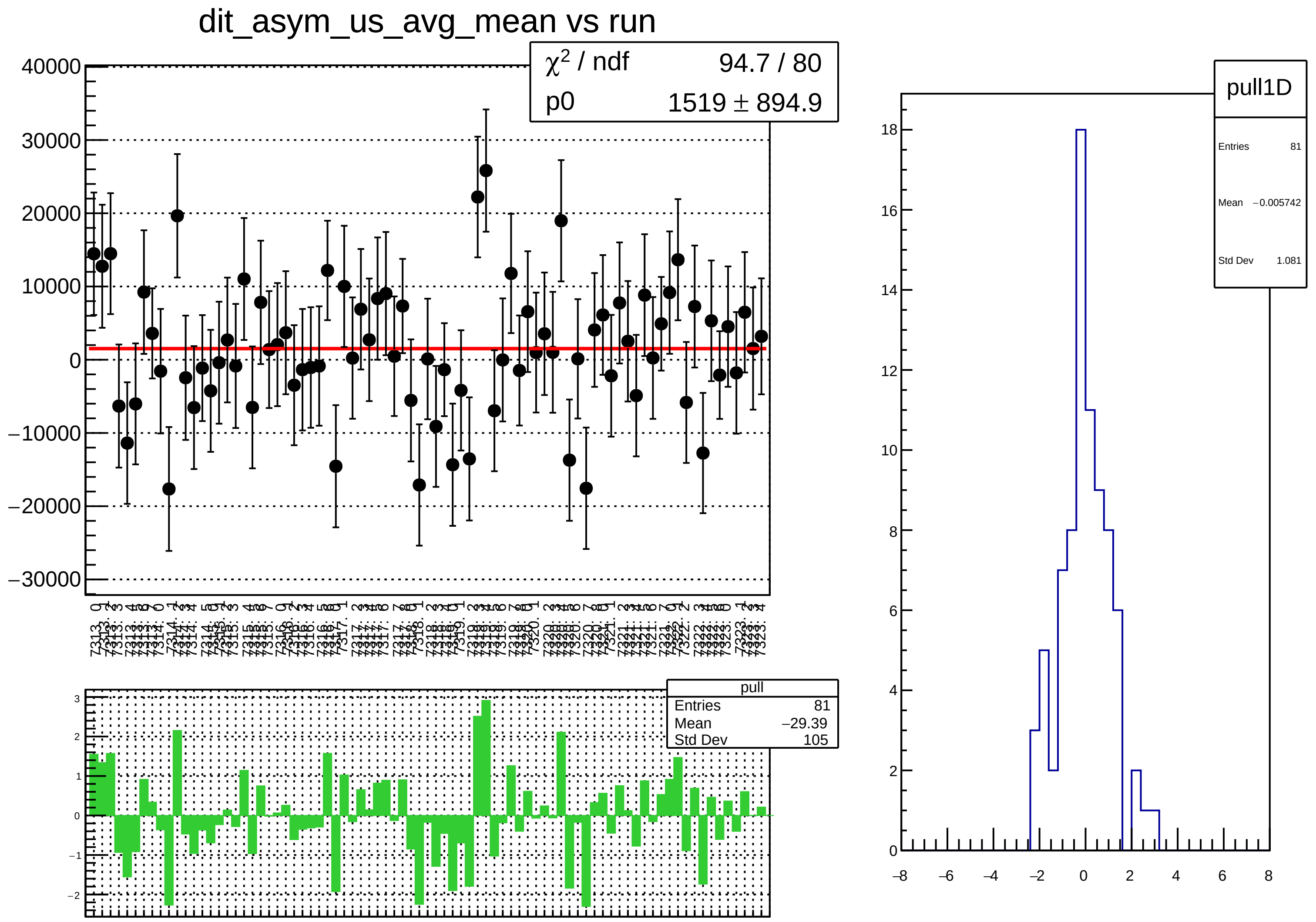
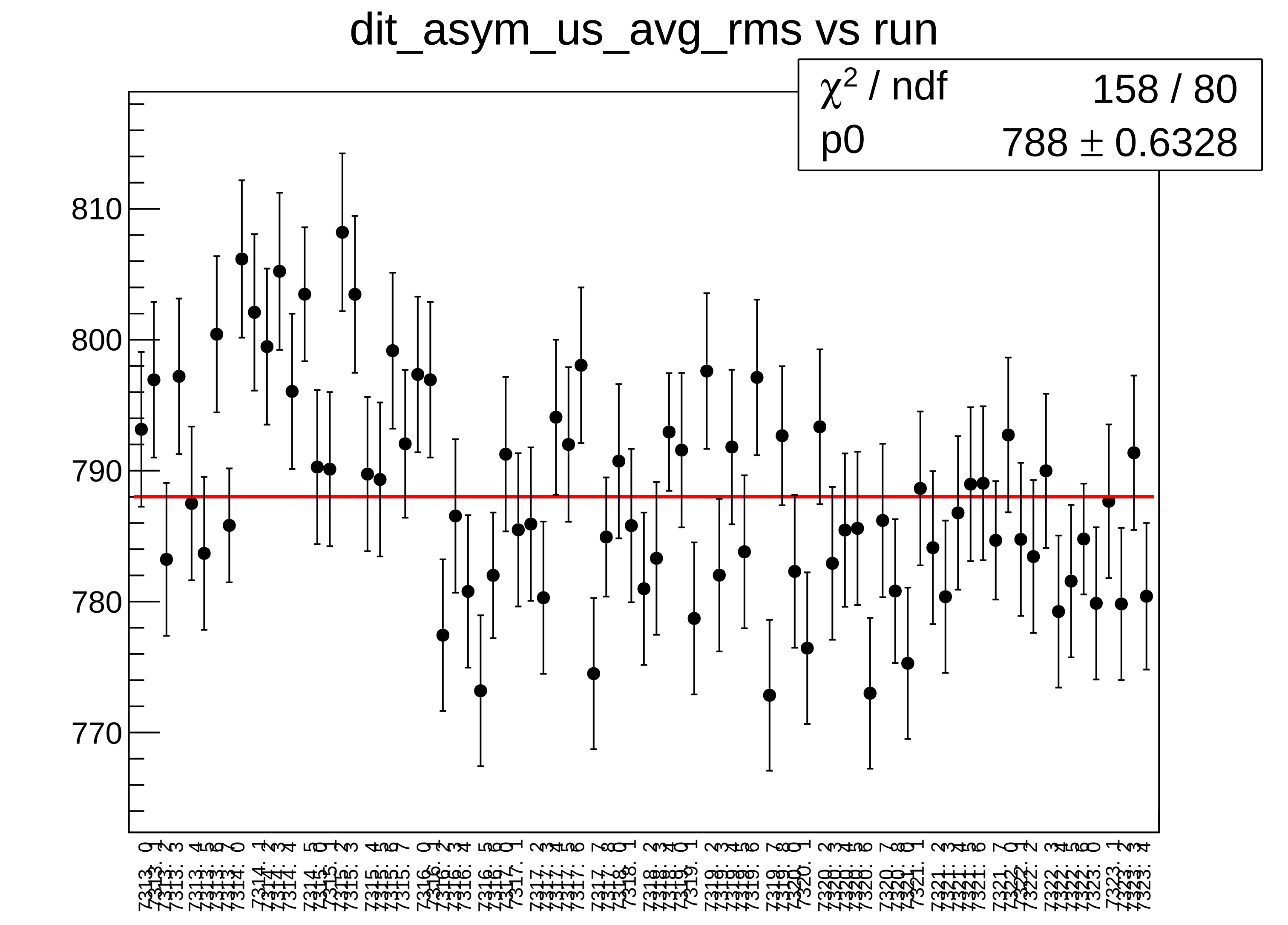
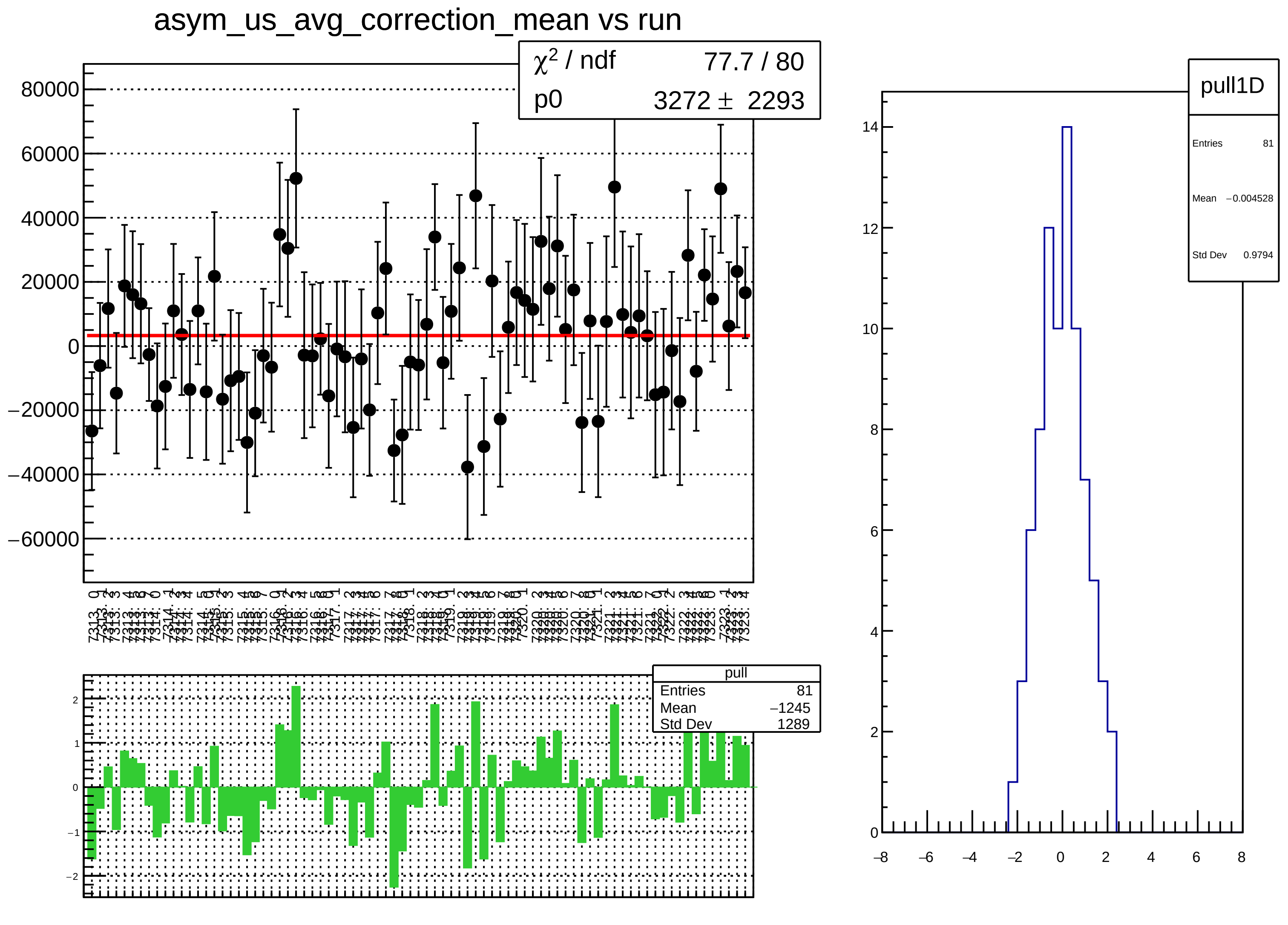
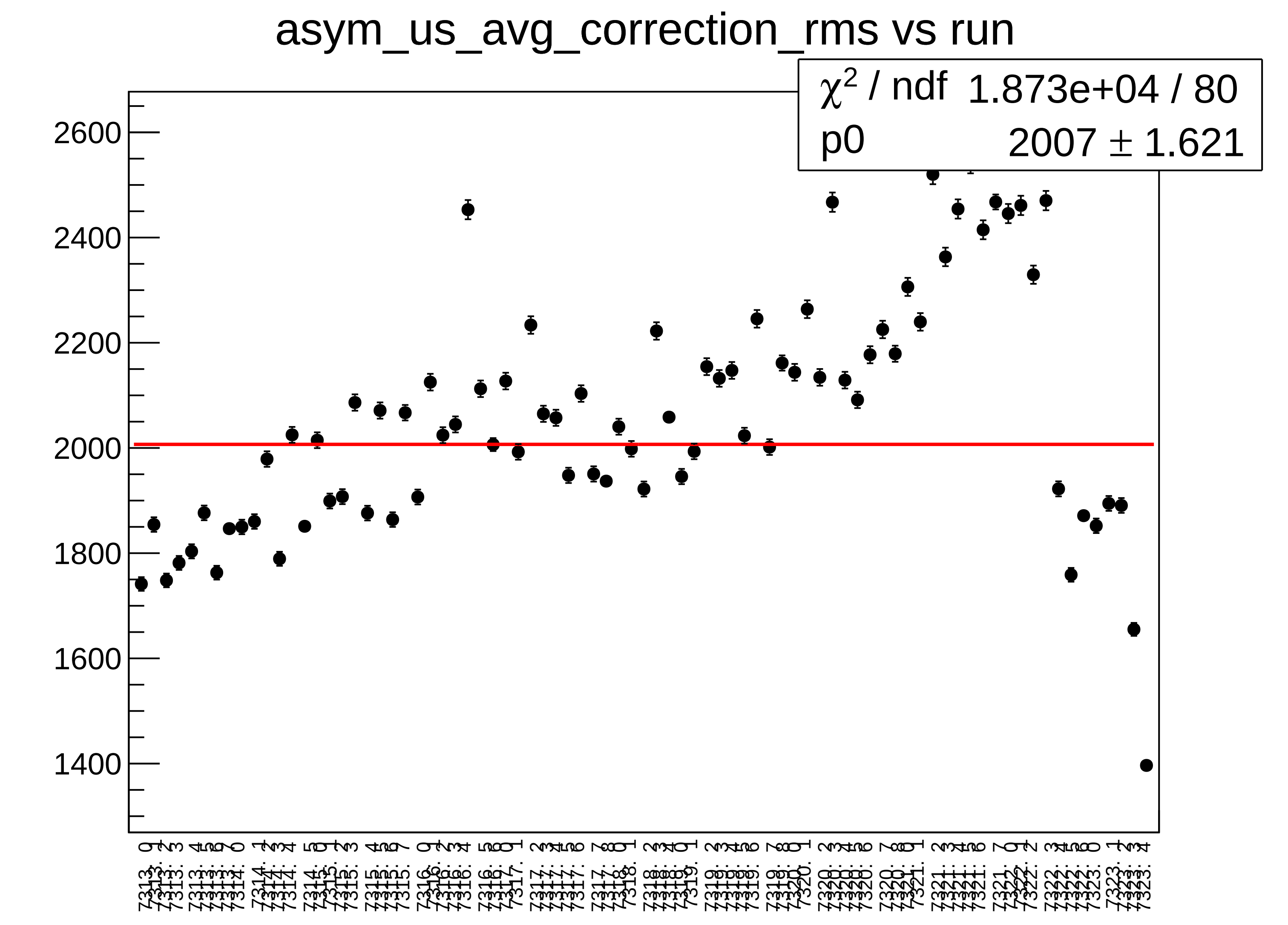


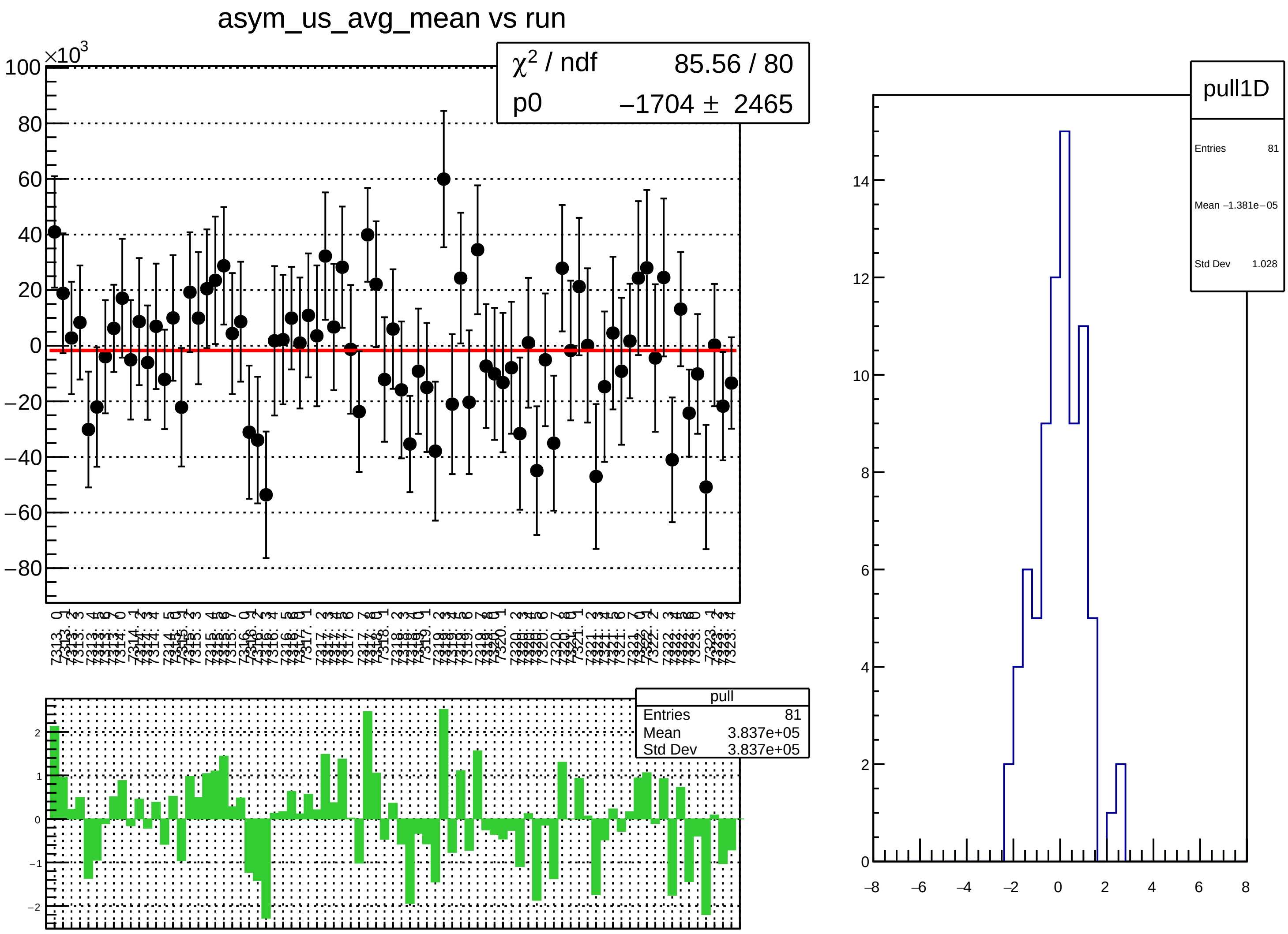
dit_asym_us_avg_mean vs run
χ^2 / ndf 94.7 / 80
p0 1519 ± 894.9
pull
Entries 81
Mean −29.39
Std Dev 105
pull1D
Entries 81
Mean −0.005742
Std Dev 1.081


dit_asym_us_avg_rms vs run
χ^2 / ndf 158 / 80
p0 788 ± 0.6328
810
800
790
780
770

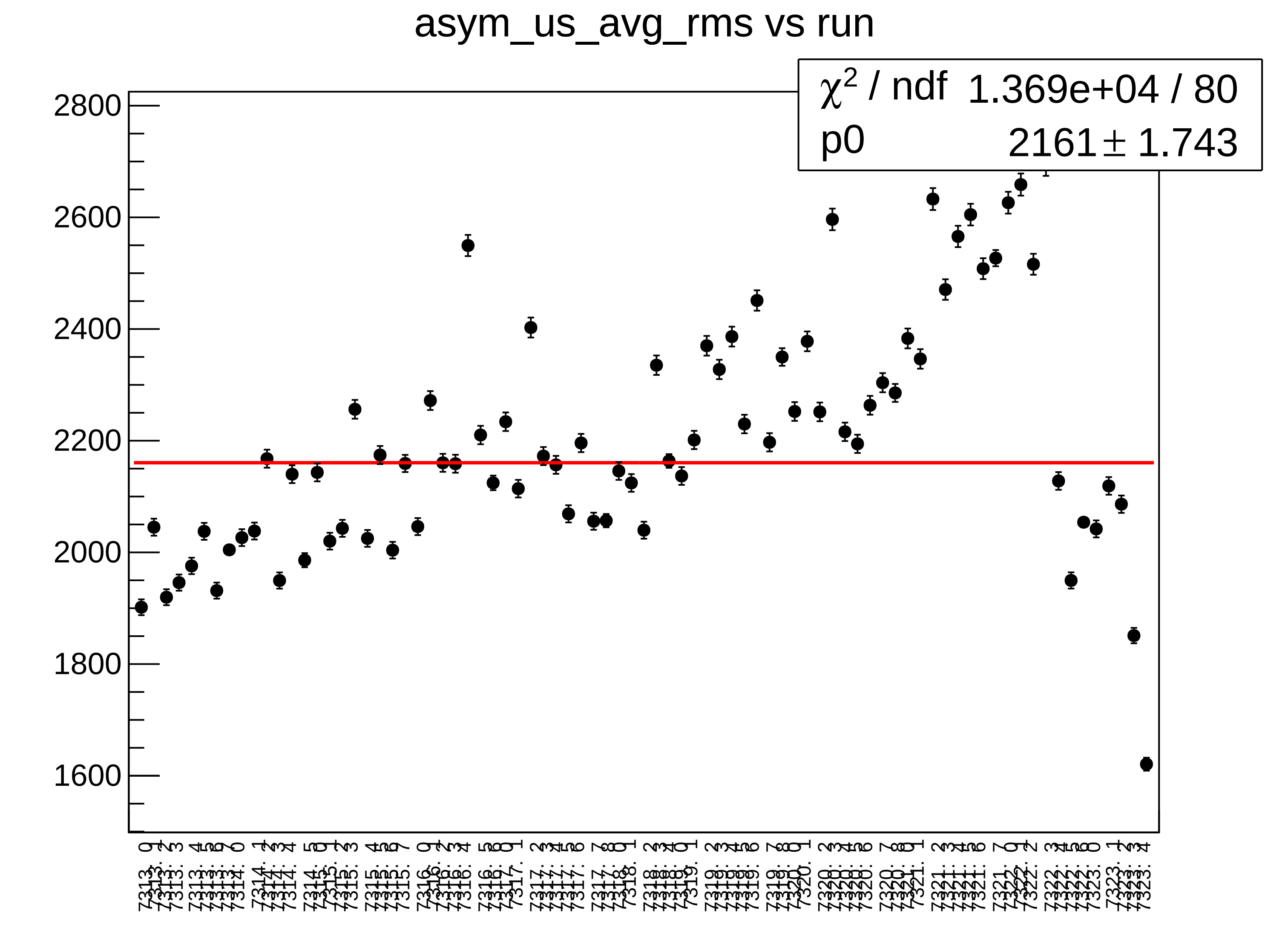


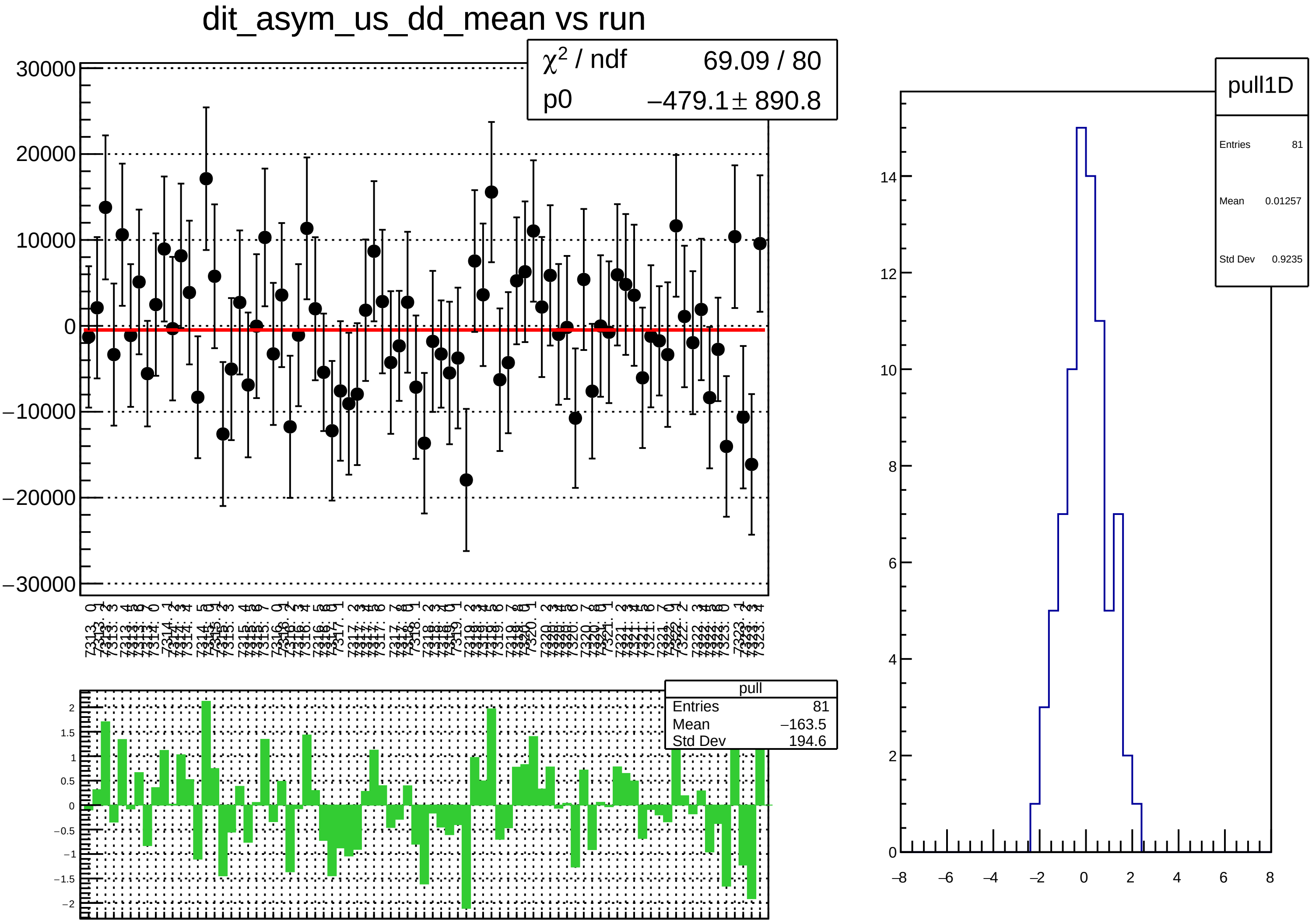
asym_us_avg_correction_mean vs run
χ^2 / ndf 77.7 / 80
p0 3272 ± 2293
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −1245
Std Dev 1289
pull1D
Entries 81
Mean −0.004528
Std Dev 0.9794


asym_us_avg_correction_rms vs run
χ^2 / ndf 1.873e+04 / 80
p0 2007 ± 1.621
2600
2400
2200
2000
1800
1600
1400

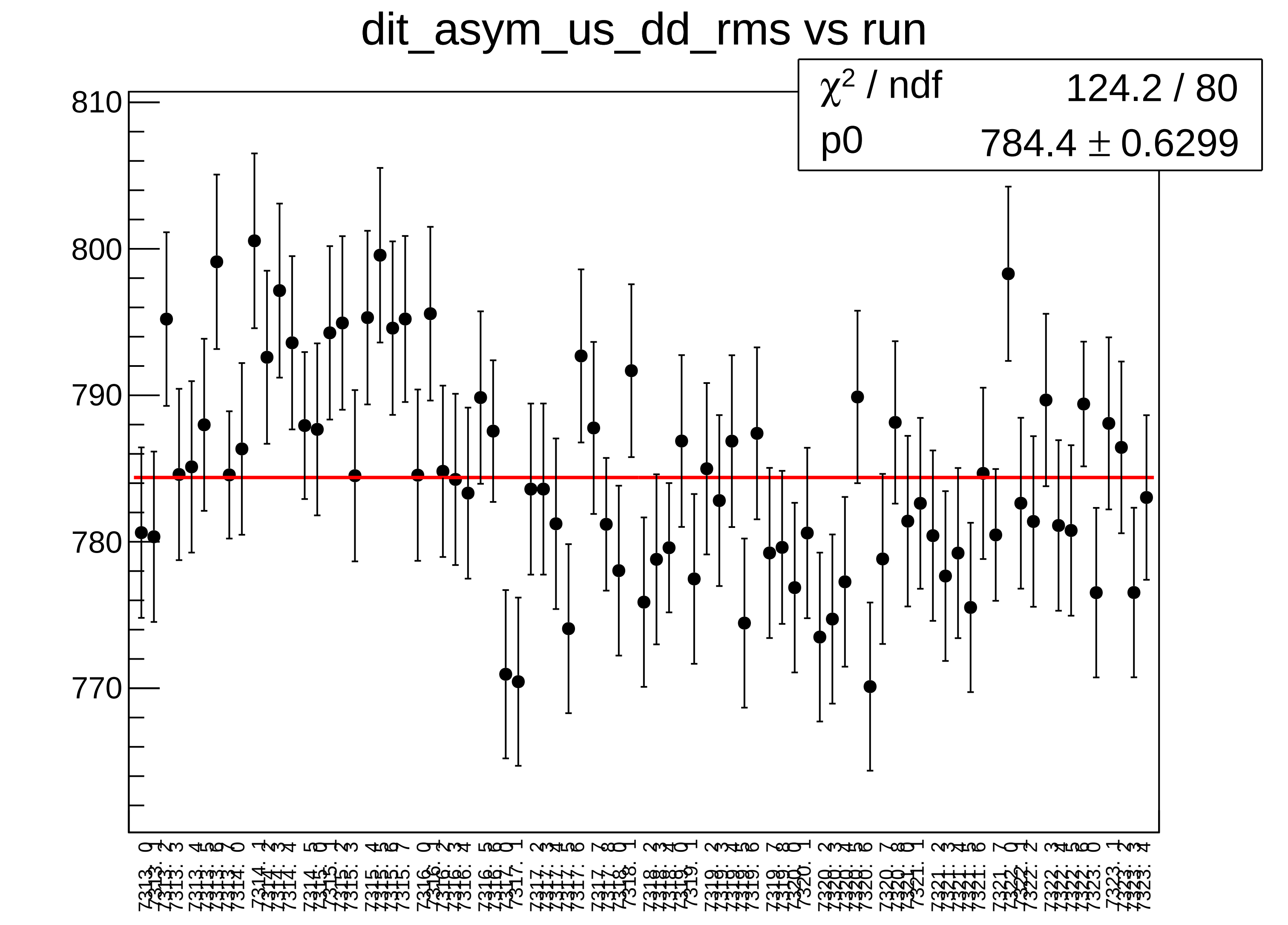


asym_us_avg_mean vs run
χ^2 / ndf 85.56 / 80
p0 −1704 ± 2465
$\times10^3$
pull
Entries 81
Mean 3.837e+05
Std Dev 3.837e+05
pull1D
Entries 81
Mean −1.381e−05
Std Dev 1.028

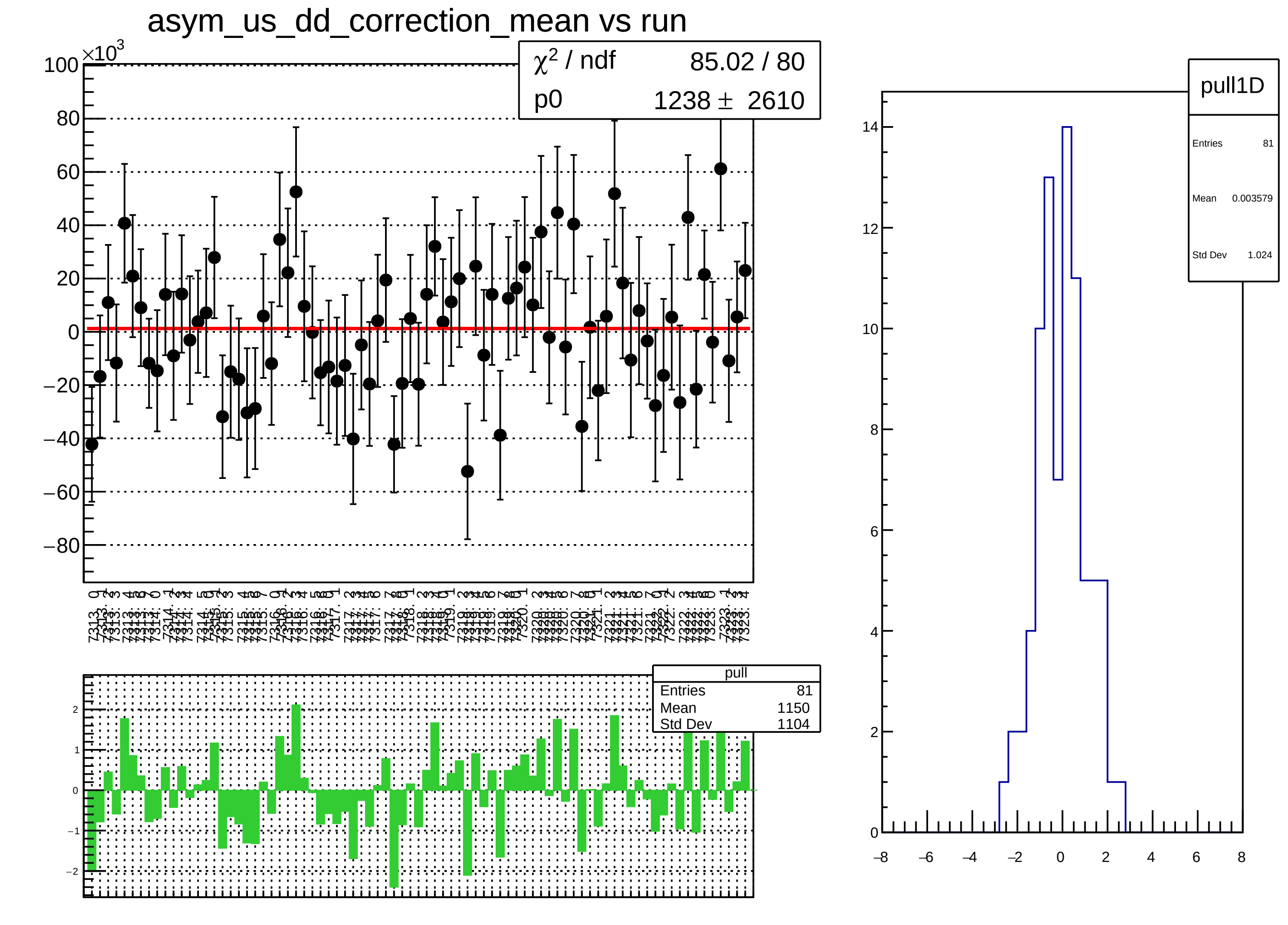

asym_us_avg_rms vs run
χ2 / ndf 1.369e+04 / 80
p0 2161 ± 1.743
2800
2600
2400
2200
2000
1800
1600



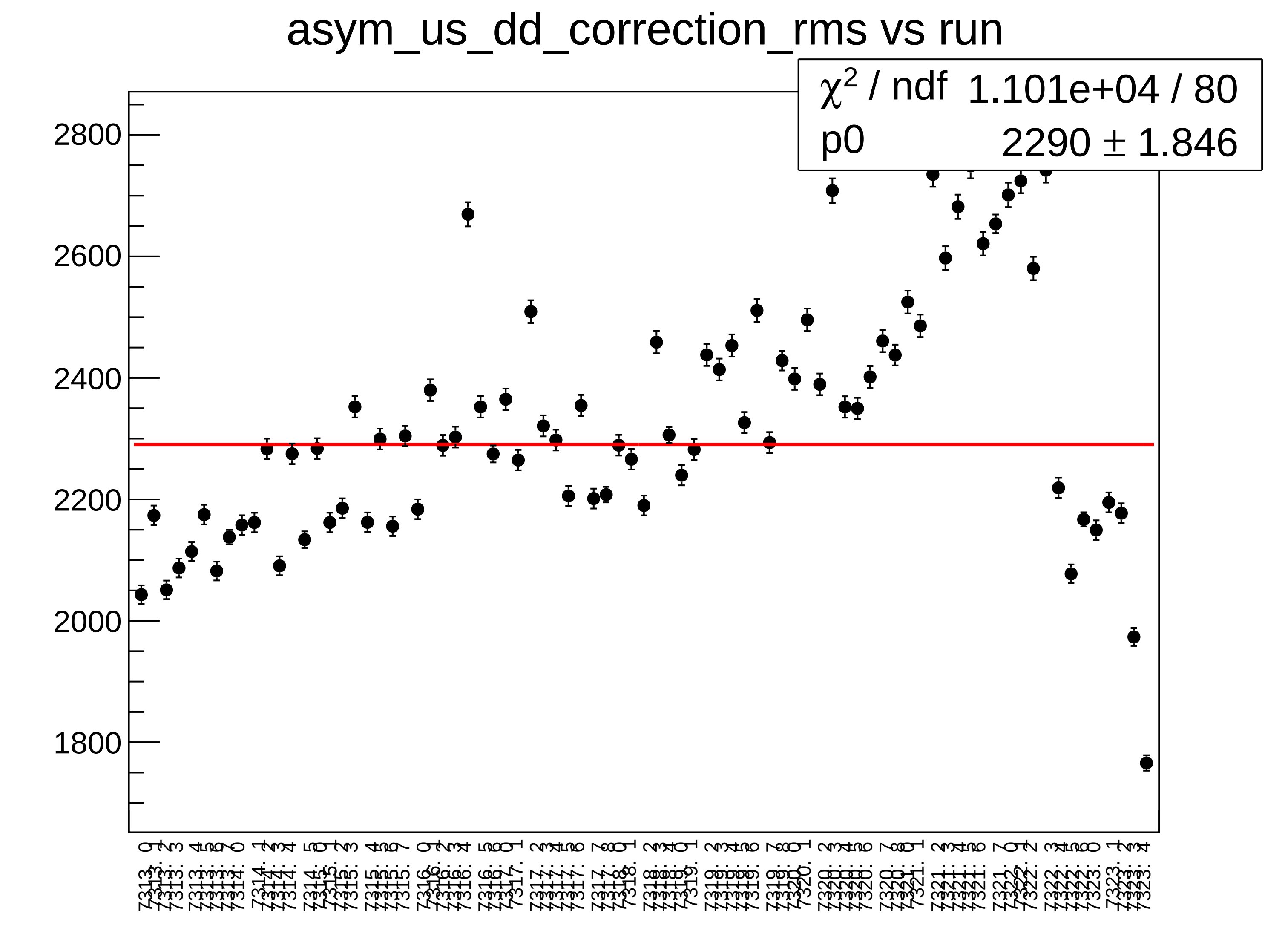
dit_asym_us_dd_mean vs run
χ2 / ndf 69.09 / 80
p0 −479.1 ± 890.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −163.5
Std Dev 194.6
pull1D
Entries 81
Mean 0.01257
Std Dev 0.9235



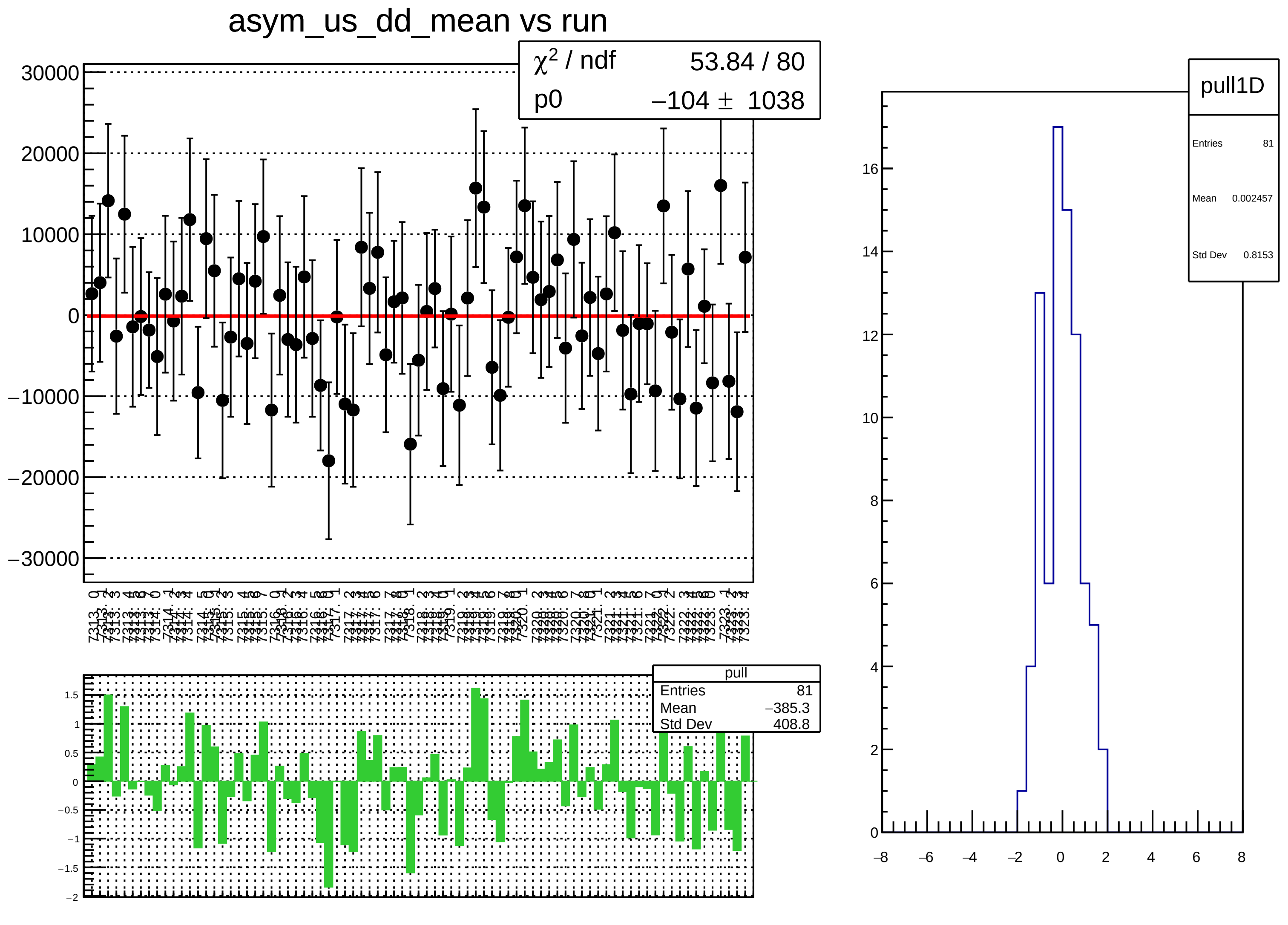
dit_asym_us_dd_rms vs run
χ^2 / ndf 124.2 / 80
p0 784.4 ± 0.6299
810
800
790
780
770

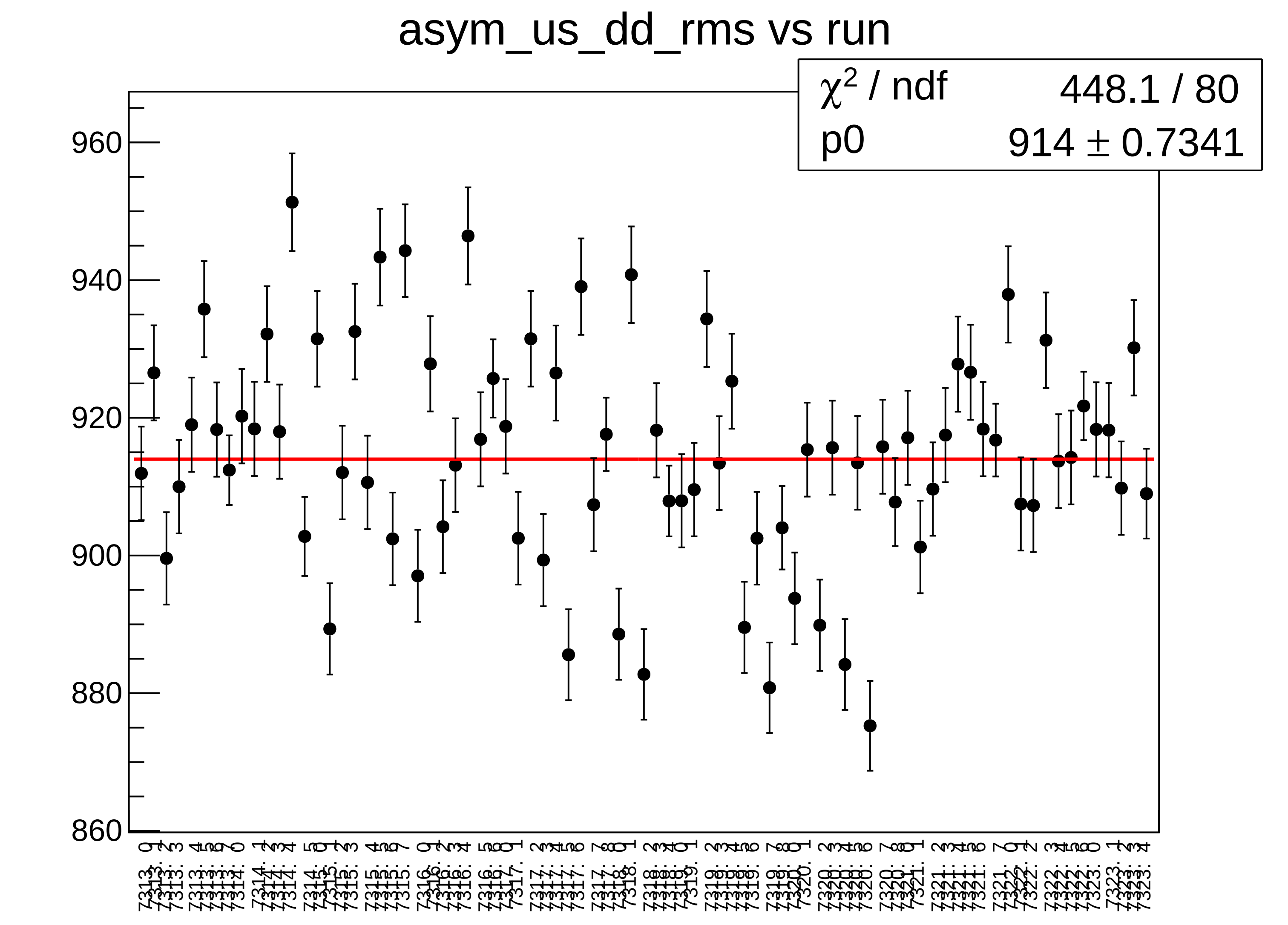


asym_us_dd_correction_mean vs run
χ2 / ndf 85.02 / 80
p0 1238 ± 2610
pull
Entries 81
Mean 1150
Std Dev 1104
pull1D
Entries 81
Mean 0.003579
Std Dev 1.024

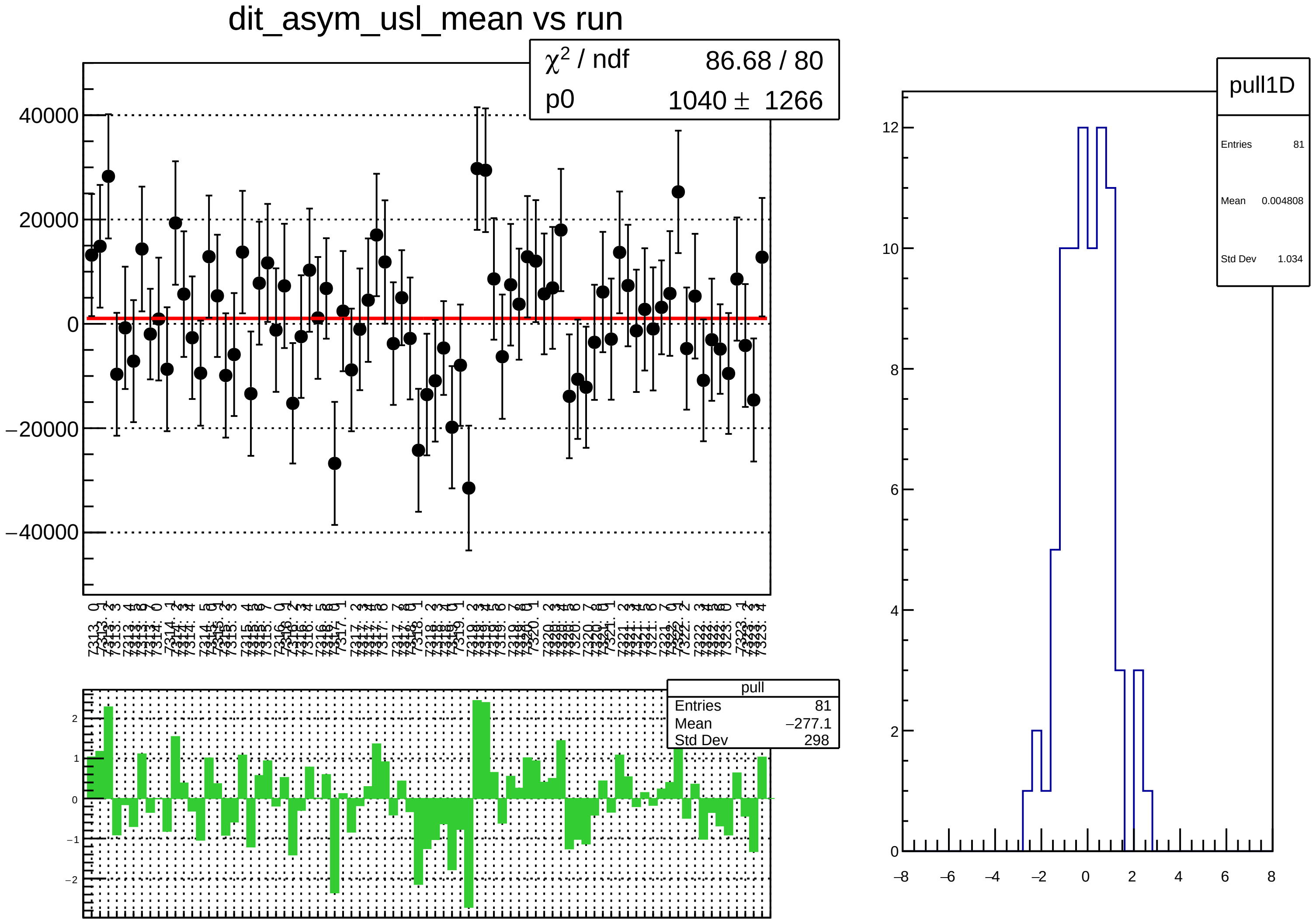


asym_us_dd_correction_rms vs run
χ2 / ndf 1.101e+04 / 80
p0 2290 ± 1.846
2800
2600
2400
2200
2000
1800

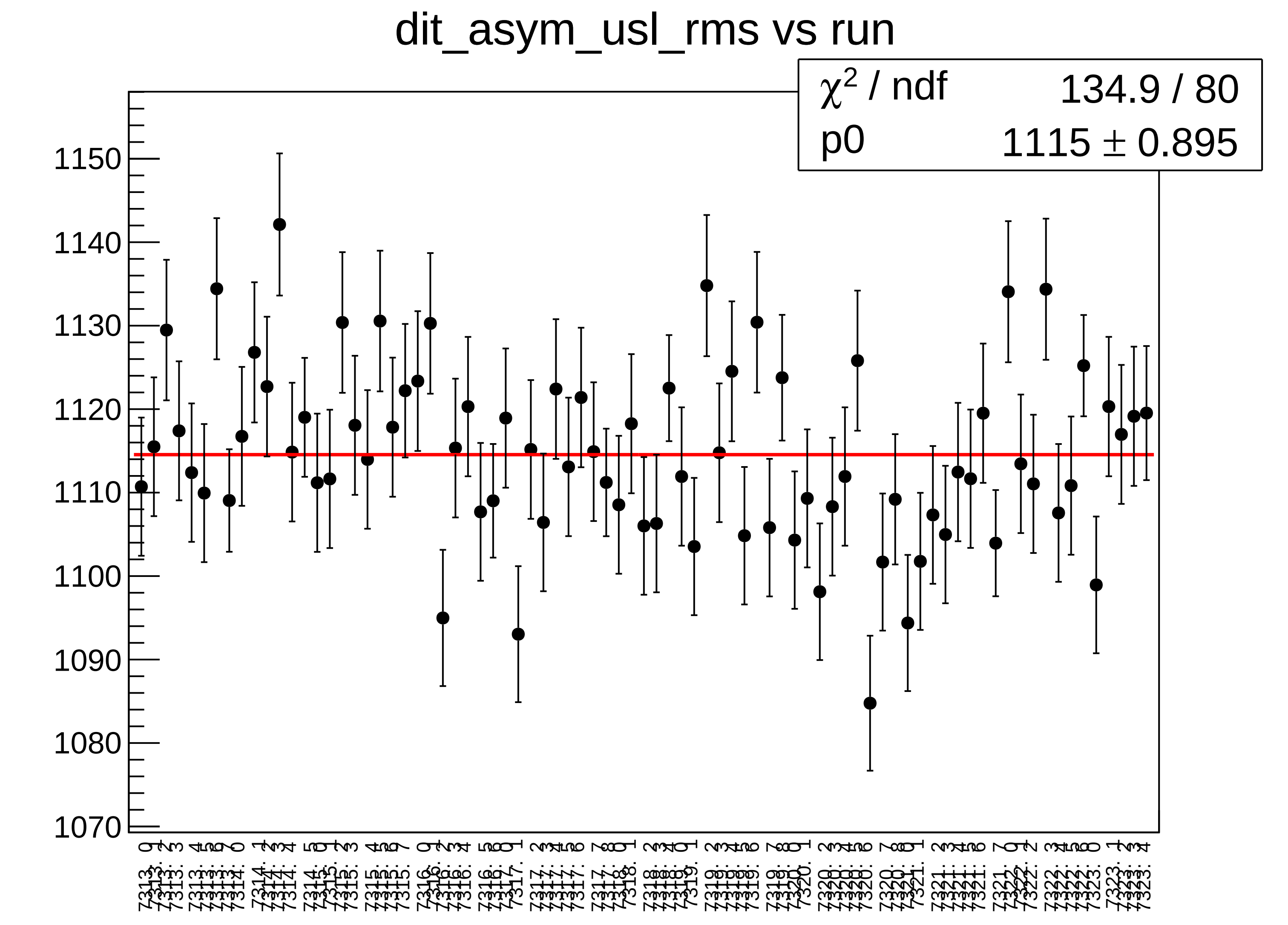

asym_us_dd_mean vs run
χ2 / ndf 53.84 / 80
p0 −104 ± 1038
pull
Entries 81
Mean −385.3
Std Dev 408.8
pull1D
Entries 81
Mean 0.002457
Std Dev 0.8153



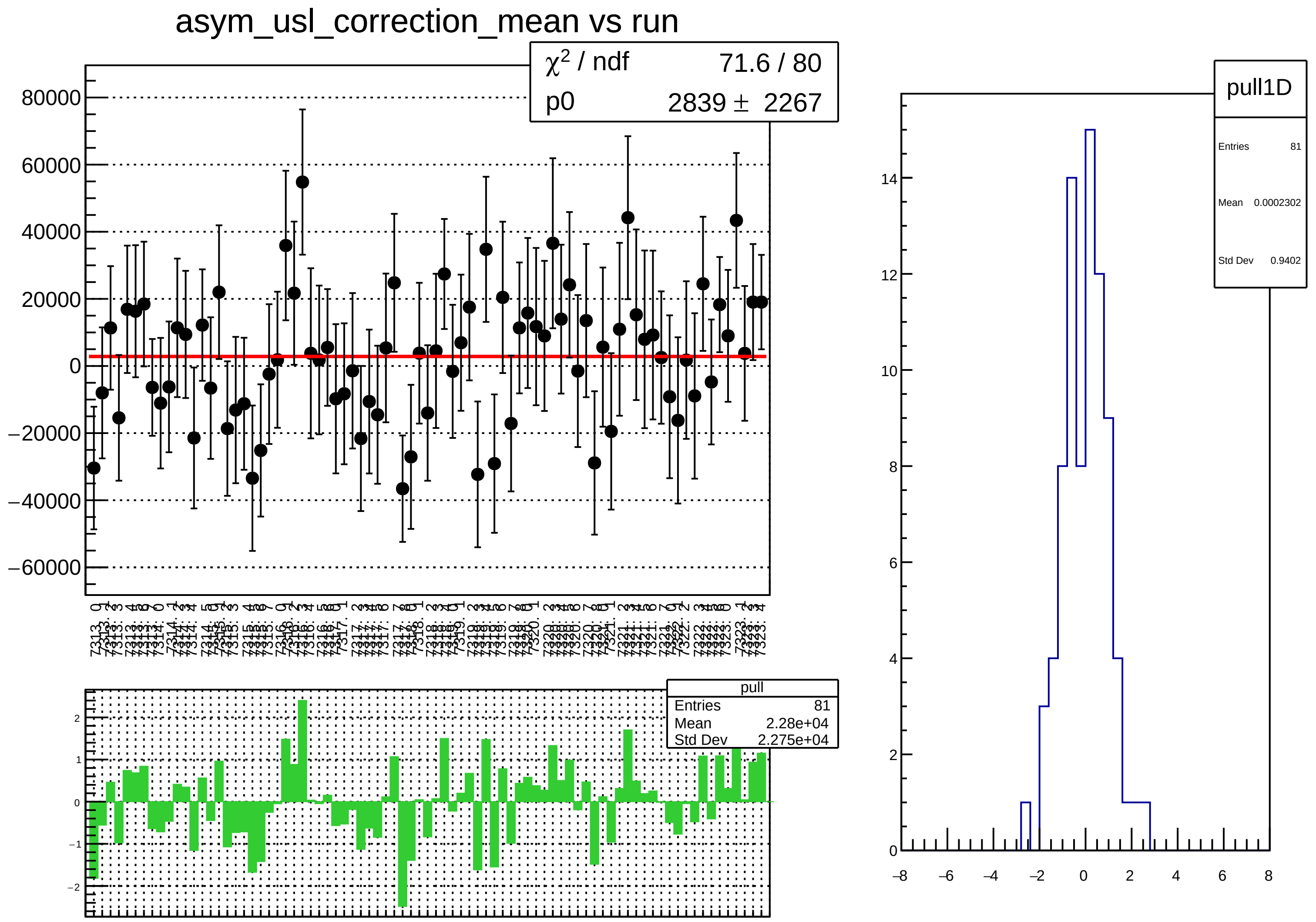
asym_us_dd_rms vs run
χ^2 / ndf 448.1 / 80
p0 914 ± 0.7341
960
940
920
900
880
860



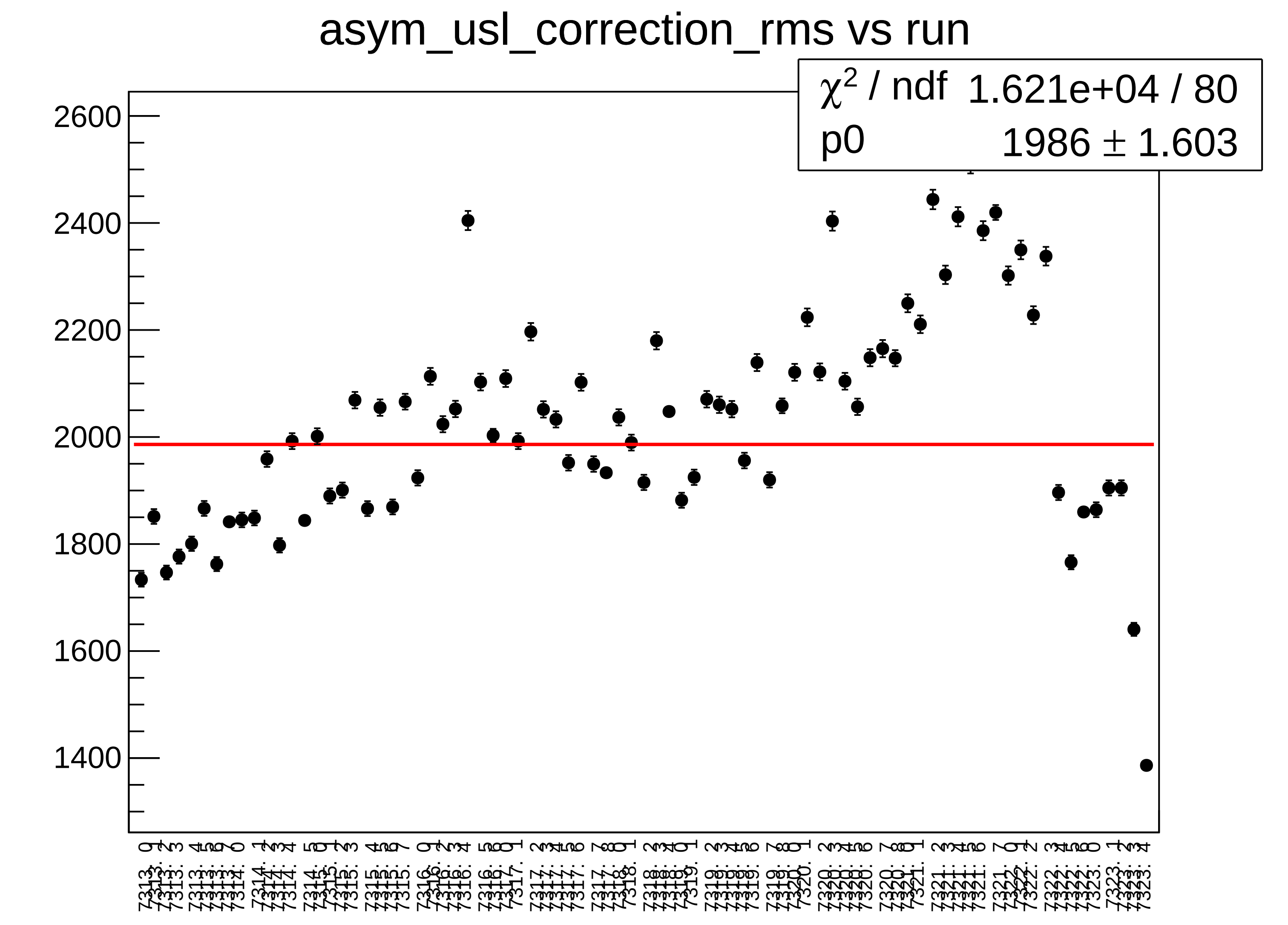
dit_asym_usl_mean vs run
χ^2 / ndf 86.68 / 80
p0 1040 ± 1266
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −277.1
Std Dev 298
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.004808
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



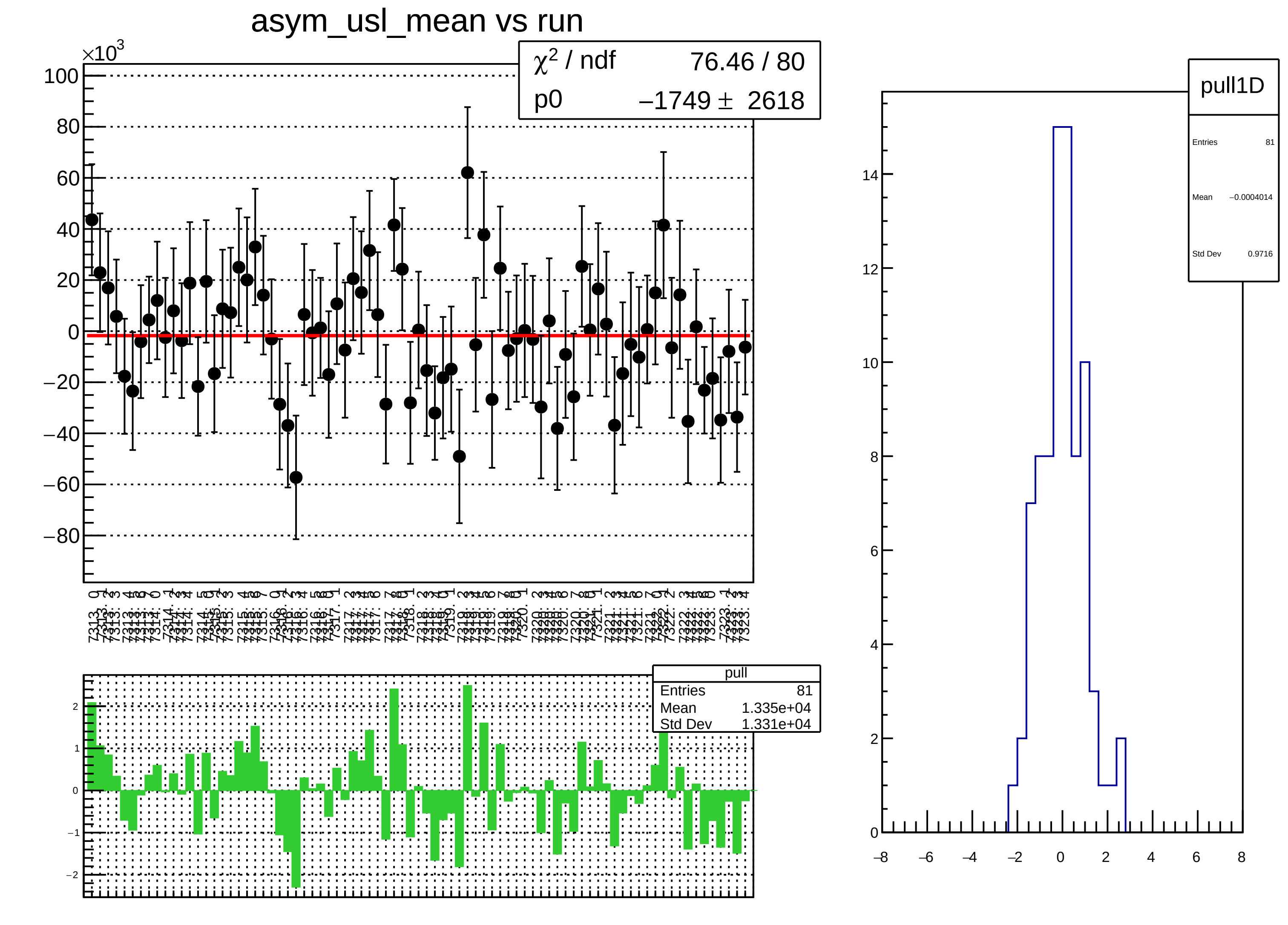
dit_asym_usl_rms vs run
χ^2 / ndf 134.9 / 80
p0 1115 ± 0.895
1150
1140
1130
1120
1110
1100
1090
1080
1070

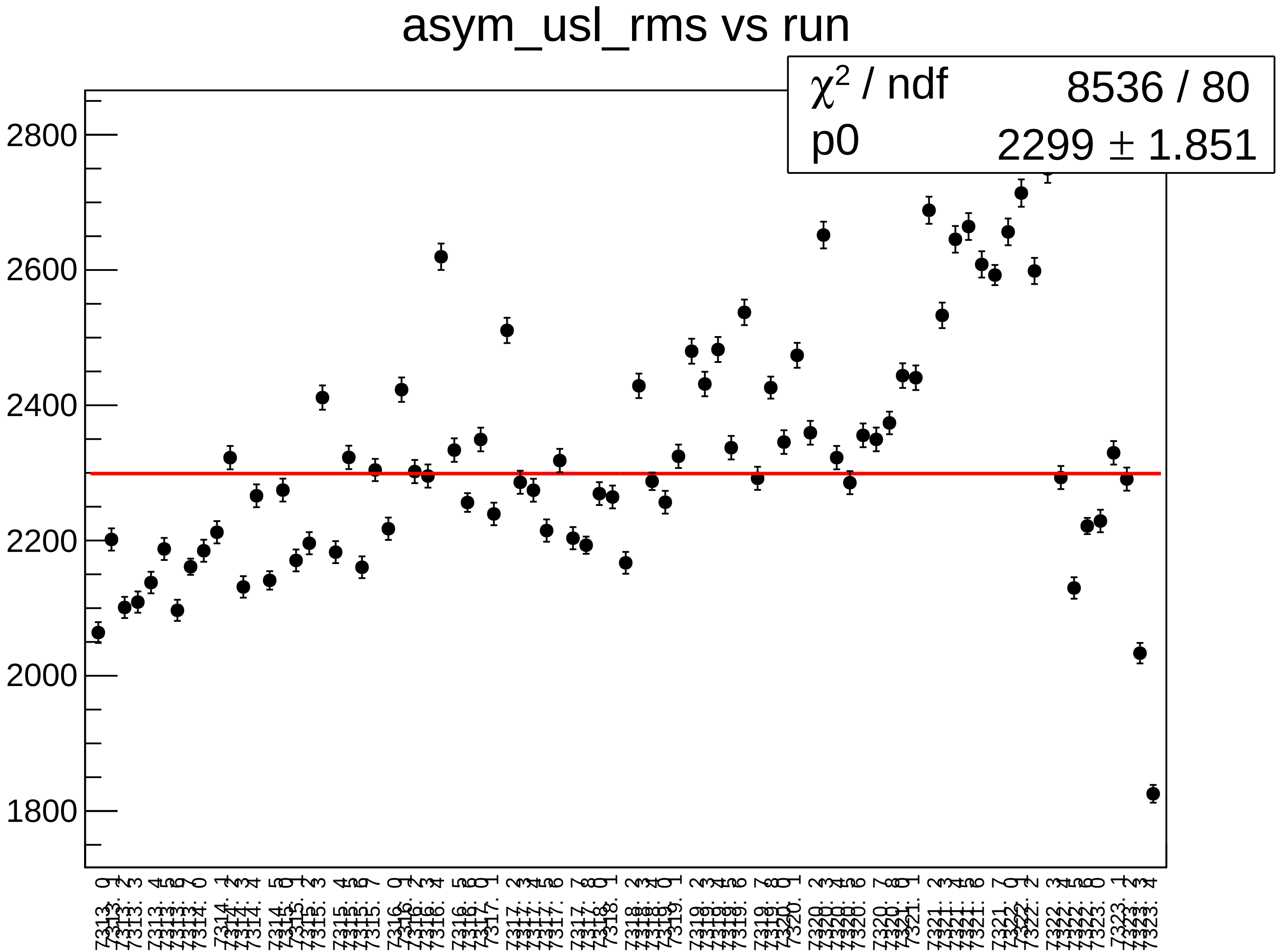


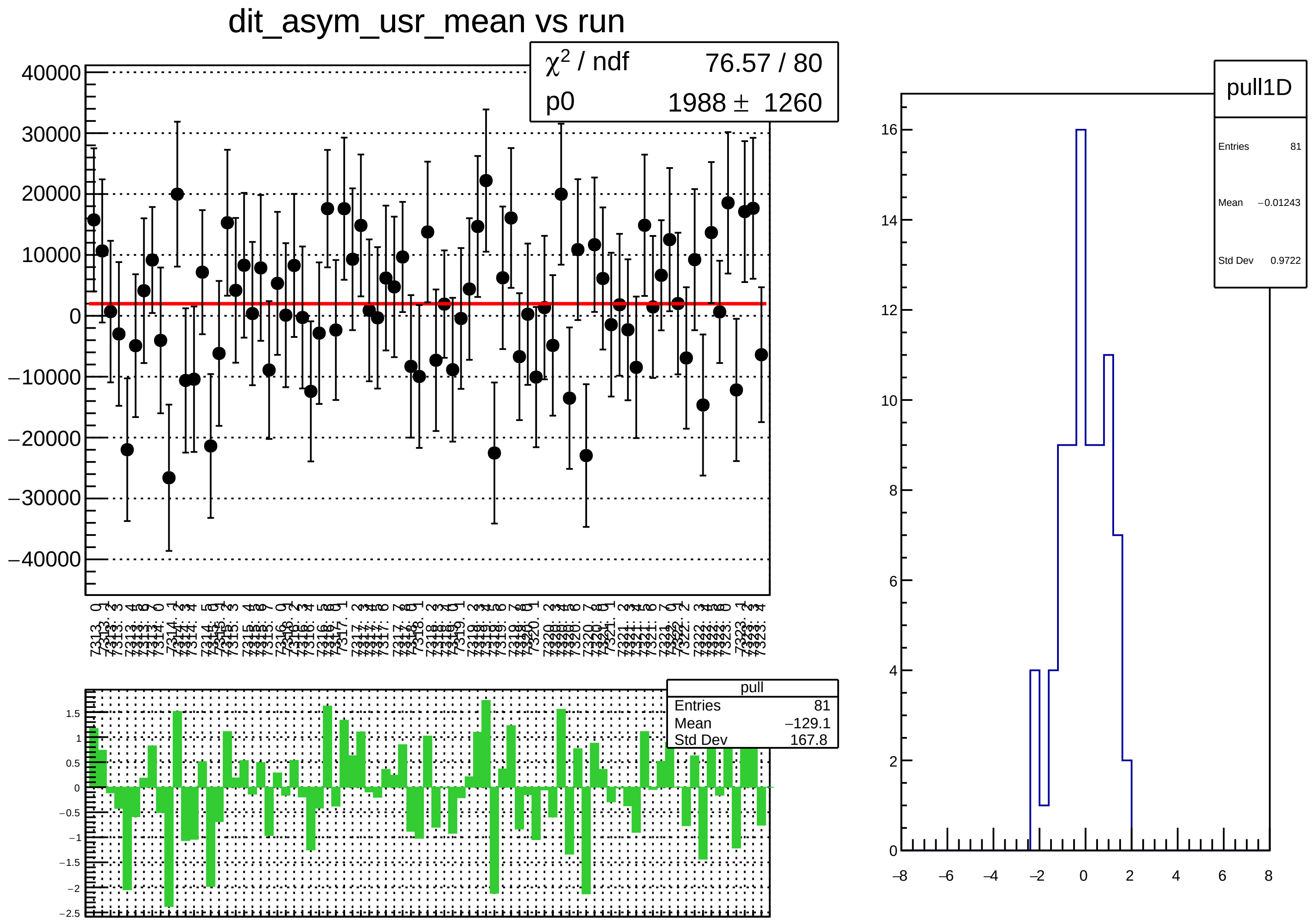
asym_usl_correction_mean vs run
χ2 / ndf 71.6 / 80
p0 2839 ± 2267
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 2.28e+04
Std Dev 2.275e+04
pull1D
Entries 81
Mean 0.0002302
Std Dev 0.9402

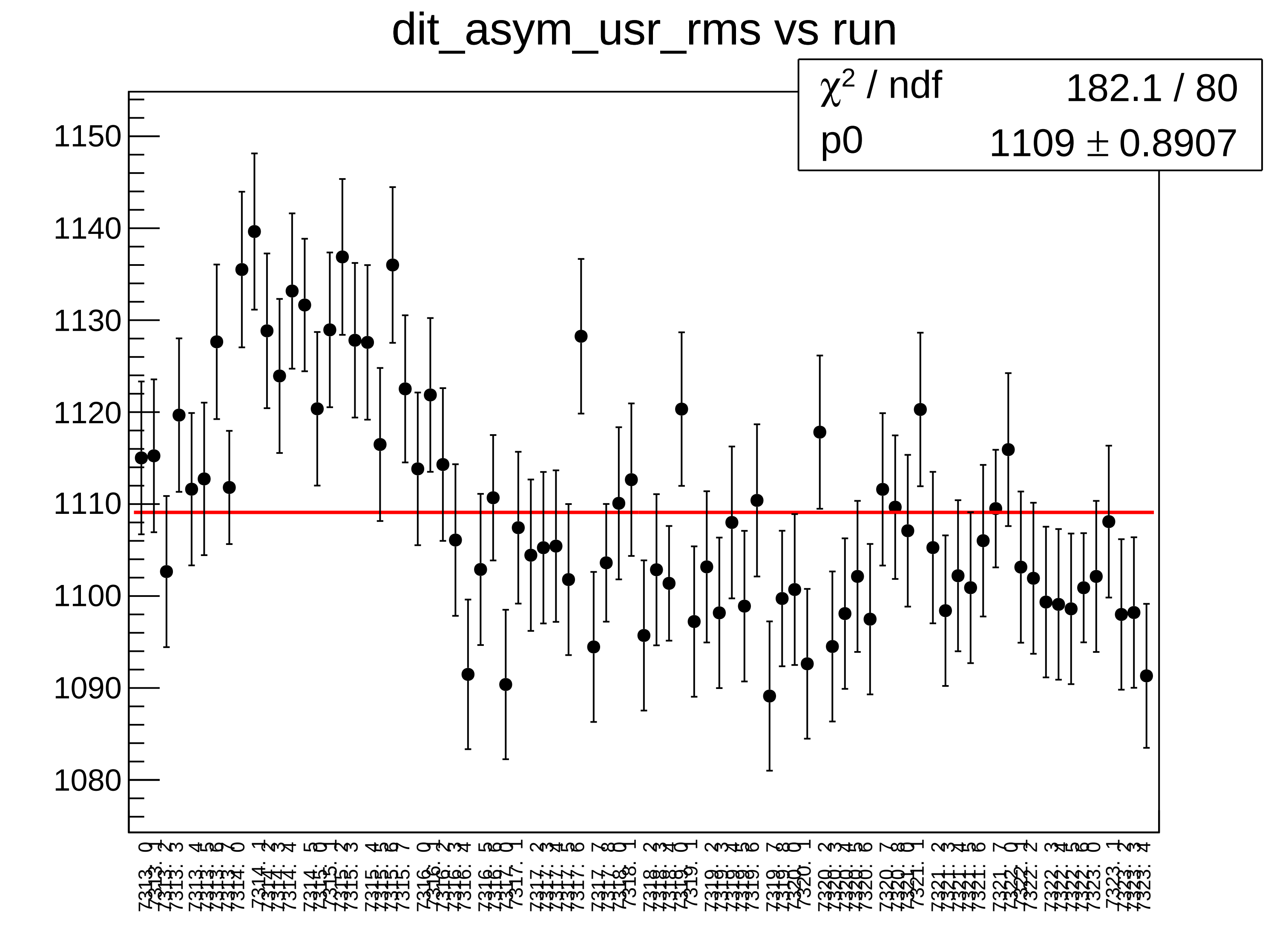


asym_usl_correction_rms vs run
χ2 / ndf 1.621e+04 / 80
p0 1986 ± 1.603
2600
2400
2200
2000
1800
1600
1400

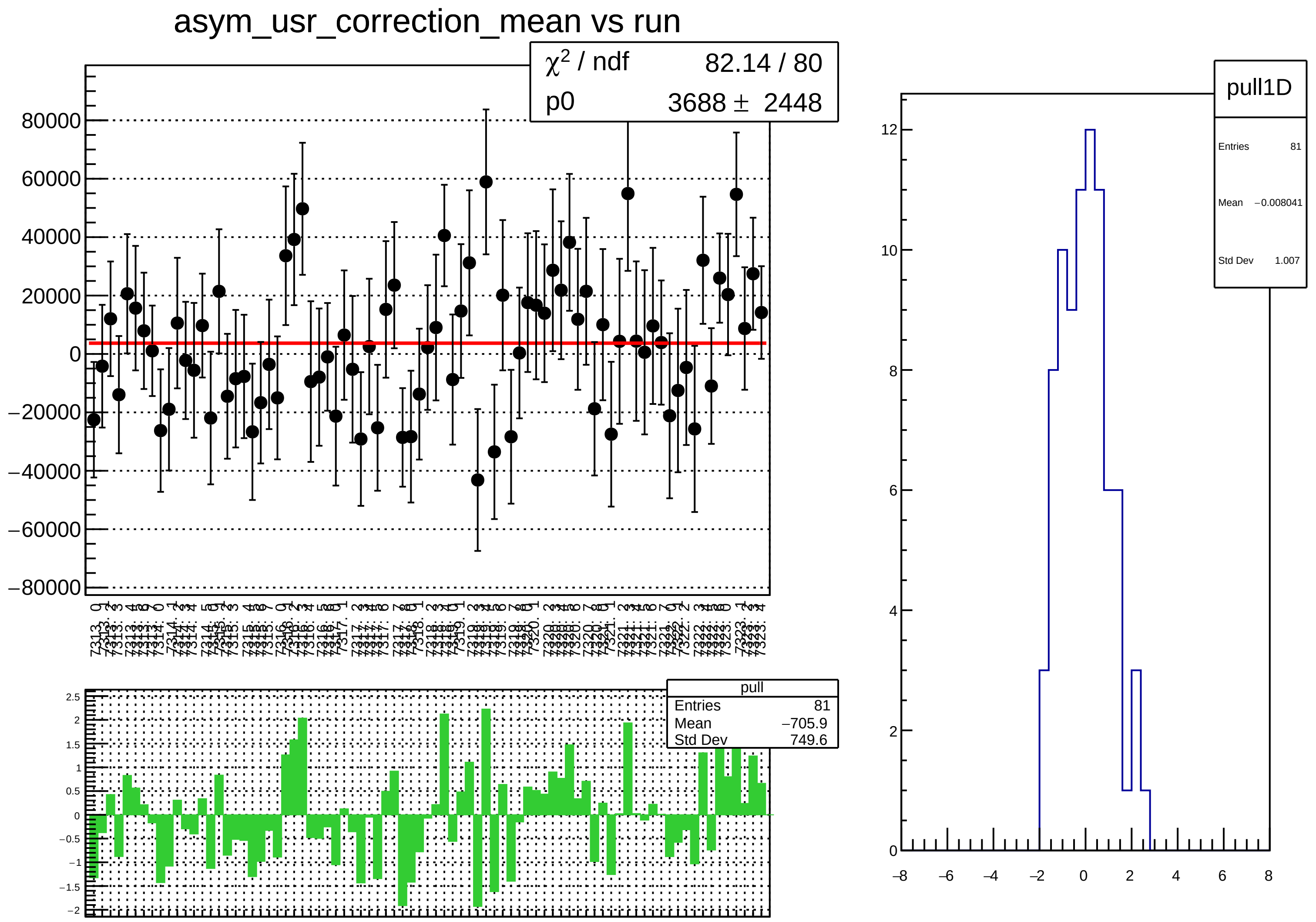

asym_usl_mean vs run
×10^3
χ^2 / ndf 76.46 / 80
p0 −1749 ± 2618
pull
Entries 81
Mean 1.335e+04
Std Dev 1.331e+04
pull1D
Entries 81
Mean −0.0004014
Std Dev 0.9716

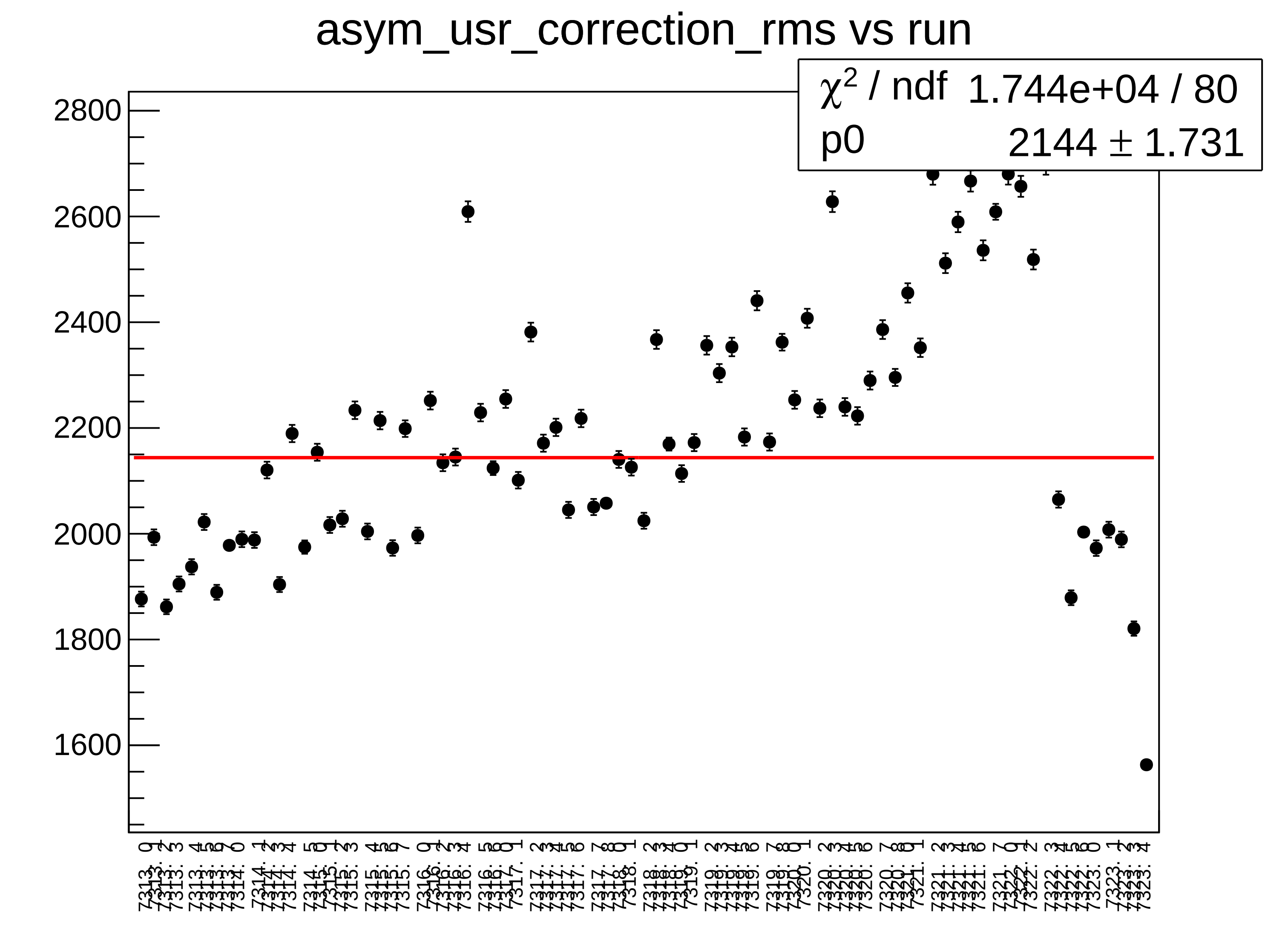

asym_usl_rms vs run
χ2 / ndf 8536 / 80
p0 2299 ± 1.851
2800
2600
2400
2200
2000
1800


dit_asym_usr_mean vs run
χ^2 / ndf 76.57 / 80
p0 1988 ± 1260
pull
Entries 81
Mean −129.1
Std Dev 167.8
pull1D
Entries 81
Mean −0.01243
Std Dev 0.9722

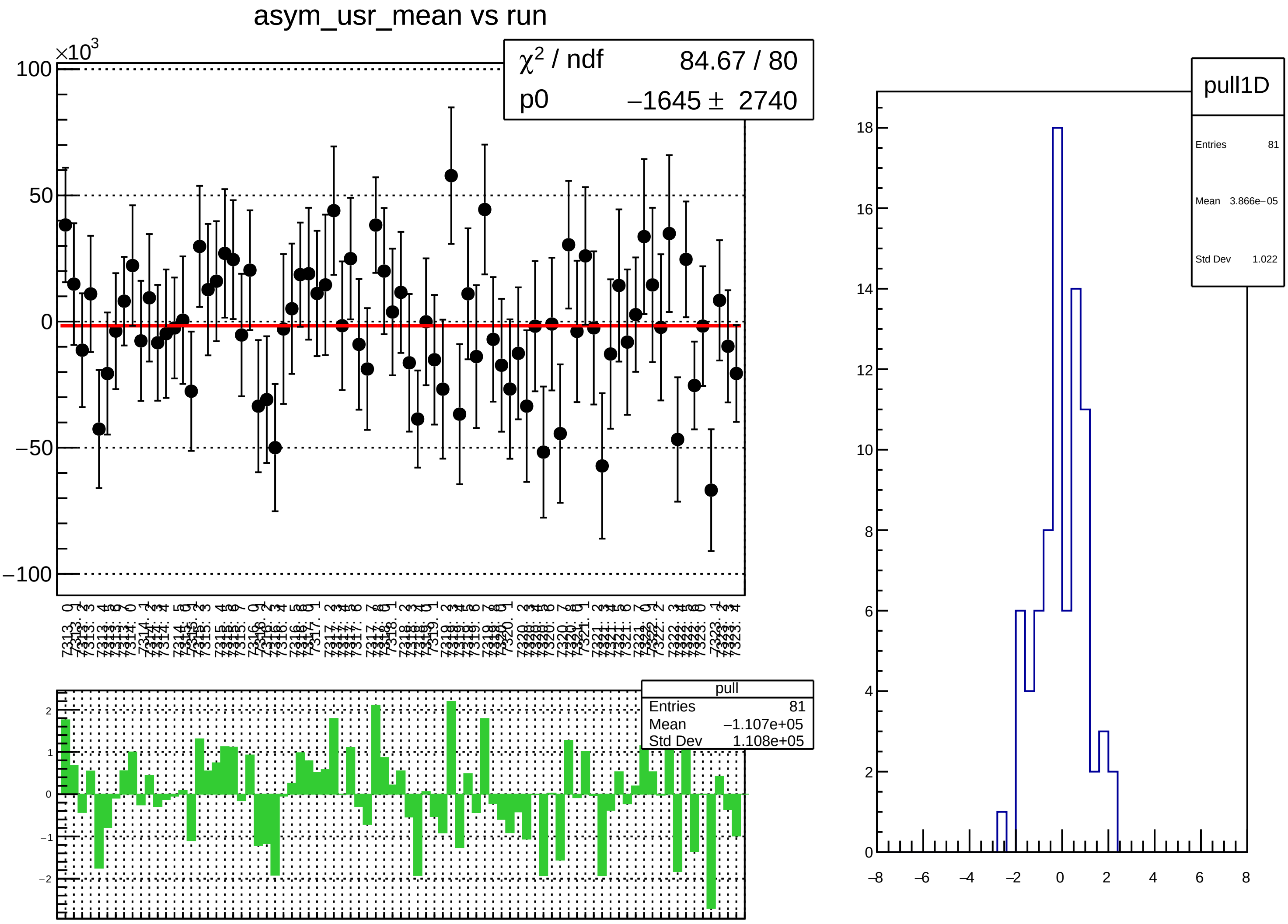


dit_asym_usr_rms vs run
χ2 / ndf 182.1 / 80
p0 1109 ± 0.8907
1150
1140
1130
1120
1110
1100
1090
1080

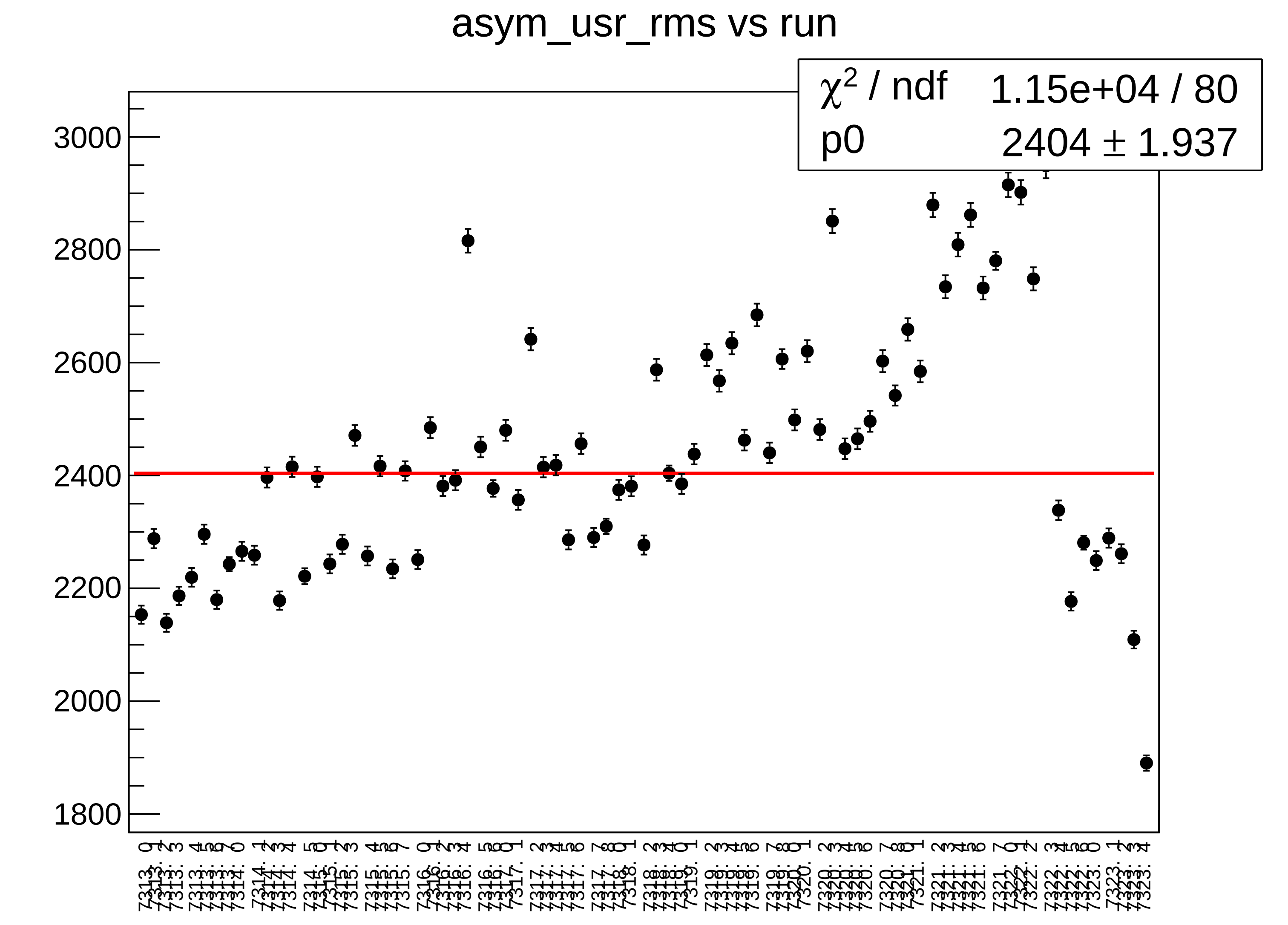

asym_usr_correction_mean vs run
χ^2 / ndf 82.14 / 80
p0 3688 ± 2448
pull
Entries 81
Mean −705.9
Std Dev 749.6
pull1D
Entries 81
Mean −0.008041
Std Dev 1.007



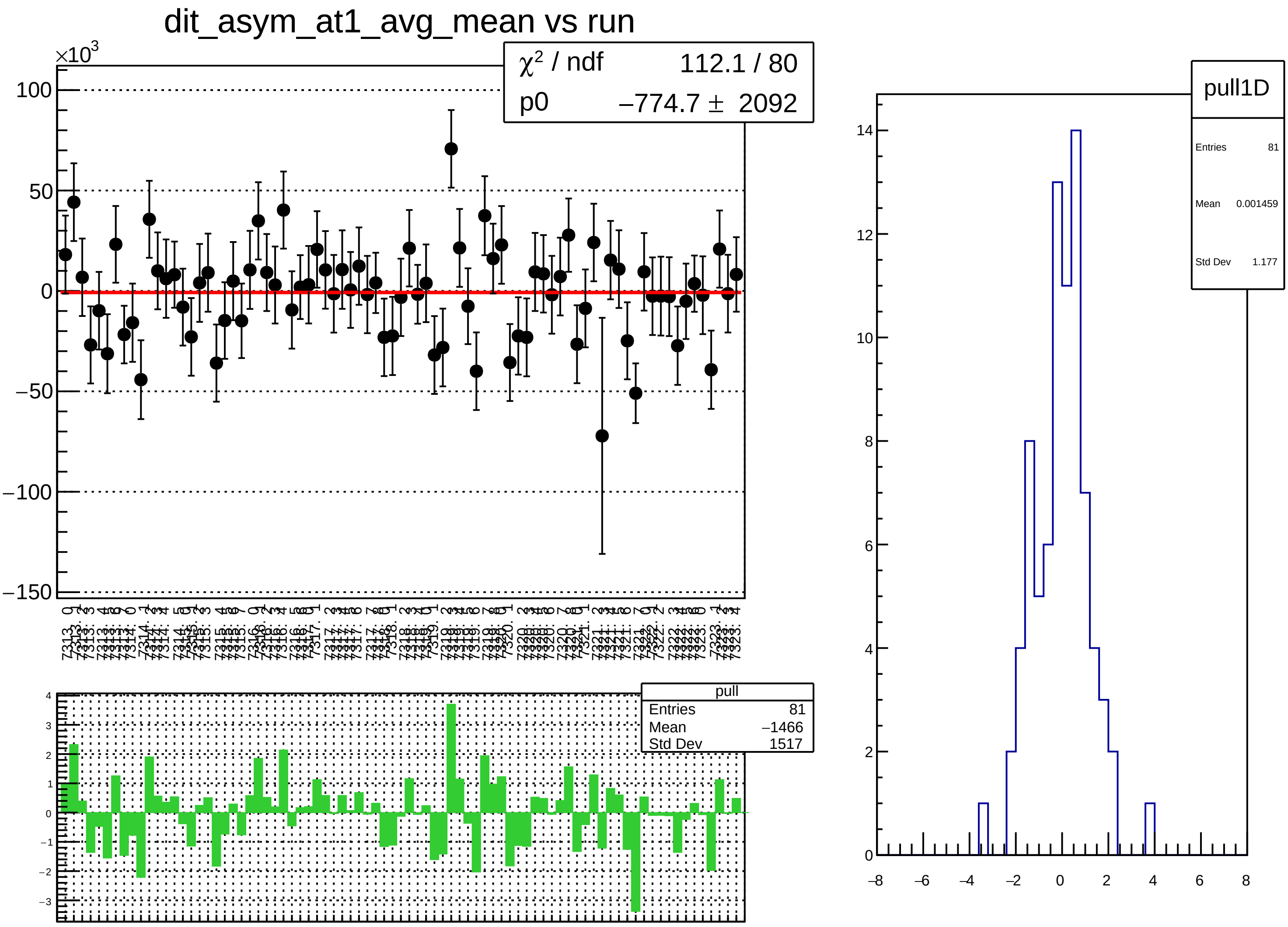
asym_usr_correction_rms vs run
χ^2 / ndf 1.744e+04 / 80
p0 2144 ± 1.731
2800
2600
2400
2200
2000
1800
1600



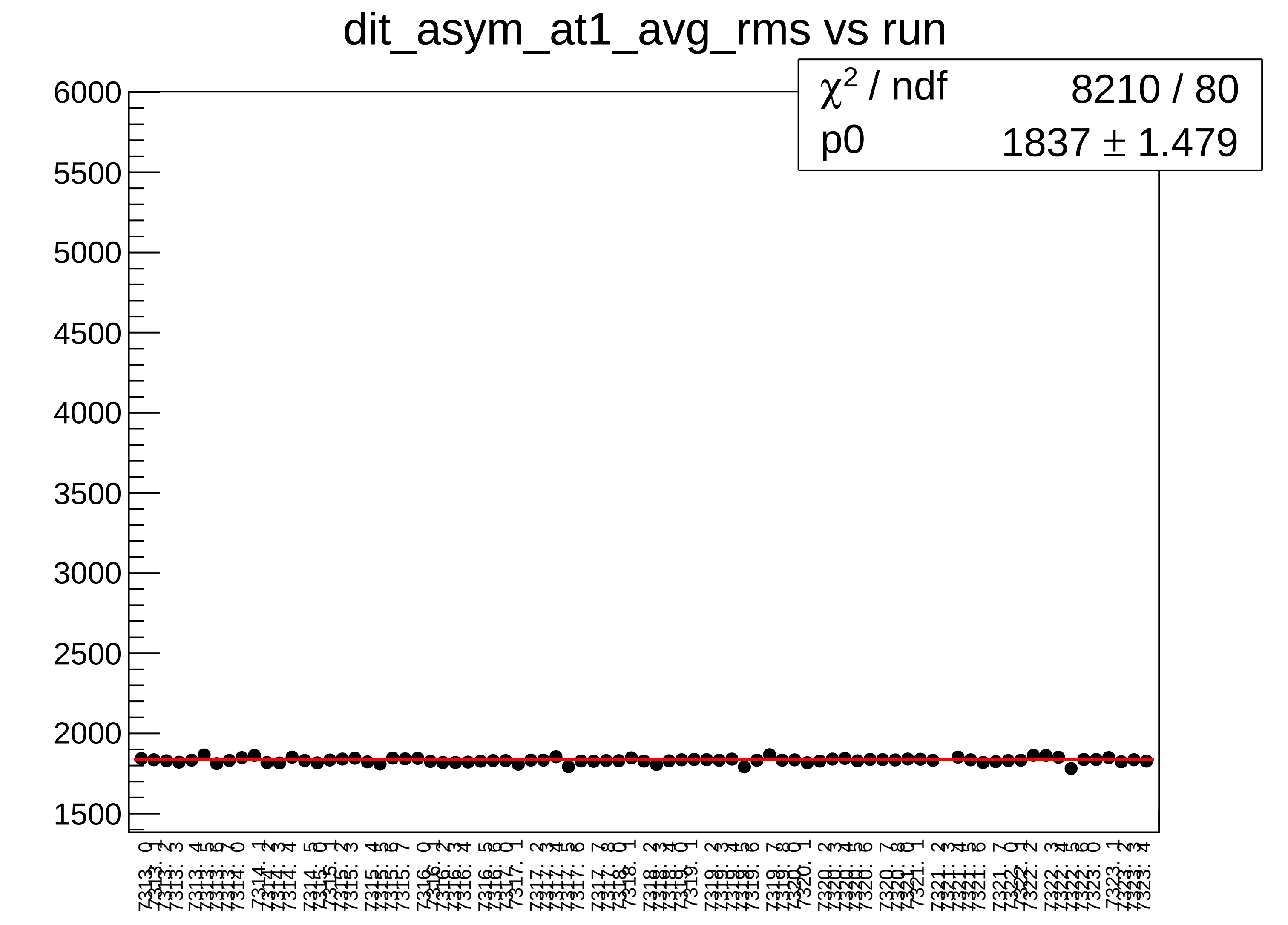
asym_usr_mean vs run
×10^3
χ2 / ndf 84.67 / 80
p0 −1645 ± 2740
pull
Entries 81
Mean −1.107e+05
Std Dev 1.108e+05
pull1D
Entries 81
Mean 3.866e−05
Std Dev 1.022

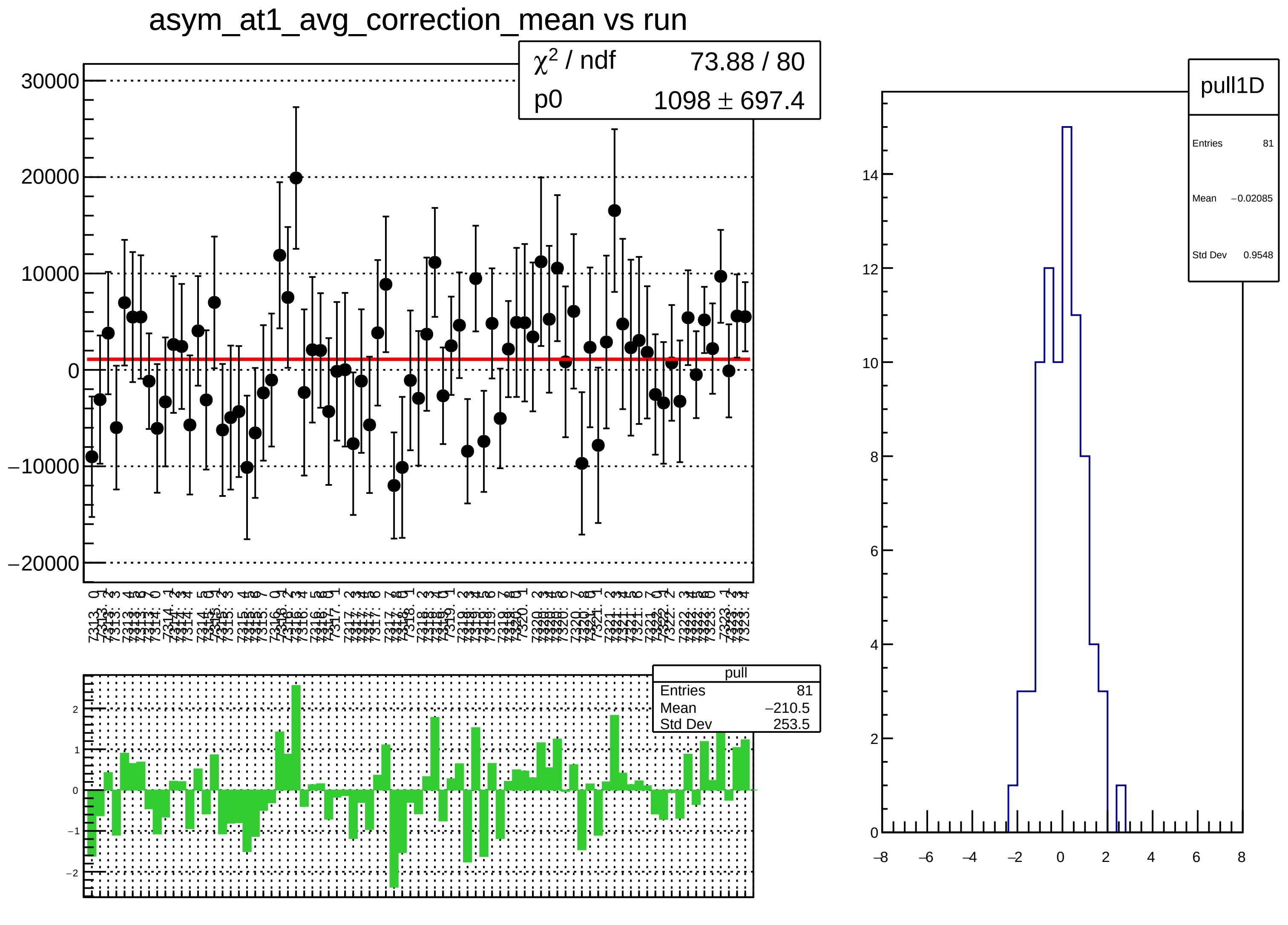


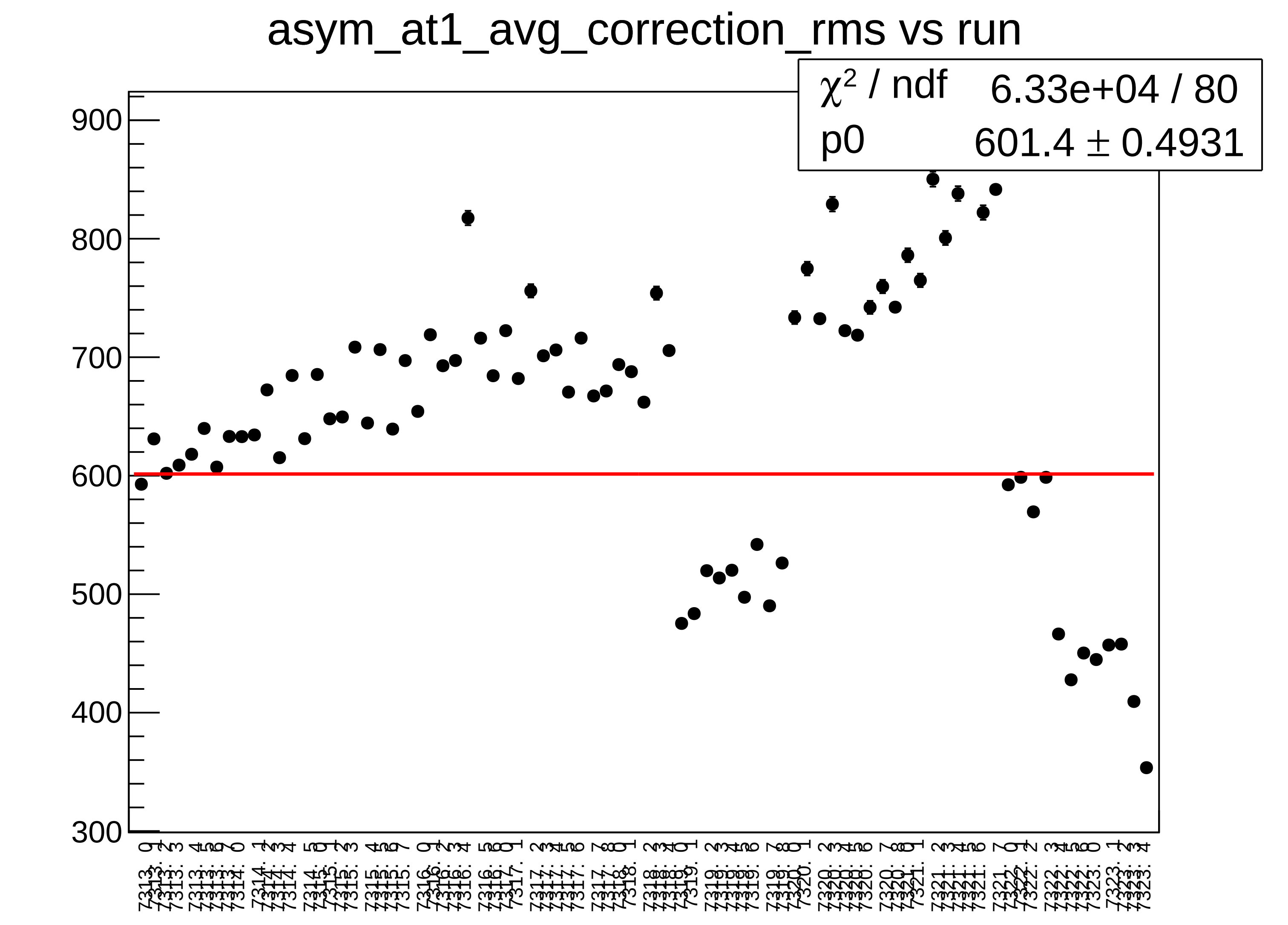
asym_usr_rms vs run
χ2 / ndf 1.15e+04 / 80
p0 2404 ± 1.937
3000
2800
2600
2400
2200
2000
1800



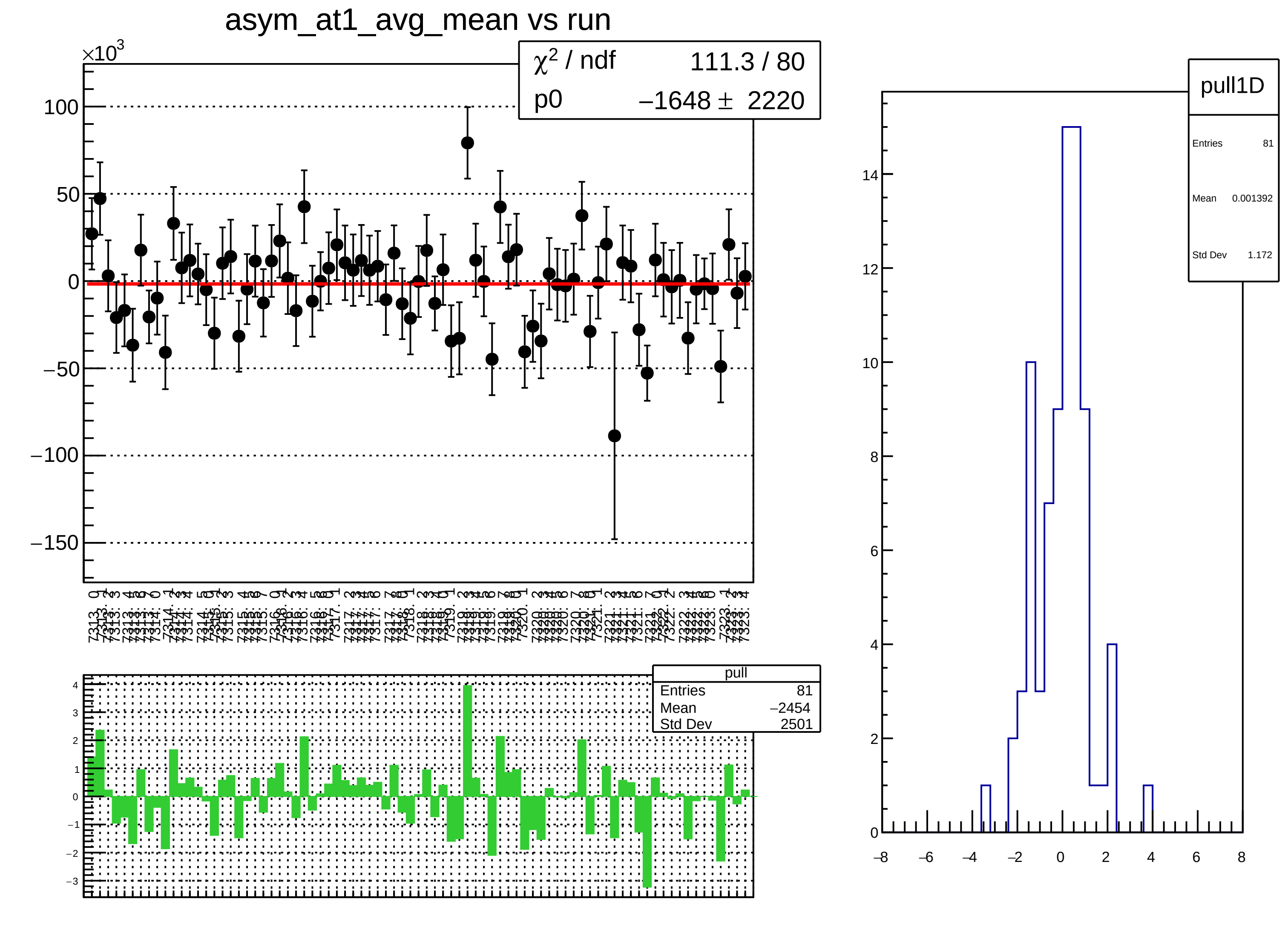
dit_asym_at1_avg_mean vs run
$\times 10^3$
χ^2 / ndf 112.1 / 80
p0 −774.7 ± 2092
pull
Entries 81
Mean −1466
Std Dev 1517
pull1D
Entries 81
Mean 0.001459
Std Dev 1.177


dit_asym_at1_avg_rms vs run
χ2 / ndf 8210 / 80
p0 1837 ± 1.479
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

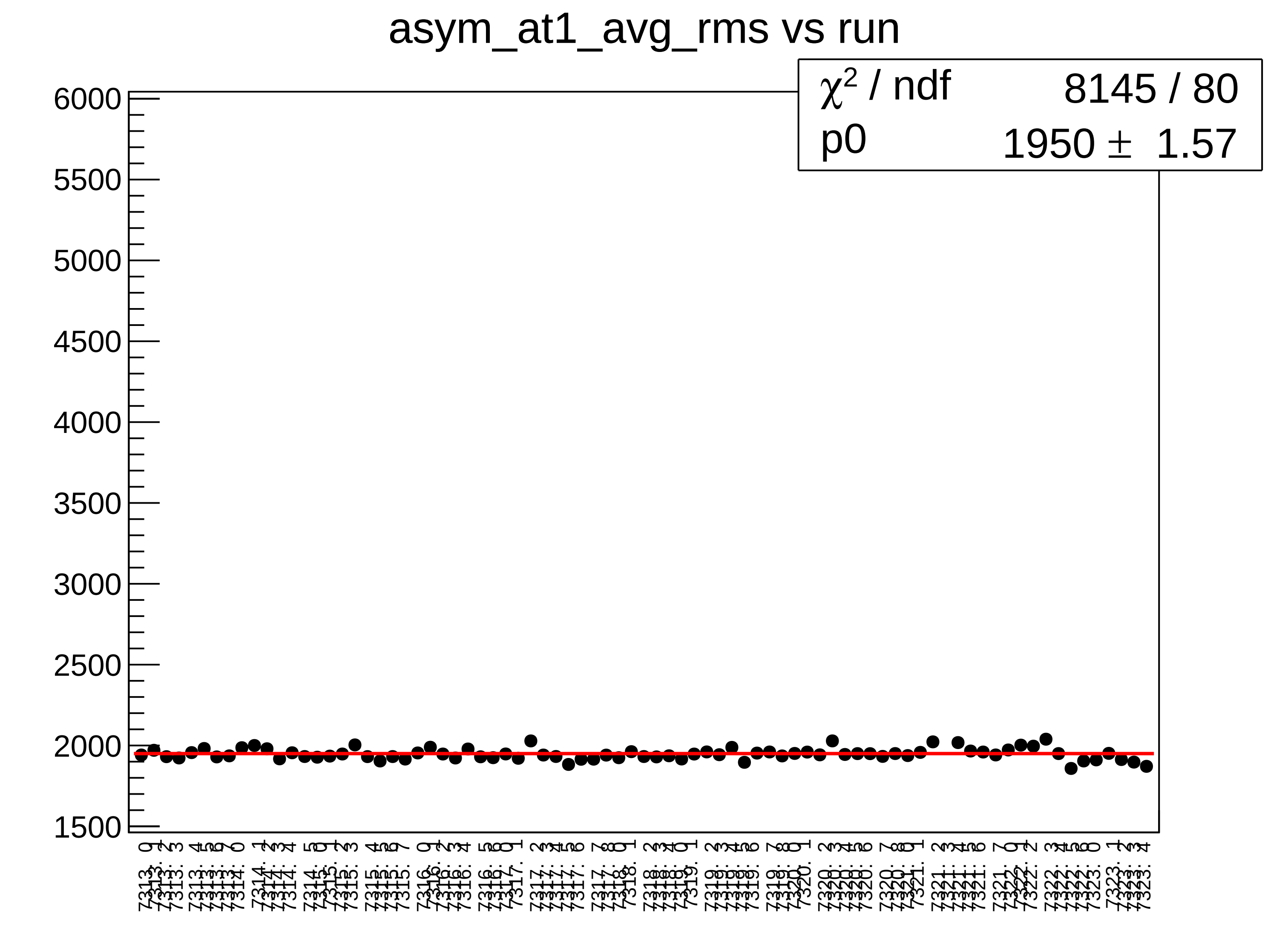

asym_at1_avg_correction_mean vs run
χ2 / ndf 73.88 / 80
p0 1098 ± 697.4
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −210.5
Std Dev 253.5
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.02085
Std Dev 0.9548
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



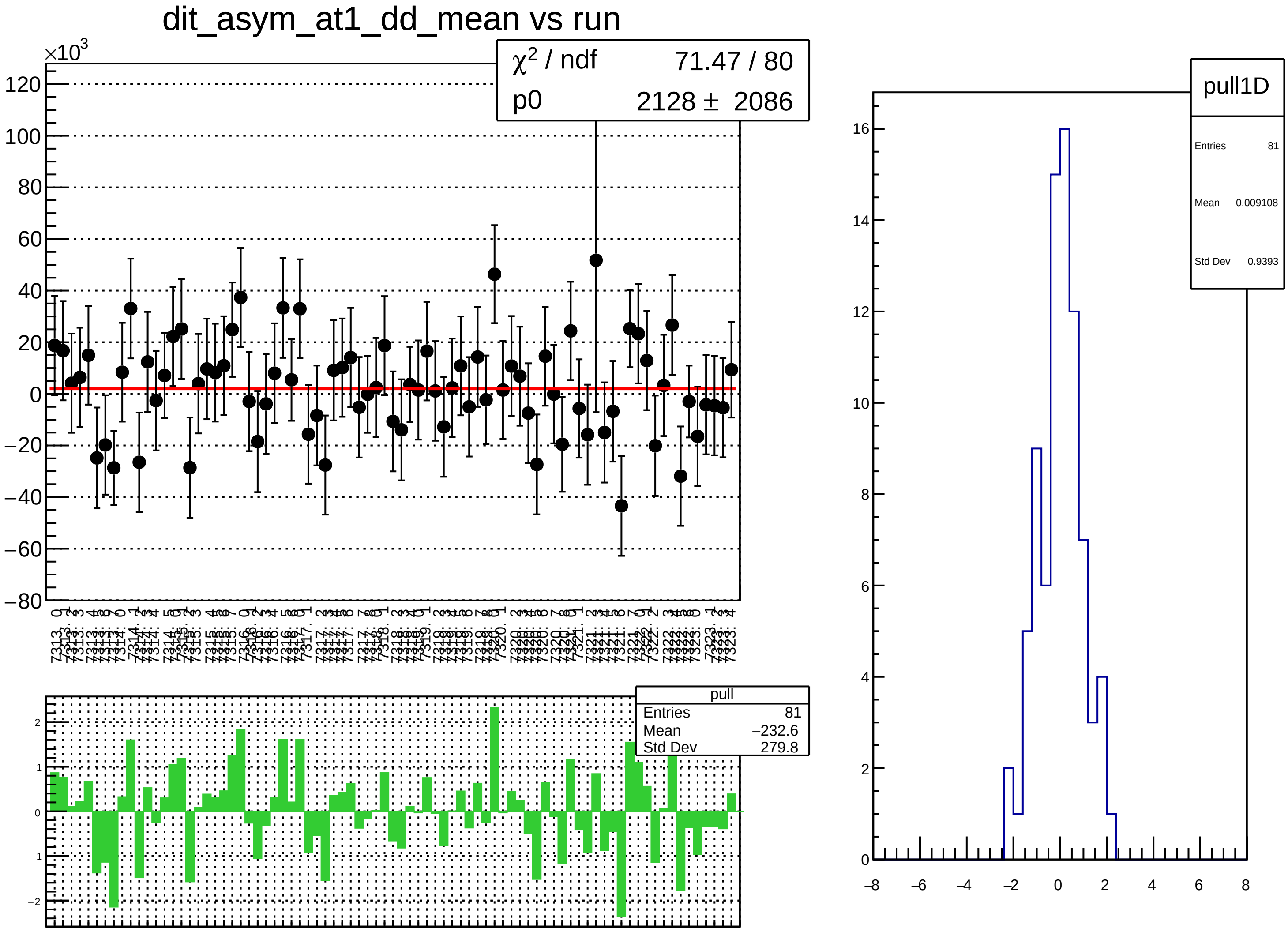
asym_at1_avg_correction_rms vs run
χ^2 / ndf 6.33e+04 / 80
p0 601.4 ± 0.4931
900
800
700
600
500
400
300



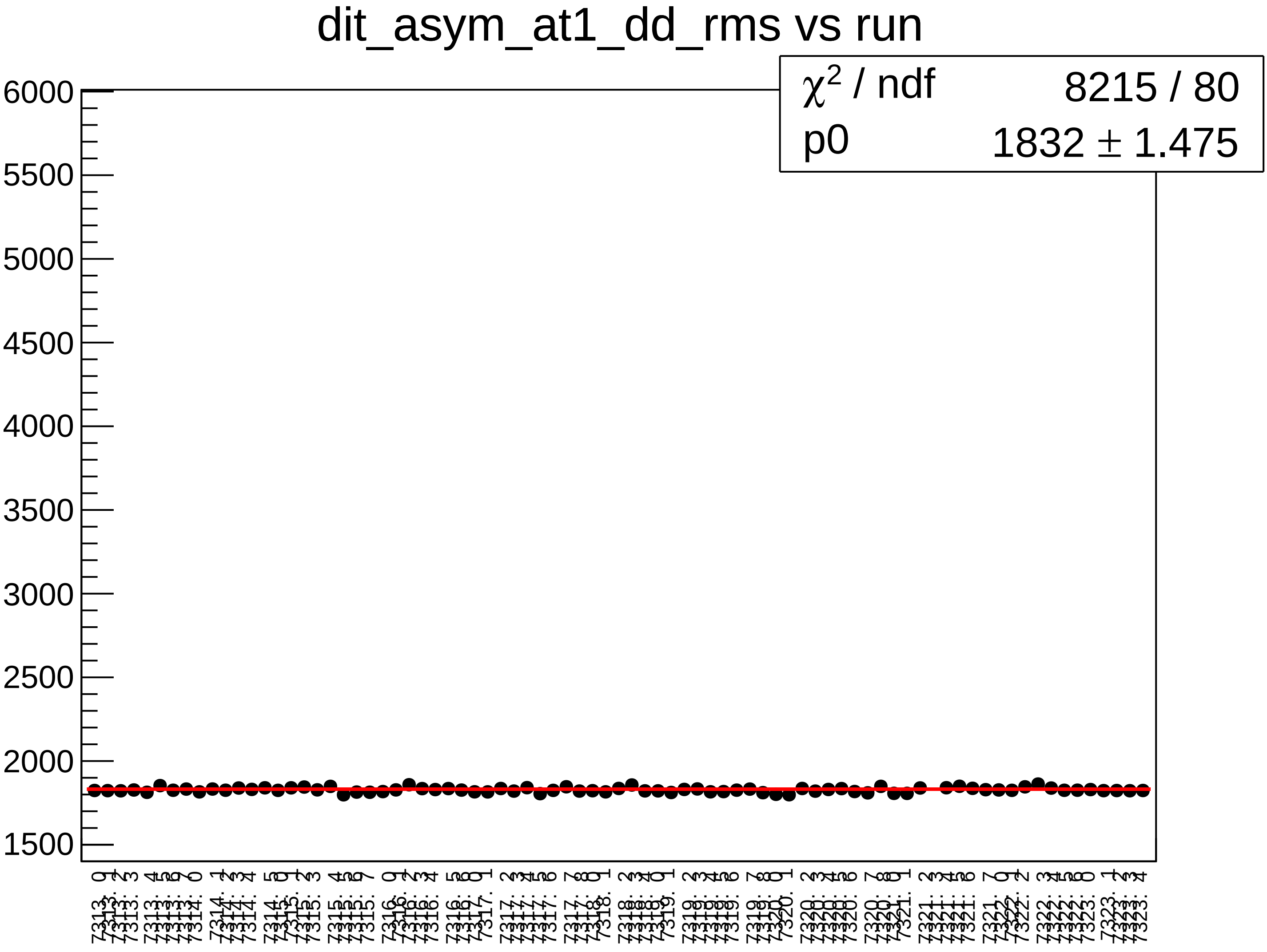
asym_at1_avg_mean vs run
×10^3
χ2 / ndf 111.3 / 80
p0 −1648 ± 2220
100
50
0
−50
−100
−150
pull
Entries 81
Mean −2454
Std Dev 2501
4
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.001392
Std Dev 1.172
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



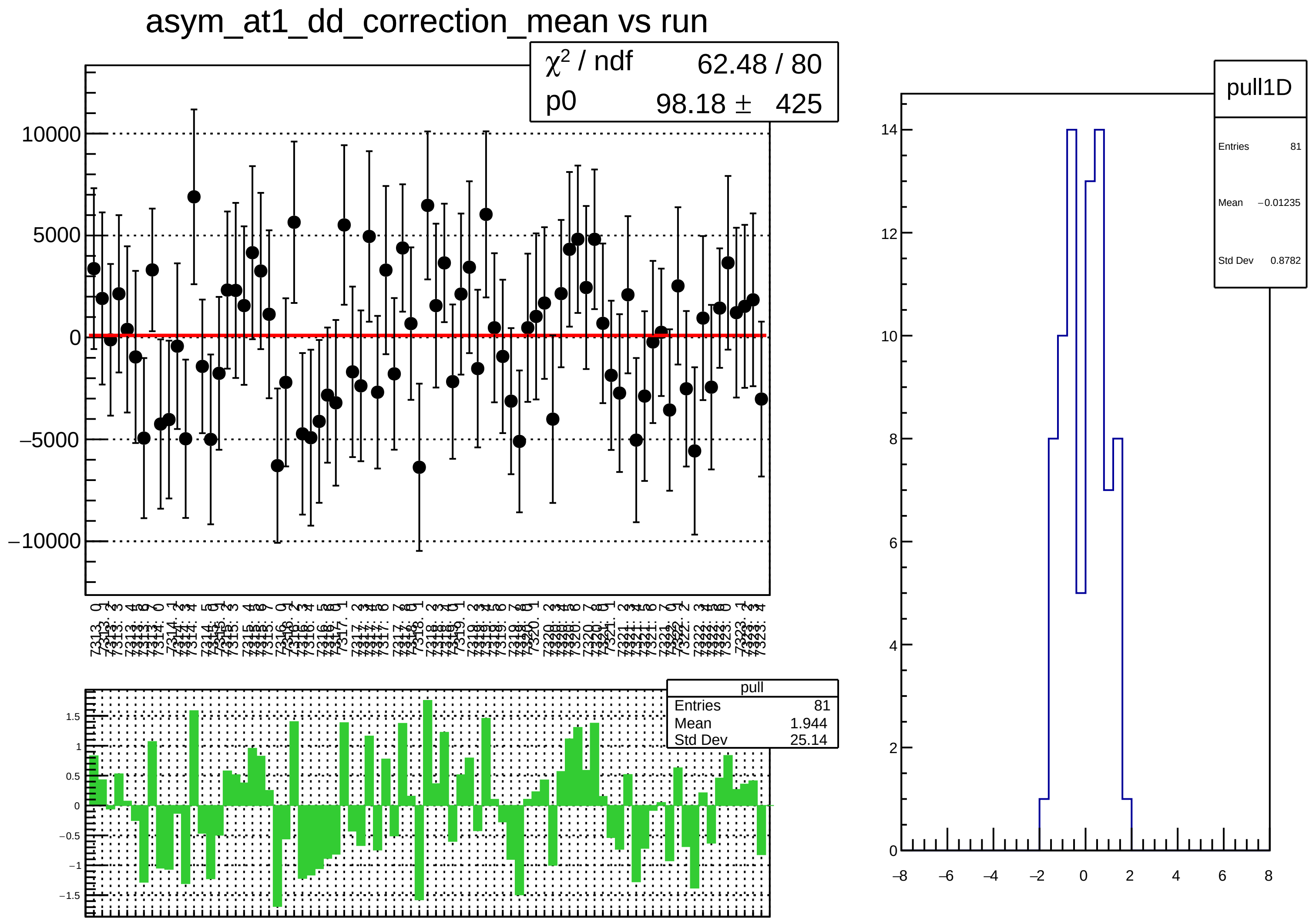
asym_at1_avg_rms vs run
χ2 / ndf 8145 / 80
p0 1950 ± 1.57
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



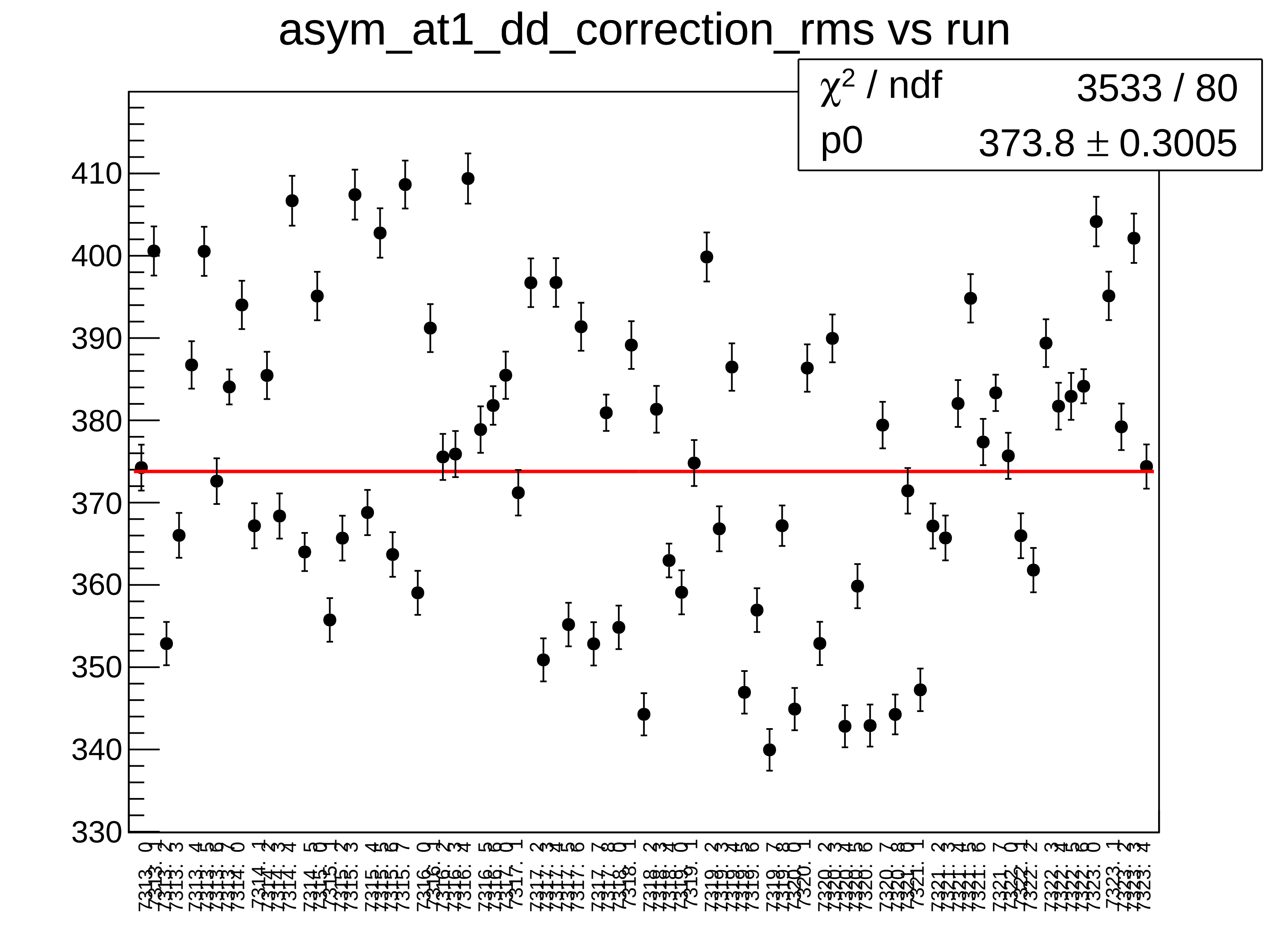
dit_asym_at1_dd_mean vs run
χ^2 / ndf 71.47 / 80
p0 2128 ± 2086
×10^3
pull
Entries 81
Mean −232.6
Std Dev 279.8
pull1D
Entries 81
Mean 0.009108
Std Dev 0.9393



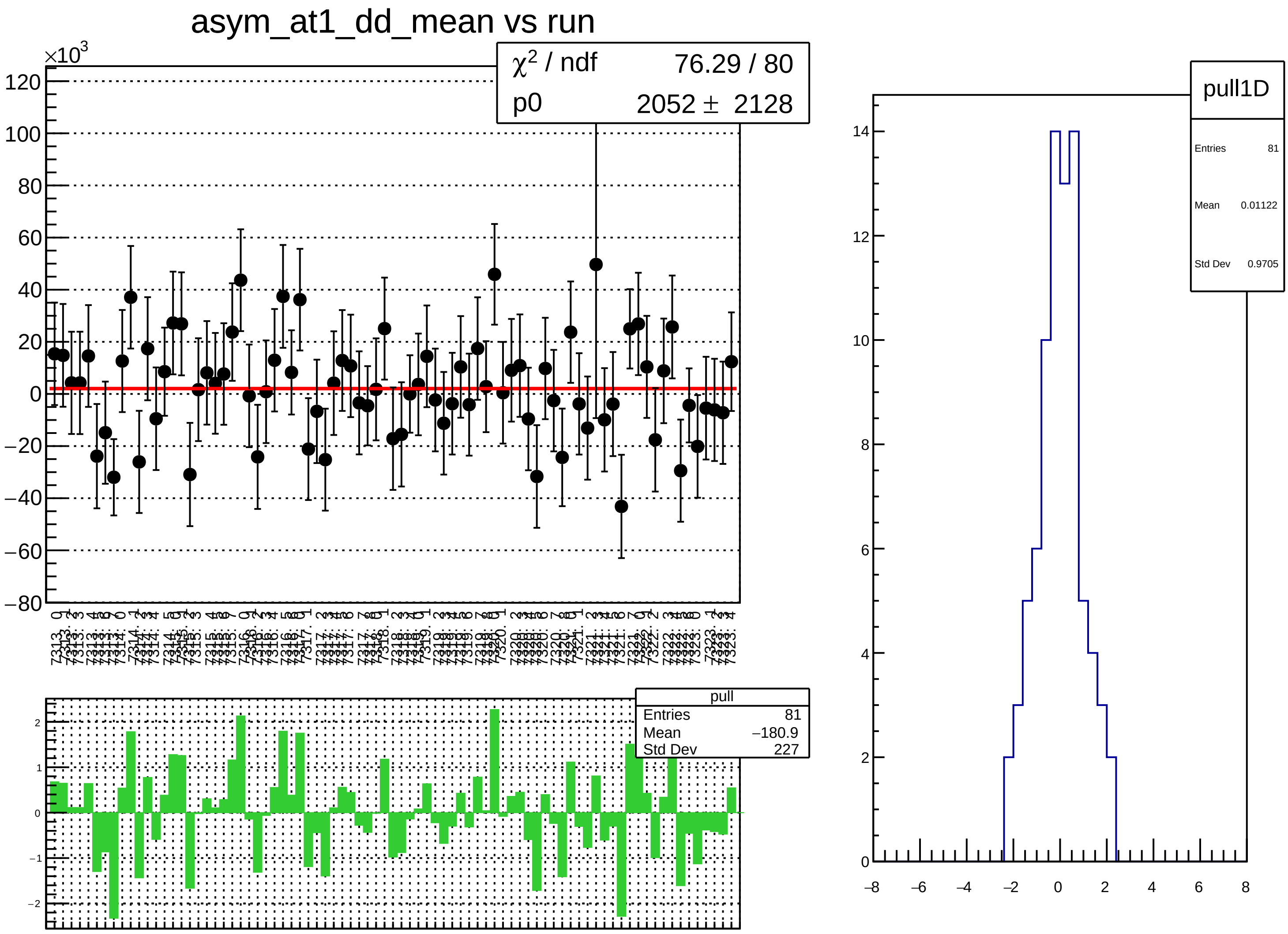
dit_asym_at1_dd_rms vs run
χ² / ndf 8215 / 80
p0 1832 ± 1.475
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



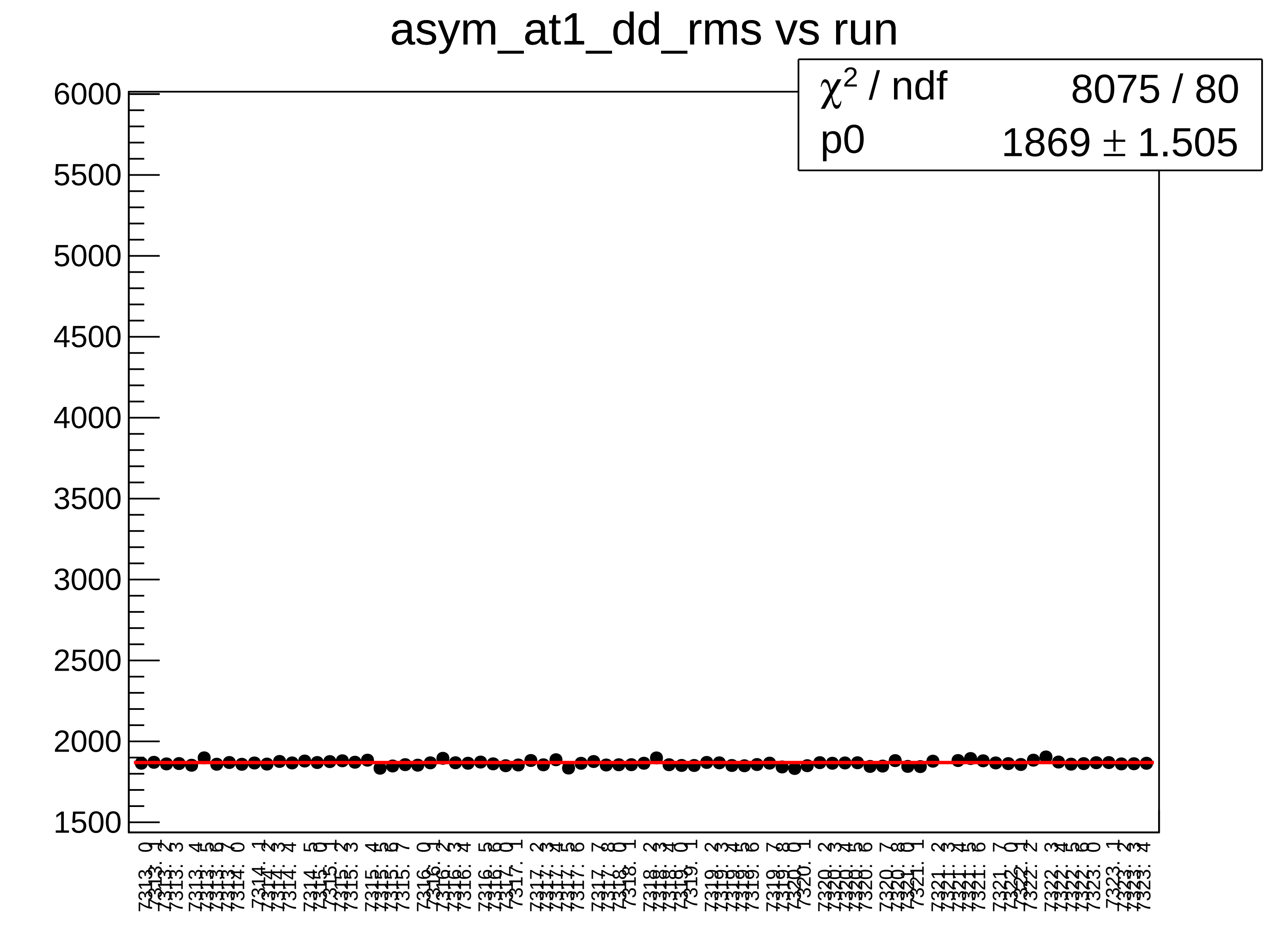
asym_at1_dd_correction_mean vs run
χ^2 / ndf 62.48 / 80
p0 98.18 ± 425
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 1.944
Std Dev 25.14
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.01235
Std Dev 0.8782
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



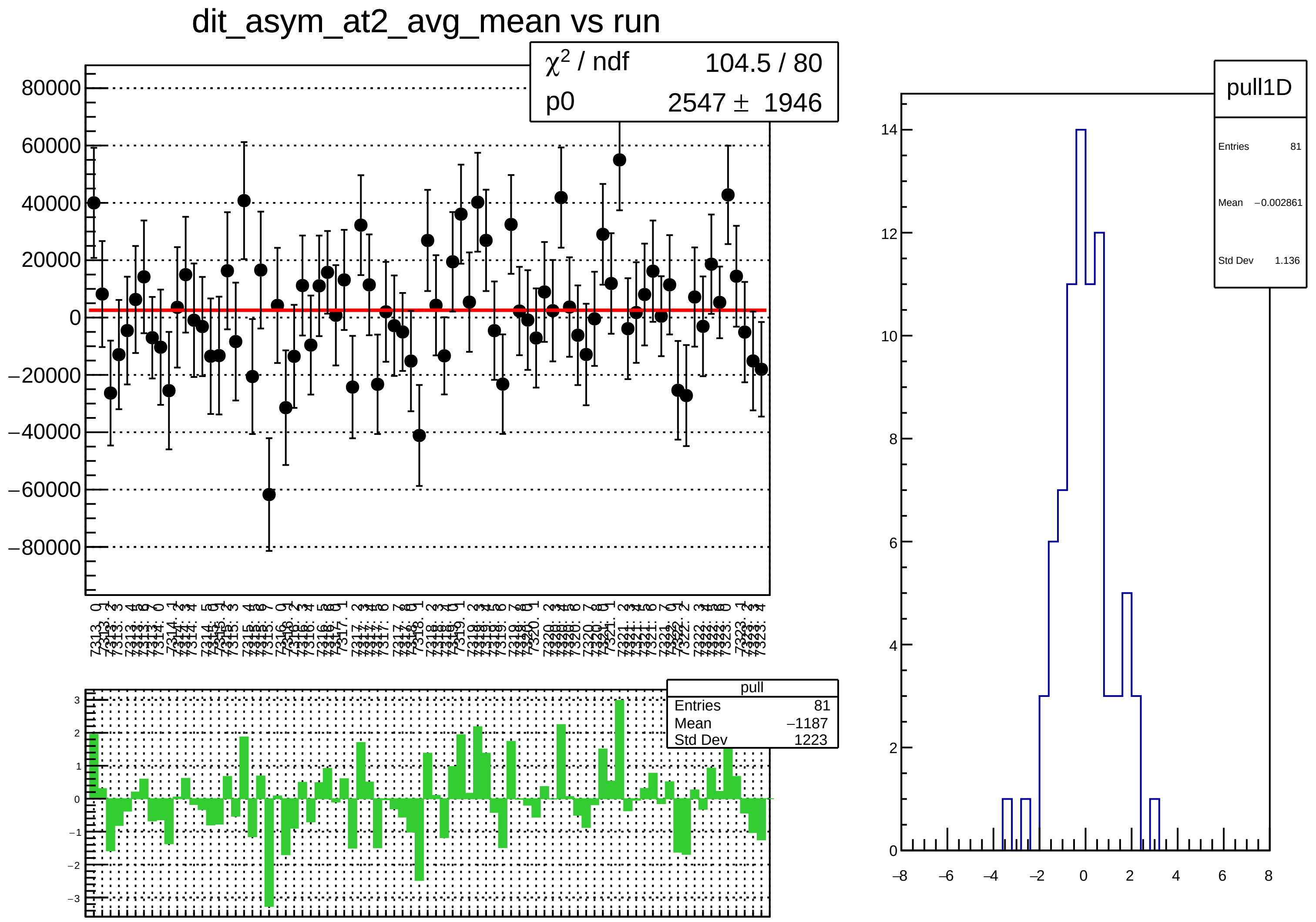
asym_at1_dd_correction_rms vs run
χ^2 / ndf 3533 / 80
p0 373.8 ± 0.3005
410
400
390
380
370
360
350
340
330

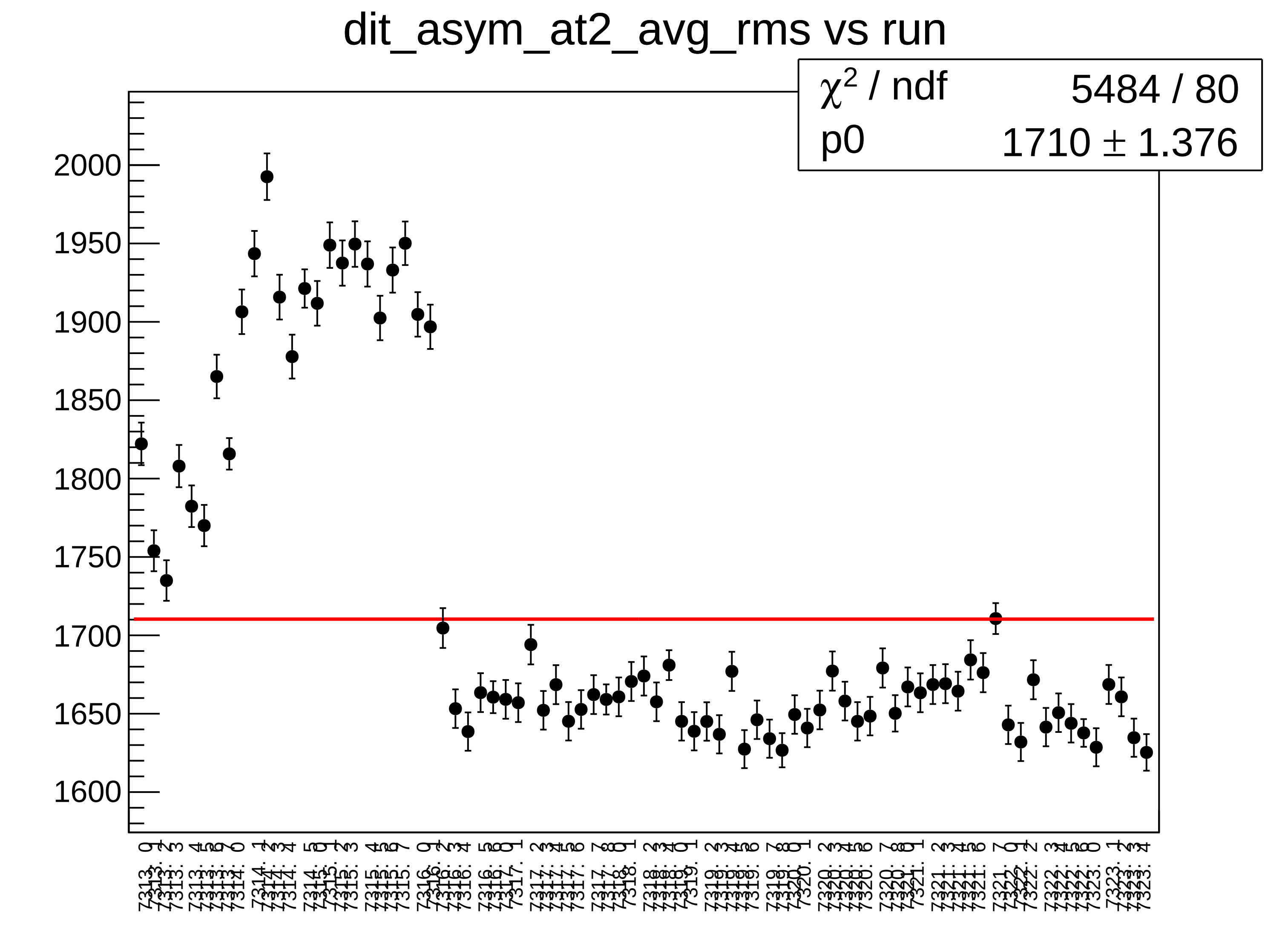


asym_at1_dd_mean vs run
×10^3
χ2 / ndf 76.29 / 80
p0 2052 ± 2128
pull
Entries 81
Mean −180.9
Std Dev 227
pull1D
Entries 81
Mean 0.01122
Std Dev 0.9705

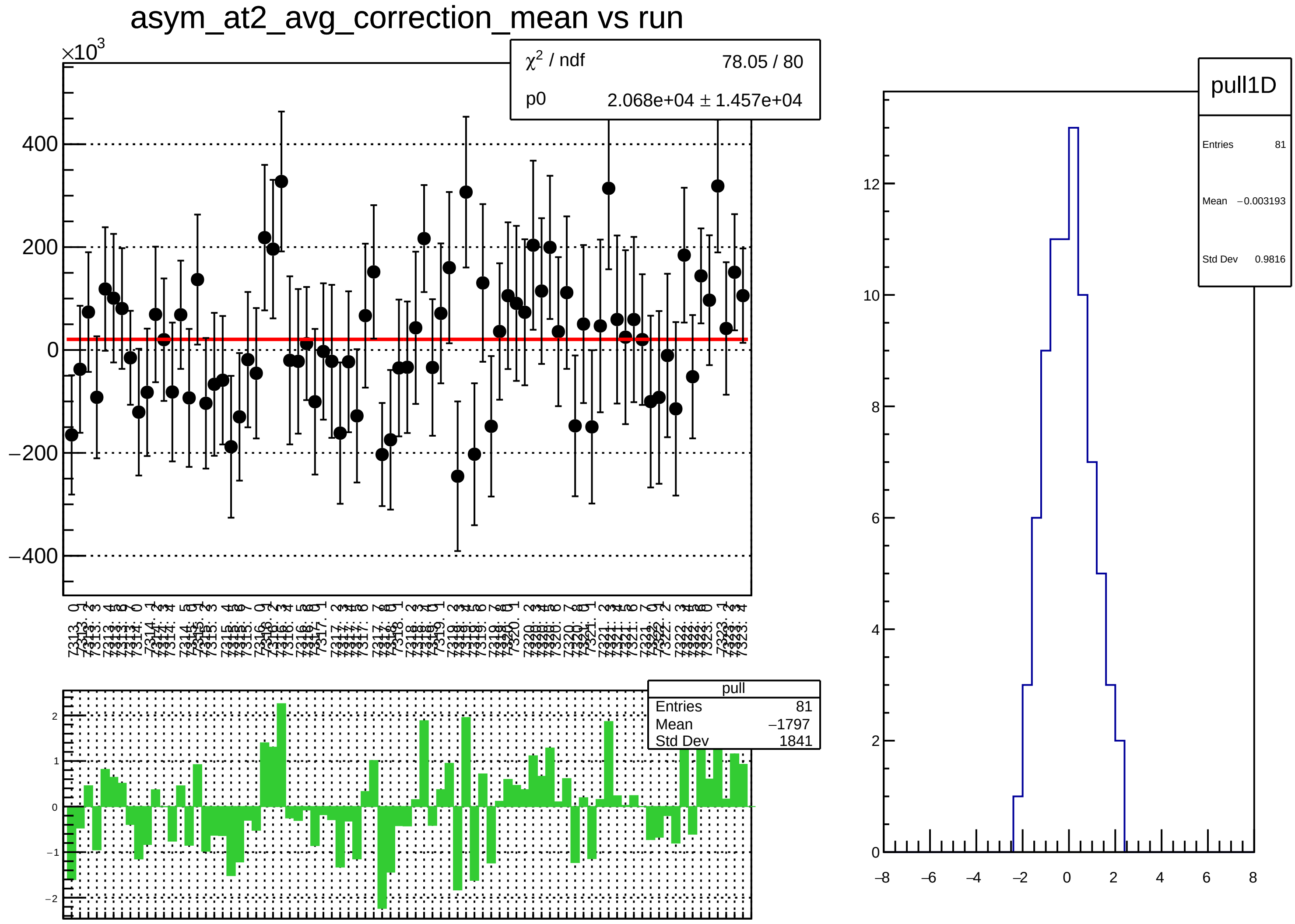


asym_at1_dd_rms vs run
χ^2 / ndf 8075 / 80
p0 1869 ± 1.505
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

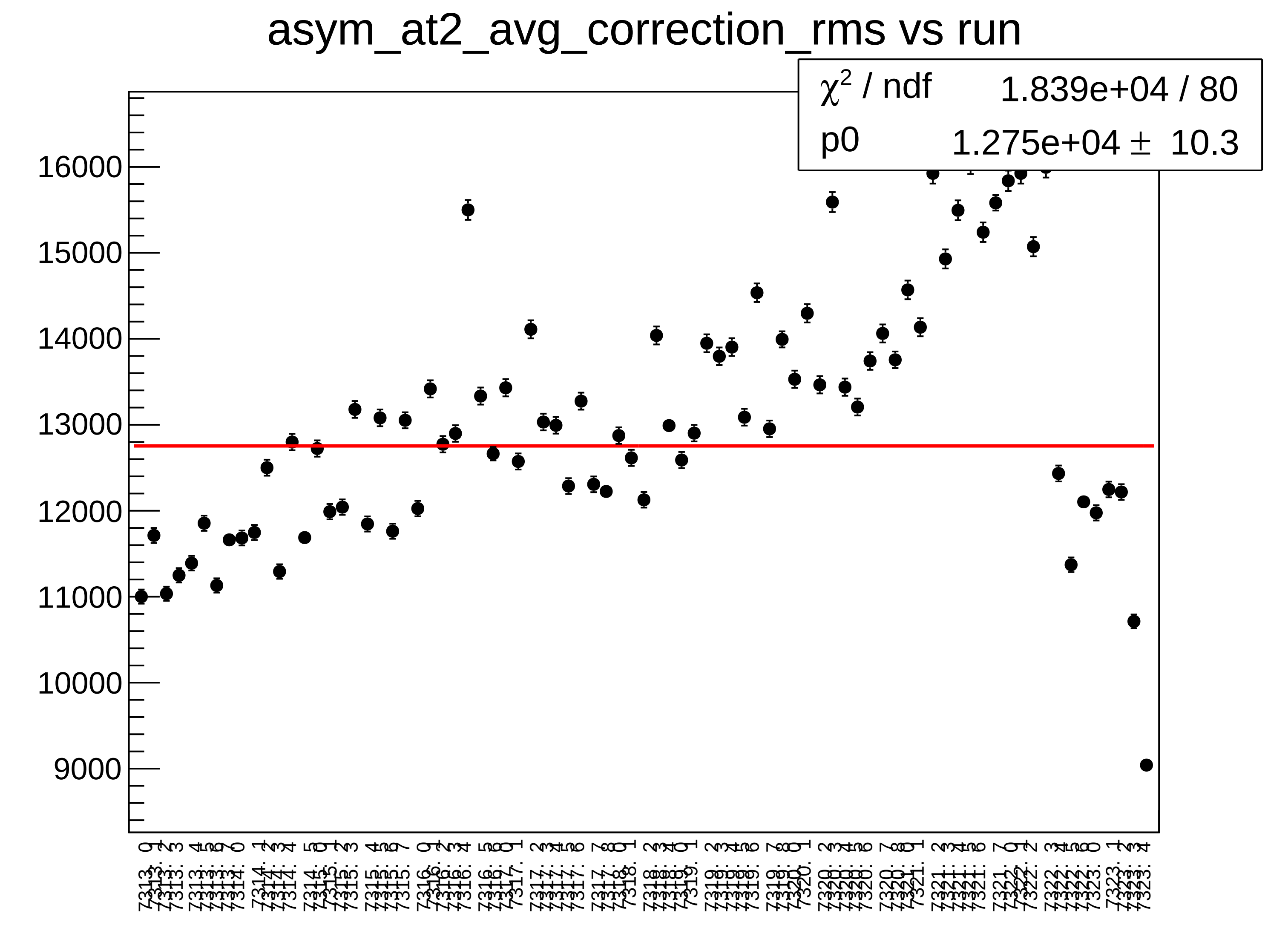

dit_asym_at2_avg_mean vs run
χ^2 / ndf 104.5 / 80
p0 2547 ± 1946
pull
Entries 81
Mean −1187
Std Dev 1223
pull1D
Entries 81
Mean −0.002861
Std Dev 1.136

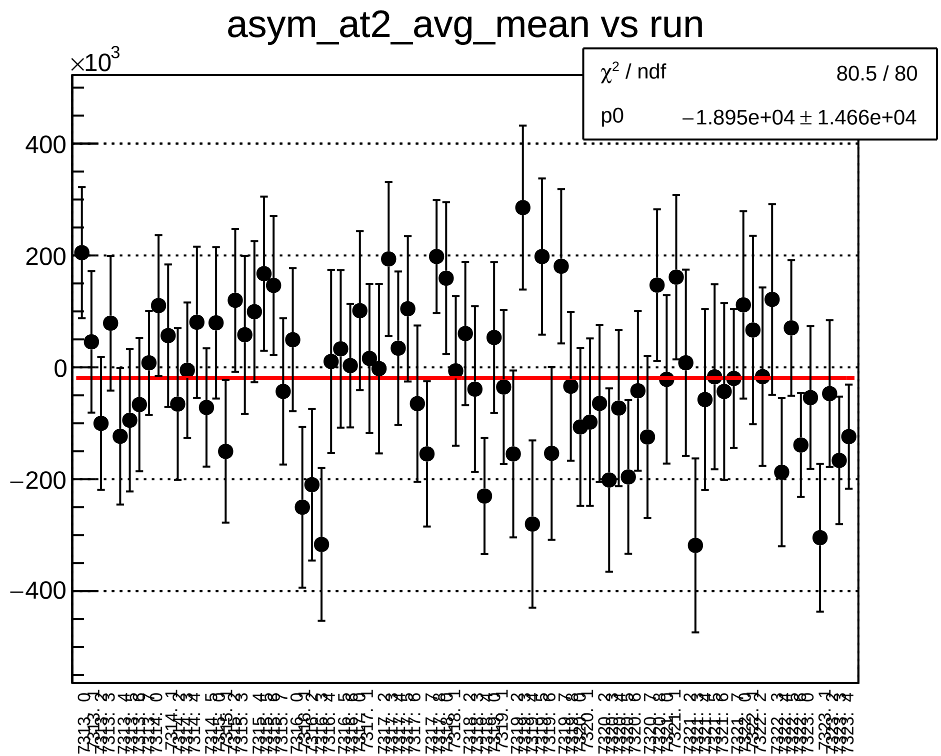


dit_asym_at2_avg_rms vs run
χ^2 / ndf 5484 / 80
p0 1710 ± 1.376
2000
1950
1900
1850
1800
1750
1700
1650
1600

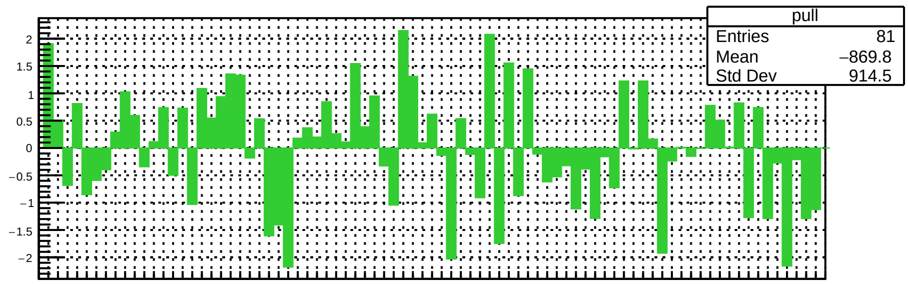


asym_at2_avg_correction_mean vs run
×10^3
χ^2 / ndf 78.05 / 80
p0 2.068e+04 ± 1.457e+04
400
200
0
−200
−400
pull
Entries 81
Mean −1797
Std Dev 1841
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.003193
Std Dev 0.9816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

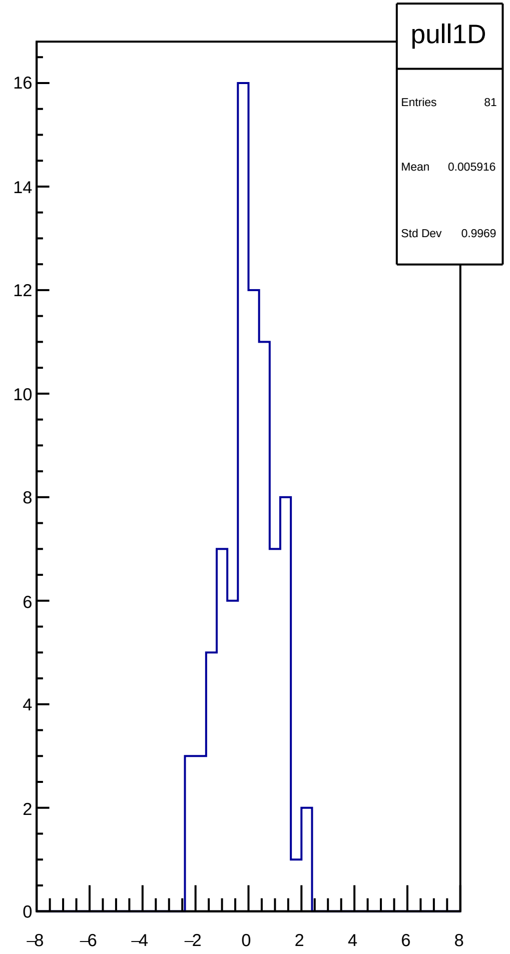

asym_at2_avg_correction_rms vs run
χ^2 / ndf 1.839e+04 / 80
p0 1.275e+04 ± 10.3
16000
15000
14000
13000
12000
11000
10000
9000



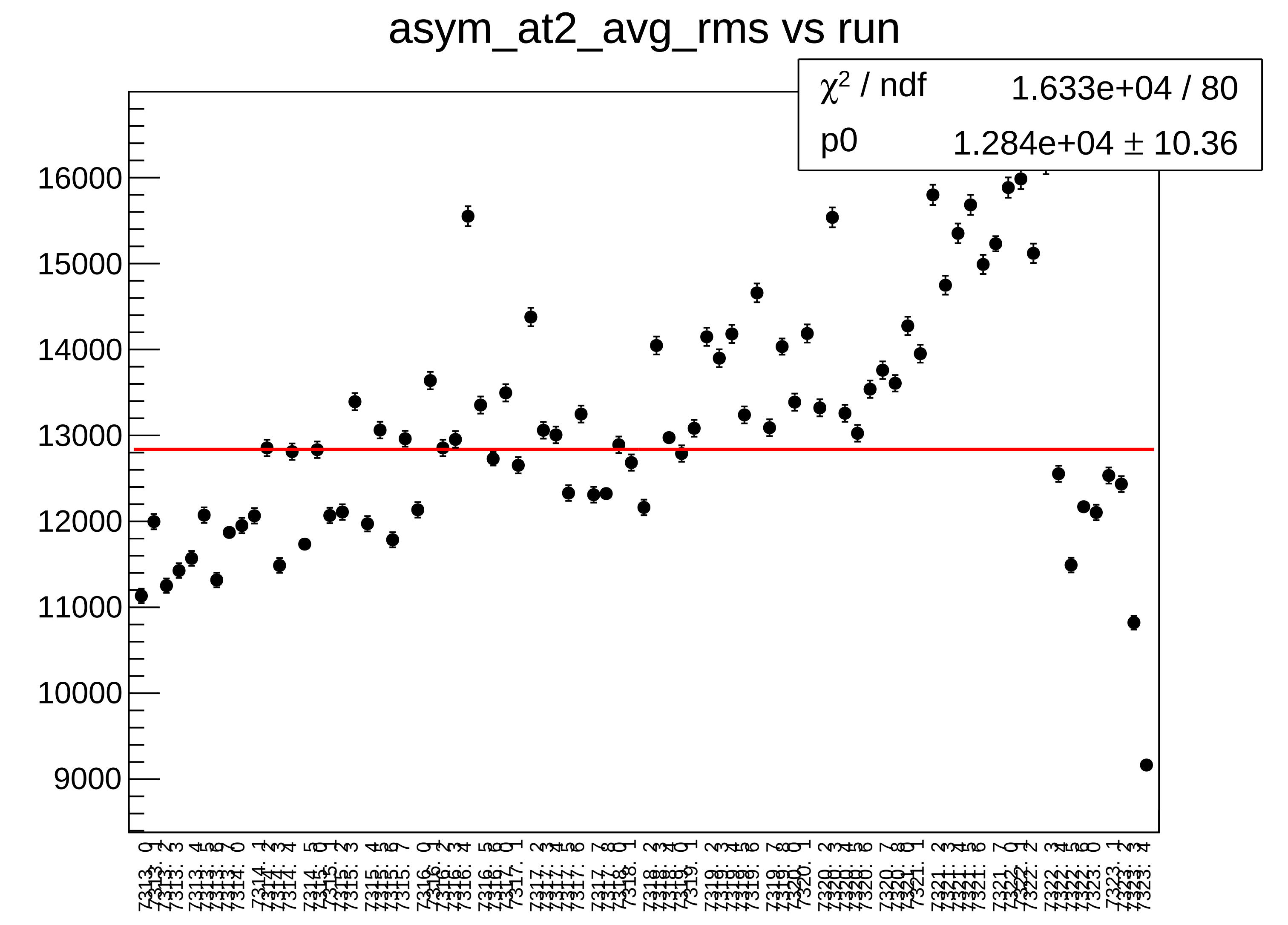
asym_at2_avg_mean vs run
χ² / ndf 80.5 / 80
p0 −1.895e+04 ± 1.466e+04
×10³
400
200
0
−200
−400



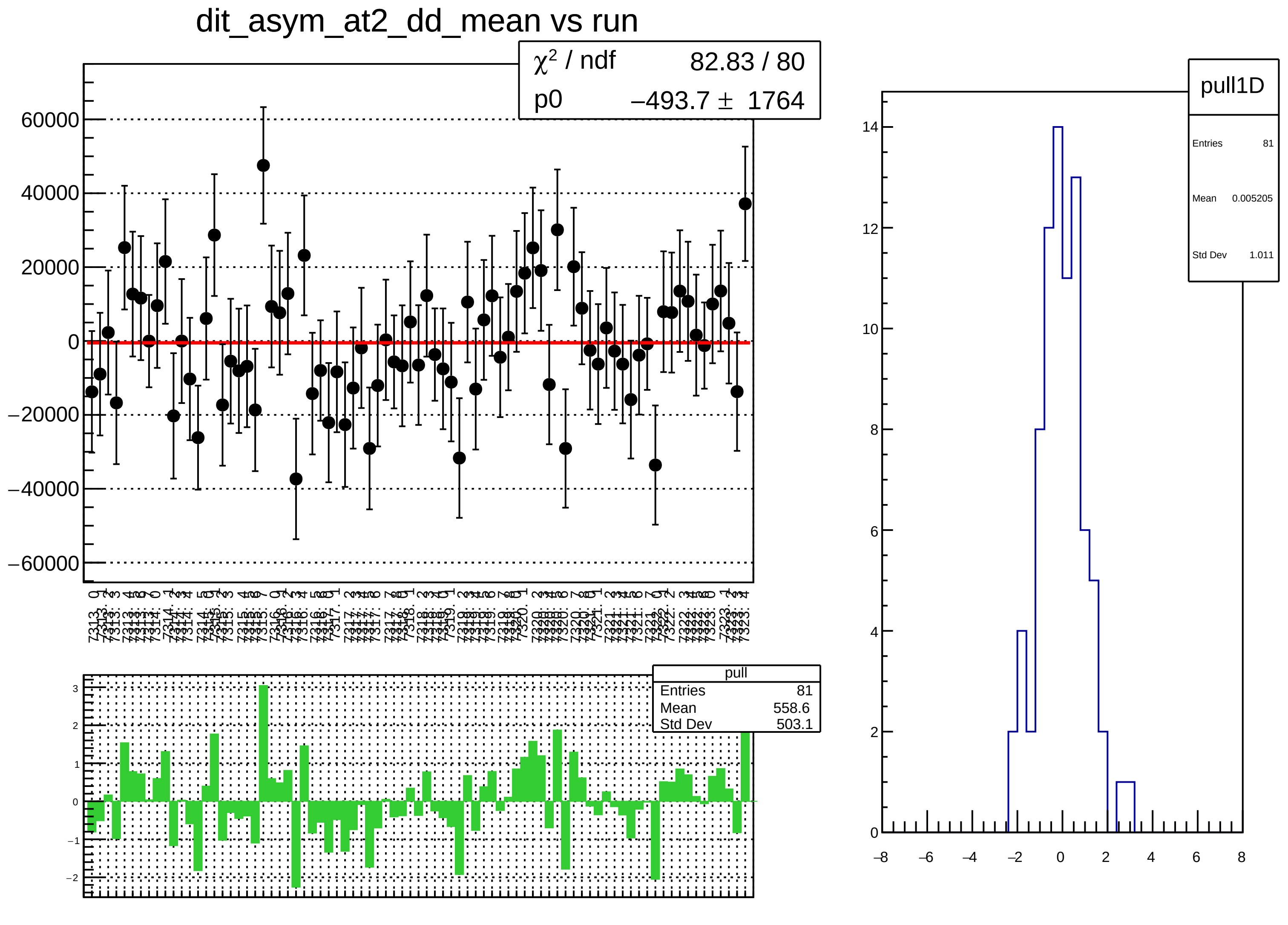
pull
Entries 81
Mean −869.8
Std Dev 914.5



