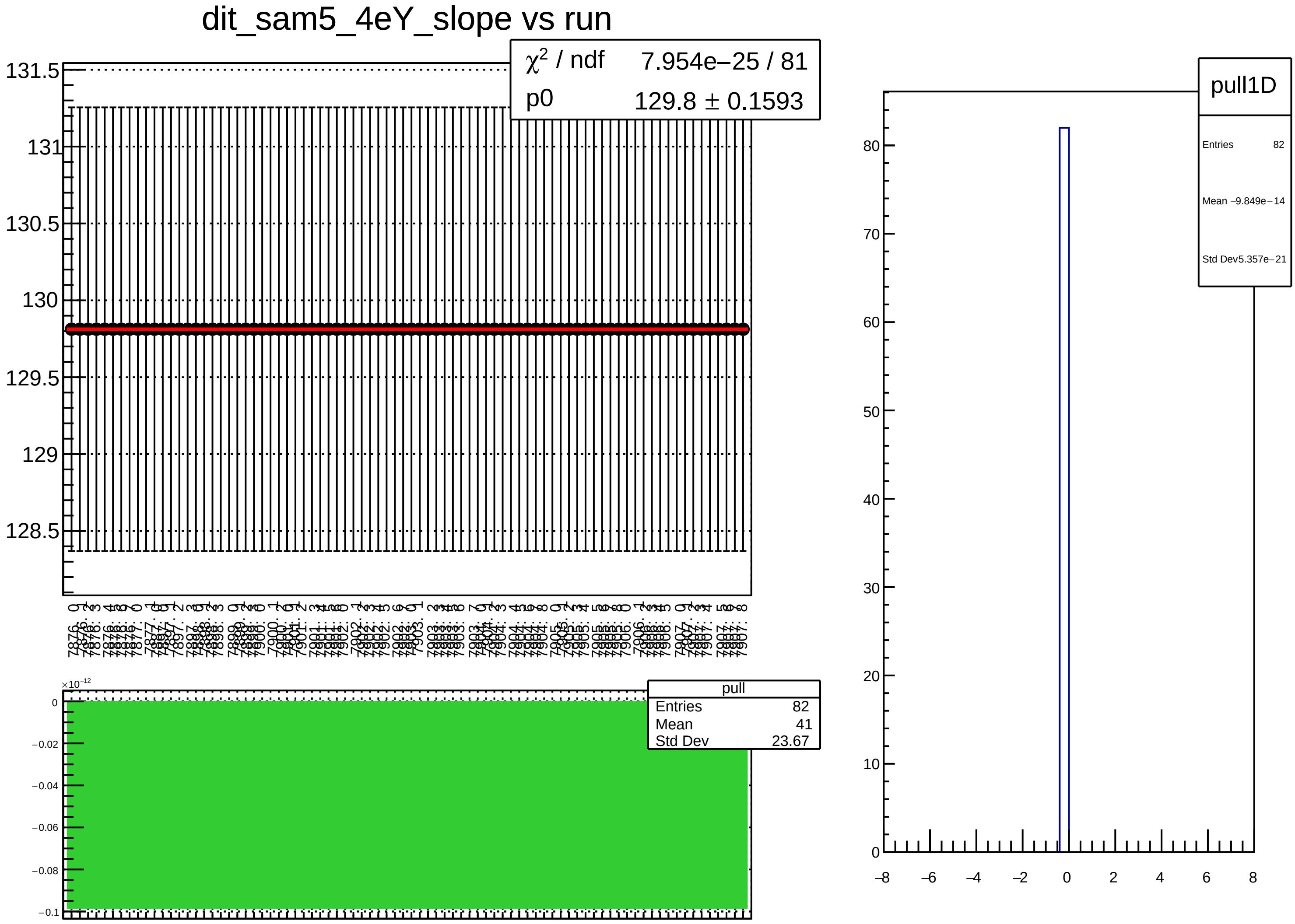


dit_sam5_4eX_slope vs run
χ^2 / ndf 9.322e−27 / 81
p0 6.326 ± 0.0276
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.066e−14
Std Dev 5.399e−22

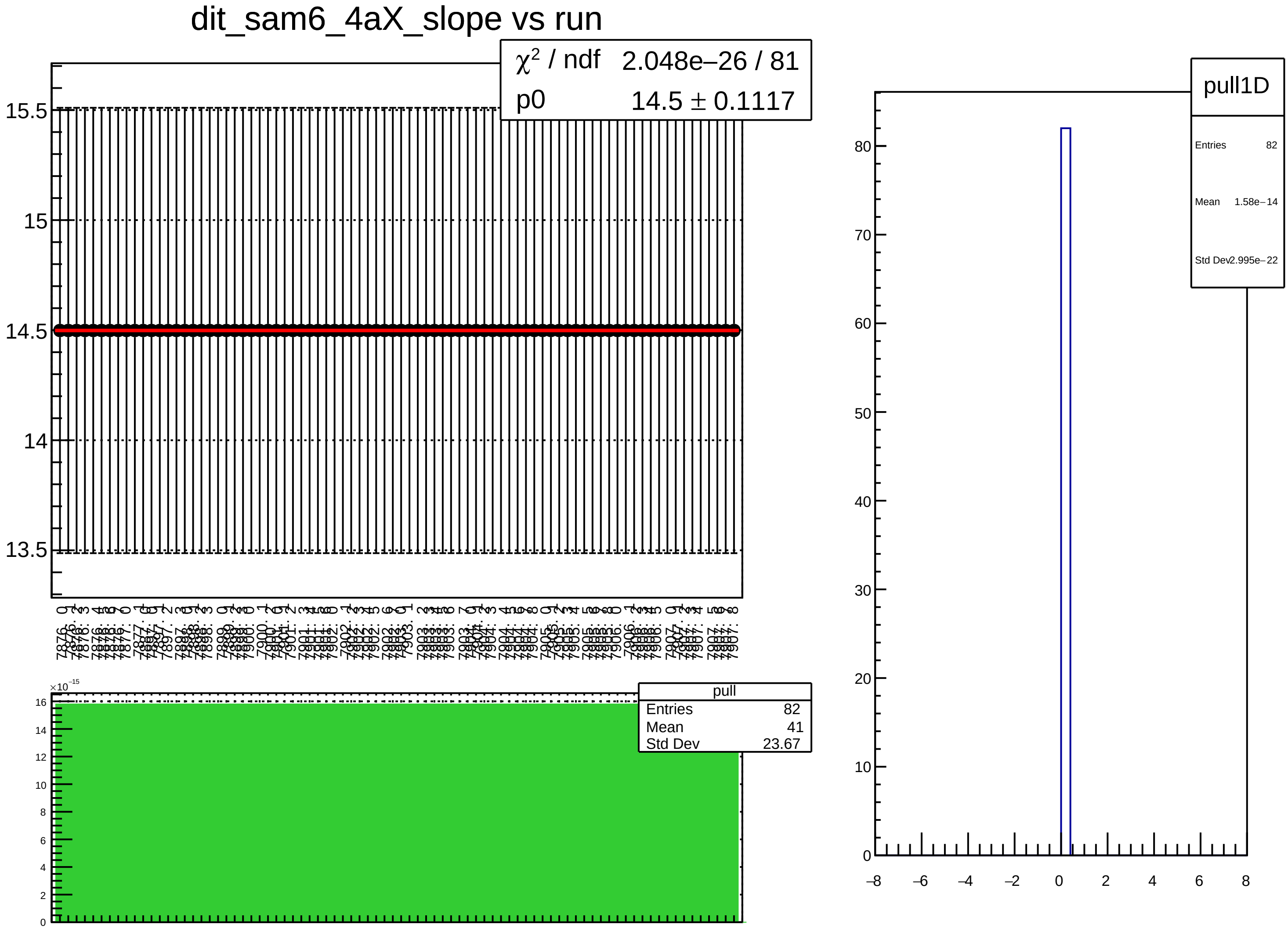


dit_sam5_11X12X_slope vs run
χ^2 / ndf 0 / 81
p0 0.2581 ± 0.008423
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0

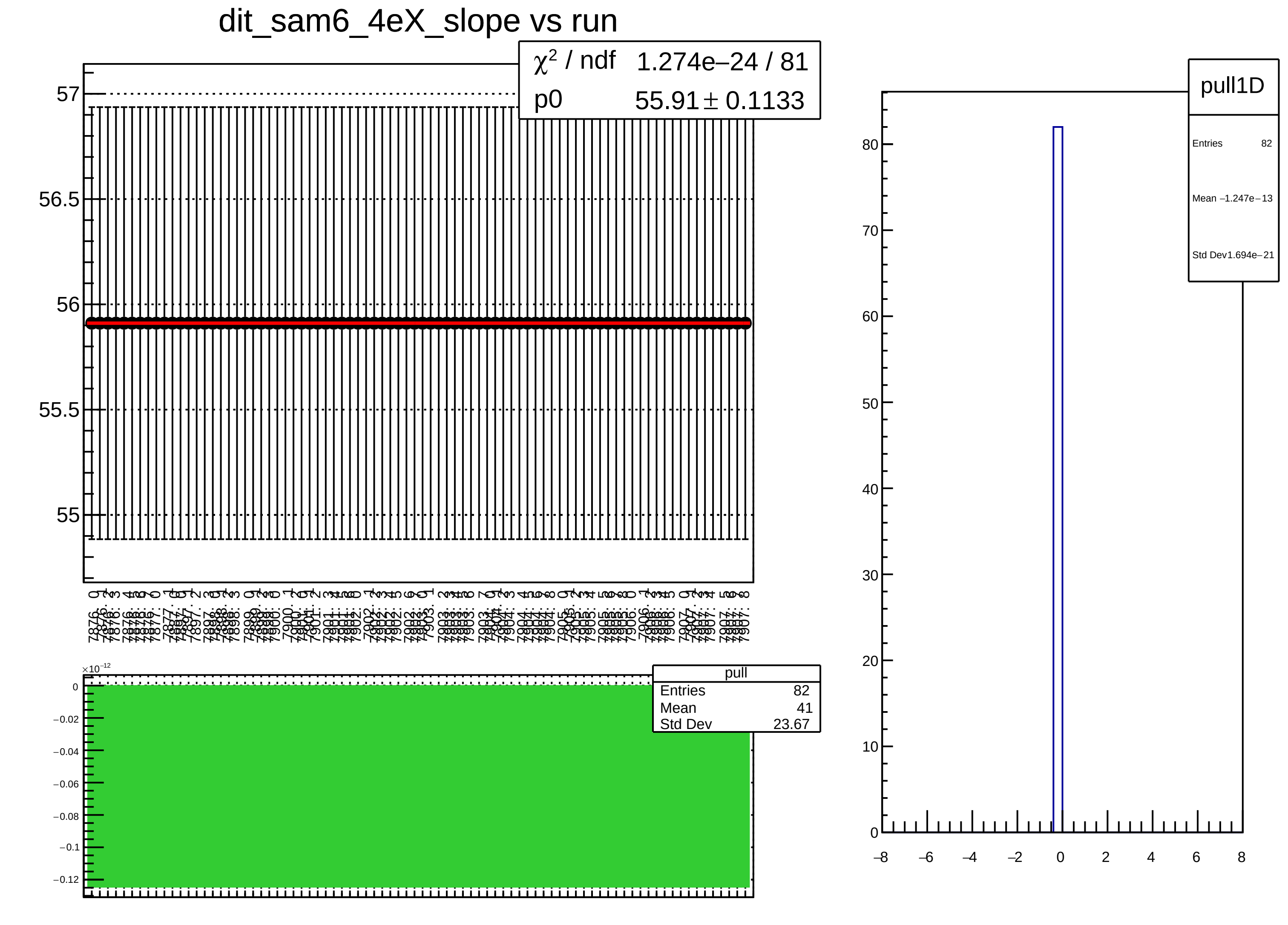

dit_sam5_4aY_slope vs run
χ^2 / ndf 1.309e−26 / 81
p0 30.41 ± 0.1553
32
31.5
31
30.5
30
29.5
29
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.263e−14
Std Dev 6.353e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



dit_sam5_4eY_slope vs run
χ^2 / ndf 7.954e−25 / 81
p0 129.8 ± 0.1593
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −9.849e−14
Std Dev 5.357e−21

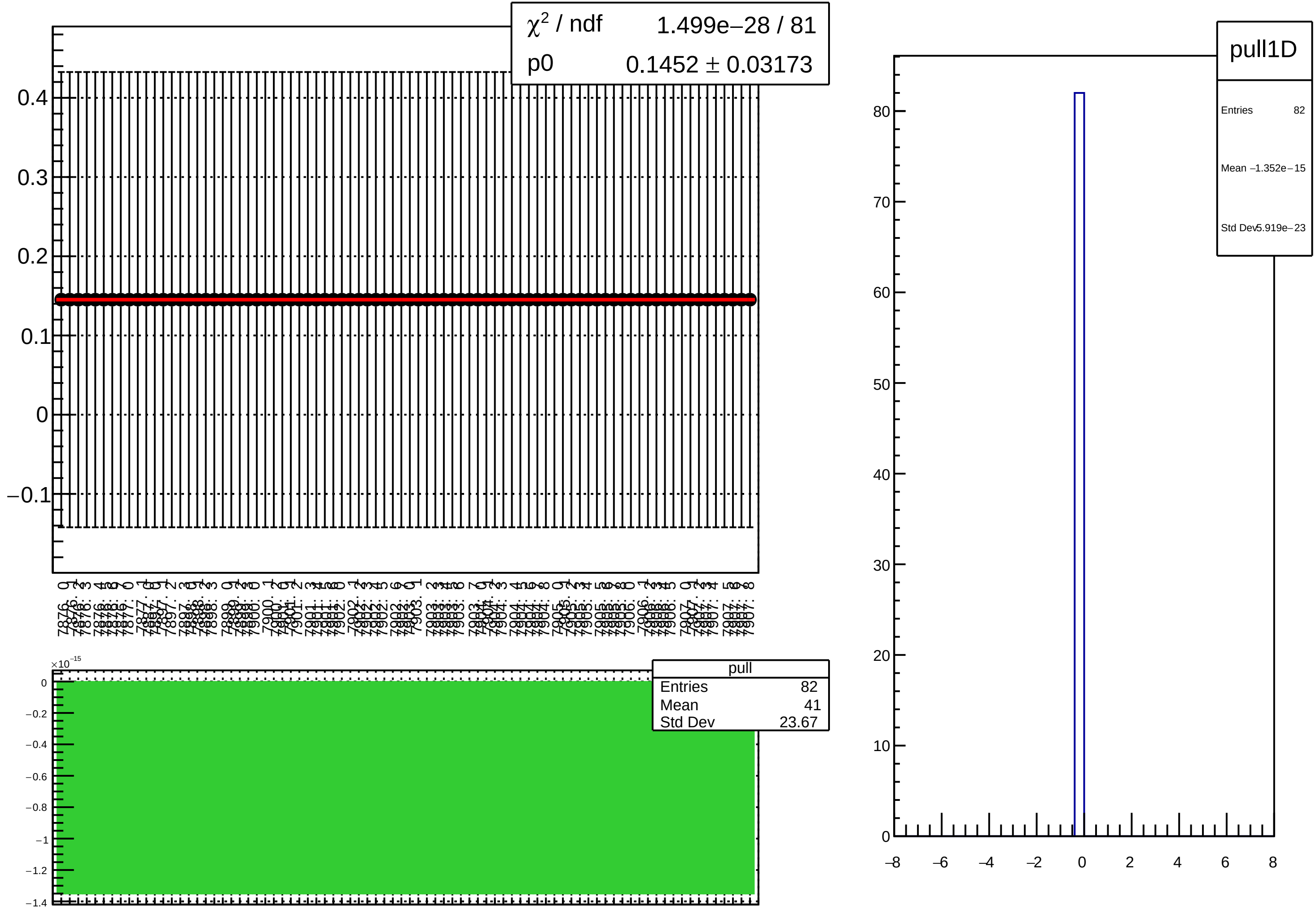


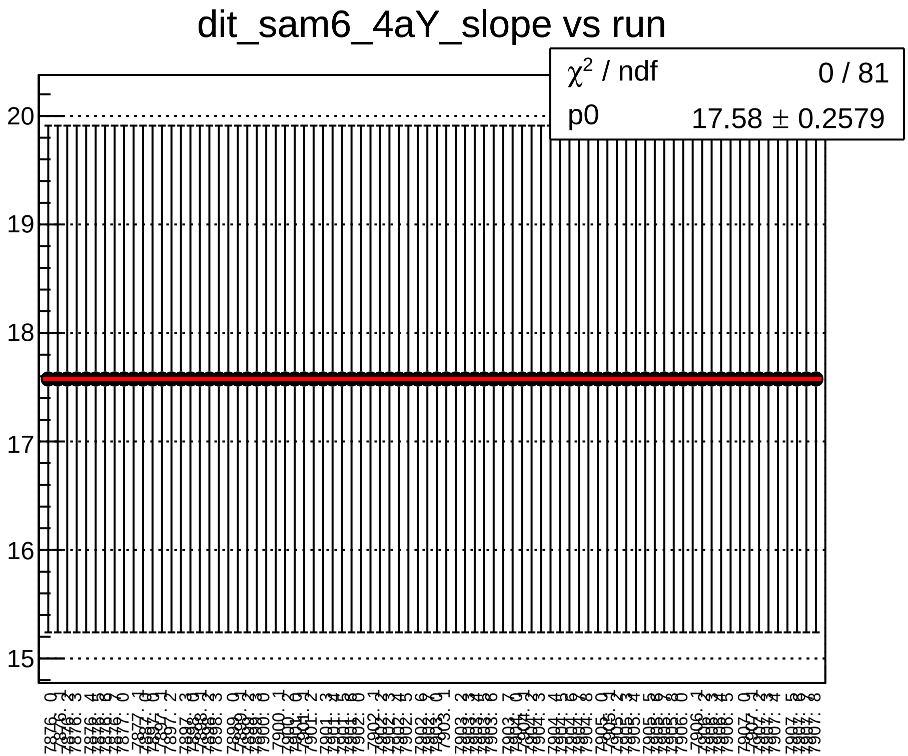
dit_sam6_4aX_slope vs run
χ^2 / ndf 2.048e−26 / 81
p0 14.5 ± 0.1117
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.58e−14
Std Dev 2.995e−22

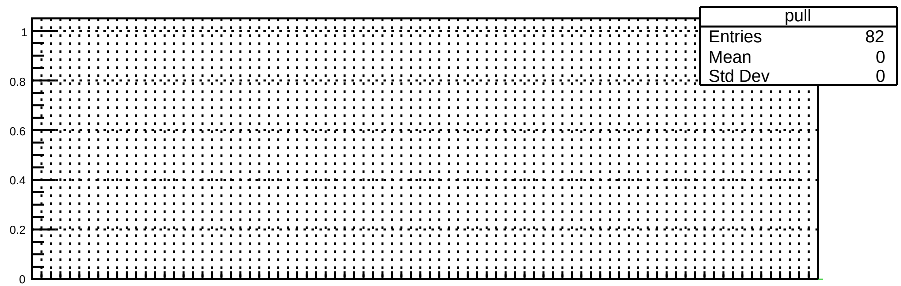


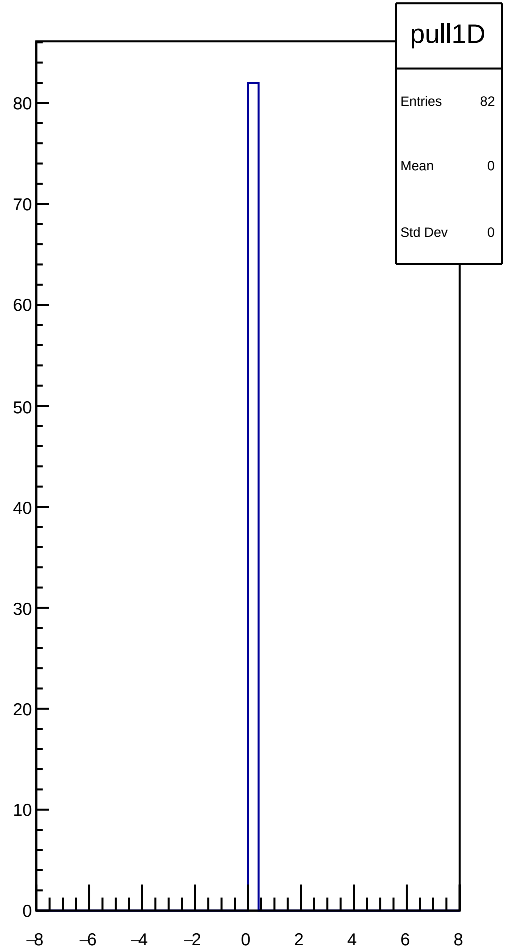
dit_sam6_4eX_slope vs run
χ2 / ndf 1.274e−24 / 81
p0 55.91 ± 0.1133
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.247e−13
Std Dev 1.694e−21

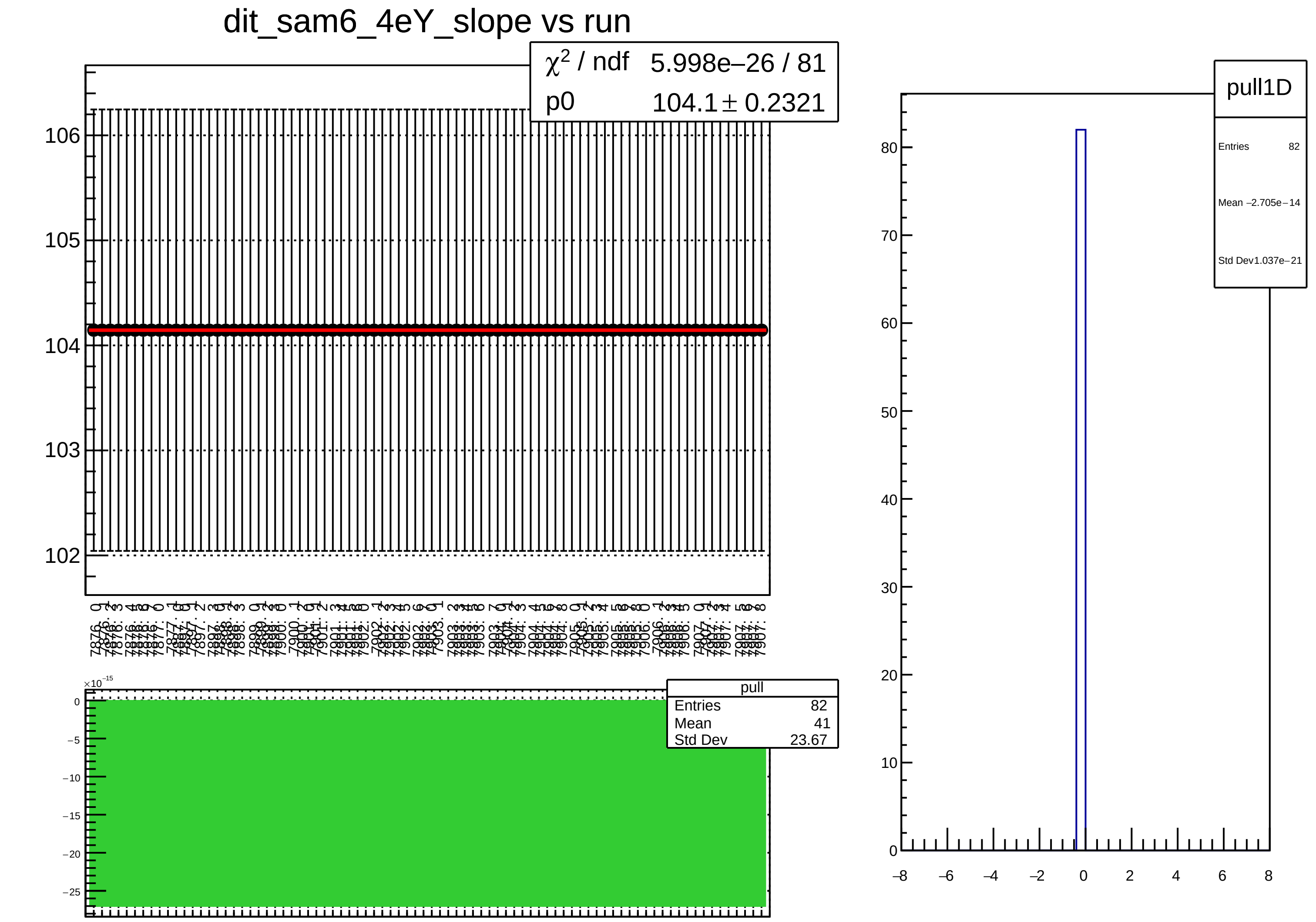
dit_sam6_11X12X_slope vs run



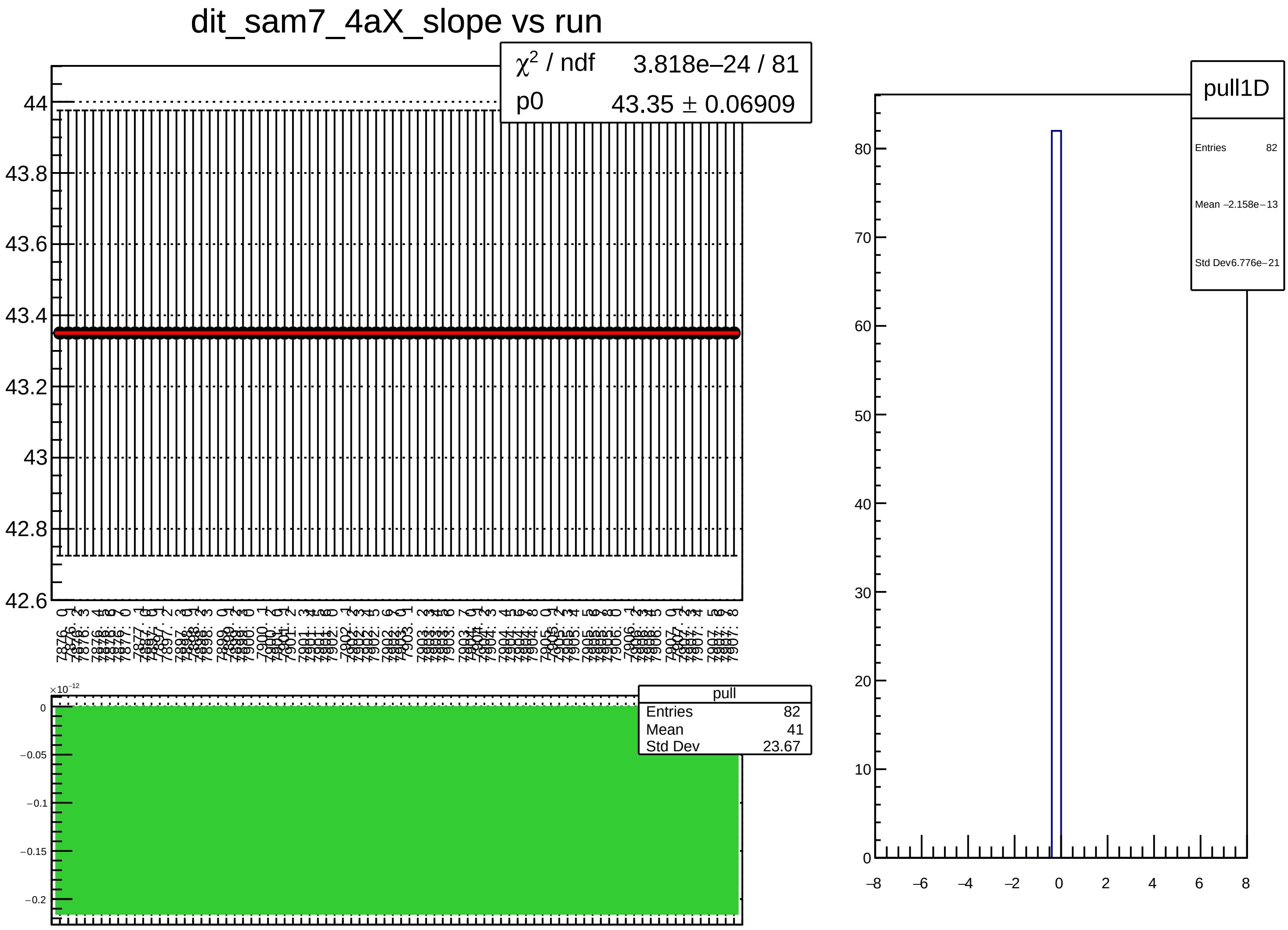

dit_sam6_4aY_slope vs run
χ^2 / ndf 0 / 81
p0 17.58 ± 0.2579
20
19
18
17
16
15

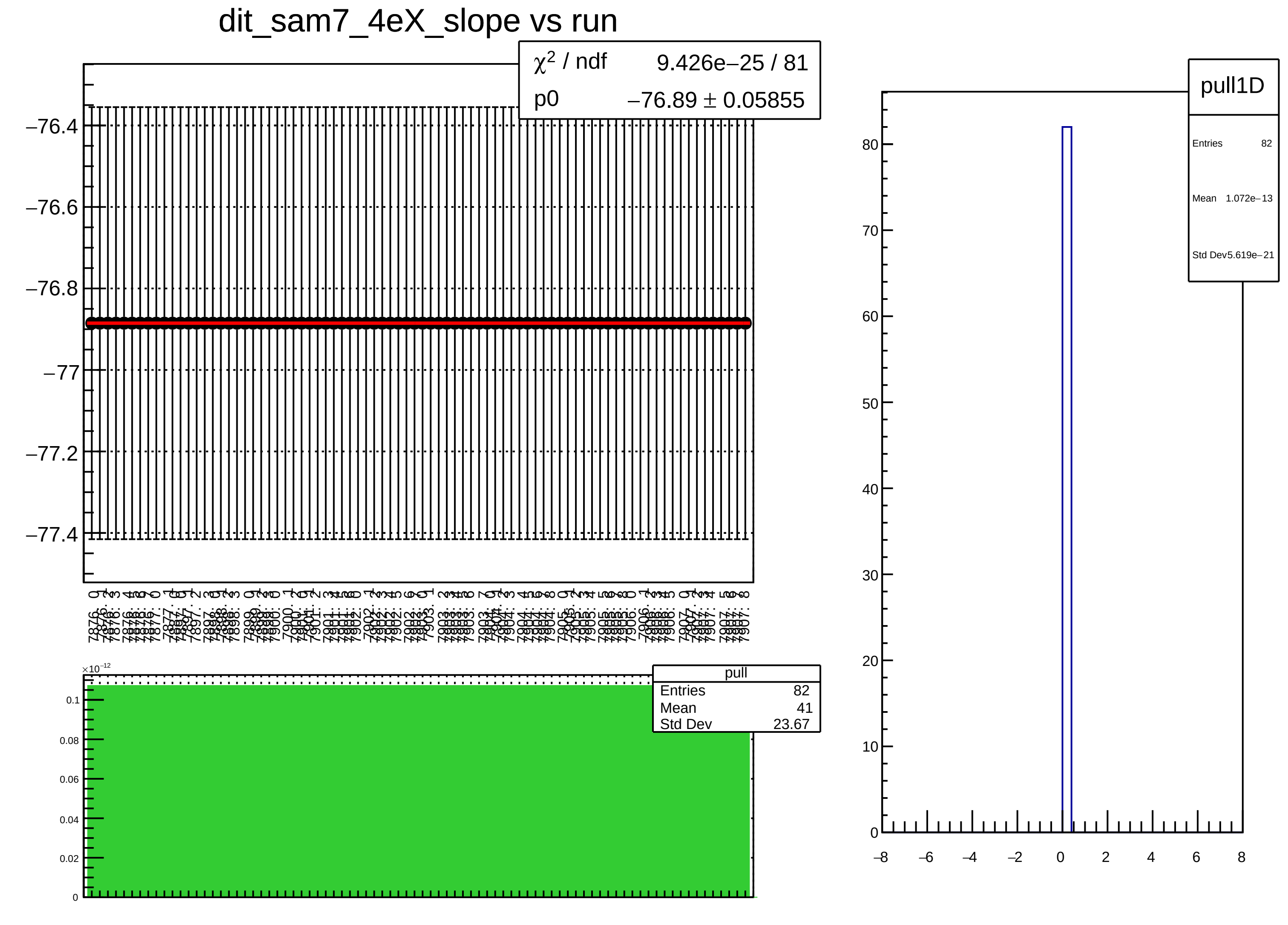

pull
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0


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

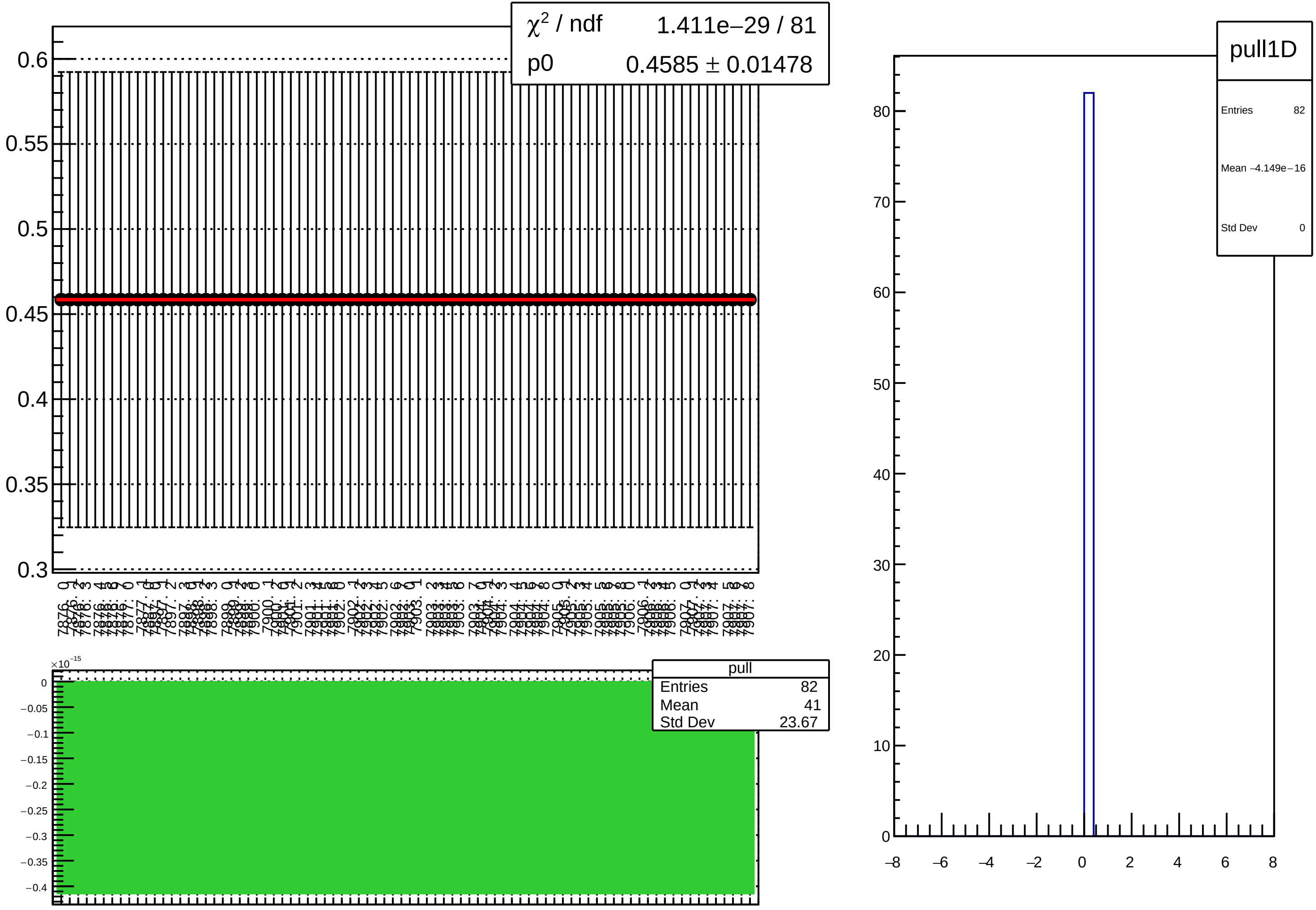


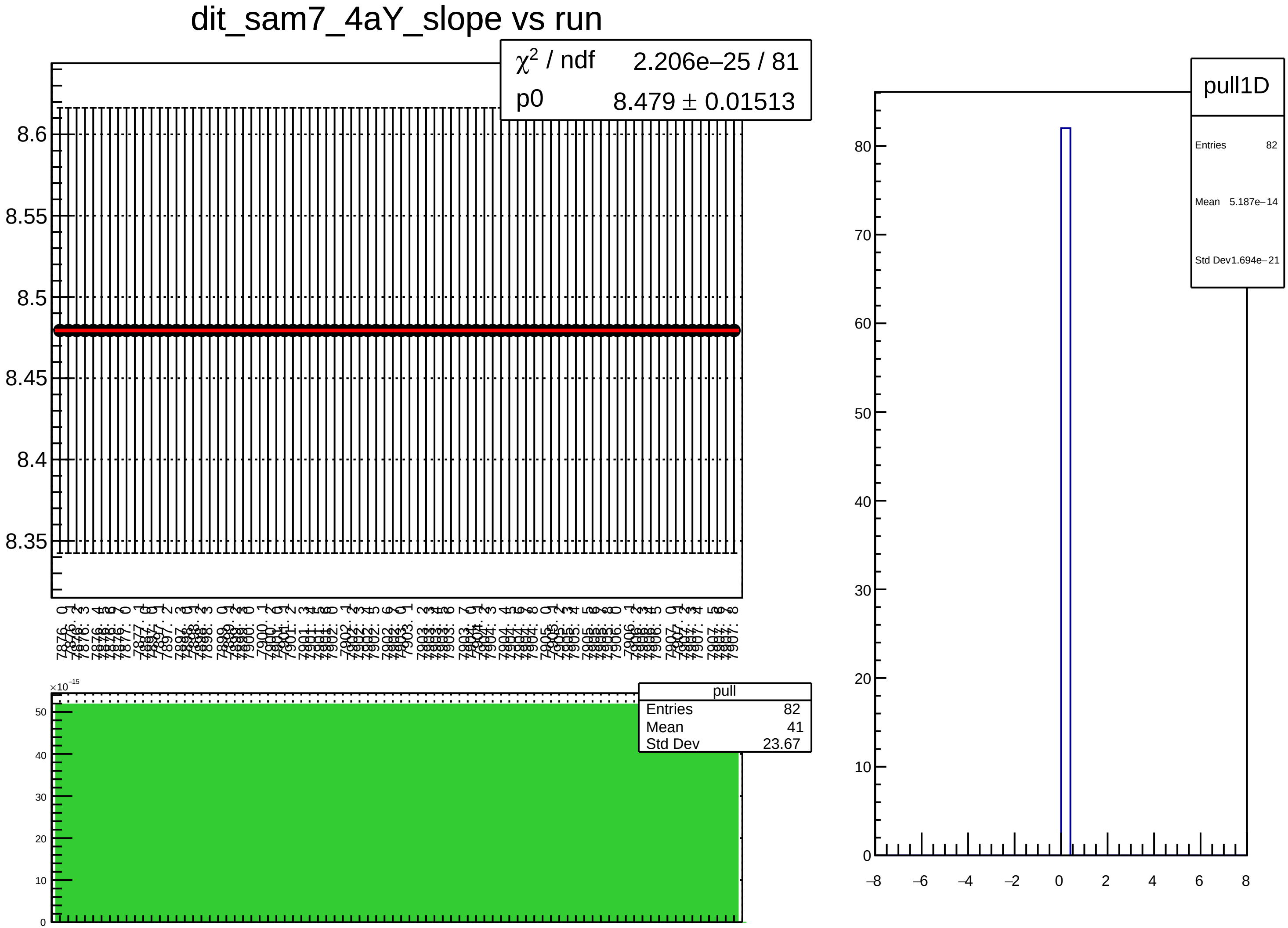
dit_sam6_4eY_slope vs run
χ2 / ndf 5.998e−26 / 81
p0 104.1 ± 0.2321
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.705e−14
Std Dev 1.037e−21


dit_sam7_4aX_slope vs run
χ^2 / ndf 3.818e−24 / 81
p0 43.35 ± 0.06909
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.158e−13
Std Dev 6.776e−21

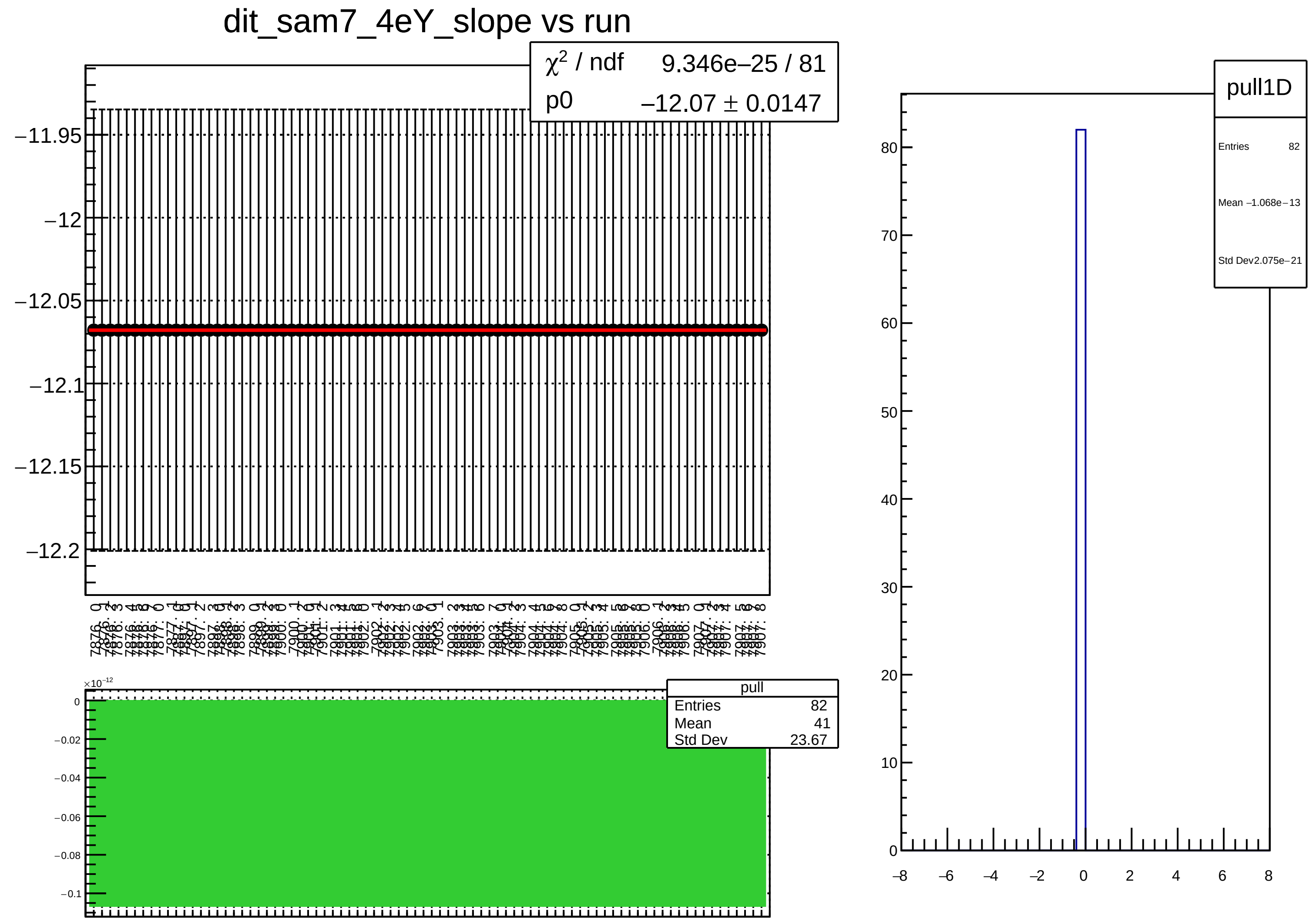

dit_sam7_4eX_slope vs run
χ2 / ndf 9.426e−25 / 81
p0 −76.89 ± 0.05855
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.072e−13
Std Dev 5.619e−21

dit_sam7_11X12X_slope vs run

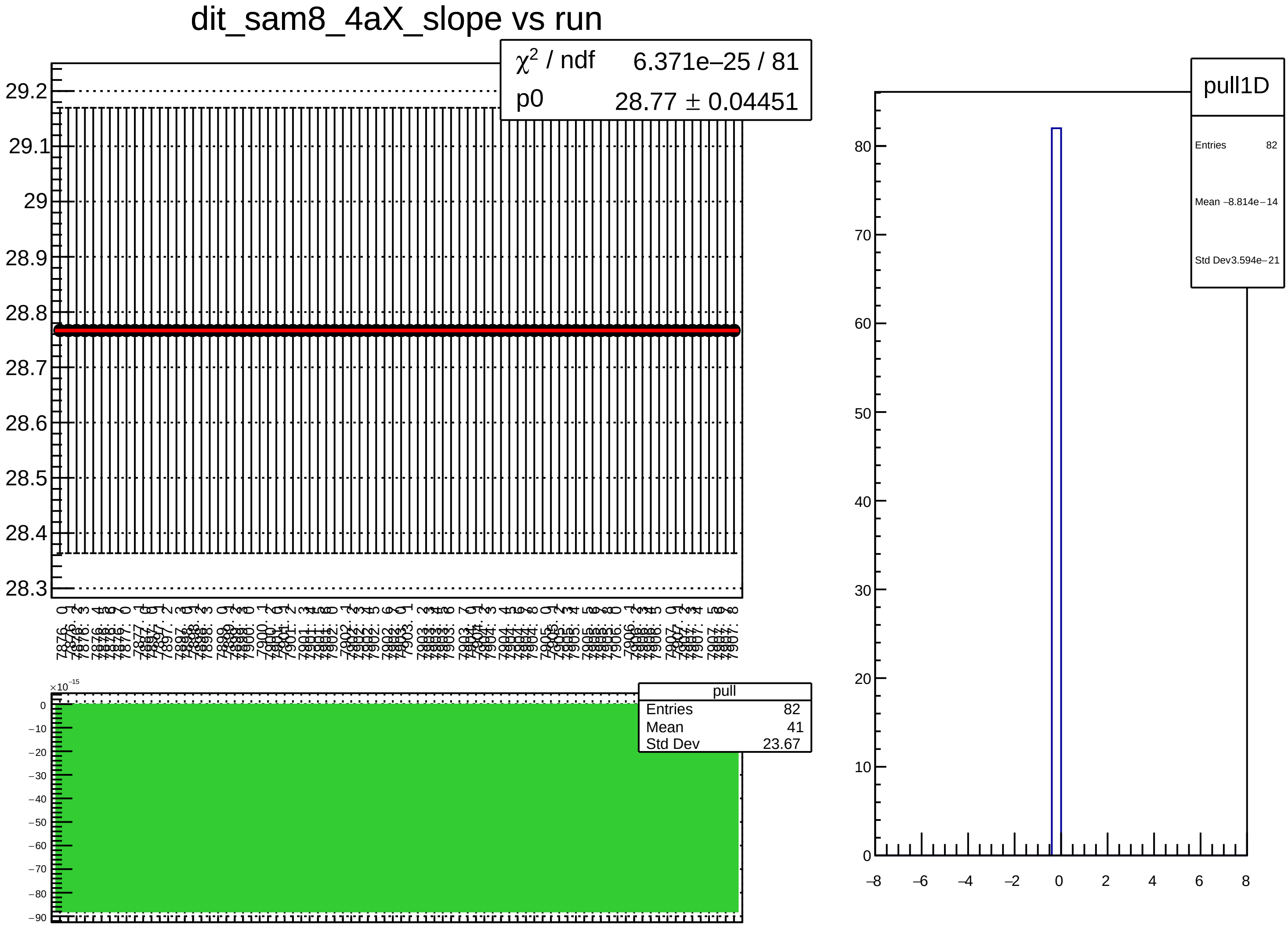




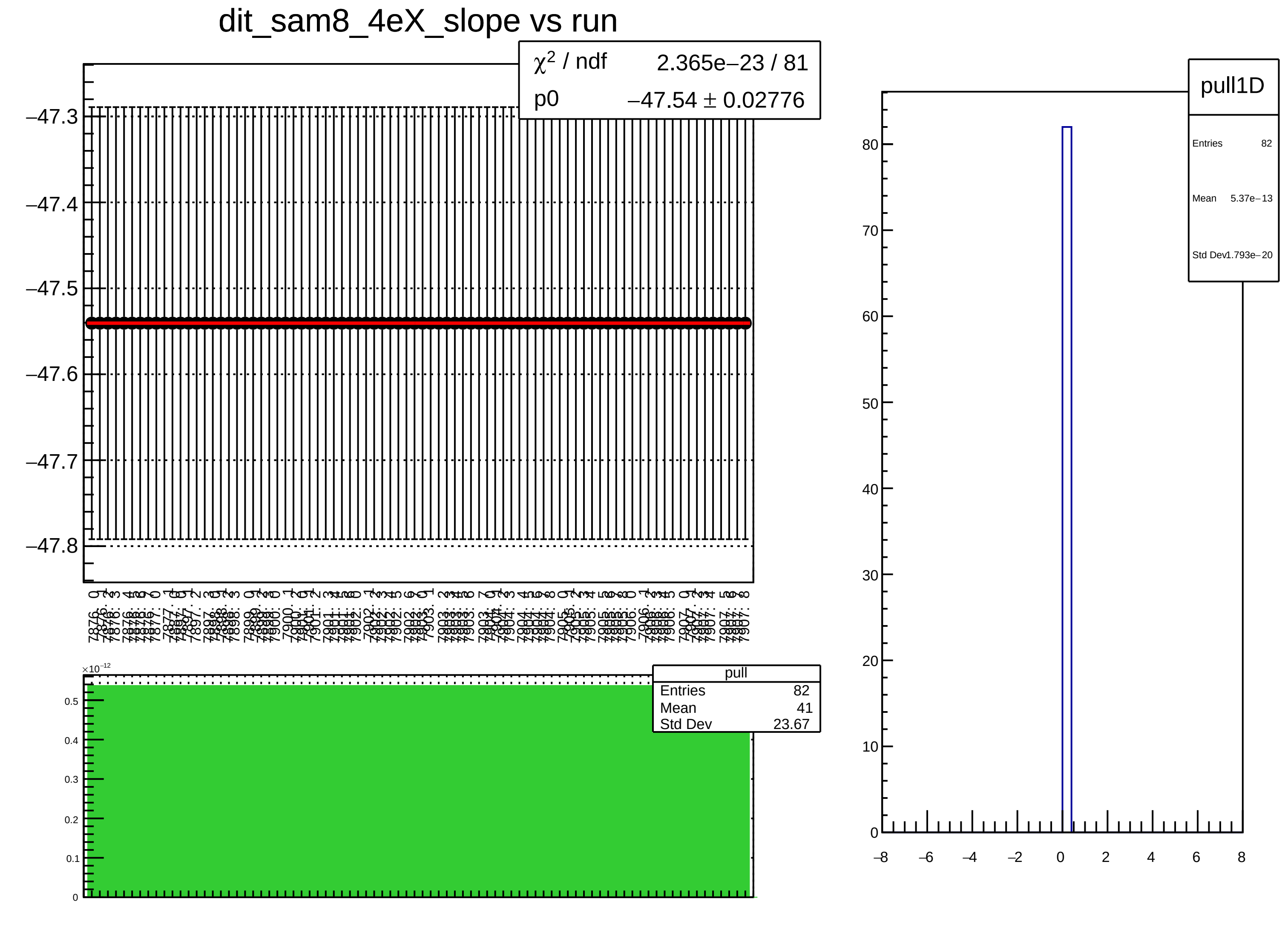
dit_sam7_4aY_slope vs run
χ2 / ndf 2.206e−25 / 81
p0 8.479 ± 0.01513
pull1D
Entries 82
Mean 5.187e−14
Std Dev 1.694e−21
pull
Entries 82
Mean 41
Std Dev 23.67



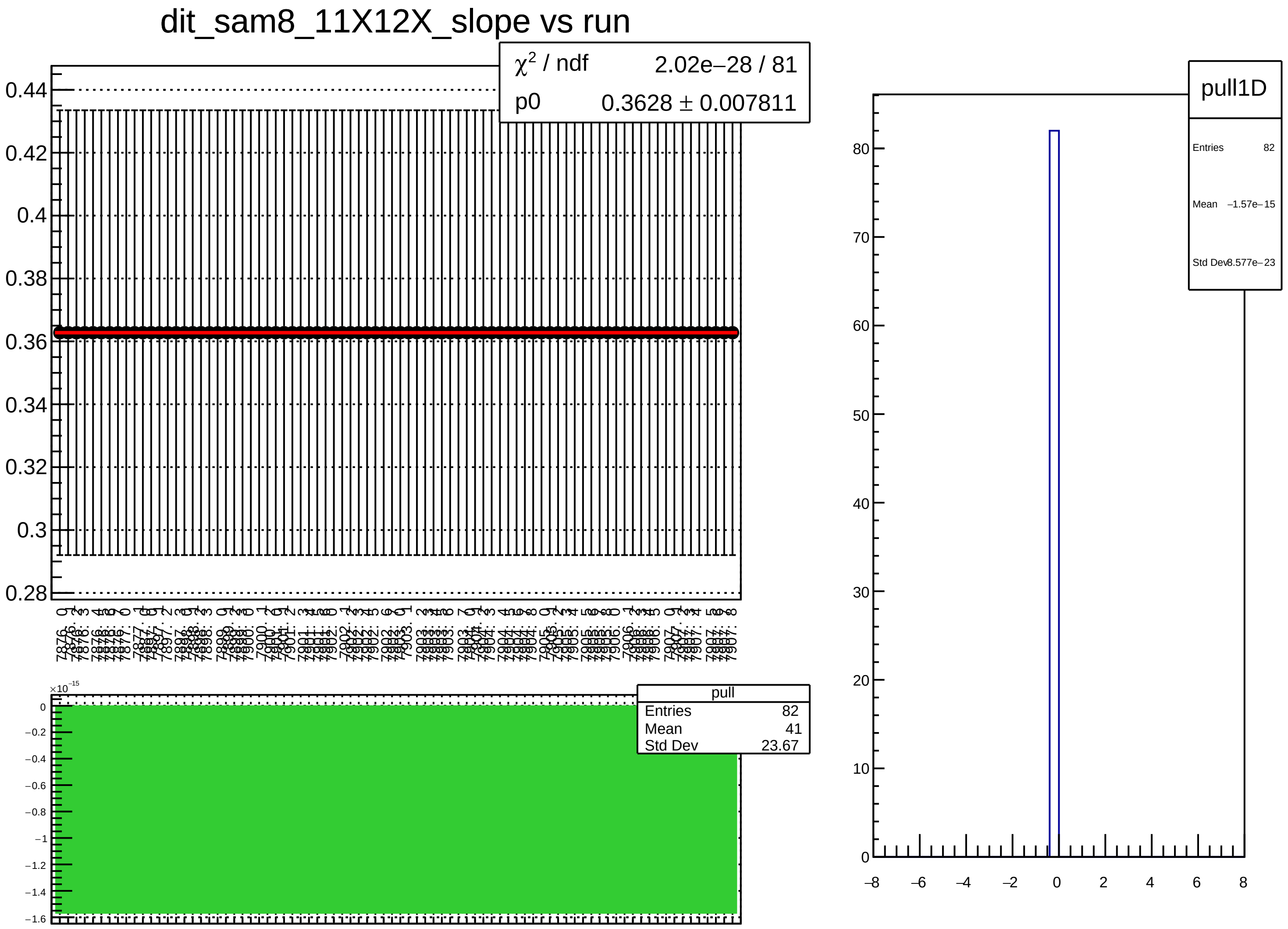
dit_sam7_4eY_slope vs run
χ^2 / ndf 9.346e−25 / 81
p0 −12.07 ± 0.0147
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.068e−13
Std Dev 2.075e−21



dit_sam8_4aX_slope vs run
χ2 / ndf 6.371e−25 / 81
p0 28.77 ± 0.04451
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.814e−14
Std Dev 3.594e−21

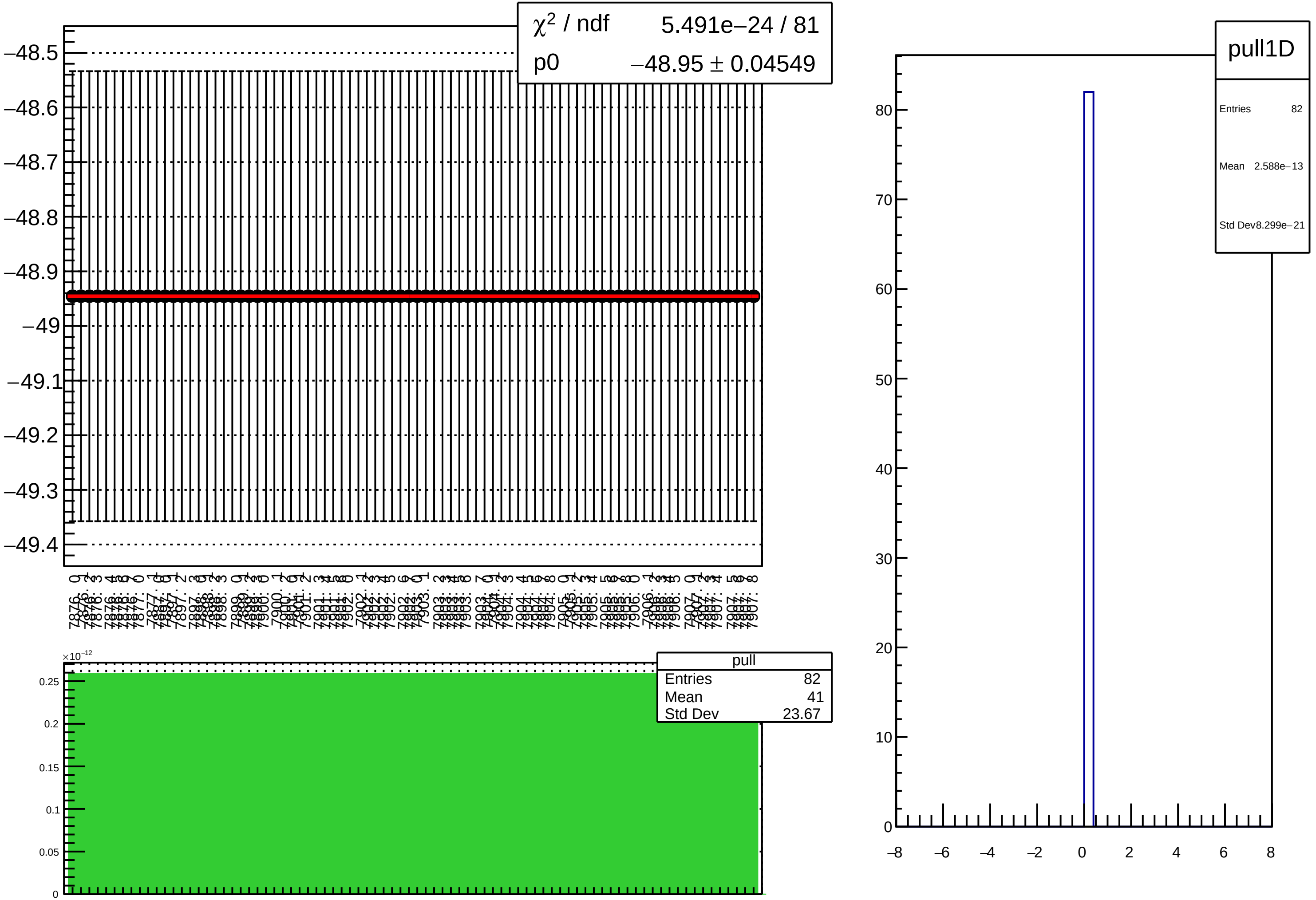


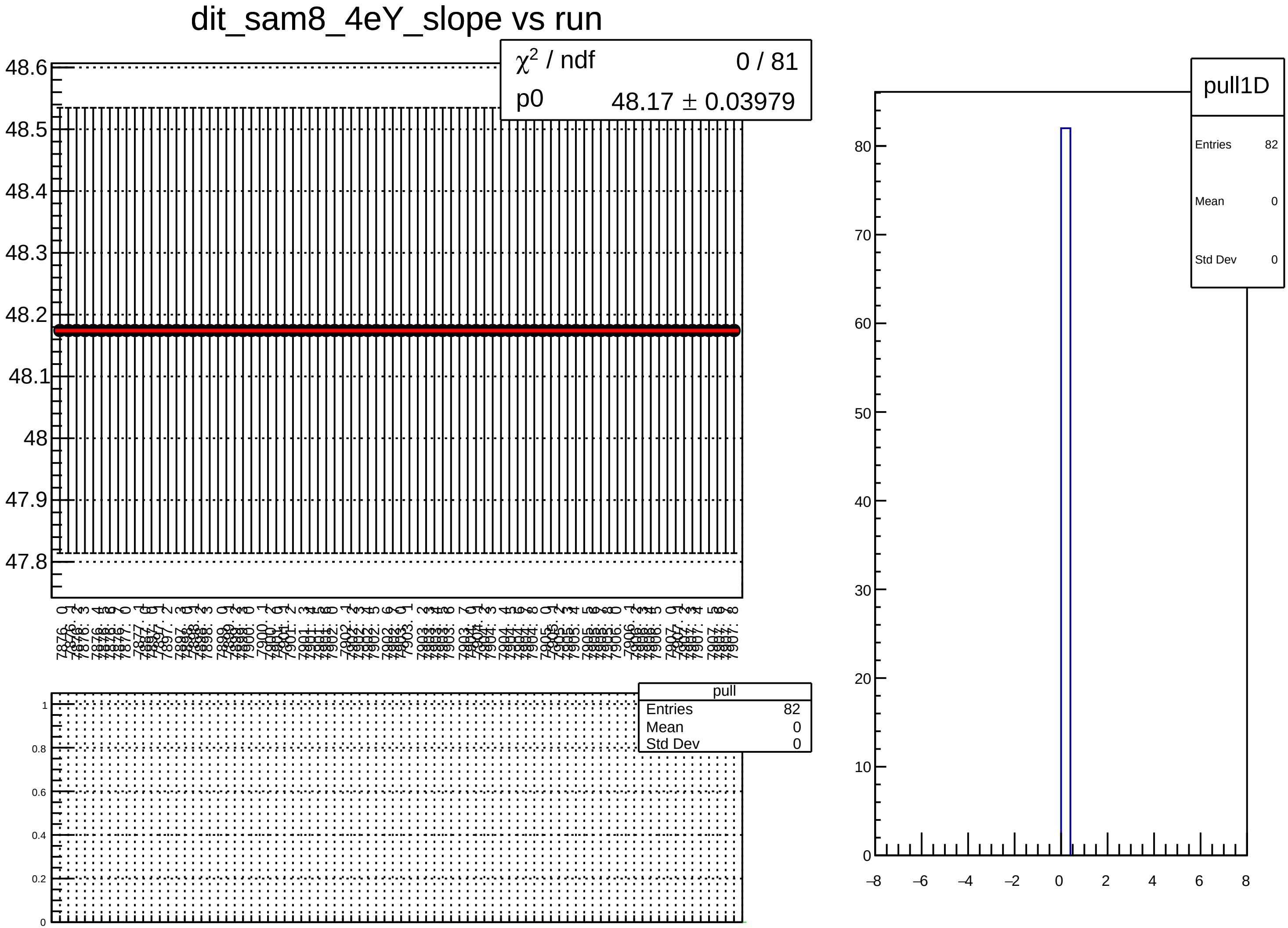
dit_sam8_4eX_slope vs run
χ^2 / ndf 2.365e−23 / 81
p0 −47.54 ± 0.02776
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.37e−13
Std Dev 1.793e−20

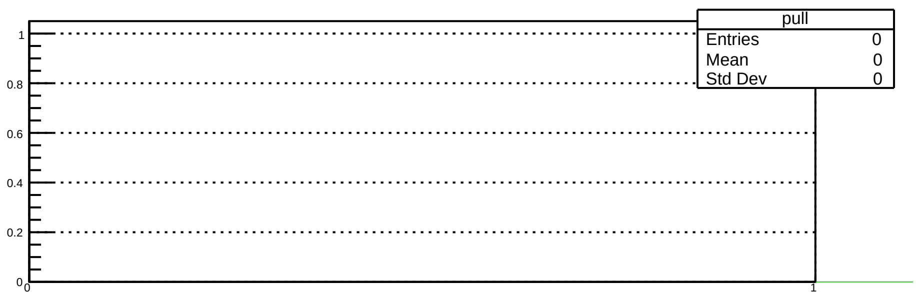


dit_sam8_11X12X_slope vs run
χ^2 / ndf 2.02e−28 / 81
p0 0.3628 ± 0.007811
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.57e−15
Std Dev 8.577e−23

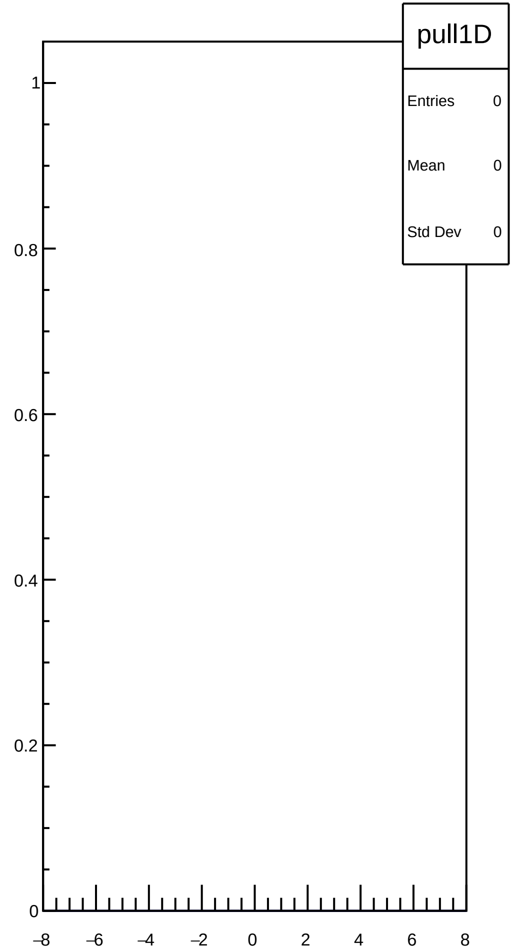
dit_sam8_4aY_slope vs run



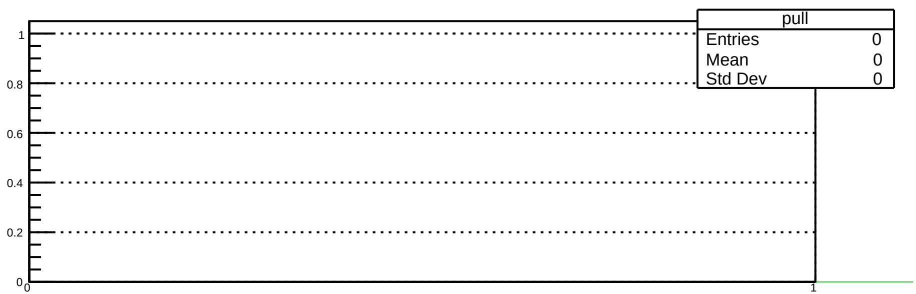
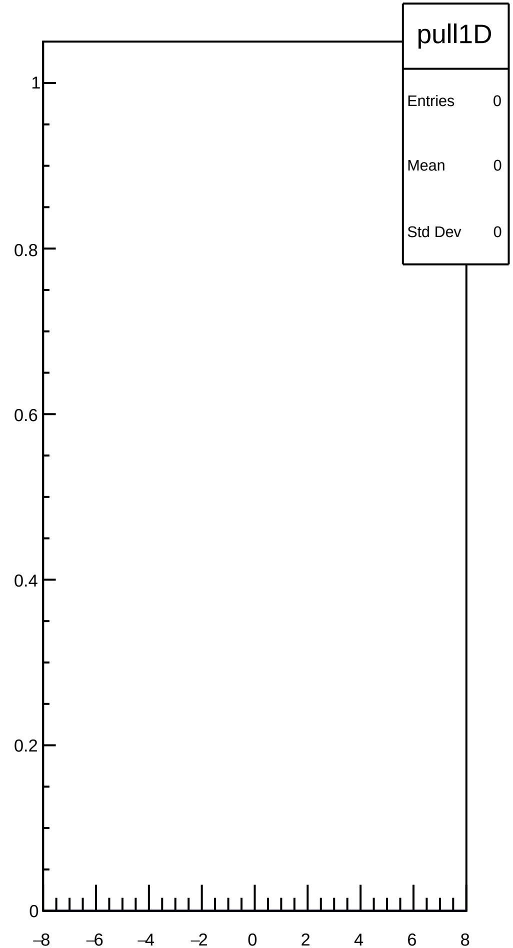

dit_sam8_4eY_slope vs run
χ^2 / ndf 0 / 81
p0 48.17 ± 0.03979
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0



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
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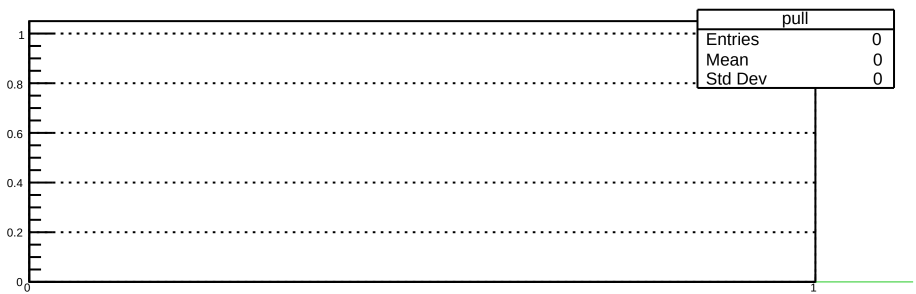
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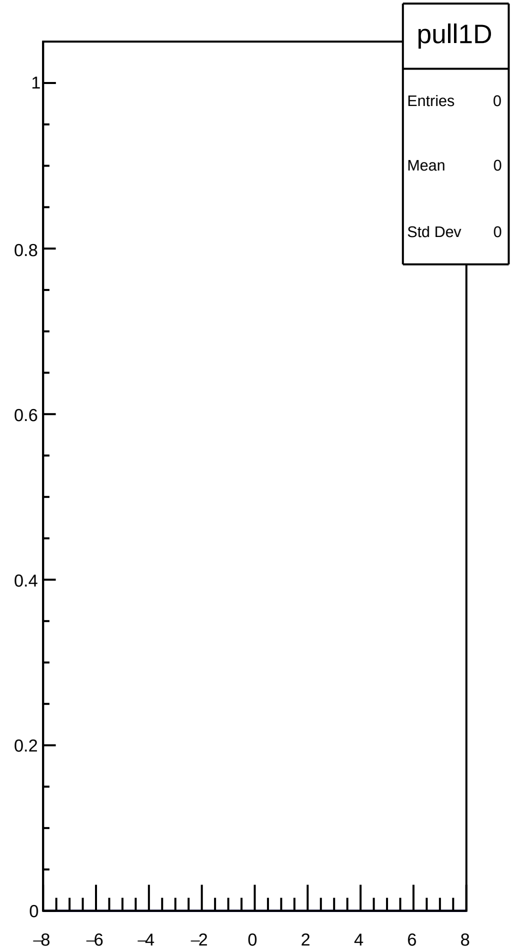
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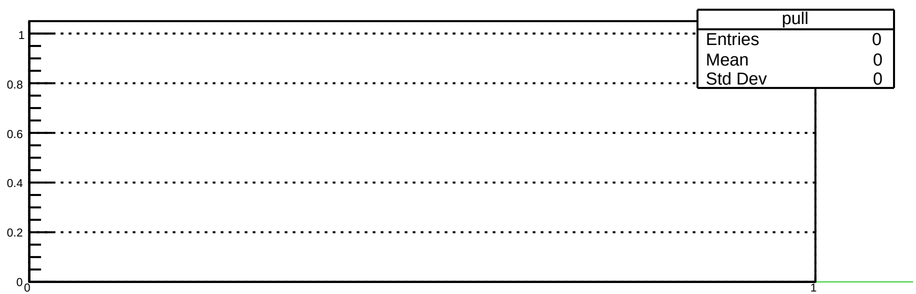
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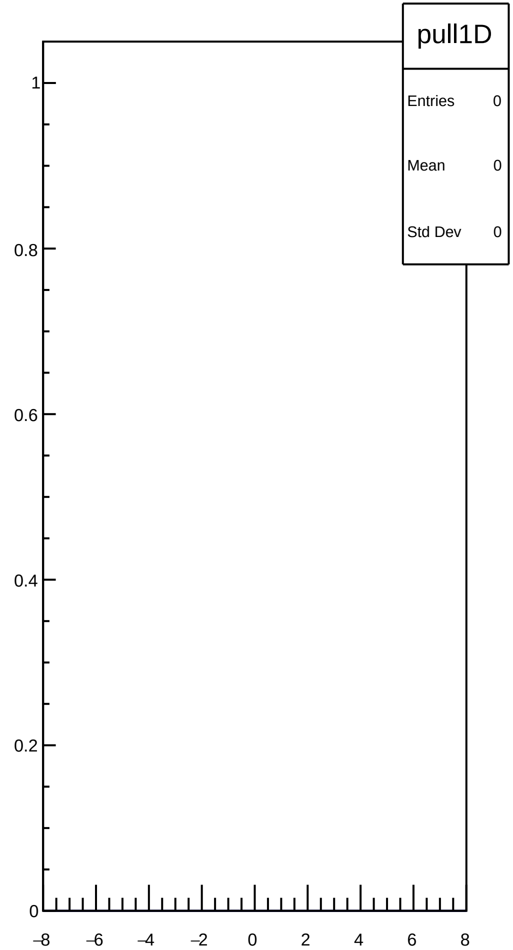
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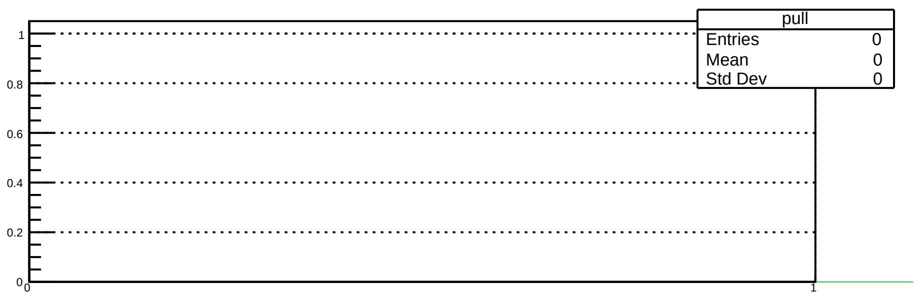
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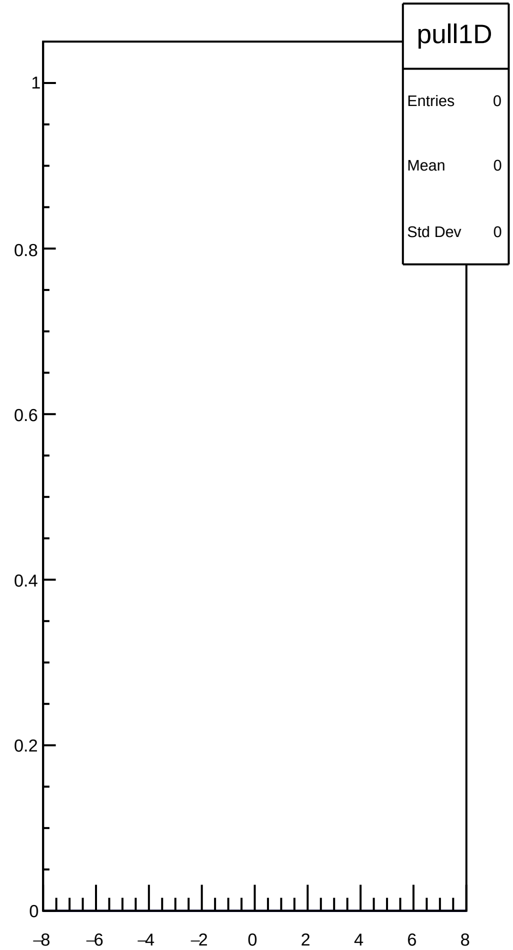
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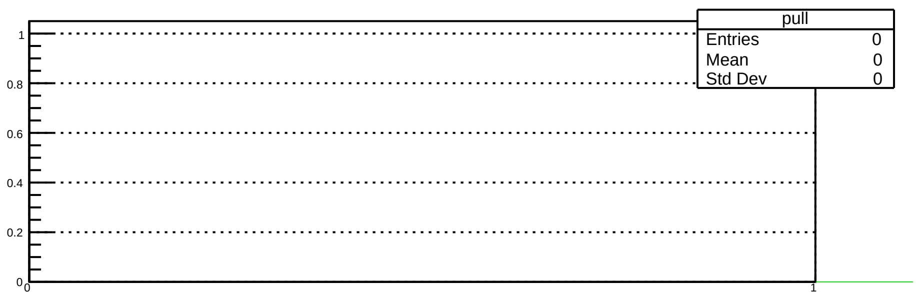

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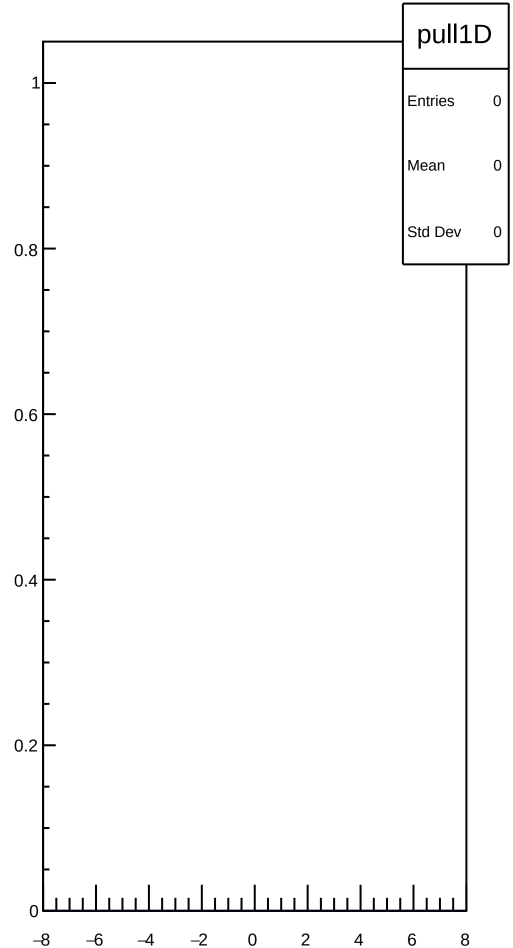

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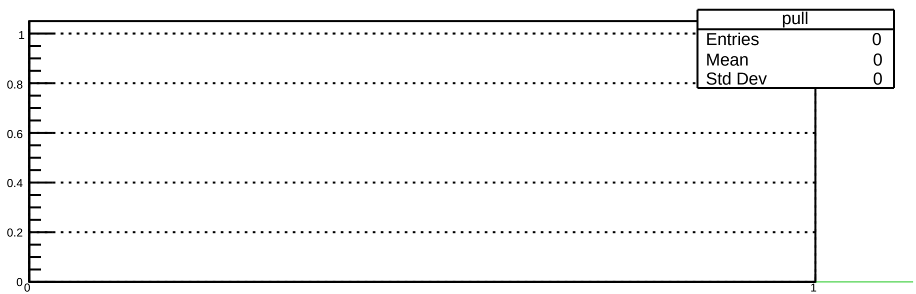
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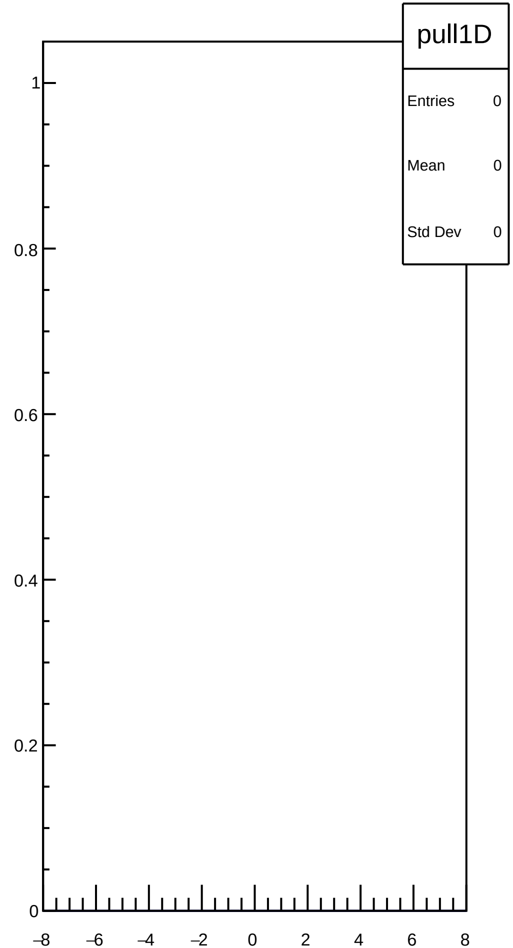
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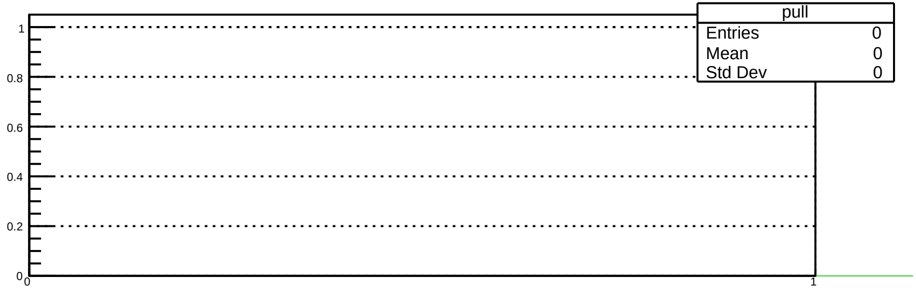
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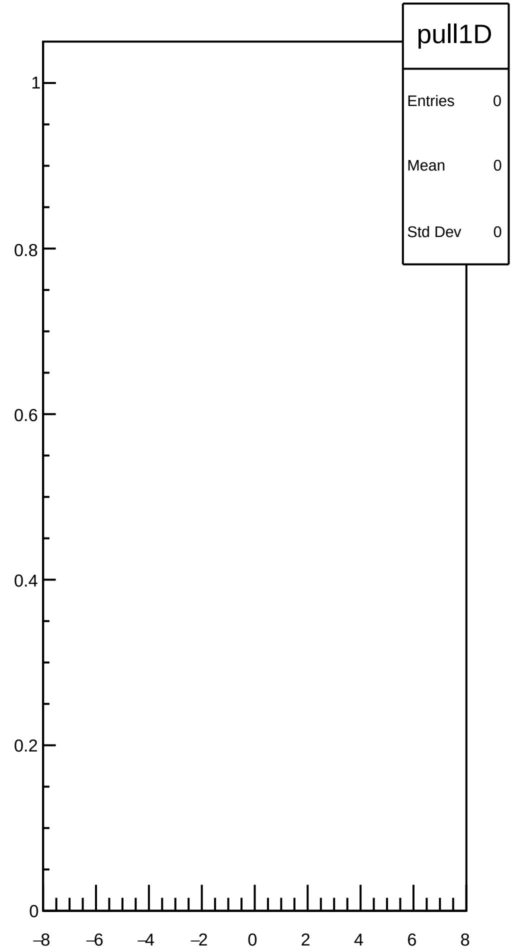
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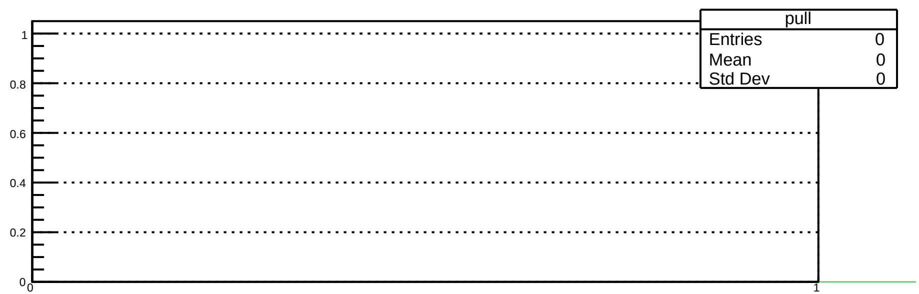

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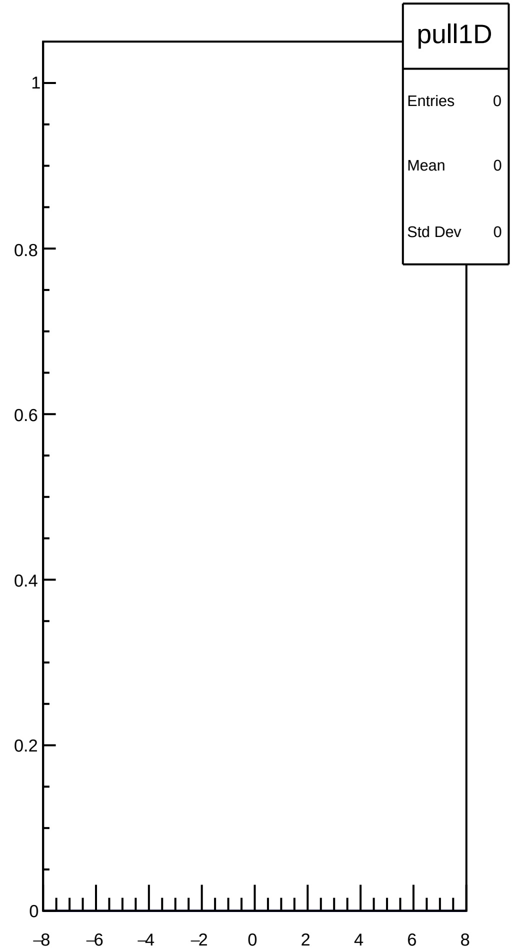

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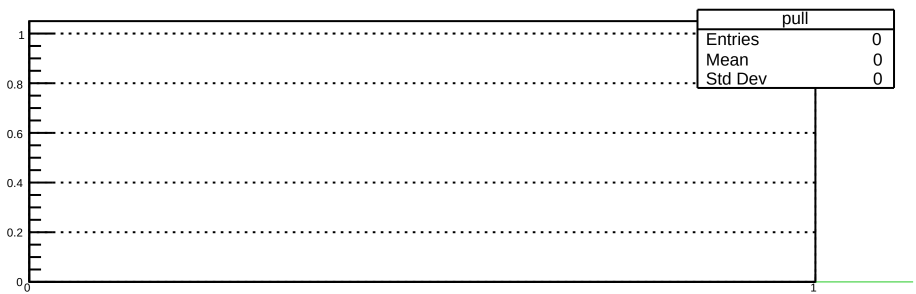
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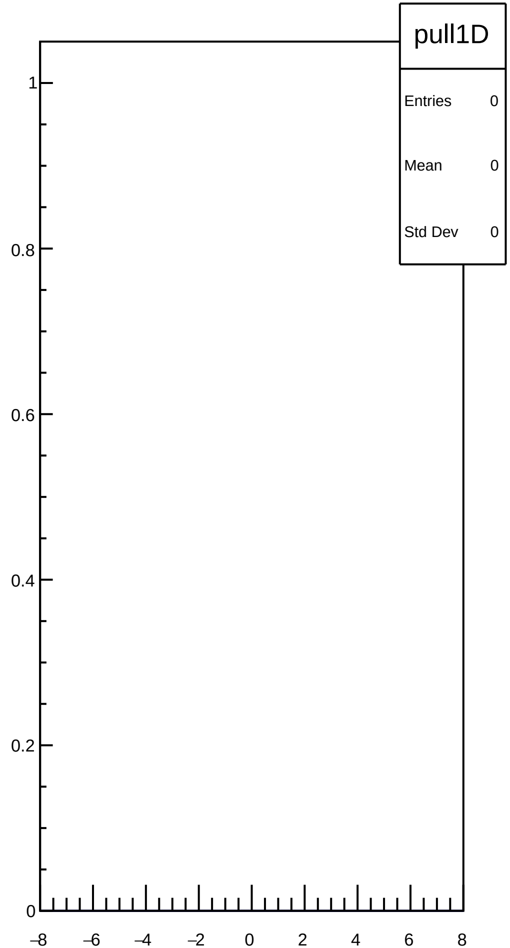
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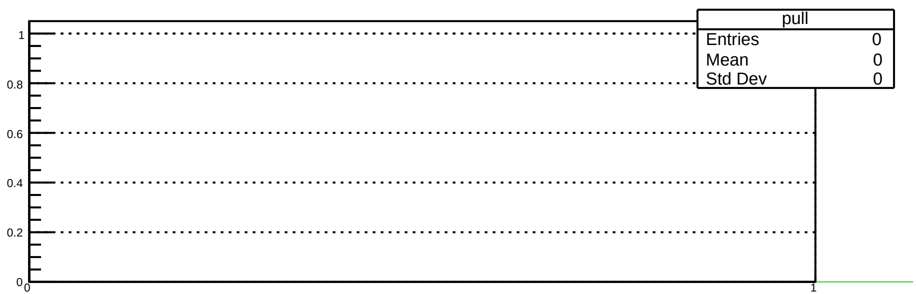

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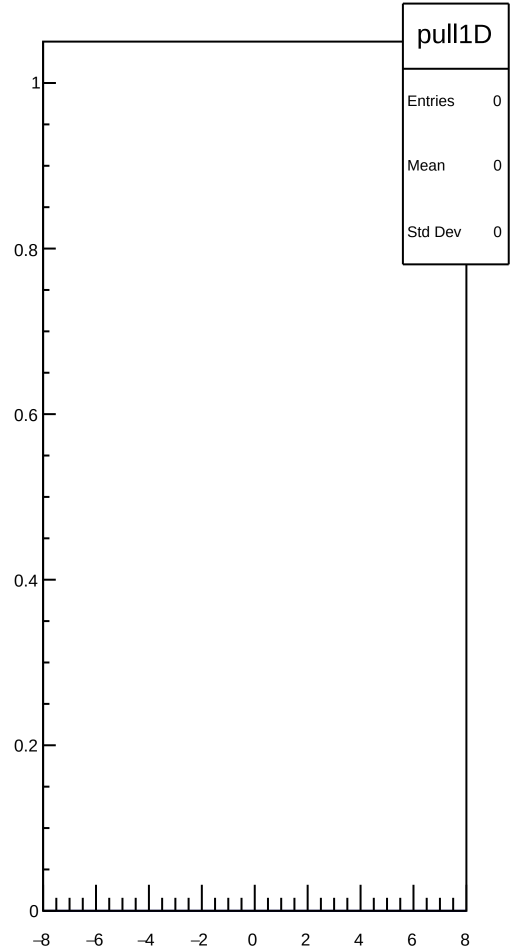

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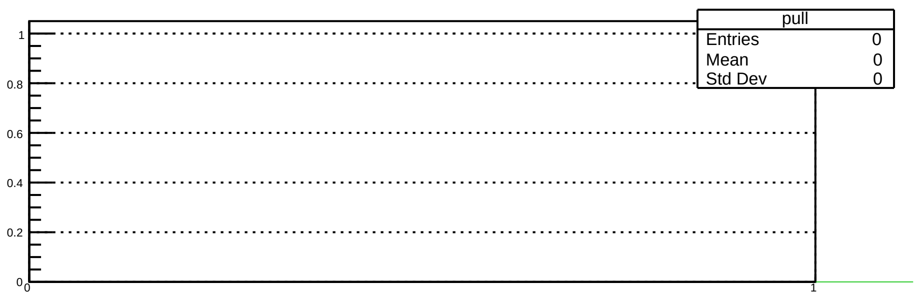

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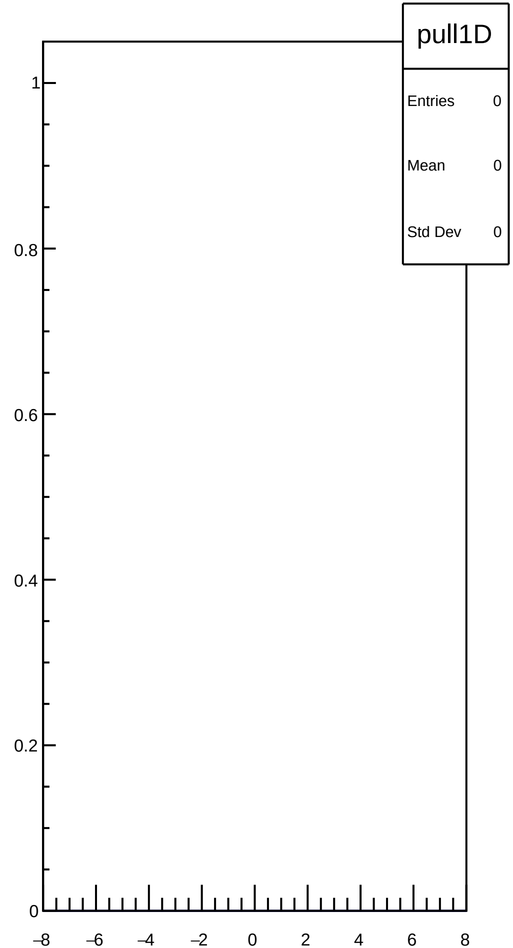

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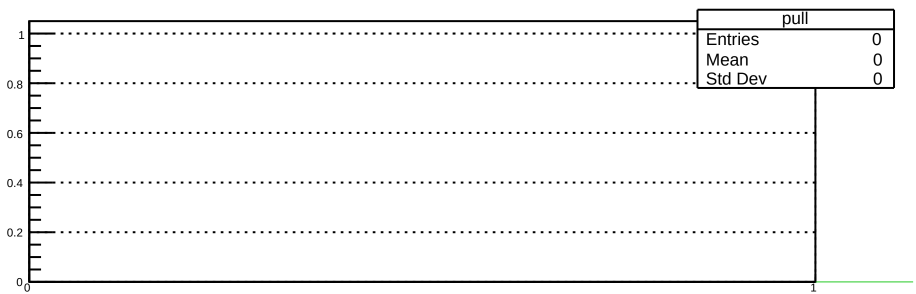
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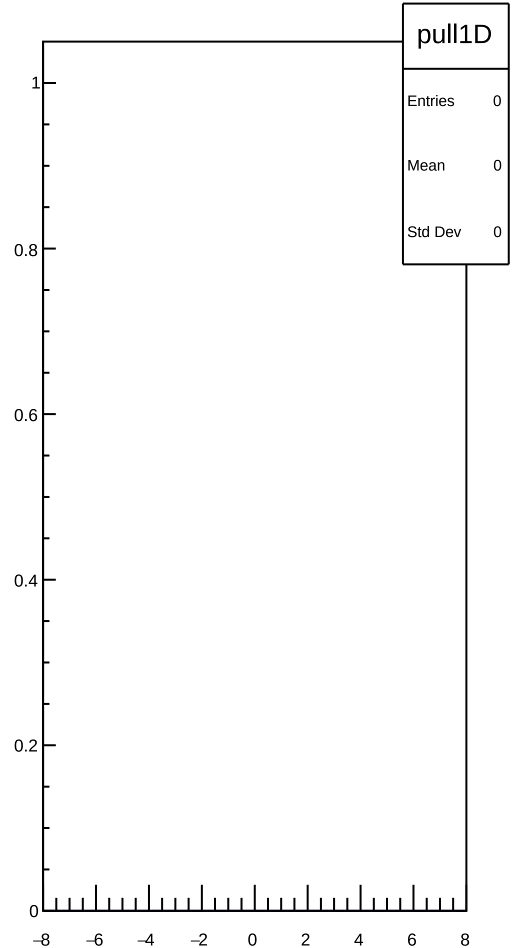
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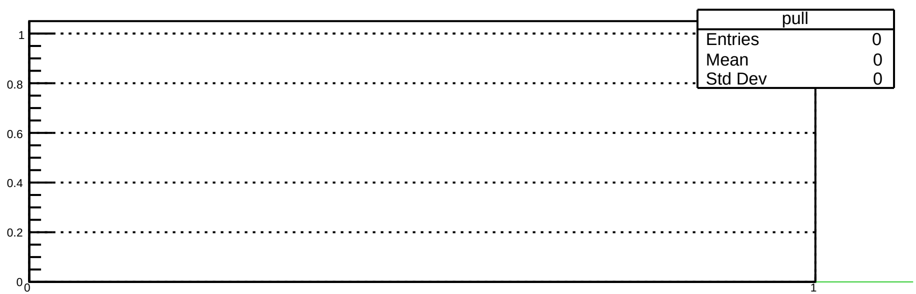

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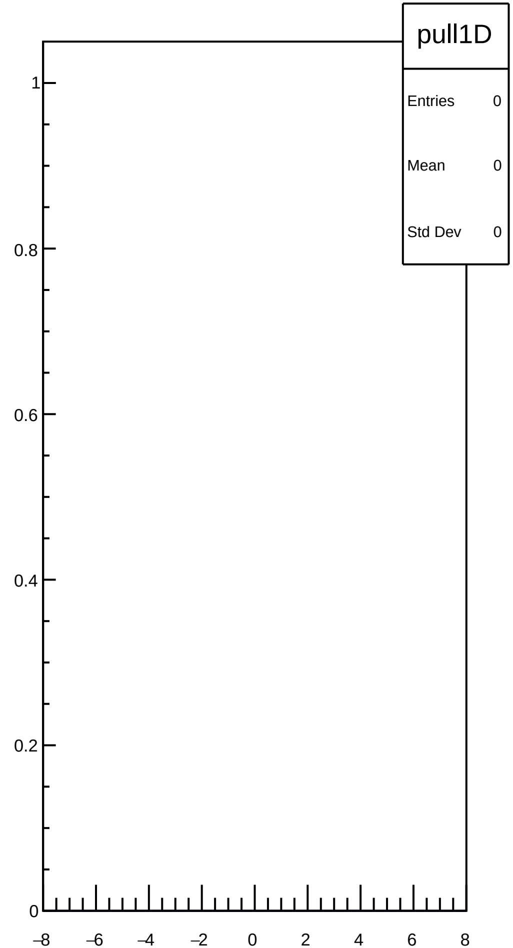

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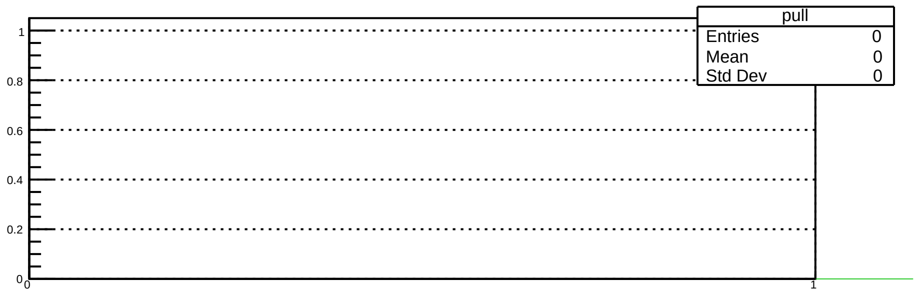

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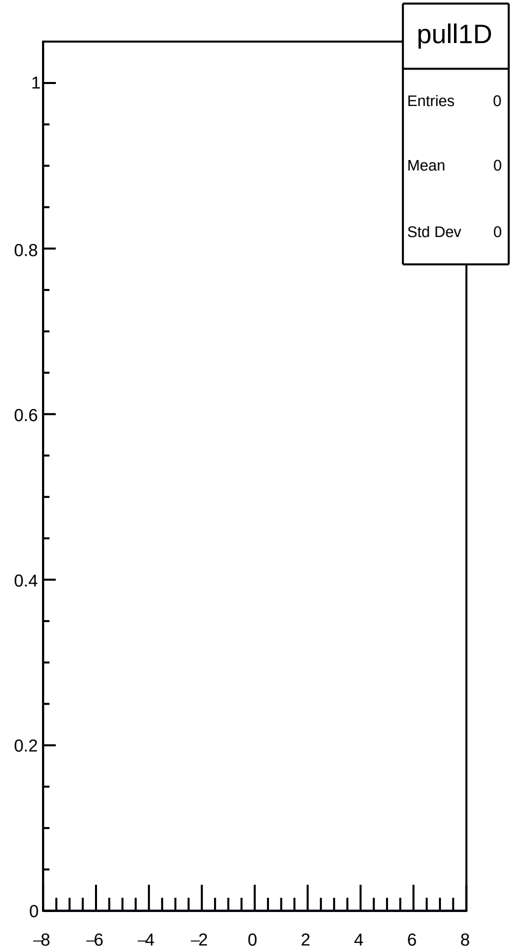

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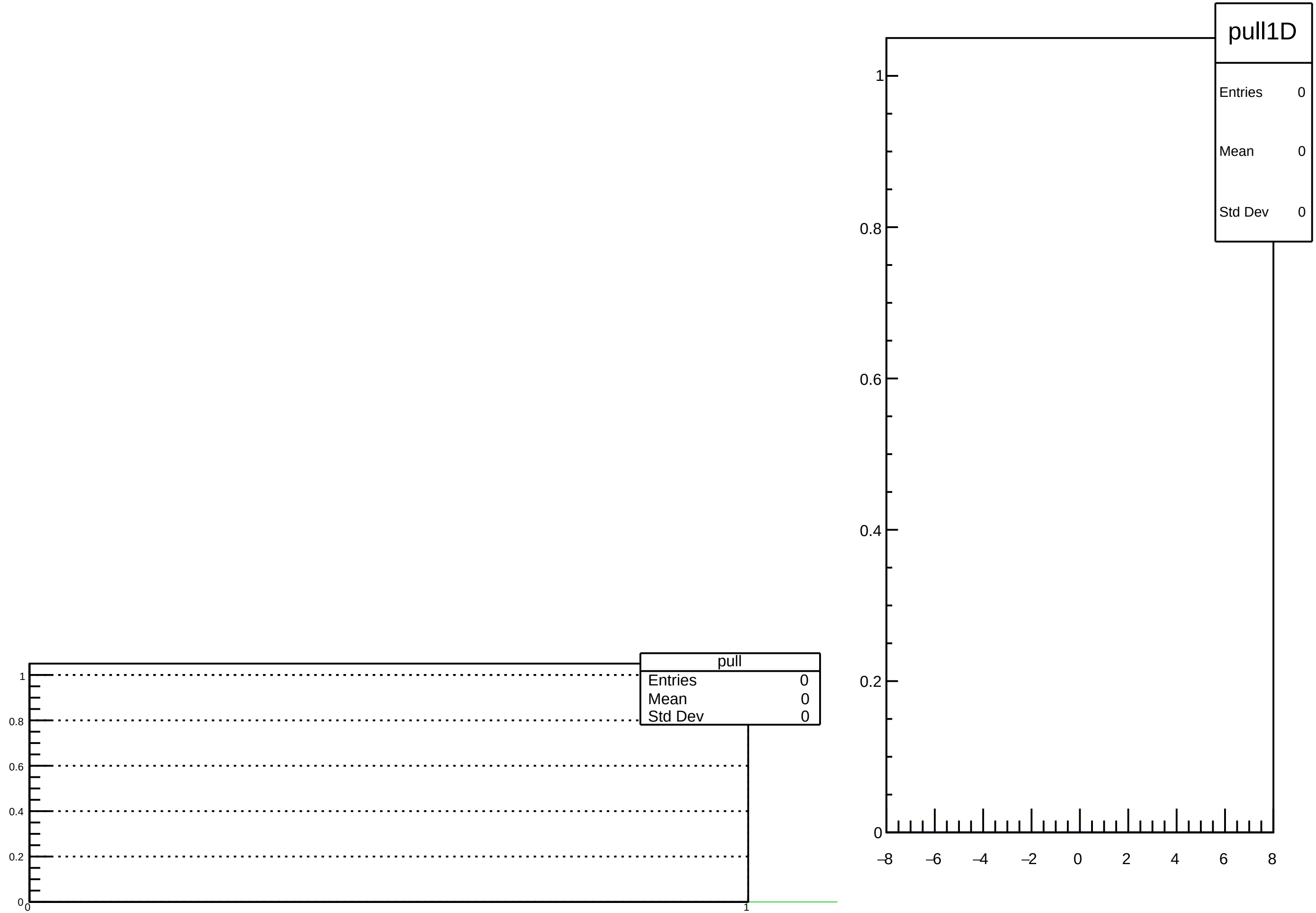
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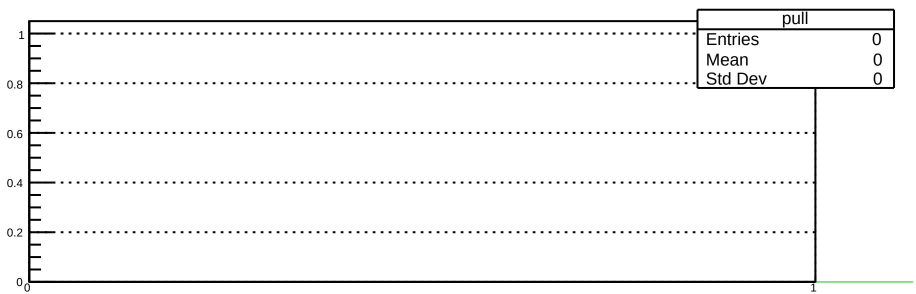
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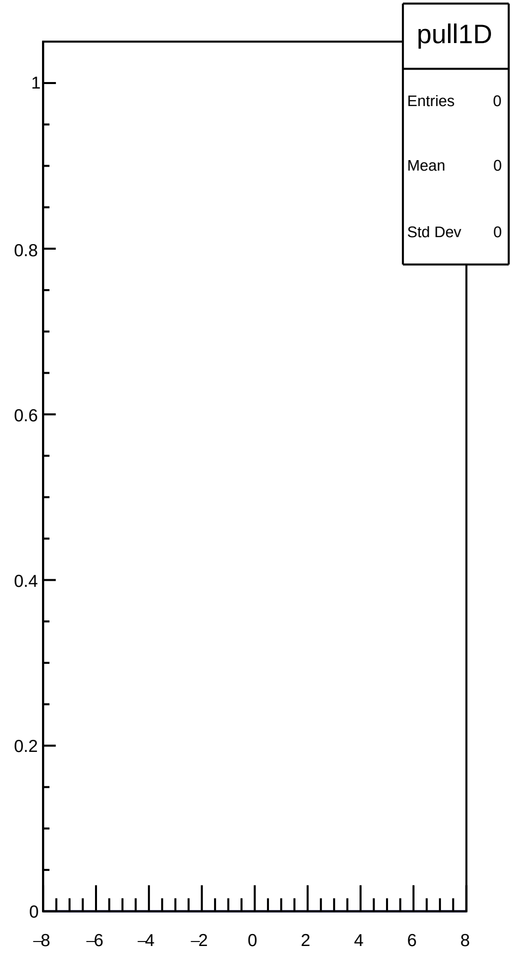
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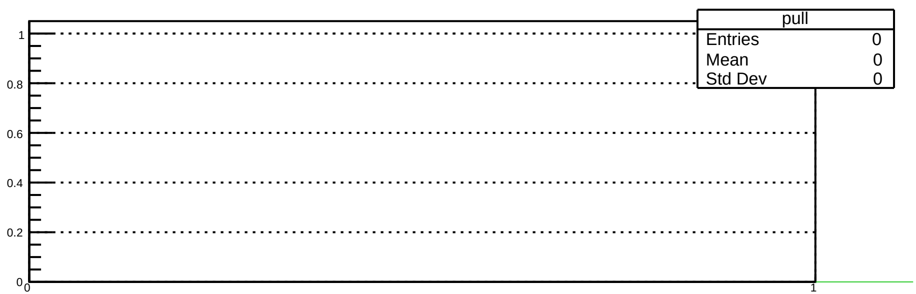
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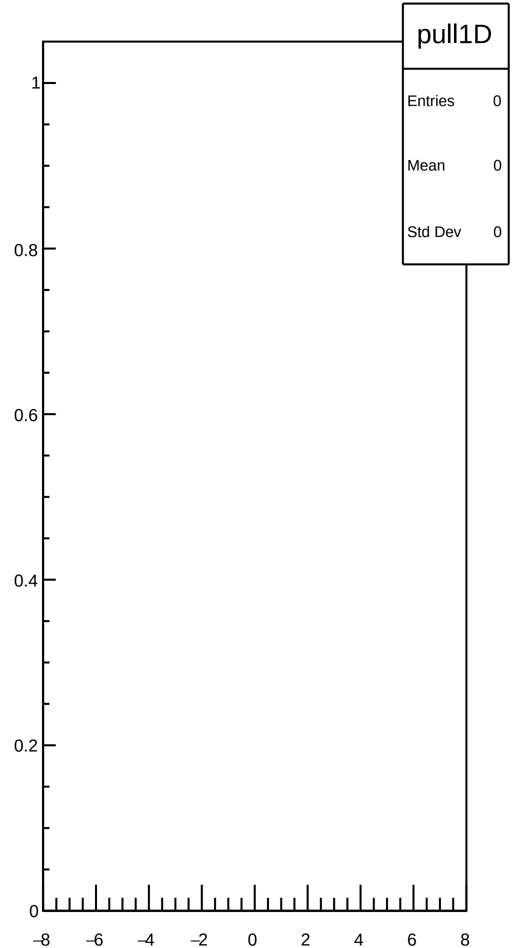
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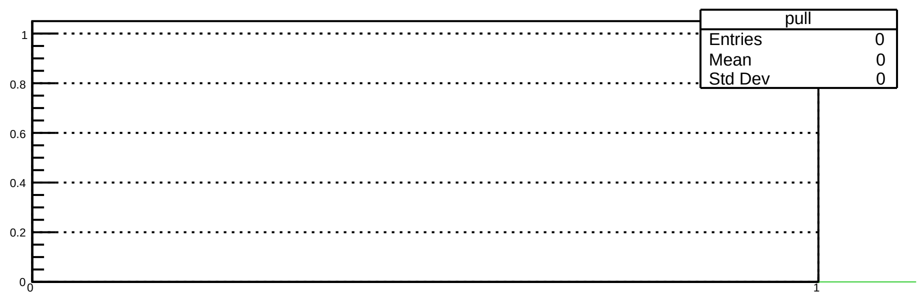
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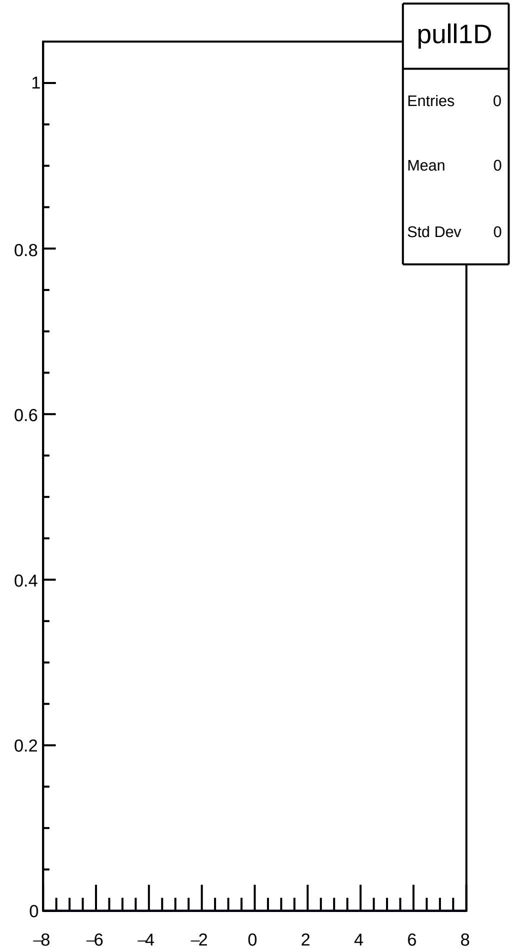
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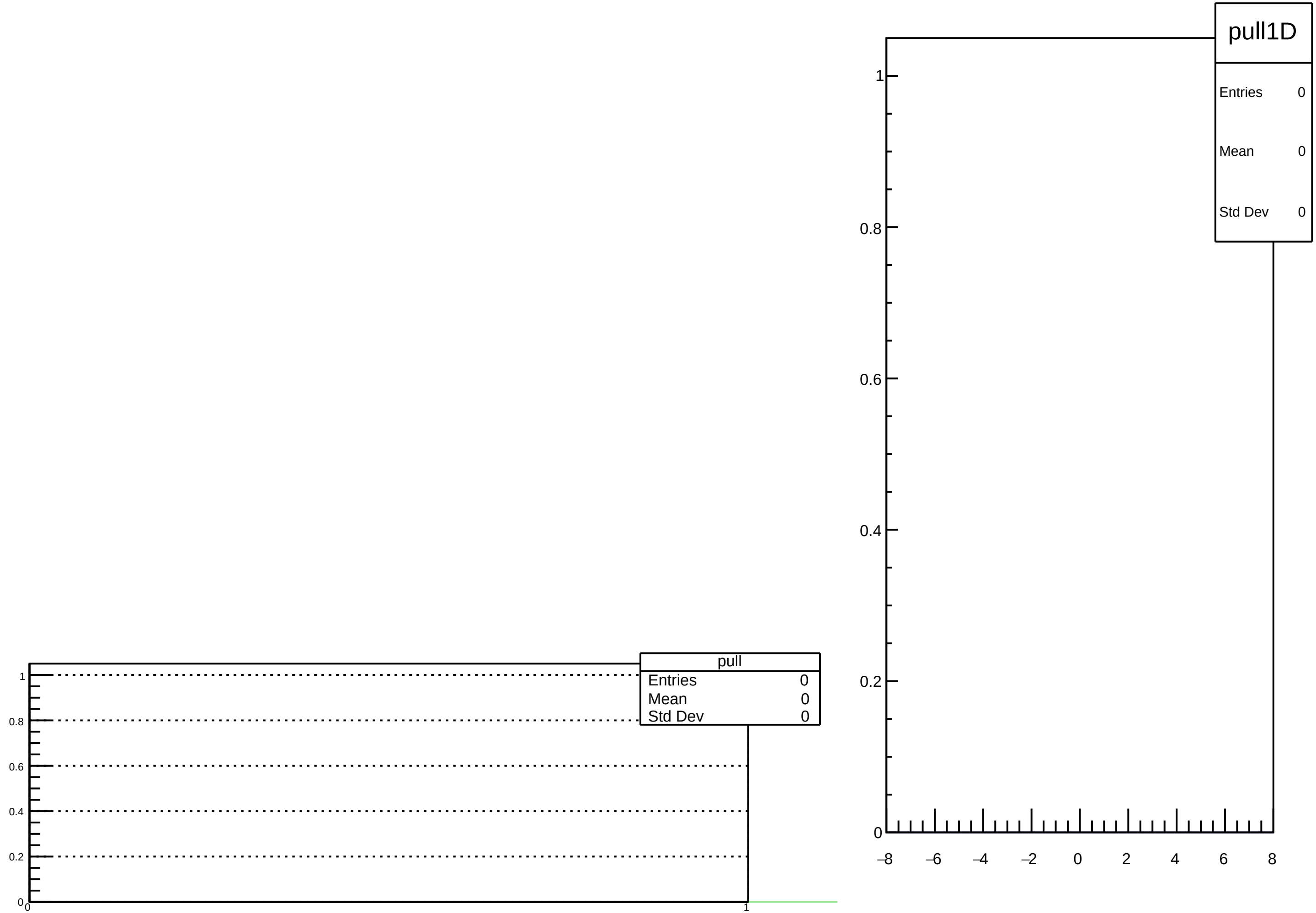

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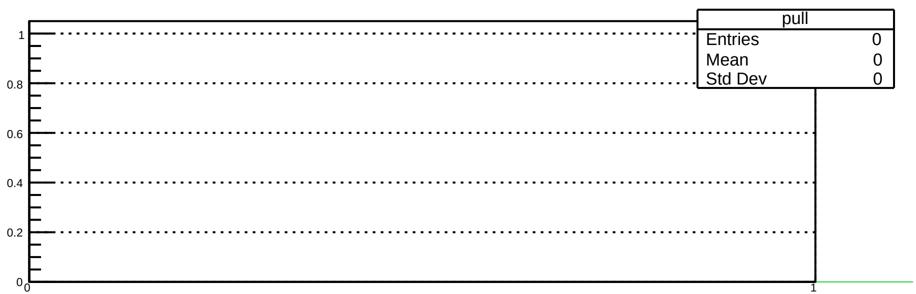
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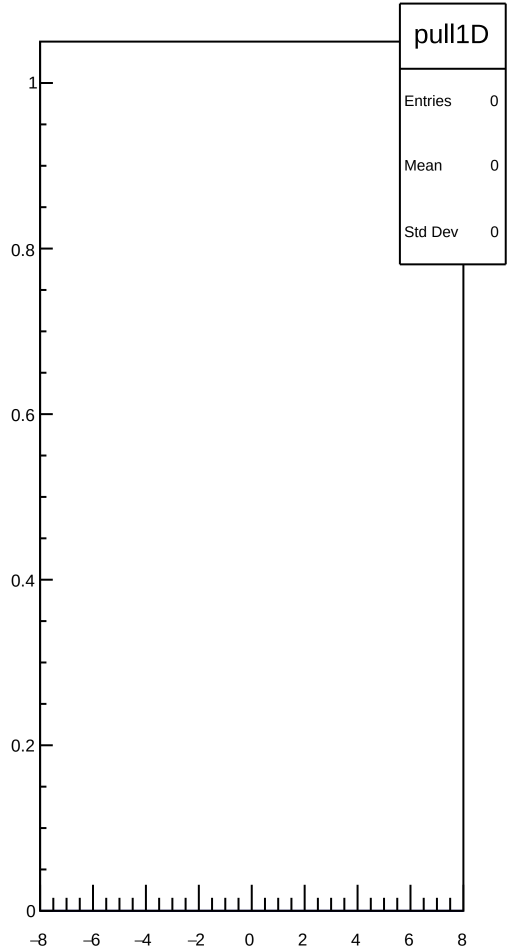
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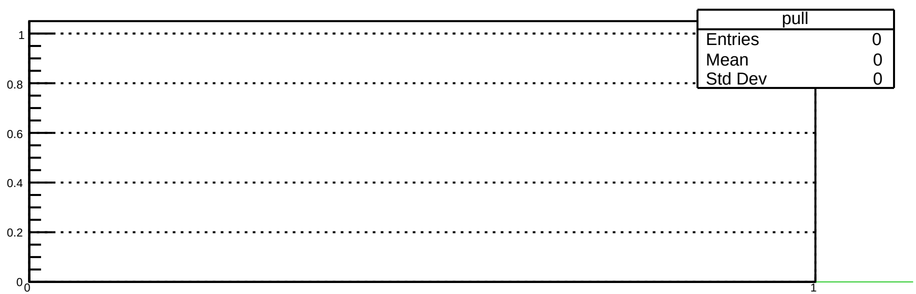
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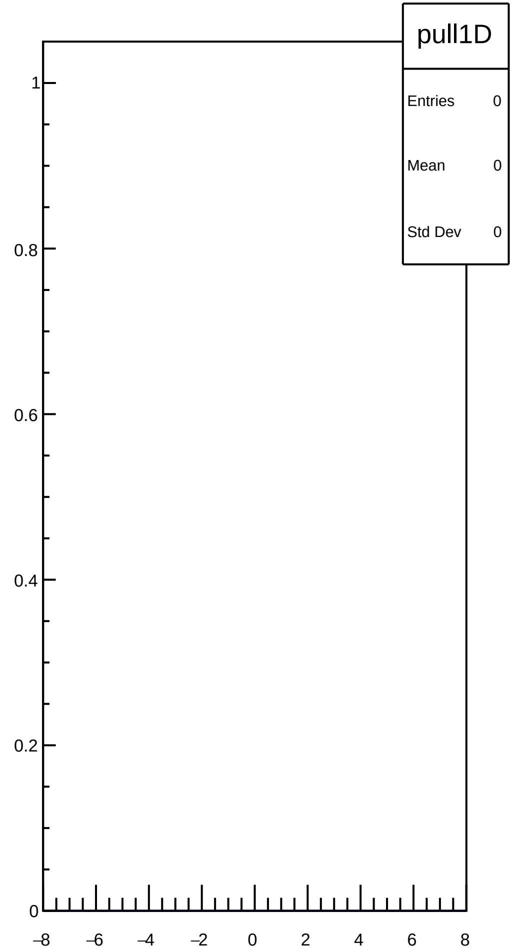
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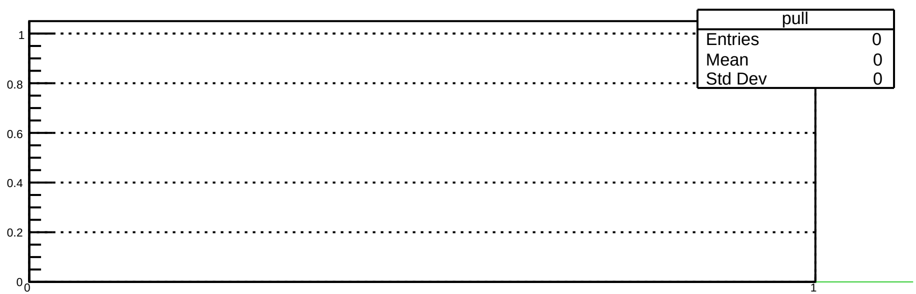
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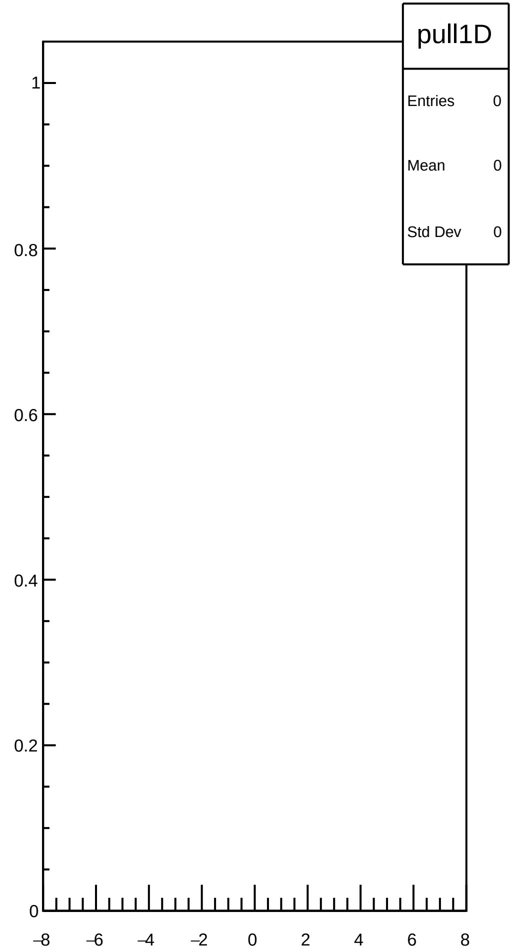
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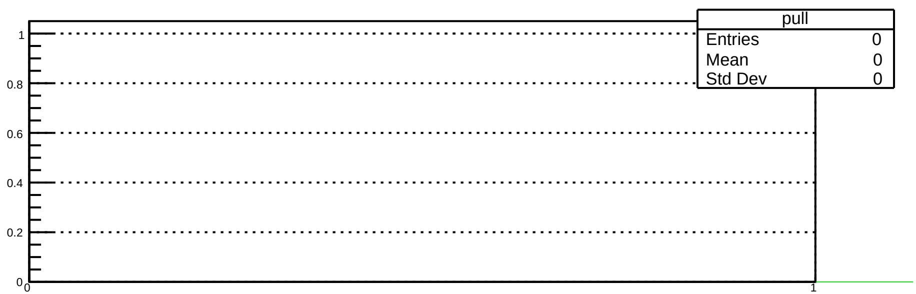
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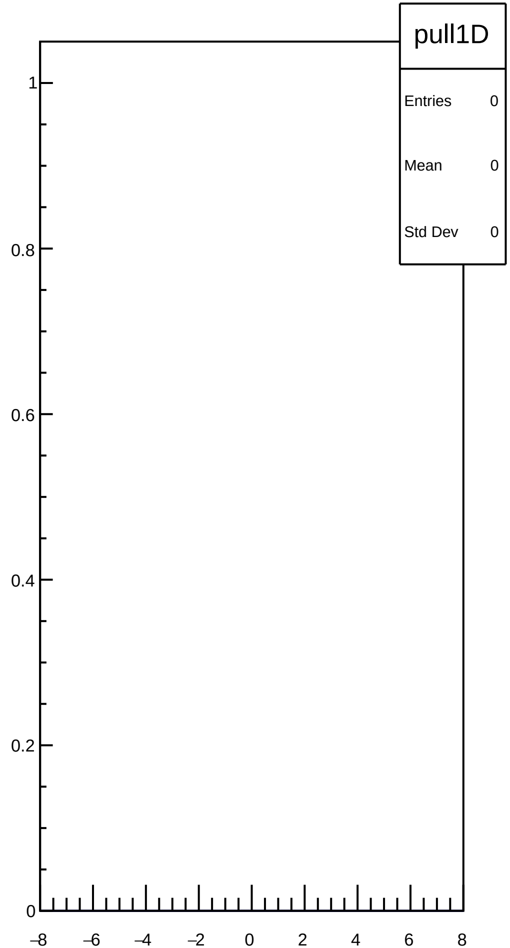
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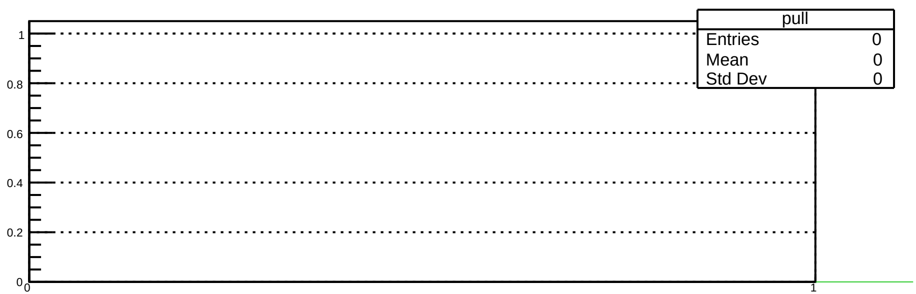
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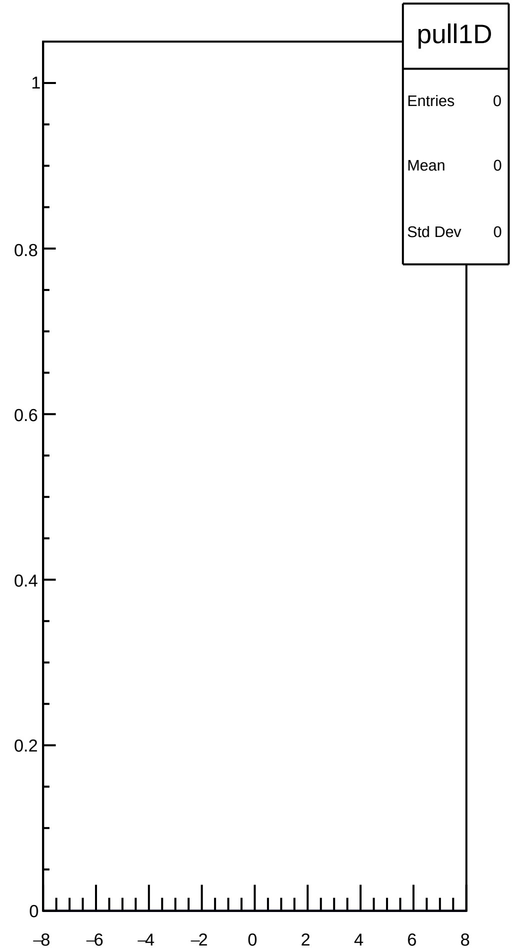
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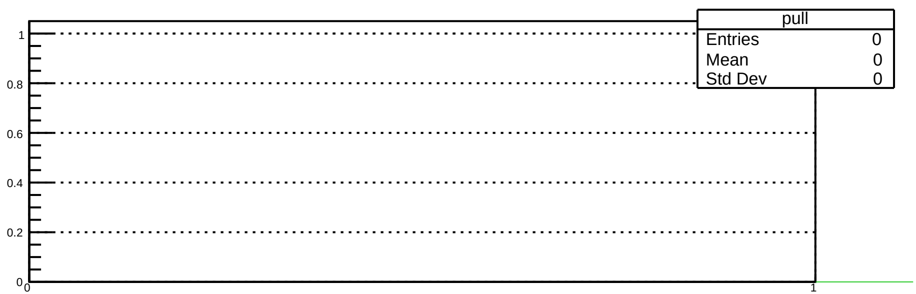

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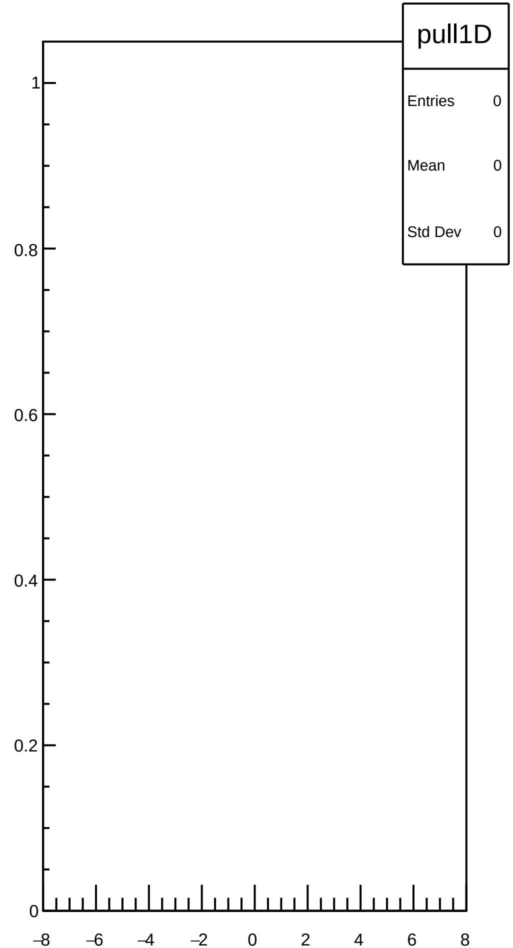

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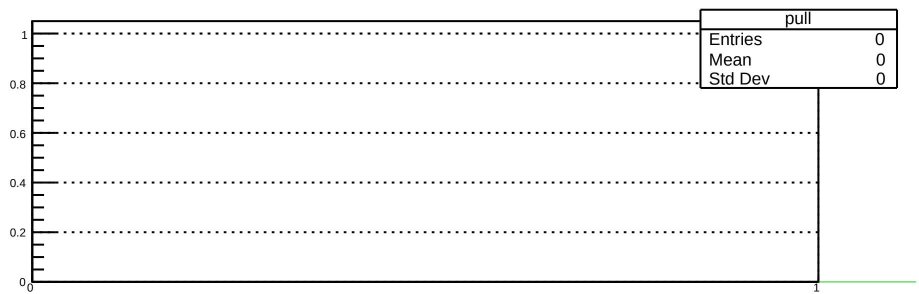
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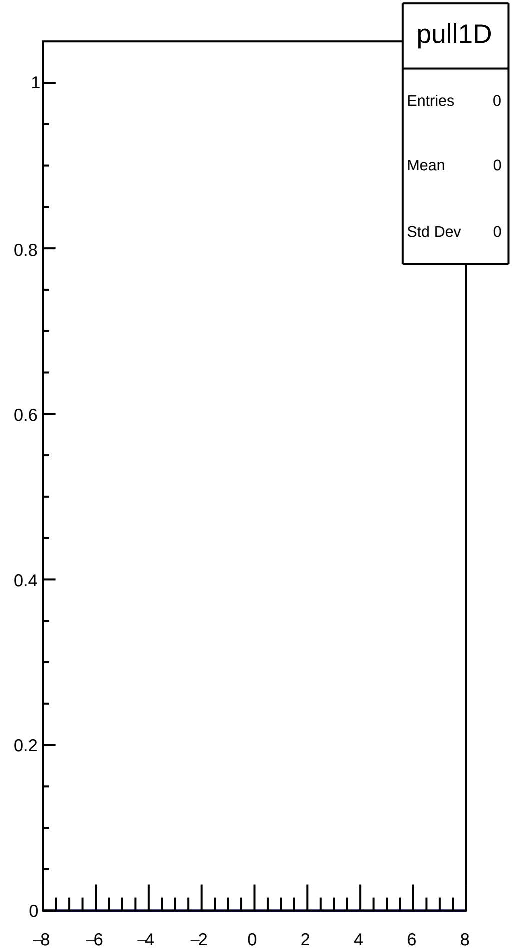
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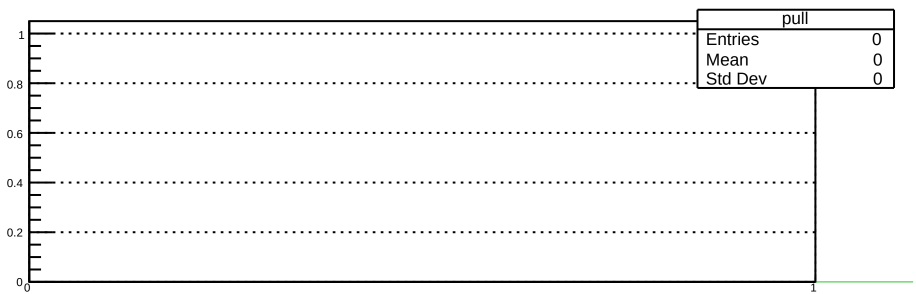
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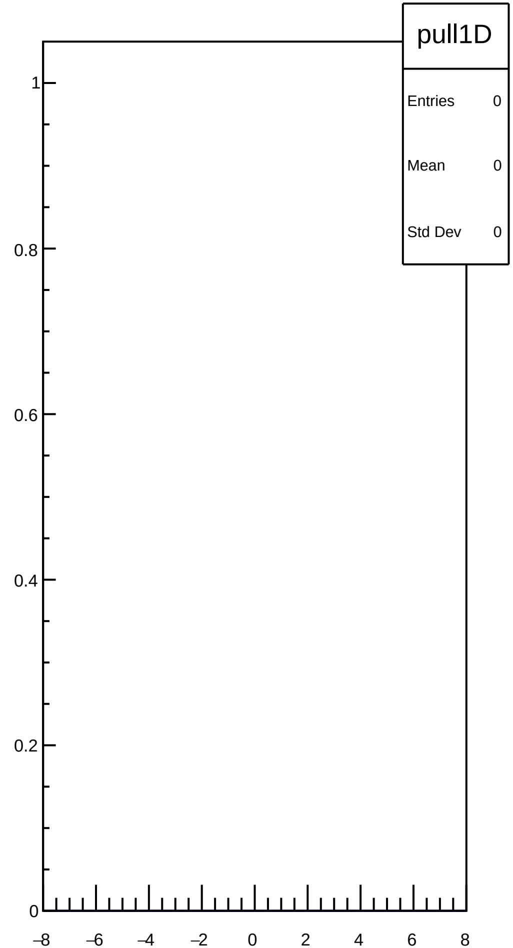
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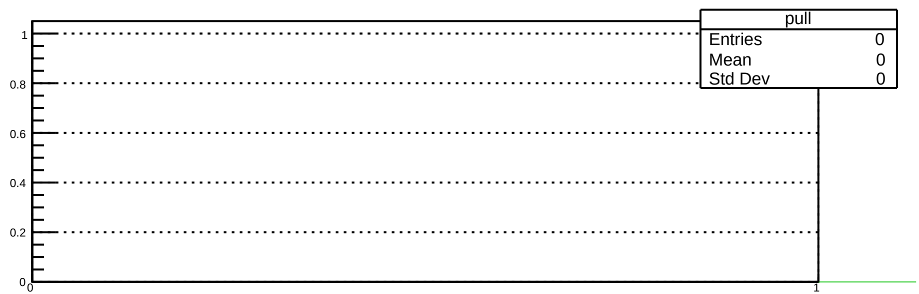
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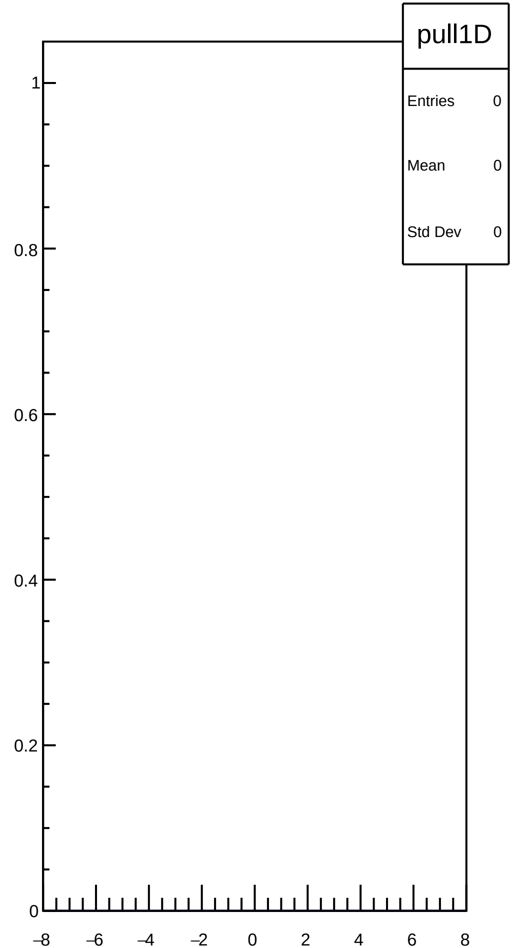
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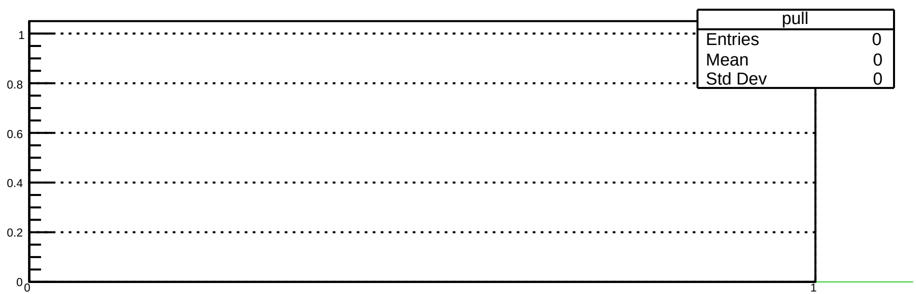
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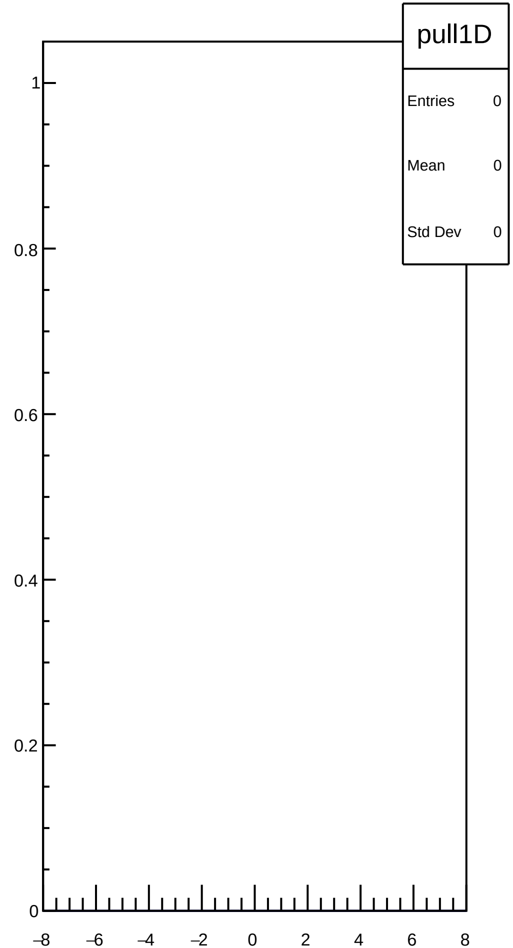
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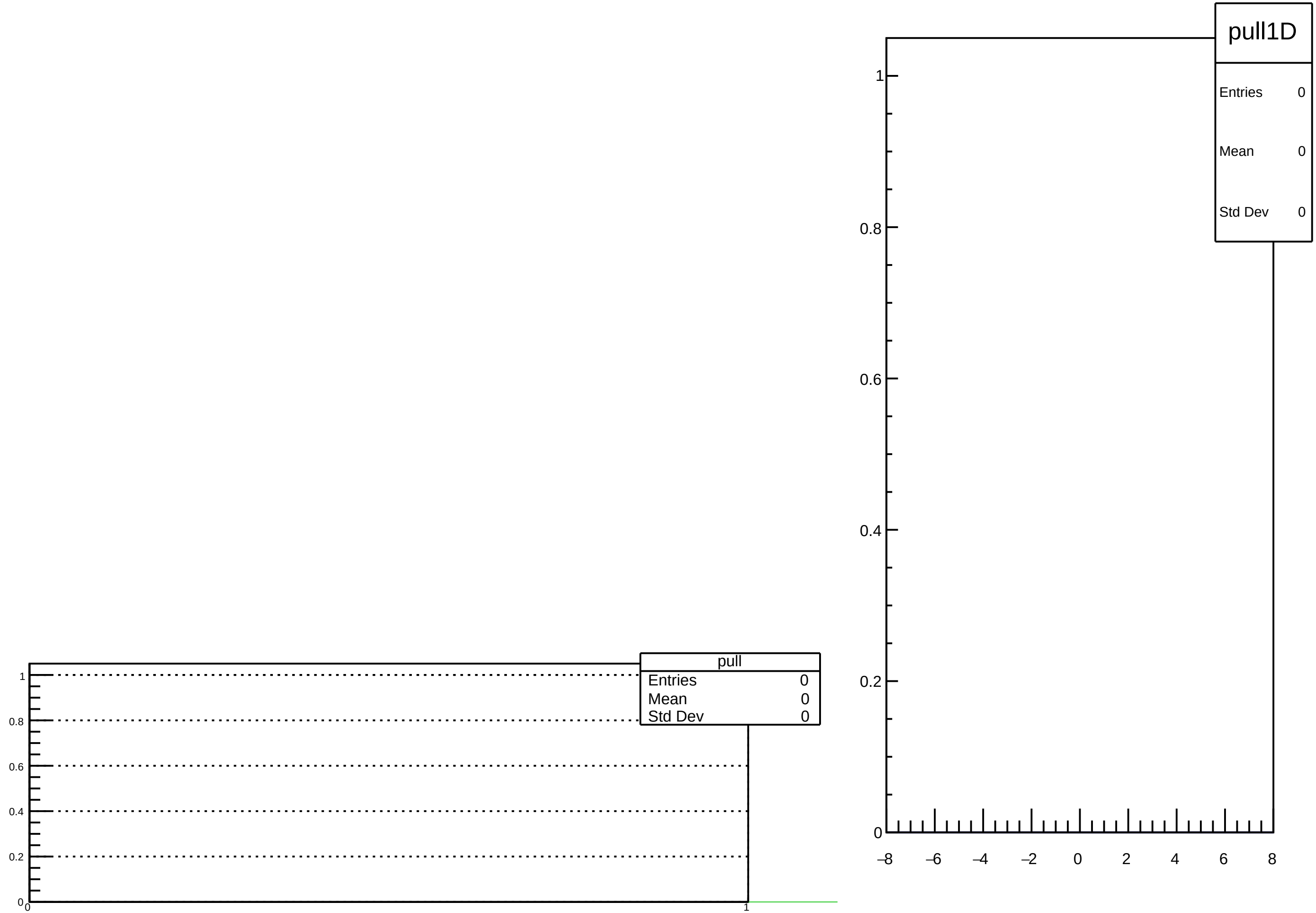

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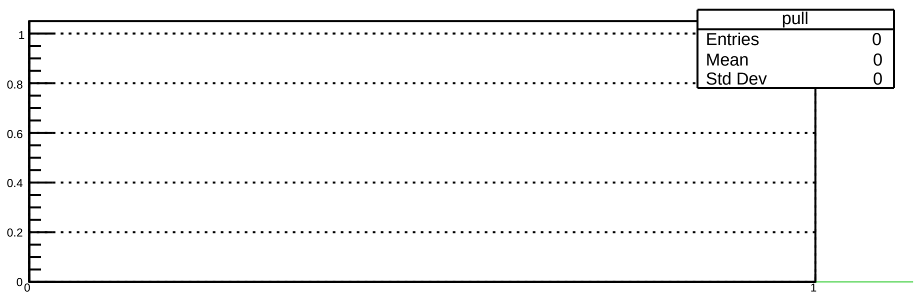
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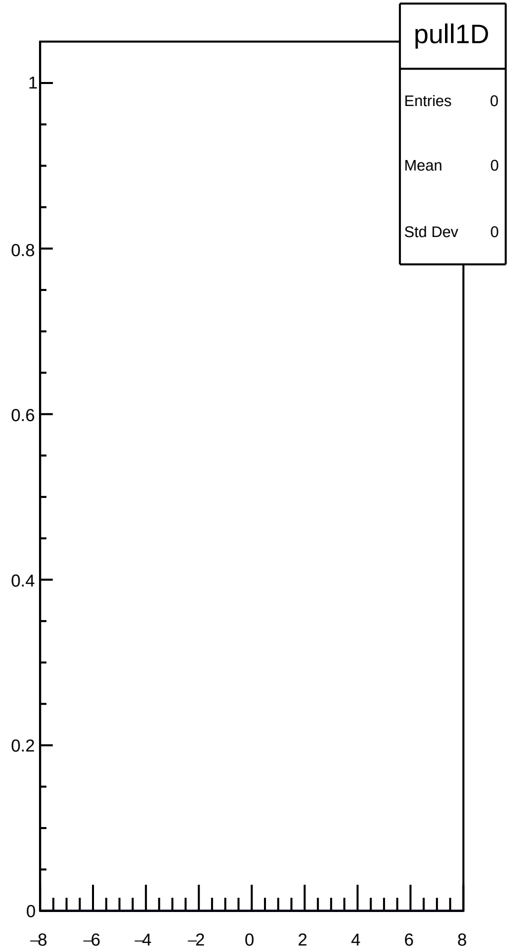
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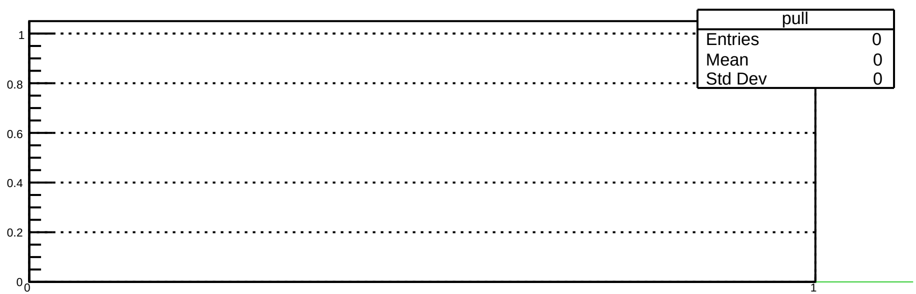

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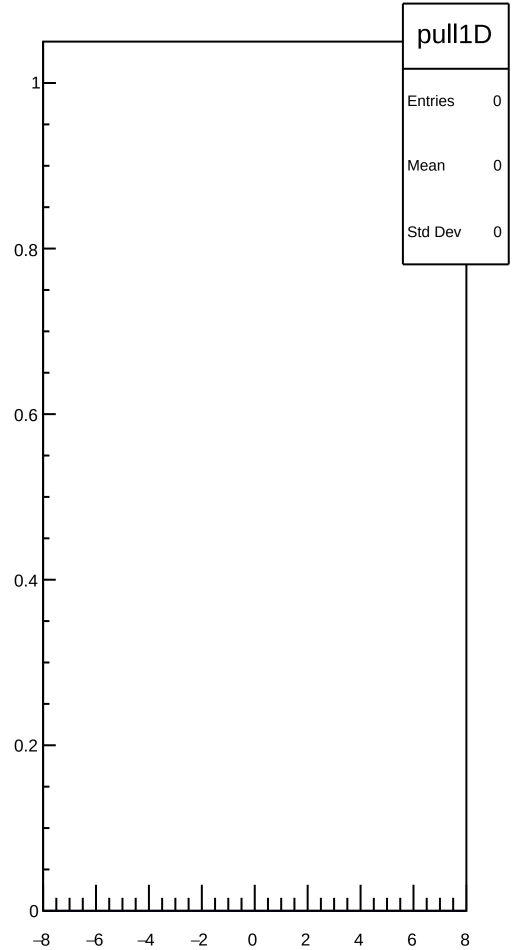

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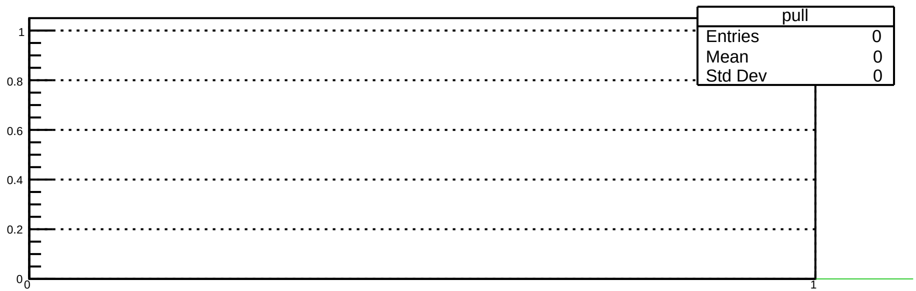
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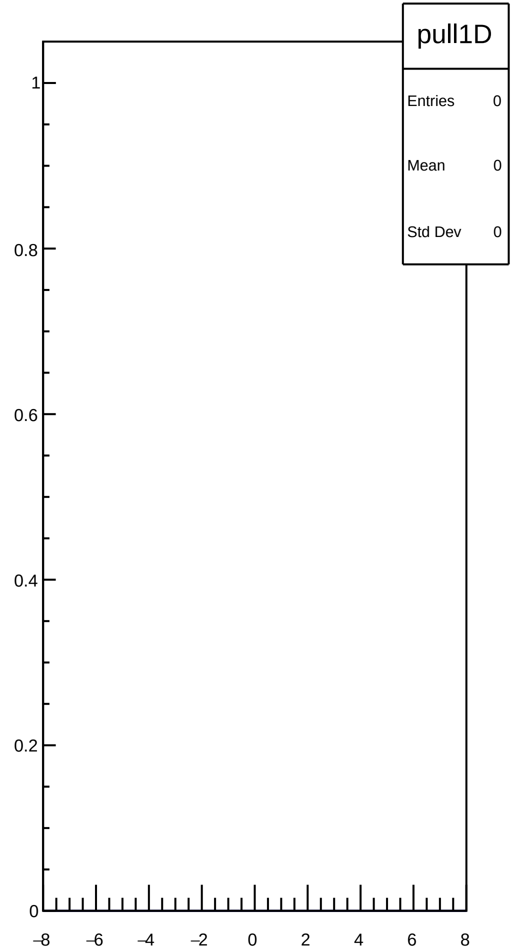
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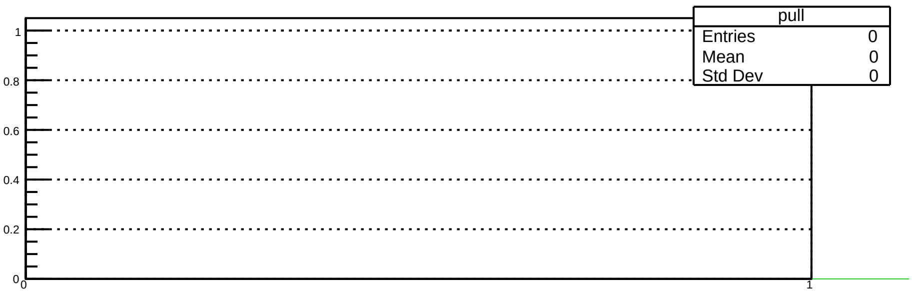
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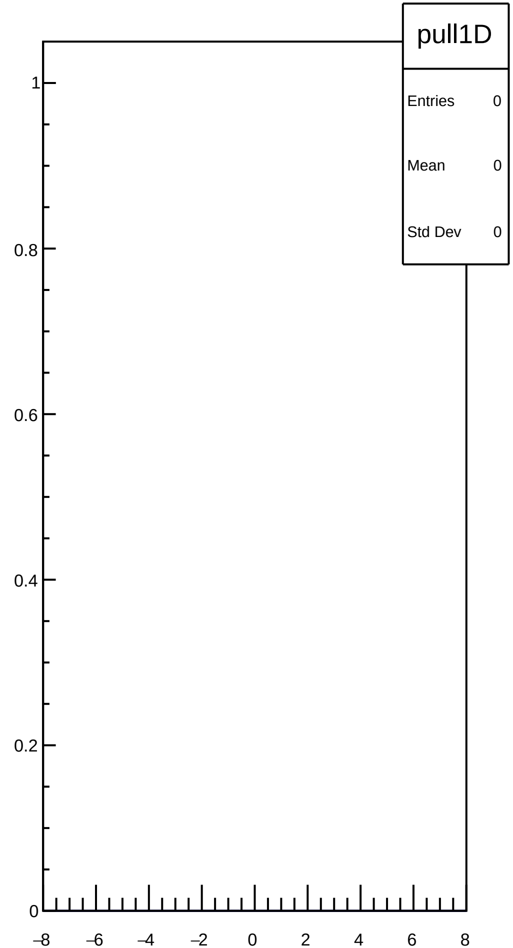
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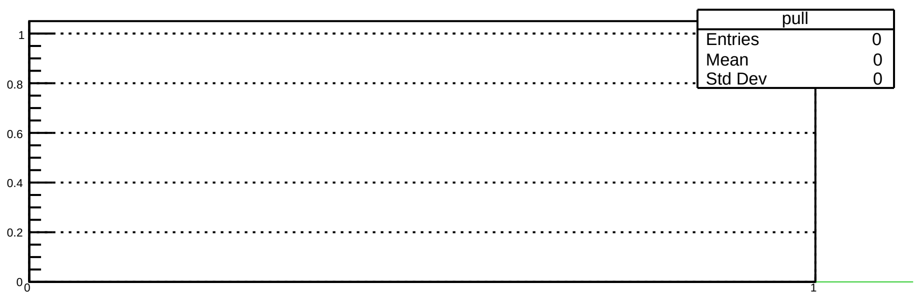

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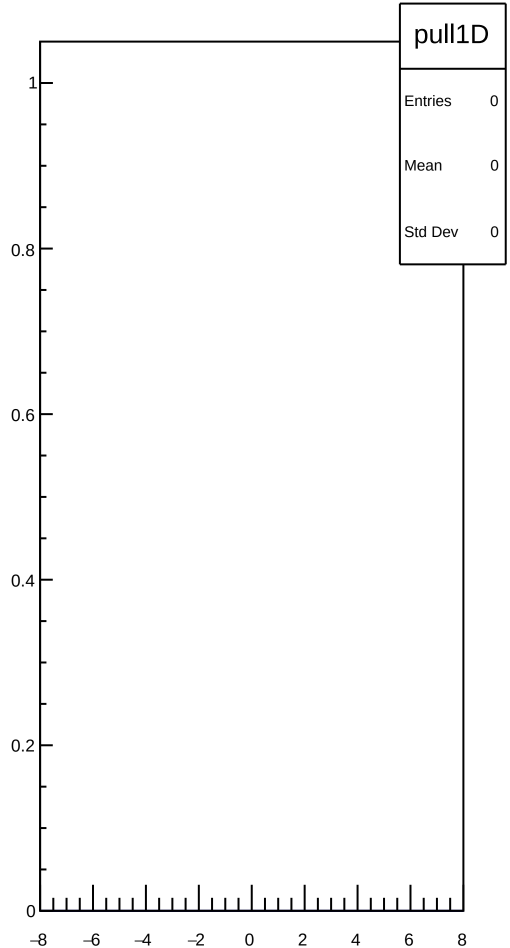

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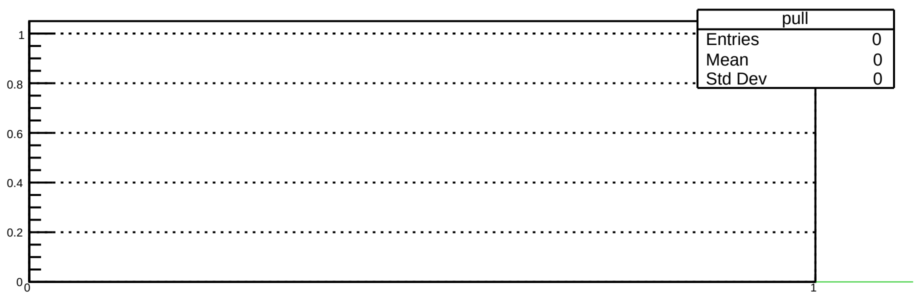
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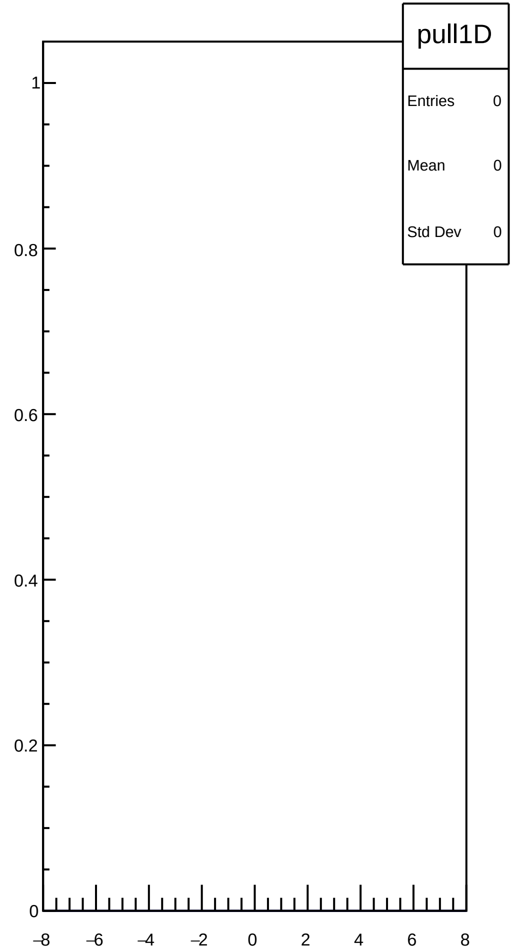
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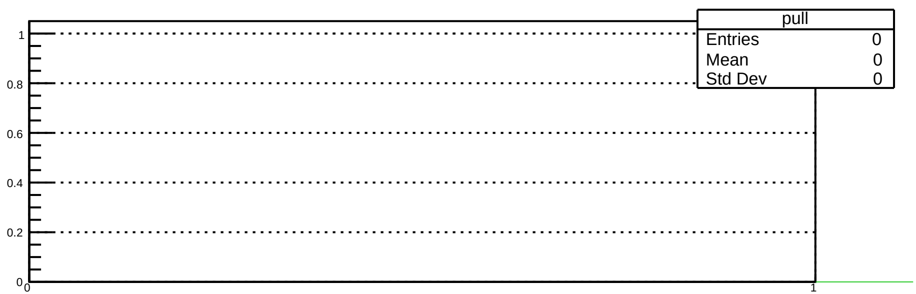
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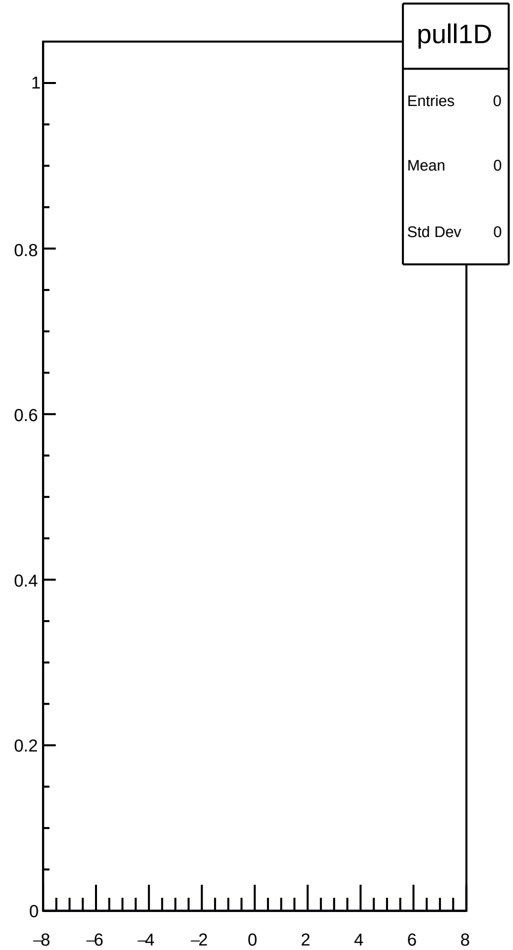
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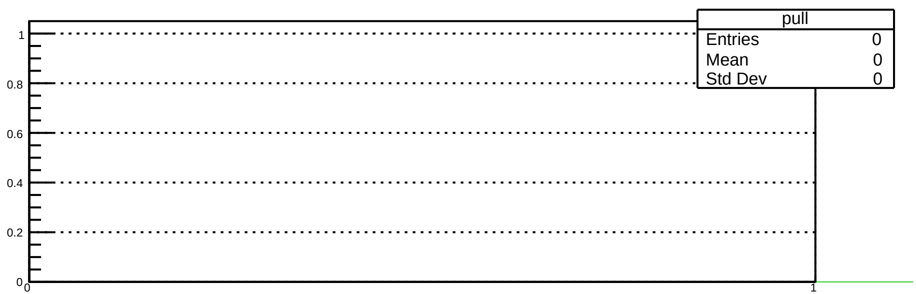

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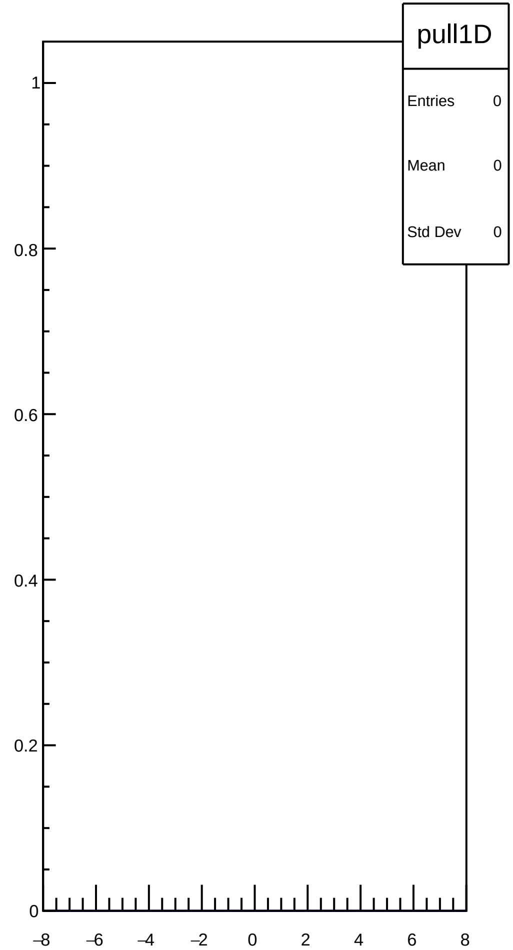

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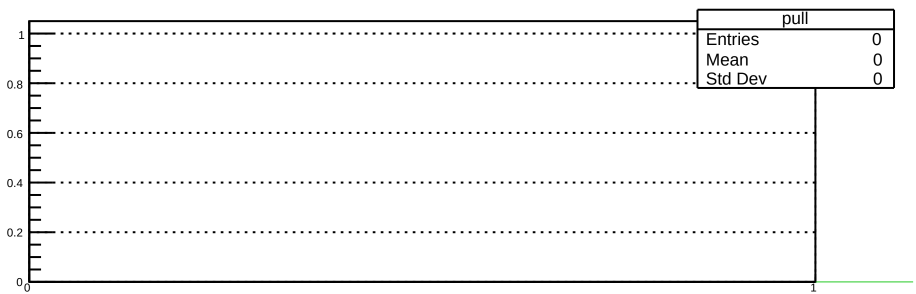

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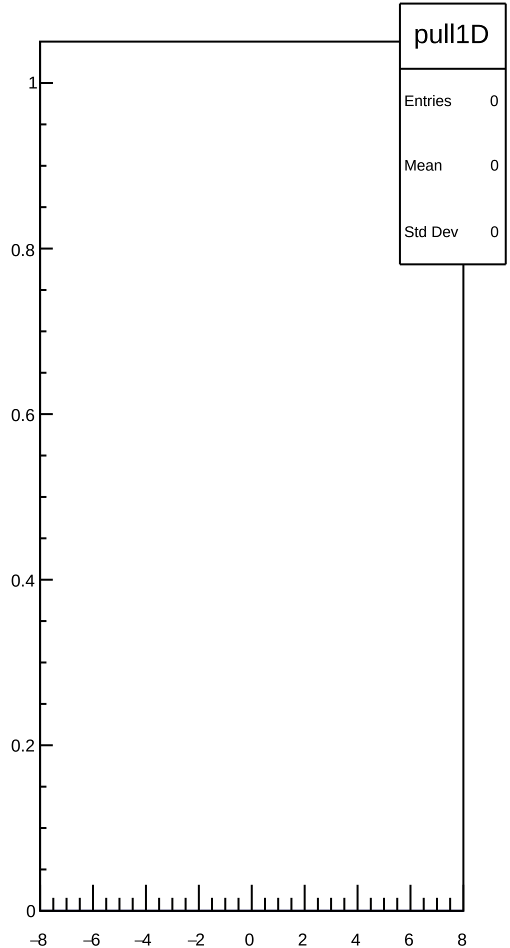

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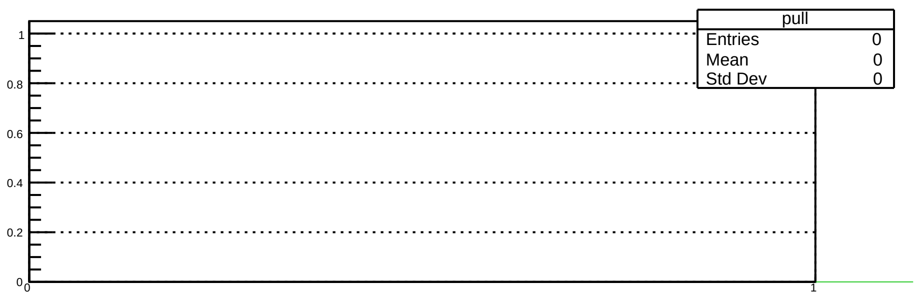
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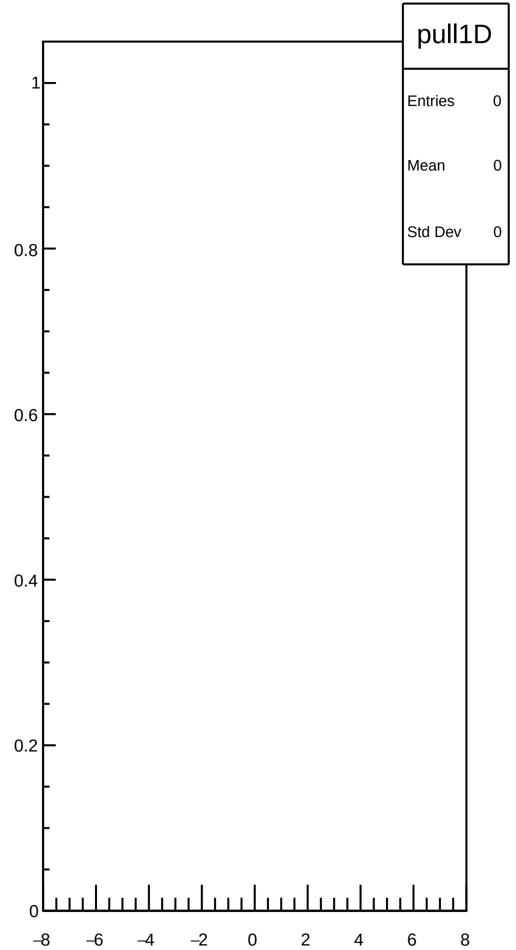
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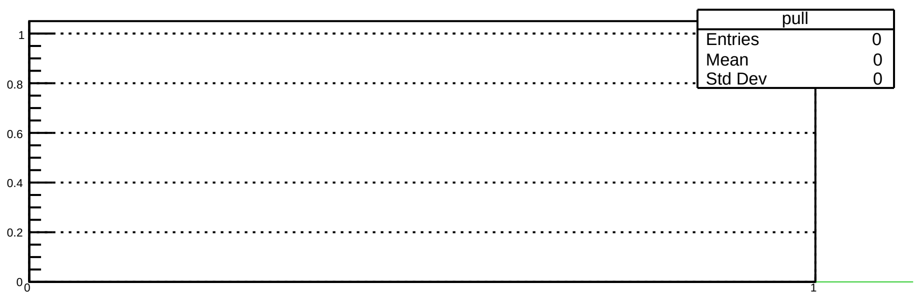

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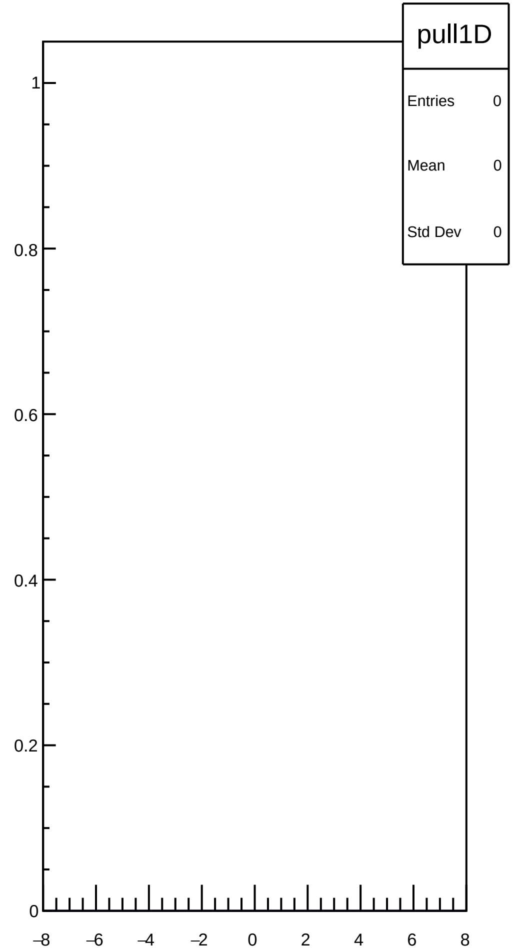

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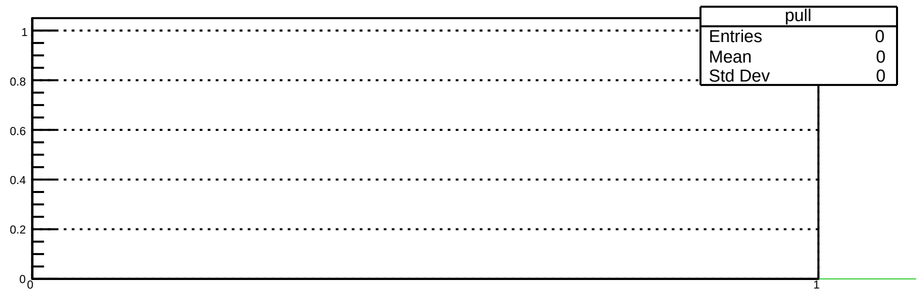
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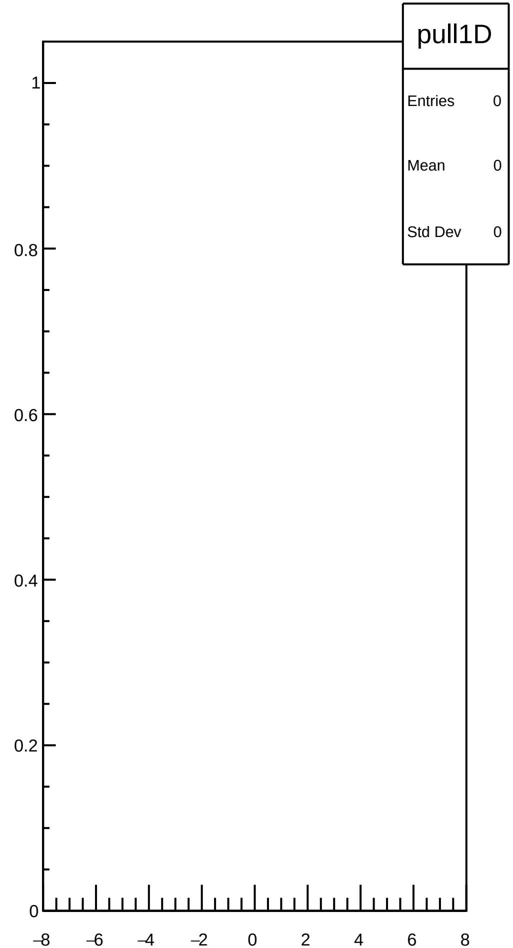
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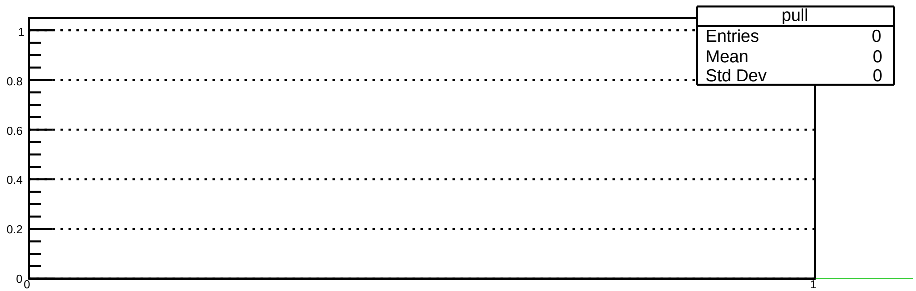
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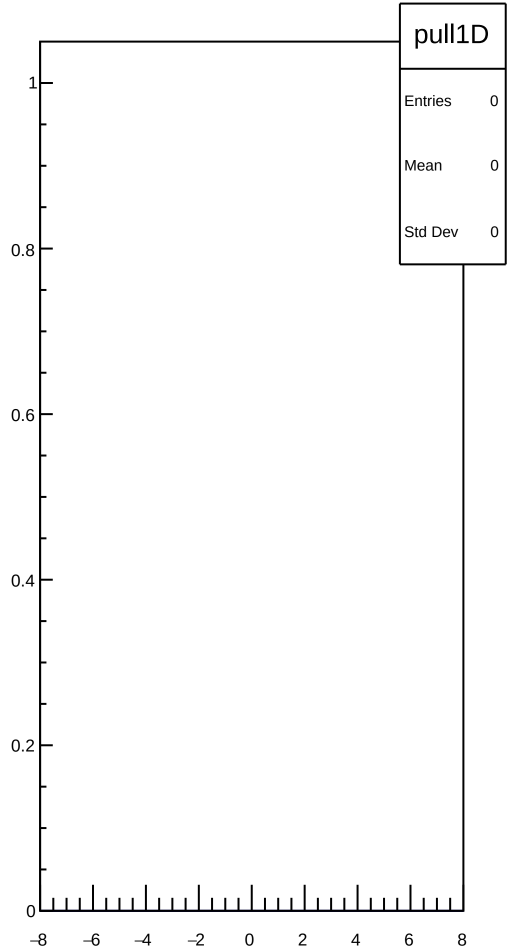
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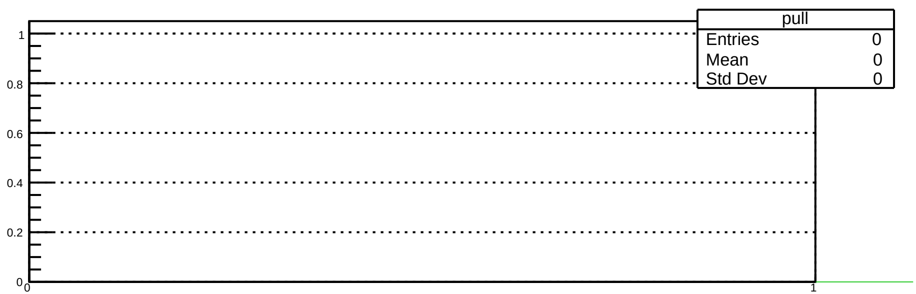
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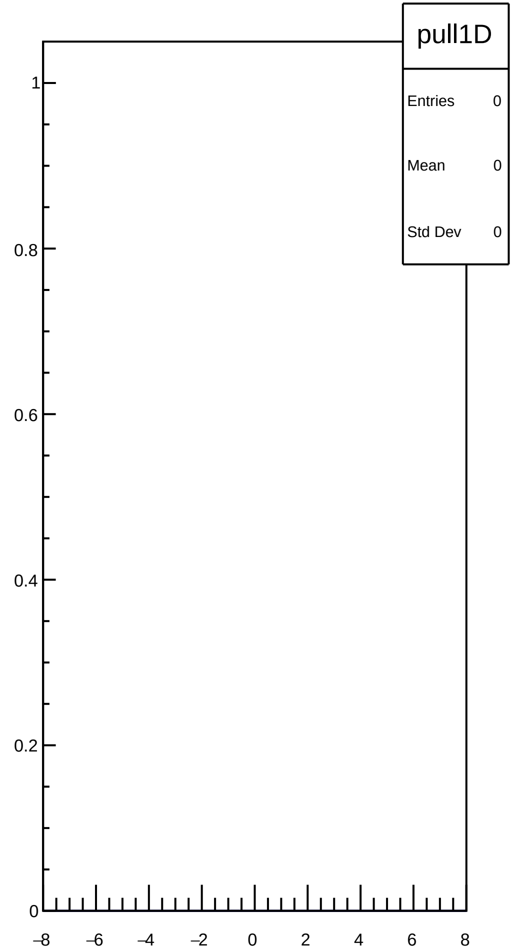
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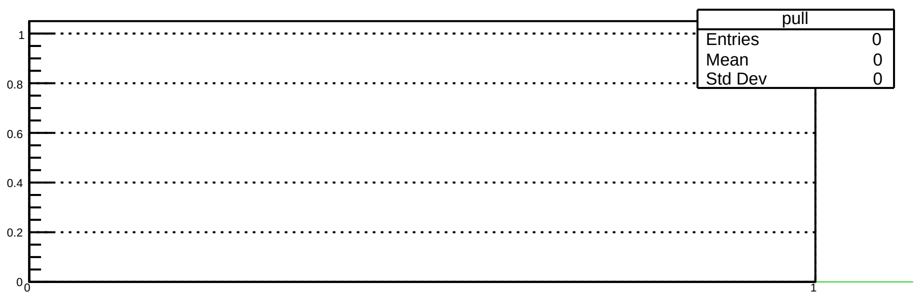
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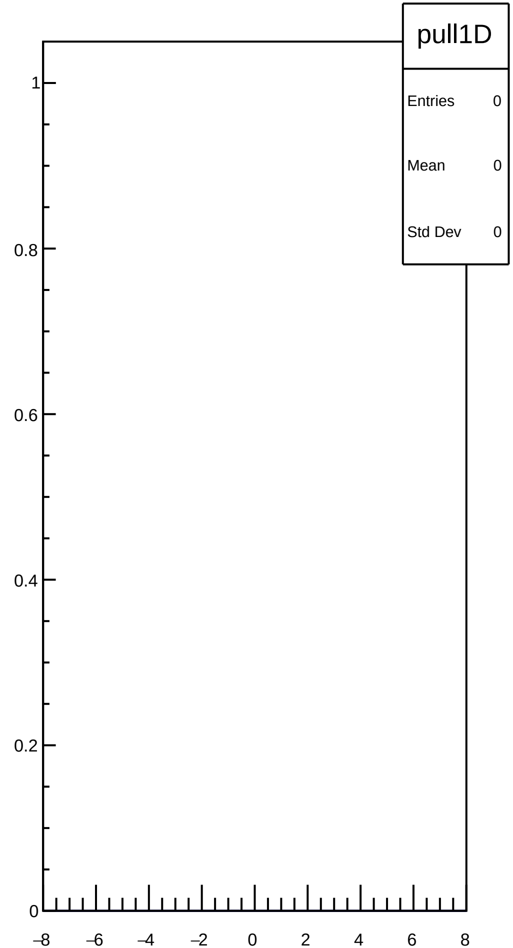
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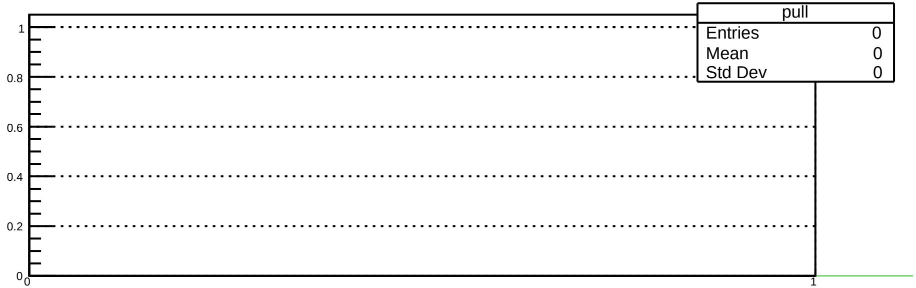
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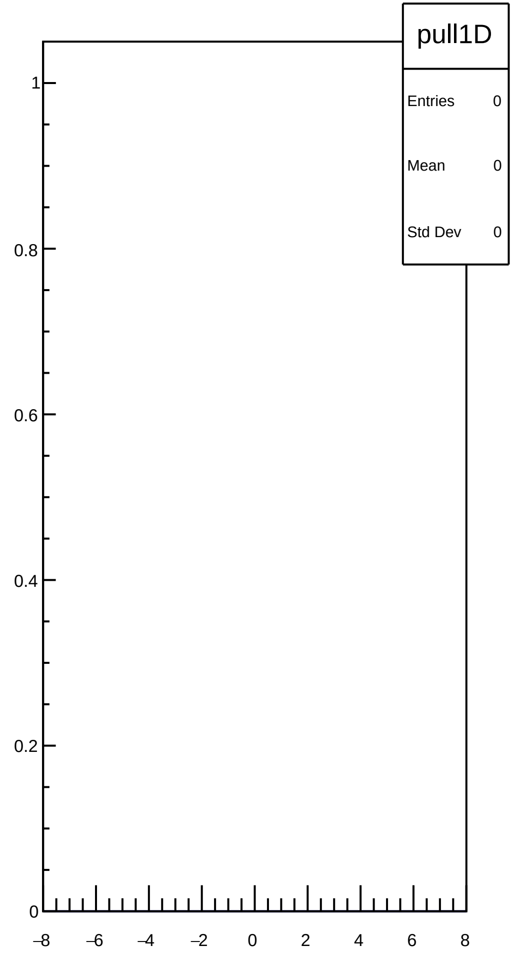
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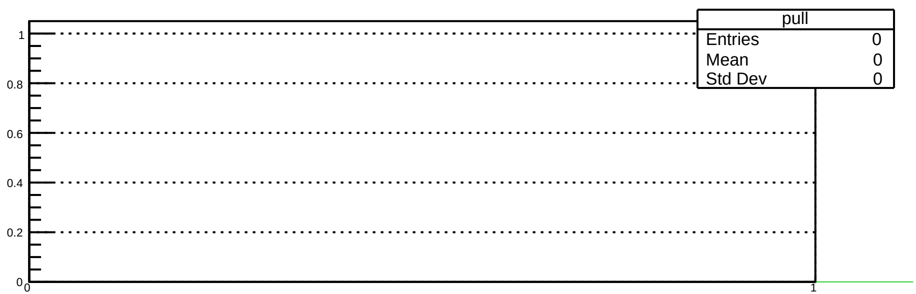
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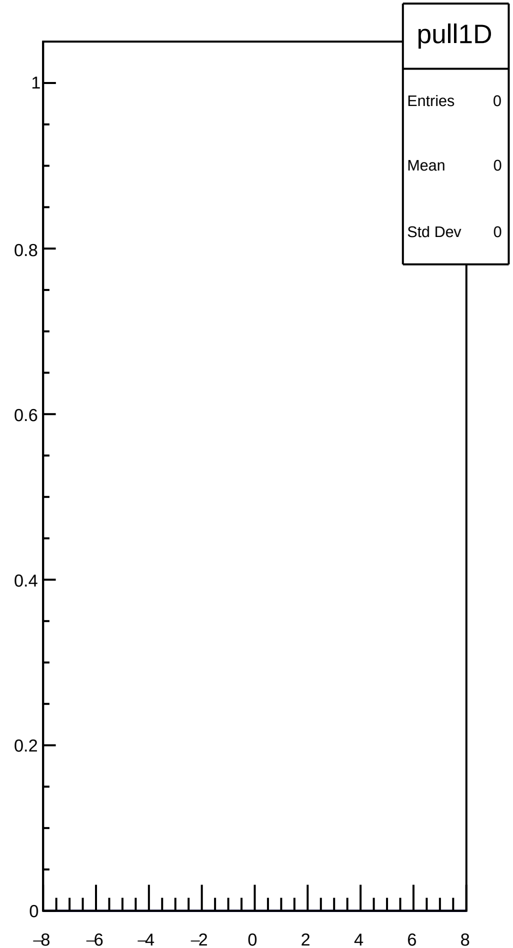
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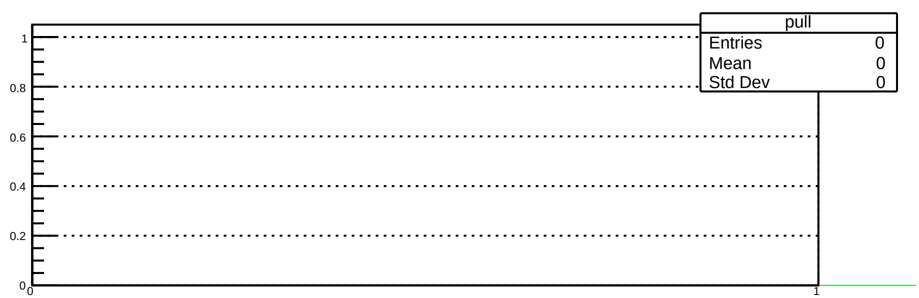
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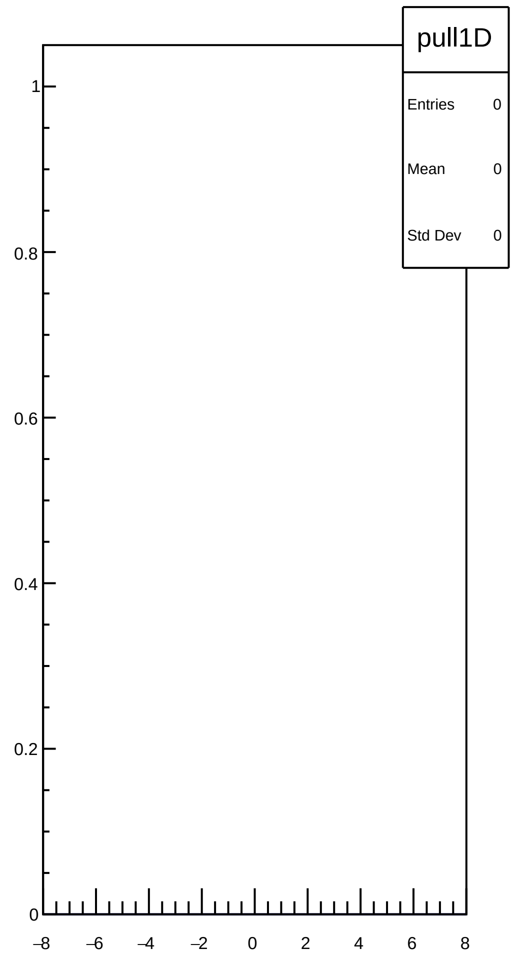
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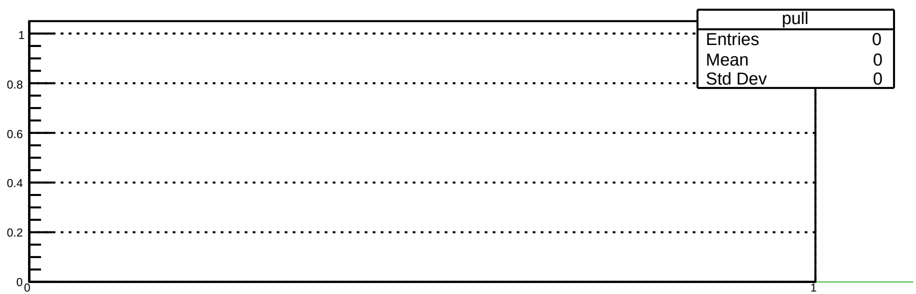
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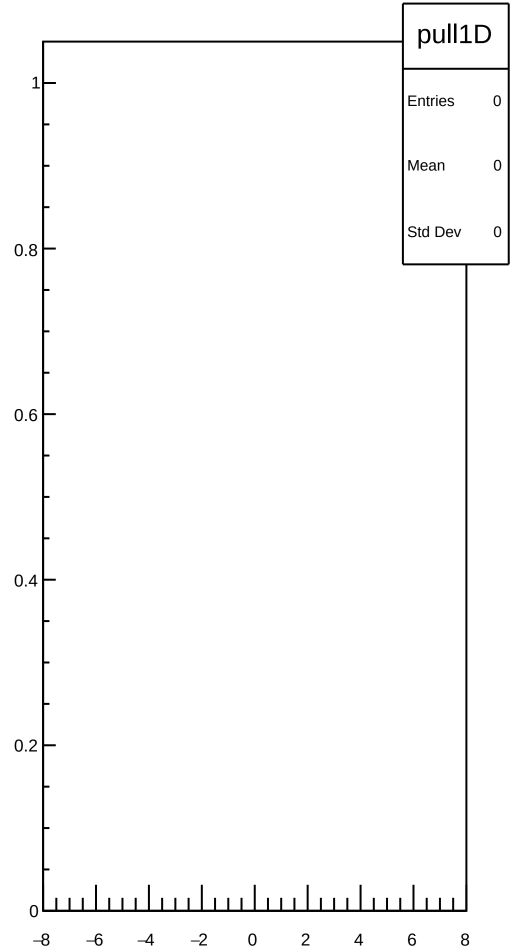
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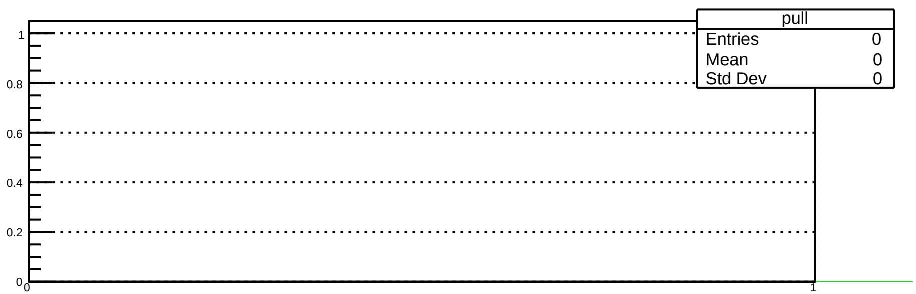
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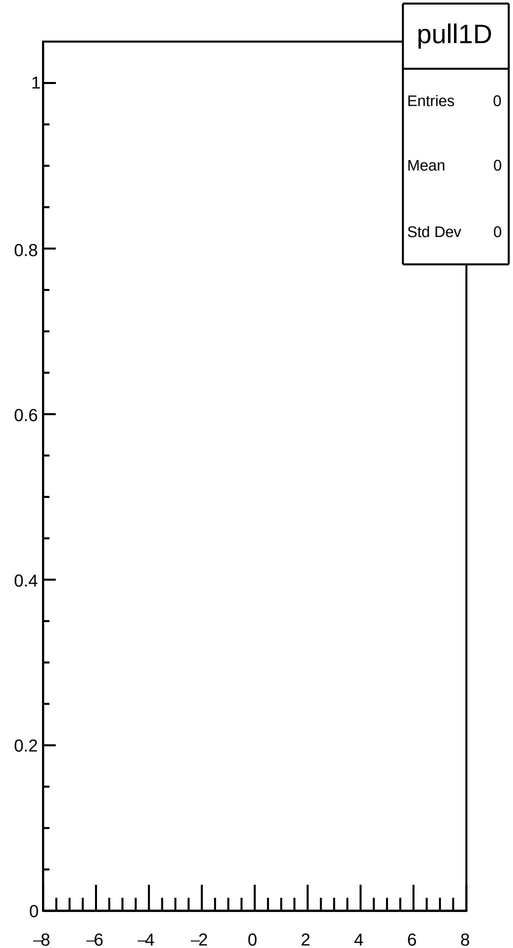
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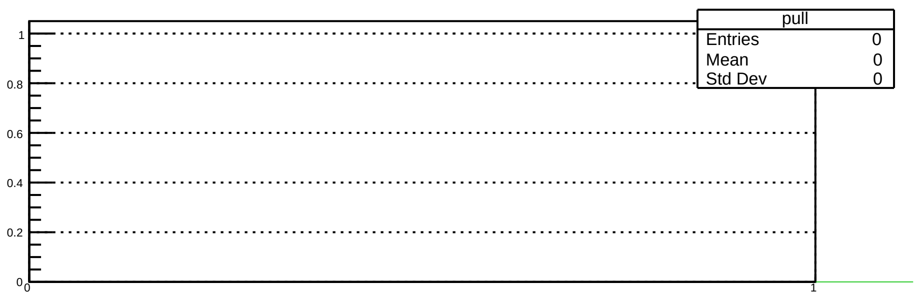
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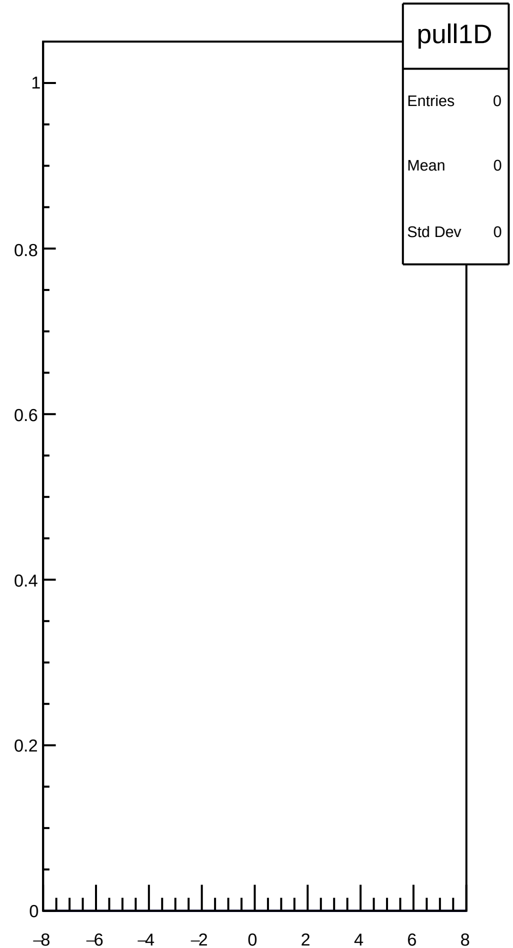
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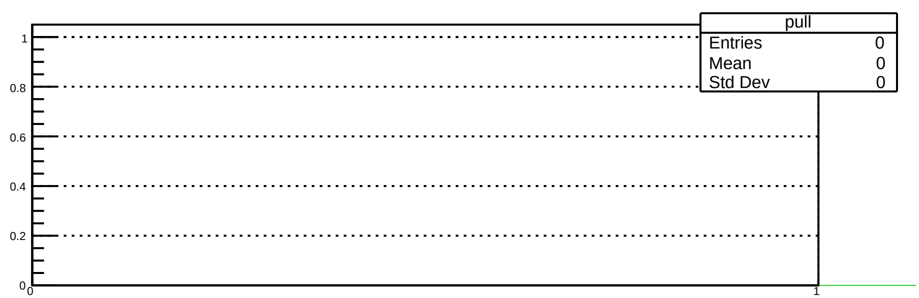
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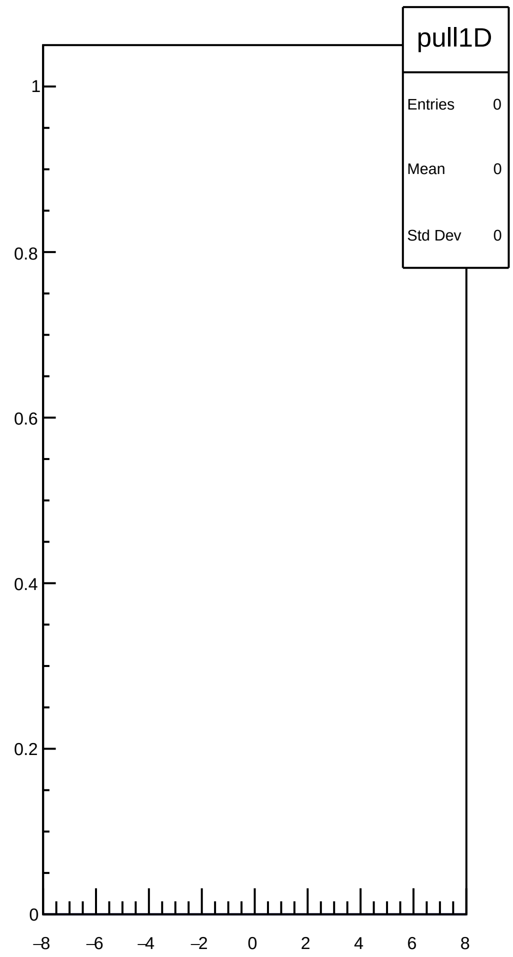
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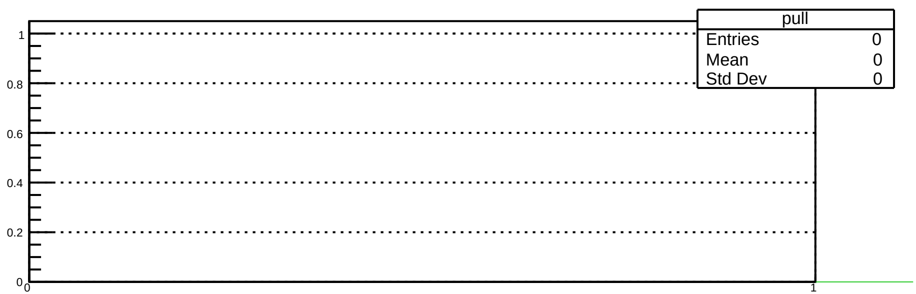
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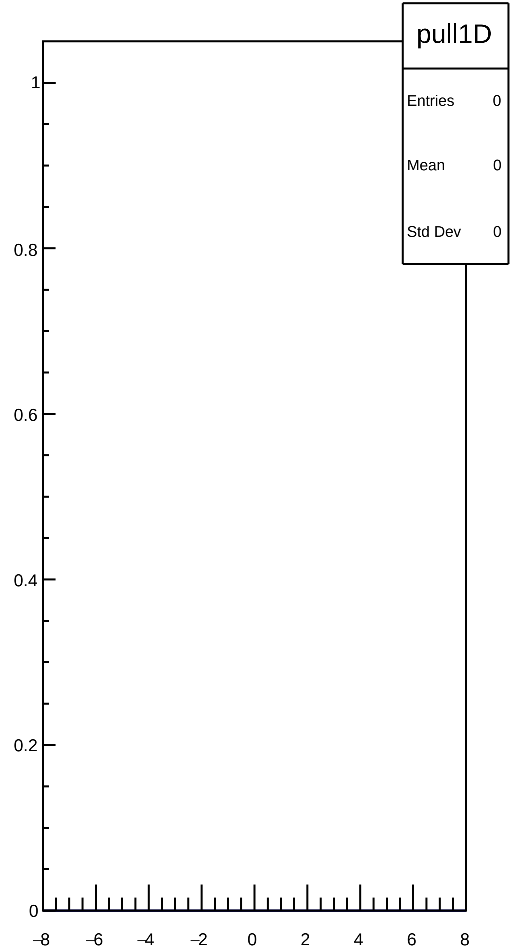
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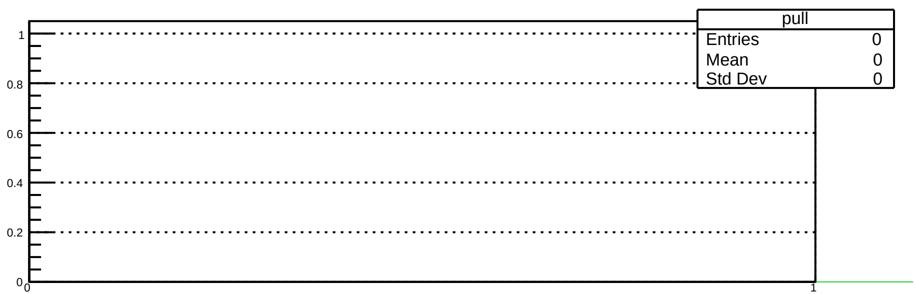
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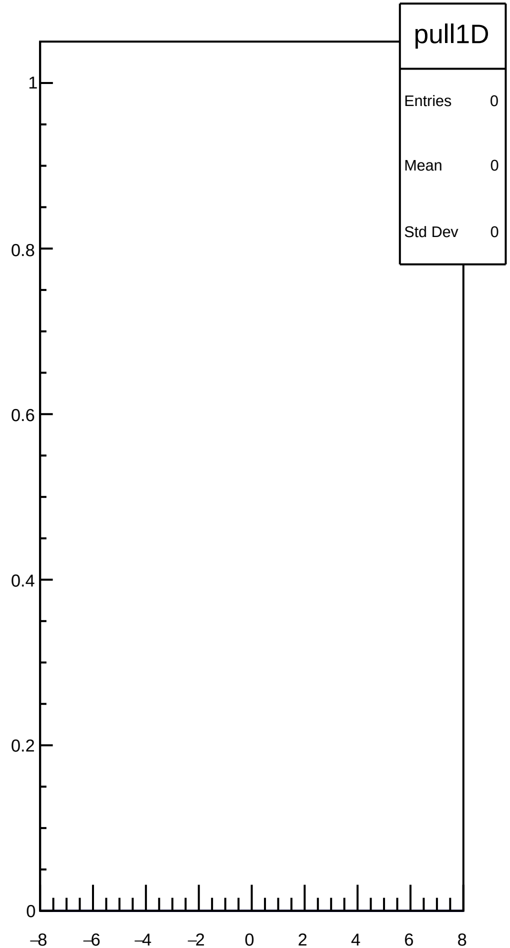
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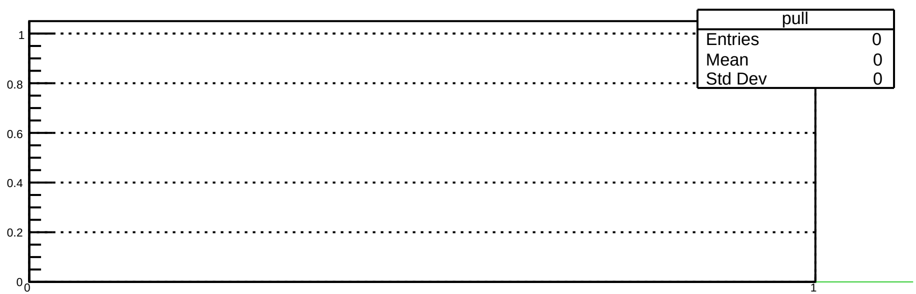
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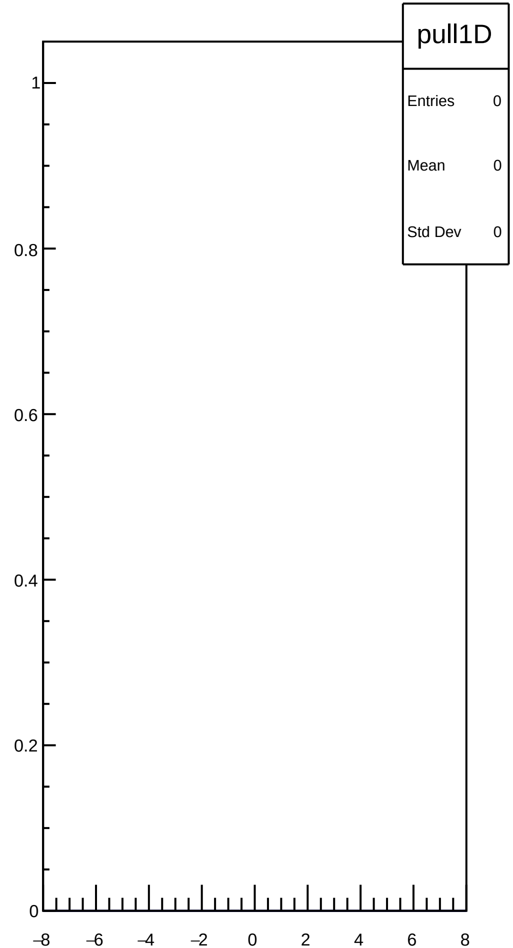
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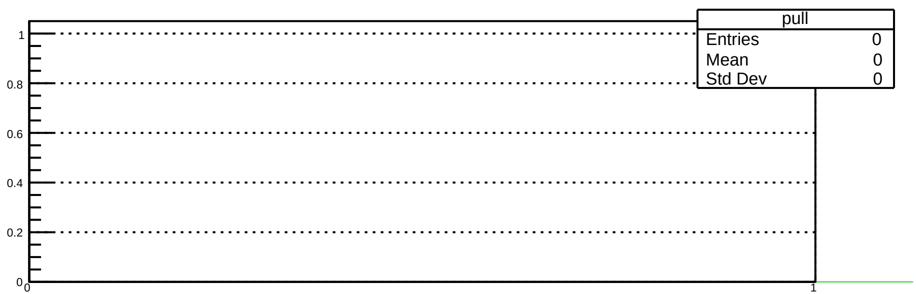

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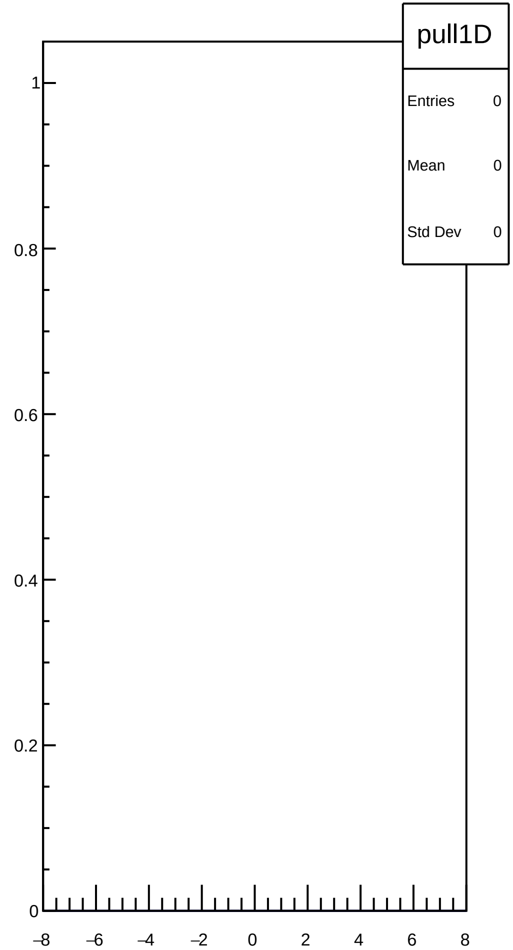

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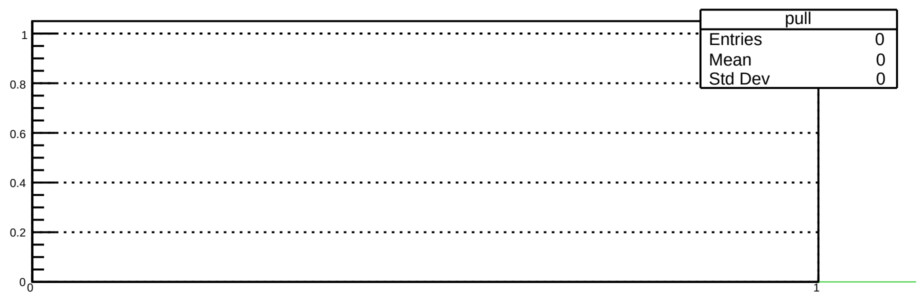
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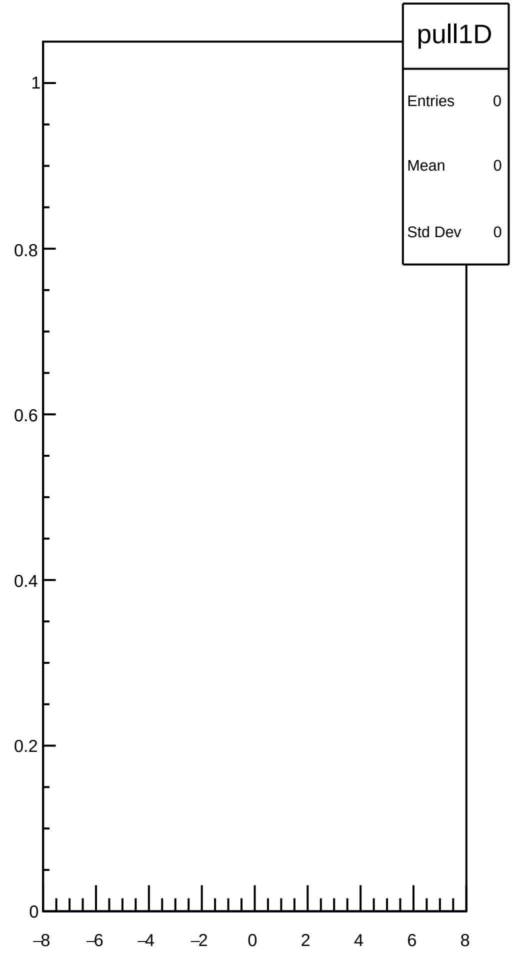
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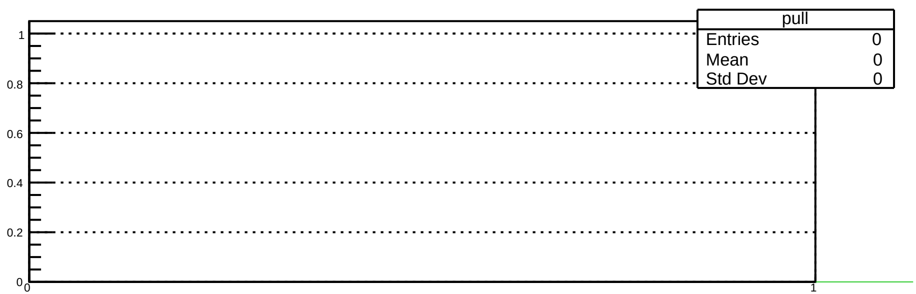
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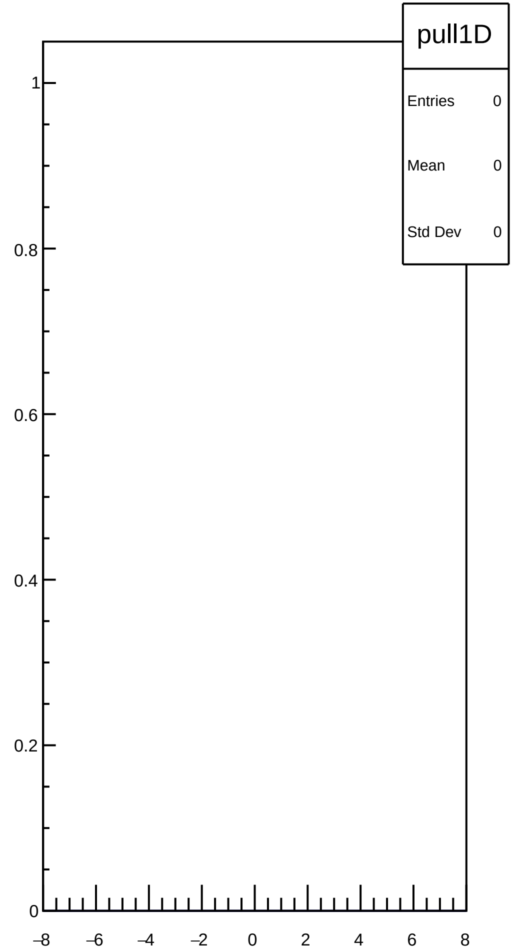
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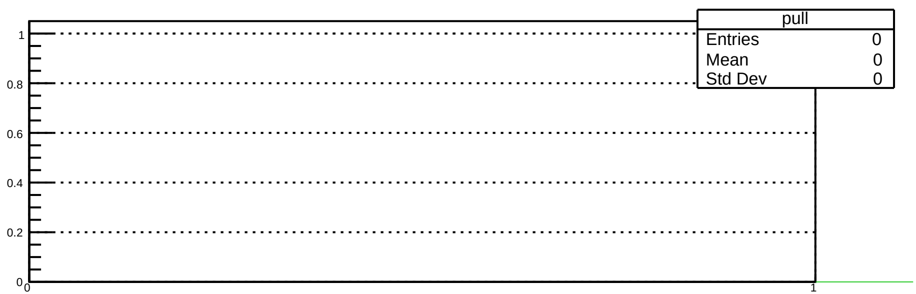

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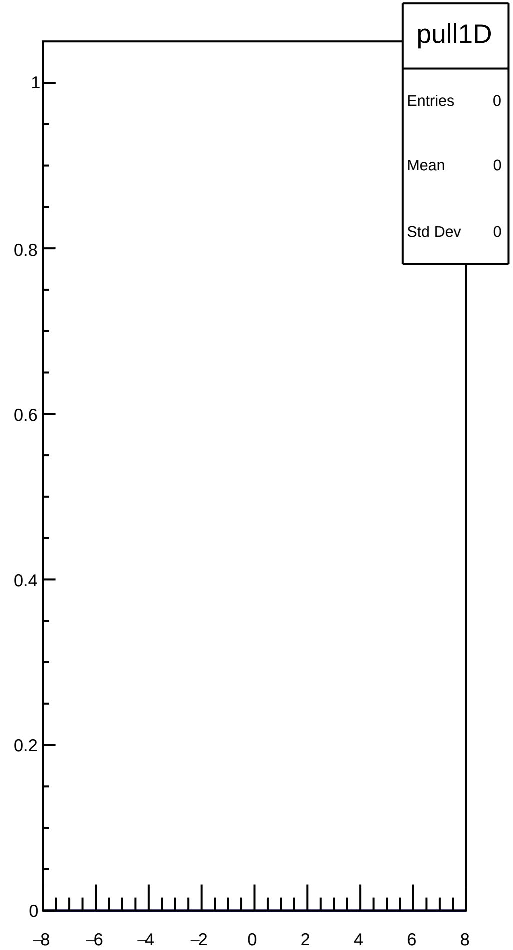

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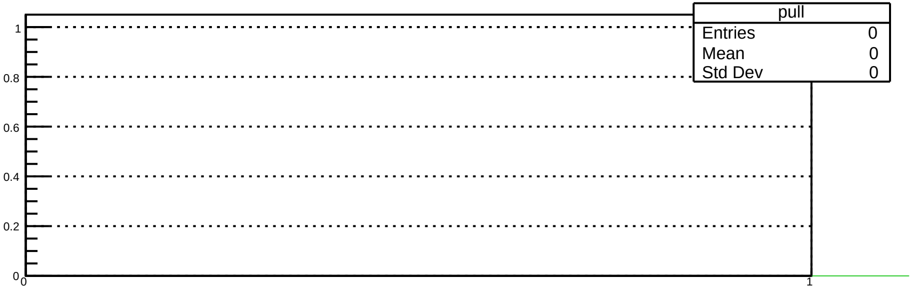

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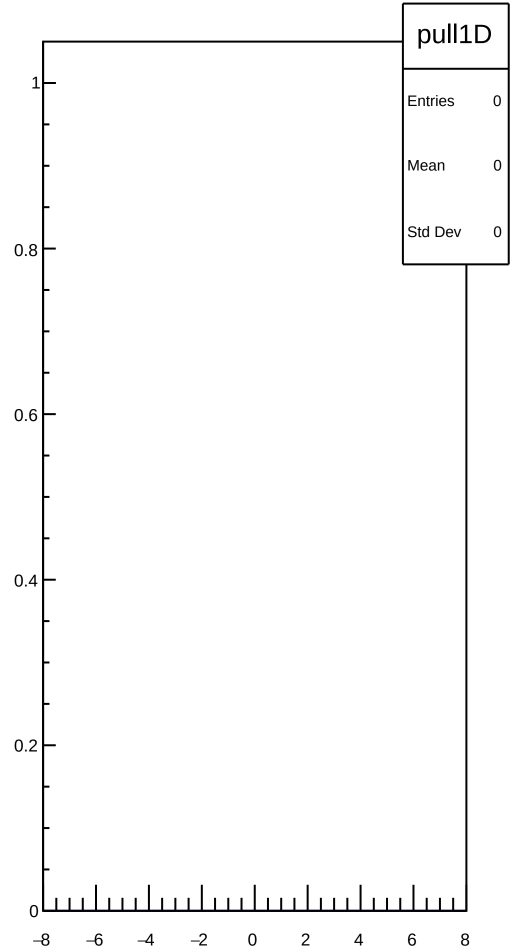

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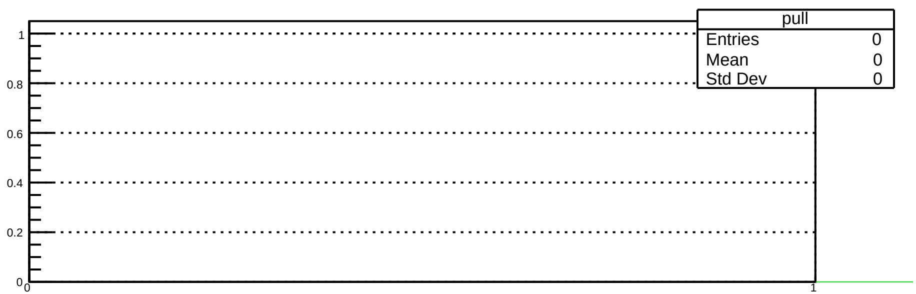
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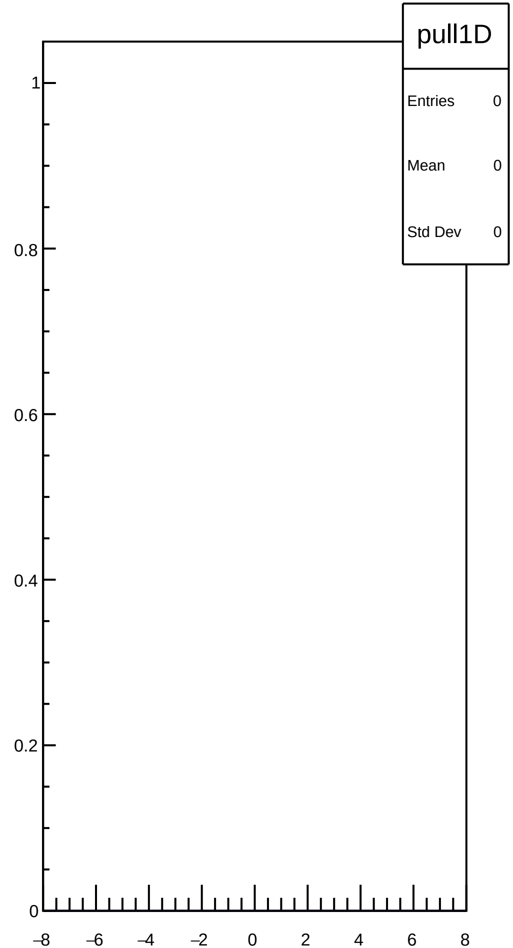
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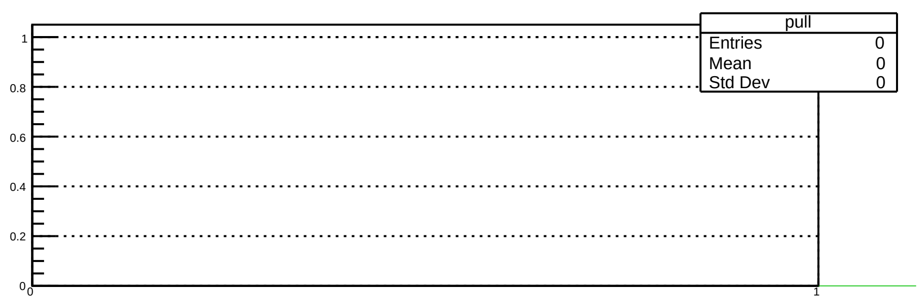
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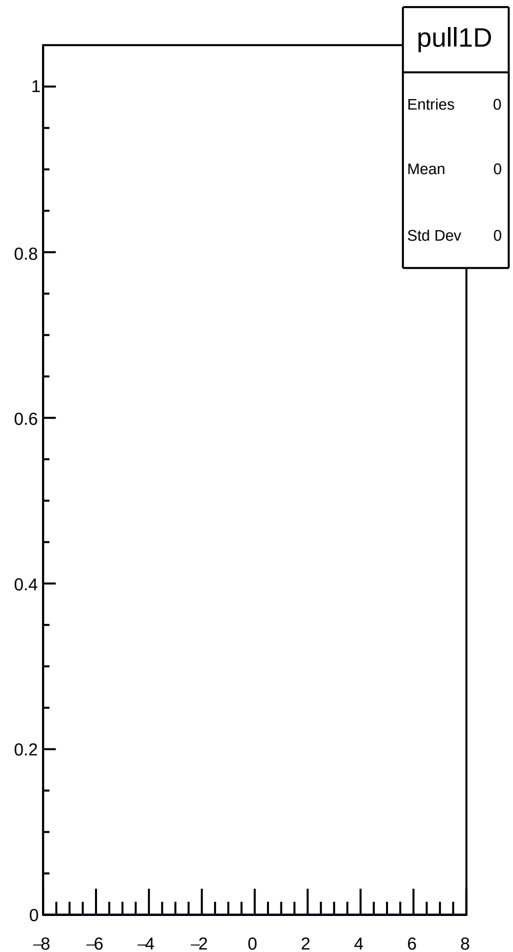
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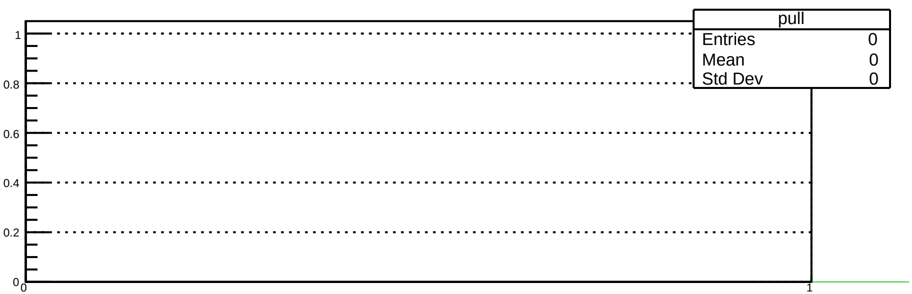
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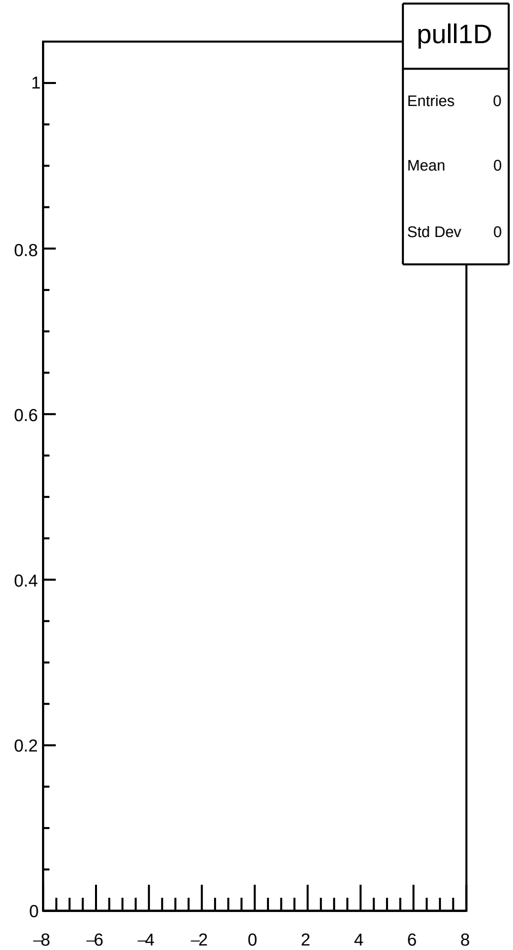
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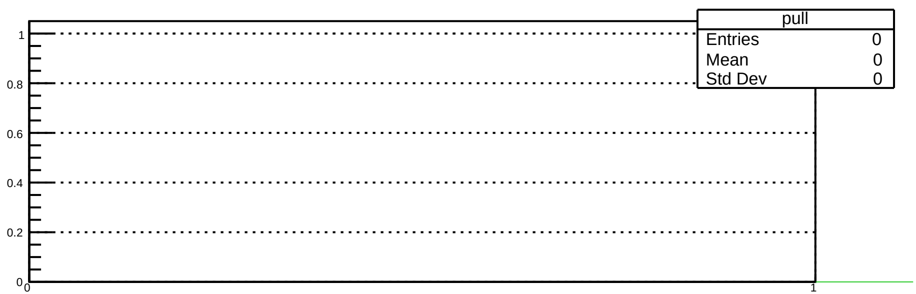
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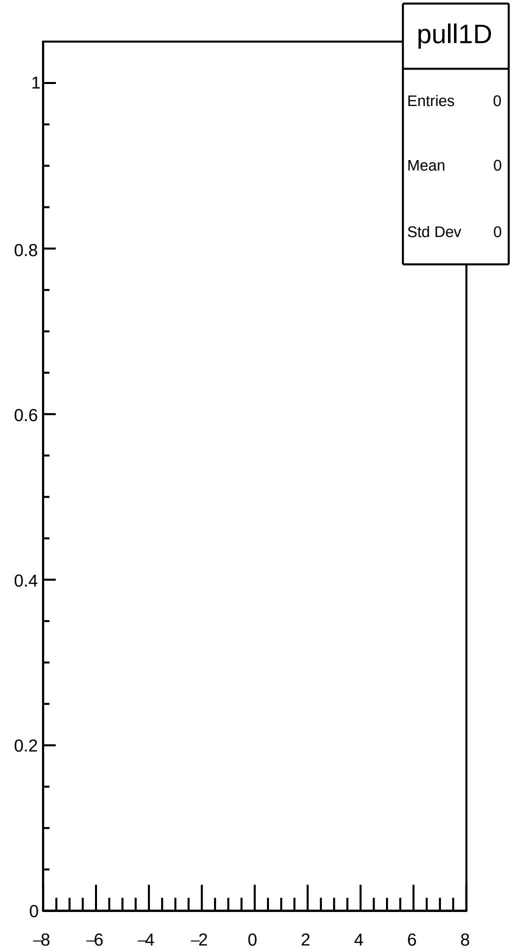
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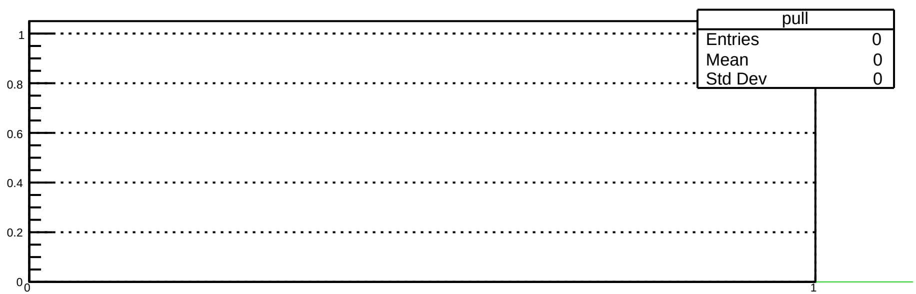
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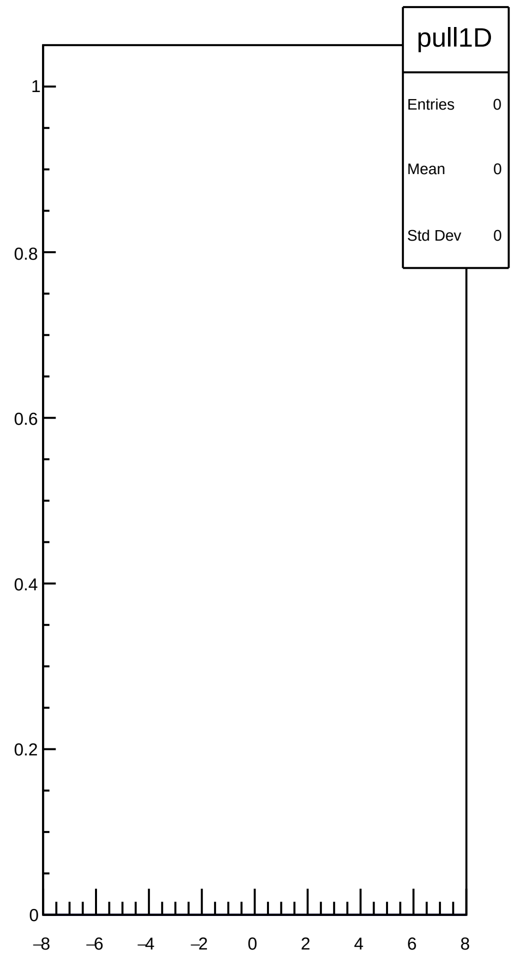
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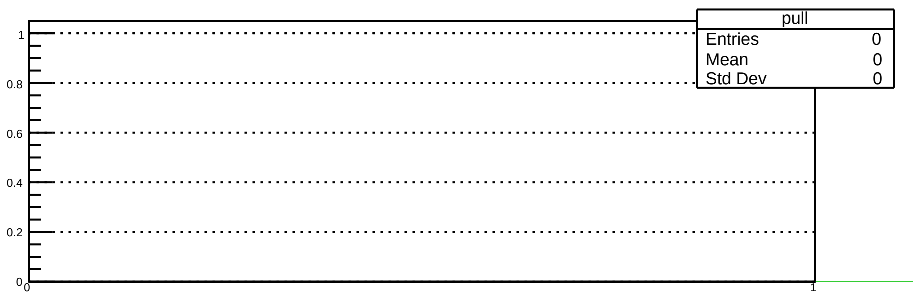
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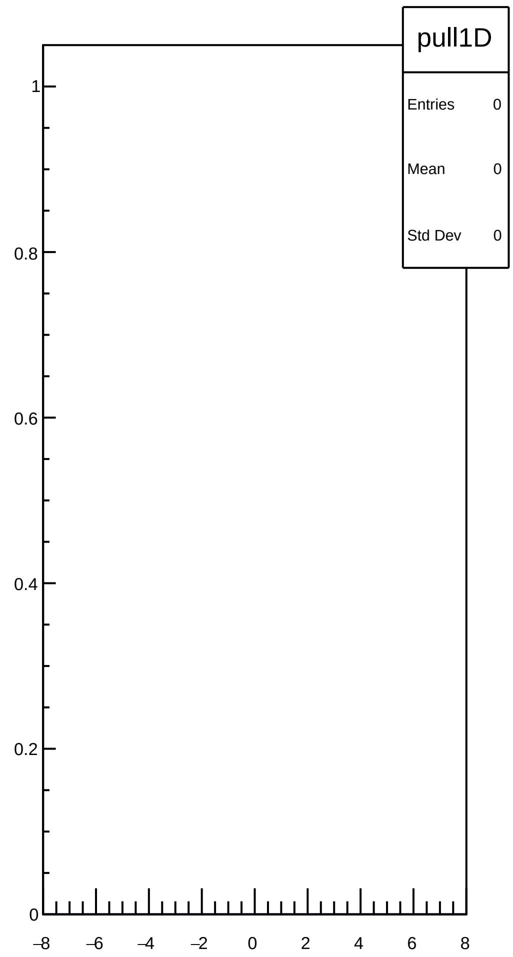
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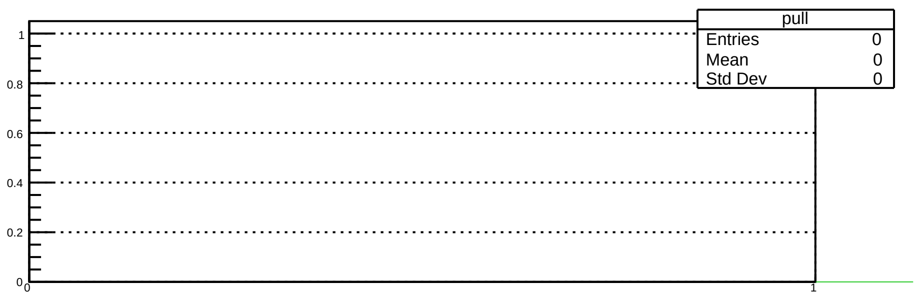
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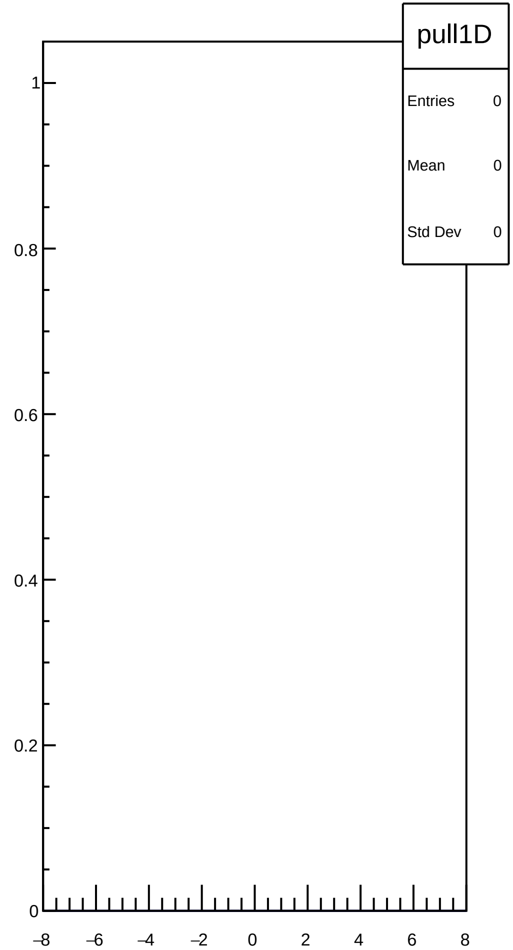
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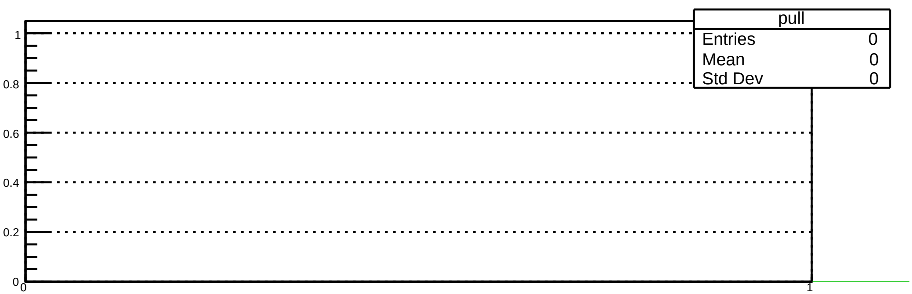
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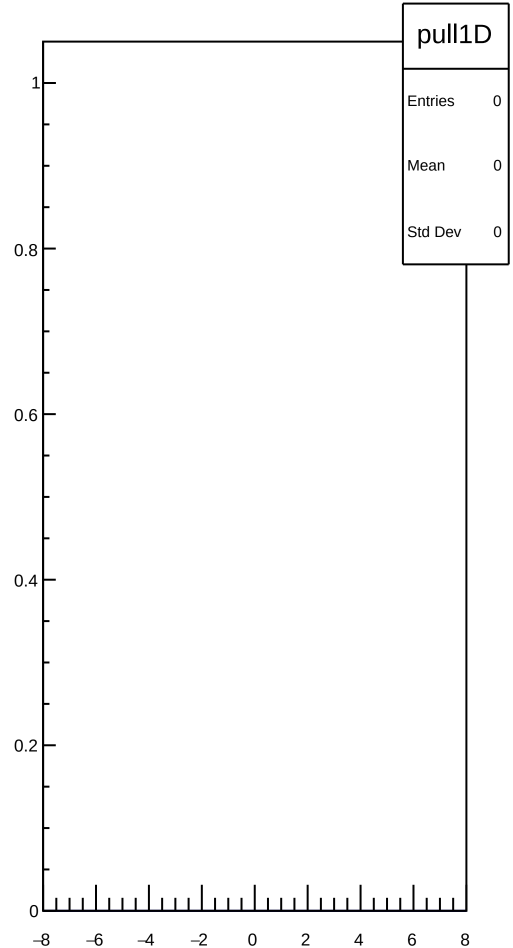
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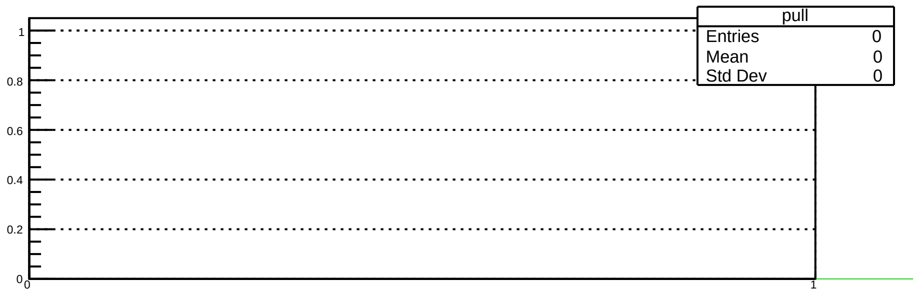
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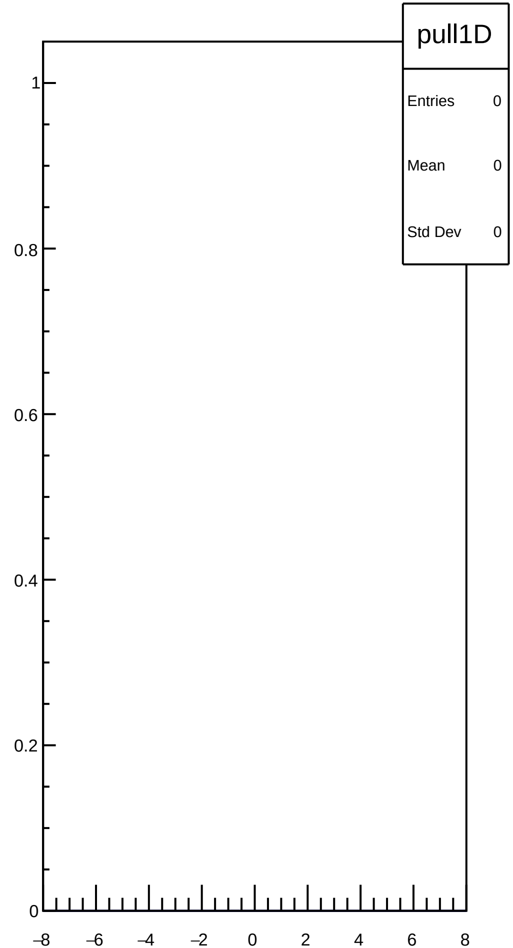
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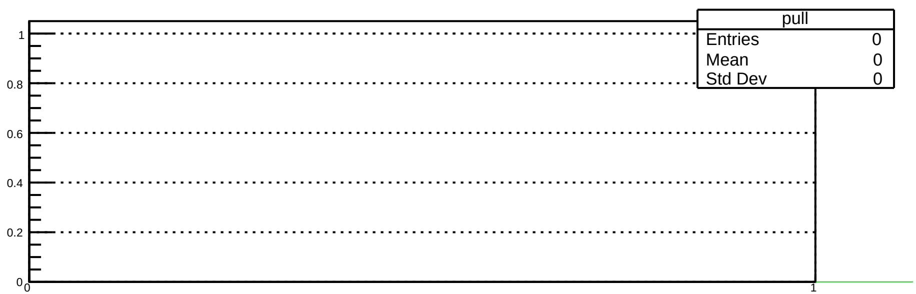

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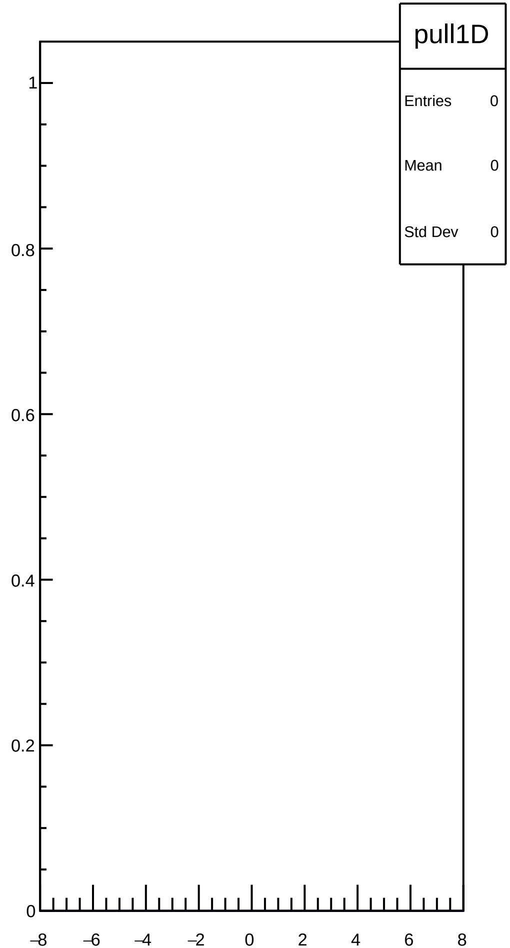

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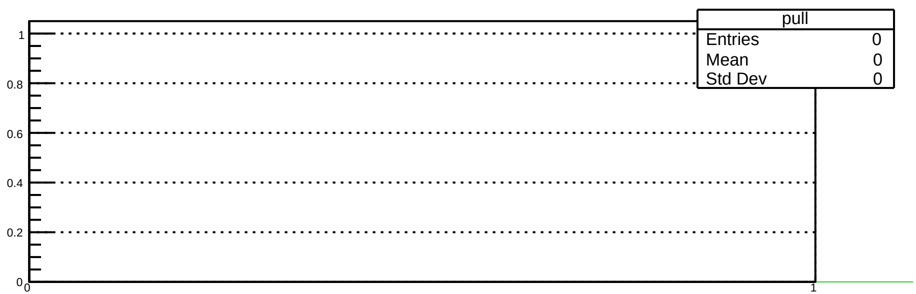
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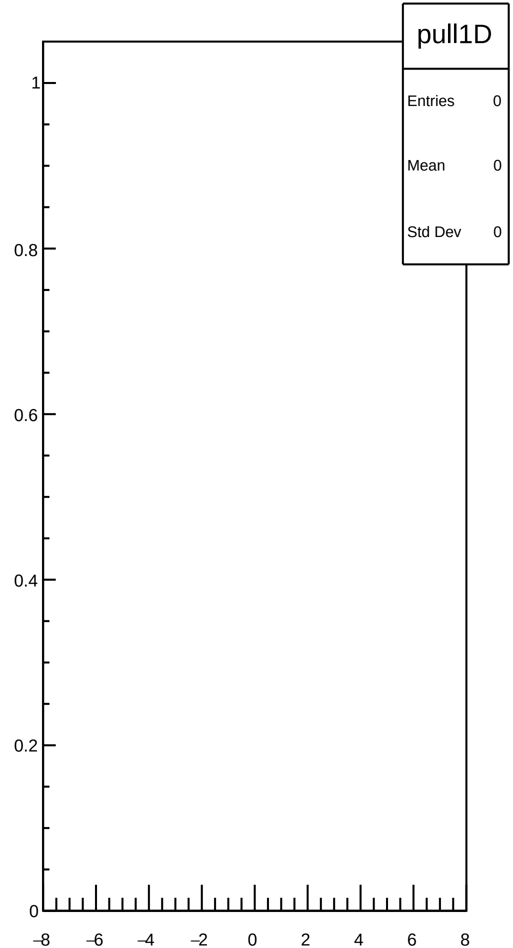
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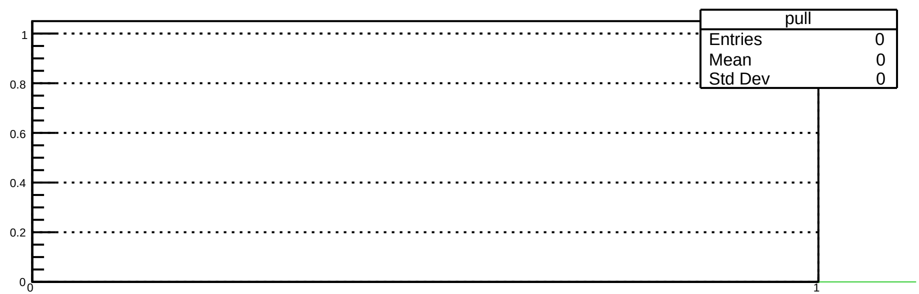
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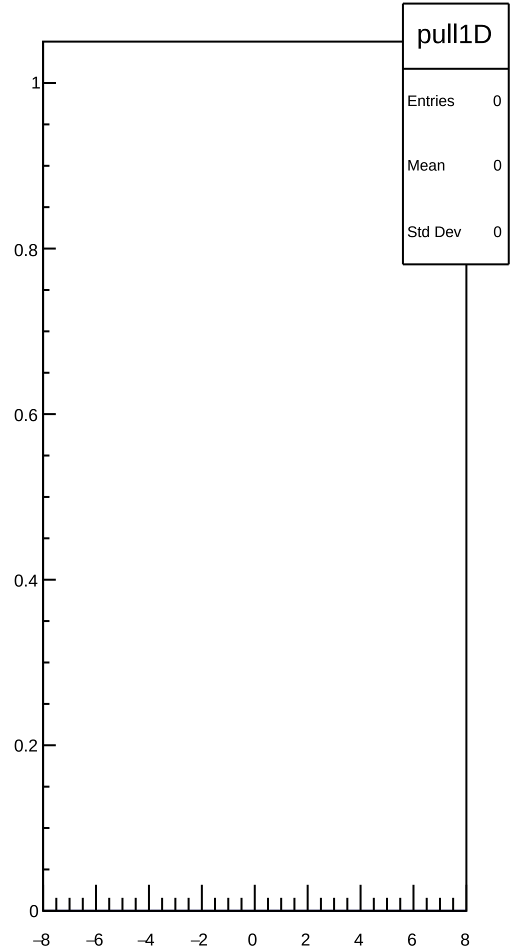
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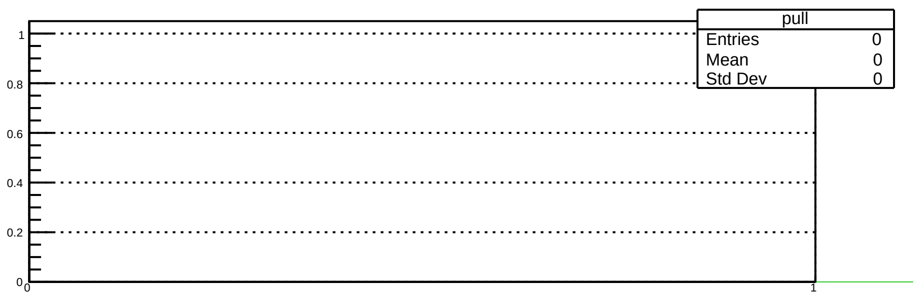

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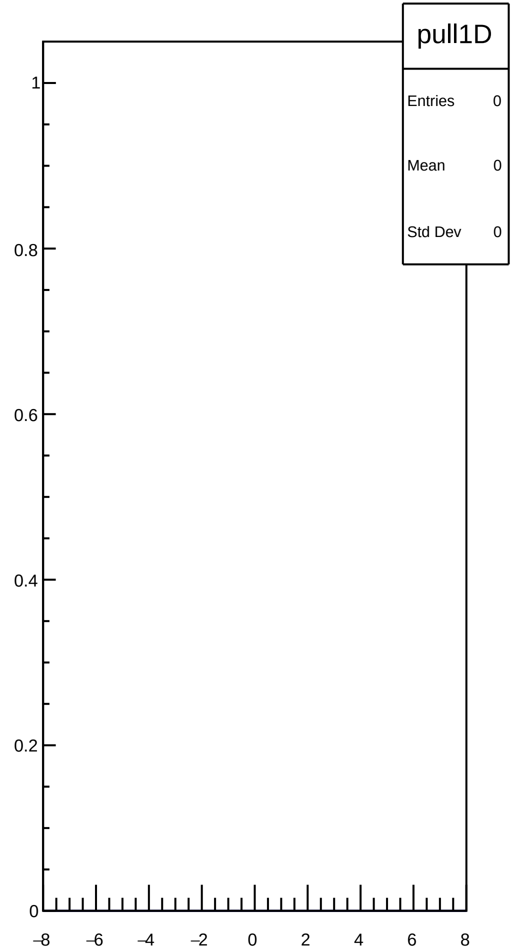

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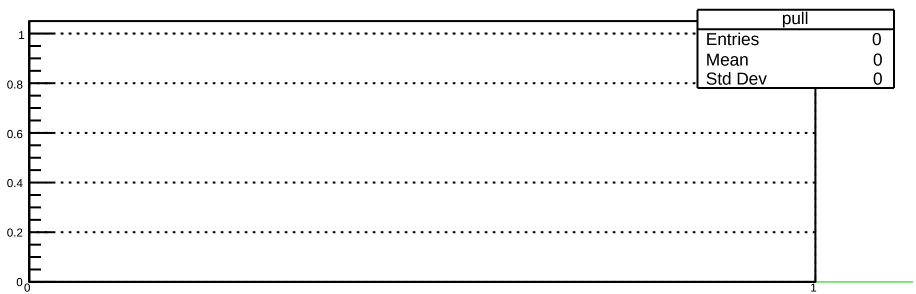
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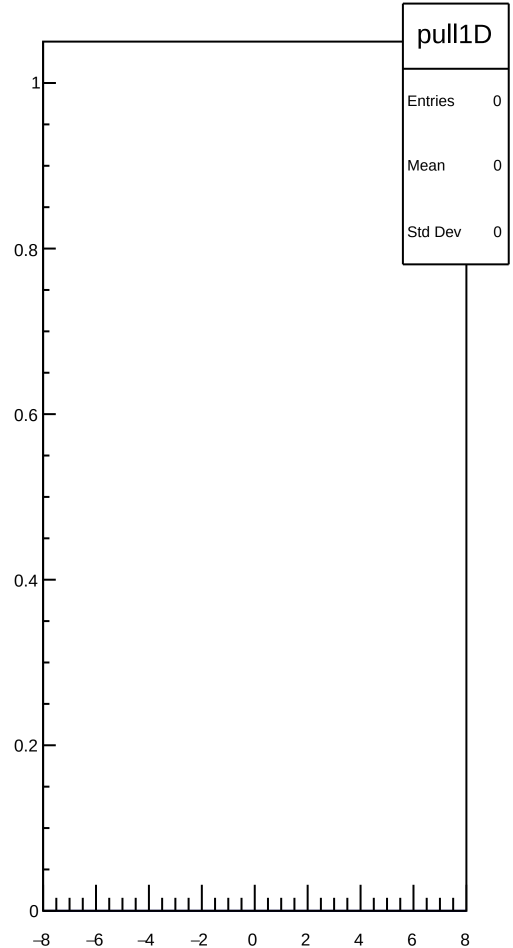
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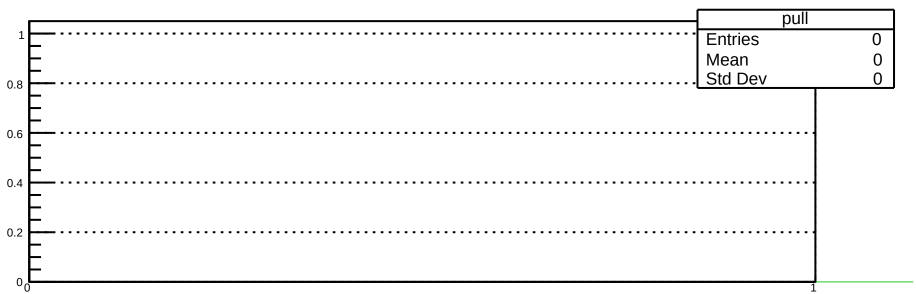
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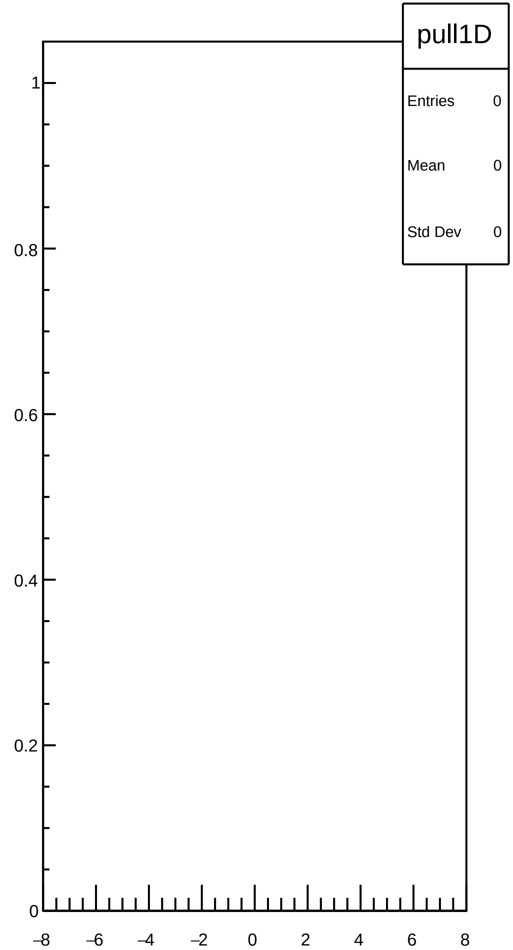
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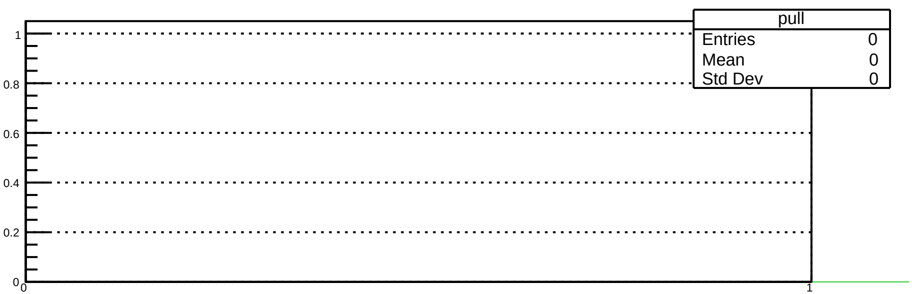
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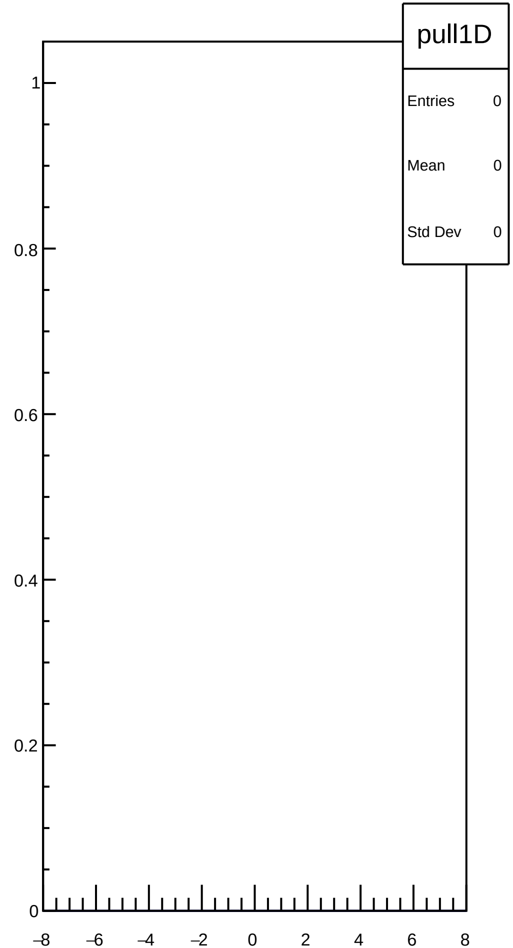
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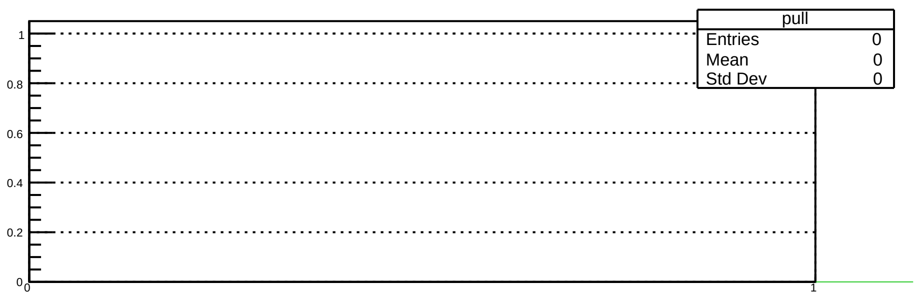
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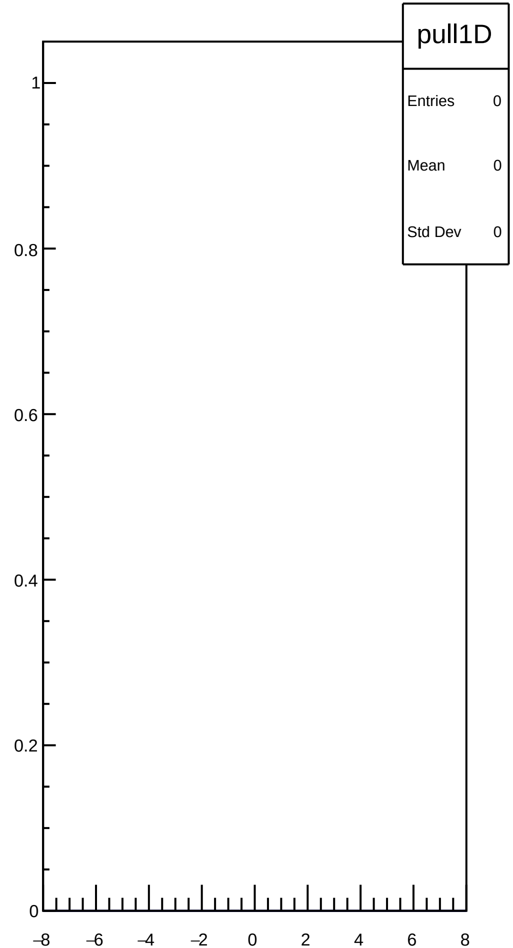
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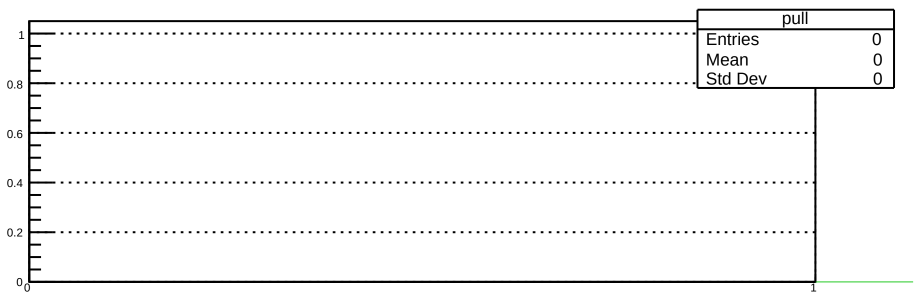
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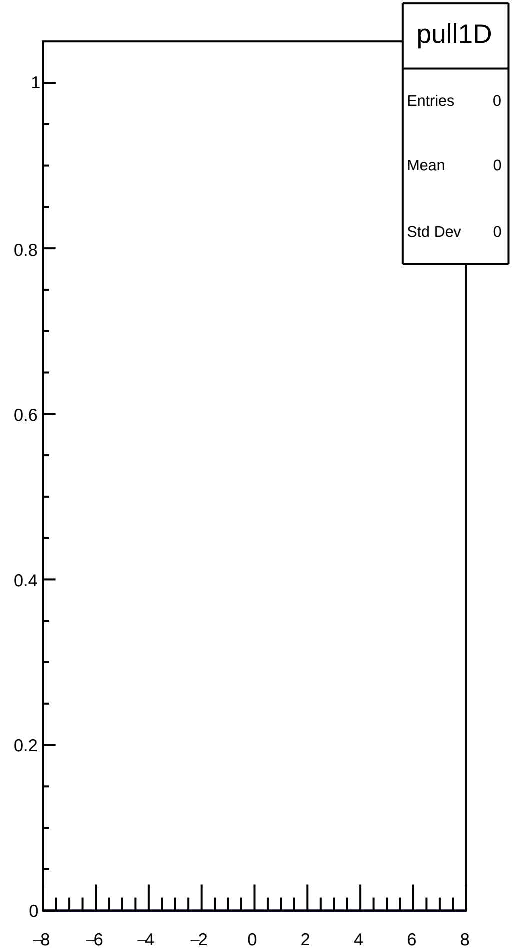
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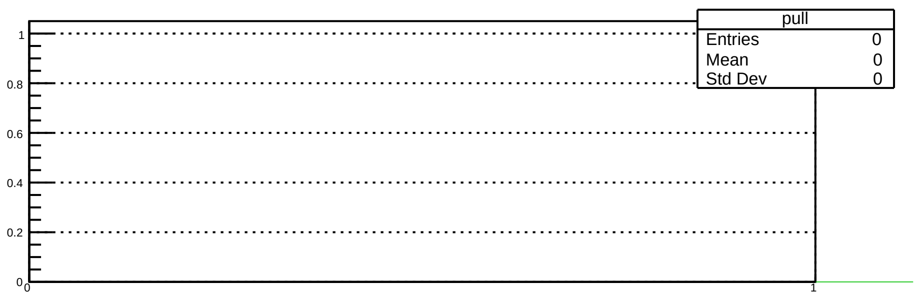
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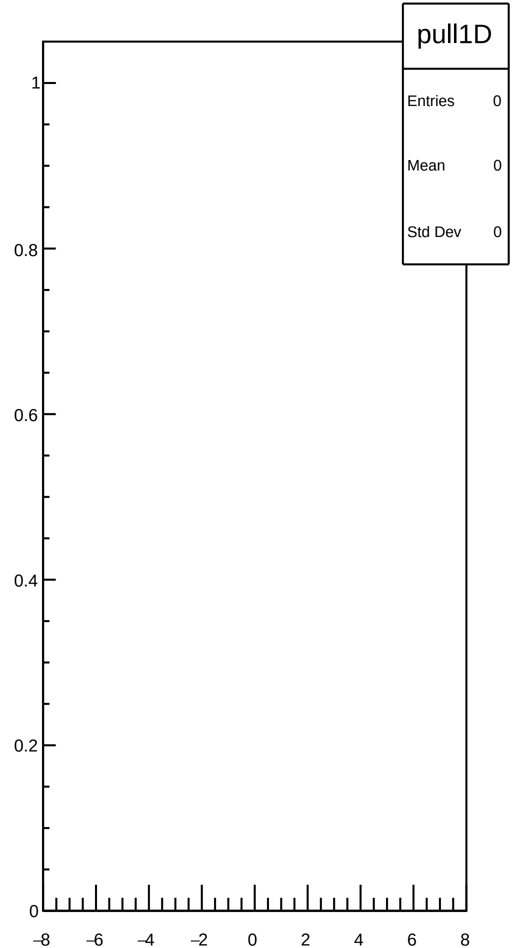
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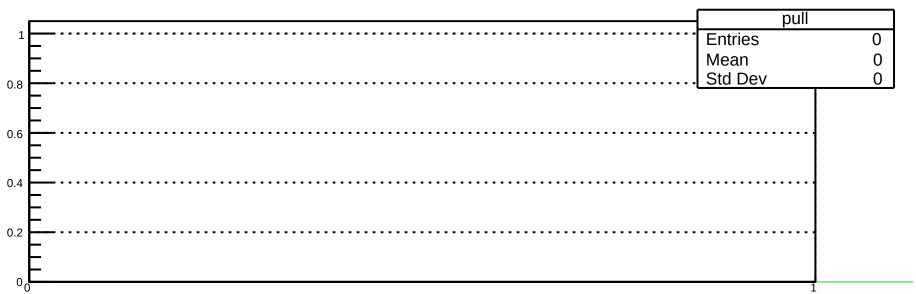
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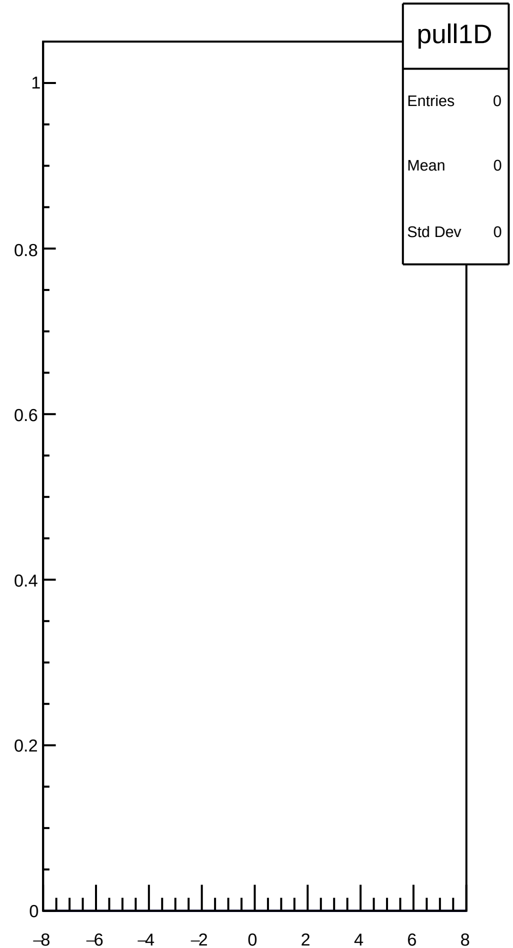
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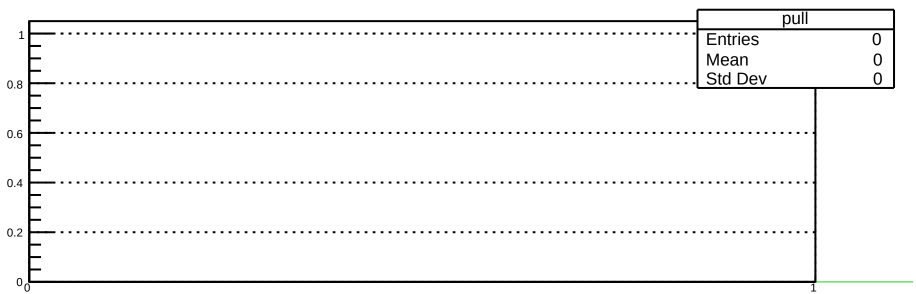

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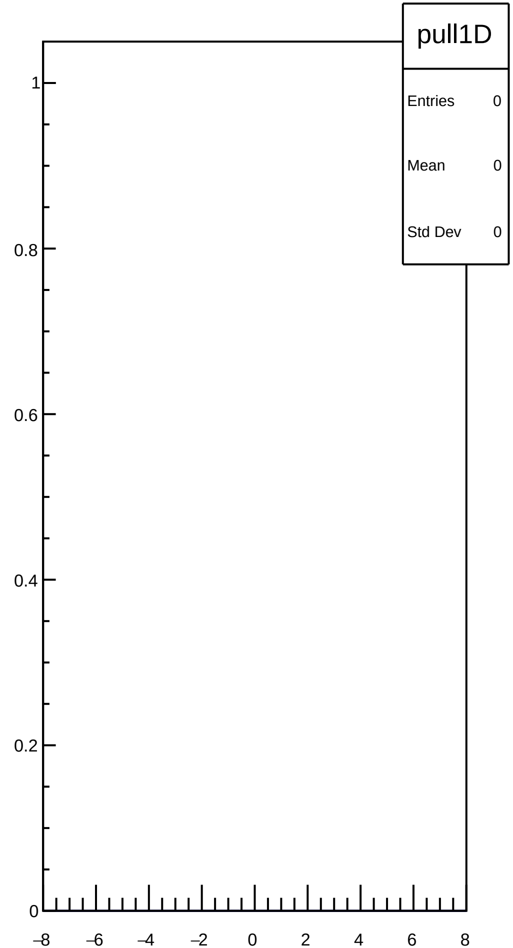

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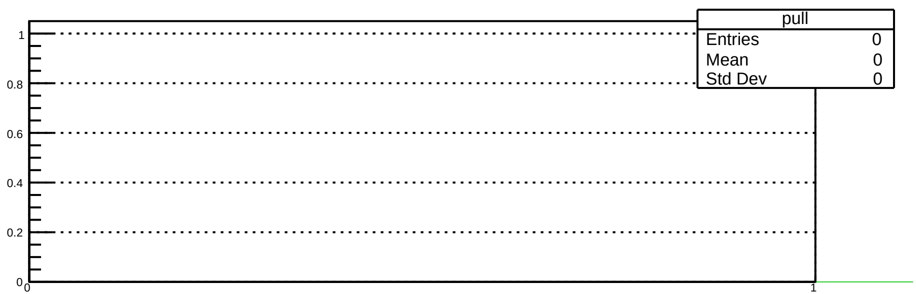
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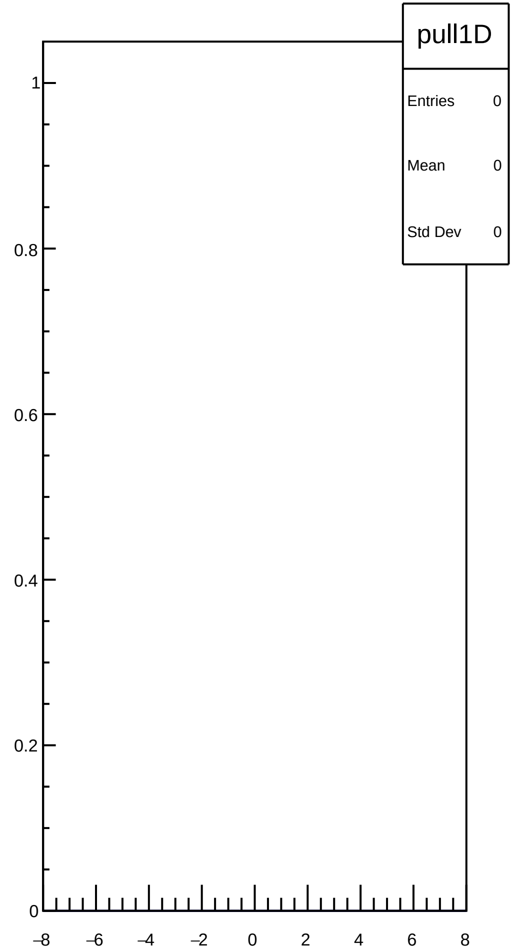
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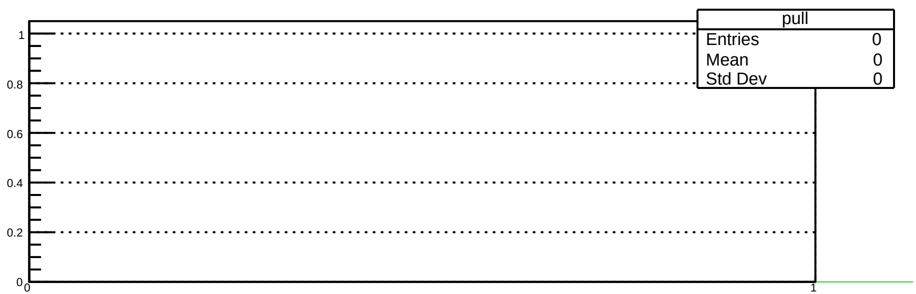
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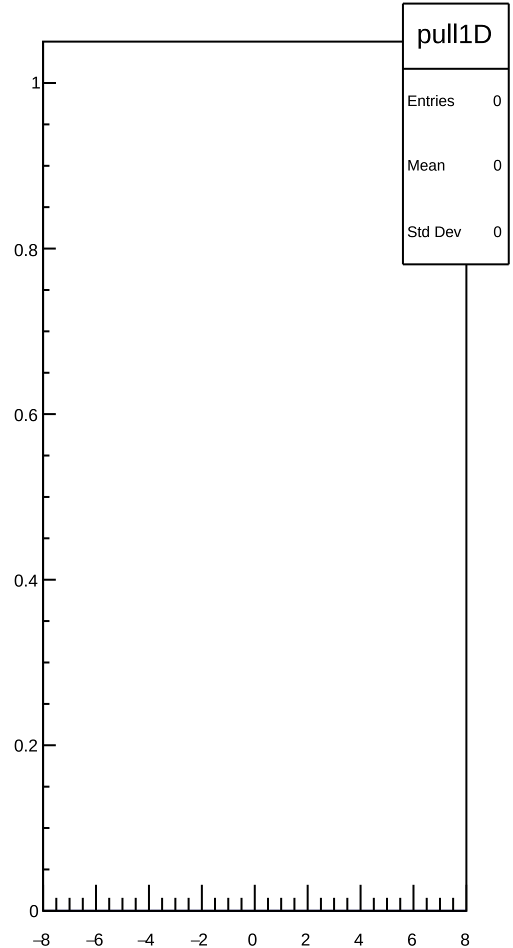
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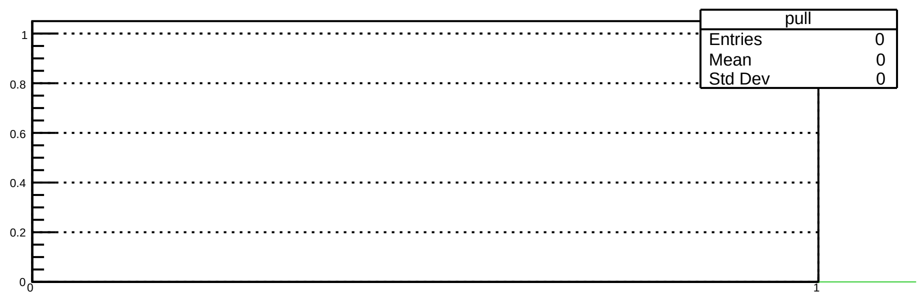