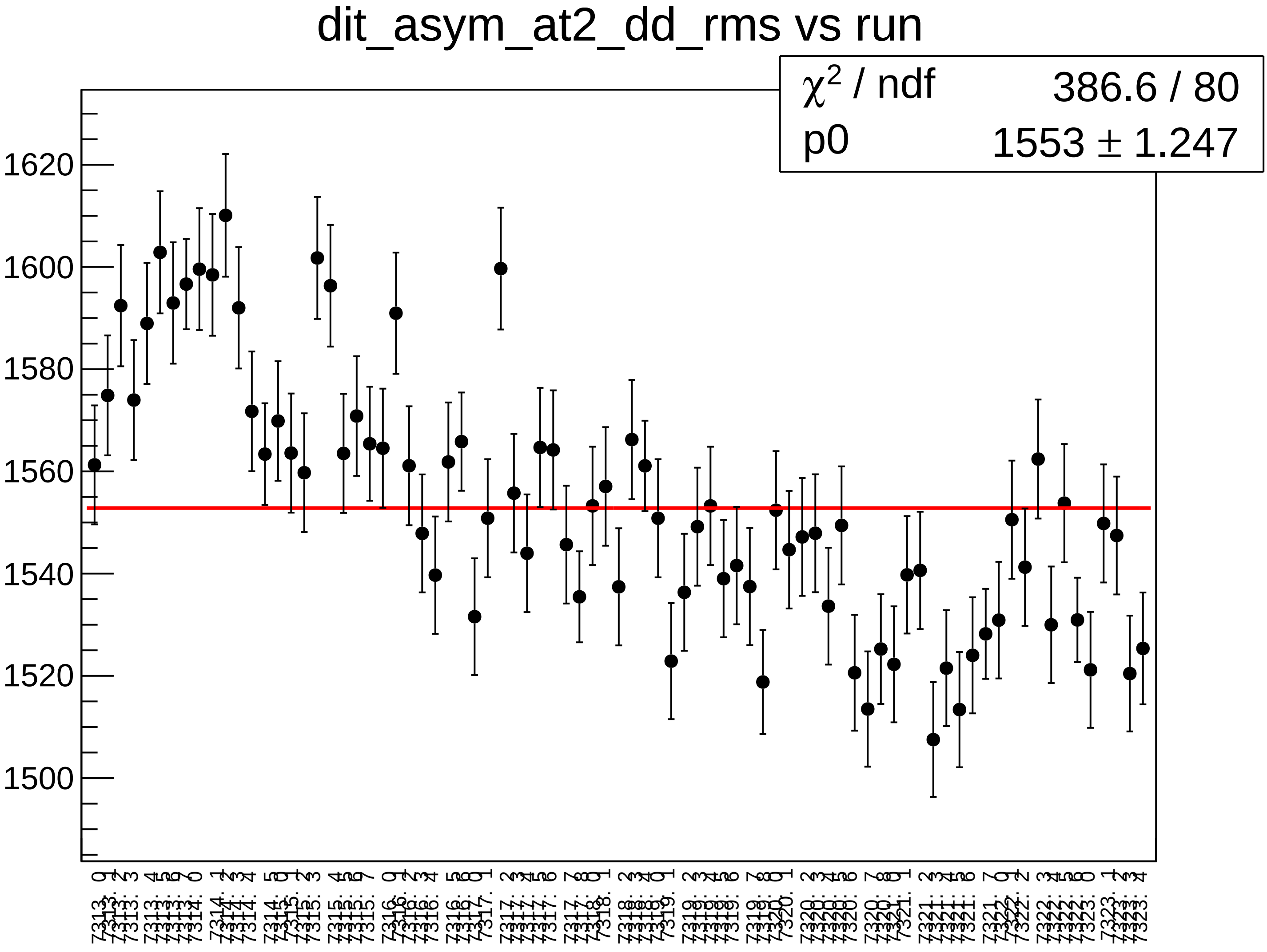
pull1D
Entries 81
Mean 0.005916
Std Dev 0.9969

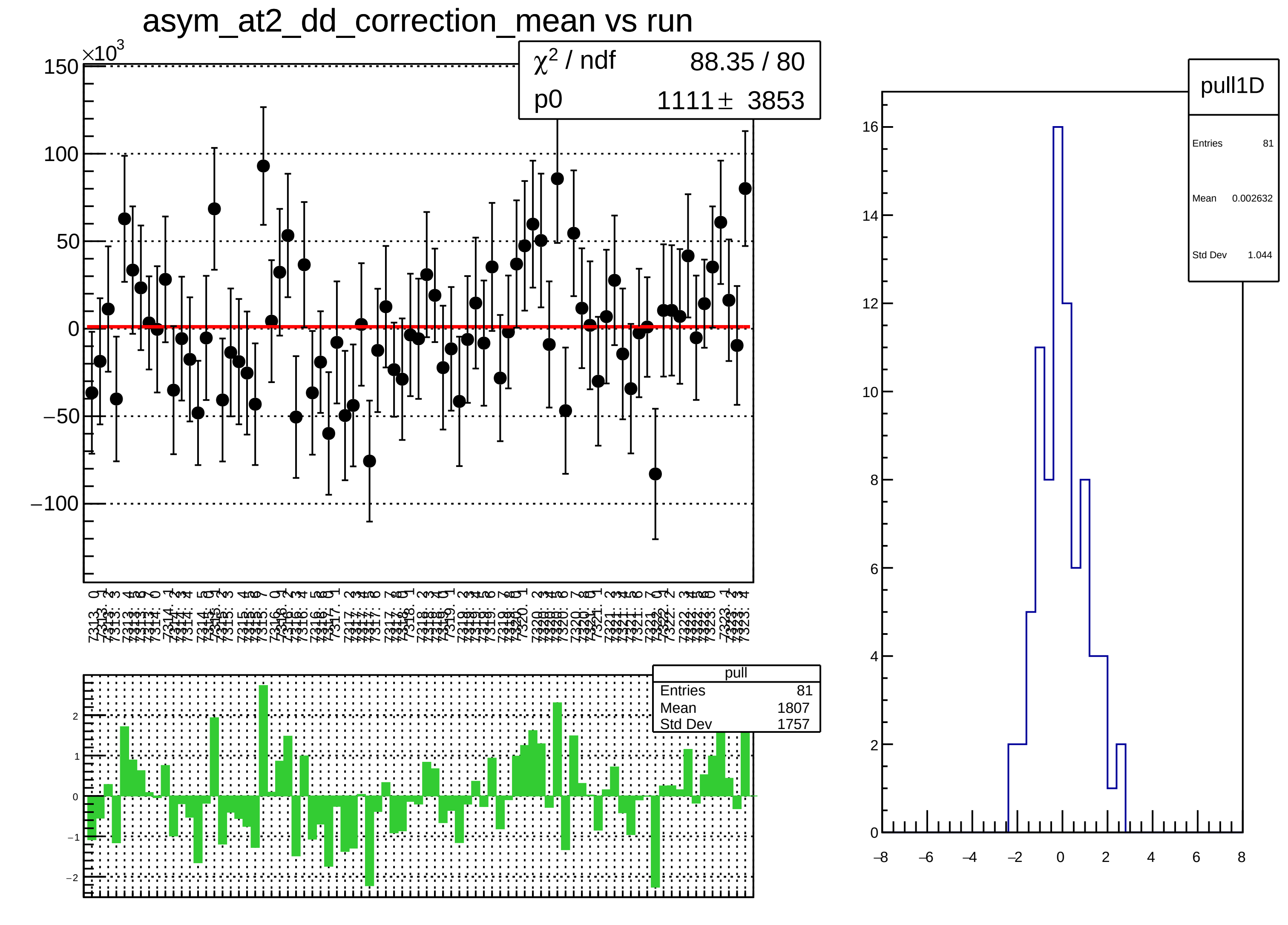


asym_at2_avg_rms vs run
χ^2 / ndf 1.633e+04 / 80
p0 1.284e+04 ± 10.36
16000
15000
14000
13000
12000
11000
10000
9000

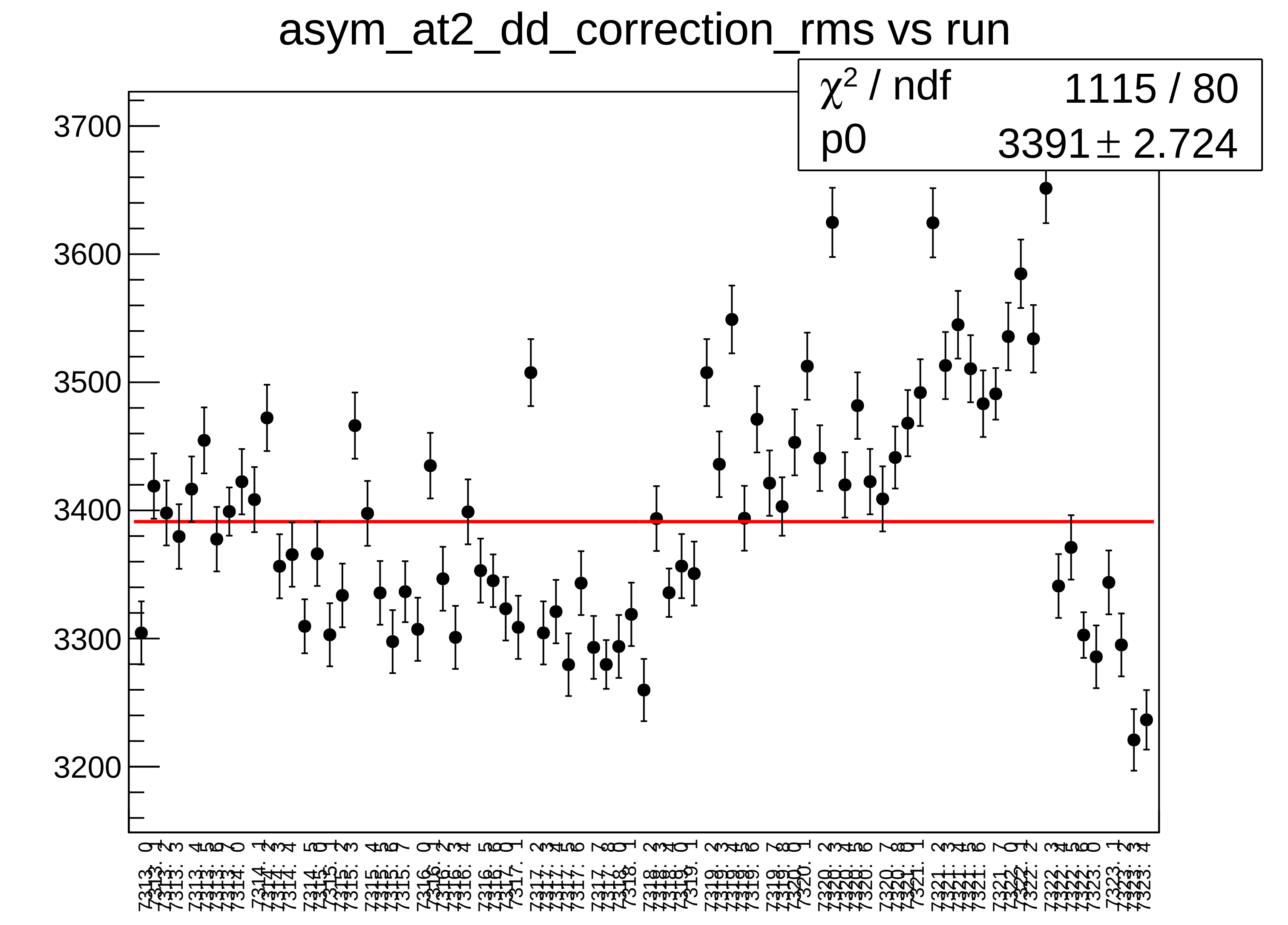


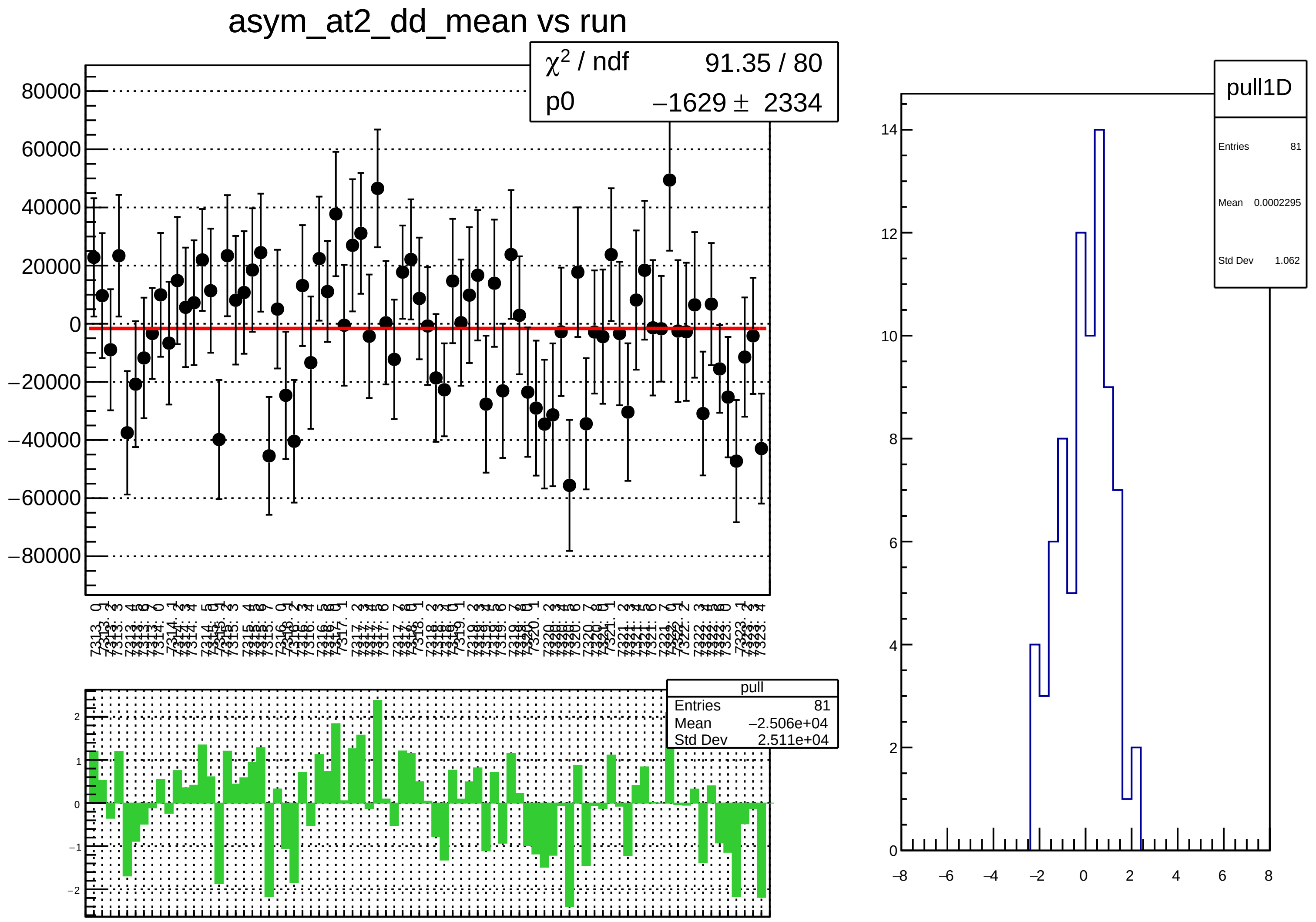
dit_asym_at2_dd_mean vs run
χ^2 / ndf 82.83 / 80
p0 −493.7 ± 1764
pull
Entries 81
Mean 558.6
Std Dev 503.1
pull1D
Entries 81
Mean 0.005205
Std Dev 1.011


dit_asym_at2_dd_rms vs run
χ2 / ndf 386.6 / 80
p0 1553 ± 1.247
1620
1600
1580
1560
1540
1520
1500

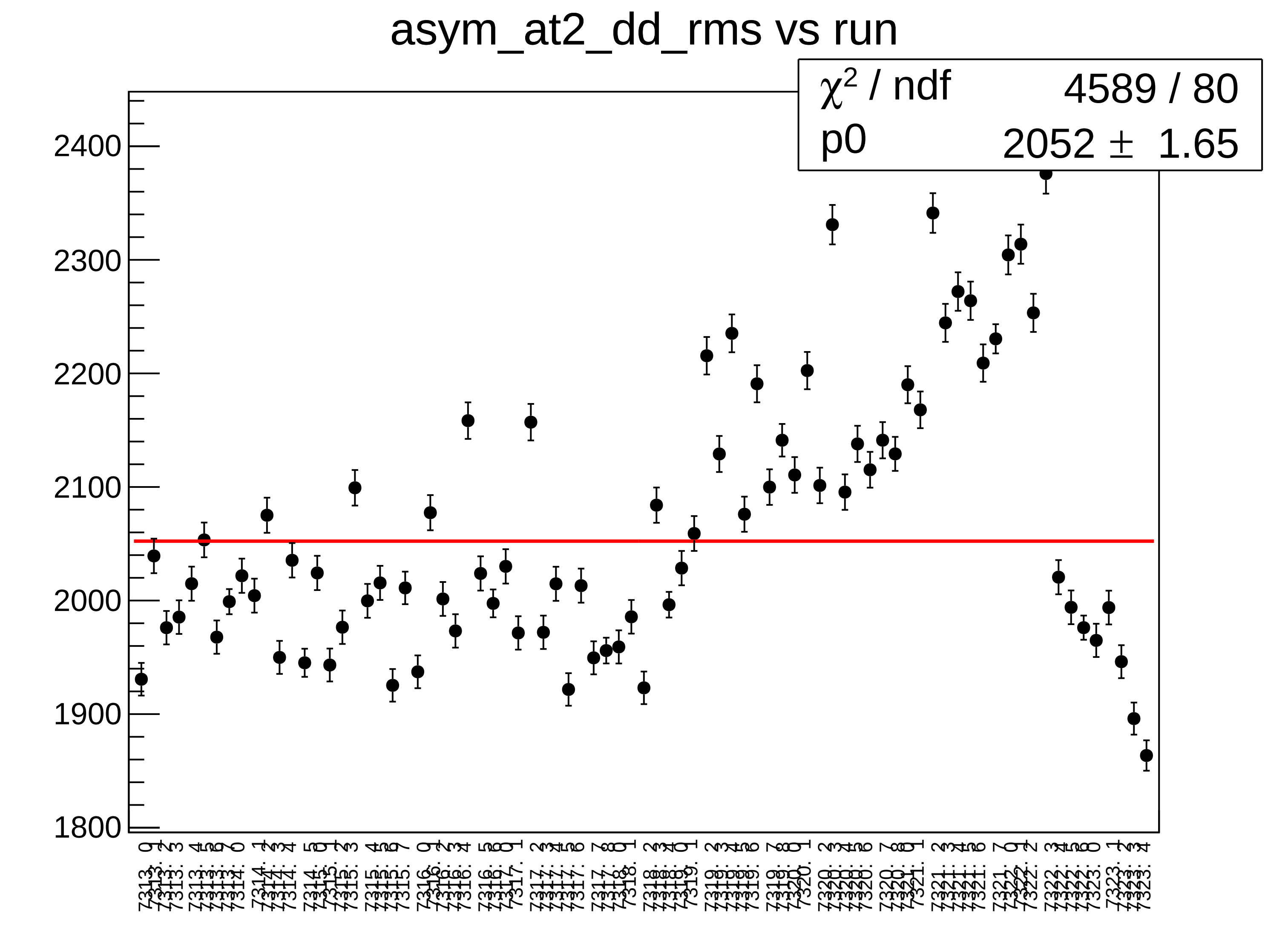


asym_at2_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 88.35 / 80
p0 1111 ± 3853
150
100
50
0
−50
−100
pull
Entries 81
Mean 1807
Std Dev 1757
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.002632
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

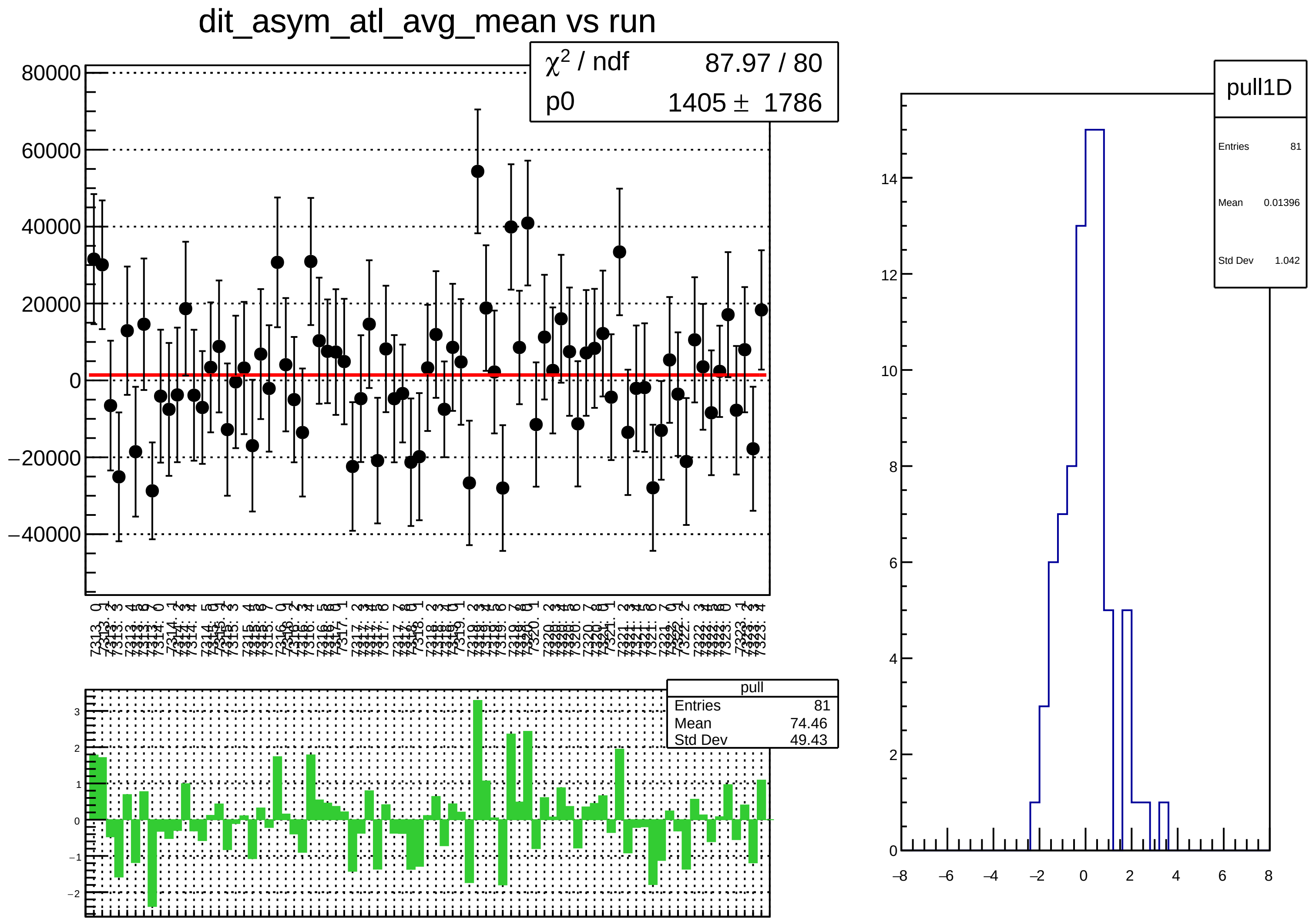

asym_at2_dd_correction_rms vs run
χ2 / ndf 1115 / 80
p0 3391 ± 2.724
3700
3600
3500
3400
3300
3200

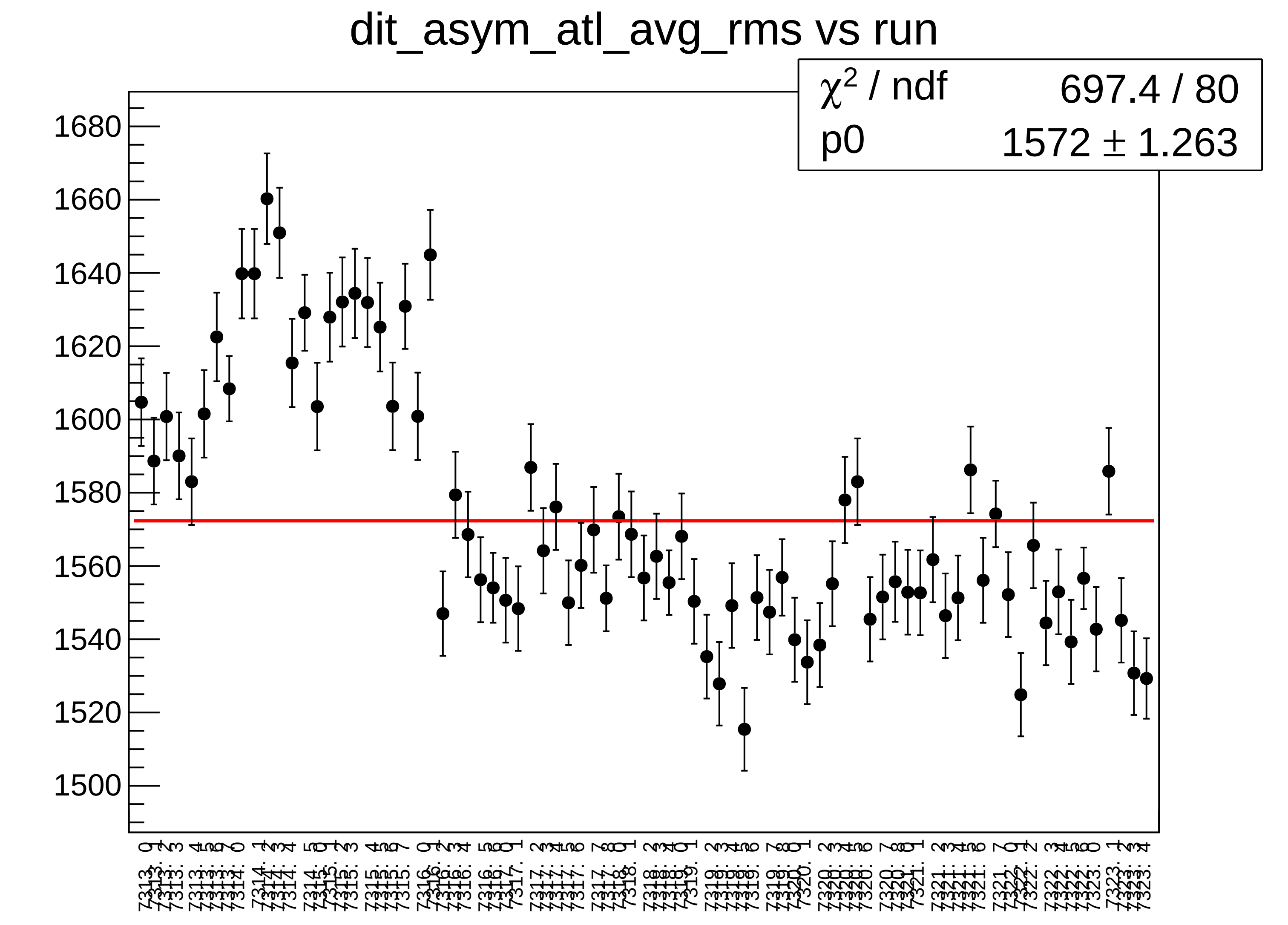


asym_at2_dd_mean vs run
χ2 / ndf 91.35 / 80
p0 −1629 ± 2334
pull
Entries 81
Mean −2.506e+04
Std Dev 2.511e+04
pull1D
Entries 81
Mean 0.0002295
Std Dev 1.062

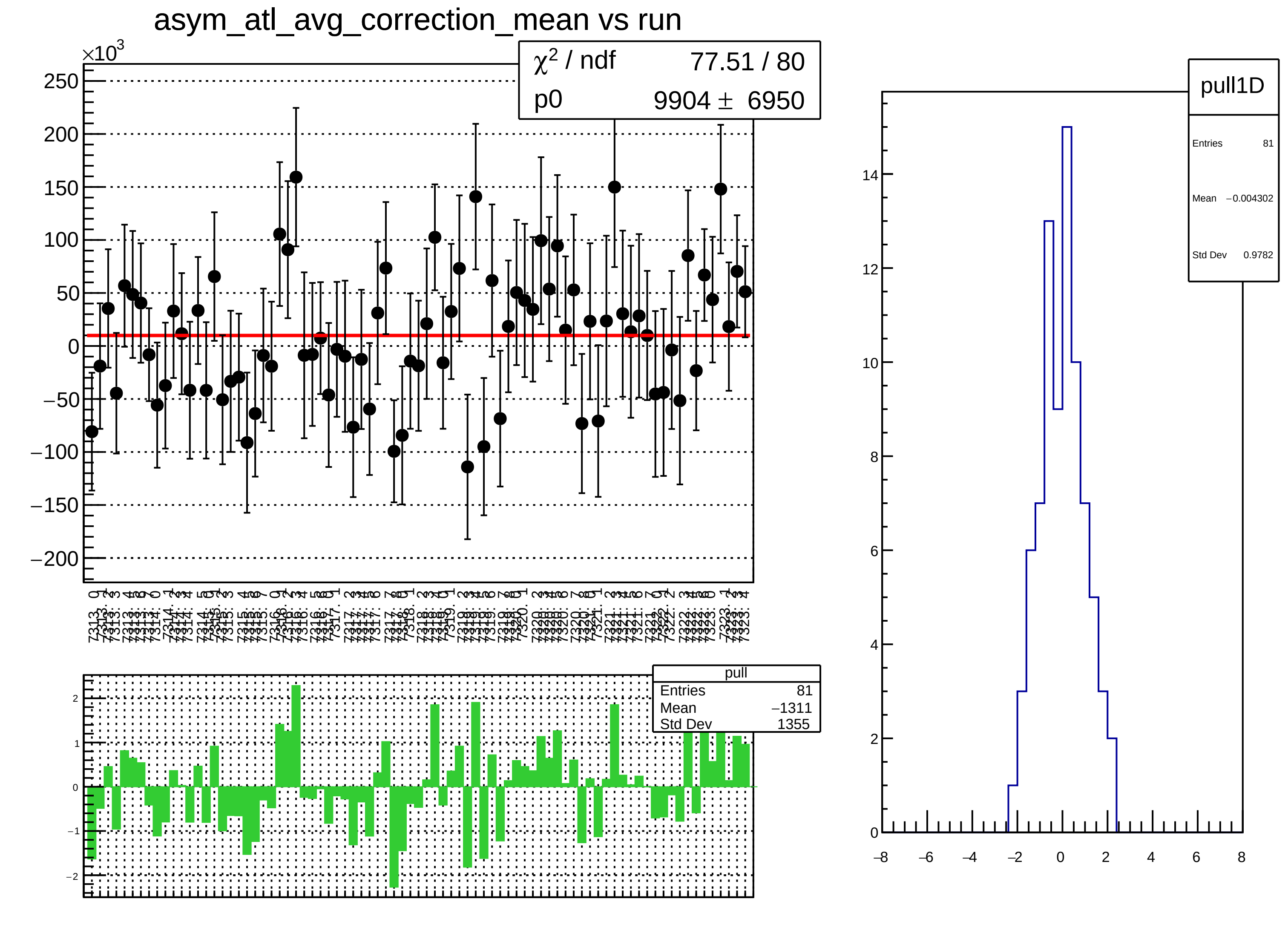


asym_at2_dd_rms vs run
χ2 / ndf 4589 / 80
p0 2052 ± 1.65
2400
2300
2200
2100
2000
1900
1800

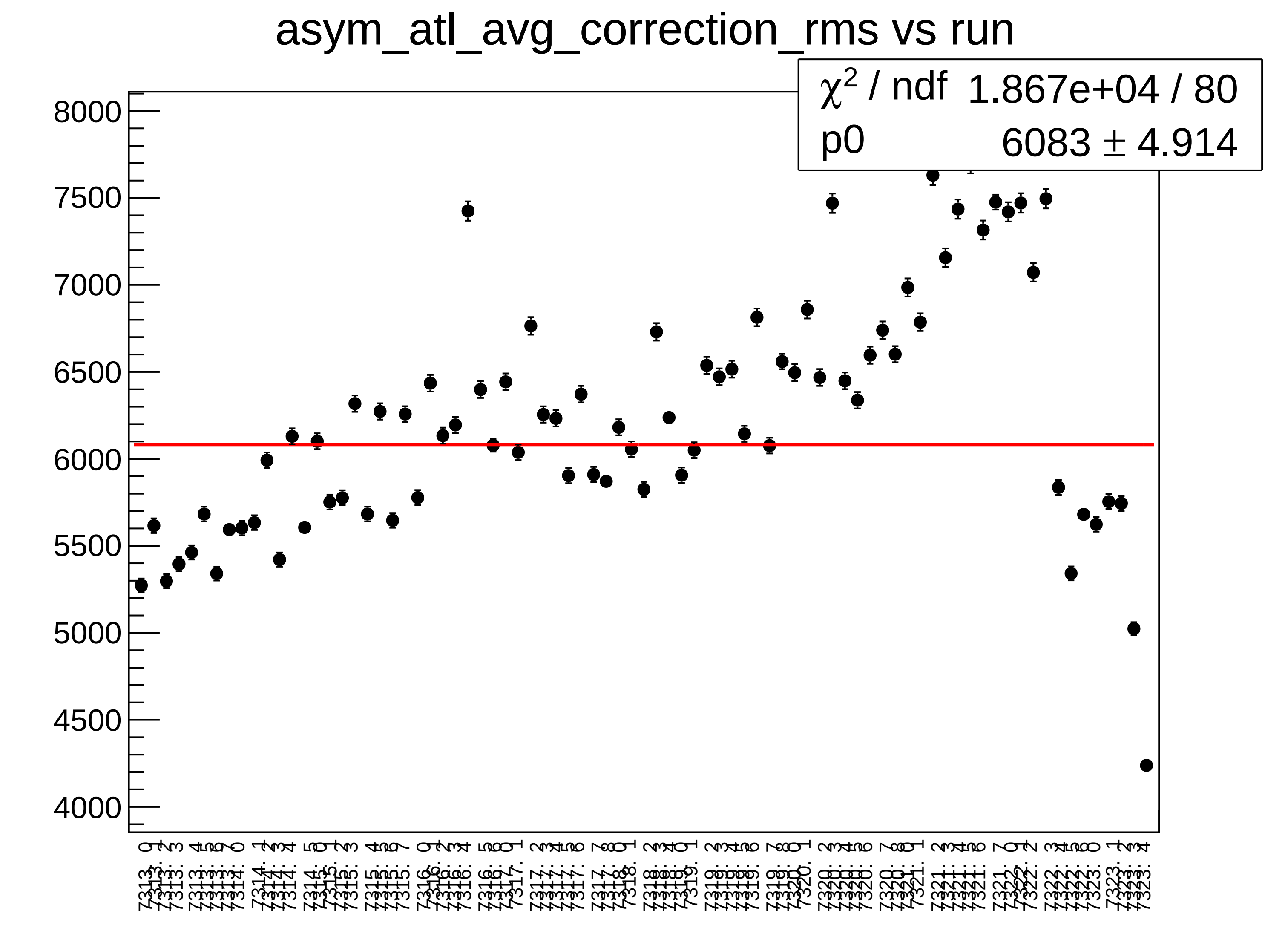

dit_asym_atl_avg_mean vs run
χ^2 / ndf 87.97 / 80
p0 1405 ± 1786
pull
Entries 81
Mean 74.46
Std Dev 49.43
pull1D
Entries 81
Mean 0.01396
Std Dev 1.042



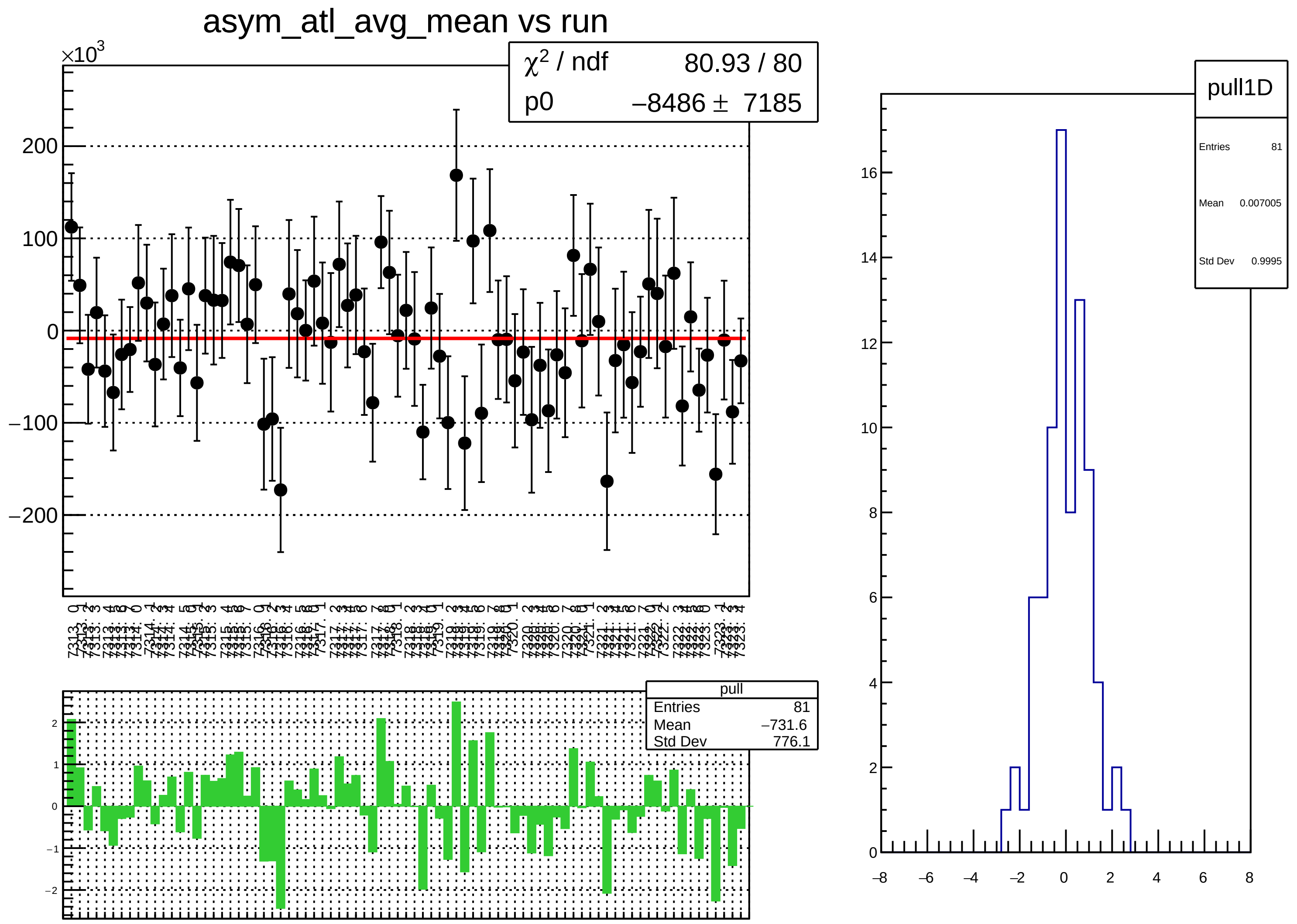
dit_asym_atl_avg_rms vs run
χ2 / ndf 697.4 / 80
p0 1572 ± 1.263
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500



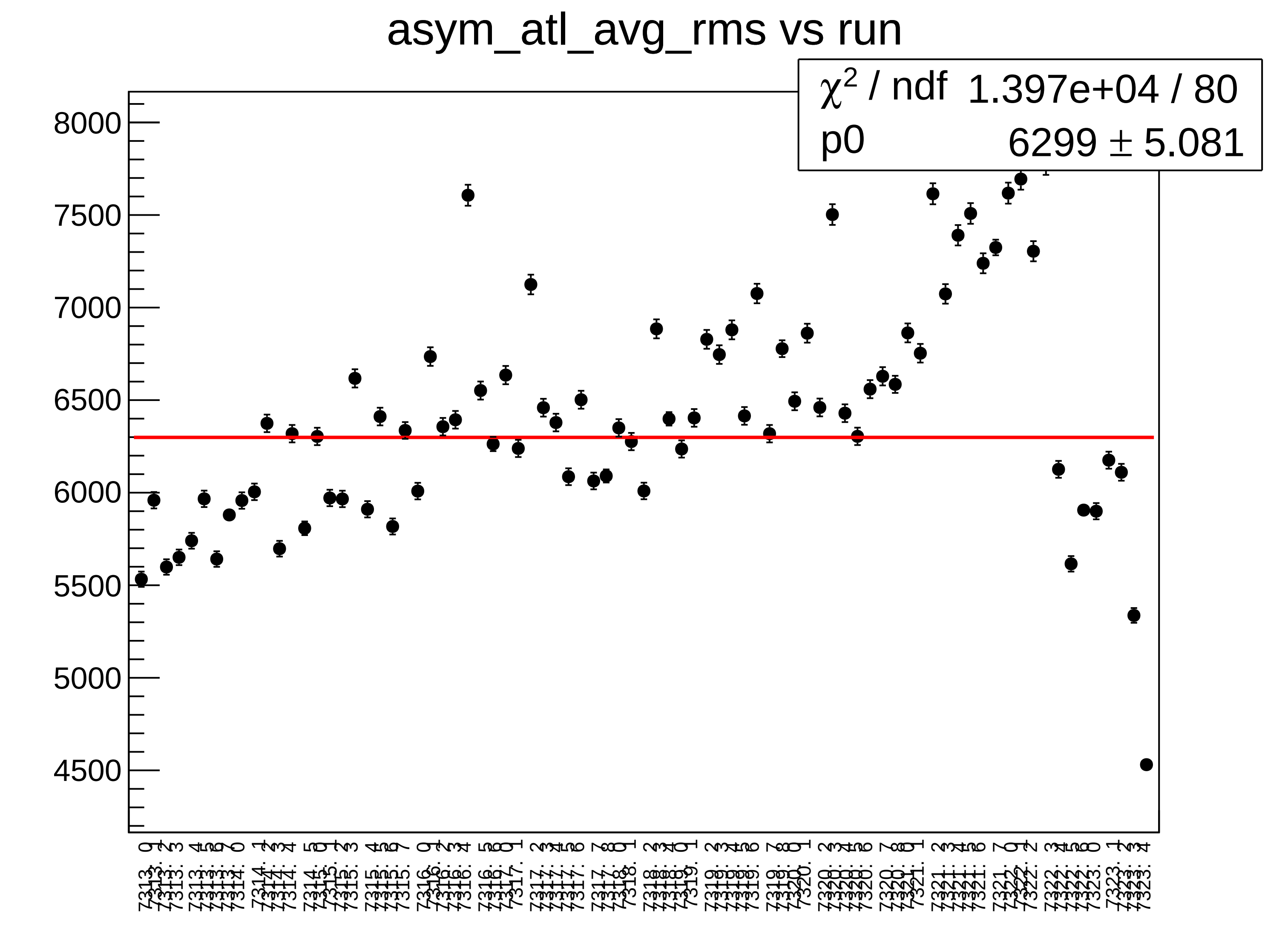
asym_atl_avg_correction_mean vs run
χ^2 / ndf 77.51 / 80
p0 9904 ± 6950
×10^3
pull
Entries 81
Mean −1311
Std Dev 1355
pull1D
Entries 81
Mean −0.004302
Std Dev 0.9782



asym_atl_avg_correction_rms vs run
χ^2 / ndf 1.867e+04 / 80
p0 6083 ± 4.914
8000
7500
7000
6500
6000
5500
5000
4500
4000

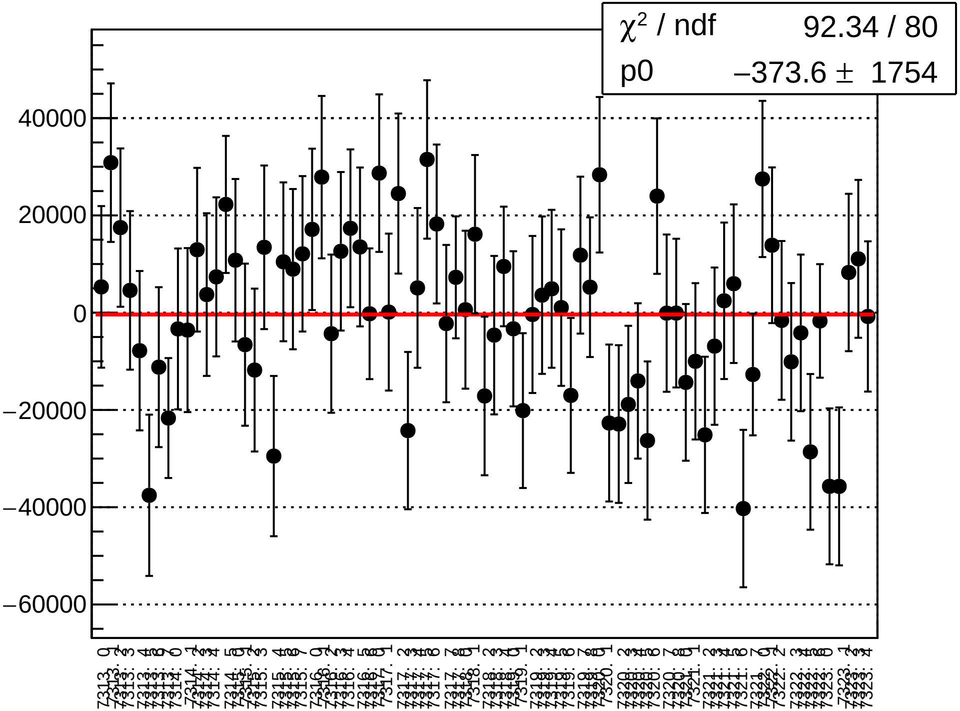


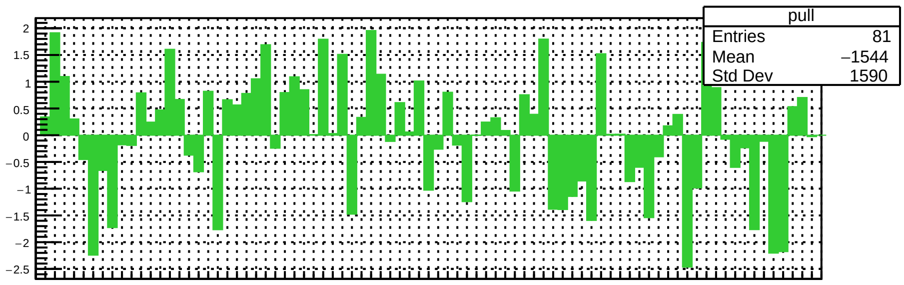
asym_atl_avg_mean vs run
χ^2 / ndf 80.93 / 80
p0 −8486 ± 7185
×10^3
pull
Entries 81
Mean −731.6
Std Dev 776.1
pull1D
Entries 81
Mean 0.007005
Std Dev 0.9995

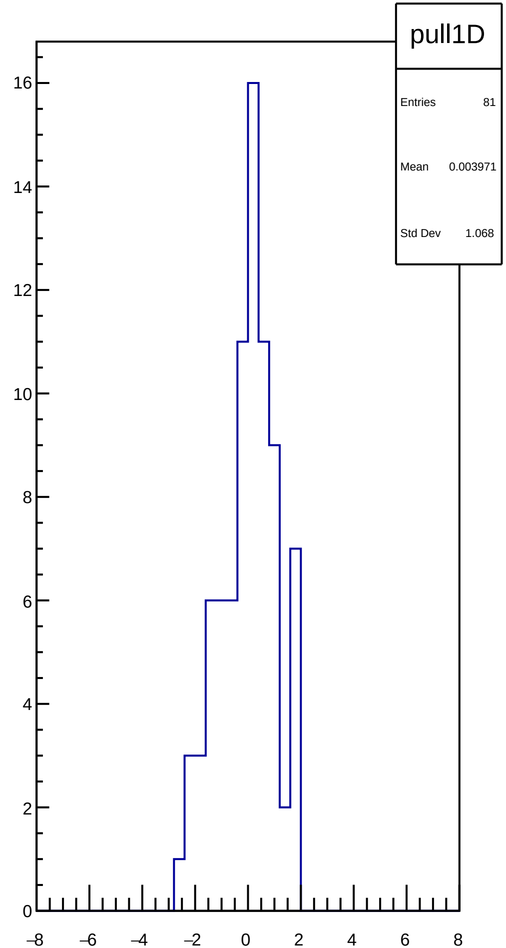


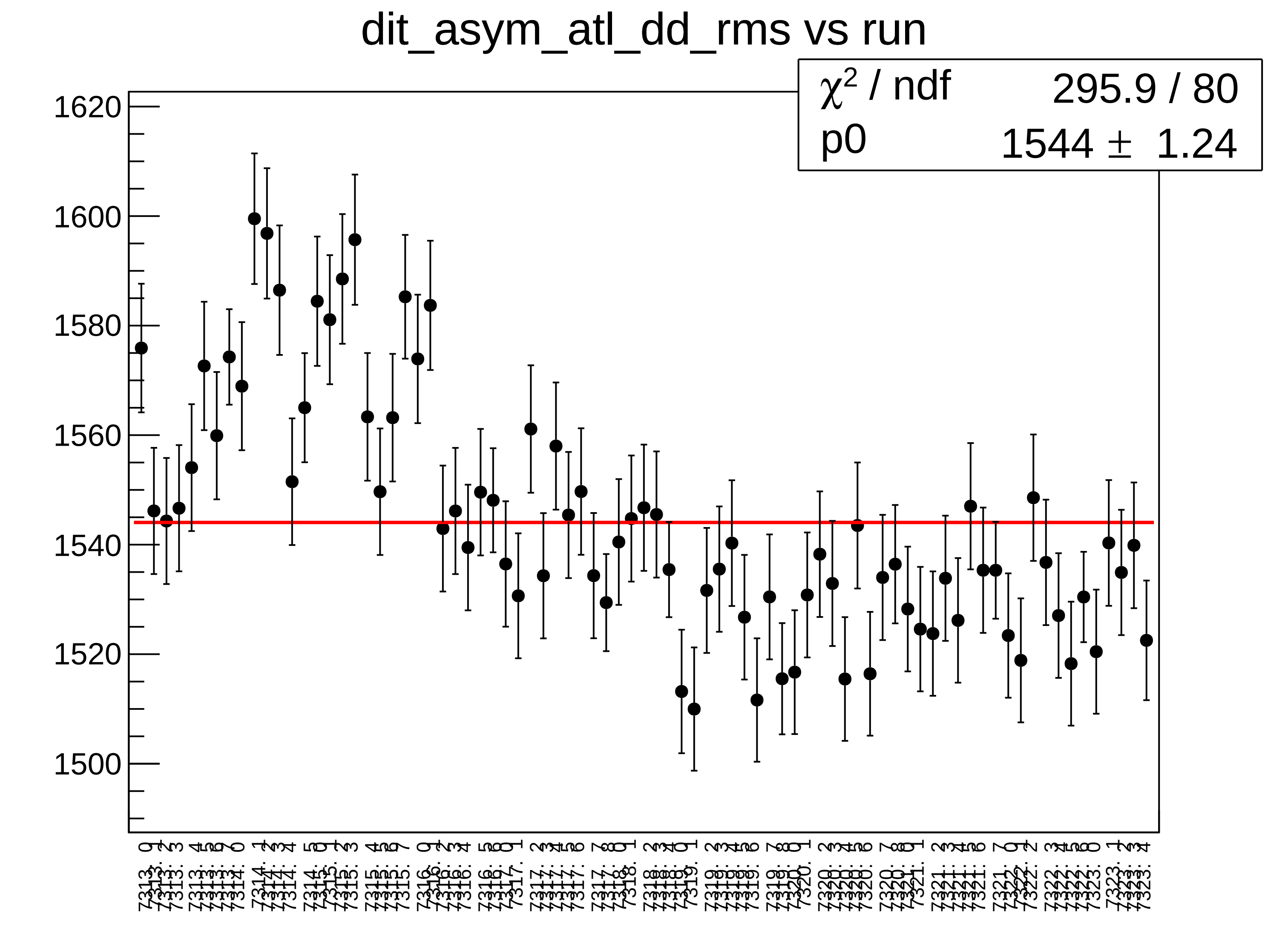
asym_atl_avg_rms vs run
χ^2 / ndf 1.397e+04 / 80
p0 6299 ± 5.081
8000
7500
7000
6500
6000
5500
5000
4500

dit_asym_atl_dd_mean vs run

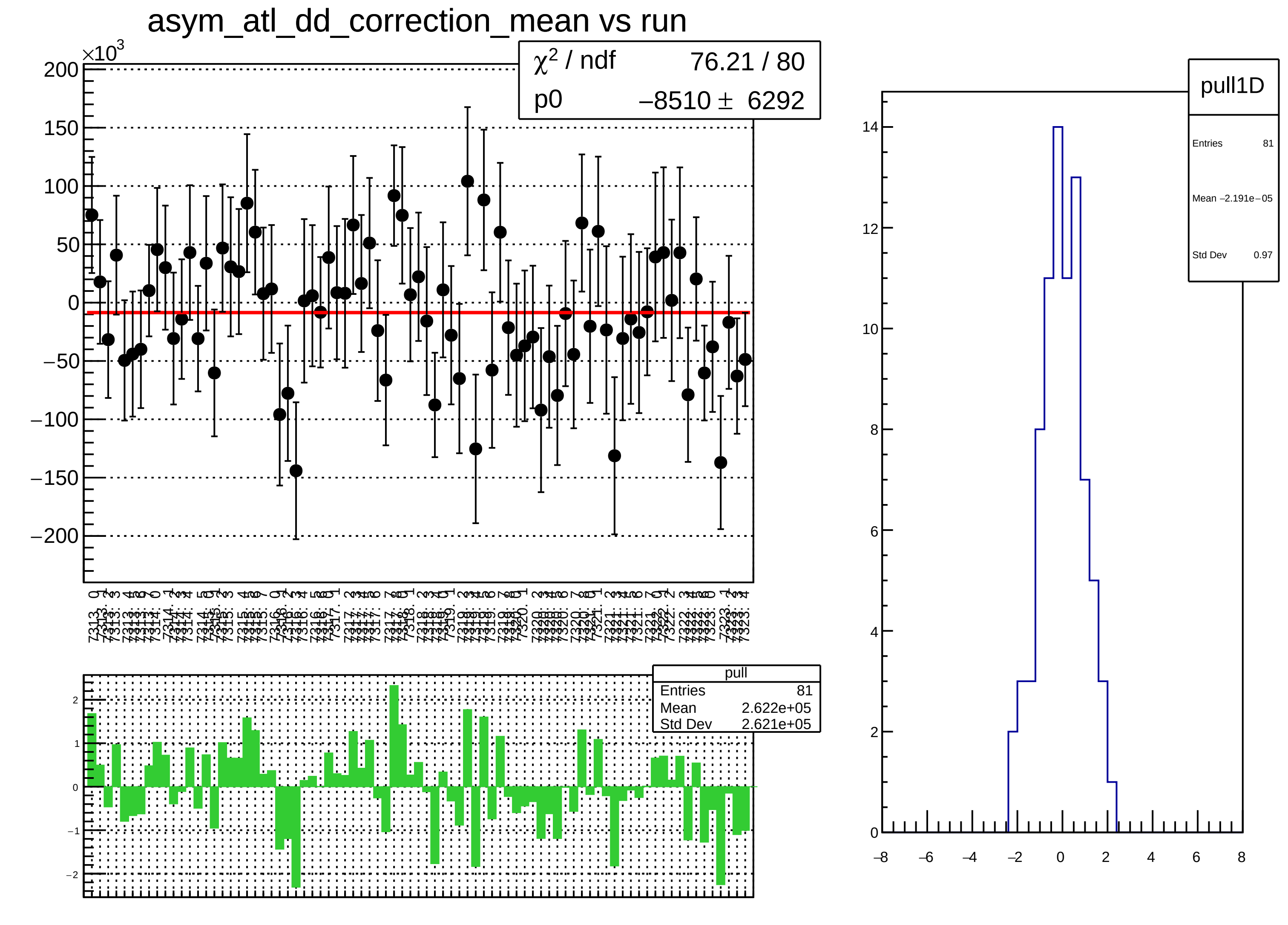


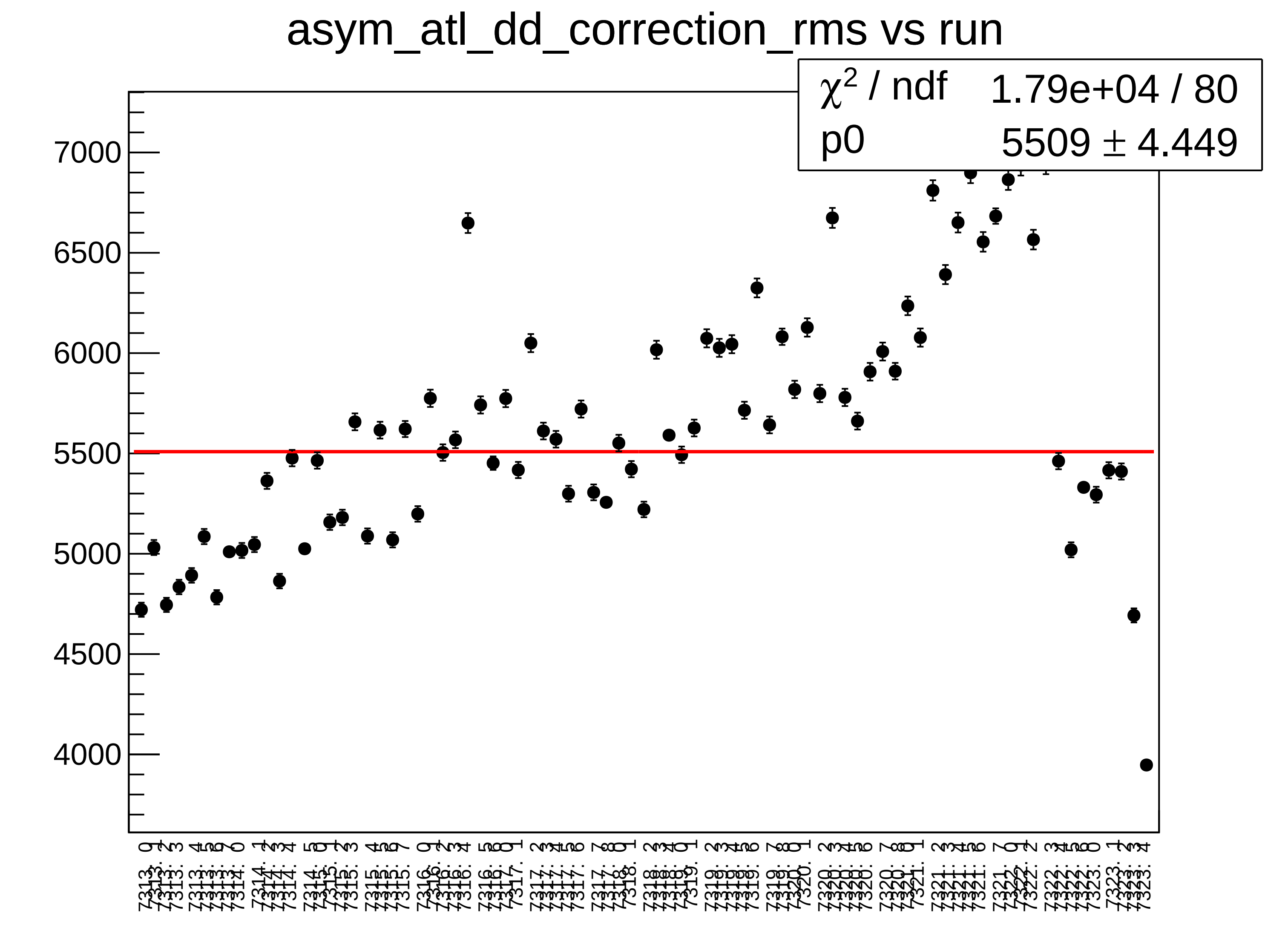


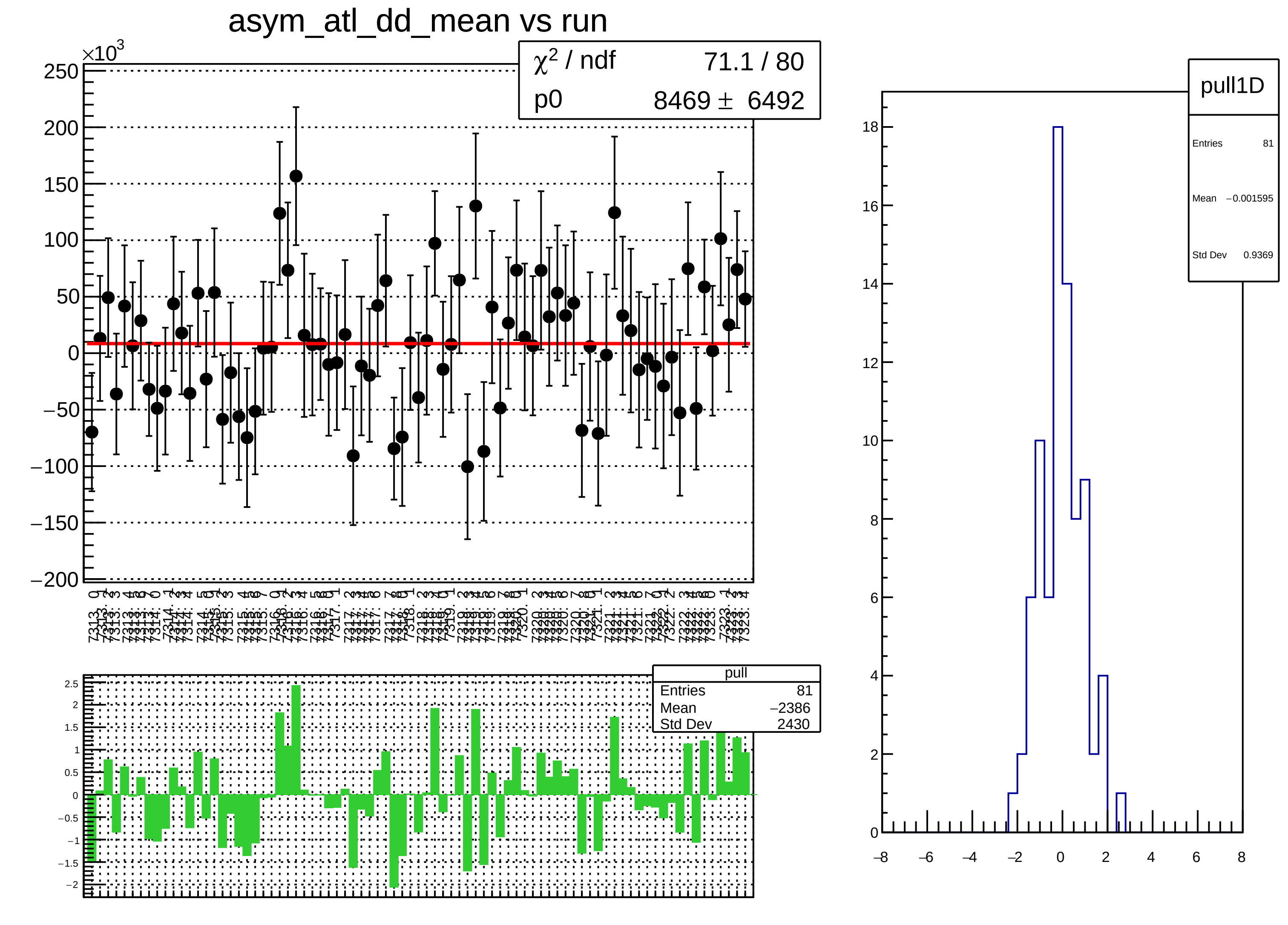




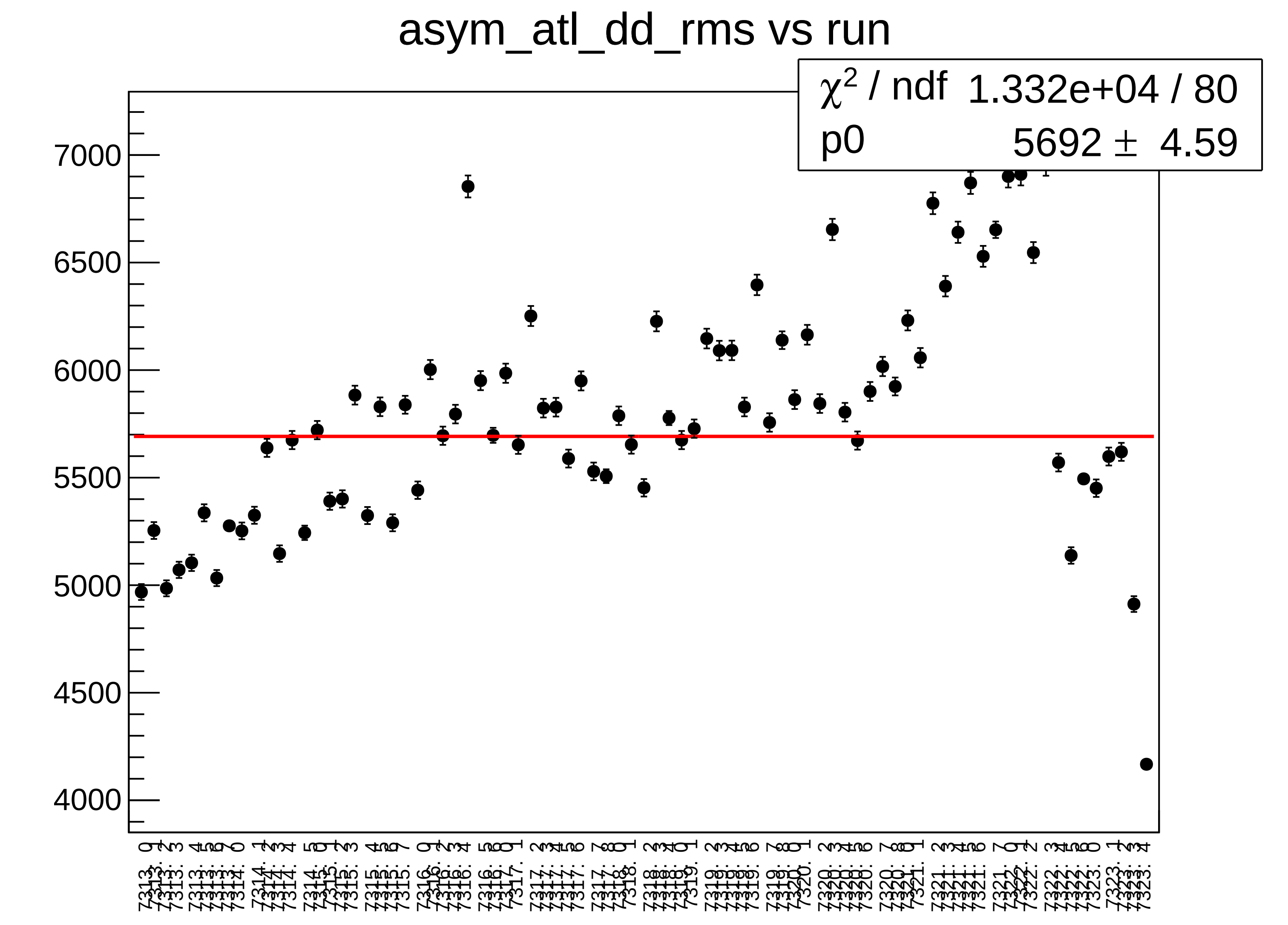
dit_asym_atl_dd_rms vs run
χ^2 / ndf 295.9 / 80
p0 1544 ± 1.24
1620
1600
1580
1560
1540
1520
1500


asym_atl_dd_correction_mean vs run
χ^2 / ndf 76.21 / 80
p0 −8510 ± 6292
pull
Entries 81
Mean 2.622e+05
Std Dev 2.621e+05
pull1D
Entries 81
Mean −2.191e−05
Std Dev 0.97

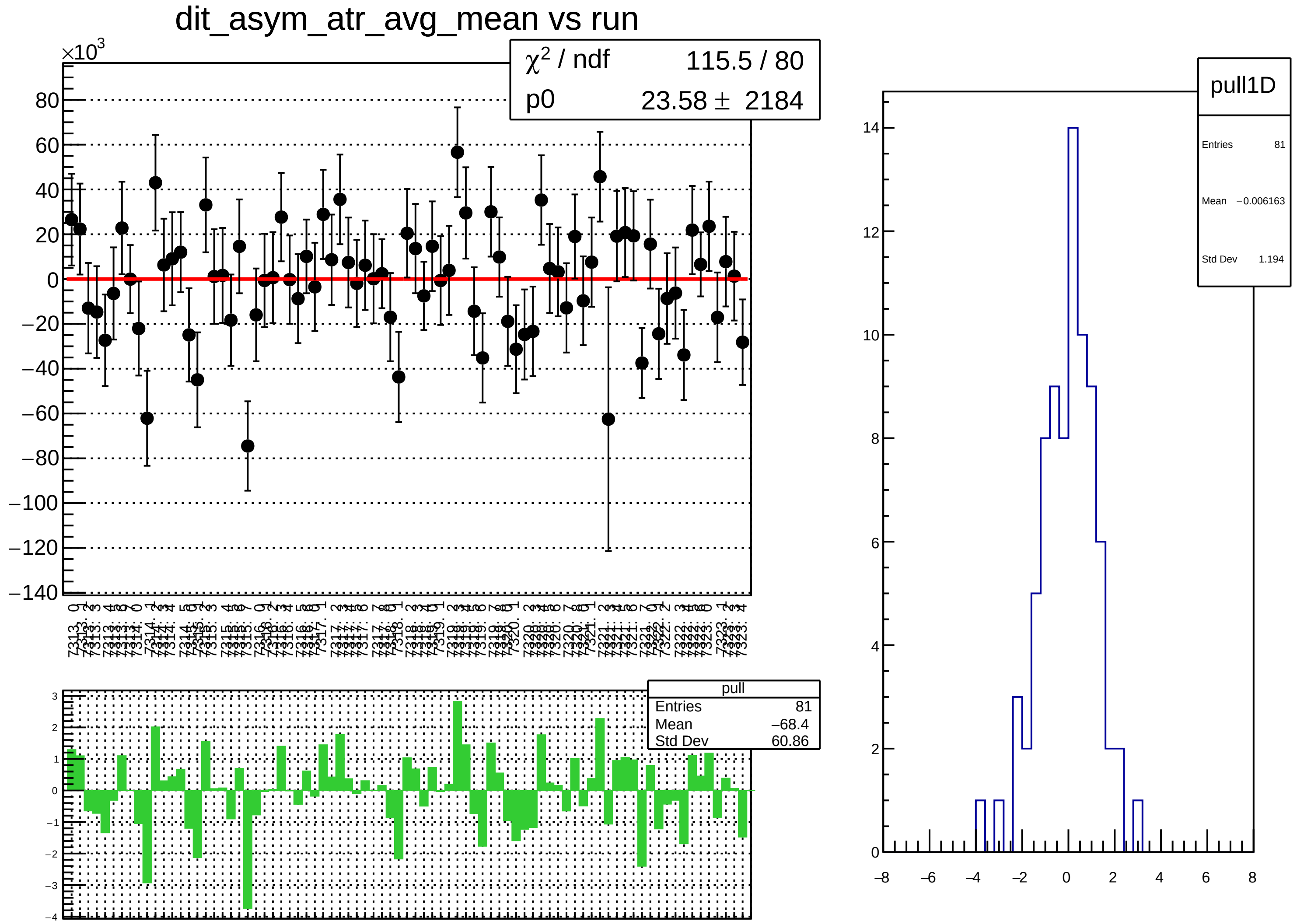

asym_atl_dd_correction_rms vs run
χ2 / ndf 1.79e+04 / 80
p0 5509 ± 4.449
7000
6500
6000
5500
5000
4500
4000



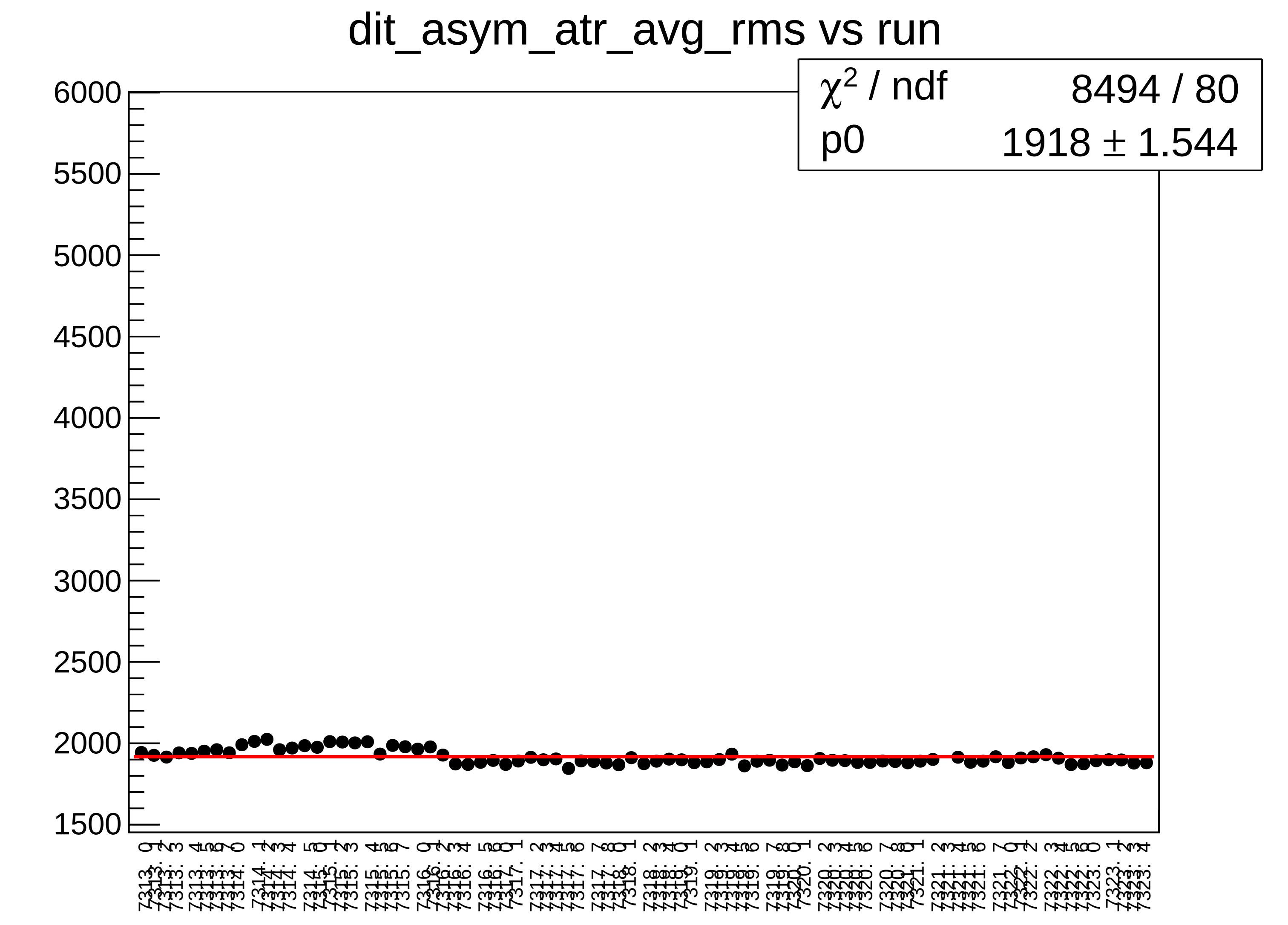
asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 71.1 / 80
p0 8469 ± 6492
250
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −2386
Std Dev 2430
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.001595
Std Dev 0.9369
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



asym_atl_dd_rms vs run
χ² / ndf 1.332e+04 / 80
p0 5692 ± 4.59
7000
6500
6000
5500
5000
4500
4000

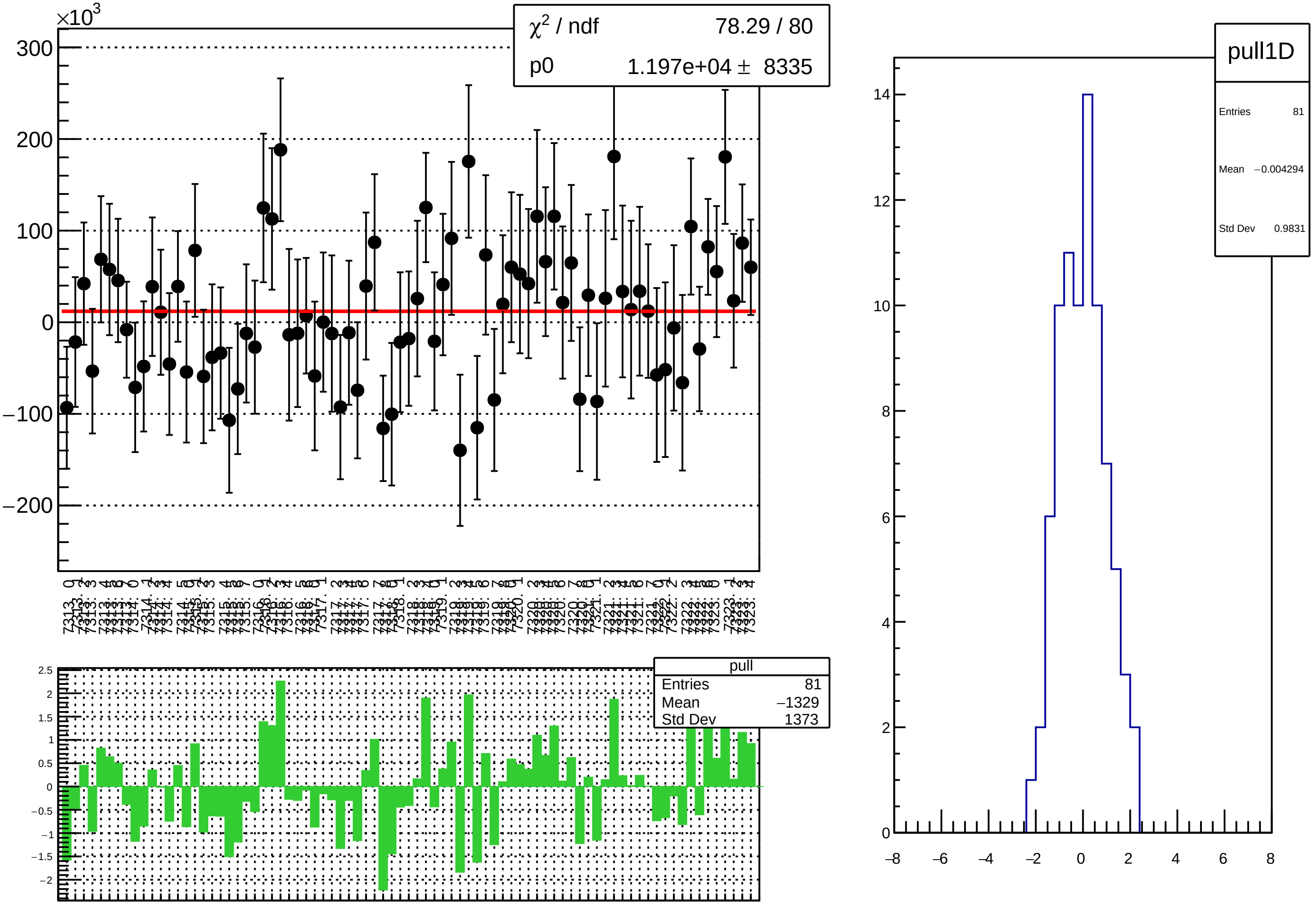


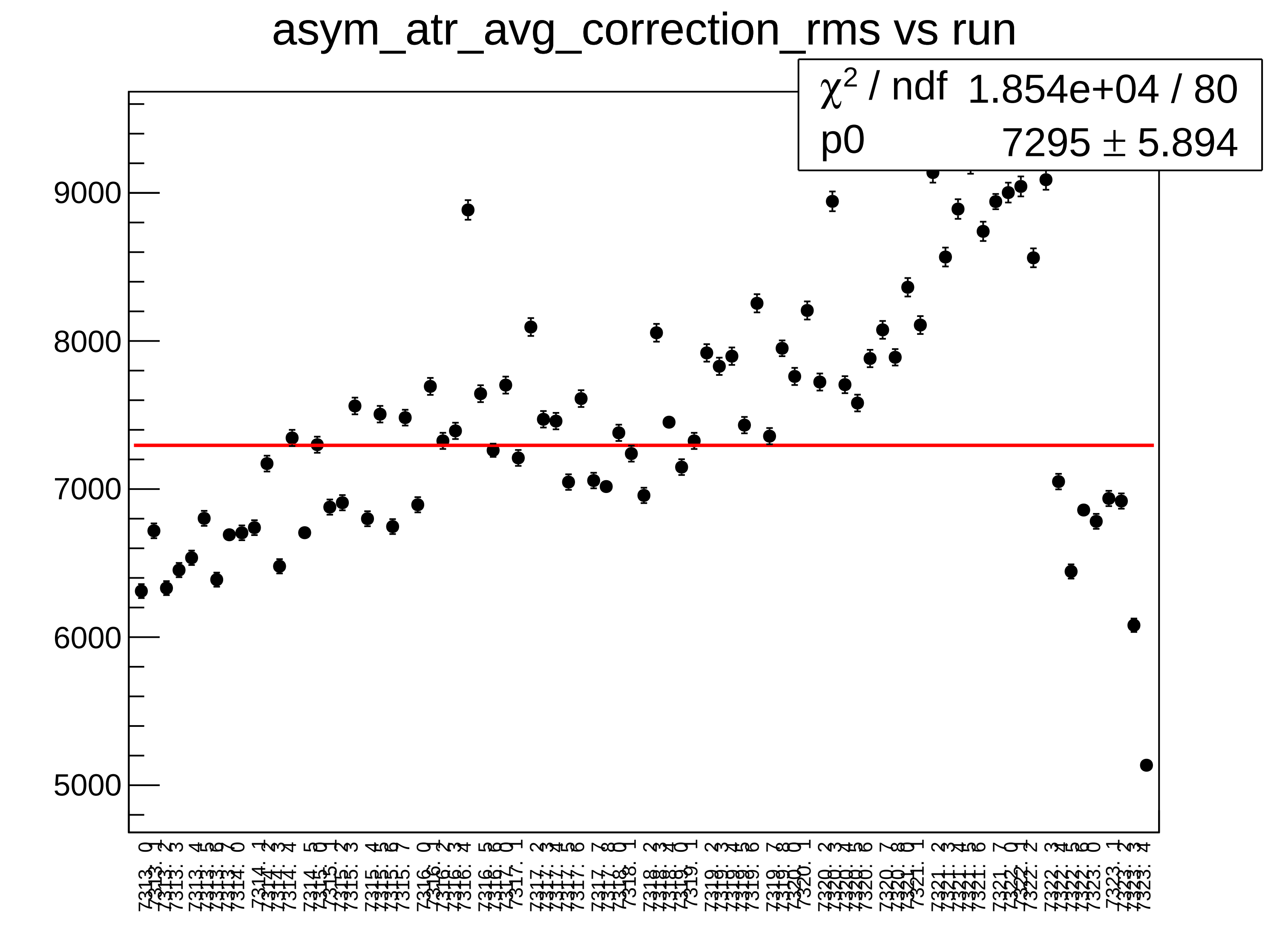
dit_asym_atr_avg_mean vs run
$\times10^{3}$
χ^2 / ndf 115.5 / 80
p0 23.58 ± 2184
pull
Entries 81
Mean −68.4
Std Dev 60.86
pull1D
Entries 81
Mean −0.006163
Std Dev 1.194

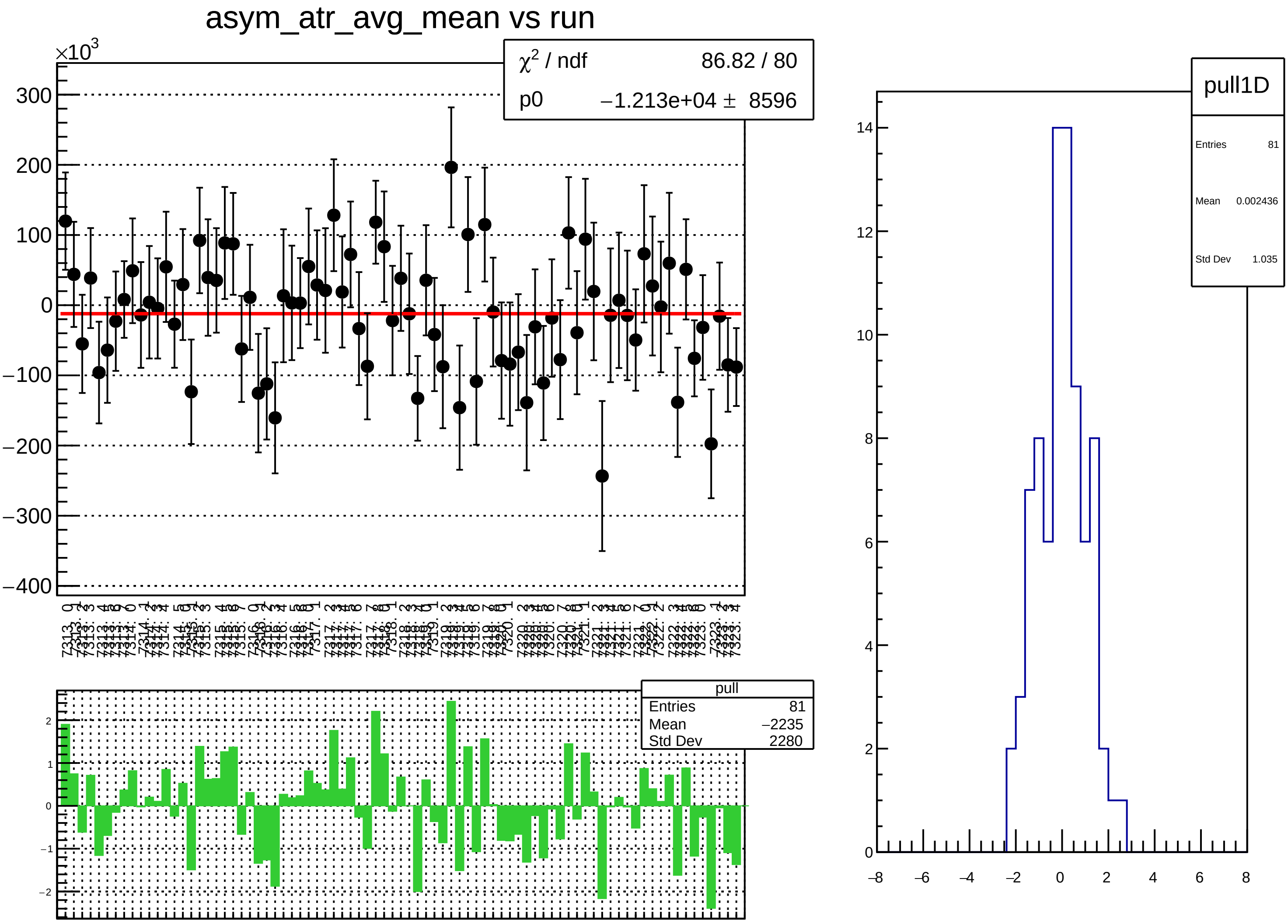


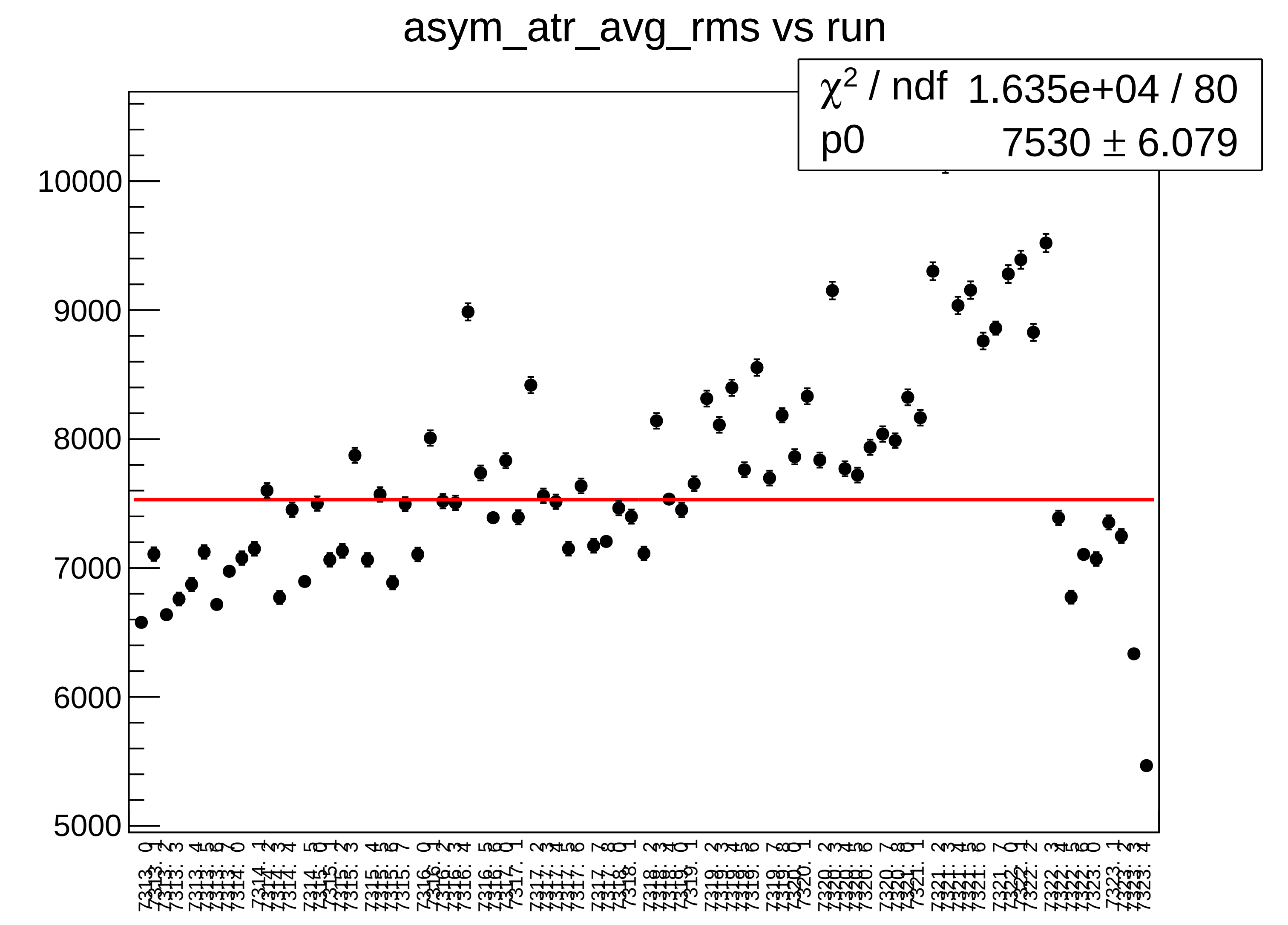
dit_asym_atr_avg_rms vs run
χ^2 / ndf 8494 / 80
p0 1918 ± 1.544
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

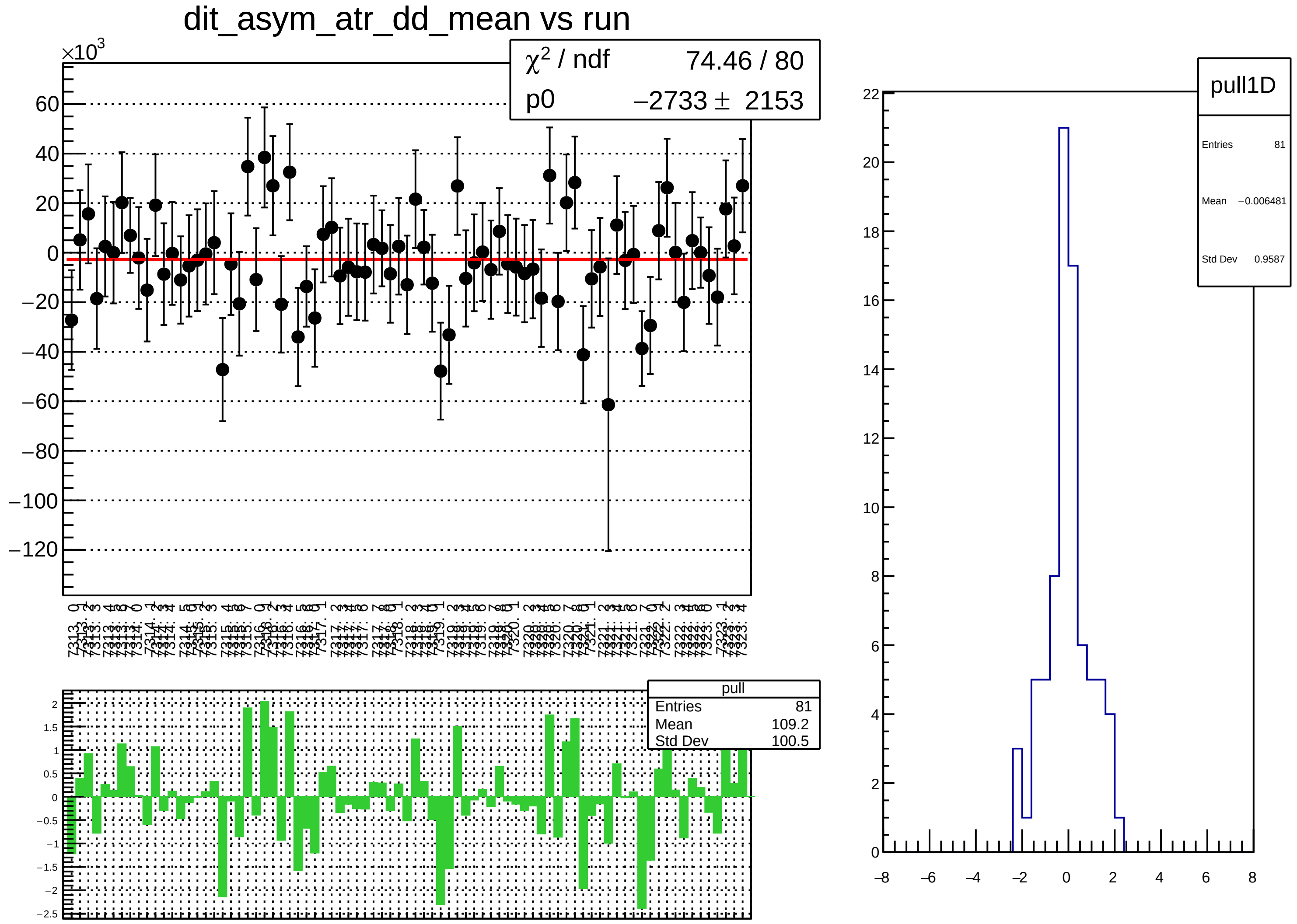
asym_atr_avg_correction_mean vs run



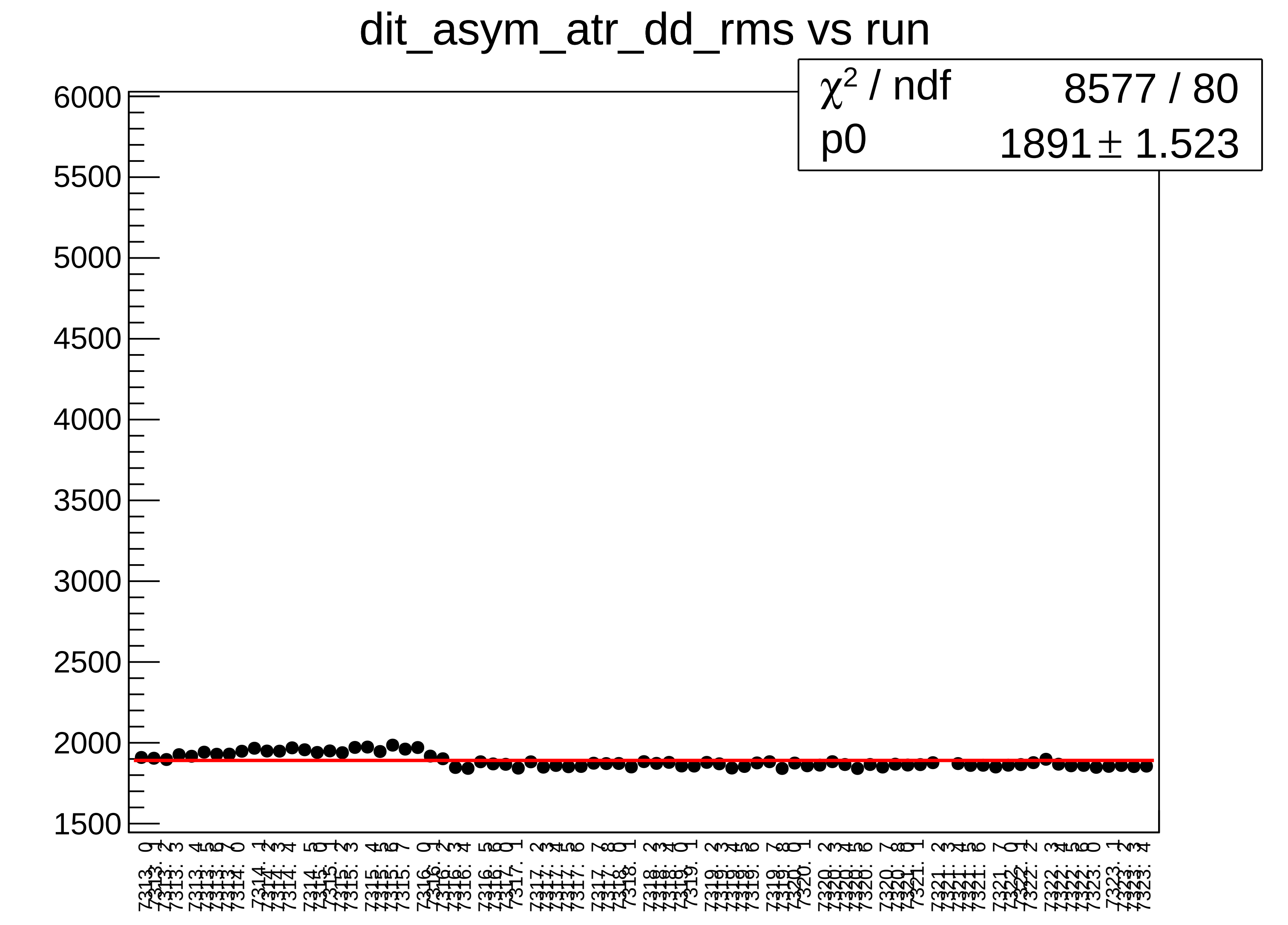

asym_atr_avg_correction_rms vs run
χ2 / ndf 1.854e+04 / 80
p0 7295 ± 5.894
9000
8000
7000
6000
5000


asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 86.82 / 80
p0 −1.213e+04 ± 8596
300
200
100
0
−100
−200
−300
−400
pull
Entries 81
Mean −2235
Std Dev 2280
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.002436
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

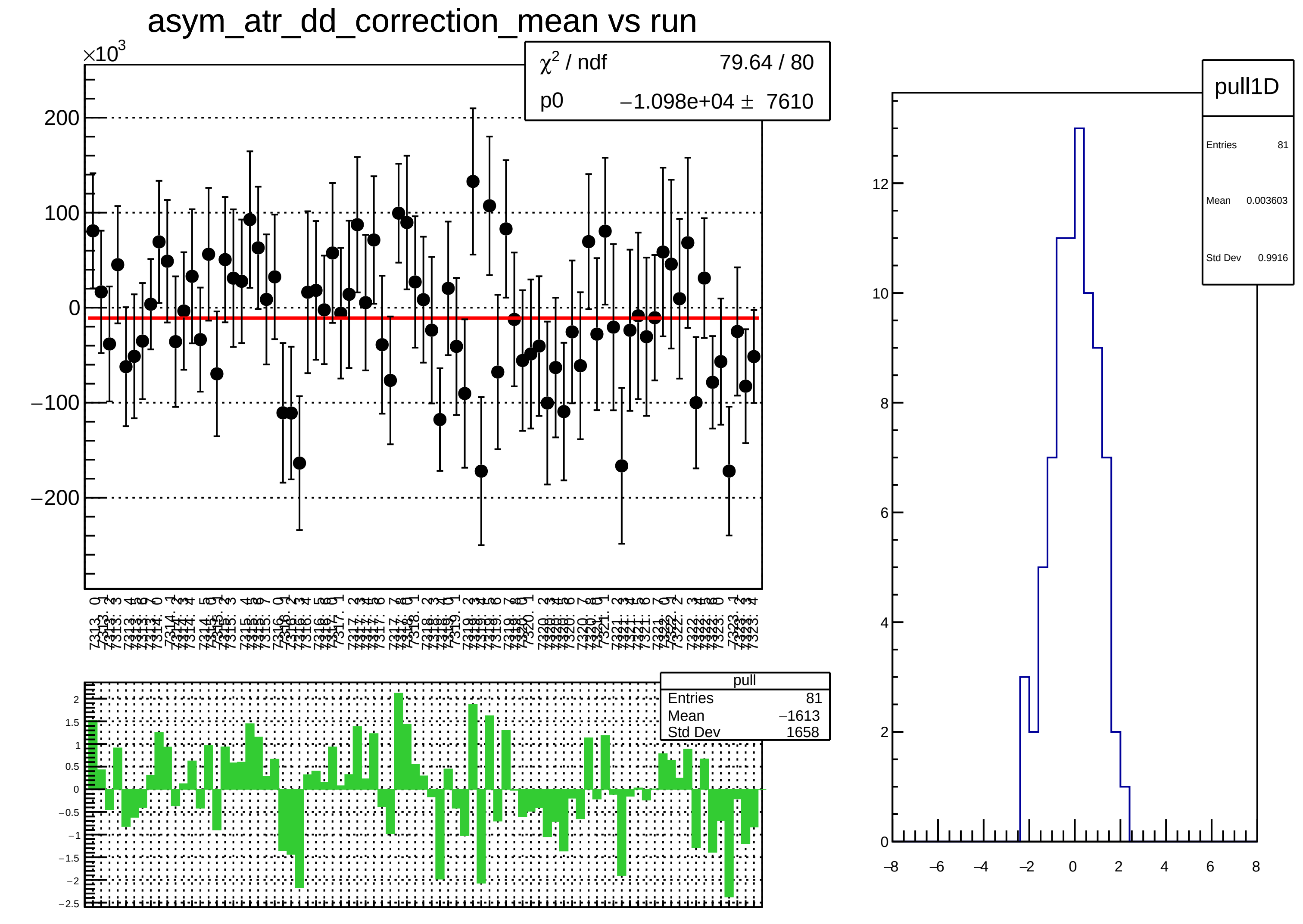

asym_atr_avg_rms vs run
χ^2 / ndf 1.635e+04 / 80
p0 7530 ± 6.079
10000
9000
8000
7000
6000
5000



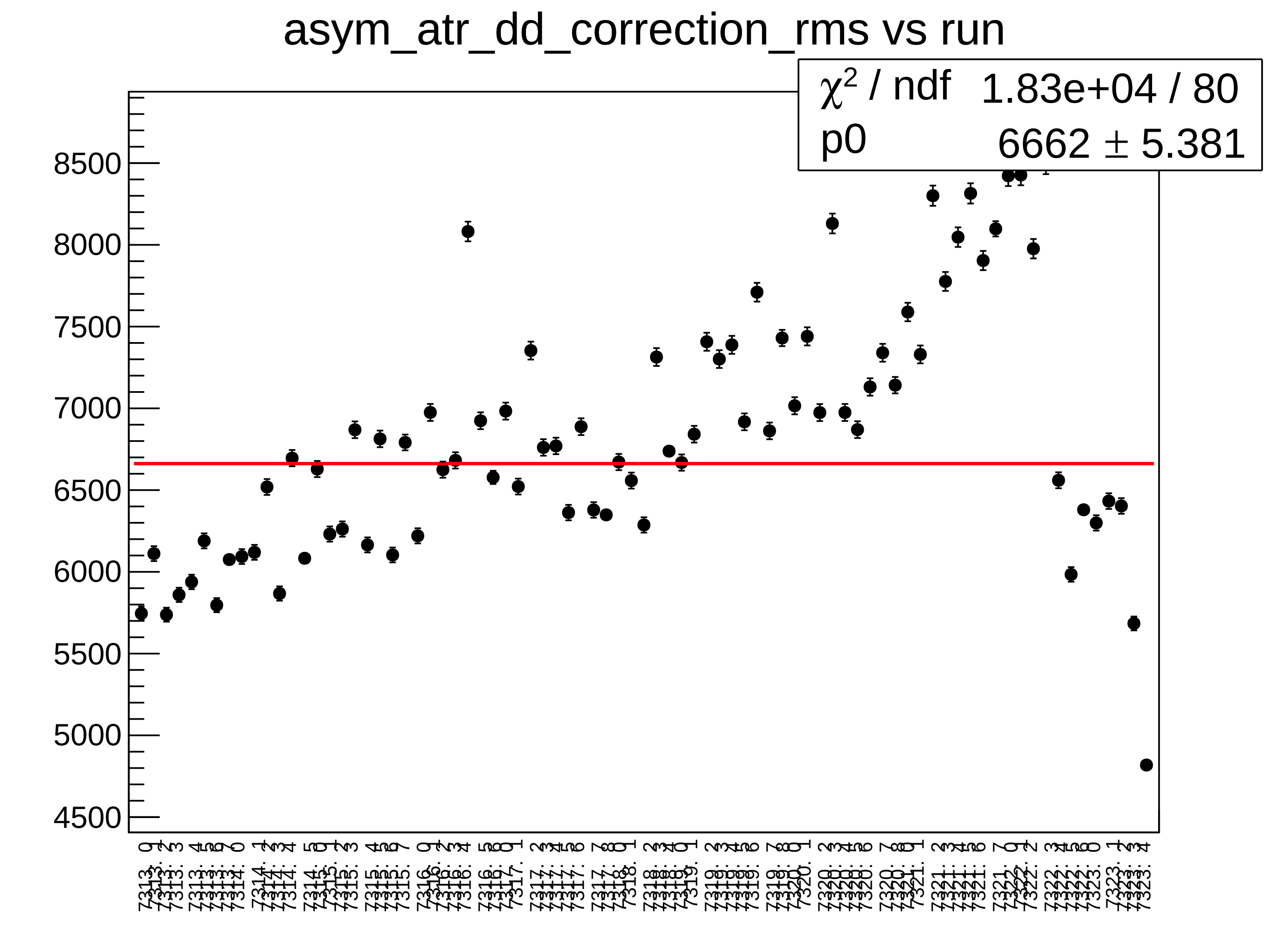
dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 74.46 / 80
p0 −2733 ± 2153
pull
Entries 81
Mean 109.2
Std Dev 100.5
pull1D
Entries 81
Mean −0.006481
Std Dev 0.9587



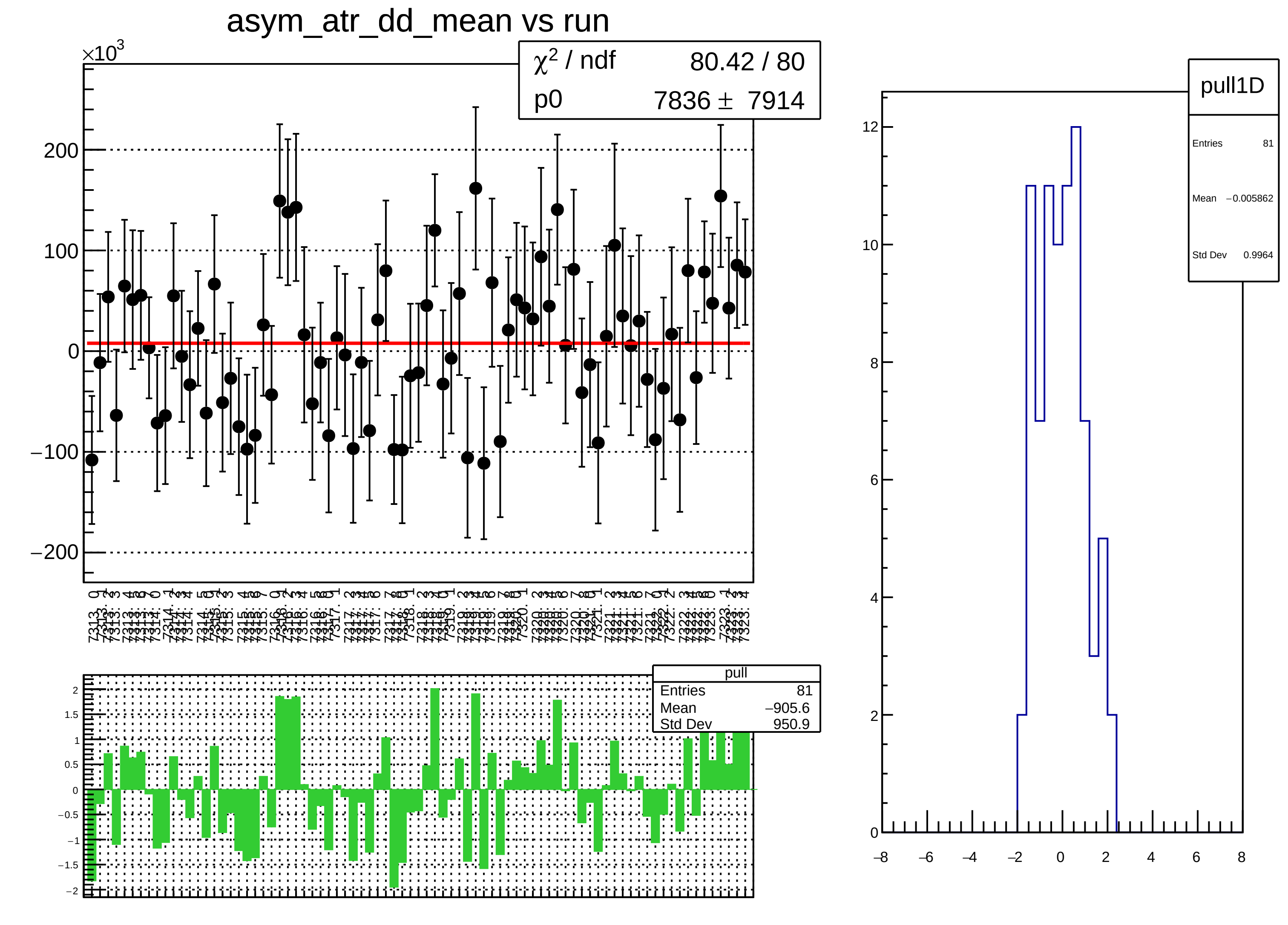
dit_asym_atr_dd_rms vs run
χ2 / ndf 8577 / 80
p0 1891 ± 1.523
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 79.64 / 80
p0 −1.098e+04 ± 7610
200
100
0
−100
−200
pull
Entries 81
Mean −1613
Std Dev 1658
pull1D
Entries 81
Mean 0.003603
Std Dev 0.9916

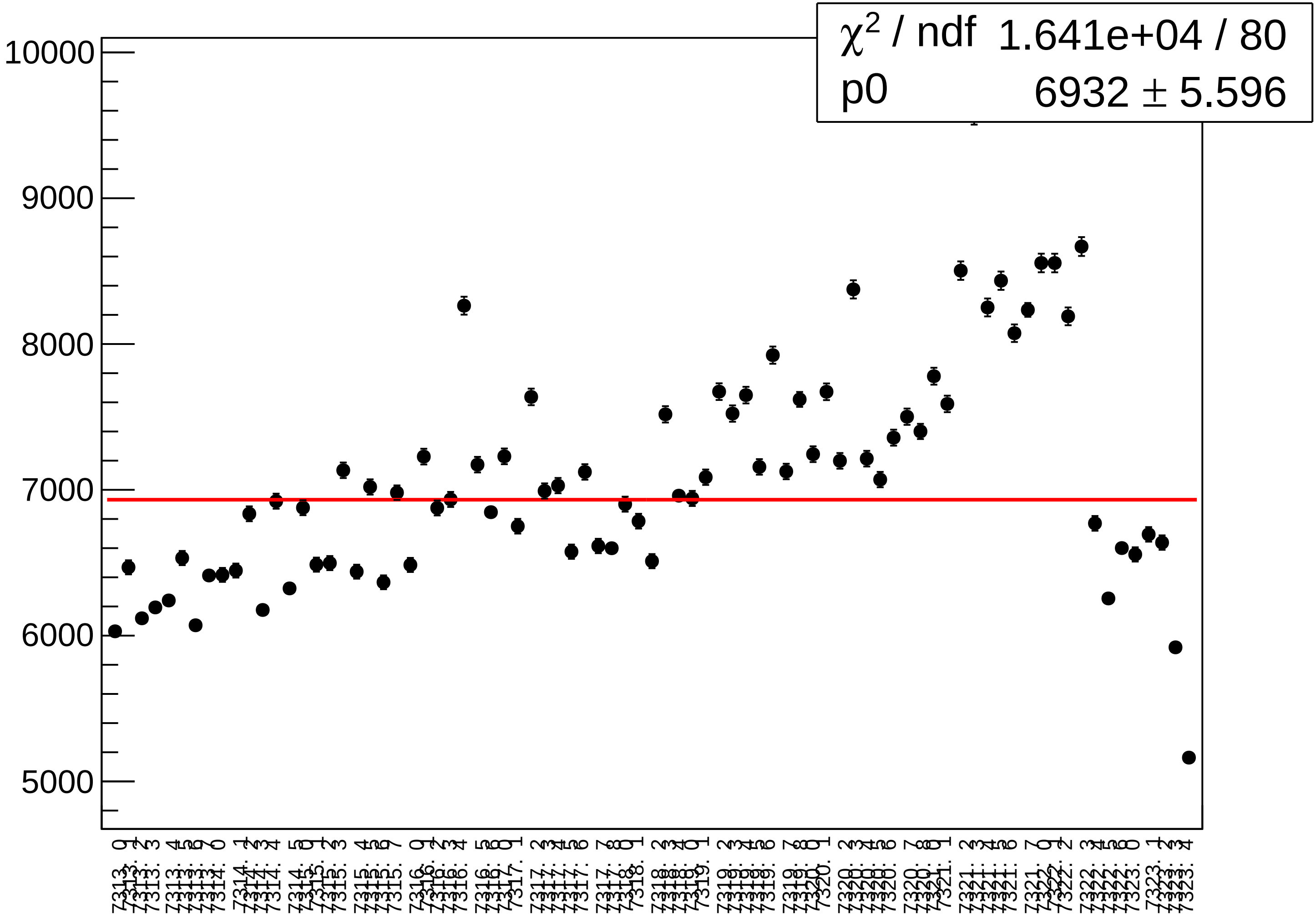


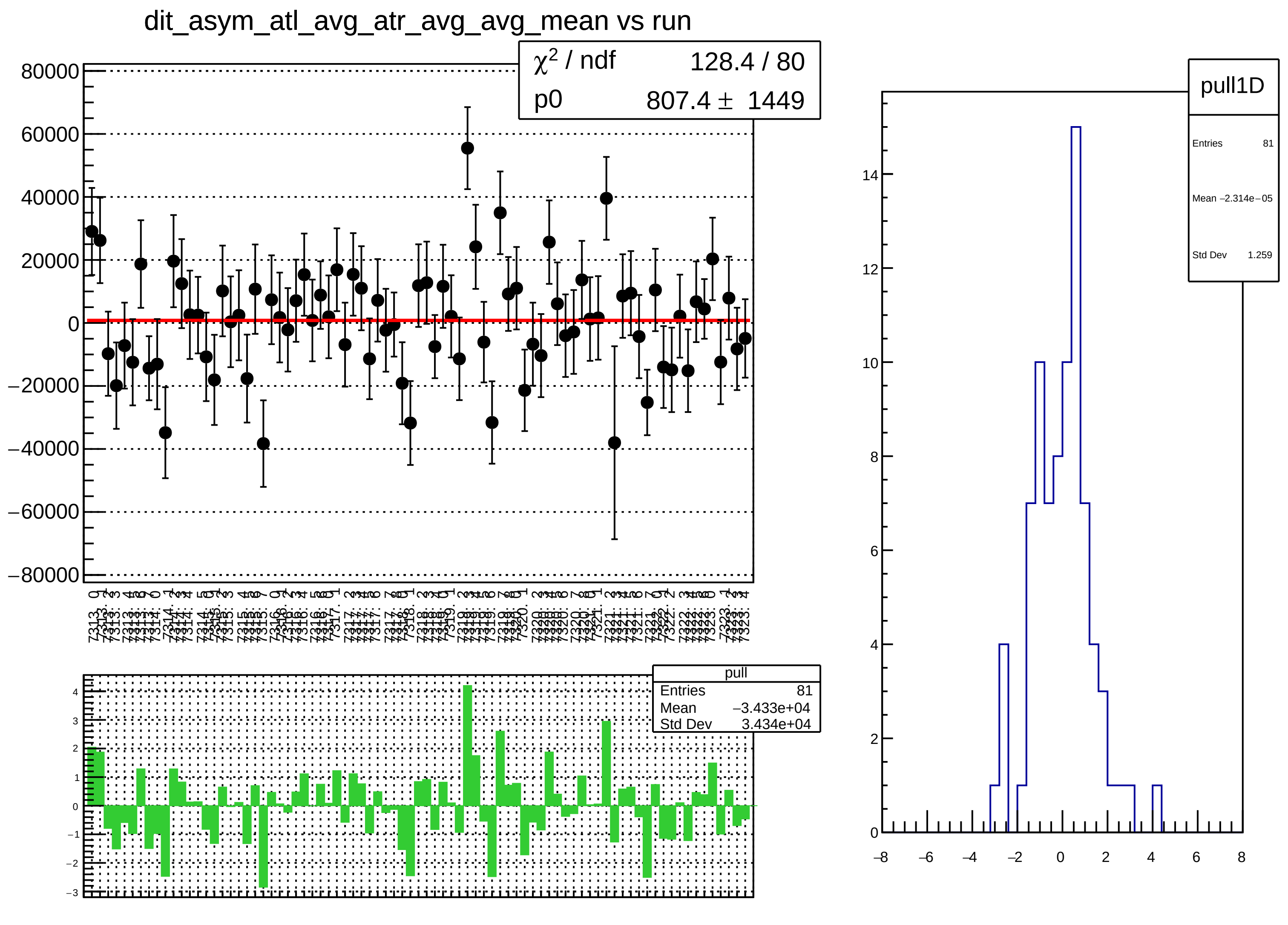
asym_atr_dd_correction_rms vs run
χ^2 / ndf 1.83e+04 / 80
p0 6662 ± 5.381
8500
8000
7500
7000
6500
6000
5500
5000
4500



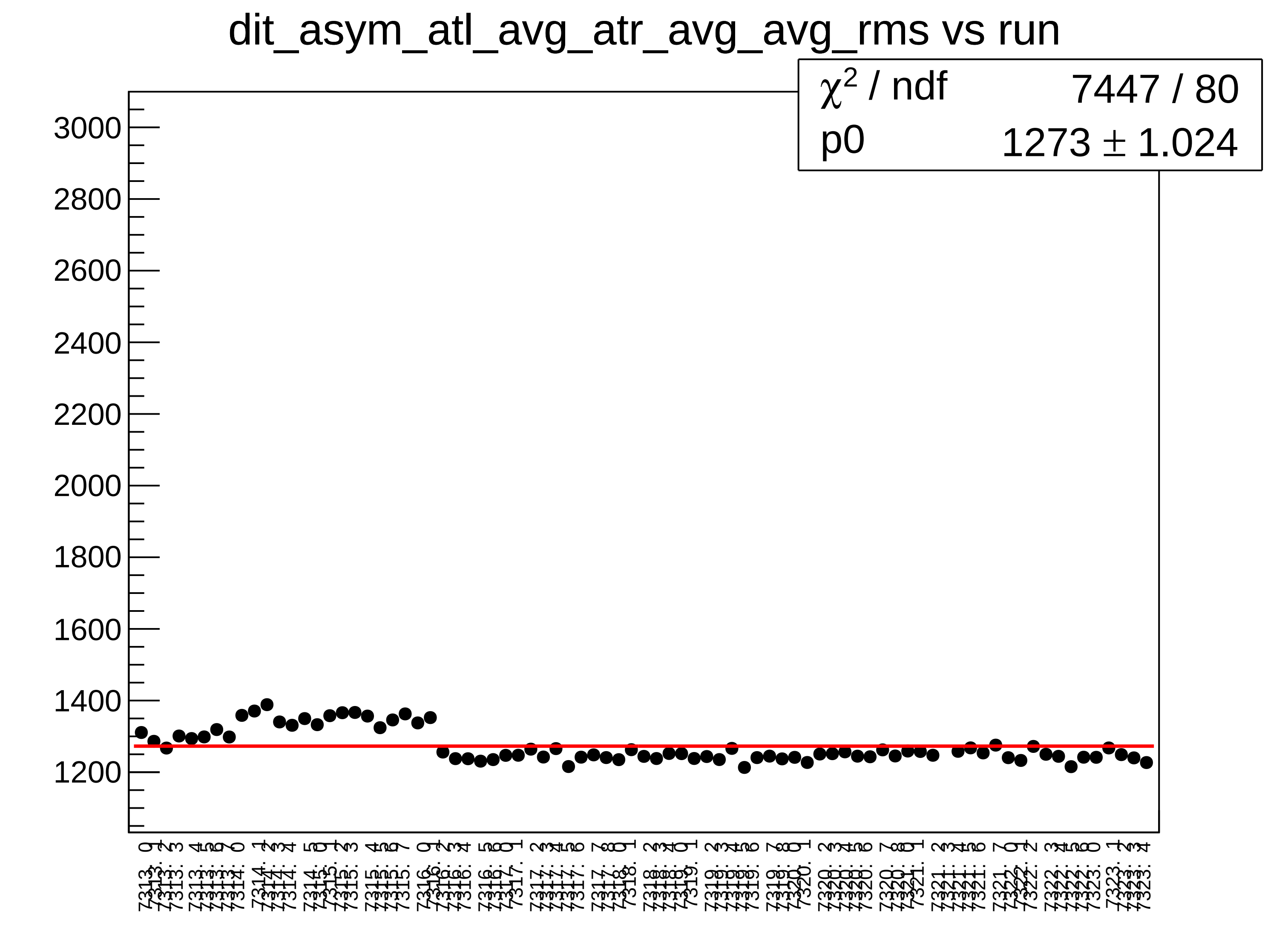
asym_atr_dd_mean vs run
×10^3
χ2 / ndf 80.42 / 80
p0 7836 ± 7914
pull
Entries 81
Mean −905.6
Std Dev 950.9
pull1D
Entries 81
Mean −0.005862
Std Dev 0.9964

asym_atr_dd_rms vs run

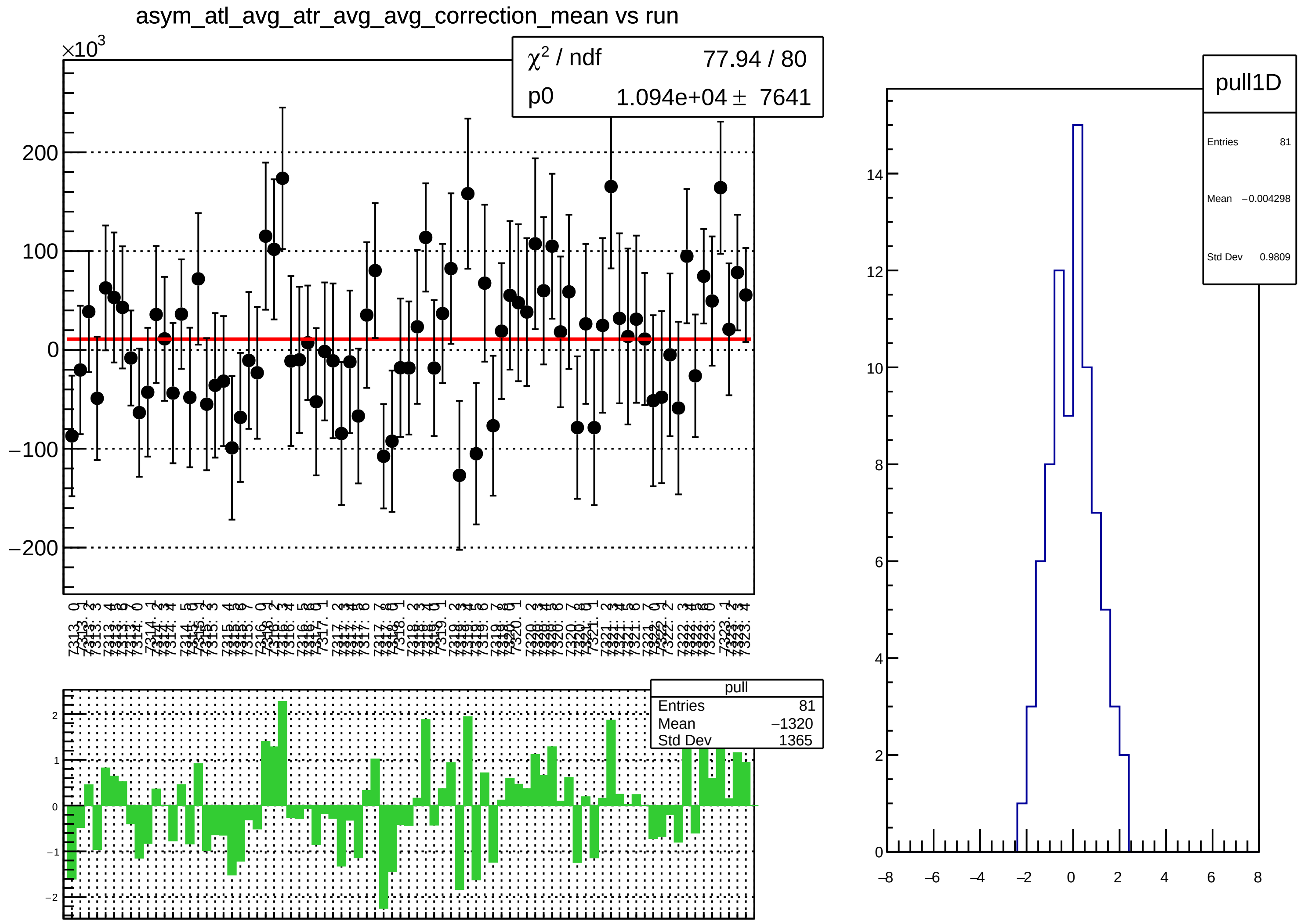


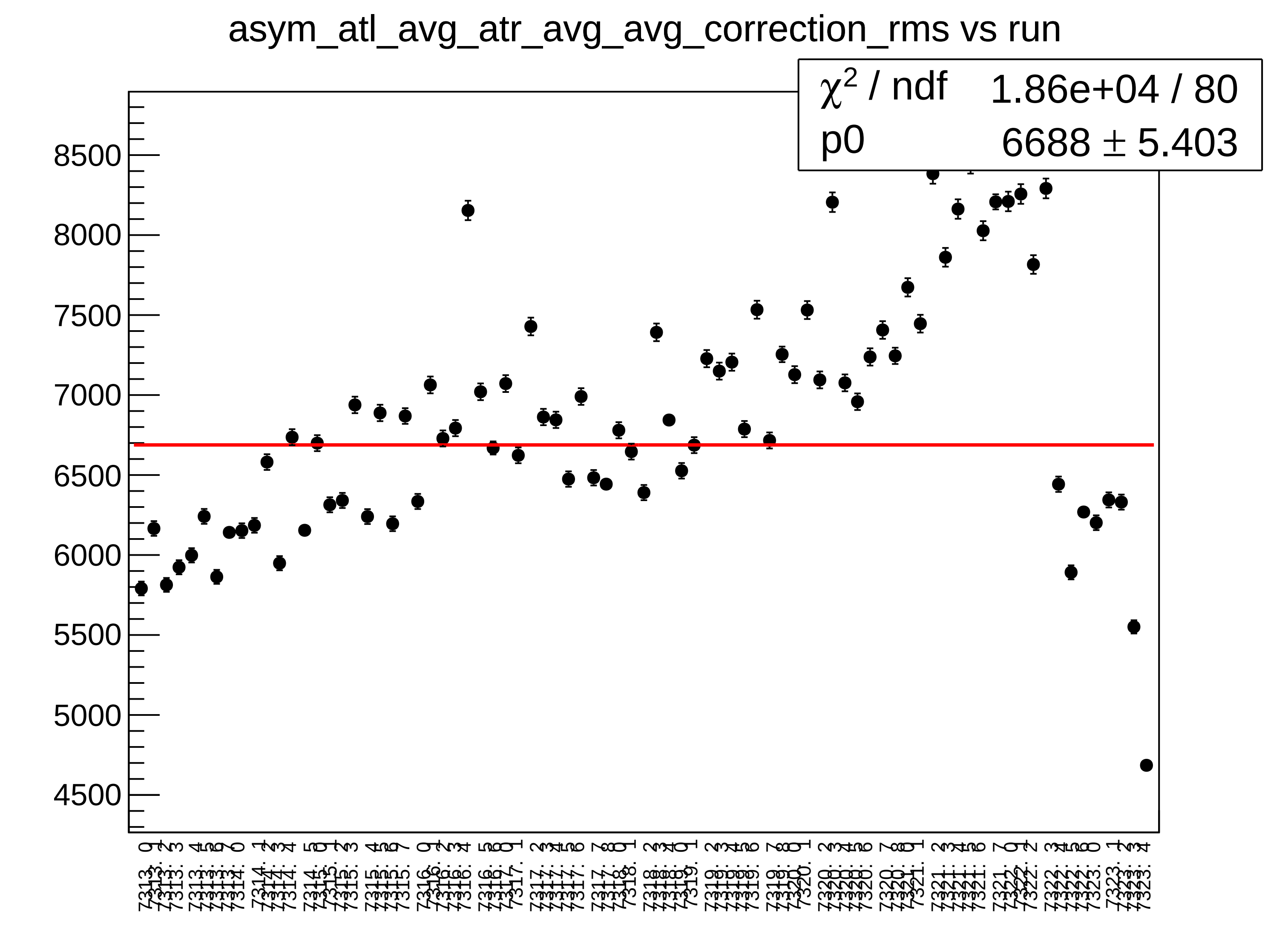


dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 128.4 / 80
p0 807.4 ± 1449
pull
Entries 81
Mean −3.433e+04
Std Dev 3.434e+04
pull1D
Entries 81
Mean −2.314e−05
Std Dev 1.259

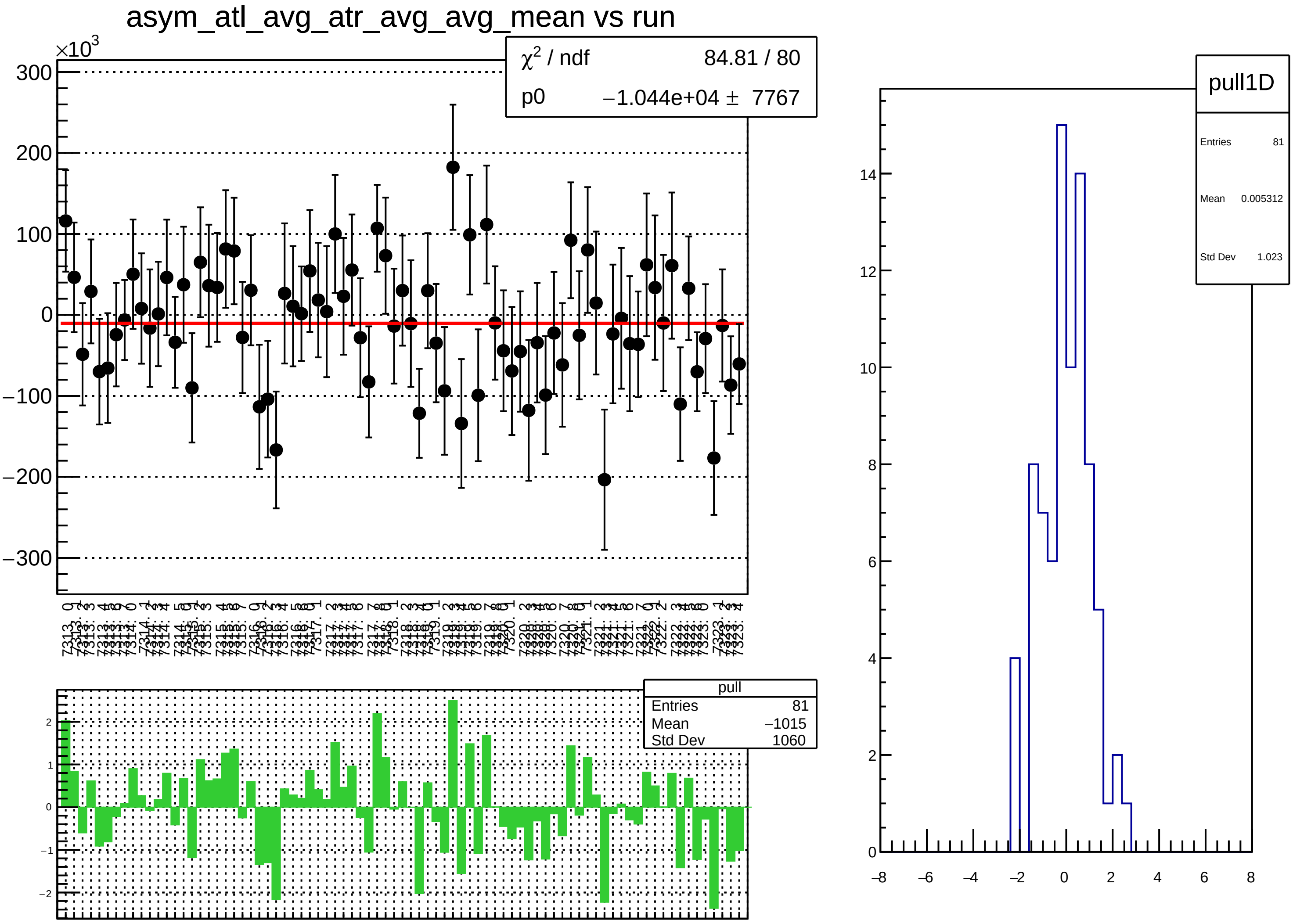


dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 7447 / 80
p0 1273 ± 1.024
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

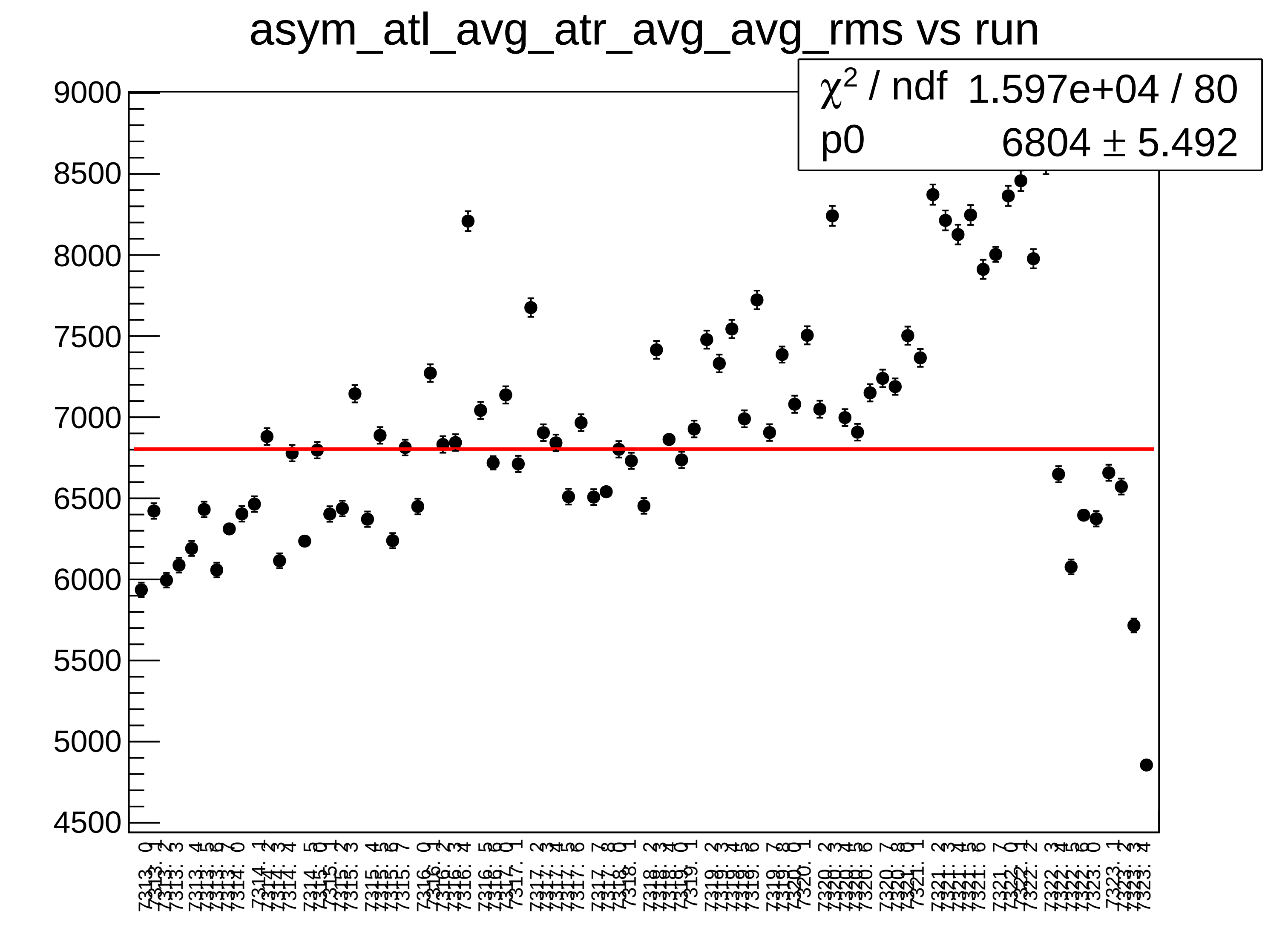

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 77.94 / 80
p0 1.094e+04 ± 7641
200
100
0
−100
−200
pull
Entries 81
Mean −1320
Std Dev 1365
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.004298
Std Dev 0.9809
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

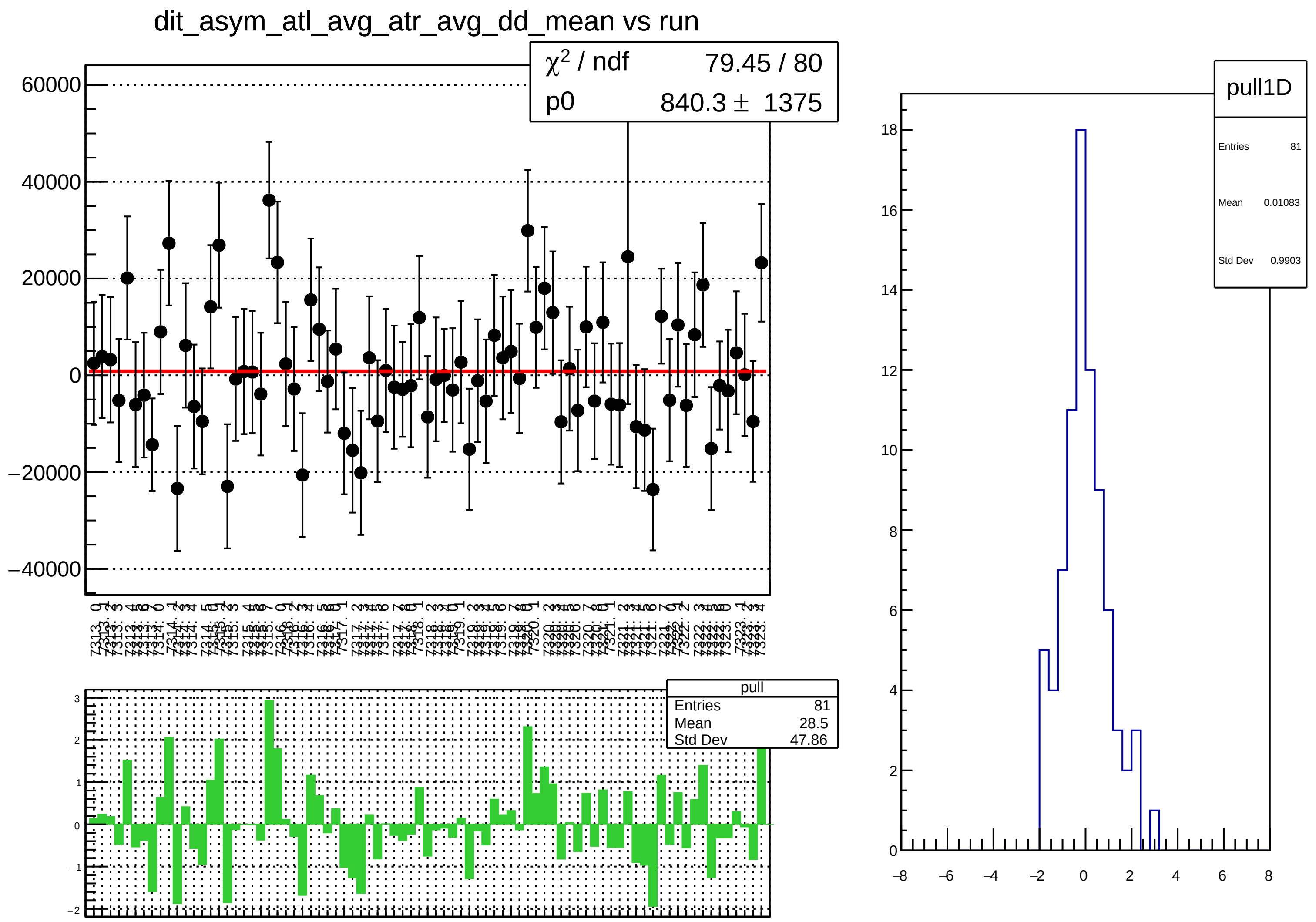


asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 1.86e+04 / 80
p0 6688 ± 5.403
8500
8000
7500
7000
6500
6000
5500
5000
4500

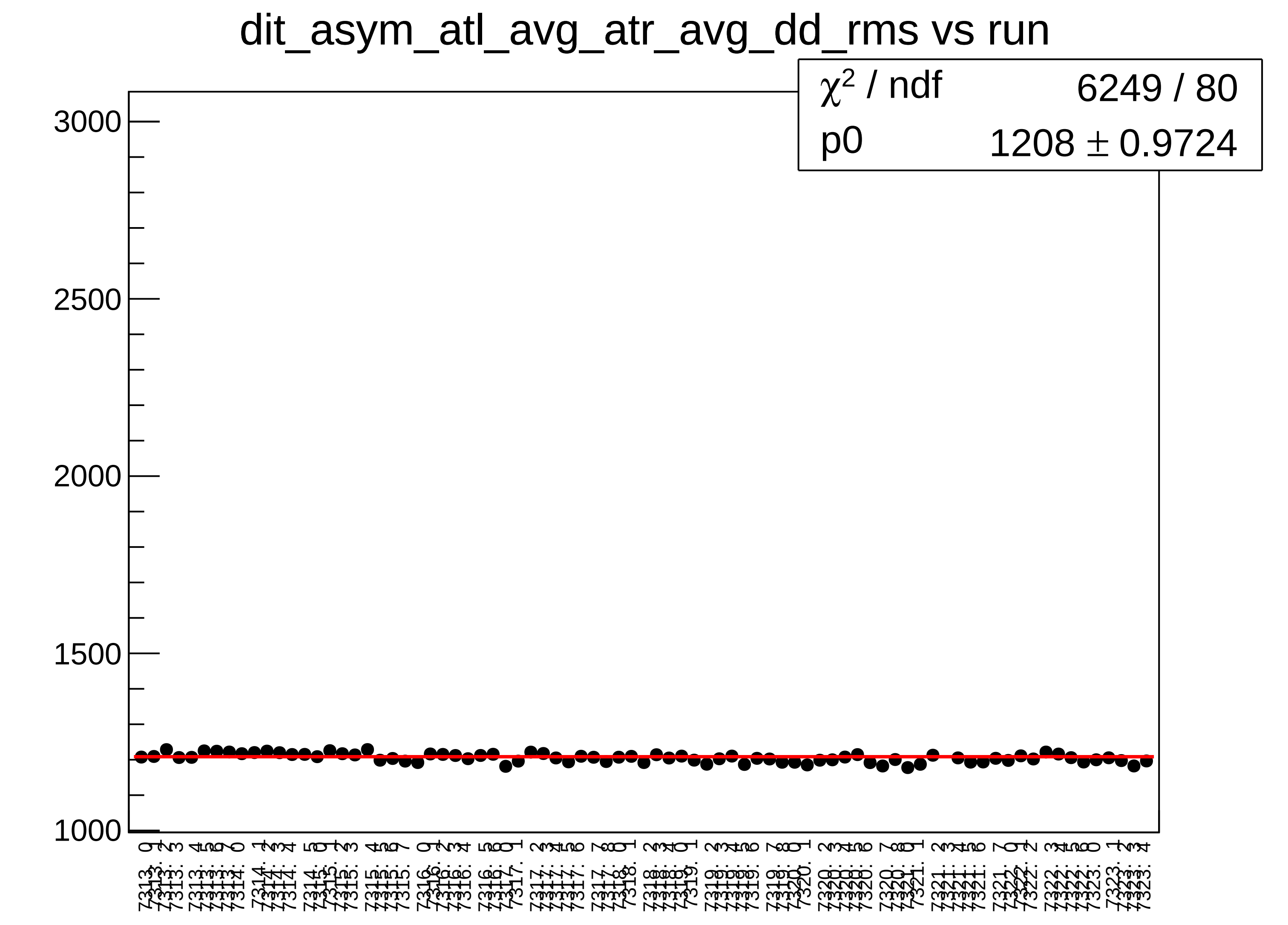


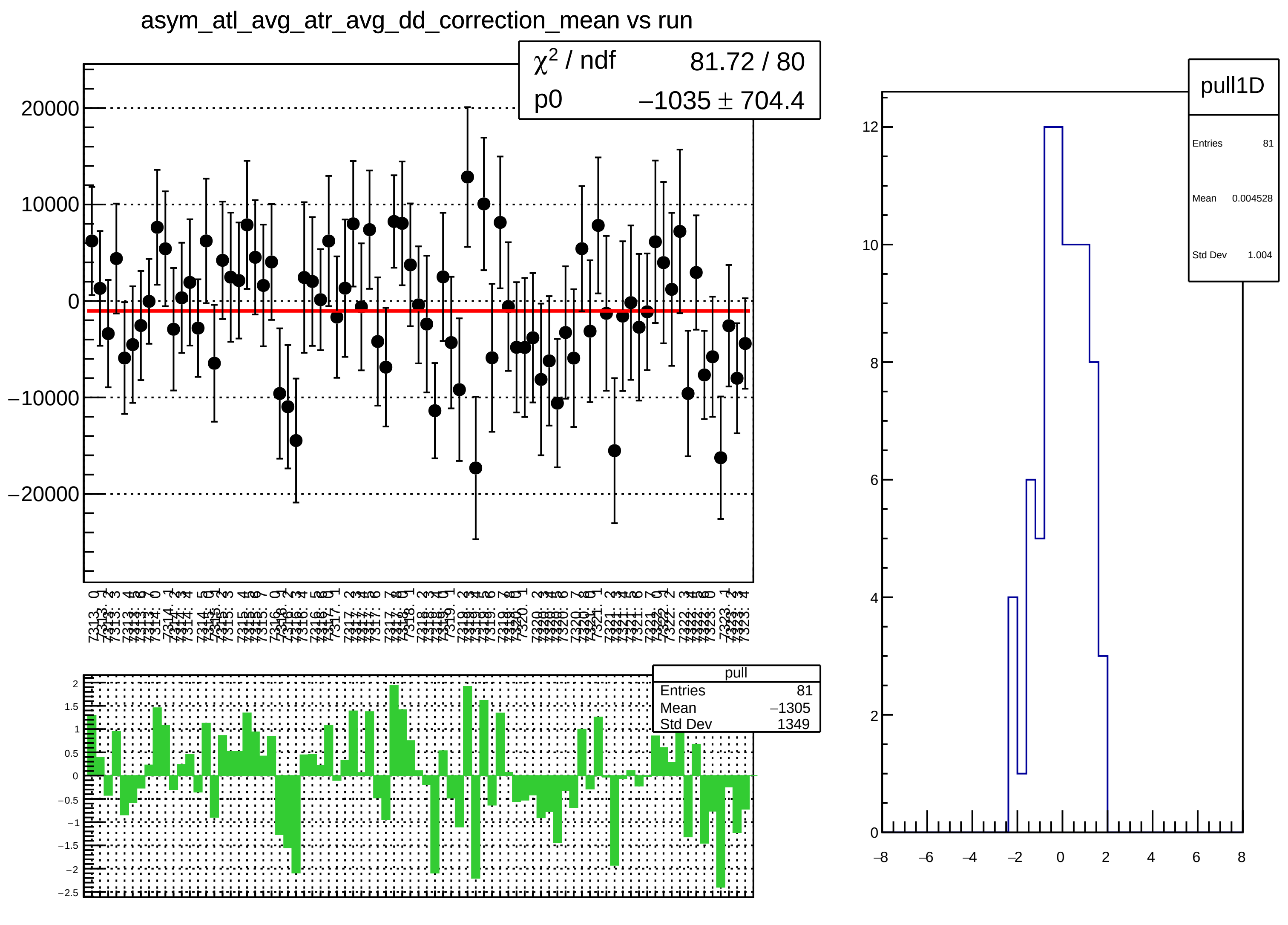
asym_atl_avg_atr_avg_avg_mean vs run
×10^3
300
200
100
0
−100
−200
−300
χ^2 / ndf 84.81 / 80
p0 −1.044e+04 ± 7767
pull
Entries 81
Mean −1015
Std Dev 1060
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.005312
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.597e+04 / 80
p0 6804 ± 5.492
9000
8500
8000
7500
7000
6500
6000
5500
5000
4500

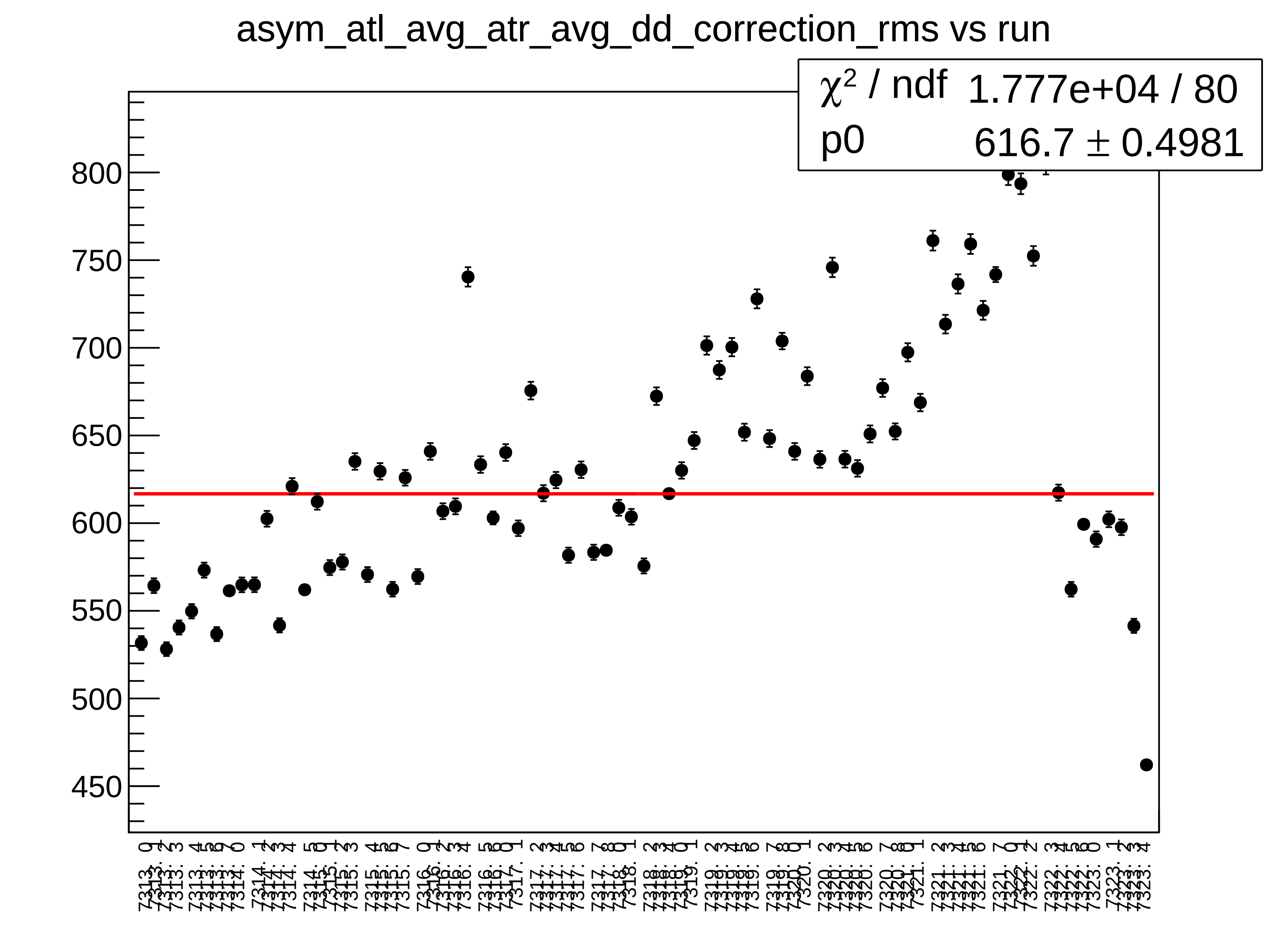


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 79.45 / 80
p0 840.3 ± 1375
pull
Entries 81
Mean 28.5
Std Dev 47.86
pull1D
Entries 81
Mean 0.01083
Std Dev 0.9903

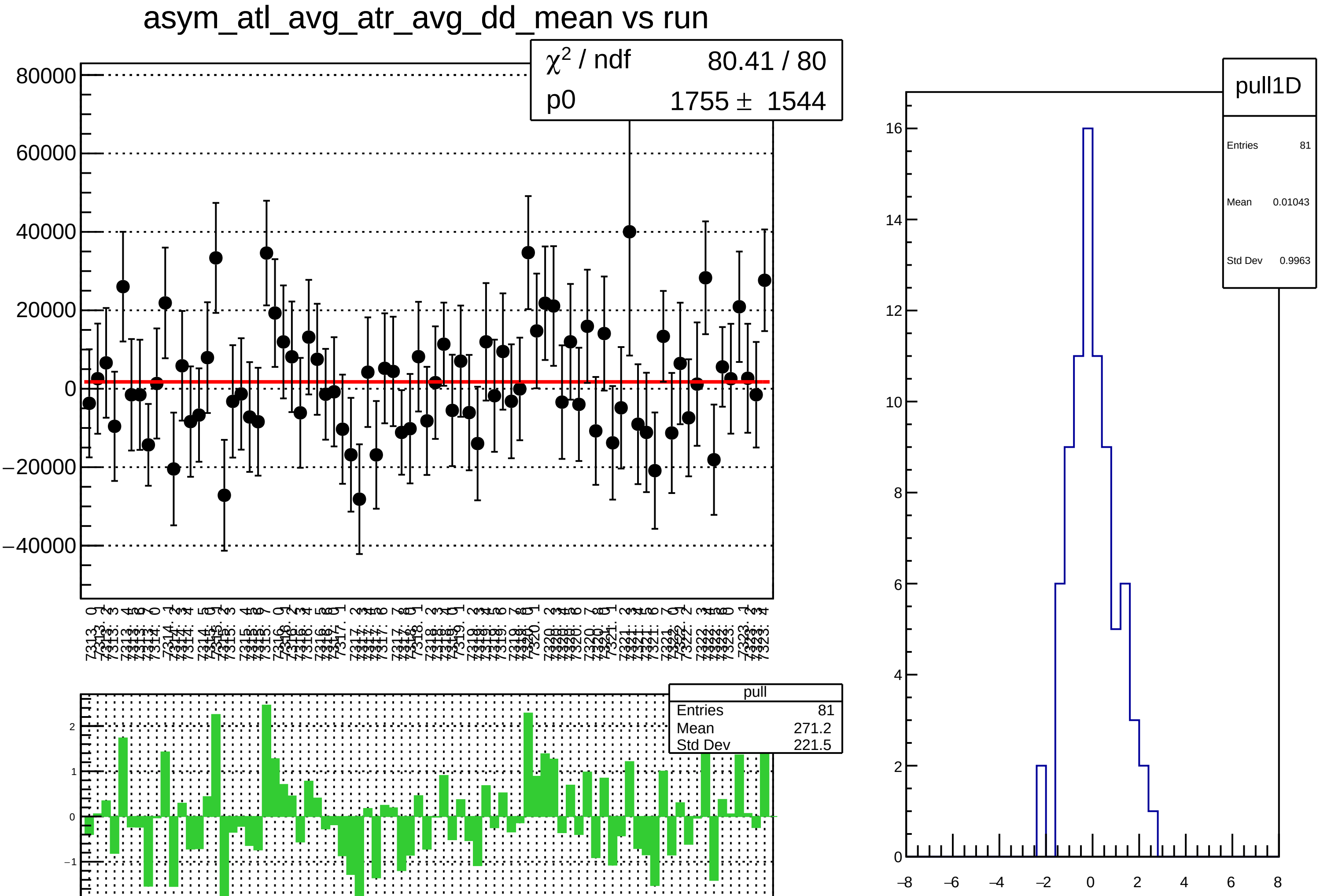

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 6249 / 80
p0 1208 ± 0.9724
3000
2500
2000
1500
1000



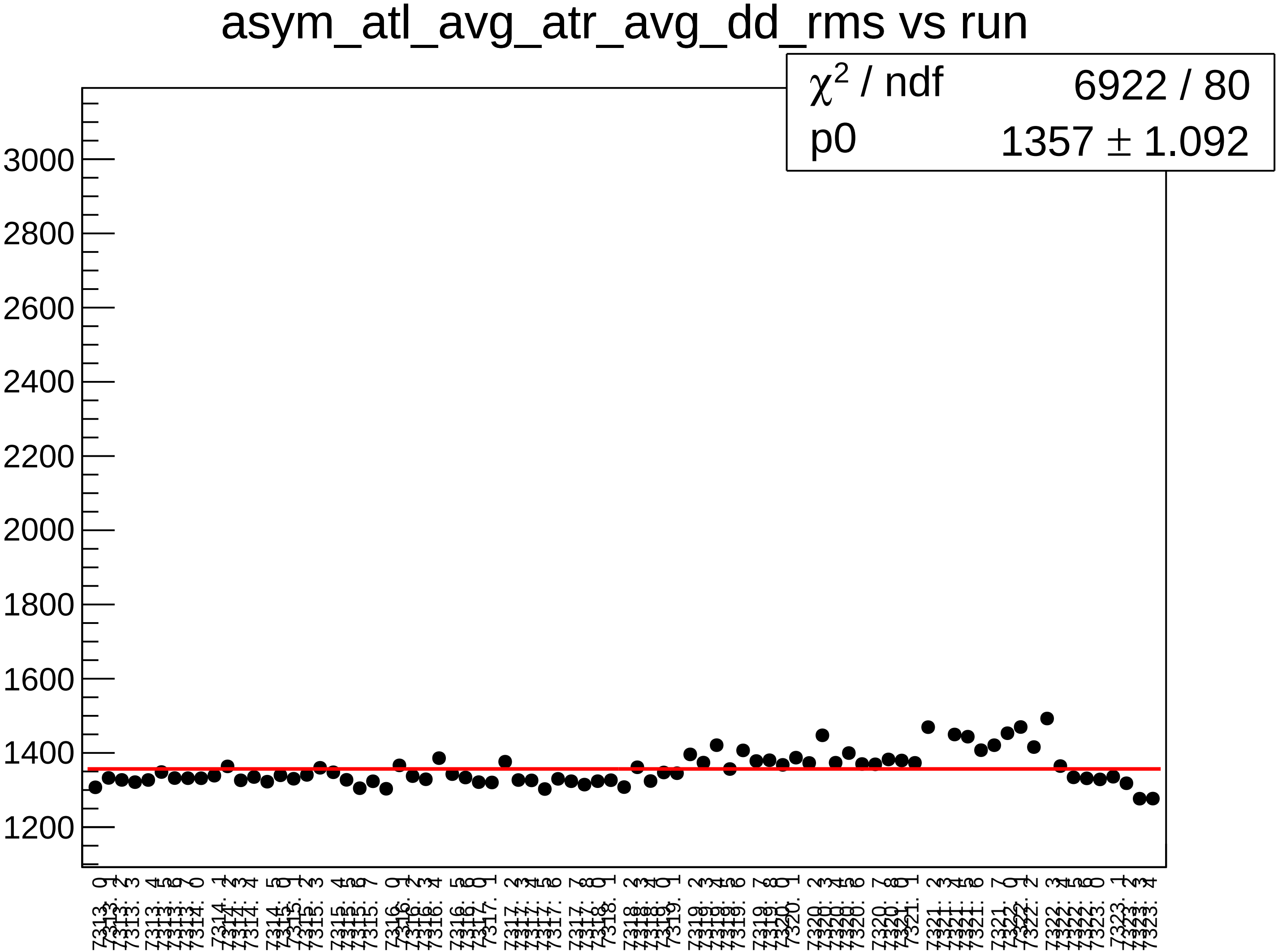
asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 81.72 / 80
p0 −1035 ± 704.4
pull
Entries 81
Mean −1305
Std Dev 1349
pull1D
Entries 81
Mean 0.004528
Std Dev 1.004



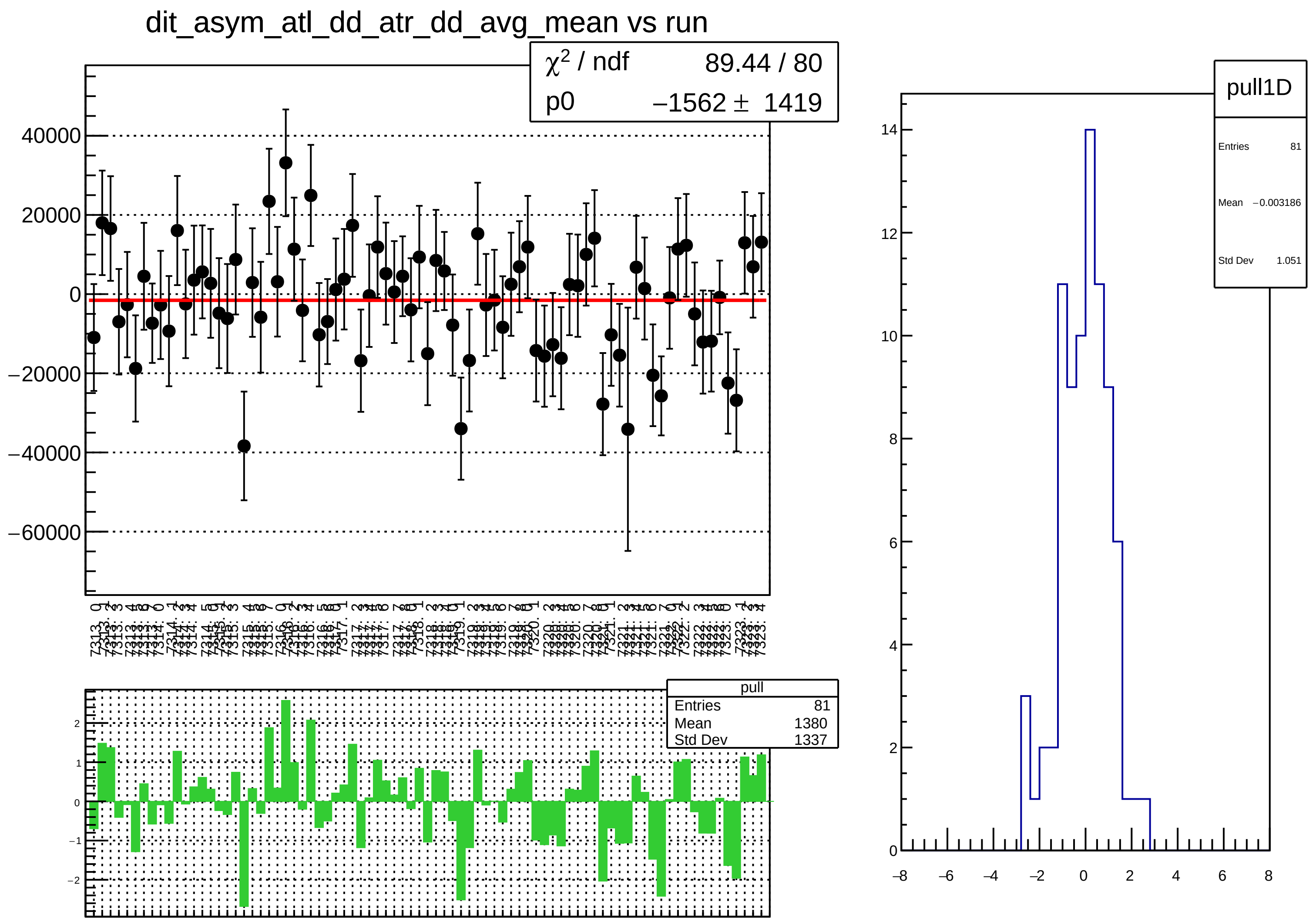
asym_atl_avg_atr_avg_dd_correction_rms vs run
χ2 / ndf 1.777e+04 / 80
p0 616.7 ± 0.4981
800
750
700
650
600
550
500
450



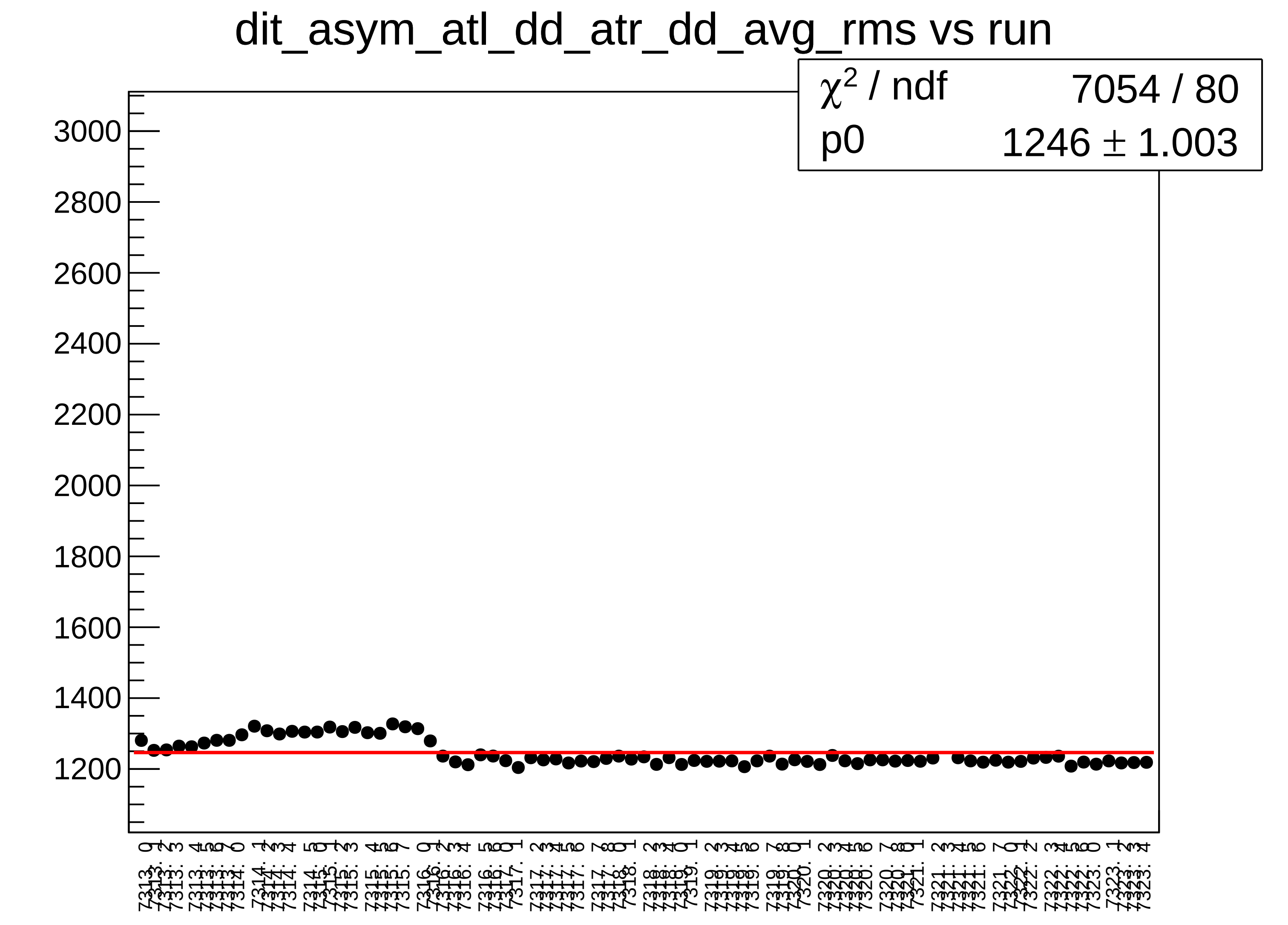
asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 80.41 / 80
p0 1755 ± 1544
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 271.2
Std Dev 221.5
pull1D
Entries 81
Mean 0.01043
Std Dev 0.9963