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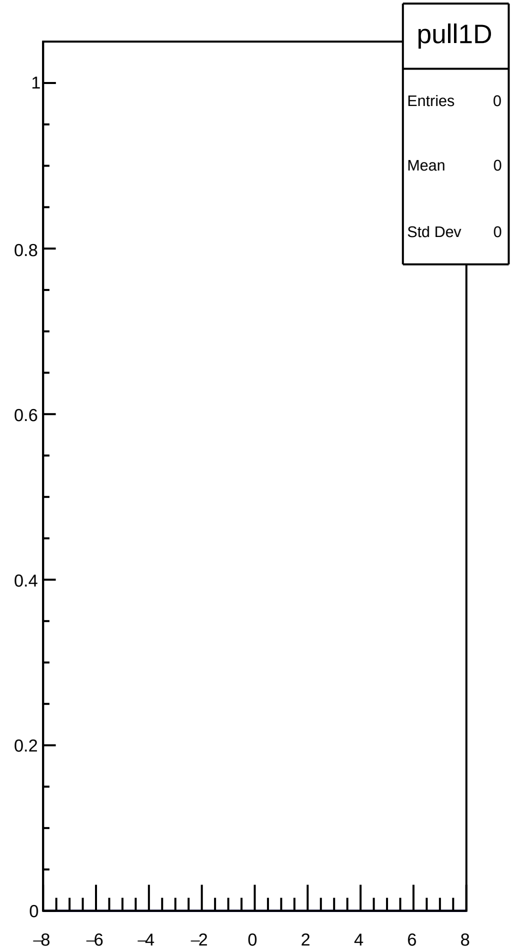

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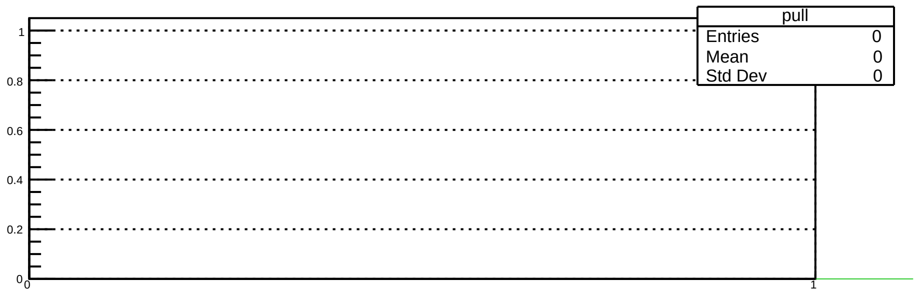
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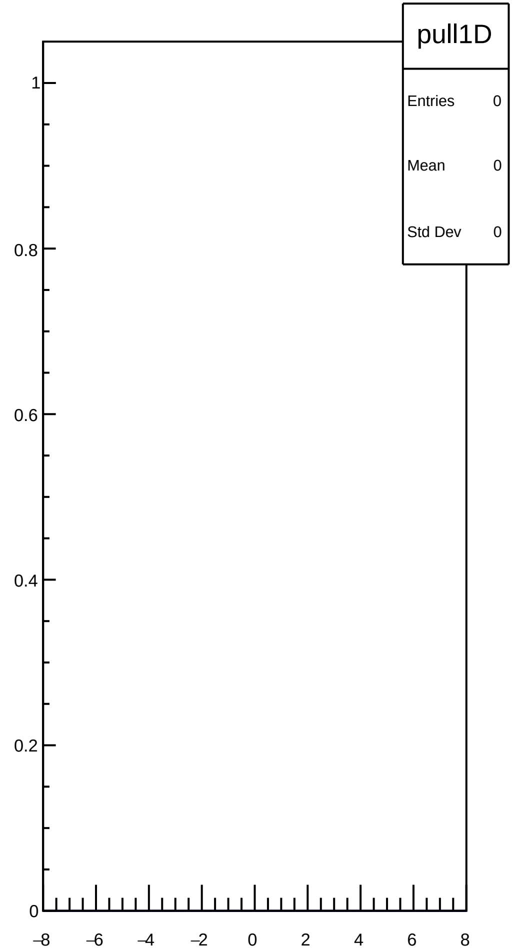
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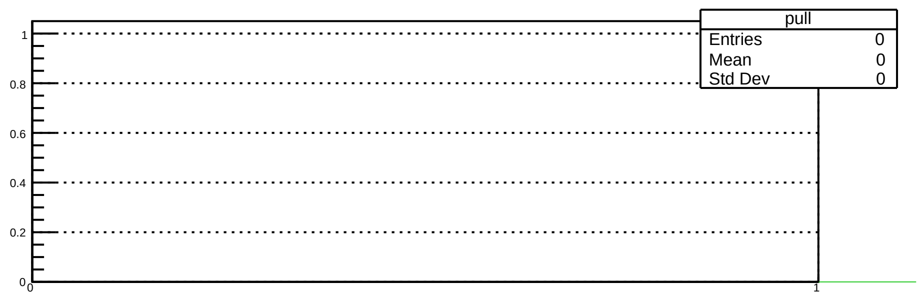
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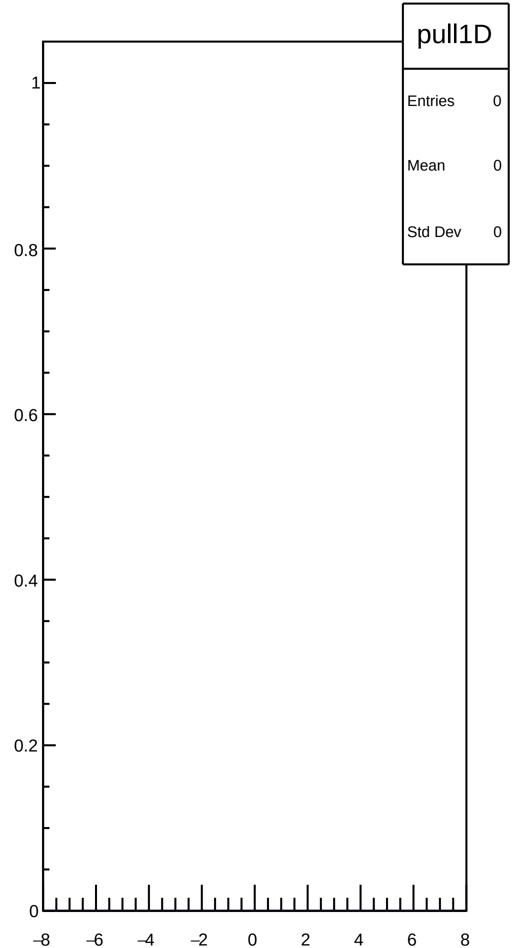
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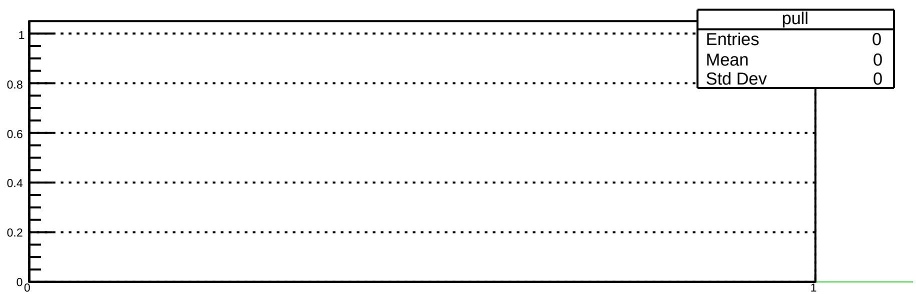
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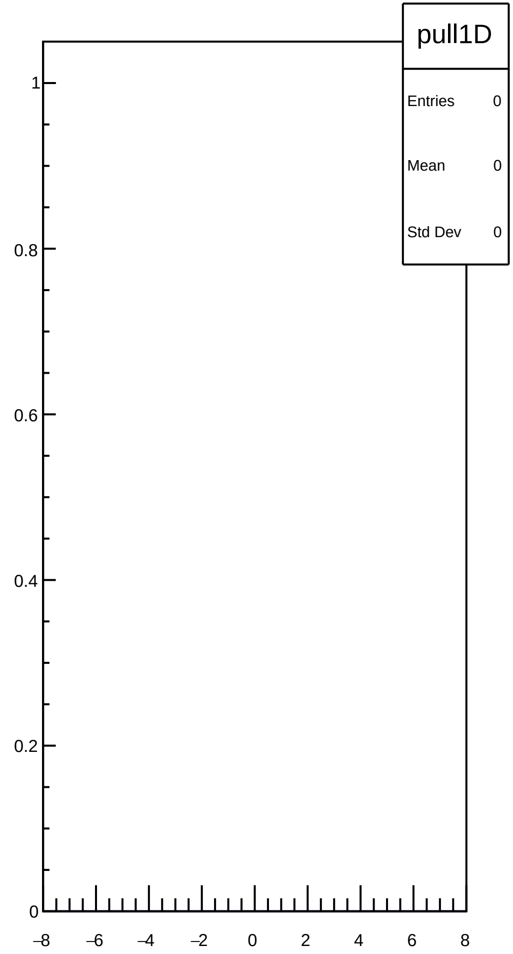
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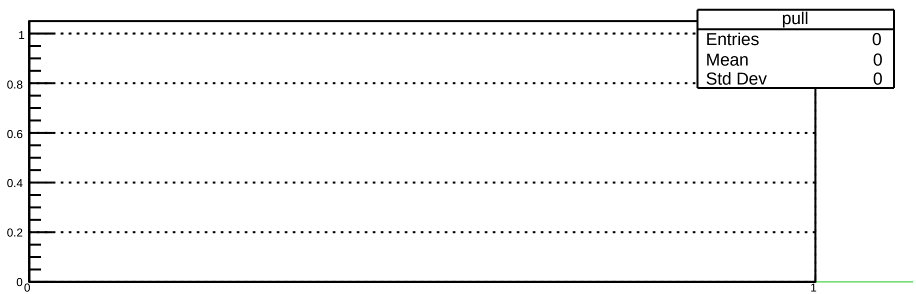
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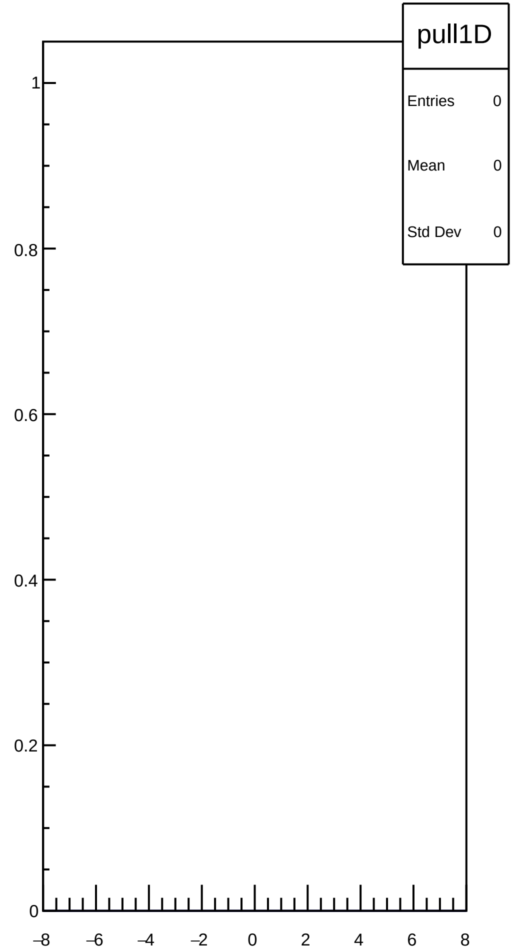
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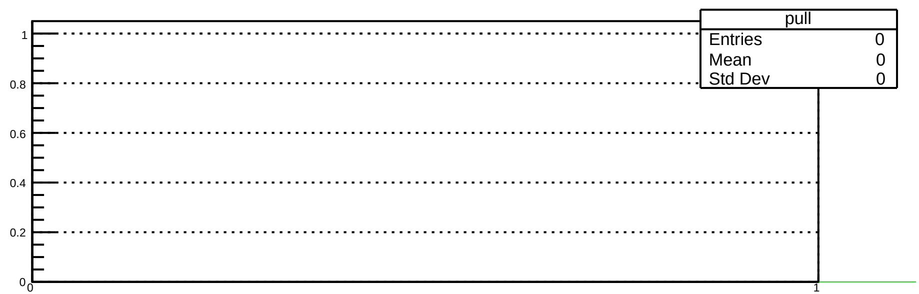

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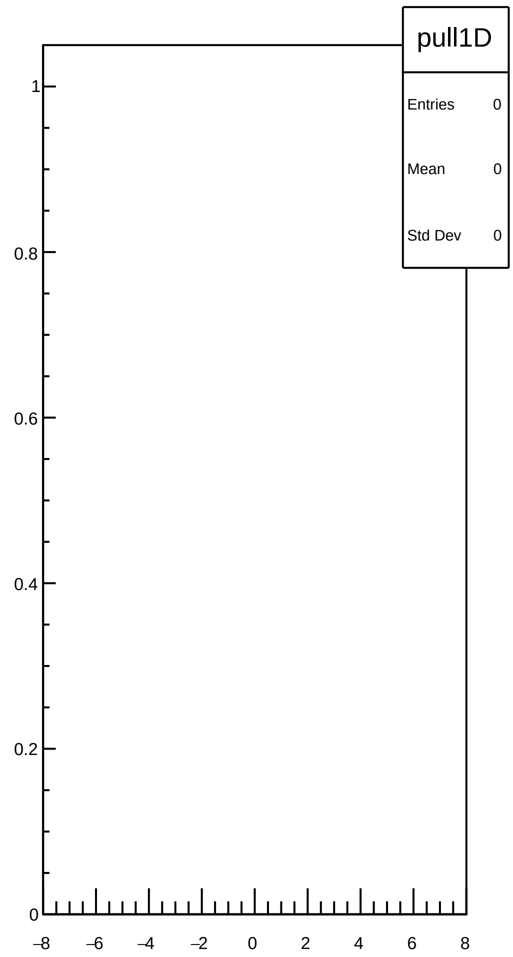

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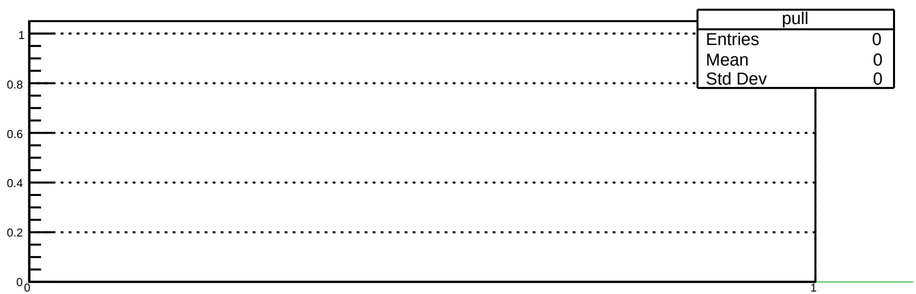
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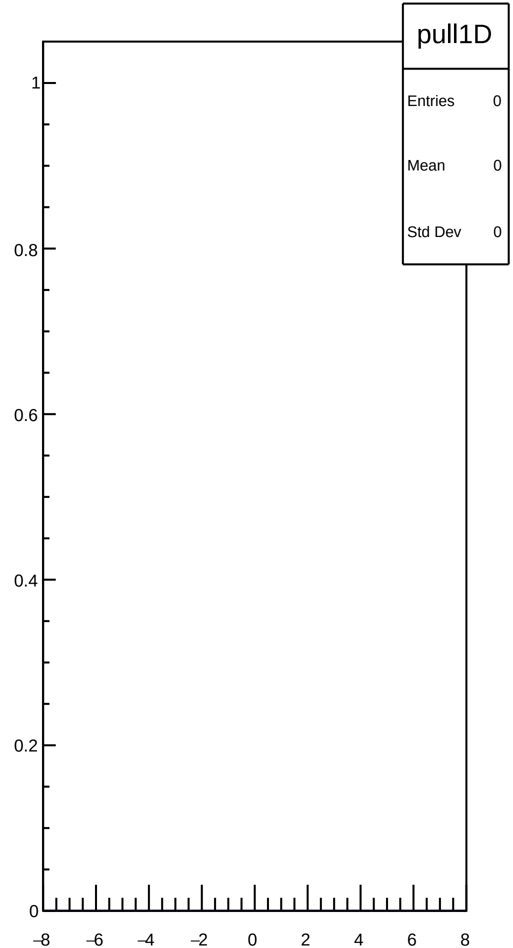
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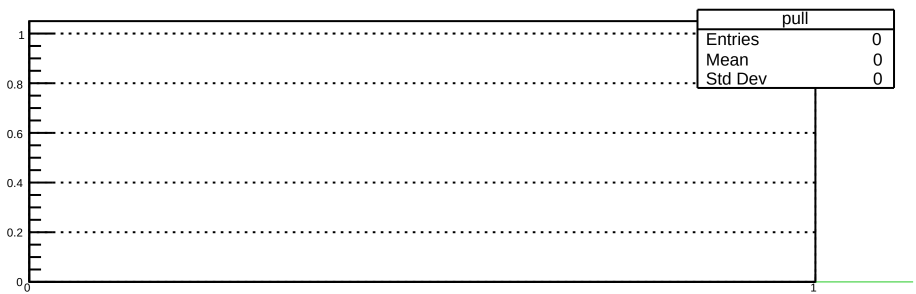

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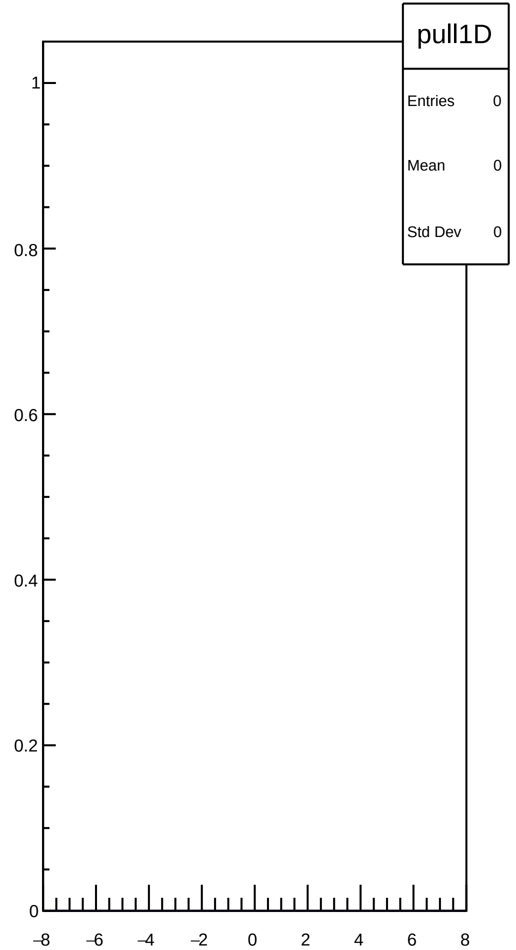

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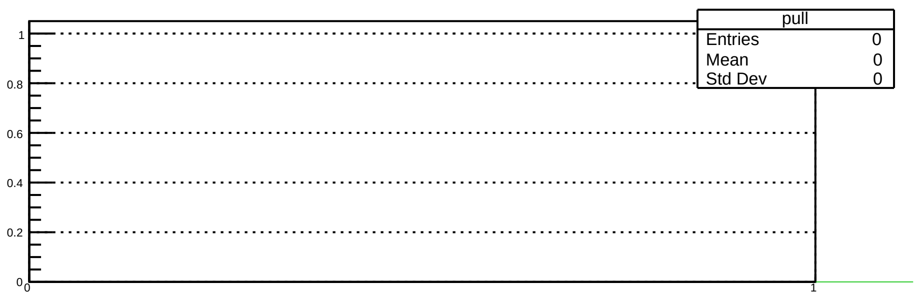
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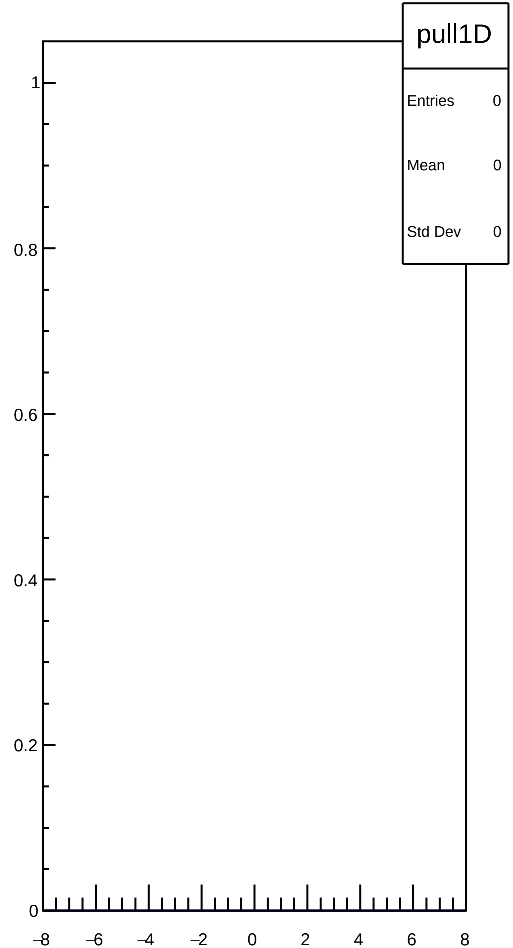
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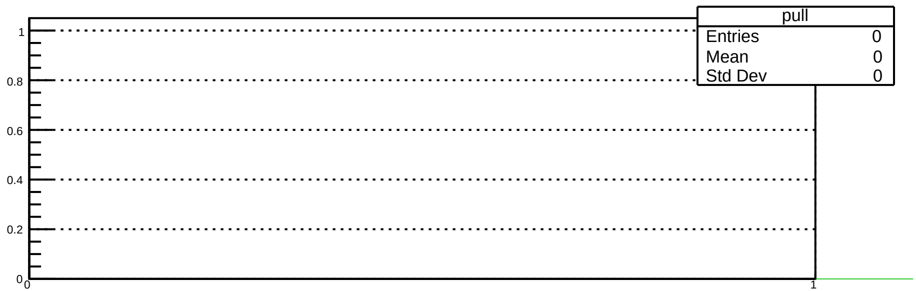
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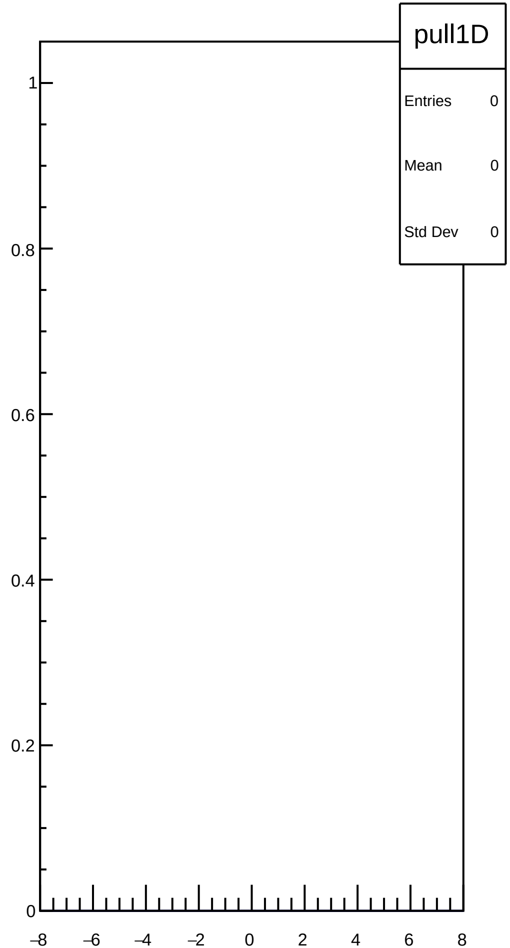
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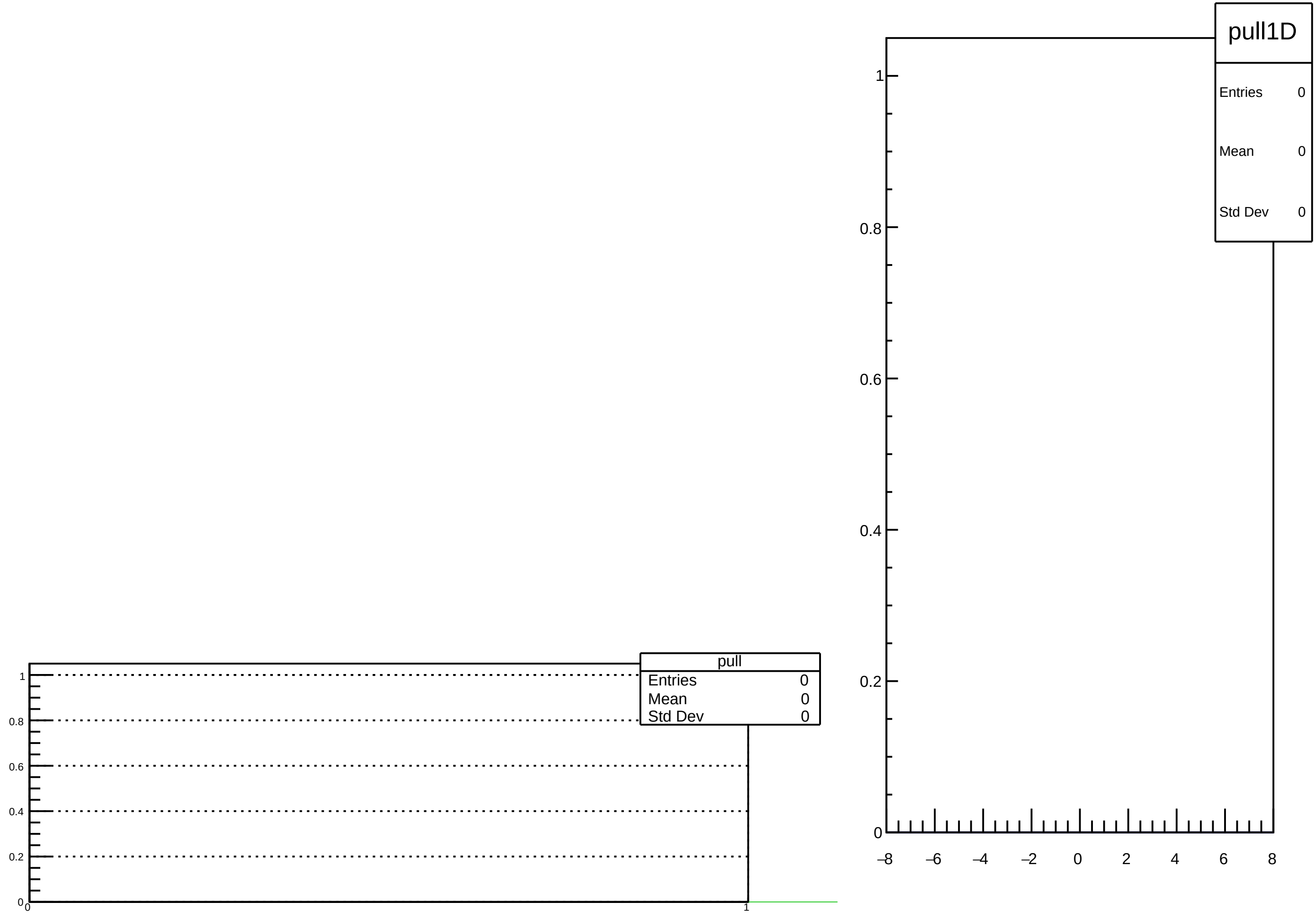

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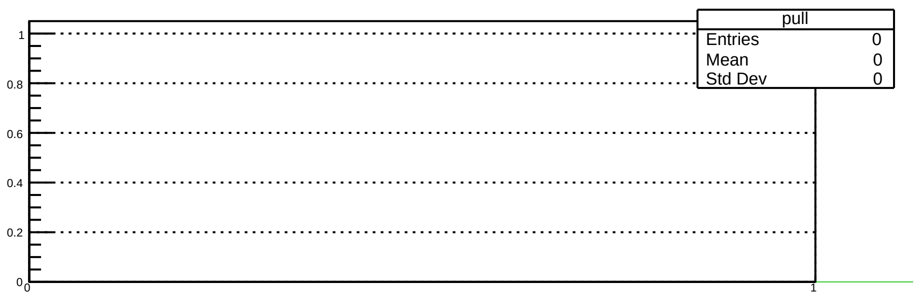
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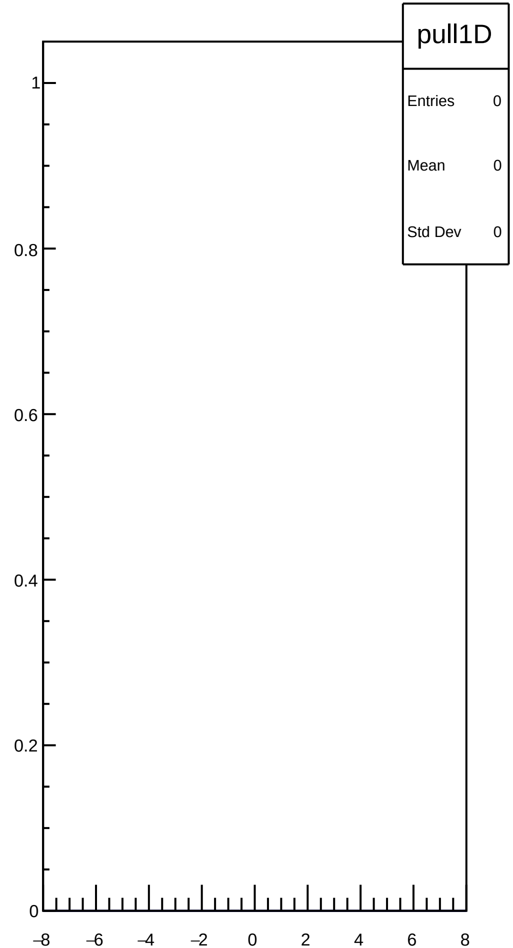
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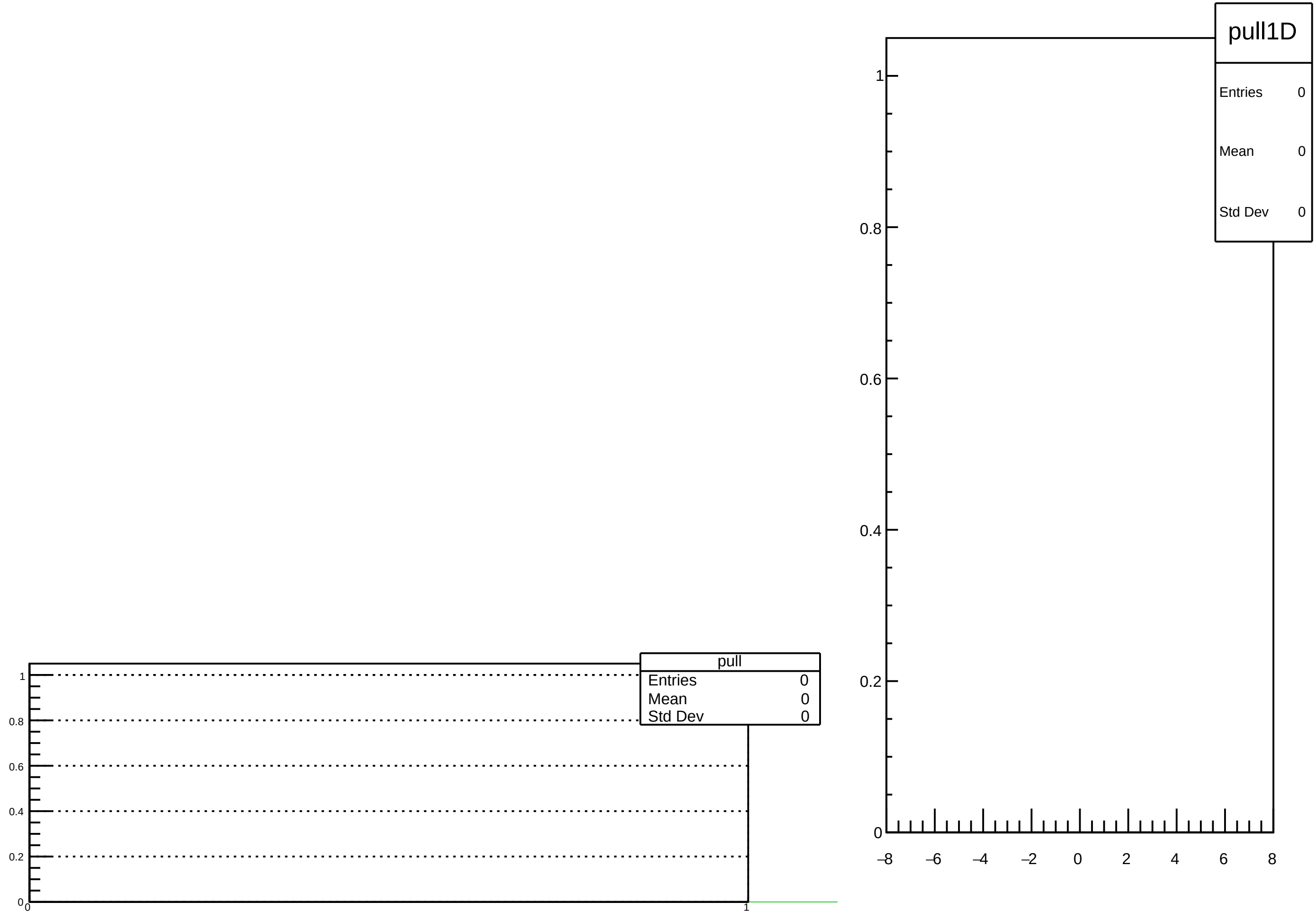

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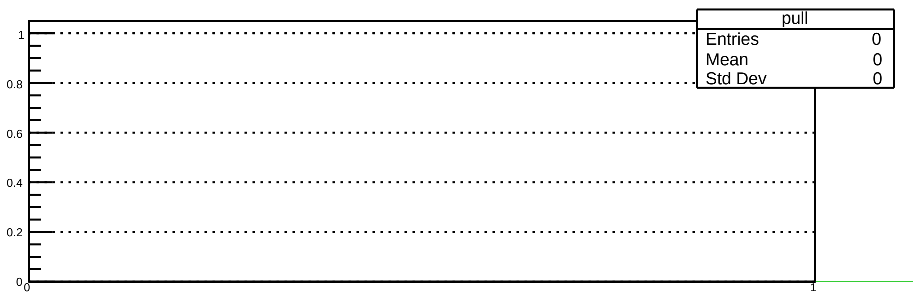
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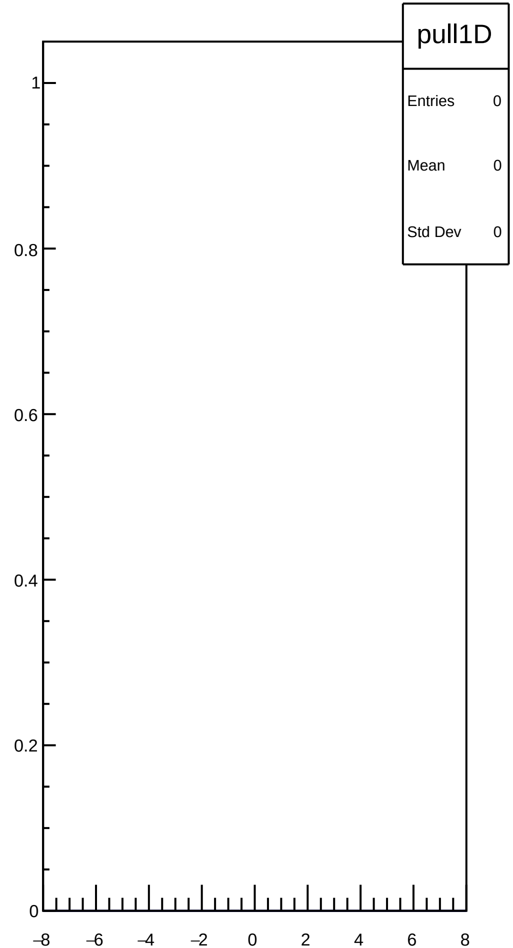
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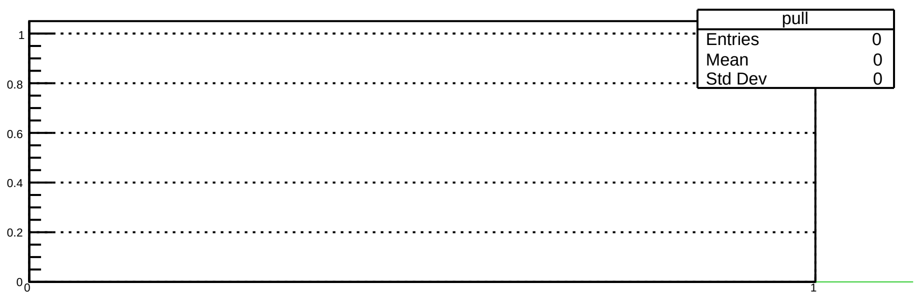

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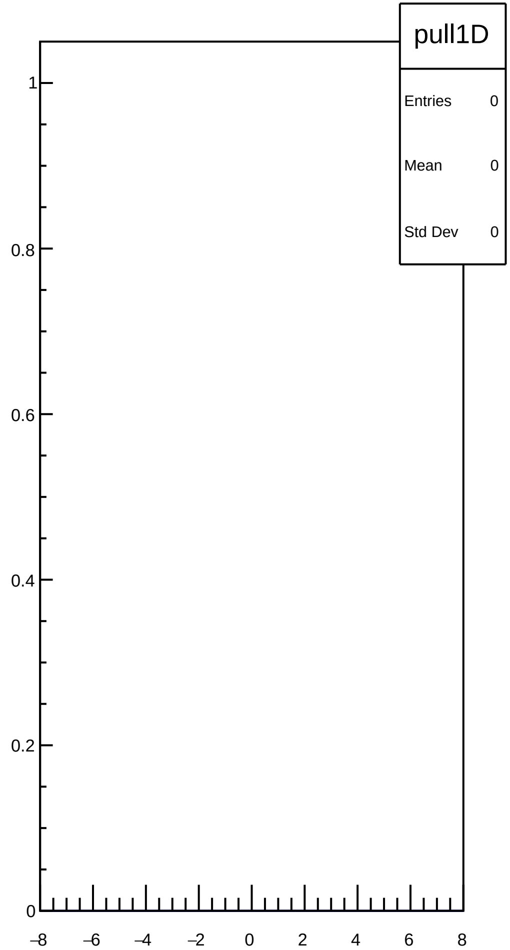

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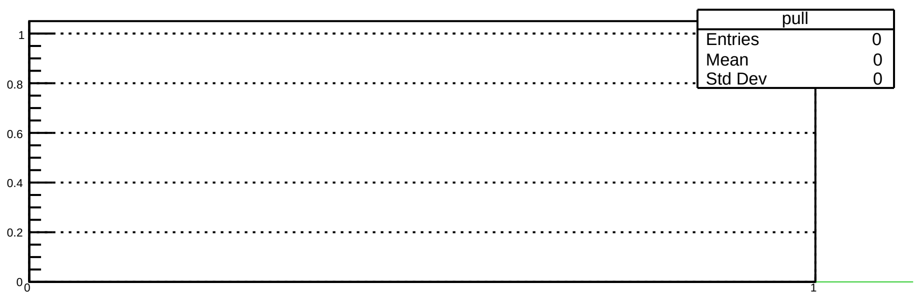
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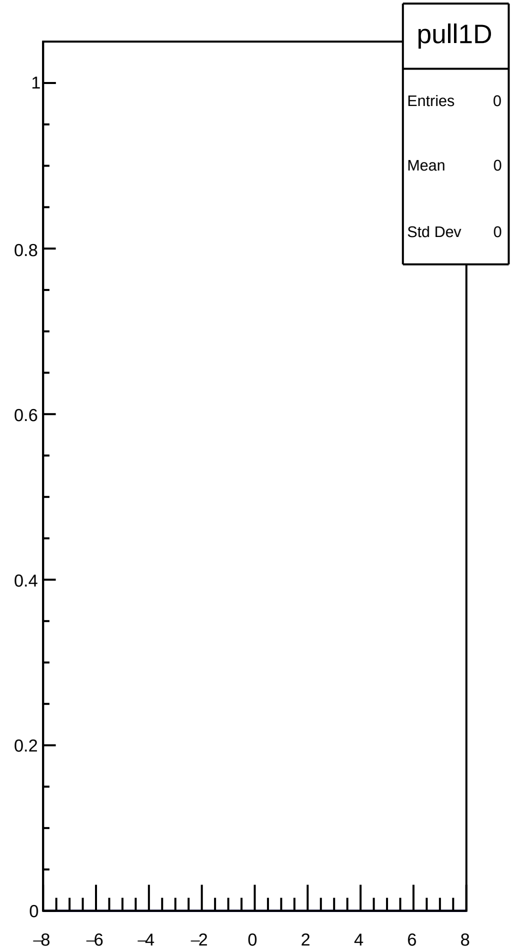
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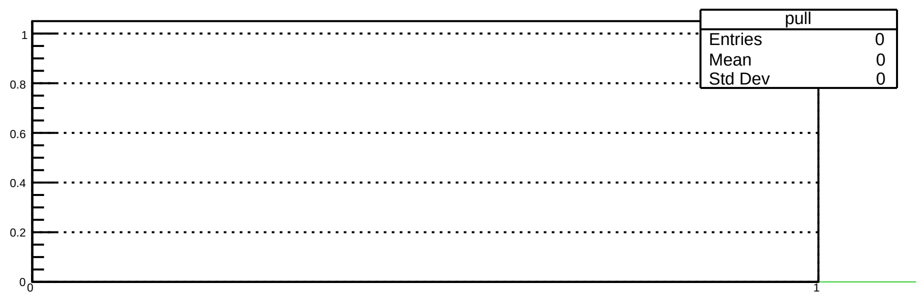
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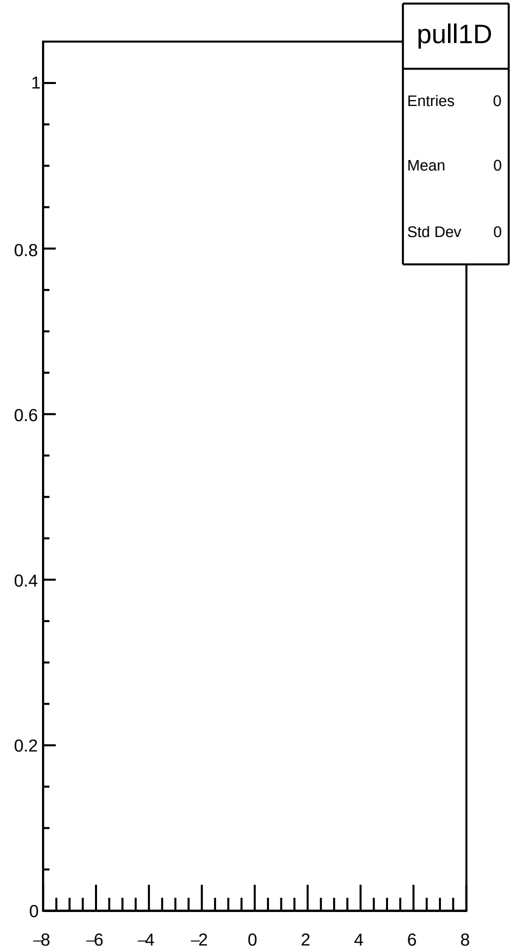
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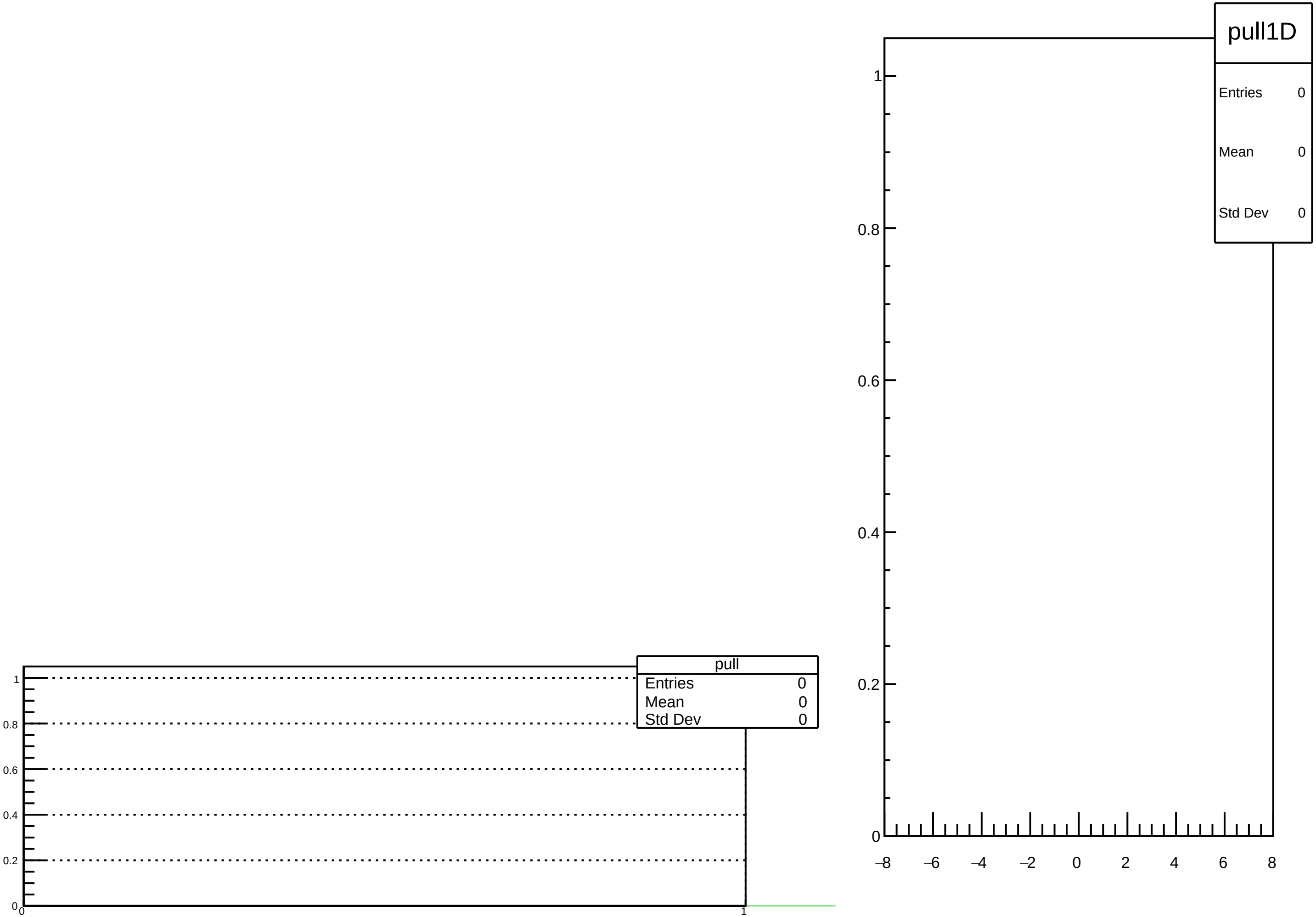
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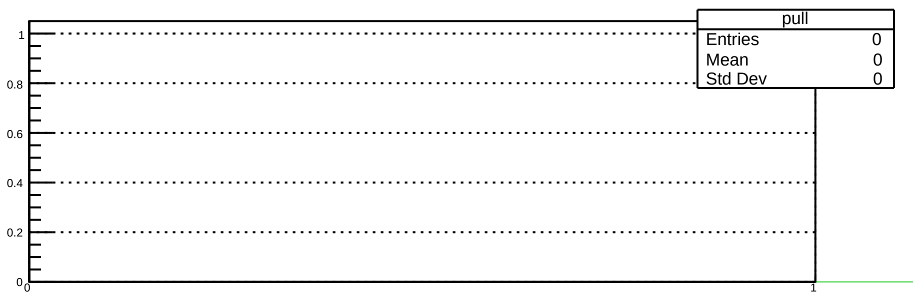
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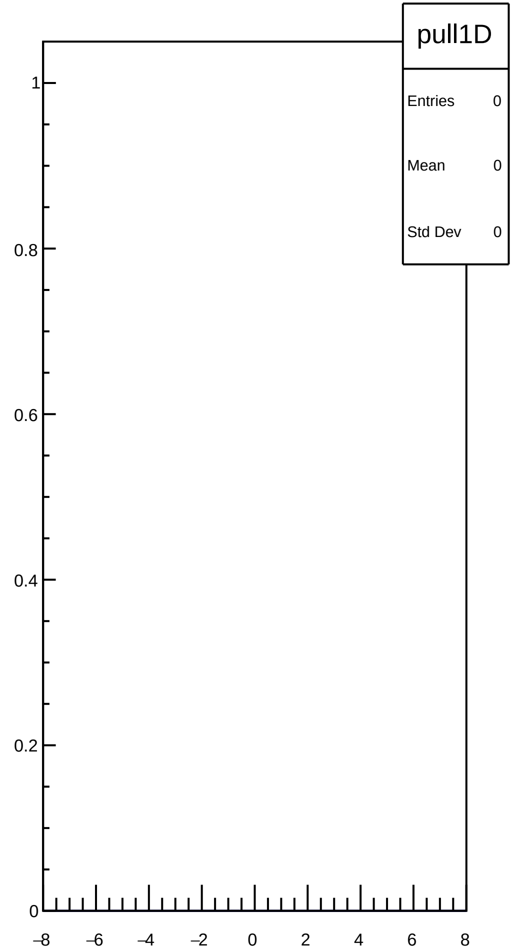
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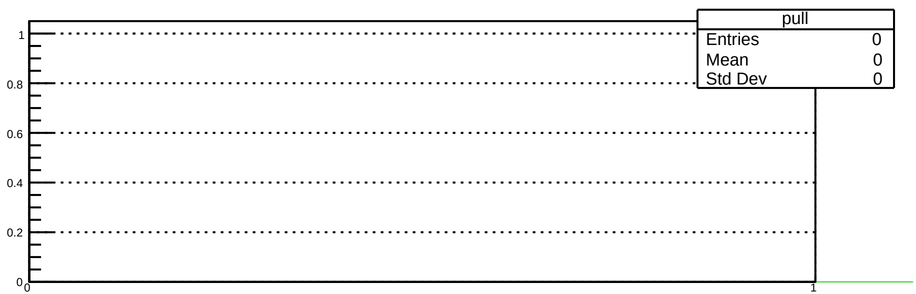
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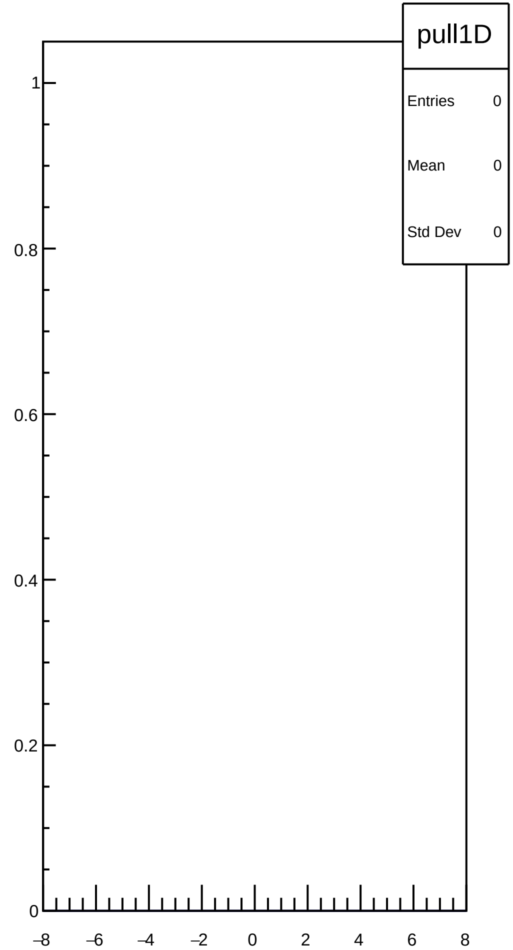
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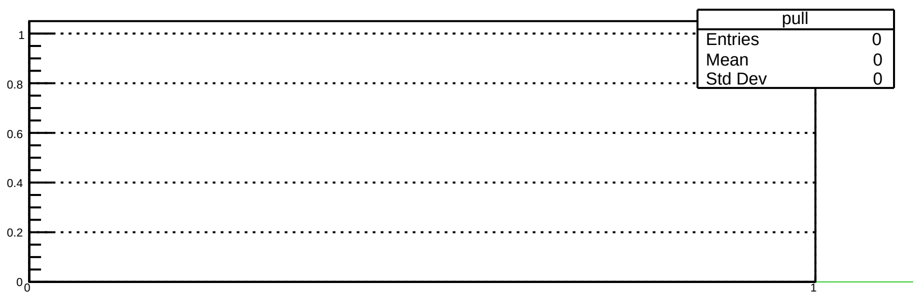
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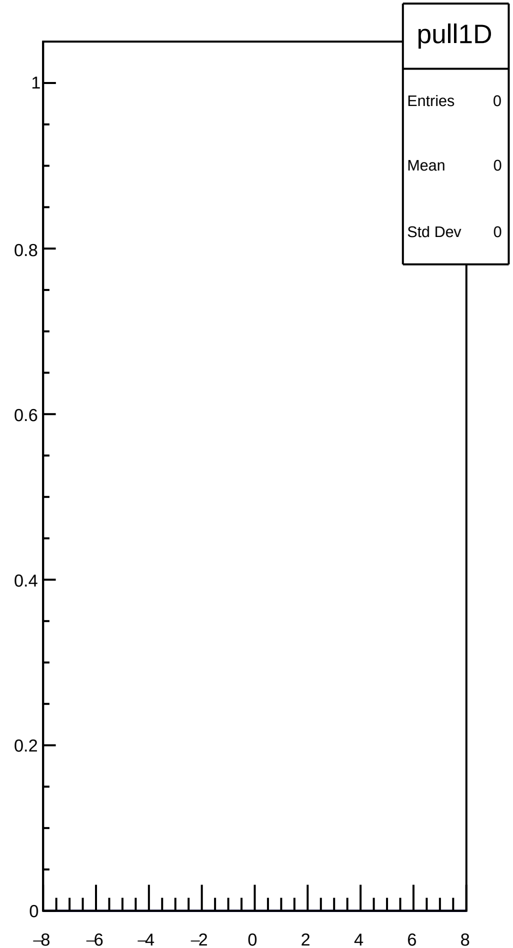
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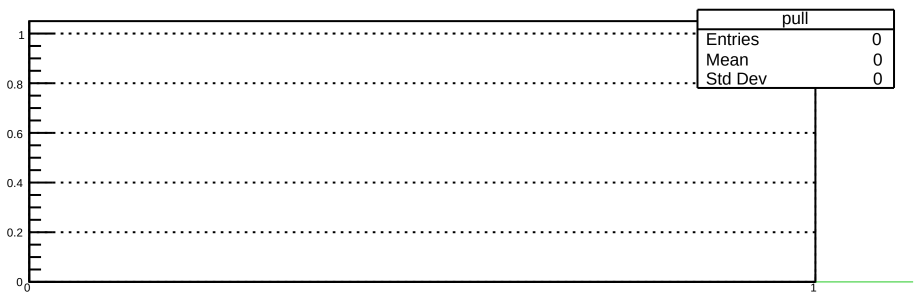
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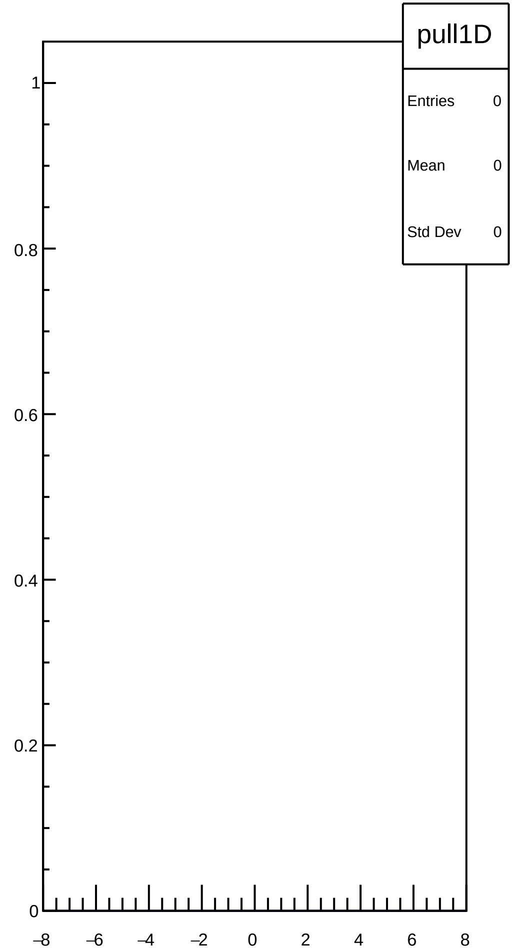
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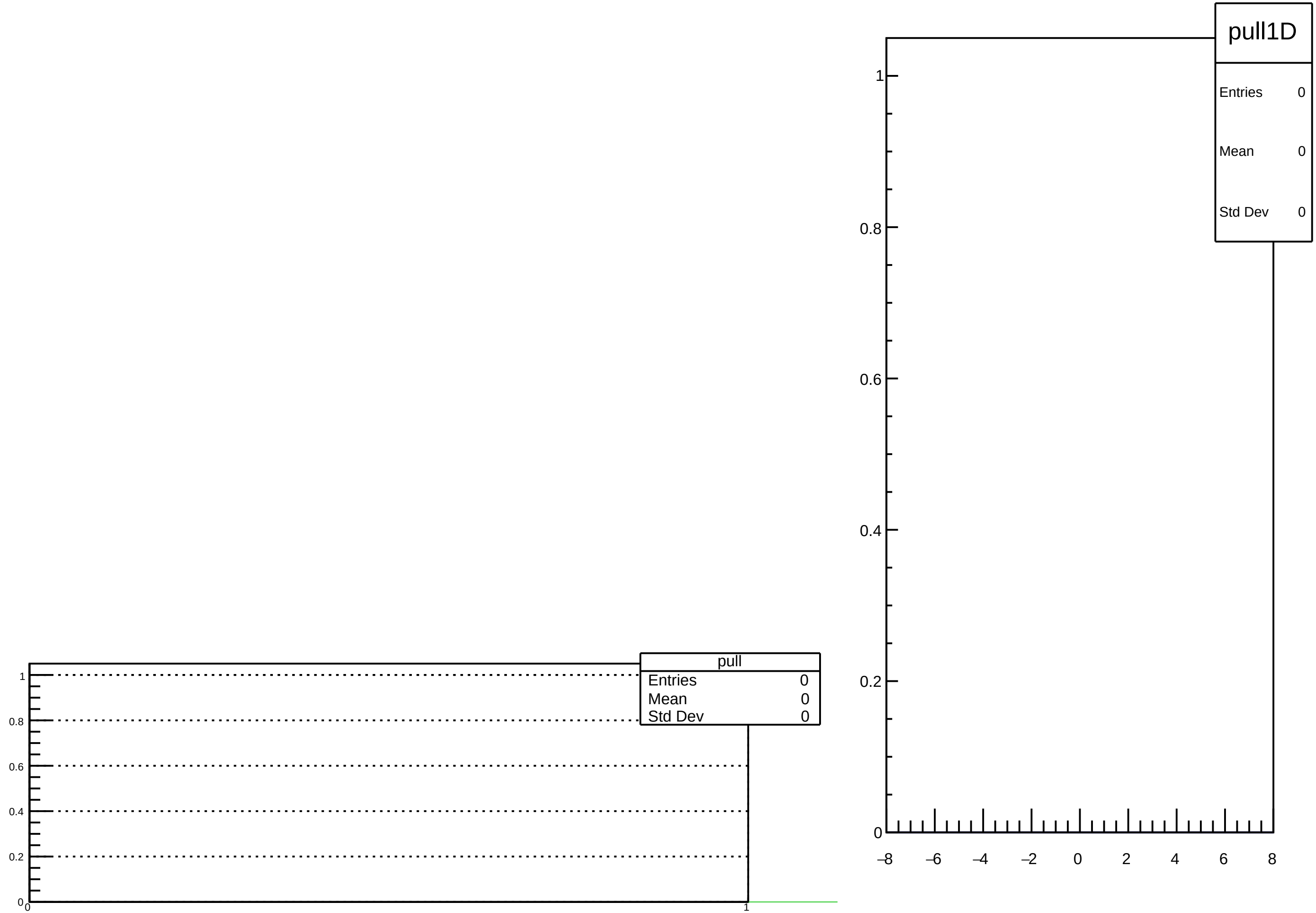

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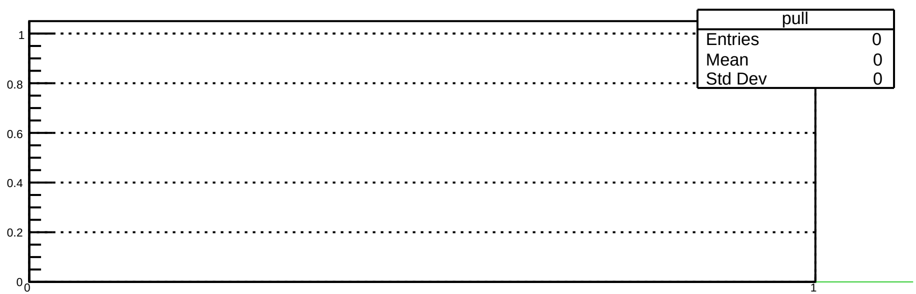
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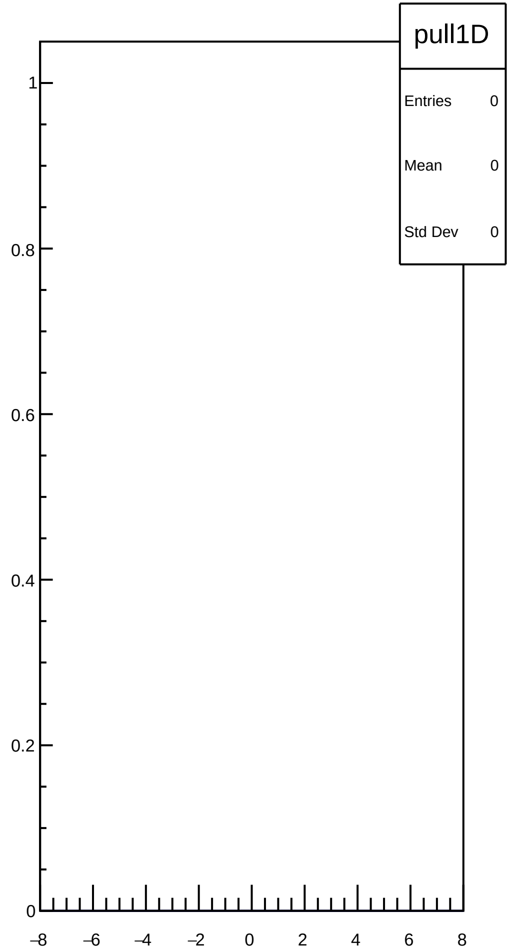
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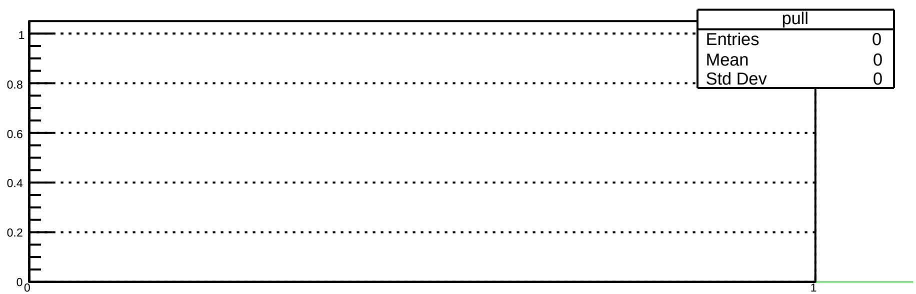
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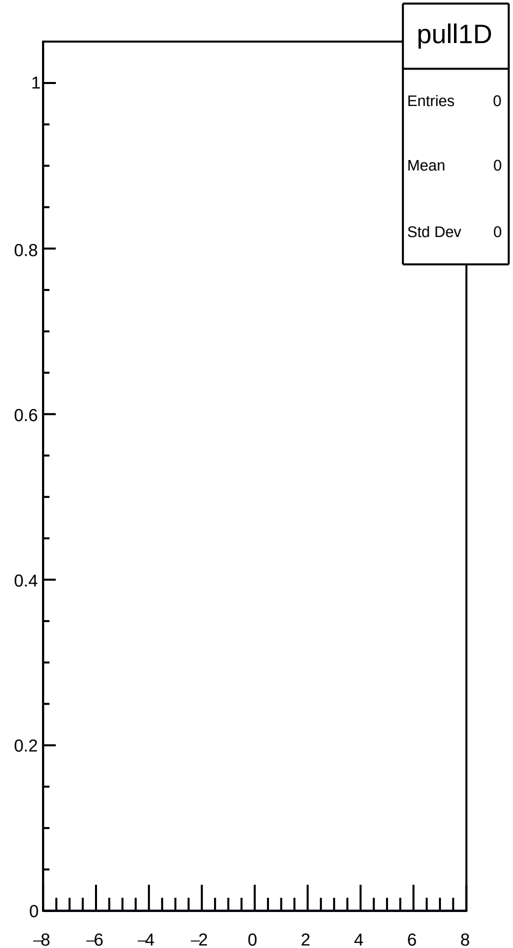
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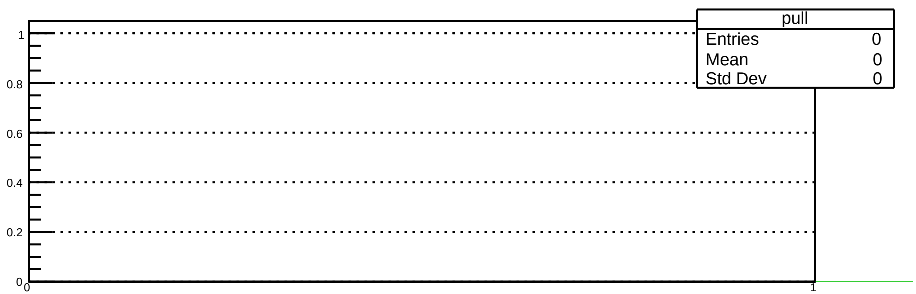

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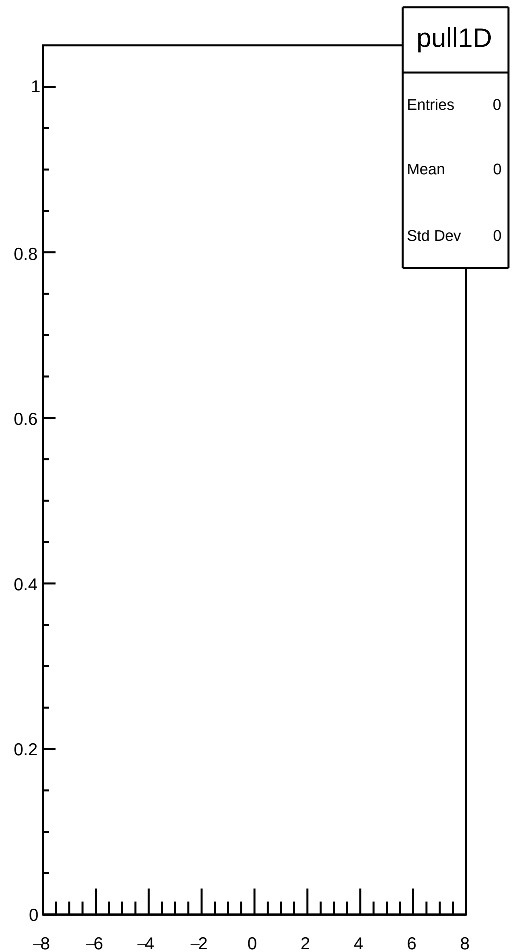

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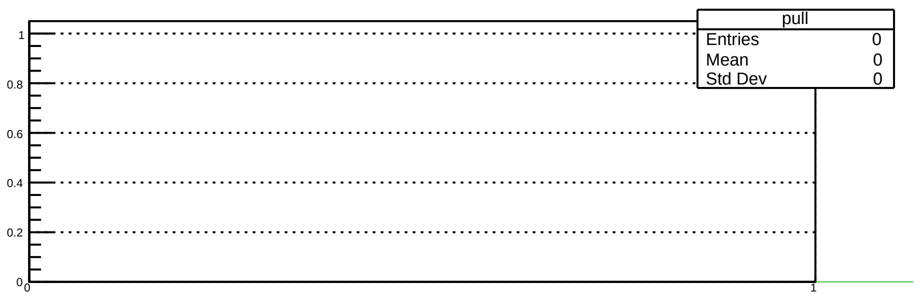
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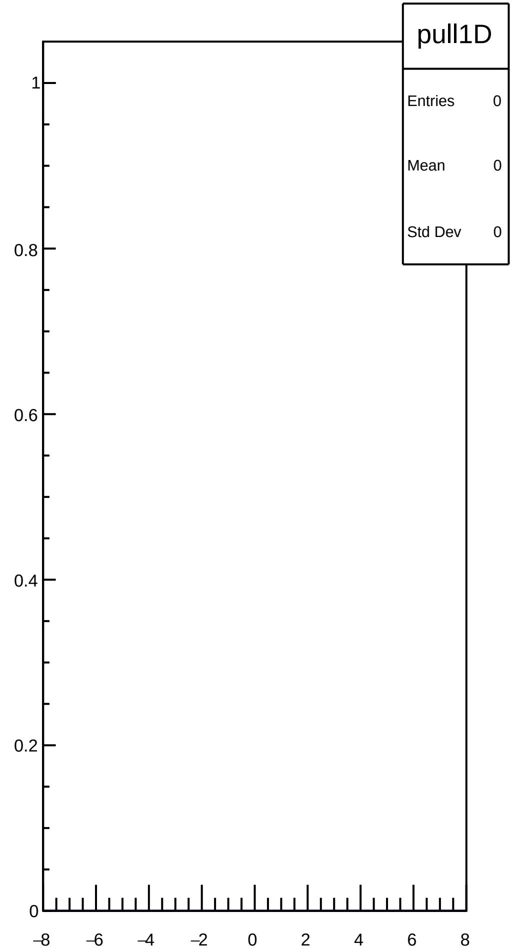
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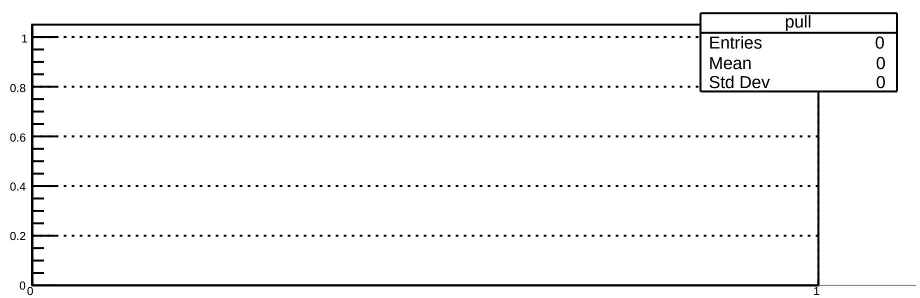
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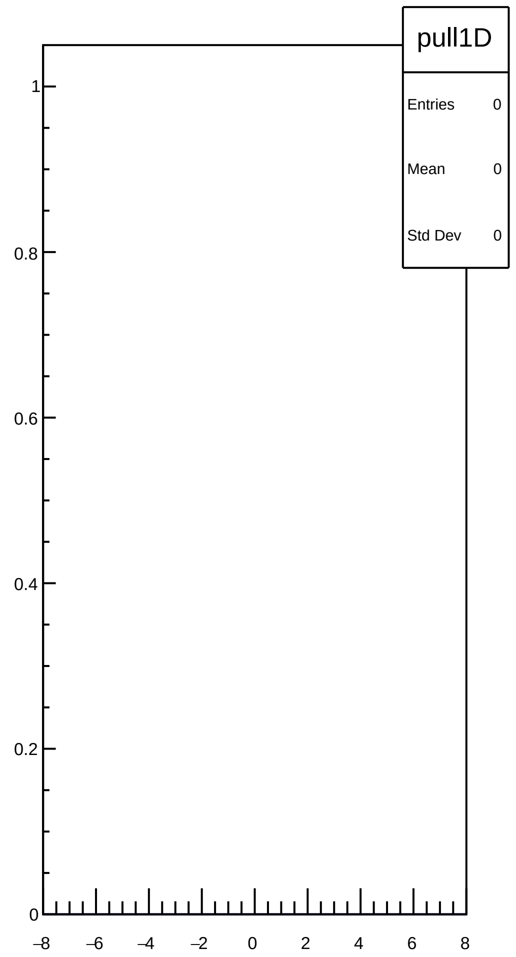
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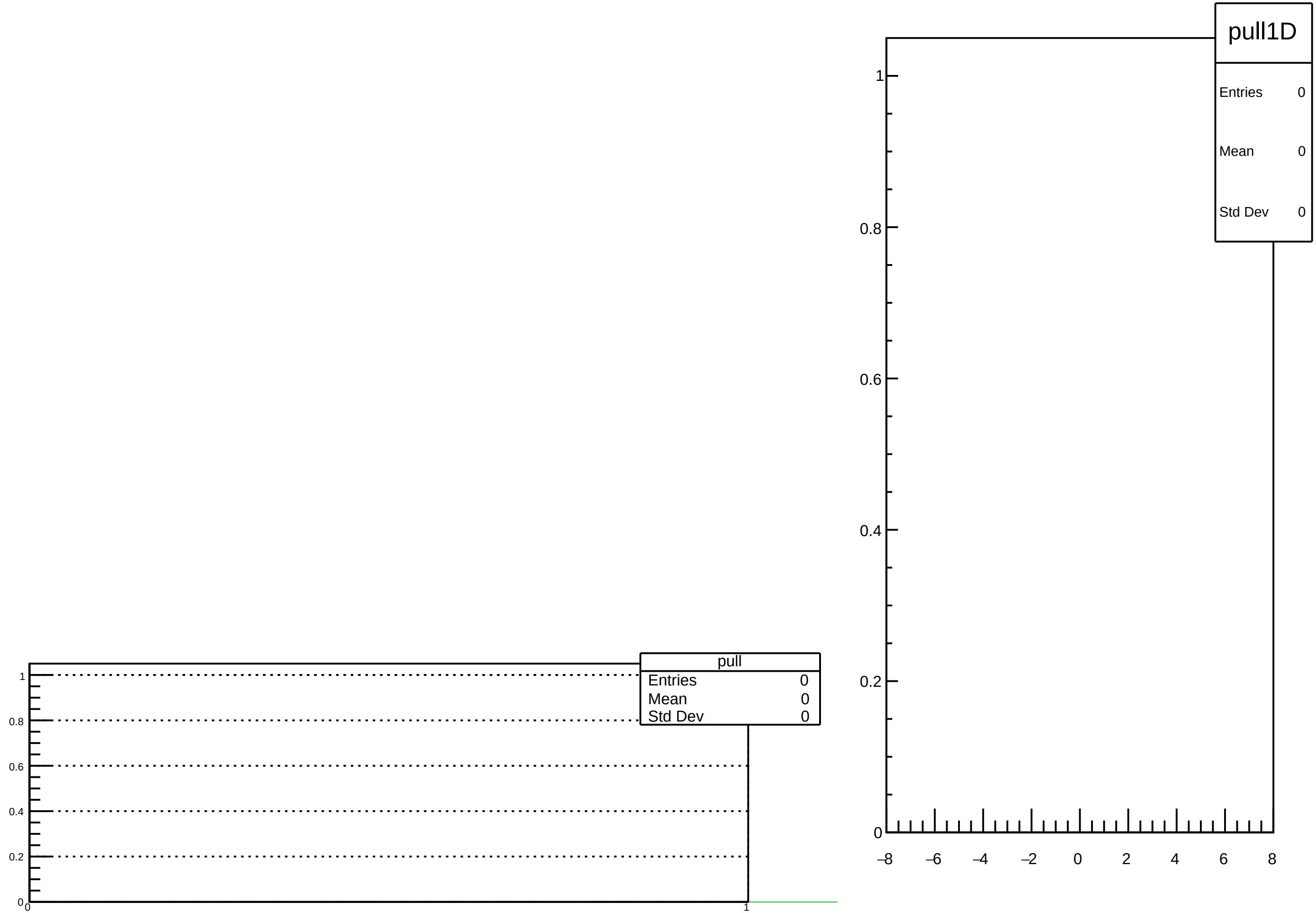
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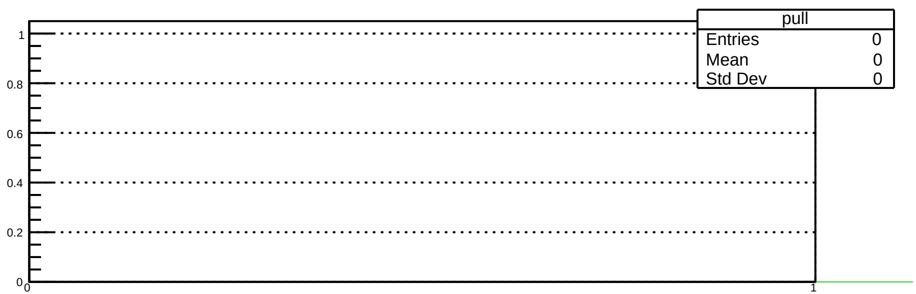
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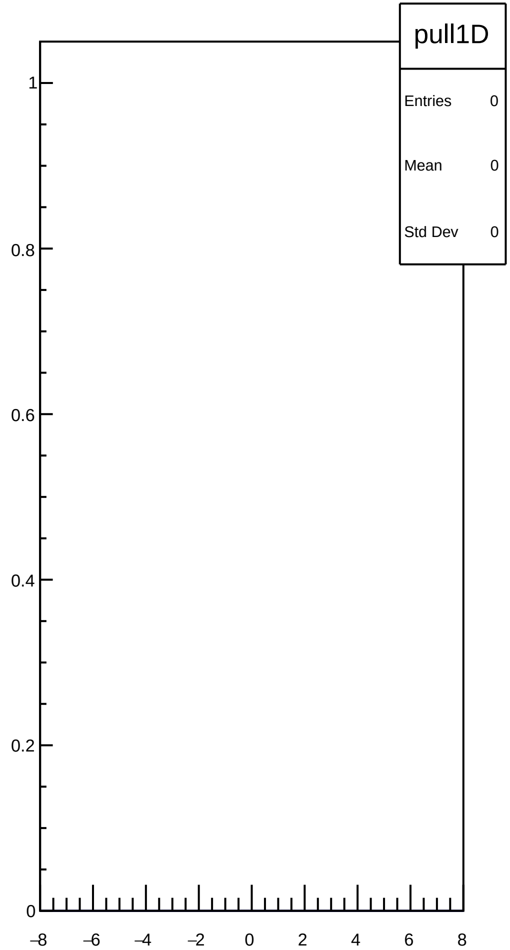
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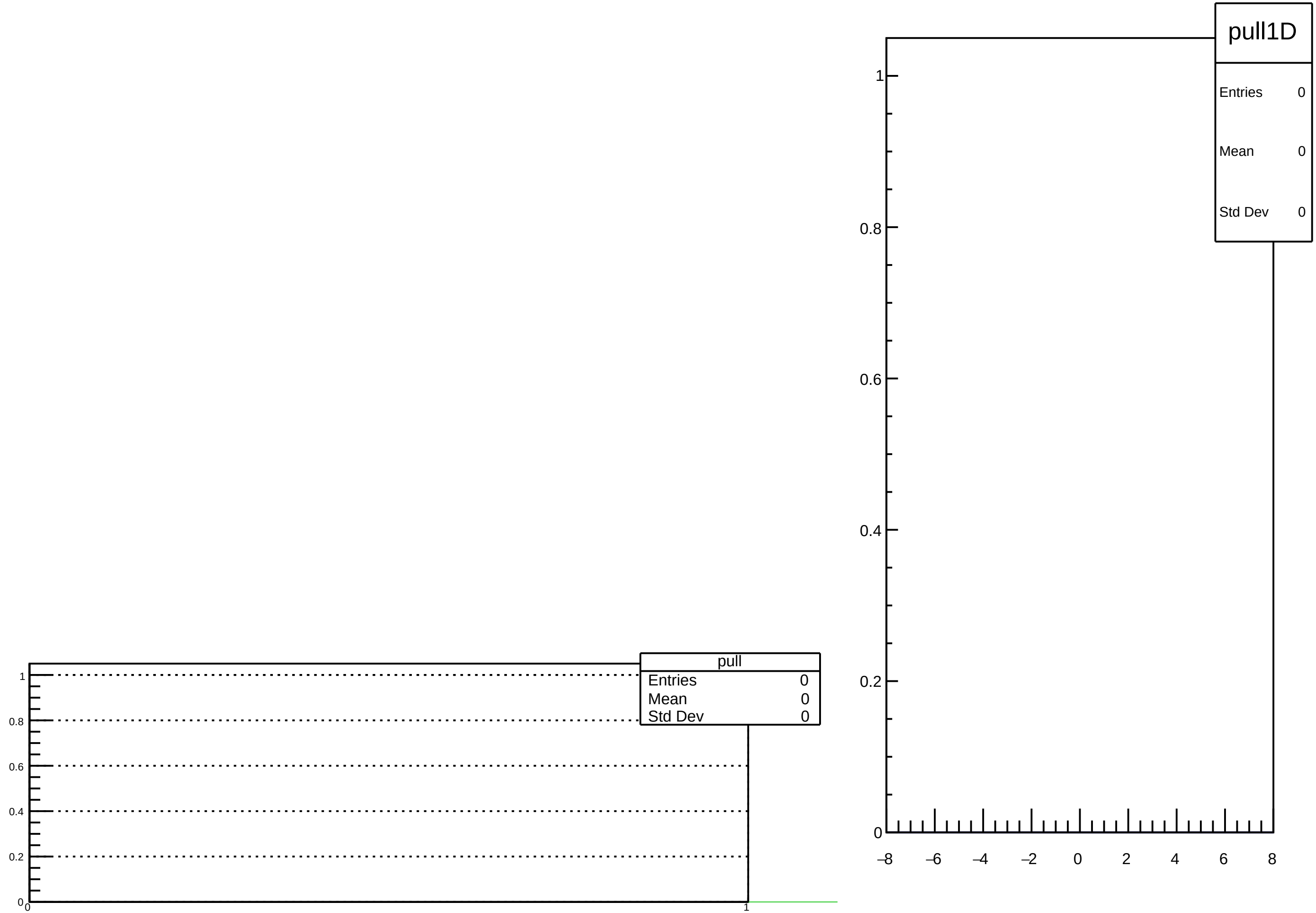
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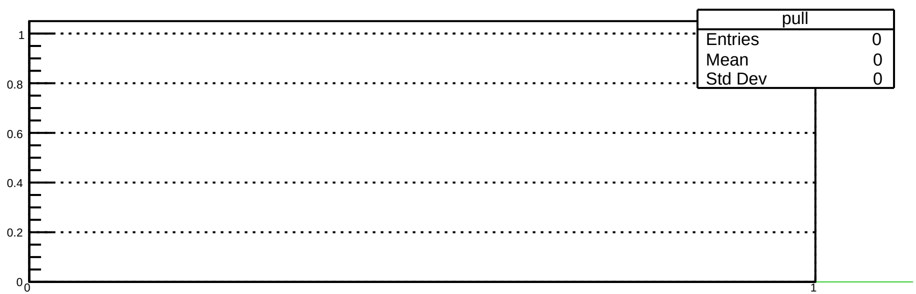
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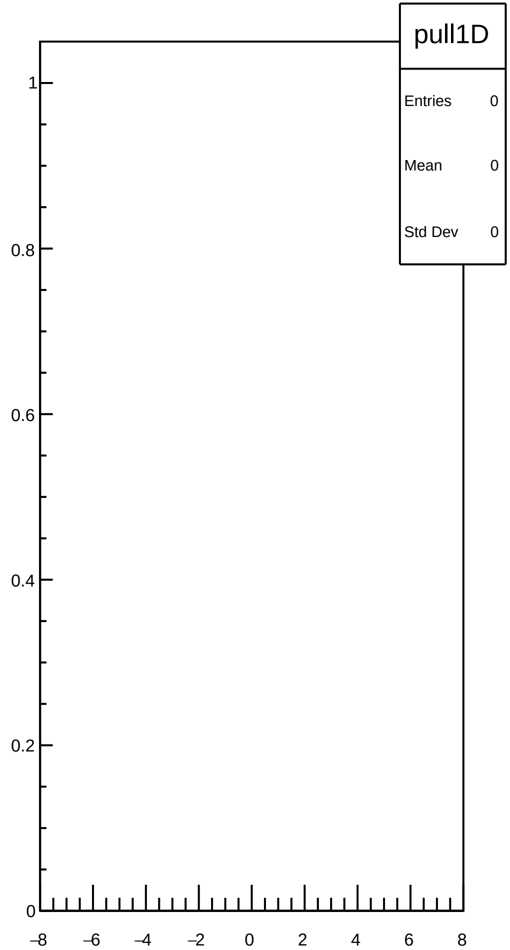
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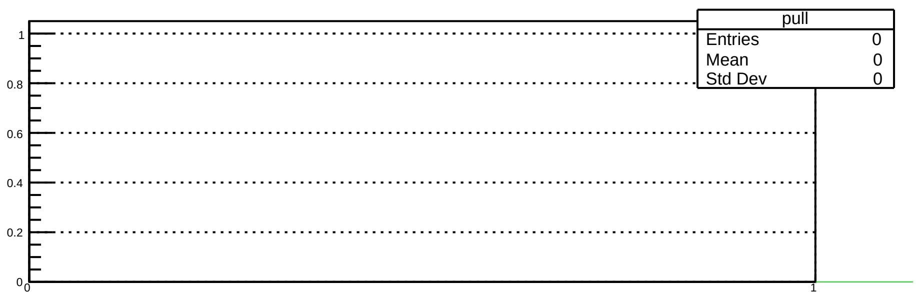
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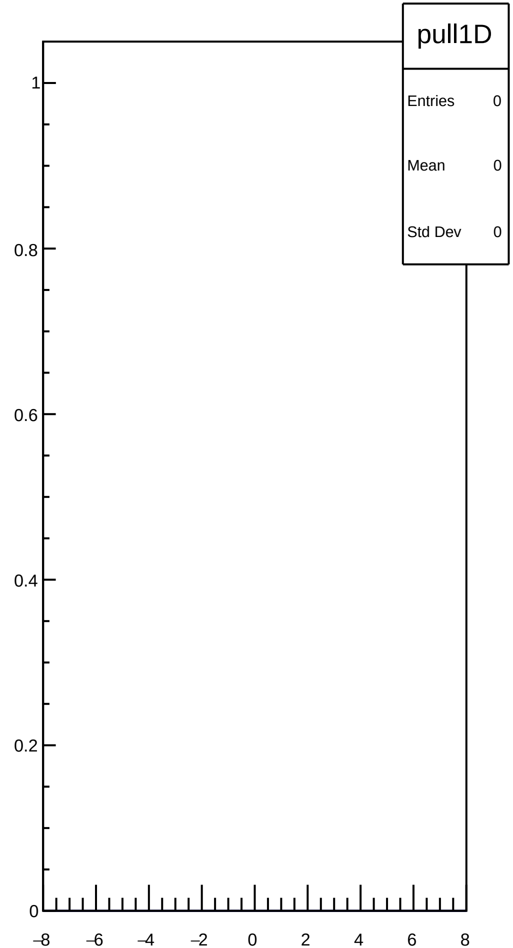
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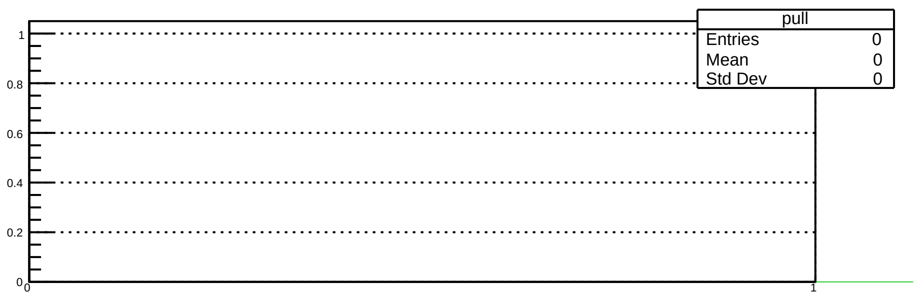
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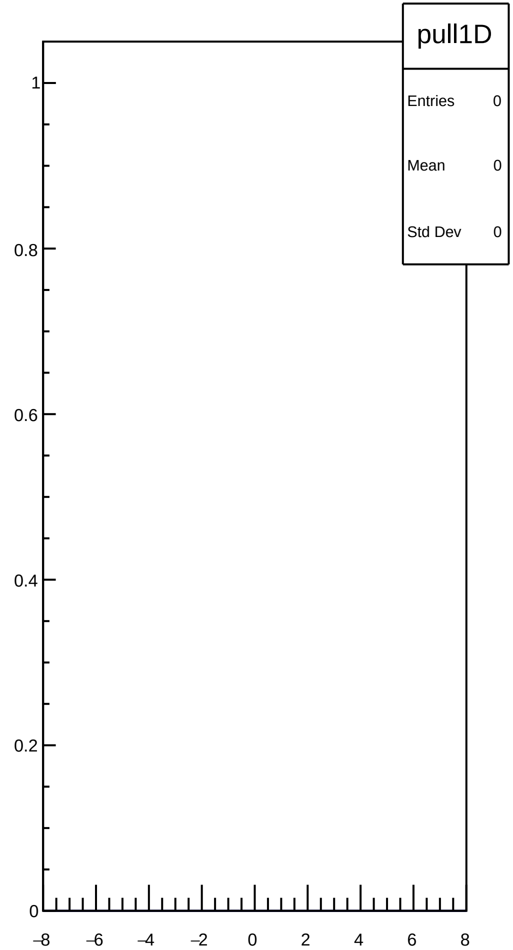
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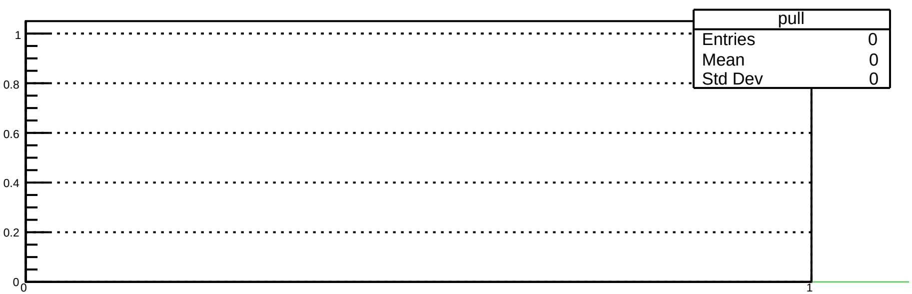
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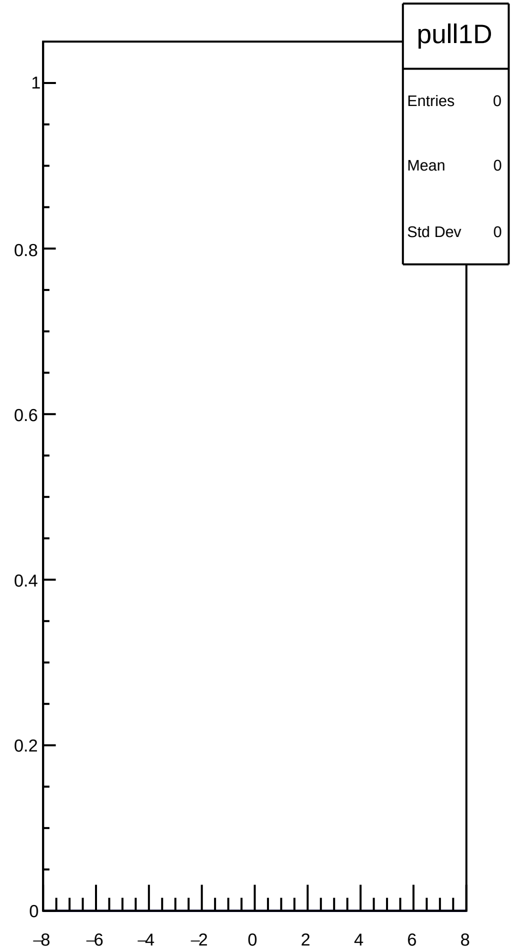
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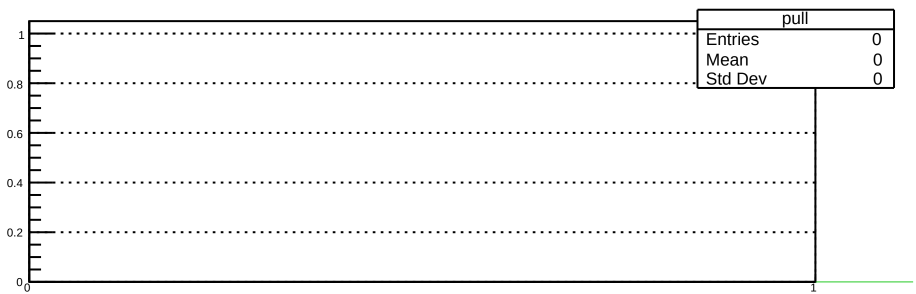
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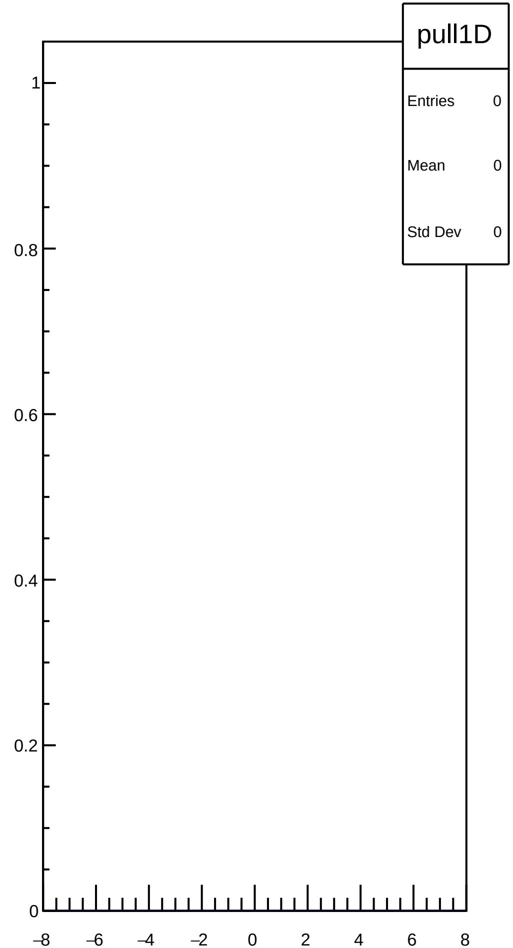
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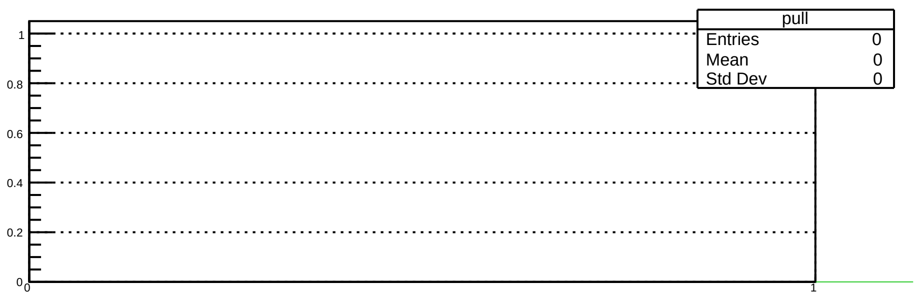
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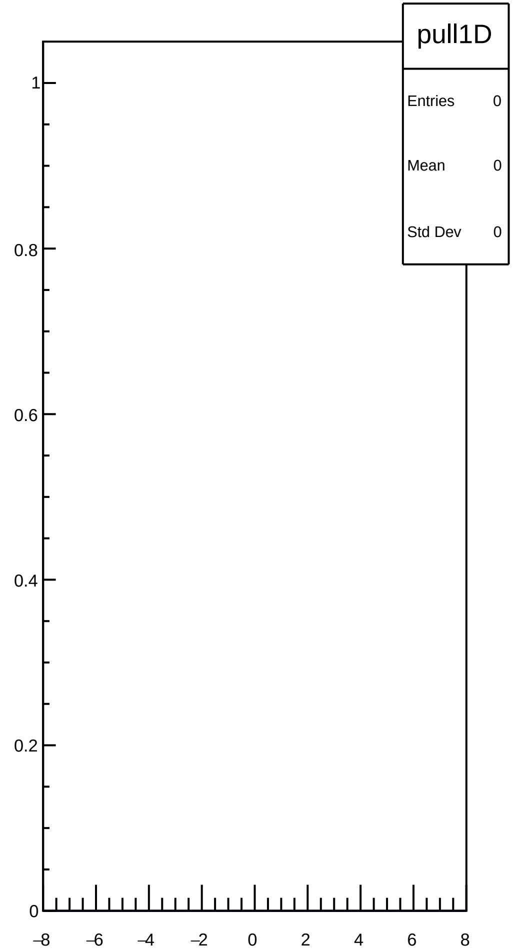
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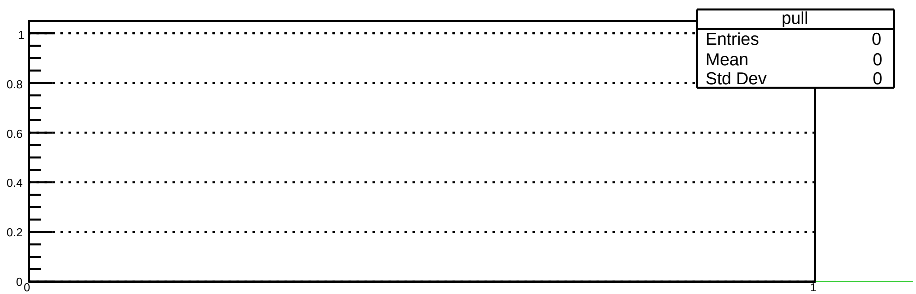
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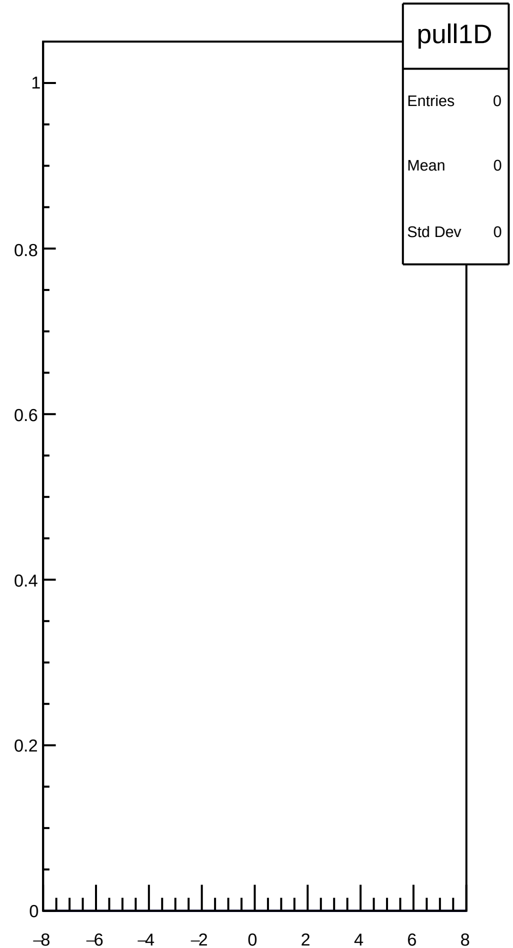
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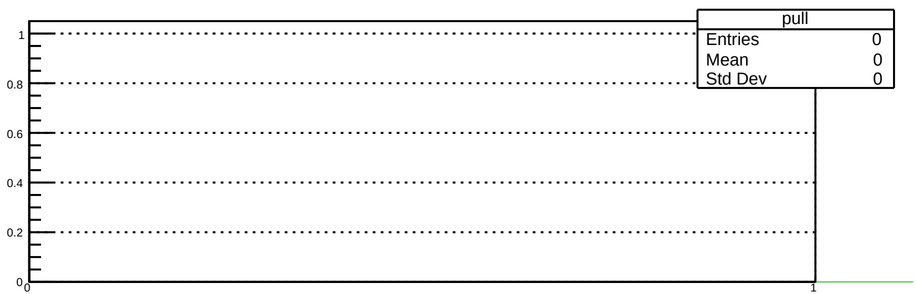

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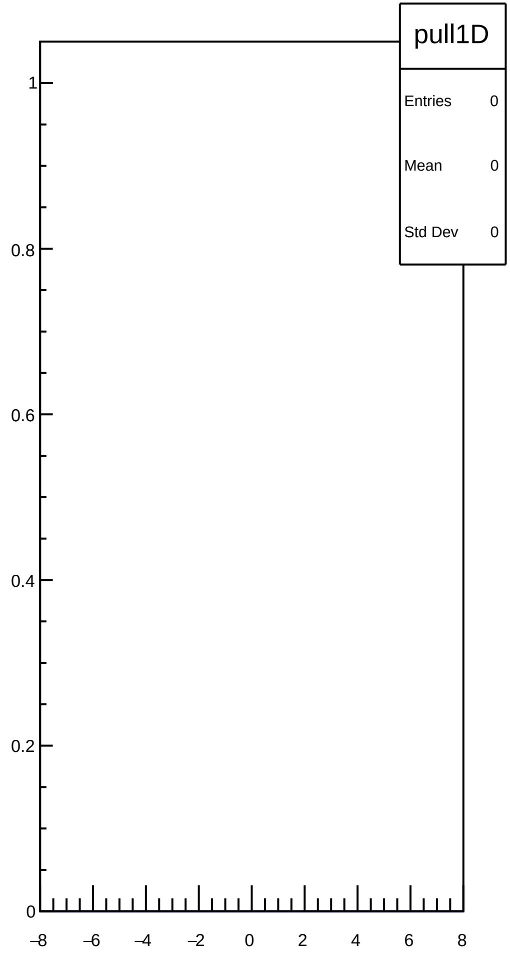

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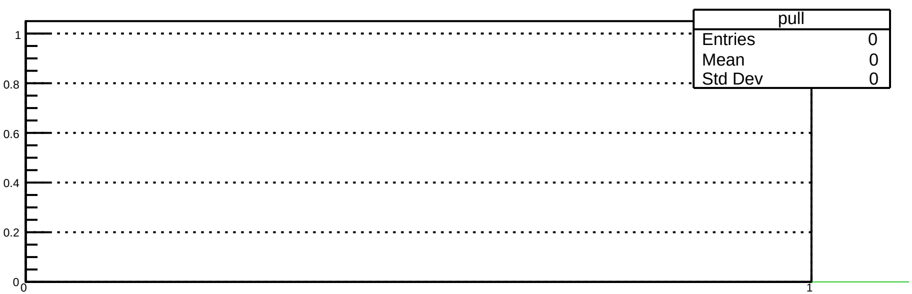
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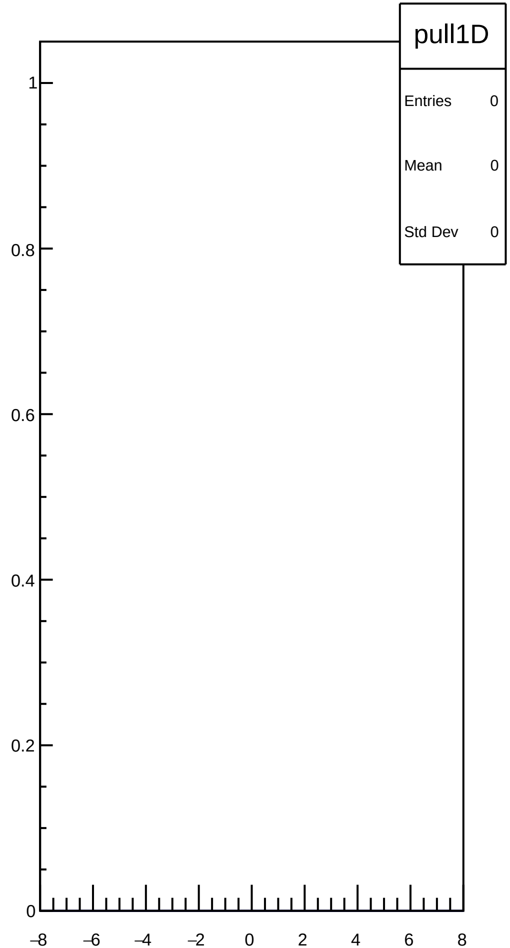
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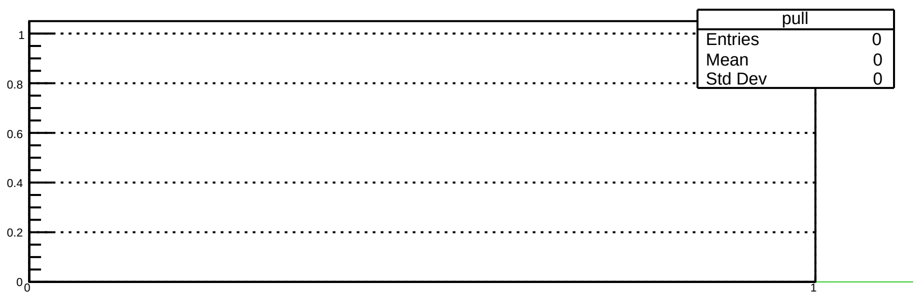
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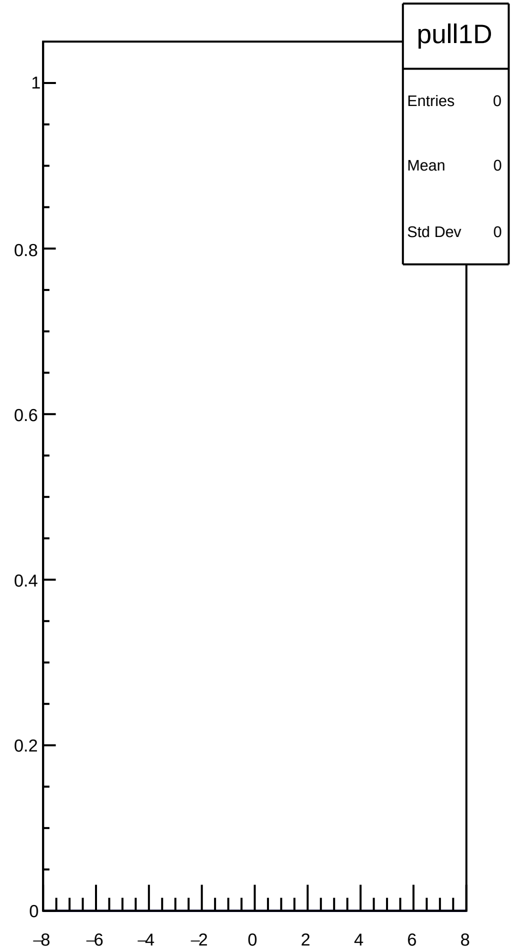
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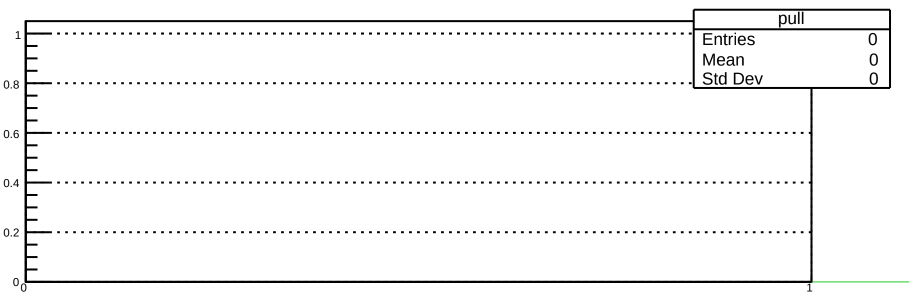
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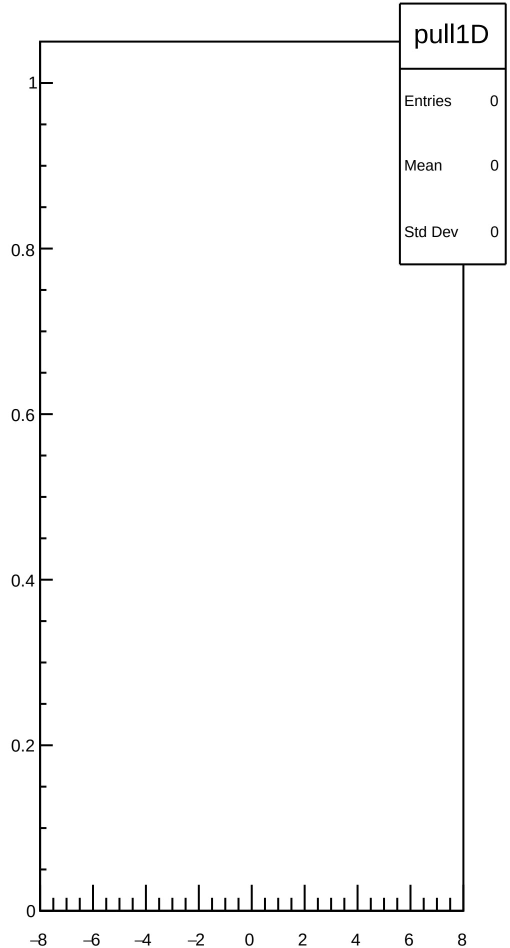
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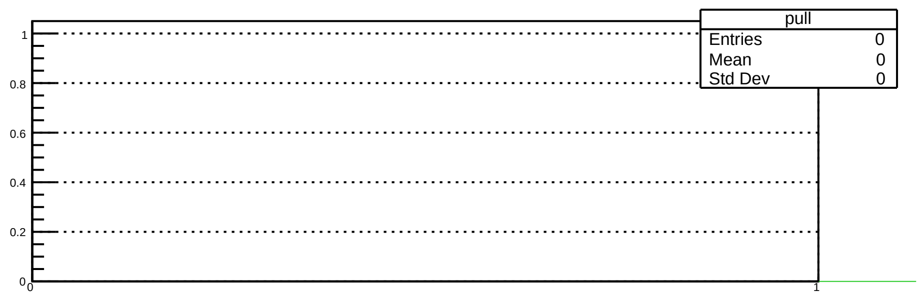
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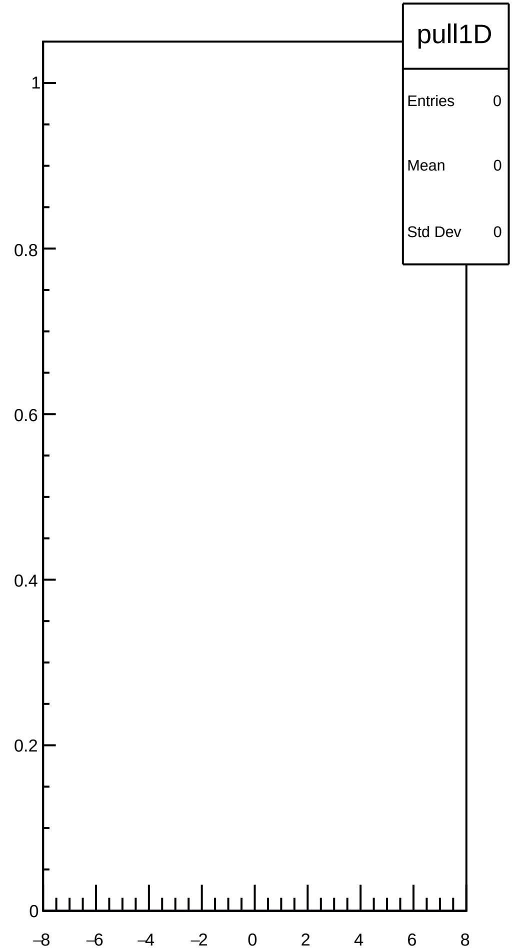
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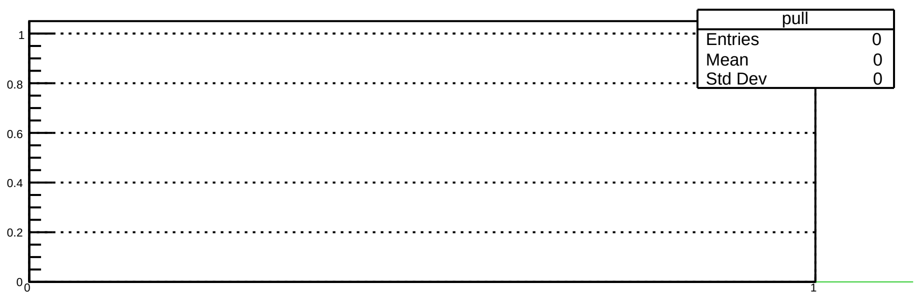

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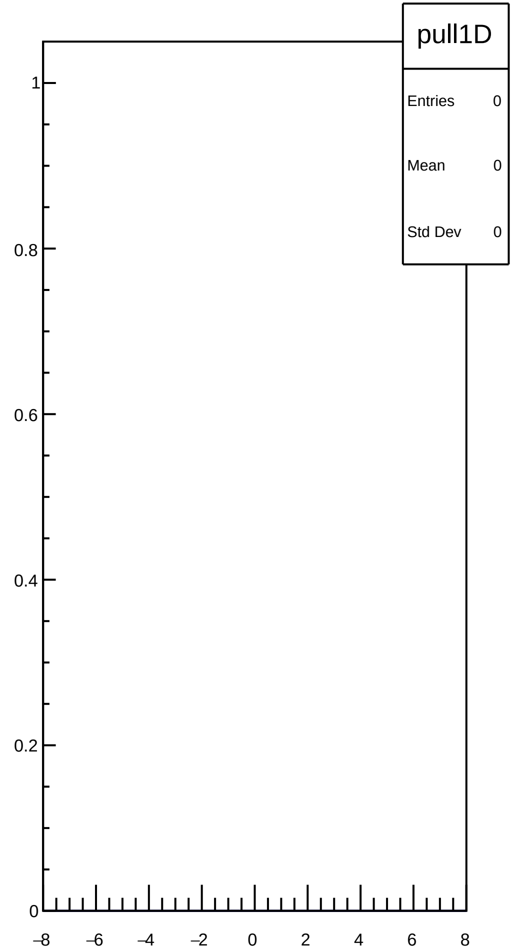

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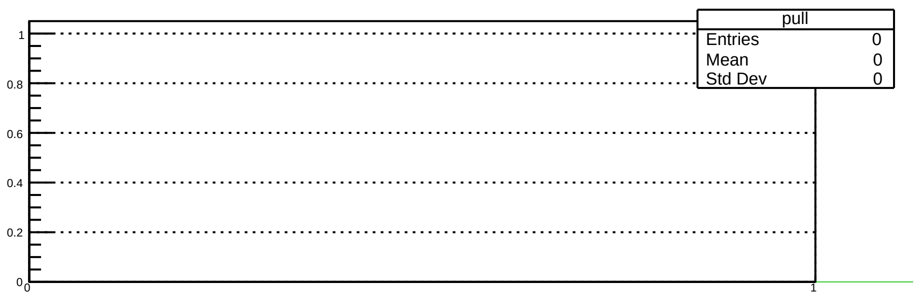
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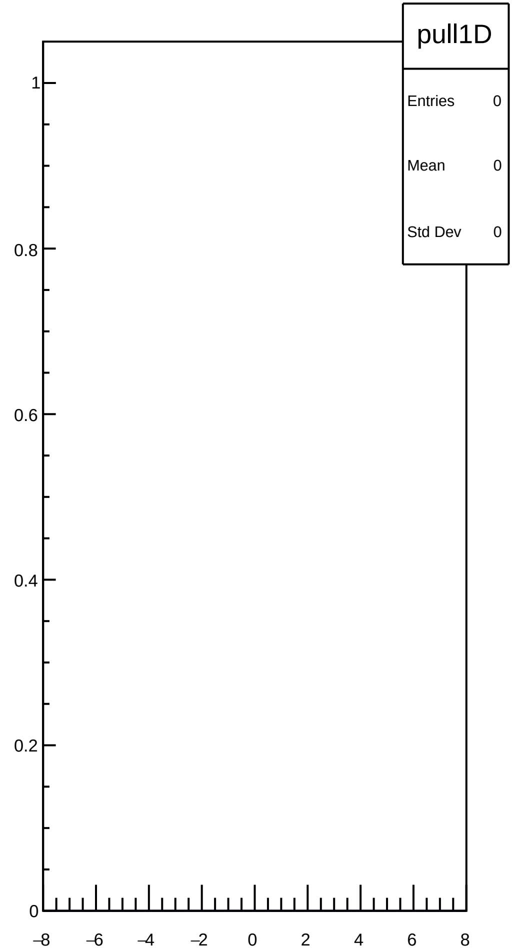
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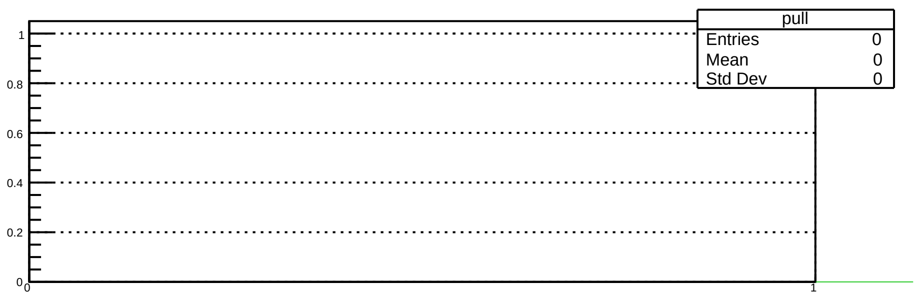
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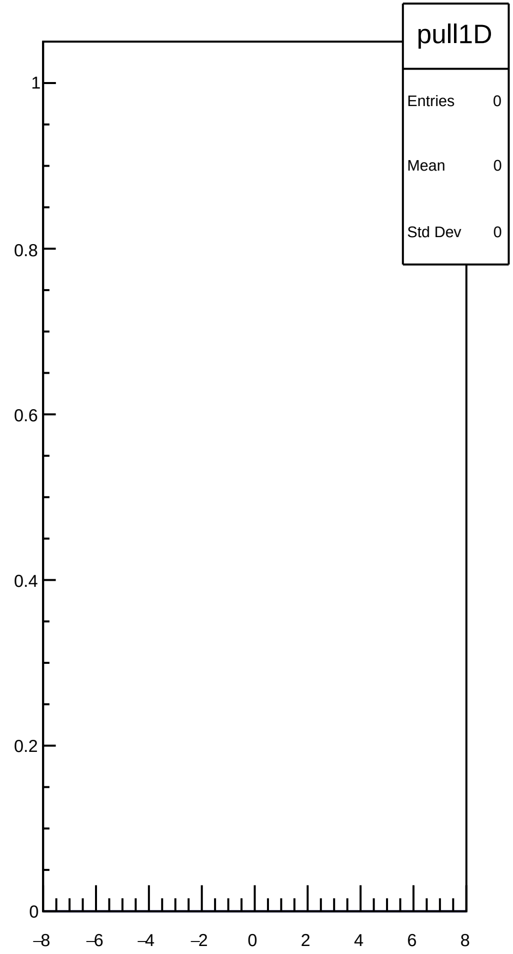
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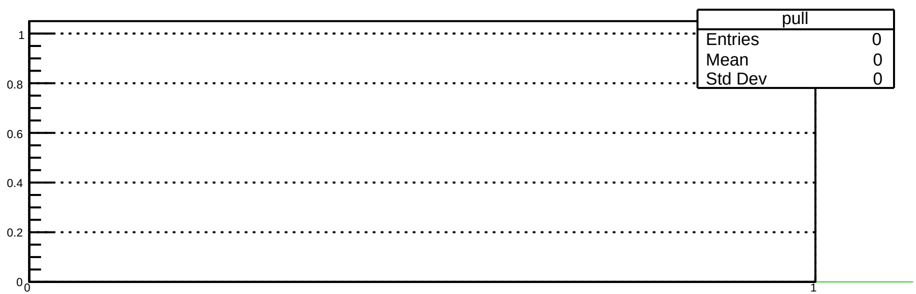

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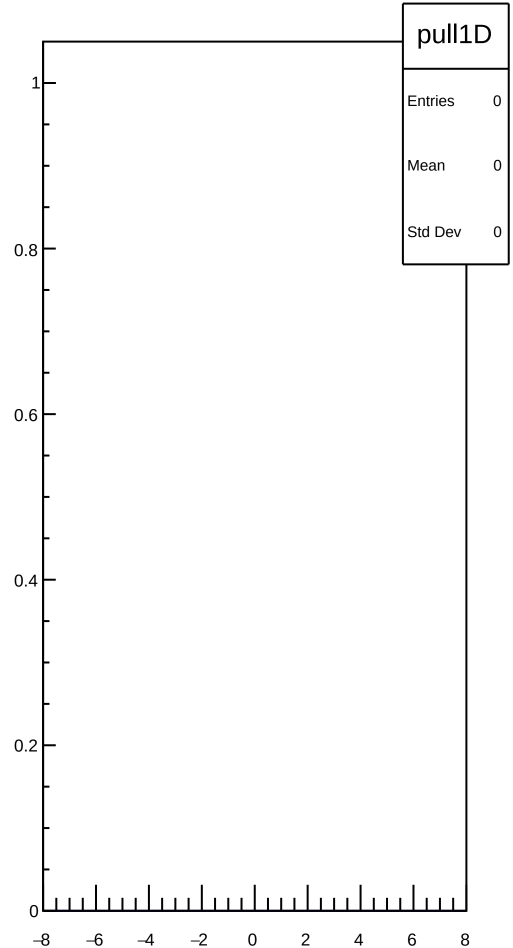

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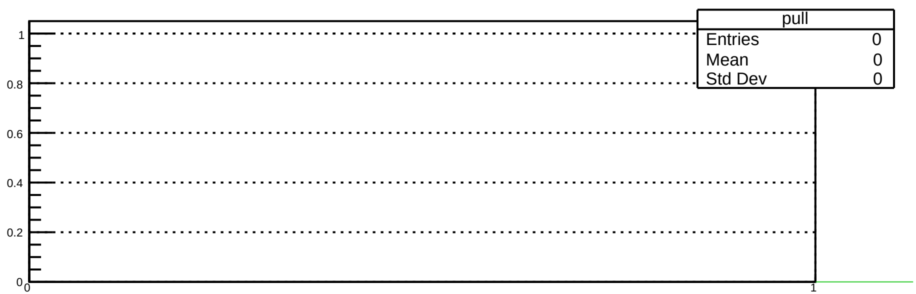
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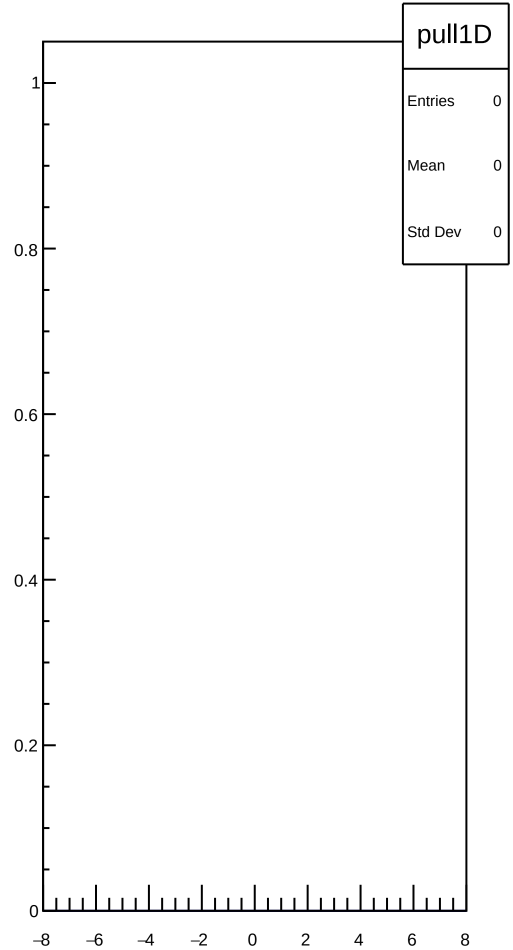
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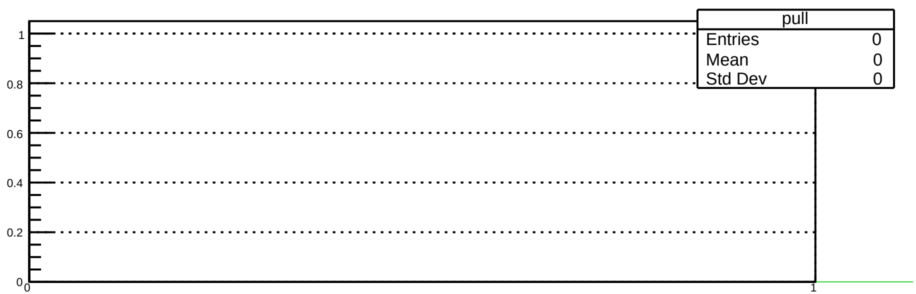
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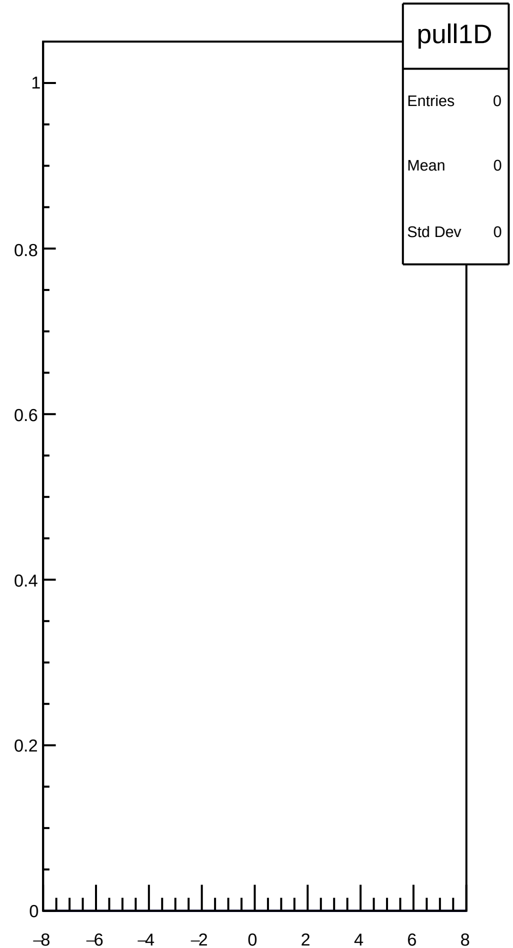
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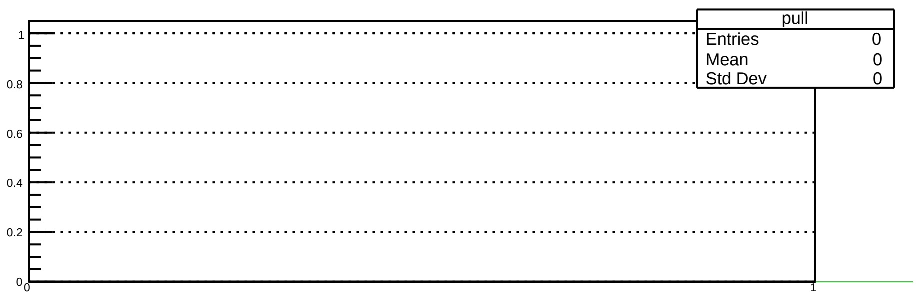
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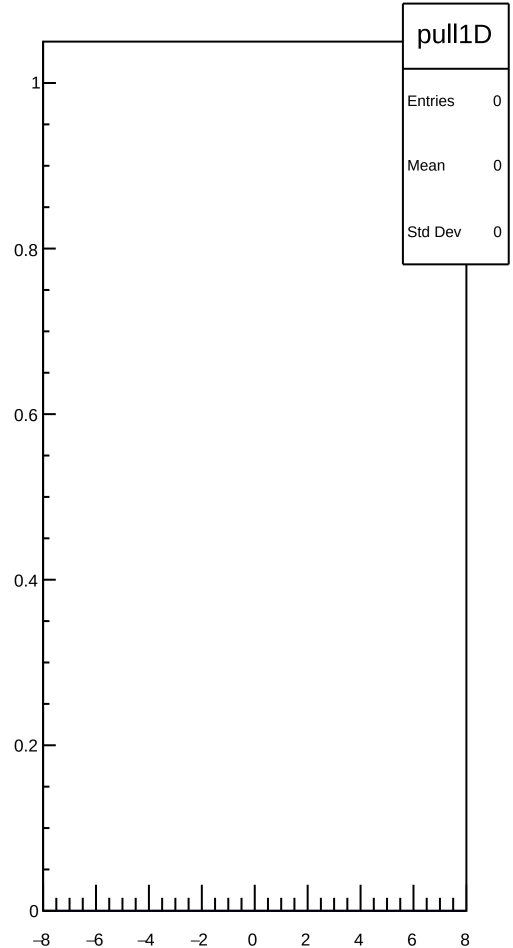
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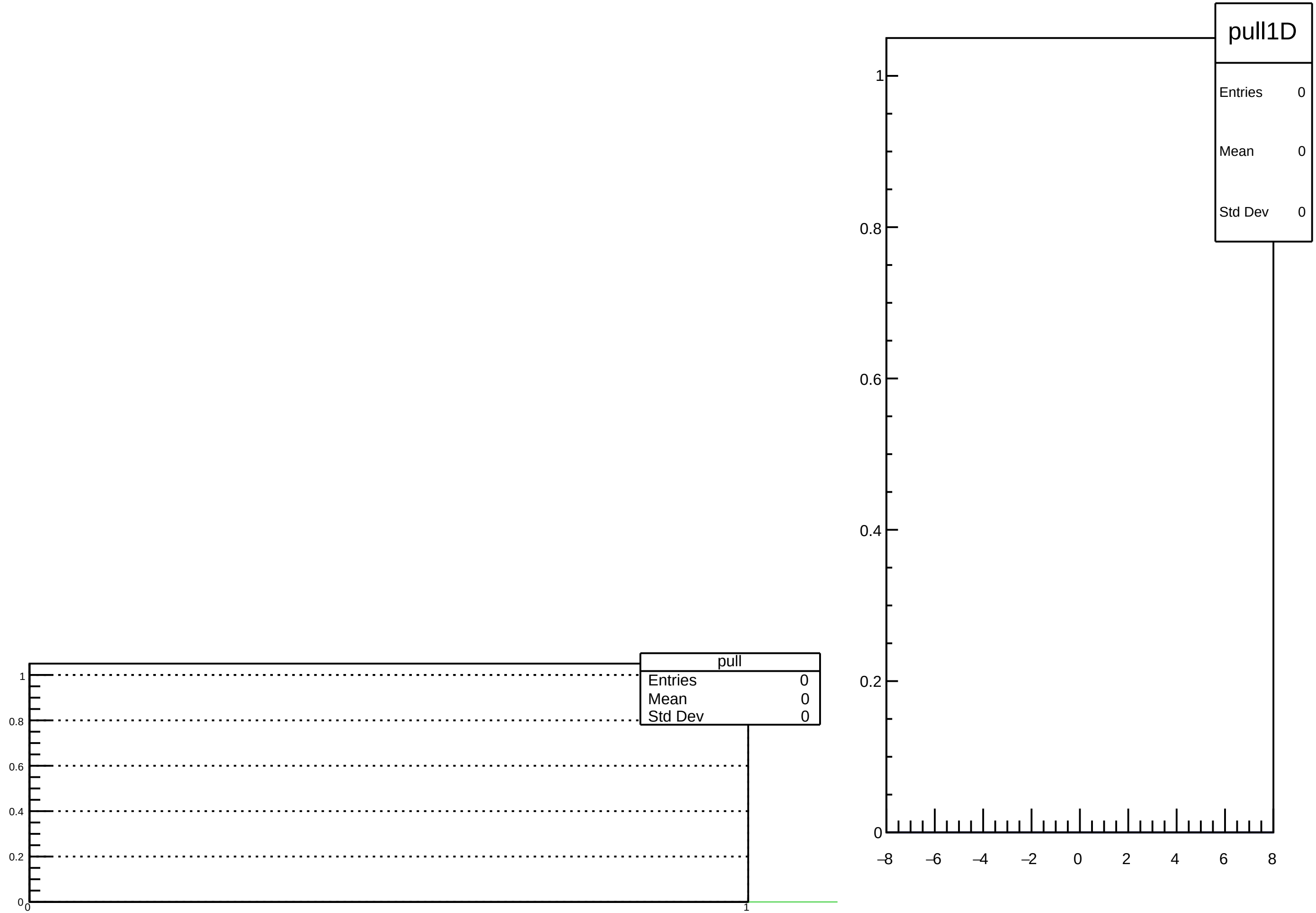
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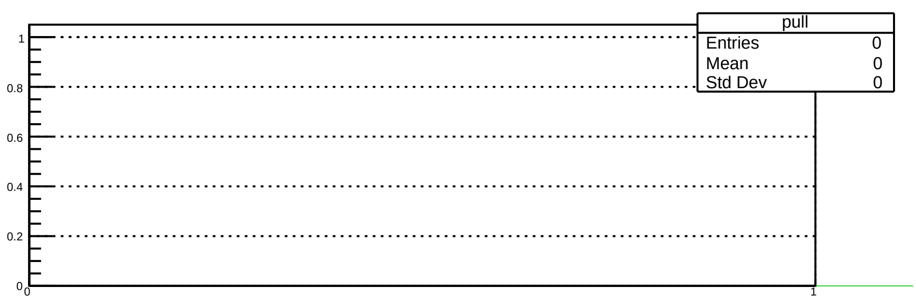
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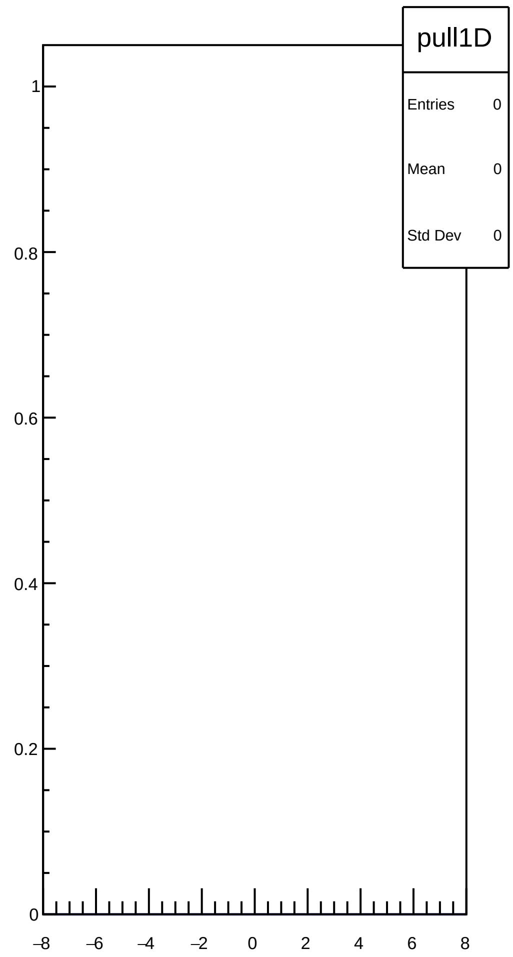
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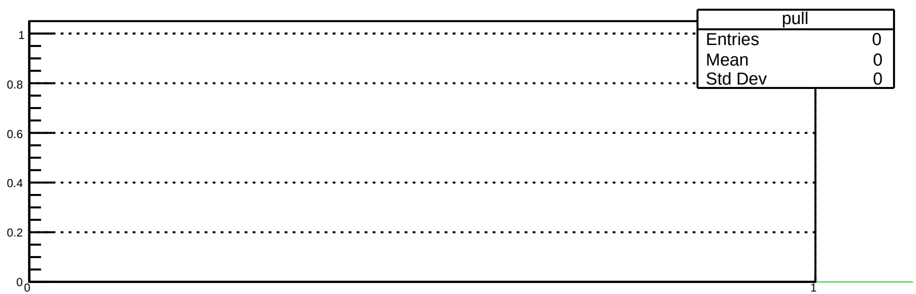
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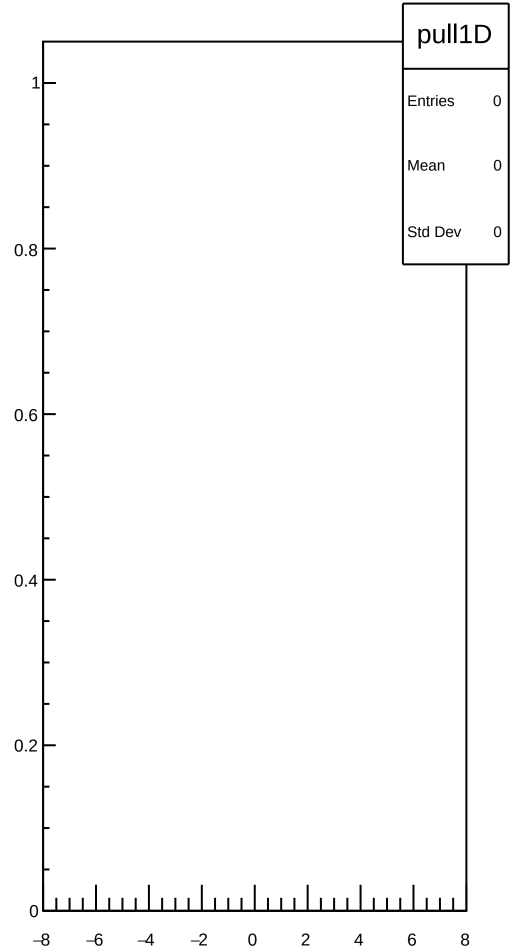
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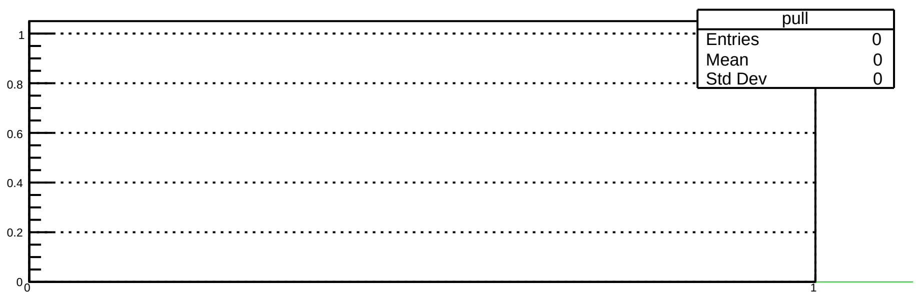

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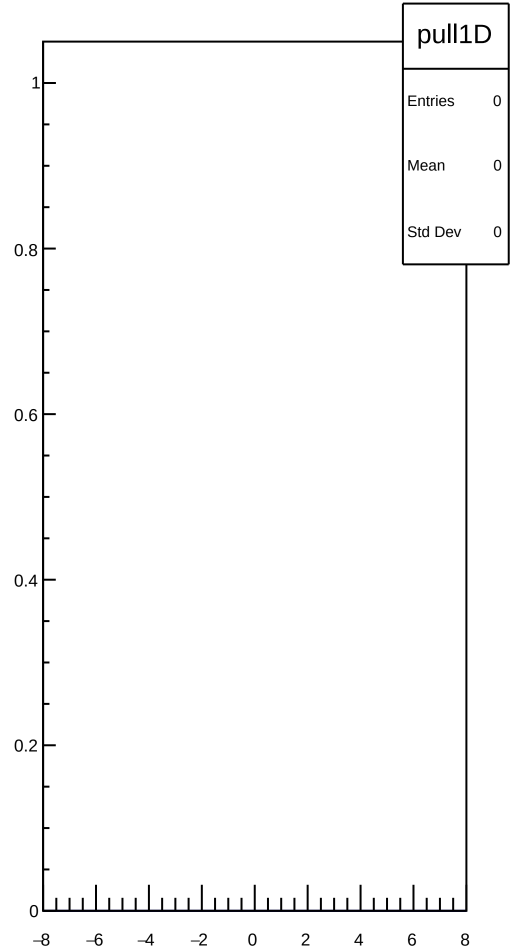

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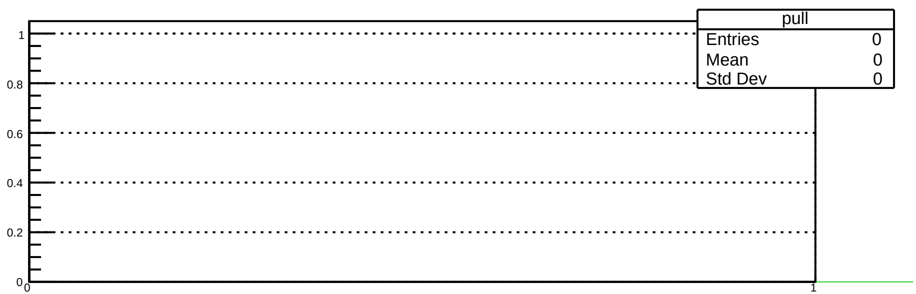

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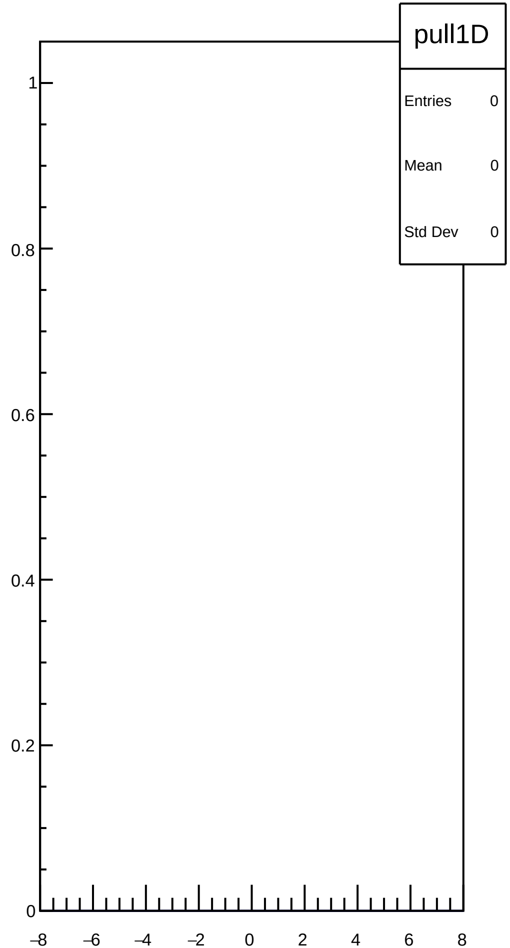

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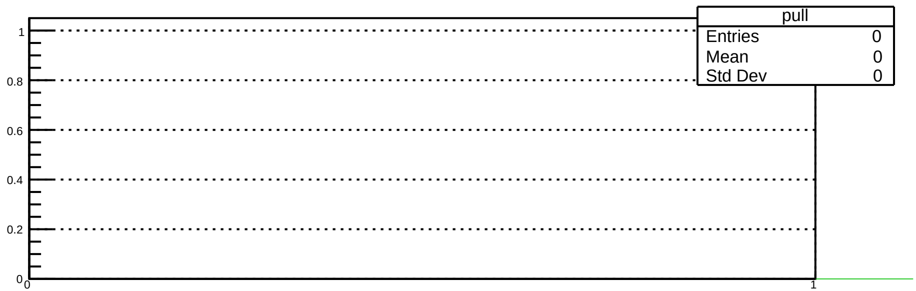
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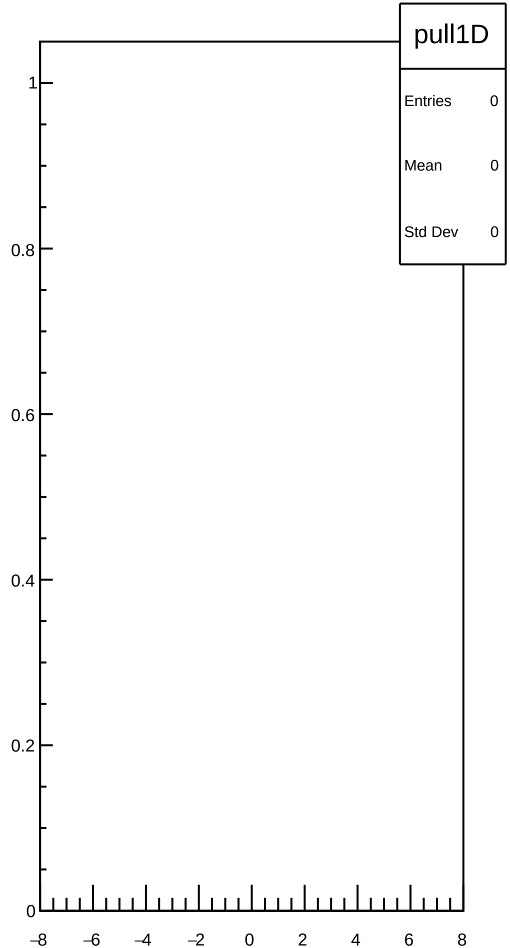
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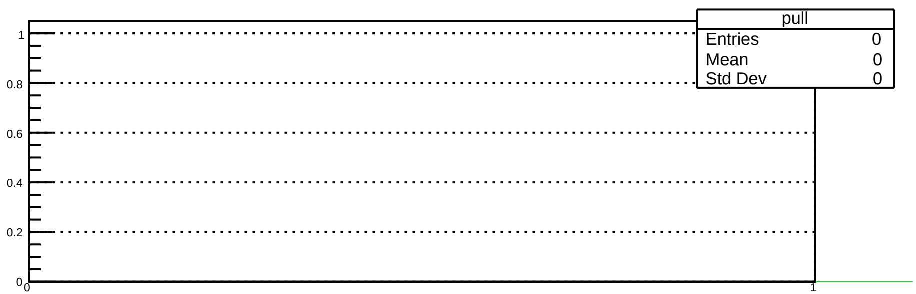
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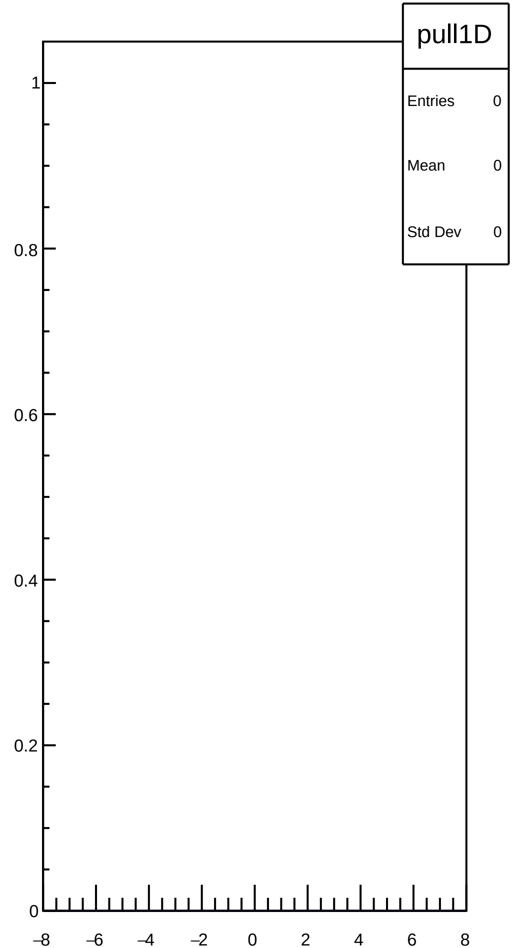
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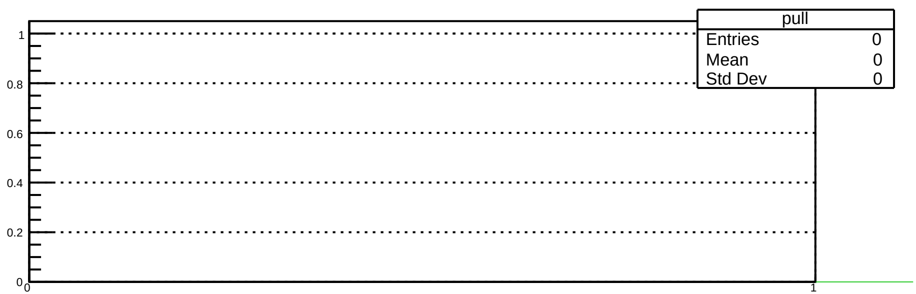
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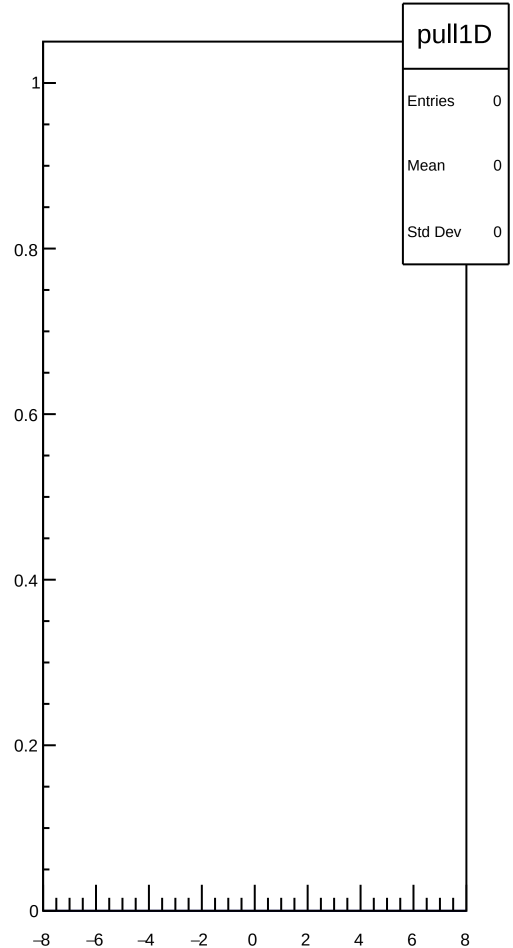
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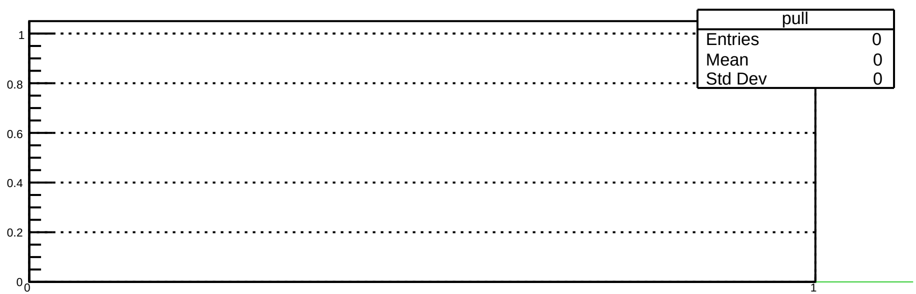

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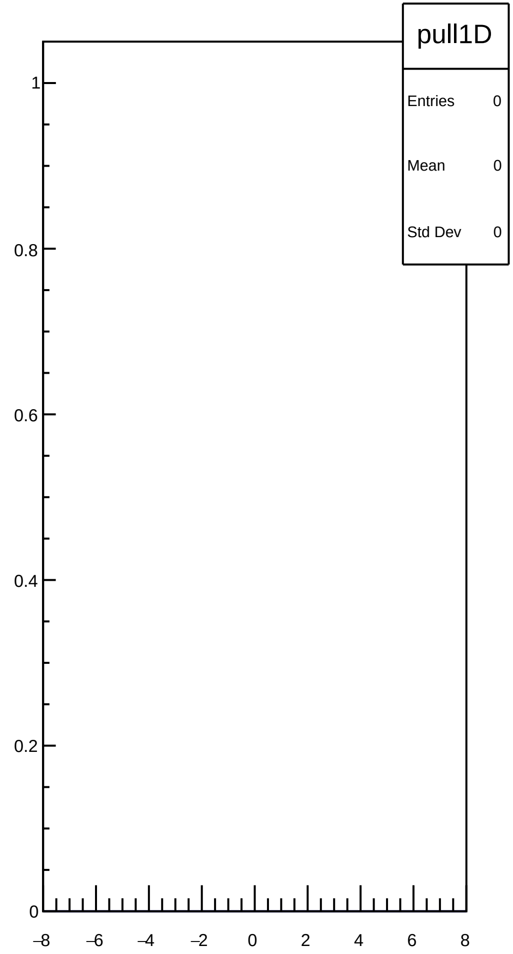

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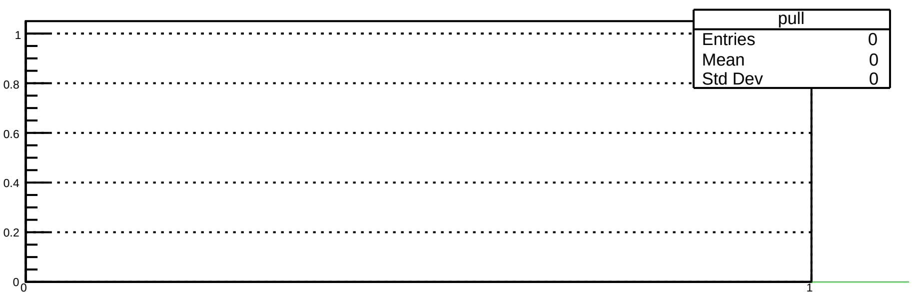
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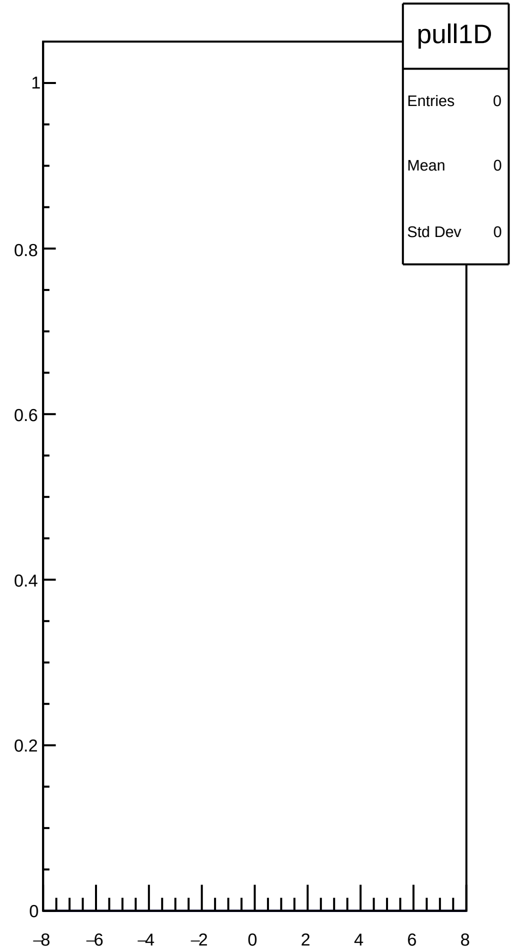
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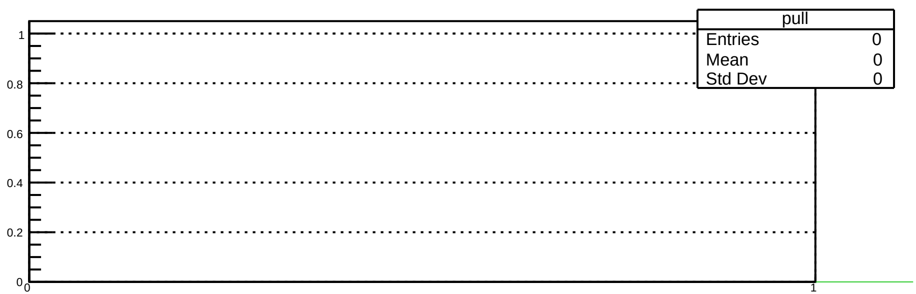
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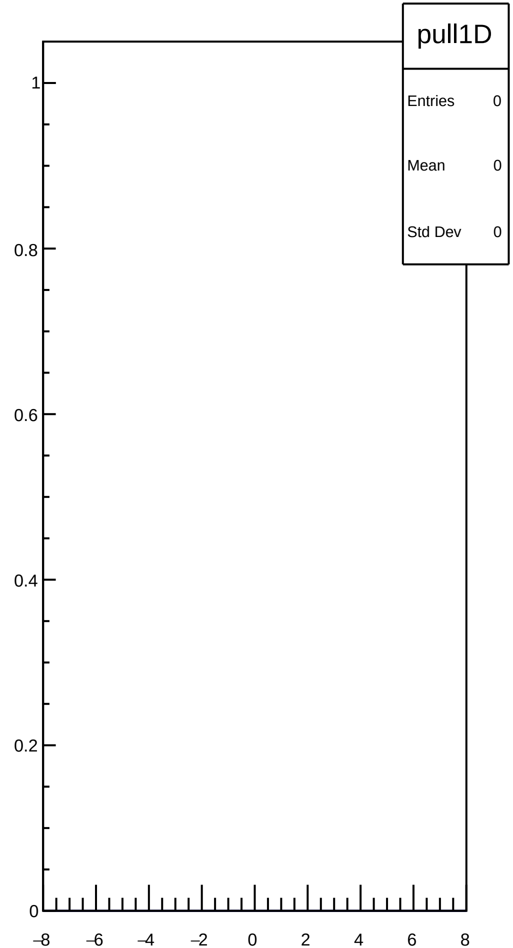
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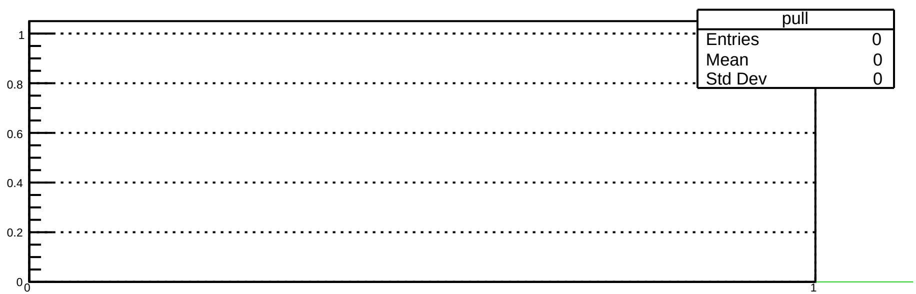

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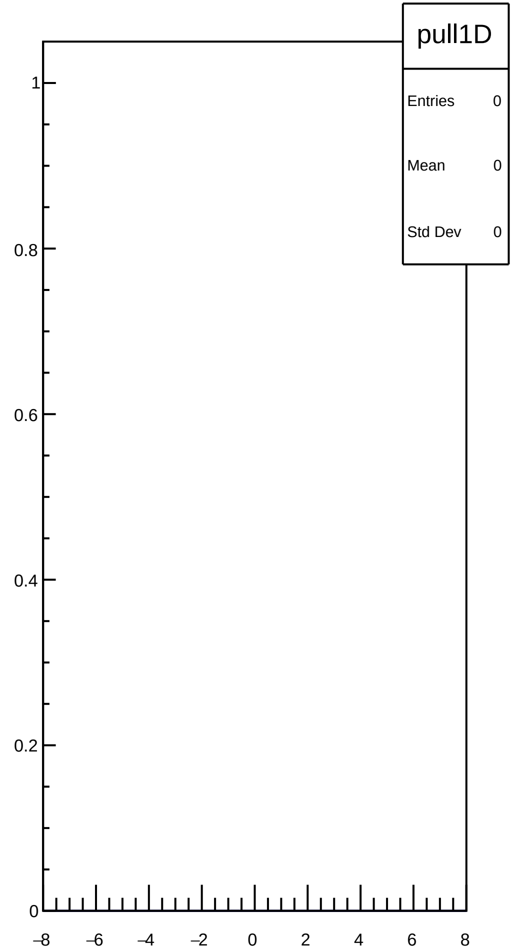

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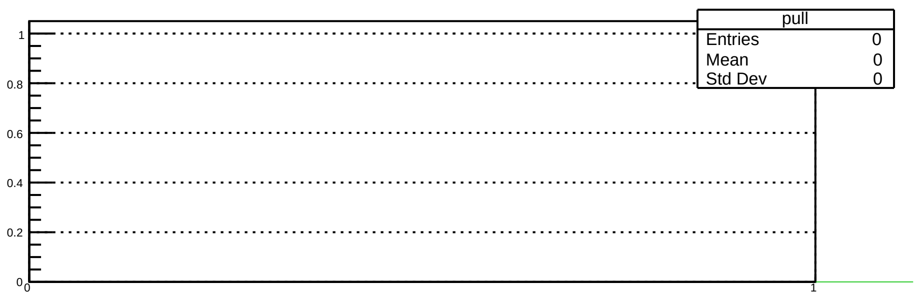
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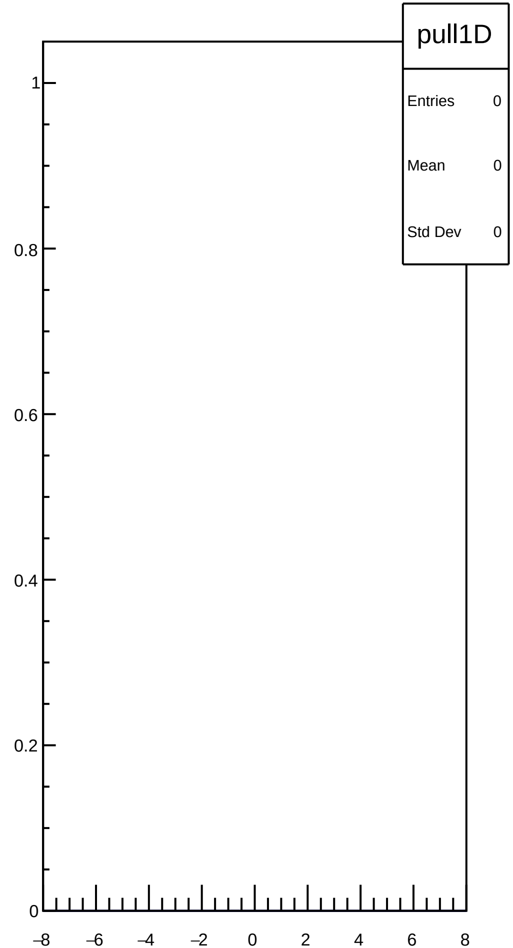
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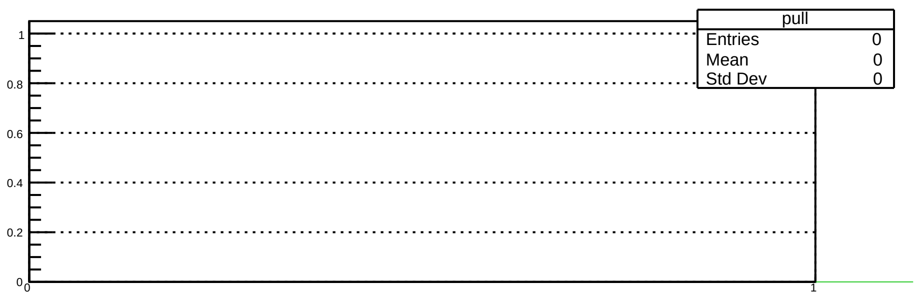
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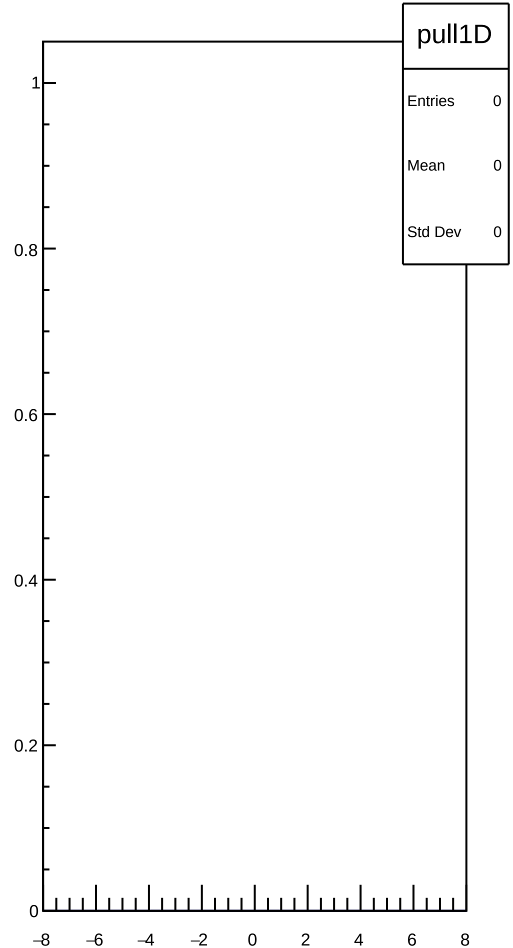
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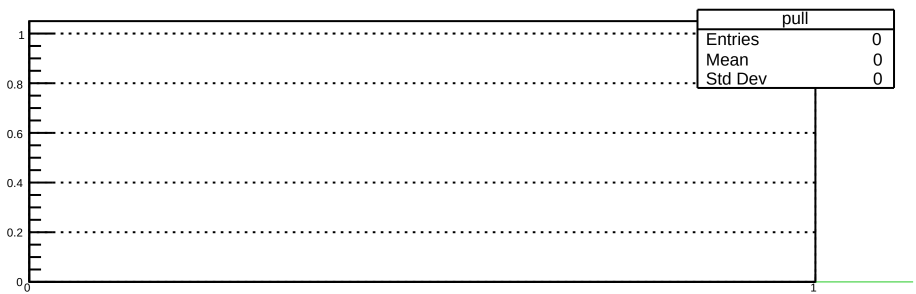
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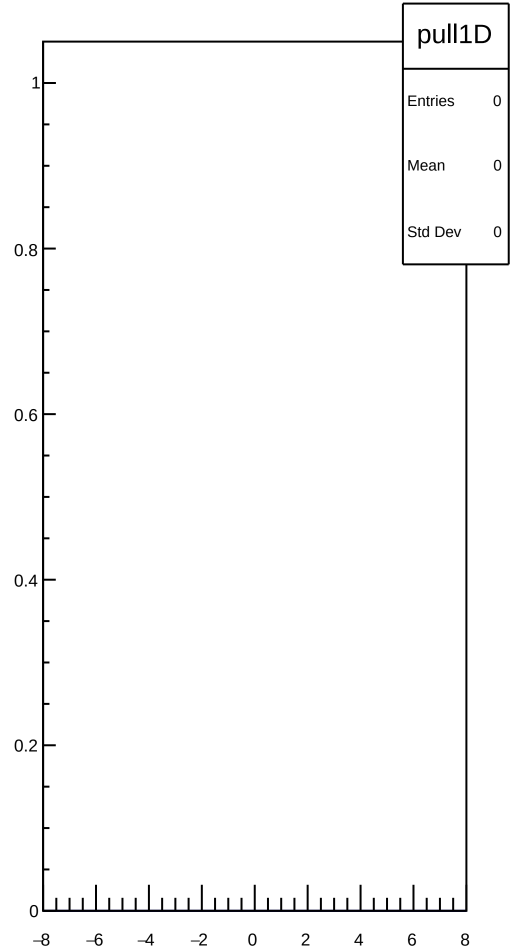
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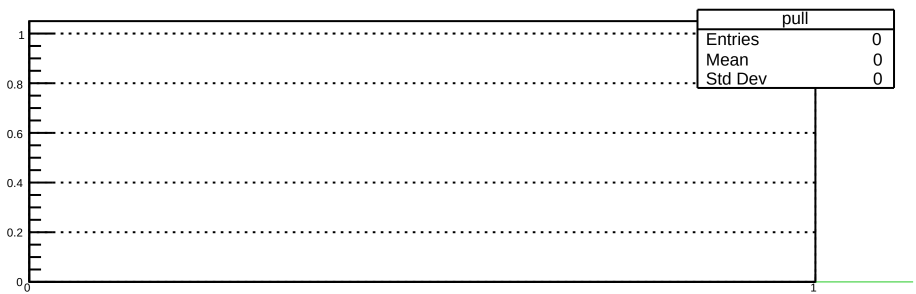
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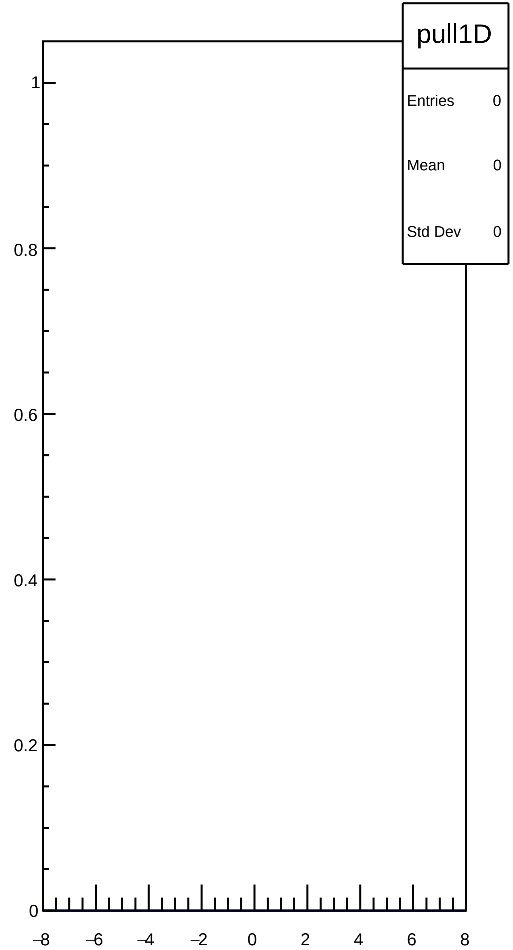
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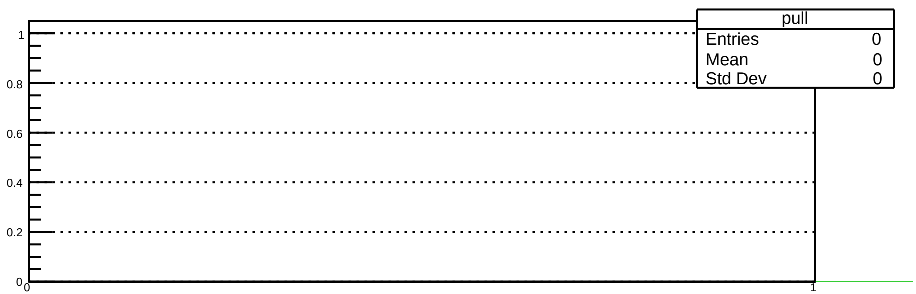

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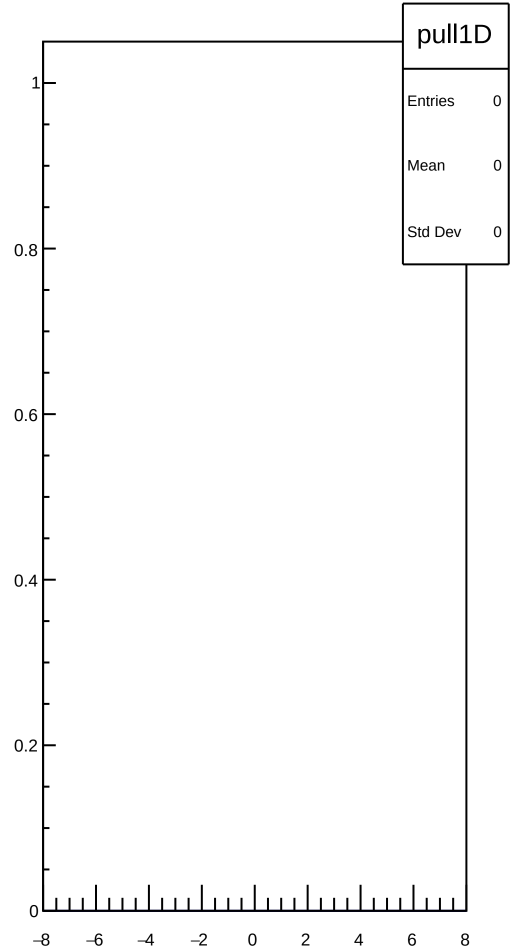

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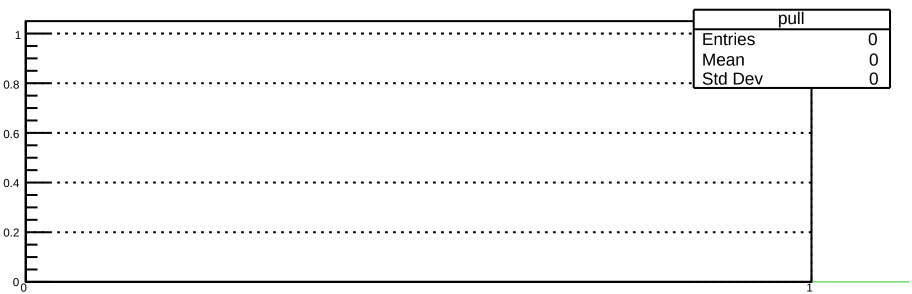

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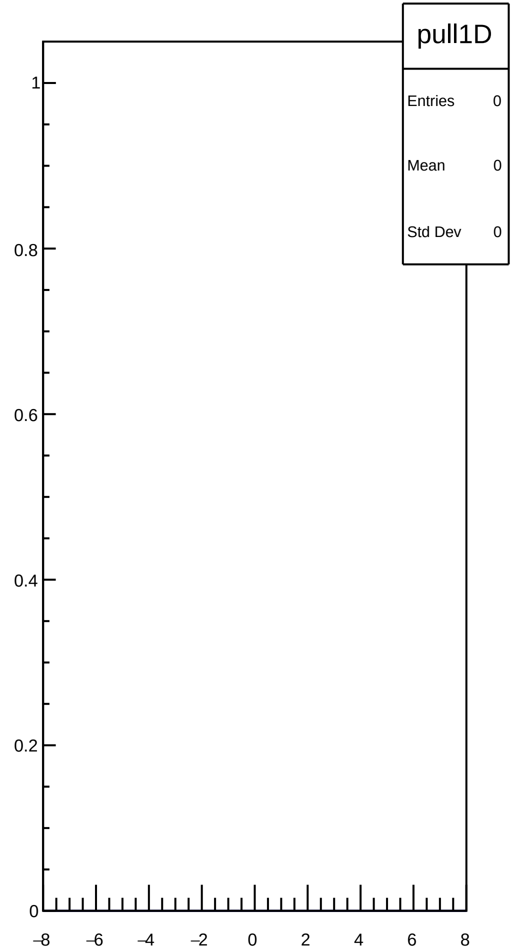

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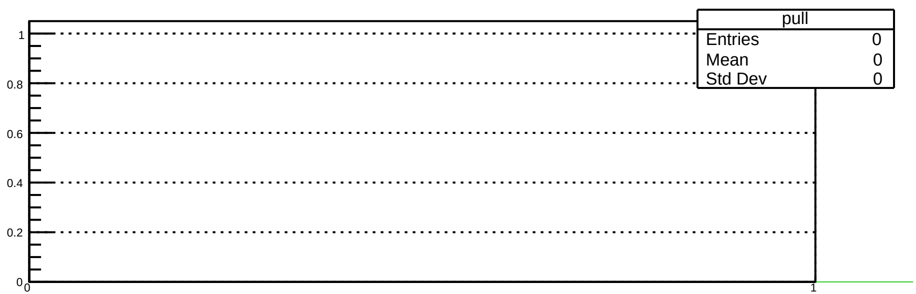
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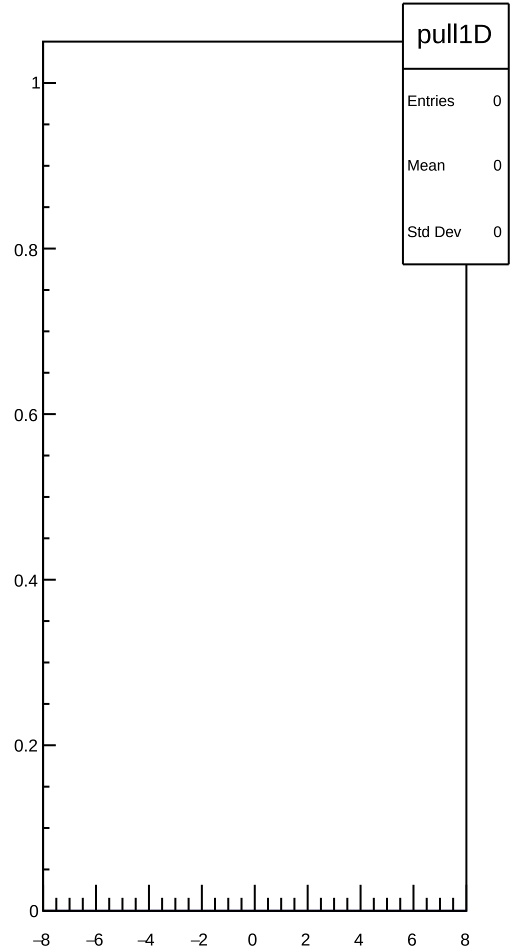
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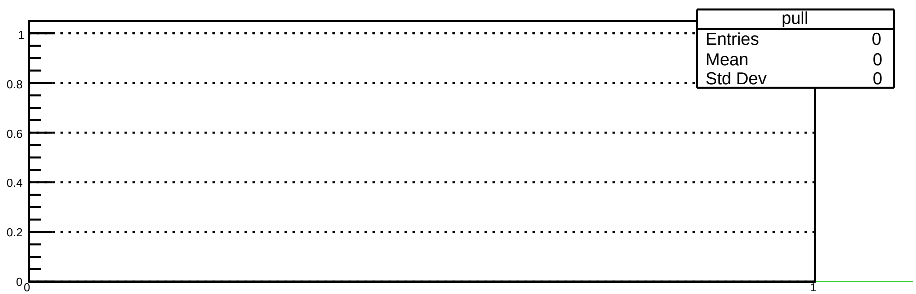
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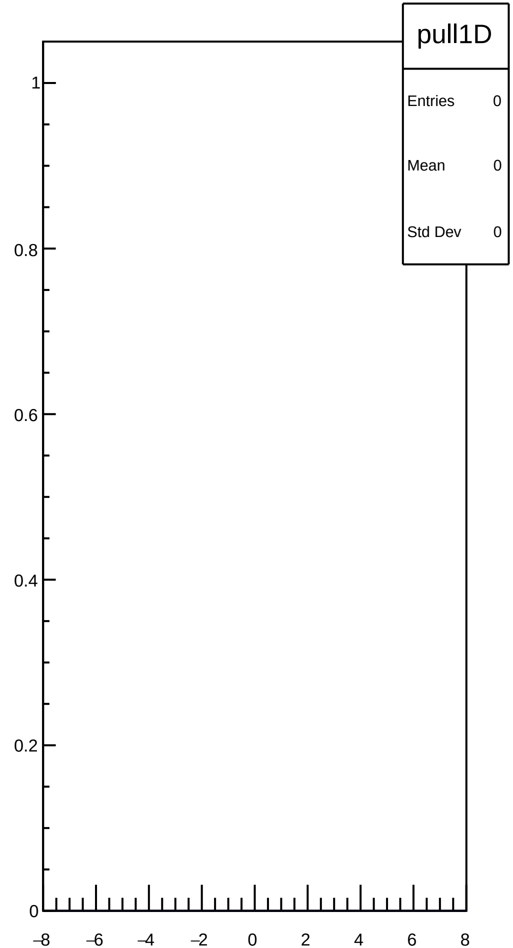
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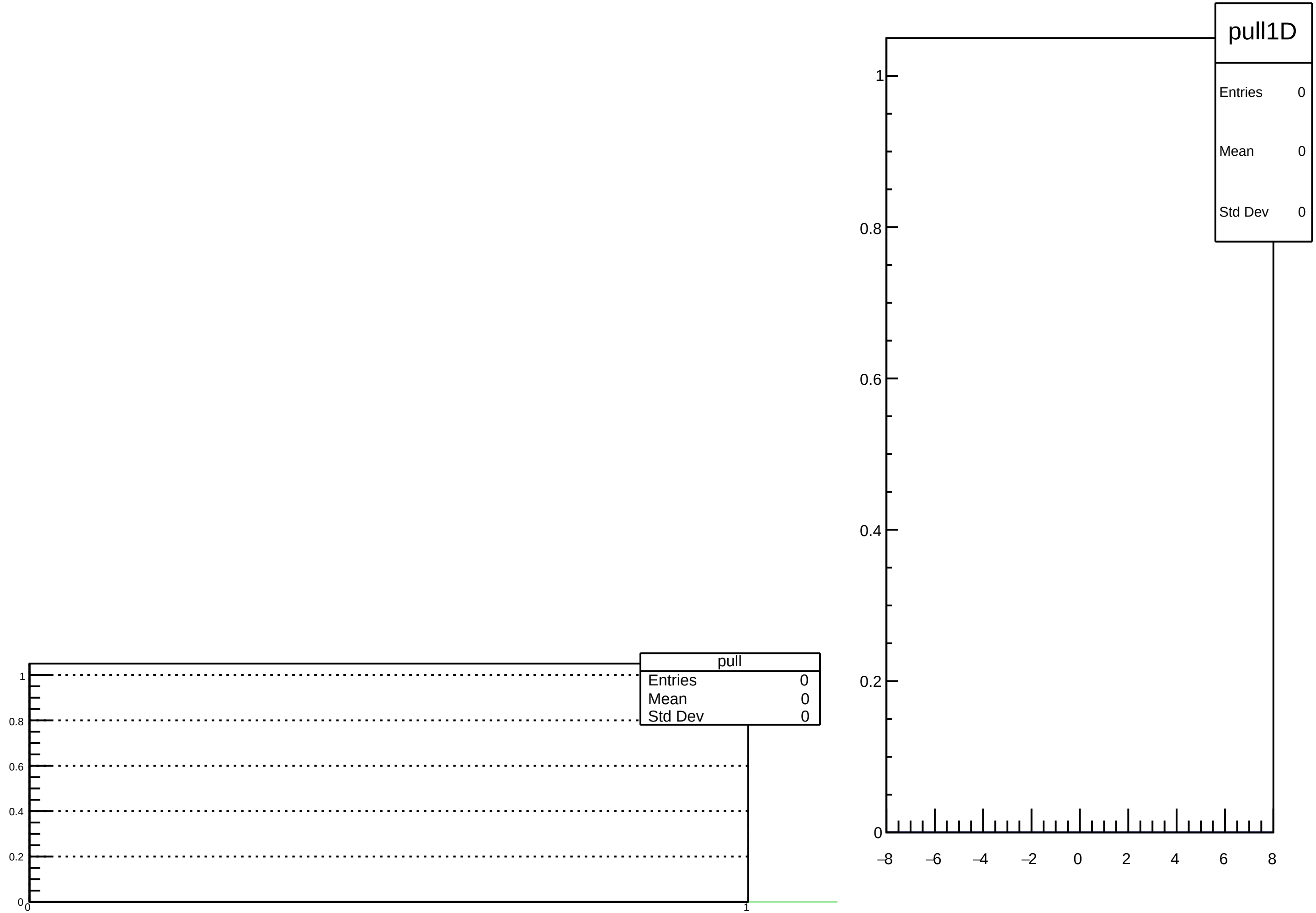
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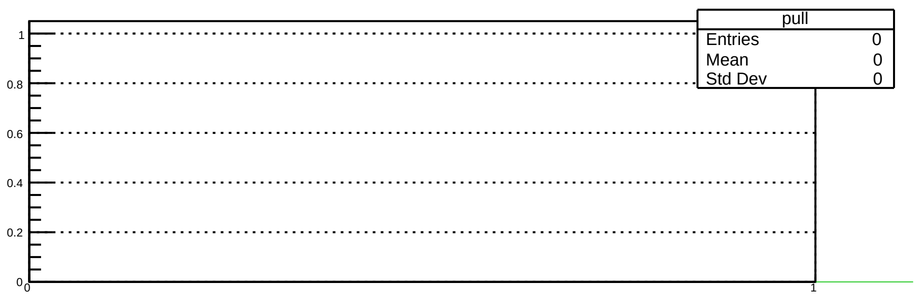

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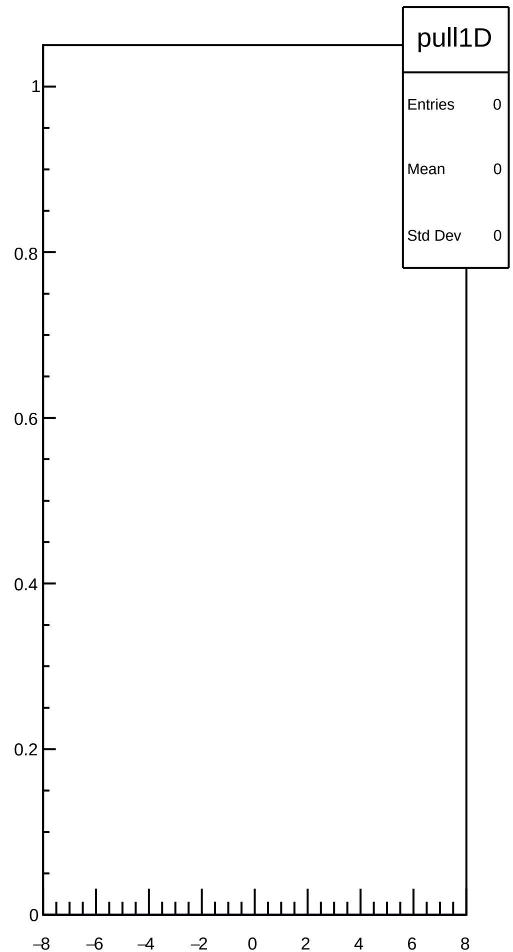

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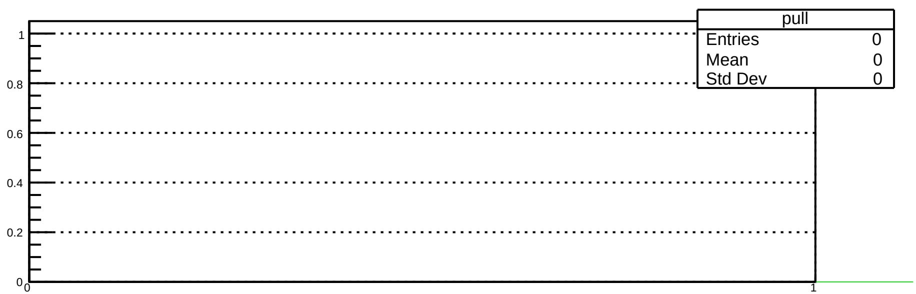
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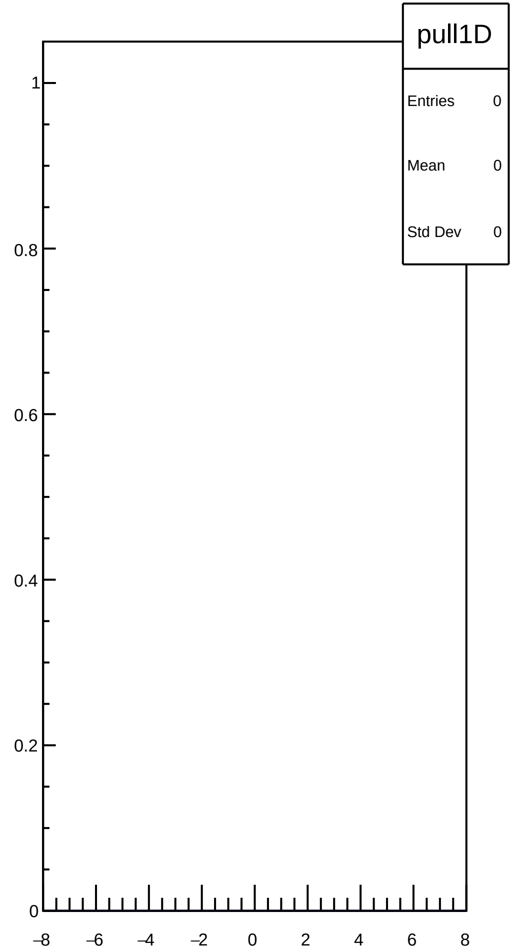
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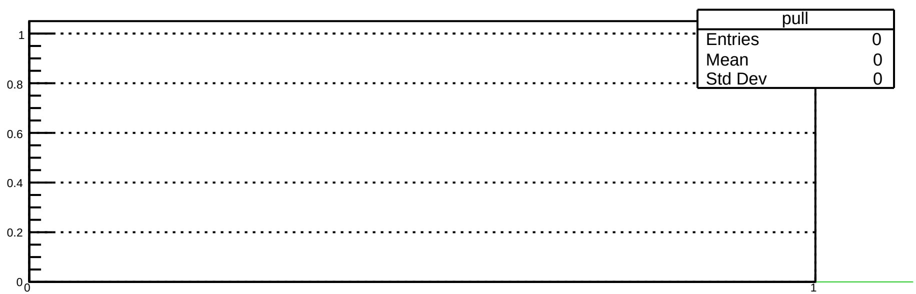
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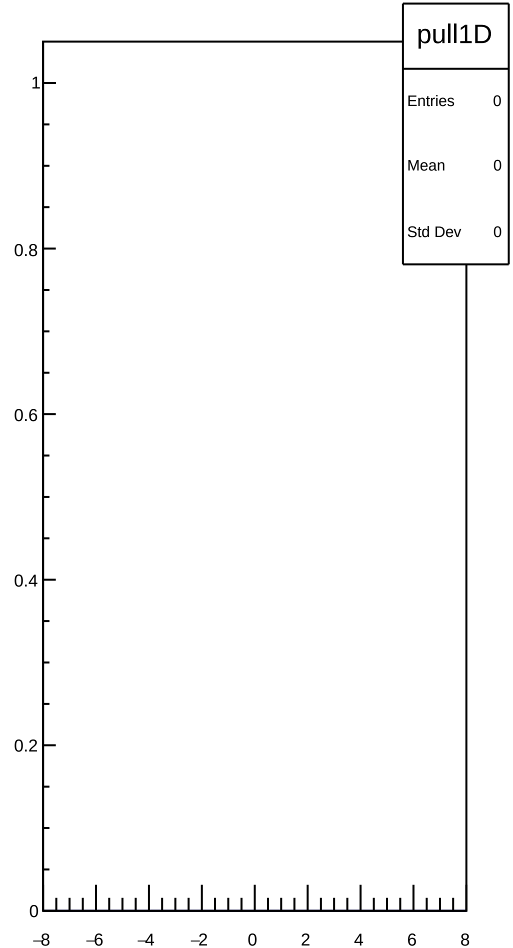
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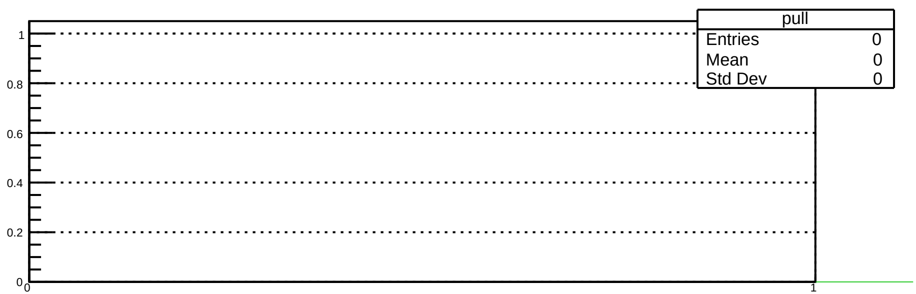
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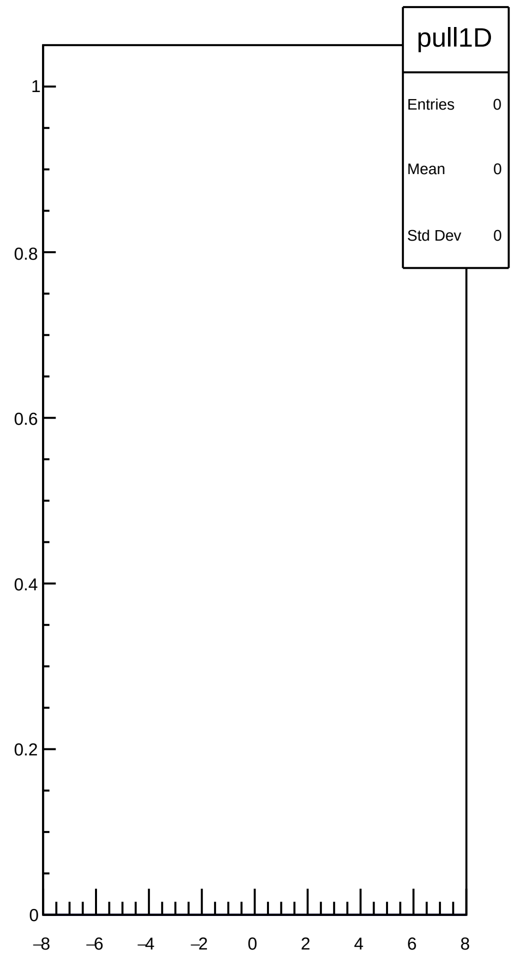
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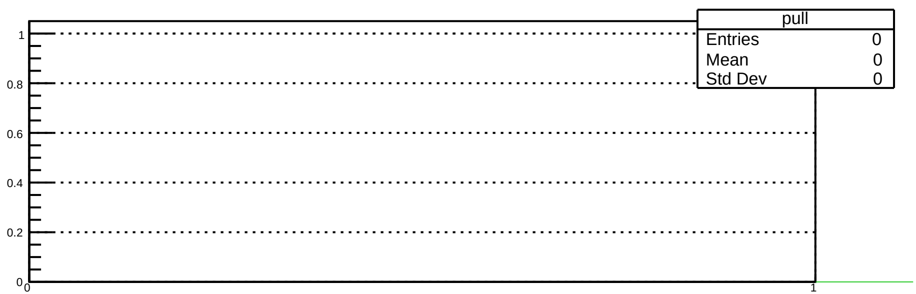

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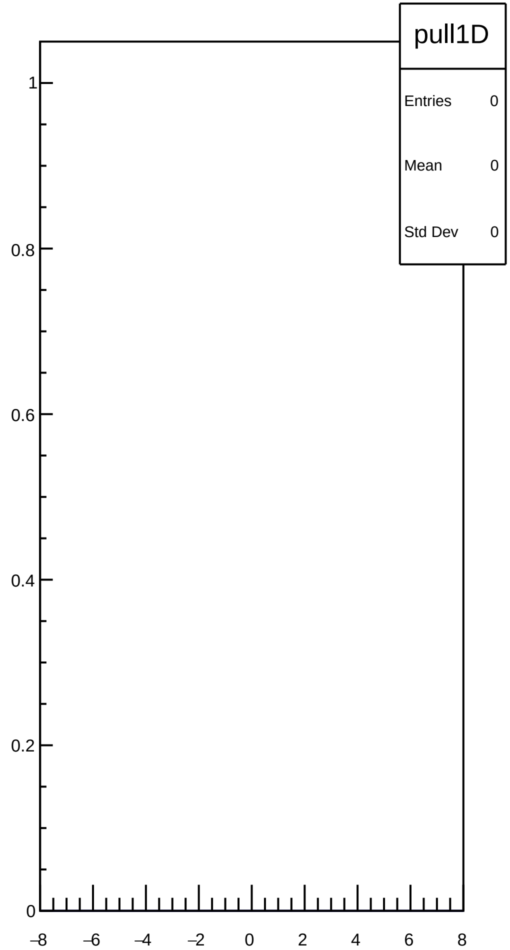

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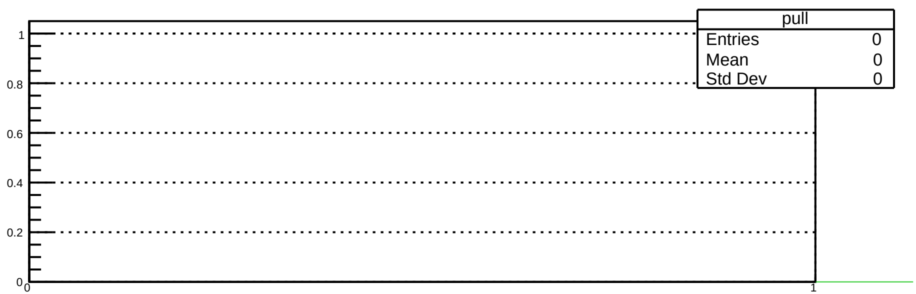
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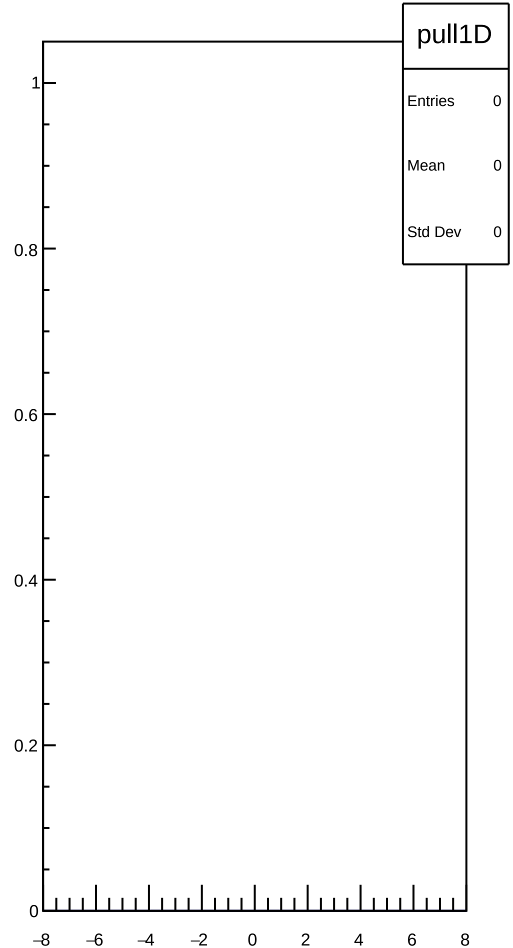
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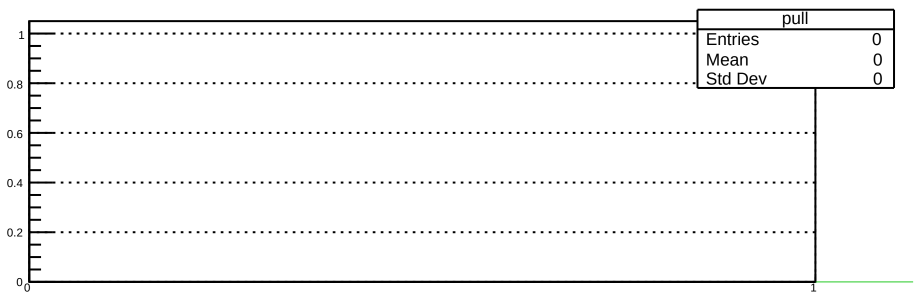

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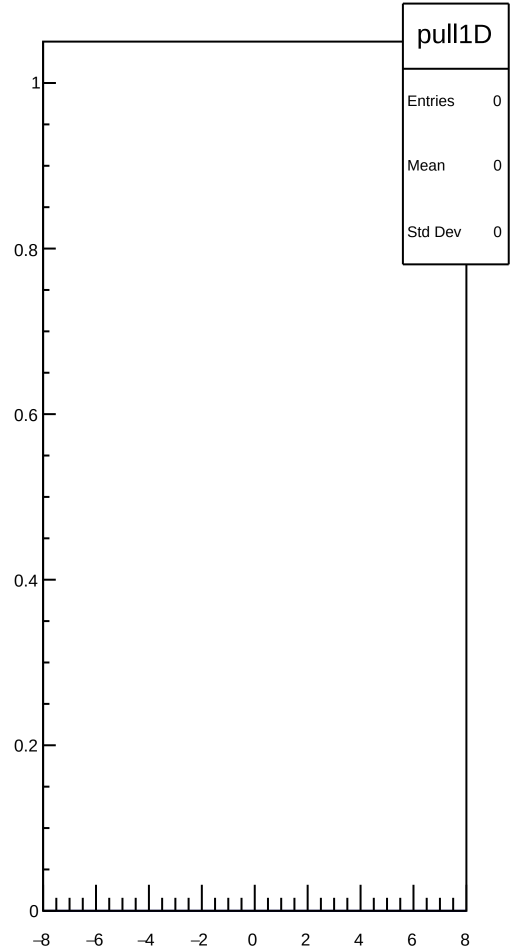

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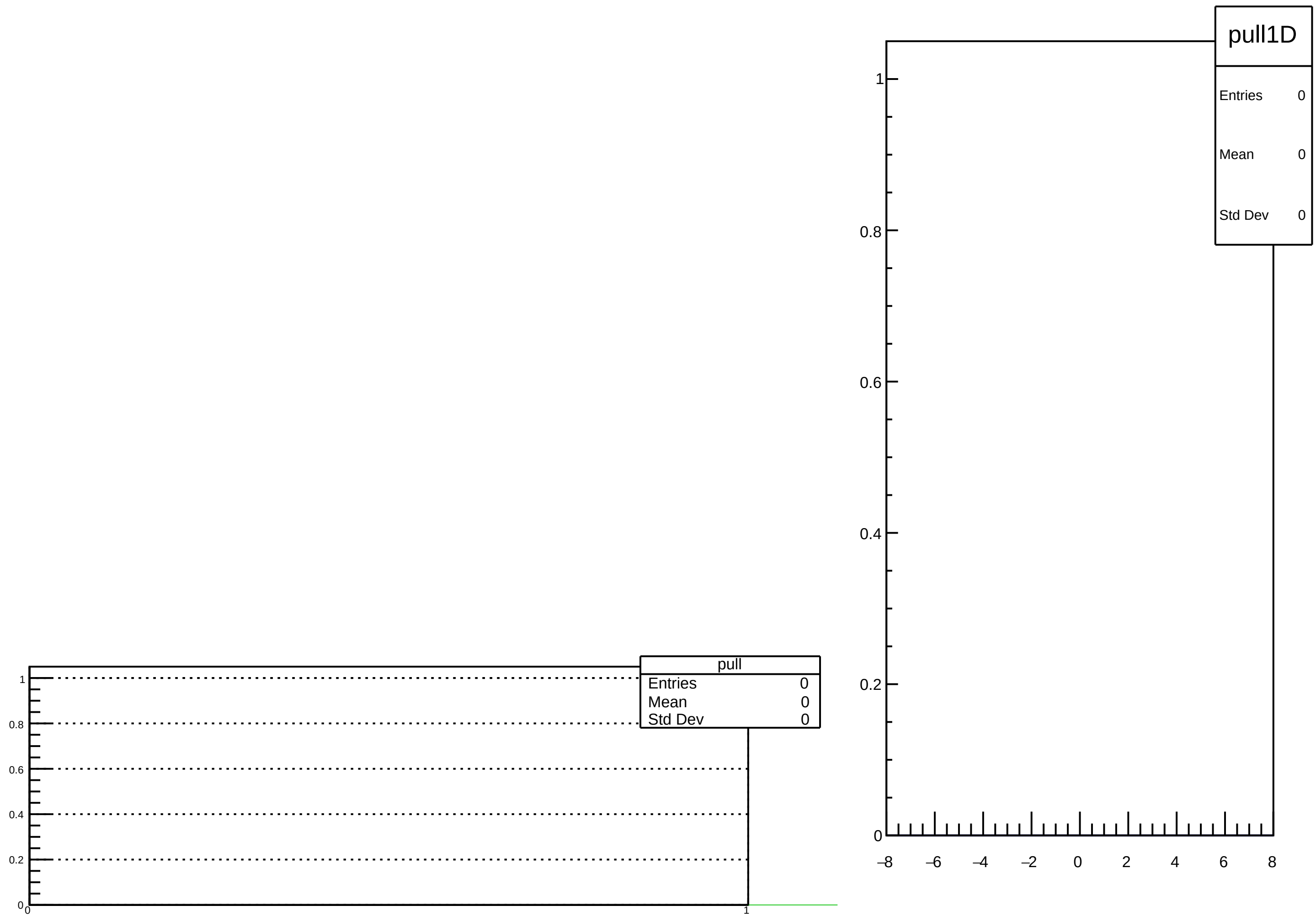

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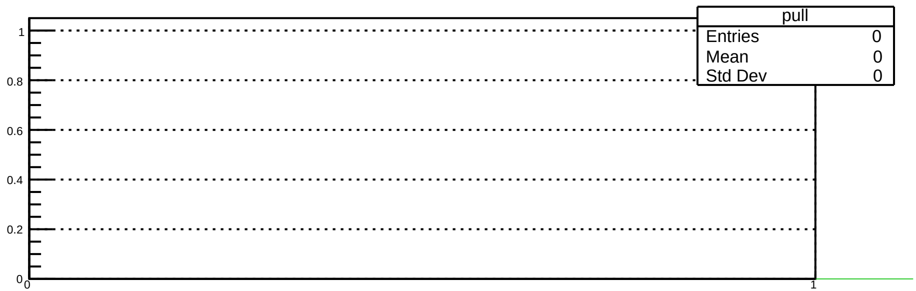
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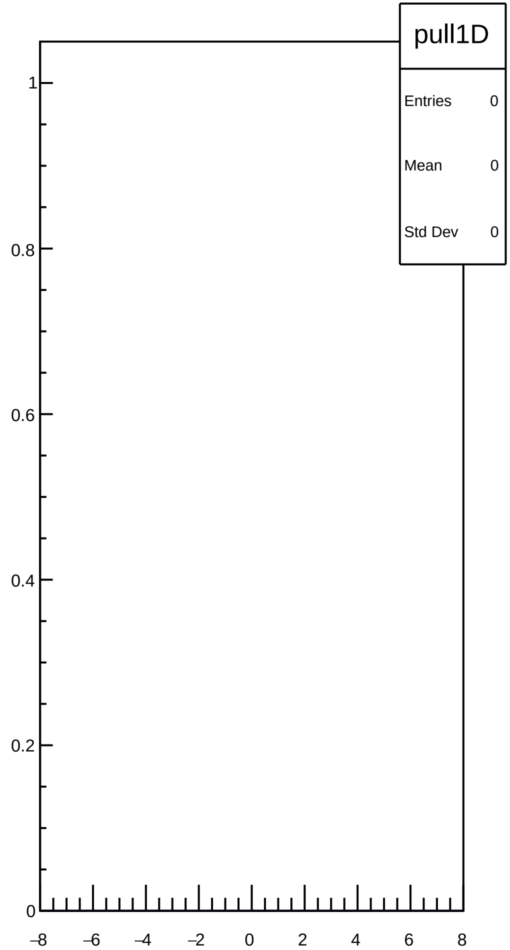
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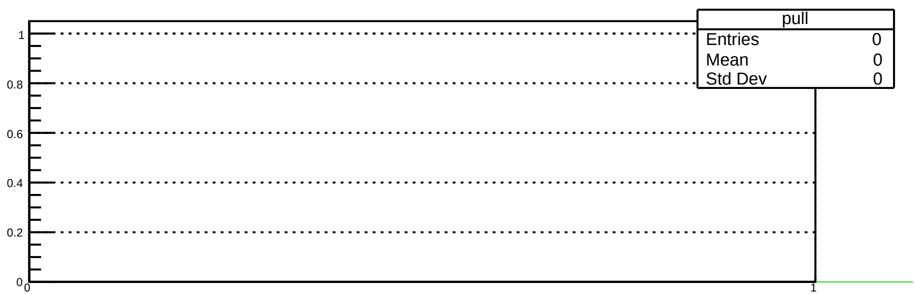

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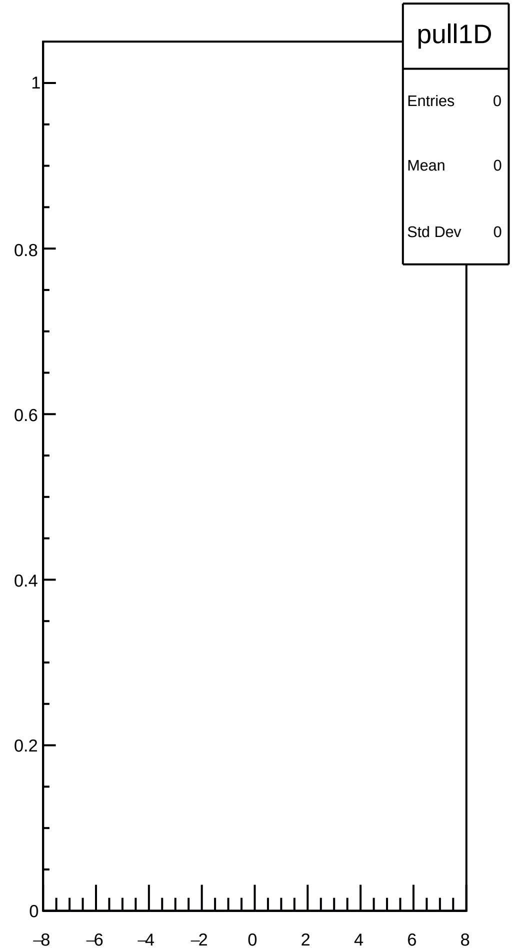

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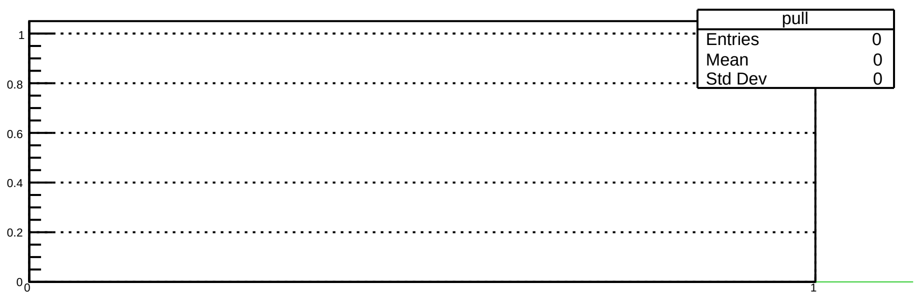
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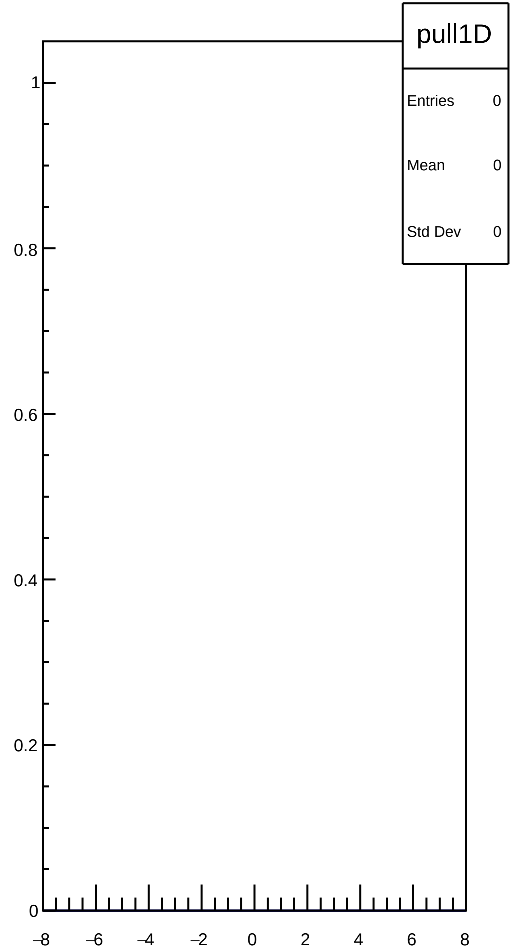
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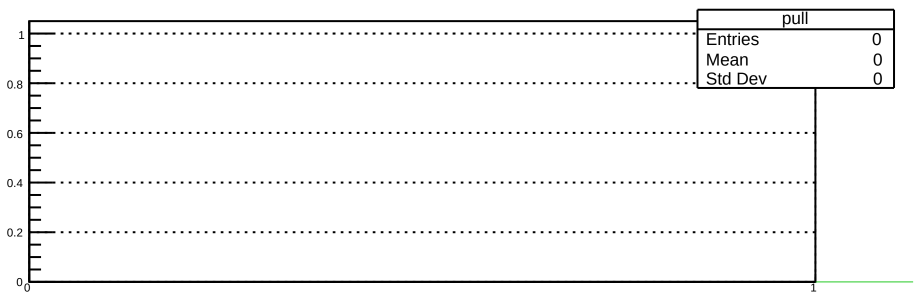
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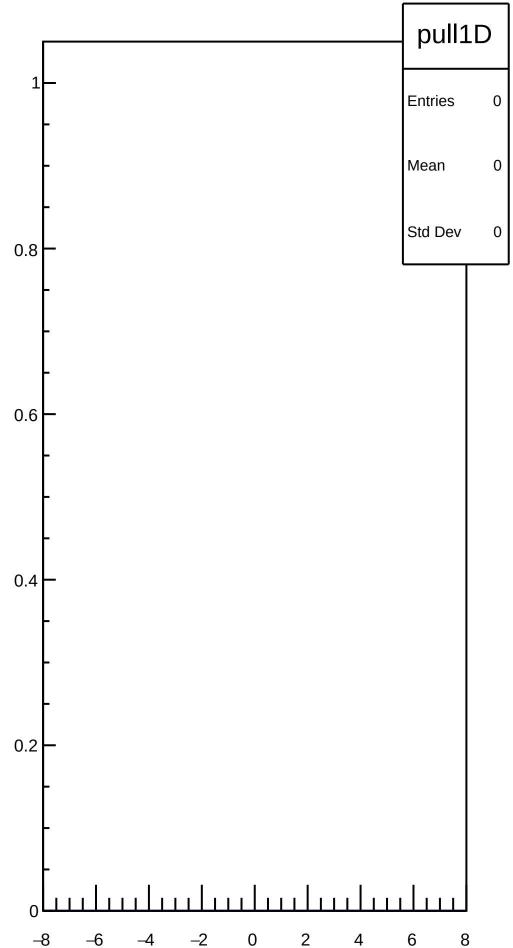
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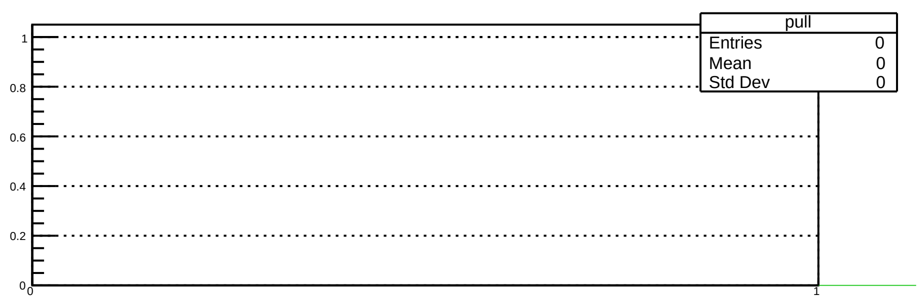
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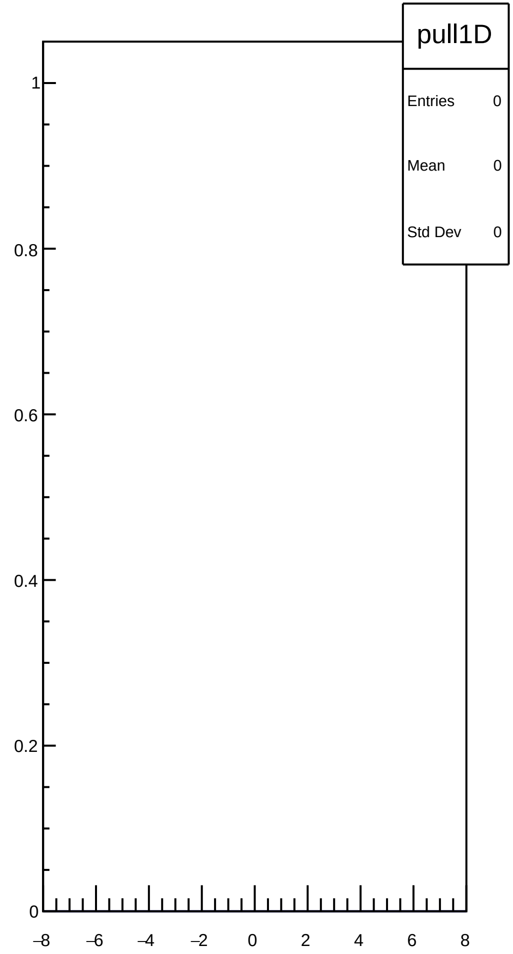
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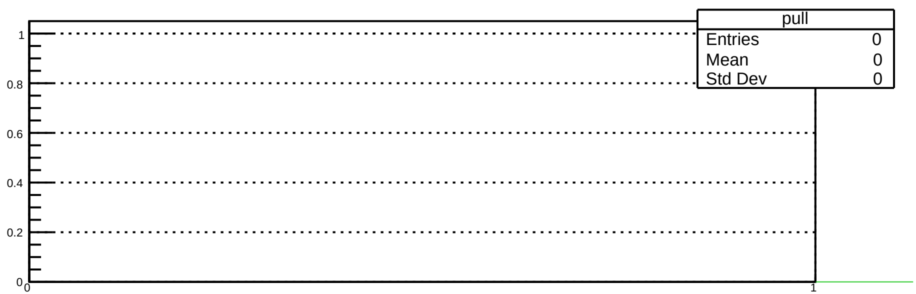
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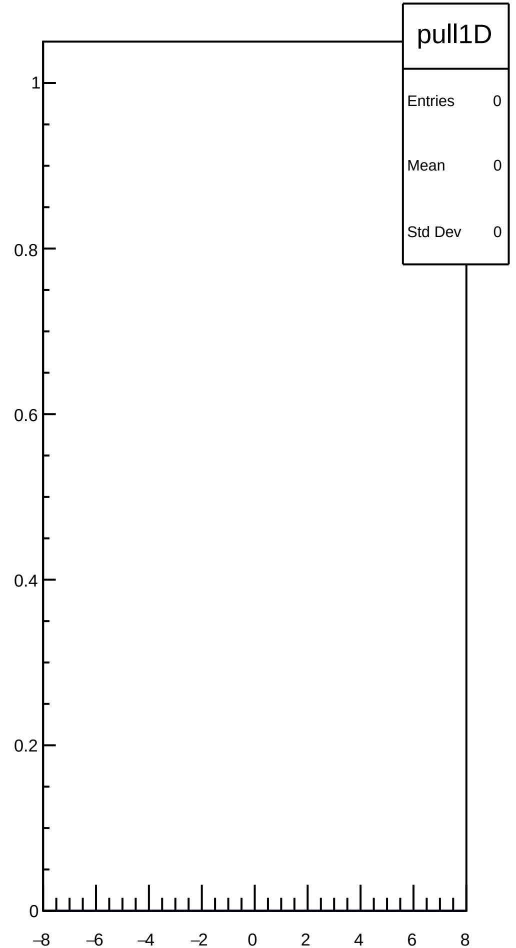
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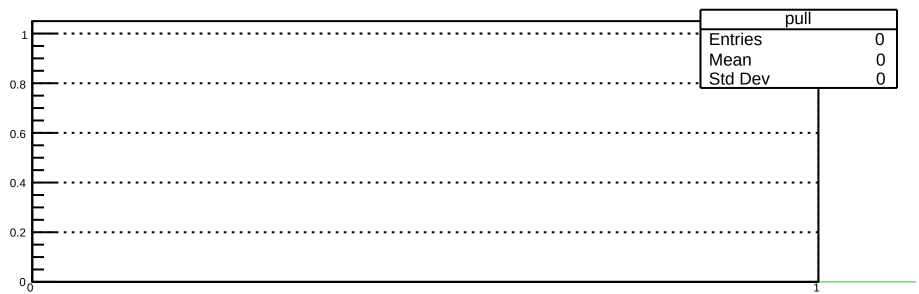

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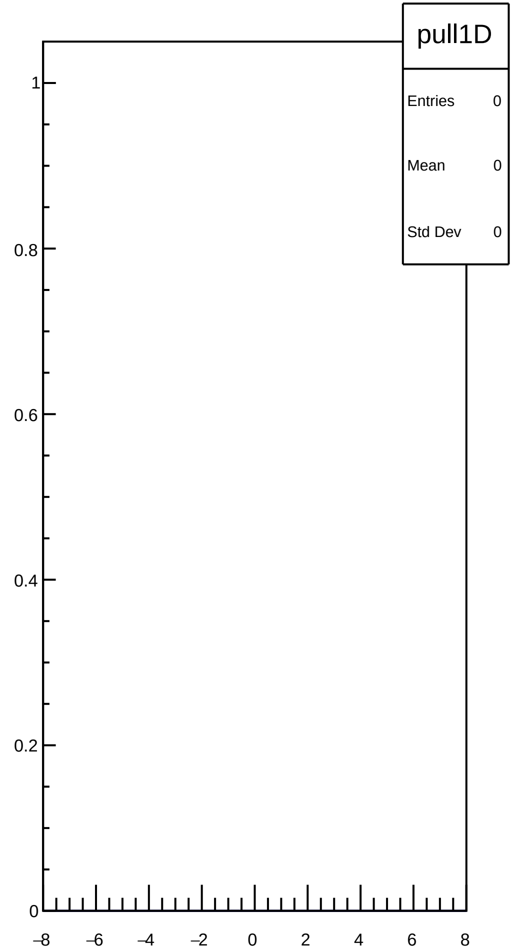

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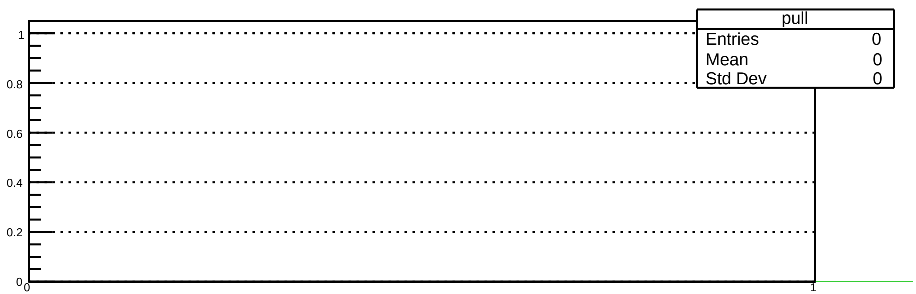

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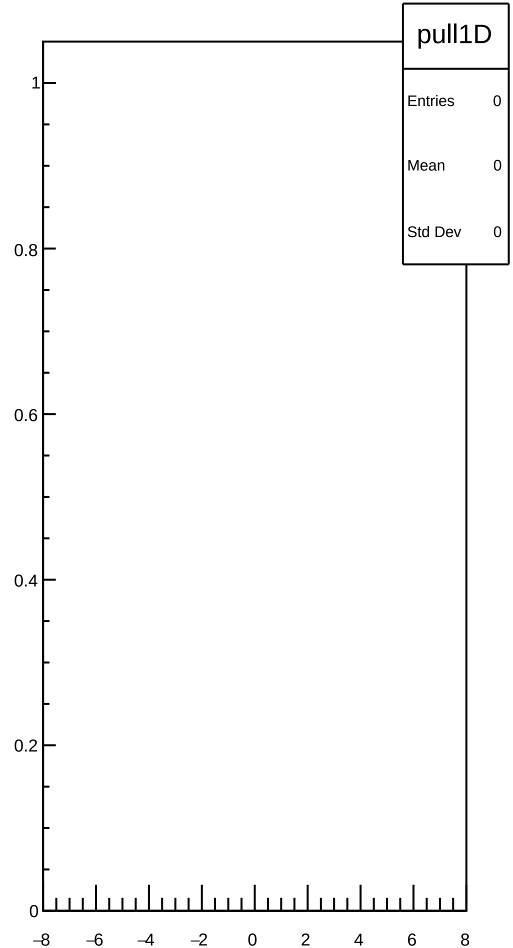

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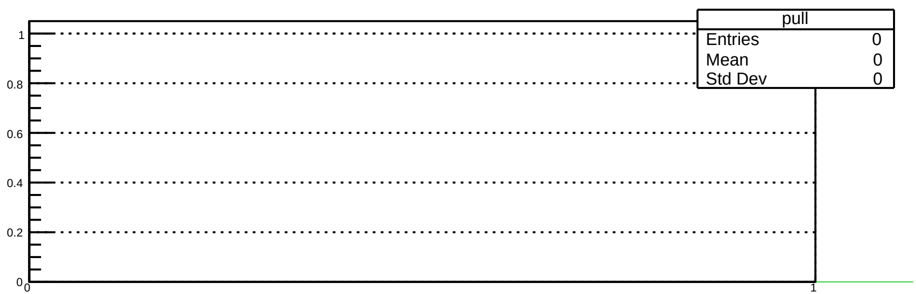
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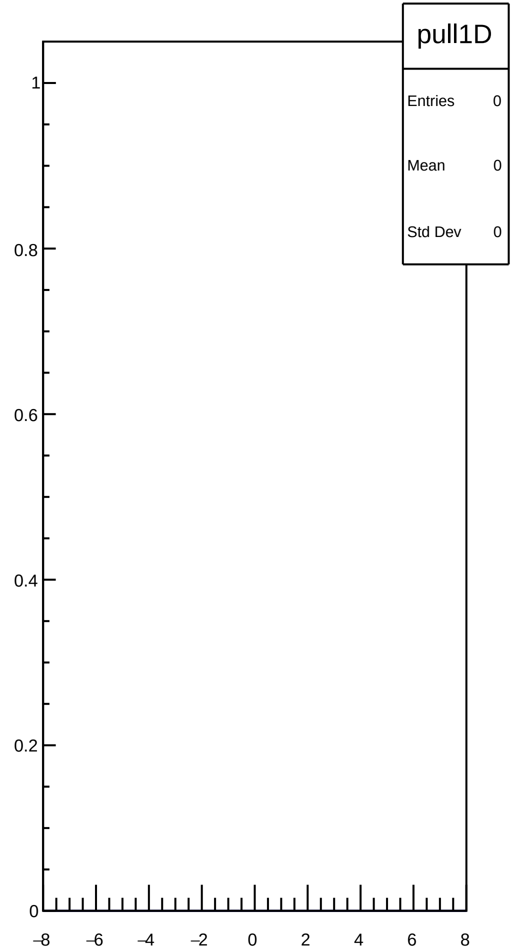
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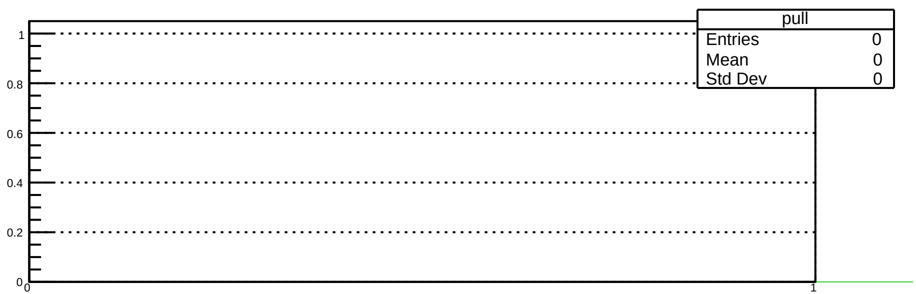
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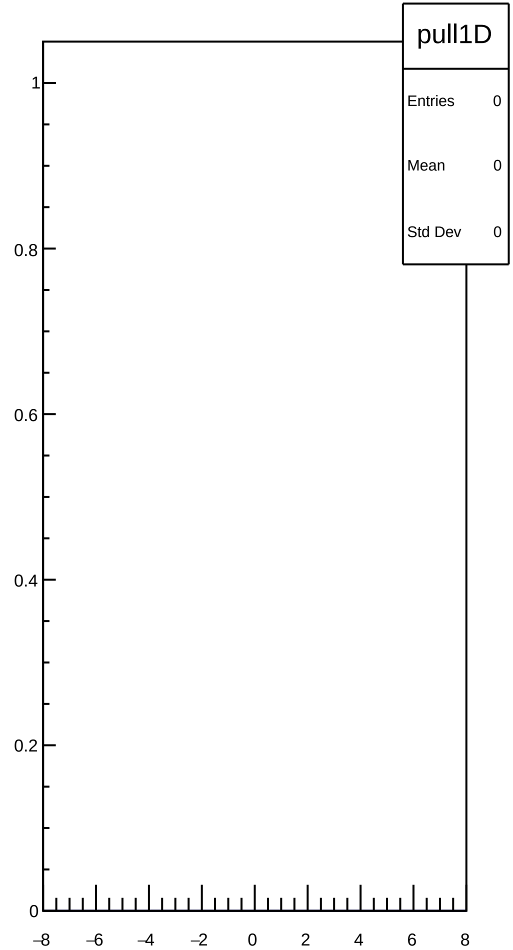
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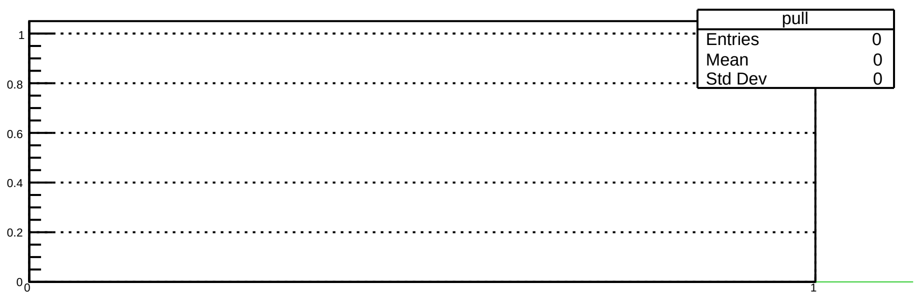
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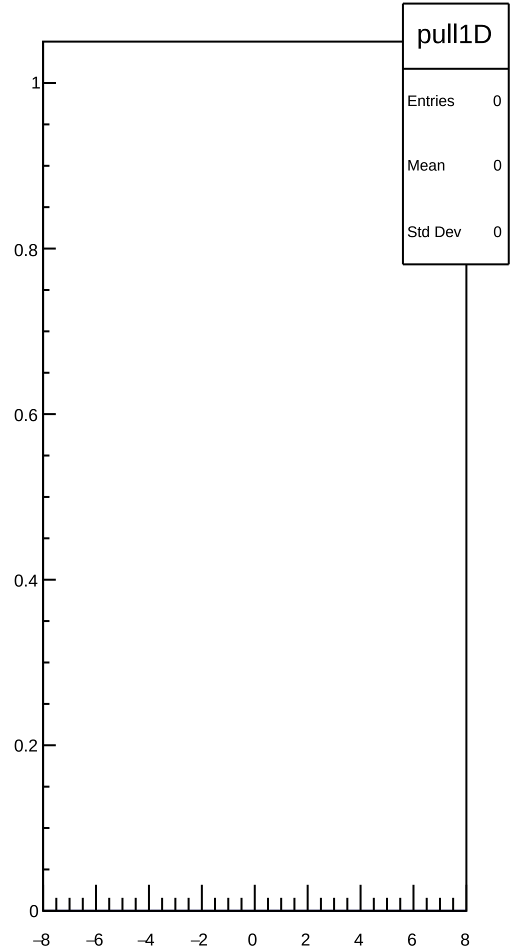
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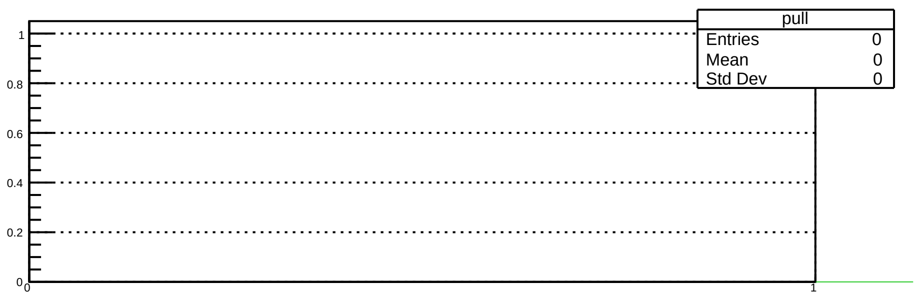
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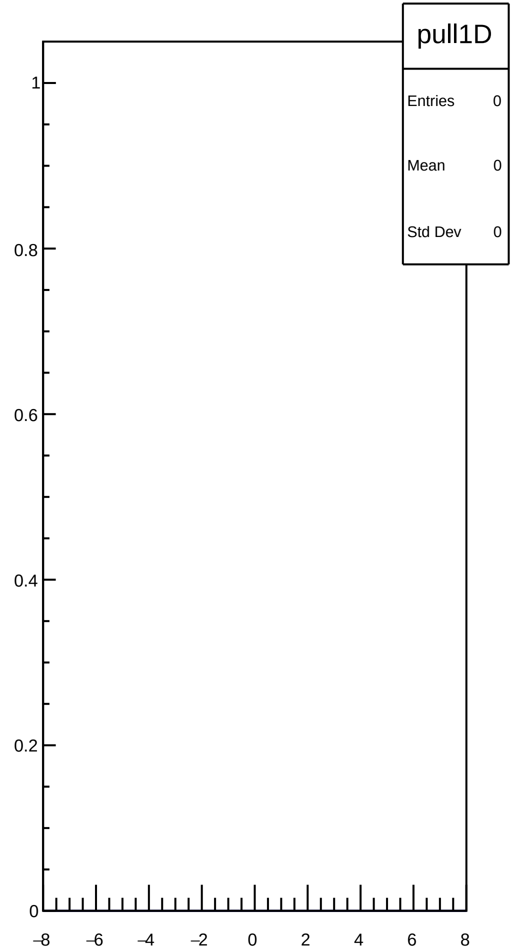
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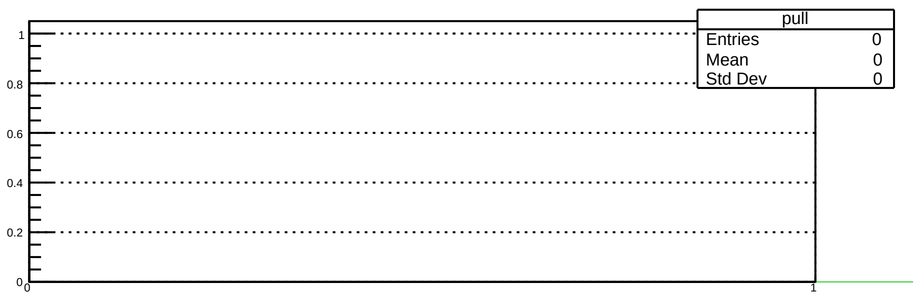
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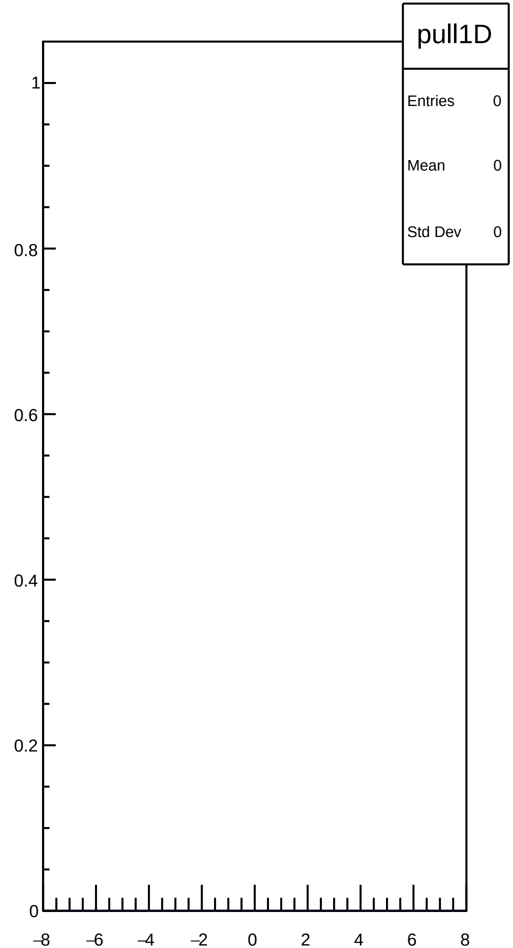
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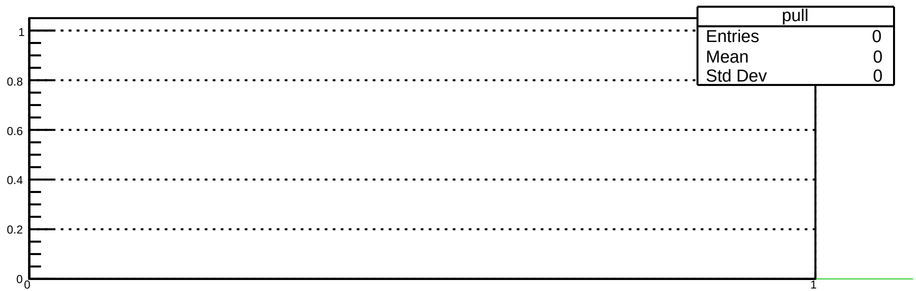
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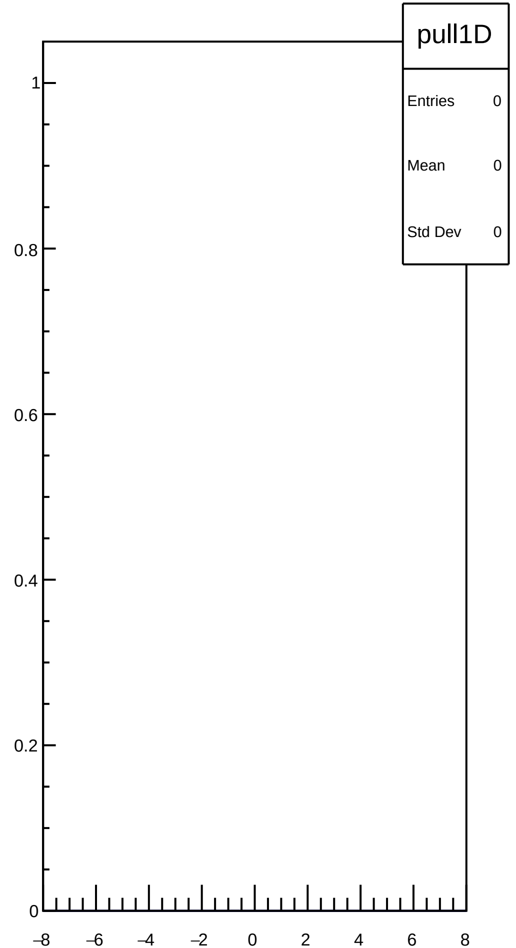
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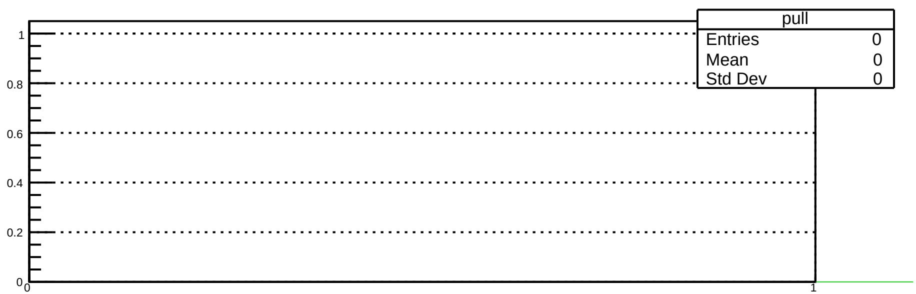
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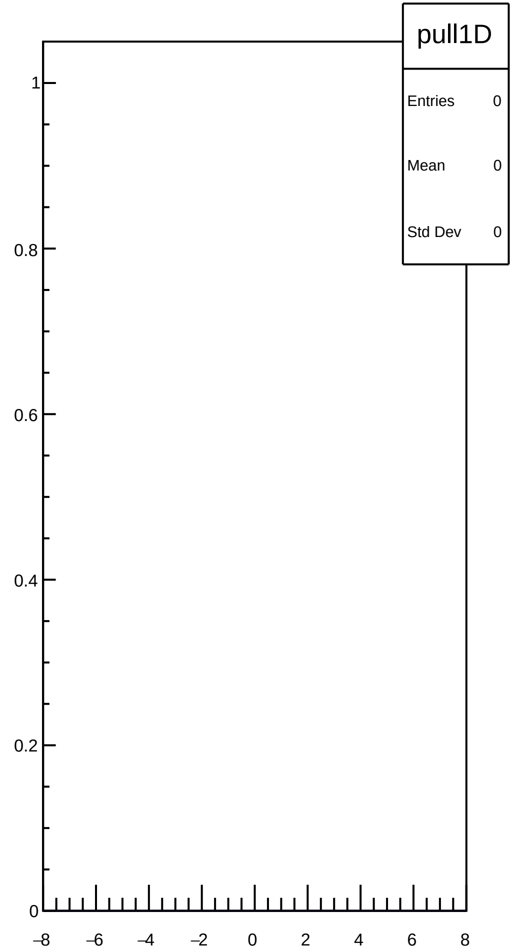
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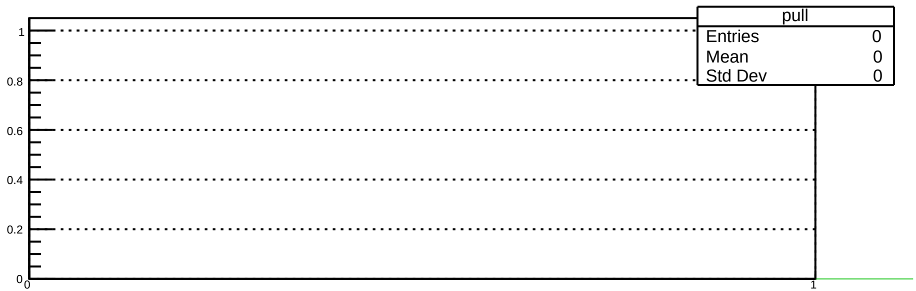
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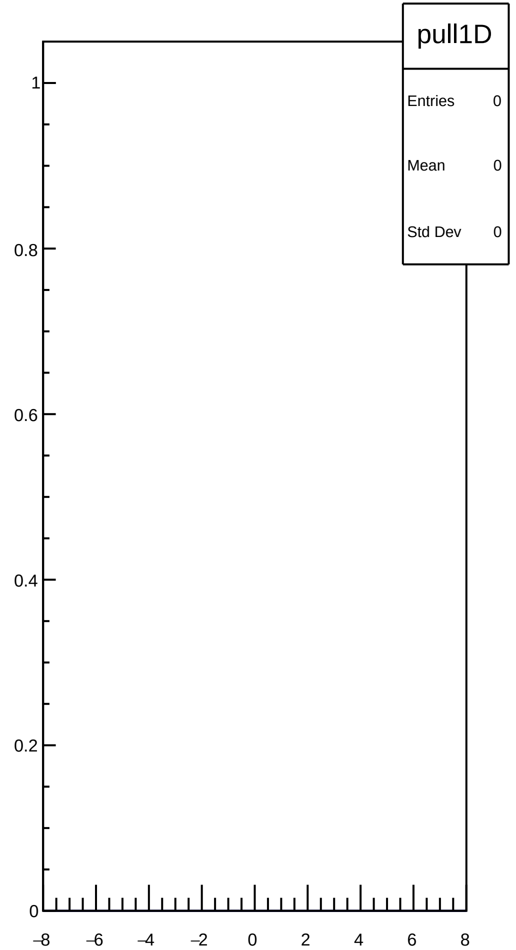
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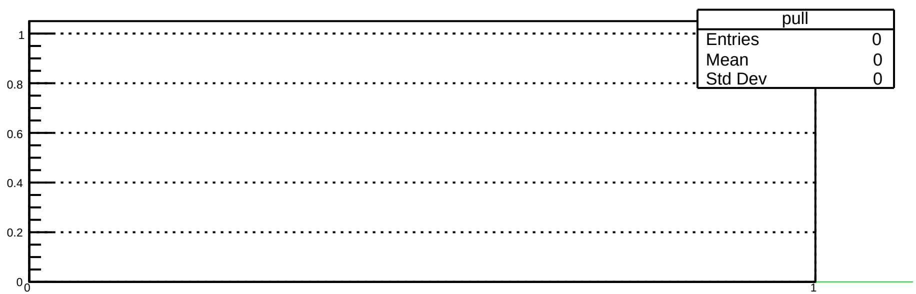
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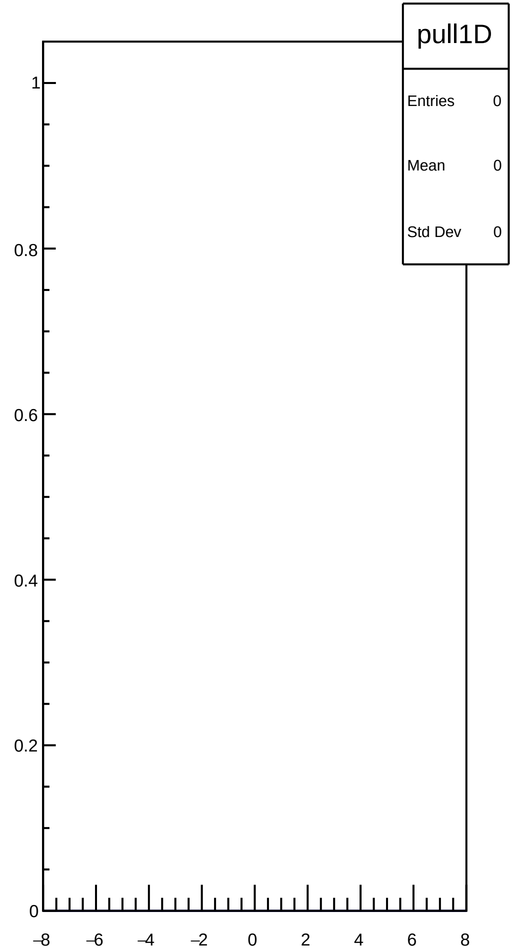
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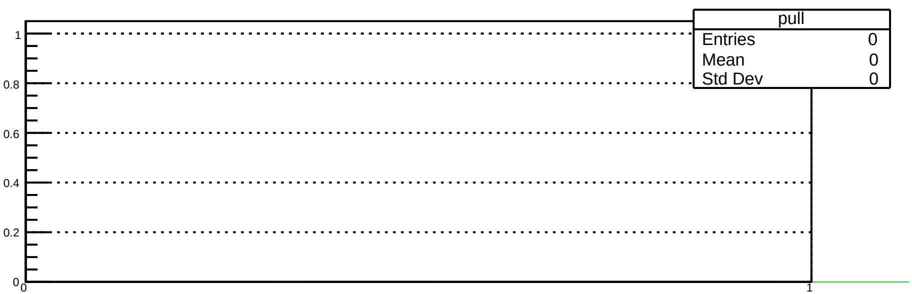
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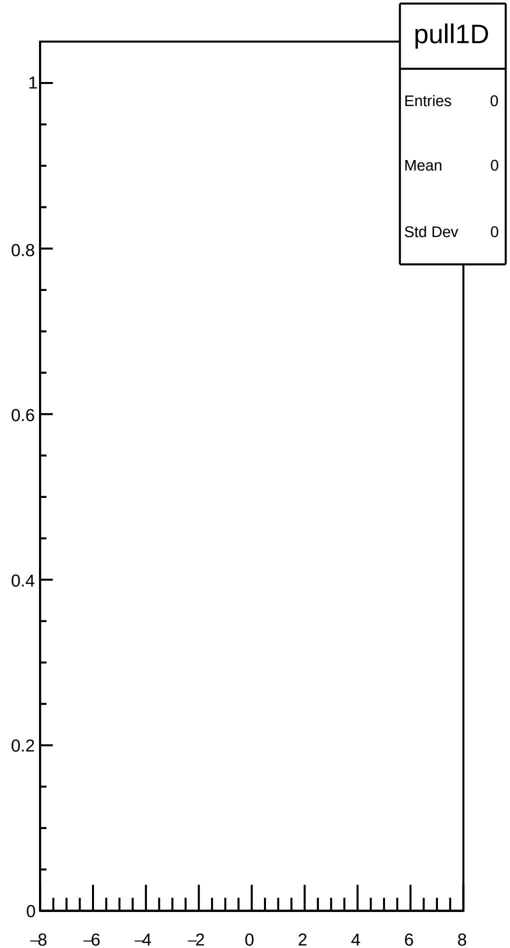
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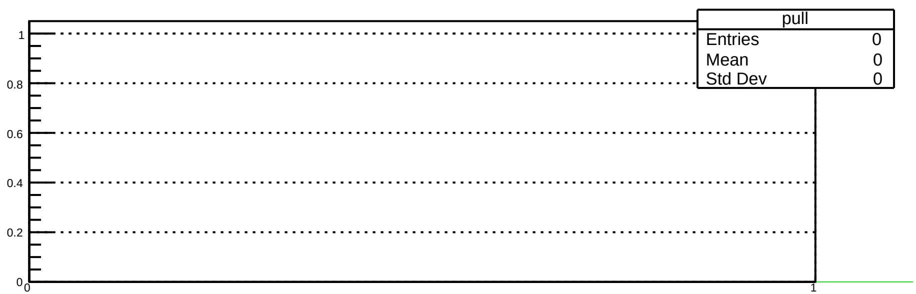

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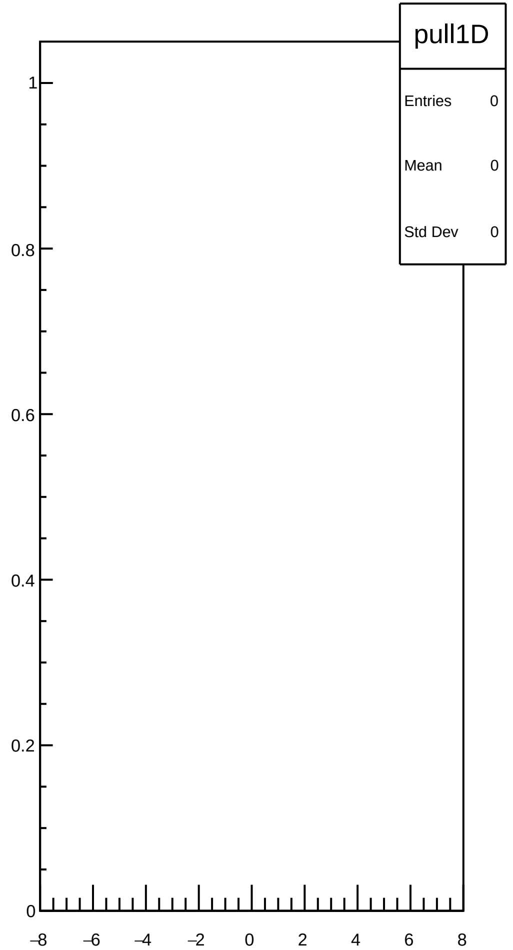

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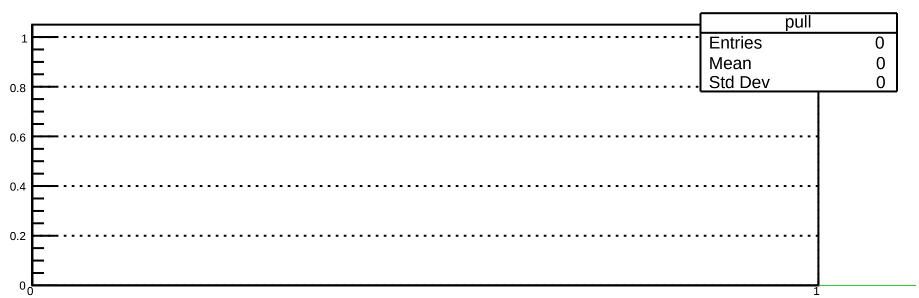

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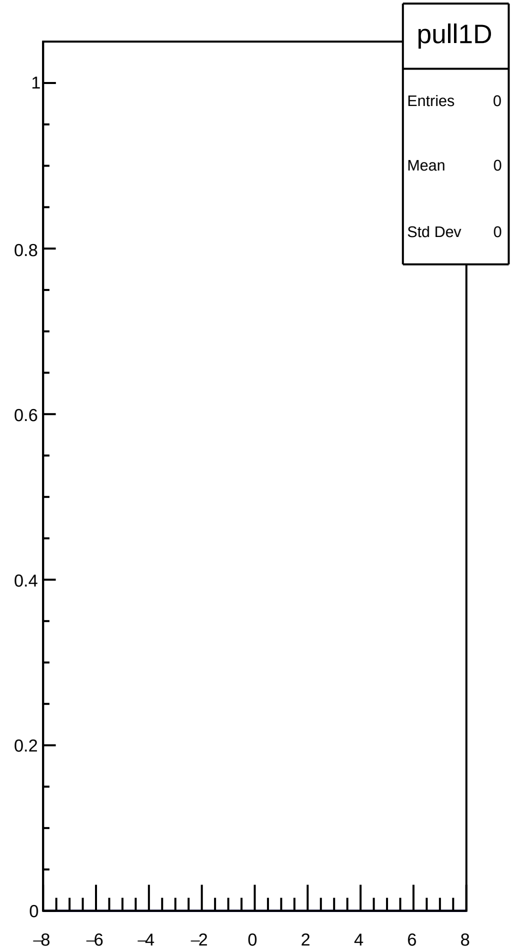

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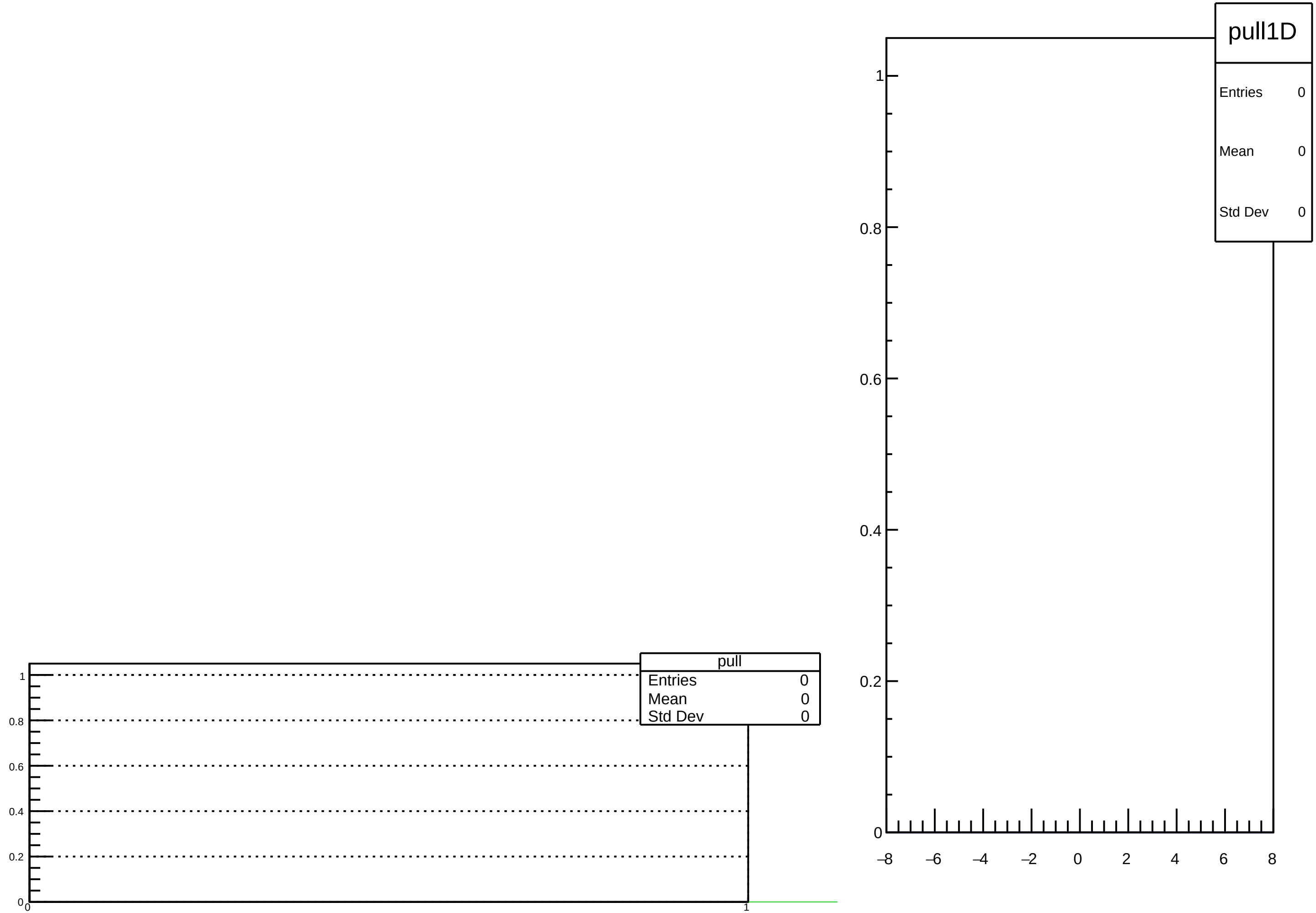
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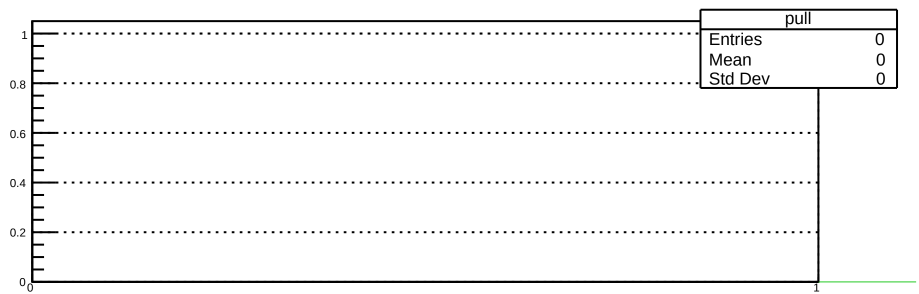
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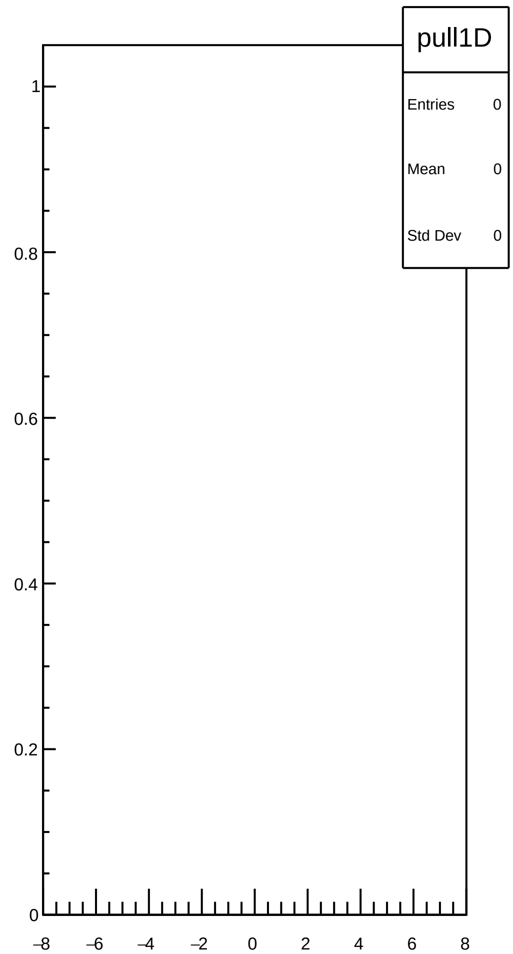
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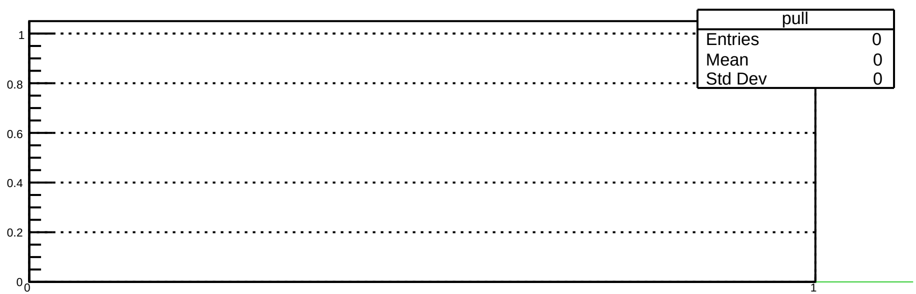

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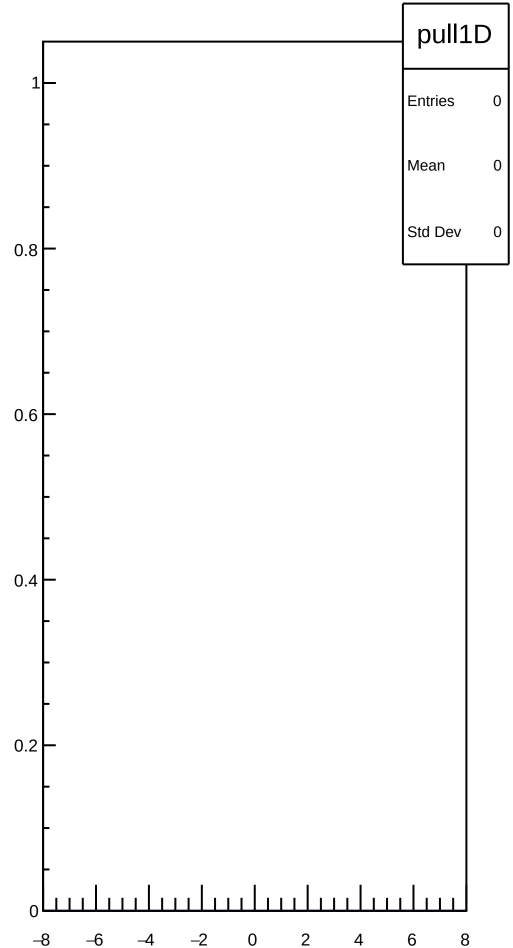

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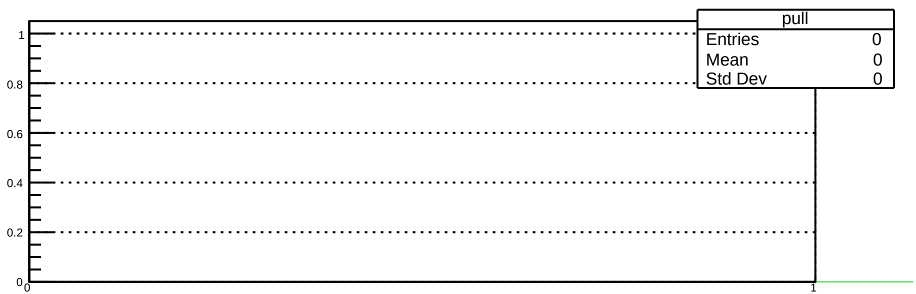
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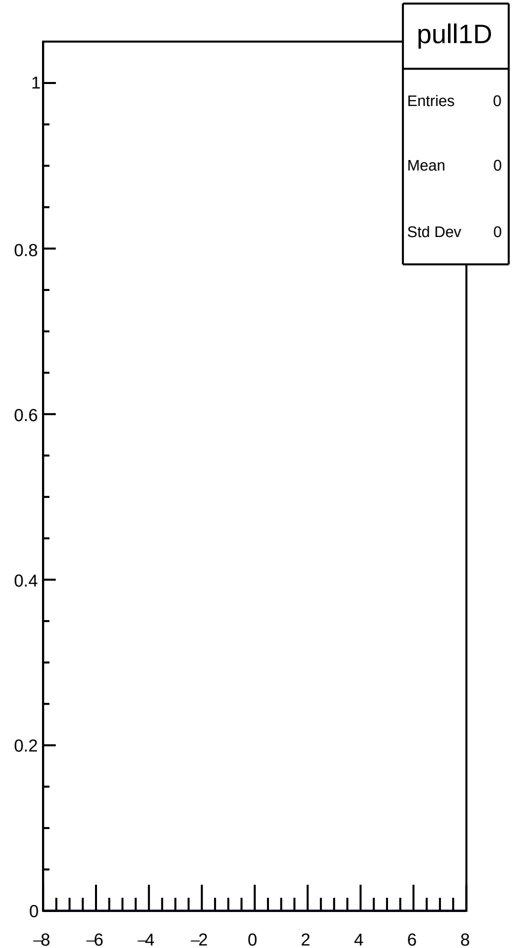
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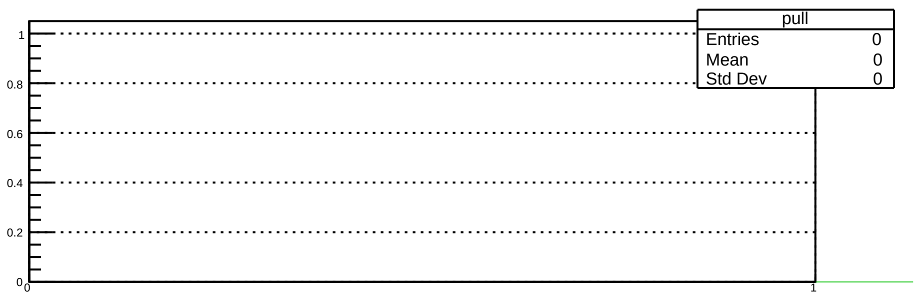
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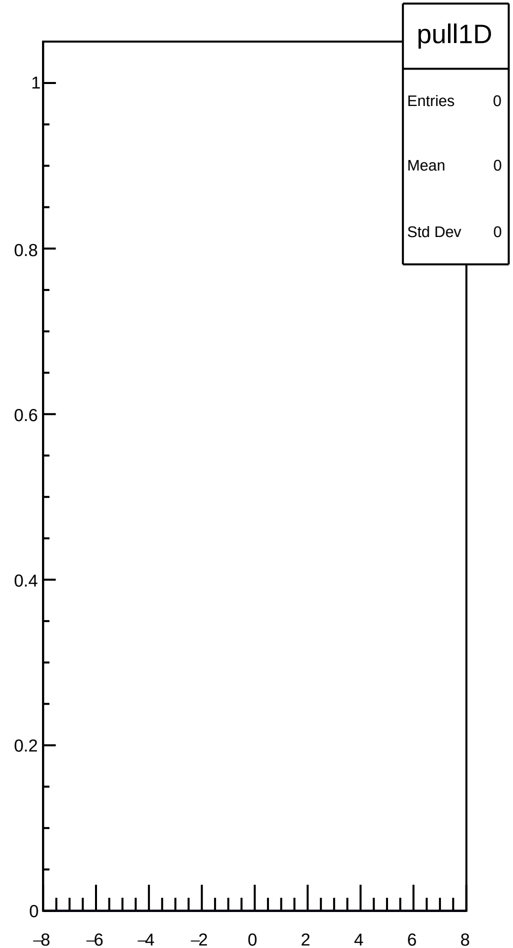
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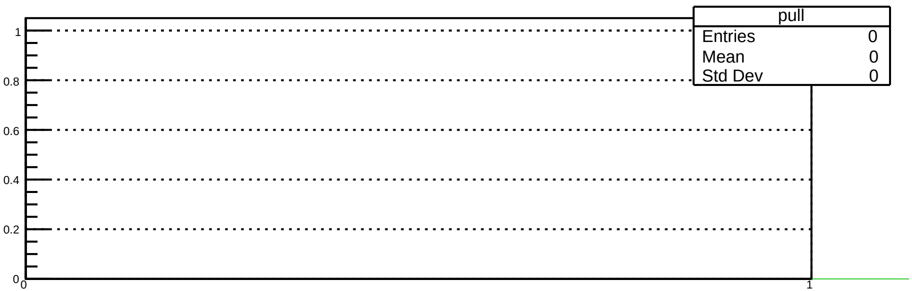
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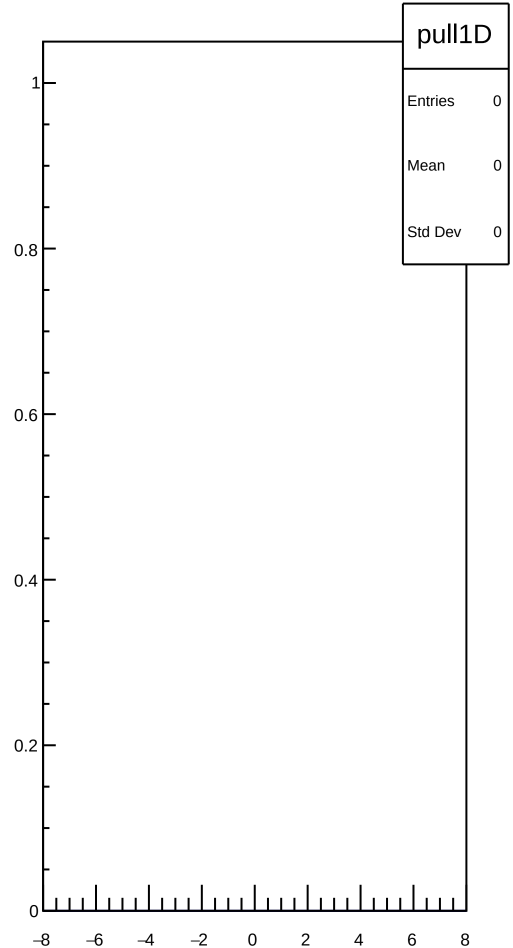
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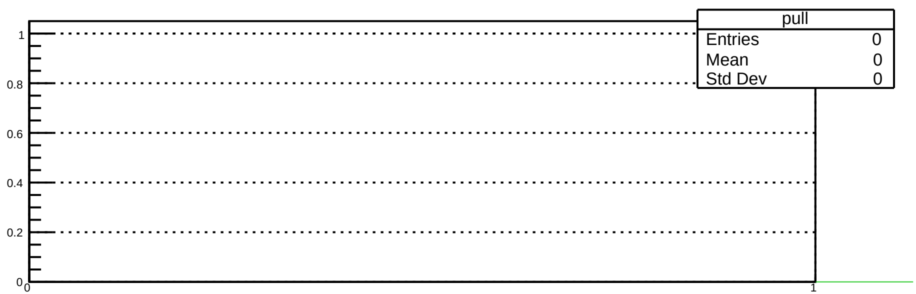

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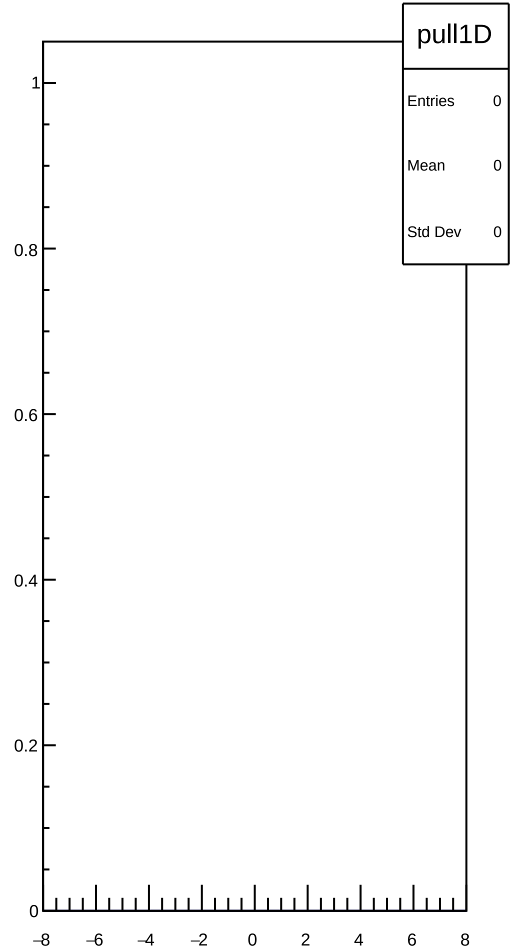

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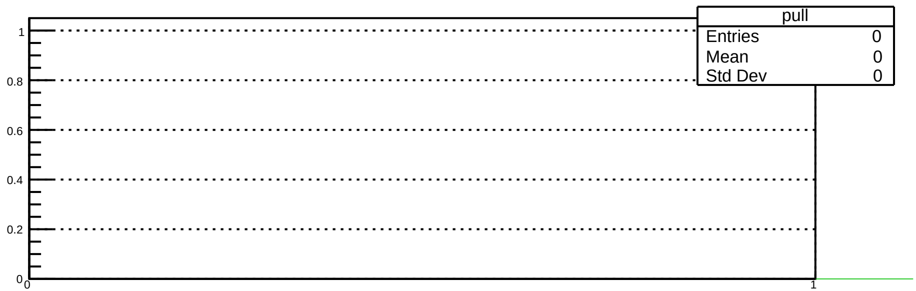
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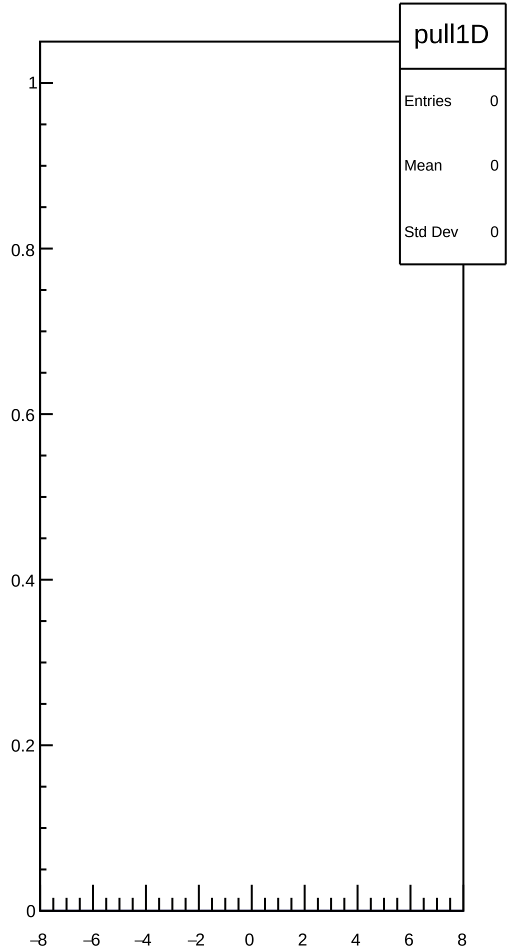
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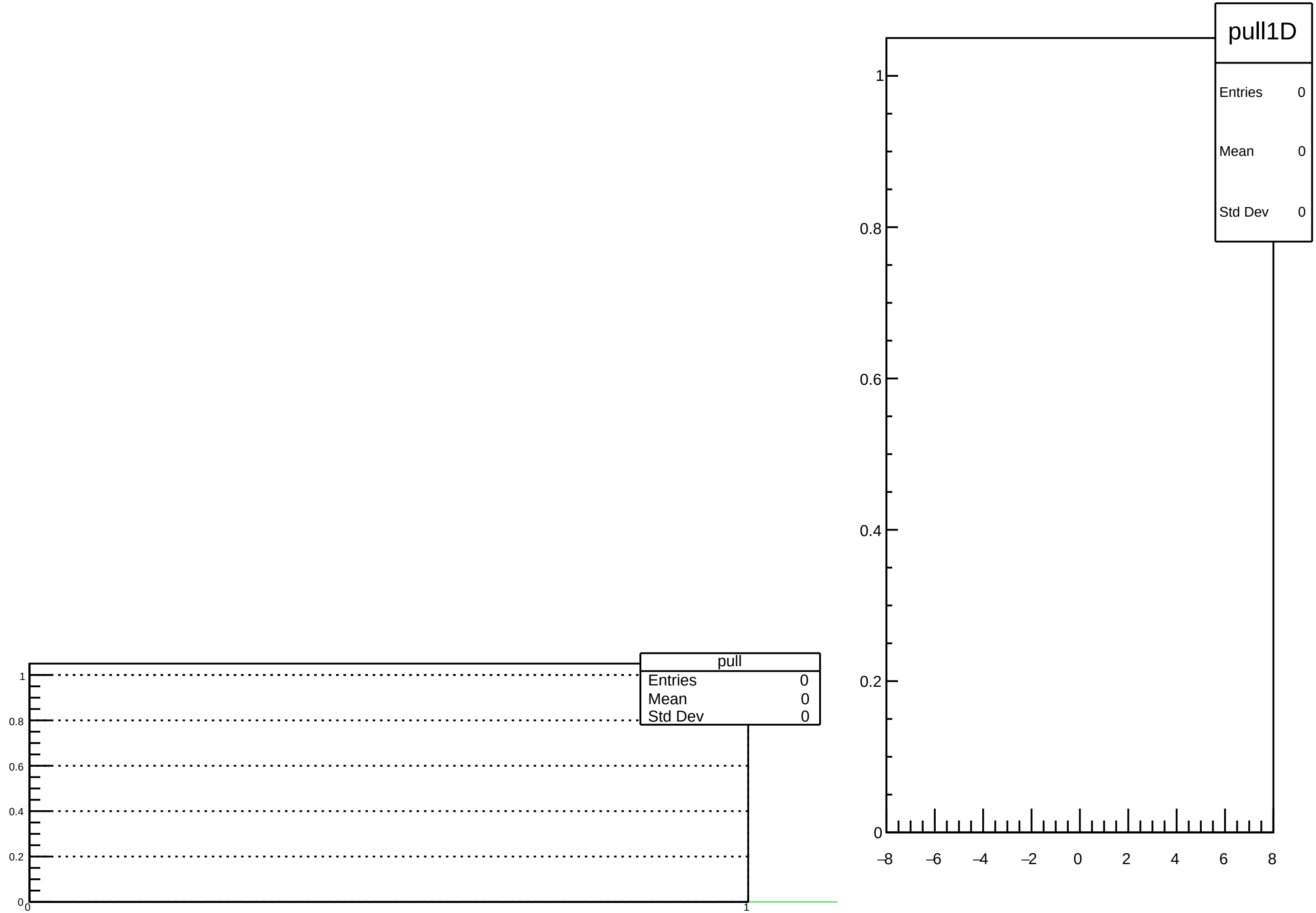
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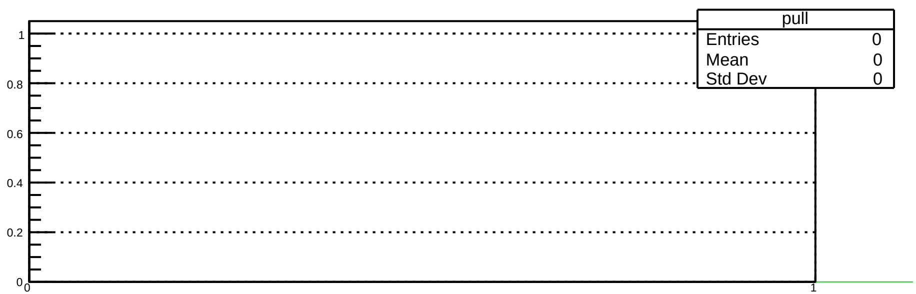

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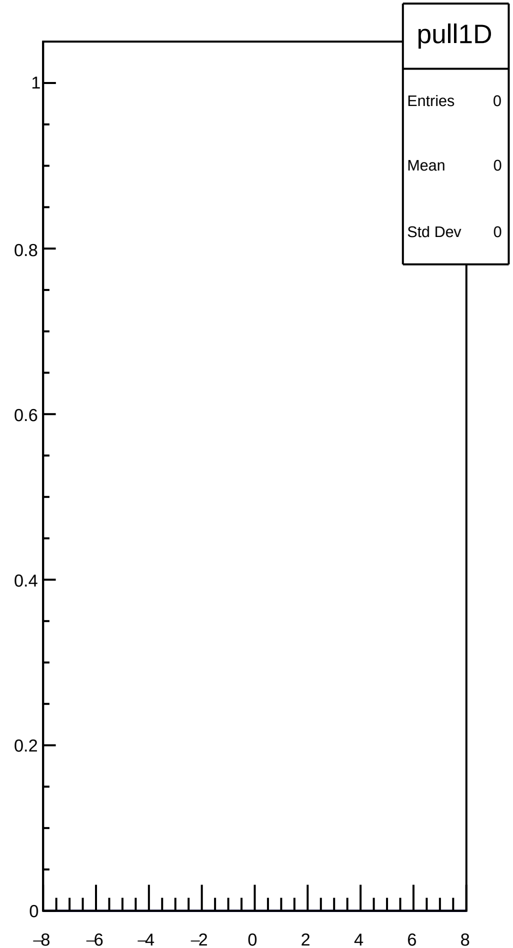

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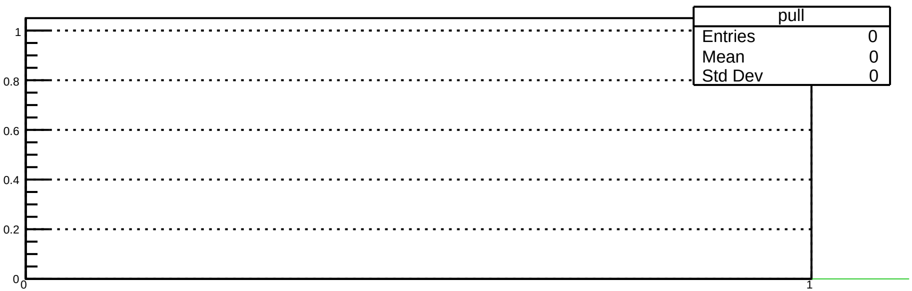
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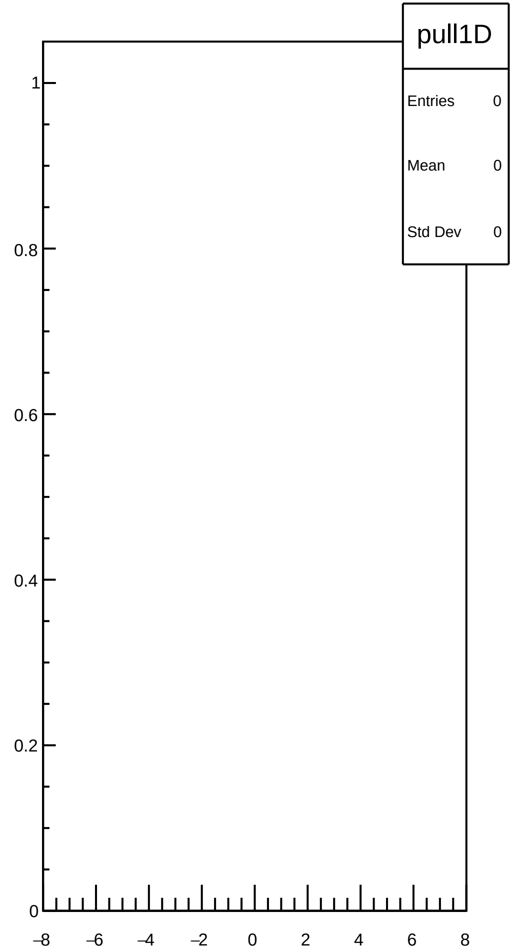
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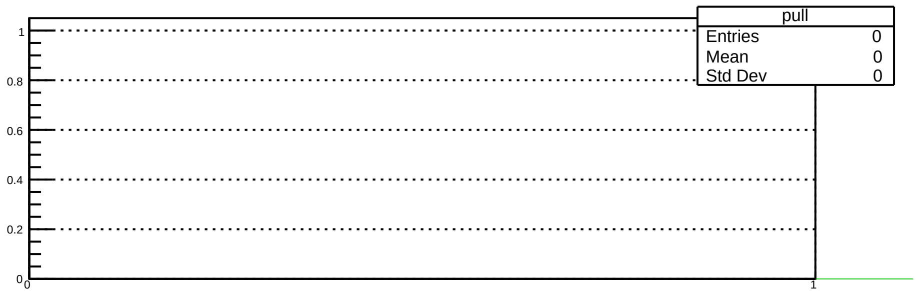
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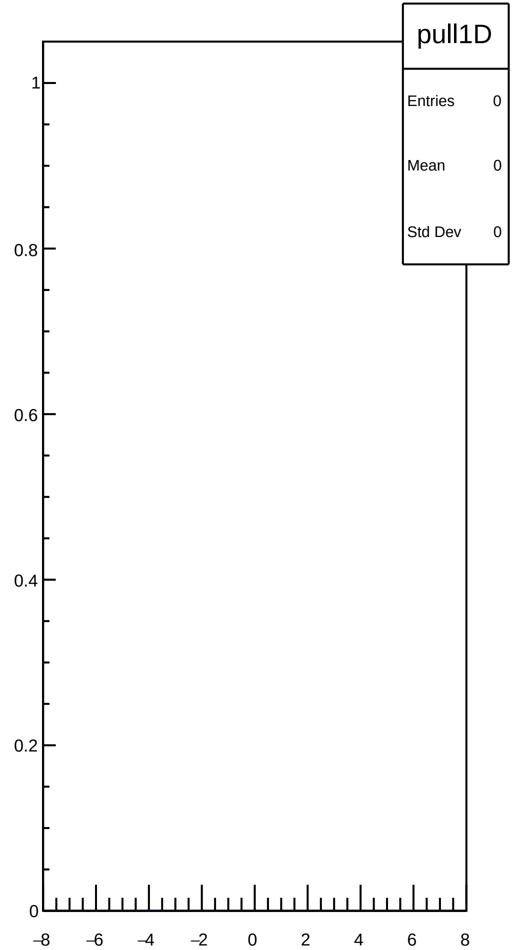
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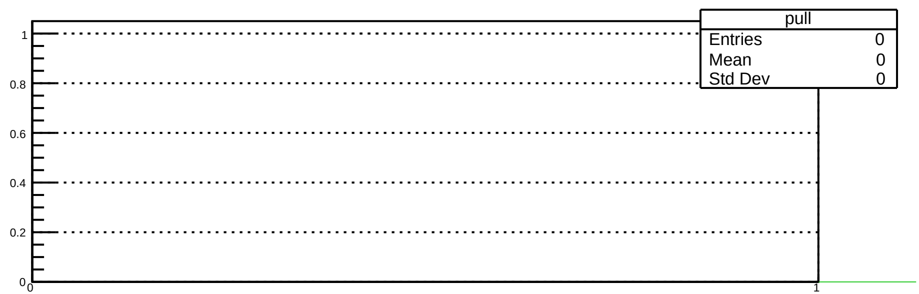

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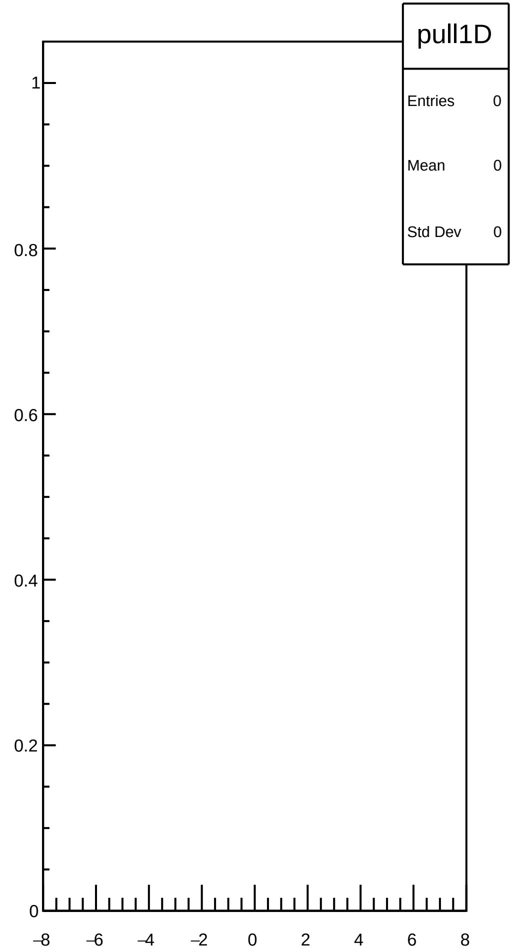

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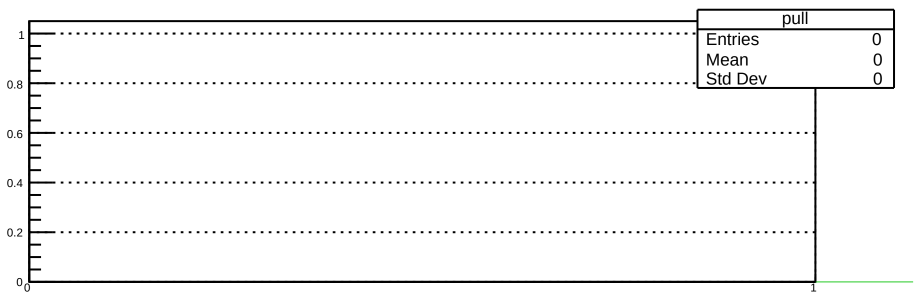

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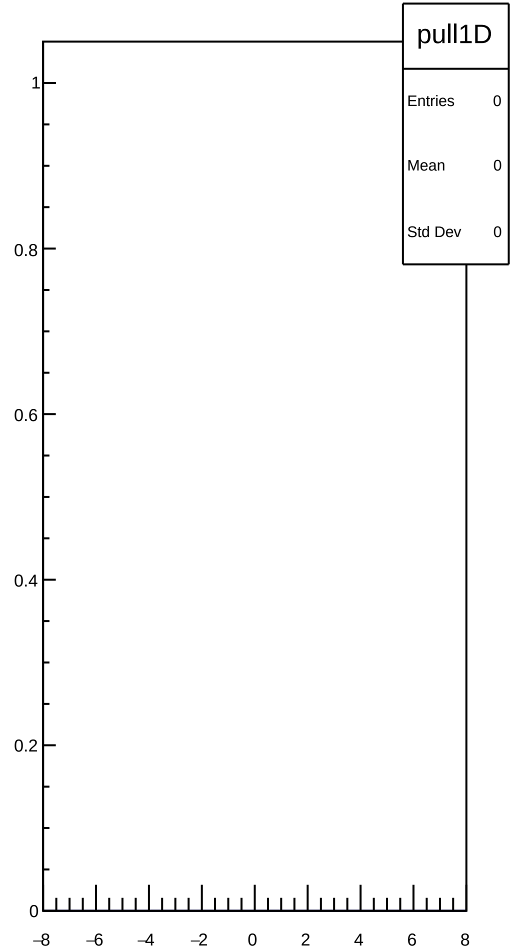

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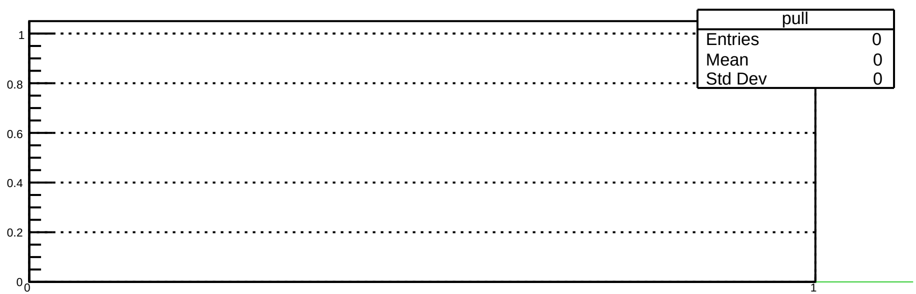

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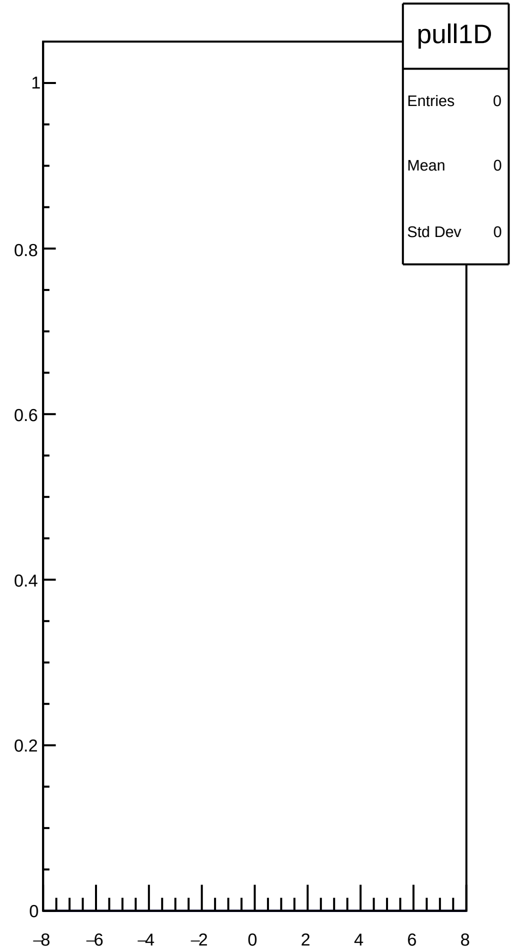

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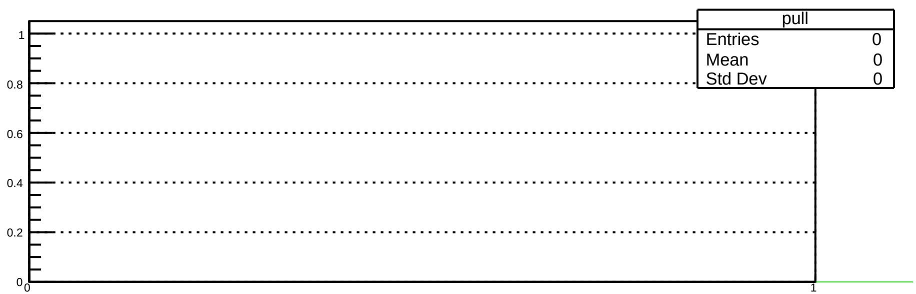
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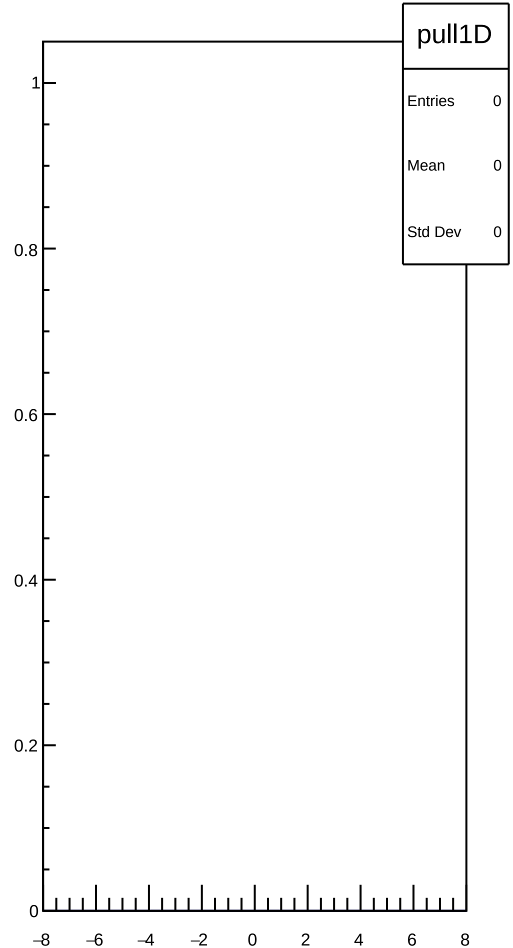
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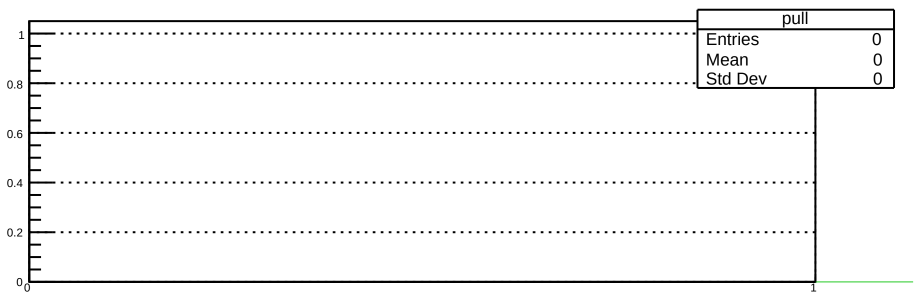
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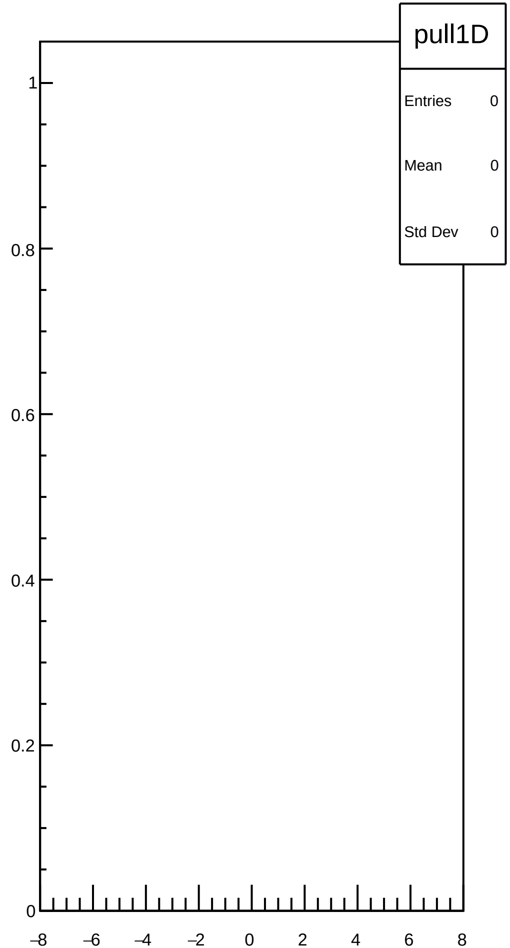
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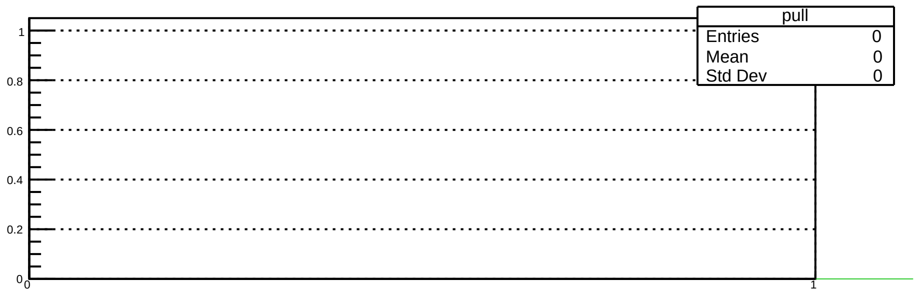
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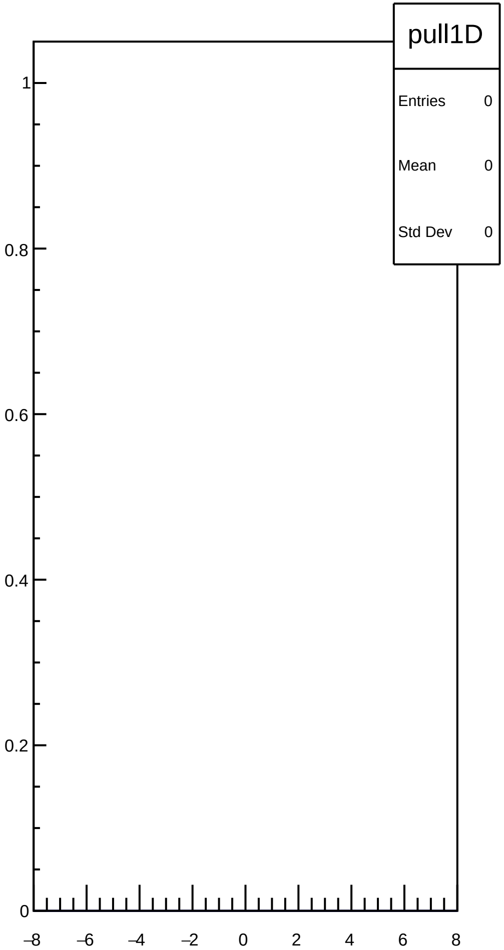
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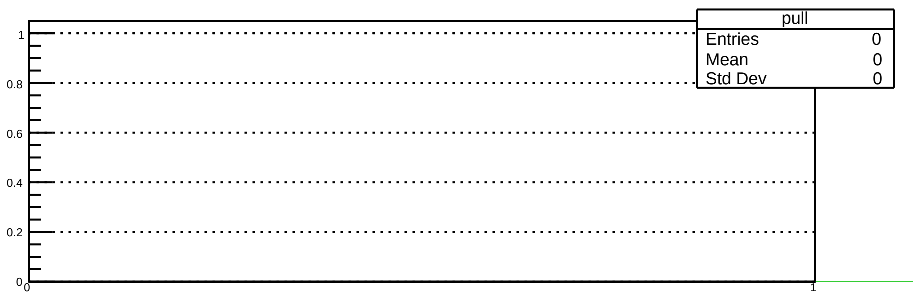
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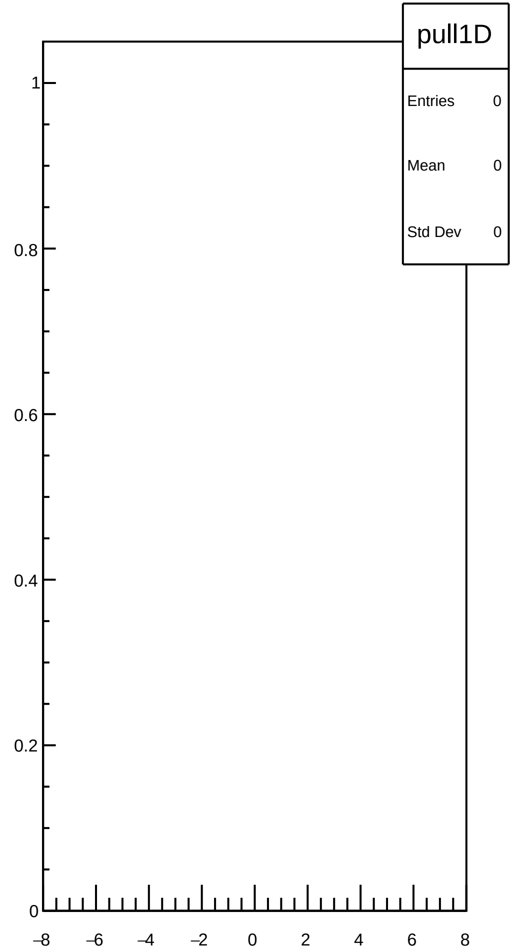
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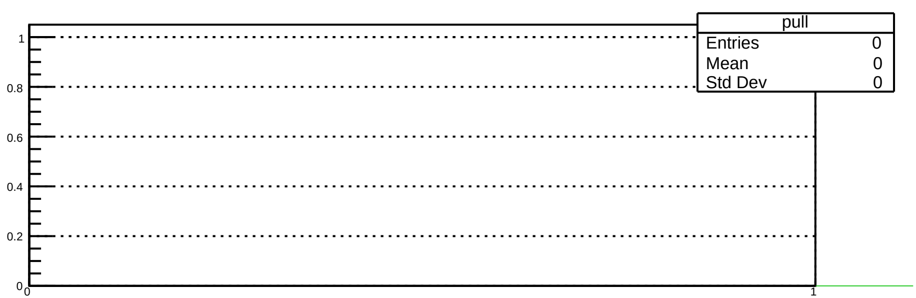
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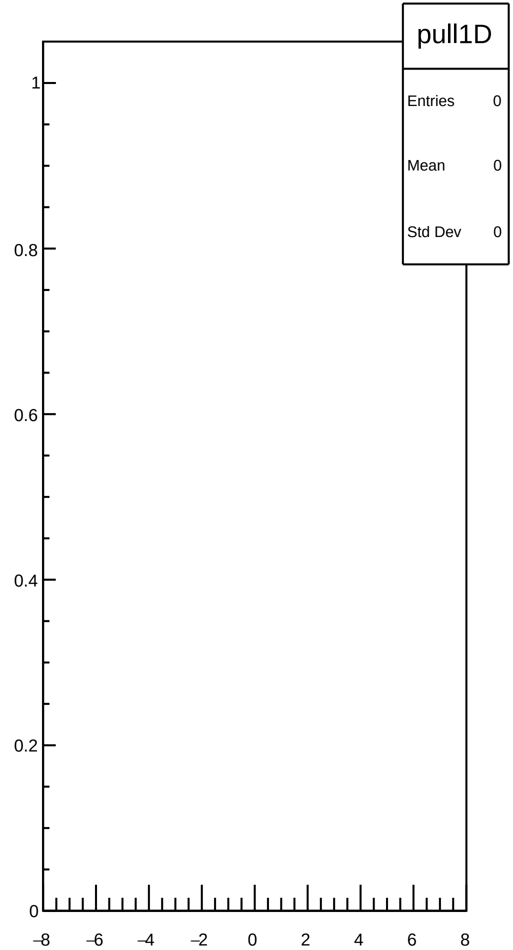
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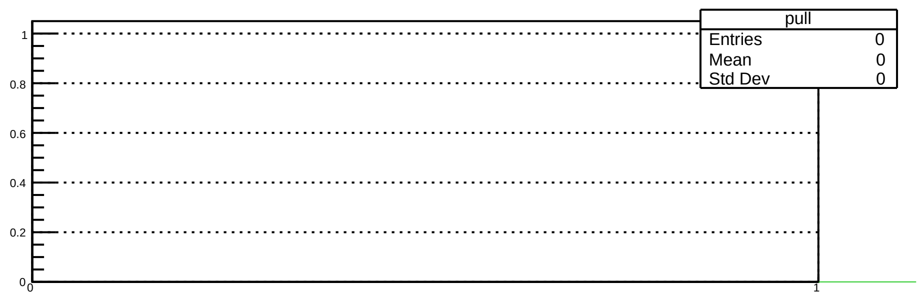
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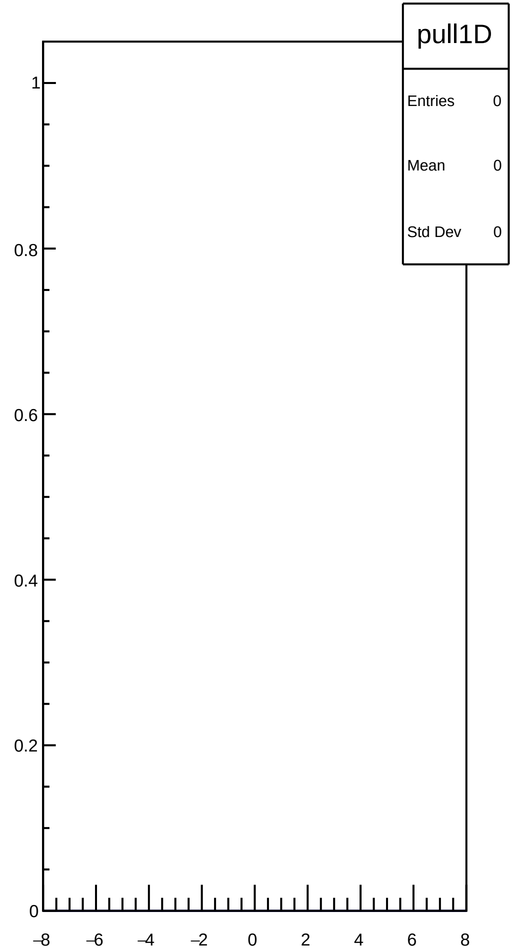
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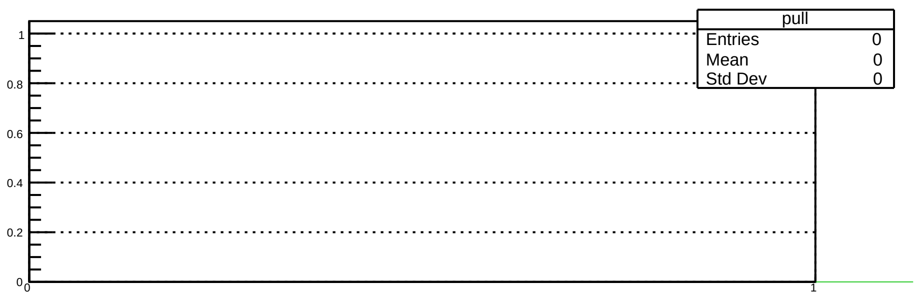

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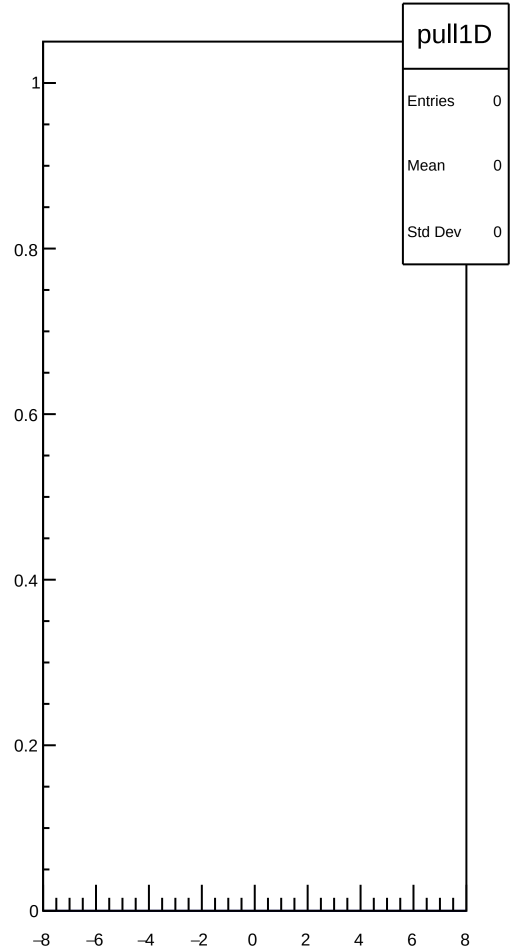

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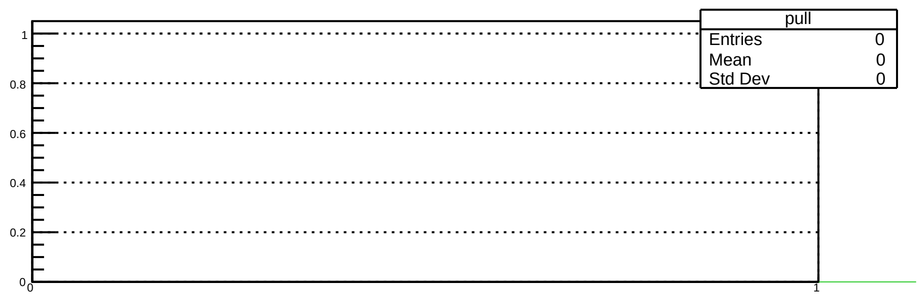
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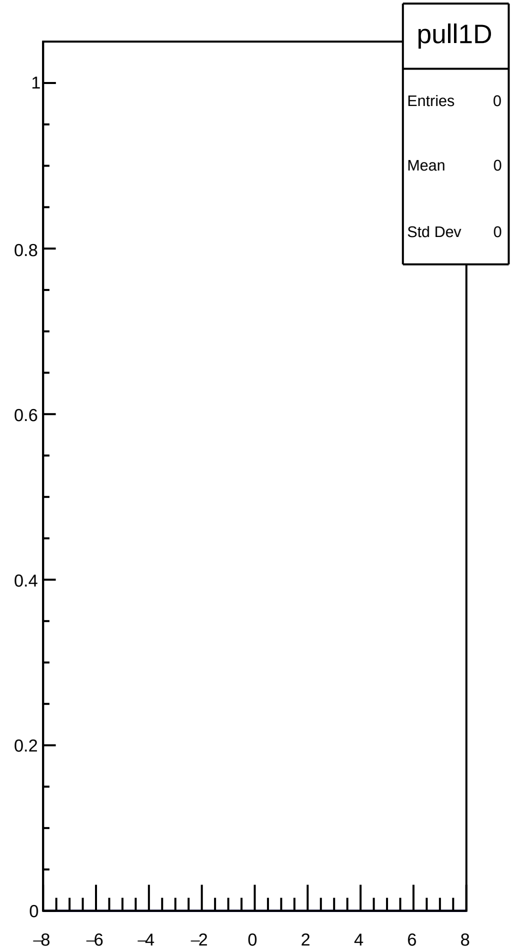
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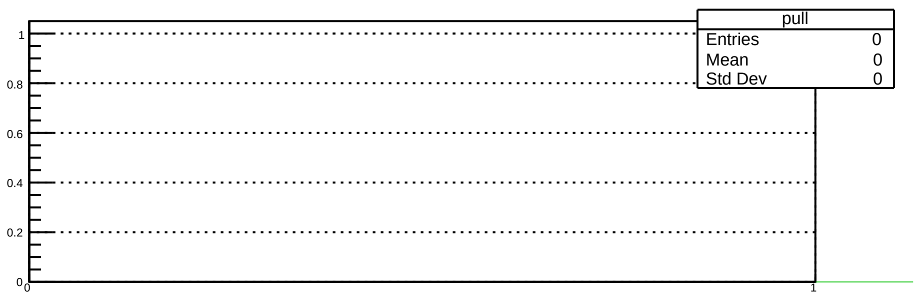

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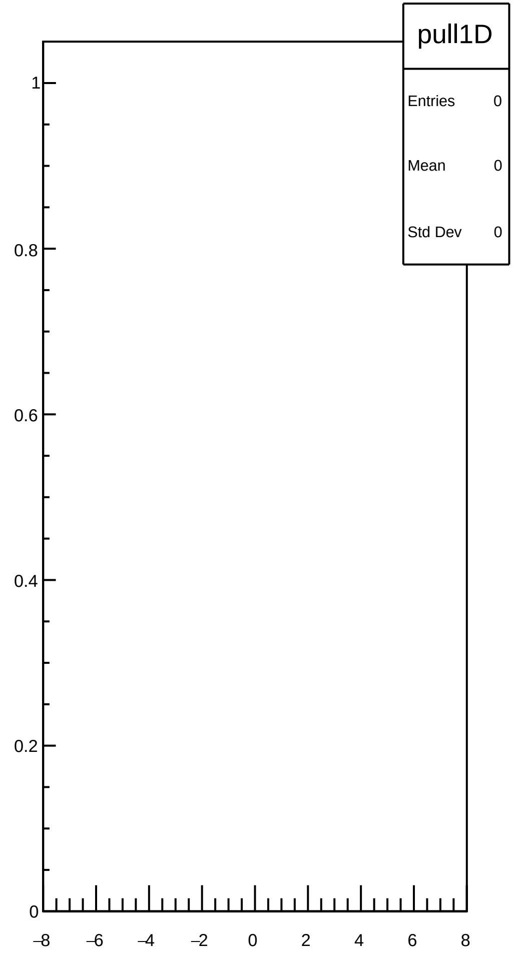

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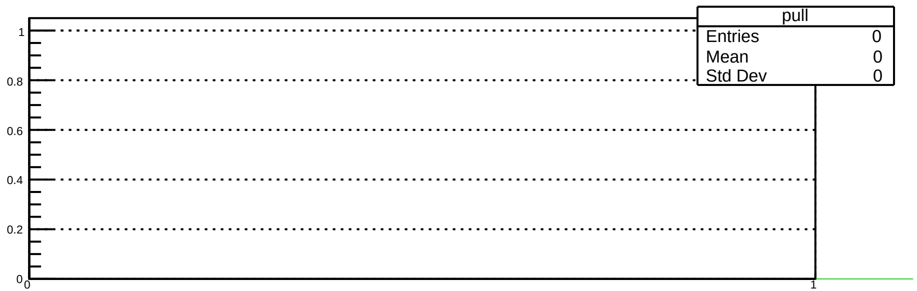
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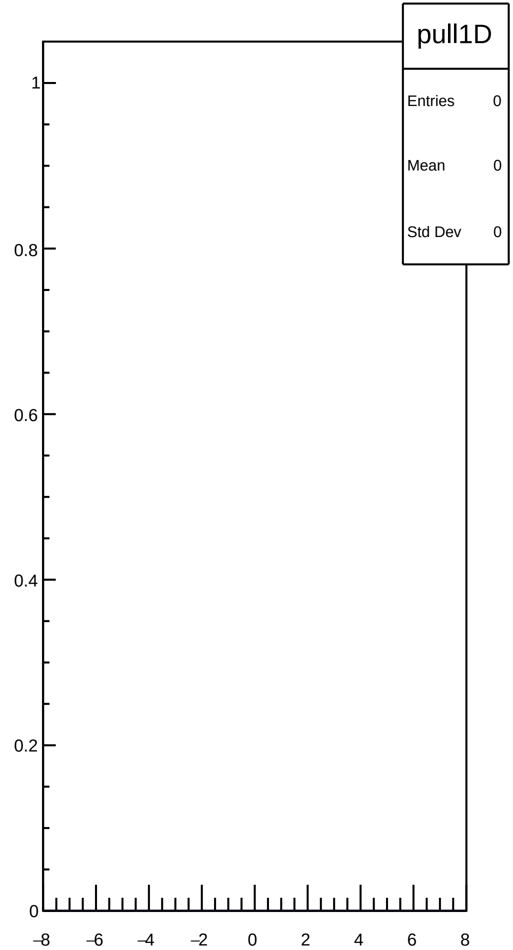
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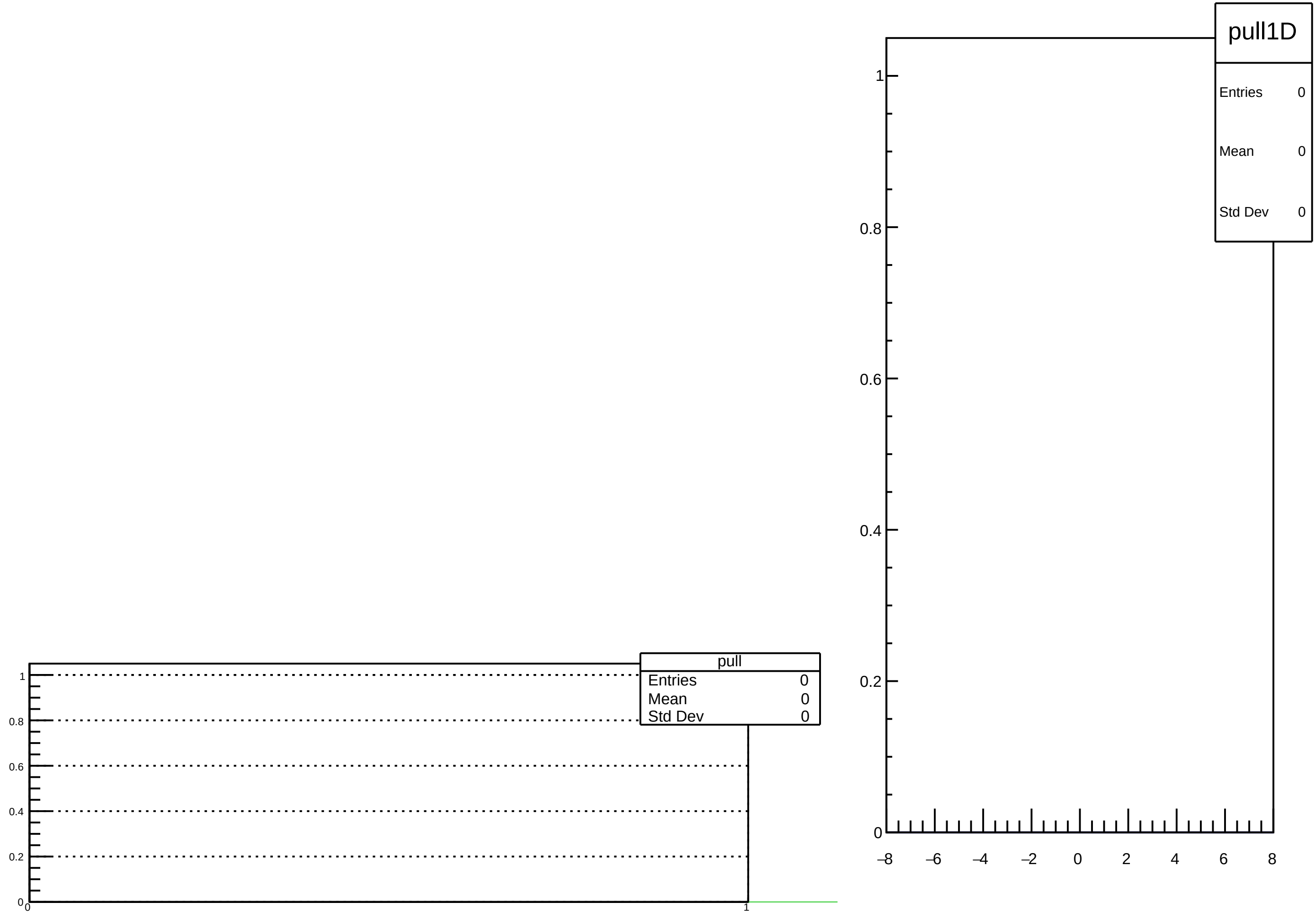
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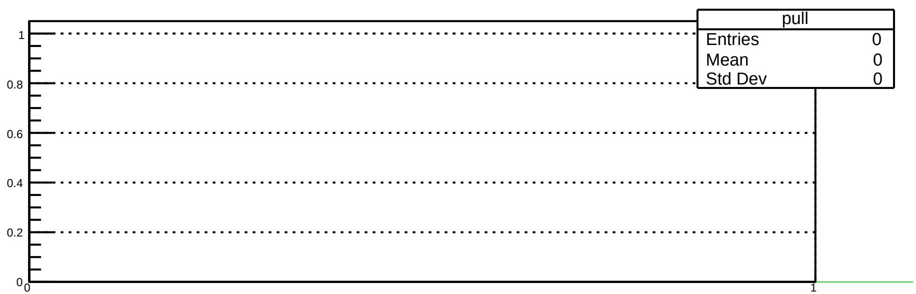
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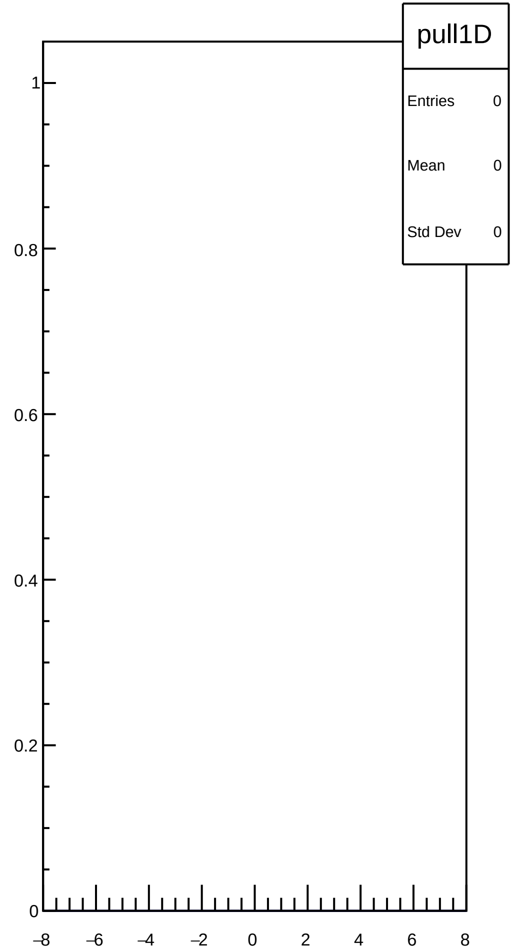
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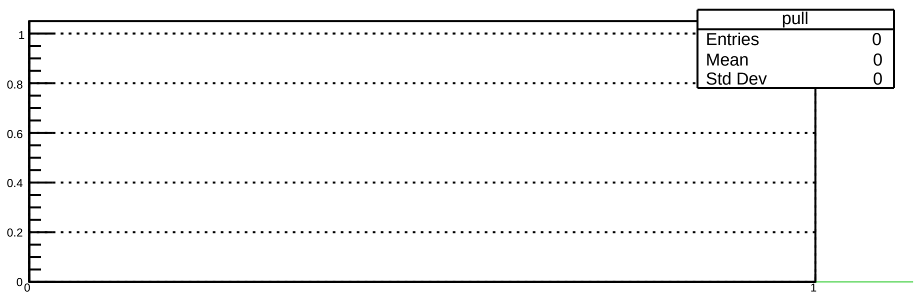
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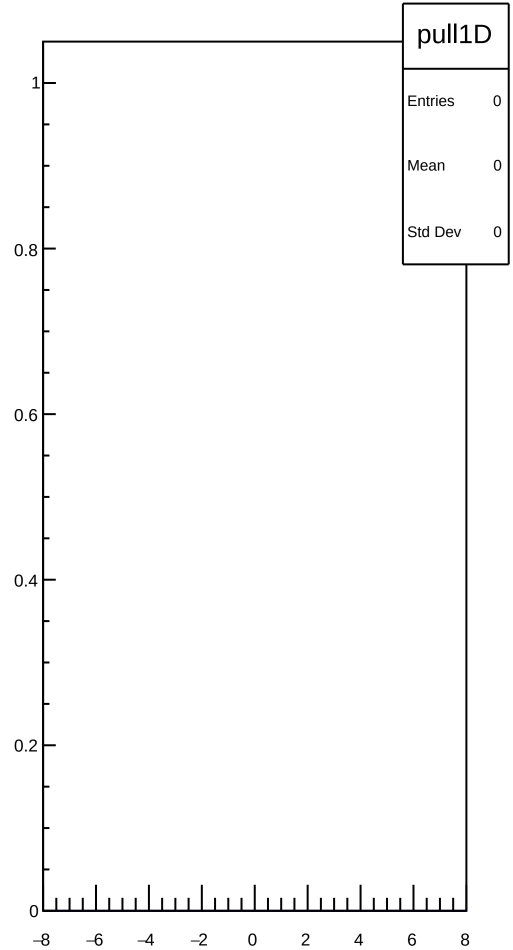
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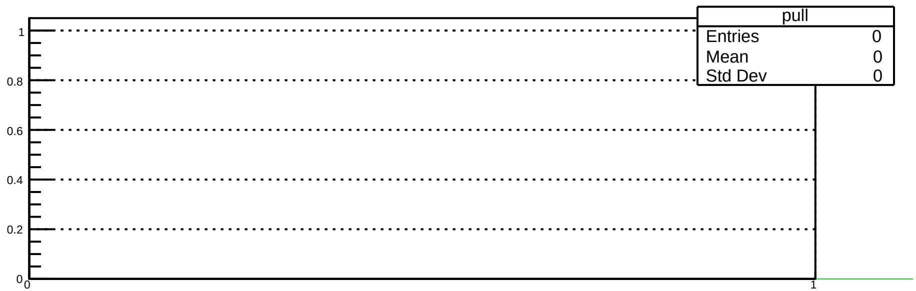
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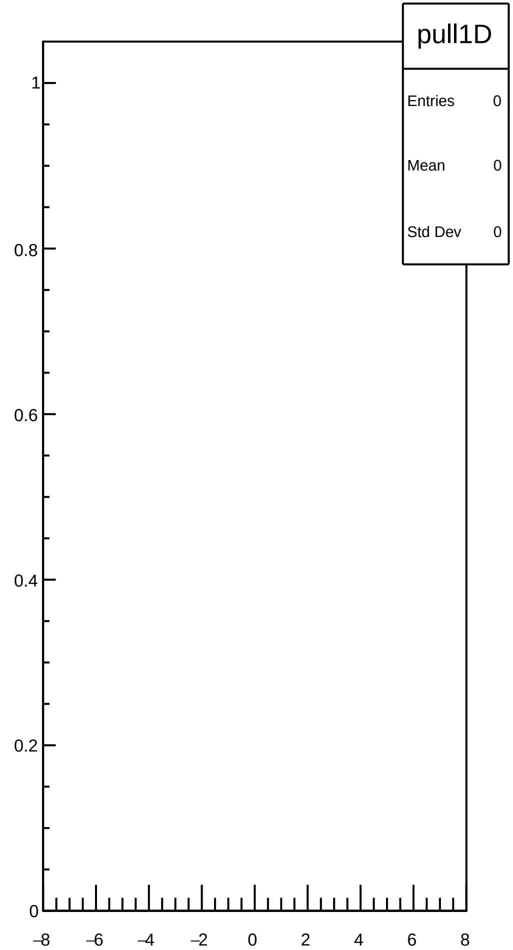
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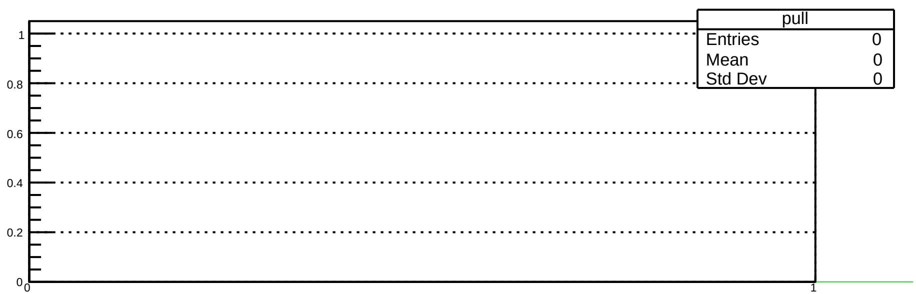
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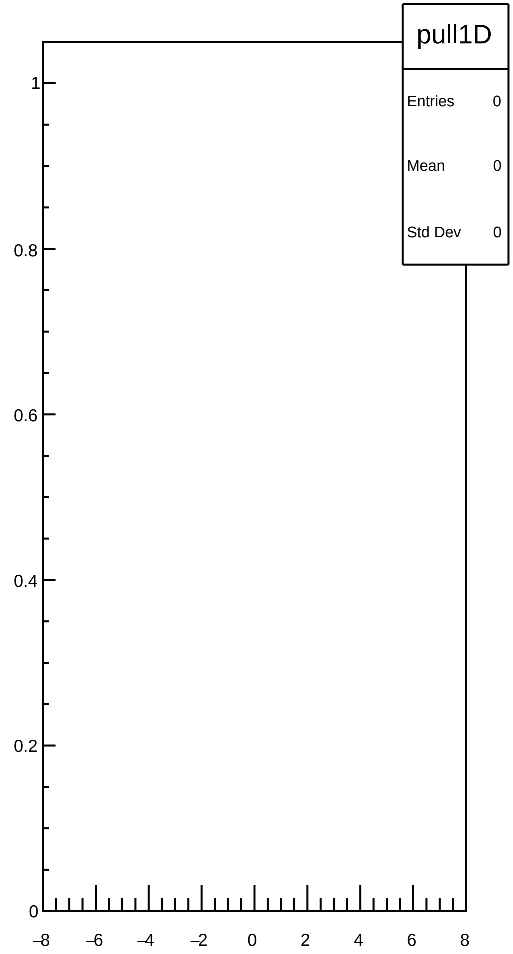
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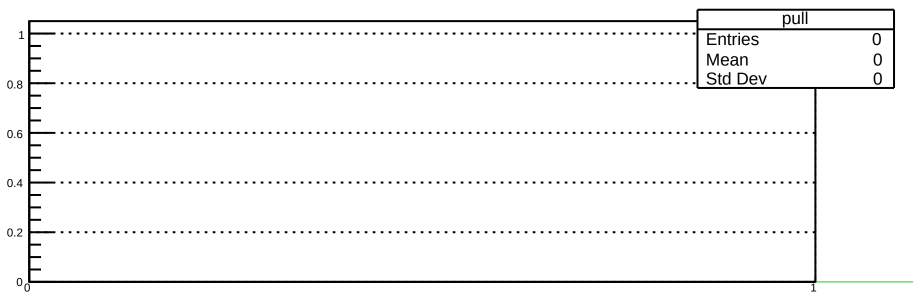
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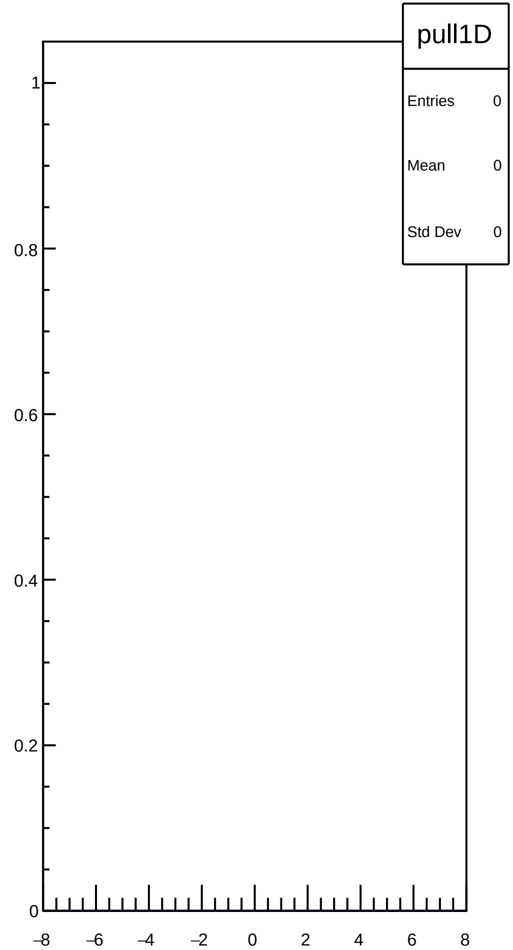
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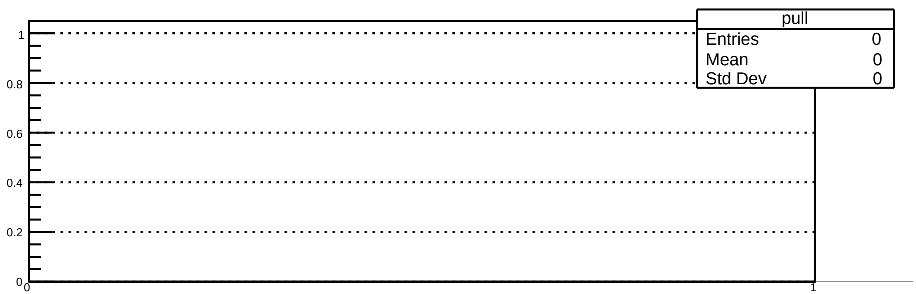
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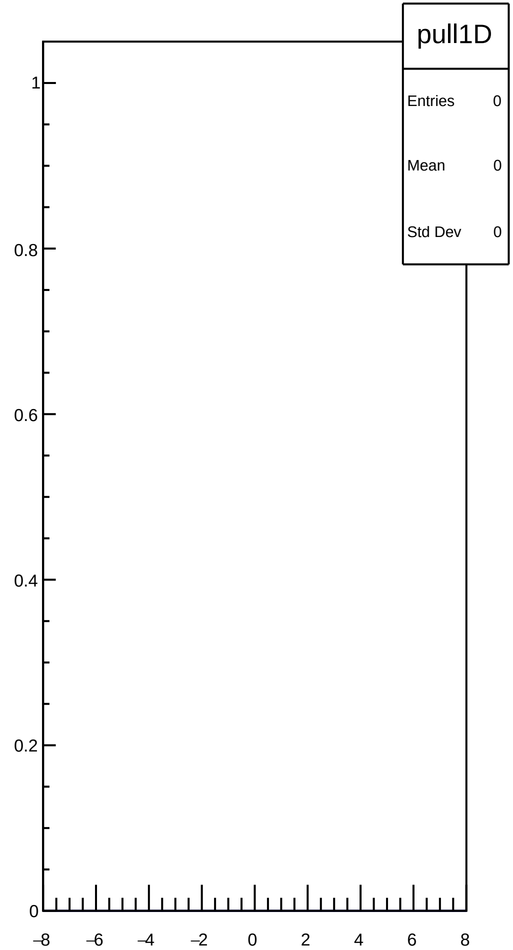
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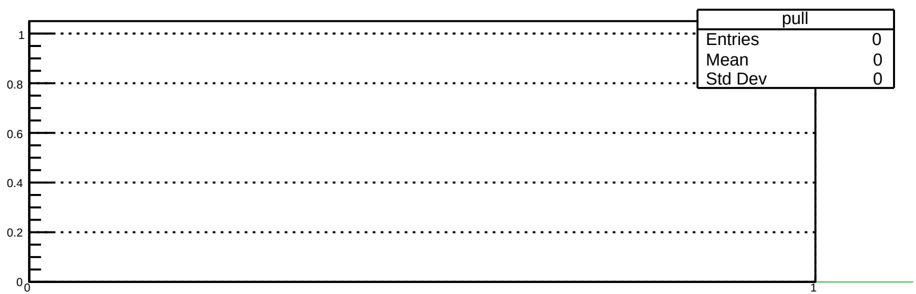
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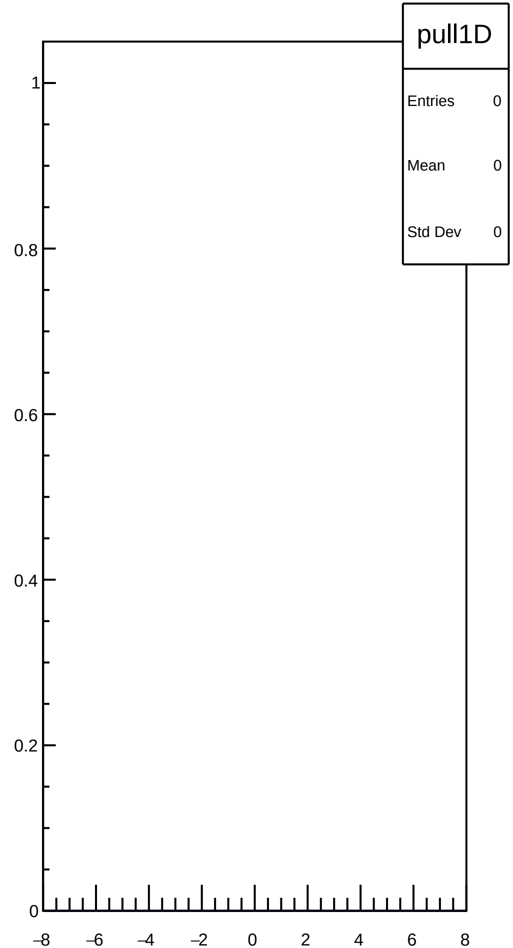
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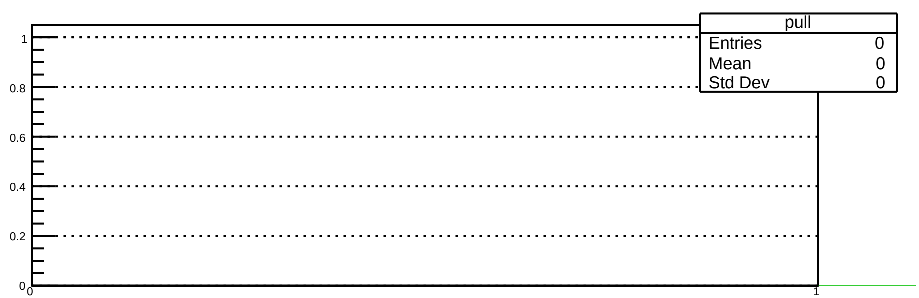
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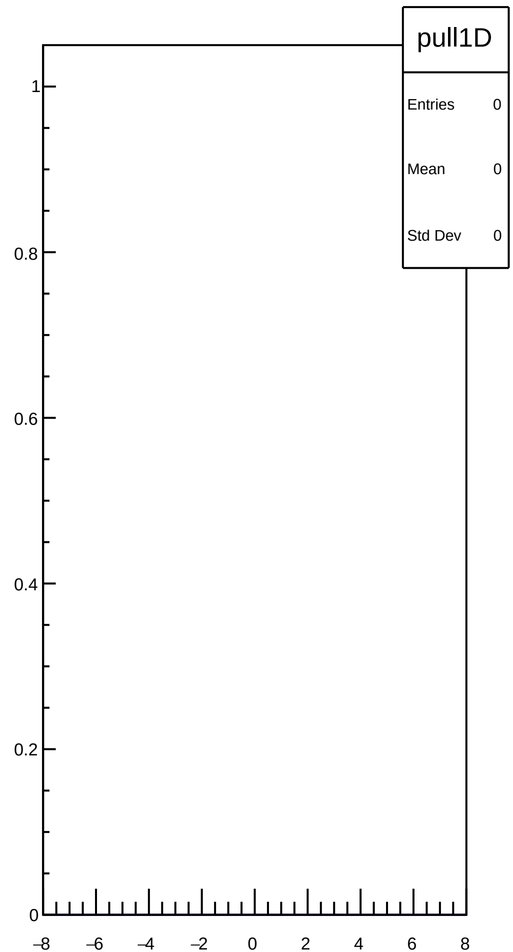
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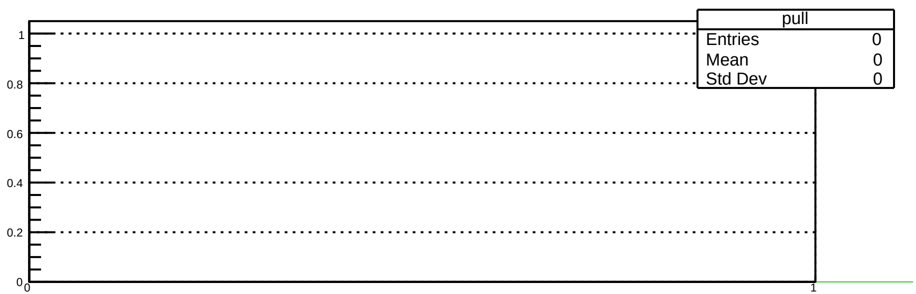

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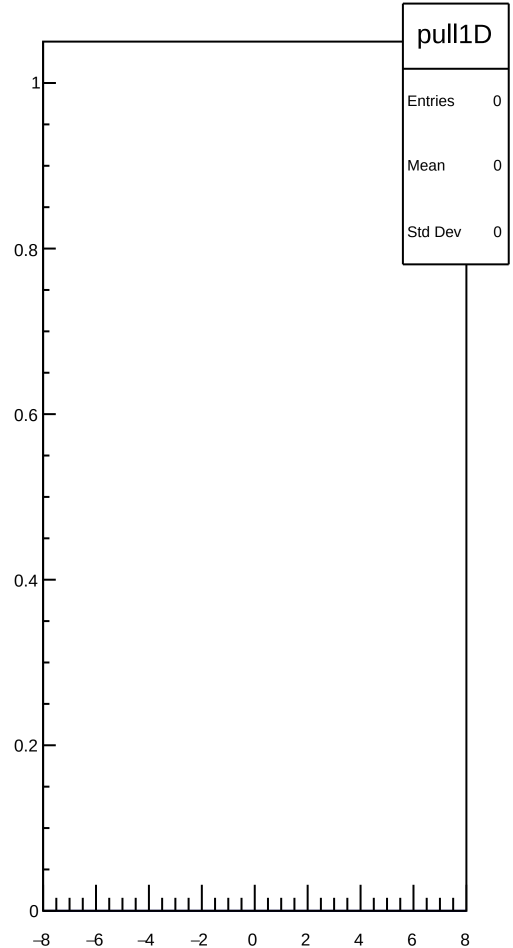

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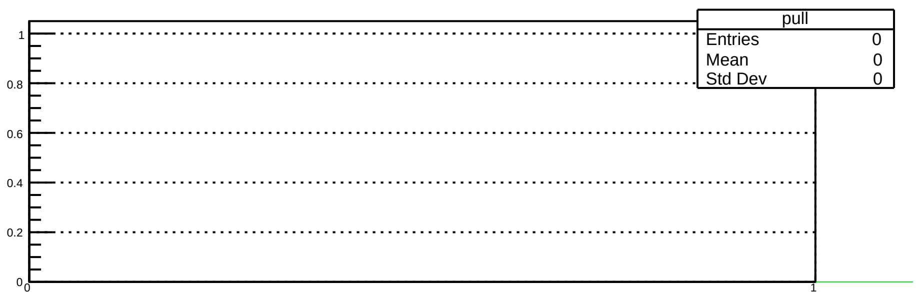
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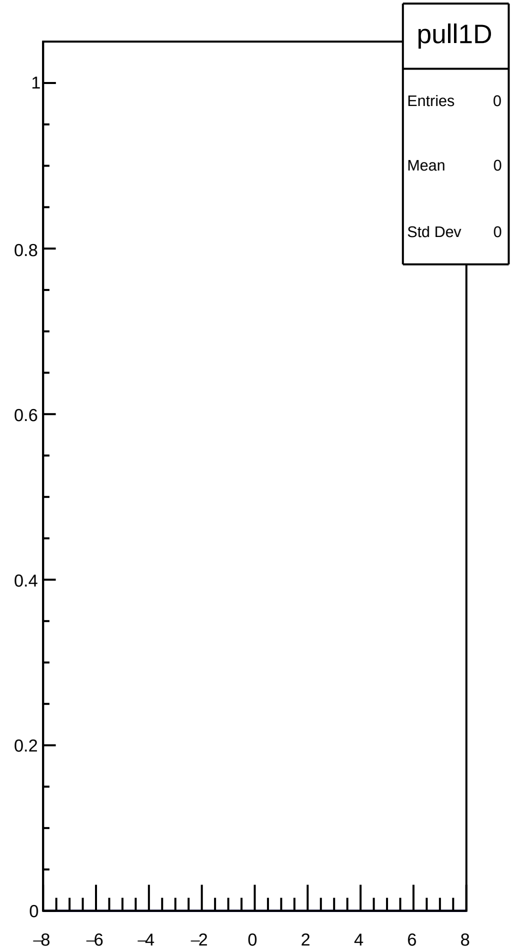
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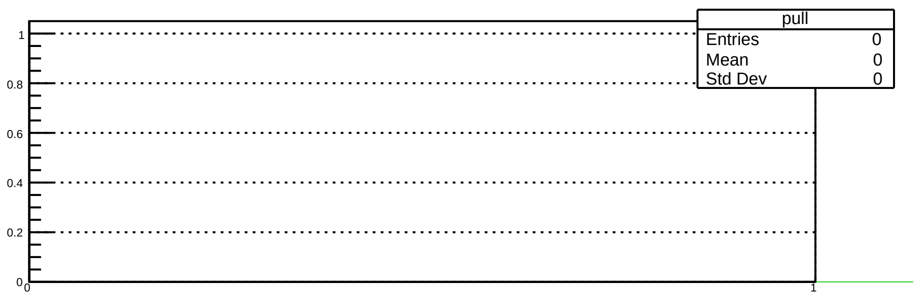
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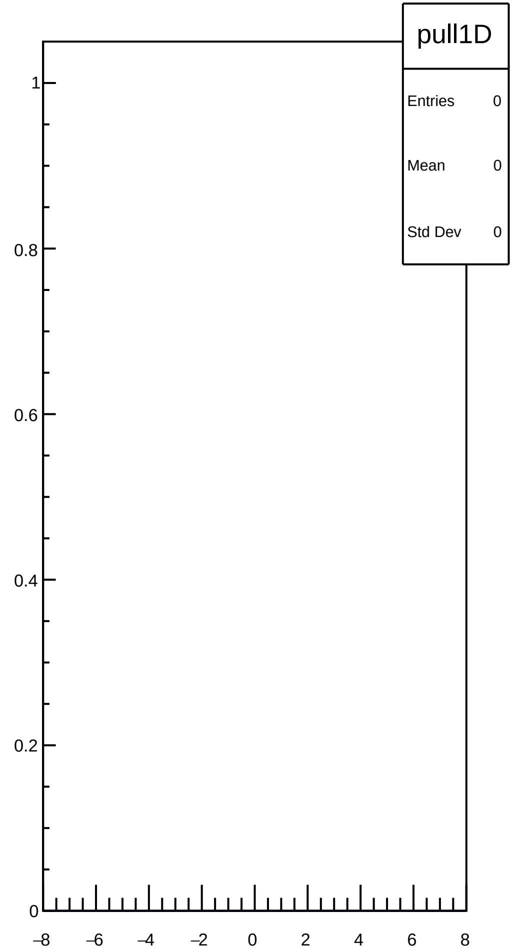
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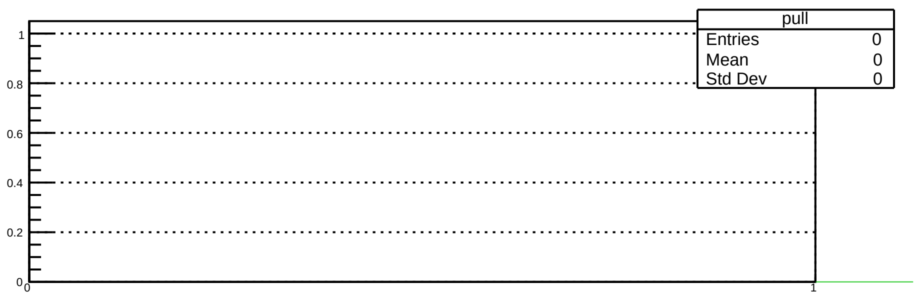
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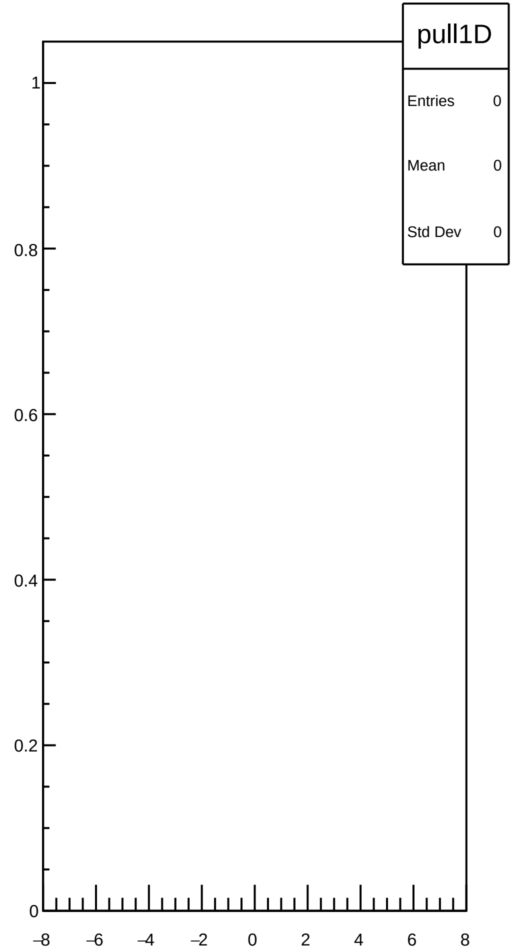
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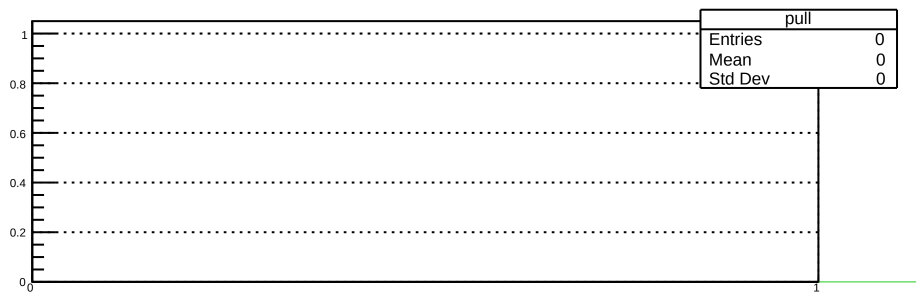
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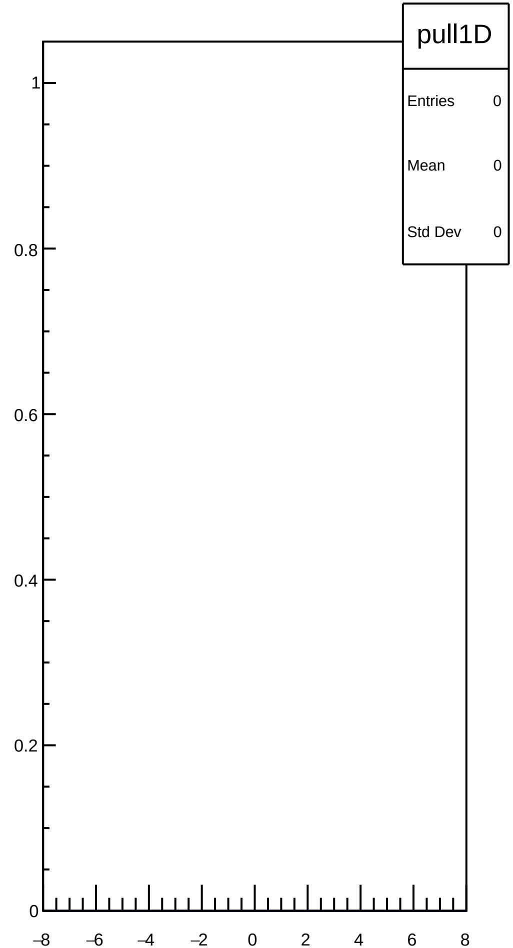
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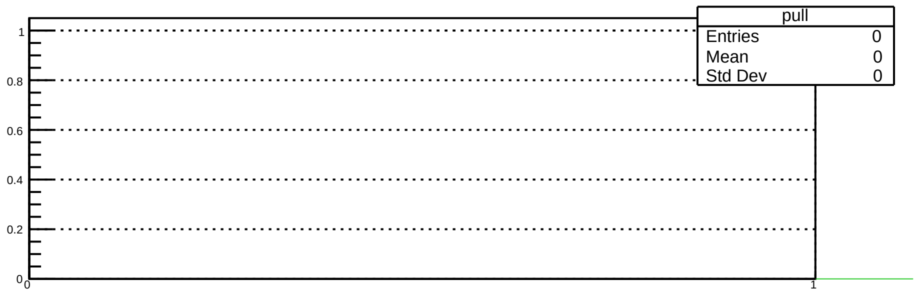
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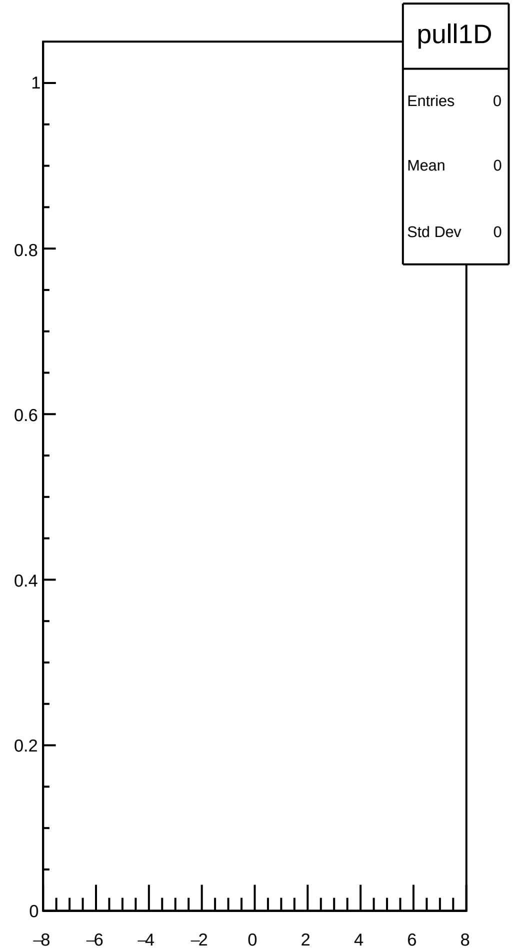
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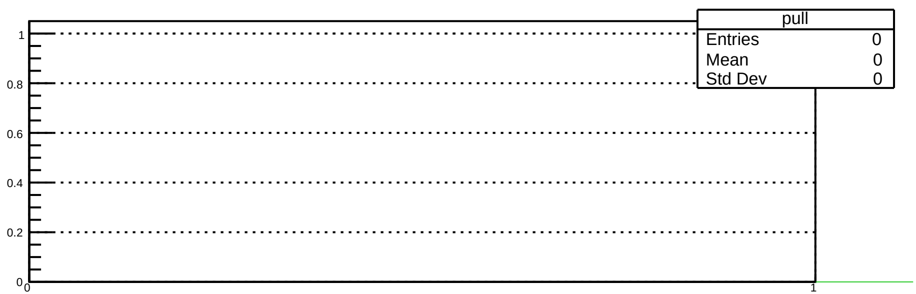

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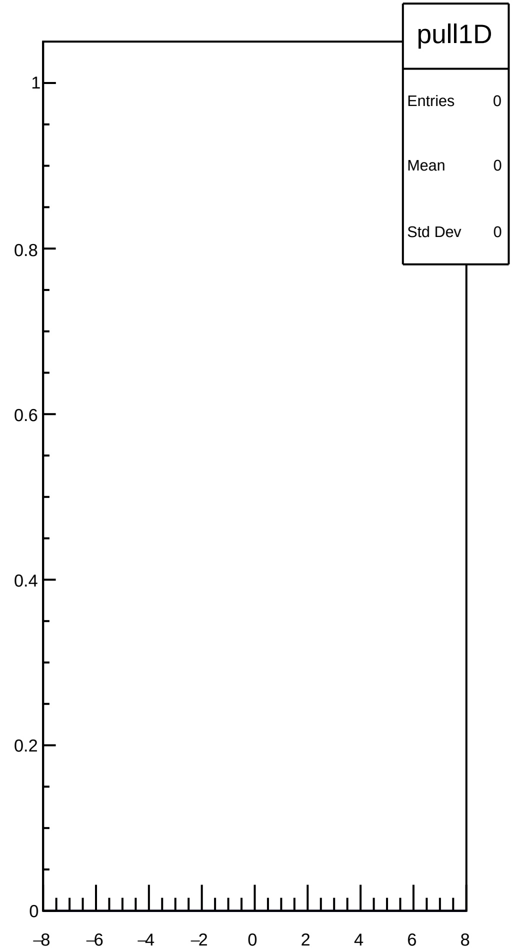

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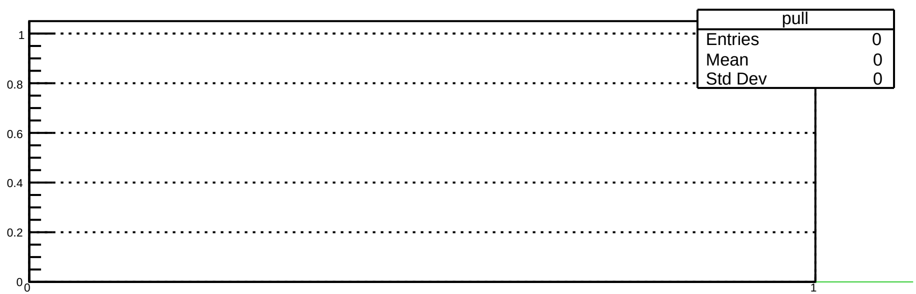
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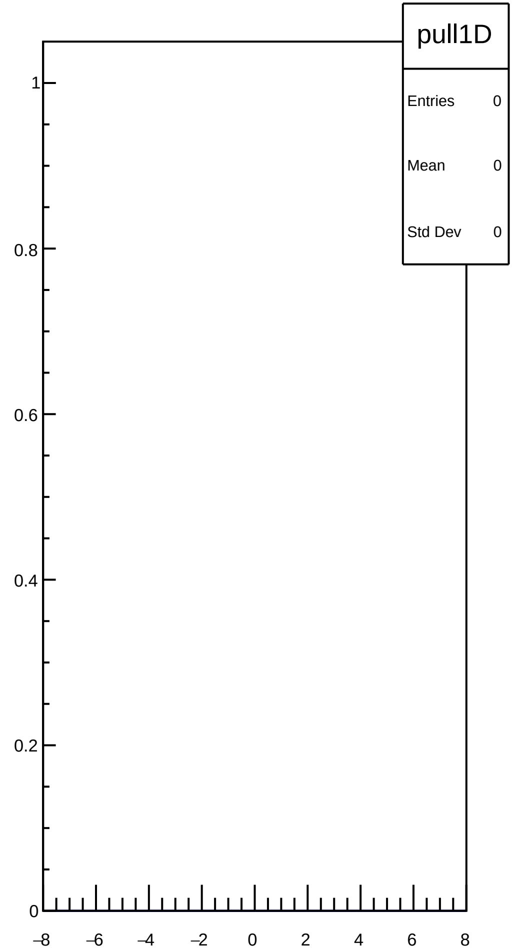
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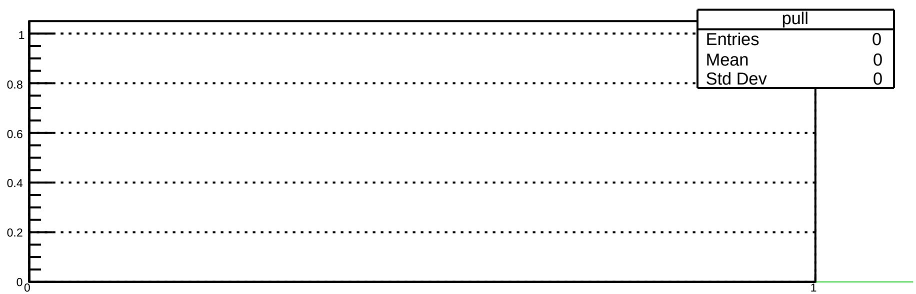
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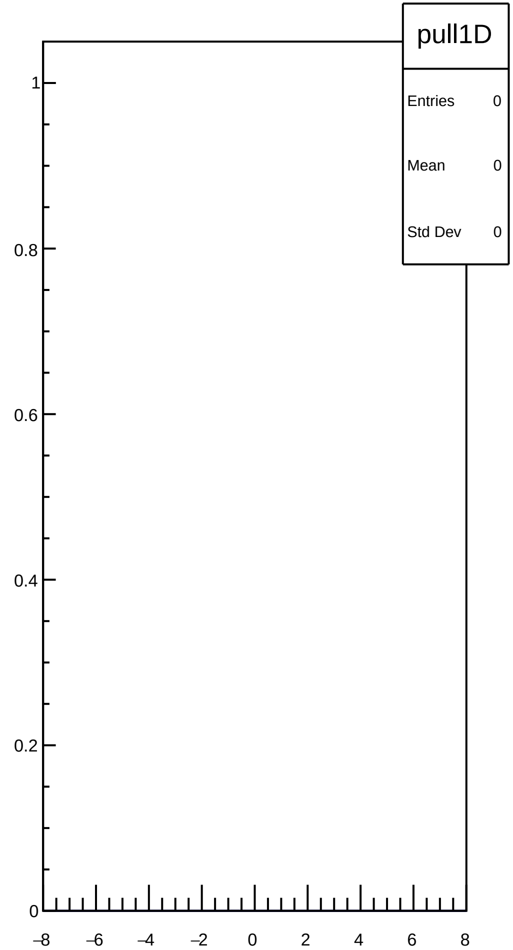
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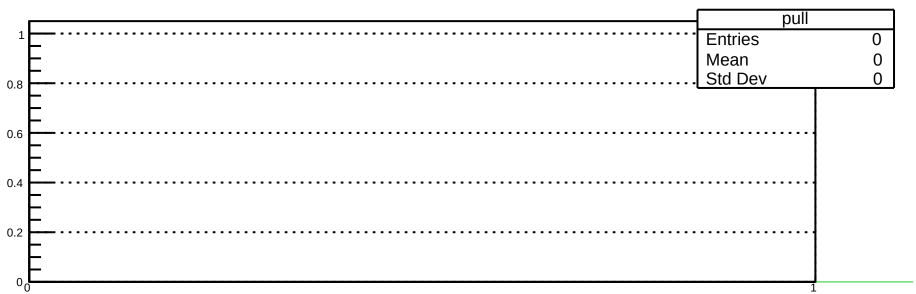

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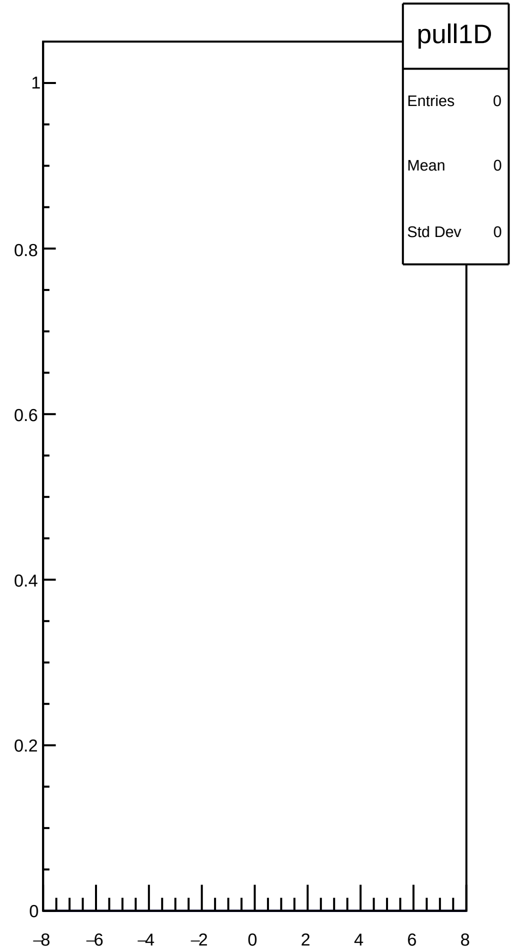

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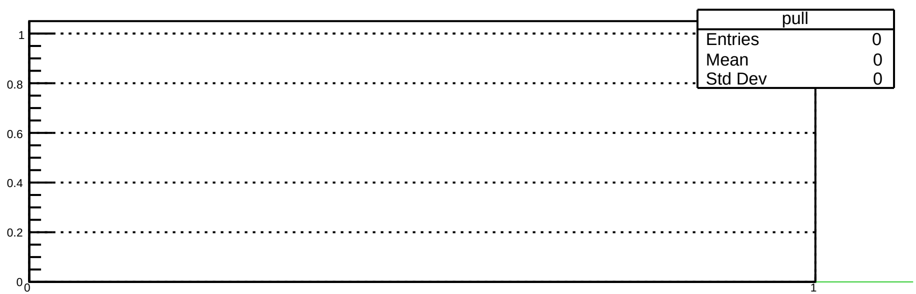
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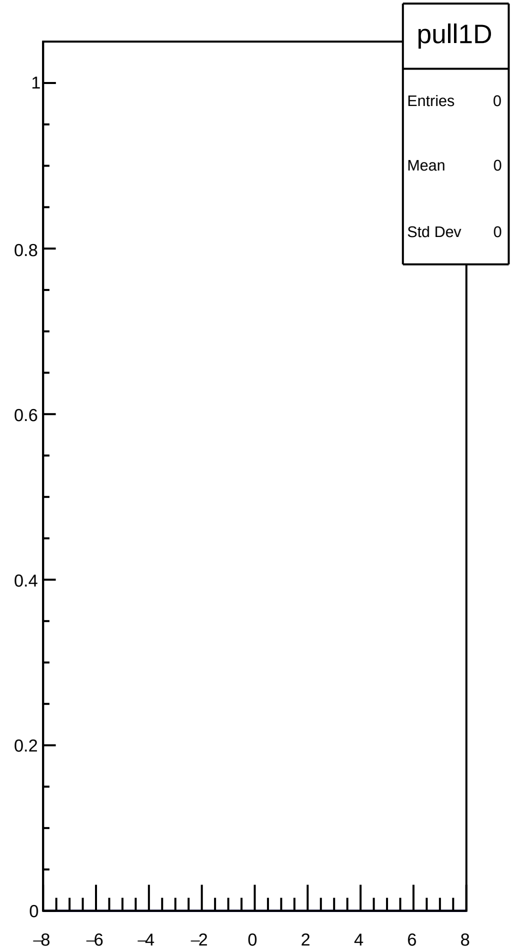
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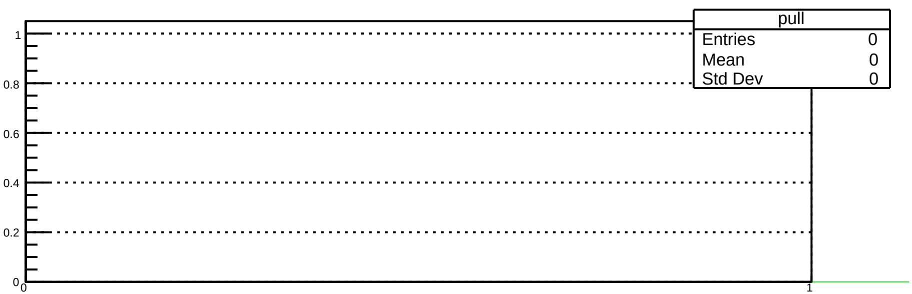

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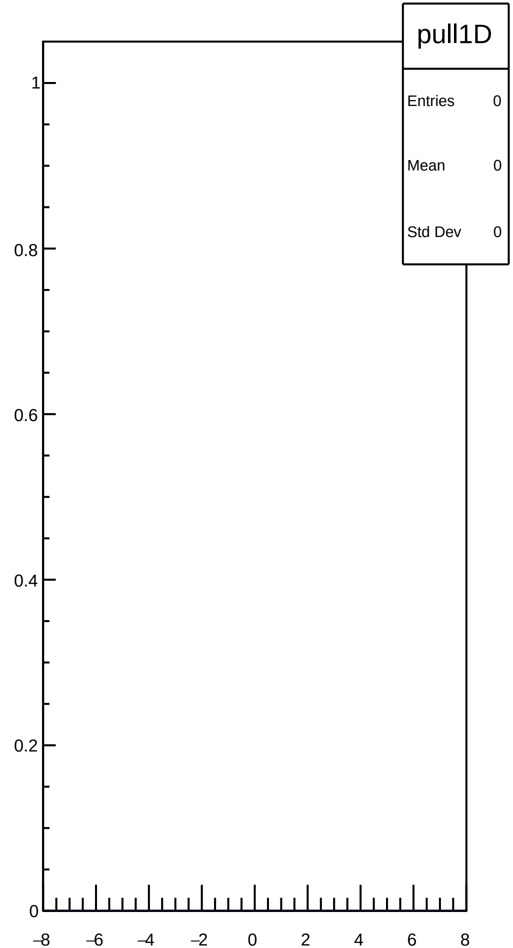

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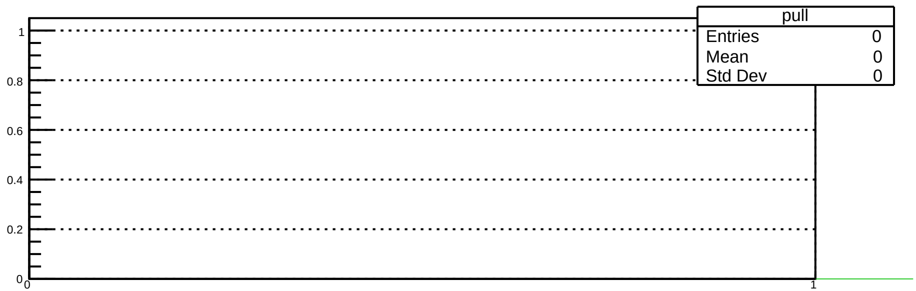
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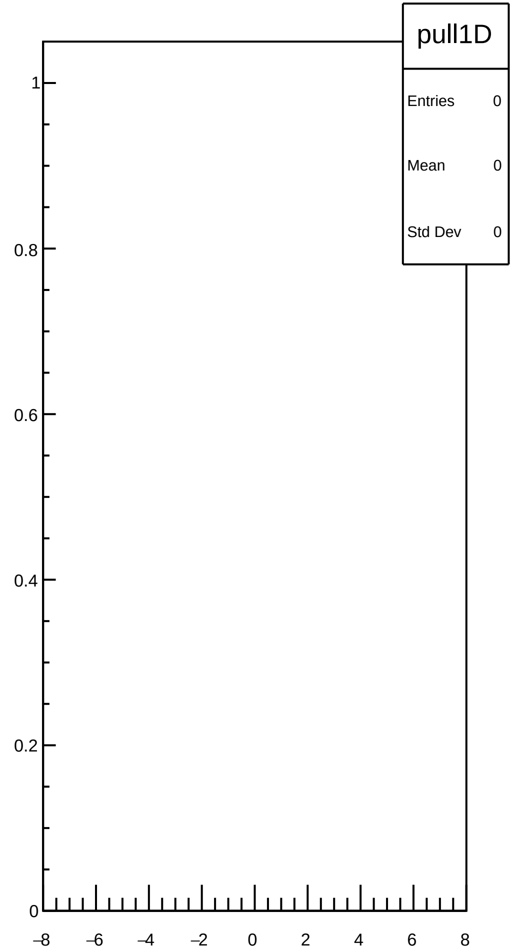
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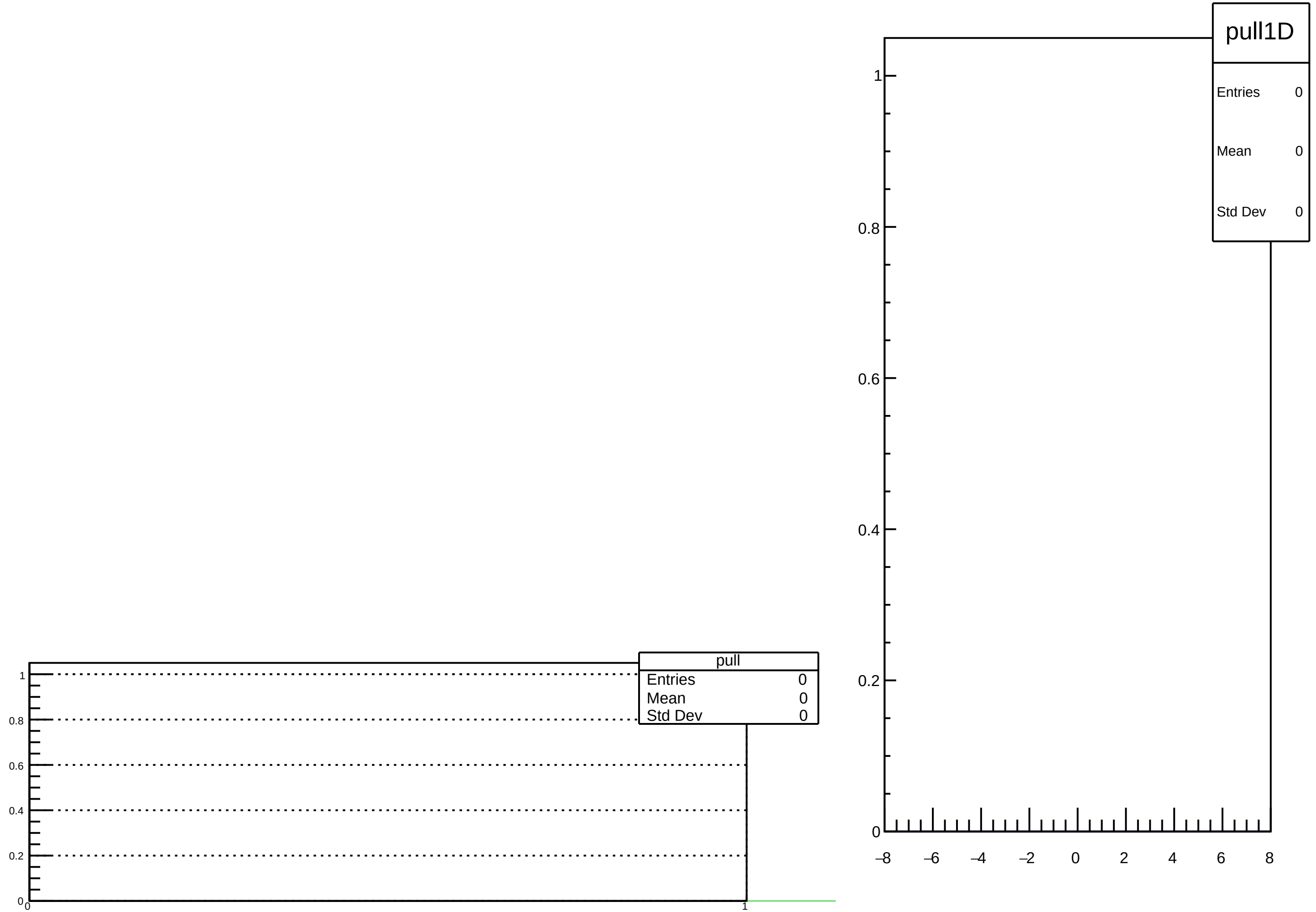
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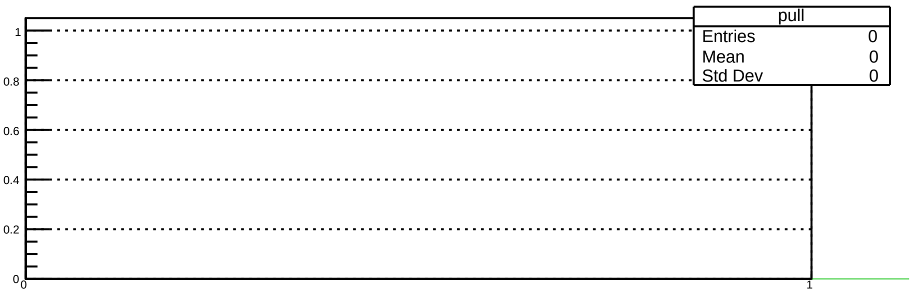
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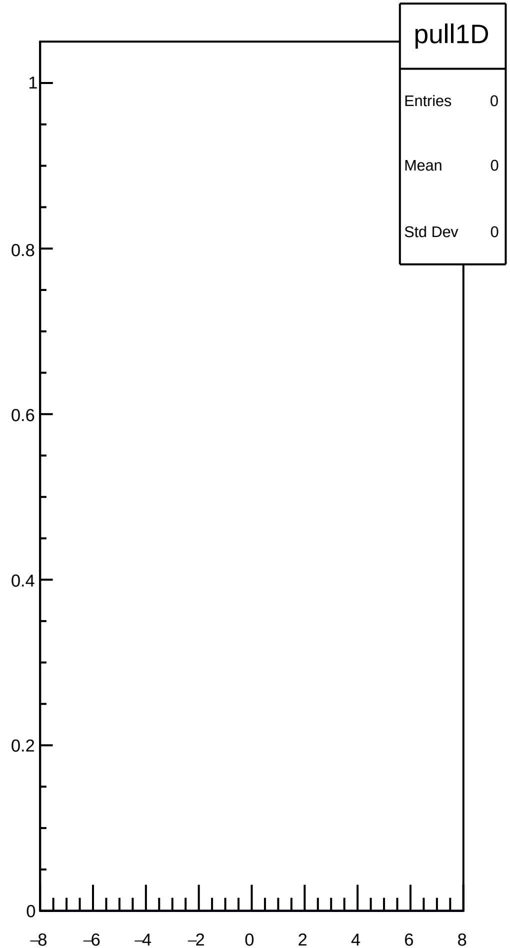
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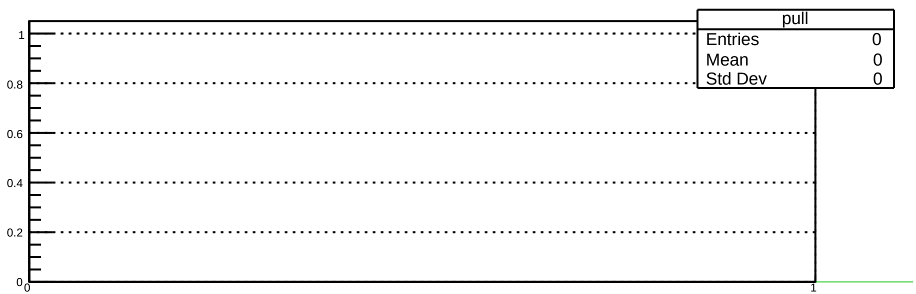
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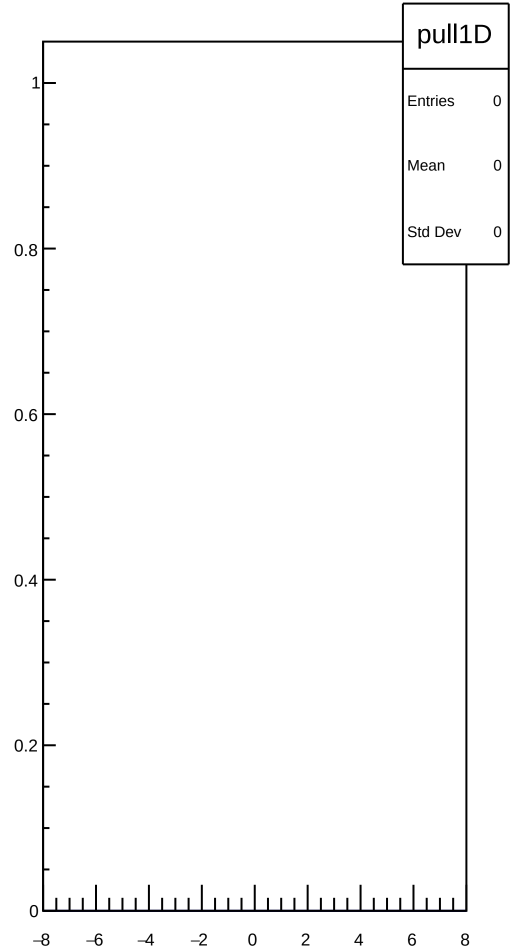
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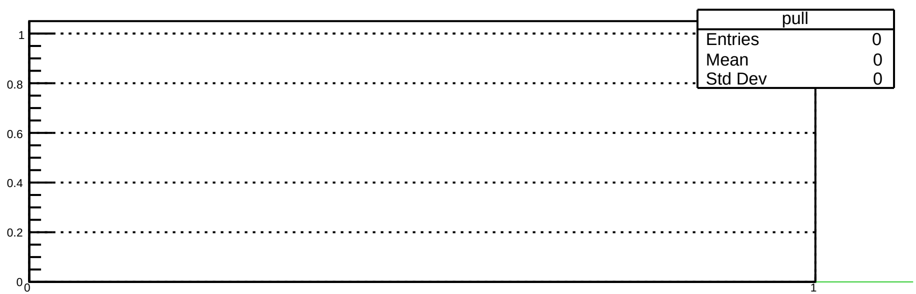
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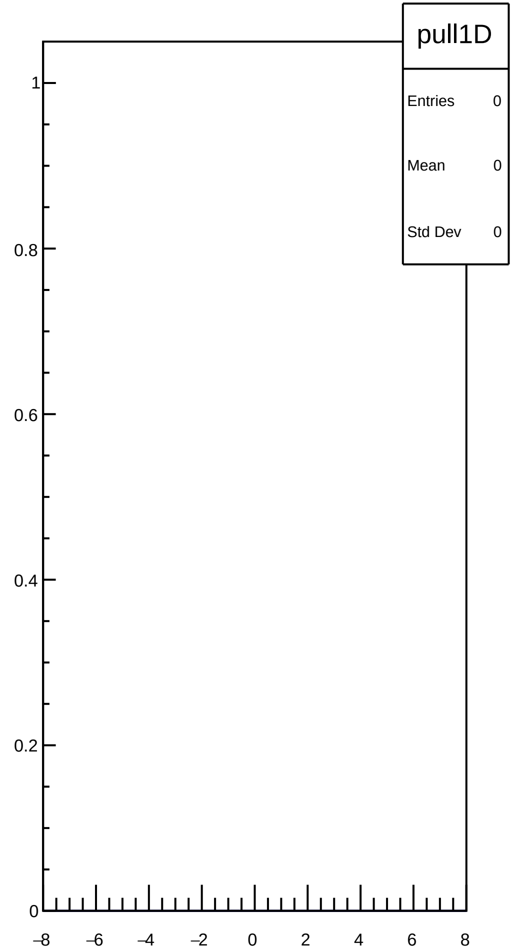
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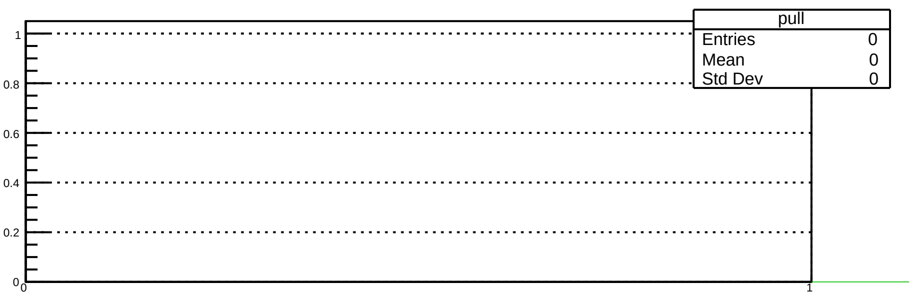
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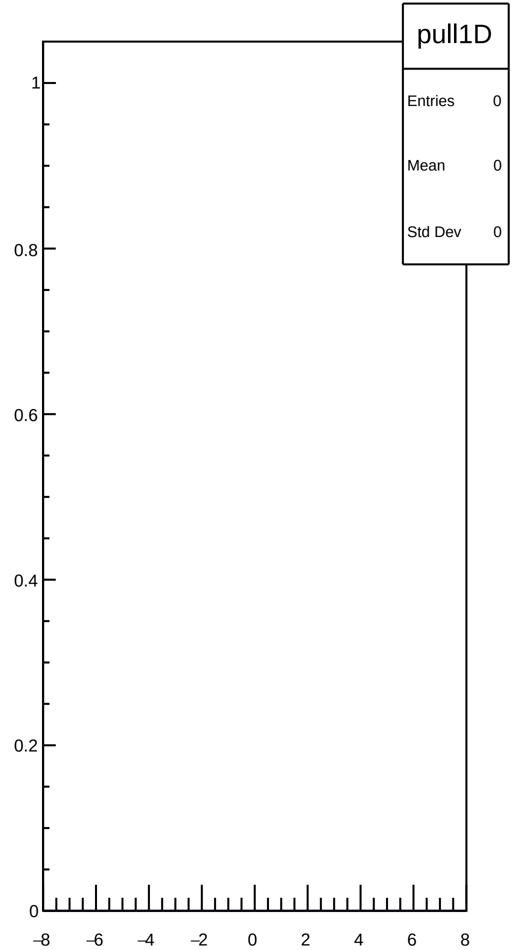
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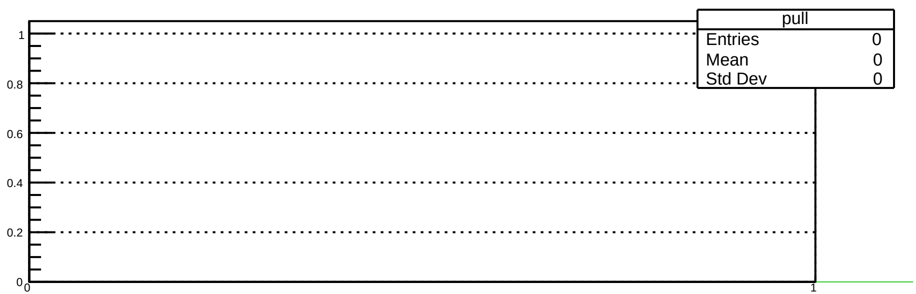

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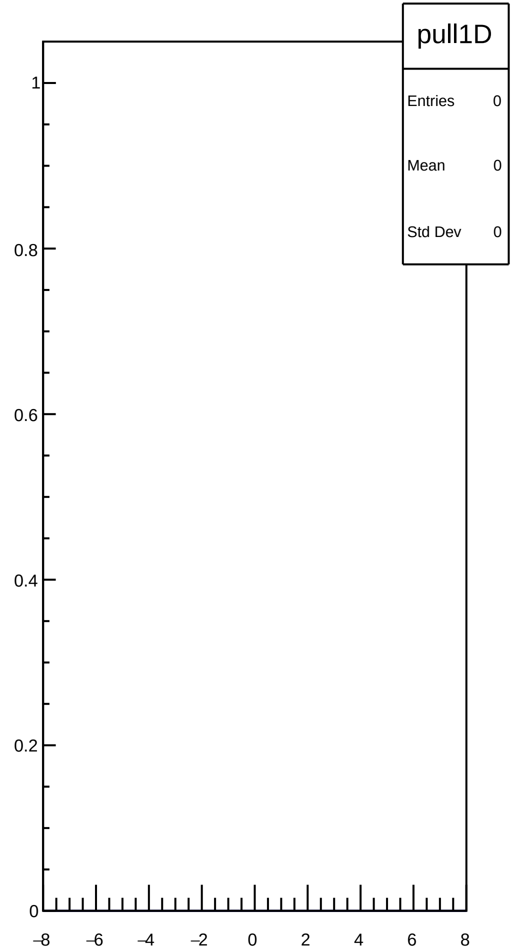

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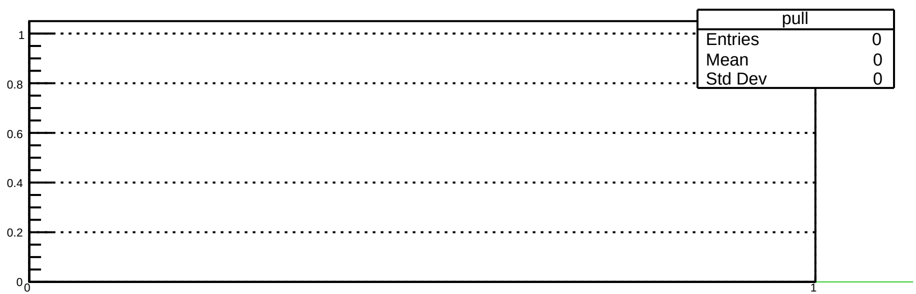
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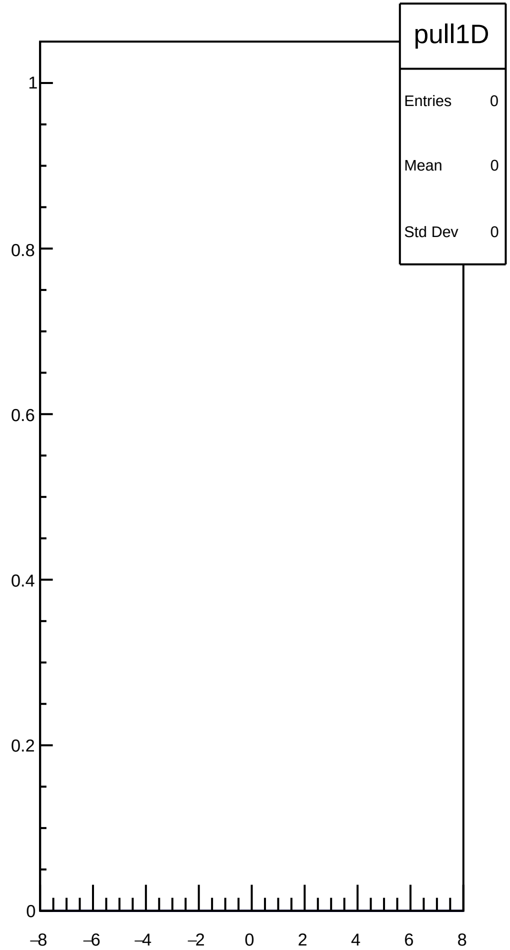
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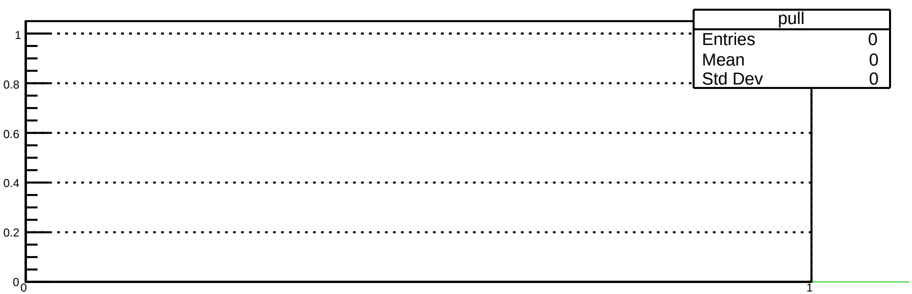
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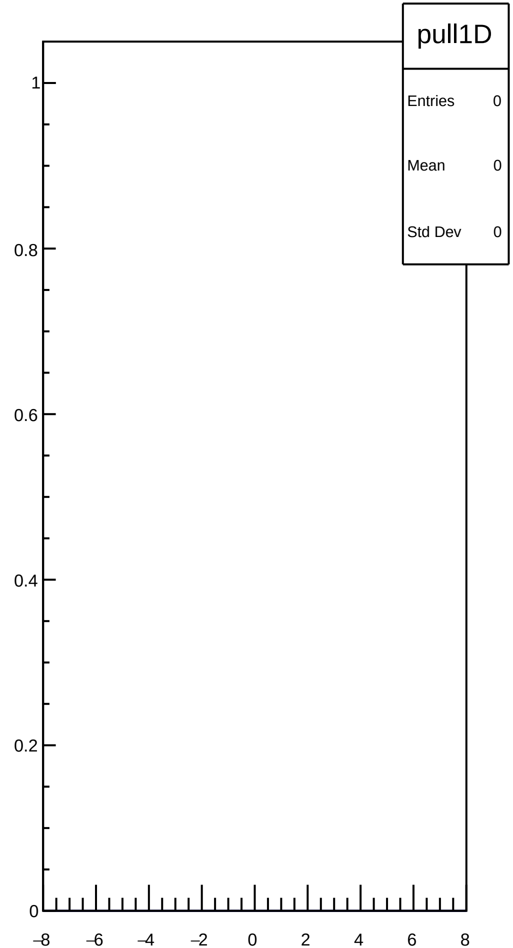
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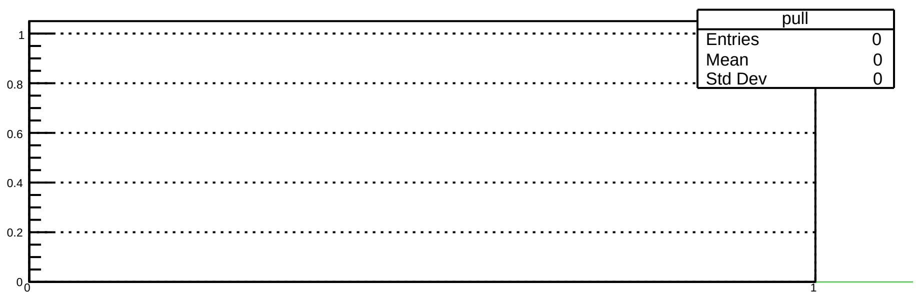

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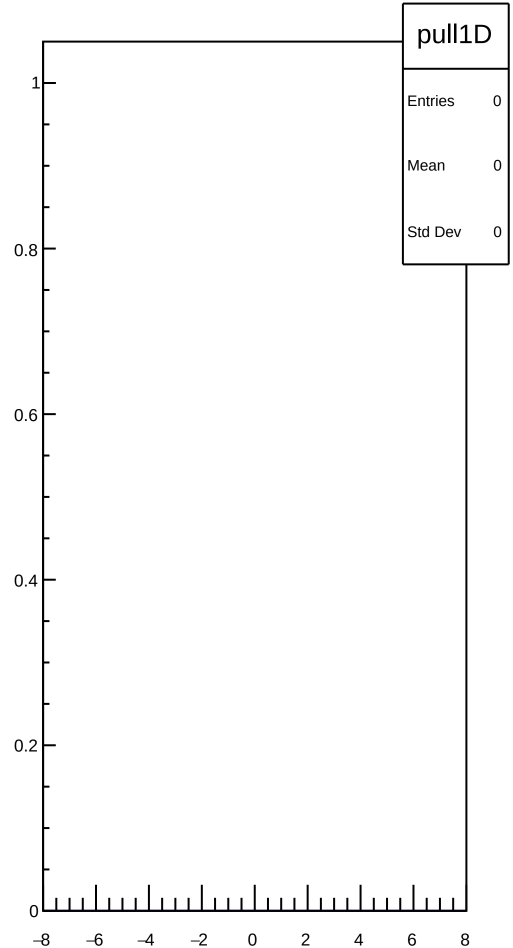

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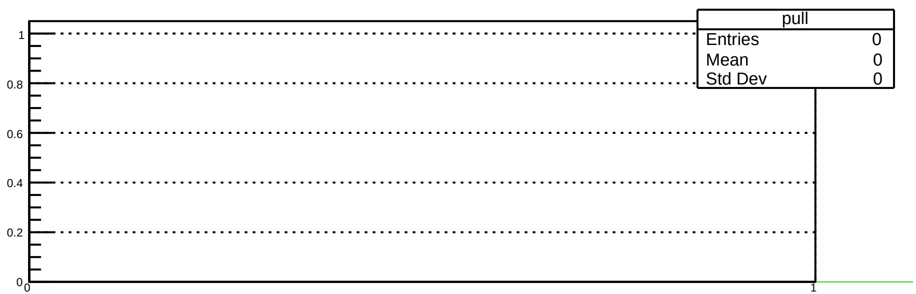
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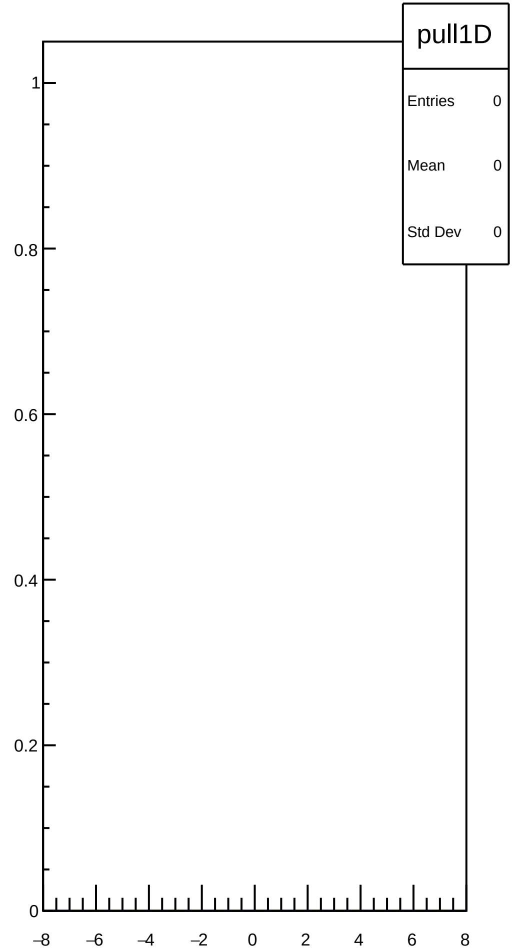
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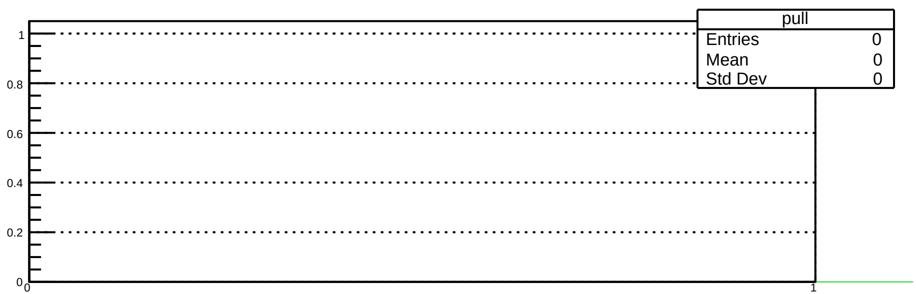
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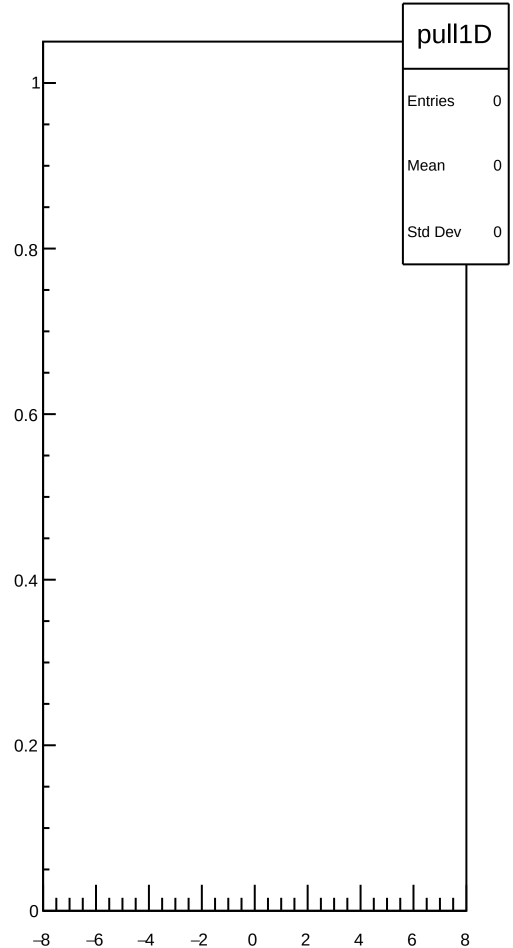
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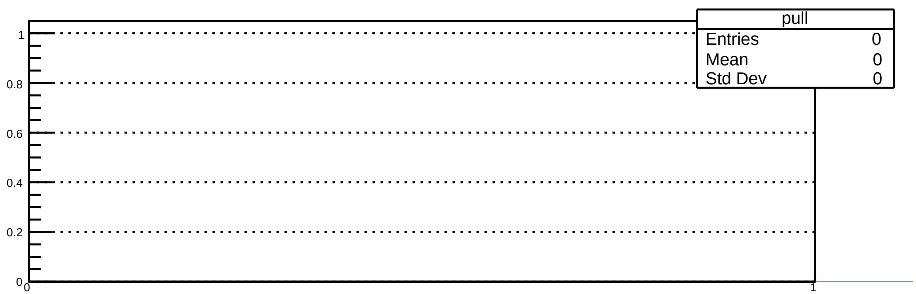
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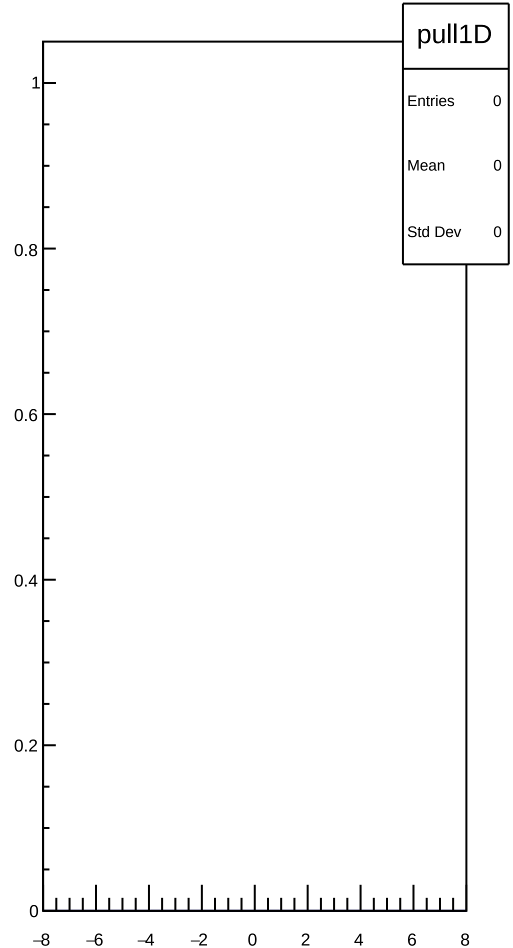
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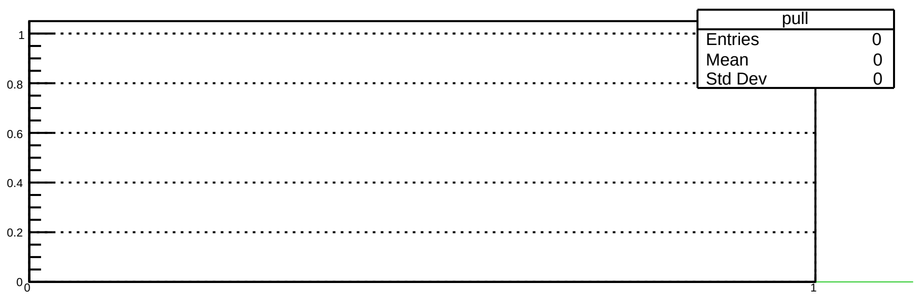
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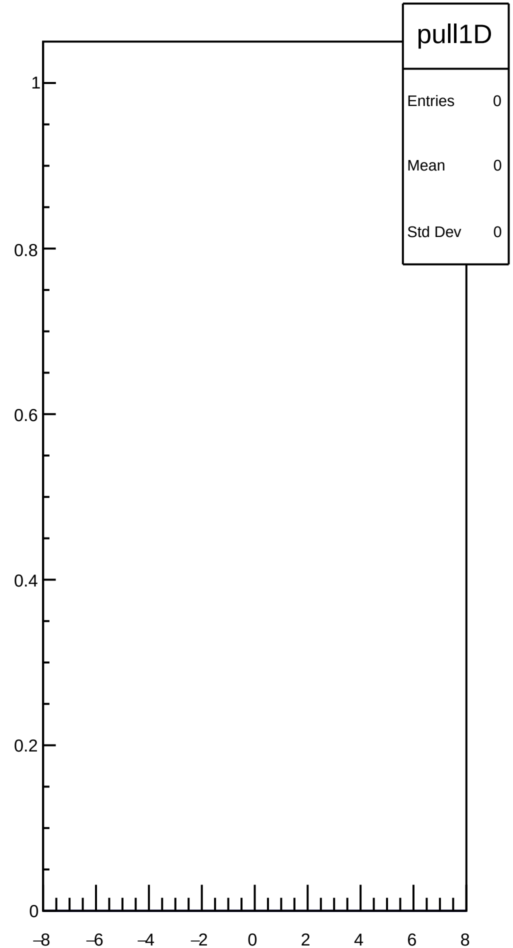
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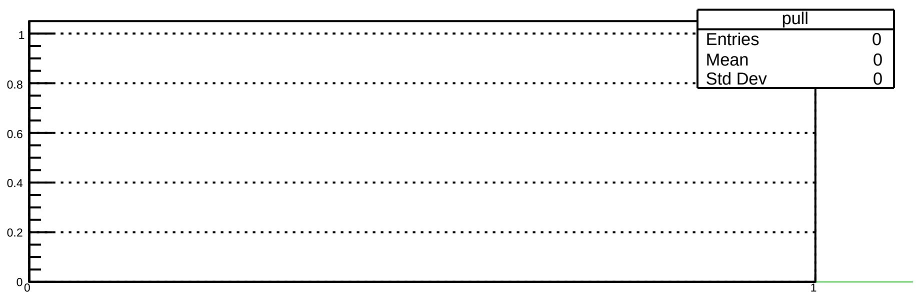
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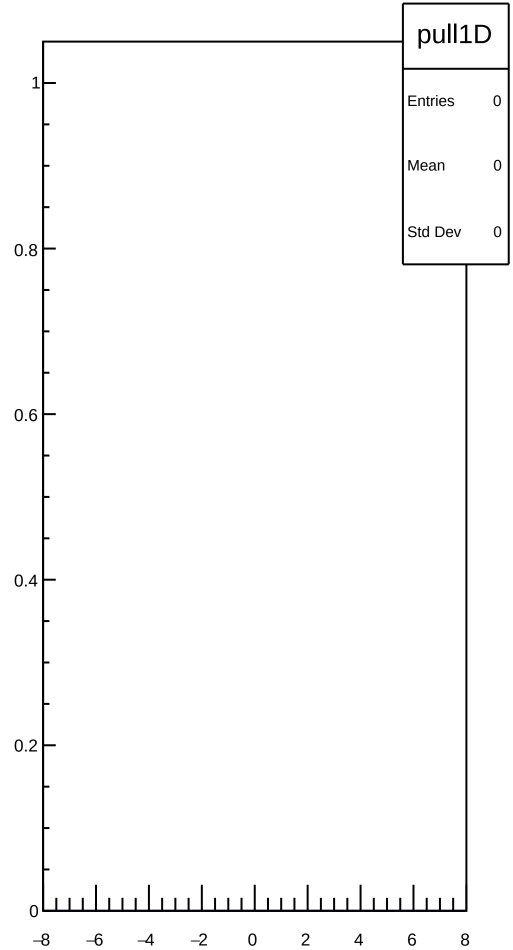
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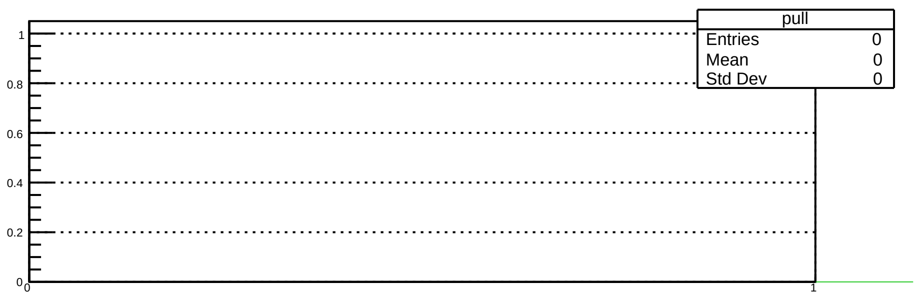

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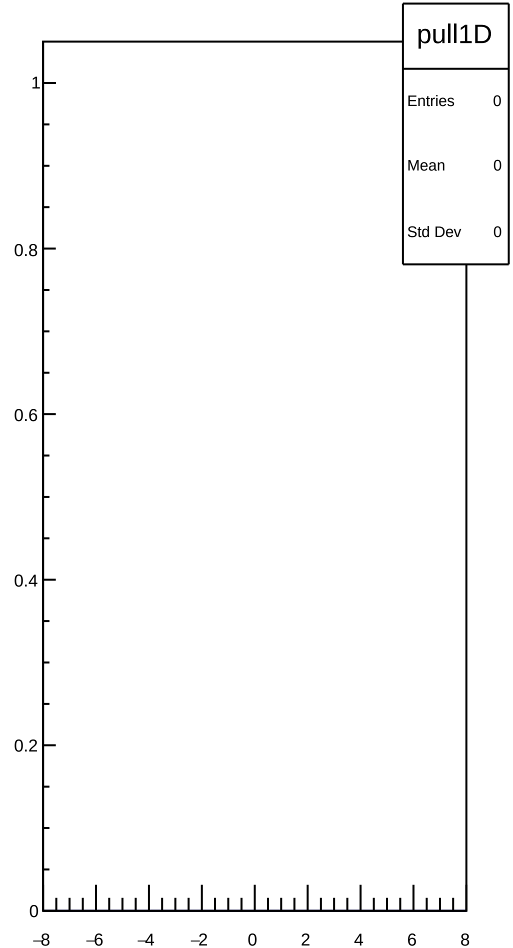

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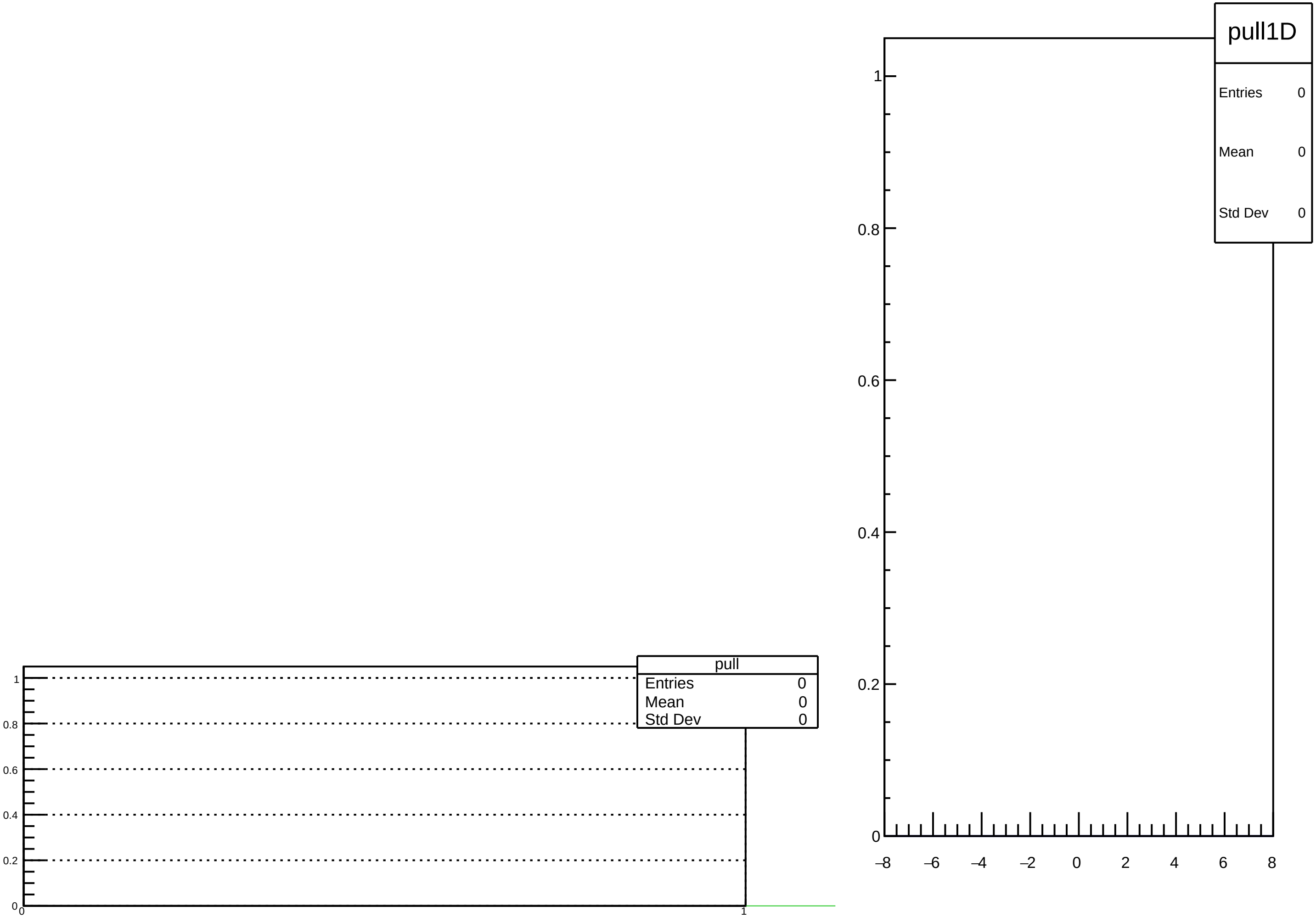

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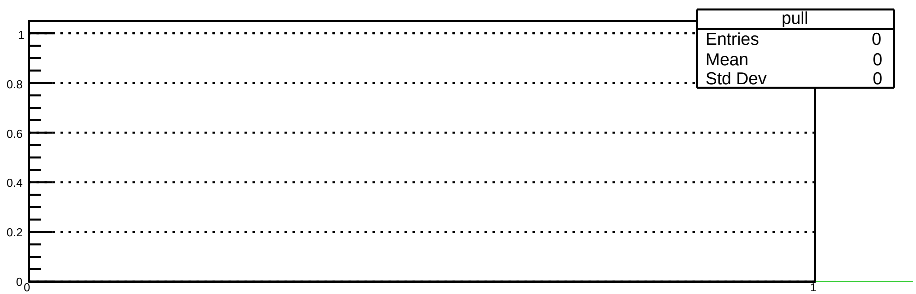
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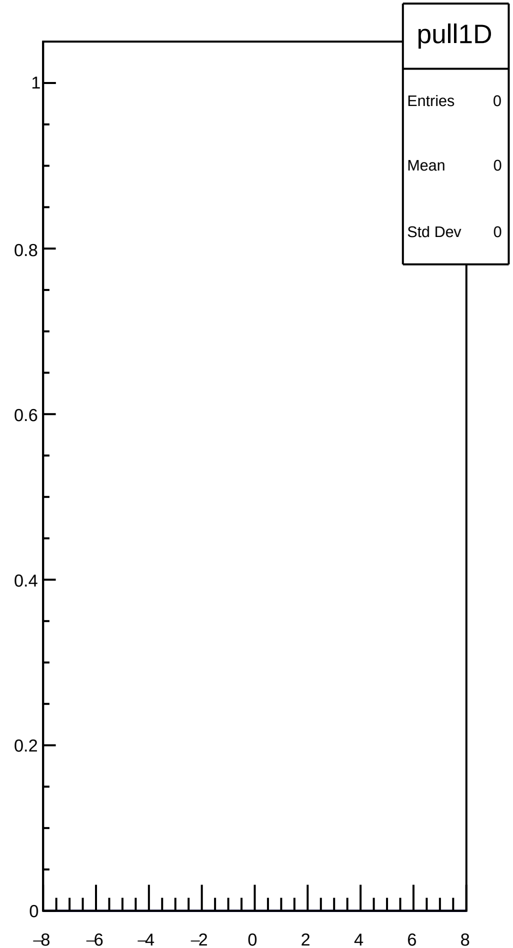
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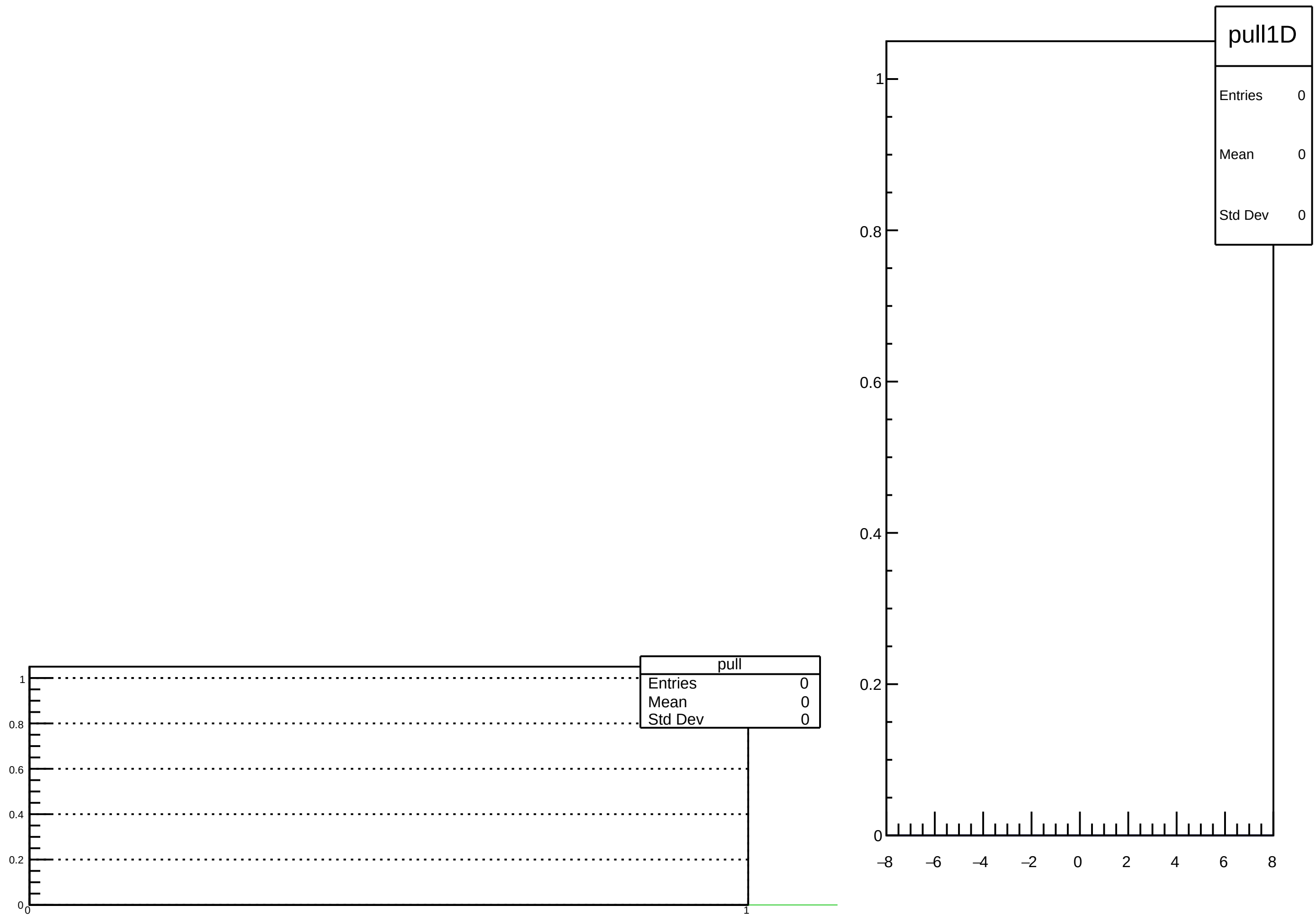

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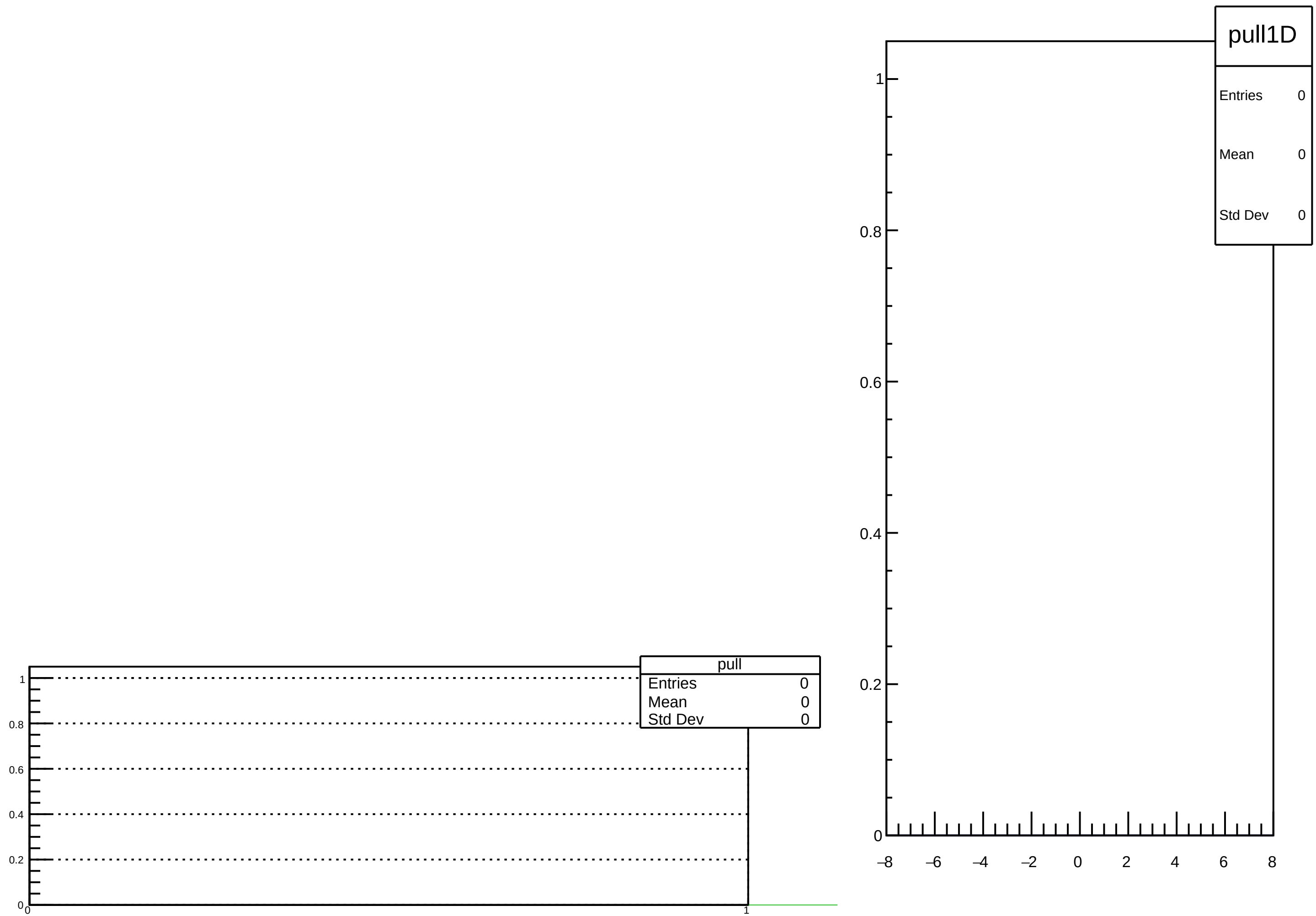

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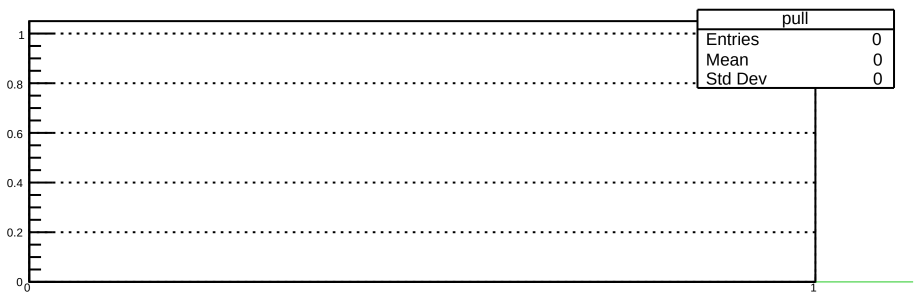
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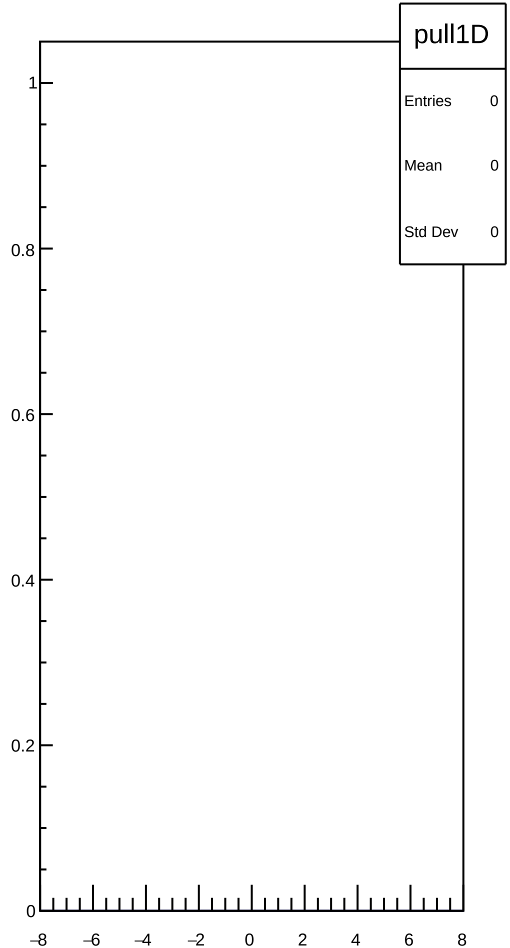
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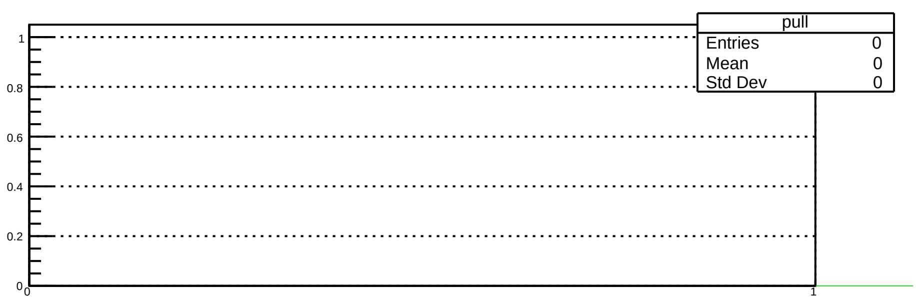

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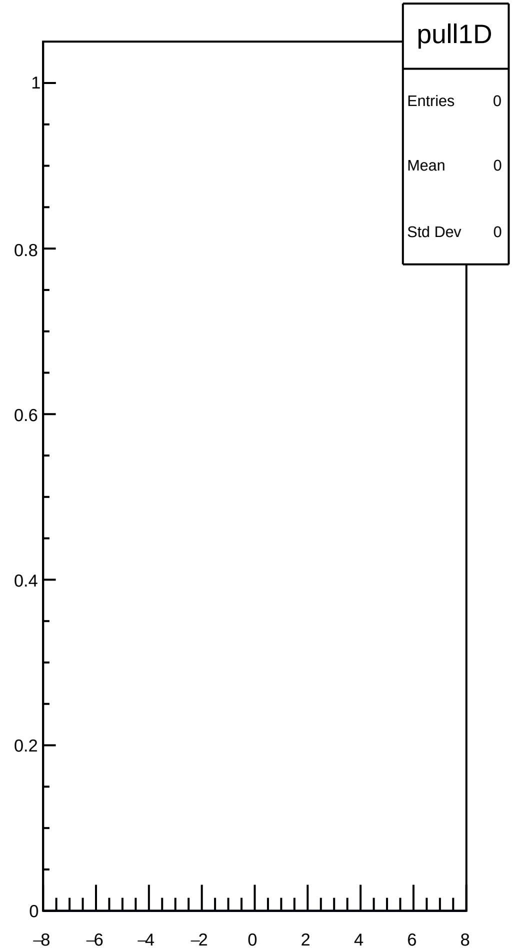

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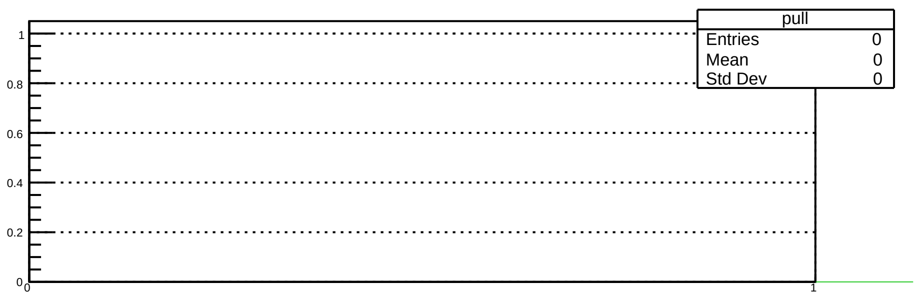
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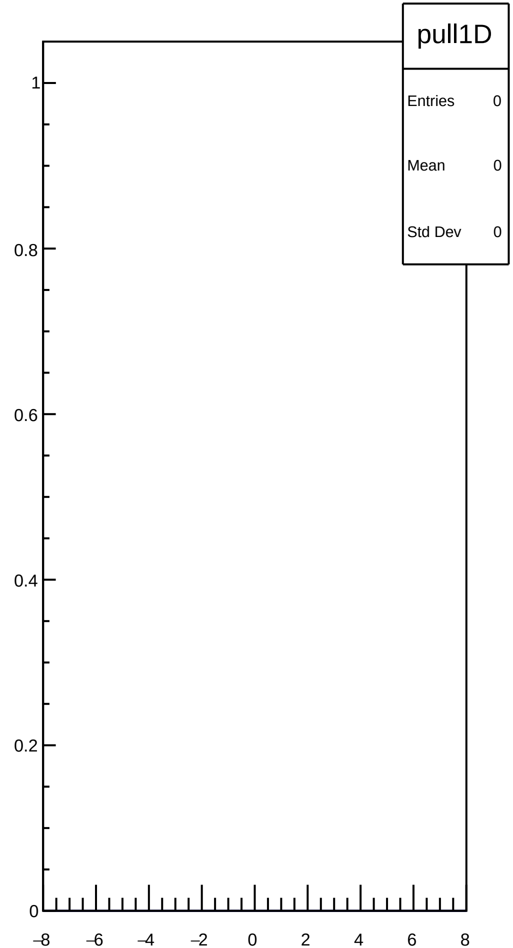
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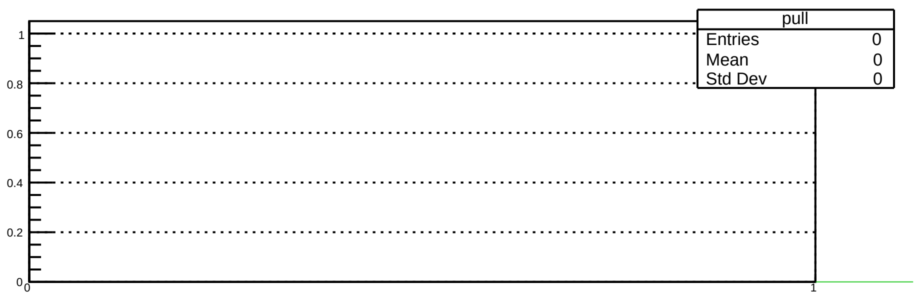

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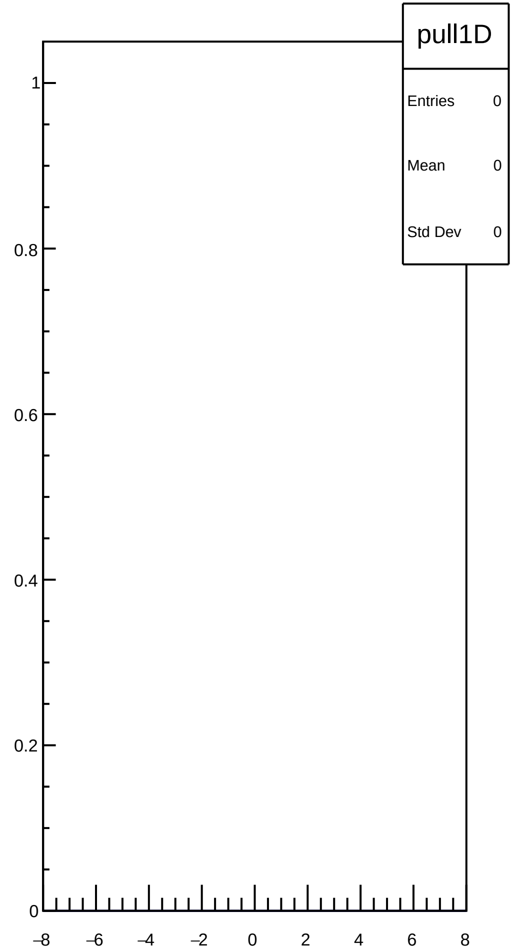

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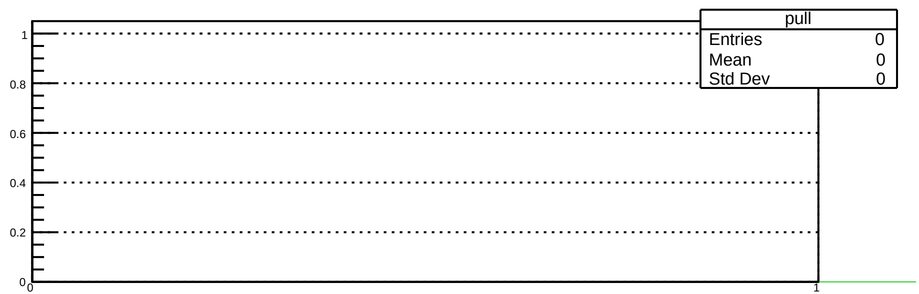

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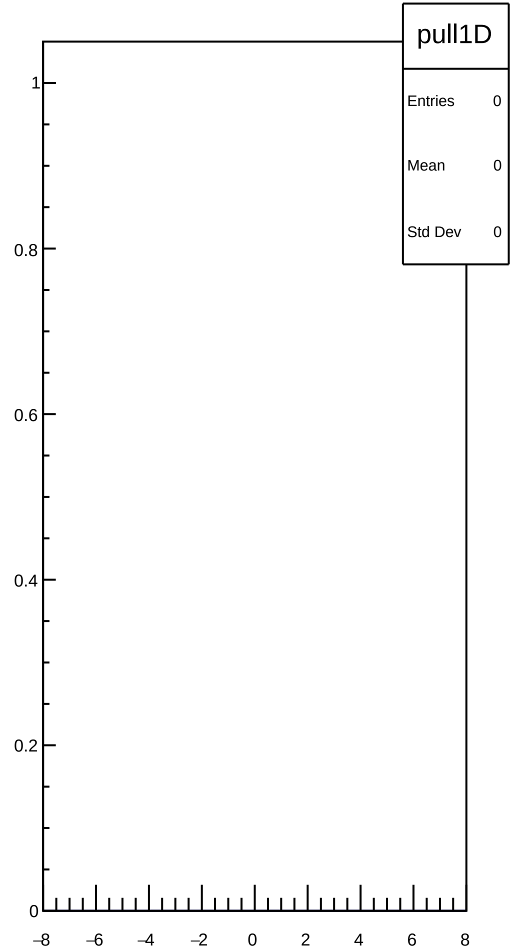

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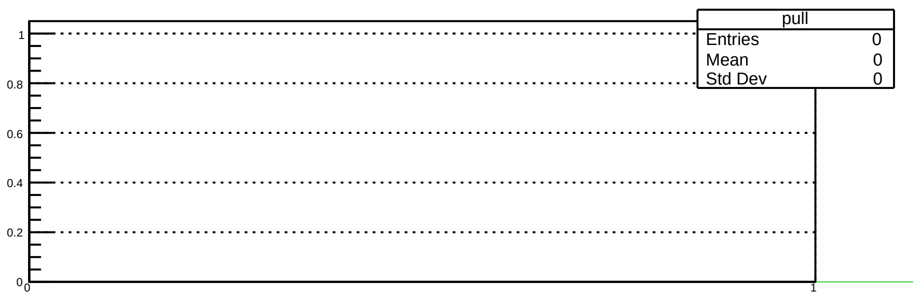

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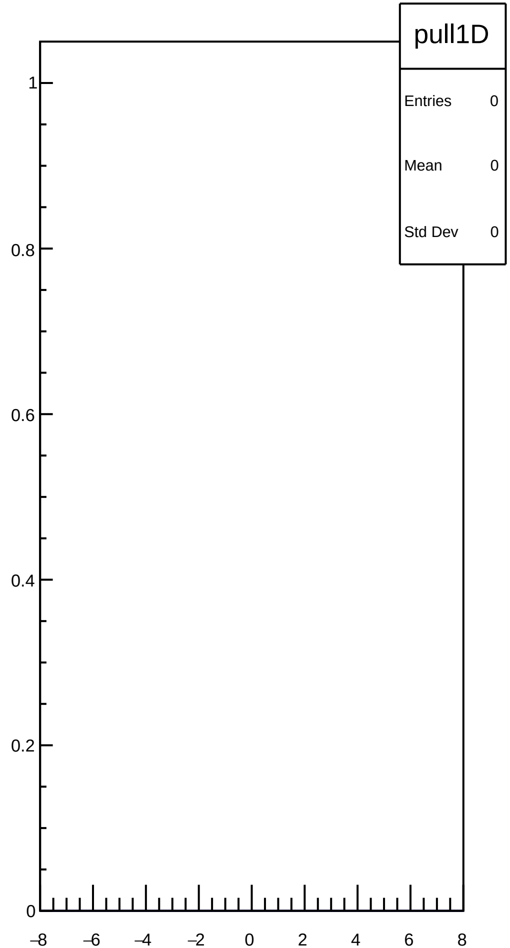

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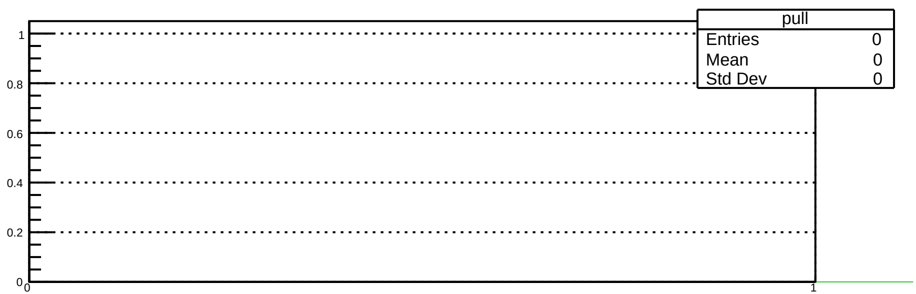
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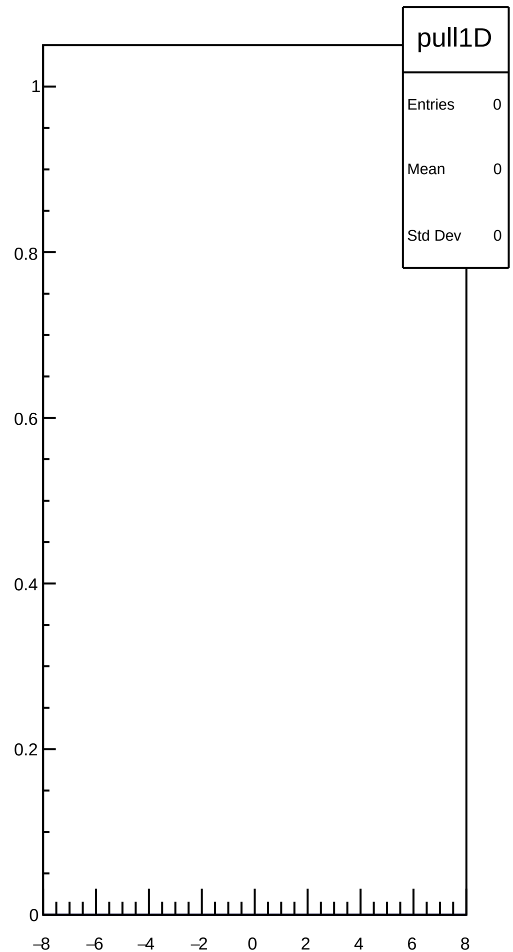
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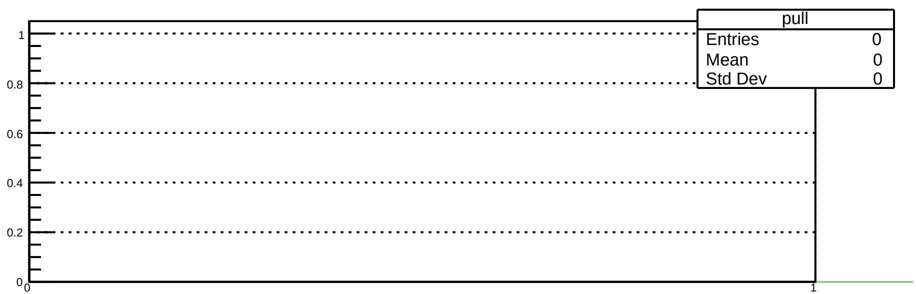
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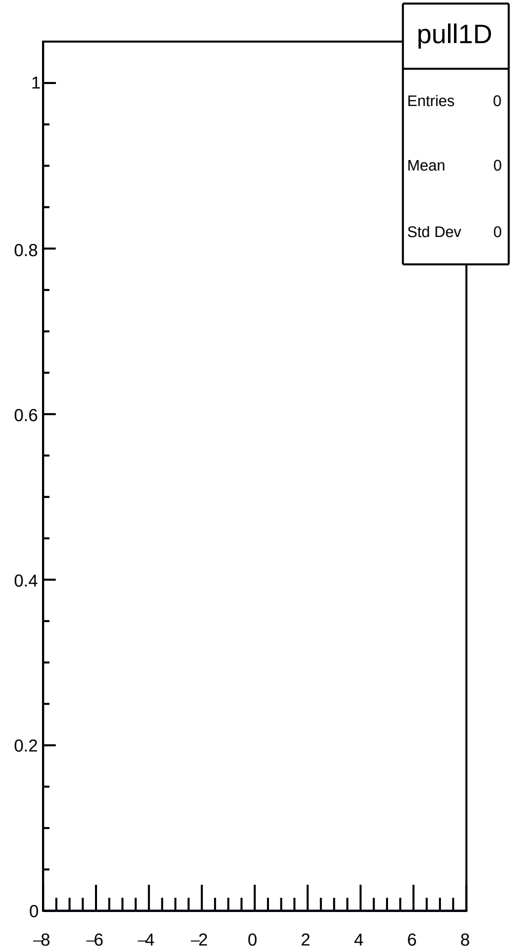
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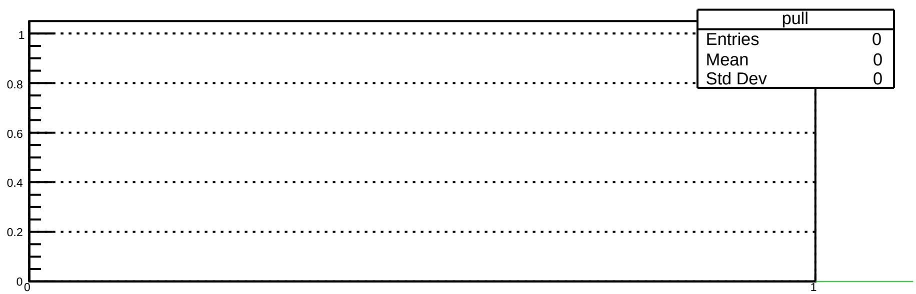
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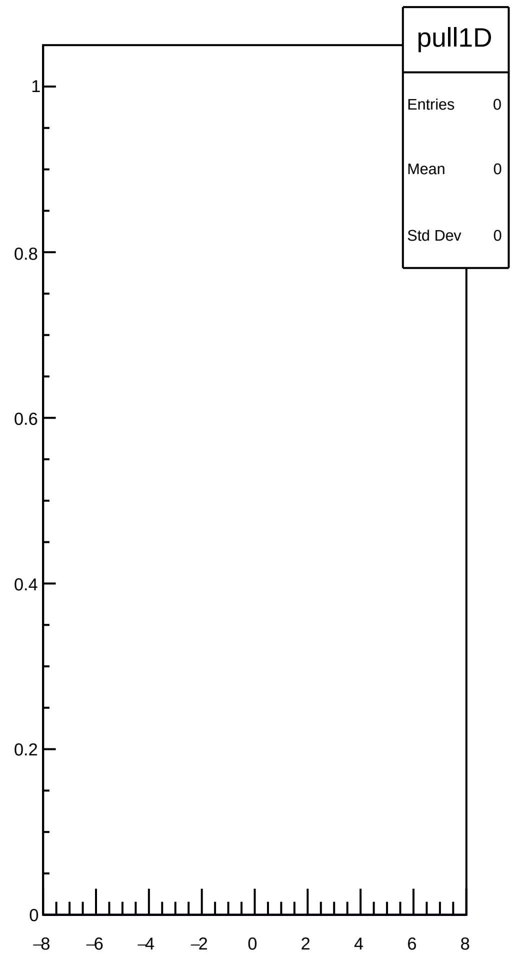
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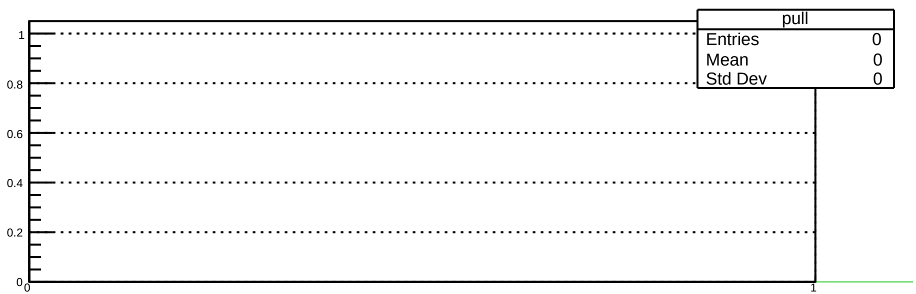
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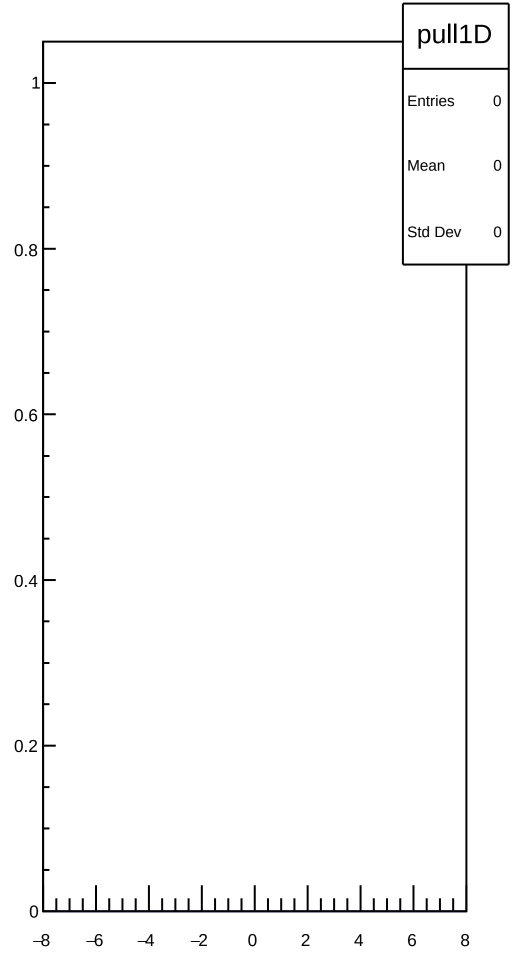
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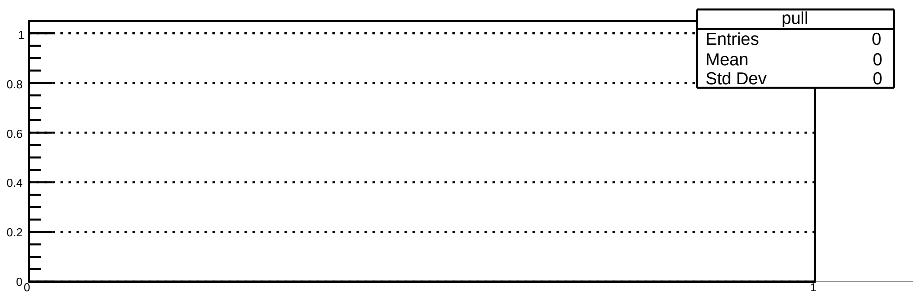

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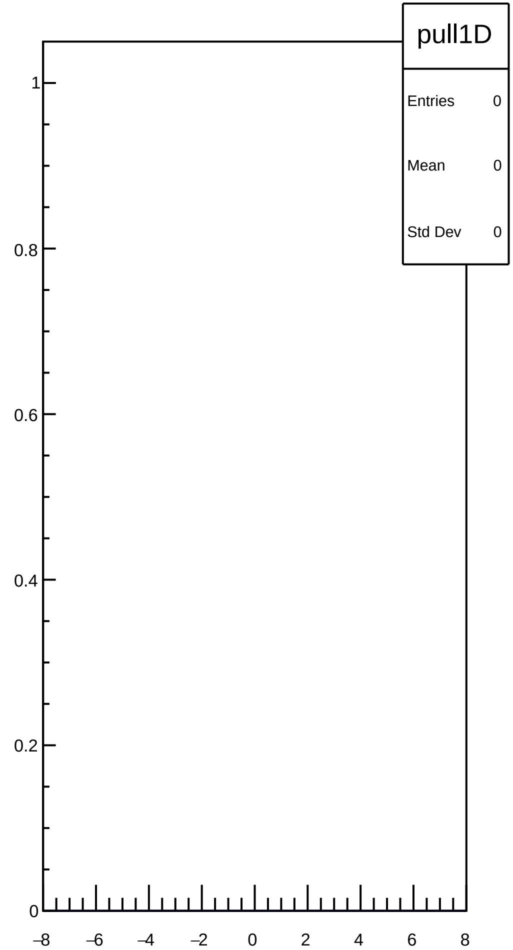

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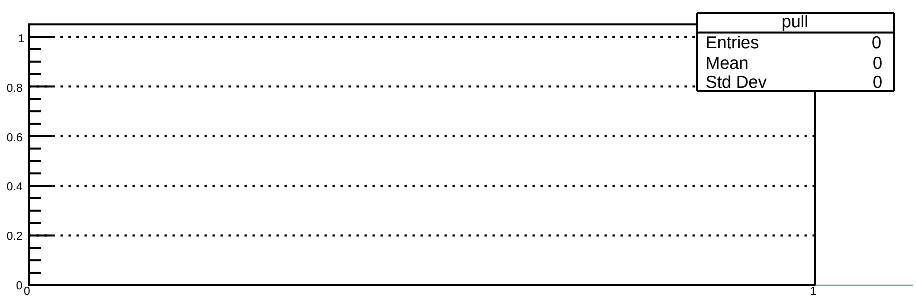
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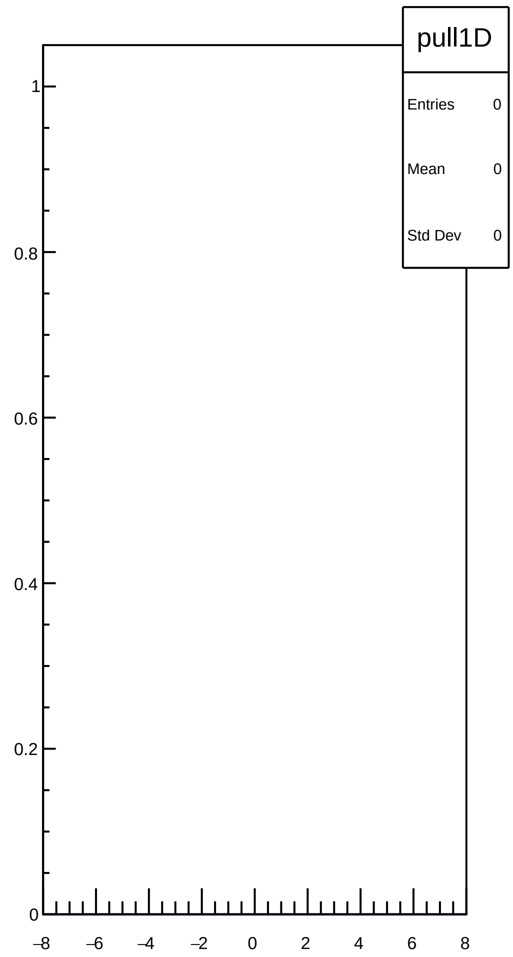
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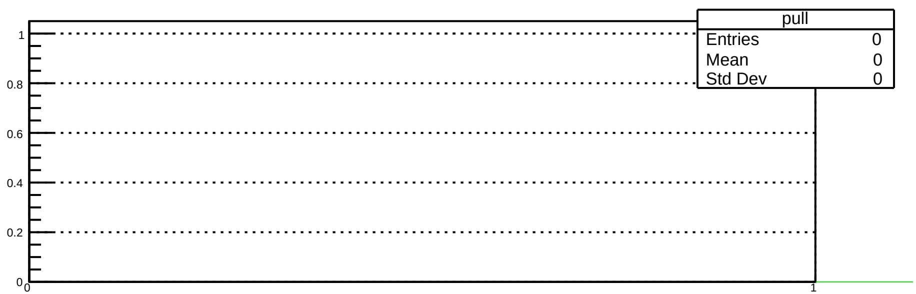
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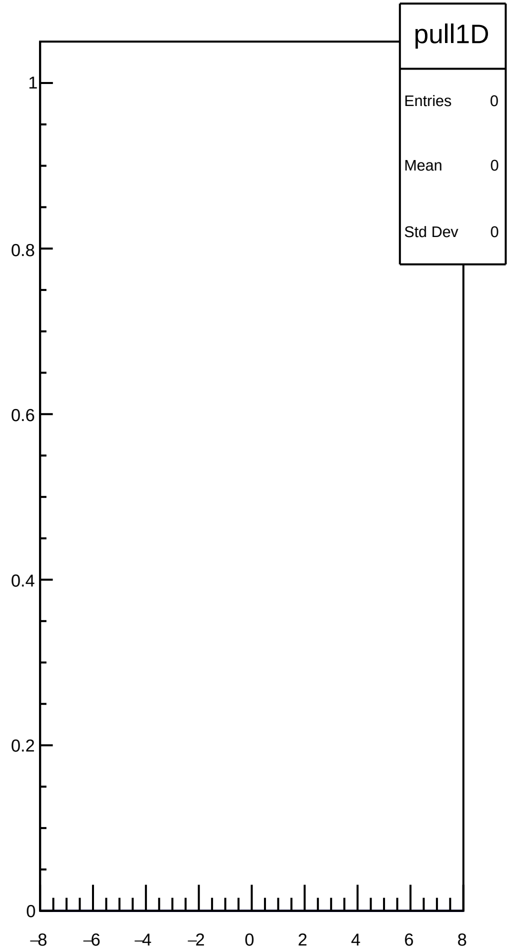
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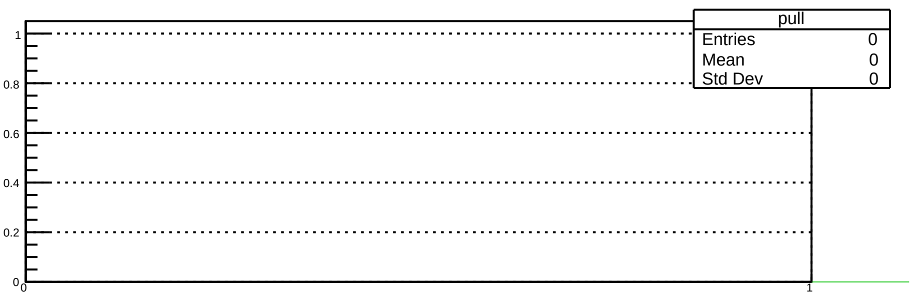

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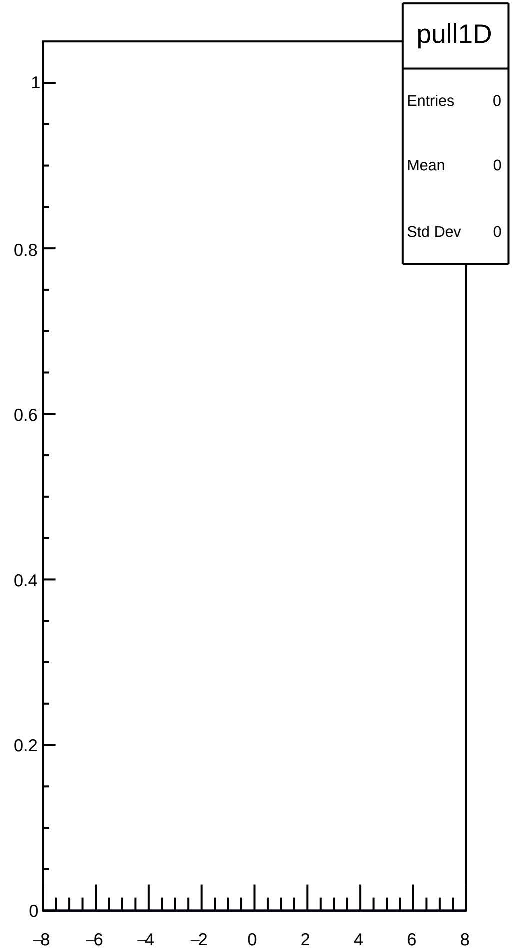

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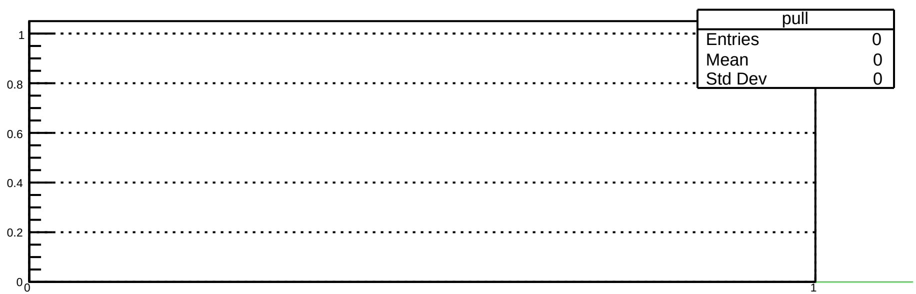
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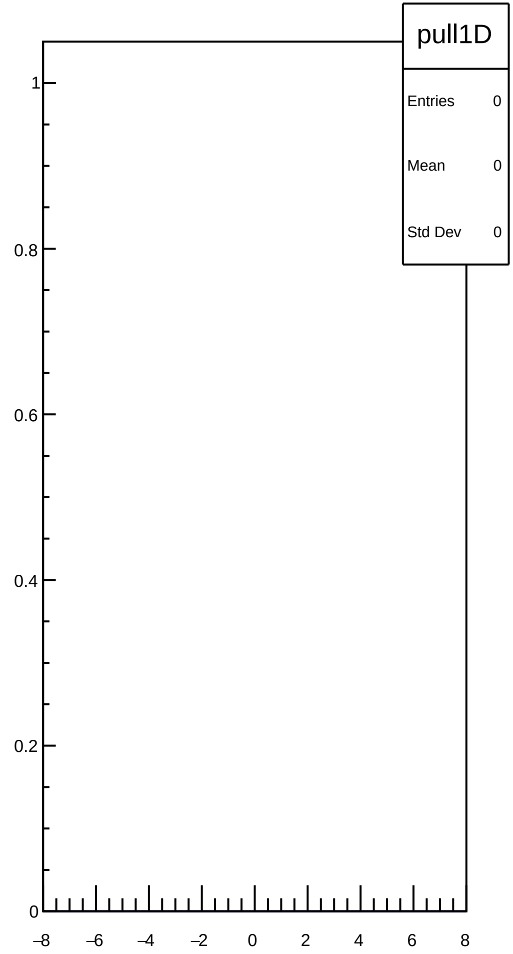
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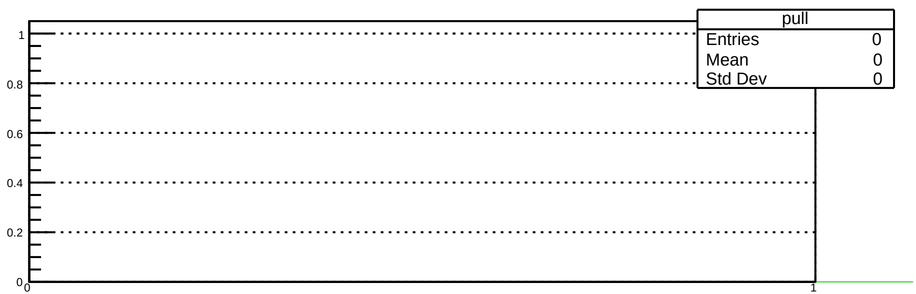

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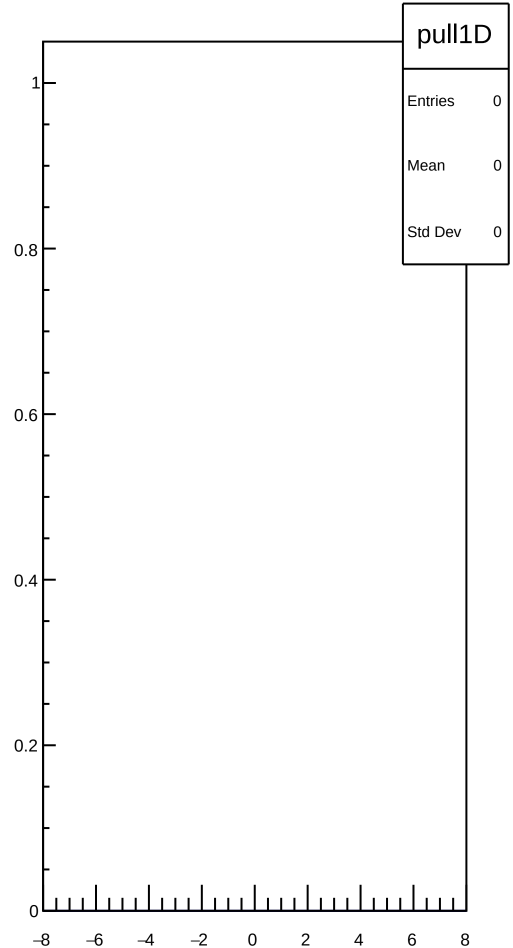

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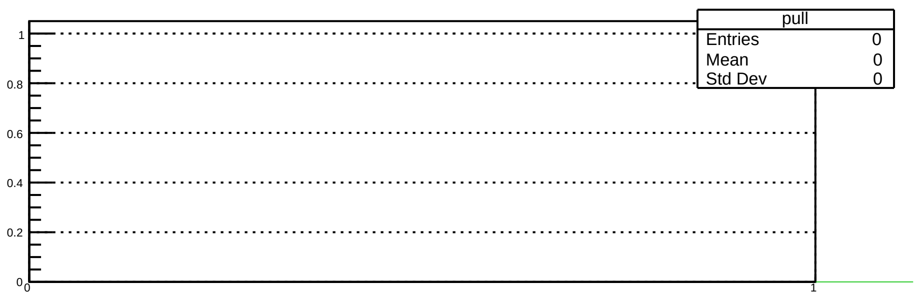
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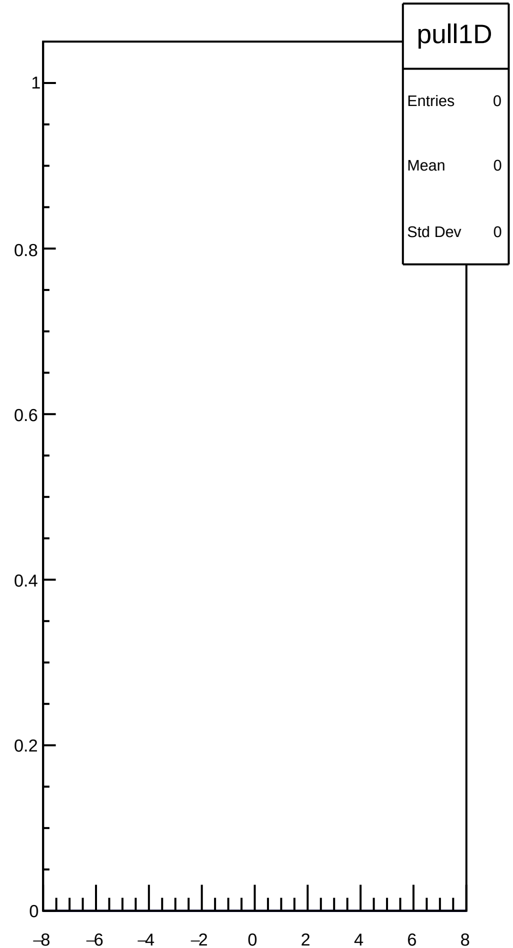
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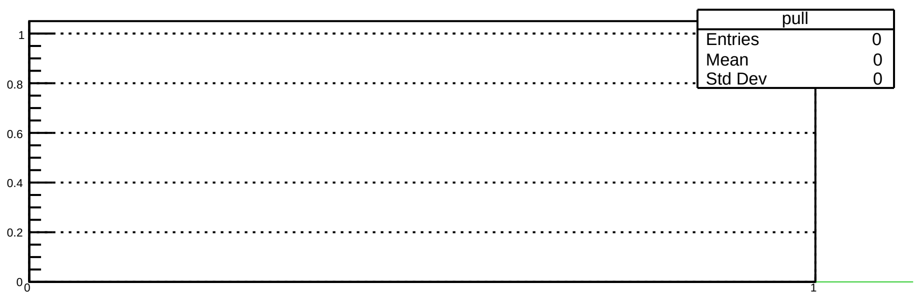
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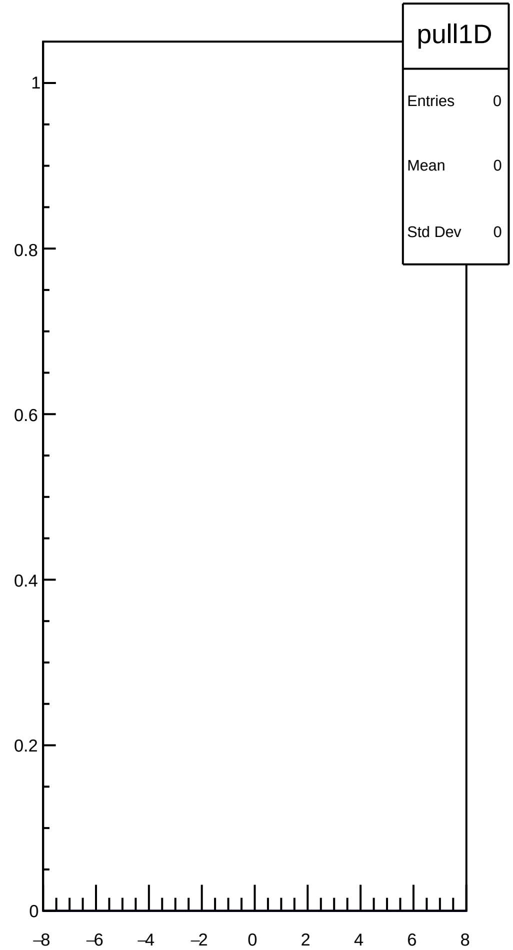
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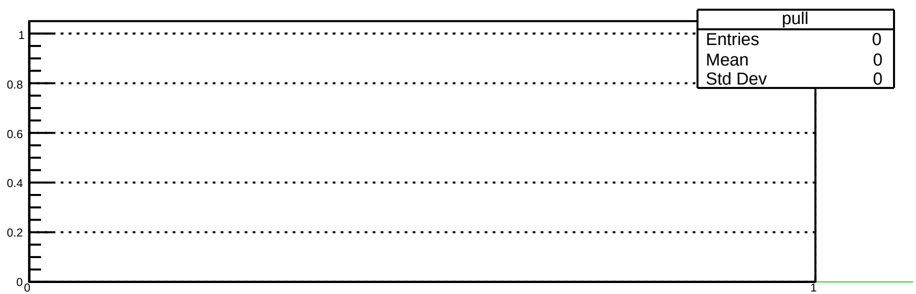
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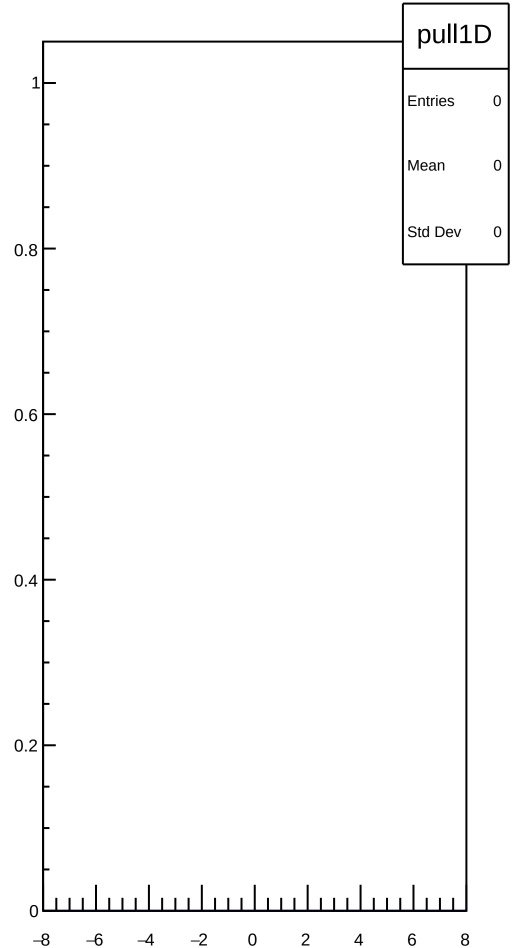
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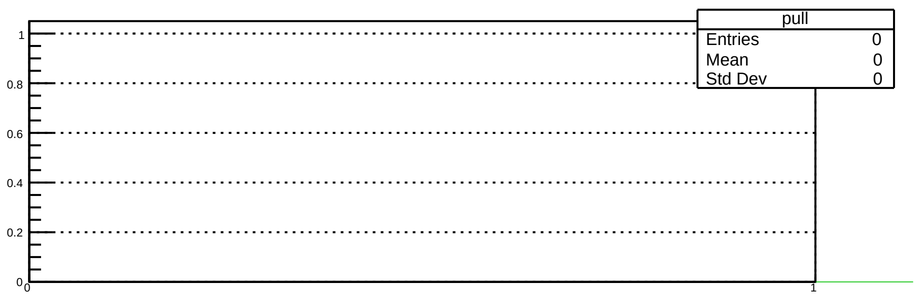
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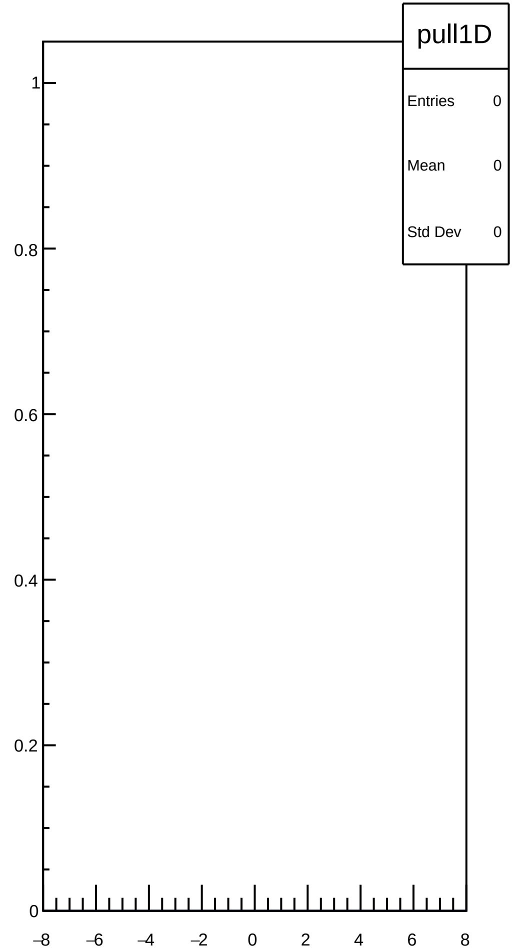
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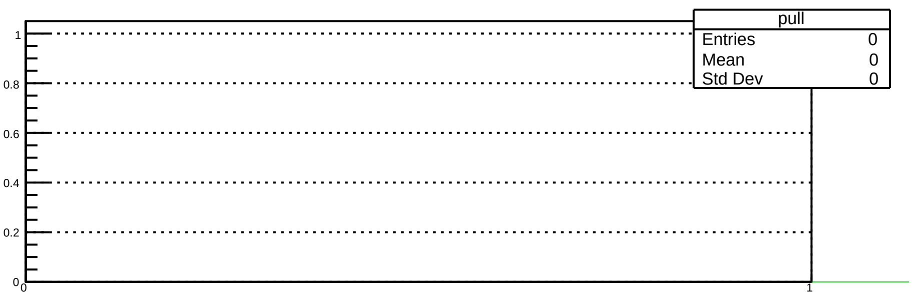

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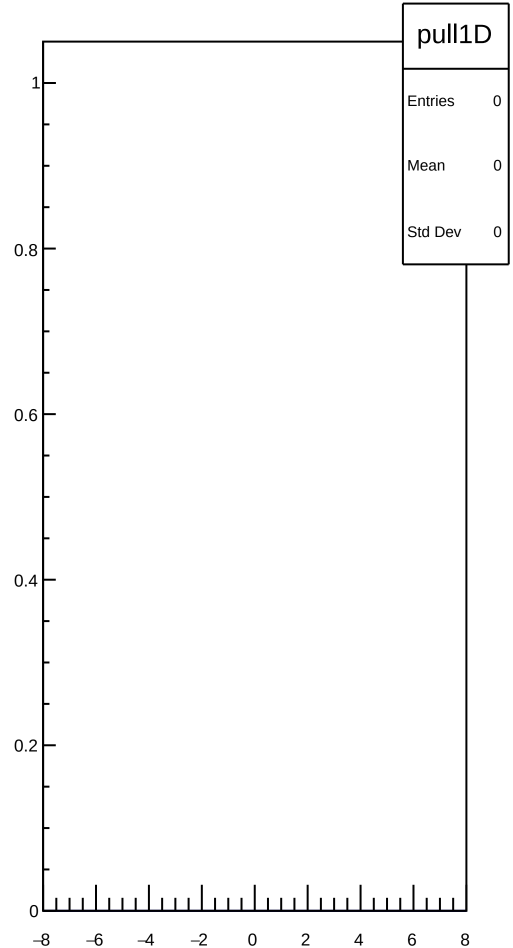

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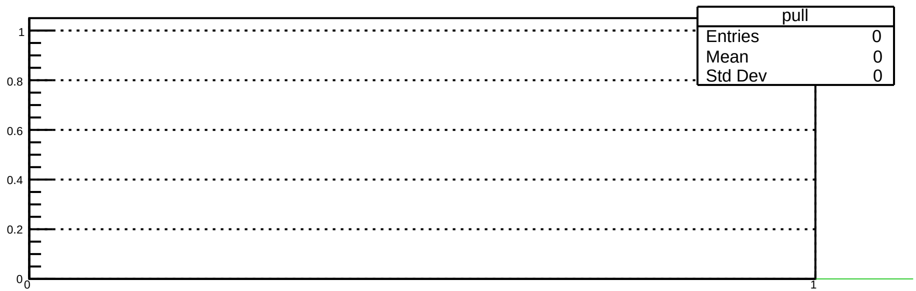

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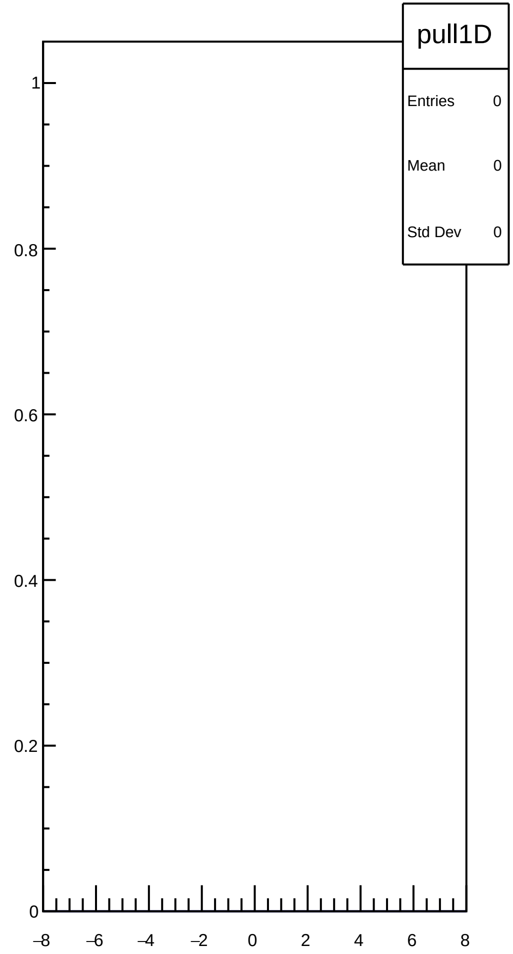

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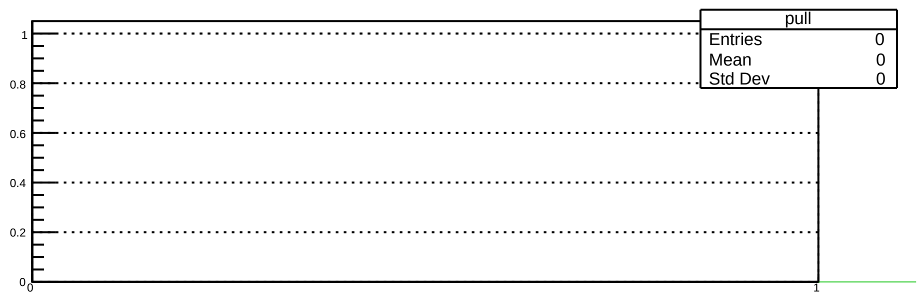

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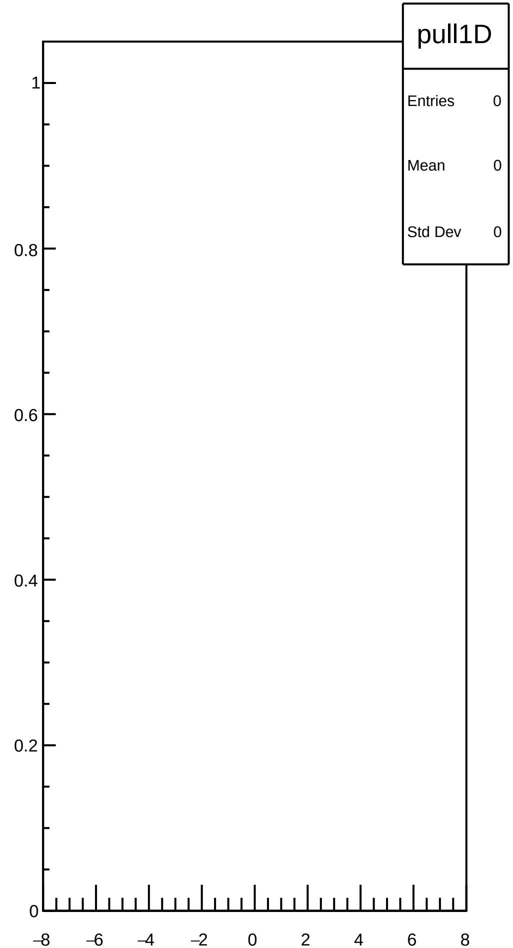

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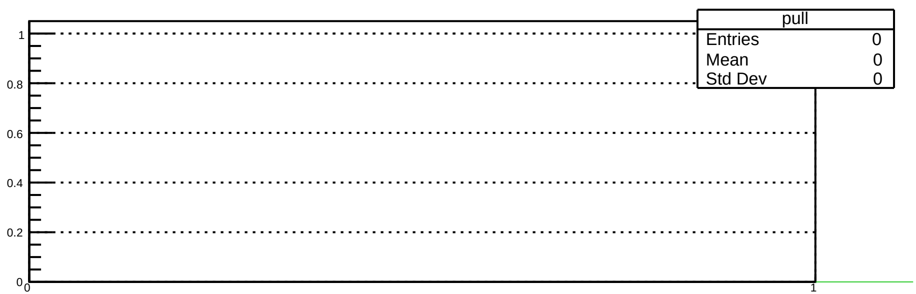
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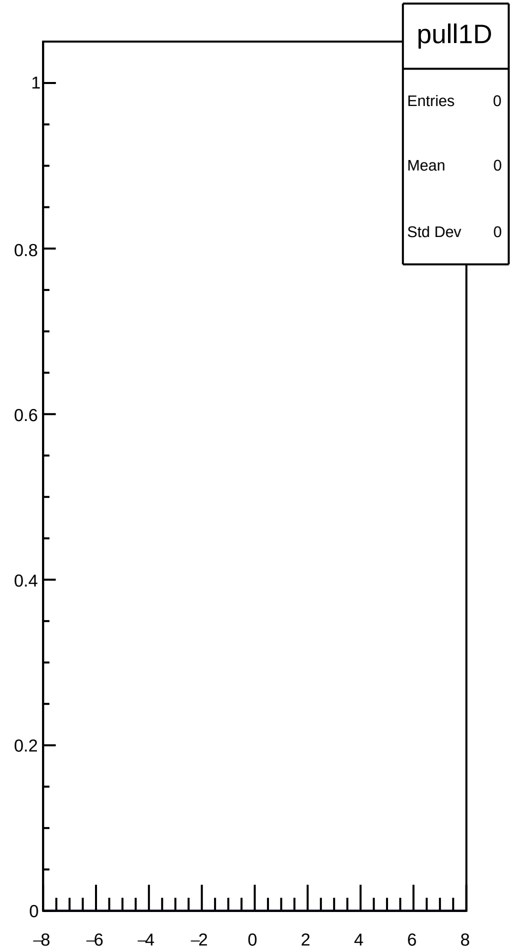
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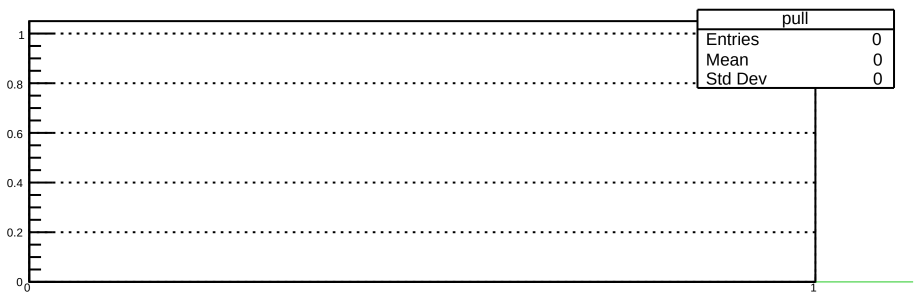

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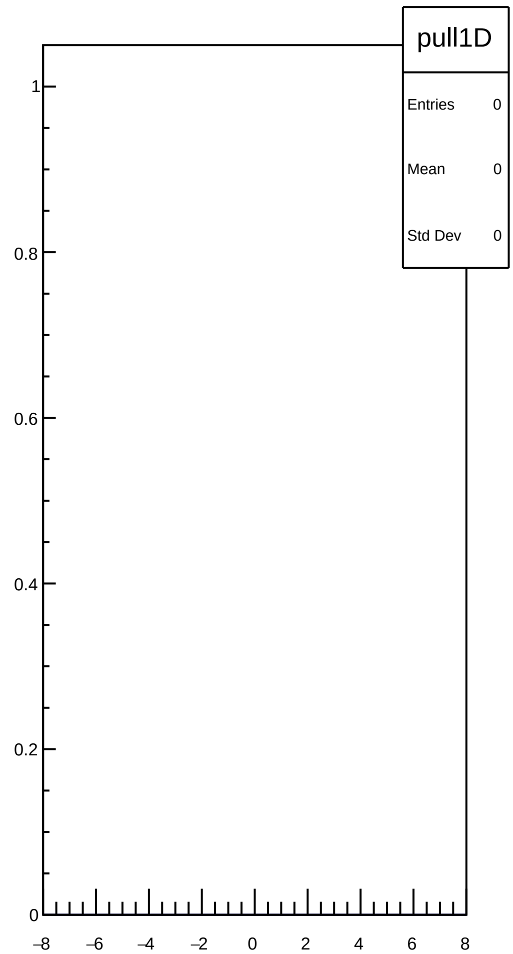

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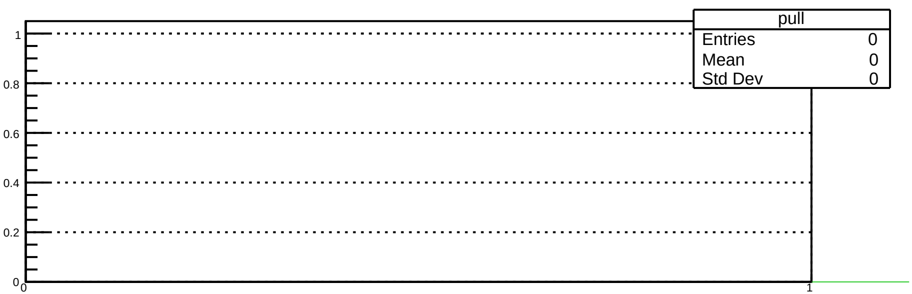
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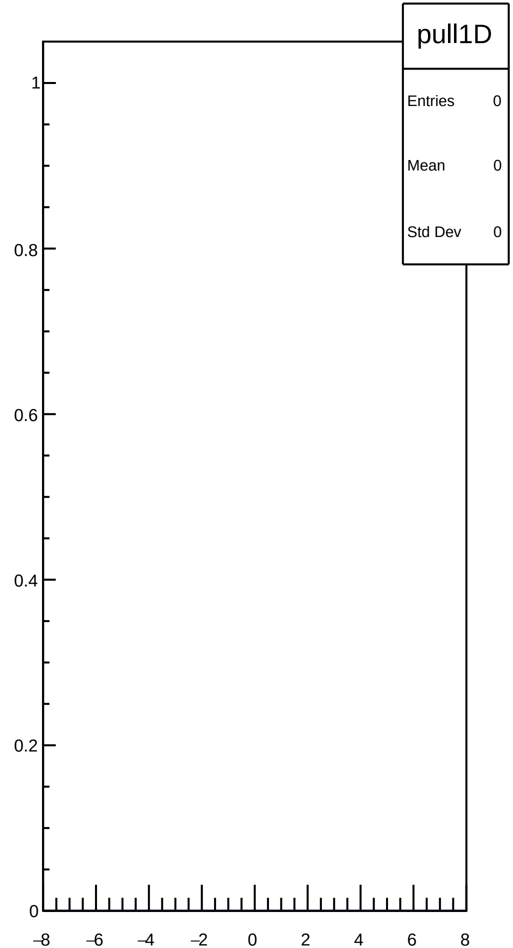
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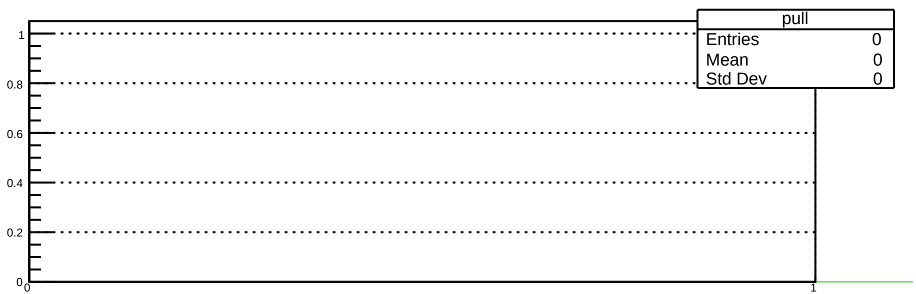
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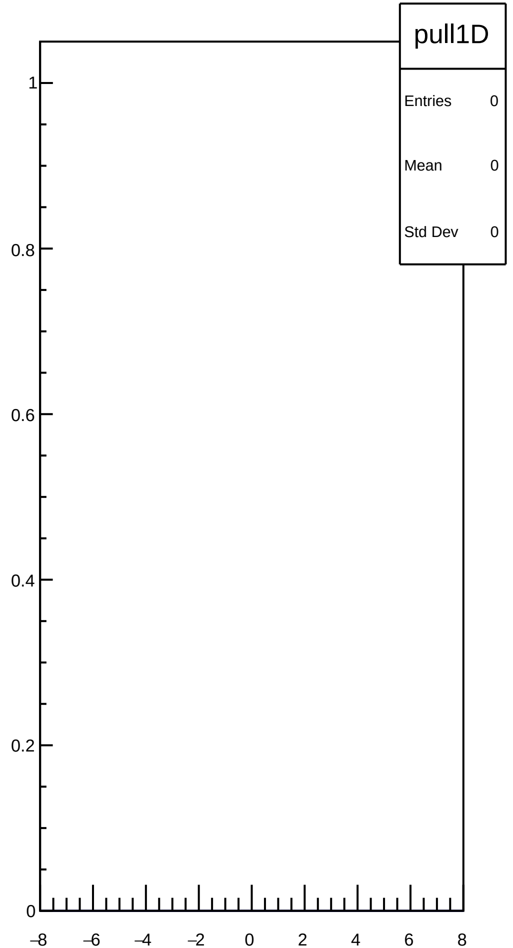
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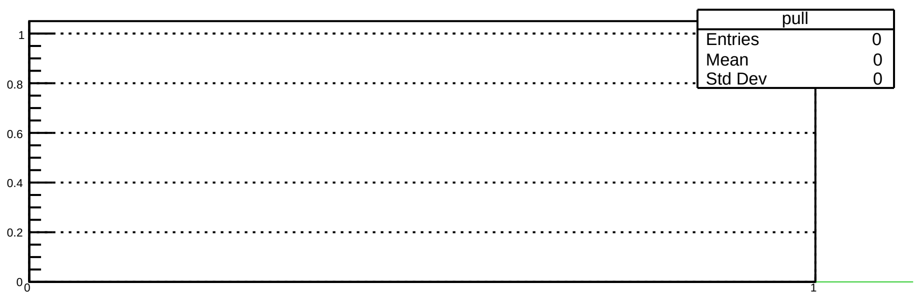
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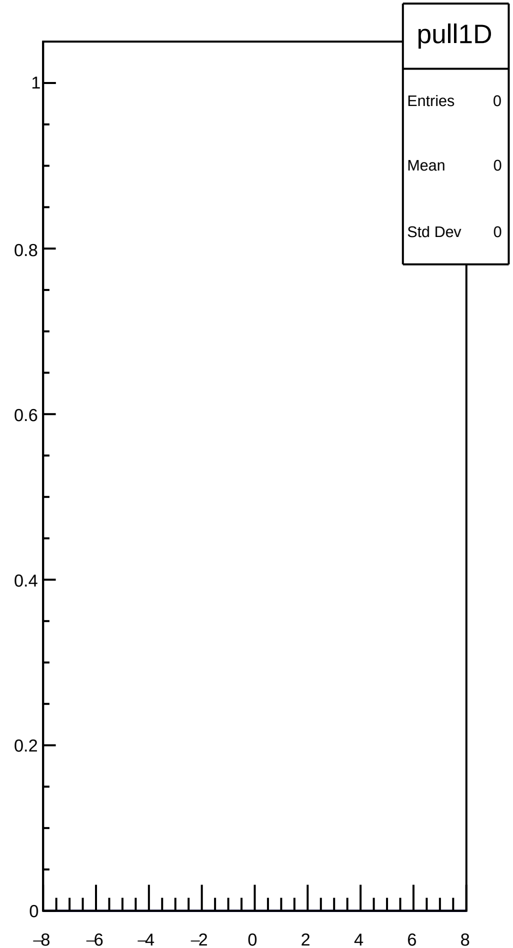
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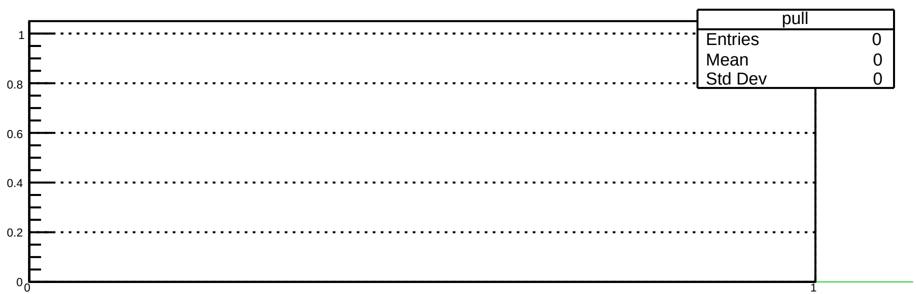
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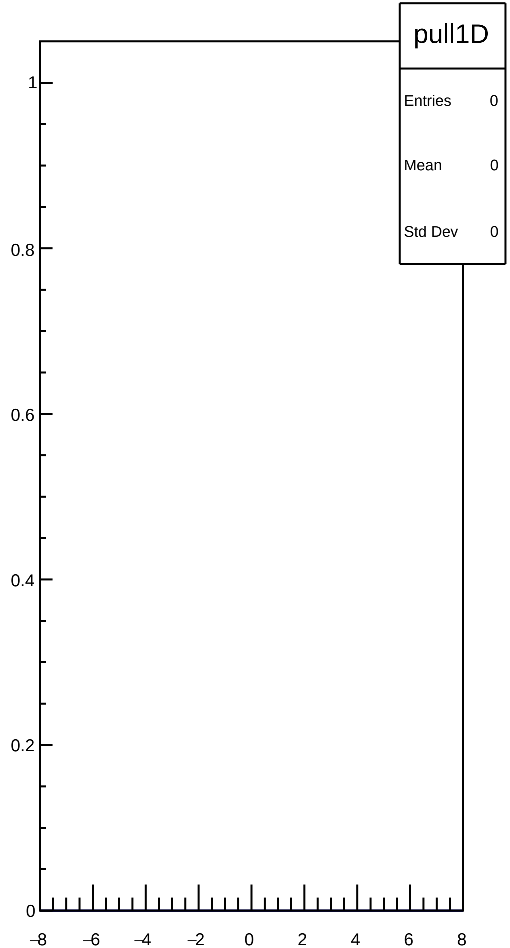
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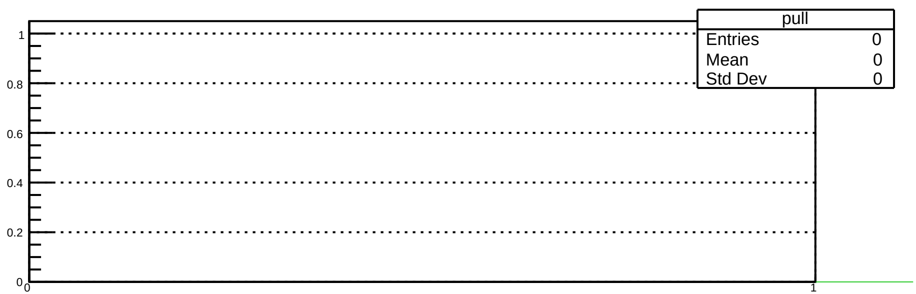
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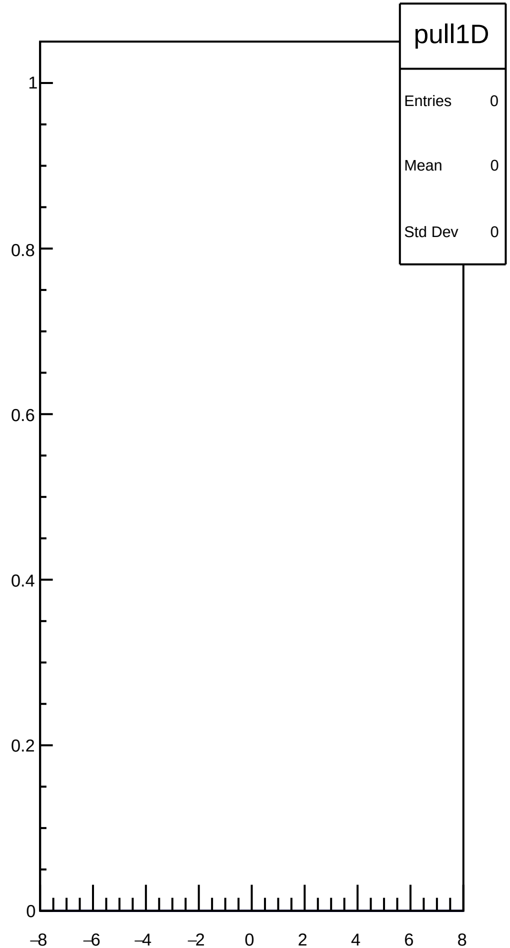
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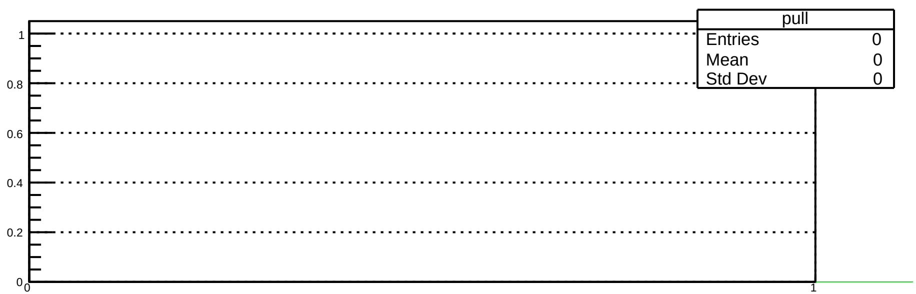
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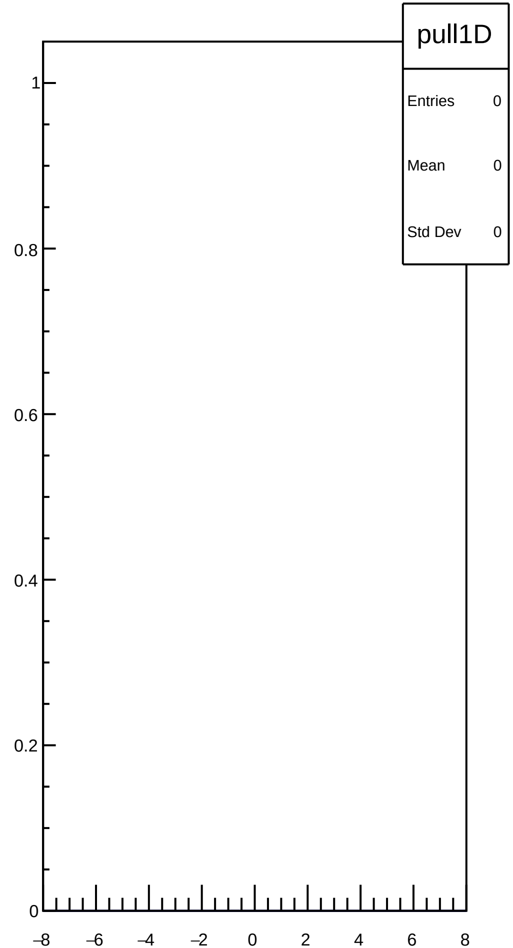
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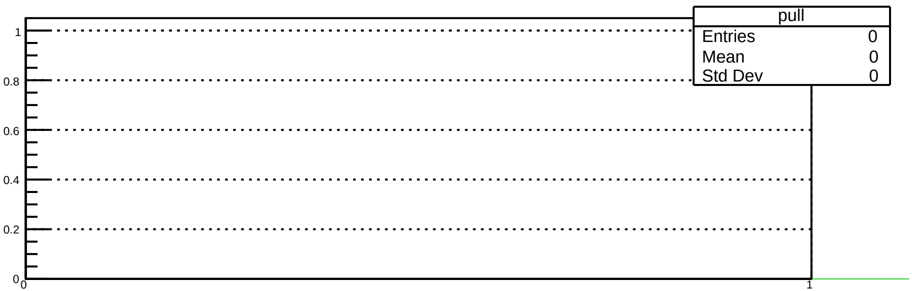
Std Dev 0



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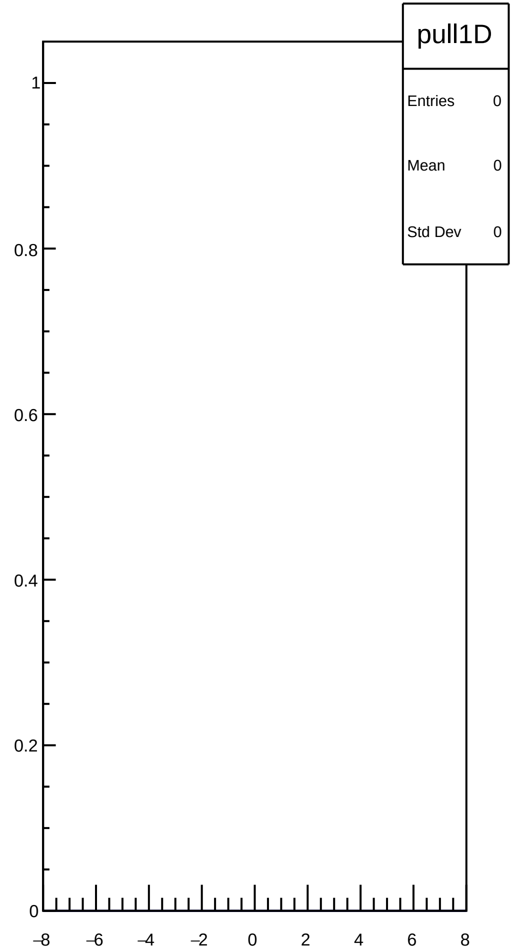
0.8
0.6
0.4
0.2
0
0
1



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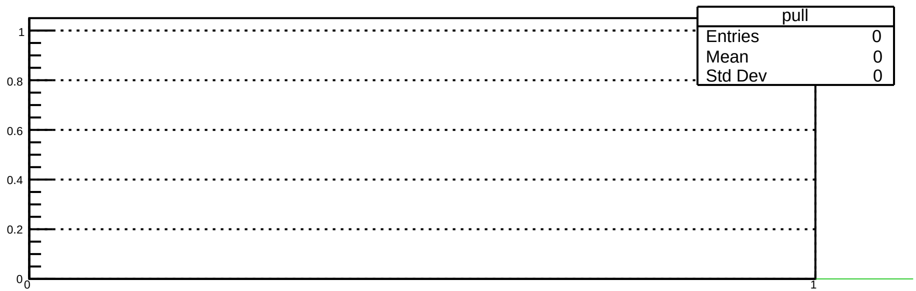
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
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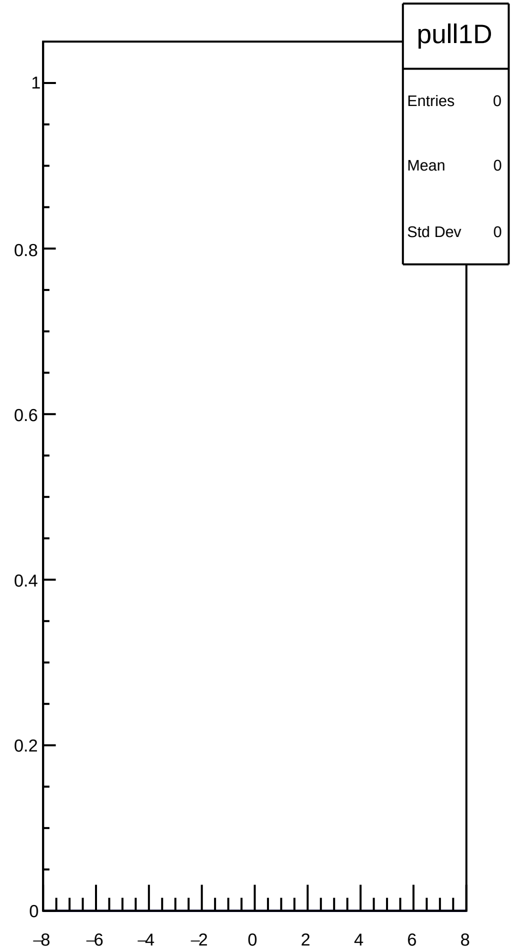
pull1D
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Mean 0
Std Dev 0
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0.4
0.6
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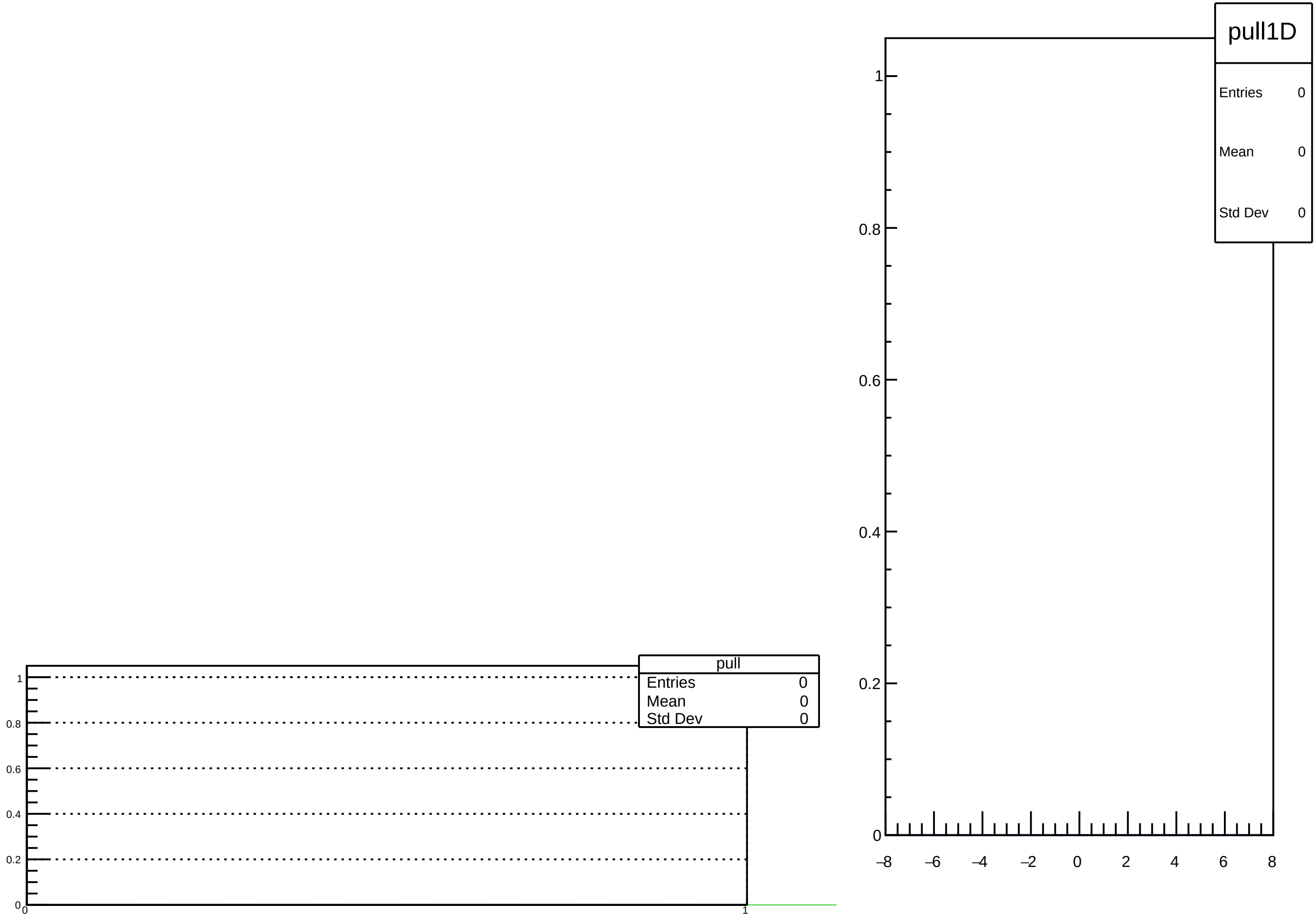

pull
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Mean 0
Std Dev 0
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0.2
0.4
0.6
0.8
1
0
1
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
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6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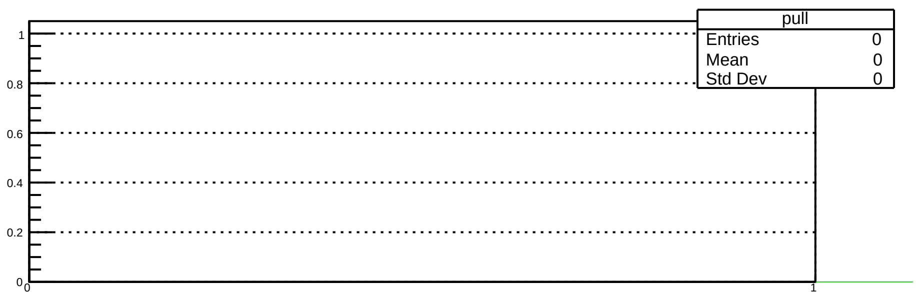
pull
Entries 0
Mean 0
Std Dev 0
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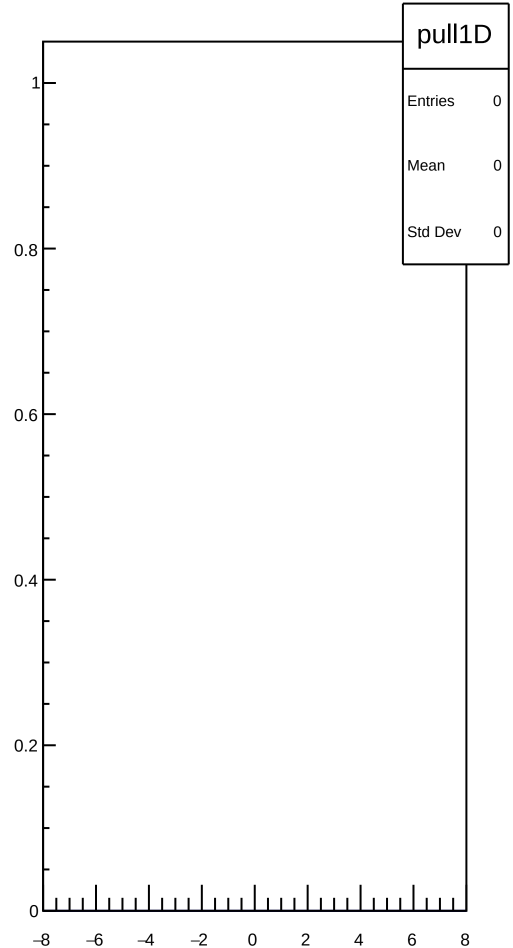
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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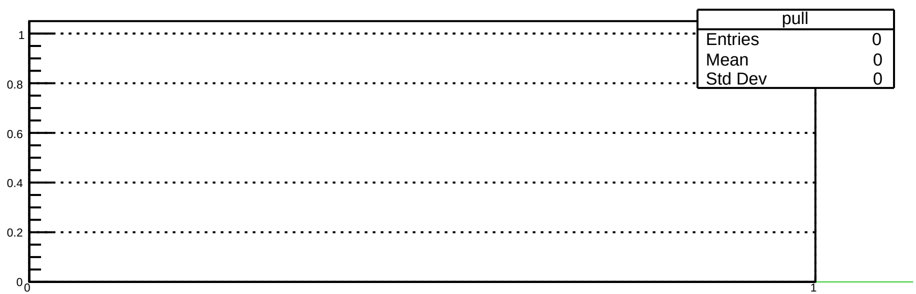
6
8


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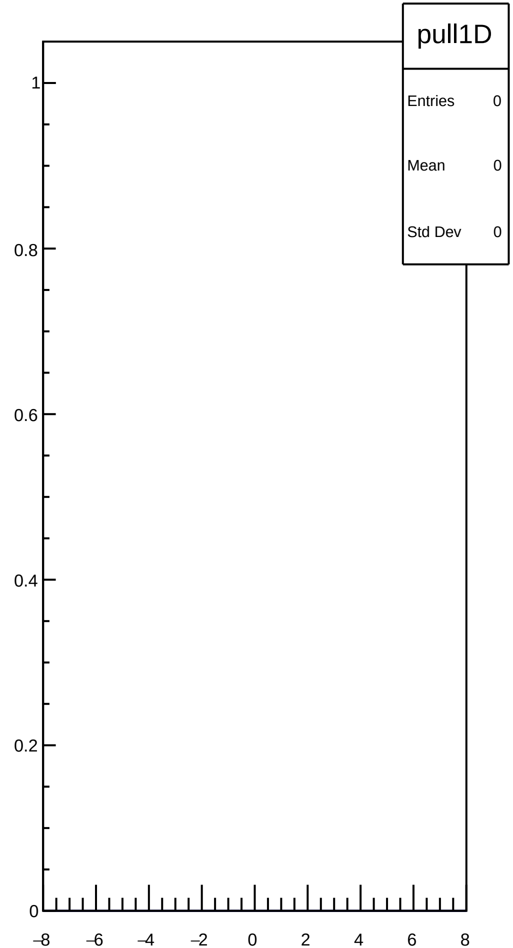
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
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–4
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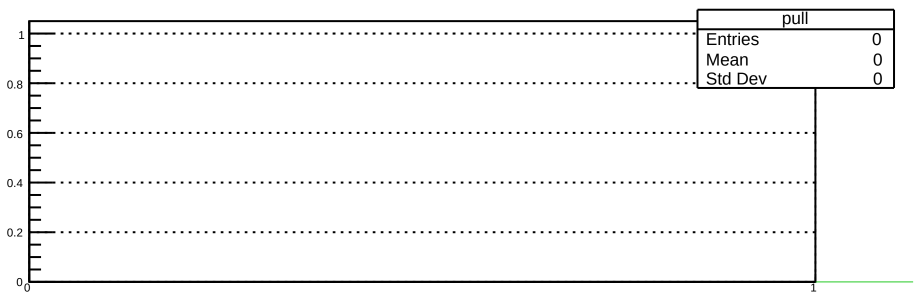
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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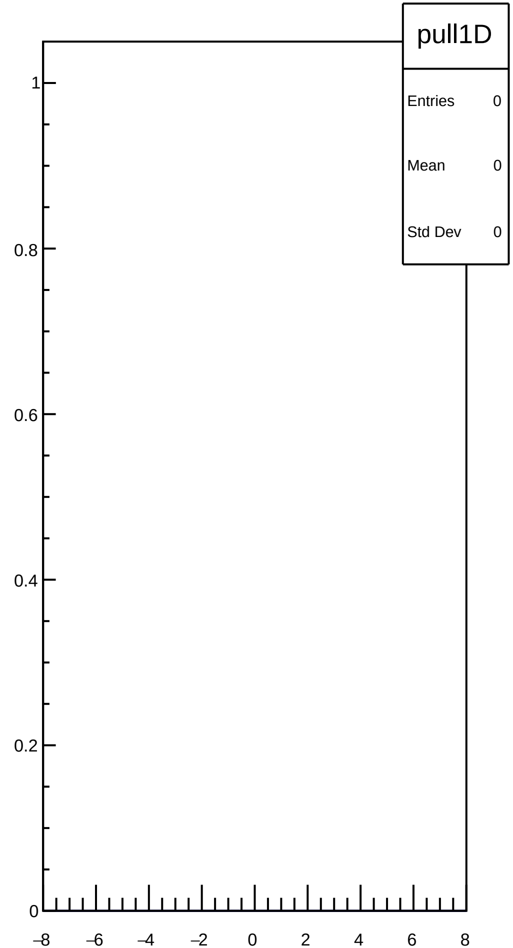
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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−6
−4
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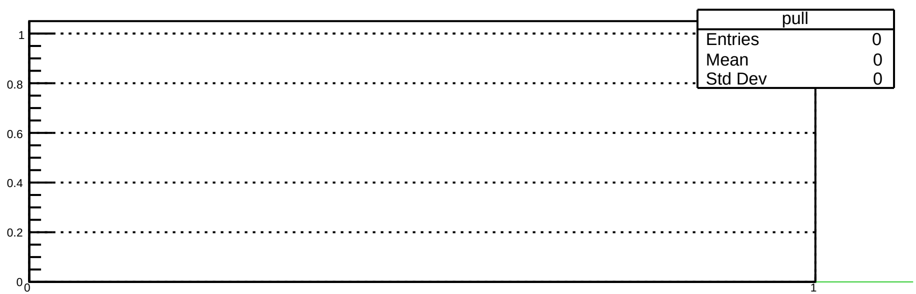
0
2
4
6
8


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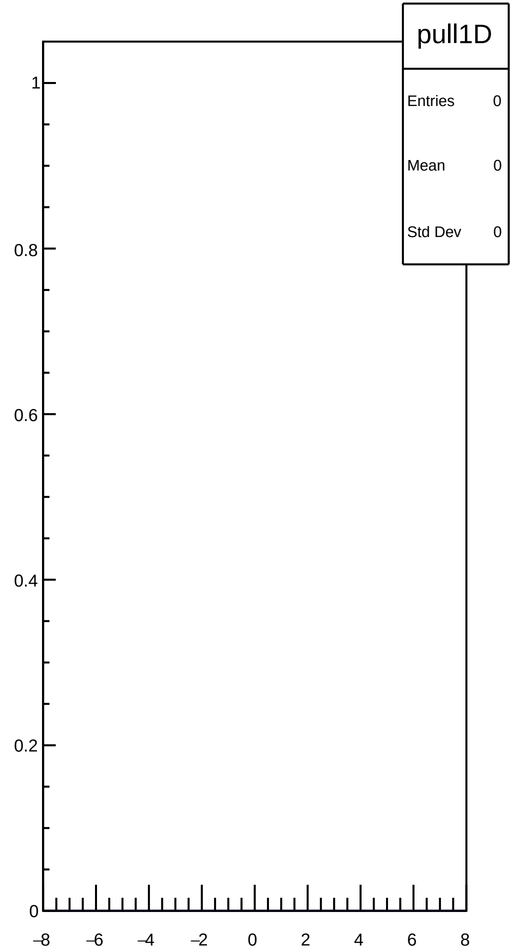
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
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6
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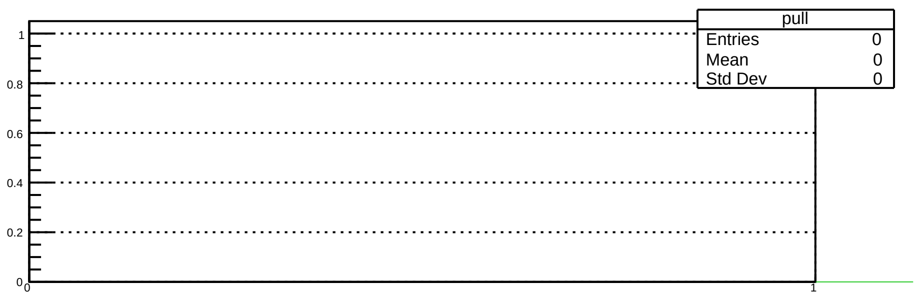
pull
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
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0
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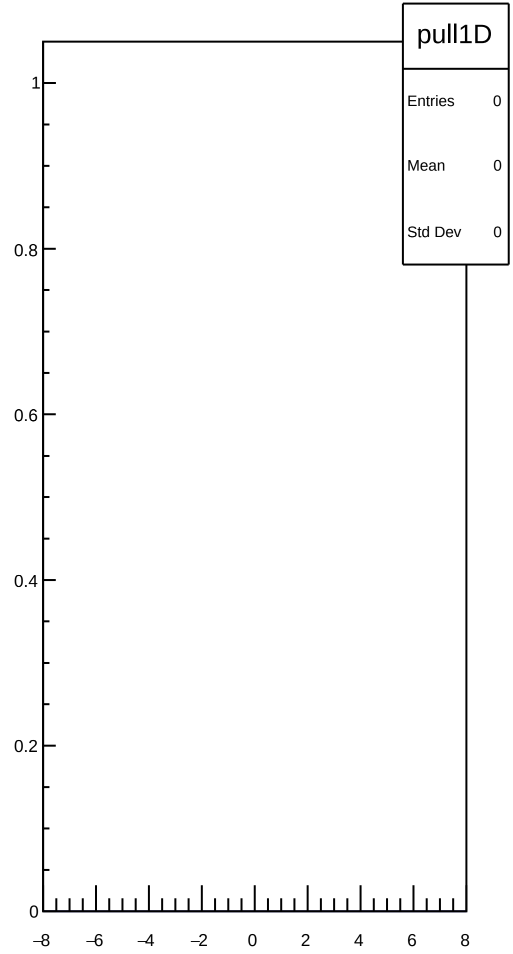
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
1
−8
−6
−4
−2
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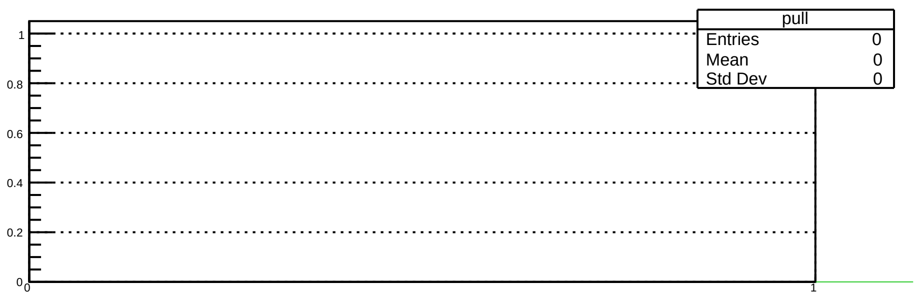
2
4
6
8


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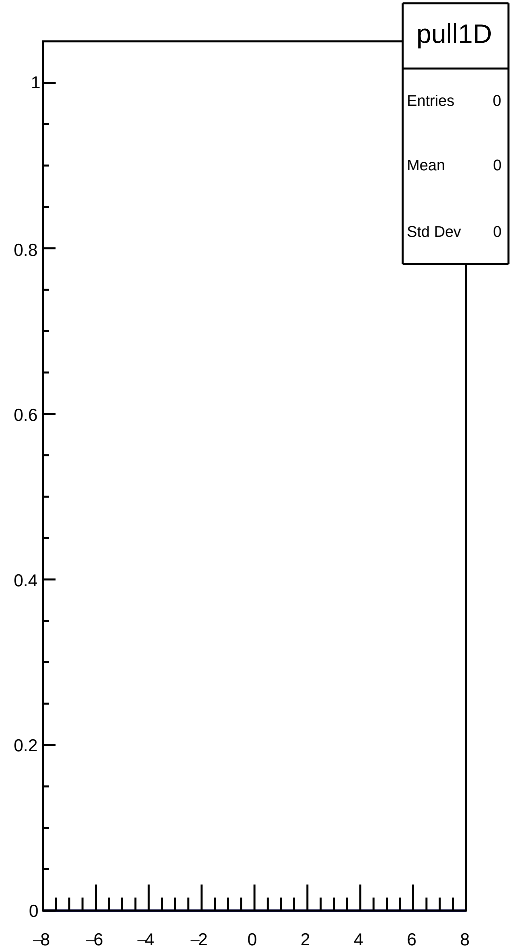
0.8
0.6
0.4
0.2
0
0
1

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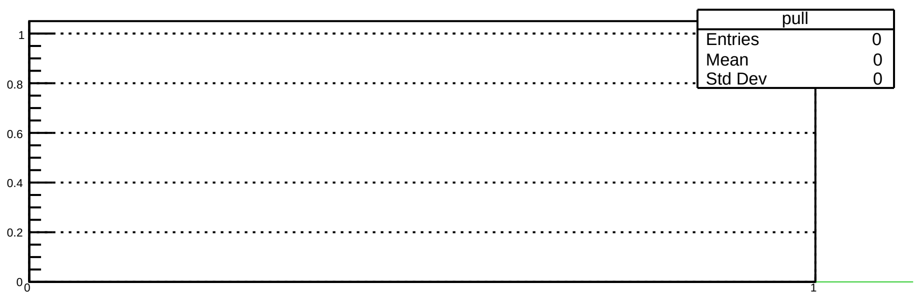
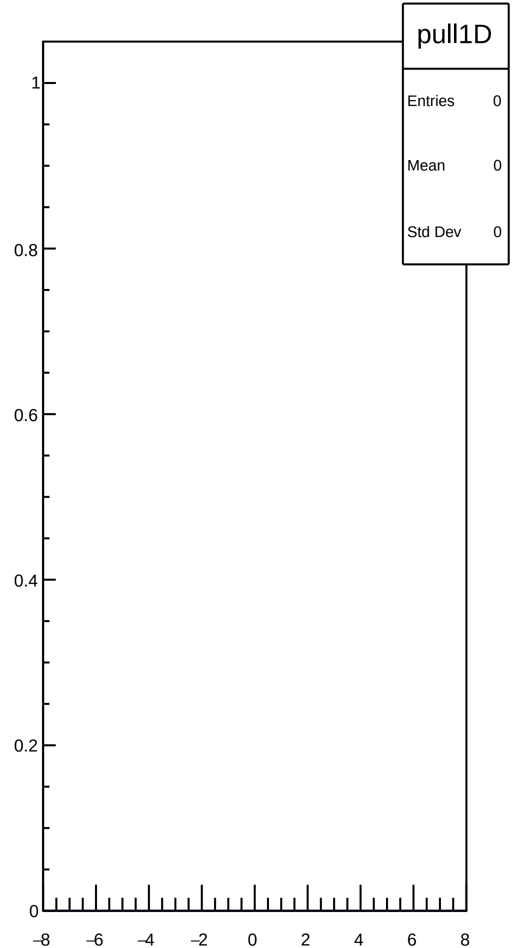
0
2
4
6
8



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
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–4
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0
2
4
6
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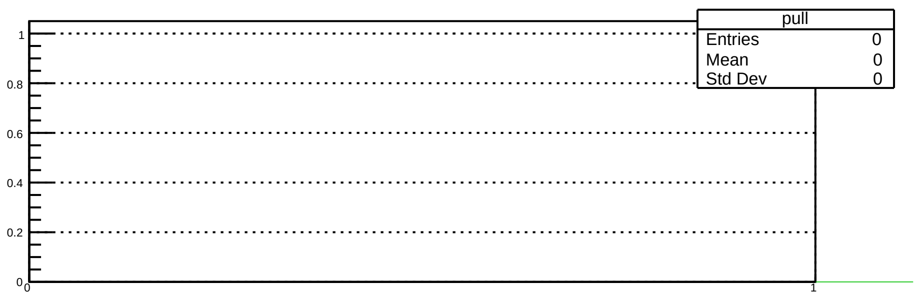
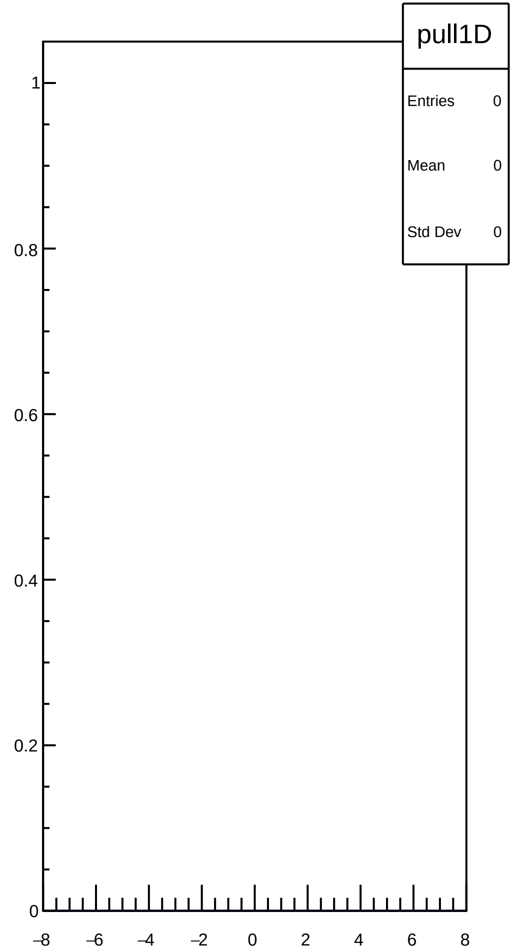

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


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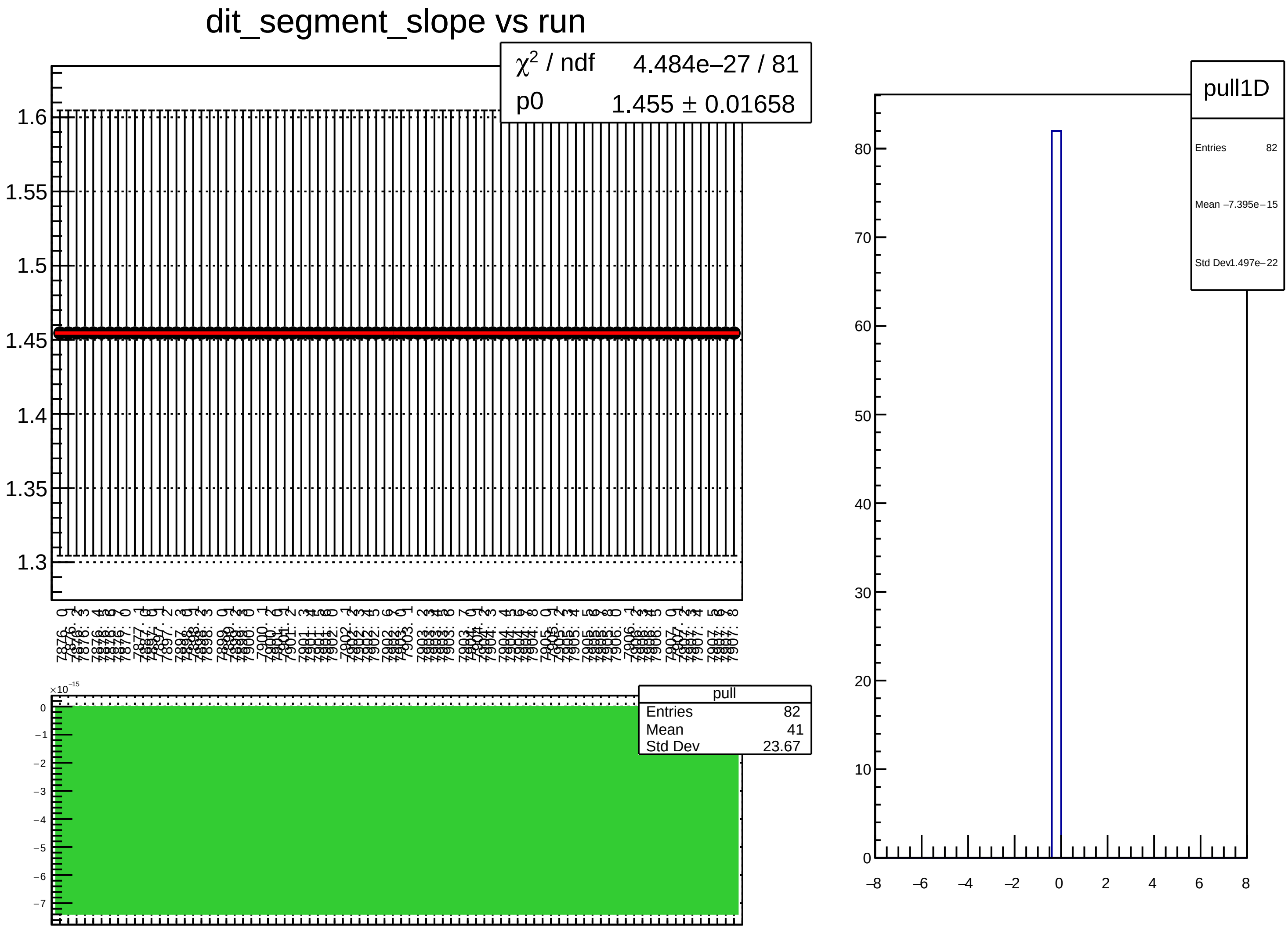
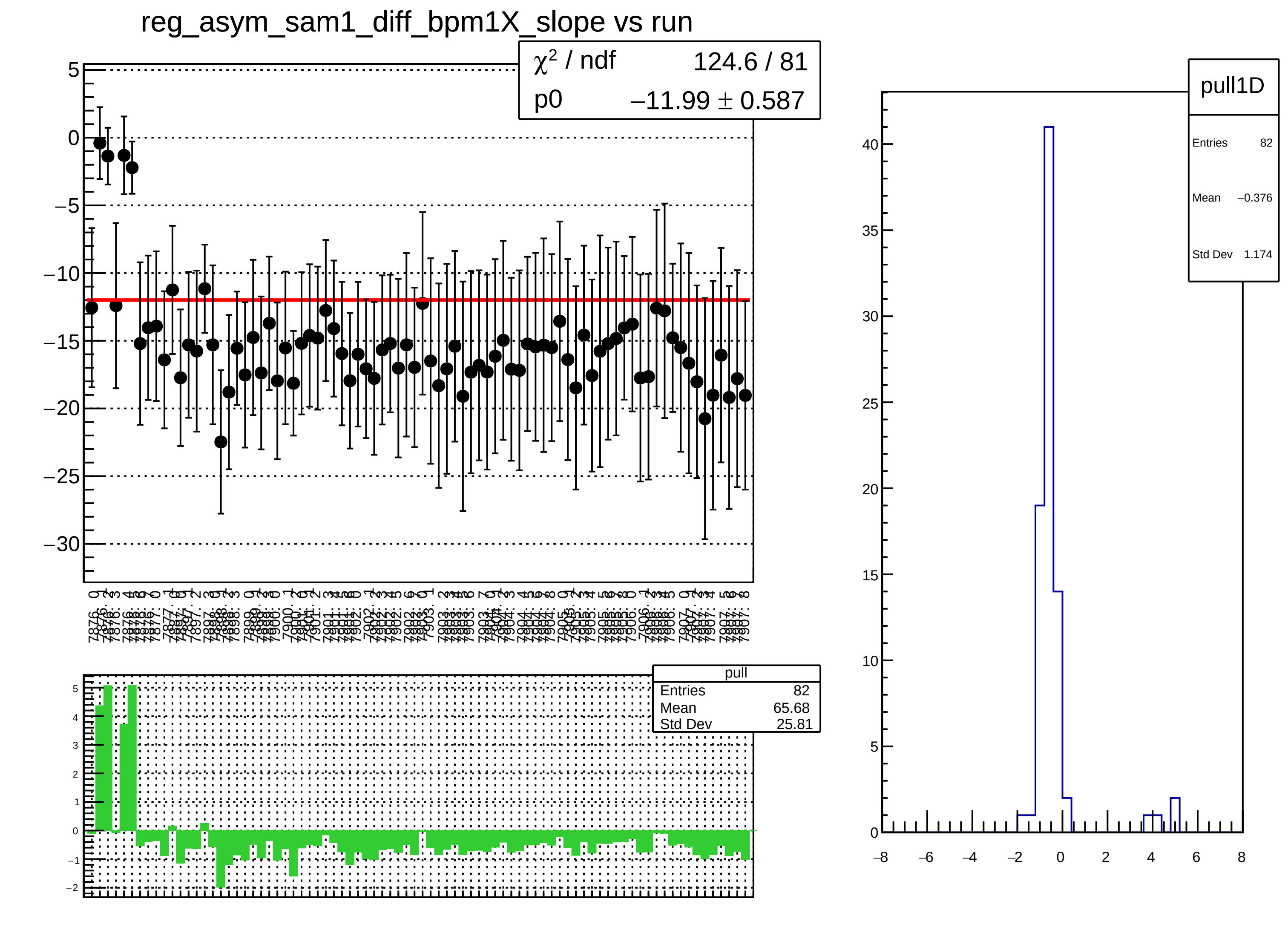
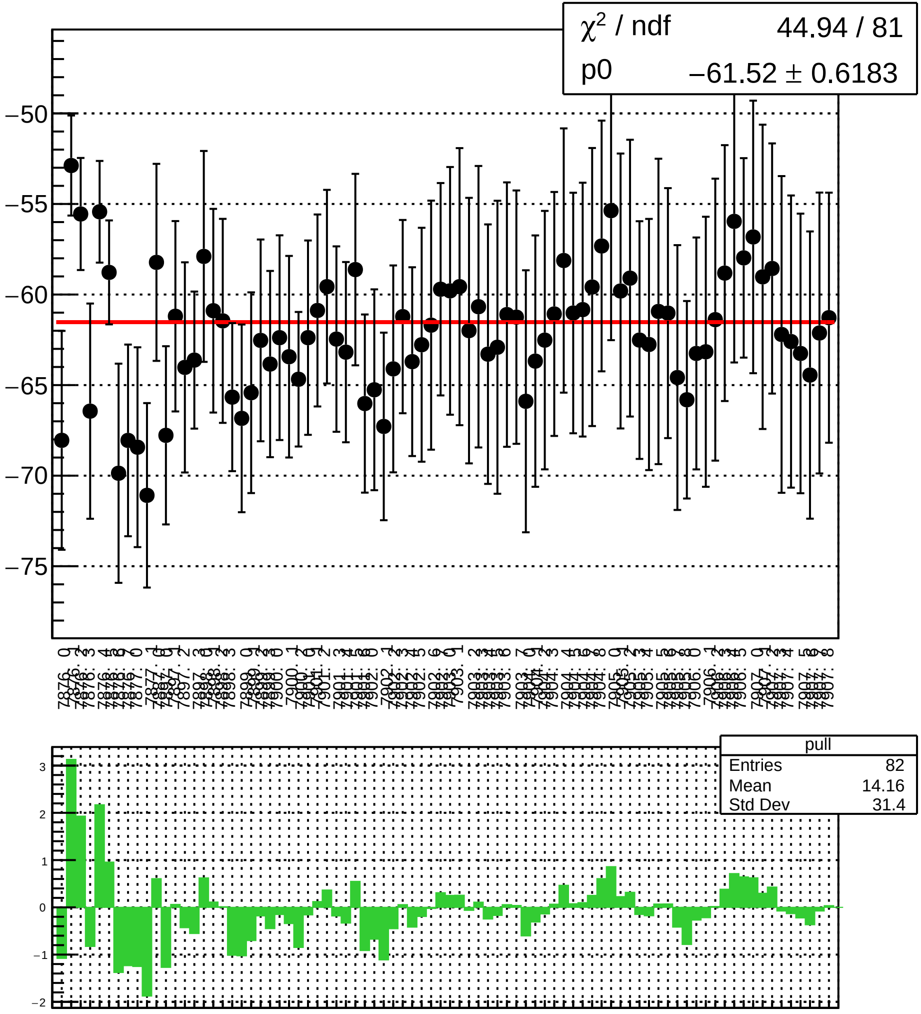
0
2
4
6
8

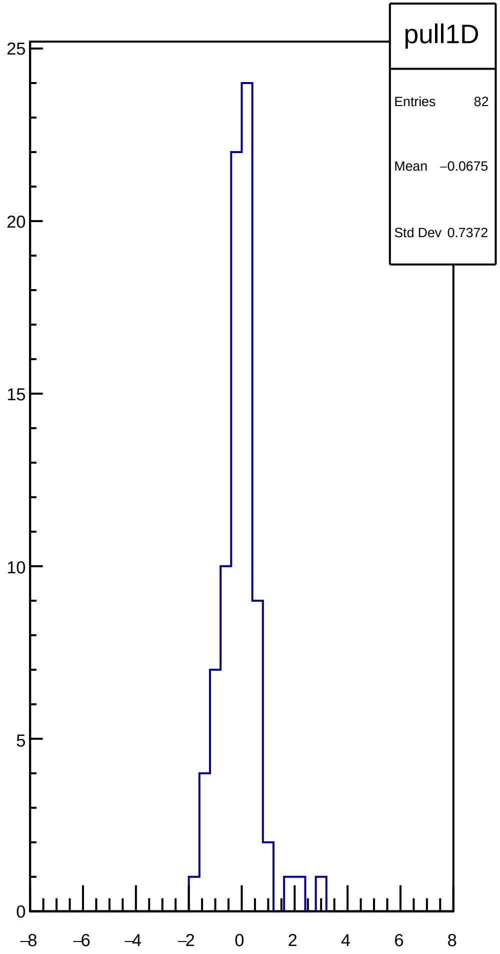


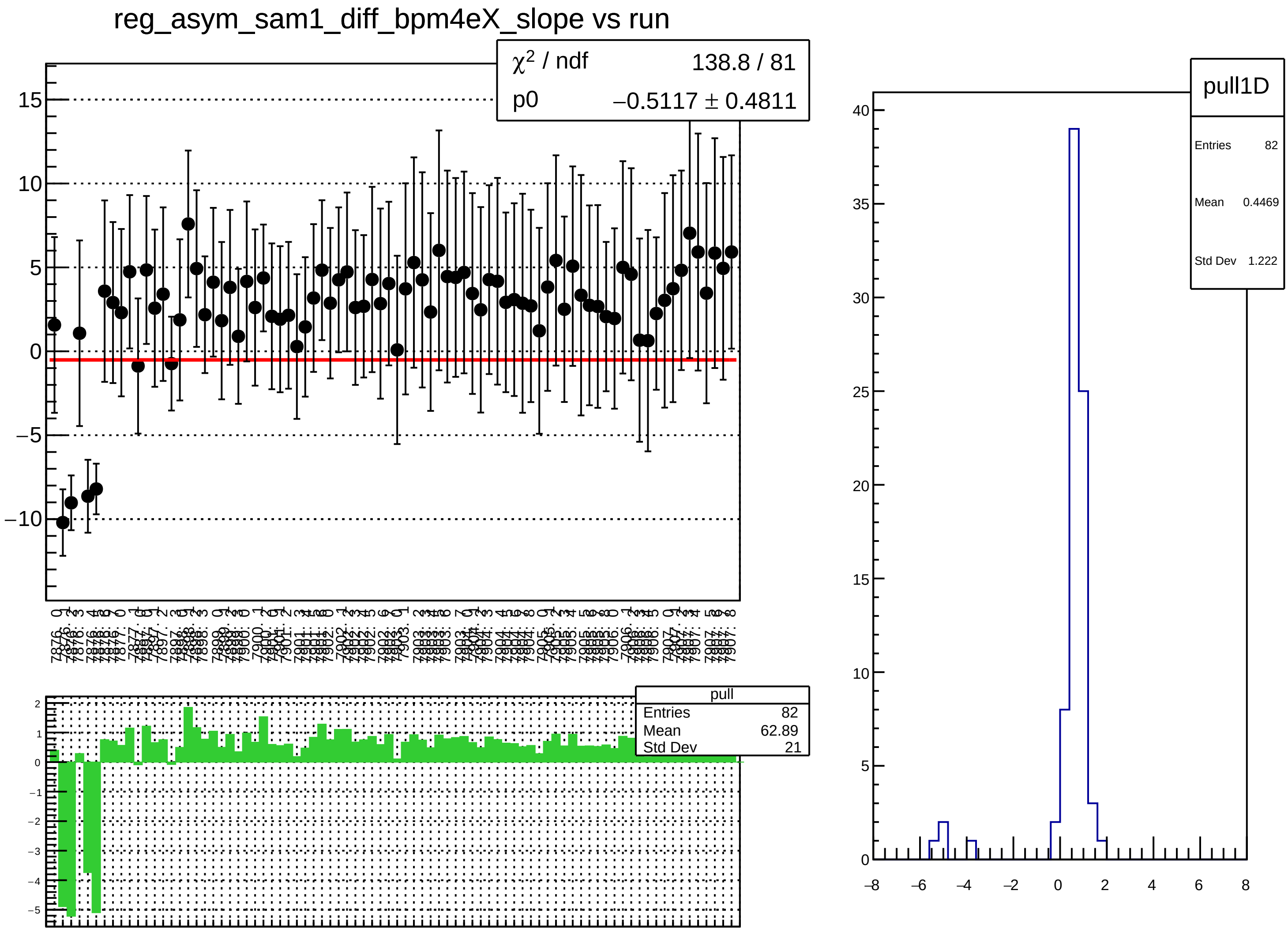
dit_segment_slope vs run
χ^2 / ndf 4.484e−27 / 81
p0 1.455 ± 0.01658
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.395e−15
Std Dev1.497e−22