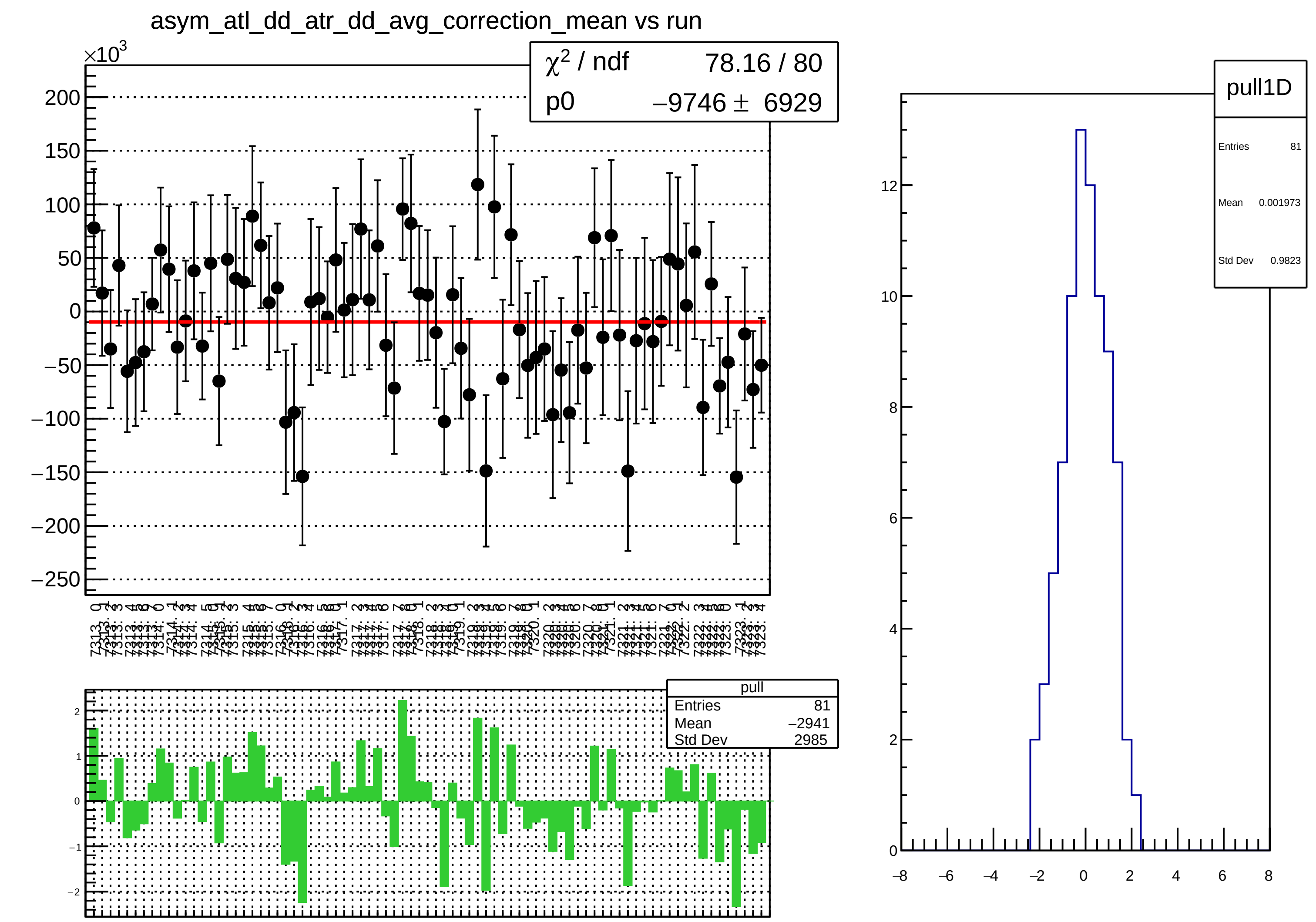


asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 6922 / 80
p0 1357 ± 1.092
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

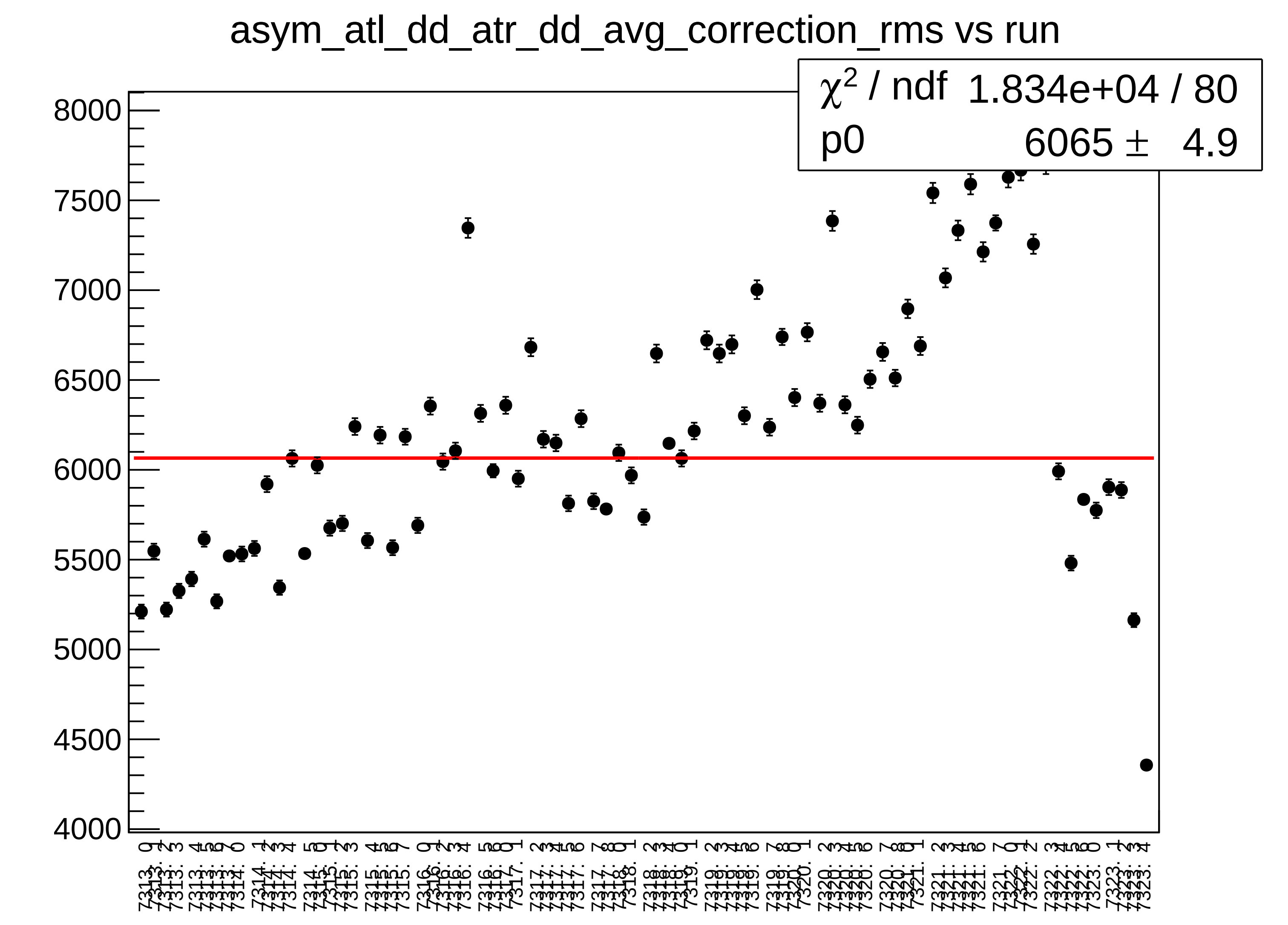


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 89.44 / 80
p0 −1562 ± 1419
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 1380
Std Dev 1337
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.003186
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

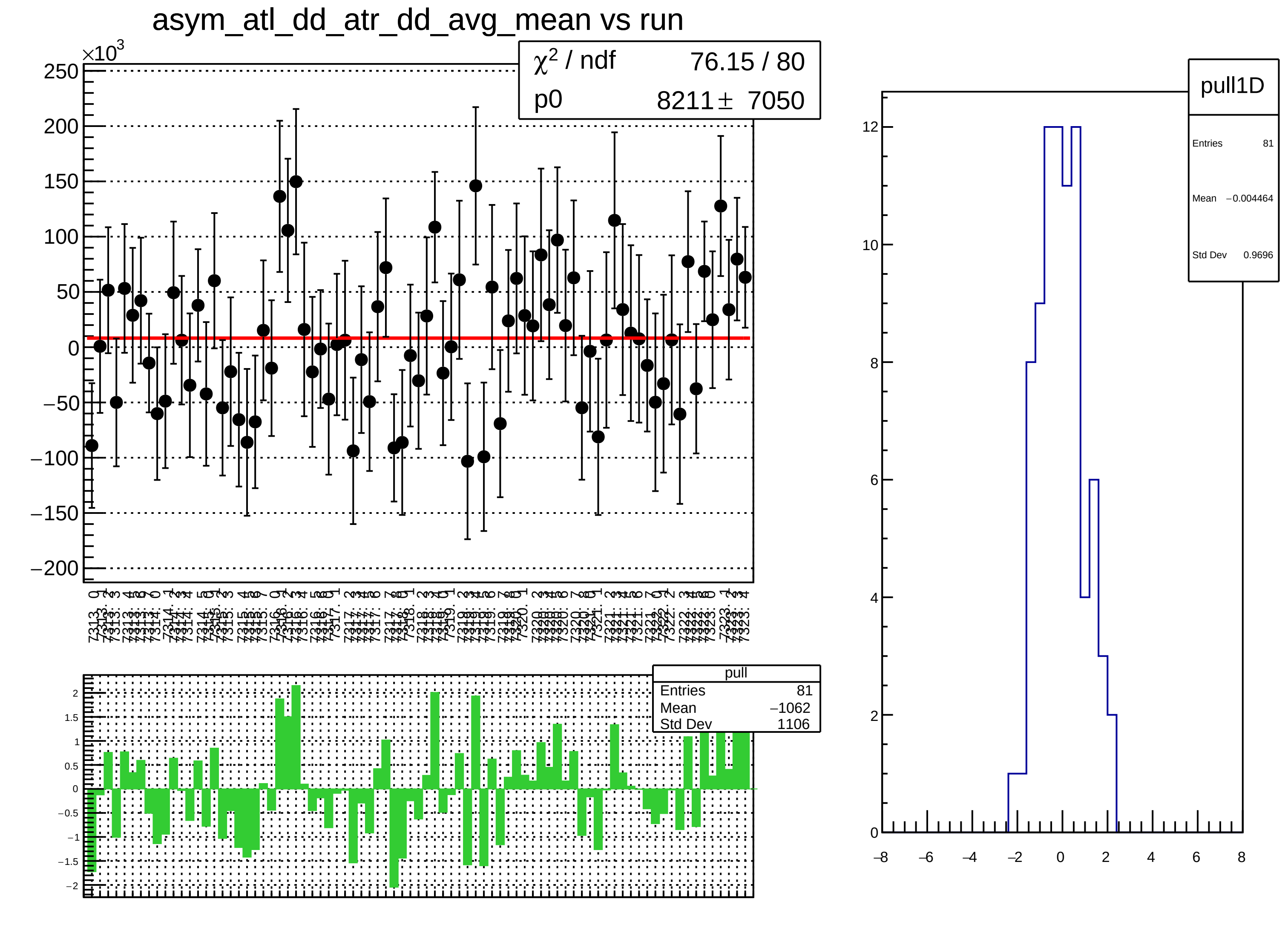

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 7054 / 80
p0 1246 ± 1.003
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200



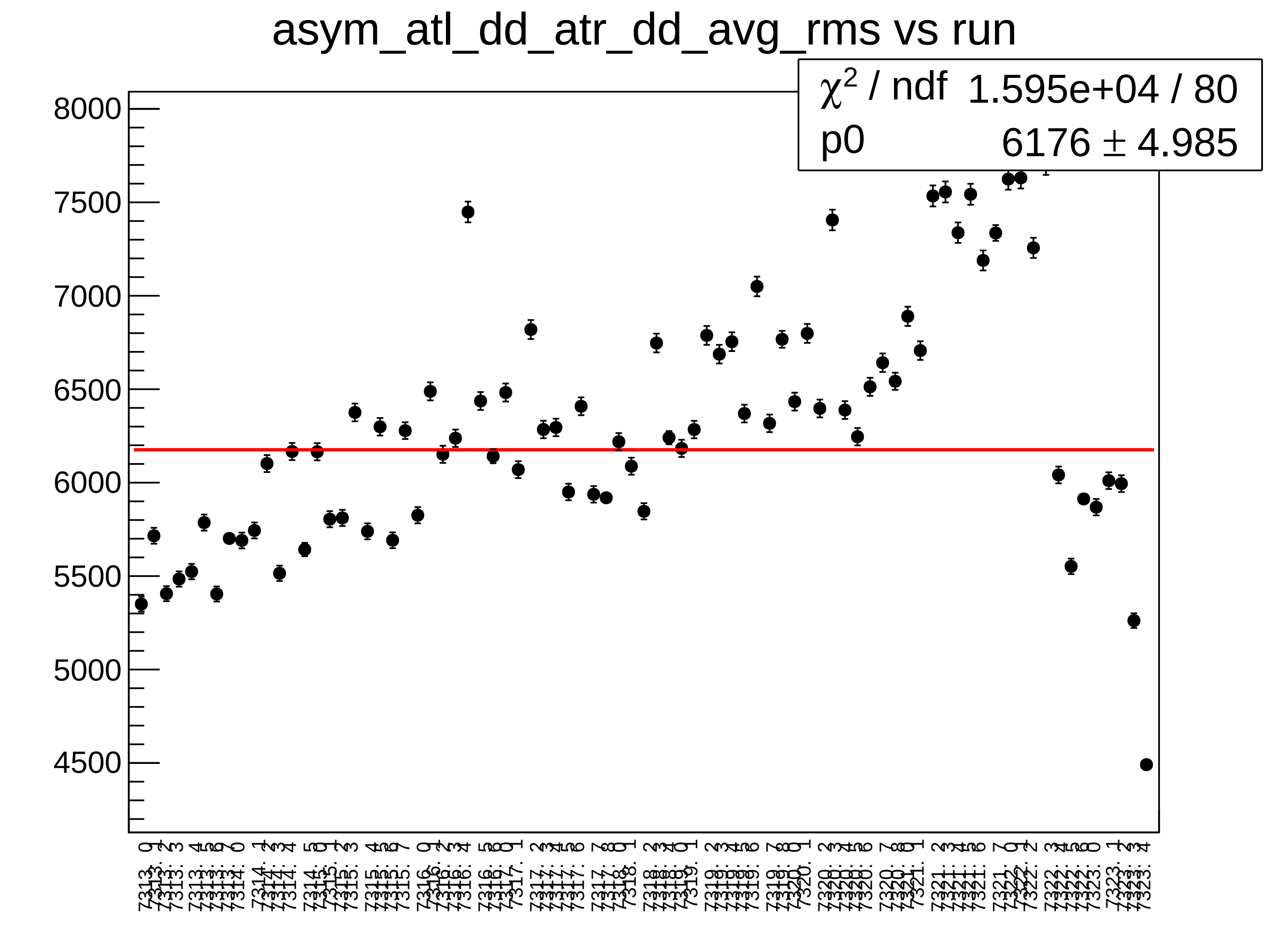
asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ2 / ndf 78.16 / 80
p0 −9746 ± 6929
pull
Entries 81
Mean −2941
Std Dev 2985
pull1D
Entries 81
Mean 0.001973
Std Dev 0.9823



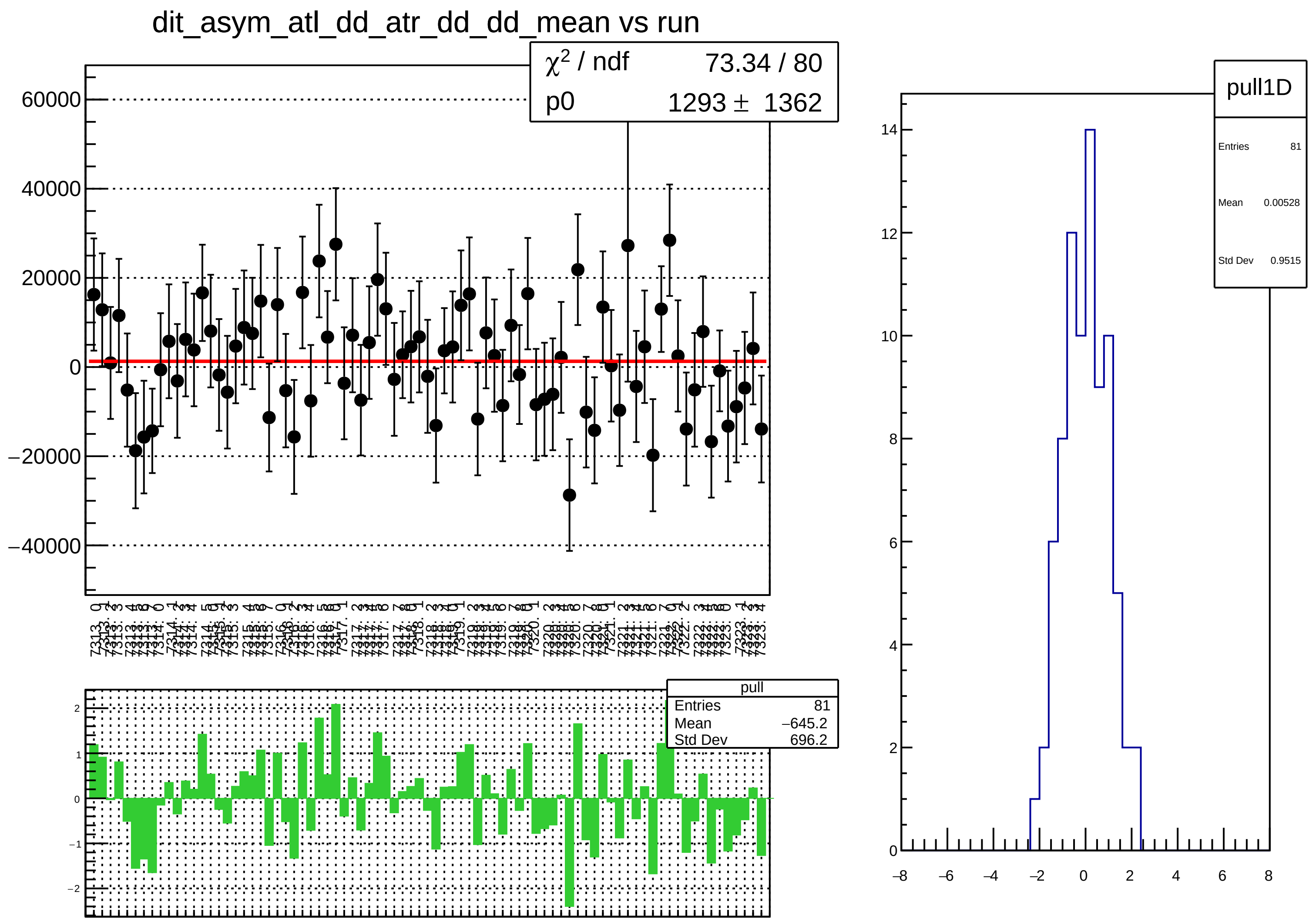
asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 1.834e+04 / 80
p0 6065 ± 4.9
8000
7500
7000
6500
6000
5500
5000
4500
4000



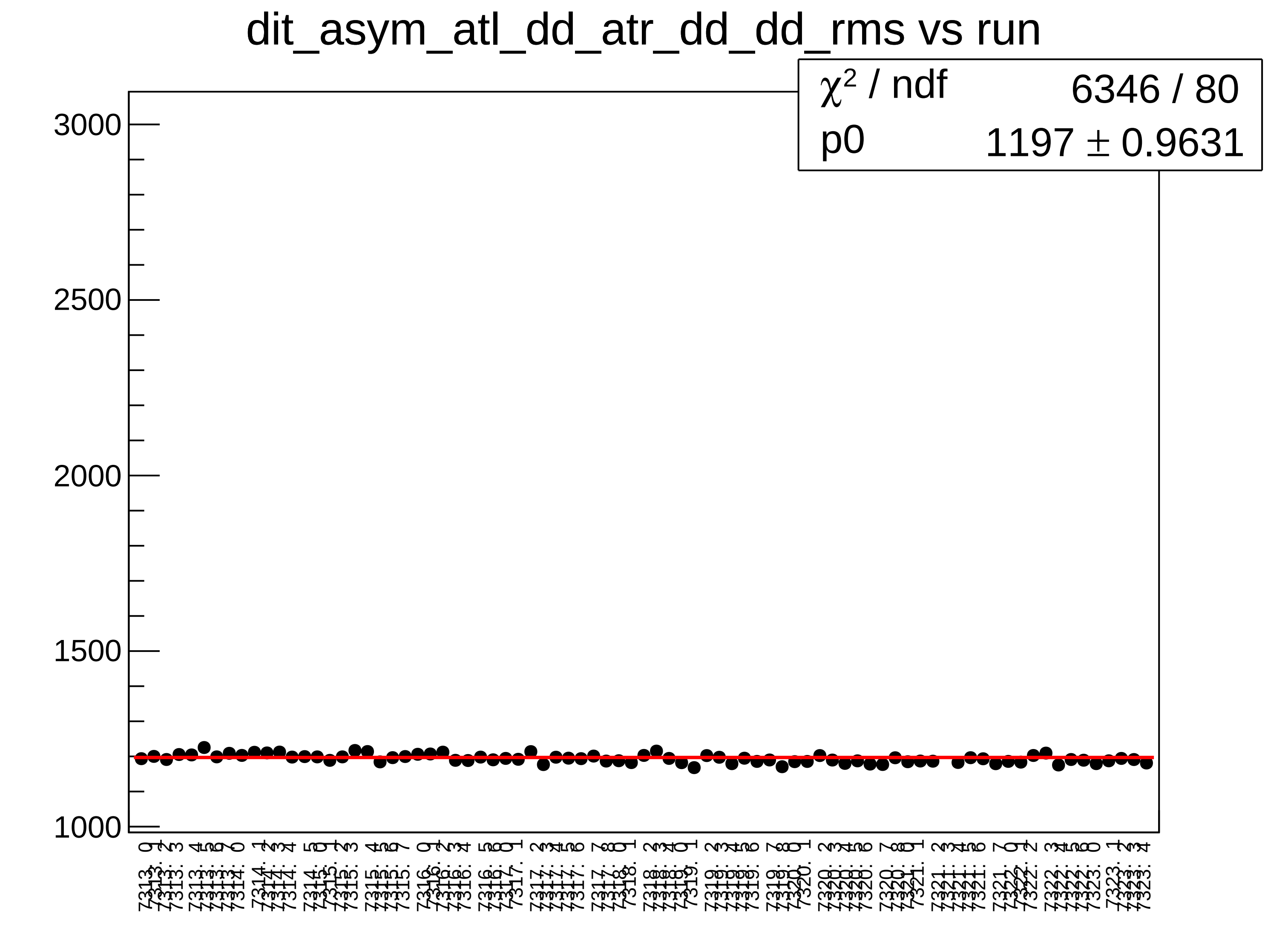
asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 76.15 / 80
p0 8211 ± 7050
pull
Entries 81
Mean −1062
Std Dev 1106
pull1D
Entries 81
Mean −0.004464
Std Dev 0.9696

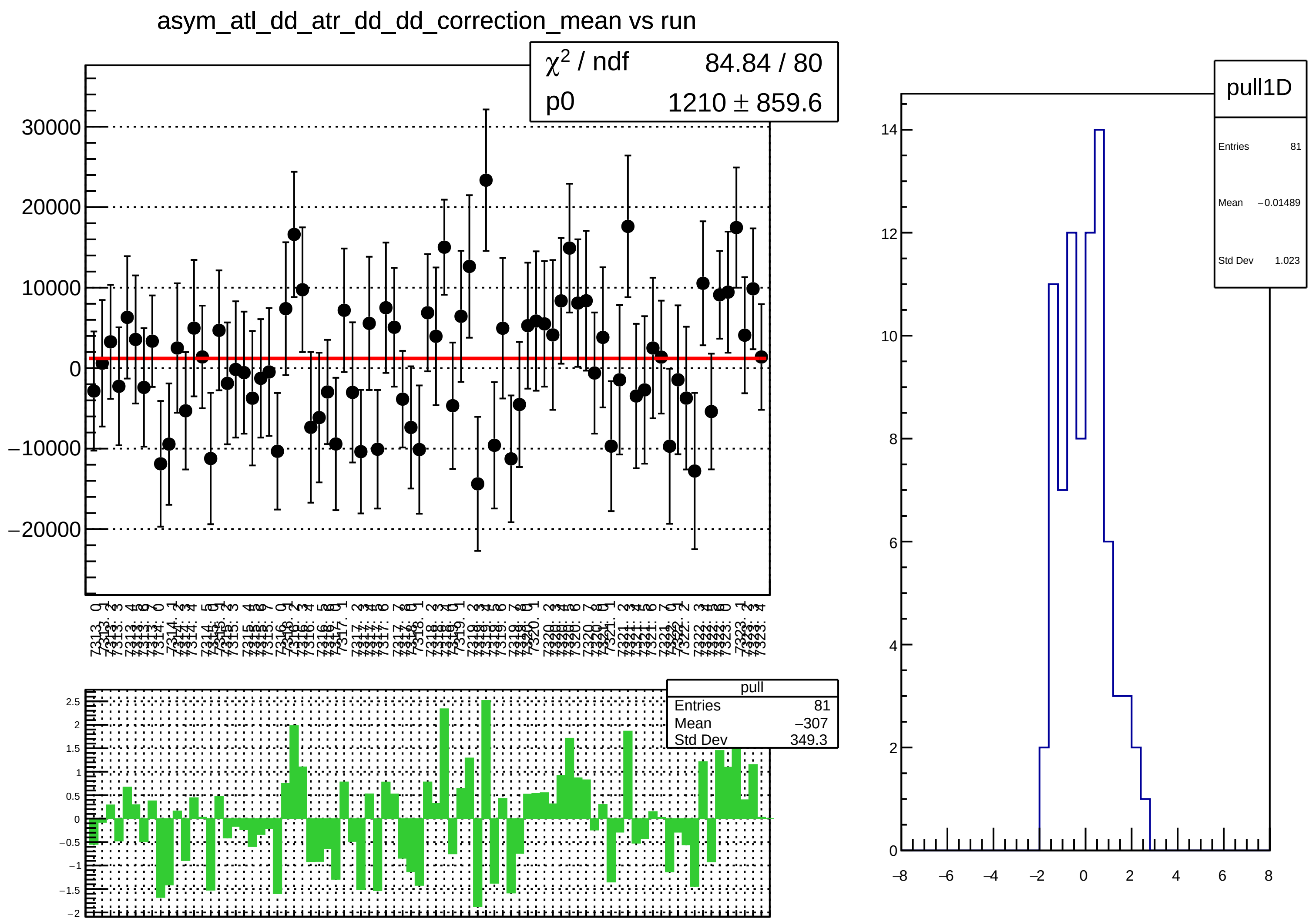


asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 1.595e+04 / 80
p0 6176 ± 4.985
8000
7500
7000
6500
6000
5500
5000
4500

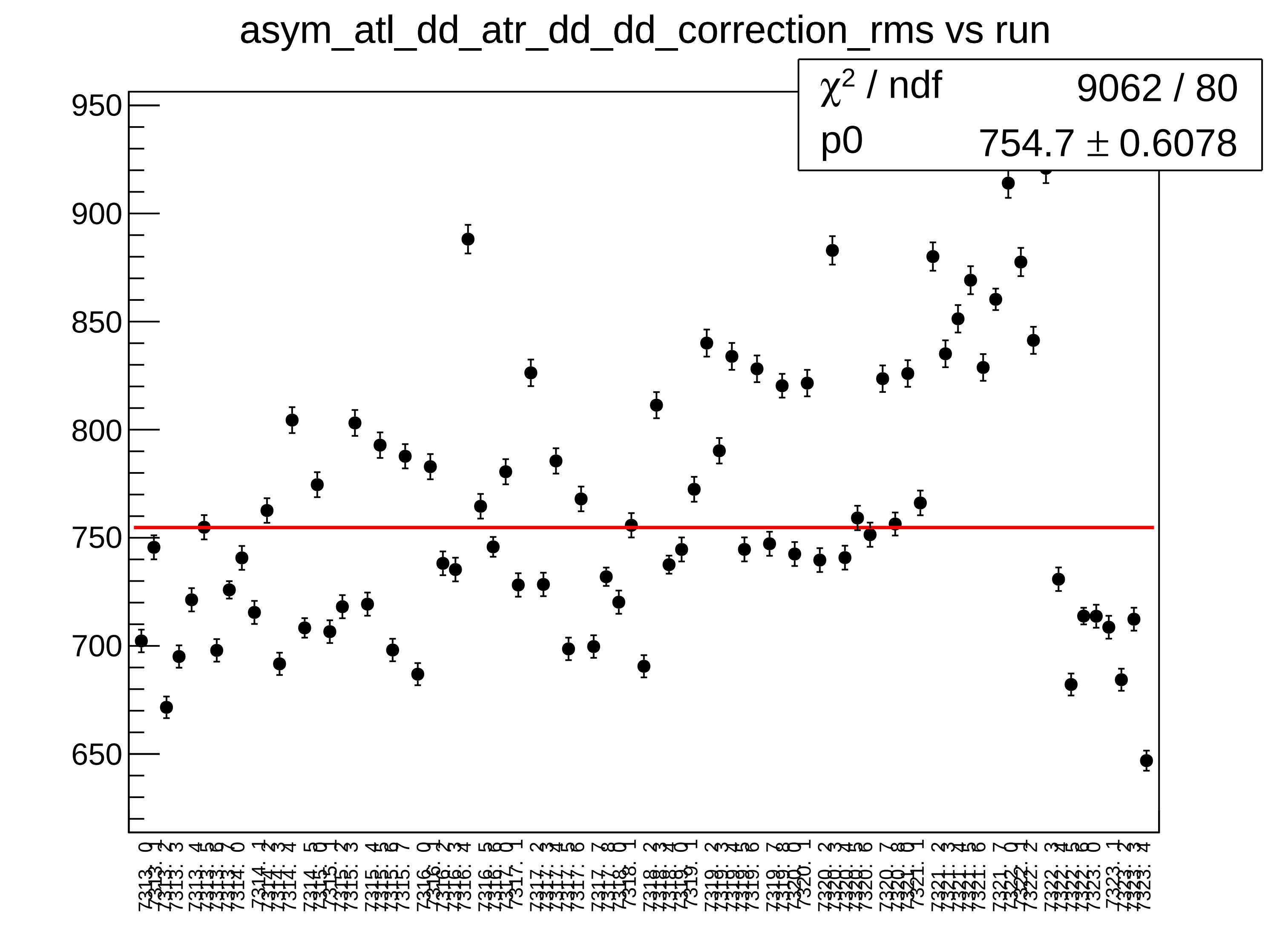


dit_asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 73.34 / 80
p0 1293 ± 1362
pull
Entries 81
Mean −645.2
Std Dev 696.2
pull1D
Entries 81
Mean 0.00528
Std Dev 0.9515

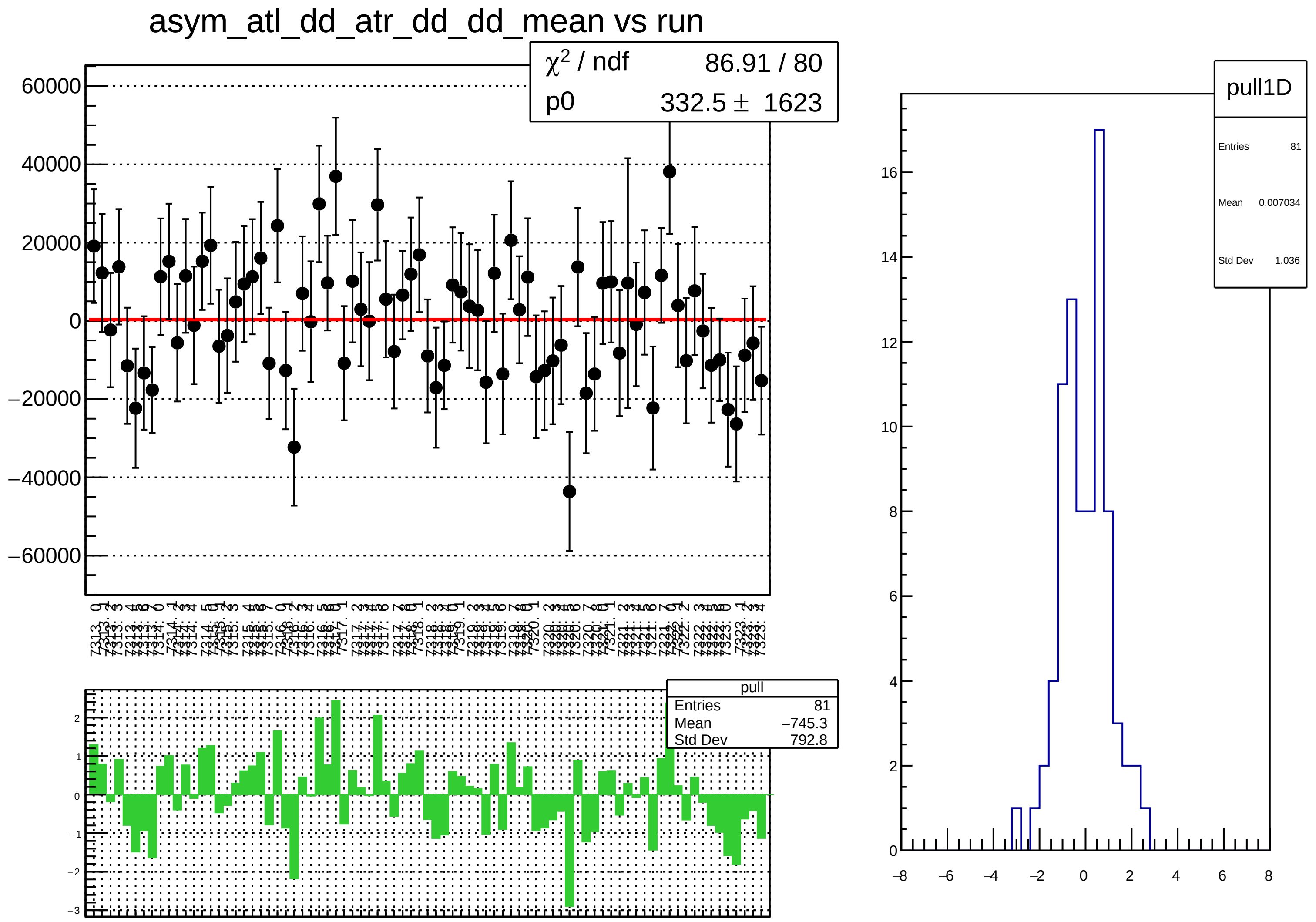

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 6346 / 80
p0 1197 ± 0.9631
3000
2500
2000
1500
1000

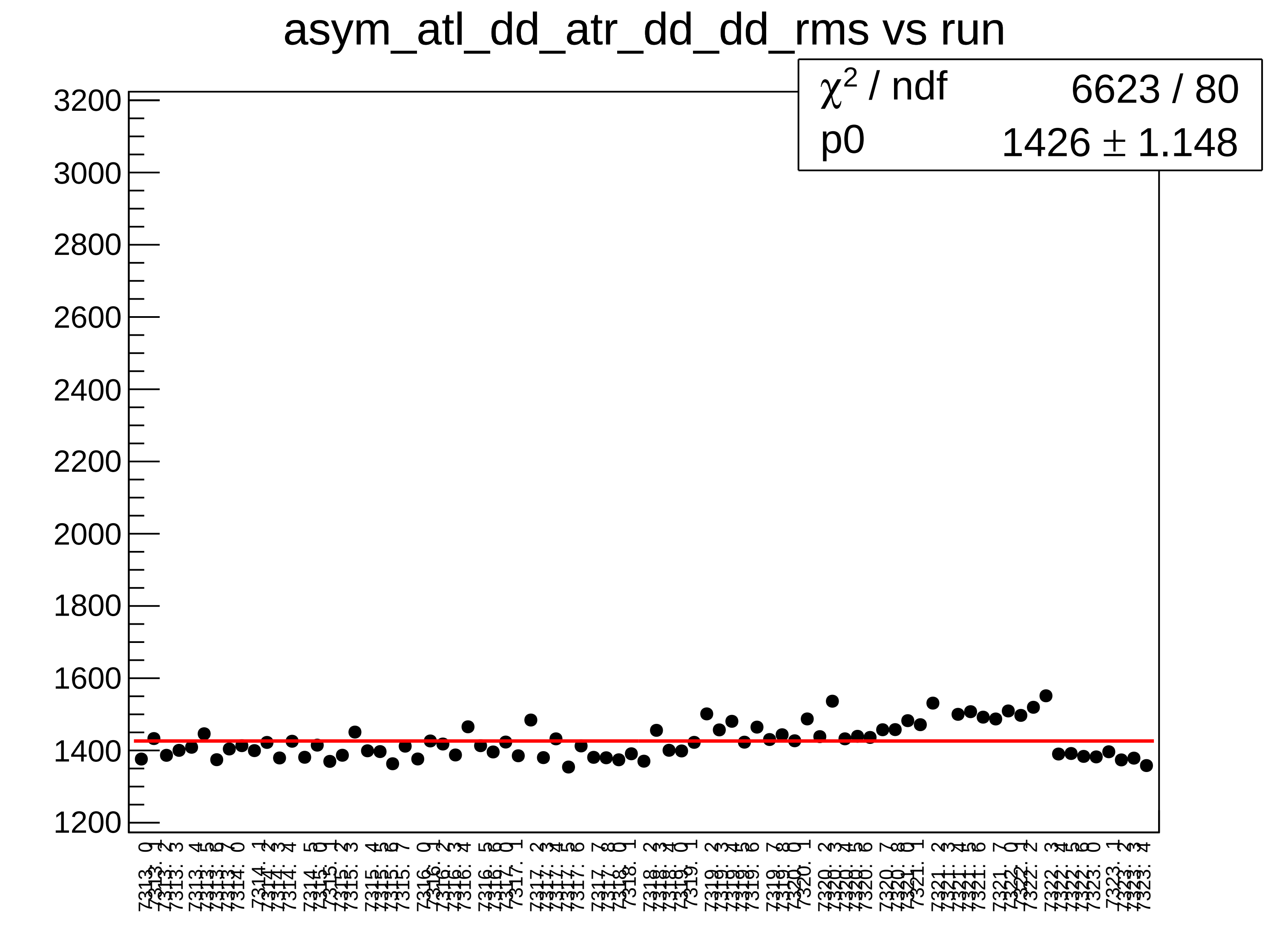


asym_atl_dd_atr_dd_dd_correction_mean vs run
χ2 / ndf 84.84 / 80
p0 1210 ± 859.6
pull1D
Entries 81
Mean −0.01489
Std Dev 1.023
pull
Entries 81
Mean −307
Std Dev 349.3

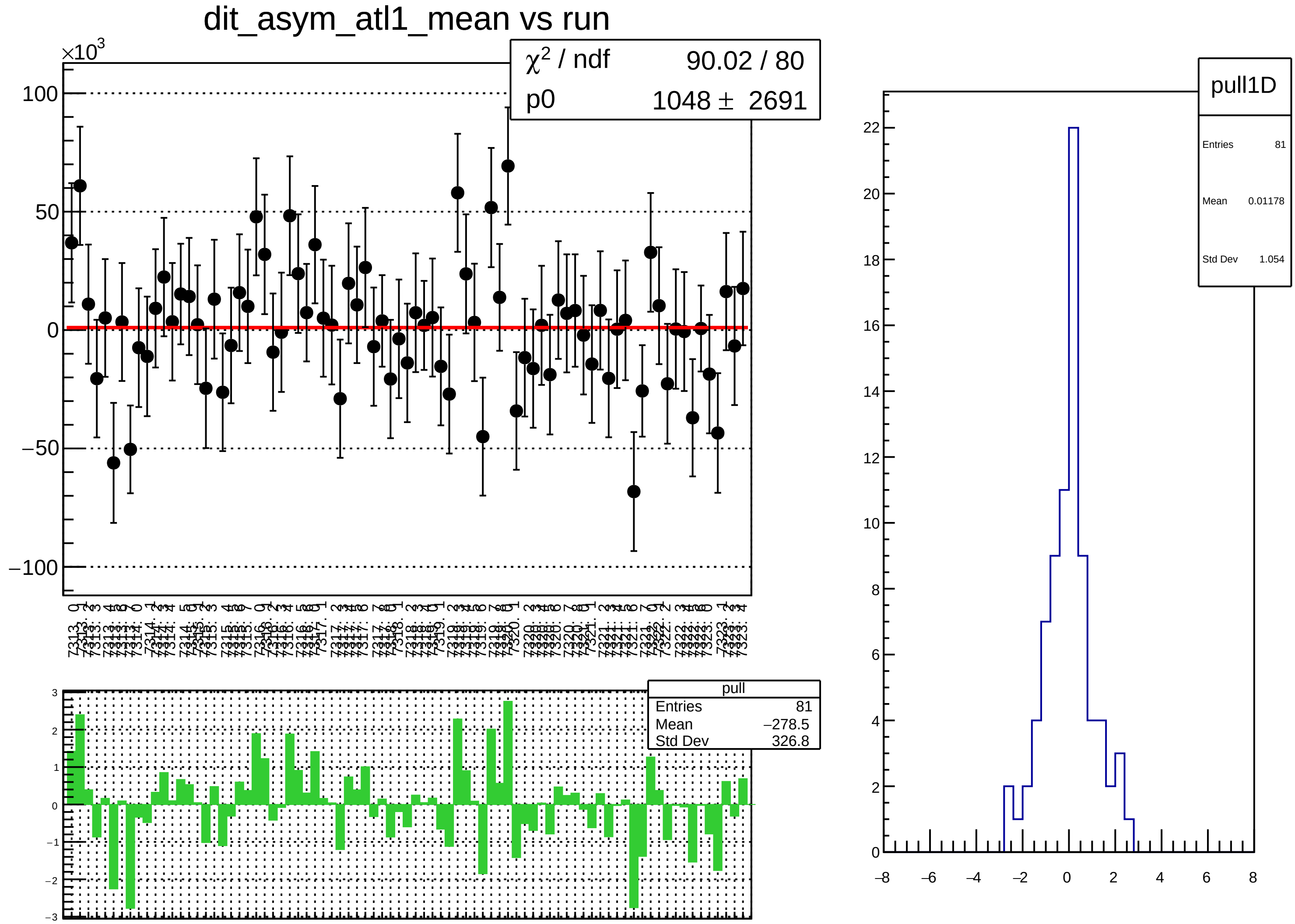


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 9062 / 80
p0 754.7 ± 0.6078
950
900
850
800
750
700
650

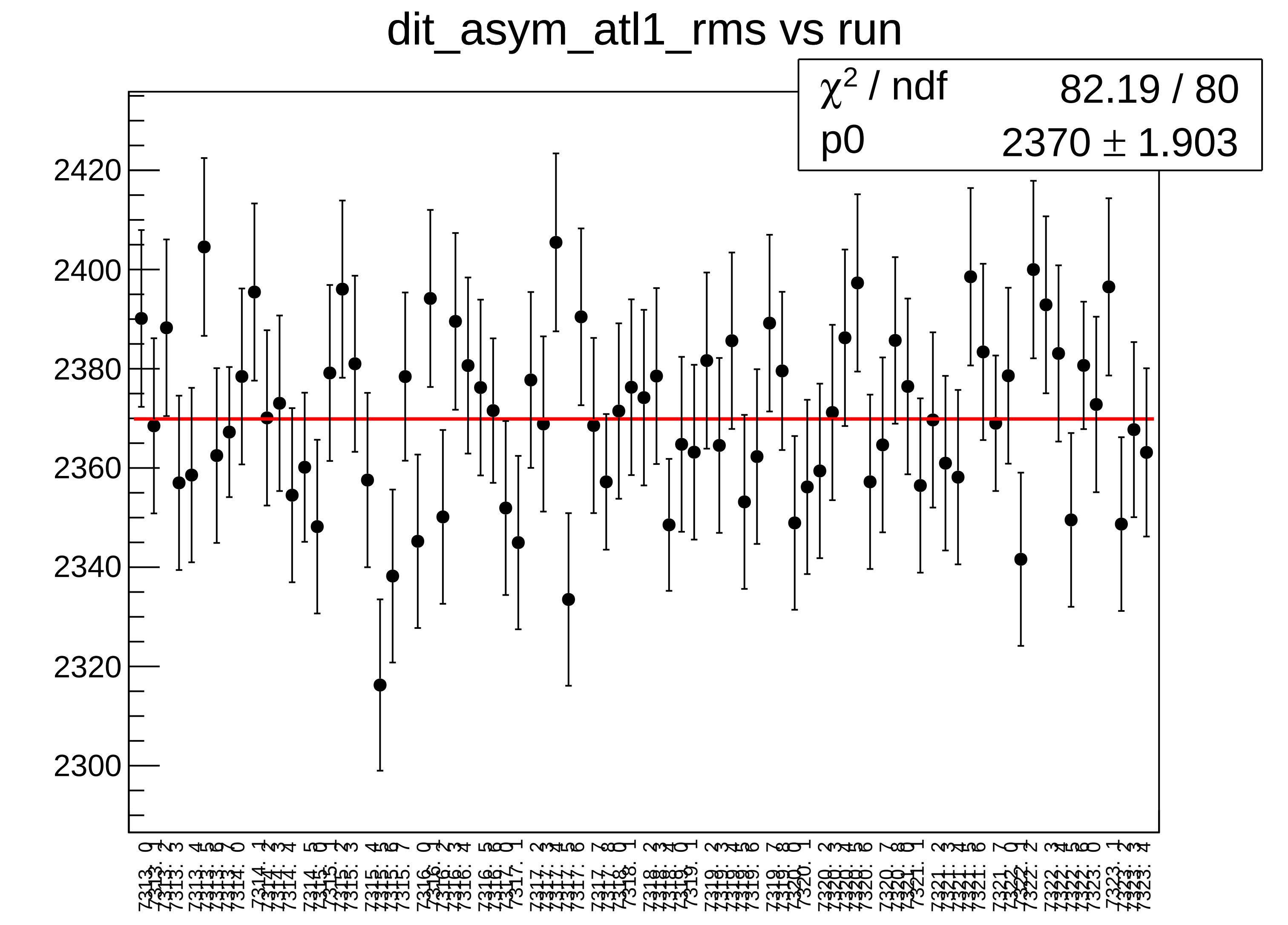

asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 86.91 / 80
p0 332.5 ± 1623
pull
Entries 81
Mean −745.3
Std Dev 792.8
pull1D
Entries 81
Mean 0.007034
Std Dev 1.036

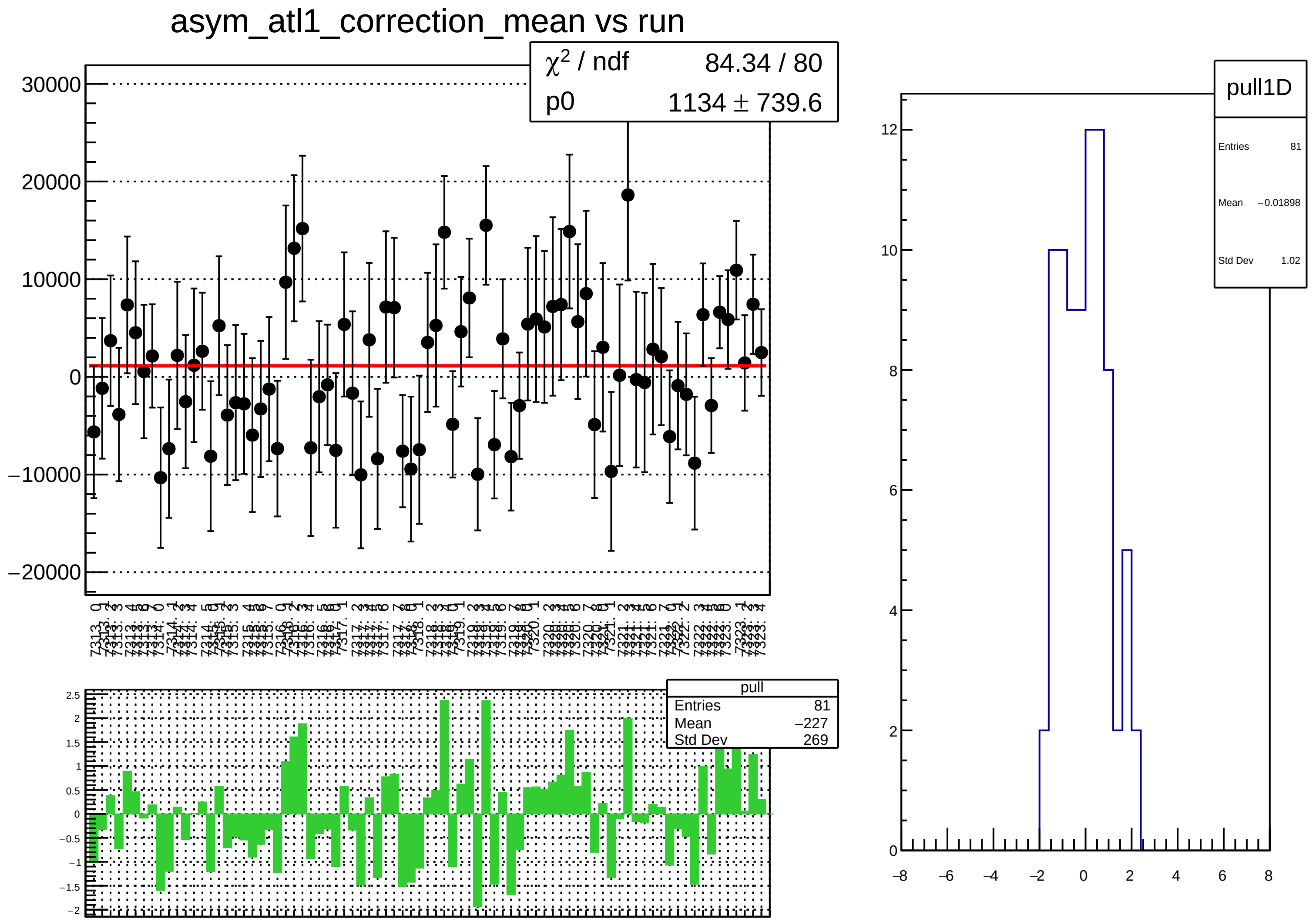


asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 6623 / 80
p0 1426 ± 1.148

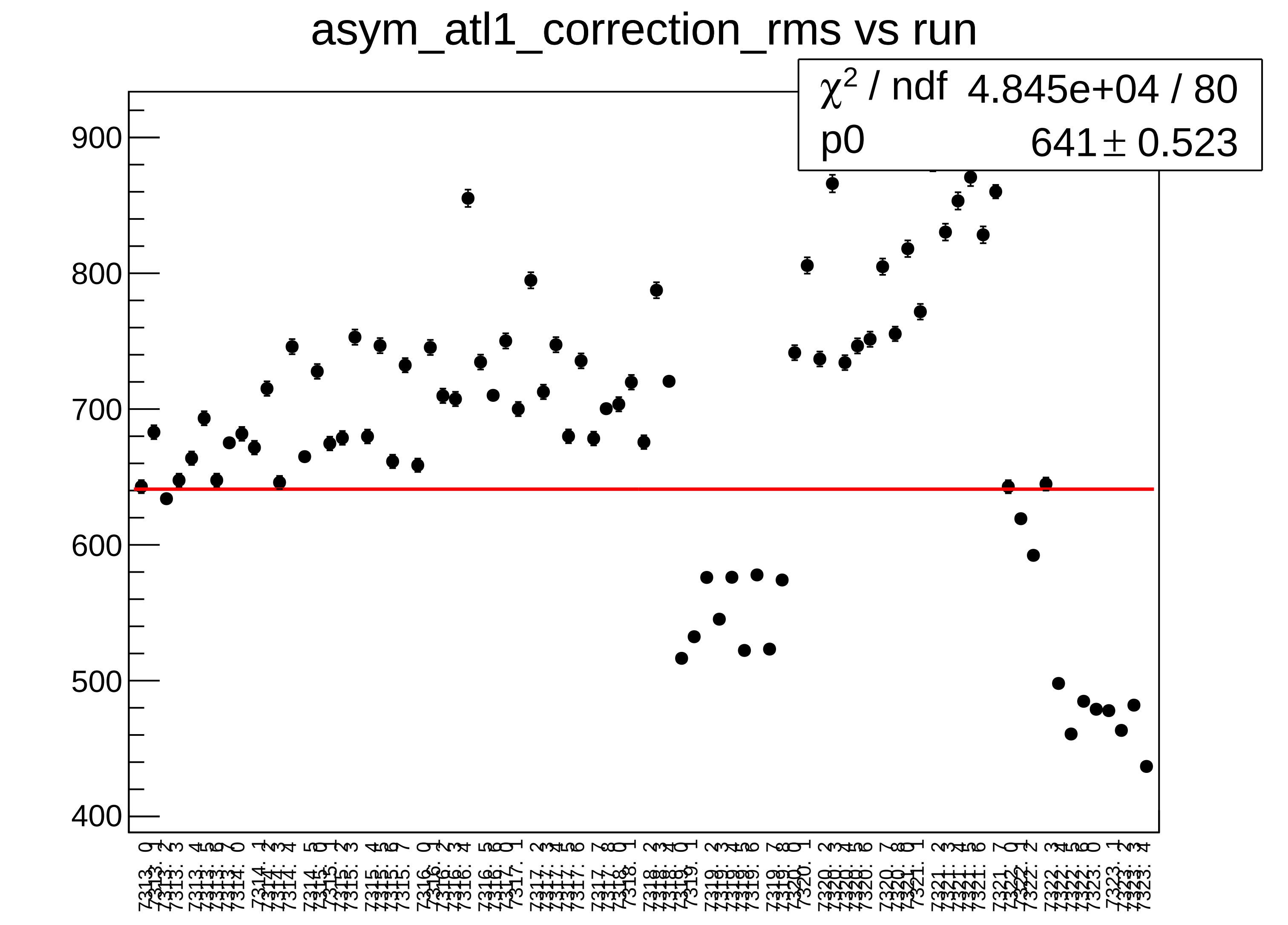


dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 90.02 / 80
p0 1048 ± 2691
pull
Entries 81
Mean −278.5
Std Dev 326.8
pull1D
Entries 81
Mean 0.01178
Std Dev 1.054

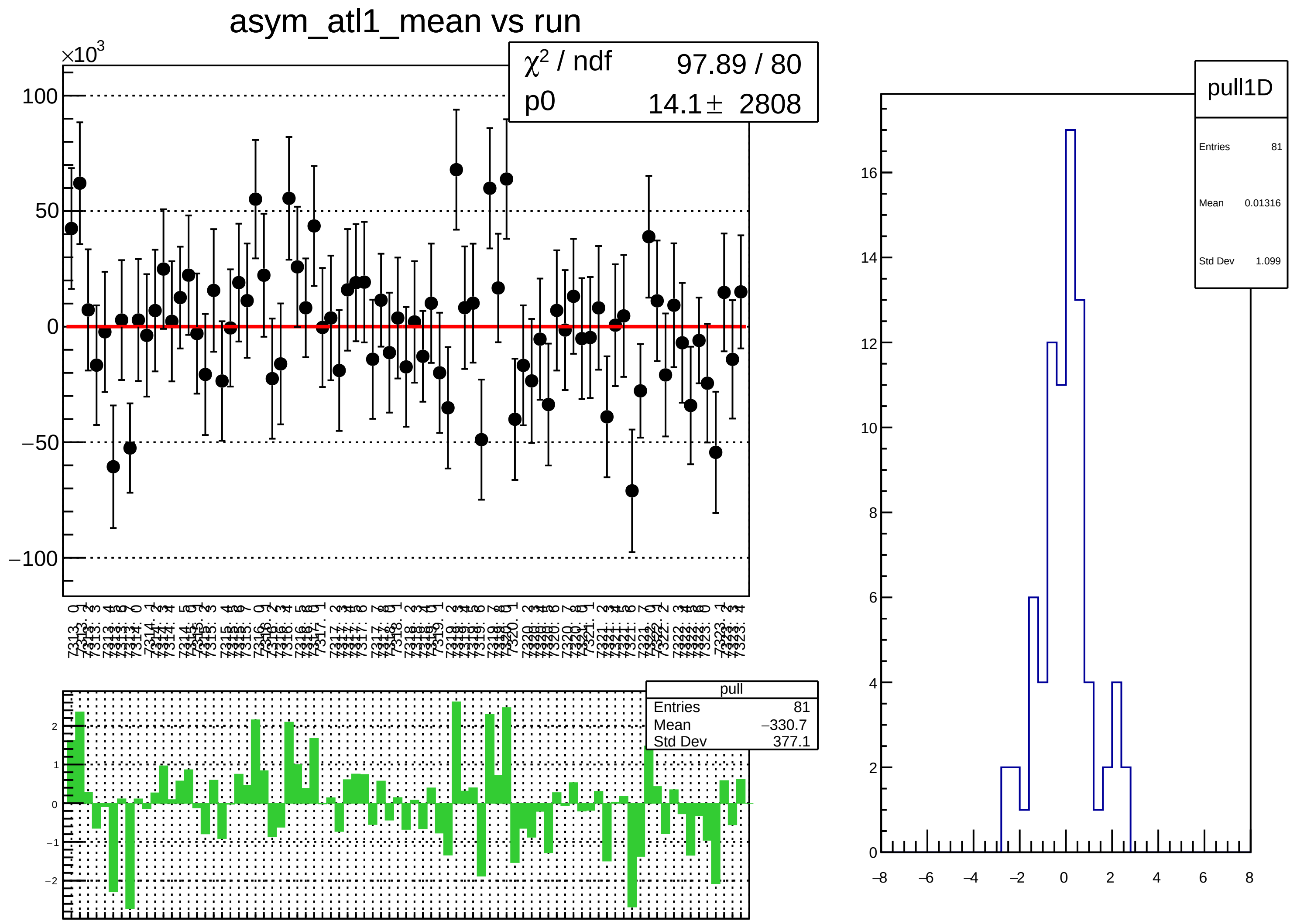

dit_asym_atl1_rms vs run
χ^2 / ndf 82.19 / 80
p0 2370 ± 1.903
2420
2400
2380
2360
2340
2320
2300



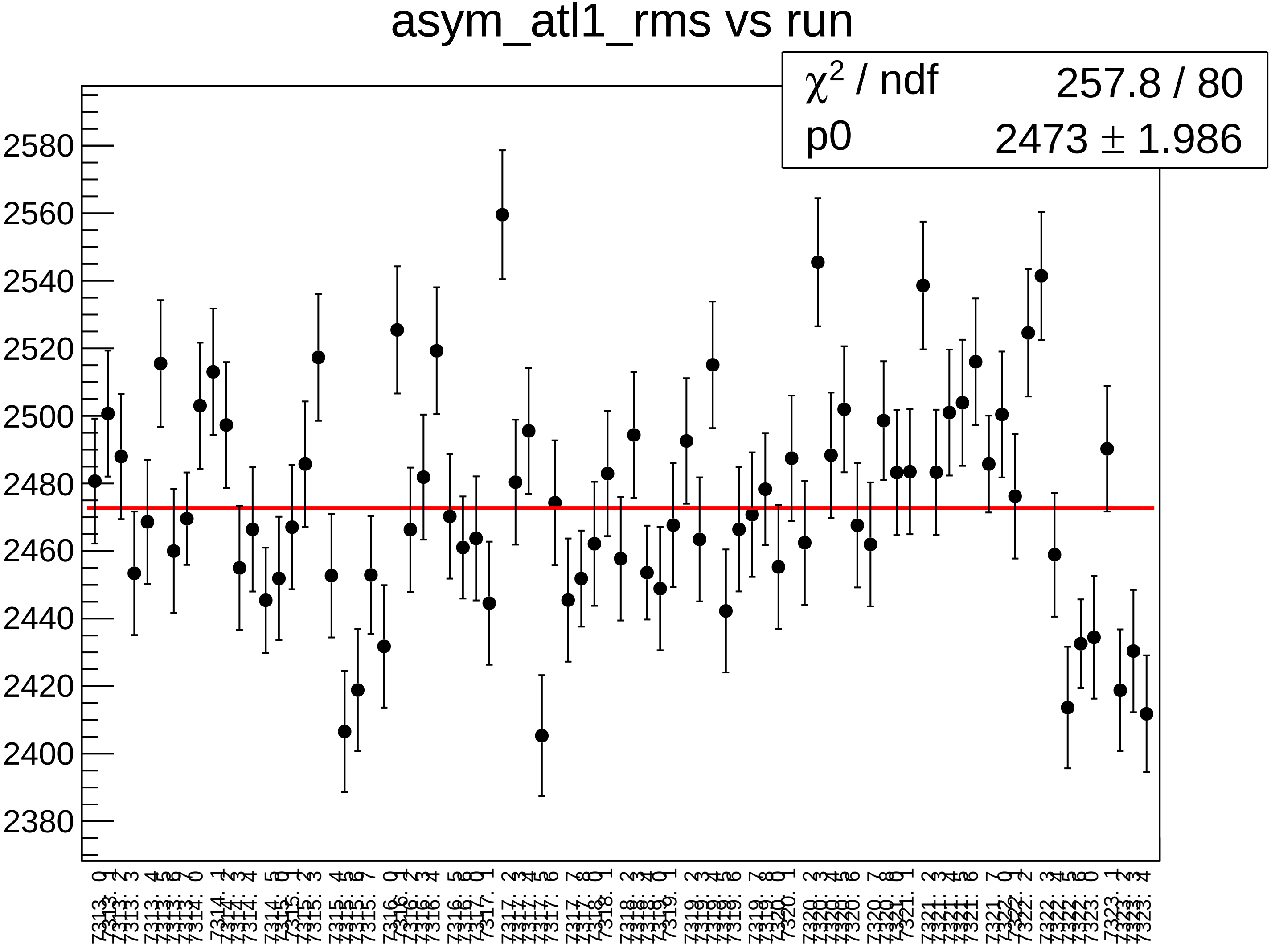
asym_atl1_correction_mean vs run
χ^2 / ndf 84.34 / 80
p0 1134 ± 739.6
pull
Entries 81
Mean −227
Std Dev 269
pull1D
Entries 81
Mean −0.01898
Std Dev 1.02



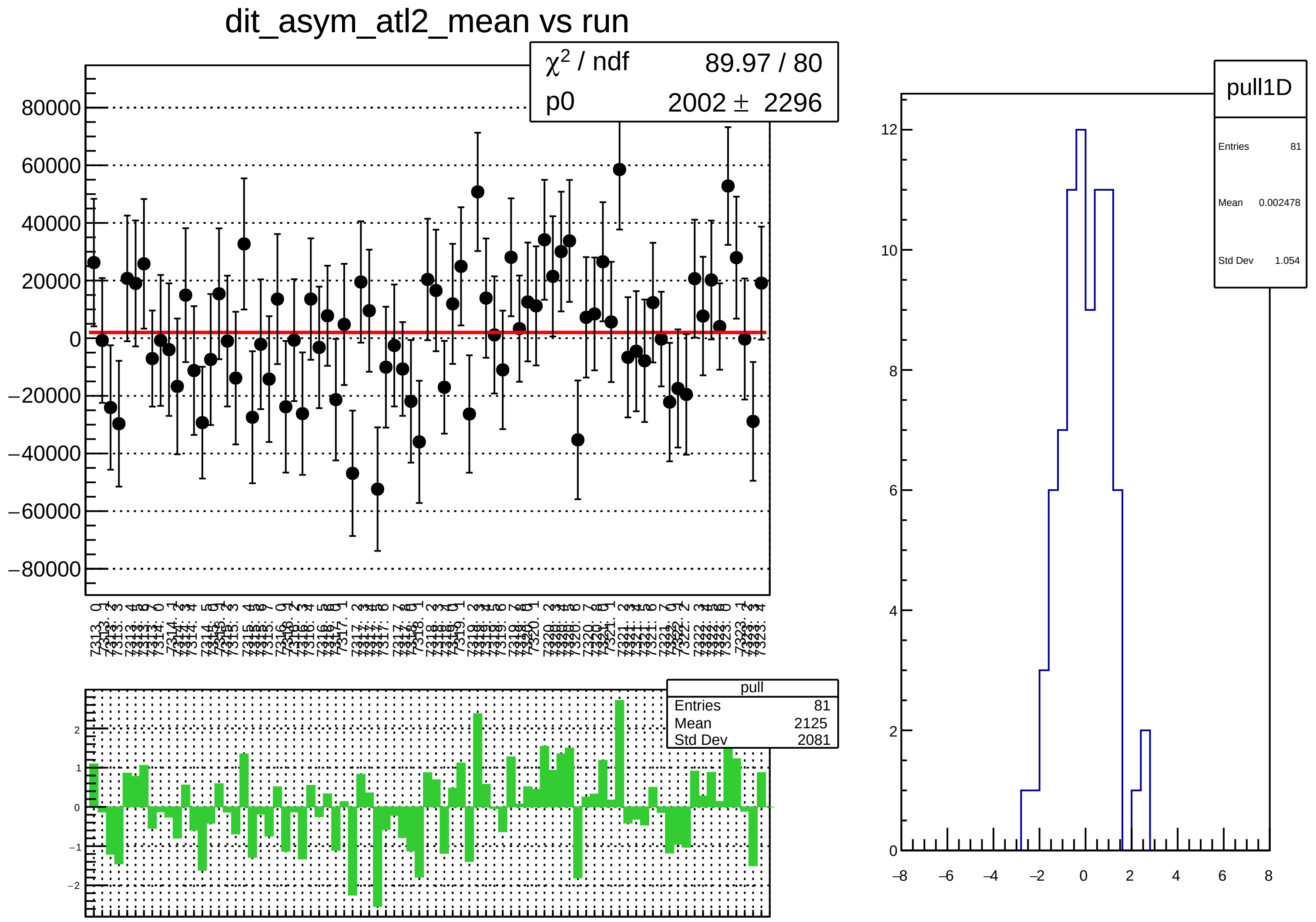
asym_atl1_correction_rms vs run
χ^2 / ndf 4.845e+04 / 80
p0 641 ± 0.523
900
800
700
600
500
400

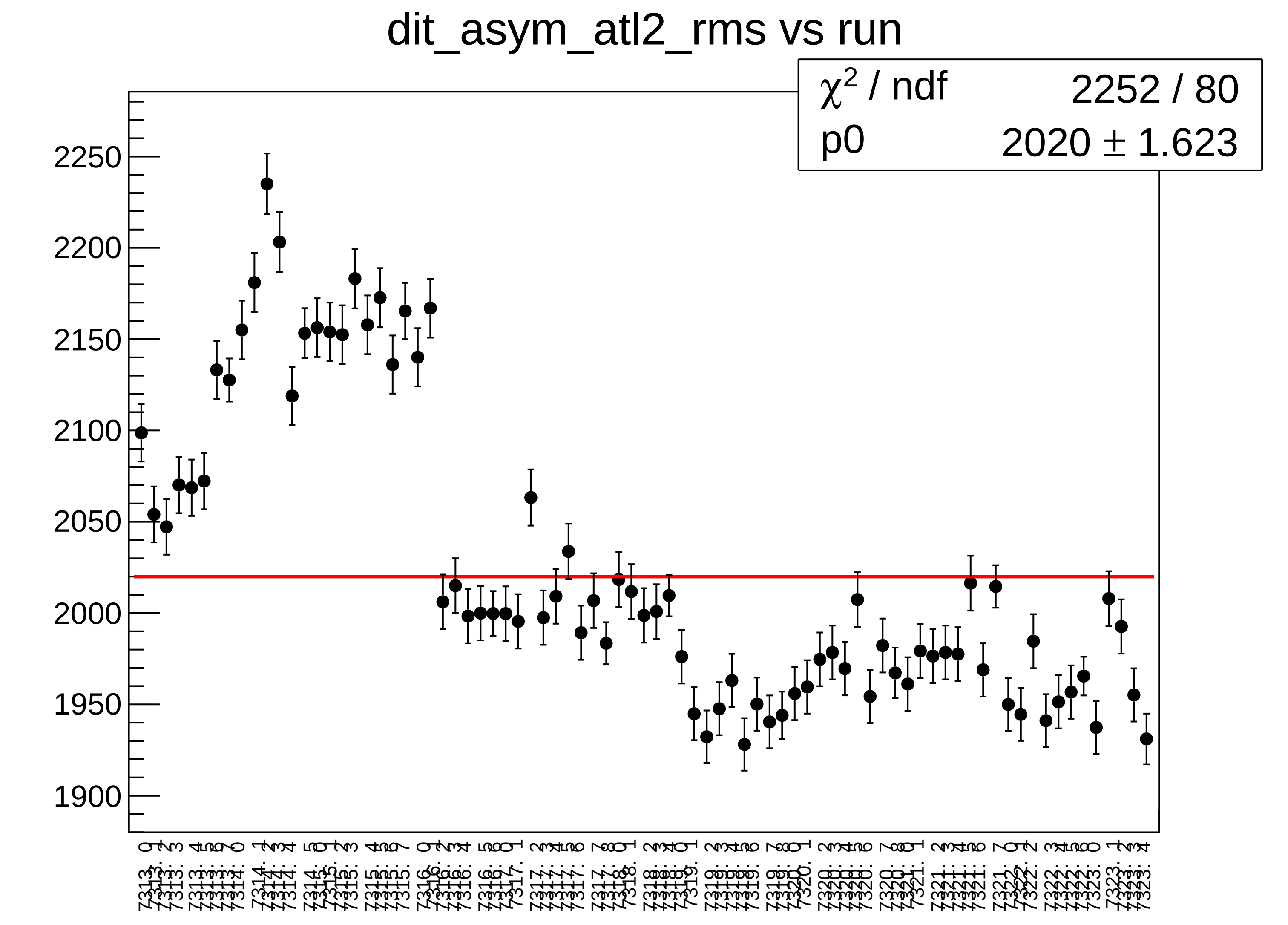


asym_atl1_mean vs run
χ^2 / ndf 97.89 / 80
p0 14.1 ± 2808
×10^3
pull
Entries 81
Mean −330.7
Std Dev 377.1
pull1D
Entries 81
Mean 0.01316
Std Dev 1.099

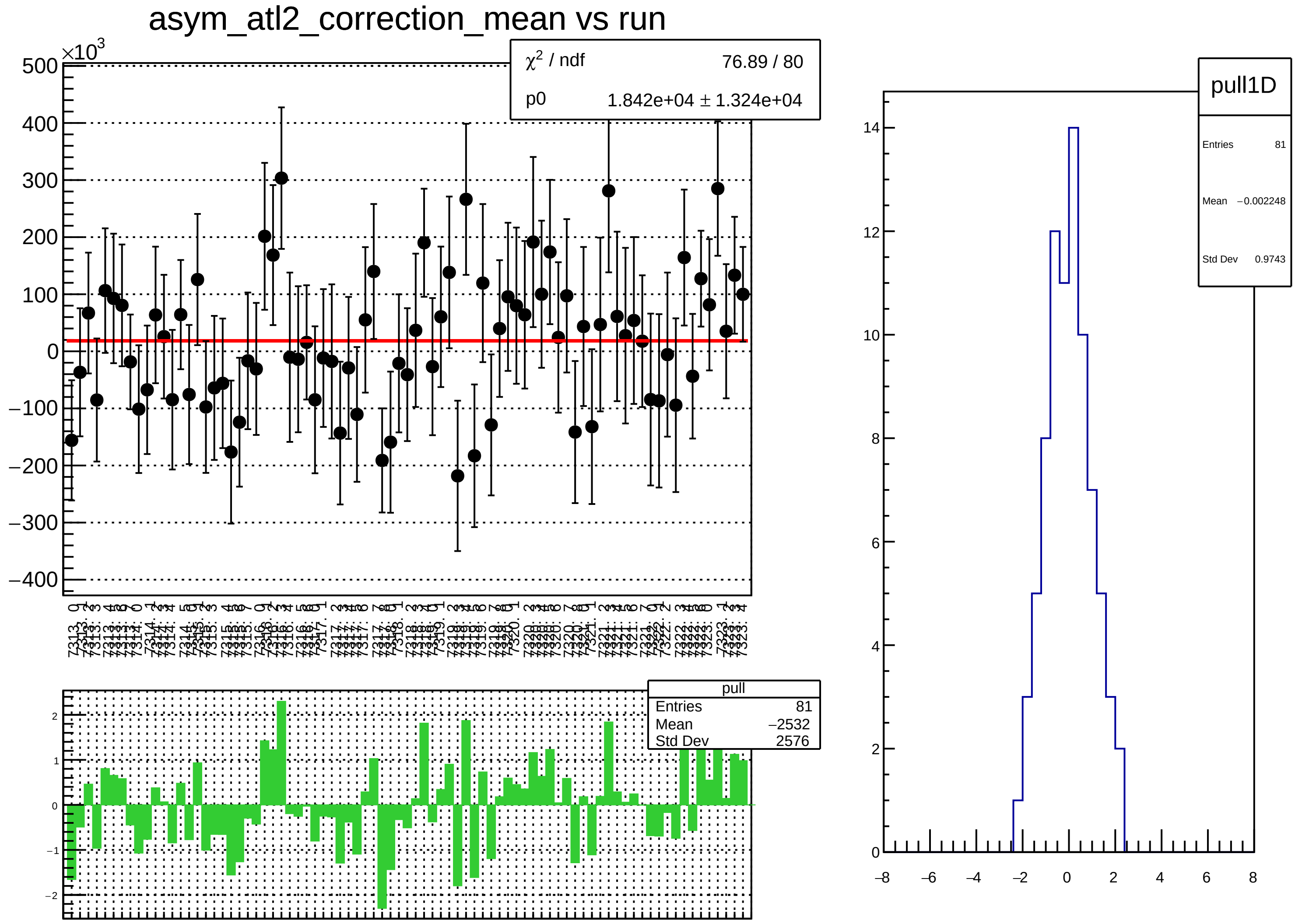


asym_atl1_rms vs run
χ2 / ndf 257.8 / 80
p0 2473 ± 1.986
2580
2560
2540
2520
2500
2480
2460
2440
2420
2400
2380

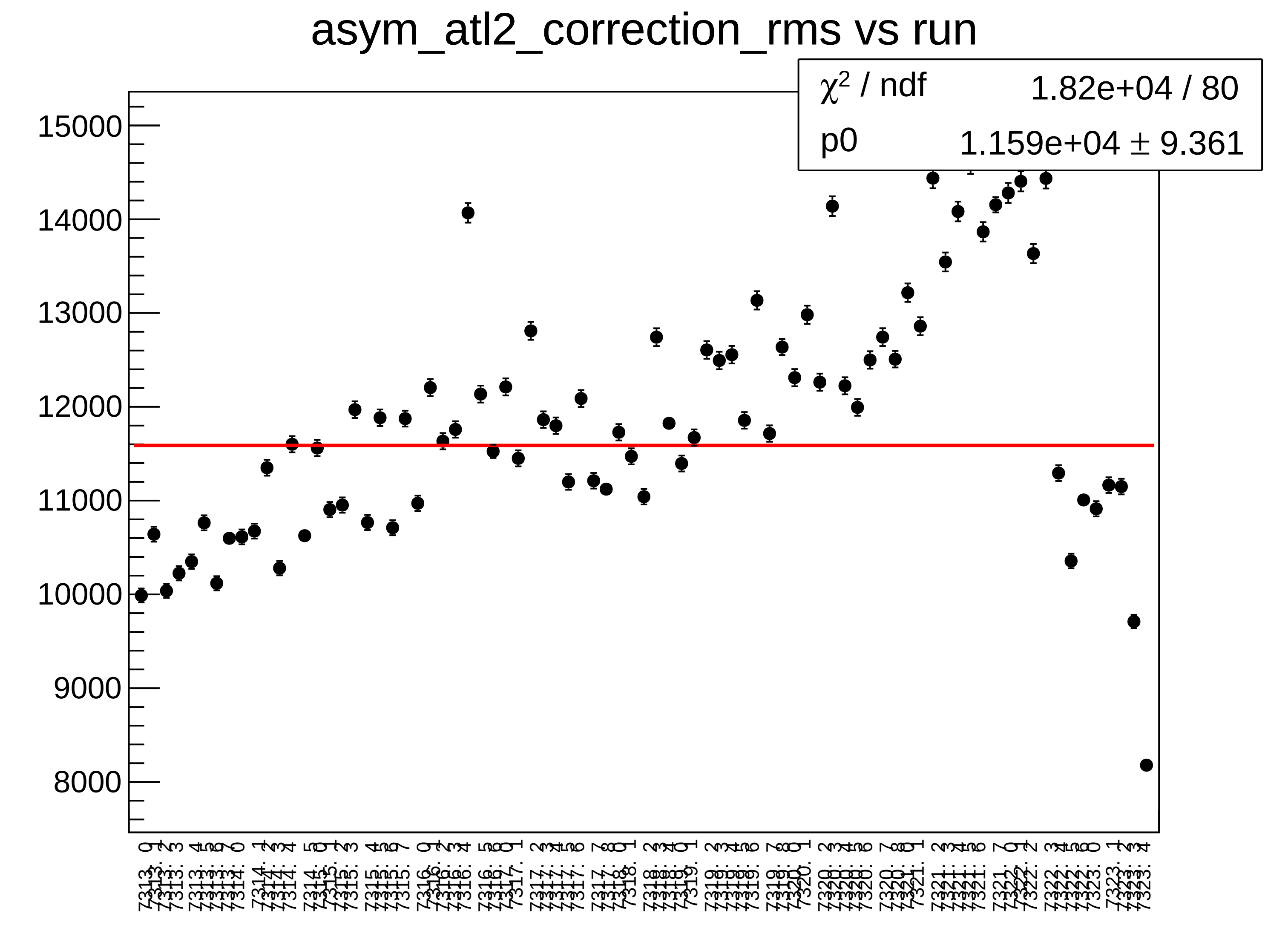

dit_asym_atl2_mean vs run
χ^2 / ndf 89.97 / 80
p0 2002 ± 2296
pull
Entries 81
Mean 2125
Std Dev 2081
pull1D
Entries 81
Mean 0.002478
Std Dev 1.054



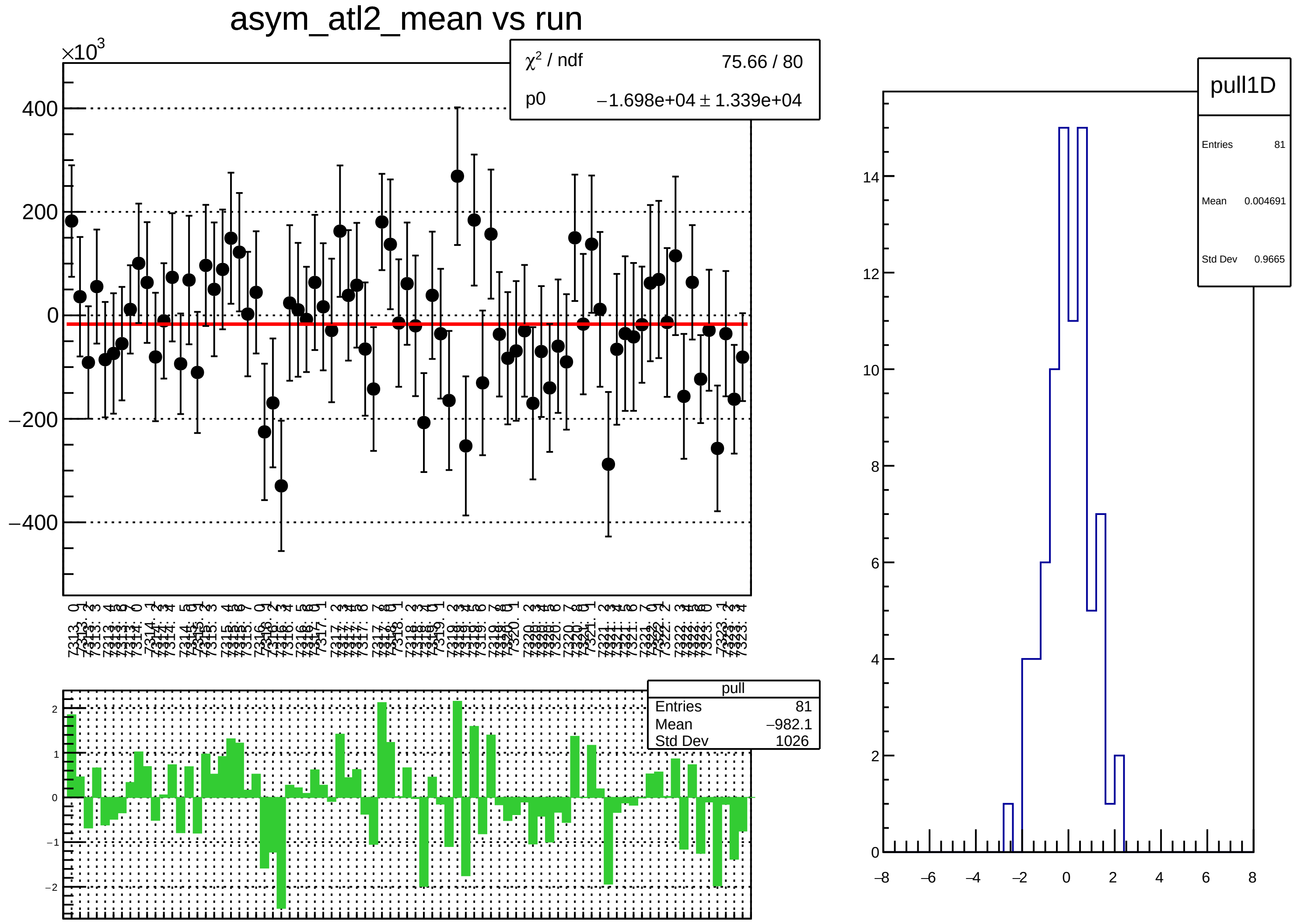
dit_asym_atl2_rms vs run
χ2 / ndf 2252 / 80
p0 2020 ± 1.623

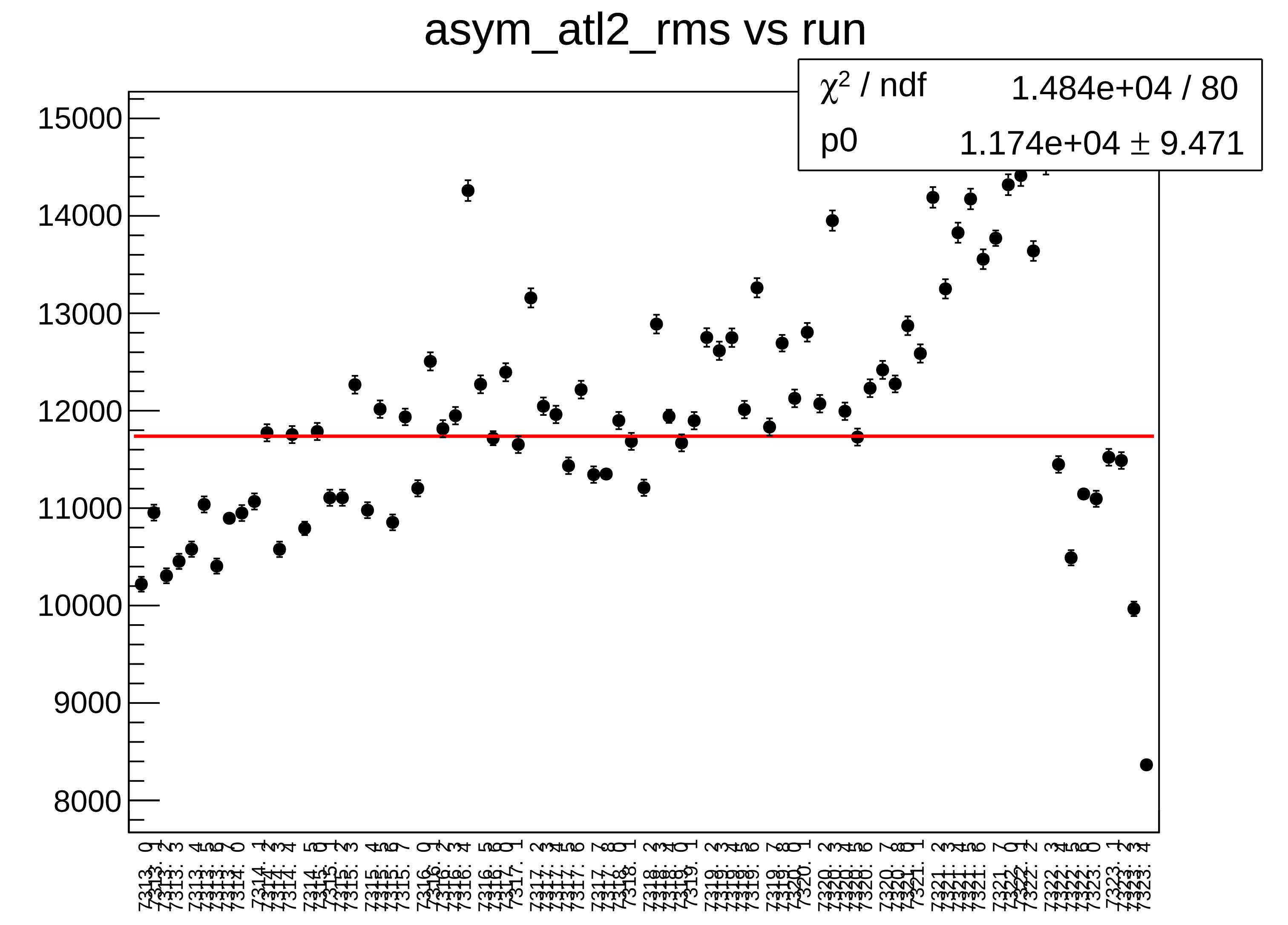


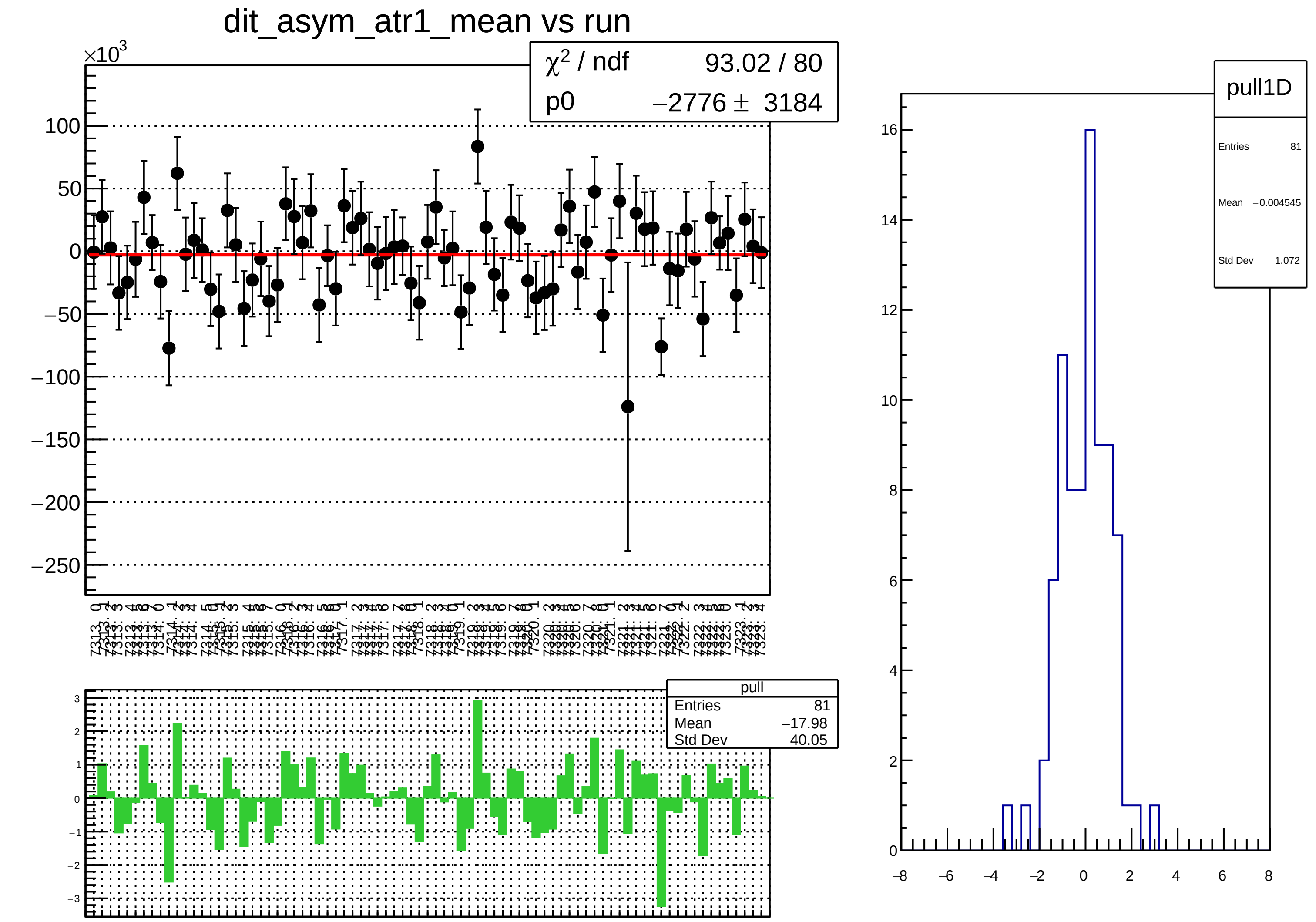
asym_atl2_correction_mean vs run
χ2 / ndf 76.89 / 80
p0 1.842e+04 ± 1.324e+04
pull
Entries 81
Mean −2532
Std Dev 2576
pull1D
Entries 81
Mean −0.002248
Std Dev 0.9743

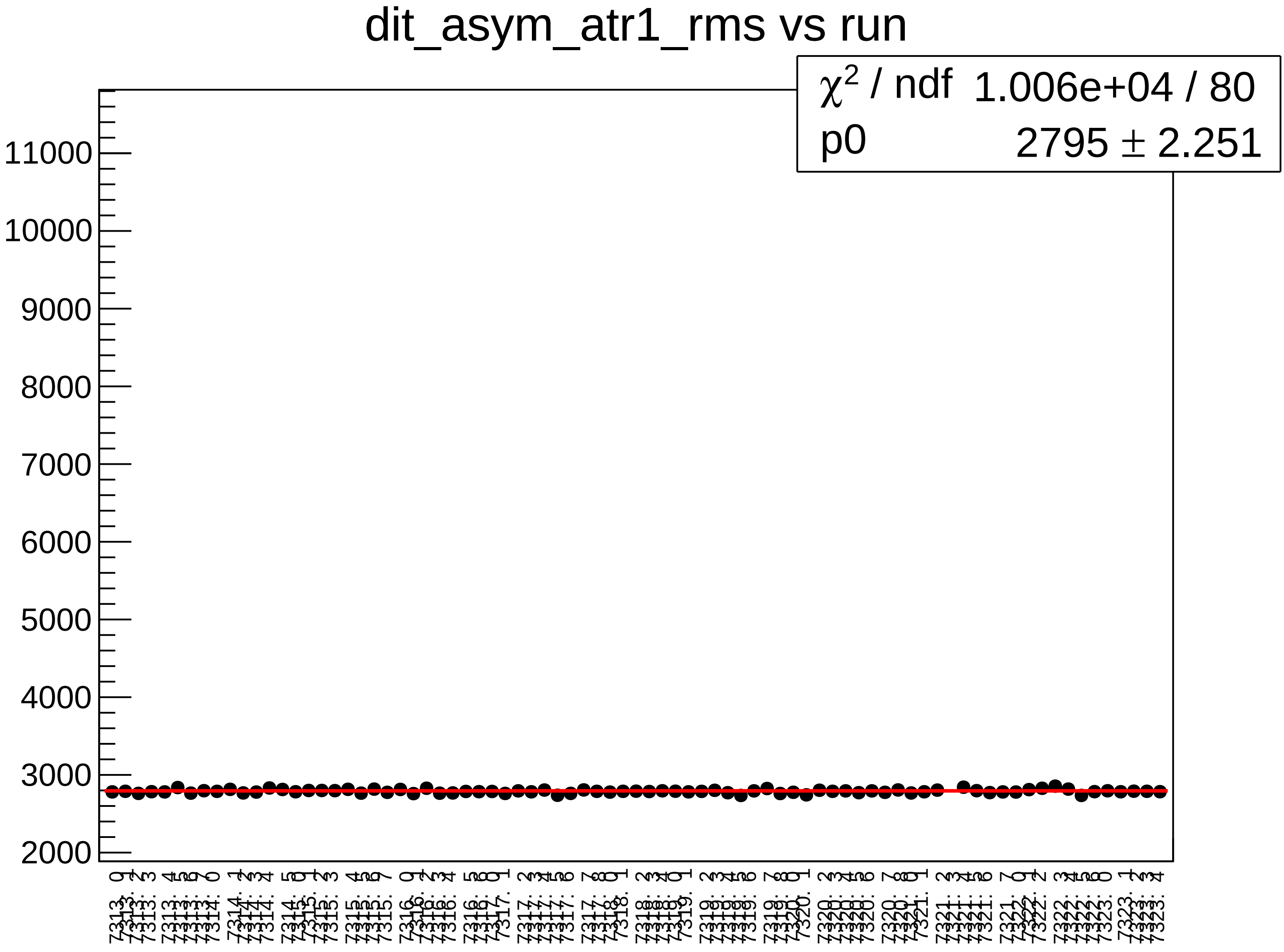


asym_atl2_correction_rms vs run
χ^2 / ndf 1.82e+04 / 80
p0 1.159e+04 ± 9.361
15000
14000
13000
12000
11000
10000
9000
8000

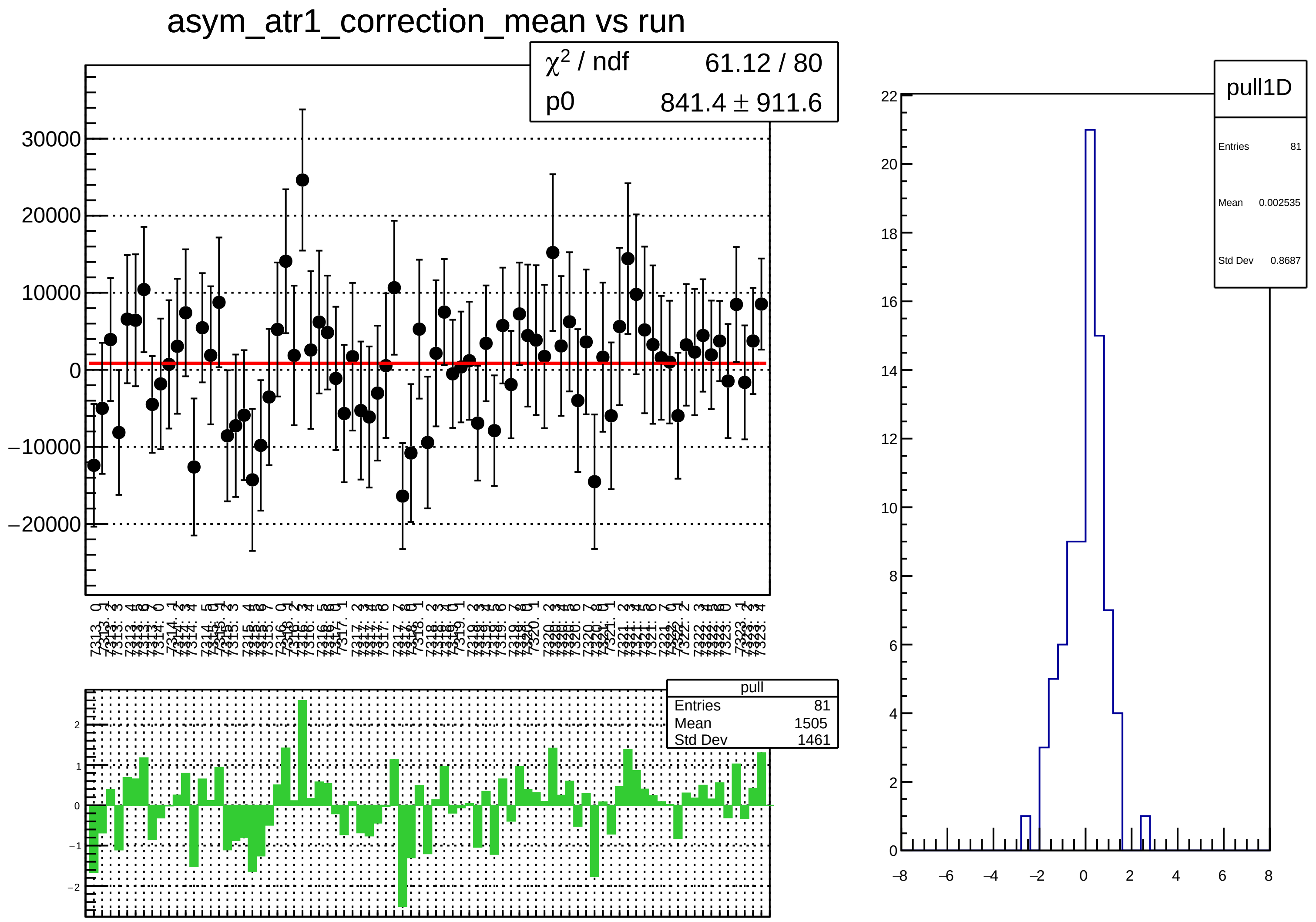

asym_atl2_mean vs run
×10^3
χ^2 / ndf 75.66 / 80
p0 −1.698e+04 ± 1.339e+04
400
200
0
−200
−400
pull
Entries 81
Mean −982.1
Std Dev 1026
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.004691
Std Dev 0.9665
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_rms vs run
χ2 / ndf 1.484e+04 / 80
p0 1.174e+04 ± 9.471
15000
14000
13000
12000
11000
10000
9000
8000

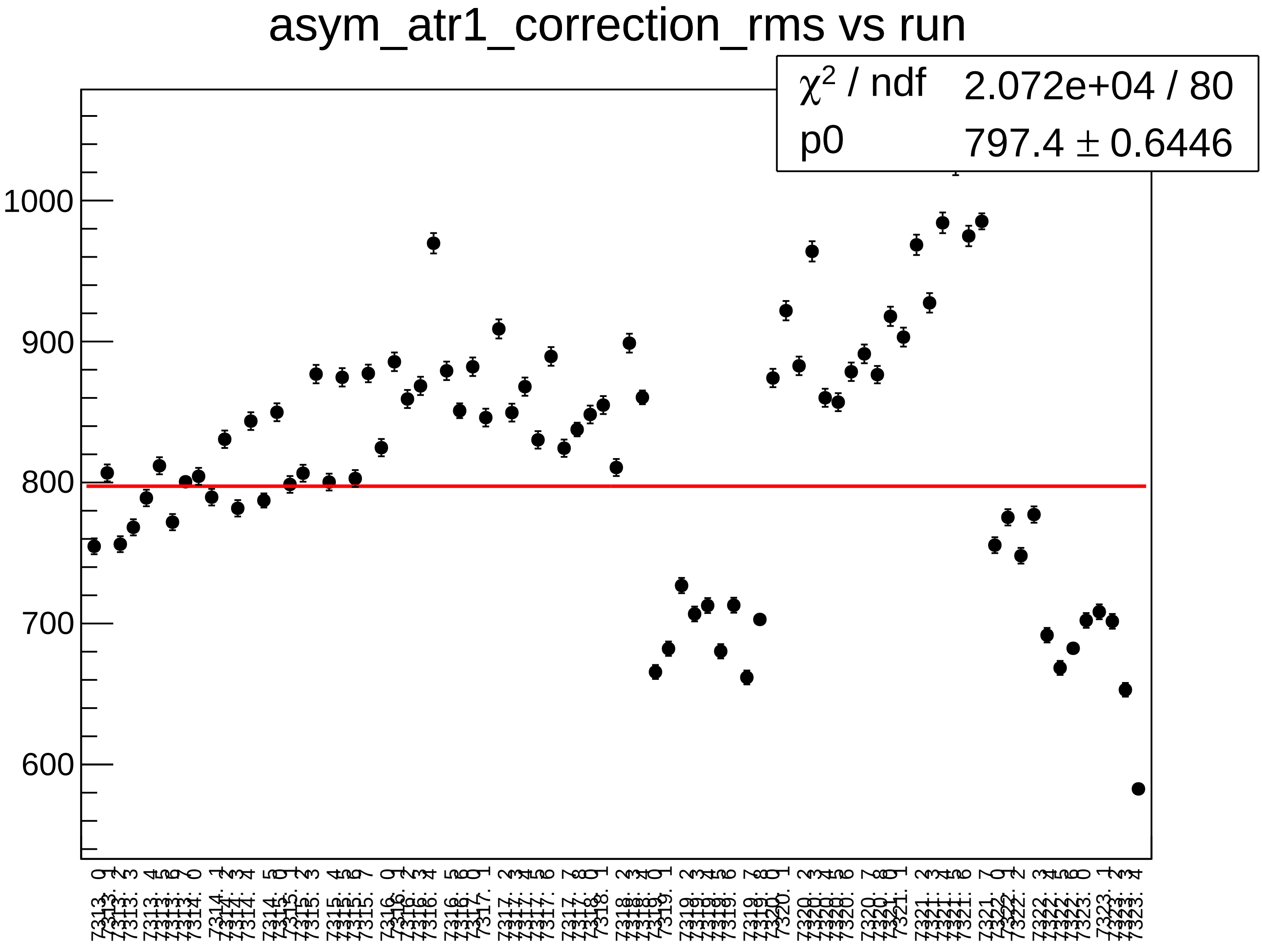

dit_asym_atr1_mean vs run
×10^3
χ2 / ndf 93.02 / 80
p0 −2776 ± 3184
100
50
0
−50
−100
−150
−200
−250
pull
Entries 81
Mean −17.98
Std Dev 40.05
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.004545
Std Dev 1.072
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



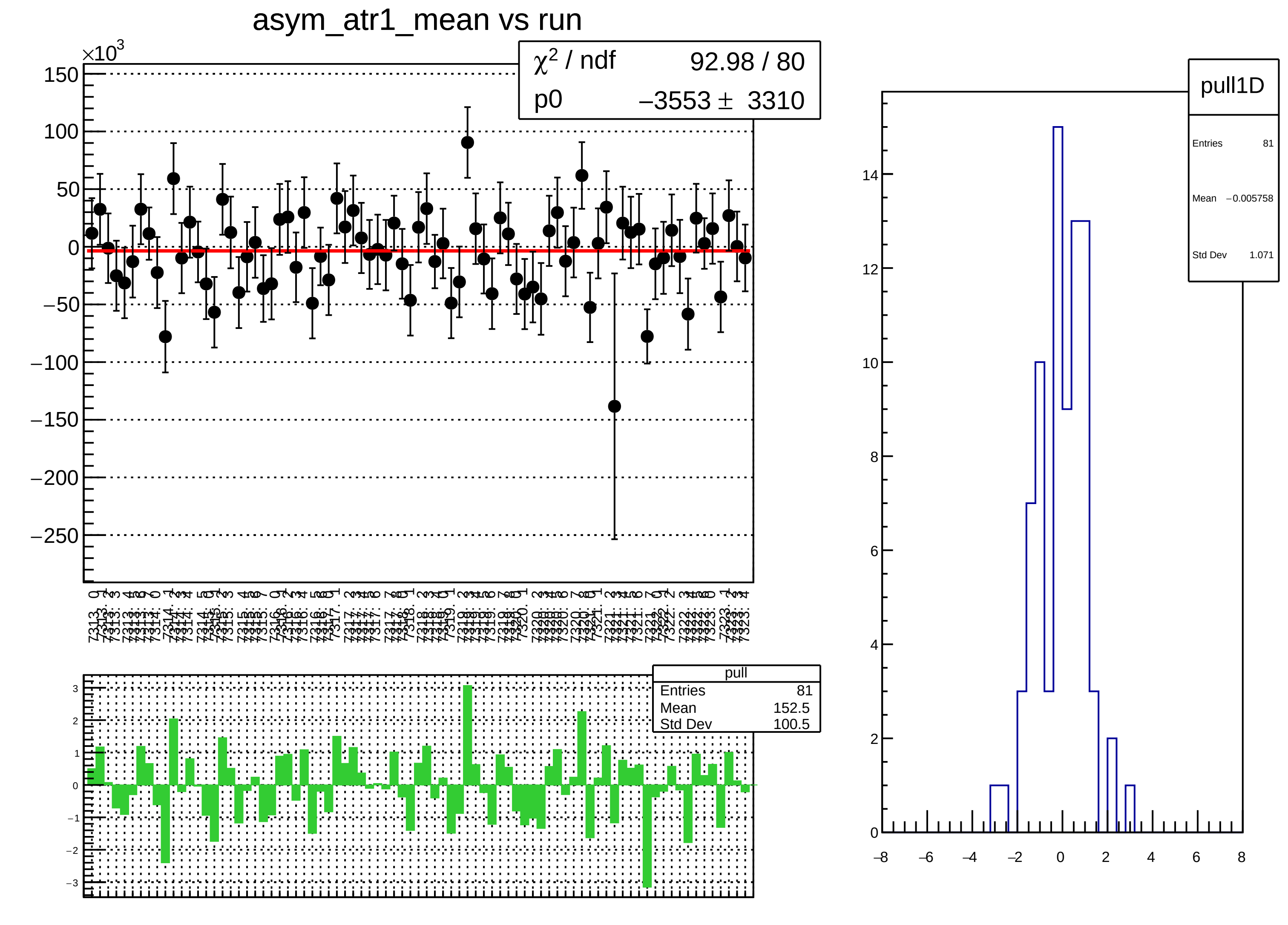
dit_asym_atr1_rms vs run
χ2 / ndf 1.006e+04 / 80
p0 2795 ± 2.251
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000



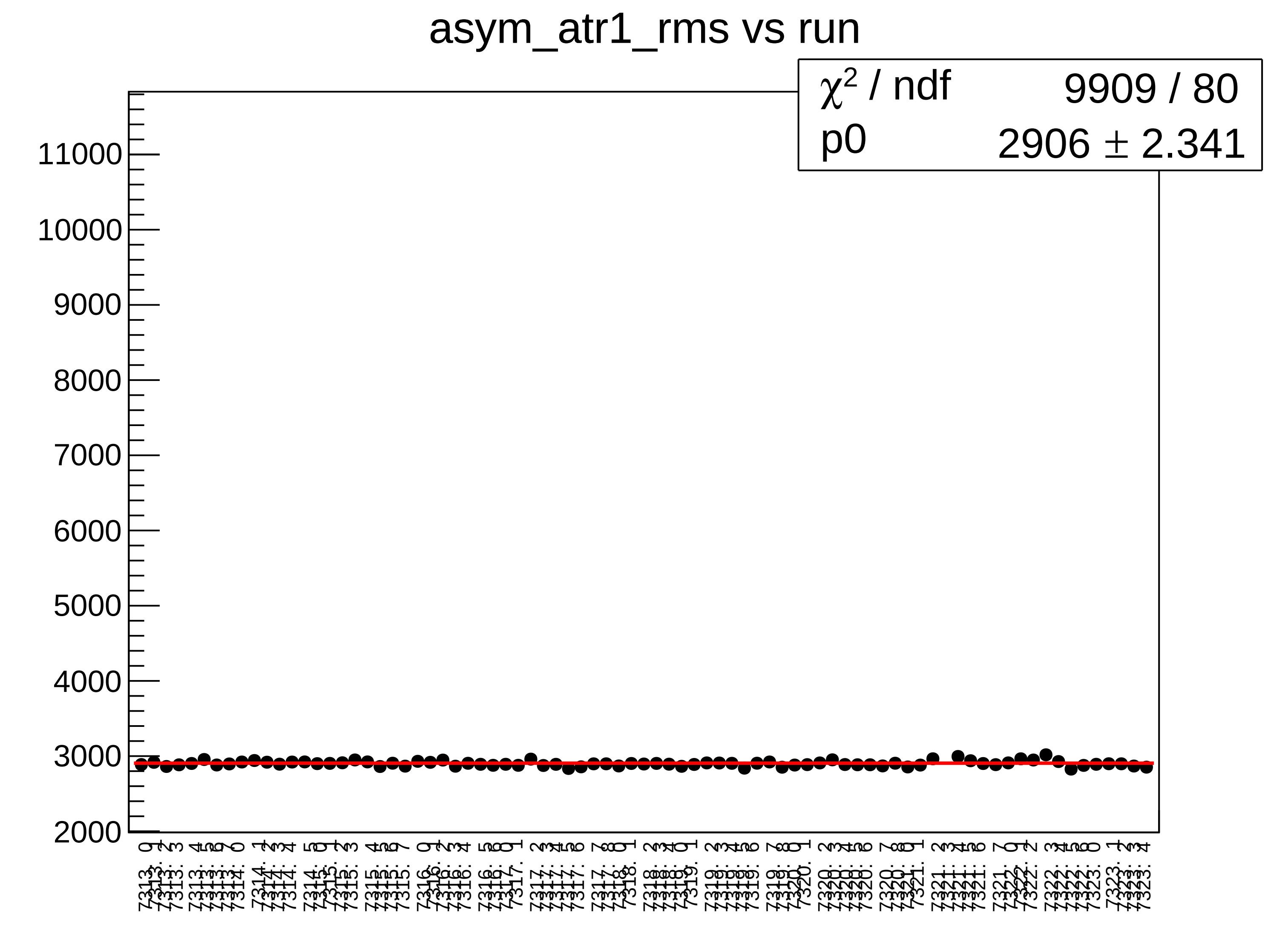
asym_atr1_correction_mean vs run
χ2 / ndf 61.12 / 80
p0 841.4 ± 911.6
pull
Entries 81
Mean 1505
Std Dev 1461
pull1D
Entries 81
Mean 0.002535
Std Dev 0.8687

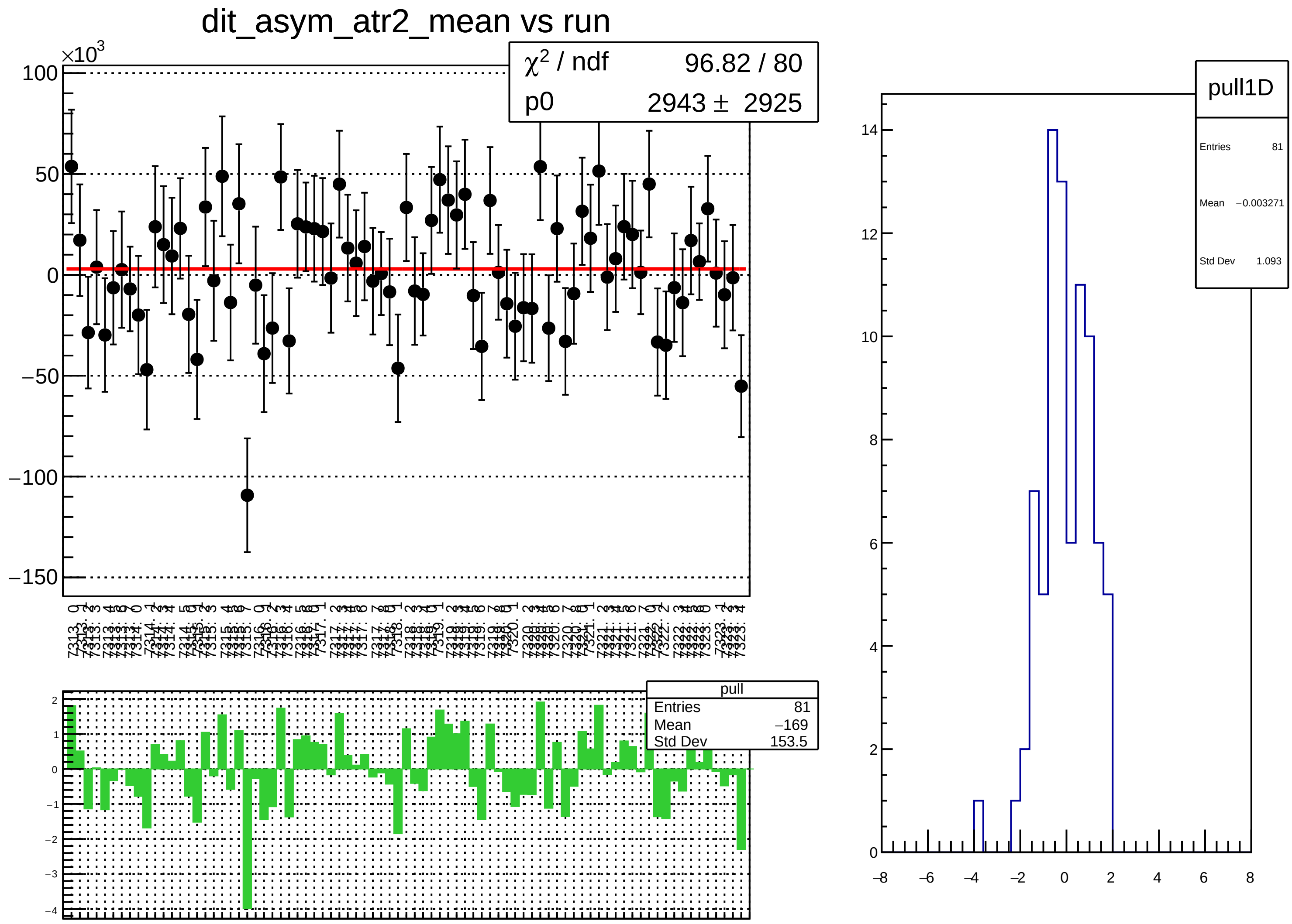


asym_atr1_correction_rms vs run
χ2 / ndf 2.072e+04 / 80
p0 797.4 ± 0.6446
1000
900
800
700
600

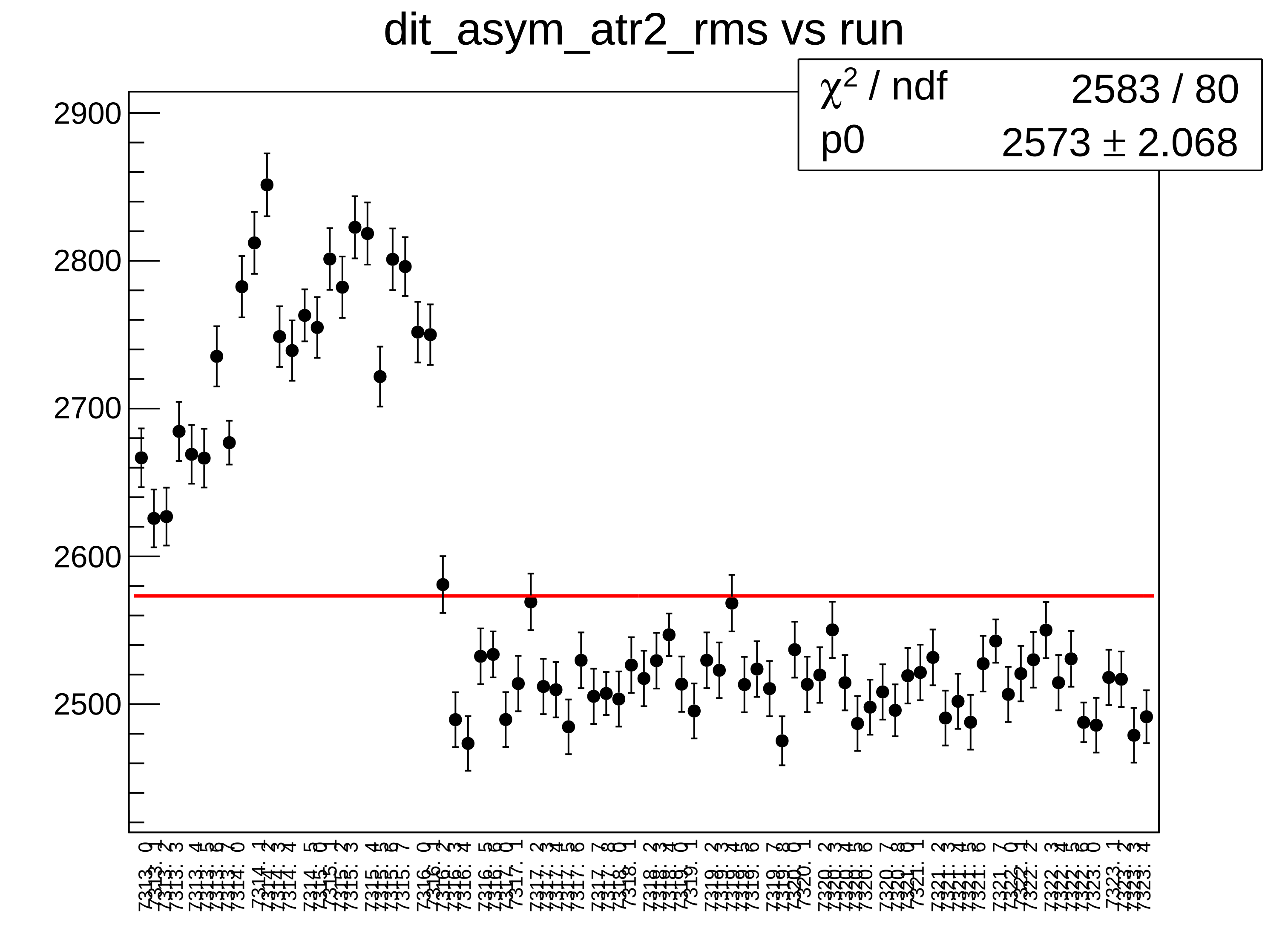


asym_atr1_mean vs run
×10^3
χ2 / ndf 92.98 / 80
p0 −3553 ± 3310
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 81
Mean 152.5
Std Dev 100.5
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.005758
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

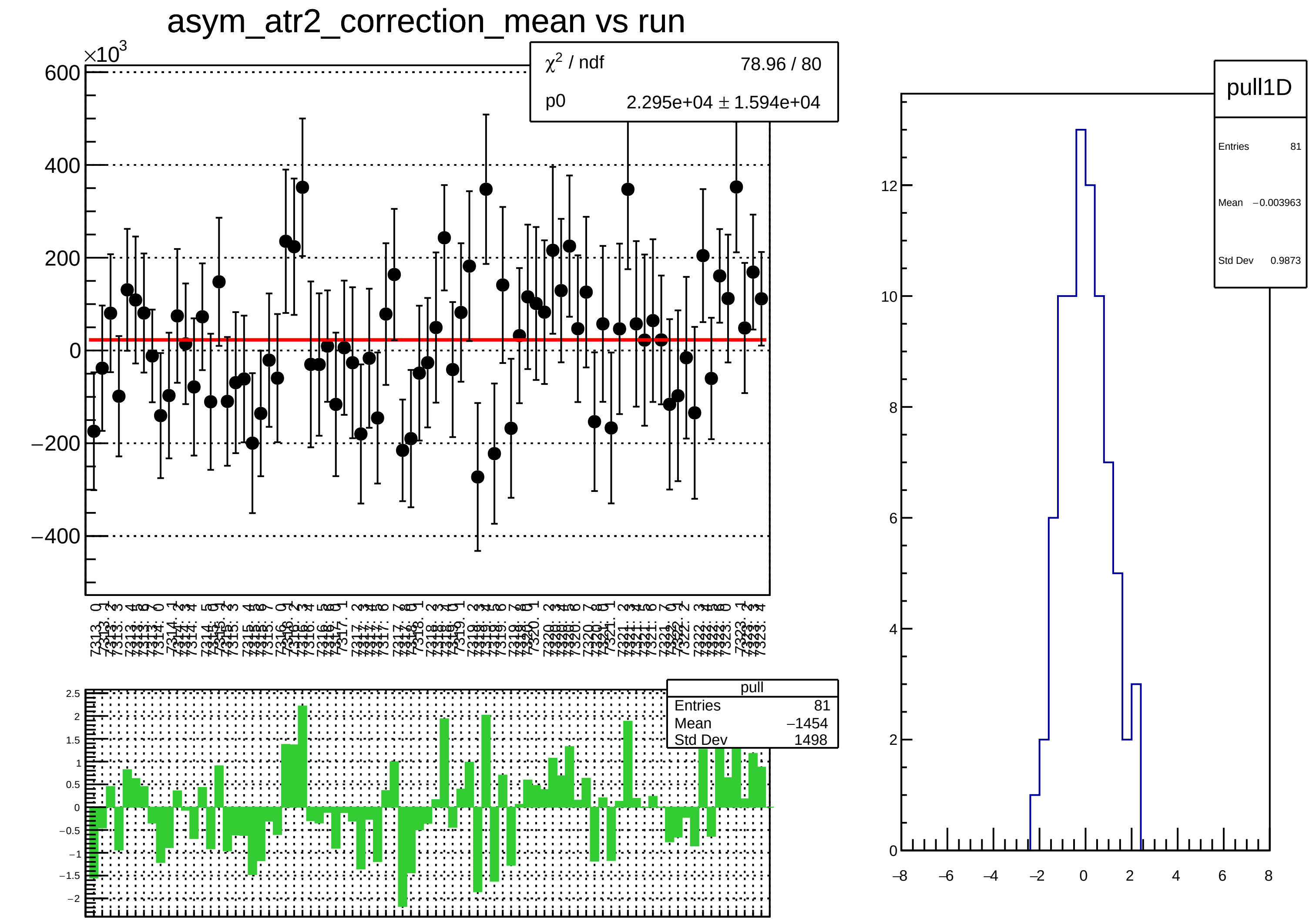

asym_atr1_rms vs run
χ² / ndf 9909 / 80
p0 2906 ± 2.341
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000



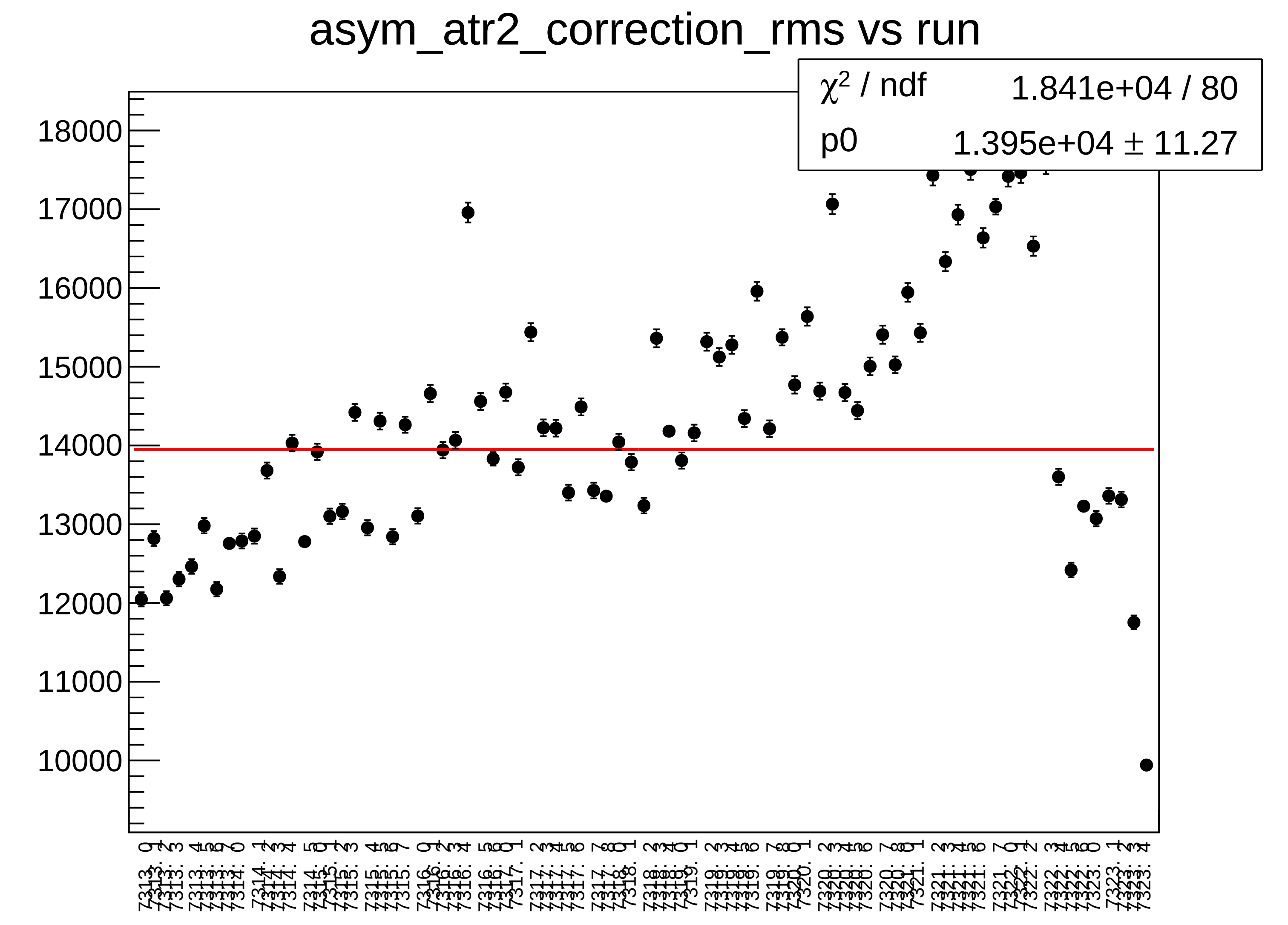
dit_asym_atr2_mean vs run
$\times10^3$
χ^2 / ndf 96.82 / 80
p0 2943 ± 2925
pull
Entries 81
Mean −169
Std Dev 153.5
pull1D
Entries 81
Mean −0.003271
Std Dev 1.093



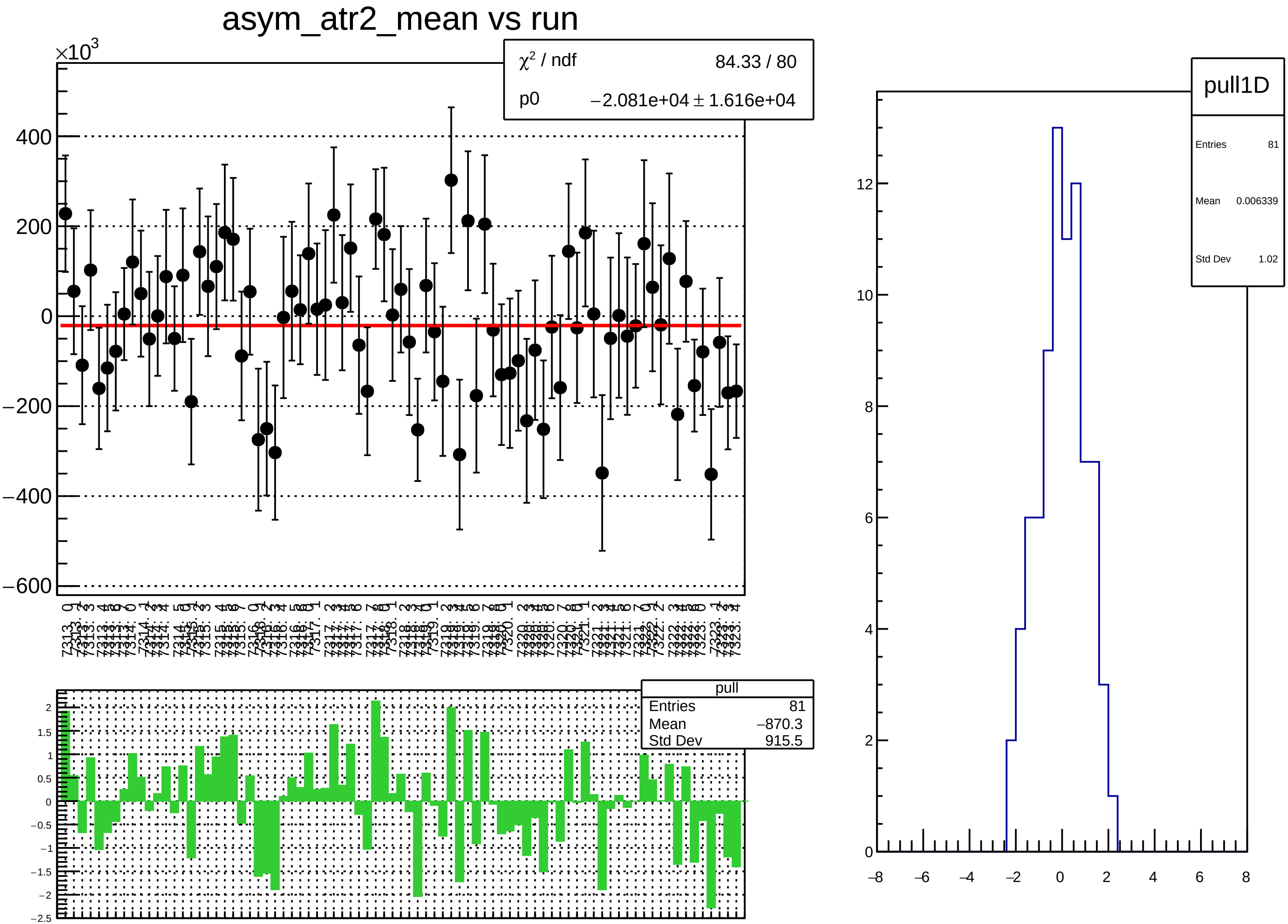
dit_asym_atr2_rms vs run
χ2 / ndf 2583 / 80
p0 2573 ± 2.068
2900
2800
2700
2600
2500



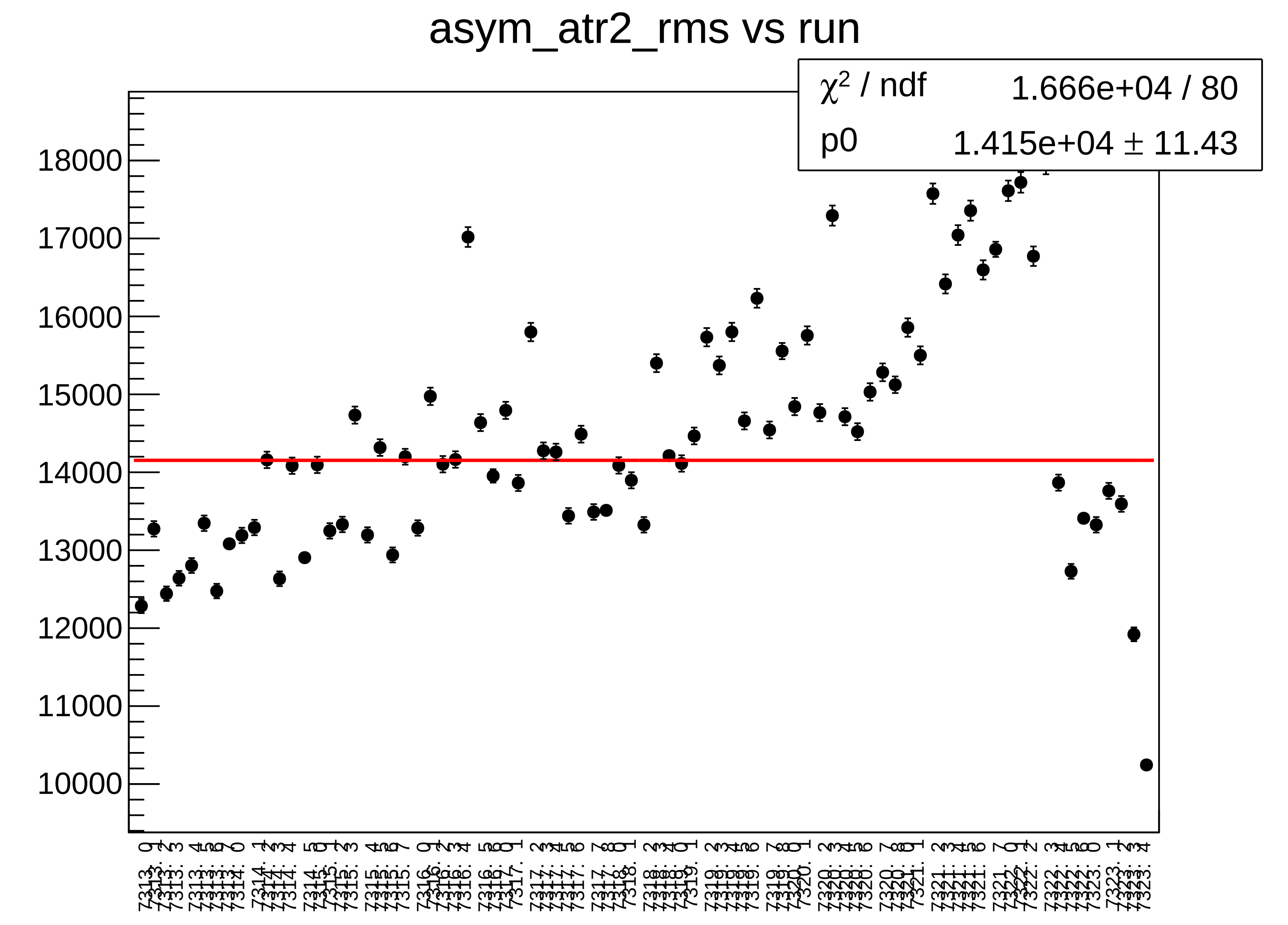
asym_atr2_correction_mean vs run
χ^2 / ndf 78.96 / 80
p0 2.295e+04 ± 1.594e+04
×10^3
pull
Entries 81
Mean −1454
Std Dev 1498
pull1D
Entries 81
Mean −0.003963
Std Dev 0.9873



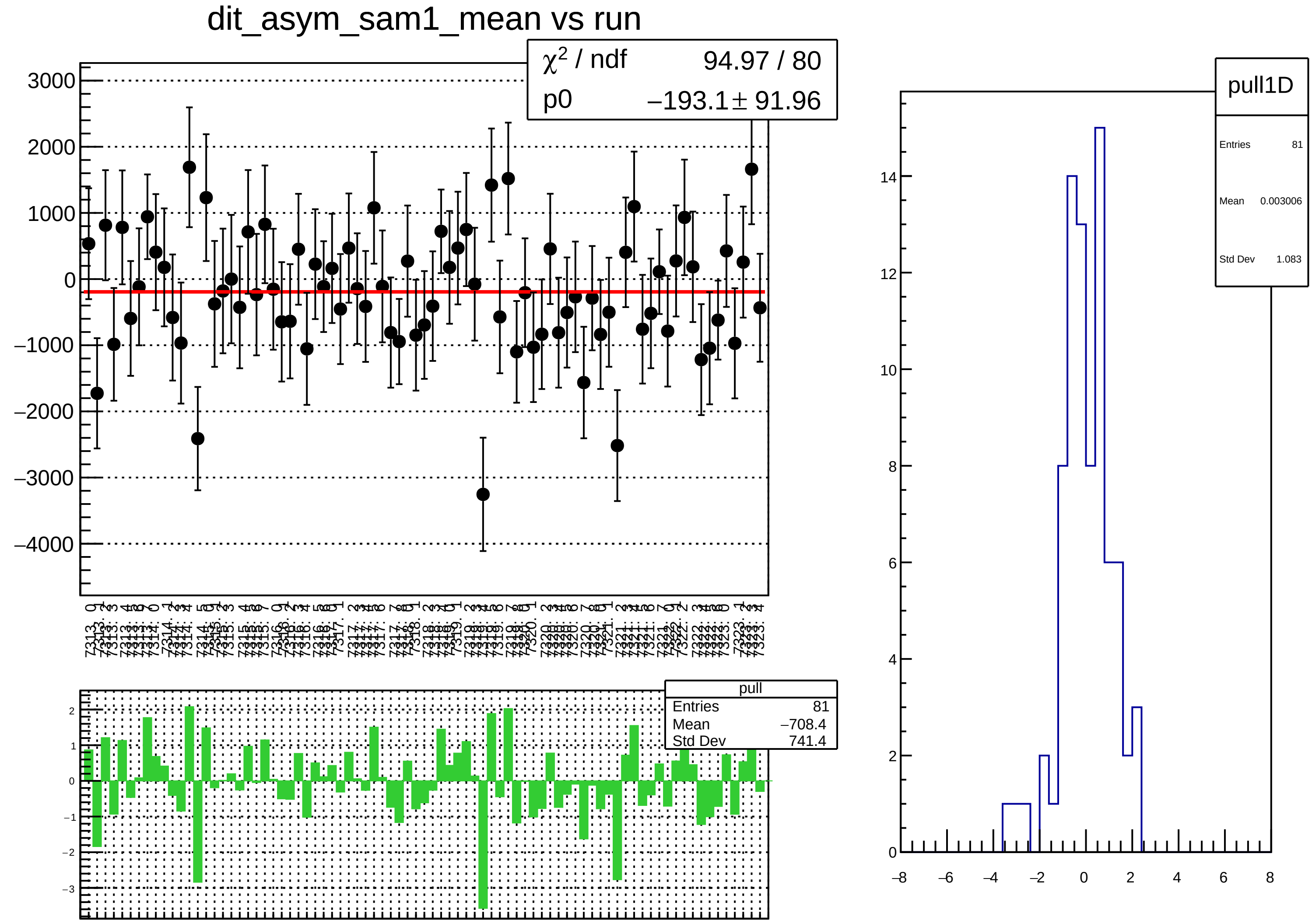
asym_atr2_correction_rms vs run
χ2 / ndf 1.841e+04 / 80
p0 1.395e+04 ± 11.27
18000
17000
16000
15000
14000
13000
12000
11000
10000



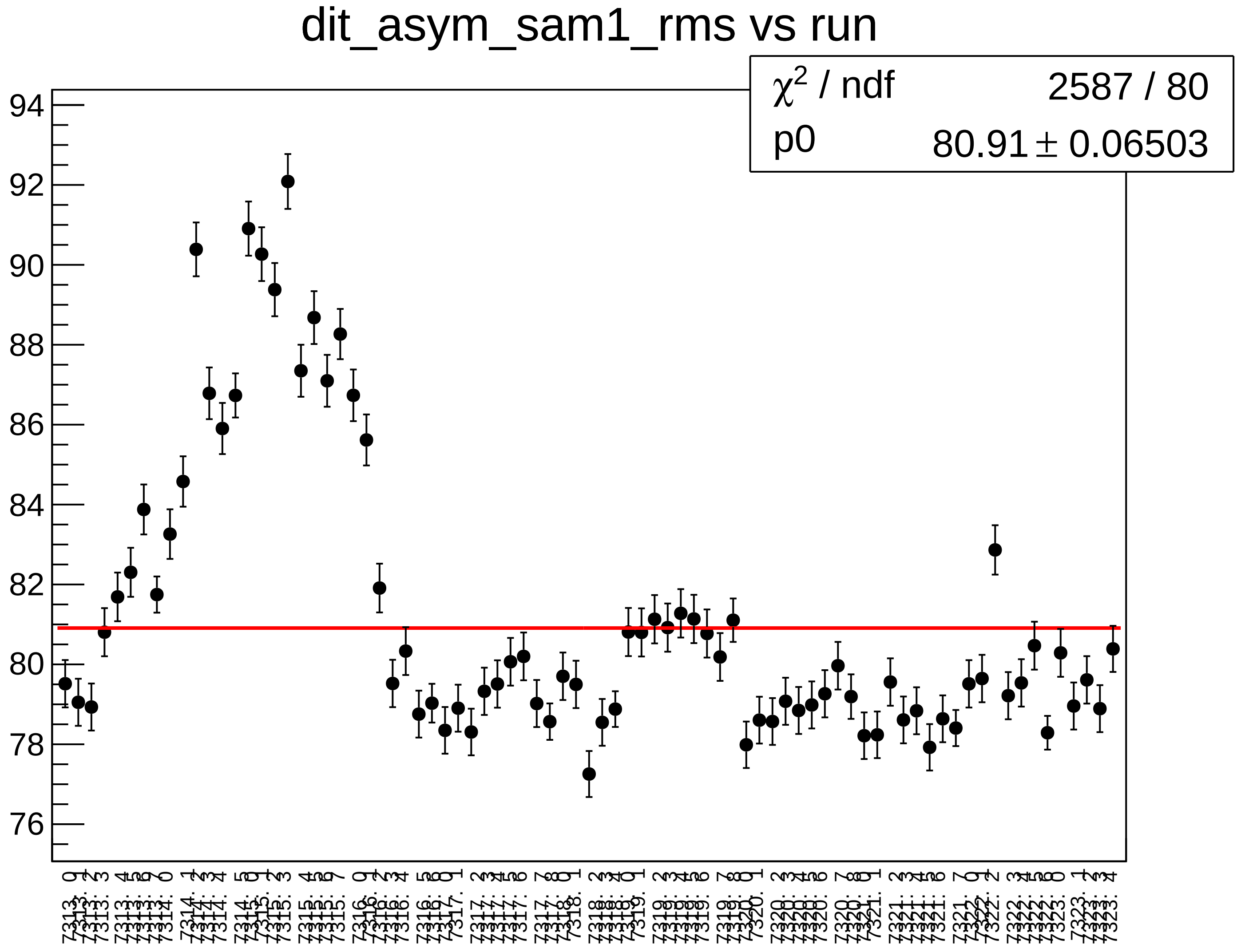
asym_atr2_mean vs run
χ2 / ndf 84.33 / 80
p0 −2.081e+04 ± 1.616e+04
×10^3
400
200
0
−200
−400
−600
pull
Entries 81
Mean −870.3
Std Dev 915.5
pull1D
Entries 81
Mean 0.006339
Std Dev 1.02

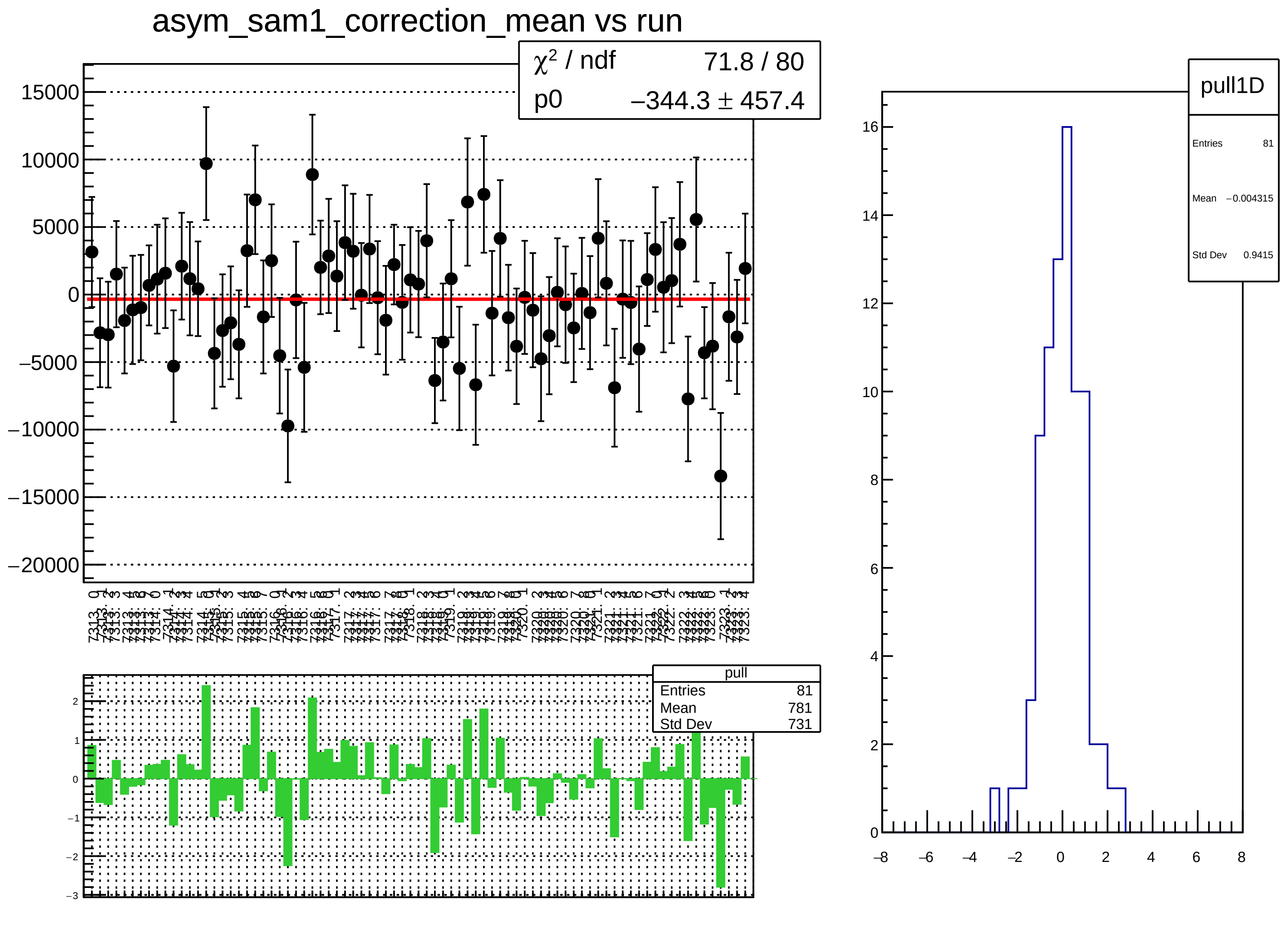


asym_atr2_rms vs run
χ^2 / ndf 1.666e+04 / 80
p0 1.415e+04 ± 11.43
18000
17000
16000
15000
14000
13000
12000
11000
10000

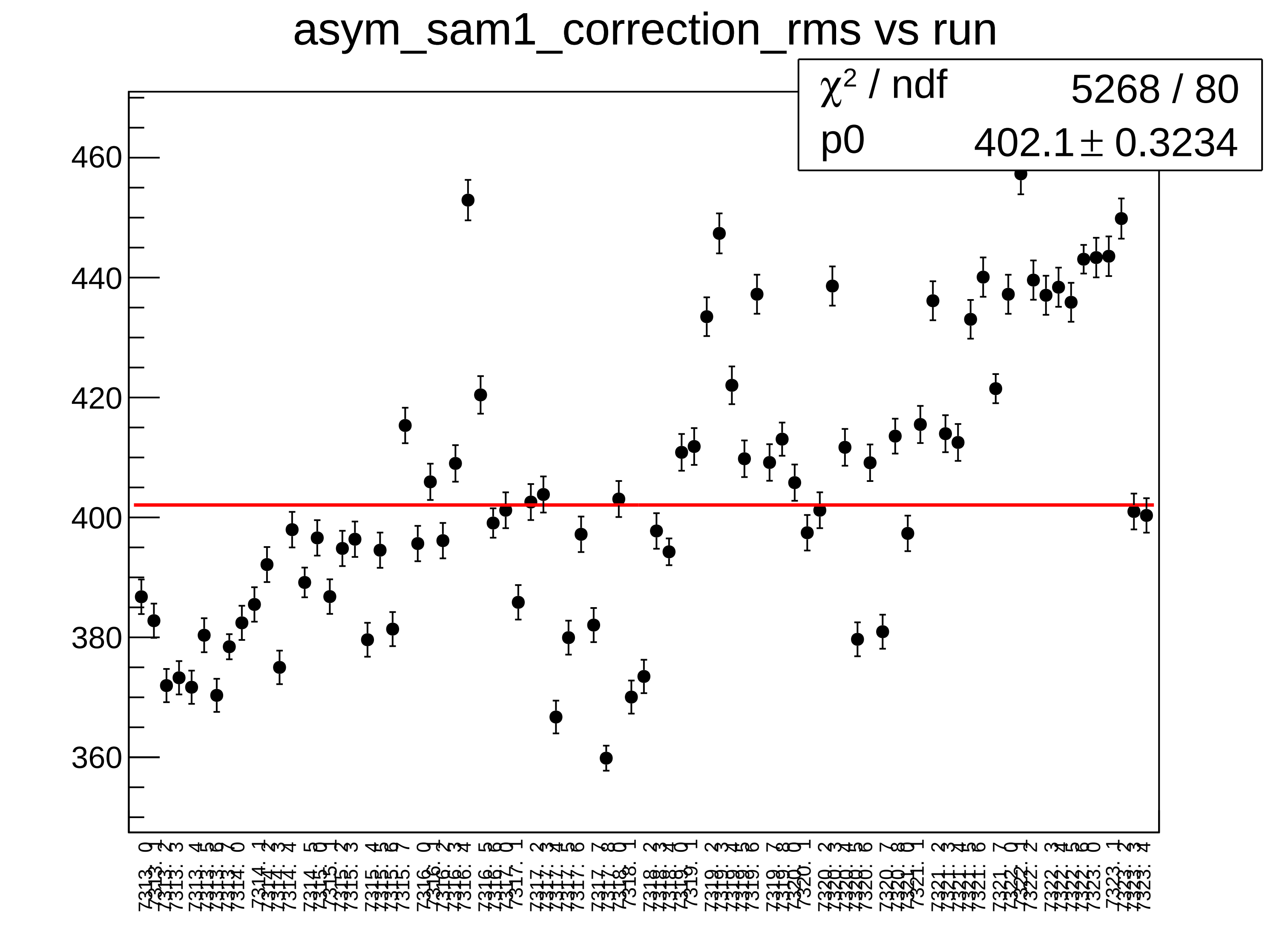


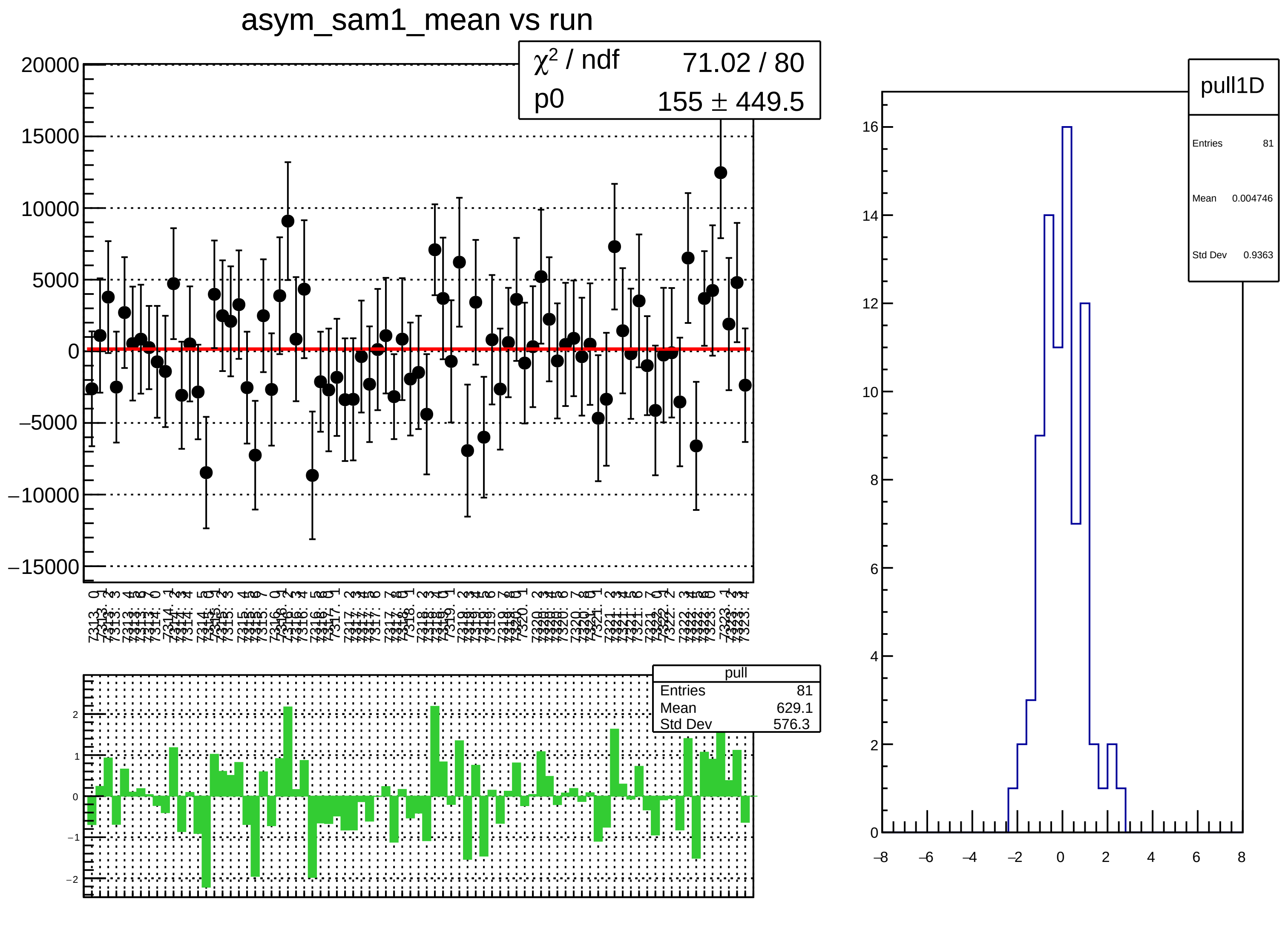
dit_asym_sam1_mean vs run
χ^2 / ndf 94.97 / 80
p0 −193.1 ± 91.96
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 81
Mean −708.4
Std Dev 741.4
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.003006
Std Dev 1.083
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam1_rms vs run
χ^2 / ndf 2587 / 80
p0 80.91 ± 0.06503
94
92
90
88
86
84
82
80
78
76

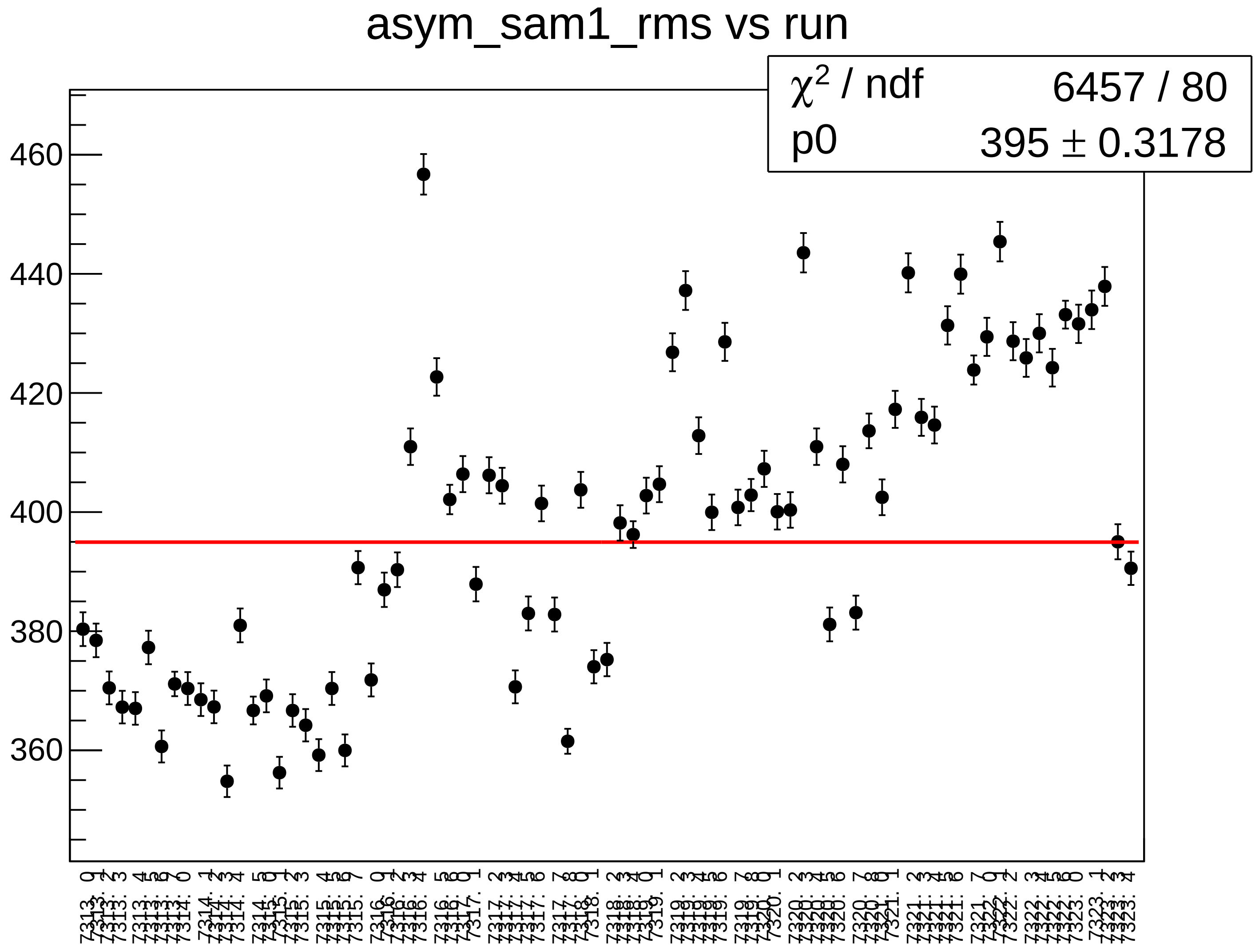


asym_sam1_correction_mean vs run
χ² / ndf 71.8 / 80
p0 −344.3 ± 457.4
pull
Entries 81
Mean 781
Std Dev 731
pull1D
Entries 81
Mean −0.004315
Std Dev 0.9415

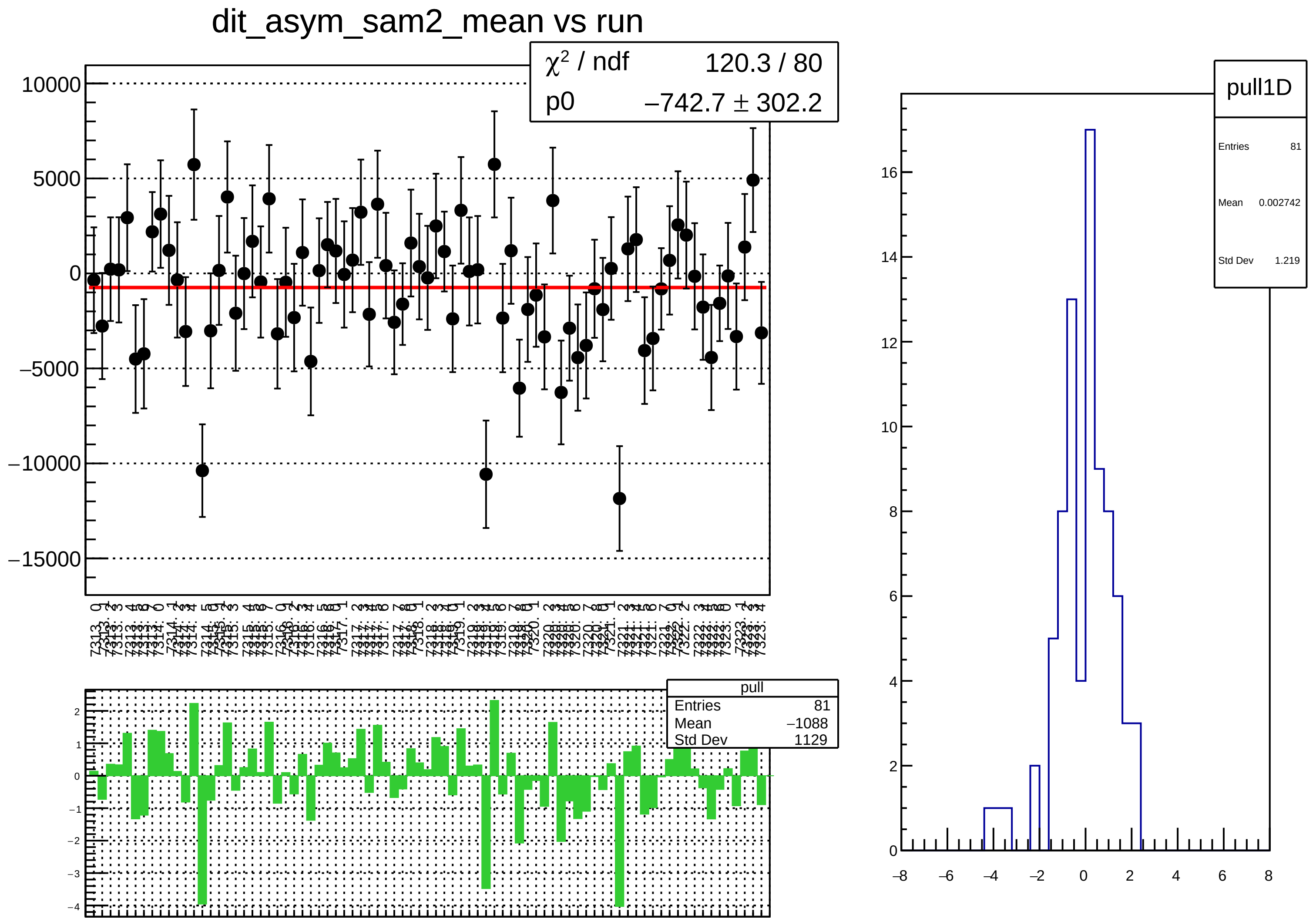

asym_sam1_correction_rms vs run
χ2 / ndf 5268 / 80
p0 402.1 ± 0.3234
460
440
420
400
380
360



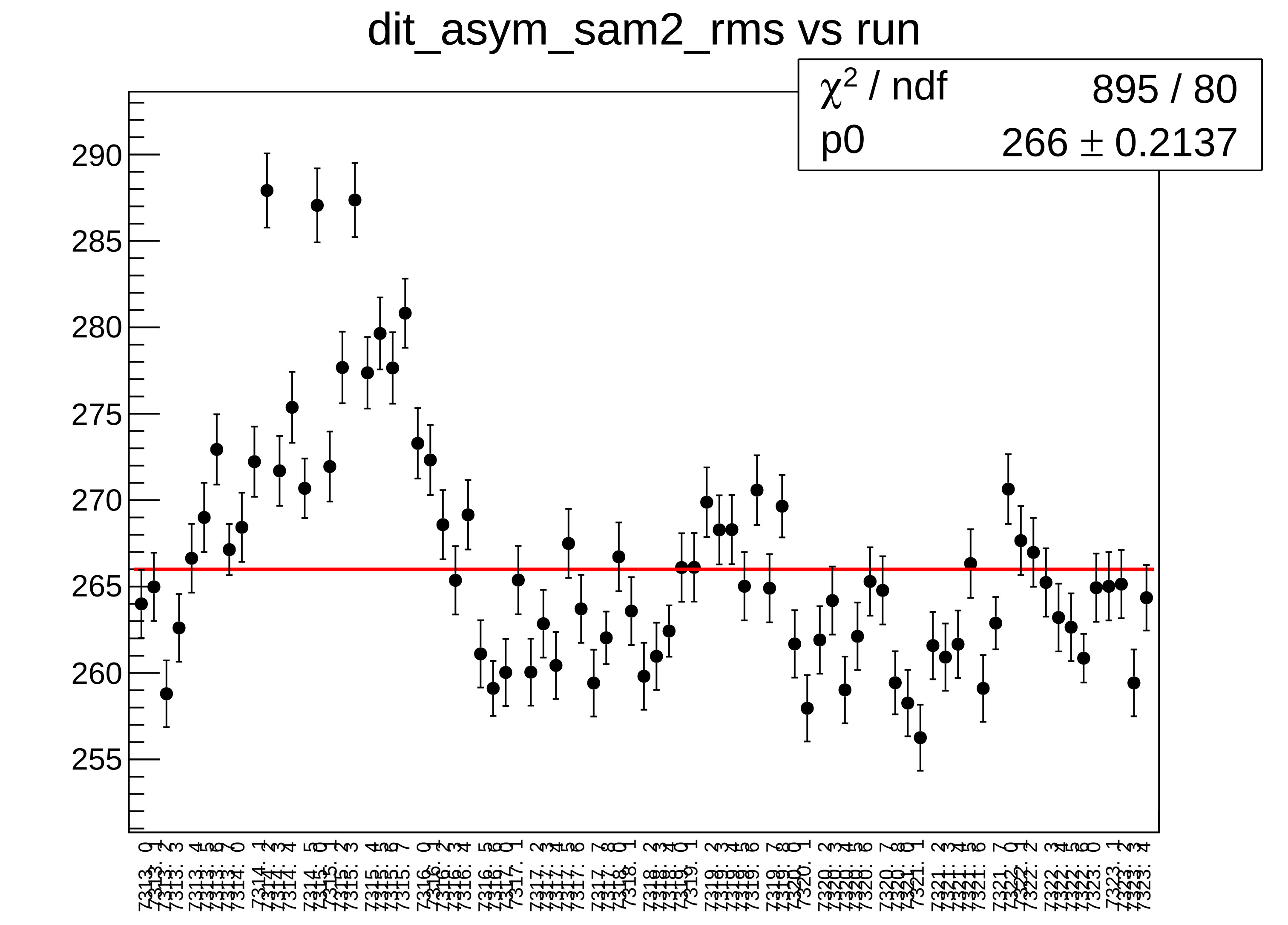
asym_sam1_mean vs run
χ^2 / ndf 71.02 / 80
p0 155 ± 449.5
pull
Entries 81
Mean 629.1
Std Dev 576.3
pull1D
Entries 81
Mean 0.004746
Std Dev 0.9363



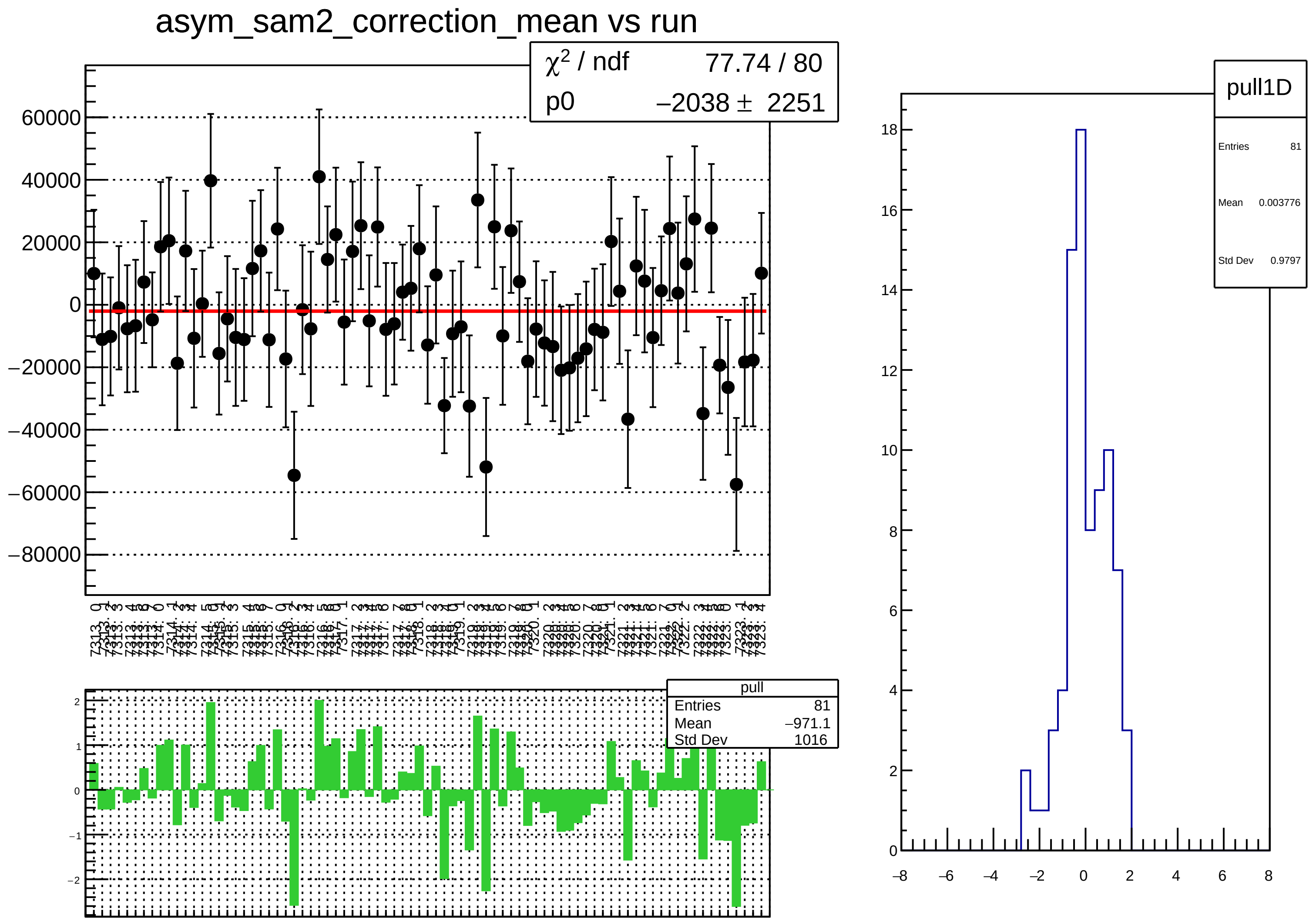
asym_sam1_rms vs run
χ2 / ndf 6457 / 80
p0 395 ± 0.3178
460
440
420
400
380
360



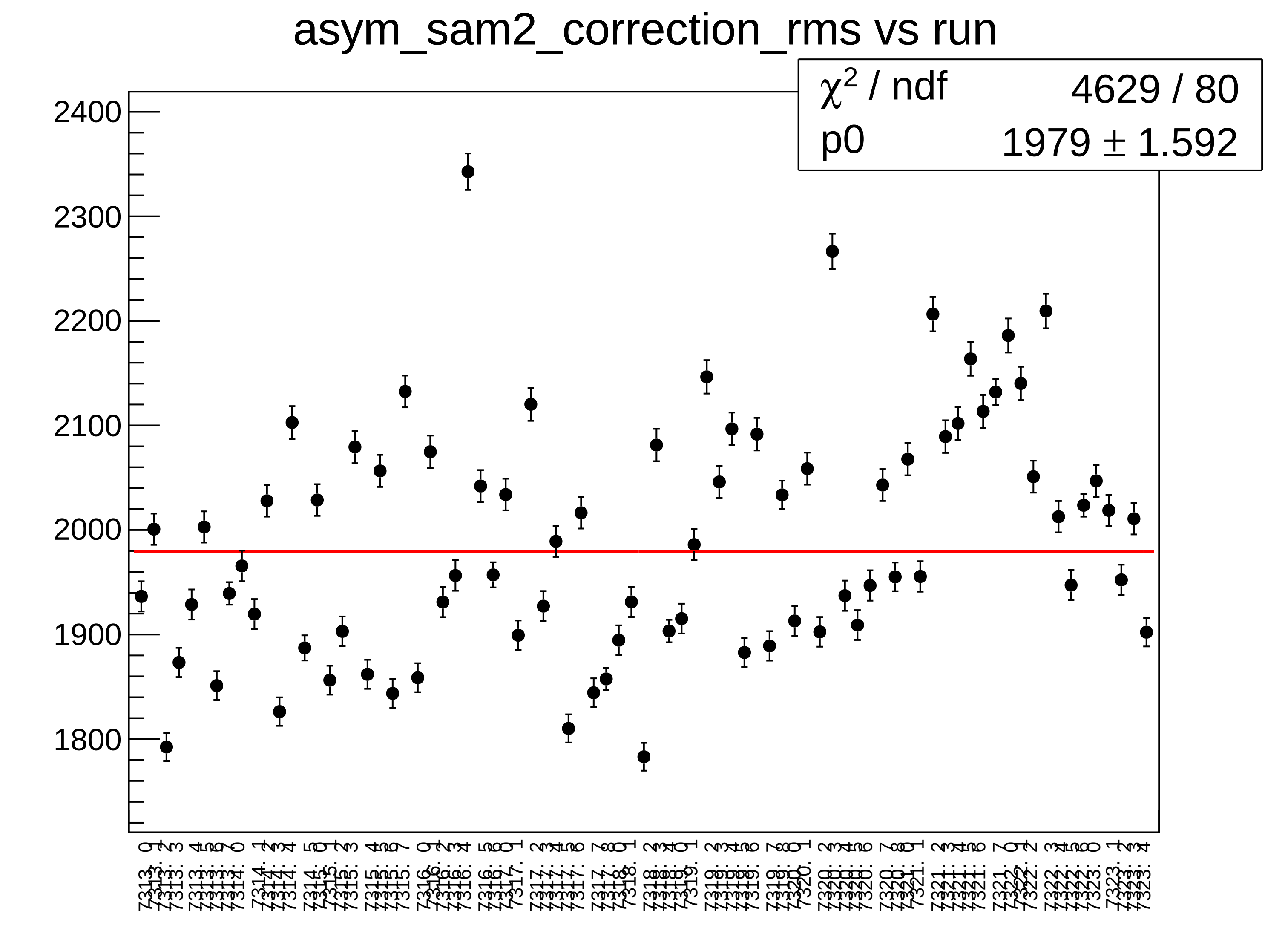
dit_asym_sam2_mean vs run
χ^2 / ndf 120.3 / 80
p0 −742.7 ± 302.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −1088
Std Dev 1129
pull1D
Entries 81
Mean 0.002742
Std Dev 1.219