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

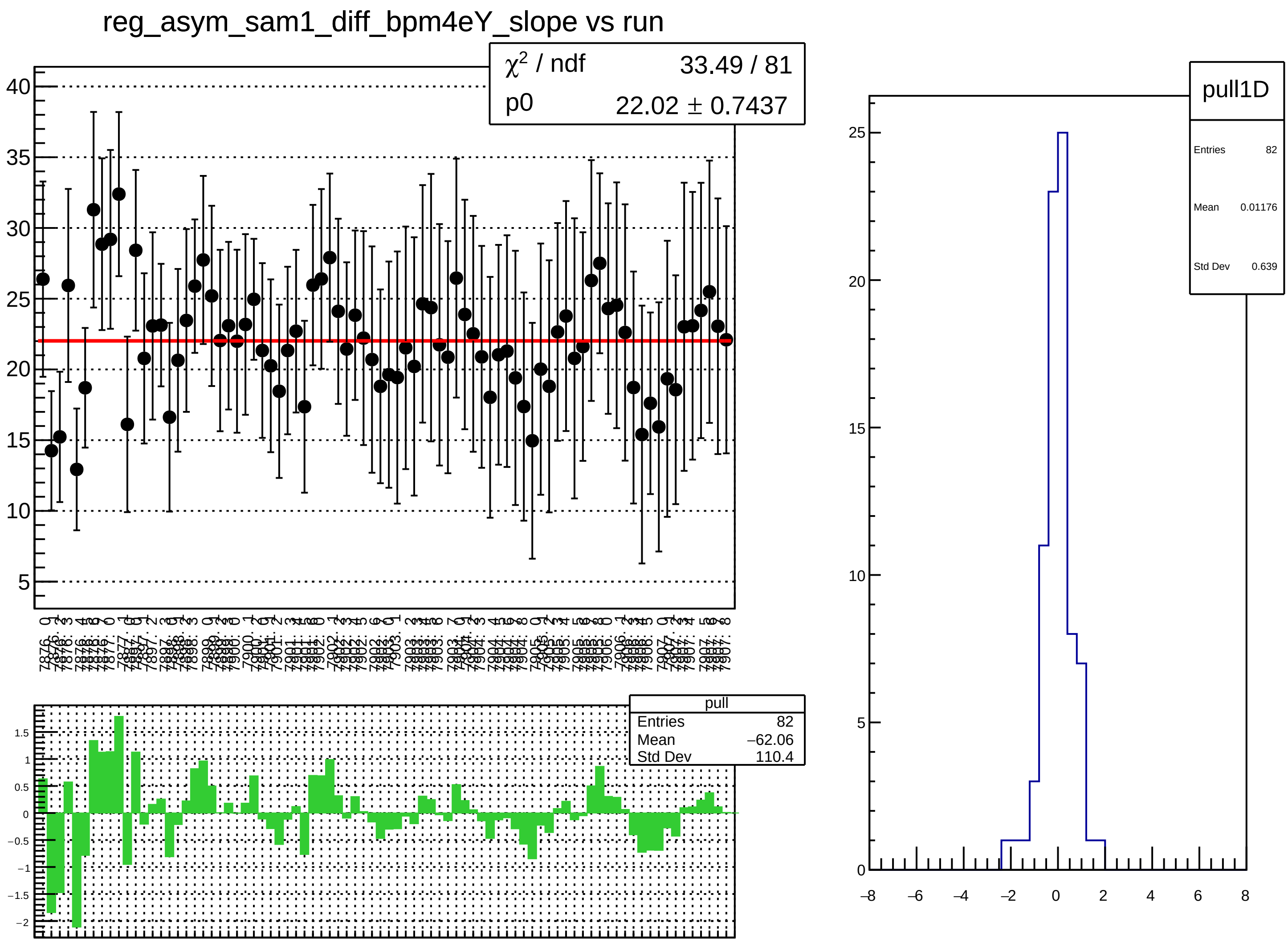
reg_asym_sam1_diff_bpm4aY_slope vs run



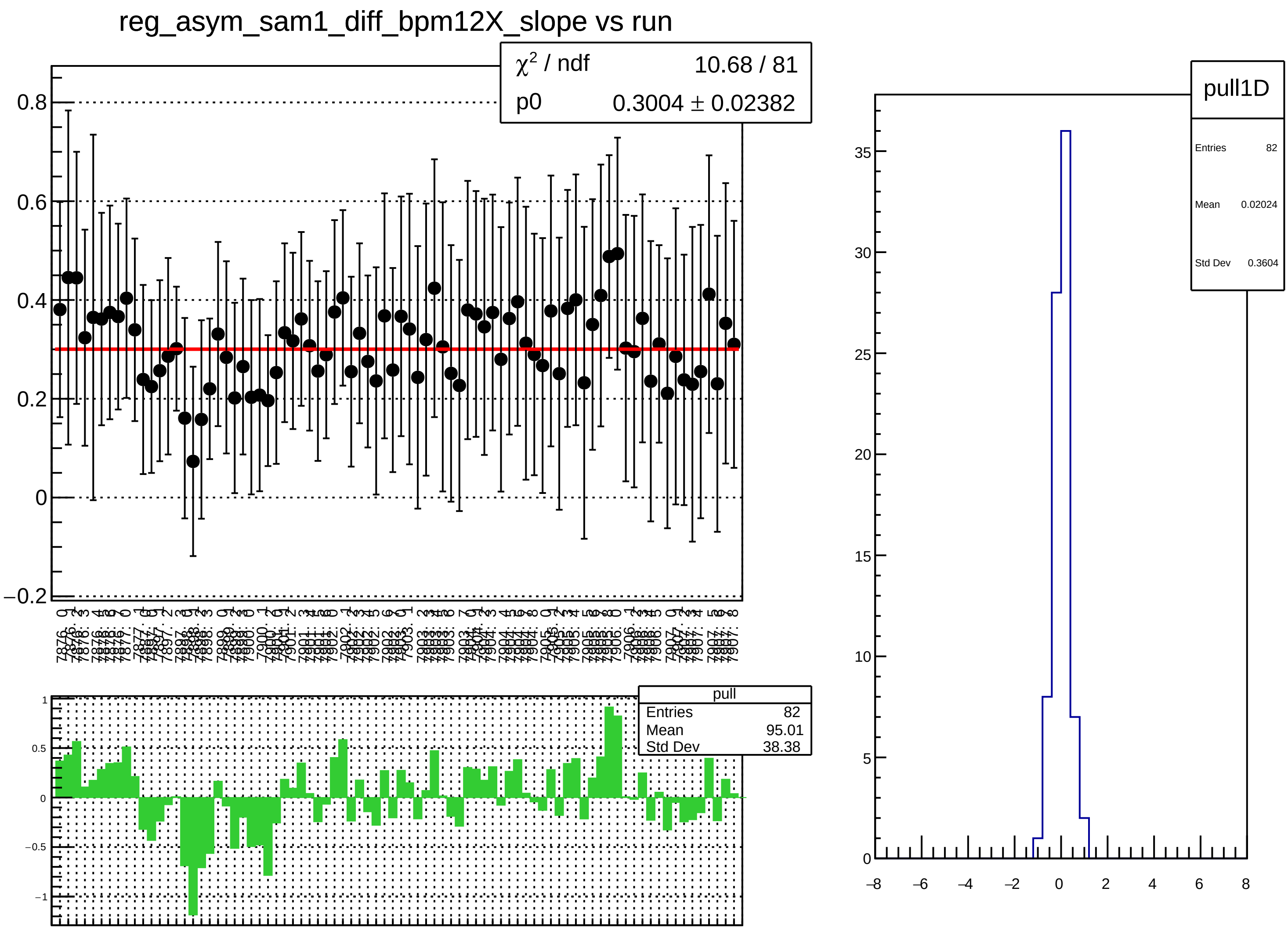




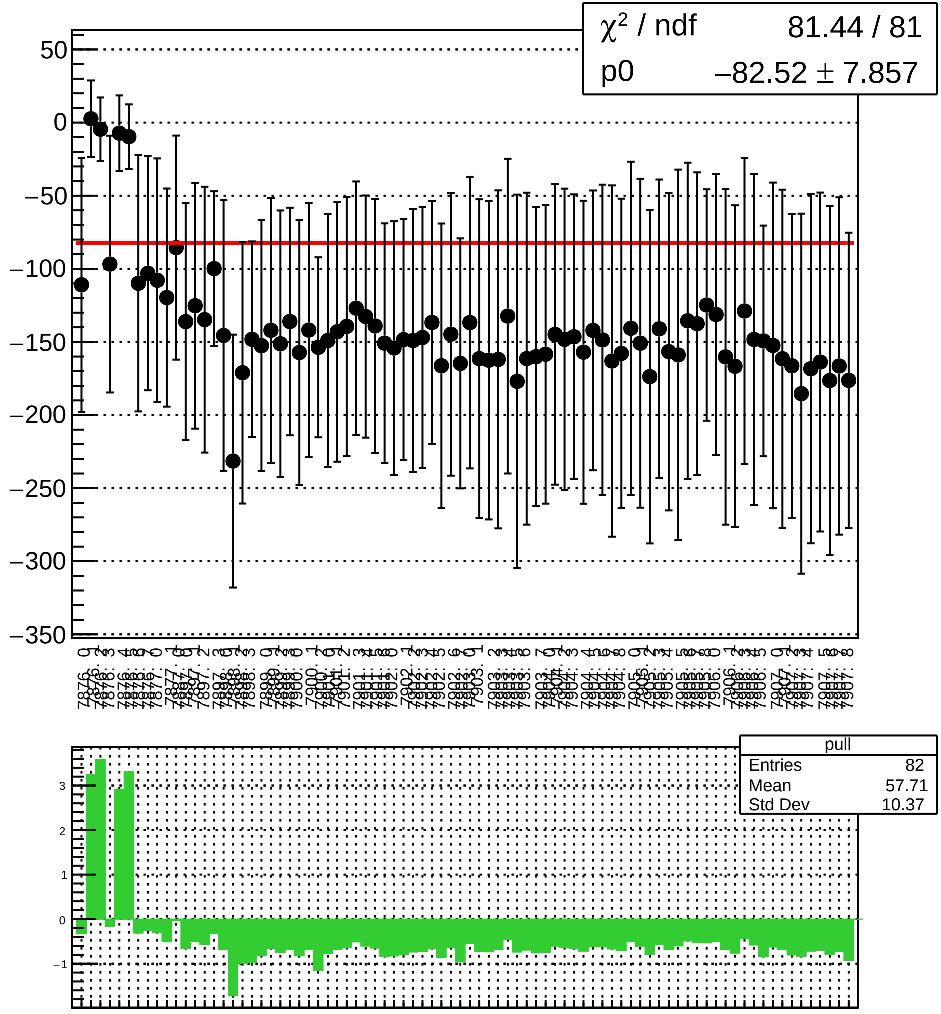
reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 138.8 / 81
p0 −0.5117 ± 0.4811
pull
Entries 82
Mean 62.89
Std Dev 21
pull1D
Entries 82
Mean 0.4469
Std Dev 1.222

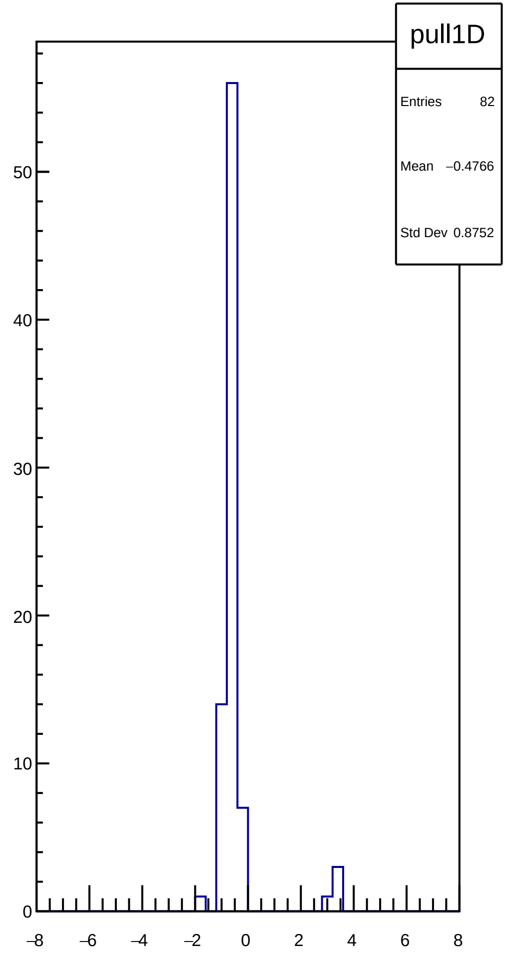


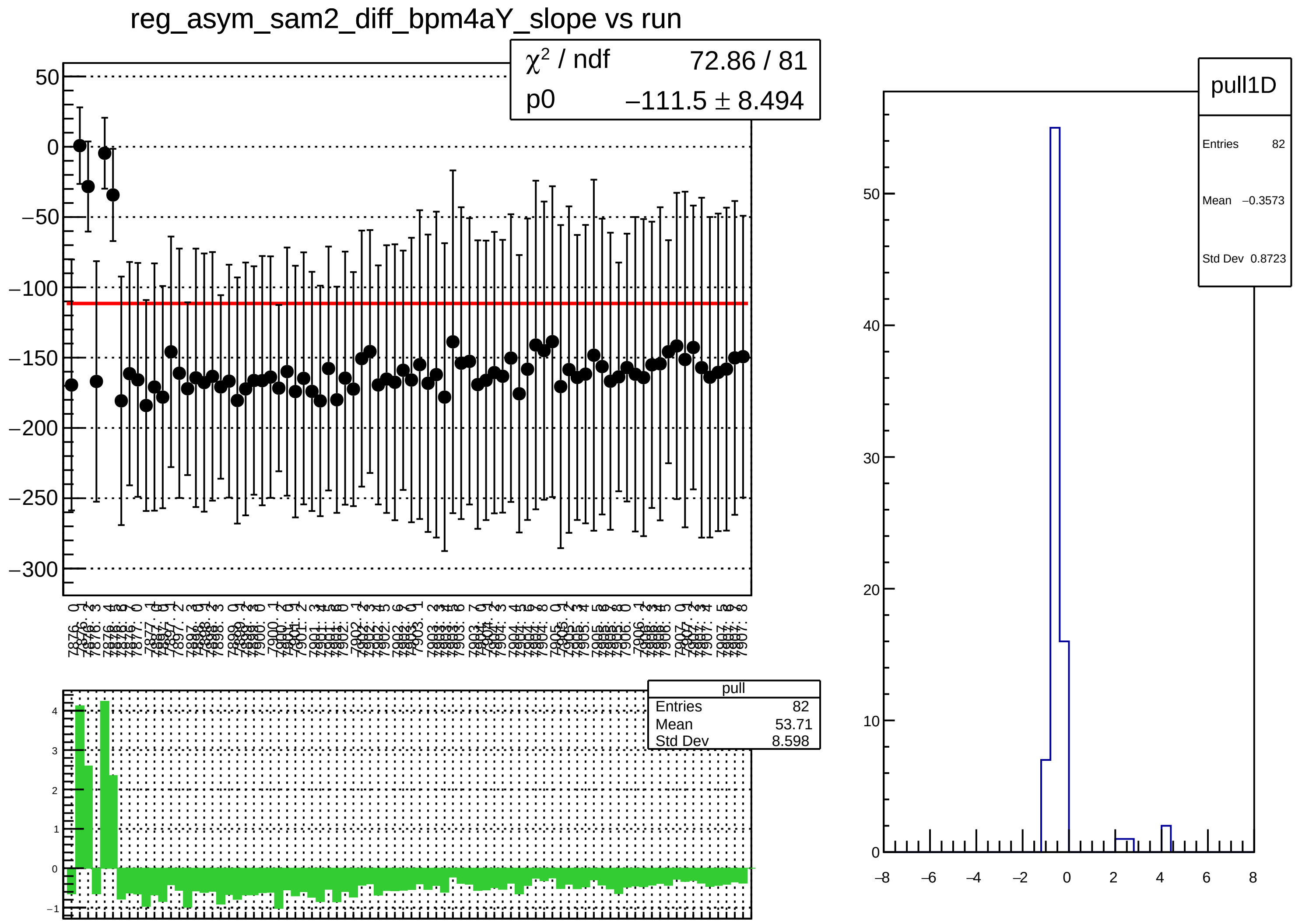
reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 33.49 / 81
p0 22.02 ± 0.7437
pull
Entries 82
Mean −62.06
Std Dev 110.4
pull1D
Entries 82
Mean 0.01176
Std Dev 0.639


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

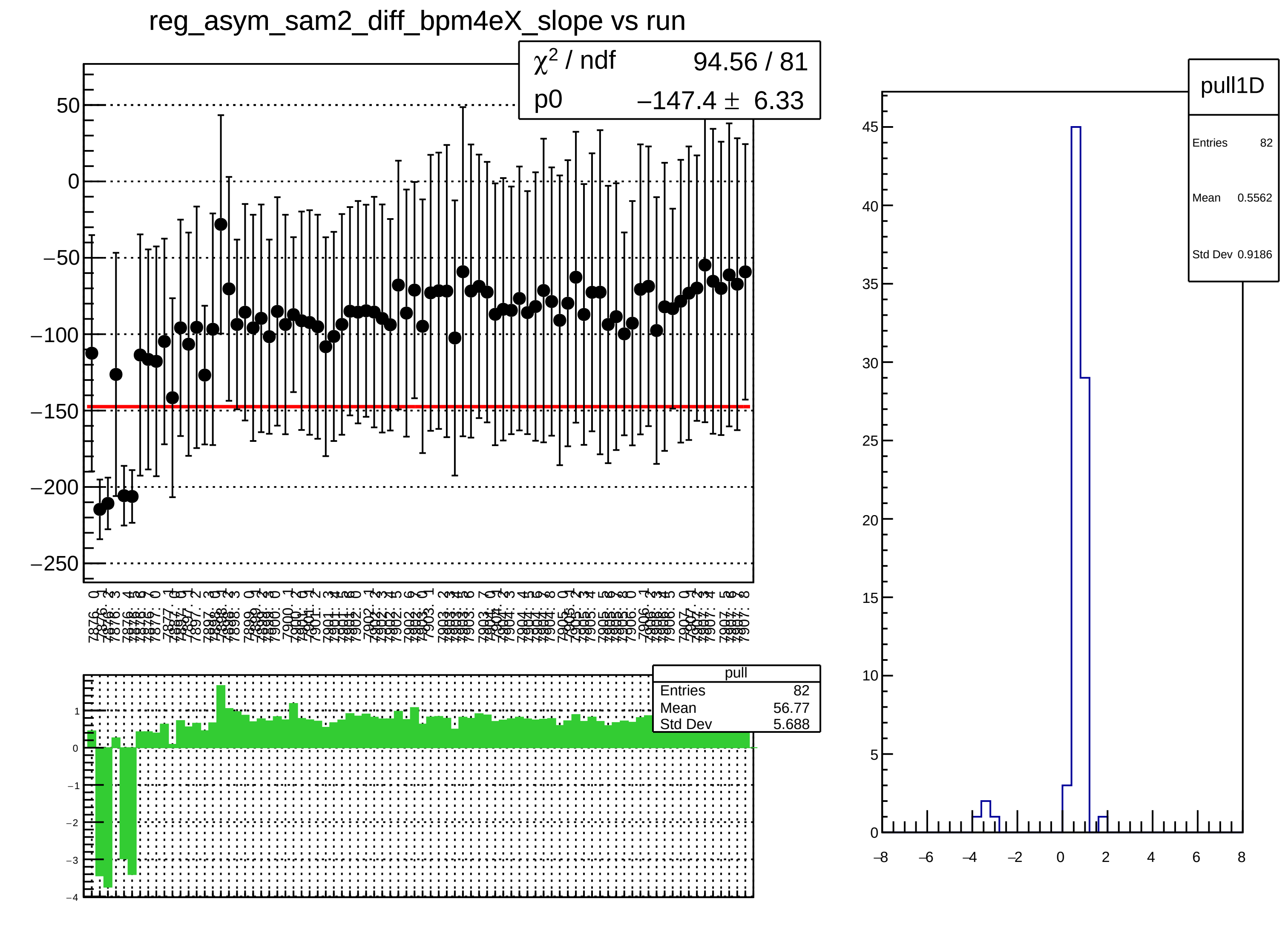
reg_asym_sam2_diff_bpm1X_slope vs run



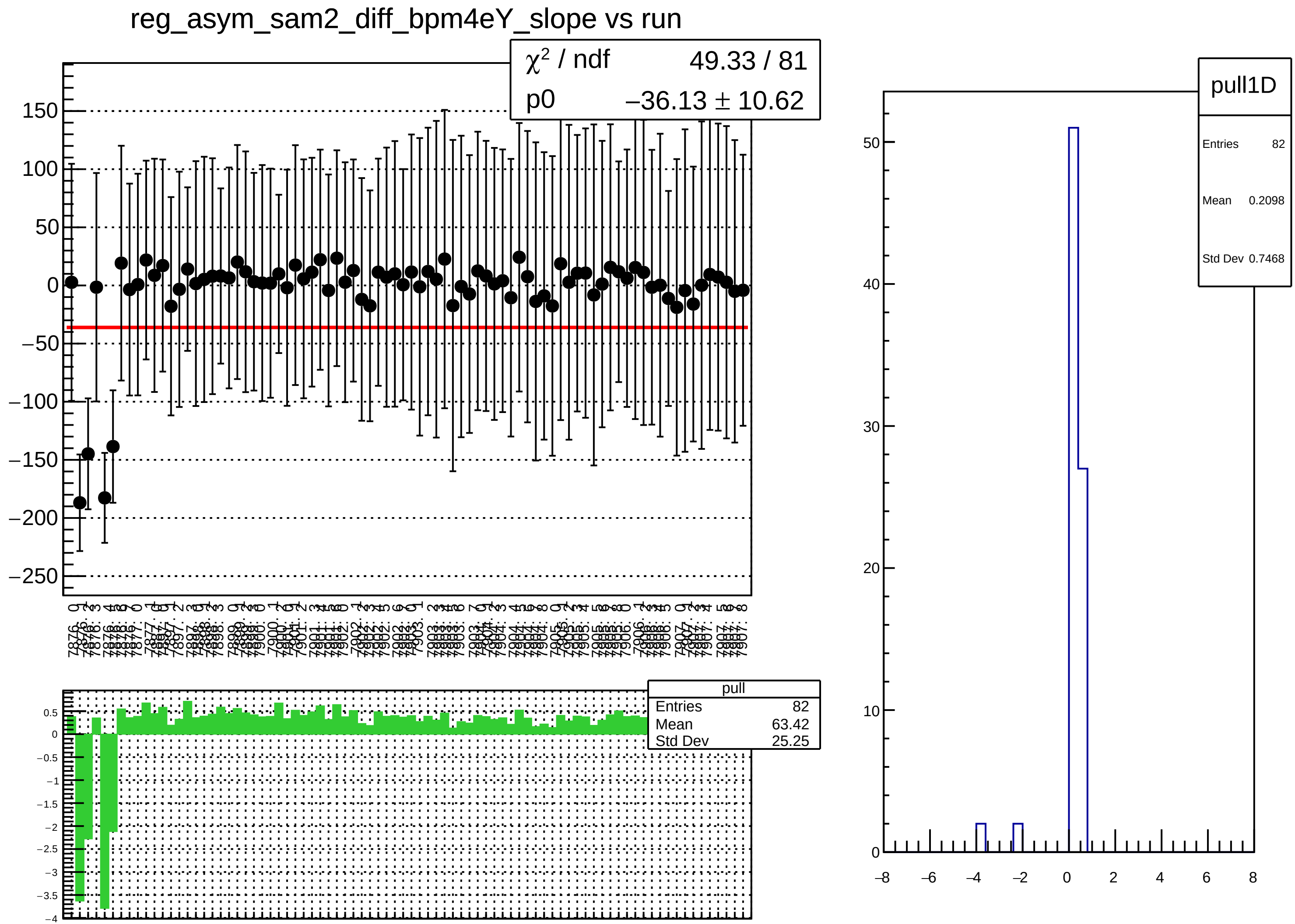


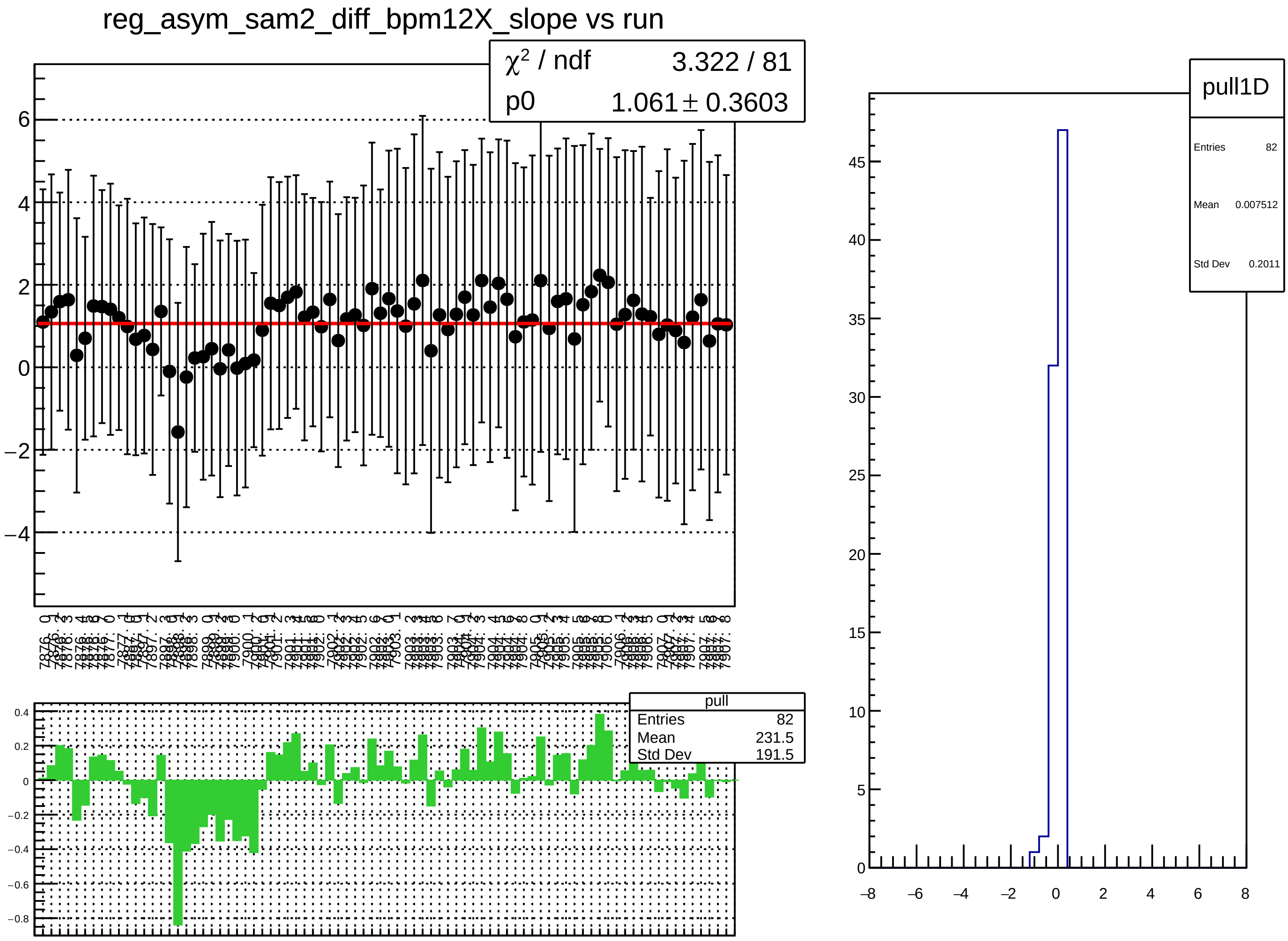


reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 72.86 / 81
p0 −111.5 ± 8.494
pull
Entries 82
Mean 53.71
Std Dev 8.598
pull1D
Entries 82
Mean −0.3573
Std Dev 0.8723



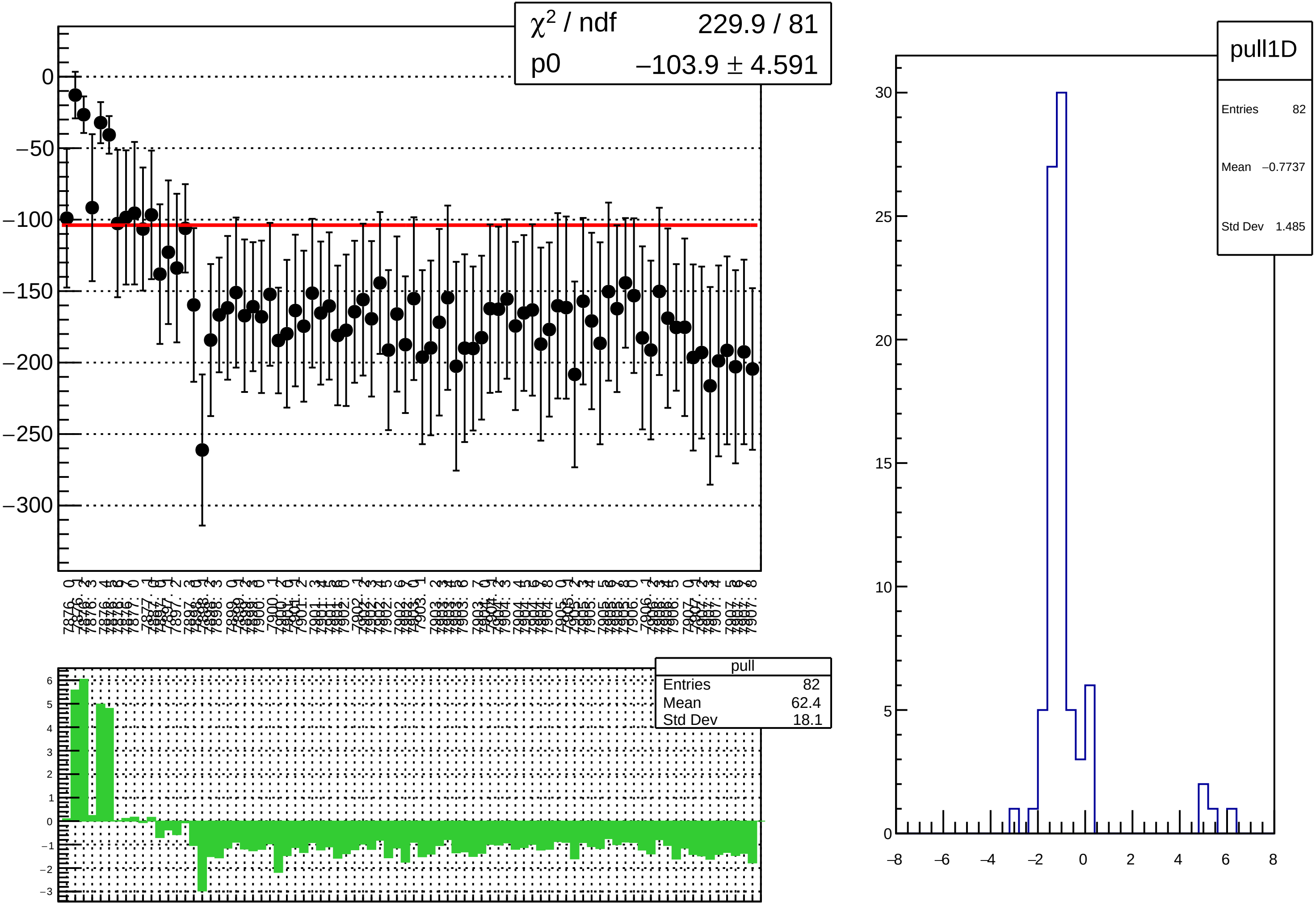
reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 94.56 / 81
p0 −147.4 ± 6.33
pull
Entries 82
Mean 56.77
Std Dev 5.688
pull1D
Entries 82
Mean 0.5562
Std Dev 0.9186

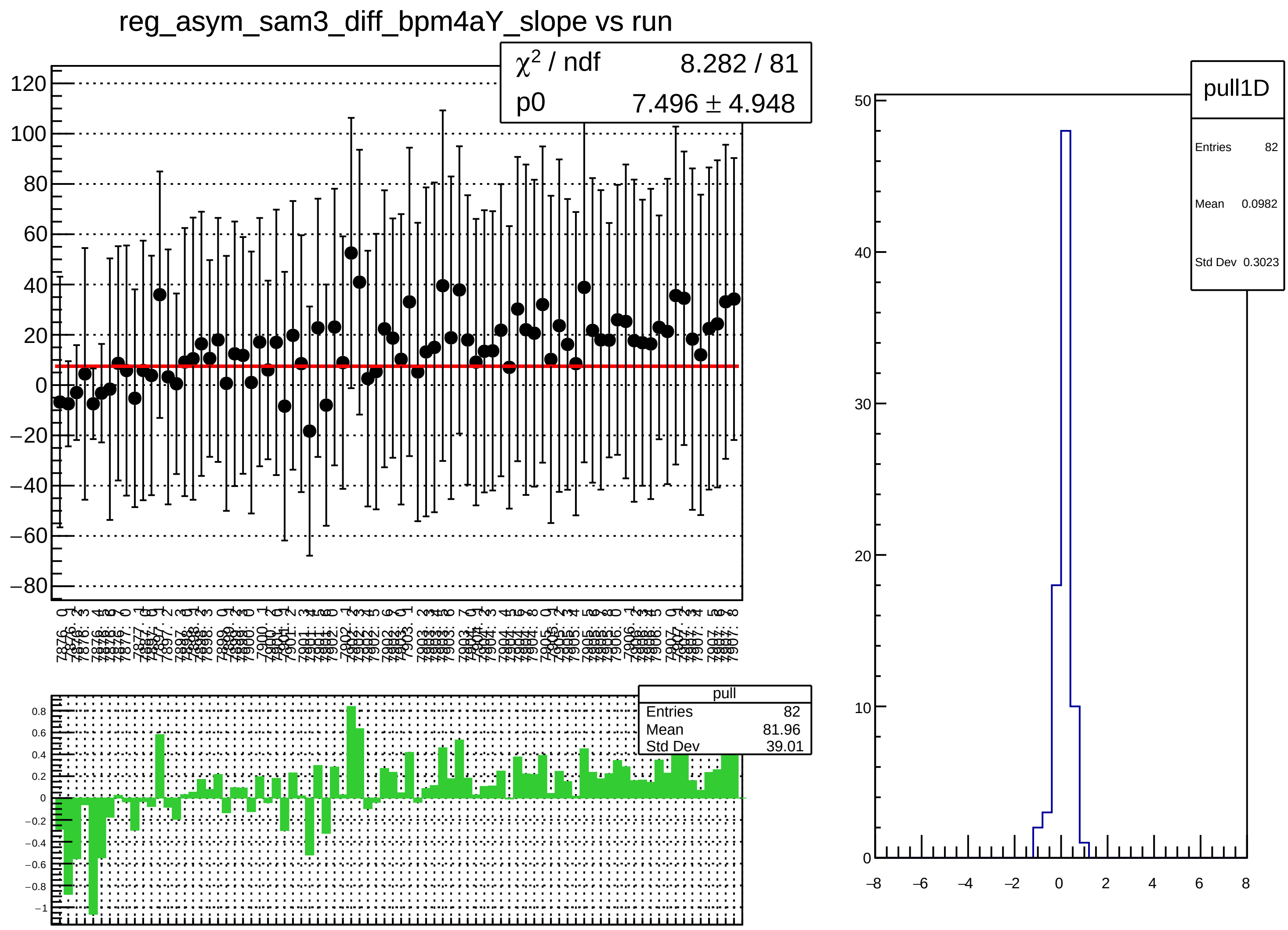

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 49.33 / 81
p0 −36.13 ± 10.62
pull1D
Entries 82
Mean 0.2098
Std Dev 0.7468
pull
Entries 82
Mean 63.42
Std Dev 25.25



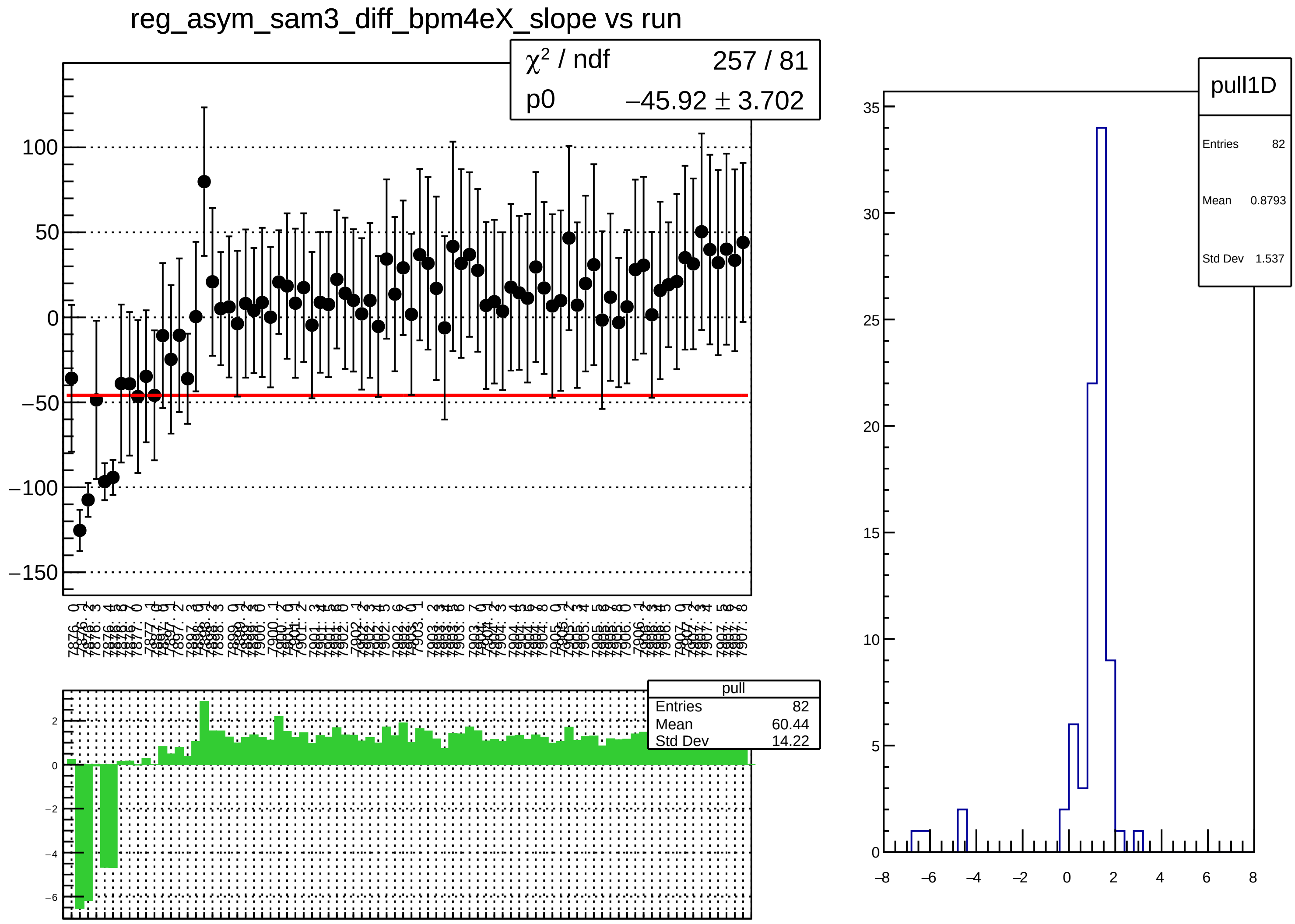
reg_asym_sam2_diff_bpm12X_slope vs run
χ2 / ndf 3.322 / 81
p0 1.061 ± 0.3603
pull
Entries 82
Mean 231.5
Std Dev 191.5
pull1D
Entries 82
Mean 0.007512
Std Dev 0.2011

reg_asym_sam3_diff_bpm1X_slope vs run

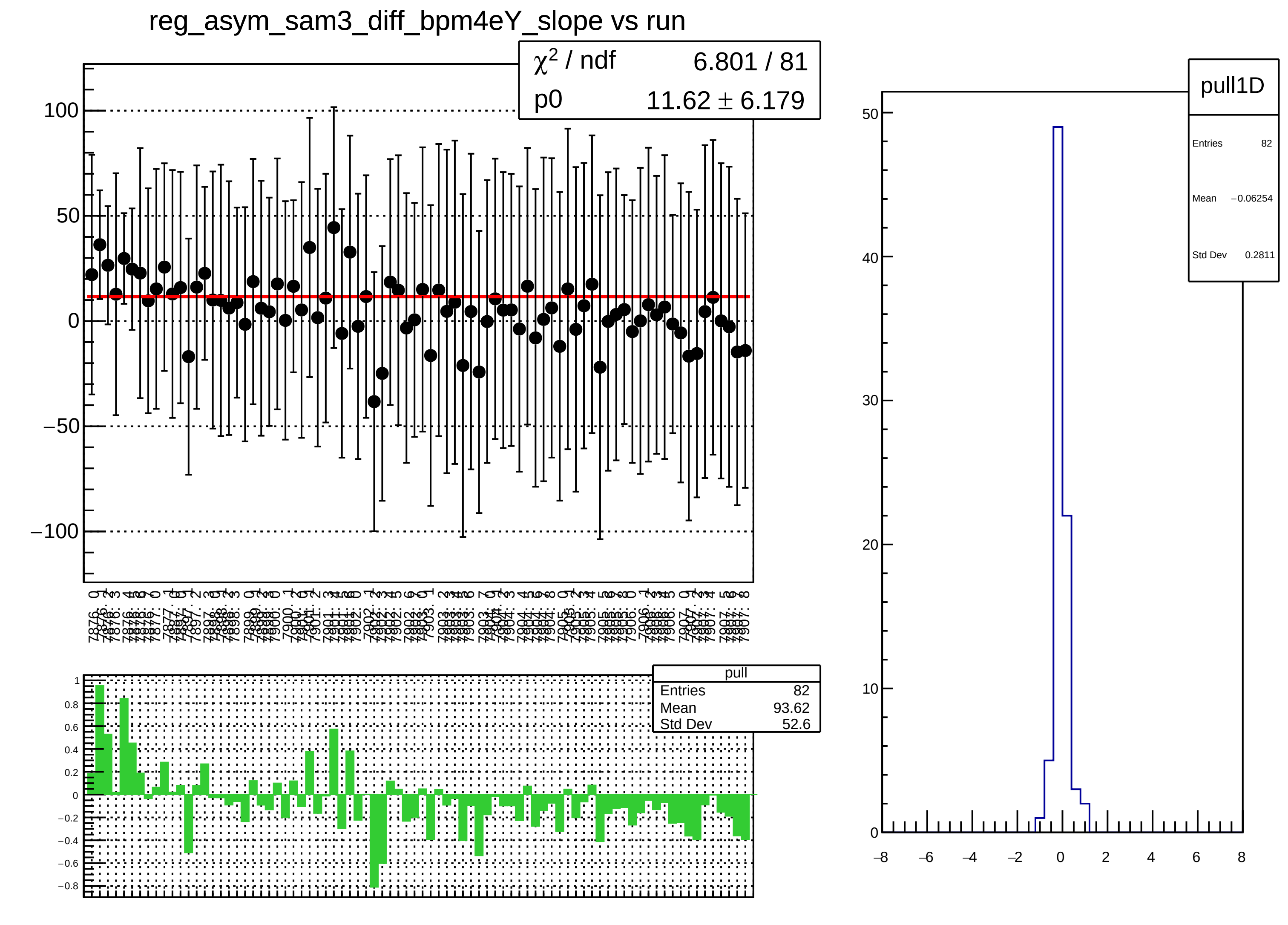




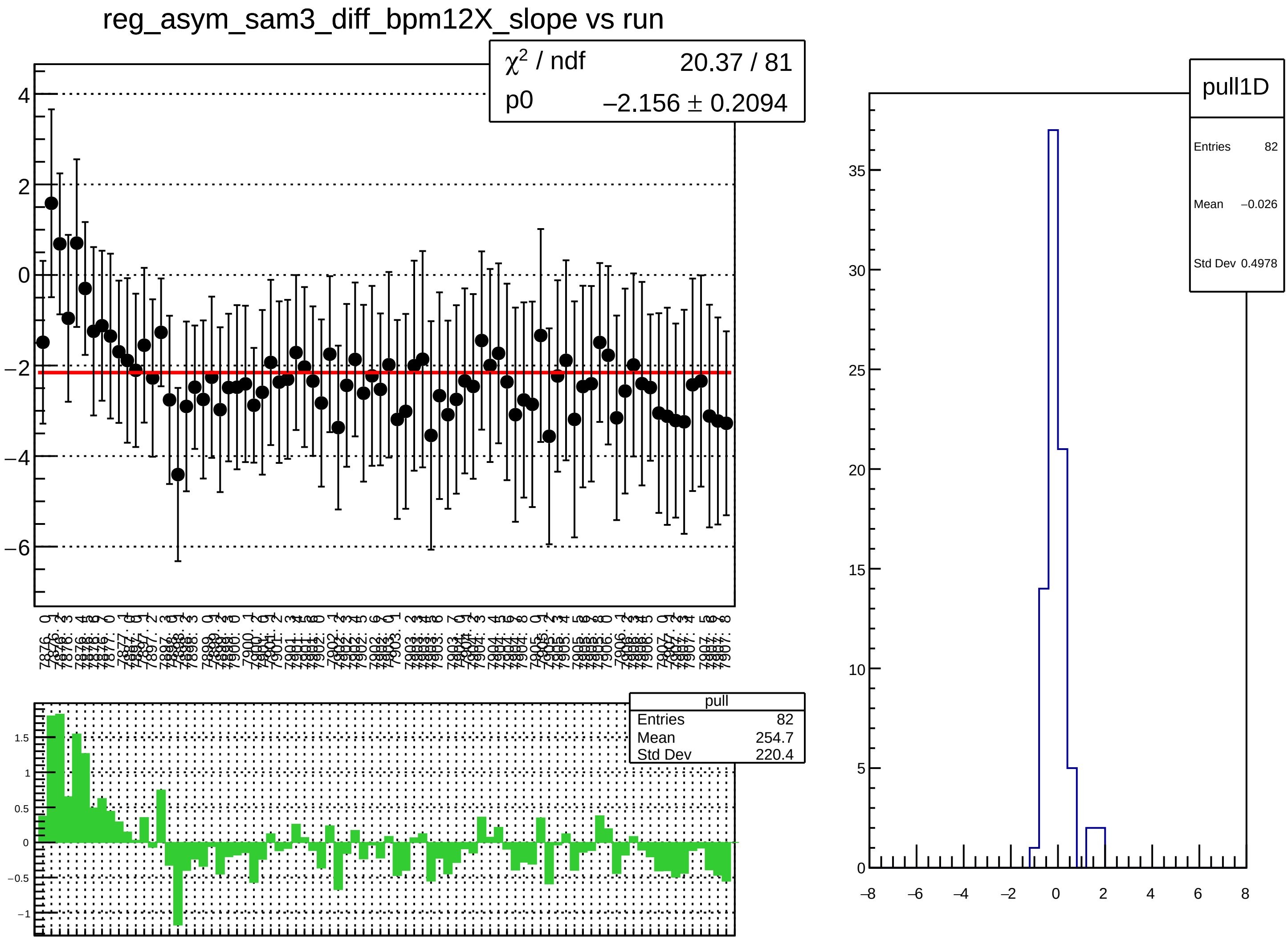
reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 8.282 / 81
p0 7.496 ± 4.948
pull
Entries 82
Mean 81.96
Std Dev 39.01
pull1D
Entries 82
Mean 0.0982
Std Dev 0.3023



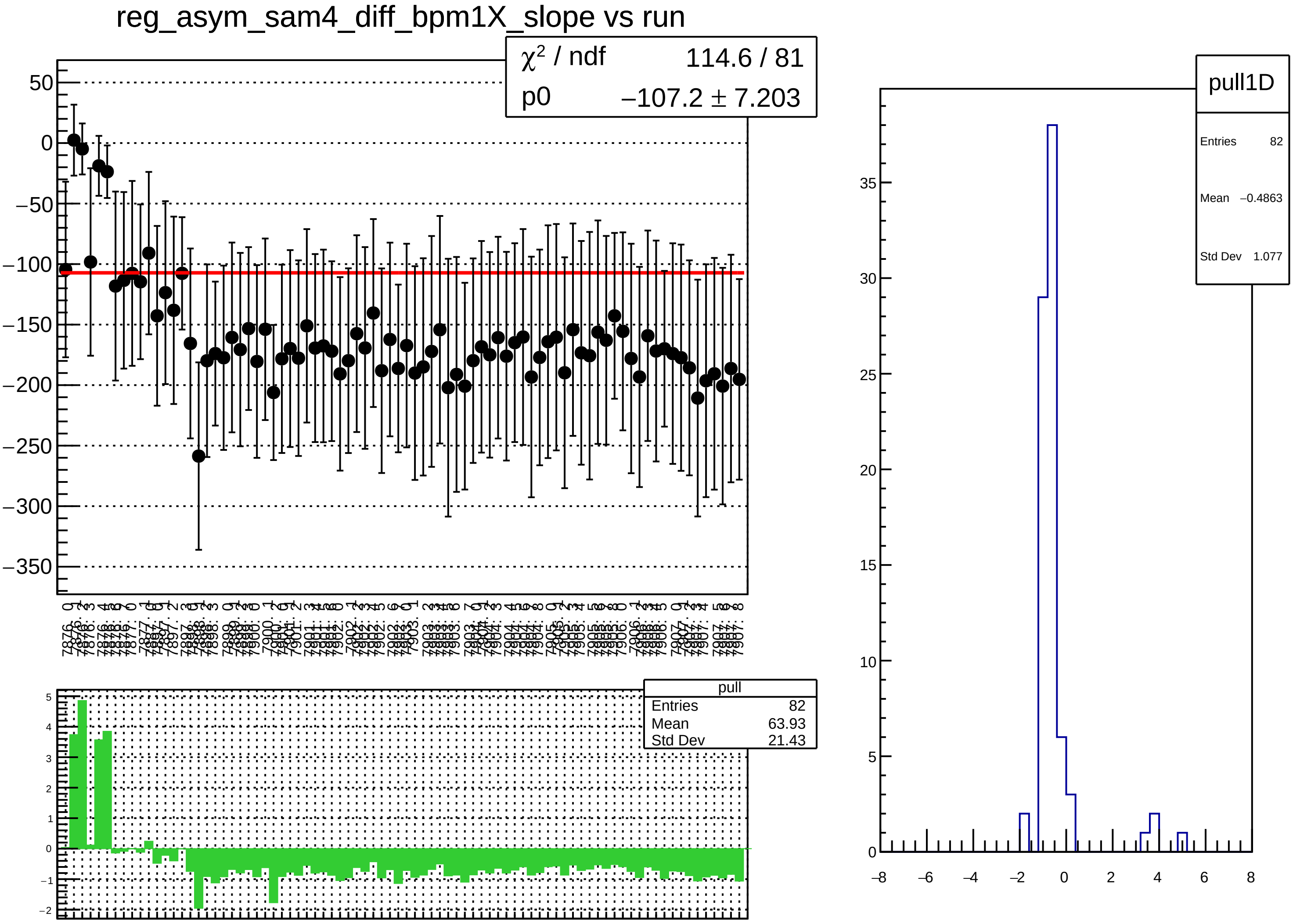
reg_asym_sam3_diff_bpm4eX_slope vs run
χ2 / ndf 257 / 81
p0 −45.92 ± 3.702
pull
Entries 82
Mean 60.44
Std Dev 14.22
pull1D
Entries 82
Mean 0.8793
Std Dev 1.537

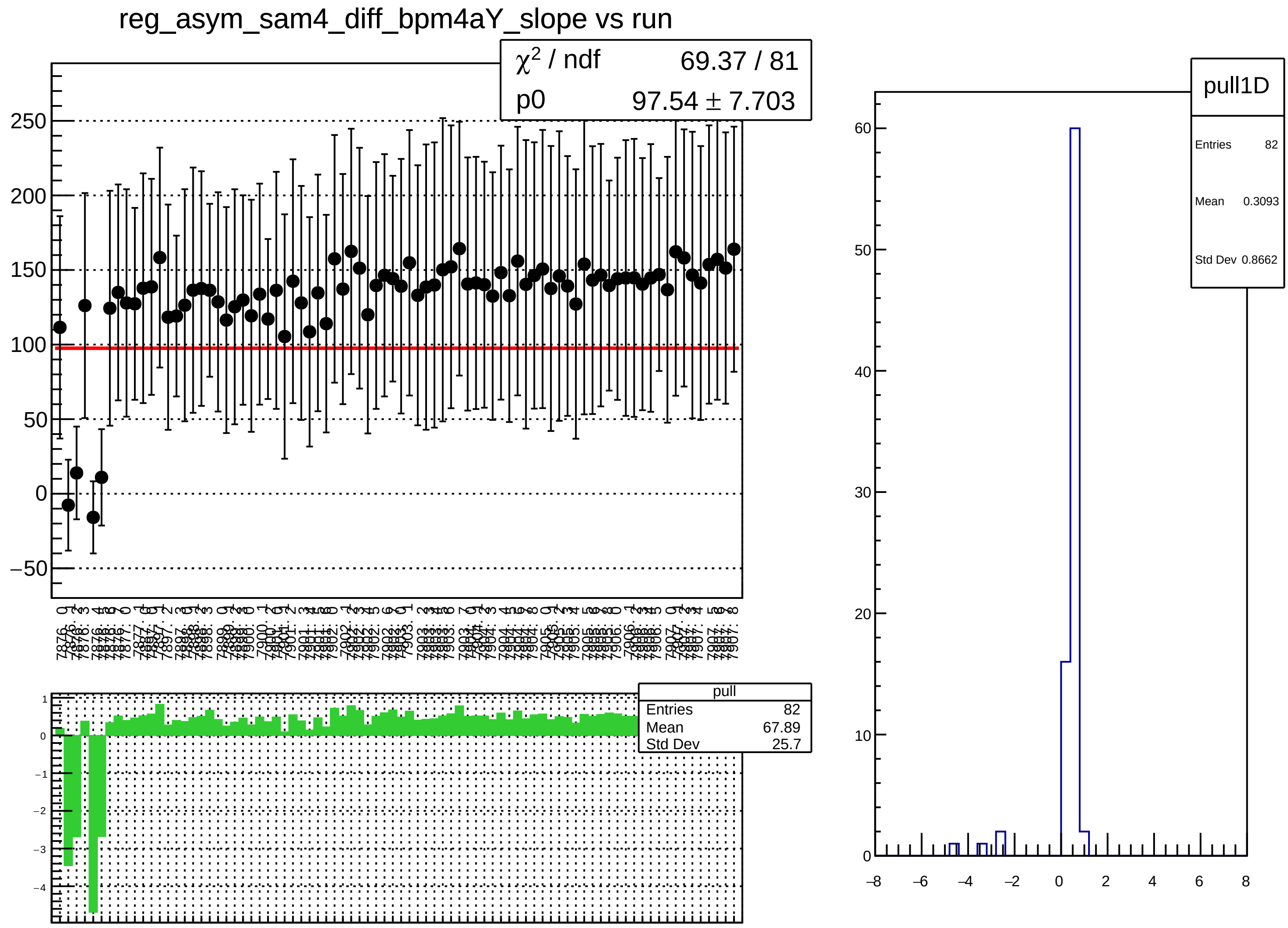


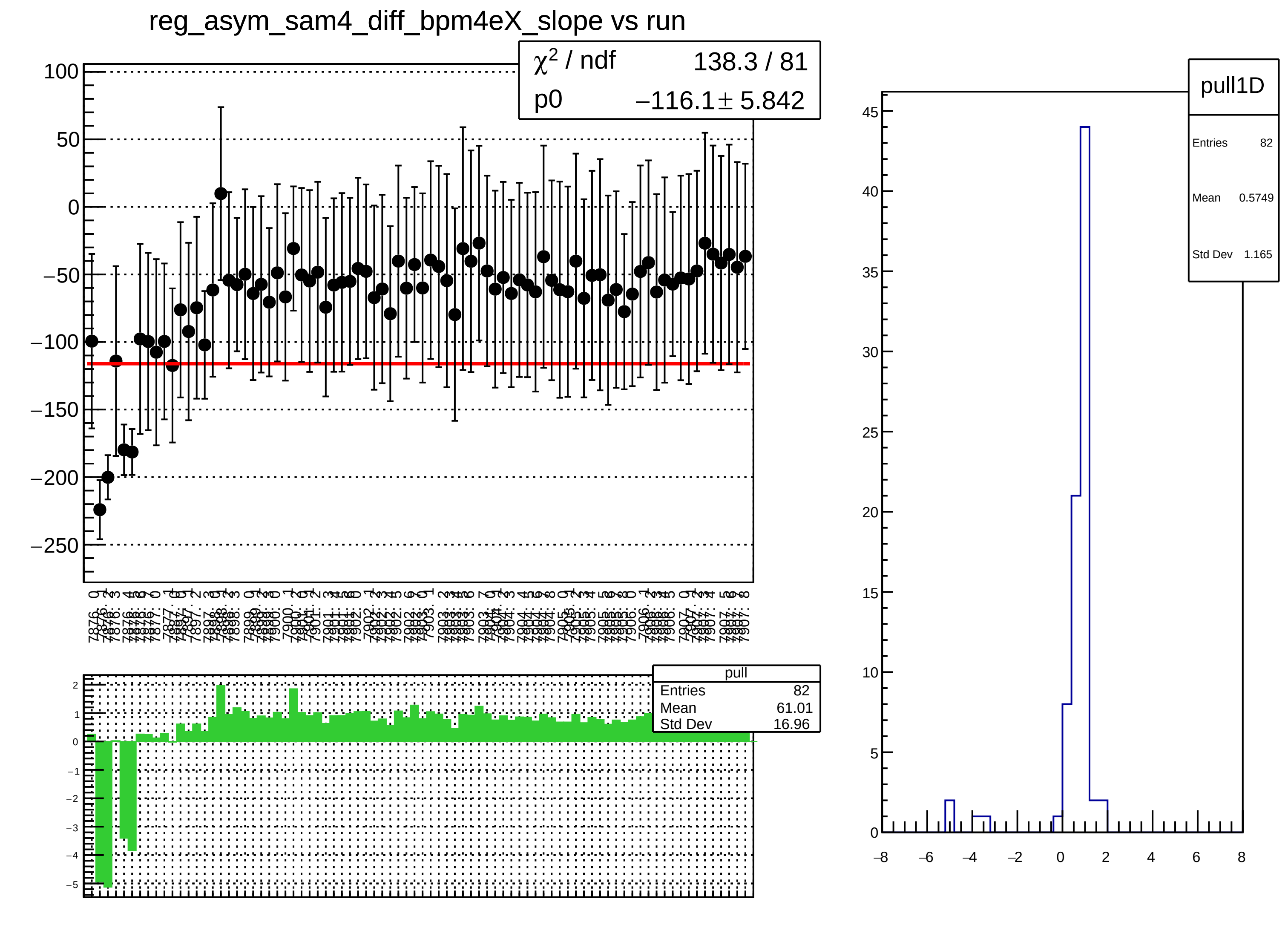
reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 6.801 / 81
p0 11.62 ± 6.179
pull
Entries 82
Mean 93.62
Std Dev 52.6
pull1D
Entries 82
Mean −0.06254
Std Dev 0.2811



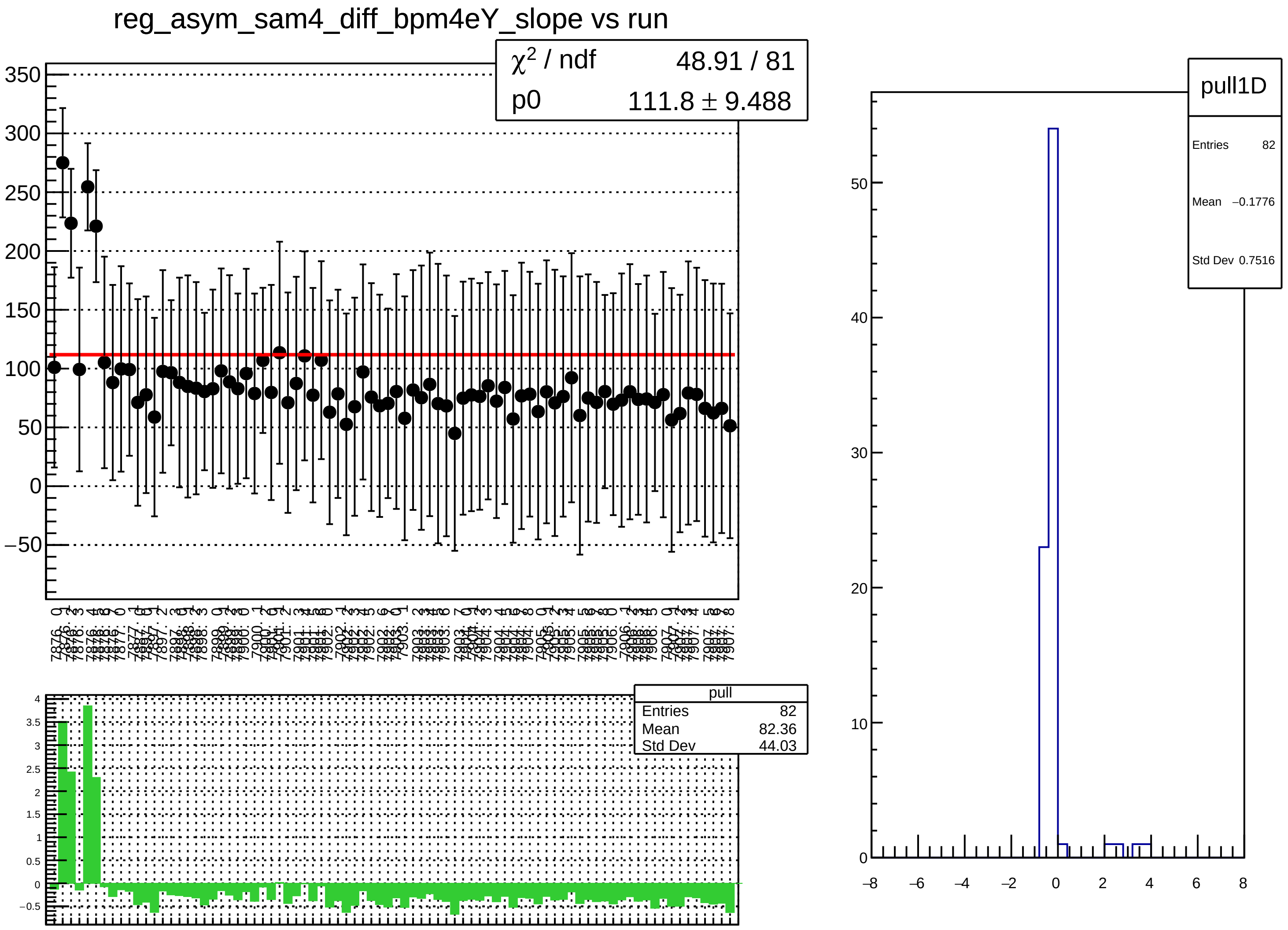
reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 20.37 / 81
p0 −2.156 ± 0.2094
pull
Entries 82
Mean 254.7
Std Dev 220.4
pull1D
Entries 82
Mean −0.026
Std Dev 0.4978


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

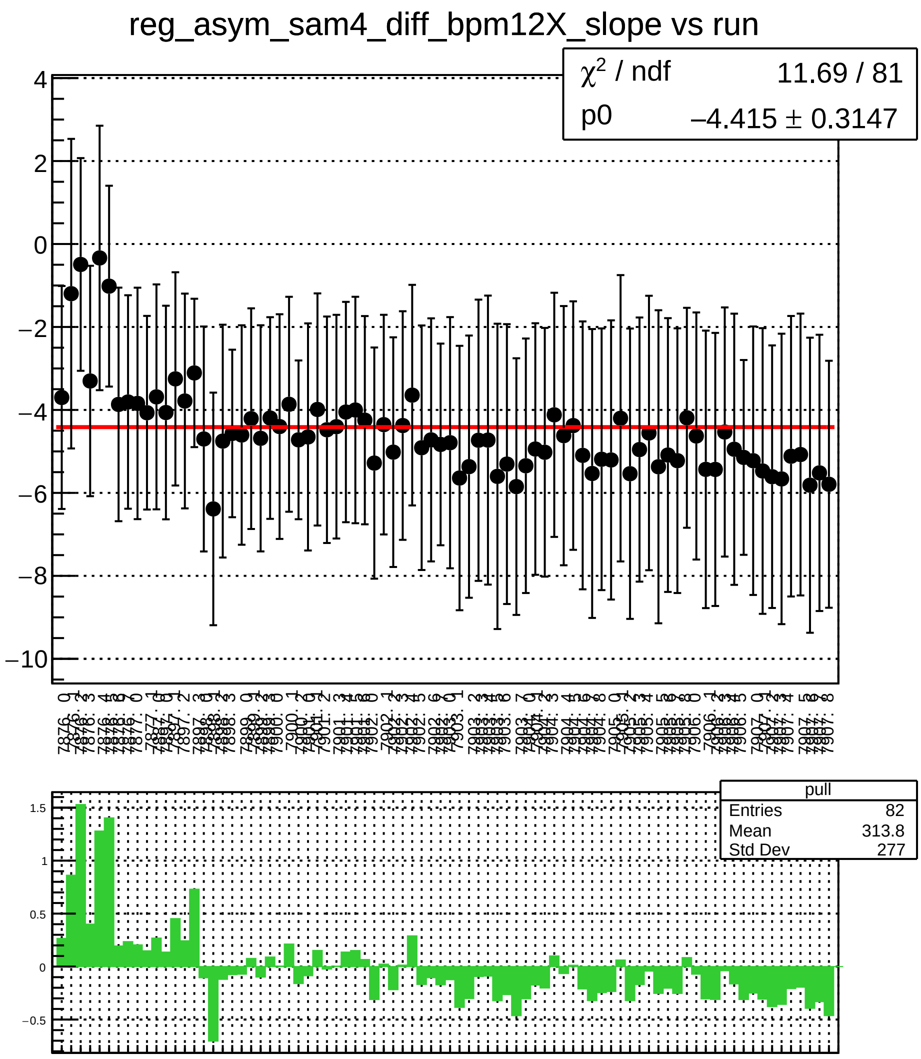

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 69.37 / 81
p0 97.54 ± 7.703
pull
Entries 82
Mean 67.89
Std Dev 25.7
pull1D
Entries 82
Mean 0.3093
Std Dev 0.8662



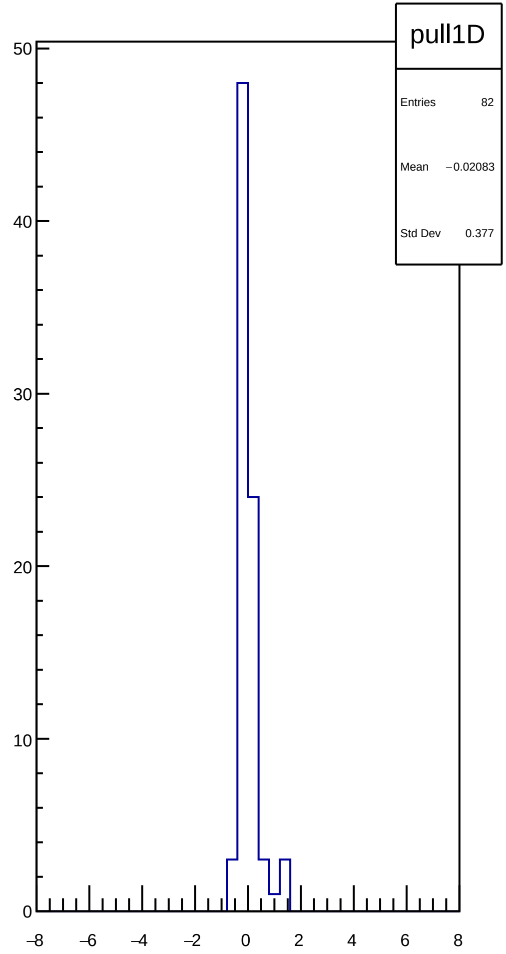
reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 138.3 / 81
p0 −116.1 ± 5.842
pull
Entries 82
Mean 61.01
Std Dev 16.96
pull1D
Entries 82
Mean 0.5749
Std Dev 1.165



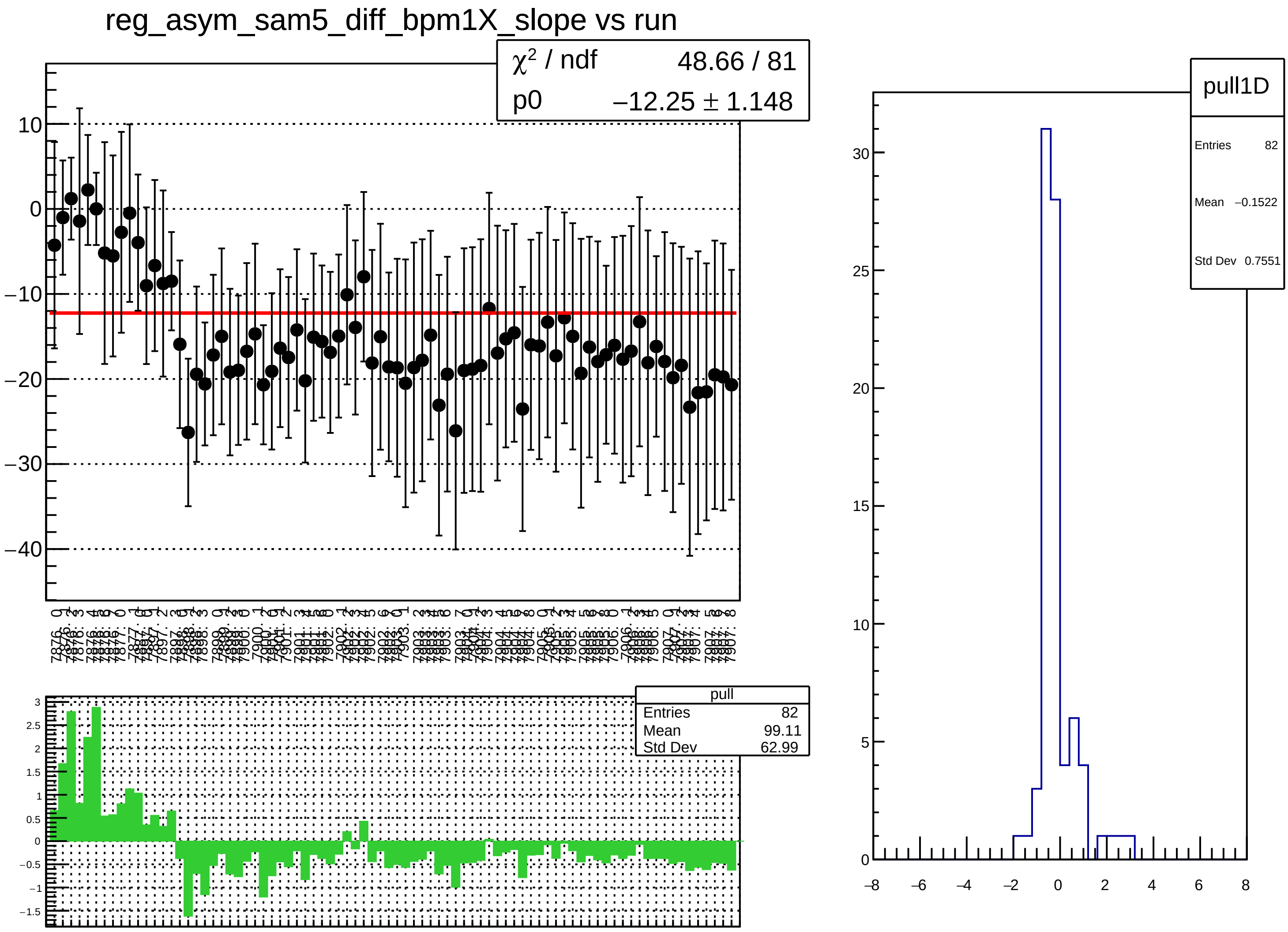
reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 48.91 / 81
p0 111.8 ± 9.488
pull
Entries 82
Mean 82.36
Std Dev 44.03
pull1D
Entries 82
Mean −0.1776
Std Dev 0.7516

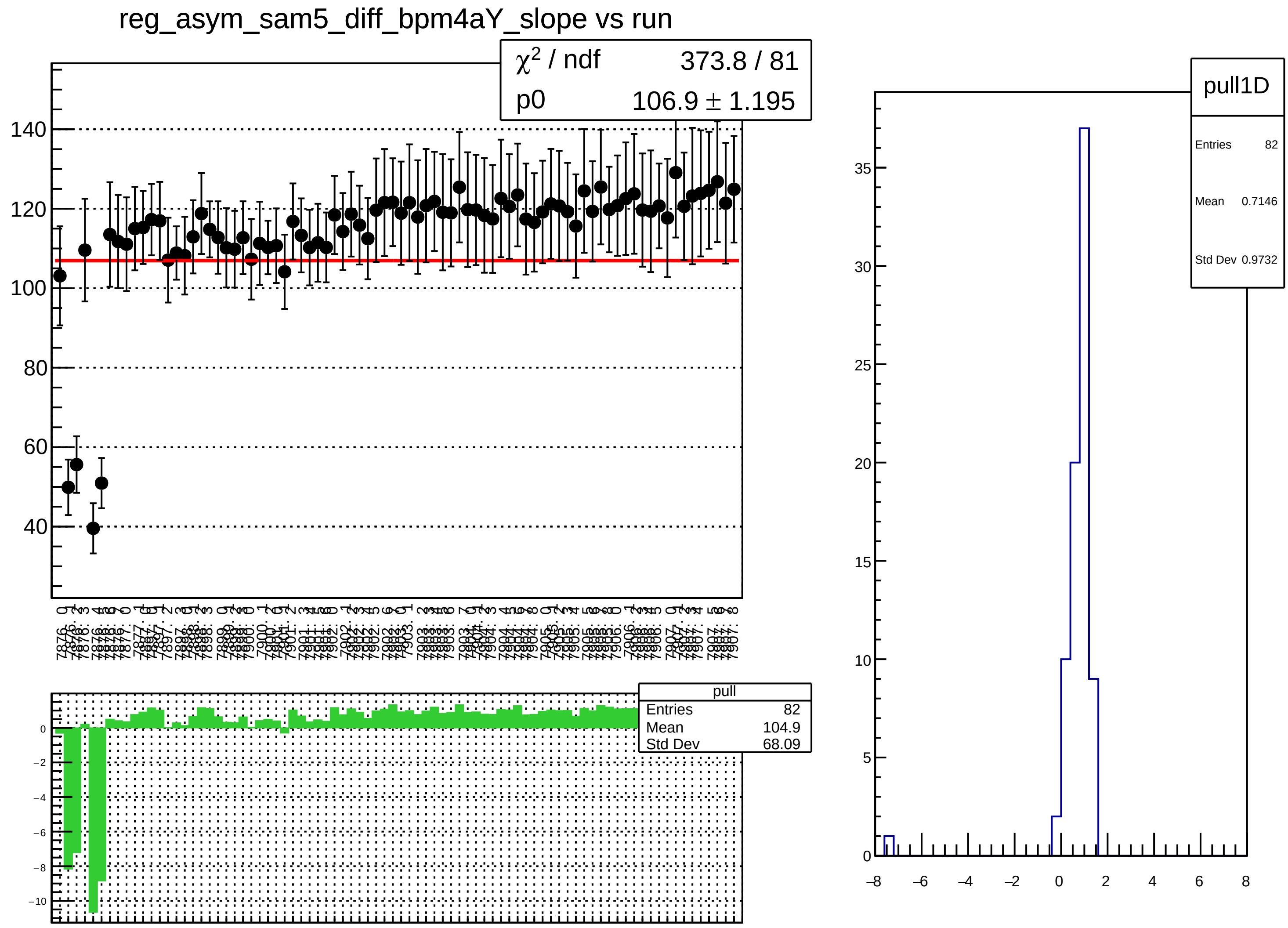


reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 11.69 / 81
p0 −4.415 ± 0.3147
pull
Entries 82
Mean 313.8
Std Dev 277

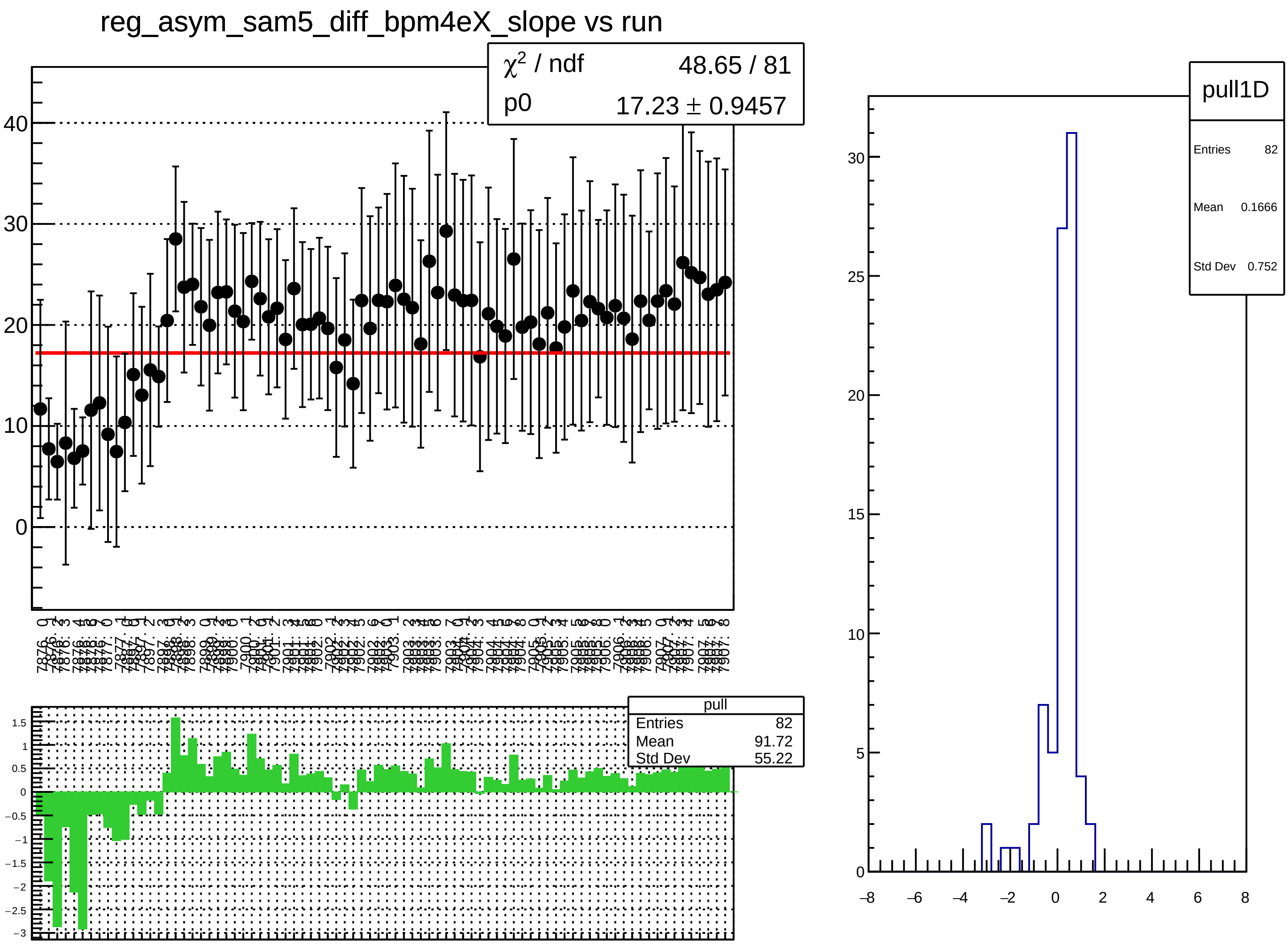


pull1D
Entries 82
Mean −0.02083
Std Dev 0.377

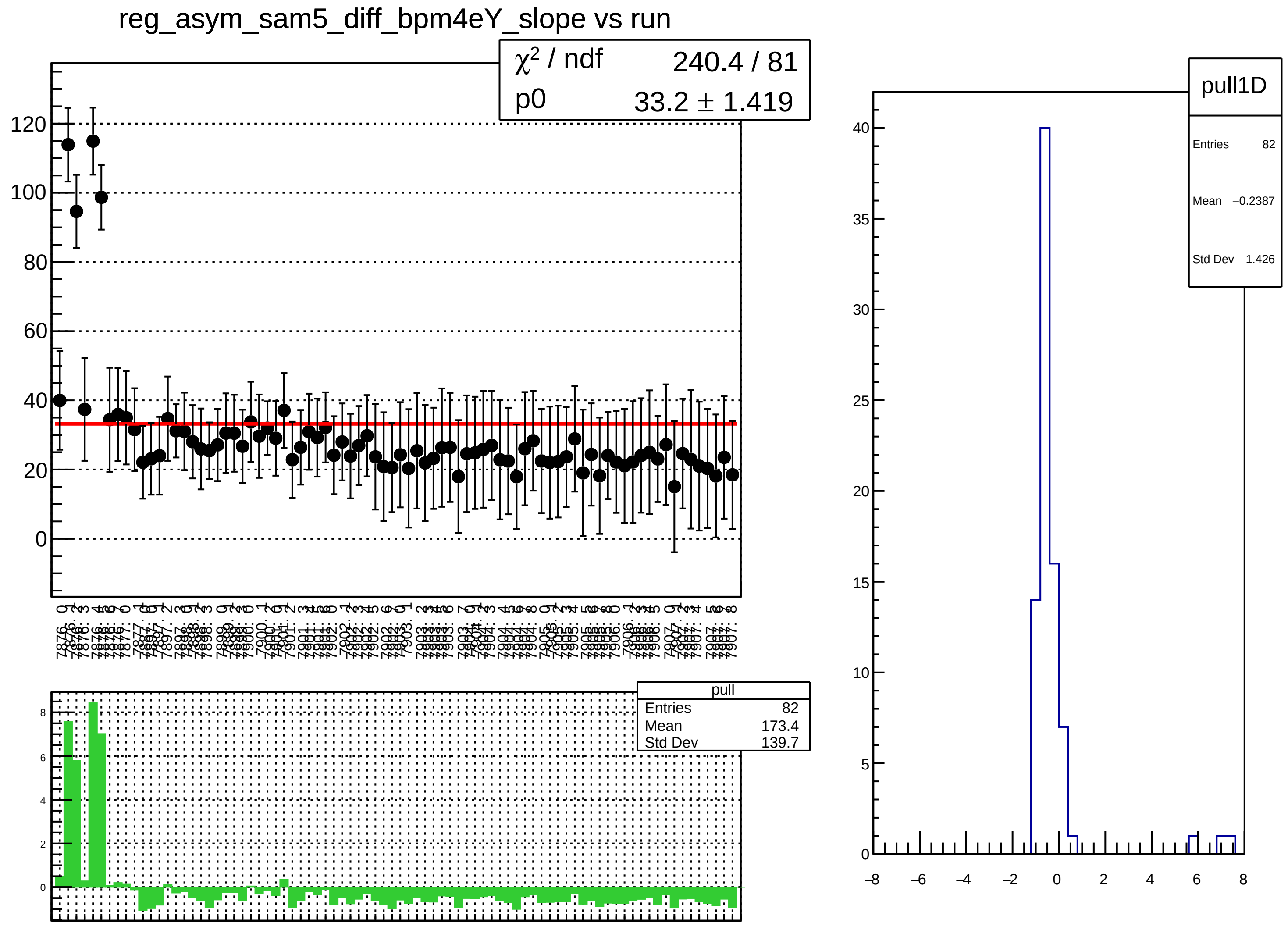

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 48.66 / 81
p0 −12.25 ± 1.148
pull
Entries 82
Mean 99.11
Std Dev 62.99
pull1D
Entries 82
Mean −0.1522
Std Dev 0.7551



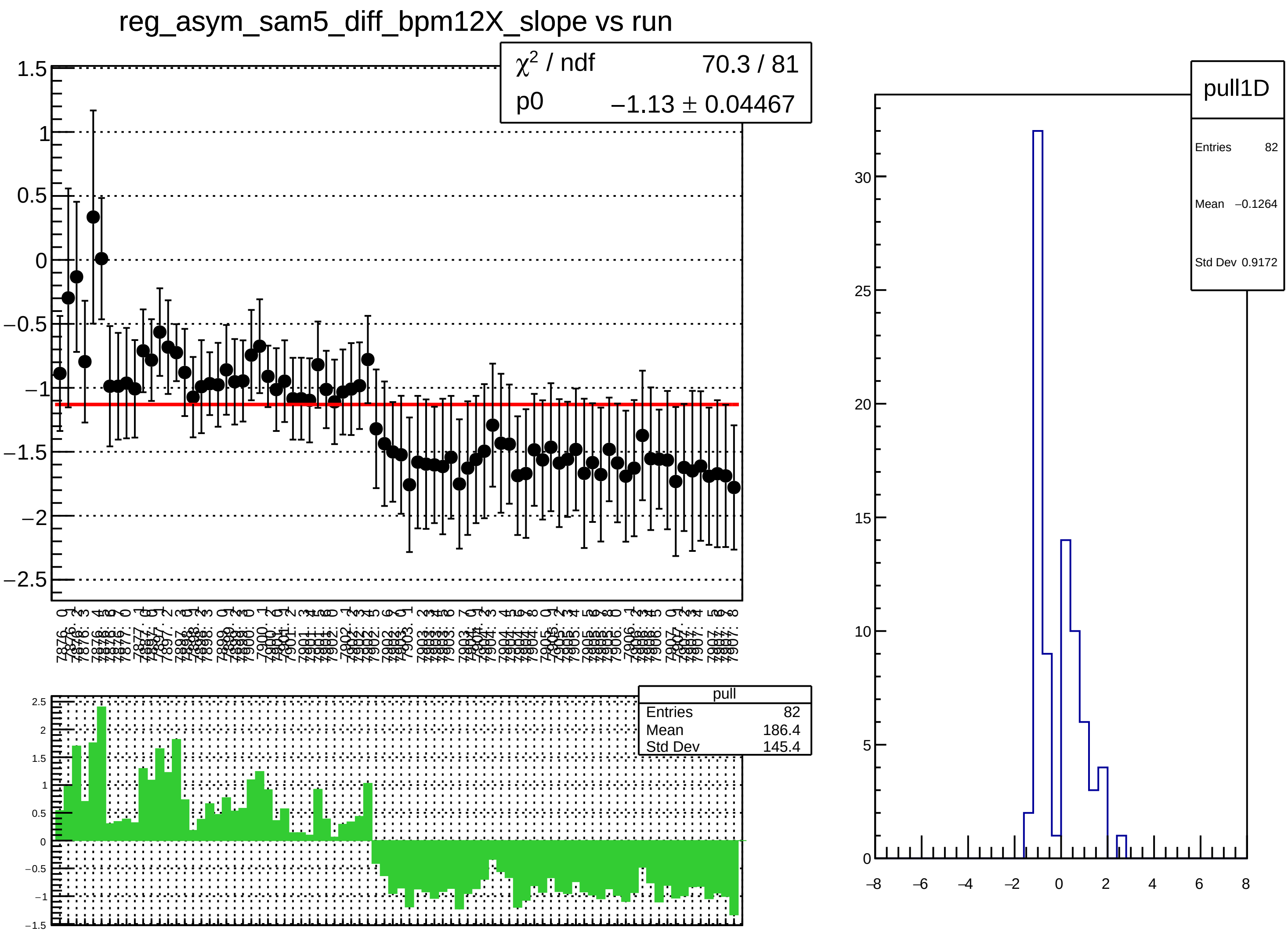
reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 373.8 / 81
p0 106.9 ± 1.195
pull
Entries 82
Mean 104.9
Std Dev 68.09
pull1D
Entries 82
Mean 0.7146
Std Dev 0.9732

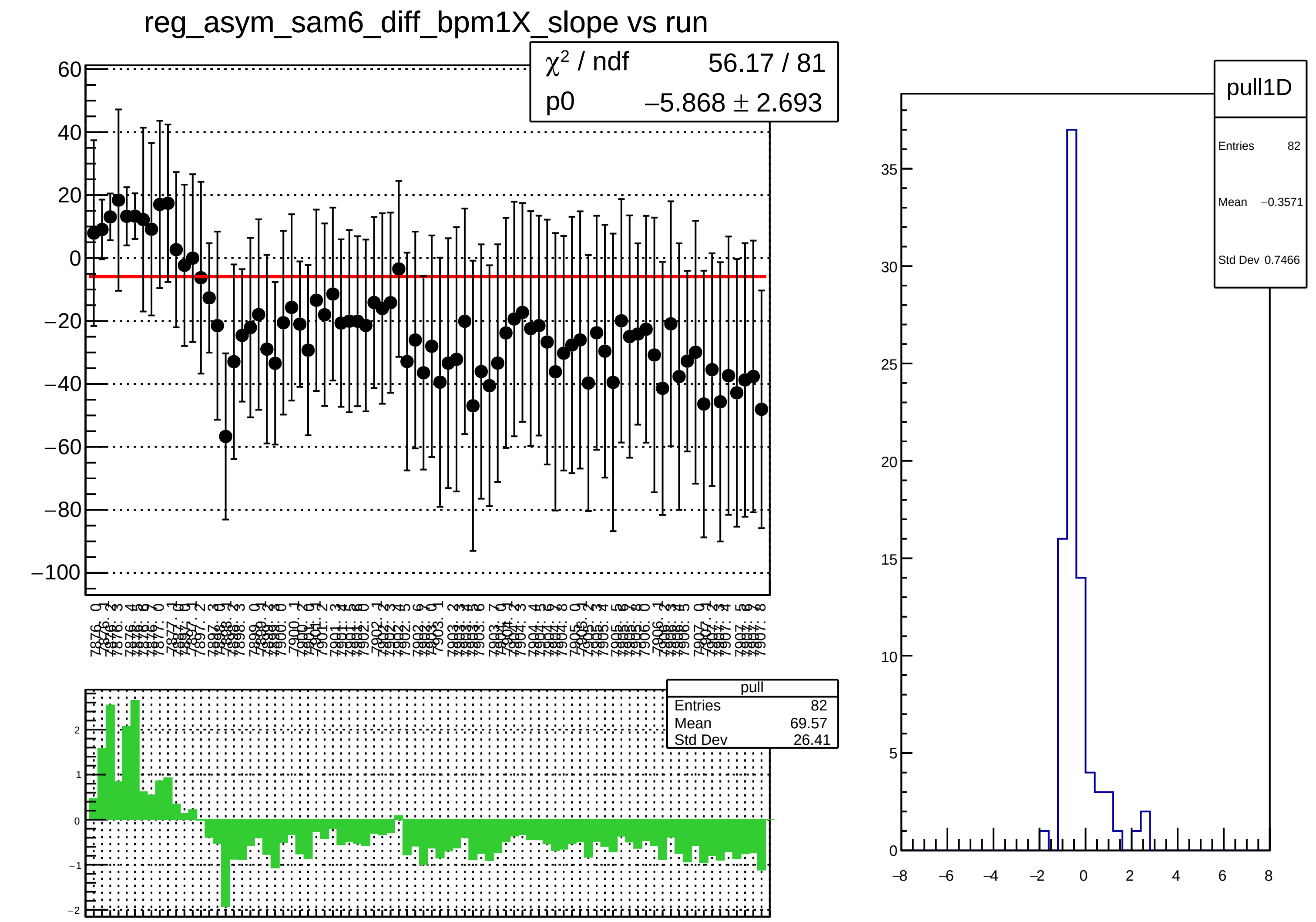


reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 48.65 / 81
p0 17.23 ± 0.9457
pull
Entries 82
Mean 91.72
Std Dev 55.22
pull1D
Entries 82
Mean 0.1666
Std Dev 0.752



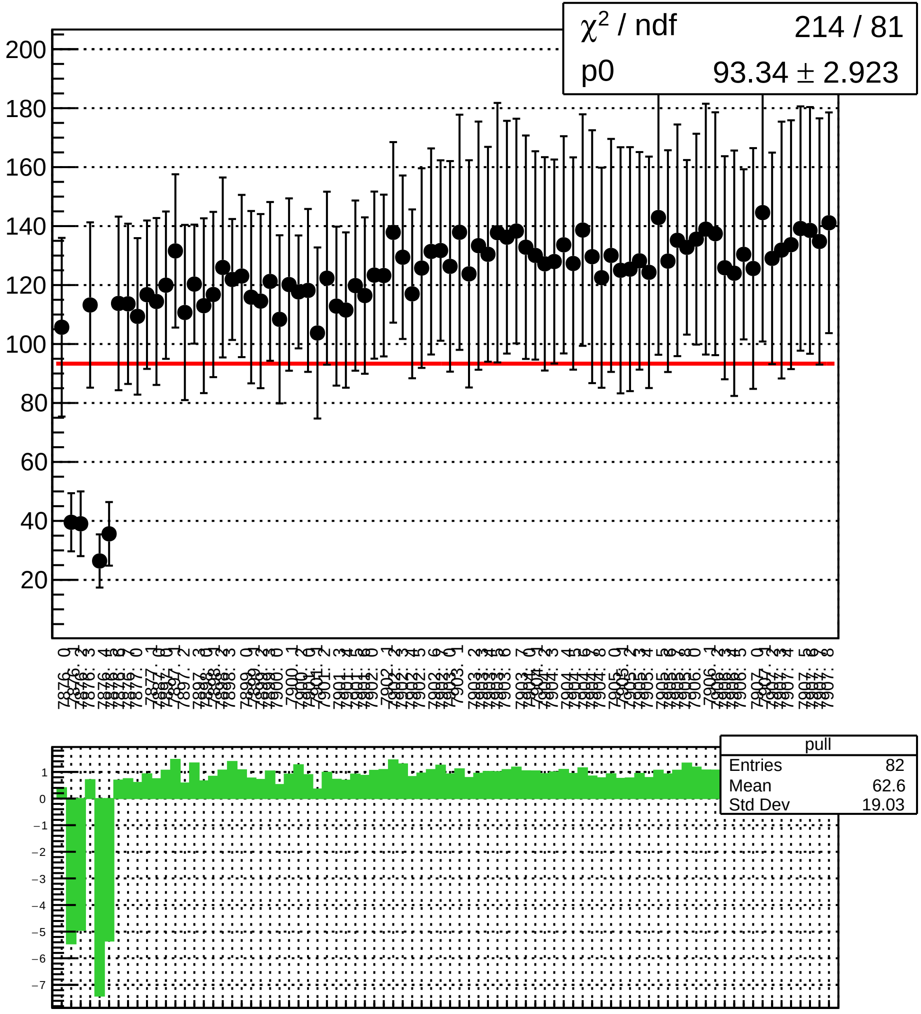
reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 240.4 / 81
p0 33.2 ± 1.419
120
100
80
60
40
20
0
pull
Entries 82
Mean 173.4
Std Dev 139.7
8
6
4
2
0
pull1D
Entries 82
Mean −0.2387
Std Dev 1.426
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

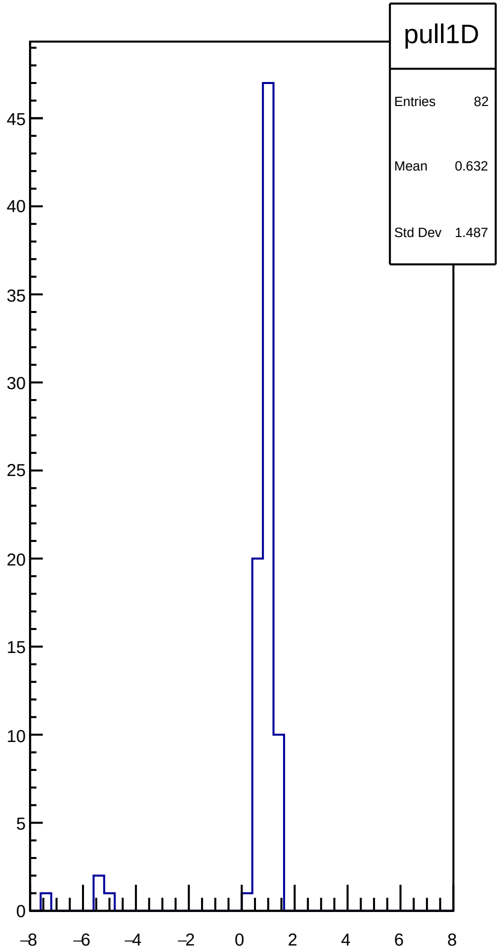

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 70.3 / 81
p0 −1.13 ± 0.04467
pull
Entries 82
Mean 186.4
Std Dev 145.4
pull1D
Entries 82
Mean −0.1264
Std Dev 0.9172

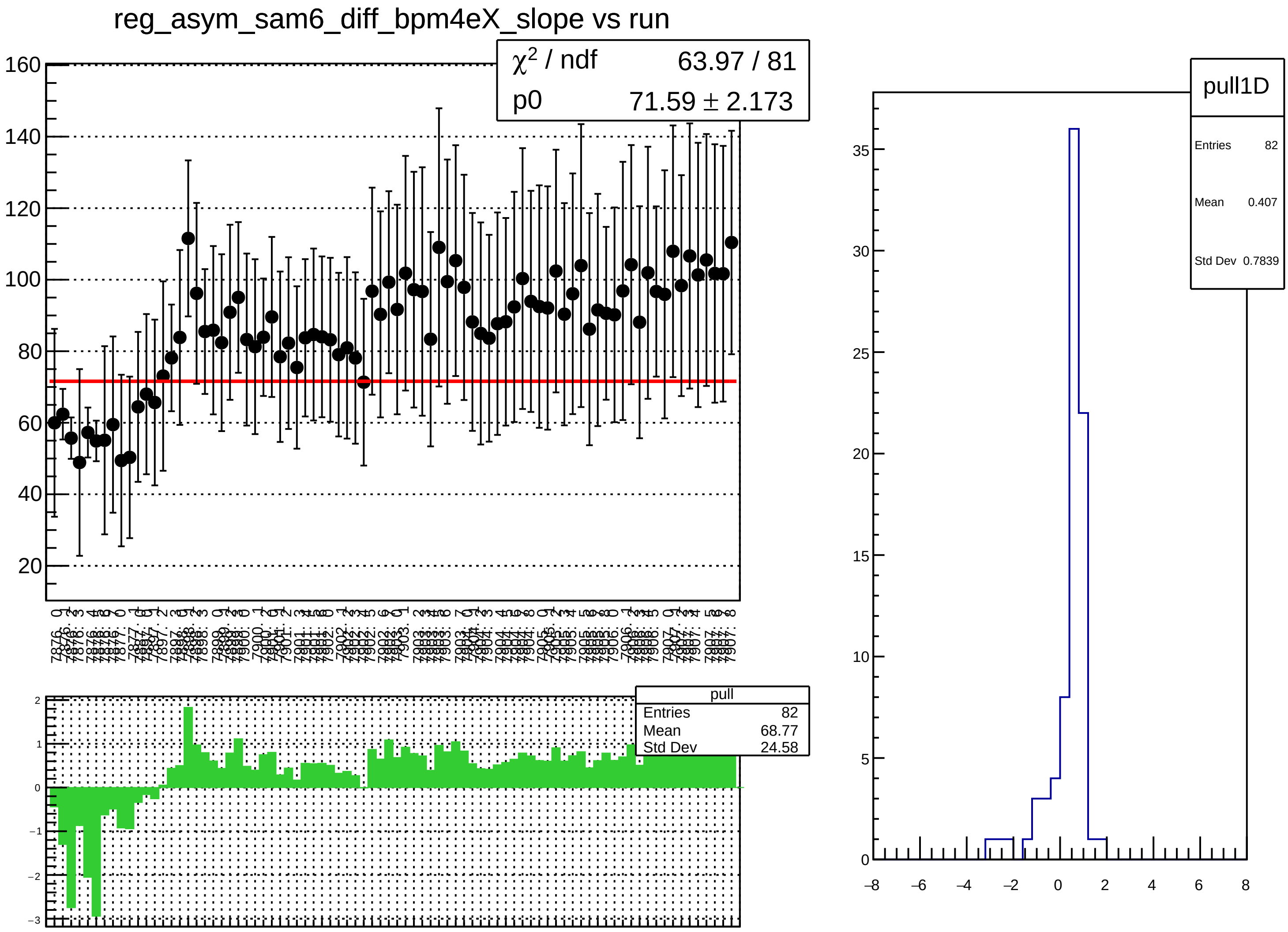


reg_asym_sam6_diff_bpm1X_slope vs run
χ2 / ndf 56.17 / 81
p0 −5.868 ± 2.693
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 82
Mean 69.57
Std Dev 26.41
pull1D
Entries 82
Mean −0.3571
Std Dev 0.7466

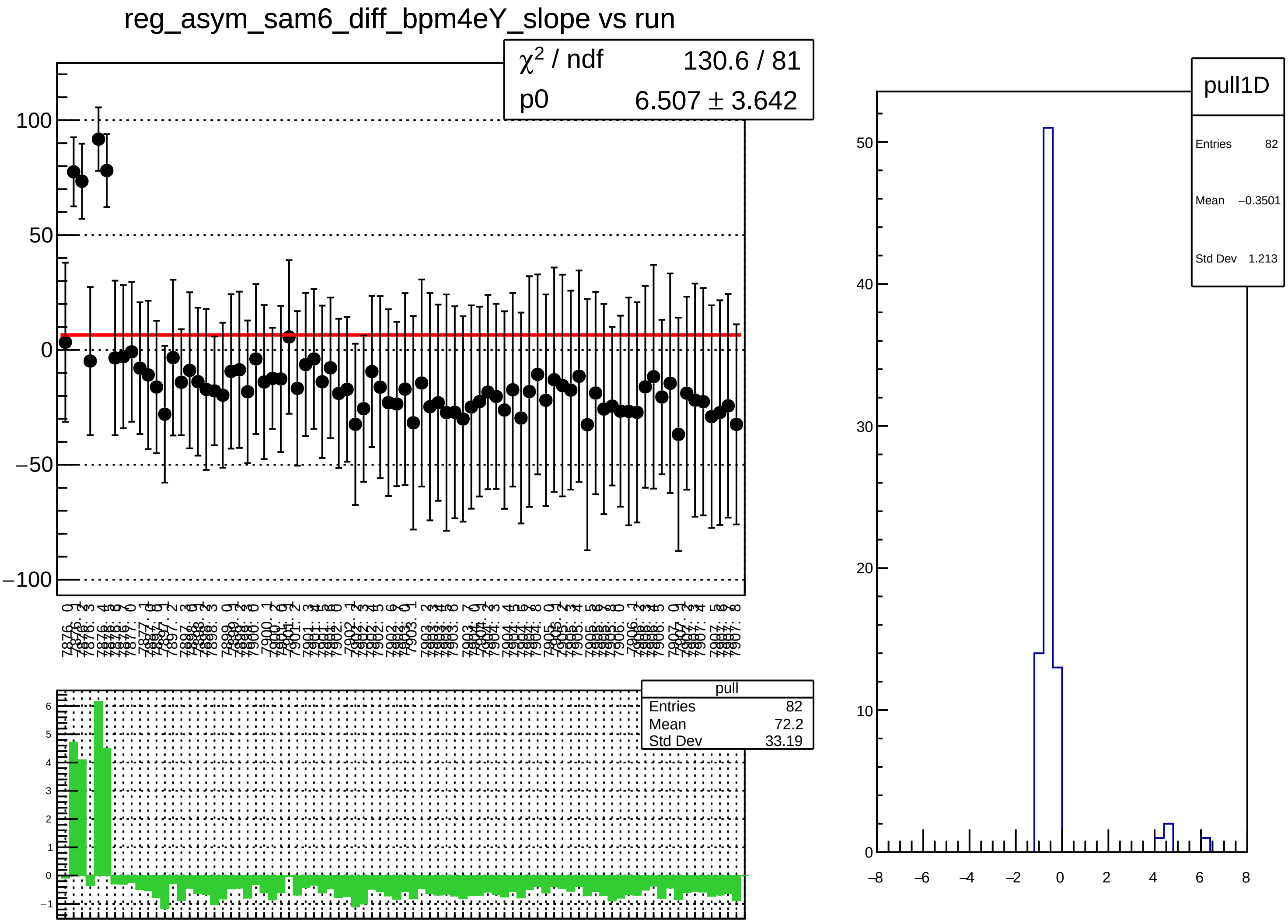
reg_asym_sam6_diff_bpm4aY_slope vs run

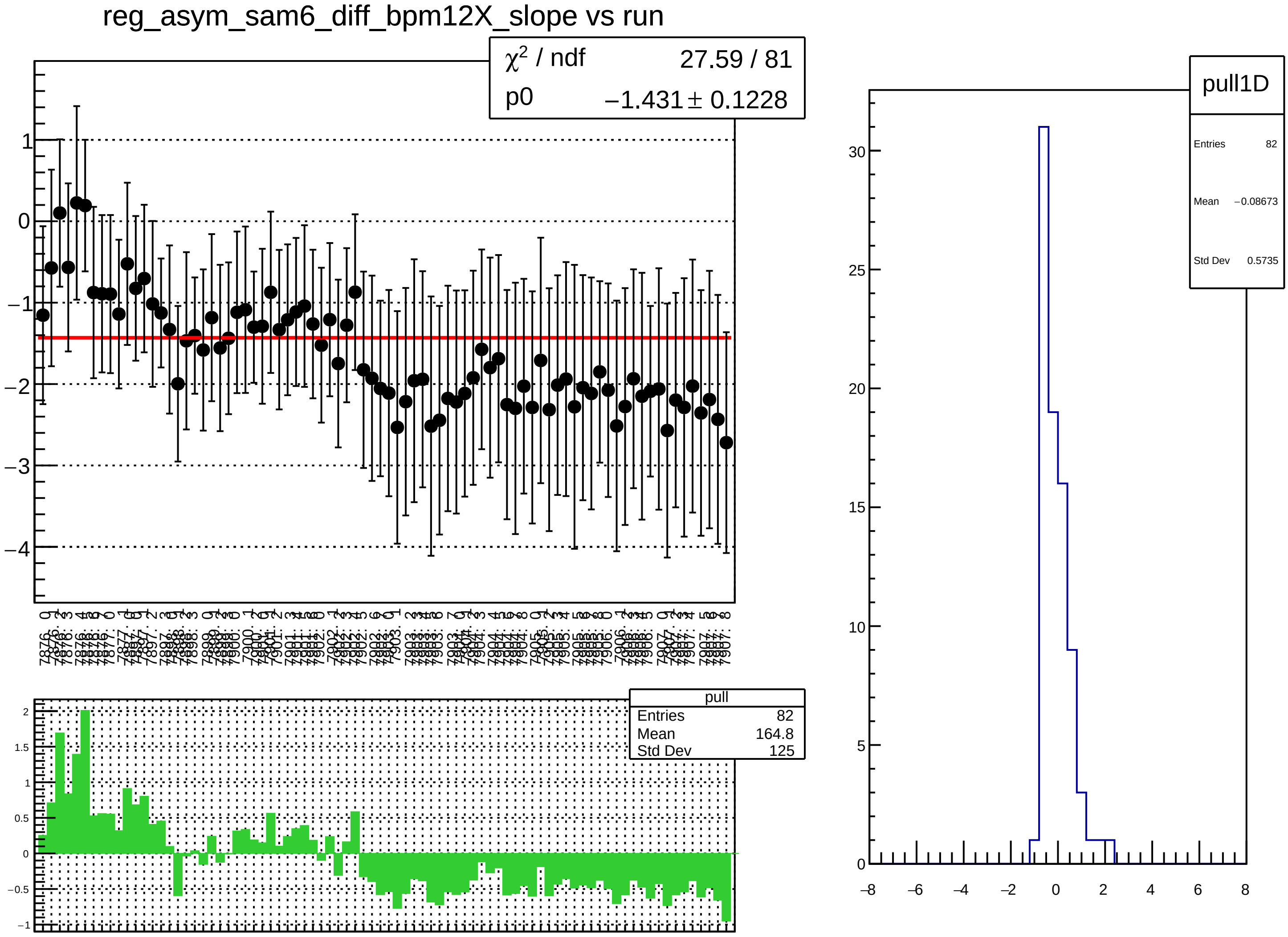


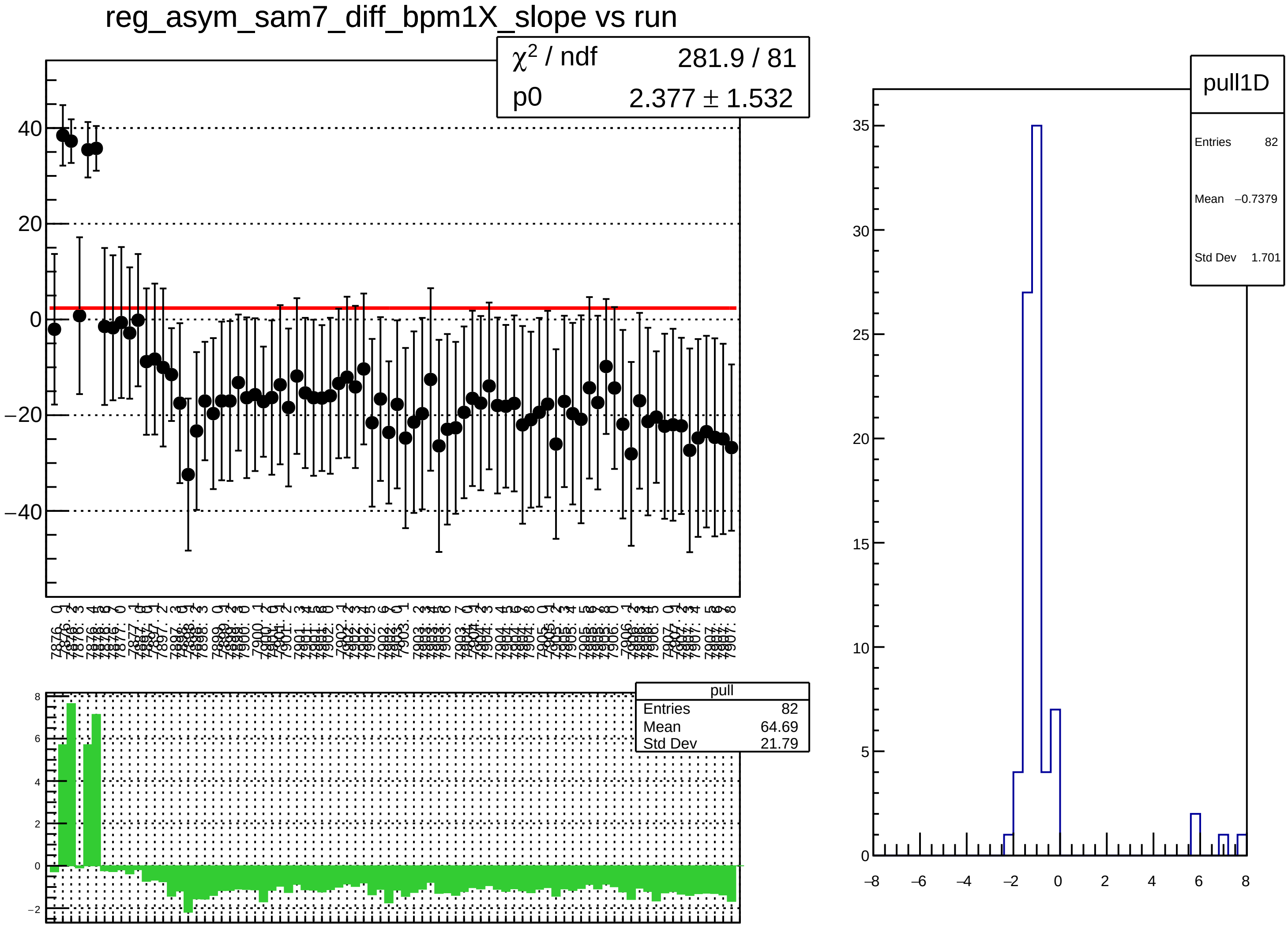




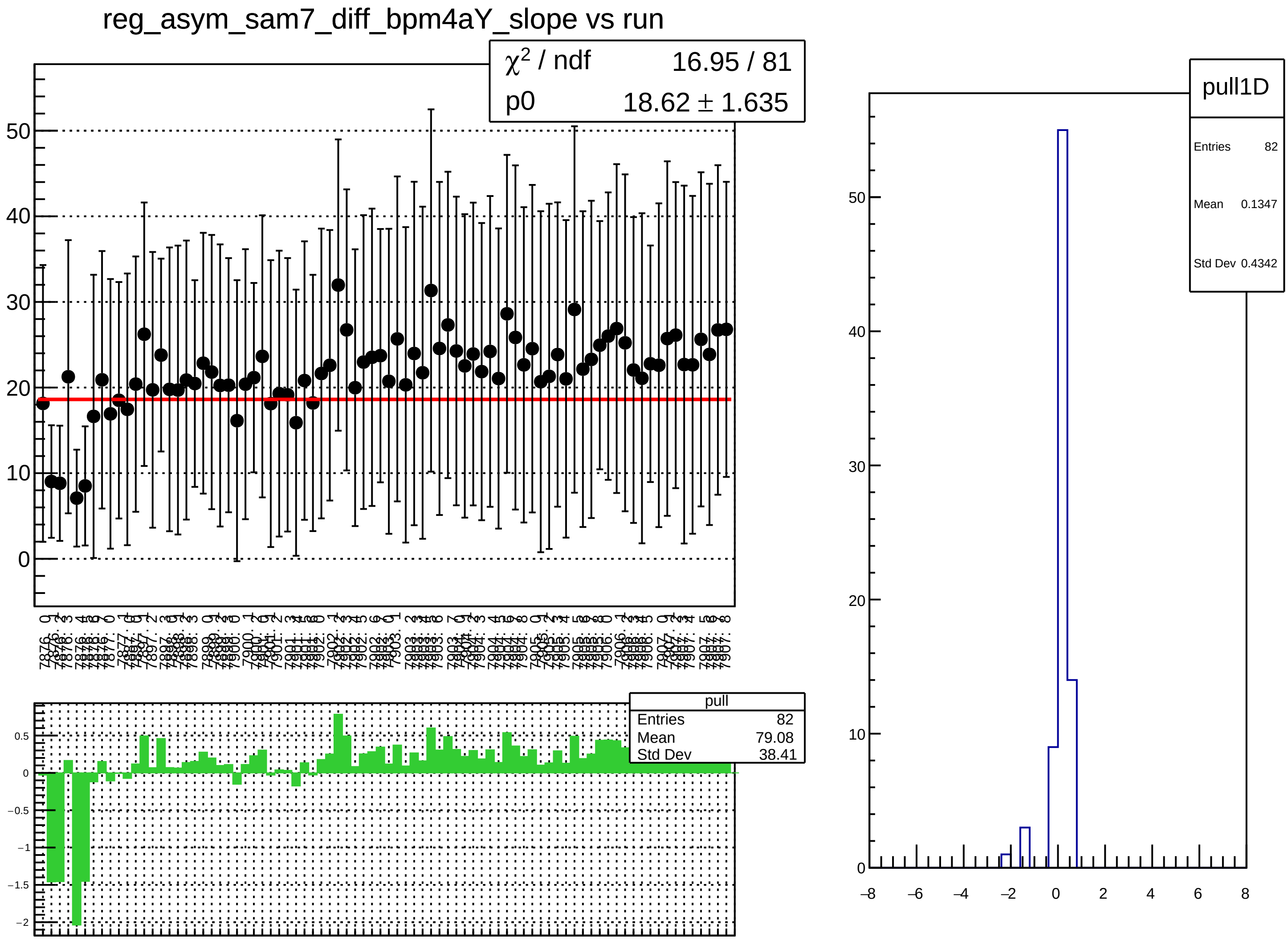
reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 63.97 / 81
p0 71.59 ± 2.173
pull
Entries 82
Mean 68.77
Std Dev 24.58
pull1D
Entries 82
Mean 0.407
Std Dev 0.7839


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

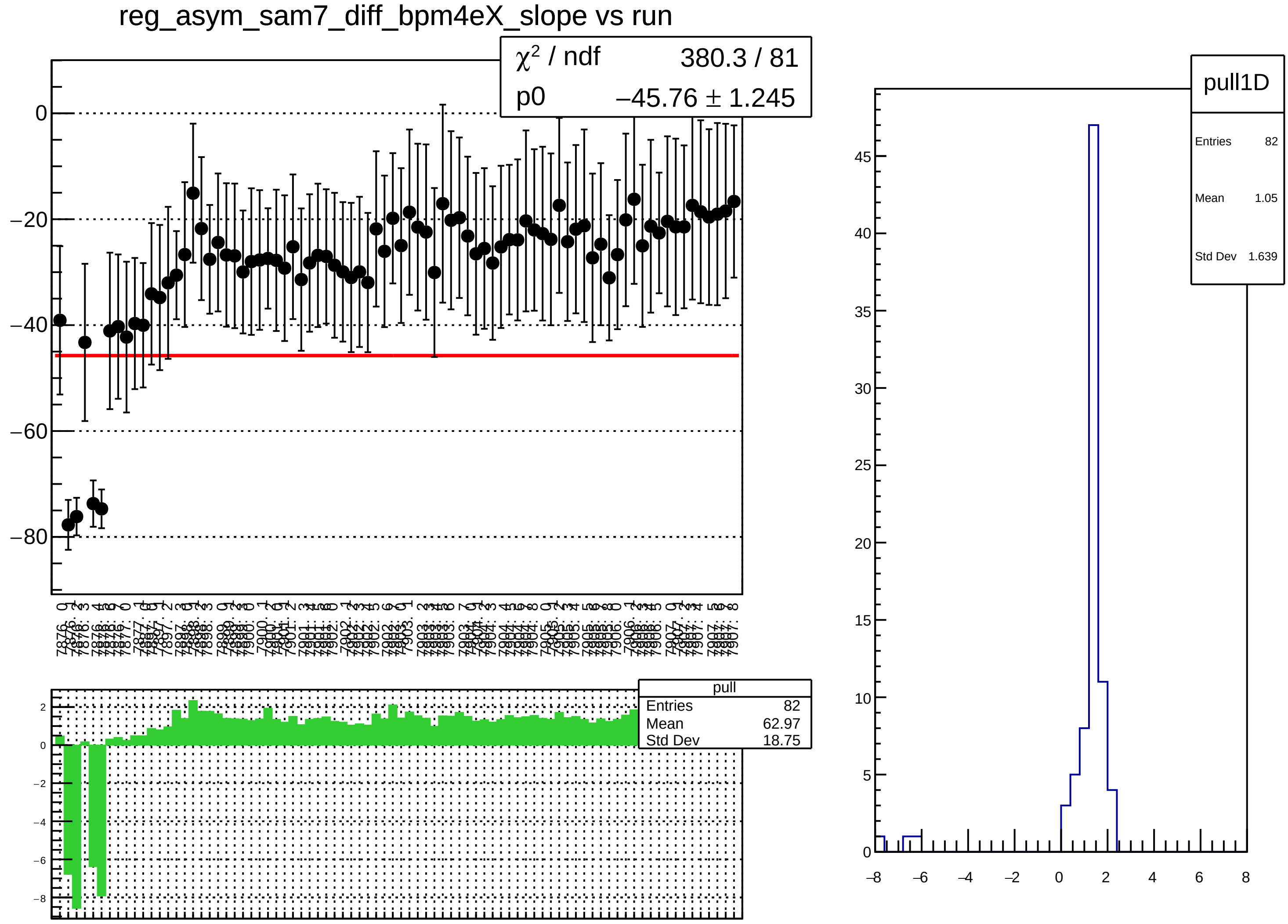

reg_asym_sam6_diff_bpm12X_slope vs run
χ2 / ndf 27.59 / 81
p0 −1.431 ± 0.1228
1
0
−1
−2
−3
−4
pull
Entries 82
Mean 164.8
Std Dev 125
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.08673
Std Dev 0.5735
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



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

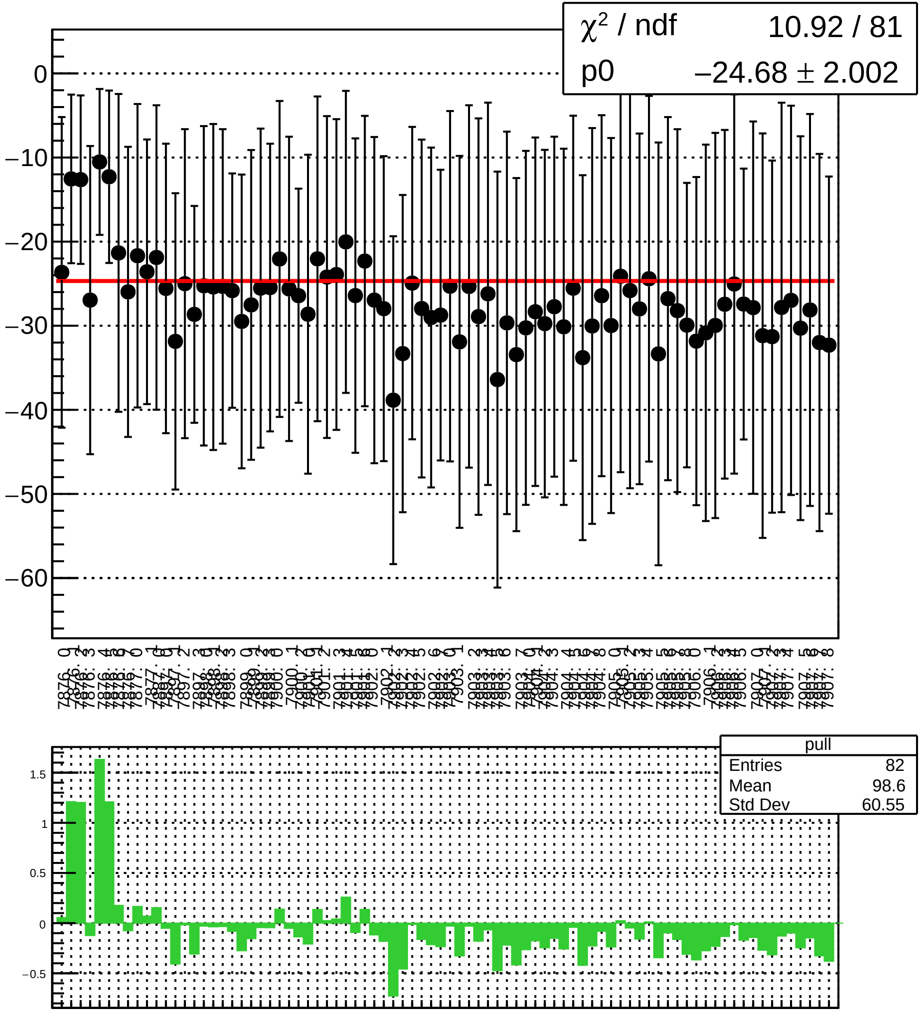


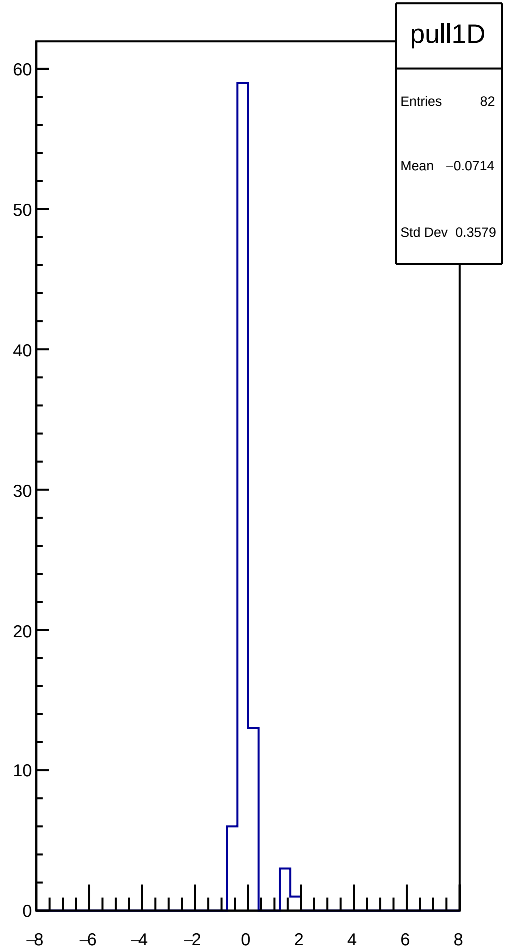
reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 16.95 / 81
p0 18.62 ± 1.635
pull
Entries 82
Mean 79.08
Std Dev 38.41
pull1D
Entries 82
Mean 0.1347
Std Dev 0.4342

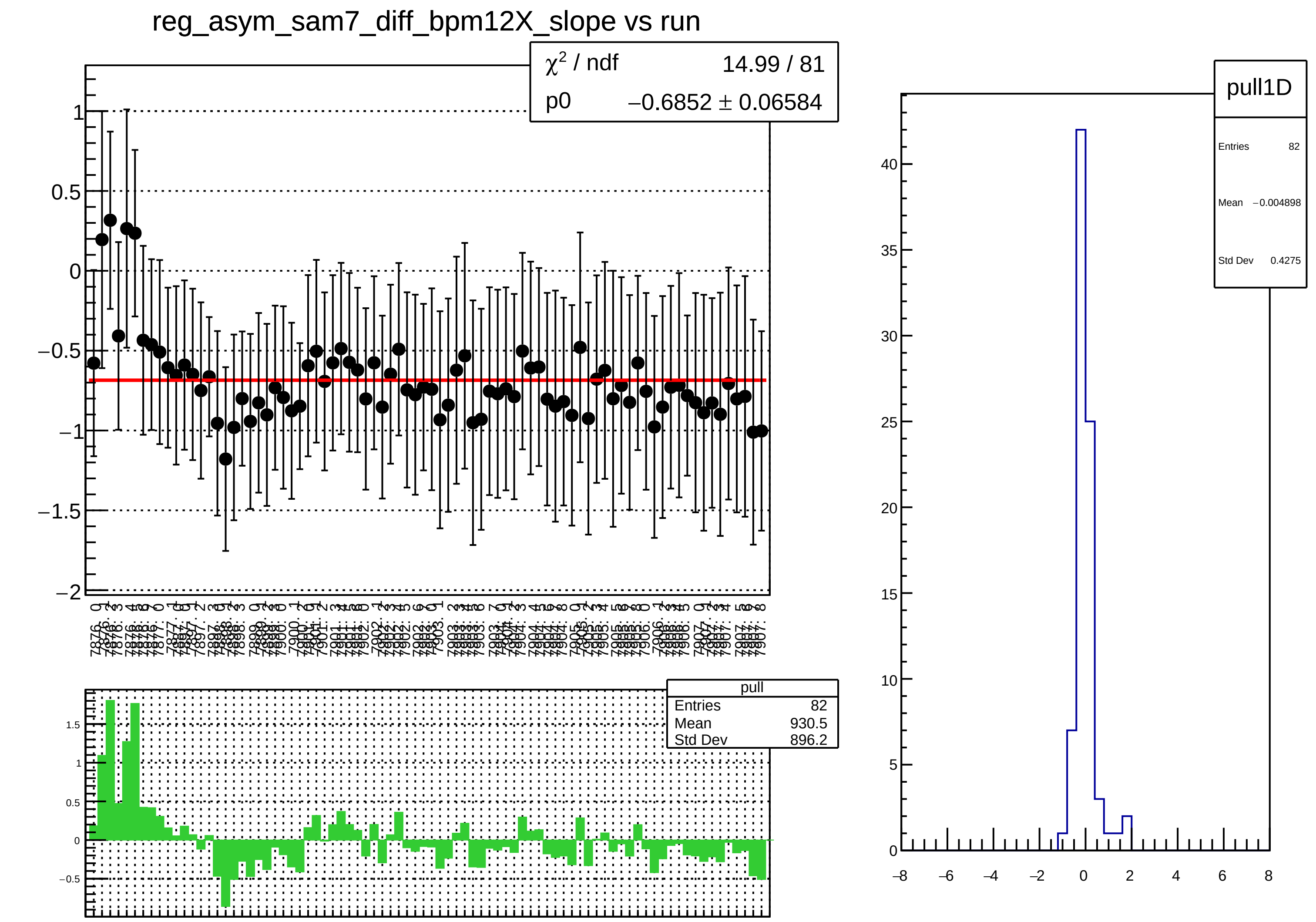


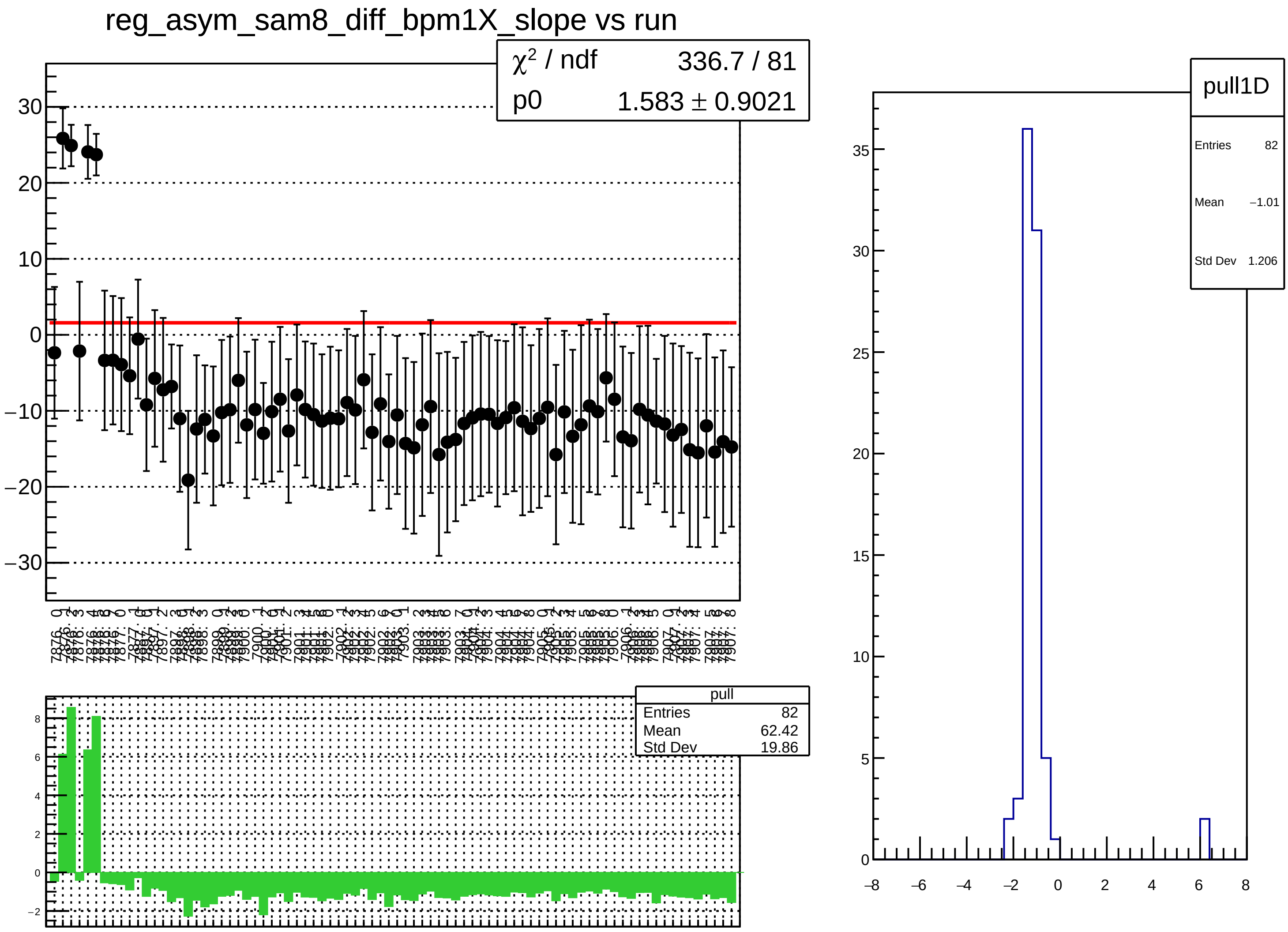
reg_asym_sam7_diff_bpm4eX_slope vs run
χ2 / ndf 380.3 / 81
p0 −45.76 ± 1.245
pull
Entries 82
Mean 62.97
Std Dev 18.75
pull1D
Entries 82
Mean 1.05
Std Dev 1.639

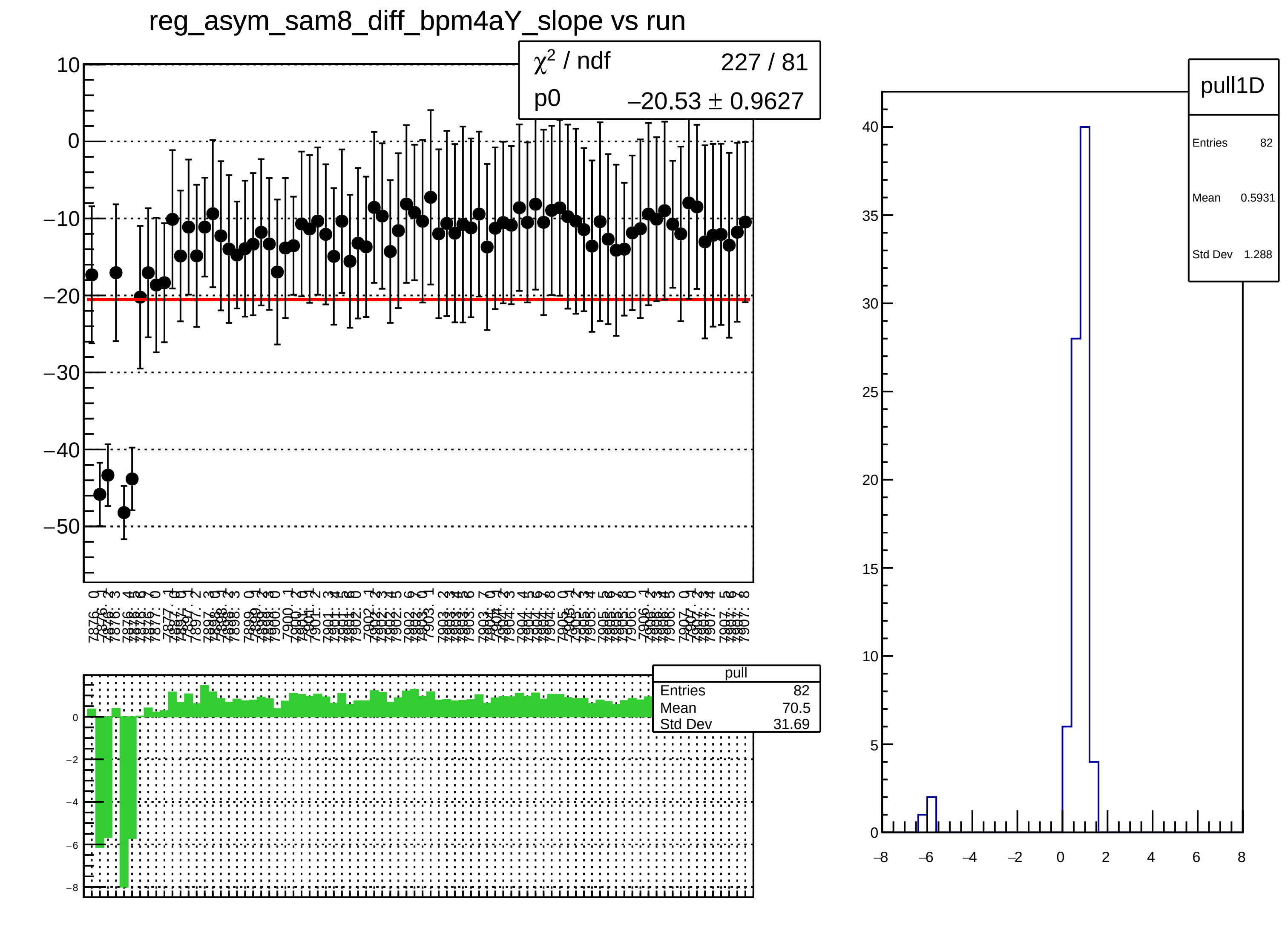
reg_asym_sam7_diff_bpm4eY_slope vs run



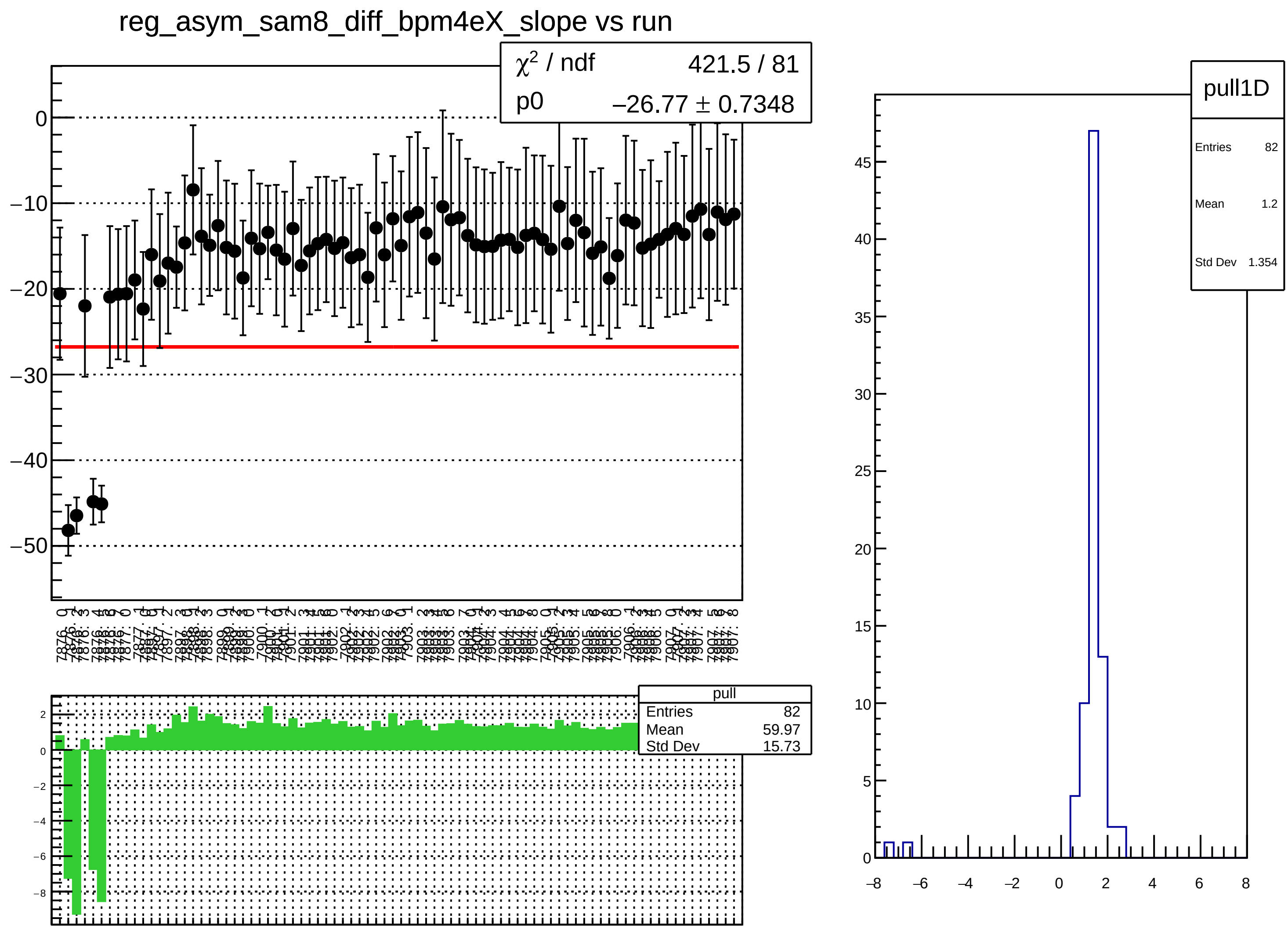



reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 14.99 / 81
p0 −0.6852 ± 0.06584
1
0.5
0
−0.5
−1
−1.5
−2
pull
Entries 82
Mean 930.5
Std Dev 896.2
1.5
1
0.5
0
−0.5
pull1D
Entries 82
Mean −0.004898
Std Dev 0.4275
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

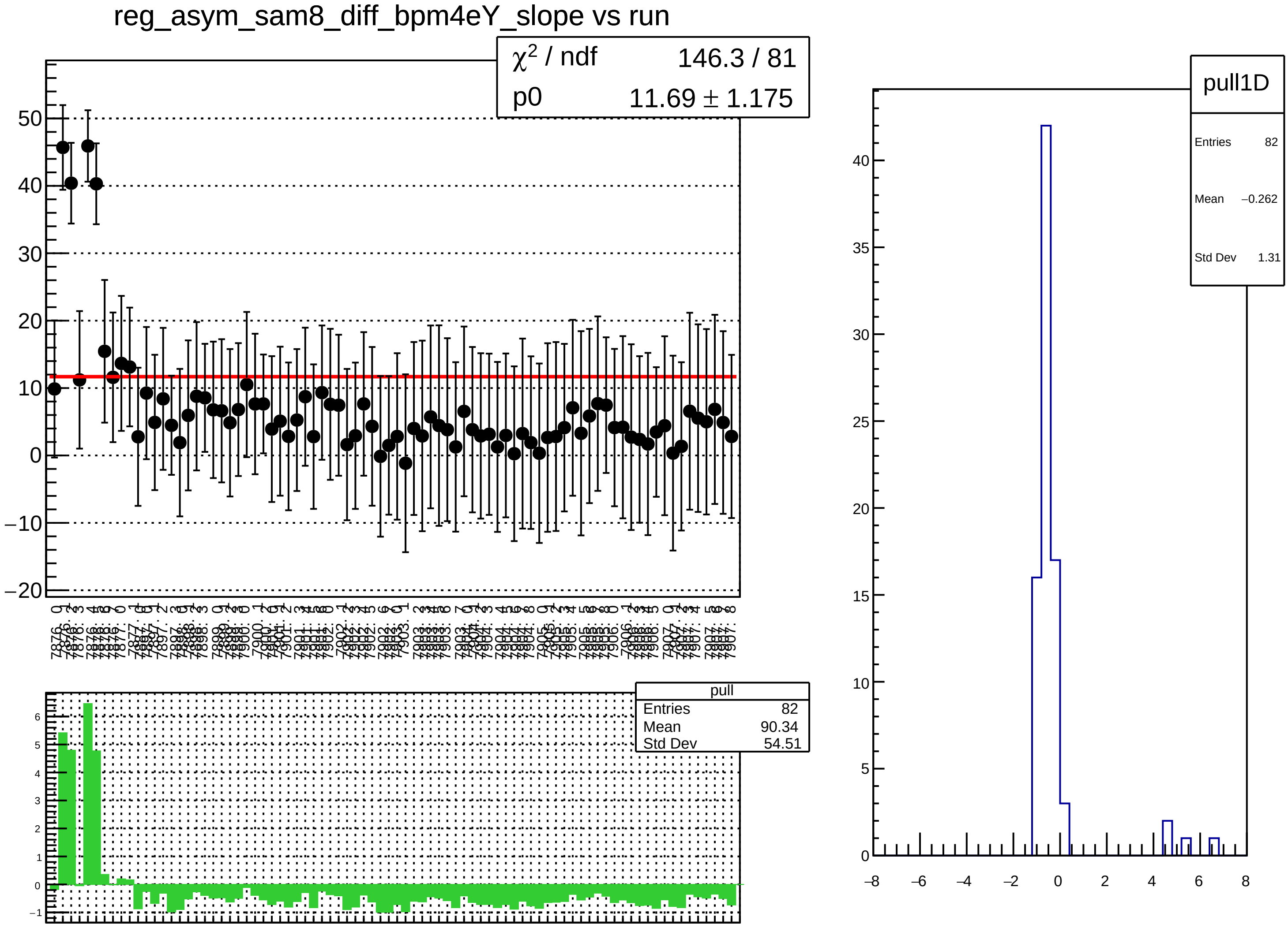

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 336.7 / 81
p0 1.583 ± 0.9021
pull
Entries 82
Mean 62.42
Std Dev 19.86
pull1D
Entries 82
Mean −1.01
Std Dev 1.206



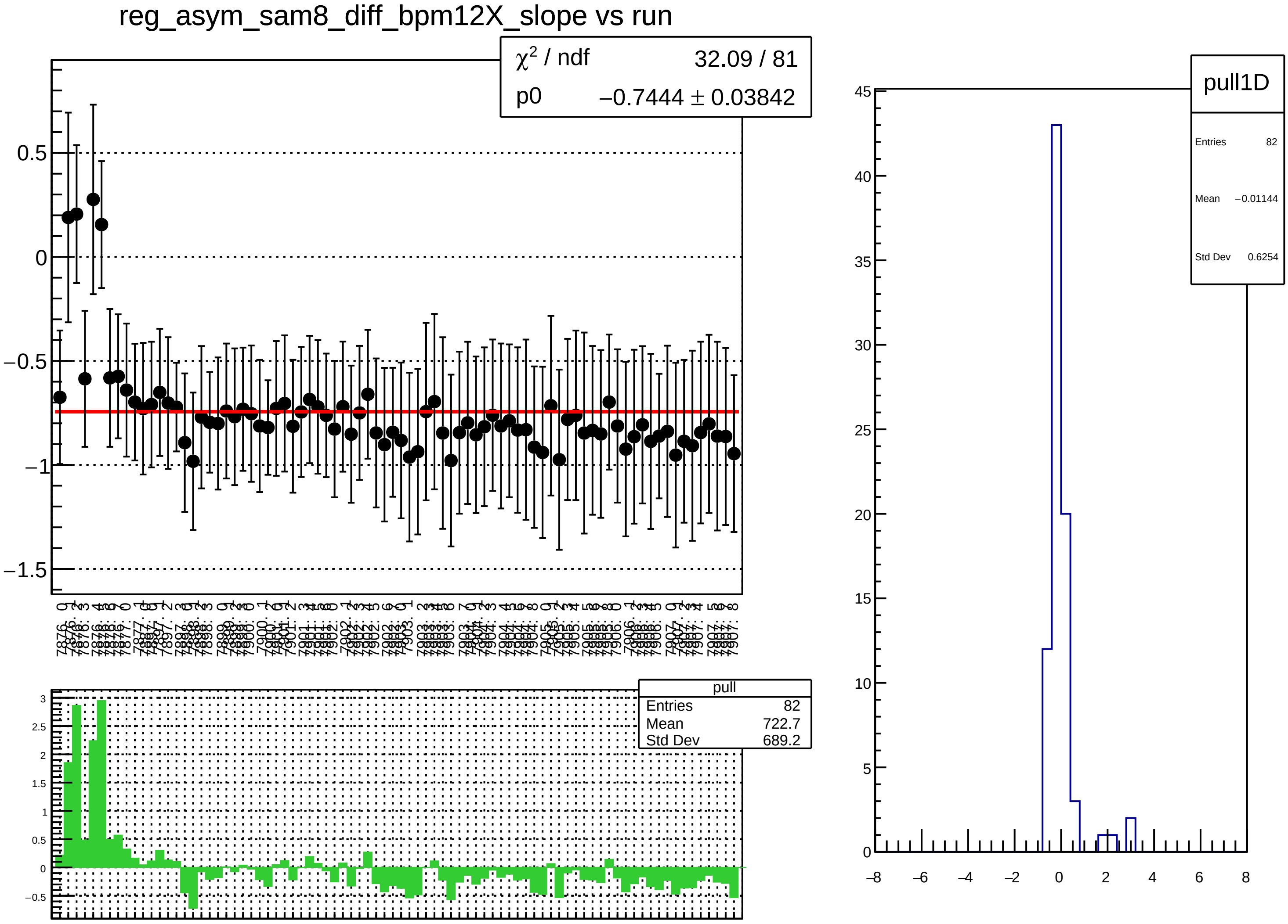
reg_asym_sam8_diff_bpm4aY_slope vs run
χ2 / ndf 227 / 81
p0 −20.53 ± 0.9627
pull
Entries 82
Mean 70.5
Std Dev 31.69
pull1D
Entries 82
Mean 0.5931
Std Dev 1.288

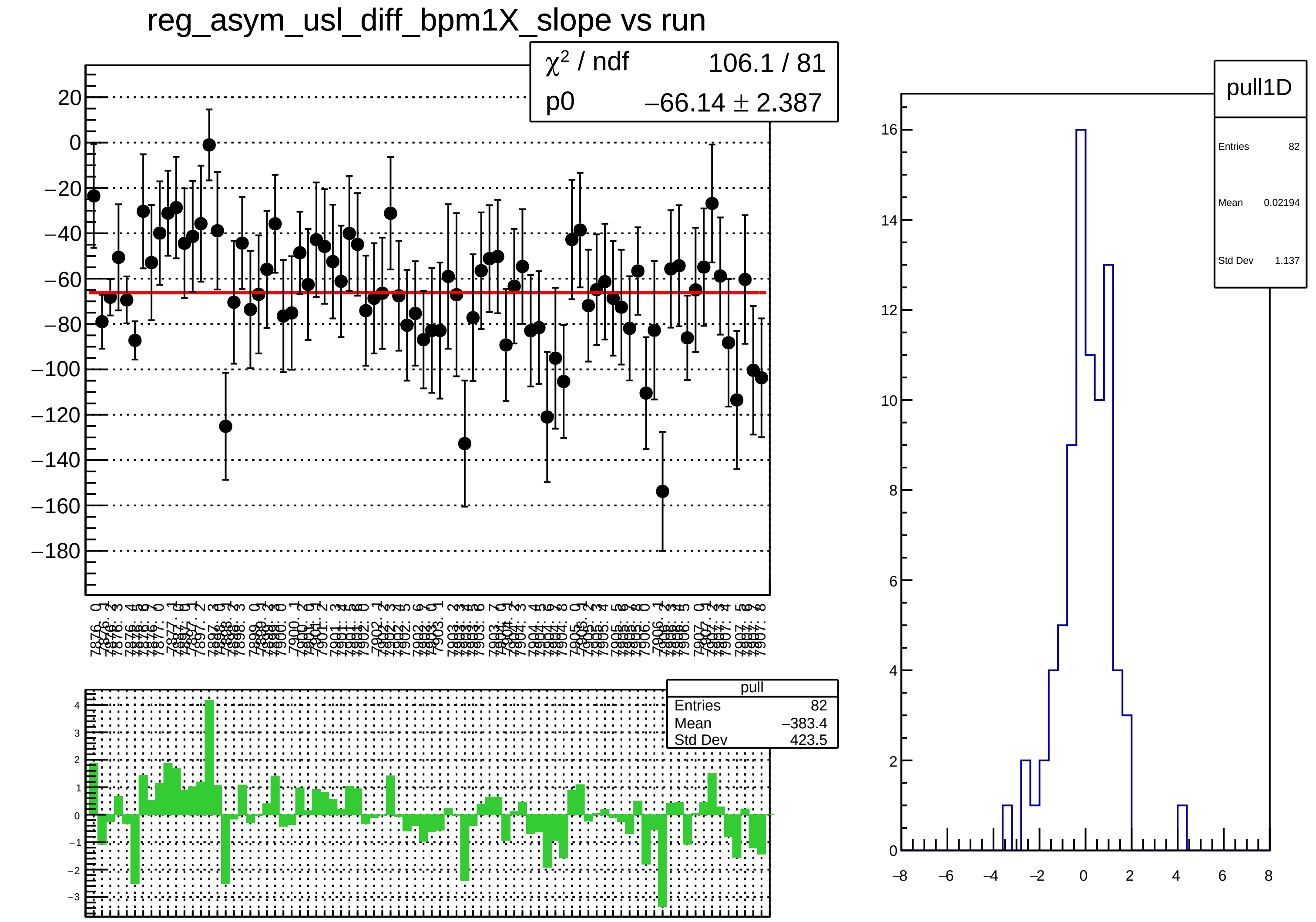


reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 421.5 / 81
p0 −26.77 ± 0.7348
pull
Entries 82
Mean 59.97
Std Dev 15.73
pull1D
Entries 82
Mean 1.2
Std Dev 1.354



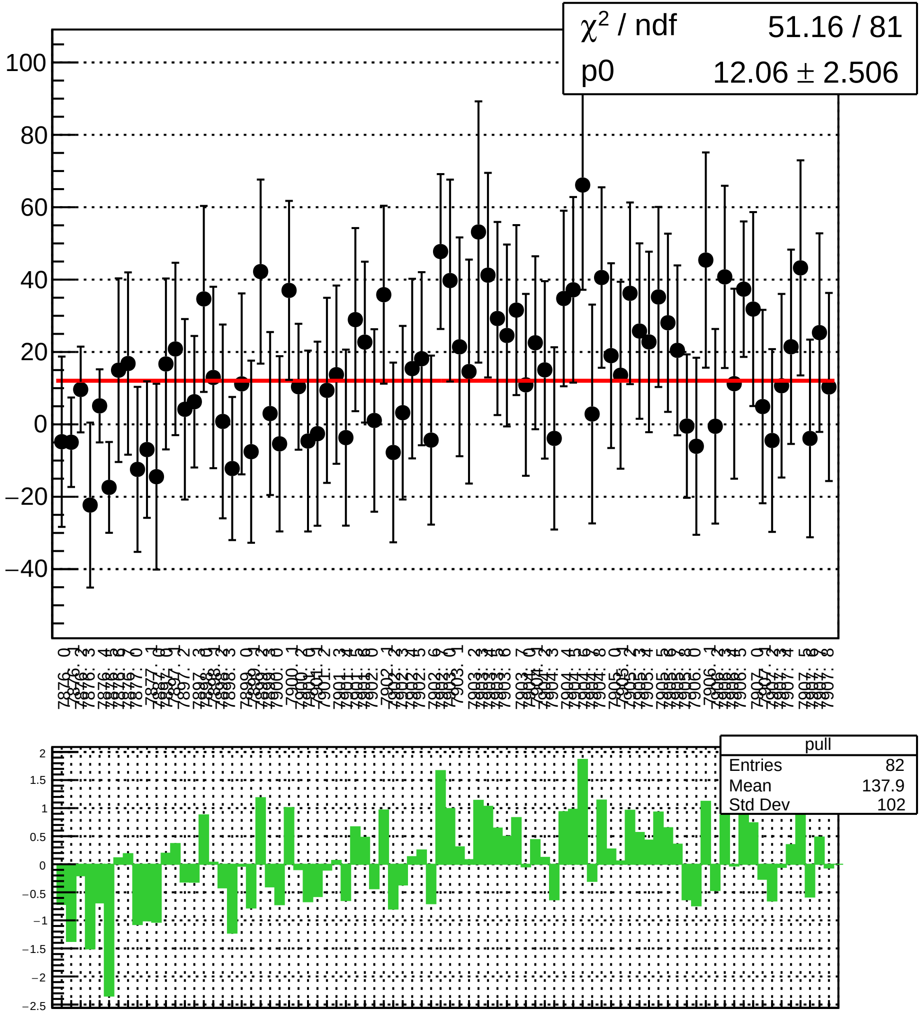
reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 146.3 / 81
p0 11.69 ± 1.175
pull
Entries 82
Mean 90.34
Std Dev 54.51
pull1D
Entries 82
Mean −0.262
Std Dev 1.31

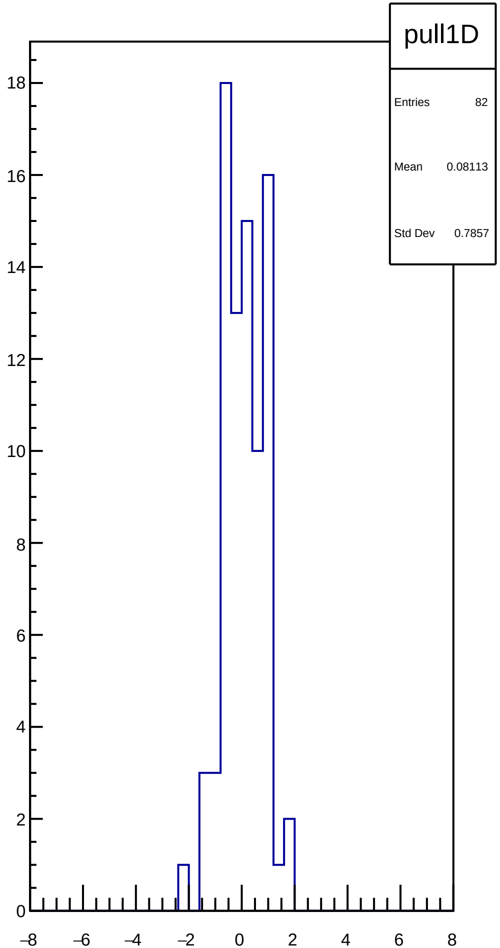

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 32.09 / 81
p0 −0.7444 ± 0.03842
pull
Entries 82
Mean 722.7
Std Dev 689.2
pull1D
Entries 82
Mean −0.01144
Std Dev 0.6254

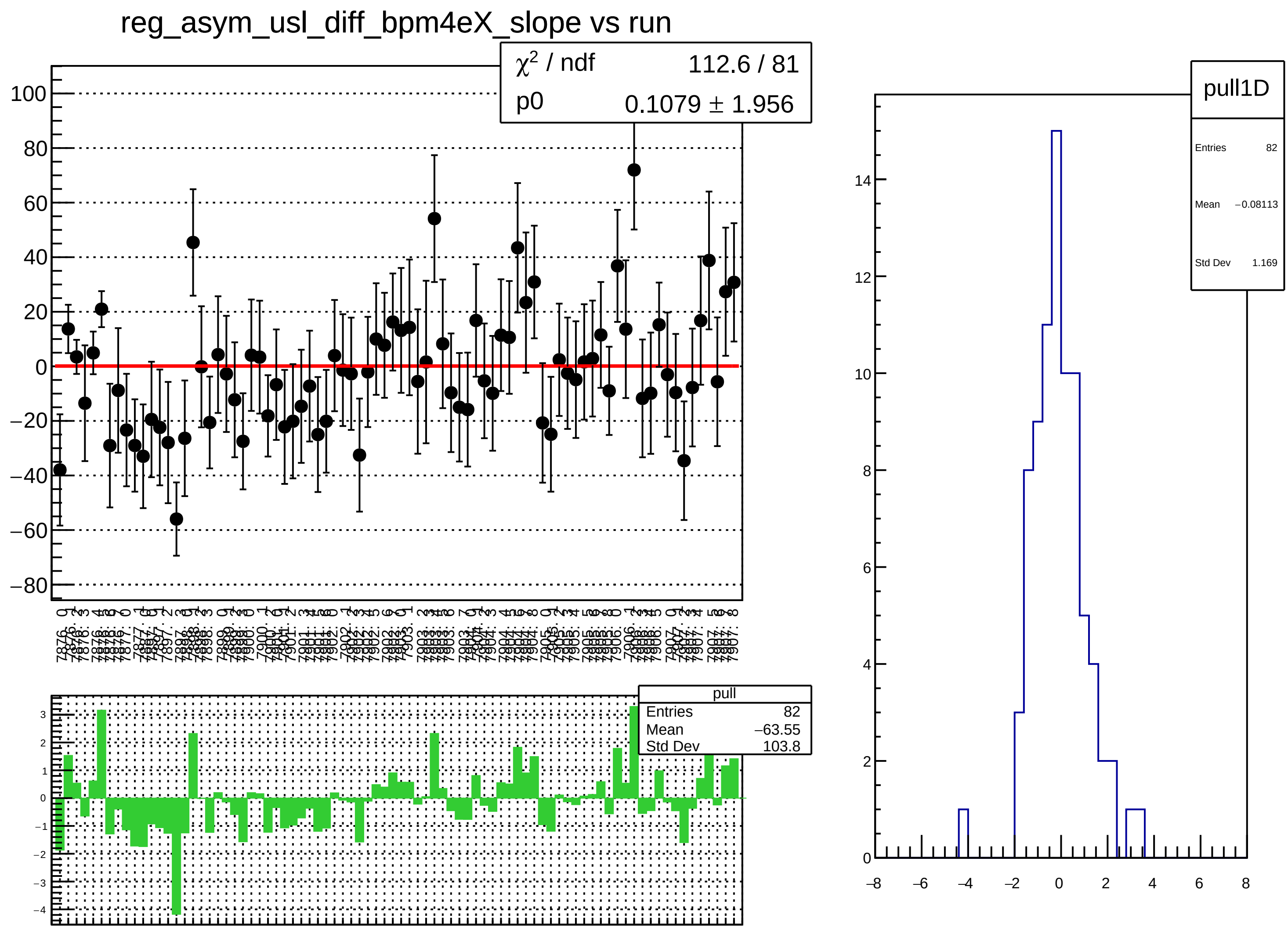


reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 106.1 / 81
p0 −66.14 ± 2.387
pull
Entries 82
Mean −383.4
Std Dev 423.5
pull1D
Entries 82
Mean 0.02194
Std Dev 1.137

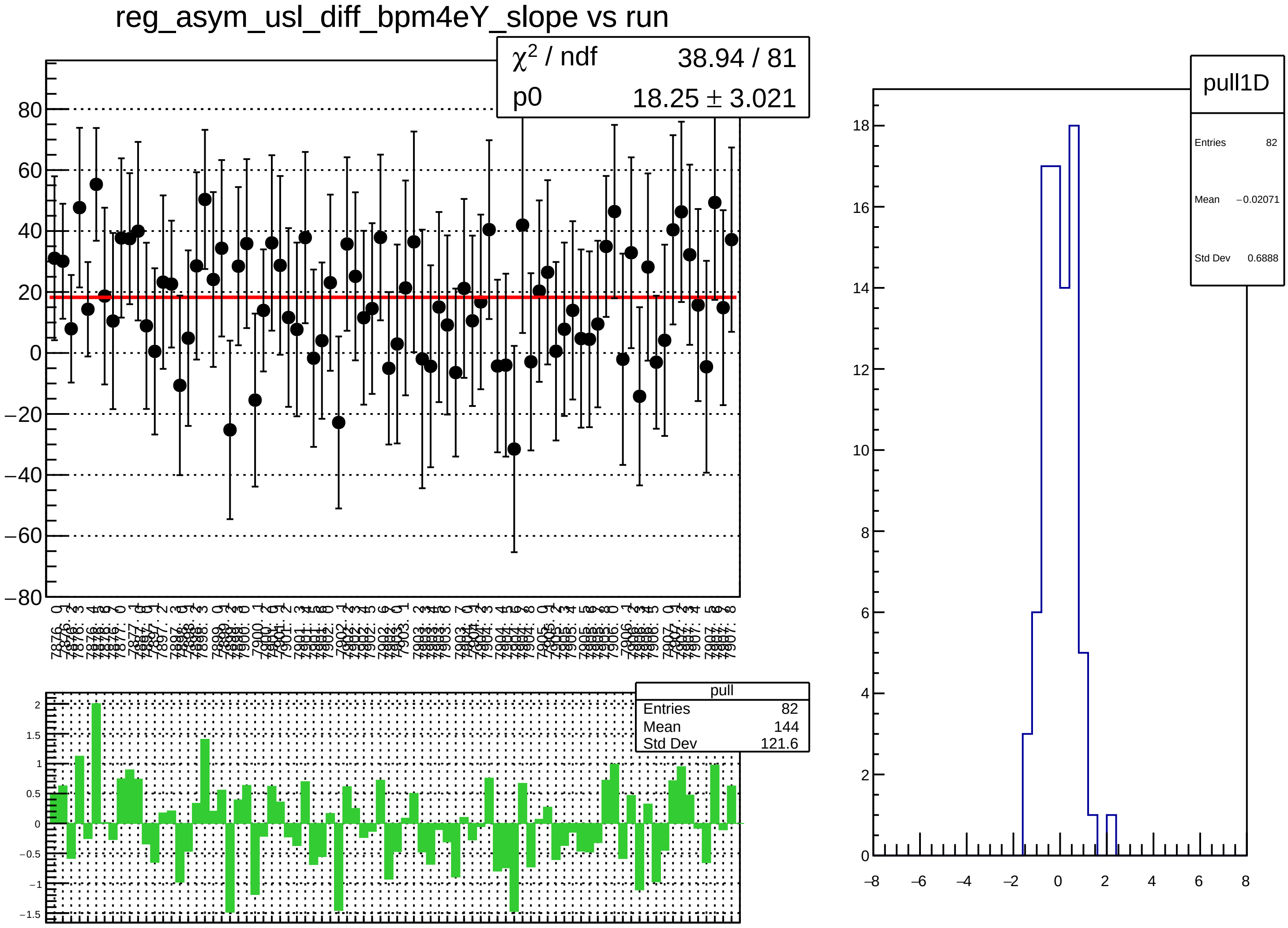
reg_asym_usl_diff_bpm4aY_slope vs run



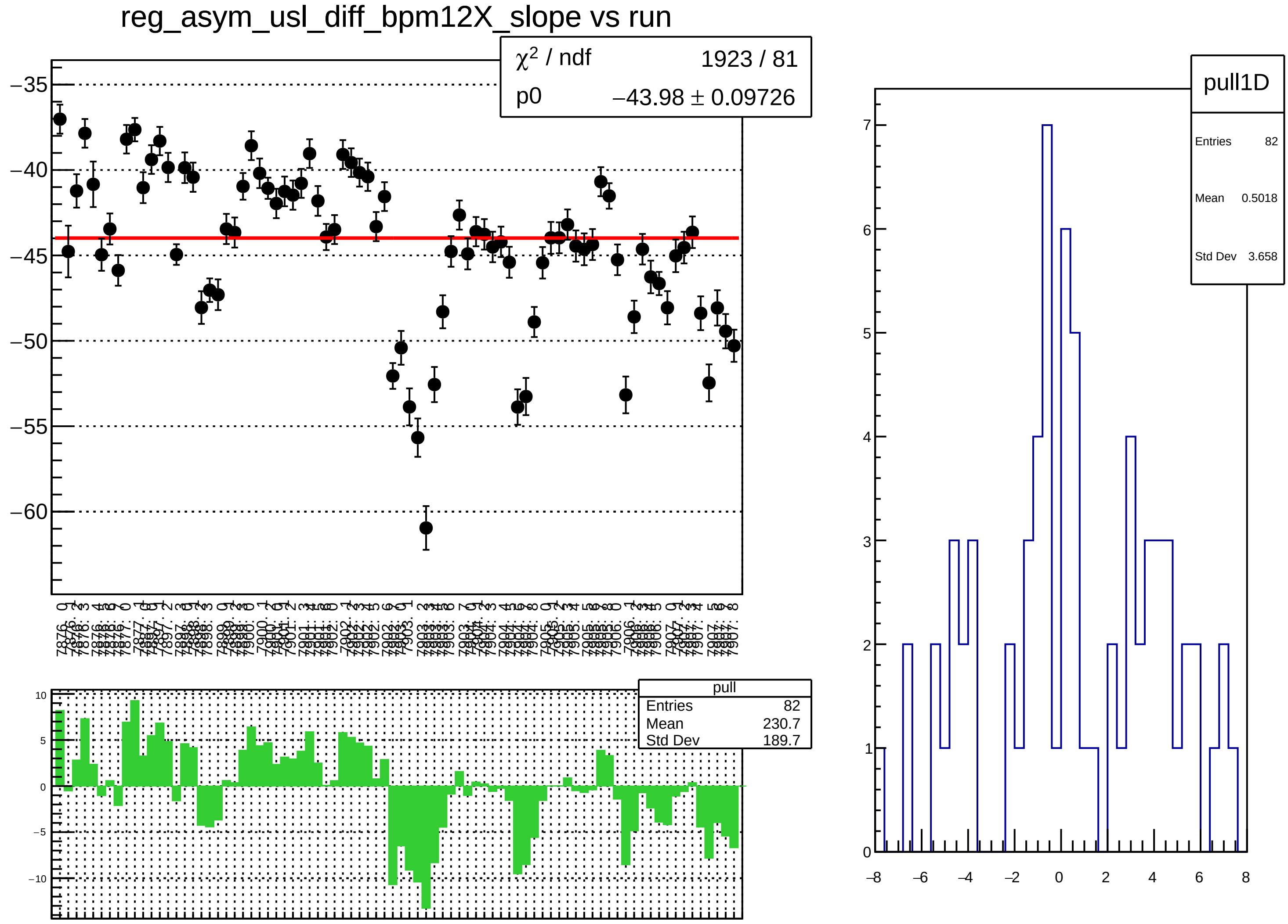


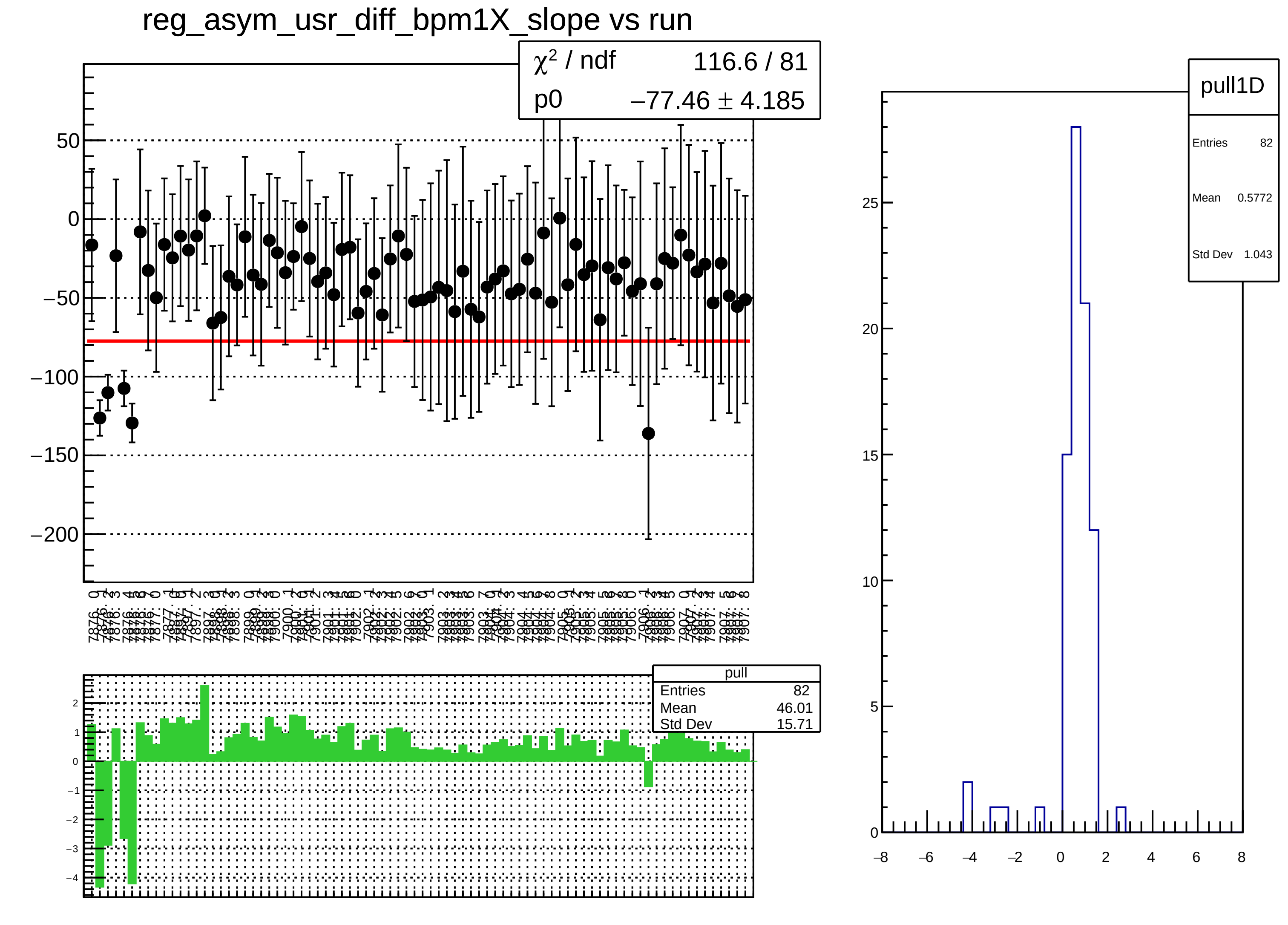


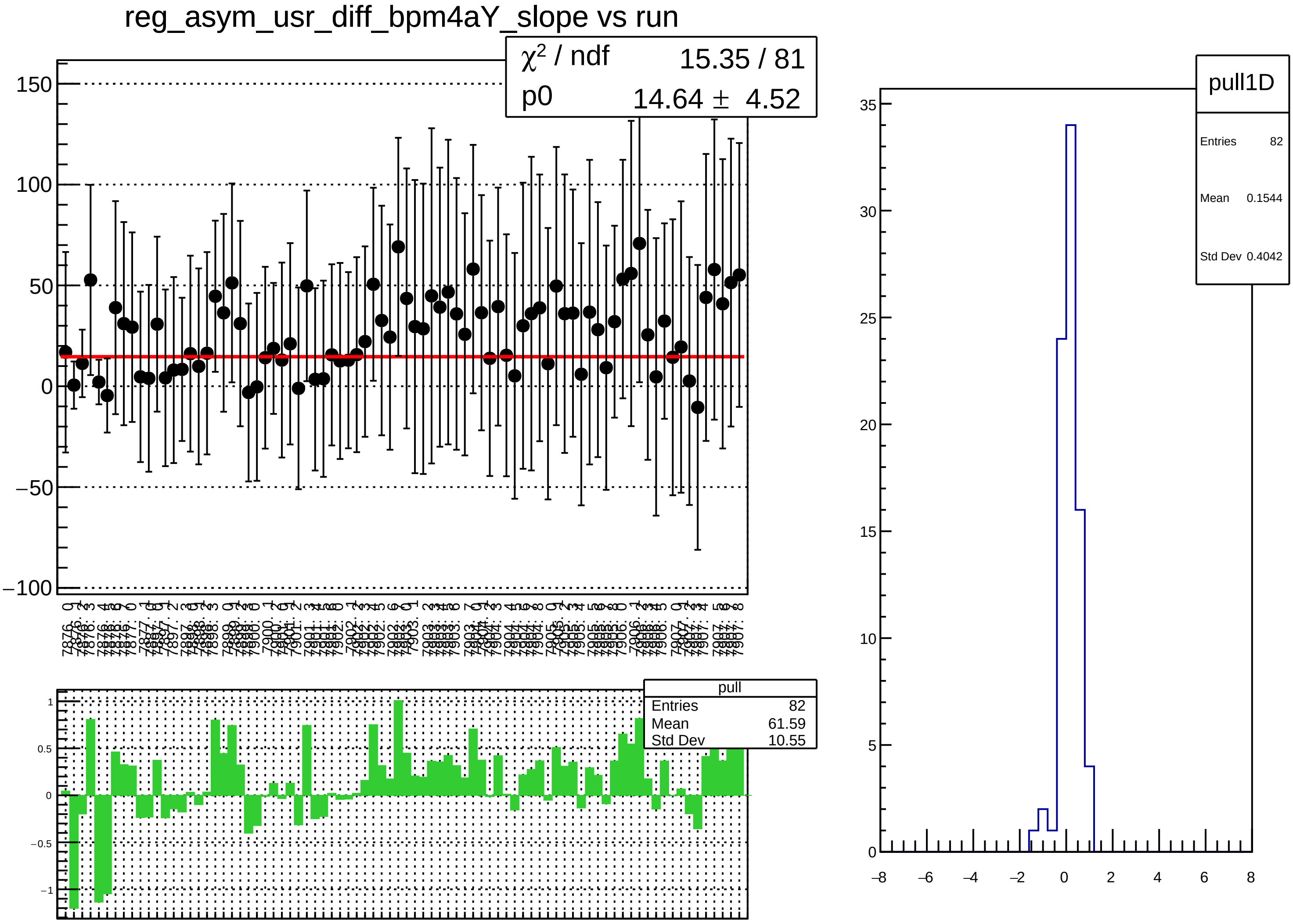
reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 112.6 / 81
p0 0.1079 ± 1.956
pull
Entries 82
Mean −63.55
Std Dev 103.8
pull1D
Entries 82
Mean −0.08113
Std Dev 1.169



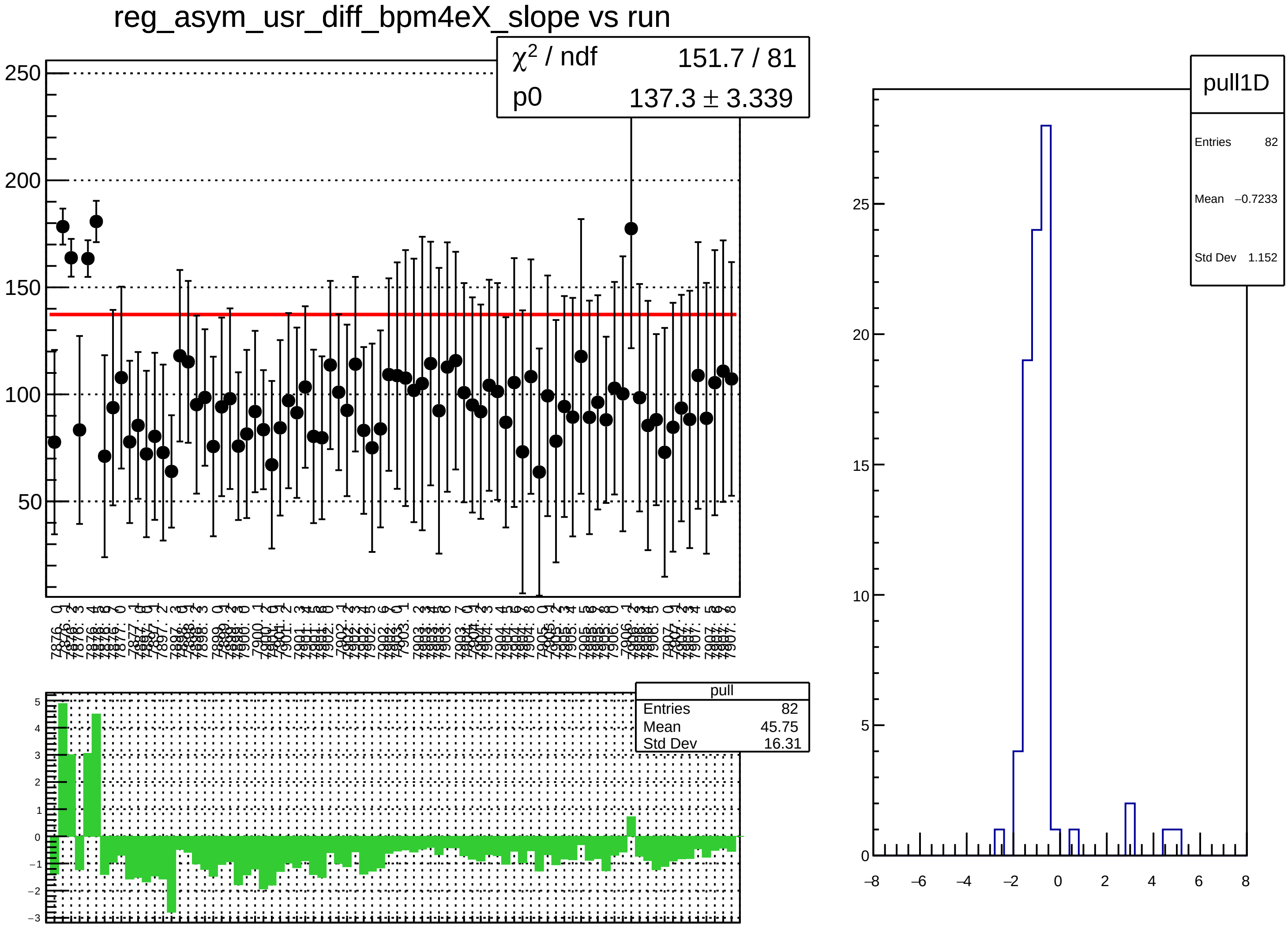
reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 38.94 / 81
p0 18.25 ± 3.021
pull
Entries 82
Mean 144
Std Dev 121.6
pull1D
Entries 82
Mean −0.02071
Std Dev 0.6888


reg_asym_usl_diff_bpm12X_slope vs run
χ2 / 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

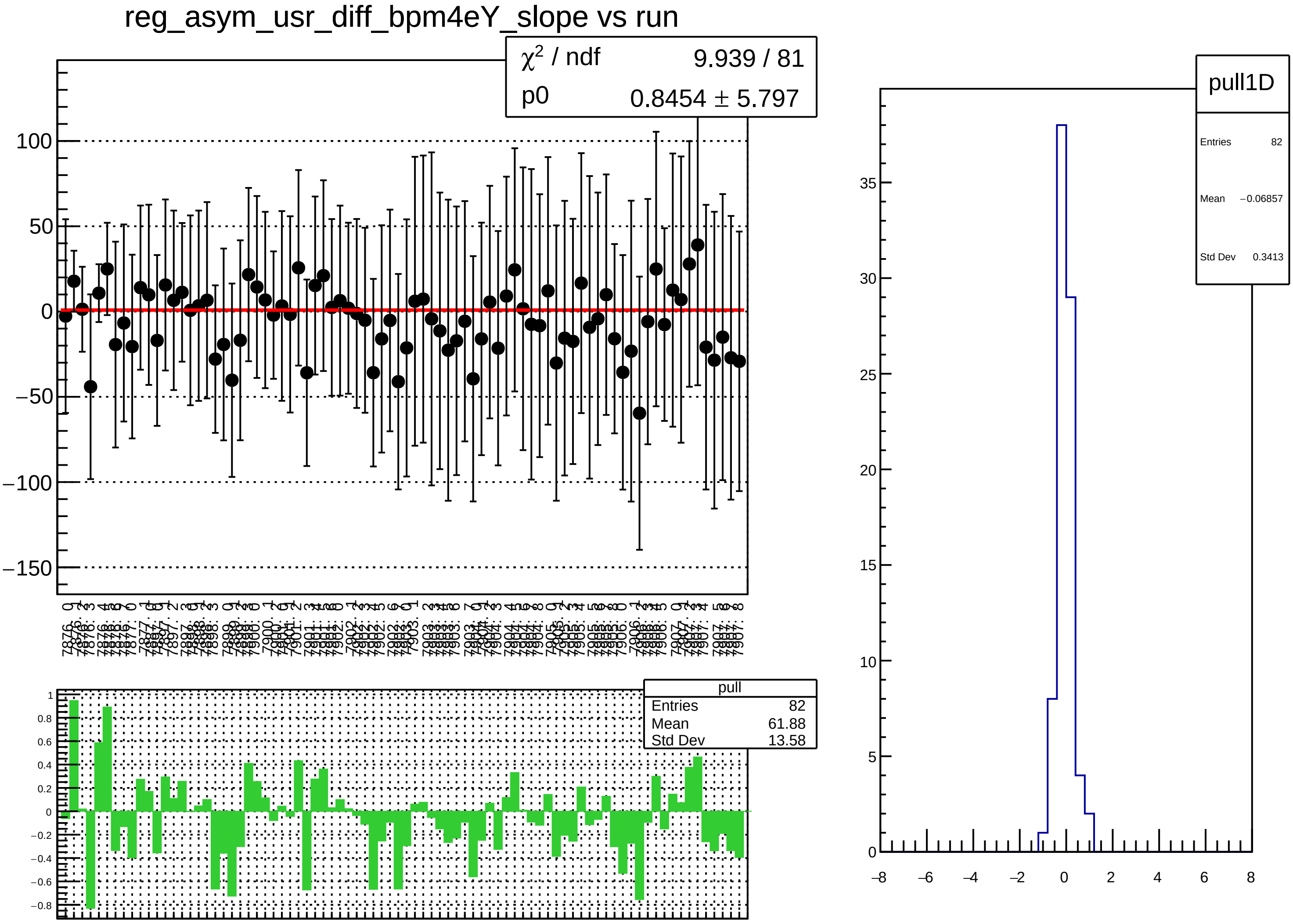

reg_asym_usr_diff_bpm1X_slope vs run
χ2 / ndf 116.6 / 81
p0 −77.46 ± 4.185
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 46.01
Std Dev 15.71
pull1D
Entries 82
Mean 0.5772
Std Dev 1.043



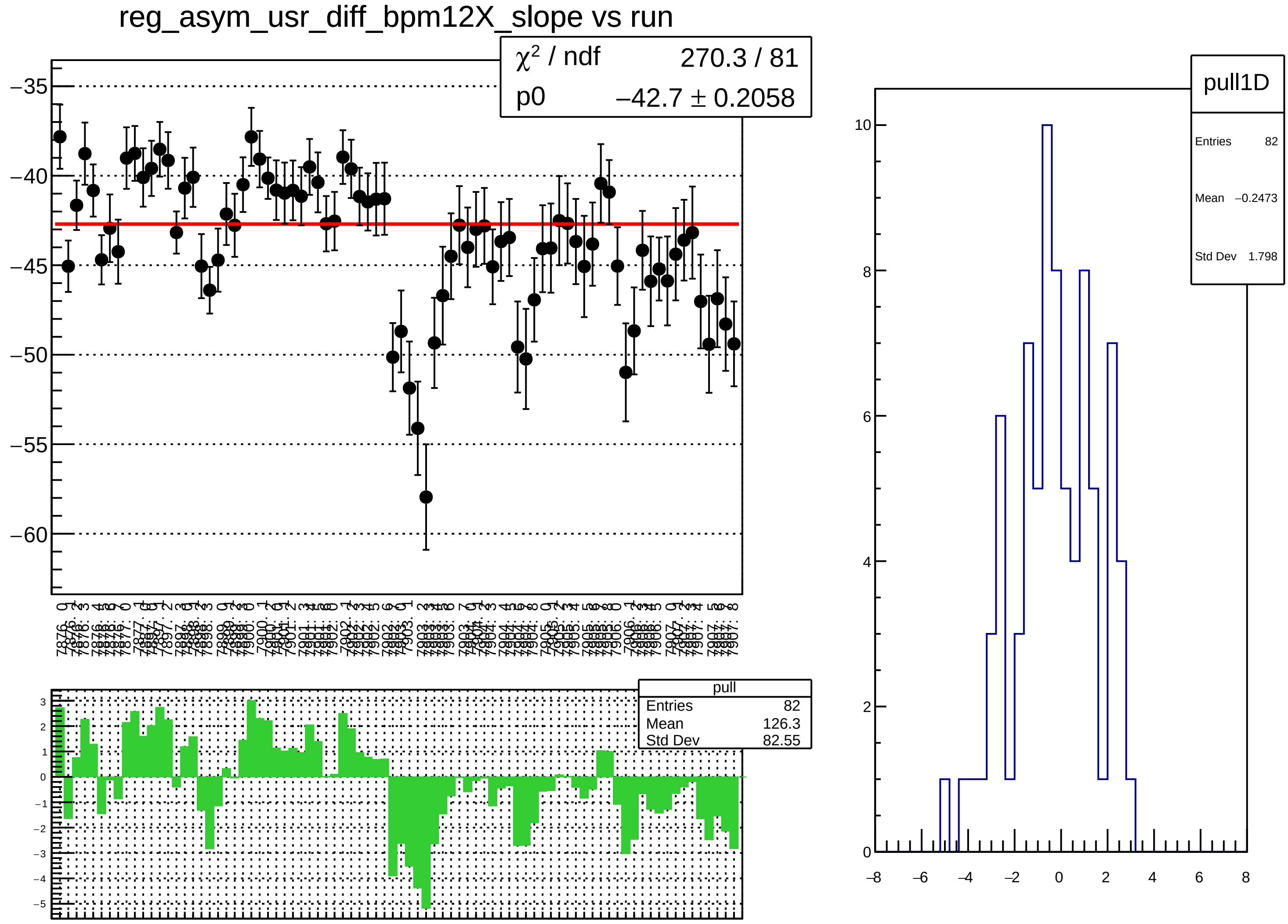
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 15.35 / 81
p0 14.64 ± 4.52
pull
Entries 82
Mean 61.59
Std Dev 10.55
pull1D
Entries 82
Mean 0.1544
Std Dev 0.4042



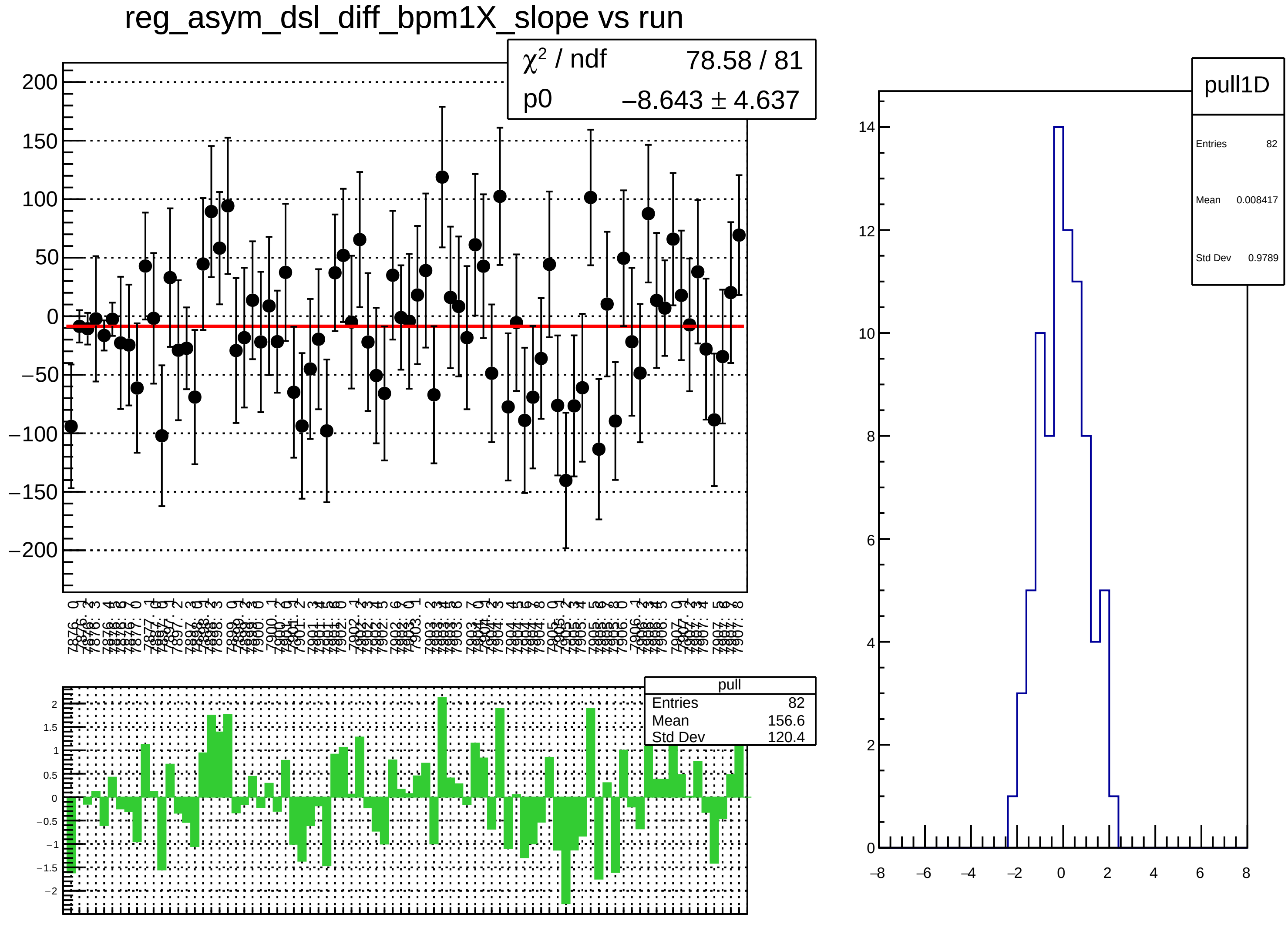
reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 151.7 / 81
p0 137.3 ± 3.339
pull
Entries 82
Mean 45.75
Std Dev 16.31
pull1D
Entries 82
Mean −0.7233
Std Dev 1.152

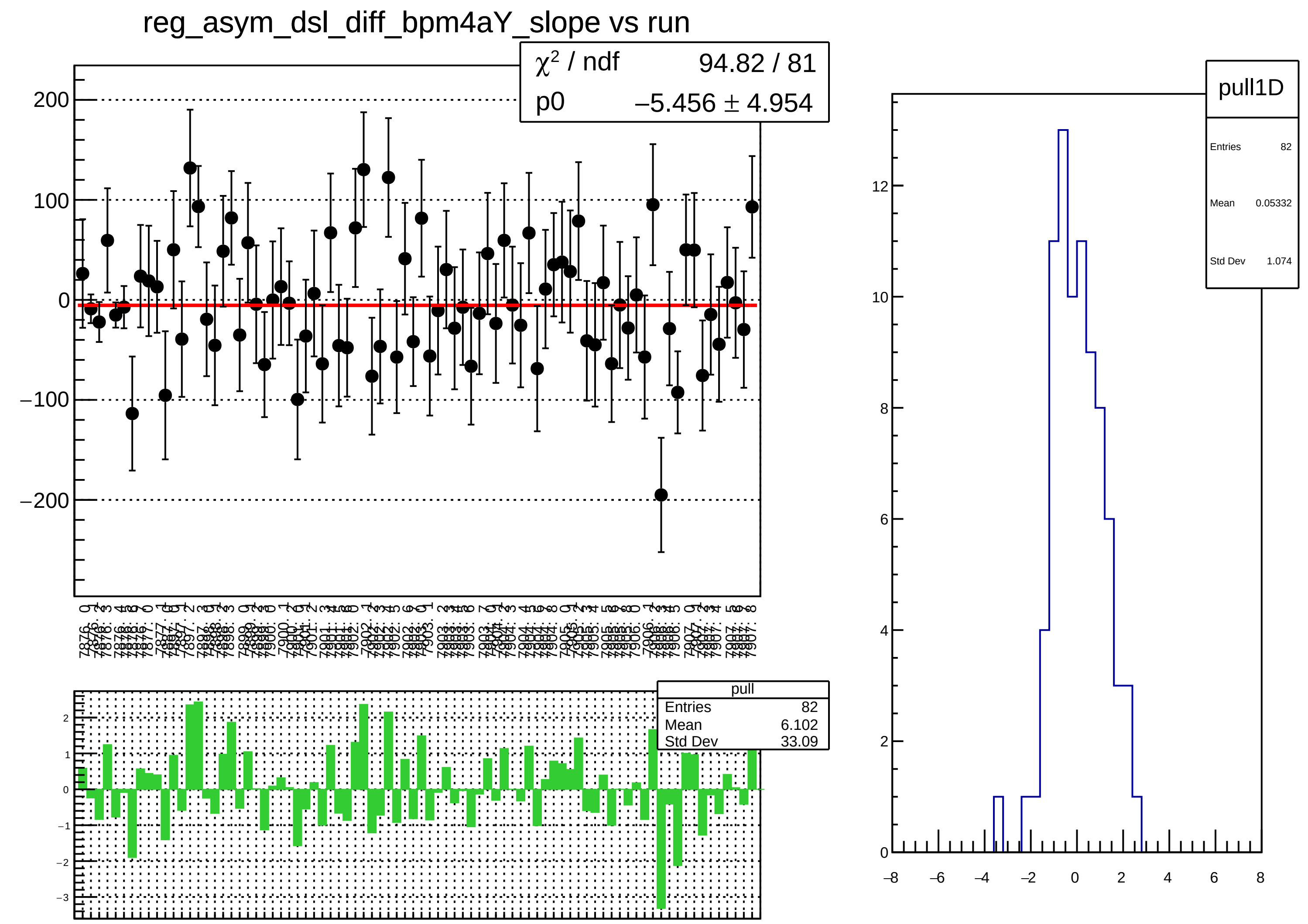


reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 9.939 / 81
p0 0.8454 ± 5.797
pull
Entries 82
Mean 61.88
Std Dev 13.58
pull1D
Entries 82
Mean −0.06857
Std Dev 0.3413

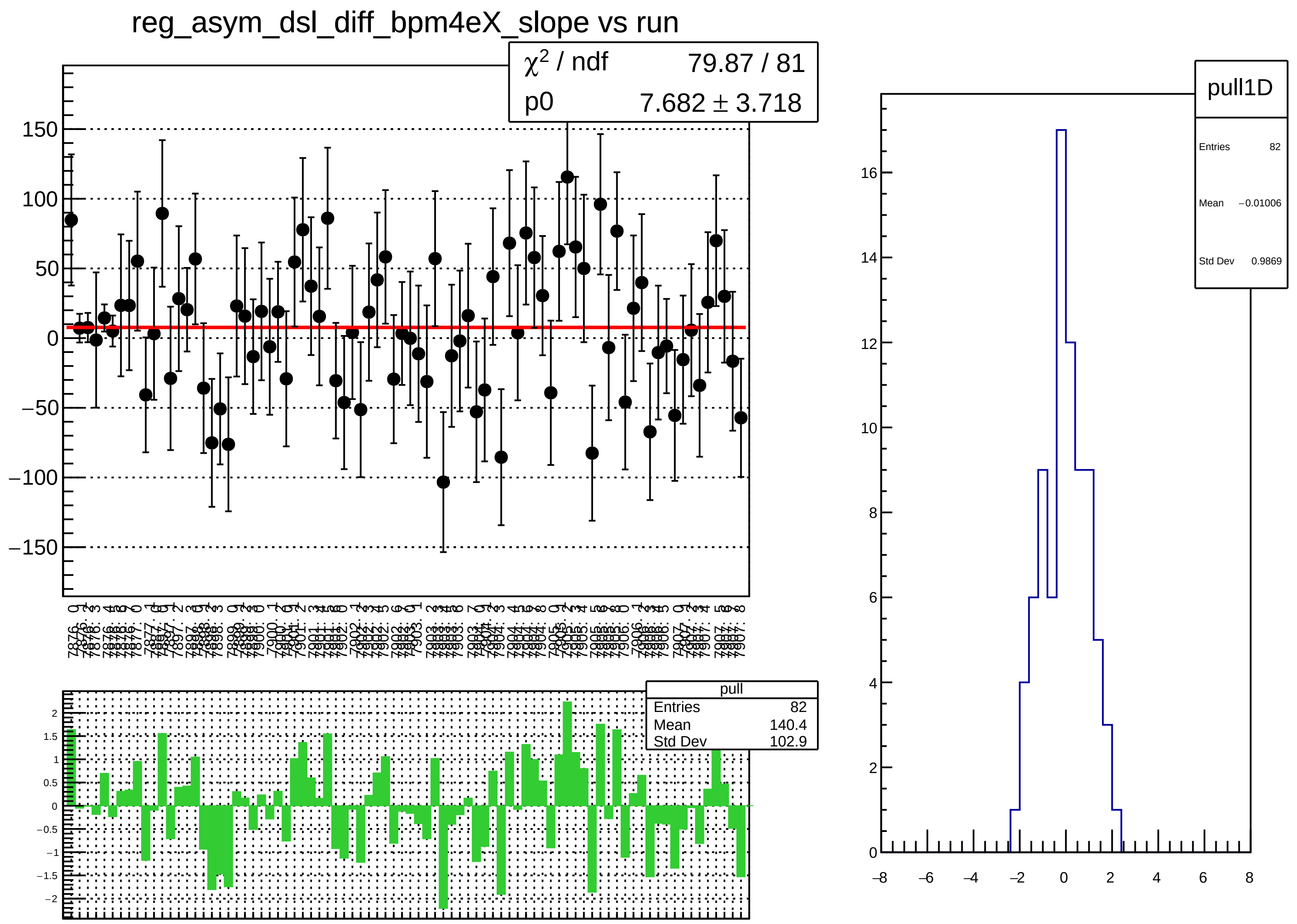


reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 270.3 / 81
p0 −42.7 ± 0.2058
pull
Entries 82
Mean 126.3
Std Dev 82.55
pull1D
Entries 82
Mean −0.2473
Std Dev 1.798

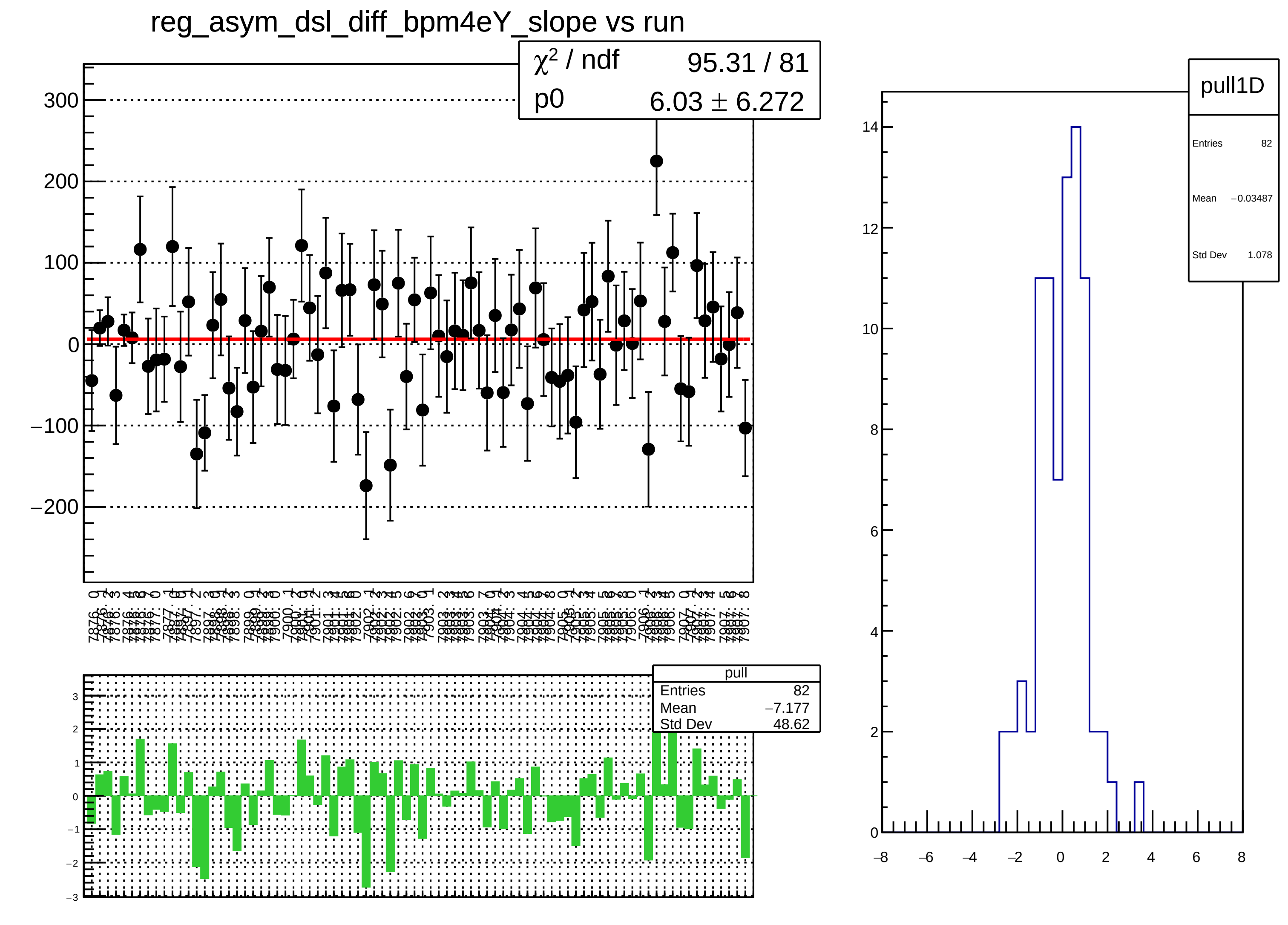

reg_asym_dsl_diff_bpm1X_slope vs run
χ2 / ndf 78.58 / 81
p0 −8.643 ± 4.637
pull
Entries 82
Mean 156.6
Std Dev 120.4
pull1D
Entries 82
Mean 0.008417
Std Dev 0.9789



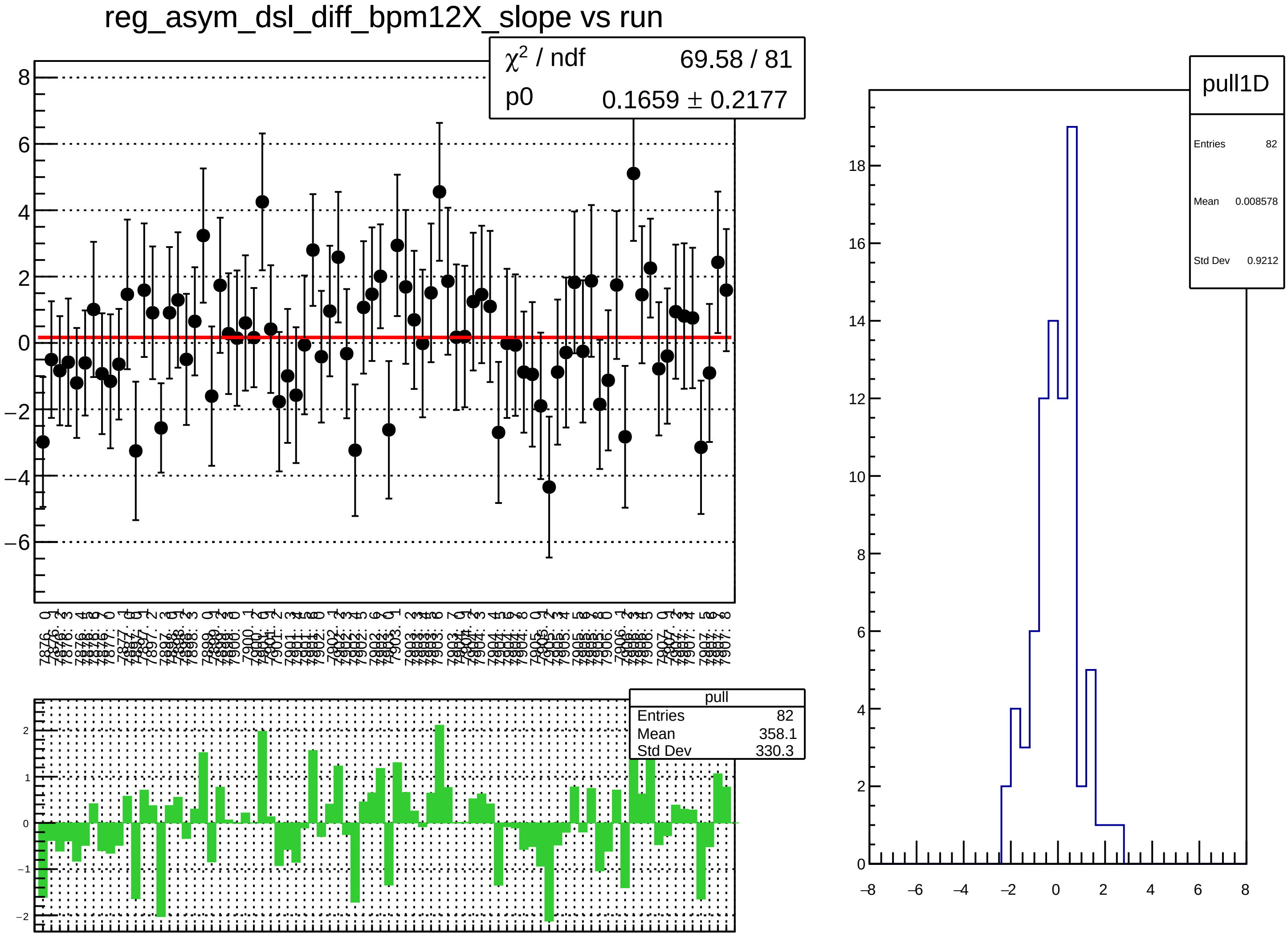
reg_asym_dsl_diff_bpm4aY_slope vs run
χ2 / ndf 94.82 / 81
p0 −5.456 ± 4.954
pull
Entries 82
Mean 6.102
Std Dev 33.09
pull1D
Entries 82
Mean 0.05332
Std Dev 1.074



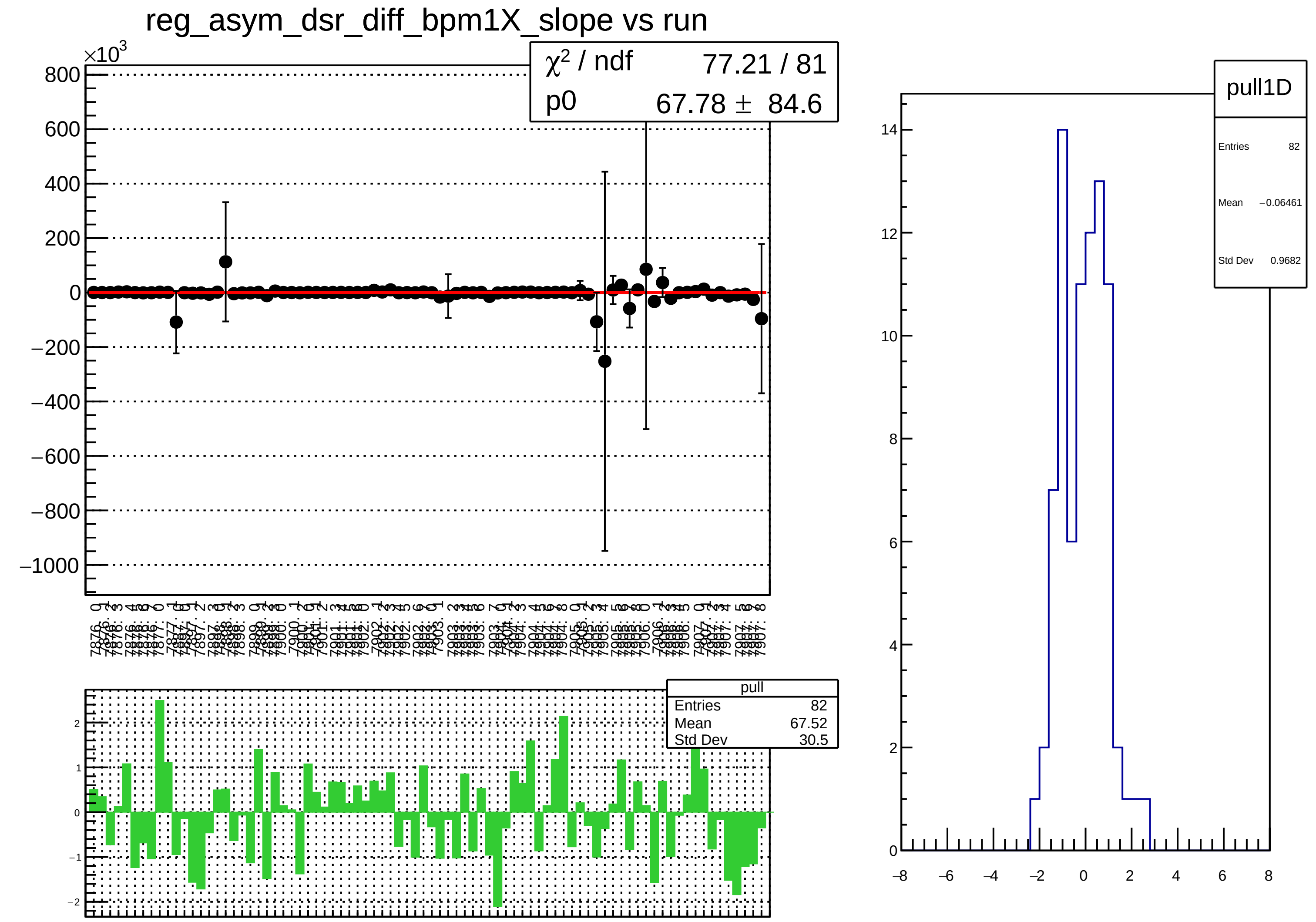
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 79.87 / 81
p0 7.682 ± 3.718
pull
Entries 82
Mean 140.4
Std Dev 102.9
pull1D
Entries 82
Mean −0.01006
Std Dev 0.9869



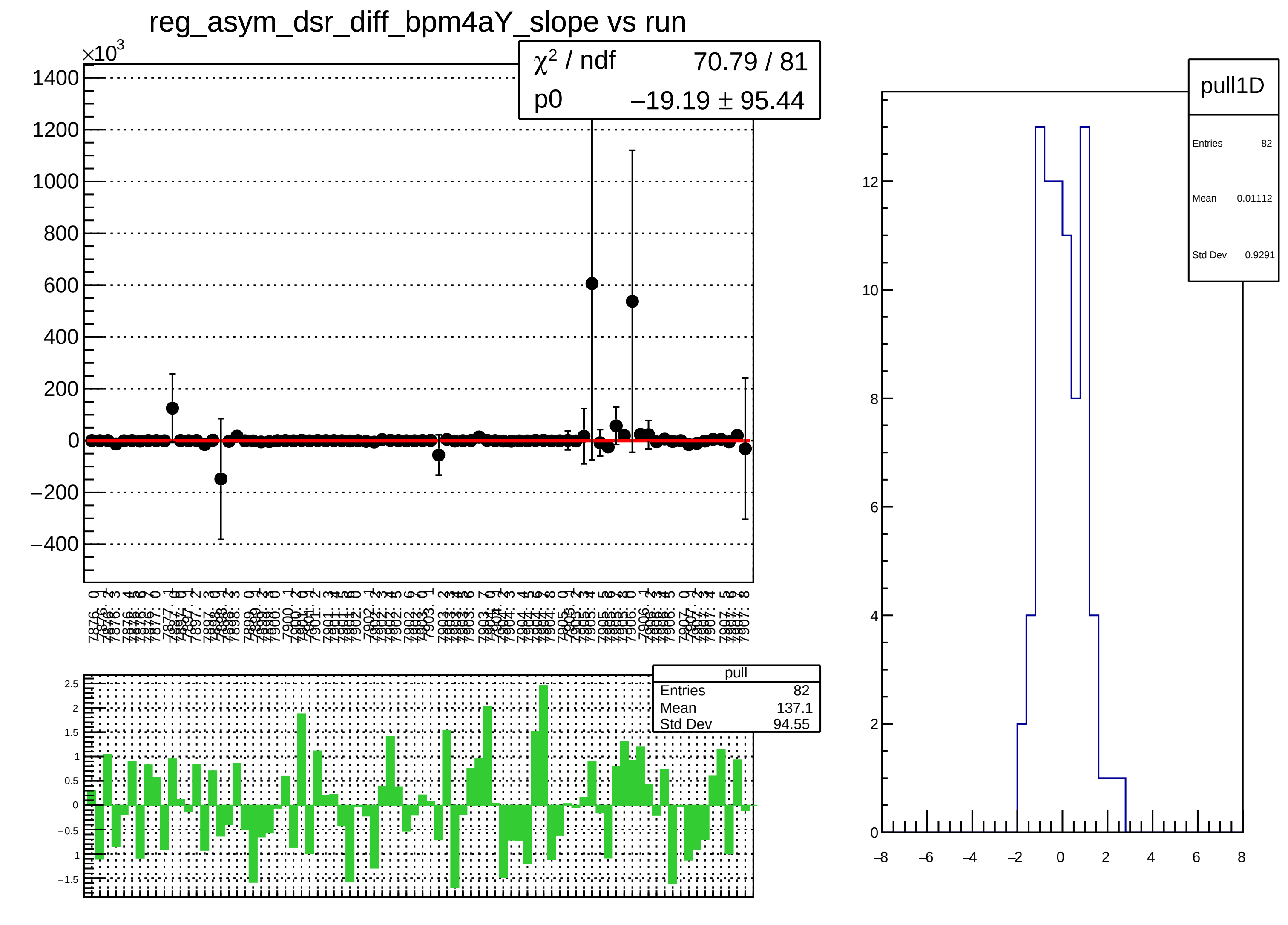
reg_asym_dsl_diff_bpm4eY_slope vs run
χ2 / ndf 95.31 / 81
p0 6.03 ± 6.272
pull
Entries 82
Mean −7.177
Std Dev 48.62
pull1D
Entries 82
Mean −0.03487
Std Dev 1.078



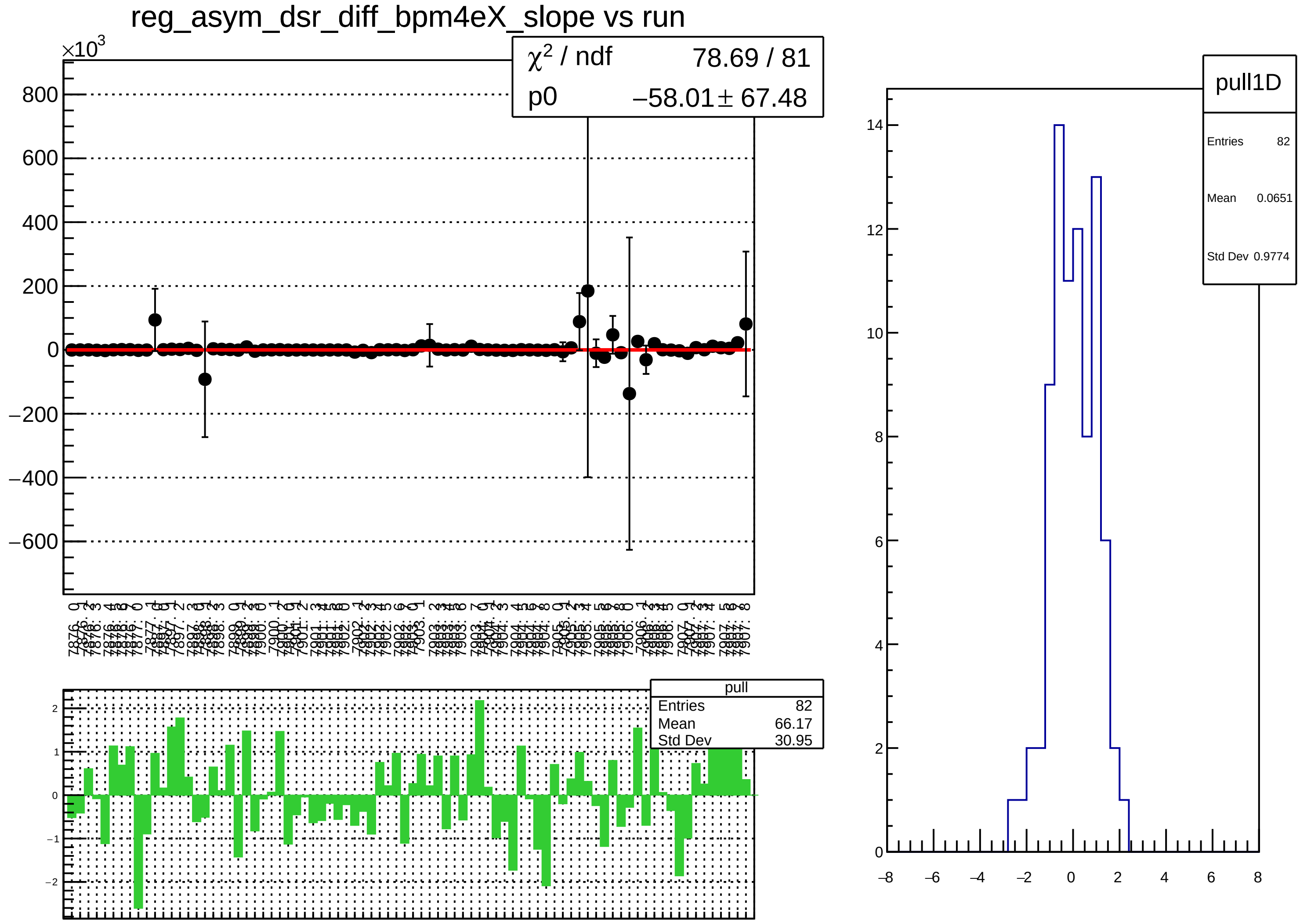
reg_asym_dsl_diff_bpm12X_slope vs run
χ^2 / ndf 69.58 / 81
p0 0.1659 ± 0.2177
pull
Entries 82
Mean 358.1
Std Dev 330.3
pull1D
Entries 82
Mean 0.008578
Std Dev 0.9212



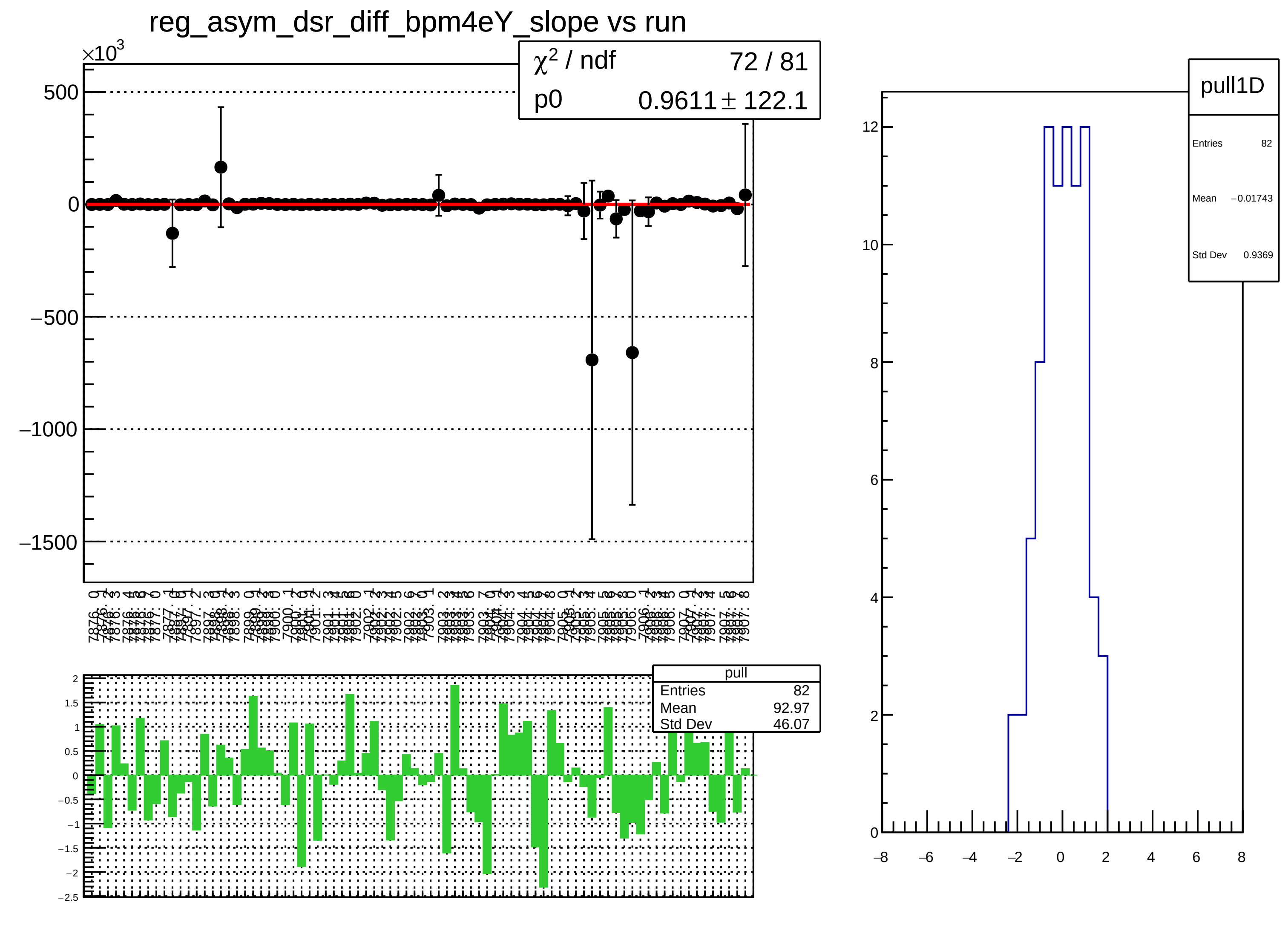
reg_asym_dsr_diff_bpm1X_slope vs run
$\times10^3$
χ^2 / ndf 77.21 / 81
p0 67.78 ± 84.6
pull
Entries 82
Mean 67.52
Std Dev 30.5
pull1D
Entries 82
Mean −0.06461
Std Dev 0.9682



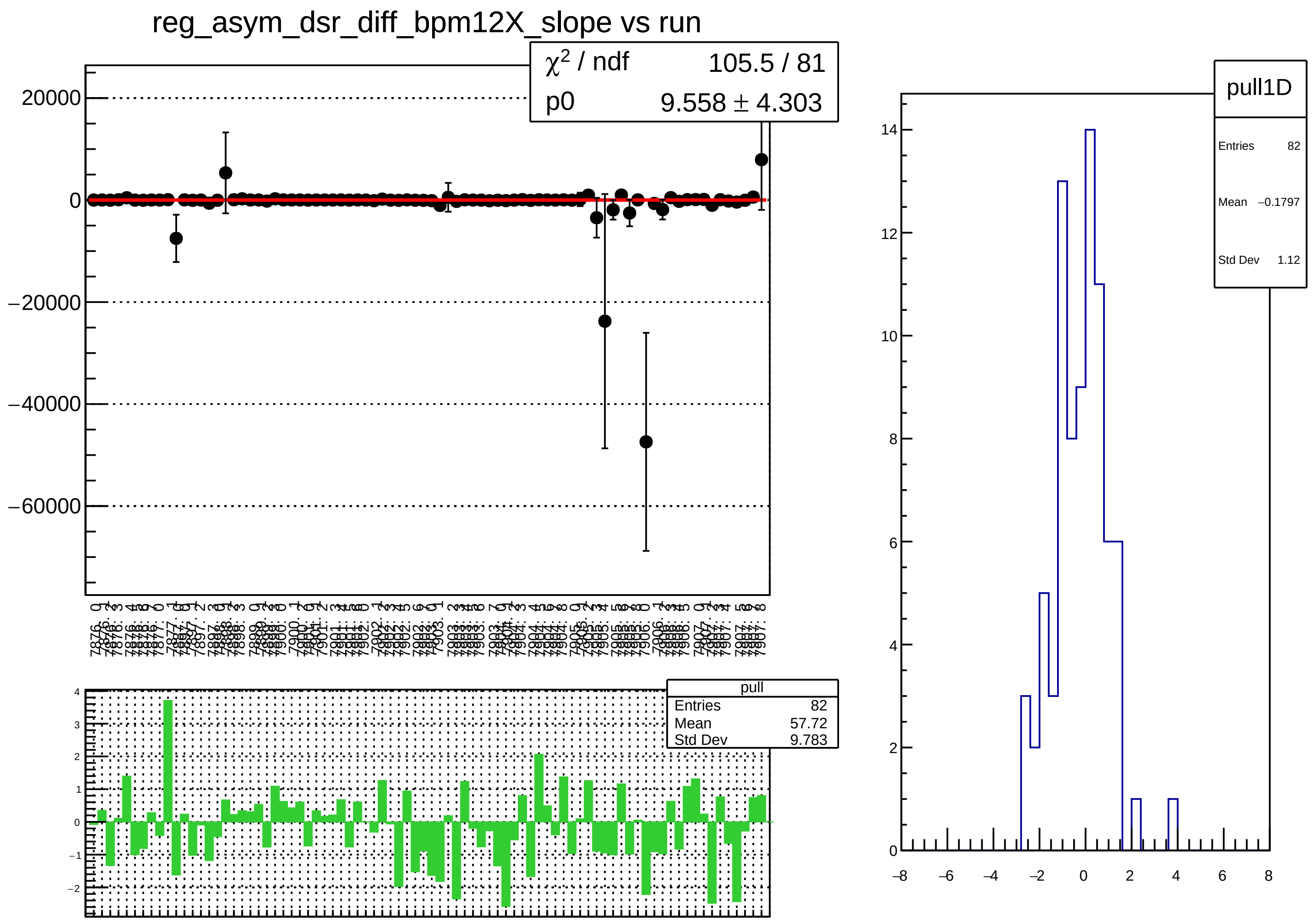
reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 70.79 / 81
p0 −19.19 ± 95.44
pull
Entries 82
Mean 137.1
Std Dev 94.55
pull1D
Entries 82
Mean 0.01112
Std Dev 0.9291



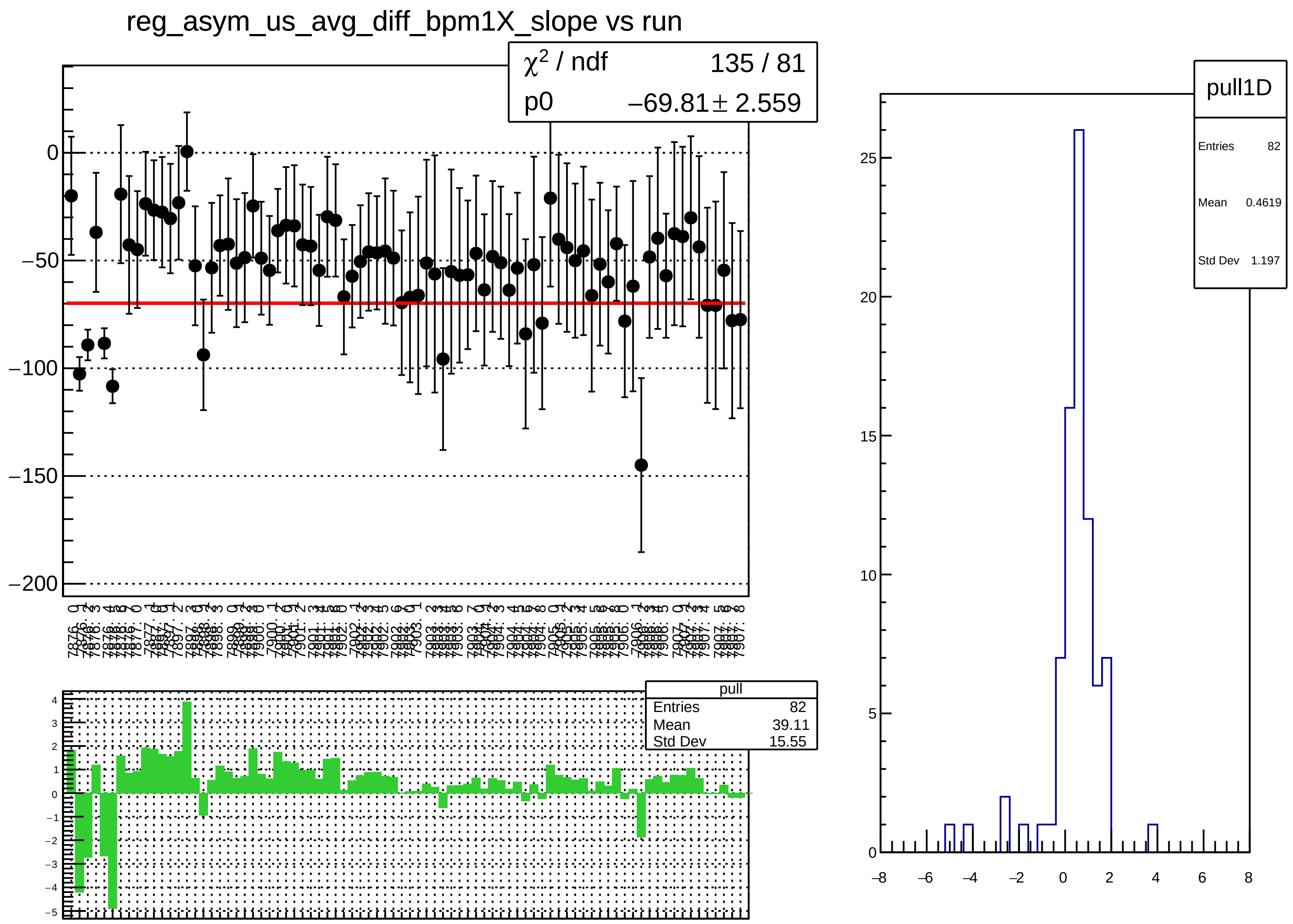
reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 78.69 / 81
p0 −58.01 ± 67.48
800
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean 66.17
Std Dev 30.95
pull1D
Entries 82
Mean 0.0651
Std Dev 0.9774



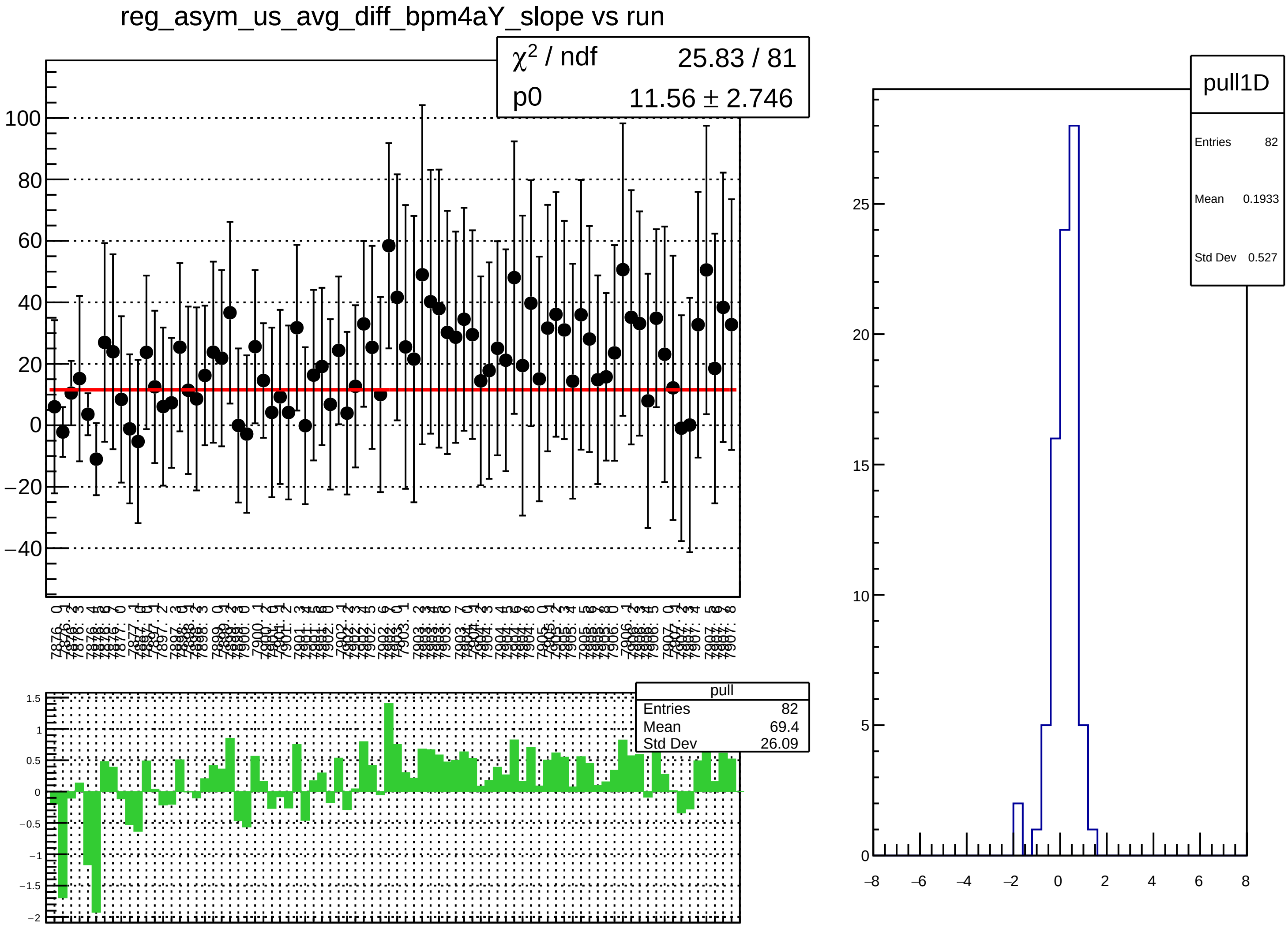
reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 72 / 81
p0 0.9611 ± 122.1
pull
Entries 82
Mean 92.97
Std Dev 46.07
pull1D
Entries 82
Mean −0.01743
Std Dev 0.9369



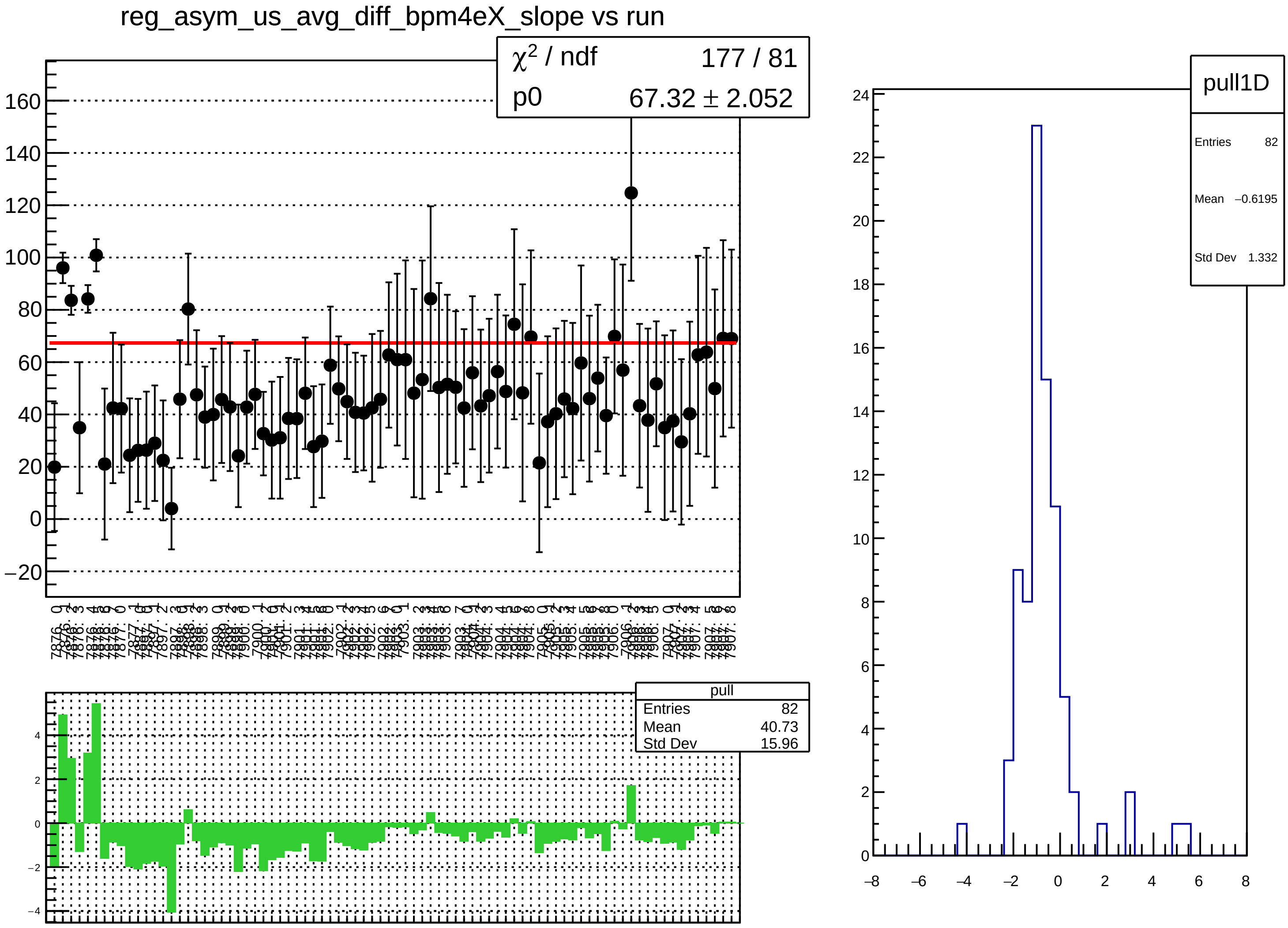
reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 105.5 / 81
p0 9.558 ± 4.303
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 57.72
Std Dev 9.783
pull1D
Entries 82
Mean −0.1797
Std Dev 1.12



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

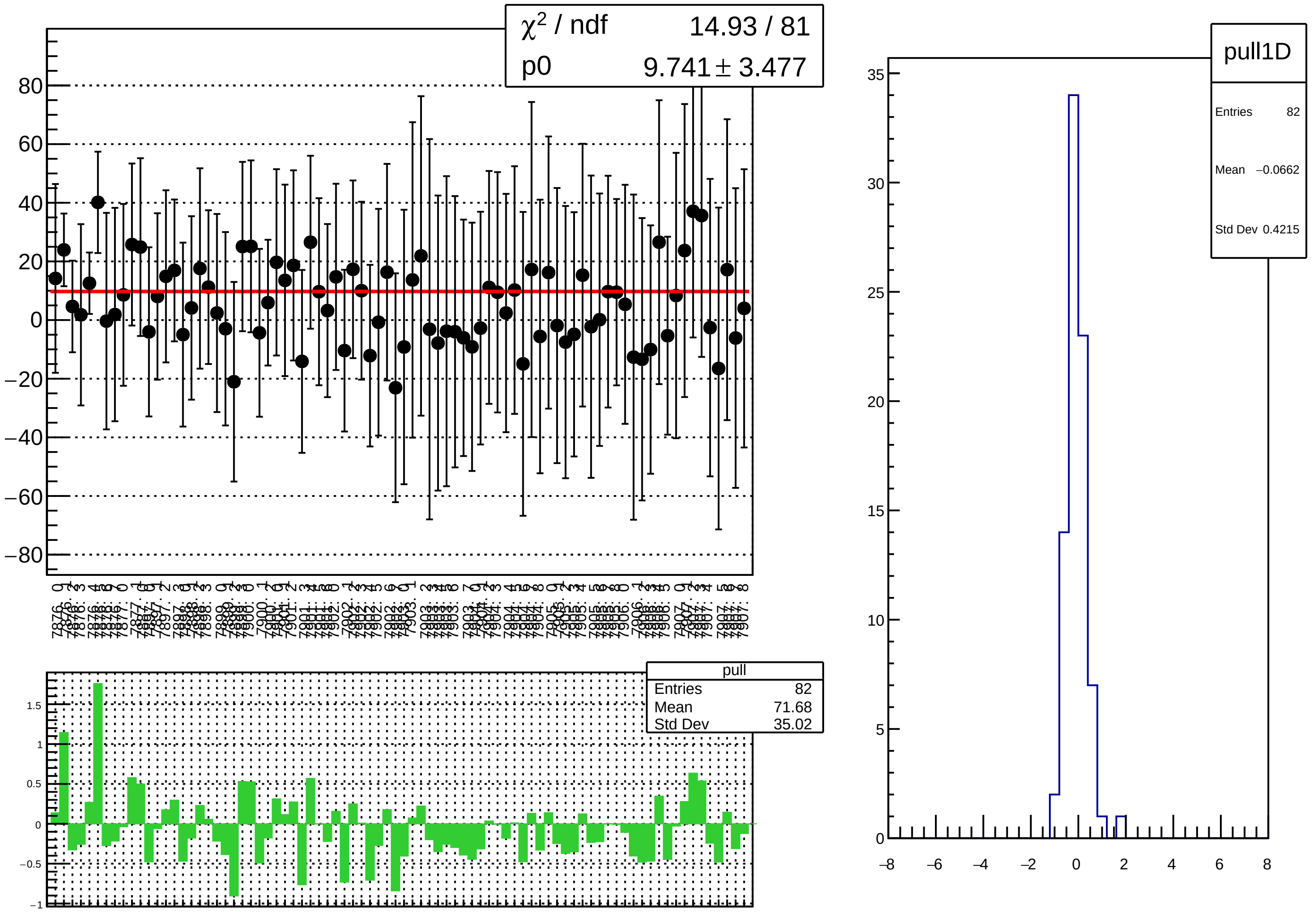


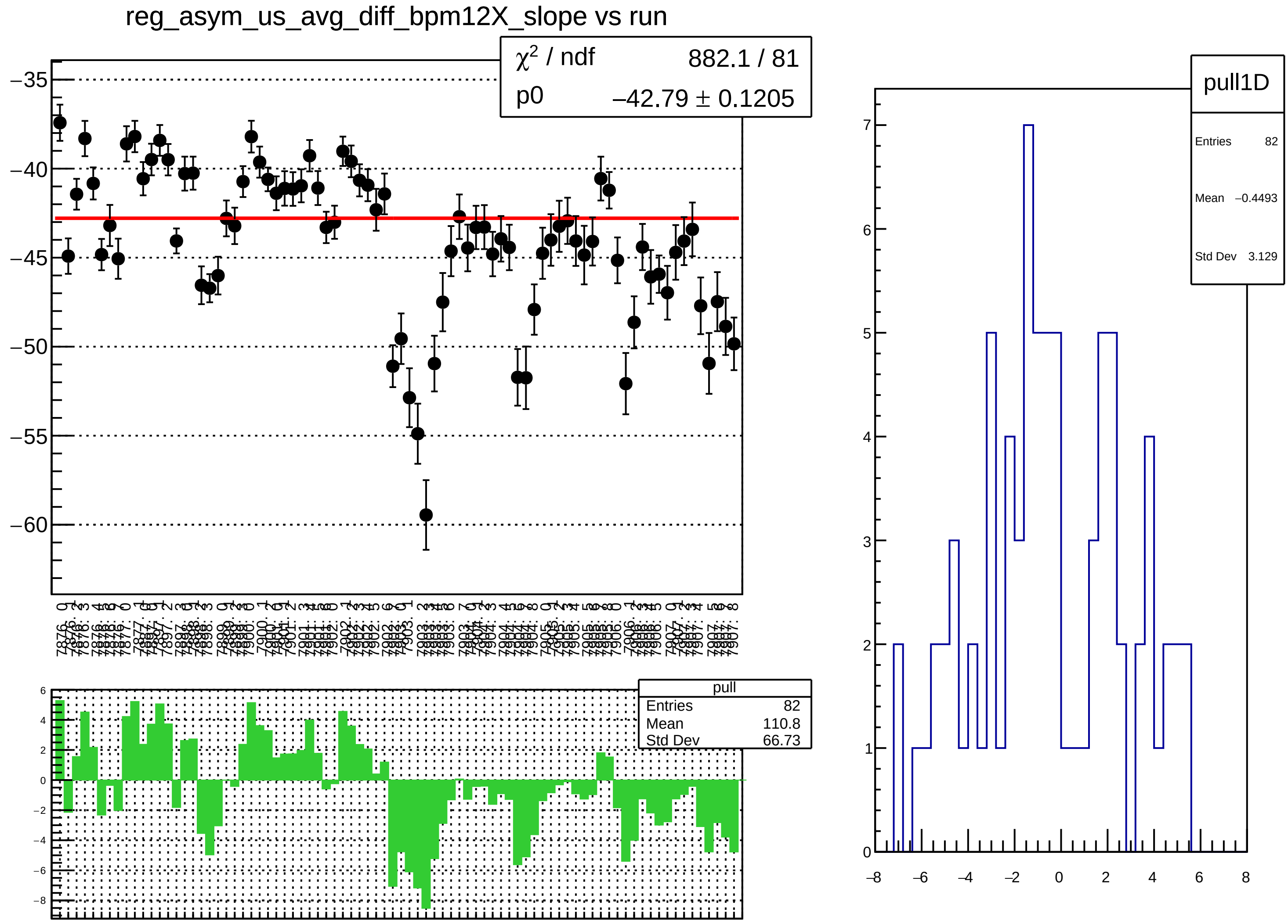
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 25.83 / 81
p0 11.56 ± 2.746
pull
Entries 82
Mean 69.4
Std Dev 26.09
pull1D
Entries 82
Mean 0.1933
Std Dev 0.527



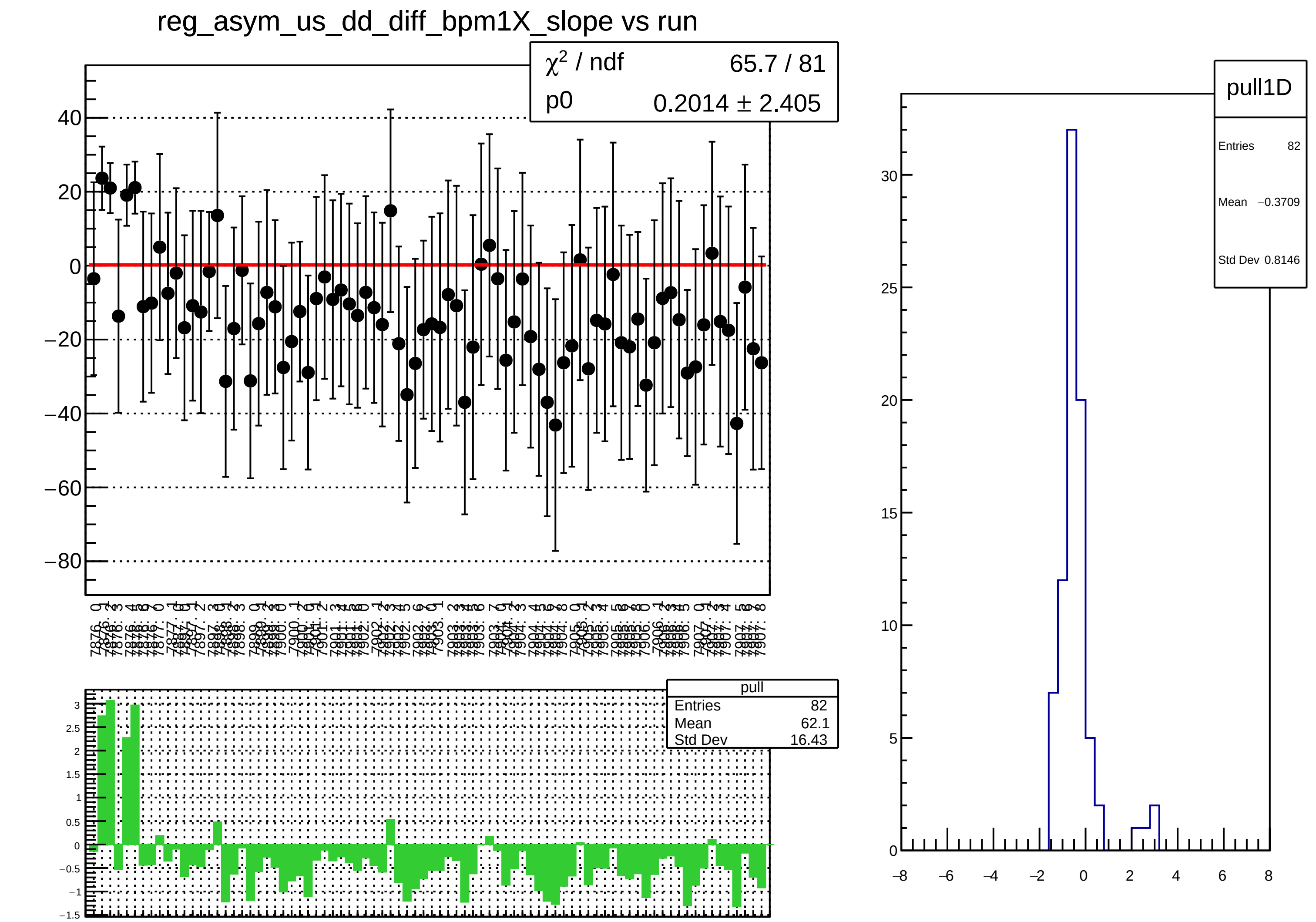
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 177 / 81
p0 67.32 ± 2.052
pull
Entries 82
Mean 40.73
Std Dev 15.96
pull1D
Entries 82
Mean −0.6195
Std Dev 1.332

reg_asym_us_avg_diff_bpm4eY_slope vs run

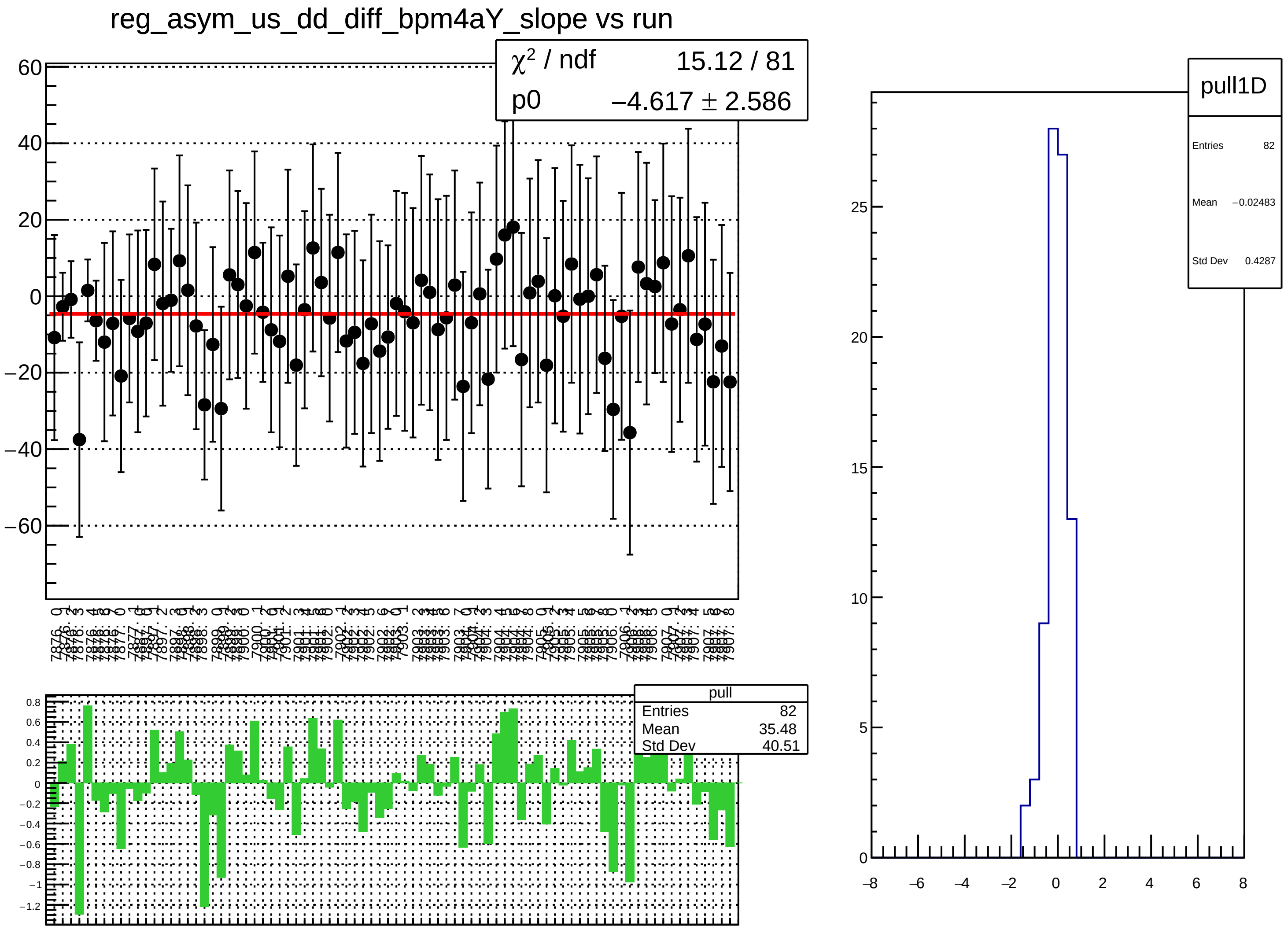




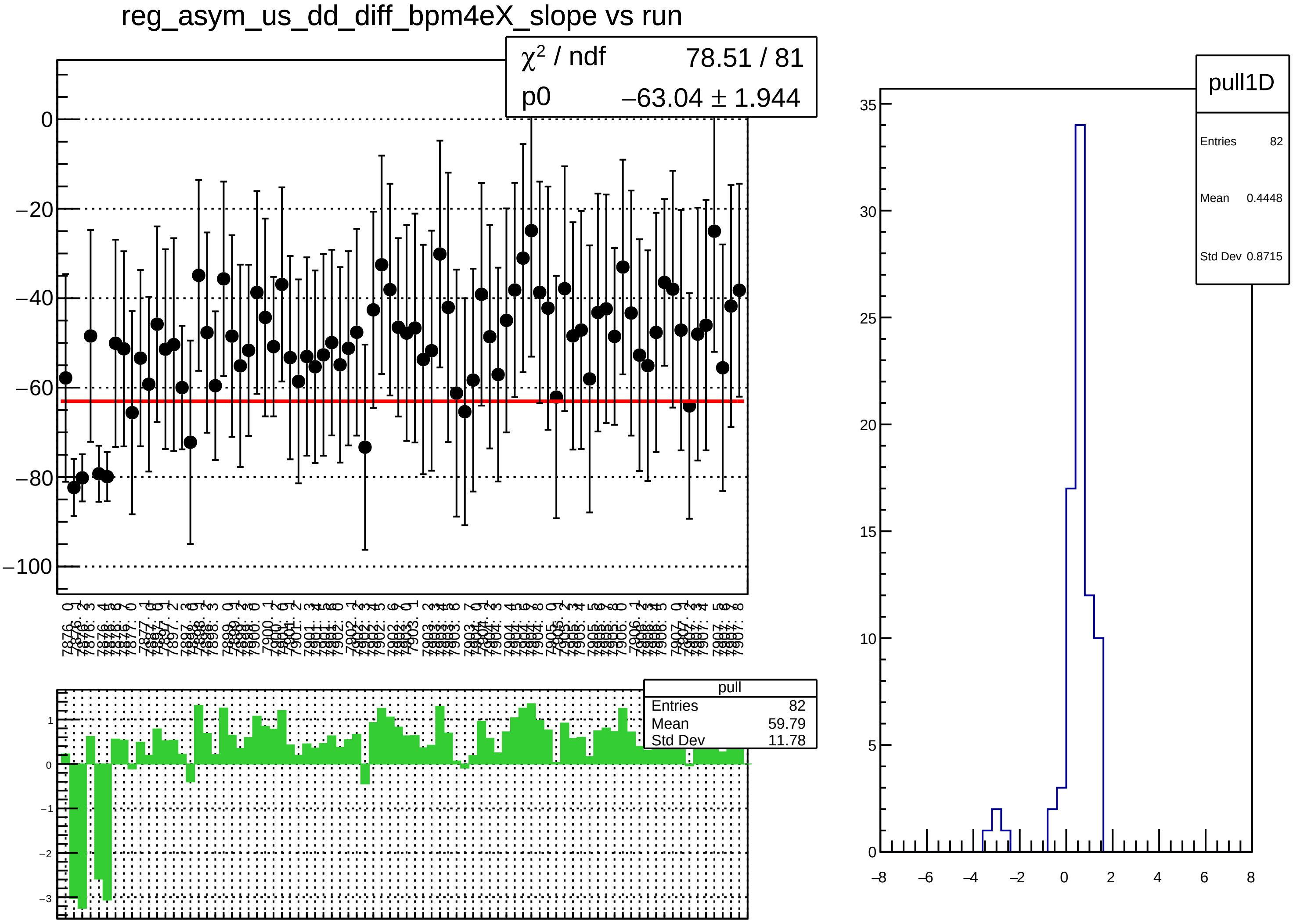
reg_asym_us_avg_diff_bpm12X_slope vs run
χ2 / ndf 882.1 / 81
p0 −42.79 ± 0.1205
−35
−40
−45
−50
−55
−60
pull
Entries 82
Mean 110.8
Std Dev 66.73
pull1D
Entries 82
Mean −0.4493
Std Dev 3.129



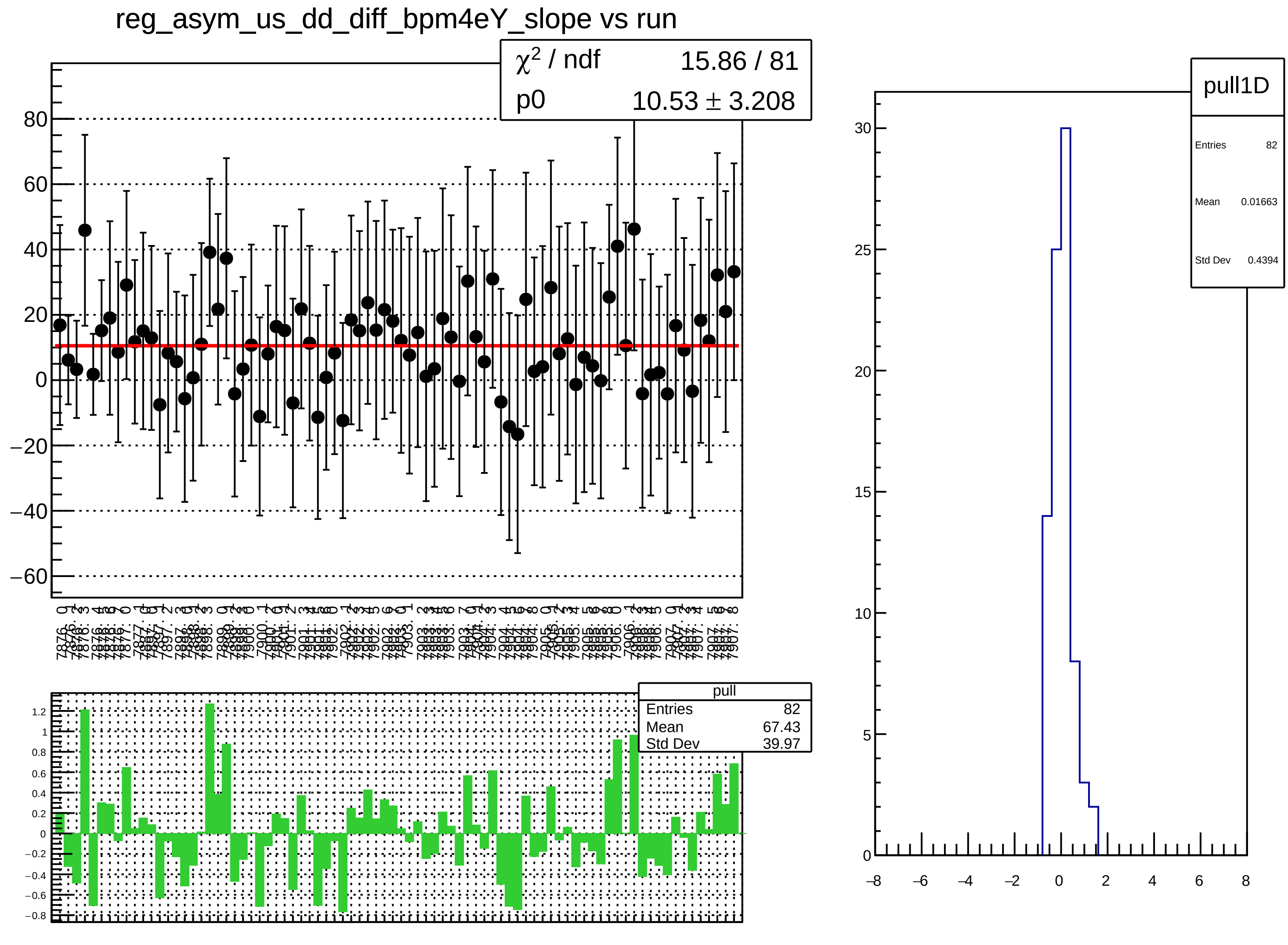
reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 65.7 / 81
p0 0.2014 ± 2.405
pull
Entries 82
Mean 62.1
Std Dev 16.43
pull1D
Entries 82
Mean −0.3709
Std Dev 0.8146

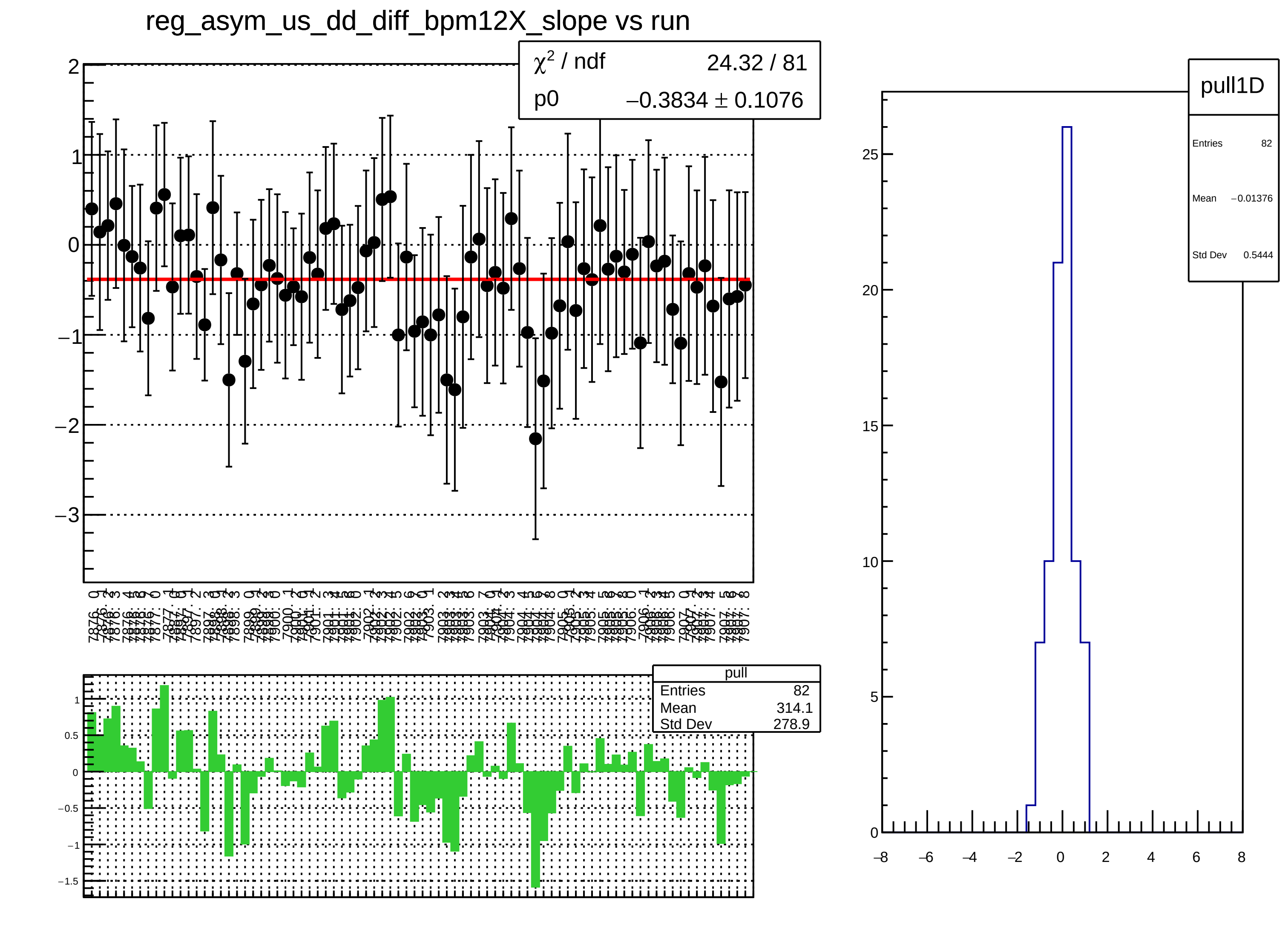


reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 15.12 / 81
p0 −4.617 ± 2.586
60
40
20
0
−20
−40
−60
pull
Entries 82
Mean 35.48
Std Dev 40.51
pull1D
Entries 82
Mean −0.02483
Std Dev 0.4287

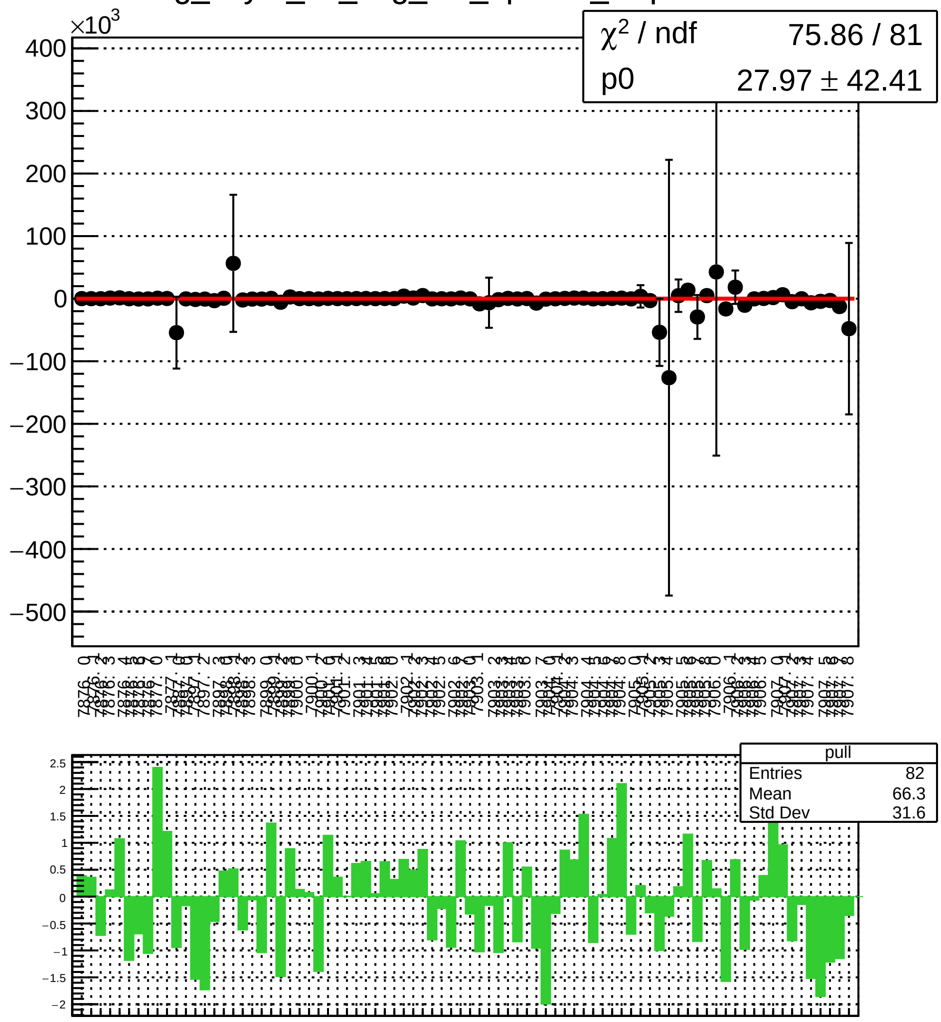


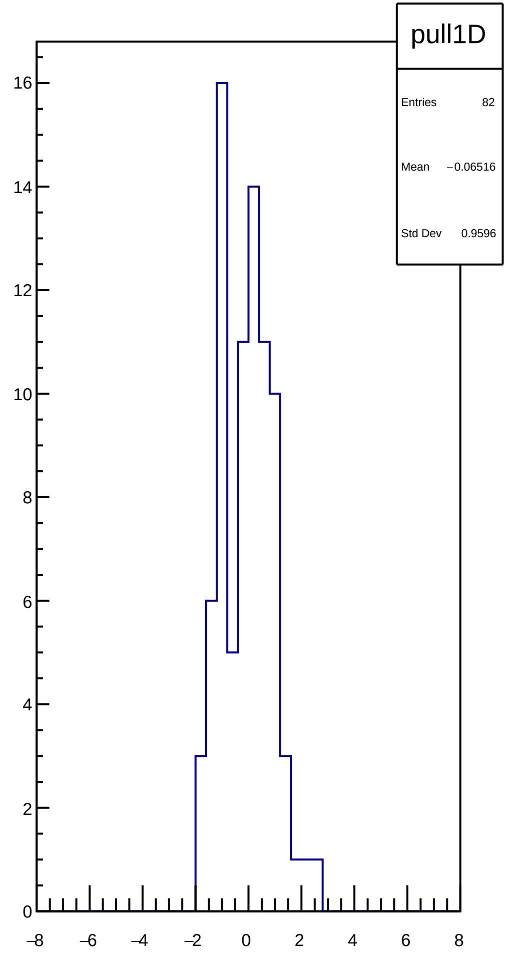
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 78.51 / 81
p0 −63.04 ± 1.944
0
−20
−40
−60
−80
−100
pull
Entries 82
Mean 59.79
Std Dev 11.78
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.4448
Std Dev 0.8715
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

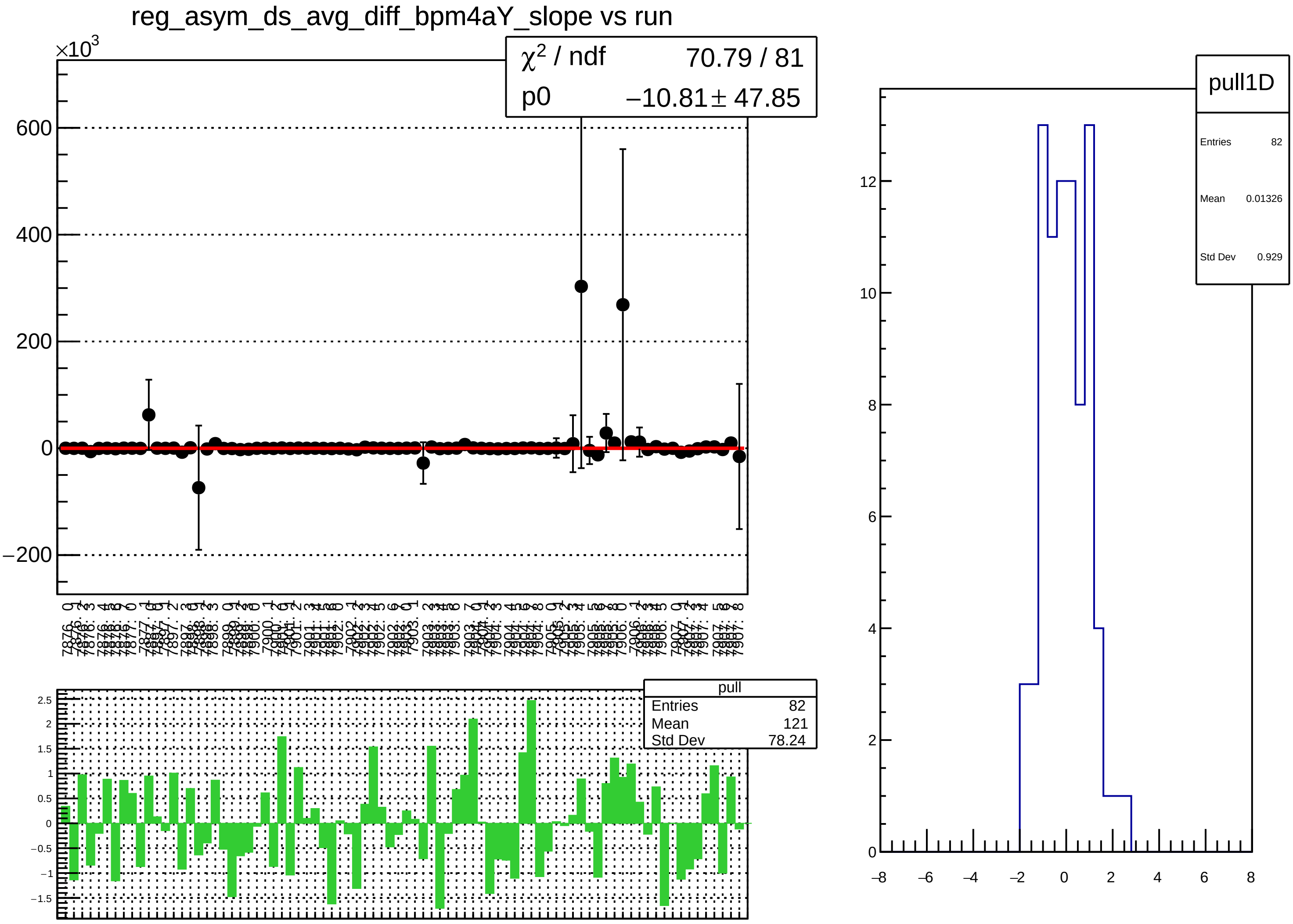

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 15.86 / 81
p0 10.53 ± 3.208
pull
Entries 82
Mean 67.43
Std Dev 39.97
pull1D
Entries 82
Mean 0.01663
Std Dev 0.4394

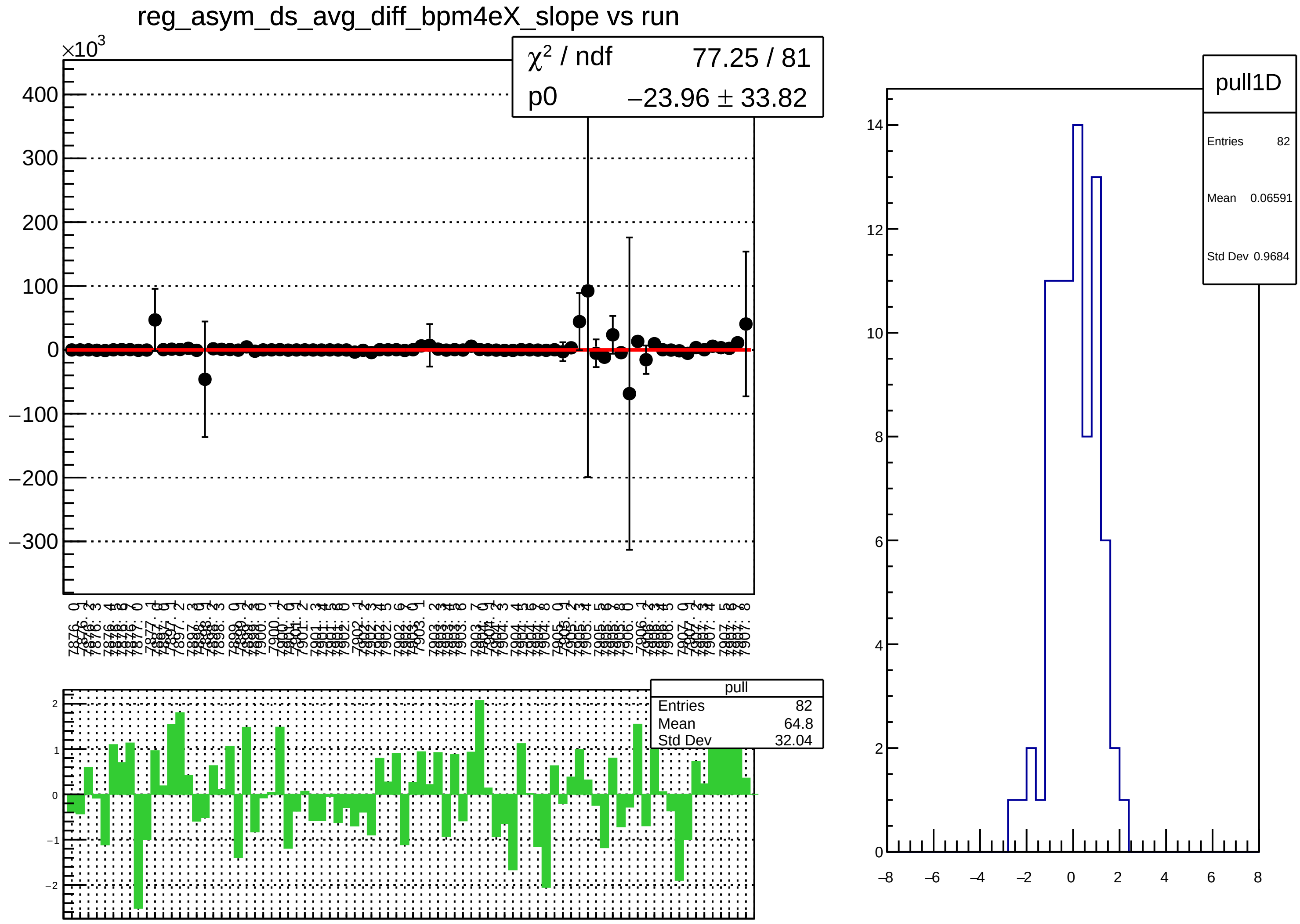

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.32 / 81
p0 −0.3834 ± 0.1076
pull
Entries 82
Mean 314.1
Std Dev 278.9
pull1D
Entries 82
Mean −0.01376
Std Dev 0.5444

reg_asym_ds_avg_diff_bpm1X_slope vs run

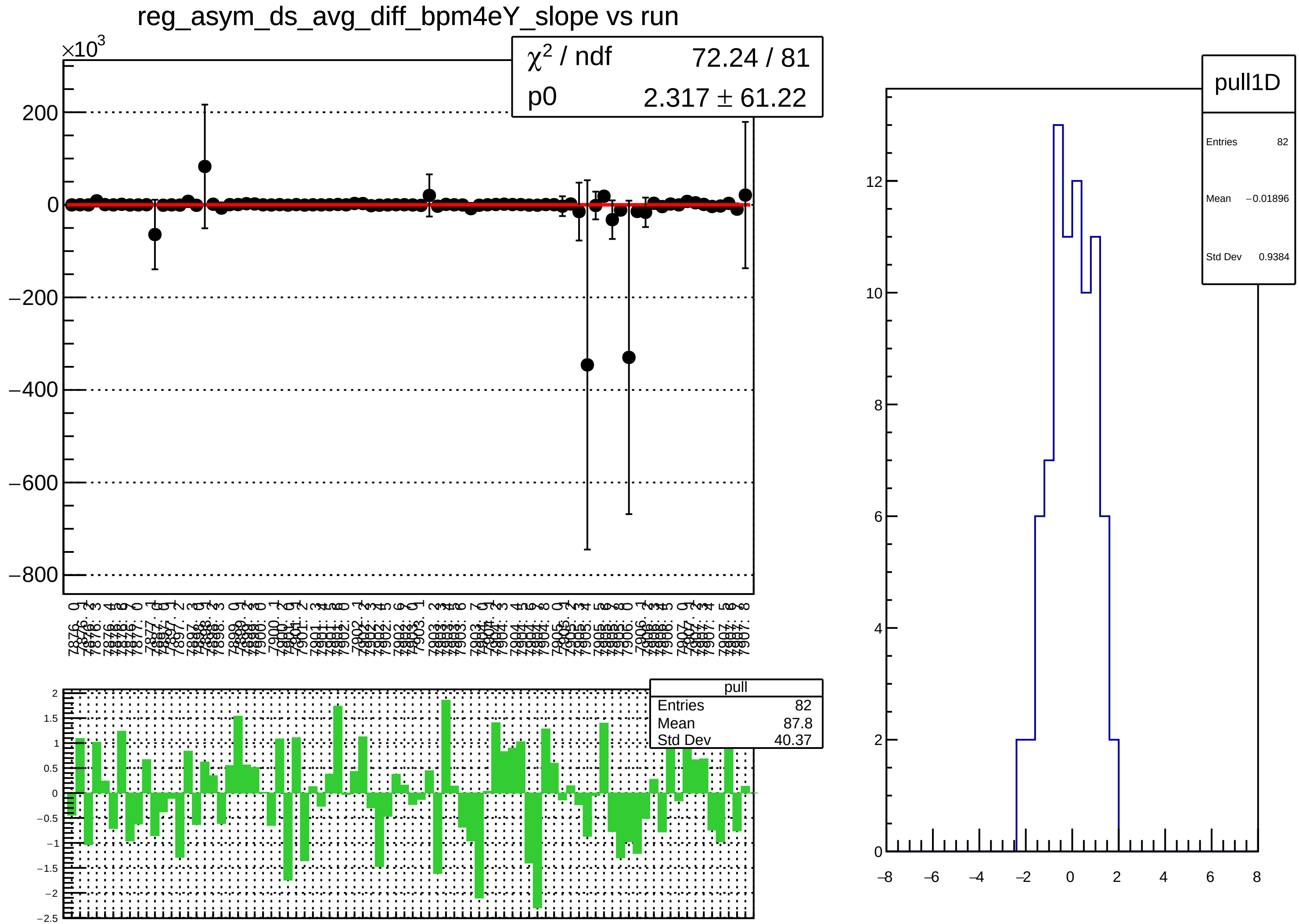




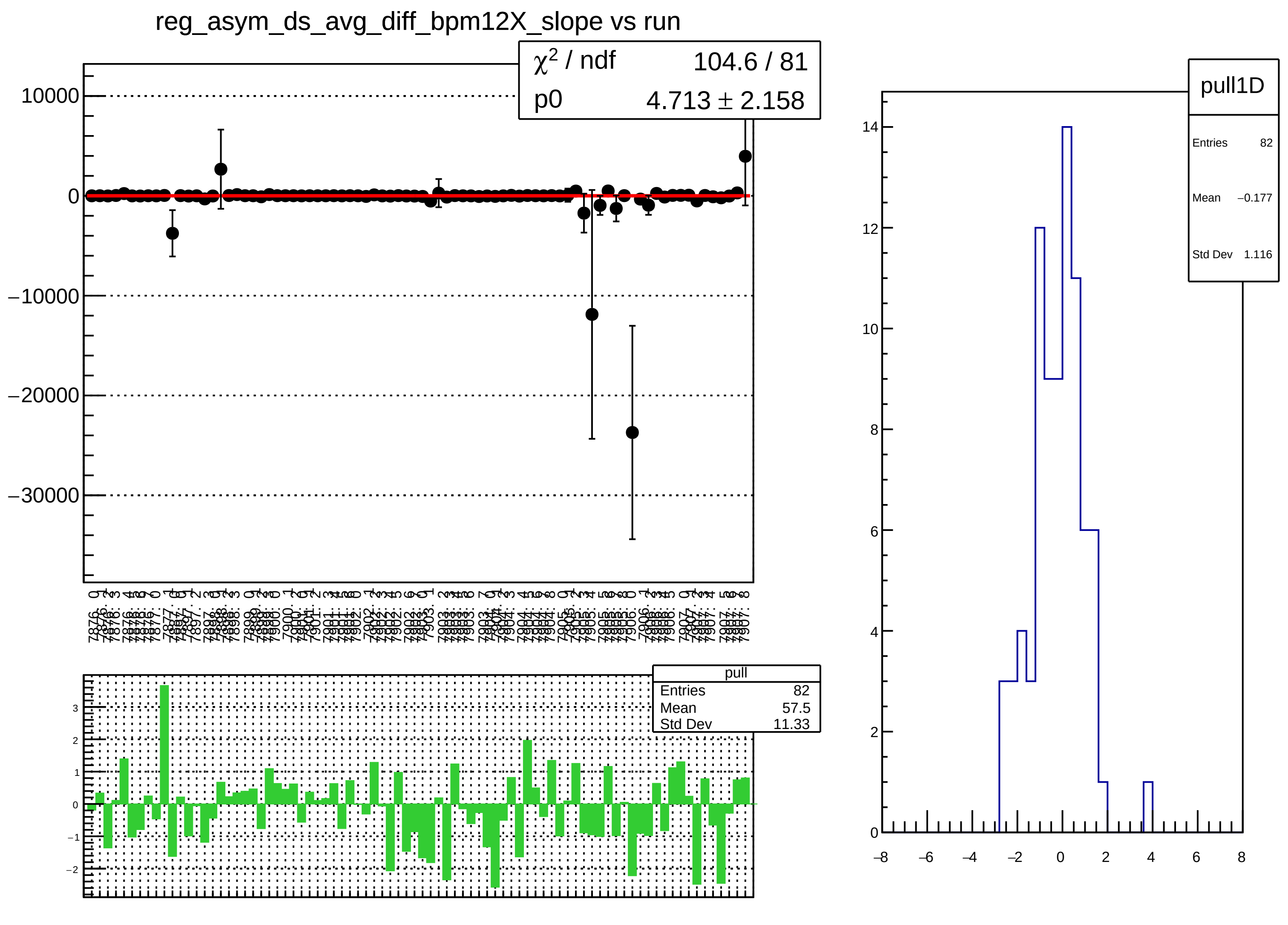

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 70.79 / 81
p0 −10.81 ± 47.85
600
400
200
0
−200
pull
Entries 82
Mean 121
Std Dev 78.24
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01326
Std Dev 0.929
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

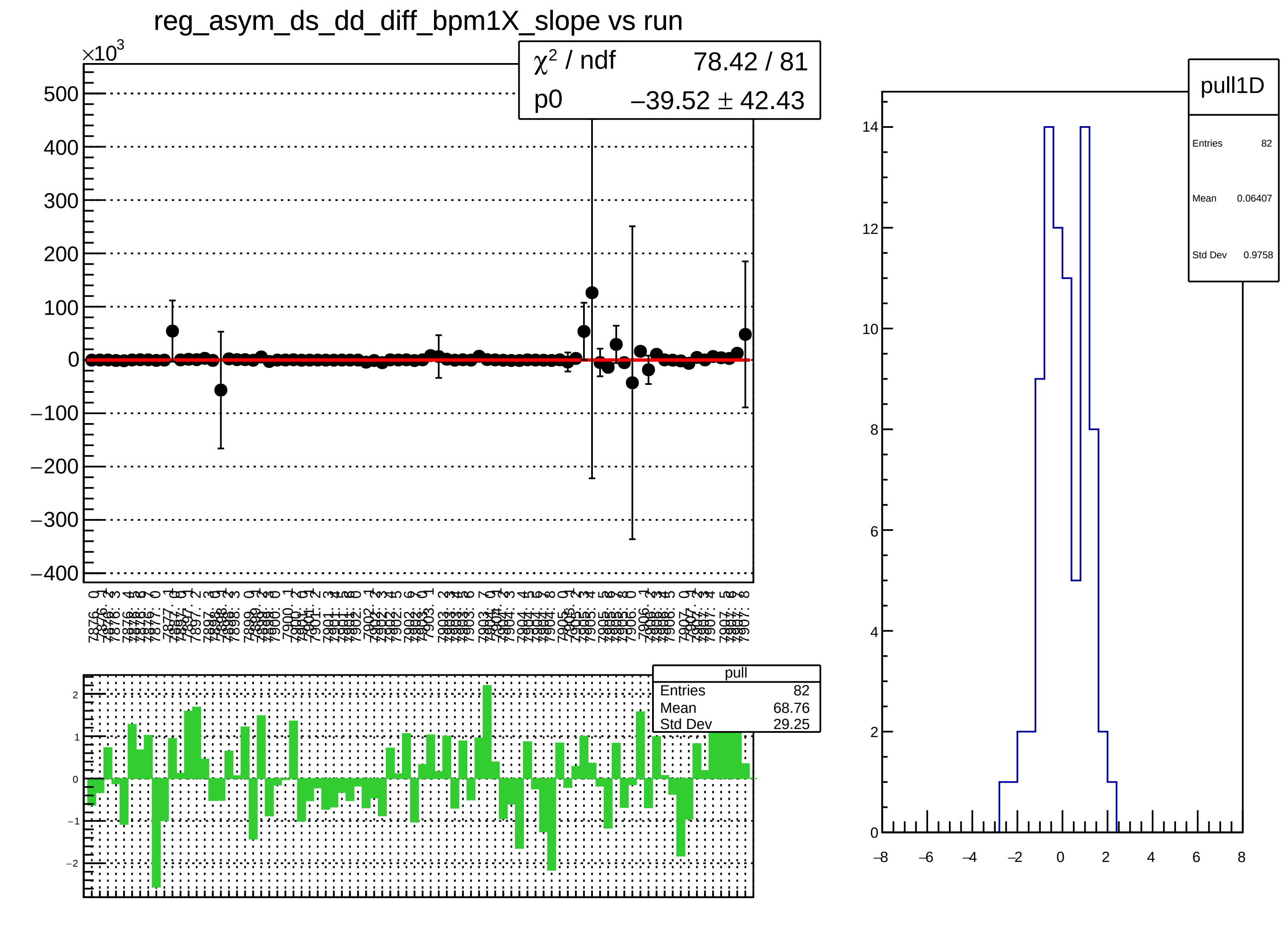


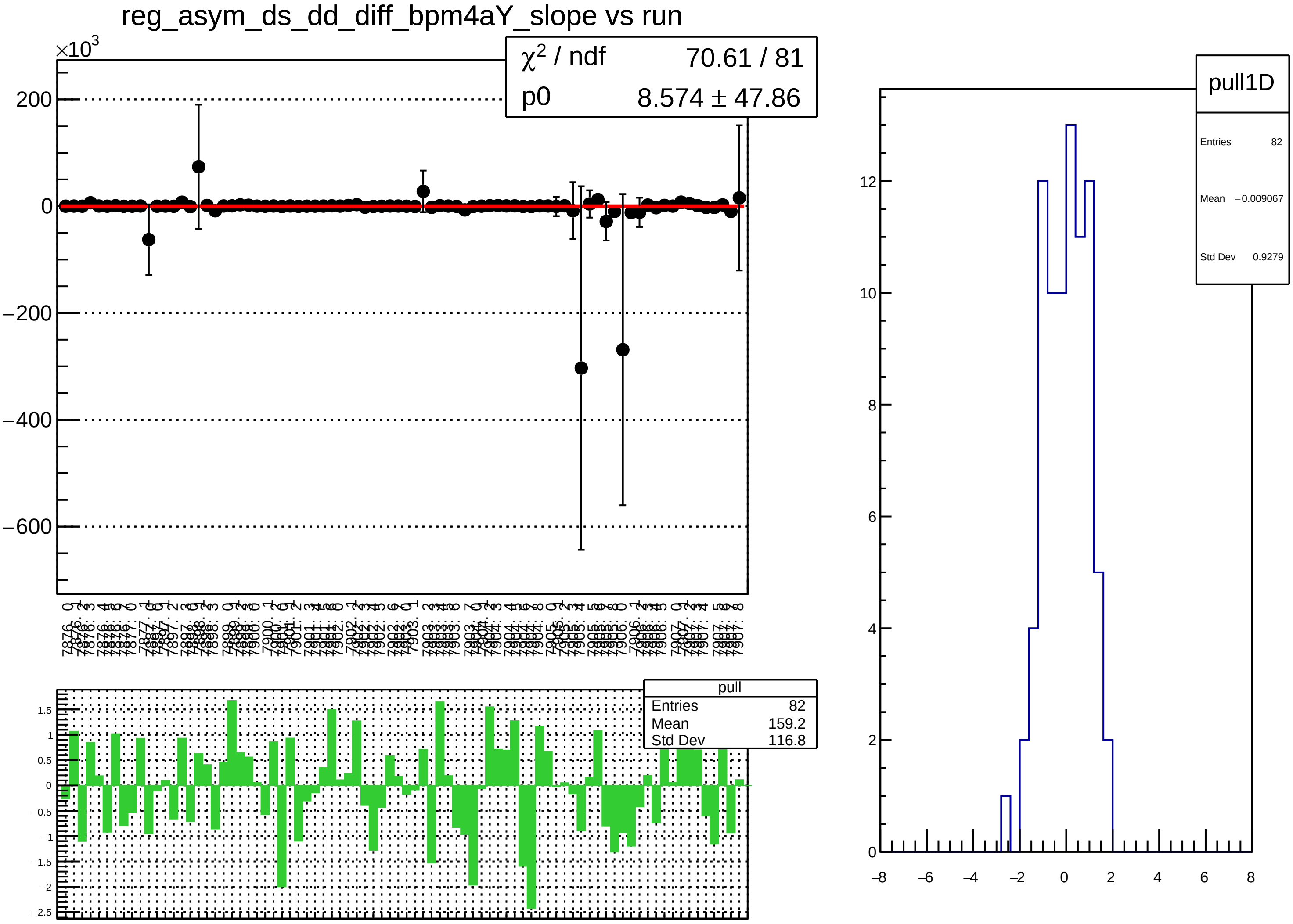
reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 77.25 / 81
p0 −23.96 ± 33.82
400
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean 64.8
Std Dev 32.04
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.06591
Std Dev 0.9684
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



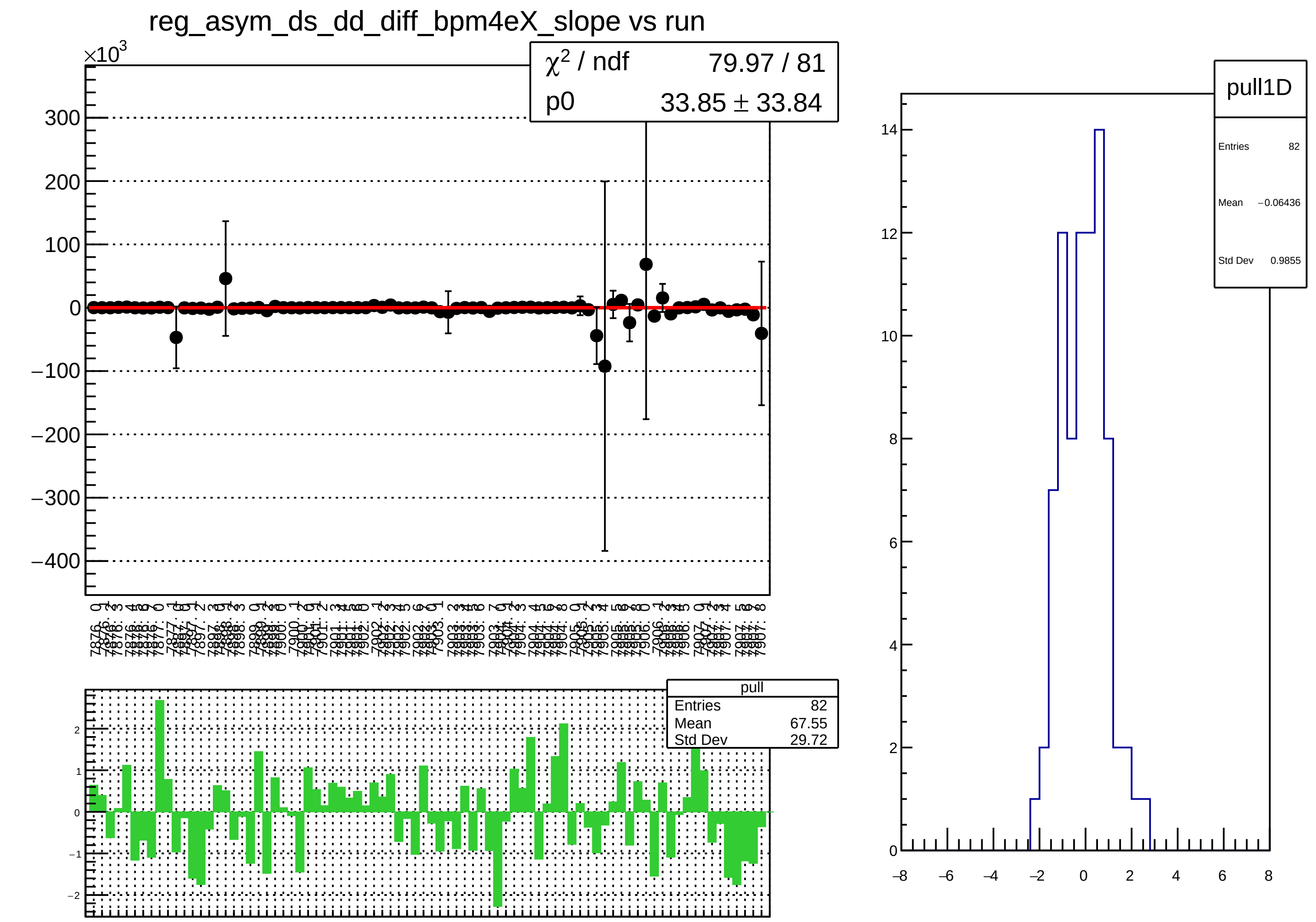
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ2 / ndf 72.24 / 81
p0 2.317 ± 61.22
pull
Entries 82
Mean 87.8
Std Dev 40.37
pull1D
Entries 82
Mean −0.01896
Std Dev 0.9384


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

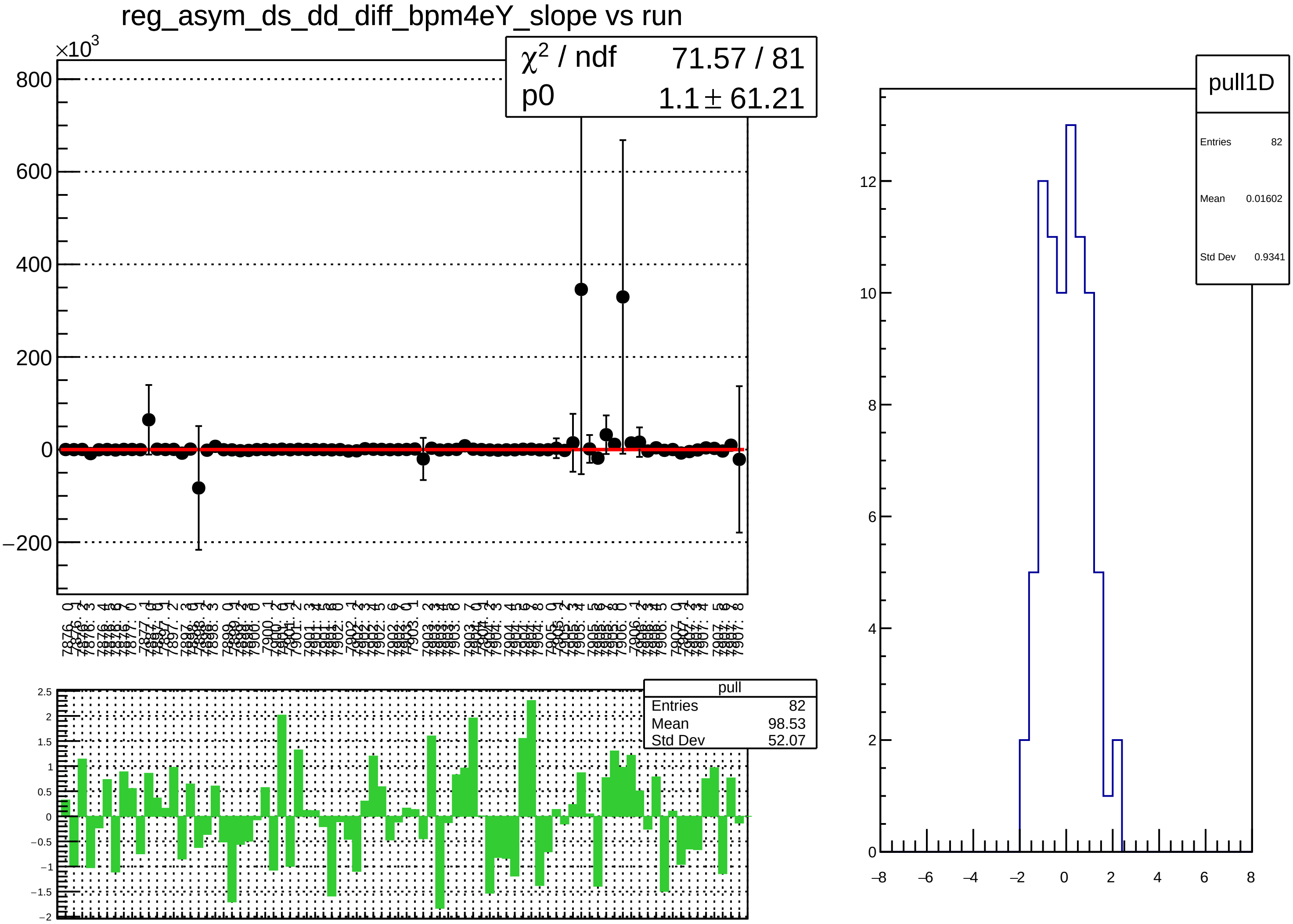

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 78.42 / 81
p0 −39.52 ± 42.43
×10^3
pull
Entries 82
Mean 68.76
Std Dev 29.25
pull1D
Entries 82
Mean 0.06407
Std Dev 0.9758



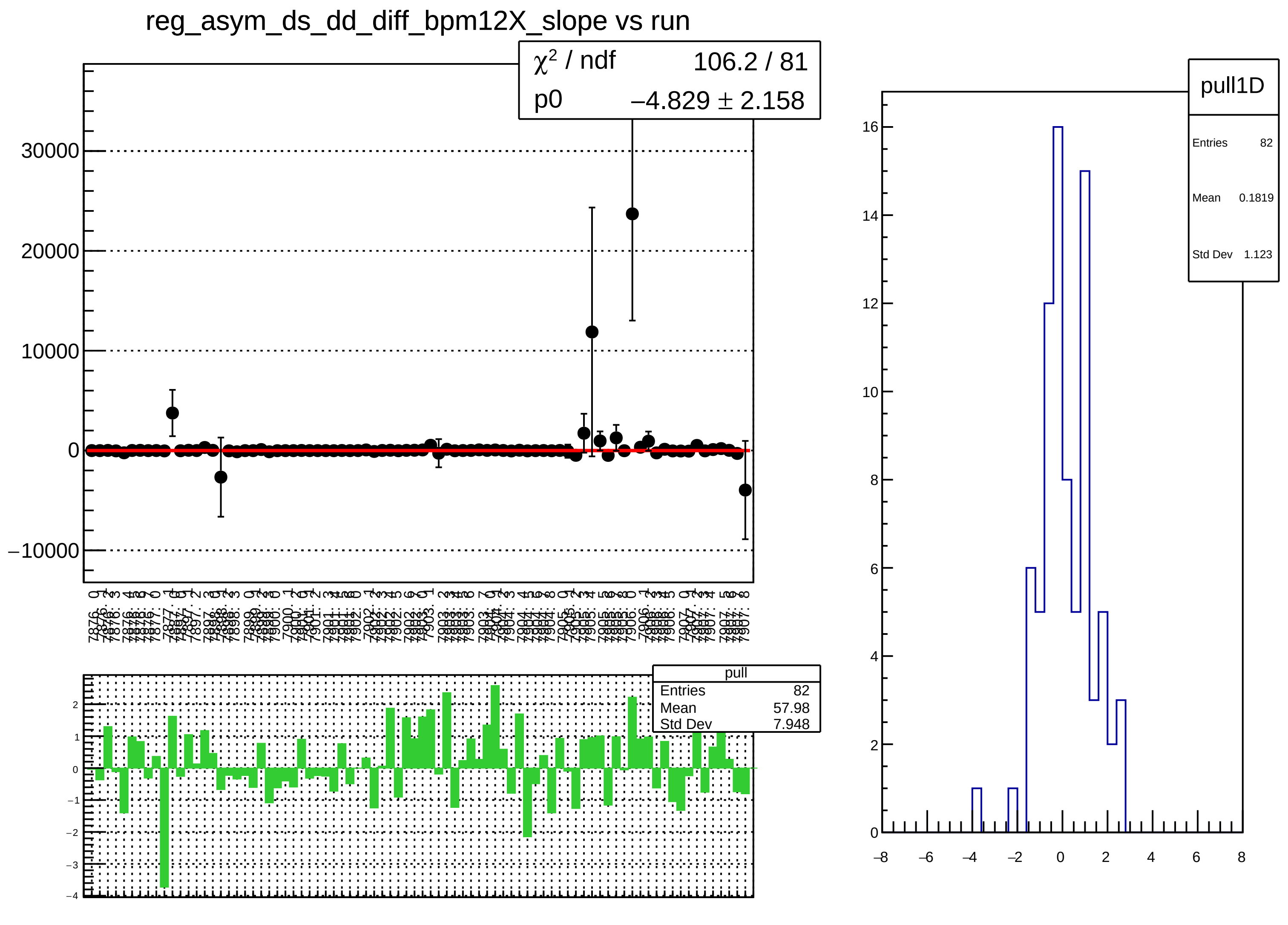
reg_asym_ds_dd_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 70.61 / 81
p0 8.574 ± 47.86
200
0
−200
−400
−600
pull
Entries 82
Mean 159.2
Std Dev 116.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.009067
Std Dev 0.9279
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



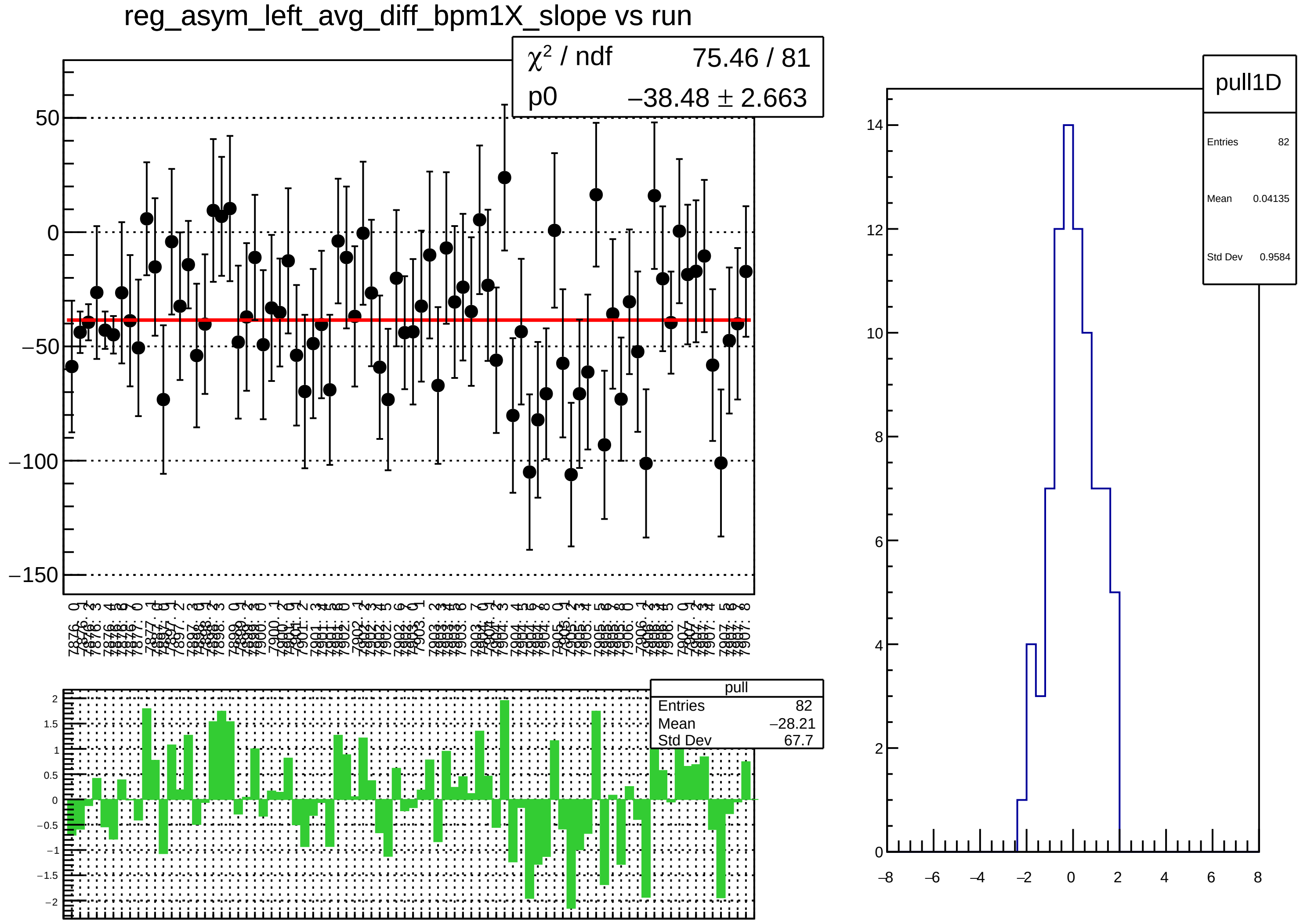
reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 79.97 / 81
p0 33.85 ± 33.84
300
200
100
0
−100
−200
−300
−400
pull
Entries 82
Mean 67.55
Std Dev 29.72
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.06436
Std Dev 0.9855
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



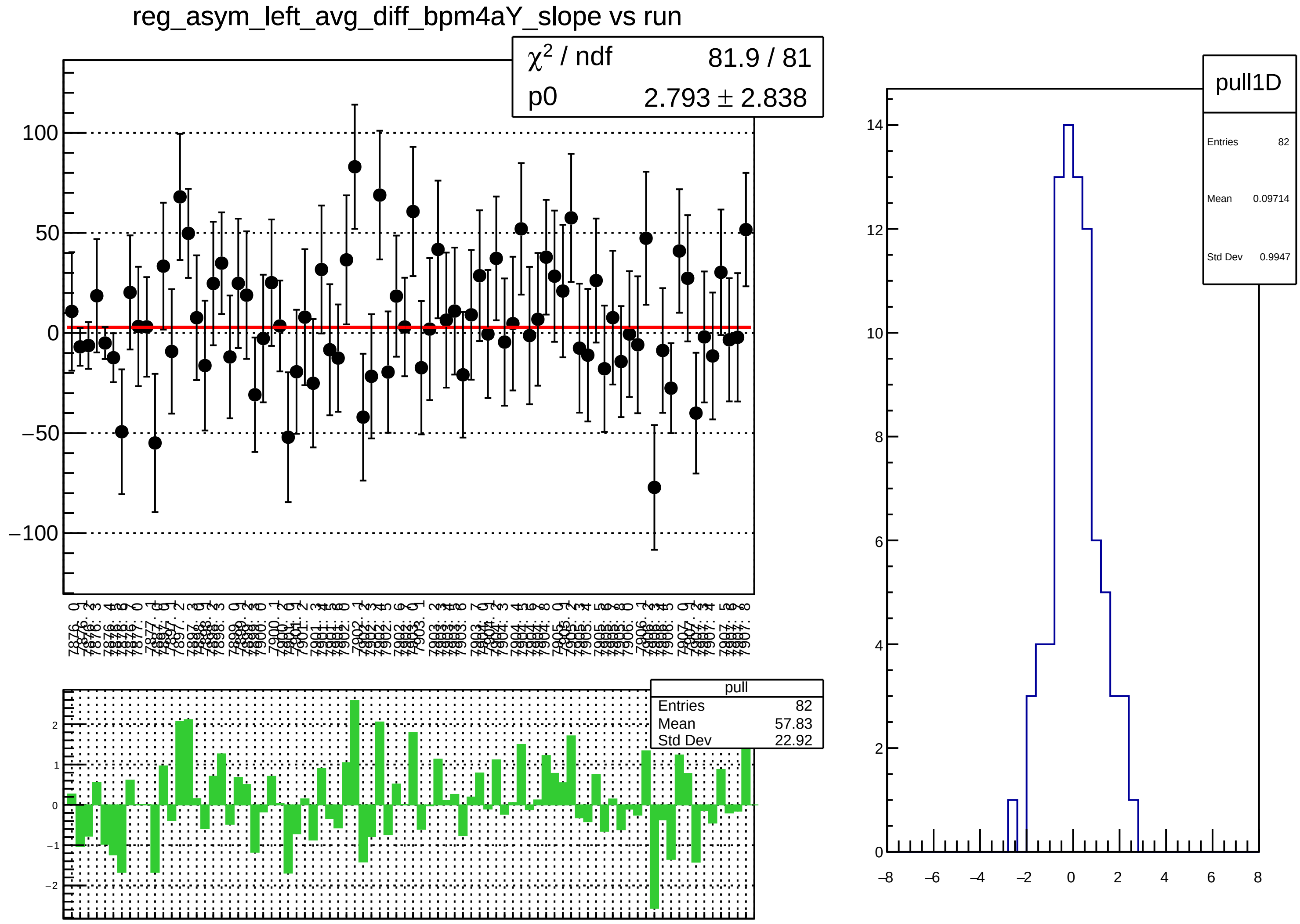
reg_asym_ds_dd_diff_bpm4eY_slope vs run
$\times10^3$
χ^2 / ndf 71.57 / 81
p0 1.1 ± 61.21
pull
Entries 82
Mean 98.53
Std Dev 52.07
pull1D
Entries 82
Mean 0.01602
Std Dev 0.9341



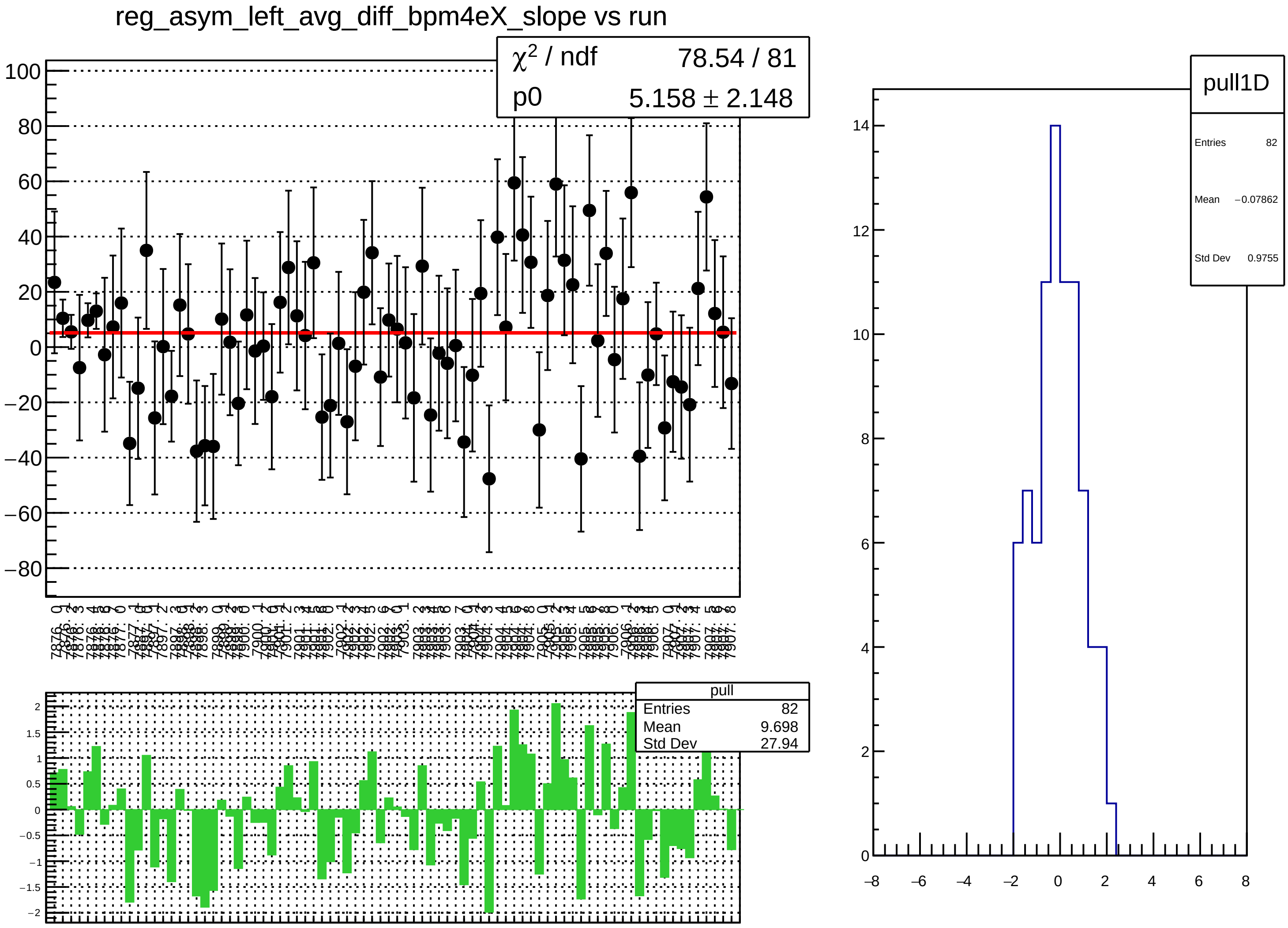
reg_asym_ds_dd_diff_bpm12X_slope vs run
χ2 / ndf 106.2 / 81
p0 −4.829 ± 2.158
pull
Entries 82
Mean 57.98
Std Dev 7.948
pull1D
Entries 82
Mean 0.1819
Std Dev 1.123

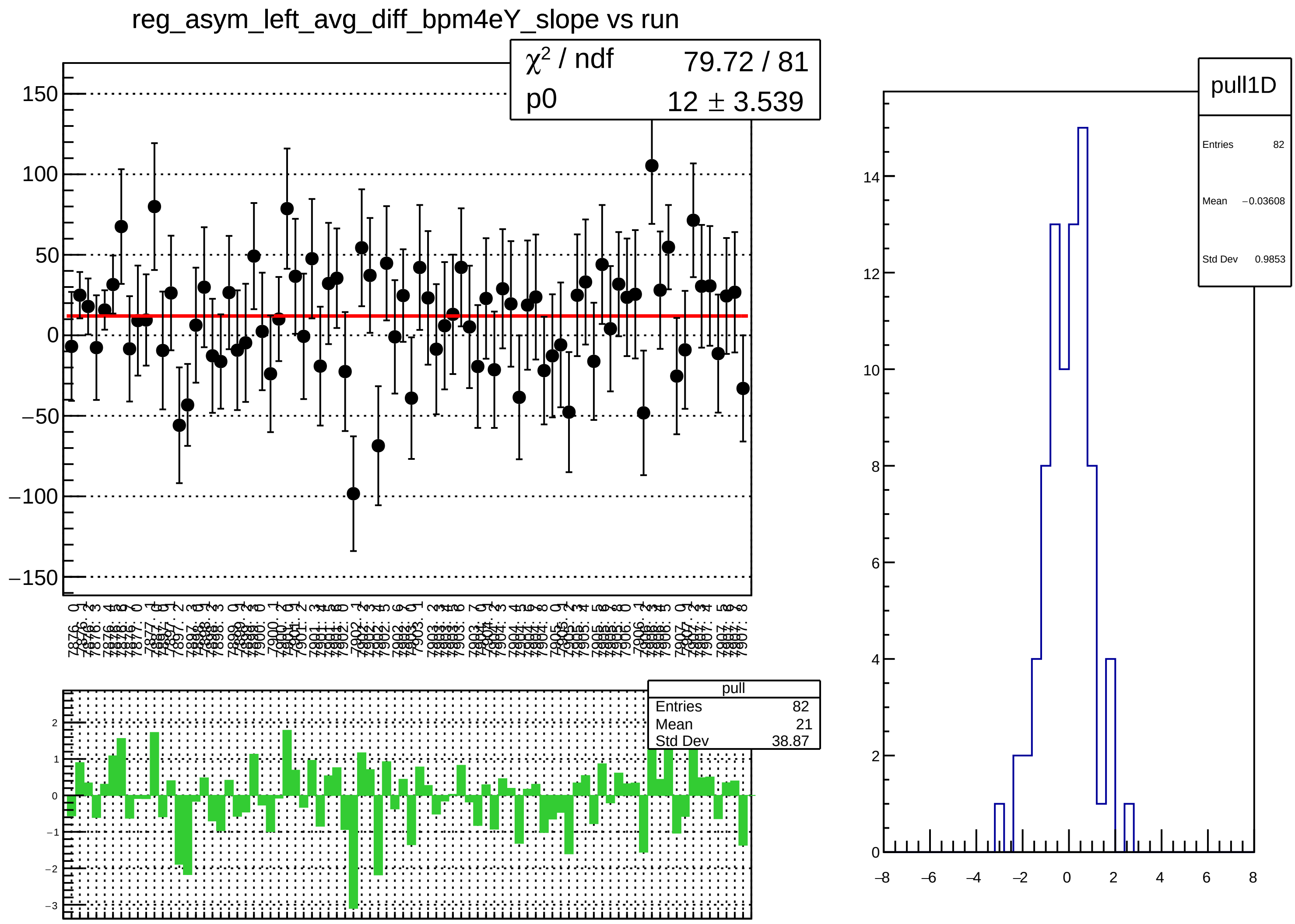


reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 75.46 / 81
p0 −38.48 ± 2.663
50
0
−50
−100
−150
pull
Entries 82
Mean −28.21
Std Dev 67.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.04135
Std Dev 0.9584
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

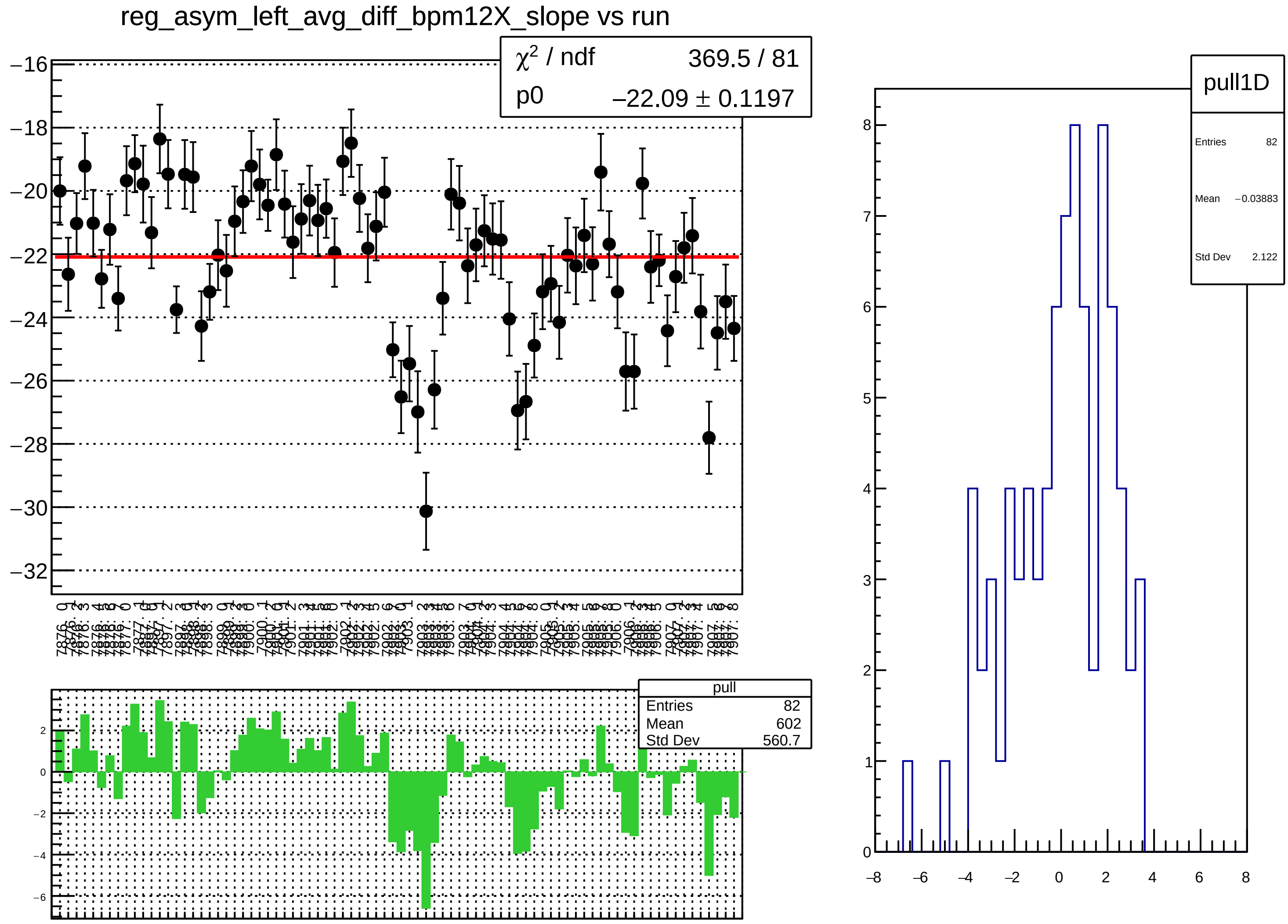


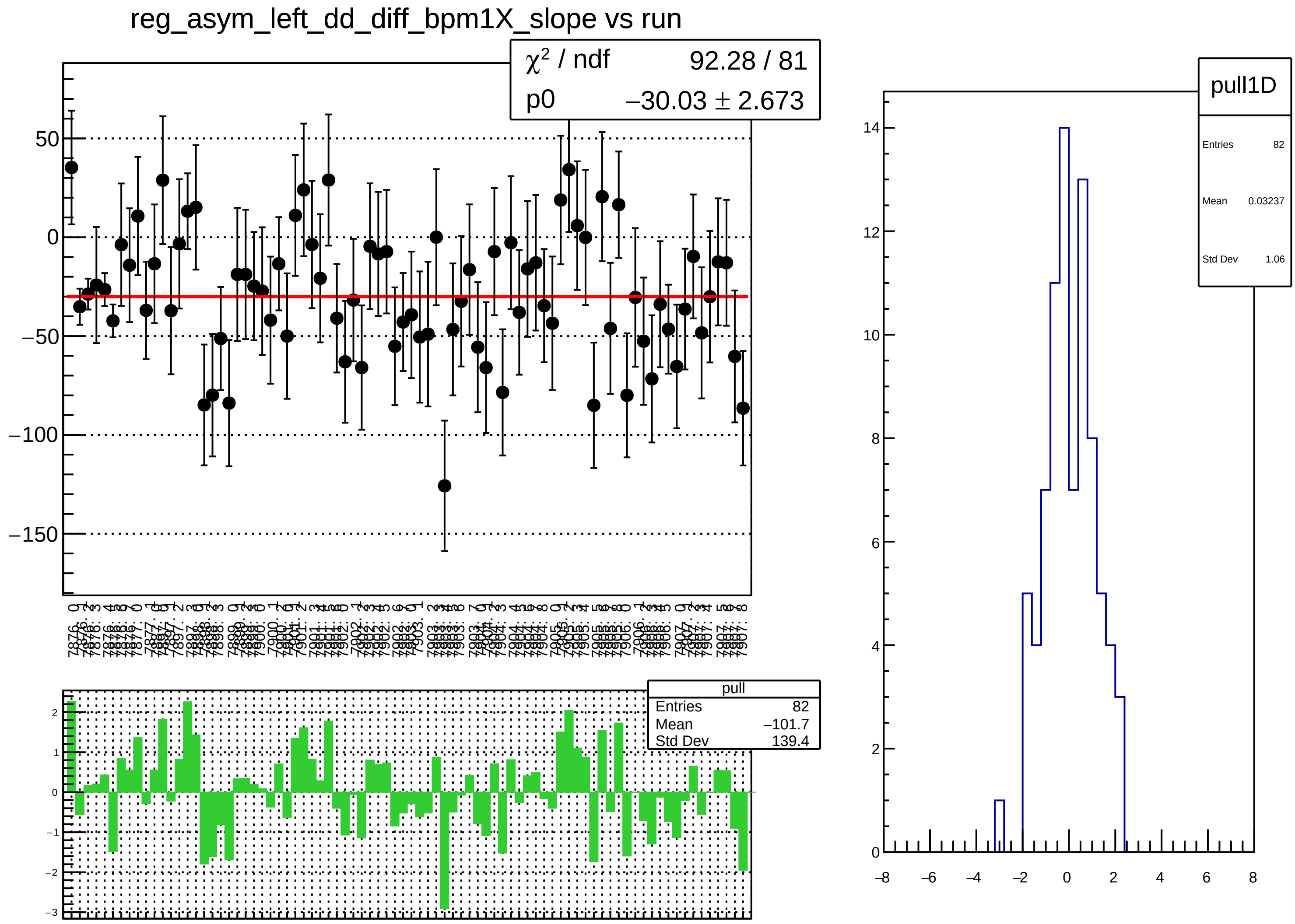
reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 81.9 / 81
p0 2.793 ± 2.838
pull
Entries 82
Mean 57.83
Std Dev 22.92
pull1D
Entries 82
Mean 0.09714
Std Dev 0.9947


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

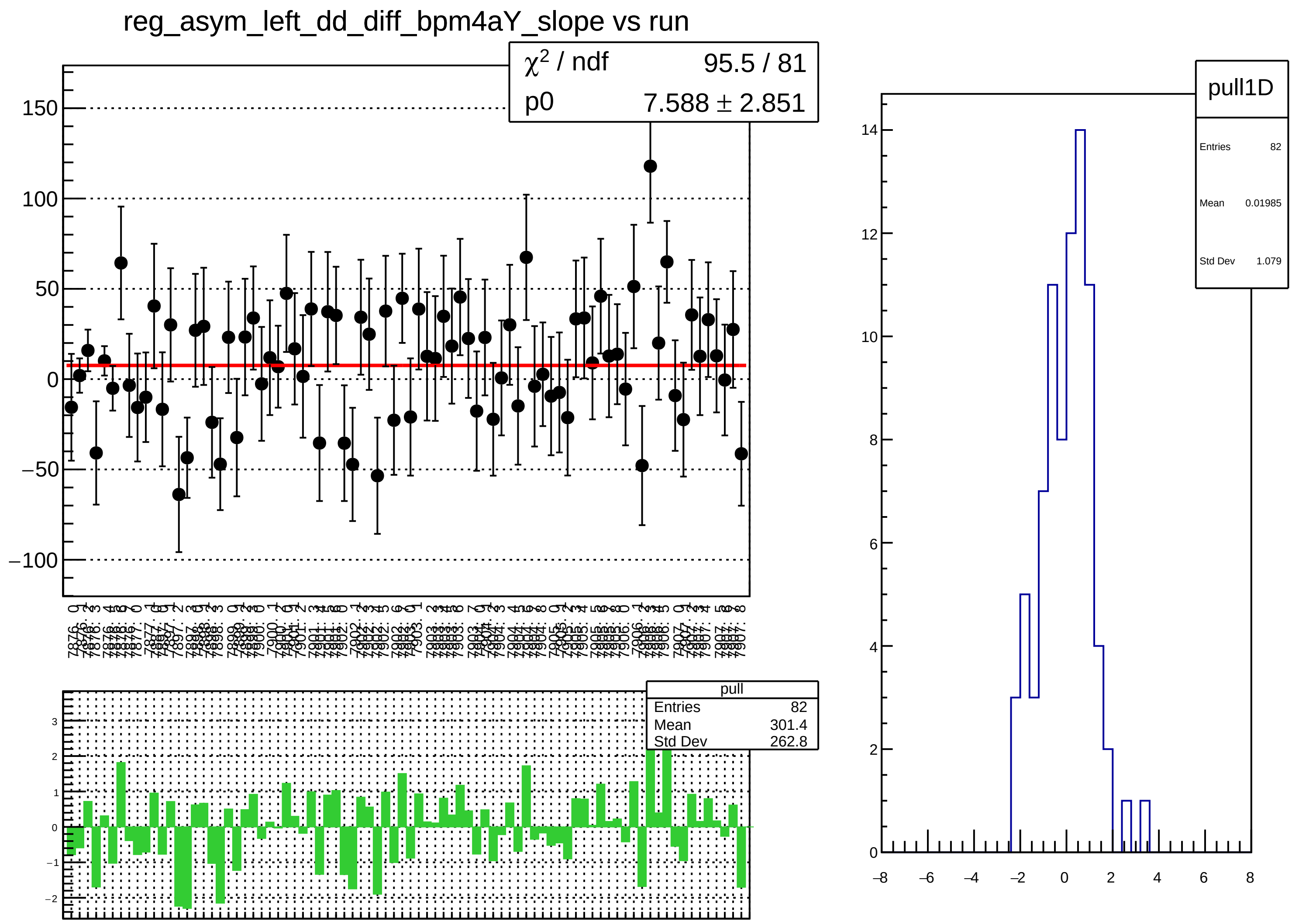


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ2 / ndf 79.72 / 81
p0 12 ± 3.539
pull
Entries 82
Mean 21
Std Dev 38.87
pull1D
Entries 82
Mean −0.03608
Std Dev 0.9853

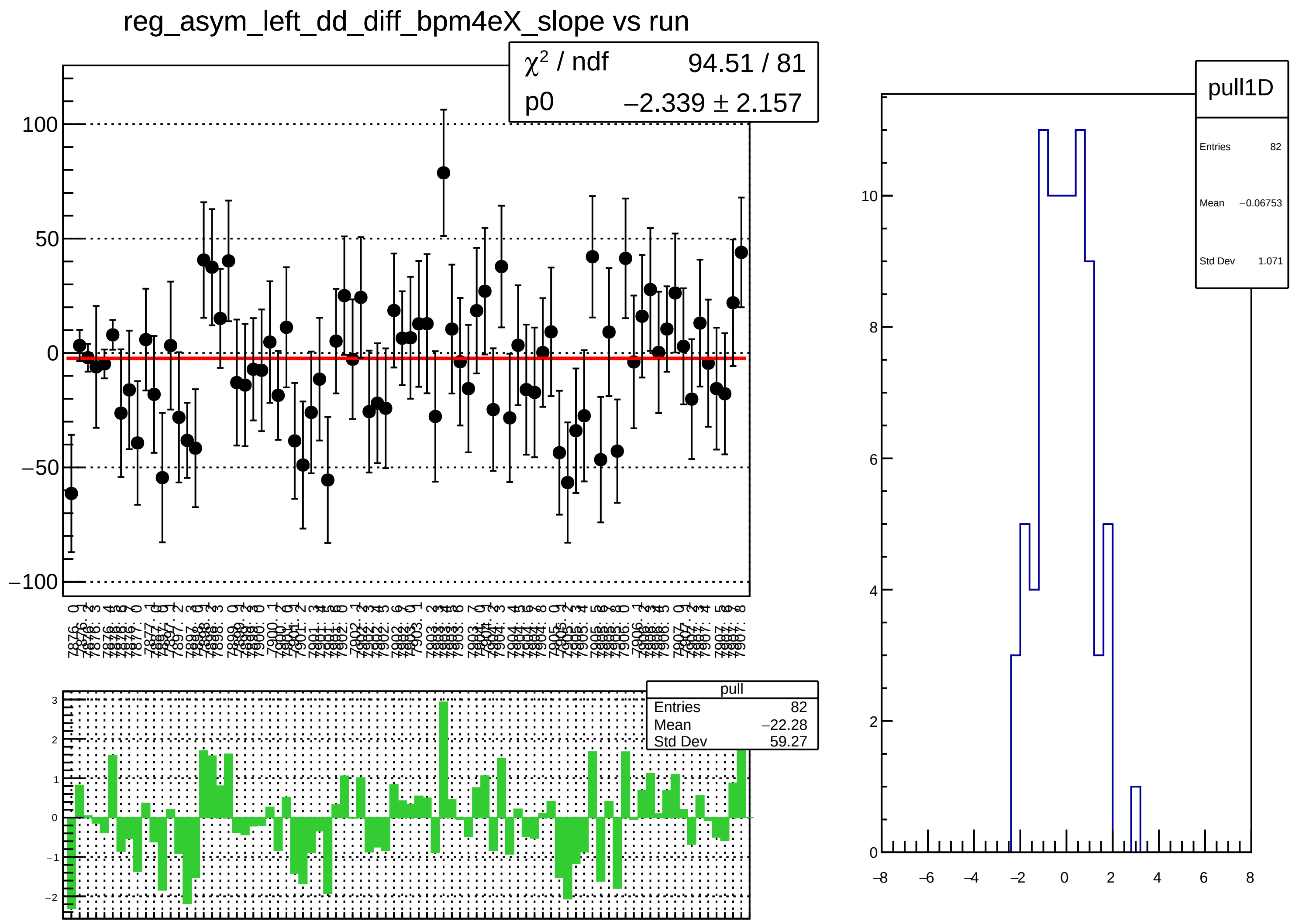

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 369.5 / 81
p0 −22.09 ± 0.1197
−16
−18
−20
−22
−24
−26
−28
−30
−32
pull
Entries 82
Mean 602
Std Dev 560.7
2
0
−2
−4
−6
pull1D
Entries 82
Mean −0.03883
Std Dev 2.122
8
7
6
5
4
3
2
1
0
−8 −6 −4 −2 0 2 4 6 8



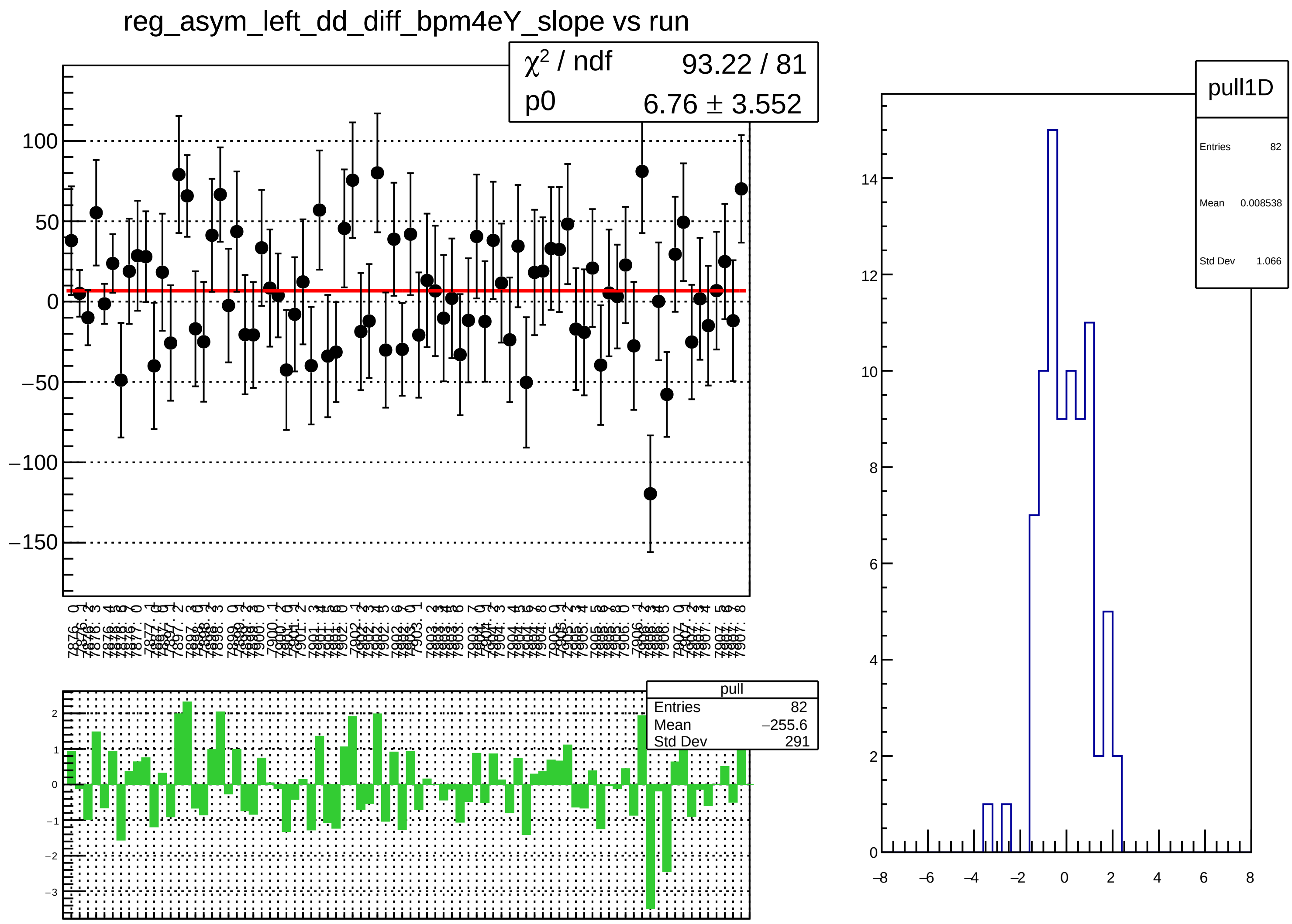
reg_asym_left_dd_diff_bpm1X_slope vs run
χ2 / ndf 92.28 / 81
p0 −30.03 ± 2.673
pull
Entries 82
Mean −101.7
Std Dev 139.4
pull1D
Entries 82
Mean 0.03237
Std Dev 1.06



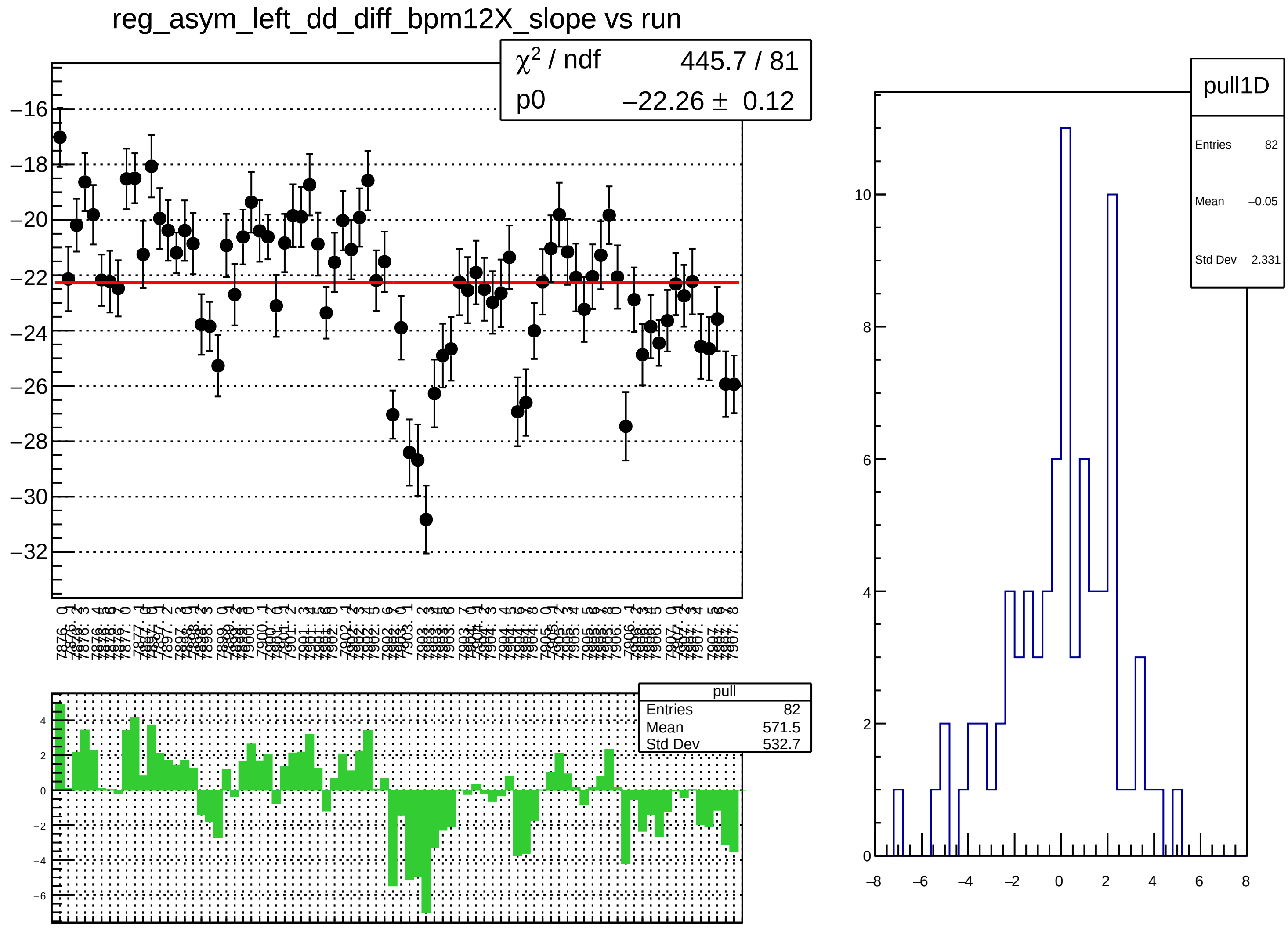
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 95.5 / 81
p0 7.588 ± 2.851
pull
Entries 82
Mean 301.4
Std Dev 262.8
pull1D
Entries 82
Mean 0.01985
Std Dev 1.079



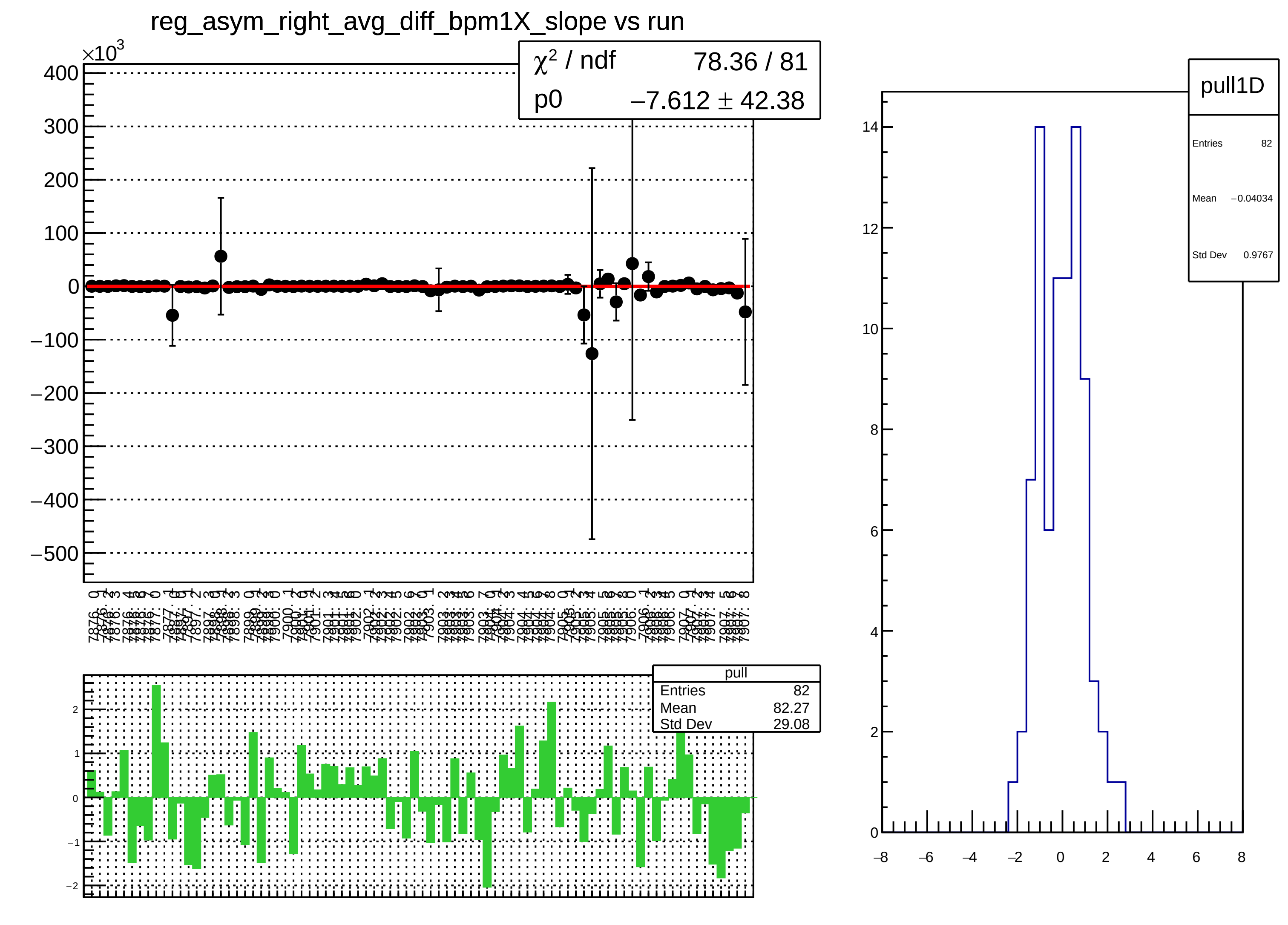
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 94.51 / 81
p0 −2.339 ± 2.157
100
50
0
−50
−100
pull
Entries 82
Mean −22.28
Std Dev 59.27
pull1D
Entries 82
Mean −0.06753
Std Dev 1.071



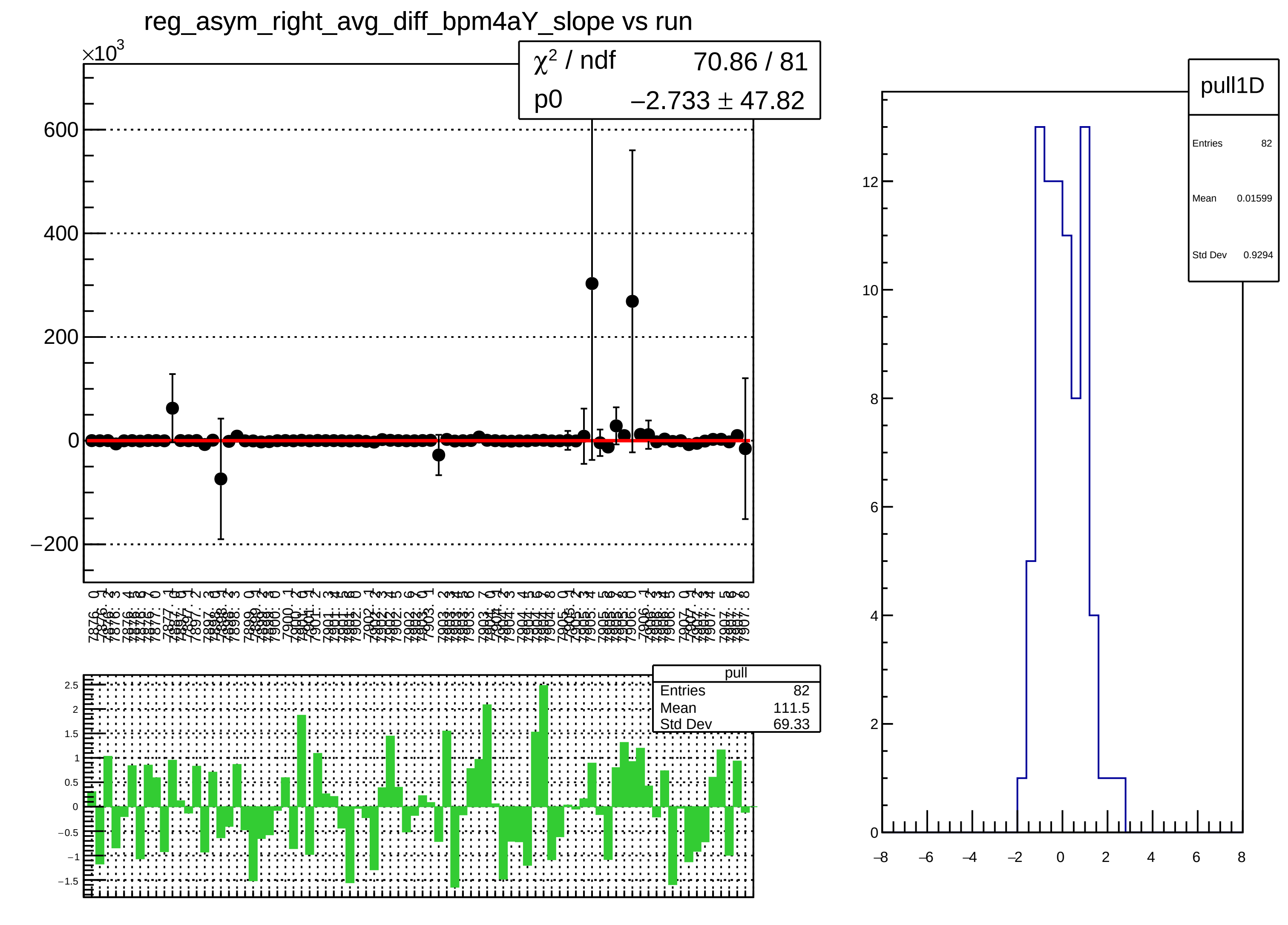
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 93.22 / 81
p0 6.76 ± 3.552
pull
Entries 82
Mean −255.6
Std Dev 291
pull1D
Entries 82
Mean 0.008538
Std Dev 1.066

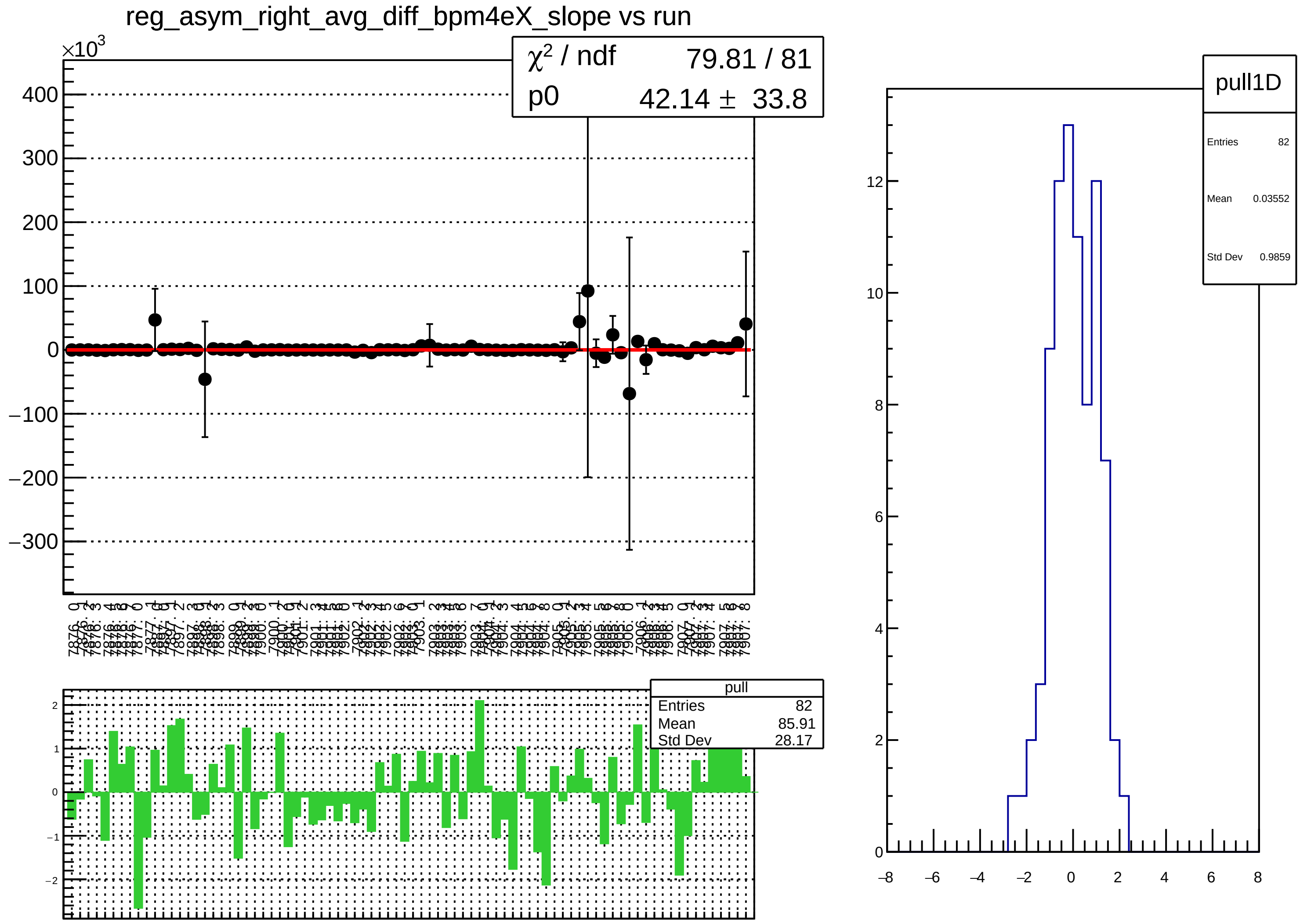


reg_asym_left_dd_diff_bpm12X_slope vs run
χ2 / ndf 445.7 / 81
p0 −22.26 ± 0.12
−16
−18
−20
−22
−24
−26
−28
−30
−32
pull
Entries 82
Mean 571.5
Std Dev 532.7
4
2
0
−2
−4
−6
pull1D
Entries 82
Mean −0.05
Std Dev 2.331
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

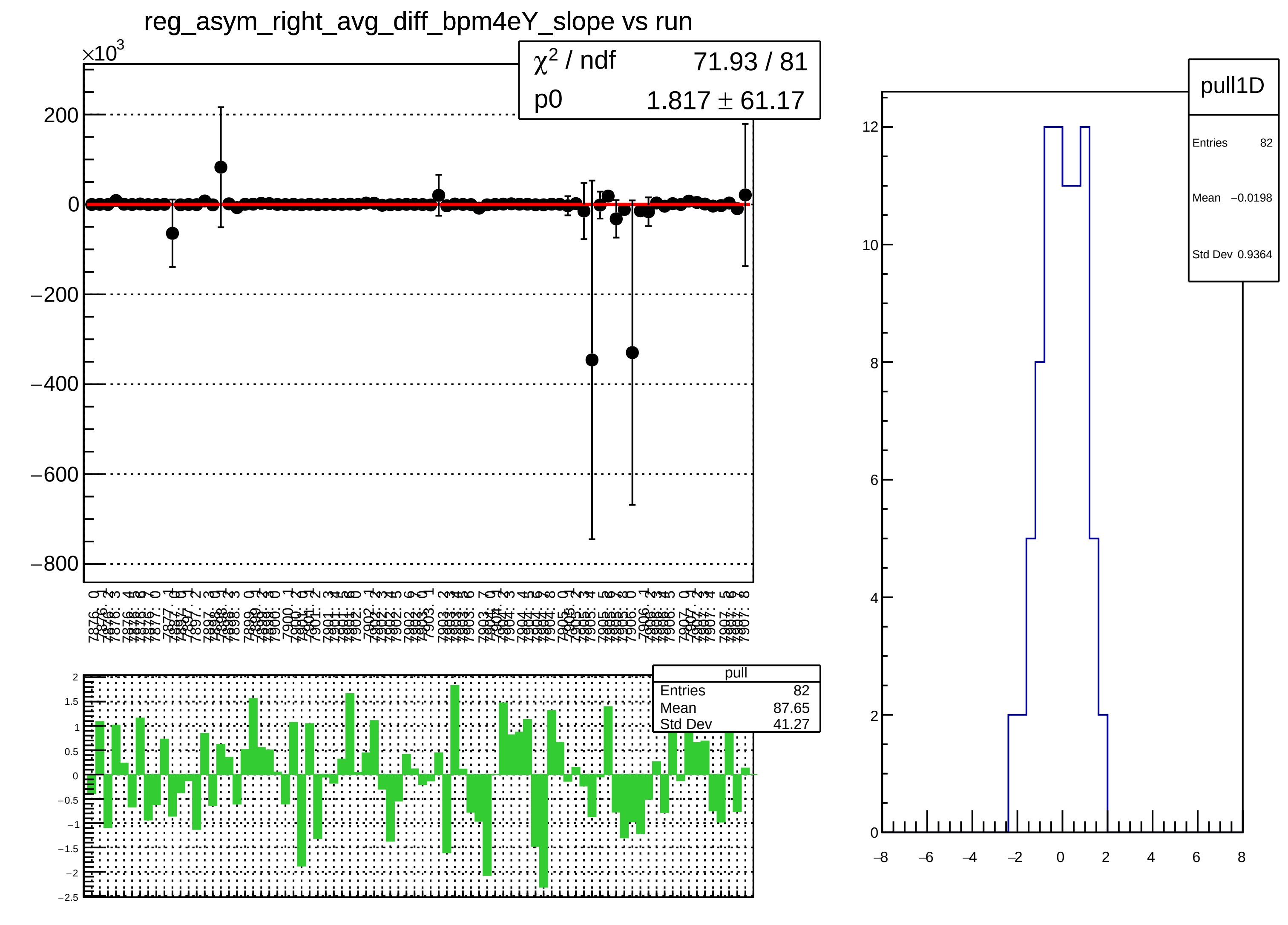


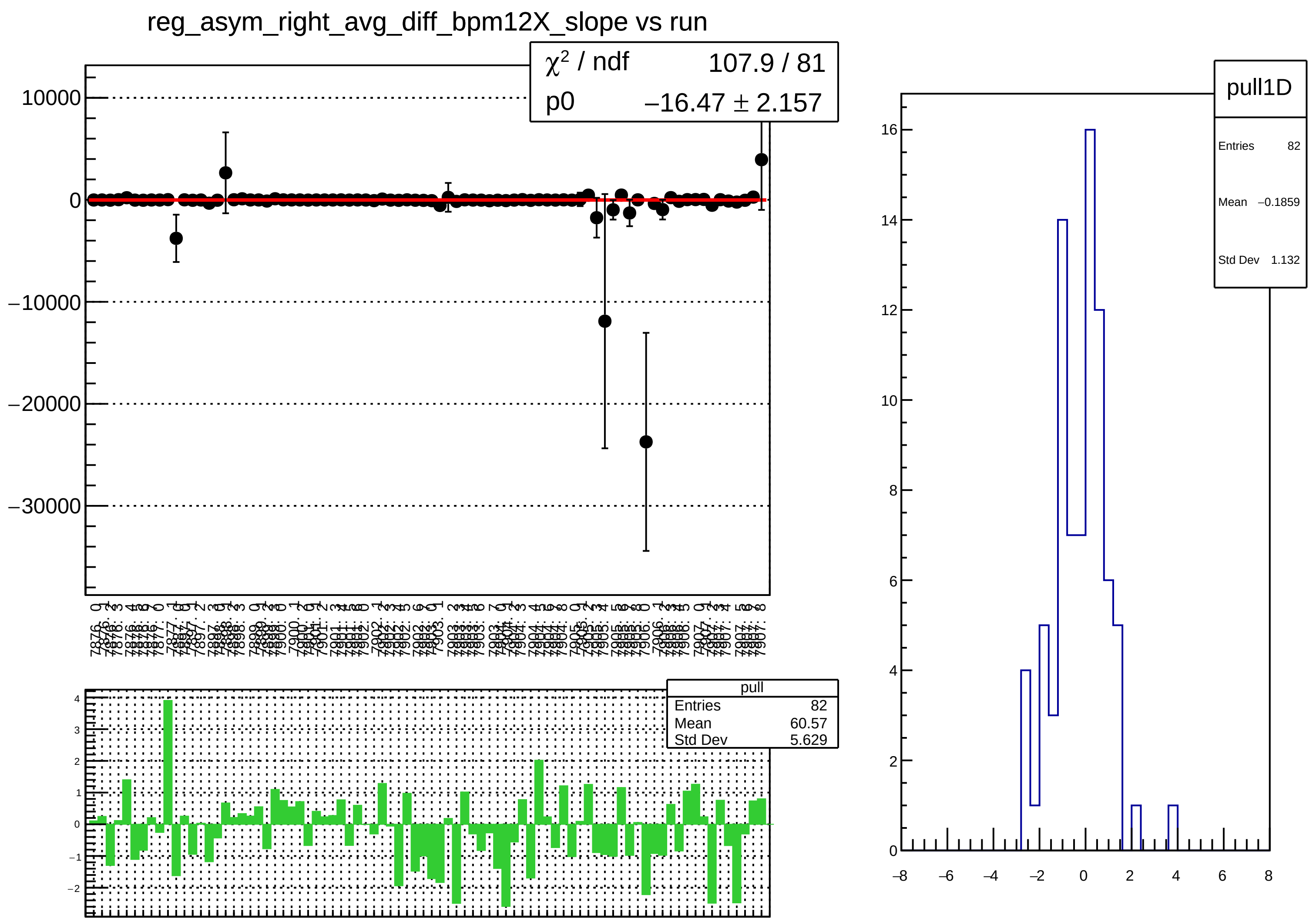
reg_asym_right_avg_diff_bpm1X_slope vs run
χ2 / ndf 78.36 / 81
p0 −7.612 ± 42.38
×10^3
pull
Entries 82
Mean 82.27
Std Dev 29.08
pull1D
Entries 82
Mean −0.04034
Std Dev 0.9767

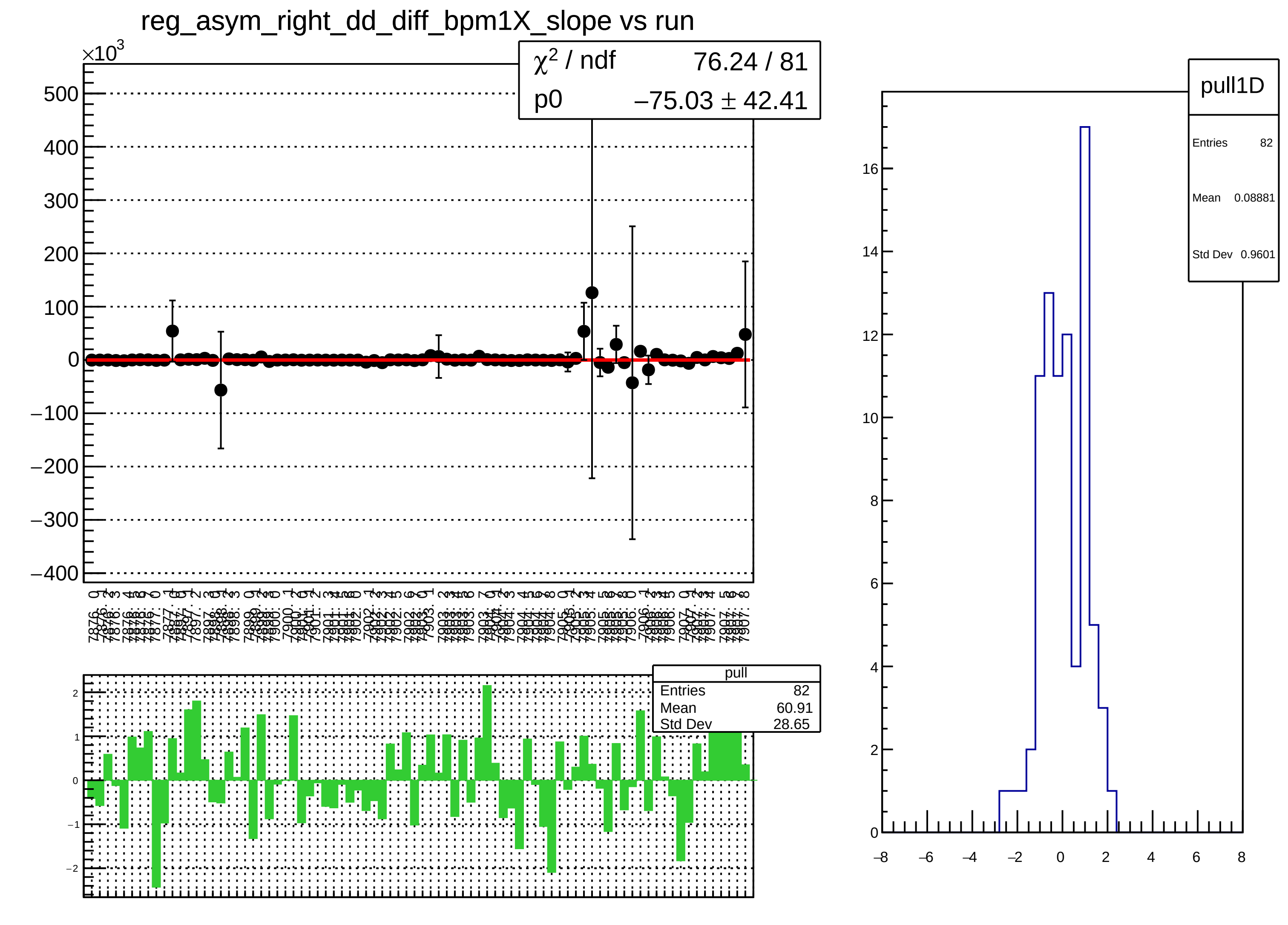

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 70.86 / 81
p0 −2.733 ± 47.82
600
400
200
0
−200
pull
Entries 82
Mean 111.5
Std Dev 69.33
pull1D
Entries 82
Mean 0.01599
Std Dev 0.9294



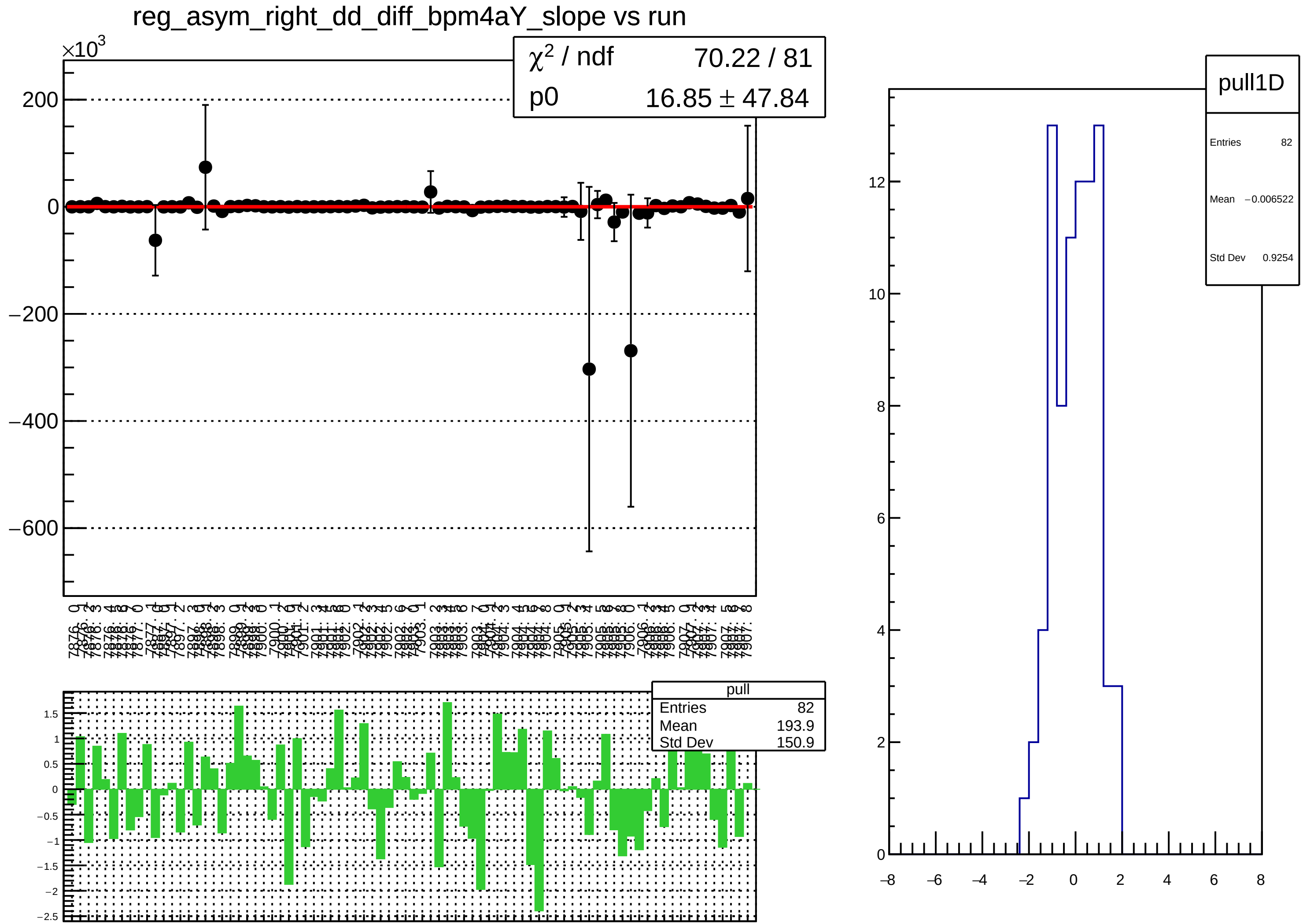
reg_asym_right_avg_diff_bpm4eX_slope vs run
$\times10^{3}$
χ^2 / ndf 79.81 / 81
p0 42.14 ± 33.8
pull
Entries 82
Mean 85.91
Std Dev 28.17
pull1D
Entries 82
Mean 0.03552
Std Dev 0.9859


reg_asym_right_avg_diff_bpm4eY_slope vs run
$\times10^3$
χ^2 / 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

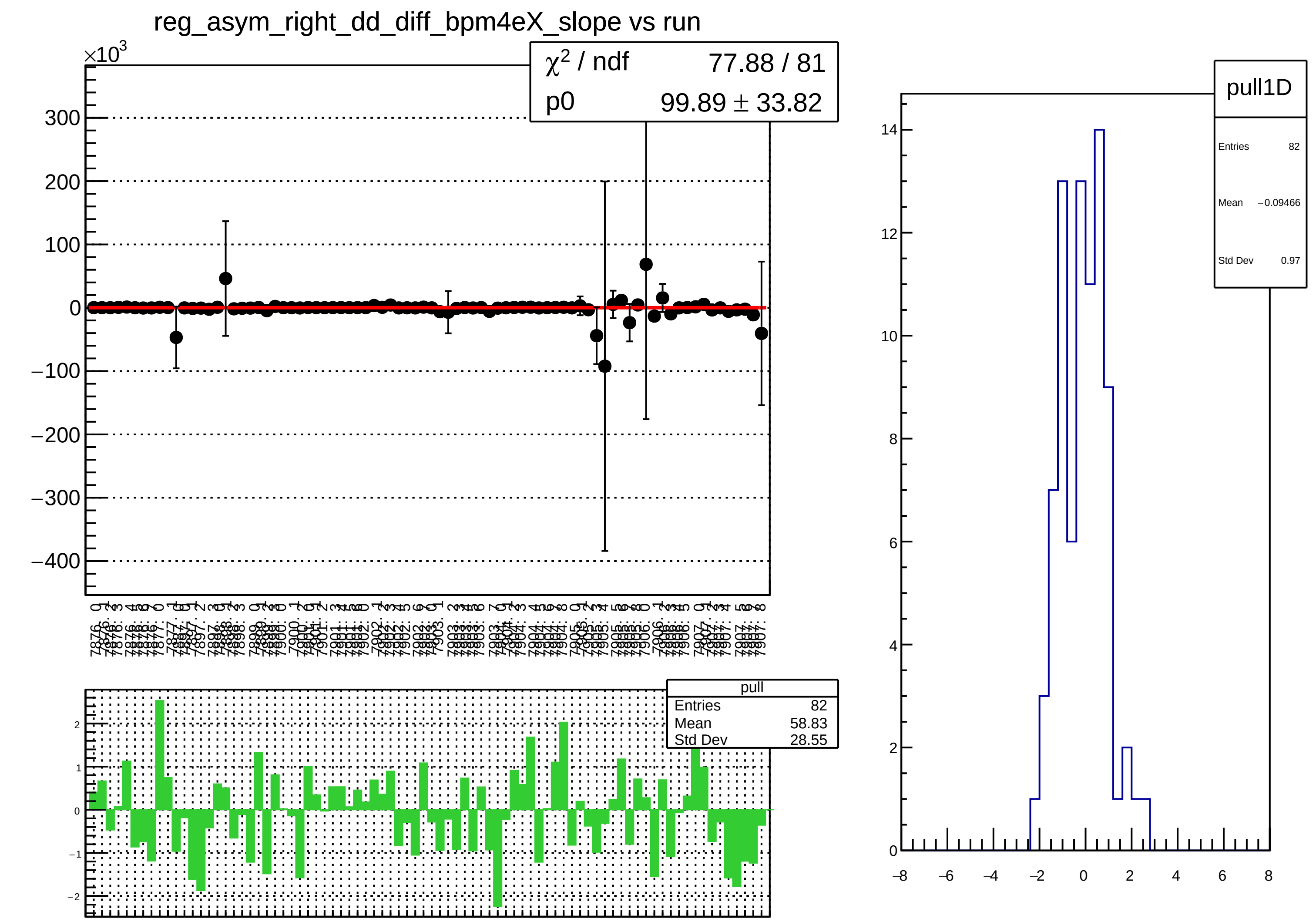

reg_asym_right_avg_diff_bpm12X_slope vs run
χ2 / ndf 107.9 / 81
p0 −16.47 ± 2.157
pull
Entries 82
Mean 60.57
Std Dev 5.629
pull1D
Entries 82
Mean −0.1859
Std Dev 1.132



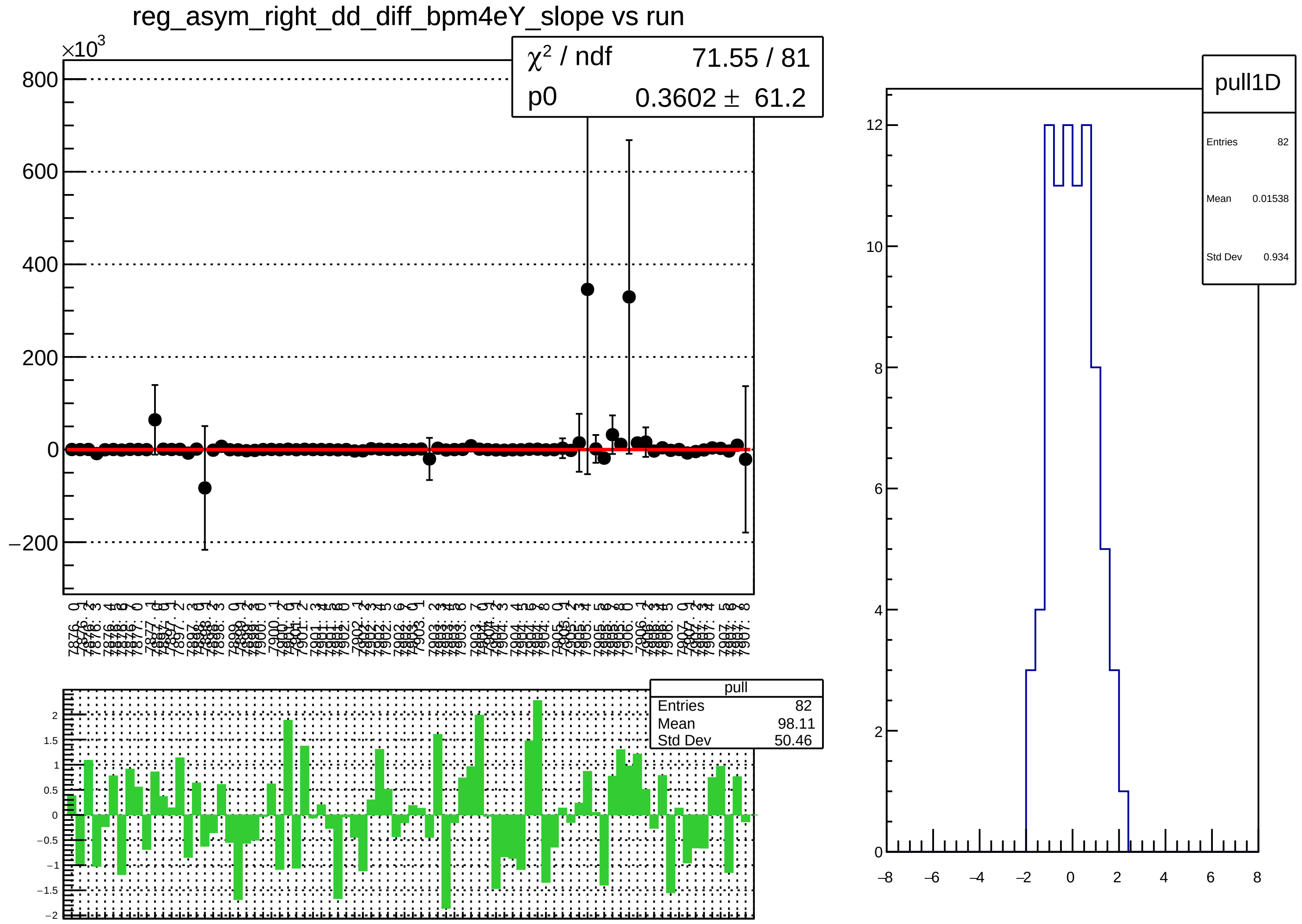
reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 76.24 / 81
p0 −75.03 ± 42.41
pull
Entries 82
Mean 60.91
Std Dev 28.65
pull1D
Entries 82
Mean 0.08881
Std Dev 0.9601

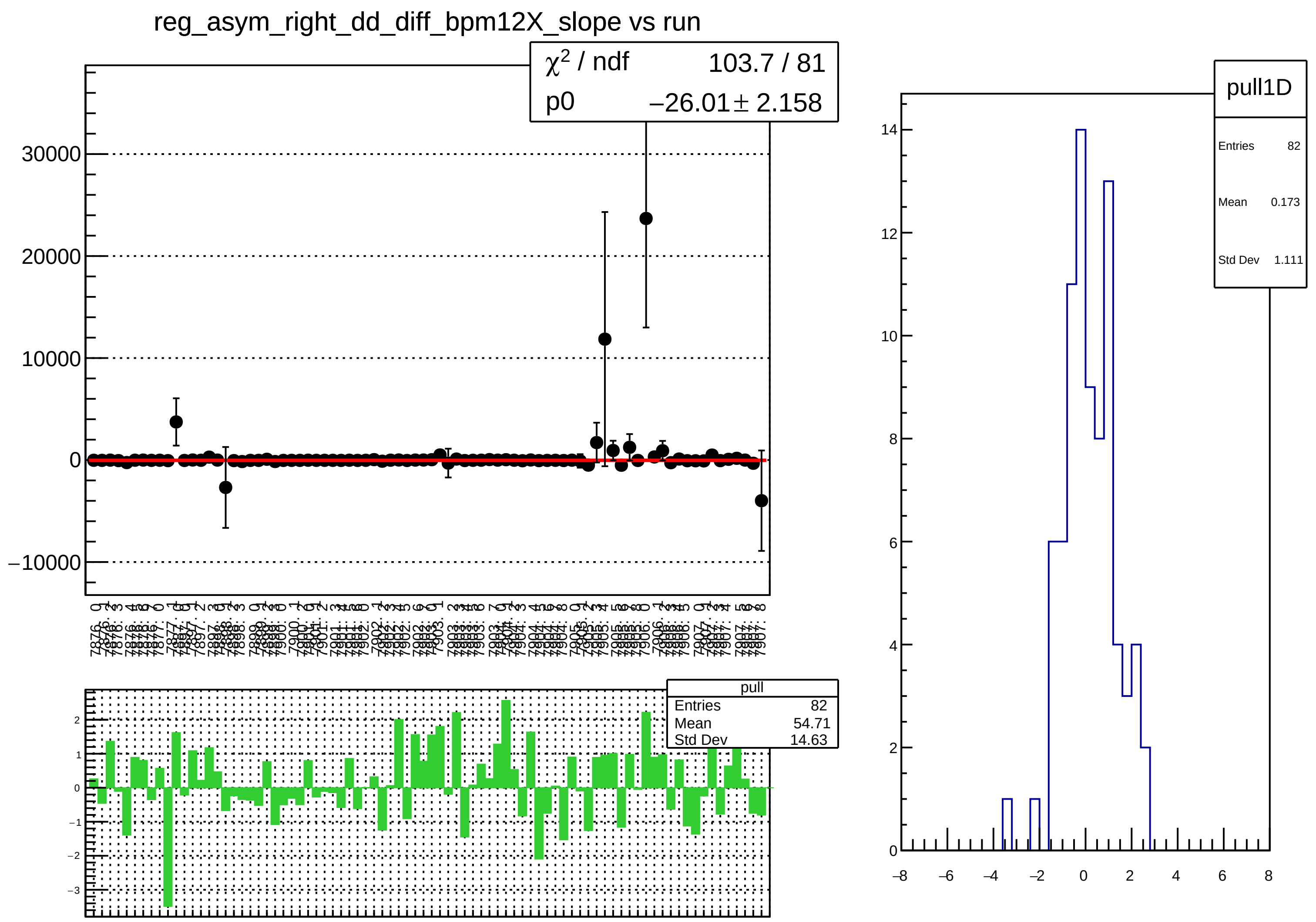


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 70.22 / 81
p0 16.85 ± 47.84
pull
Entries 82
Mean 193.9
Std Dev 150.9
pull1D
Entries 82
Mean −0.006522
Std Dev 0.9254

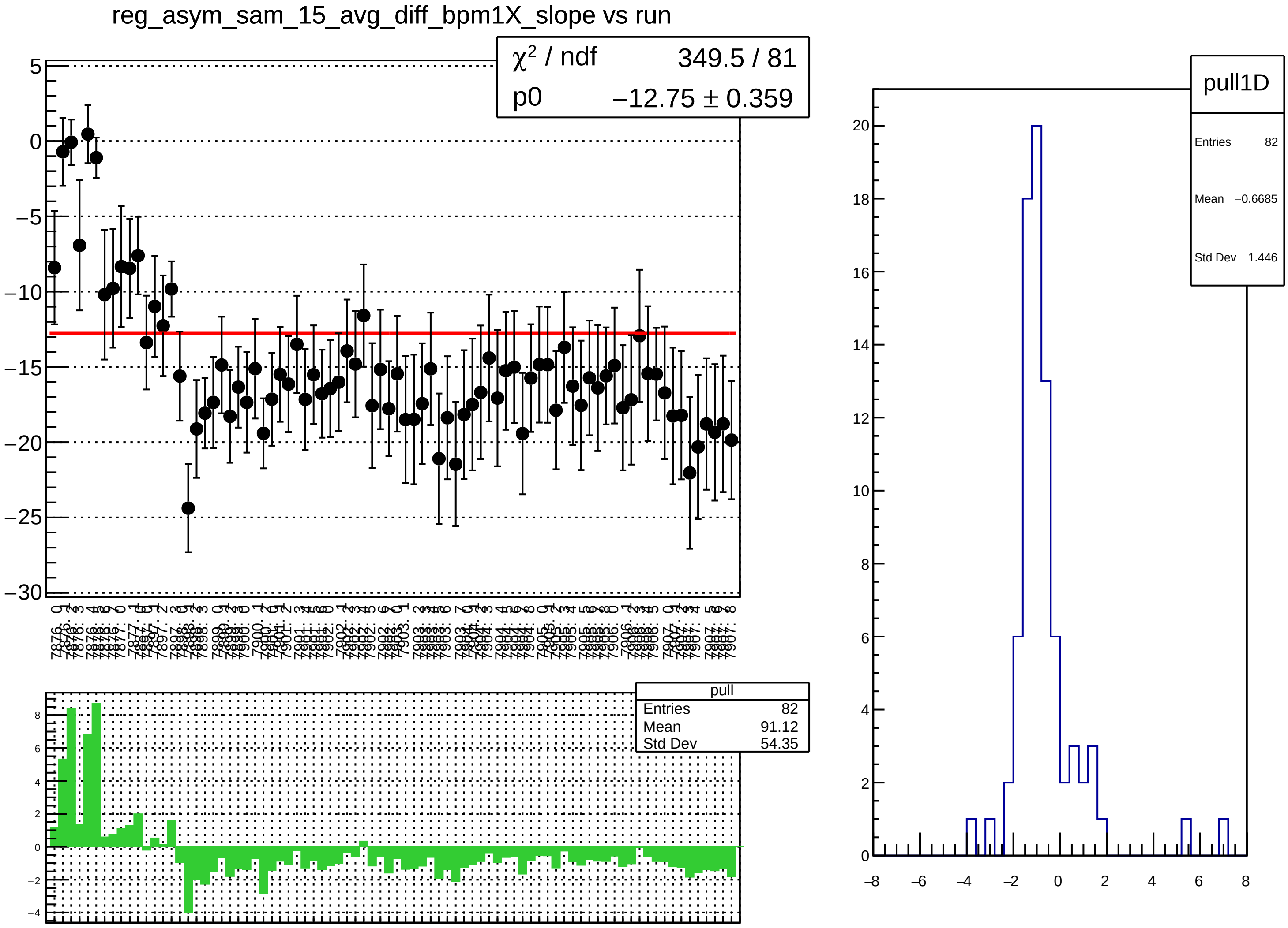


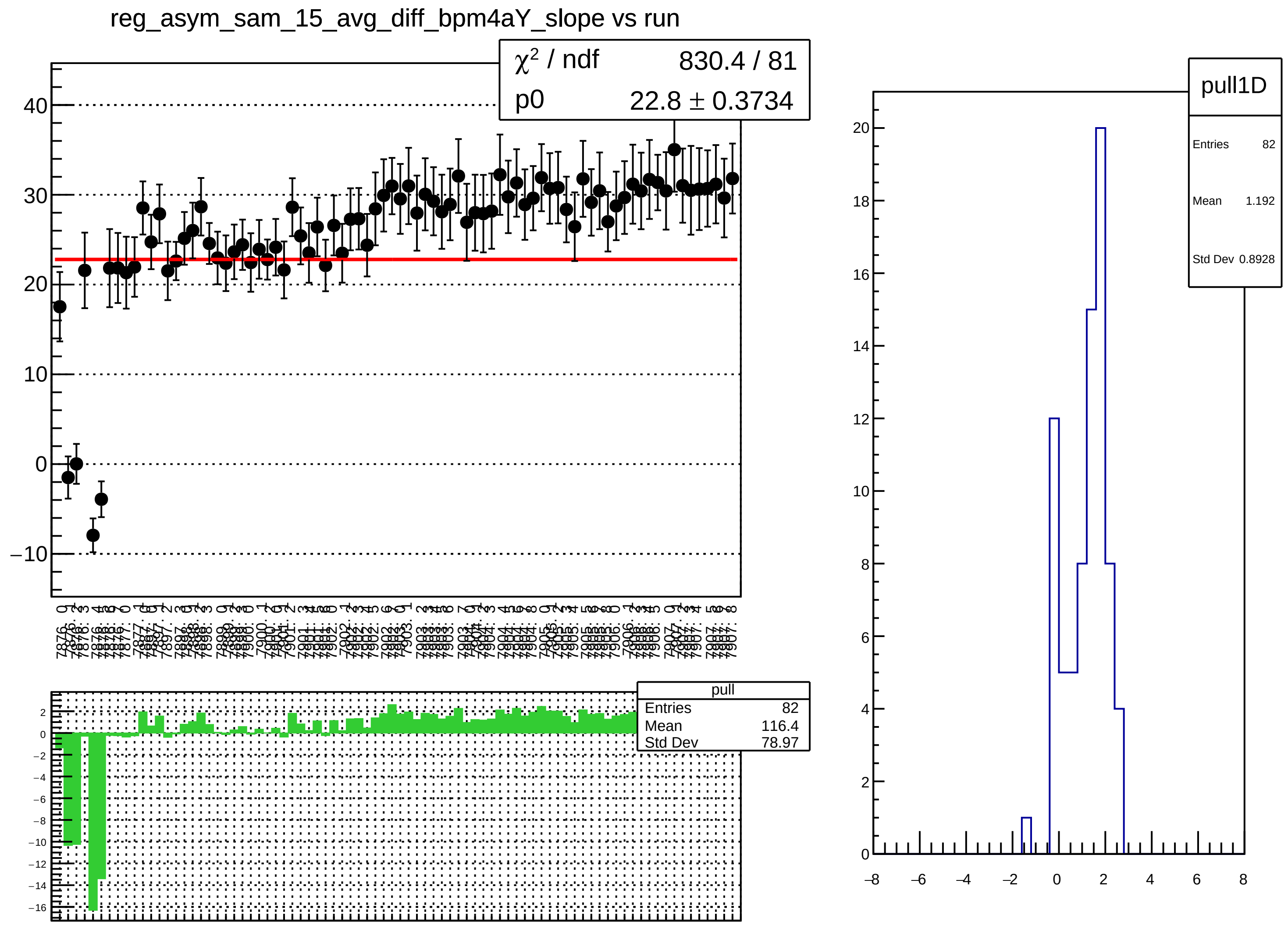
reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 77.88 / 81
p0 99.89 ± 33.82
pull
Entries 82
Mean 58.83
Std Dev 28.55
pull1D
Entries 82
Mean −0.09466
Std Dev 0.97

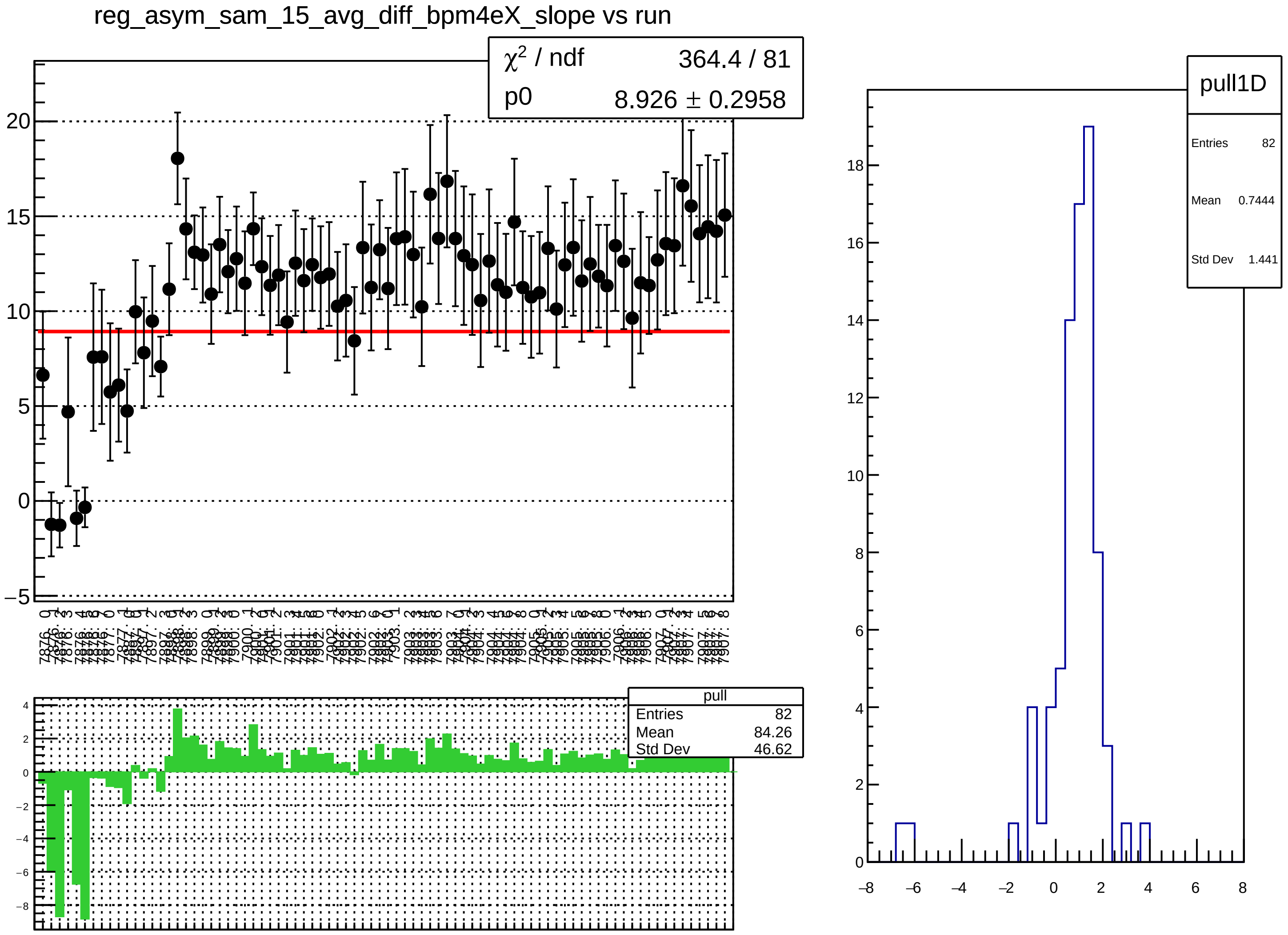

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ2 / ndf 71.55 / 81
p0 0.3602 ± 61.2
×10^3
pull
Entries 82
Mean 98.11
Std Dev 50.46
pull1D
Entries 82
Mean 0.01538
Std Dev 0.934



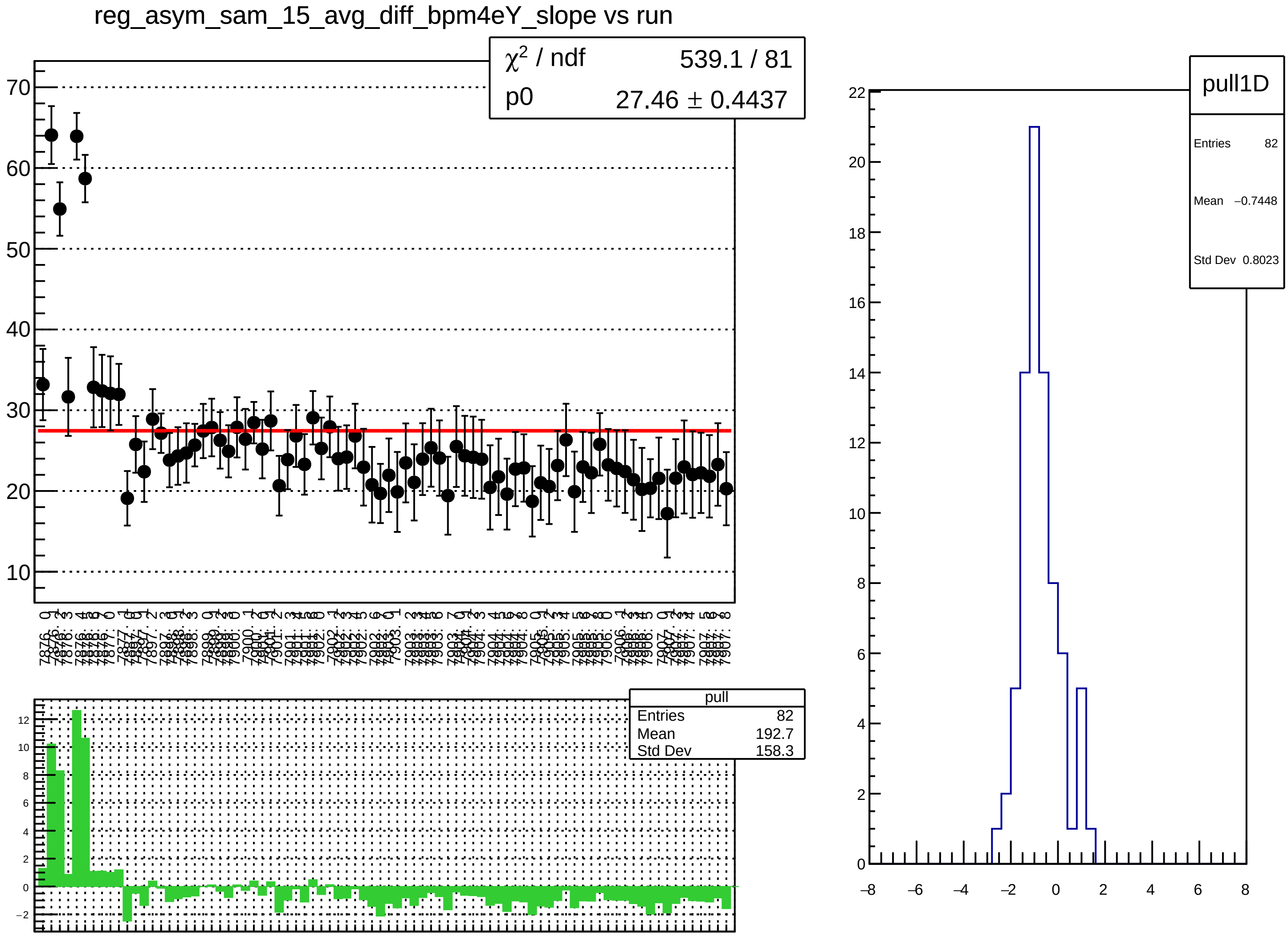
reg_asym_right_dd_diff_bpm12X_slope vs run
χ2 / ndf 103.7 / 81
p0 −26.01 ± 2.158
pull
Entries 82
Mean 54.71
Std Dev 14.63
pull1D
Entries 82
Mean 0.173
Std Dev 1.111


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

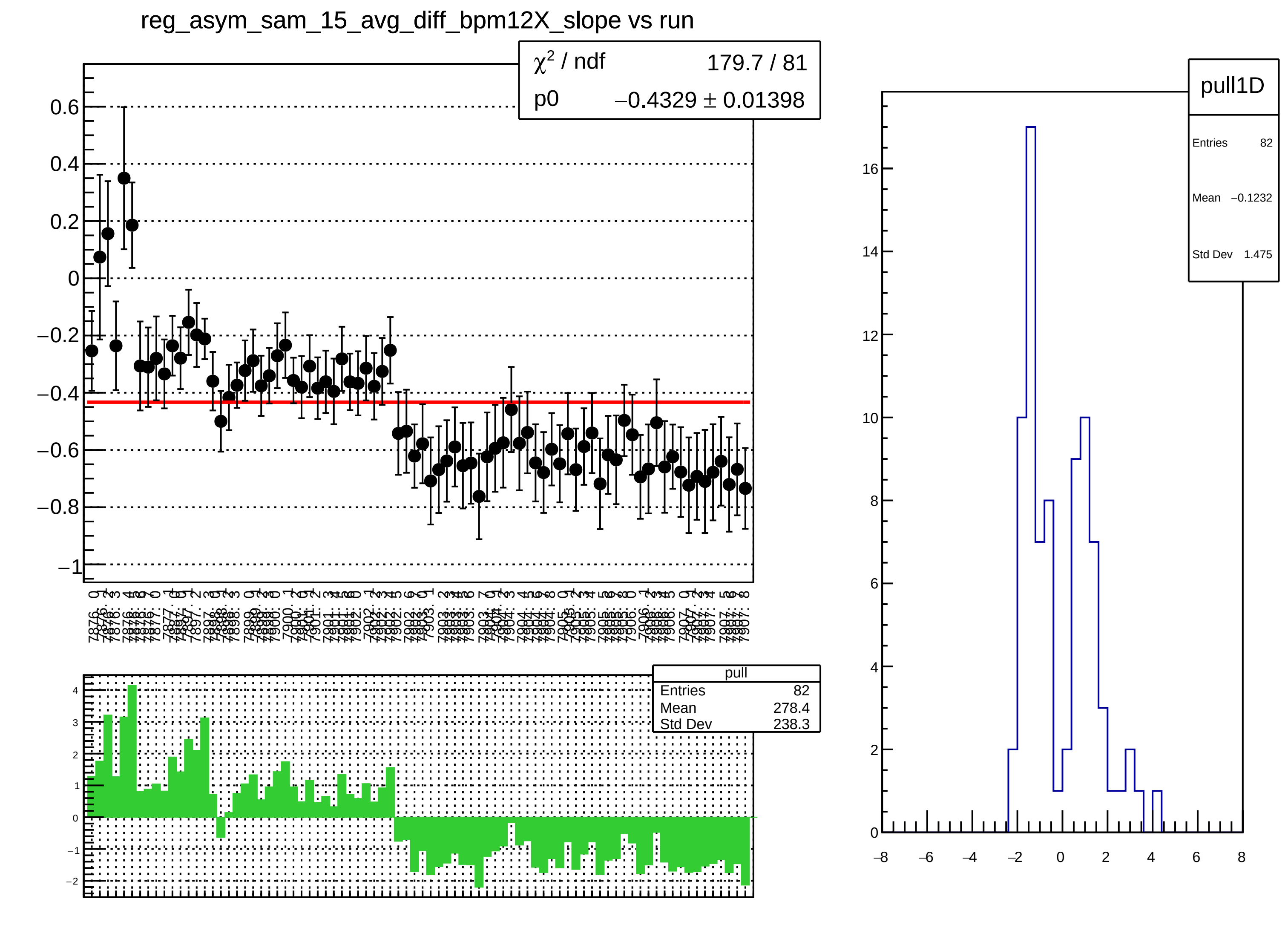

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ2 / ndf 830.4 / 81
p0 22.8 ± 0.3734
pull
Entries 82
Mean 116.4
Std Dev 78.97
pull1D
Entries 82
Mean 1.192
Std Dev 0.8928



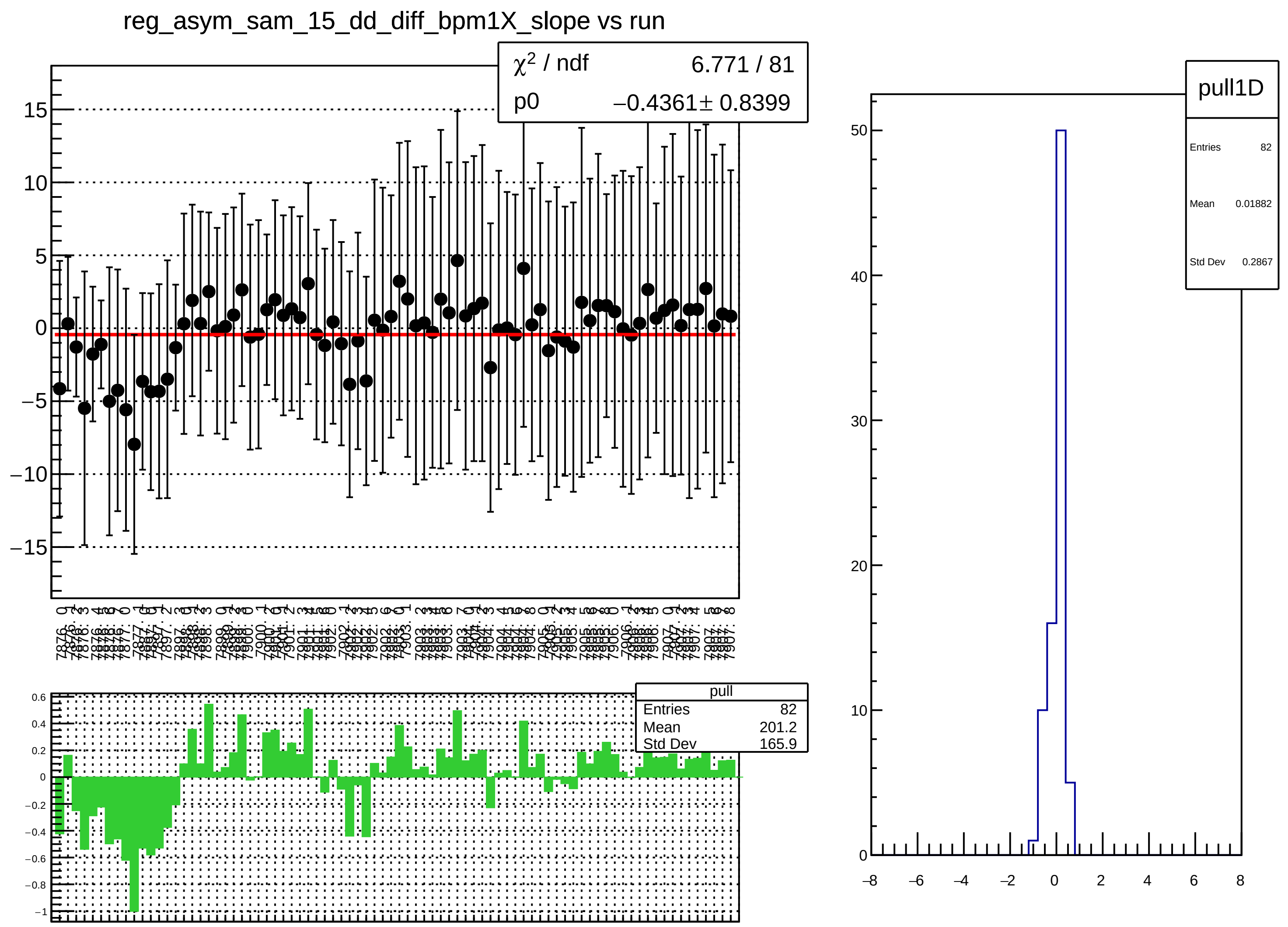
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ2 / ndf 364.4 / 81
p0 8.926 ± 0.2958
pull
Entries 82
Mean 84.26
Std Dev 46.62
pull1D
Entries 82
Mean 0.7444
Std Dev 1.441



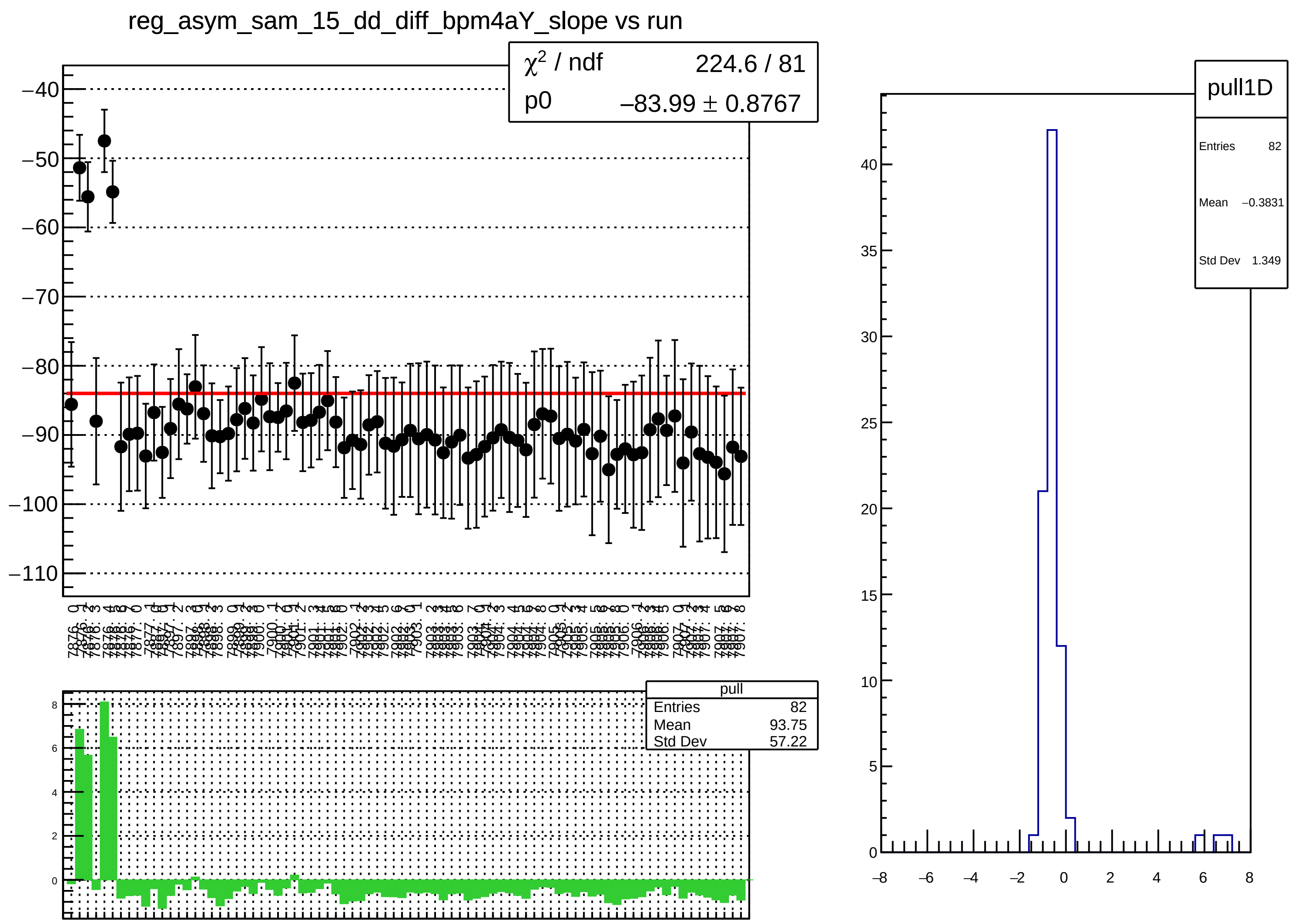
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 539.1 / 81
p0 27.46 ± 0.4437
pull
Entries 82
Mean 192.7
Std Dev 158.3
pull1D
Entries 82
Mean −0.7448
Std Dev 0.8023



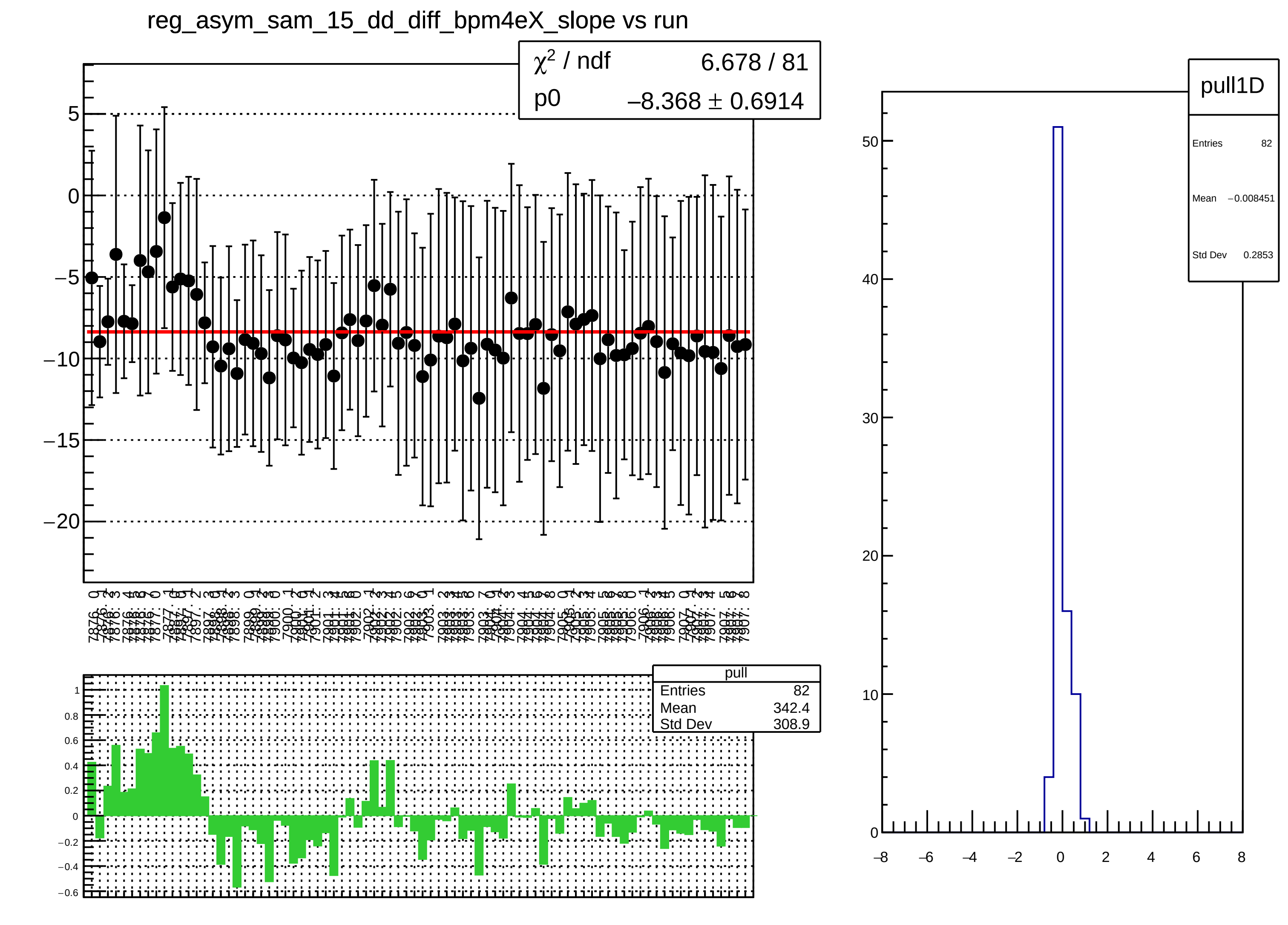
reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 179.7 / 81
p0 −0.4329 ± 0.01398
pull
Entries 82
Mean 278.4
Std Dev 238.3
pull1D
Entries 82
Mean −0.1232
Std Dev 1.475



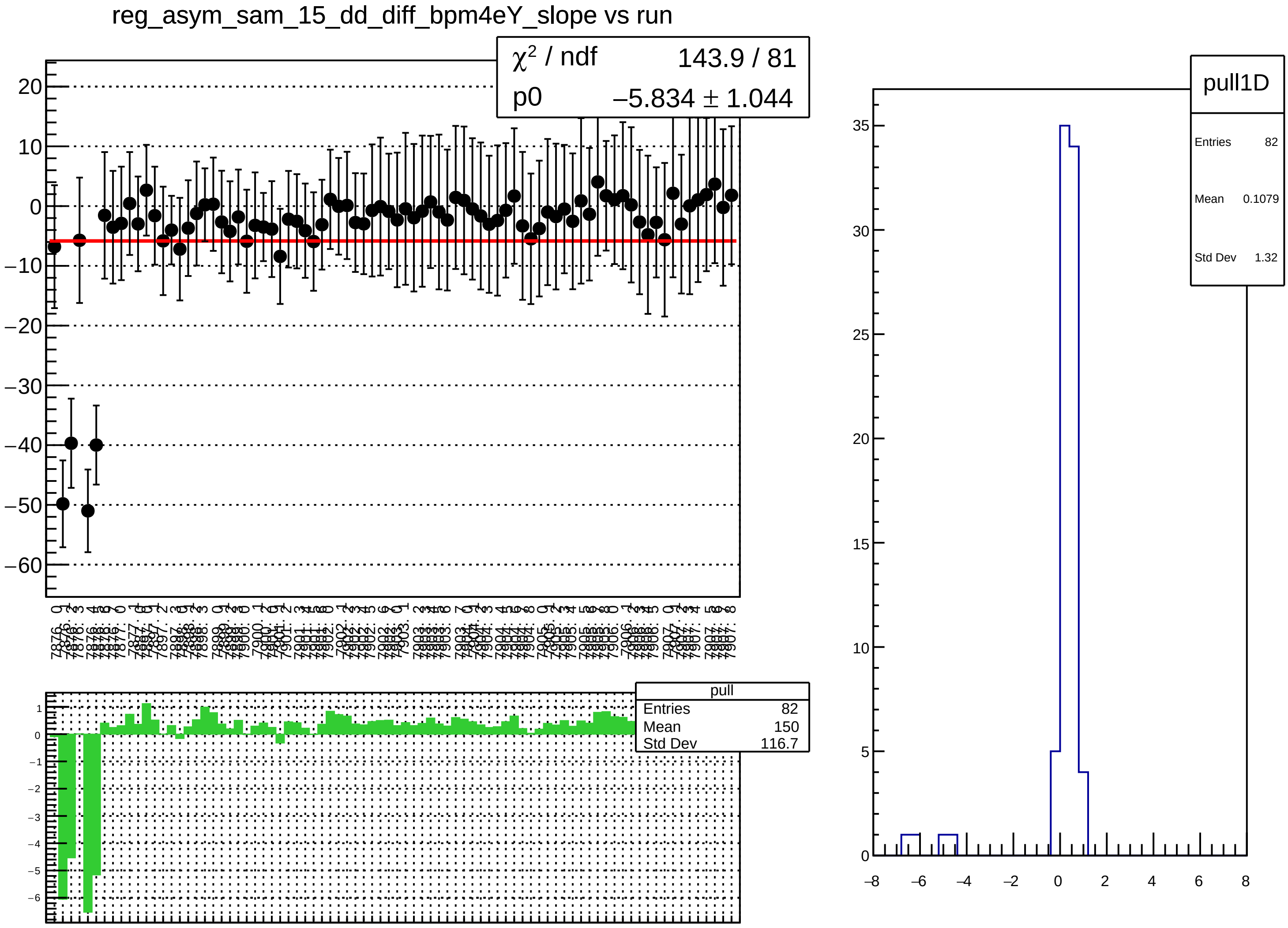
reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ2 / ndf 6.771 / 81
p0 −0.4361± 0.8399
pull
Entries 82
Mean 201.2
Std Dev 165.9
pull1D
Entries 82
Mean 0.01882
Std Dev 0.2867



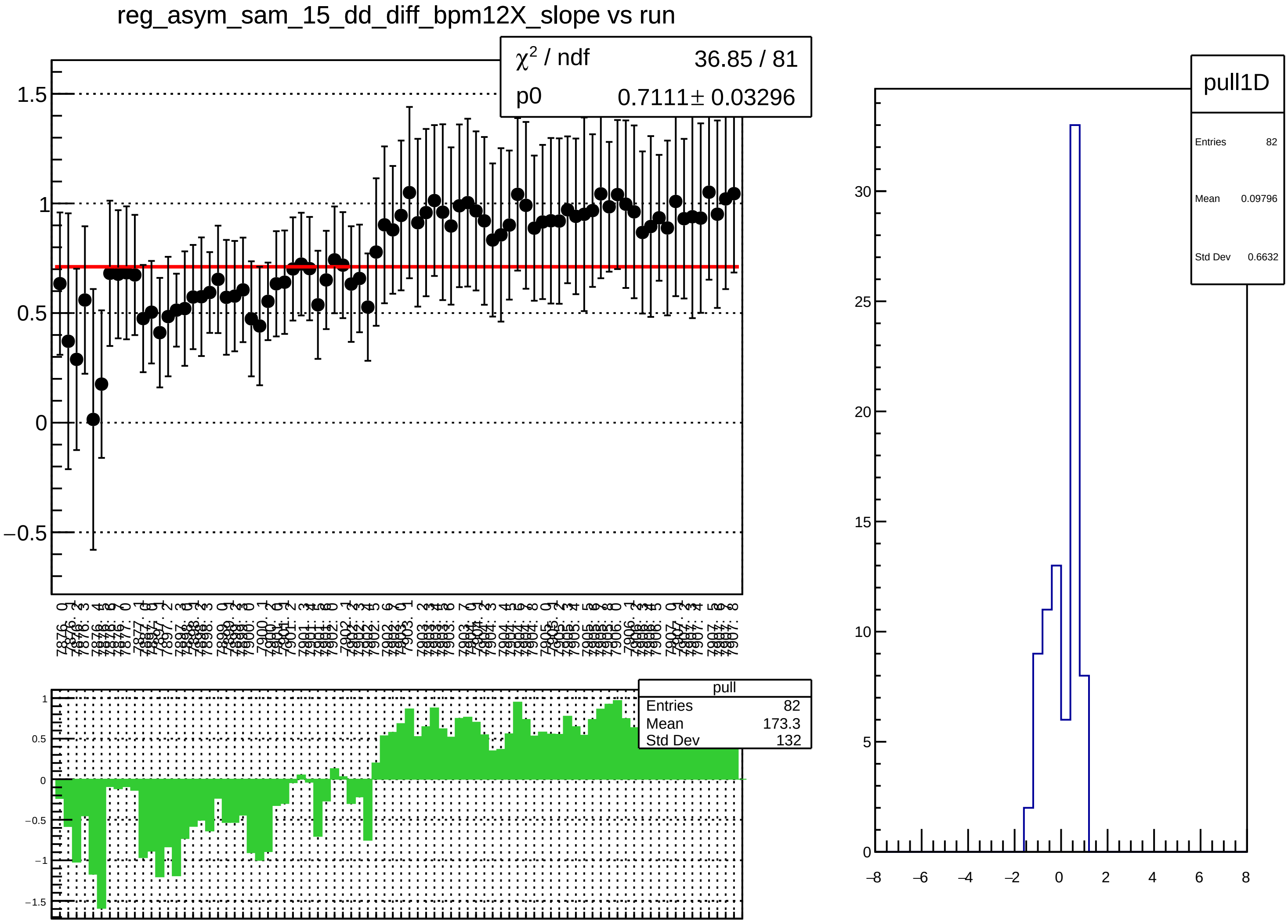
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 224.6 / 81
p0 −83.99 ± 0.8767
pull
Entries 82
Mean 93.75
Std Dev 57.22
pull1D
Entries 82
Mean −0.3831
Std Dev 1.349



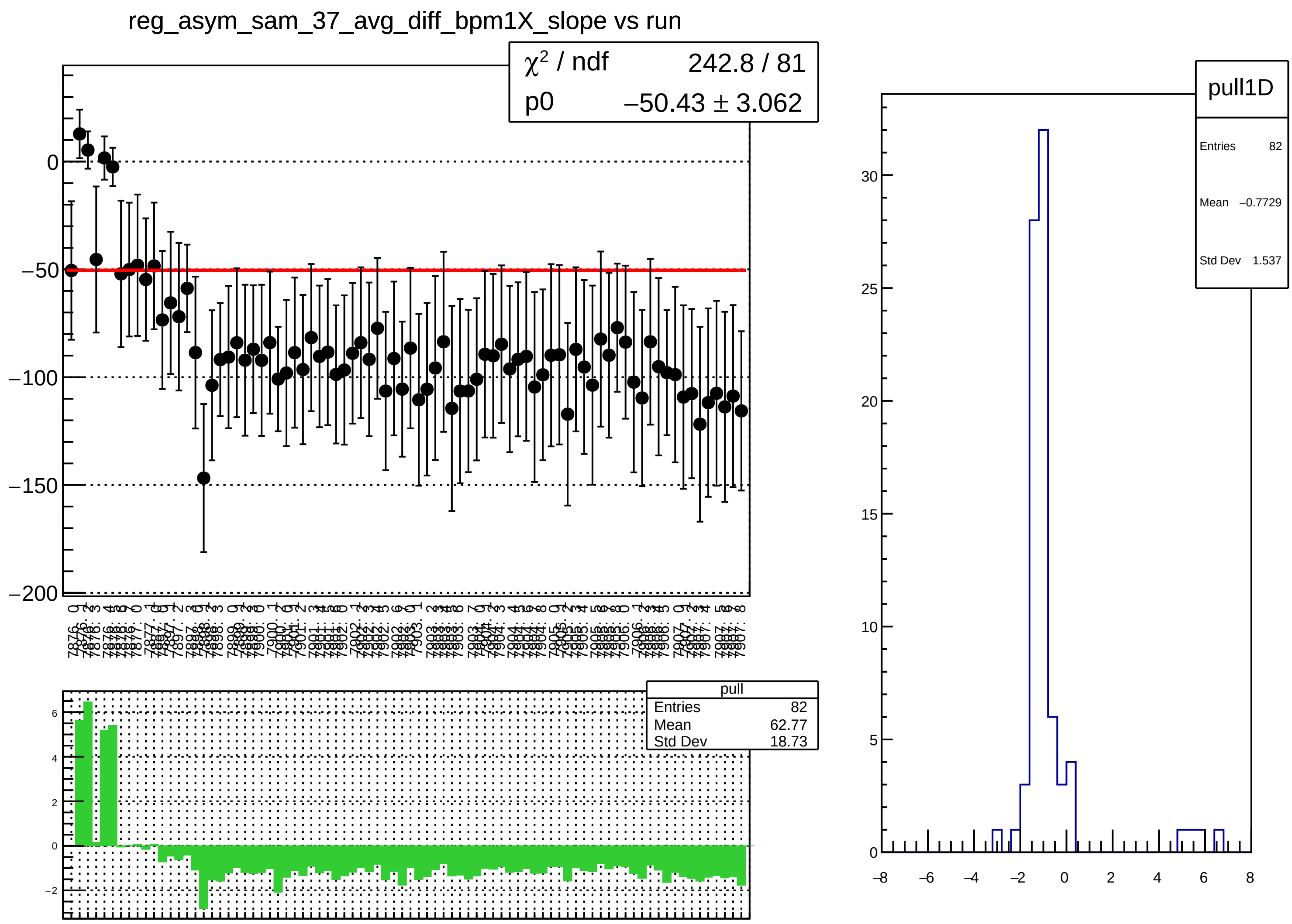
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.678 / 81
p0 −8.368 ± 0.6914
5
0
−5
−10
−15
−20
pull
Entries 82
Mean 342.4
Std Dev 308.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean −0.008451
Std Dev 0.2853
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



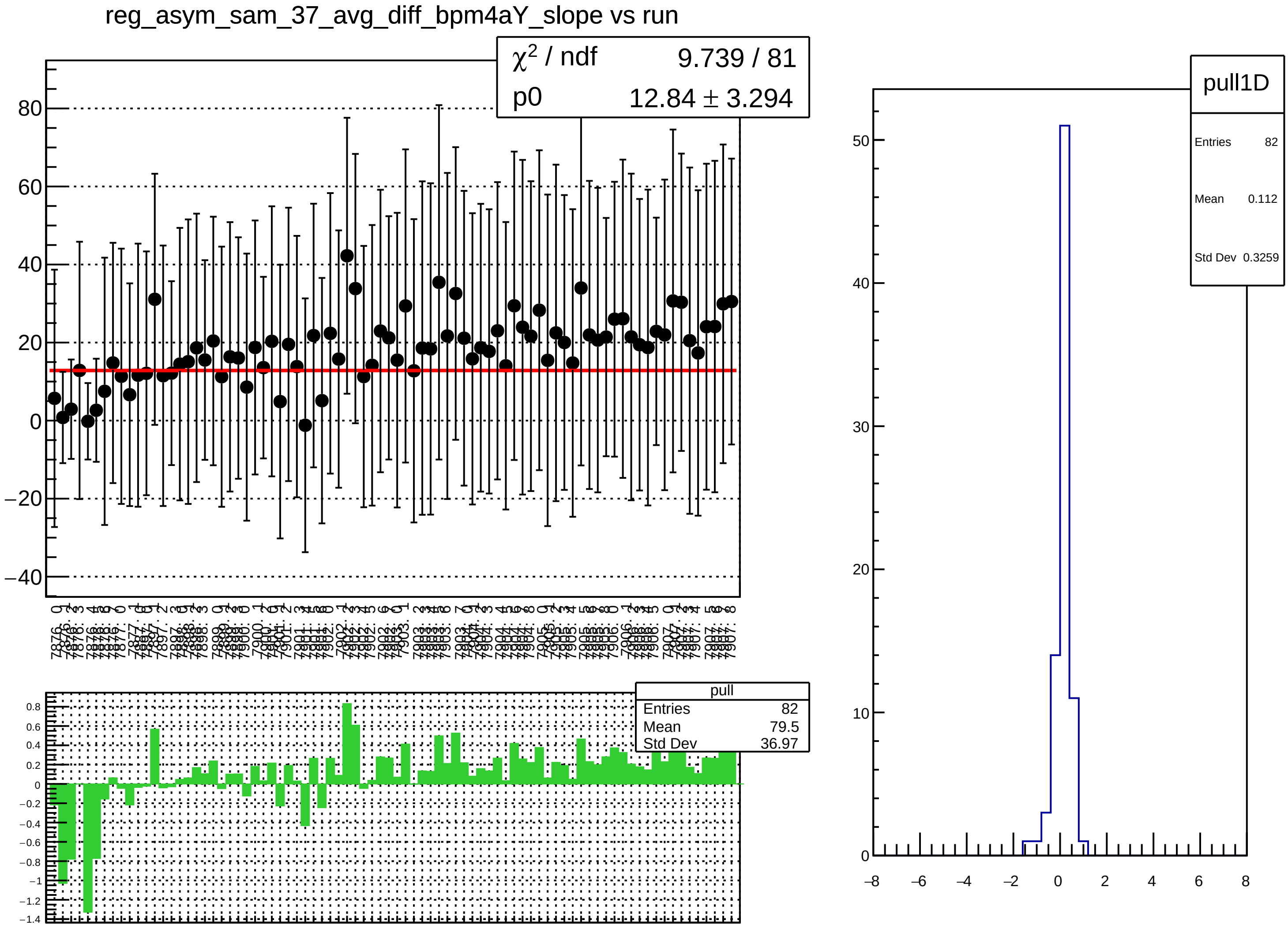
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 143.9 / 81
p0 −5.834 ± 1.044
pull
Entries 82
Mean 150
Std Dev 116.7
pull1D
Entries 82
Mean 0.1079
Std Dev 1.32



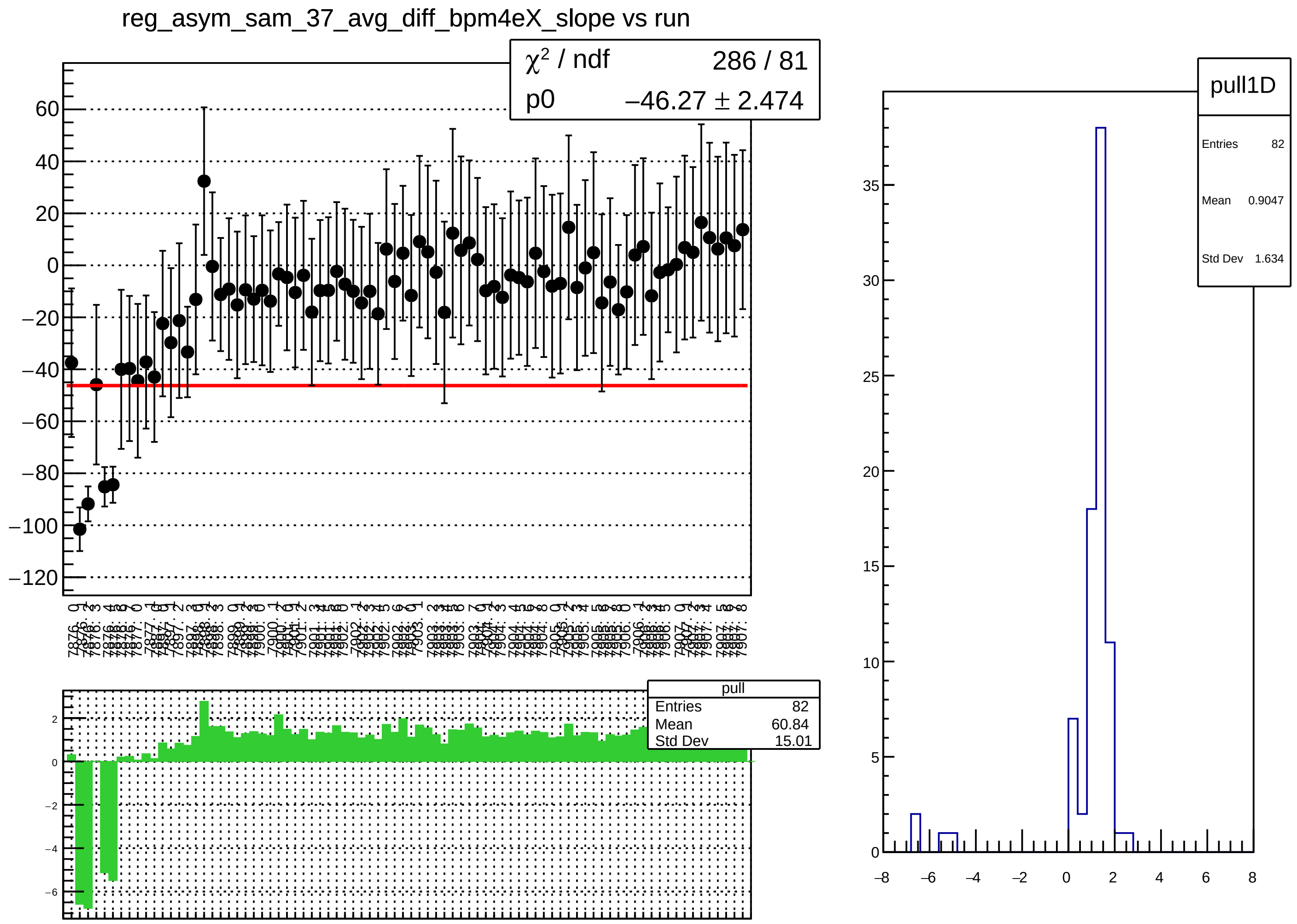
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ2 / ndf 36.85 / 81
p0 0.7111± 0.03296
pull
Entries 82
Mean 173.3
Std Dev 132
pull1D
Entries 82
Mean 0.09796
Std Dev 0.6632



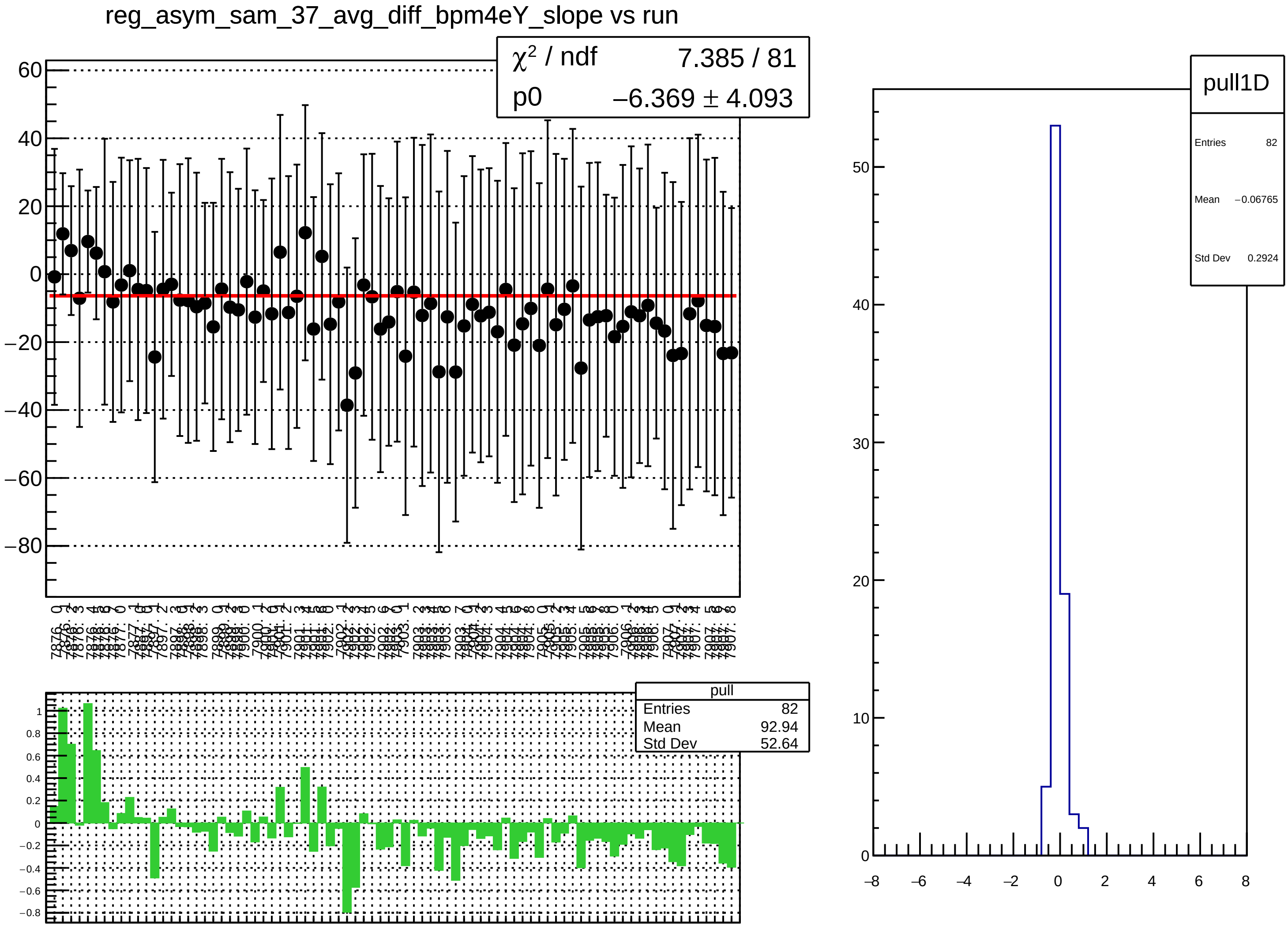
reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 242.8 / 81
p0 −50.43 ± 3.062
pull
Entries 82
Mean 62.77
Std Dev 18.73
pull1D
Entries 82
Mean −0.7729
Std Dev 1.537



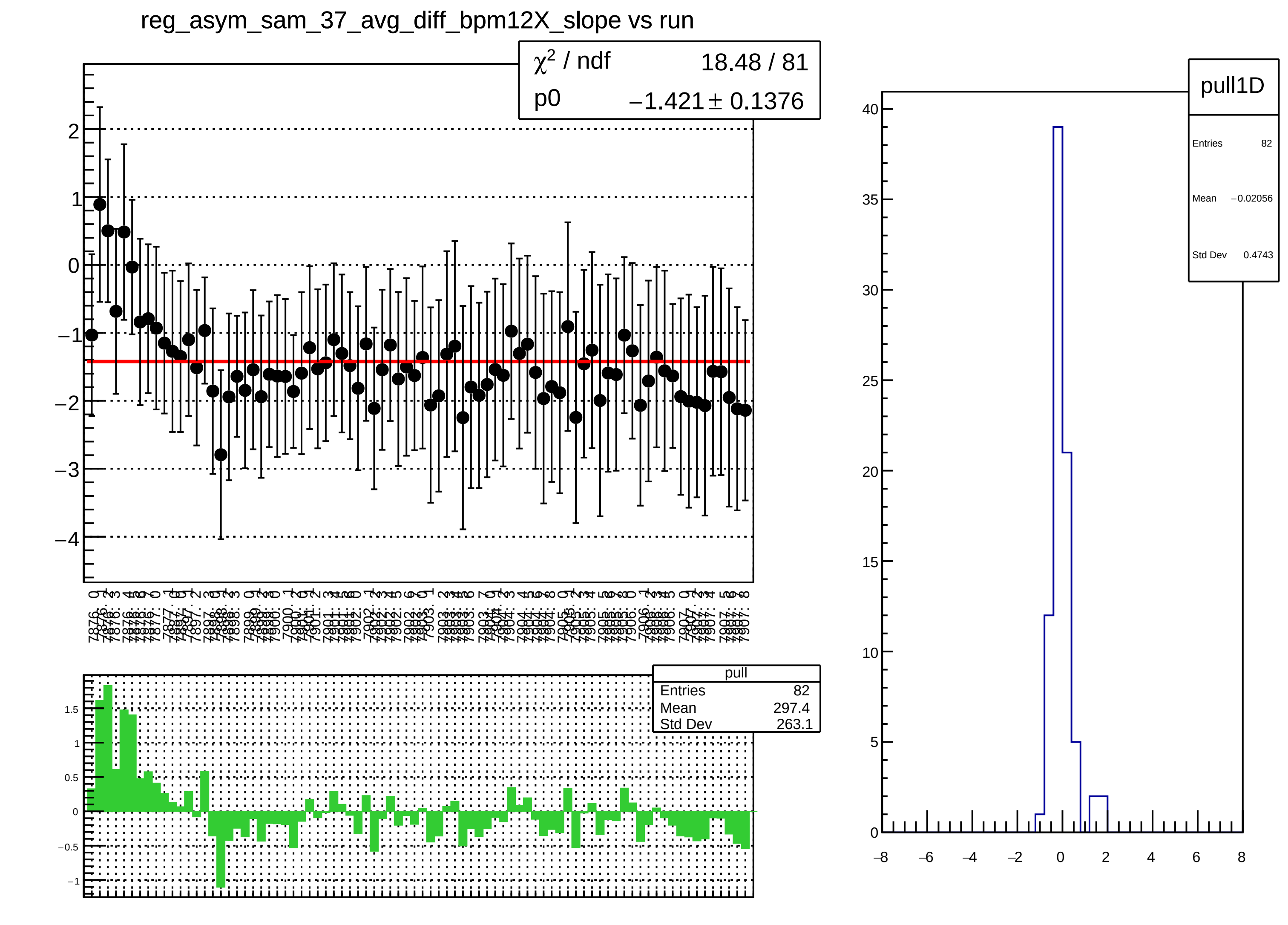
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.739 / 81
p0 12.84 ± 3.294
pull
Entries 82
Mean 79.5
Std Dev 36.97
pull1D
Entries 82
Mean 0.112
Std Dev 0.3259



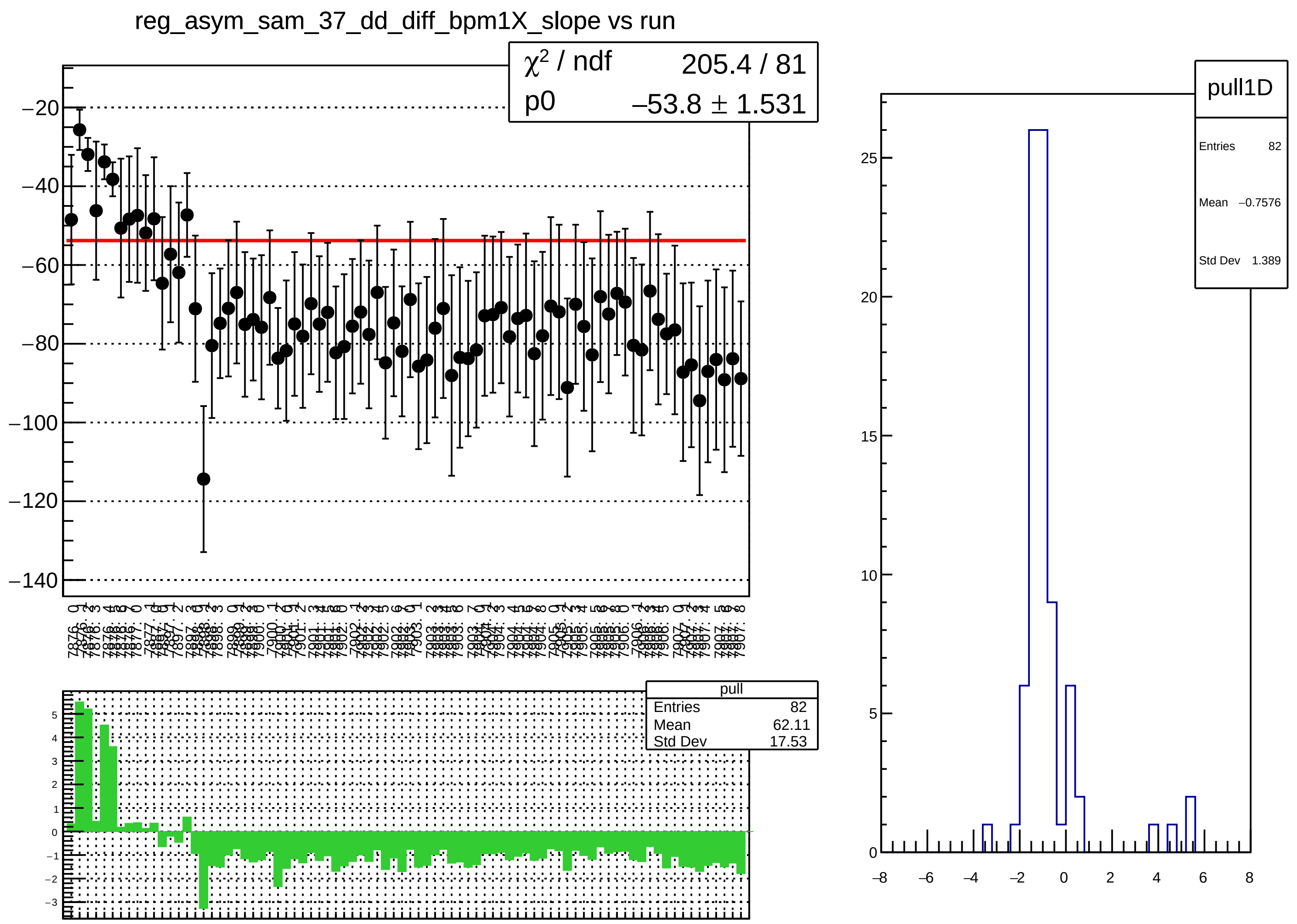
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ2 / ndf 286 / 81
p0 −46.27 ± 2.474
pull
Entries 82
Mean 60.84
Std Dev 15.01
pull1D
Entries 82
Mean 0.9047
Std Dev 1.634



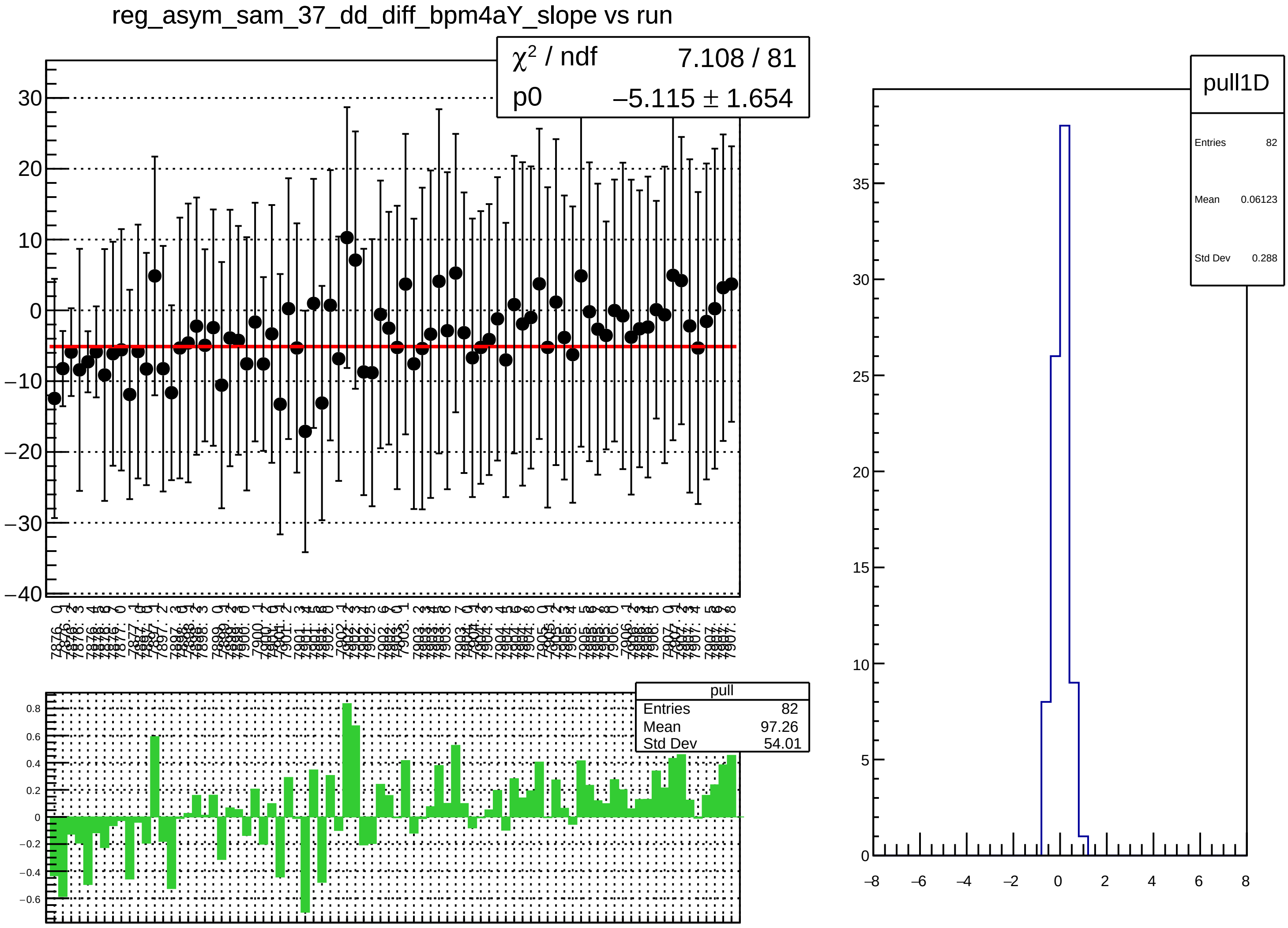
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.385 / 81
p0 −6.369 ± 4.093
pull
Entries 82
Mean 92.94
Std Dev 52.64
pull1D
Entries 82
Mean −0.06765
Std Dev 0.2924



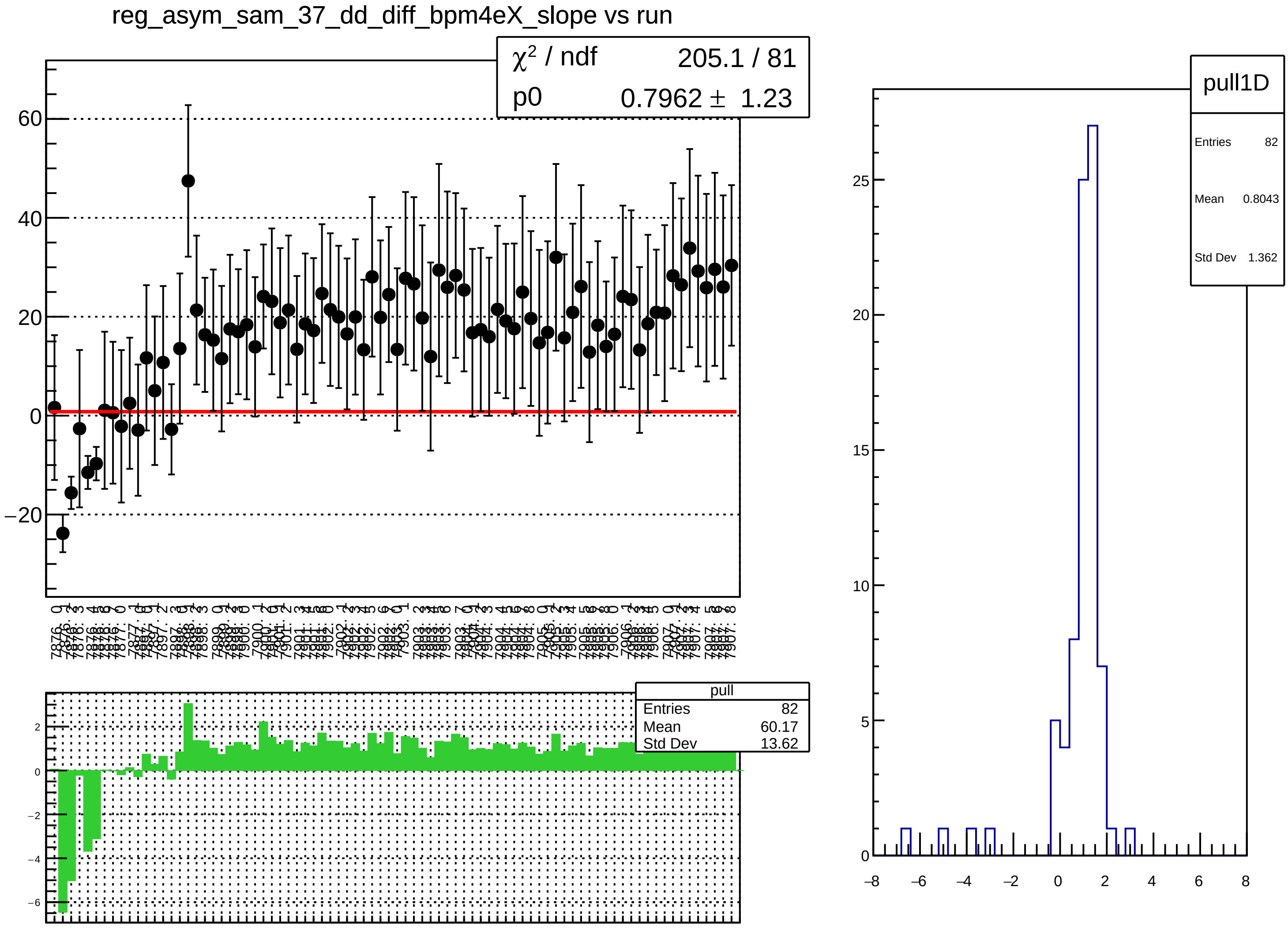
reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ2 / ndf 18.48 / 81
p0 −1.421 ± 0.1376
pull
Entries 82
Mean 297.4
Std Dev 263.1
pull1D
Entries 82
Mean −0.02056
Std Dev 0.4743



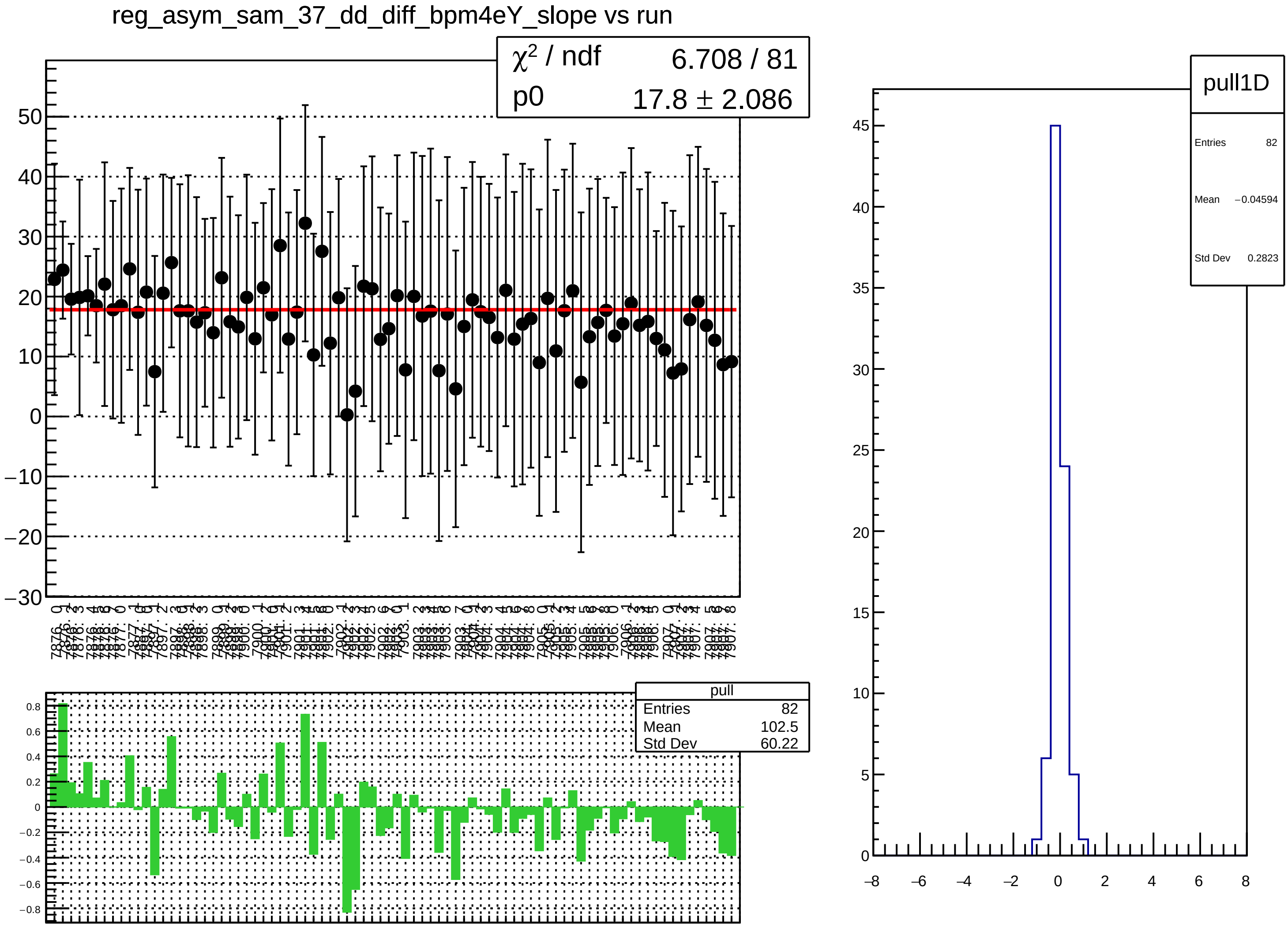
reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 205.4 / 81
p0 −53.8 ± 1.531
pull
Entries 82
Mean 62.11
Std Dev 17.53
pull1D
Entries 82
Mean −0.7576
Std Dev 1.389



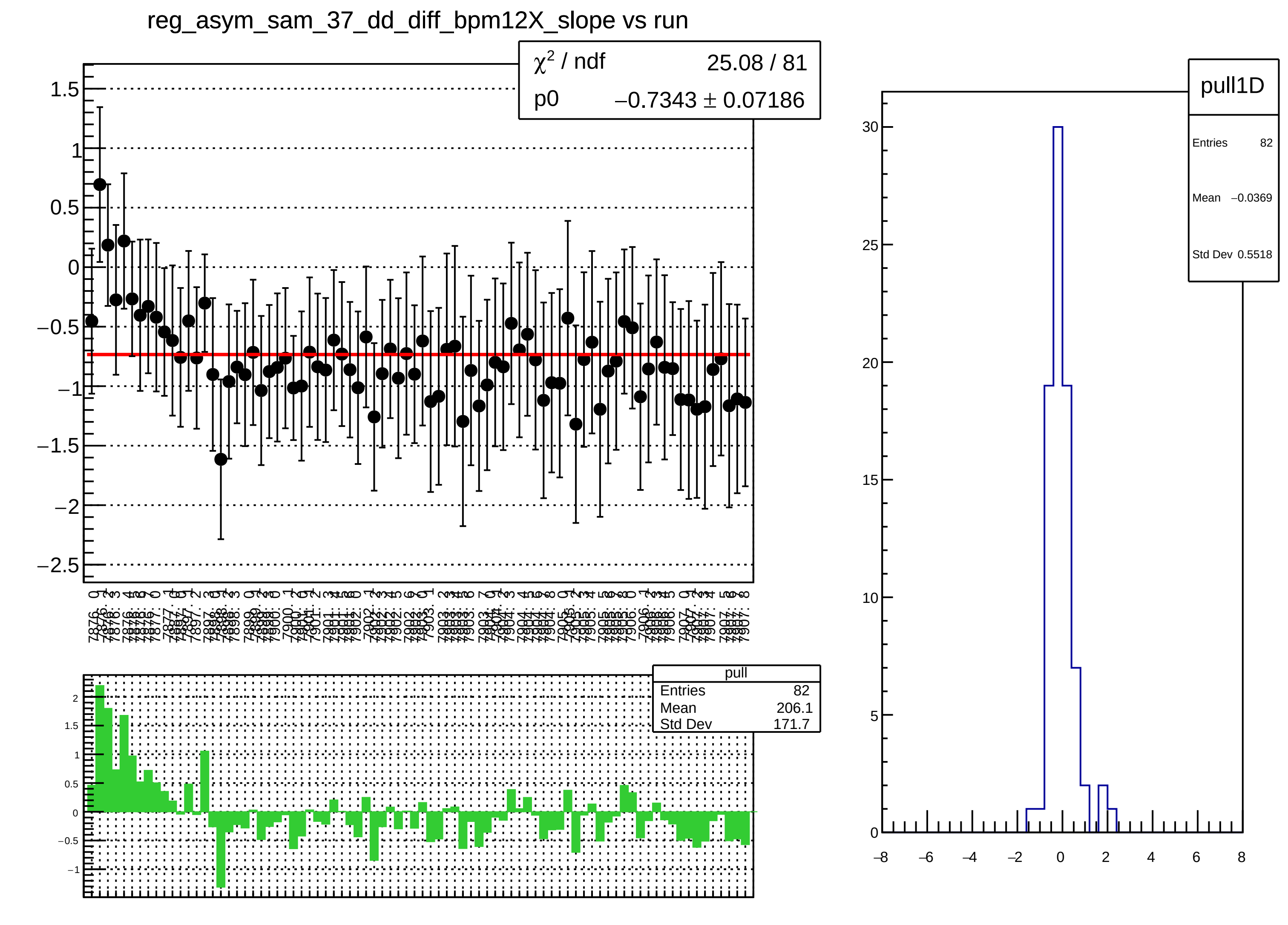
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.108 / 81
p0 −5.115 ± 1.654
pull
Entries 82
Mean 97.26
Std Dev 54.01
pull1D
Entries 82
Mean 0.06123
Std Dev 0.288



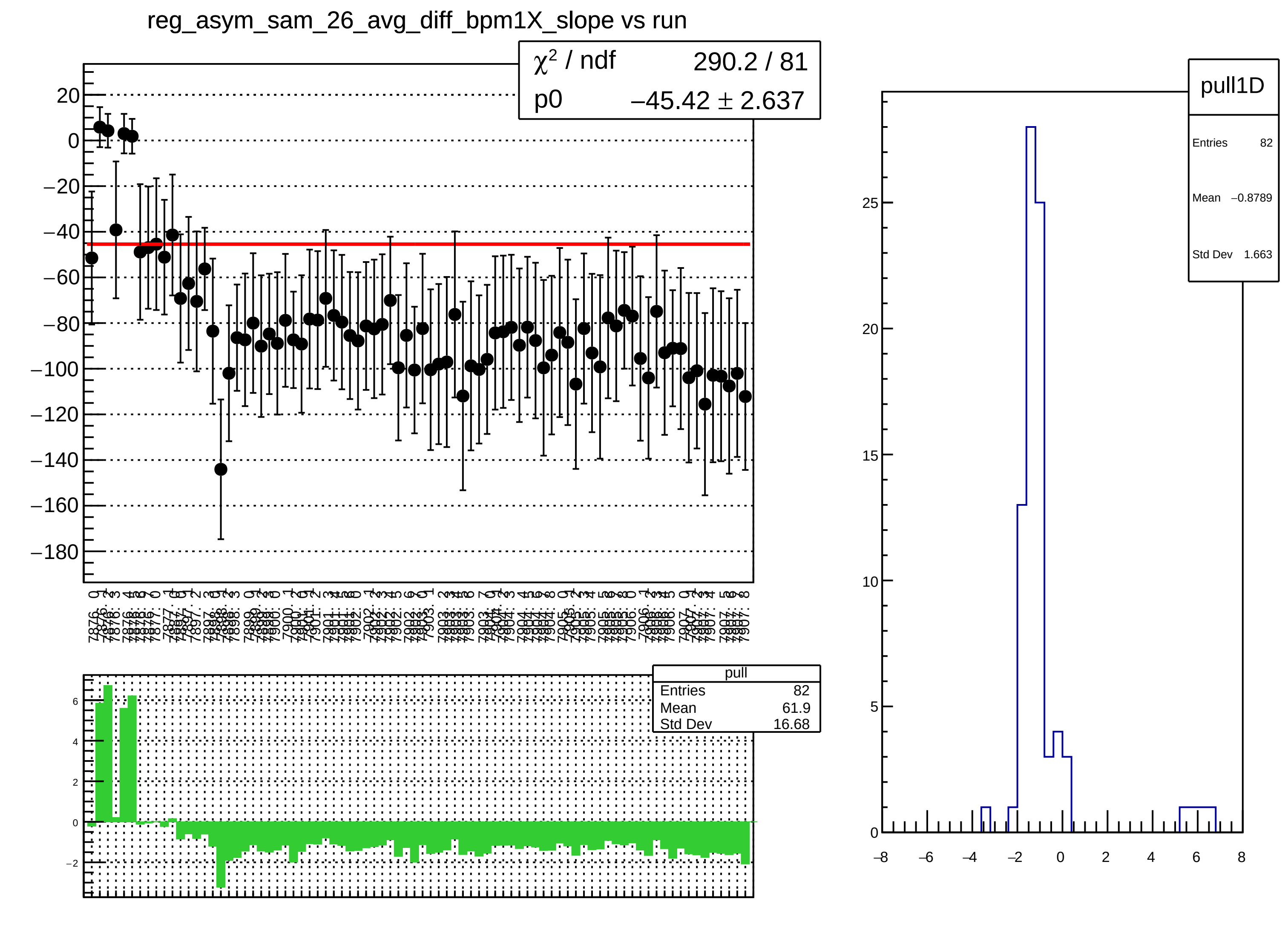
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 205.1 / 81
p0 0.7962 ± 1.23
pull
Entries 82
Mean 60.17
Std Dev 13.62
pull1D
Entries 82
Mean 0.8043
Std Dev 1.362

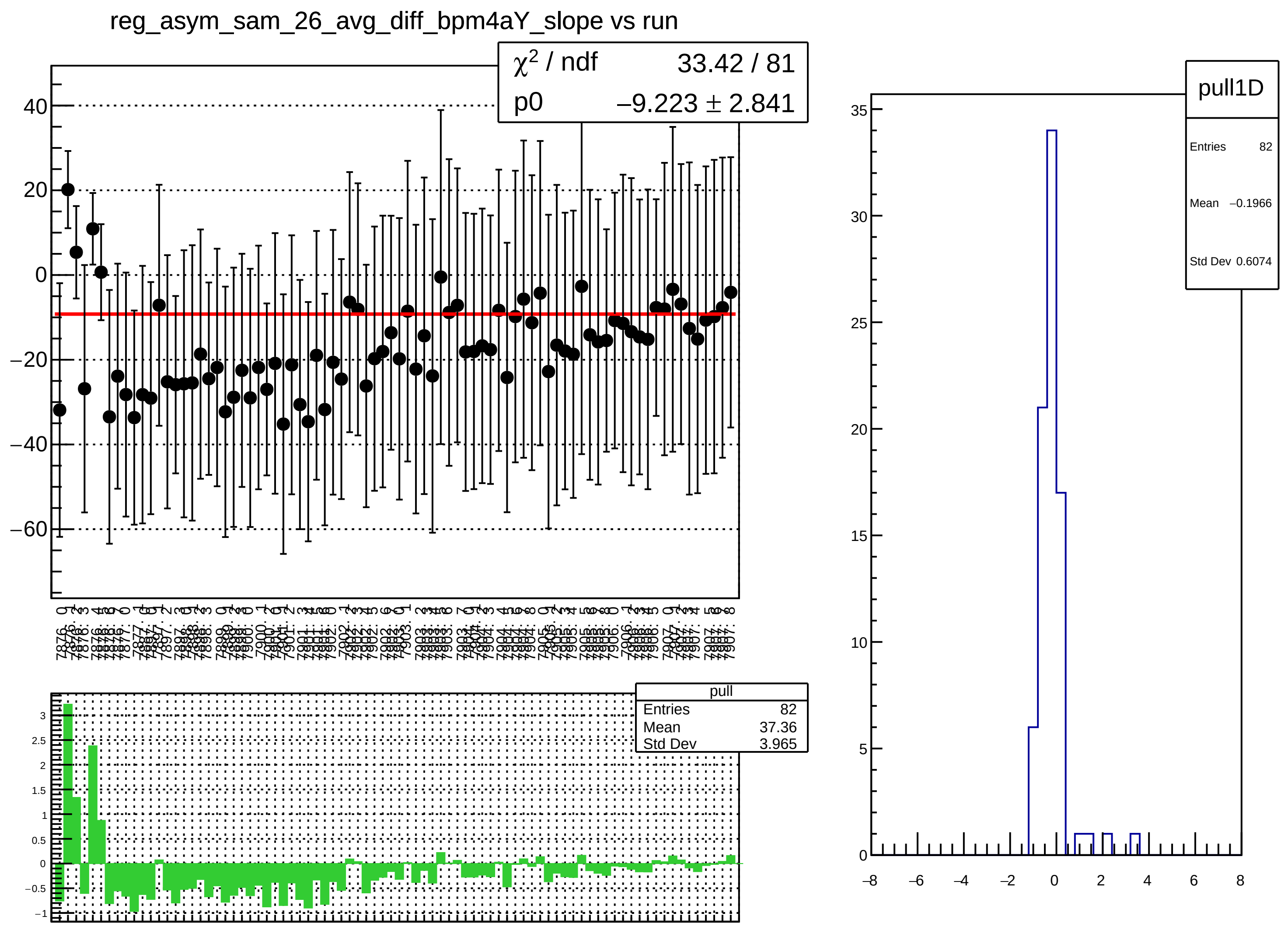


reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.708 / 81
p0 17.8 ± 2.086
pull
Entries 82
Mean 102.5
Std Dev 60.22
pull1D
Entries 82
Mean −0.04594
Std Dev 0.2823

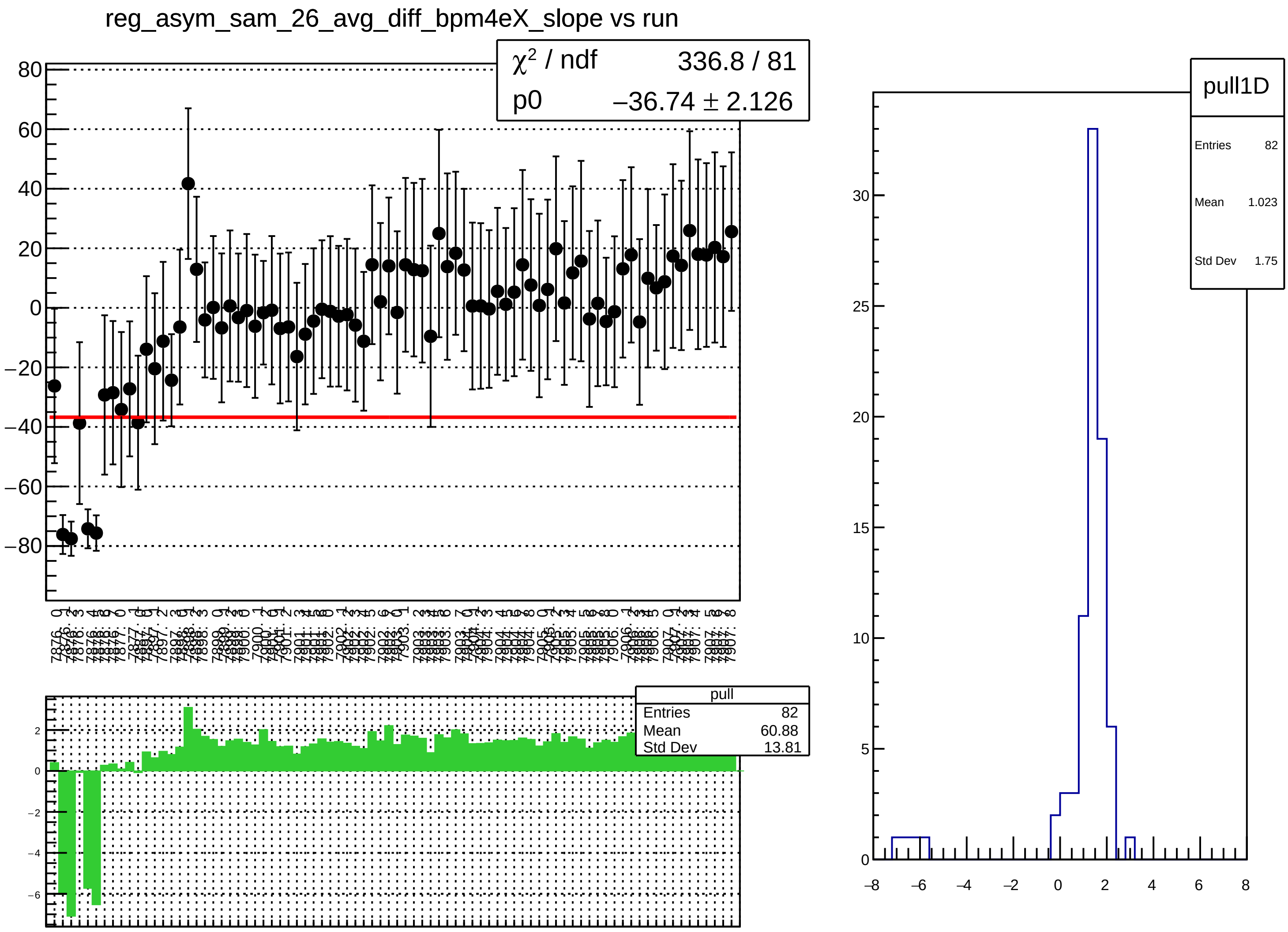


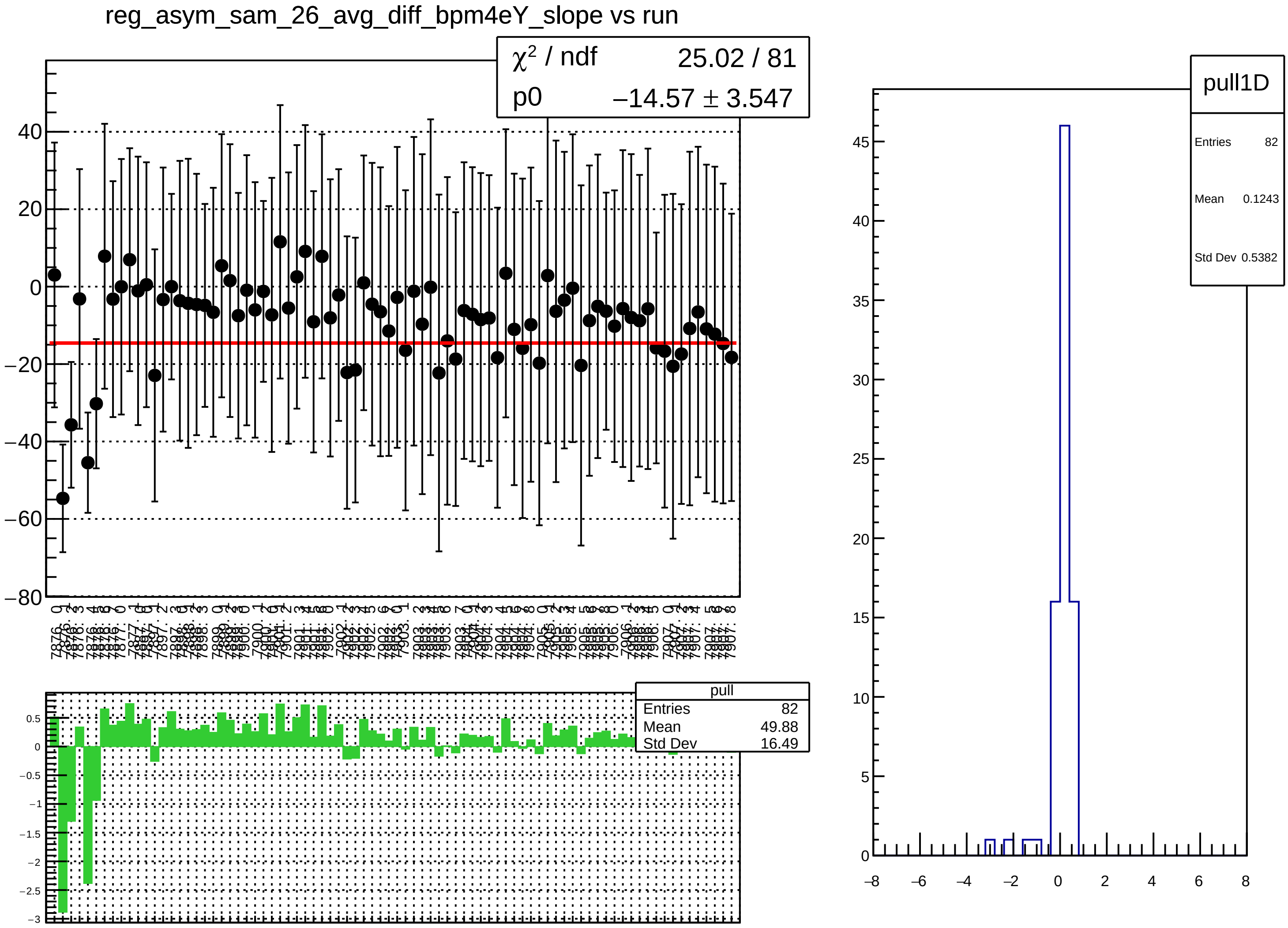
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ2 / ndf 25.08 / 81
p0 −0.7343 ± 0.07186
pull
Entries 82
Mean 206.1
Std Dev 171.7
pull1D
Entries 82
Mean −0.0369
Std Dev 0.5518


reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 290.2 / 81
p0 −45.42 ± 2.637
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
pull
Entries 82
Mean 61.9
Std Dev 16.68
6
4
2
0
−2
pull1D
Entries 82
Mean −0.8789
Std Dev 1.663
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

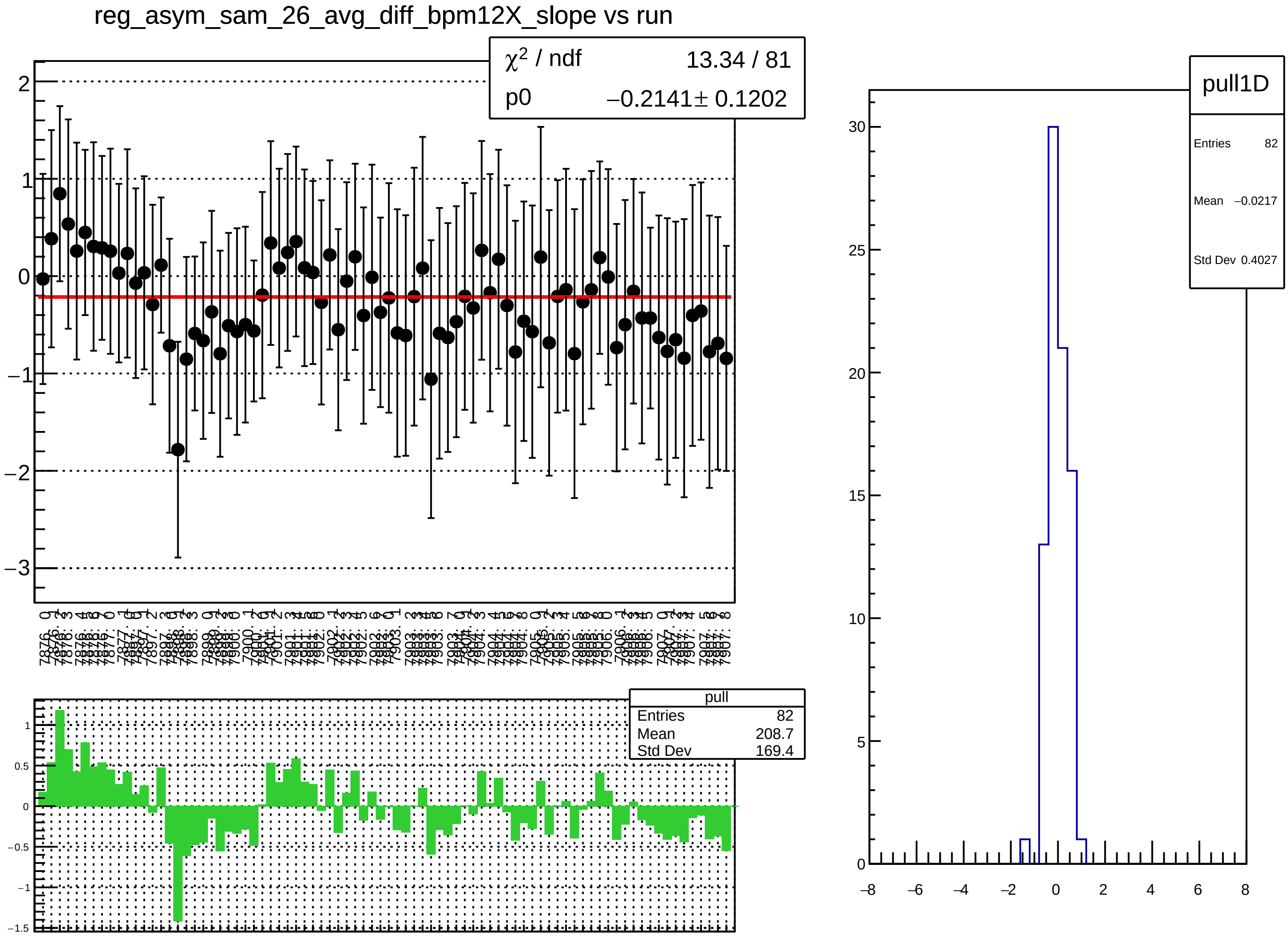


reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 33.42 / 81
p0 −9.223 ± 2.841
pull
Entries 82
Mean 37.36
Std Dev 3.965
pull1D
Entries 82
Mean −0.1966
Std Dev 0.6074

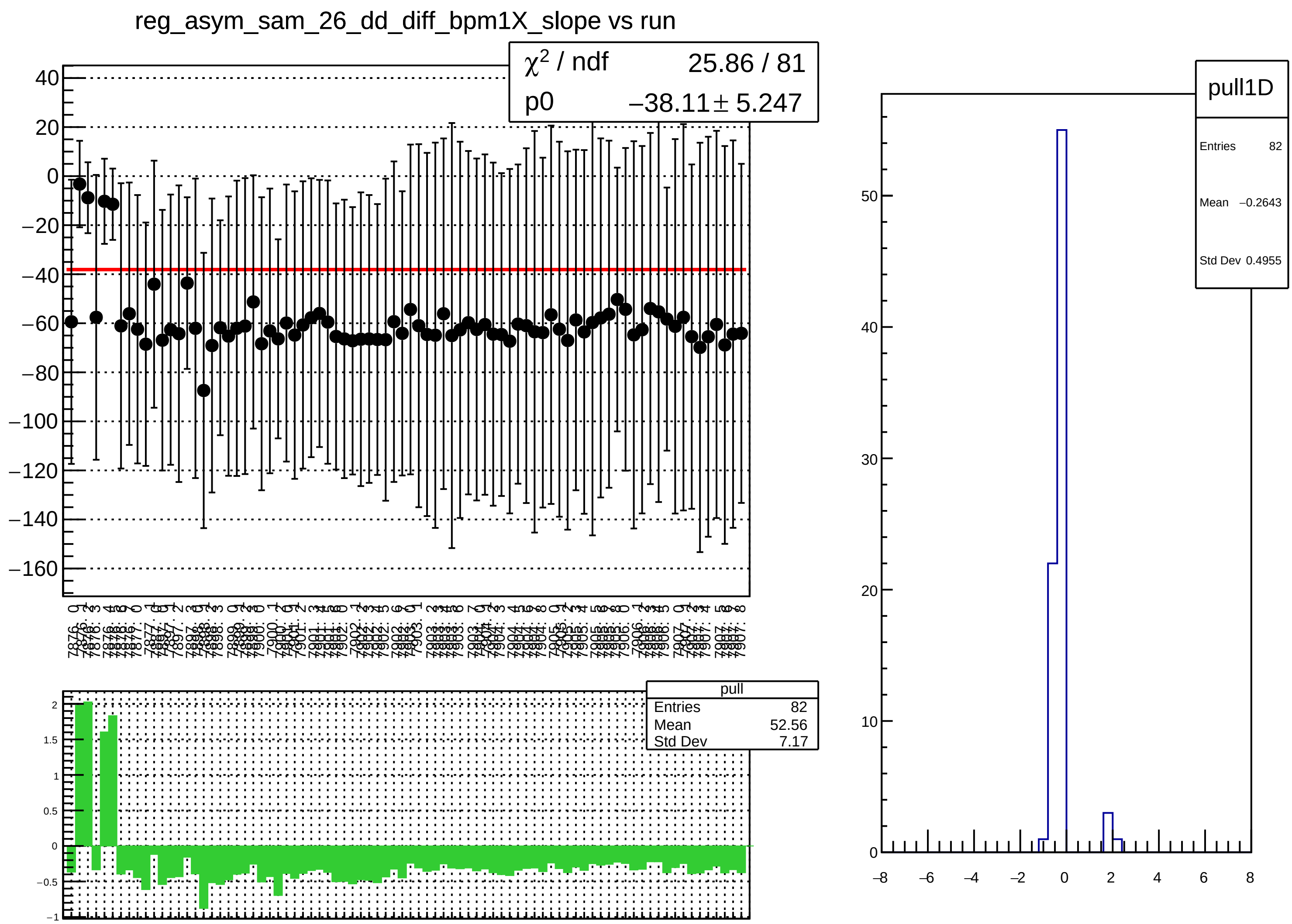

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 336.8 / 81
p0 −36.74 ± 2.126
pull
Entries 82
Mean 60.88
Std Dev 13.81
pull1D
Entries 82
Mean 1.023
Std Dev 1.75

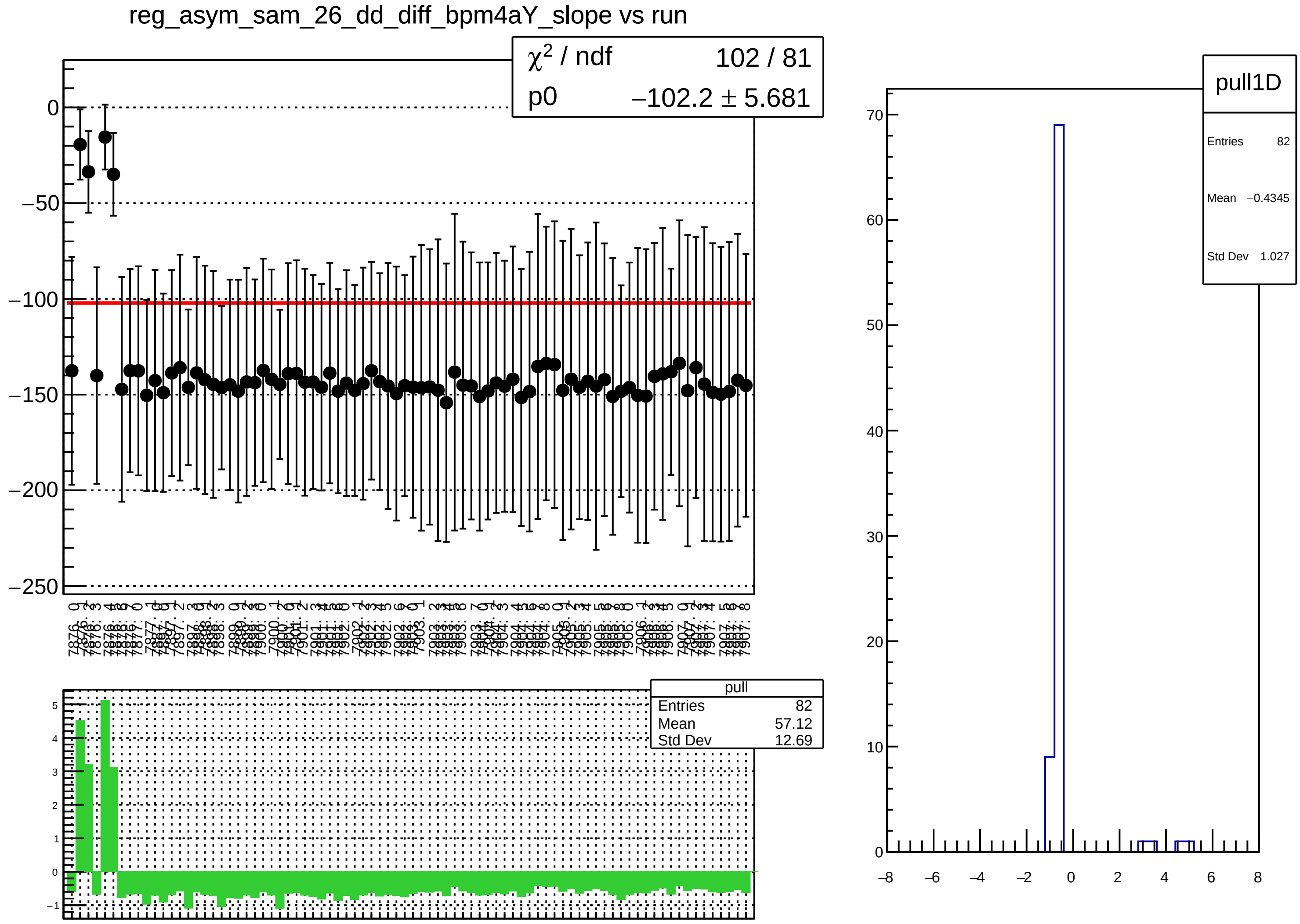


reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 25.02 / 81
p0 −14.57 ± 3.547
pull
Entries 82
Mean 49.88
Std Dev 16.49
pull1D
Entries 82
Mean 0.1243
Std Dev 0.5382

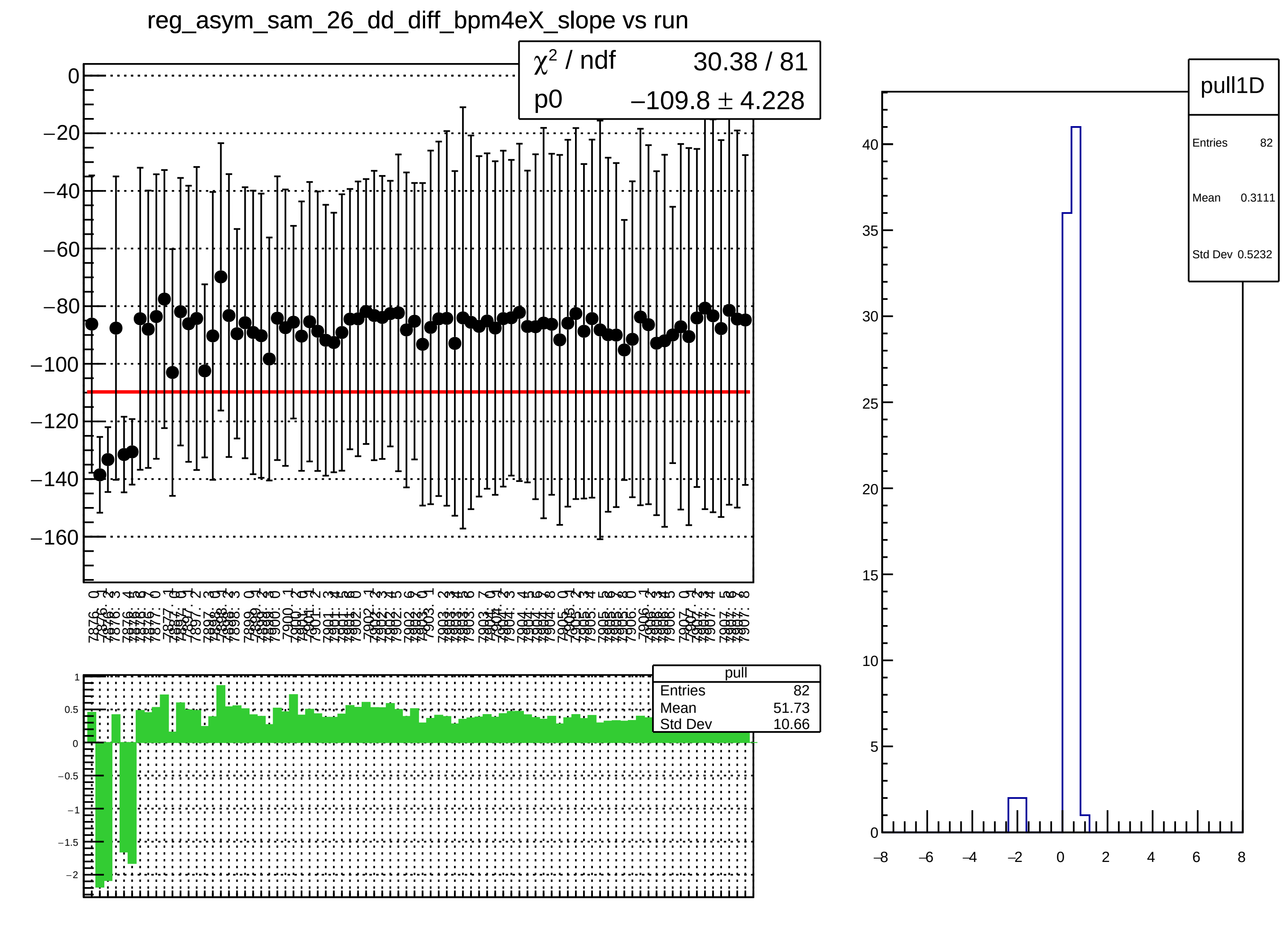


reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ2 / ndf 13.34 / 81
p0 −0.2141± 0.1202
pull
Entries 82
Mean 208.7
Std Dev 169.4
pull1D
Entries 82
Mean −0.0217
Std Dev 0.4027

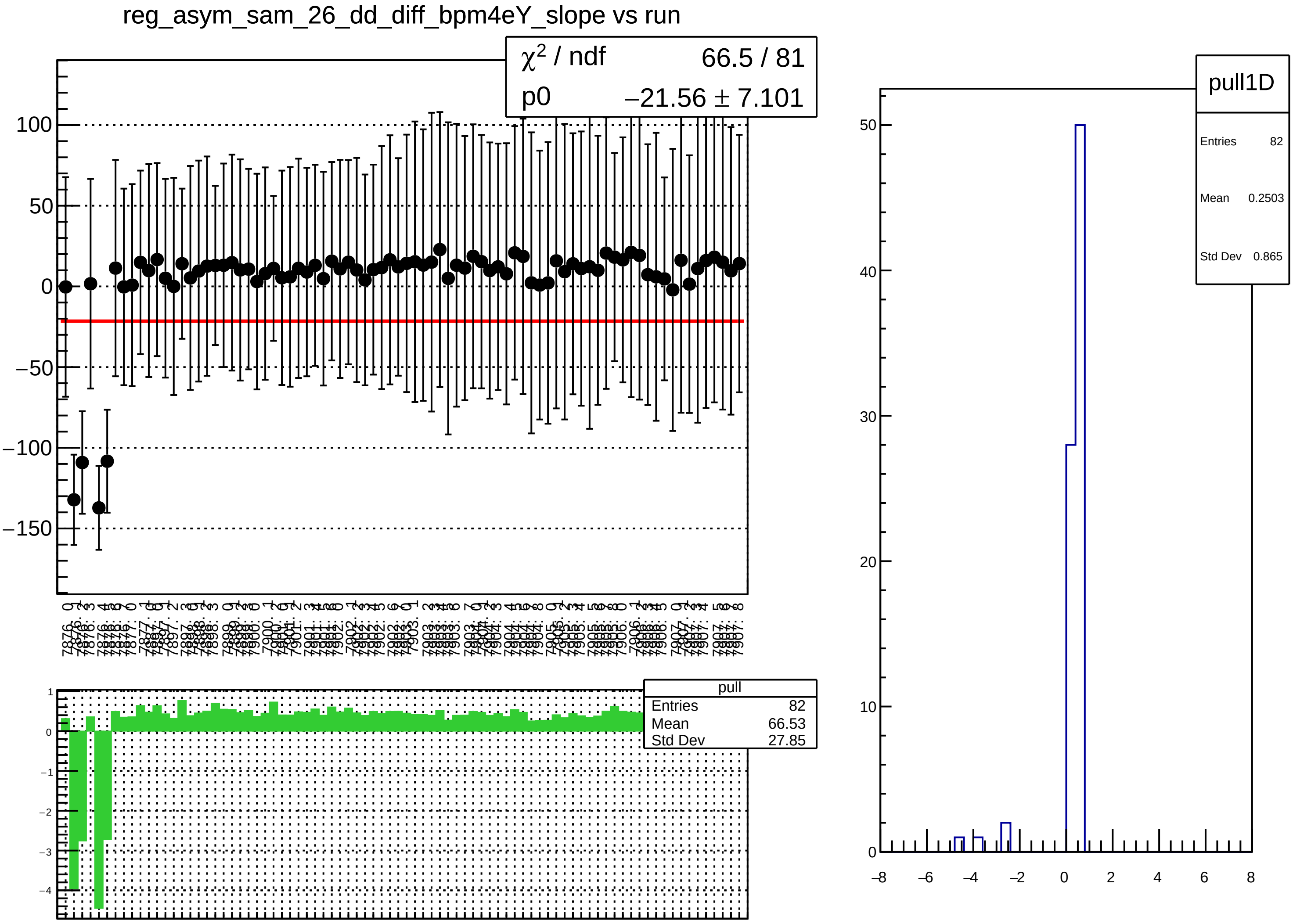

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 25.86 / 81
p0 −38.11 ± 5.247
pull
Entries 82
Mean 52.56
Std Dev 7.17
pull1D
Entries 82
Mean −0.2643
Std Dev 0.4955

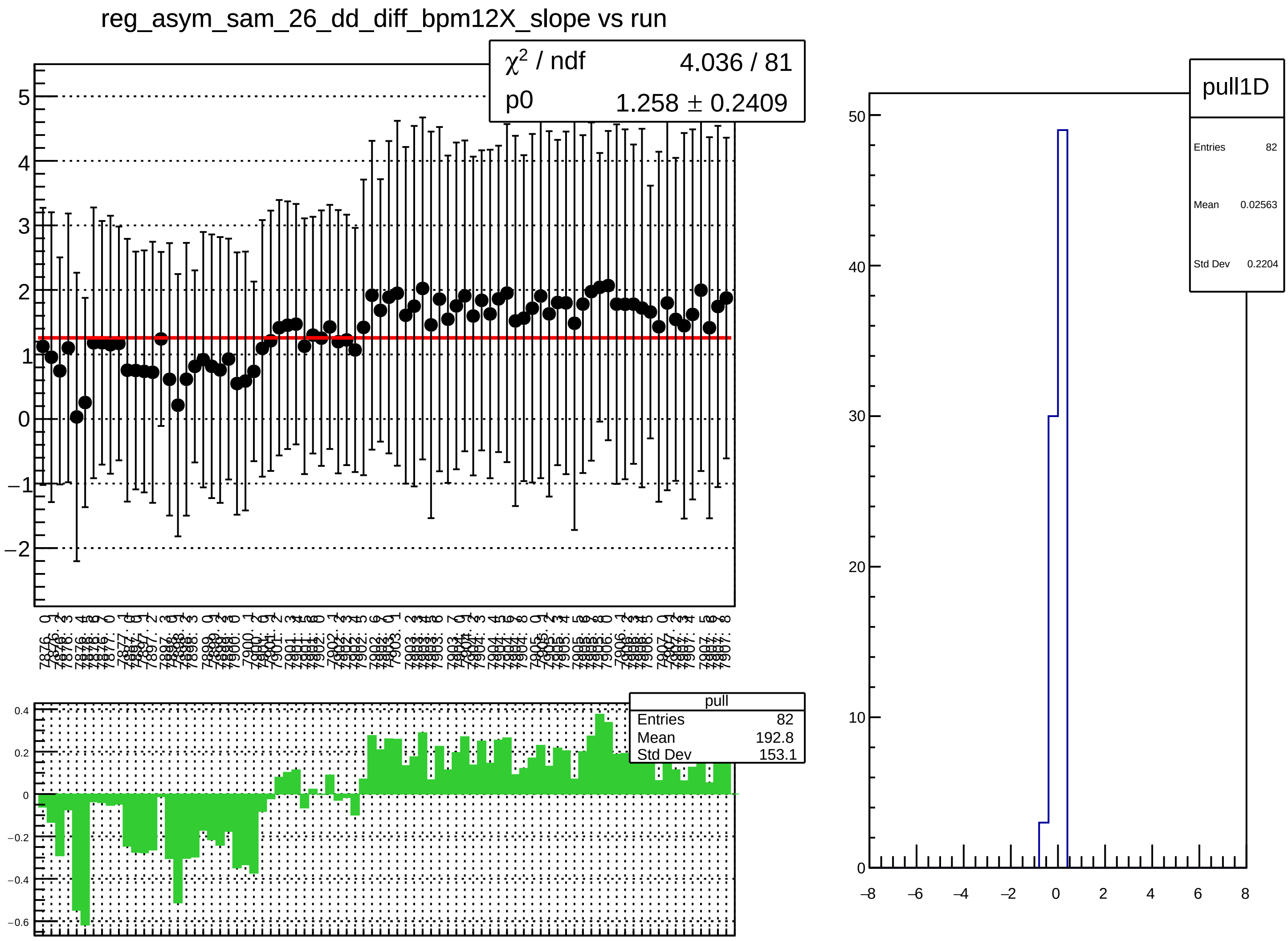


reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 102 / 81
p0 −102.2 ± 5.681
pull
Entries 82
Mean 57.12
Std Dev 12.69
pull1D
Entries 82
Mean −0.4345
Std Dev 1.027

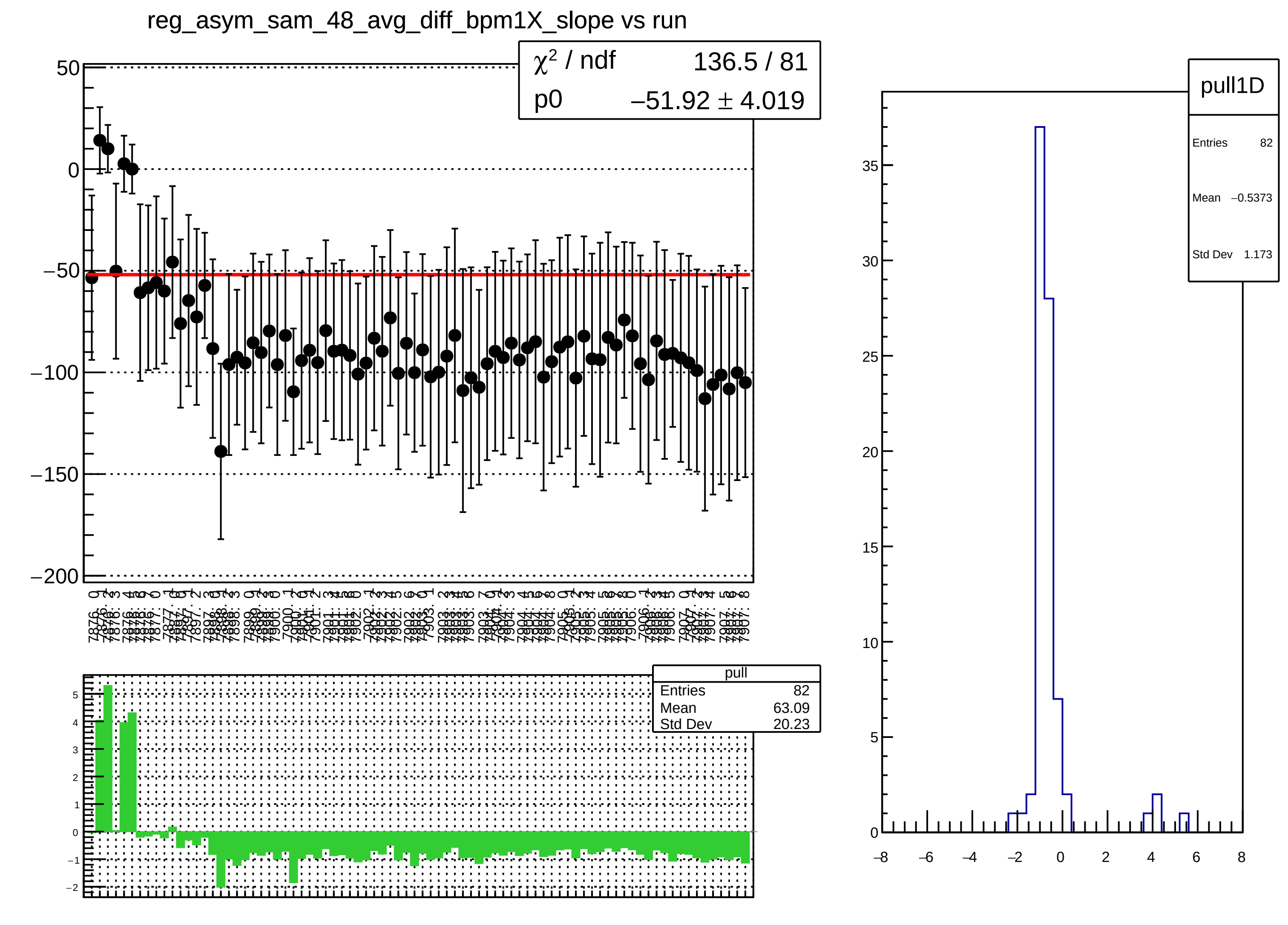


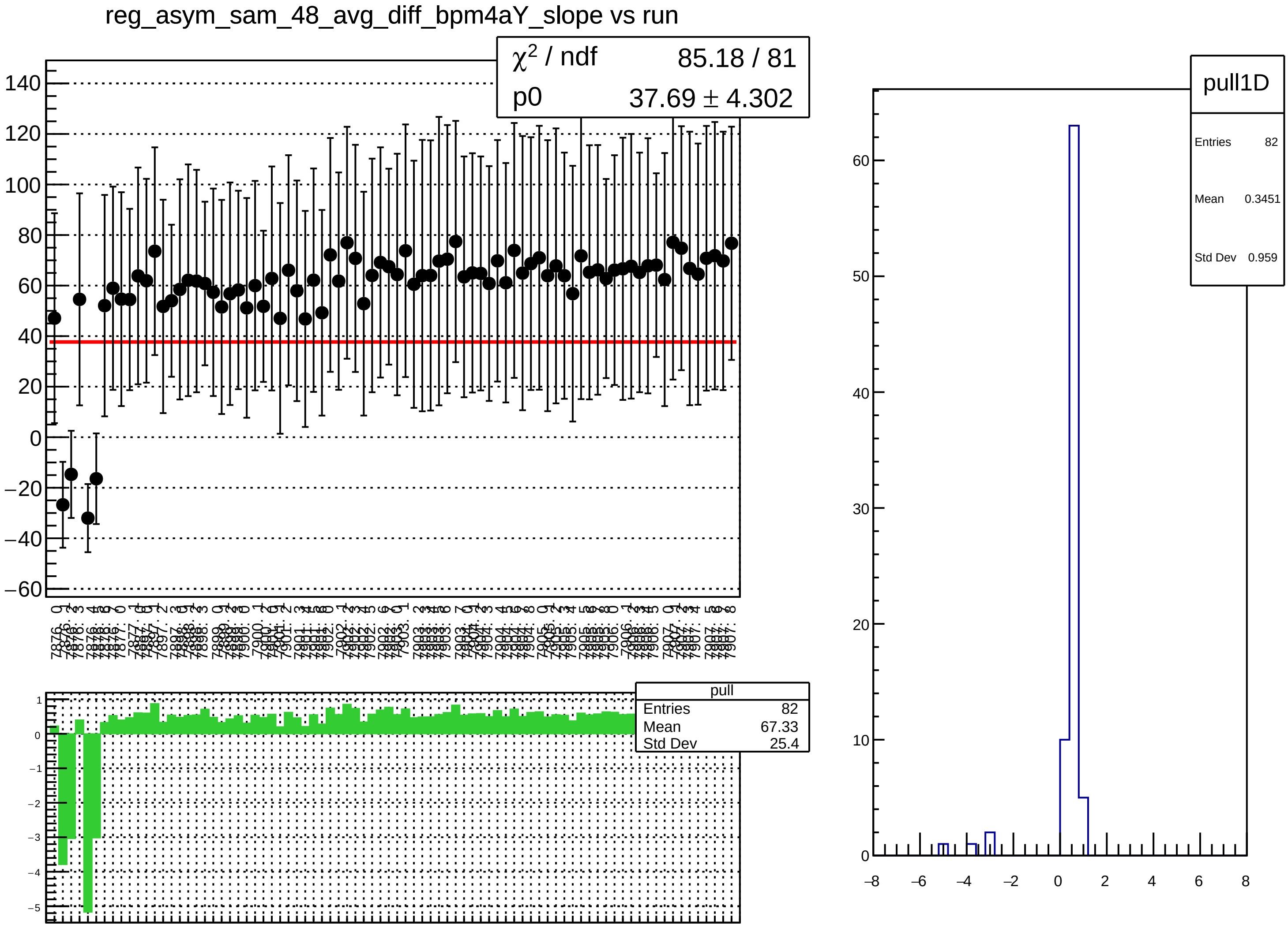
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 30.38 / 81
p0 −109.8 ± 4.228
pull
Entries 82
Mean 51.73
Std Dev 10.66
pull1D
Entries 82
Mean 0.3111
Std Dev 0.5232


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

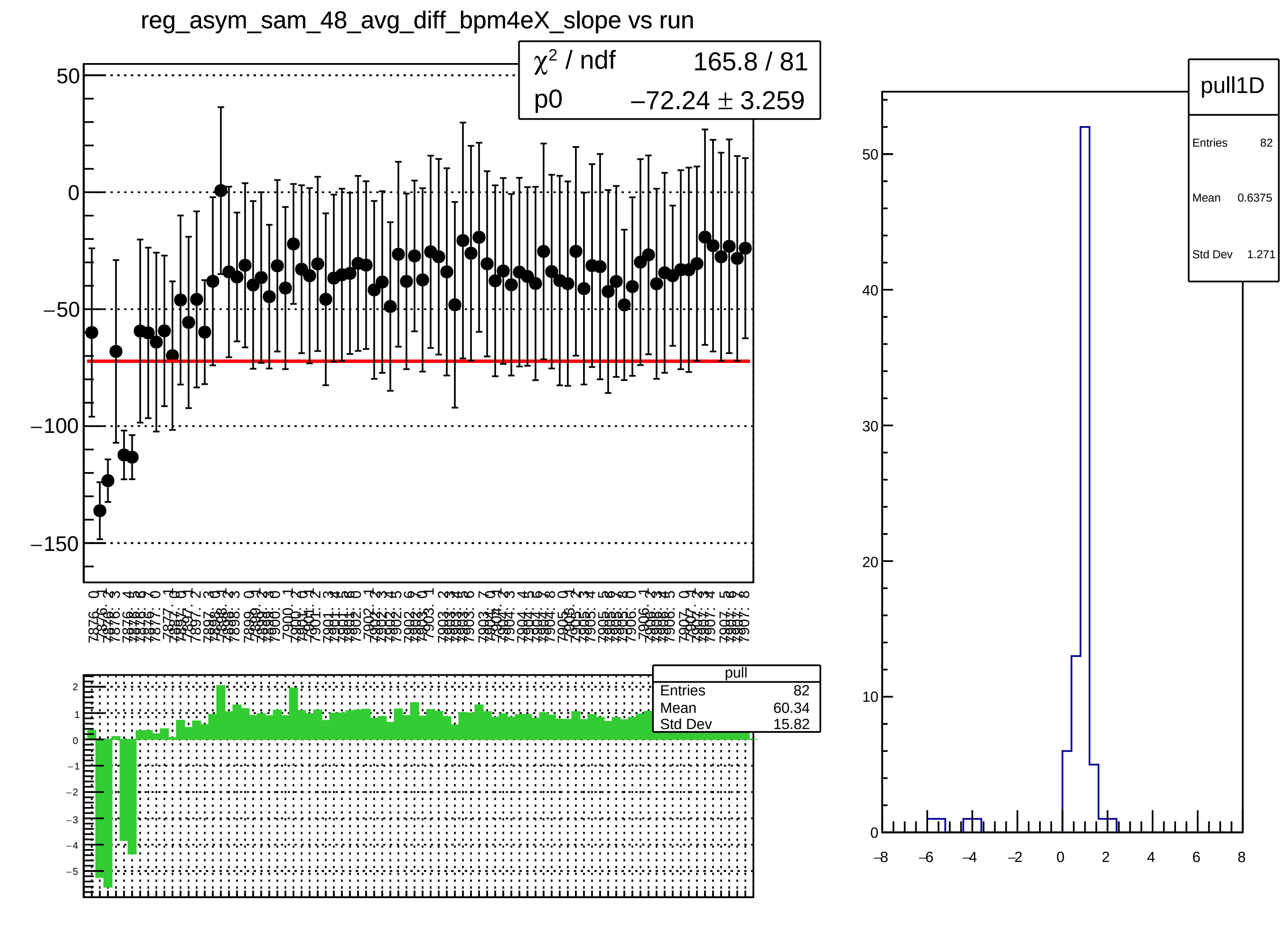


reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.036 / 81
p0 1.258 ± 0.2409
pull
Entries 82
Mean 192.8
Std Dev 153.1
pull1D
Entries 82
Mean 0.02563
Std Dev 0.2204

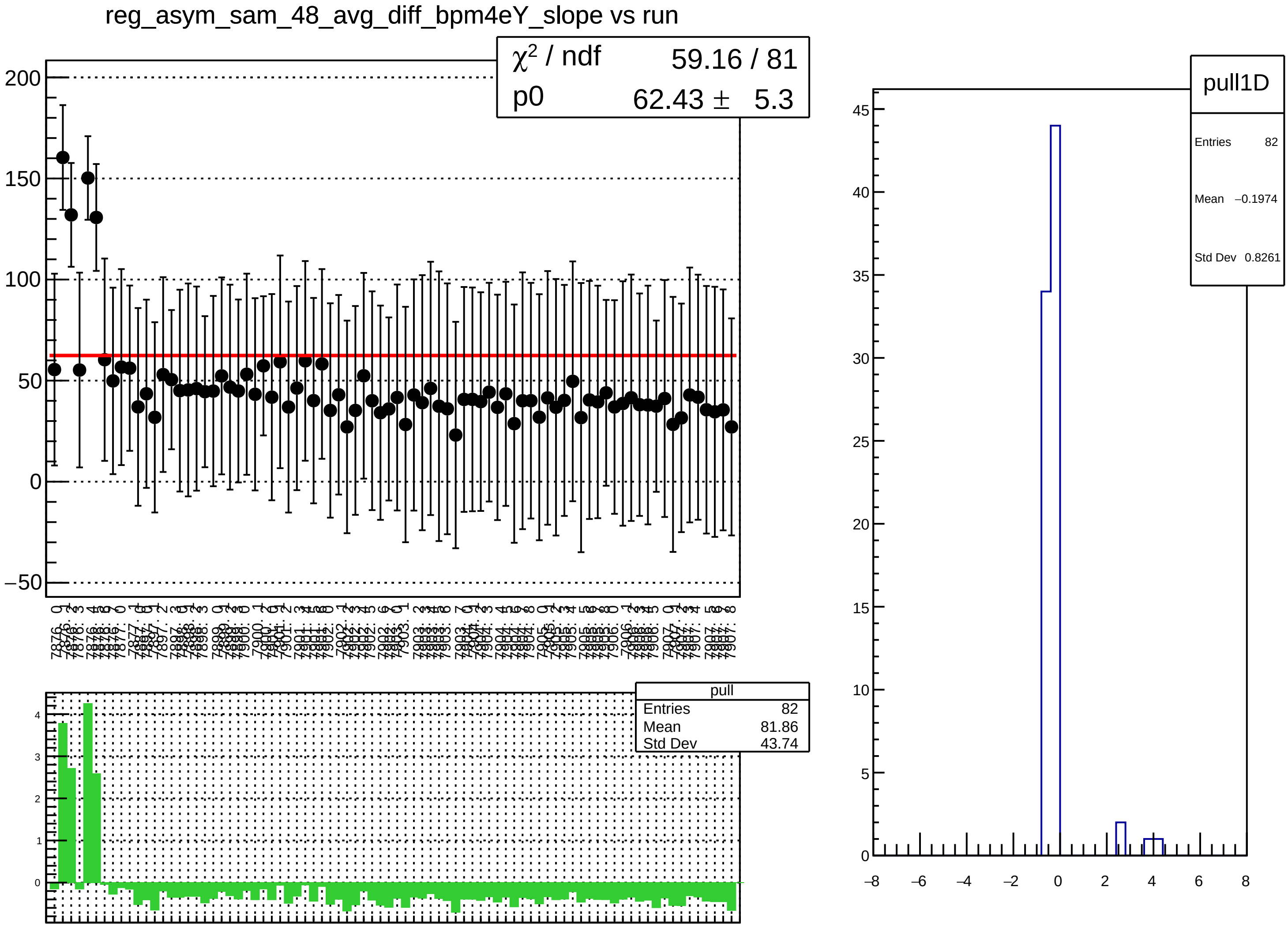

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 136.5 / 81
p0 −51.92 ± 4.019
pull
Entries 82
Mean 63.09
Std Dev 20.23
pull1D
Entries 82
Mean −0.5373
Std Dev 1.173



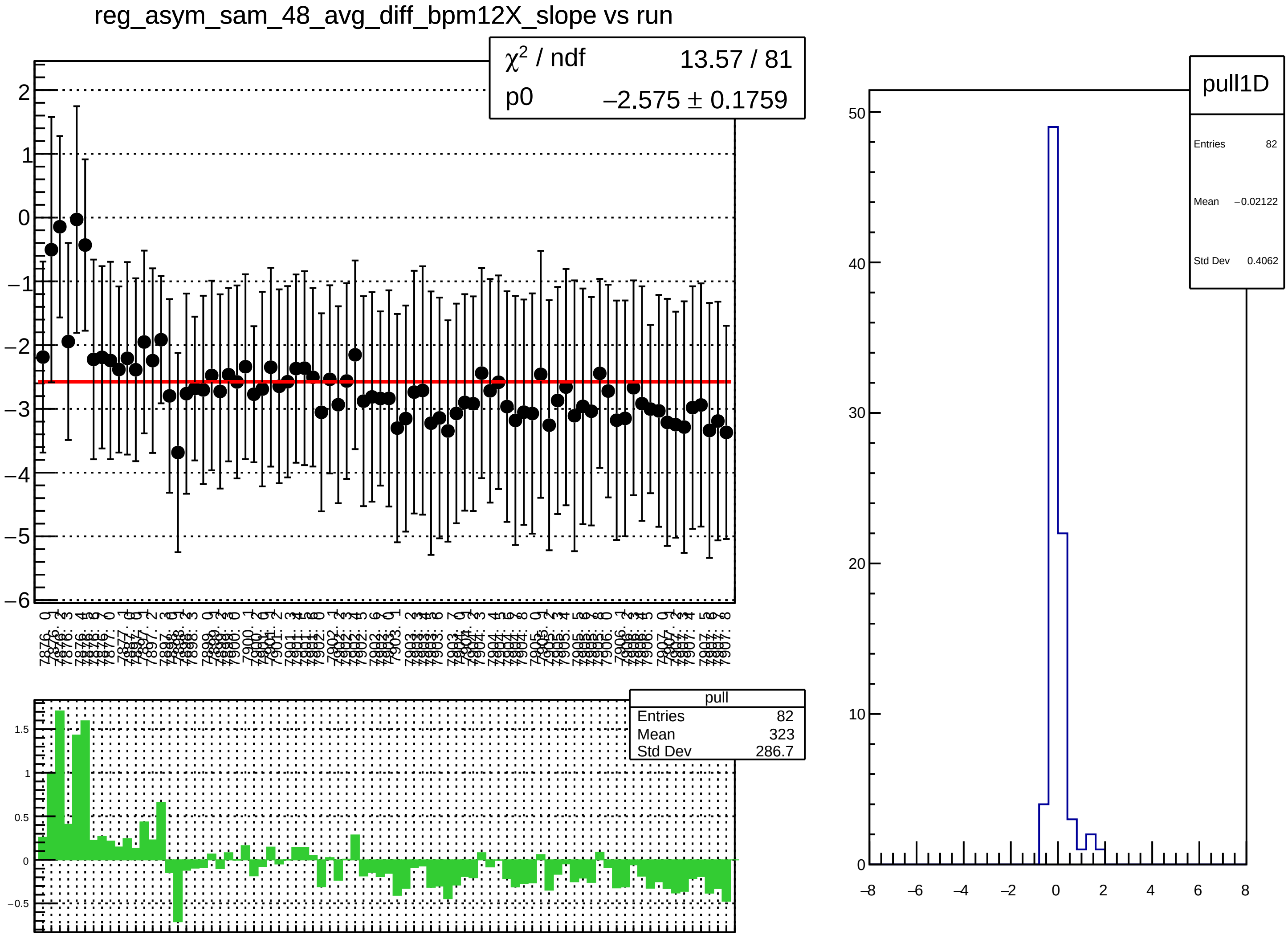
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ2 / ndf 85.18 / 81
p0 37.69 ± 4.302
pull
Entries 82
Mean 67.33
Std Dev 25.4
pull1D
Entries 82
Mean 0.3451
Std Dev 0.959



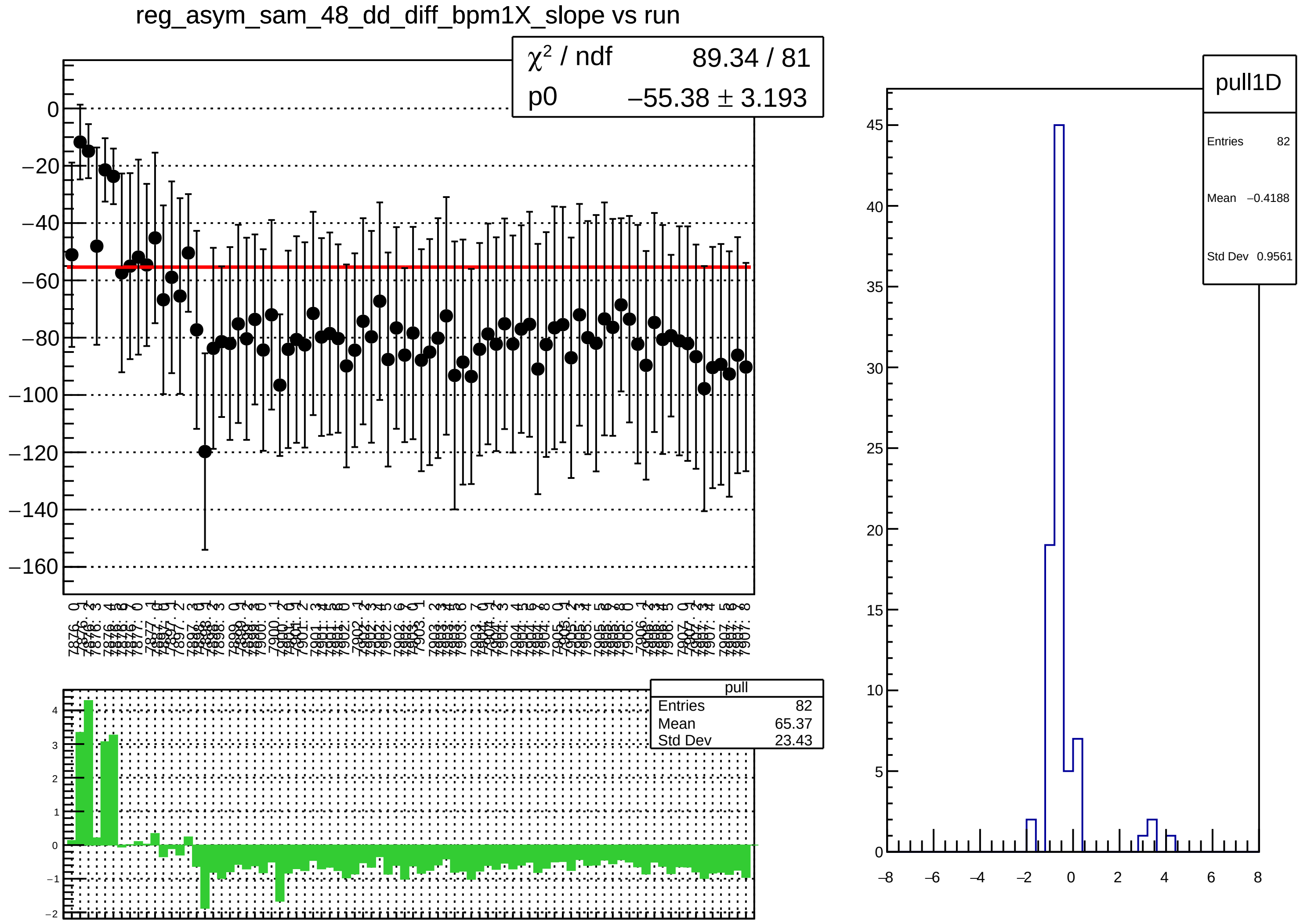
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ2 / ndf 165.8 / 81
p0 −72.24 ± 3.259
50
0
−50
−100
−150
pull
Entries 82
Mean 60.34
Std Dev 15.82
pull1D
Entries 82
Mean 0.6375
Std Dev 1.271



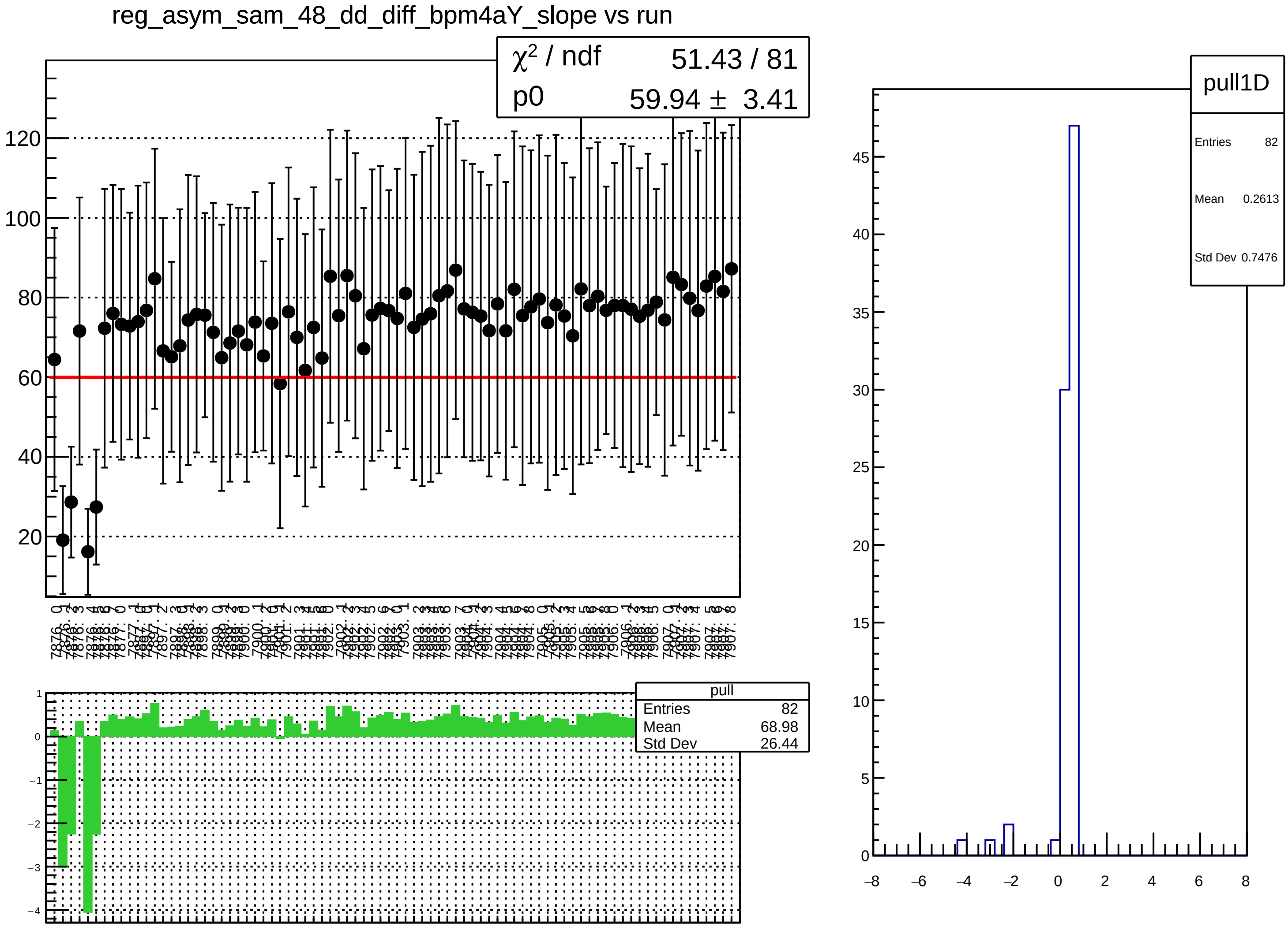
reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 59.16 / 81
p0 62.43 ± 5.3
pull
Entries 82
Mean 81.86
Std Dev 43.74
pull1D
Entries 82
Mean −0.1974
Std Dev 0.8261



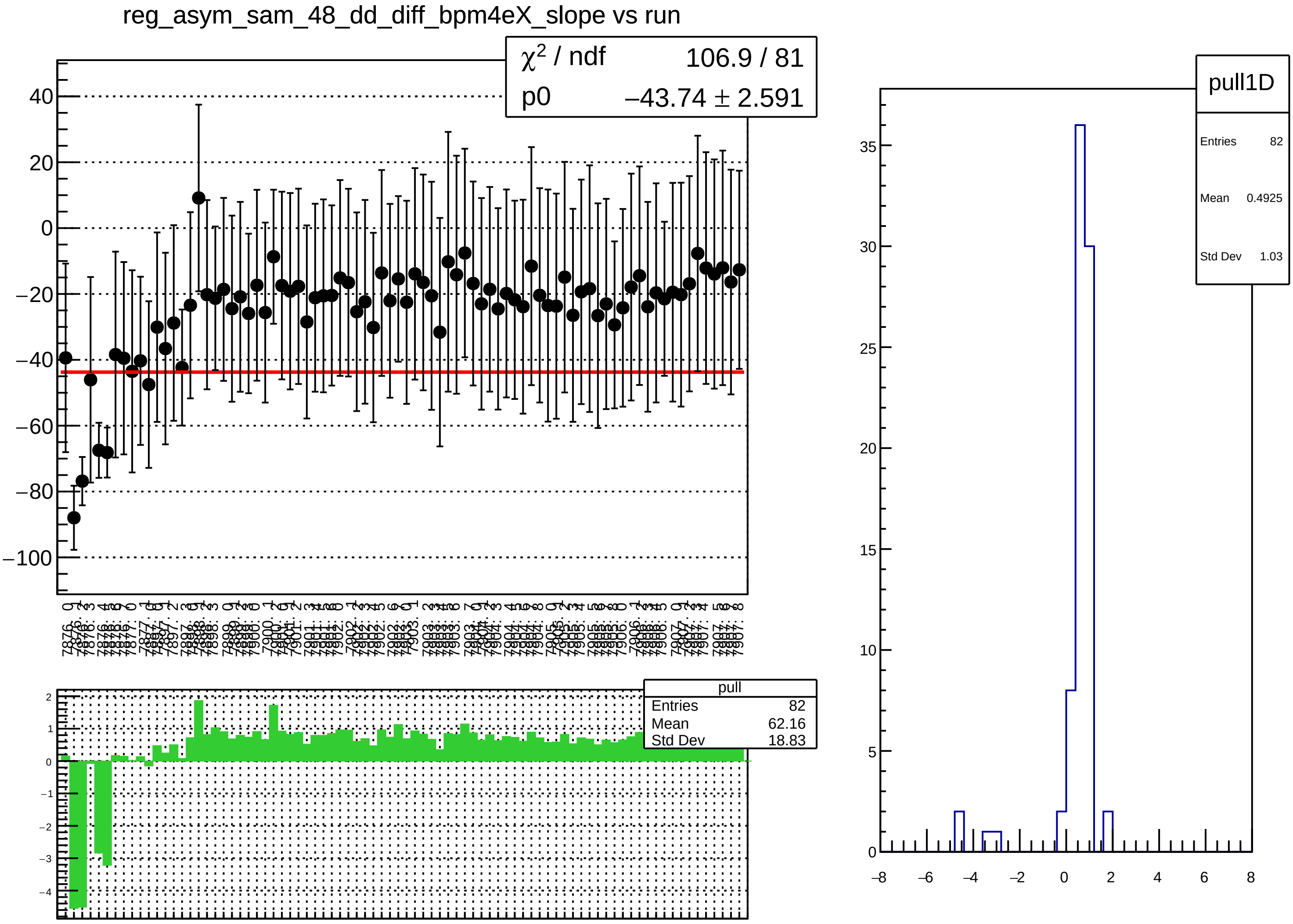
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.57 / 81
p0 −2.575 ± 0.1759
pull
Entries 82
Mean 323
Std Dev 286.7
pull1D
Entries 82
Mean −0.02122
Std Dev 0.4062



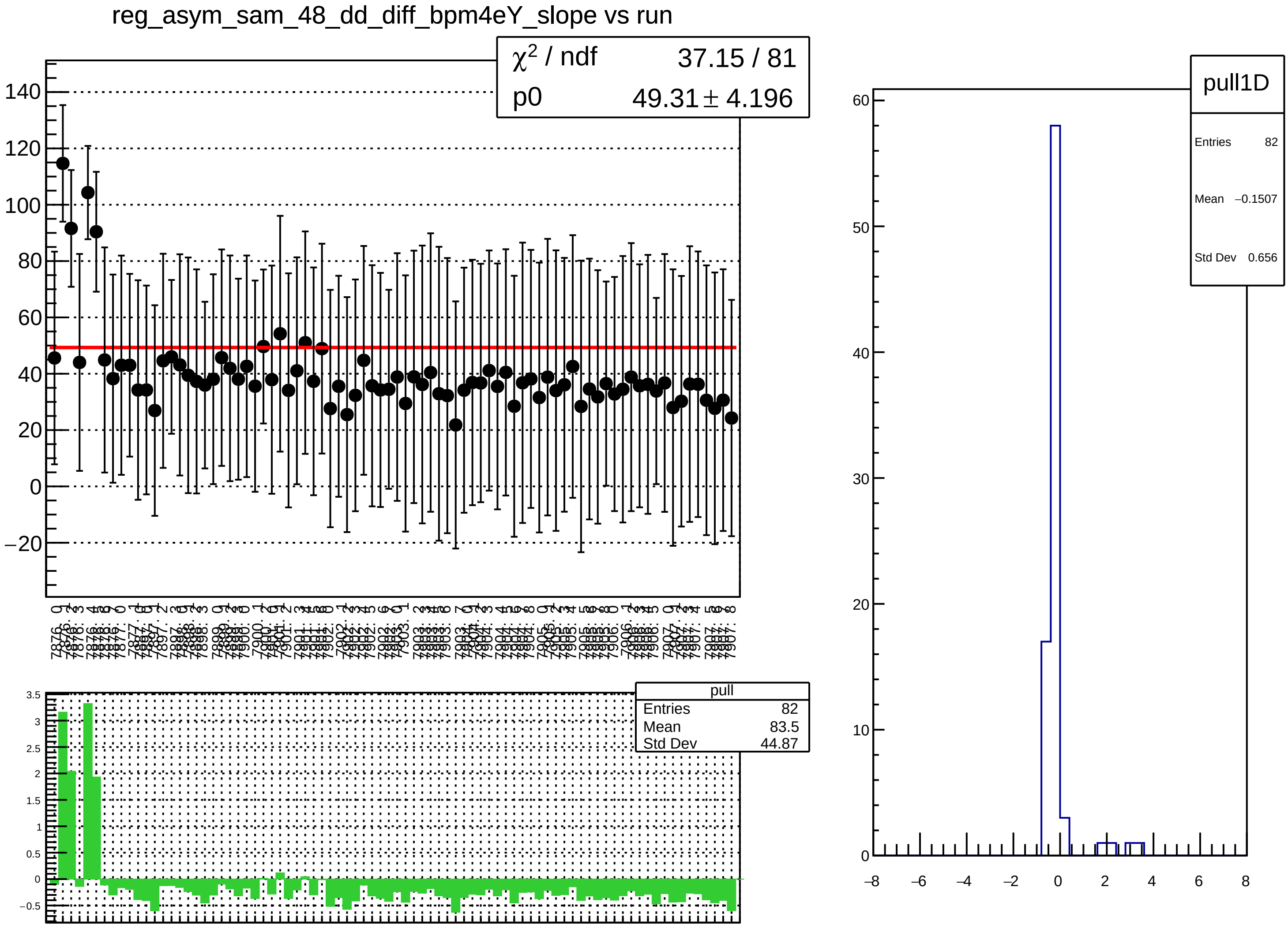
reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 89.34 / 81
p0 −55.38 ± 3.193
pull
Entries 82
Mean 65.37
Std Dev 23.43
pull1D
Entries 82
Mean −0.4188
Std Dev 0.9561



reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 51.43 / 81
p0 59.94 ± 3.41
pull
Entries 82
Mean 68.98
Std Dev 26.44
pull1D
Entries 82
Mean 0.2613
Std Dev 0.7476