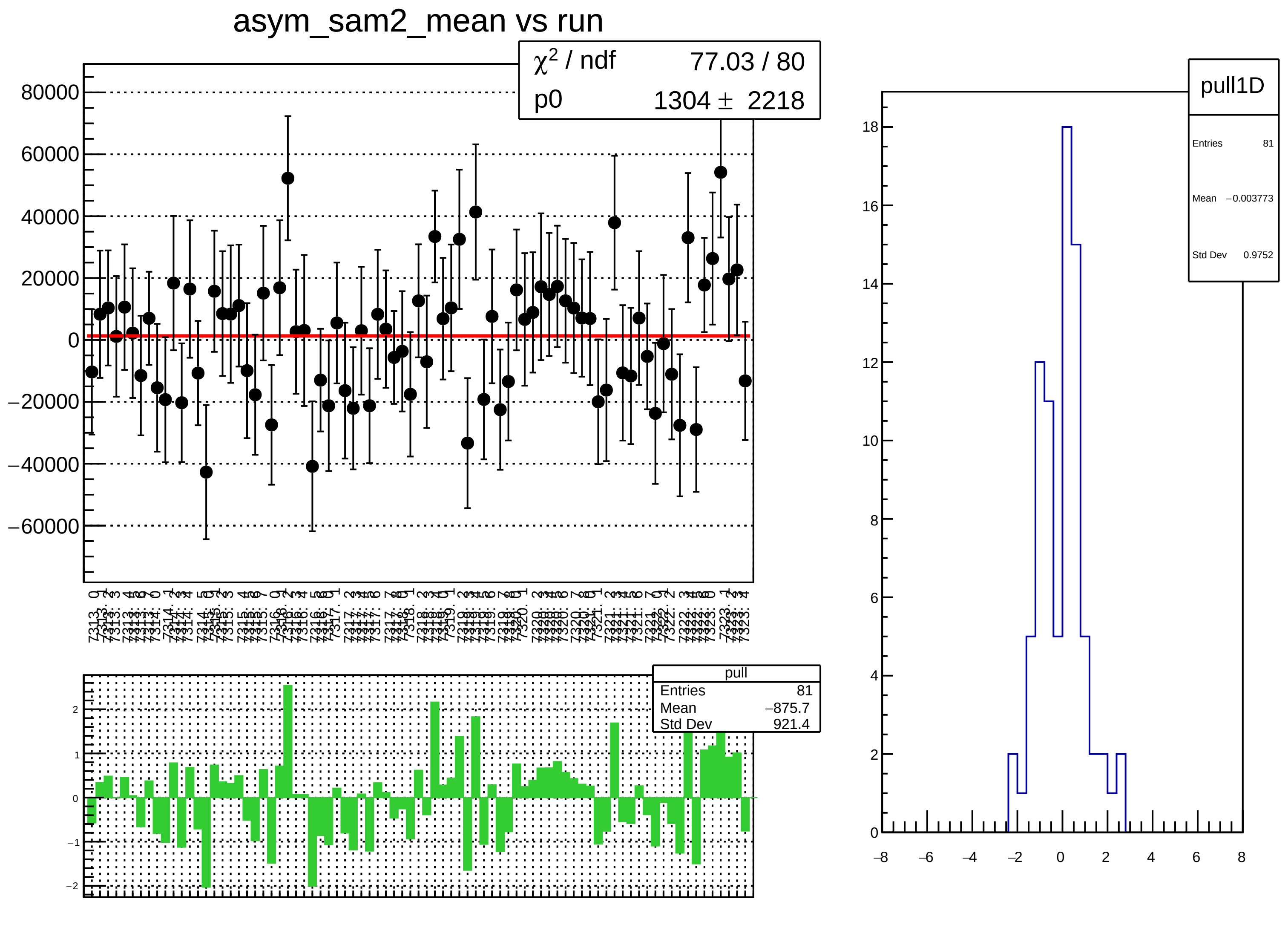


dit_asym_sam2_rms vs run
χ^2 / ndf 895 / 80
p0 266 ± 0.2137
290
285
280
275
270
265
260
255

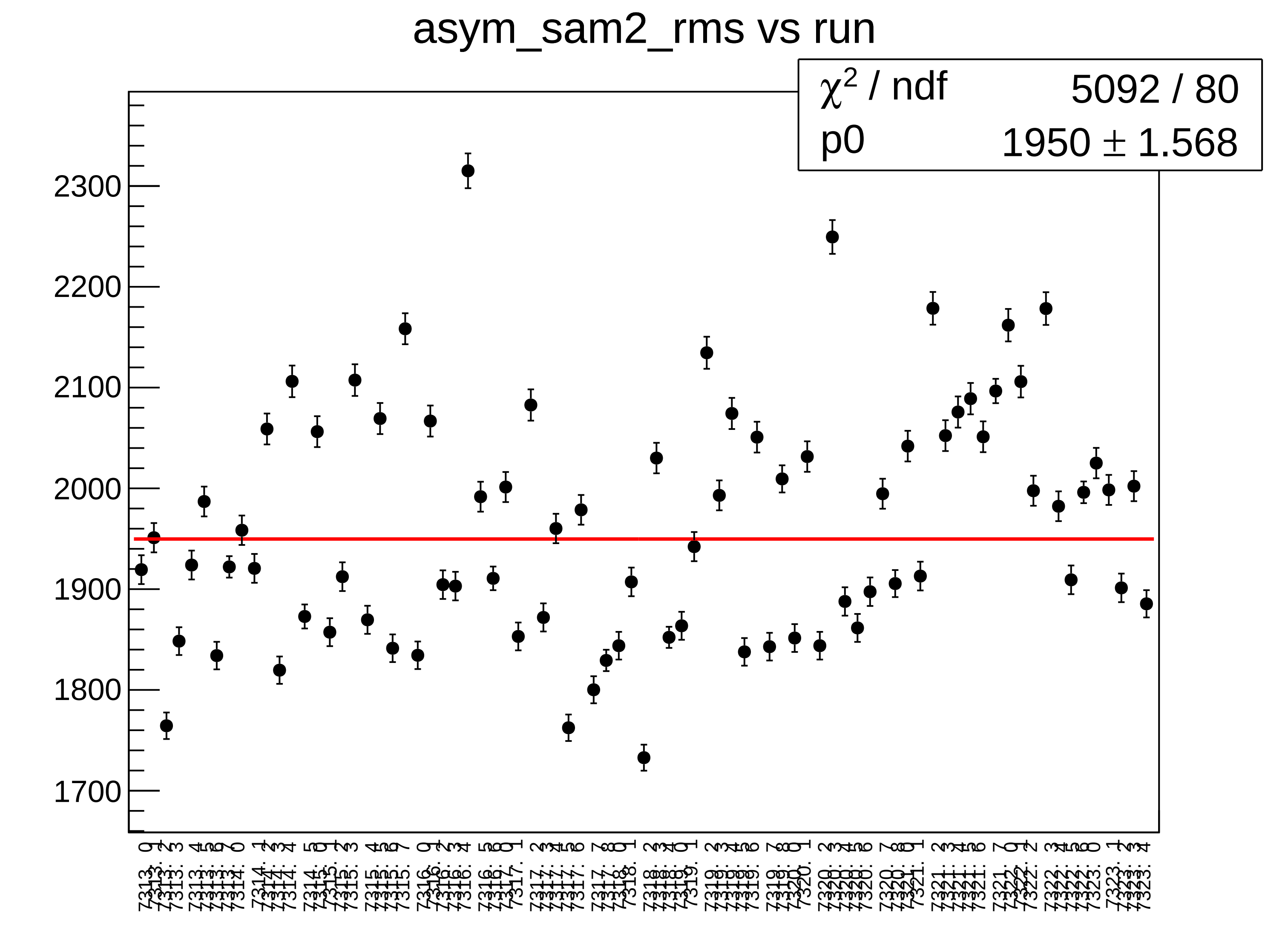


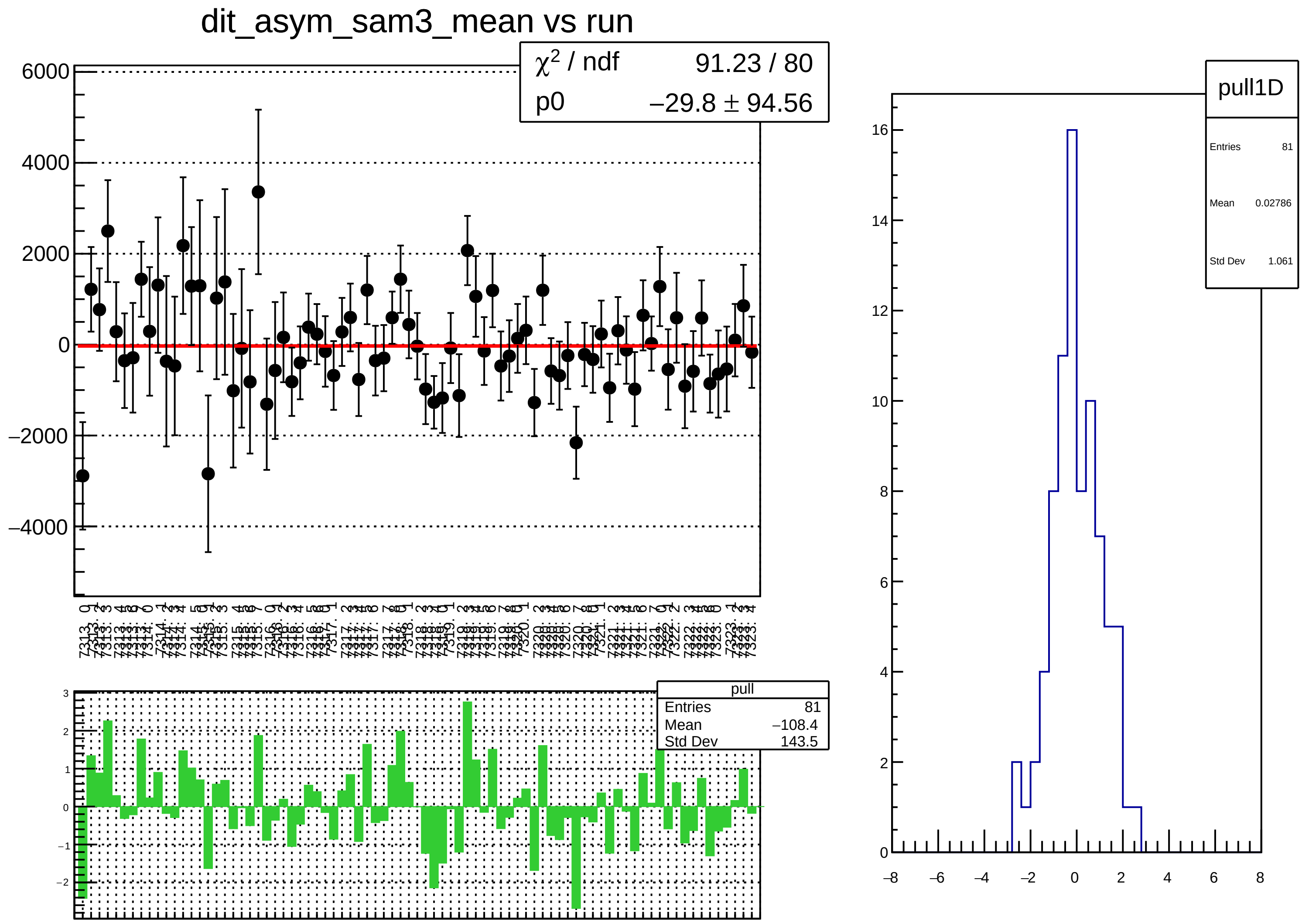
asym_sam2_correction_mean vs run
χ^2 / ndf 77.74 / 80
p0 −2038 ± 2251
pull
Entries 81
Mean −971.1
Std Dev 1016
pull1D
Entries 81
Mean 0.003776
Std Dev 0.9797


asym_sam2_correction_rms vs run
χ^2 / ndf 4629 / 80
p0 1979 ± 1.592
2400
2300
2200
2100
2000
1900
1800

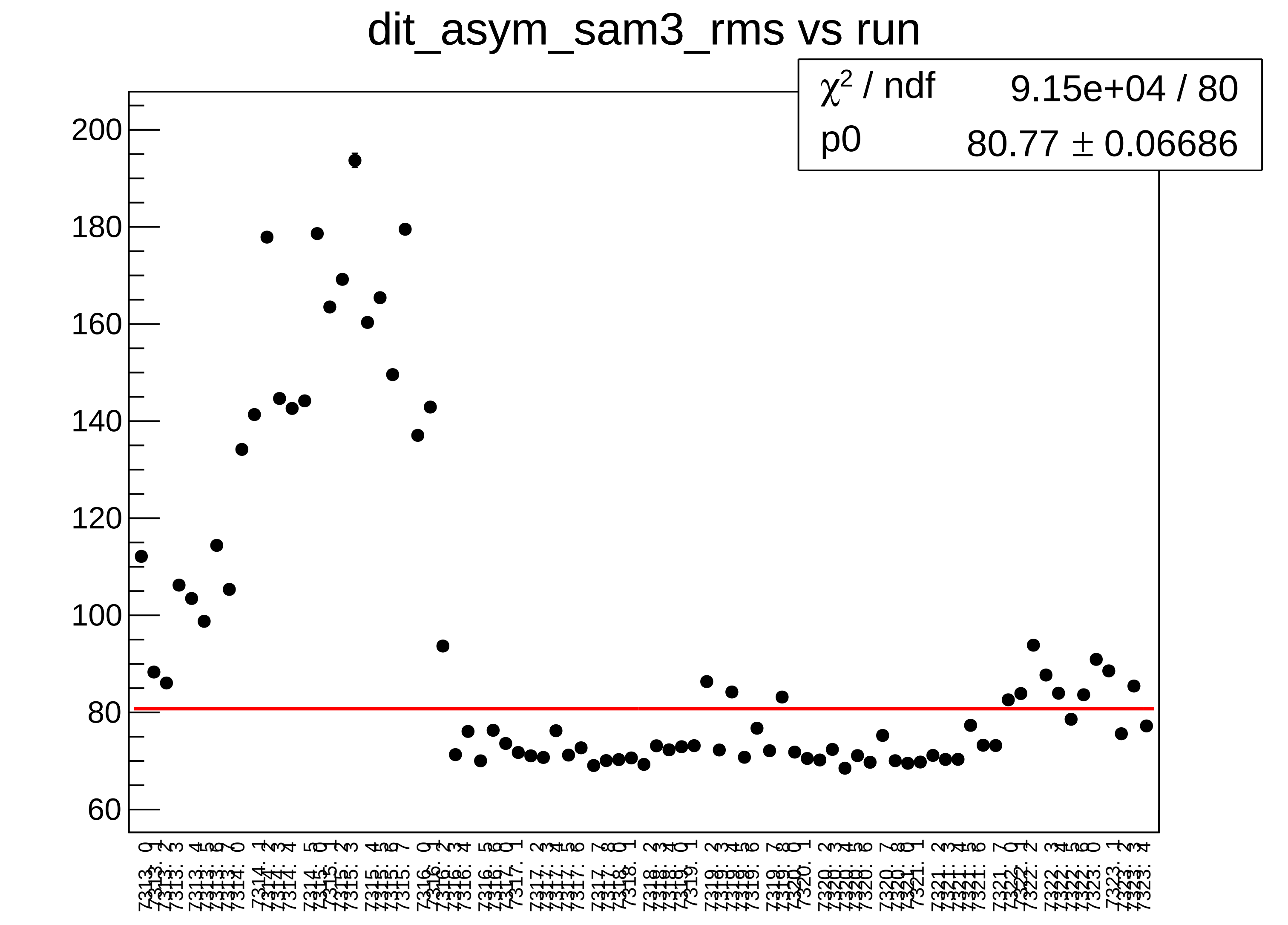


asym_sam2_mean vs run
χ^2 / ndf 77.03 / 80
p0 1304 ± 2218
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −875.7
Std Dev 921.4
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.003773
Std Dev 0.9752
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

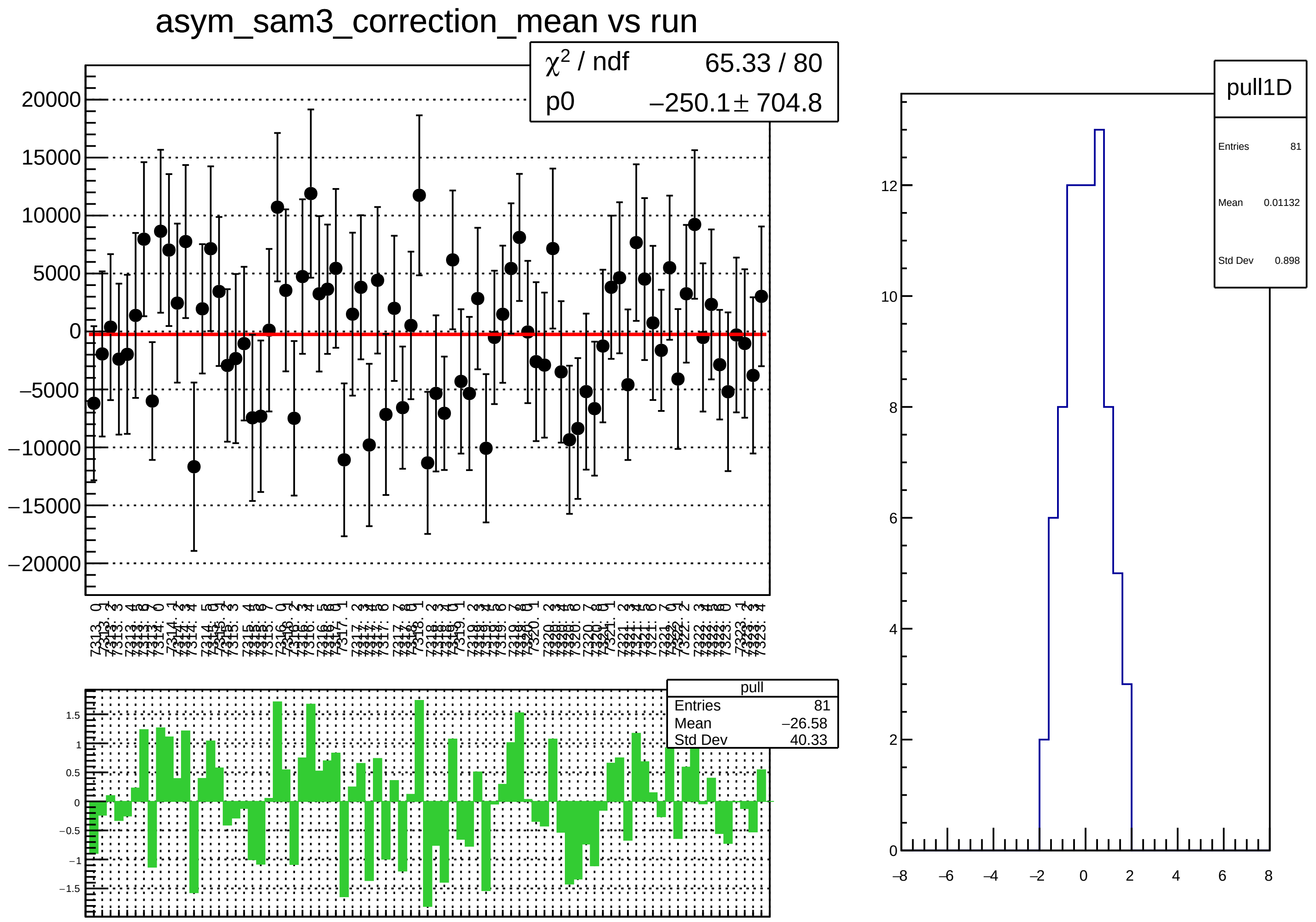

asym_sam2_rms vs run
χ2 / ndf 5092 / 80
p0 1950 ± 1.568
2300
2200
2100
2000
1900
1800
1700



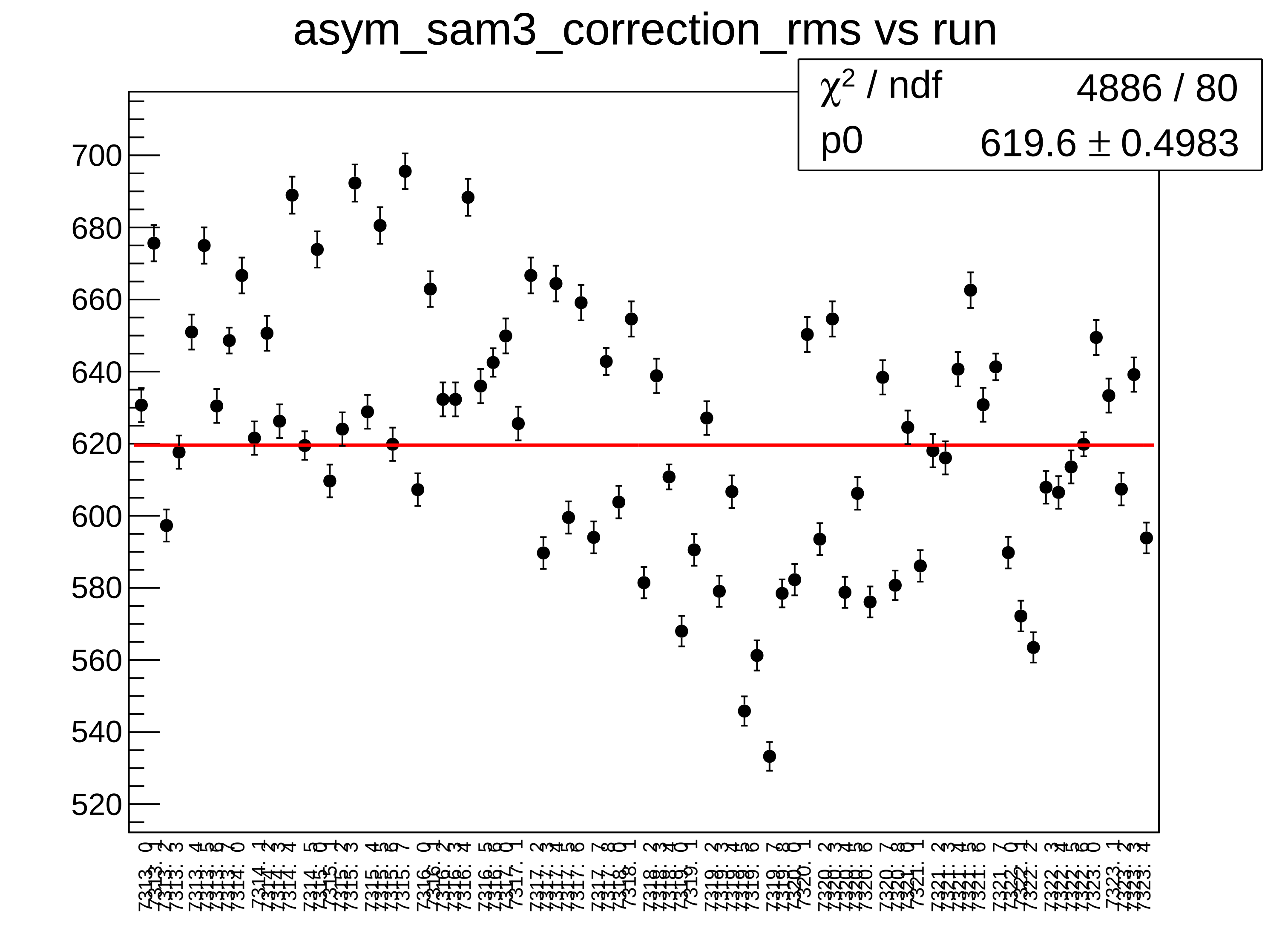
dit_asym_sam3_mean vs run
χ^2 / ndf 91.23 / 80
p0 −29.8 ± 94.56
pull
Entries 81
Mean −108.4
Std Dev 143.5
pull1D
Entries 81
Mean 0.02786
Std Dev 1.061

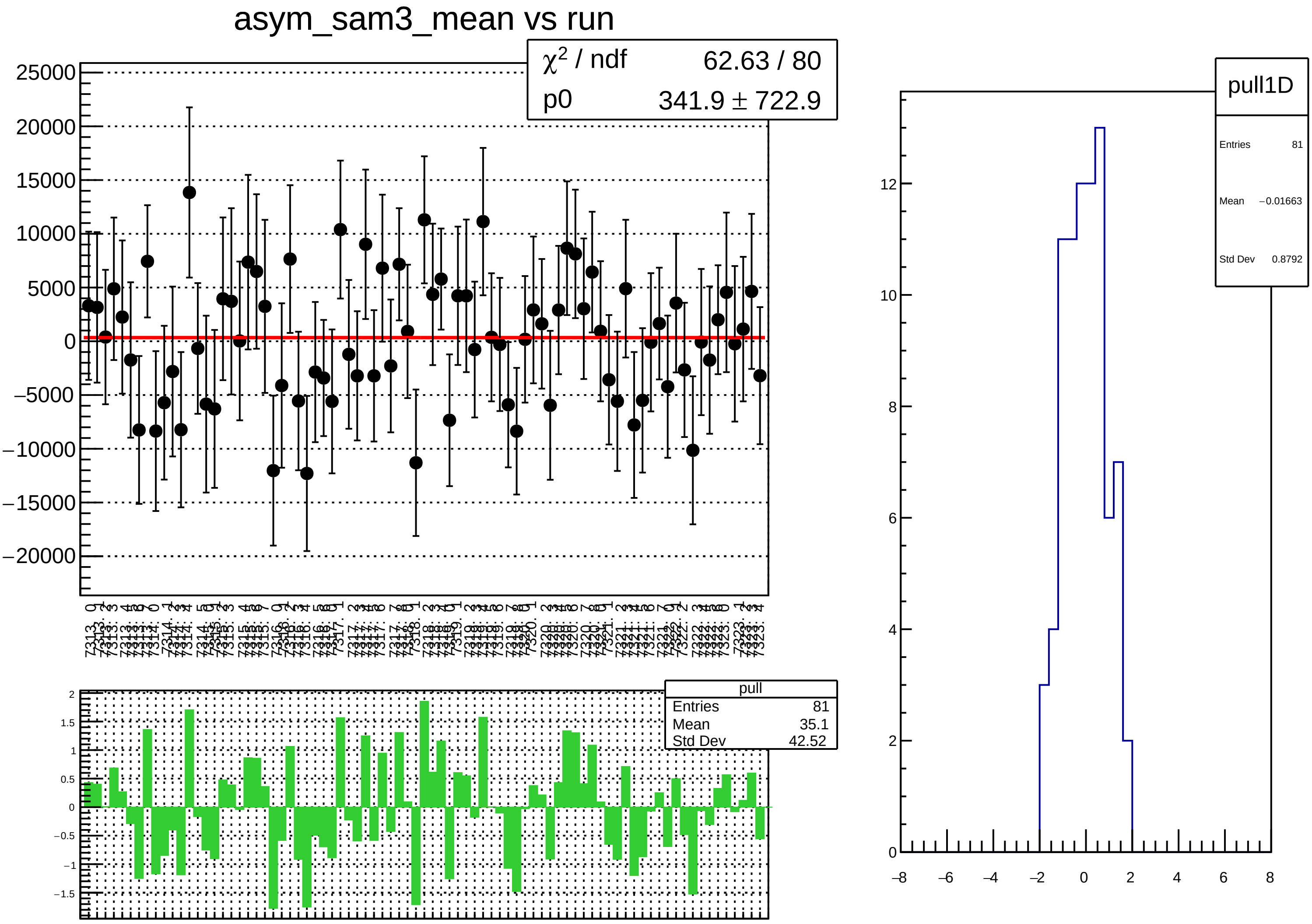


dit_asym_sam3_rms vs run
χ2 / ndf 9.15e+04 / 80
p0 80.77 ± 0.06686
200
180
160
140
120
100
80
60

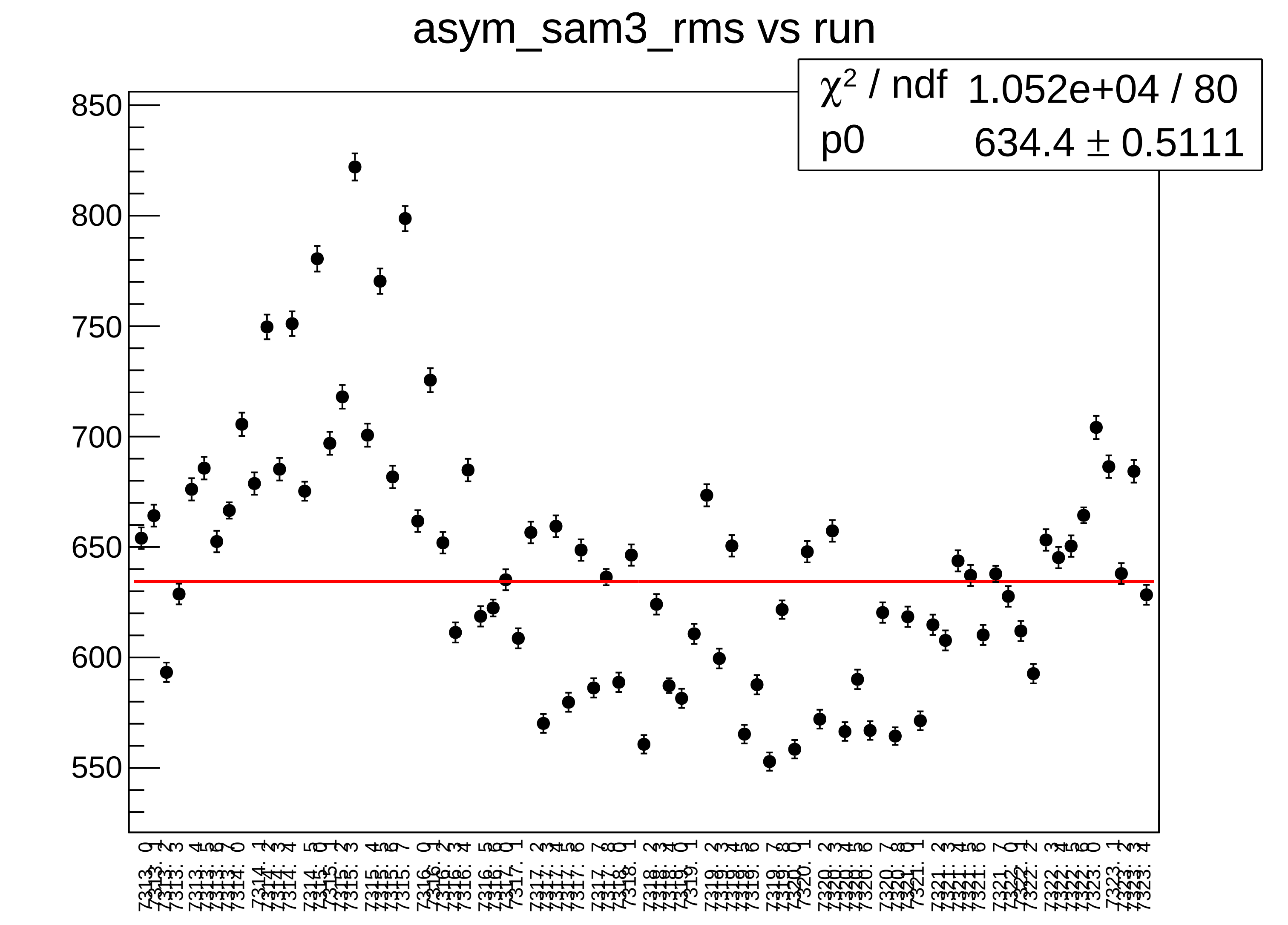


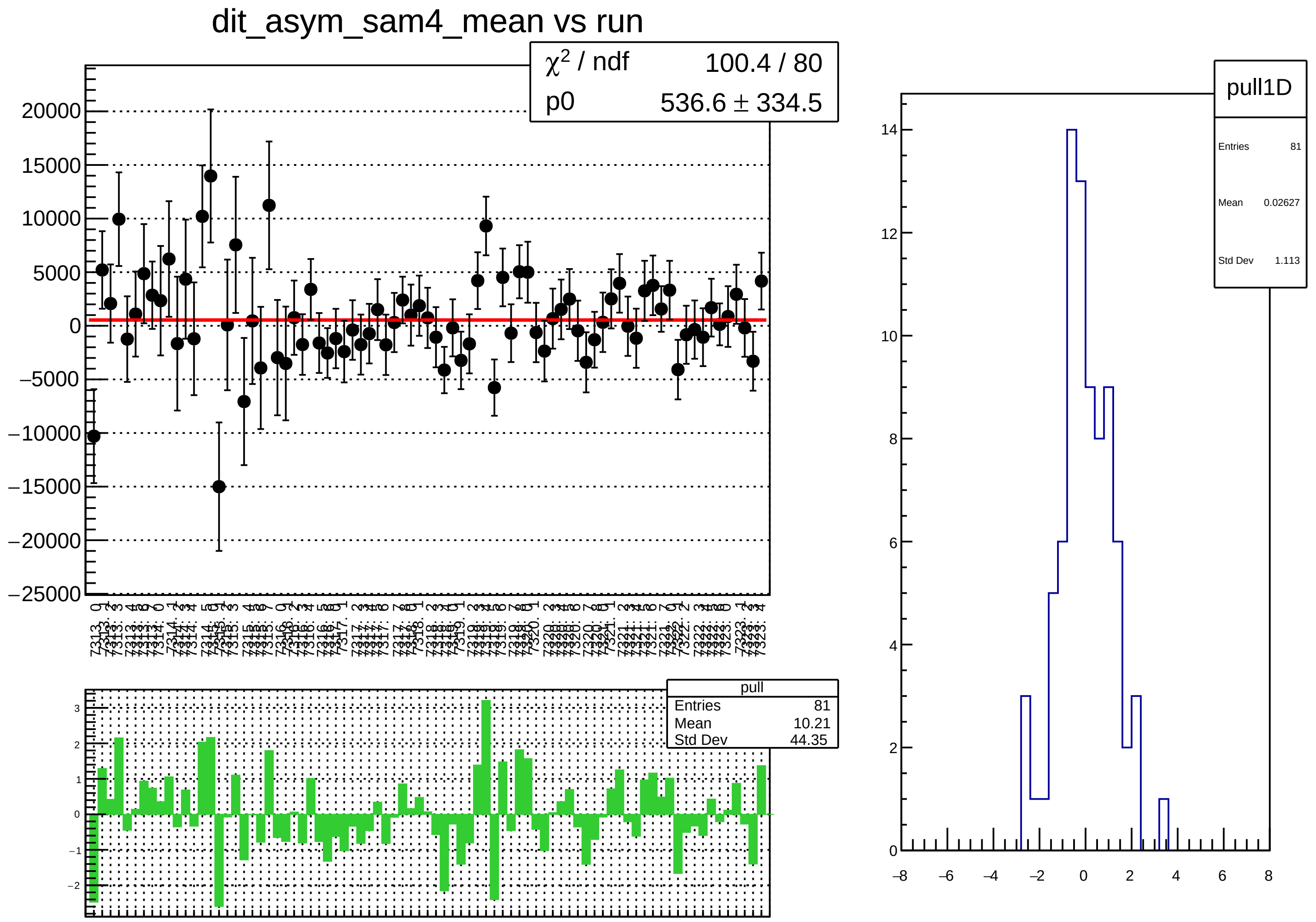
asym_sam3_correction_mean vs run
χ^2 / ndf 65.33 / 80
p0 −250.1 ± 704.8
pull
Entries 81
Mean −26.58
Std Dev 40.33
pull1D
Entries 81
Mean 0.01132
Std Dev 0.898


asym_sam3_correction_rms vs run
χ2 / ndf 4886 / 80
p0 619.6 ± 0.4983
700
680
660
640
620
600
580
560
540
520

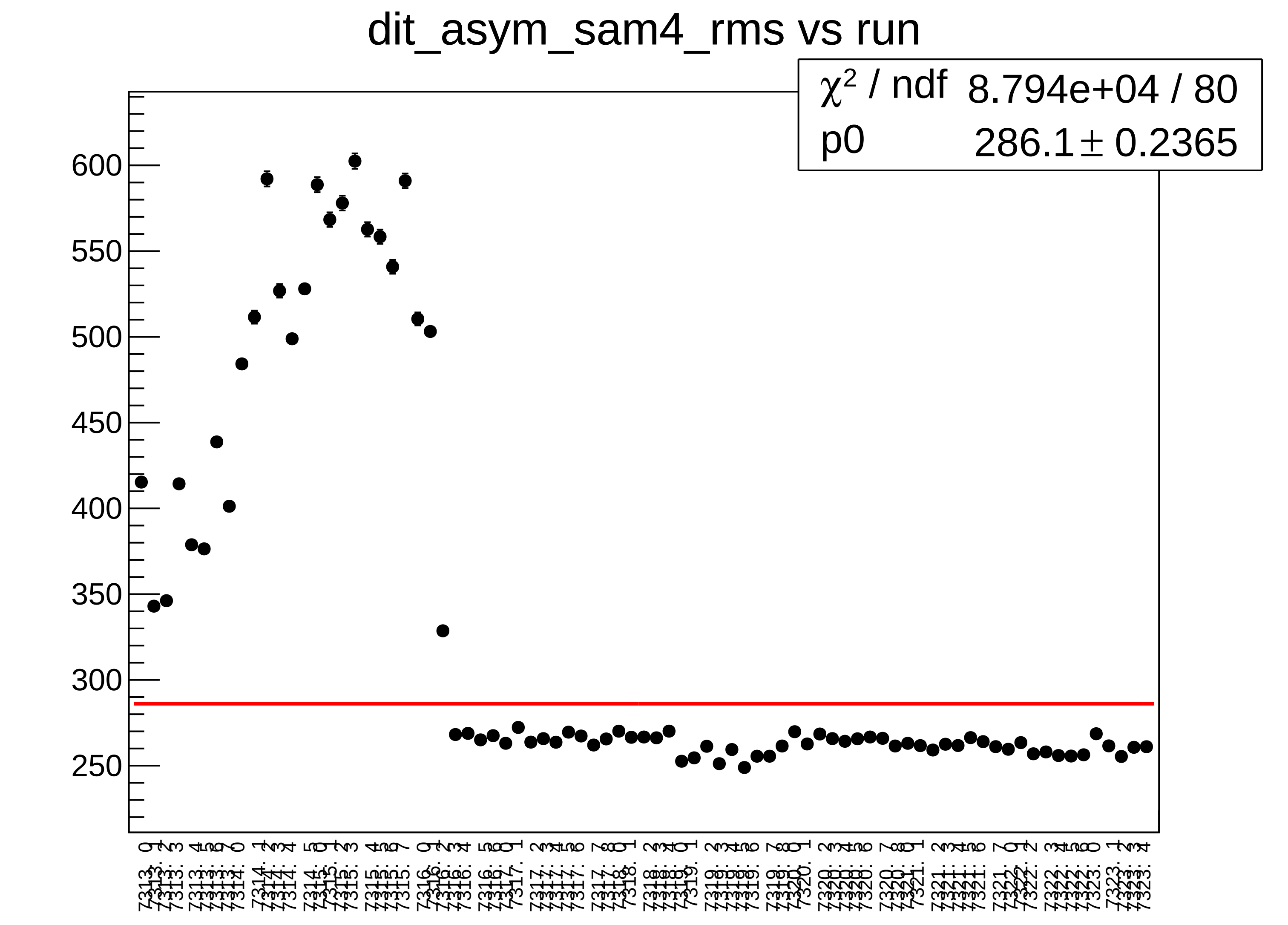


asym_sam3_mean vs run
χ2 / ndf 62.63 / 80
p0 341.9 ± 722.9
pull
Entries 81
Mean 35.1
Std Dev 42.52
pull1D
Entries 81
Mean −0.01663
Std Dev 0.8792

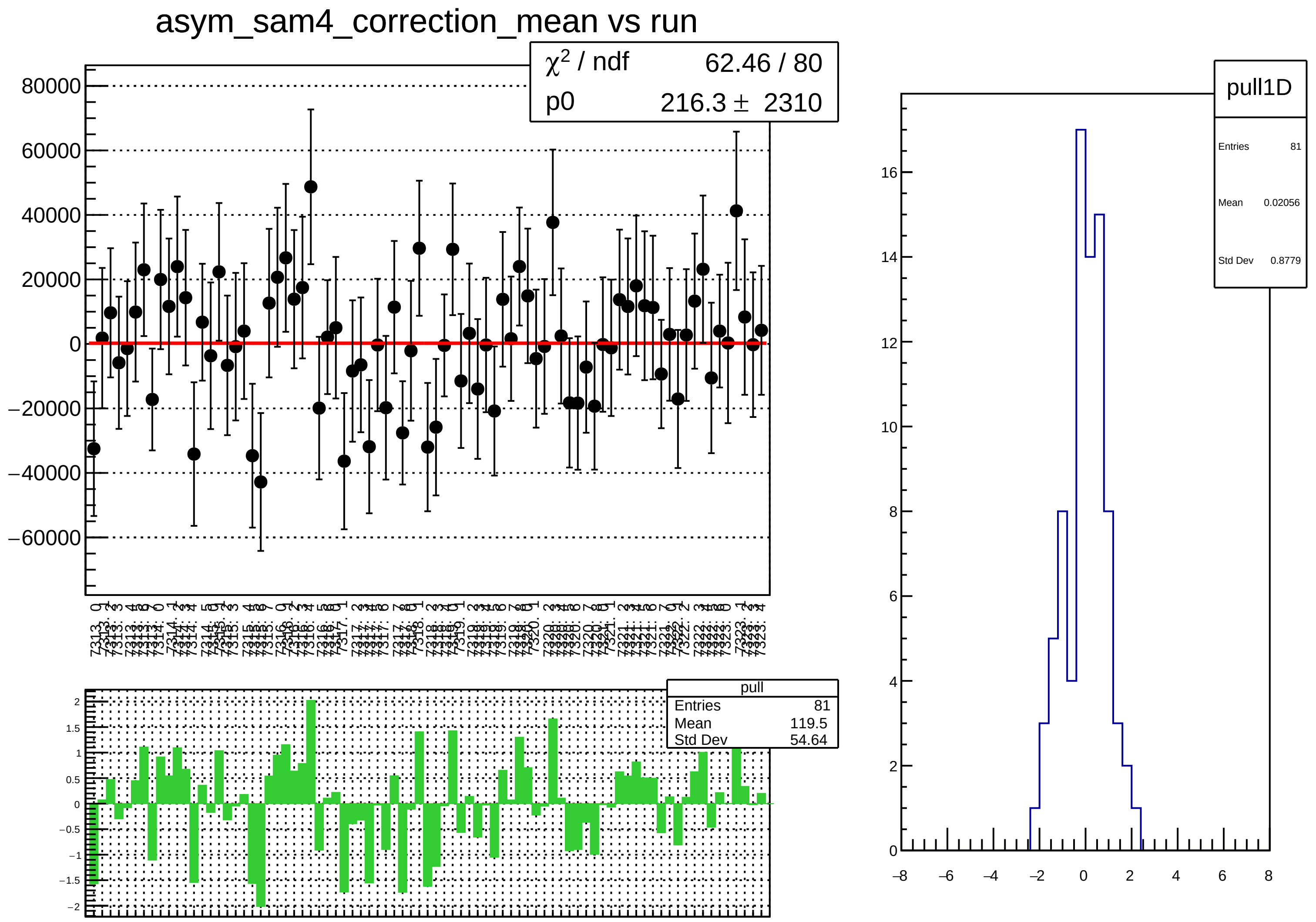

asym_sam3_rms vs run
χ2 / ndf 1.052e+04 / 80
p0 634.4 ± 0.5111
850
800
750
700
650
600
550

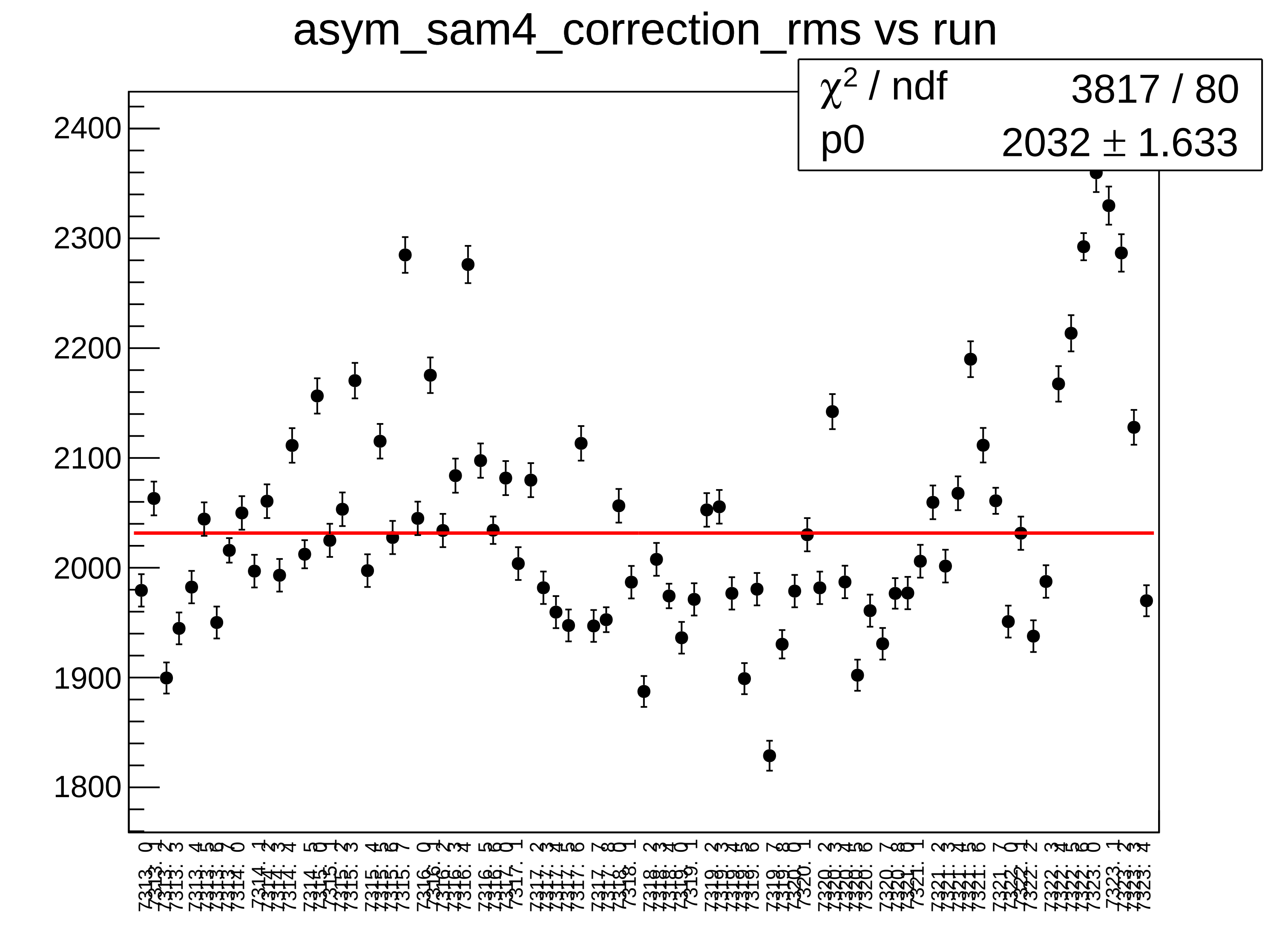


dit_asym_sam4_mean vs run
χ^2 / ndf 100.4 / 80
p0 536.6 ± 334.5
pull
Entries 81
Mean 10.21
Std Dev 44.35
pull1D
Entries 81
Mean 0.02627
Std Dev 1.113

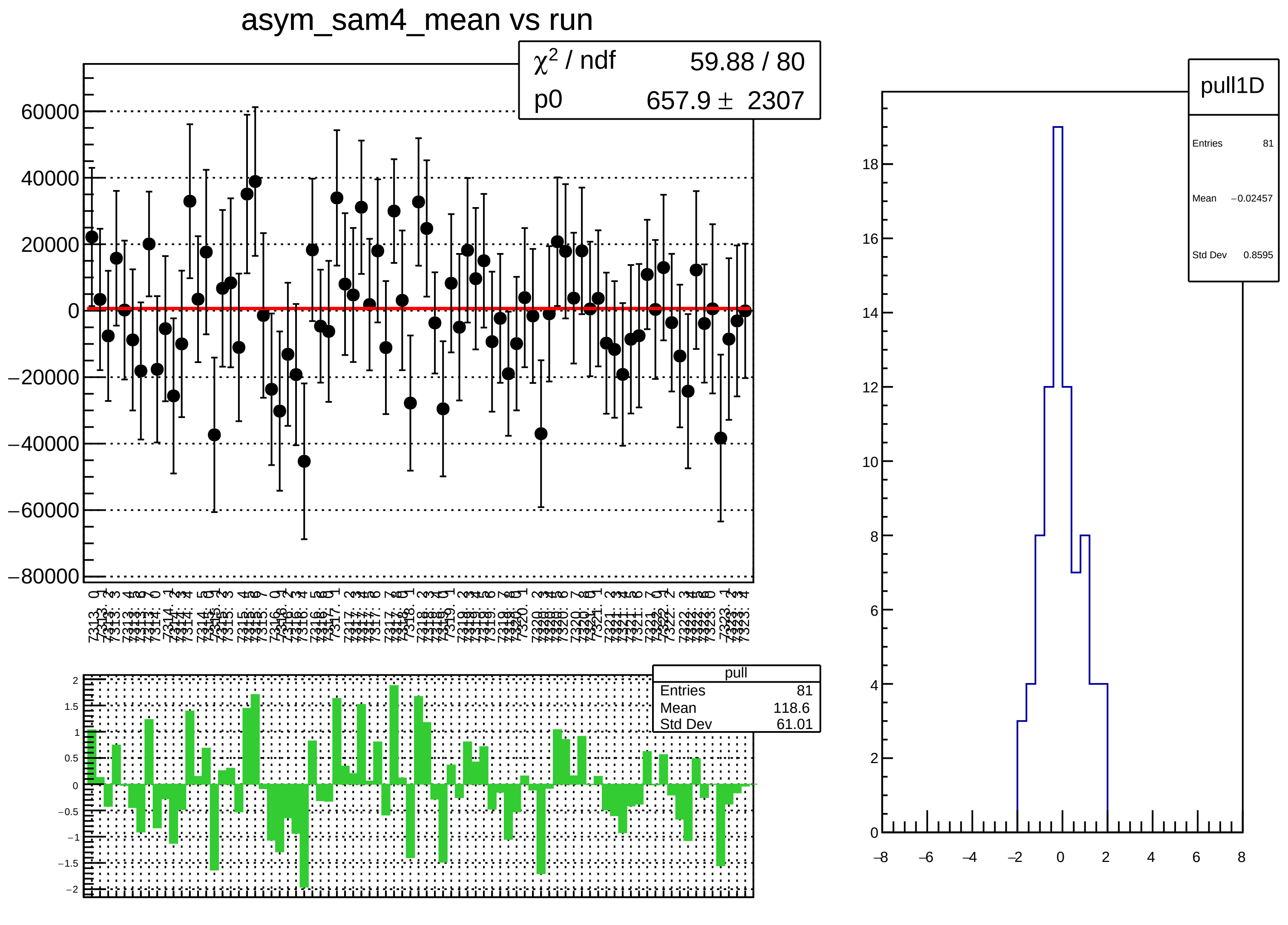


dit_asym_sam4_rms vs run
χ2 / ndf 8.794e+04 / 80
p0 286.1 ± 0.2365
600
550
500
450
400
350
300
250

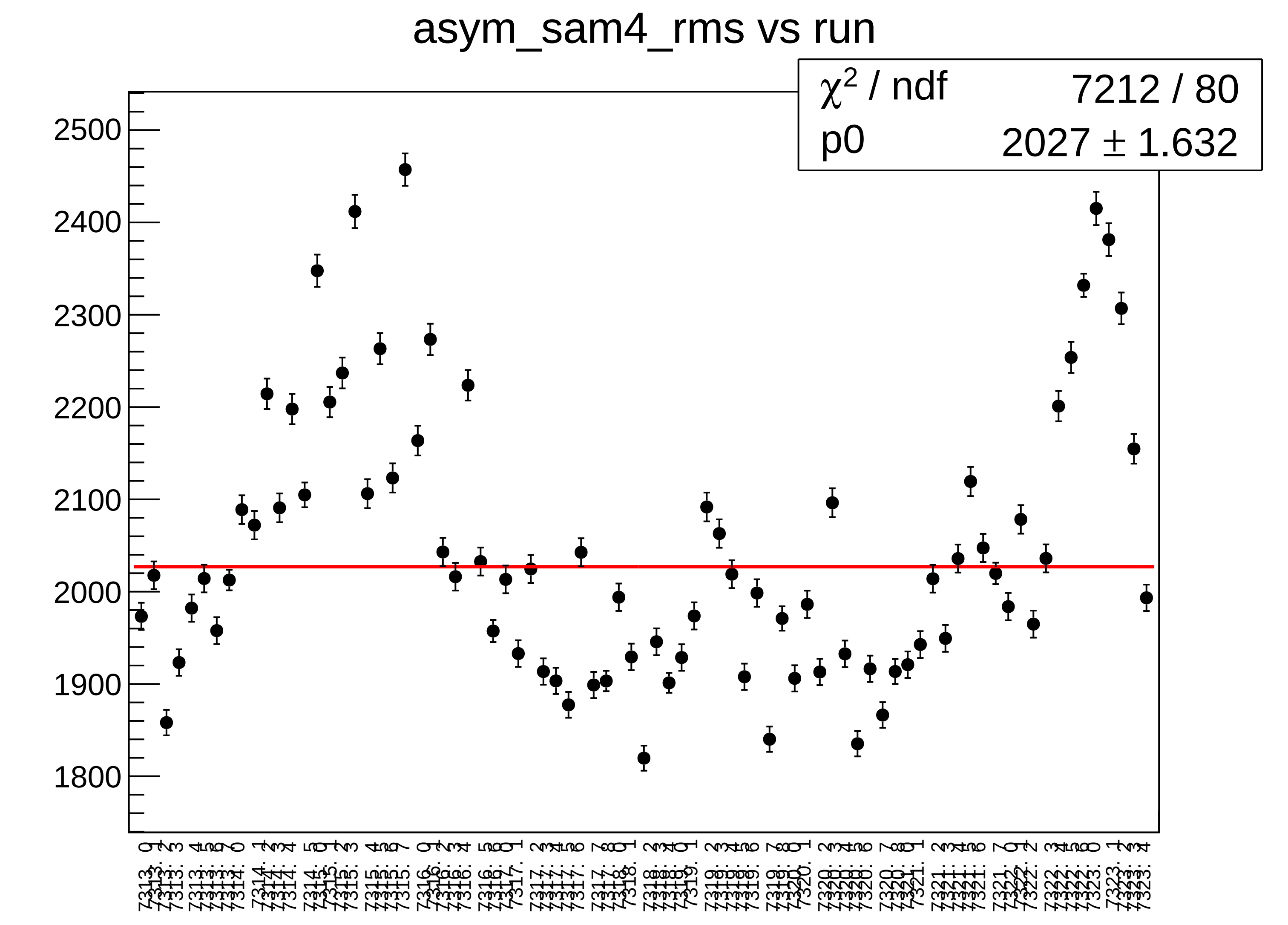

asym_sam4_correction_mean vs run
χ^2 / ndf 62.46 / 80
p0 216.3 ± 2310
pull
Entries 81
Mean 119.5
Std Dev 54.64
pull1D
Entries 81
Mean 0.02056
Std Dev 0.8779



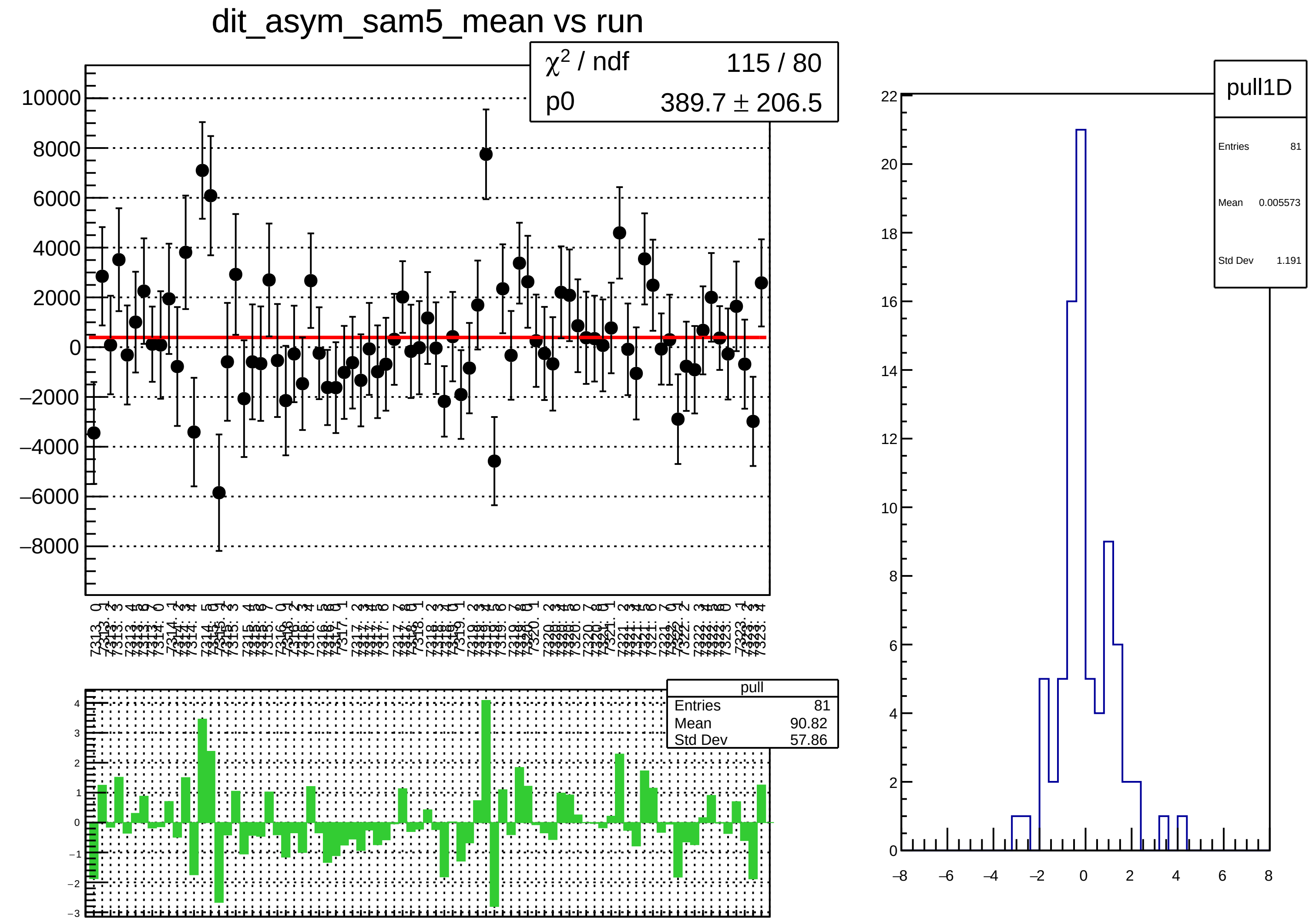
asym_sam4_correction_rms vs run
χ^2 / ndf 3817 / 80
p0 2032 ± 1.633
2400
2300
2200
2100
2000
1900
1800



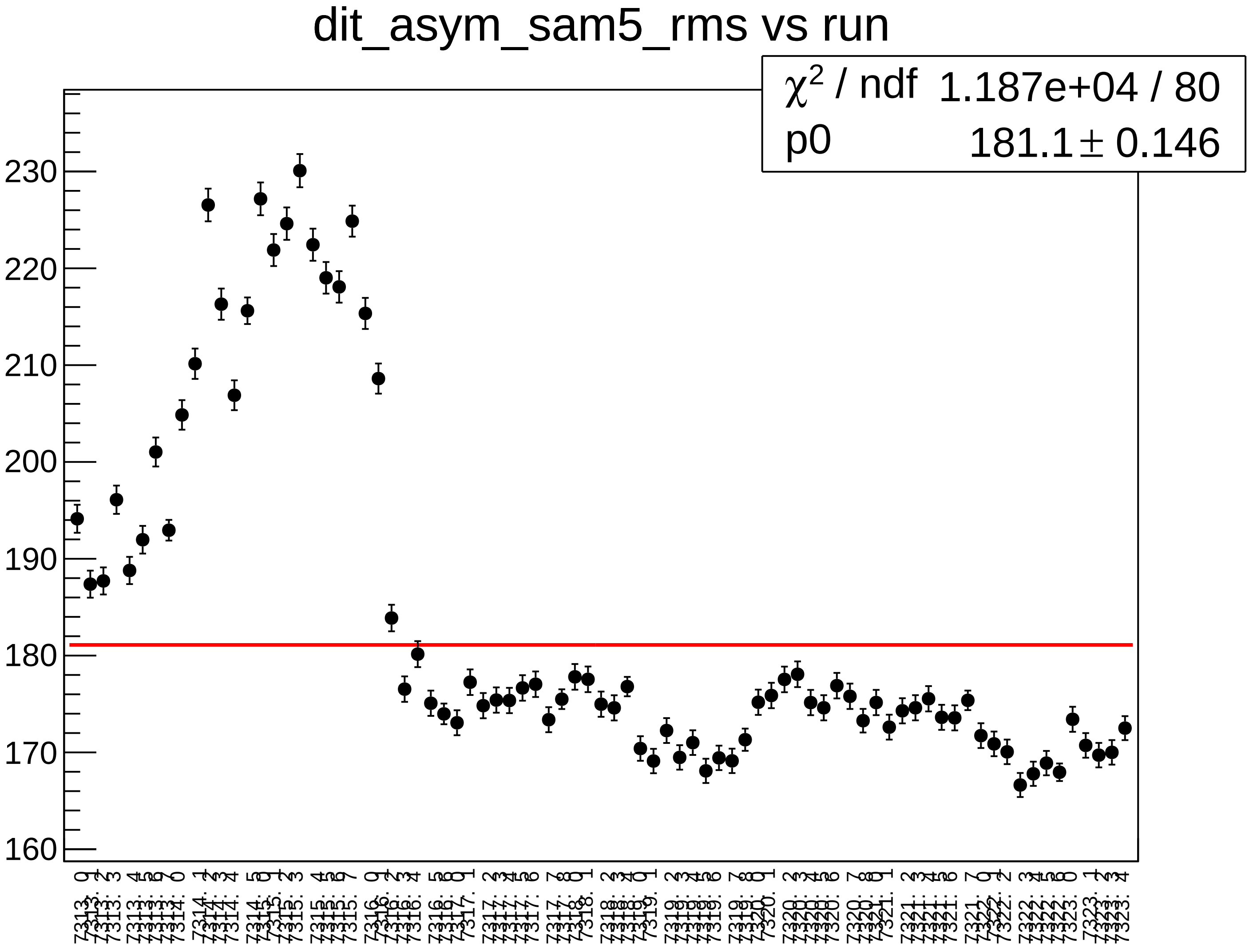
asym_sam4_mean vs run
χ2 / ndf 59.88 / 80
p0 657.9 ± 2307
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 118.6
Std Dev 61.01
pull1D
Entries 81
Mean −0.02457
Std Dev 0.8595

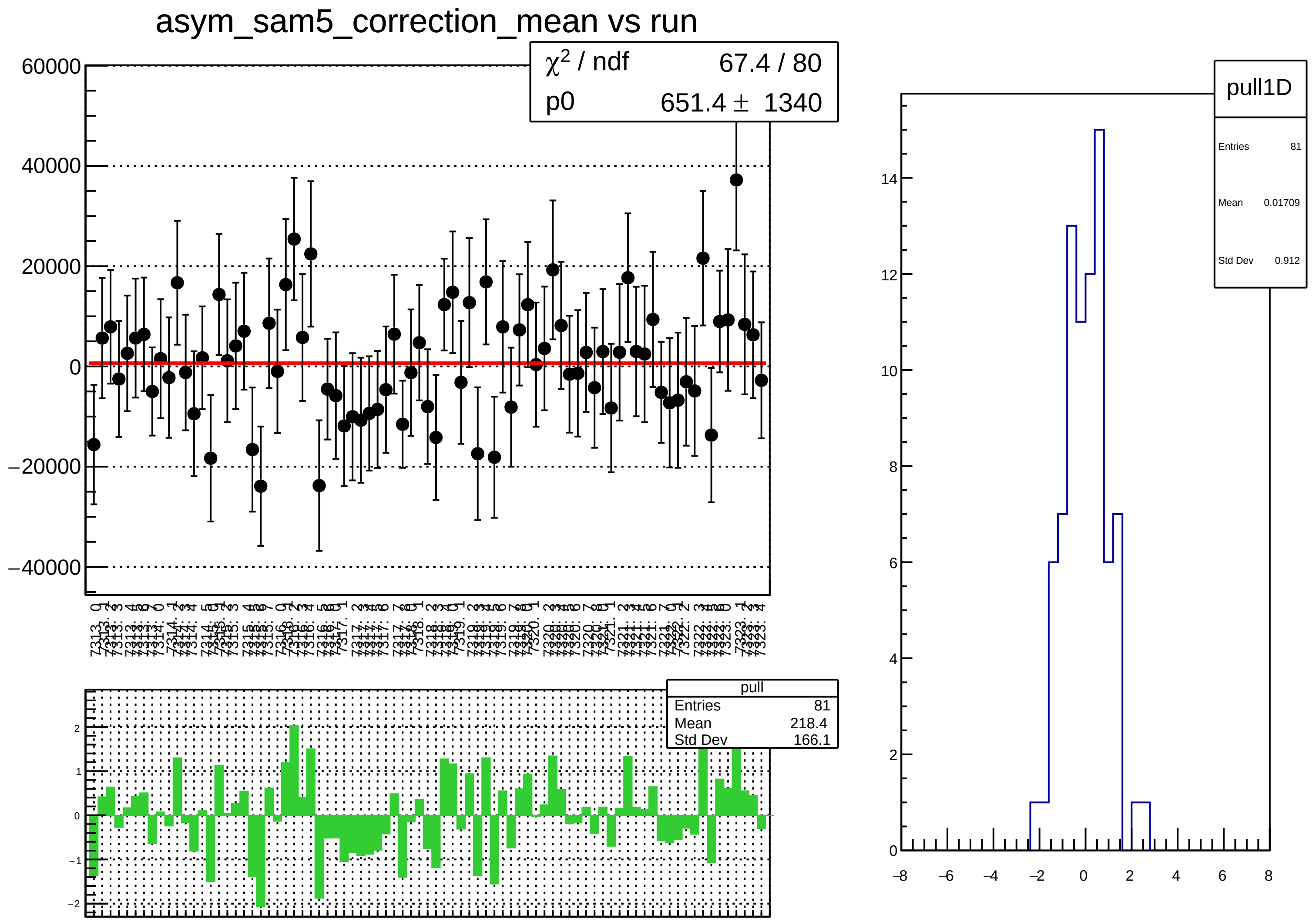


asym_sam4_rms vs run
χ^2 / ndf 7212 / 80
p0 2027 ± 1.632
2500
2400
2300
2200
2100
2000
1900
1800

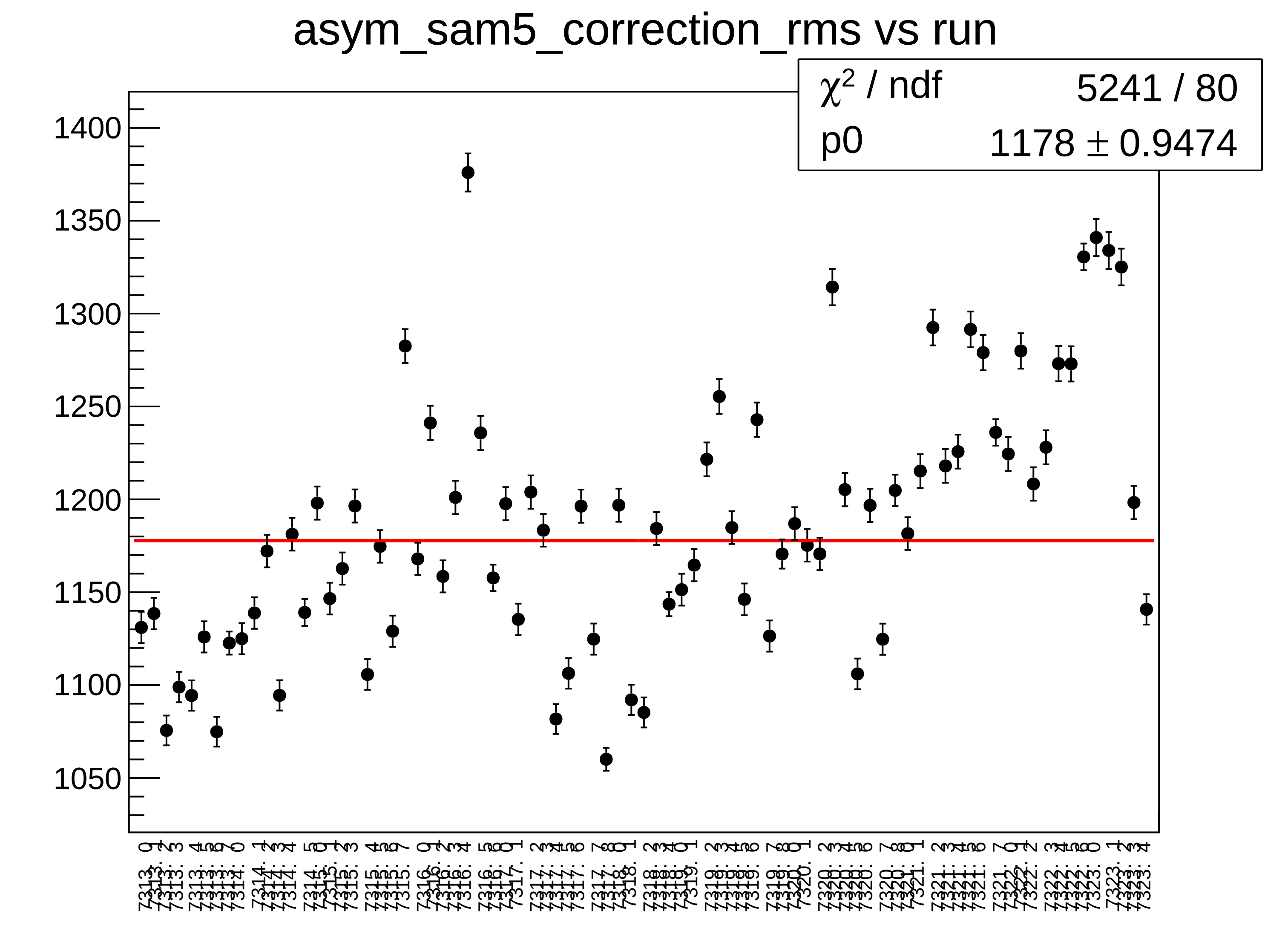


dit_asym_sam5_mean vs run
χ^2 / ndf 115 / 80
p0 389.7 ± 206.5
pull
Entries 81
Mean 90.82
Std Dev 57.86
pull1D
Entries 81
Mean 0.005573
Std Dev 1.191

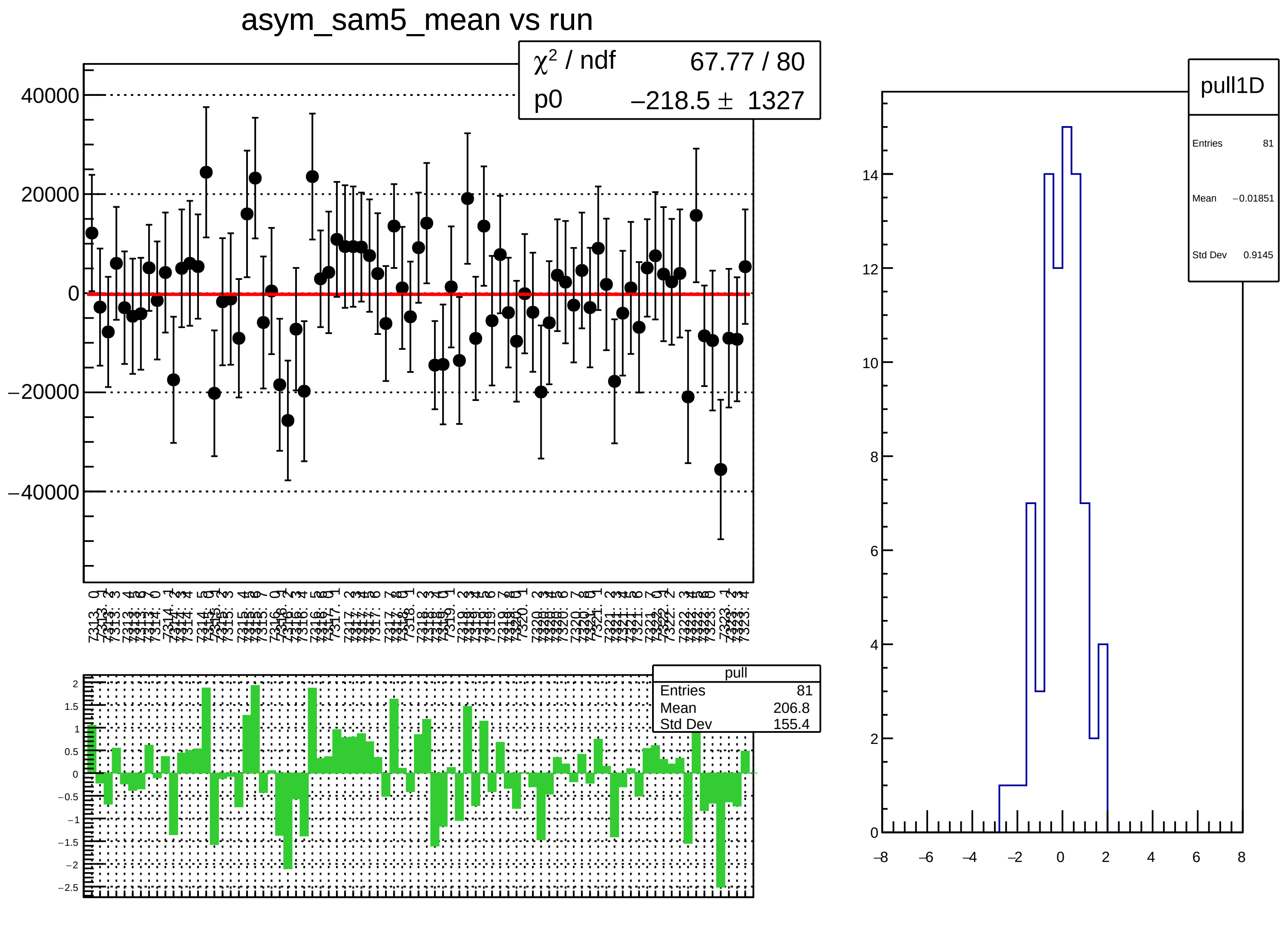

dit_asym_sam5_rms vs run
χ² / ndf 1.187e+04 / 80
p0 181.1 ± 0.146
230
220
210
200
190
180
170
160



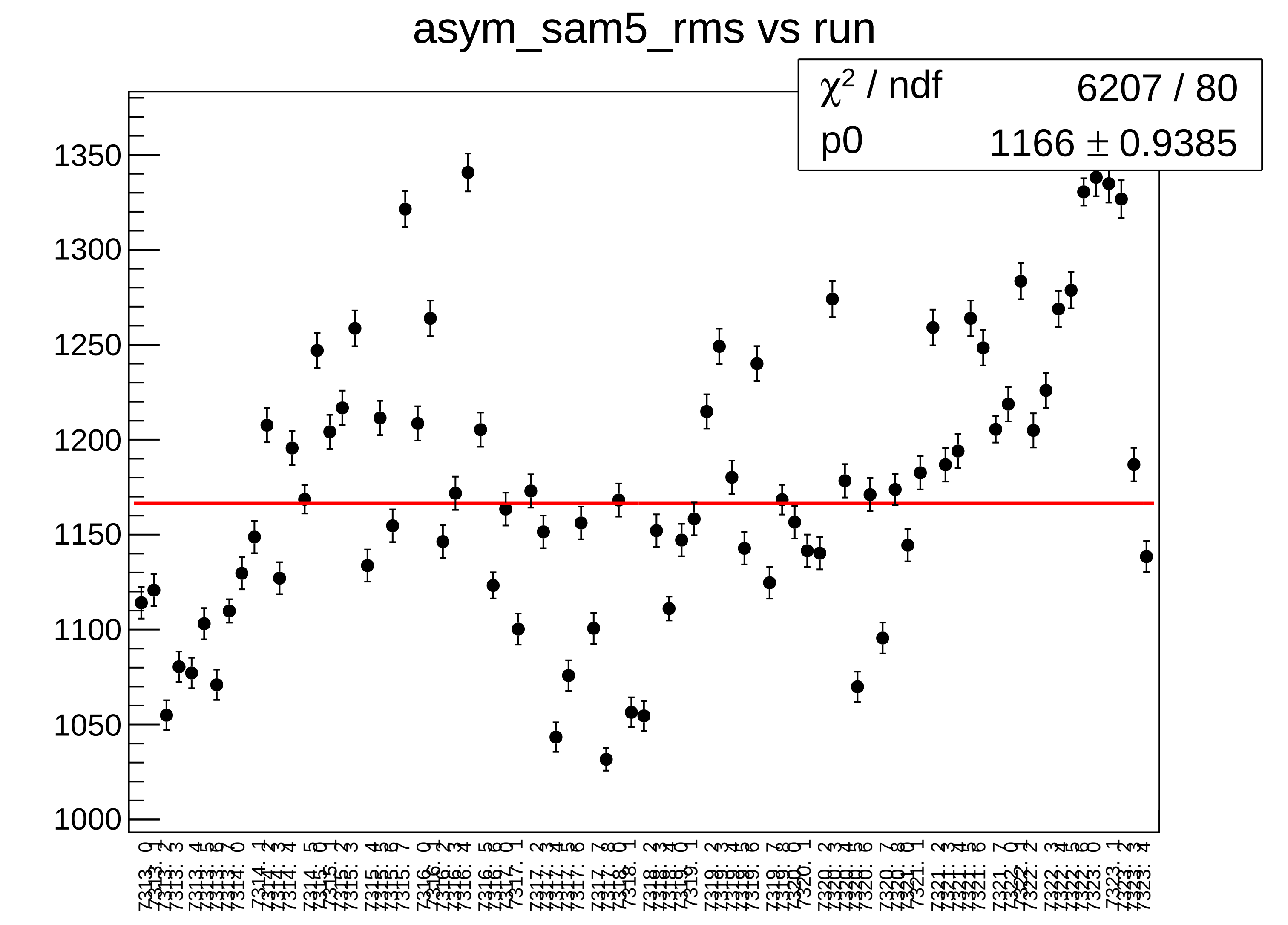
asym_sam5_correction_mean vs run
χ2 / ndf 67.4 / 80
p0 651.4 ± 1340
pull
Entries 81
Mean 218.4
Std Dev 166.1
pull1D
Entries 81
Mean 0.01709
Std Dev 0.912



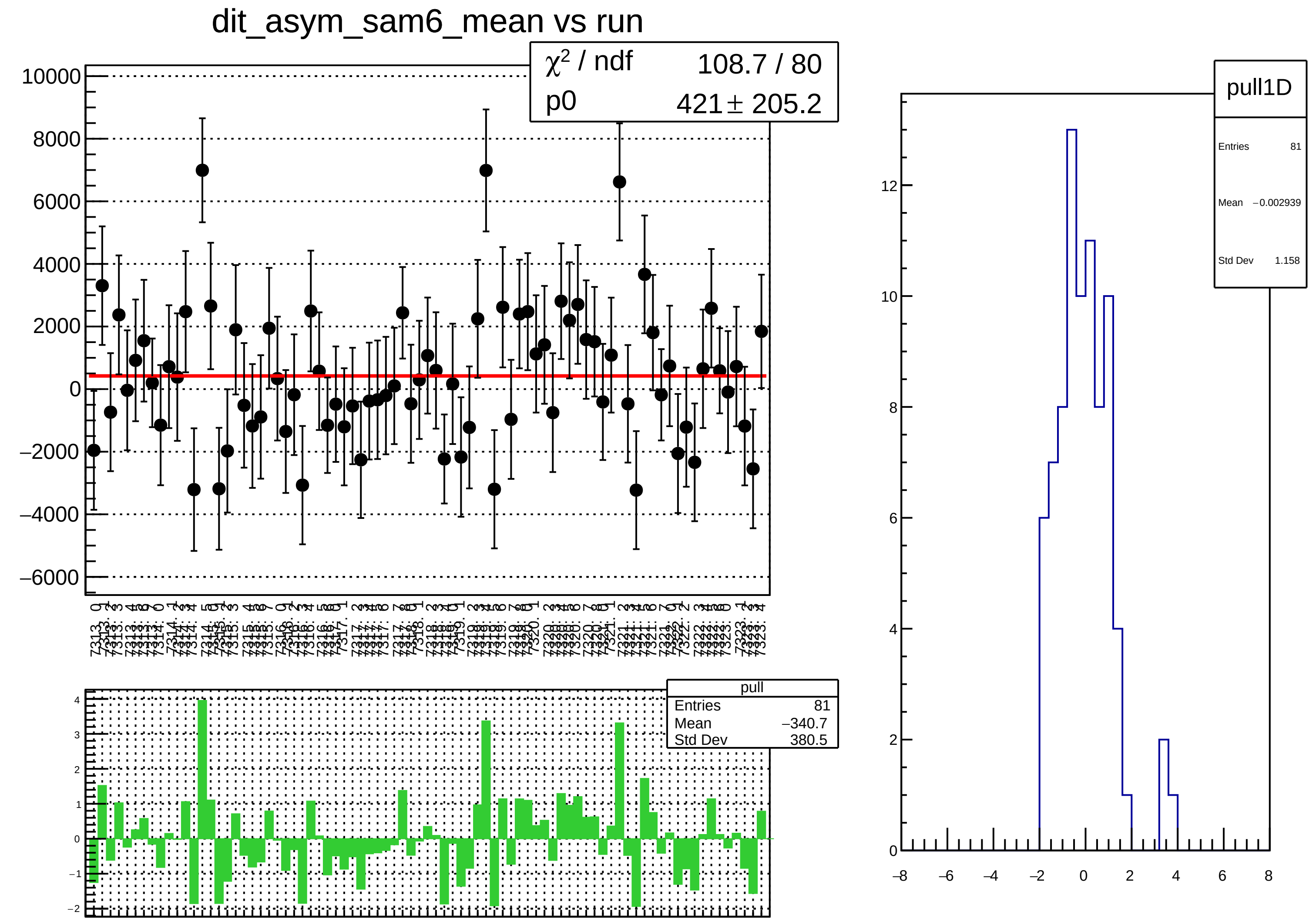
asym_sam5_correction_rms vs run
χ2 / ndf 5241 / 80
p0 1178 ± 0.9474
1400
1350
1300
1250
1200
1150
1100
1050



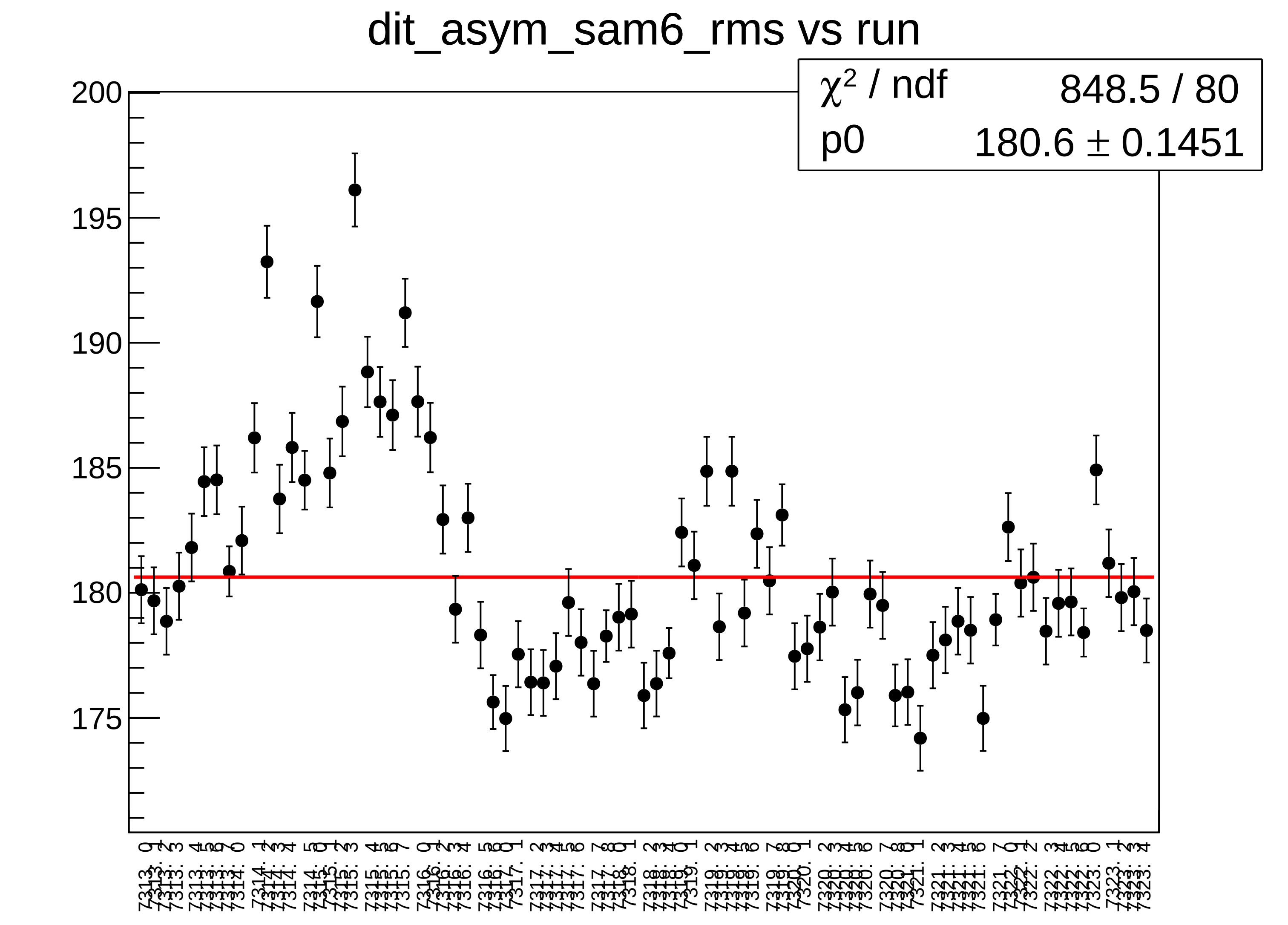
asym_sam5_mean vs run
χ2 / ndf 67.77 / 80
p0 −218.5 ± 1327
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 206.8
Std Dev 155.4
pull1D
Entries 81
Mean −0.01851
Std Dev 0.9145

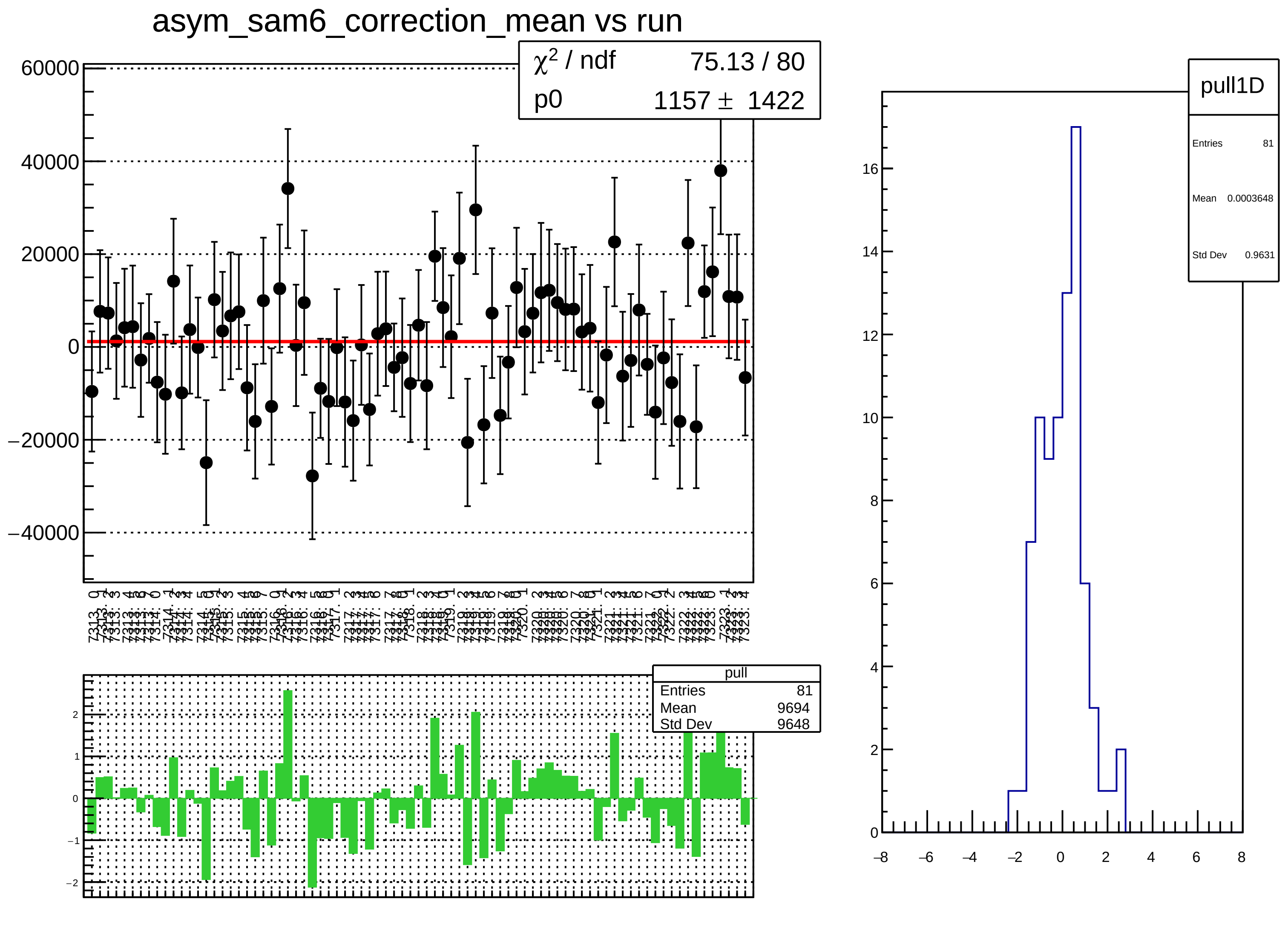


asym_sam5_rms vs run
χ2 / ndf 6207 / 80
p0 1166 ± 0.9385
1350
1300
1250
1200
1150
1100
1050
1000

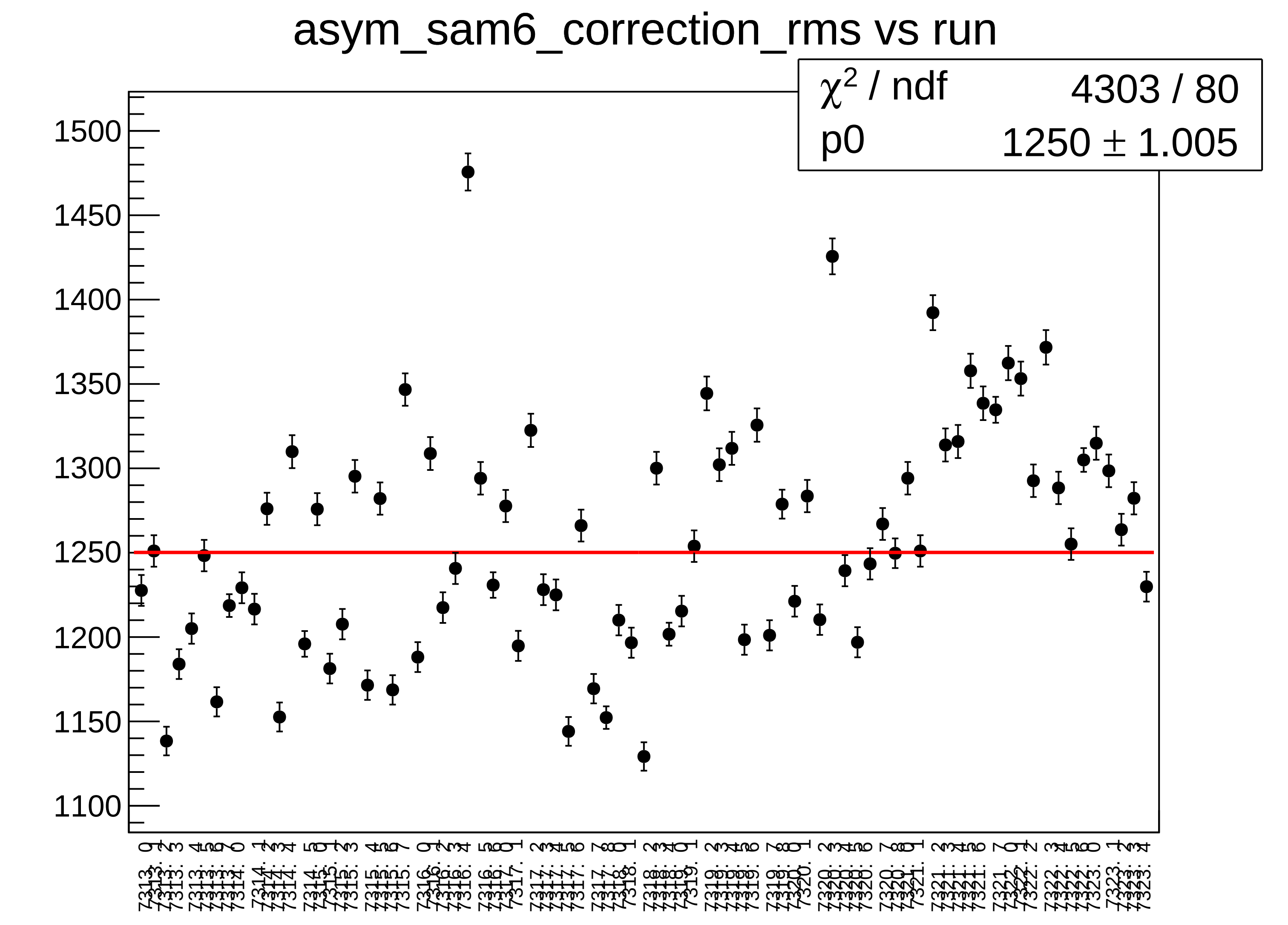


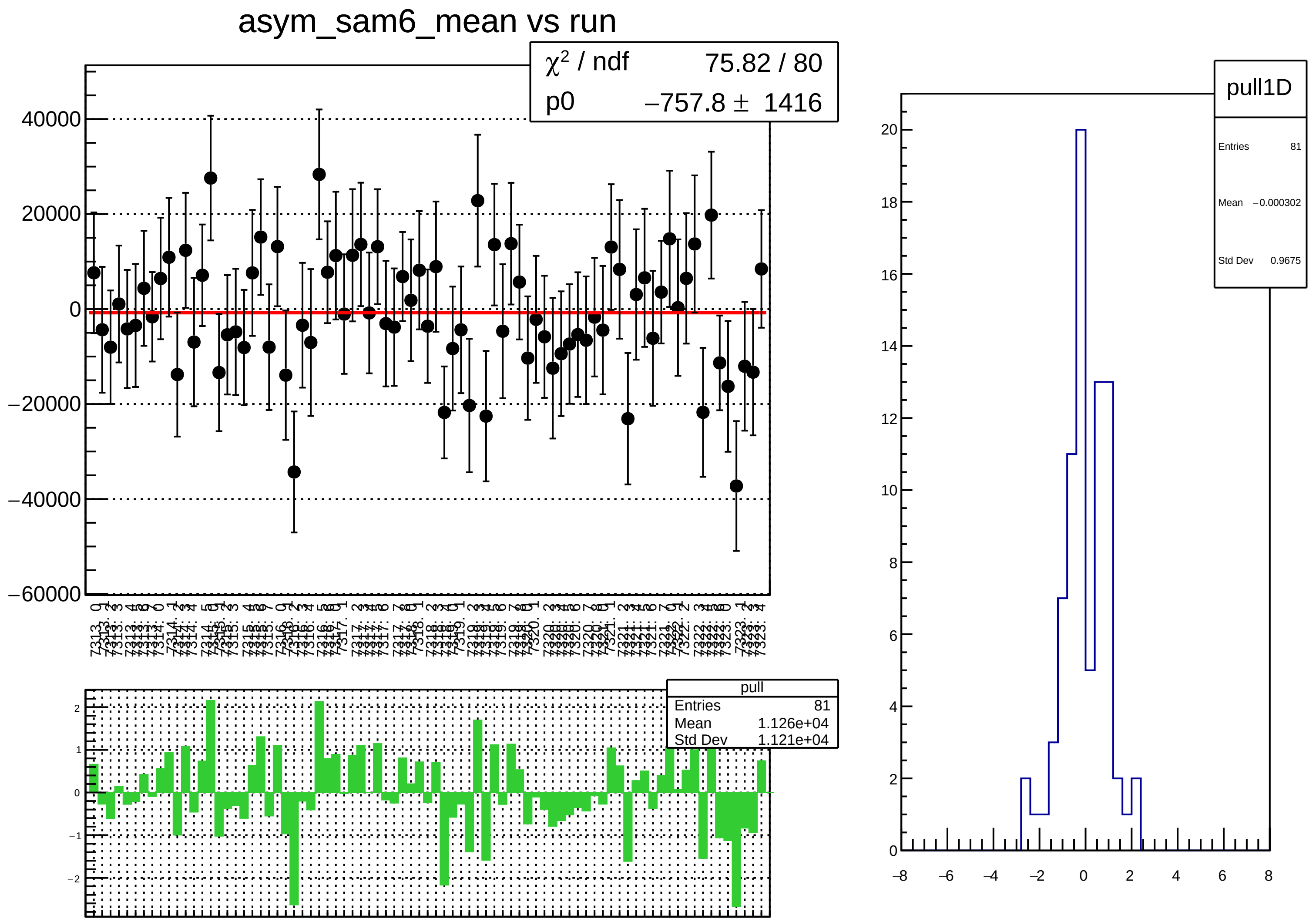
dit_asym_sam6_mean vs run
χ2 / ndf 108.7 / 80
p0 421 ± 205.2
pull
Entries 81
Mean −340.7
Std Dev 380.5
pull1D
Entries 81
Mean −0.002939
Std Dev 1.158

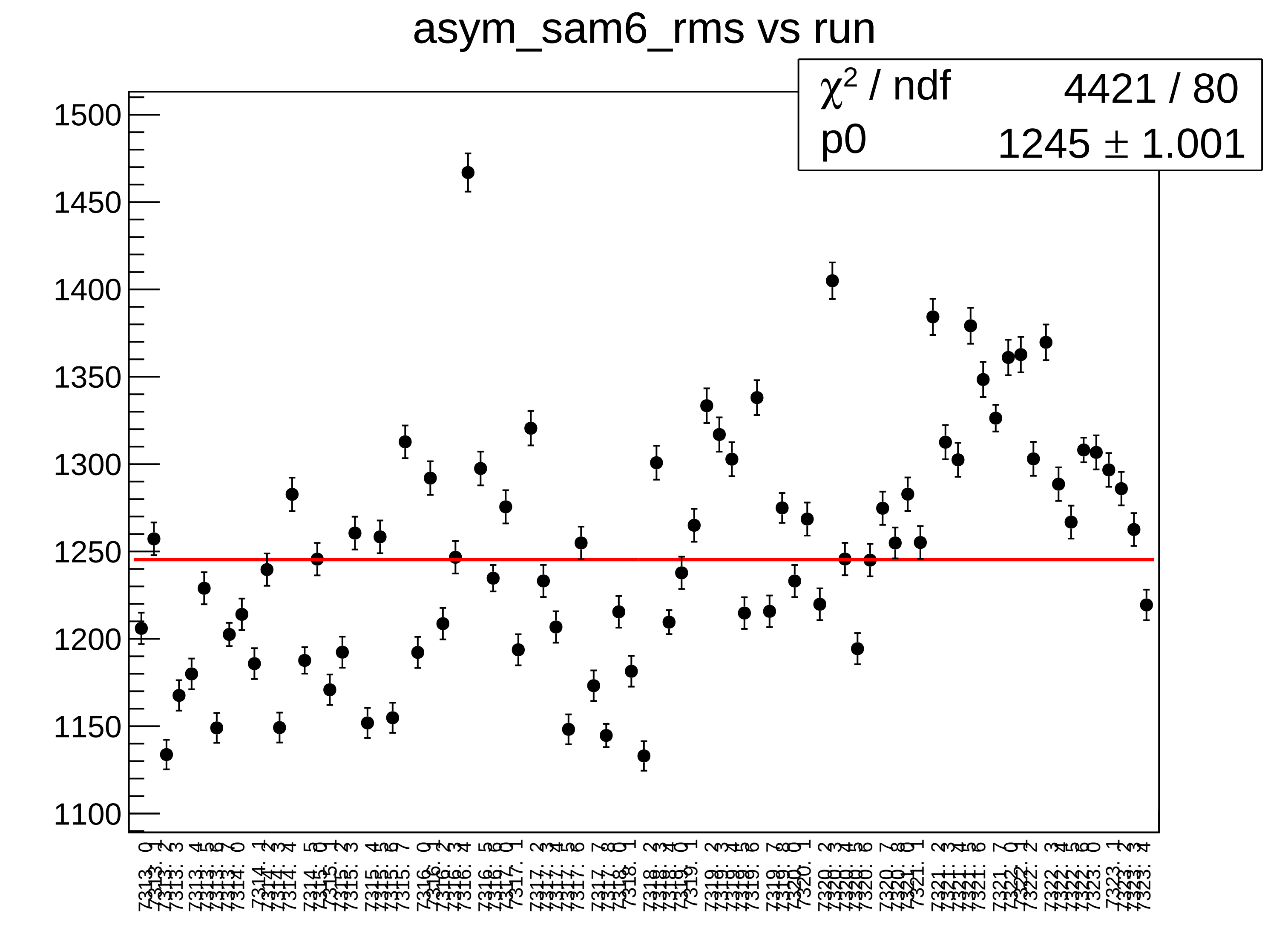

dit_asym_sam6_rms vs run
χ^2 / ndf 848.5 / 80
p0 180.6 ± 0.1451
200
195
190
185
180
175



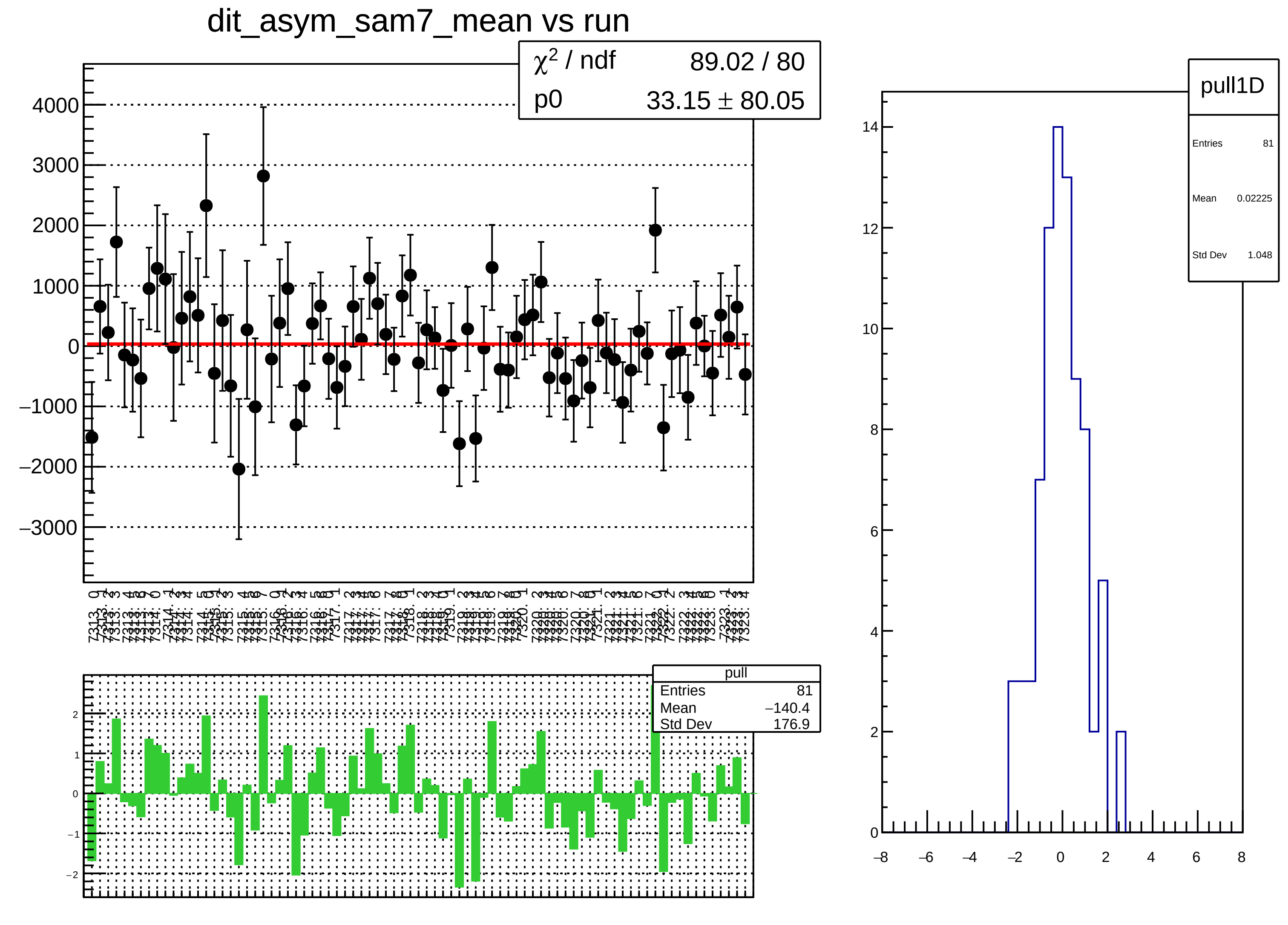
asym_sam6_correction_mean vs run
χ^2 / ndf 75.13 / 80
p0 1157 ± 1422
pull
Entries 81
Mean 9694
Std Dev 9648
pull1D
Entries 81
Mean 0.0003648
Std Dev 0.9631


asym_sam6_correction_rms vs run
χ2 / ndf 4303 / 80
p0 1250 ± 1.005
1500
1450
1400
1350
1300
1250
1200
1150
1100

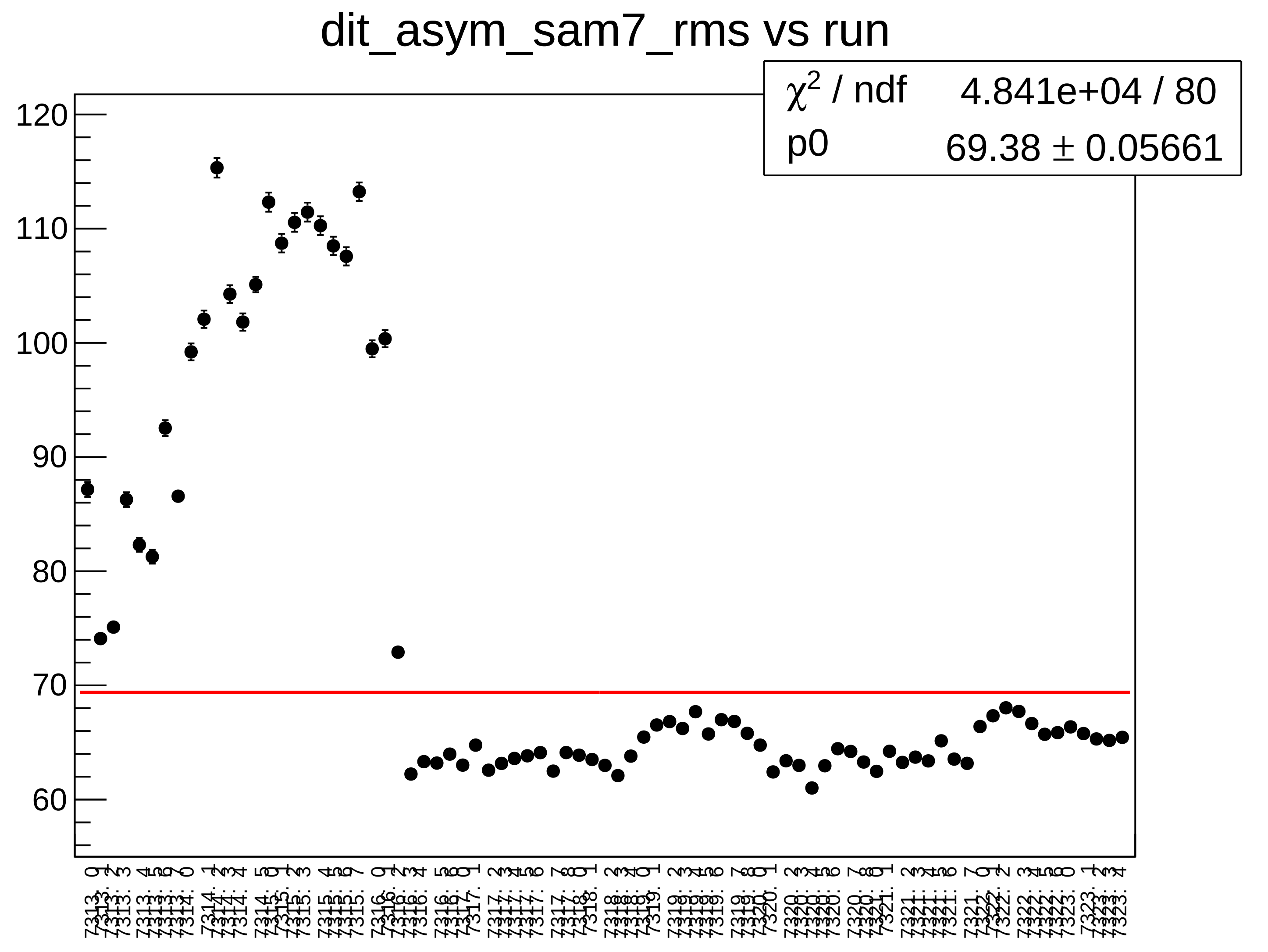

asym_sam6_mean vs run
χ2 / ndf 75.82 / 80
p0 −757.8 ± 1416
pull
Entries 81
Mean 1.126e+04
Std Dev 1.121e+04
pull1D
Entries 81
Mean −0.000302
Std Dev 0.9675



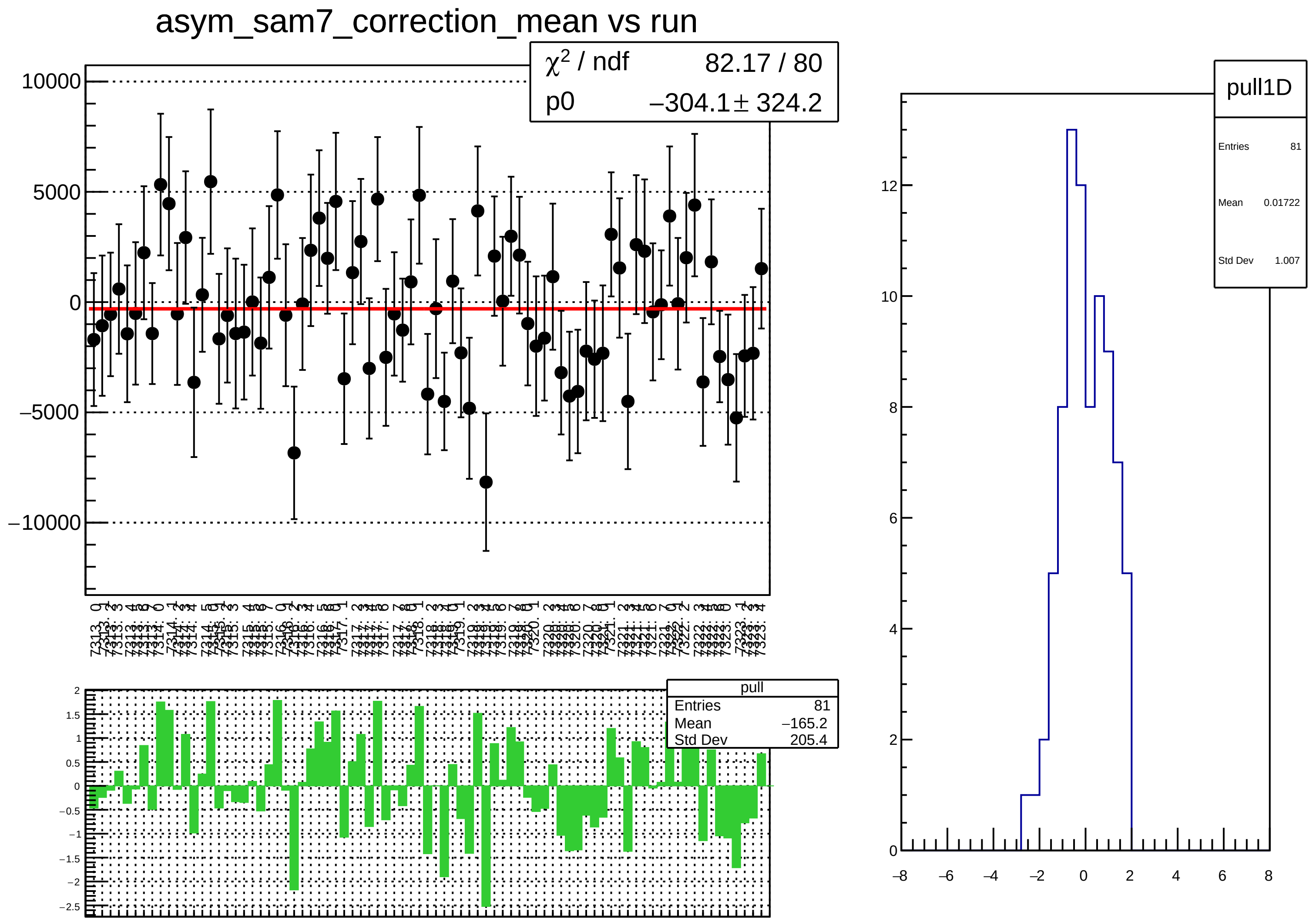
asym_sam6_rms vs run
χ2 / ndf 4421 / 80
p0 1245 ± 1.001
1500
1450
1400
1350
1300
1250
1200
1150
1100



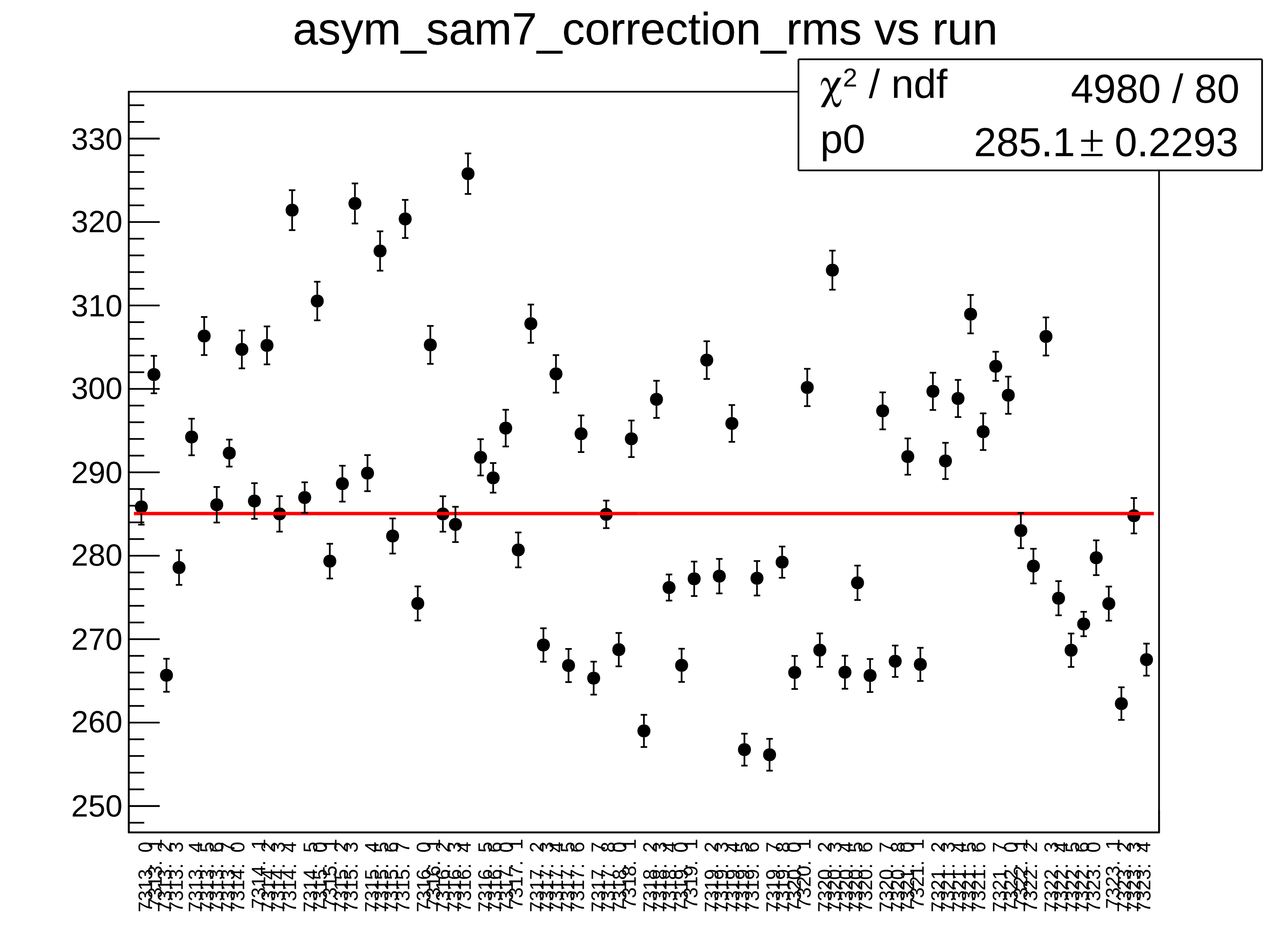
dit_asym_sam7_mean vs run
χ^2 / ndf 89.02 / 80
p0 33.15 ± 80.05
pull
Entries 81
Mean −140.4
Std Dev 176.9
pull1D
Entries 81
Mean 0.02225
Std Dev 1.048



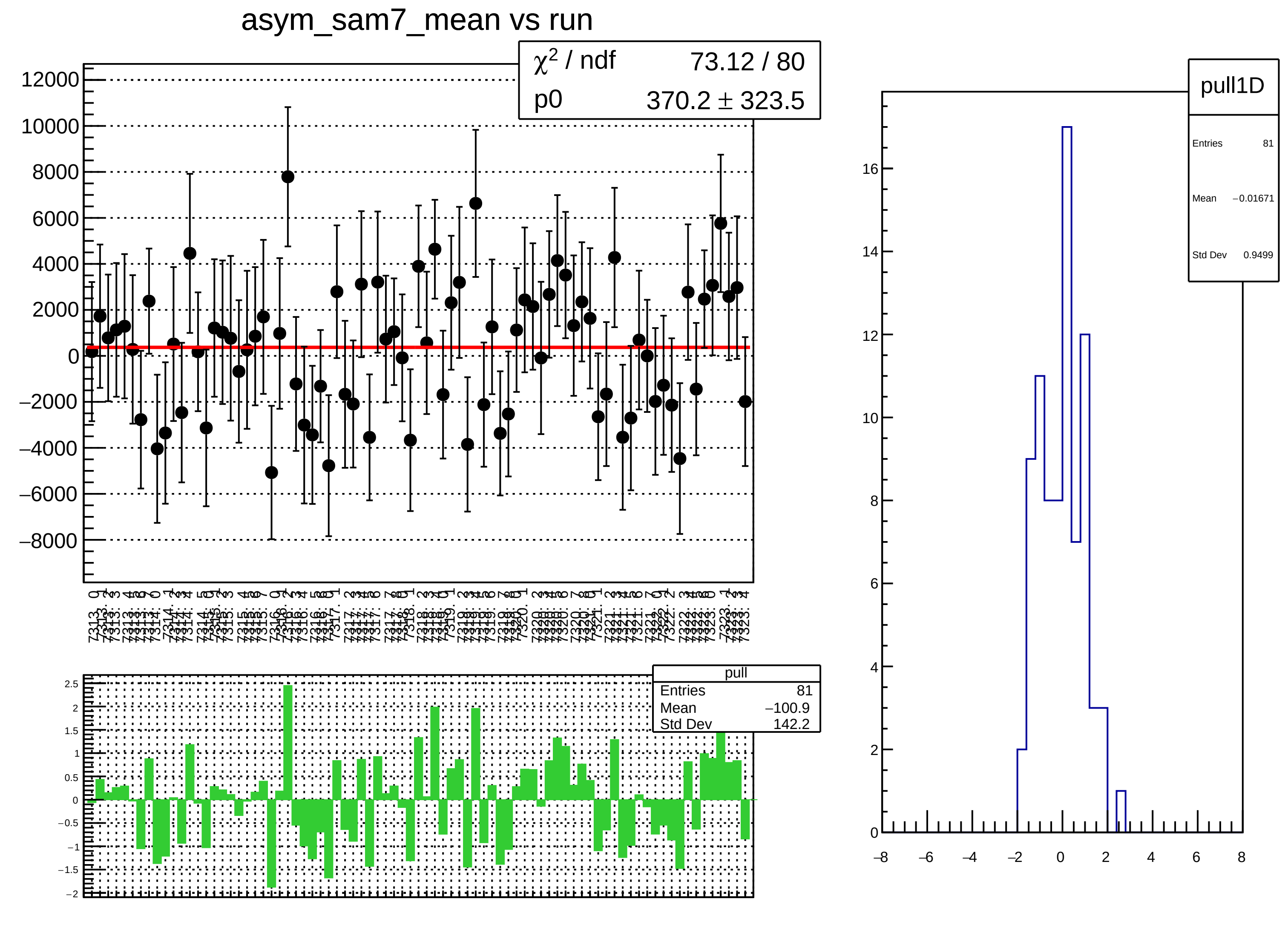
dit_asym_sam7_rms vs run
χ^2 / ndf 4.841e+04 / 80
p0 69.38 ± 0.05661
120
110
100
90
80
70
60



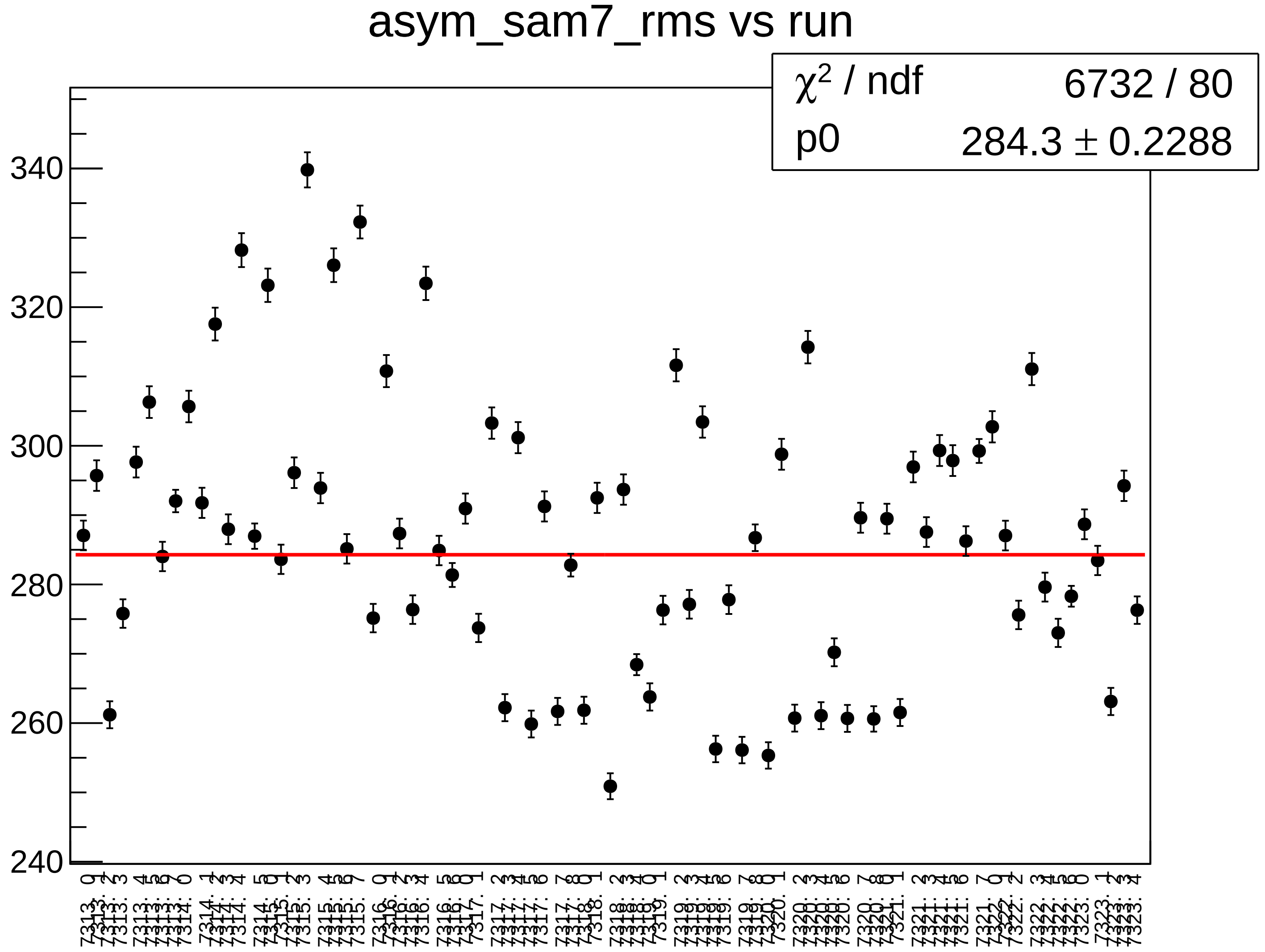
asym_sam7_correction_mean vs run
χ^2 / ndf 82.17 / 80
p0 −304.1 ± 324.2
pull
Entries 81
Mean −165.2
Std Dev 205.4
pull1D
Entries 81
Mean 0.01722
Std Dev 1.007



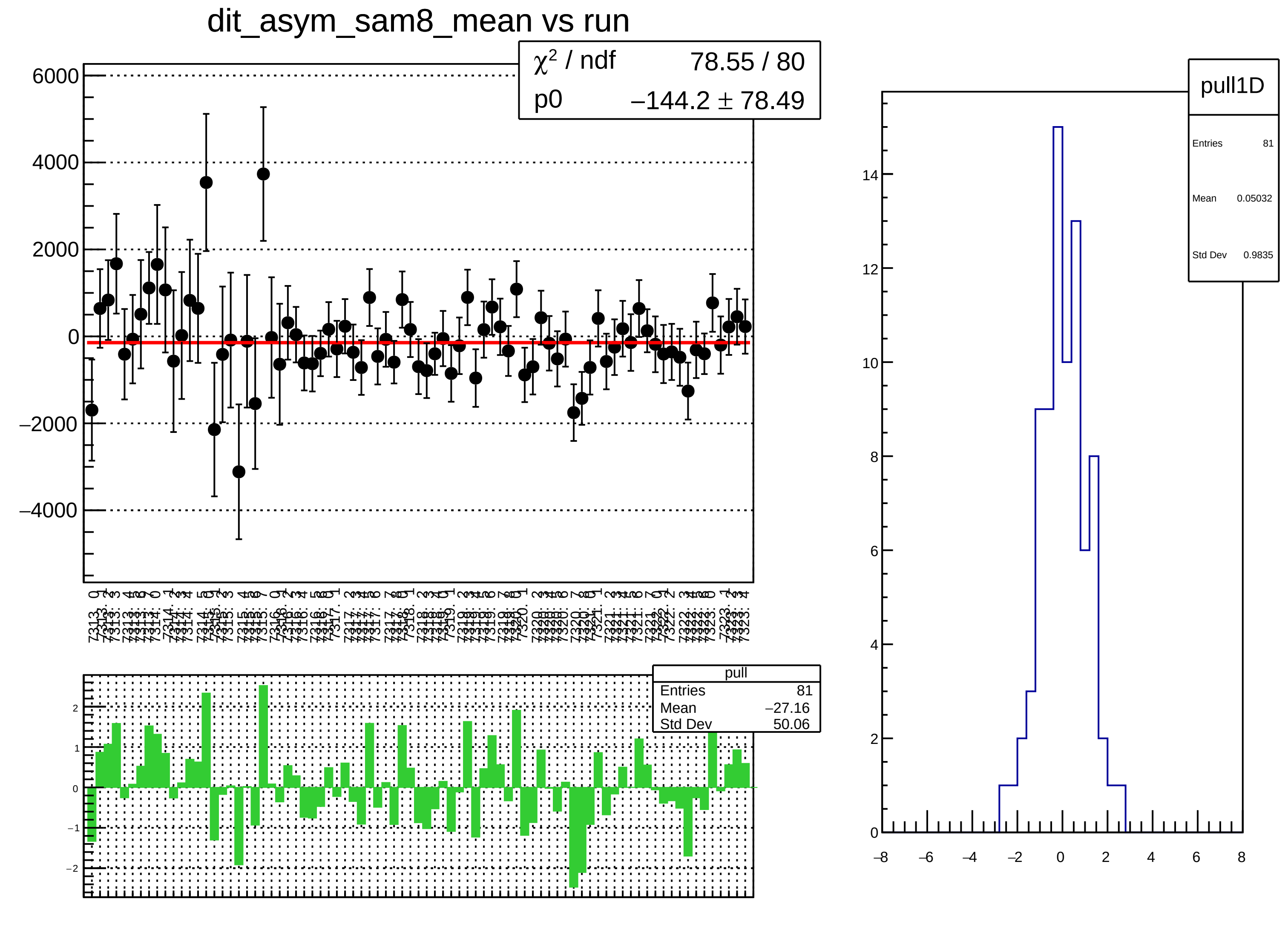
asym_sam7_correction_rms vs run
χ2 / ndf 4980 / 80
p0 285.1 ± 0.2293
330
320
310
300
290
280
270
260
250



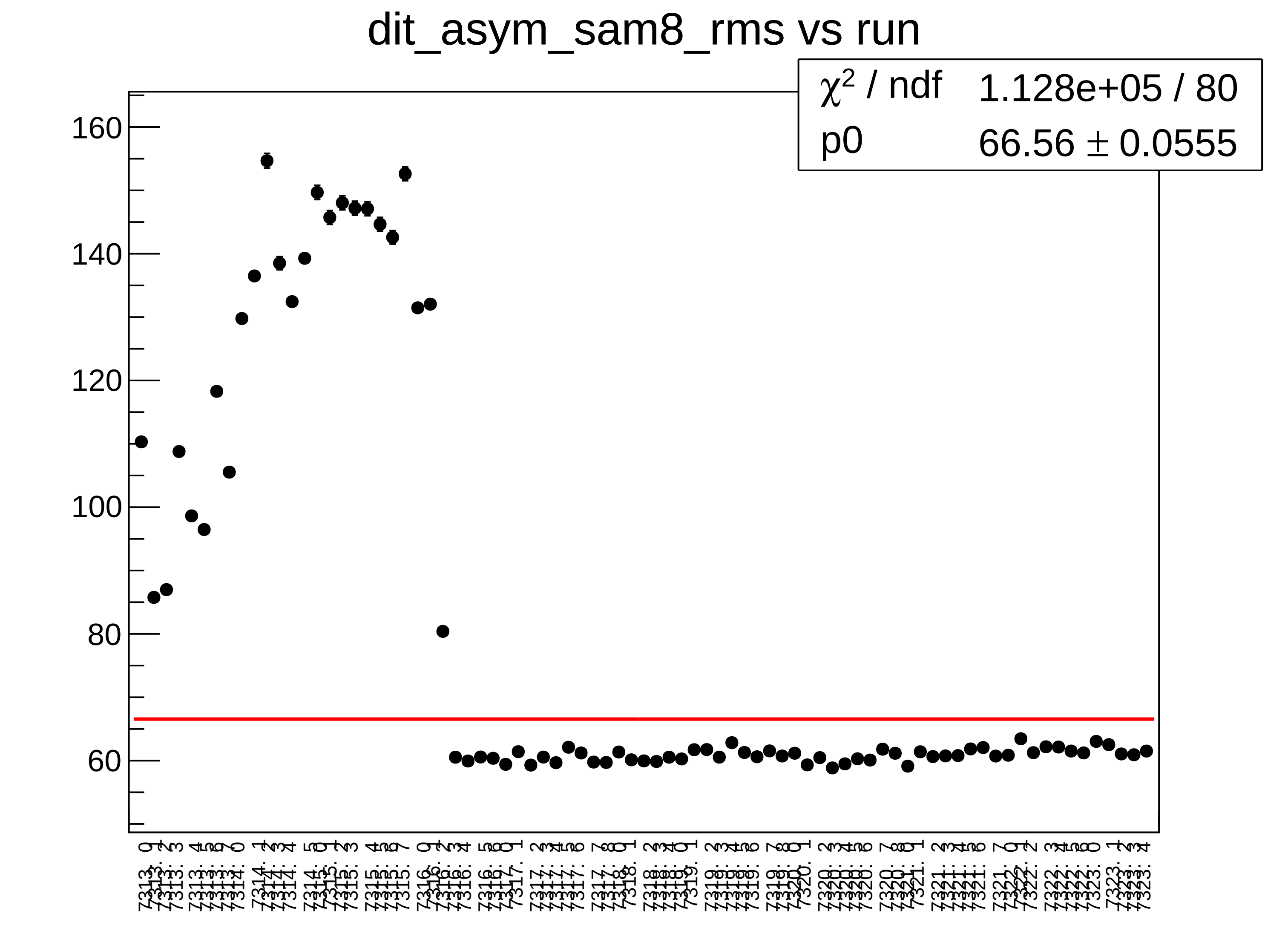
asym_sam7_mean vs run
χ^2 / ndf 73.12 / 80
p0 370.2 ± 323.5
pull
Entries 81
Mean −100.9
Std Dev 142.2
pull1D
Entries 81
Mean −0.01671
Std Dev 0.9499

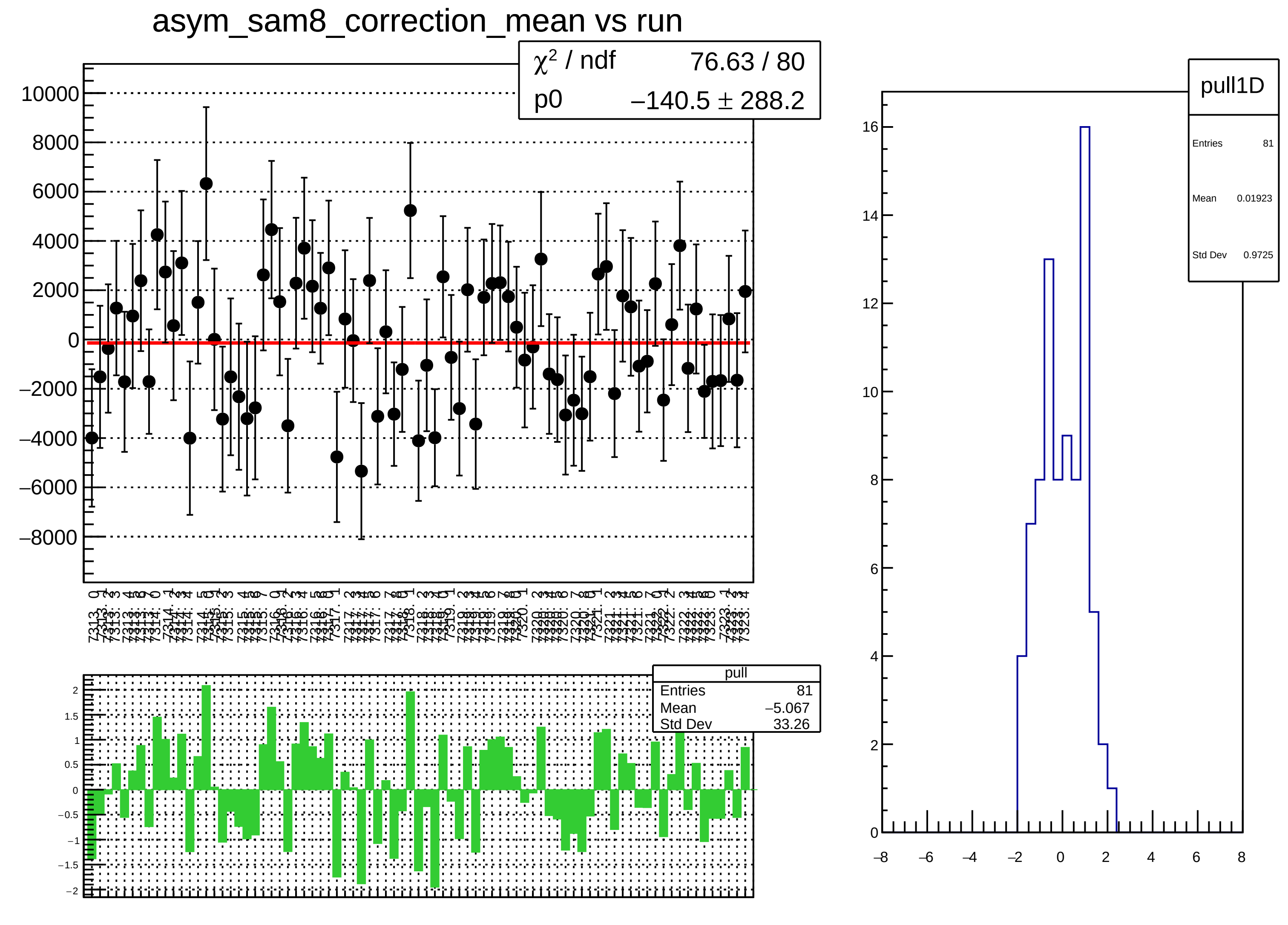


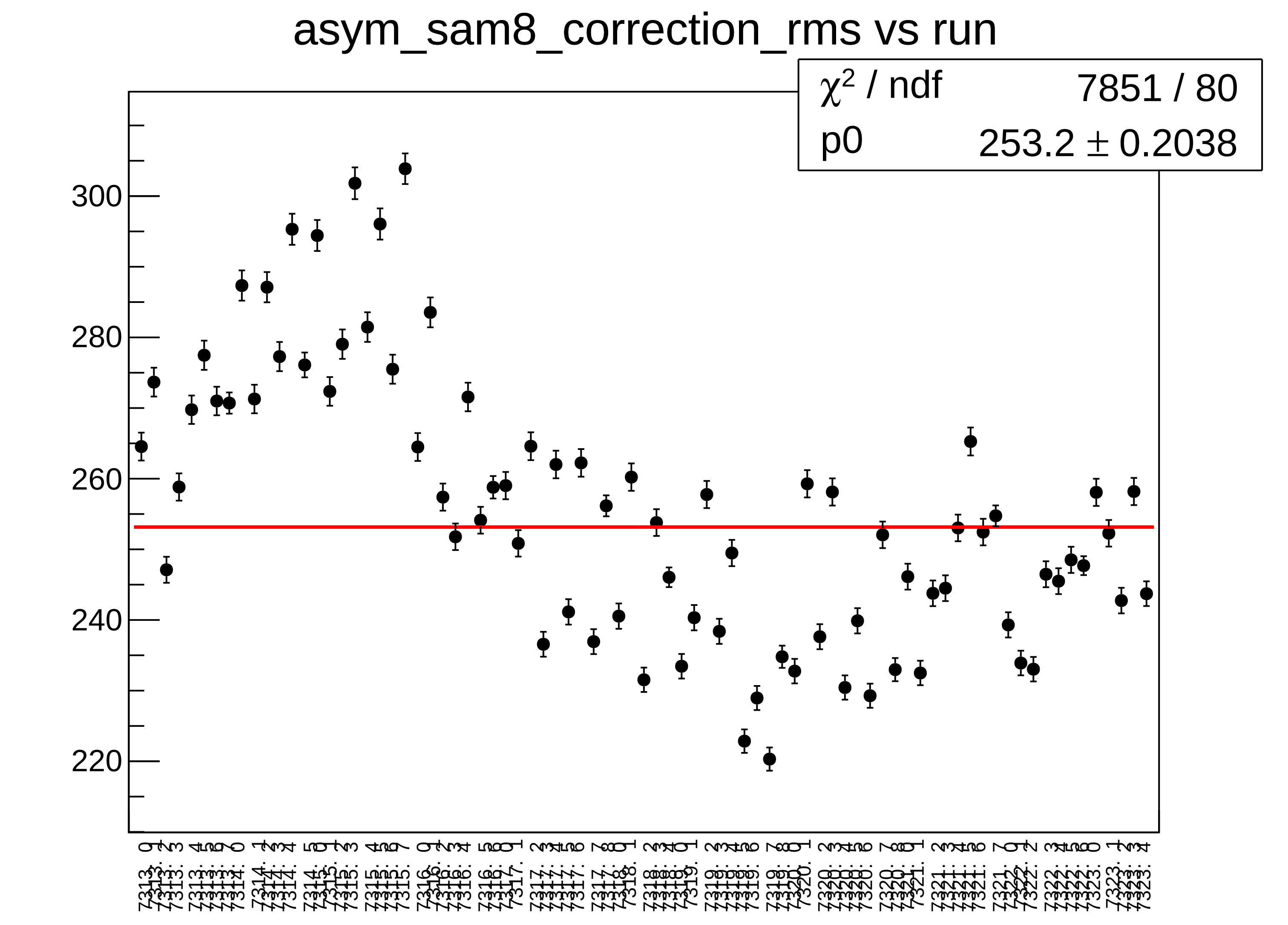
asym_sam7_rms vs run
χ2 / ndf 6732 / 80
p0 284.3 ± 0.2288
340
320
300
280
260
240



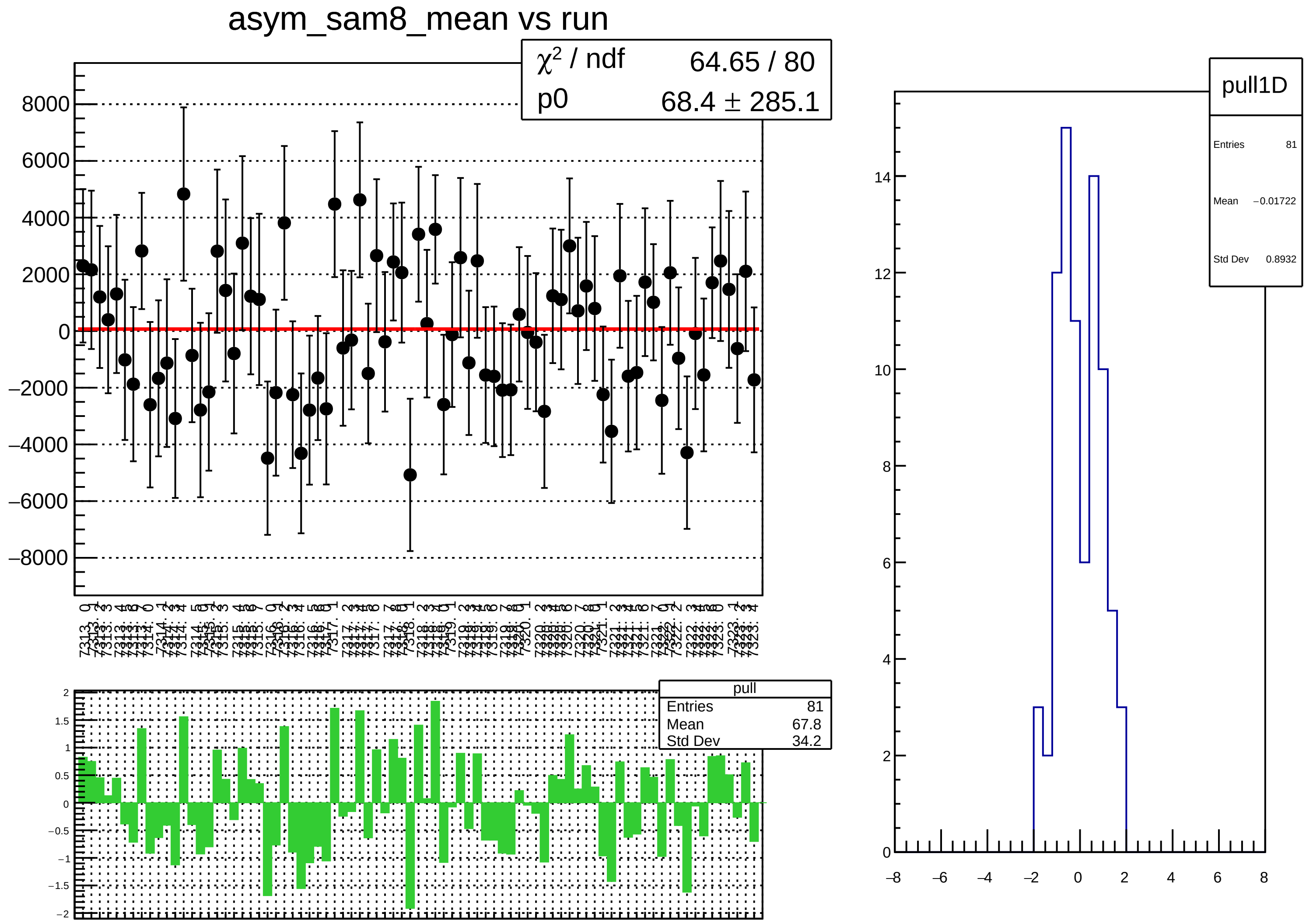
dit_asym_sam8_mean vs run
χ^2 / ndf 78.55 / 80
p0 −144.2 ± 78.49
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −27.16
Std Dev 50.06
pull1D
Entries 81
Mean 0.05032
Std Dev 0.9835


dit_asym_sam8_rms vs run
χ^2 / ndf 1.128e+05 / 80
p0 66.56 ± 0.0555
160
140
120
100
80
60

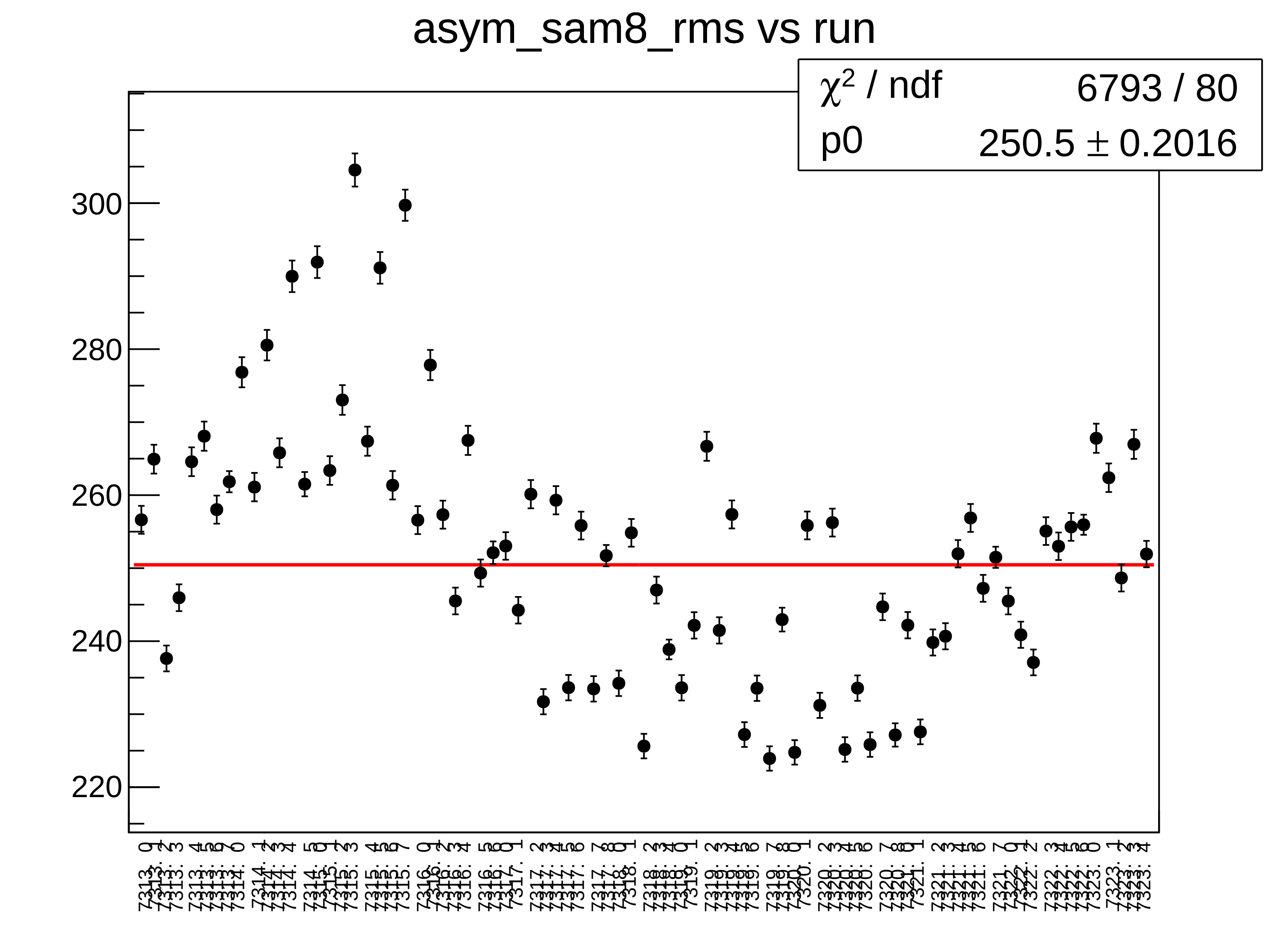

asym_sam8_correction_mean vs run
χ^2 / ndf 76.63 / 80
p0 −140.5 ± 288.2
pull
Entries 81
Mean −5.067
Std Dev 33.26
pull1D
Entries 81
Mean 0.01923
Std Dev 0.9725



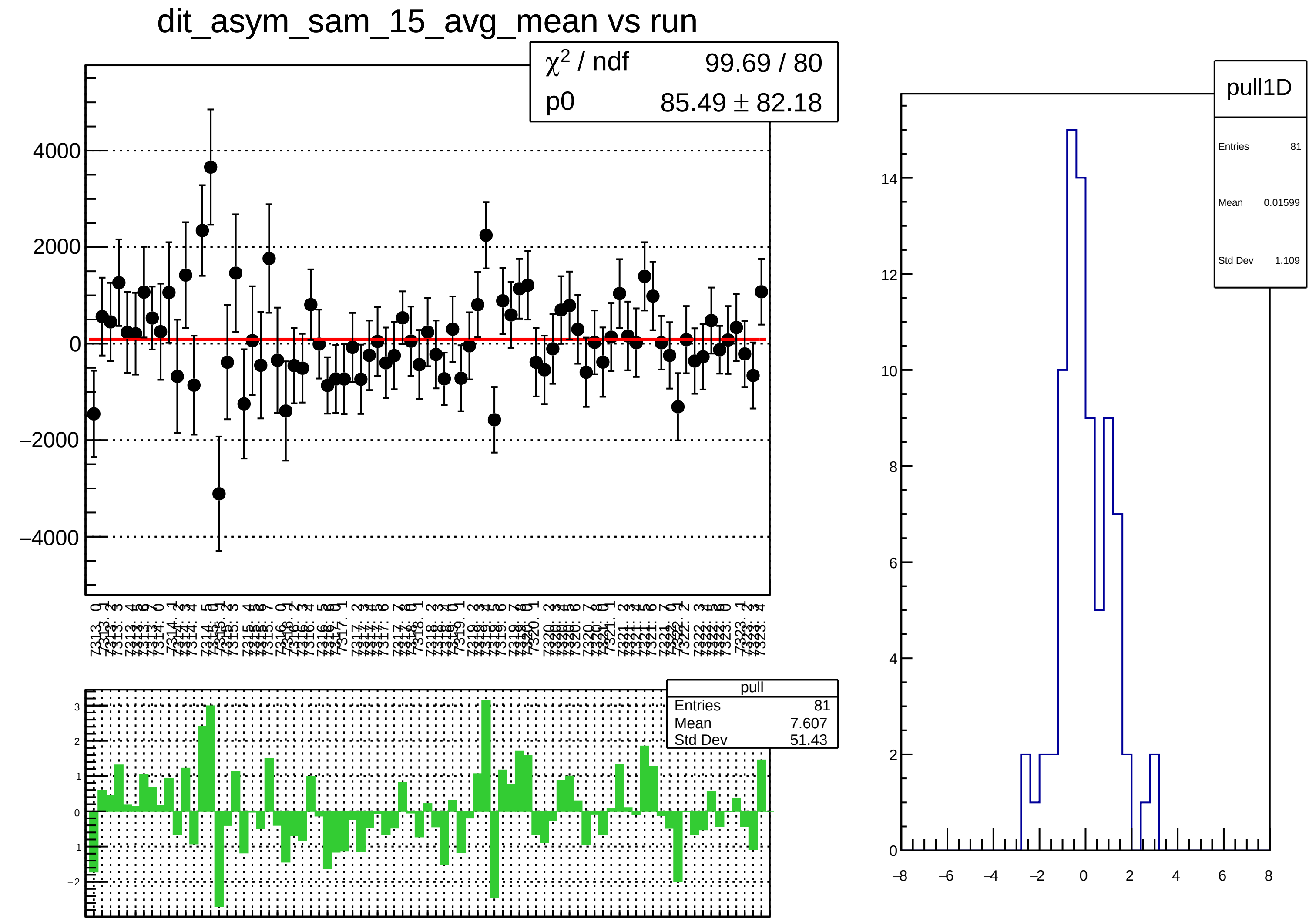
asym_sam8_correction_rms vs run
χ2 / ndf 7851 / 80
p0 253.2 ± 0.2038
300
280
260
240
220

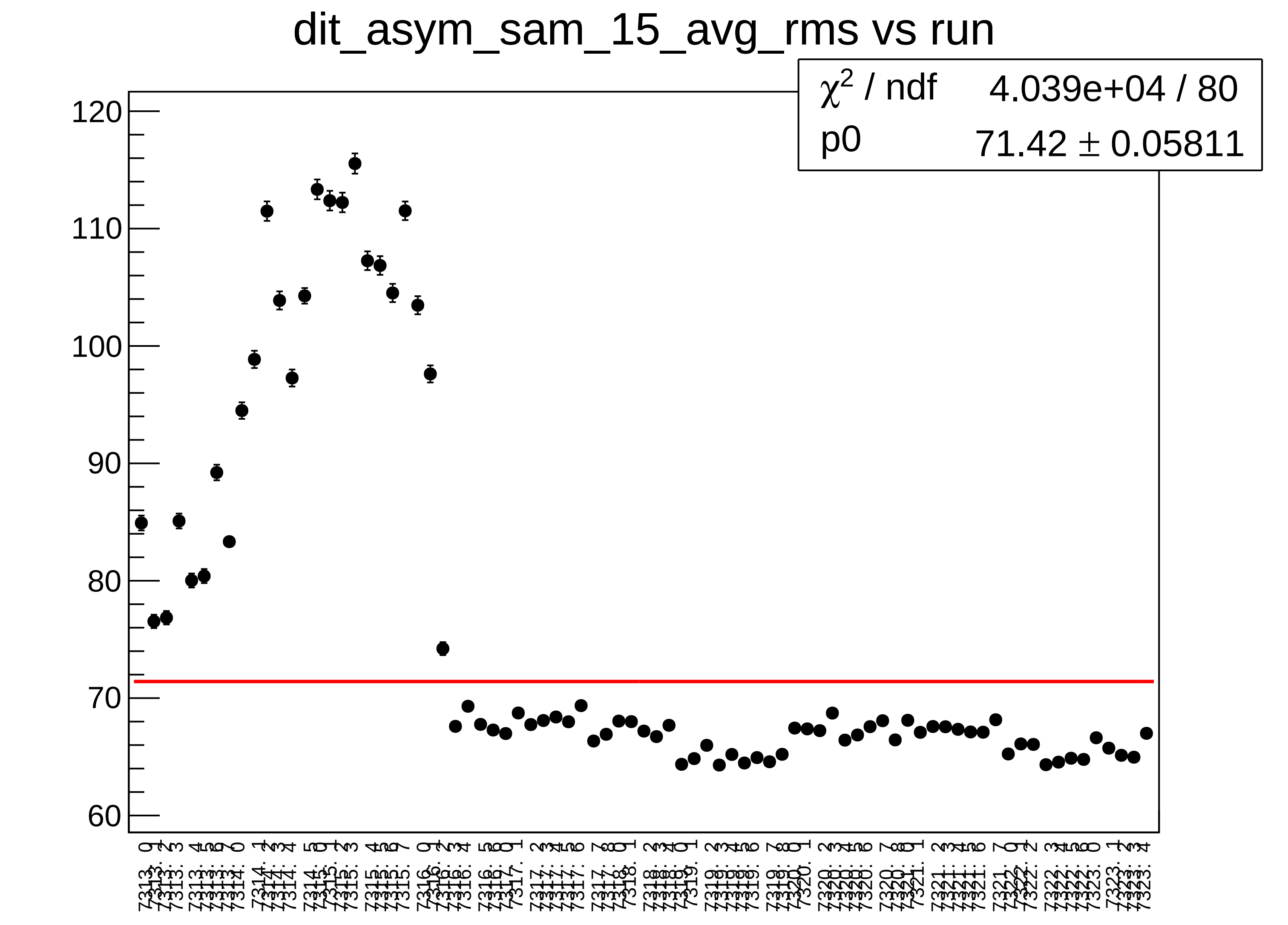


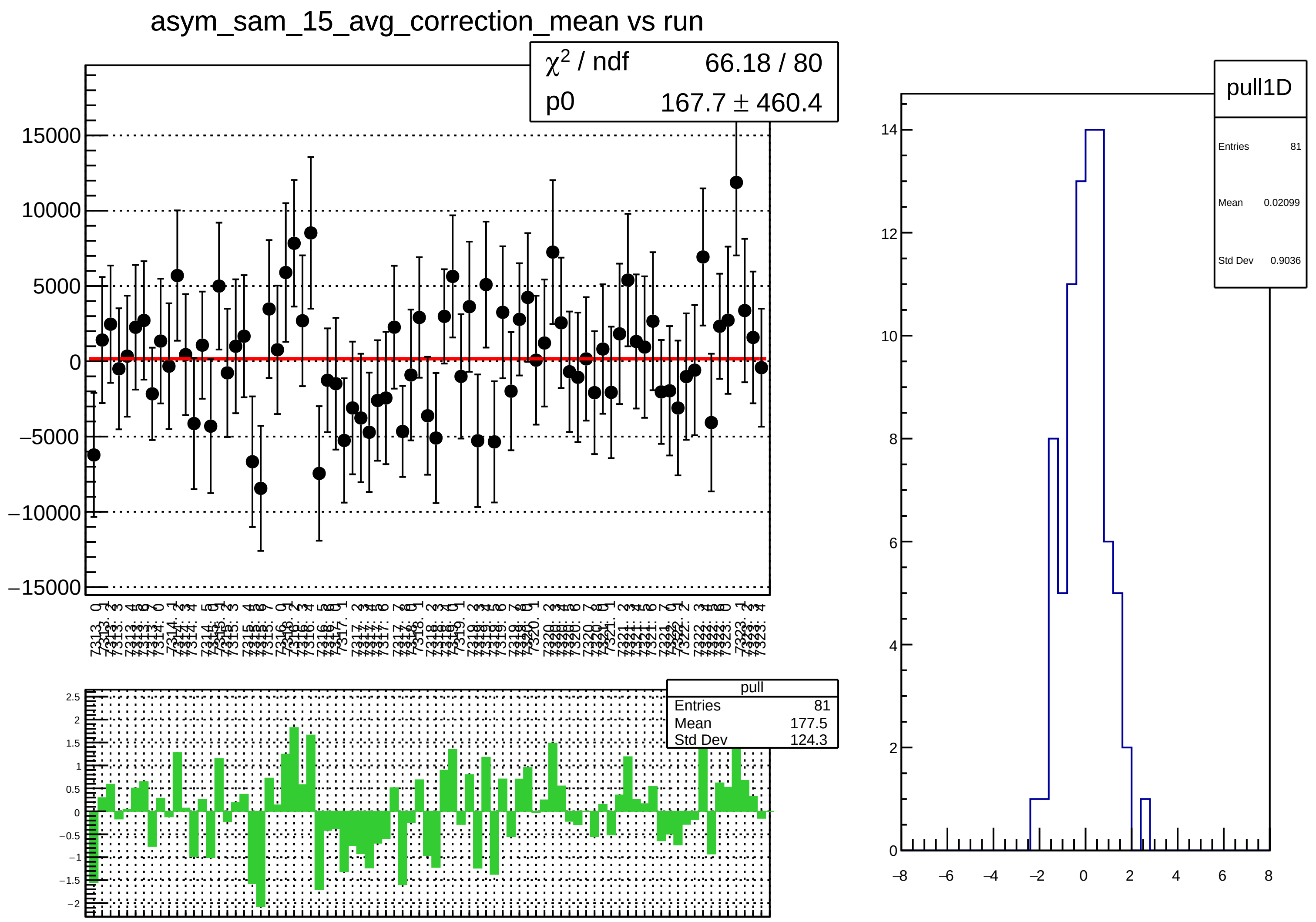
asym_sam8_mean vs run
χ^2 / ndf 64.65 / 80
p0 68.4 ± 285.1
pull
Entries 81
Mean 67.8
Std Dev 34.2
pull1D
Entries 81
Mean −0.01722
Std Dev 0.8932



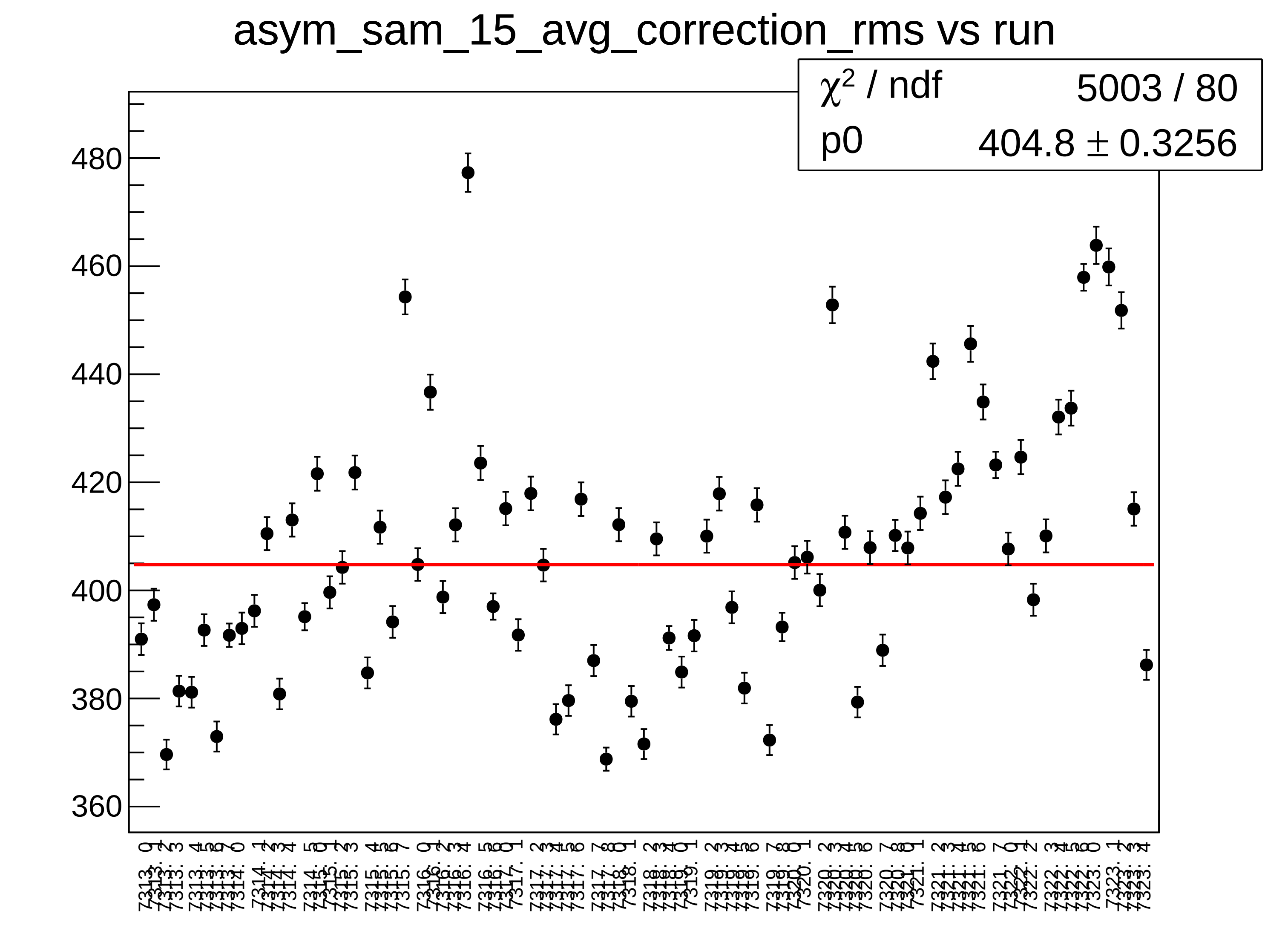
asym_sam8_rms vs run
χ^2 / ndf 6793 / 80
p0 250.5 ± 0.2016
300
280
260
240
220


dit_asym_sam_15_avg_mean vs run
χ2 / ndf 99.69 / 80
p0 85.49 ± 82.18
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 7.607
Std Dev 51.43
pull1D
Entries 81
Mean 0.01599
Std Dev 1.109

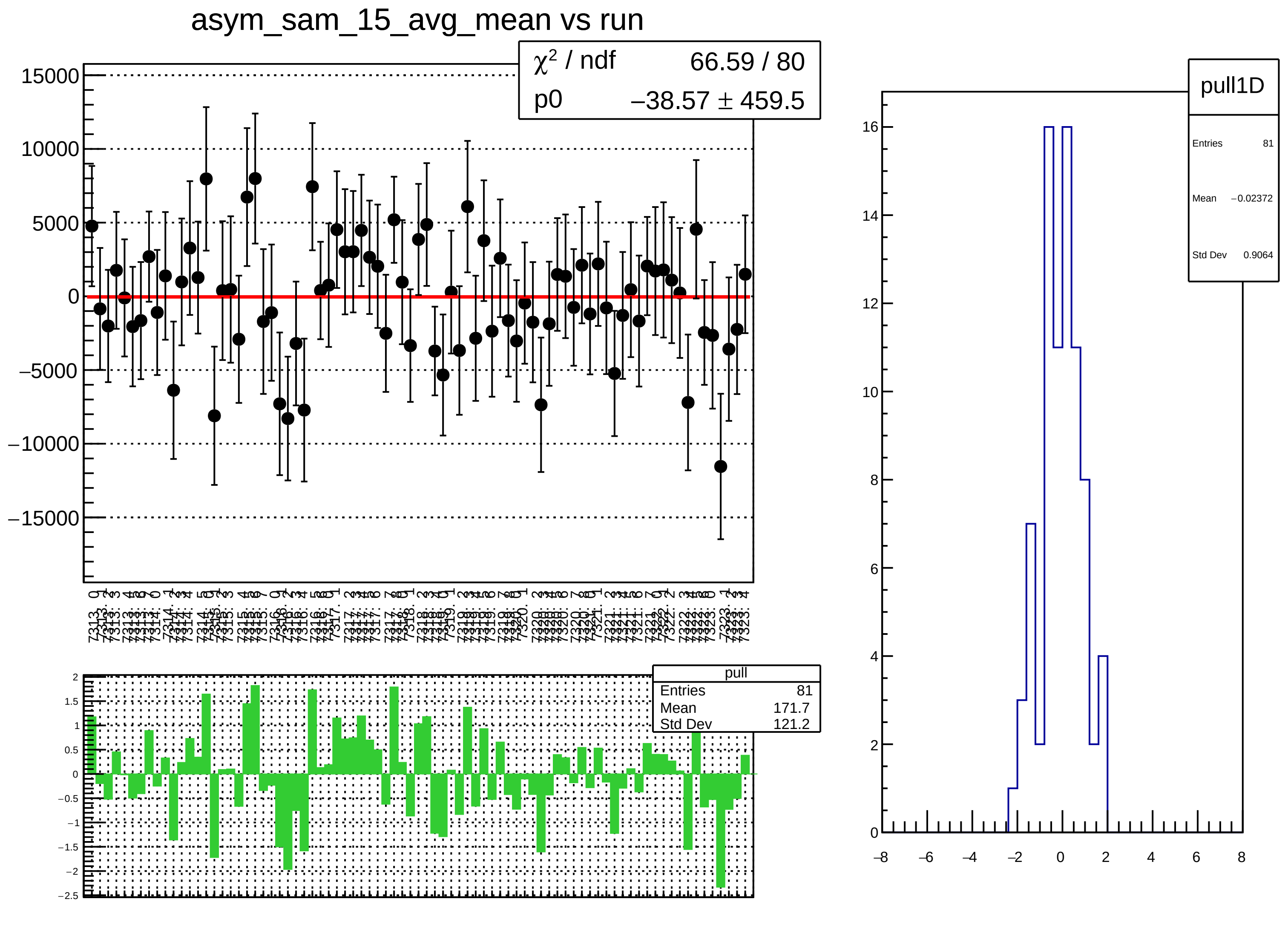

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 4.039e+04 / 80
p0 71.42 ± 0.05811