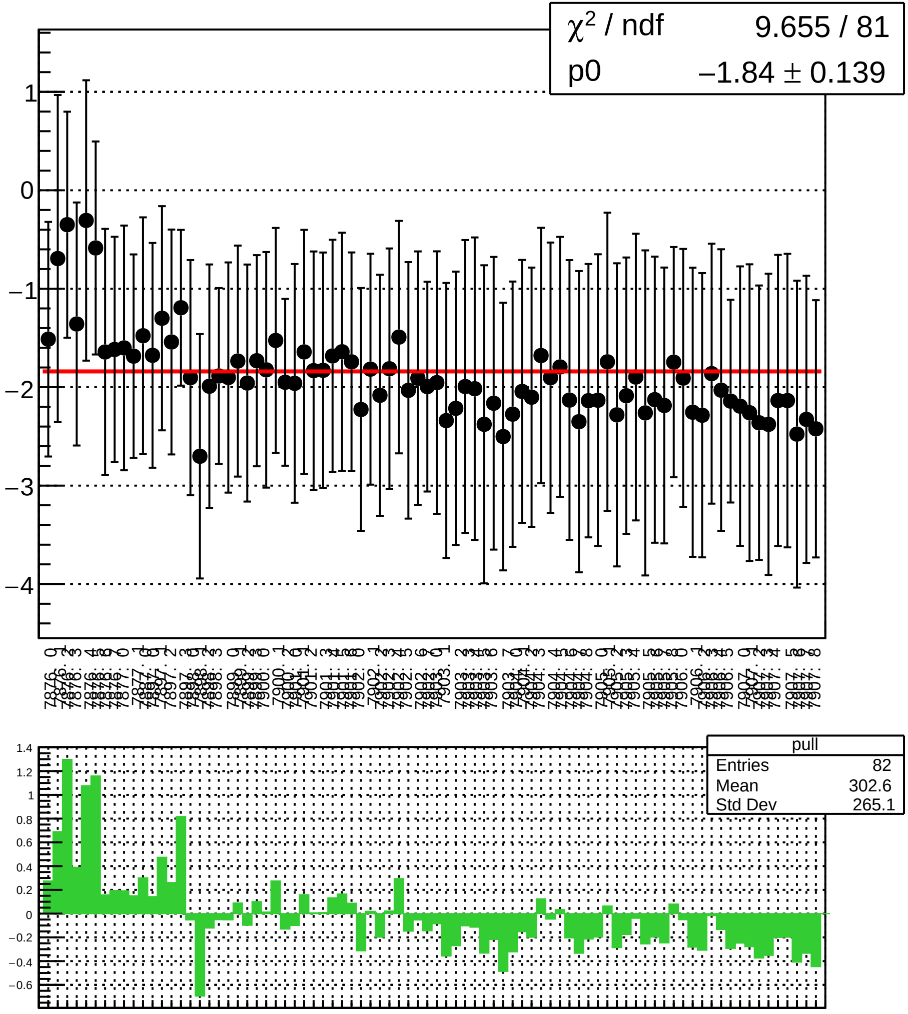


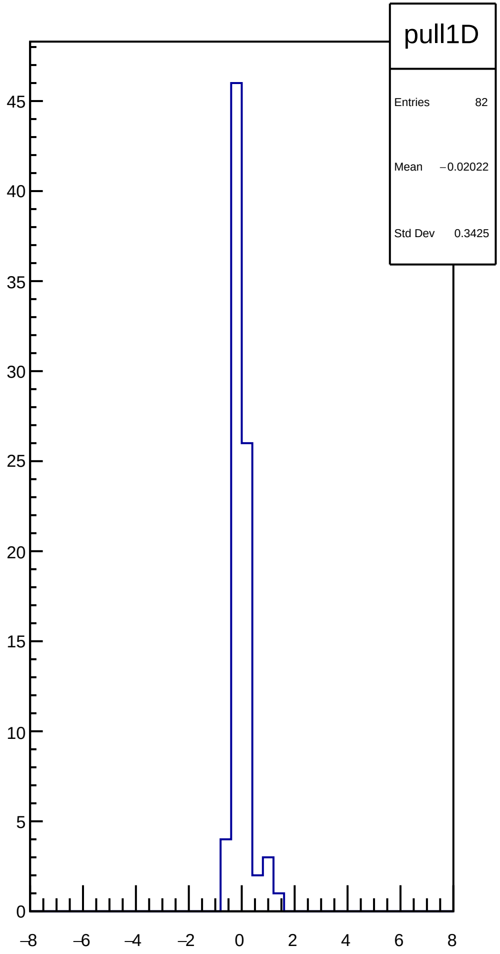
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 106.9 / 81
p0 −43.74 ± 2.591
pull
Entries 82
Mean 62.16
Std Dev 18.83
pull1D
Entries 82
Mean 0.4925
Std Dev 1.03



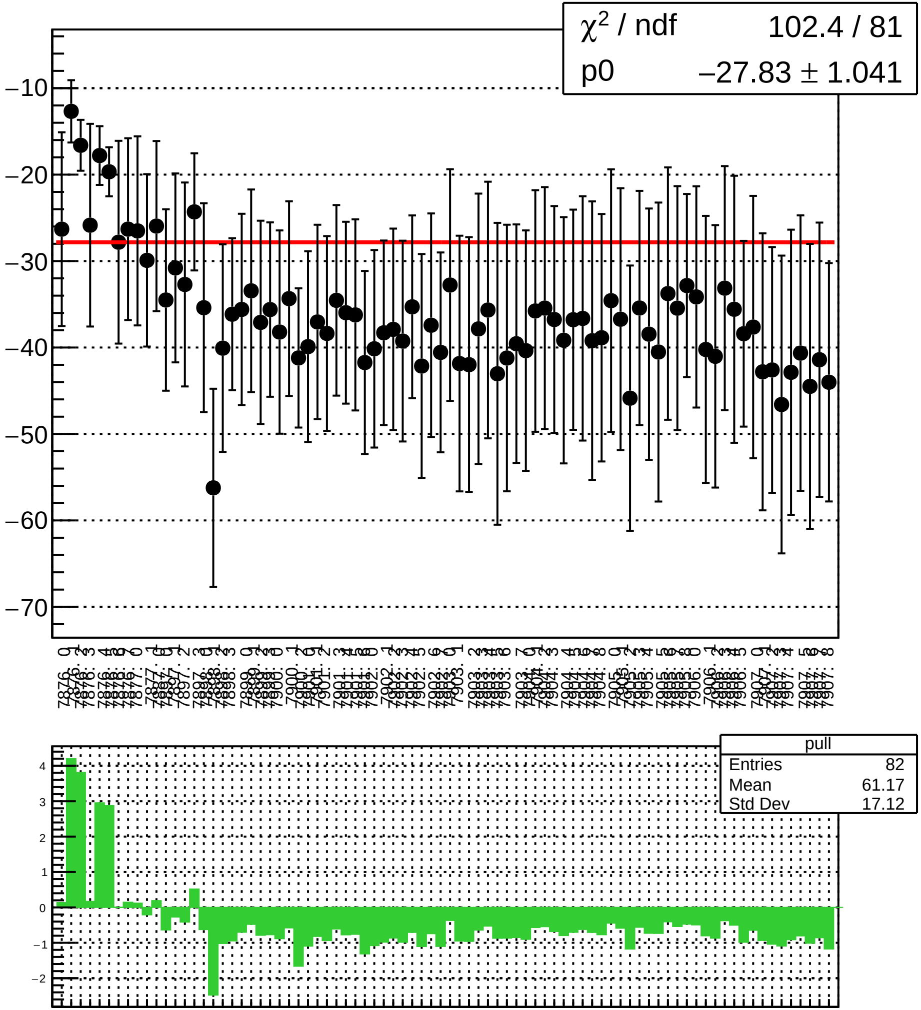
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 37.15 / 81
p0 49.31 ± 4.196
pull
Entries 82
Mean 83.5
Std Dev 44.87
pull1D
Entries 82
Mean −0.1507
Std Dev 0.656

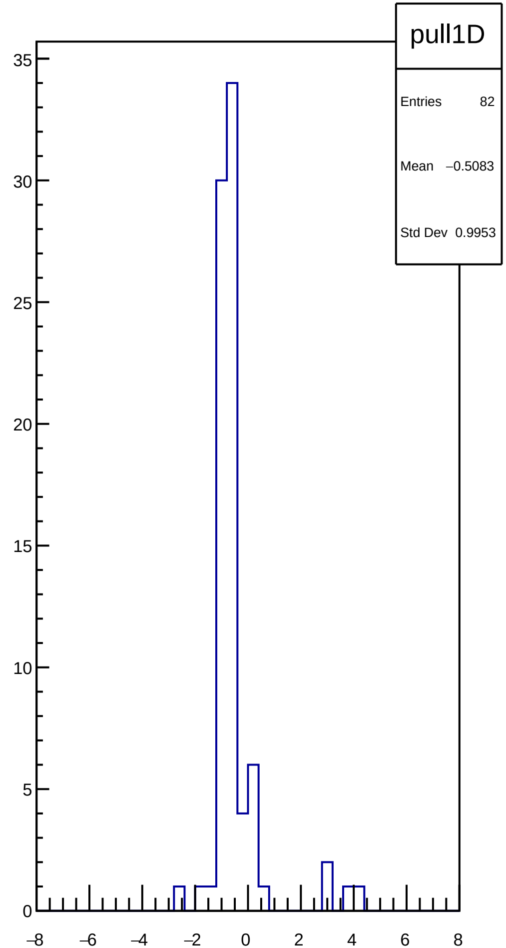
reg_asym_sam_48_dd_diff_bpm12X_slope vs run

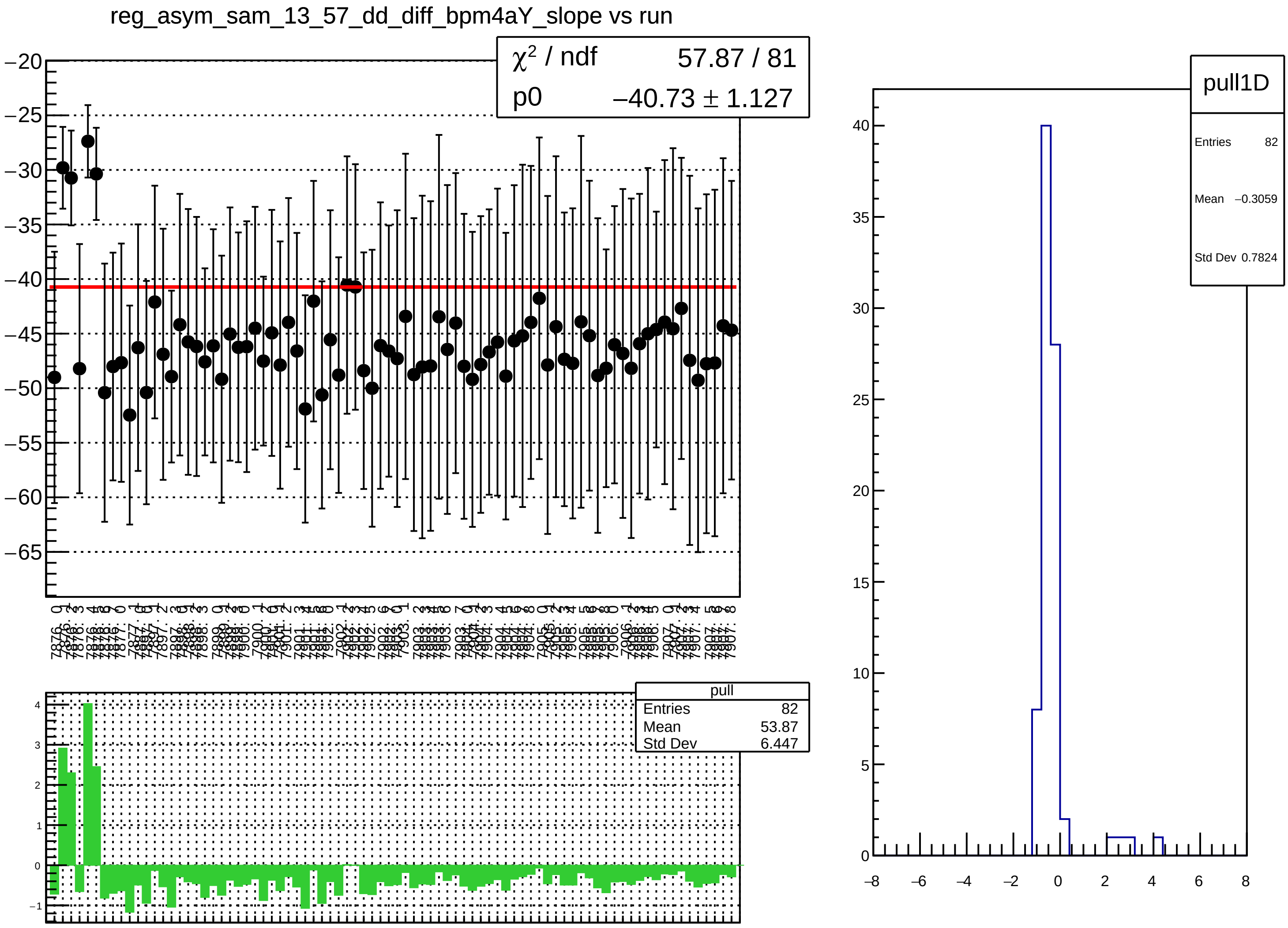




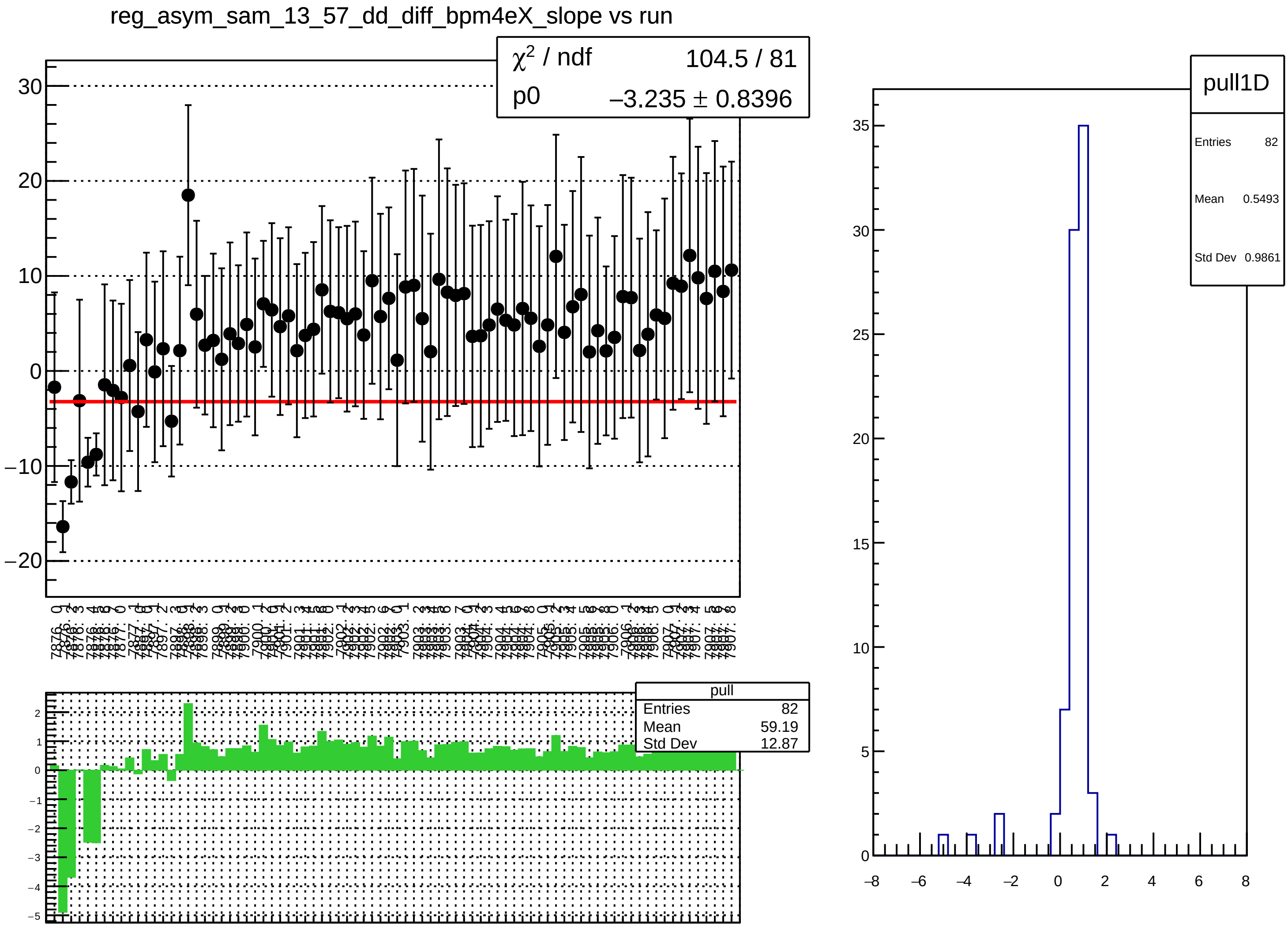
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run



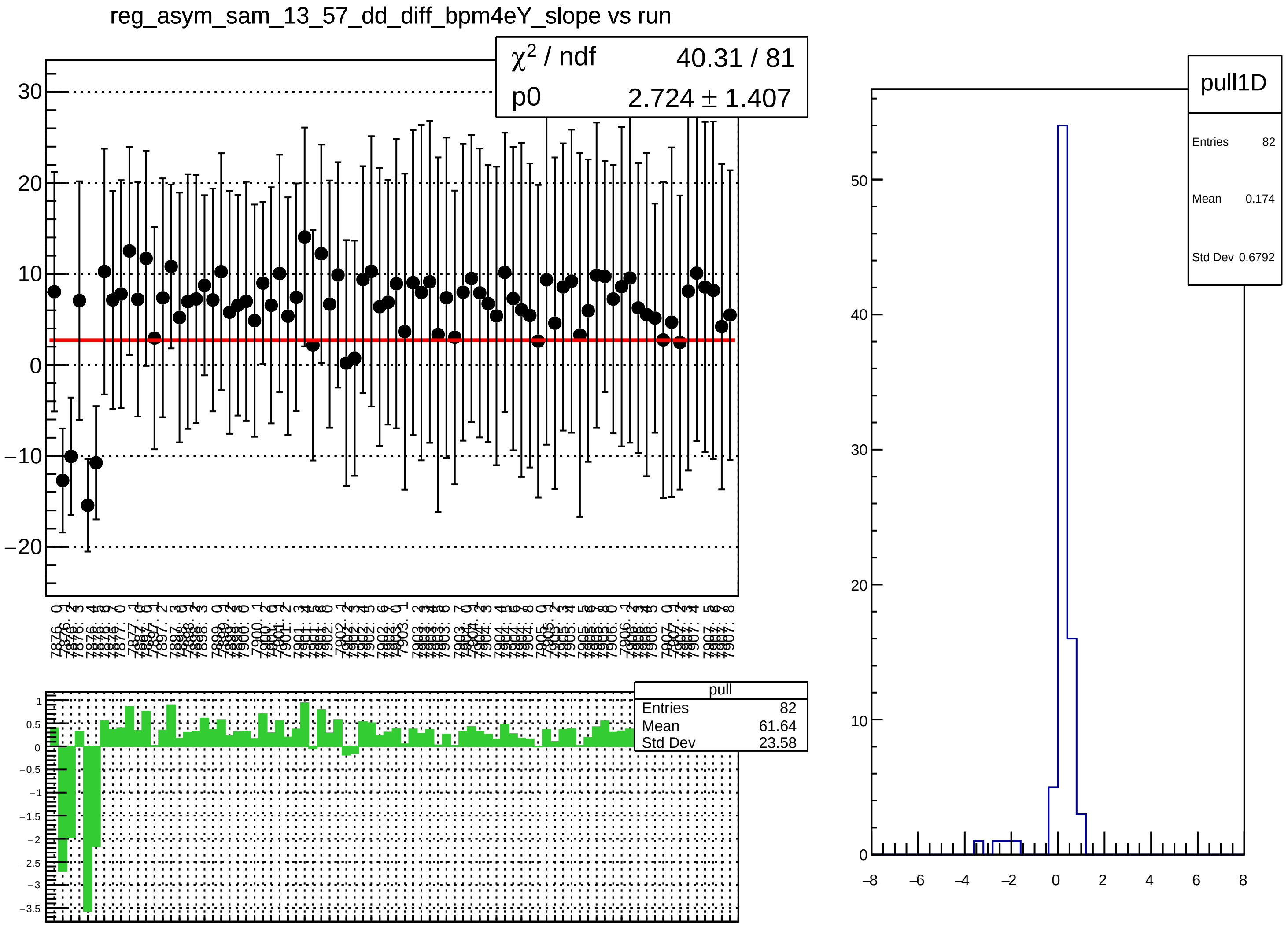




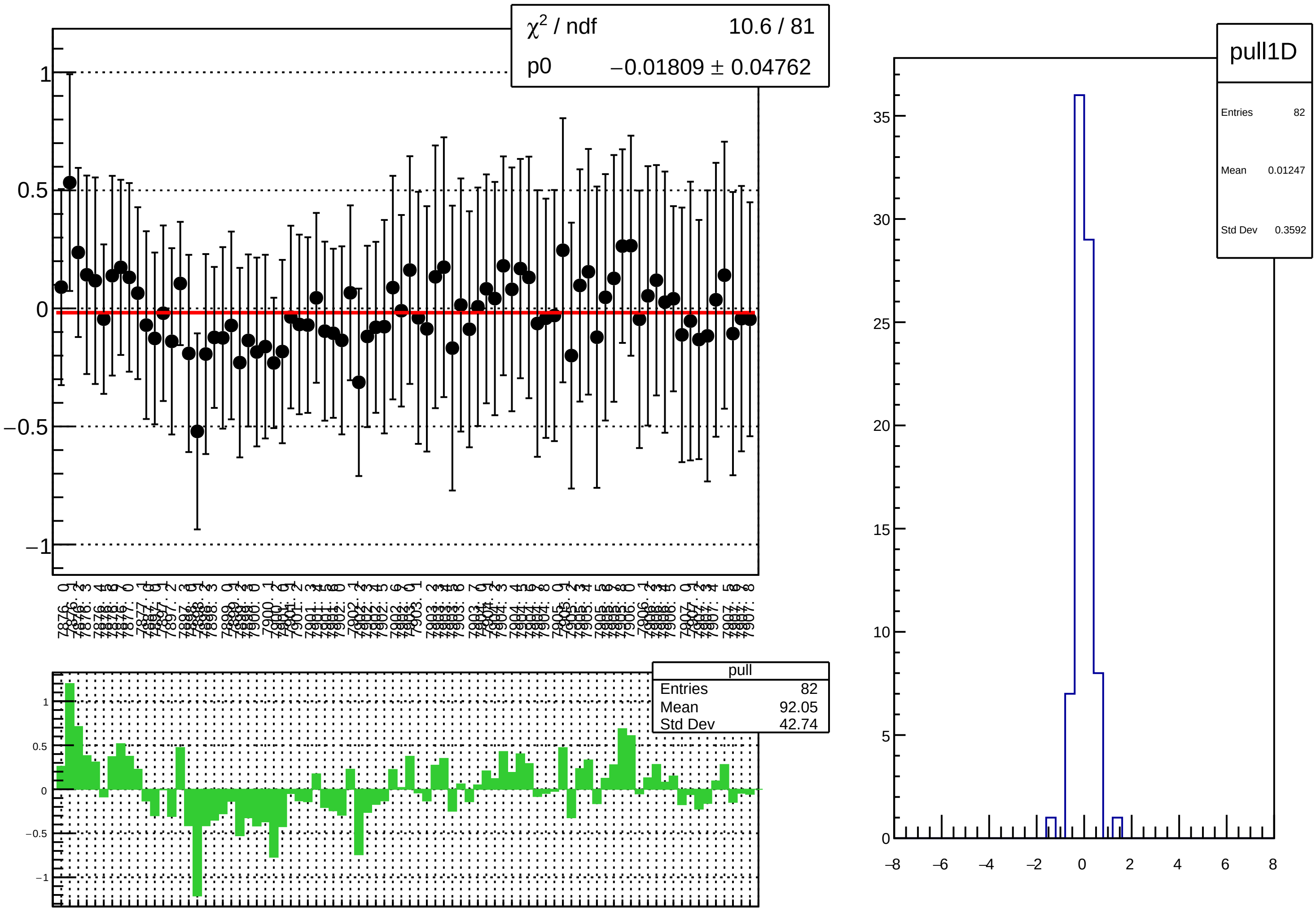
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 57.87 / 81
p0 −40.73 ± 1.127
pull
Entries 82
Mean 53.87
Std Dev 6.447
pull1D
Entries 82
Mean −0.3059
Std Dev 0.7824

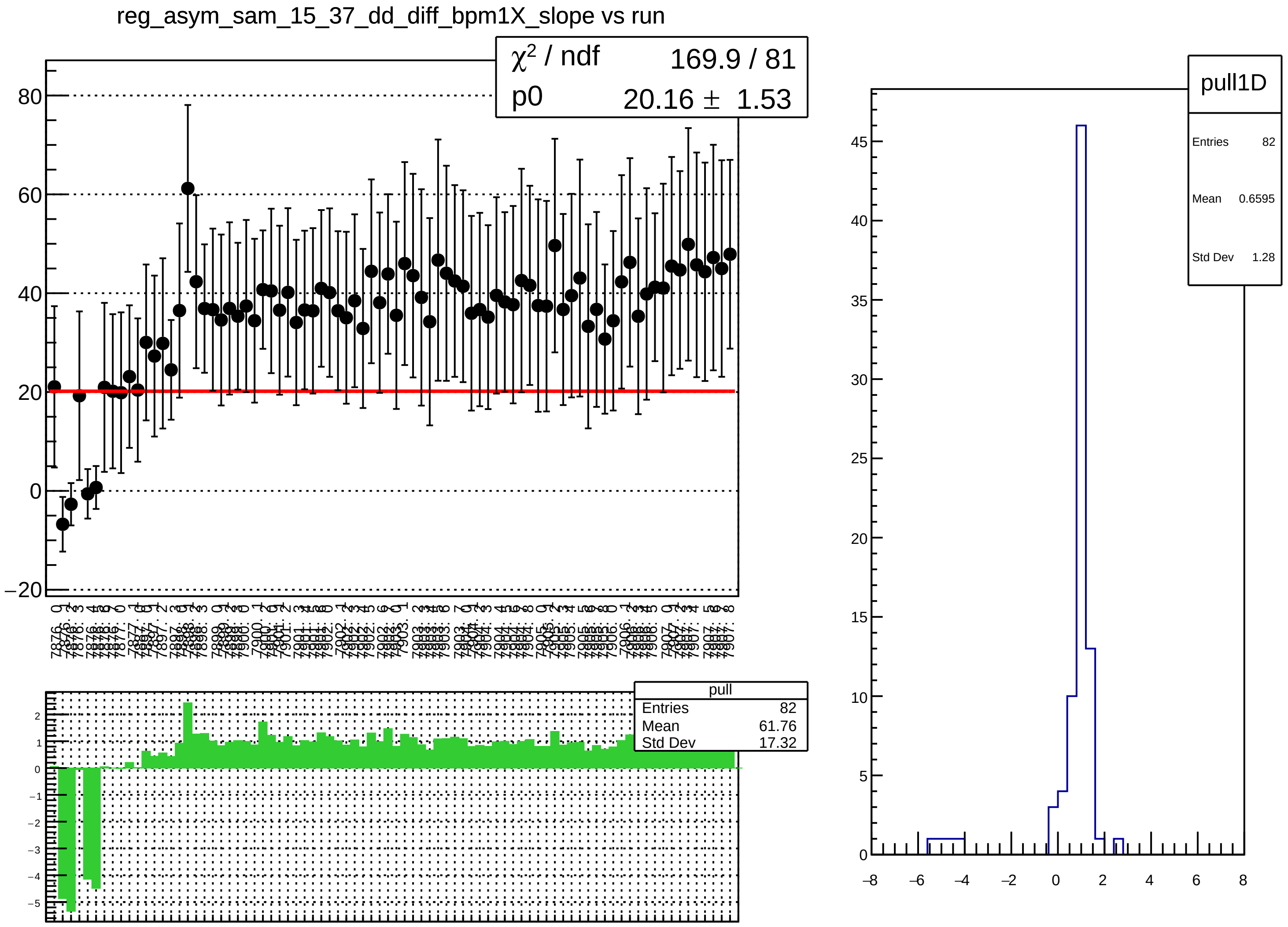


reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 104.5 / 81
p0 −3.235 ± 0.8396
pull
Entries 82
Mean 59.19
Std Dev 12.87
pull1D
Entries 82
Mean 0.5493
Std Dev 0.9861

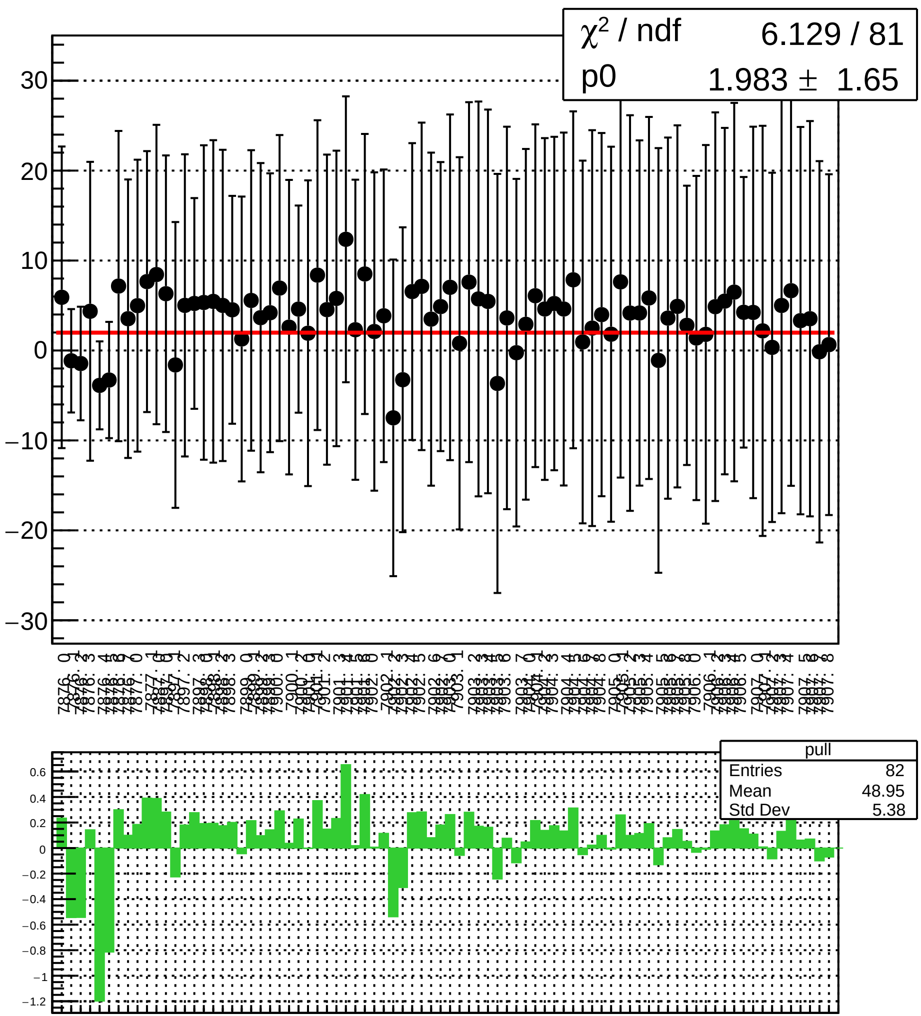

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 40.31 / 81
p0 2.724 ± 1.407
pull
Entries 82
Mean 61.64
Std Dev 23.58
pull1D
Entries 82
Mean 0.174
Std Dev 0.6792

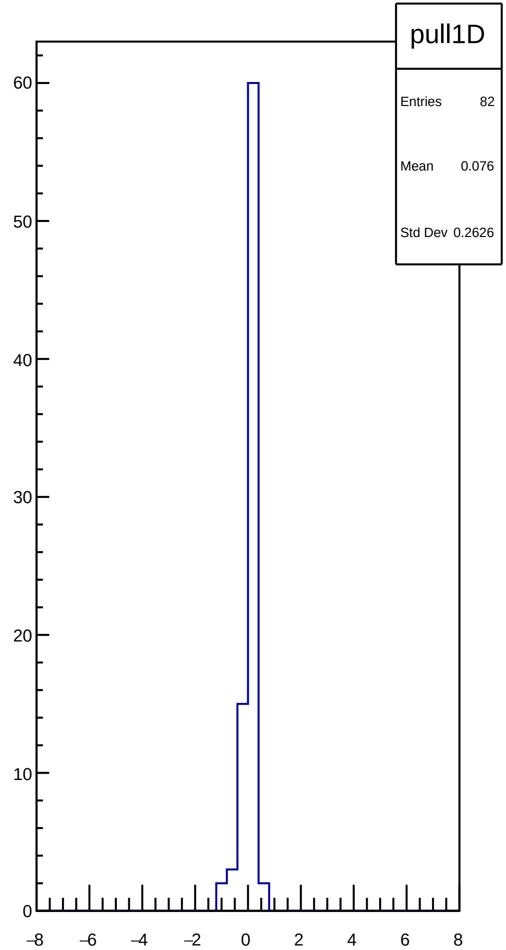
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run

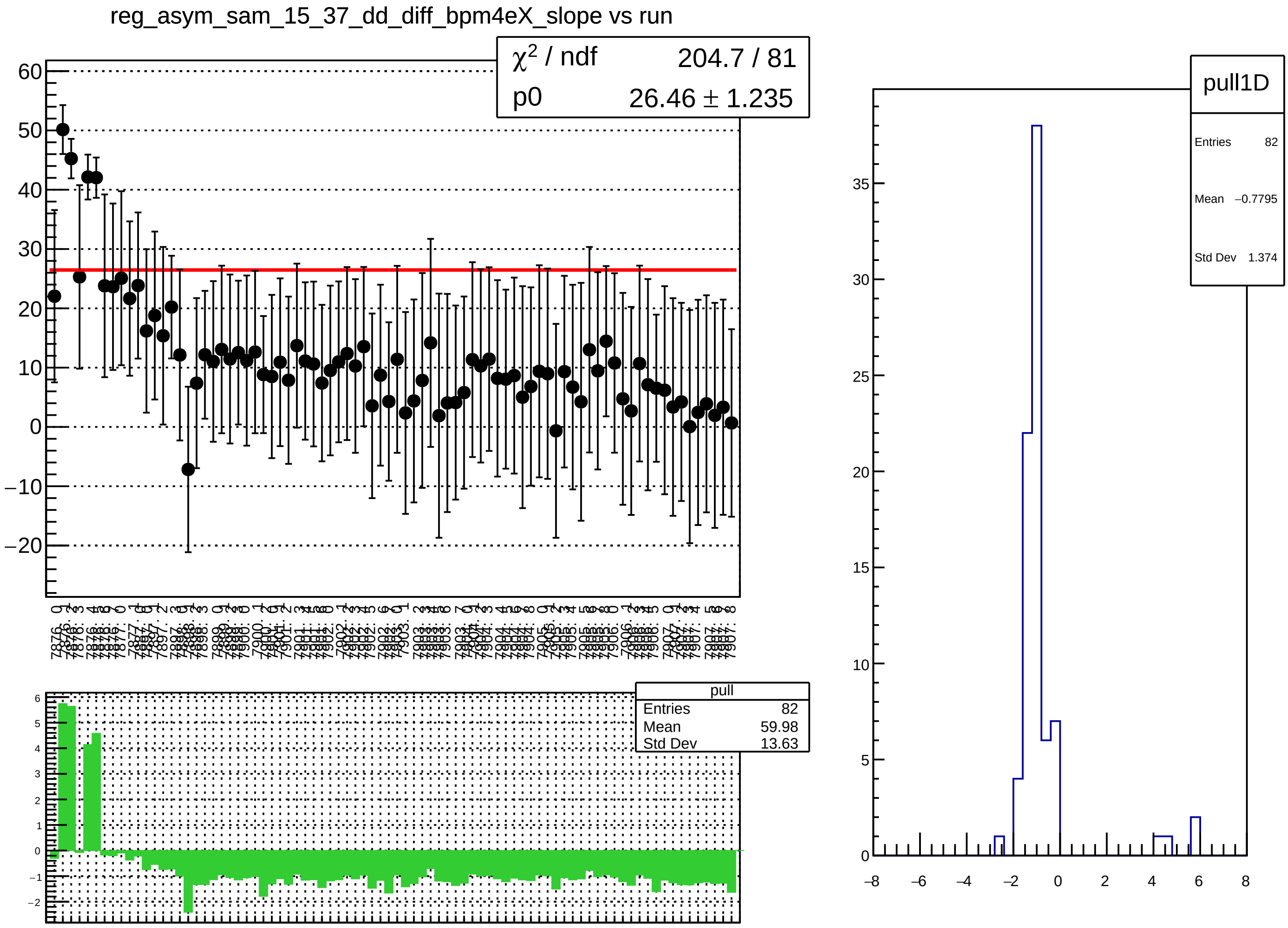



reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 169.9 / 81
p0 20.16 ± 1.53
pull
Entries 82
Mean 61.76
Std Dev 17.32
pull1D
Entries 82
Mean 0.6595
Std Dev 1.28

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run

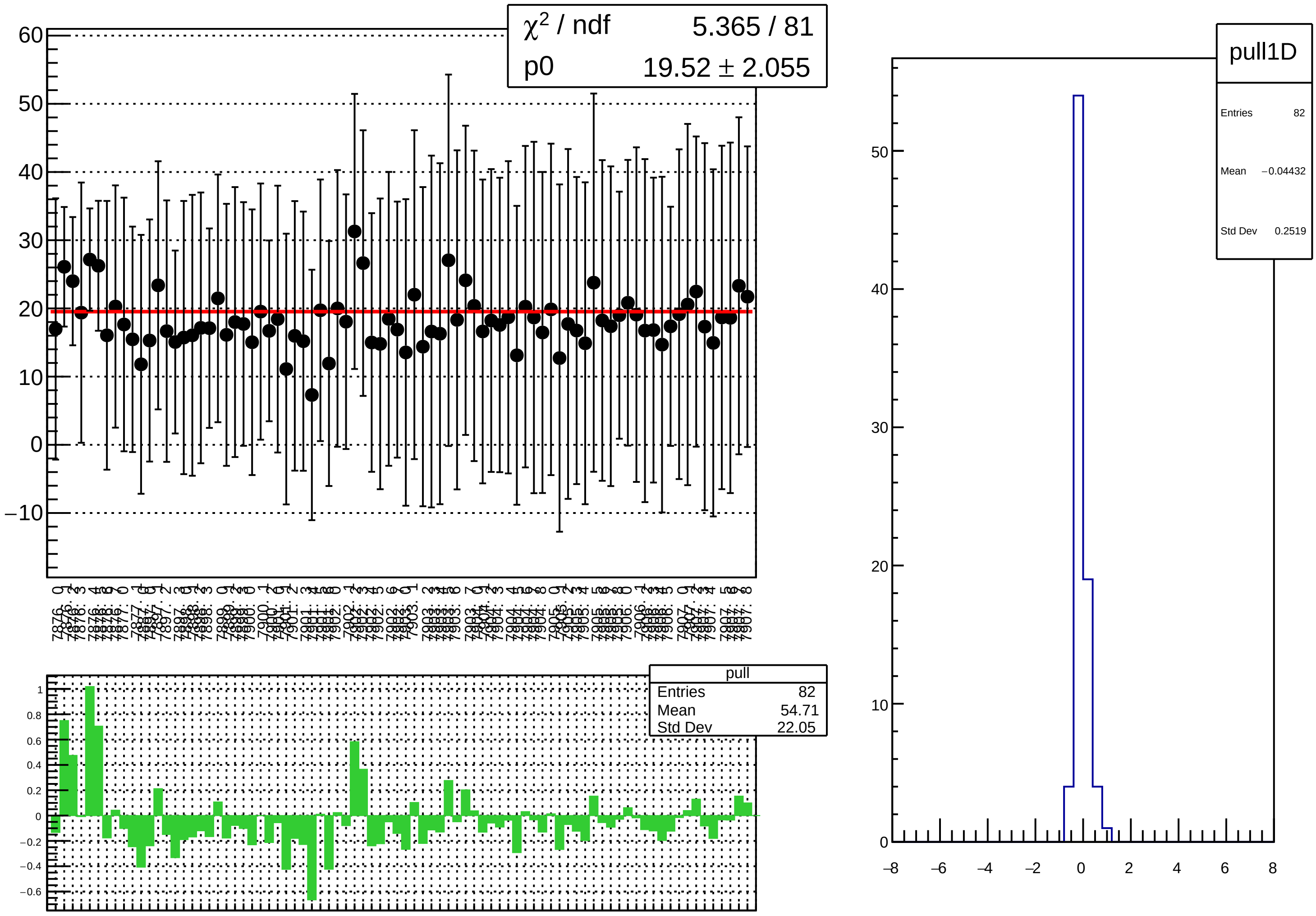


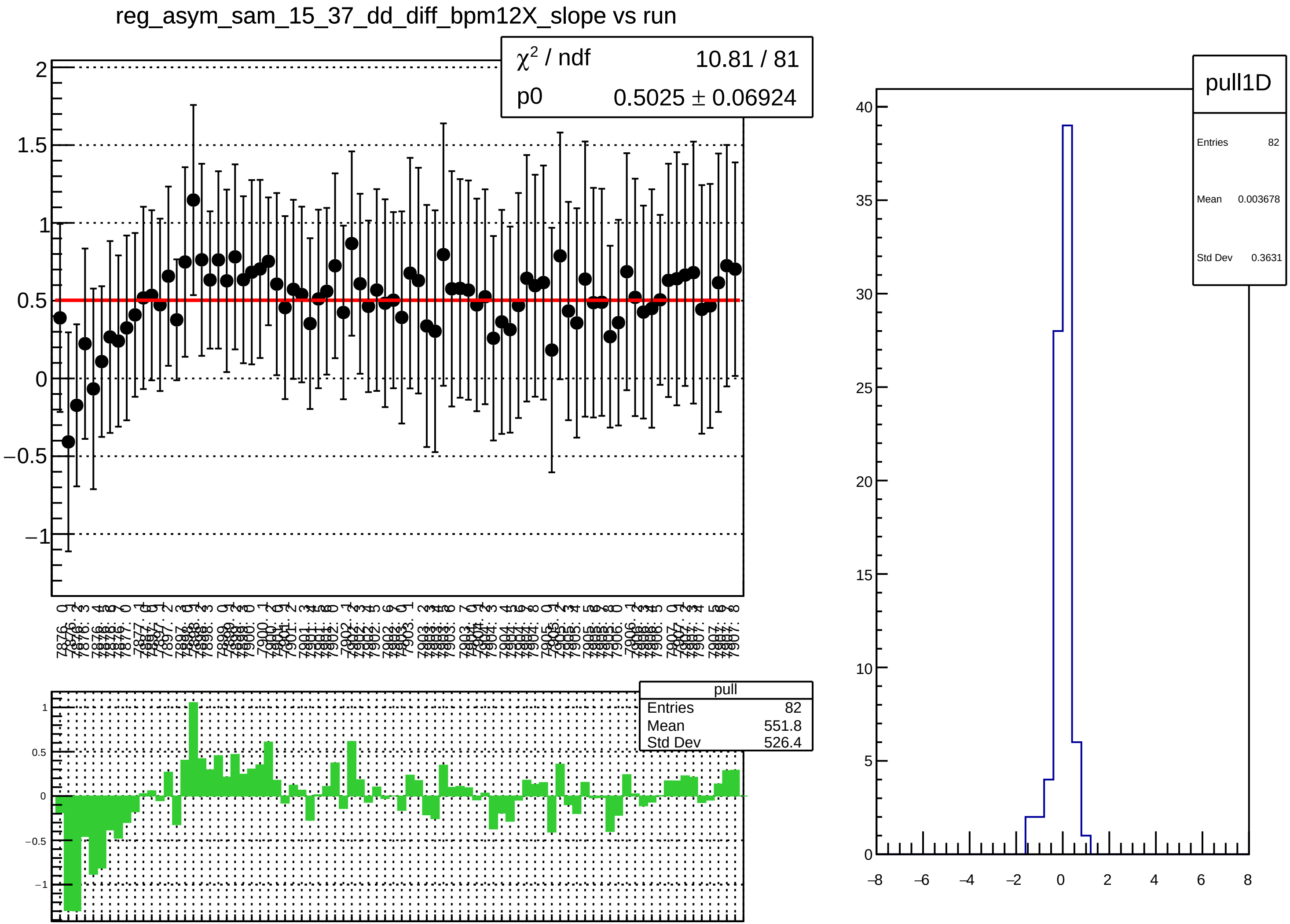




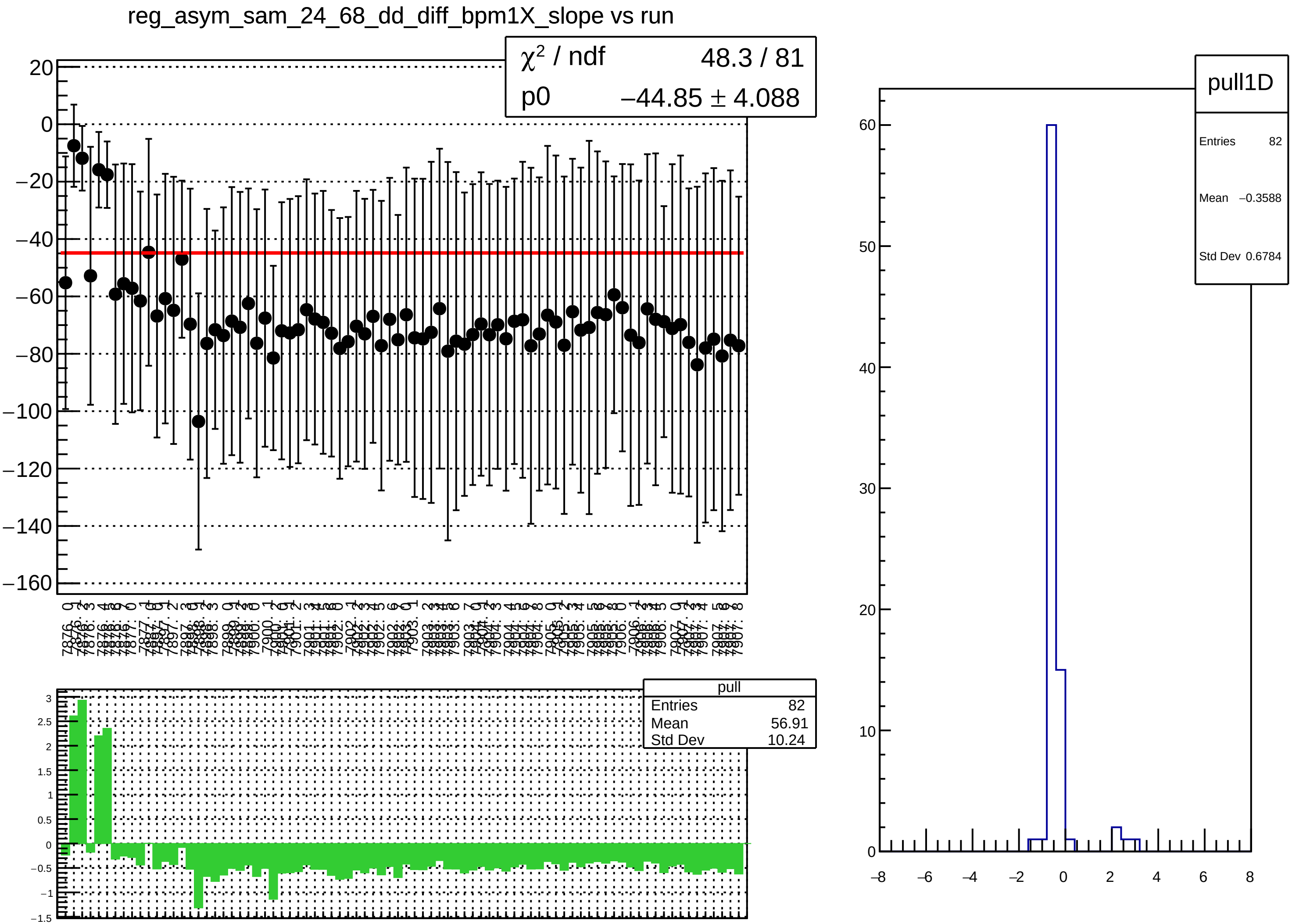
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 204.7 / 81
p0 26.46 ± 1.235
pull
Entries 82
Mean 59.98
Std Dev 13.63
pull1D
Entries 82
Mean −0.7795
Std Dev 1.374

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run

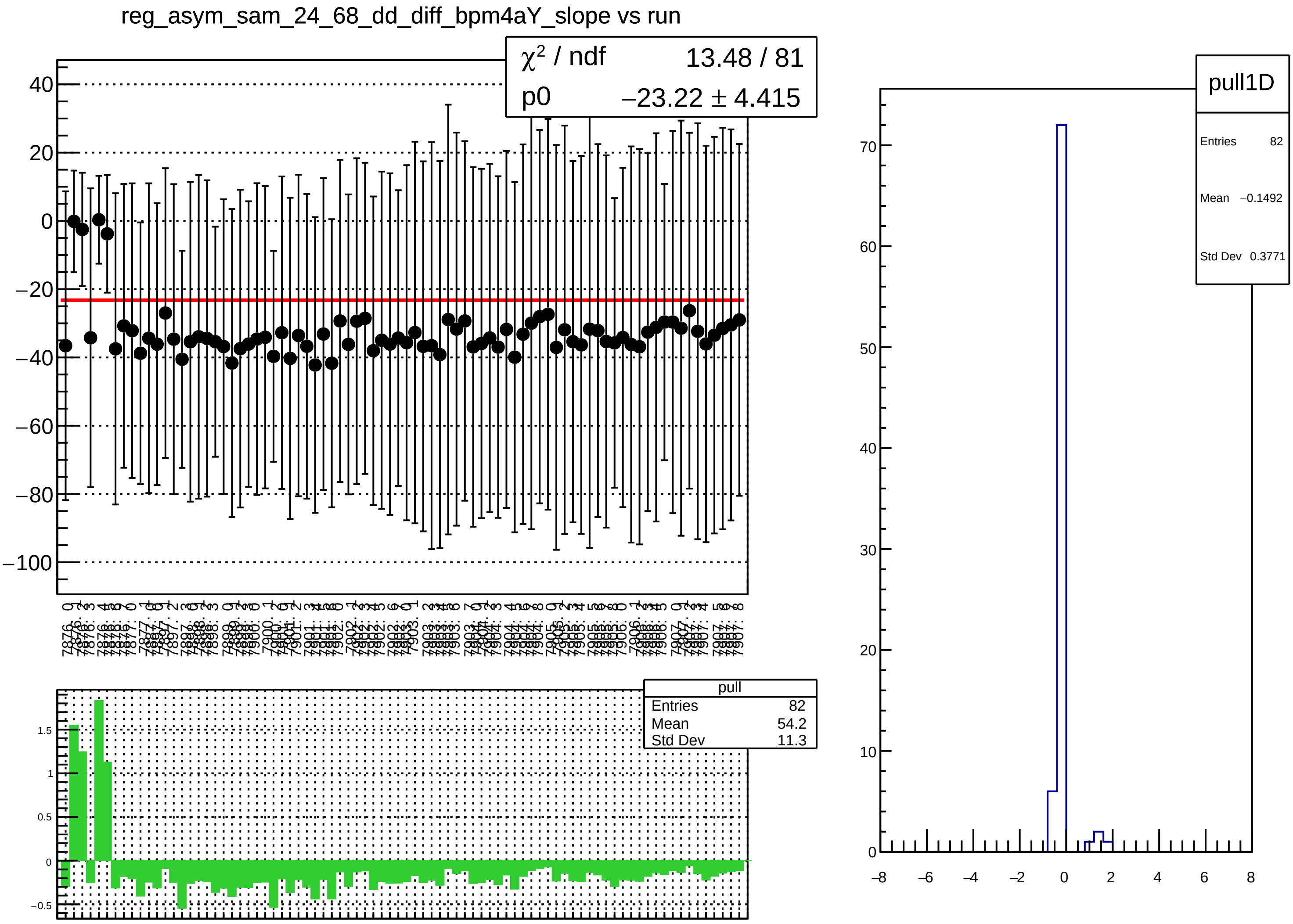




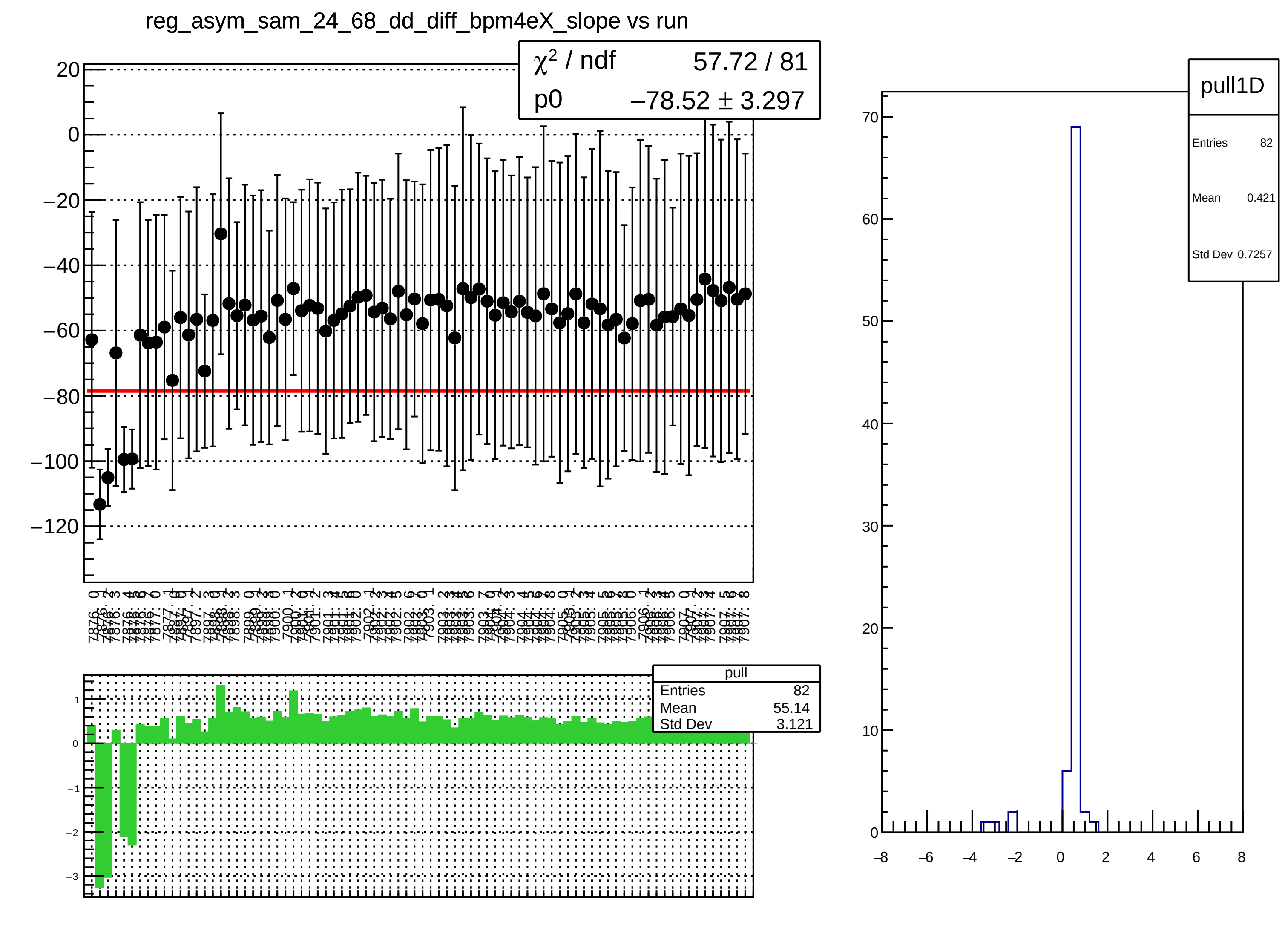
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ2 / ndf 10.81 / 81
p0 0.5025 ± 0.06924
pull
Entries 82
Mean 551.8
Std Dev 526.4
pull1D
Entries 82
Mean 0.003678
Std Dev 0.3631



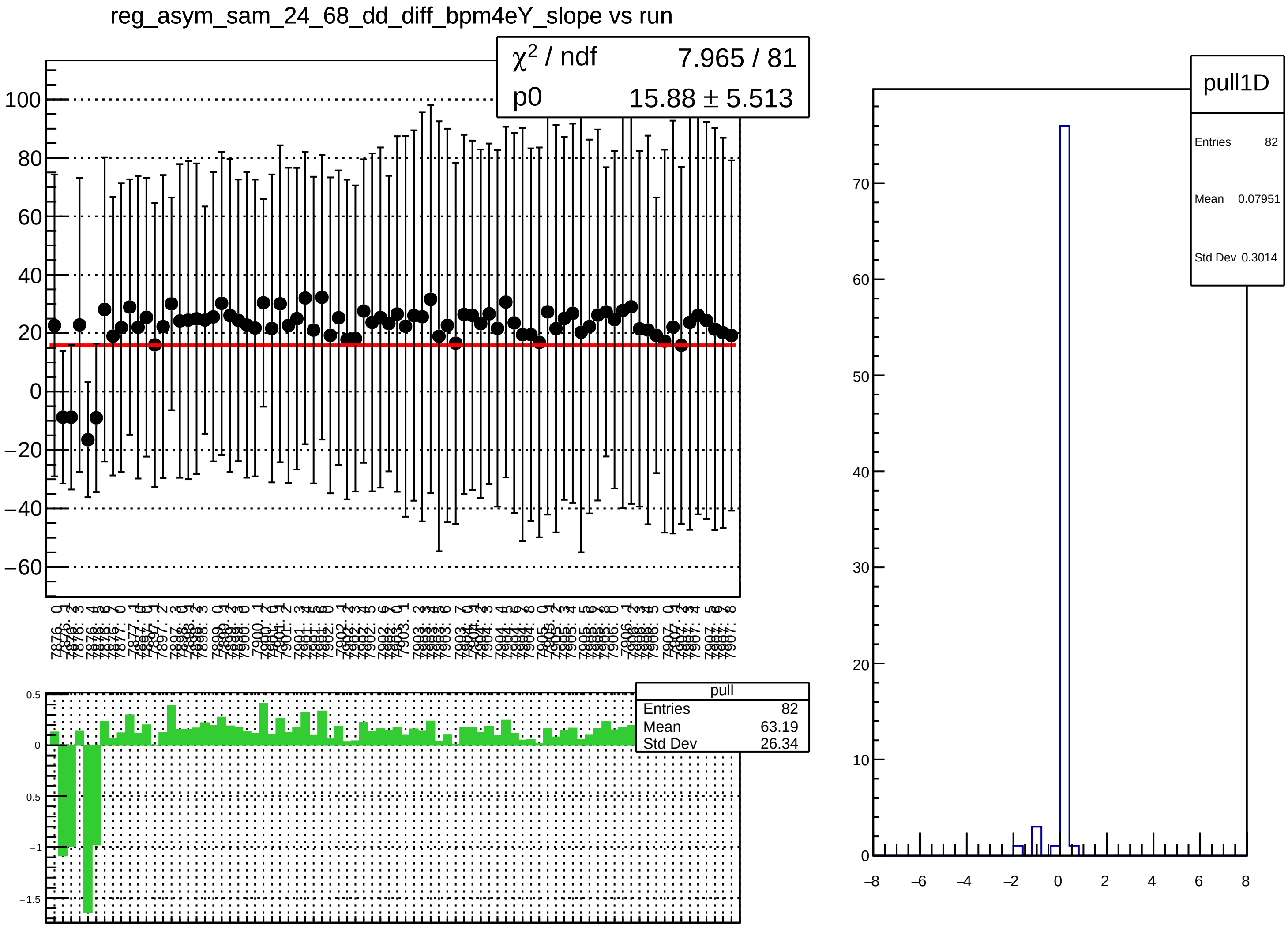
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 48.3 / 81
p0 −44.85 ± 4.088
pull
Entries 82
Mean 56.91
Std Dev 10.24
pull1D
Entries 82
Mean −0.3588
Std Dev 0.6784



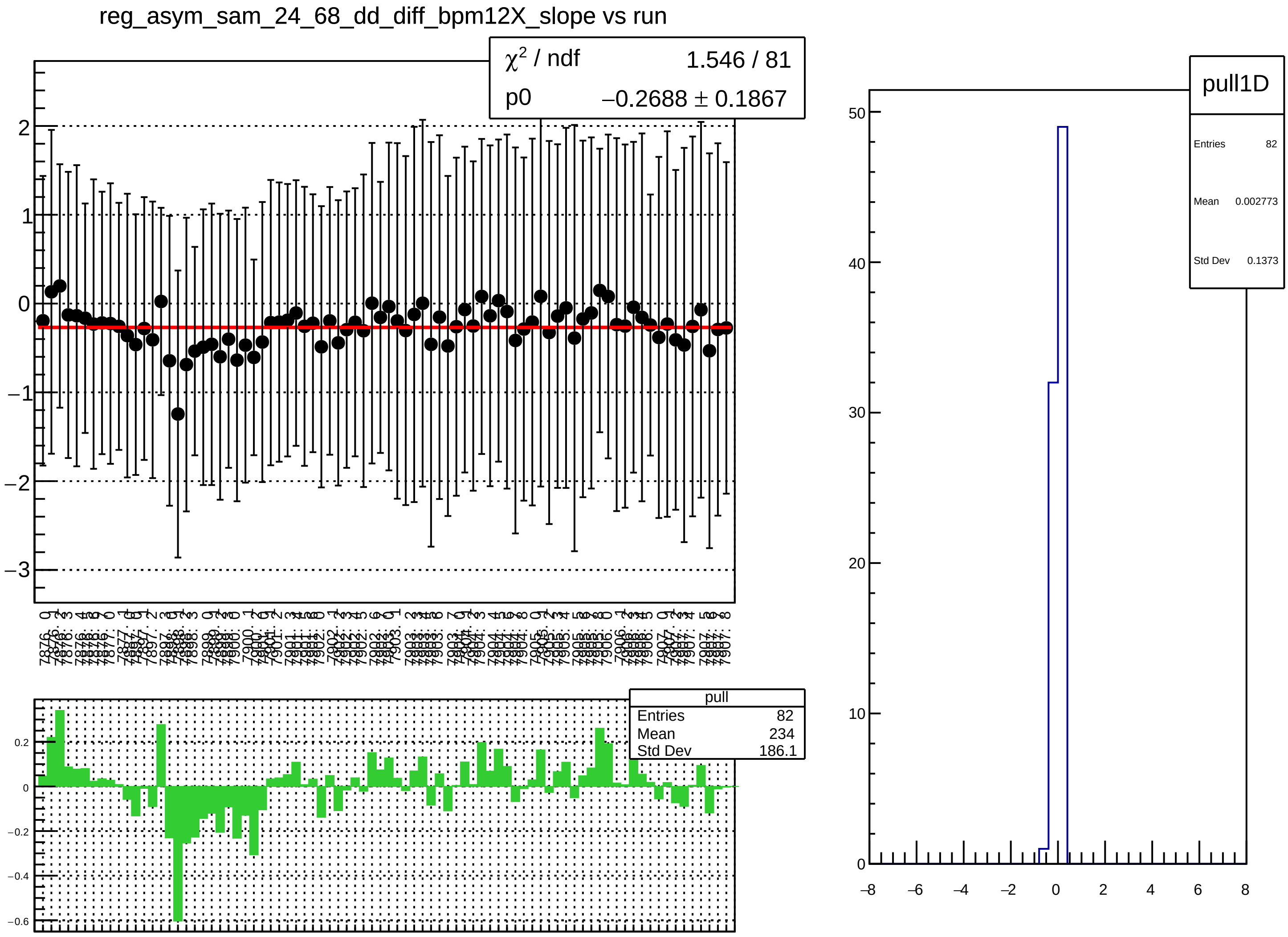
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ2 / ndf 13.48 / 81
p0 −23.22 ± 4.415
pull
Entries 82
Mean 54.2
Std Dev 11.3
pull1D
Entries 82
Mean −0.1492
Std Dev 0.3771



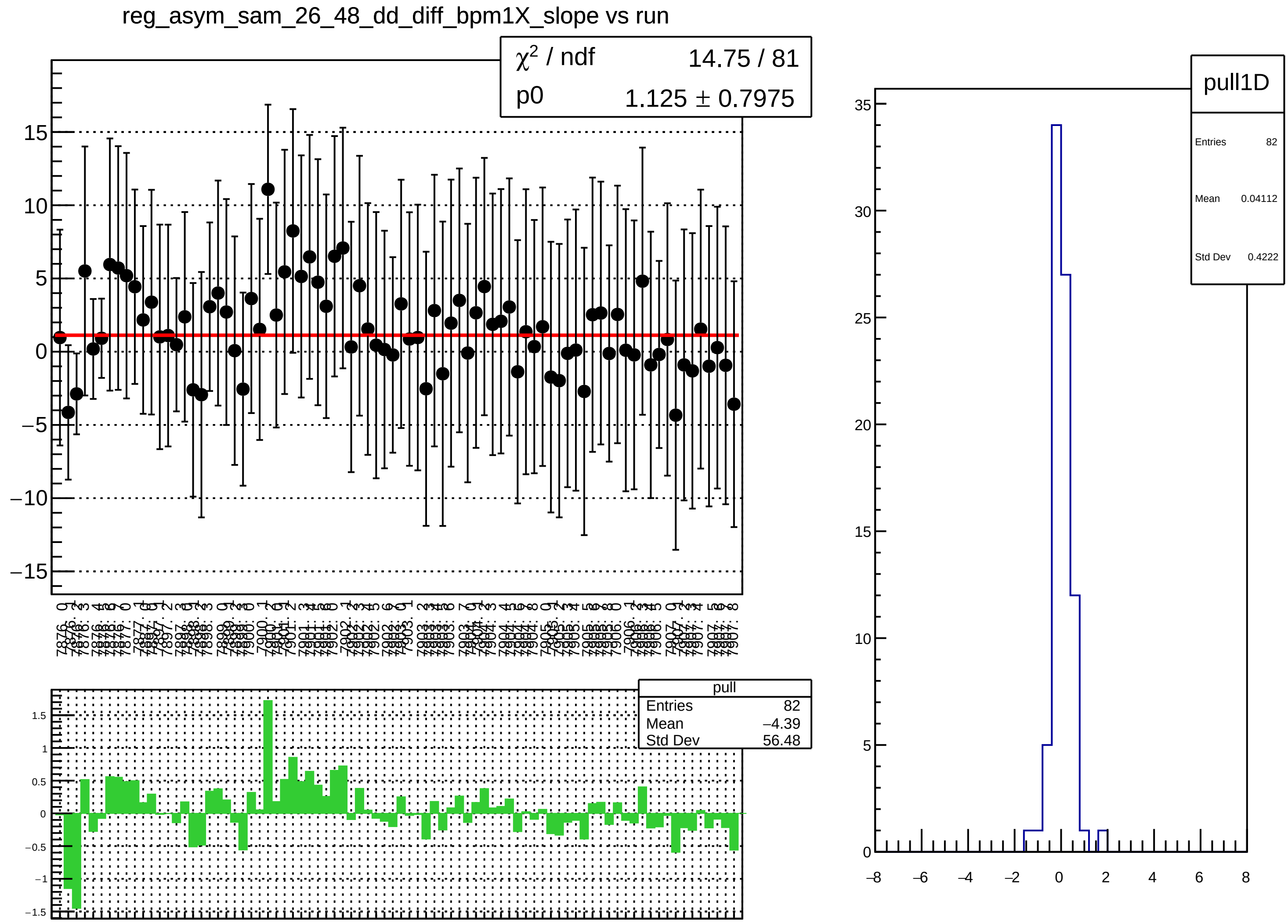
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 57.72 / 81
p0 −78.52 ± 3.297
pull
Entries 82
Mean 55.14
Std Dev 3.121
pull1D
Entries 82
Mean 0.421
Std Dev 0.7257



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

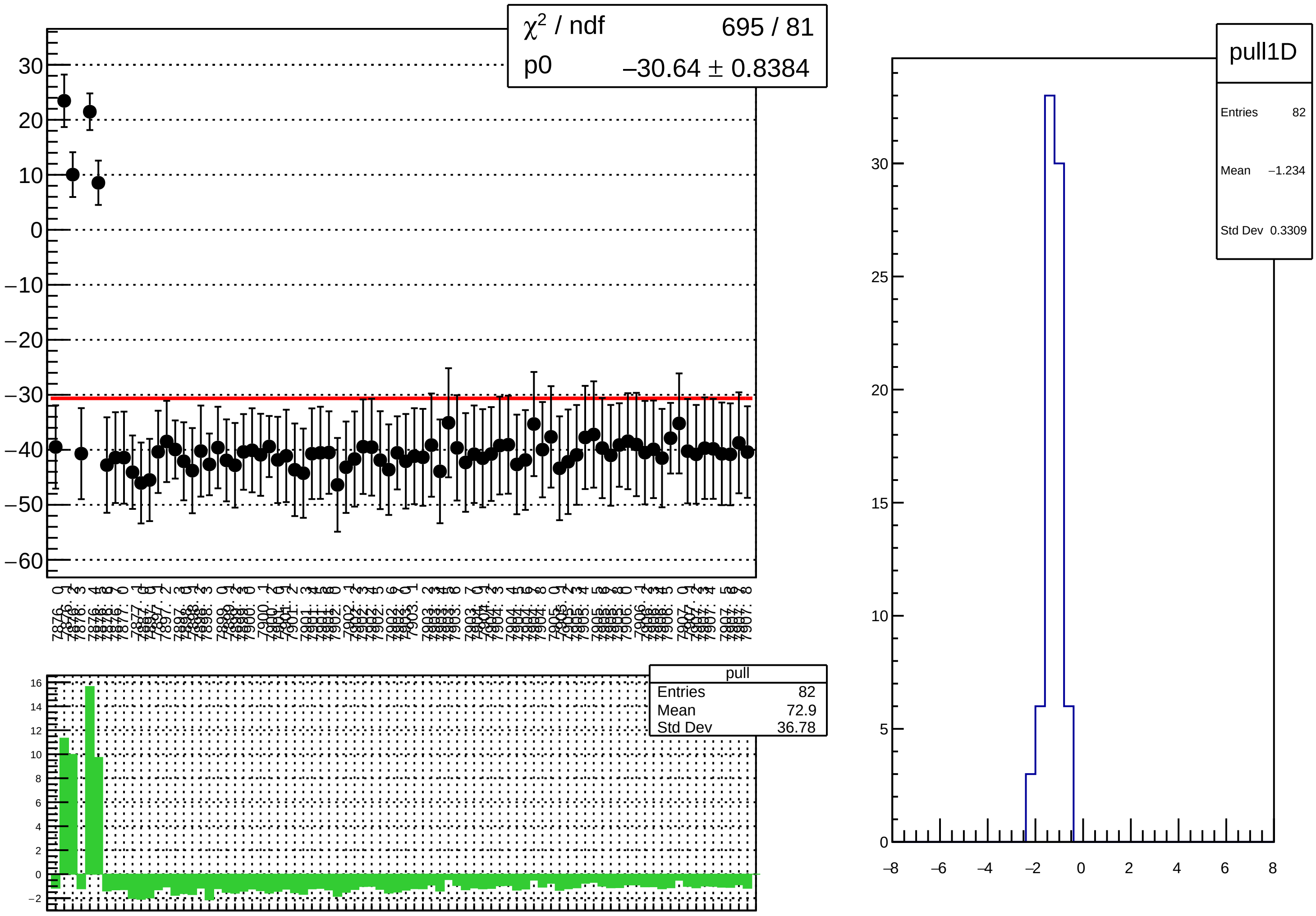


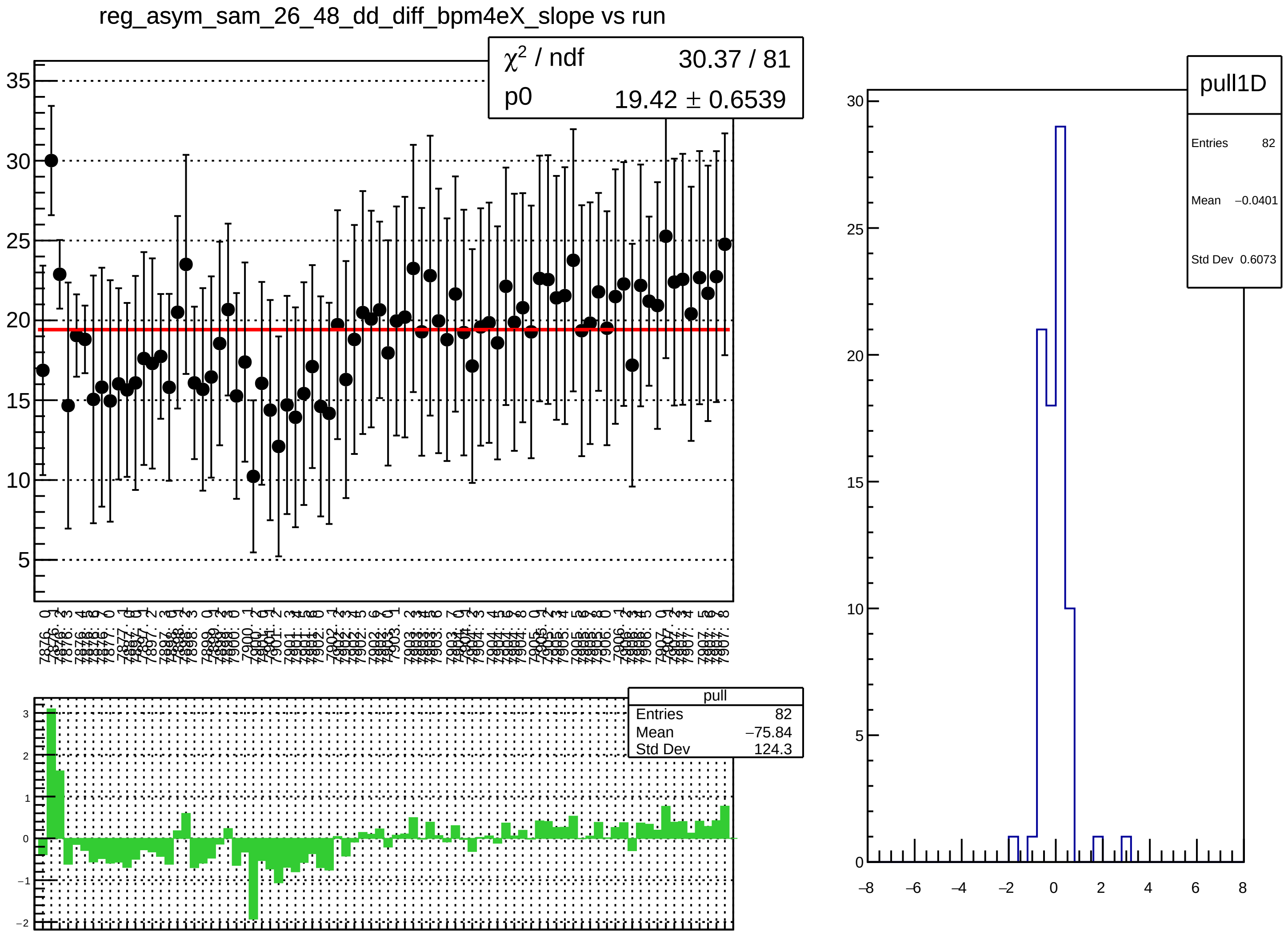
reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ2 / ndf 1.546 / 81
p0 −0.2688 ± 0.1867
pull
Entries 82
Mean 234
Std Dev 186.1
pull1D
Entries 82
Mean 0.002773
Std Dev 0.1373



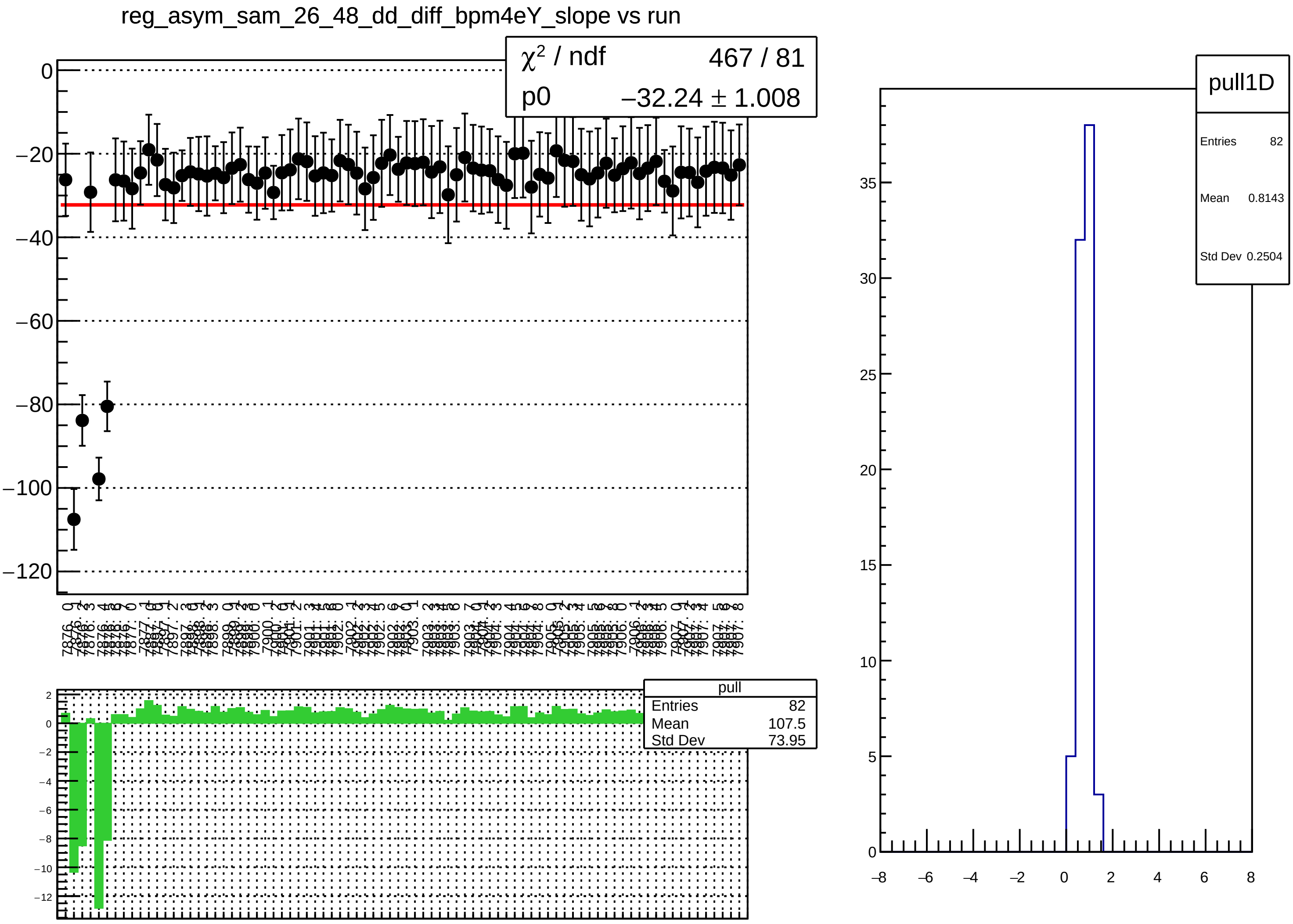
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.75 / 81
p0 1.125 ± 0.7975
pull
Entries 82
Mean −4.39
Std Dev 56.48
pull1D
Entries 82
Mean 0.04112
Std Dev 0.4222

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run

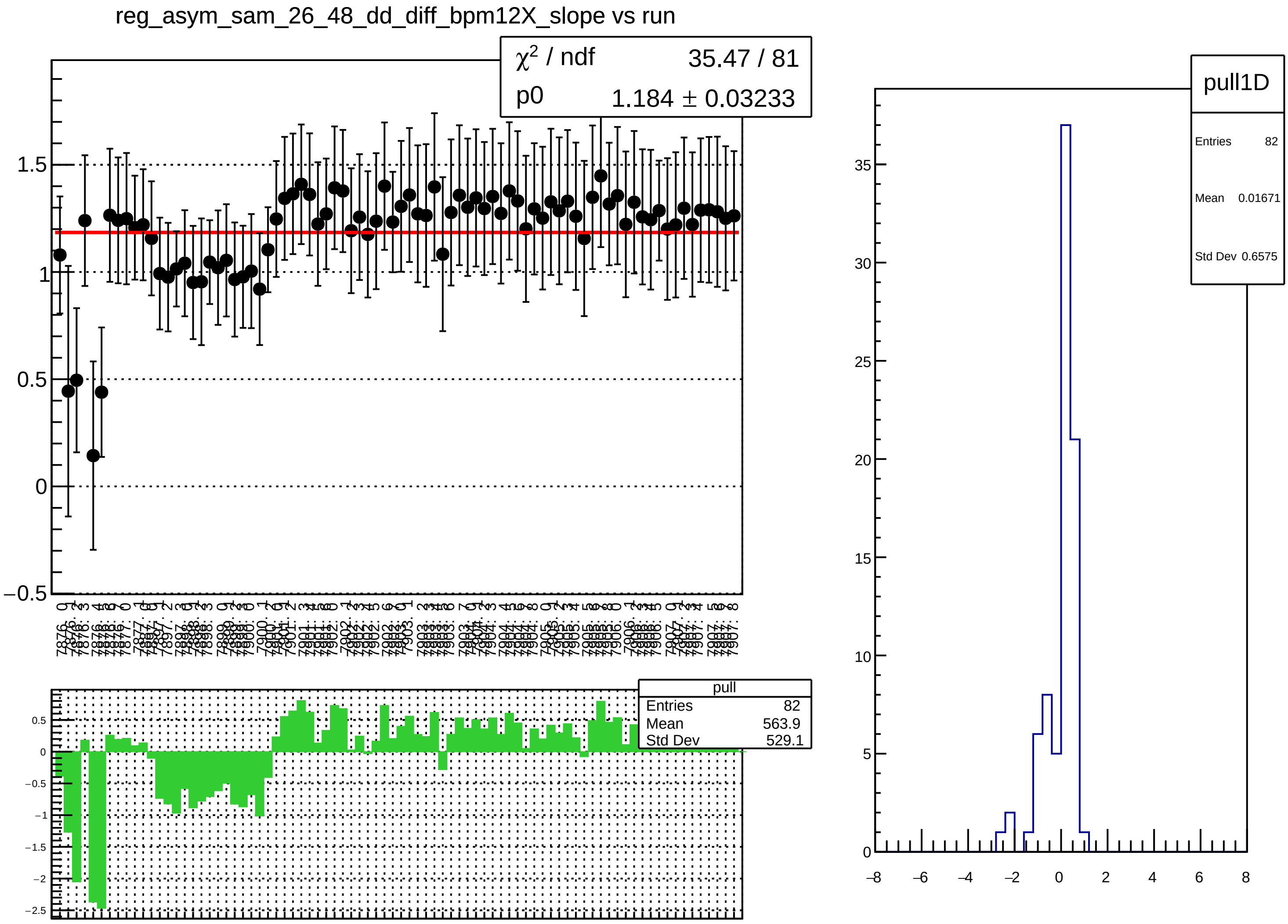




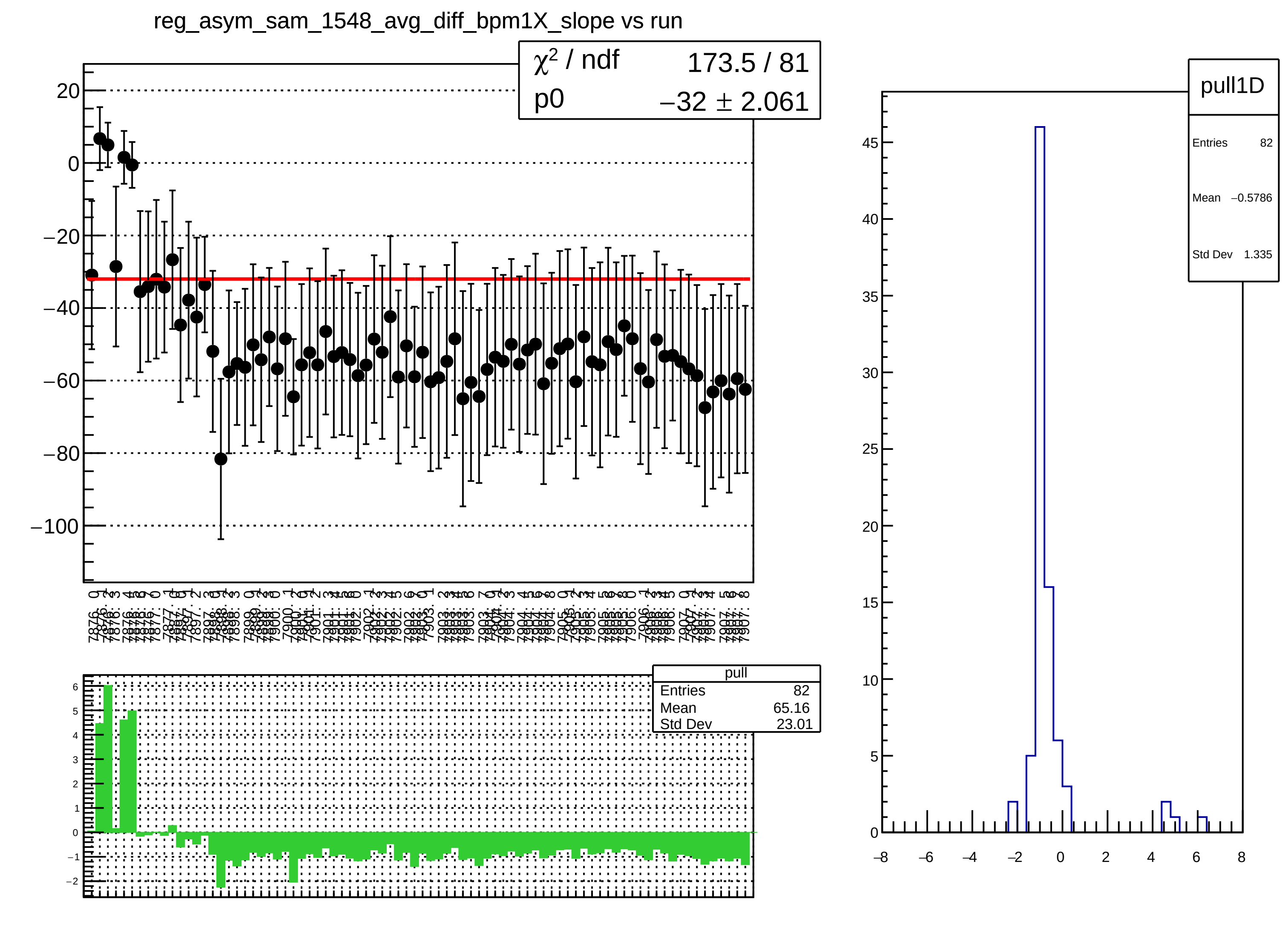
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 30.37 / 81
p0 19.42 ± 0.6539
pull
Entries 82
Mean −75.84
Std Dev 124.3
pull1D
Entries 82
Mean −0.0401
Std Dev 0.6073



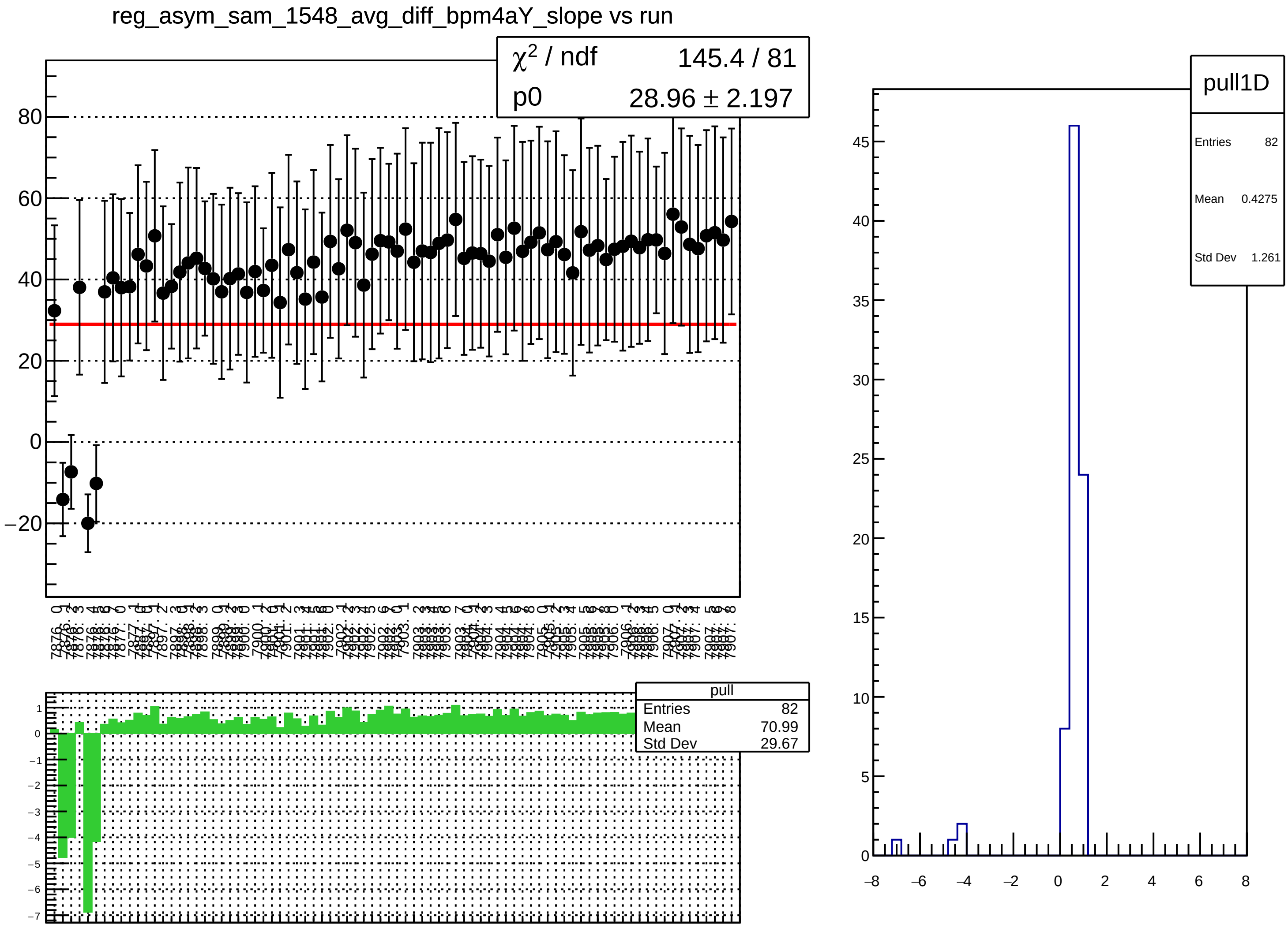
reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 467 / 81
p0 −32.24 ± 1.008
0
−20
−40
−60
−80
−100
−120
pull
Entries 82
Mean 107.5
Std Dev 73.95
pull1D
Entries 82
Mean 0.8143
Std Dev 0.2504



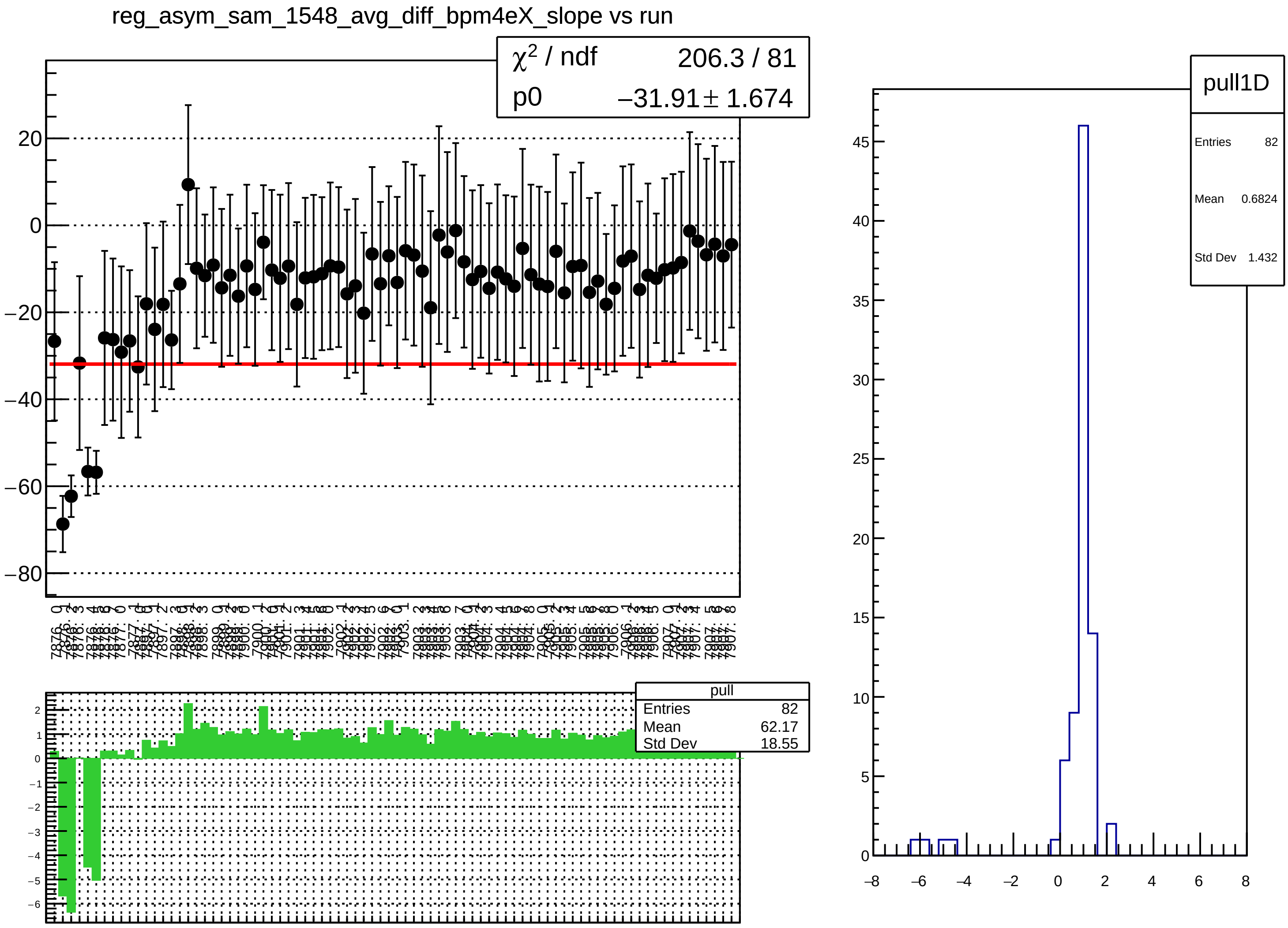
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 35.47 / 81
p0 1.184 ± 0.03233
pull
Entries 82
Mean 563.9
Std Dev 529.1
pull1D
Entries 82
Mean 0.01671
Std Dev 0.6575



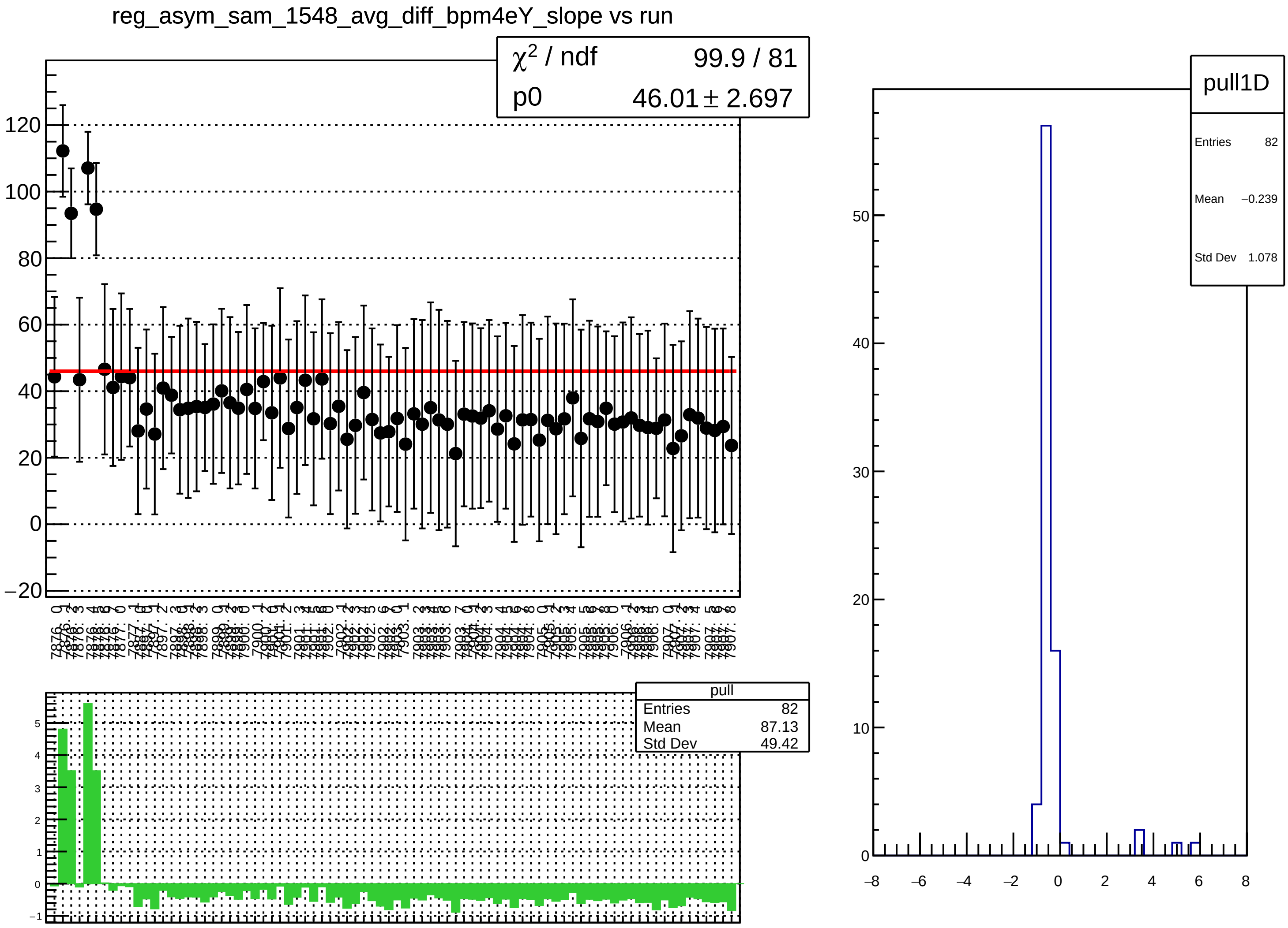
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 173.5 / 81
p0 −32 ± 2.061
pull
Entries 82
Mean 65.16
Std Dev 23.01
pull1D
Entries 82
Mean −0.5786
Std Dev 1.335



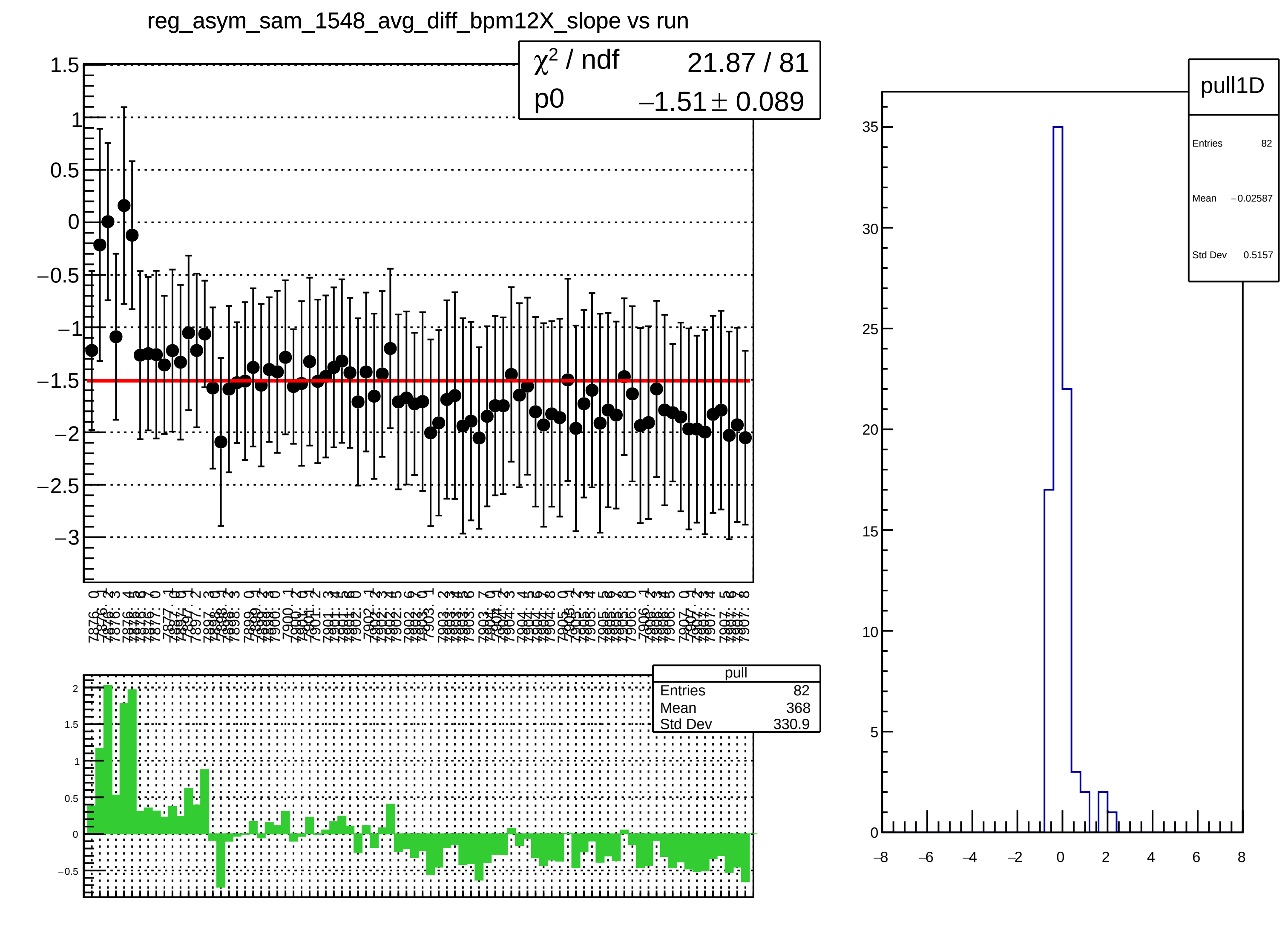
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 145.4 / 81
p0 28.96 ± 2.197
pull
Entries 82
Mean 70.99
Std Dev 29.67
pull1D
Entries 82
Mean 0.4275
Std Dev 1.261



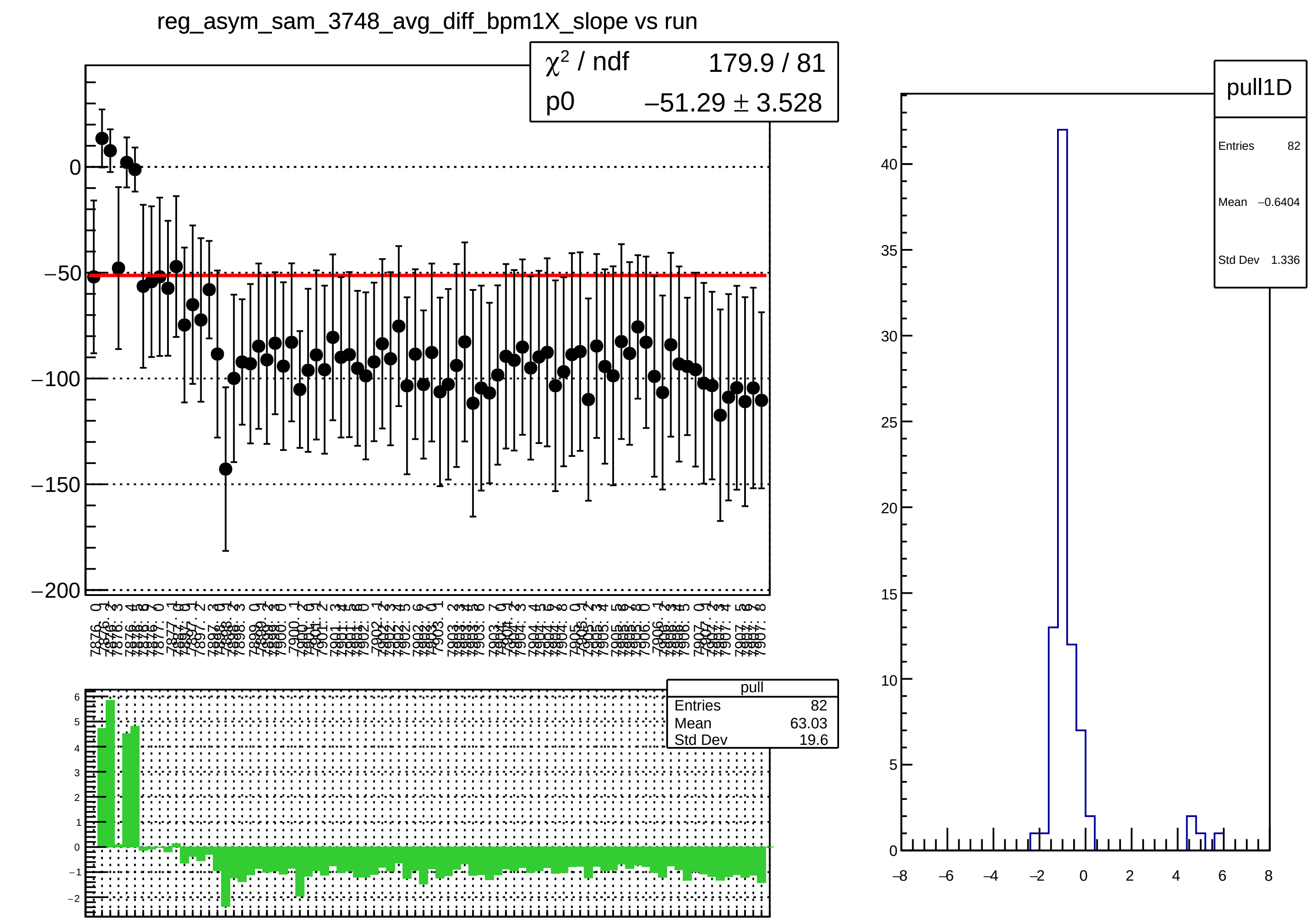
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ2 / ndf 206.3 / 81
p0 −31.91 ± 1.674
pull
Entries 82
Mean 62.17
Std Dev 18.55
pull1D
Entries 82
Mean 0.6824
Std Dev 1.432

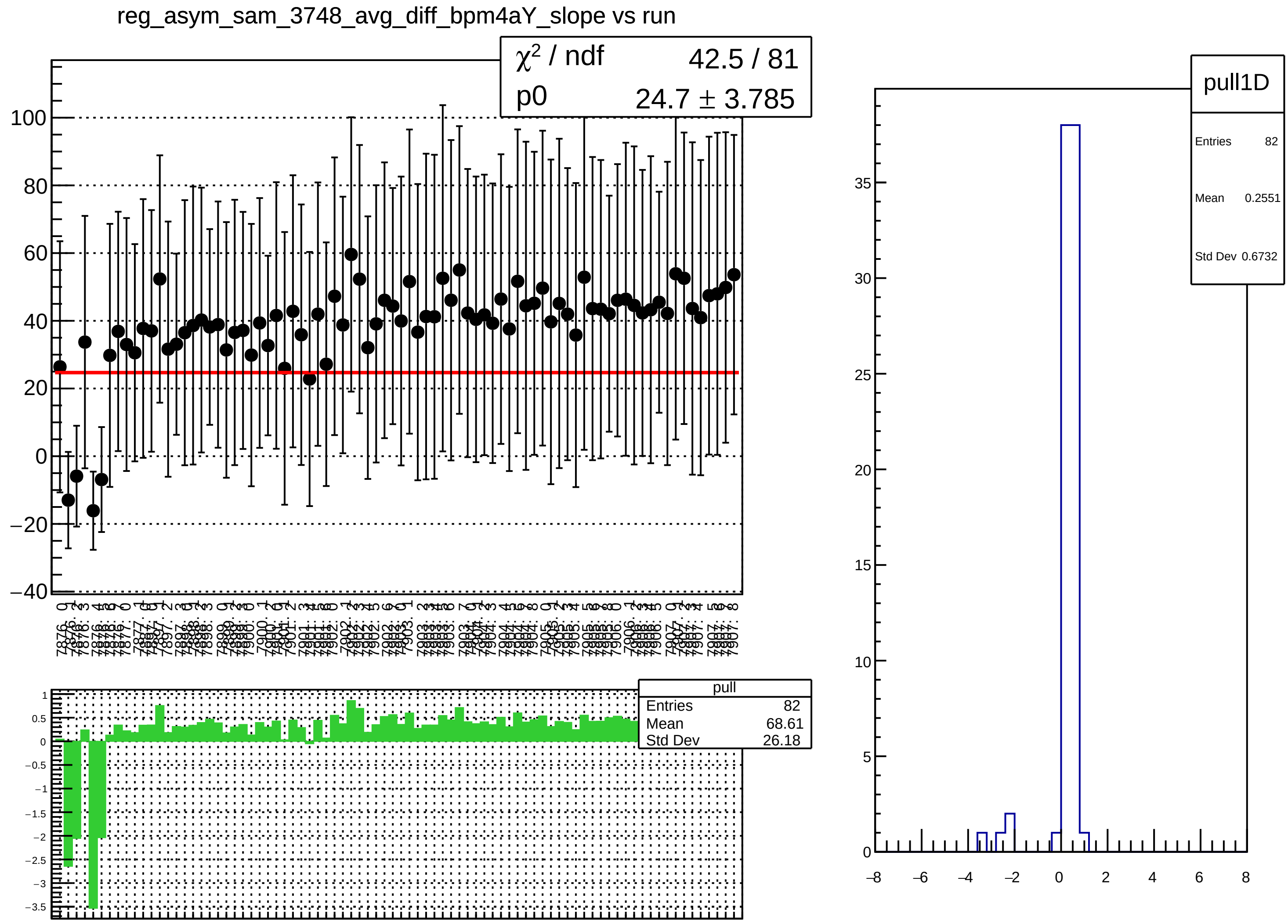


reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ2 / ndf 99.9 / 81
p0 46.01 ± 2.697
pull
Entries 82
Mean 87.13
Std Dev 49.42
pull1D
Entries 82
Mean −0.239
Std Dev 1.078



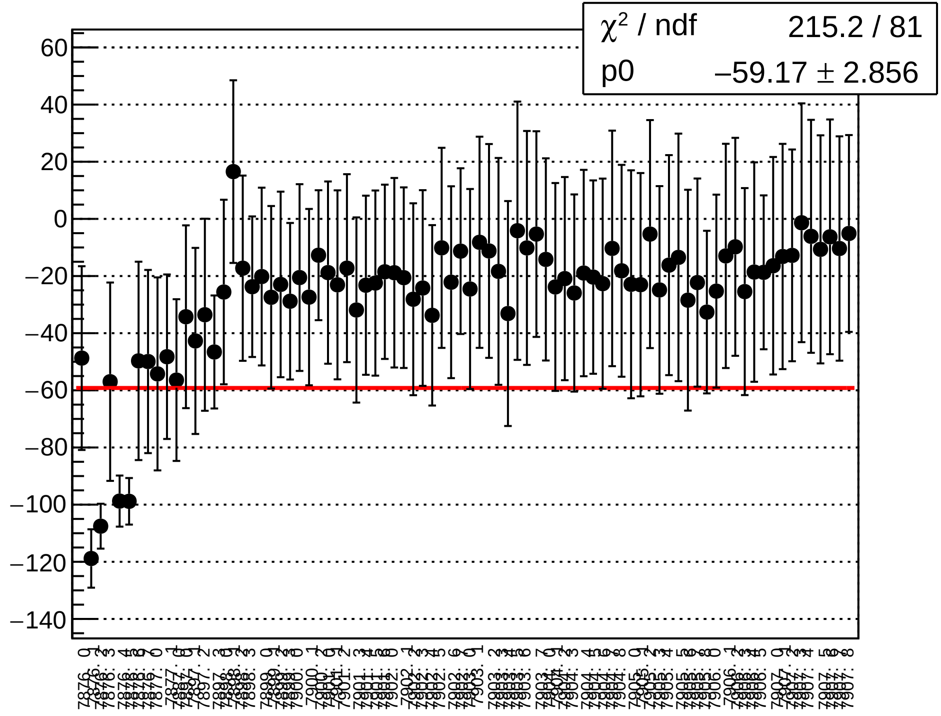
reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ2 / ndf 21.87 / 81
p0 −1.51 ± 0.089
pull
Entries 82
Mean 368
Std Dev 330.9
pull1D
Entries 82
Mean −0.02587
Std Dev 0.5157

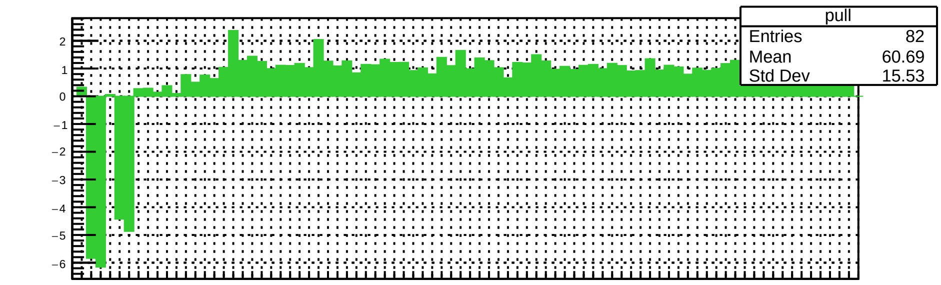

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 179.9 / 81
p0 −51.29 ± 3.528
0
−50
−100
−150
−200
pull
Entries 82
Mean 63.03
Std Dev 19.6
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.6404
Std Dev 1.336
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

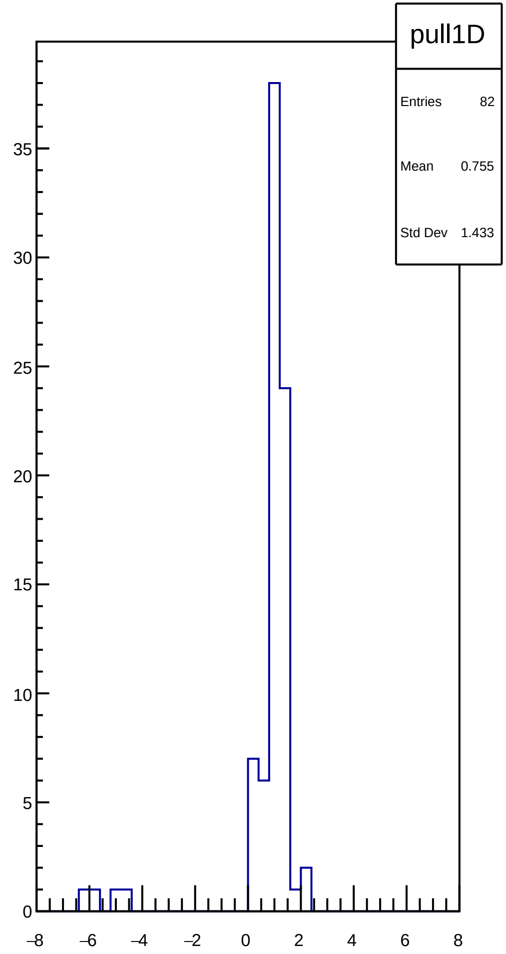


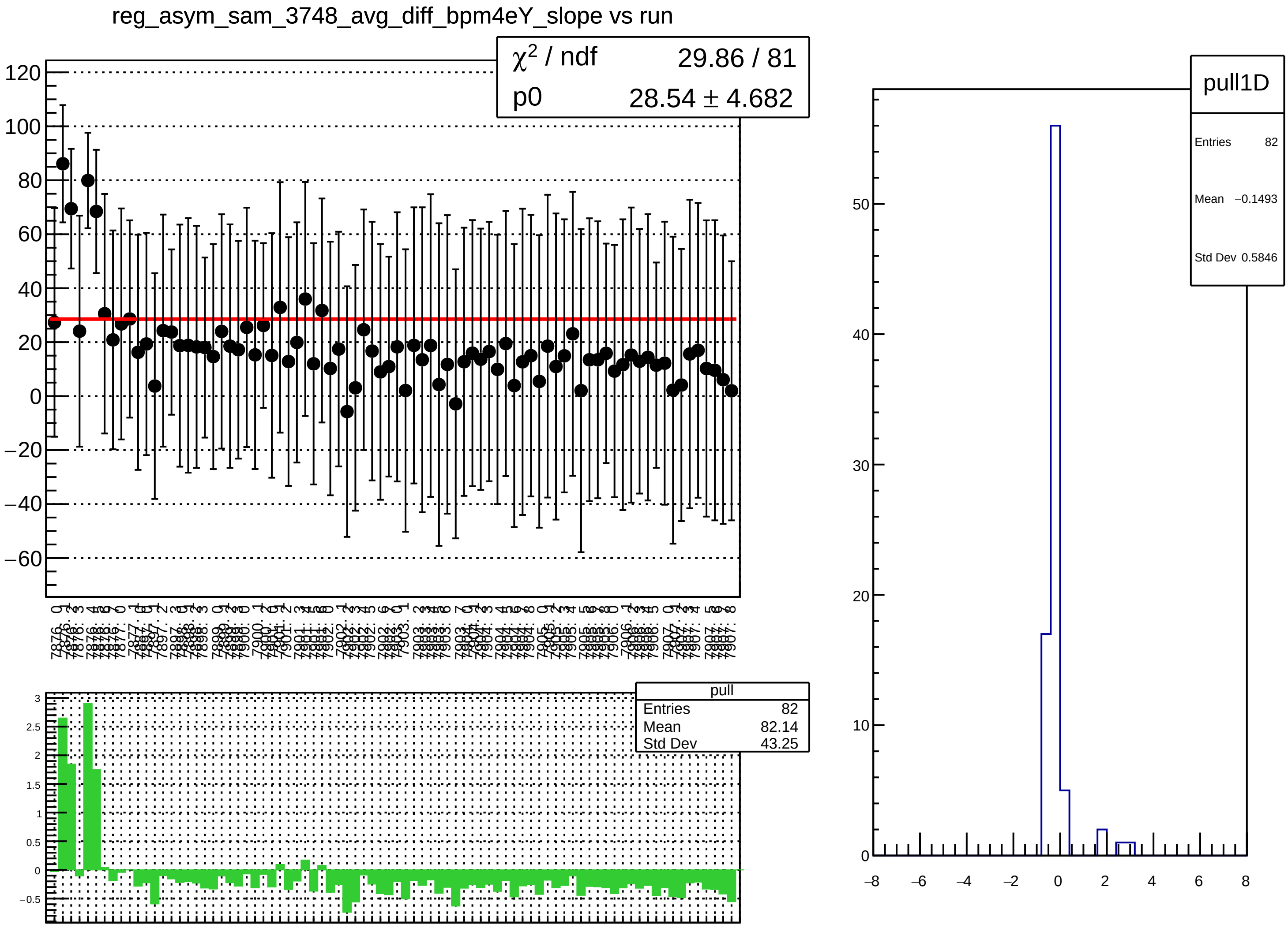
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ2 / ndf 42.5 / 81
p0 24.7 ± 3.785
pull
Entries 82
Mean 68.61
Std Dev 26.18
pull1D
Entries 82
Mean 0.2551
Std Dev 0.6732

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run

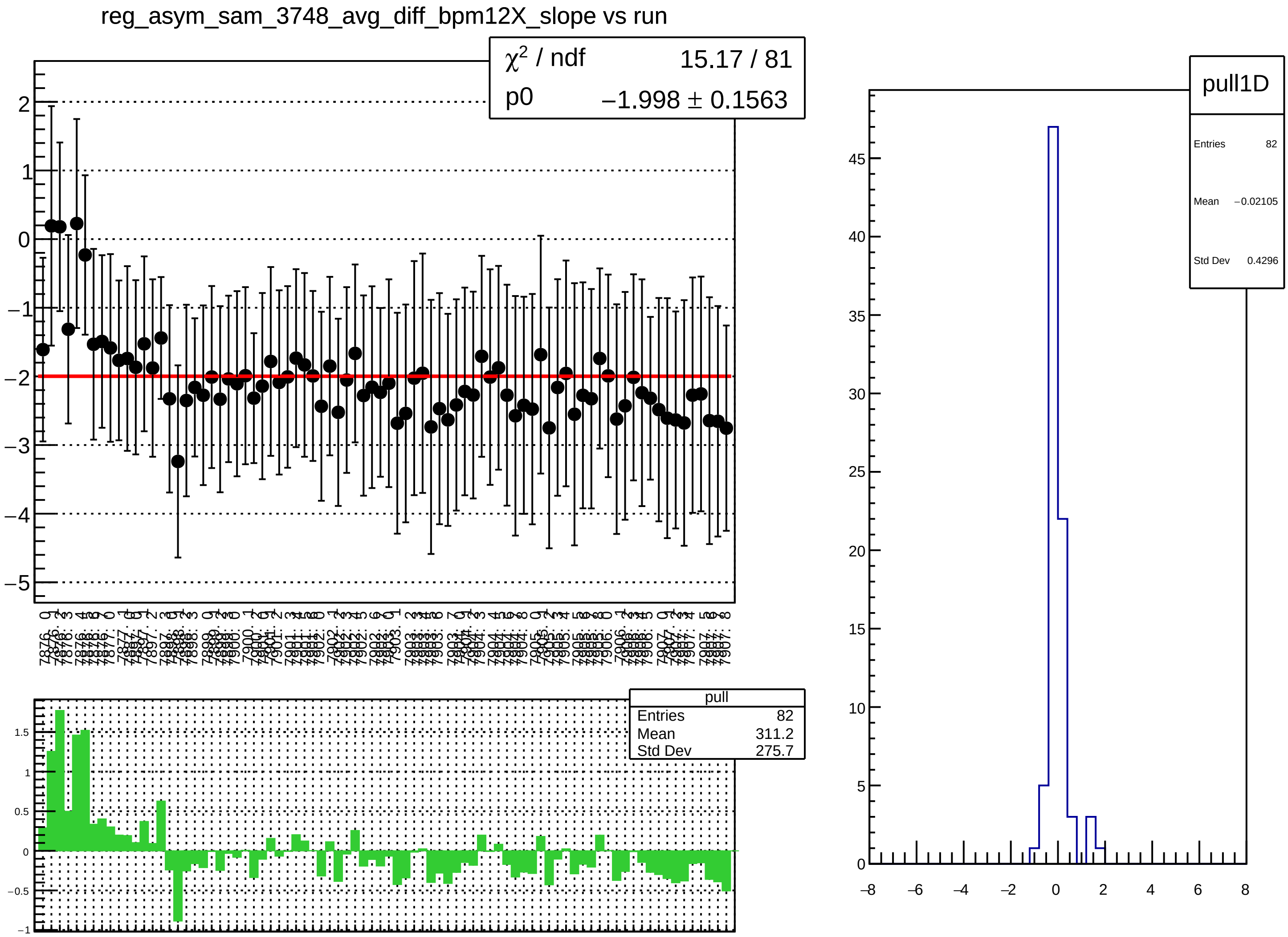


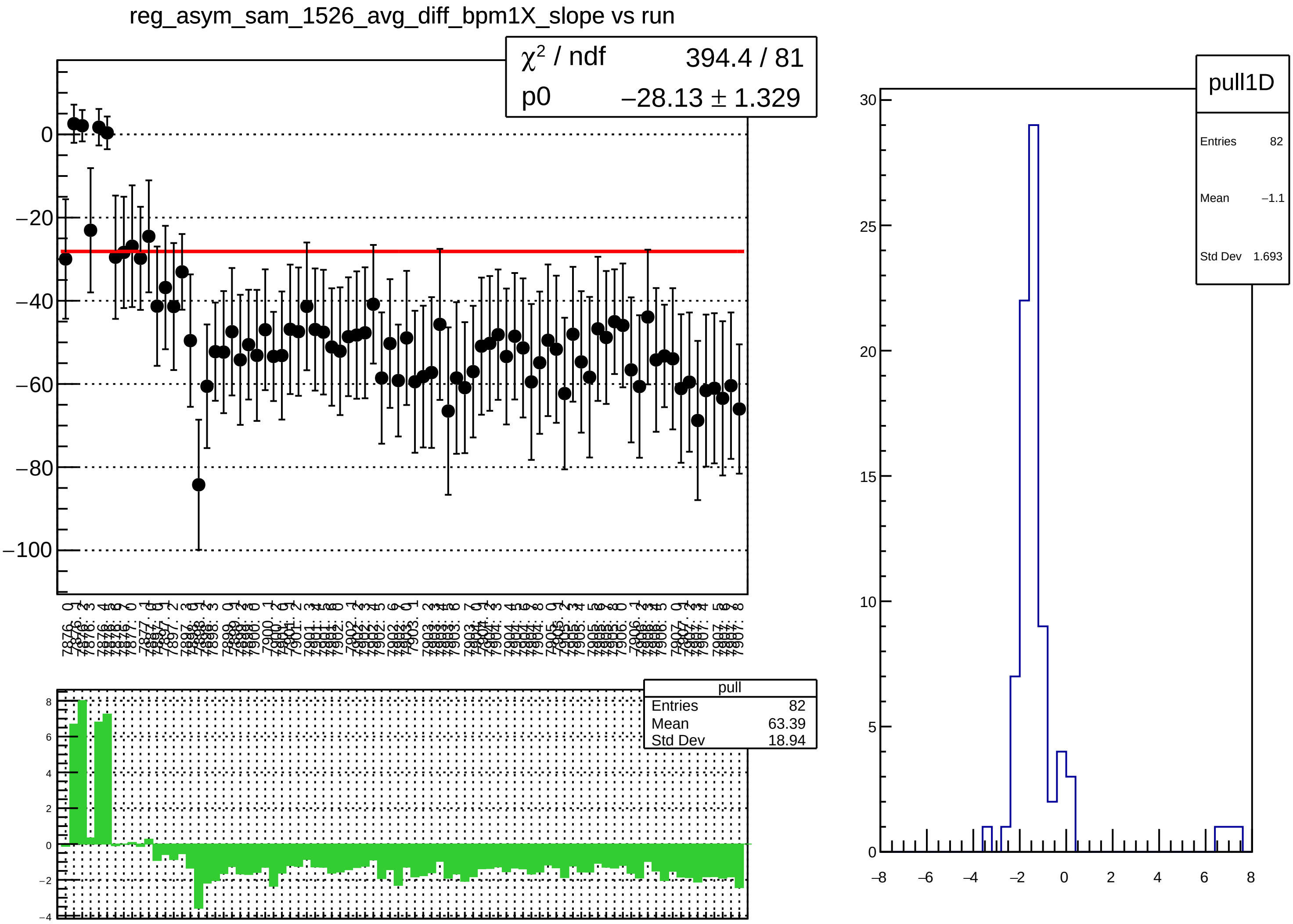




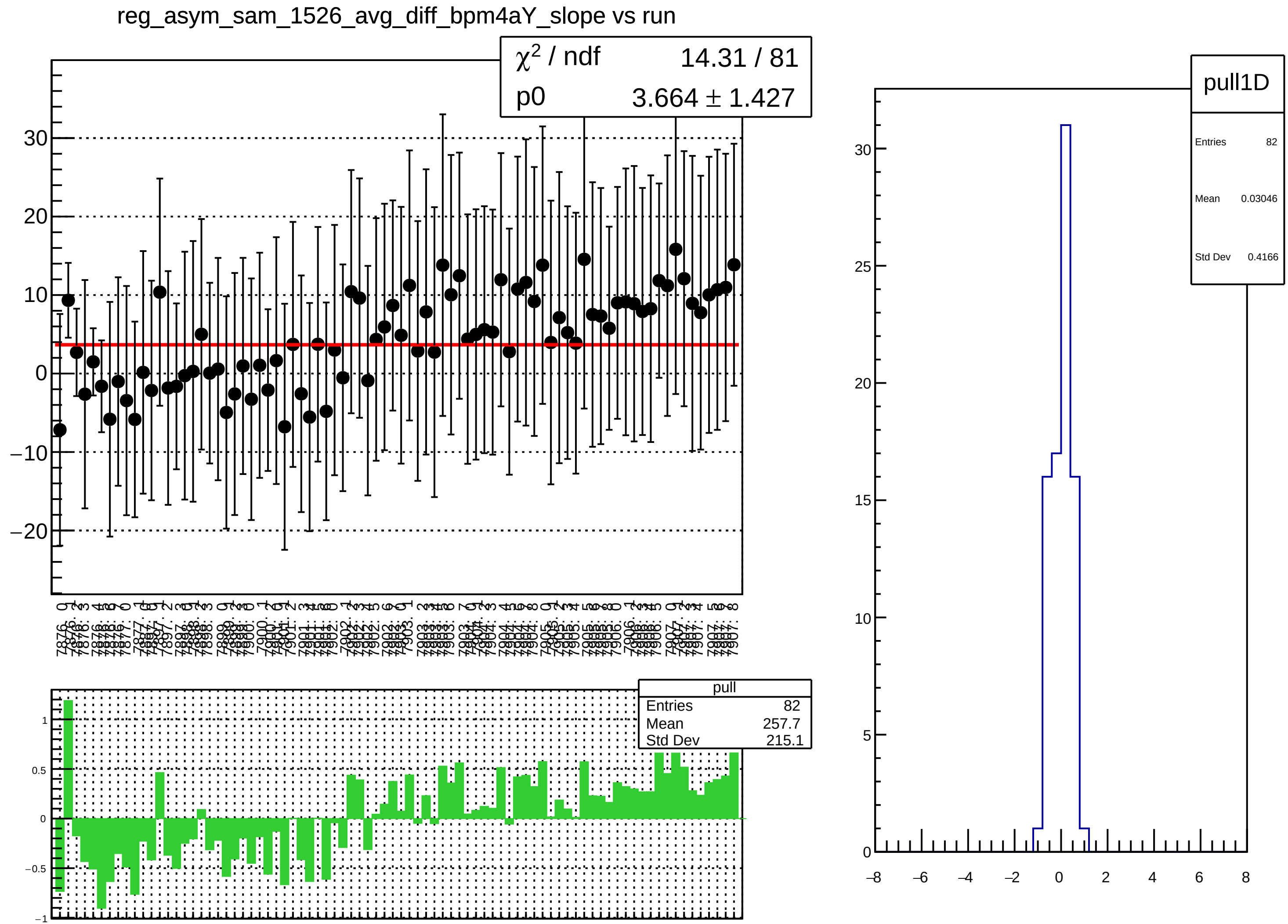


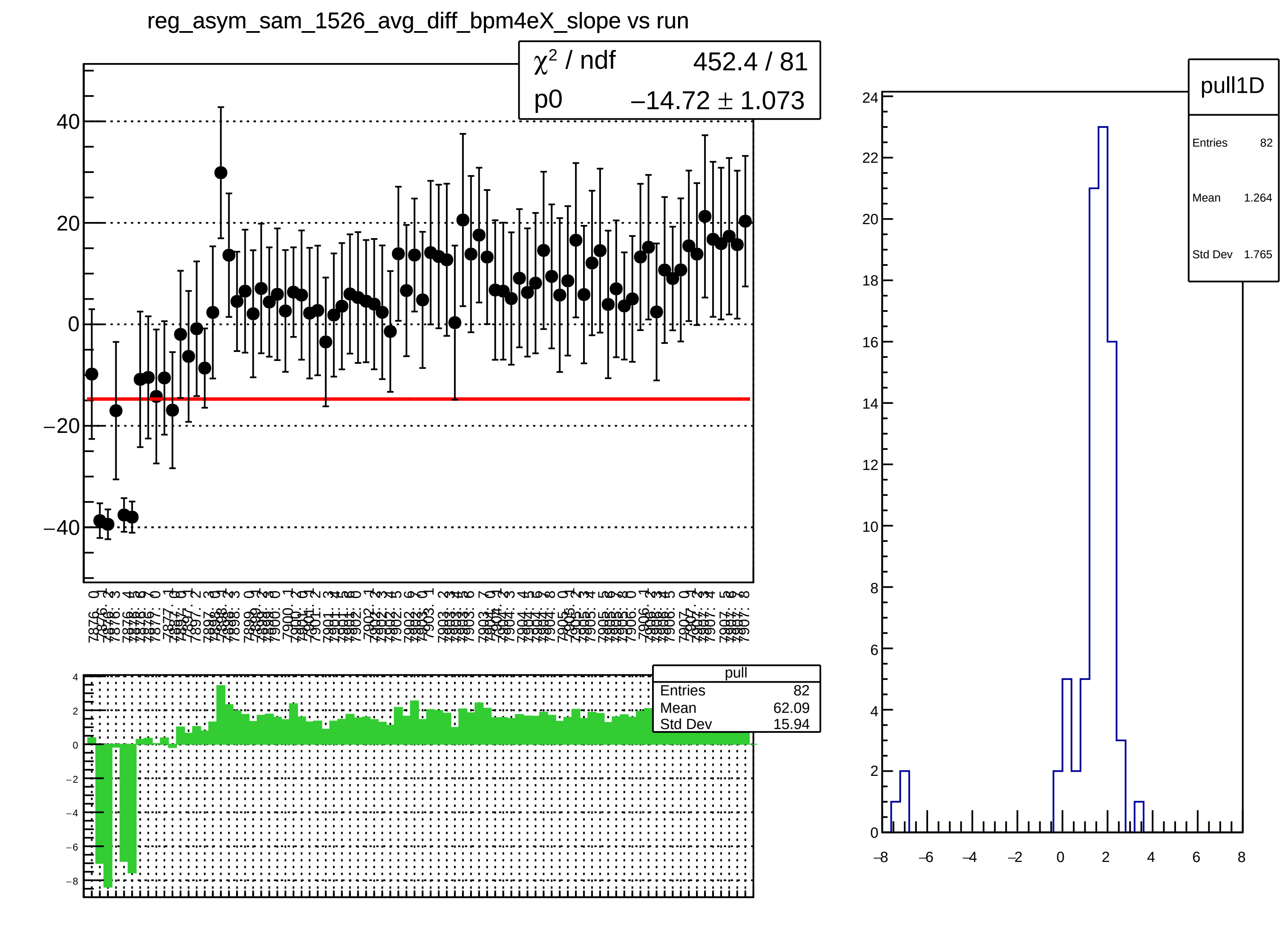
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ2 / ndf 29.86 / 81
p0 28.54 ± 4.682
pull
Entries 82
Mean 82.14
Std Dev 43.25
pull1D
Entries 82
Mean −0.1493
Std Dev 0.5846


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

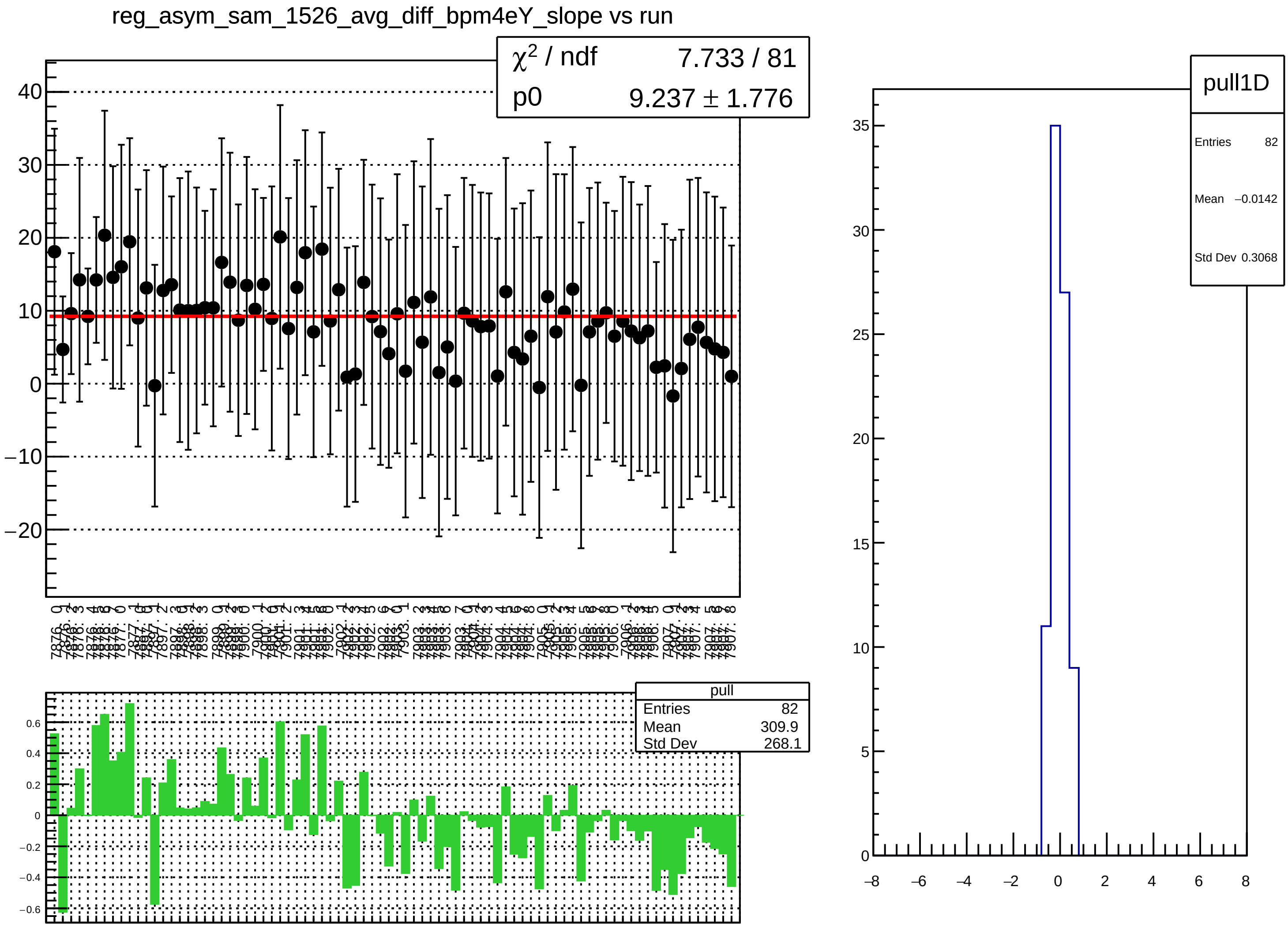


reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 394.4 / 81
p0 −28.13 ± 1.329
pull
Entries 82
Mean 63.39
Std Dev 18.94
pull1D
Entries 82
Mean −1.1
Std Dev 1.693

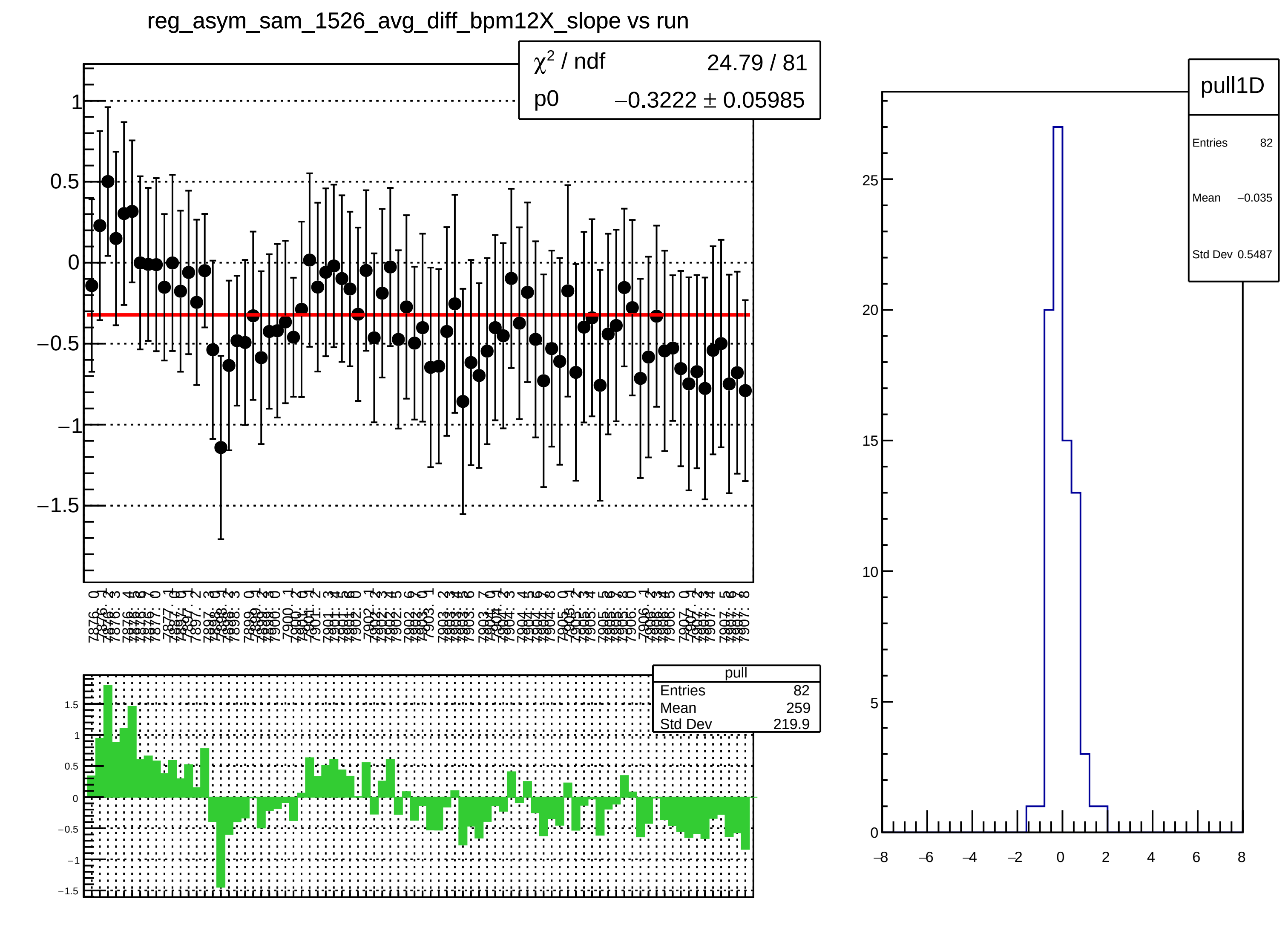

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 14.31 / 81
p0 3.664 ± 1.427
pull
Entries 82
Mean 257.7
Std Dev 215.1
pull1D
Entries 82
Mean 0.03046
Std Dev 0.4166



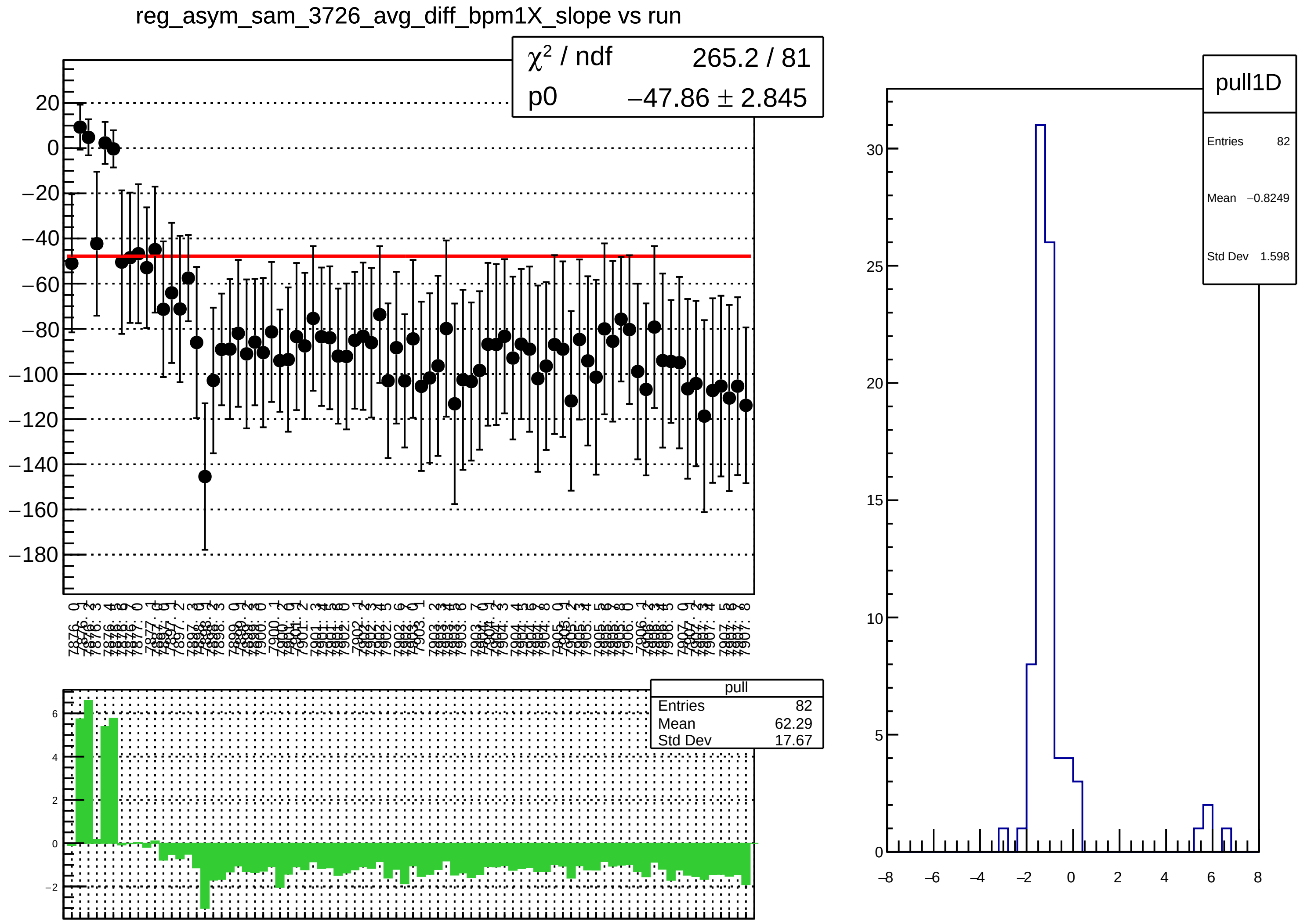
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ2 / ndf 452.4 / 81
p0 −14.72 ± 1.073
40
20
0
−20
−40
pull
Entries 82
Mean 62.09
Std Dev 15.94
4
2
0
−2
−4
−6
−8
pull1D
Entries 82
Mean 1.264
Std Dev 1.765
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



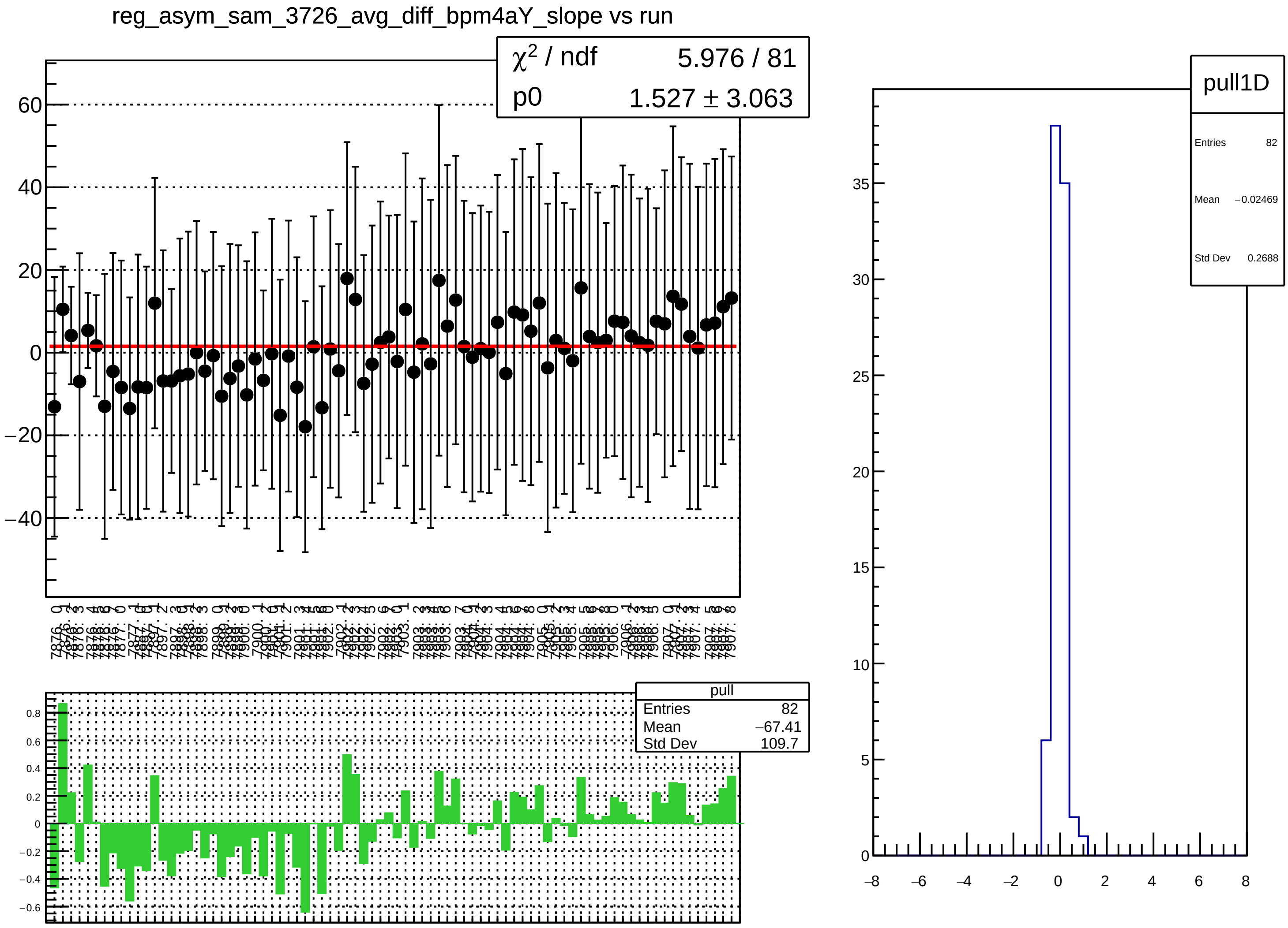
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.733 / 81
p0 9.237 ± 1.776
pull
Entries 82
Mean 309.9
Std Dev 268.1
pull1D
Entries 82
Mean −0.0142
Std Dev 0.3068



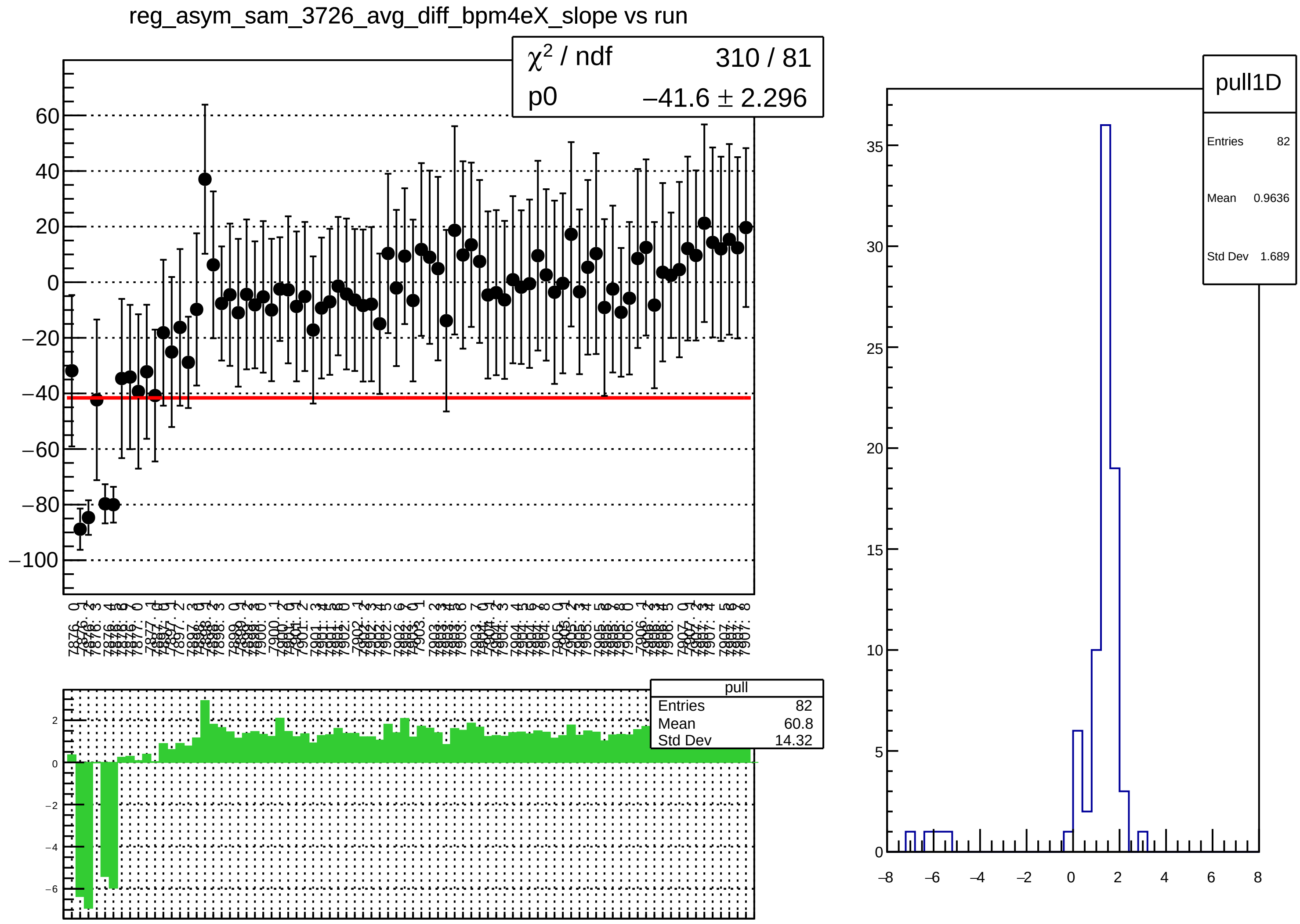
reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 24.79 / 81
p0 −0.3222 ± 0.05985
pull
Entries 82
Mean 259
Std Dev 219.9
pull1D
Entries 82
Mean −0.035
Std Dev 0.5487



reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ2 / ndf 265.2 / 81
p0 −47.86 ± 2.845
pull
Entries 82
Mean 62.29
Std Dev 17.67
pull1D
Entries 82
Mean −0.8249
Std Dev 1.598

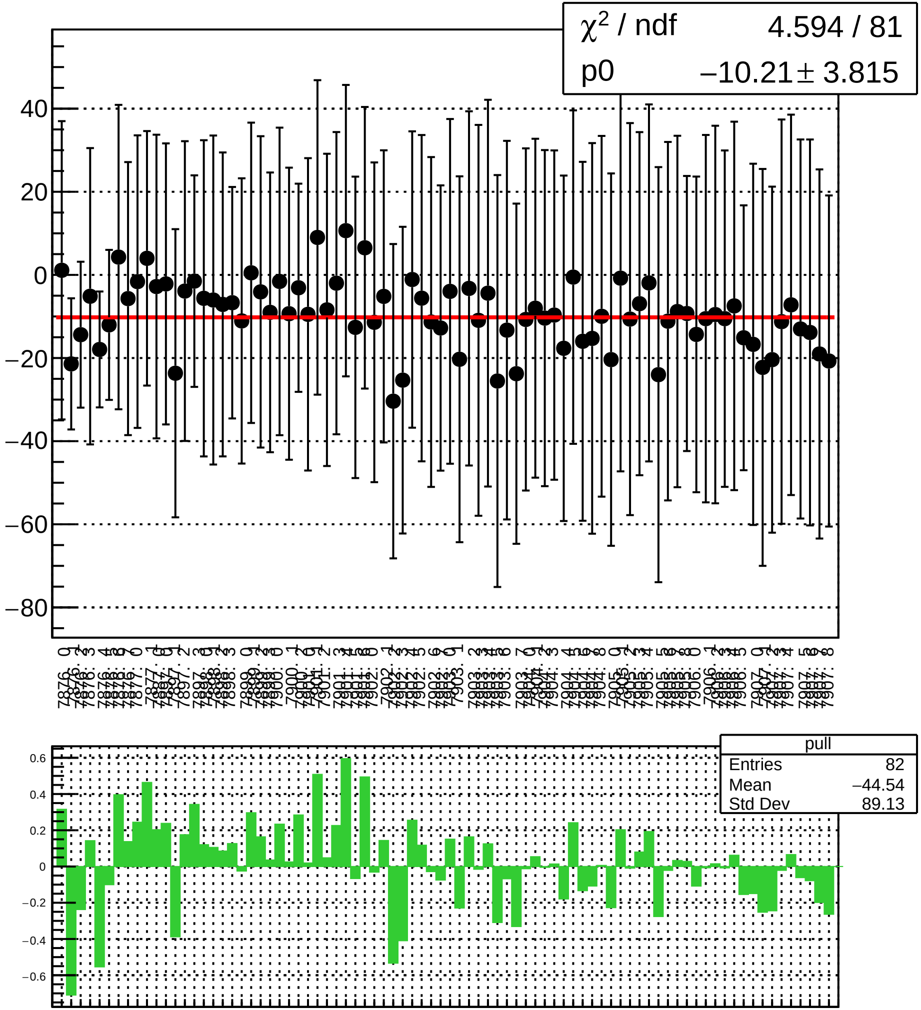


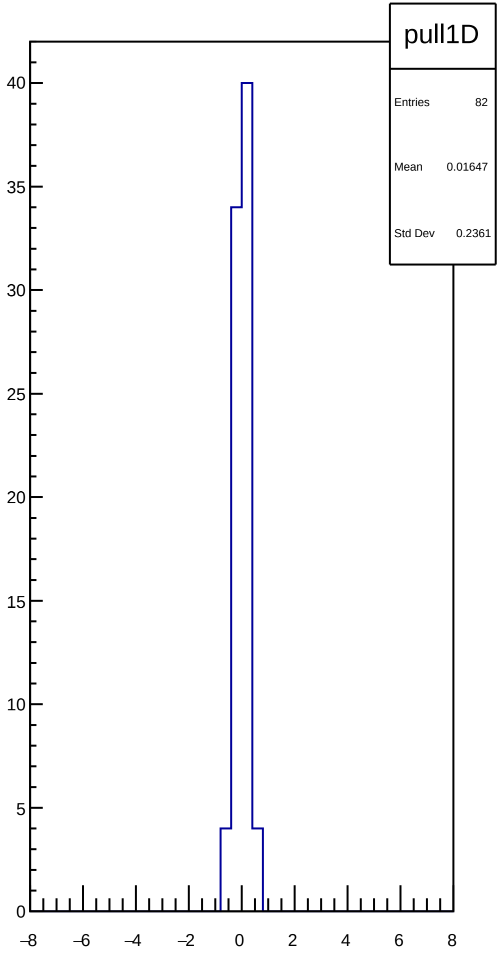
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.976 / 81
p0 1.527 ± 3.063
pull
Entries 82
Mean −67.41
Std Dev 109.7
pull1D
Entries 82
Mean −0.02469
Std Dev 0.2688

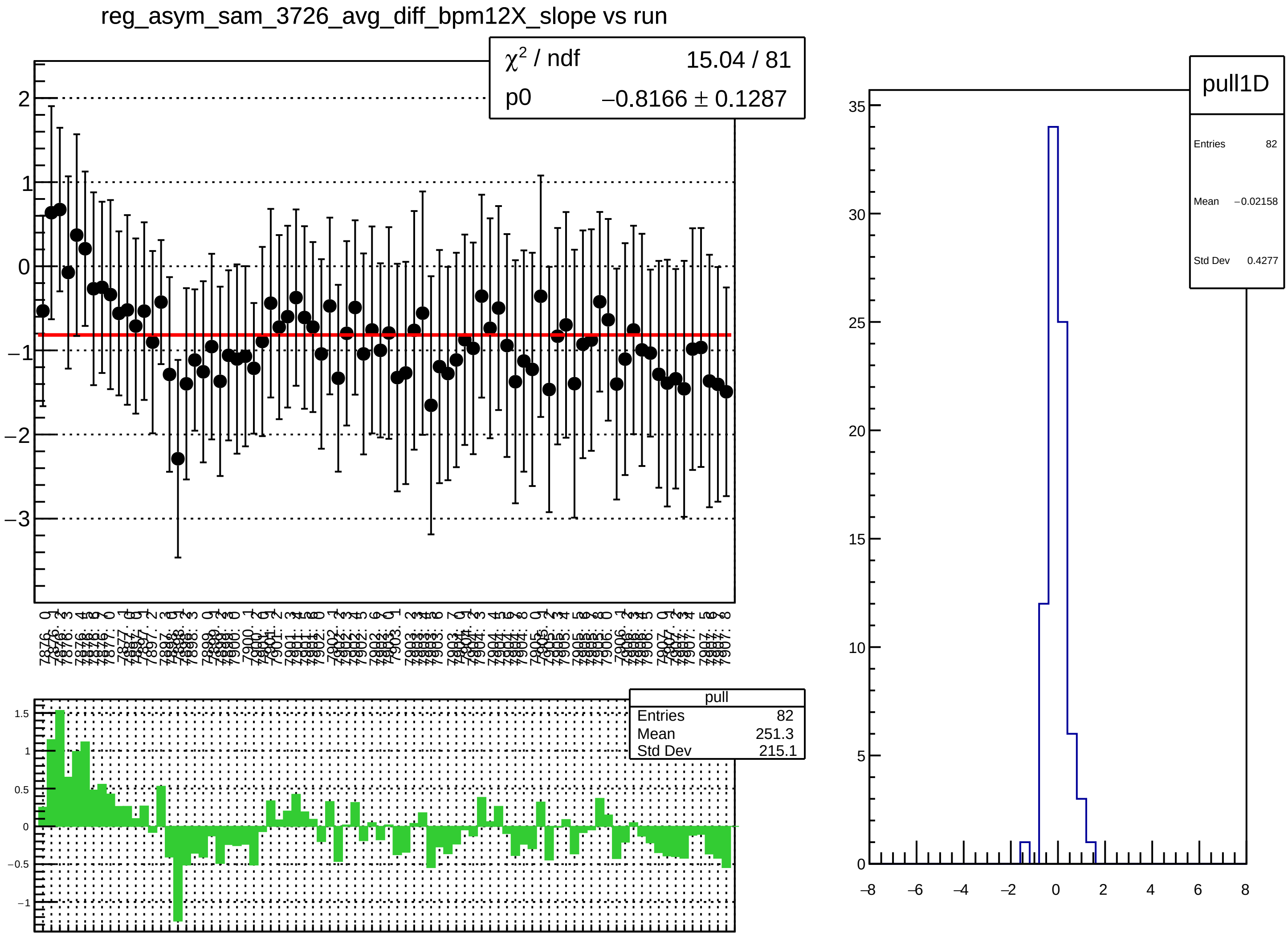


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 310 / 81
p0 −41.6 ± 2.296
pull
Entries 82
Mean 60.8
Std Dev 14.32
pull1D
Entries 82
Mean 0.9636
Std Dev 1.689

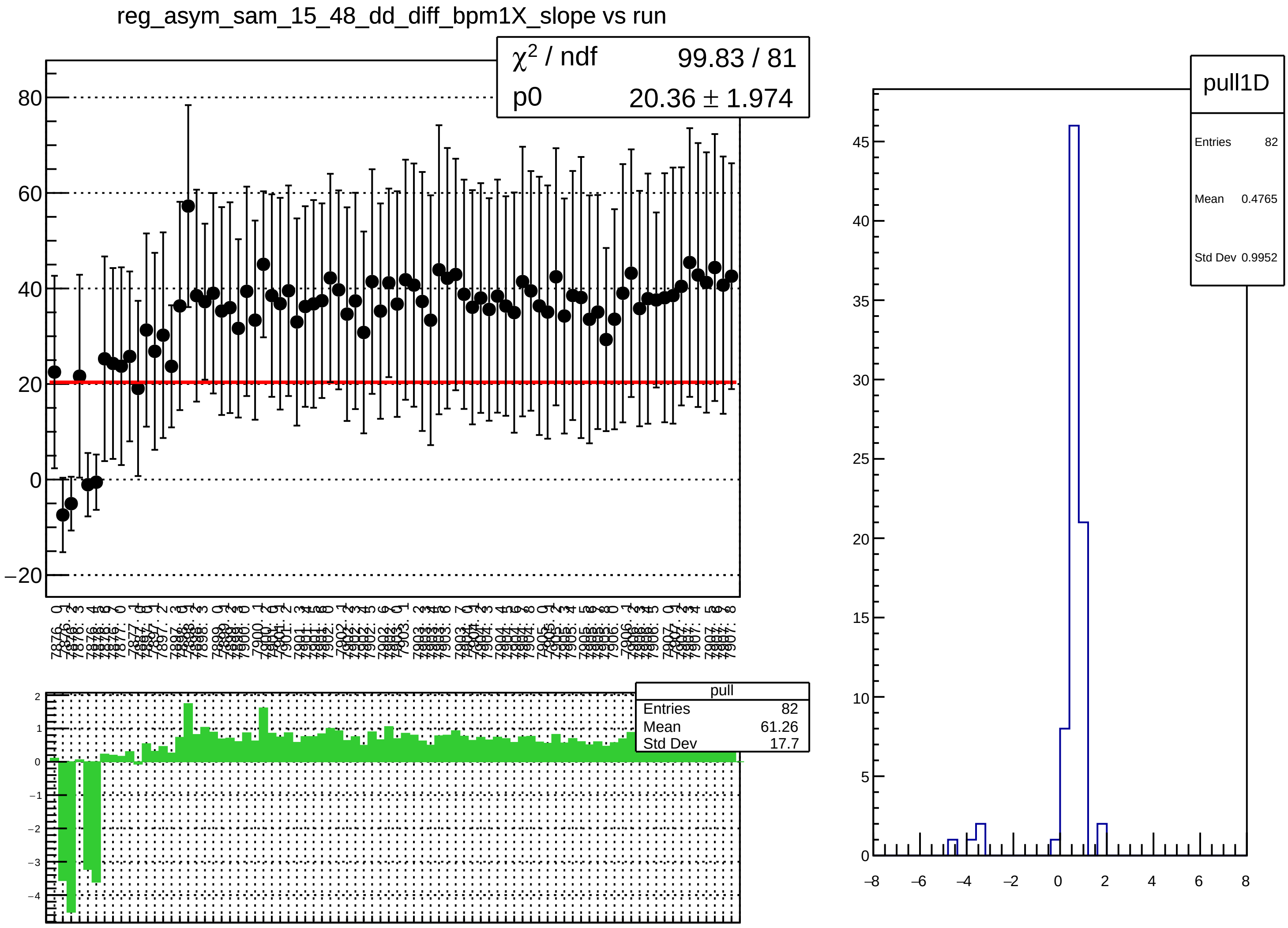
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run

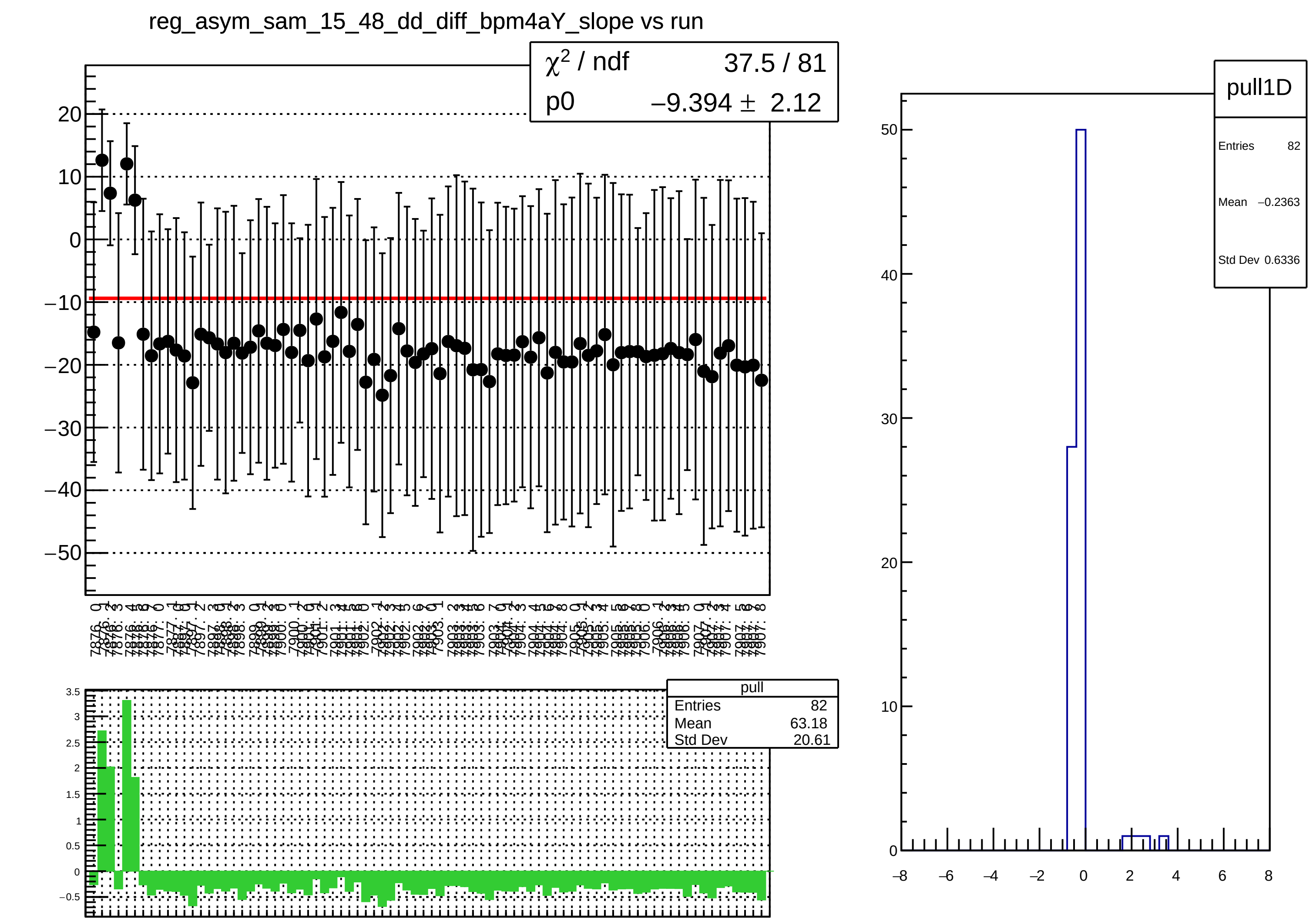




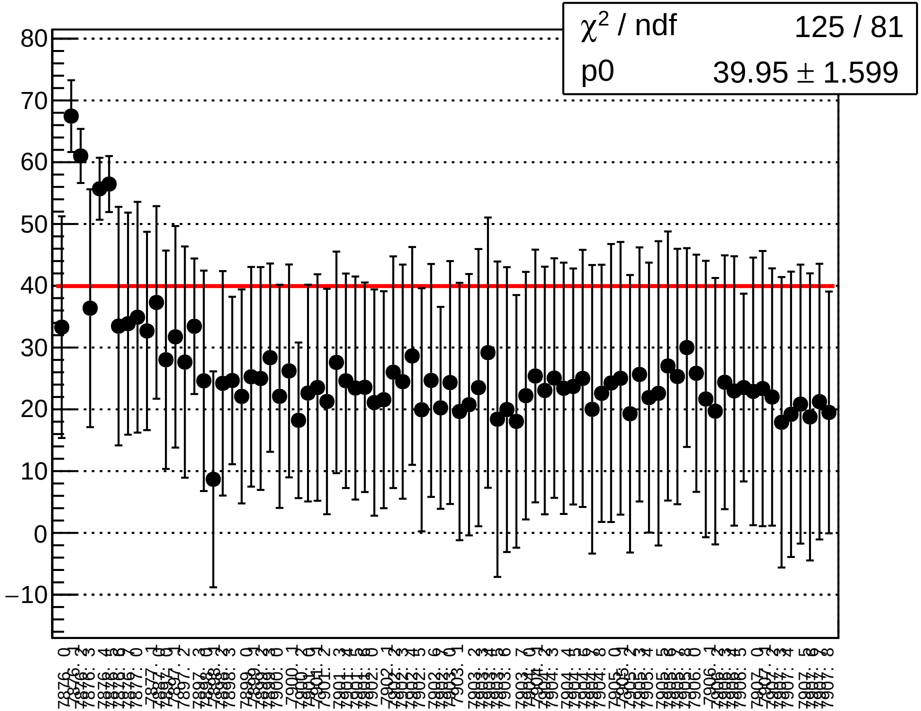


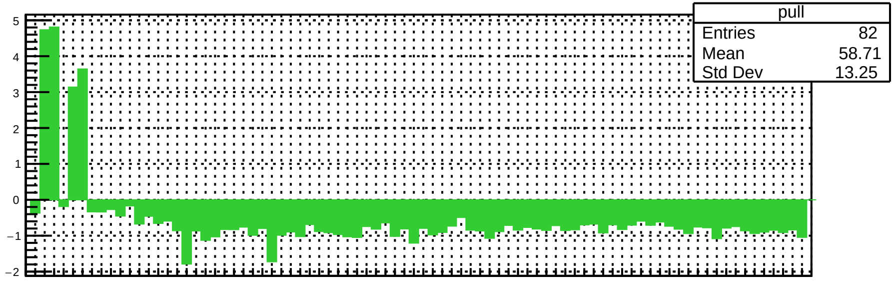
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ2 / ndf 15.04 / 81
p0 −0.8166 ± 0.1287
pull
Entries 82
Mean 251.3
Std Dev 215.1
pull1D
Entries 82
Mean −0.02158
Std Dev 0.4277

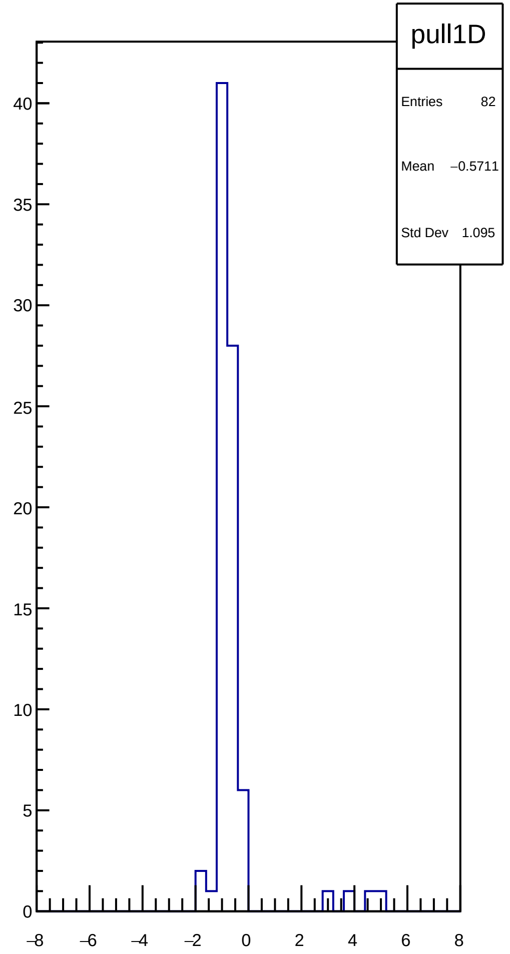

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 99.83 / 81
p0 20.36 ± 1.974
pull
Entries 82
Mean 61.26
Std Dev 17.7
pull1D
Entries 82
Mean 0.4765
Std Dev 0.9952

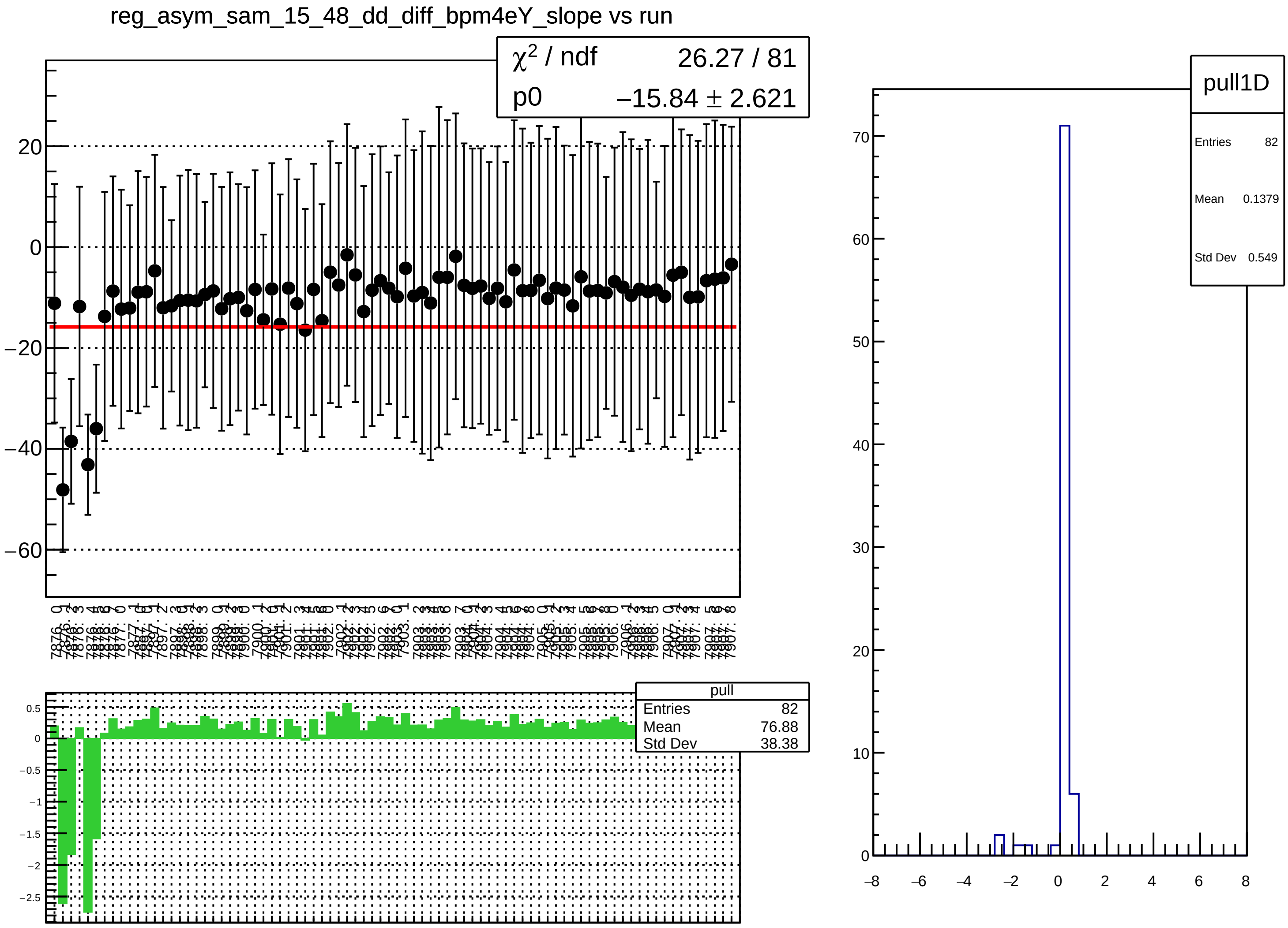

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 37.5 / 81
p0 −9.394 ± 2.12
pull
Entries 82
Mean 63.18
Std Dev 20.61
pull1D
Entries 82
Mean −0.2363
Std Dev 0.6336

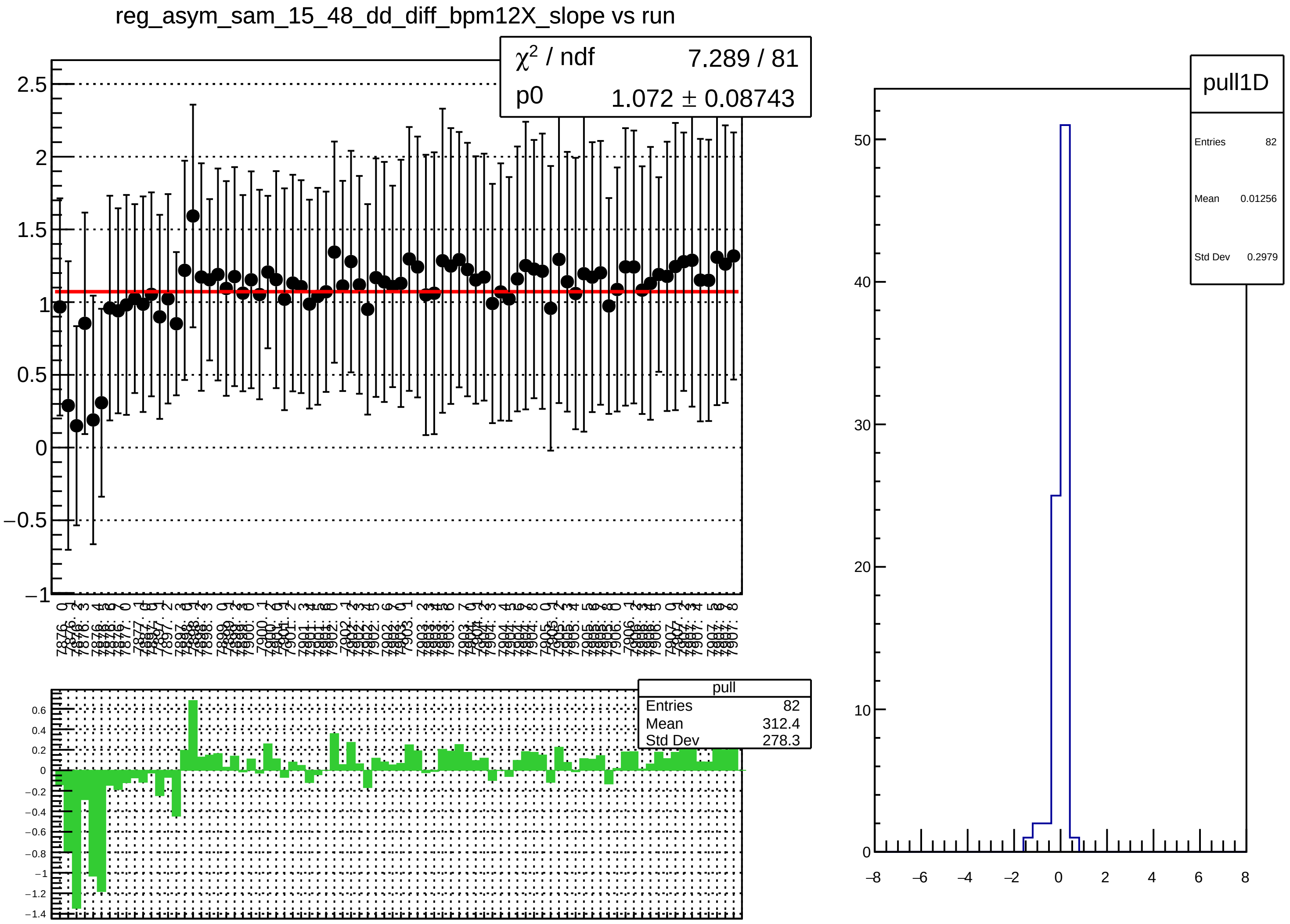
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run



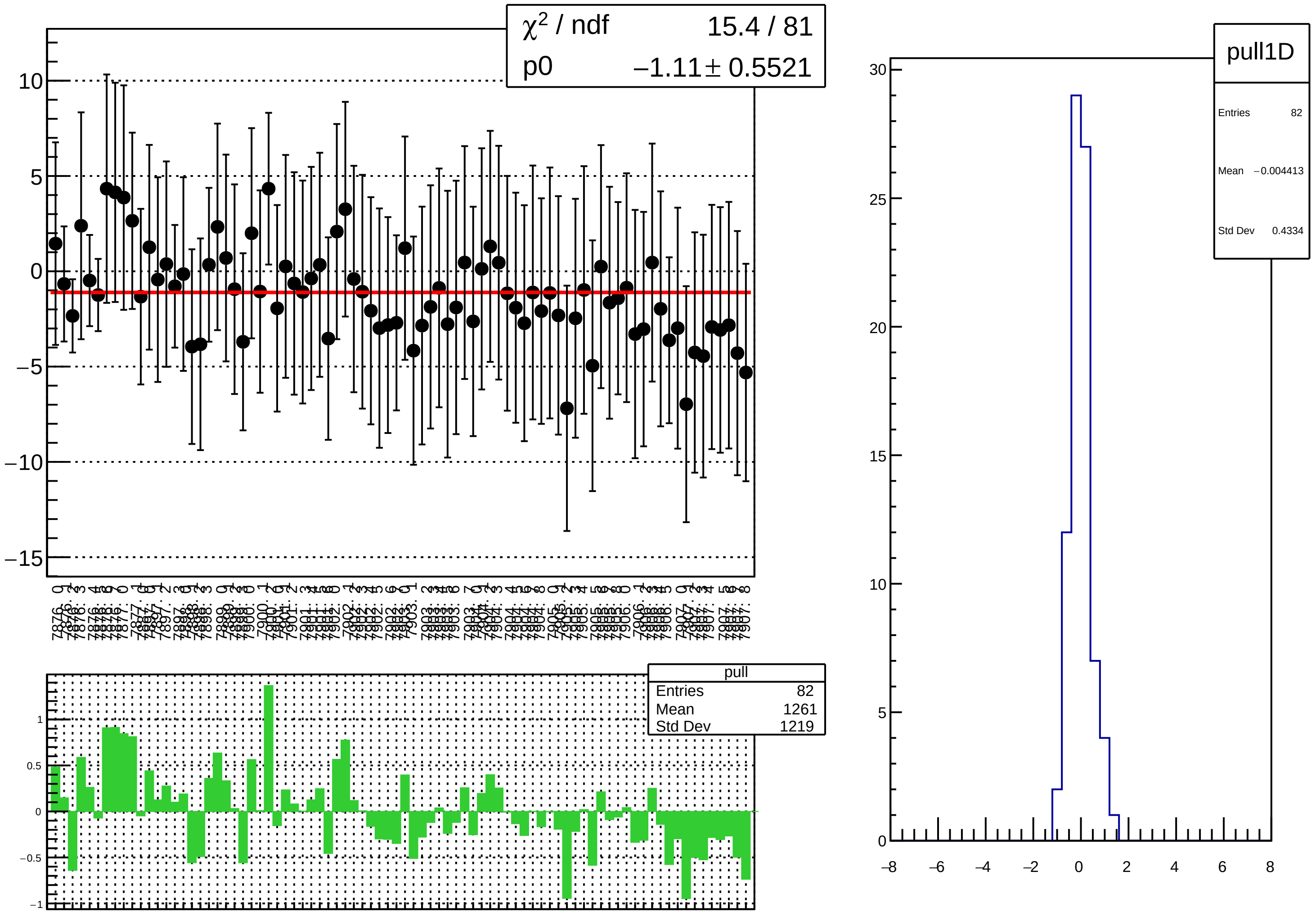


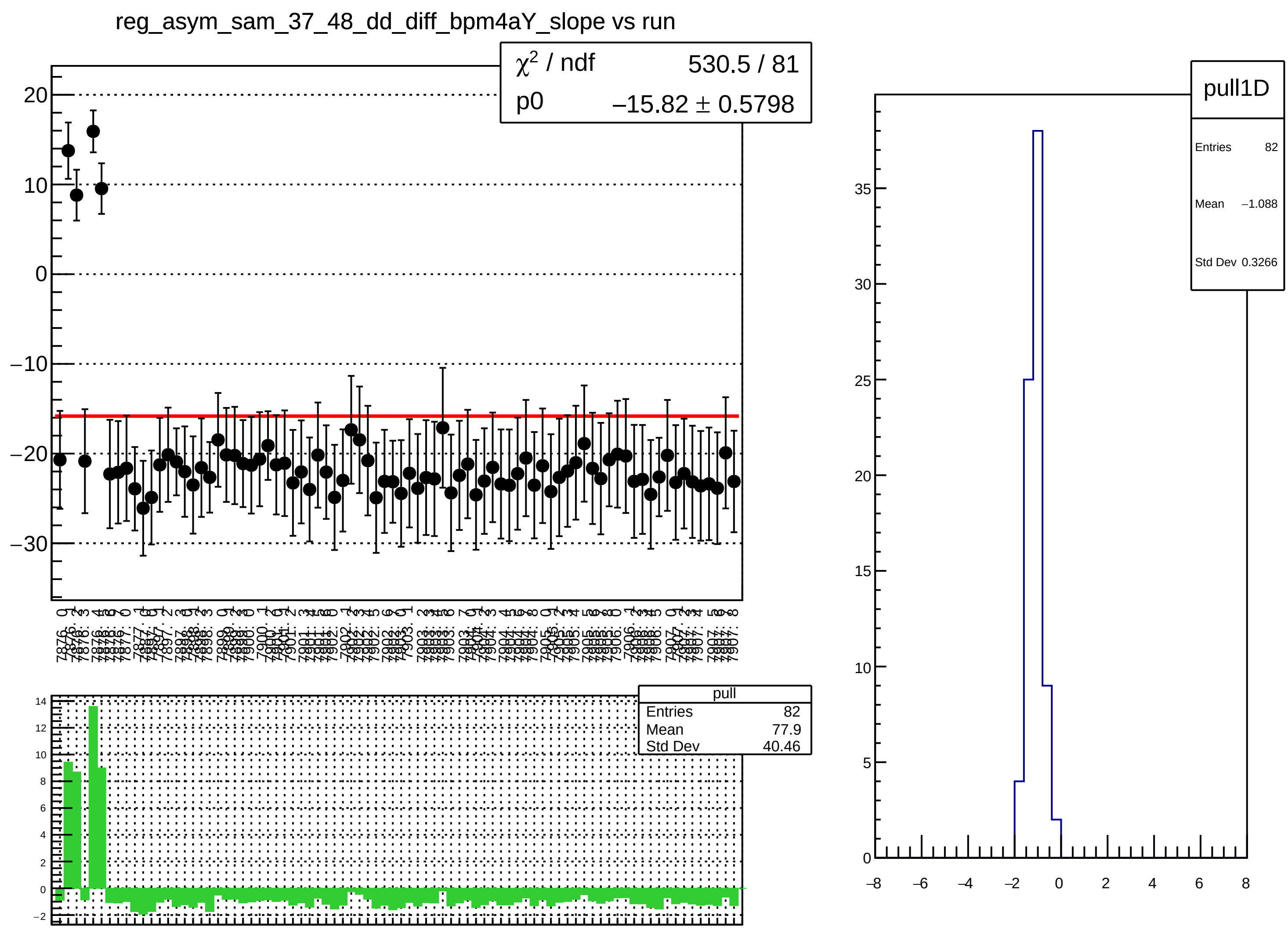



reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 26.27 / 81
p0 −15.84 ± 2.621
20
0
−20
−40
−60
pull
Entries 82
Mean 76.88
Std Dev 38.38
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean 0.1379
Std Dev 0.549
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

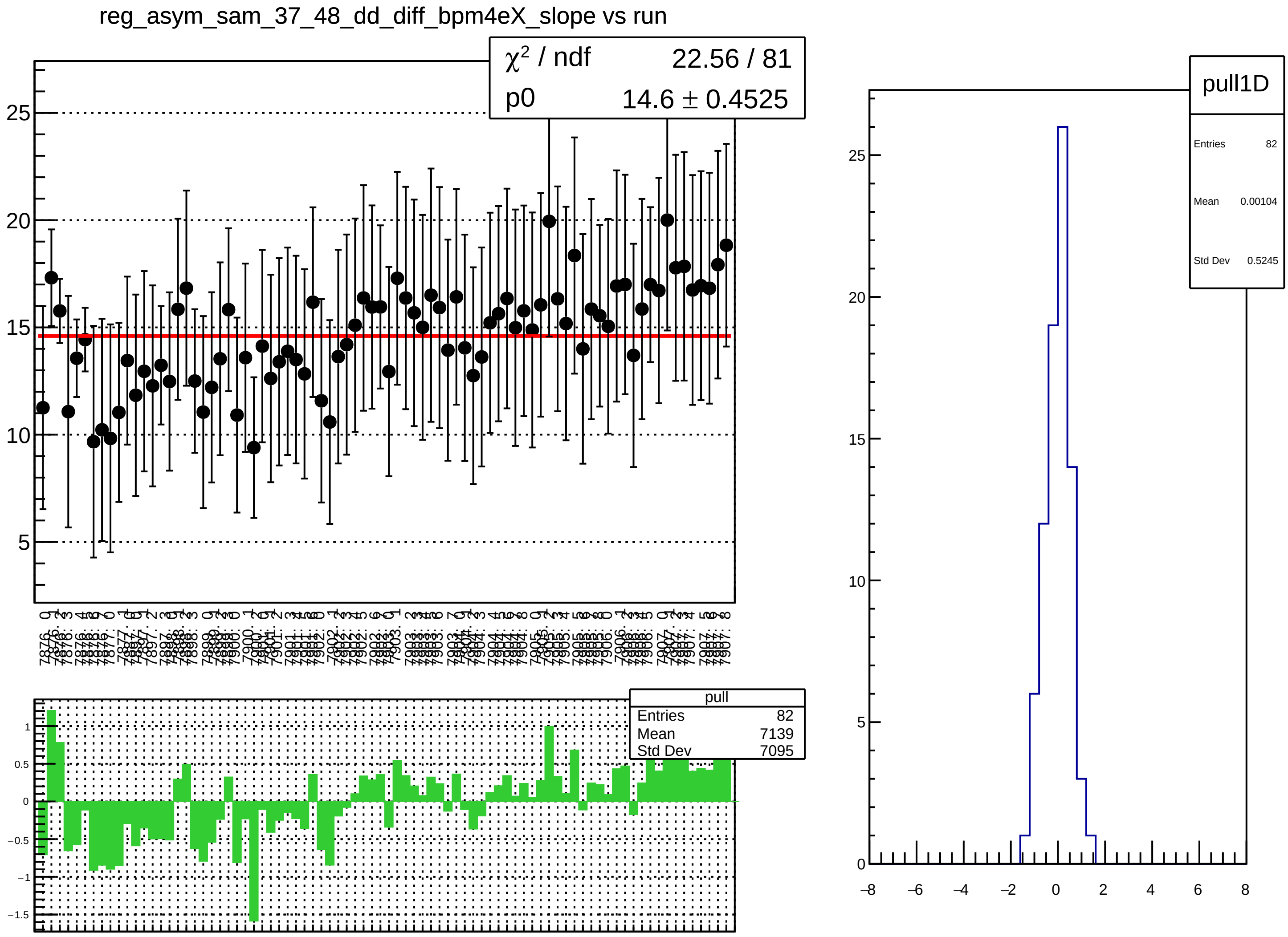

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.289 / 81
p0 1.072 ± 0.08743
pull
Entries 82
Mean 312.4
Std Dev 278.3
pull1D
Entries 82
Mean 0.01256
Std Dev 0.2979

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run

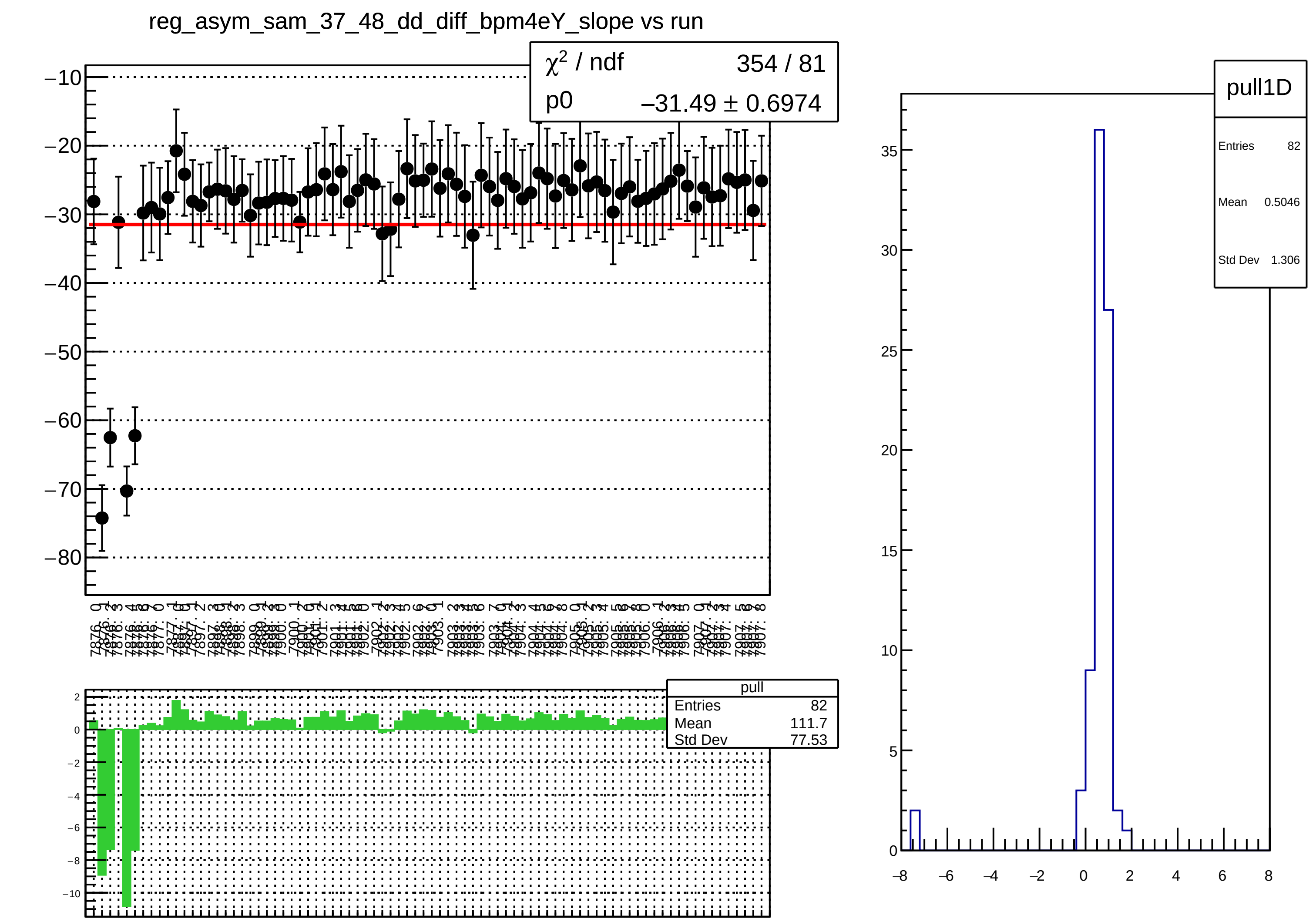




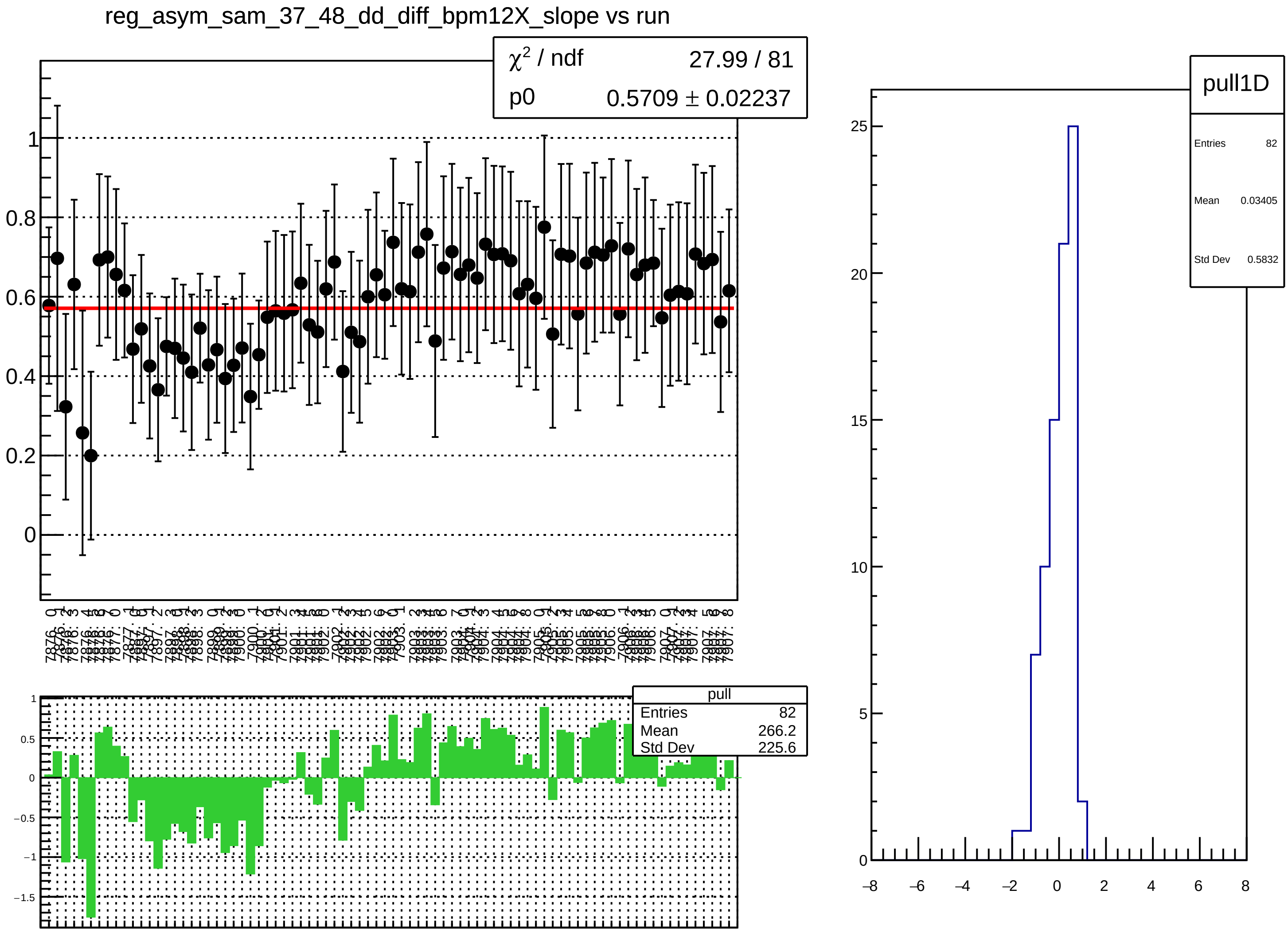
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 530.5 / 81
p0 −15.82 ± 0.5798
pull
Entries 82
Mean 77.9
Std Dev 40.46
pull1D
Entries 82
Mean −1.088
Std Dev 0.3266



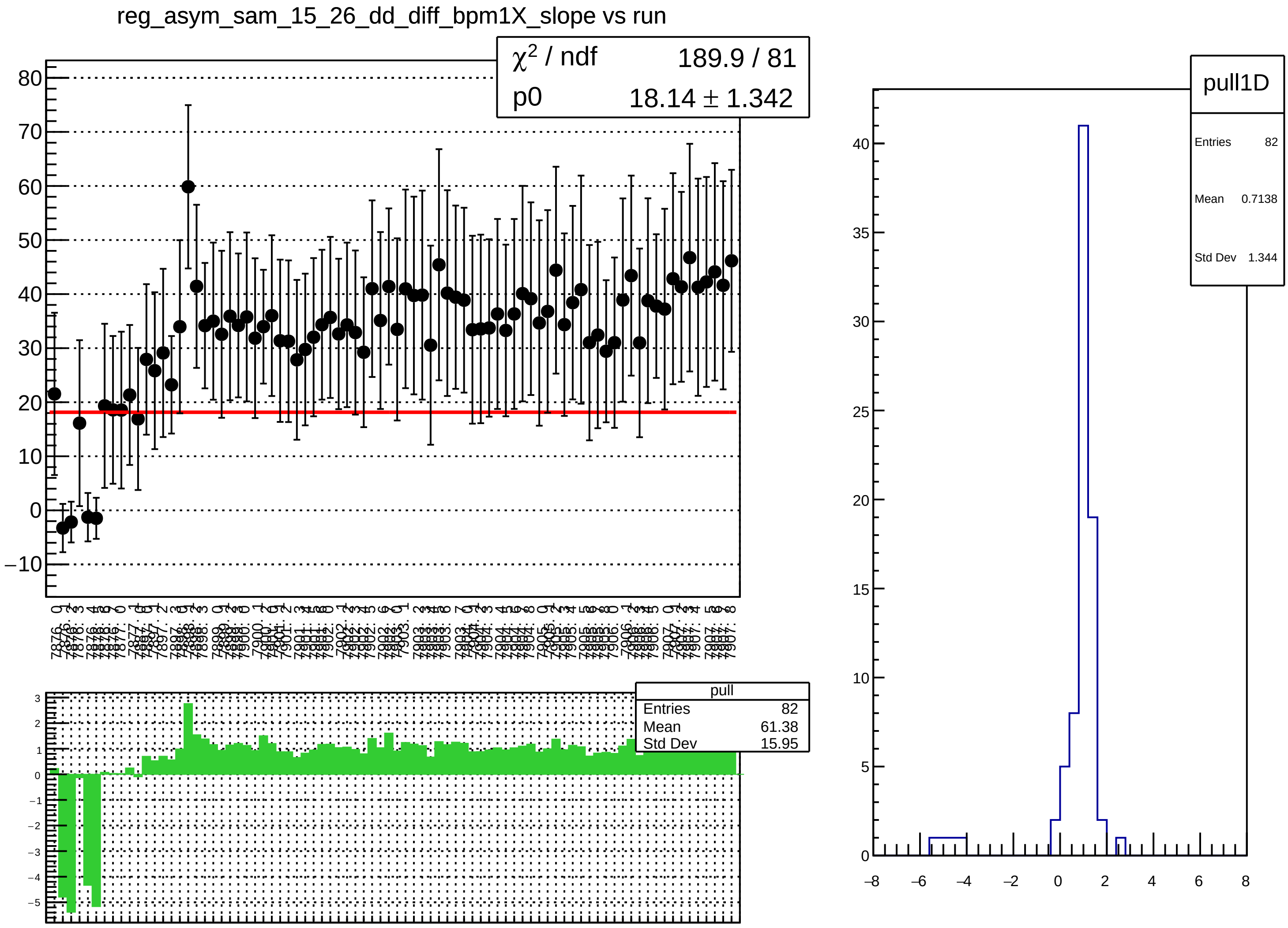
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 22.56 / 81
p0 14.6 ± 0.4525
pull
Entries 82
Mean 7139
Std Dev 7095
pull1D
Entries 82
Mean 0.00104
Std Dev 0.5245



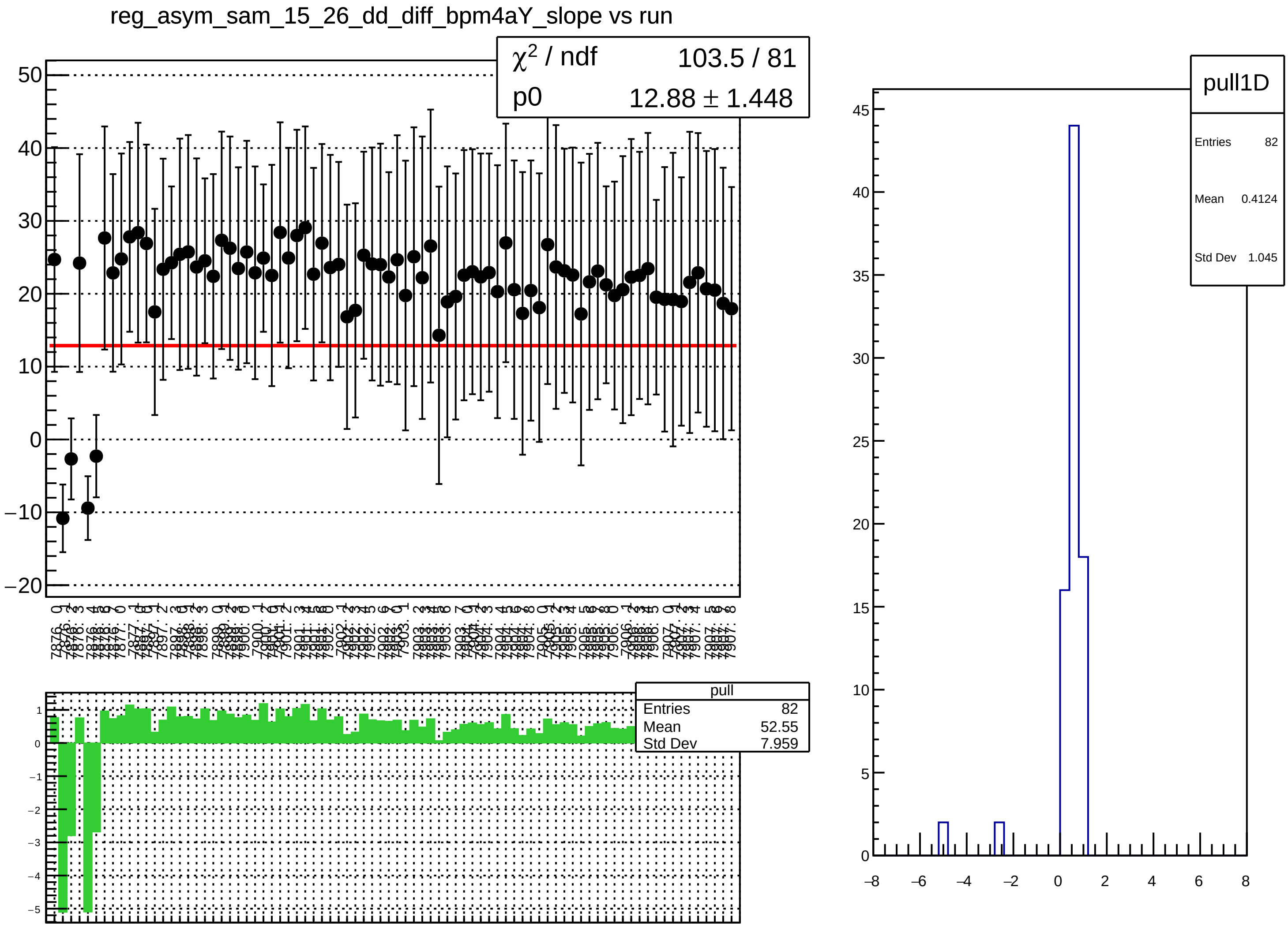
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 354 / 81
p0 −31.49 ± 0.6974
pull
Entries 82
Mean 111.7
Std Dev 77.53
pull1D
Entries 82
Mean 0.5046
Std Dev 1.306



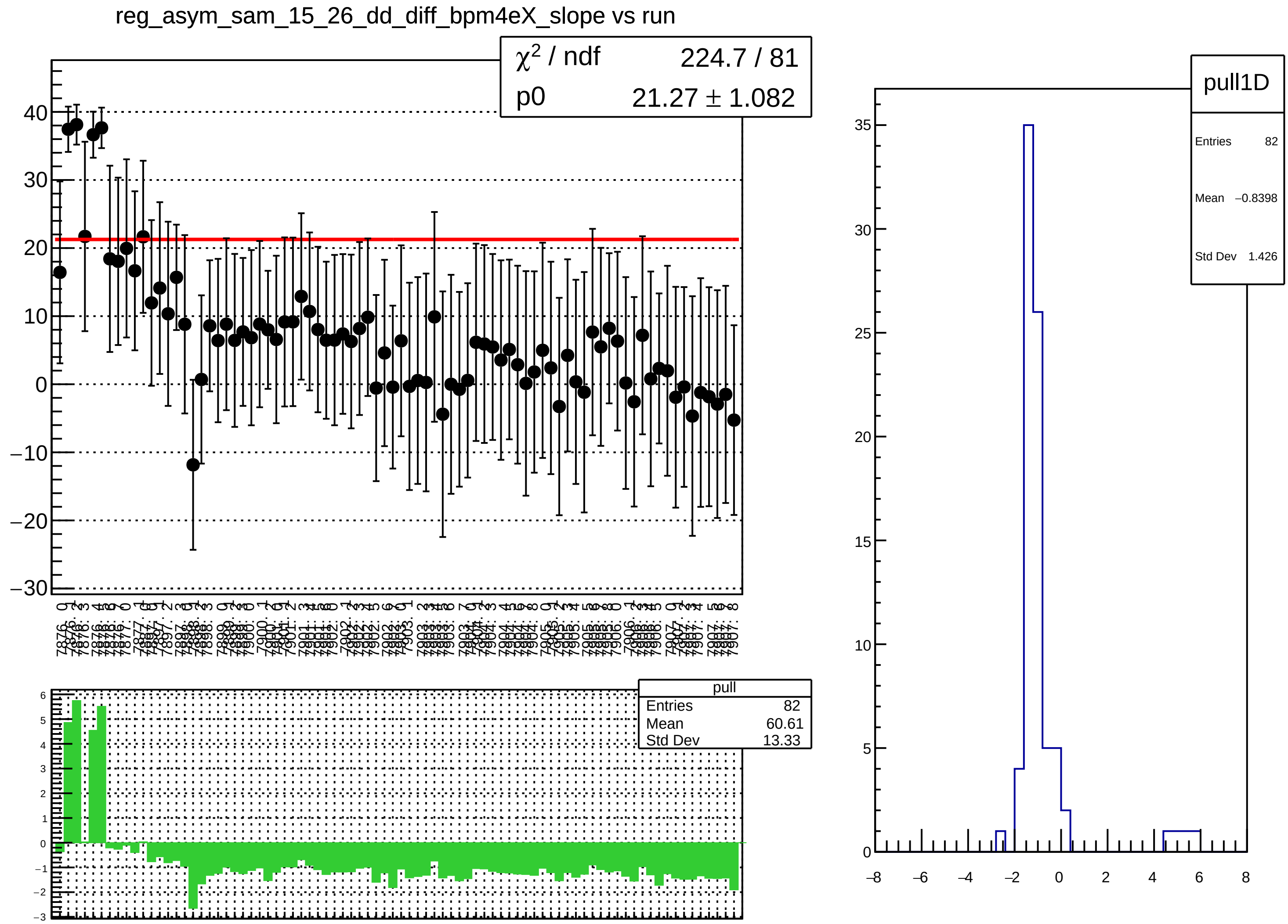
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 27.99 / 81
p0 0.5709 ± 0.02237
pull
Entries 82
Mean 266.2
Std Dev 225.6
pull1D
Entries 82
Mean 0.03405
Std Dev 0.5832

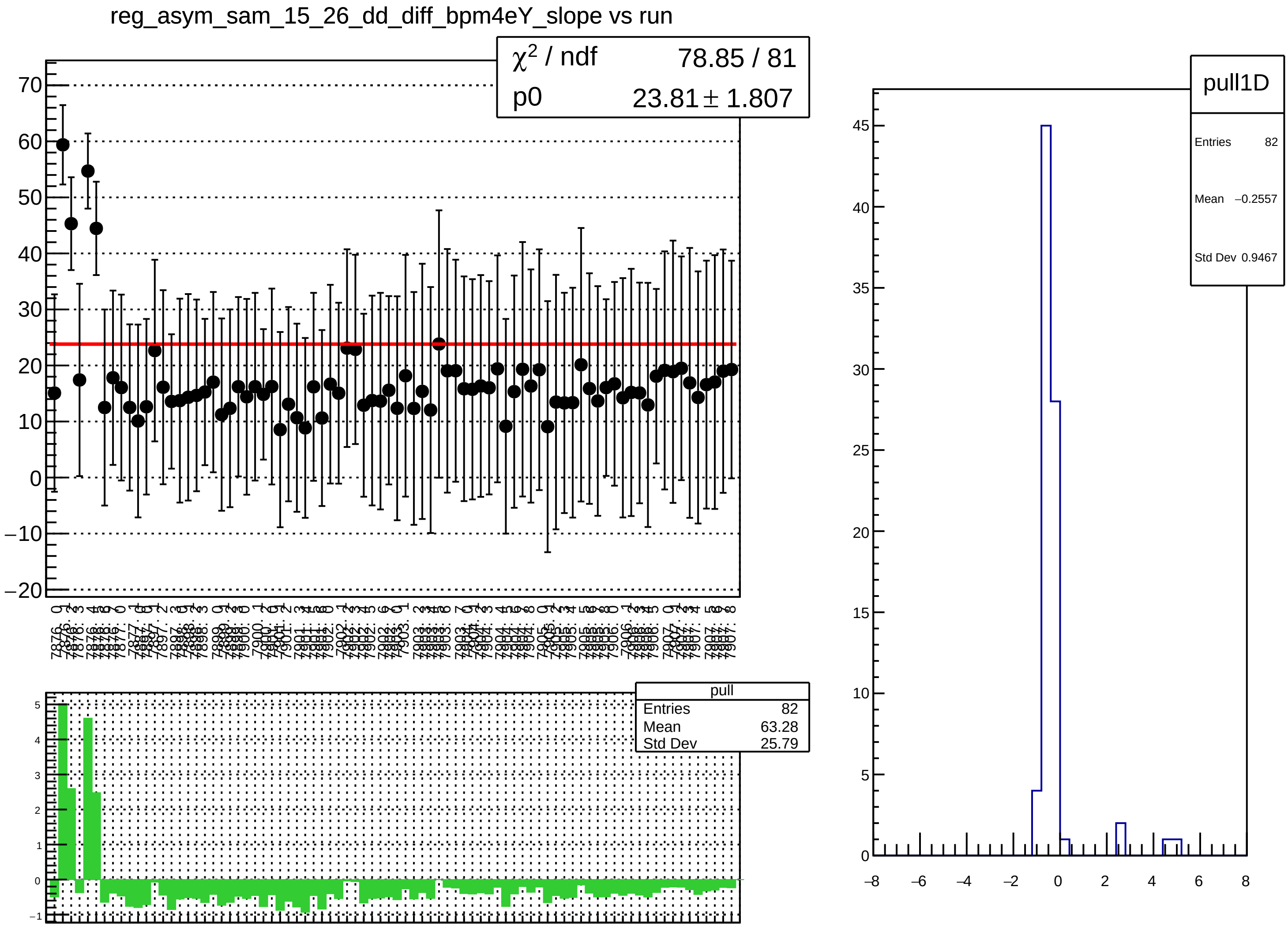


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 189.9 / 81
p0 18.14 ± 1.342
pull
Entries 82
Mean 61.38
Std Dev 15.95
pull1D
Entries 82
Mean 0.7138
Std Dev 1.344

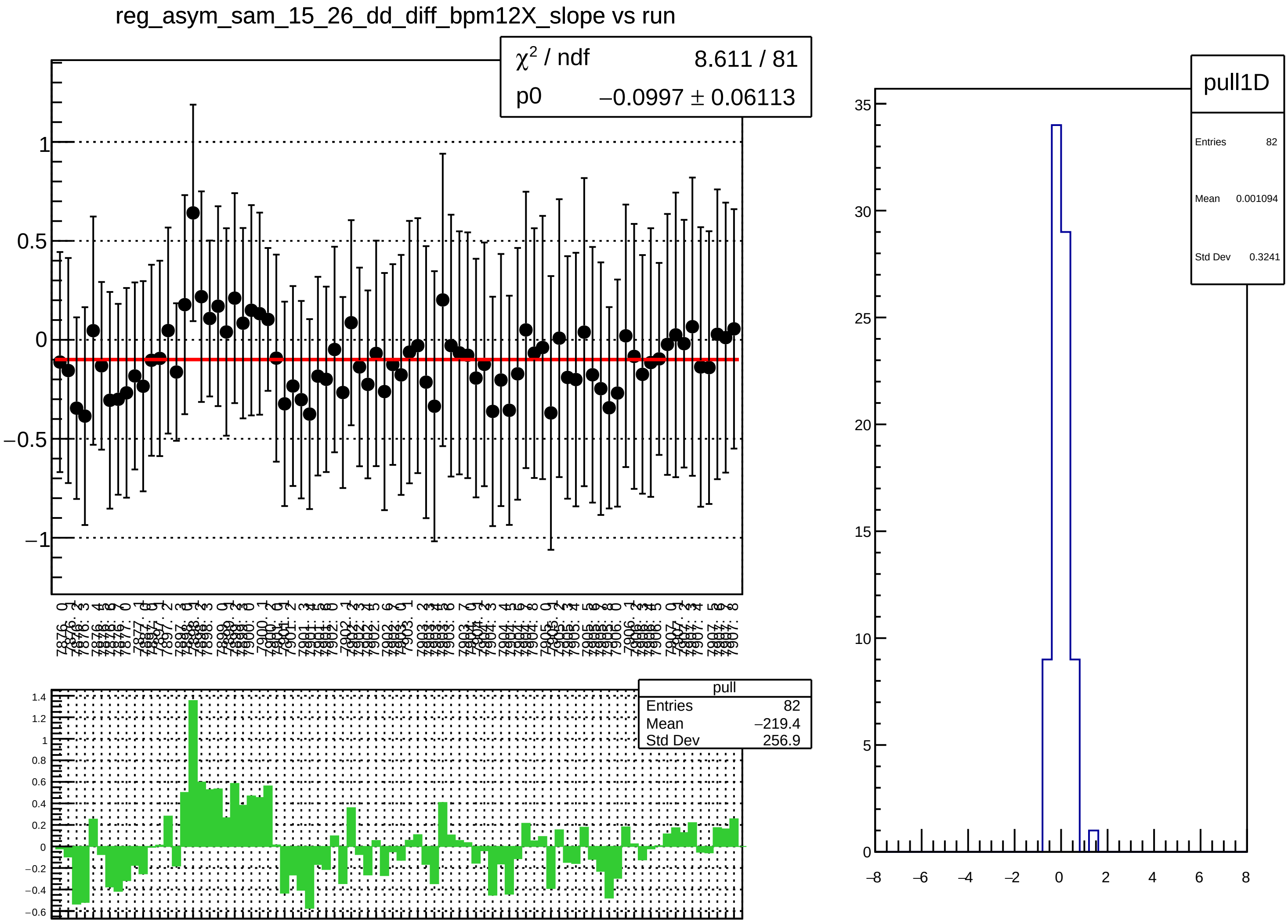


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 103.5 / 81
p0 12.88 ± 1.448
pull
Entries 82
Mean 52.55
Std Dev 7.959
pull1D
Entries 82
Mean 0.4124
Std Dev 1.045

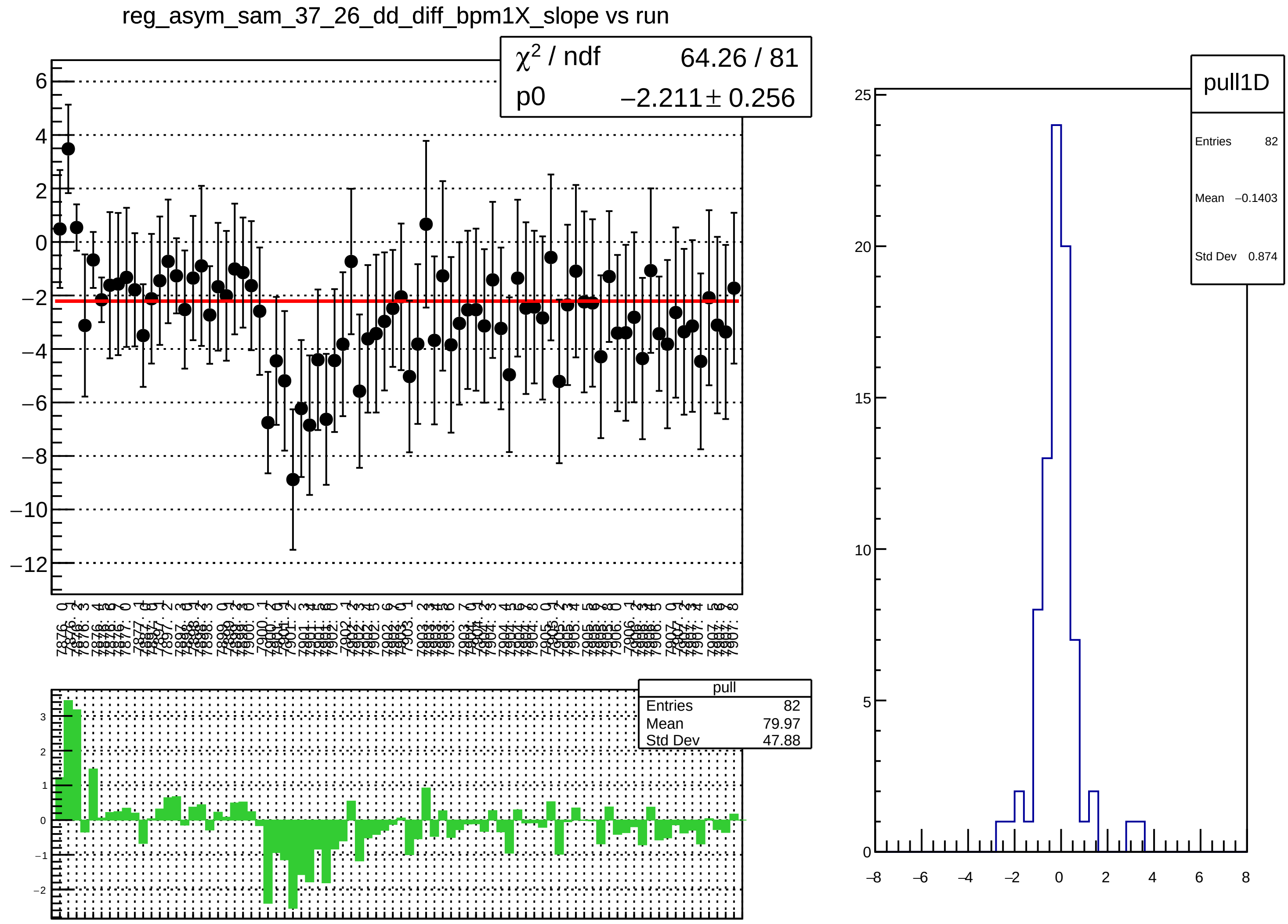

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 224.7 / 81
p0 21.27 ± 1.082
pull
Entries 82
Mean 60.61
Std Dev 13.33
pull1D
Entries 82
Mean −0.8398
Std Dev 1.426



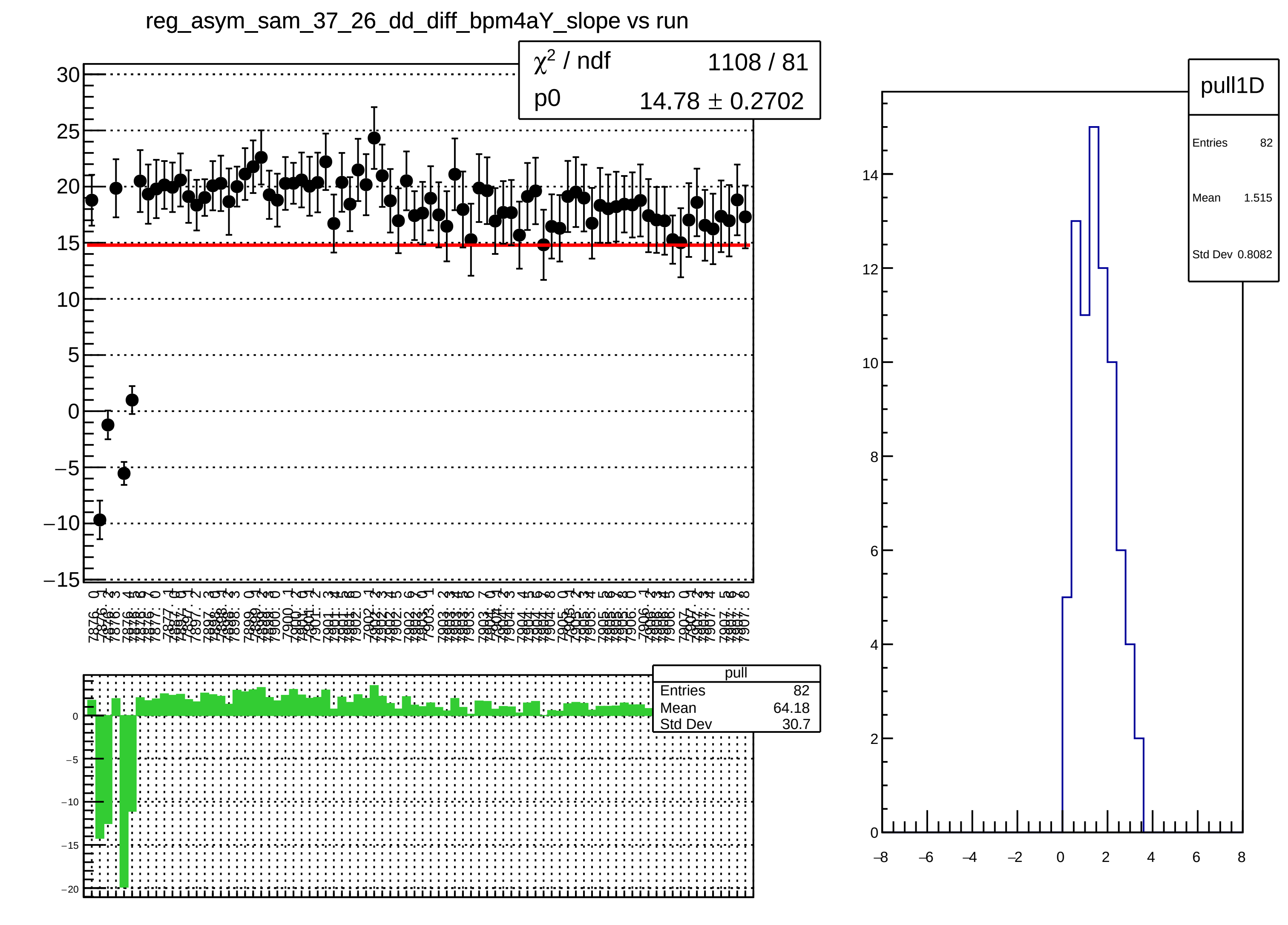
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 78.85 / 81
p0 23.81 ± 1.807
pull
Entries 82
Mean 63.28
Std Dev 25.79
pull1D
Entries 82
Mean −0.2557
Std Dev 0.9467



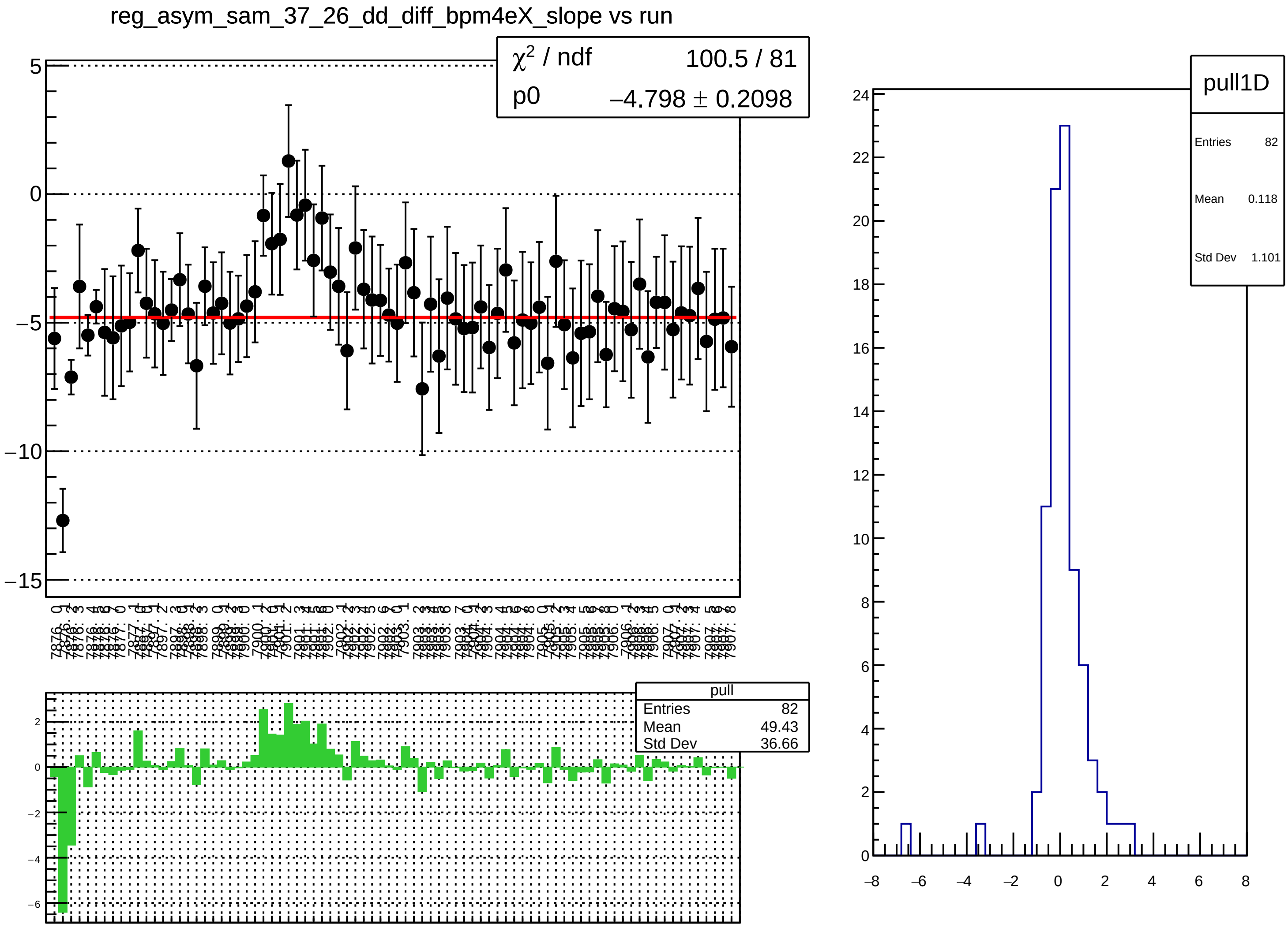
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.611 / 81
p0 −0.0997 ± 0.06113
pull
Entries 82
Mean −219.4
Std Dev 256.9
pull1D
Entries 82
Mean 0.001094
Std Dev 0.3241



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

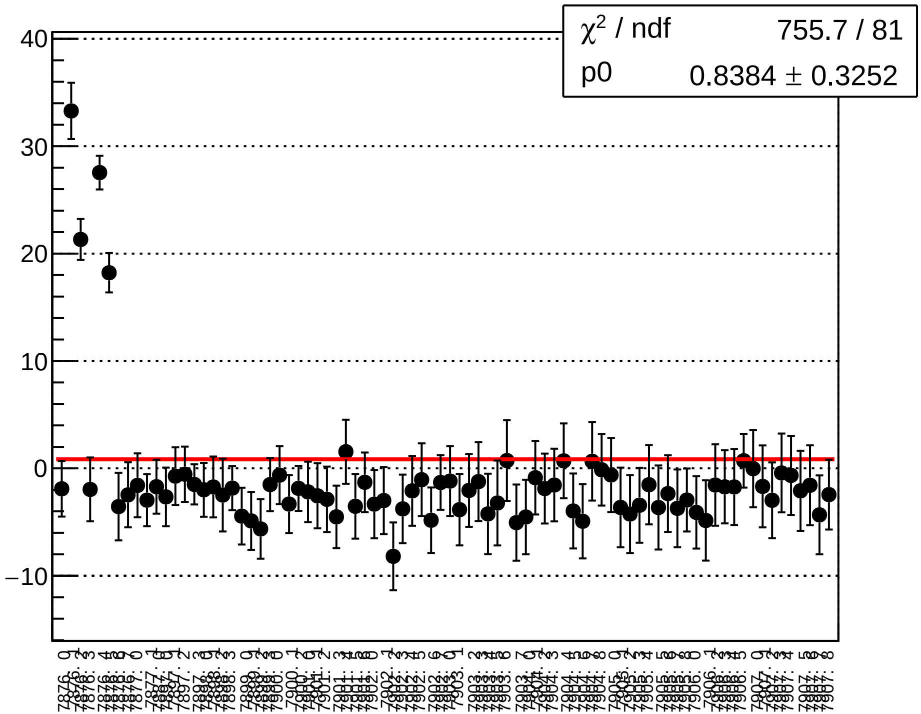


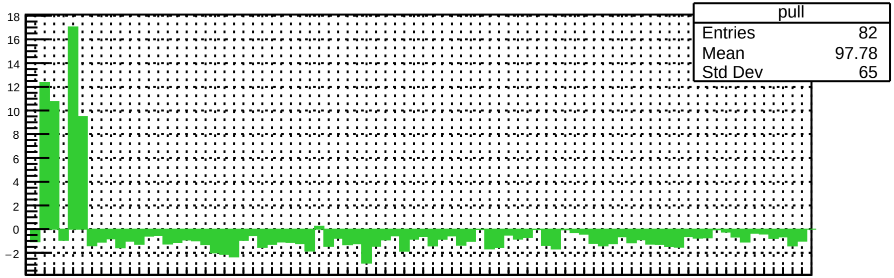
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 1108 / 81
p0 14.78 ± 0.2702
30
25
20
15
10
5
0
−5
−10
−15
pull
Entries 82
Mean 64.18
Std Dev 30.7
0
−5
−10
−15
−20
pull1D
Entries 82
Mean 1.515
Std Dev 0.8082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

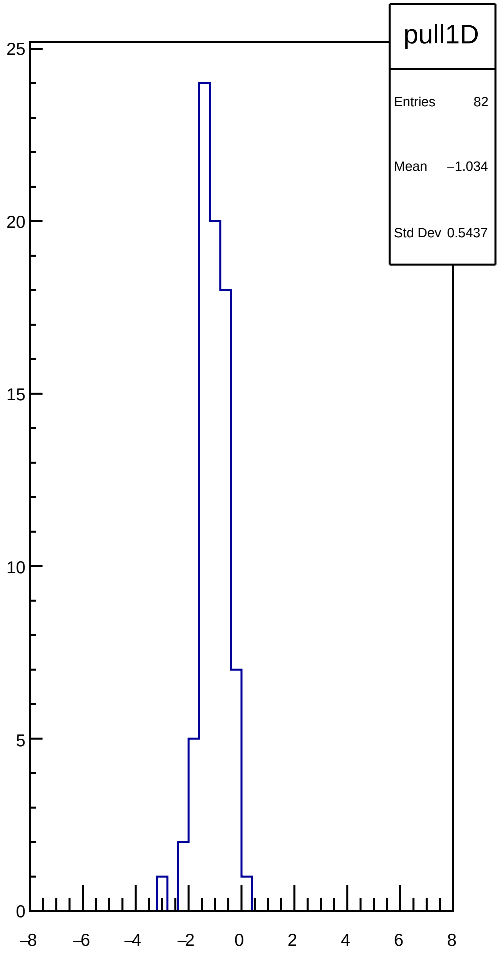


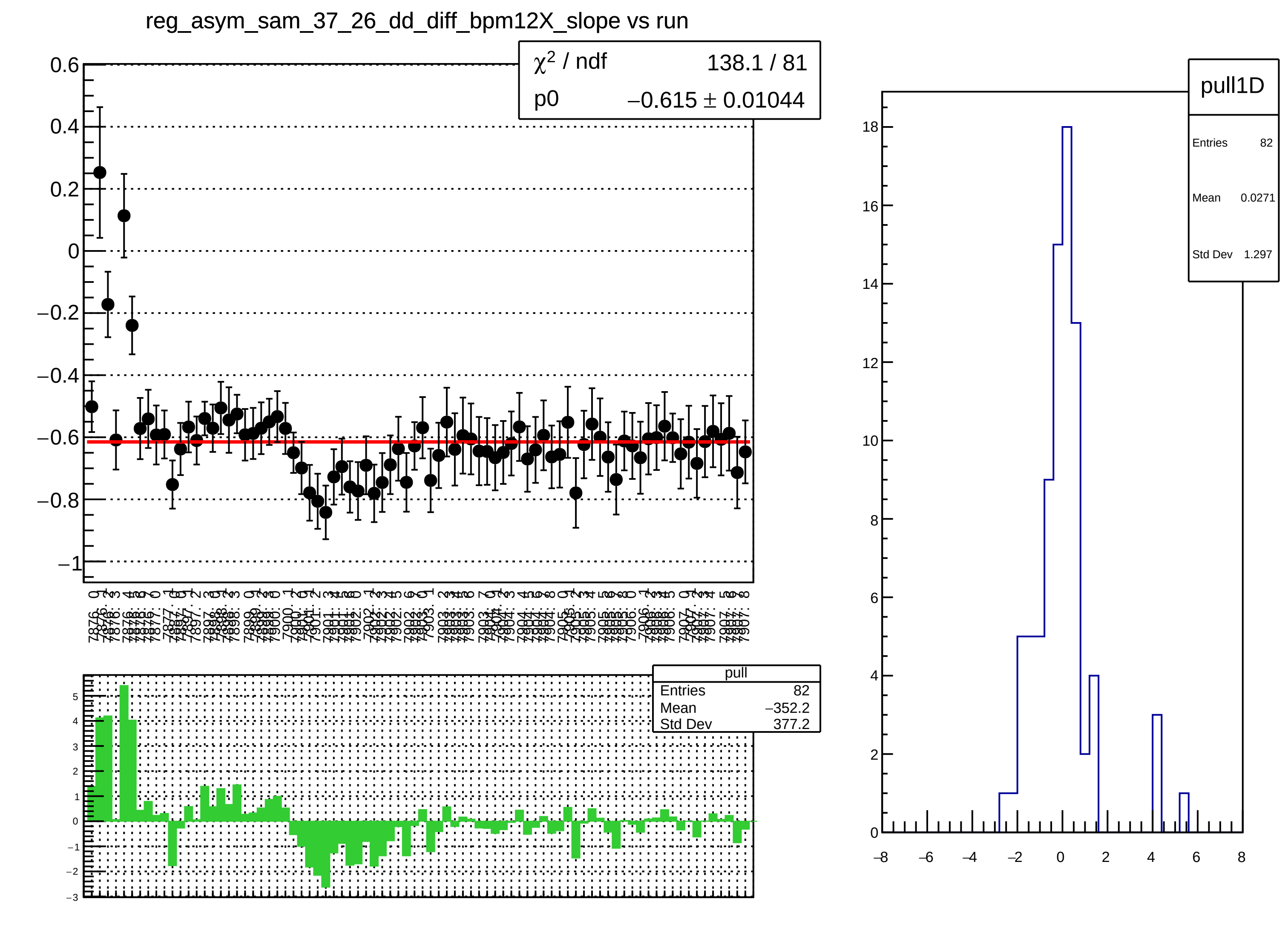
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 100.5 / 81
p0 −4.798 ± 0.2098
5
0
−5
−10
−15
pull
Entries 82
Mean 49.43
Std Dev 36.66
2
0
−2
−4
−6
pull1D
Entries 82
Mean 0.118
Std Dev 1.101
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run

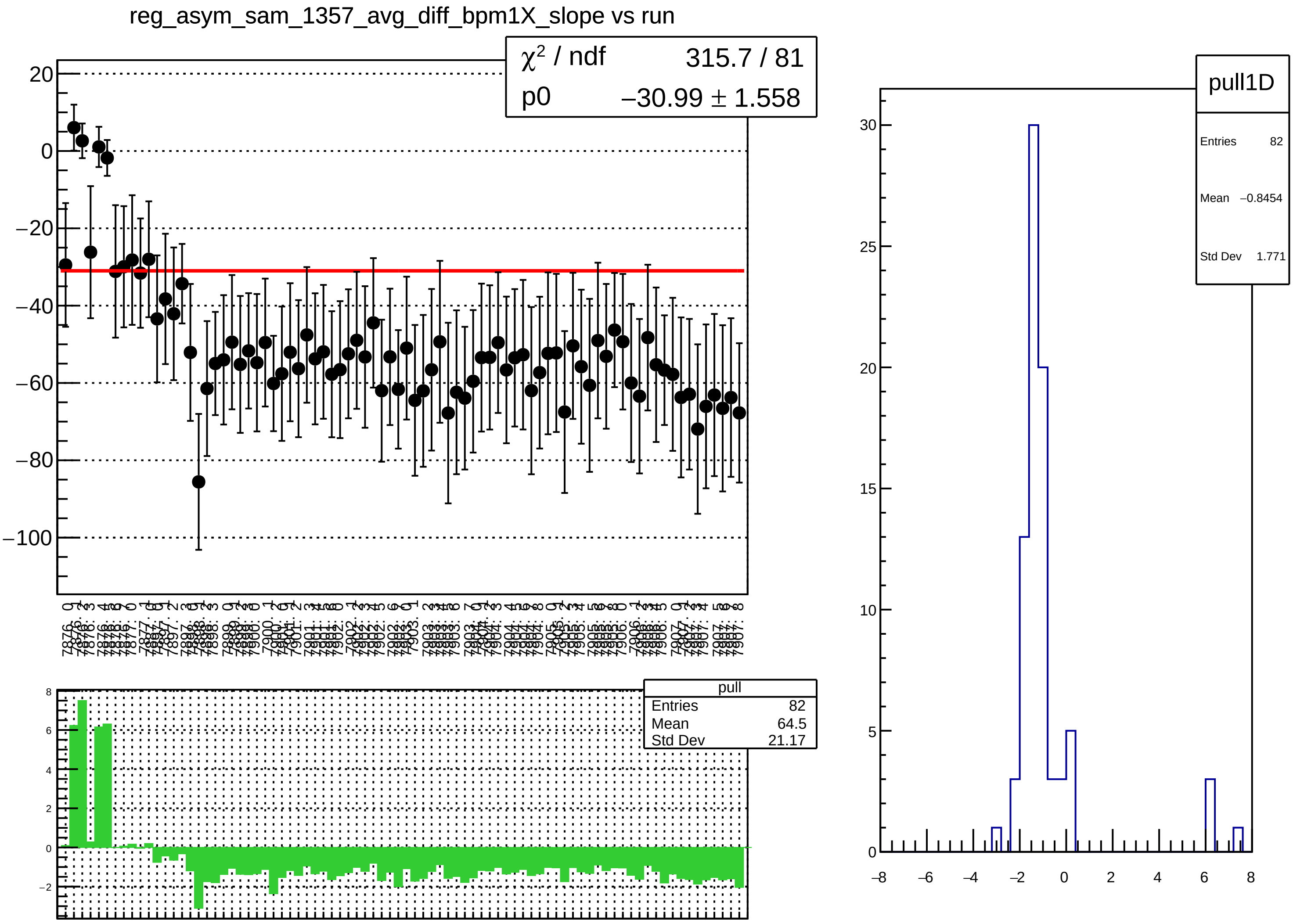




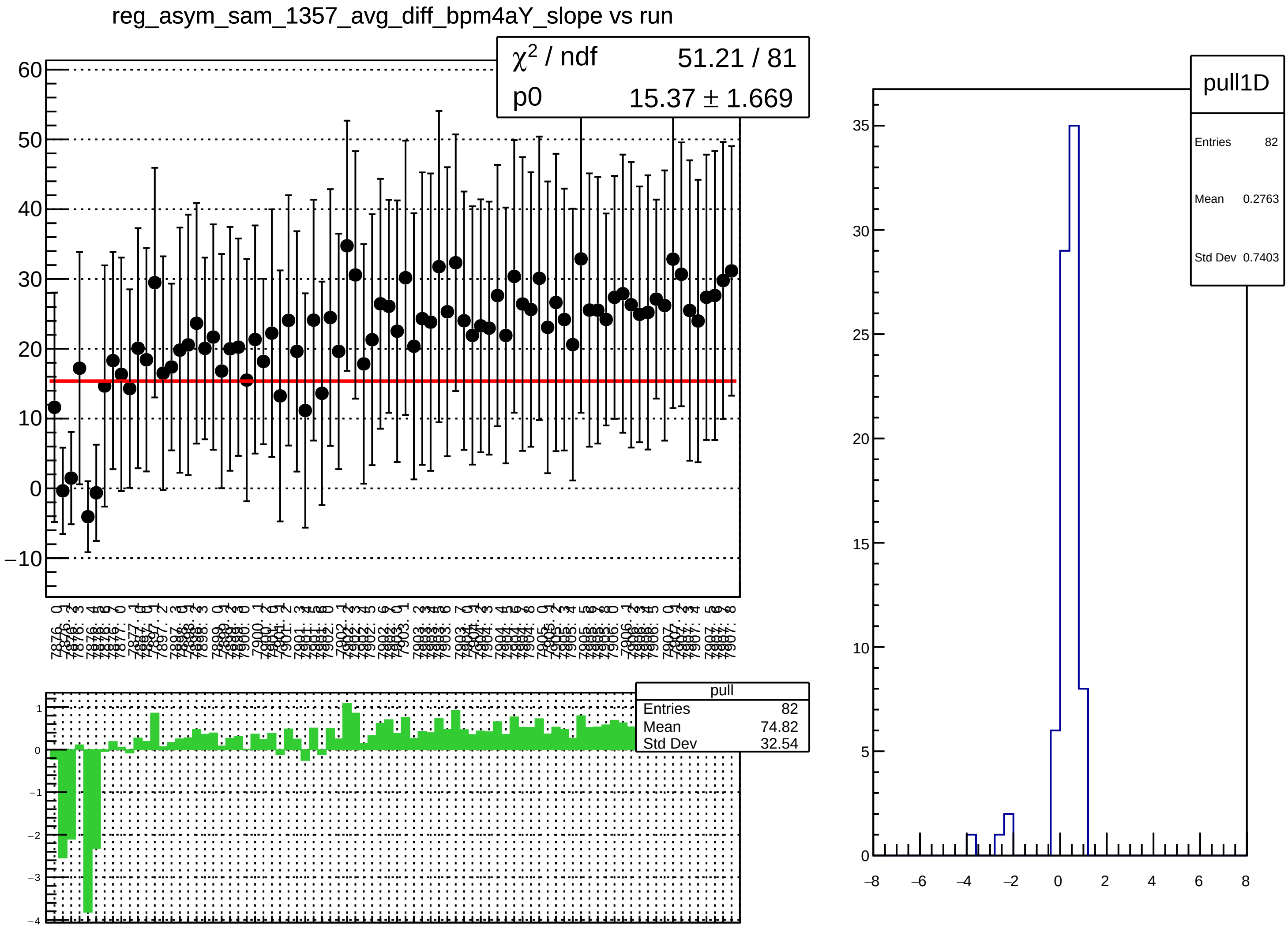




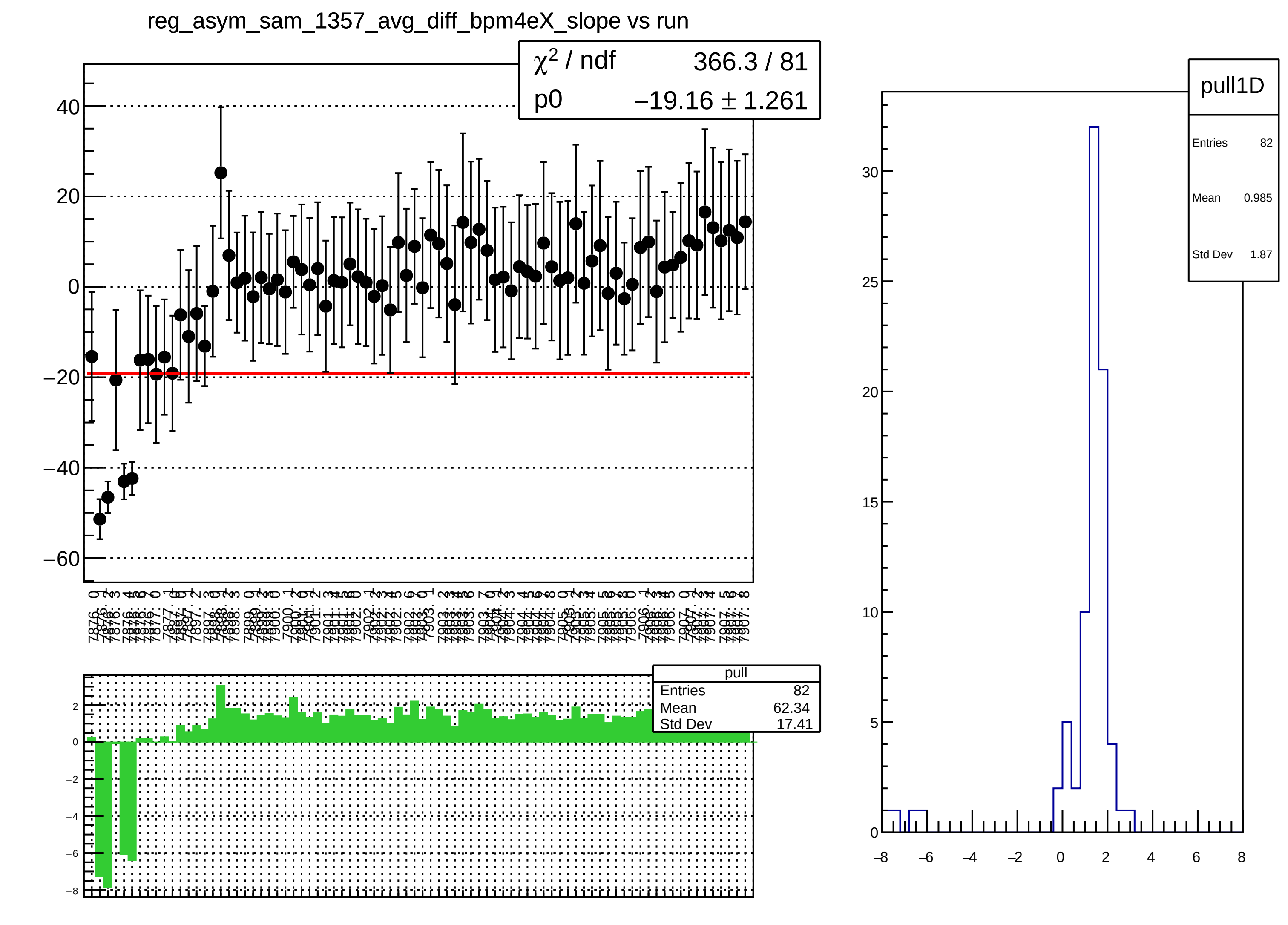
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 138.1 / 81
p0 −0.615 ± 0.01044
pull
Entries 82
Mean −352.2
Std Dev 377.2
pull1D
Entries 82
Mean 0.0271
Std Dev 1.297

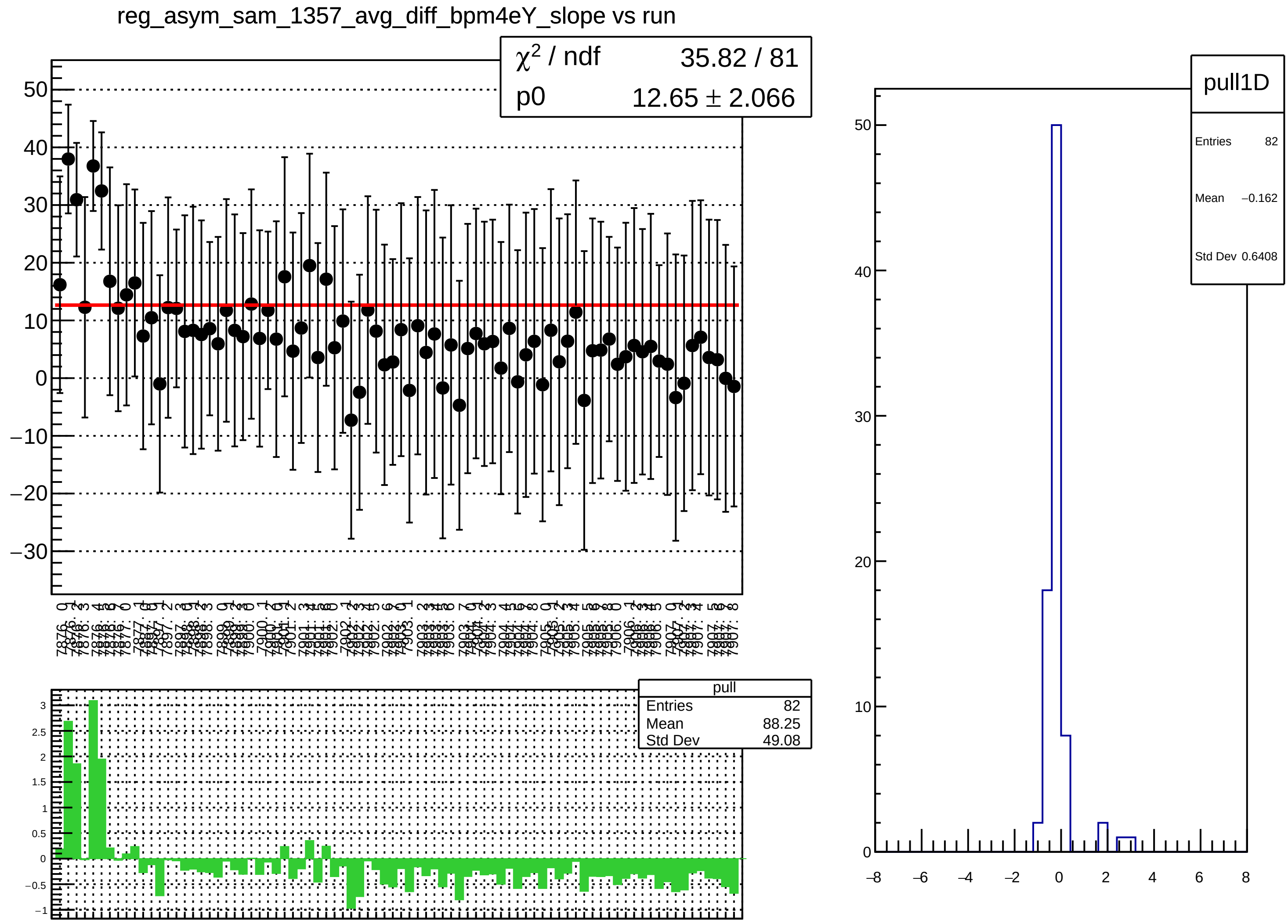


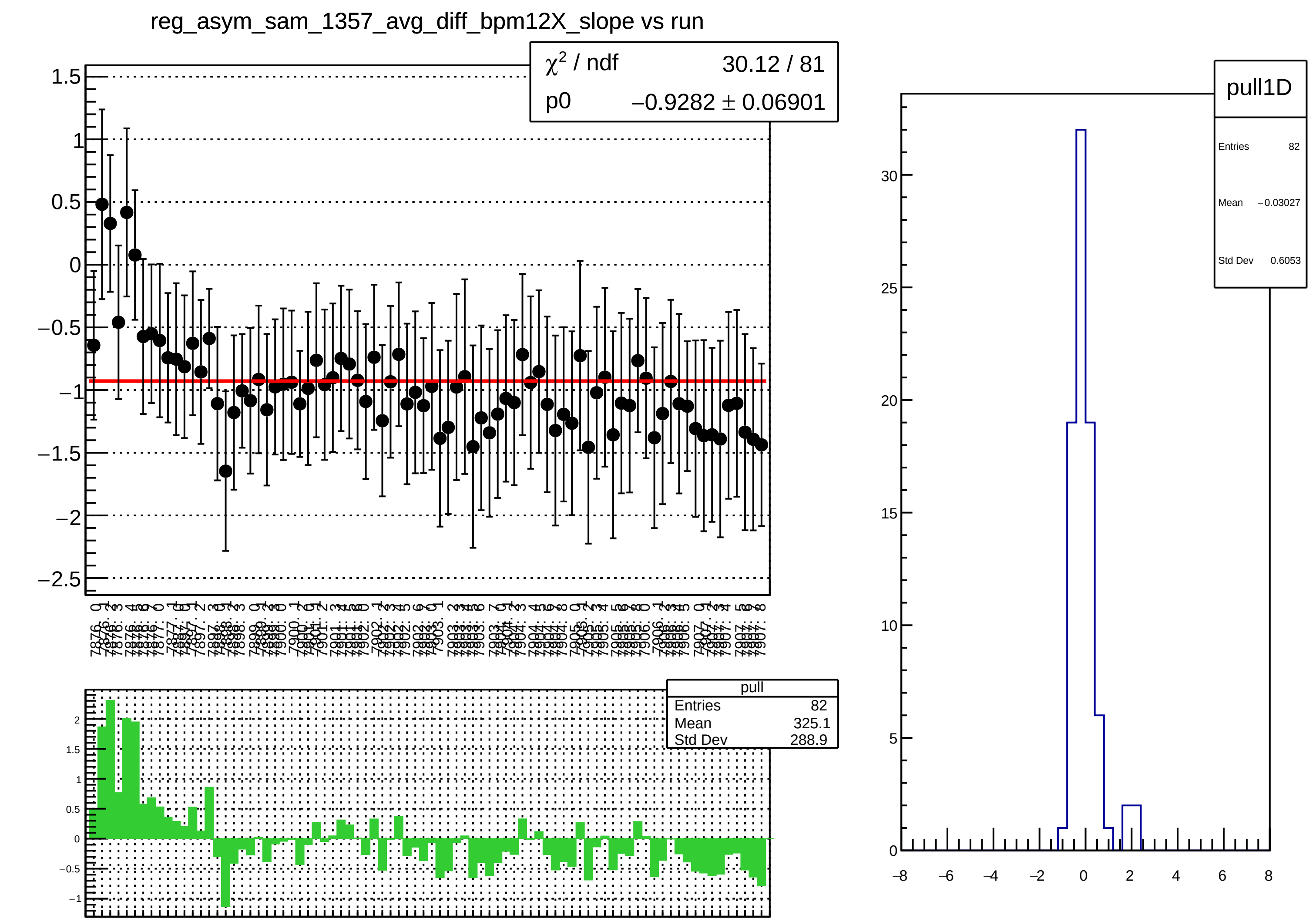
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 315.7 / 81
p0 −30.99 ± 1.558
20
0
−20
−40
−60
−80
−100
pull
Entries 82
Mean 64.5
Std Dev 21.17
8
6
4
2
0
−2
pull1D
Entries 82
Mean −0.8454
Std Dev 1.771
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



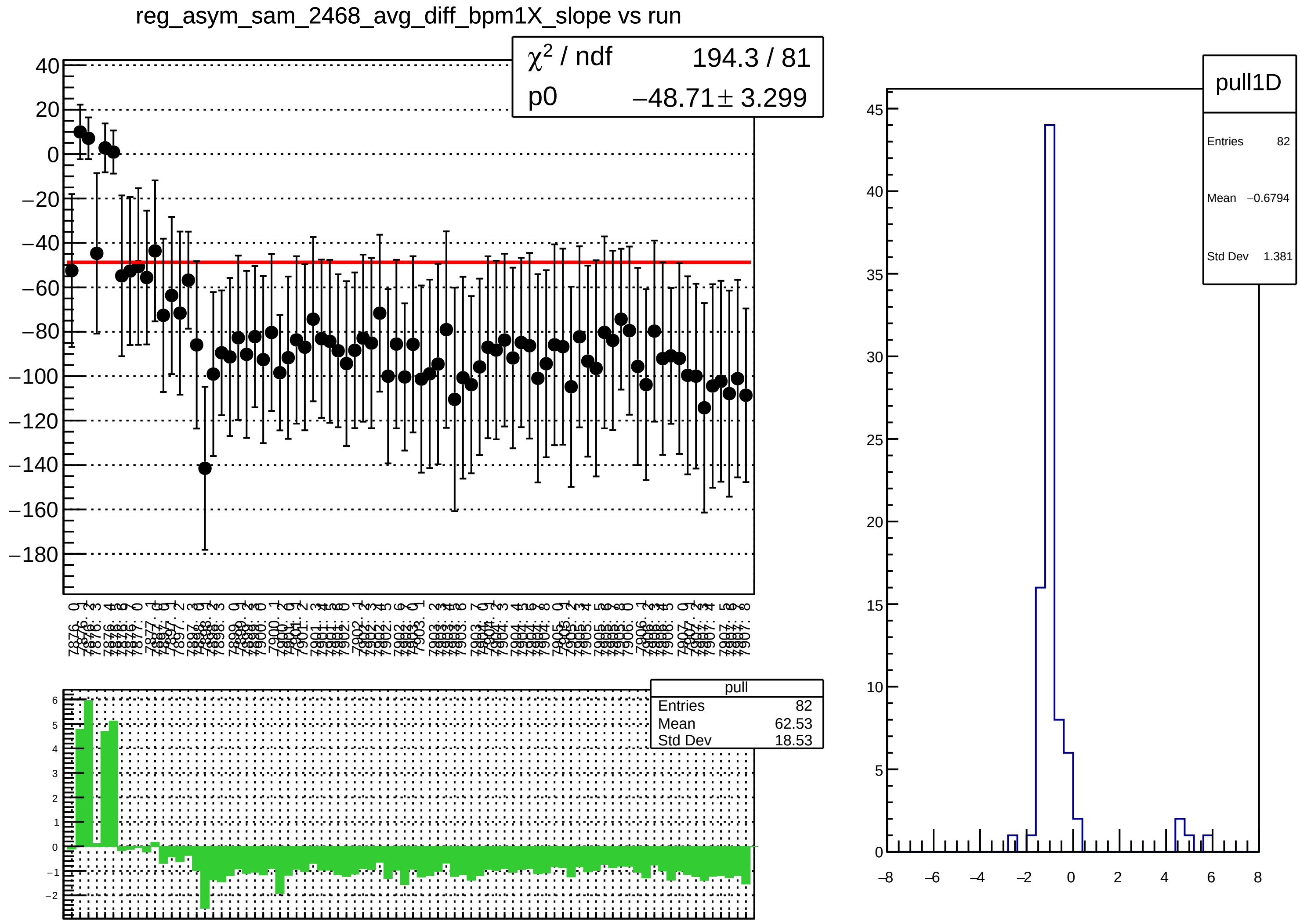
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 51.21 / 81
p0 15.37 ± 1.669
pull
Entries 82
Mean 74.82
Std Dev 32.54
pull1D
Entries 82
Mean 0.2763
Std Dev 0.7403


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

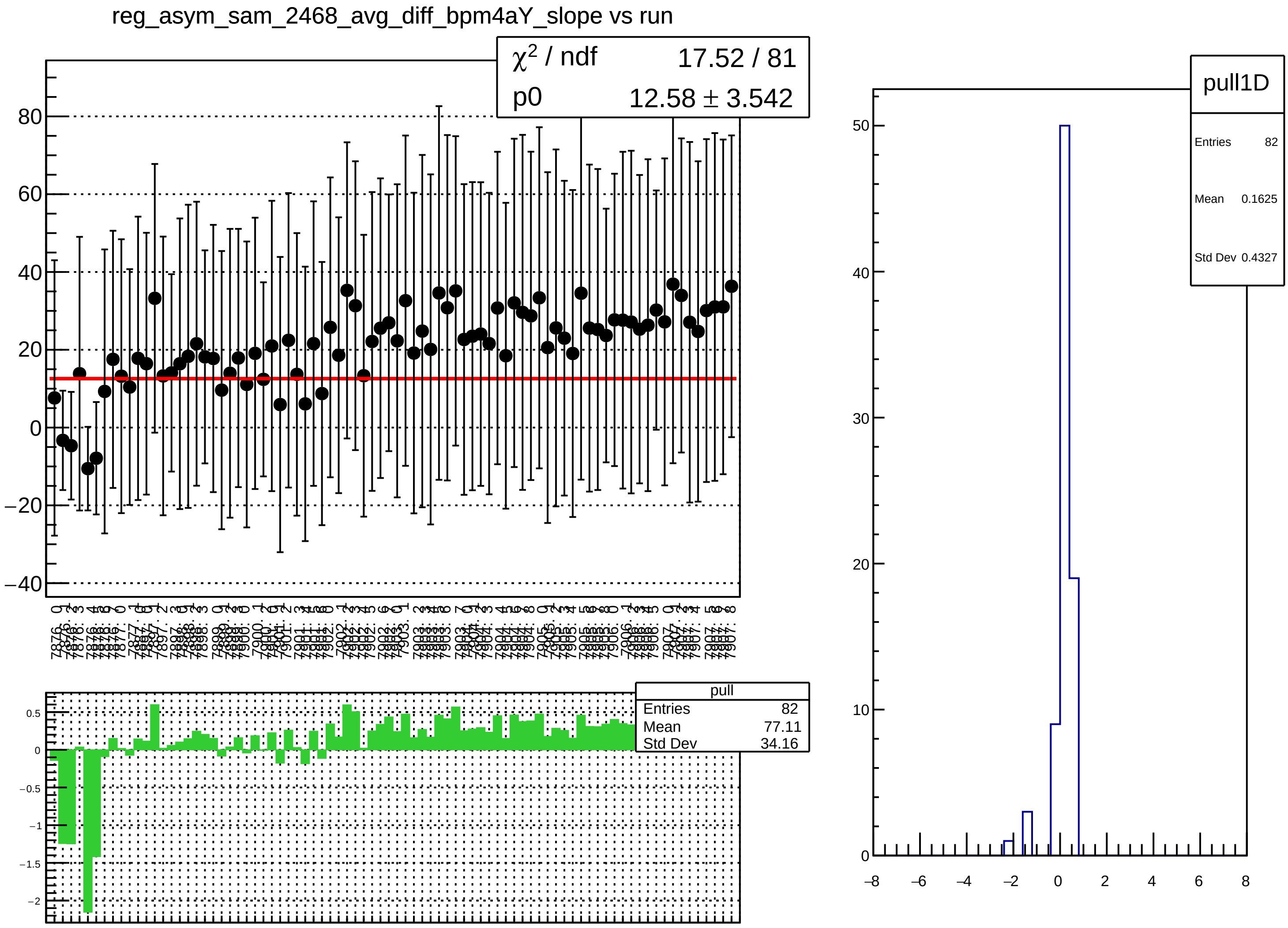

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.82 / 81
p0 12.65 ± 2.066
pull
Entries 82
Mean 88.25
Std Dev 49.08
pull1D
Entries 82
Mean −0.162
Std Dev 0.6408



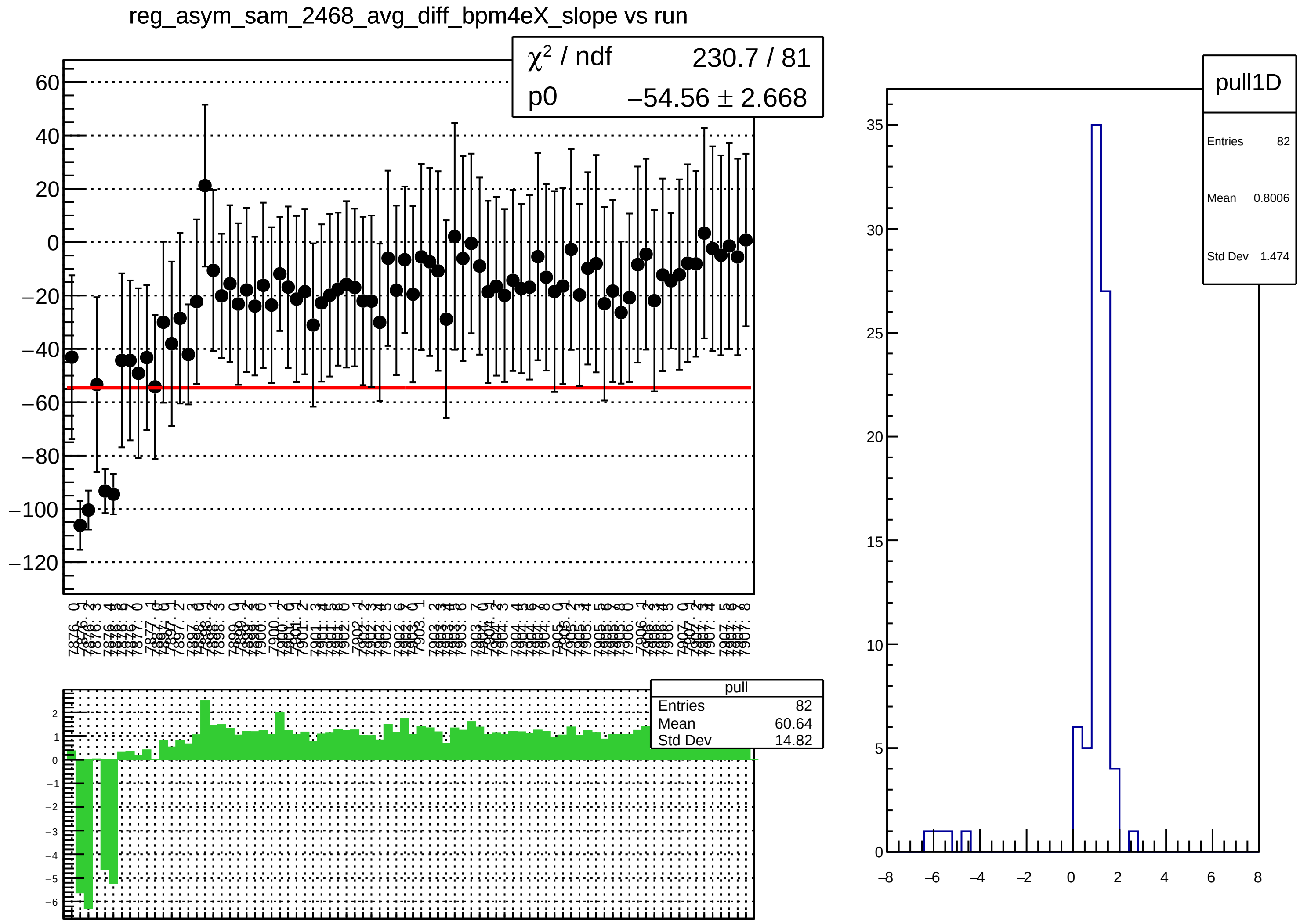
reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 30.12 / 81
p0 −0.9282 ± 0.06901
pull
Entries 82
Mean 325.1
Std Dev 288.9
pull1D
Entries 82
Mean −0.03027
Std Dev 0.6053

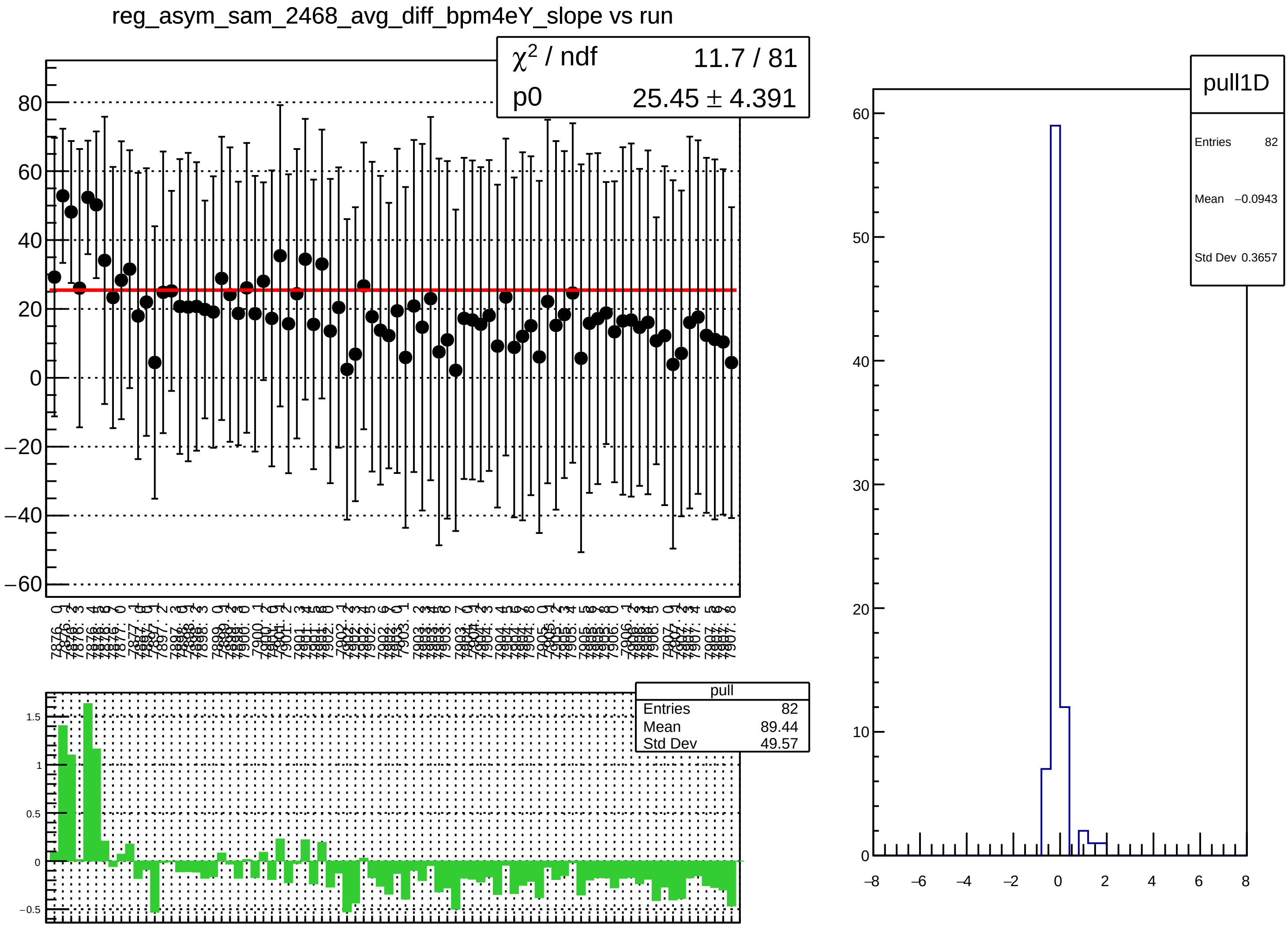


reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 194.3 / 81
p0 −48.71 ± 3.299
pull
Entries 82
Mean 62.53
Std Dev 18.53
pull1D
Entries 82
Mean −0.6794
Std Dev 1.381

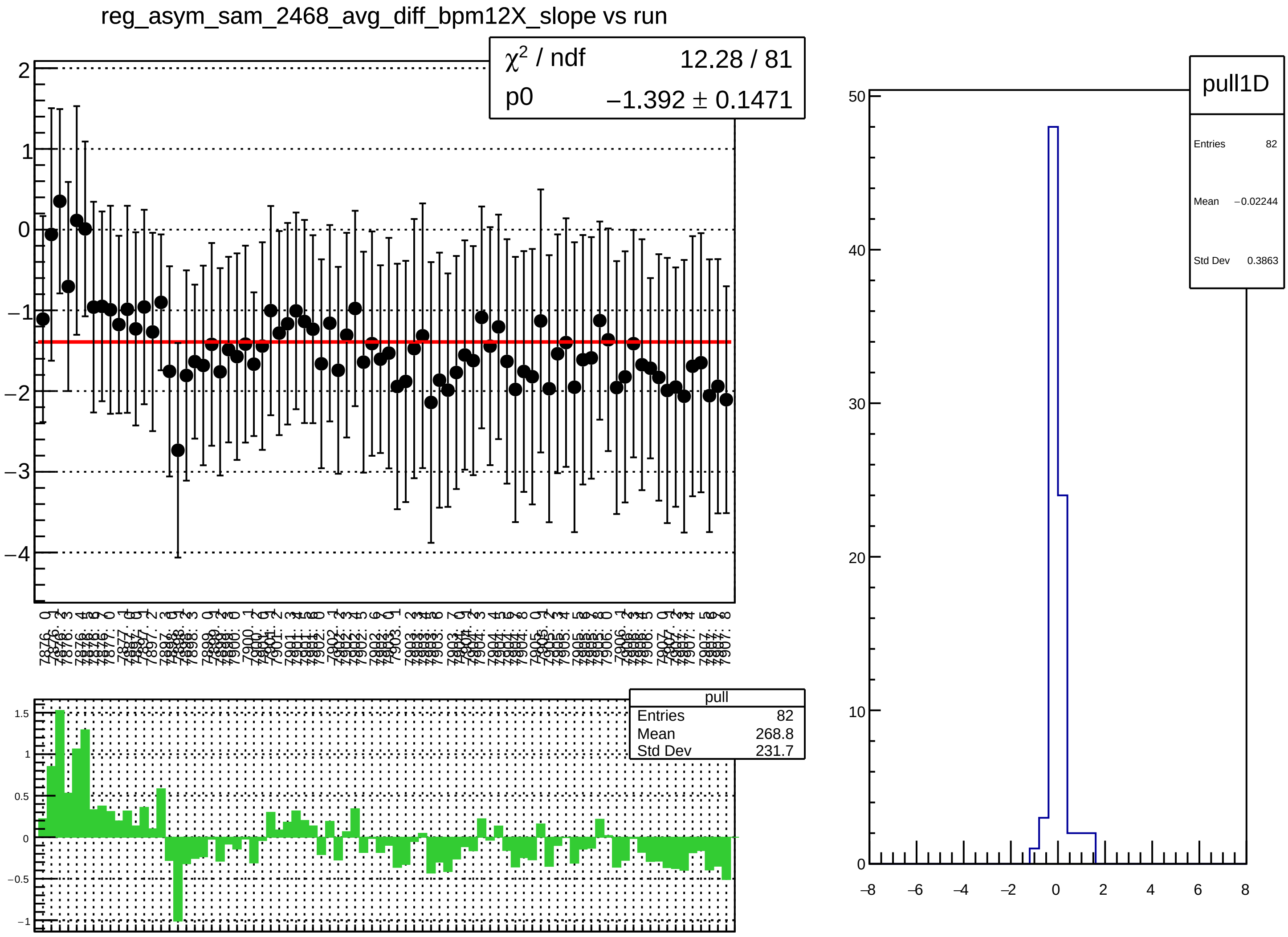


reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 17.52 / 81
p0 12.58 ± 3.542
pull
Entries 82
Mean 77.11
Std Dev 34.16
pull1D
Entries 82
Mean 0.1625
Std Dev 0.4327

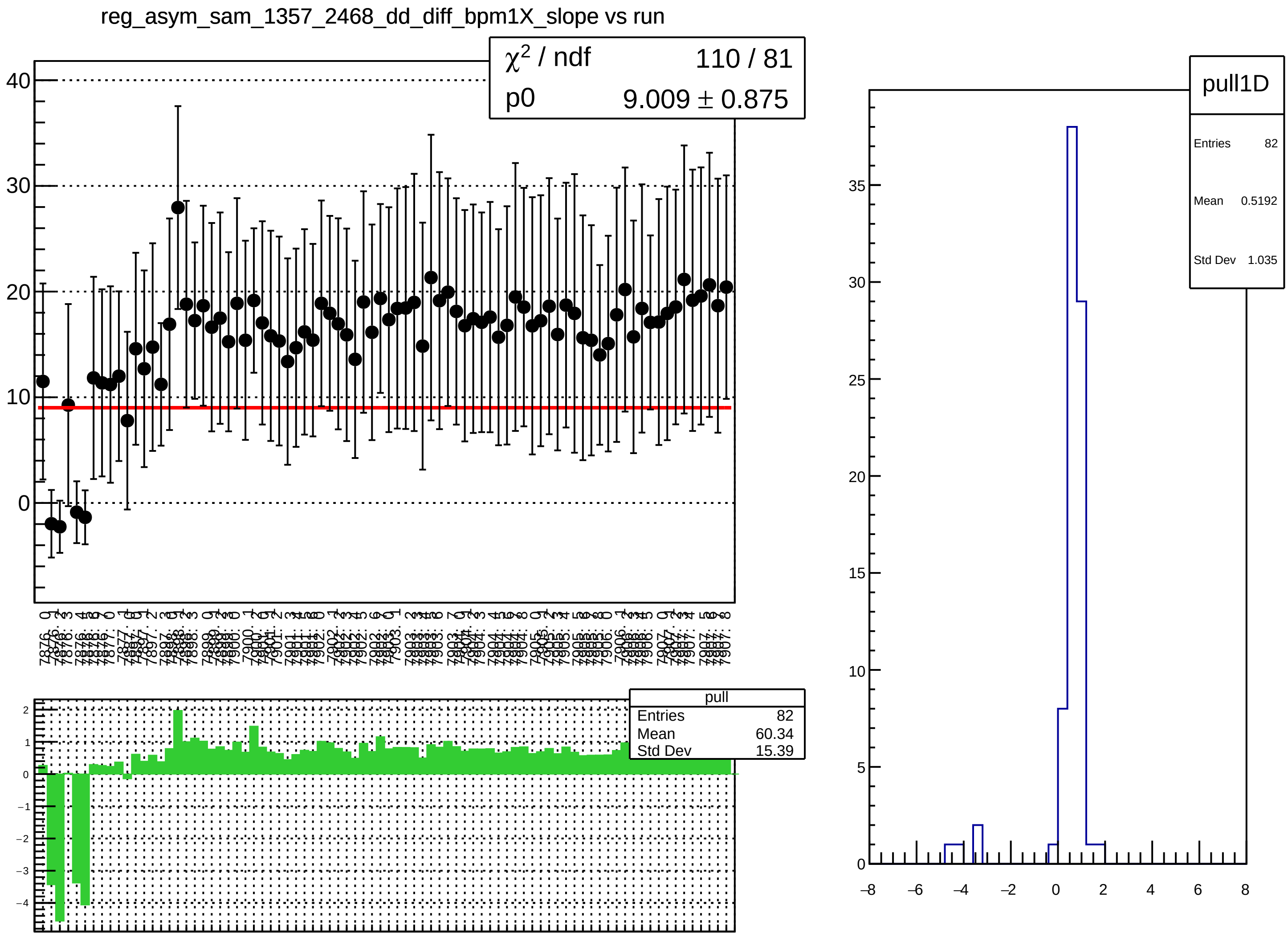

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 230.7 / 81
p0 −54.56 ± 2.668
pull
Entries 82
Mean 60.64
Std Dev 14.82
pull1D
Entries 82
Mean 0.8006
Std Dev 1.474



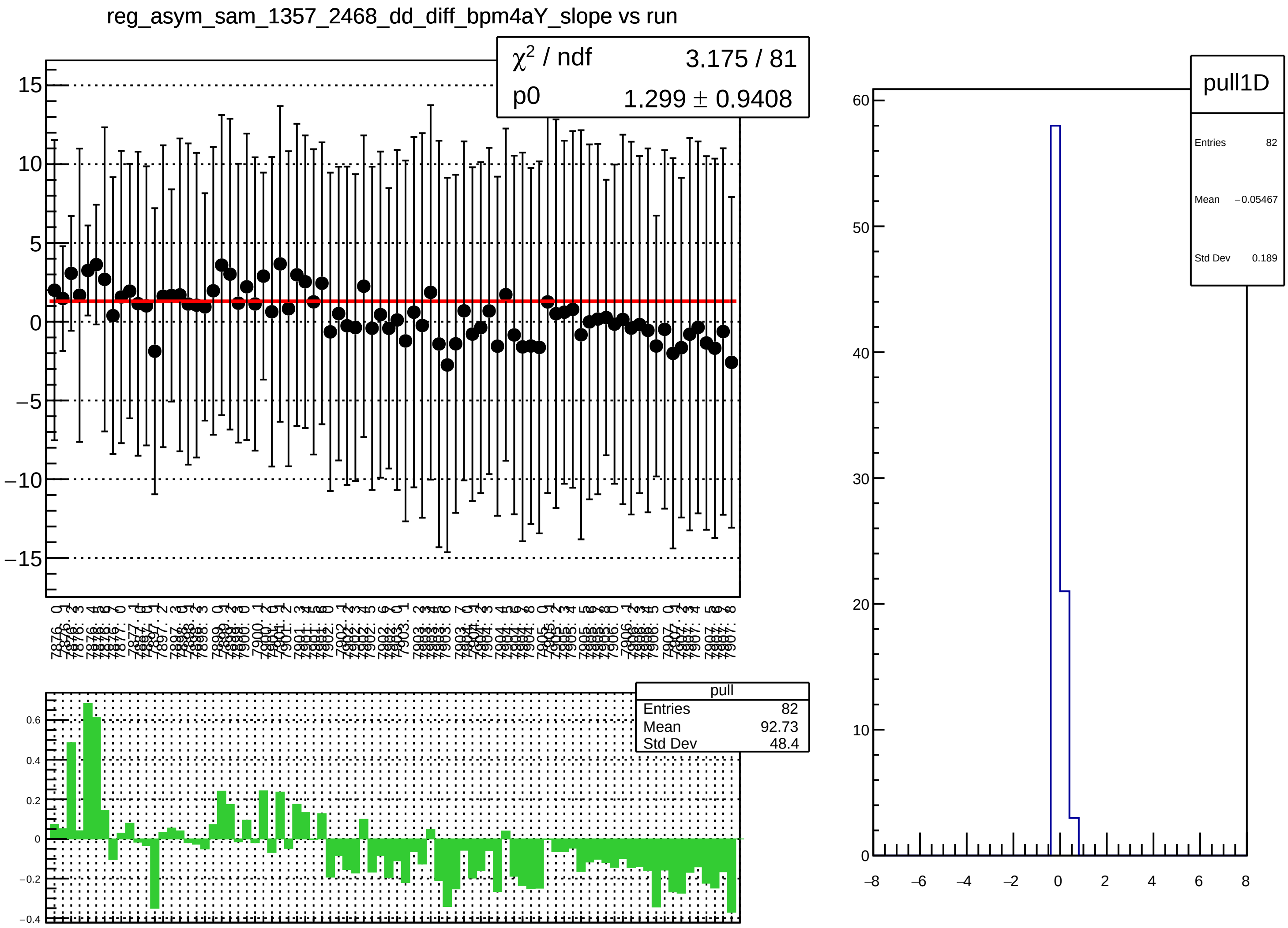
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.7 / 81
p0 25.45 ± 4.391
pull
Entries 82
Mean 89.44
Std Dev 49.57
pull1D
Entries 82
Mean −0.0943
Std Dev 0.3657

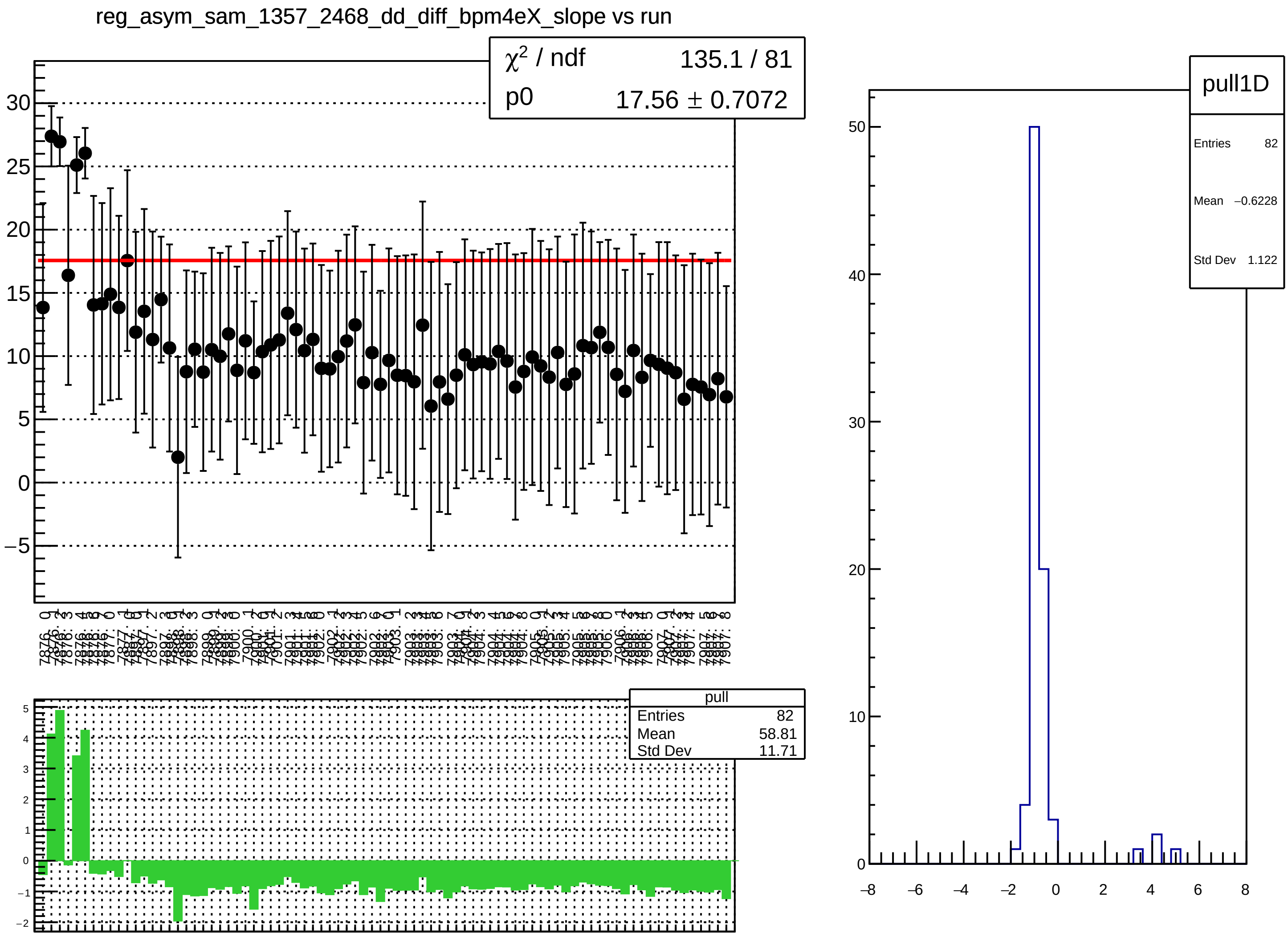


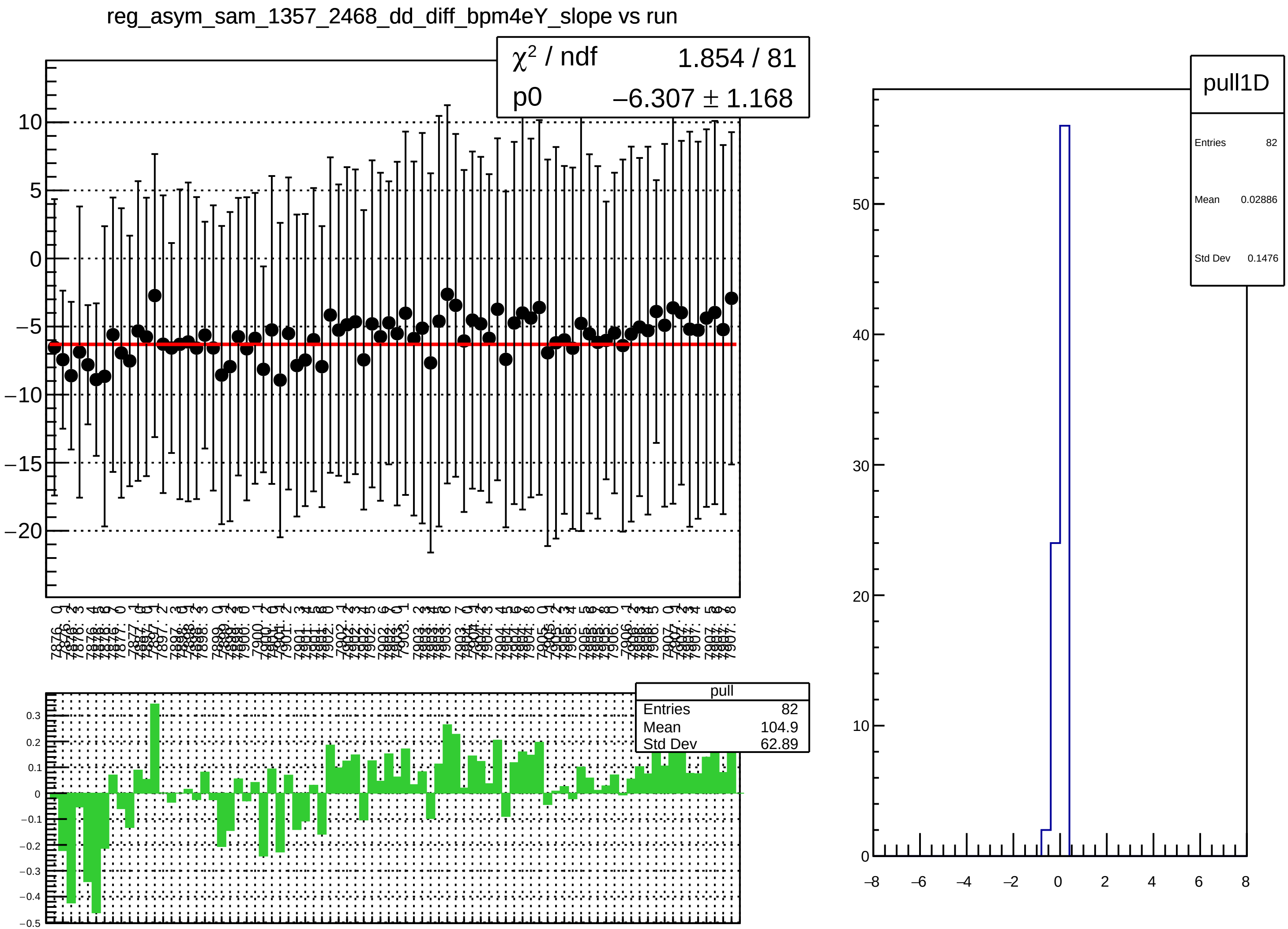
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ2 / ndf 12.28 / 81
p0 −1.392 ± 0.1471
pull
Entries 82
Mean 268.8
Std Dev 231.7
pull1D
Entries 82
Mean −0.02244
Std Dev 0.3863

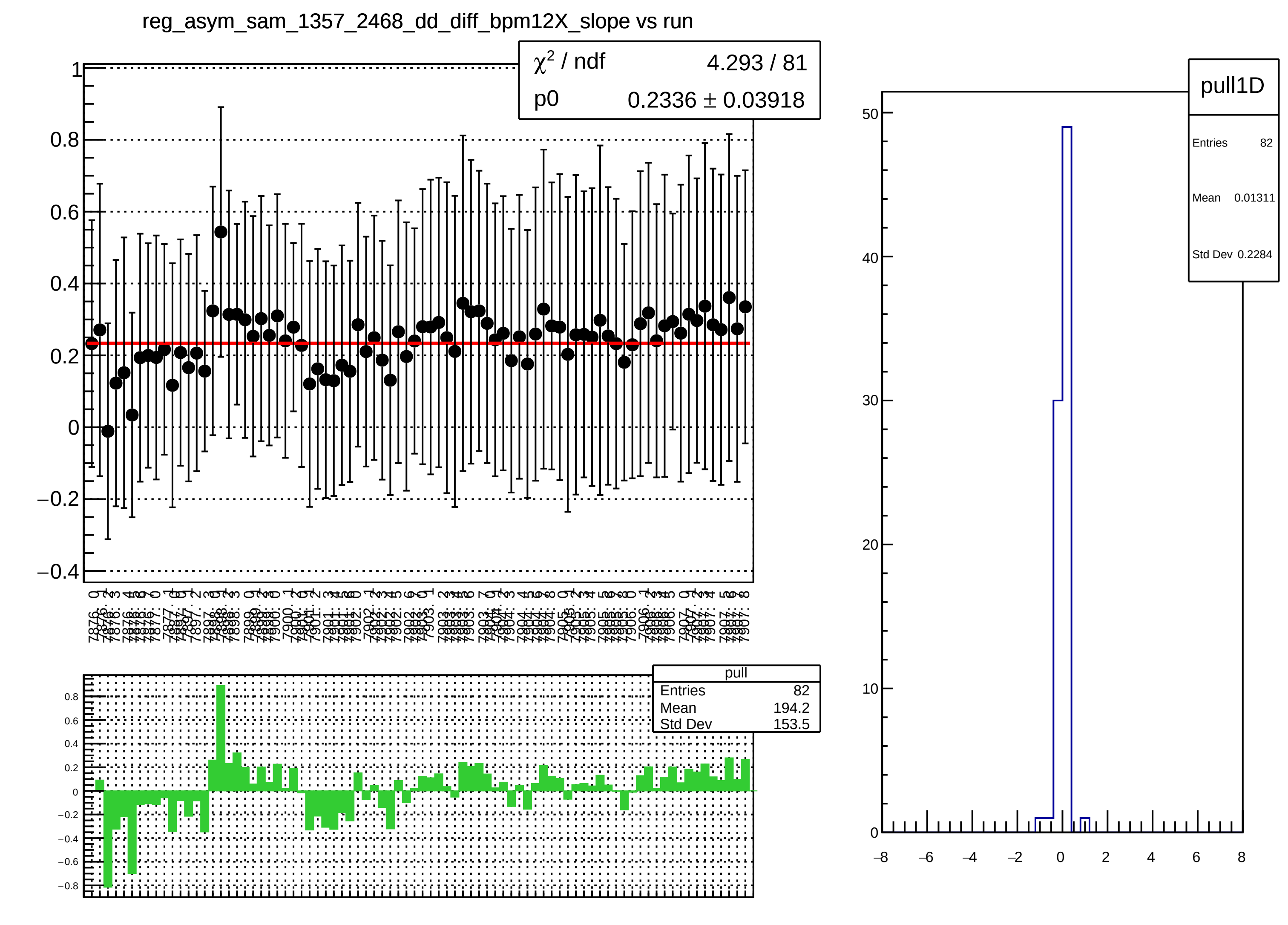


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ2 / ndf 110 / 81
p0 9.009 ± 0.875
pull
Entries 82
Mean 60.34
Std Dev 15.39
pull1D
Entries 82
Mean 0.5192
Std Dev 1.035

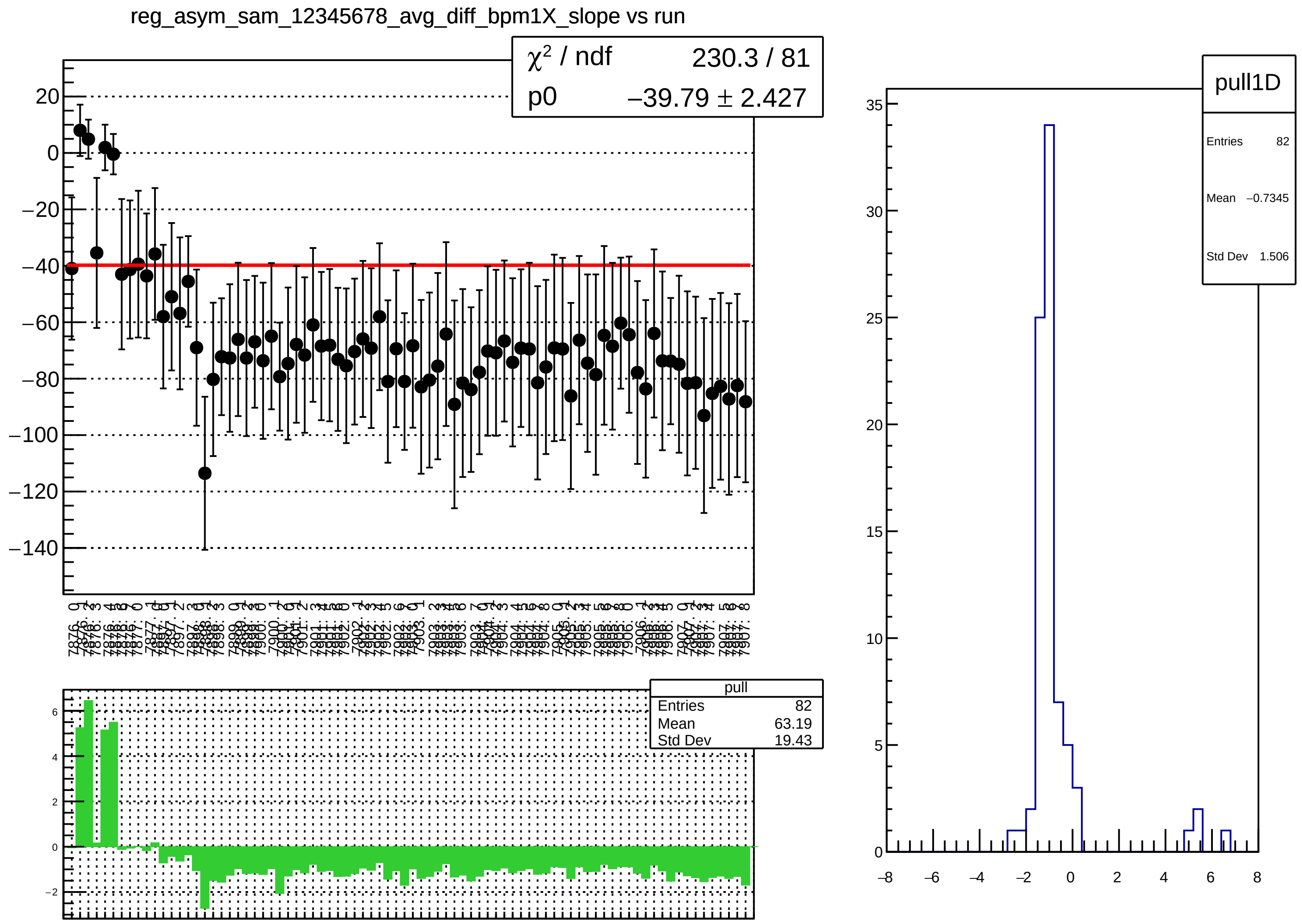

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.175 / 81
p0 1.299 ± 0.9408
pull
Entries 82
Mean 92.73
Std Dev 48.4
pull1D
Entries 82
Mean −0.05467
Std Dev 0.189

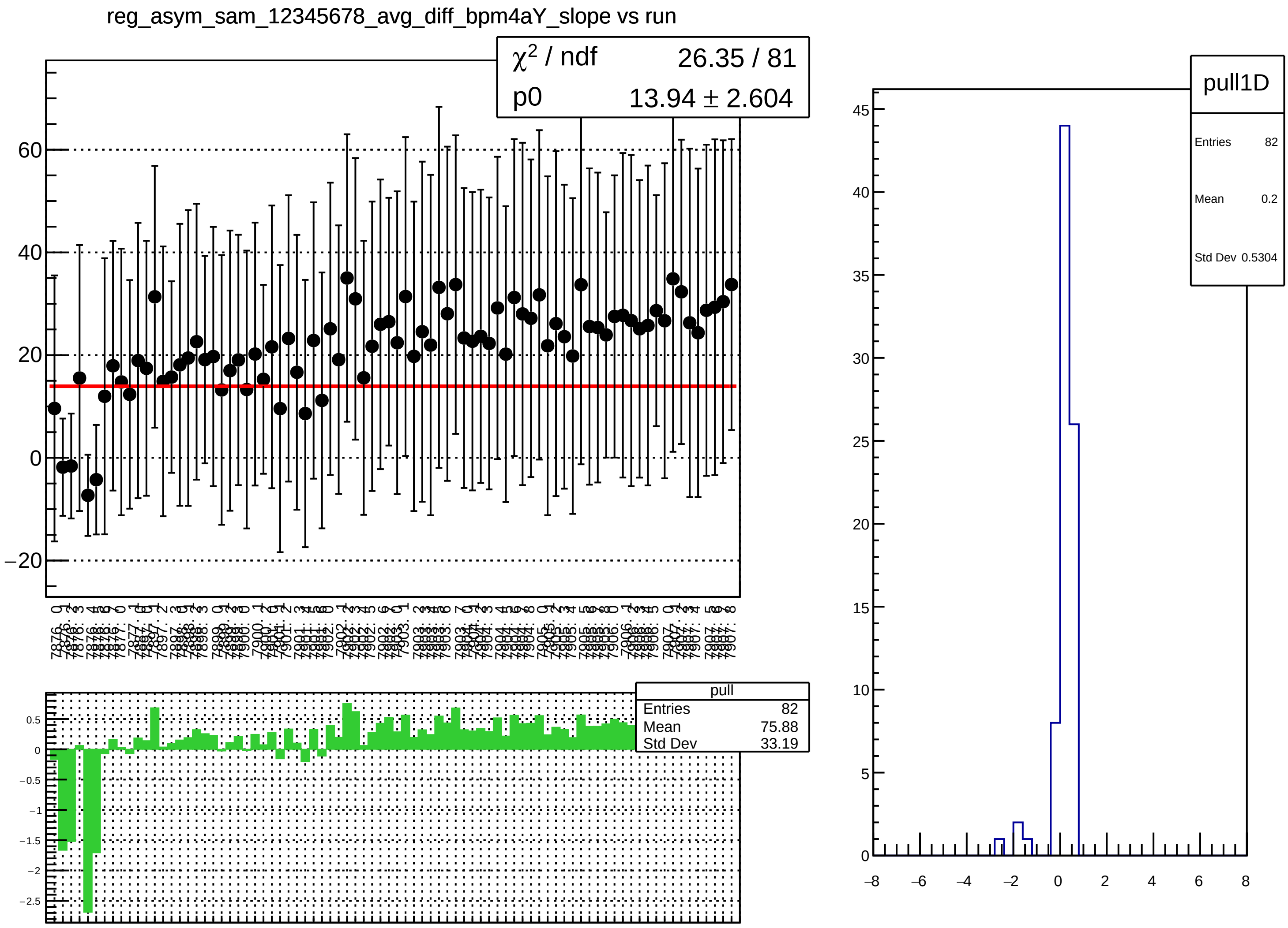

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ2 / ndf 135.1 / 81
p0 17.56 ± 0.7072
pull
Entries 82
Mean 58.81
Std Dev 11.71
pull1D
Entries 82
Mean −0.6228
Std Dev 1.122


reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / 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

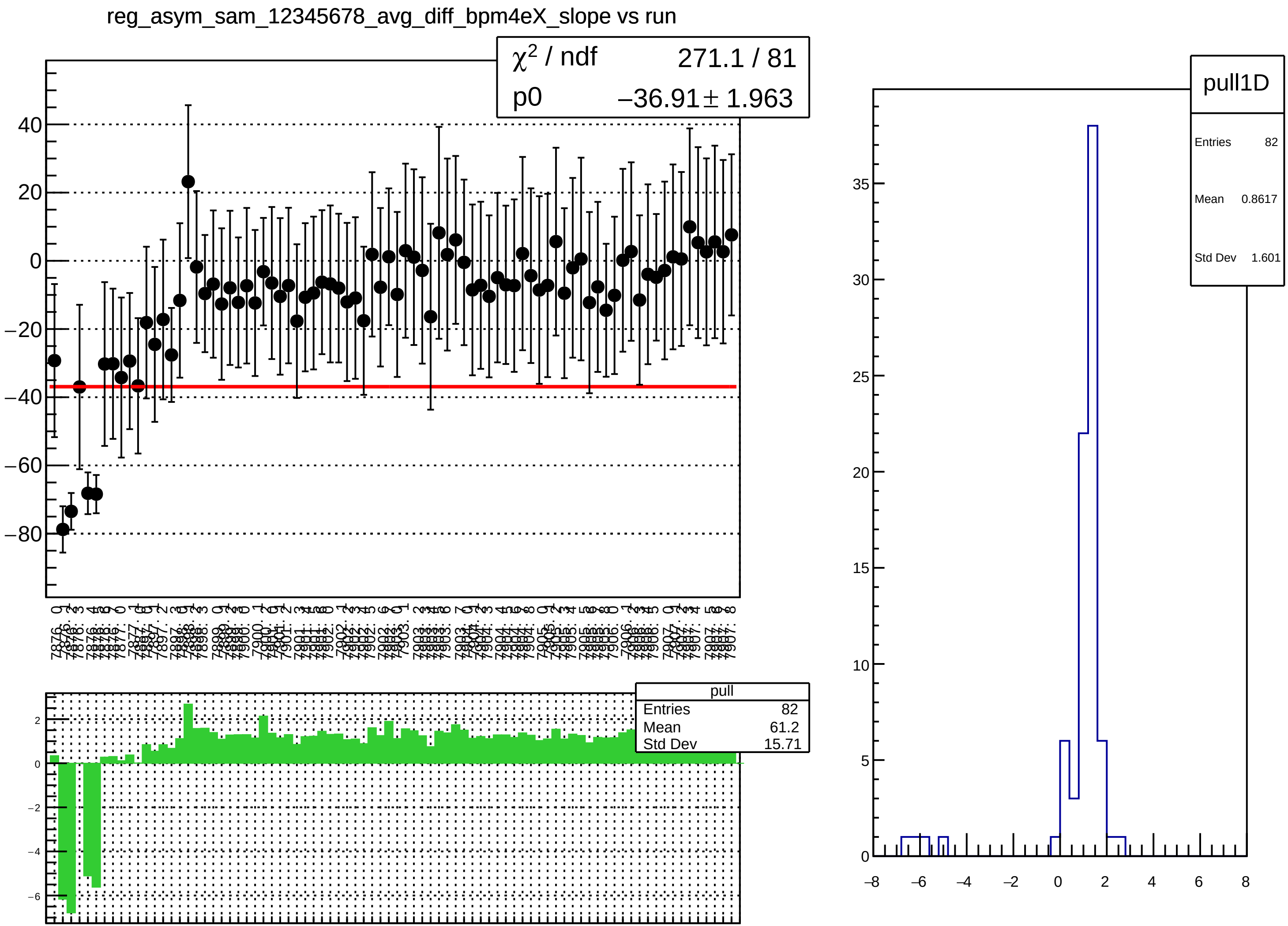


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.293 / 81
p0 0.2336 ± 0.03918
pull
Entries 82
Mean 194.2
Std Dev 153.5
pull1D
Entries 82
Mean 0.01311
Std Dev 0.2284

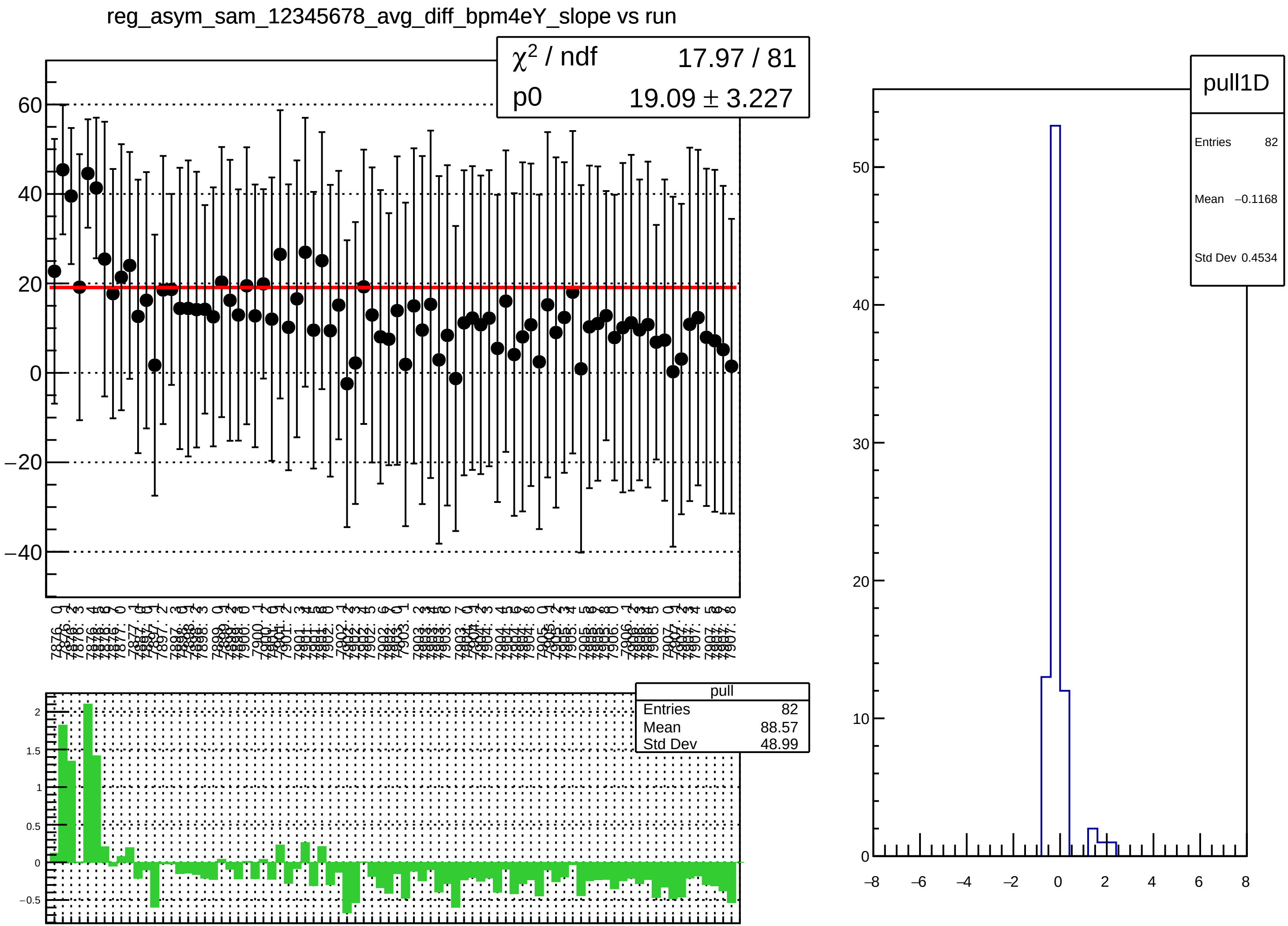

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 230.3 / 81
p0 −39.79 ± 2.427
pull
Entries 82
Mean 63.19
Std Dev 19.43
pull1D
Entries 82
Mean −0.7345
Std Dev 1.506



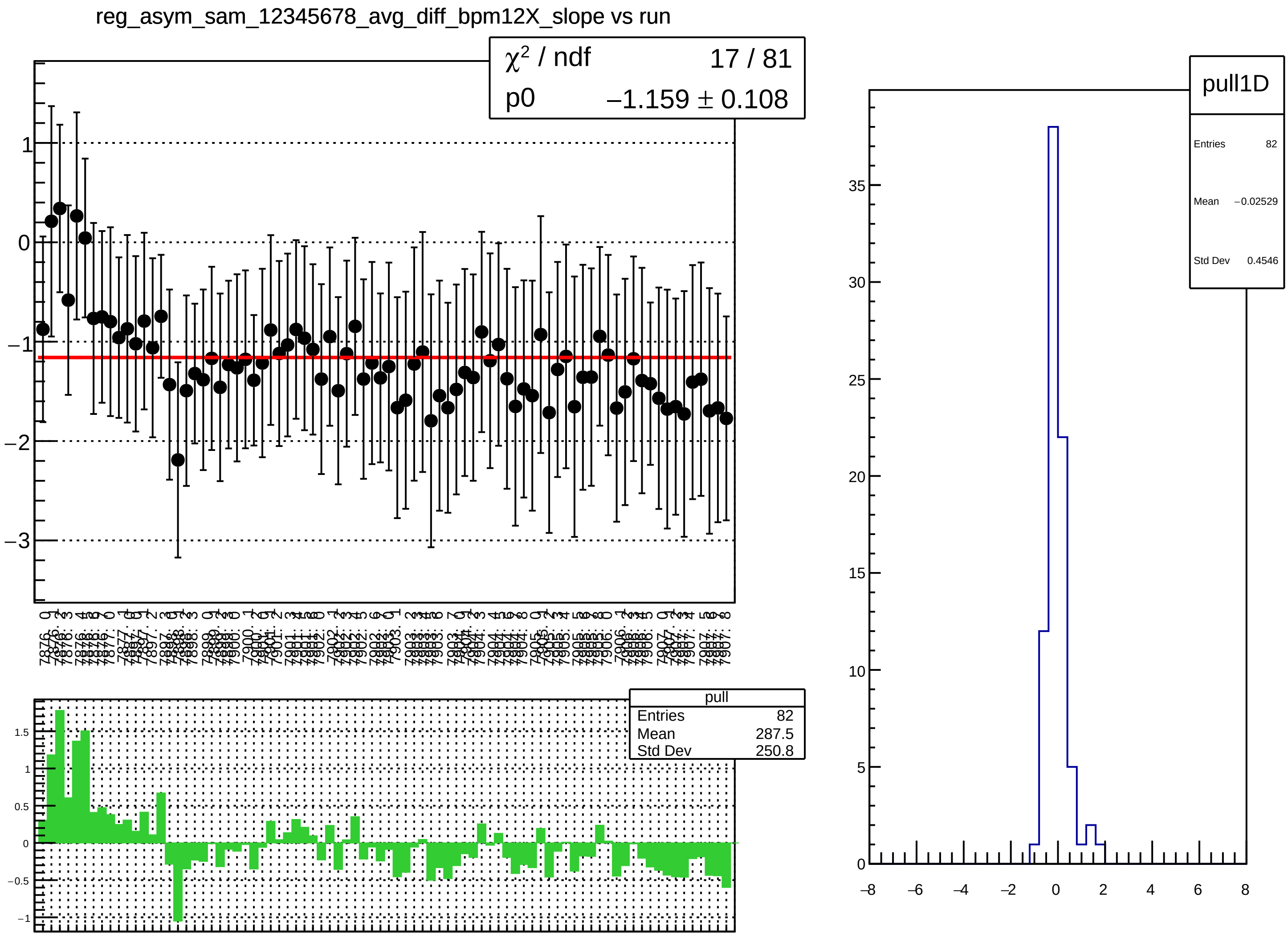
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 26.35 / 81
p0 13.94 ± 2.604
pull
Entries 82
Mean 75.88
Std Dev 33.19
pull1D
Entries 82
Mean 0.2
Std Dev 0.5304



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

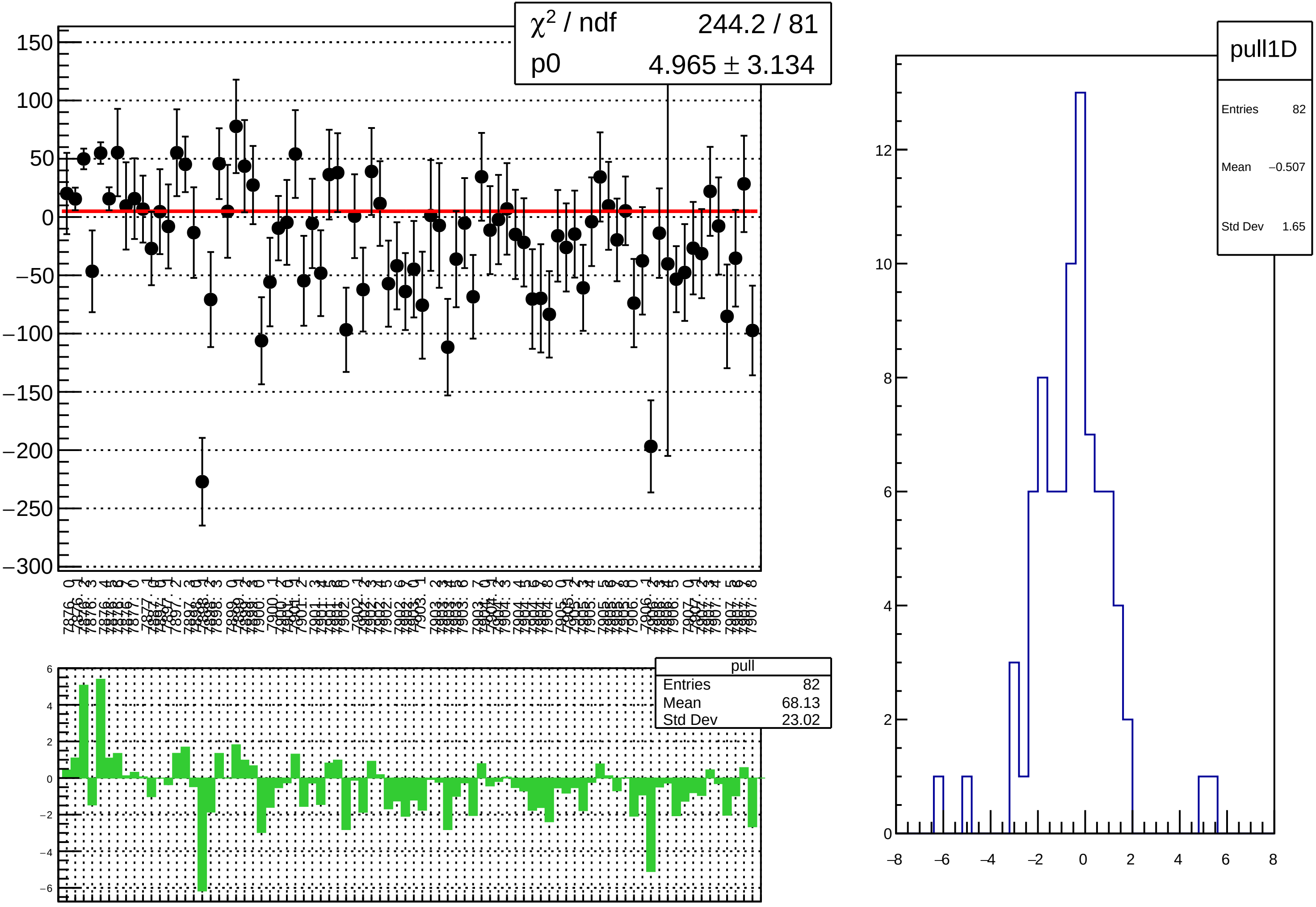


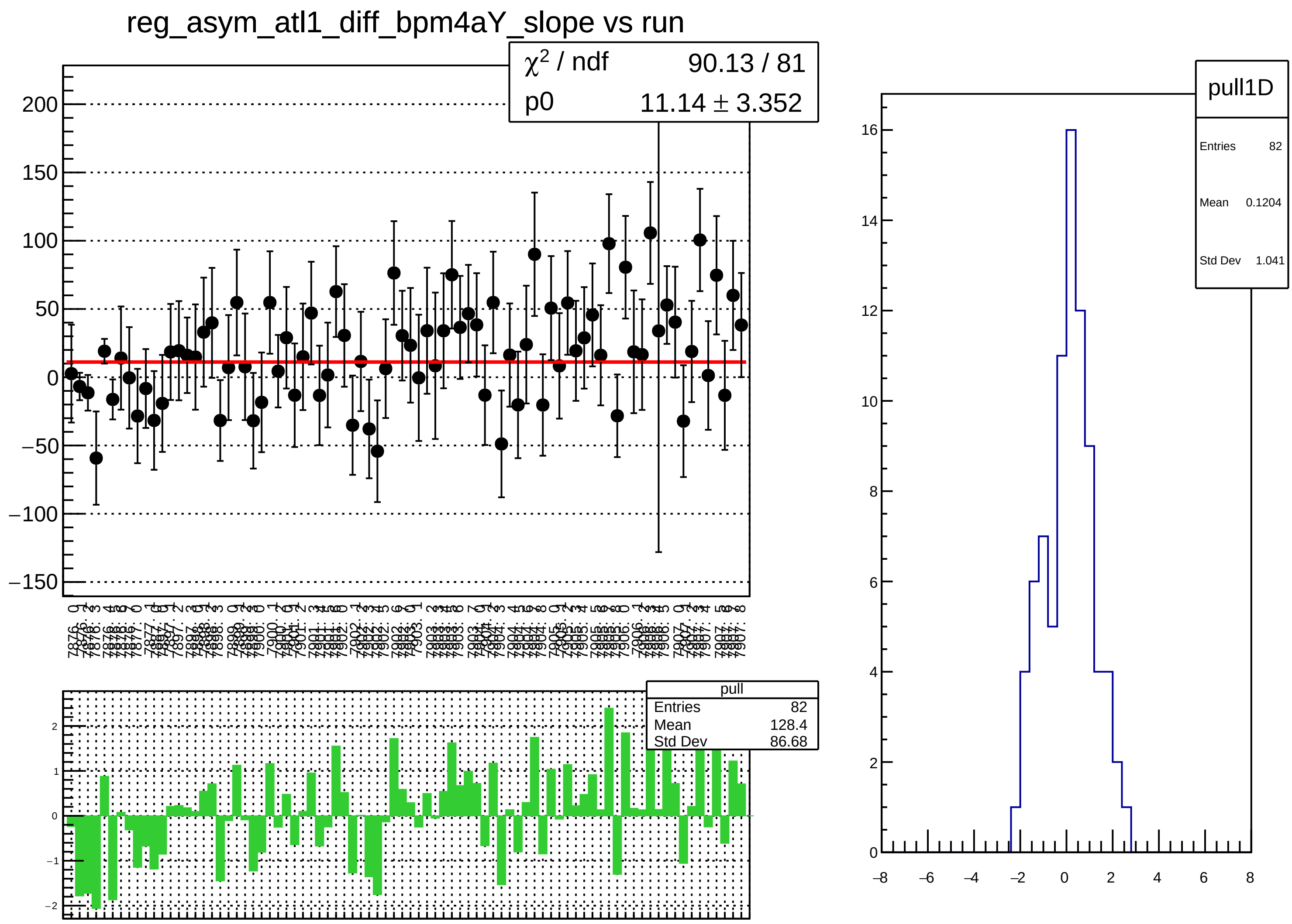
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 17.97 / 81
p0 19.09 ± 3.227
pull
Entries 82
Mean 88.57
Std Dev 48.99
pull1D
Entries 82
Mean −0.1168
Std Dev 0.4534



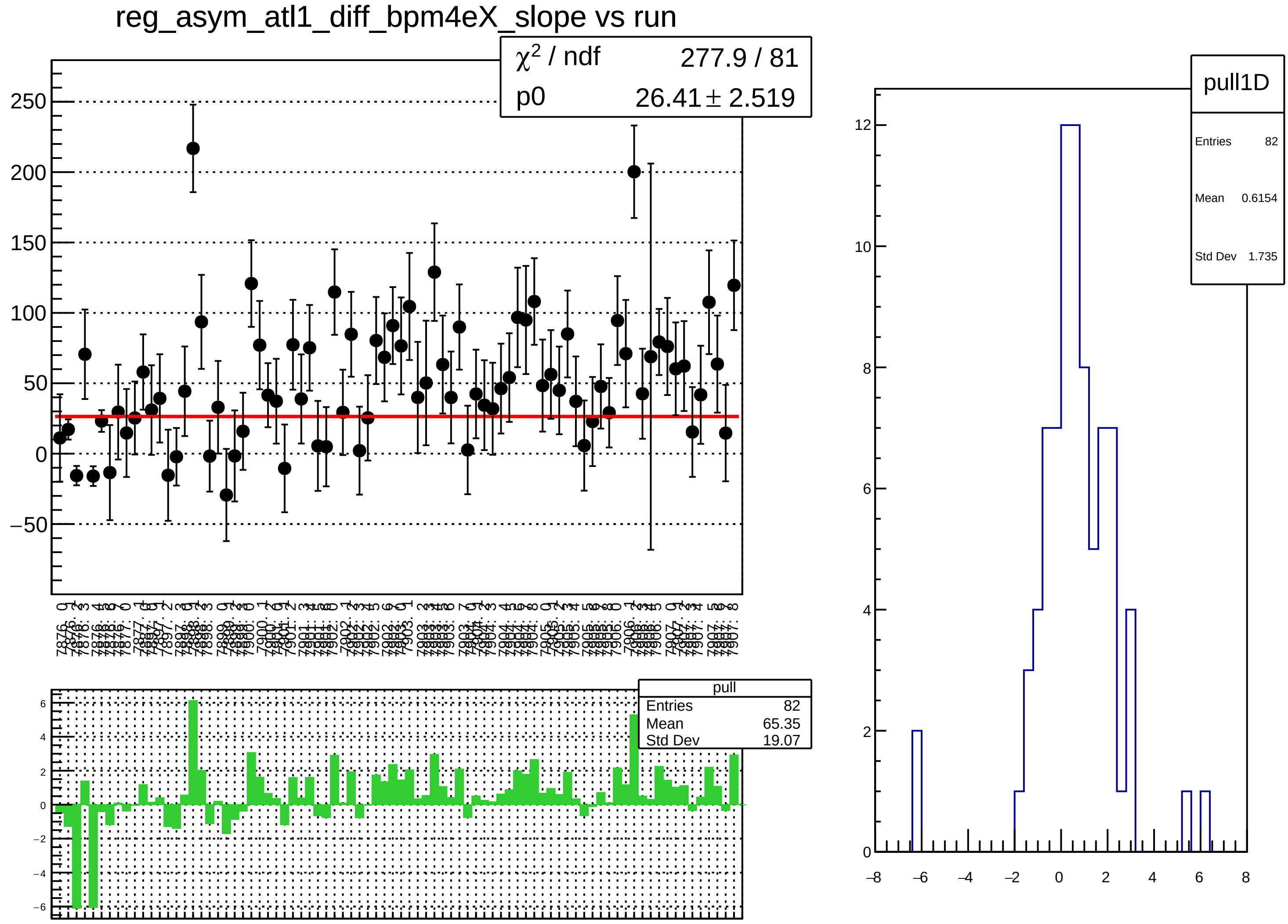
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 17 / 81
p0 −1.159 ± 0.108
pull
Entries 82
Mean 287.5
Std Dev 250.8
pull1D
Entries 82
Mean −0.02529
Std Dev 0.4546

reg_asym_atl1_diff_bpm1X_slope vs run

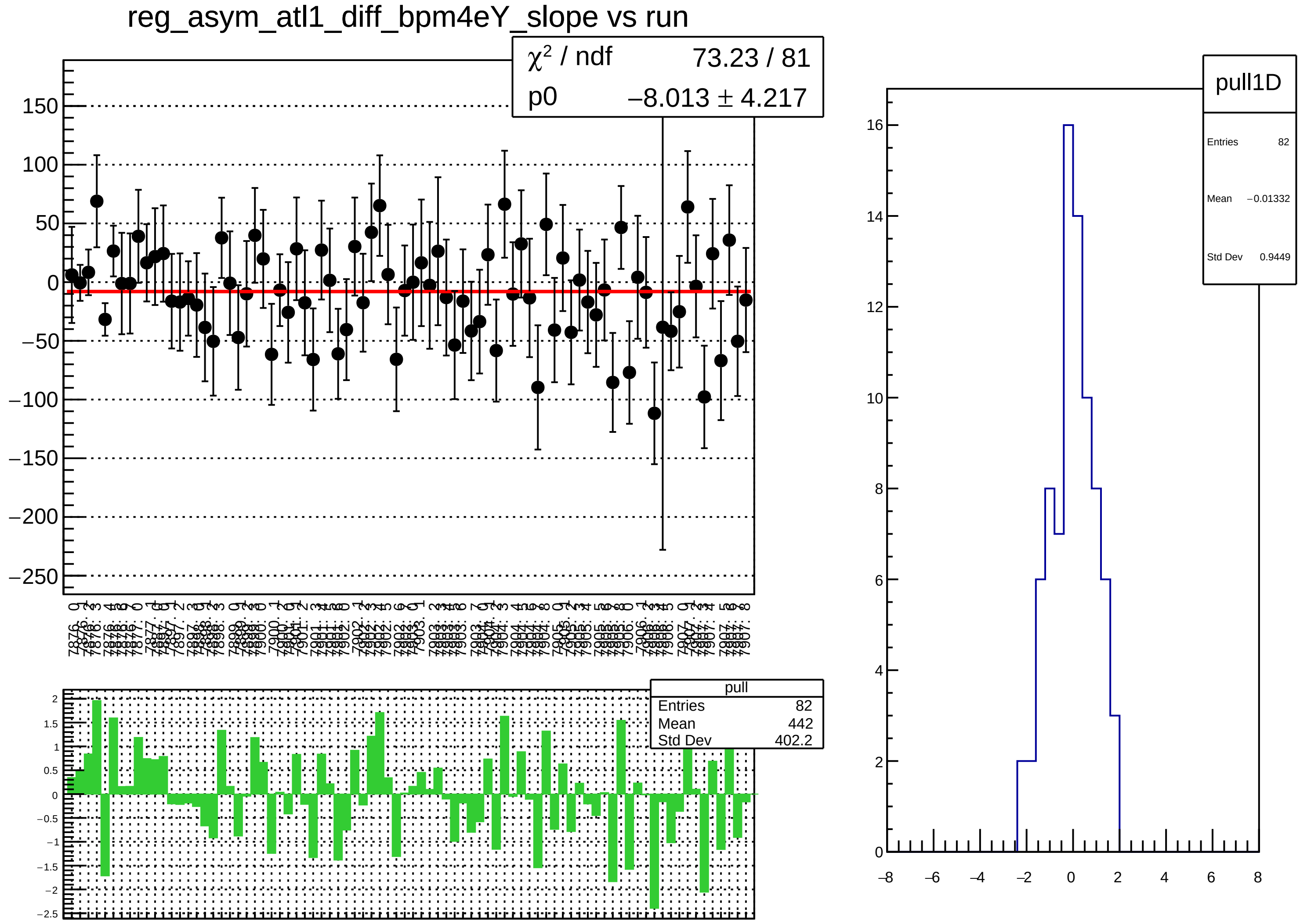




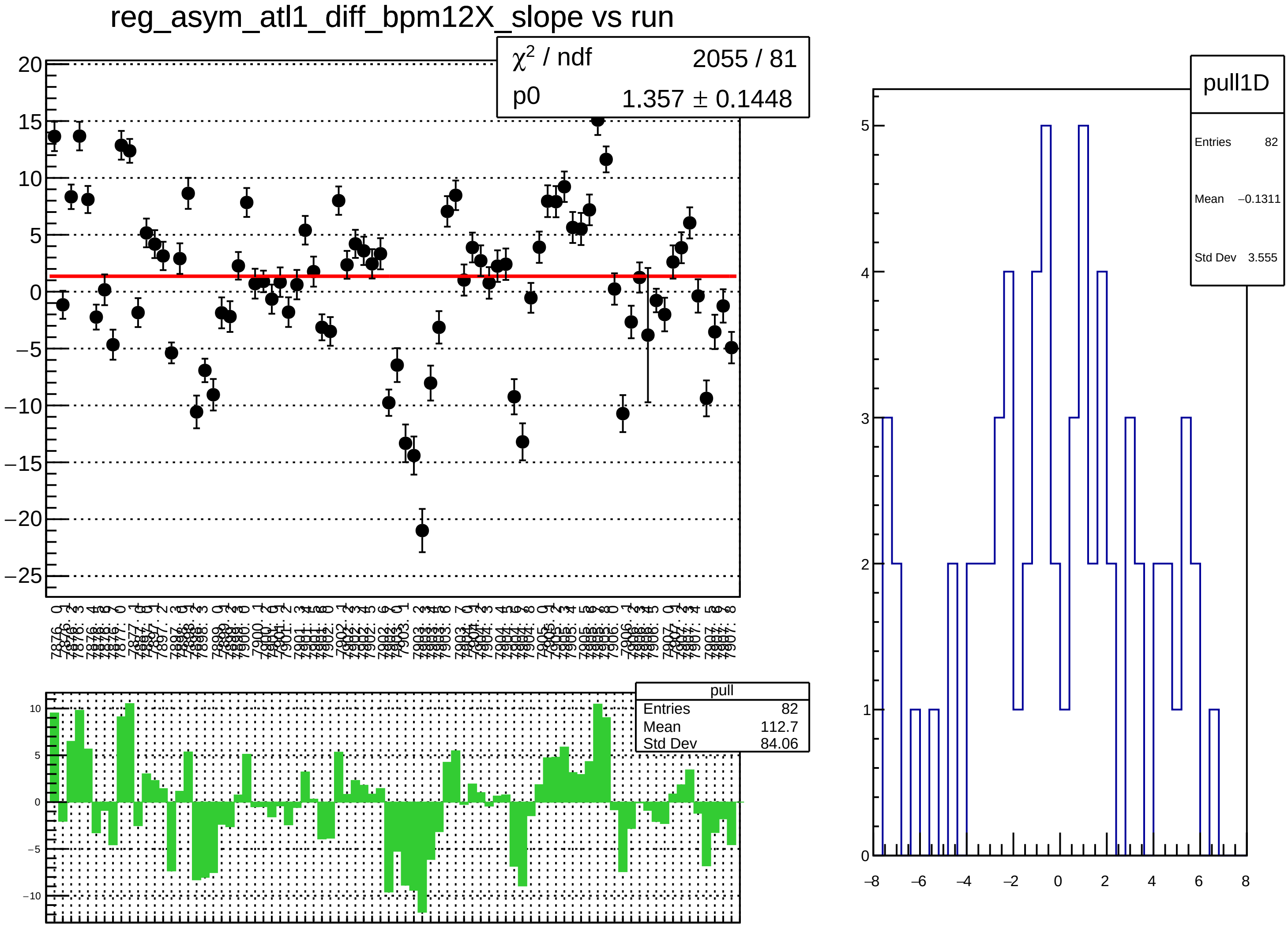
reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 90.13 / 81
p0 11.14 ± 3.352
pull
Entries 82
Mean 128.4
Std Dev 86.68
pull1D
Entries 82
Mean 0.1204
Std Dev 1.041



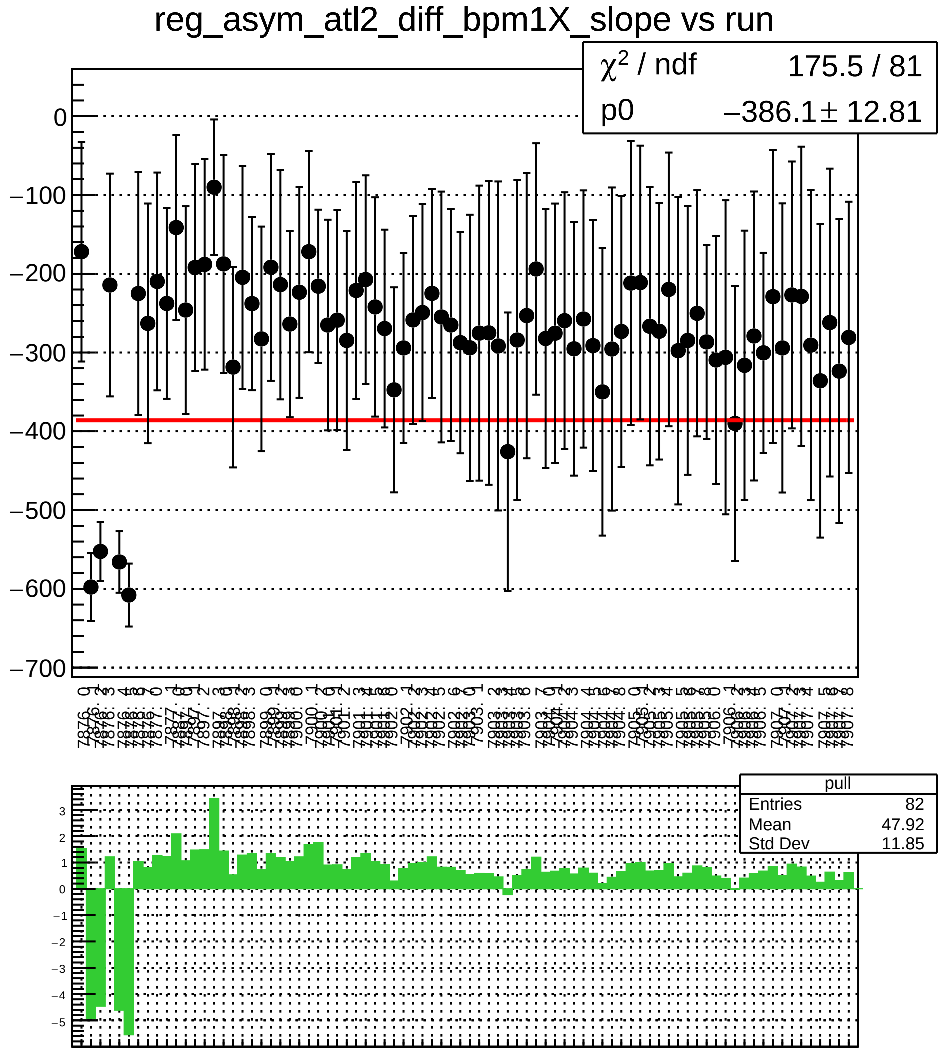
reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 277.9 / 81
p0 26.41 ± 2.519
pull
Entries 82
Mean 65.35
Std Dev 19.07
pull1D
Entries 82
Mean 0.6154
Std Dev 1.735



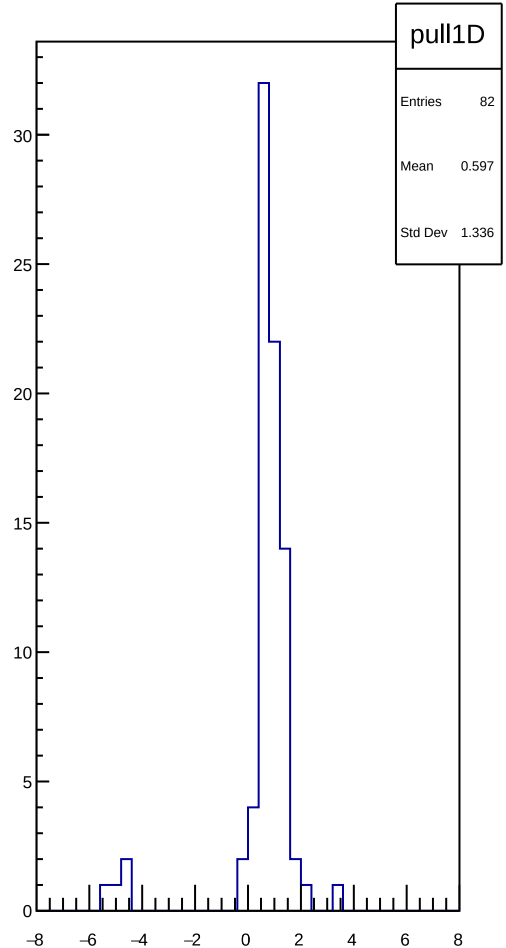
reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 73.23 / 81
p0 −8.013 ± 4.217
pull
Entries 82
Mean 442
Std Dev 402.2
pull1D
Entries 82
Mean −0.01332
Std Dev 0.9449



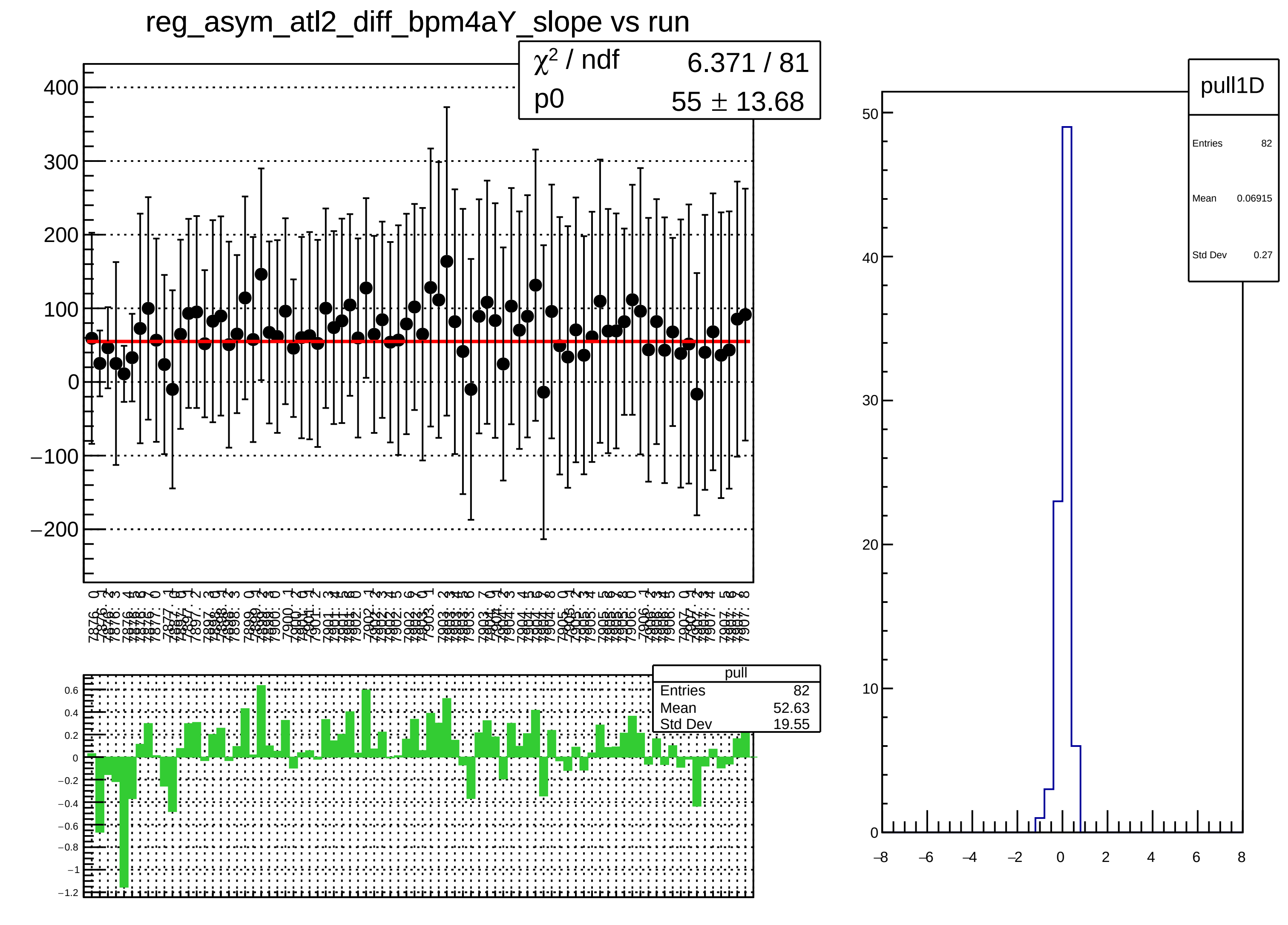
reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 2055 / 81
p0 1.357 ± 0.1448
pull
Entries 82
Mean 112.7
Std Dev 84.06
pull1D
Entries 82
Mean −0.1311
Std Dev 3.555

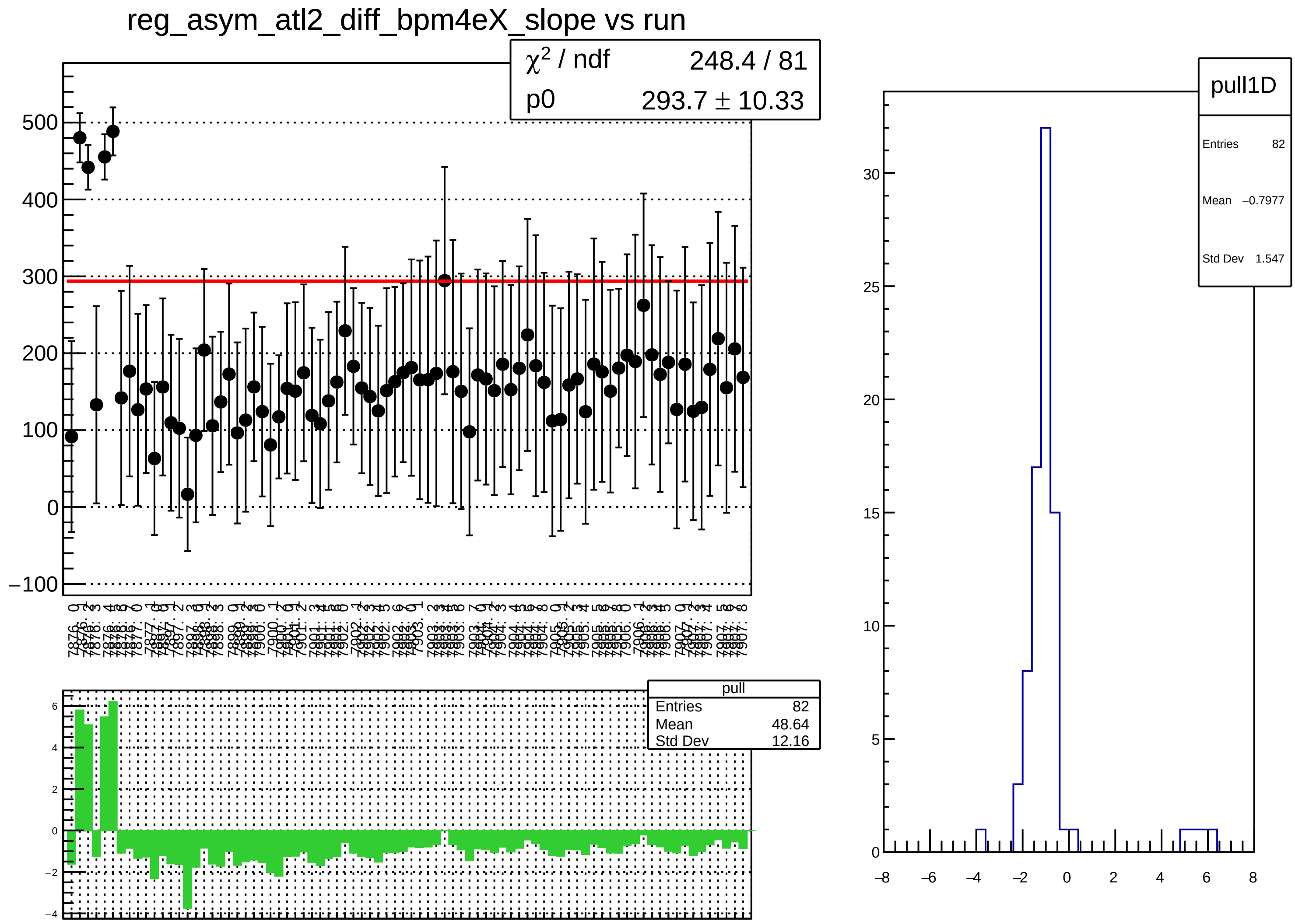


reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 175.5 / 81
p0 −386.1 ± 12.81
pull
Entries 82
Mean 47.92
Std Dev 11.85

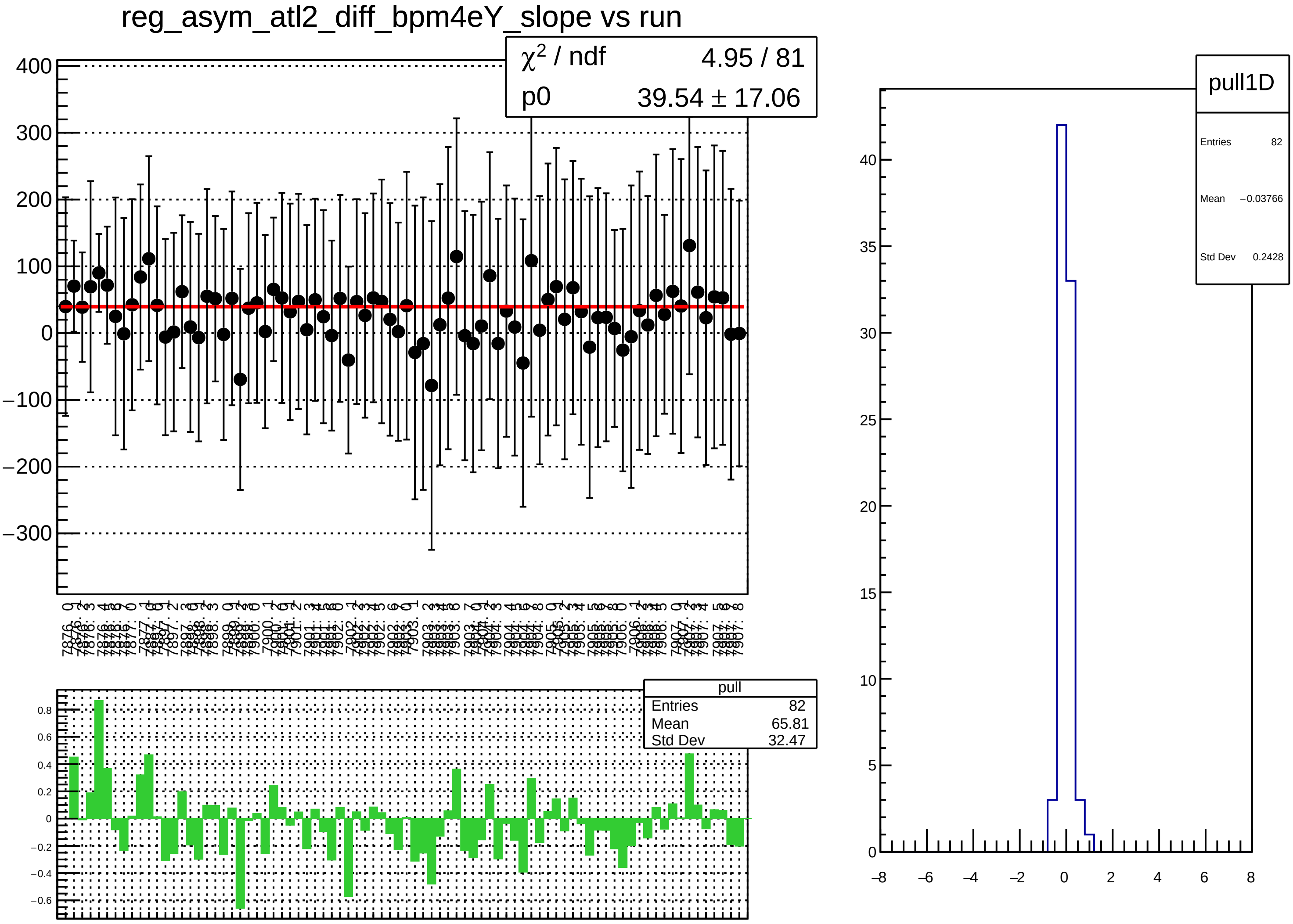


pull1D
Entries 82
Mean 0.597
Std Dev 1.336

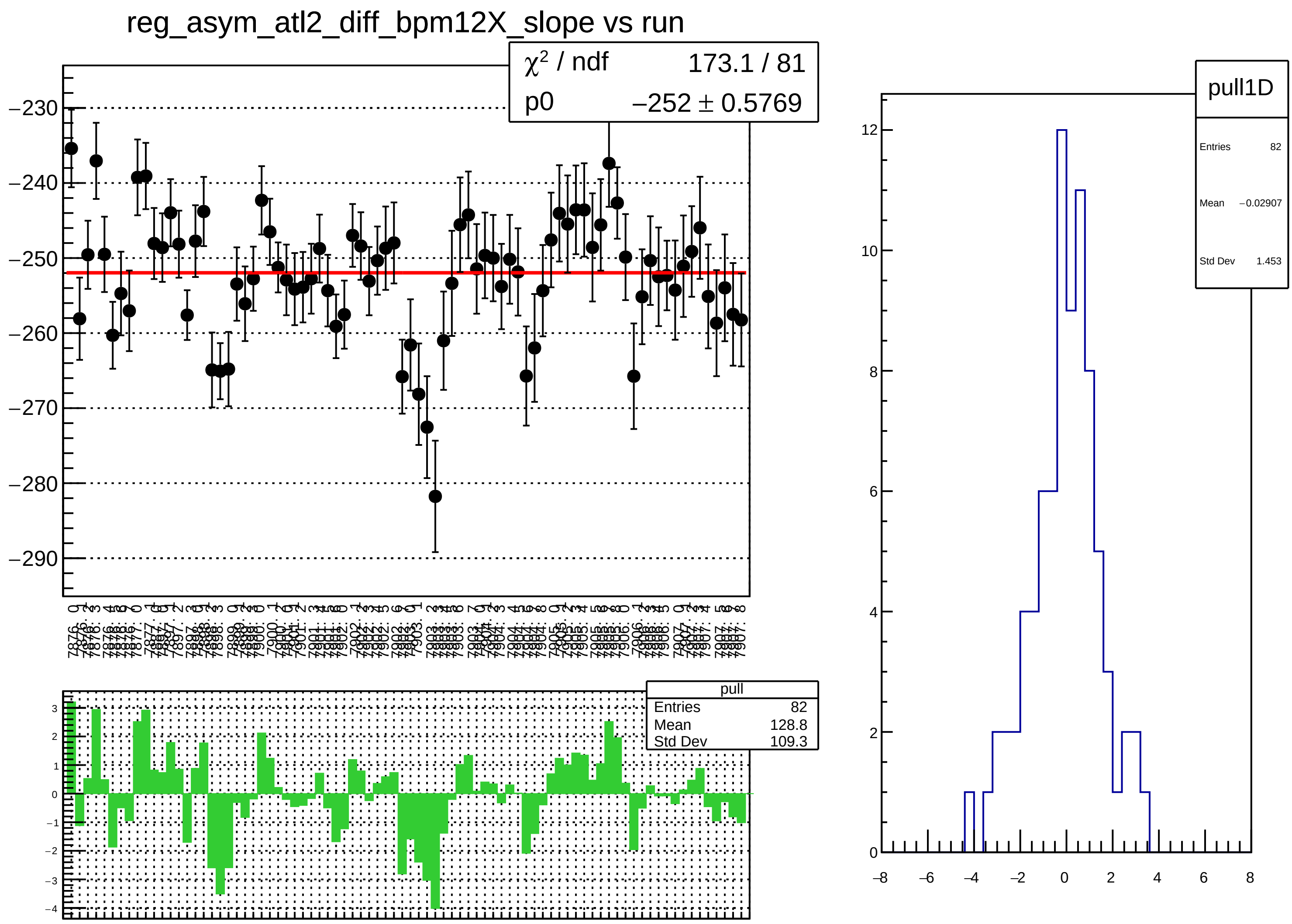

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 6.371 / 81
p0 55 ± 13.68
pull
Entries 82
Mean 52.63
Std Dev 19.55
pull1D
Entries 82
Mean 0.06915
Std Dev 0.27



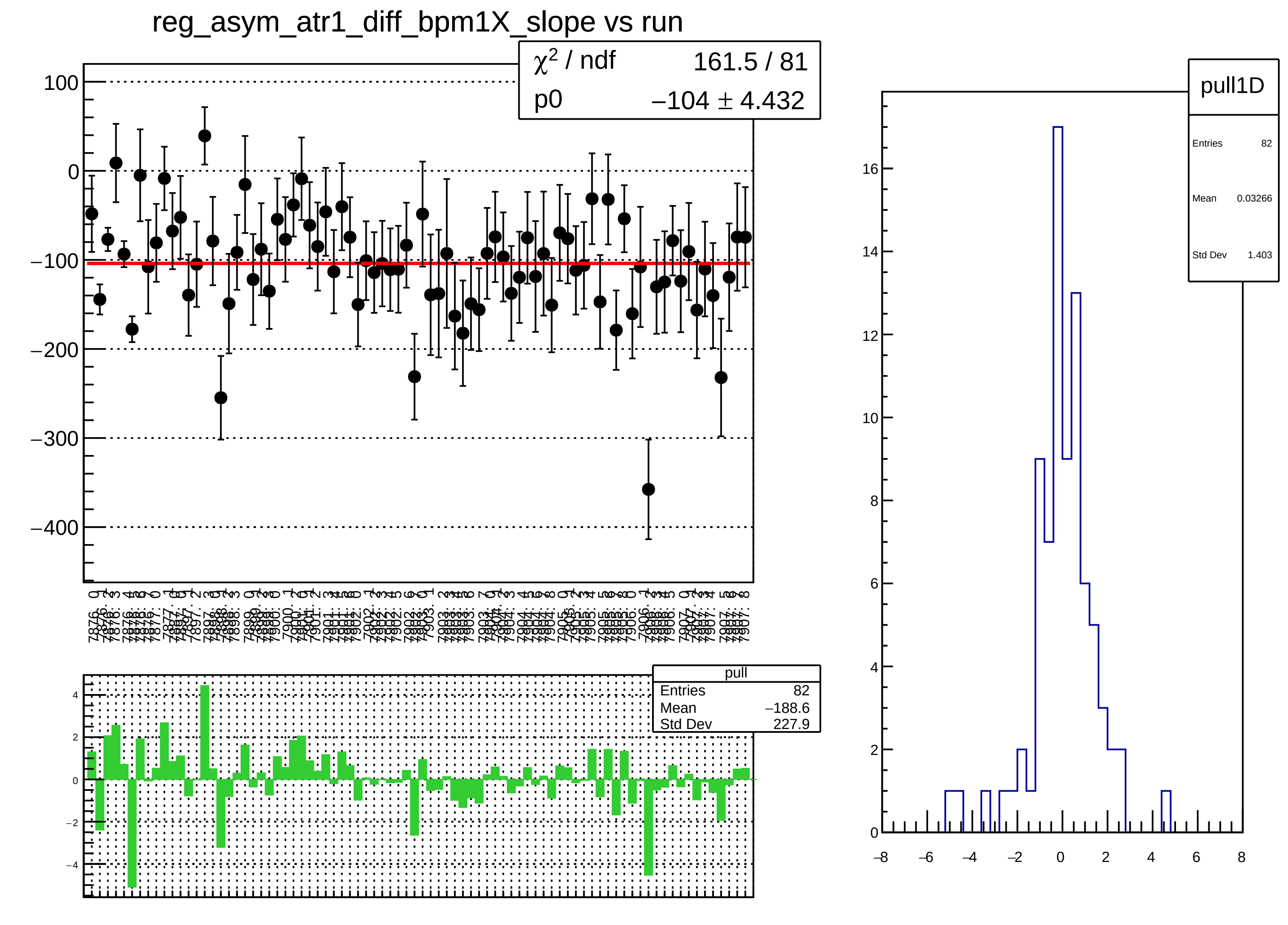
reg_asym_atl2_diff_bpm4eX_slope vs run
χ2 / ndf 248.4 / 81
p0 293.7 ± 10.33
pull
Entries 82
Mean 48.64
Std Dev 12.16
pull1D
Entries 82
Mean −0.7977
Std Dev 1.547



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

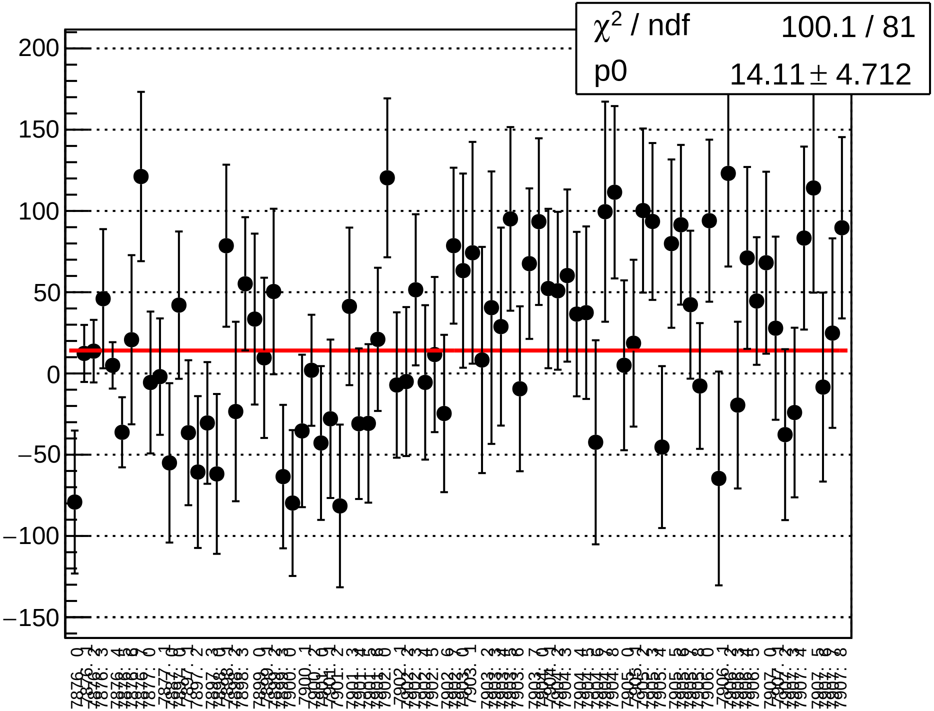


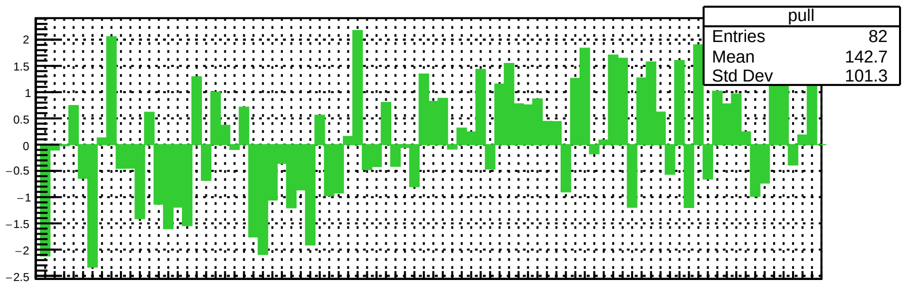
reg_asym_atl2_diff_bpm12X_slope vs run
χ2 / ndf 173.1 / 81
p0 −252 ± 0.5769
pull
Entries 82
Mean 128.8
Std Dev 109.3
pull1D
Entries 82
Mean −0.02907
Std Dev 1.453

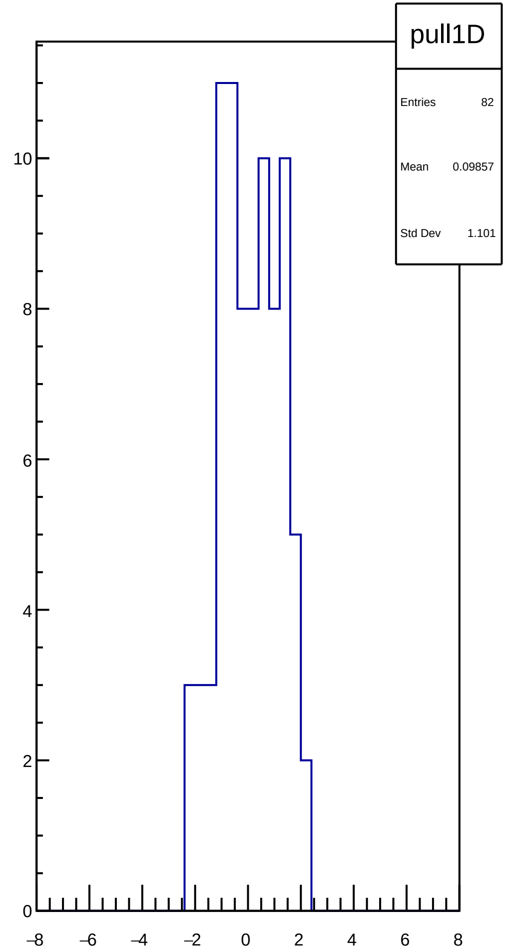


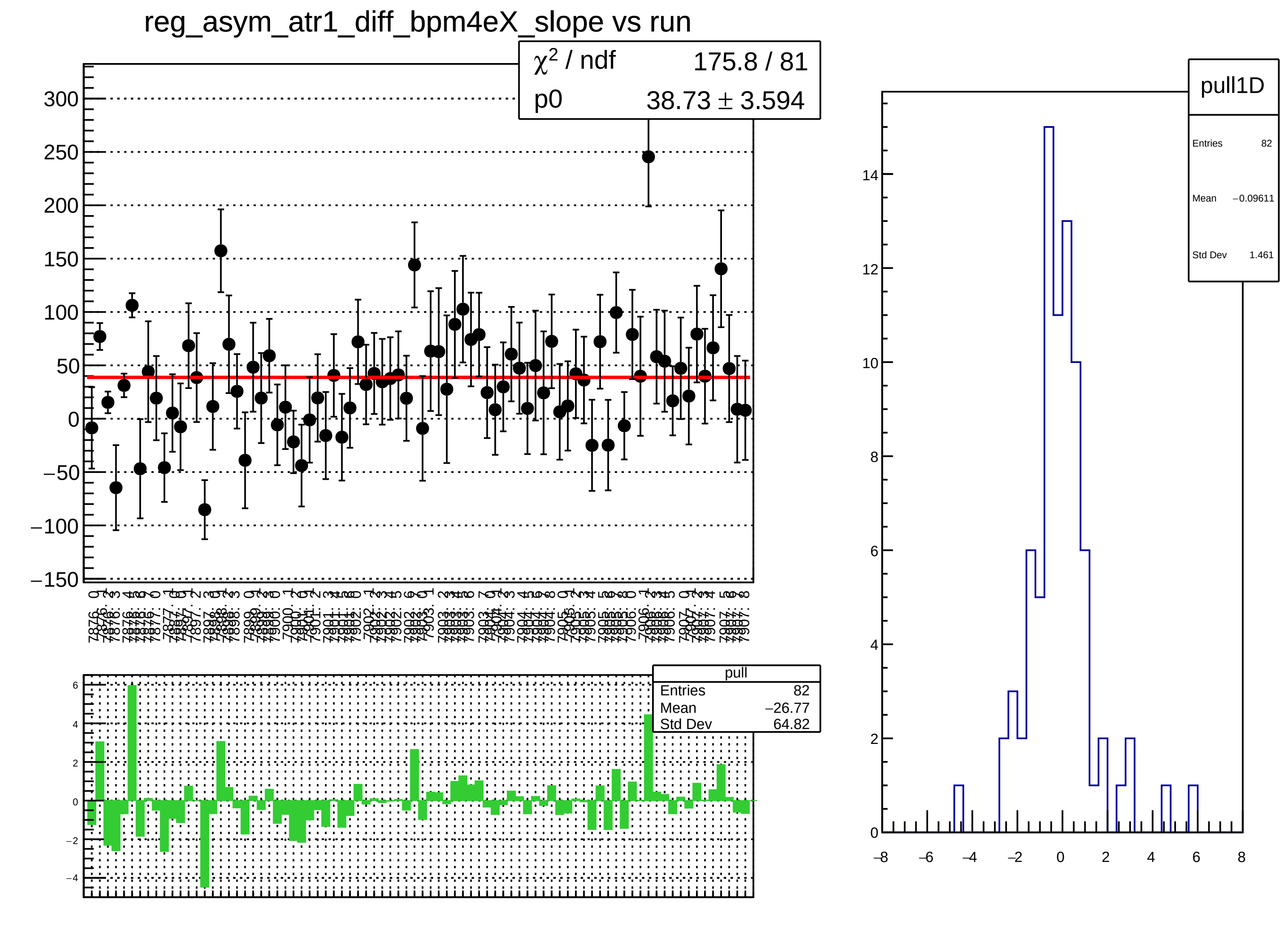
reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 161.5 / 81
p0 −104 ± 4.432
100
0
−100
−200
−300
−400
pull
Entries 82
Mean −188.6
Std Dev 227.9
4
2
0
−2
−4
pull1D
Entries 82
Mean 0.03266
Std Dev 1.403
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

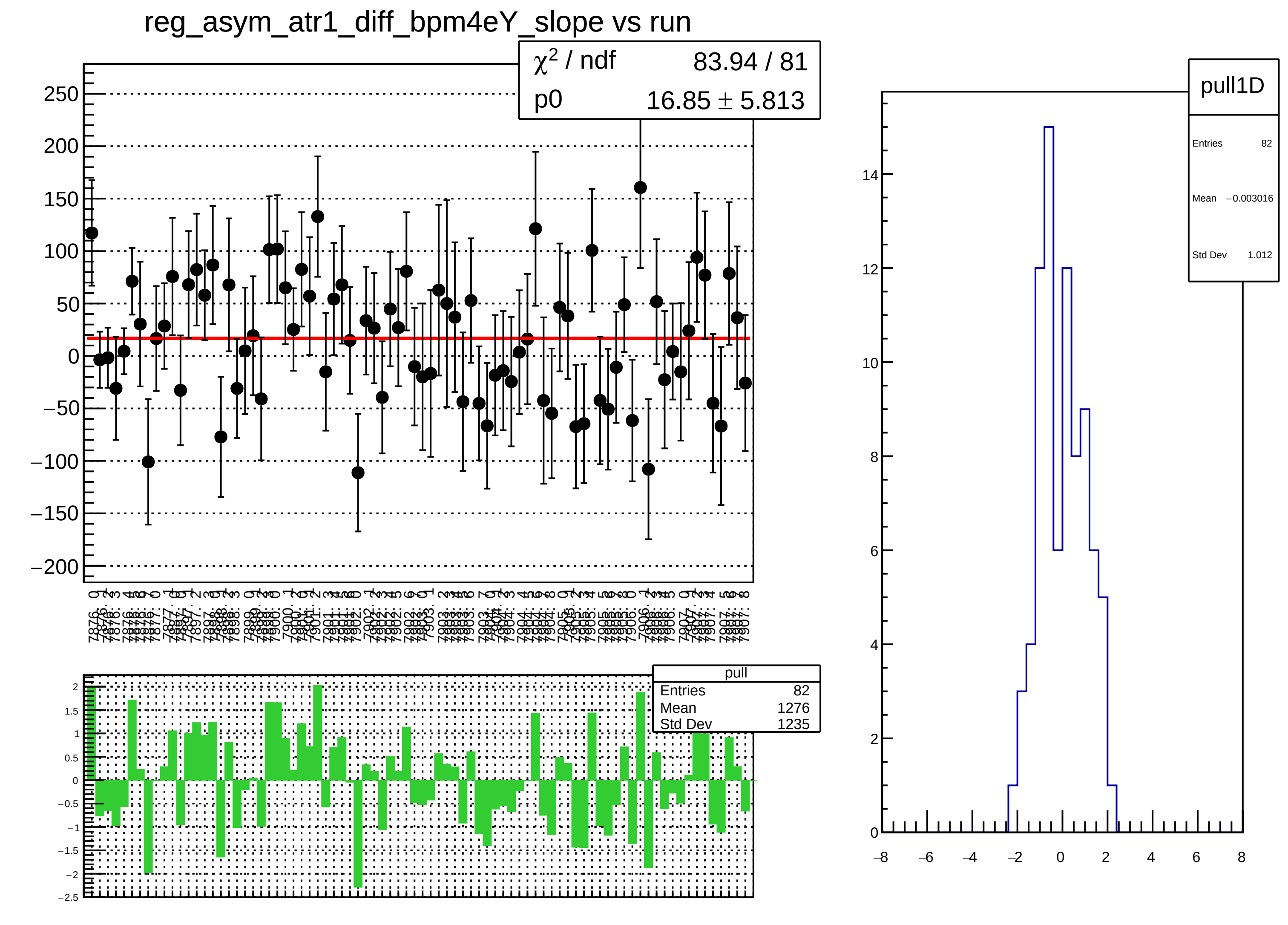
reg_asym_atr1_diff_bpm4aY_slope vs run

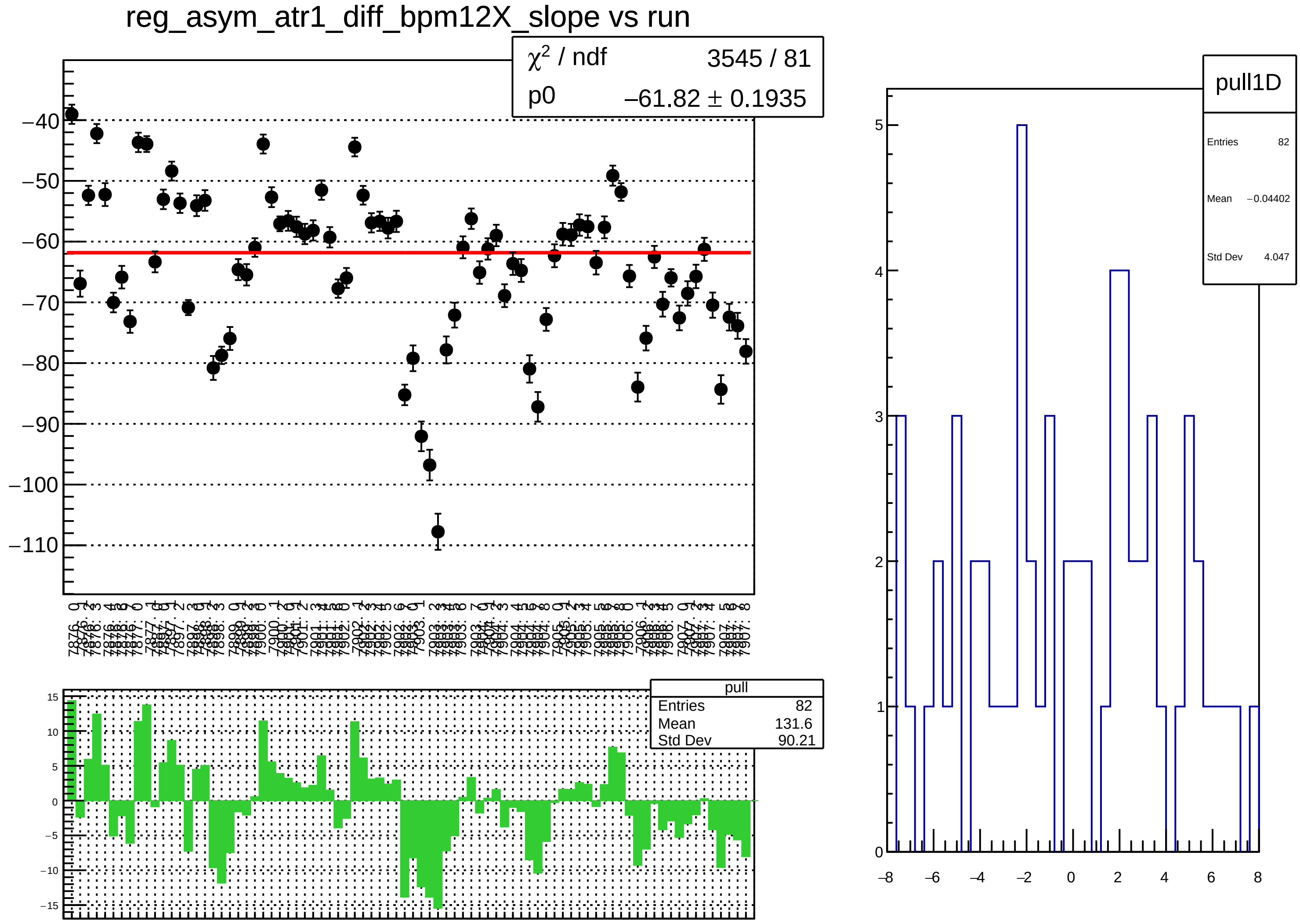




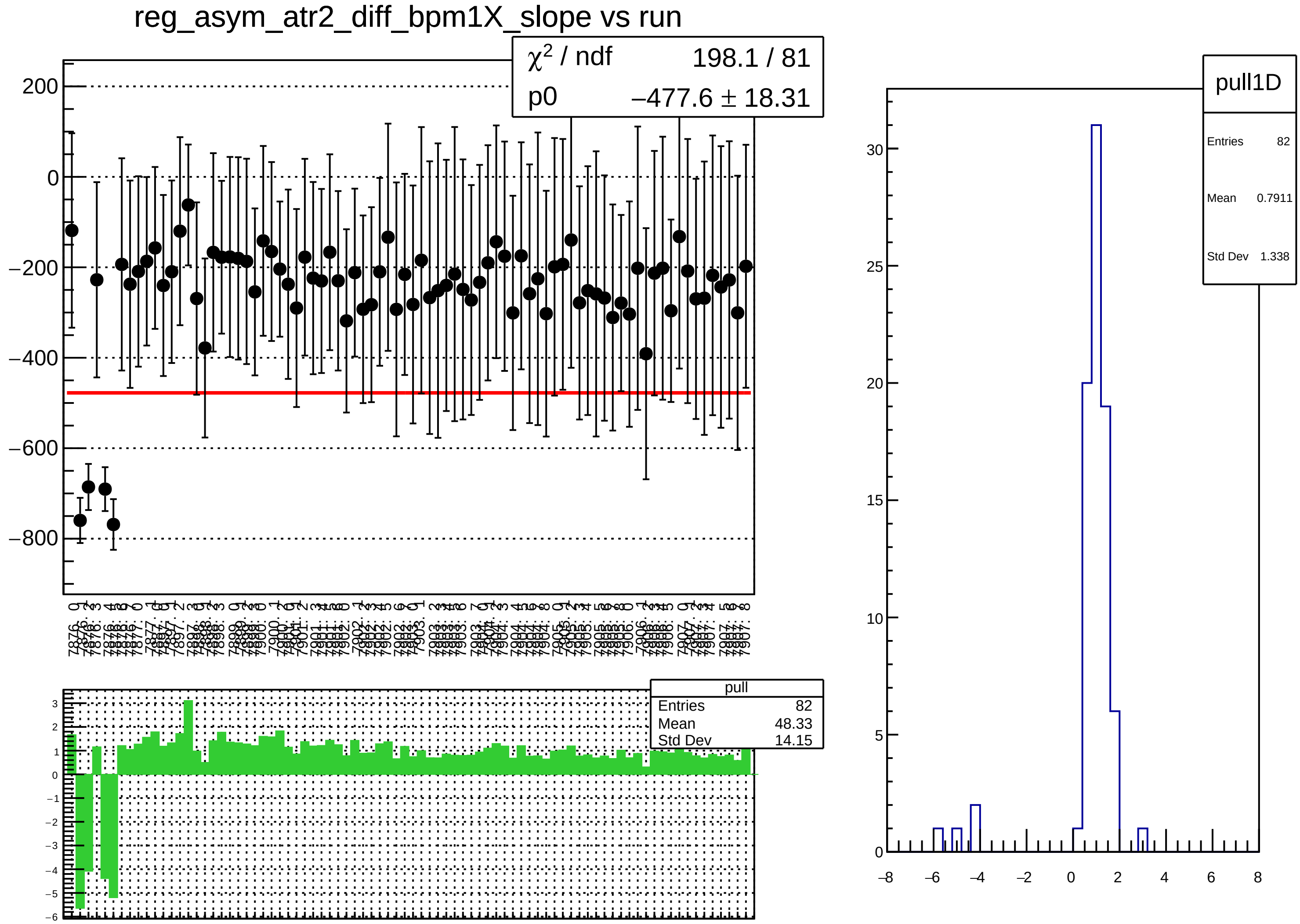



reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 175.8 / 81
p0 38.73 ± 3.594
pull
Entries 82
Mean −26.77
Std Dev 64.82
pull1D
Entries 82
Mean −0.09611
Std Dev 1.461

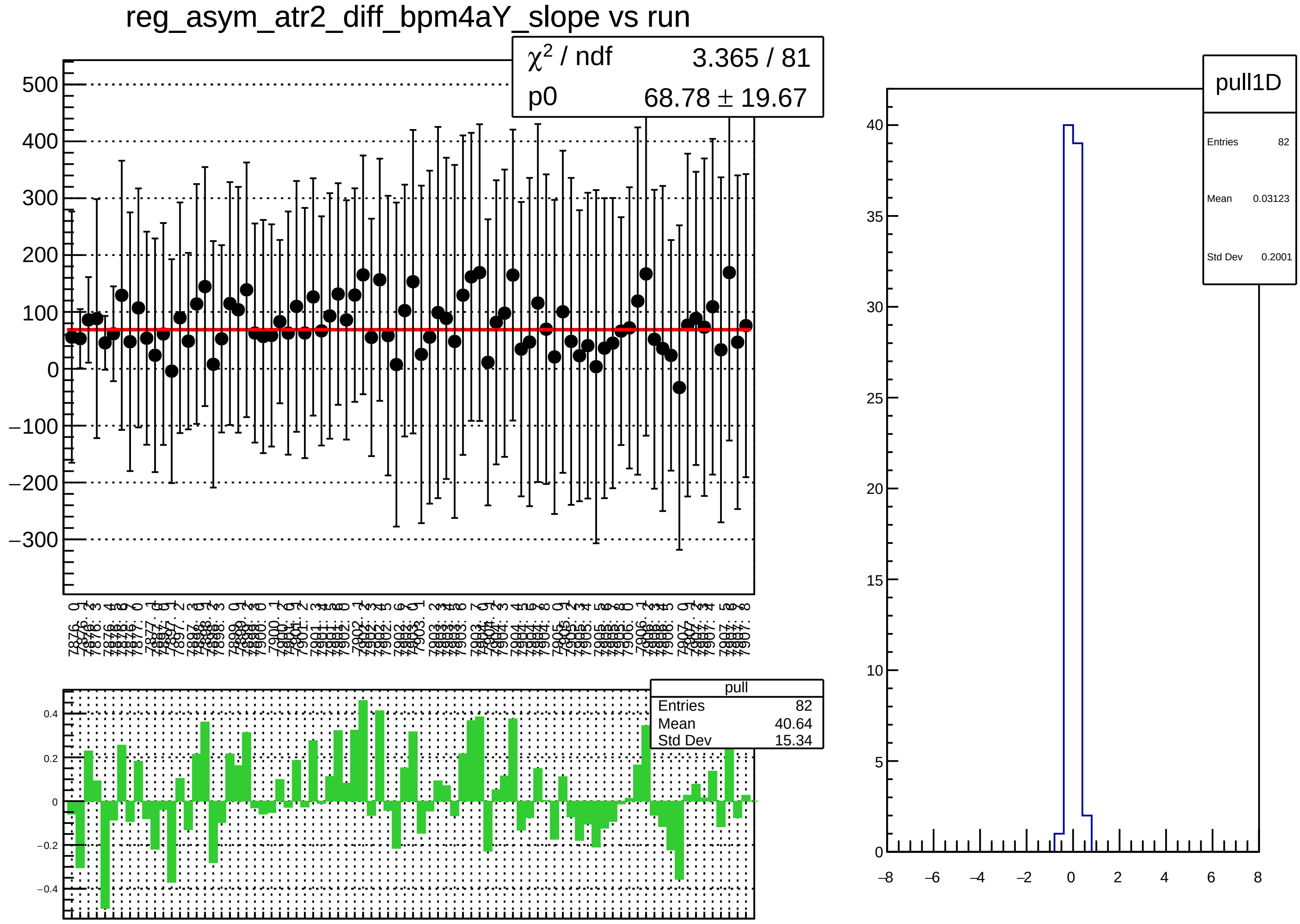

reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 83.94 / 81
p0 16.85 ± 5.813
pull
Entries 82
Mean 1276
Std Dev 1235
pull1D
Entries 82
Mean −0.003016
Std Dev 1.012

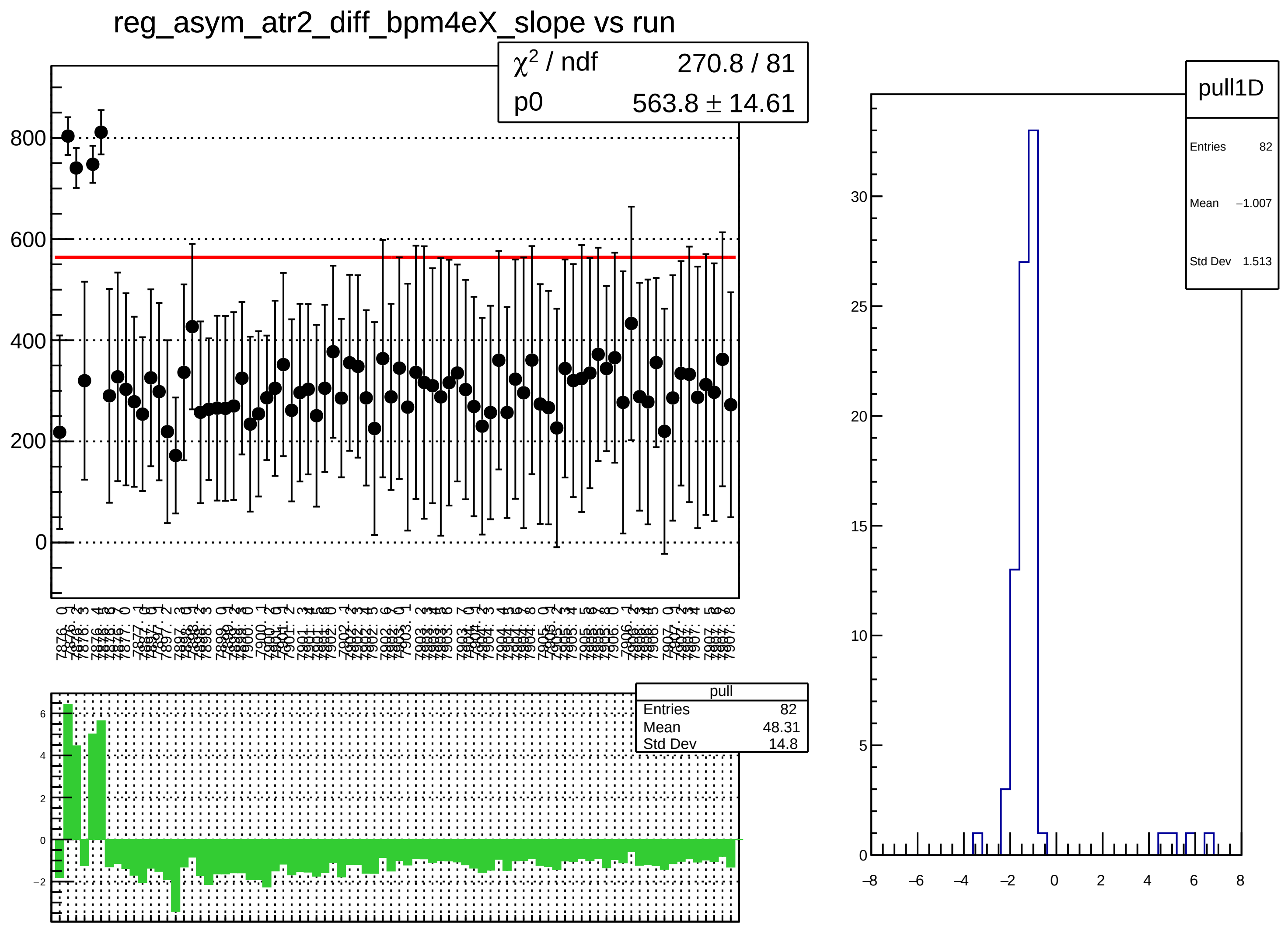


reg_asym_atr1_diff_bpm12X_slope vs run
χ2 / ndf 3545 / 81
p0 −61.82 ± 0.1935
pull
Entries 82
Mean 131.6
Std Dev 90.21
pull1D
Entries 82
Mean −0.04402
Std Dev 4.047

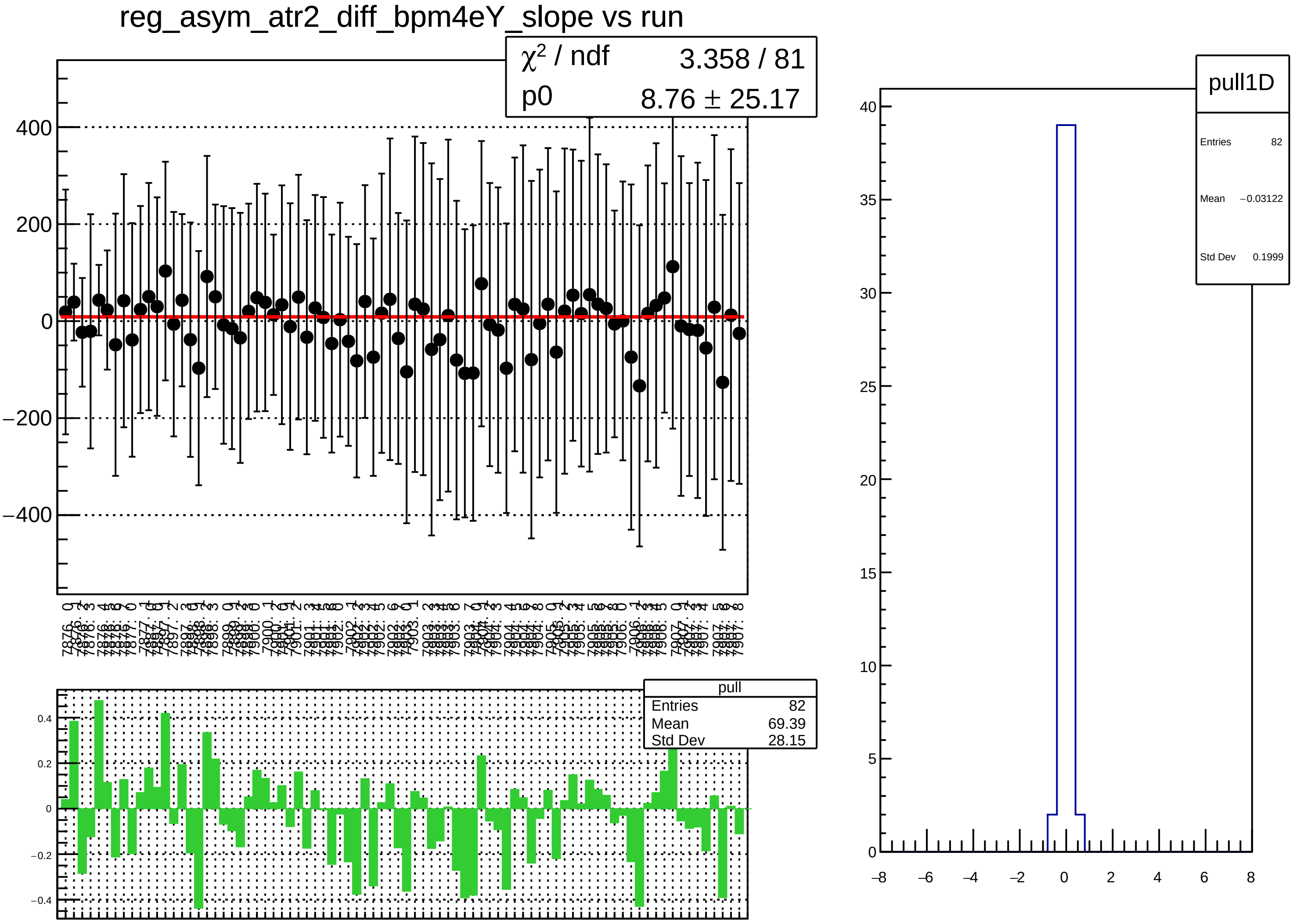


reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 198.1 / 81
p0 −477.6 ± 18.31
200
0
−200
−400
−600
−800
pull
Entries 82
Mean 48.33
Std Dev 14.15
pull1D
Entries 82
Mean 0.7911
Std Dev 1.338
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

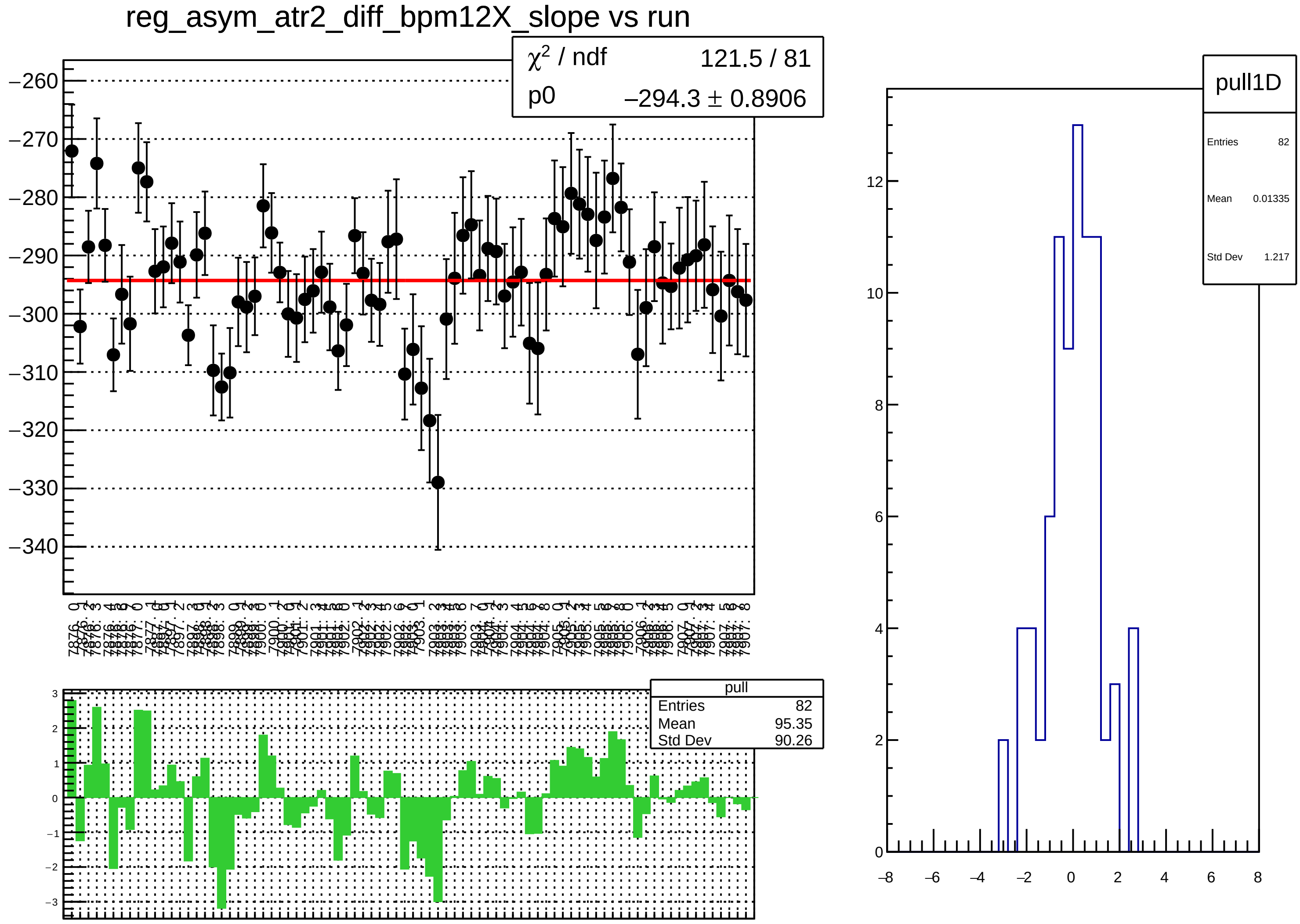

reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 3.365 / 81
p0 68.78 ± 19.67
500
400
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean 40.64
Std Dev 15.34
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 82
Mean 0.03123
Std Dev 0.2001
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



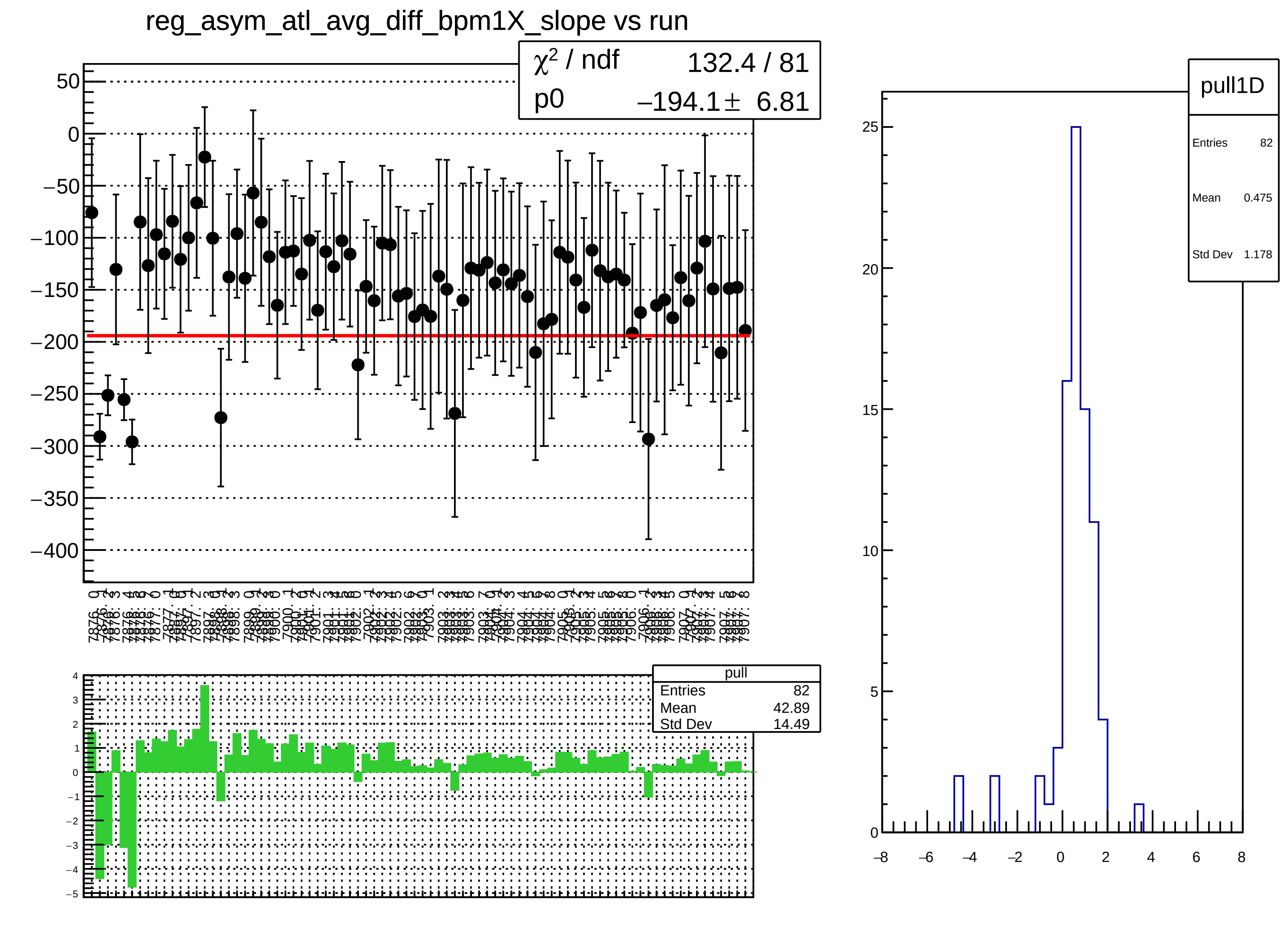
reg_asym_atr2_diff_bpm4eX_slope vs run
χ2 / ndf 270.8 / 81
p0 563.8 ± 14.61
pull
Entries 82
Mean 48.31
Std Dev 14.8
pull1D
Entries 82
Mean −1.007
Std Dev 1.513



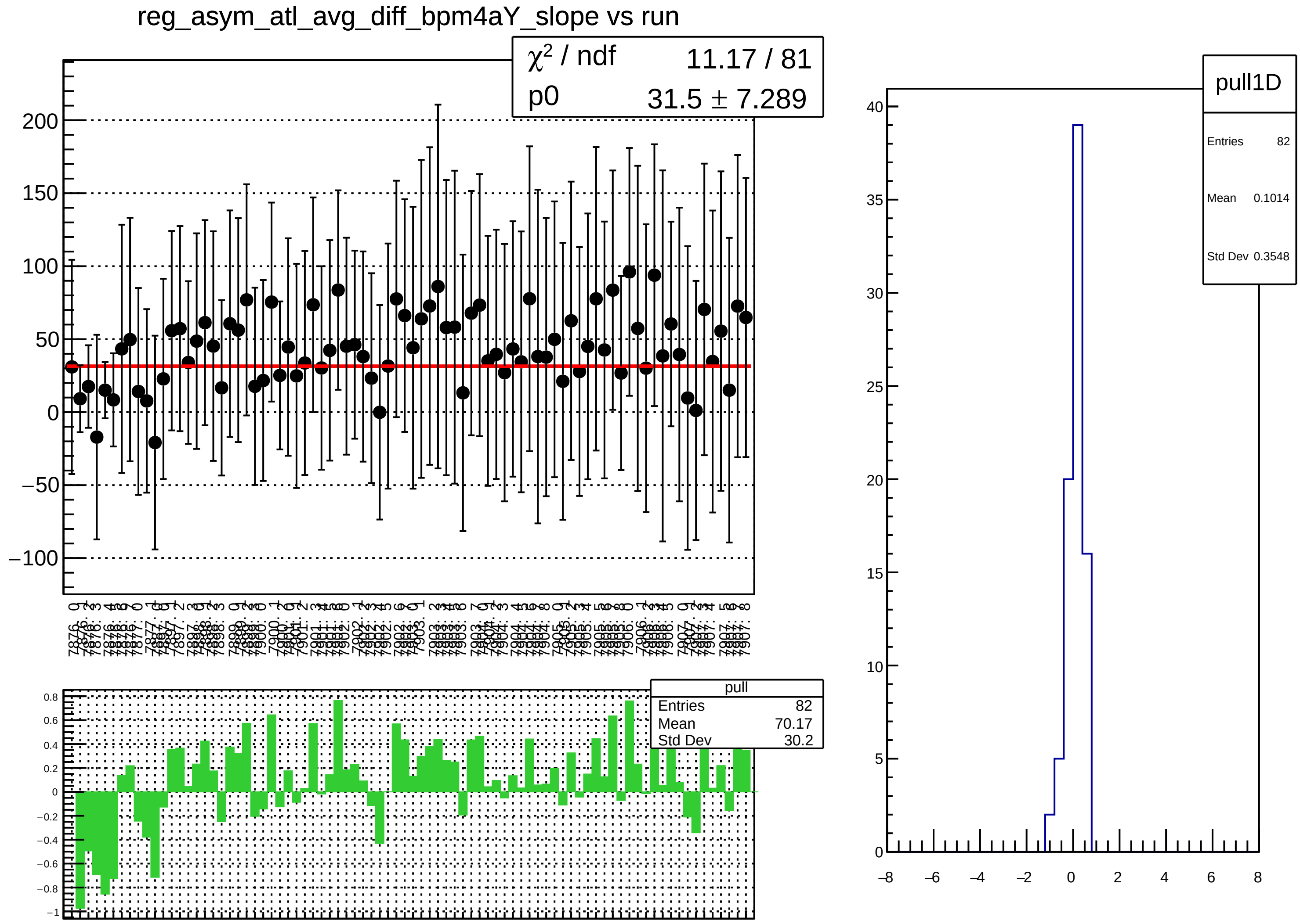
reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 3.358 / 81
p0 8.76 ± 25.17
400
200
0
−200
−400
pull
Entries 82
Mean 69.39
Std Dev 28.15
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 82
Mean −0.03122
Std Dev 0.1999
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



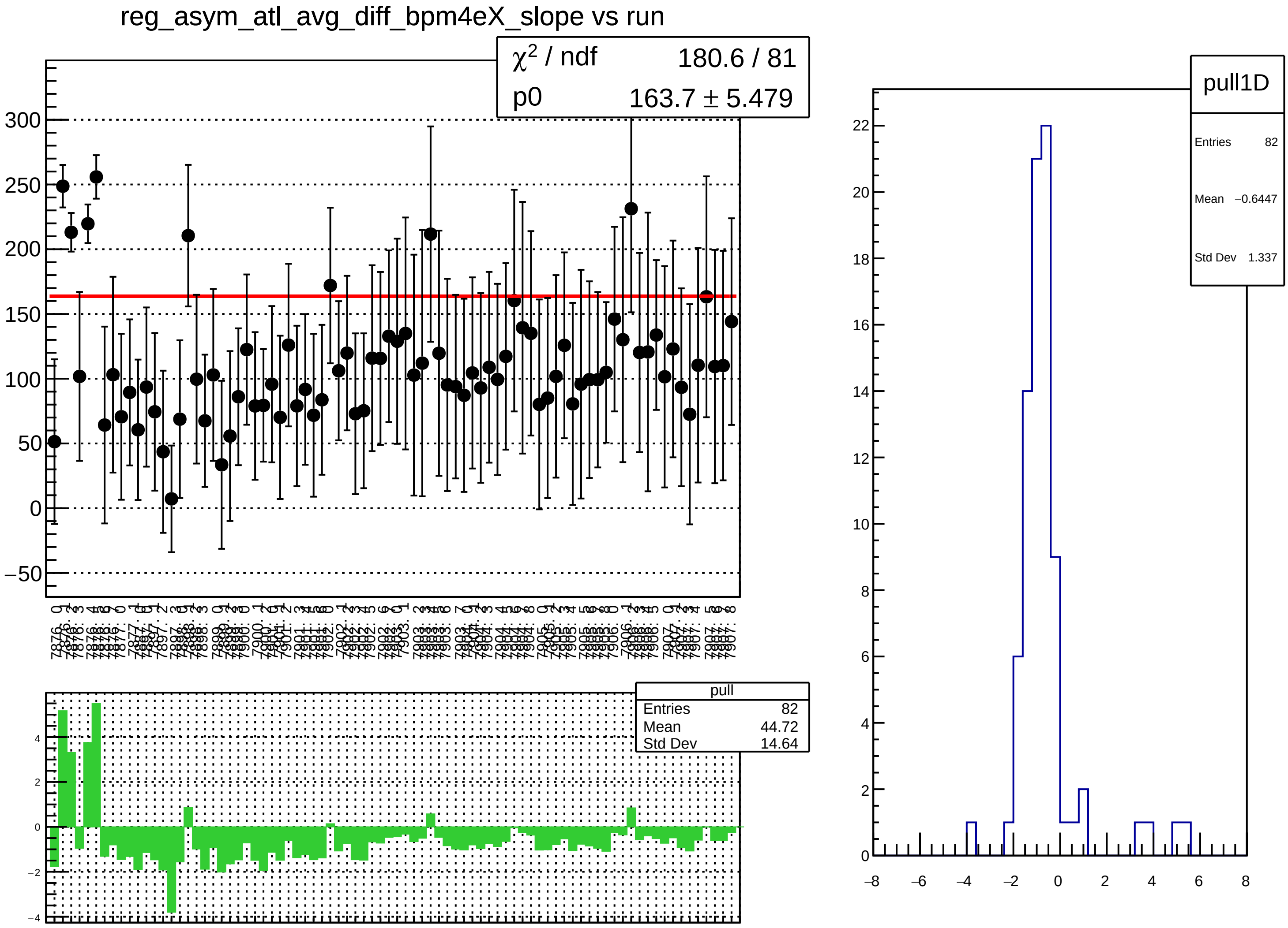
reg_asym_atr2_diff_bpm12X_slope vs run
χ2 / ndf 121.5 / 81
p0 −294.3 ± 0.8906
pull
Entries 82
Mean 95.35
Std Dev 90.26
pull1D
Entries 82
Mean 0.01335
Std Dev 1.217



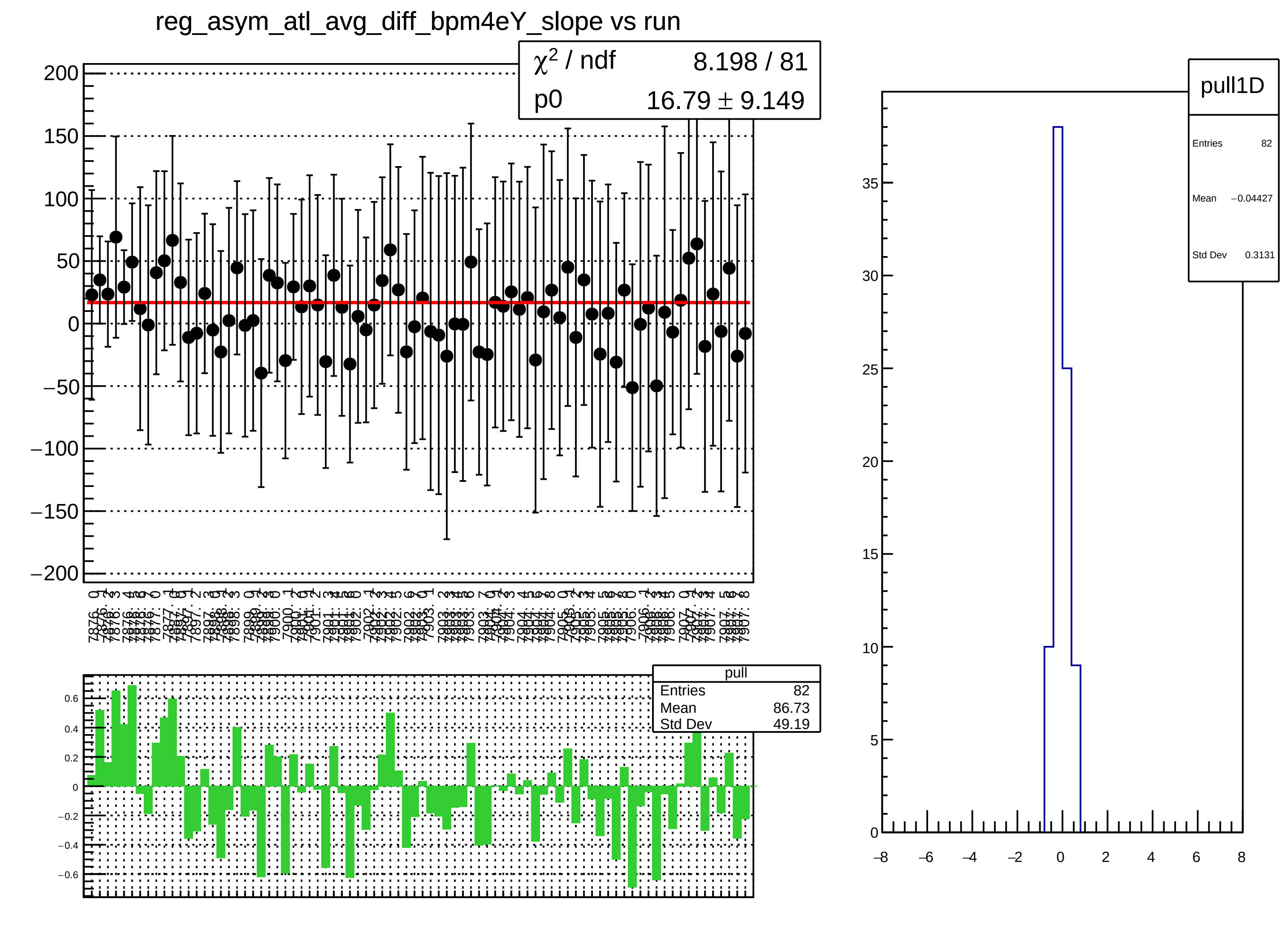
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 132.4 / 81
p0 −194.1 ± 6.81
pull
Entries 82
Mean 42.89
Std Dev 14.49
pull1D
Entries 82
Mean 0.475
Std Dev 1.178



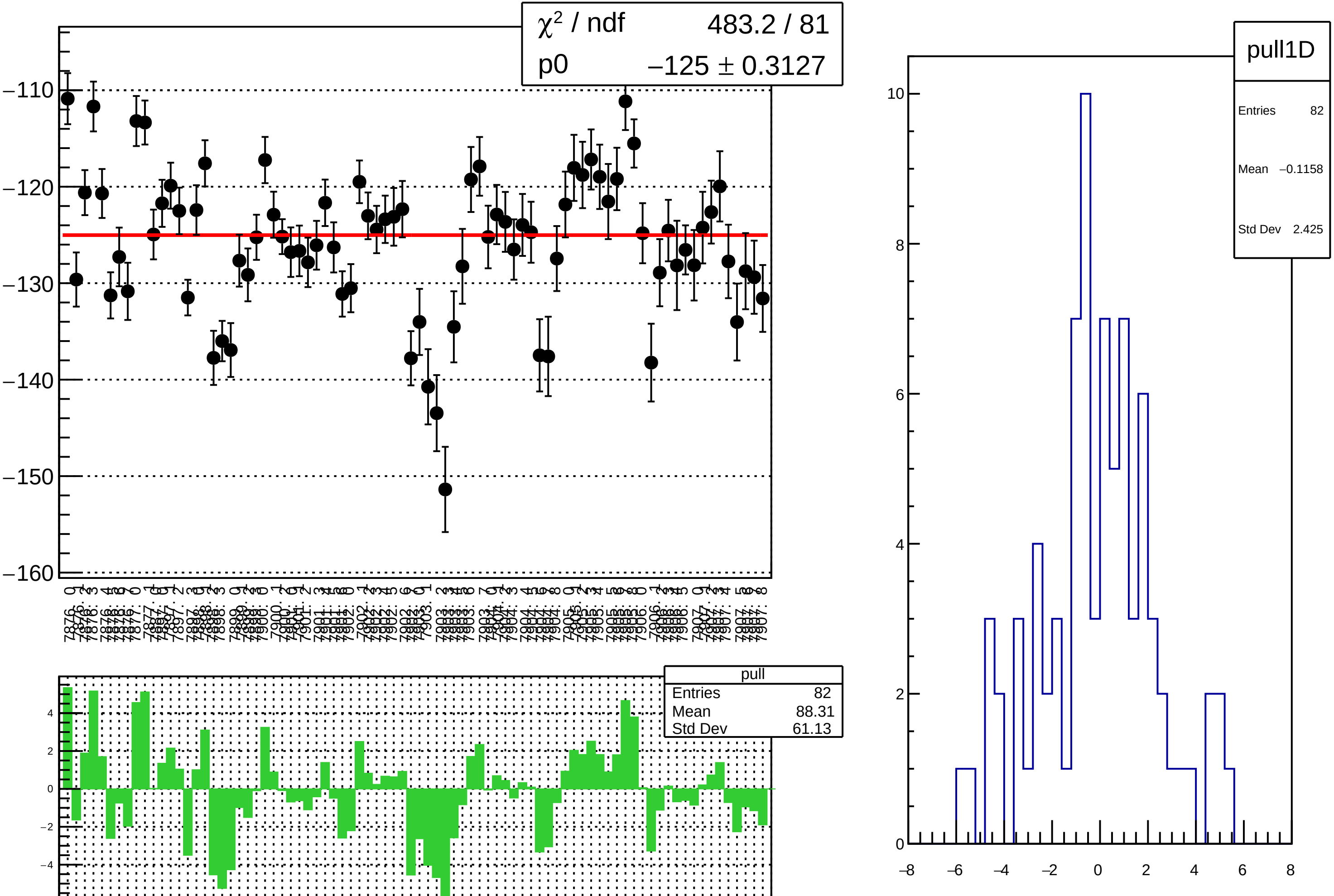
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.17 / 81
p0 31.5 ± 7.289
pull
Entries 82
Mean 70.17
Std Dev 30.2
pull1D
Entries 82
Mean 0.1014
Std Dev 0.3548

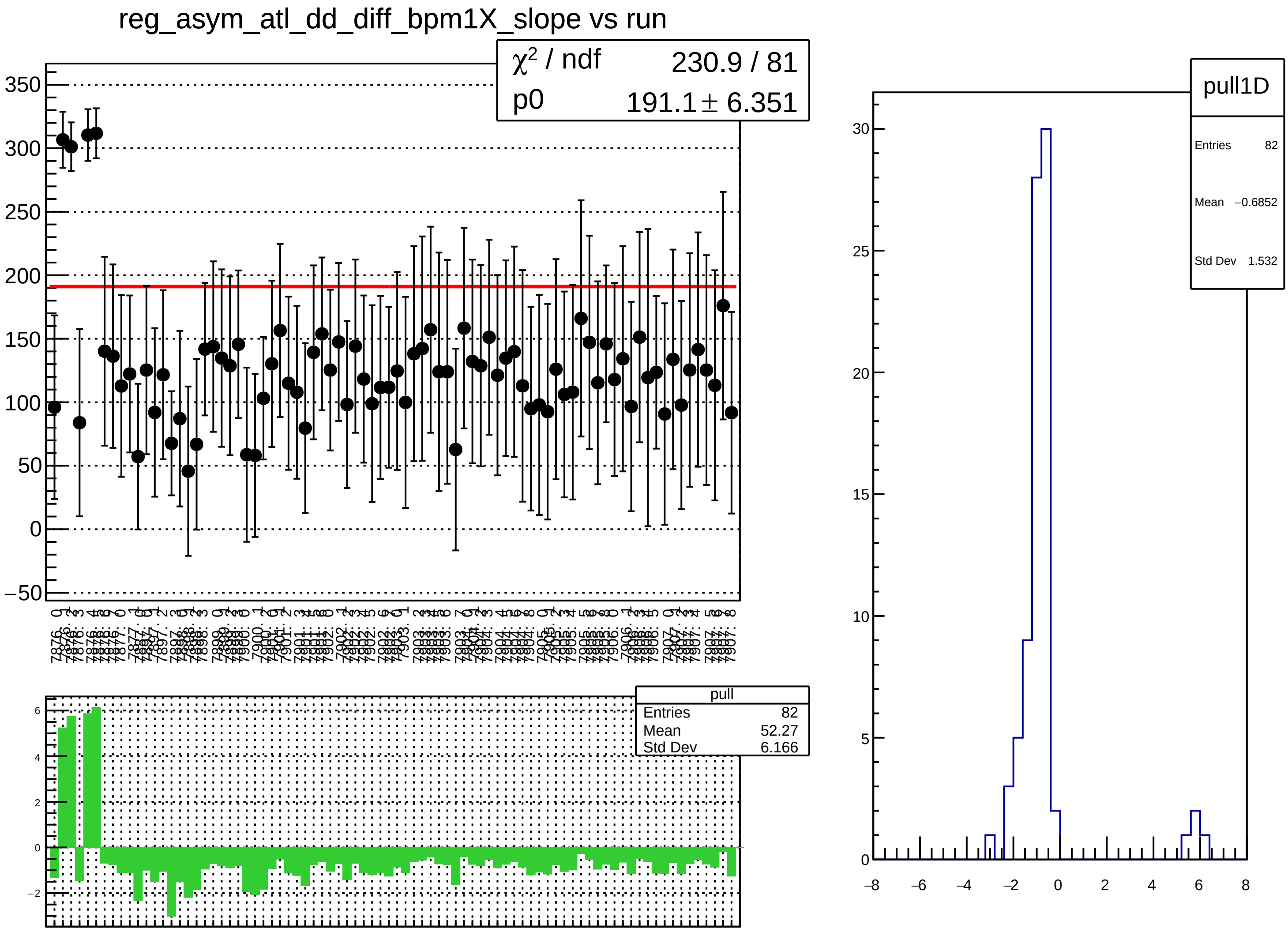


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 180.6 / 81
p0 163.7 ± 5.479
pull
Entries 82
Mean 44.72
Std Dev 14.64
pull1D
Entries 82
Mean −0.6447
Std Dev 1.337

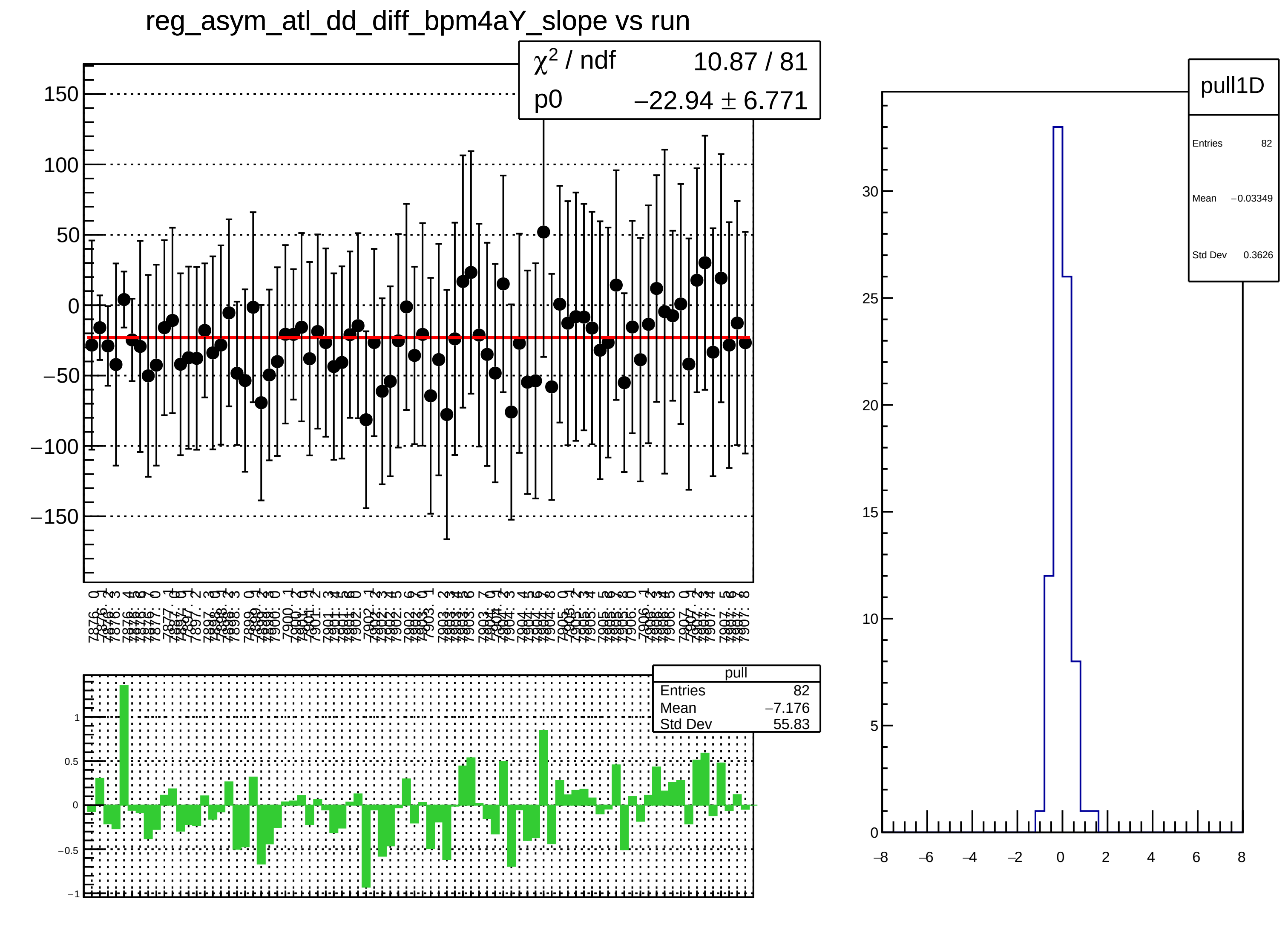

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ2 / ndf 8.198 / 81
p0 16.79 ± 9.149
pull
Entries 82
Mean 86.73
Std Dev 49.19
pull1D
Entries 82
Mean −0.04427
Std Dev 0.3131

reg_asym_atl_avg_diff_bpm12X_slope vs run

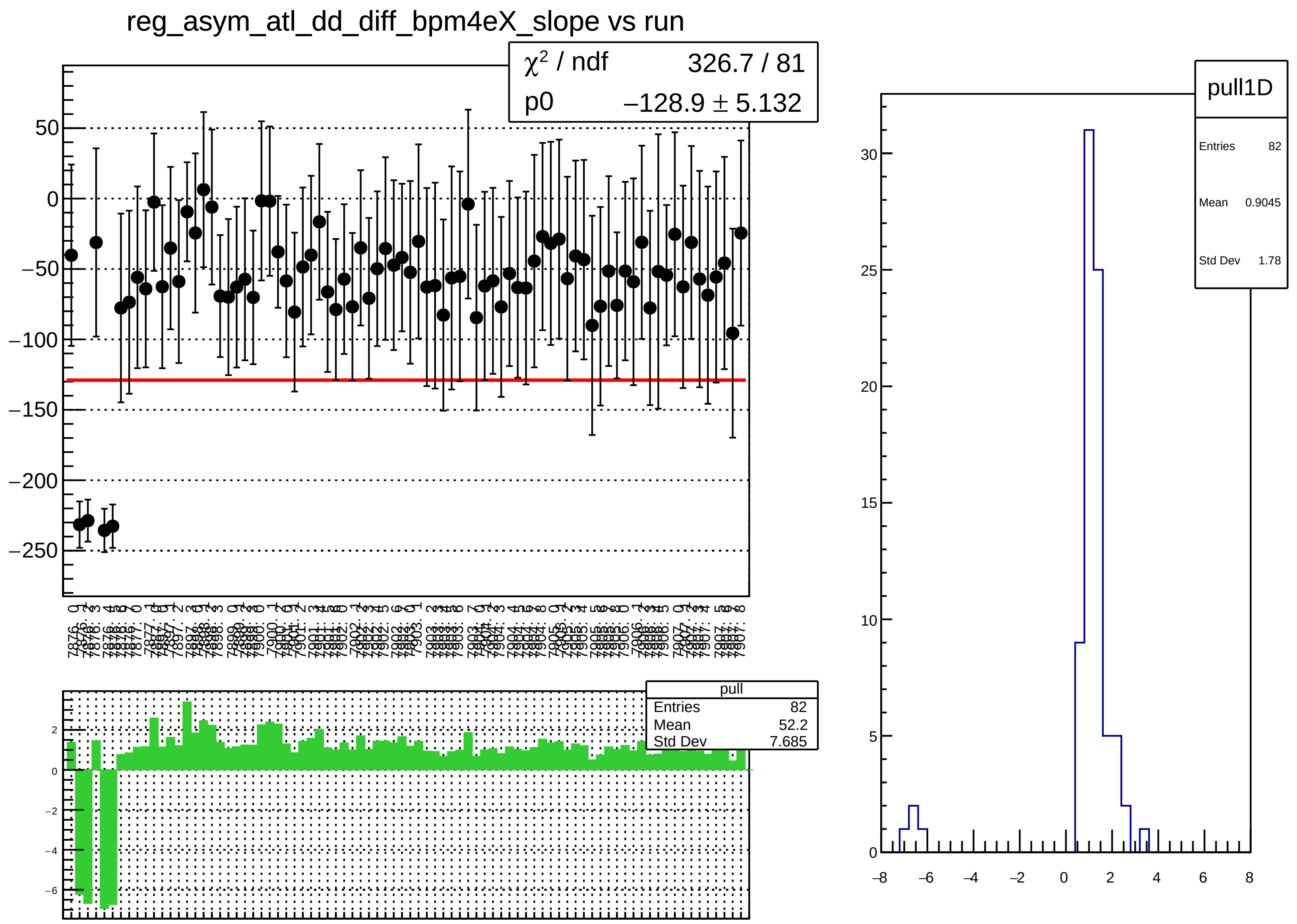




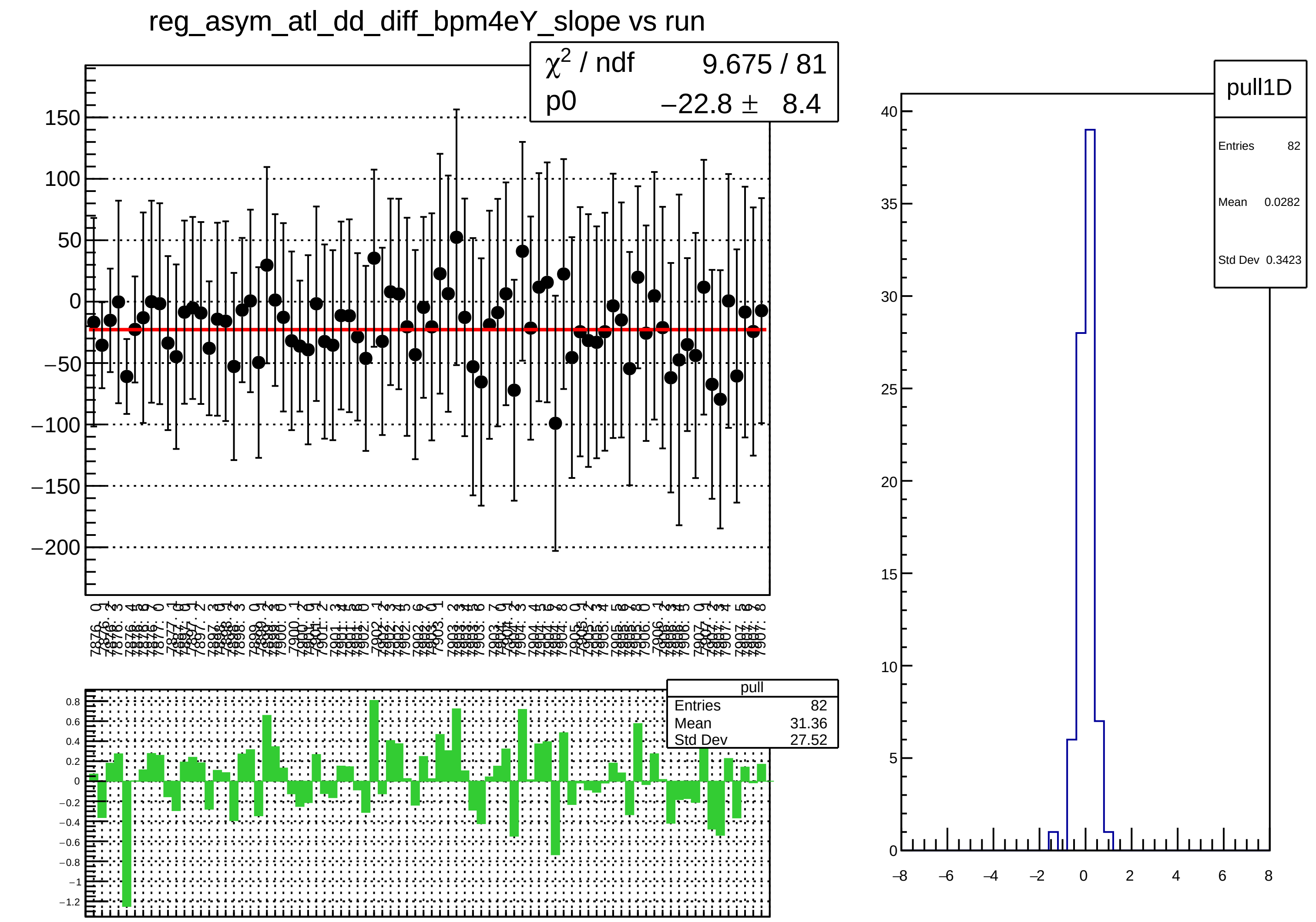
reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 230.9 / 81
p0 191.1 ± 6.351
pull
Entries 82
Mean 52.27
Std Dev 6.166
pull1D
Entries 82
Mean −0.6852
Std Dev 1.532



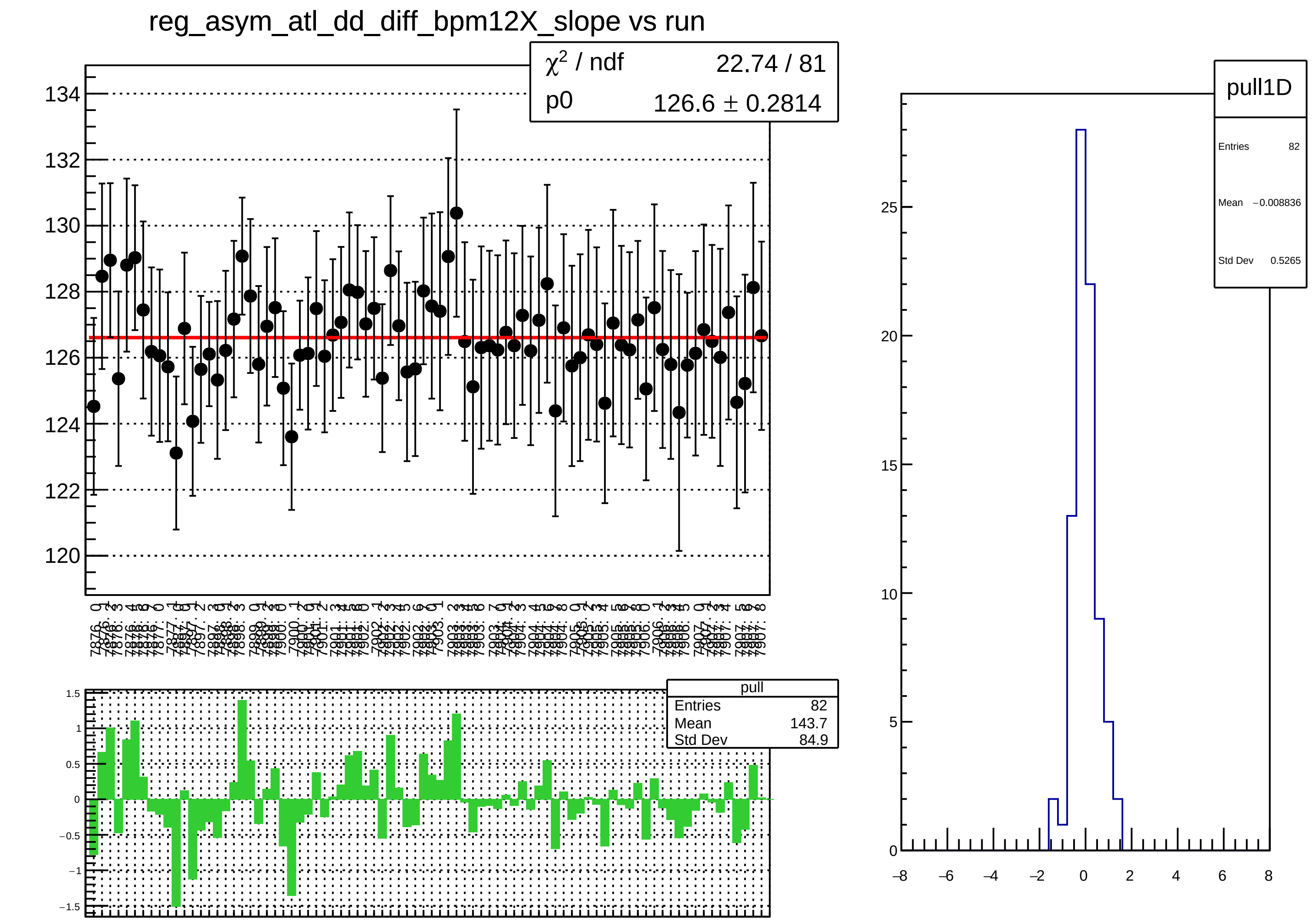
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.87 / 81
p0 −22.94 ± 6.771
pull
Entries 82
Mean −7.176
Std Dev 55.83
pull1D
Entries 82
Mean −0.03349
Std Dev 0.3626

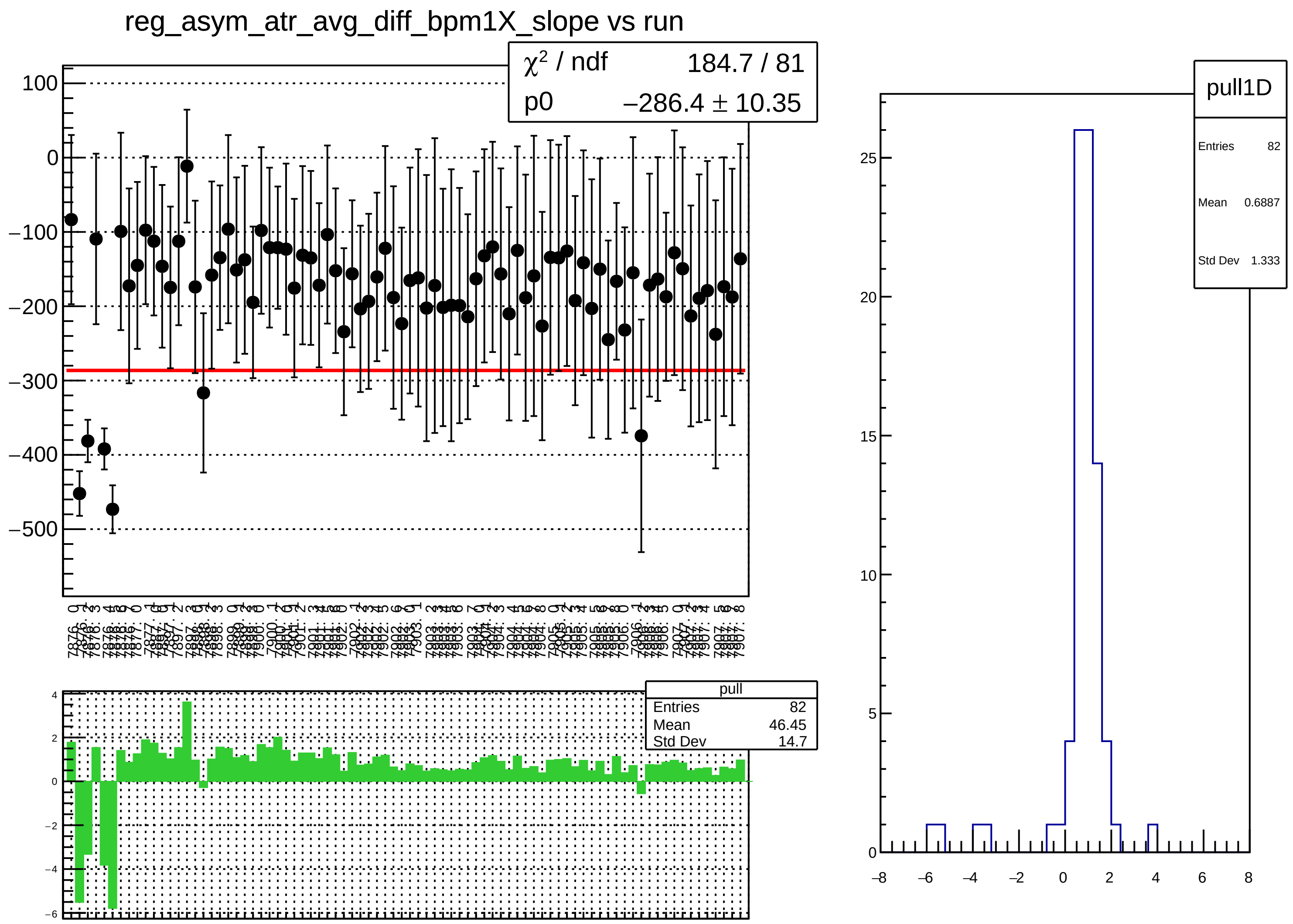


reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ2 / ndf 326.7 / 81
p0 −128.9 ± 5.132
pull
Entries 82
Mean 52.2
Std Dev 7.685
pull1D
Entries 82
Mean 0.9045
Std Dev 1.78

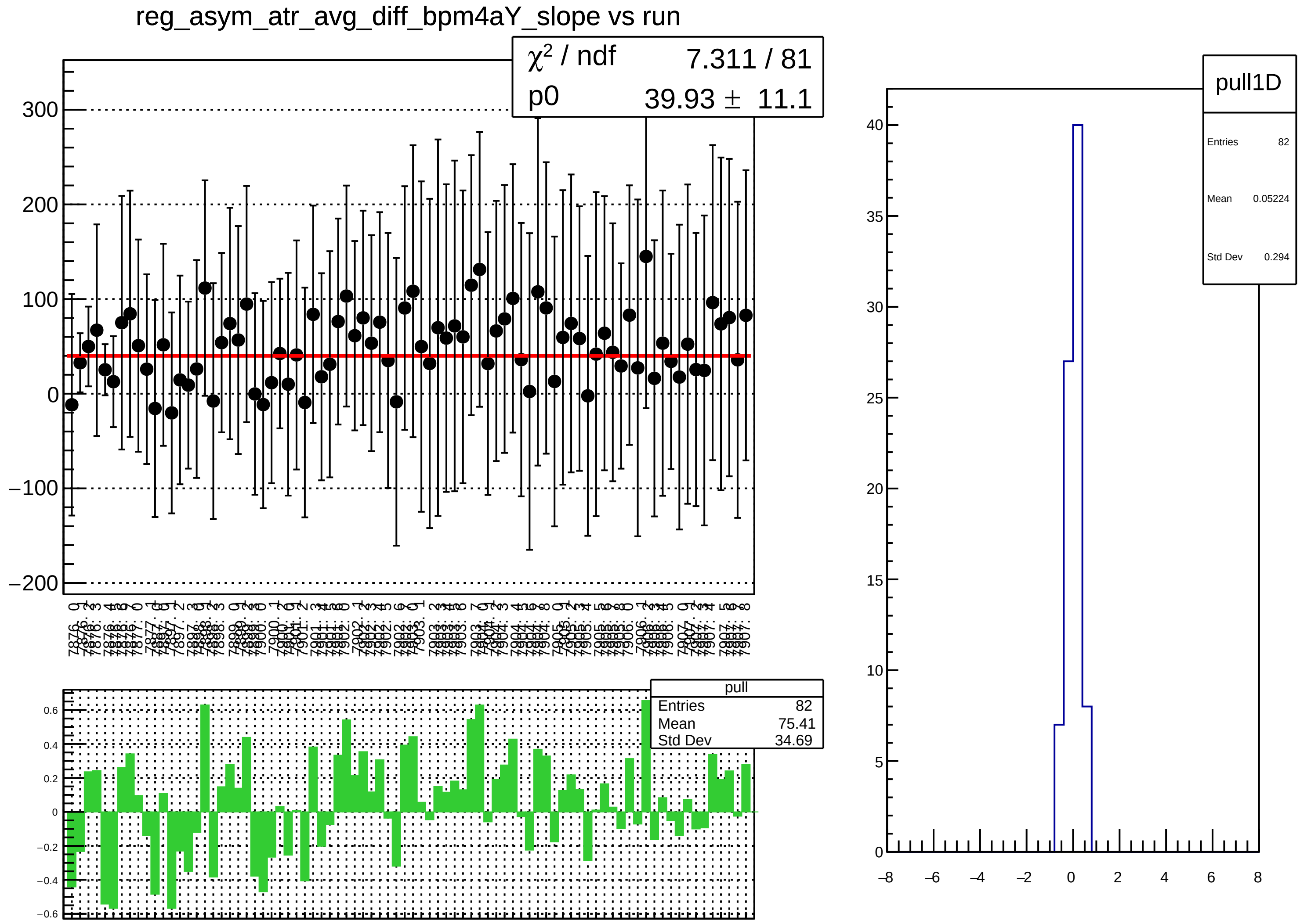


reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ2 / ndf 9.675 / 81
p0 −22.8 ± 8.4
pull
Entries 82
Mean 31.36
Std Dev 27.52
pull1D
Entries 82
Mean 0.0282
Std Dev 0.3423

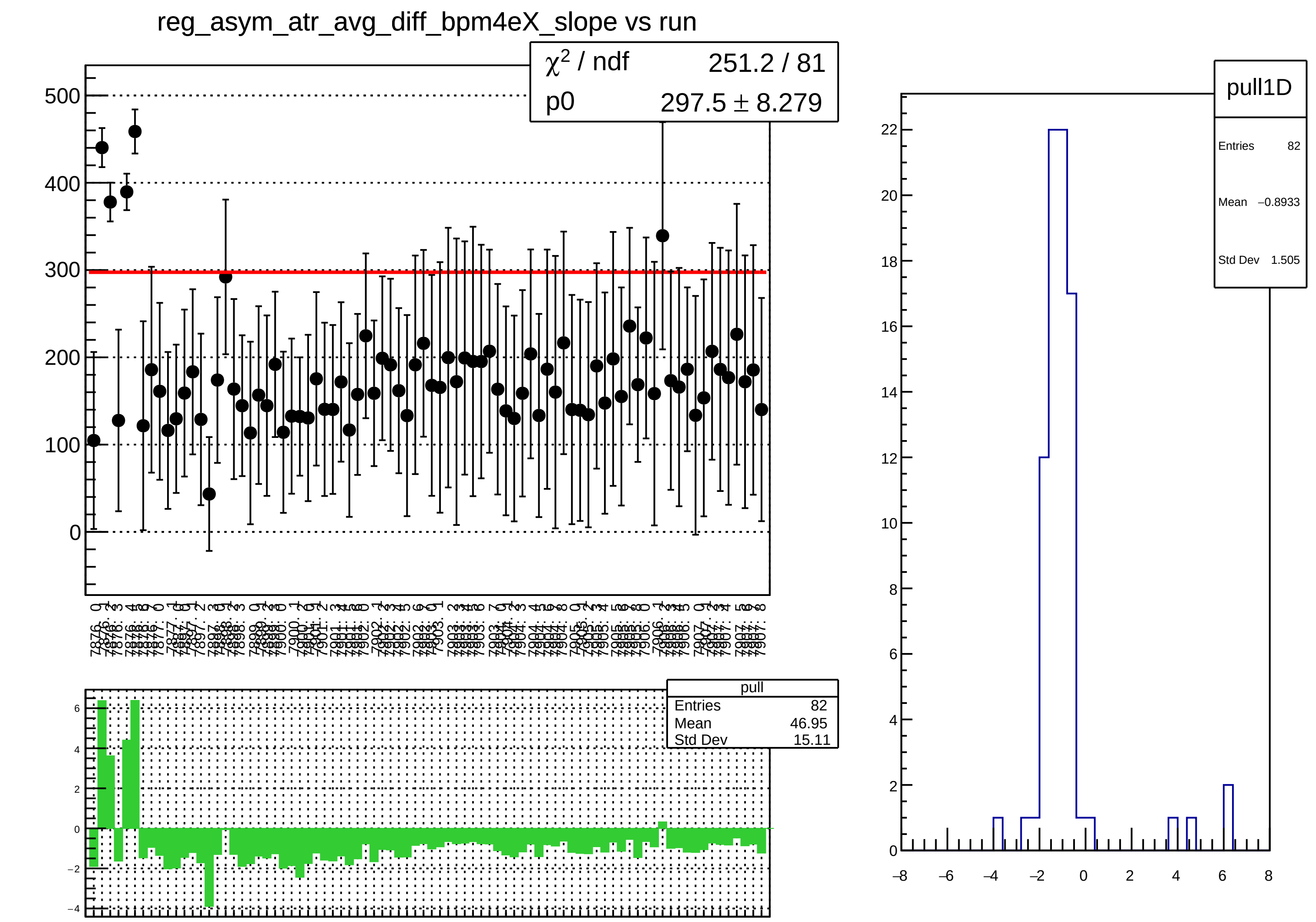

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 22.74 / 81
p0 126.6 ± 0.2814
pull
Entries 82
Mean 143.7
Std Dev 84.9
pull1D
Entries 82
Mean −0.008836
Std Dev 0.5265



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

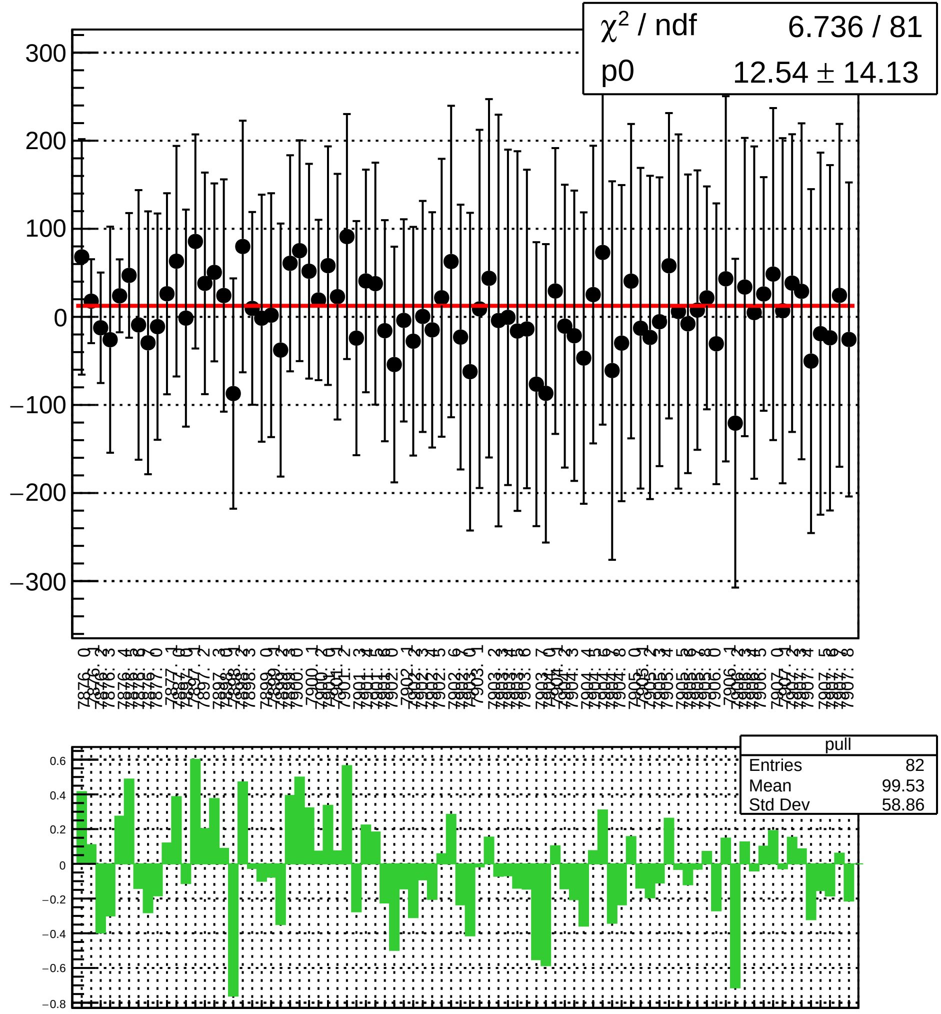


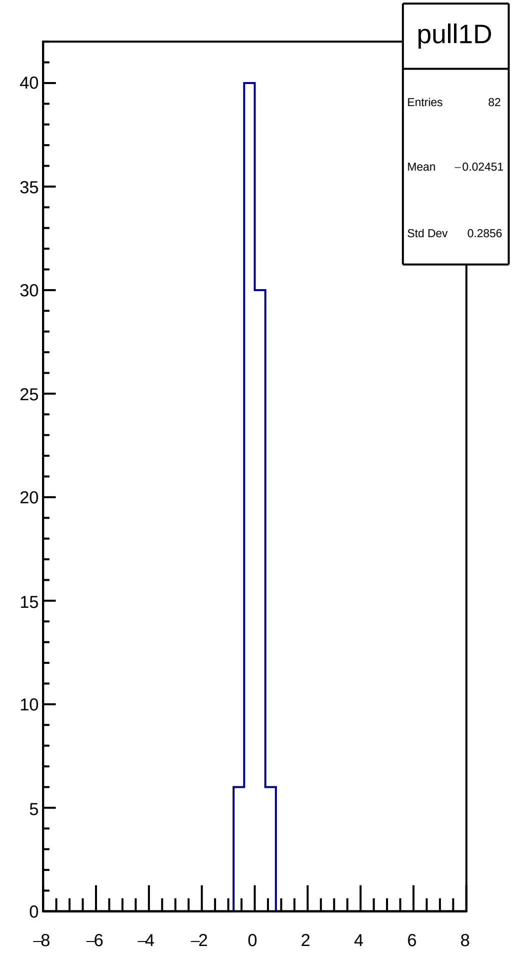
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.311 / 81
p0 39.93 ± 11.1
pull
Entries 82
Mean 75.41
Std Dev 34.69
pull1D
Entries 82
Mean 0.05224
Std Dev 0.294

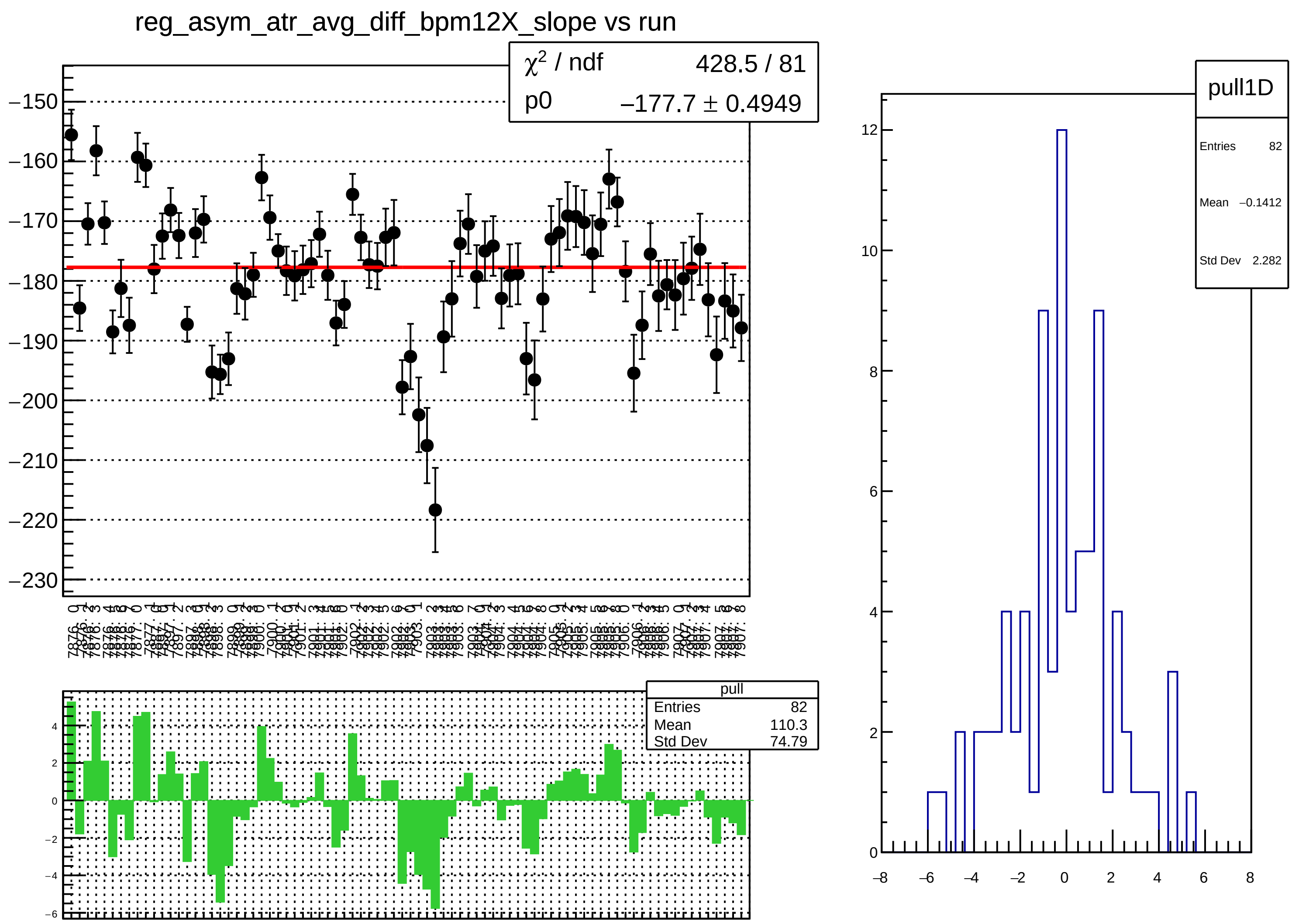


reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 251.2 / 81
p0 297.5 ± 8.279
pull
Entries 82
Mean 46.95
Std Dev 15.11
pull1D
Entries 82
Mean −0.8933
Std Dev 1.505

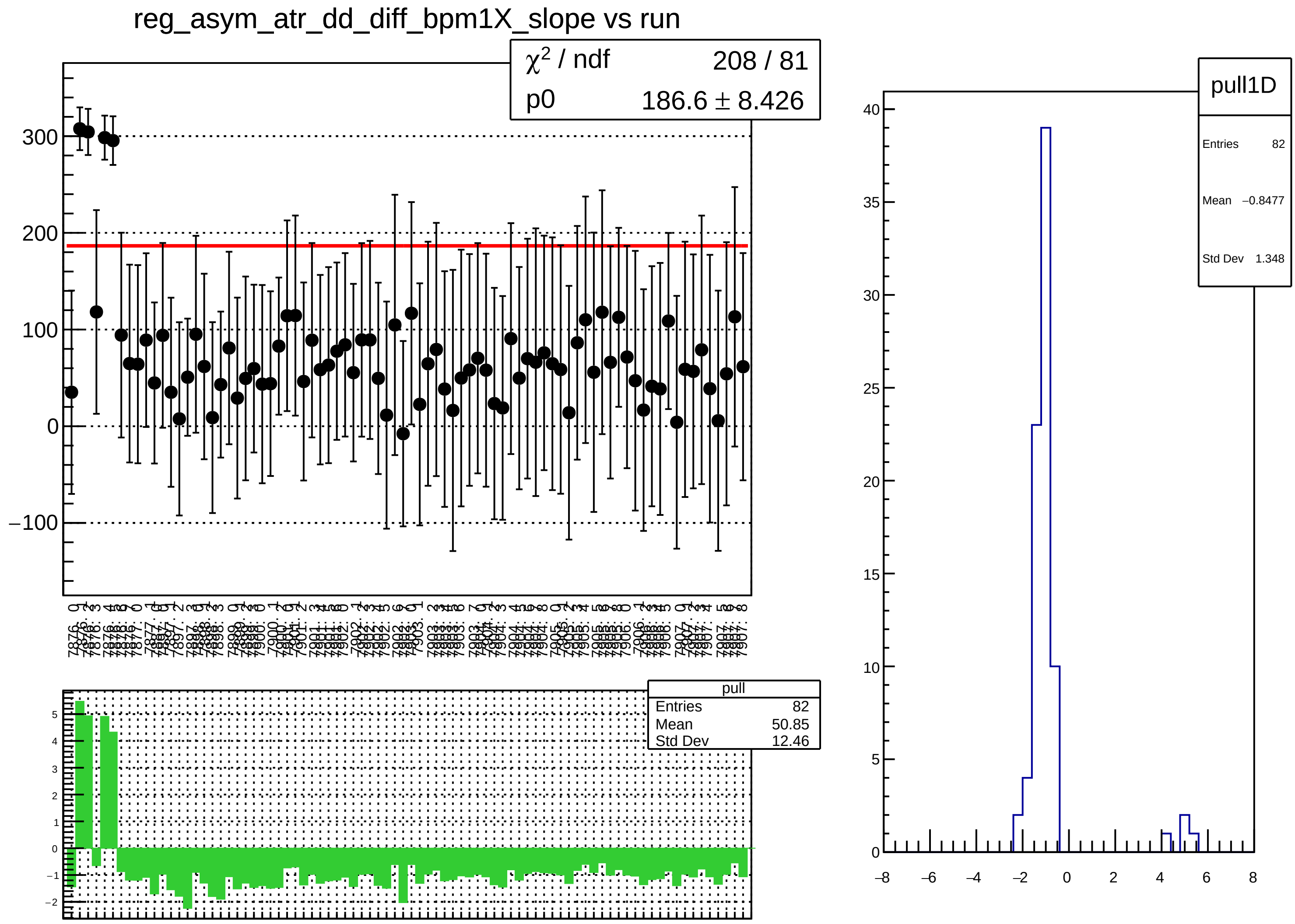
reg_asym_atr_avg_diff_bpm4eY_slope vs run



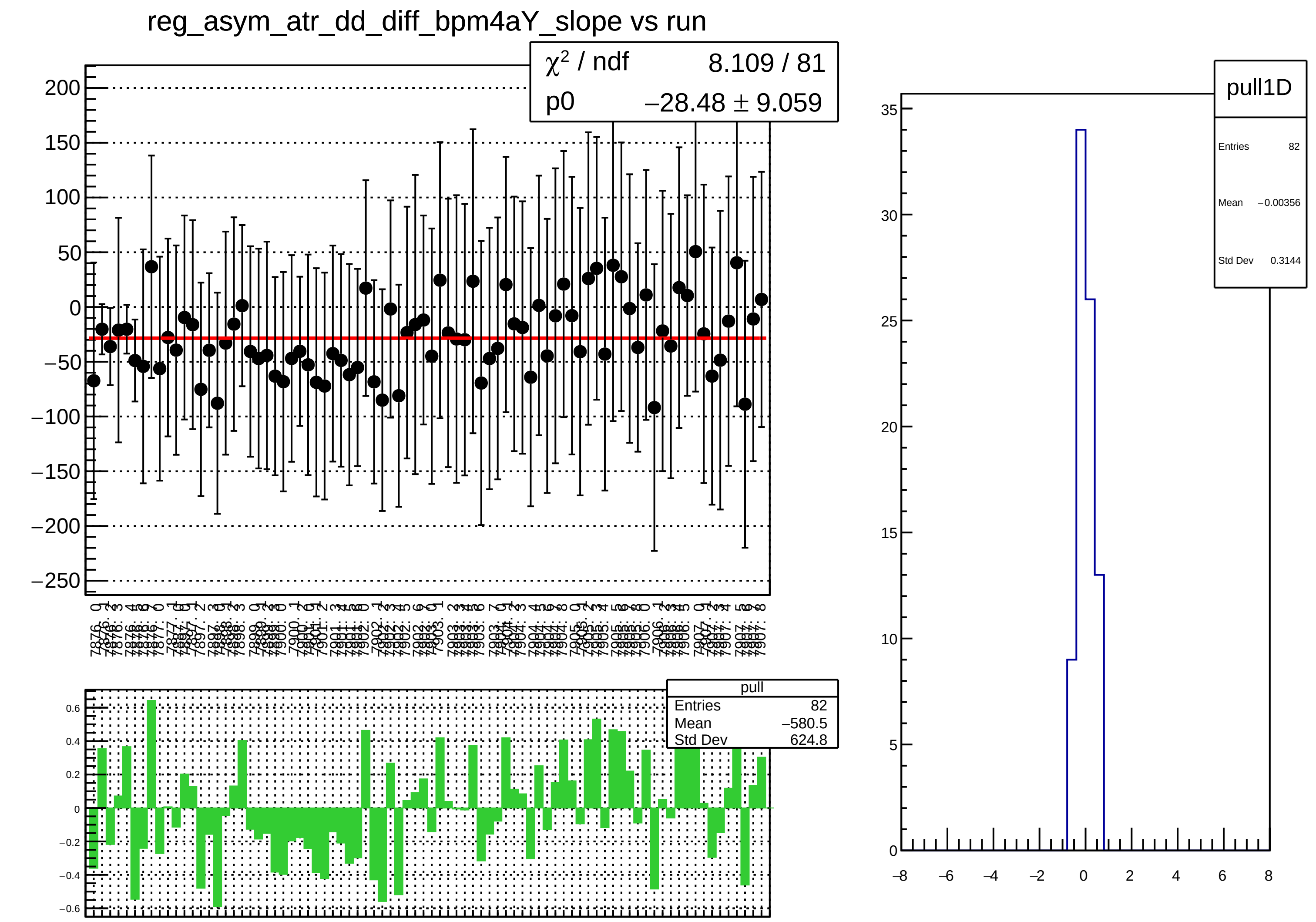


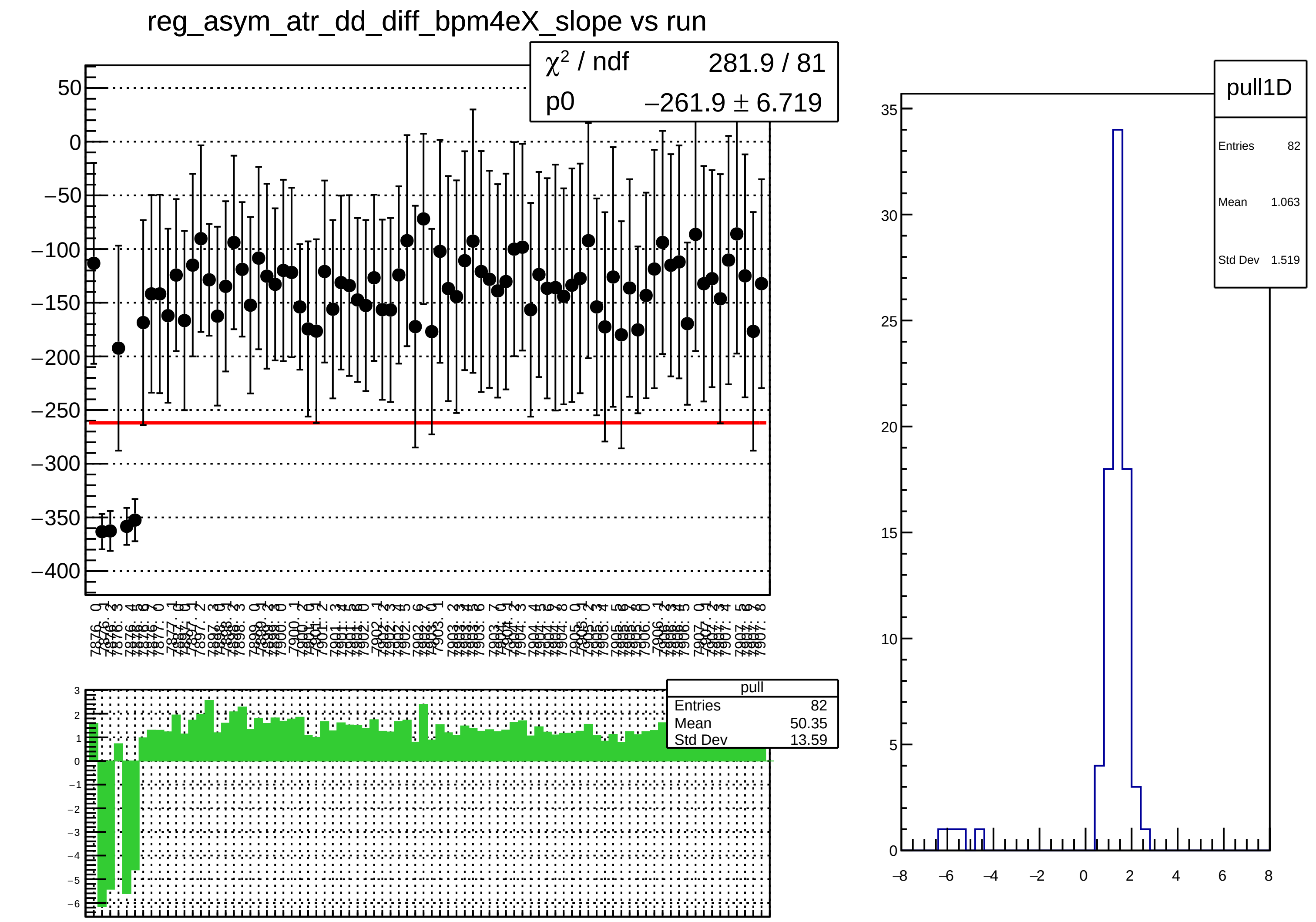


reg_asym_atr_avg_diff_bpm12X_slope vs run
χ2 / ndf 428.5 / 81
p0 −177.7 ± 0.4949
pull
Entries 82
Mean 110.3
Std Dev 74.79
pull1D
Entries 82
Mean −0.1412
Std Dev 2.282

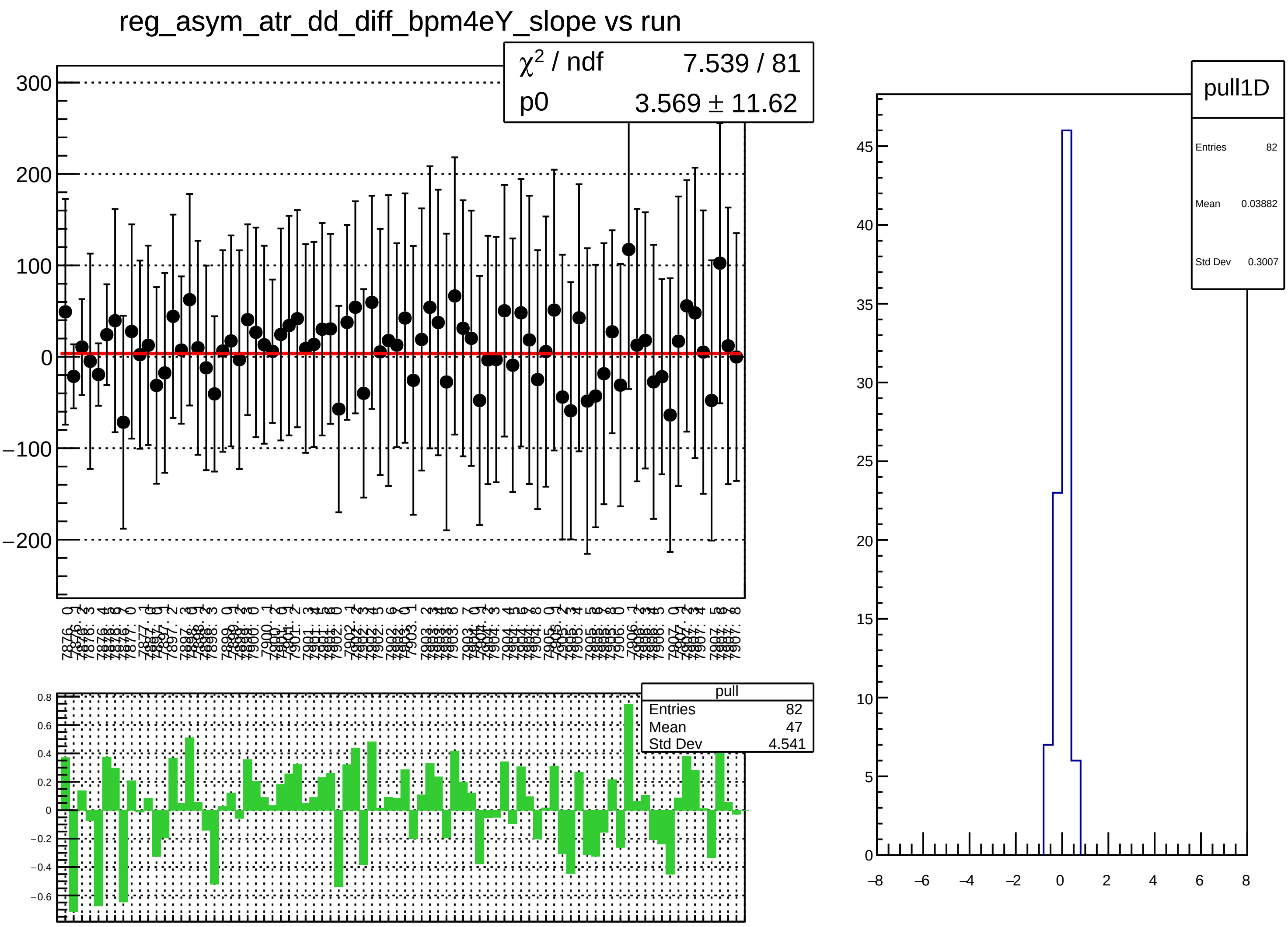


reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 208 / 81
p0 186.6 ± 8.426
pull
Entries 82
Mean 50.85
Std Dev 12.46
pull1D
Entries 82
Mean −0.8477
Std Dev 1.348

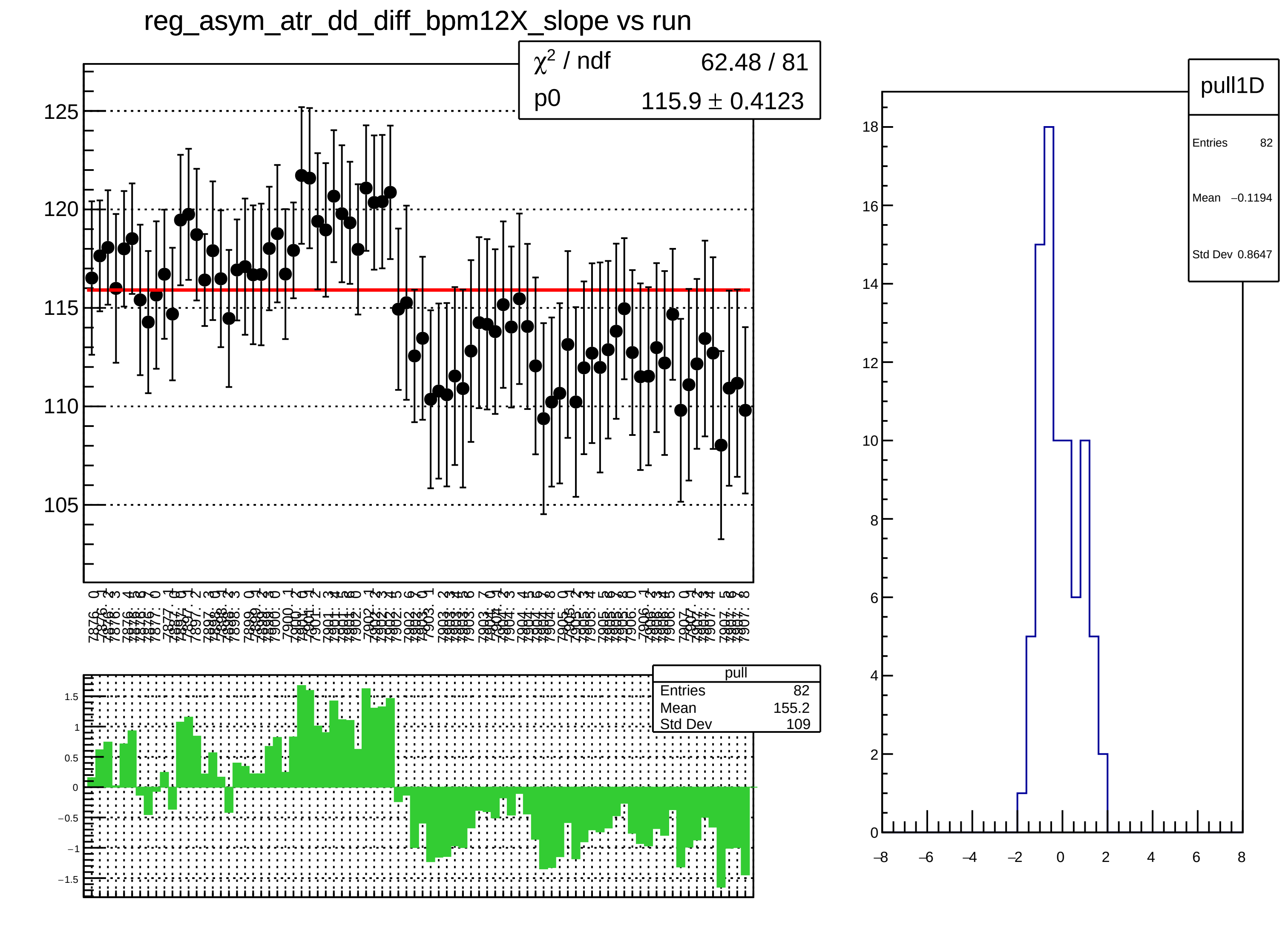

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.109 / 81
p0 −28.48 ± 9.059
pull
Entries 82
Mean −580.5
Std Dev 624.8
pull1D
Entries 82
Mean −0.00356
Std Dev 0.3144



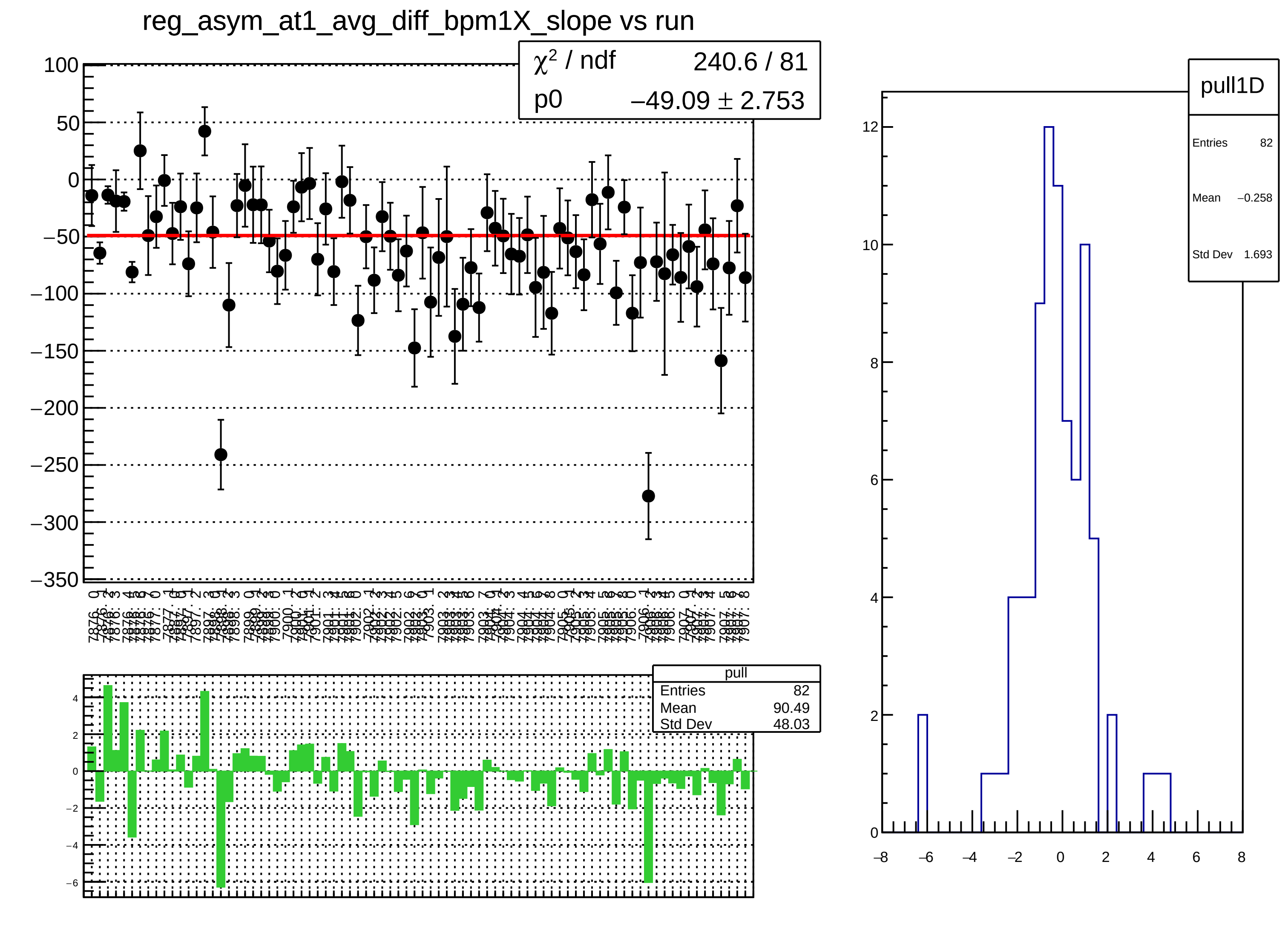
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 281.9 / 81
p0 −261.9 ± 6.719
pull
Entries 82
Mean 50.35
Std Dev 13.59
pull1D
Entries 82
Mean 1.063
Std Dev 1.519

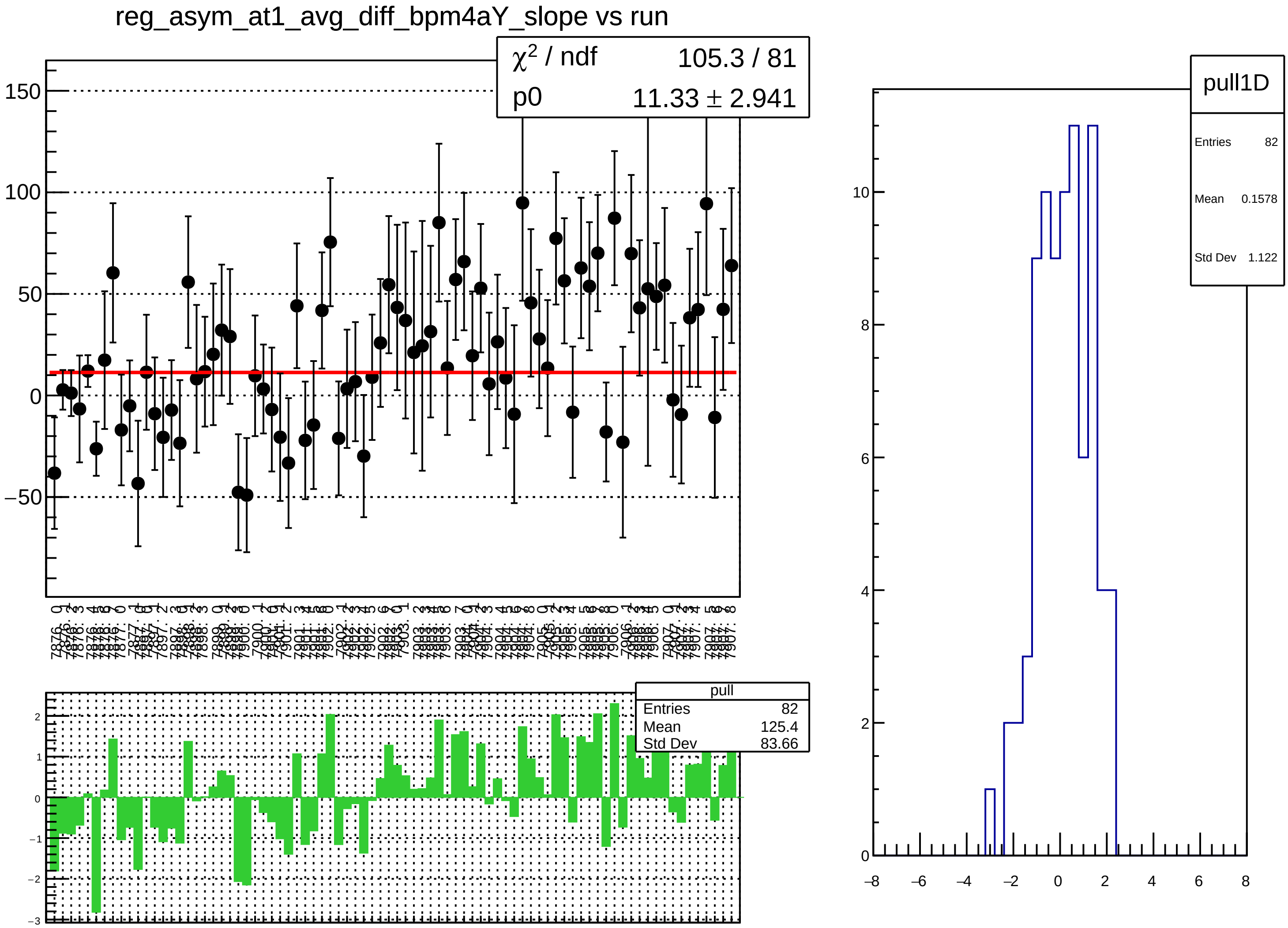


reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.539 / 81
p0 3.569 ± 11.62
pull
Entries 82
Mean 47
Std Dev 4.541
pull1D
Entries 82
Mean 0.03882
Std Dev 0.3007

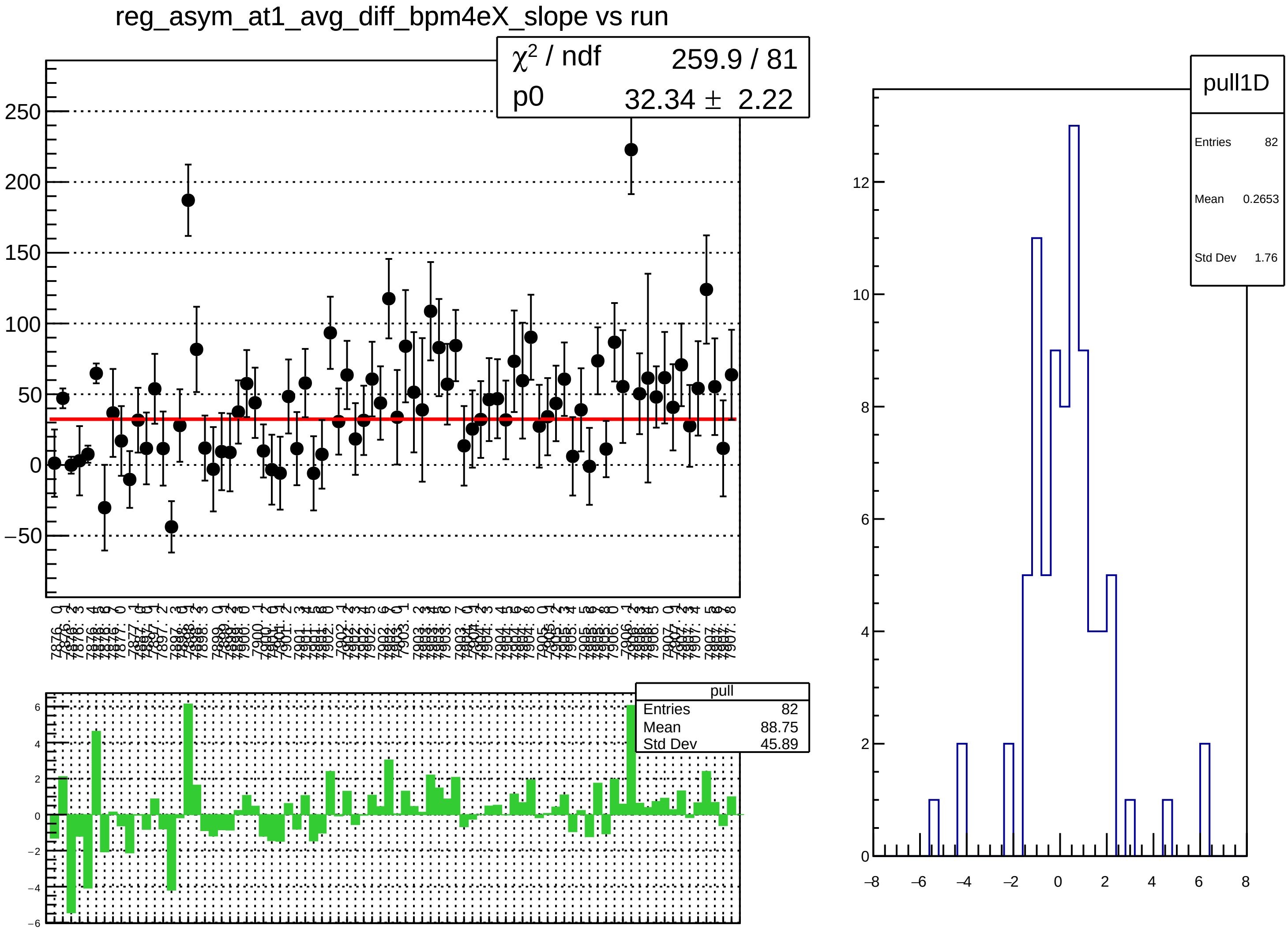


reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 62.48 / 81
p0 115.9 ± 0.4123
125
120
115
110
105
pull
Entries 82
Mean 155.2
Std Dev 109
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.1194
Std Dev 0.8647
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

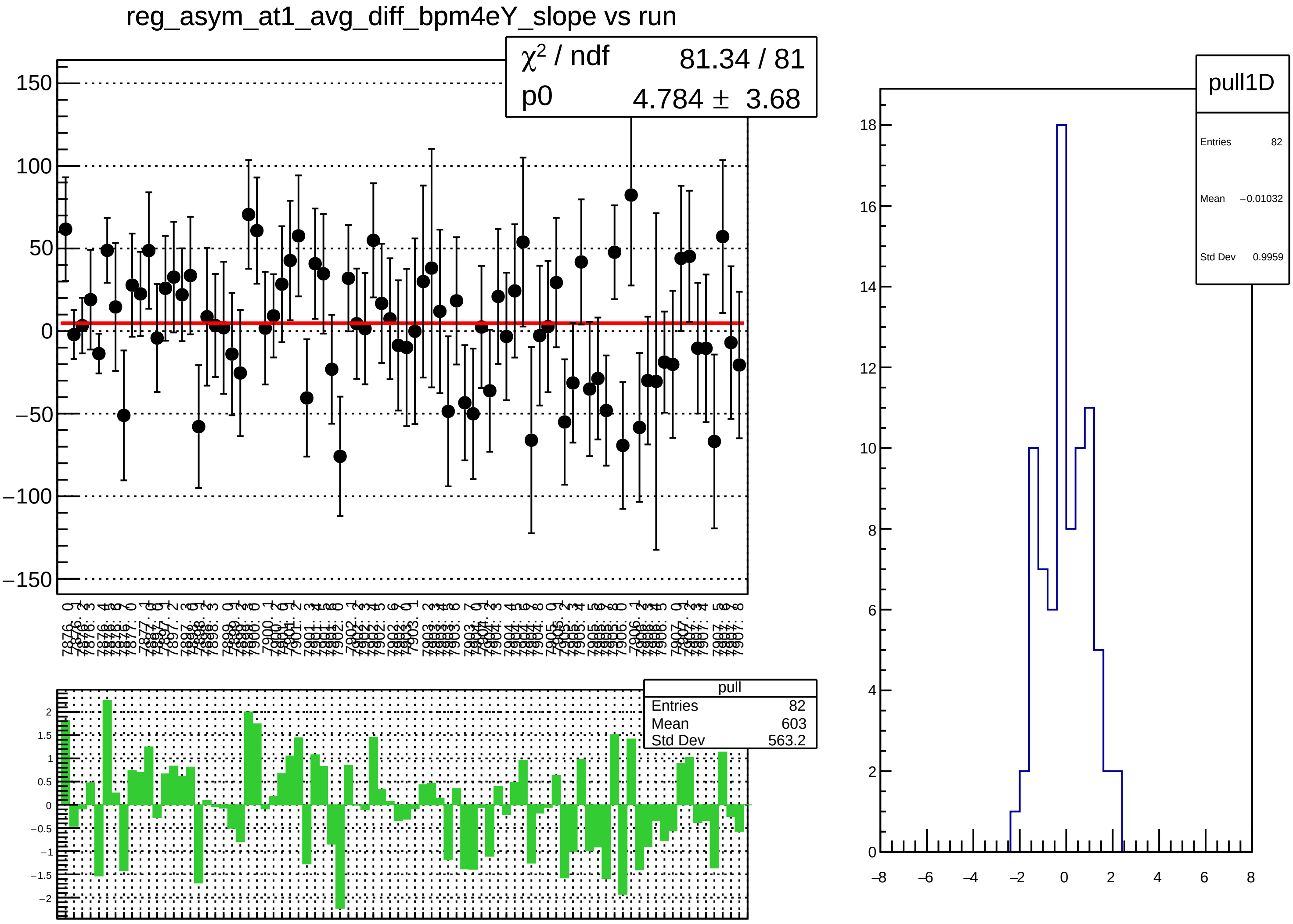

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 240.6 / 81
p0 −49.09 ± 2.753
pull
Entries 82
Mean 90.49
Std Dev 48.03
pull1D
Entries 82
Mean −0.258
Std Dev 1.693



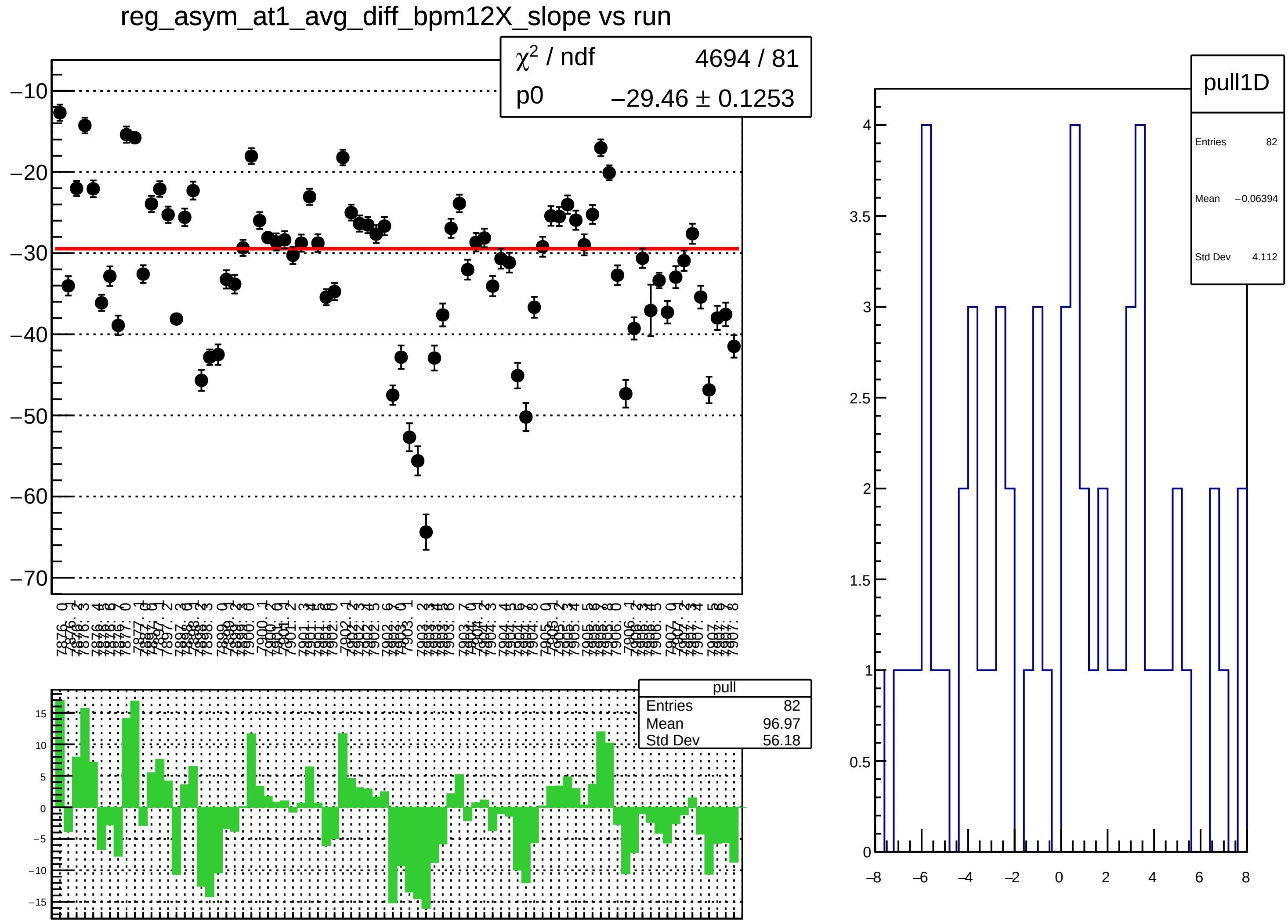
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 105.3 / 81
p0 11.33 ± 2.941
pull
Entries 82
Mean 125.4
Std Dev 83.66
pull1D
Entries 82
Mean 0.1578
Std Dev 1.122

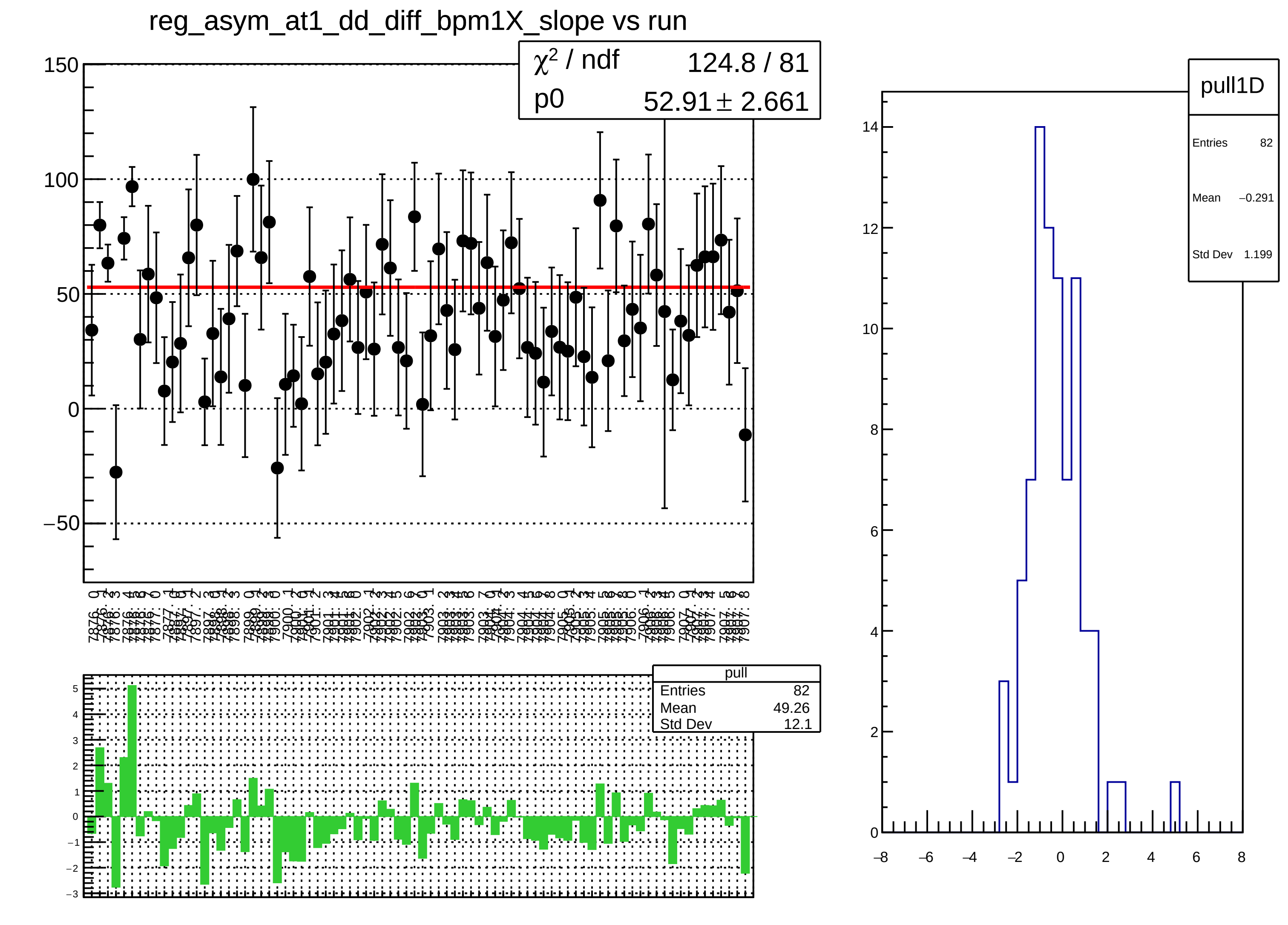


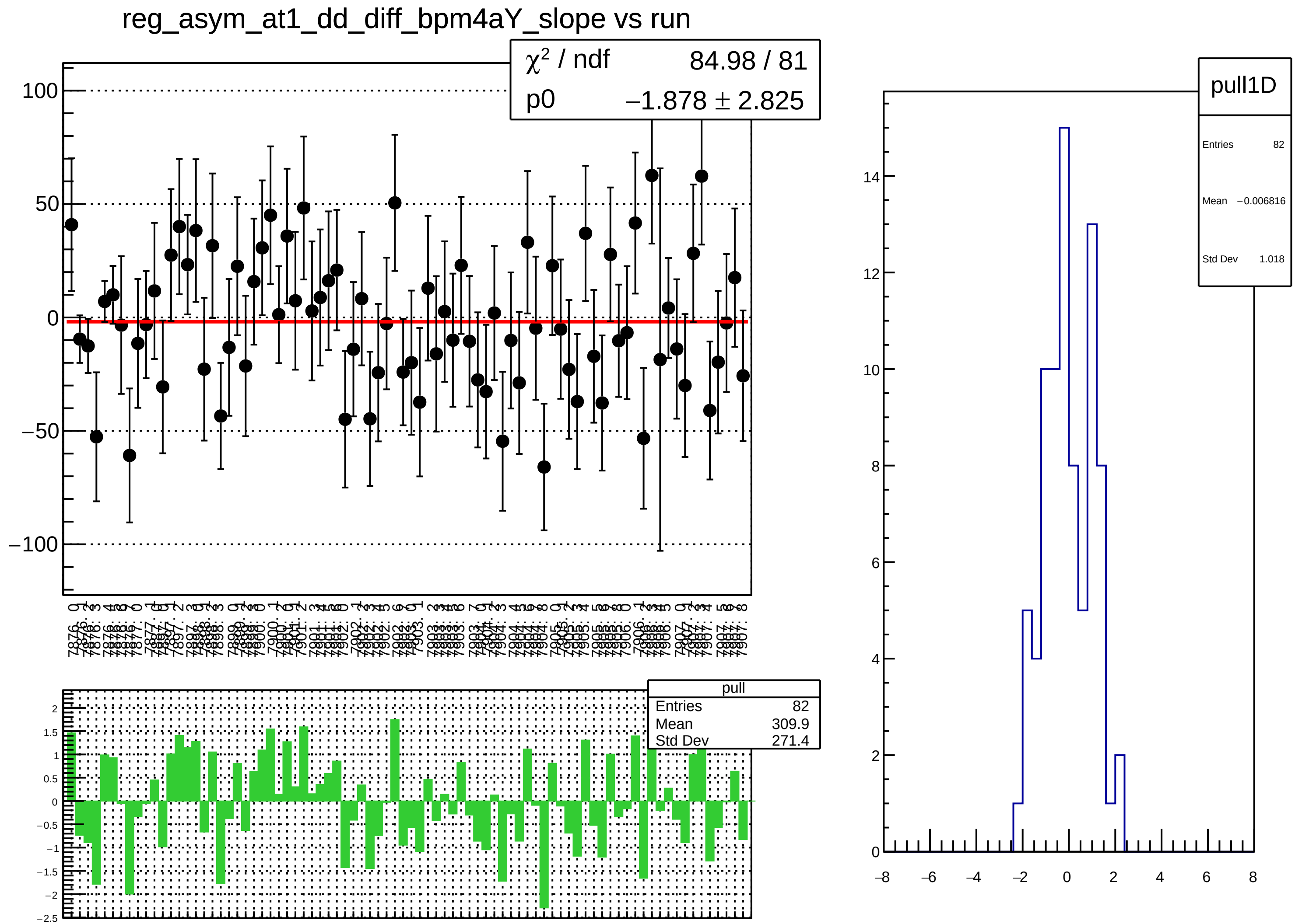
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 259.9 / 81
p0 32.34 ± 2.22
250
200
150
100
50
0
−50
pull
Entries 82
Mean 88.75
Std Dev 45.89
6
4
2
0
−2
−4
−6
pull1D
Entries 82
Mean 0.2653
Std Dev 1.76
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



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

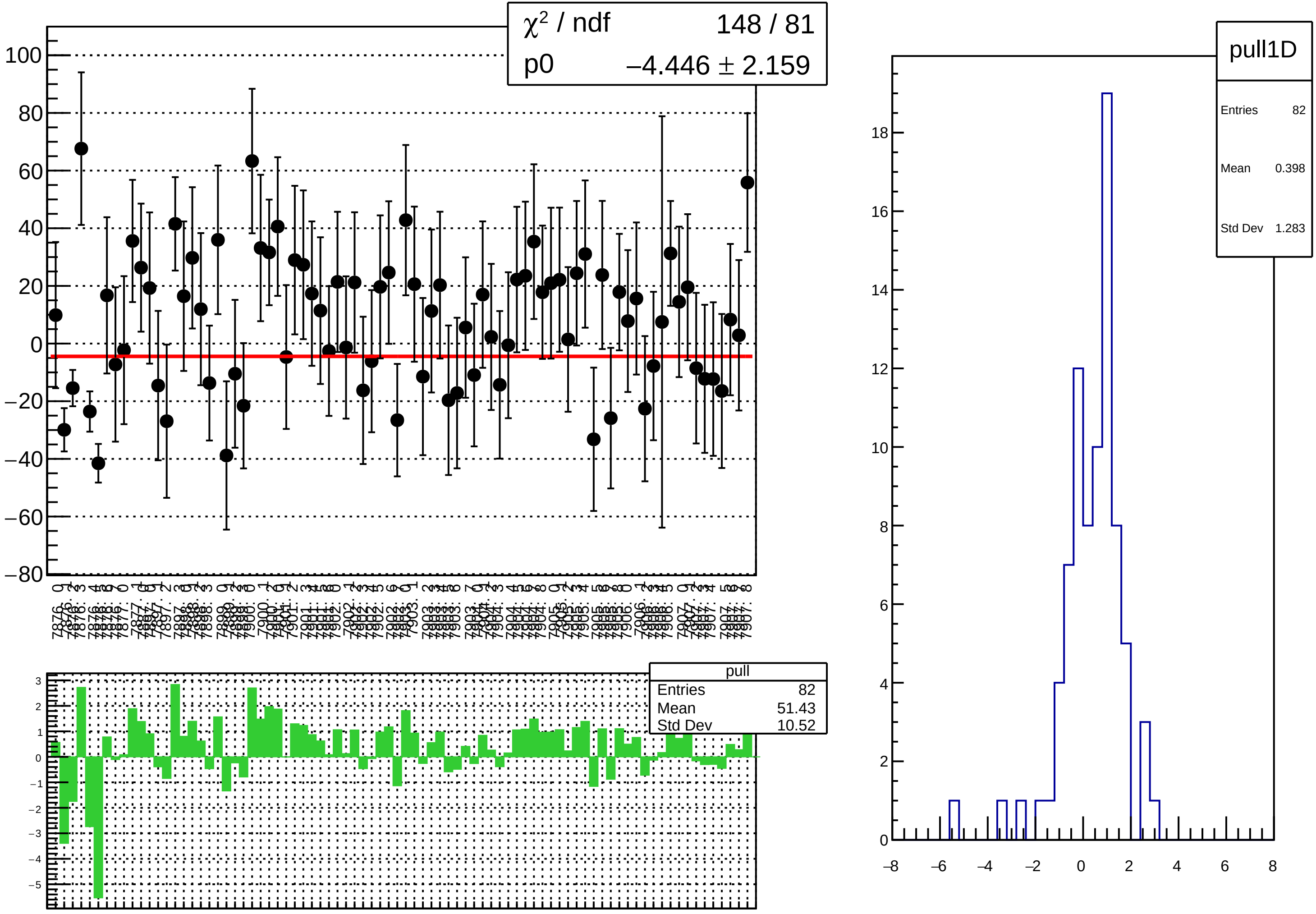

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ2 / ndf 4694 / 81
p0 −29.46 ± 0.1253
pull
Entries 82
Mean 96.97
Std Dev 56.18
pull1D
Entries 82
Mean −0.06394
Std Dev 4.112


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

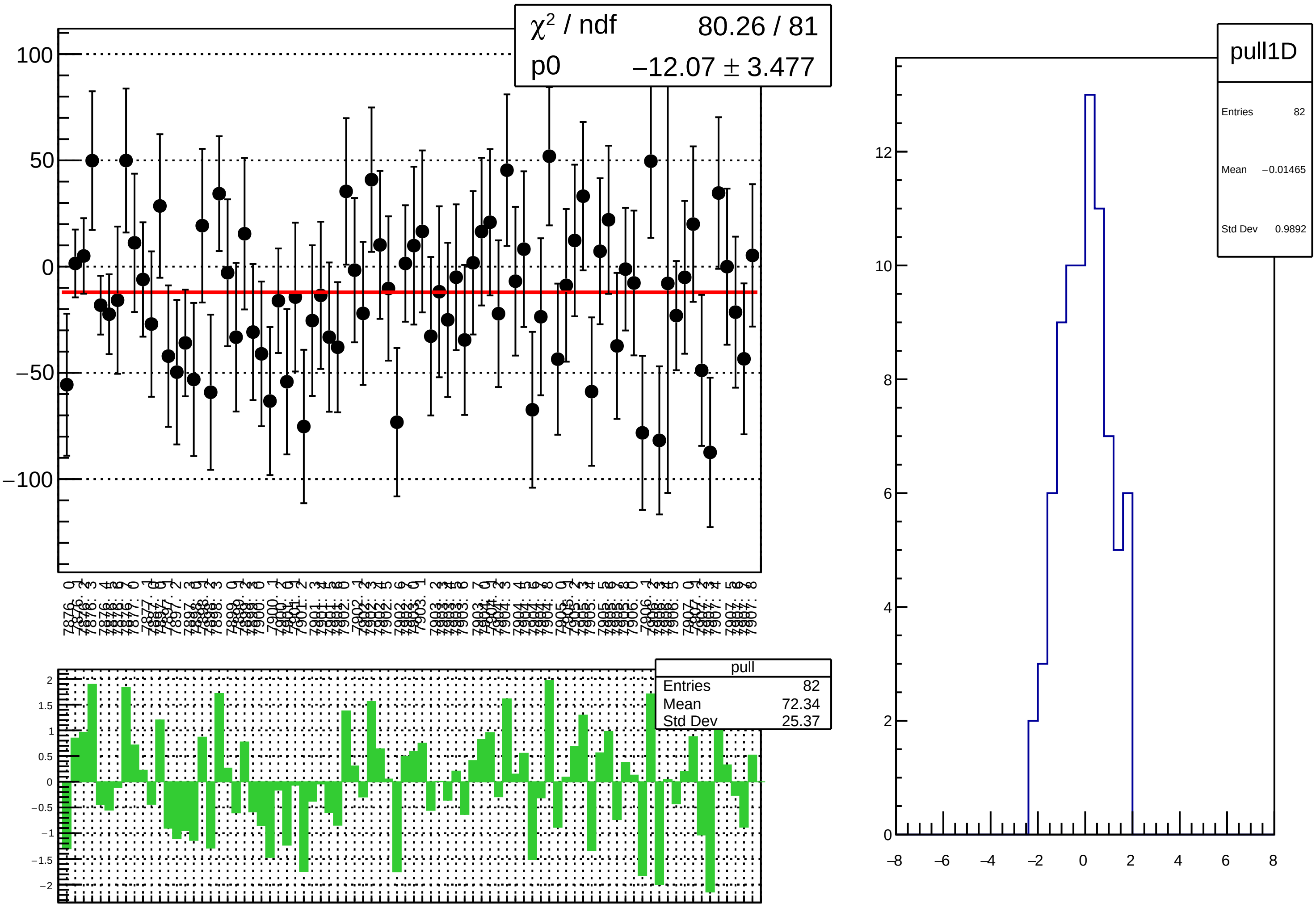


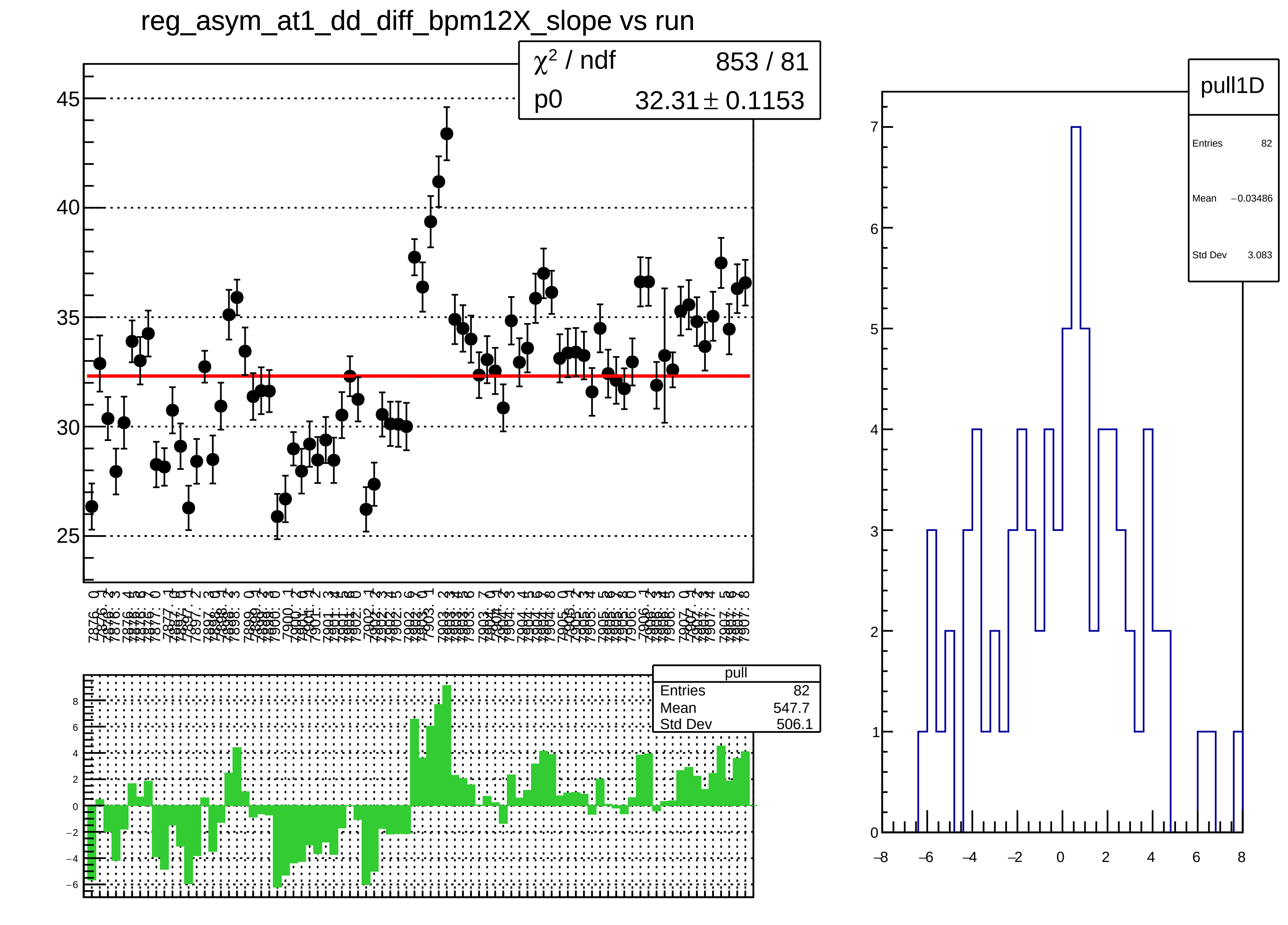
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 84.98 / 81
p0 −1.878 ± 2.825
100
50
0
−50
−100
pull
Entries 82
Mean 309.9
Std Dev 271.4
pull1D
Entries 82
Mean −0.006816
Std Dev 1.018

reg_asym_at1_dd_diff_bpm4eX_slope vs run

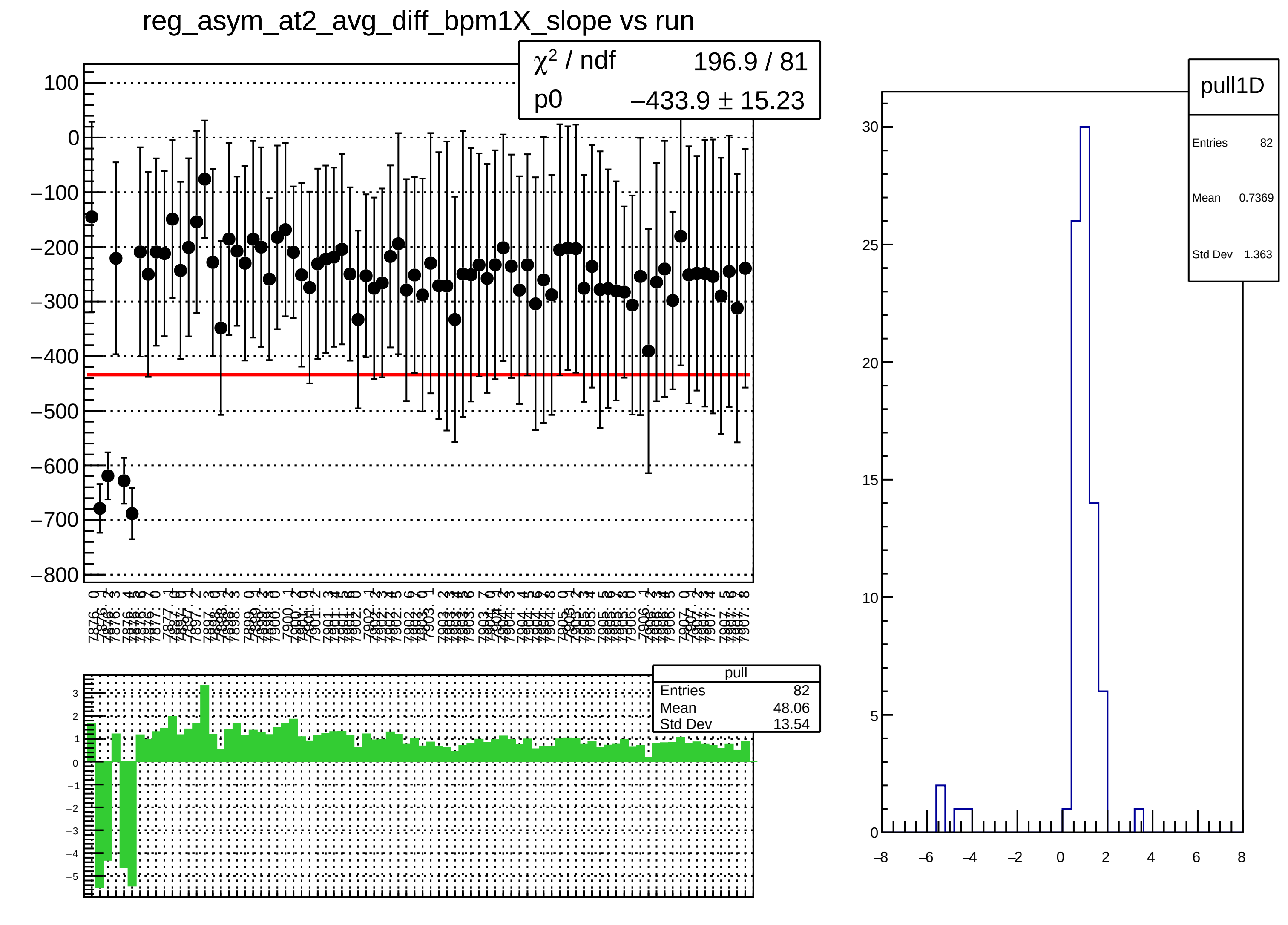


reg_asym_at1_dd_diff_bpm4eY_slope vs run

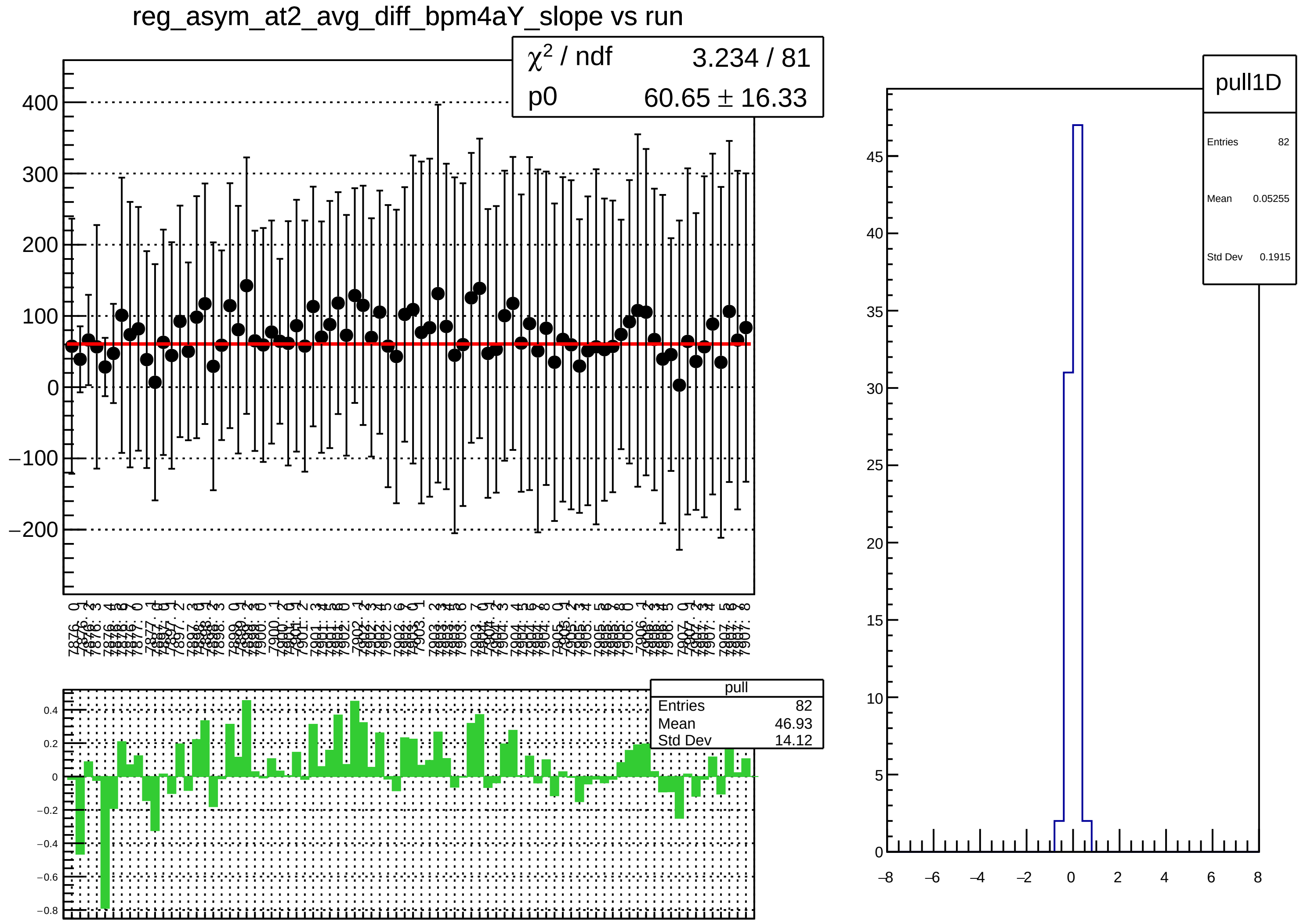




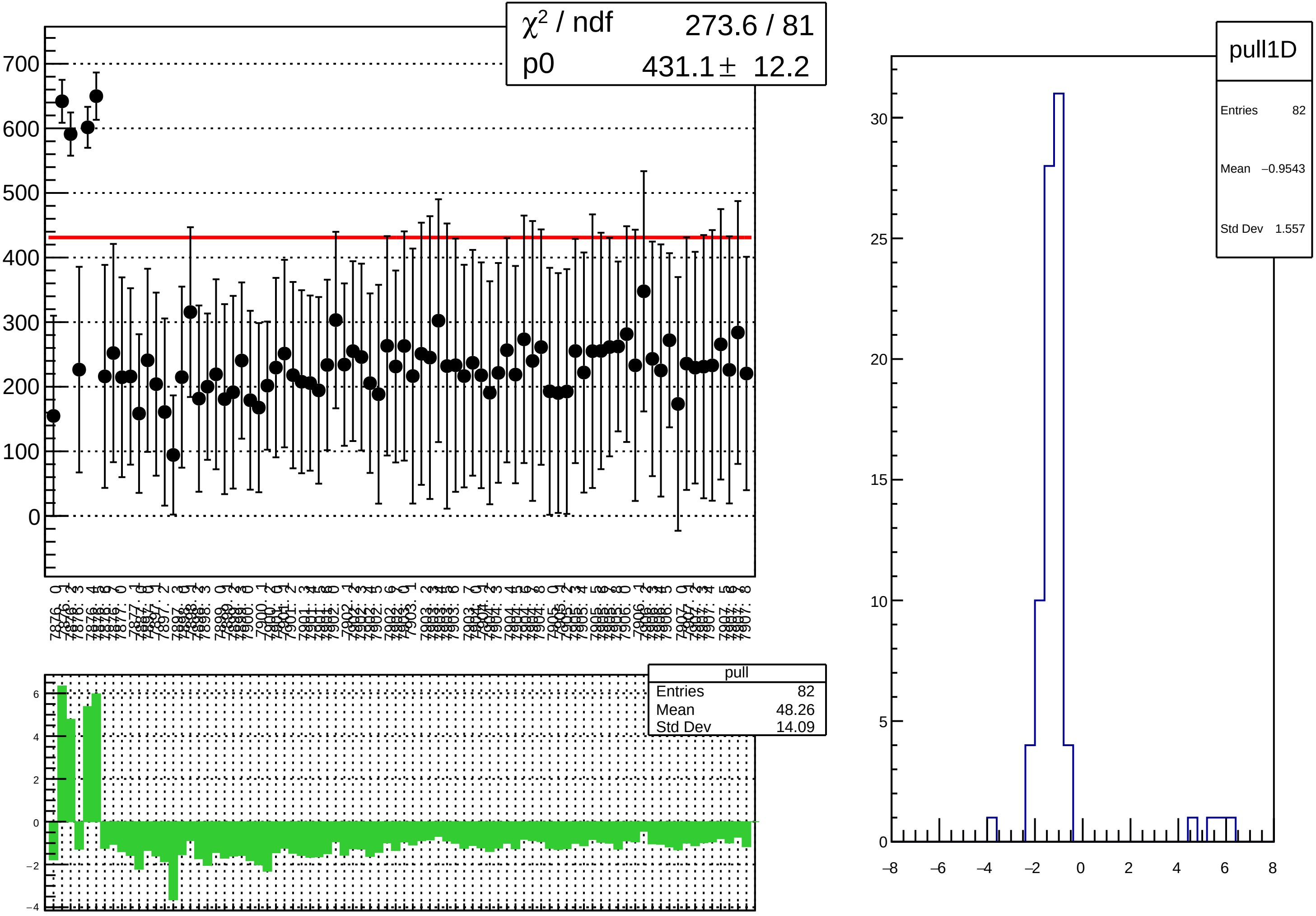
reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 853 / 81
p0 32.31 ± 0.1153
45
40
35
30
25
pull
Entries 82
Mean 547.7
Std Dev 506.1
pull1D
Entries 82
Mean −0.03486
Std Dev 3.083

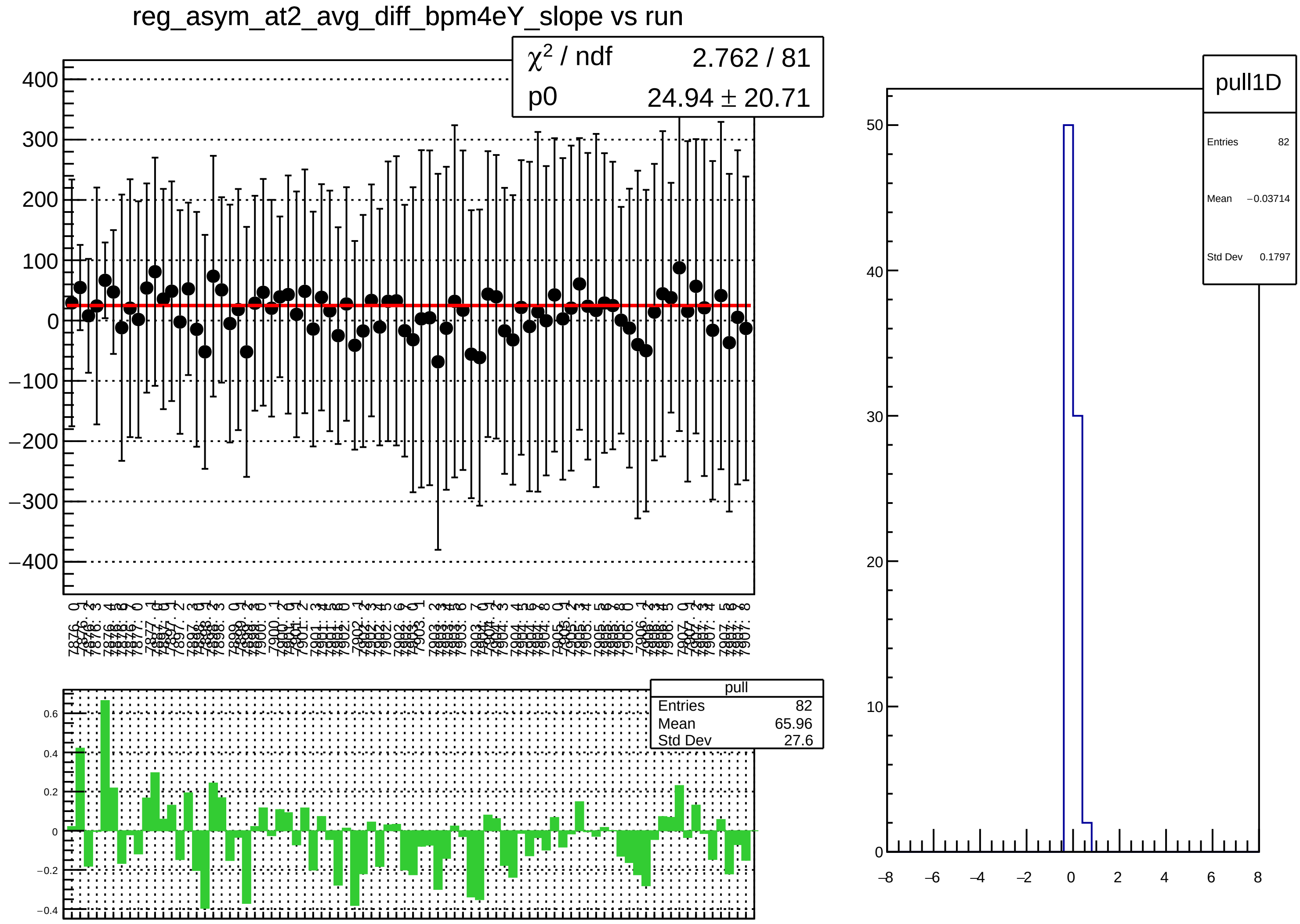


reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 196.9 / 81
p0 −433.9 ± 15.23
pull
Entries 82
Mean 48.06
Std Dev 13.54
pull1D
Entries 82
Mean 0.7369
Std Dev 1.363

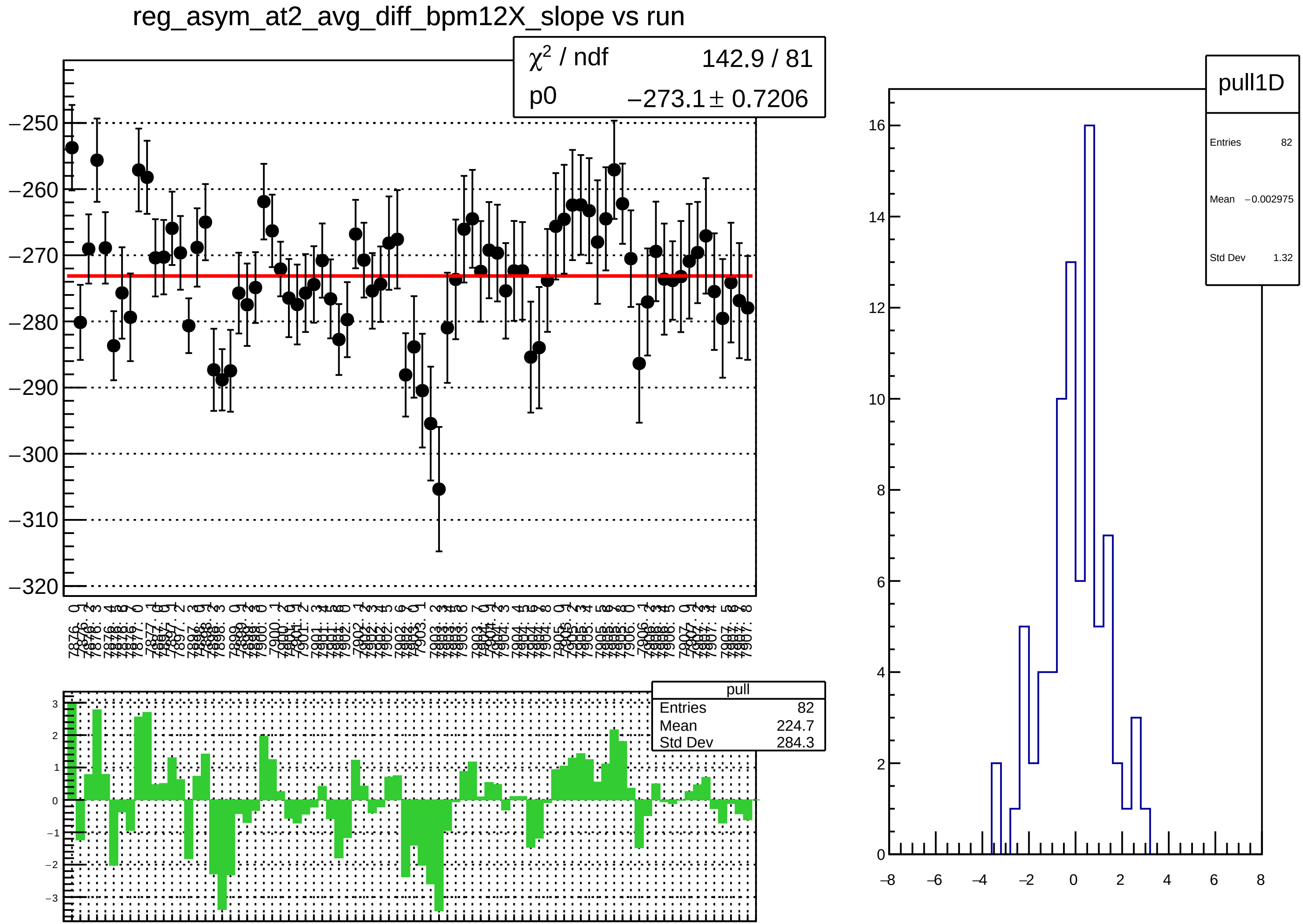

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 3.234 / 81
p0 60.65 ± 16.33
pull
Entries 82
Mean 46.93
Std Dev 14.12
pull1D
Entries 82
Mean 0.05255
Std Dev 0.1915

reg_asym_at2_avg_diff_bpm4eX_slope vs run

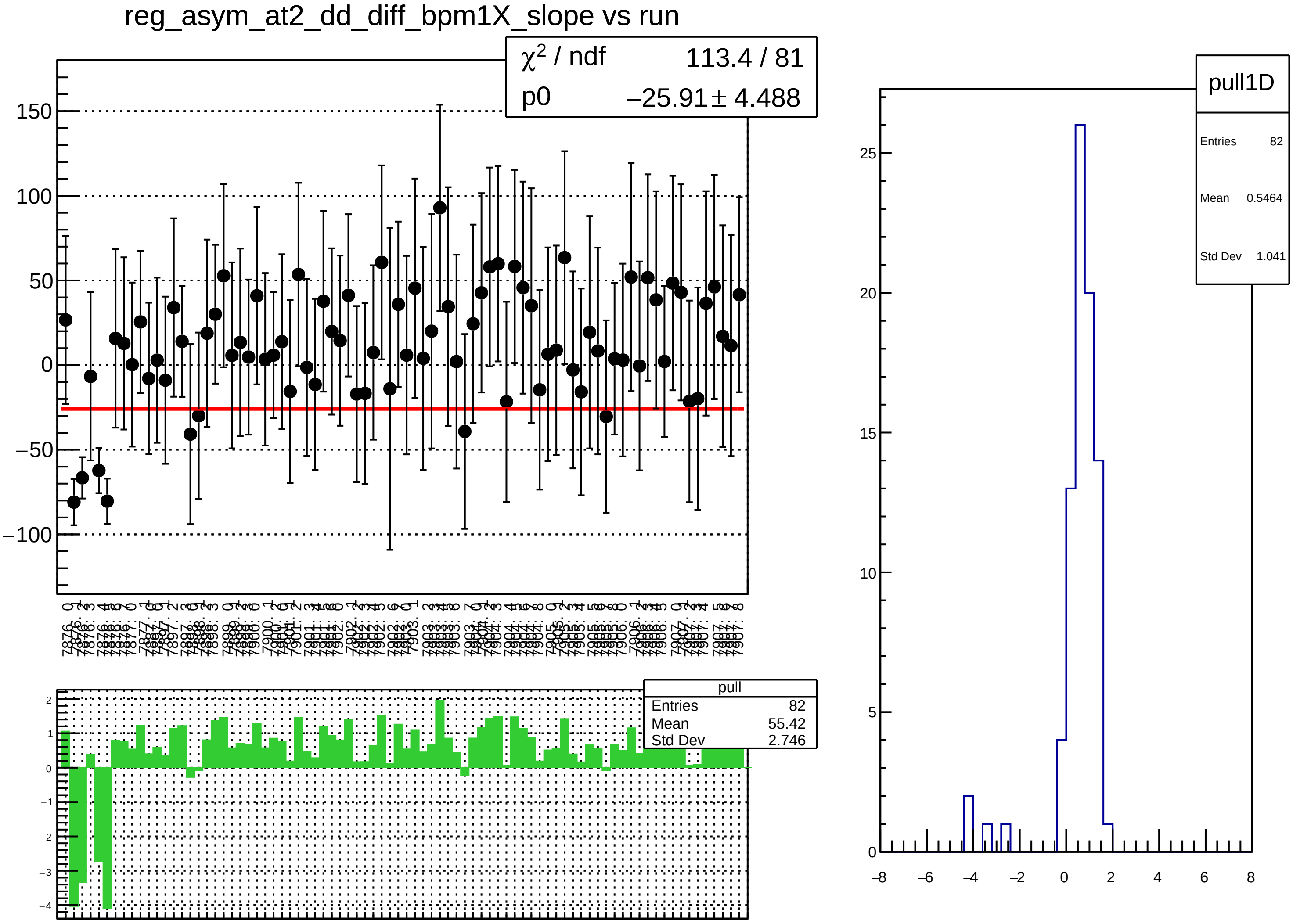


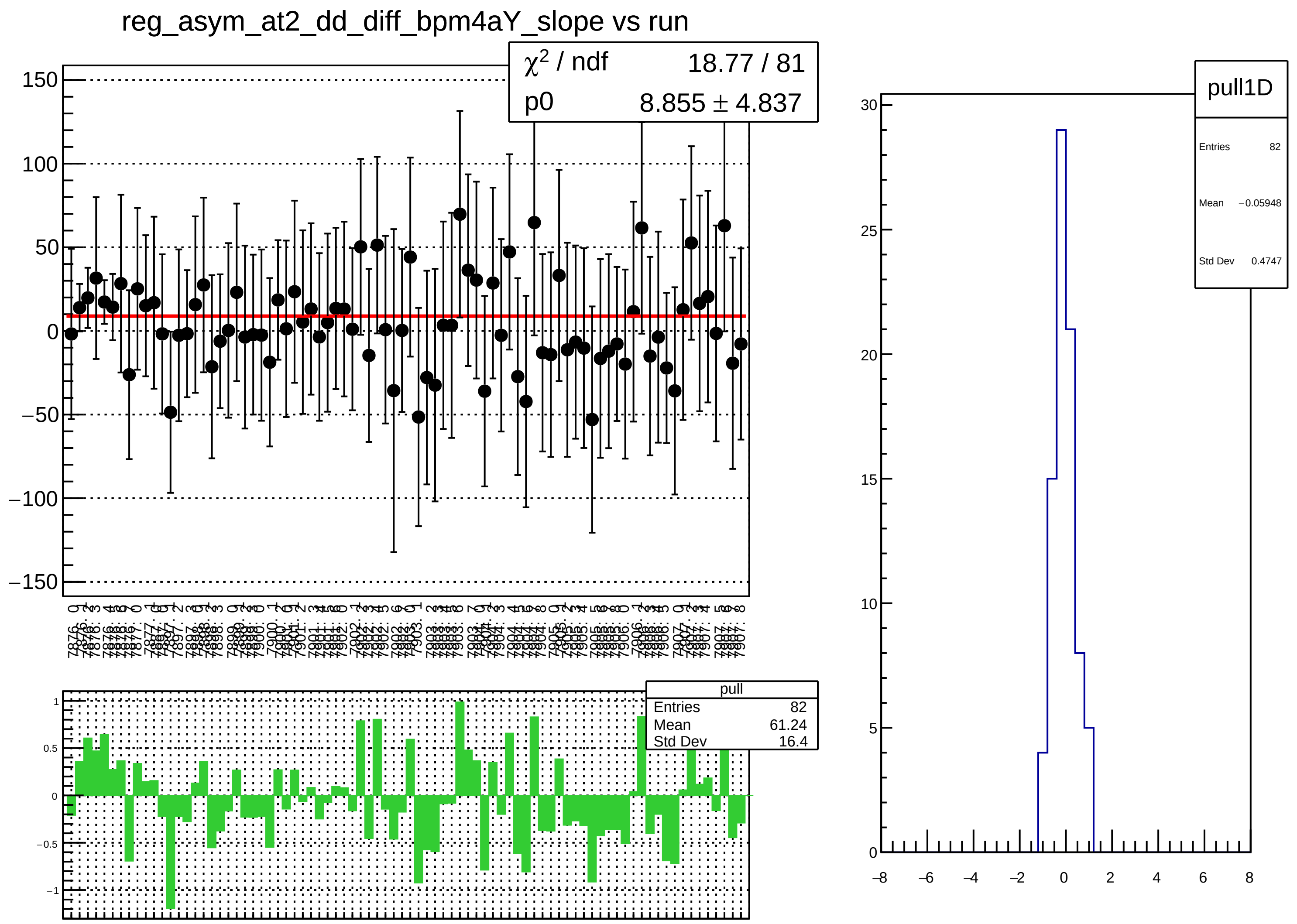


reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.762 / 81
p0 24.94 ± 20.71
pull
Entries 82
Mean 65.96
Std Dev 27.6
pull1D
Entries 82
Mean −0.03714
Std Dev 0.1797