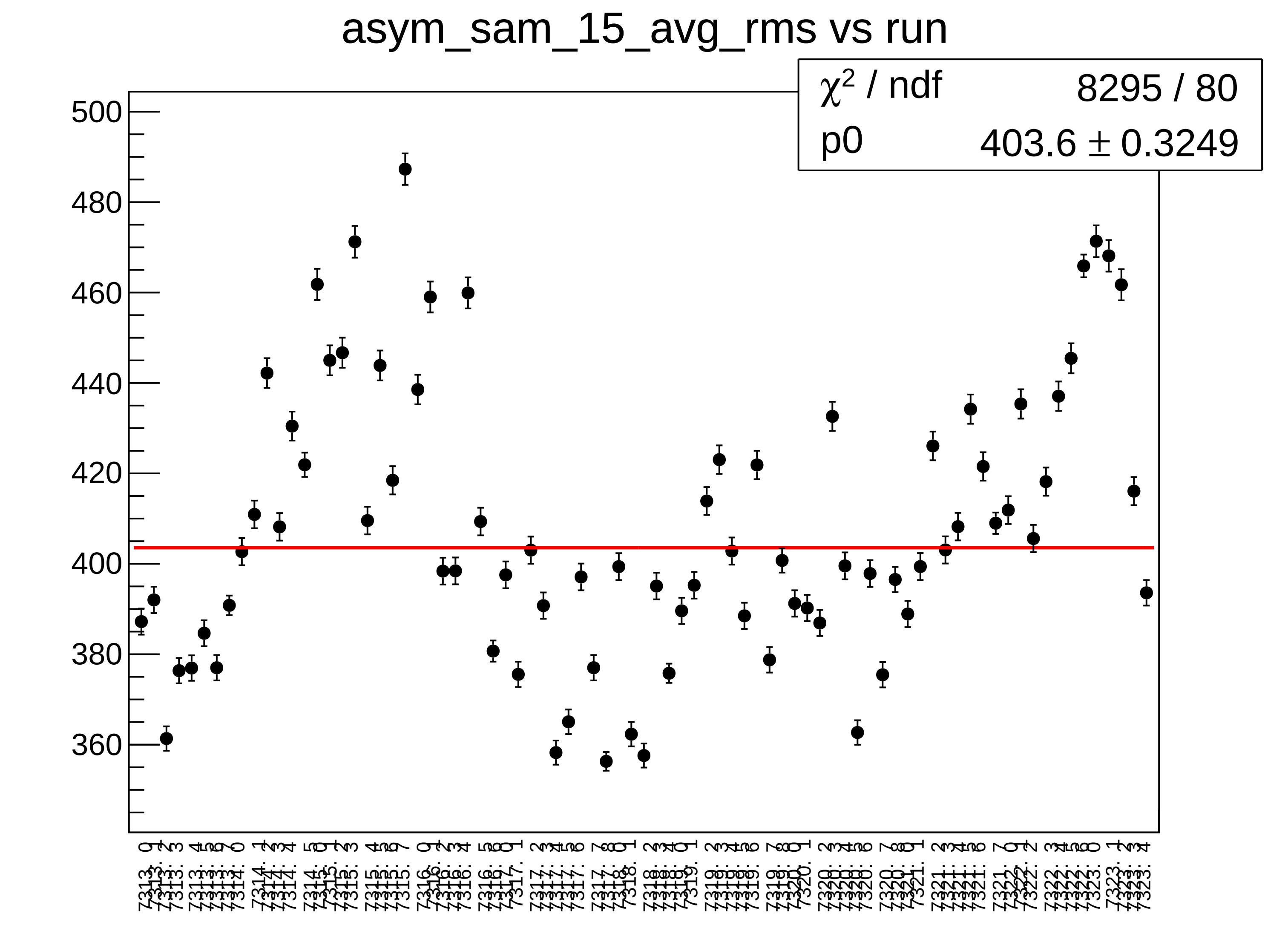
asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 66.18 / 80
p0 167.7 ± 460.4
pull
Entries 81
Mean 177.5
Std Dev 124.3
pull1D
Entries 81
Mean 0.02099
Std Dev 0.9036



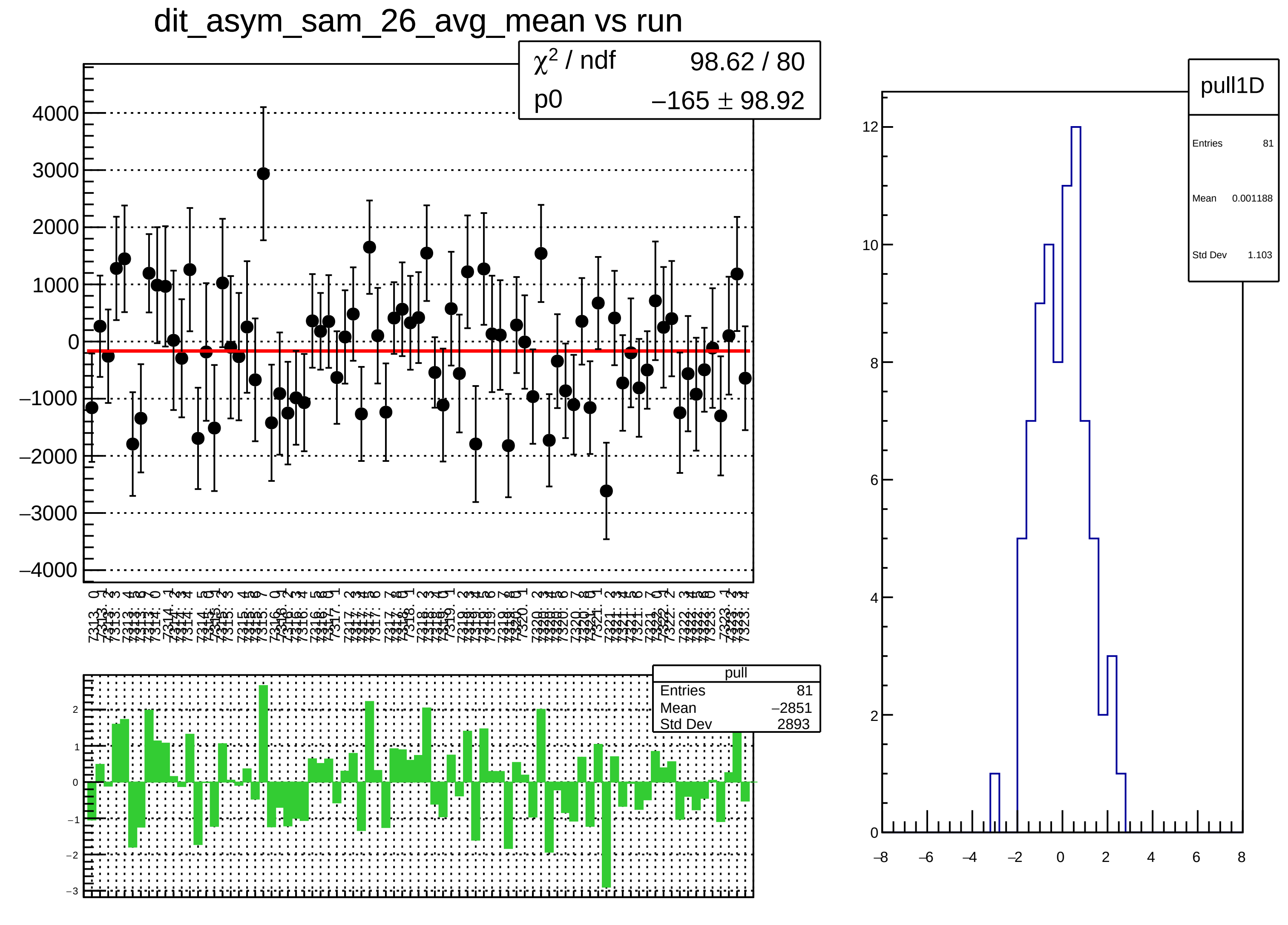
asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 5003 / 80
p0 404.8 ± 0.3256
480
460
440
420
400
380
360



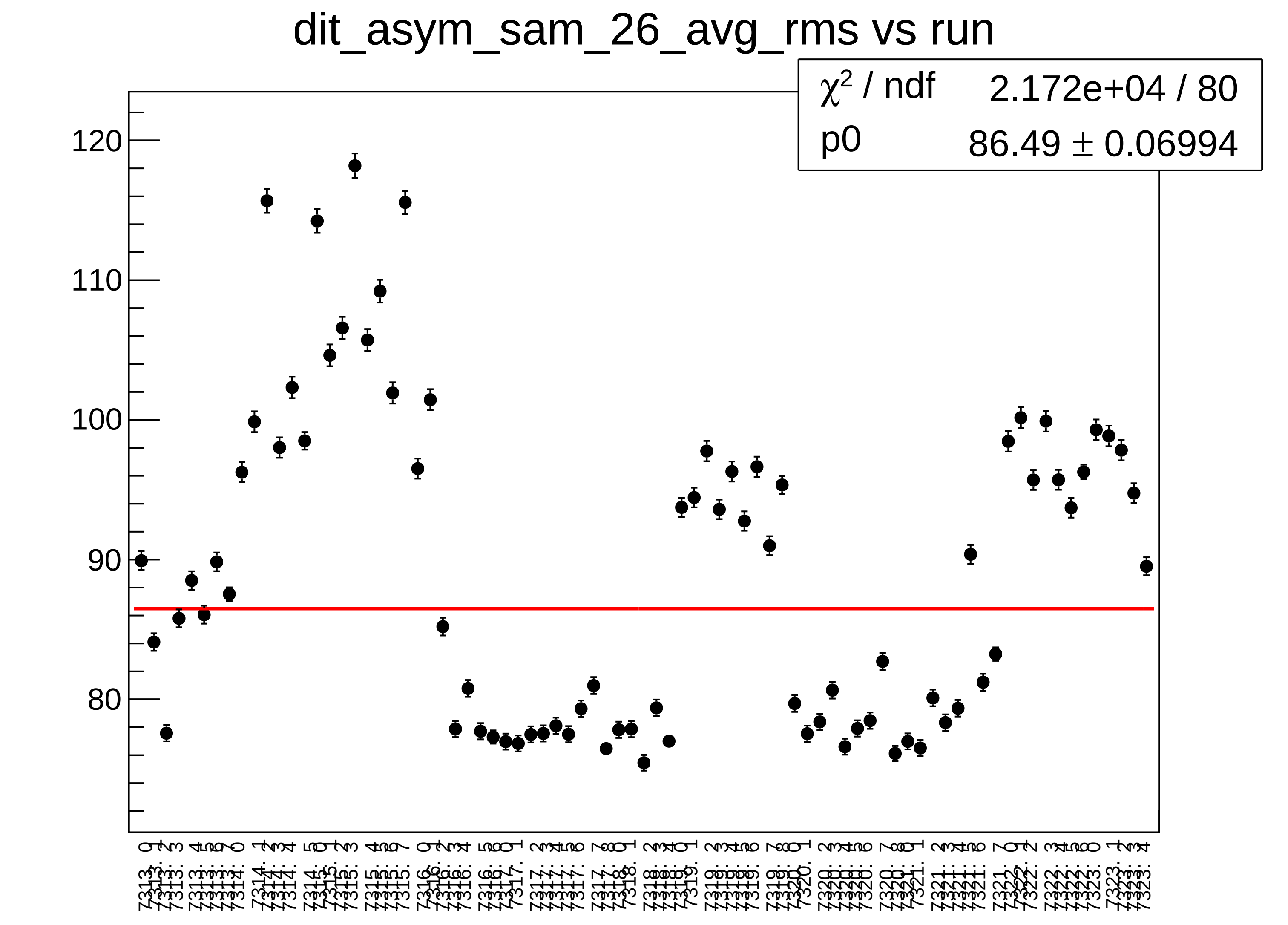
asym_sam_15_avg_mean vs run
χ² / ndf 66.59 / 80
p0 −38.57 ± 459.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 171.7
Std Dev 121.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −0.02372
Std Dev 0.9064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



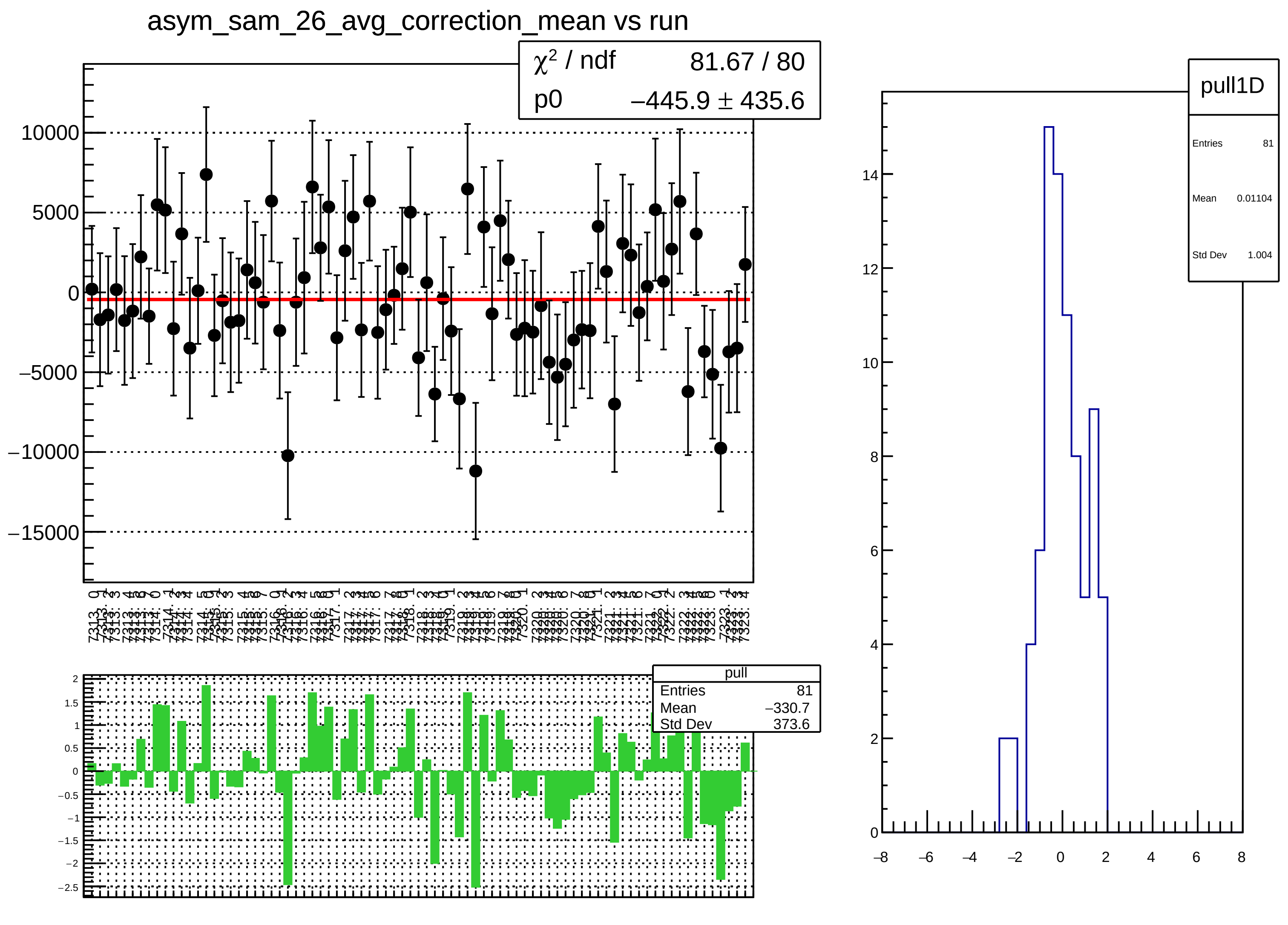
asym_sam_15_avg_rms vs run
χ^2 / ndf 8295 / 80
p0 403.6 ± 0.3249
500
480
460
440
420
400
380
360



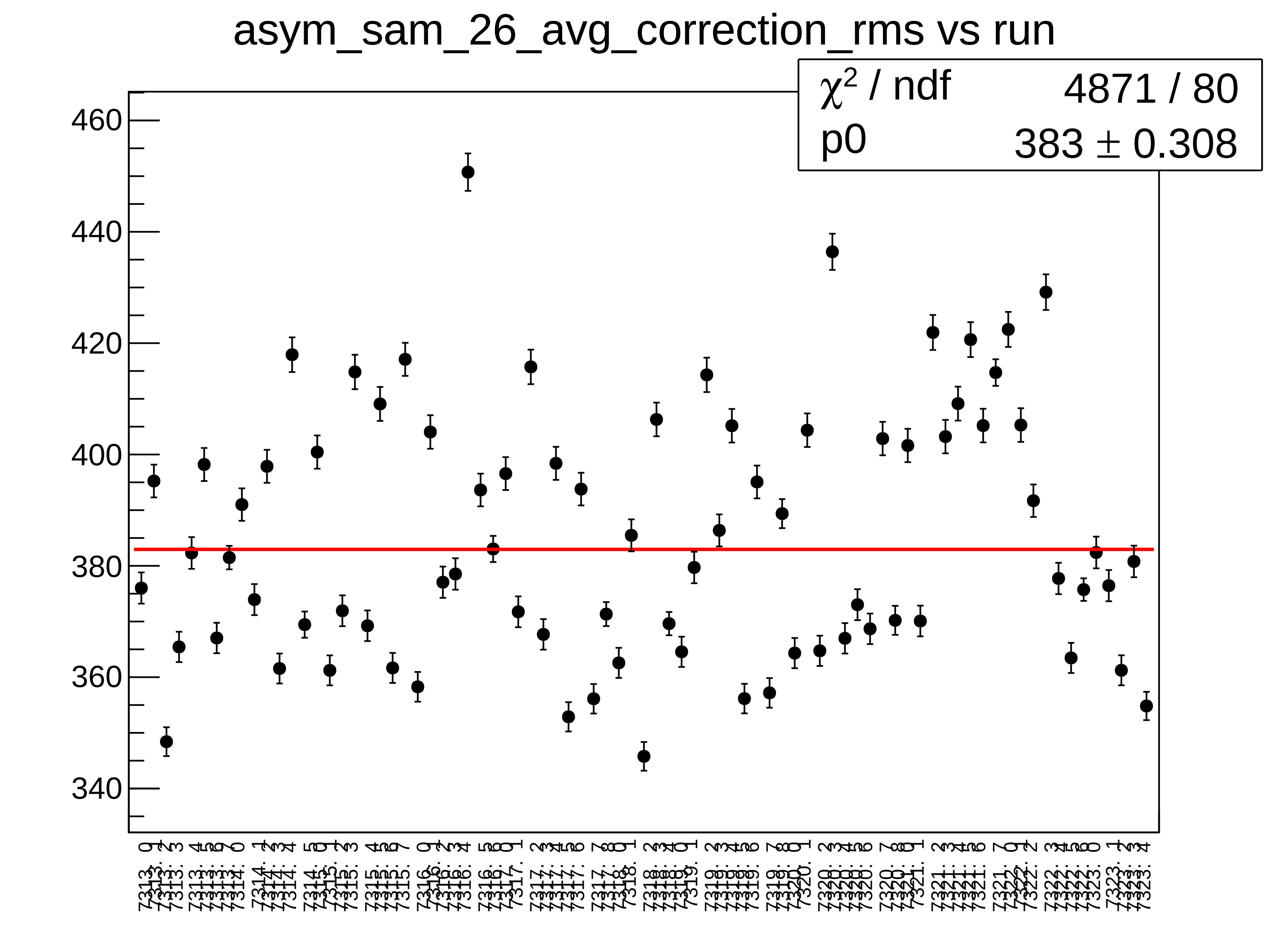
dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 98.62 / 80
p0 −165 ± 98.92
pull
Entries 81
Mean −2851
Std Dev 2893
pull1D
Entries 81
Mean 0.001188
Std Dev 1.103



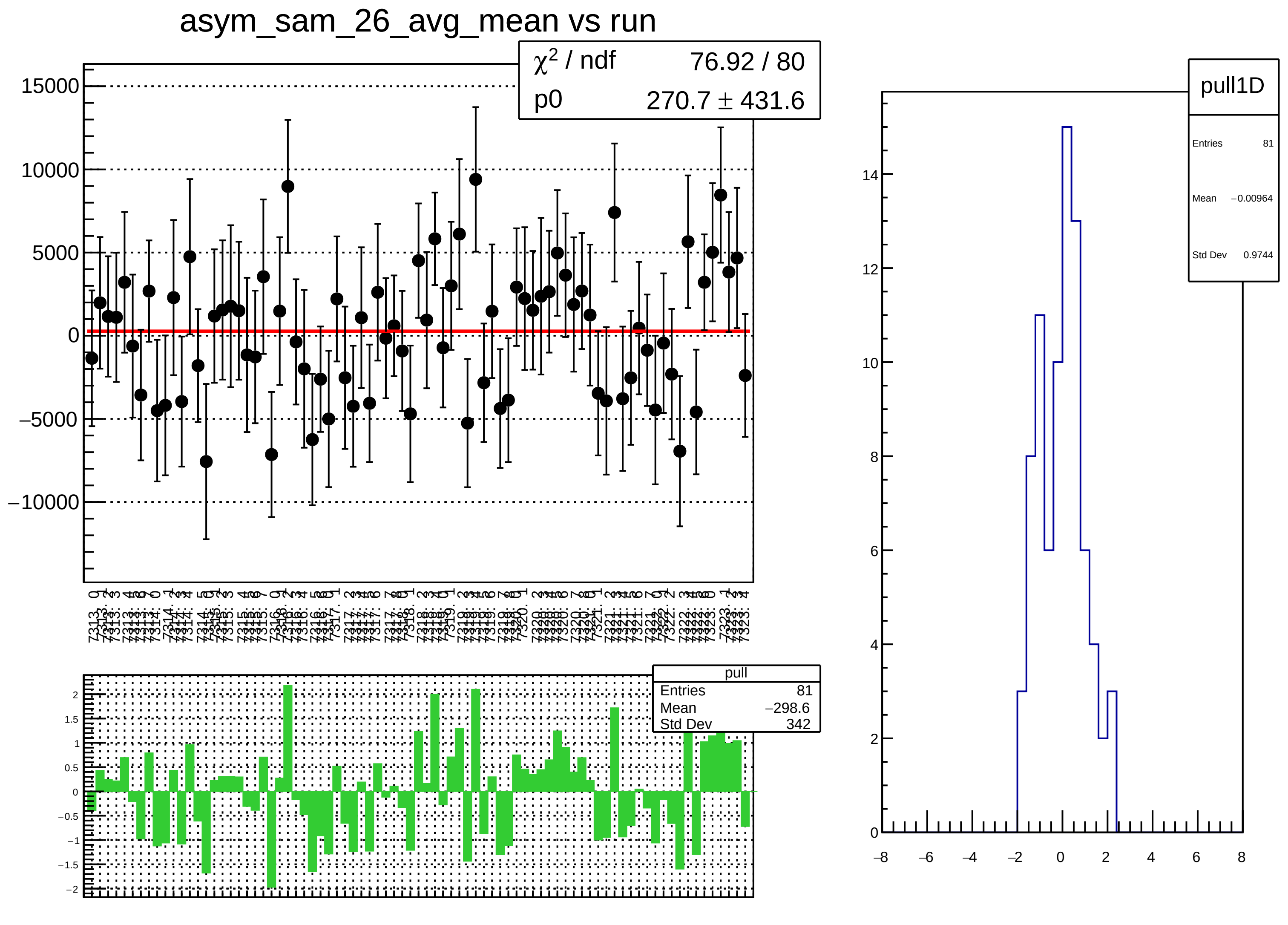
dit_asym_sam_26_avg_rms vs run
χ2 / ndf 2.172e+04 / 80
p0 86.49 ± 0.06994
120
110
100
90
80



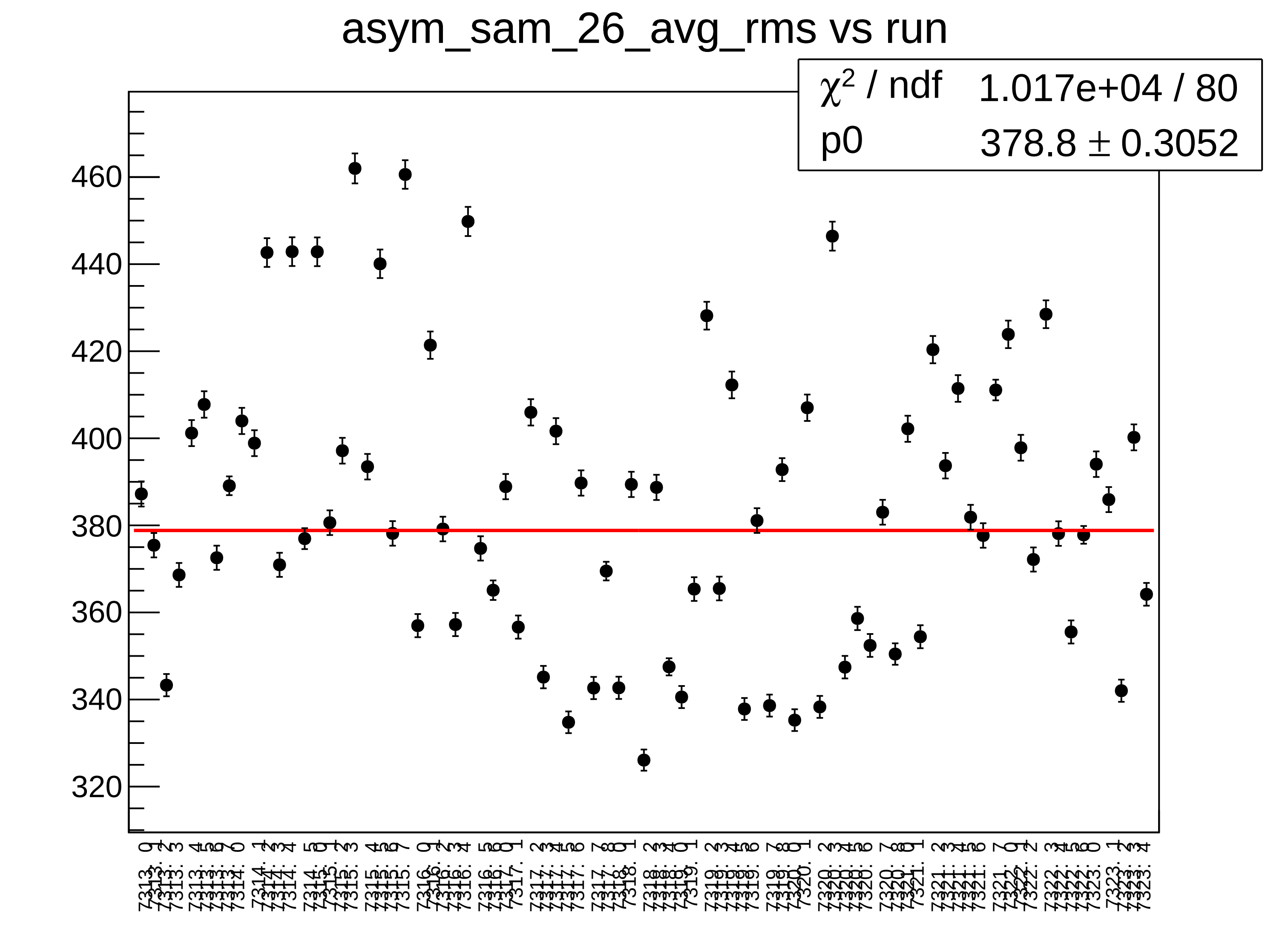
asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 81.67 / 80
p0 −445.9 ± 435.6
pull
Entries 81
Mean −330.7
Std Dev 373.6
pull1D
Entries 81
Mean 0.01104
Std Dev 1.004

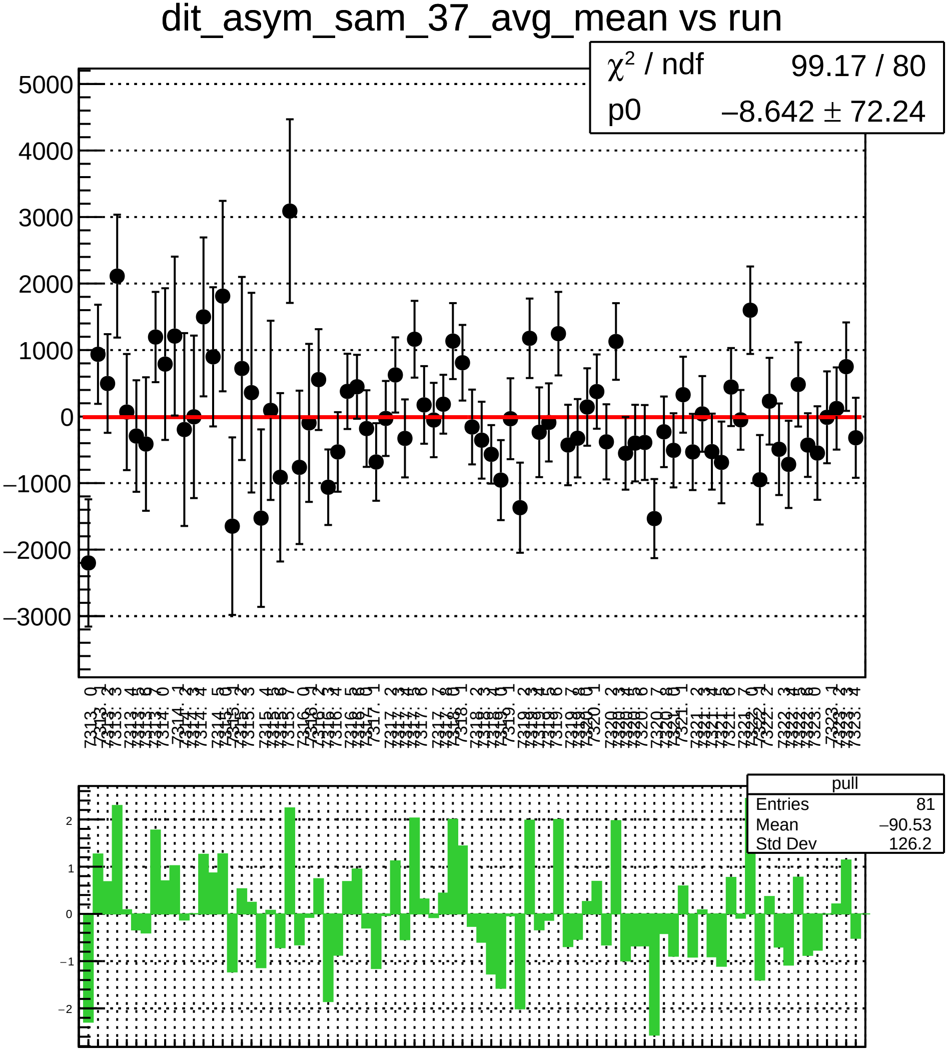


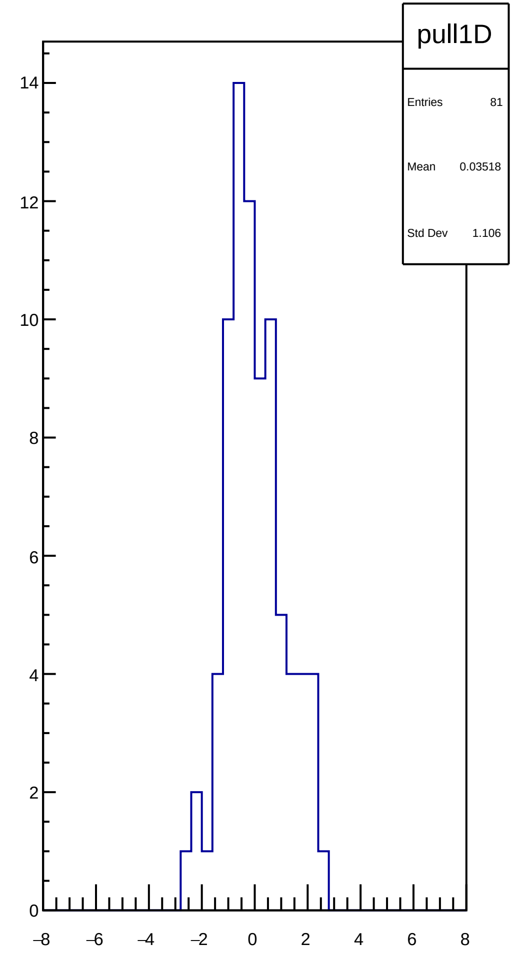
asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 4871 / 80
p0 383 ± 0.308
460
440
420
400
380
360
340

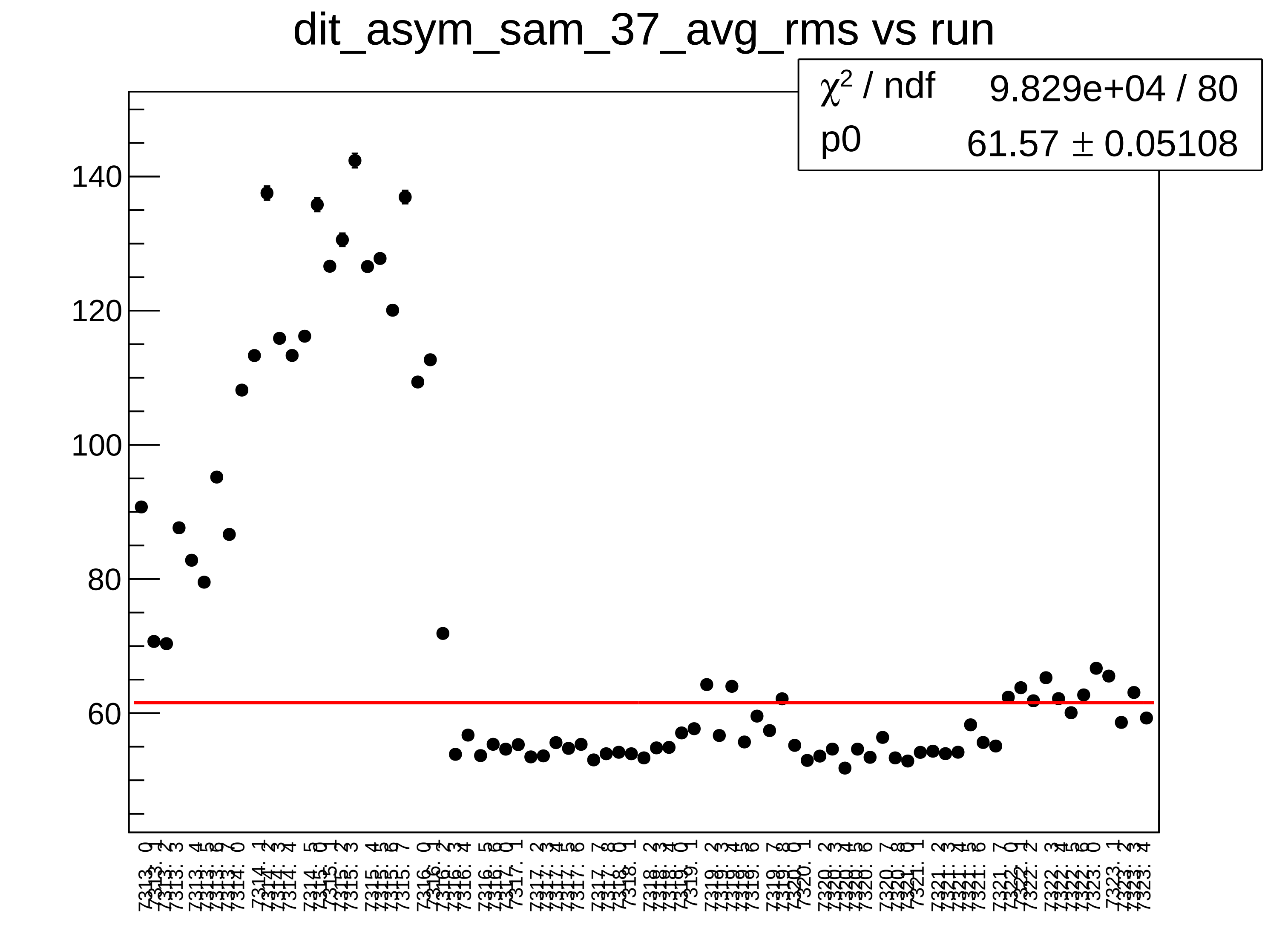


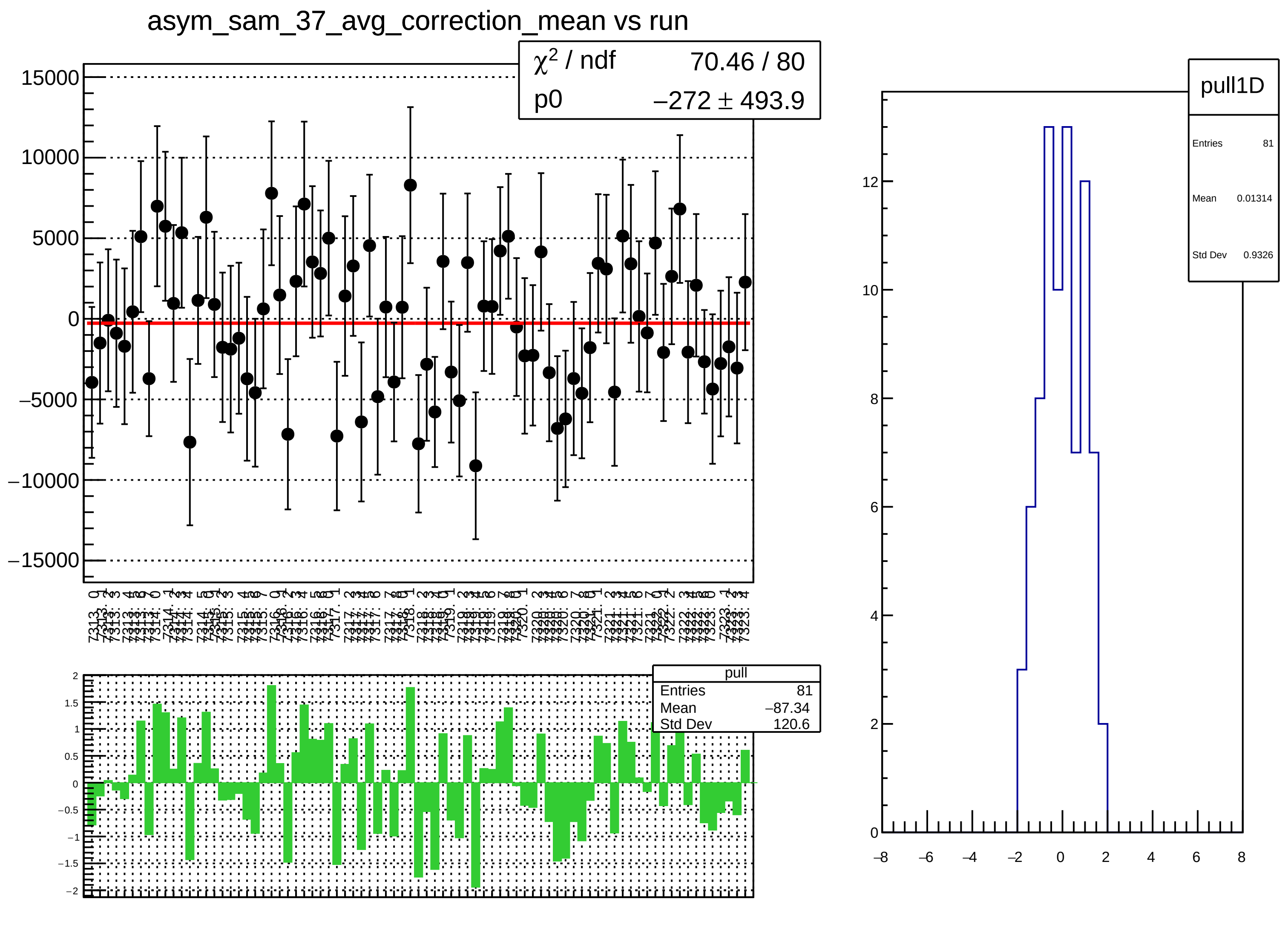
asym_sam_26_avg_mean vs run
χ² / ndf 76.92 / 80
p0 270.7 ± 431.6
pull
Entries 81
Mean −298.6
Std Dev 342
pull1D
Entries 81
Mean −0.00964
Std Dev 0.9744

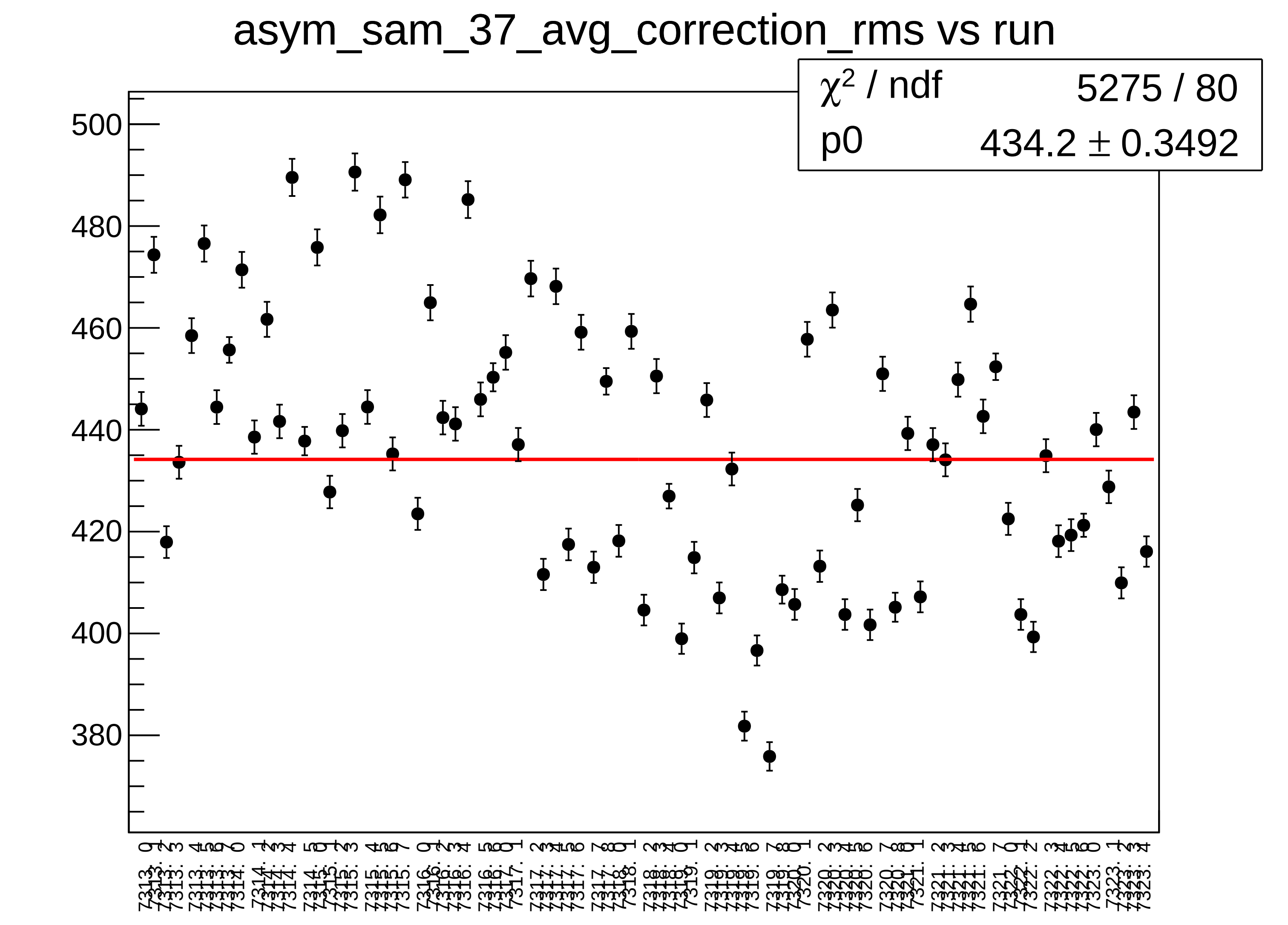

asym_sam_26_avg_rms vs run
χ2 / ndf 1.017e+04 / 80
p0 378.8 ± 0.3052
460
440
420
400
380
360
340
320


dit_asym_sam_37_avg_mean vs run
χ2 / ndf 99.17 / 80
p0 −8.642 ± 72.24
pull
Entries 81
Mean −90.53
Std Dev 126.2

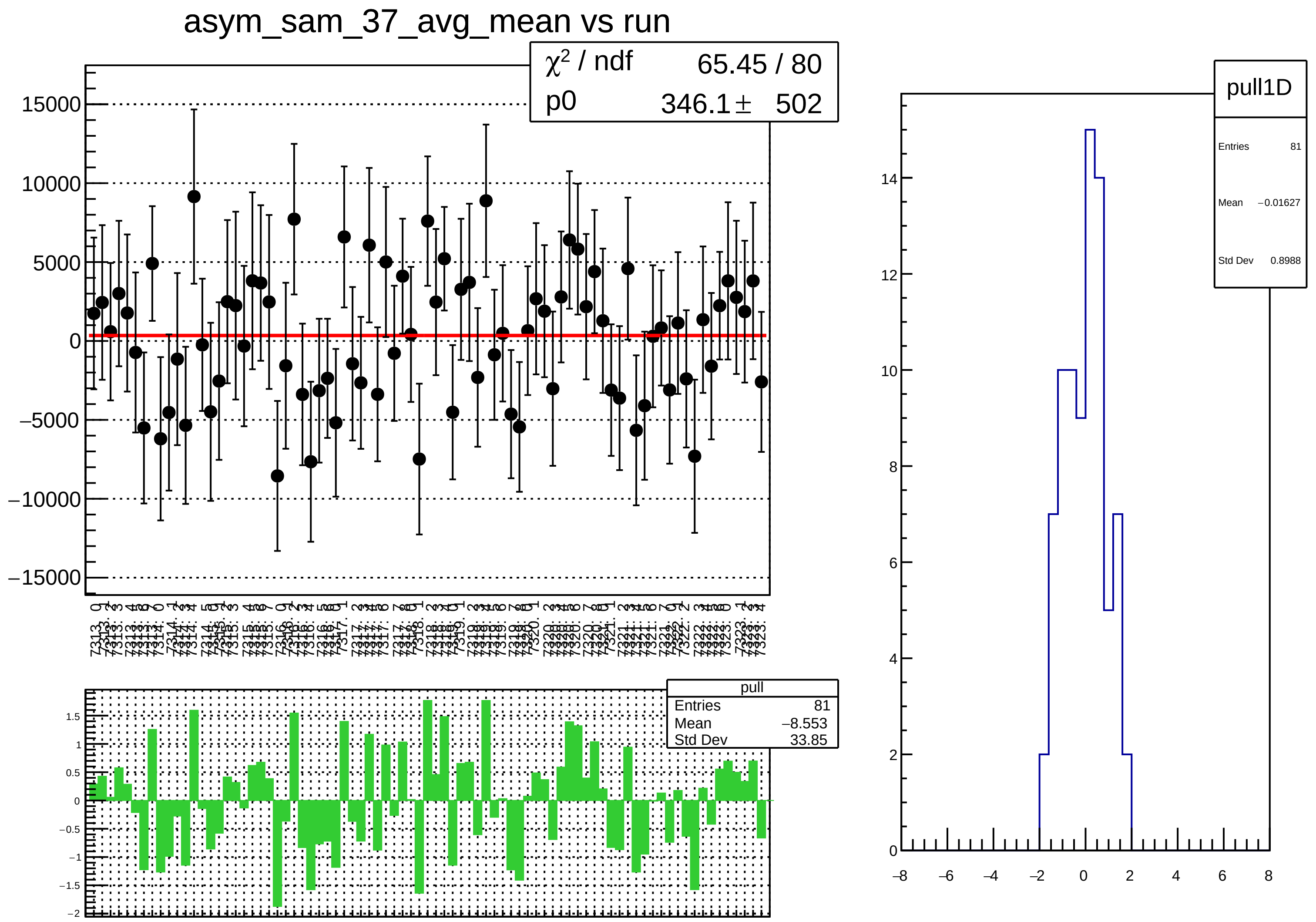

pull1D
Entries 81
Mean 0.03518
Std Dev 1.106


dit_asym_sam_37_avg_rms vs run
χ2 / ndf 9.829e+04 / 80
p0 61.57 ± 0.05108
140
120
100
80
60

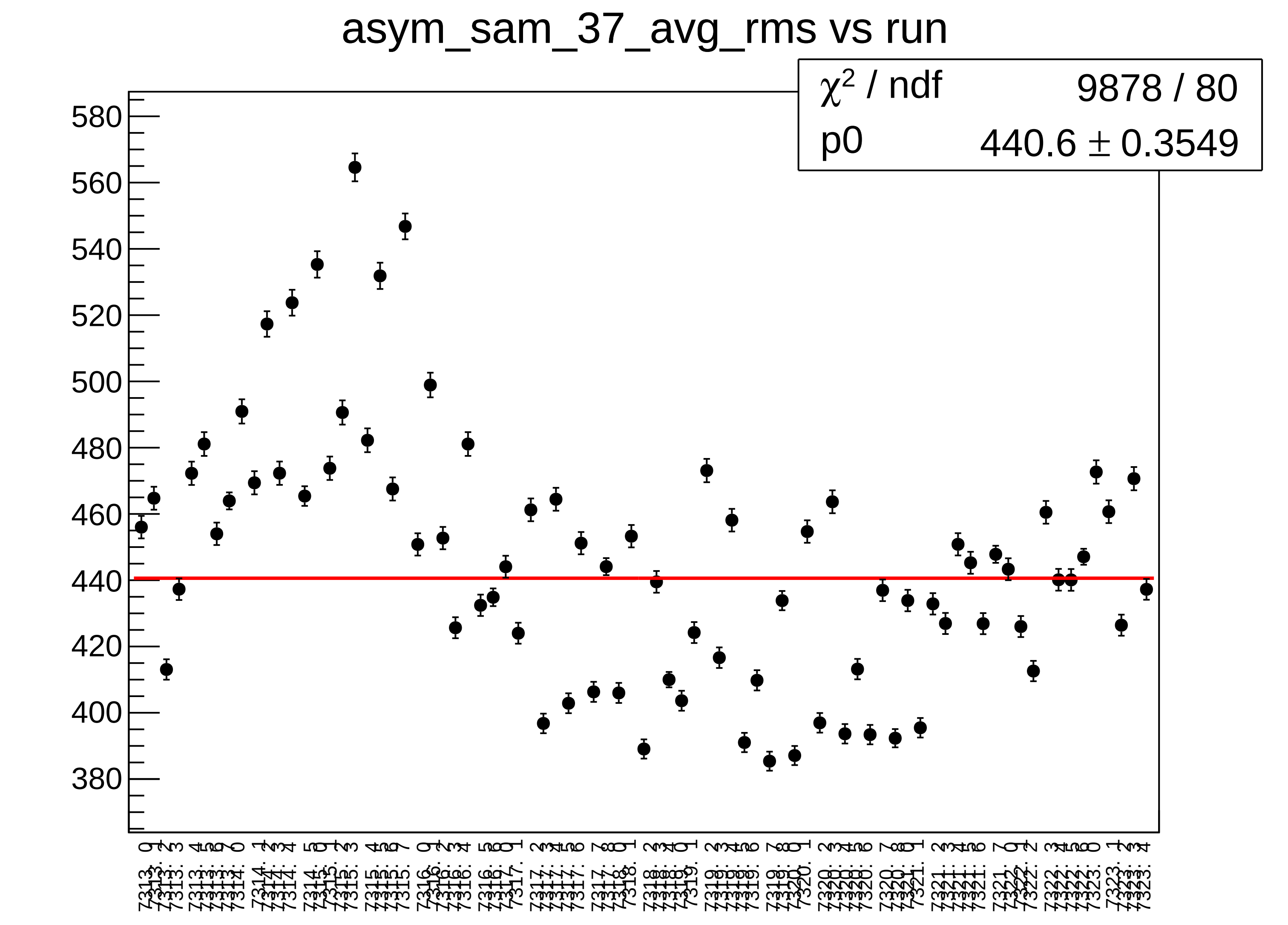

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 70.46 / 80
p0 −272 ± 493.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −87.34
Std Dev 120.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.01314
Std Dev 0.9326
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



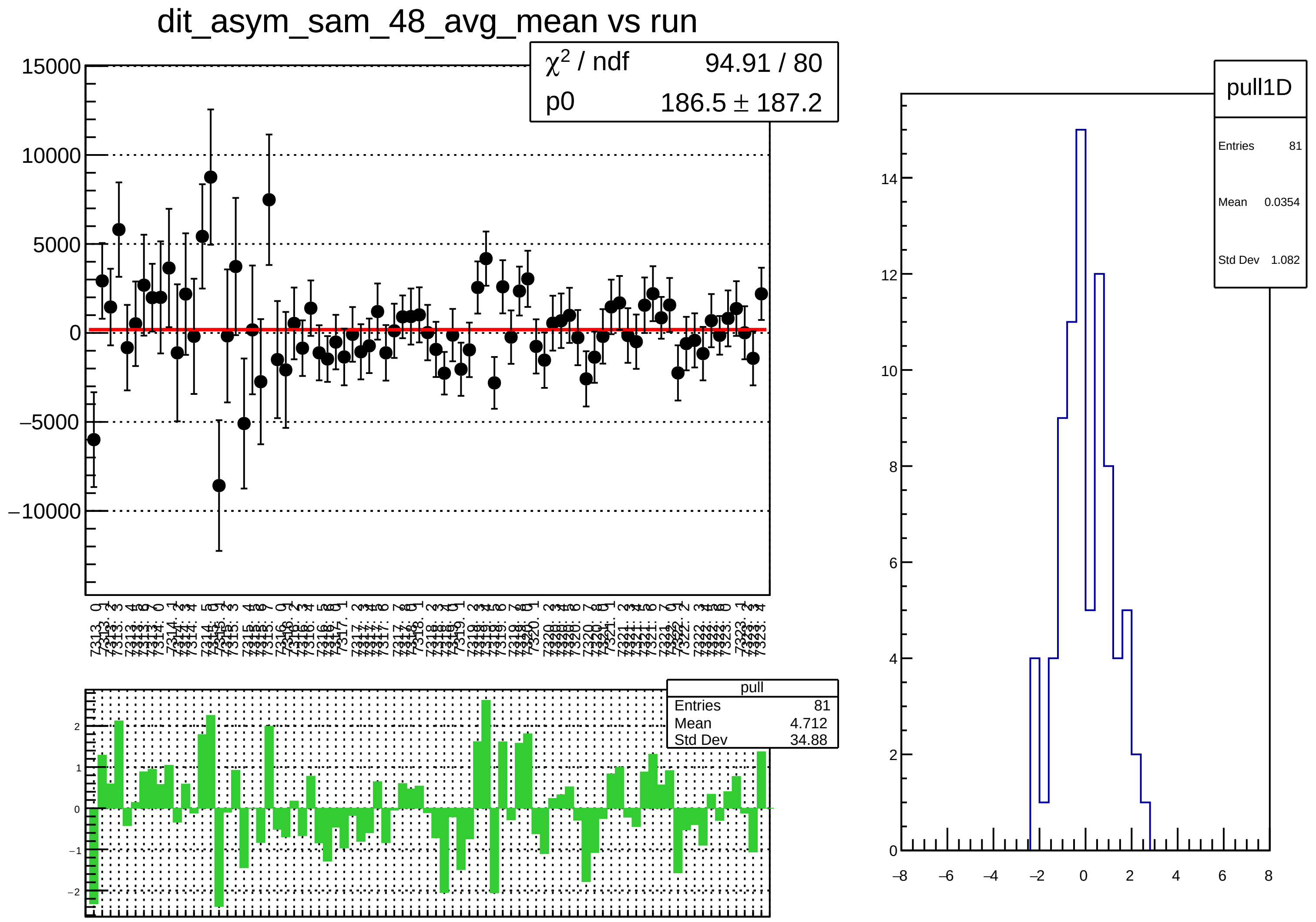
asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 5275 / 80
p0 434.2 ± 0.3492
500
480
460
440
420
400
380

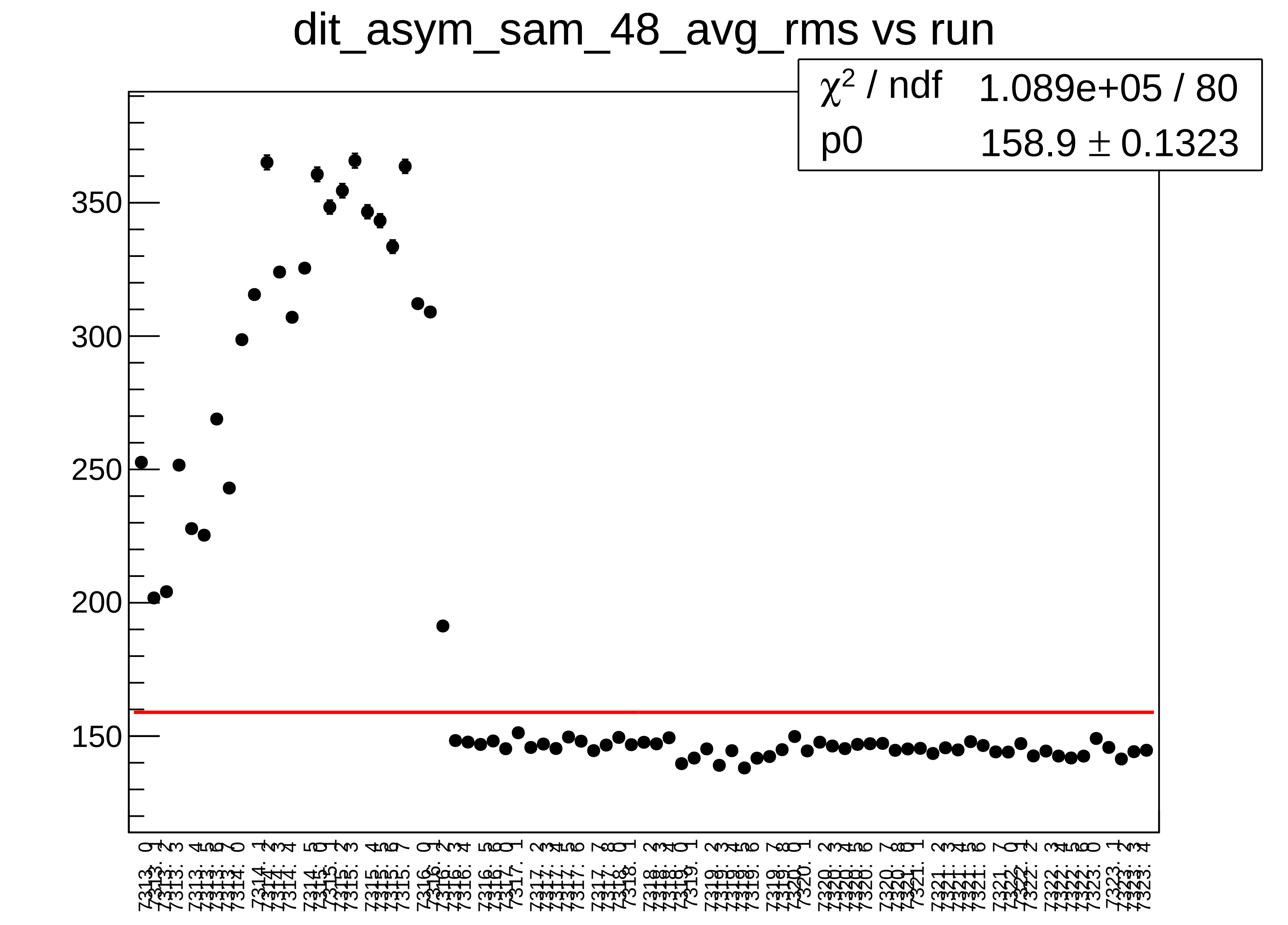


asym_sam_37_avg_mean vs run
χ^2 / ndf 65.45 / 80
p0 346.1 ± 502
pull
Entries 81
Mean −8.553
Std Dev 33.85
pull1D
Entries 81
Mean −0.01627
Std Dev 0.8988

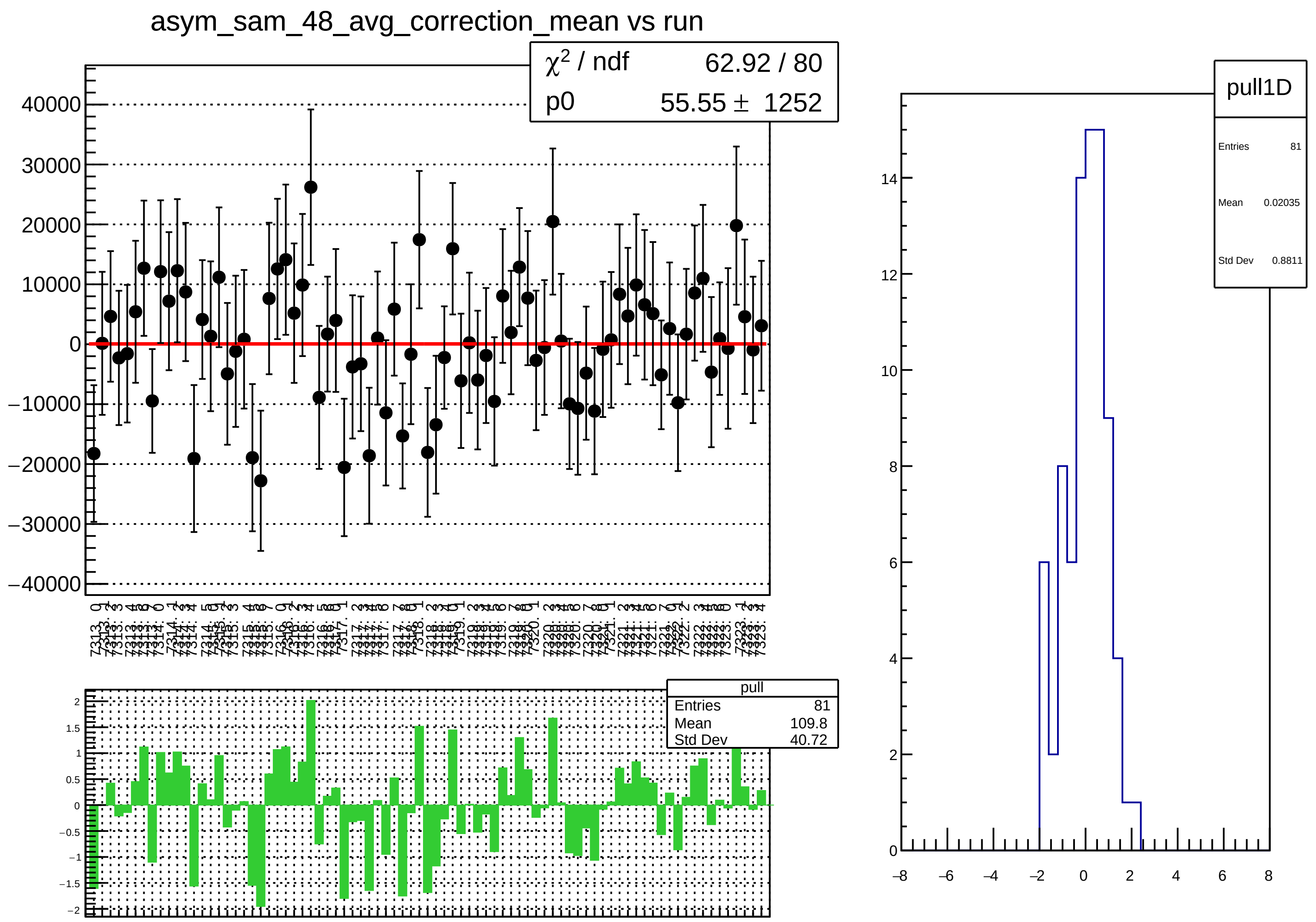


asym_sam_37_avg_rms vs run
χ2 / ndf 9878 / 80
p0 440.6 ± 0.3549
580
560
540
520
500
480
460
440
420
400
380

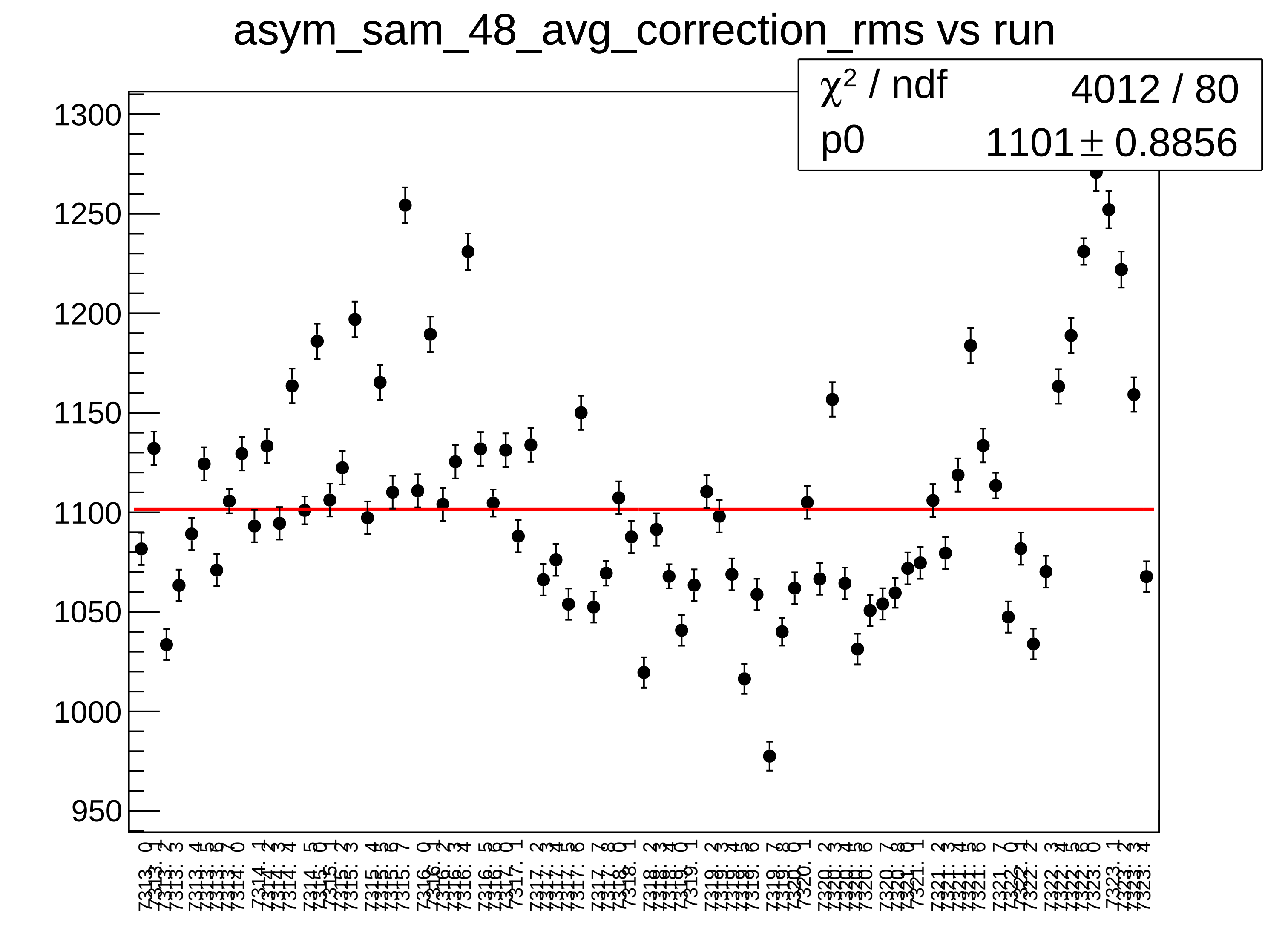

dit_asym_sam_48_avg_mean vs run
χ2 / ndf 94.91 / 80
p0 186.5 ± 187.2
pull
Entries 81
Mean 4.712
Std Dev 34.88
pull1D
Entries 81
Mean 0.0354
Std Dev 1.082



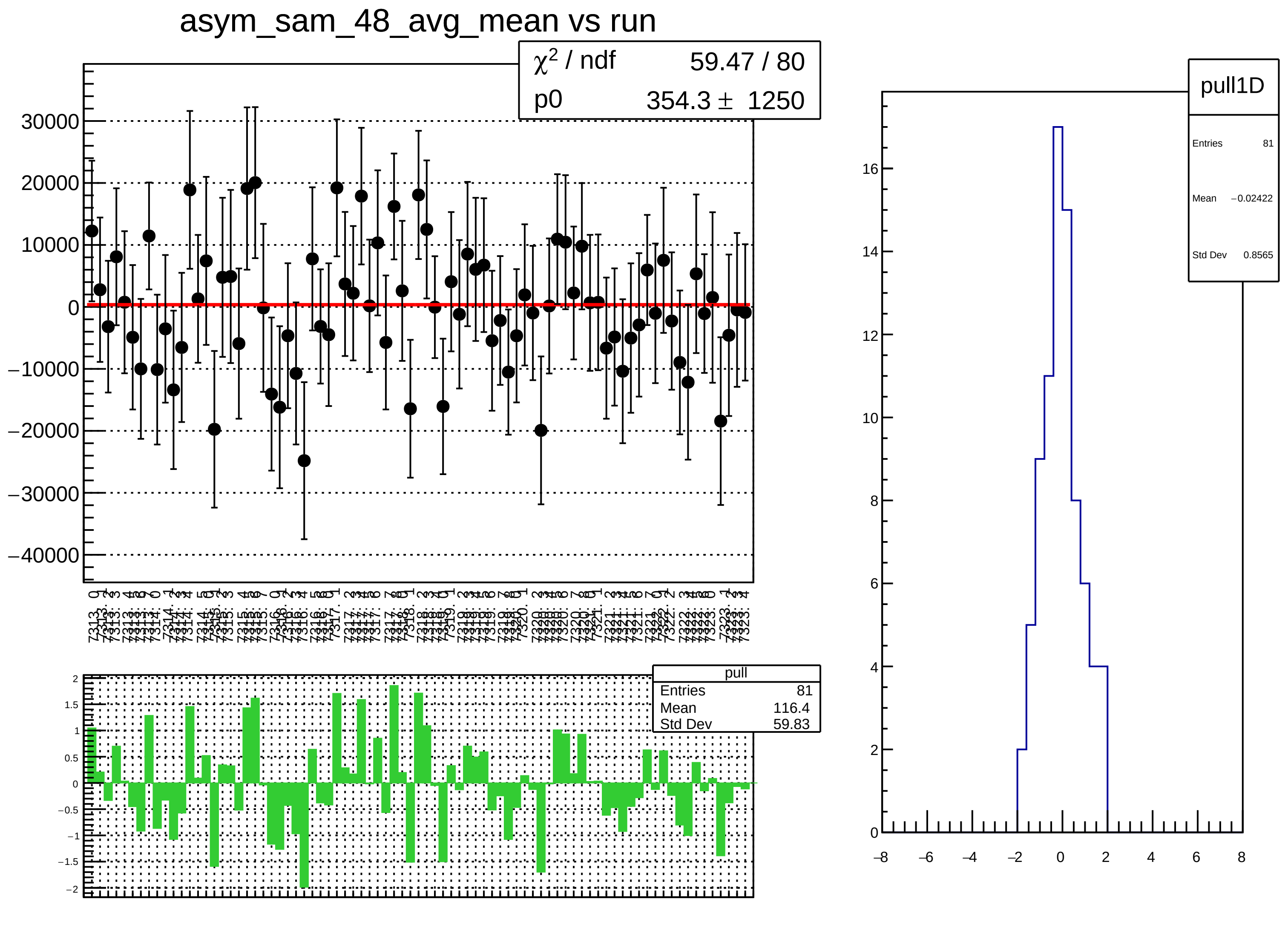
dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.089e+05 / 80
p0 158.9 ± 0.1323
350
300
250
200
150



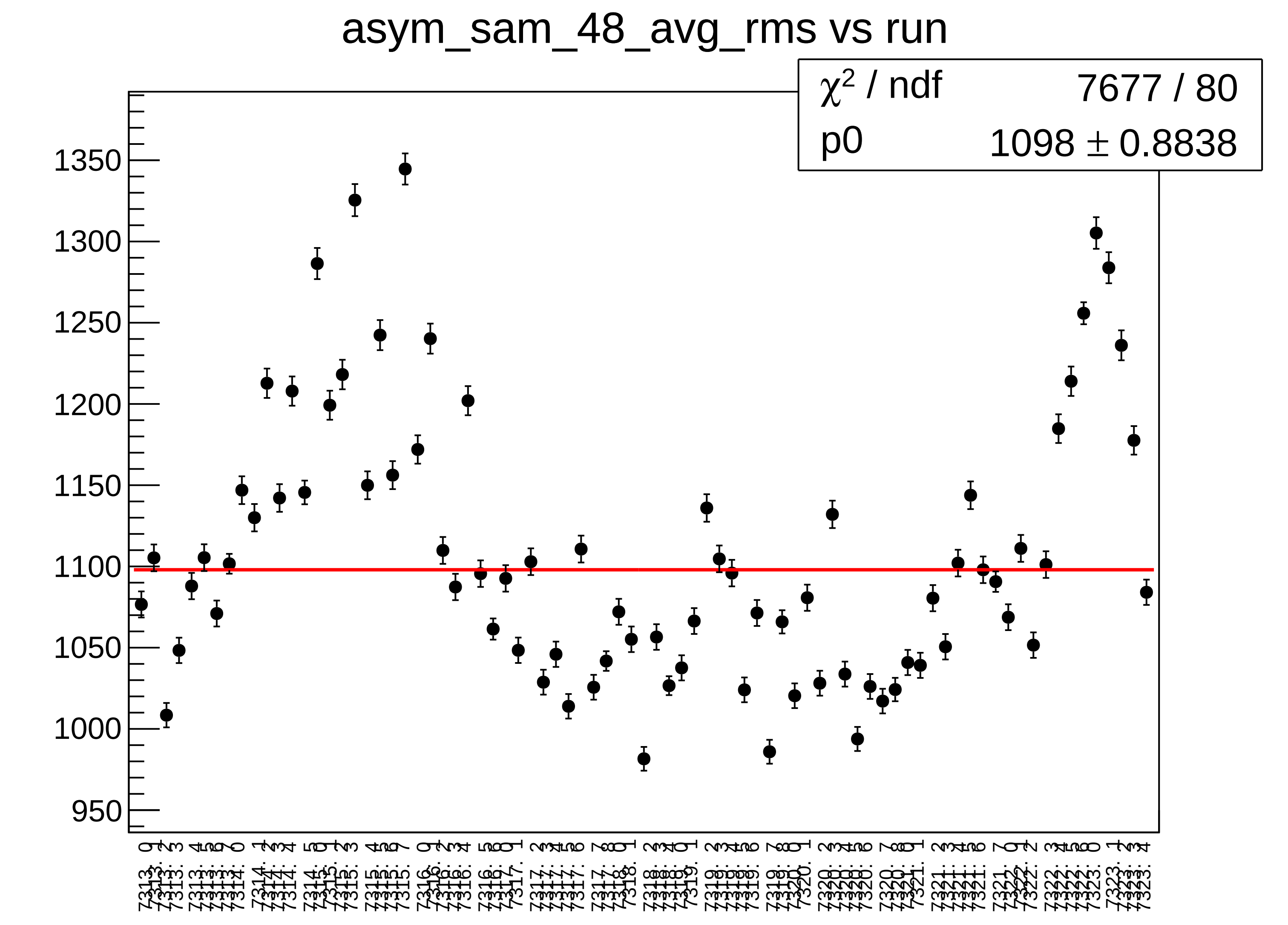
asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 62.92 / 80
p0 55.55 ± 1252
pull
Entries 81
Mean 109.8
Std Dev 40.72
pull1D
Entries 81
Mean 0.02035
Std Dev 0.8811



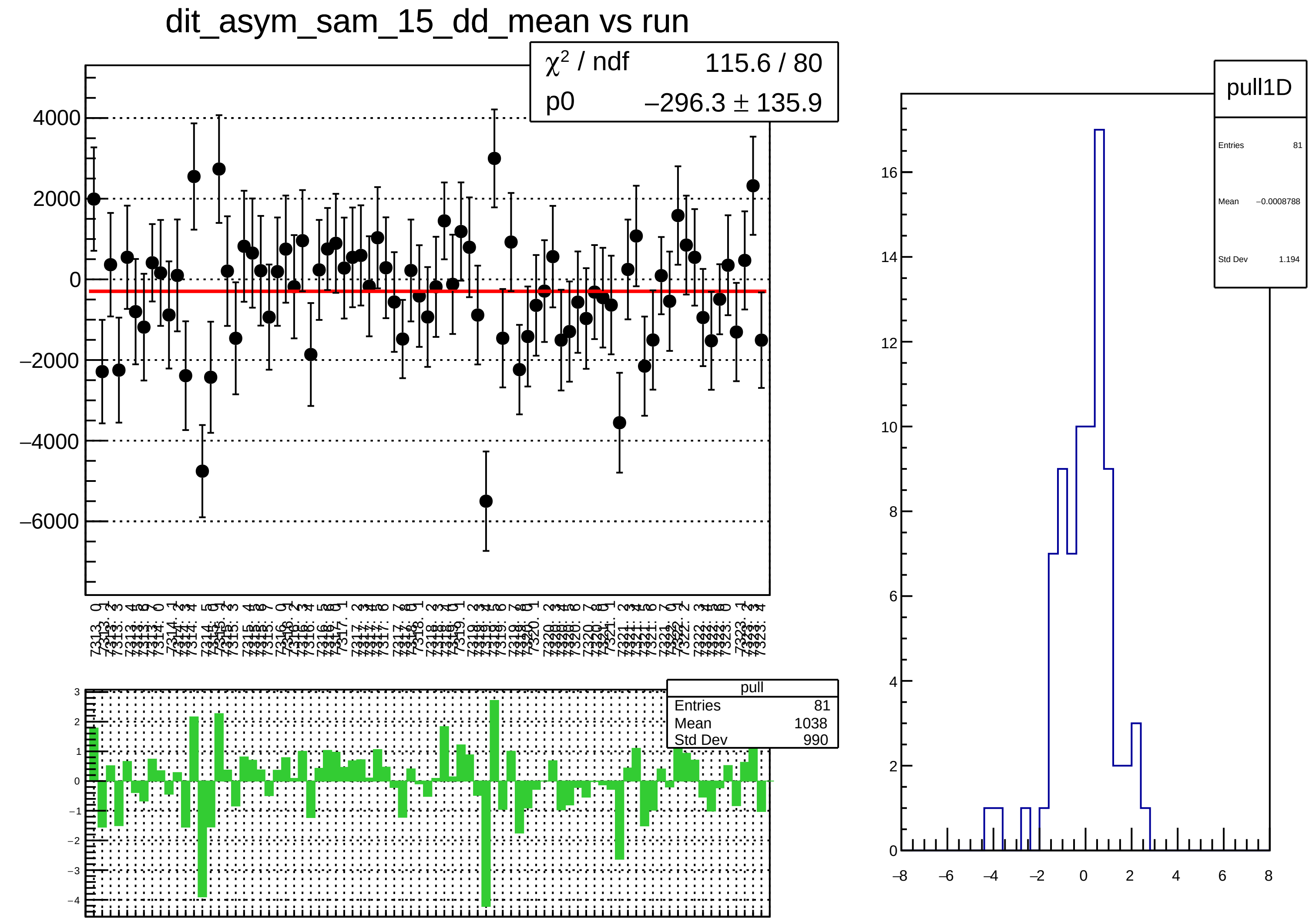
asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 4012 / 80
p0 1101 ± 0.8856
1300
1250
1200
1150
1100
1050
1000
950



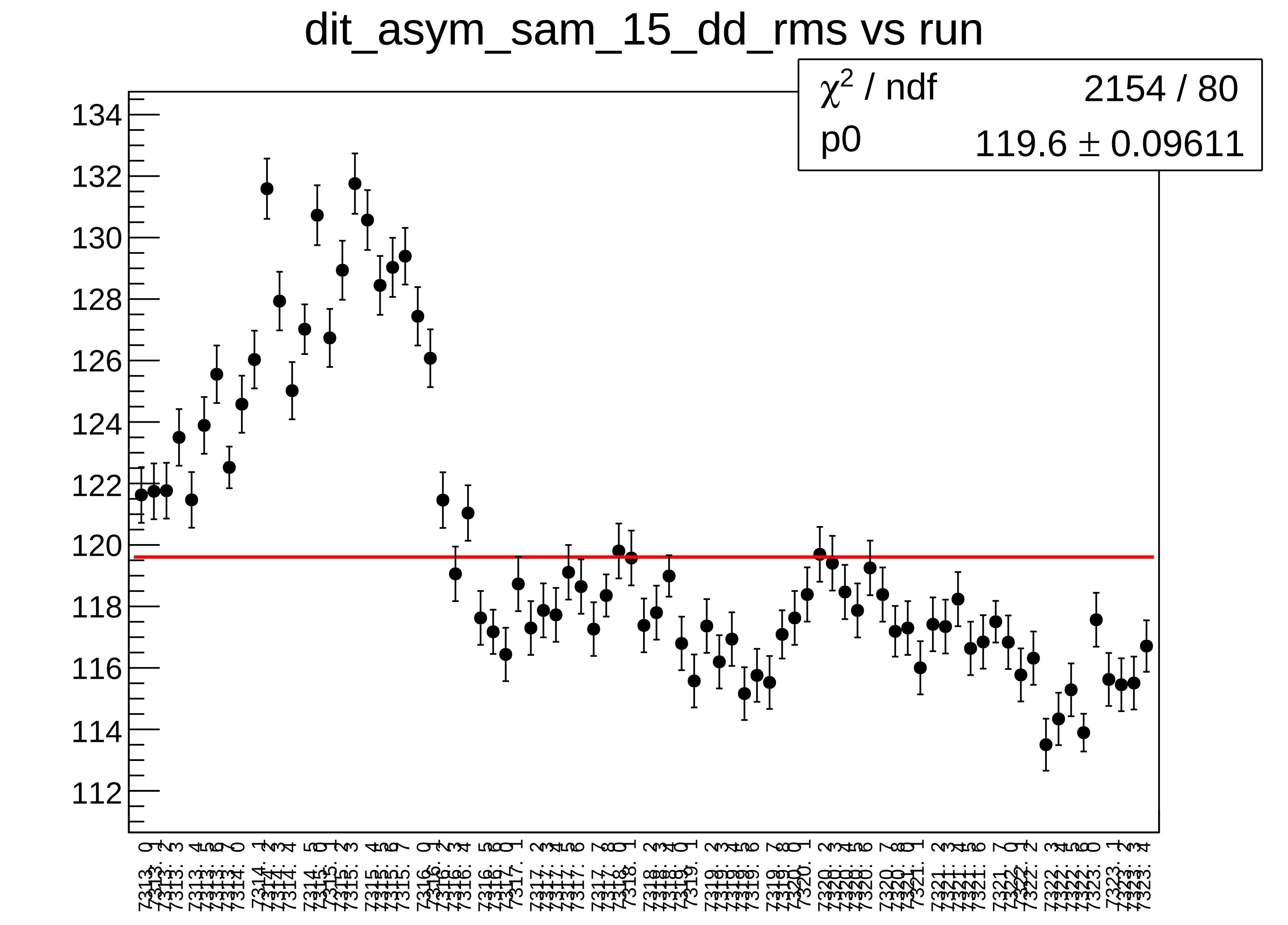
asym_sam_48_avg_mean vs run
χ2 / ndf 59.47 / 80
p0 354.3 ± 1250
pull
Entries 81
Mean 116.4
Std Dev 59.83
pull1D
Entries 81
Mean −0.02422
Std Dev 0.8565

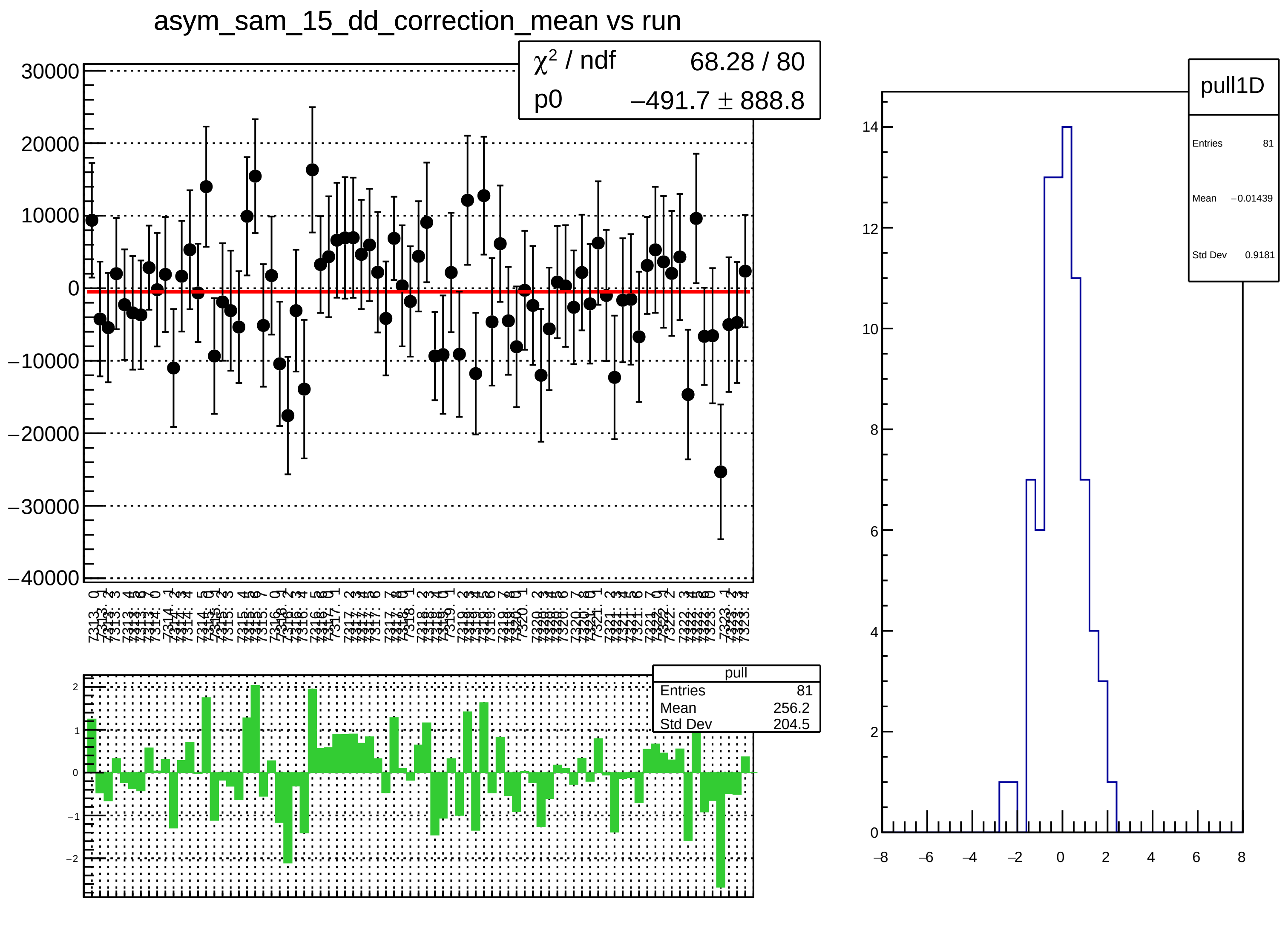


asym_sam_48_avg_rms vs run
χ^2 / ndf 7677 / 80
p0 1098 ± 0.8838
1350
1300
1250
1200
1150
1100
1050
1000
950

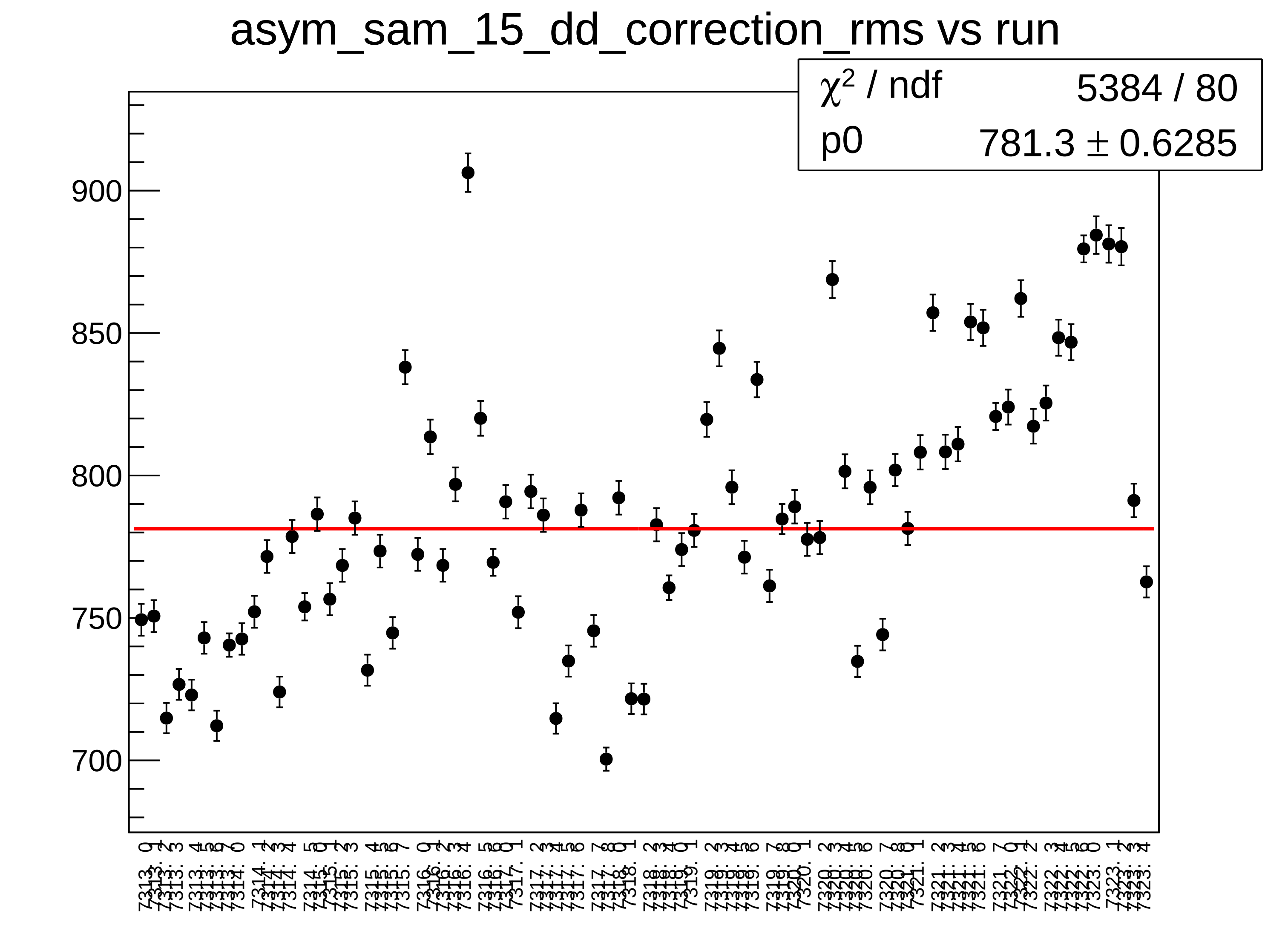


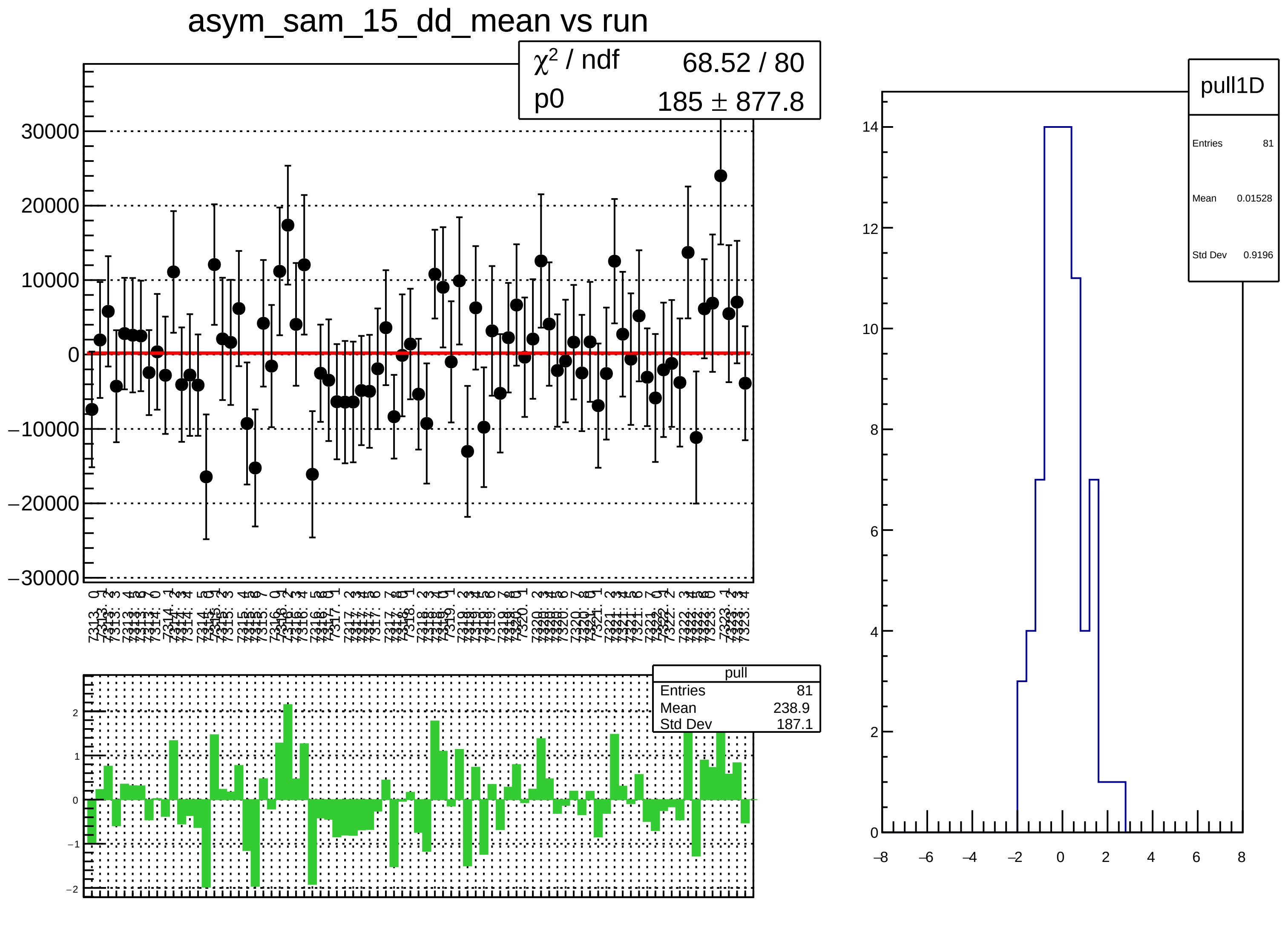
dit_asym_sam_15_dd_mean vs run
χ2 / ndf 115.6 / 80
p0 −296.3 ± 135.9
pull
Entries 81
Mean 1038
Std Dev 990
pull1D
Entries 81
Mean −0.0008788
Std Dev 1.194

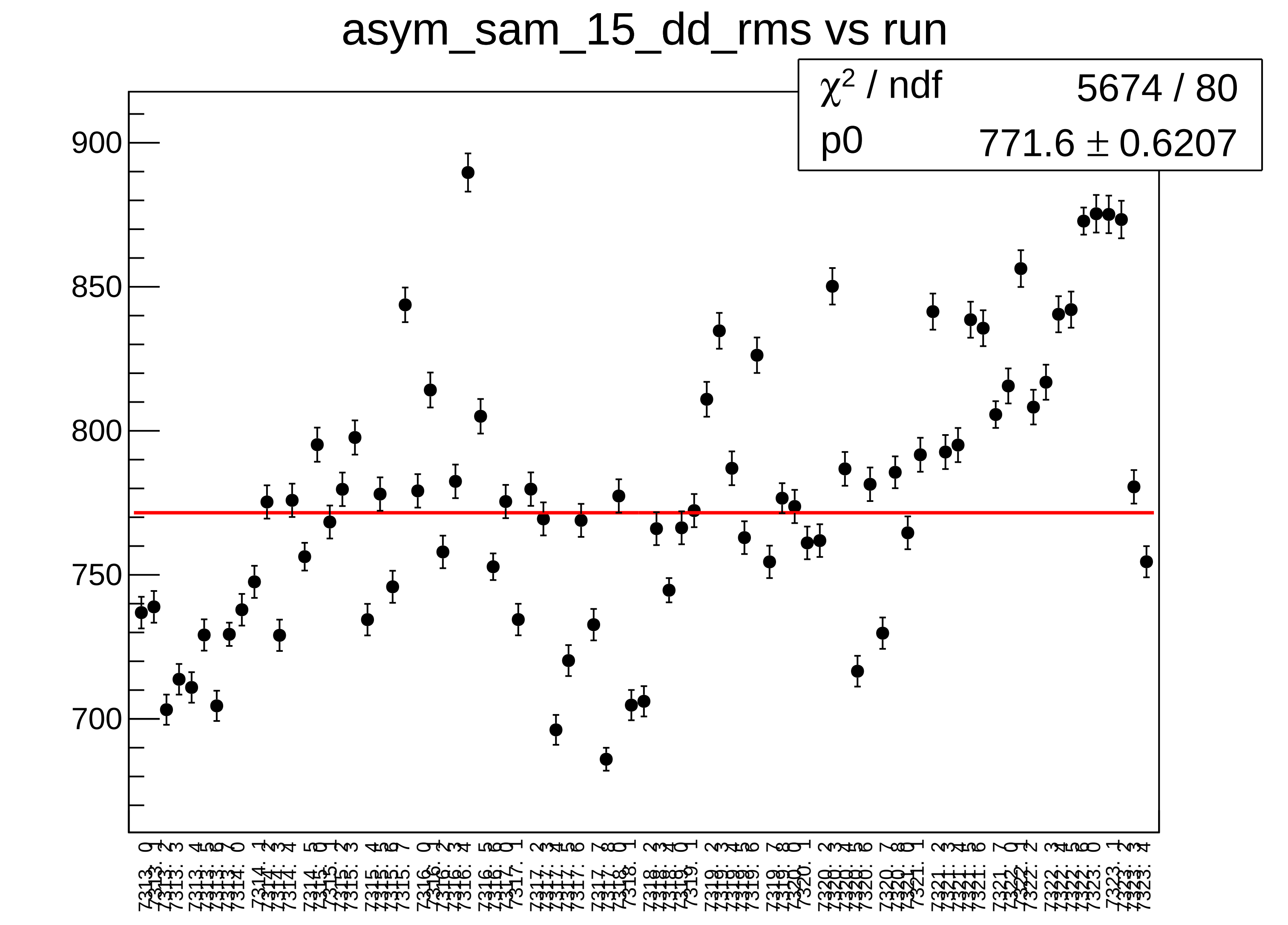

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 2154 / 80
p0 119.6 ± 0.09611
134
132
130
128
126
124
122
120
118
116
114
112



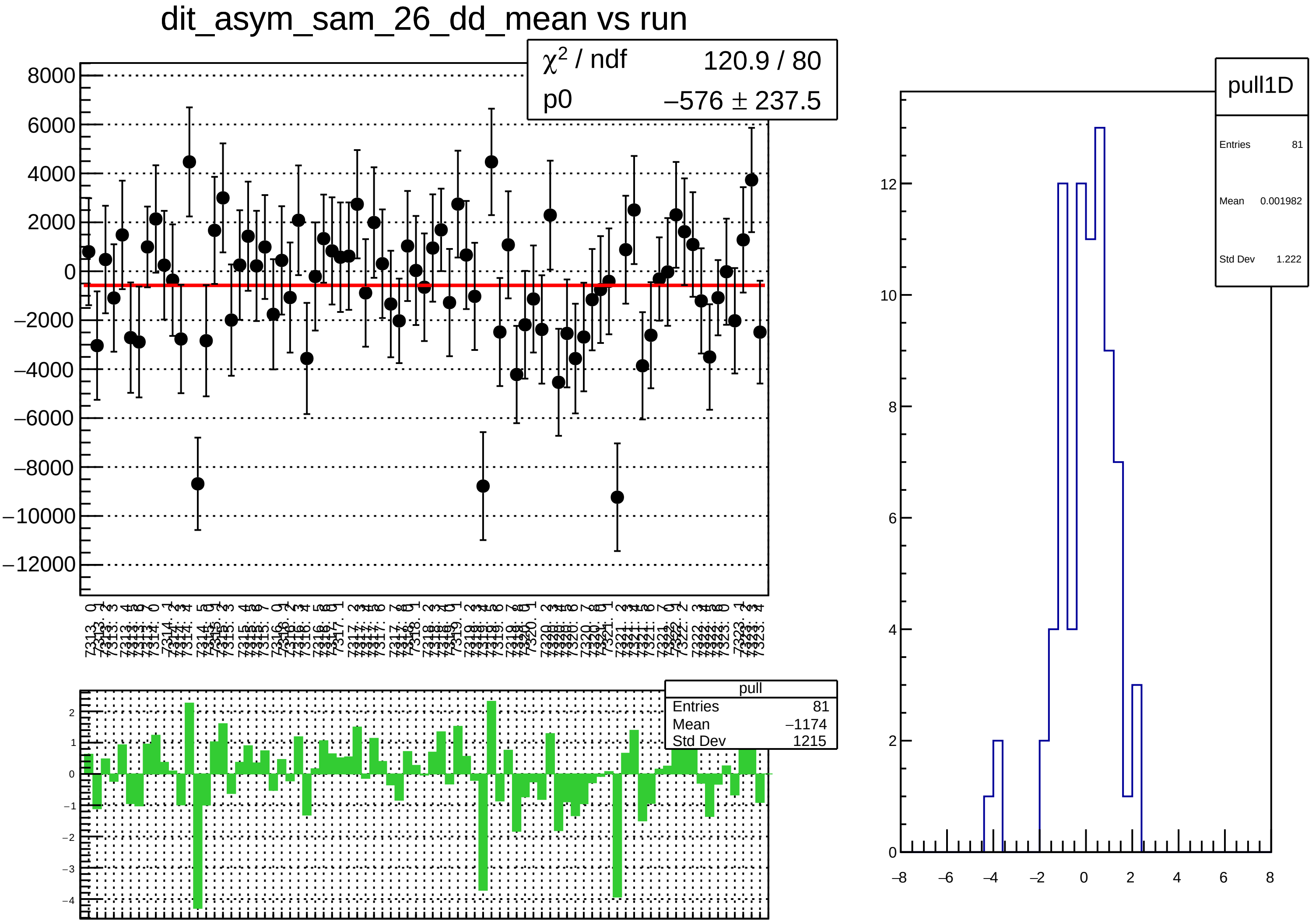
asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 68.28 / 80
p0 −491.7 ± 888.8
pull
Entries 81
Mean 256.2
Std Dev 204.5
pull1D
Entries 81
Mean −0.01439
Std Dev 0.9181


asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 5384 / 80
p0 781.3 ± 0.6285
900
850
800
750
700

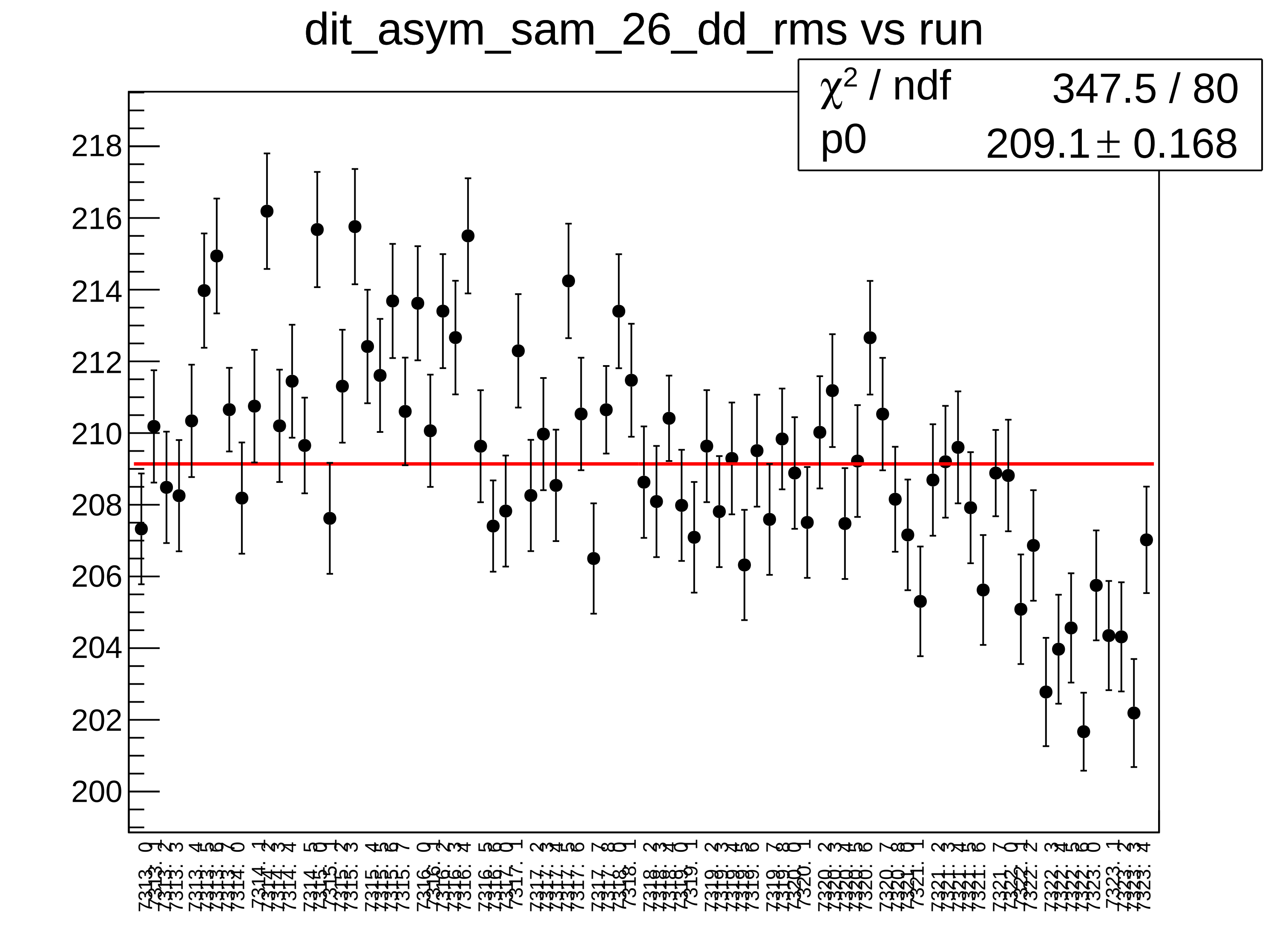

asym_sam_15_dd_mean vs run
χ2 / ndf 68.52 / 80
p0 185 ± 877.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 238.9
Std Dev 187.1
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01528
Std Dev 0.9196
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



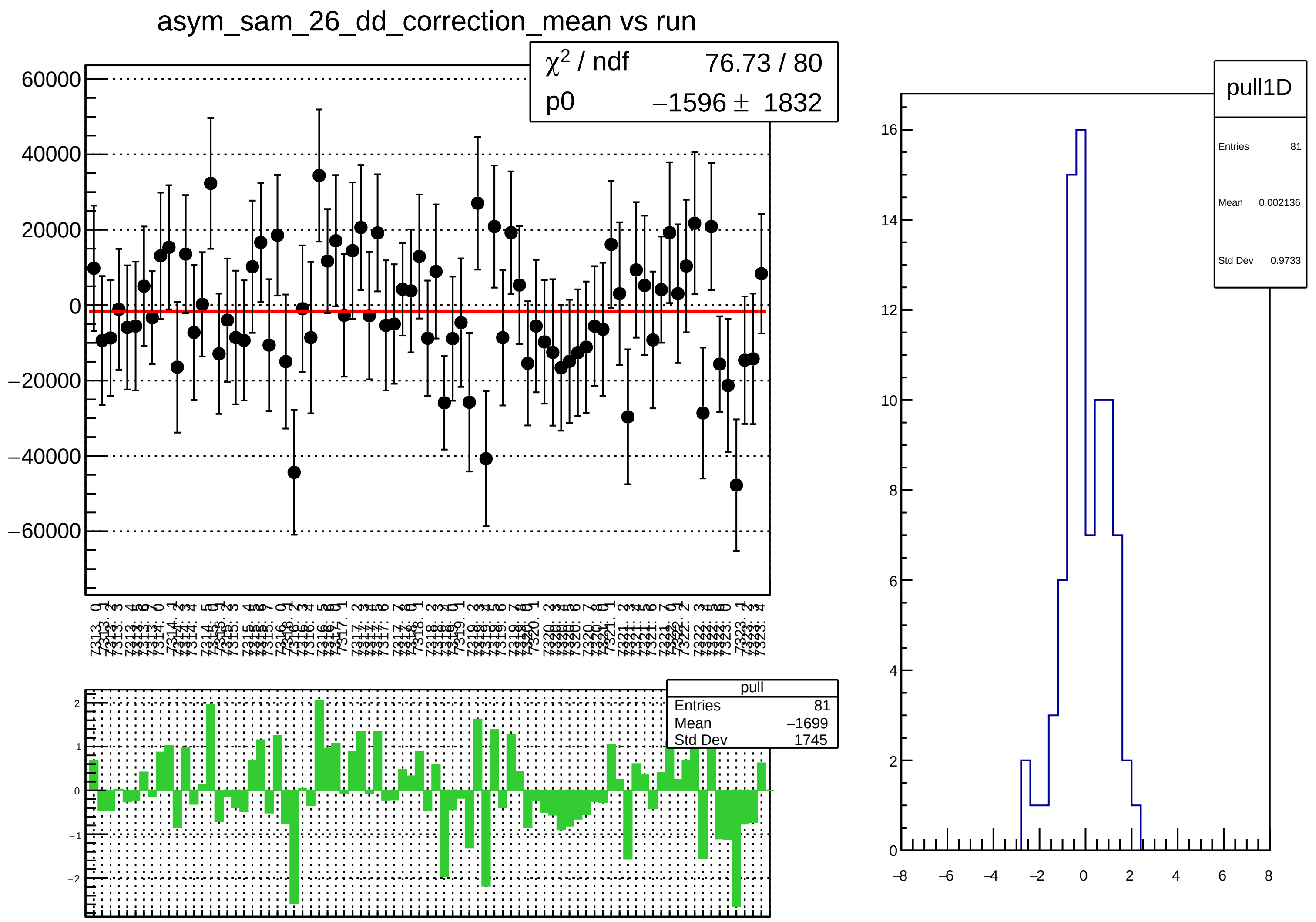
asym_sam_15_dd_rms vs run
χ² / ndf 5674 / 80
p0 771.6 ± 0.6207
900
850
800
750
700



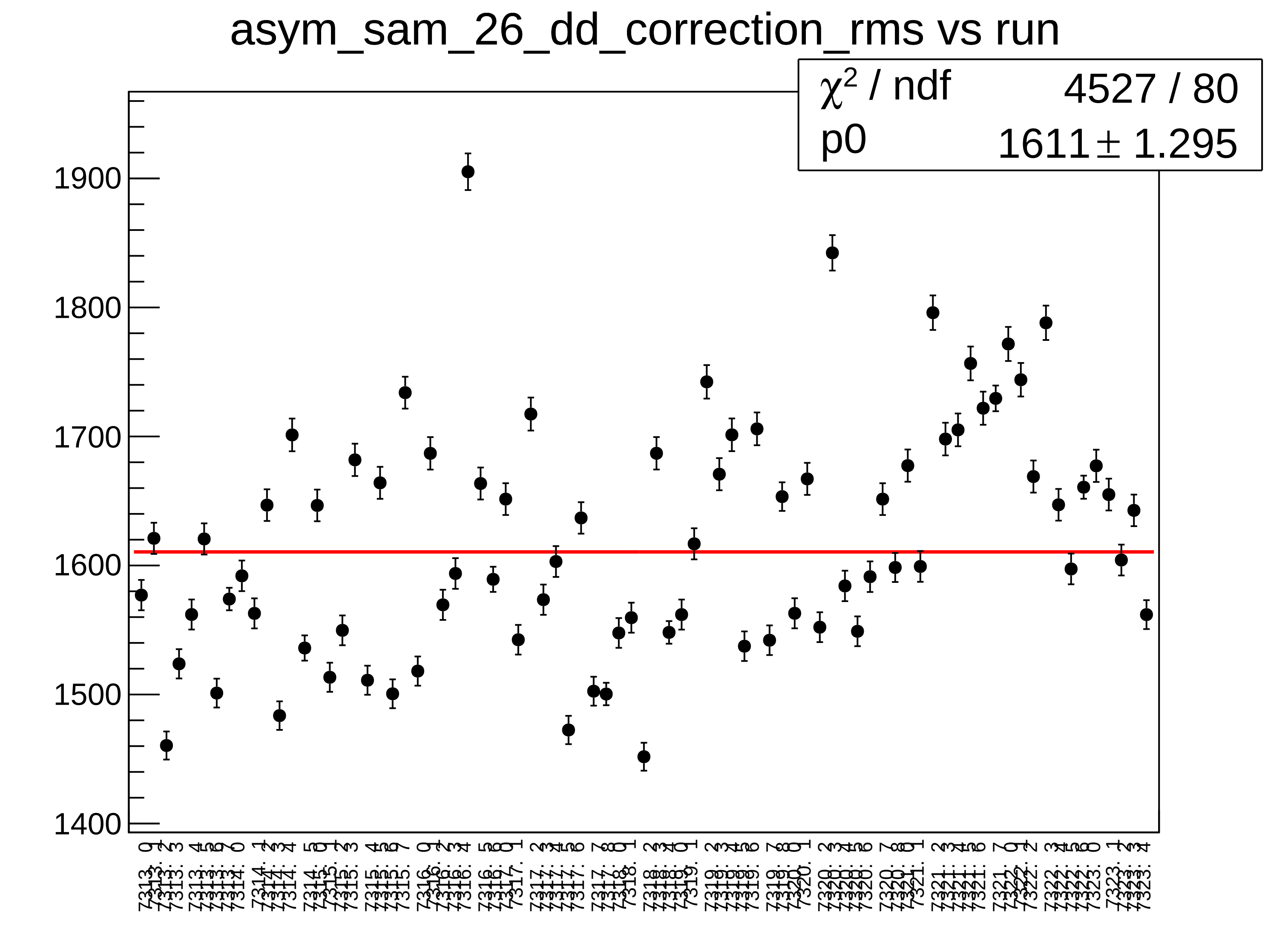
dit_asym_sam_26_dd_mean vs run
χ2 / ndf 120.9 / 80
p0 −576 ± 237.5
pull
Entries 81
Mean −1174
Std Dev 1215
pull1D
Entries 81
Mean 0.001982
Std Dev 1.222

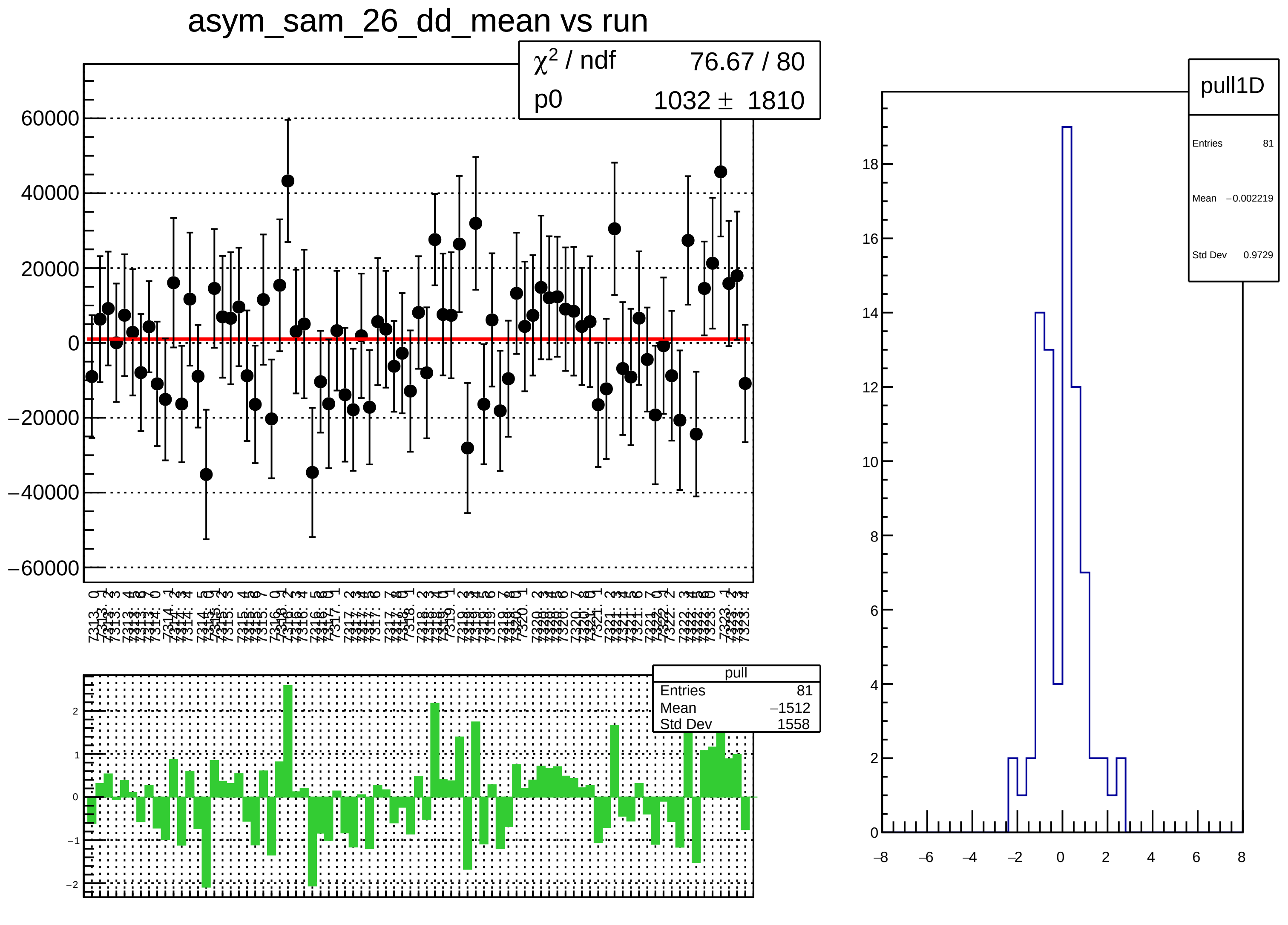


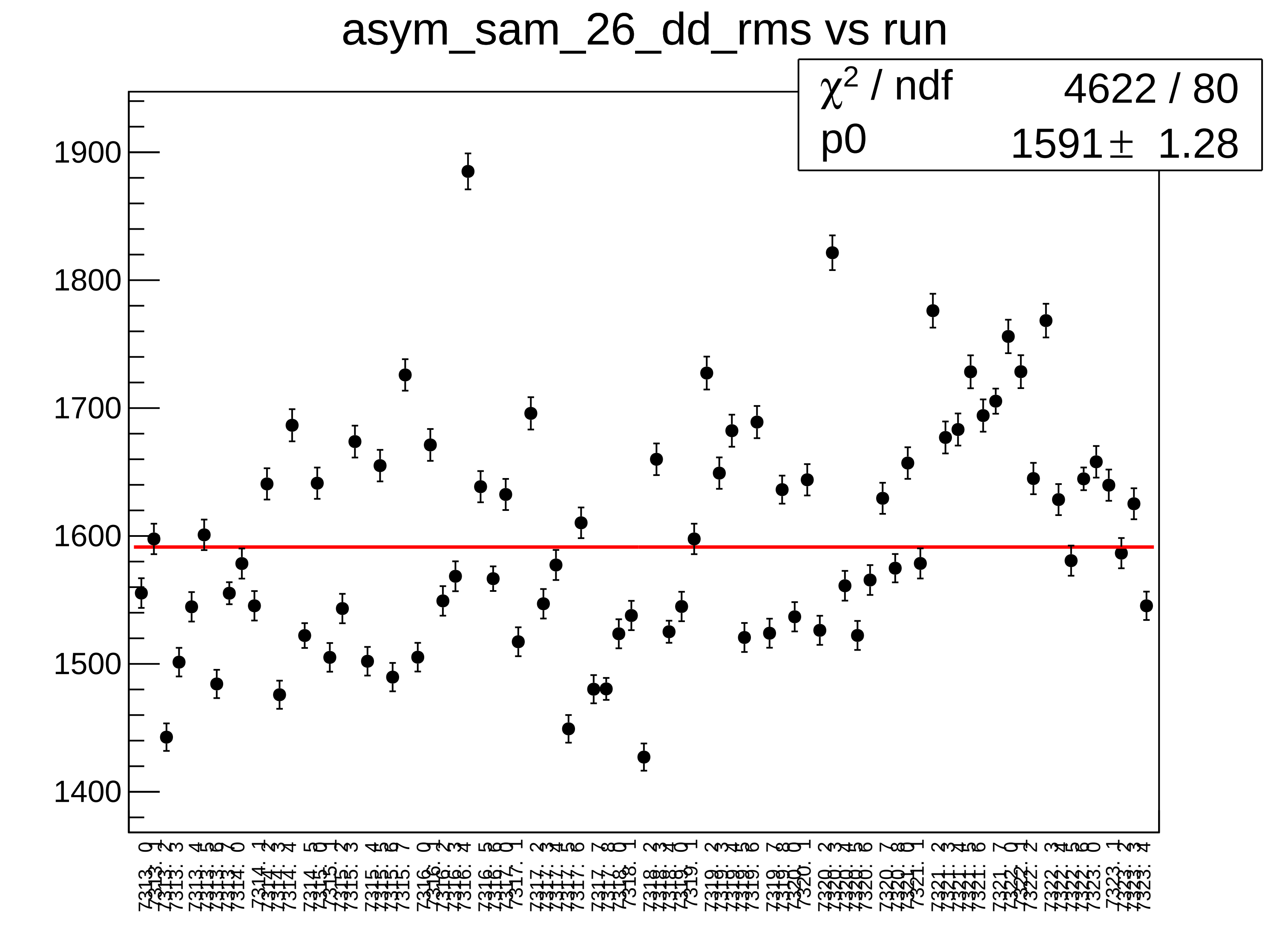
dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 347.5 / 80
p0 209.1 ± 0.168
218
216
214
212
210
208
206
204
202
200



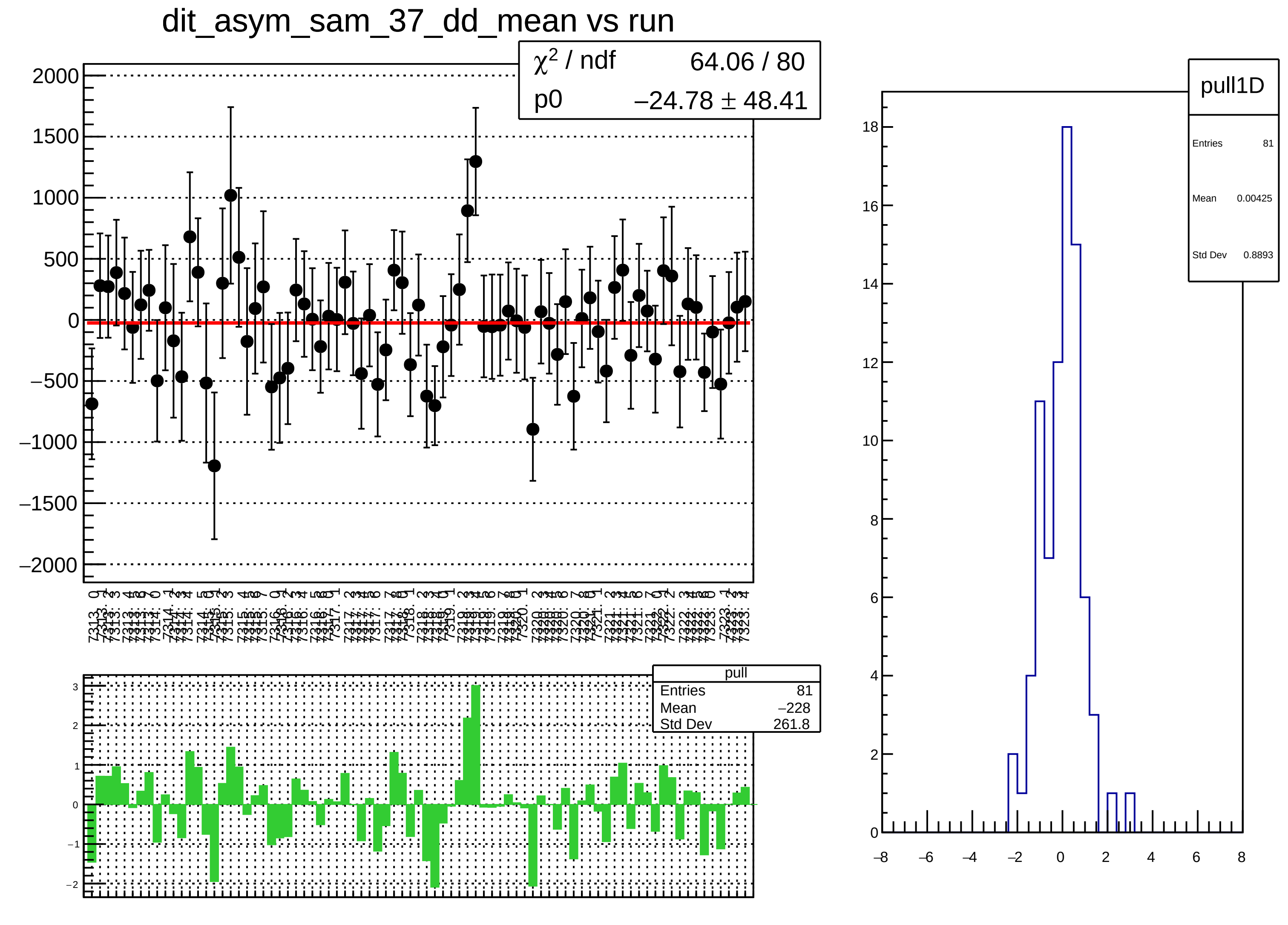
asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 76.73 / 80
p0 −1596 ± 1832
pull
Entries 81
Mean −1699
Std Dev 1745
pull1D
Entries 81
Mean 0.002136
Std Dev 0.9733

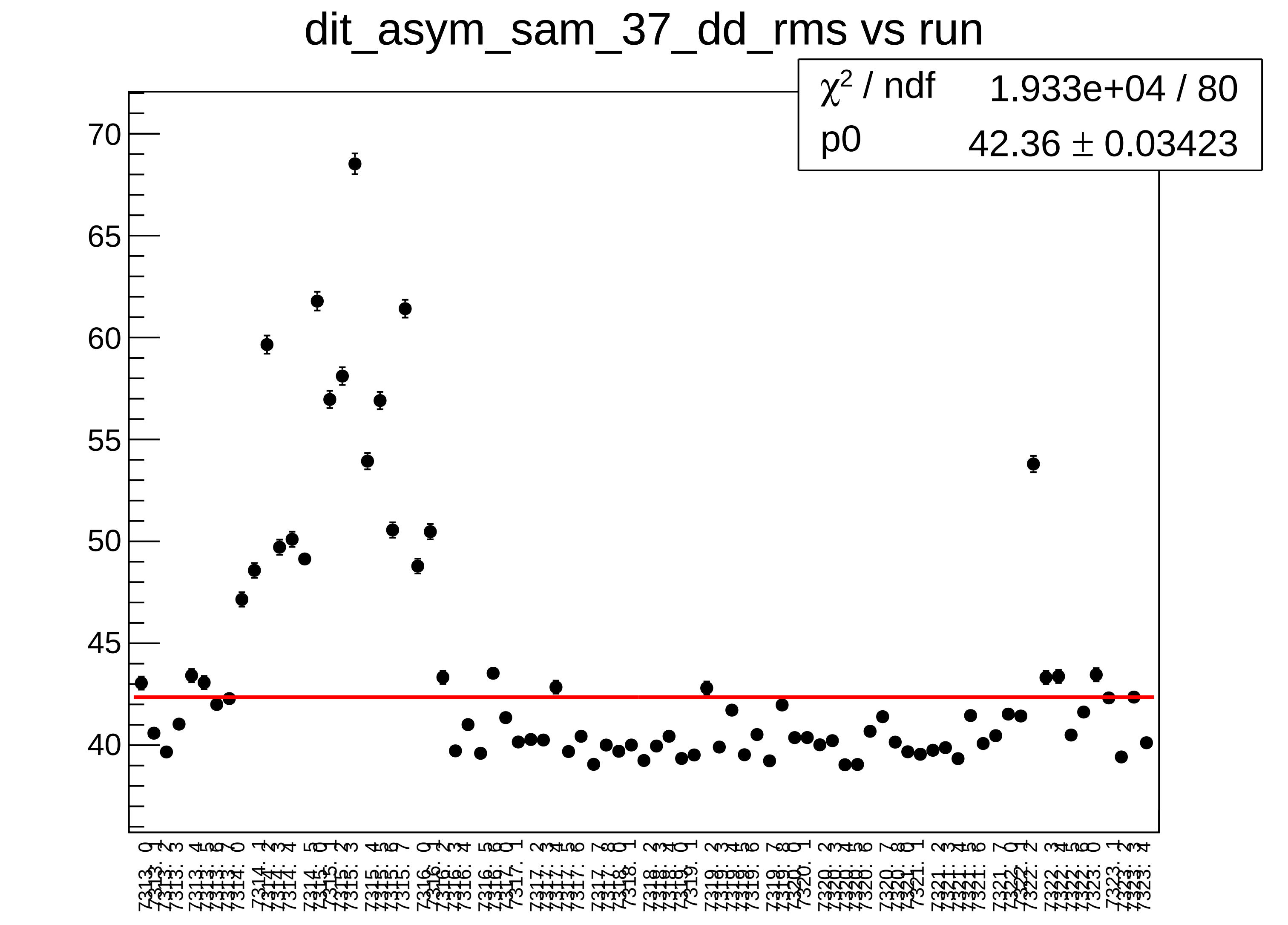

asym_sam_26_dd_correction_rms vs run
χ2 / ndf 4527 / 80
p0 1611 ± 1.295
1900
1800
1700
1600
1500
1400


asym_sam_26_dd_mean vs run
χ2 / ndf 76.67 / 80
p0 1032 ± 1810
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −1512
Std Dev 1558
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.002219
Std Dev 0.9729
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

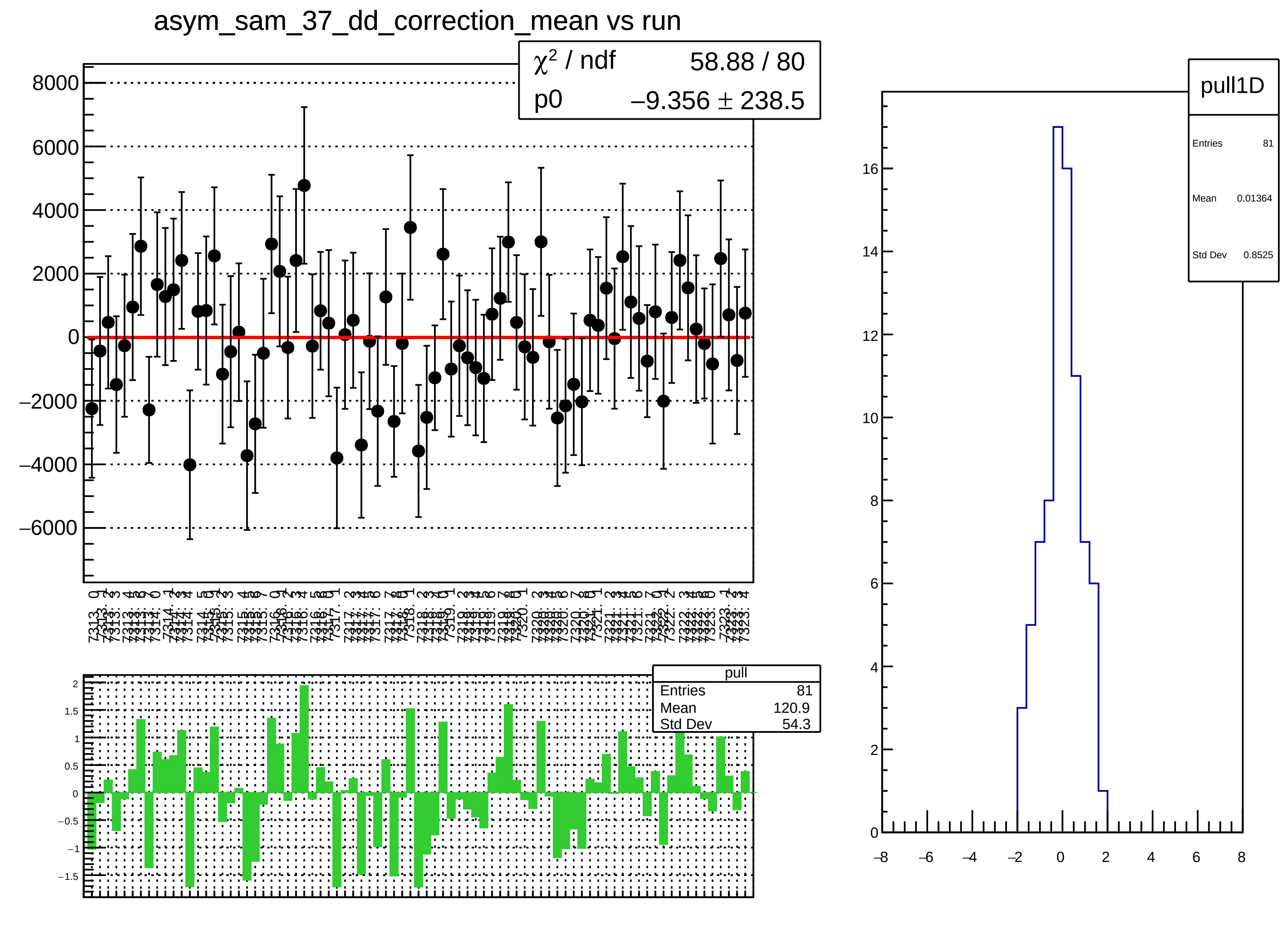


asym_sam_26_dd_rms vs run
χ2 / ndf 4622 / 80
p0 1591 ± 1.28
1400
1500
1600
1700
1800
1900

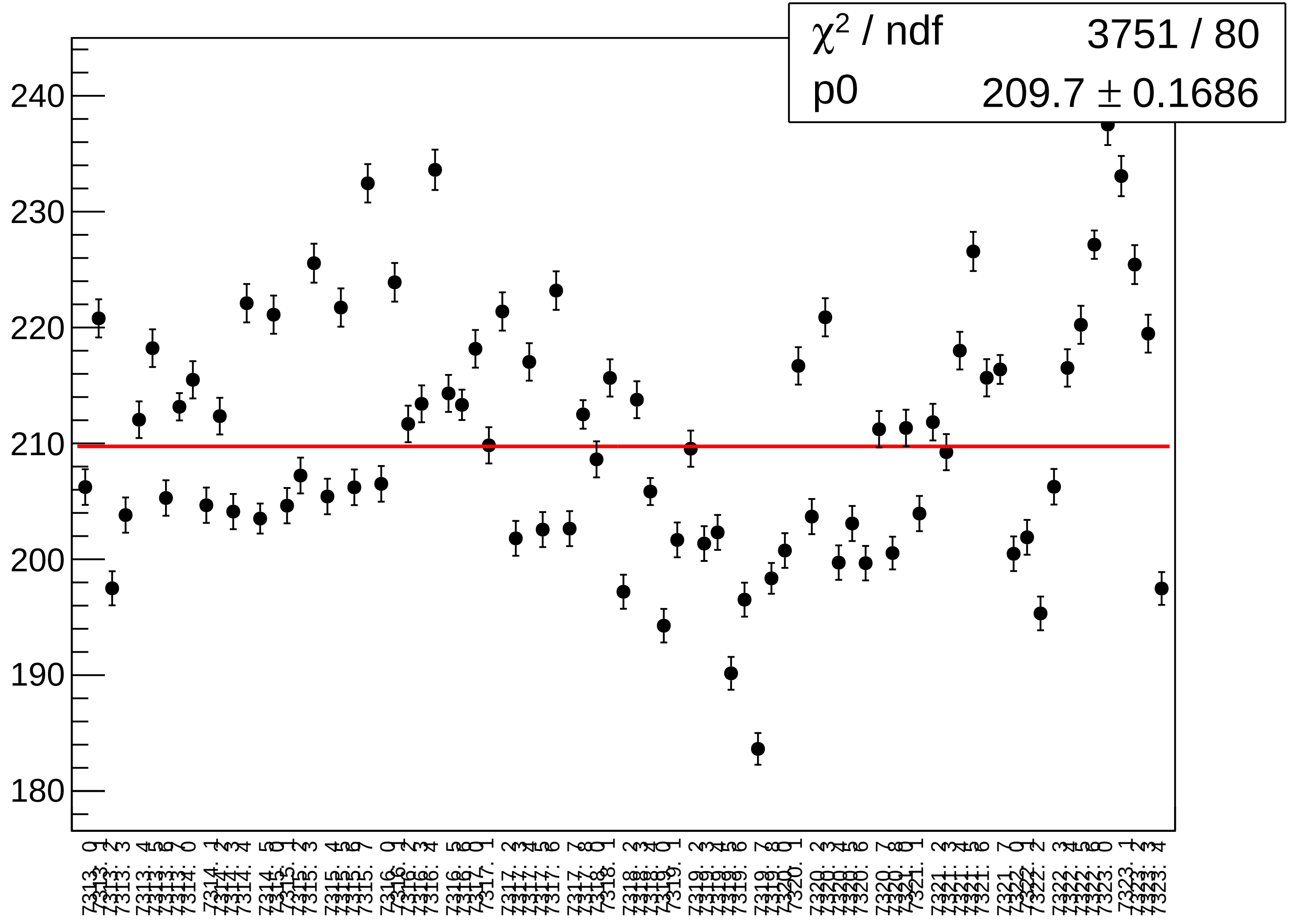

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 64.06 / 80
p0 −24.78 ± 48.41
pull
Entries 81
Mean −228
Std Dev 261.8
pull1D
Entries 81
Mean 0.00425
Std Dev 0.8893

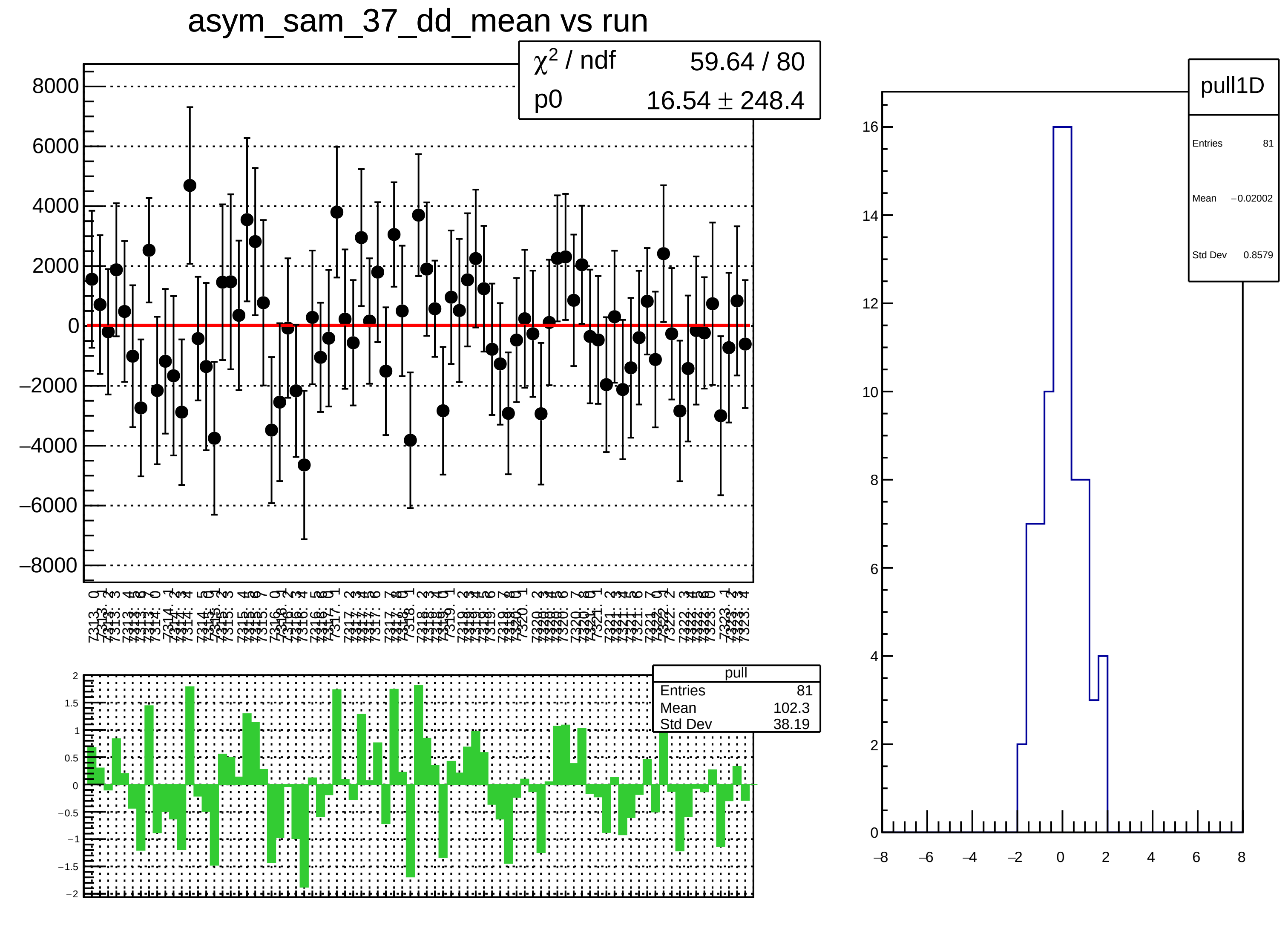


dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.933e+04 / 80
p0 42.36 ± 0.03423
70
65
60
55
50
45
40

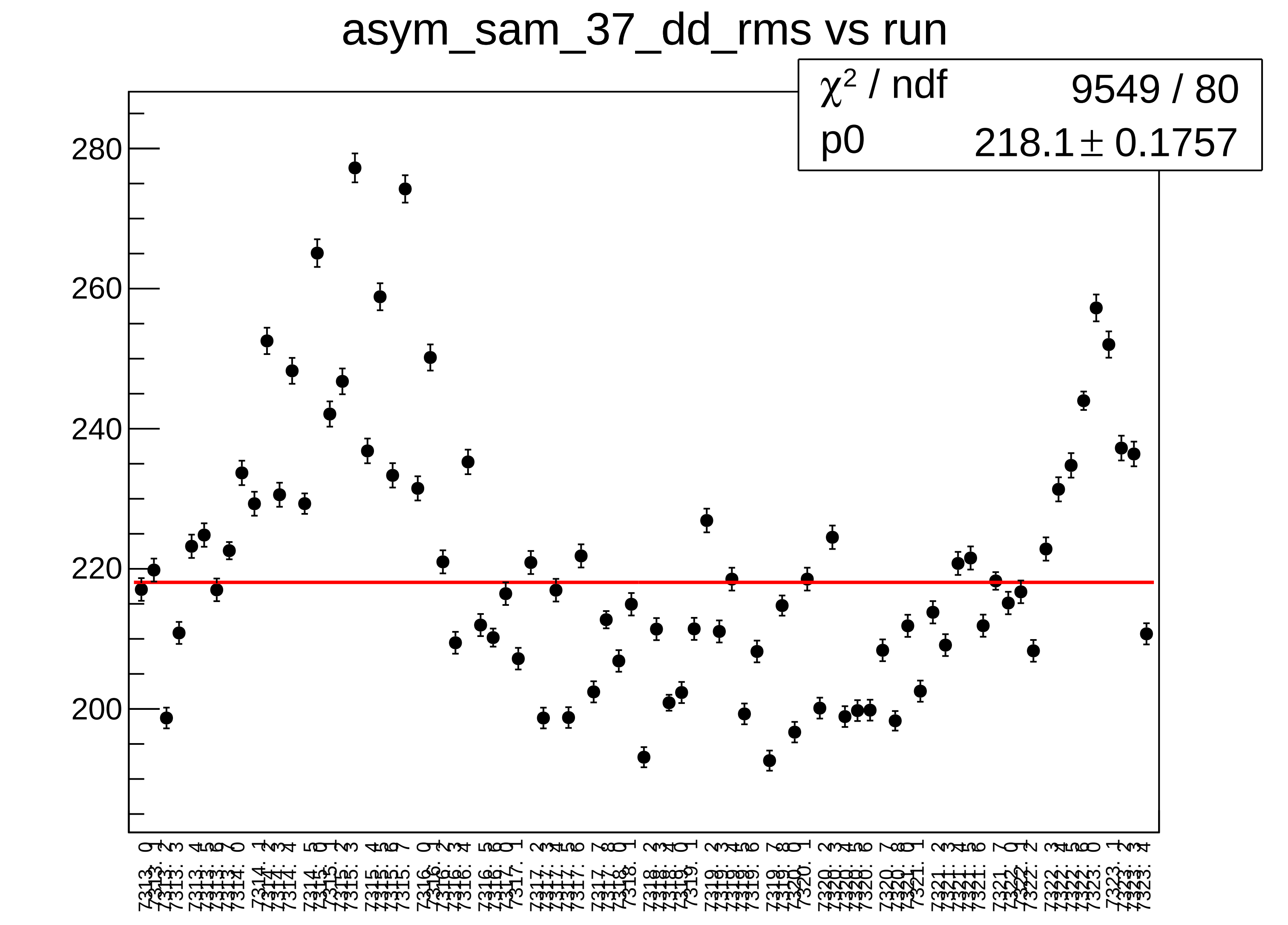

asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 58.88 / 80
p0 −9.356 ± 238.5
pull
Entries 81
Mean 120.9
Std Dev 54.3
pull1D
Entries 81
Mean 0.01364
Std Dev 0.8525

asym_sam_37_dd_correction_rms vs run

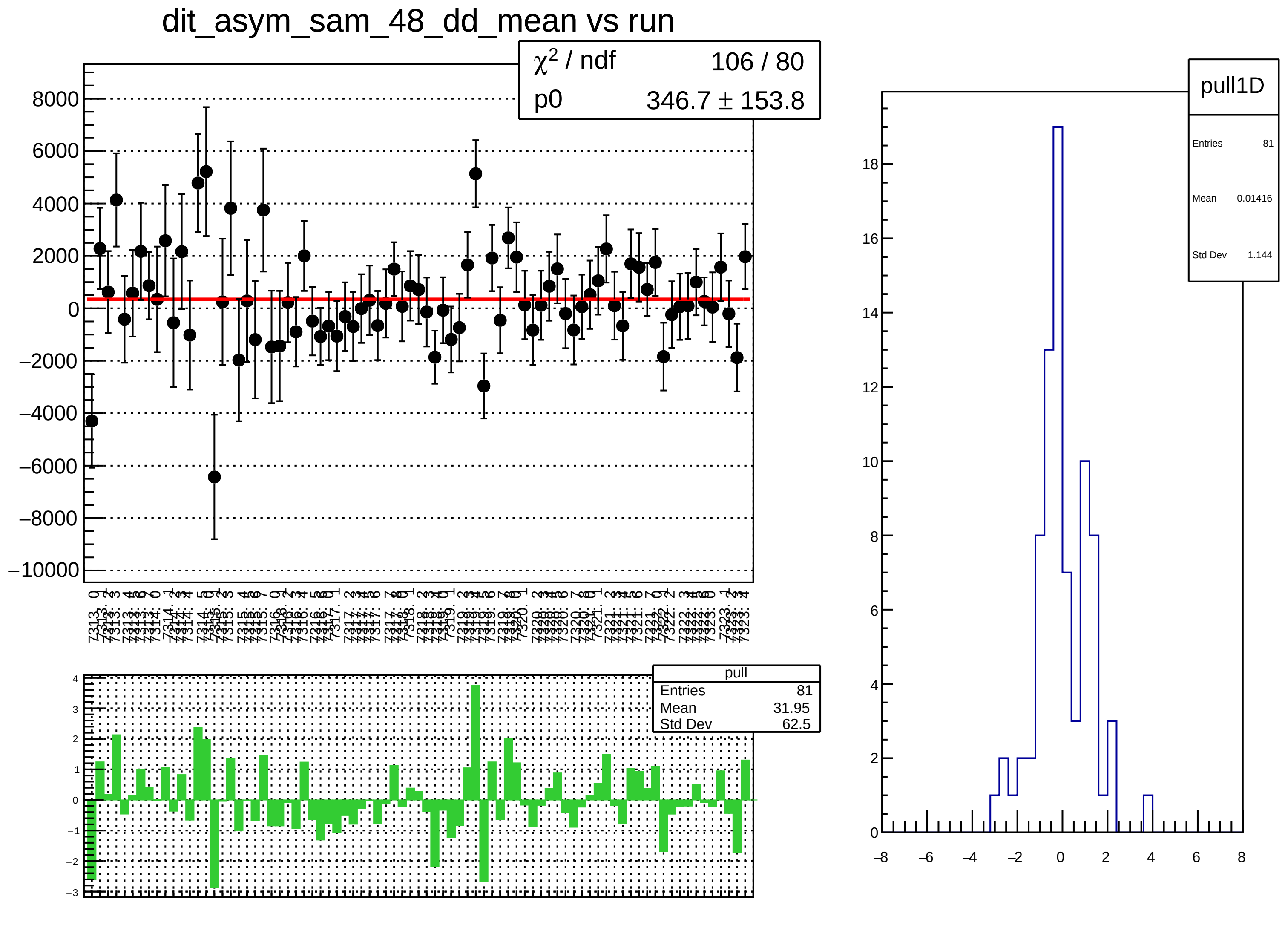


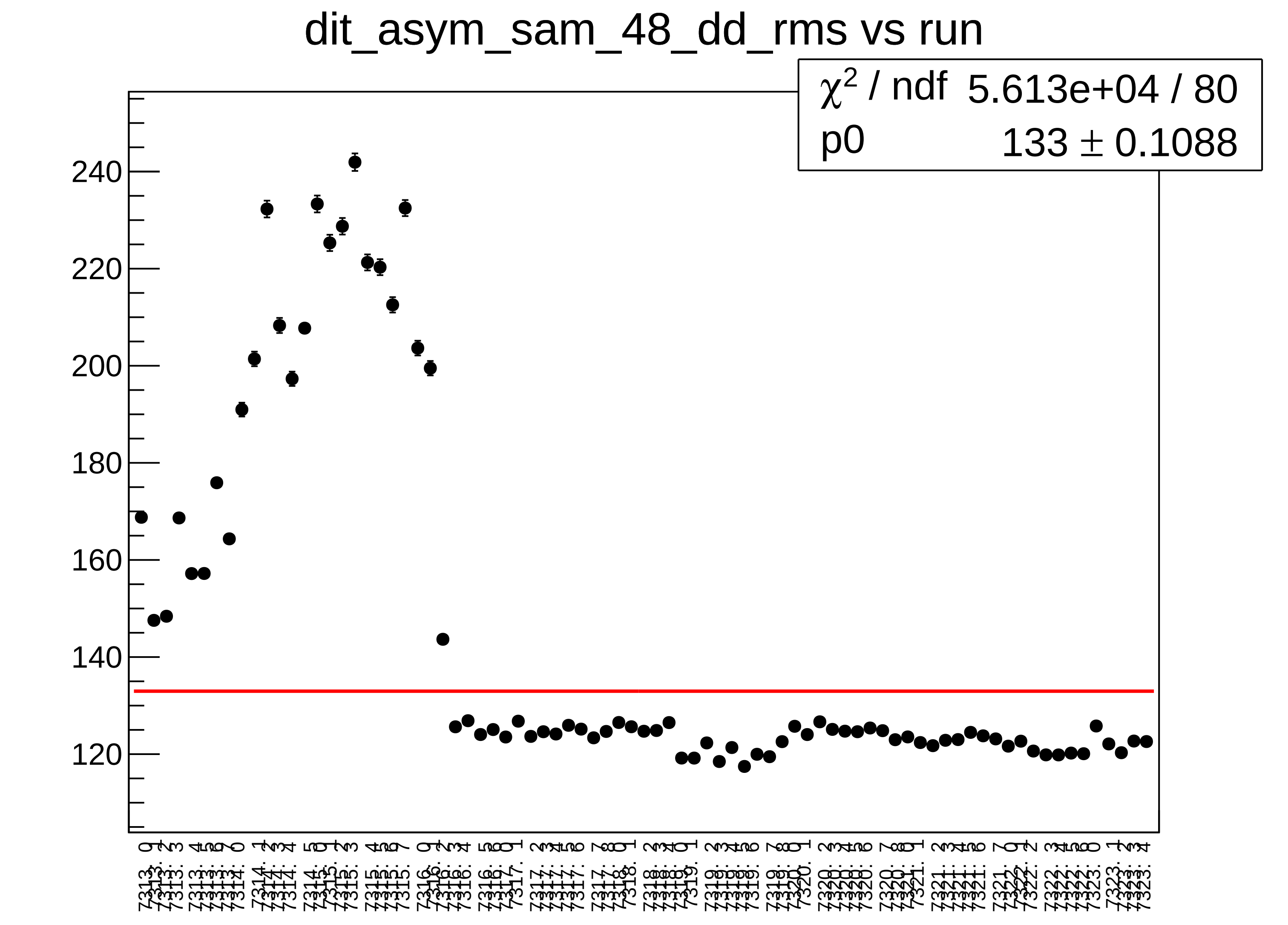


asym_sam_37_dd_mean vs run
χ2 / ndf 59.64 / 80
p0 16.54 ± 248.4
pull
Entries 81
Mean 102.3
Std Dev 38.19
pull1D
Entries 81
Mean −0.02002
Std Dev 0.8579

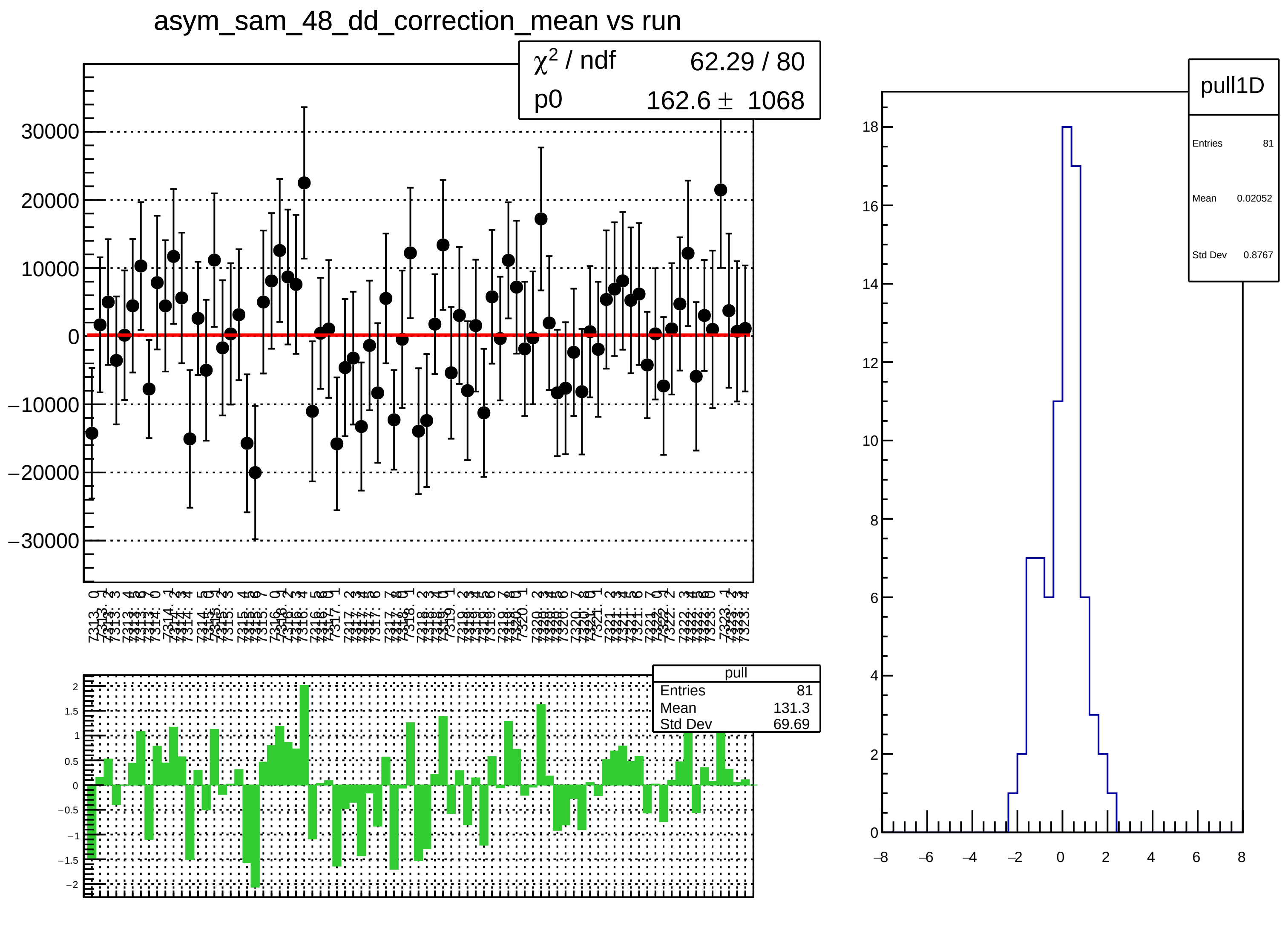


asym_sam_37_dd_rms vs run
χ2 / ndf 9549 / 80
p0 218.1 ± 0.1757
280
260
240
220
200

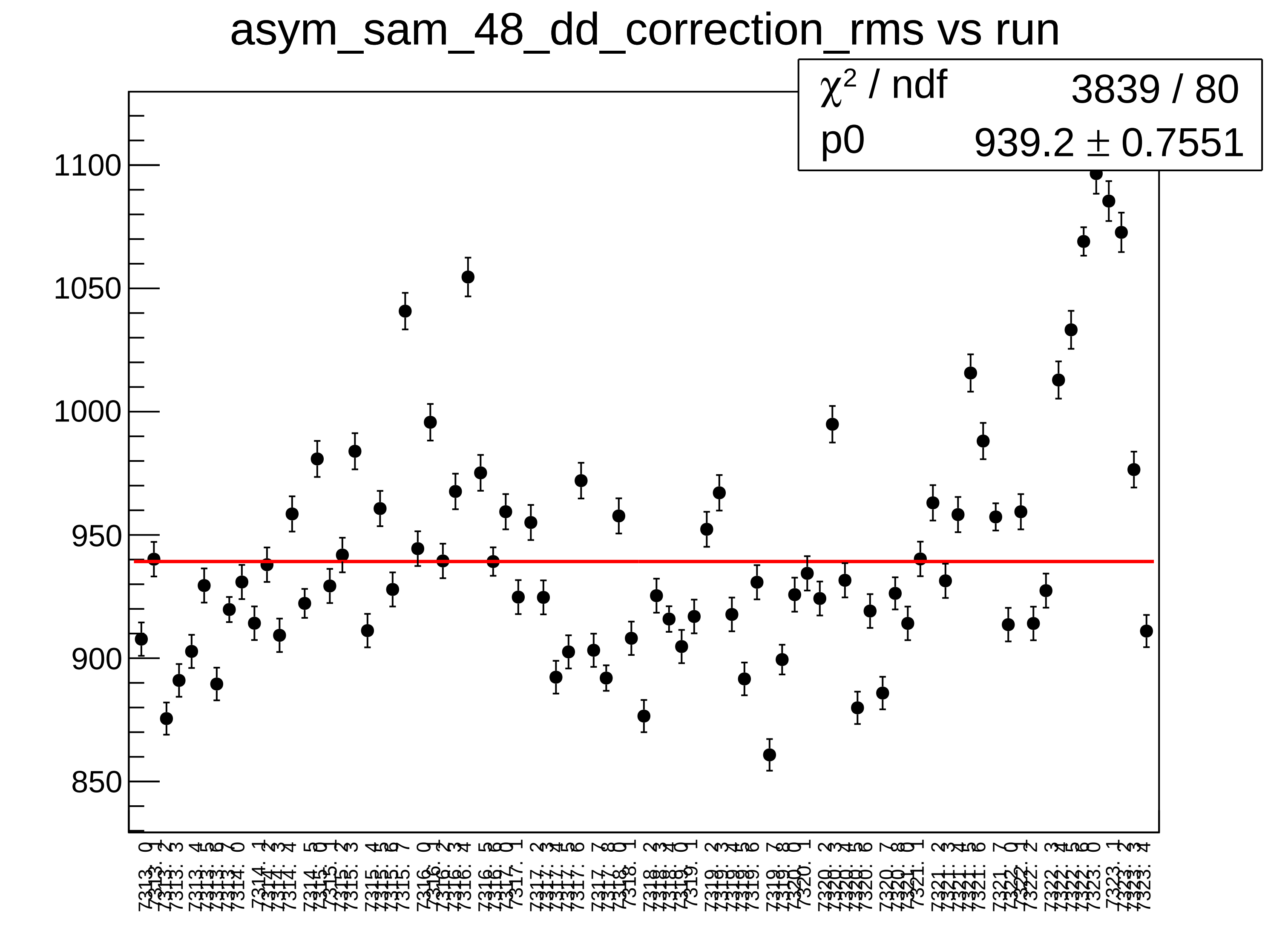

dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 106 / 80
p0 346.7 ± 153.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 81
Mean 31.95
Std Dev 62.5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.01416
Std Dev 1.144
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

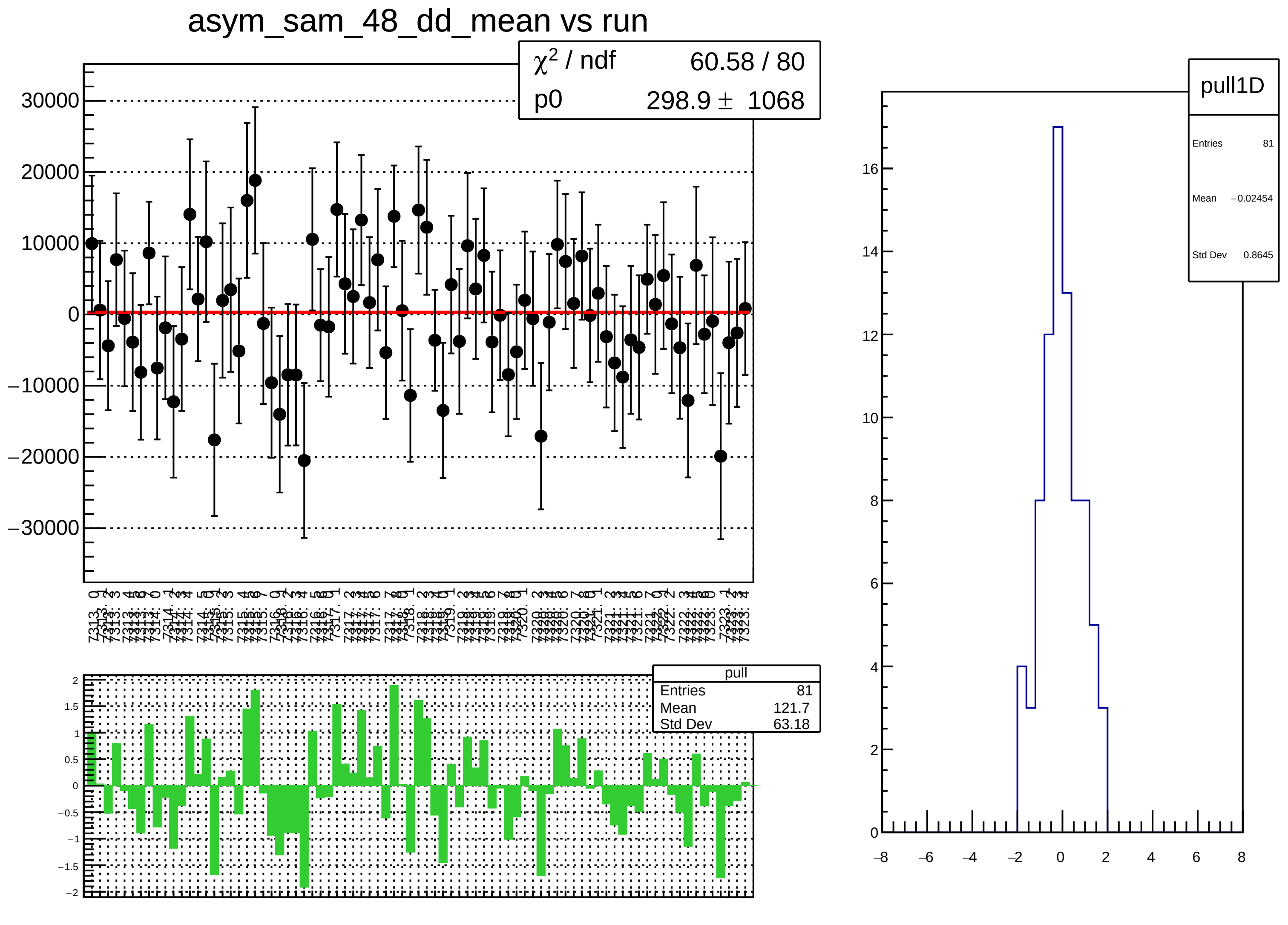


dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 5.613e+04 / 80
p0 133 ± 0.1088
240
220
200
180
160
140
120

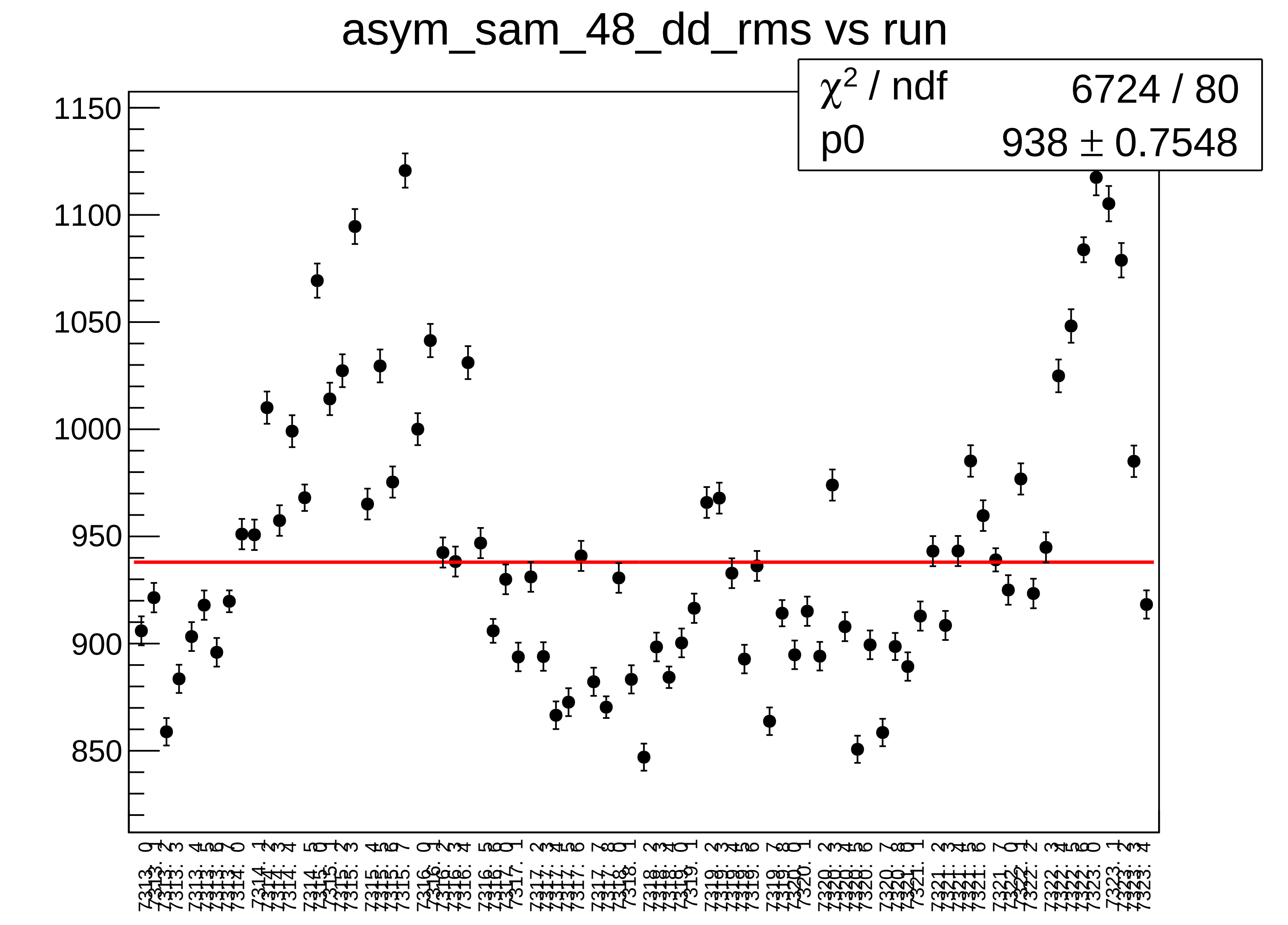


asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 62.29 / 80
p0 162.6 ± 1068
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 131.3
Std Dev 69.69
pull1D
Entries 81
Mean 0.02052
Std Dev 0.8767