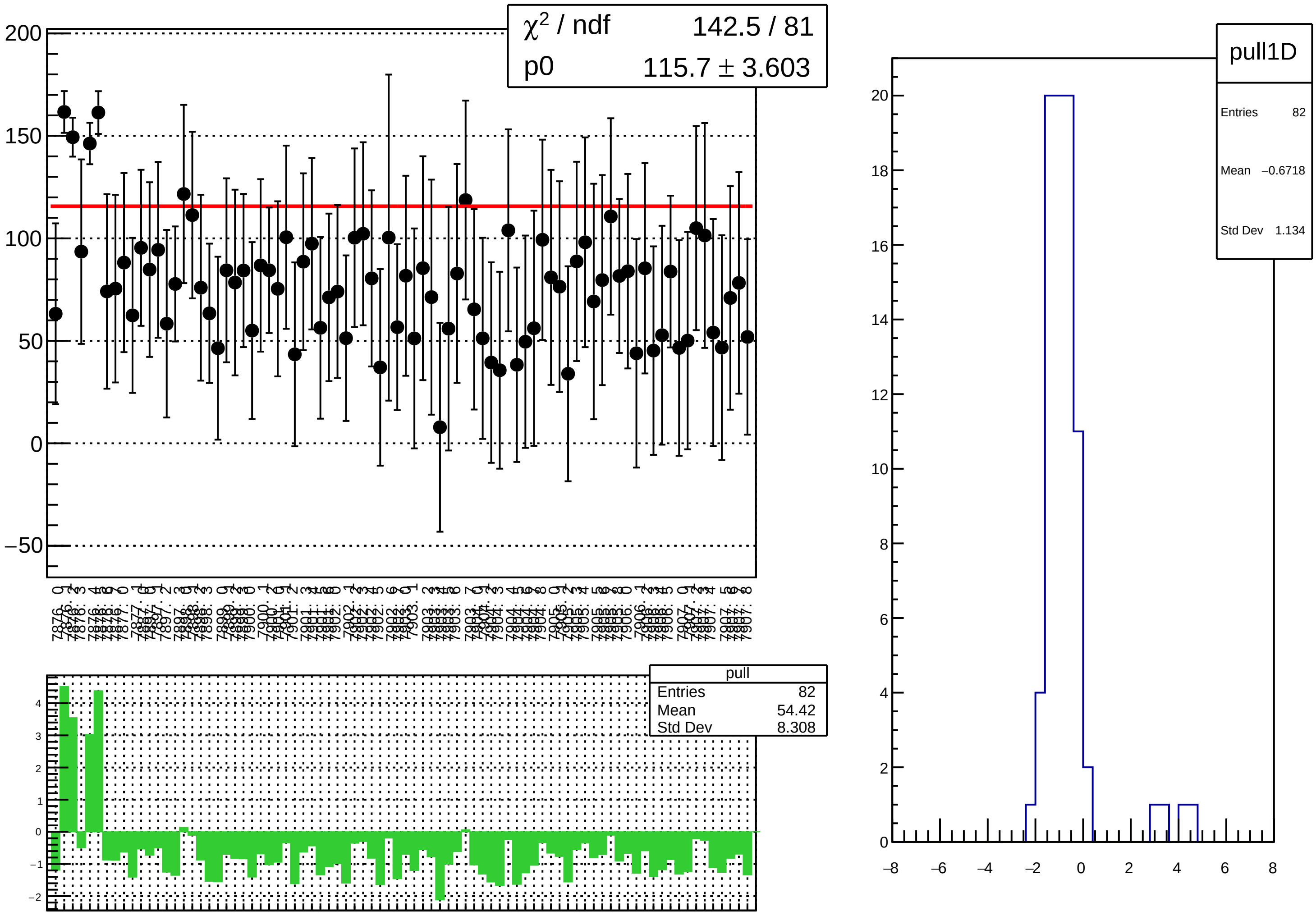
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 142.9 / 81
p0 −273.1 ± 0.7206
−250
−260
−270
−280
−290
−300
−310
−320
pull
Entries 82
Mean 224.7
Std Dev 284.3
pull1D
Entries 82
Mean −0.002975
Std Dev 1.32

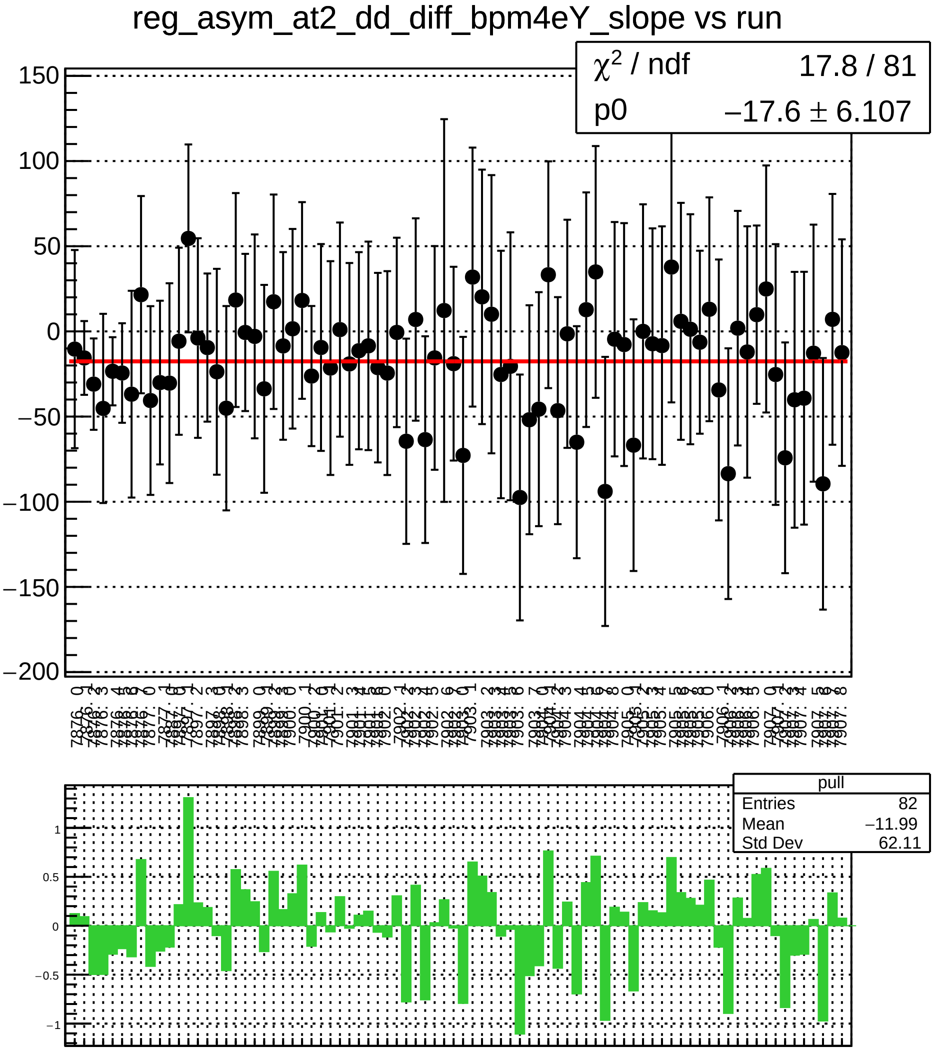

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 113.4 / 81
p0 −25.91 ± 4.488
pull
Entries 82
Mean 55.42
Std Dev 2.746
pull1D
Entries 82
Mean 0.5464
Std Dev 1.041

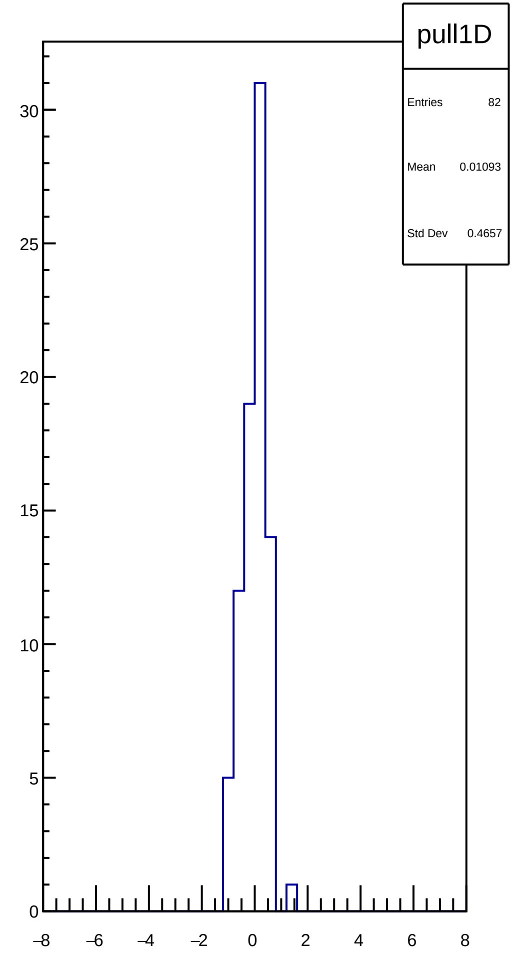


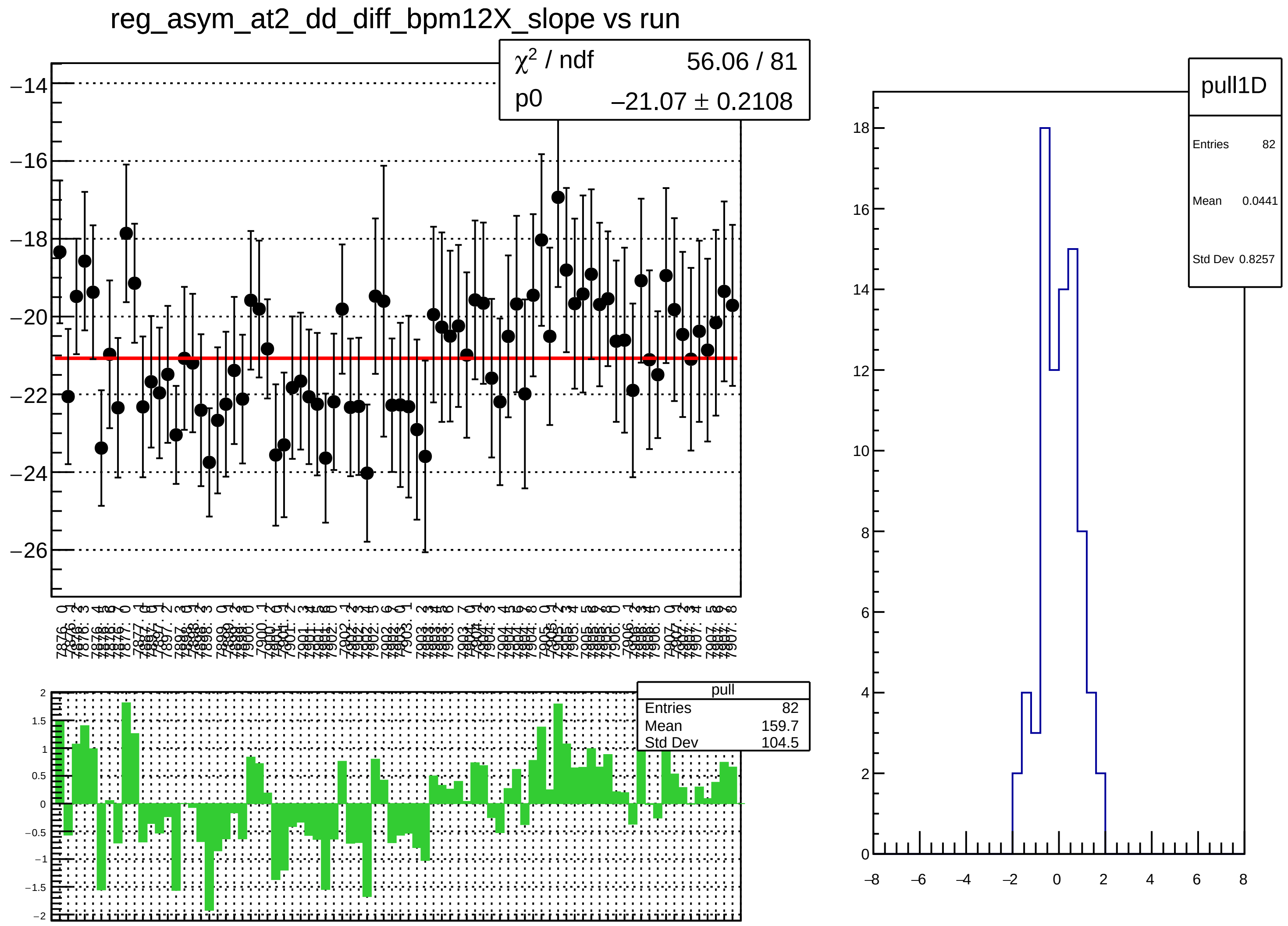
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 18.77 / 81
p0 8.855 ± 4.837
pull
Entries 82
Mean 61.24
Std Dev 16.4
pull1D
Entries 82
Mean −0.05948
Std Dev 0.4747

reg_asym_at2_dd_diff_bpm4eX_slope vs run



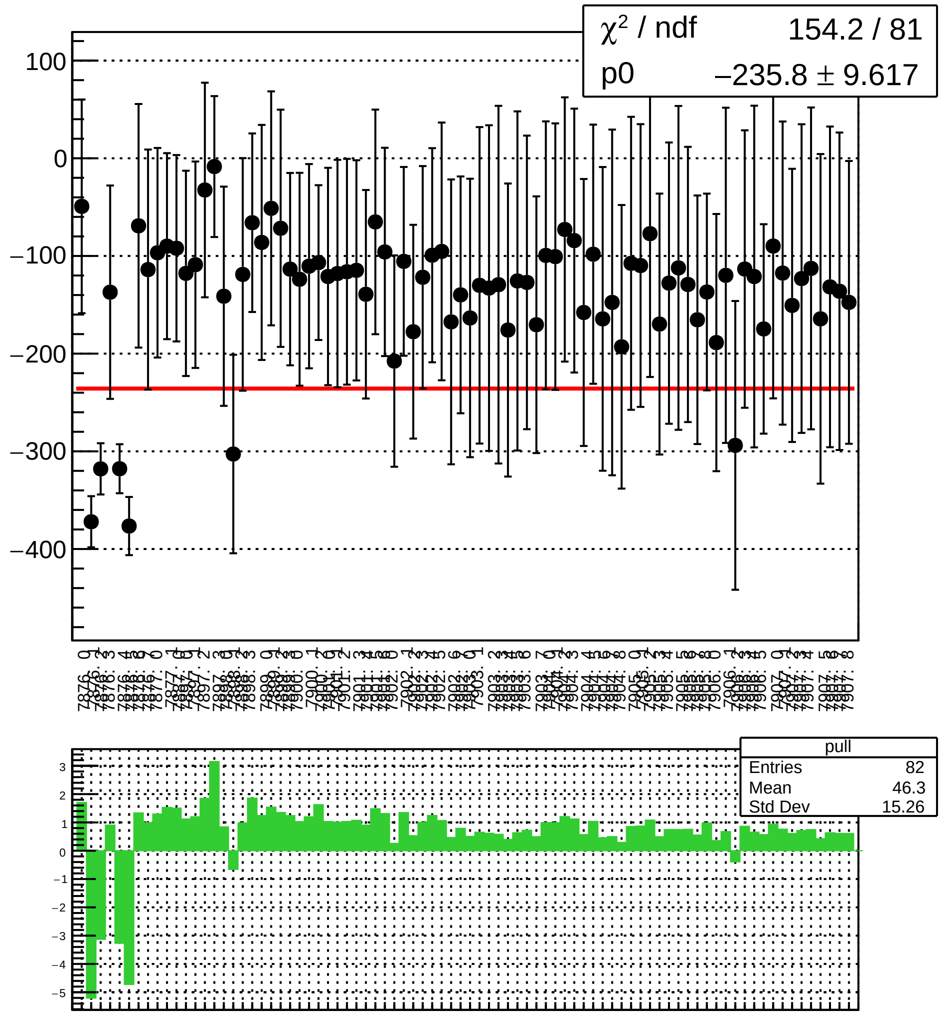

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.8 / 81
p0 −17.6 ± 6.107
pull
Entries 82
Mean −11.99
Std Dev 62.11

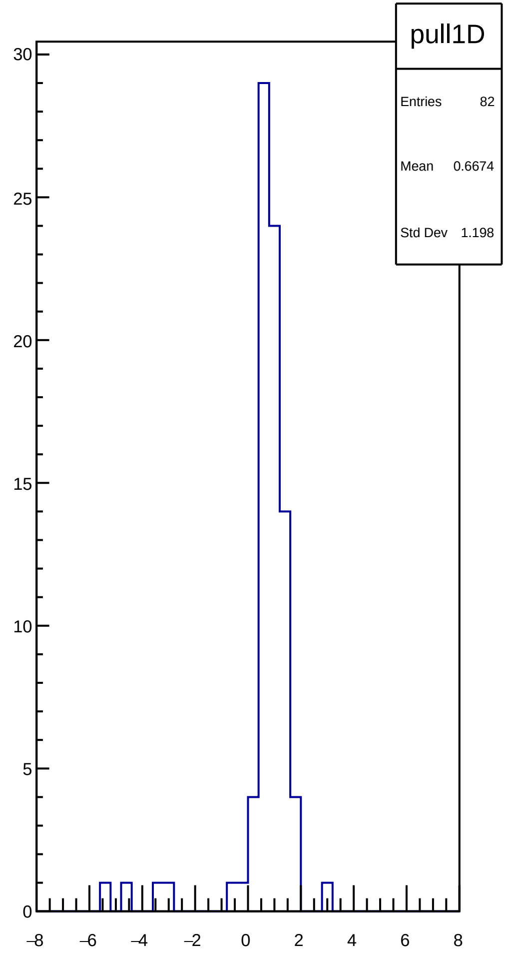

pull1D
Entries 82
Mean 0.01093
Std Dev 0.4657

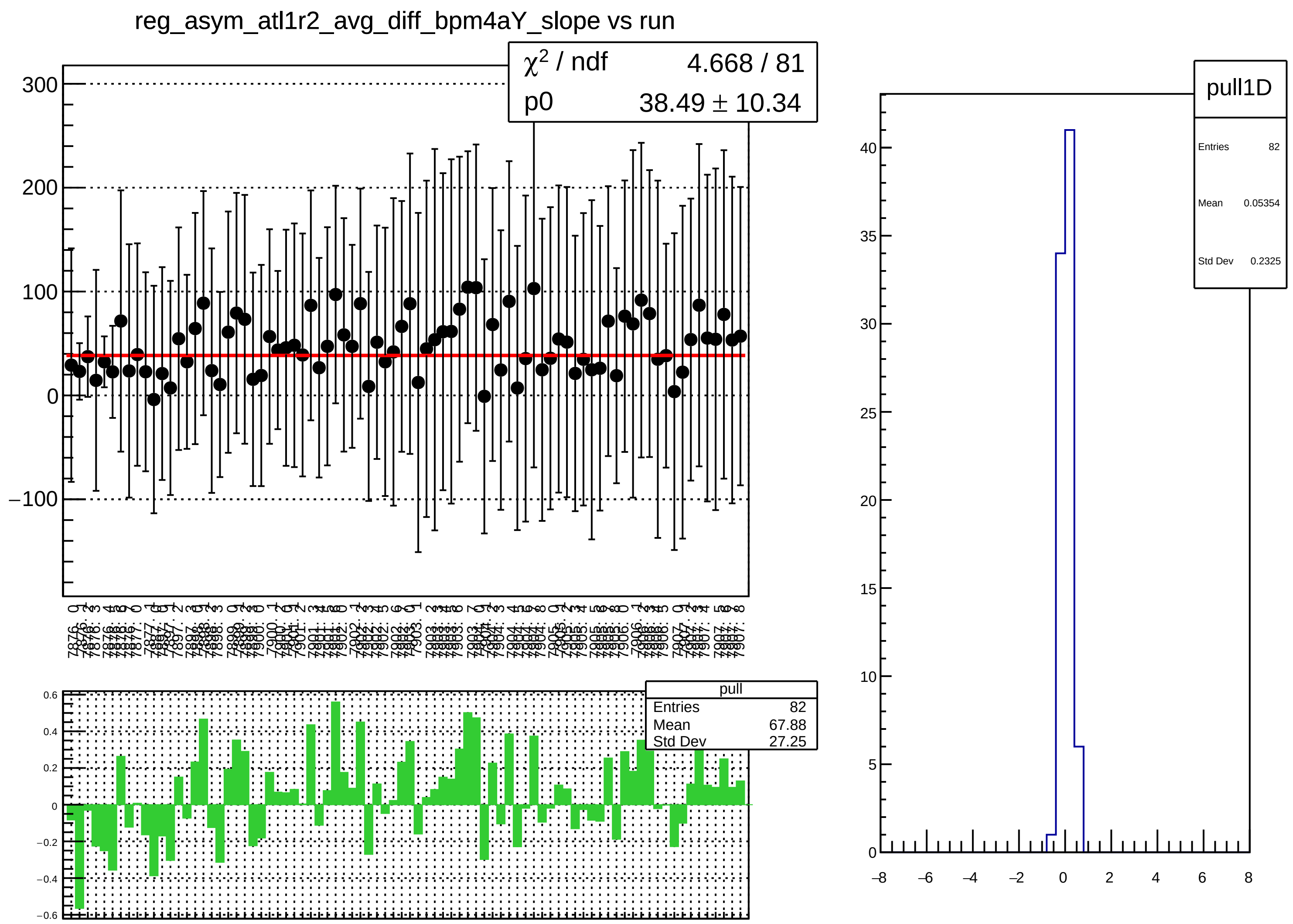


reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 56.06 / 81
p0 −21.07 ± 0.2108
pull
Entries 82
Mean 159.7
Std Dev 104.5
pull1D
Entries 82
Mean 0.0441
Std Dev 0.8257

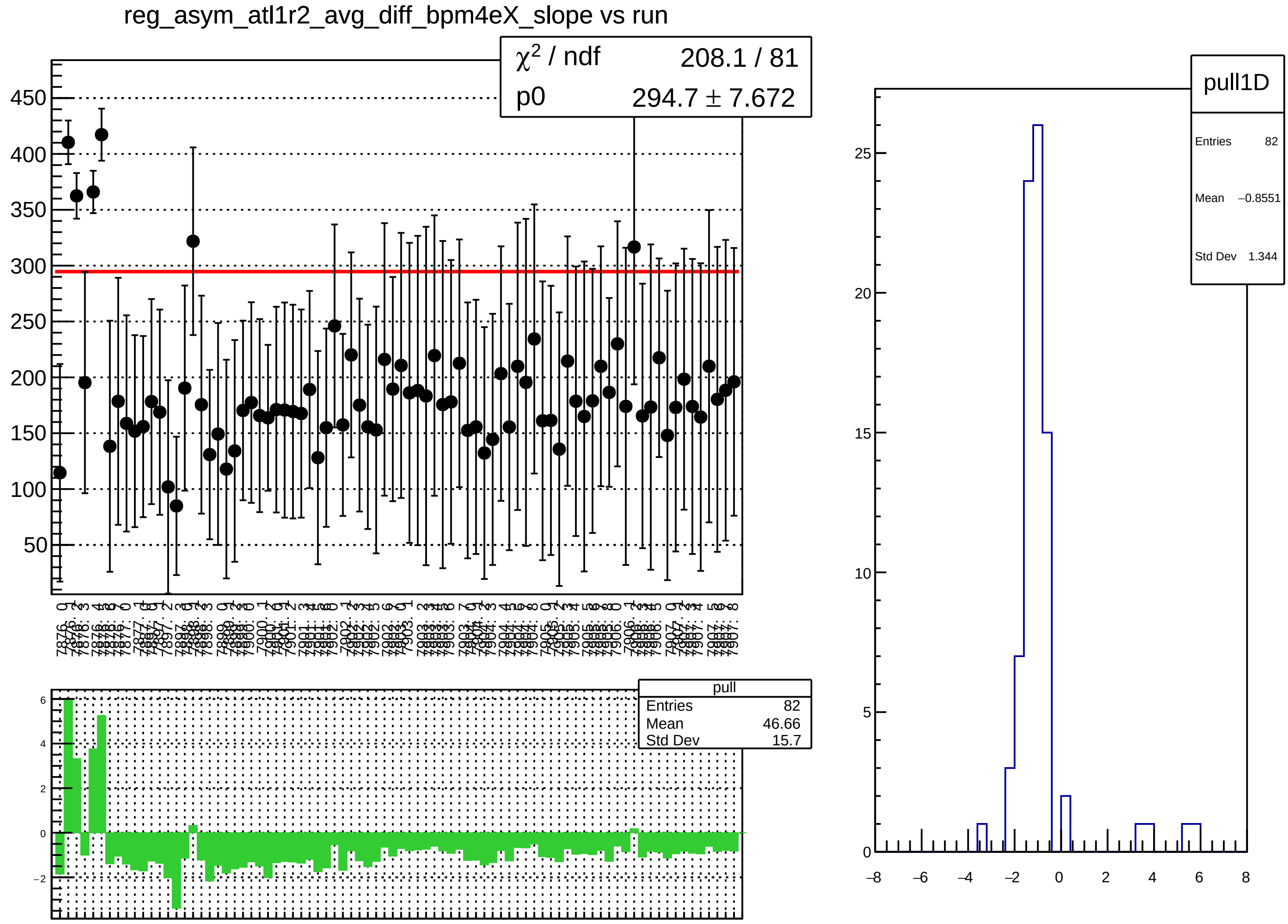
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run

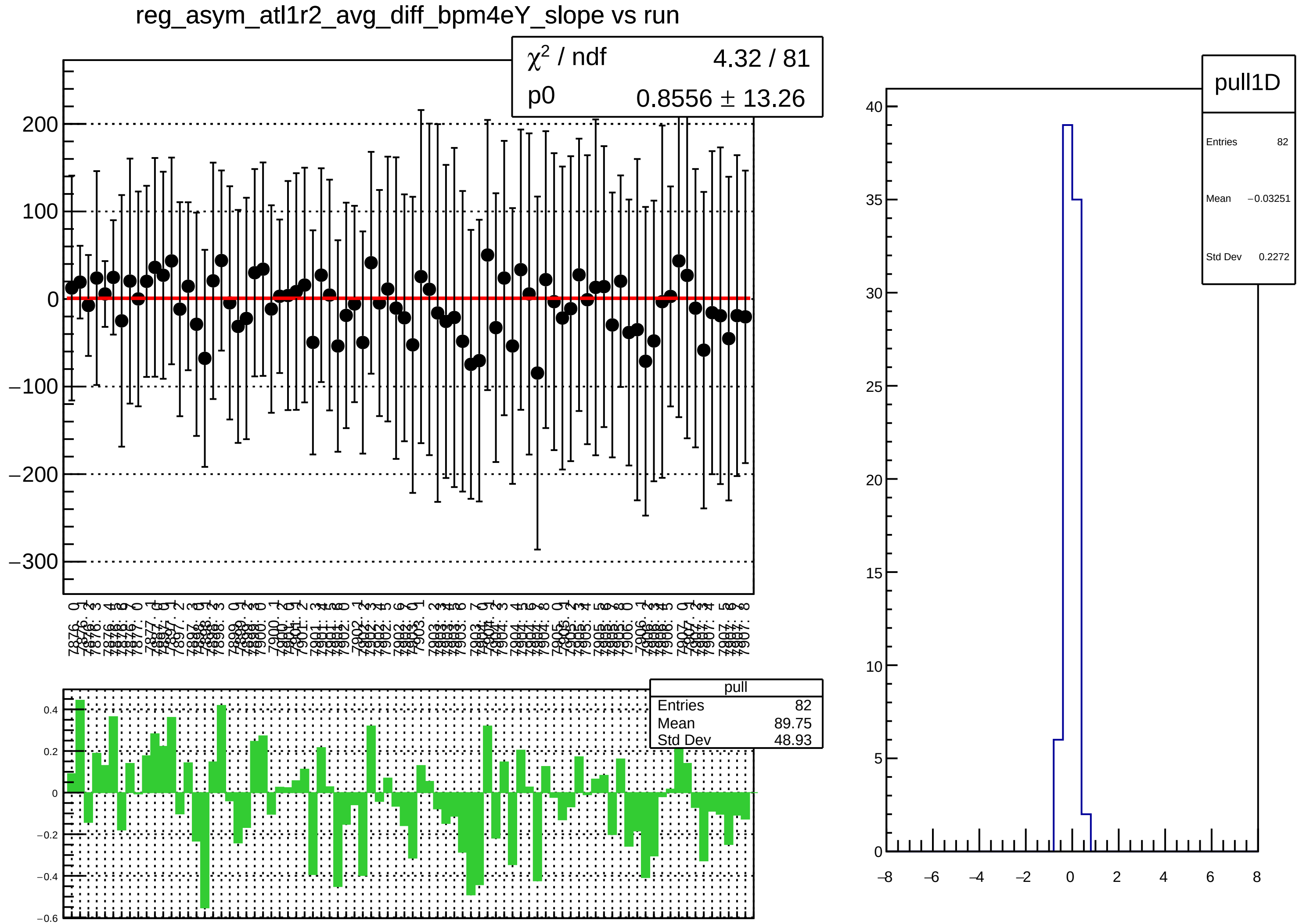


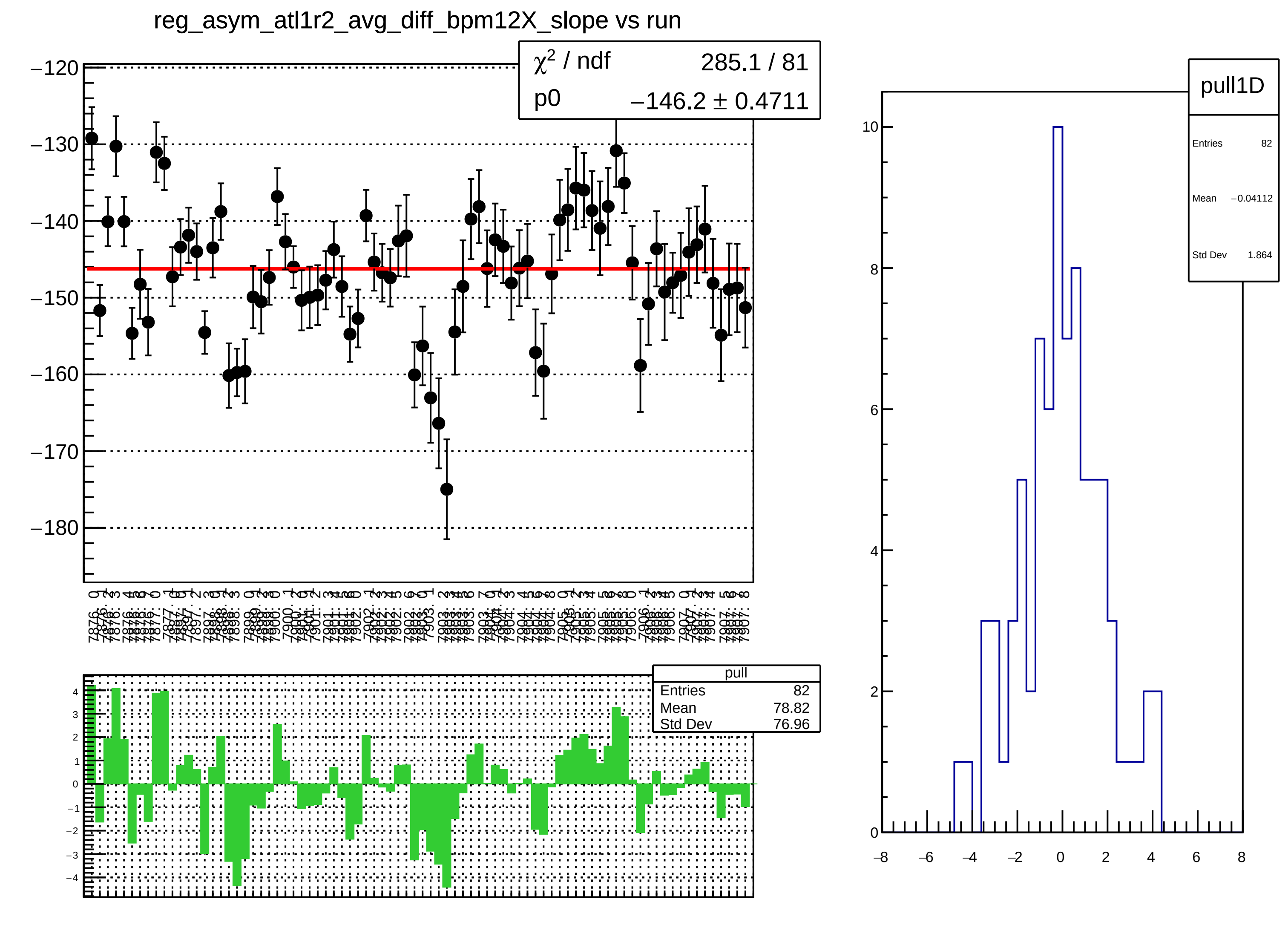




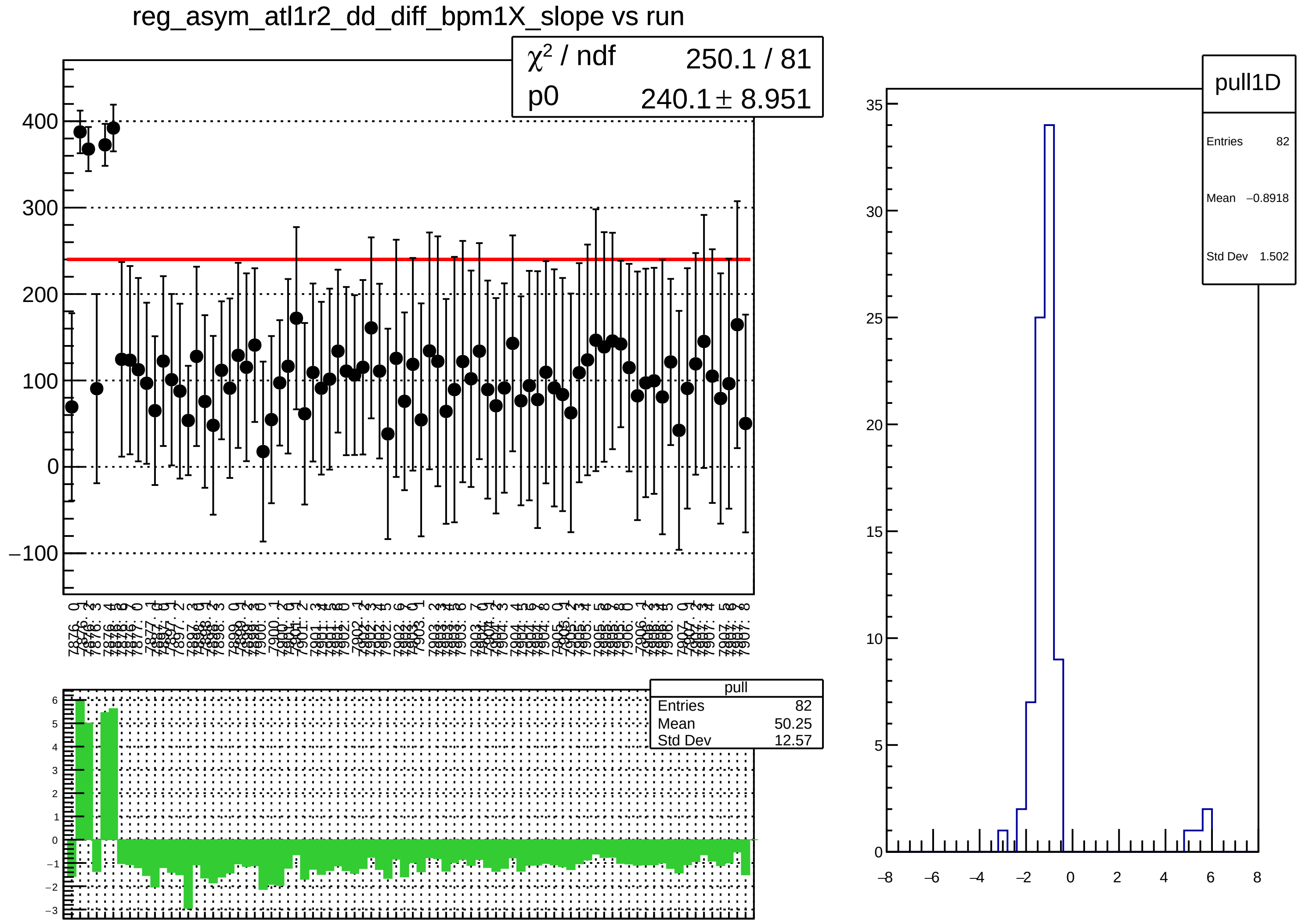
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.668 / 81
p0 38.49 ± 10.34
pull
Entries 82
Mean 67.88
Std Dev 27.25
pull1D
Entries 82
Mean 0.05354
Std Dev 0.2325


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

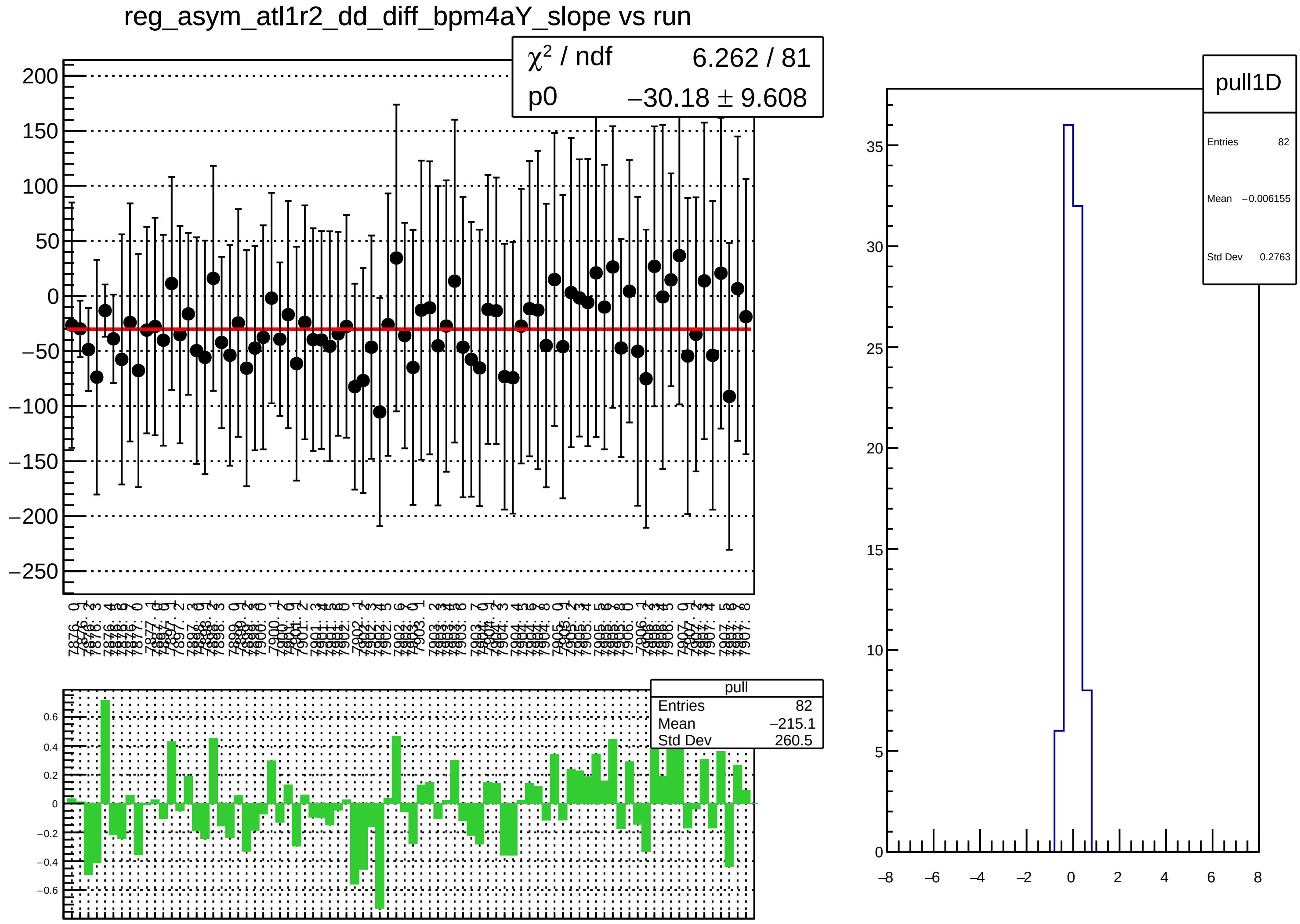

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.32 / 81
p0 0.8556 ± 13.26
pull
Entries 82
Mean 89.75
Std Dev 48.93
pull1D
Entries 82
Mean −0.03251
Std Dev 0.2272



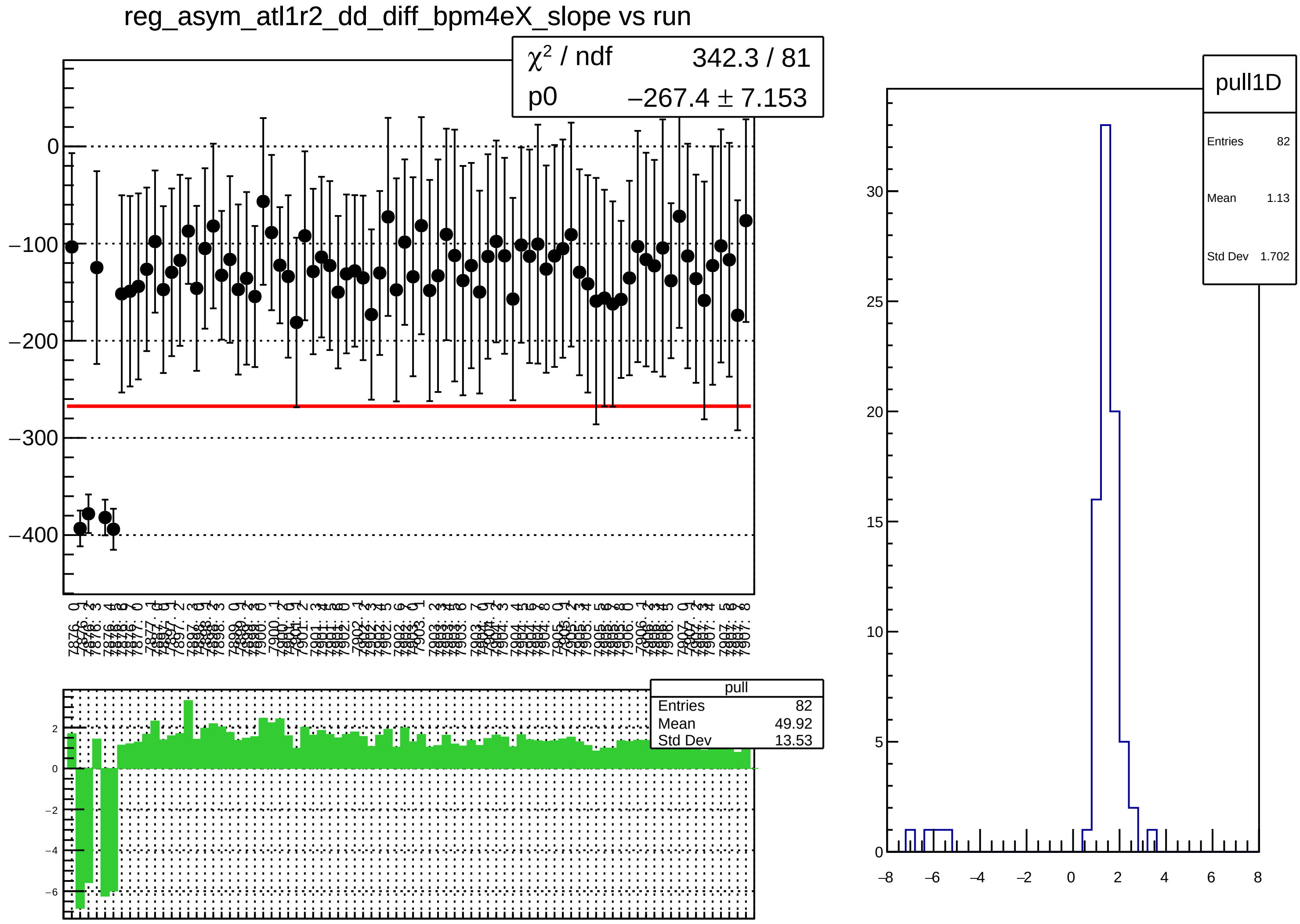
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 285.1 / 81
p0 −146.2 ± 0.4711
−120
−130
−140
−150
−160
−170
−180
pull
Entries 82
Mean 78.82
Std Dev 76.96
pull1D
Entries 82
Mean −0.04112
Std Dev 1.864



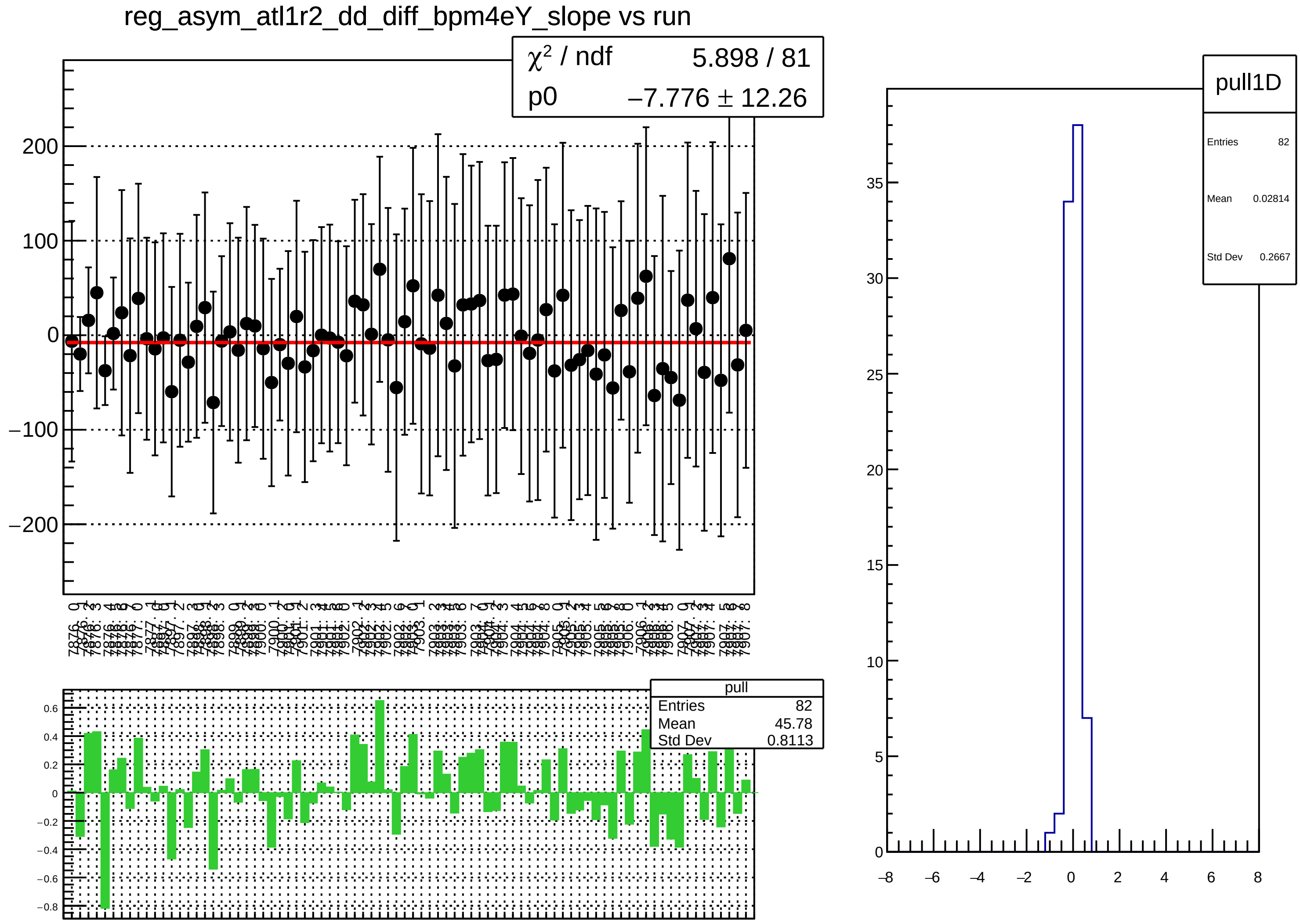
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 250.1 / 81
p0 240.1 ± 8.951
pull
Entries 82
Mean 50.25
Std Dev 12.57
pull1D
Entries 82
Mean −0.8918
Std Dev 1.502

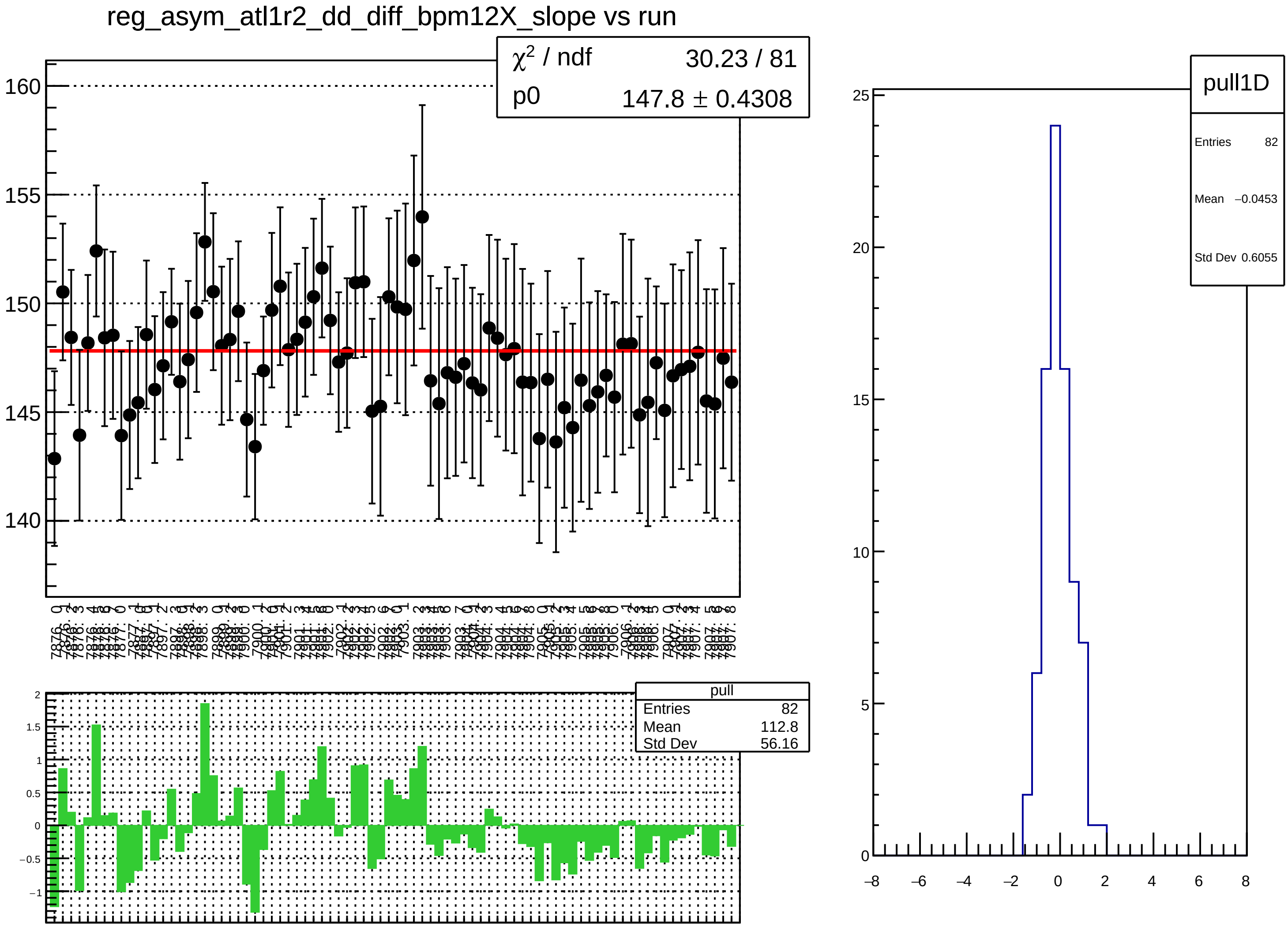


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.262 / 81
p0 −30.18 ± 9.608
pull
Entries 82
Mean −215.1
Std Dev 260.5
pull1D
Entries 82
Mean −0.006155
Std Dev 0.2763

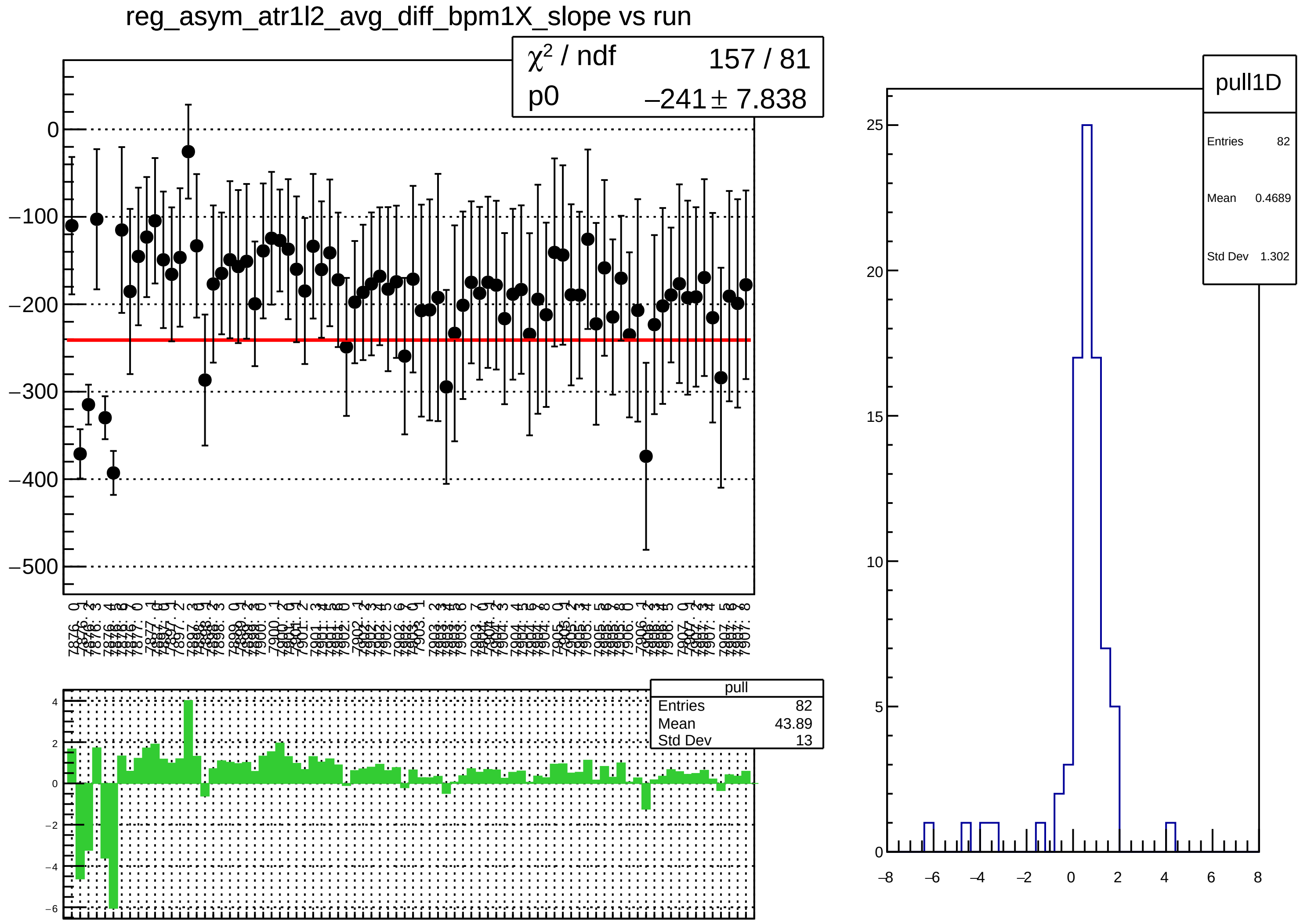


reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 342.3 / 81
p0 −267.4 ± 7.153
pull
Entries 82
Mean 49.92
Std Dev 13.53
pull1D
Entries 82
Mean 1.13
Std Dev 1.702

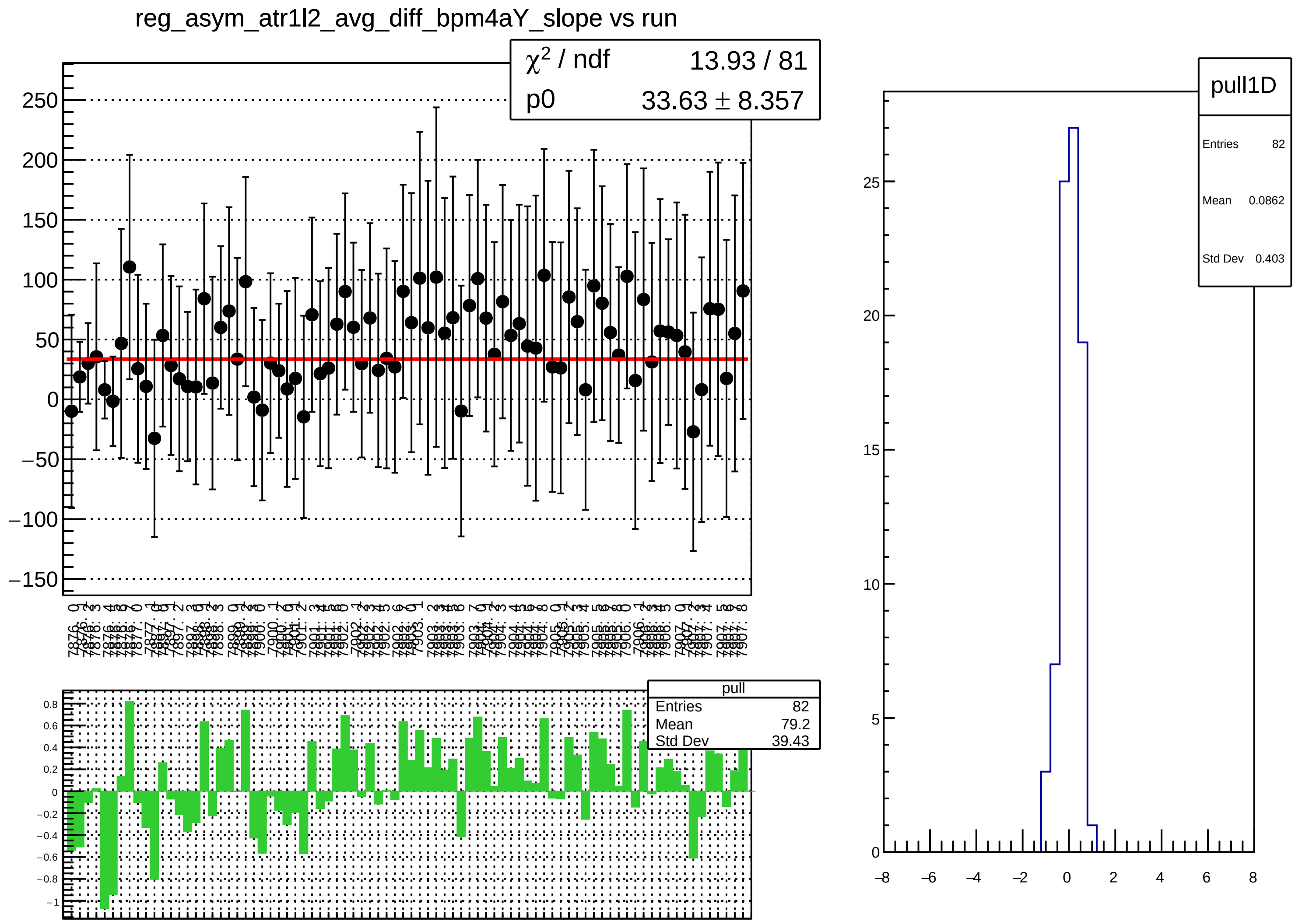

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.898 / 81
p0 −7.776 ± 12.26
pull
Entries 82
Mean 45.78
Std Dev 0.8113
pull1D
Entries 82
Mean 0.02814
Std Dev 0.2667



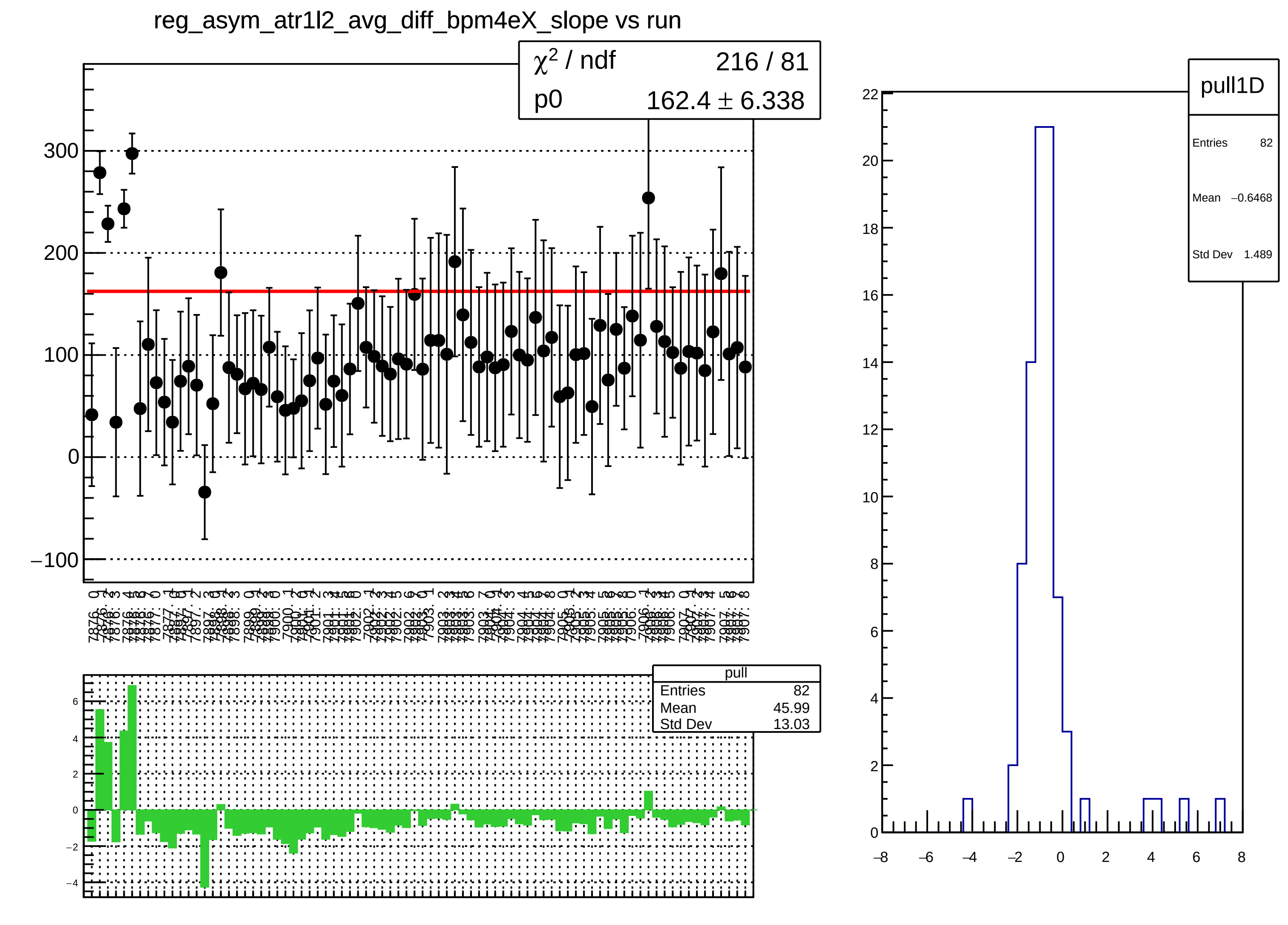
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 30.23 / 81
p0 147.8 ± 0.4308
pull
Entries 82
Mean 112.8
Std Dev 56.16
pull1D
Entries 82
Mean −0.0453
Std Dev 0.6055

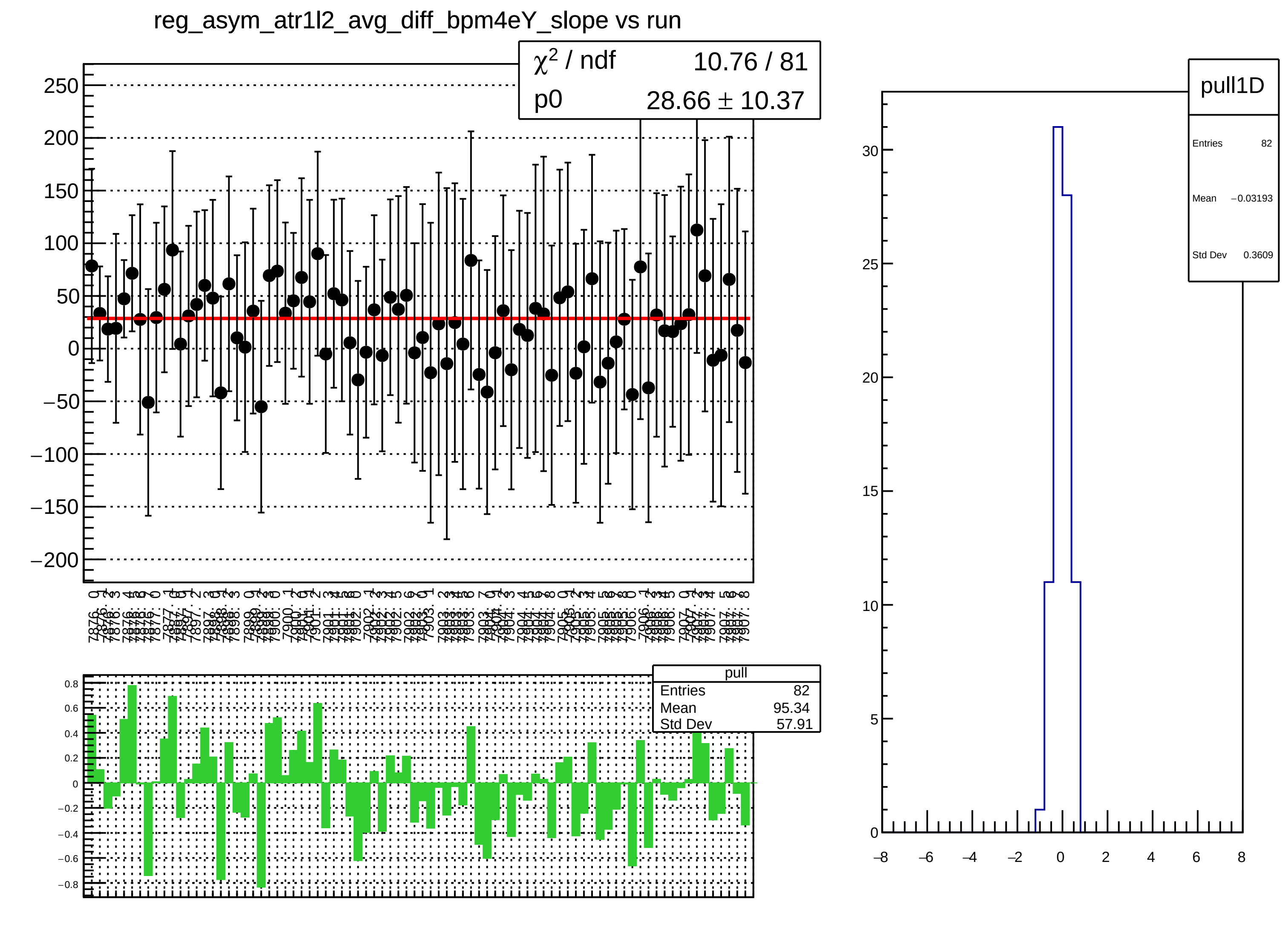


reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 157 / 81
p0 −241 ± 7.838
pull
Entries 82
Mean 43.89
Std Dev 13
pull1D
Entries 82
Mean 0.4689
Std Dev 1.302

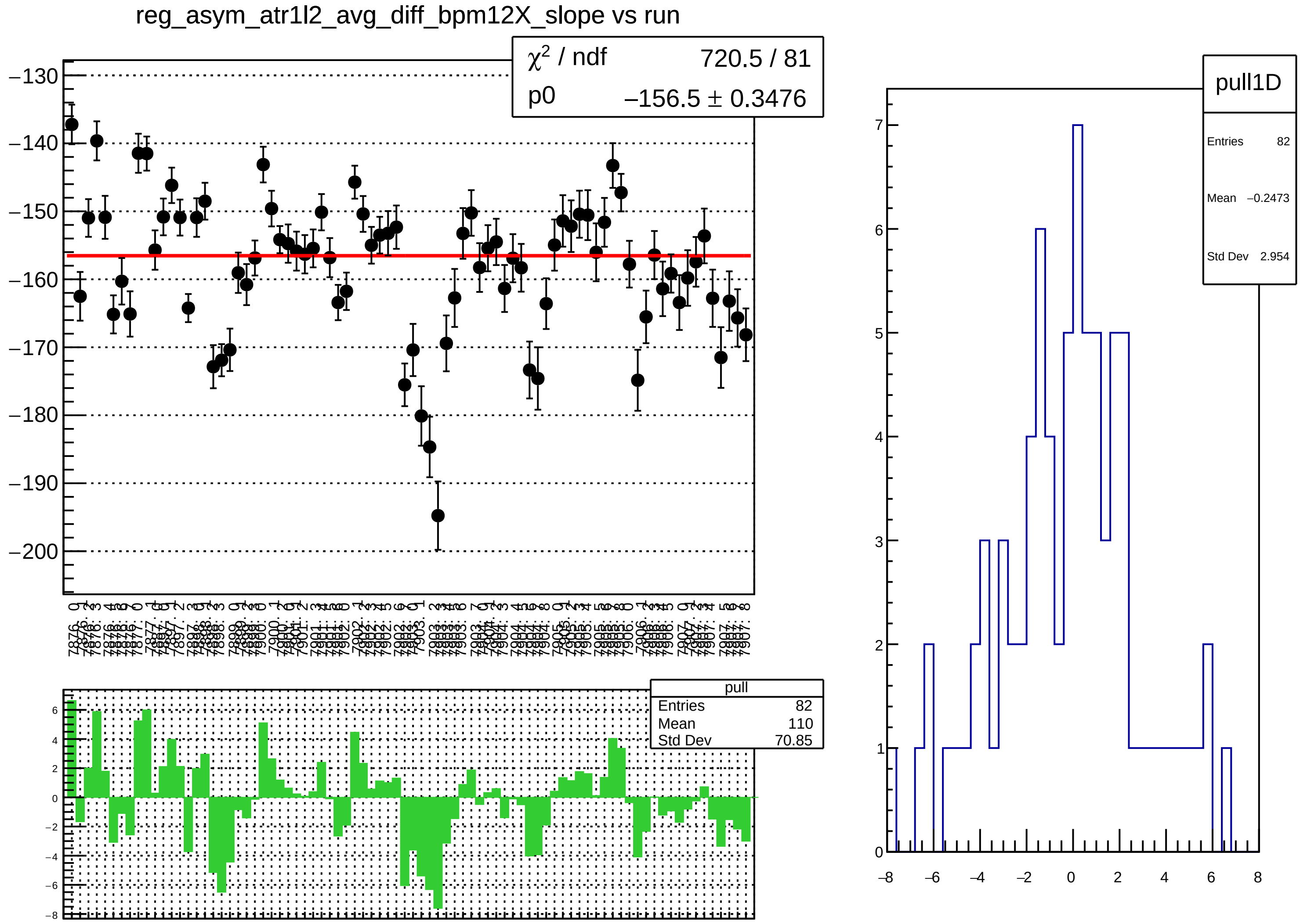


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 13.93 / 81
p0 33.63 ± 8.357
pull
Entries 82
Mean 79.2
Std Dev 39.43
pull1D
Entries 82
Mean 0.0862
Std Dev 0.403

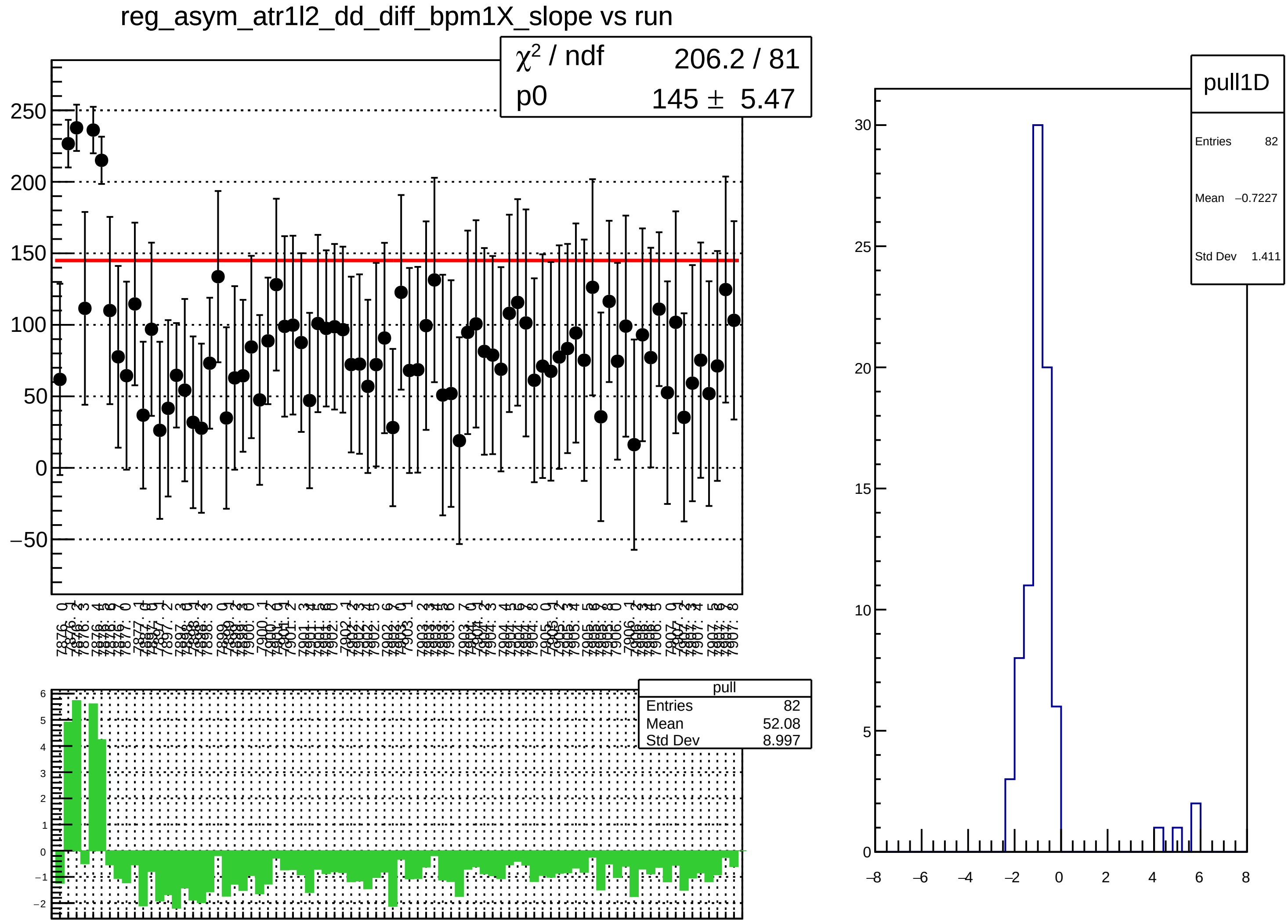

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 216 / 81
p0 162.4 ± 6.338
300
200
100
0
−100
pull
Entries 82
Mean 45.99
Std Dev 13.03
6
4
2
0
−2
−4
pull1D
Entries 82
Mean −0.6468
Std Dev 1.489
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



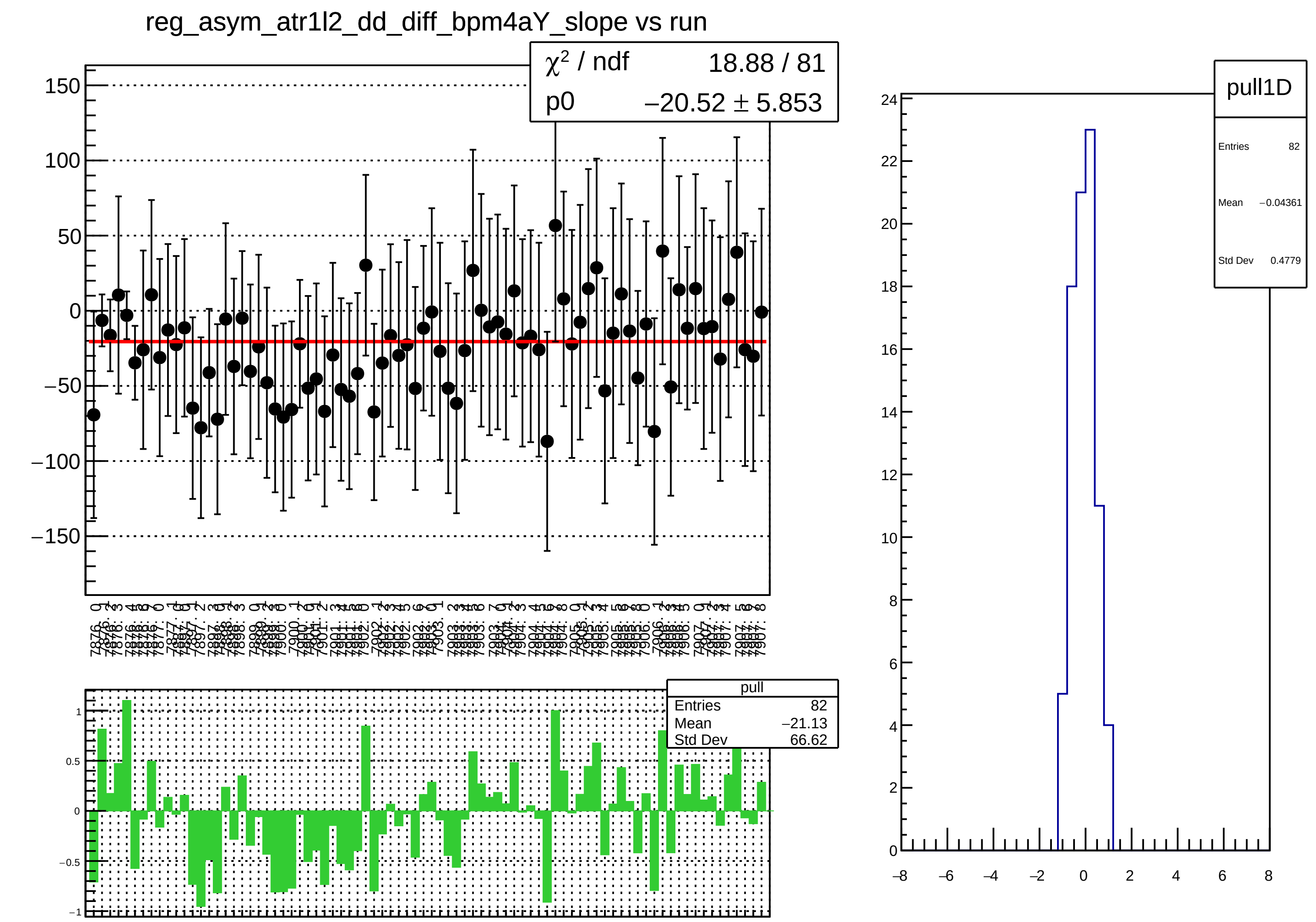
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.76 / 81
p0 28.66 ± 10.37
pull
Entries 82
Mean 95.34
Std Dev 57.91
pull1D
Entries 82
Mean −0.03193
Std Dev 0.3609



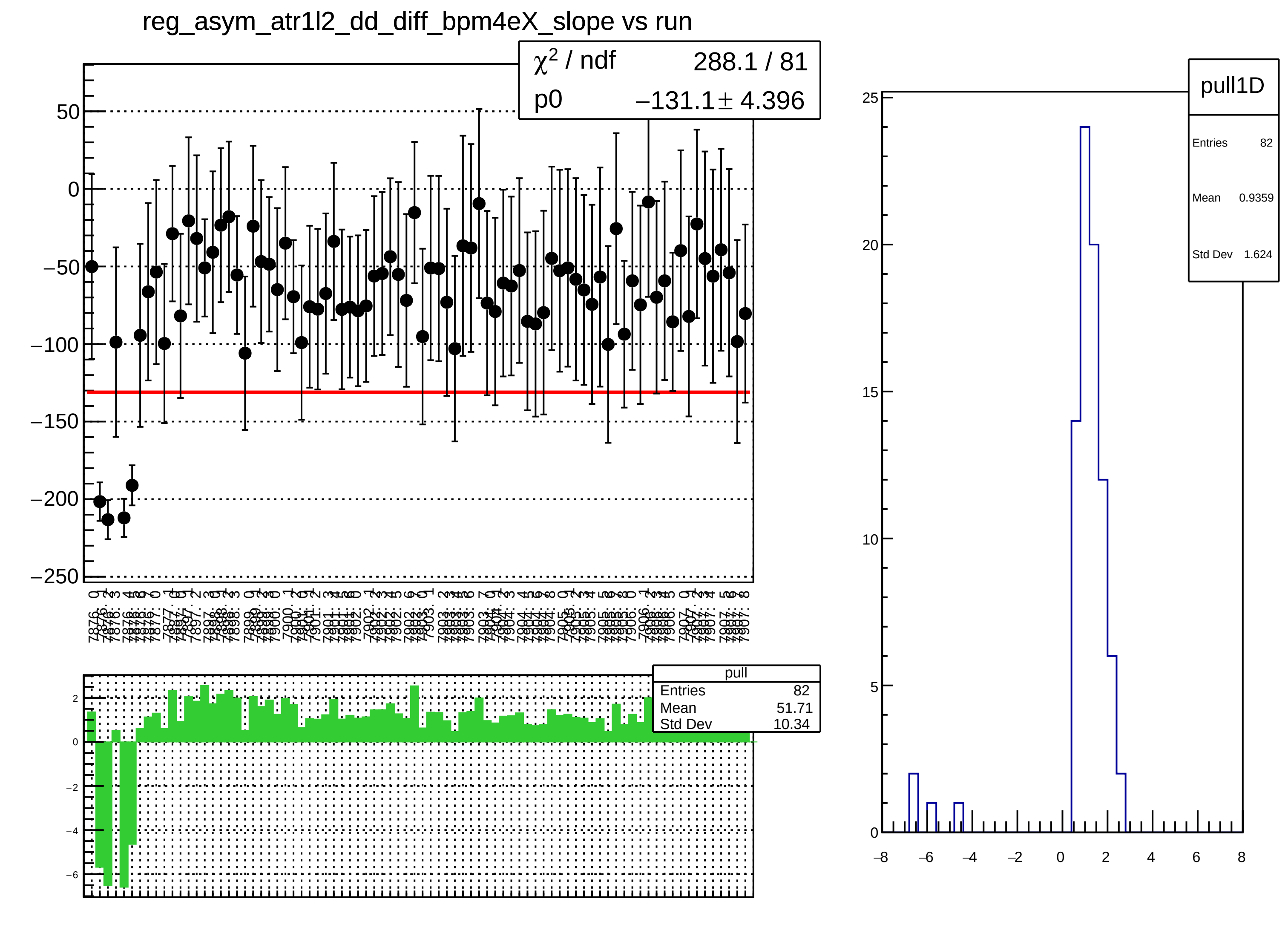
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ2 / ndf 720.5 / 81
p0 −156.5 ± 0.3476
pull
Entries 82
Mean 110
Std Dev 70.85
pull1D
Entries 82
Mean −0.2473
Std Dev 2.954

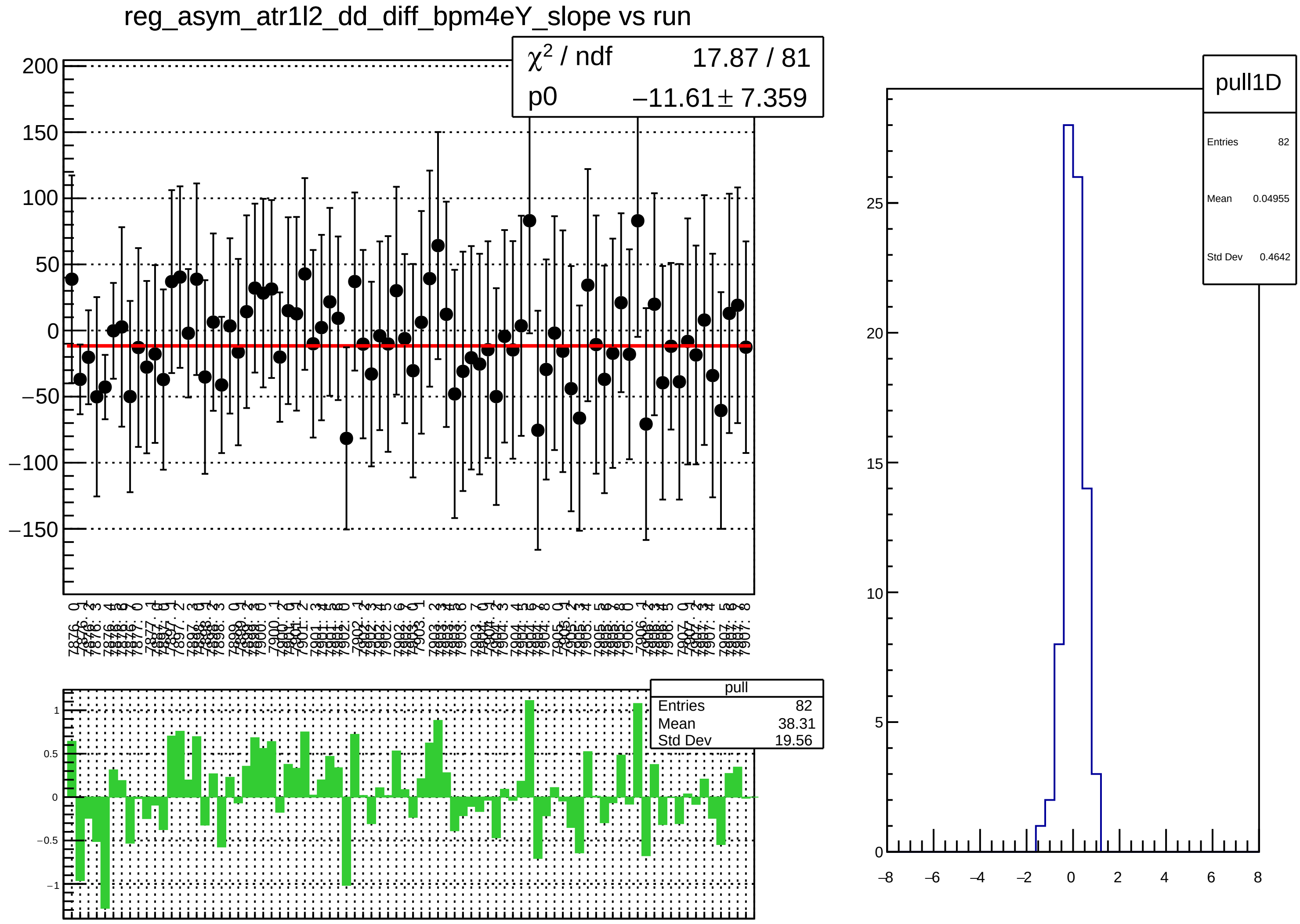


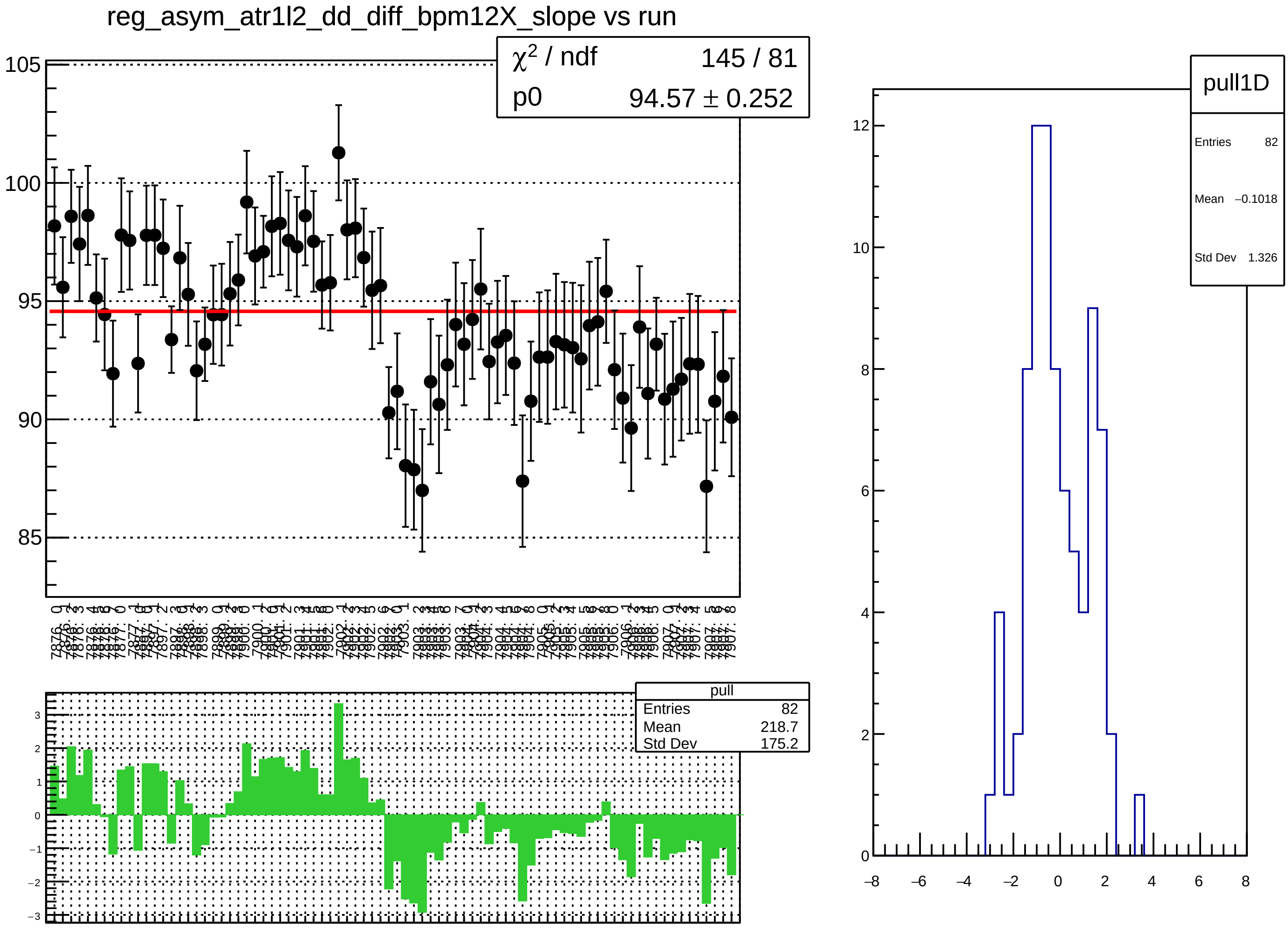
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 206.2 / 81
p0 145 ± 5.47
pull
Entries 82
Mean 52.08
Std Dev 8.997
pull1D
Entries 82
Mean −0.7227
Std Dev 1.411



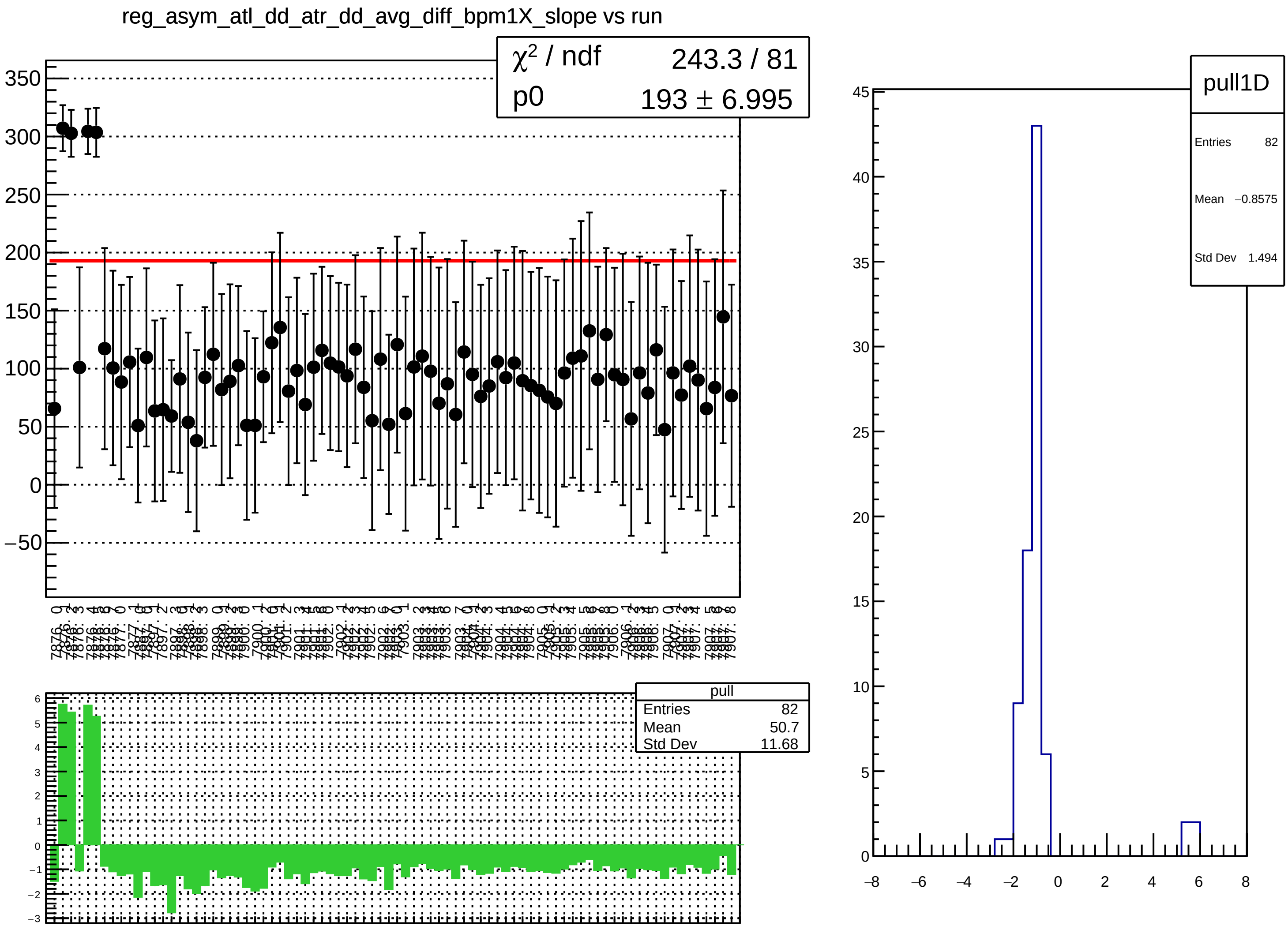
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 18.88 / 81
p0 −20.52 ± 5.853
pull
Entries 82
Mean −21.13
Std Dev 66.62
pull1D
Entries 82
Mean −0.04361
Std Dev 0.4779


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 288.1 / 81
p0 −131.1 ± 4.396
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

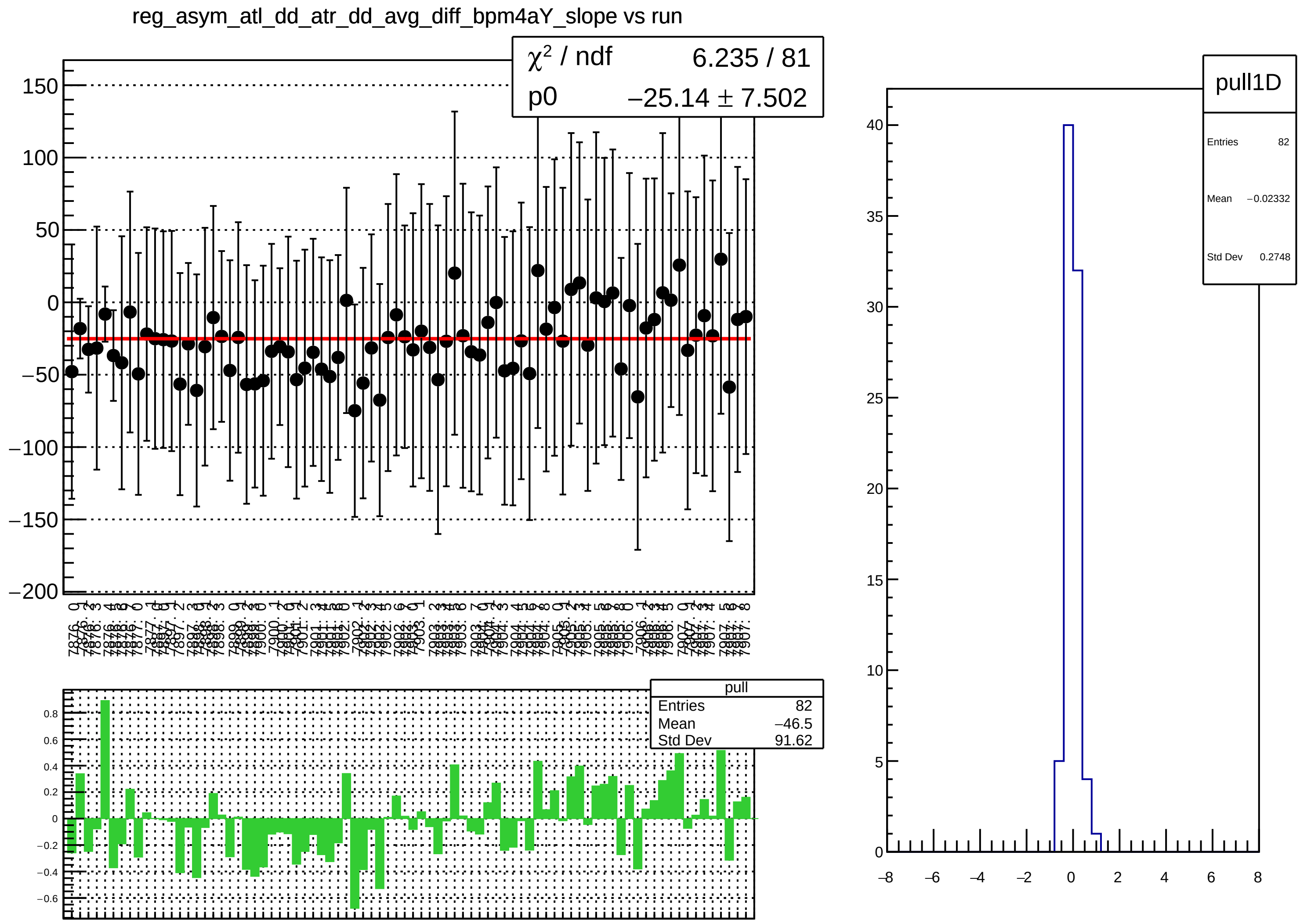

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.87 / 81
p0 −11.61 ± 7.359
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 38.31
Std Dev 19.56
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean 0.04955
Std Dev 0.4642
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

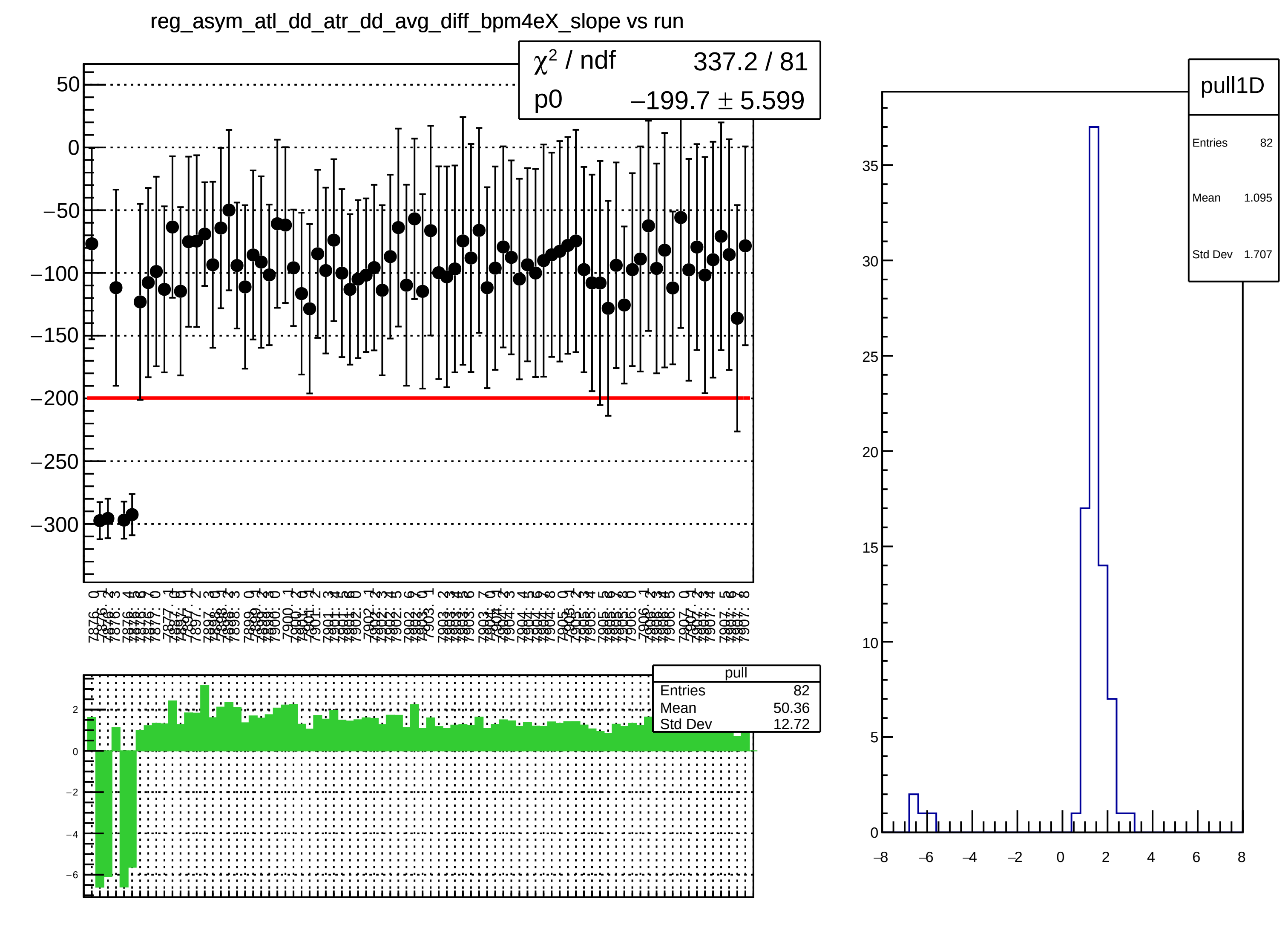


reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ2 / ndf 145 / 81
p0 94.57 ± 0.252
pull
Entries 82
Mean 218.7
Std Dev 175.2
pull1D
Entries 82
Mean −0.1018
Std Dev 1.326

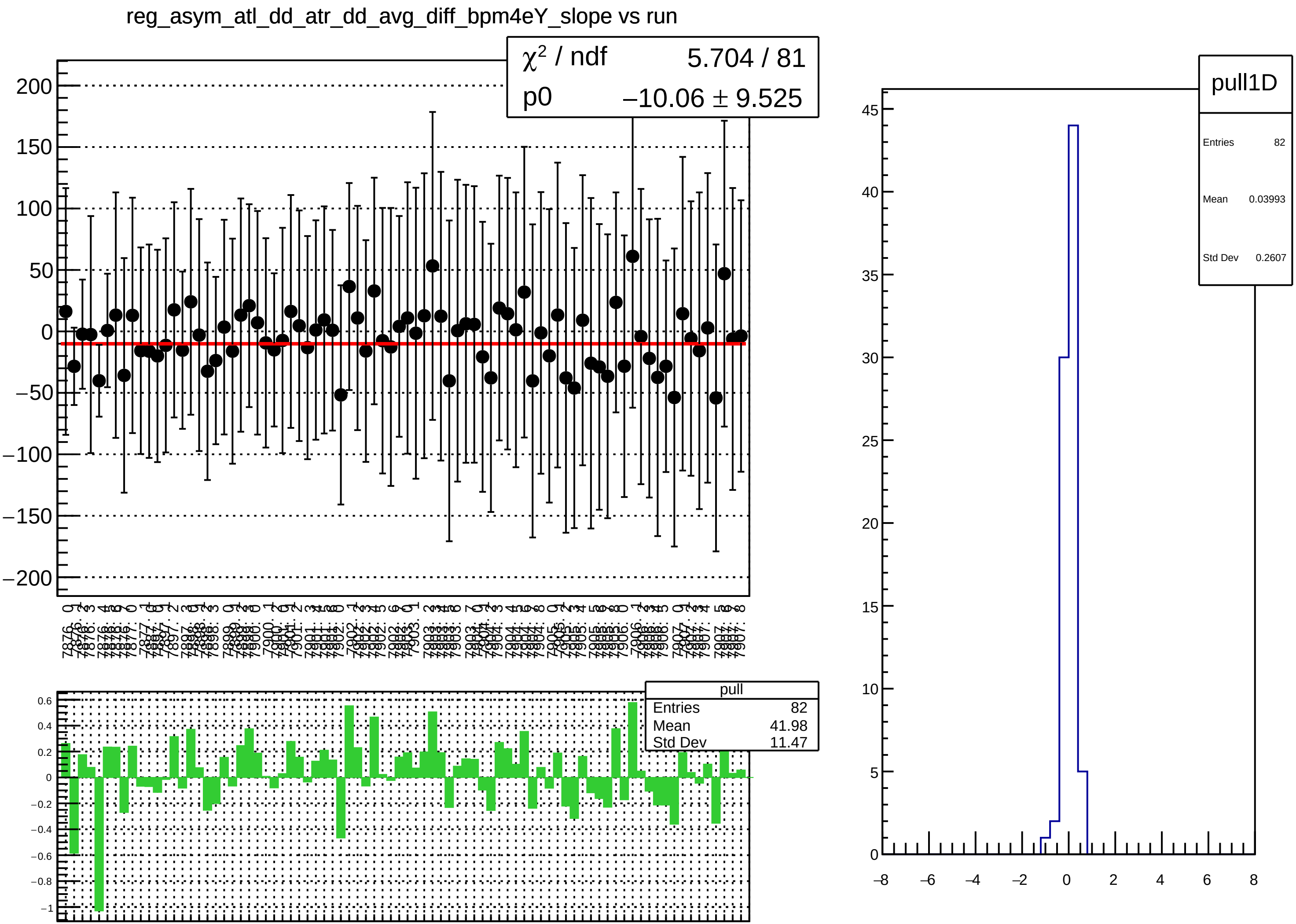


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 243.3 / 81
p0 193 ± 6.995
pull
Entries 82
Mean 50.7
Std Dev 11.68
pull1D
Entries 82
Mean −0.8575
Std Dev 1.494


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ2 / ndf 6.235 / 81
p0 −25.14 ± 7.502
pull
Entries 82
Mean −46.5
Std Dev 91.62
pull1D
Entries 82
Mean −0.02332
Std Dev 0.2748

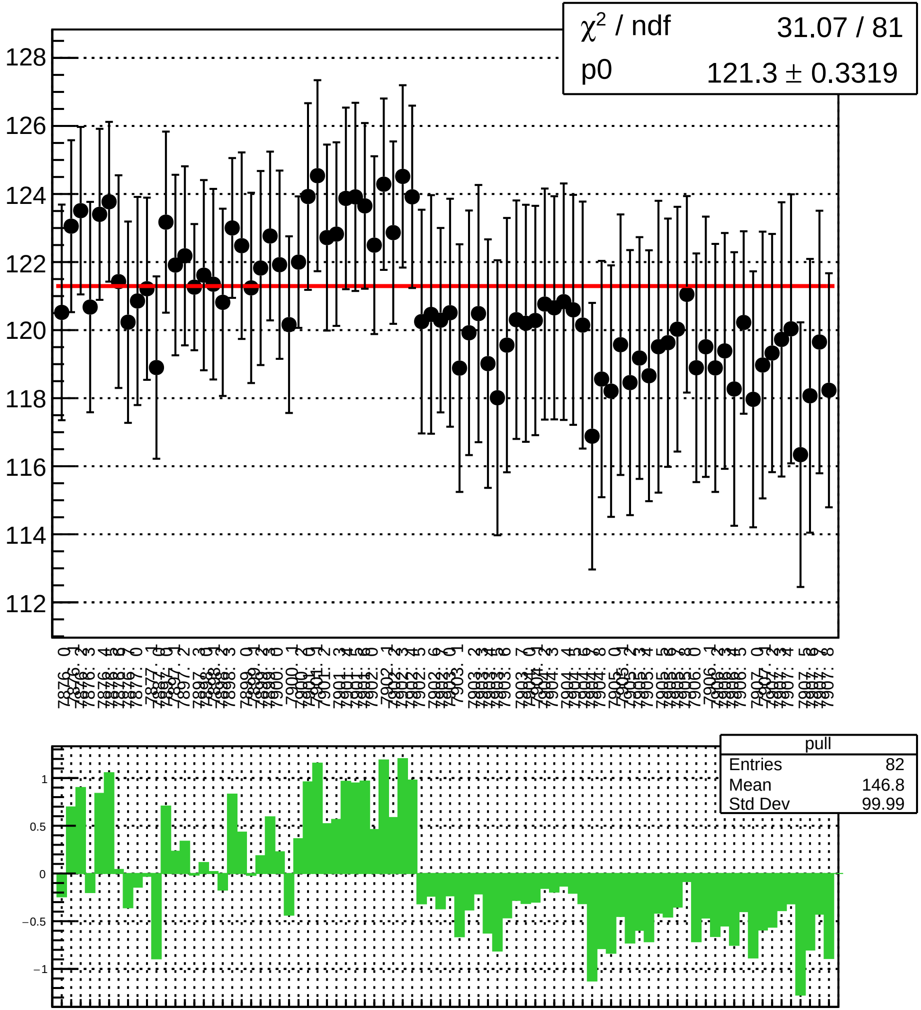


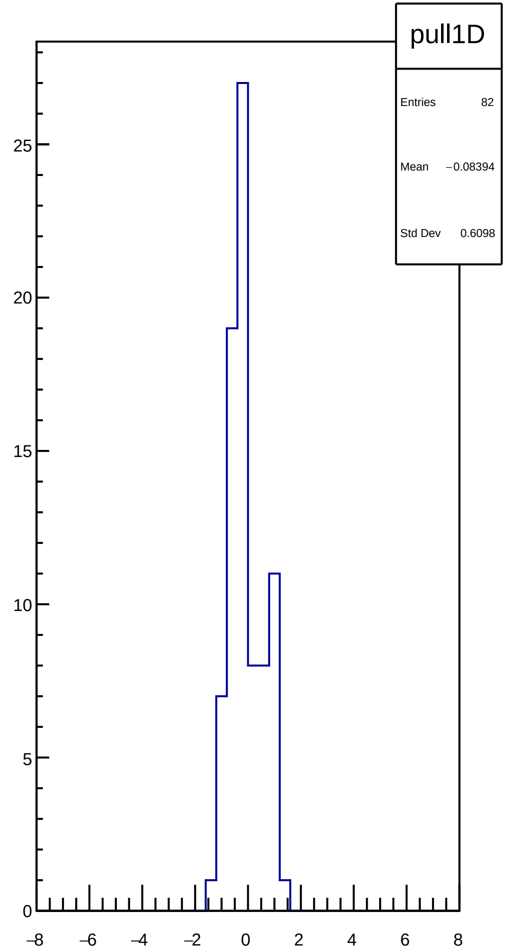
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 337.2 / 81
p0 −199.7 ± 5.599
pull
Entries 82
Mean 50.36
Std Dev 12.72
pull1D
Entries 82
Mean 1.095
Std Dev 1.707

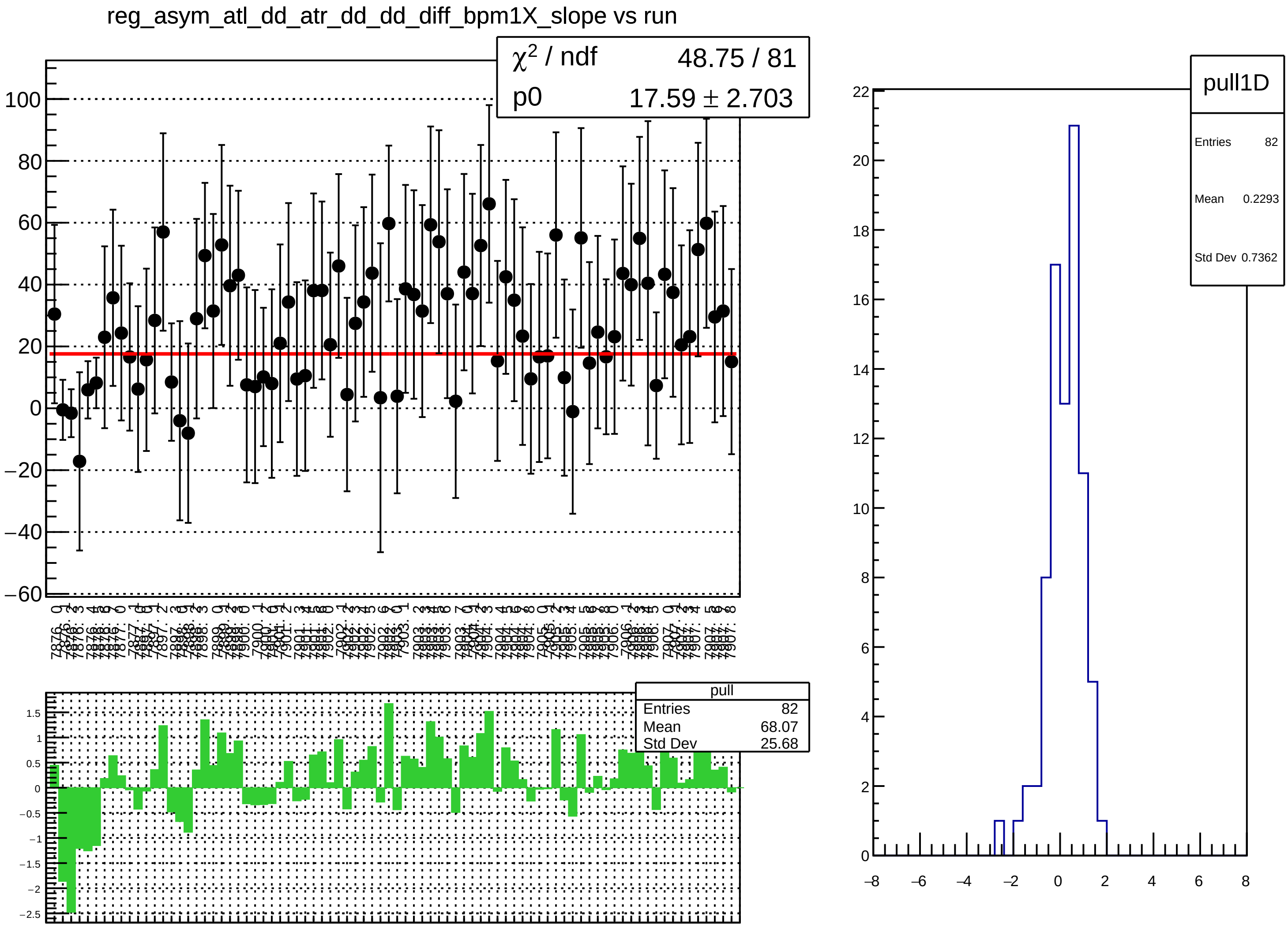


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.704 / 81
p0 −10.06 ± 9.525
pull
Entries 82
Mean 41.98
Std Dev 11.47
pull1D
Entries 82
Mean 0.03993
Std Dev 0.2607

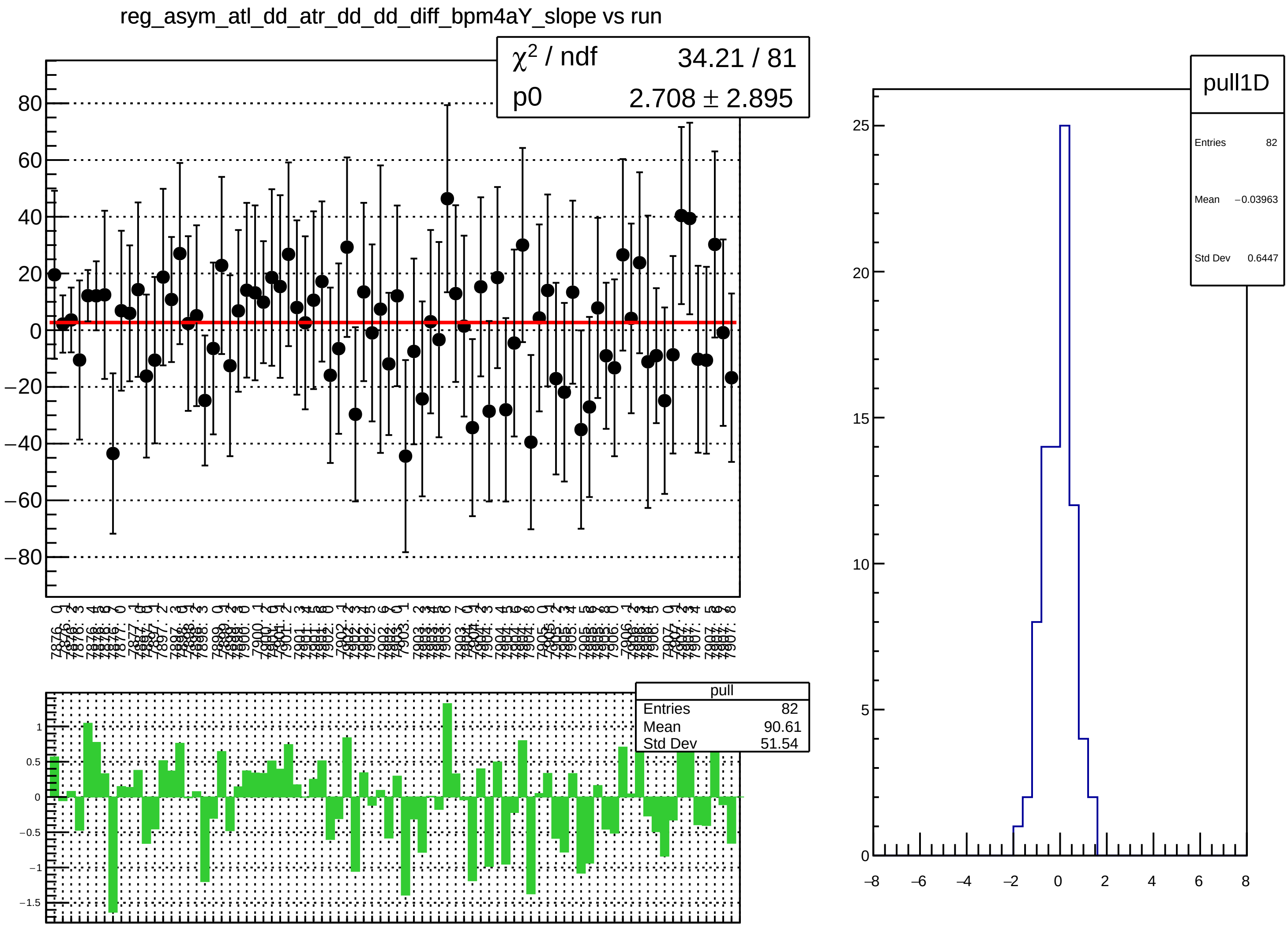
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run



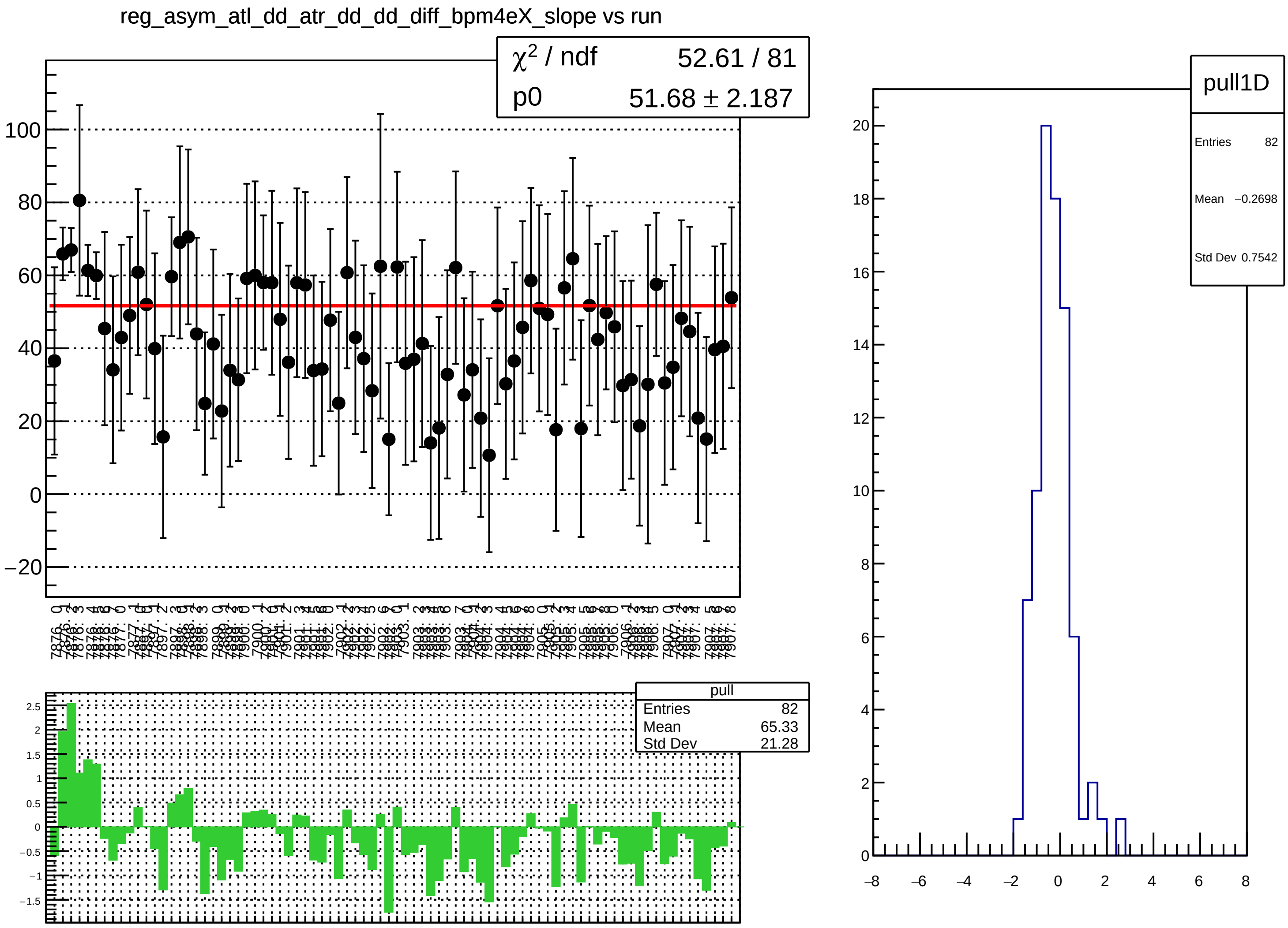




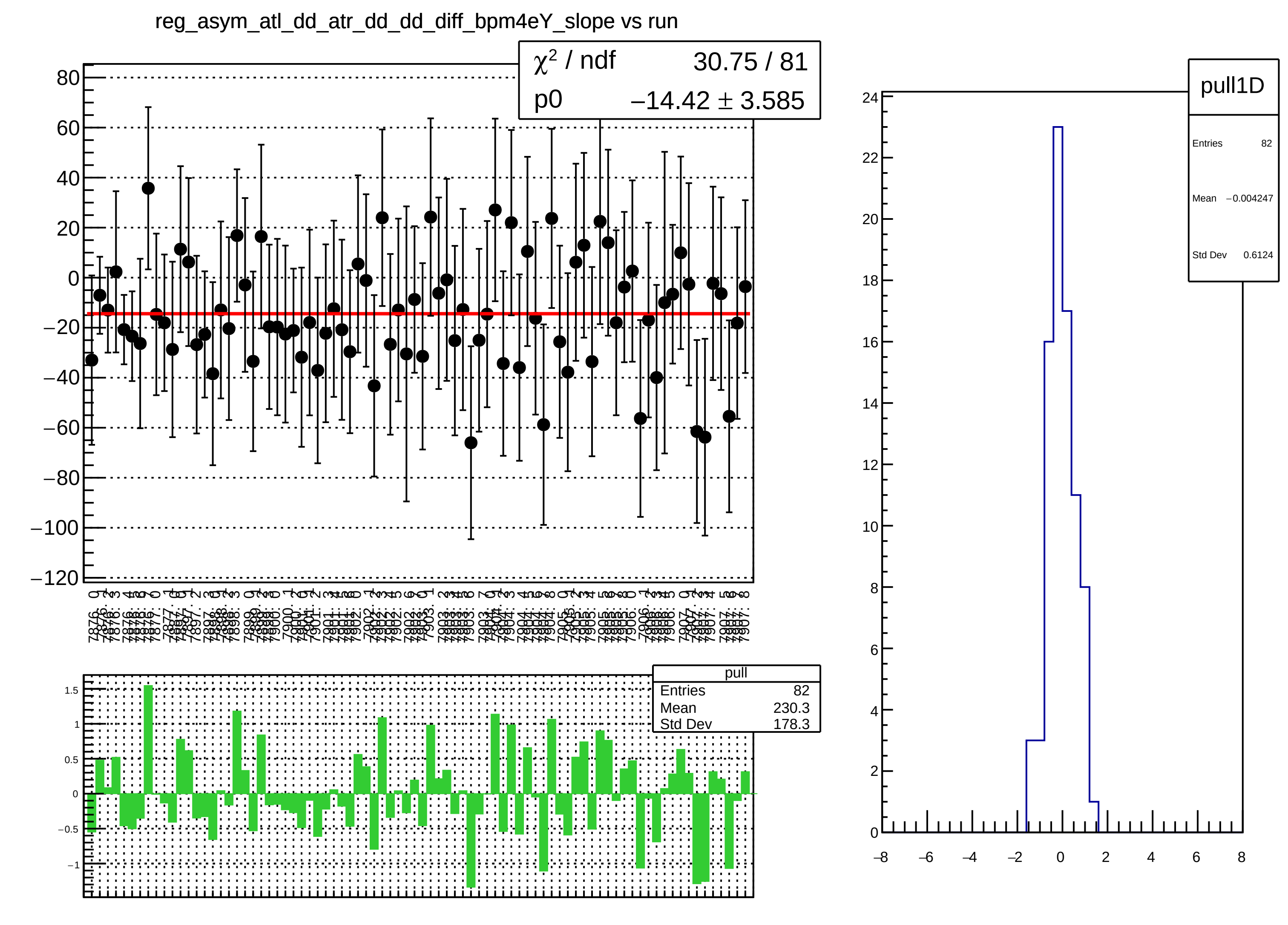
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 48.75 / 81
p0 17.59 ± 2.703
pull
Entries 82
Mean 68.07
Std Dev 25.68
pull1D
Entries 82
Mean 0.2293
Std Dev 0.7362



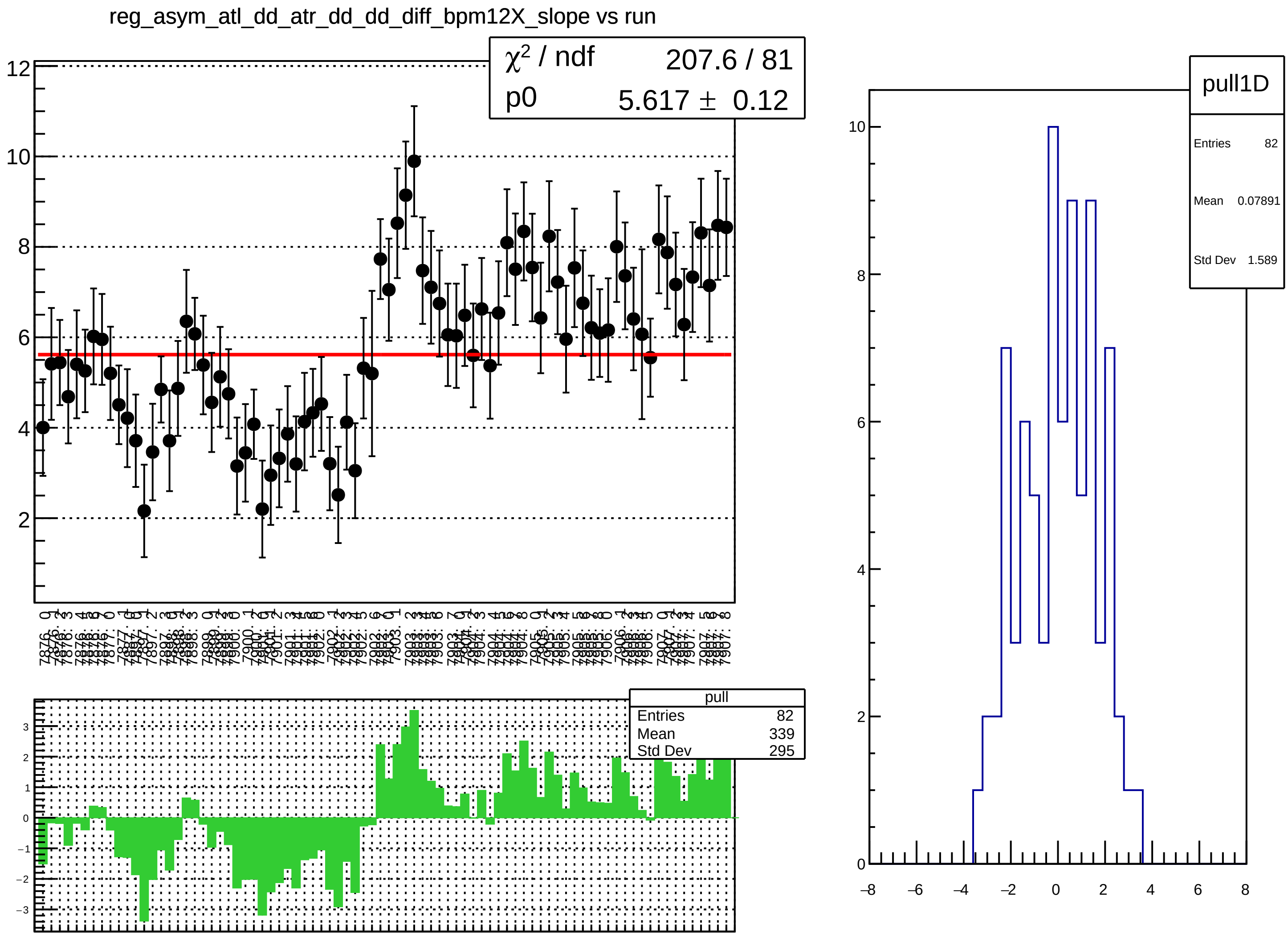
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 34.21 / 81
p0 2.708 ± 2.895
pull
Entries 82
Mean 90.61
Std Dev 51.54
pull1D
Entries 82
Mean −0.03963
Std Dev 0.6447



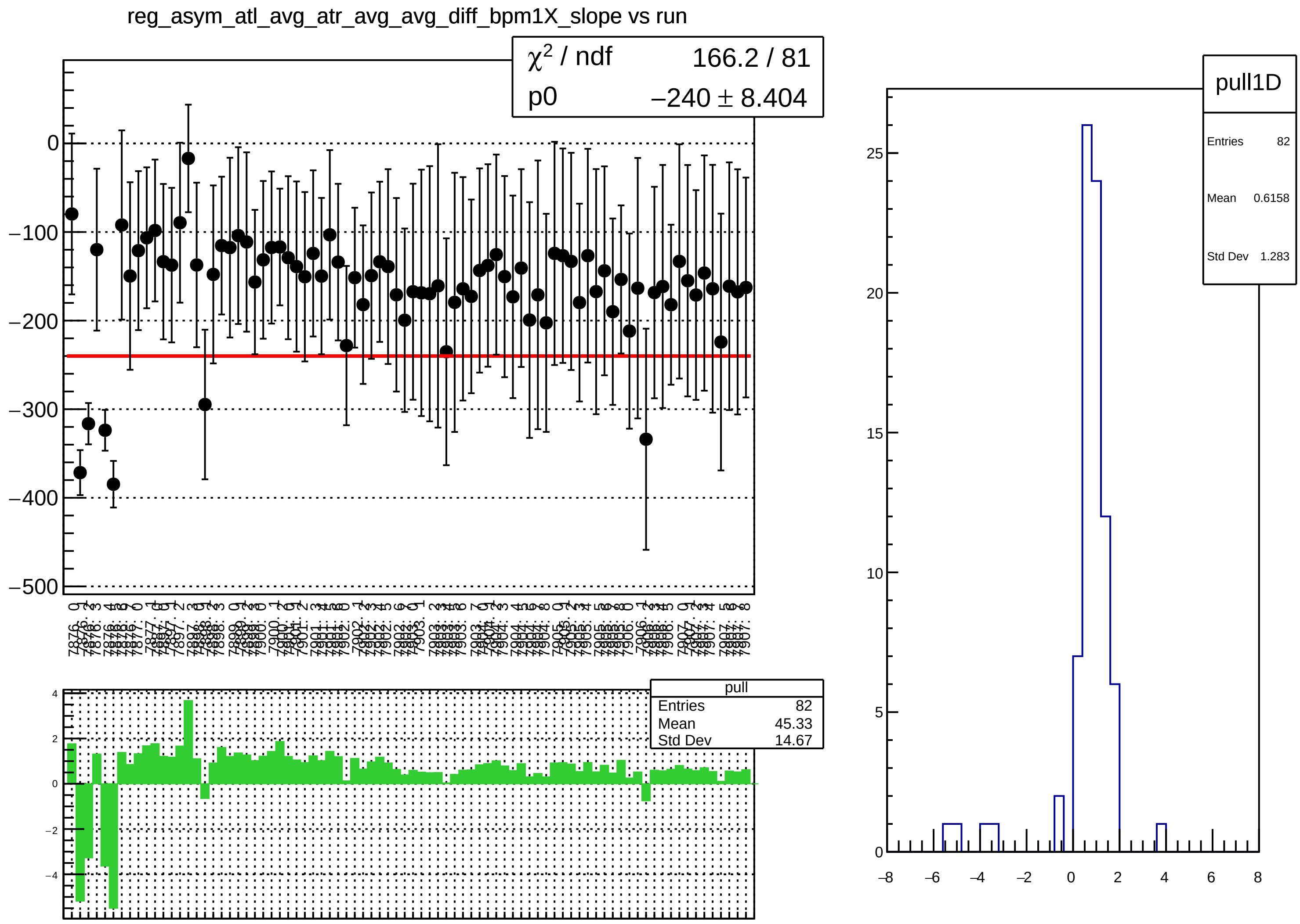
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 52.61 / 81
p0 51.68 ± 2.187
pull
Entries 82
Mean 65.33
Std Dev 21.28
pull1D
Entries 82
Mean −0.2698
Std Dev 0.7542



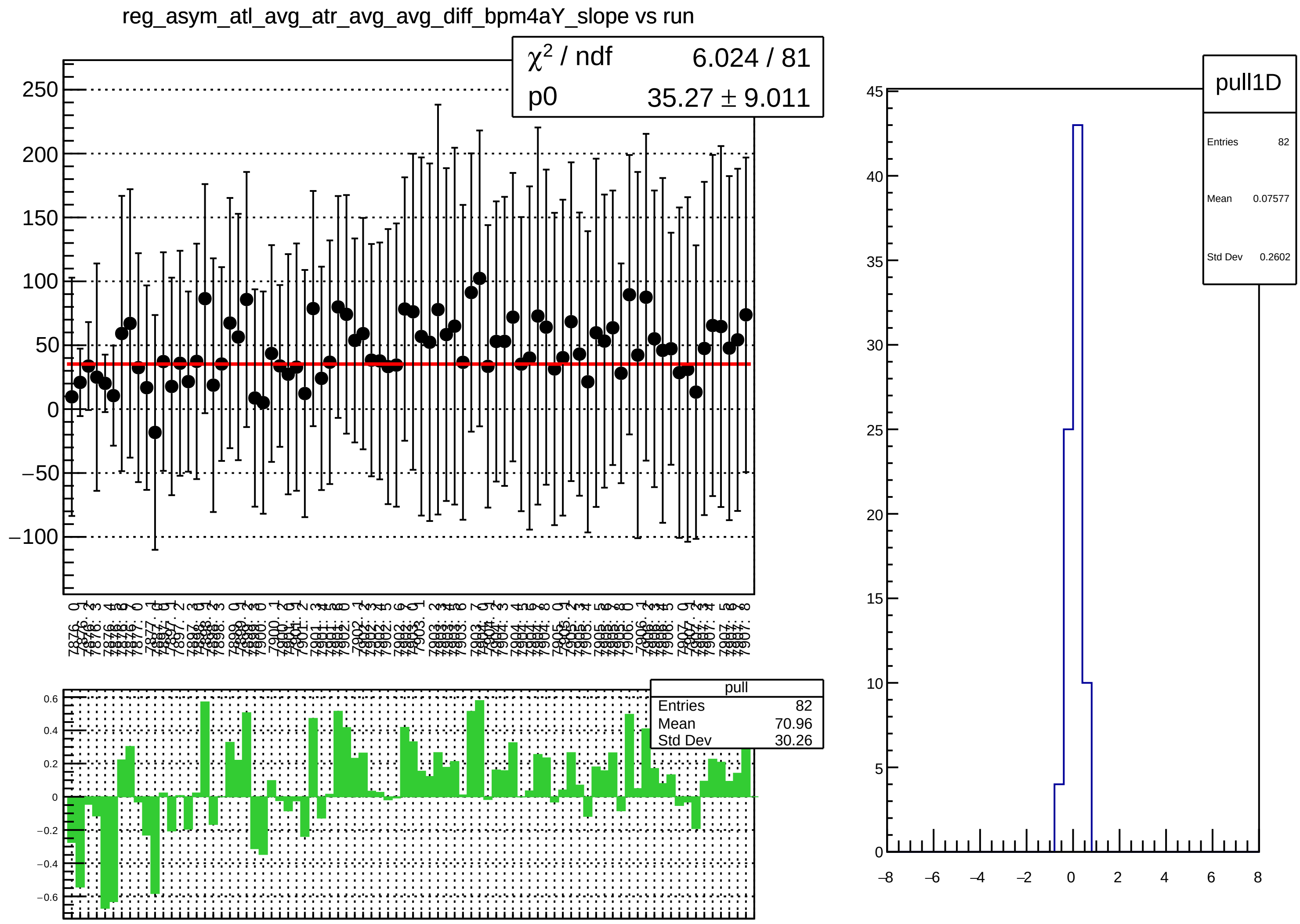
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ2 / ndf 30.75 / 81
p0 −14.42 ± 3.585
pull
Entries 82
Mean 230.3
Std Dev 178.3
pull1D
Entries 82
Mean −0.004247
Std Dev 0.6124



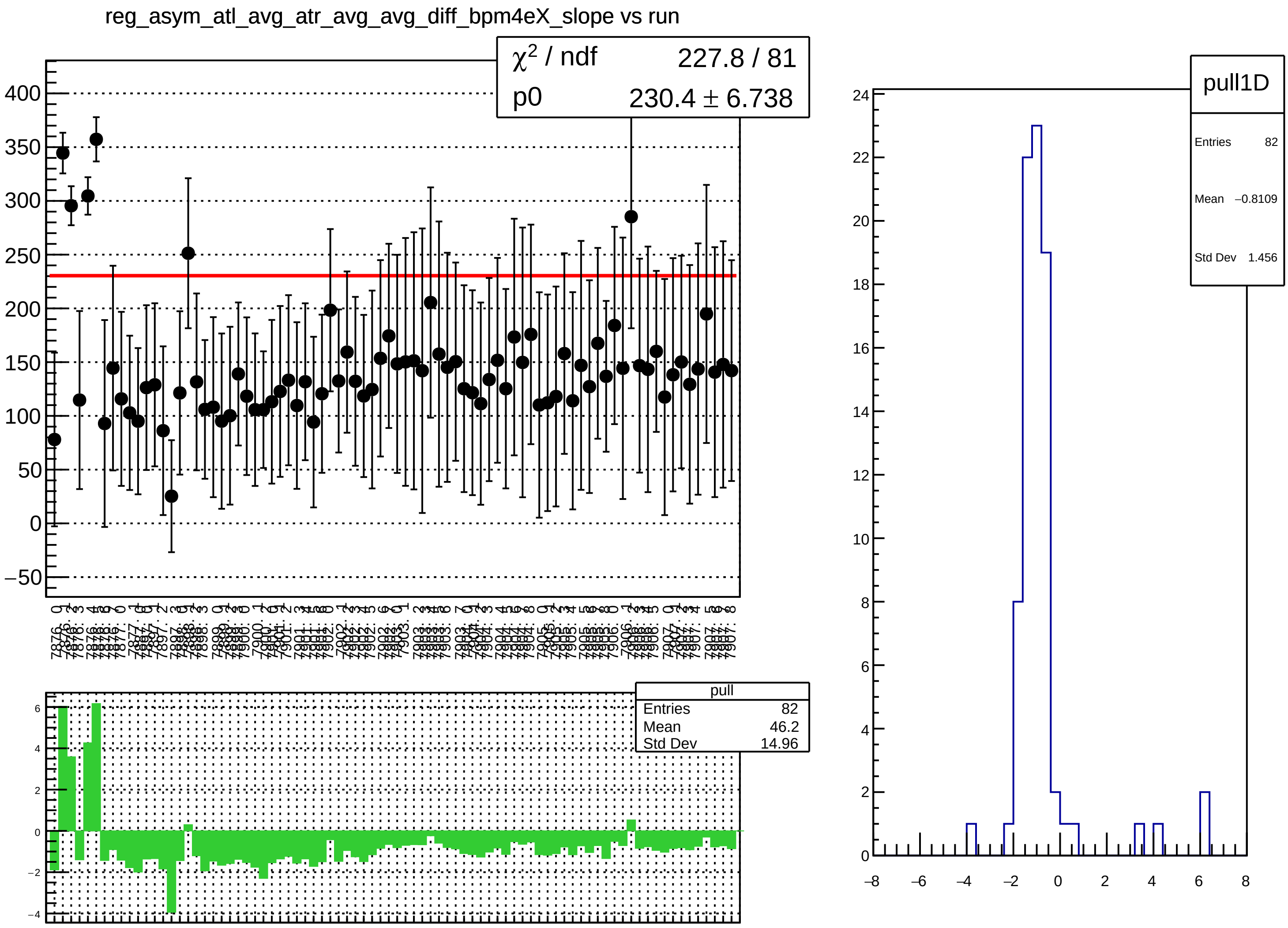
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 207.6 / 81
p0 5.617 ± 0.12
pull
Entries 82
Mean 339
Std Dev 295
pull1D
Entries 82
Mean 0.07891
Std Dev 1.589



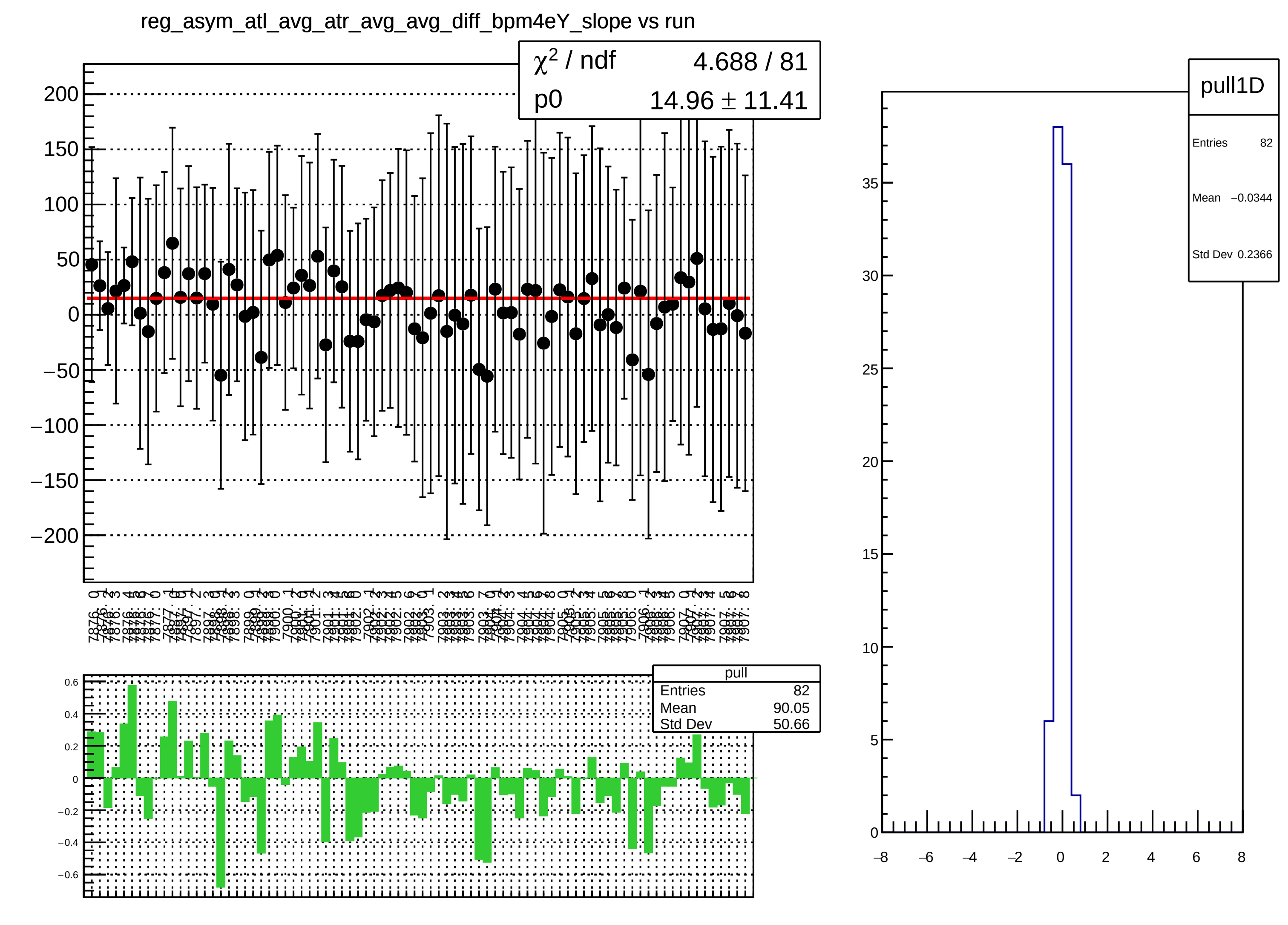
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 166.2 / 81
p0 −240 ± 8.404
pull
Entries 82
Mean 45.33
Std Dev 14.67
pull1D
Entries 82
Mean 0.6158
Std Dev 1.283

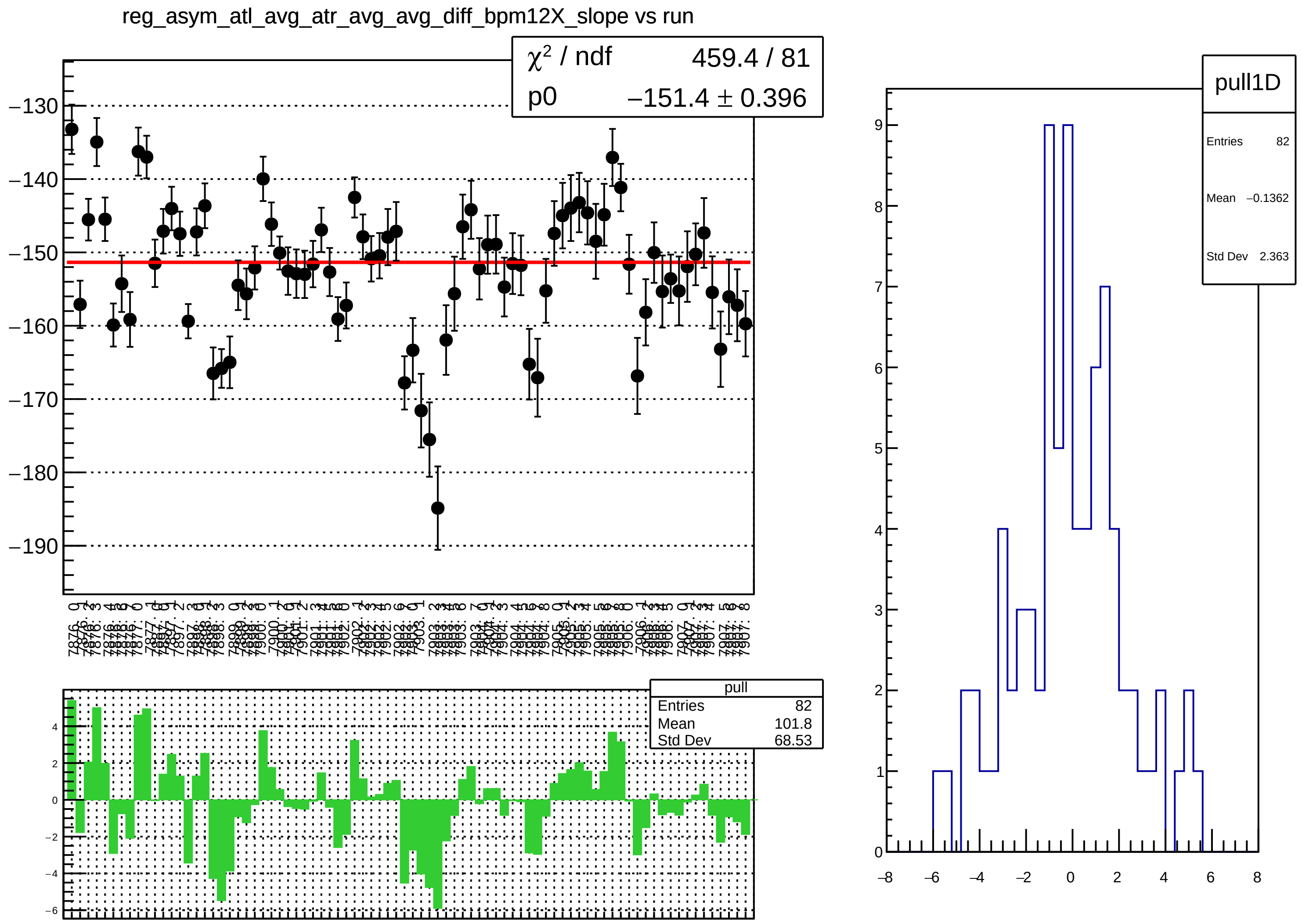


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.024 / 81
p0 35.27 ± 9.011
pull
Entries 82
Mean 70.96
Std Dev 30.26
pull1D
Entries 82
Mean 0.07577
Std Dev 0.2602

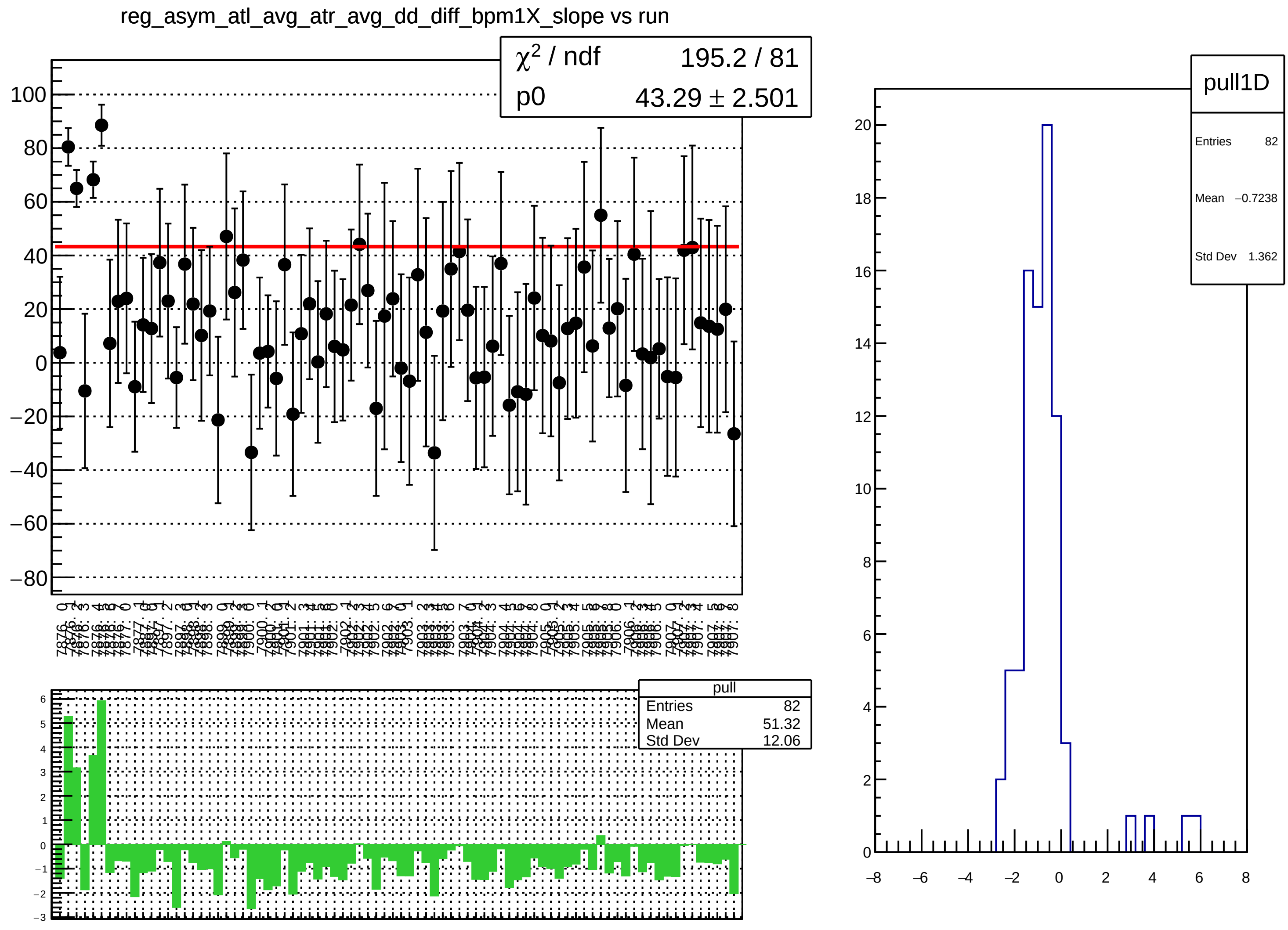


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ2 / ndf 227.8 / 81
p0 230.4 ± 6.738
pull
Entries 82
Mean 46.2
Std Dev 14.96
pull1D
Entries 82
Mean −0.8109
Std Dev 1.456

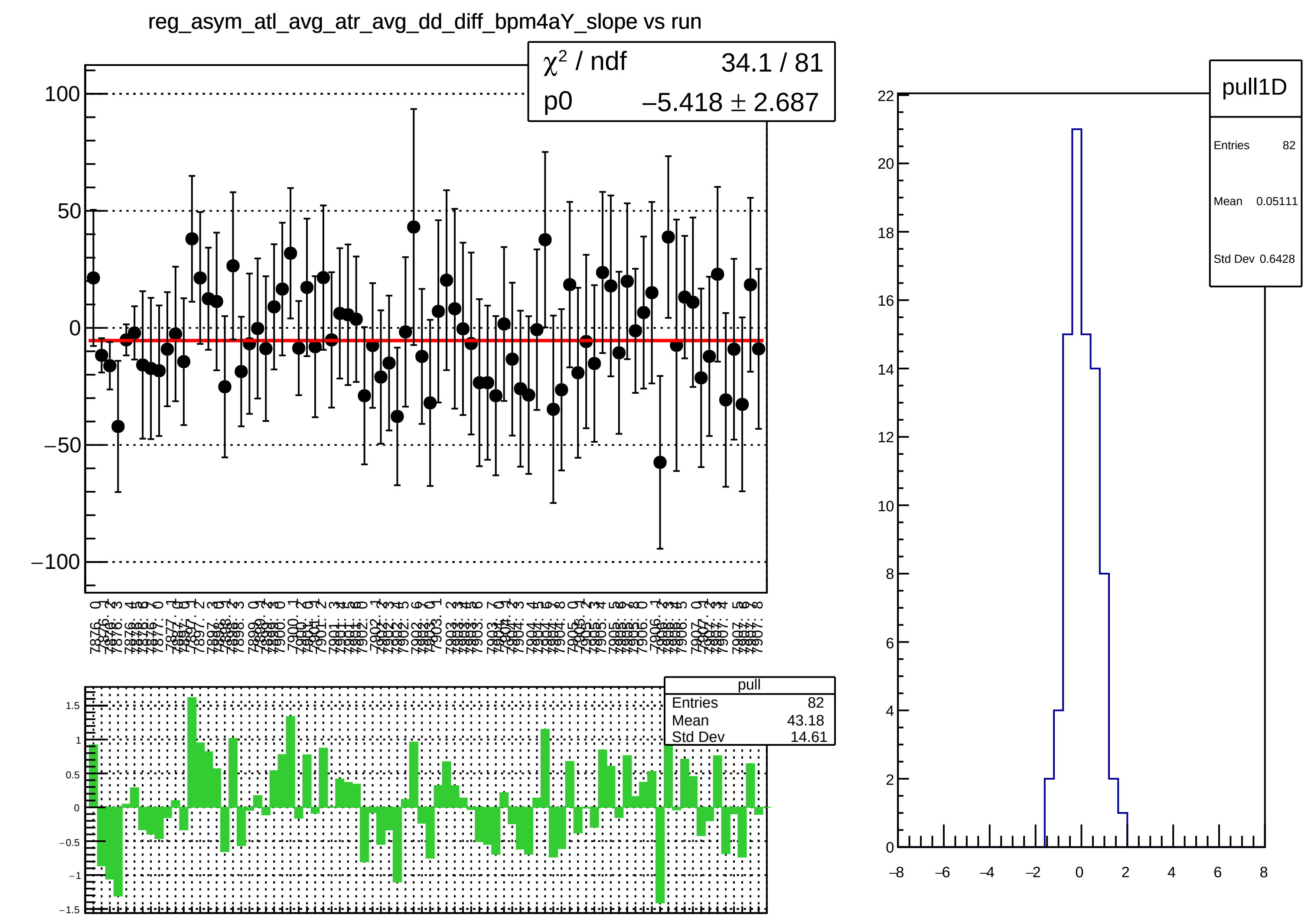

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.688 / 81
p0 14.96 ± 11.41
pull
Entries 82
Mean 90.05
Std Dev 50.66
pull1D
Entries 82
Mean −0.0344
Std Dev 0.2366

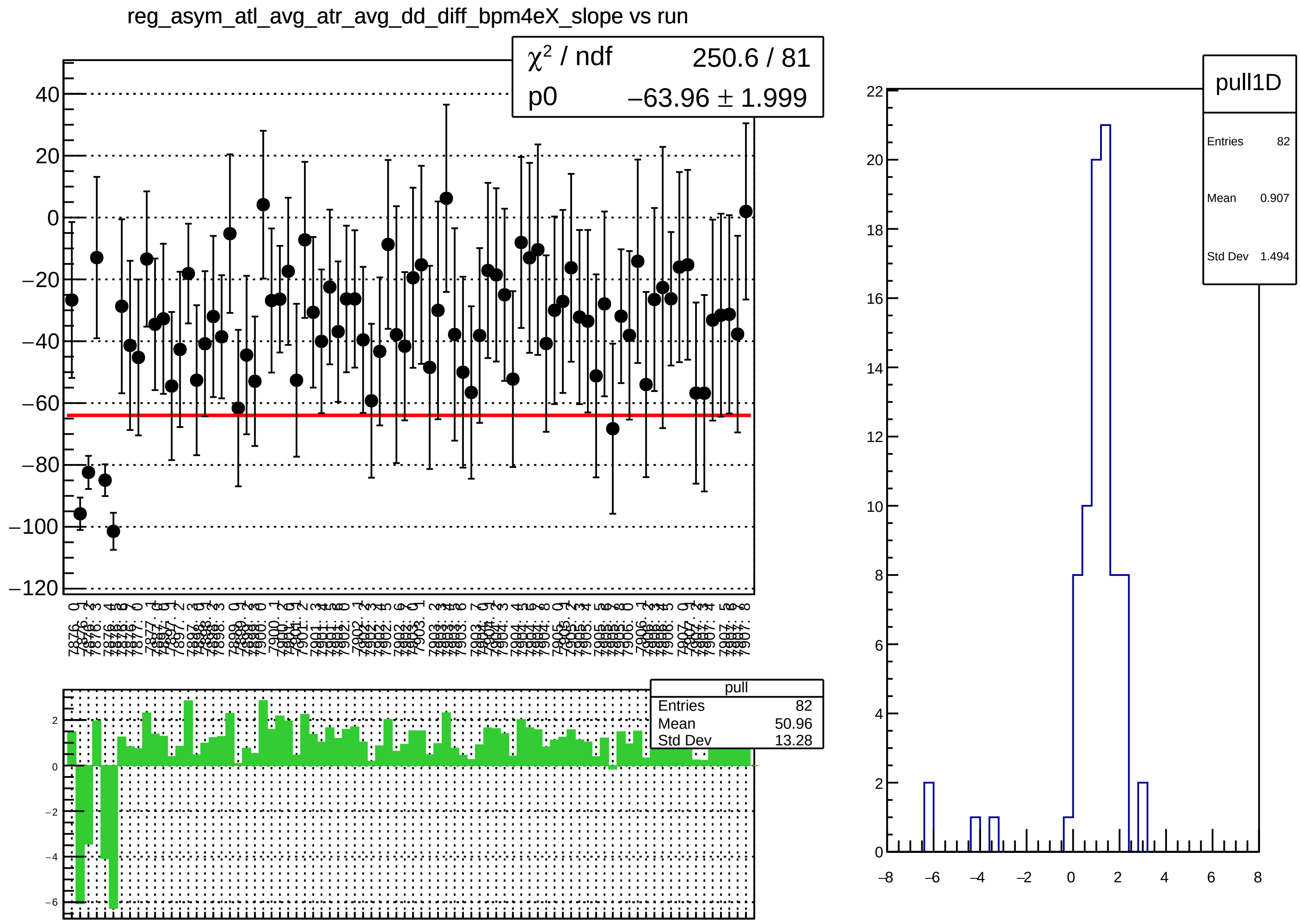


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 459.4 / 81
p0 −151.4 ± 0.396
pull
Entries 82
Mean 101.8
Std Dev 68.53
pull1D
Entries 82
Mean −0.1362
Std Dev 2.363

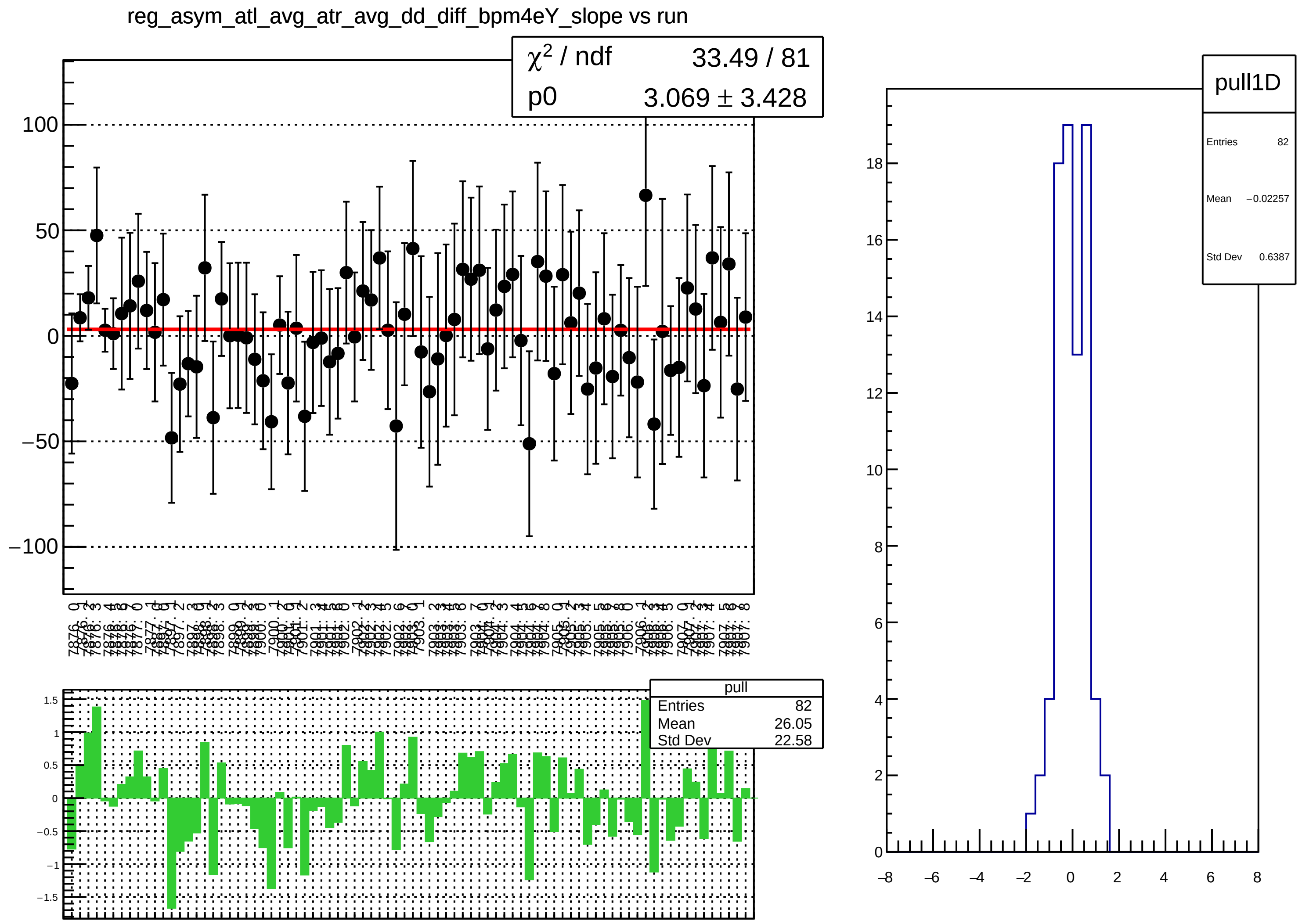


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 195.2 / 81
p0 43.29 ± 2.501
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 82
Mean 51.32
Std Dev 12.06
6
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.7238
Std Dev 1.362
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

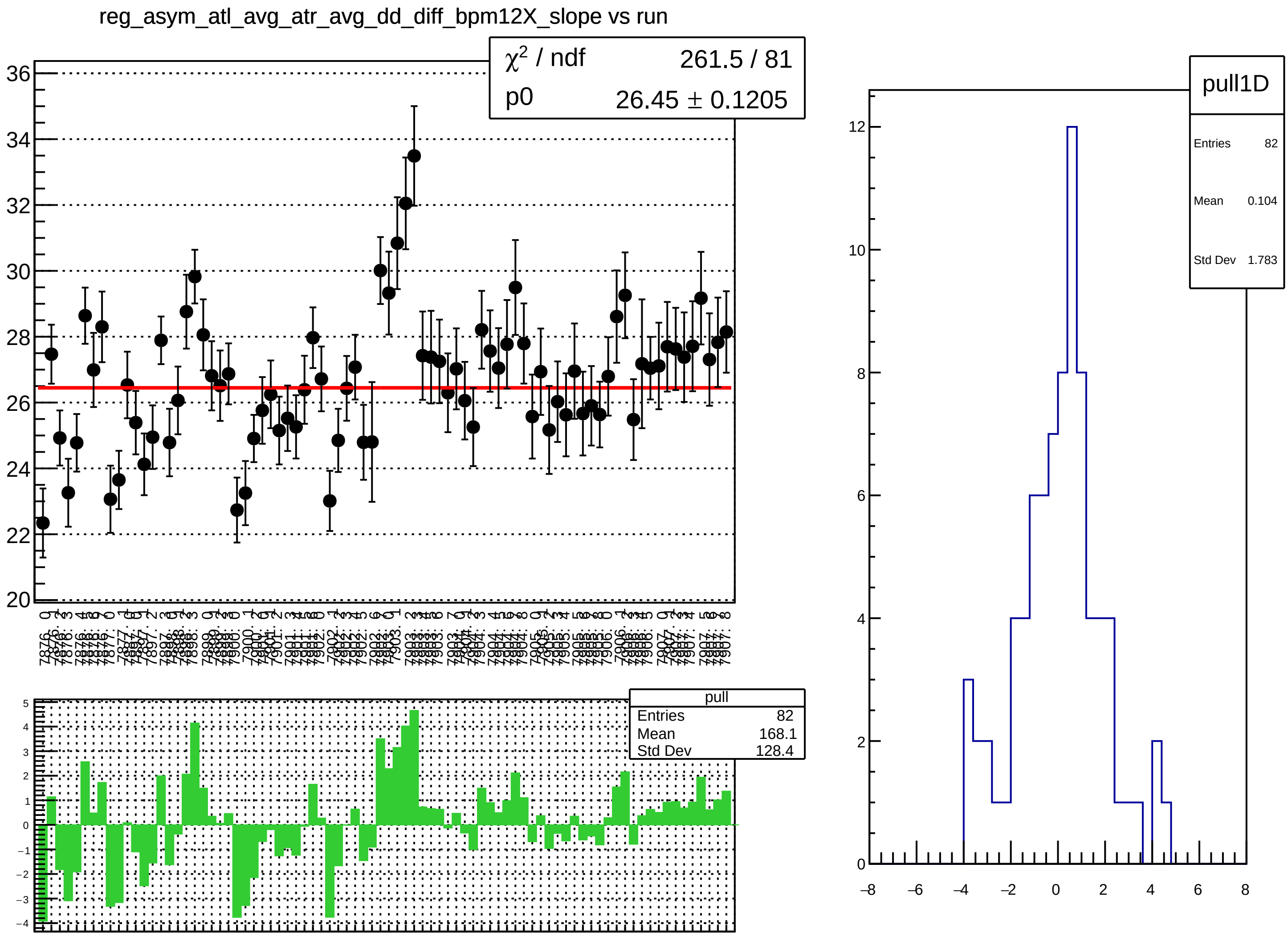

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ2 / ndf 34.1 / 81
p0 −5.418 ± 2.687
100
50
0
−50
−100
pull
Entries 82
Mean 43.18
Std Dev 14.61
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.05111
Std Dev 0.6428
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



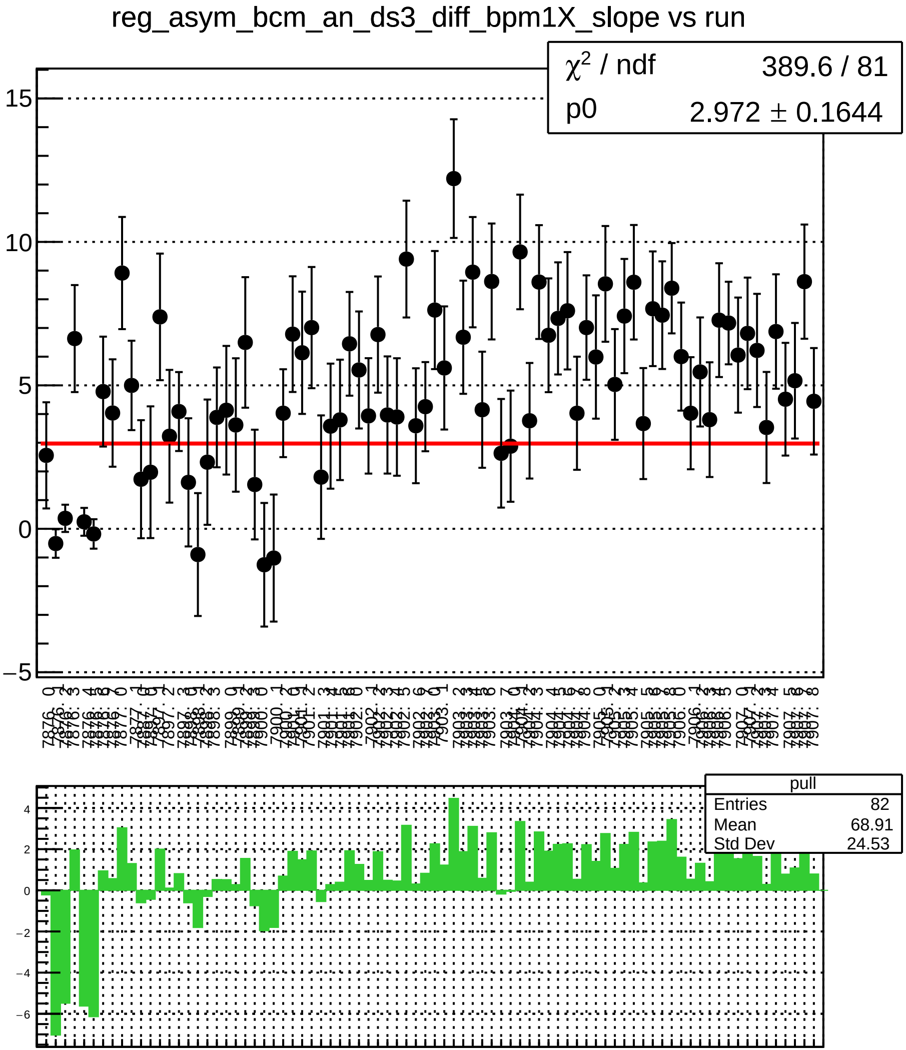
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ2 / ndf 250.6 / 81
p0 −63.96 ± 1.999
pull
Entries 82
Mean 50.96
Std Dev 13.28
pull1D
Entries 82
Mean 0.907
Std Dev 1.494



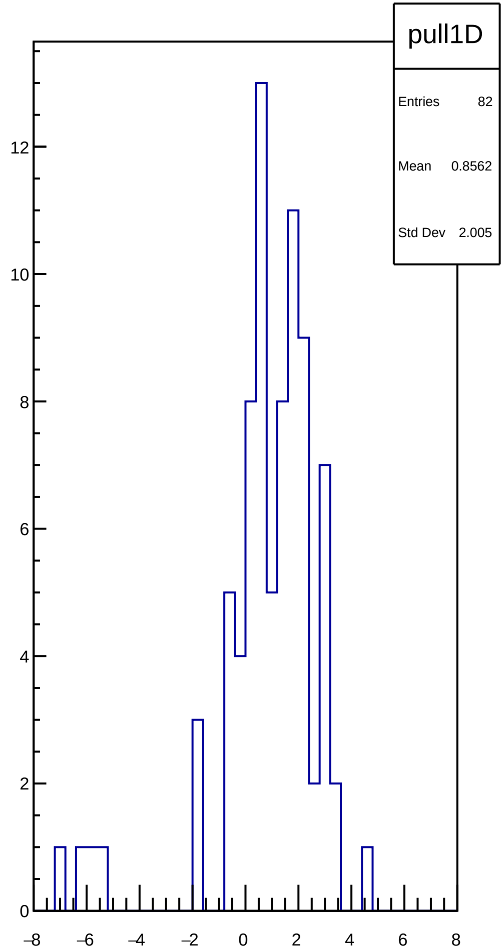
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 33.49 / 81
p0 3.069 ± 3.428
pull
Entries 82
Mean 26.05
Std Dev 22.58
pull1D
Entries 82
Mean −0.02257
Std Dev 0.6387



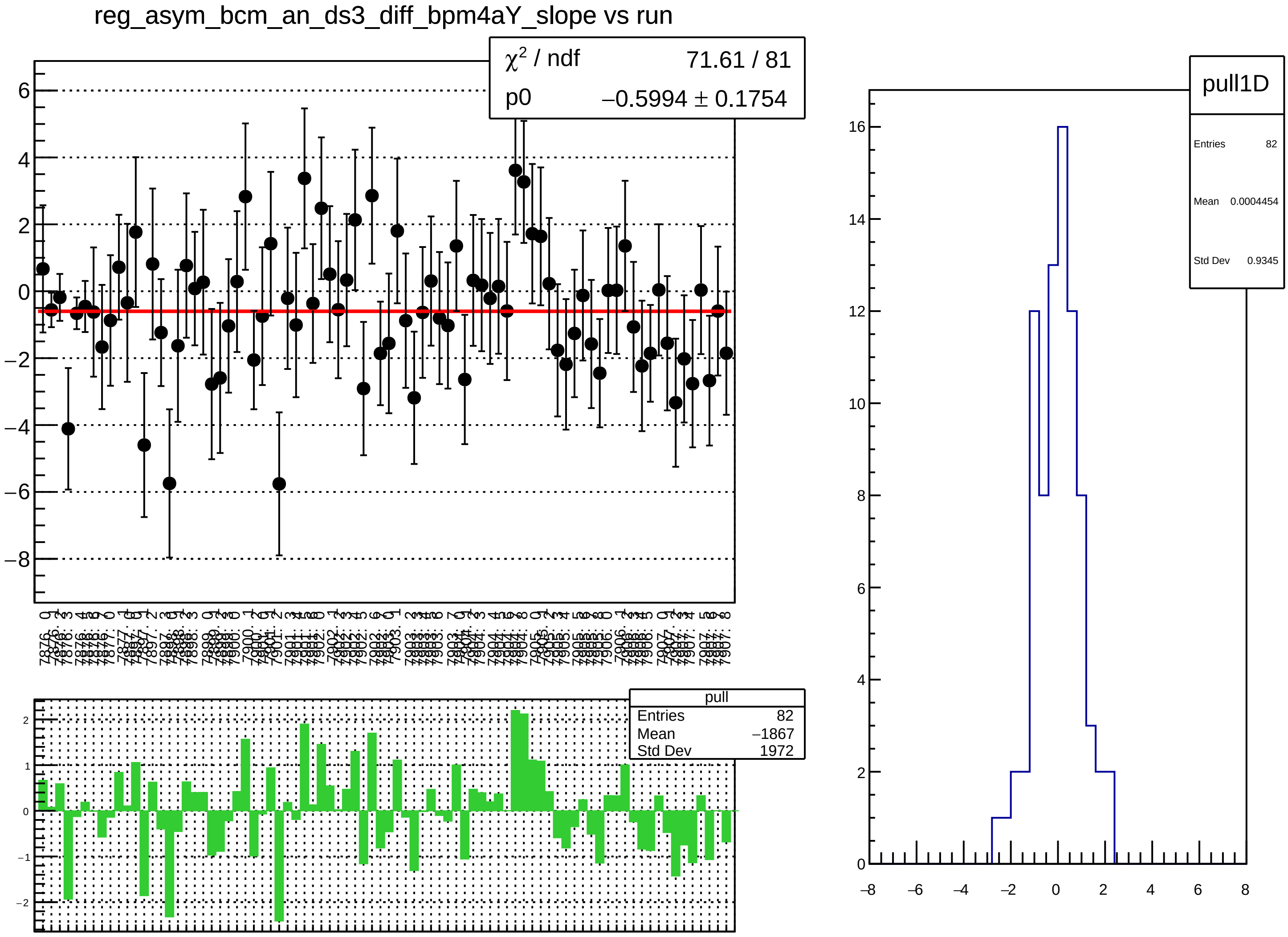
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 261.5 / 81
p0 26.45 ± 0.1205
pull
Entries 82
Mean 168.1
Std Dev 128.4
pull1D
Entries 82
Mean 0.104
Std Dev 1.783



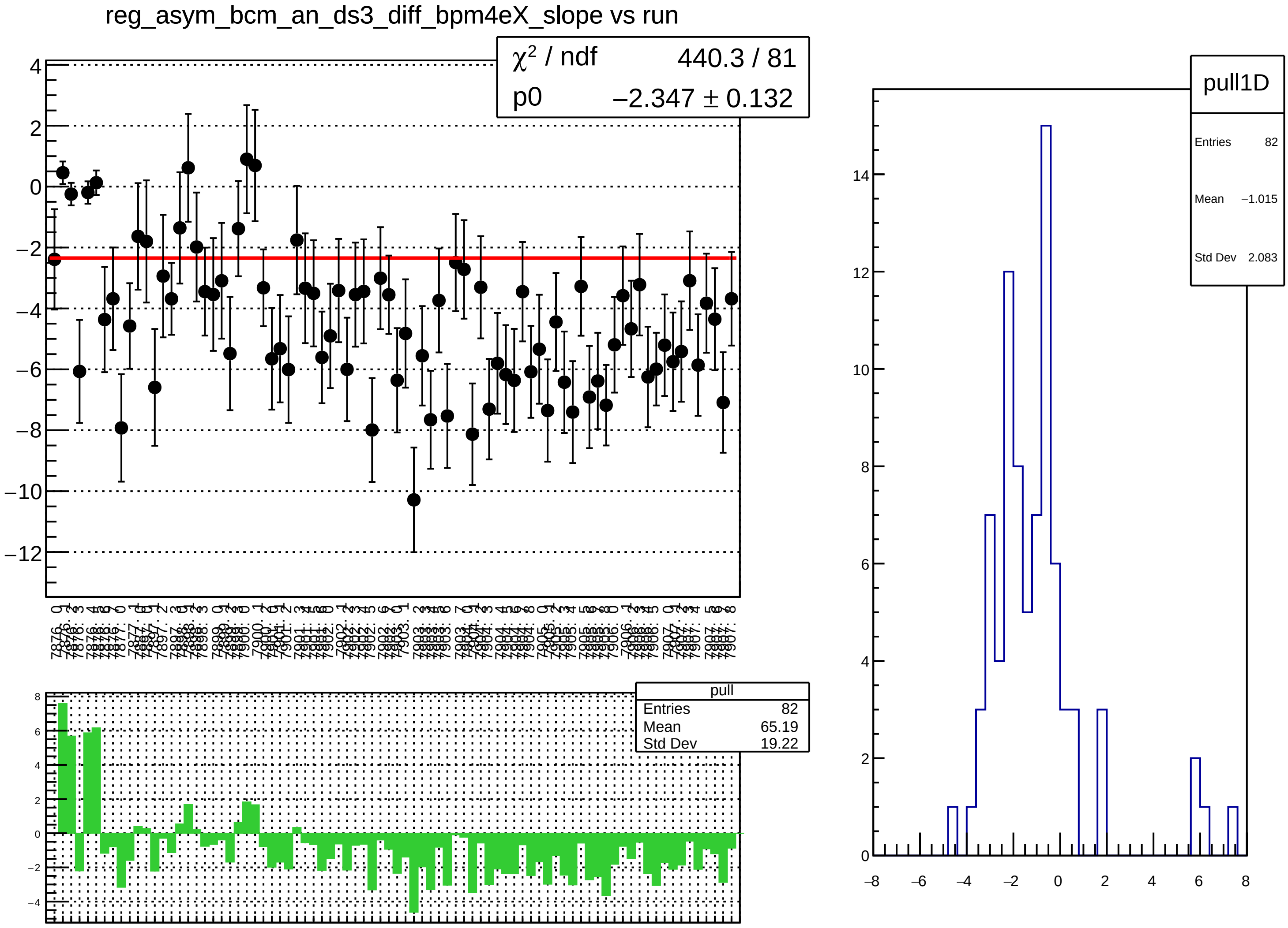
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 389.6 / 81
p0 2.972 ± 0.1644
pull
Entries 82
Mean 68.91
Std Dev 24.53



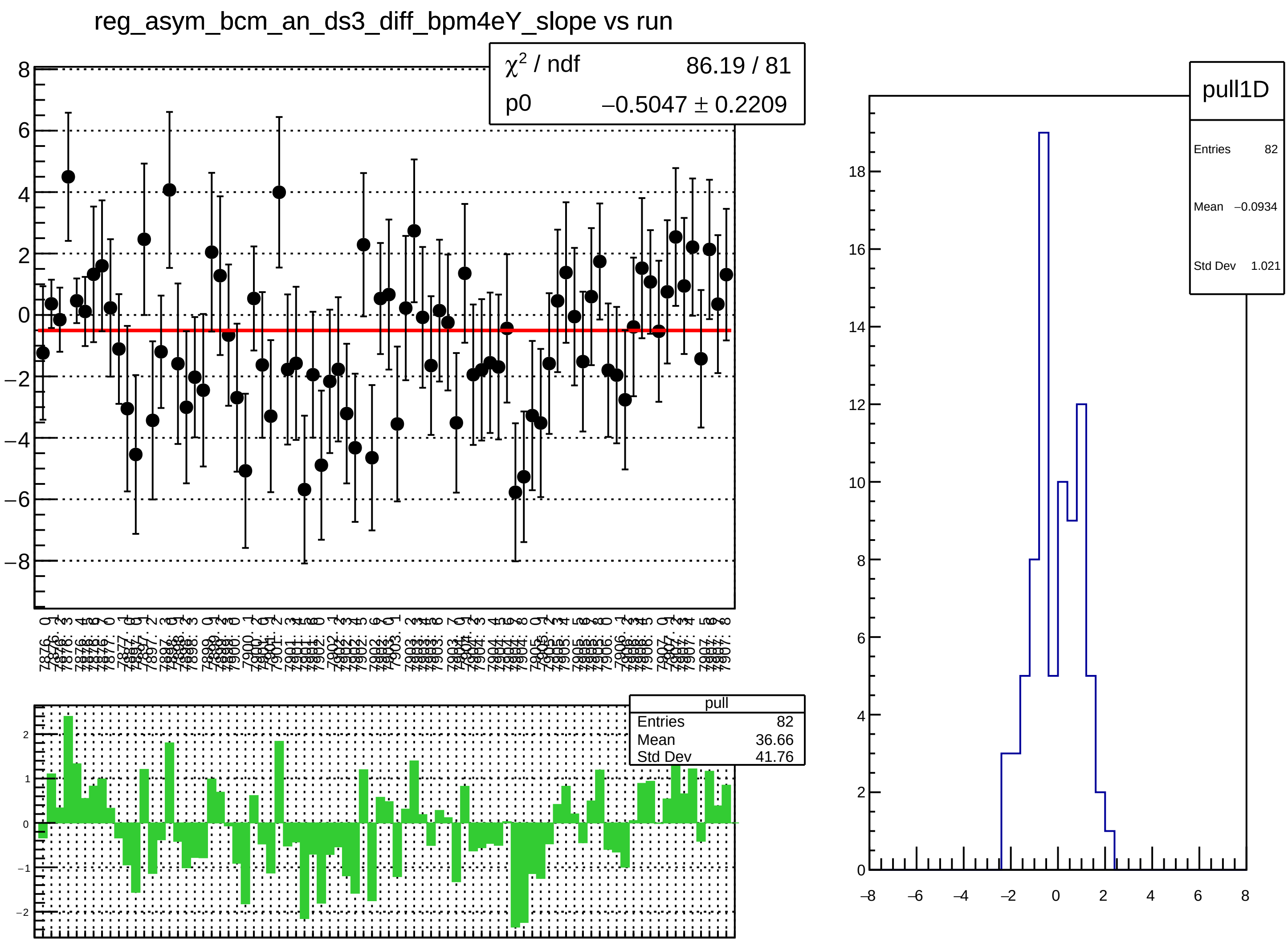
pull1D
Entries 82
Mean 0.8562
Std Dev 2.005



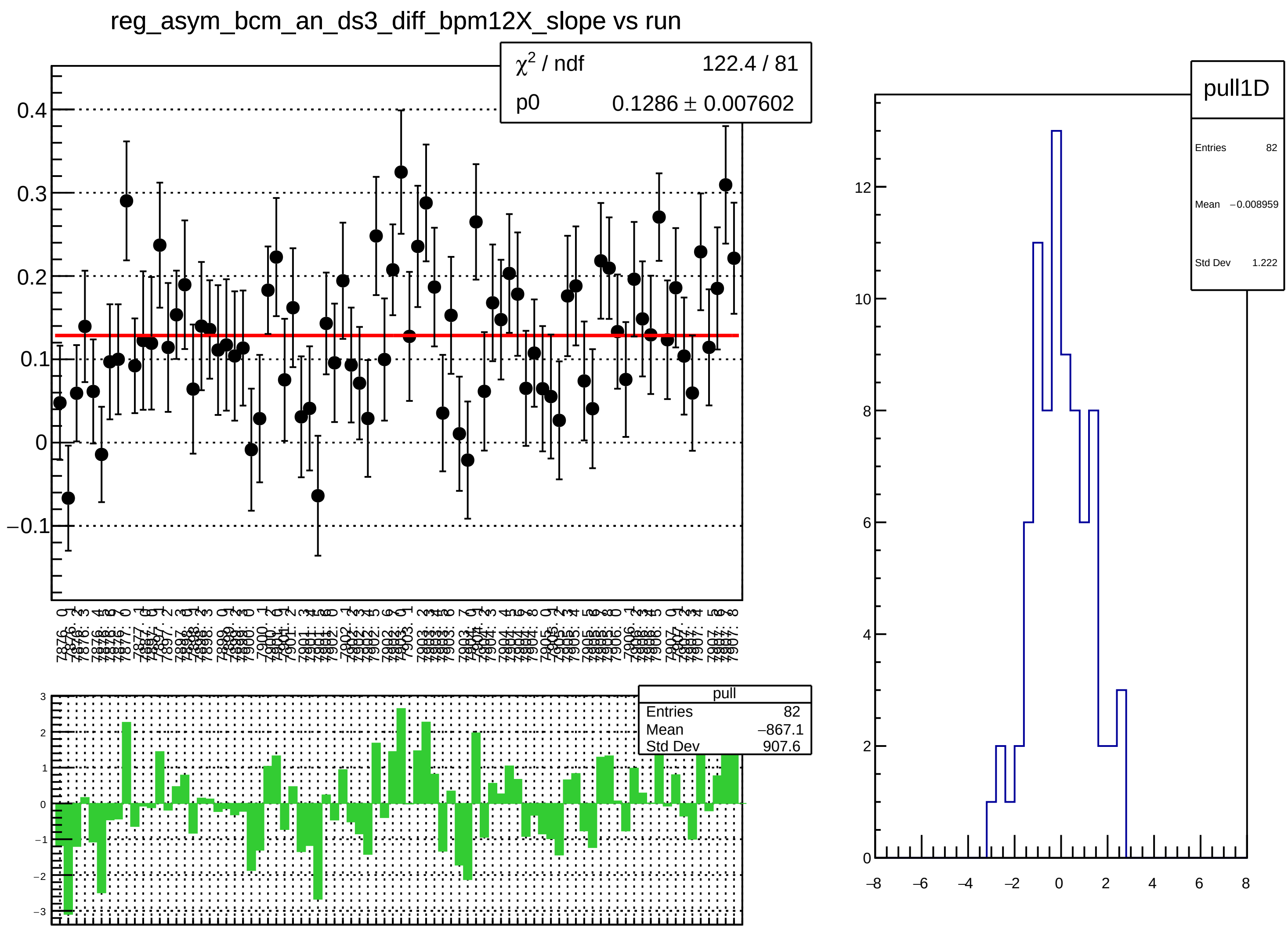
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 71.61 / 81
p0 −0.5994 ± 0.1754
pull
Entries 82
Mean −1867
Std Dev 1972
pull1D
Entries 82
Mean 0.0004454
Std Dev 0.9345



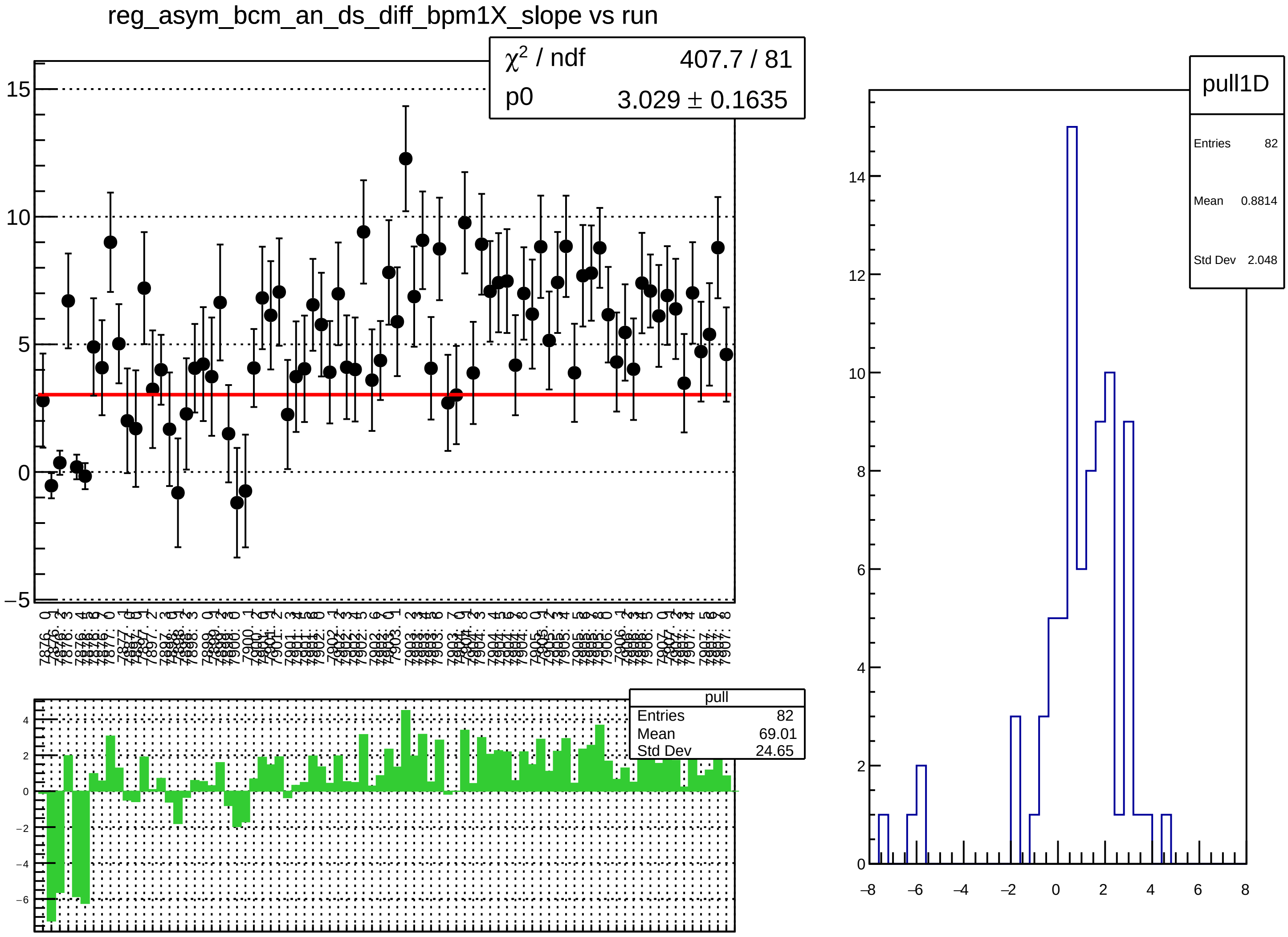
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ2 / ndf 440.3 / 81
p0 −2.347 ± 0.132
pull
Entries 82
Mean 65.19
Std Dev 19.22
pull1D
Entries 82
Mean −1.015
Std Dev 2.083



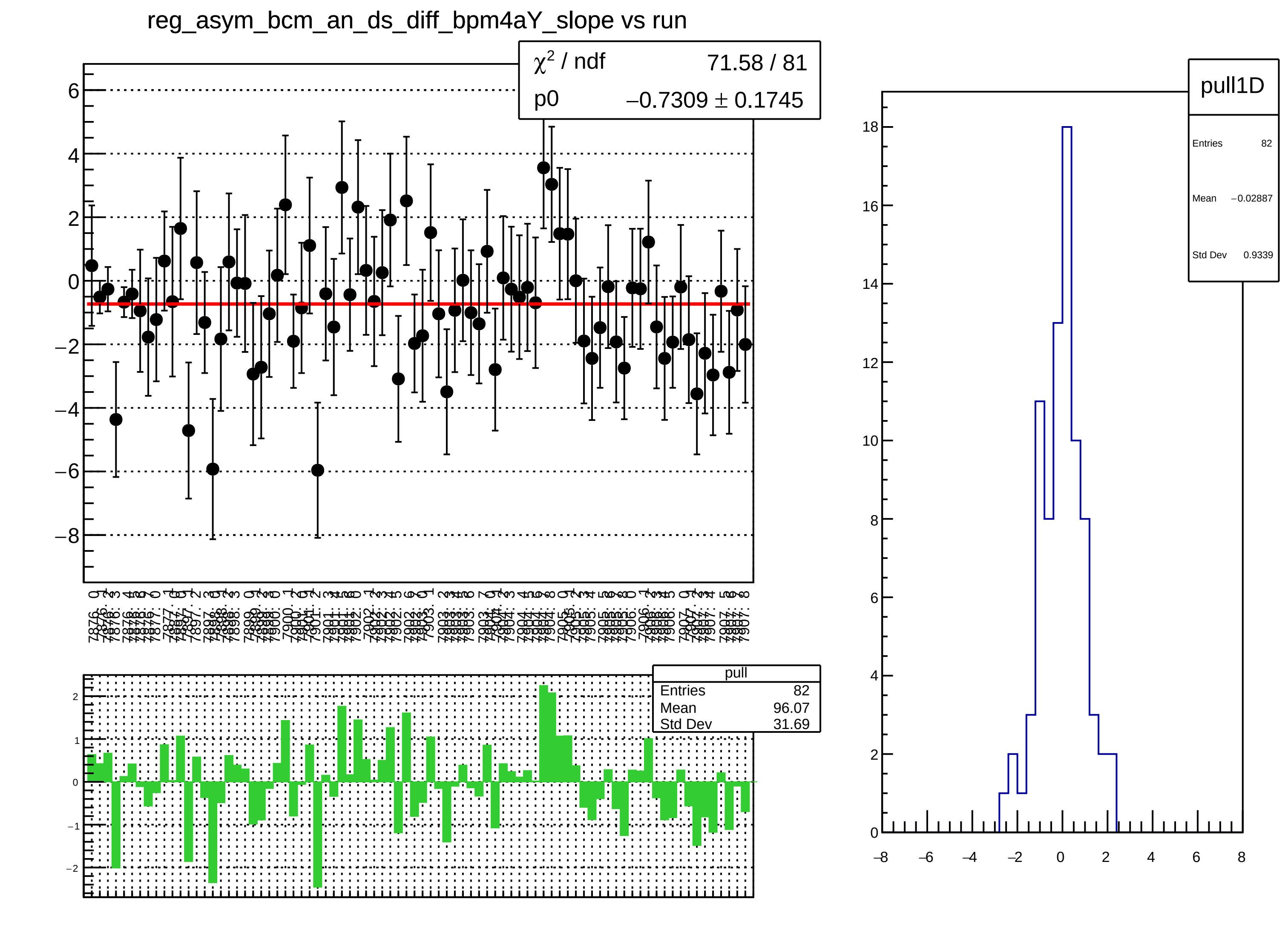
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 86.19 / 81
p0 −0.5047 ± 0.2209
pull
Entries 82
Mean 36.66
Std Dev 41.76
pull1D
Entries 82
Mean −0.0934
Std Dev 1.021

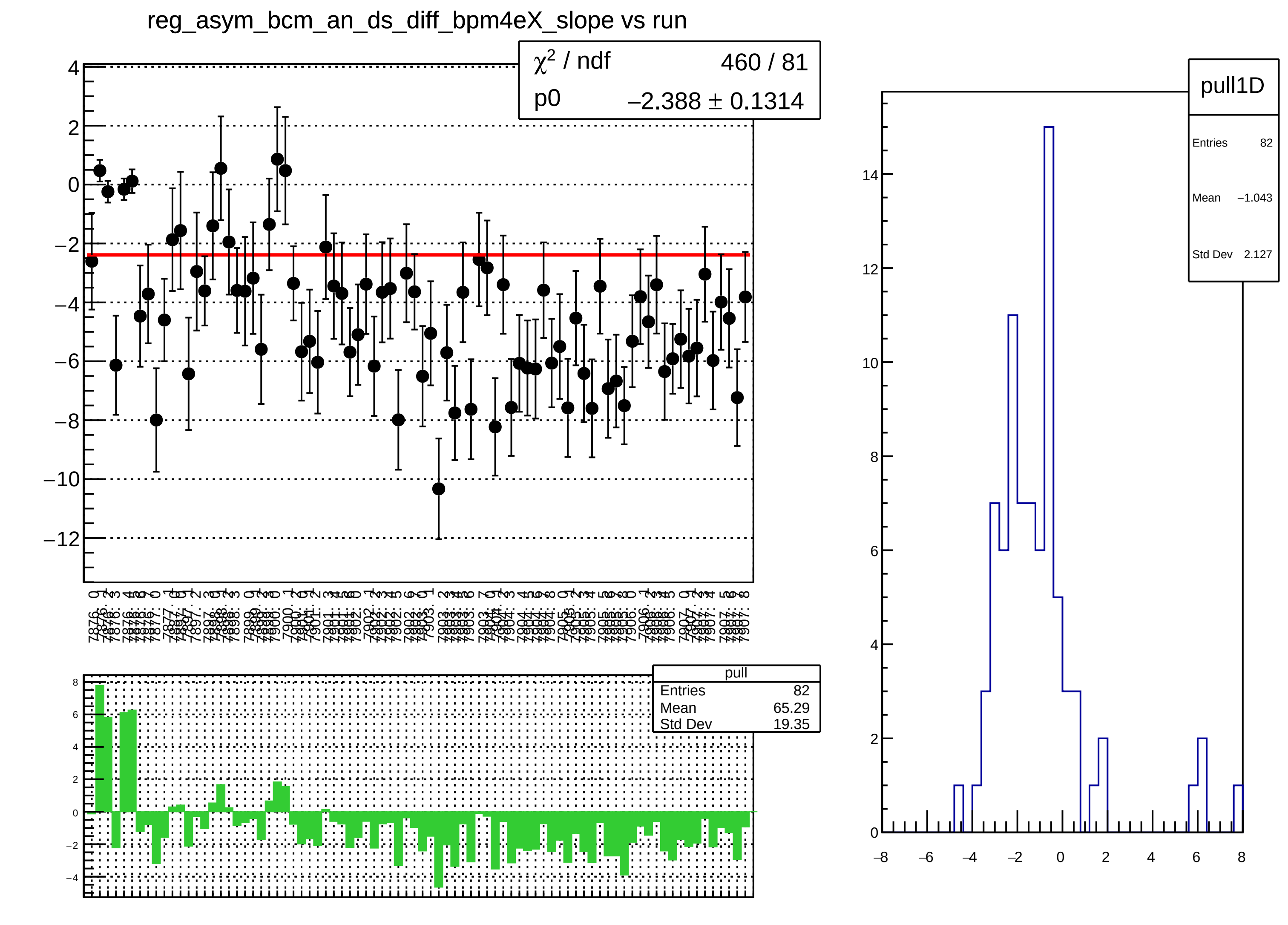


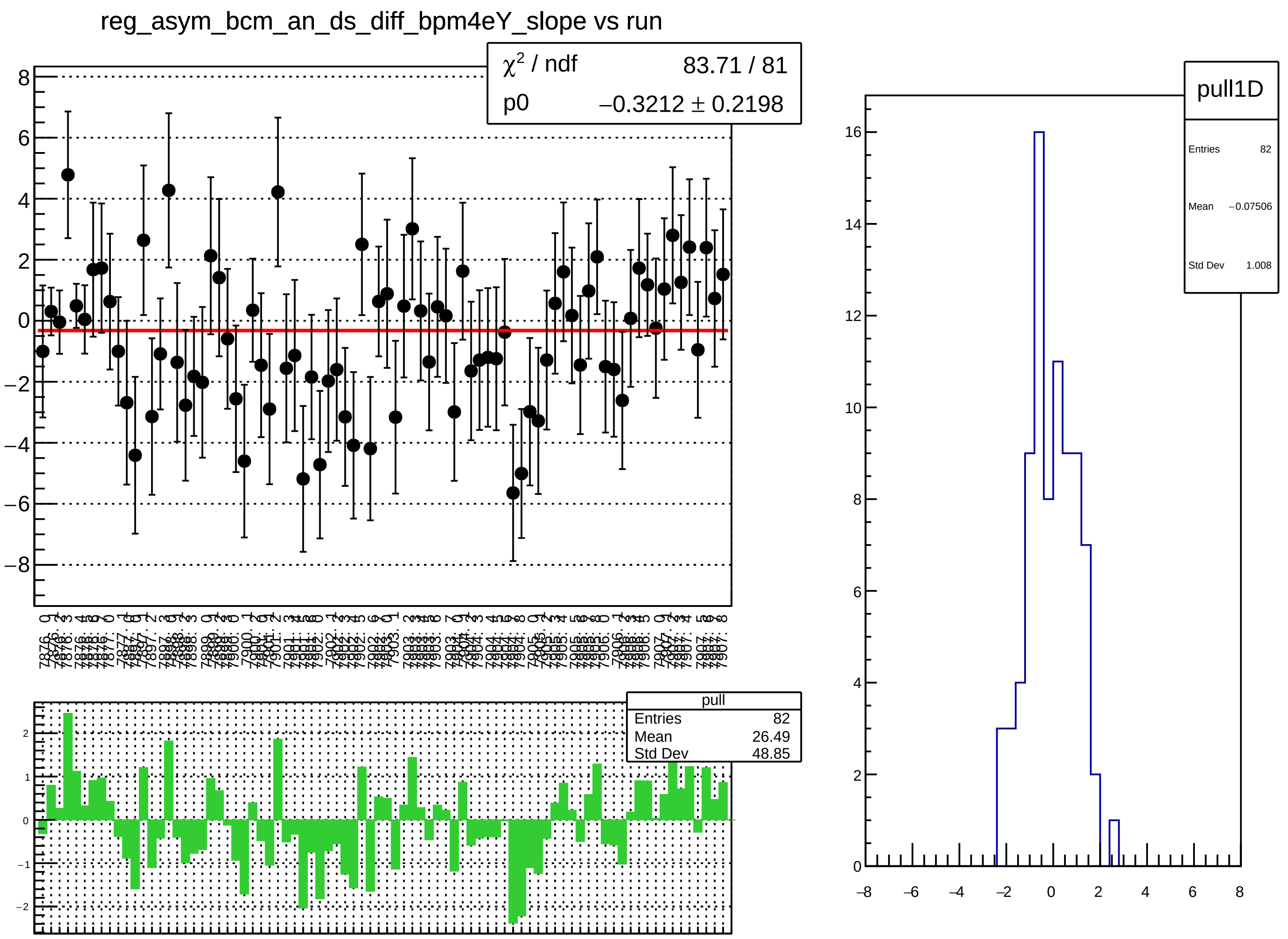
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 122.4 / 81
p0 0.1286 ± 0.007602
pull
Entries 82
Mean −867.1
Std Dev 907.6
pull1D
Entries 82
Mean −0.008959
Std Dev 1.222



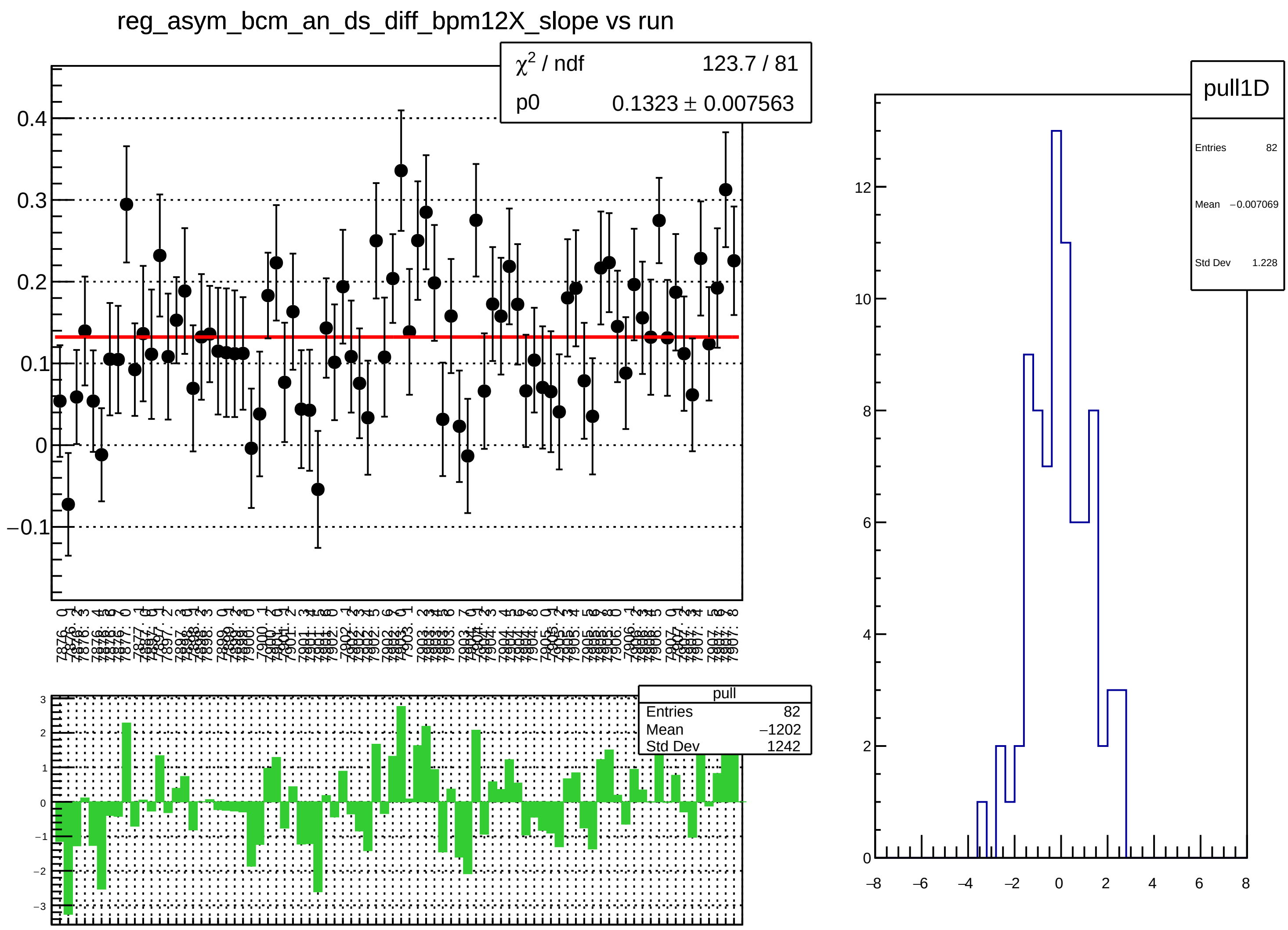
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ2 / ndf 407.7 / 81
p0 3.029 ± 0.1635
pull
Entries 82
Mean 69.01
Std Dev 24.65
pull1D
Entries 82
Mean 0.8814
Std Dev 2.048


reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
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

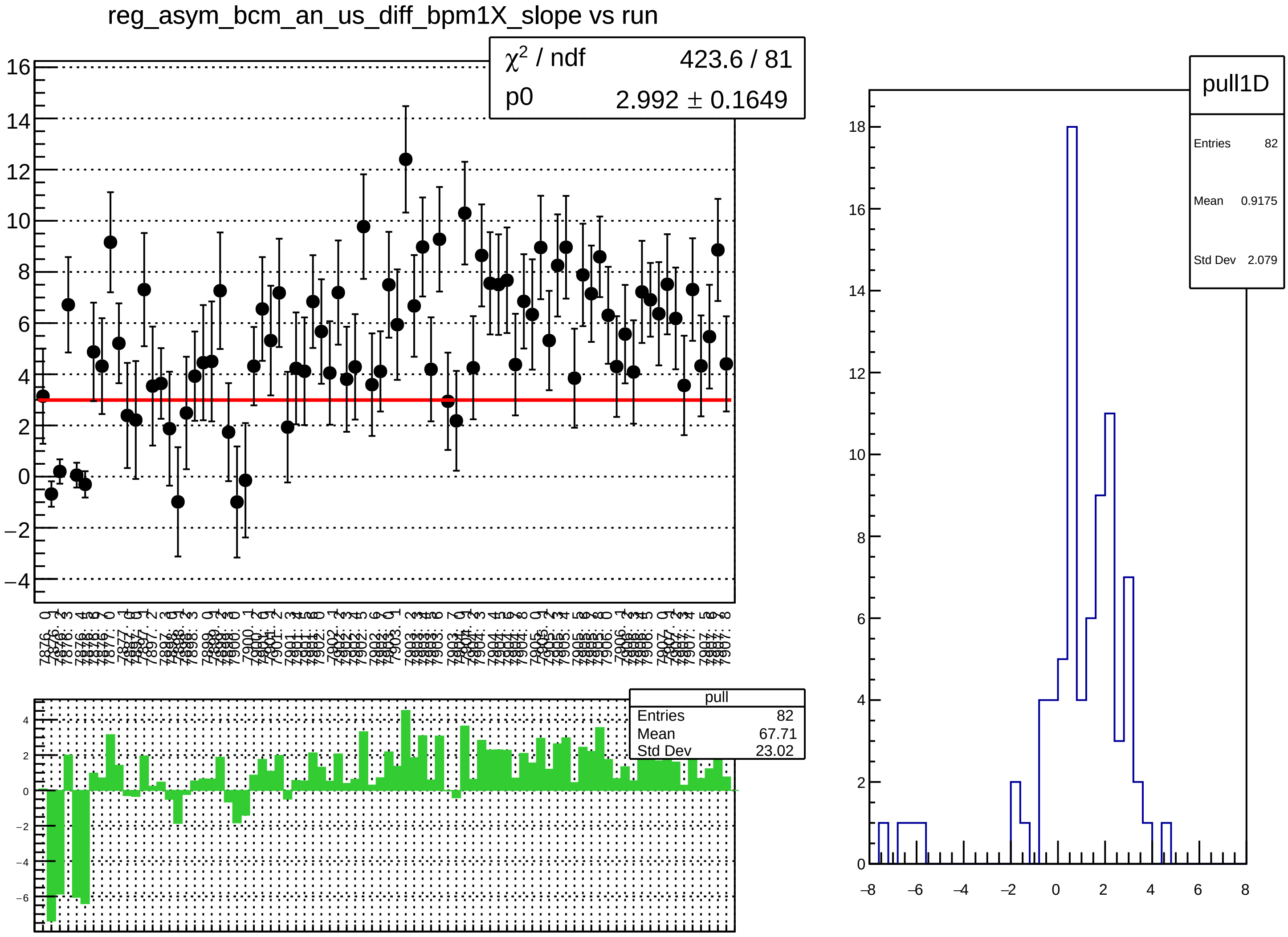

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ2 / ndf 460 / 81
p0 −2.388 ± 0.1314
pull
Entries 82
Mean 65.29
Std Dev 19.35
pull1D
Entries 82
Mean −1.043
Std Dev 2.127



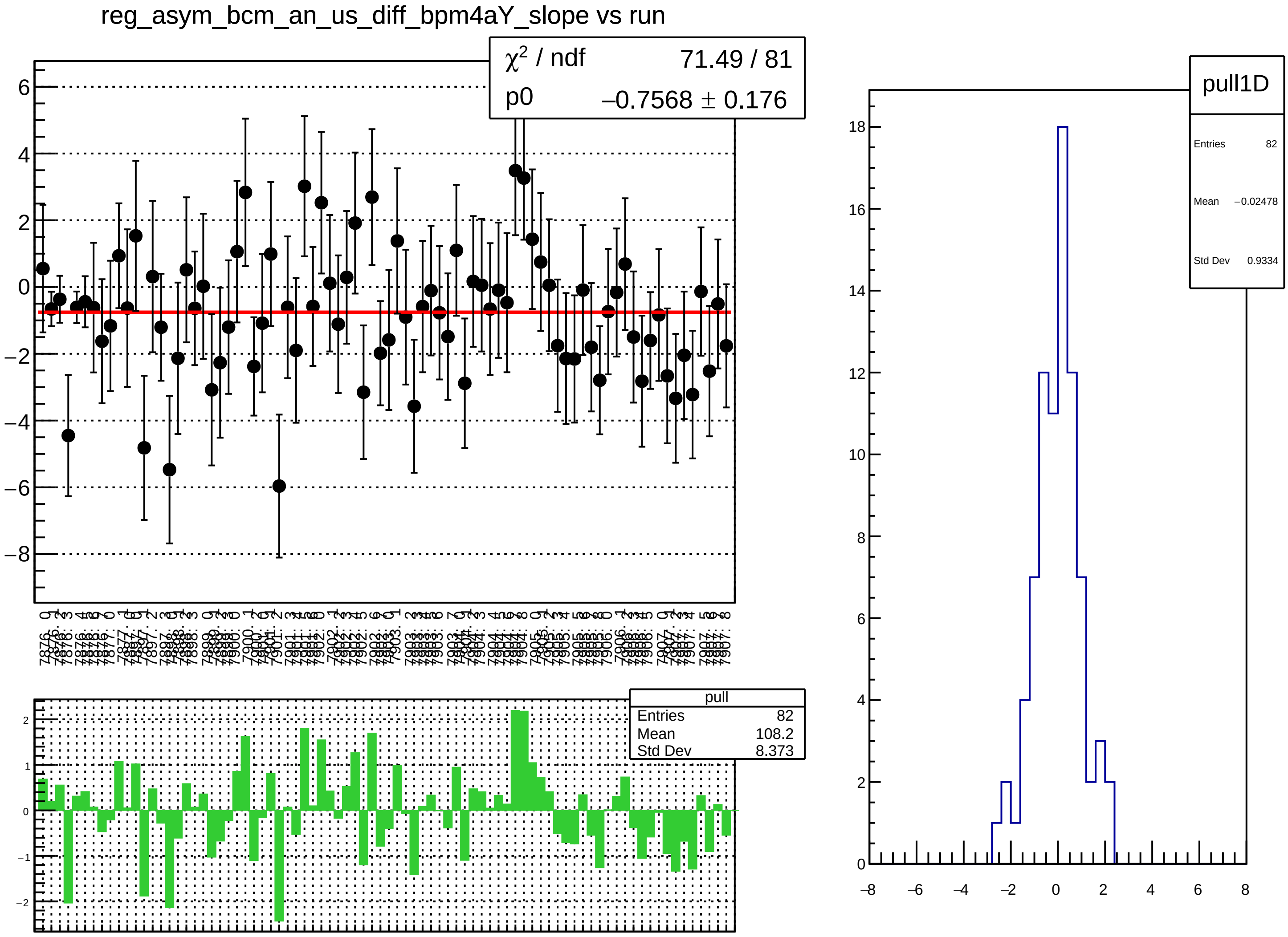
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ2 / ndf 83.71 / 81
p0 −0.3212 ± 0.2198
pull
Entries 82
Mean 26.49
Std Dev 48.85
pull1D
Entries 82
Mean −0.07506
Std Dev 1.008



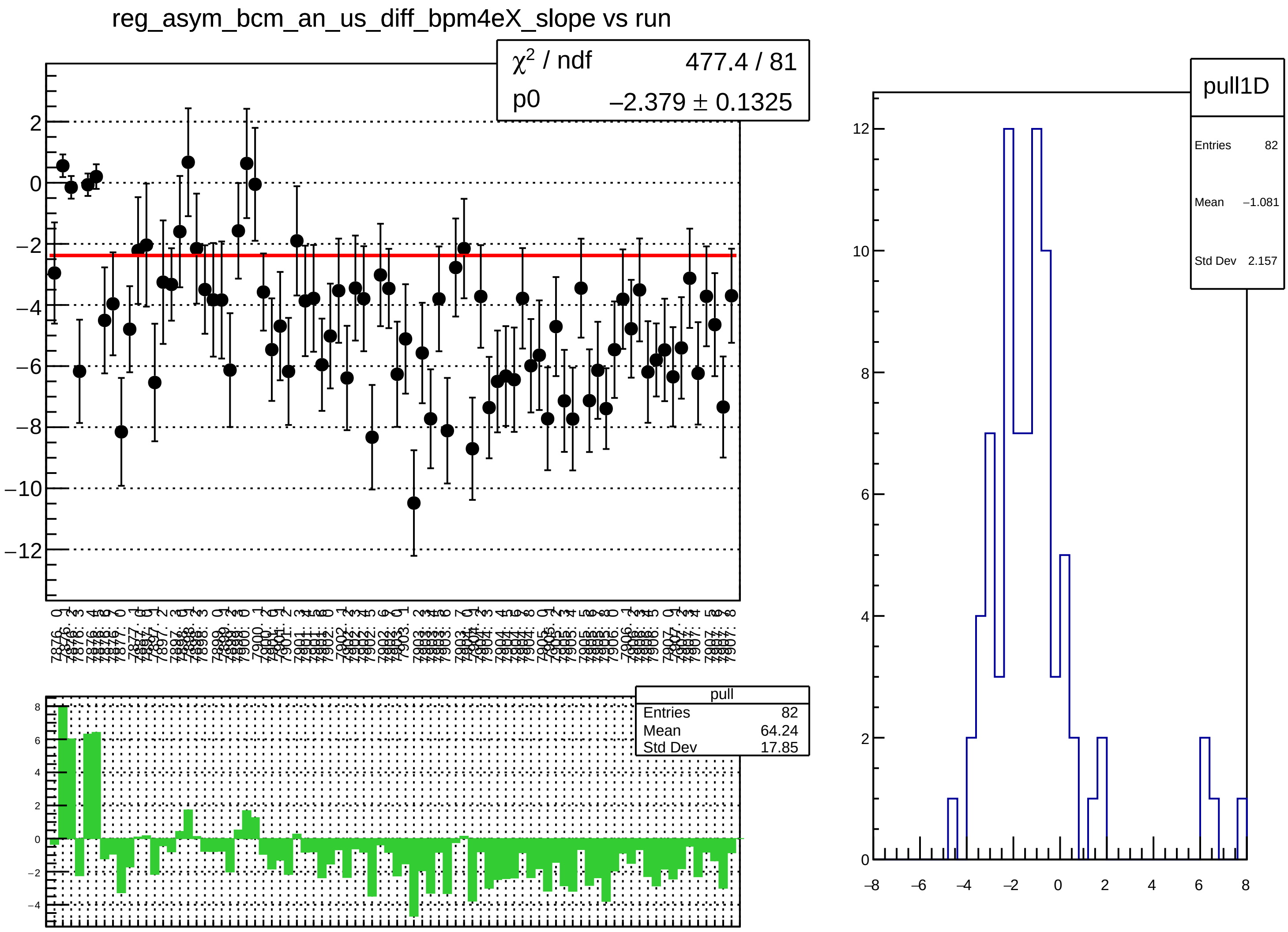
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 123.7 / 81
p0 0.1323 ± 0.007563
pull
Entries 82
Mean −1202
Std Dev 1242
pull1D
Entries 82
Mean −0.007069
Std Dev 1.228

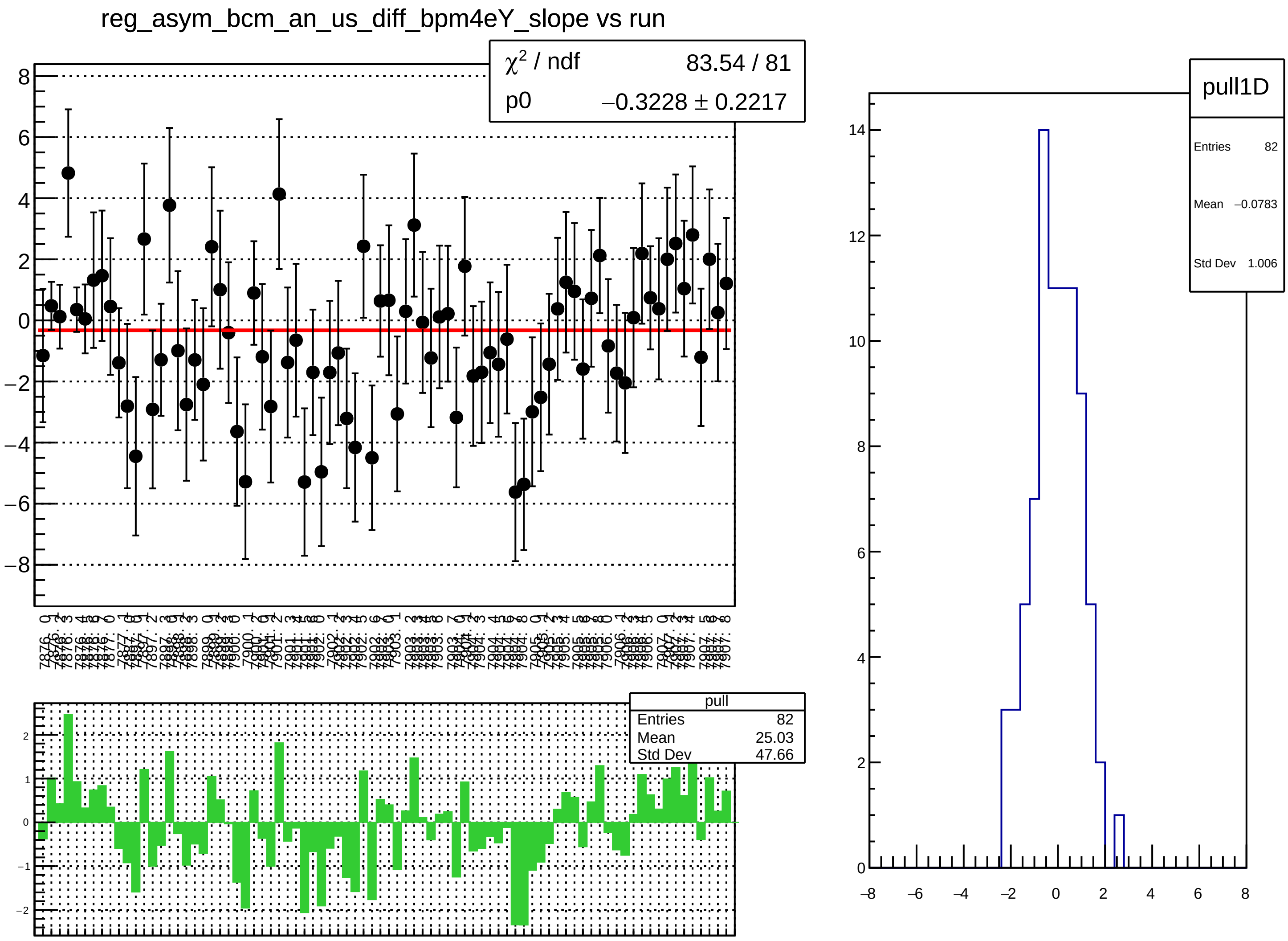


reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 423.6 / 81
p0 2.992 ± 0.1649
pull
Entries 82
Mean 67.71
Std Dev 23.02
pull1D
Entries 82
Mean 0.9175
Std Dev 2.079

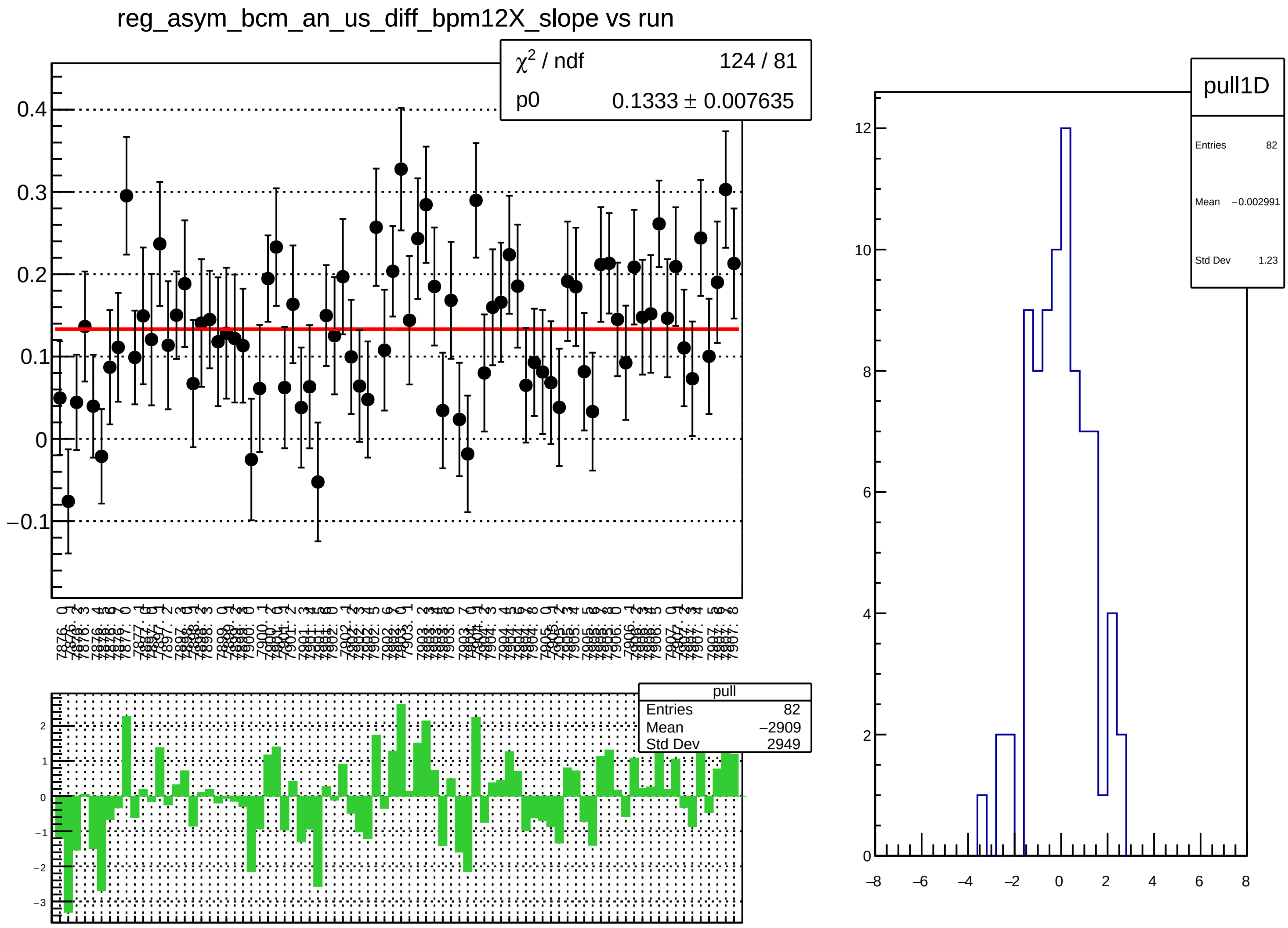


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 71.49 / 81
p0 −0.7568 ± 0.176
pull
Entries 82
Mean 108.2
Std Dev 8.373
pull1D
Entries 82
Mean −0.02478
Std Dev 0.9334

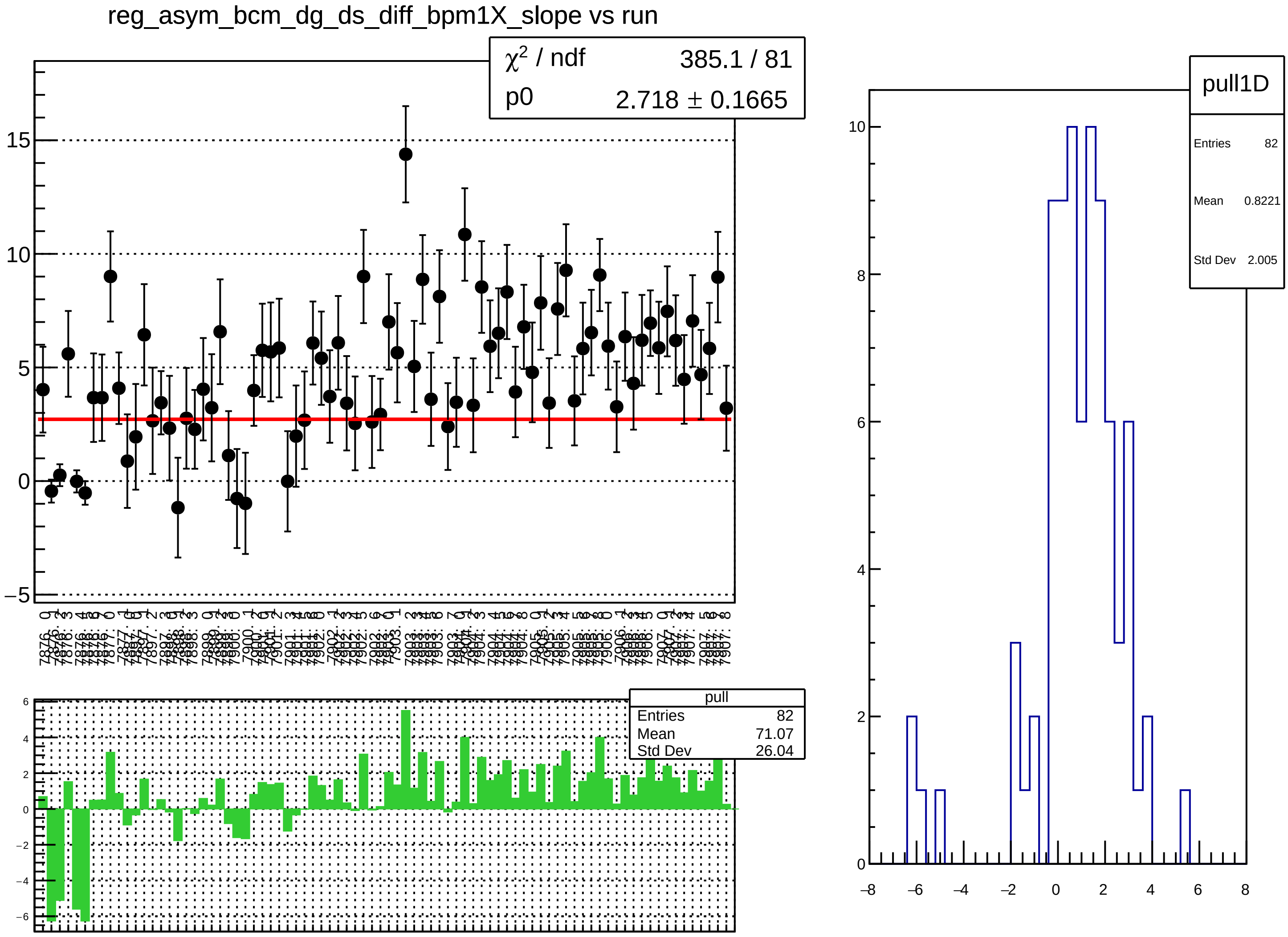

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 477.4 / 81
p0 −2.379 ± 0.1325
pull
Entries 82
Mean 64.24
Std Dev 17.85
pull1D
Entries 82
Mean −1.081
Std Dev 2.157



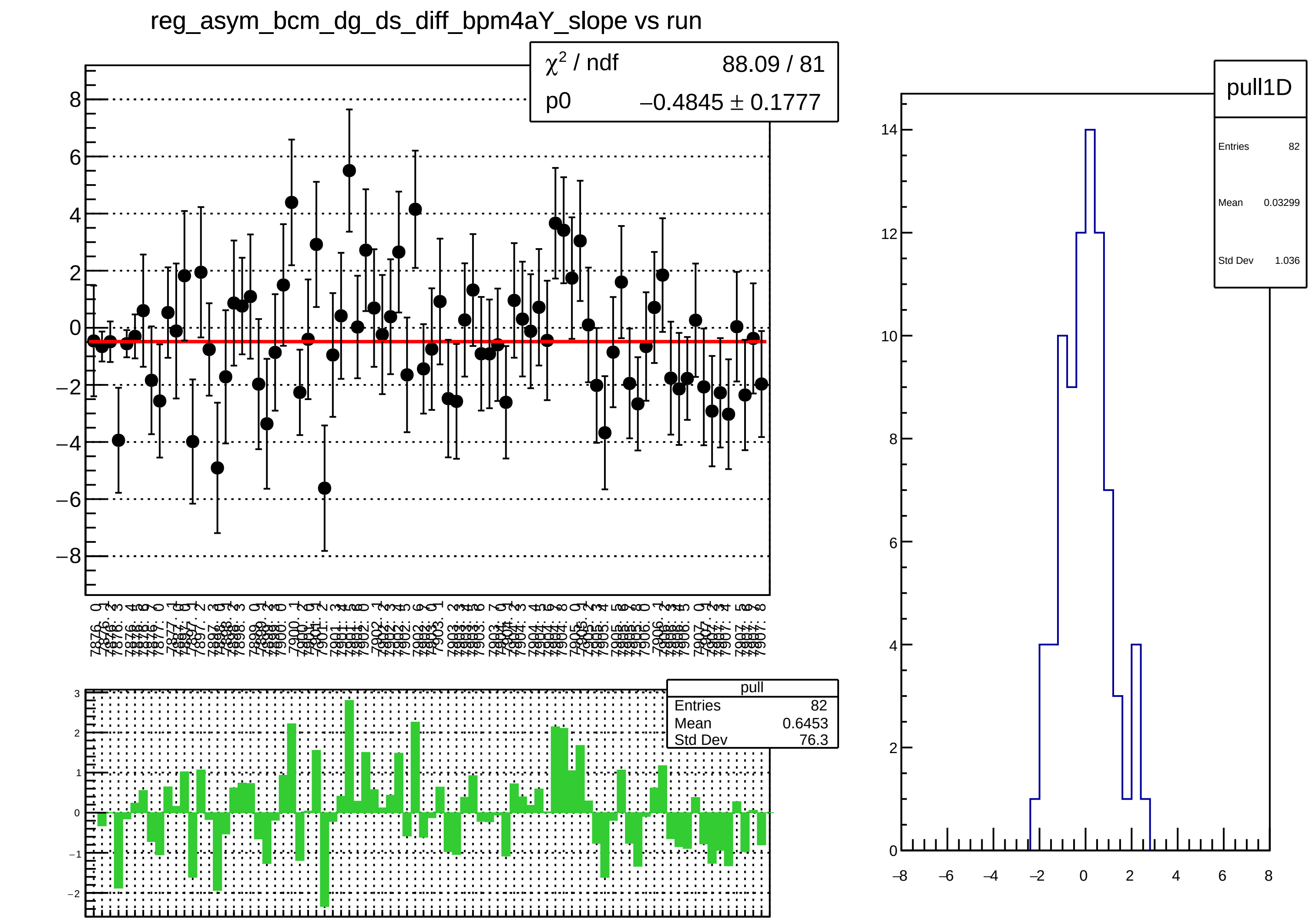
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ2 / ndf 83.54 / 81
p0 −0.3228 ± 0.2217
pull
Entries 82
Mean 25.03
Std Dev 47.66
pull1D
Entries 82
Mean −0.0783
Std Dev 1.006



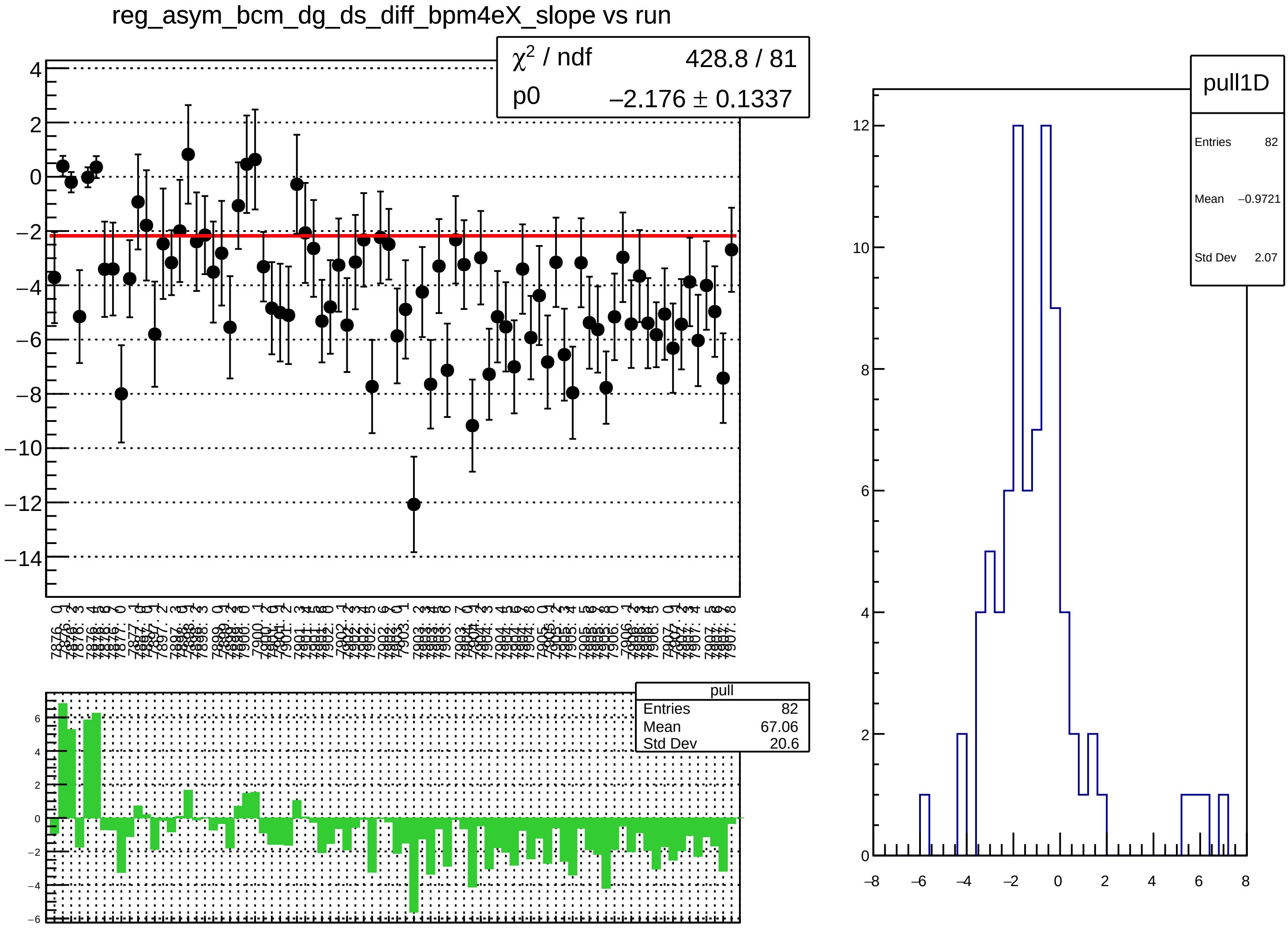
reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 124 / 81
p0 0.1333 ± 0.007635
pull
Entries 82
Mean −2909
Std Dev 2949
pull1D
Entries 82
Mean −0.002991
Std Dev 1.23

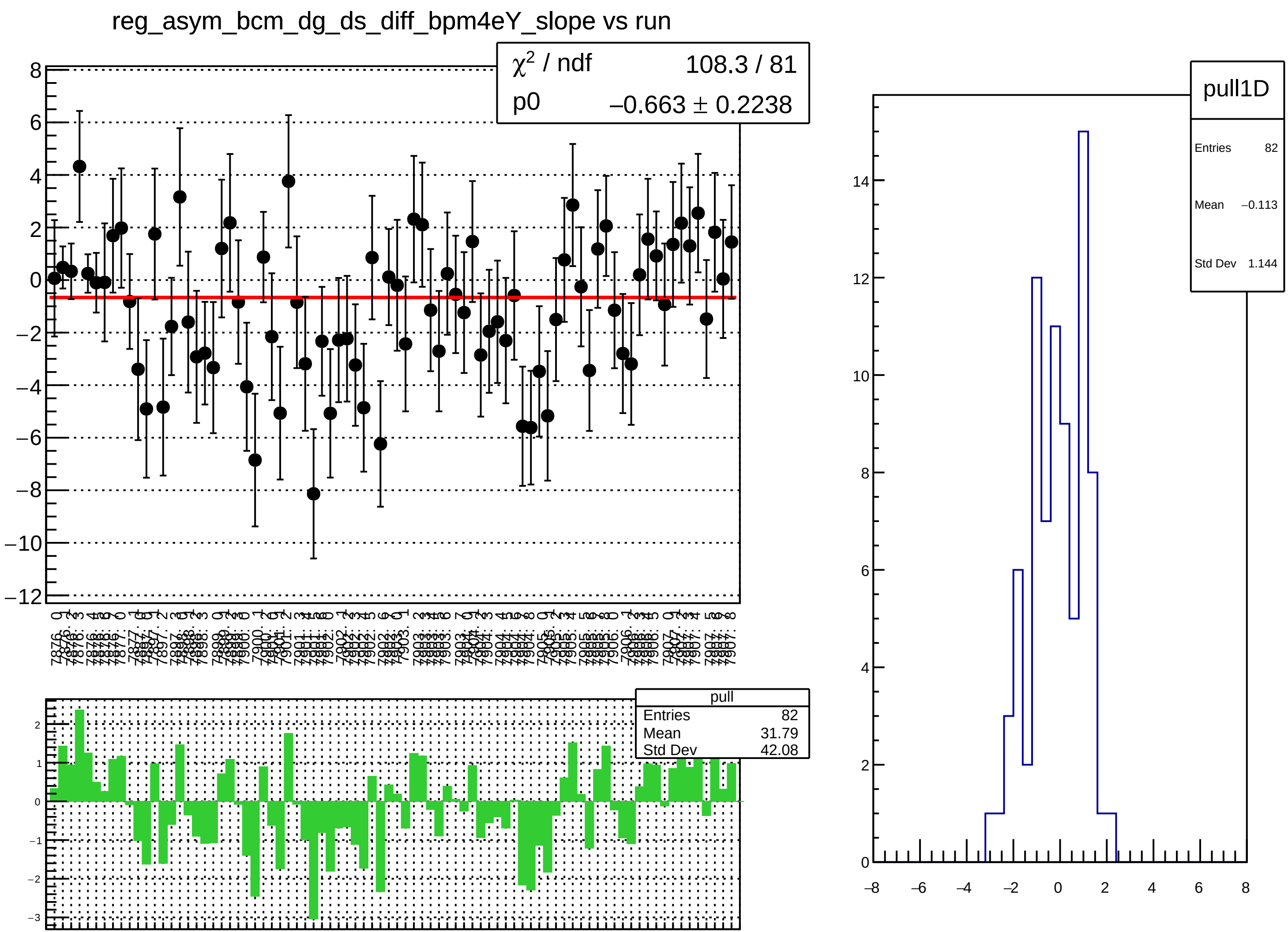


reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 385.1 / 81
p0 2.718 ± 0.1665
pull
Entries 82
Mean 71.07
Std Dev 26.04
pull1D
Entries 82
Mean 0.8221
Std Dev 2.005

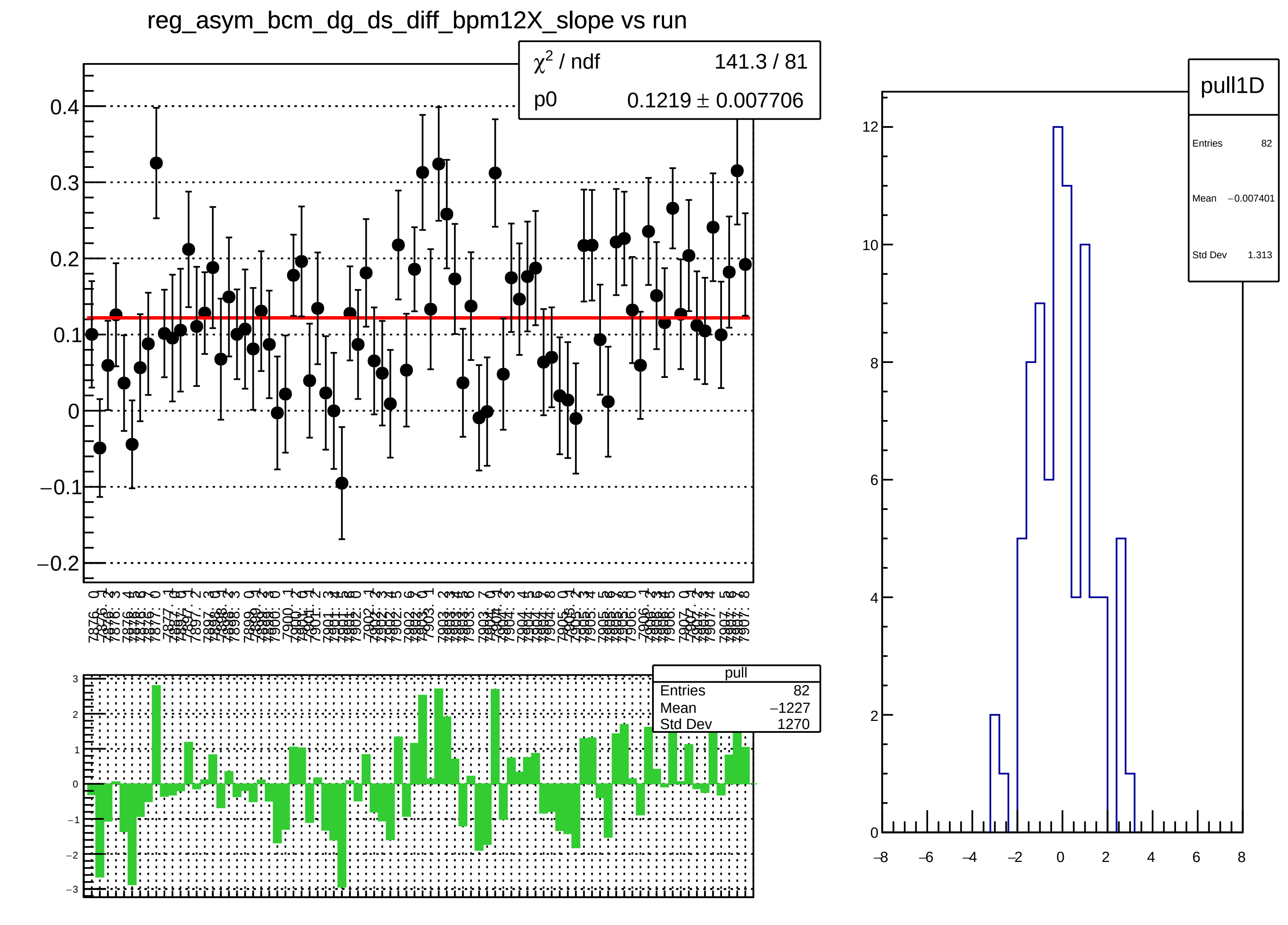


reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ2 / ndf 88.09 / 81
p0 −0.4845 ± 0.1777
pull
Entries 82
Mean 0.6453
Std Dev 76.3
pull1D
Entries 82
Mean 0.03299
Std Dev 1.036

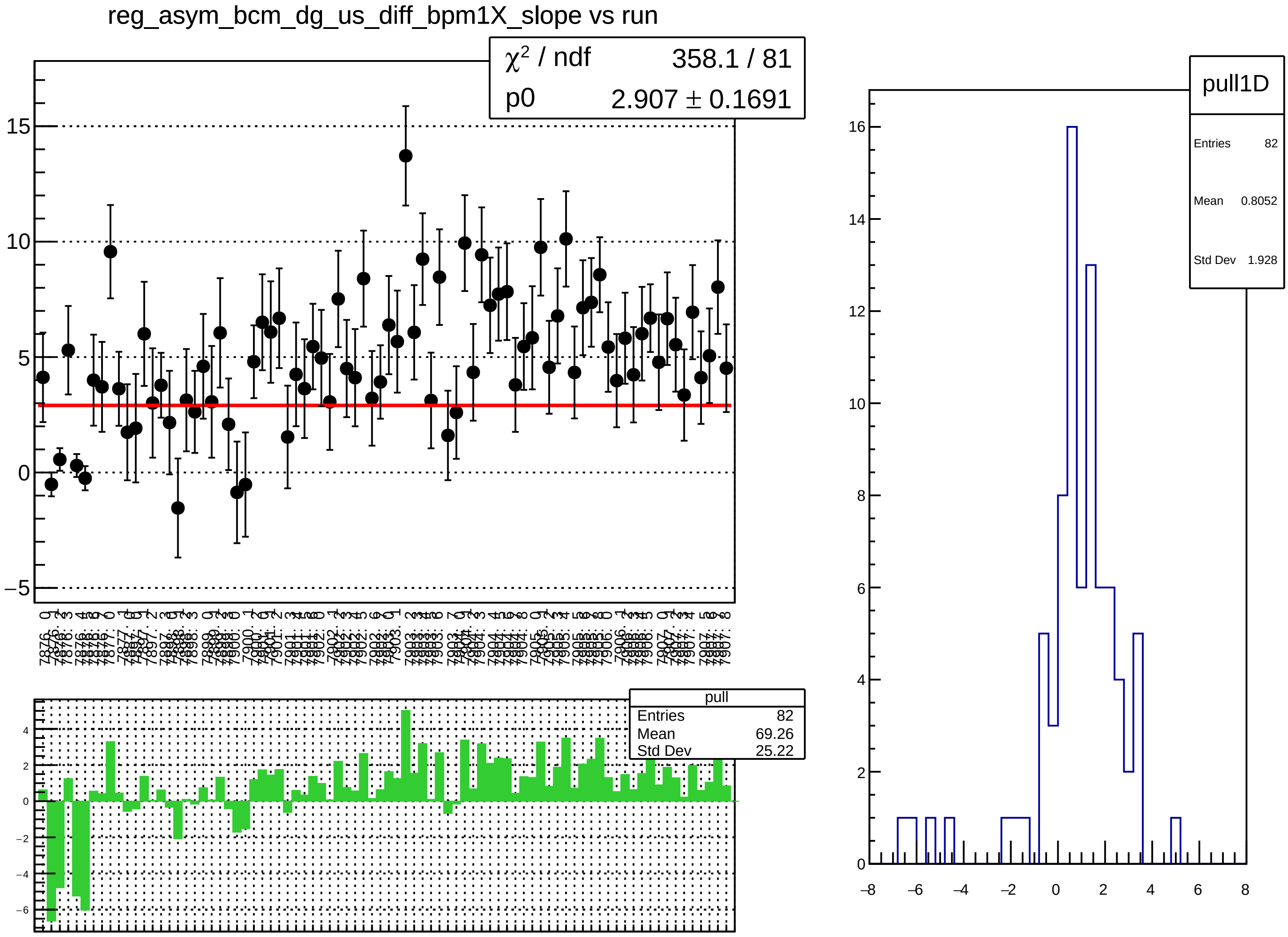

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ2 / ndf 428.8 / 81
p0 −2.176 ± 0.1337
pull
Entries 82
Mean 67.06
Std Dev 20.6
pull1D
Entries 82
Mean −0.9721
Std Dev 2.07



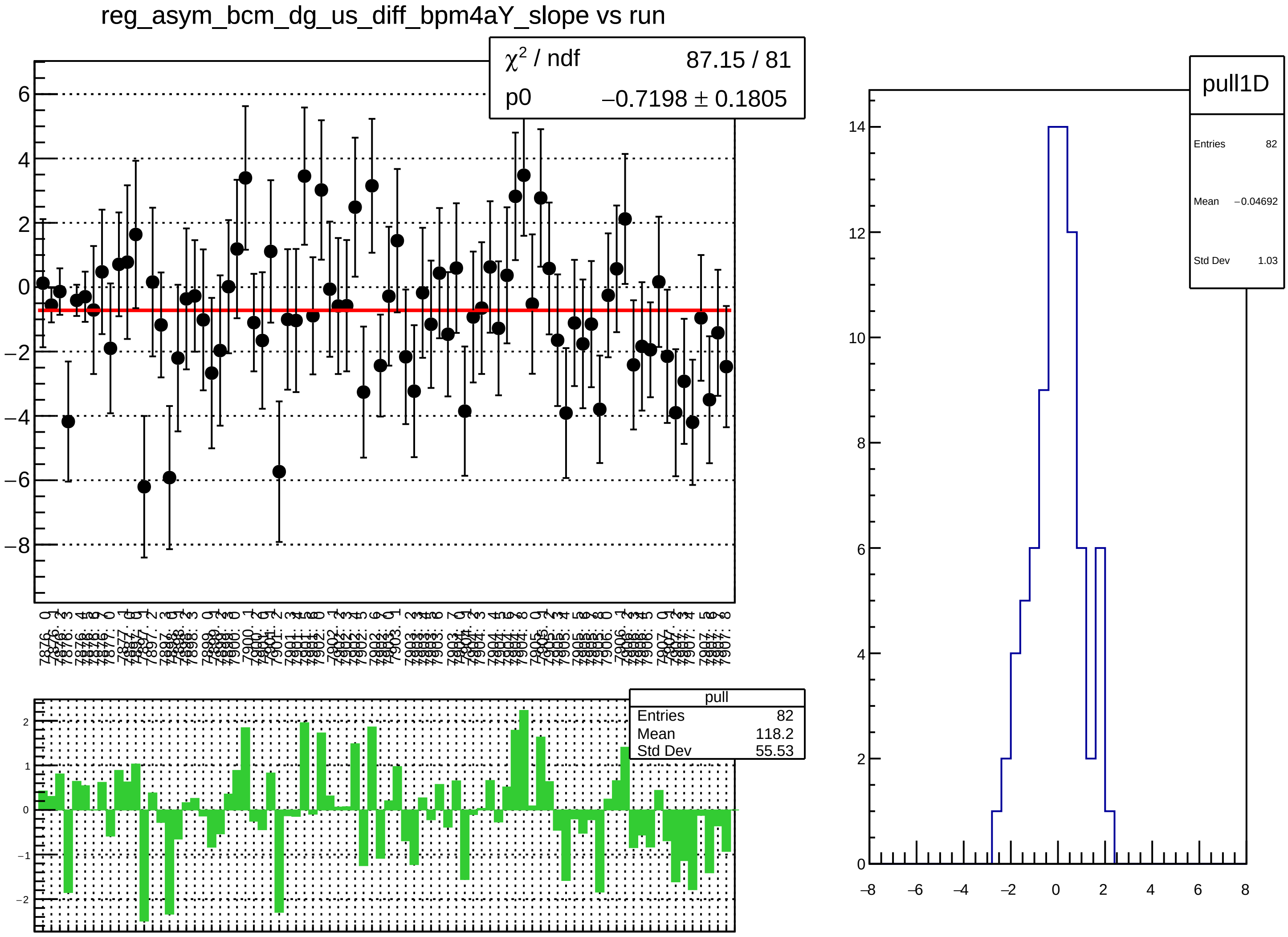
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 108.3 / 81
p0 −0.663 ± 0.2238
pull
Entries 82
Mean 31.79
Std Dev 42.08
pull1D
Entries 82
Mean −0.113
Std Dev 1.144



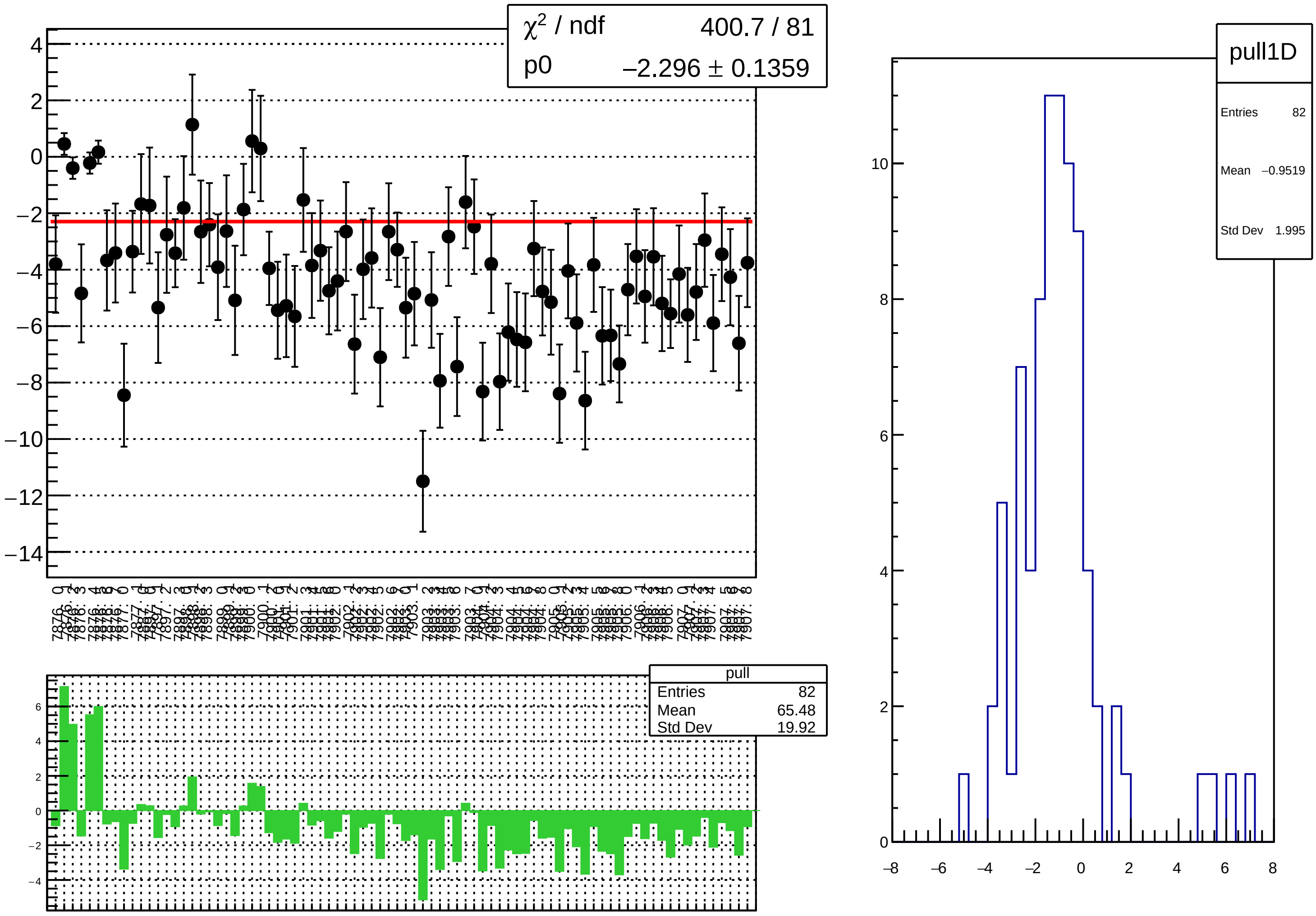
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 141.3 / 81
p0 0.1219 ± 0.007706
pull
Entries 82
Mean −1227
Std Dev 1270
pull1D
Entries 82
Mean −0.007401
Std Dev 1.313

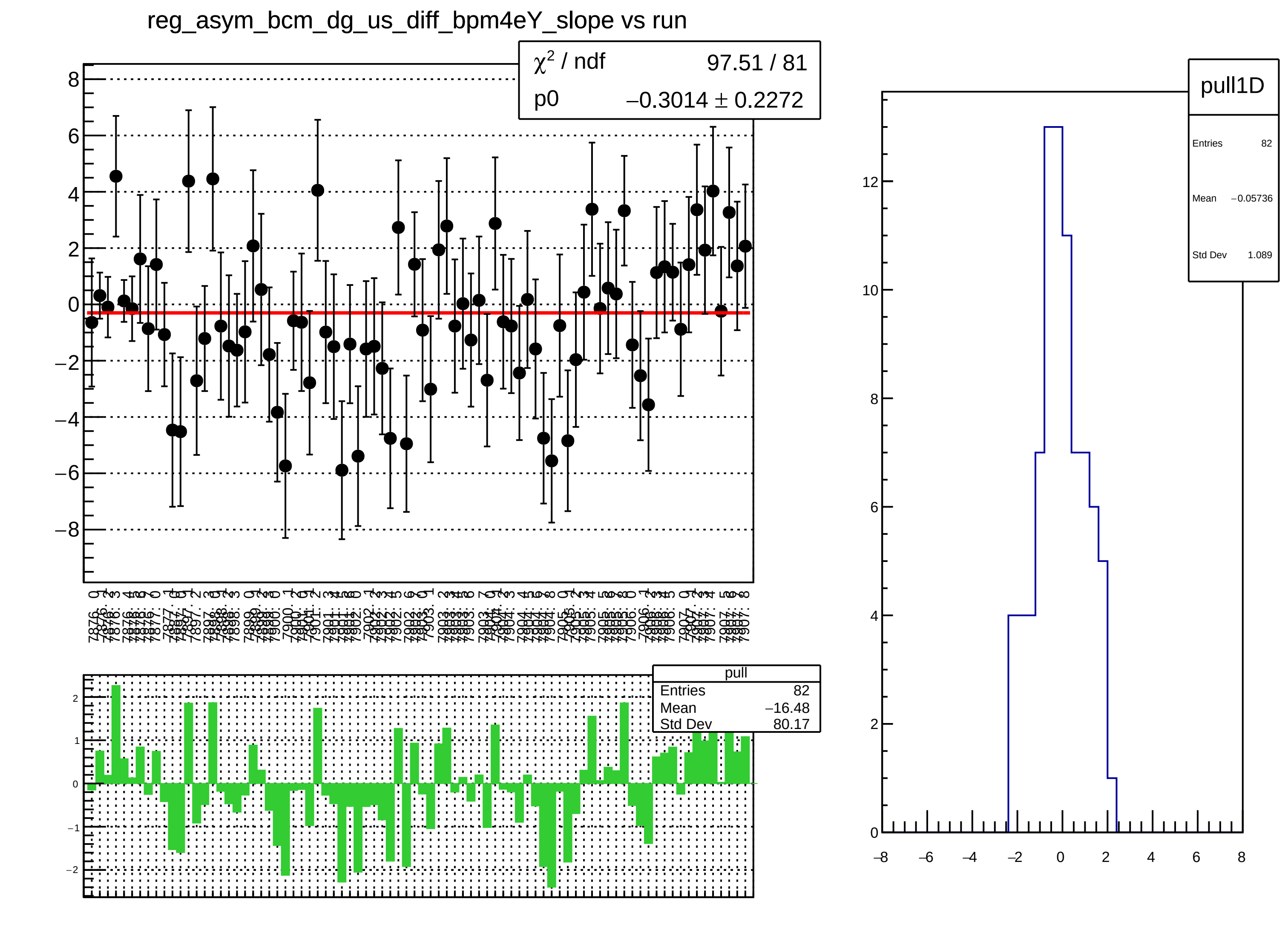


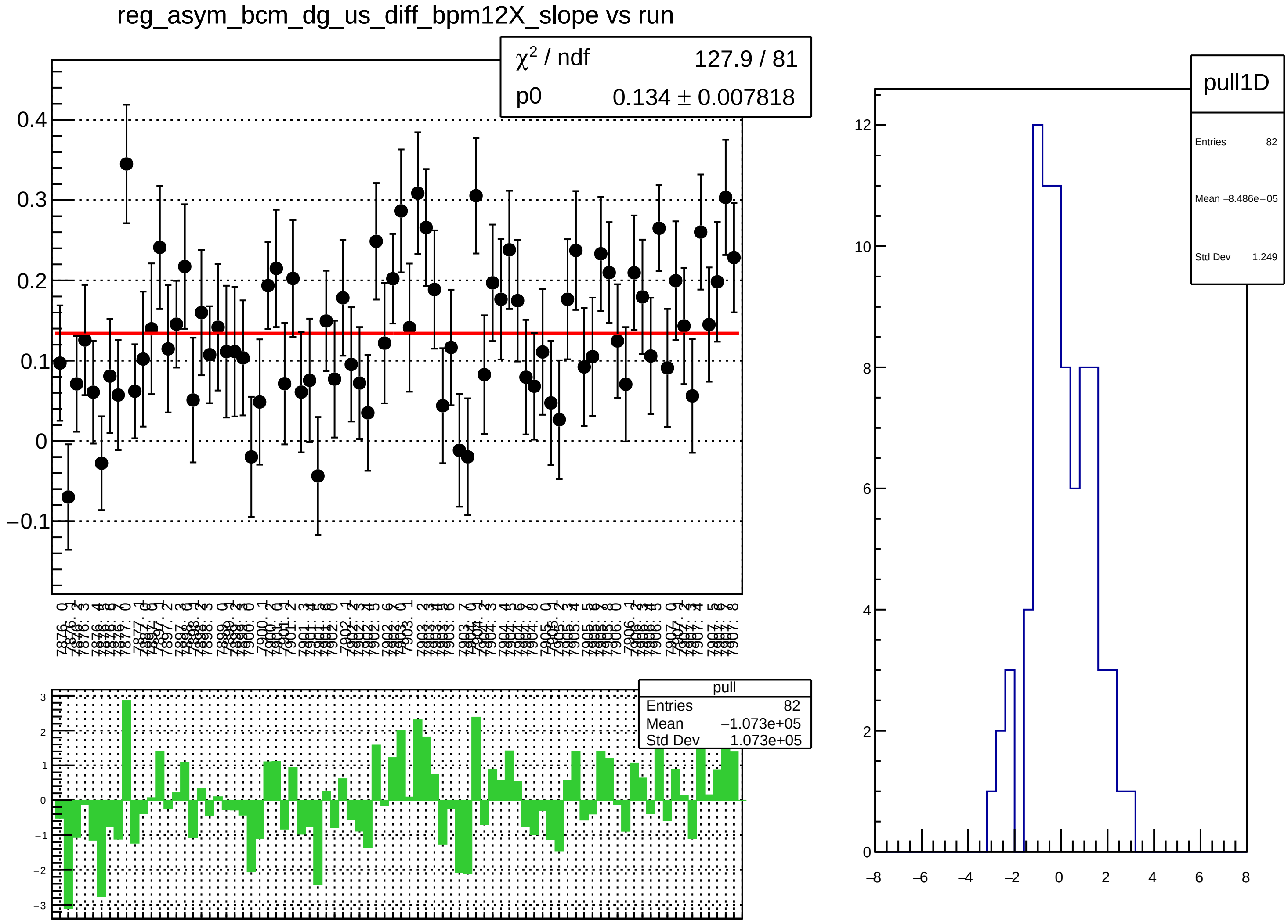
reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ2 / ndf 358.1 / 81
p0 2.907 ± 0.1691
pull
Entries 82
Mean 69.26
Std Dev 25.22
pull1D
Entries 82
Mean 0.8052
Std Dev 1.928


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
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




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


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
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