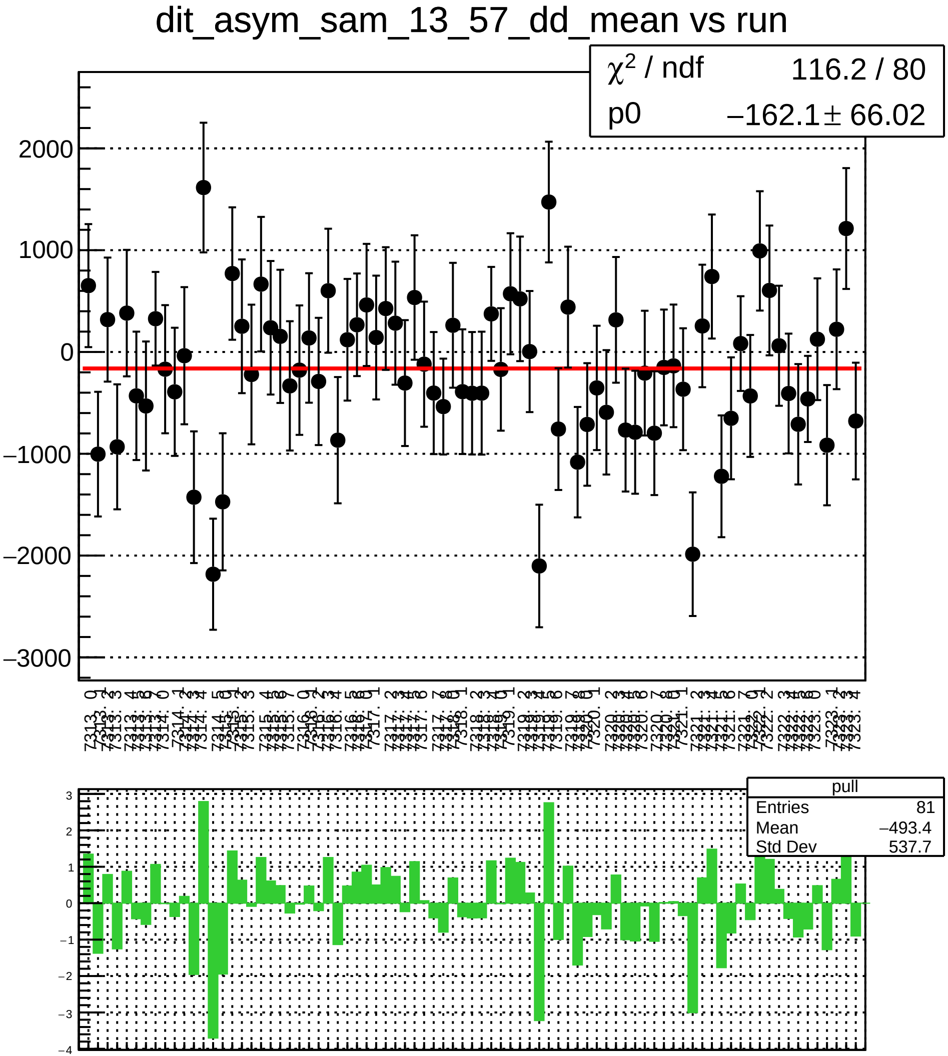

asym_sam_48_dd_correction_rms vs run
χ2 / ndf 3839 / 80
p0 939.2 ± 0.7551
1100
1050
1000
950
900
850



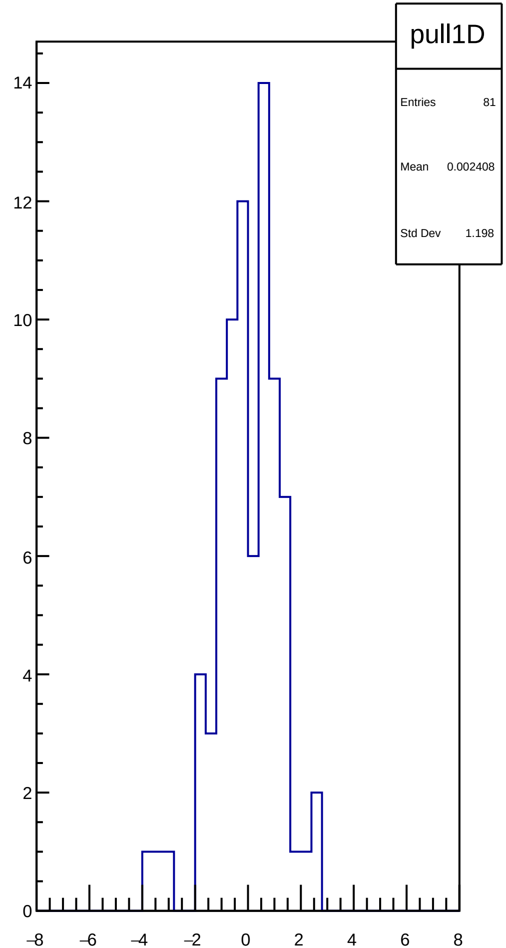
asym_sam_48_dd_mean vs run
χ2 / ndf 60.58 / 80
p0 298.9 ± 1068
pull
Entries 81
Mean 121.7
Std Dev 63.18
pull1D
Entries 81
Mean −0.02454
Std Dev 0.8645



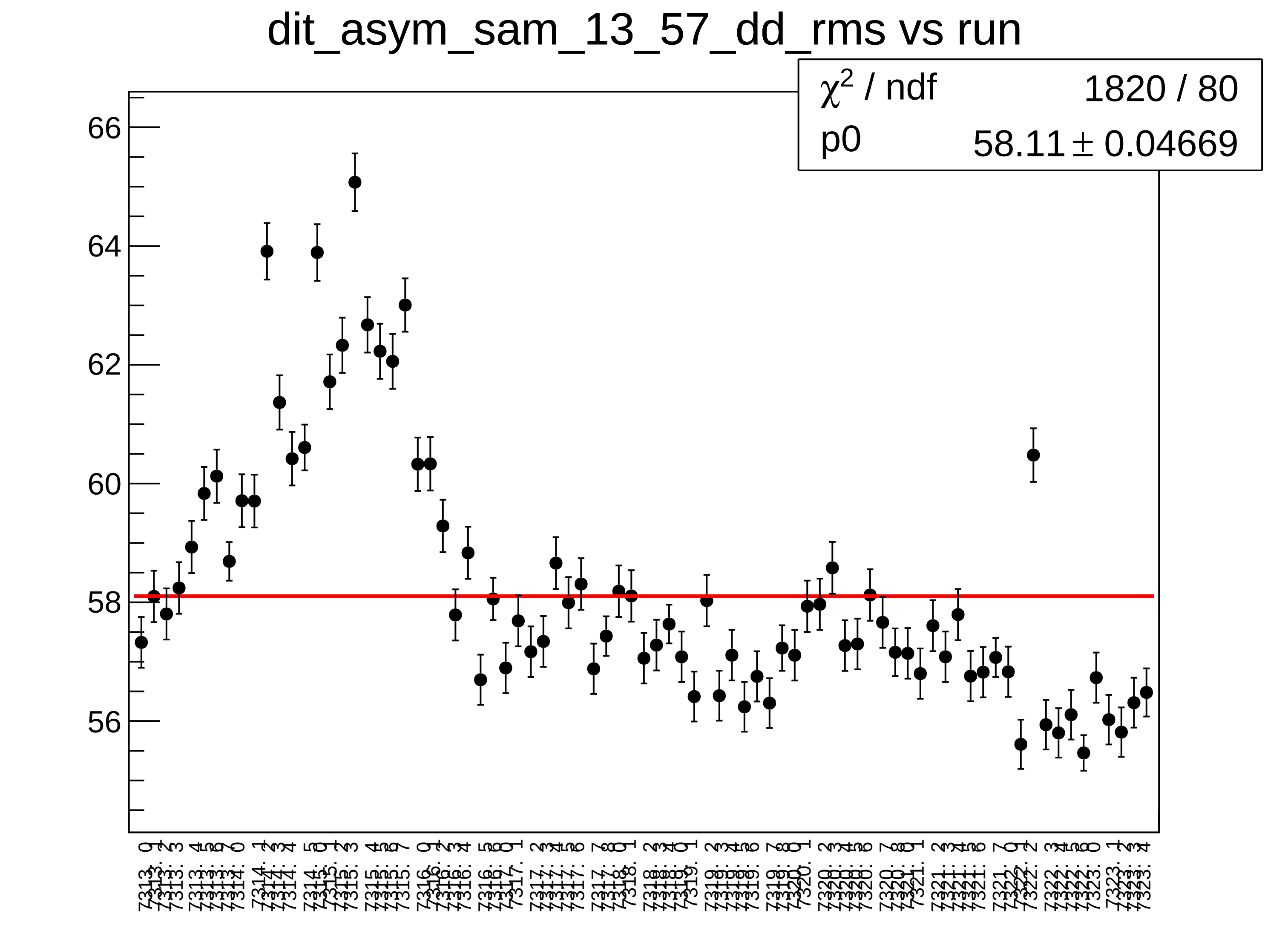
asym_sam_48_dd_rms vs run
χ^2 / ndf 6724 / 80
p0 938 ± 0.7548
1150
1100
1050
1000
950
900
850



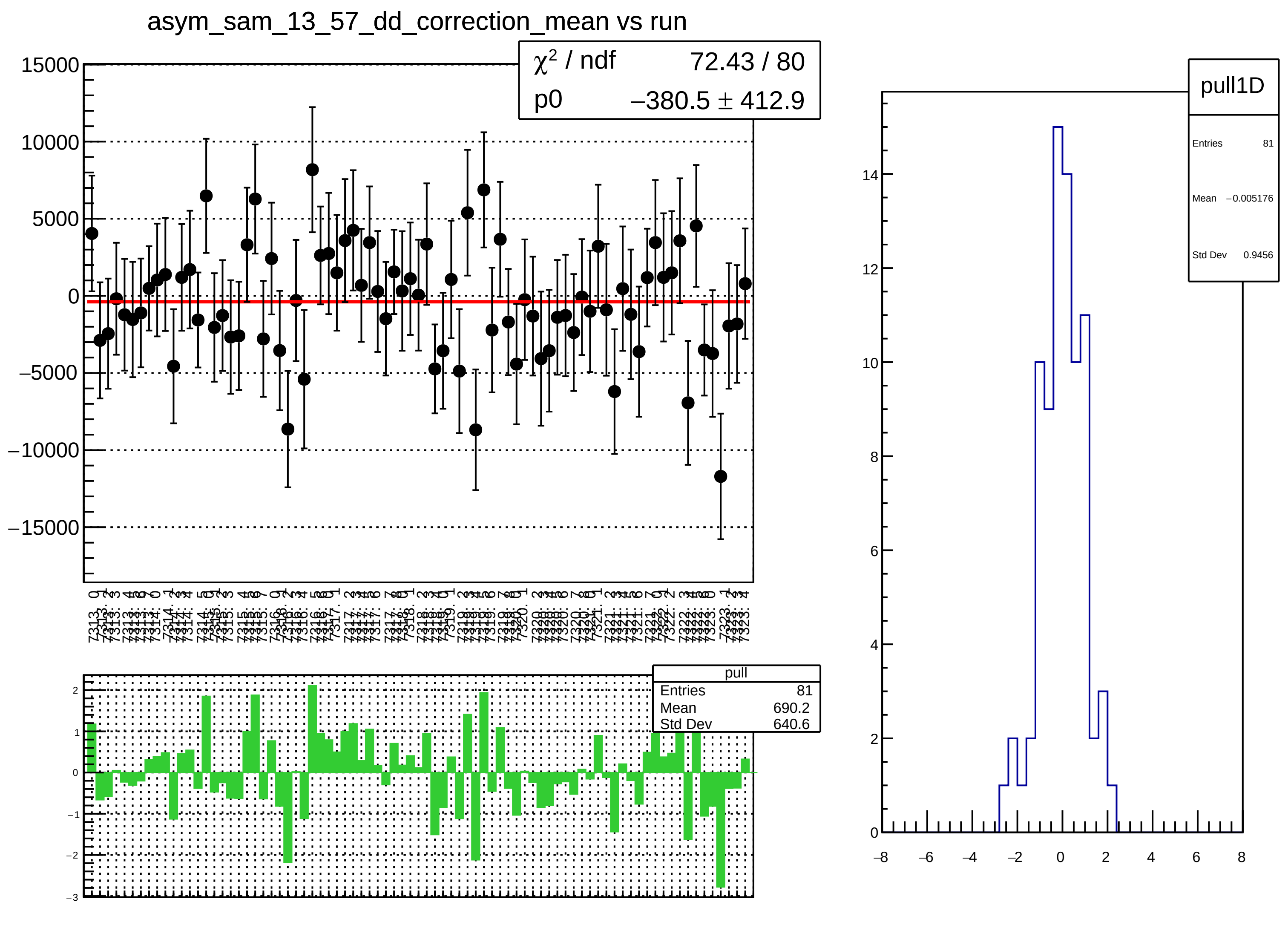
dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 116.2 / 80
p0 −162.1 ± 66.02
pull
Entries 81
Mean −493.4
Std Dev 537.7



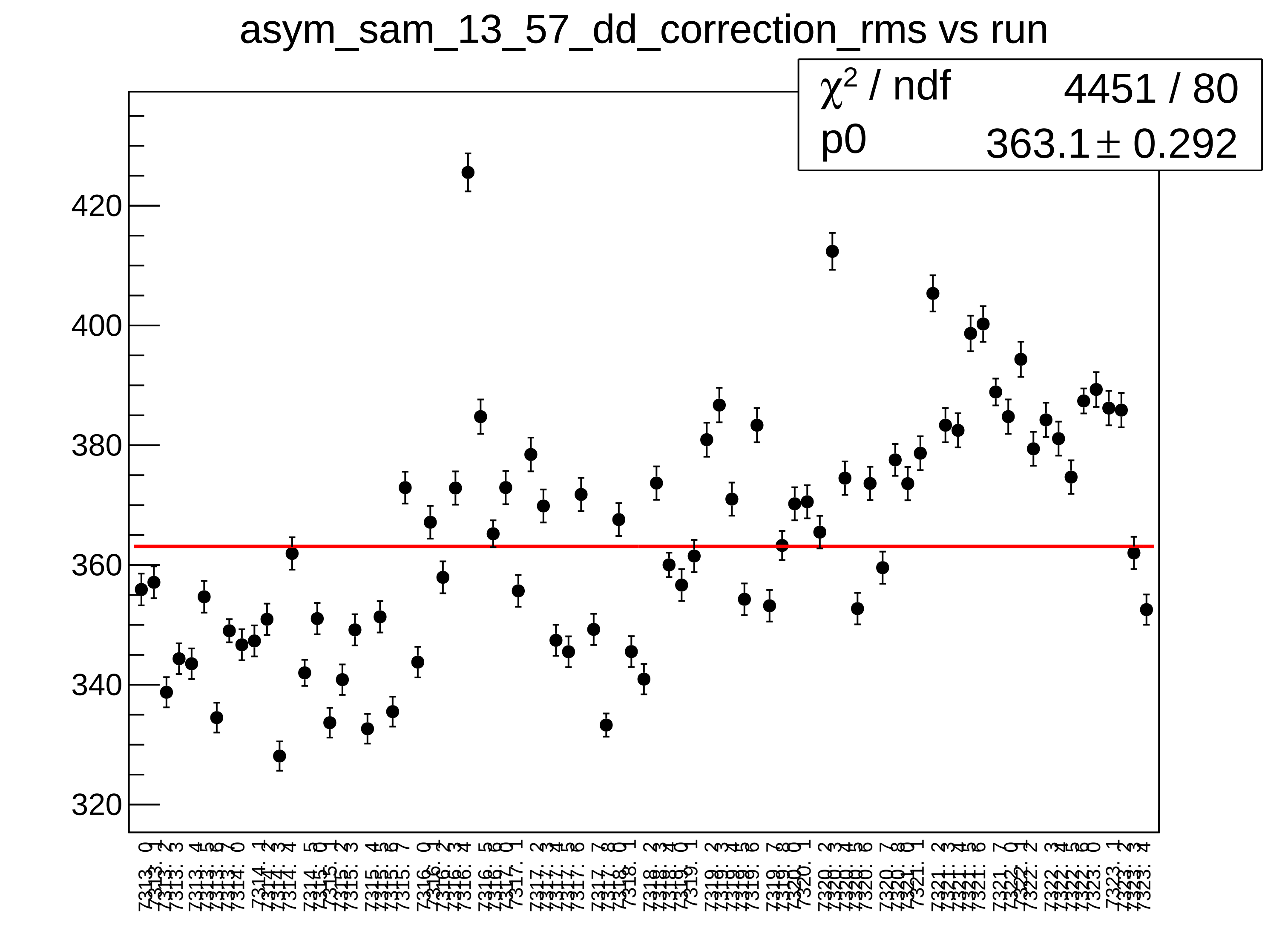
pull1D
Entries 81
Mean 0.002408
Std Dev 1.198

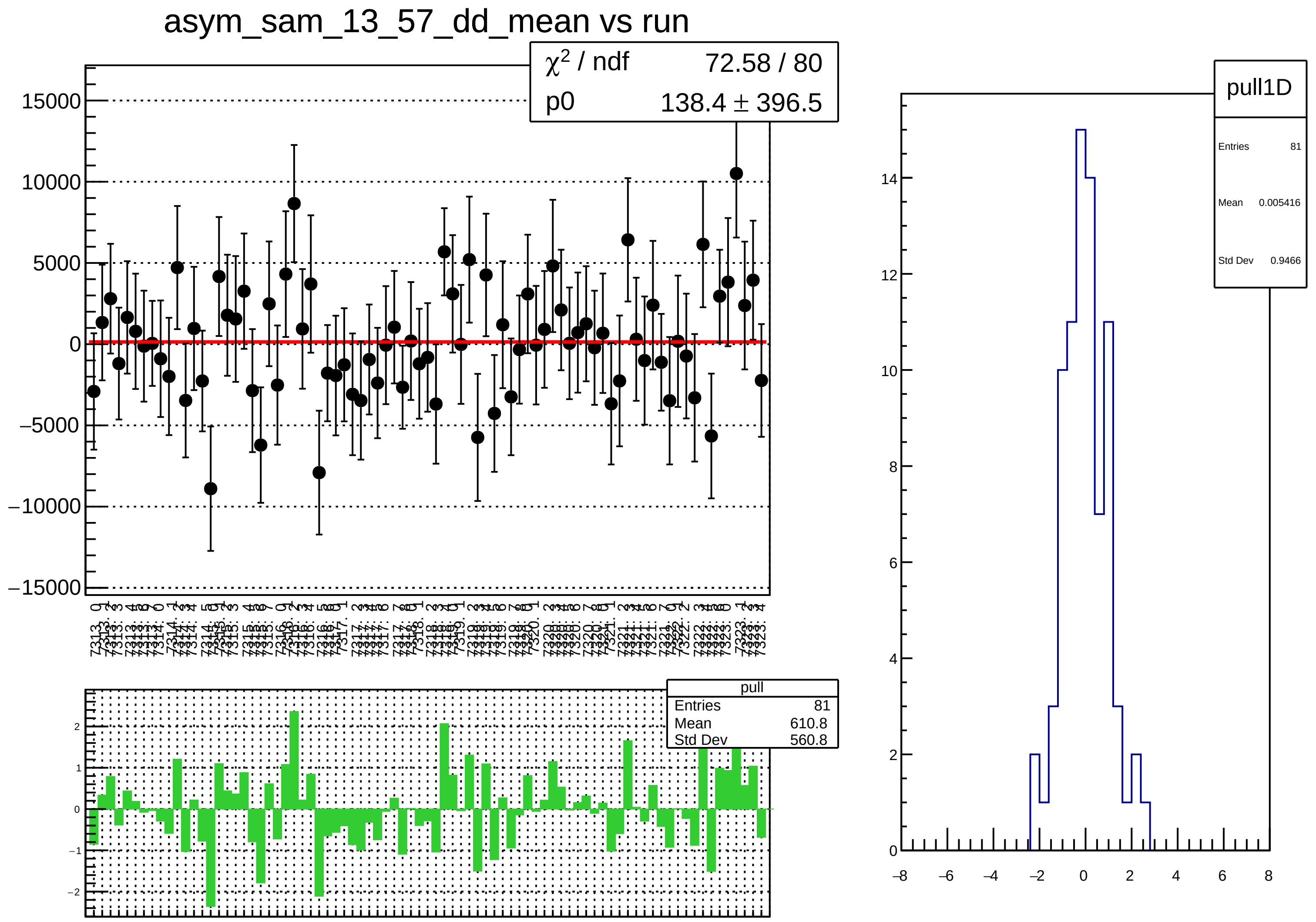


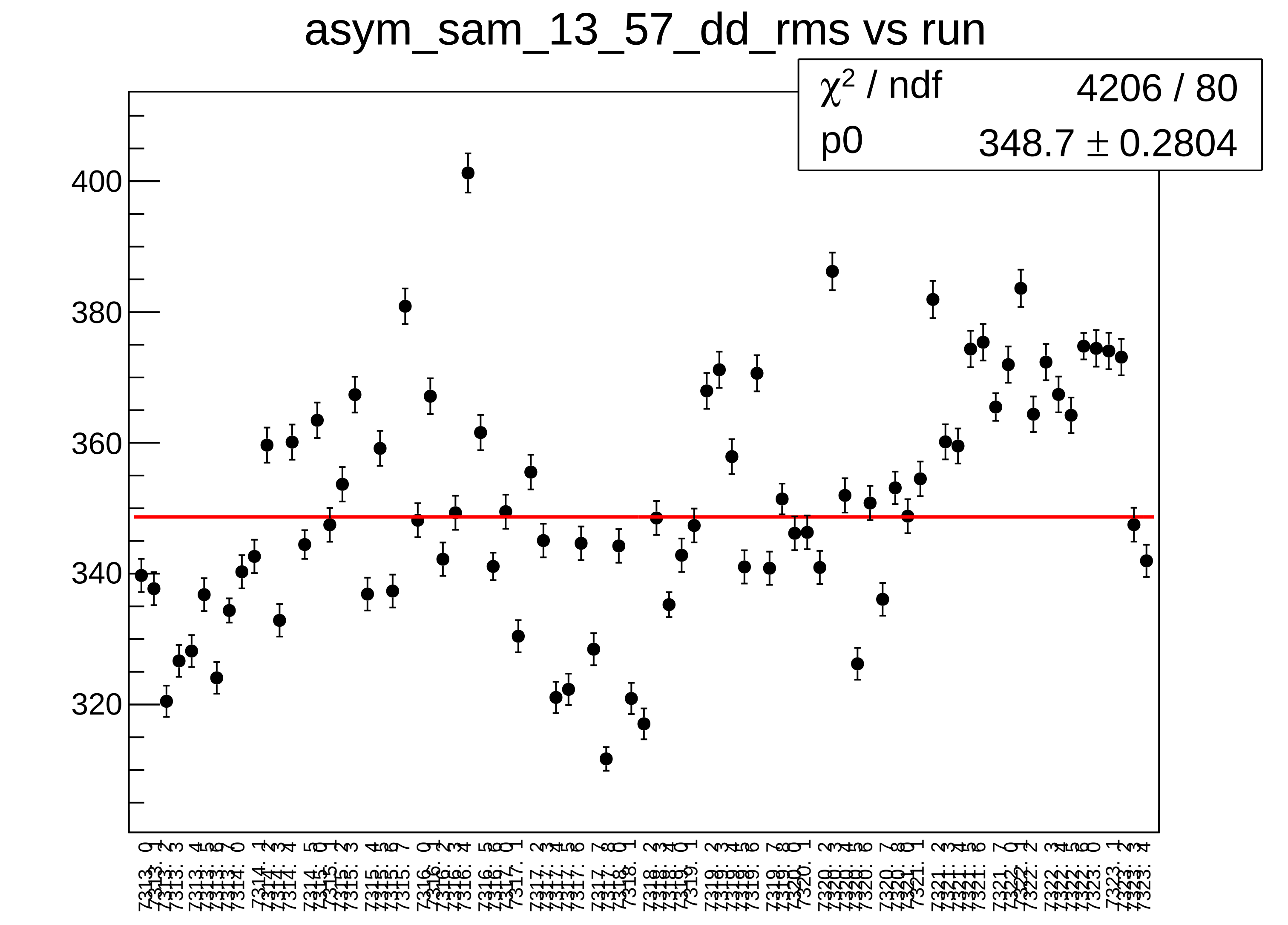
dit_asym_sam_13_57_dd_rms vs run
χ2 / ndf 1820 / 80
p0 58.11 ± 0.04669
66
64
62
60
58
56



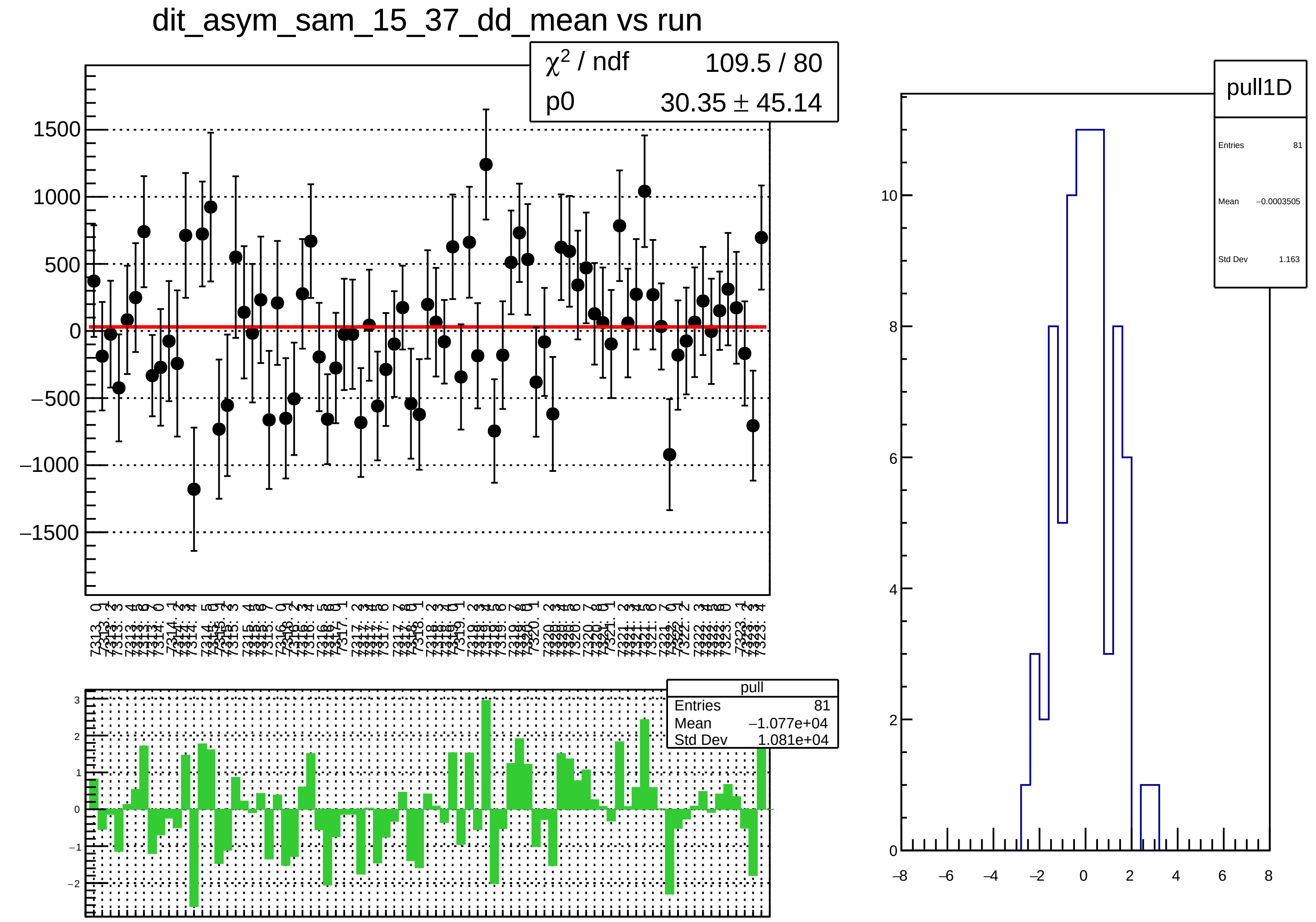
asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 72.43 / 80
p0 −380.5 ± 412.9
pull
Entries 81
Mean 690.2
Std Dev 640.6
pull1D
Entries 81
Mean −0.005176
Std Dev 0.9456


asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 4451 / 80
p0 363.1 ± 0.292

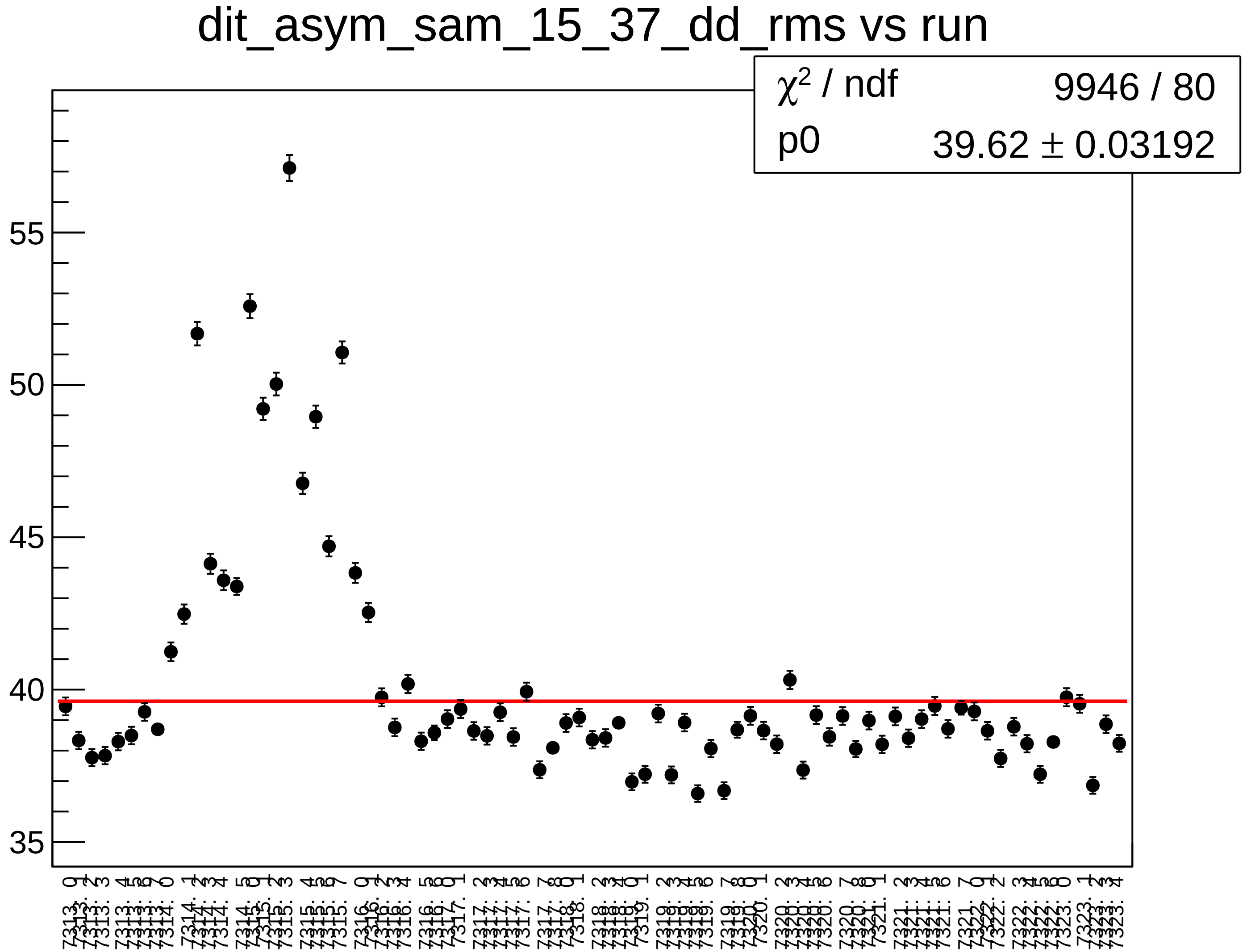

asym_sam_13_57_dd_mean vs run
χ2 / ndf 72.58 / 80
p0 138.4 ± 396.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 610.8
Std Dev 560.8
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.005416
Std Dev 0.9466
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



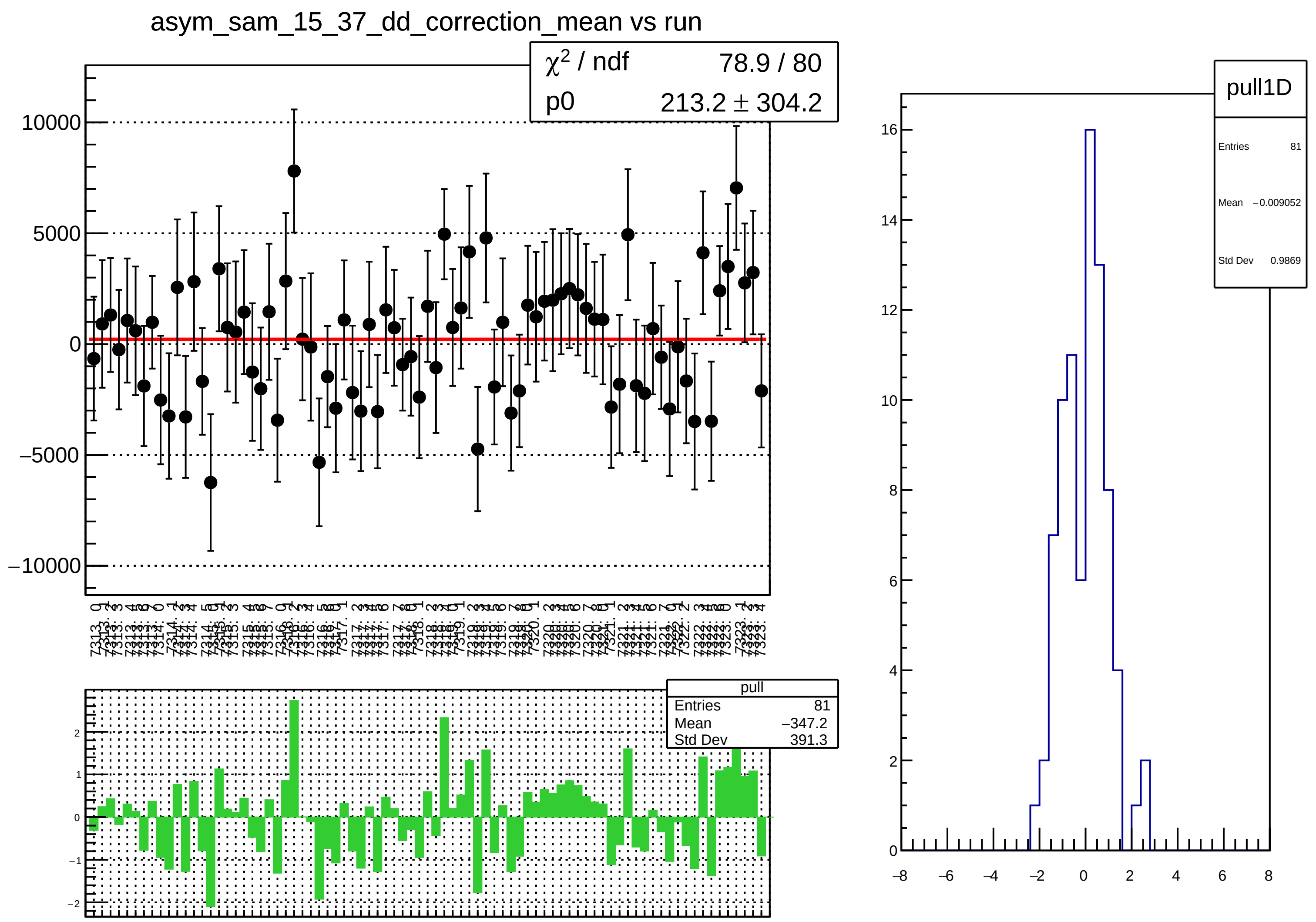
asym_sam_13_57_dd_rms vs run
χ^2 / ndf 4206 / 80
p0 348.7 ± 0.2804
400
380
360
340
320



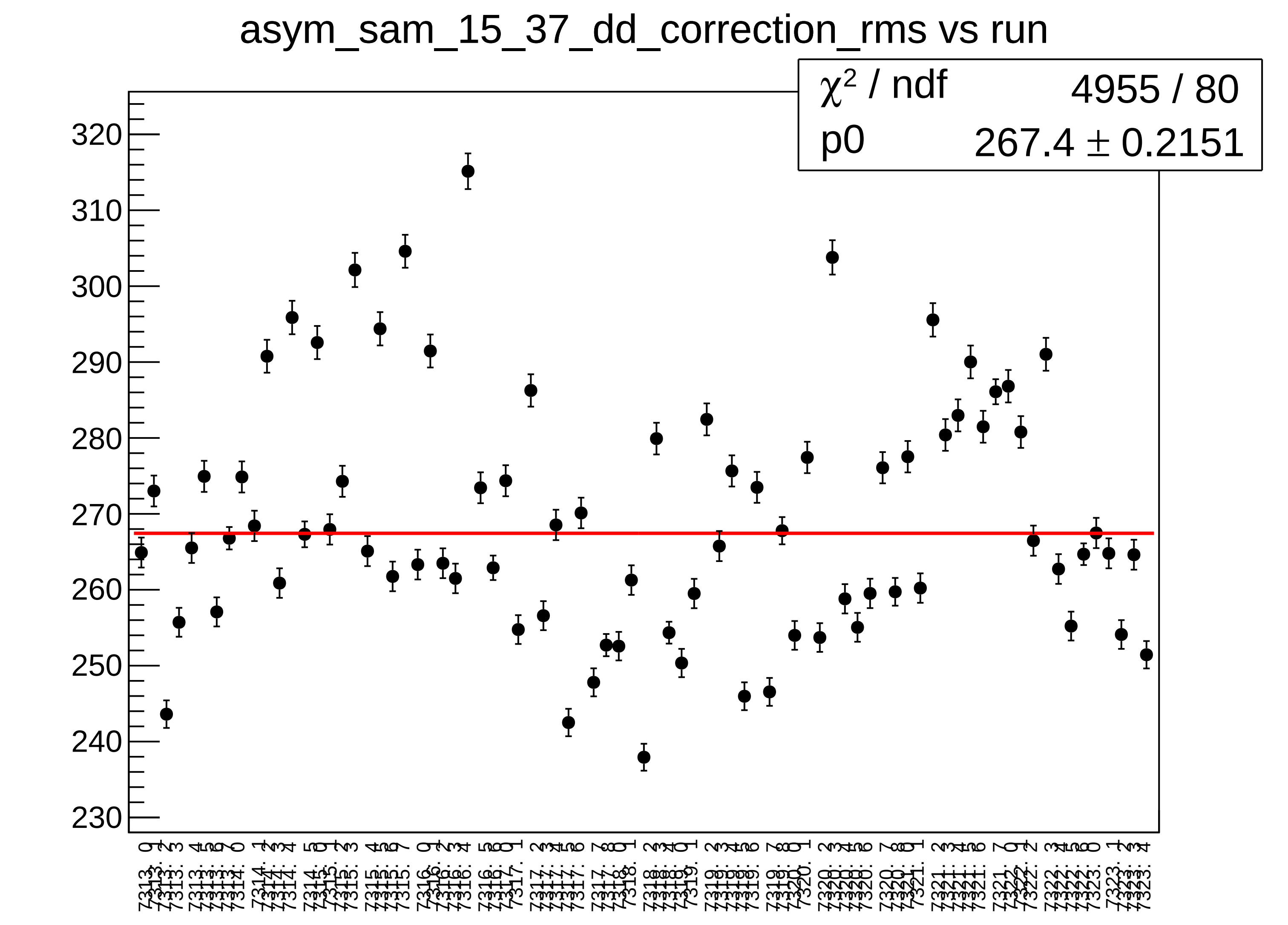
dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 109.5 / 80
p0 30.35 ± 45.14
1500
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean −1.077e+04
Std Dev 1.081e+04
pull1D
Entries 81
Mean −0.0003505
Std Dev 1.163



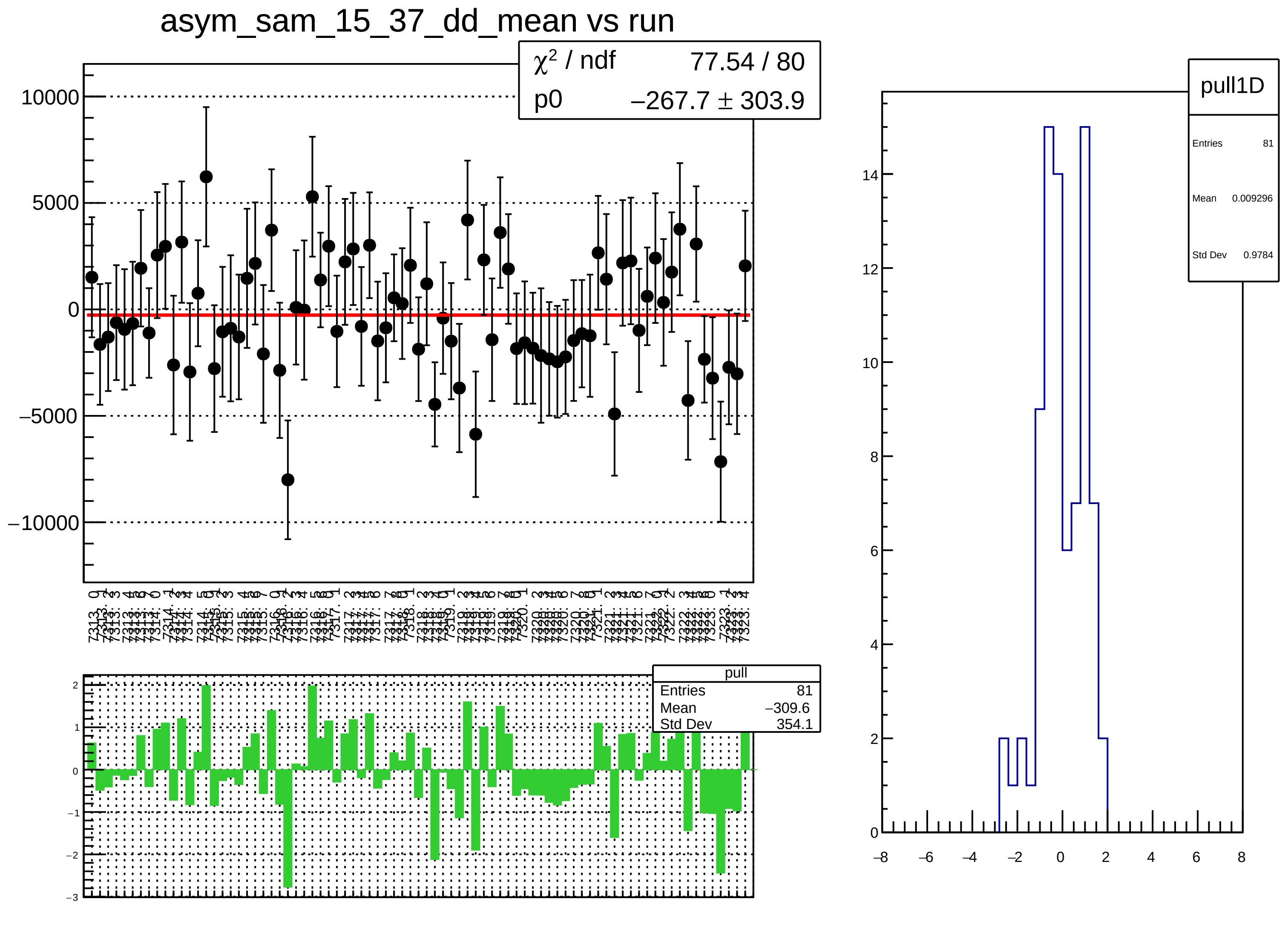
dit_asym_sam_15_37_dd_rms vs run
χ2 / ndf 9946 / 80
p0 39.62 ± 0.03192
55
50
45
40
35

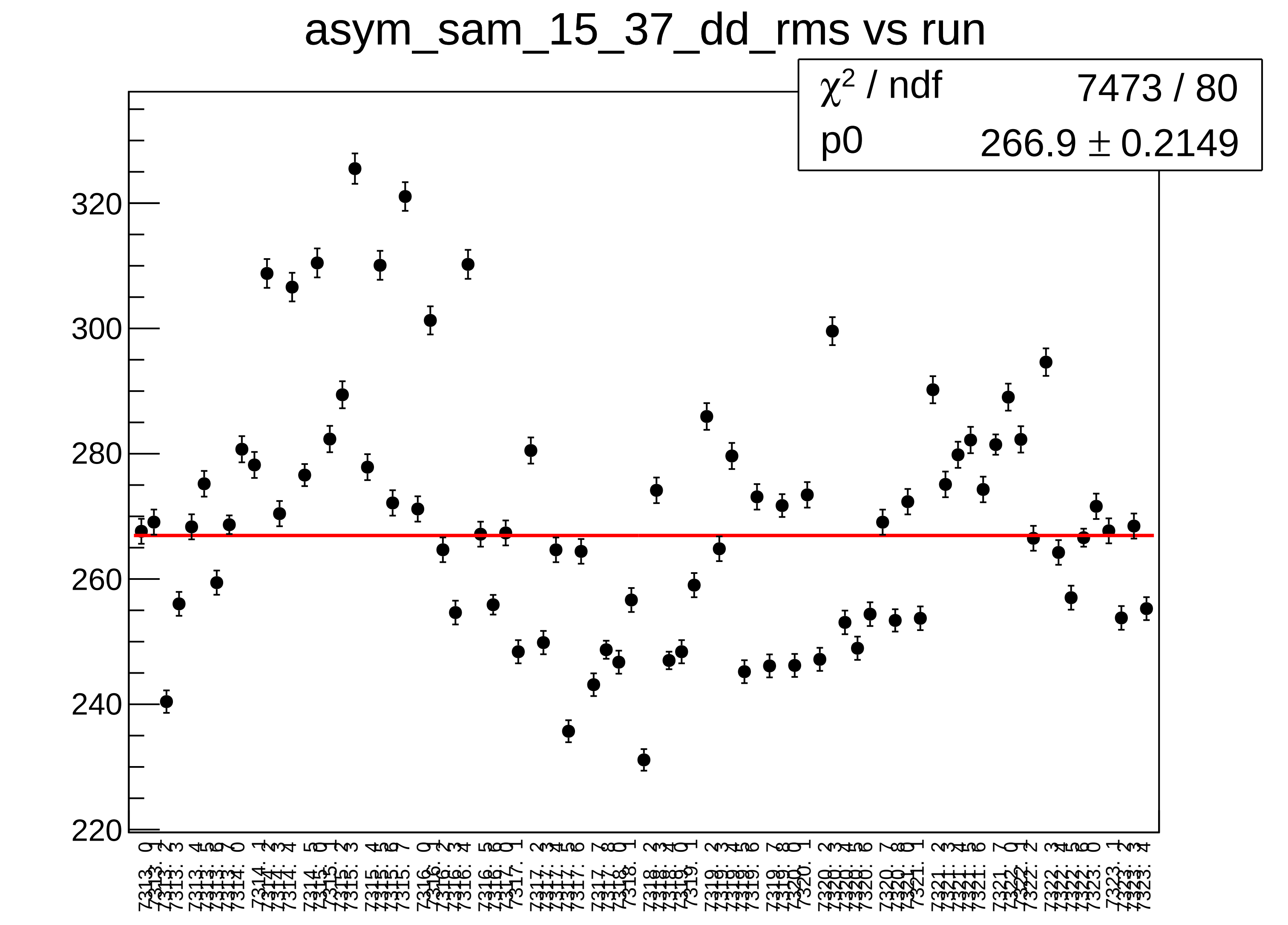


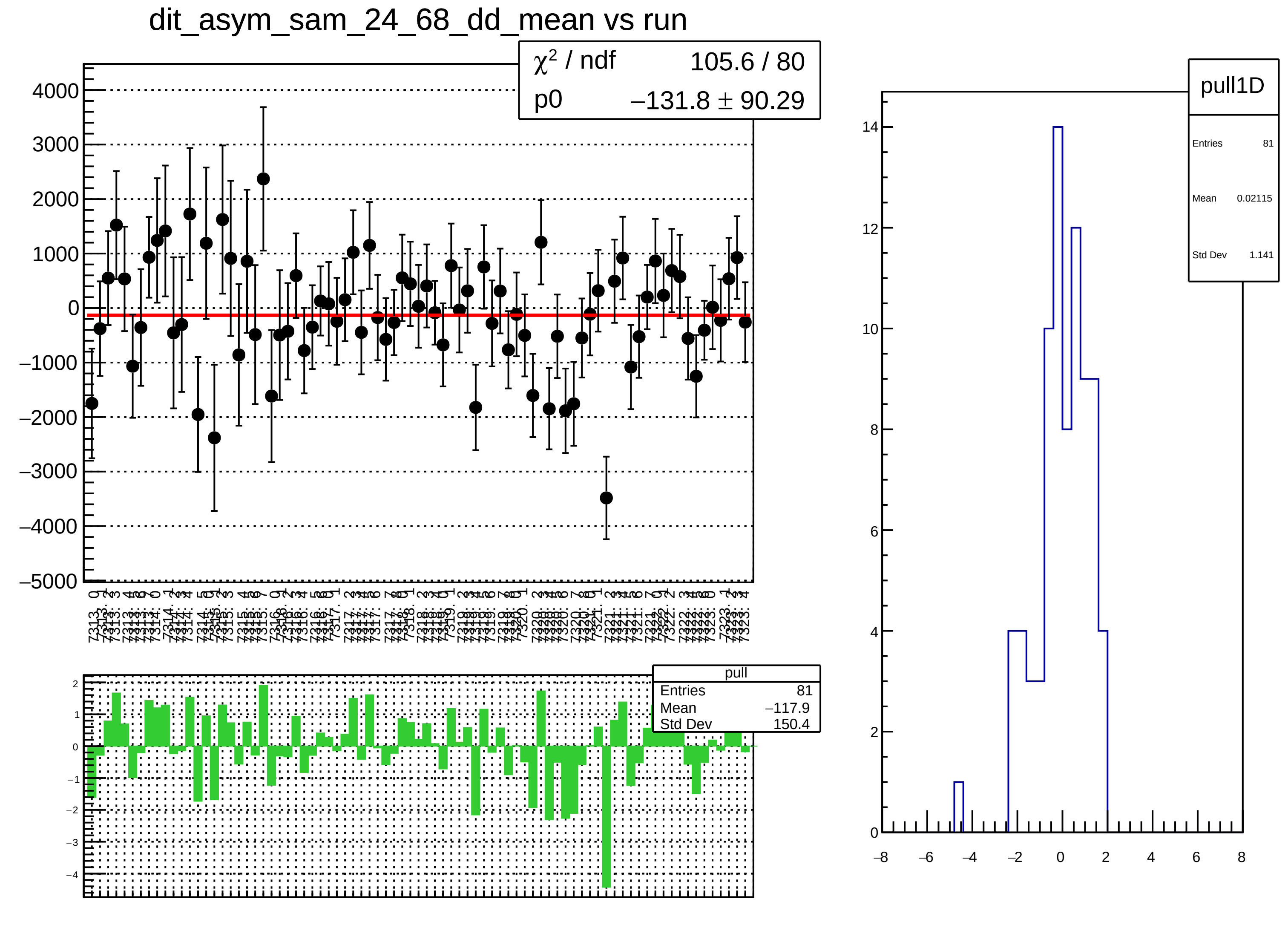
asym_sam_15_37_dd_correction_mean vs run
χ2 / ndf 78.9 / 80
p0 213.2 ± 304.2
pull
Entries 81
Mean −347.2
Std Dev 391.3
pull1D
Entries 81
Mean −0.009052
Std Dev 0.9869

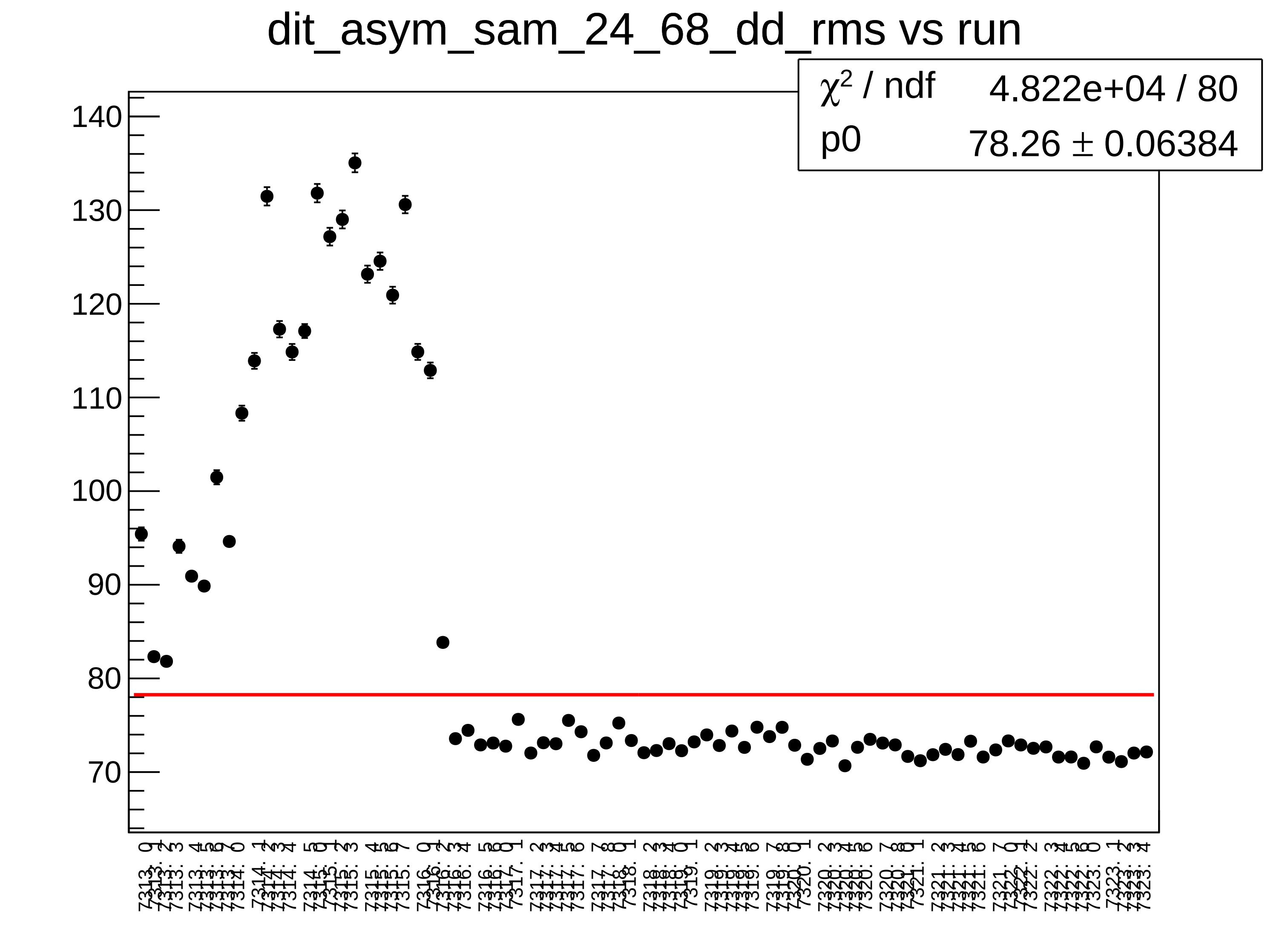


asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4955 / 80
p0 267.4 ± 0.2151
320
310
300
290
280
270
260
250
240
230

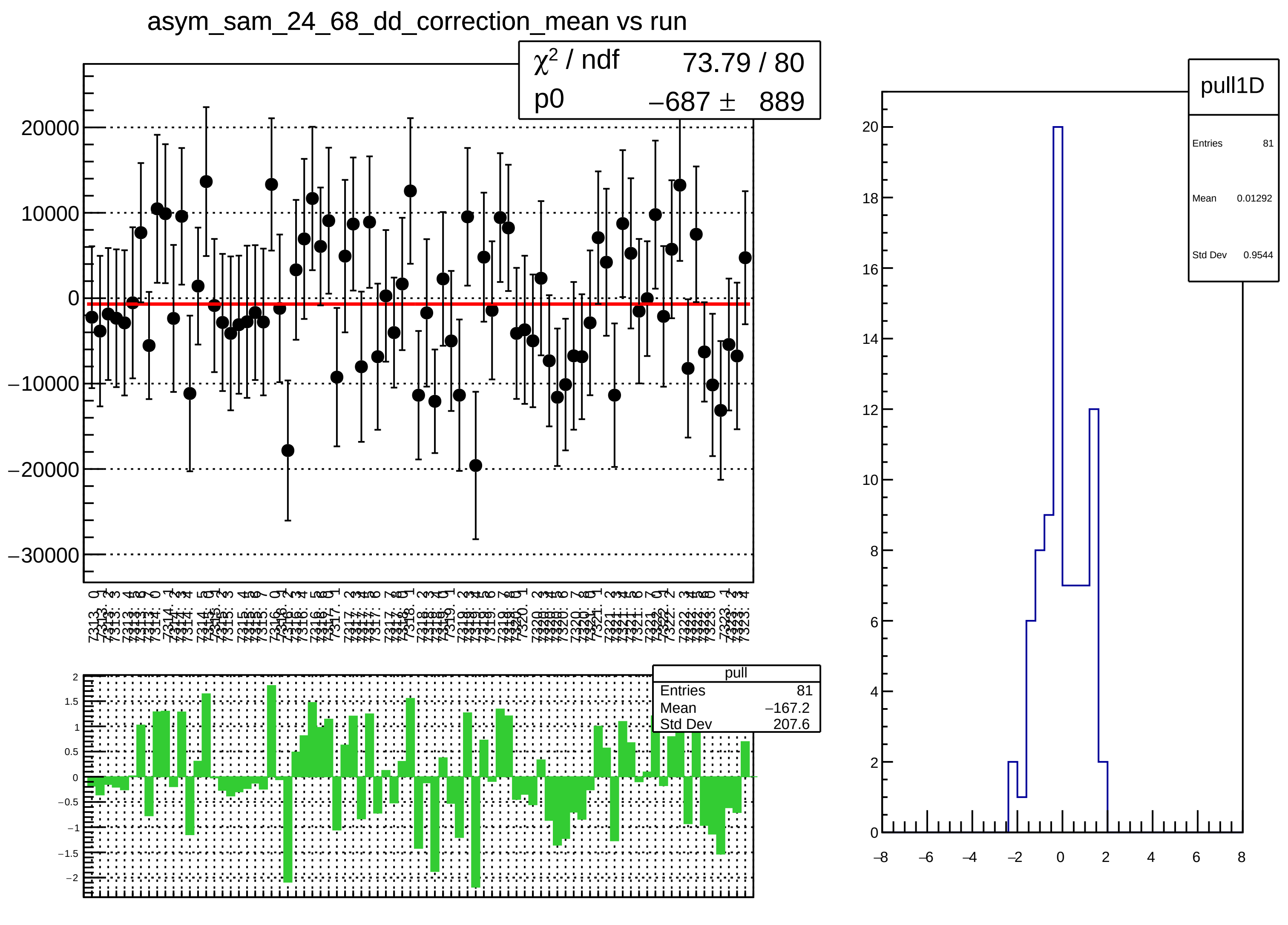

asym_sam_15_37_dd_mean vs run
χ^2 / ndf 77.54 / 80
p0 −267.7 ± 303.9
pull
Entries 81
Mean −309.6
Std Dev 354.1
pull1D
Entries 81
Mean 0.009296
Std Dev 0.9784

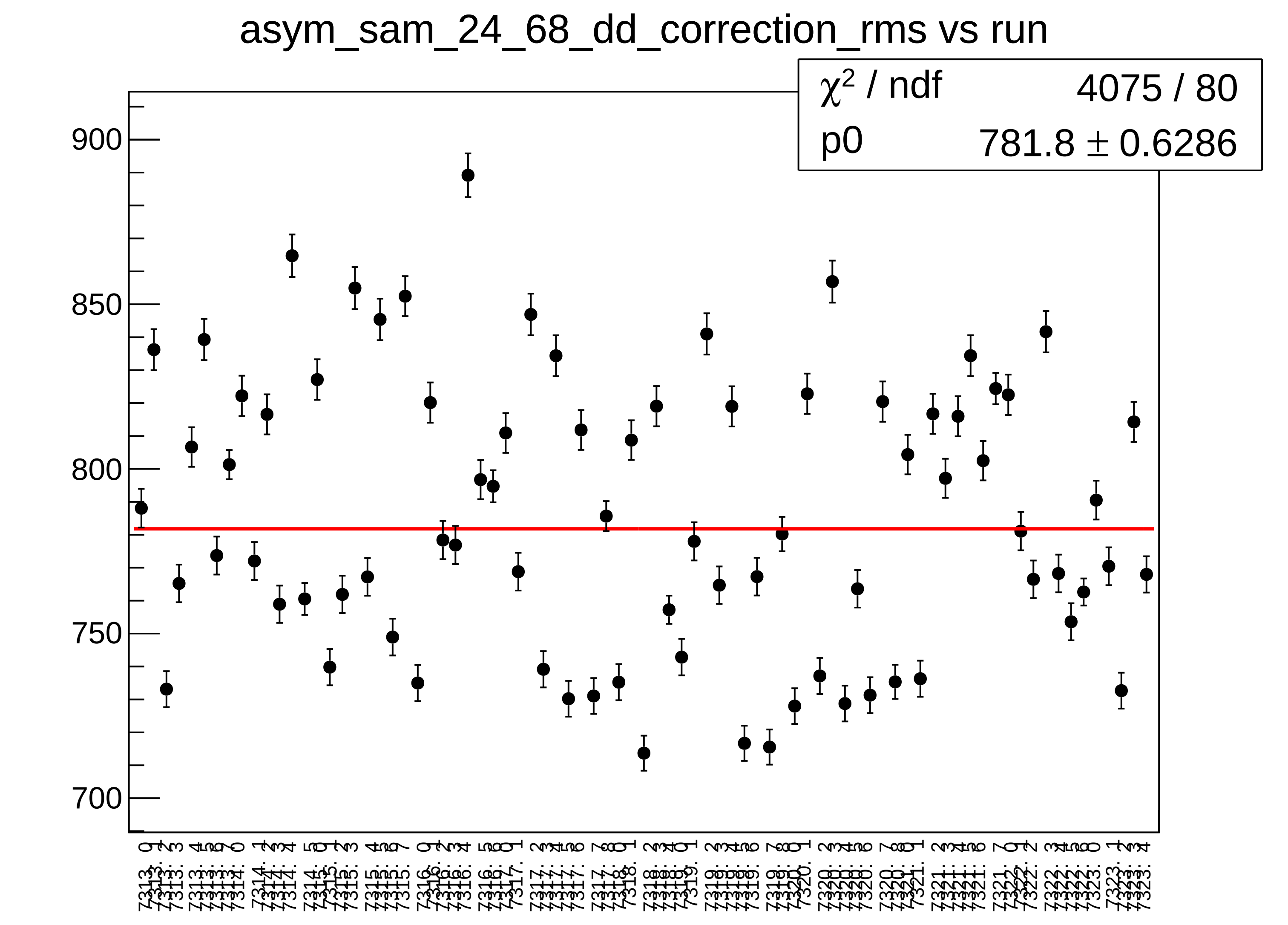

asym_sam_15_37_dd_rms vs run
χ2 / ndf 7473 / 80
p0 266.9 ± 0.2149
320
300
280
260
240
220


dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 105.6 / 80
p0 −131.8 ± 90.29
pull
Entries 81
Mean −117.9
Std Dev 150.4
pull1D
Entries 81
Mean 0.02115
Std Dev 1.141

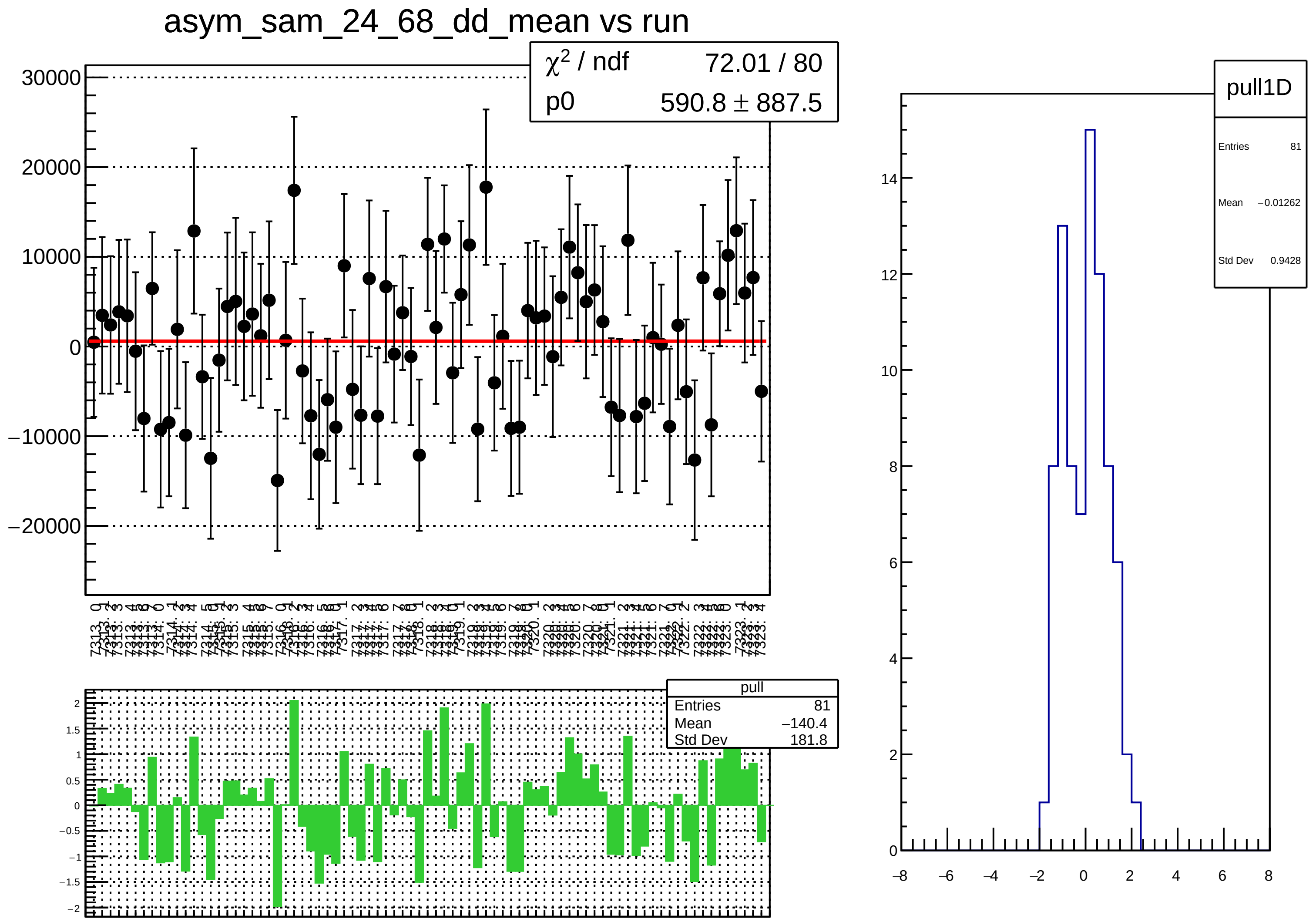


dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 4.822e+04 / 80
p0 78.26 ± 0.06384
140
130
120
110
100
90
80
70

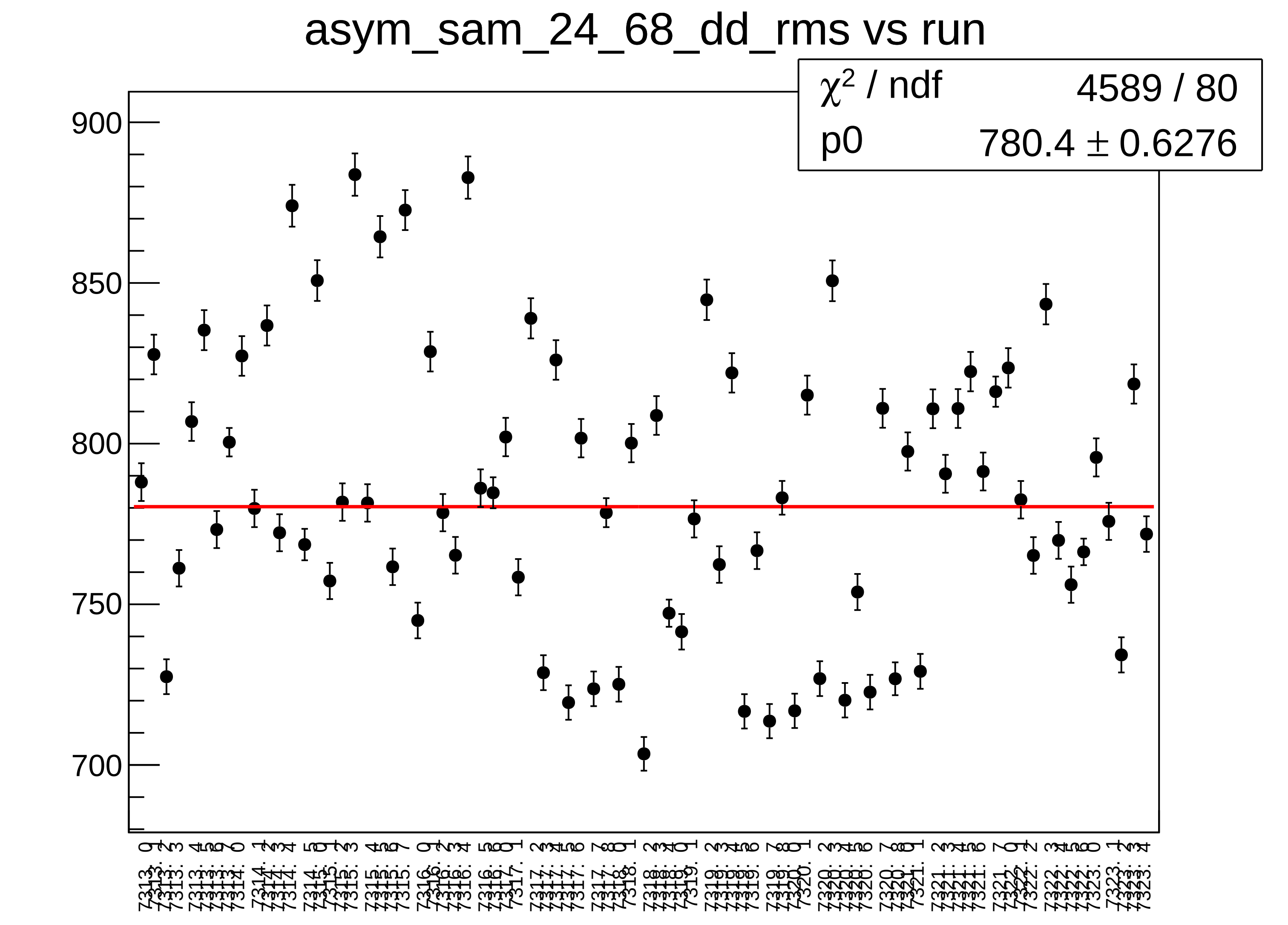

asym_sam_24_68_dd_correction_mean vs run
χ2 / ndf 73.79 / 80
p0 −687 ± 889
pull
Entries 81
Mean −167.2
Std Dev 207.6
pull1D
Entries 81
Mean 0.01292
Std Dev 0.9544



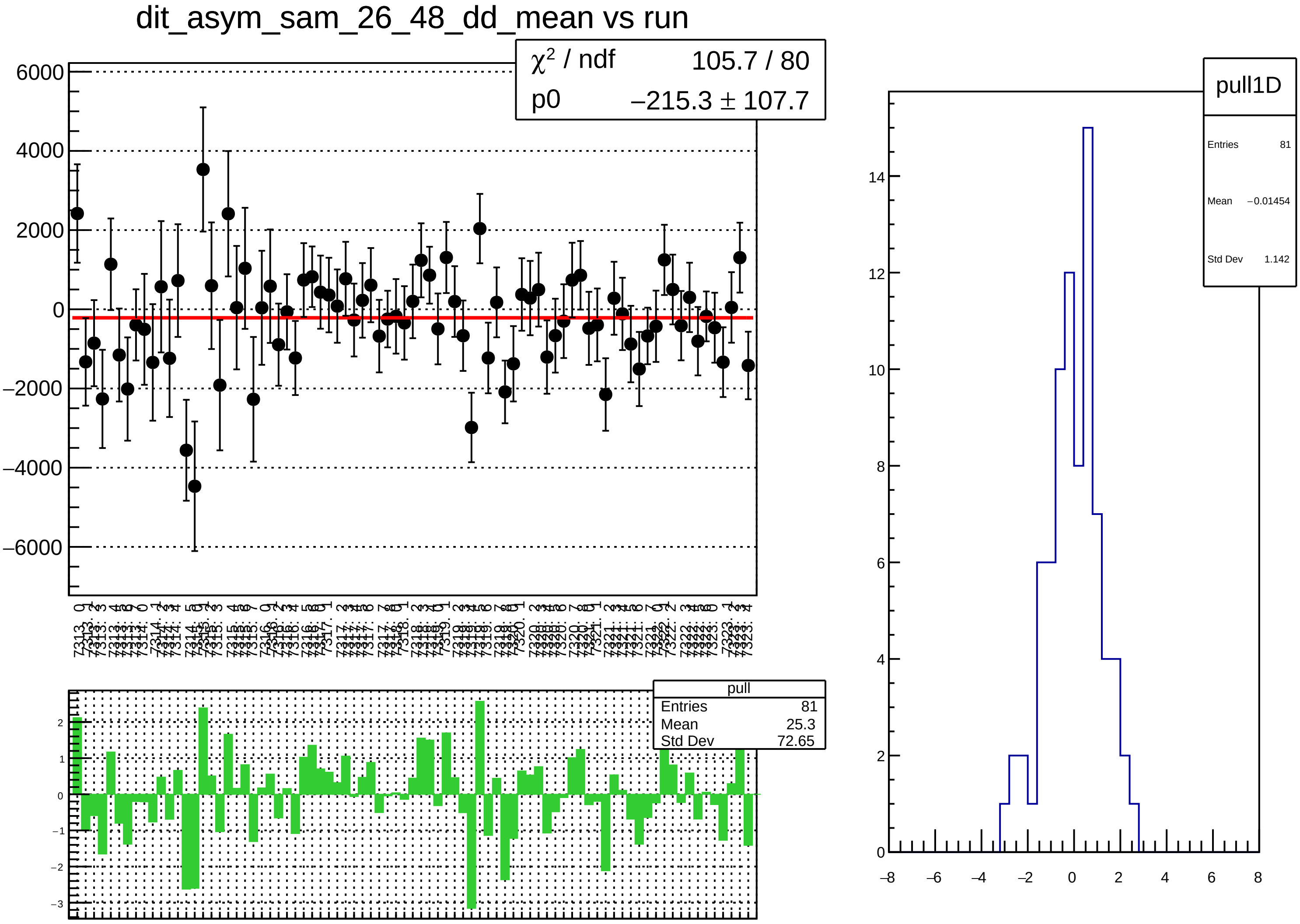
asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 4075 / 80
p0 781.8 ± 0.6286
900
850
800
750
700



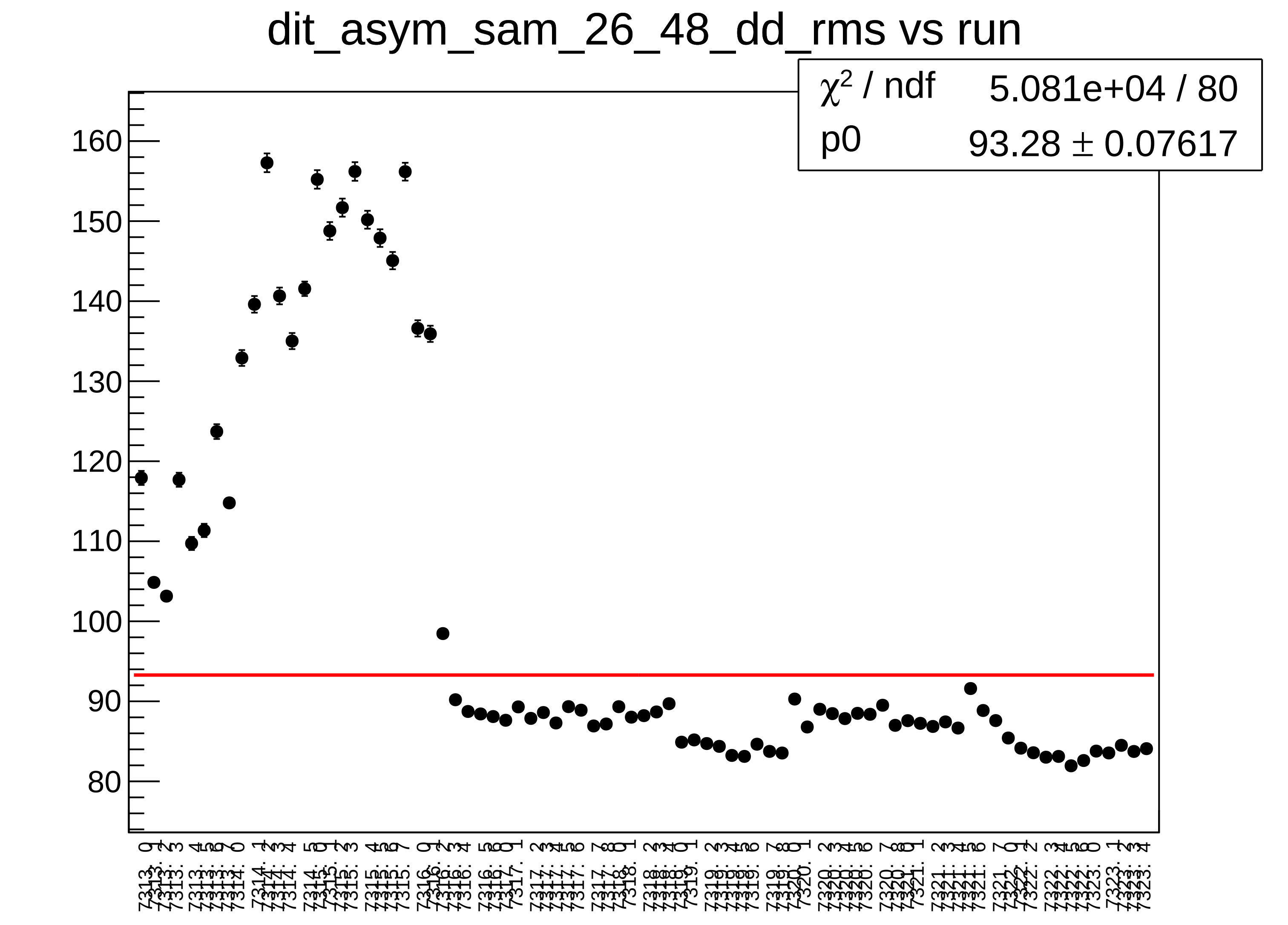
asym_sam_24_68_dd_mean vs run
χ^2 / ndf 72.01 / 80
p0 590.8 ± 887.5
pull
Entries 81
Mean −140.4
Std Dev 181.8
pull1D
Entries 81
Mean −0.01262
Std Dev 0.9428



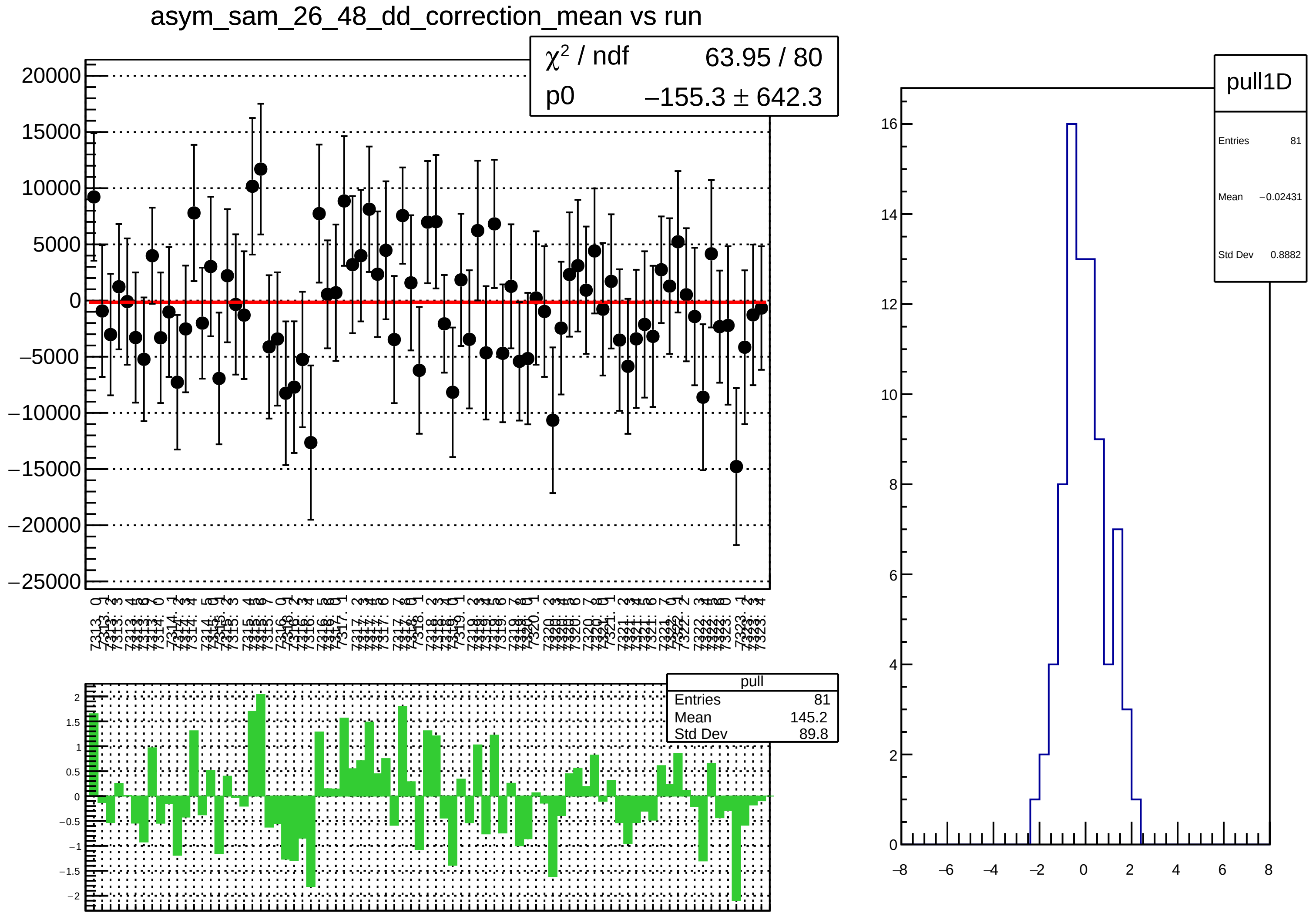
asym_sam_24_68_dd_rms vs run
χ^2 / ndf 4589 / 80
p0 780.4 ± 0.6276
900
850
800
750
700



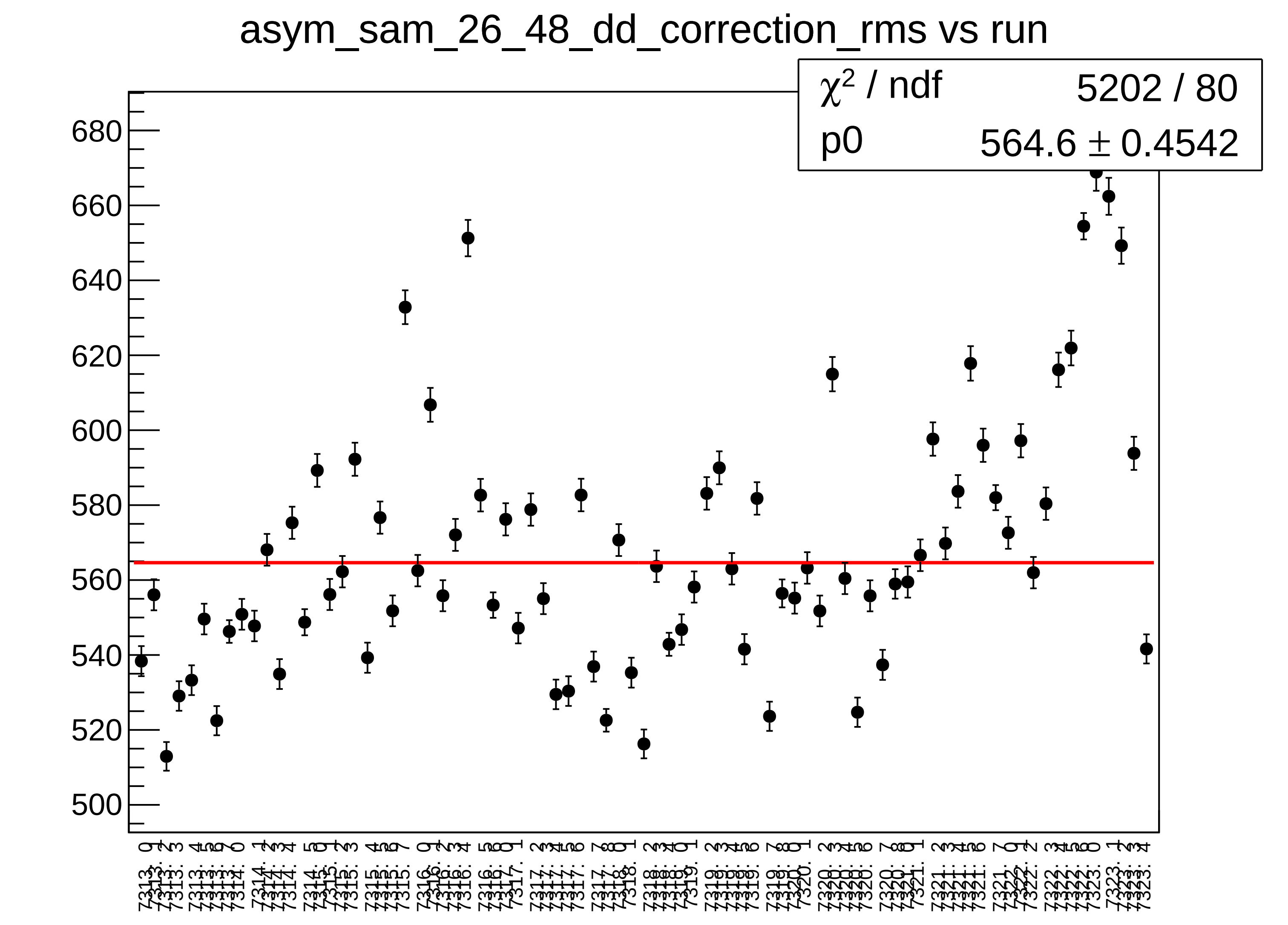
dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 105.7 / 80
p0 −215.3 ± 107.7
pull
Entries 81
Mean 25.3
Std Dev 72.65
pull1D
Entries 81
Mean −0.01454
Std Dev 1.142



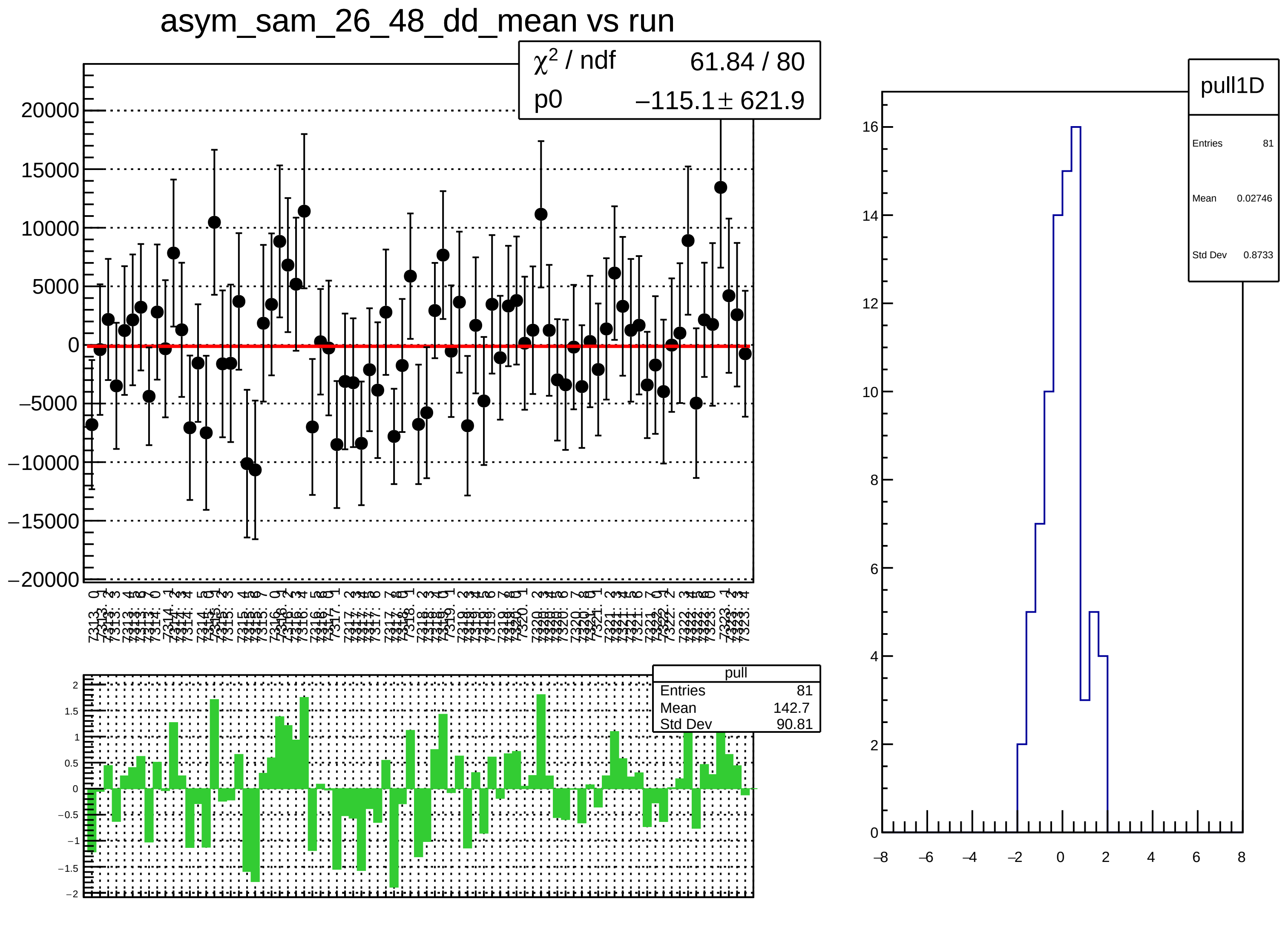
dit_asym_sam_26_48_dd_rms vs run
χ2 / ndf 5.081e+04 / 80
p0 93.28 ± 0.07617
160
150
140
130
120
110
100
90
80



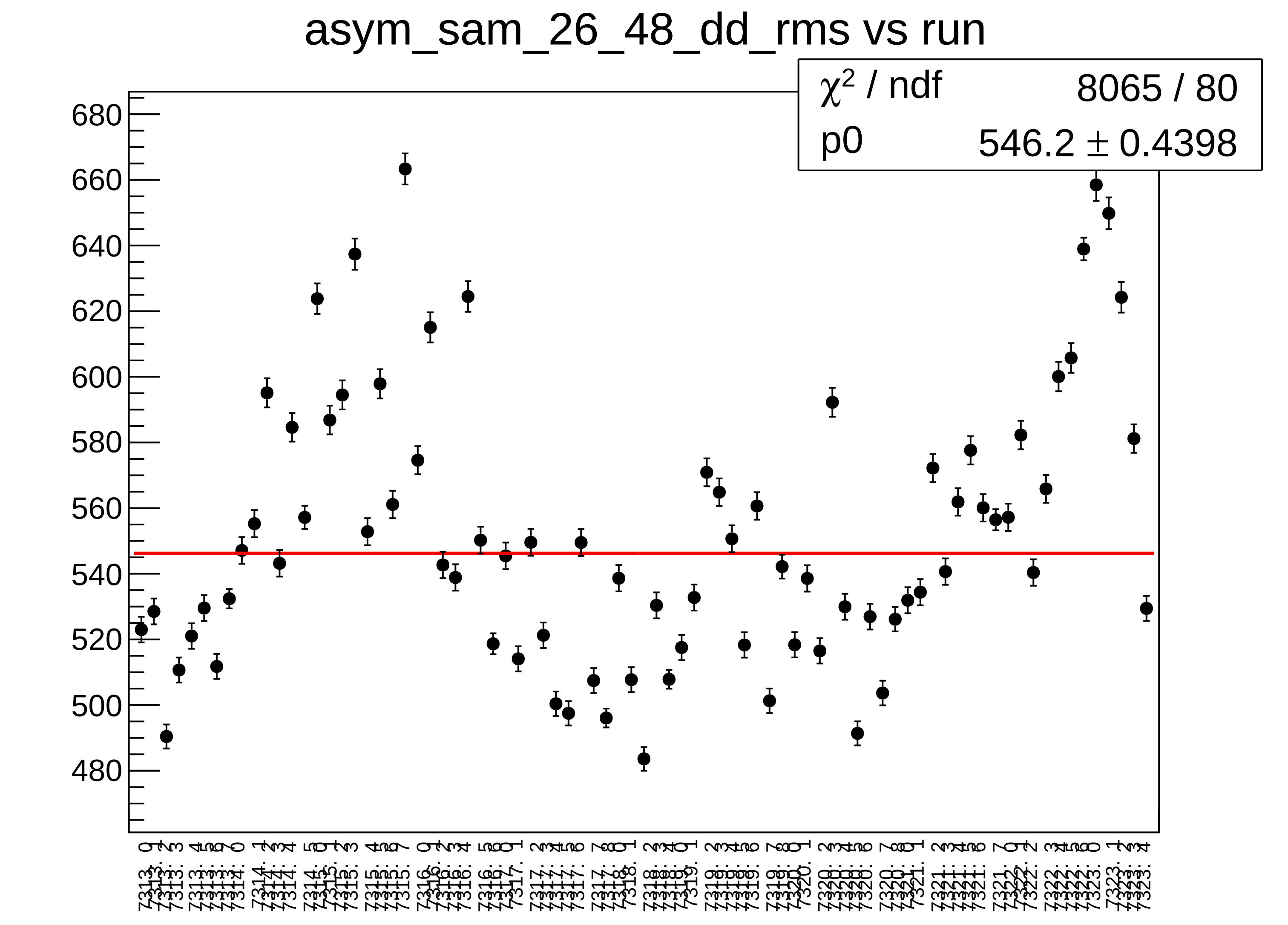
asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 63.95 / 80
p0 −155.3 ± 642.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 81
Mean 145.2
Std Dev 89.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.02431
Std Dev 0.8882
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



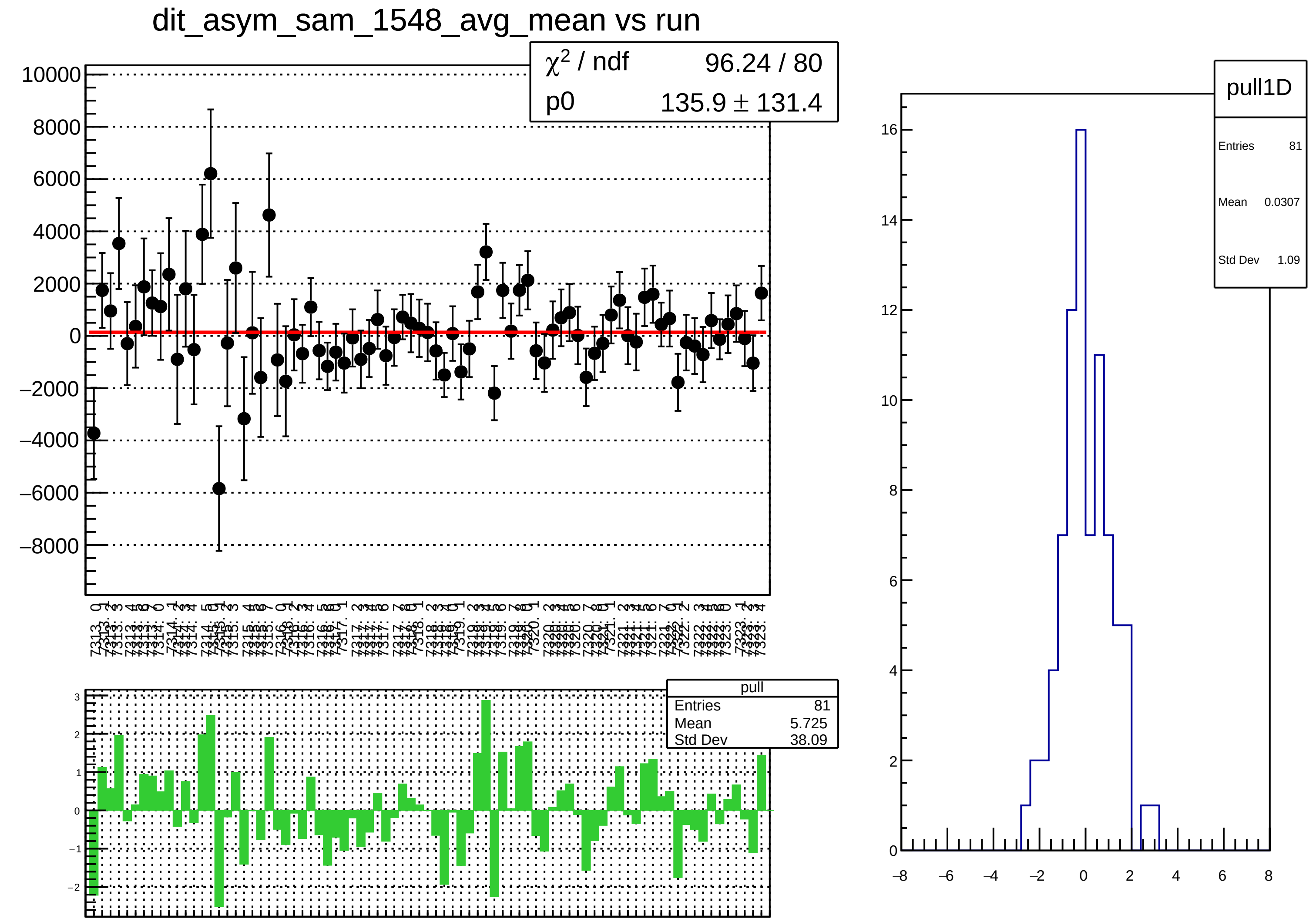
asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 5202 / 80
p0 564.6 ± 0.4542
680
660
640
620
600
580
560
540
520
500



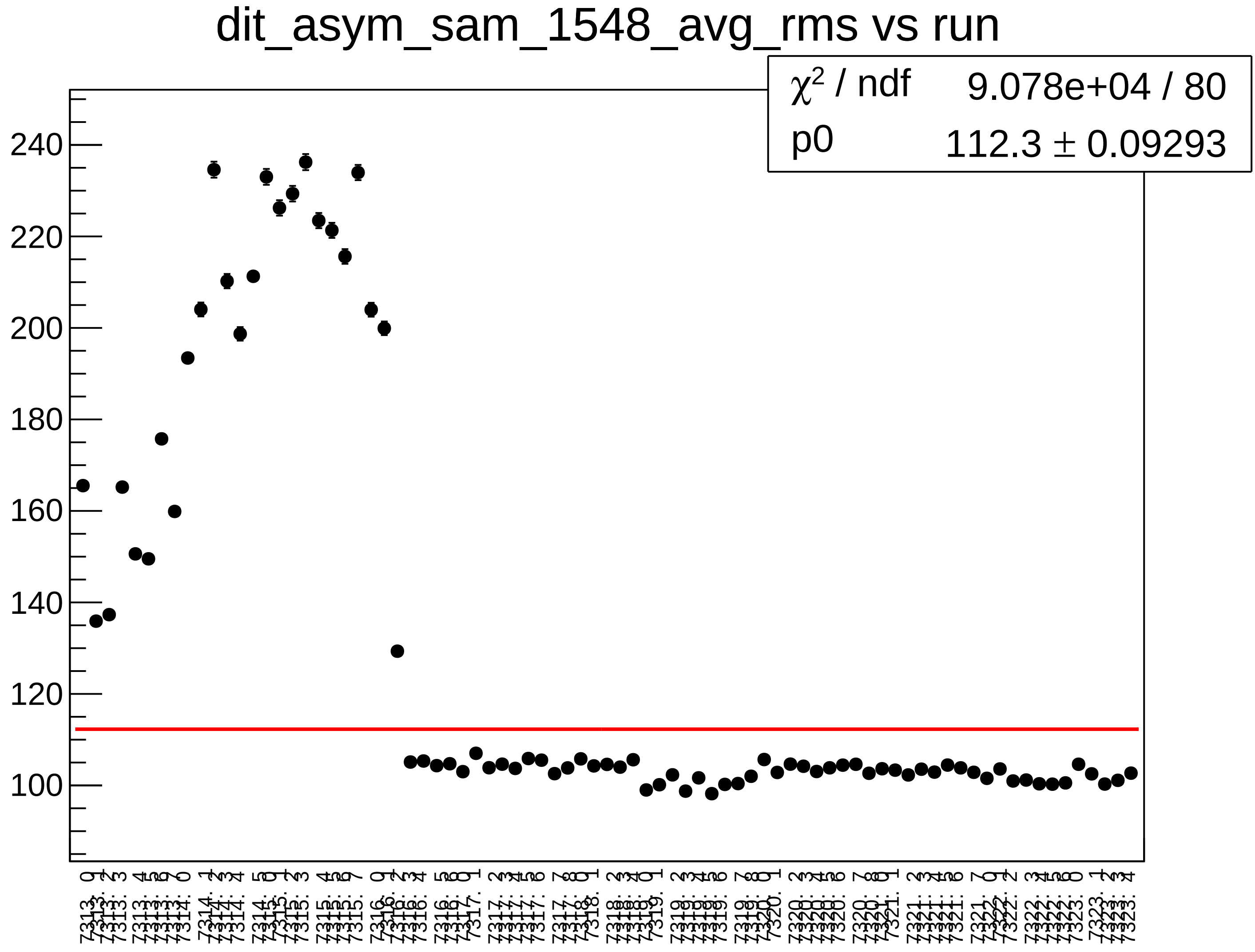
asym_sam_26_48_dd_mean vs run
χ^2 / ndf 61.84 / 80
p0 −115.1 ± 621.9
pull
Entries 81
Mean 142.7
Std Dev 90.81
pull1D
Entries 81
Mean 0.02746
Std Dev 0.8733



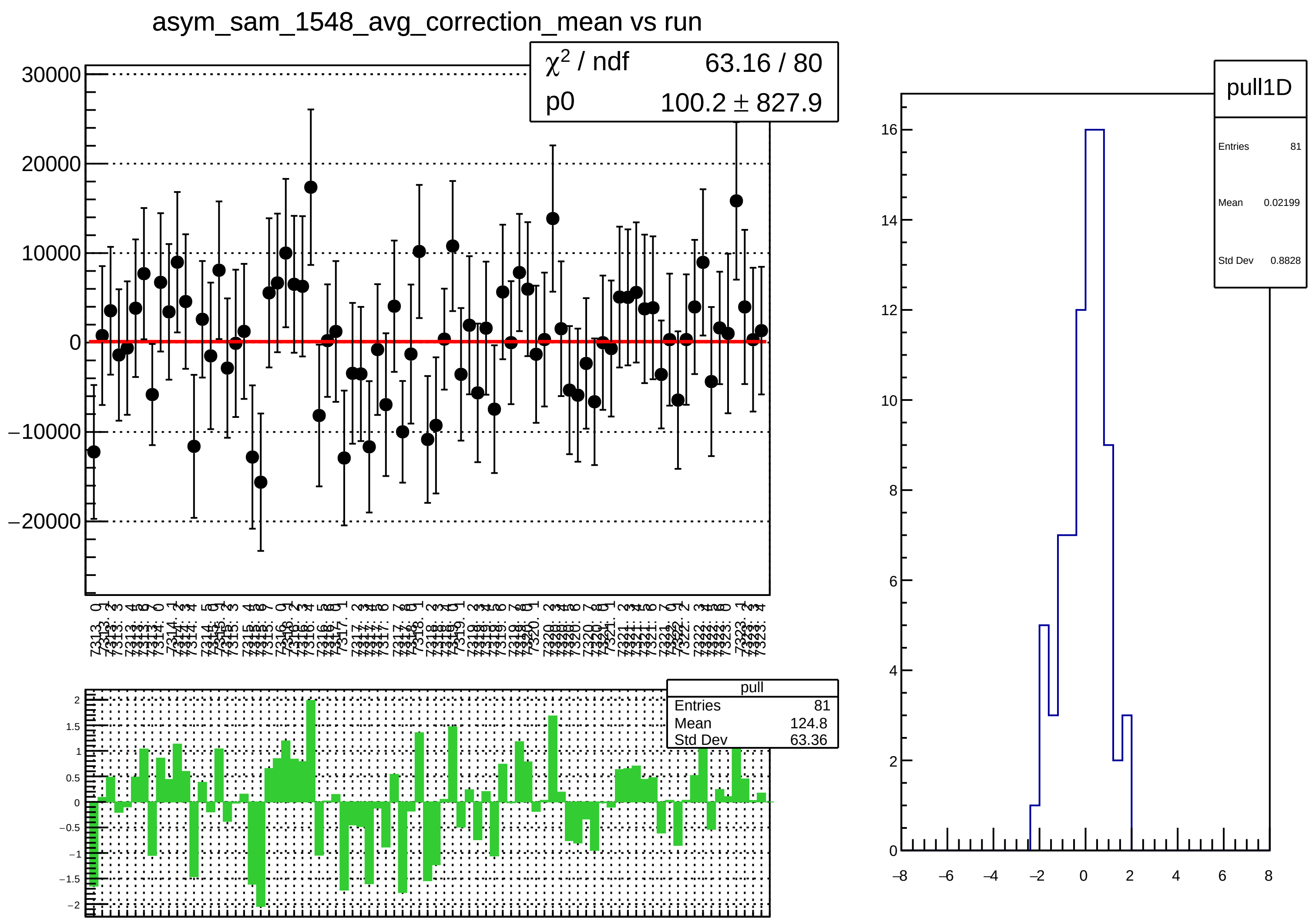
asym_sam_26_48_dd_rms vs run
χ2 / ndf 8065 / 80
p0 546.2 ± 0.4398
680
660
640
620
600
580
560
540
520
500
480



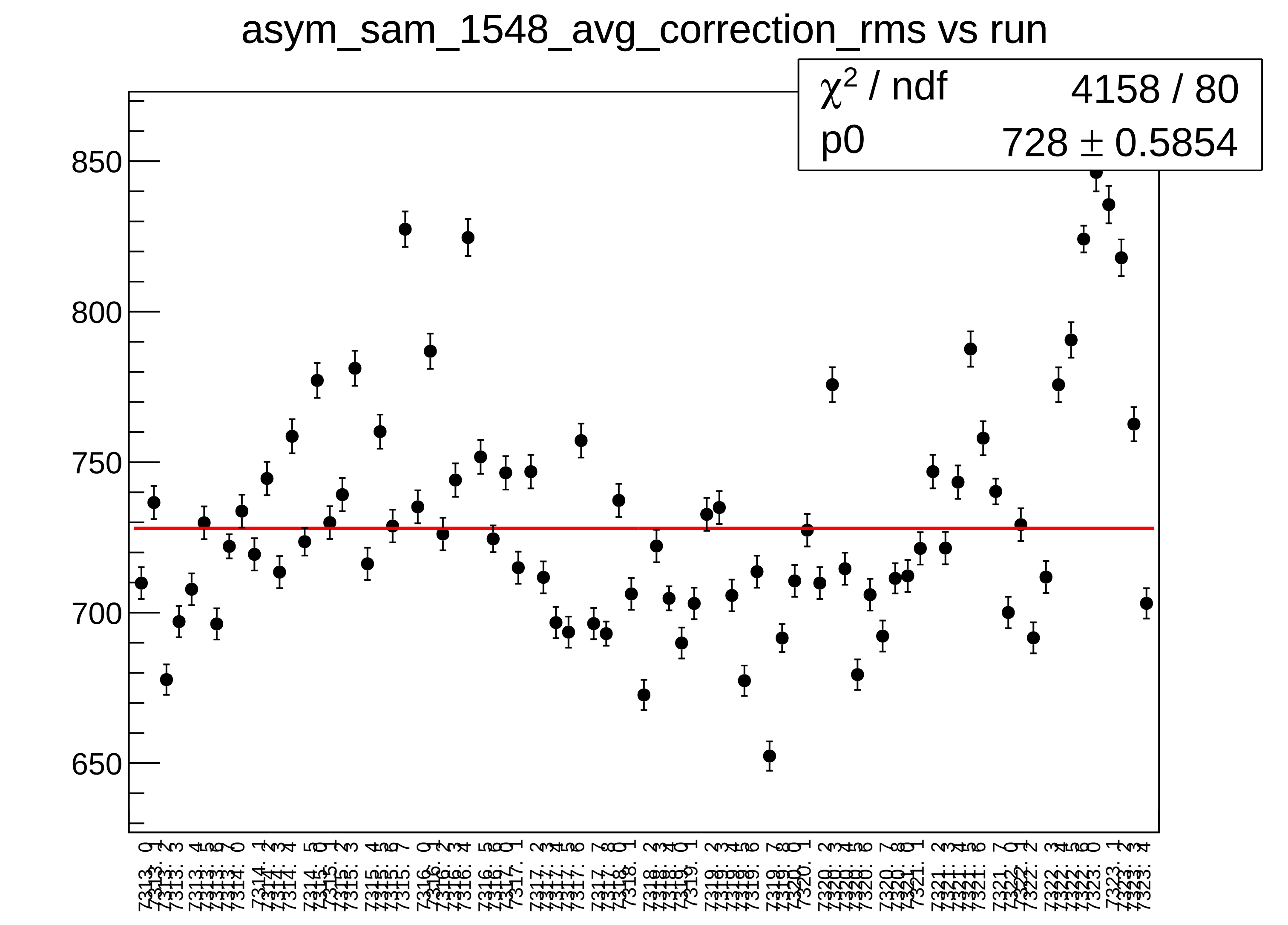
dit_asym_sam_1548_avg_mean vs run
χ2 / ndf 96.24 / 80
p0 135.9 ± 131.4
pull
Entries 81
Mean 5.725
Std Dev 38.09
pull1D
Entries 81
Mean 0.0307
Std Dev 1.09



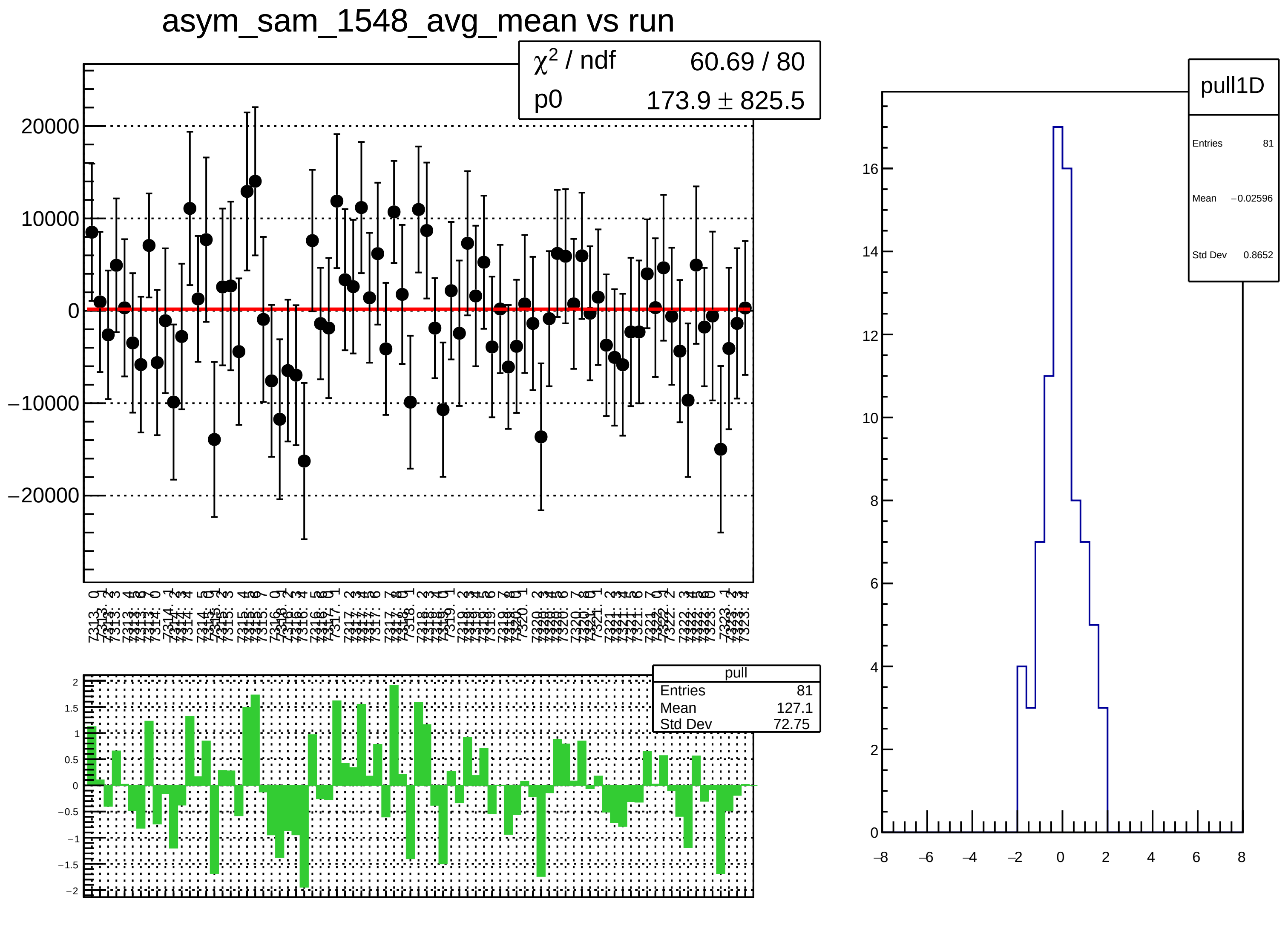
dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 9.078e+04 / 80
p0 112.3 ± 0.09293
240
220
200
180
160
140
120
100



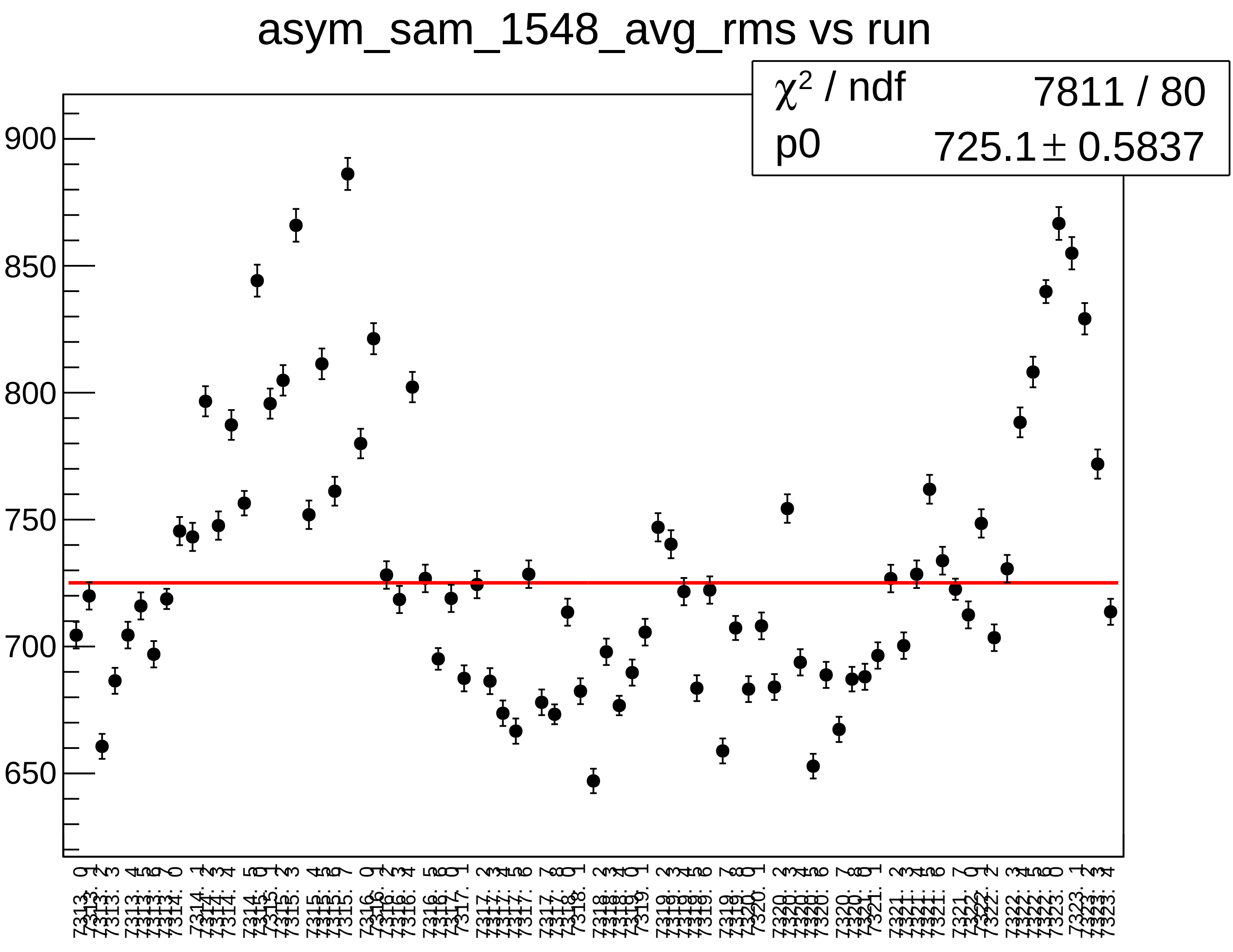
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 63.16 / 80
p0 100.2 ± 827.9
pull
Entries 81
Mean 124.8
Std Dev 63.36
pull1D
Entries 81
Mean 0.02199
Std Dev 0.8828



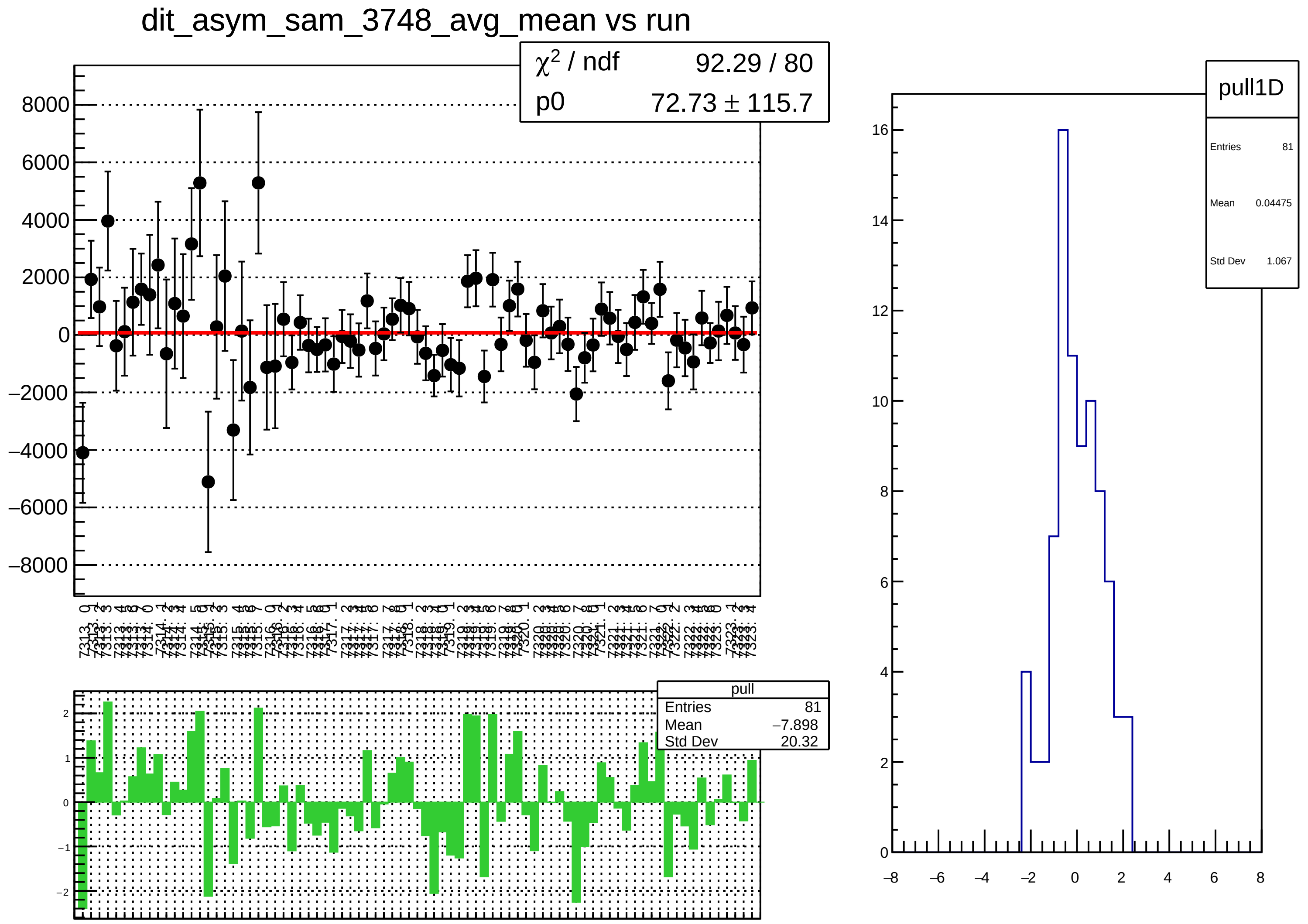
asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 4158 / 80
p0 728 ± 0.5854
850
800
750
700
650

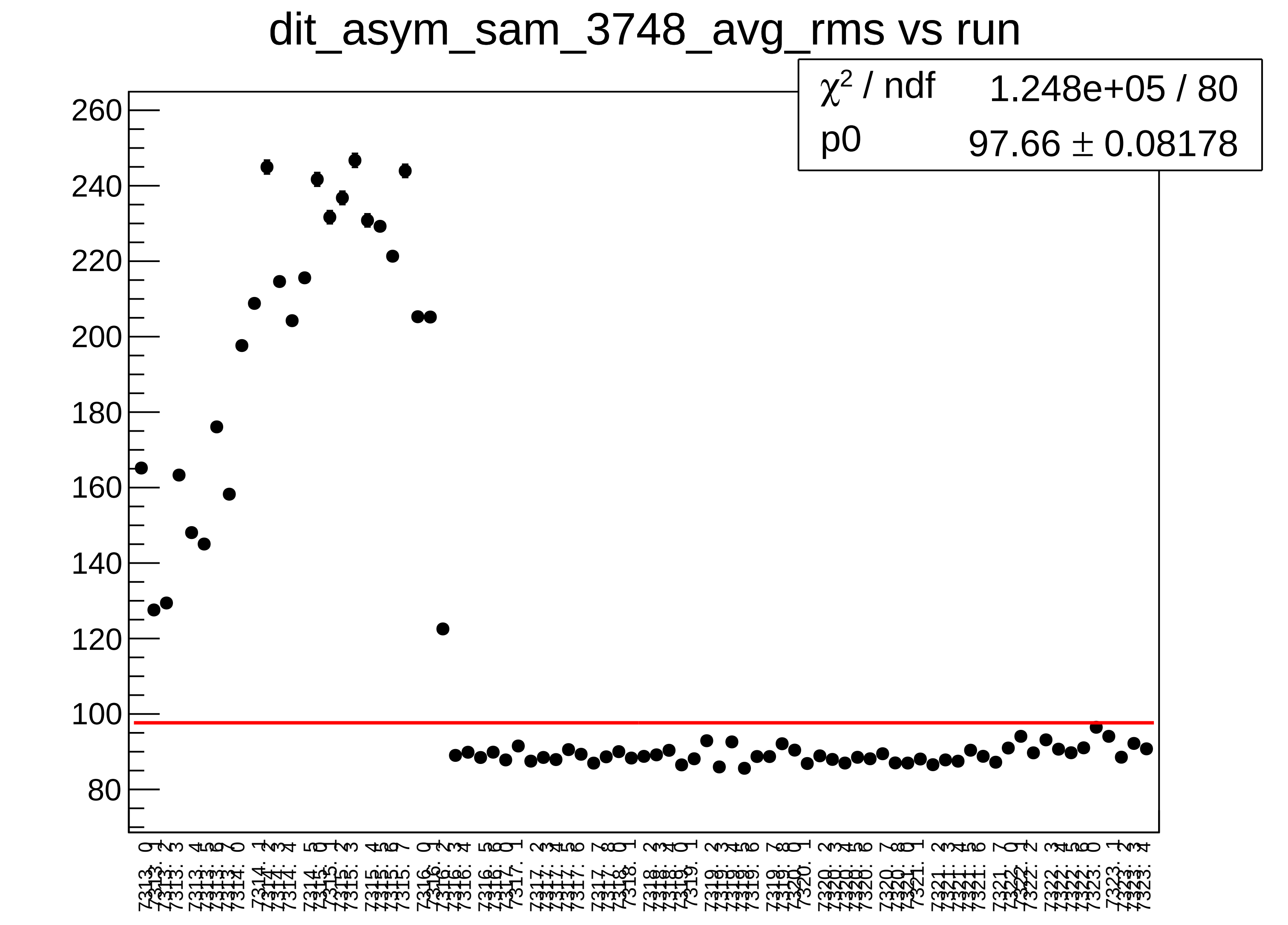


asym_sam_1548_avg_mean vs run
χ² / ndf 60.69 / 80
p0 173.9 ± 825.5
pull
Entries 81
Mean 127.1
Std Dev 72.75
pull1D
Entries 81
Mean −0.02596
Std Dev 0.8652

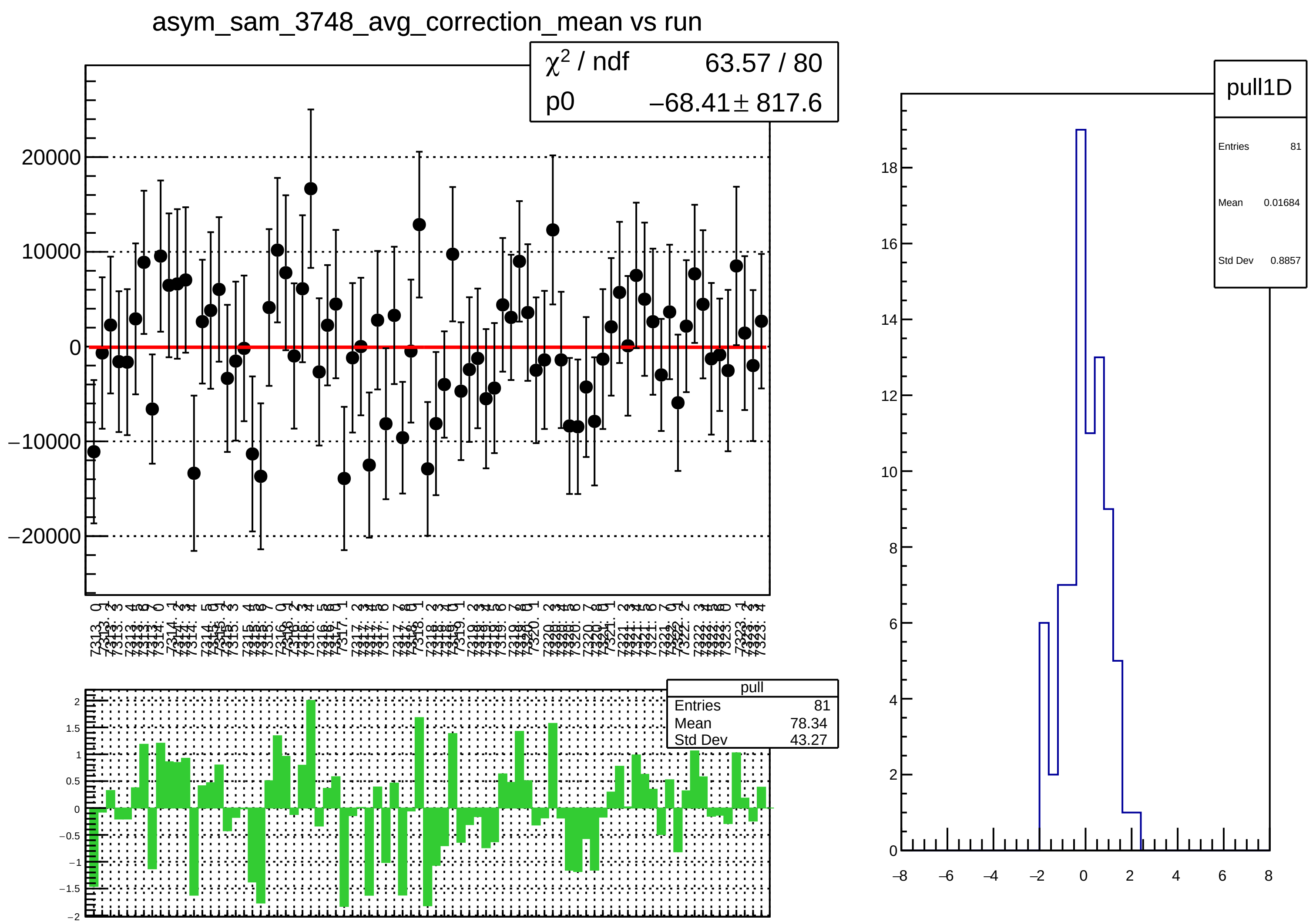


asym_sam_1548_avg_rms vs run
χ^2 / ndf 7811 / 80
p0 725.1 ± 0.5837
900
850
800
750
700
650

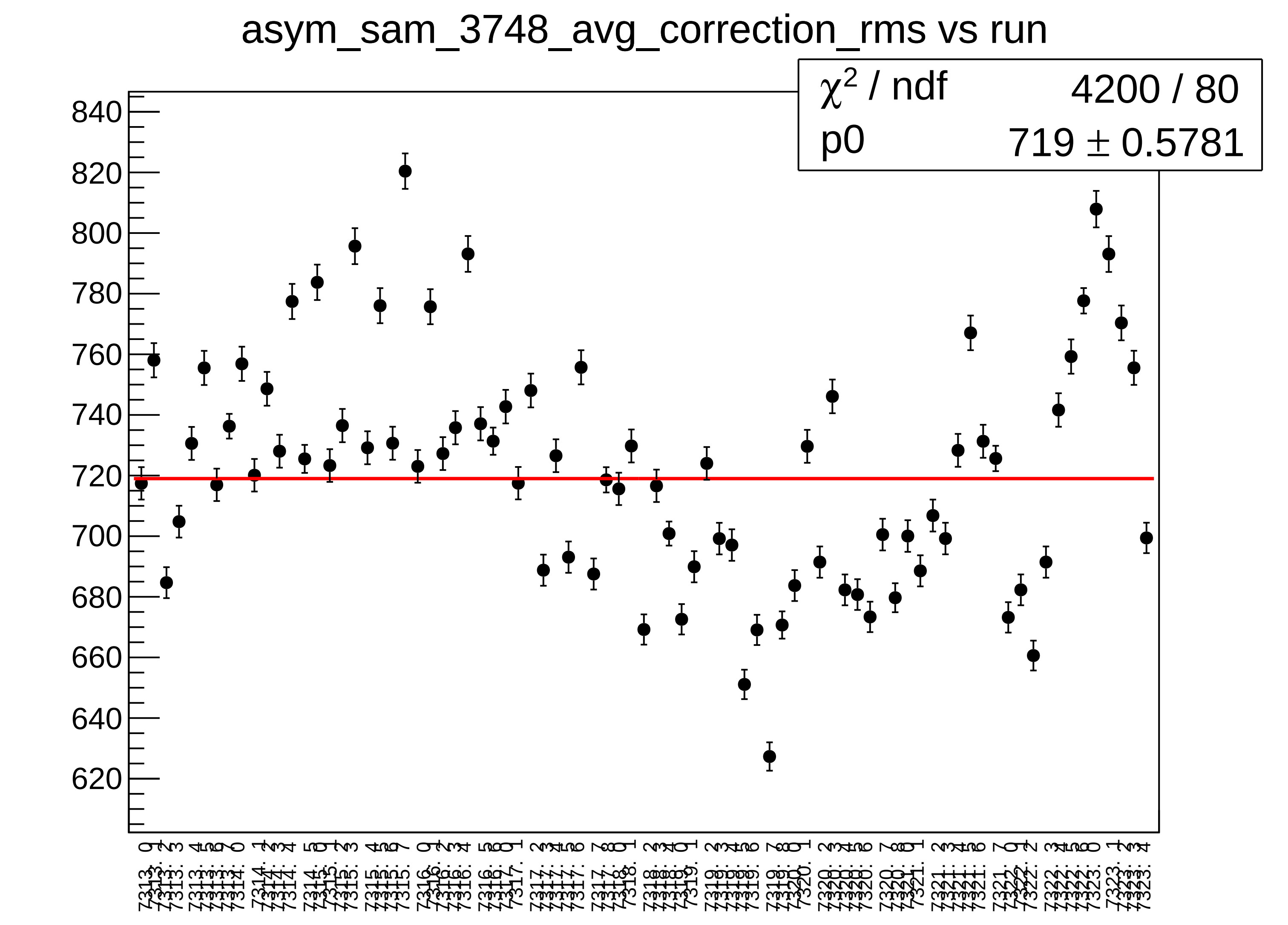

dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 92.29 / 80
p0 72.73 ± 115.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 81
Mean −7.898
Std Dev 20.32
pull1D
Entries 81
Mean 0.04475
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



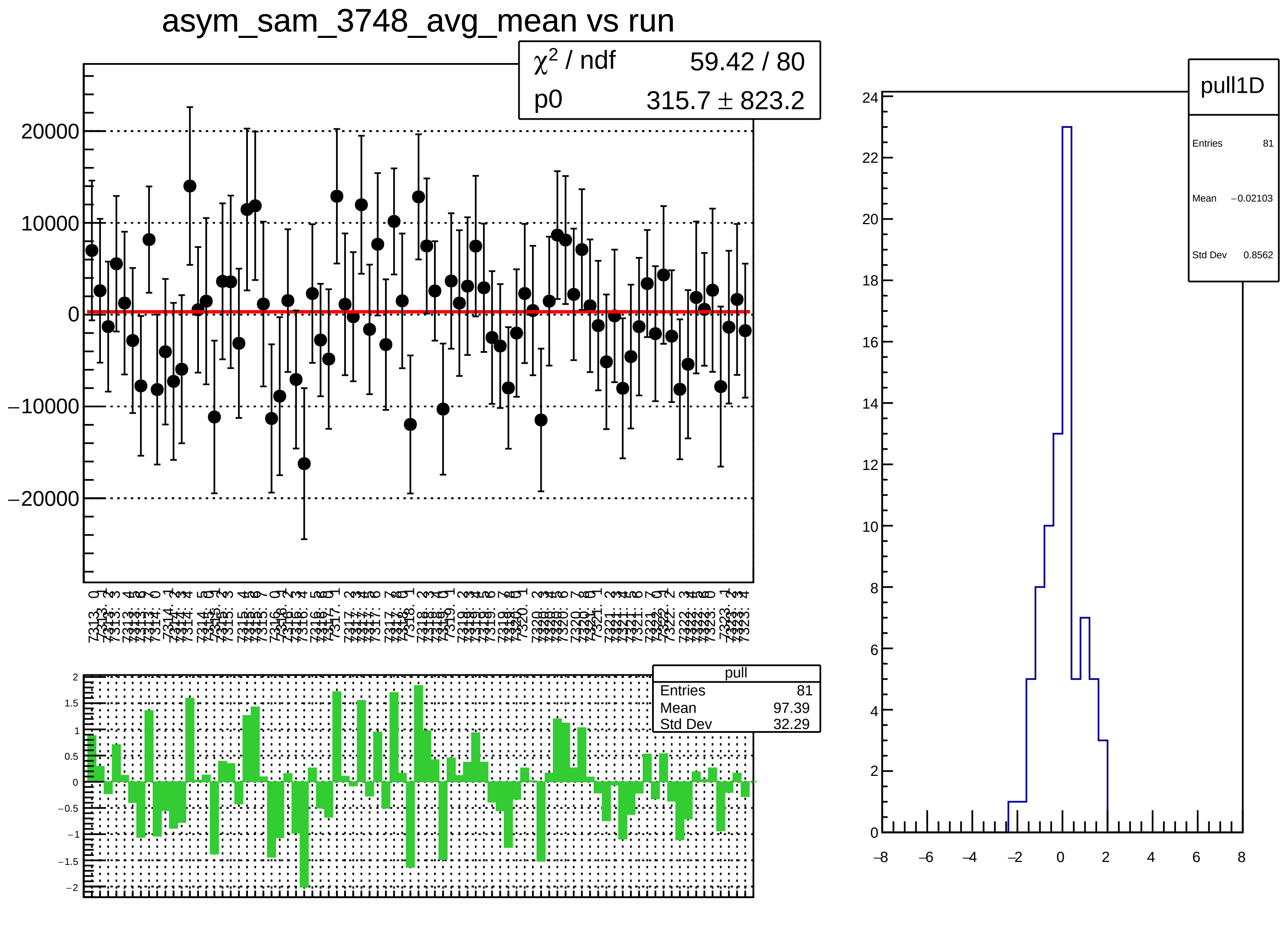
dit_asym_sam_3748_avg_rms vs run
χ2 / ndf 1.248e+05 / 80
p0 97.66 ± 0.08178



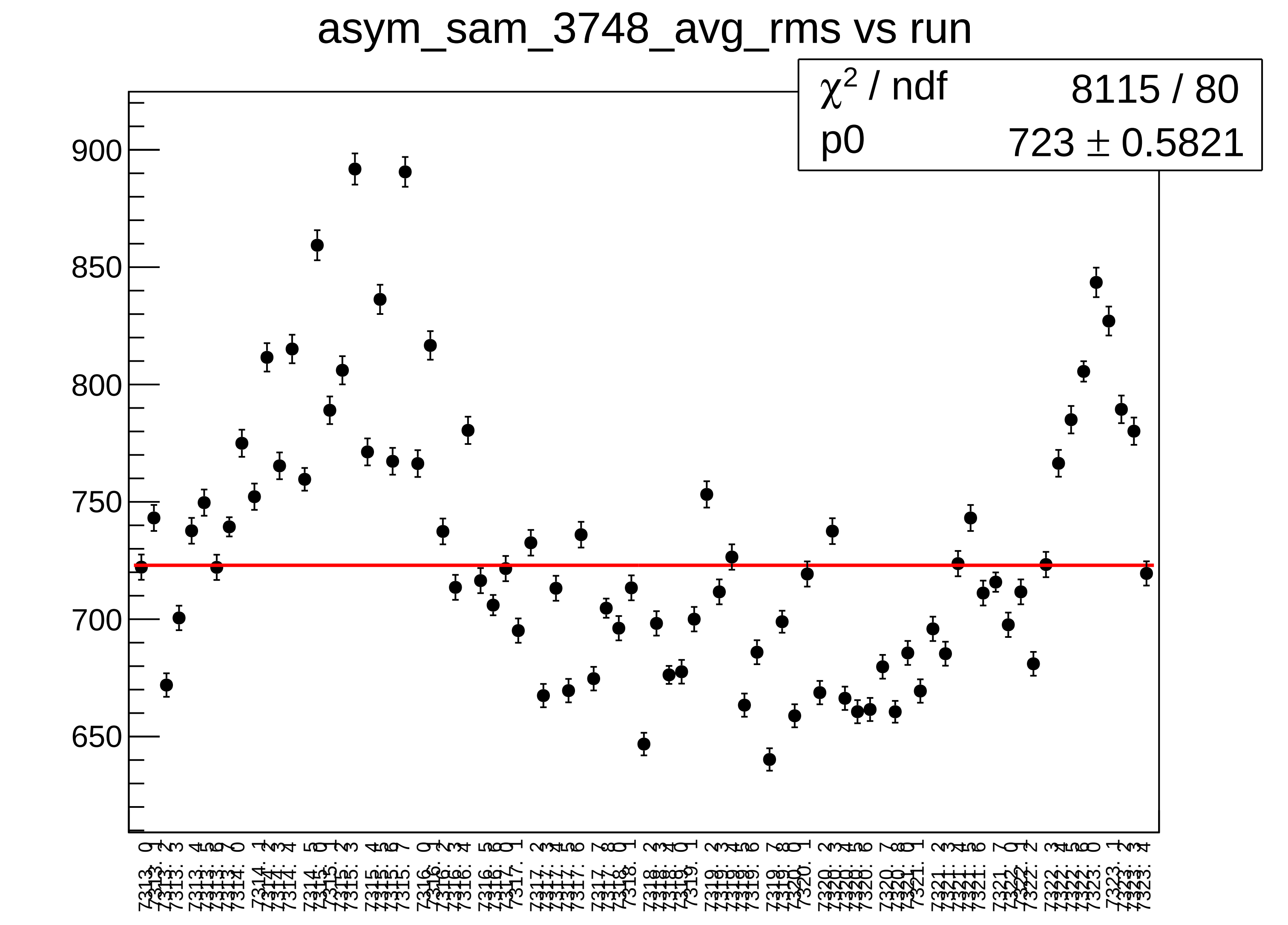
asym_sam_3748_avg_correction_mean vs run
χ2 / ndf 63.57 / 80
p0 −68.41 ± 817.6
pull
Entries 81
Mean 78.34
Std Dev 43.27
pull1D
Entries 81
Mean 0.01684
Std Dev 0.8857



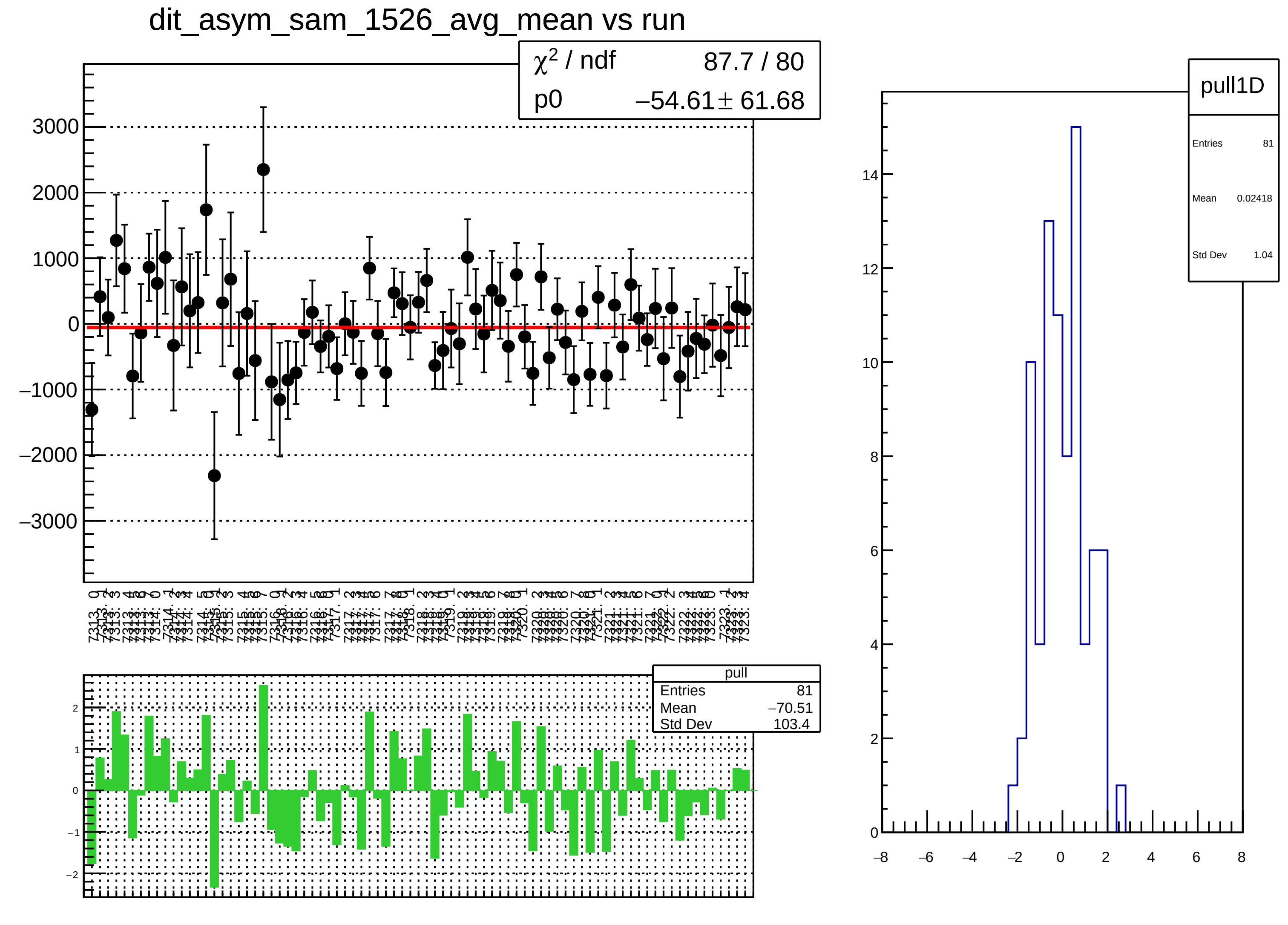
asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 4200 / 80
p0 719 ± 0.5781
840
820
800
780
760
740
720
700
680
660
640
620

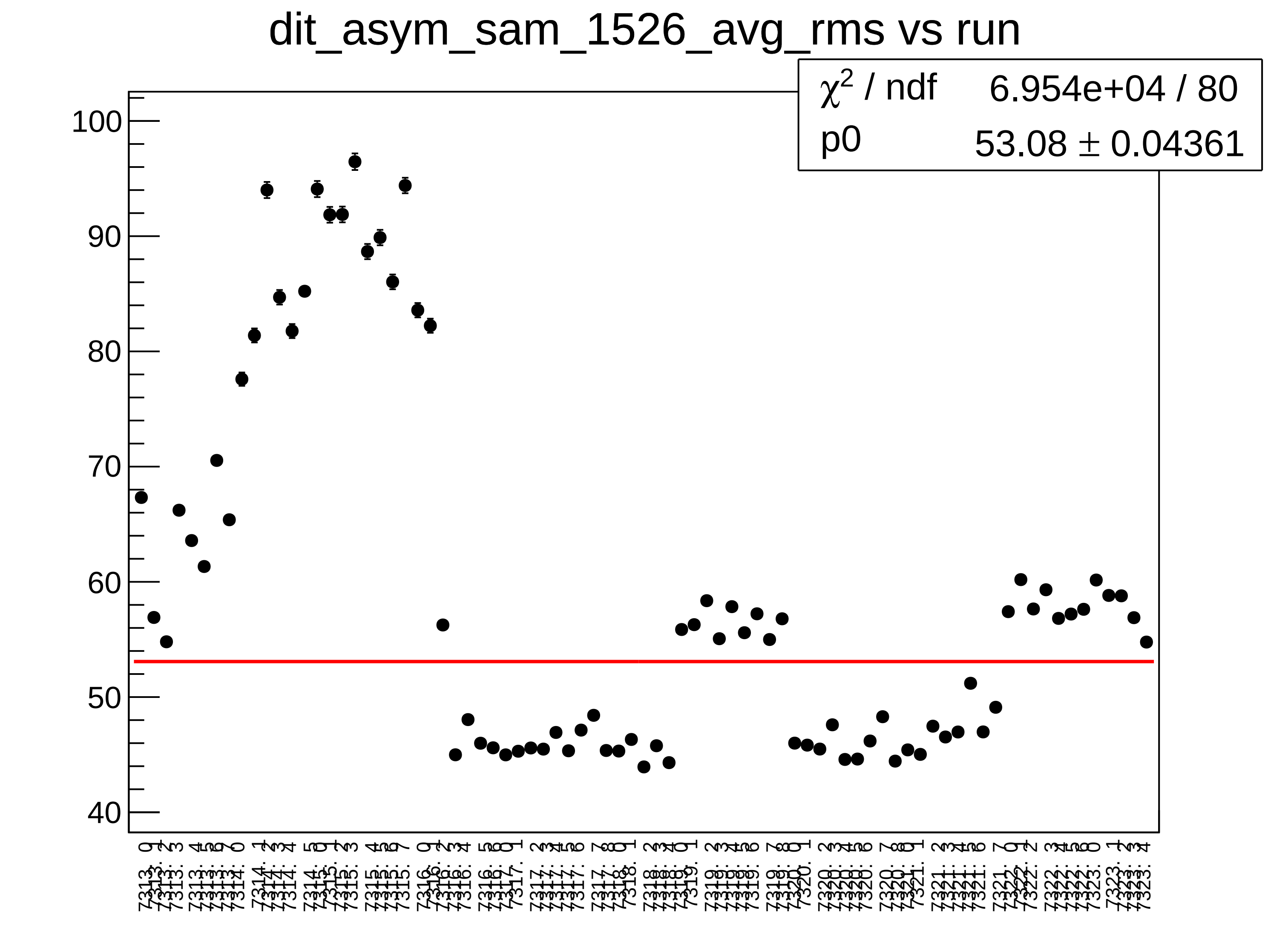


asym_sam_3748_avg_mean vs run
χ2 / ndf 59.42 / 80
p0 315.7 ± 823.2
pull
Entries 81
Mean 97.39
Std Dev 32.29
pull1D
Entries 81
Mean −0.02103
Std Dev 0.8562

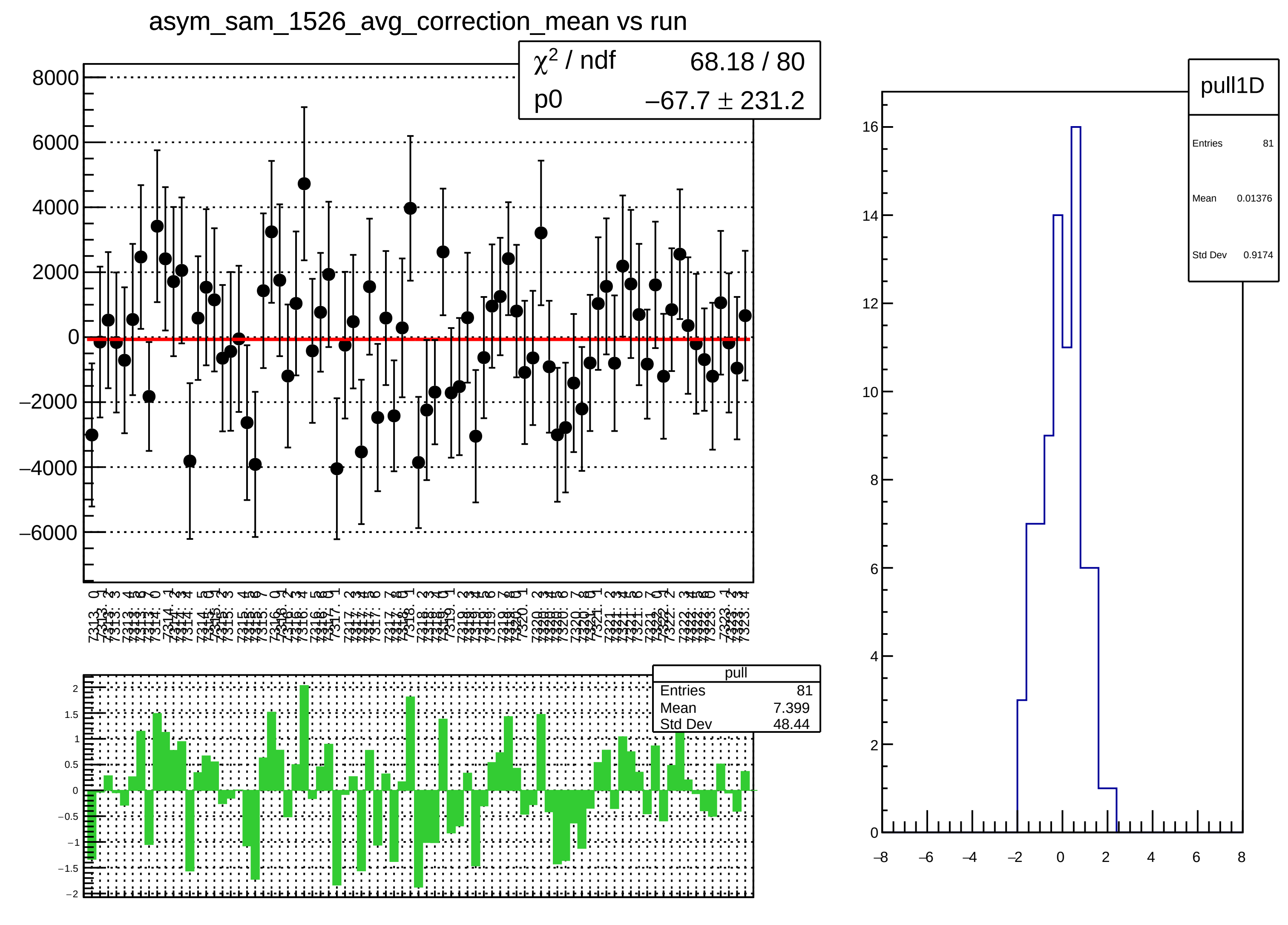


asym_sam_3748_avg_rms vs run
χ^2 / ndf 8115 / 80
p0 723 ± 0.5821

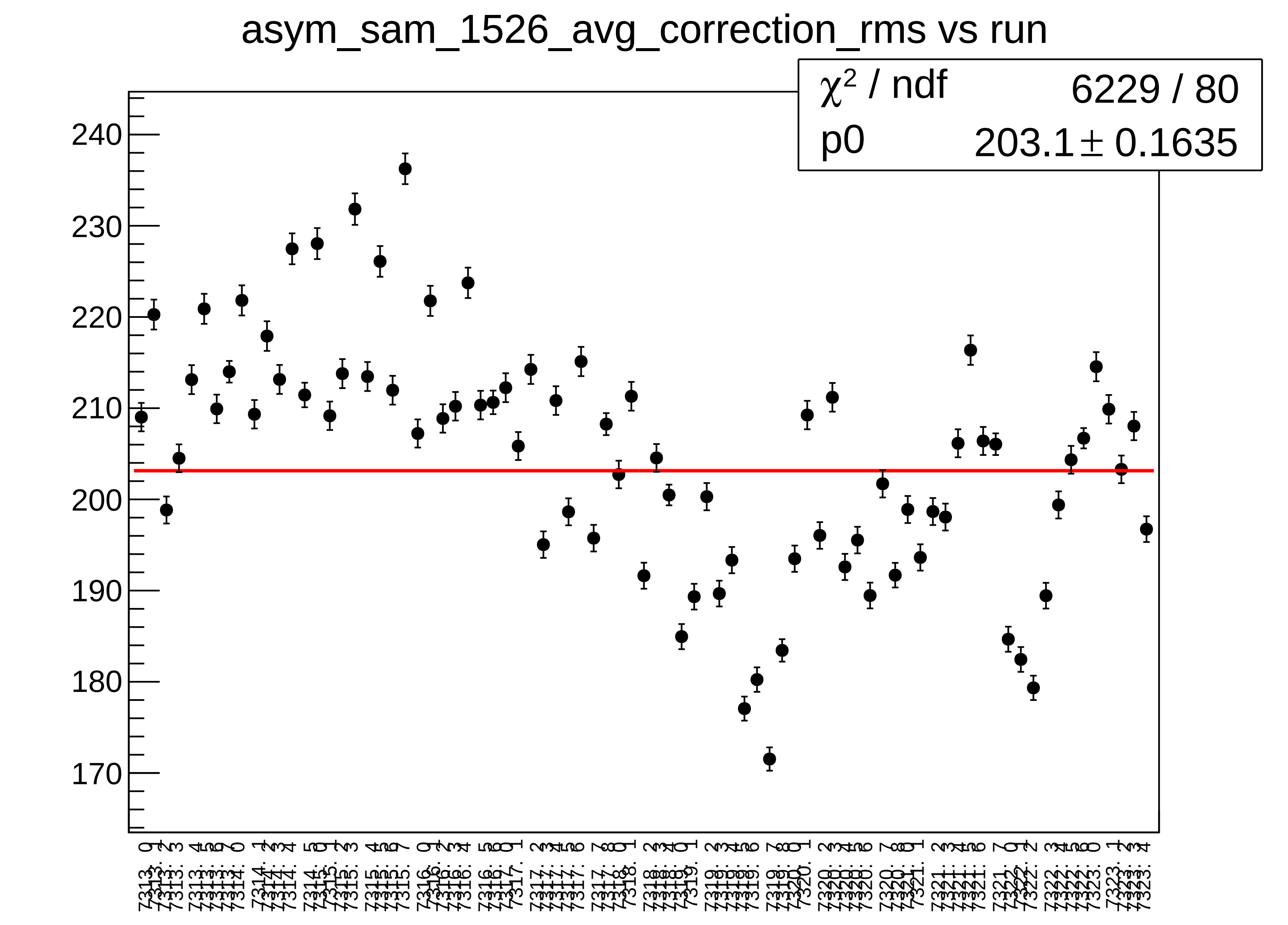

dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 87.7 / 80
p0 −54.61 ± 61.68
pull
Entries 81
Mean −70.51
Std Dev 103.4
pull1D
Entries 81
Mean 0.02418
Std Dev 1.04



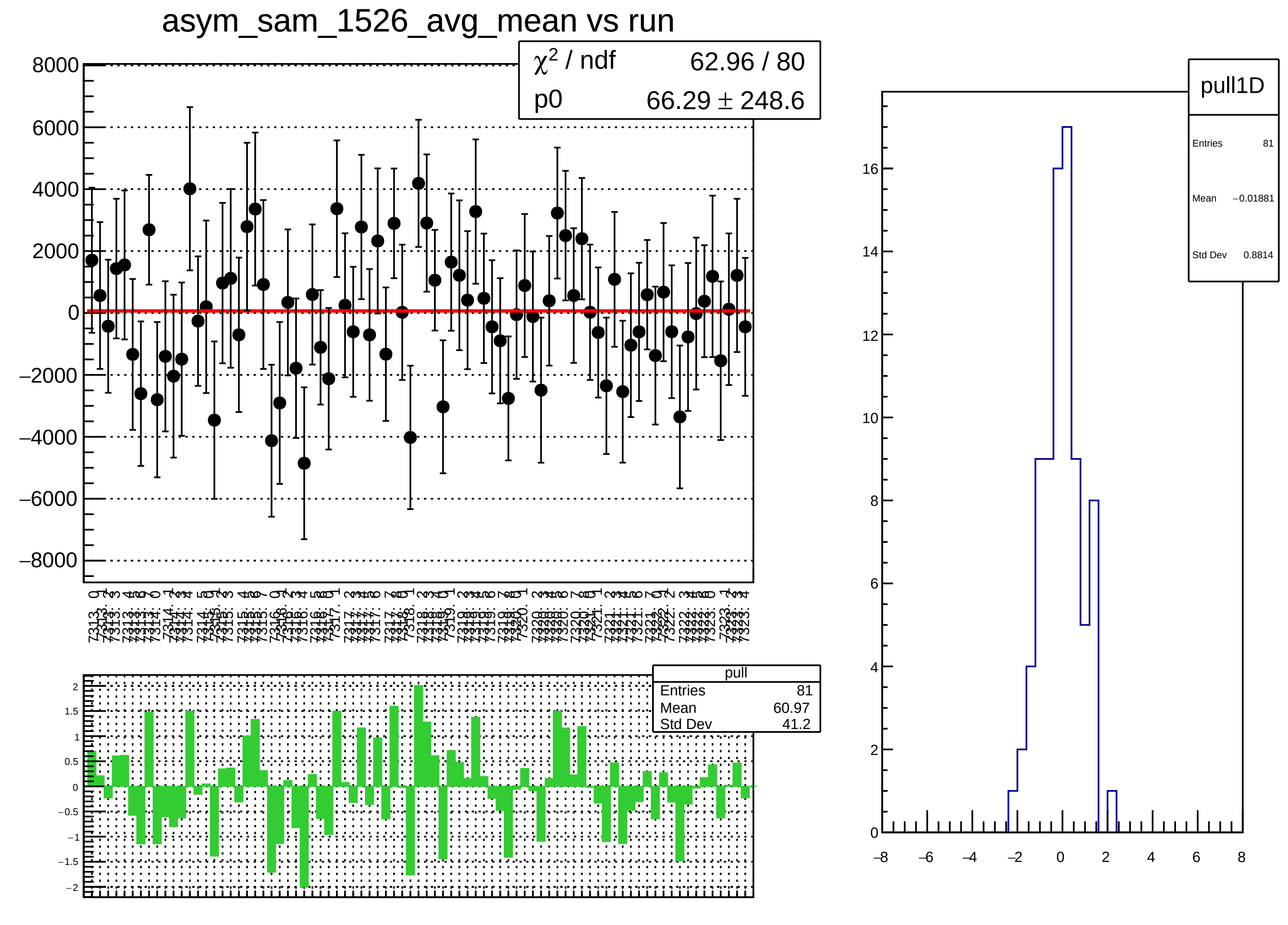
dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 6.954e+04 / 80
p0 53.08 ± 0.04361
100
90
80
70
60
50
40



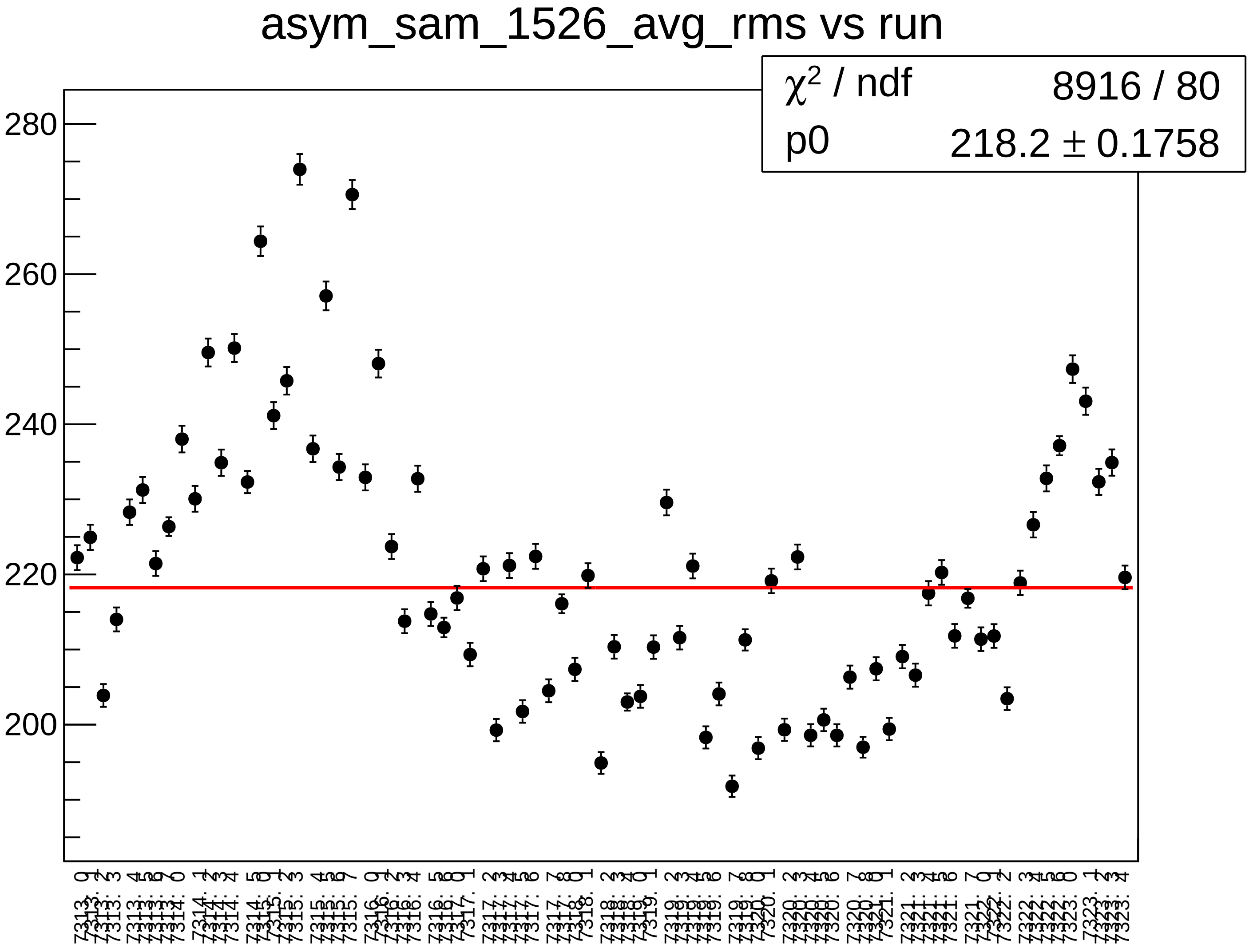
asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 68.18 / 80
p0 −67.7 ± 231.2
pull
Entries 81
Mean 7.399
Std Dev 48.44
pull1D
Entries 81
Mean 0.01376
Std Dev 0.9174



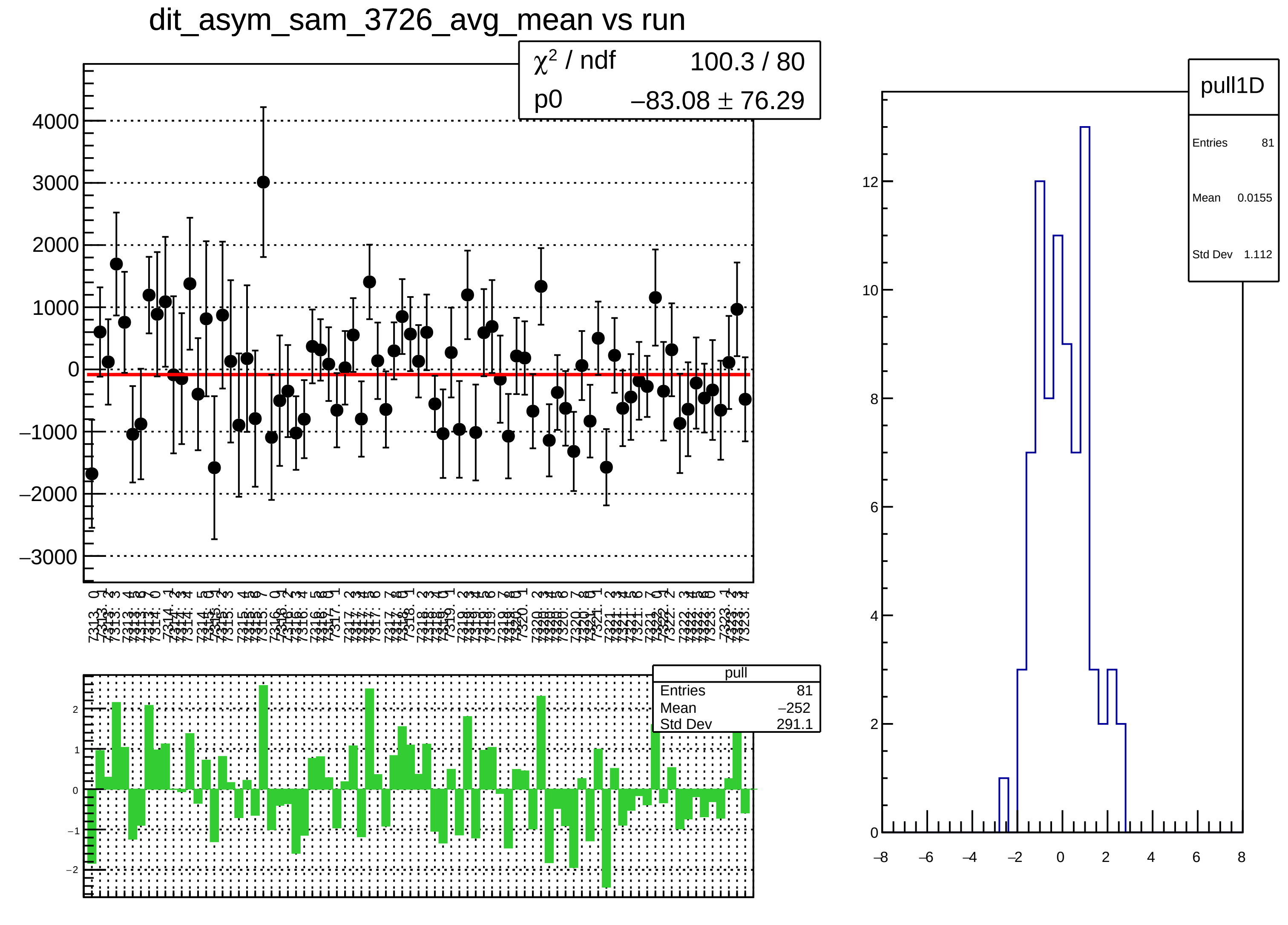
asym_sam_1526_avg_correction_rms vs run
χ2 / ndf 6229 / 80
p0 203.1 ± 0.1635
240
230
220
210
200
190
180
170



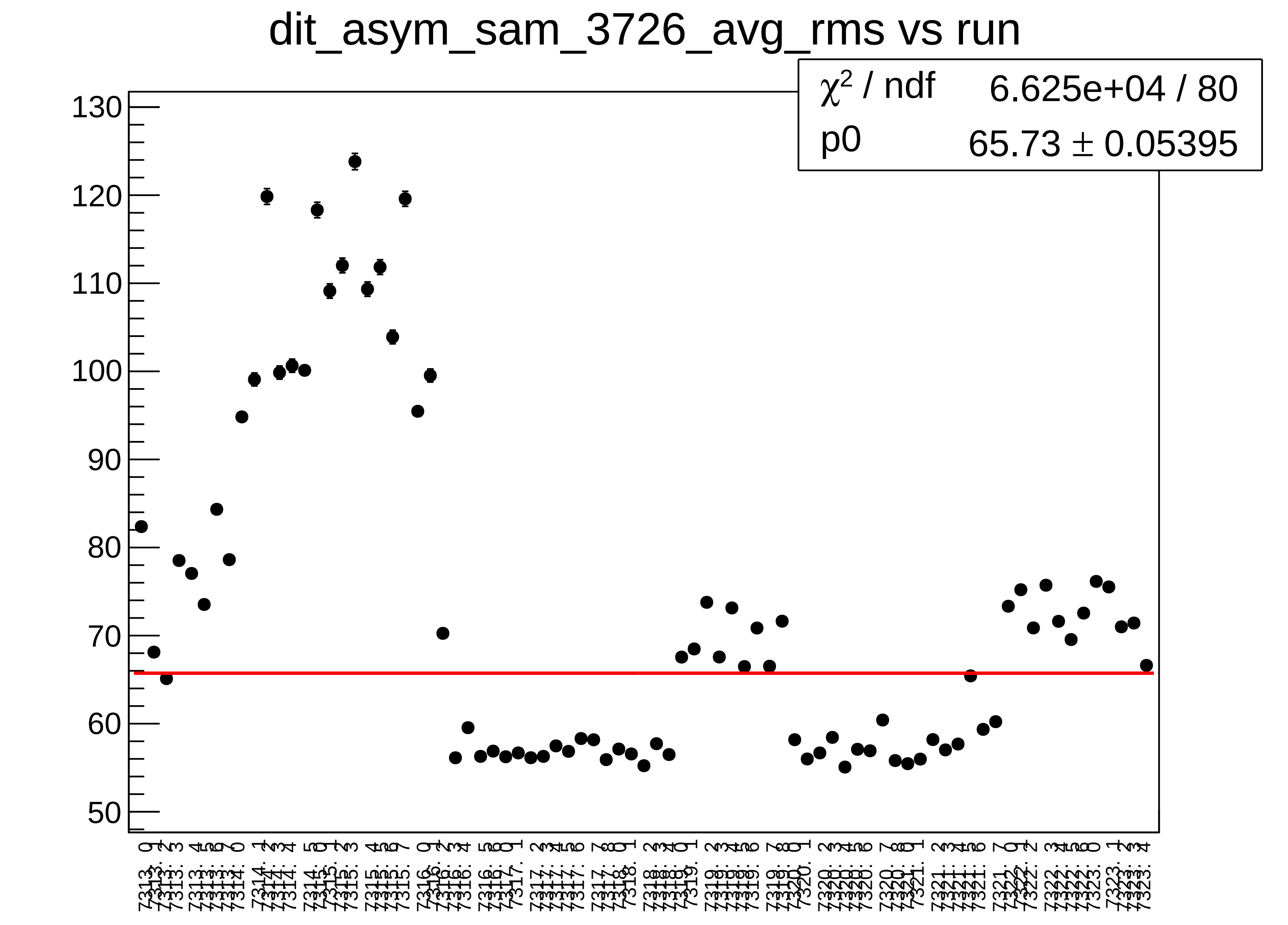
asym_sam_1526_avg_mean vs run
χ^2 / ndf 62.96 / 80
p0 66.29 ± 248.6
pull
Entries 81
Mean 60.97
Std Dev 41.2
pull1D
Entries 81
Mean −0.01881
Std Dev 0.8814

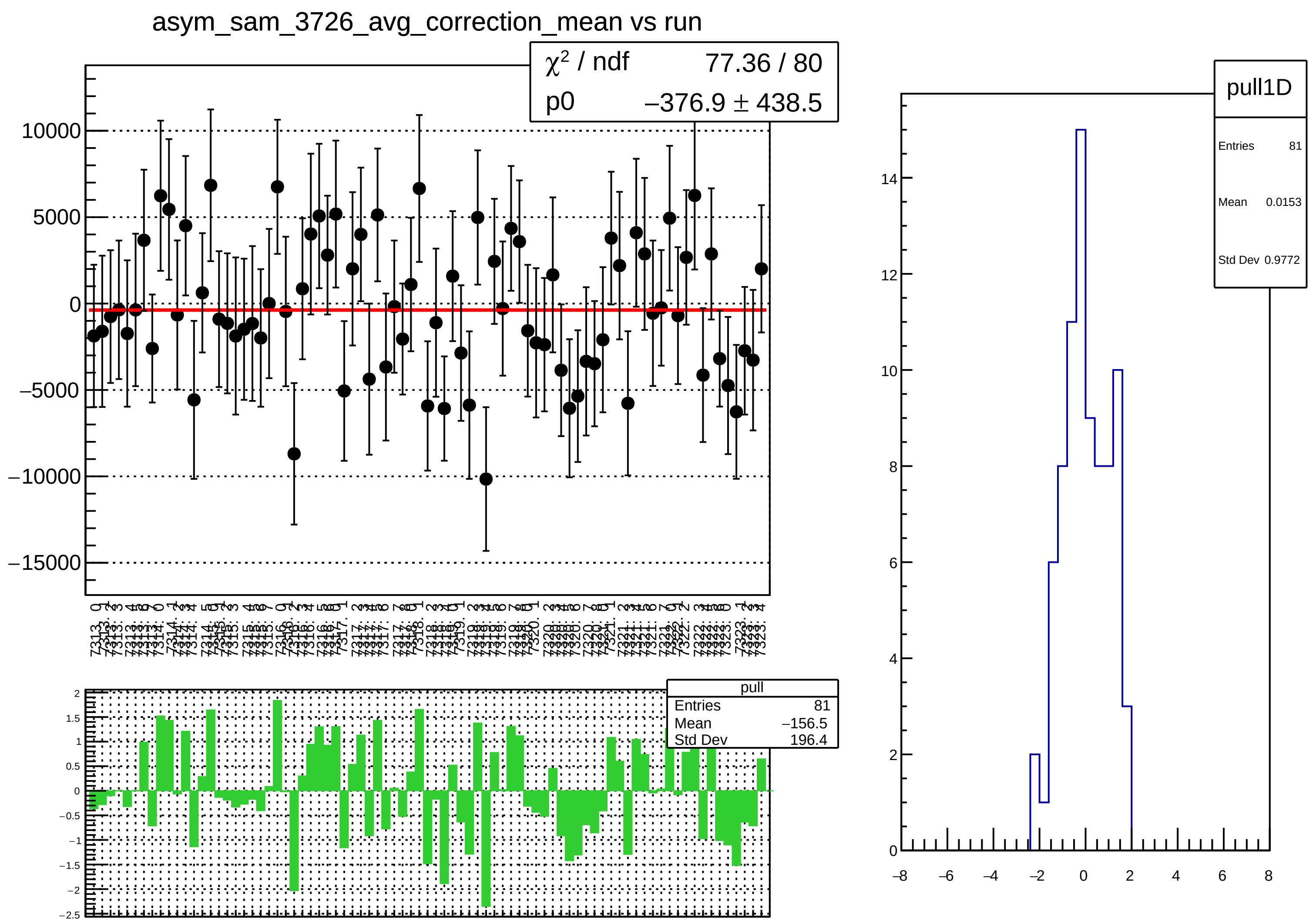


asym_sam_1526_avg_rms vs run
χ2 / ndf 8916 / 80
p0 218.2 ± 0.1758
280
260
240
220
200

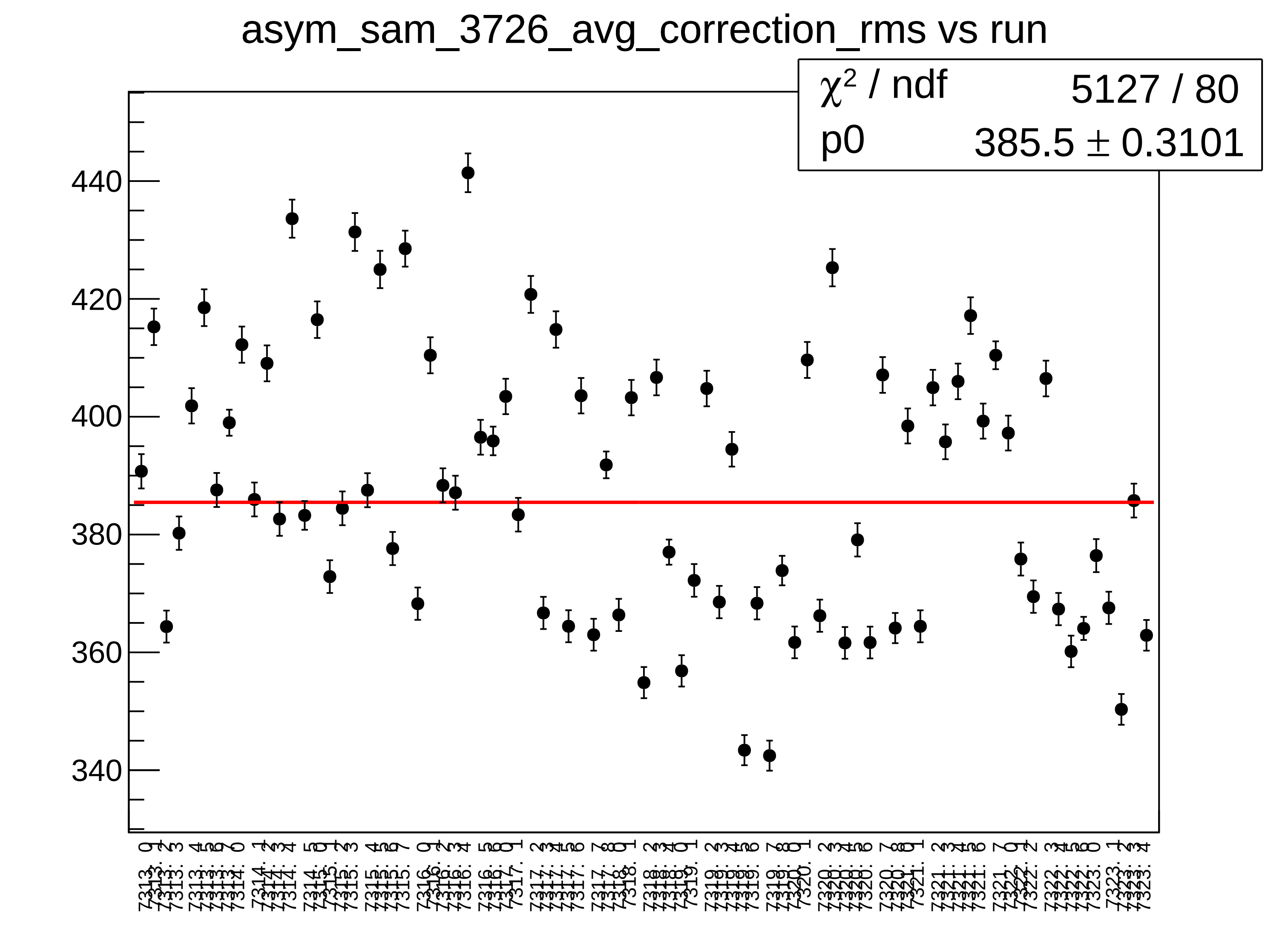


dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 100.3 / 80
p0 −83.08 ± 76.29
pull
Entries 81
Mean −252
Std Dev 291.1
pull1D
Entries 81
Mean 0.0155
Std Dev 1.112

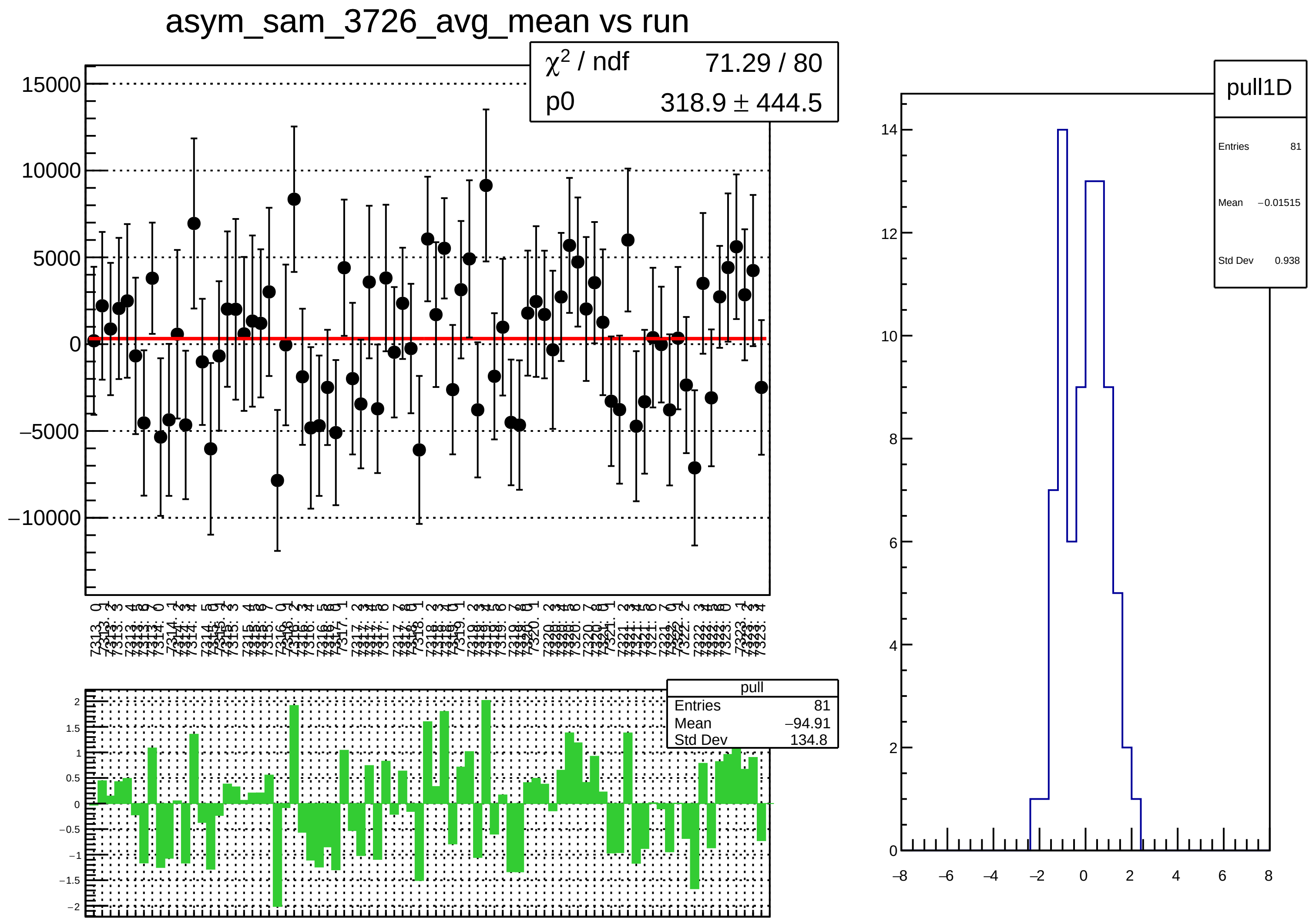

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 6.625e+04 / 80
p0 65.73 ± 0.05395
130
120
110
100
90
80
70
60
50



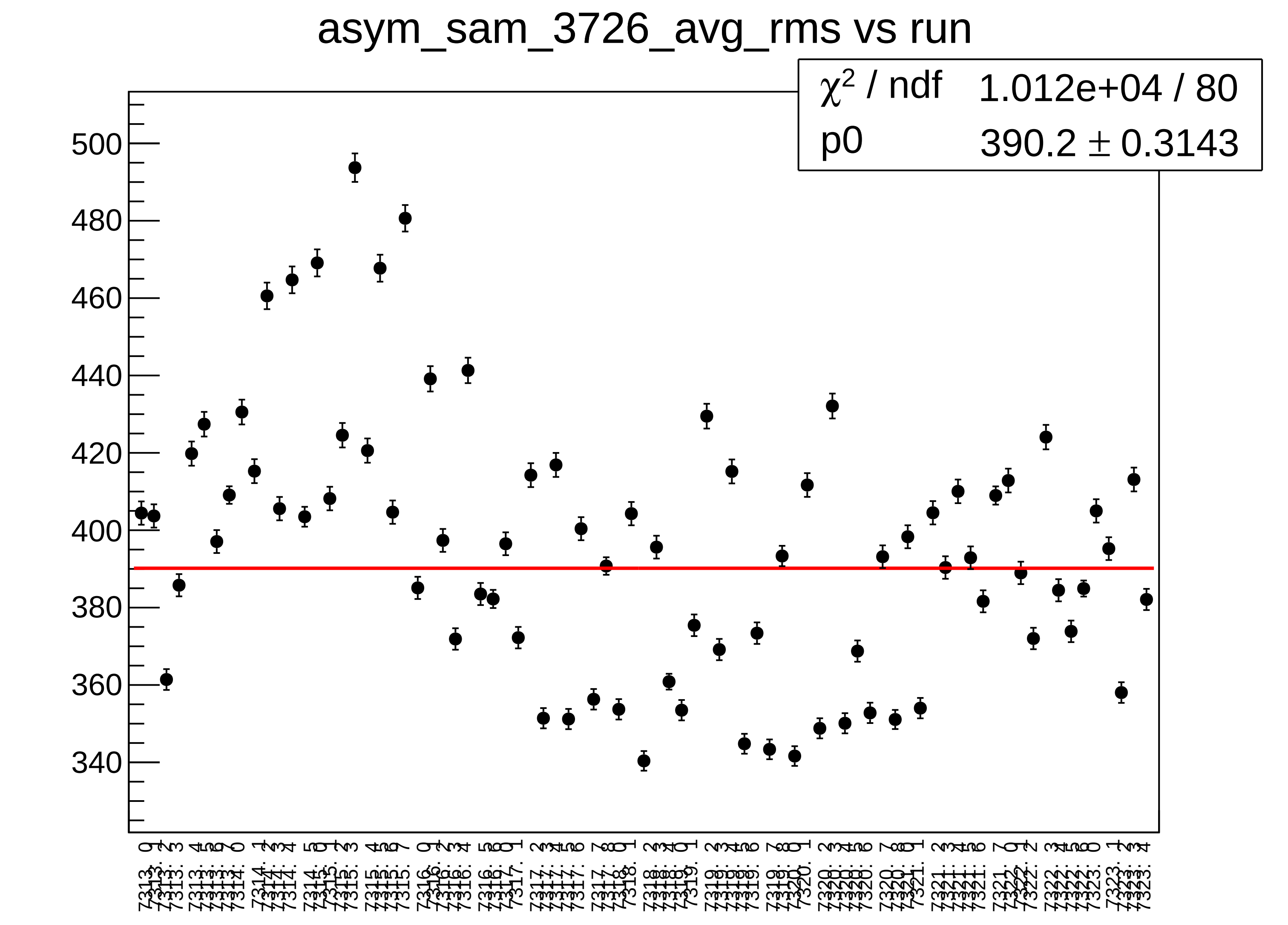
asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 77.36 / 80
p0 −376.9 ± 438.5
pull
Entries 81
Mean −156.5
Std Dev 196.4
pull1D
Entries 81
Mean 0.0153
Std Dev 0.9772



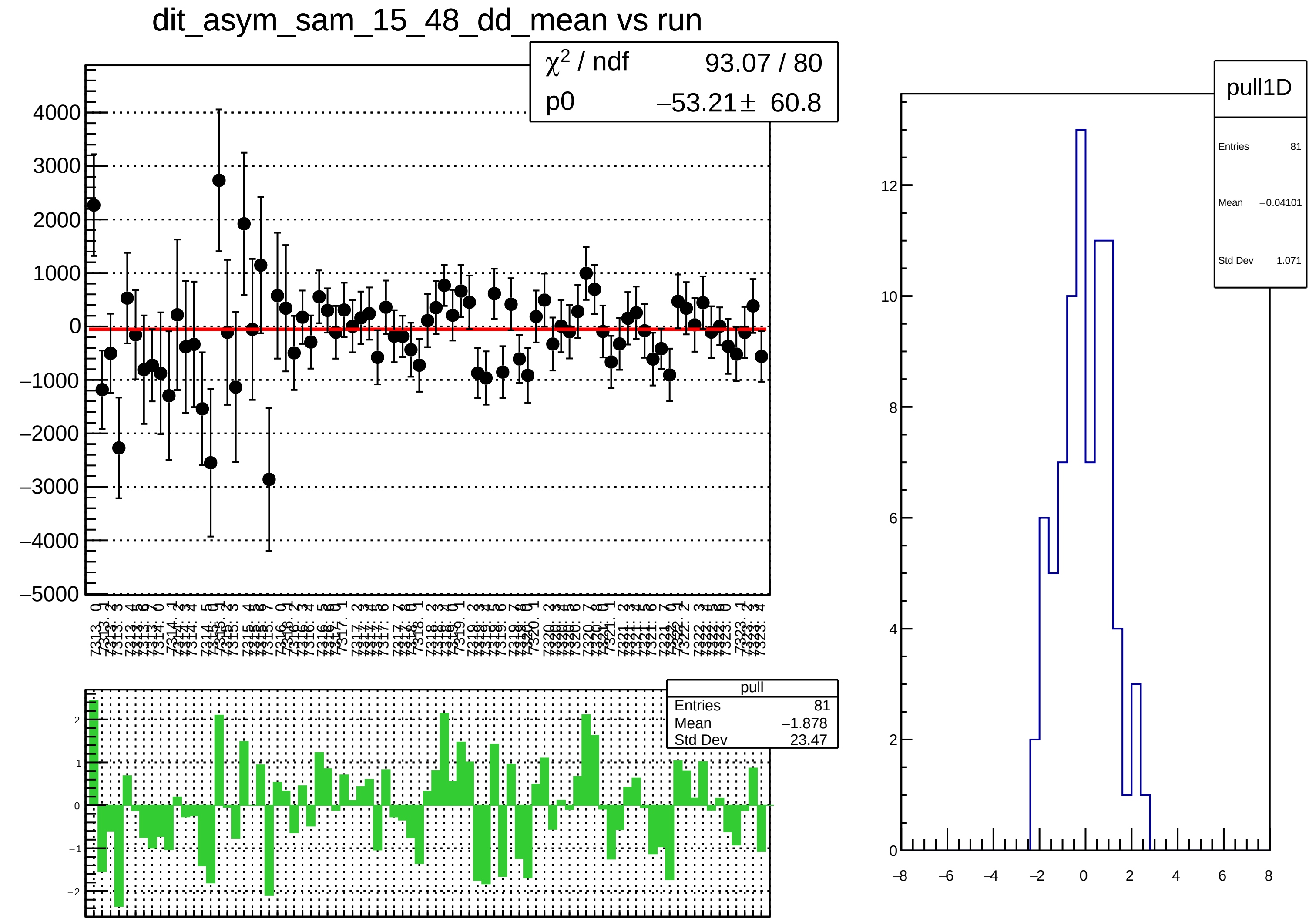
asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 5127 / 80
p0 385.5 ± 0.3101
440
420
400
380
360
340



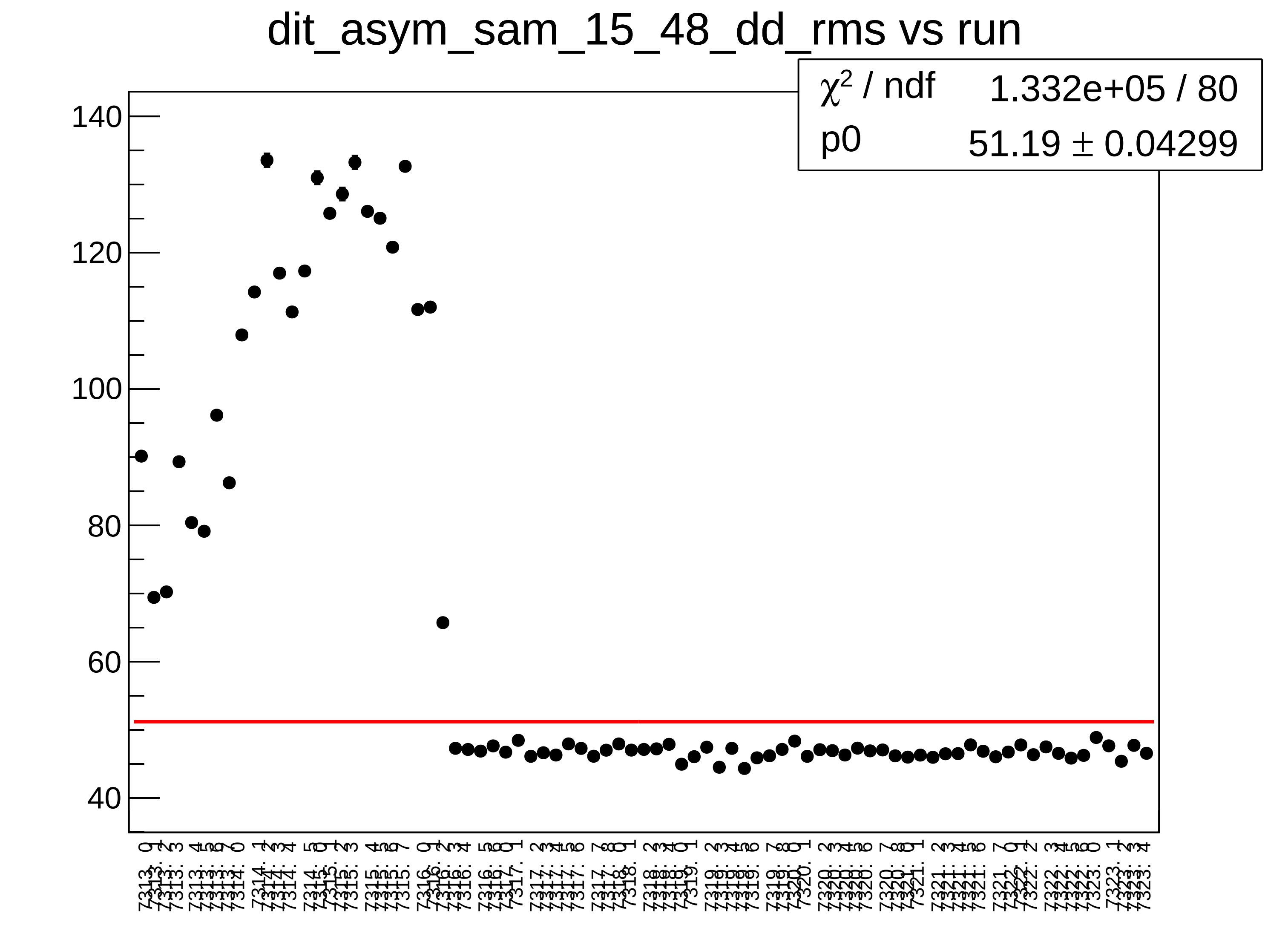
asym_sam_3726_avg_mean vs run
χ2 / ndf 71.29 / 80
p0 318.9 ± 444.5
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −94.91
Std Dev 134.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.01515
Std Dev 0.938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

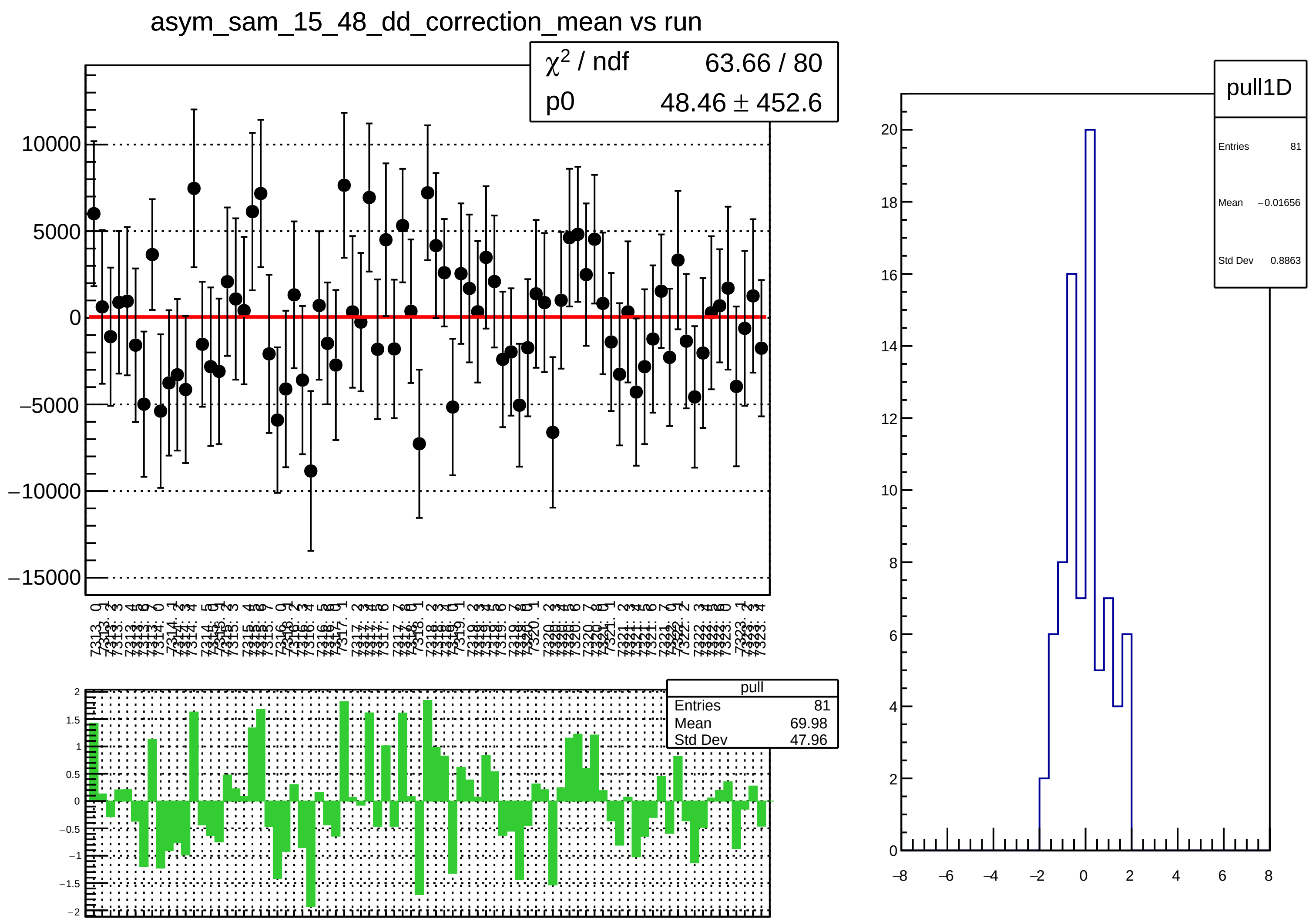


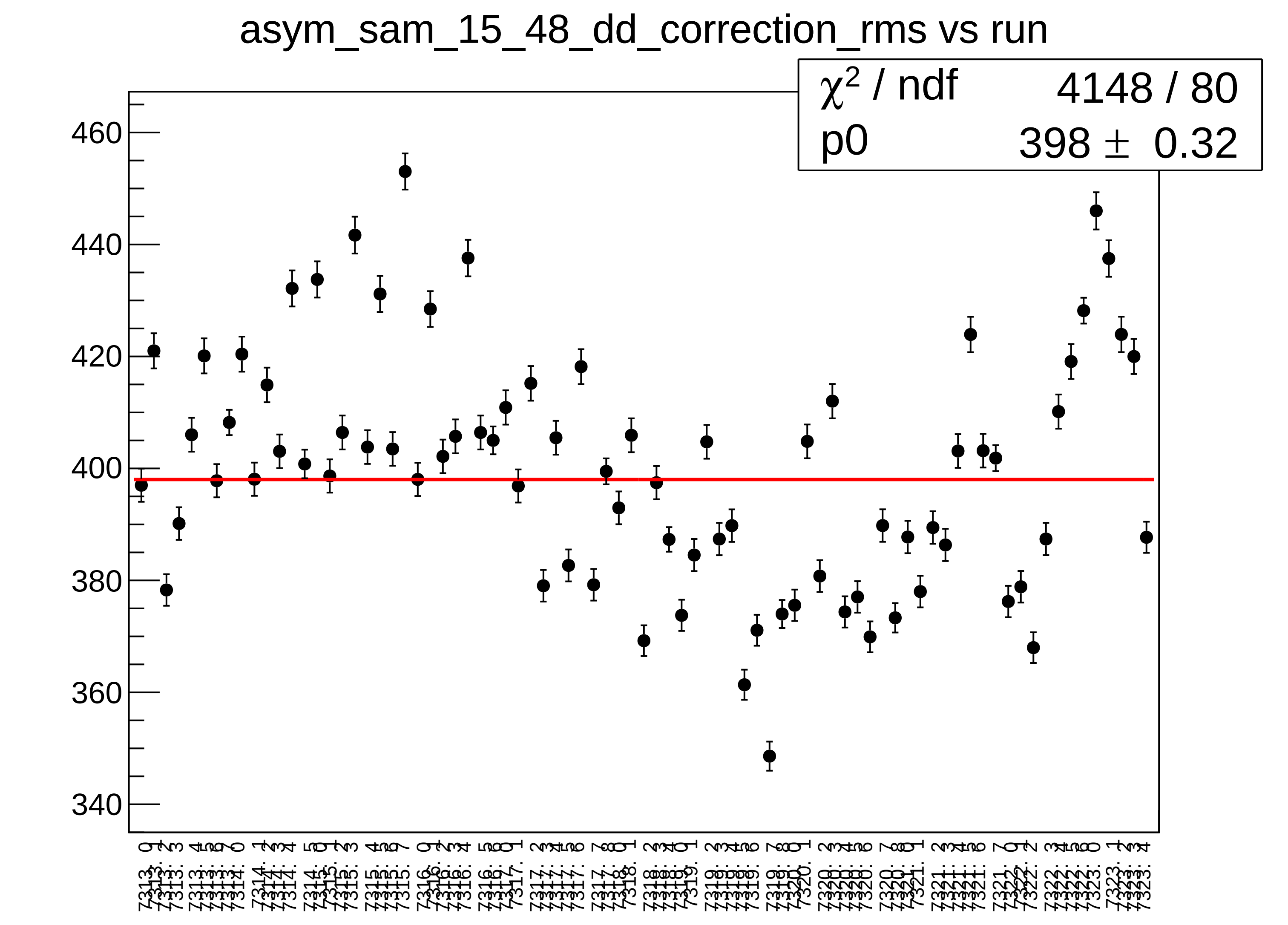
asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.012e+04 / 80
p0 390.2 ± 0.3143



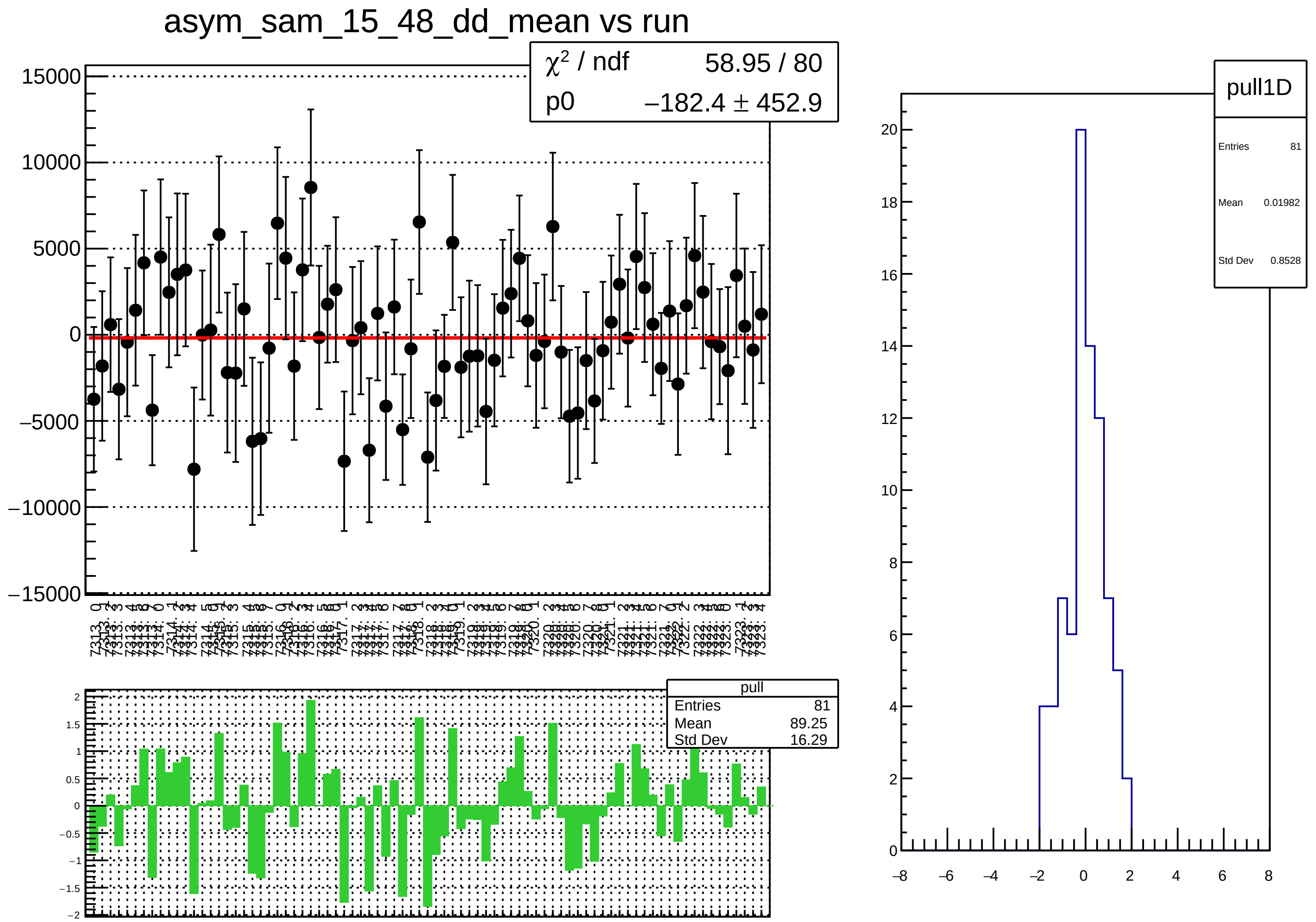
dit_asym_sam_15_48_dd_mean vs run
χ2 / ndf 93.07 / 80
p0 −53.21 ± 60.8
pull
Entries 81
Mean −1.878
Std Dev 23.47
pull1D
Entries 81
Mean −0.04101
Std Dev 1.071


dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.332e+05 / 80
p0 51.19 ± 0.04299
140
120
100
80
60
40

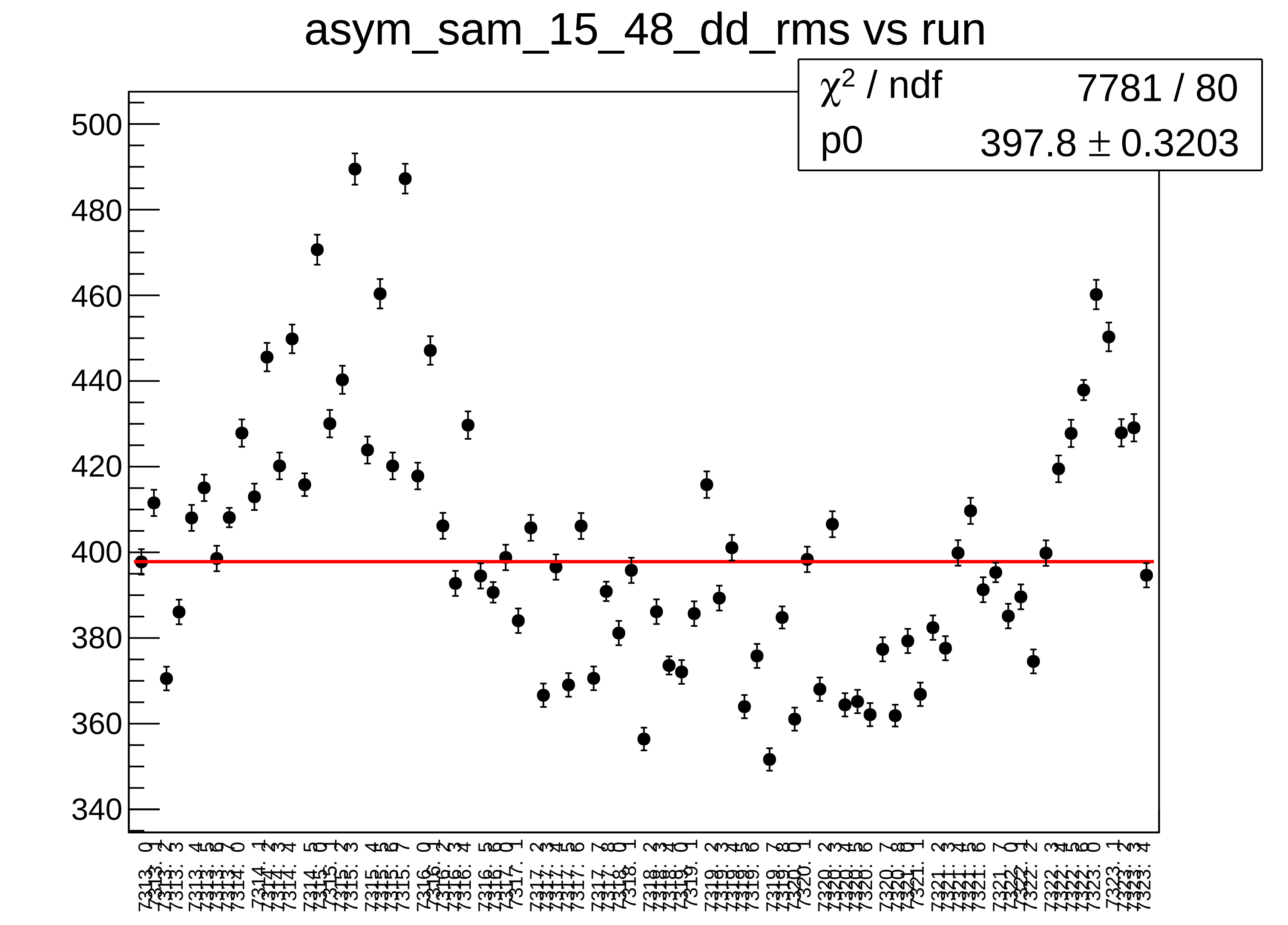

asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 63.66 / 80
p0 48.46 ± 452.6
pull
Entries 81
Mean 69.98
Std Dev 47.96
pull1D
Entries 81
Mean −0.01656
Std Dev 0.8863



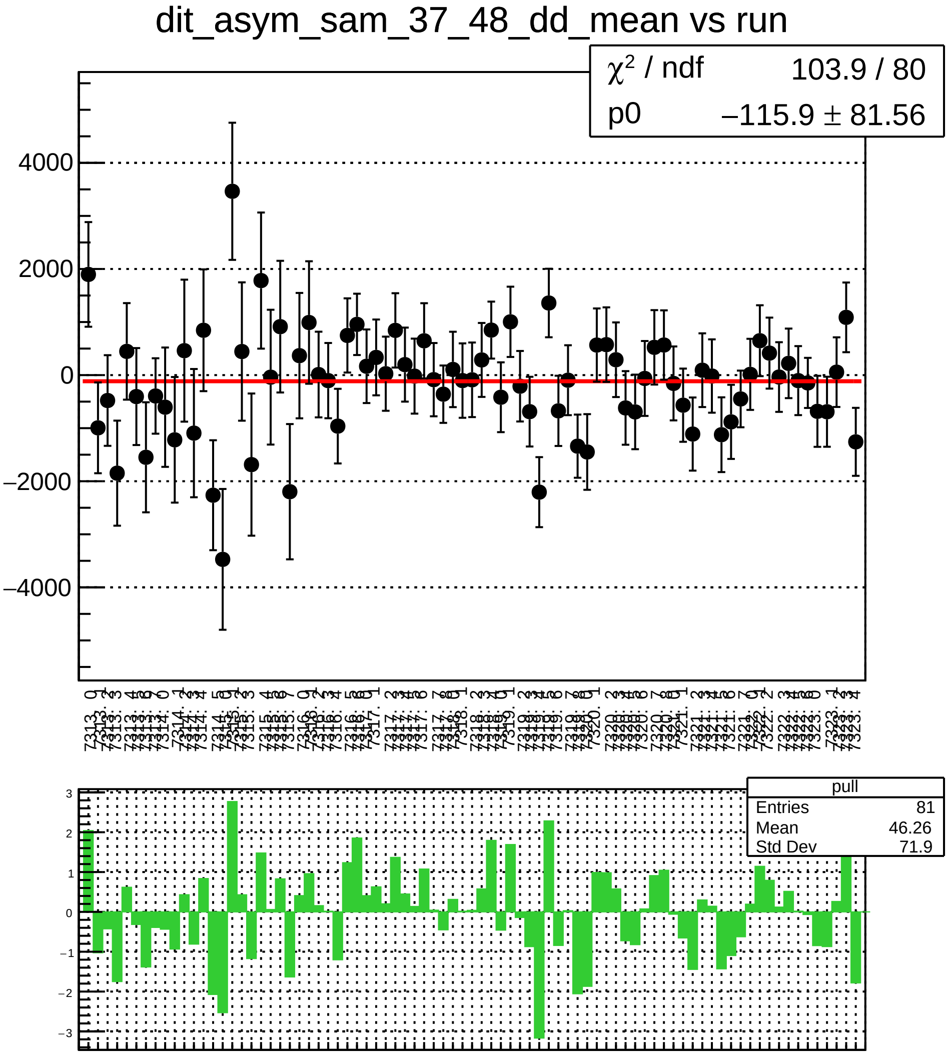
asym_sam_15_48_dd_correction_rms vs run
χ2 / ndf 4148 / 80
p0 398 ± 0.32
460
440
420
400
380
360
340



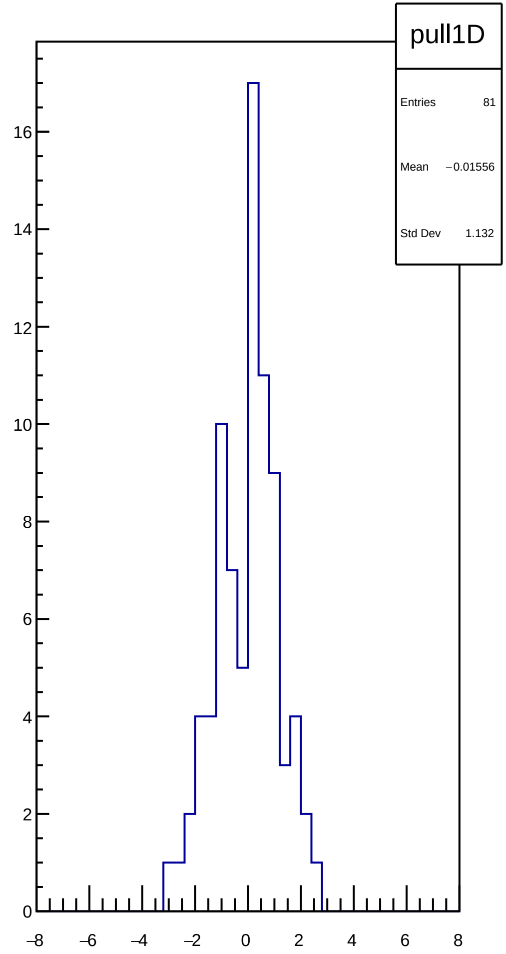
asym_sam_15_48_dd_mean vs run
χ² / ndf 58.95 / 80
p0 −182.4 ± 452.9
pull
Entries 81
Mean 89.25
Std Dev 16.29
pull1D
Entries 81
Mean 0.01982
Std Dev 0.8528



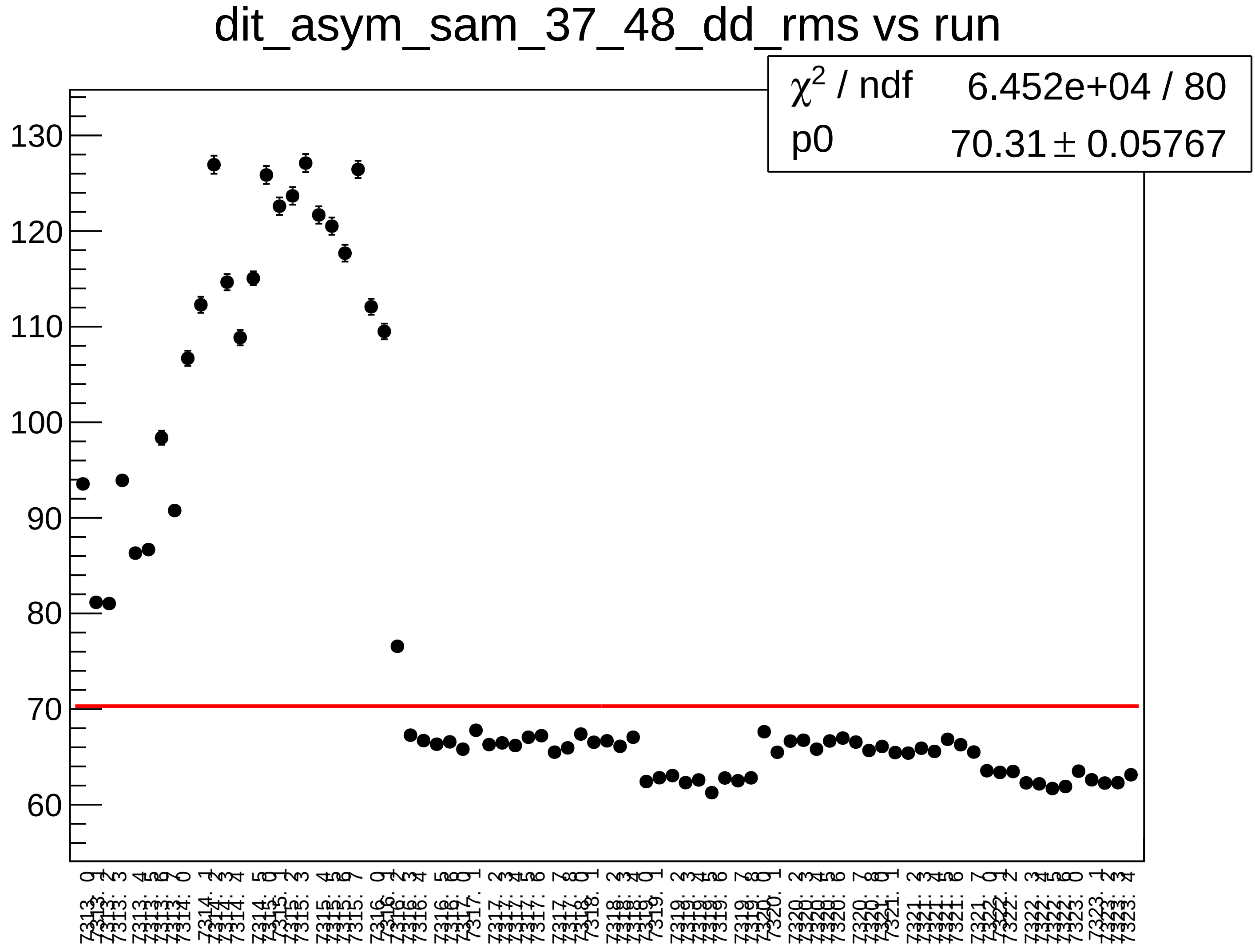
asym_sam_15_48_dd_rms vs run
χ2 / ndf 7781 / 80
p0 397.8 ± 0.3203
500
480
460
440
420
400
380
360
340



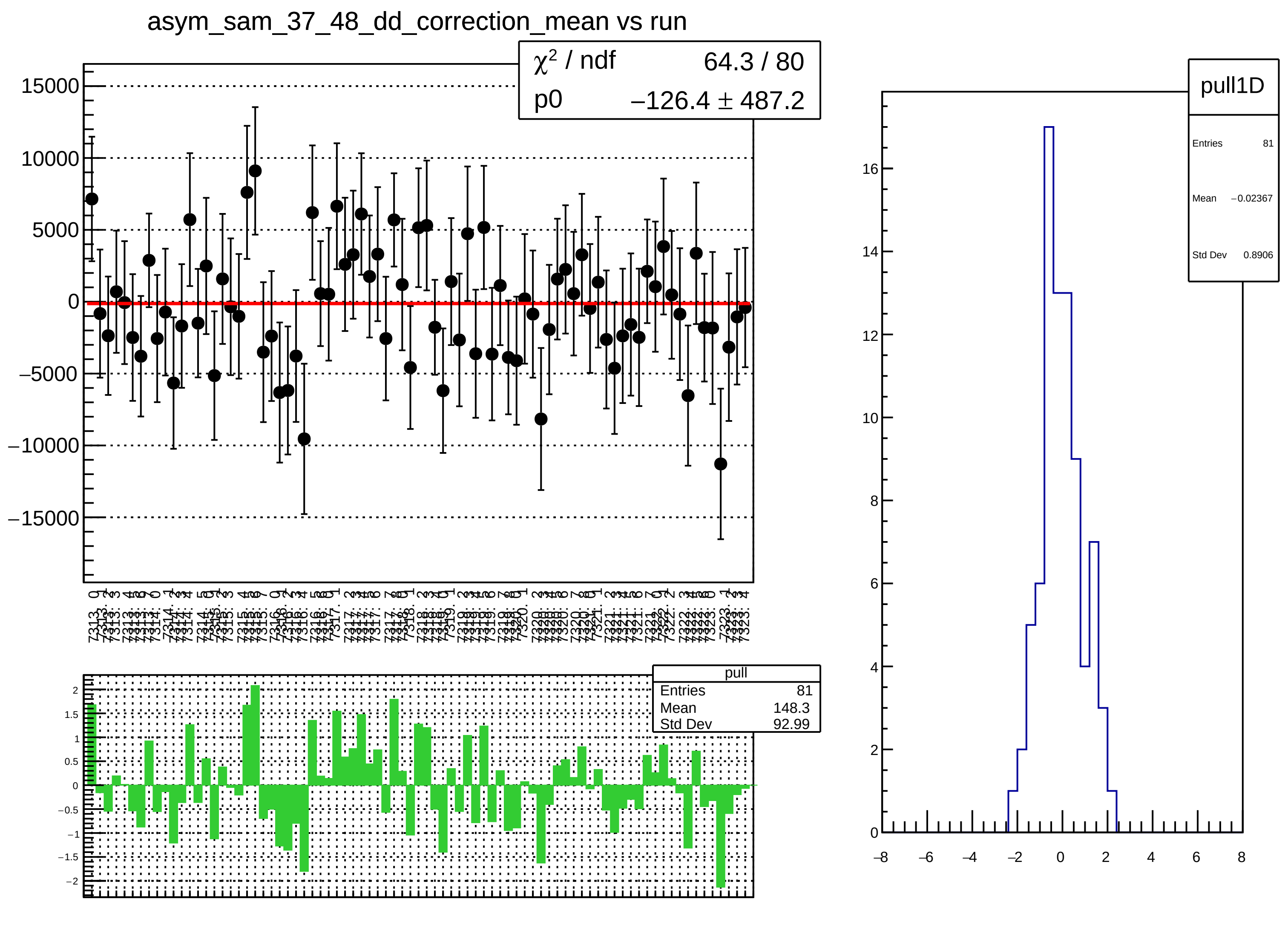
dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 103.9 / 80
p0 −115.9 ± 81.56
pull
Entries 81
Mean 46.26
Std Dev 71.9



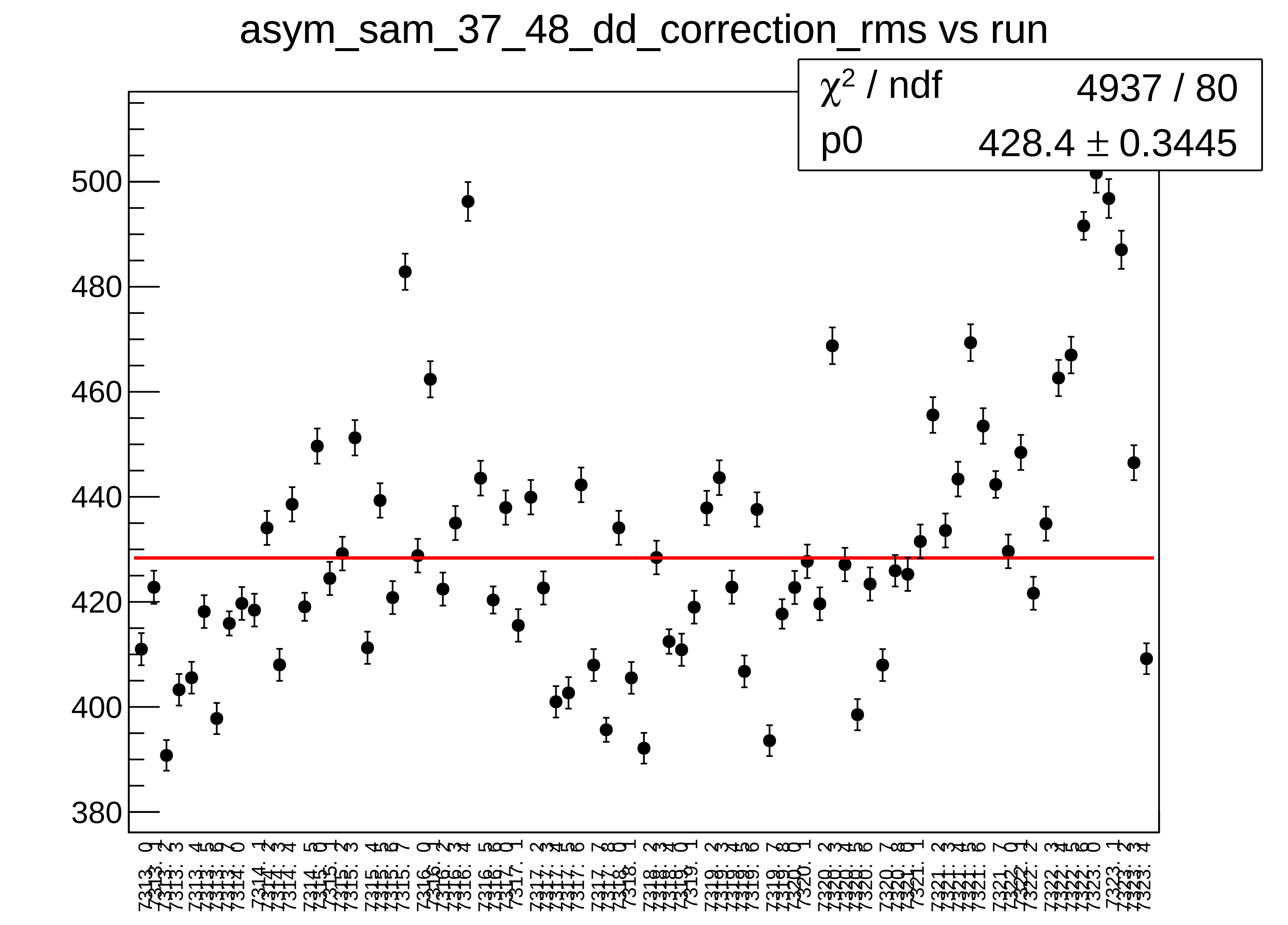
pull1D
Entries 81
Mean −0.01556
Std Dev 1.132



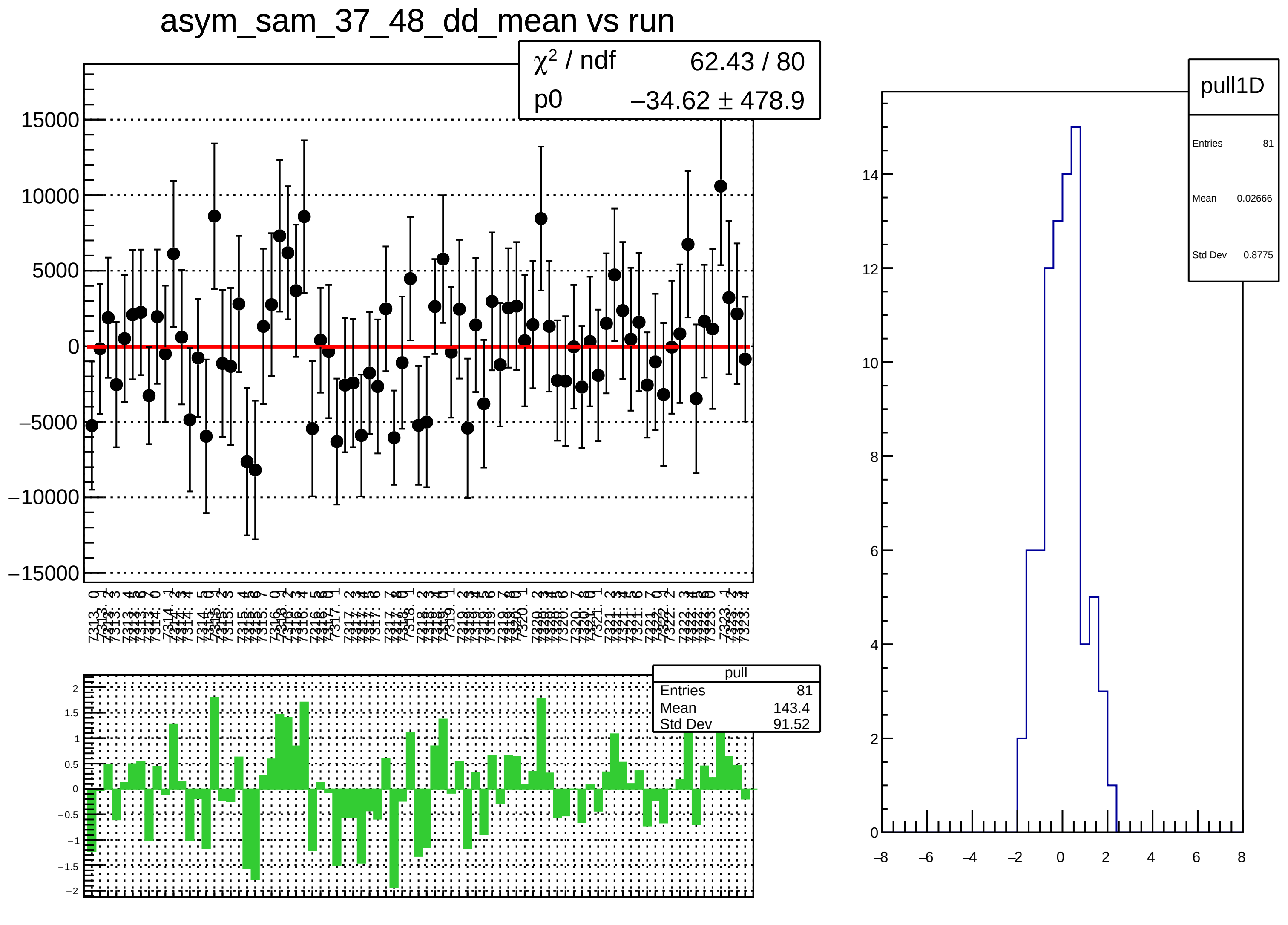
dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 6.452e+04 / 80
p0 70.31 ± 0.05767
130
120
110
100
90
80
70
60



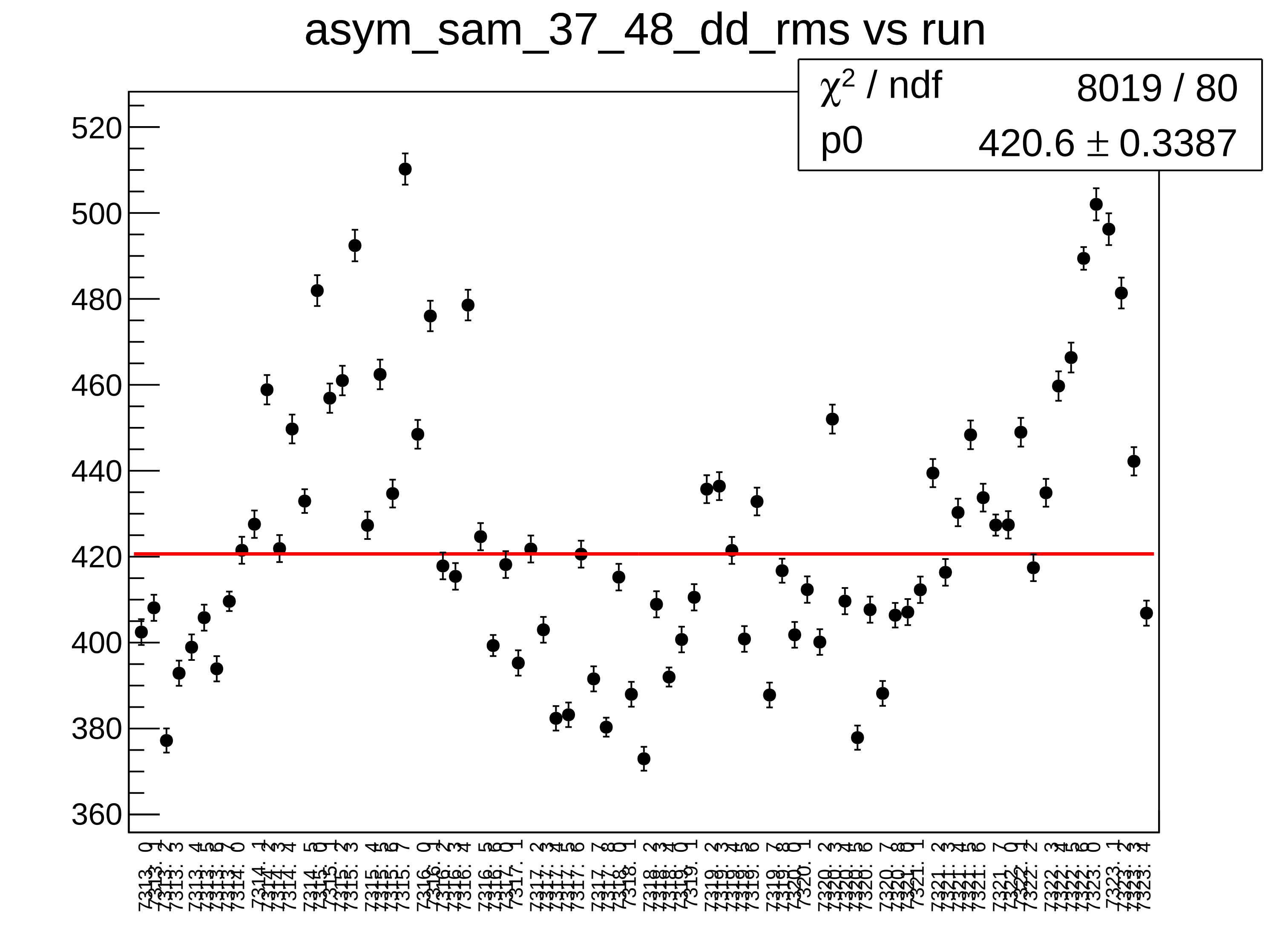
asym_sam_37_48_dd_correction_mean vs run
χ2 / ndf 64.3 / 80
p0 −126.4 ± 487.2
pull
Entries 81
Mean 148.3
Std Dev 92.99
pull1D
Entries 81
Mean −0.02367
Std Dev 0.8906



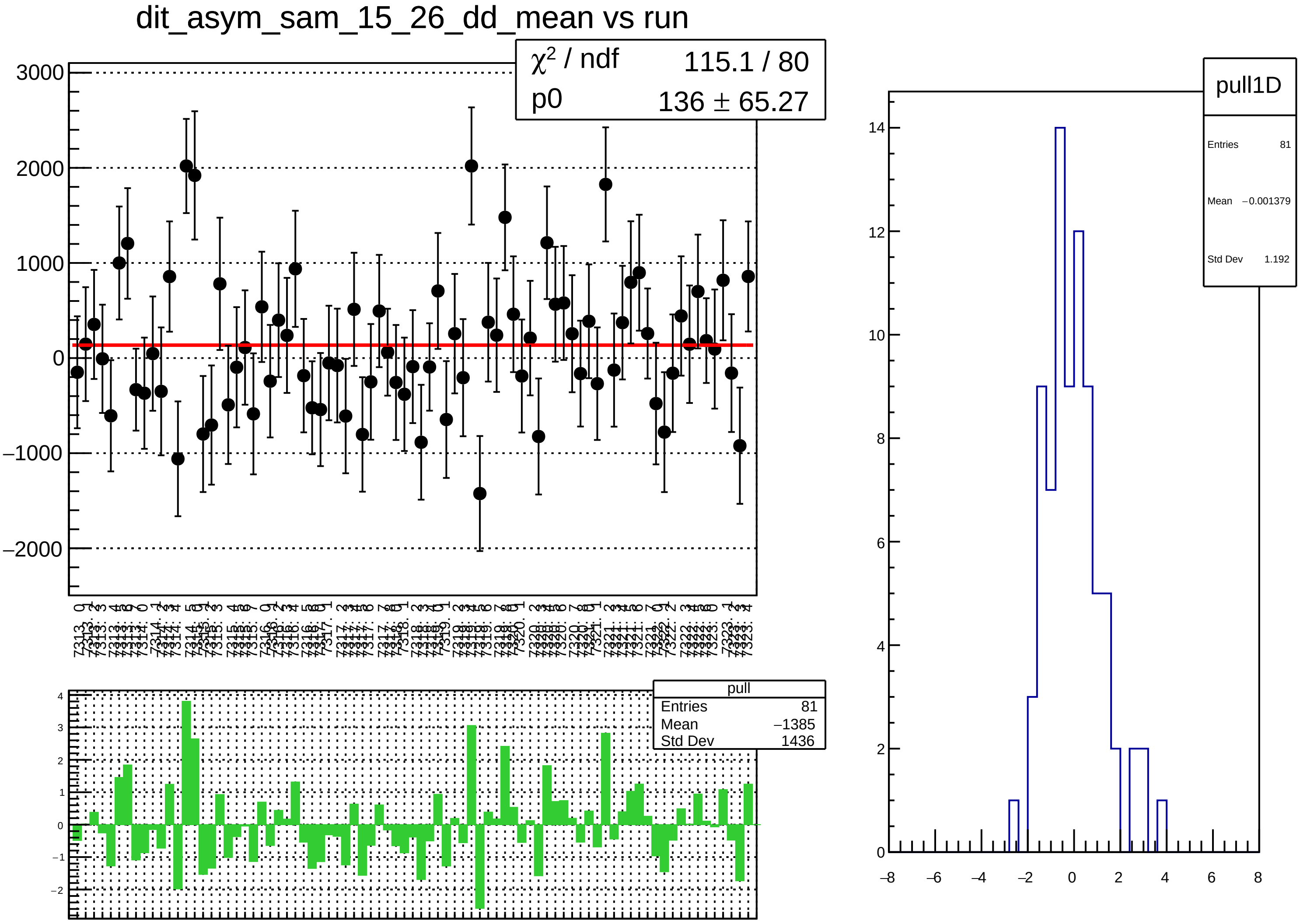
asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 4937 / 80
p0 428.4 ± 0.3445
500
480
460
440
420
400
380



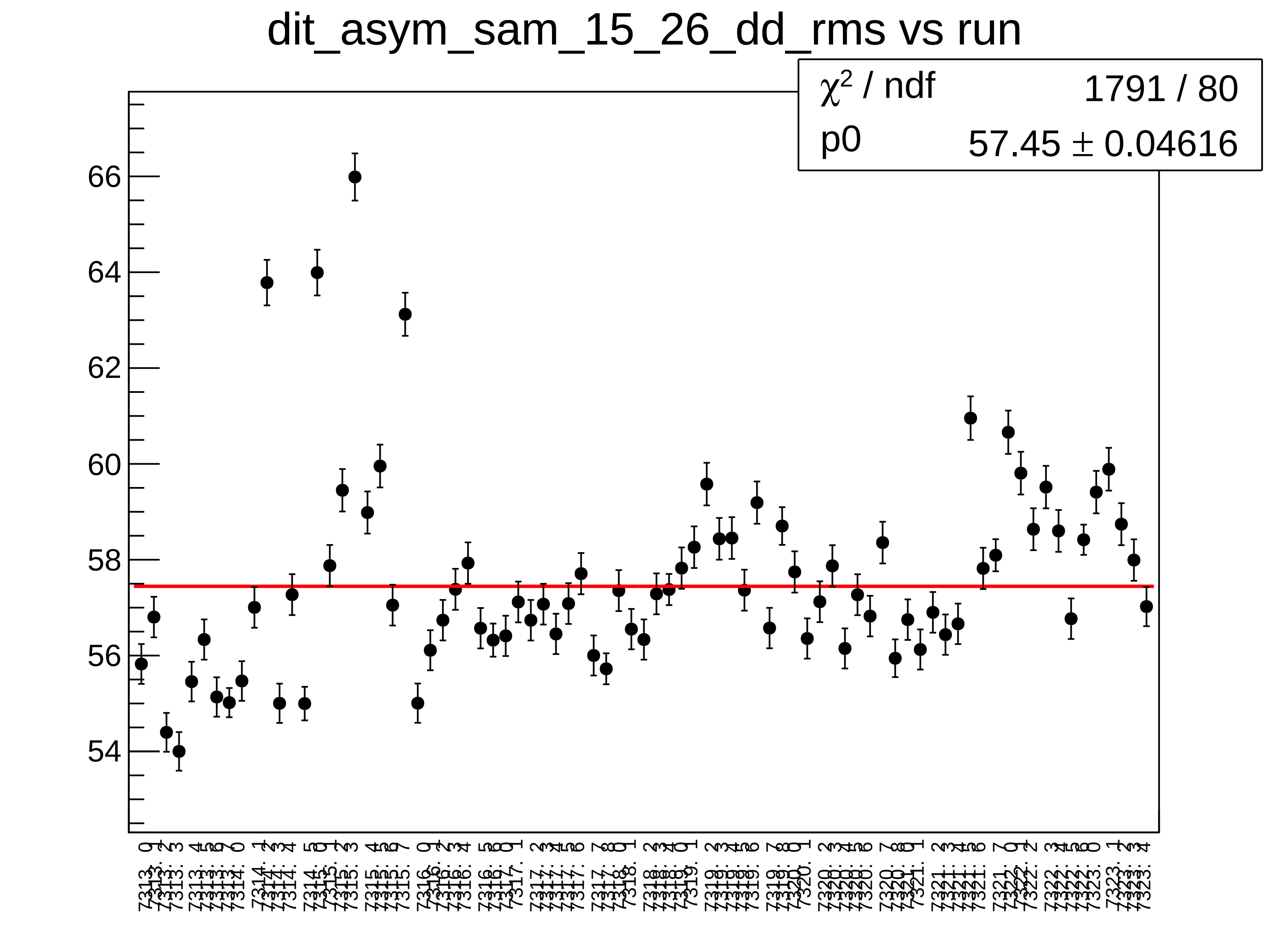
asym_sam_37_48_dd_mean vs run
χ^2 / ndf 62.43 / 80
p0 −34.62 ± 478.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 143.4
Std Dev 91.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.02666
Std Dev 0.8775
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



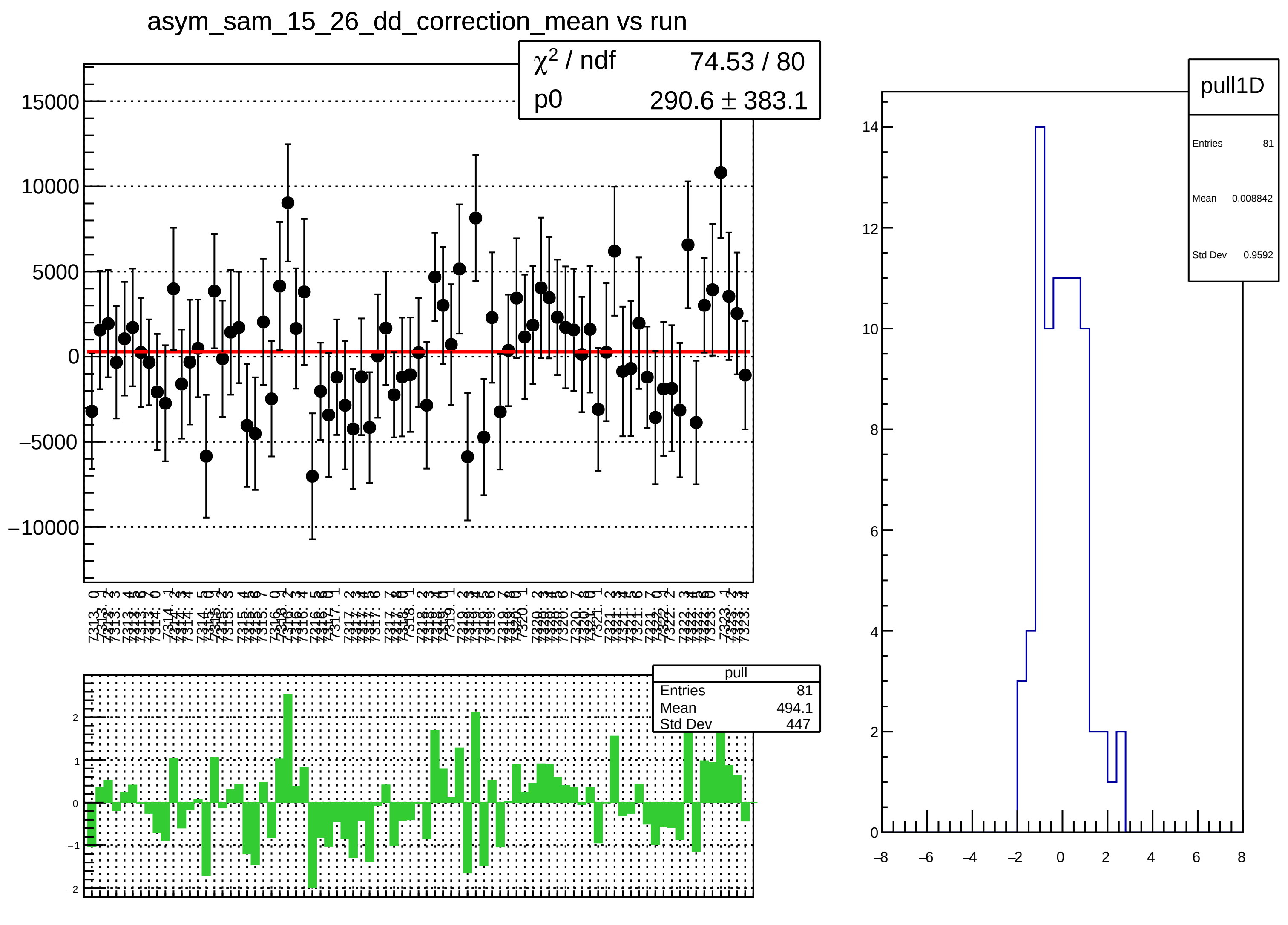
asym_sam_37_48_dd_rms vs run
χ2 / ndf 8019 / 80
p0 420.6 ± 0.3387
520
500
480
460
440
420
400
380
360

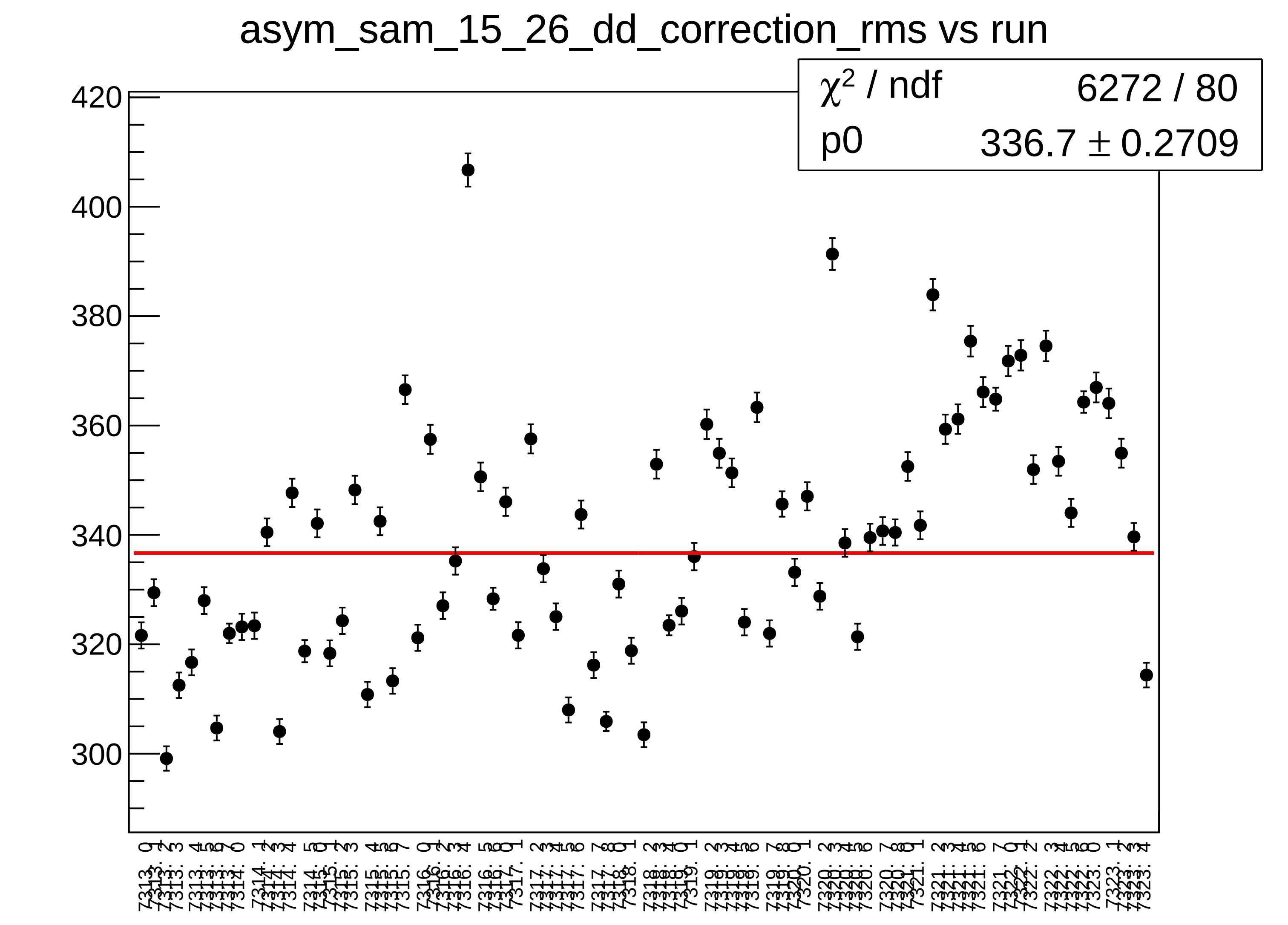


dit_asym_sam_15_26_dd_mean vs run
χ2 / ndf 115.1 / 80
p0 136 ± 65.27
pull
Entries 81
Mean −1385
Std Dev 1436
pull1D
Entries 81
Mean −0.001379
Std Dev 1.192

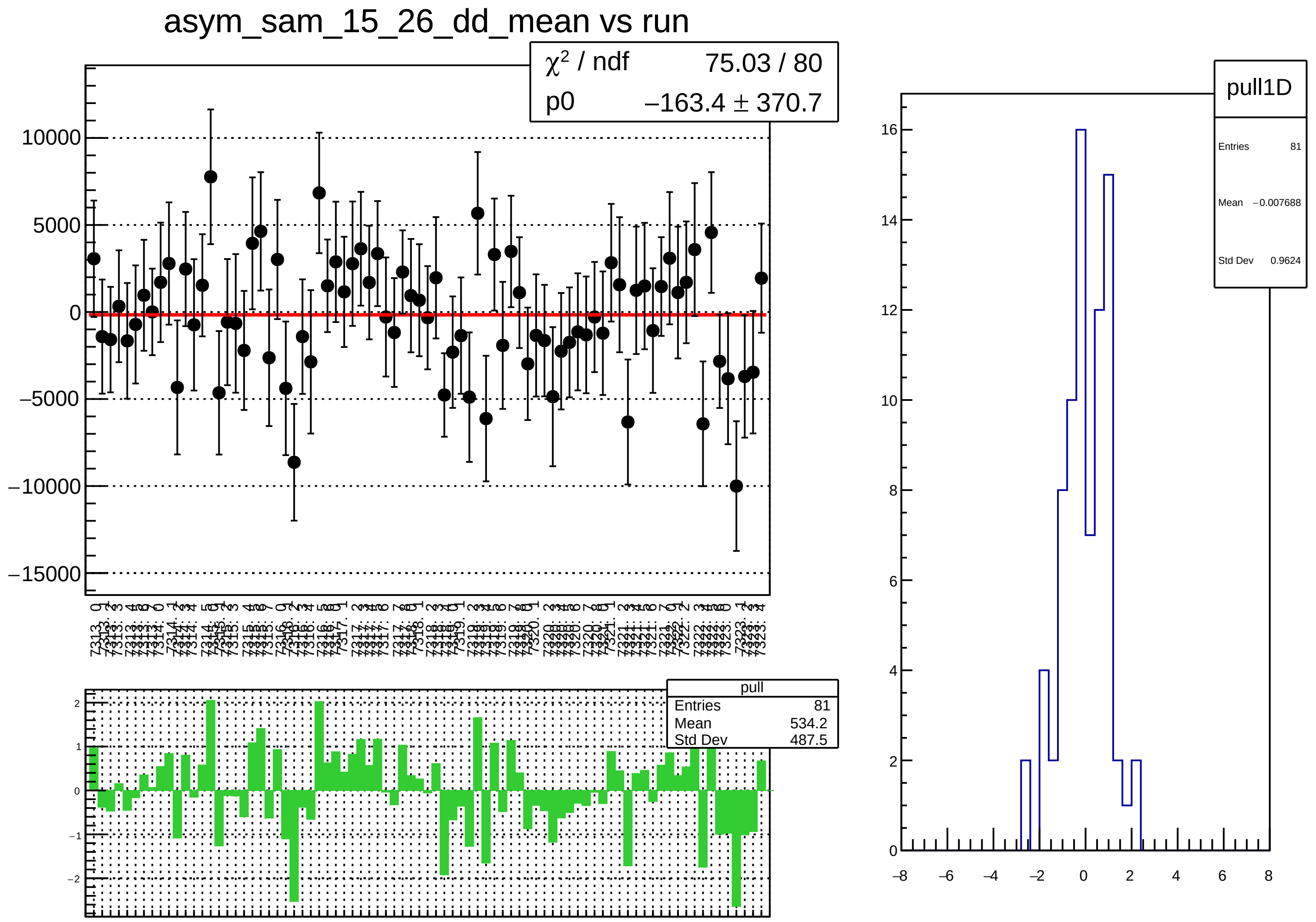


dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1791 / 80
p0 57.45 ± 0.04616
66
64
62
60
58
56
54

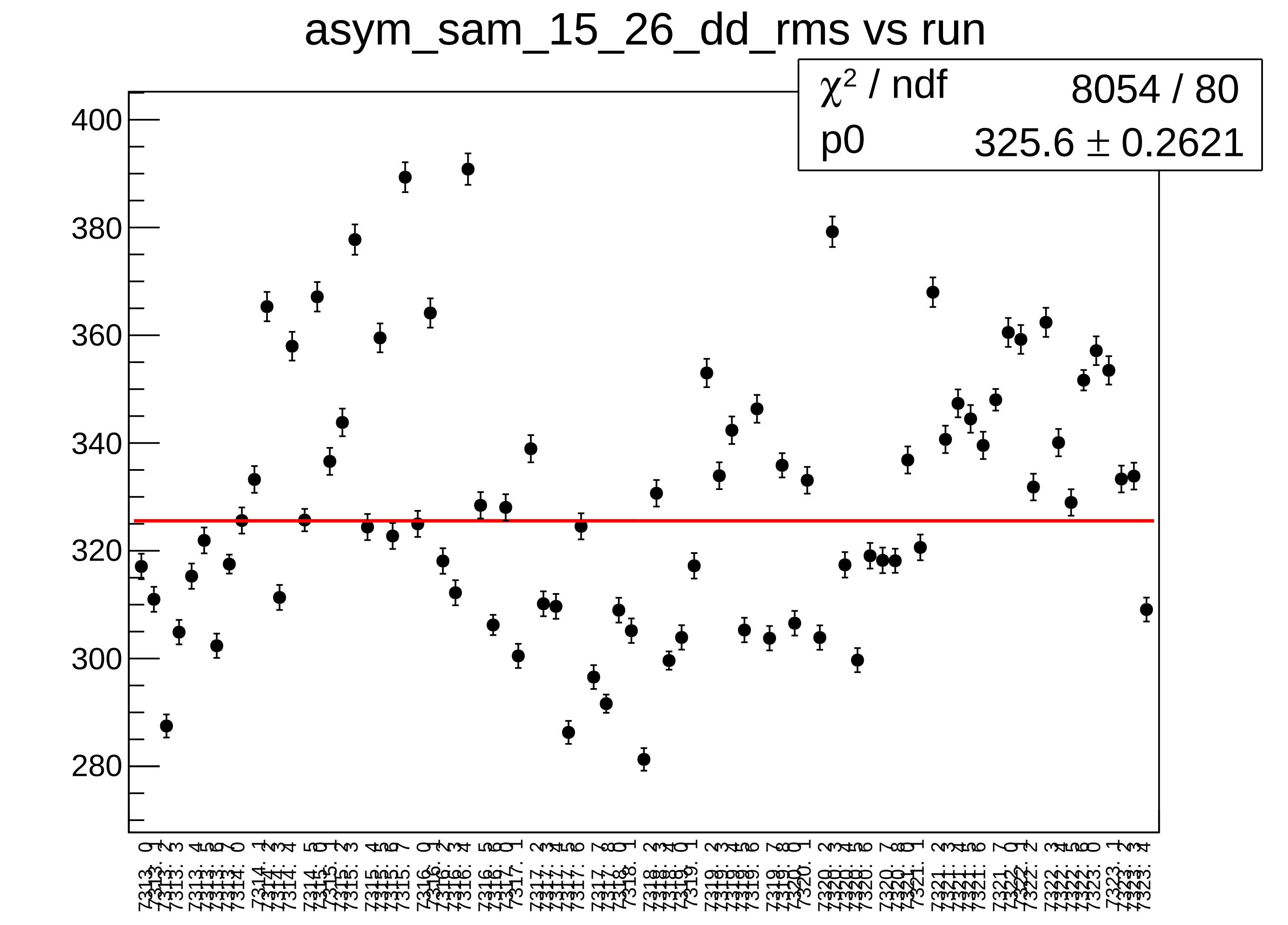

asym_sam_15_26_dd_correction_mean vs run
χ2 / ndf 74.53 / 80
p0 290.6 ± 383.1
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 494.1
Std Dev 447
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.008842
Std Dev 0.9592
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



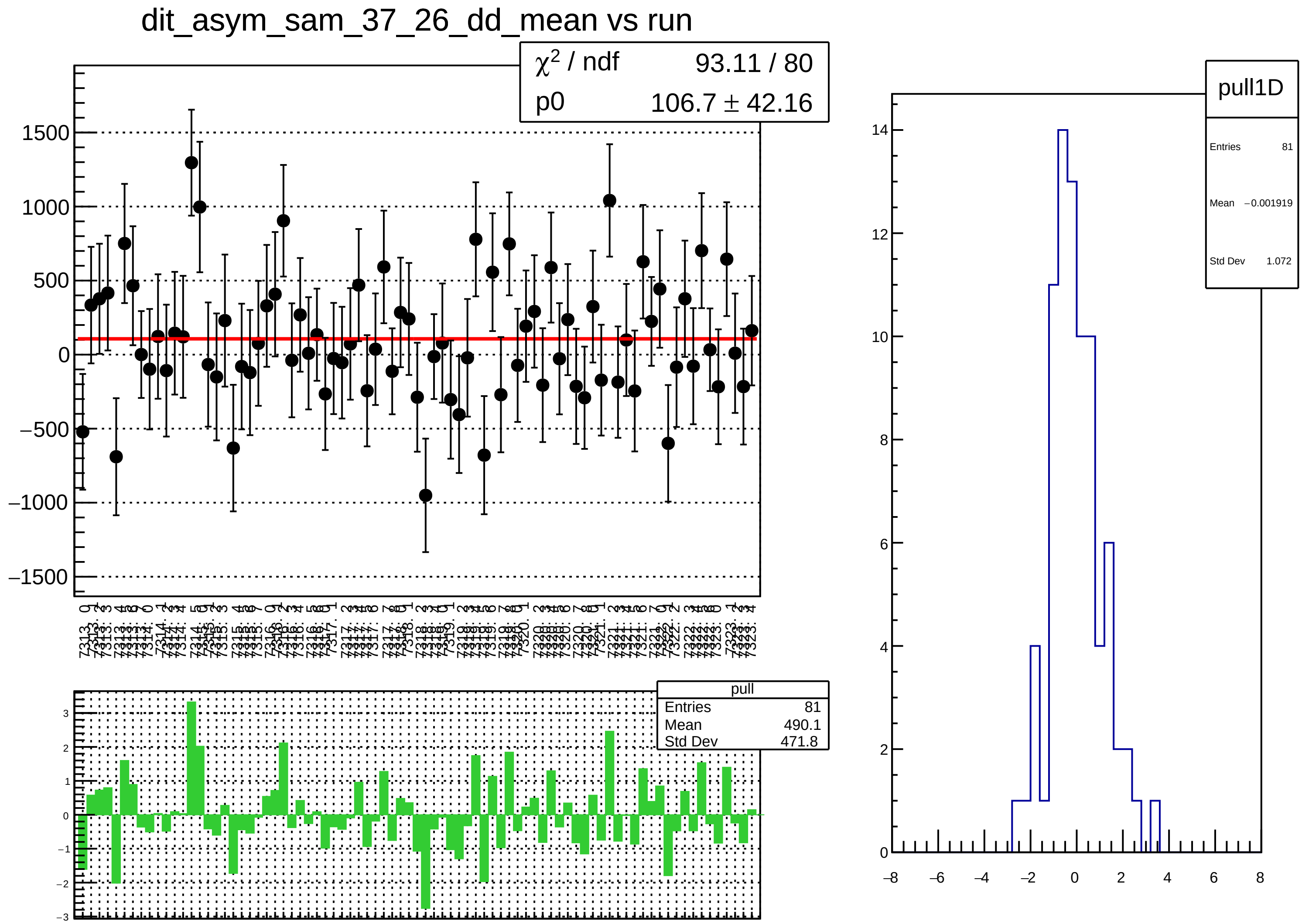
asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 6272 / 80
p0 336.7 ± 0.2709
420
400
380
360
340
320
300



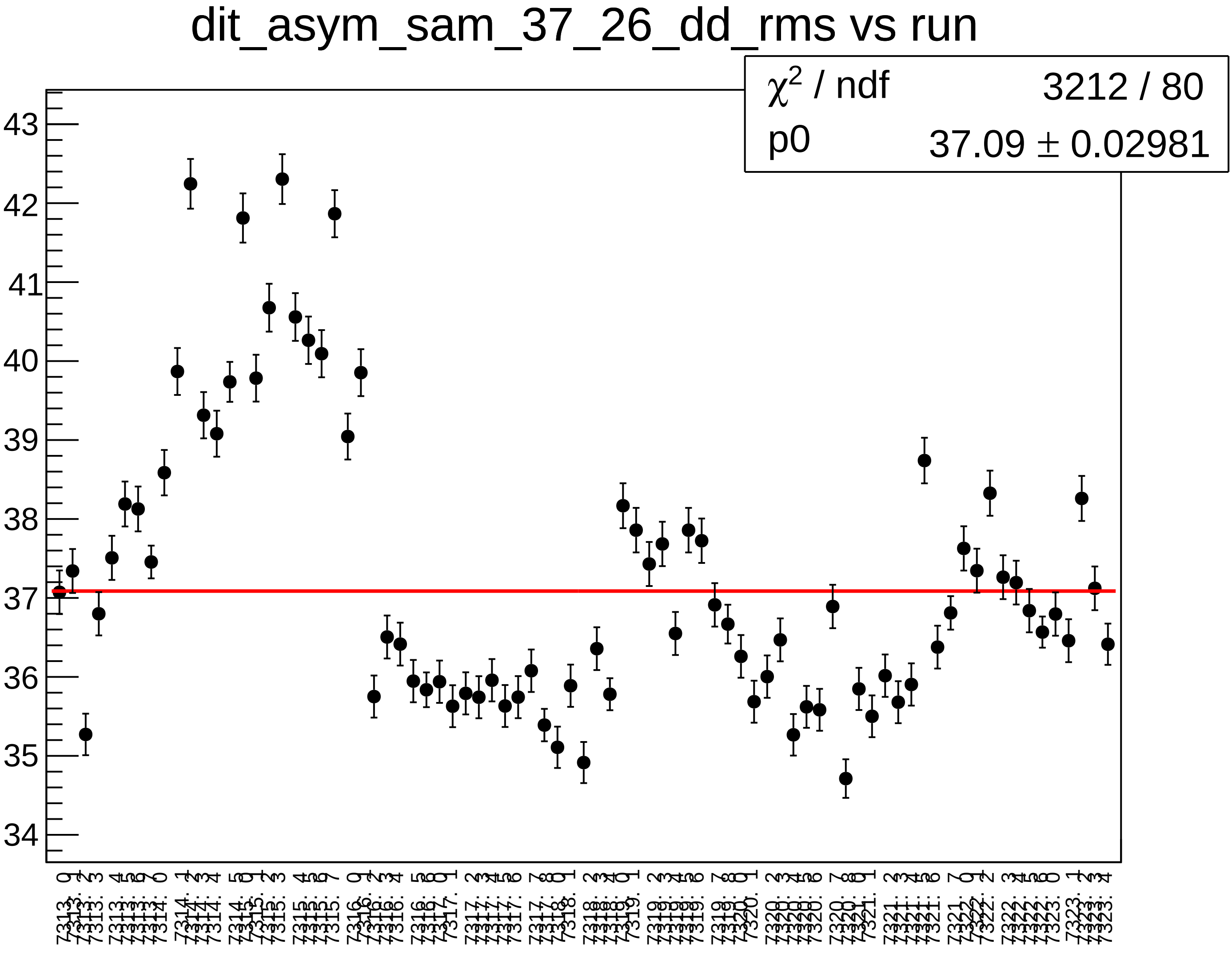
asym_sam_15_26_dd_mean vs run
χ^2 / ndf 75.03 / 80
p0 −163.4 ± 370.7
pull
Entries 81
Mean 534.2
Std Dev 487.5
pull1D
Entries 81
Mean −0.007688
Std Dev 0.9624



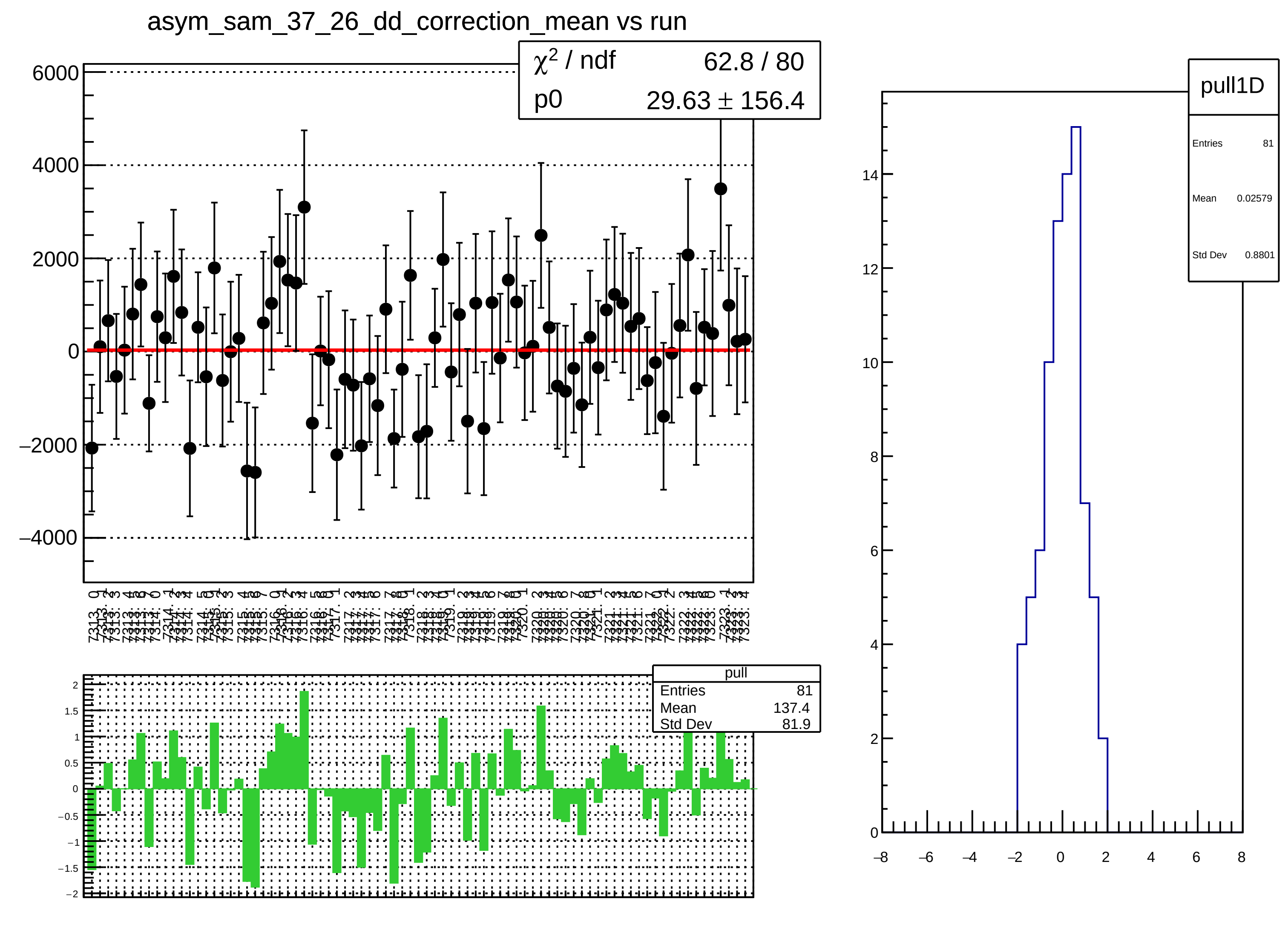
asym_sam_15_26_dd_rms vs run
χ^2 / ndf 8054 / 80
p0 325.6 ± 0.2621
400
380
360
340
320
300
280

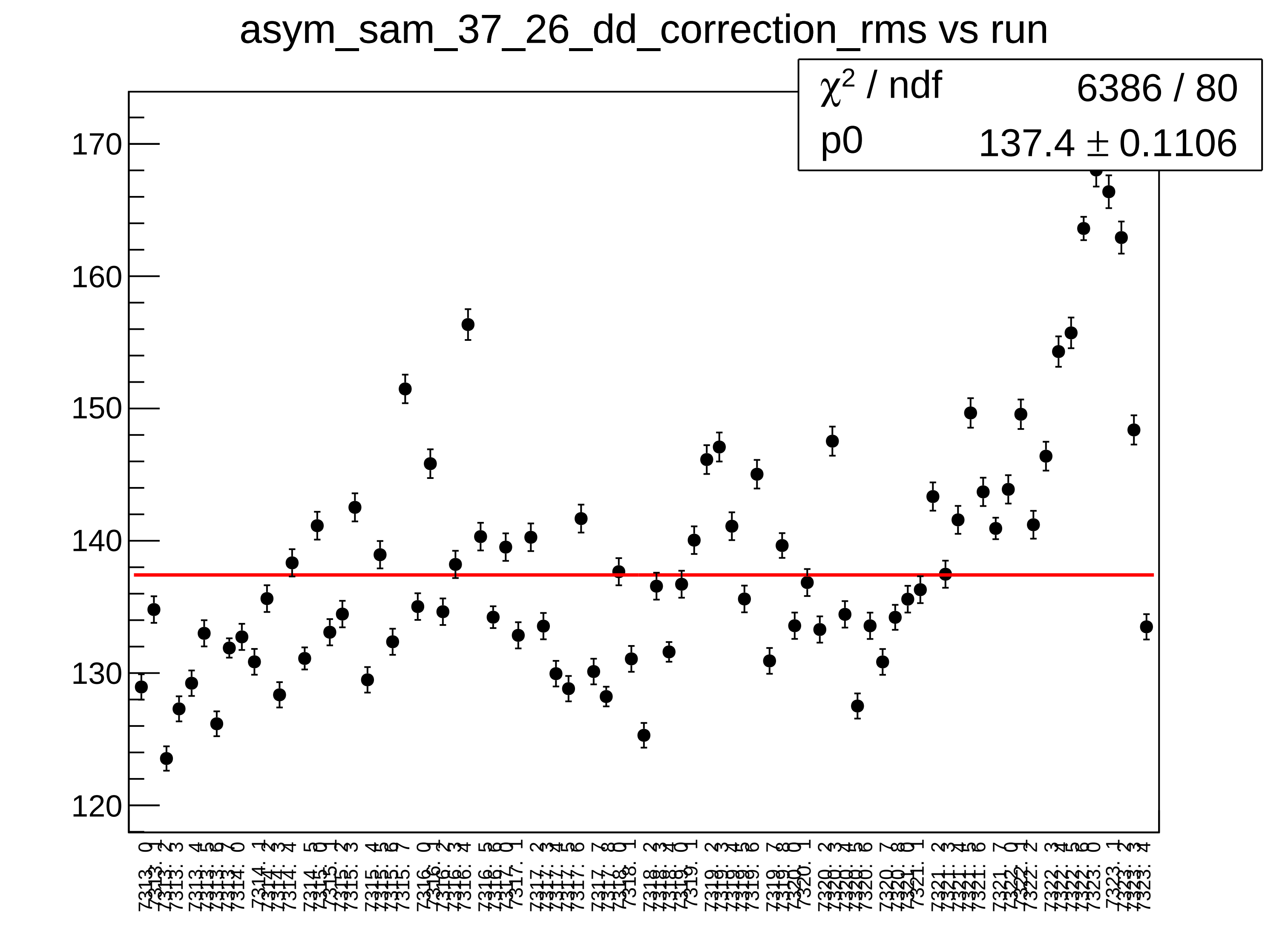


dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 93.11 / 80
p0 106.7 ± 42.16
pull
Entries 81
Mean 490.1
Std Dev 471.8
pull1D
Entries 81
Mean −0.001919
Std Dev 1.072

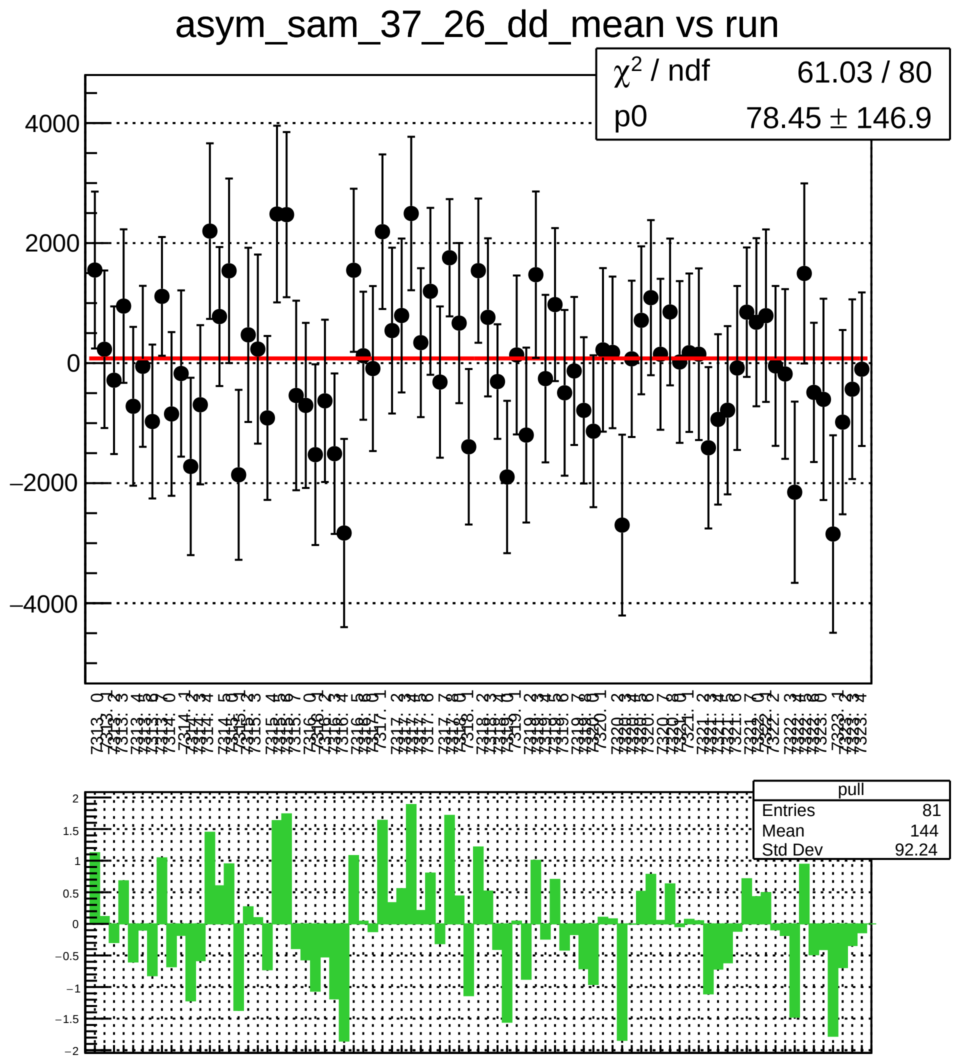


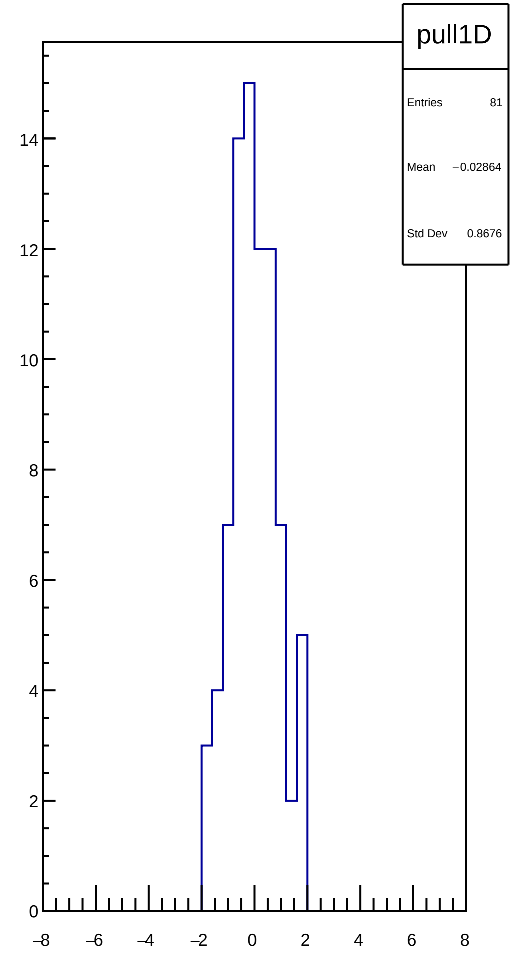
dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3212 / 80
p0 37.09 ± 0.02981

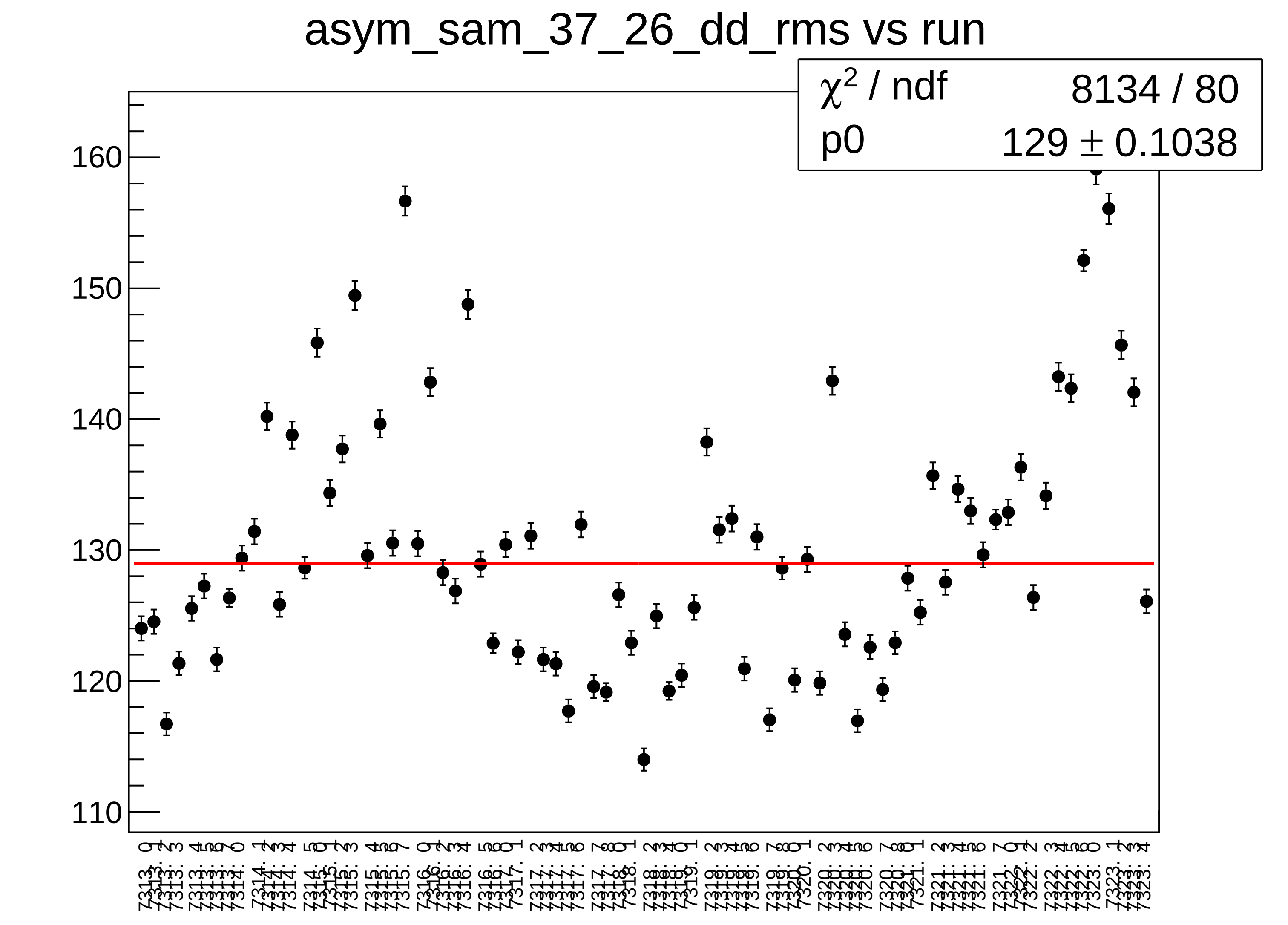

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 62.8 / 80
p0 29.63 ± 156.4
pull
Entries 81
Mean 137.4
Std Dev 81.9
pull1D
Entries 81
Mean 0.02579
Std Dev 0.8801



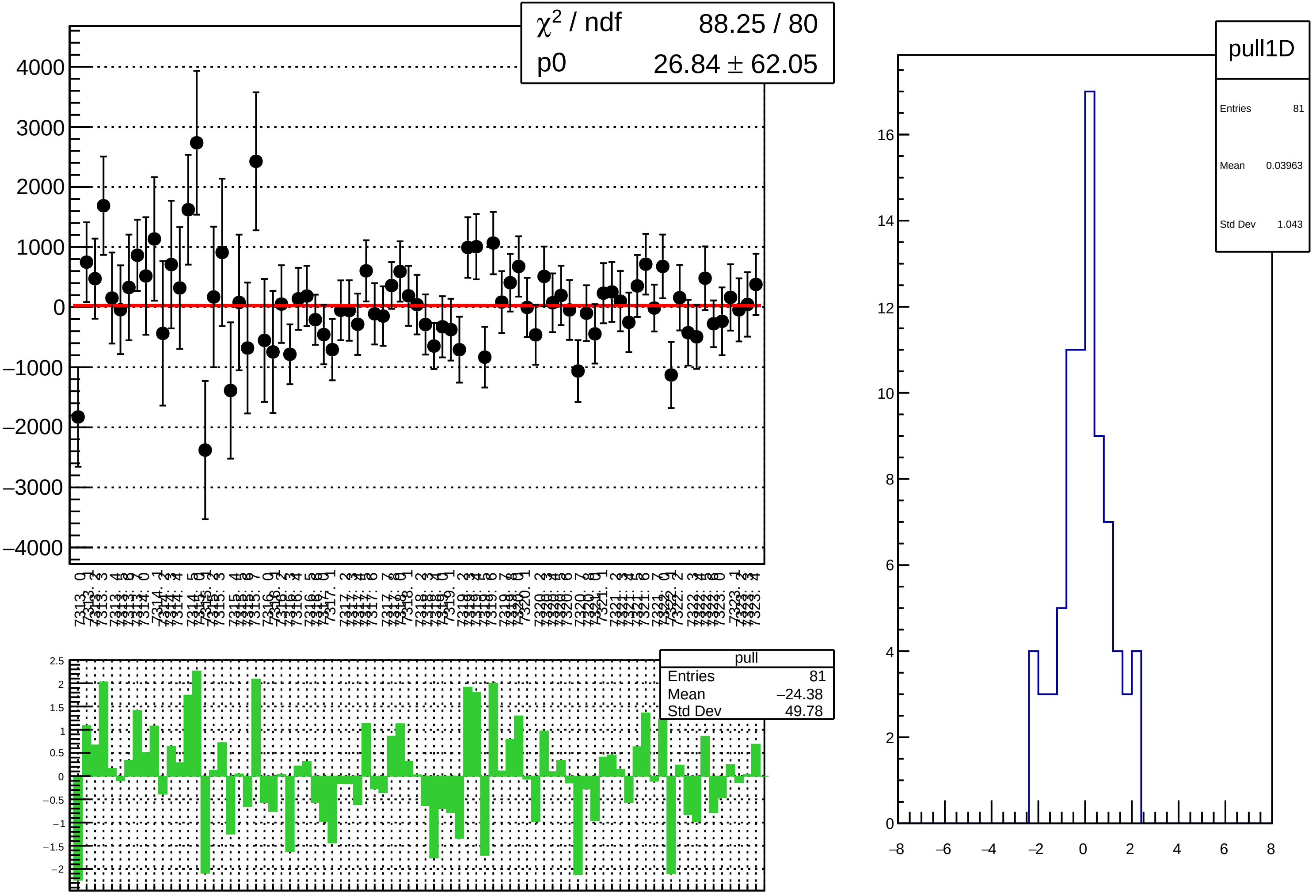
asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 6386 / 80
p0 137.4 ± 0.1106
170
160
150
140
130
120

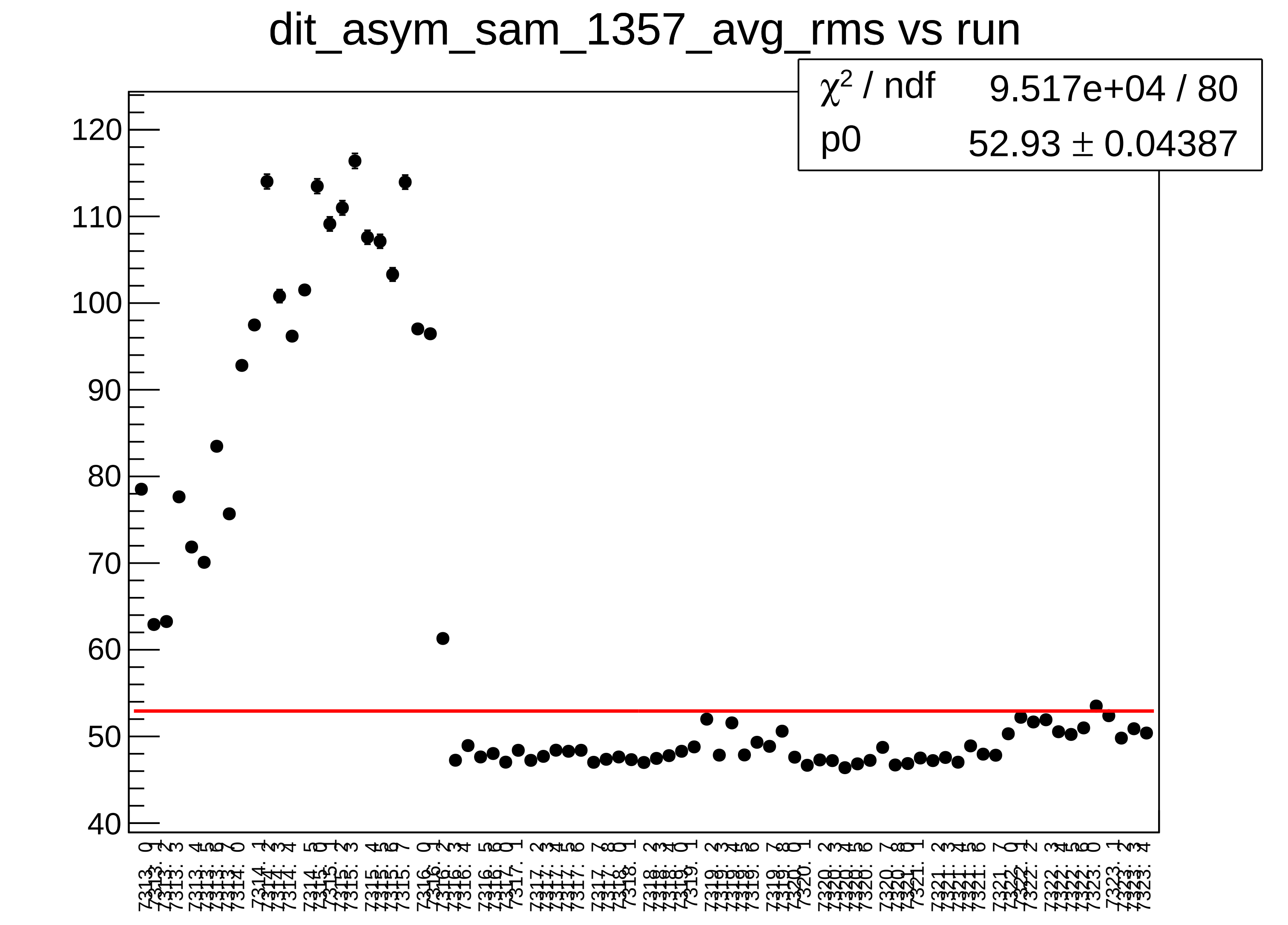

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 61.03 / 80
p0 78.45 ± 146.9
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 144
Std Dev 92.24

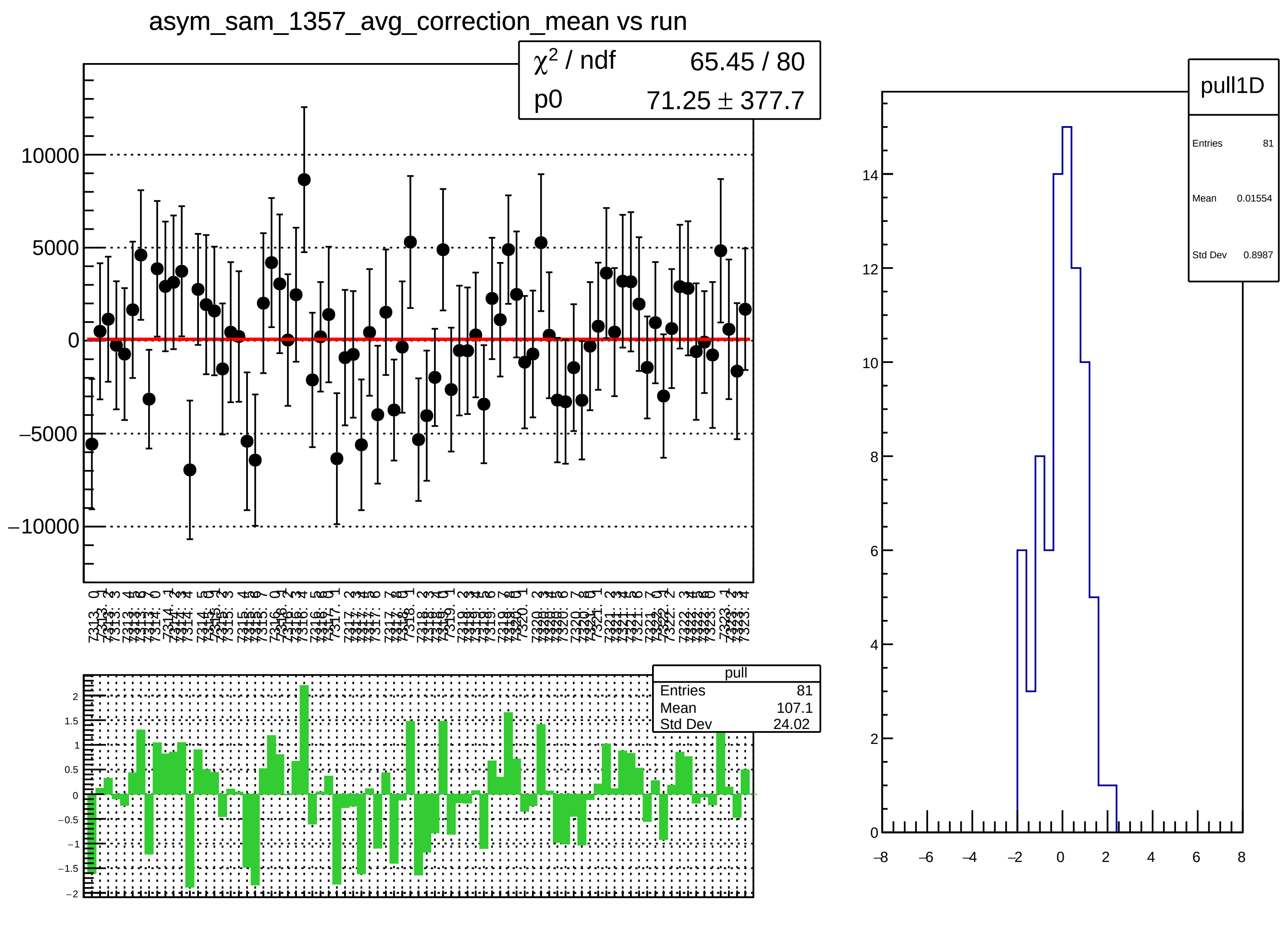

pull1D
Entries 81
Mean −0.02864
Std Dev 0.8676


asym_sam_37_26_dd_rms vs run
χ2 / ndf 8134 / 80
p0 129 ± 0.1038
160
150
140
130
120
110

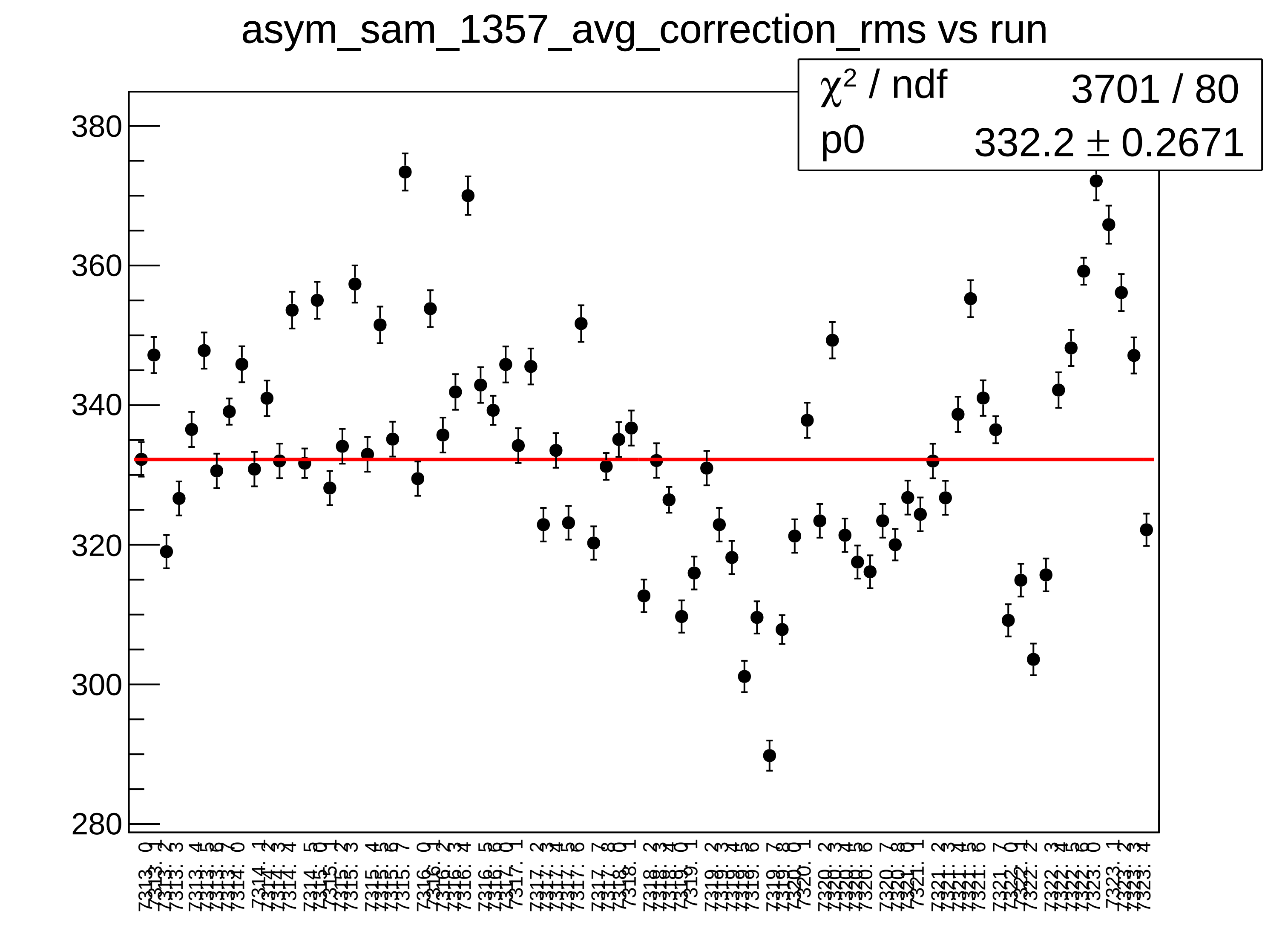
dit_asym_sam_1357_avg_mean vs run




dit_asym_sam_1357_avg_rms vs run
χ2 / ndf 9.517e+04 / 80
p0 52.93 ± 0.04387
120
110
100
90
80
70
60
50
40

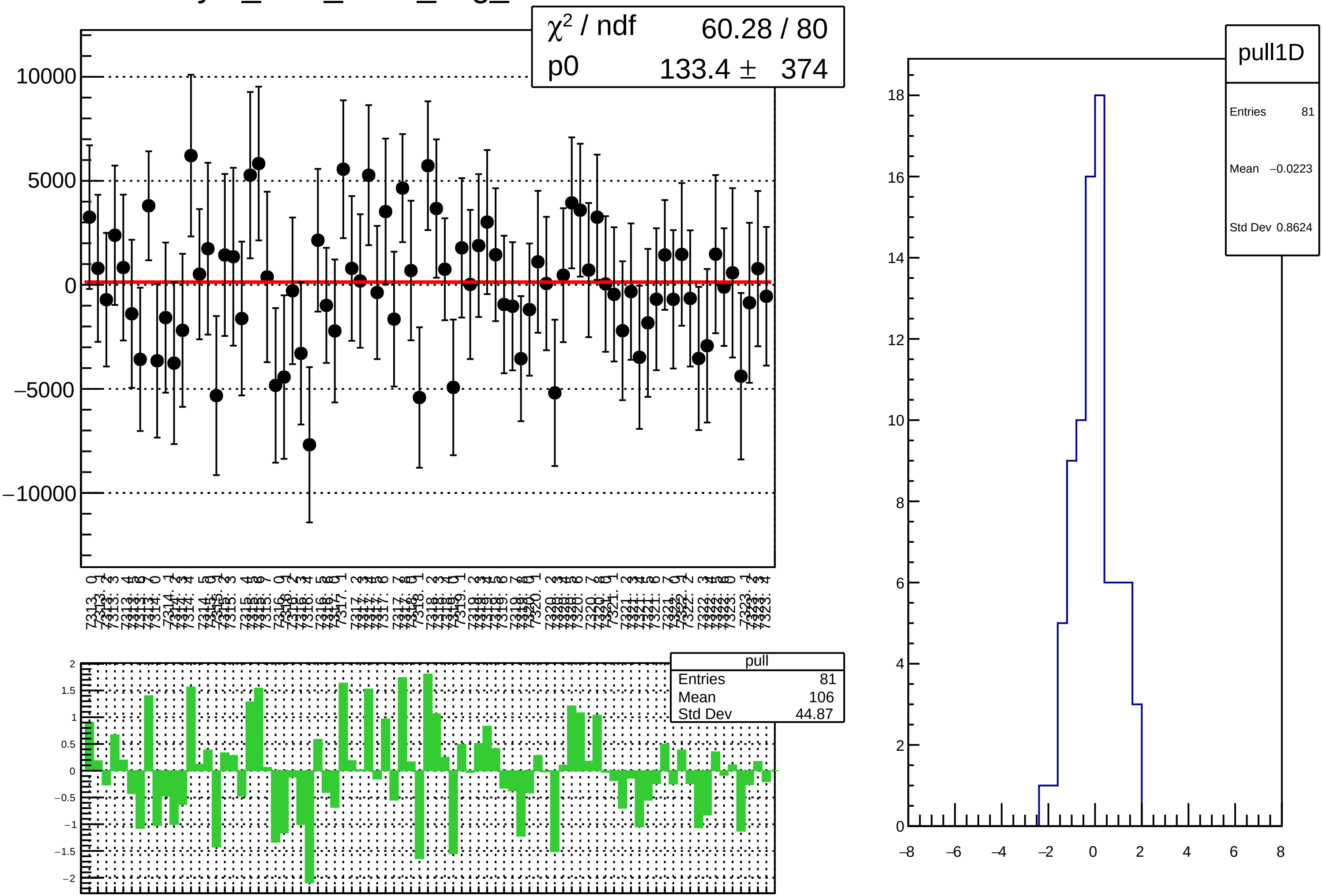


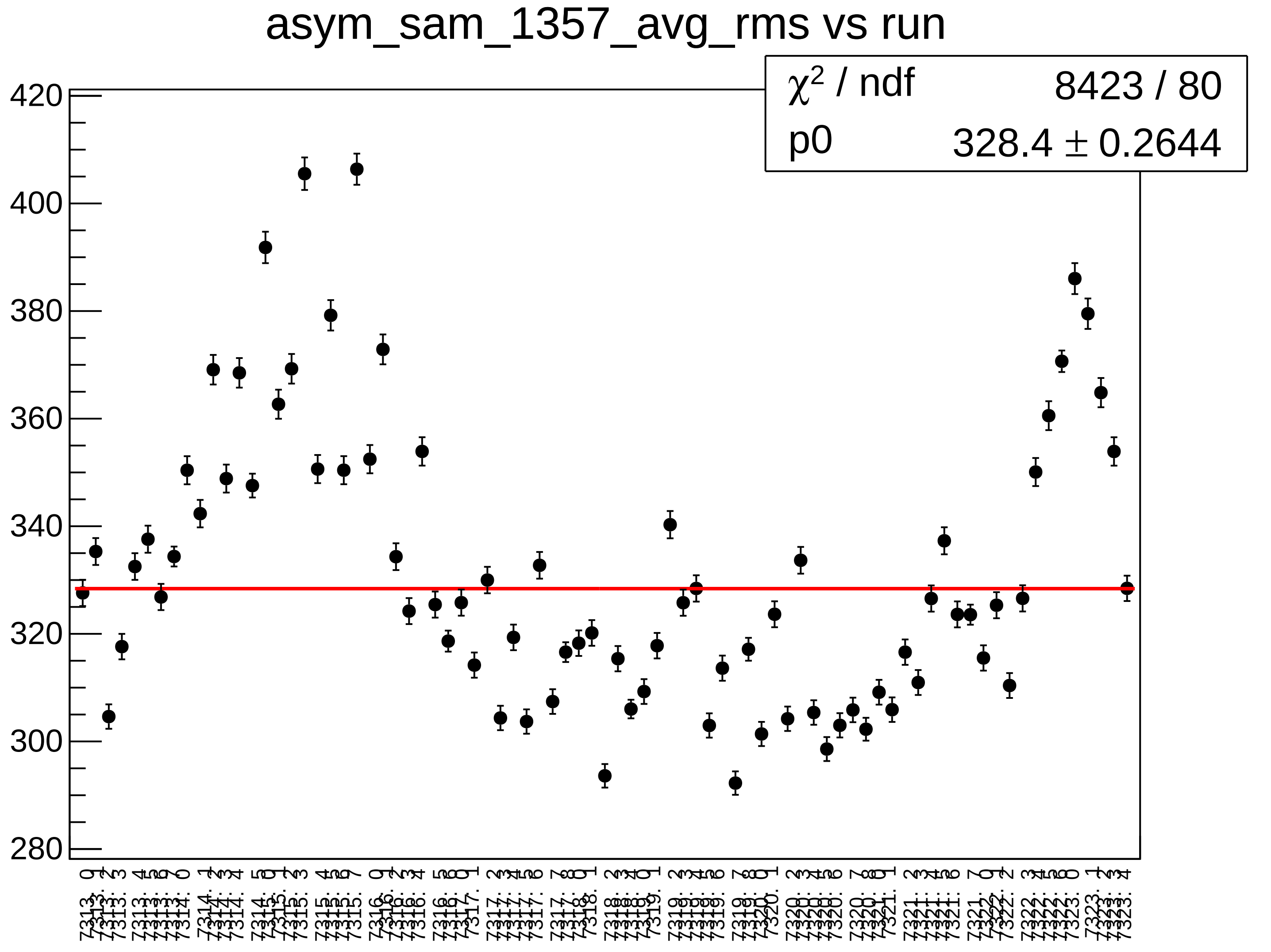
asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 65.45 / 80
p0 71.25 ± 377.7
pull
Entries 81
Mean 107.1
Std Dev 24.02
pull1D
Entries 81
Mean 0.01554
Std Dev 0.8987



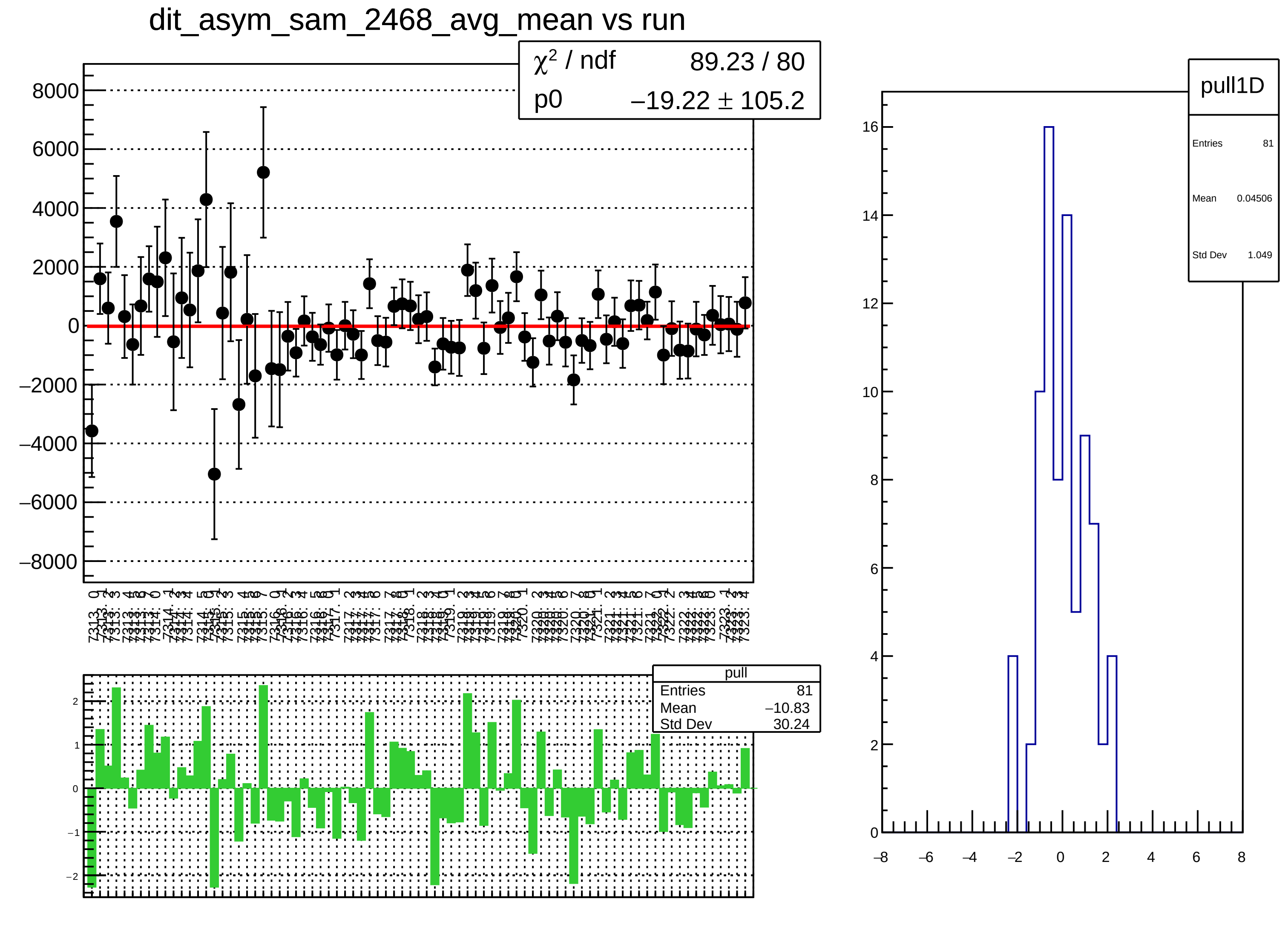
asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 3701 / 80
p0 332.2 ± 0.2671
380
360
340
320
300
280

asym_sam_1357_avg_mean vs run

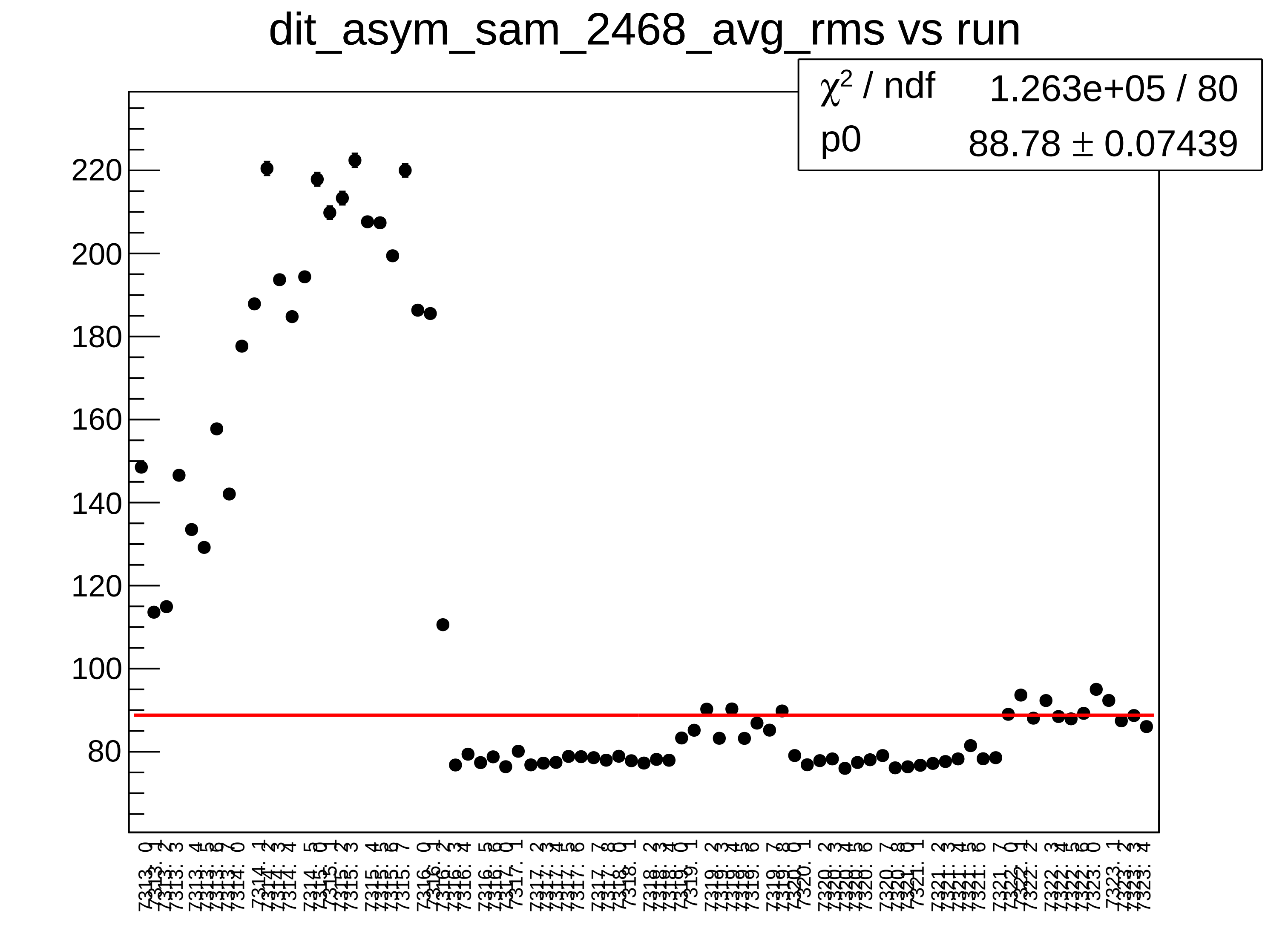




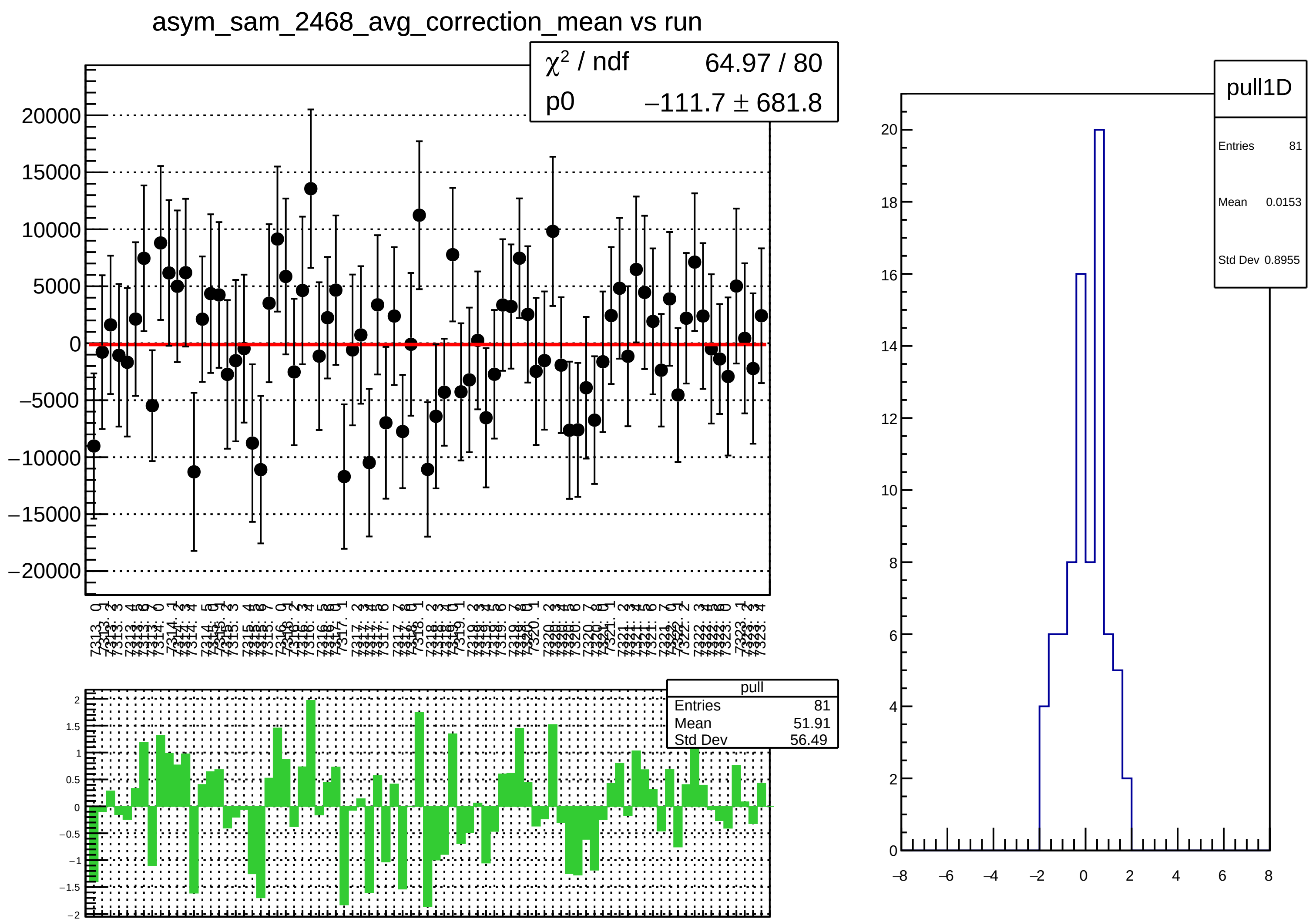
asym_sam_1357_avg_rms vs run
χ^2 / ndf 8423 / 80
p0 328.4 ± 0.2644
420
400
380
360
340
320
300
280



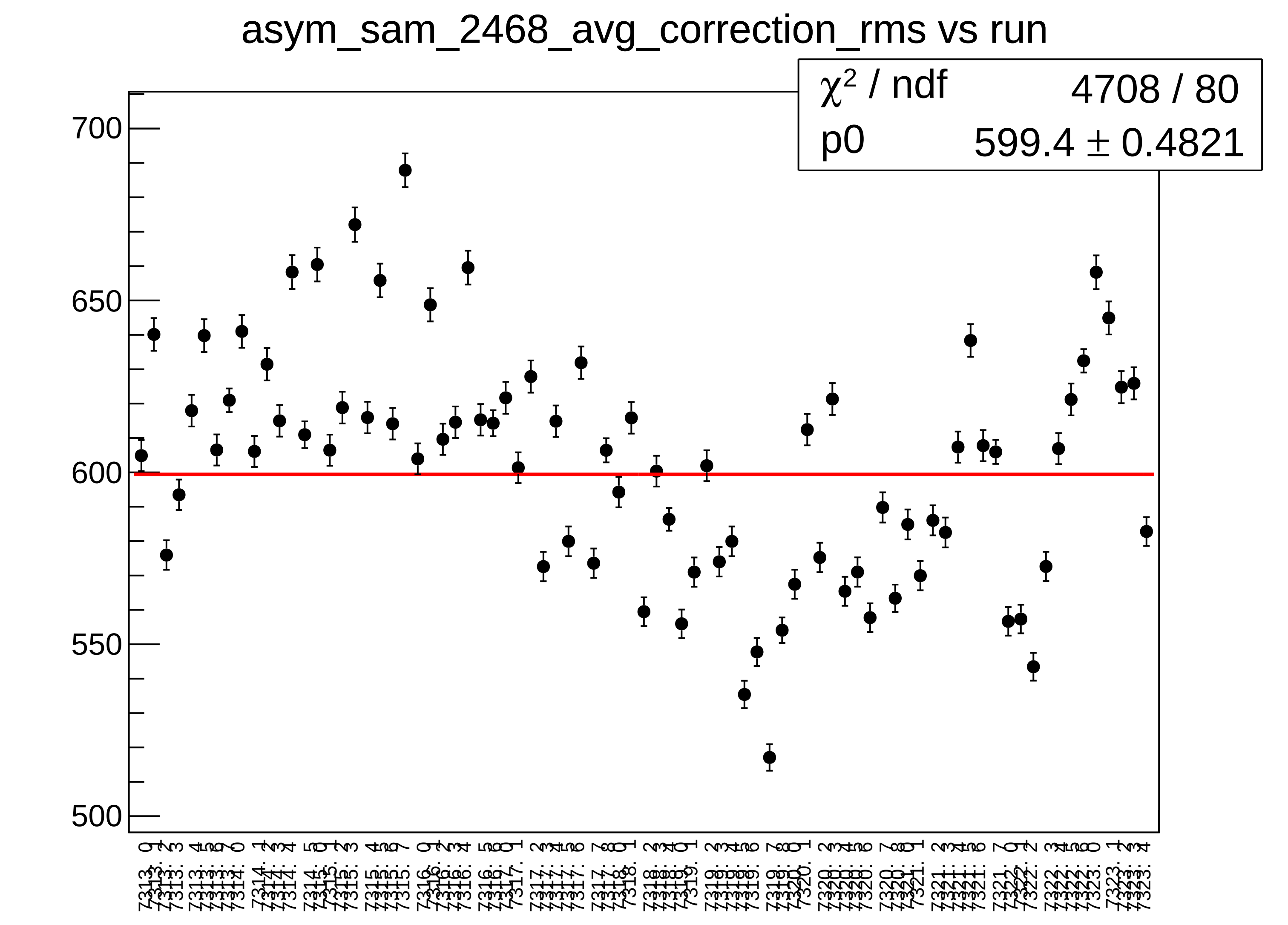
dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 89.23 / 80
p0 −19.22 ± 105.2
pull
Entries 81
Mean −10.83
Std Dev 30.24
pull1D
Entries 81
Mean 0.04506
Std Dev 1.049



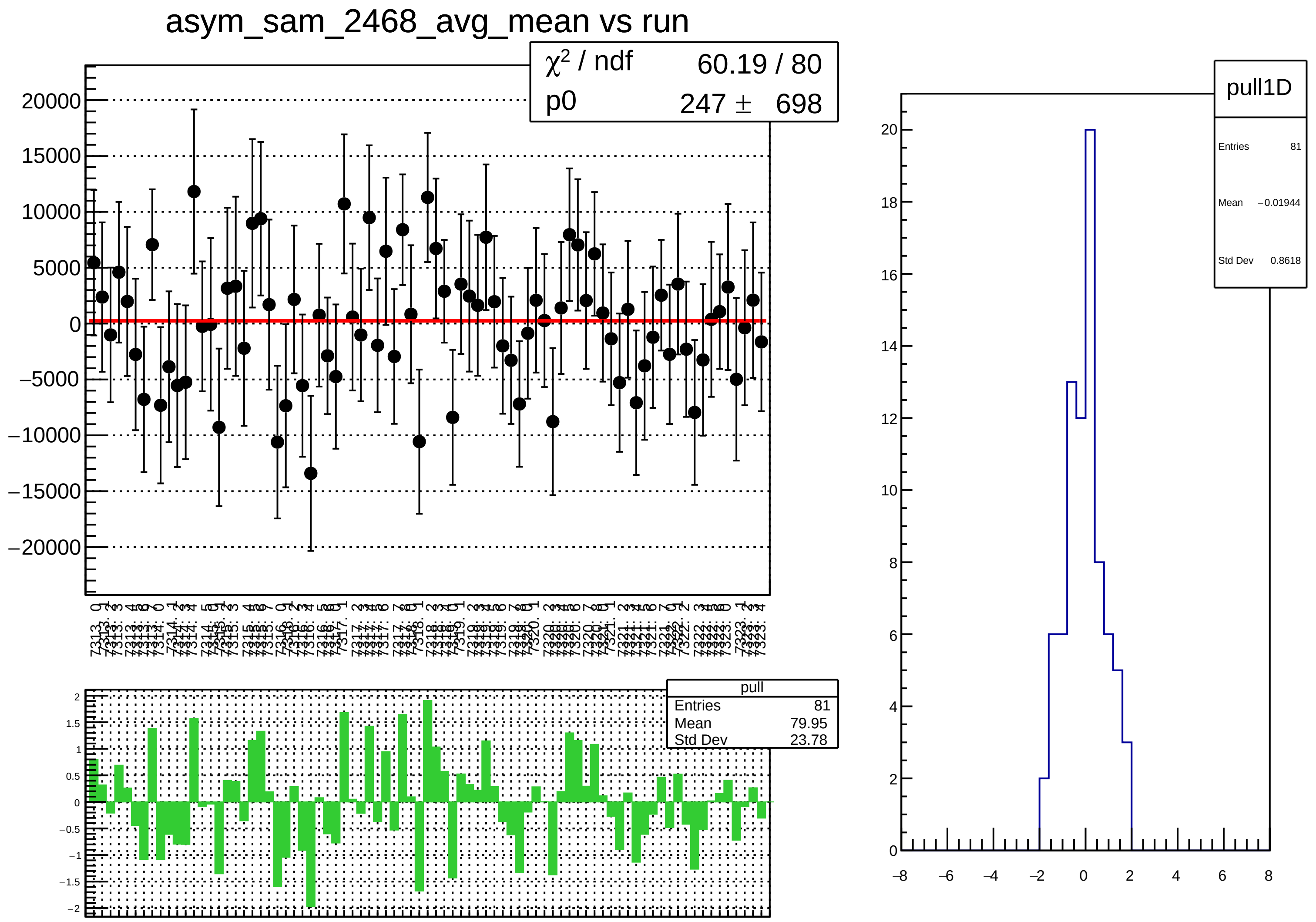
dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.263e+05 / 80
p0 88.78 ± 0.07439
220
200
180
160
140
120
100
80

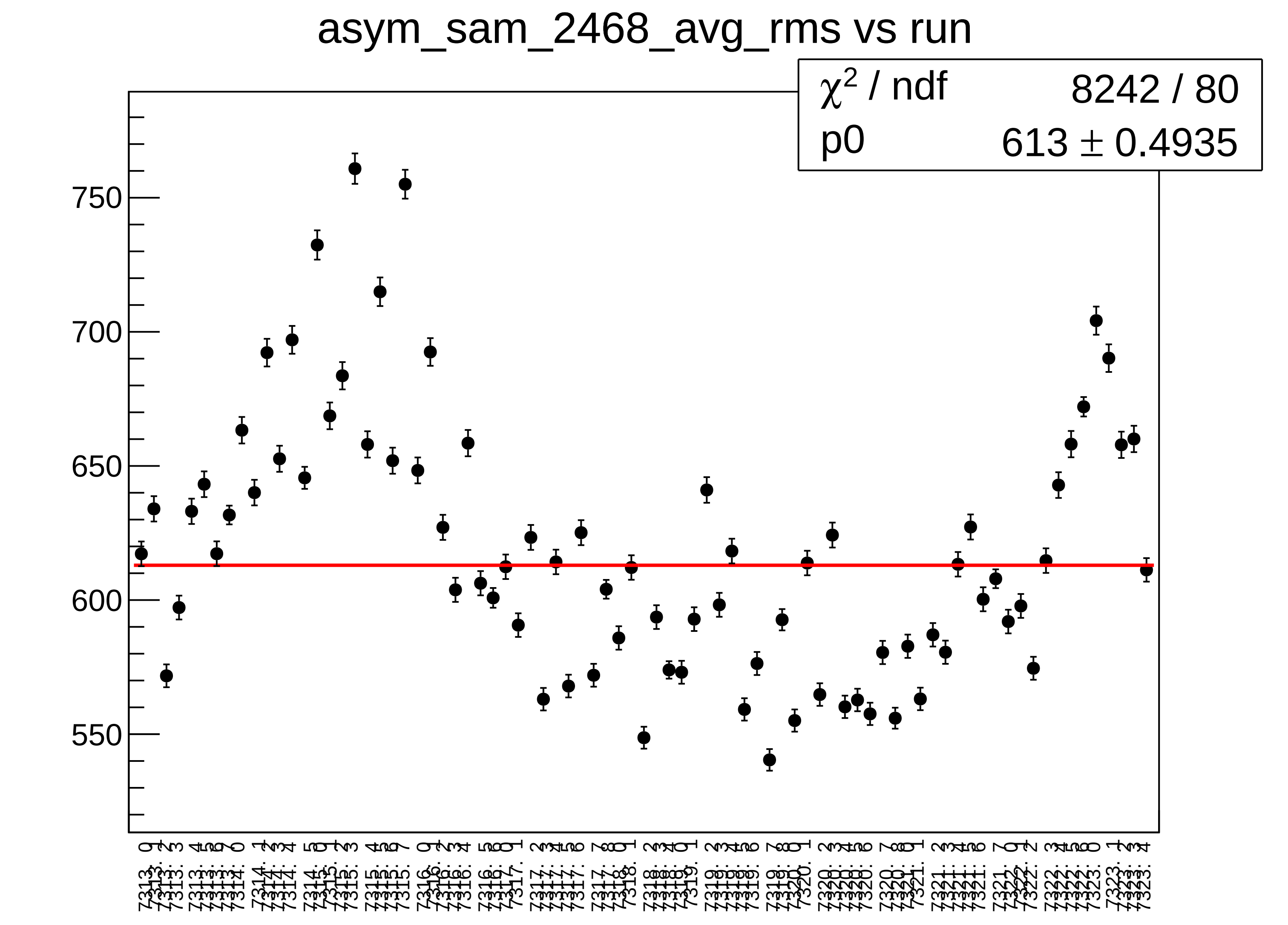


asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 64.97 / 80
p0 −111.7 ± 681.8
pull
Entries 81
Mean 51.91
Std Dev 56.49
pull1D
Entries 81
Mean 0.0153
Std Dev 0.8955

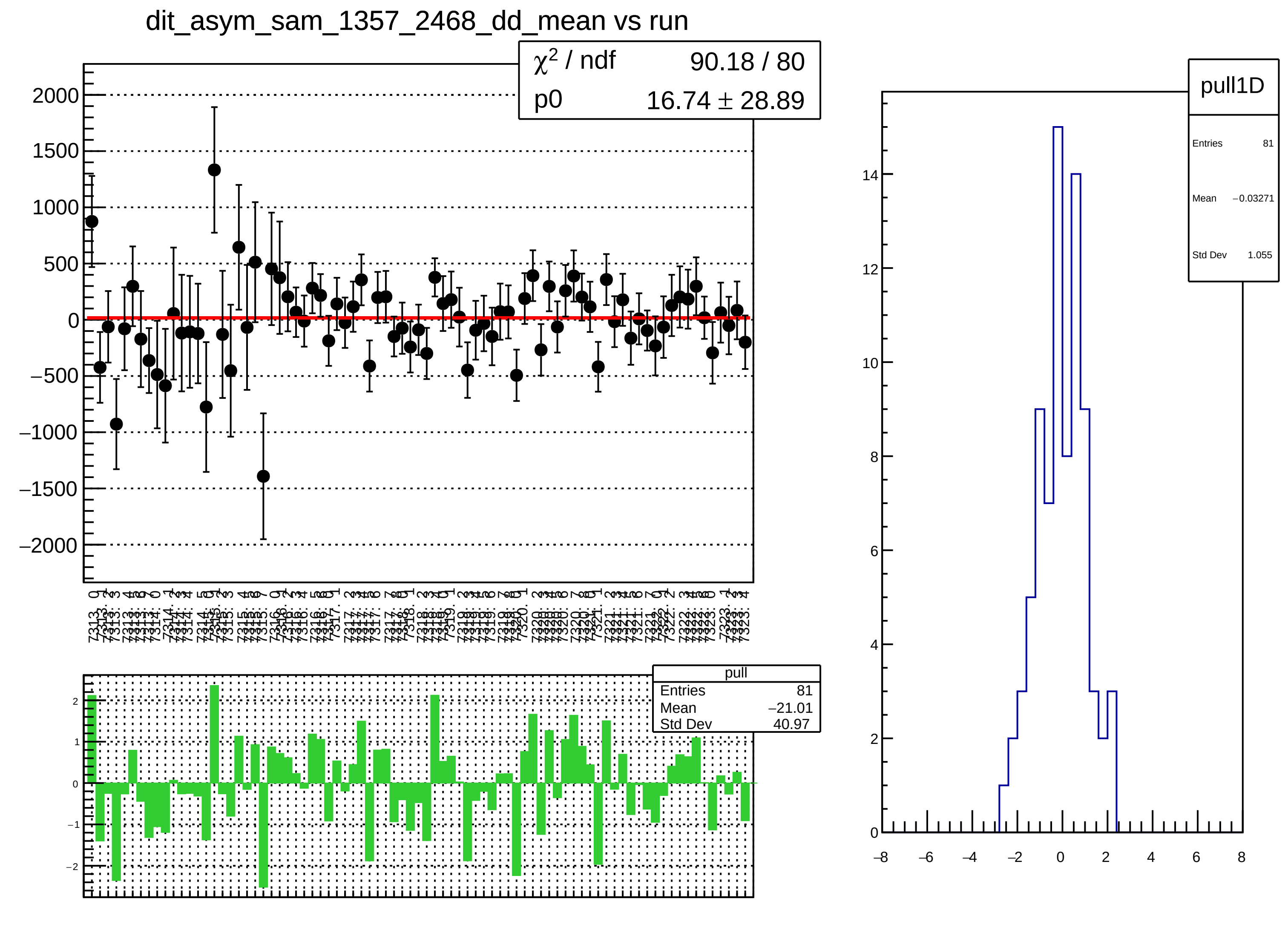


asym_sam_2468_avg_correction_rms vs run
χ2 / ndf 4708 / 80
p0 599.4 ± 0.4821

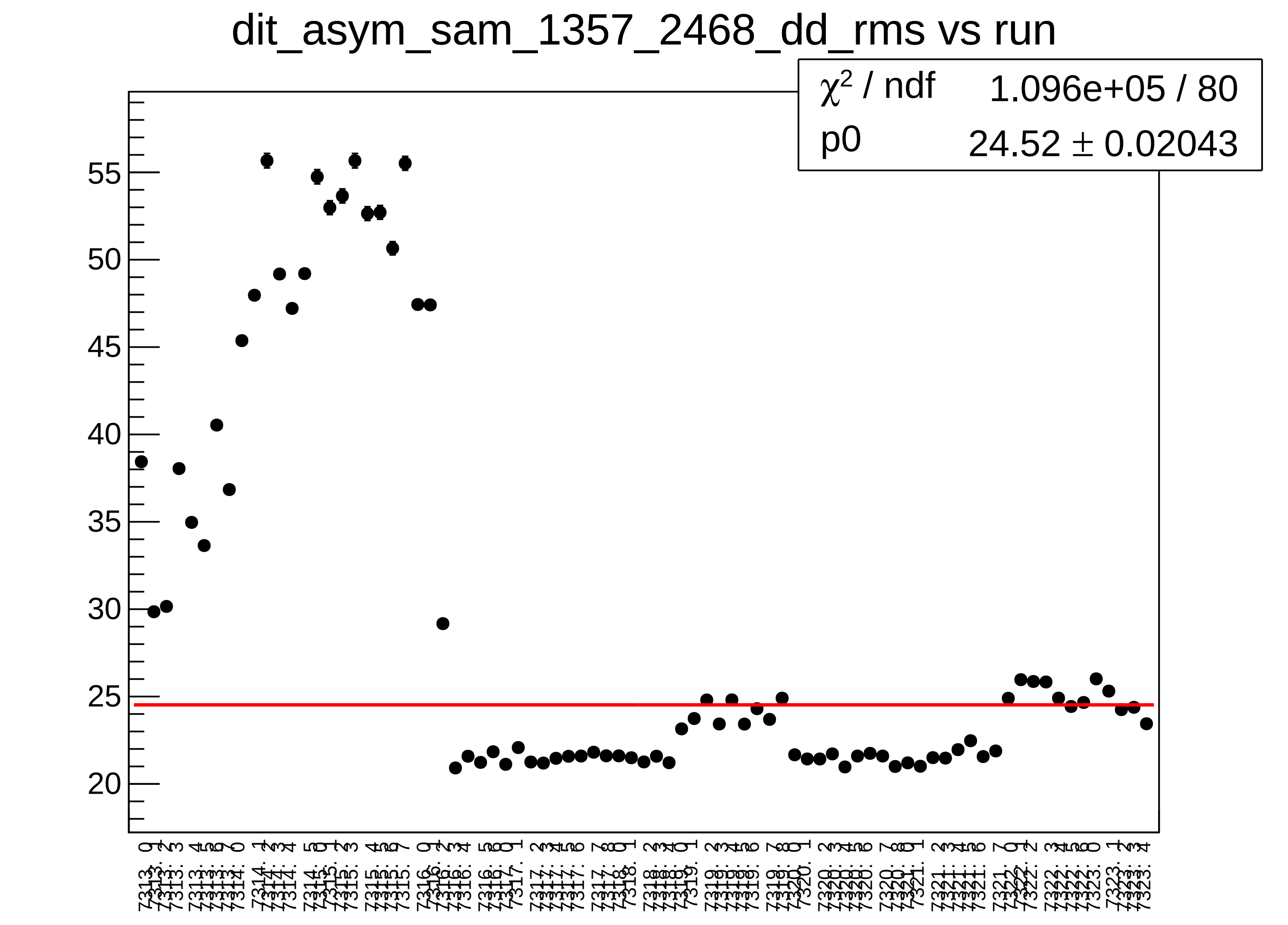

asym_sam_2468_avg_mean vs run
χ2 / ndf 60.19 / 80
p0 247 ± 698
pull
Entries 81
Mean 79.95
Std Dev 23.78
pull1D
Entries 81
Mean −0.01944
Std Dev 0.8618



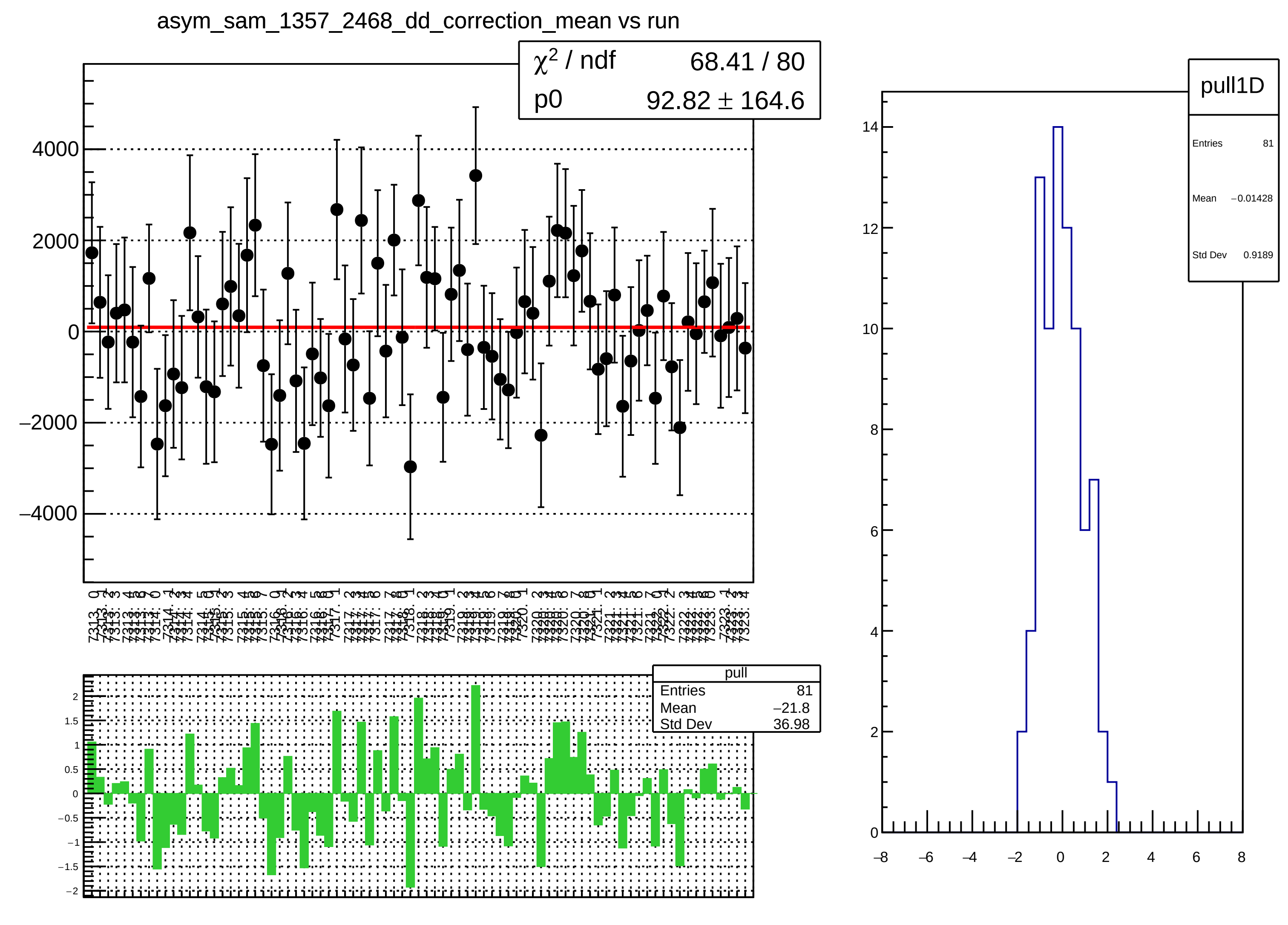
asym_sam_2468_avg_rms vs run
χ^2 / ndf 8242 / 80
p0 613 ± 0.4935
750
700
650
600
550



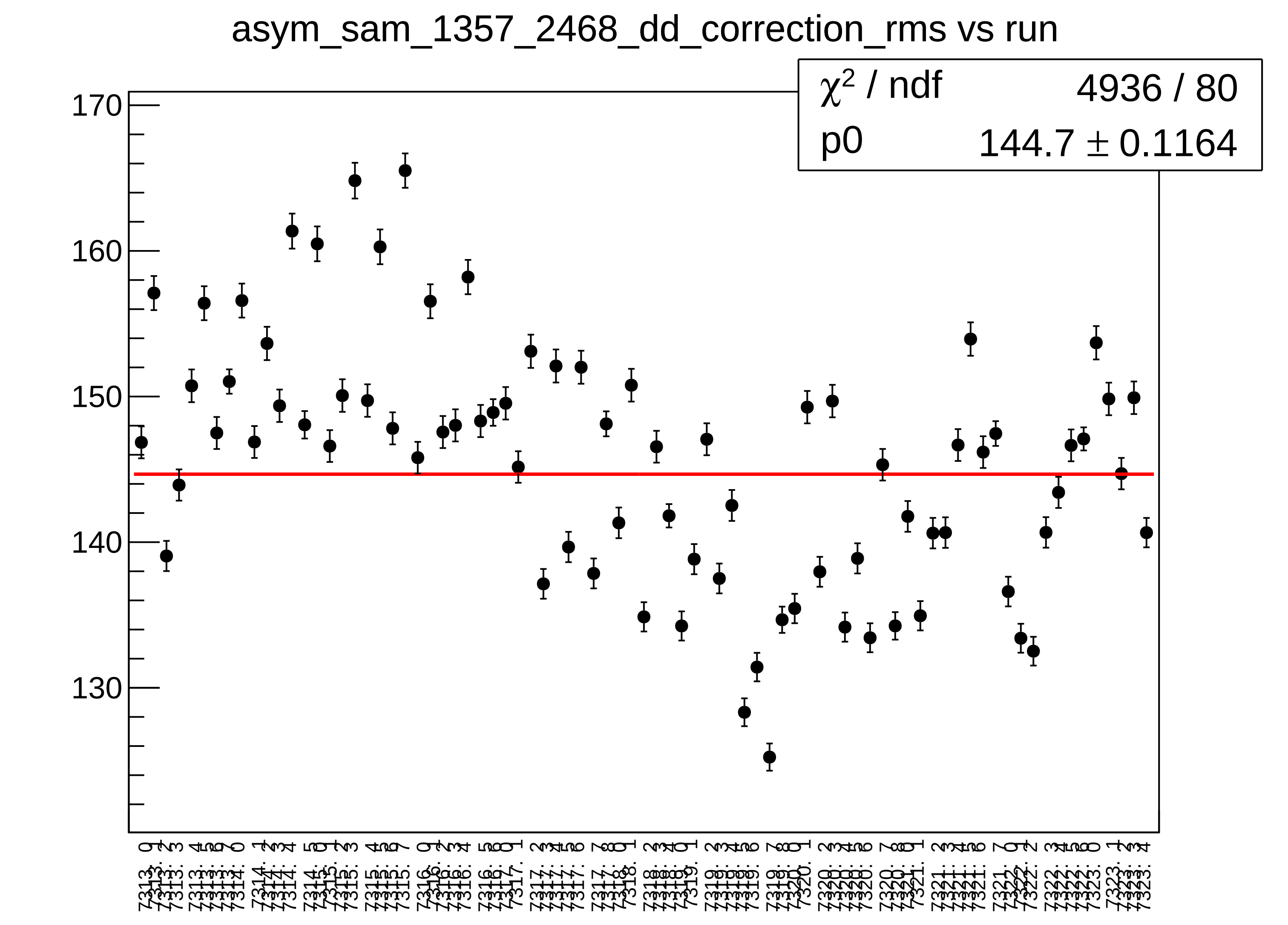
dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 90.18 / 80
p0 16.74 ± 28.89
pull
Entries 81
Mean −21.01
Std Dev 40.97
pull1D
Entries 81
Mean −0.03271
Std Dev 1.055



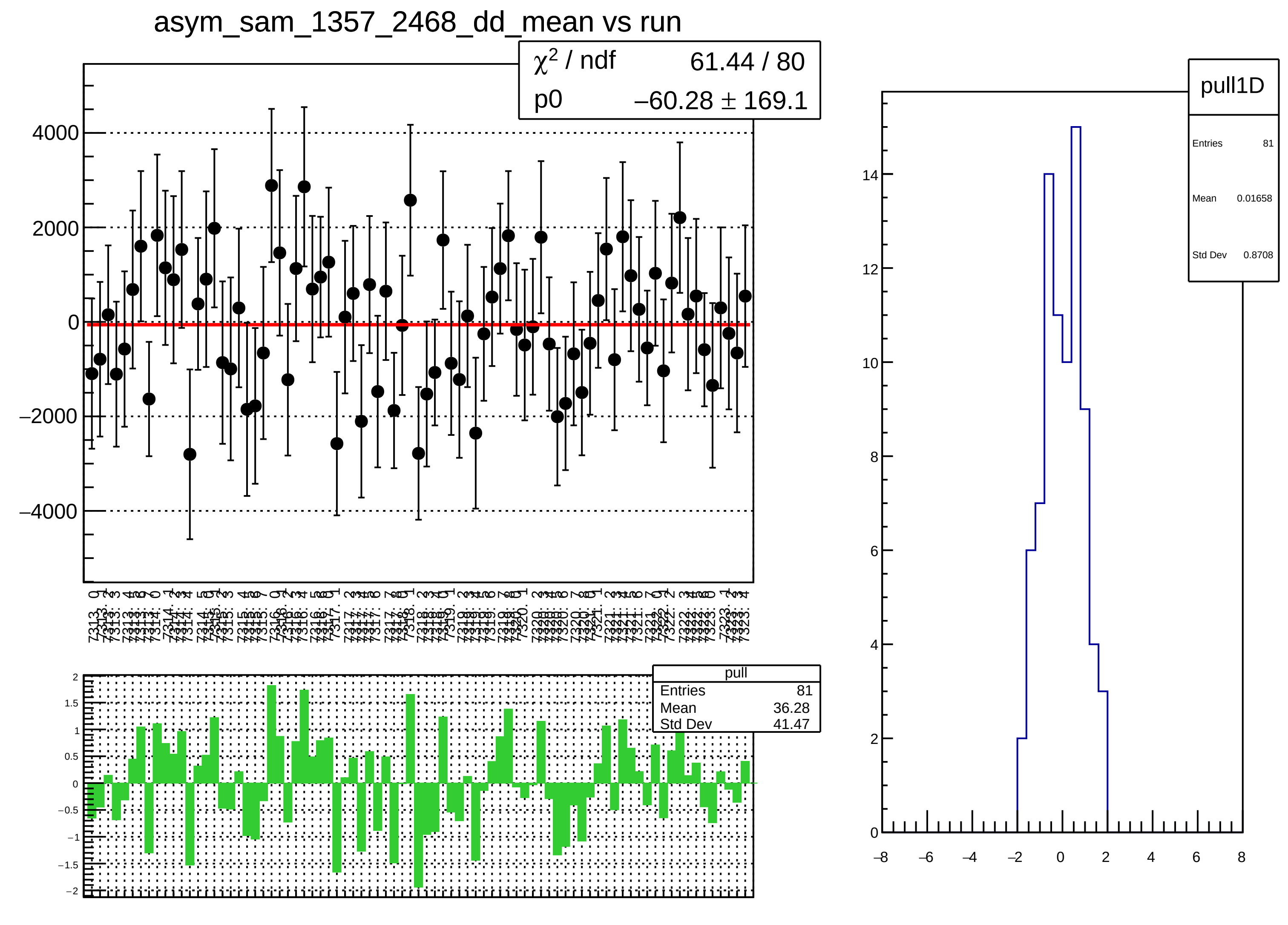
dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.096e+05 / 80
p0 24.52 ± 0.02043



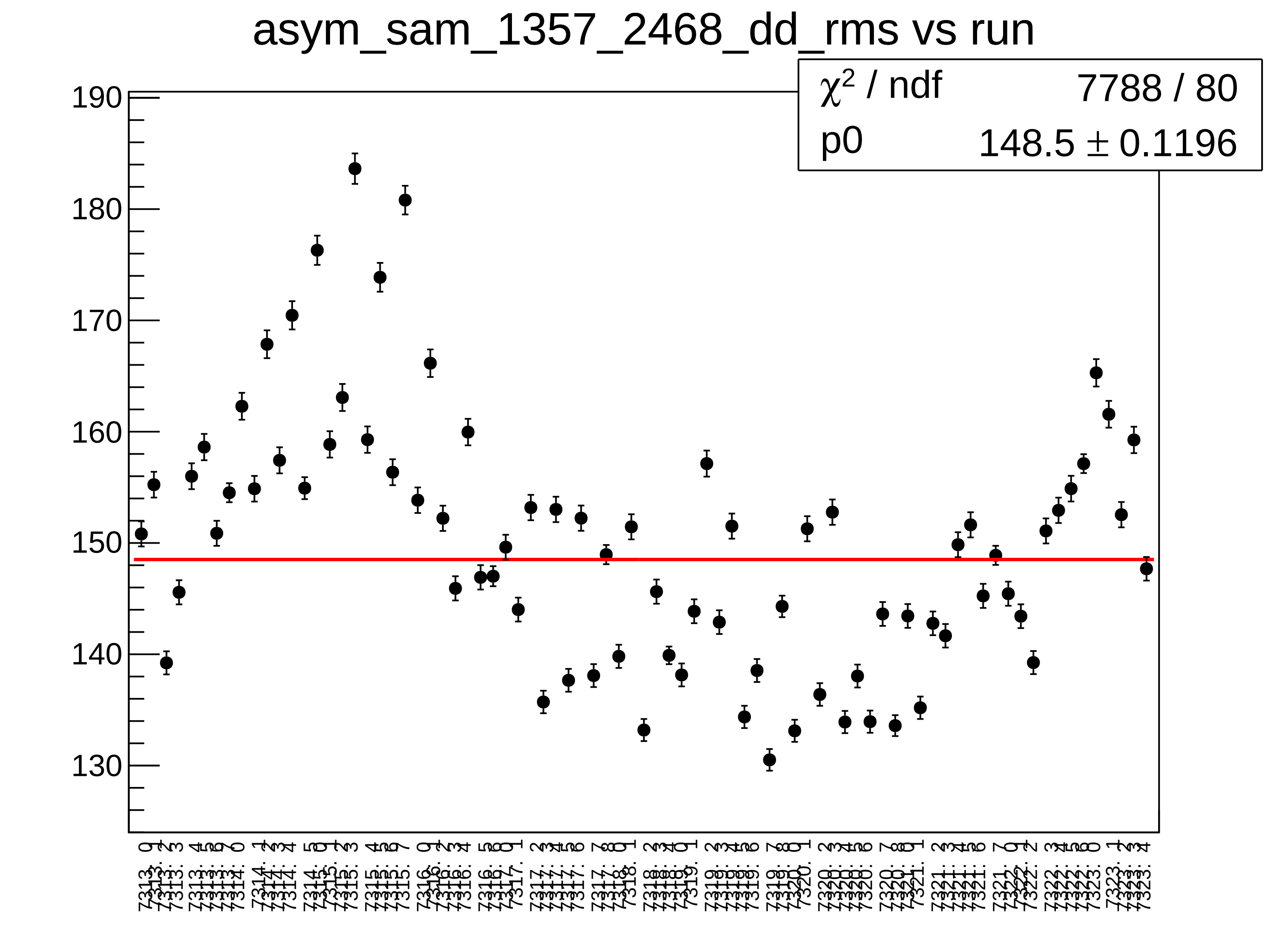
asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 68.41 / 80
p0 92.82 ± 164.6
pull
Entries 81
Mean −21.8
Std Dev 36.98
pull1D
Entries 81
Mean −0.01428
Std Dev 0.9189



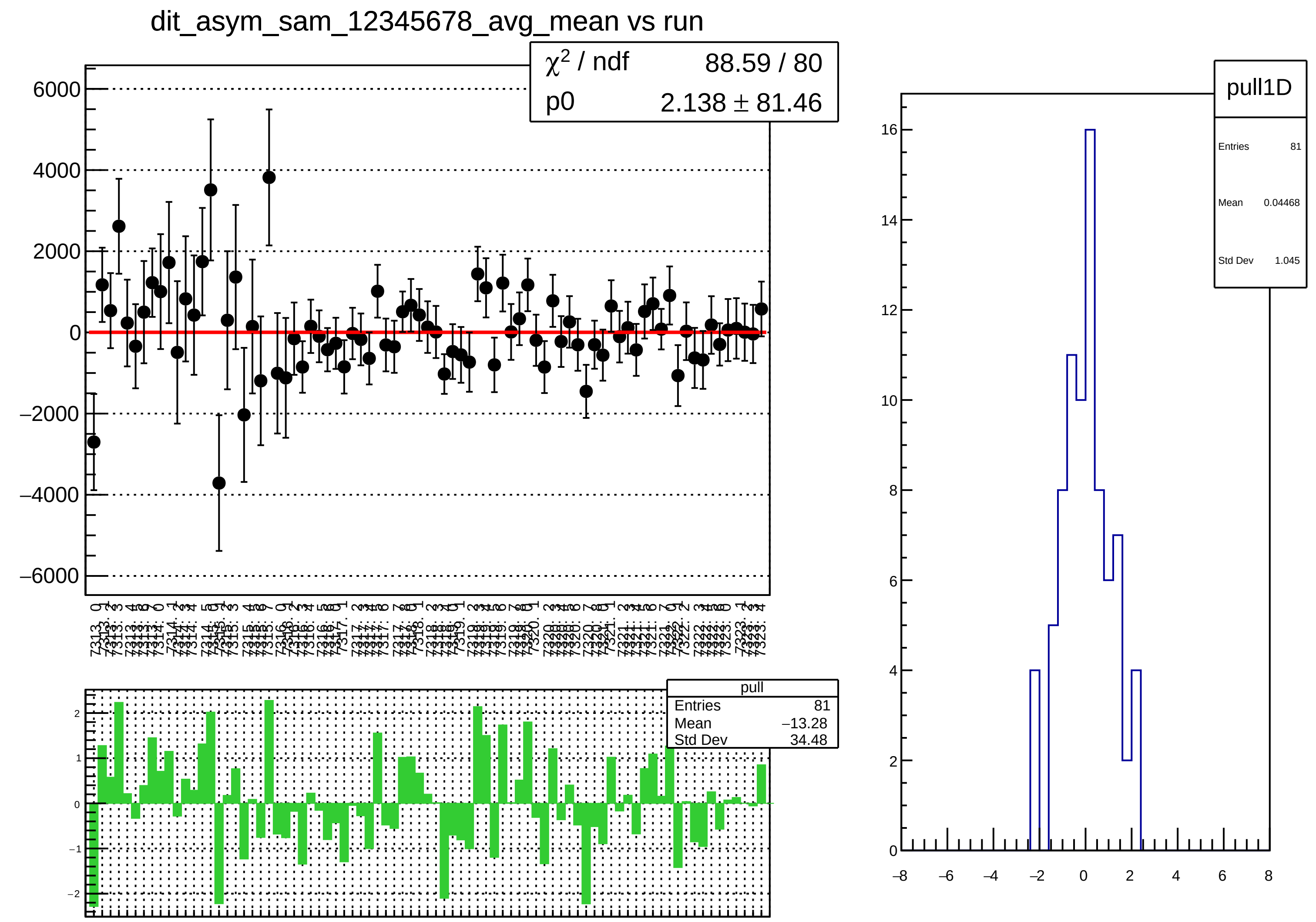
asym_sam_1357_2468_dd_correction_rms vs run
χ2 / ndf 4936 / 80
p0 144.7 ± 0.1164
170
160
150
140
130



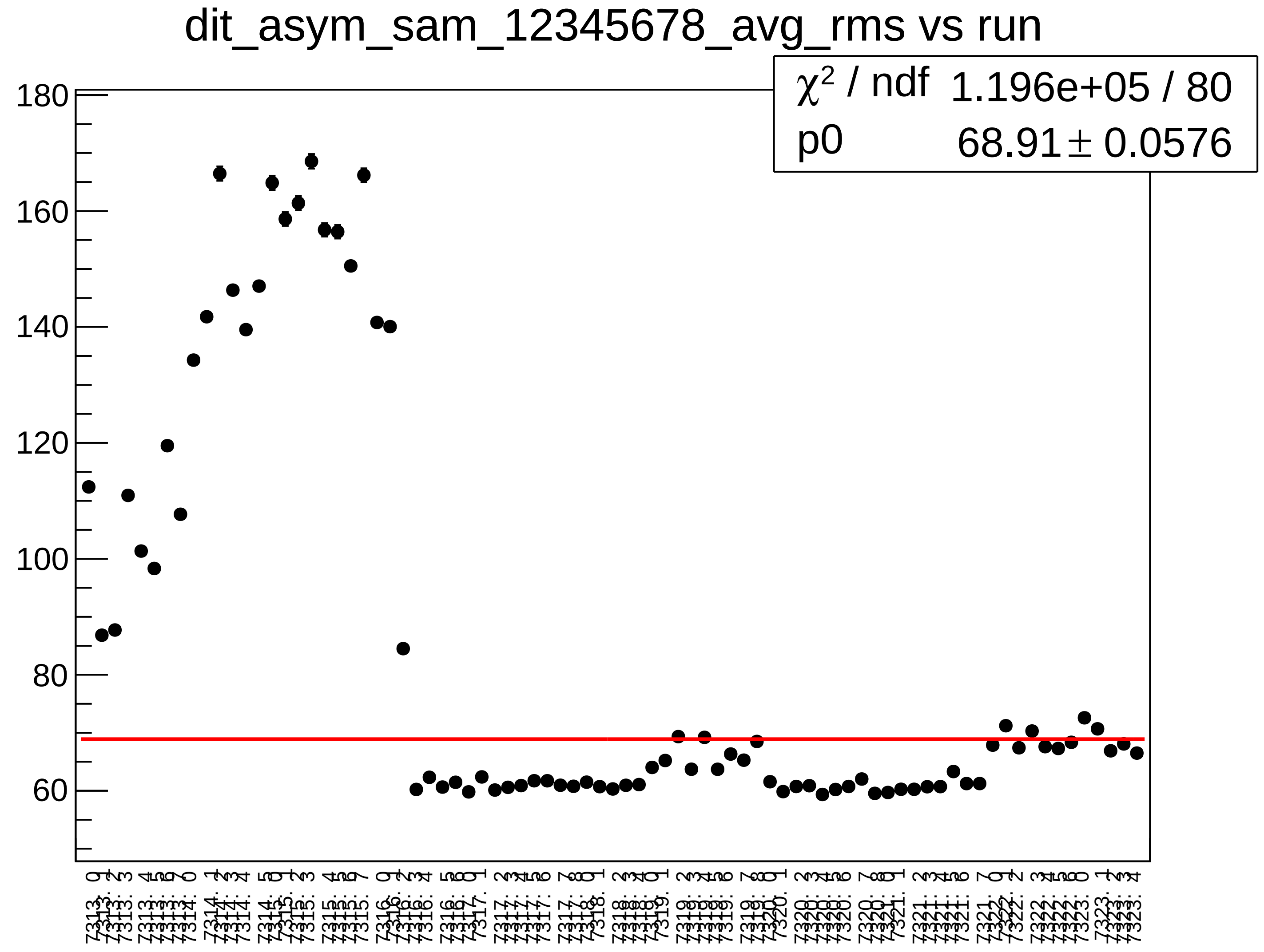
asym_sam_1357_2468_dd_mean vs run
χ2 / ndf 61.44 / 80
p0 −60.28 ± 169.1
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 36.28
Std Dev 41.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.01658
Std Dev 0.8708
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

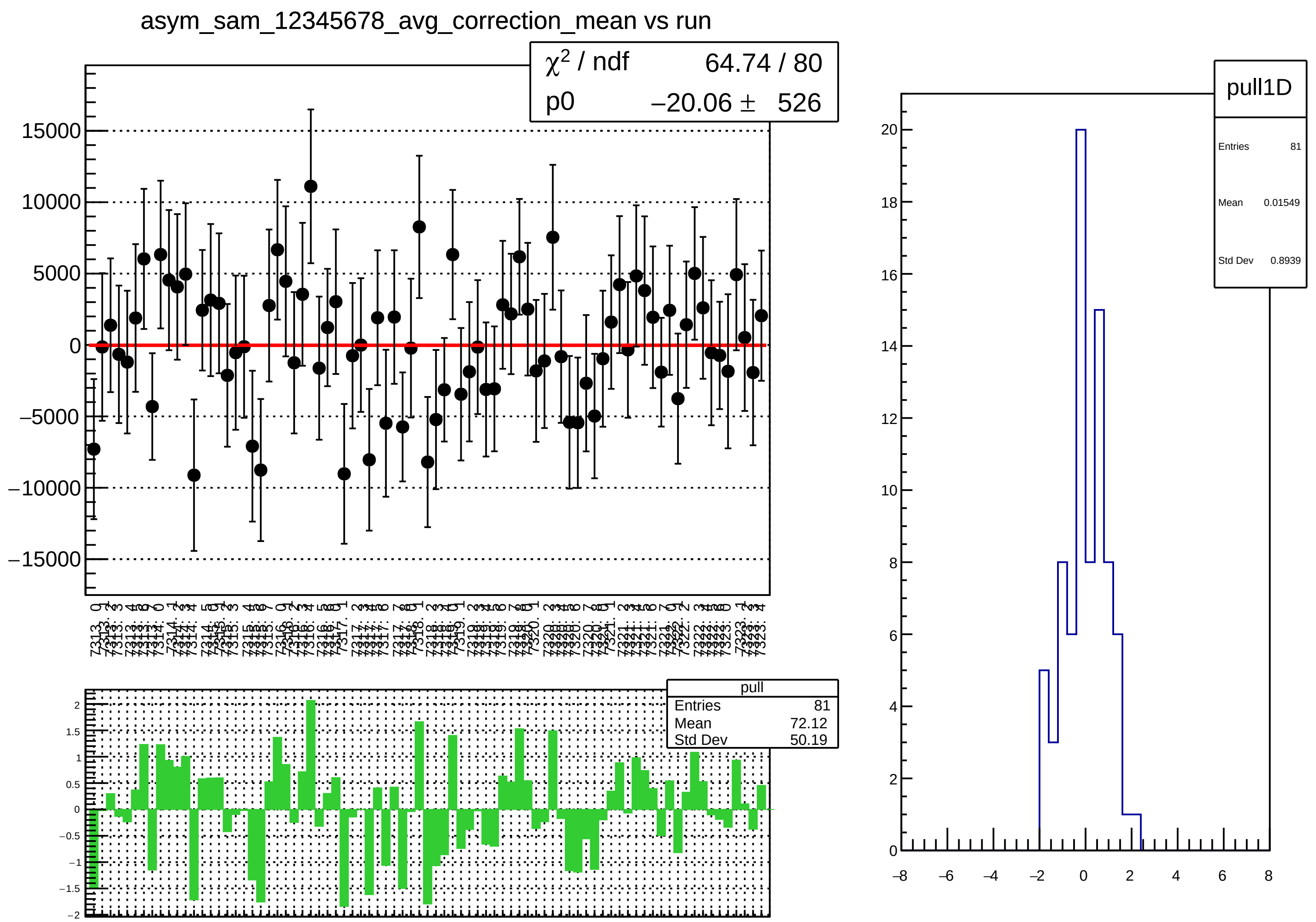


asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 7788 / 80
p0 148.5 ± 0.1196
190
180
170
160
150
140
130

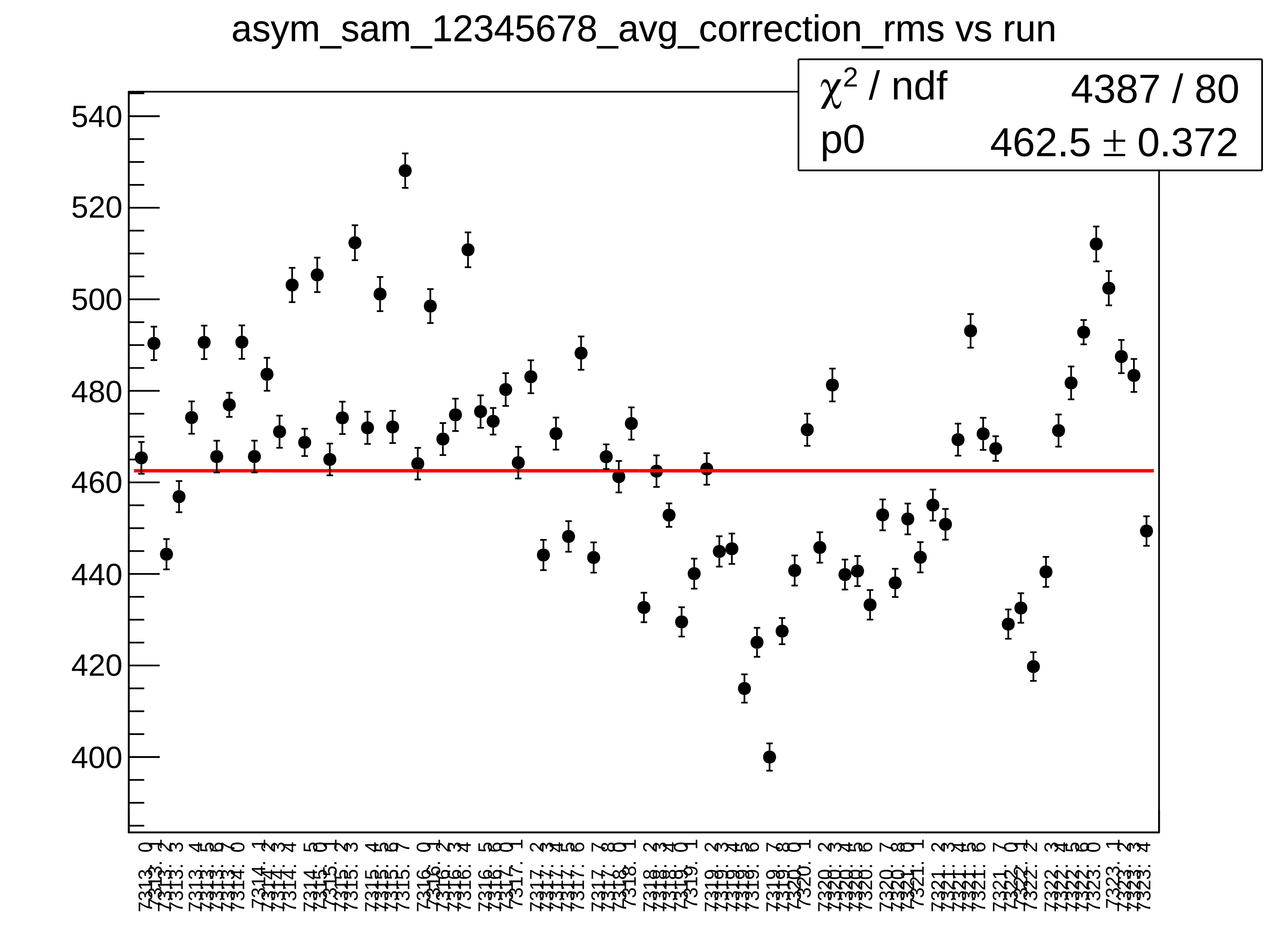


dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 88.59 / 80
p0 2.138 ± 81.46
pull
Entries 81
Mean −13.28
Std Dev 34.48
pull1D
Entries 81
Mean 0.04468
Std Dev 1.045

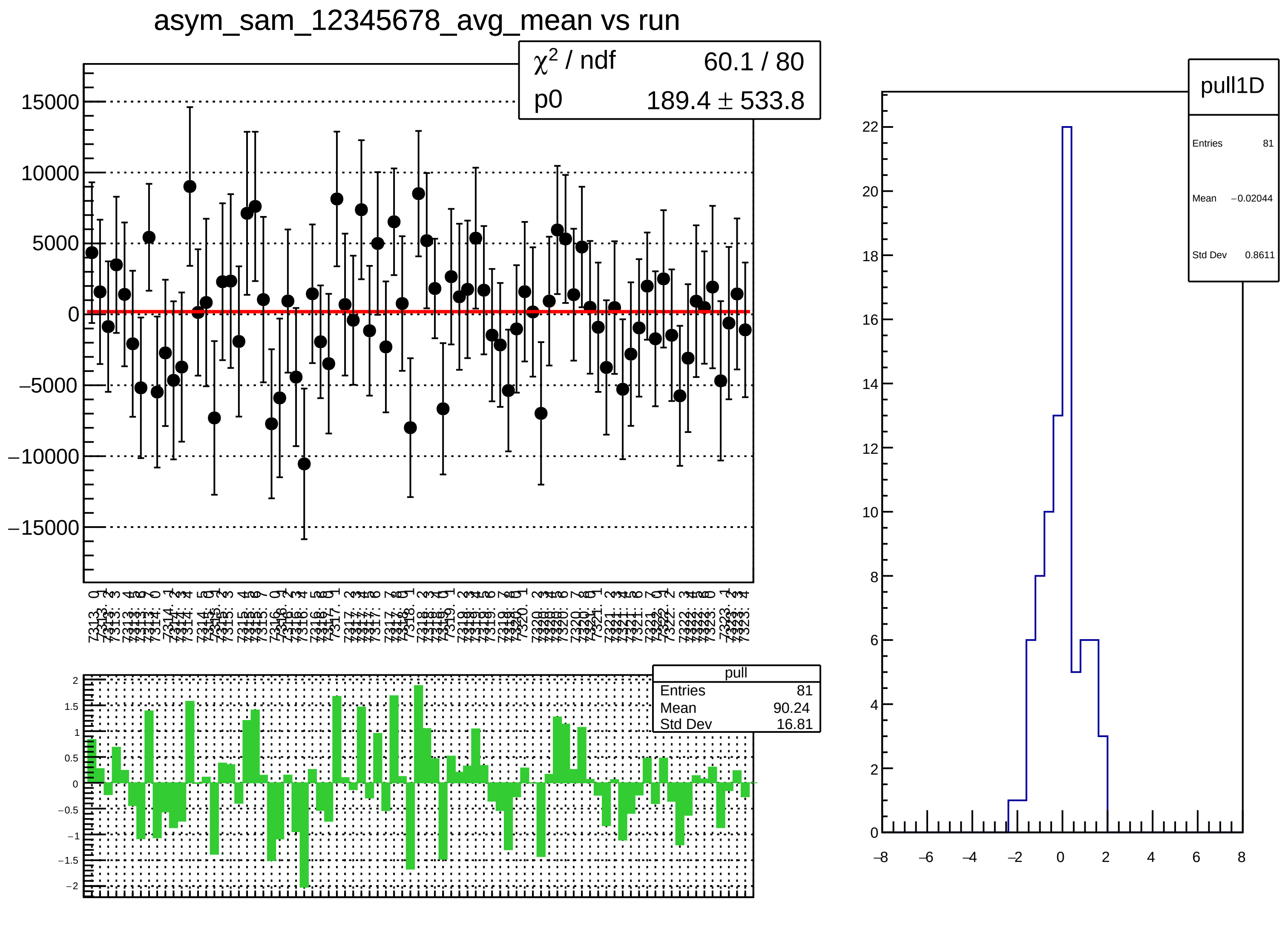

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.196e+05 / 80
p0 68.91 ± 0.0576
180
160
140
120
100
80
60



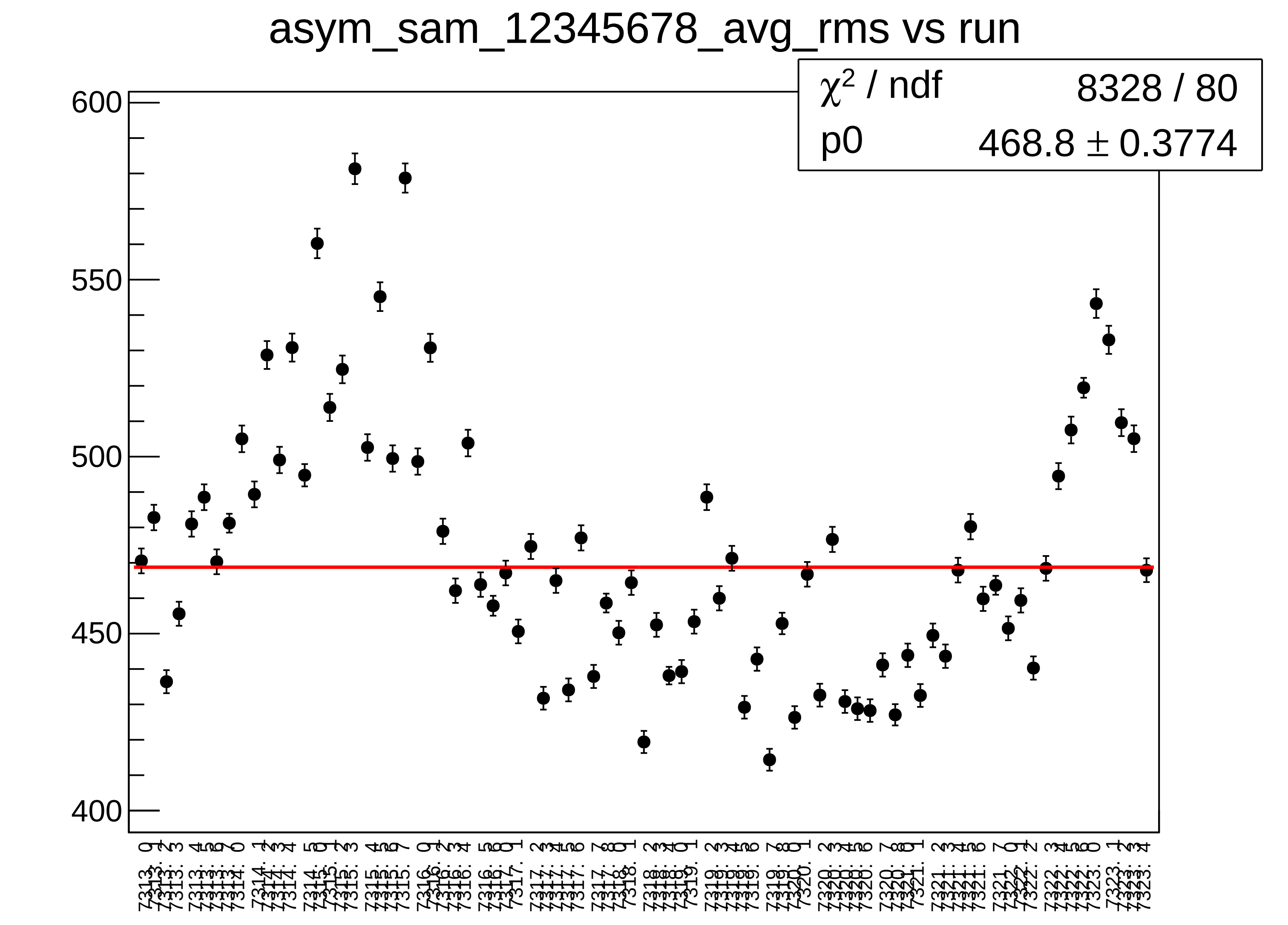
asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 64.74 / 80
p0 −20.06 ± 526
pull
Entries 81
Mean 72.12
Std Dev 50.19
pull1D
Entries 81
Mean 0.01549
Std Dev 0.8939



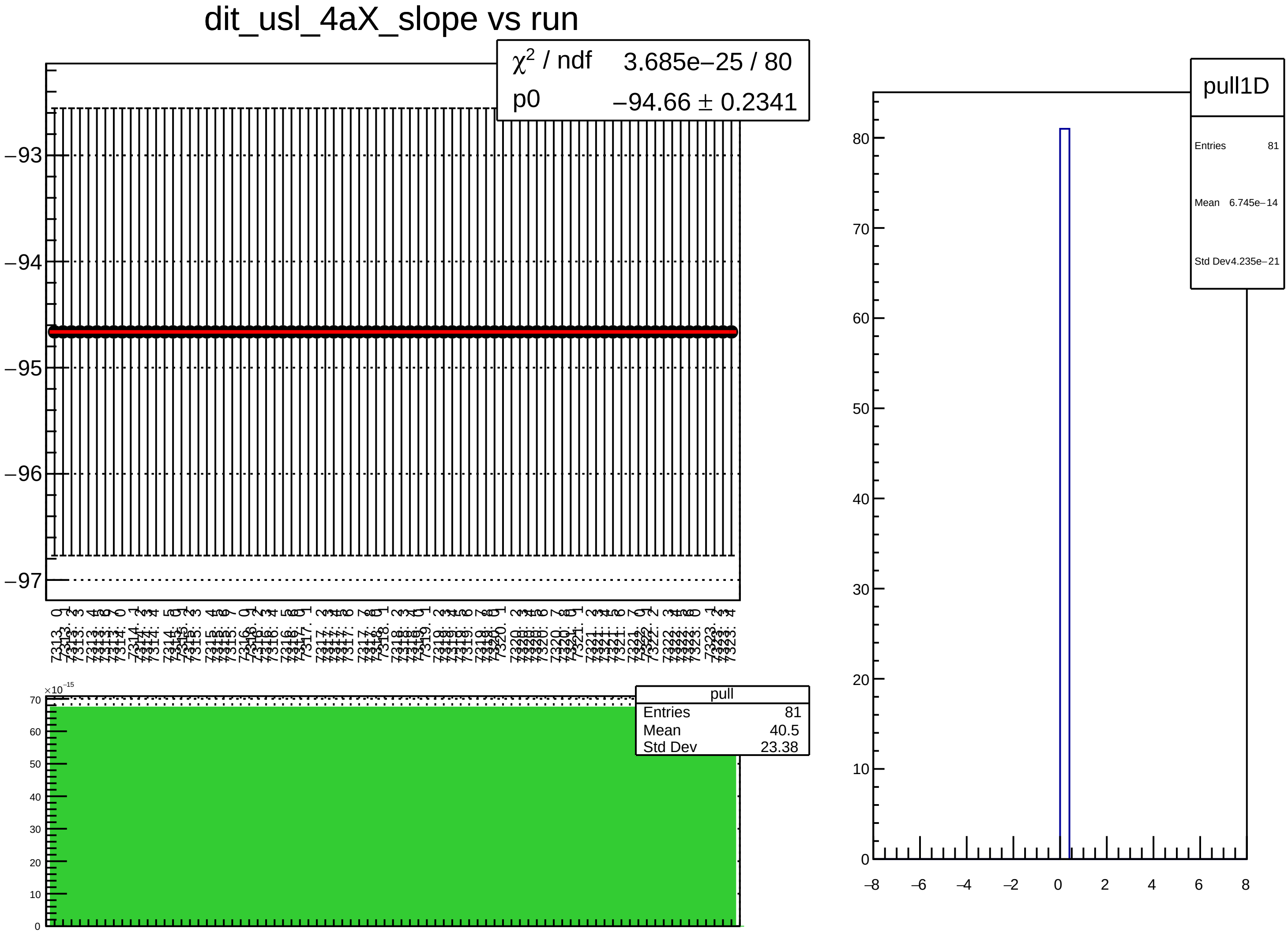
asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 4387 / 80
p0 462.5 ± 0.372
540
520
500
480
460
440
420
400



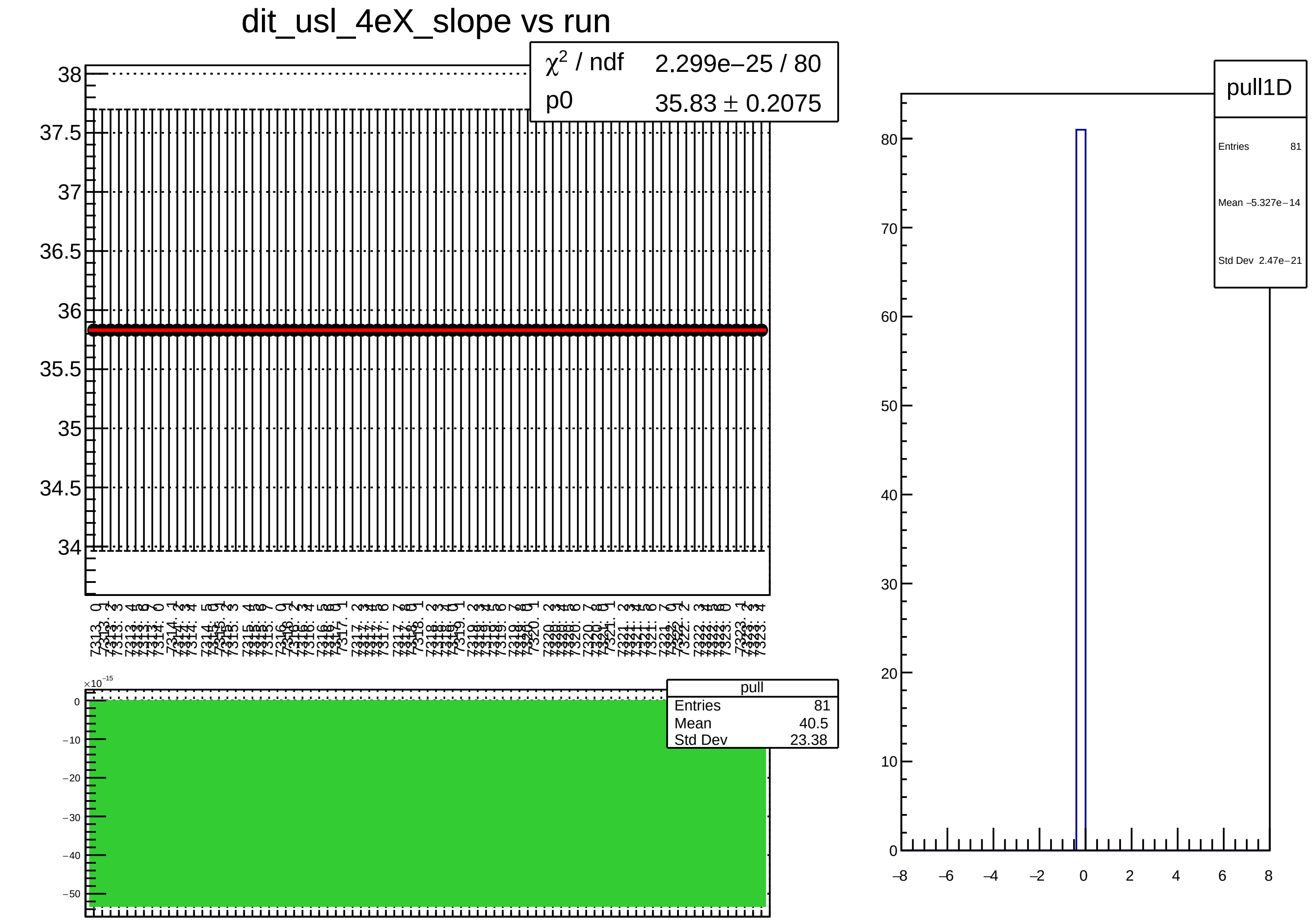
asym_sam_12345678_avg_mean vs run
χ2 / ndf 60.1 / 80
p0 189.4 ± 533.8
pull
Entries 81
Mean 90.24
Std Dev 16.81
pull1D
Entries 81
Mean −0.02044
Std Dev 0.8611



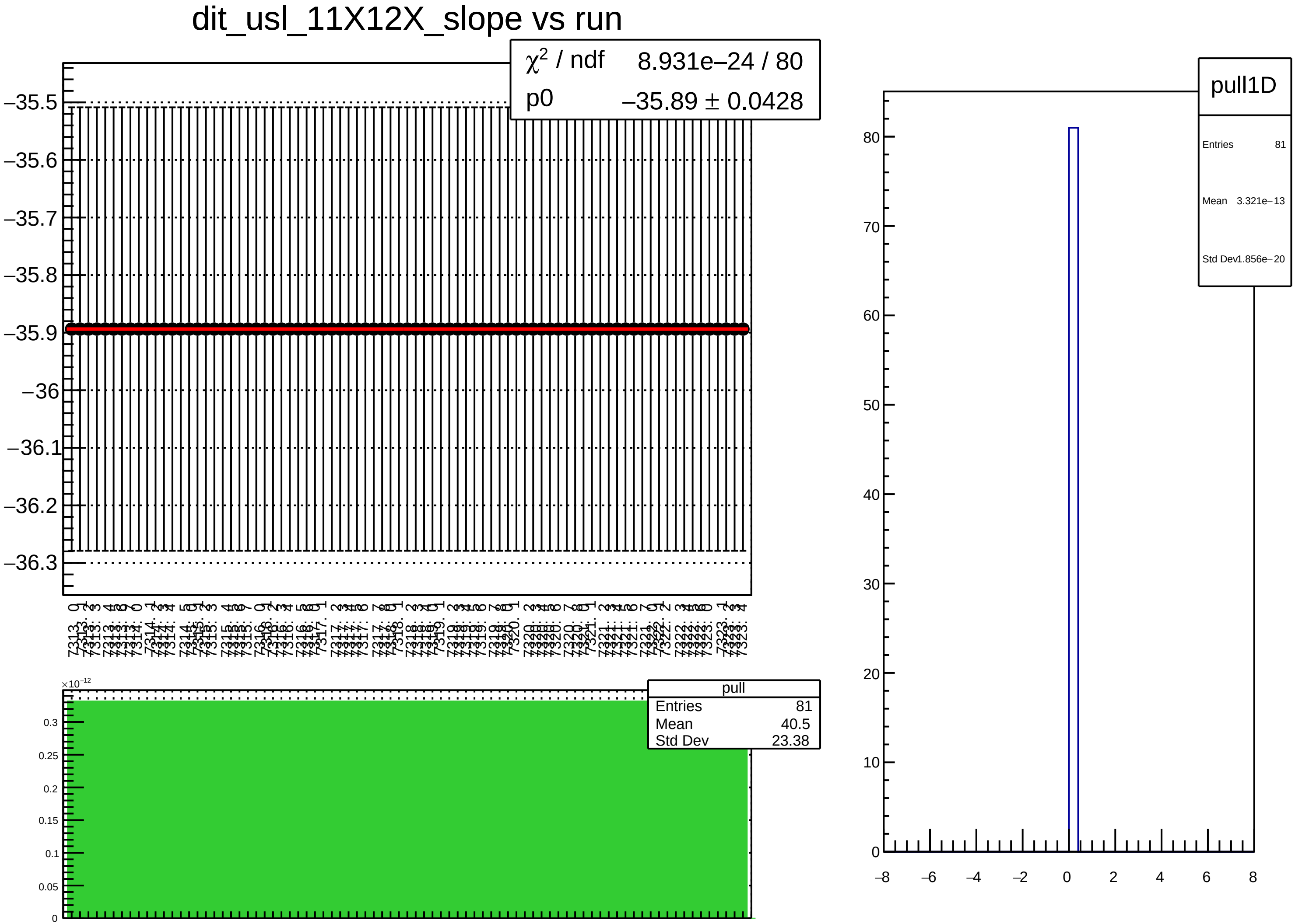
asym_sam_12345678_avg_rms vs run
χ^2 / ndf 8328 / 80
p0 468.8 ± 0.3774
600
550
500
450
400



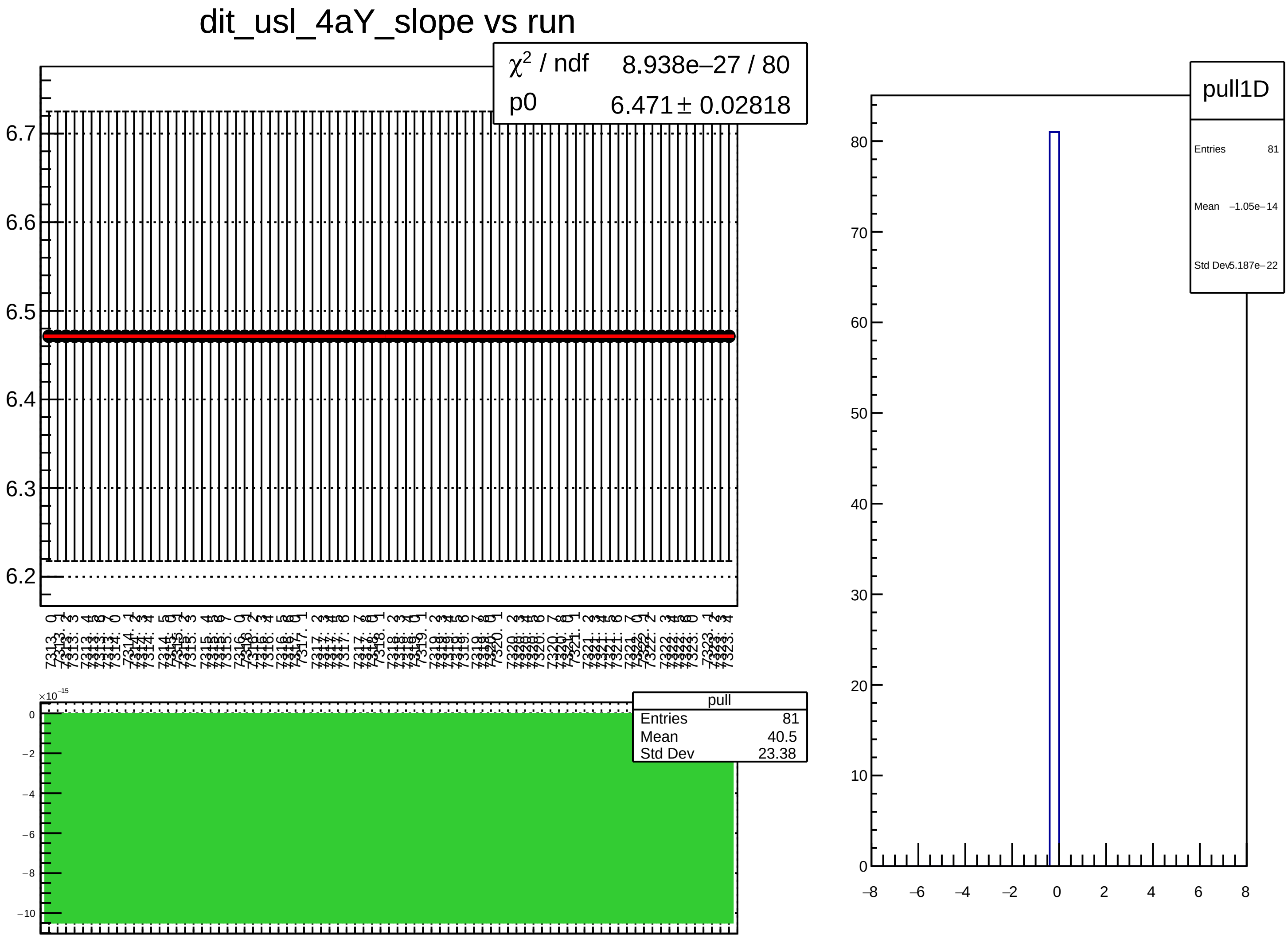
dit_usl_4aX_slope vs run
χ^2 / ndf 3.685e−25 / 80
p0 −94.66 ± 0.2341
−93
−94
−95
−96
−97
×10^−15
70
60
50
40
30
20
10
0
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 6.745e−14
Std Dev 4.235e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



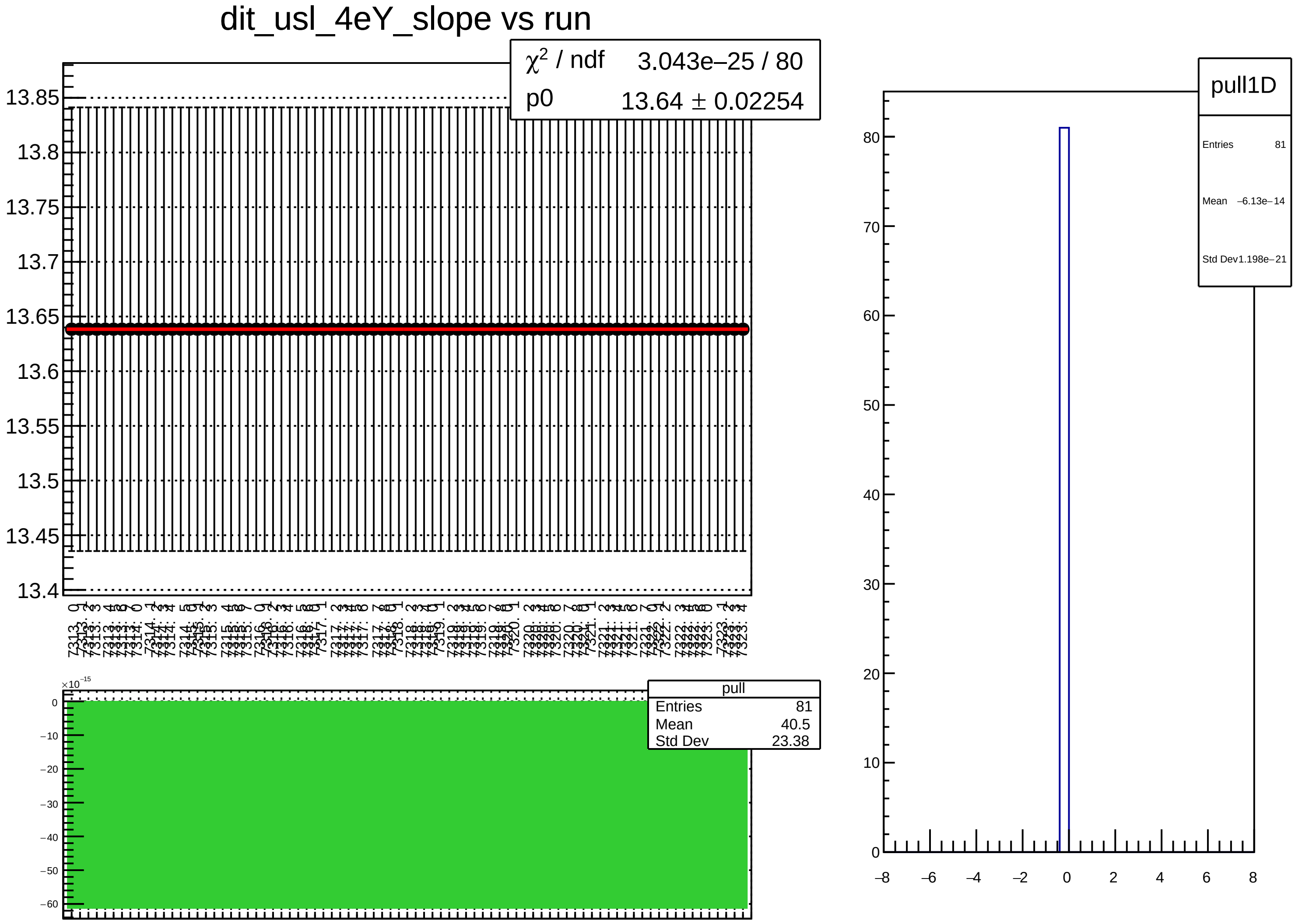
dit_usl_4eX_slope vs run
χ2 / ndf 2.299e−25 / 80
p0 35.83 ± 0.2075
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −5.327e−14
Std Dev 2.47e−21

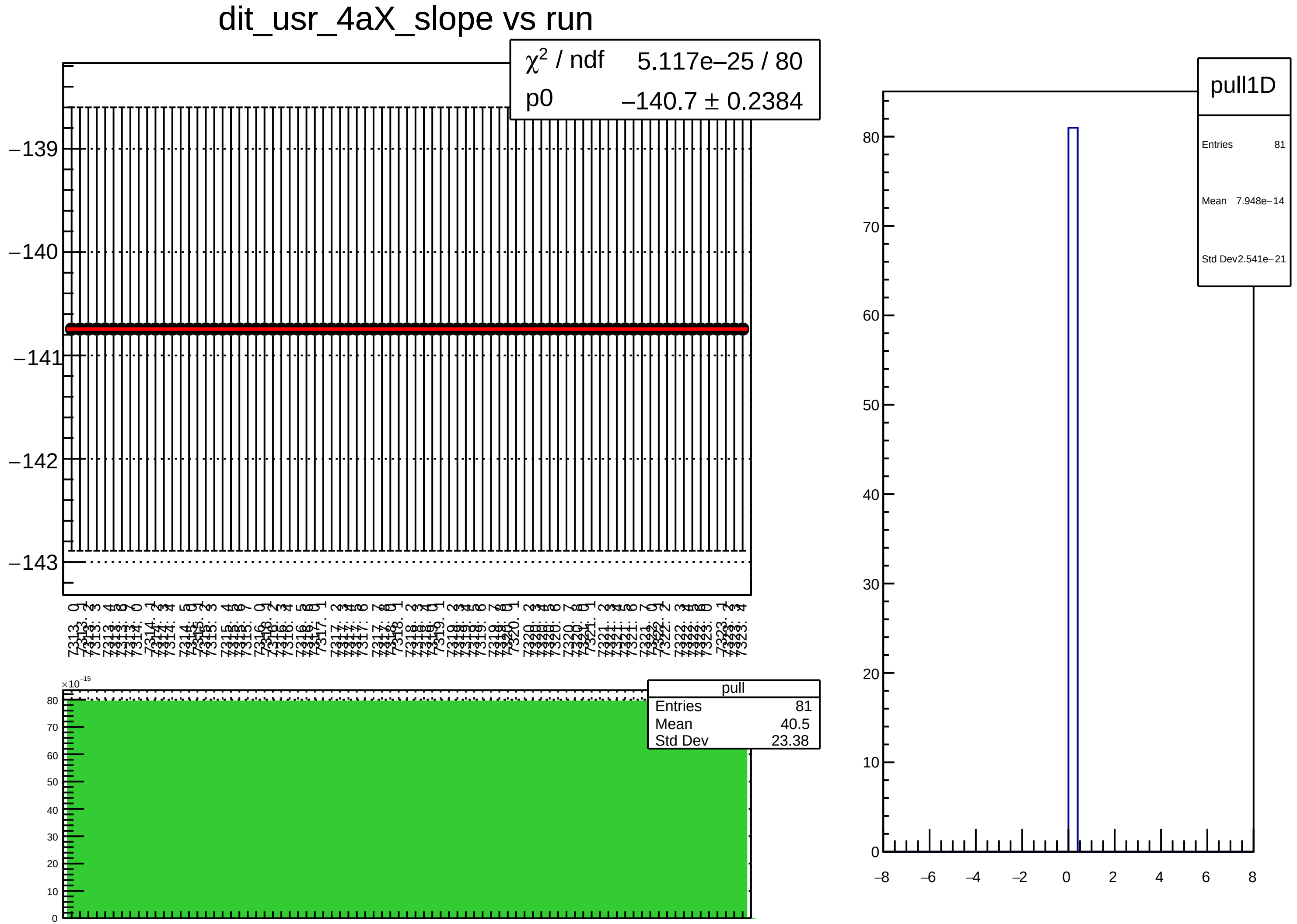


dit_usl_11X12X_slope vs run
χ^2 / ndf 8.931e−24 / 80
p0 −35.89 ± 0.0428
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 3.321e−13
Std Dev 1.856e−20

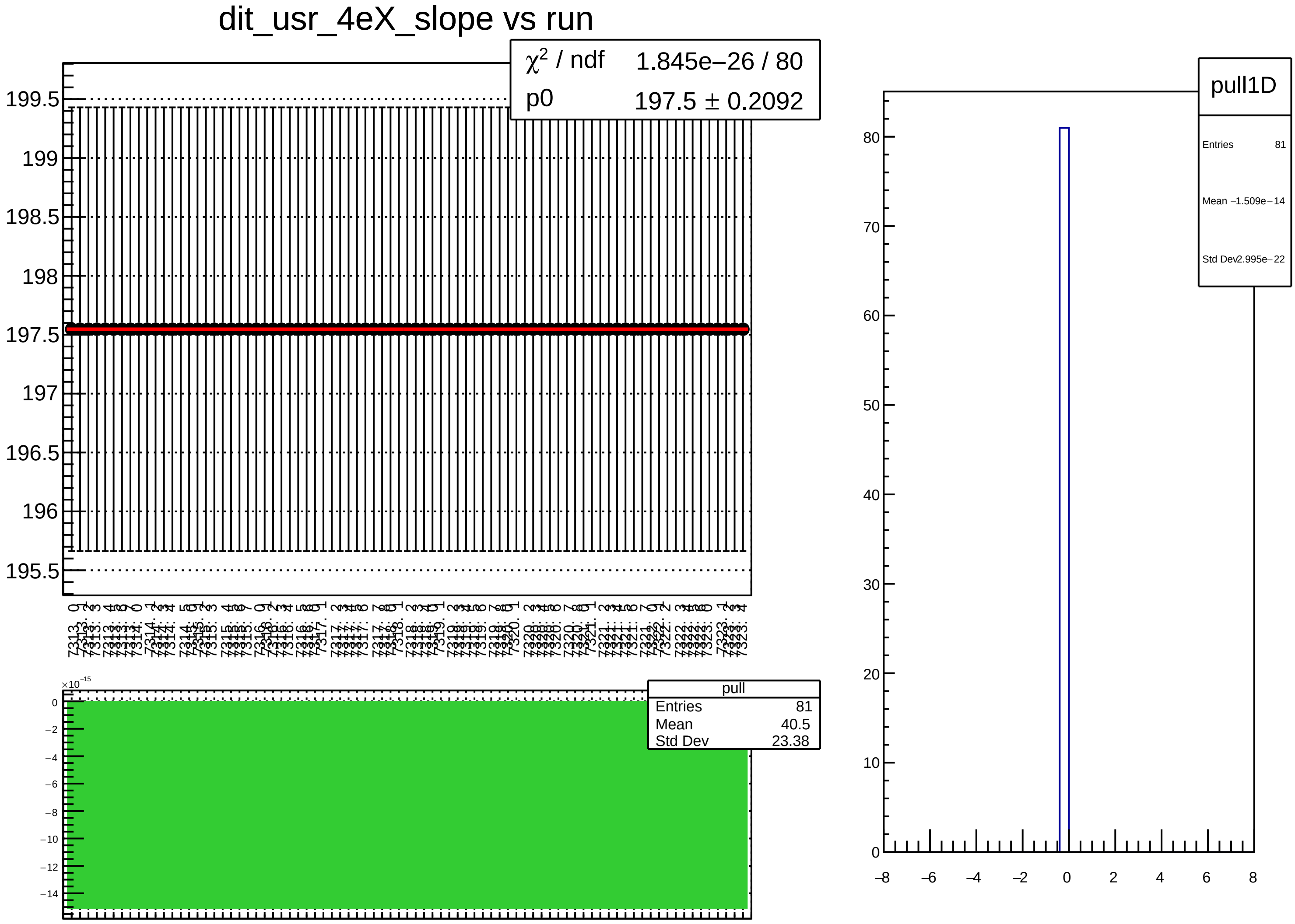


dit_usl_4aY_slope vs run
χ^2 / ndf 8.938e−27 / 80
p0 6.471 ± 0.02818
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.05e−14
Std Dev 5.187e−22

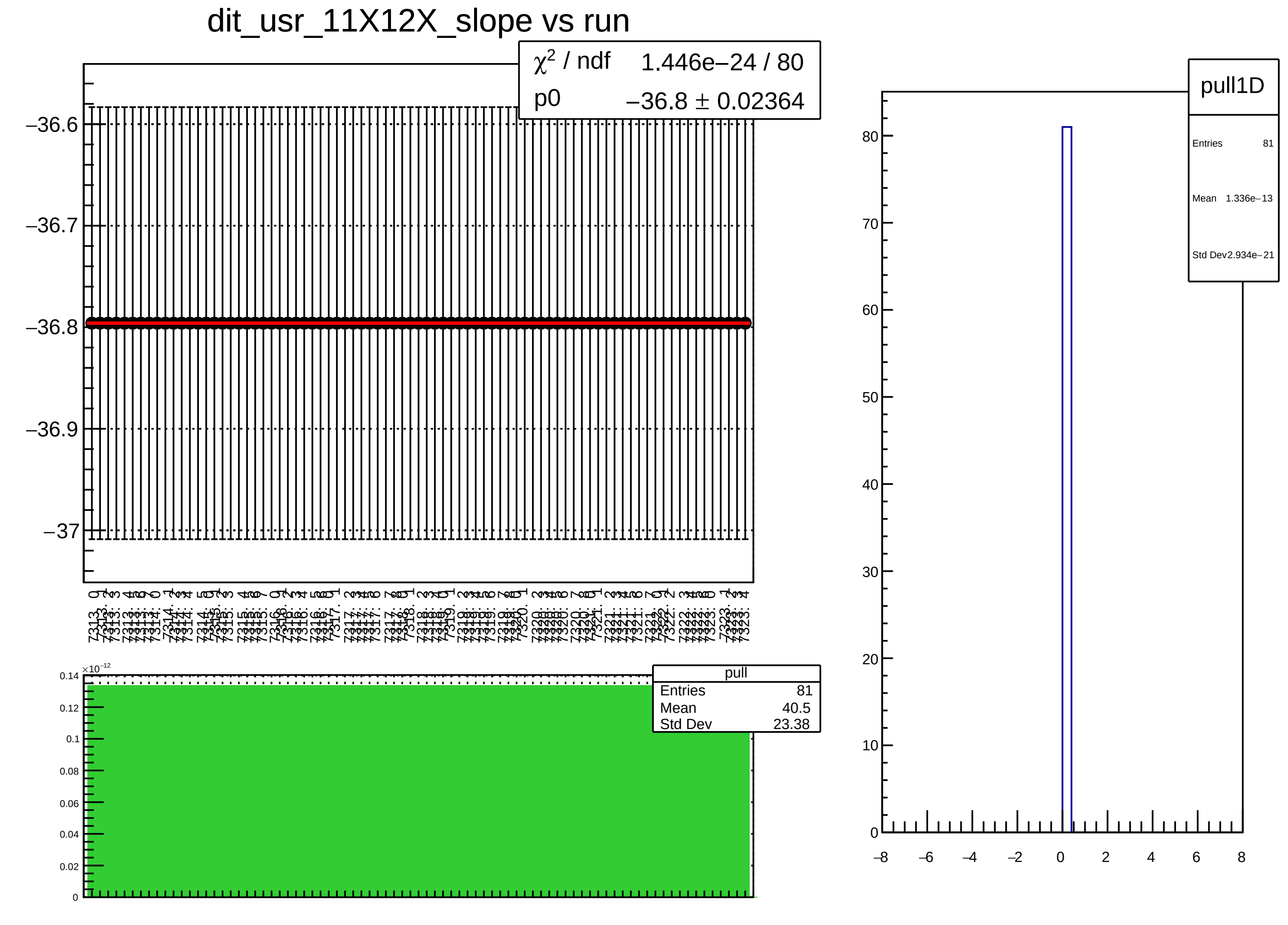

dit_usl_4eY_slope vs run
χ2 / ndf 3.043e−25 / 80
p0 13.64 ± 0.02254
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −6.13e−14
Std Dev 1.198e−21



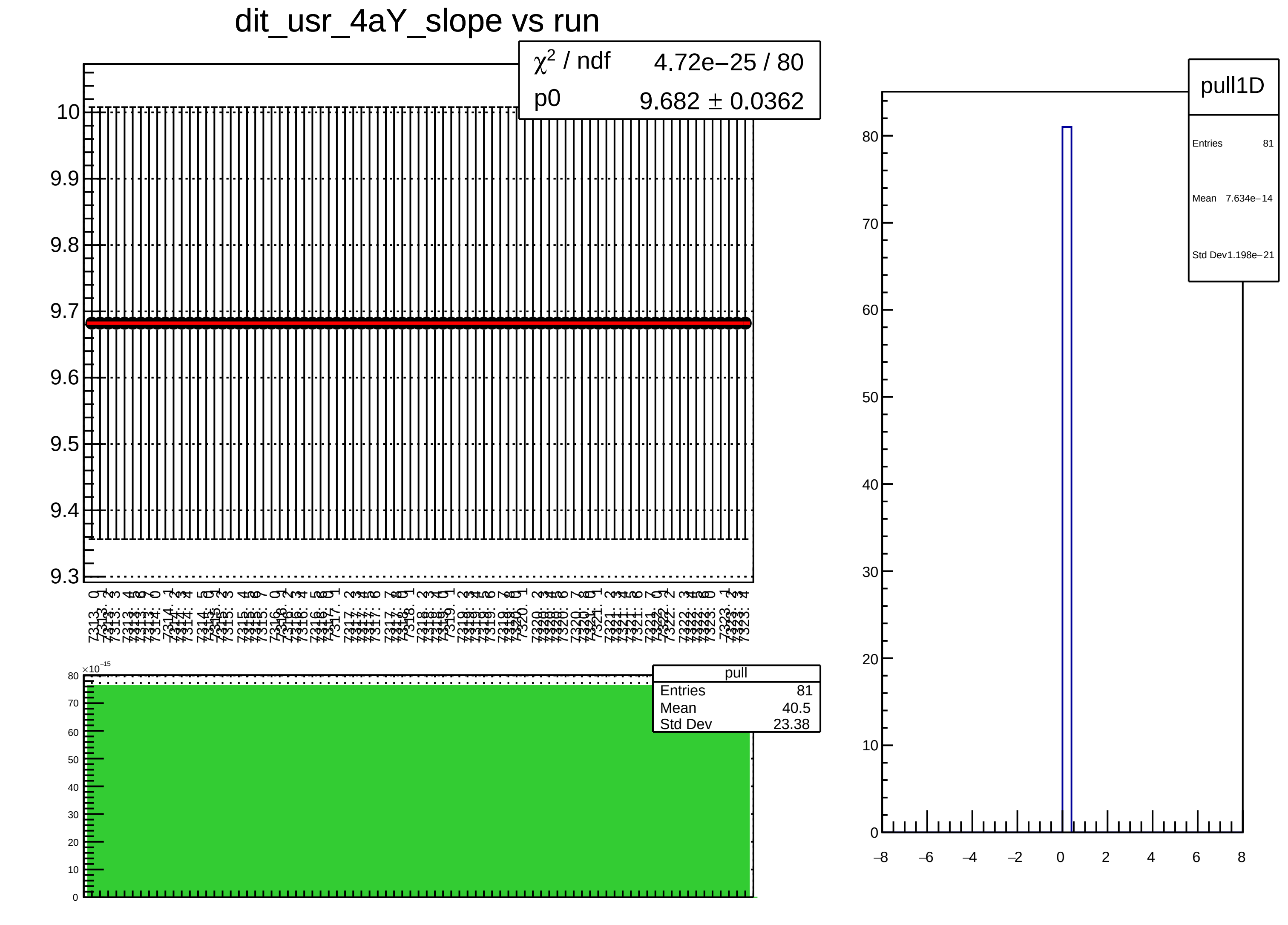
dit_usr_4aX_slope vs run
χ^2 / ndf 5.117e−25 / 80
p0 −140.7 ± 0.2384
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 7.948e−14
Std Dev 2.541e−21

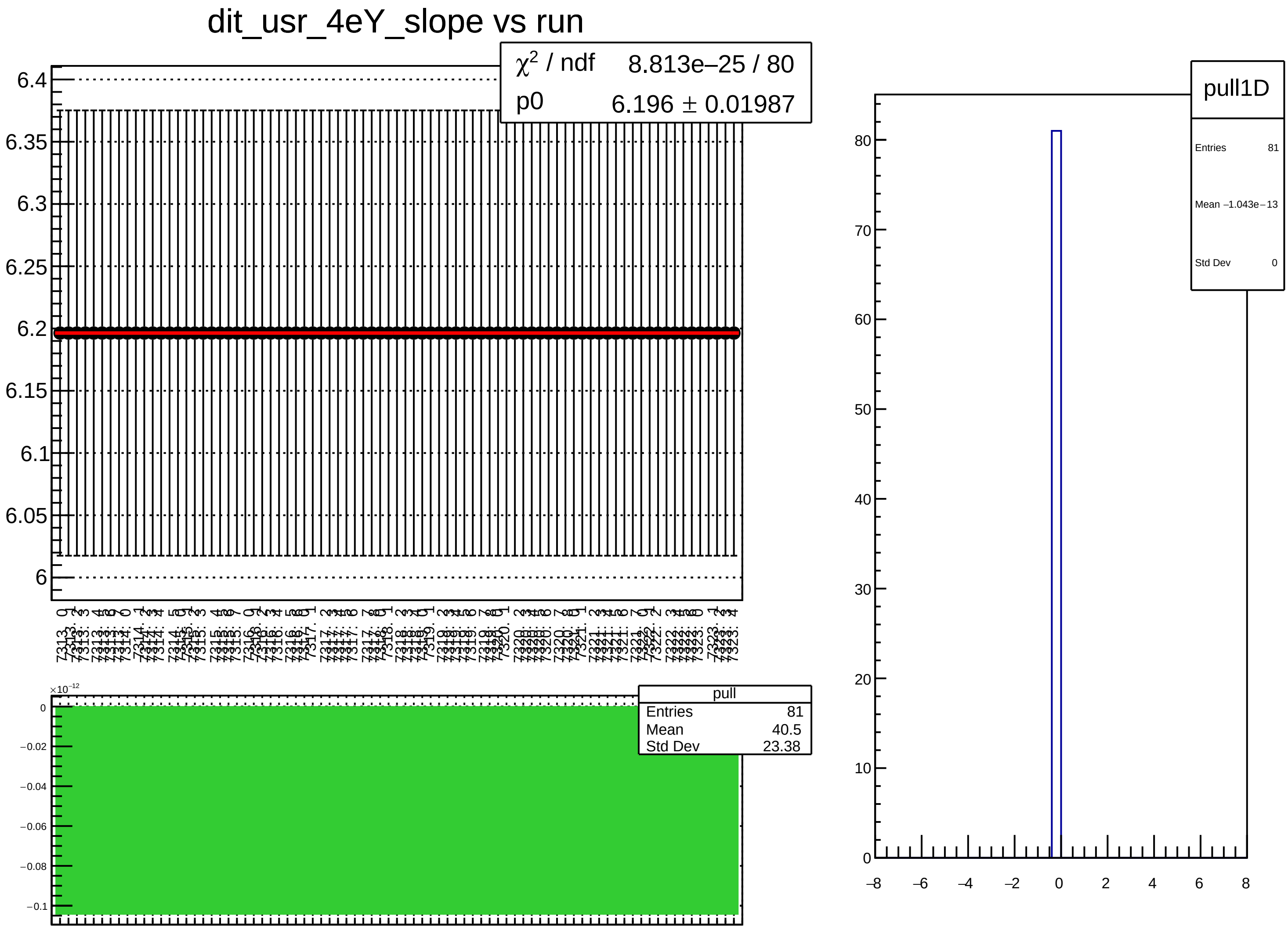


dit_usr_4eX_slope vs run
χ^2 / ndf 1.845e−26 / 80
p0 197.5 ± 0.2092
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.509e−14
Std Dev 2.995e−22

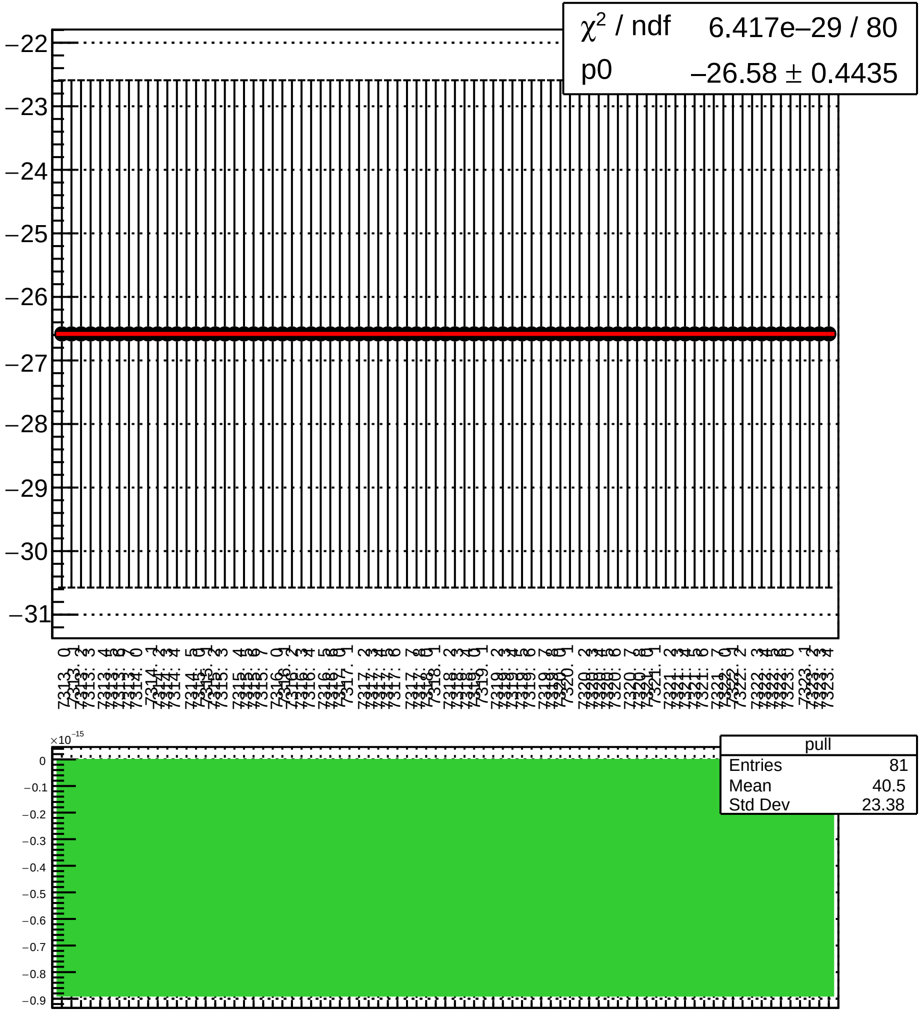


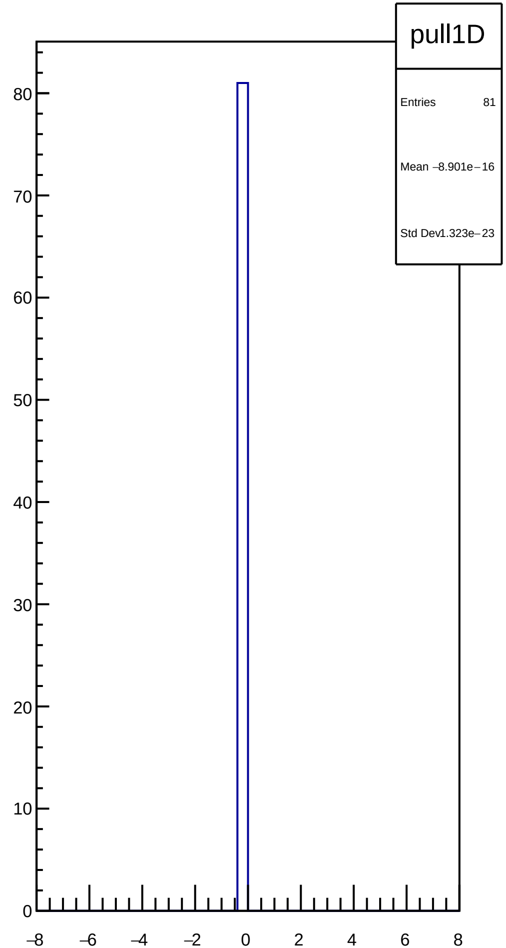
dit_usr_11X12X_slope vs run
χ^2 / ndf 1.446e−24 / 80
p0 −36.8 ± 0.02364
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.336e−13
Std Dev 2.934e−21


dit_usr_4aY_slope vs run
χ2 / ndf 4.72e−25 / 80
p0 9.682 ± 0.0362
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10−15
pull1D
Entries 81
Mean 7.634e−14
Std Dev 1.198e−21

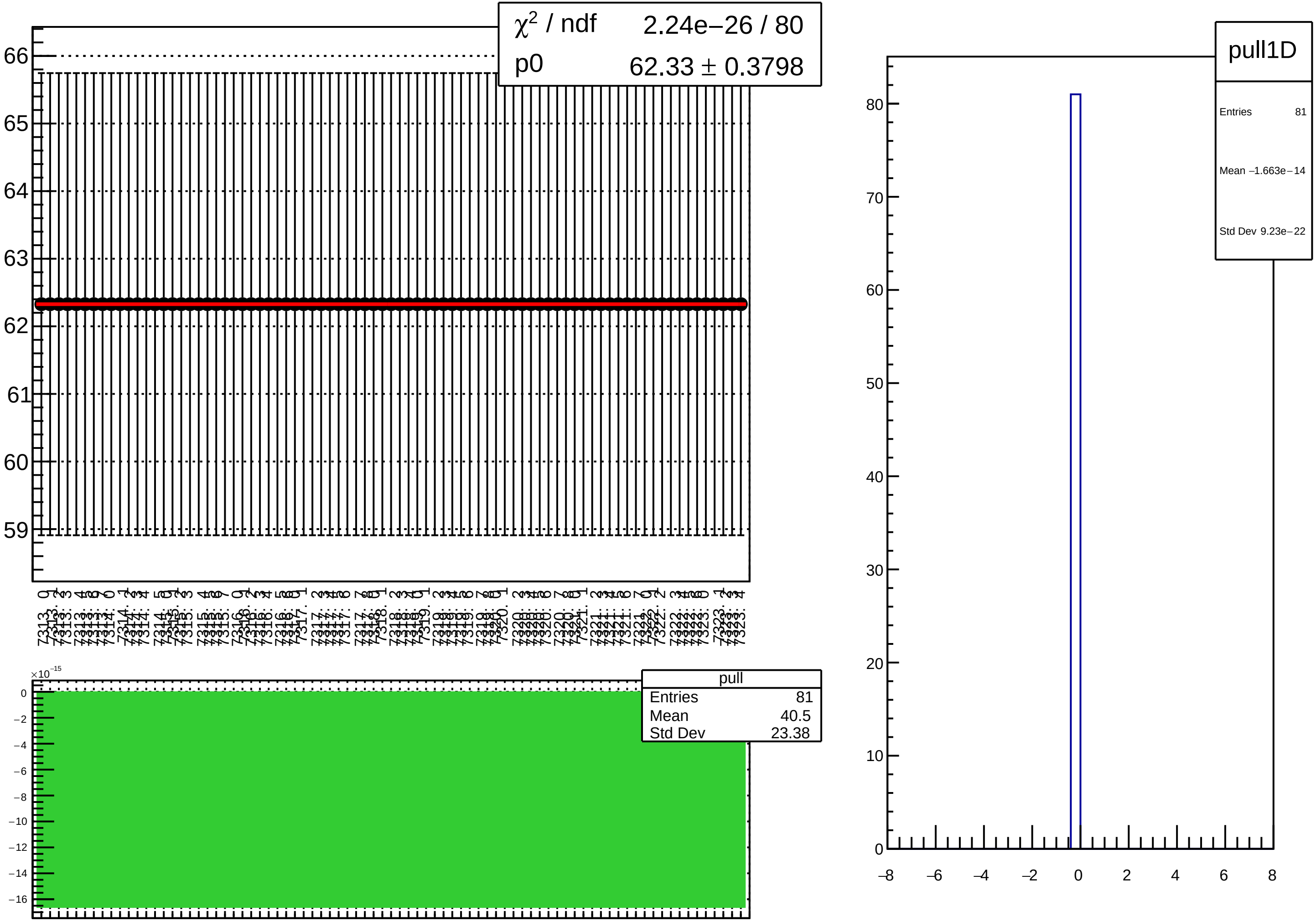

dit_usr_4eY_slope vs run
χ^2 / ndf 8.813e−25 / 80
p0 6.196 ± 0.01987
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.043e−13
Std Dev 0

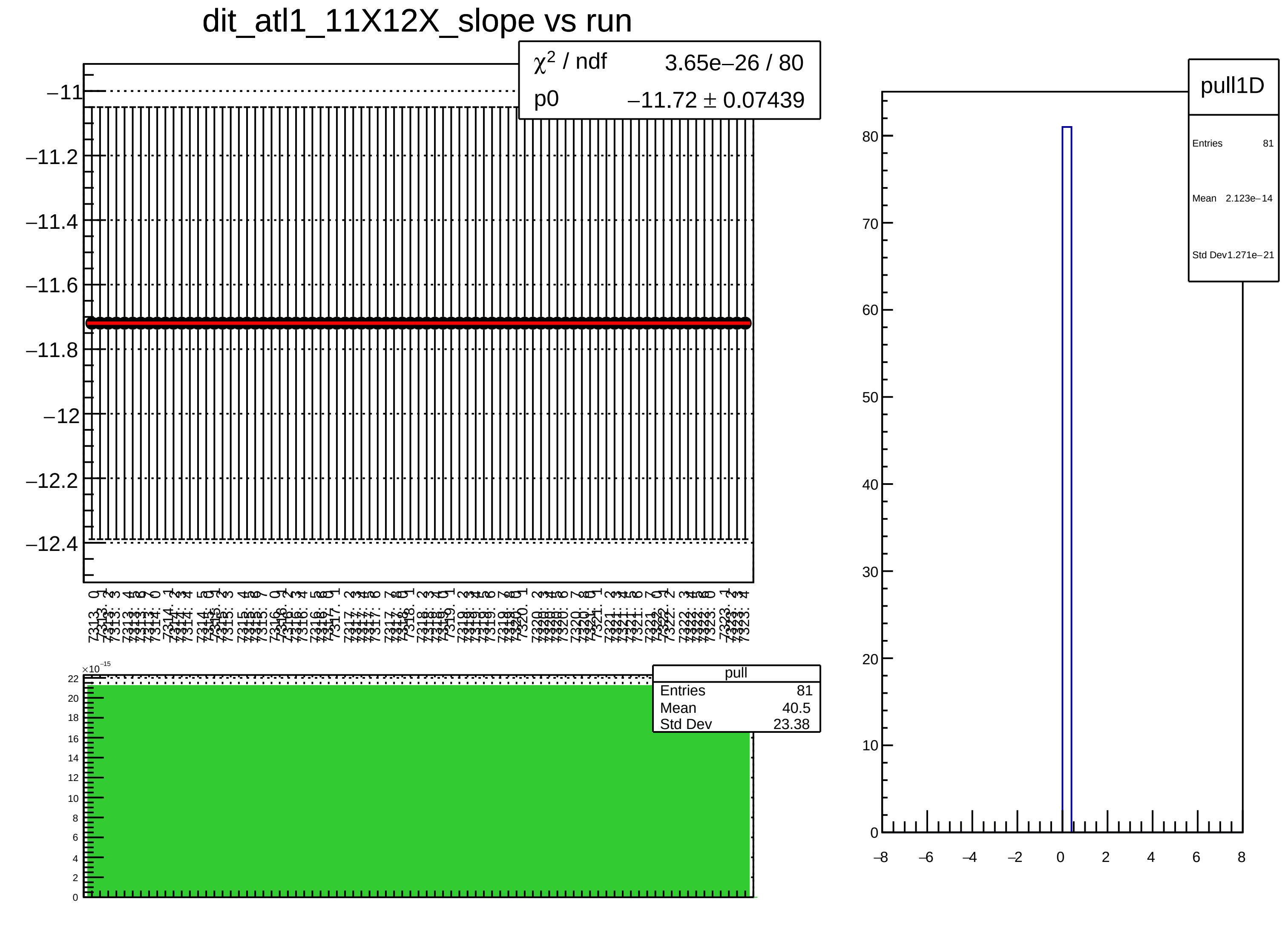
dit_atl1_4aX_slope vs run



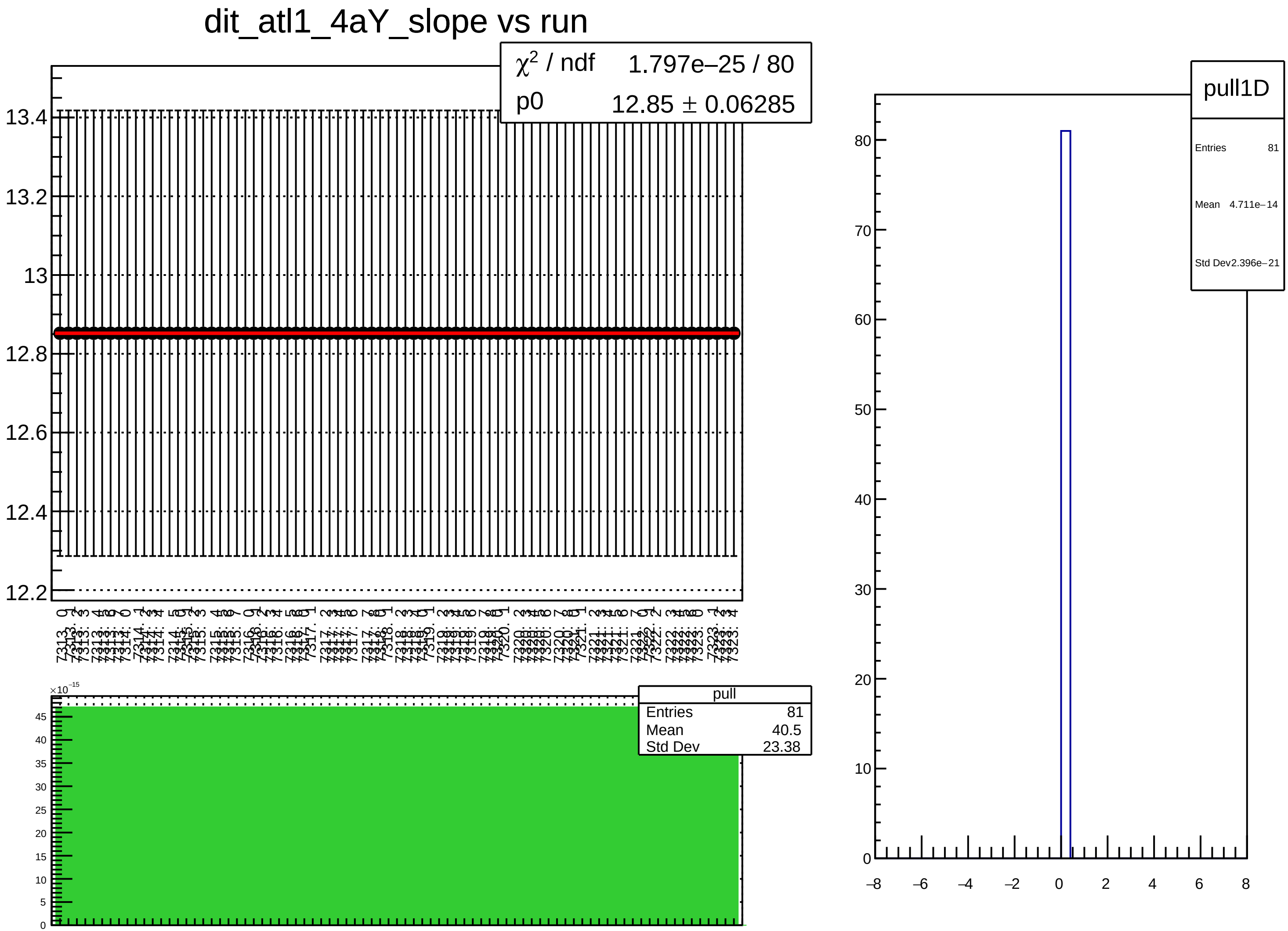


dit_atl1_4eX_slope vs run

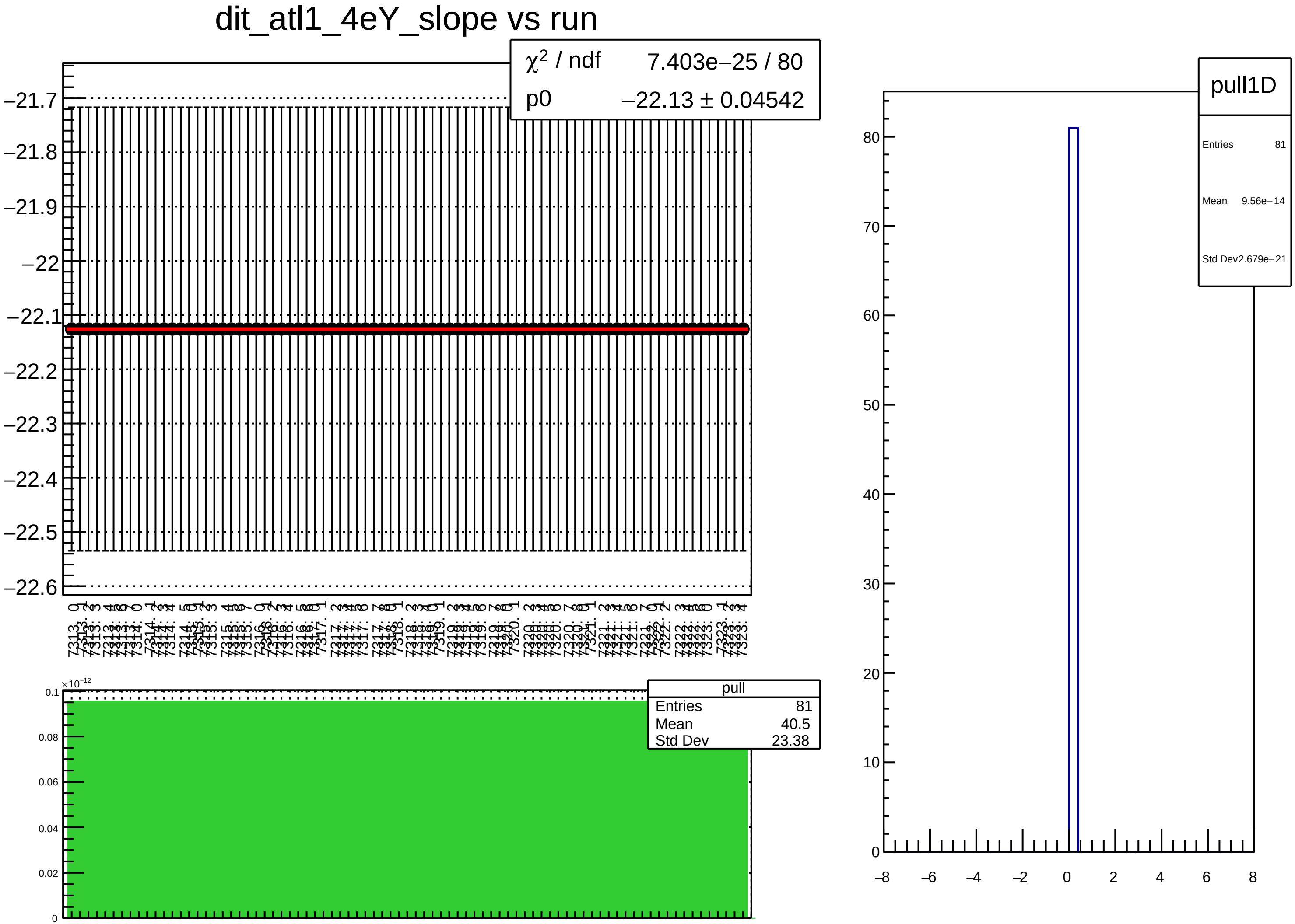


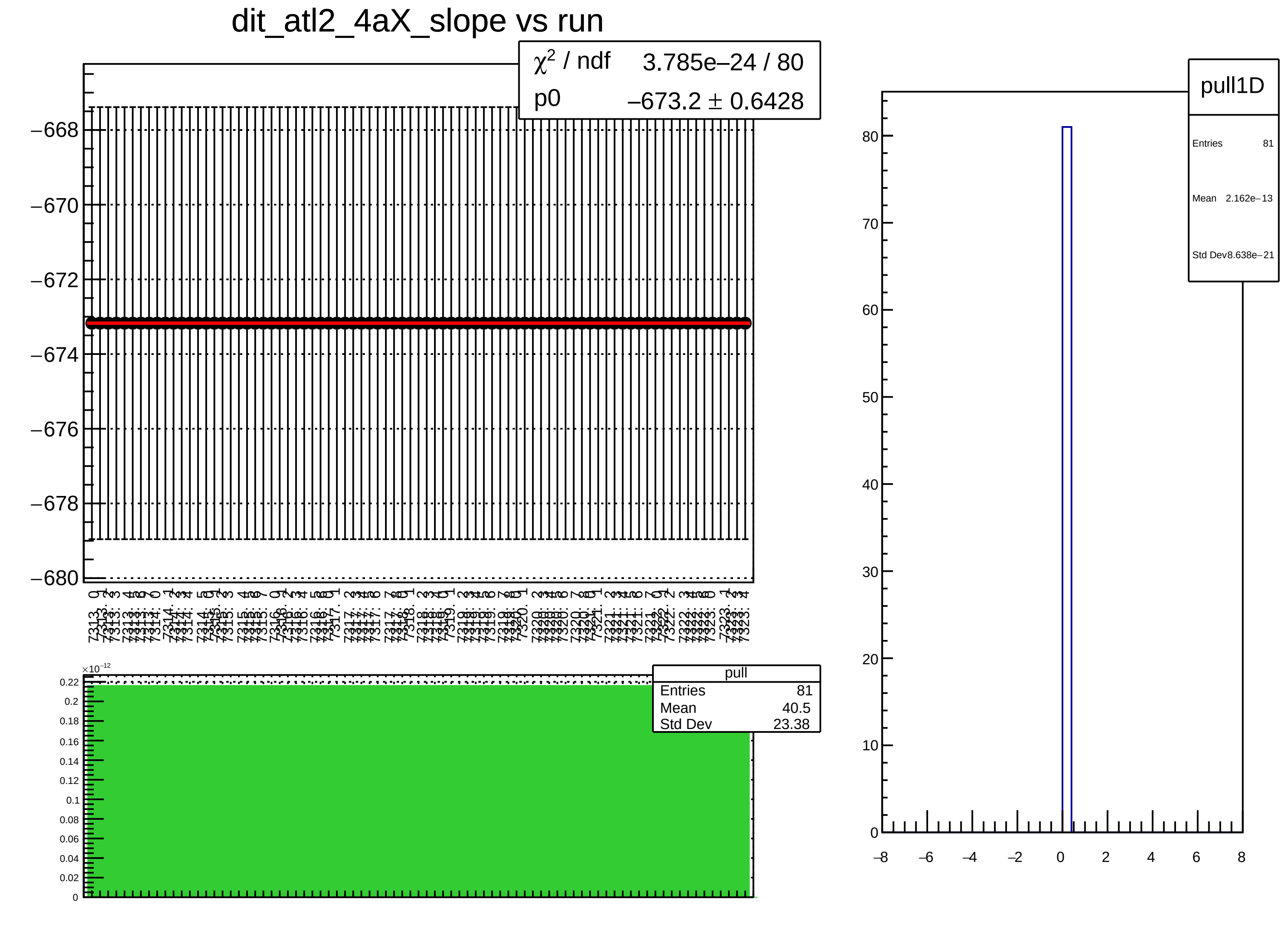


dit_atl1_11X12X_slope vs run
χ2 / ndf 3.65e−26 / 80
p0 −11.72 ± 0.07439
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.123e−14
Std Dev1.271e−21

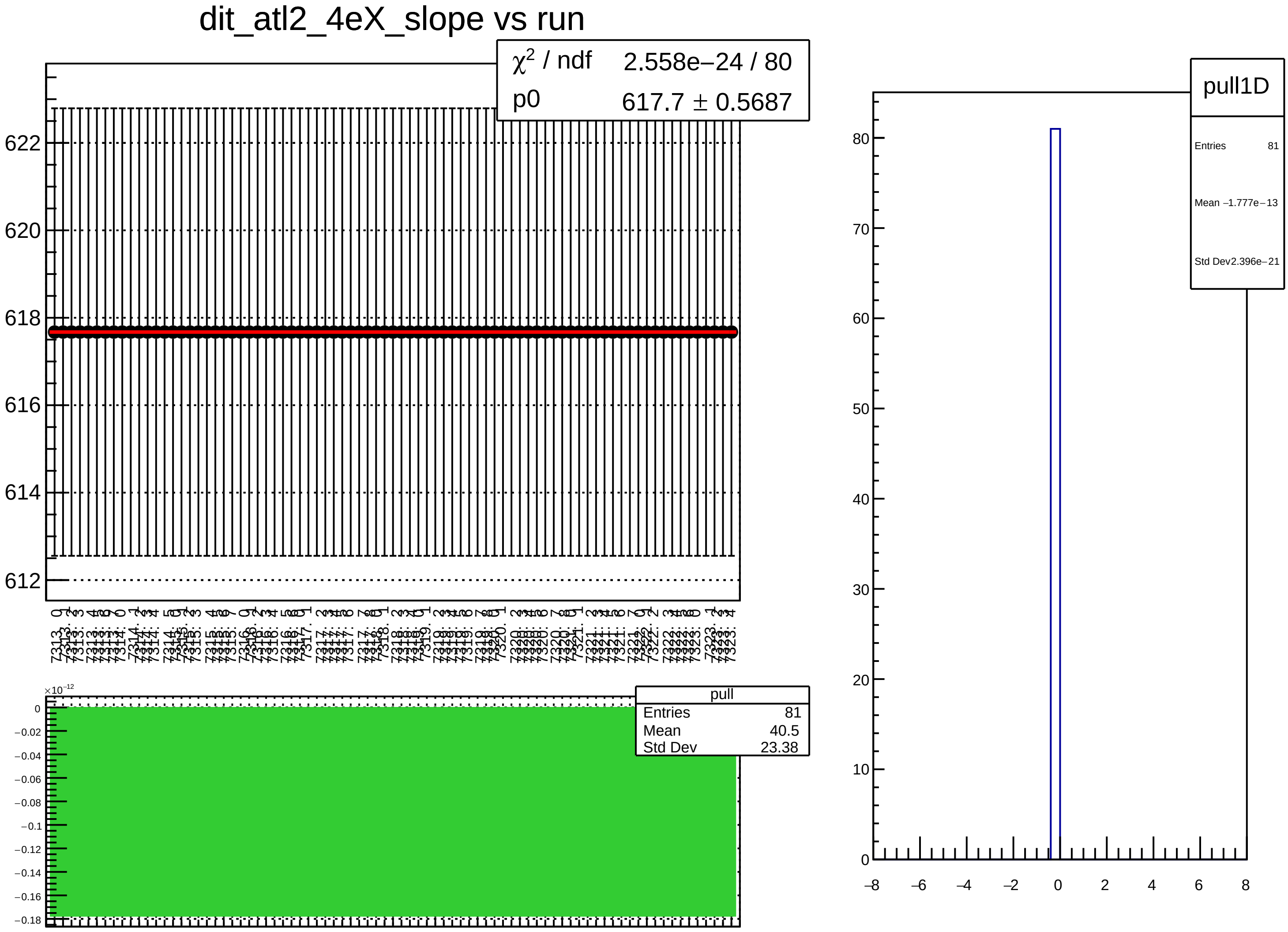


dit_atl1_4aY_slope vs run
χ^2 / ndf 1.797e−25 / 80
p0 12.85 ± 0.06285
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 4.711e−14
Std Dev 2.396e−21

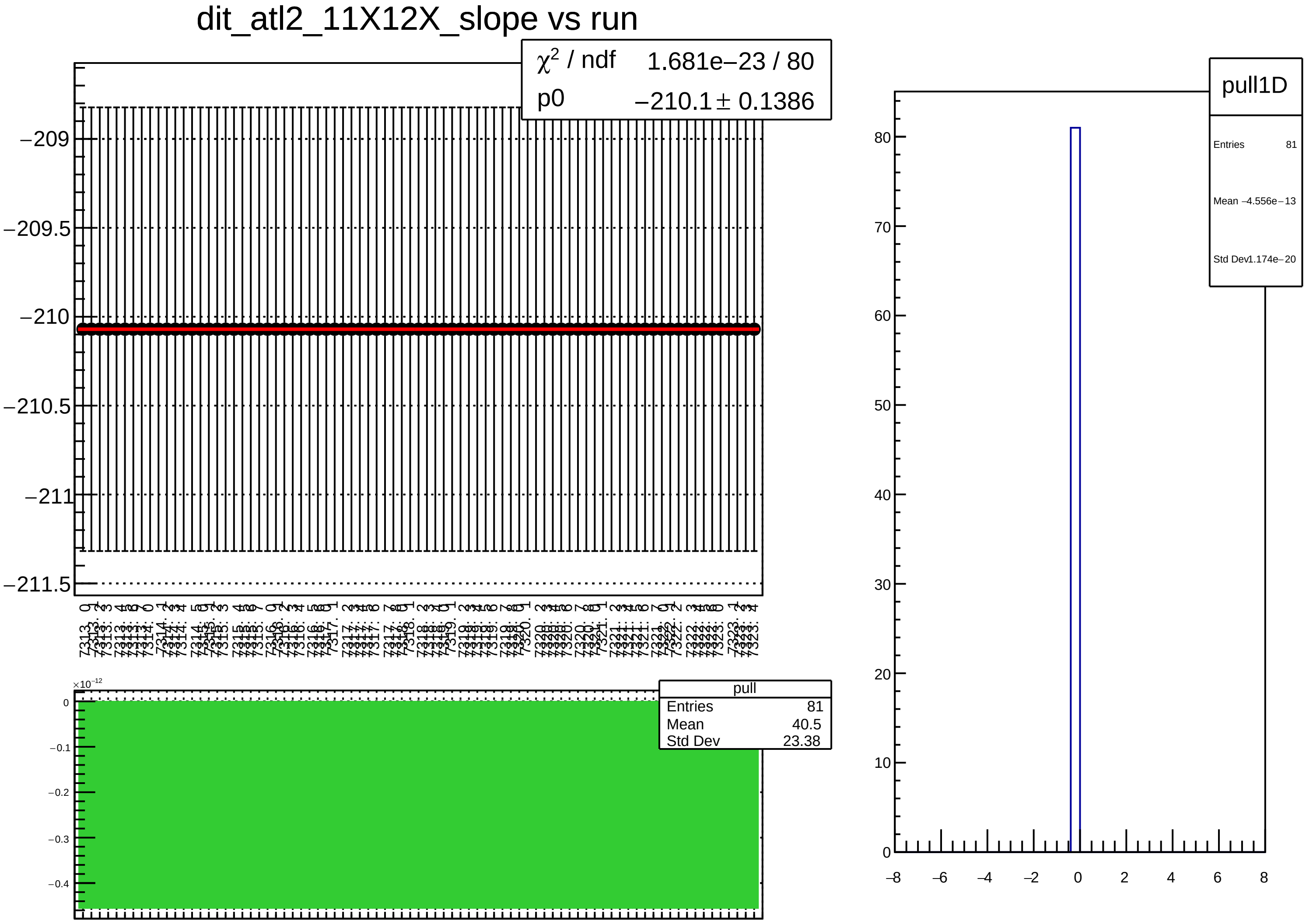

dit_atl1_4eY_slope vs run
χ^2 / ndf 7.403e−25 / 80
p0 −22.13 ± 0.04542
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 9.56e−14
Std Dev 2.679e−21

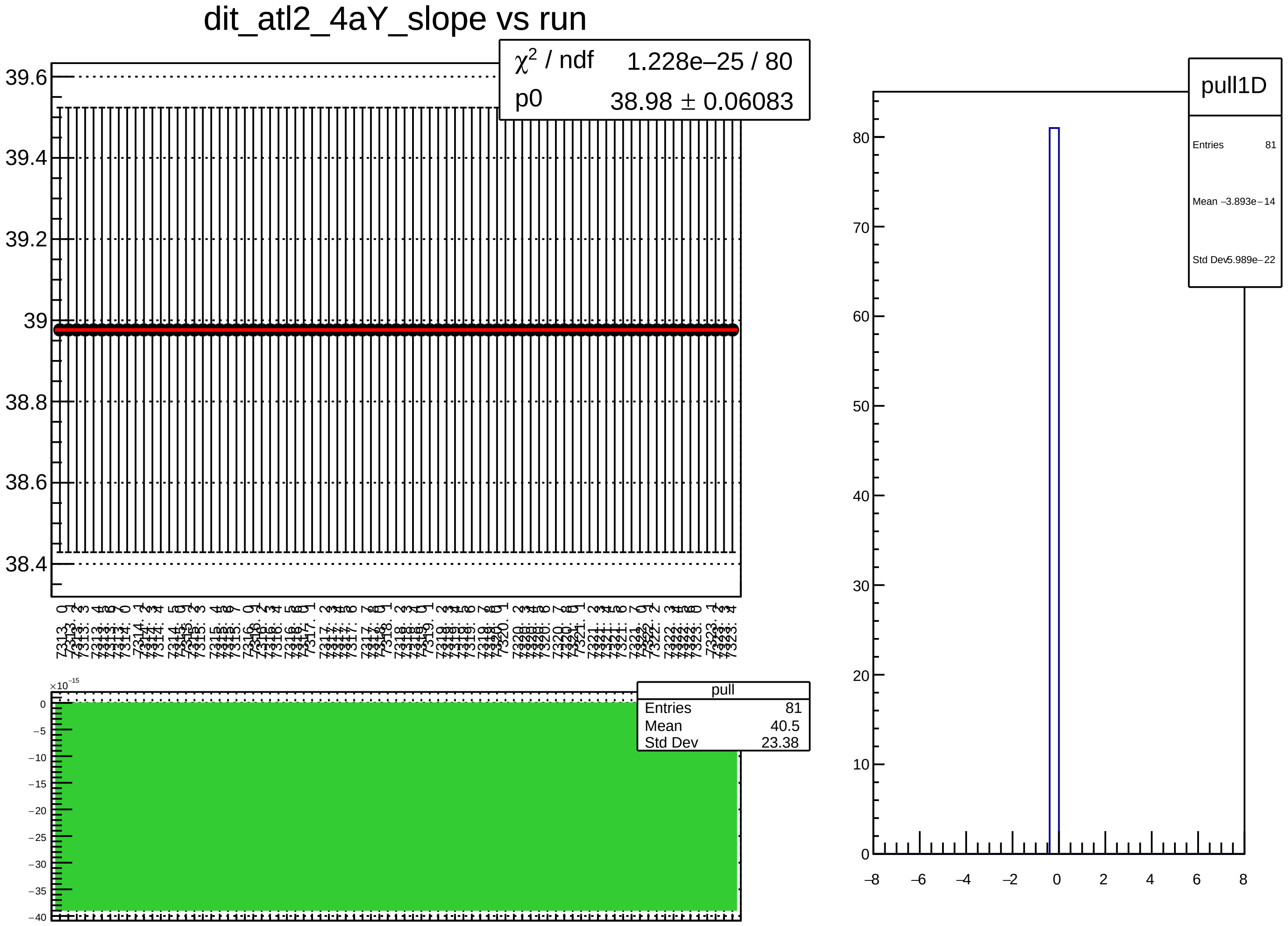


dit_atl2_4aX_slope vs run
χ2 / ndf 3.785e−24 / 80
p0 −673.2 ± 0.6428
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.162e−13
Std Dev 8.638e−21

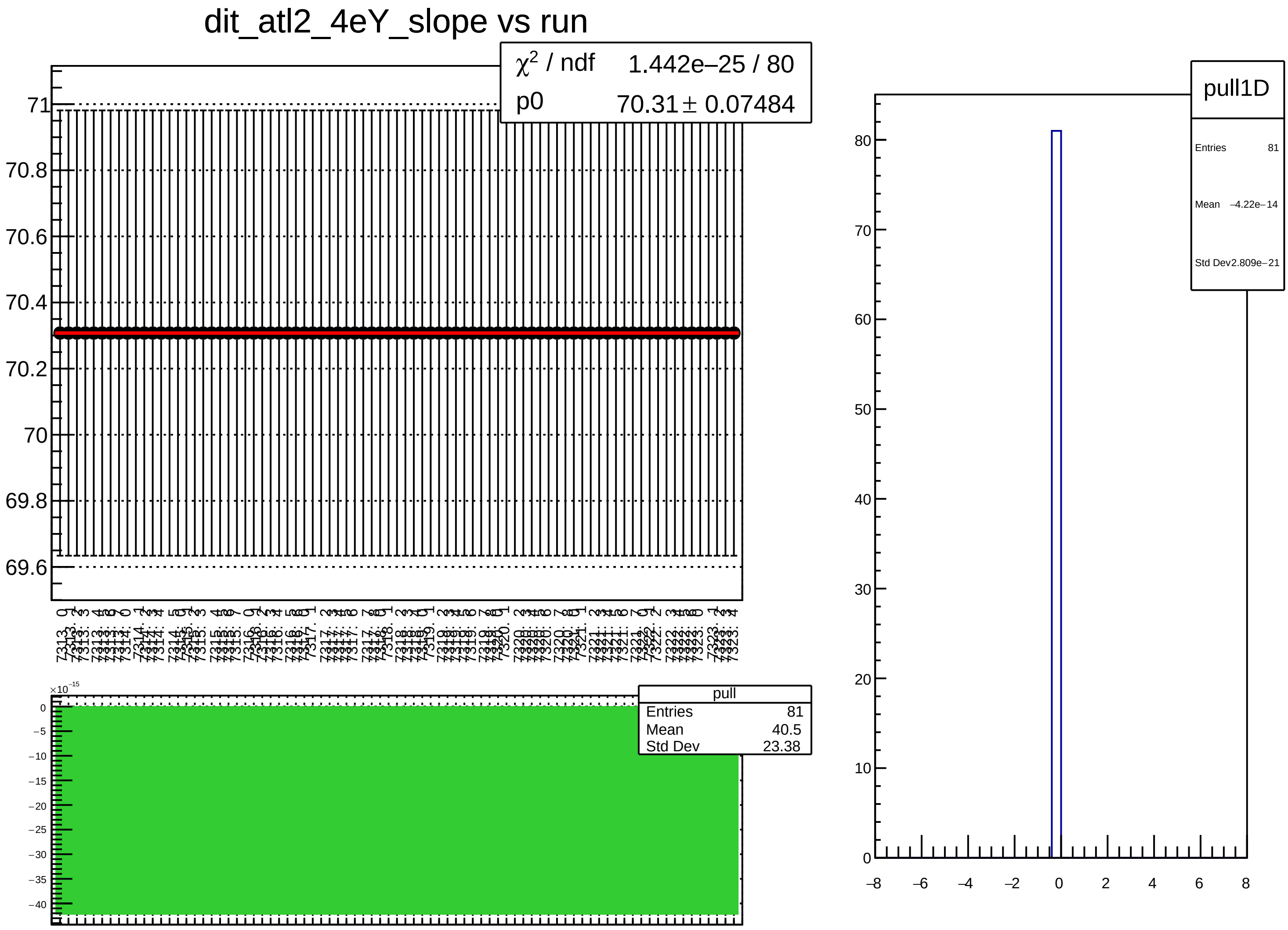


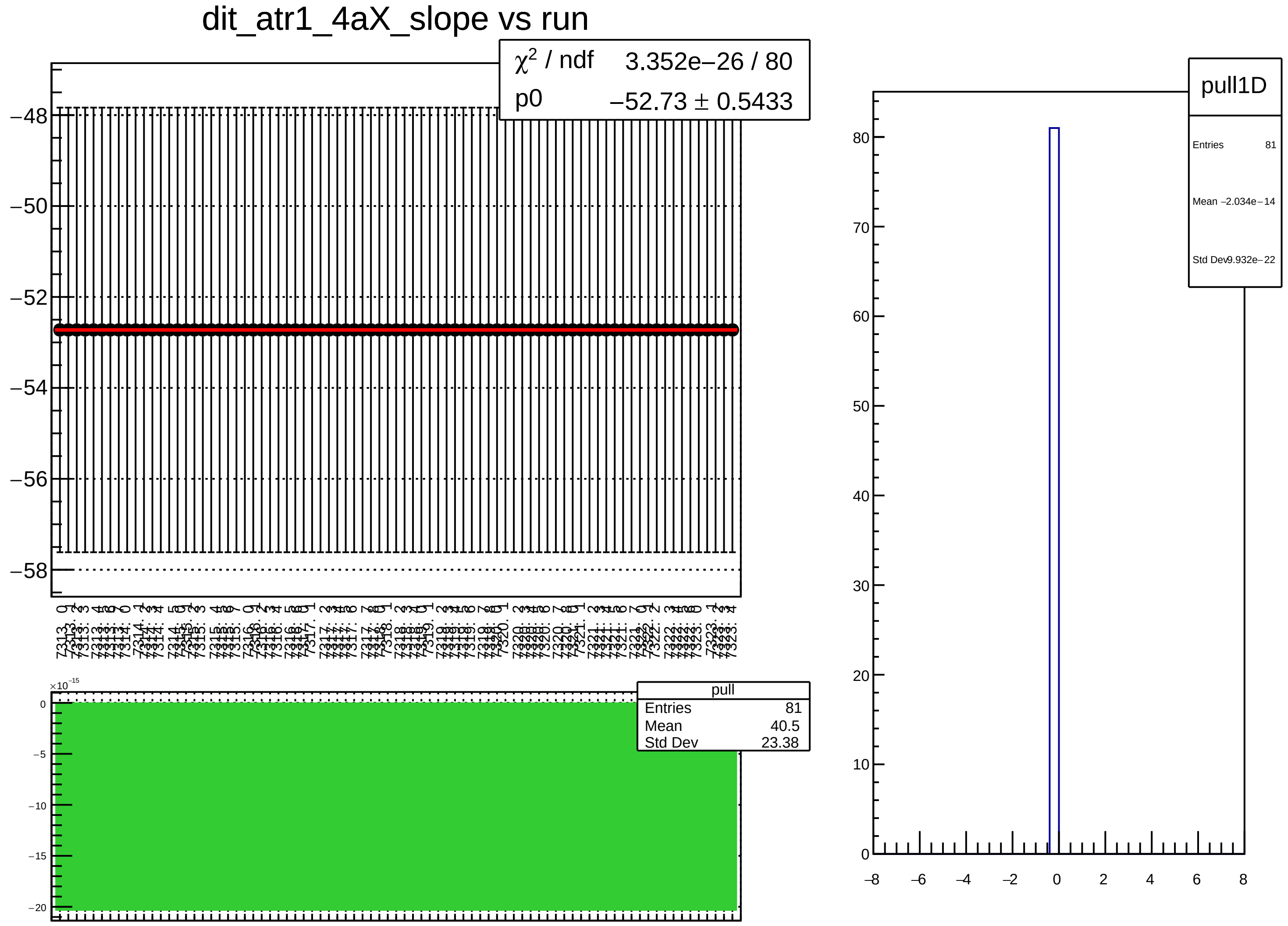
dit_atl2_4eX_slope vs run
χ^2 / ndf 2.558e−24 / 80
p0 617.7 ± 0.5687
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.777e−13
Std Dev 2.396e−21

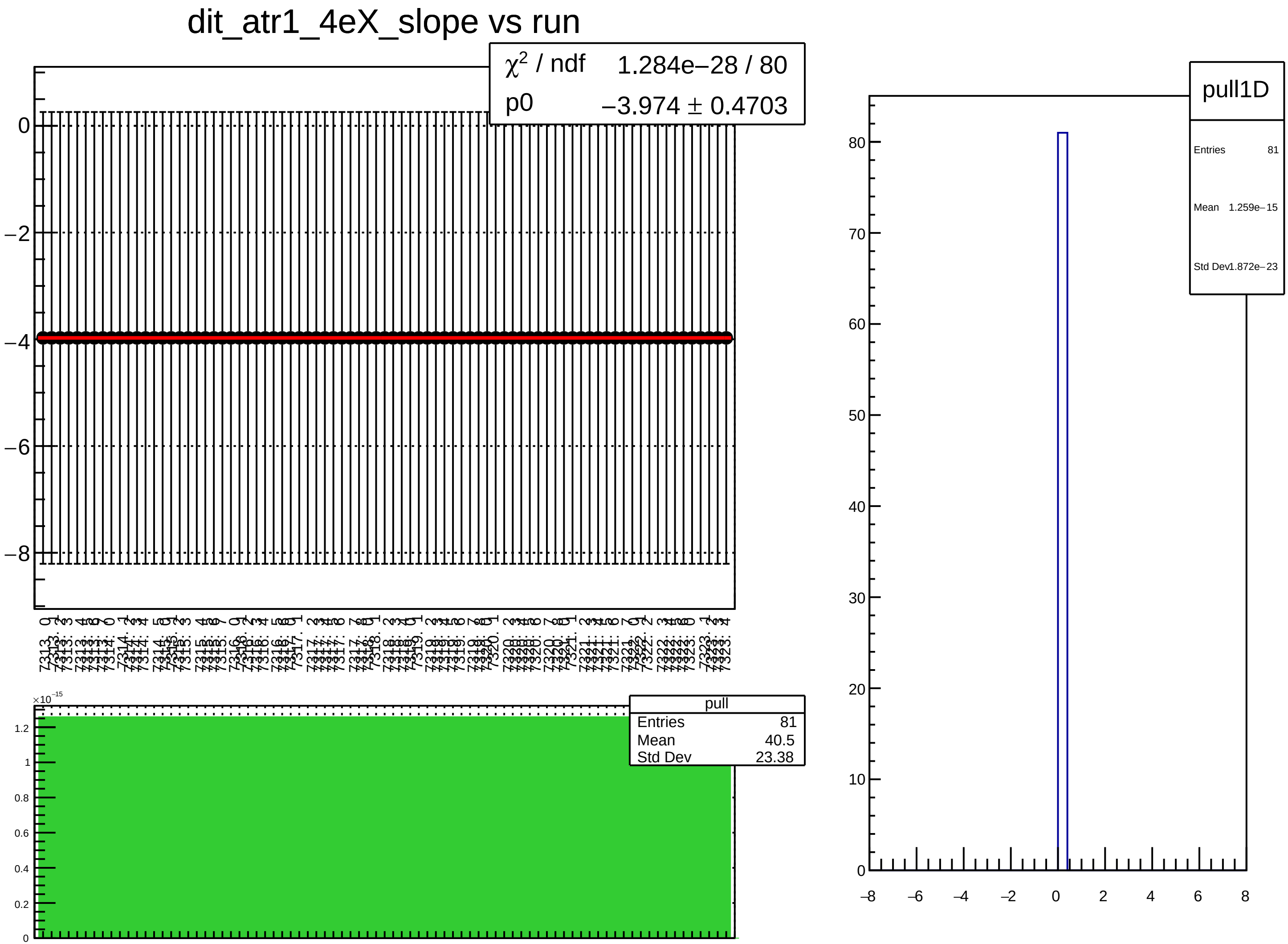

dit_atl2_11X12X_slope vs run
χ2 / ndf 1.681e−23 / 80
p0 −210.1 ± 0.1386
−209
−209.5
−210
−210.5
−211
−211.5
×10−12
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.556e−13
Std Dev 1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

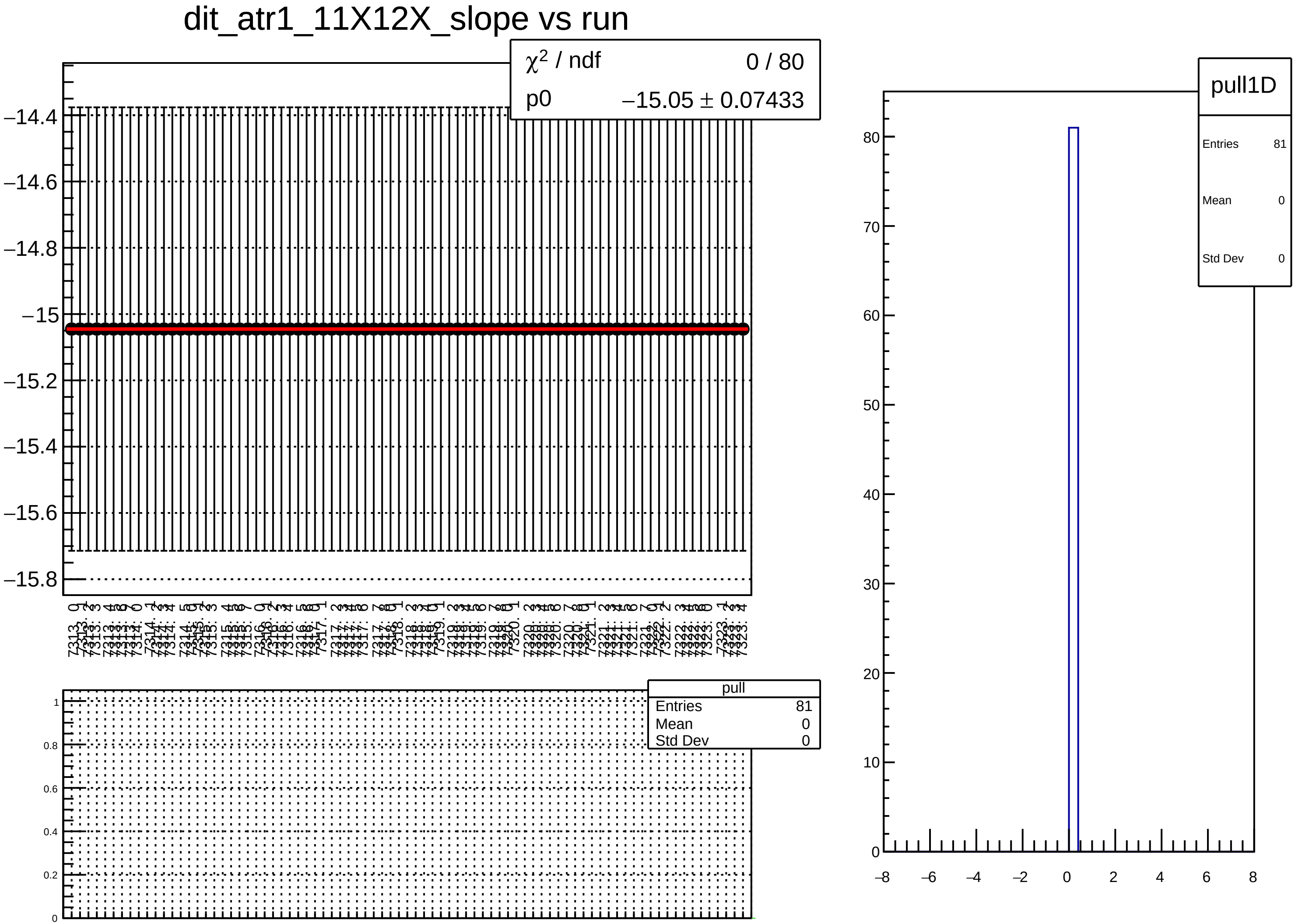


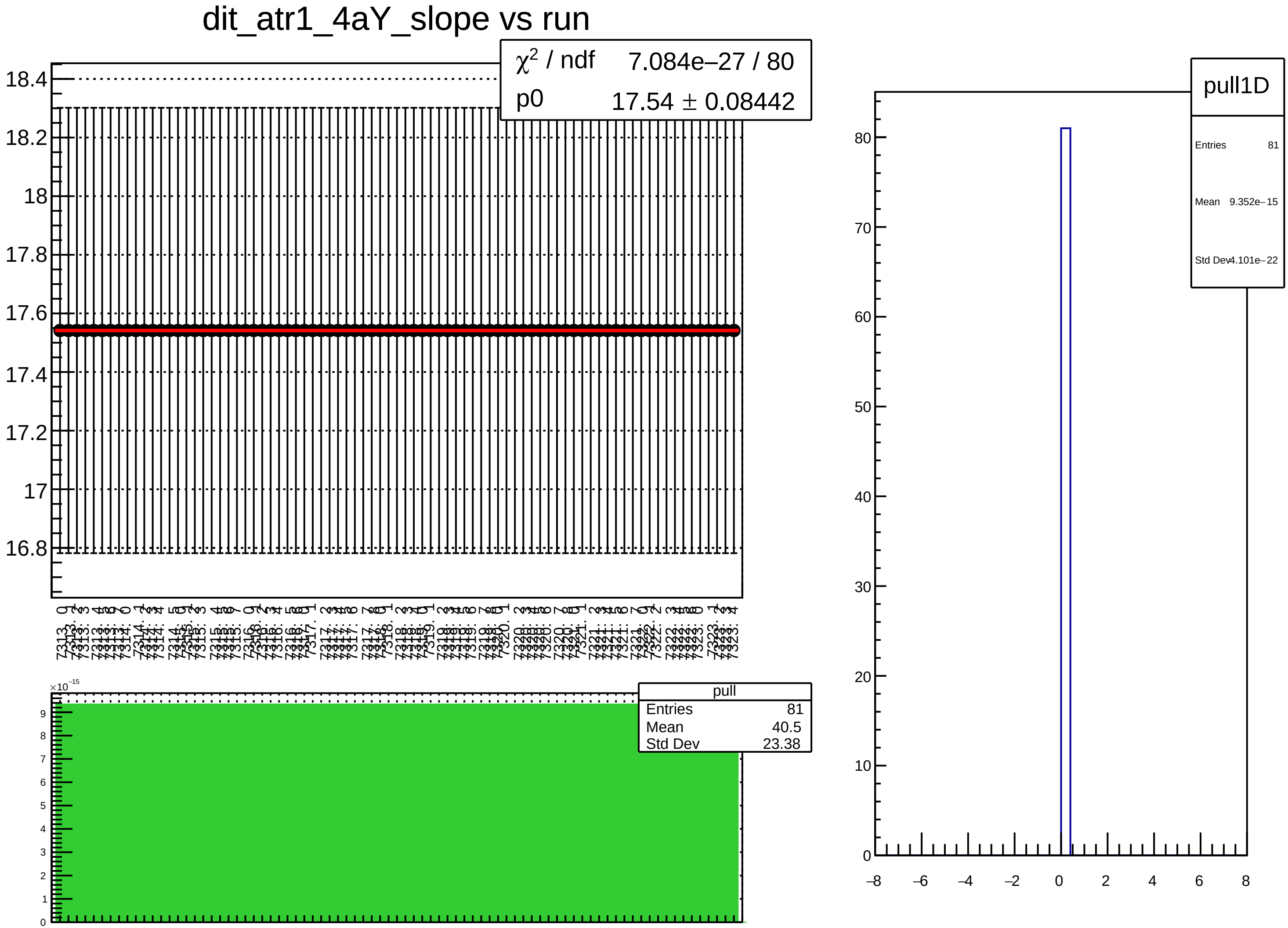
dit_atl2_4aY_slope vs run
χ^2 / ndf 1.228e−25 / 80
p0 38.98 ± 0.06083
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −3.893e−14
Std Dev 5.989e−22


dit_atl2_4eY_slope vs run
χ2 / ndf 1.442e−25 / 80
p0 70.31 ± 0.07484
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.22e−14
Std Dev 2.809e−21

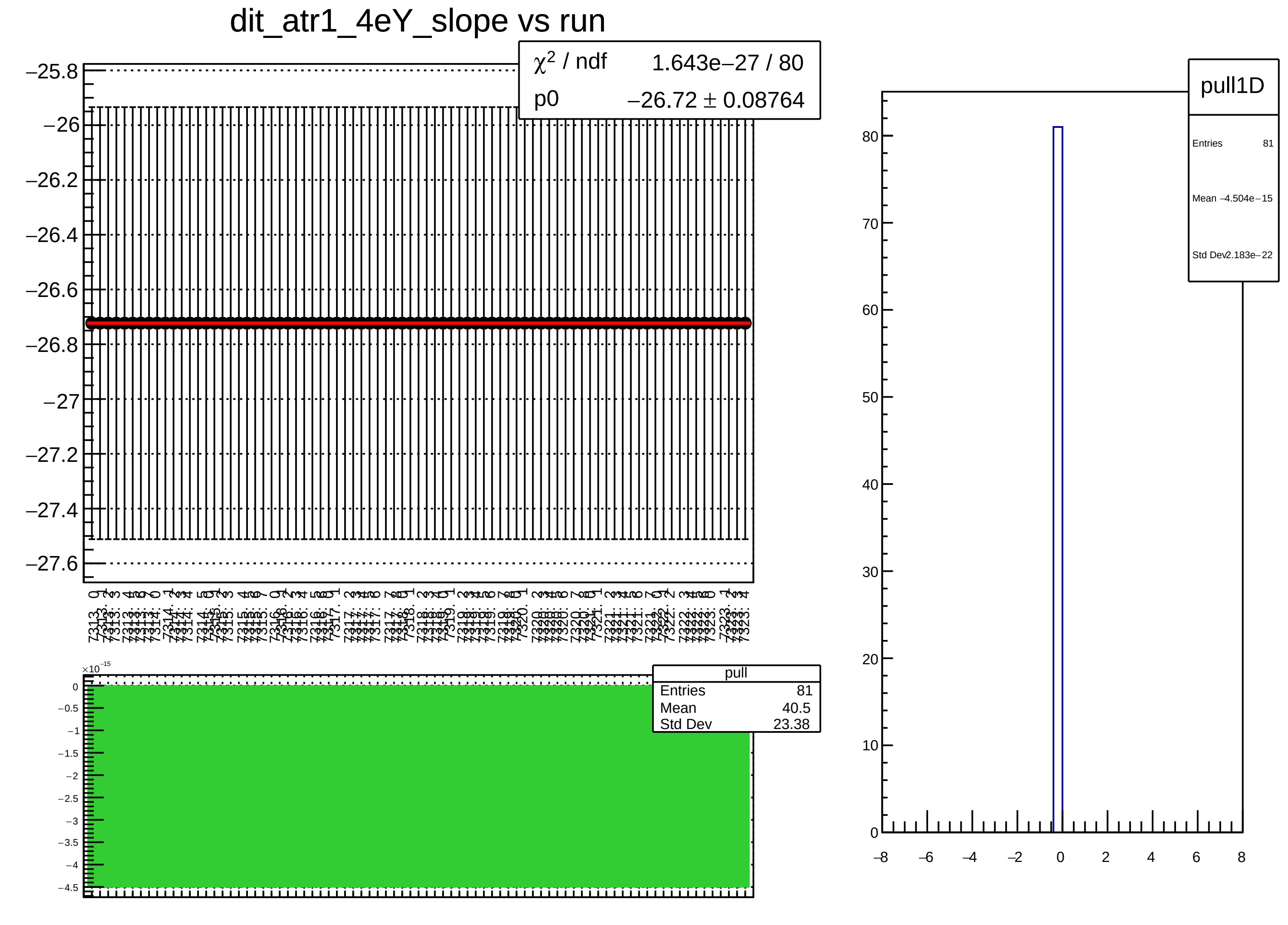

dit_atr1_4aX_slope vs run
χ2 / ndf 3.352e−26 / 80
p0 −52.73 ± 0.5433
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.034e−14
Std Dev 9.932e−22


dit_atr1_4eX_slope vs run
χ^2 / ndf 1.284e−28 / 80
p0 −3.974 ± 0.4703
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.259e−15
Std Dev 1.872e−23

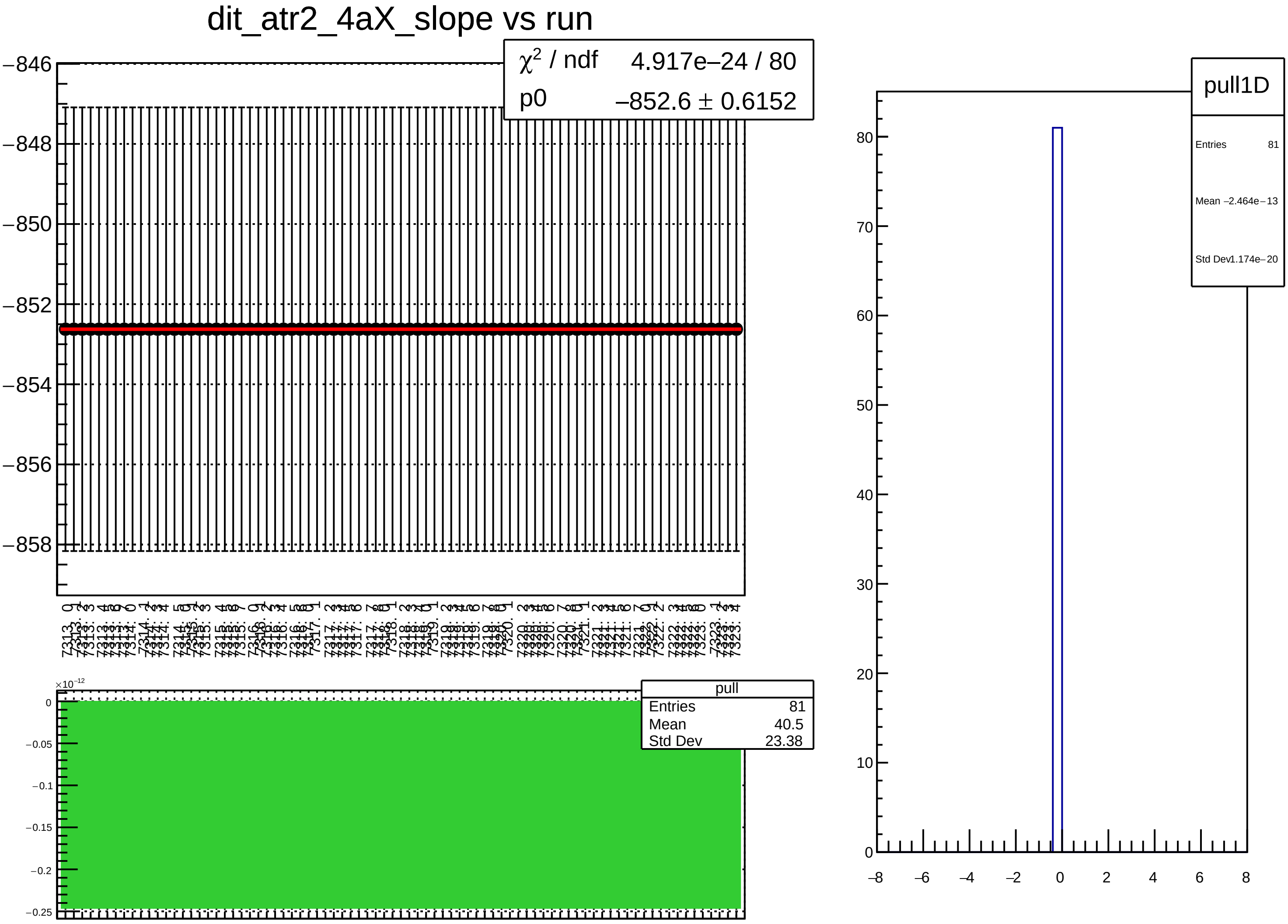

dit_atr1_11X12X_slope vs run
χ^2 / ndf 0 / 80
p0 −15.05 ± 0.07433
pull
Entries 81
Mean 0
Std Dev 0
pull1D
Entries 81
Mean 0
Std Dev 0



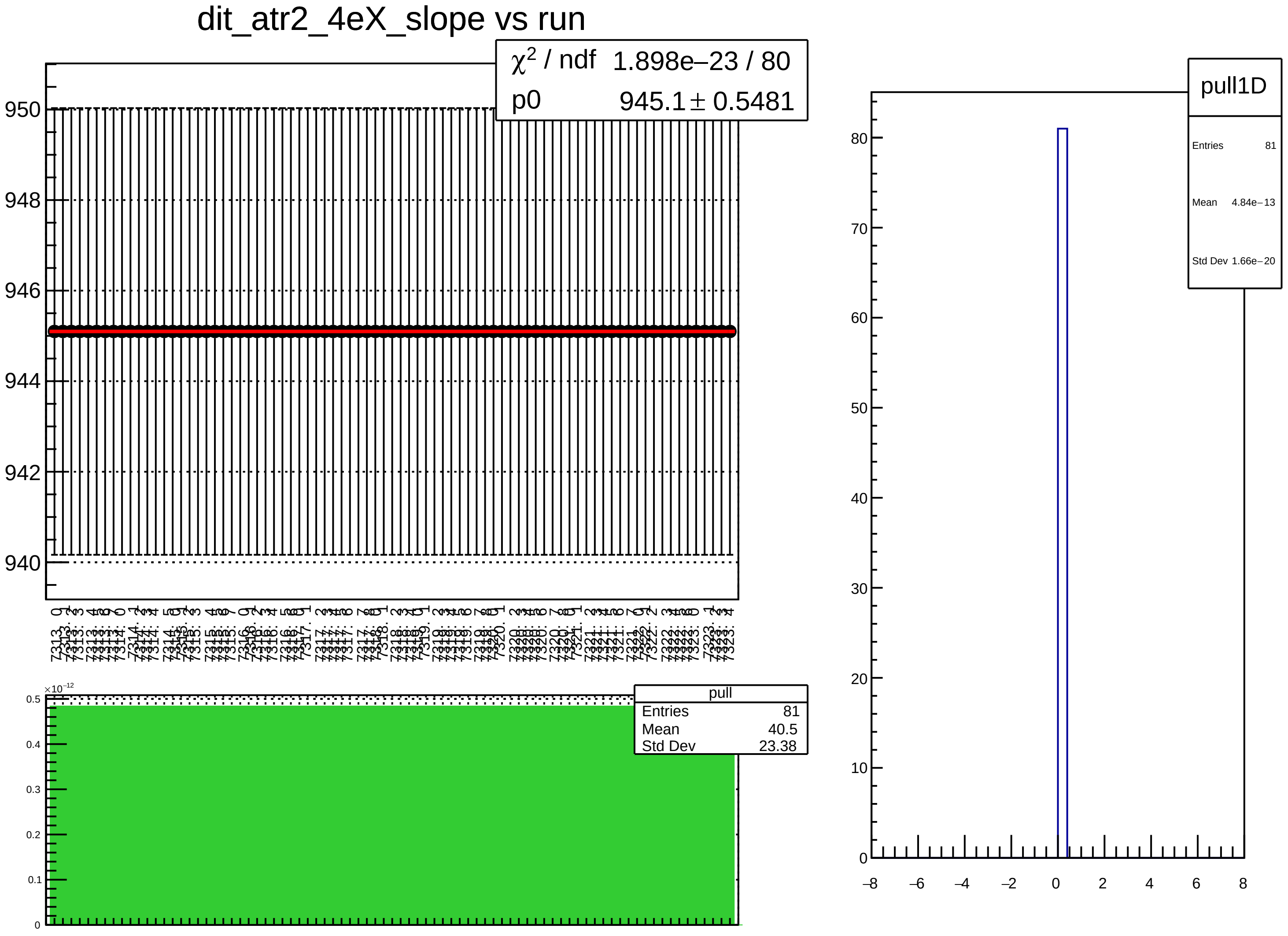
dit_atr1_4aY_slope vs run
χ2 / ndf 7.084e−27 / 80
p0 17.54 ± 0.08442
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 9.352e−15
Std Dev 4.101e−22

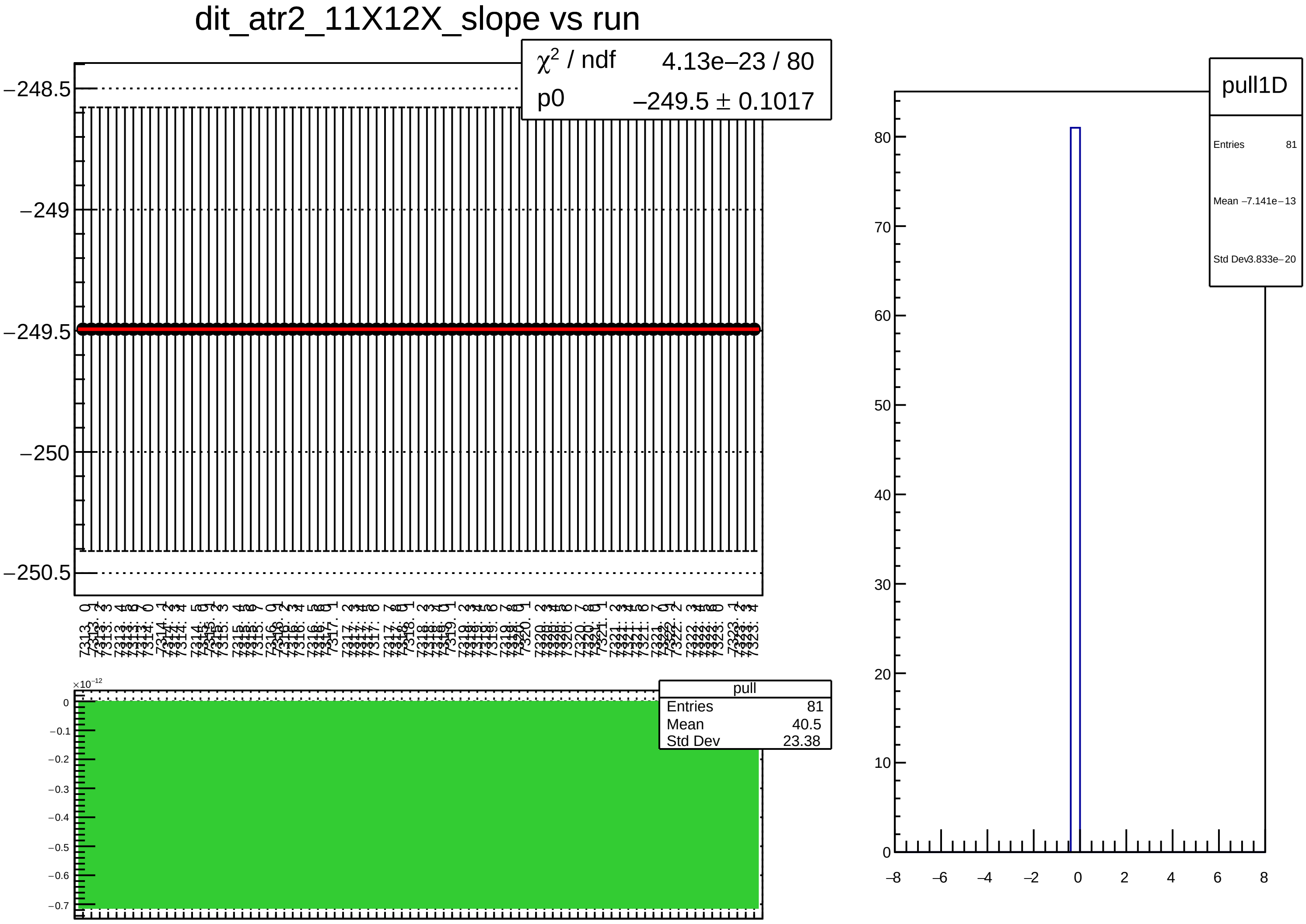


dit_atr1_4eY_slope vs run
χ2 / ndf 1.643e−27 / 80
p0 −26.72 ± 0.08764
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.504e−15
Std Dev2.183e−22

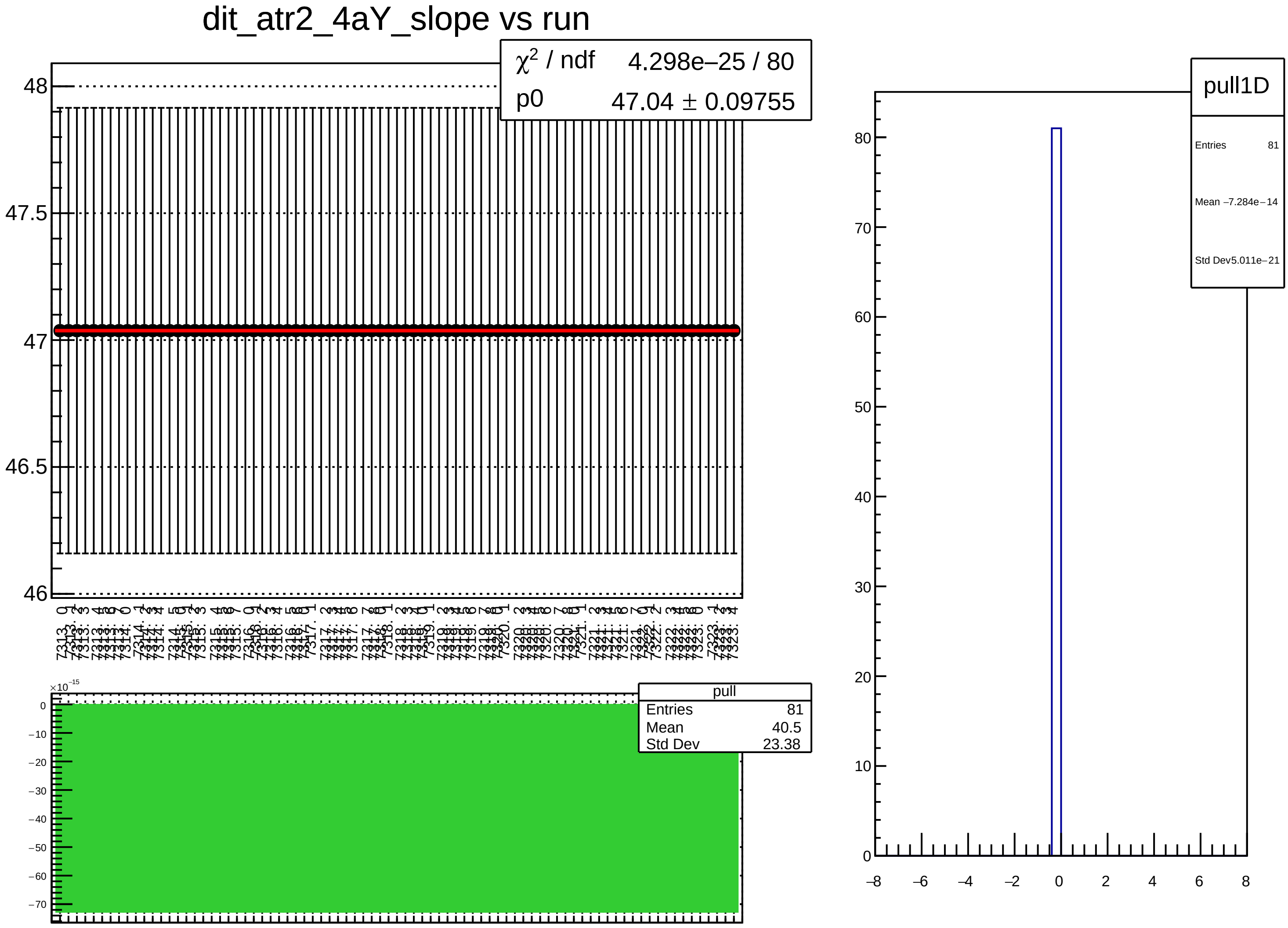


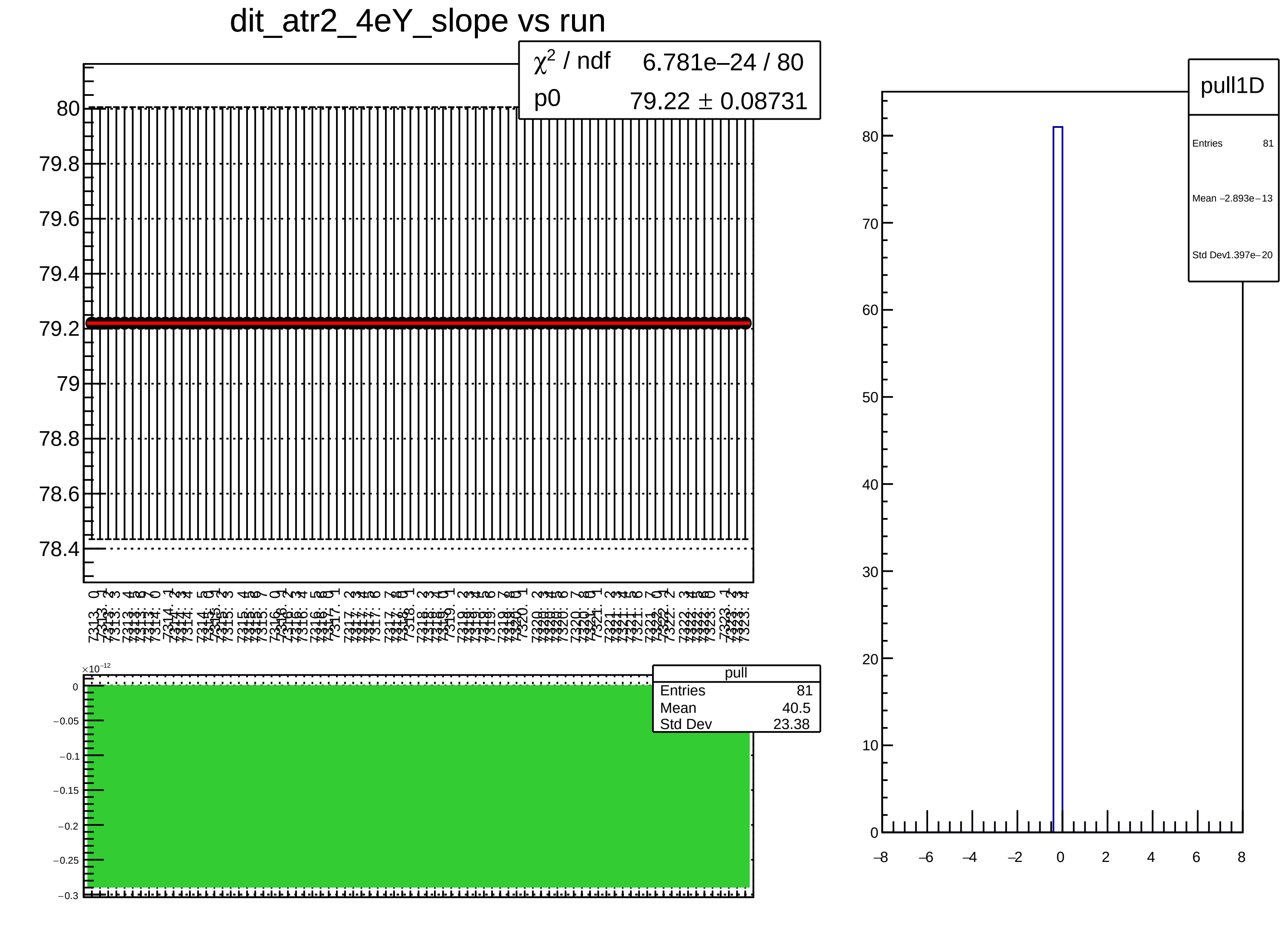
dit_atr2_4aX_slope vs run
χ2 / ndf 4.917e−24 / 80
p0 −852.6 ± 0.6152
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.464e−13
Std Dev 1.174e−20


dit_atr2_4eX_slope vs run
χ^2 / ndf 1.898e−23 / 80
p0 945.1 ± 0.5481
950
948
946
944
942
940
×10^−12
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 4.84e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

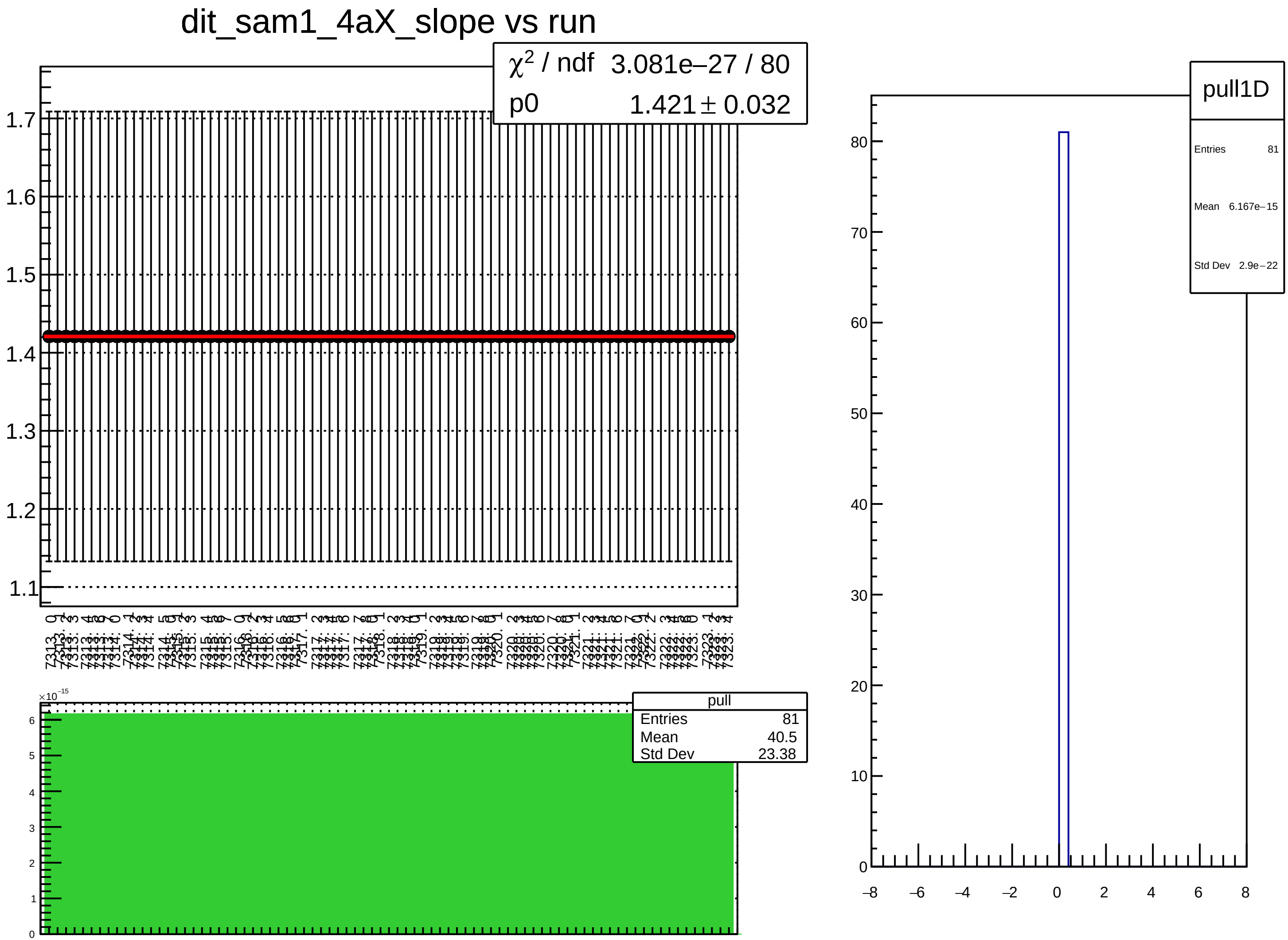


dit_atr2_11X12X_slope vs run
χ2 / ndf 4.13e−23 / 80
p0 −249.5 ± 0.1017
−248.5
−249
−249.5
−250
−250.5
×10−12
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.141e−13
Std Dev3.833e−20

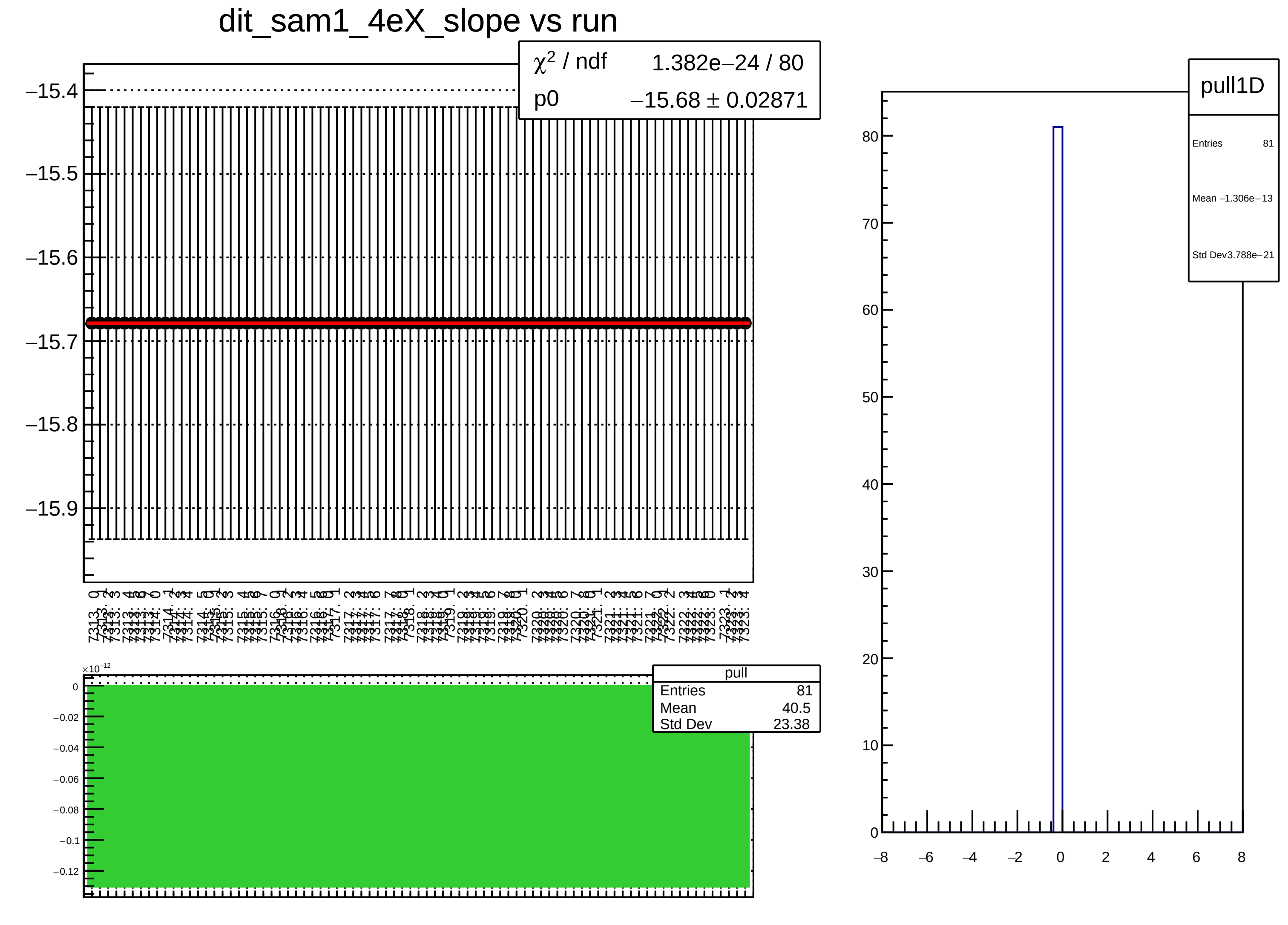

dit_atr2_4aY_slope vs run
χ^2 / ndf 4.298e−25 / 80
p0 47.04 ± 0.09755
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.284e−14
Std Dev5.011e−21



dit_atr2_4eY_slope vs run
χ^2 / ndf 6.781e−24 / 80
p0 79.22 ± 0.08731
80
79.8
79.6
79.4
79.2
79
78.8
78.6
78.4
×10^{-12}
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.893e−13
Std Dev1.397e−20
80
70
60
50
40
30
20
10
0
−8 −6 −4 −2 0 2 4 6 8

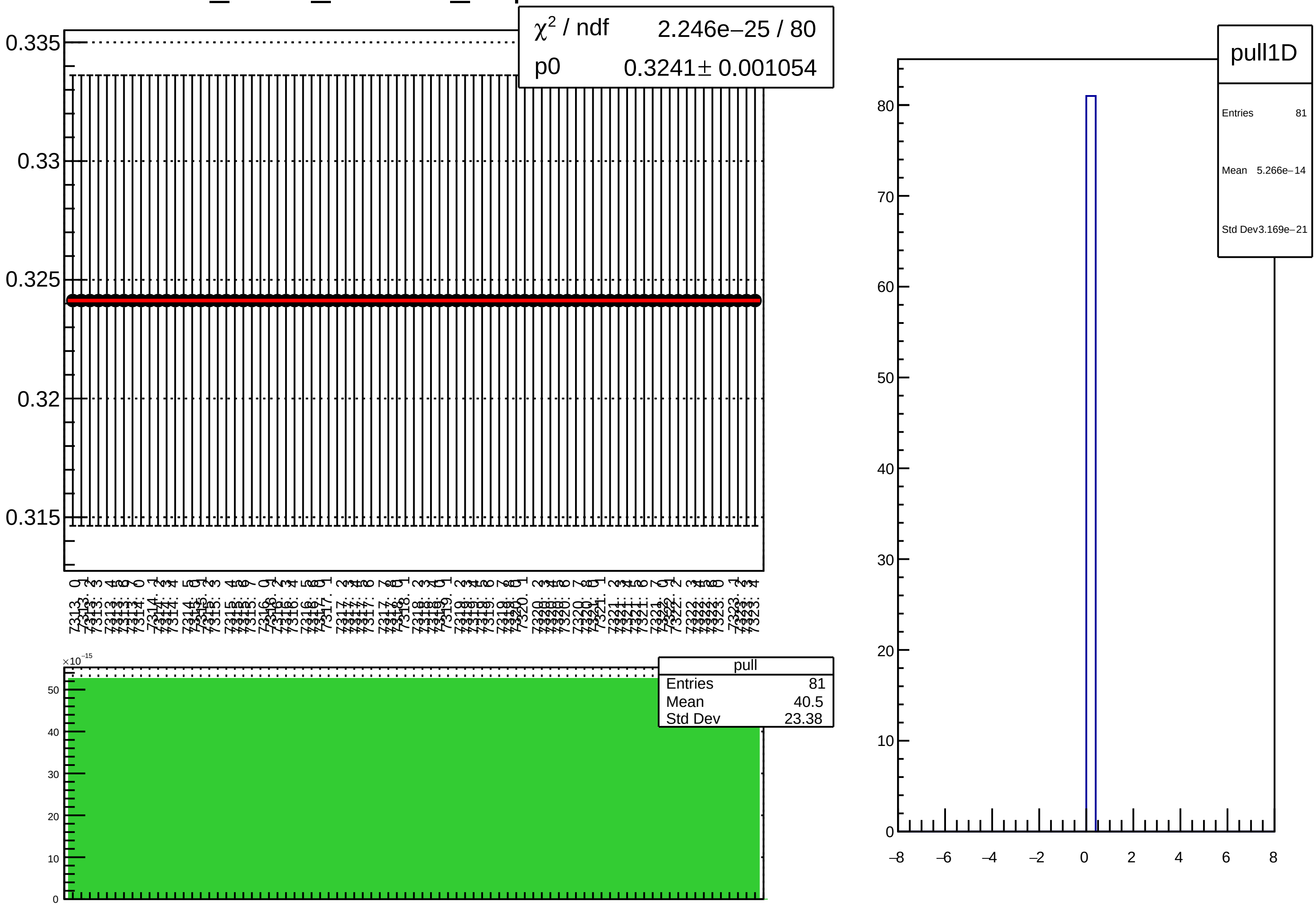


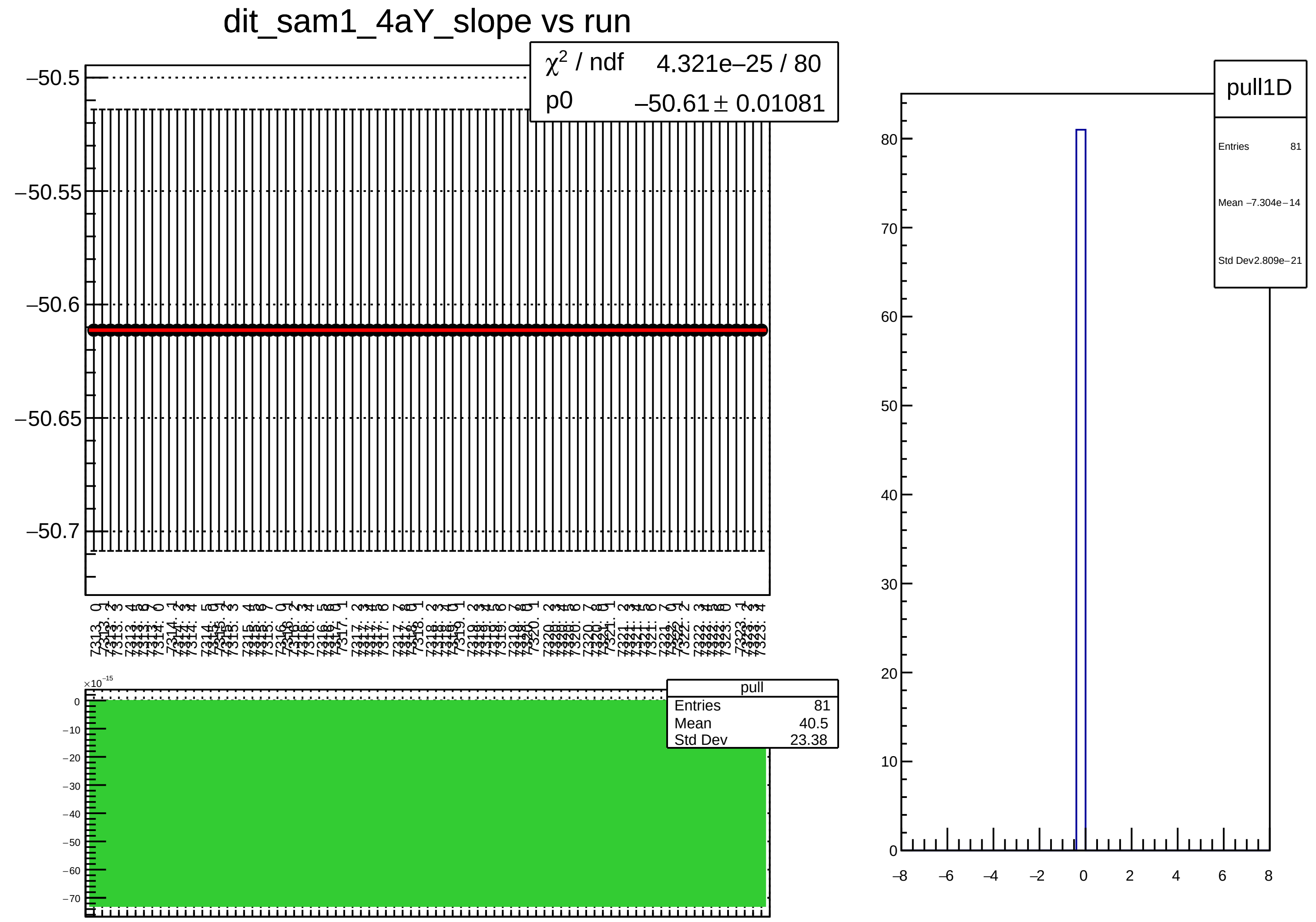
dit_sam1_4aX_slope vs run
χ^2 / ndf 3.081e−27 / 80
p0 1.421 ± 0.032
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 6.167e−15
Std Dev 2.9e−22



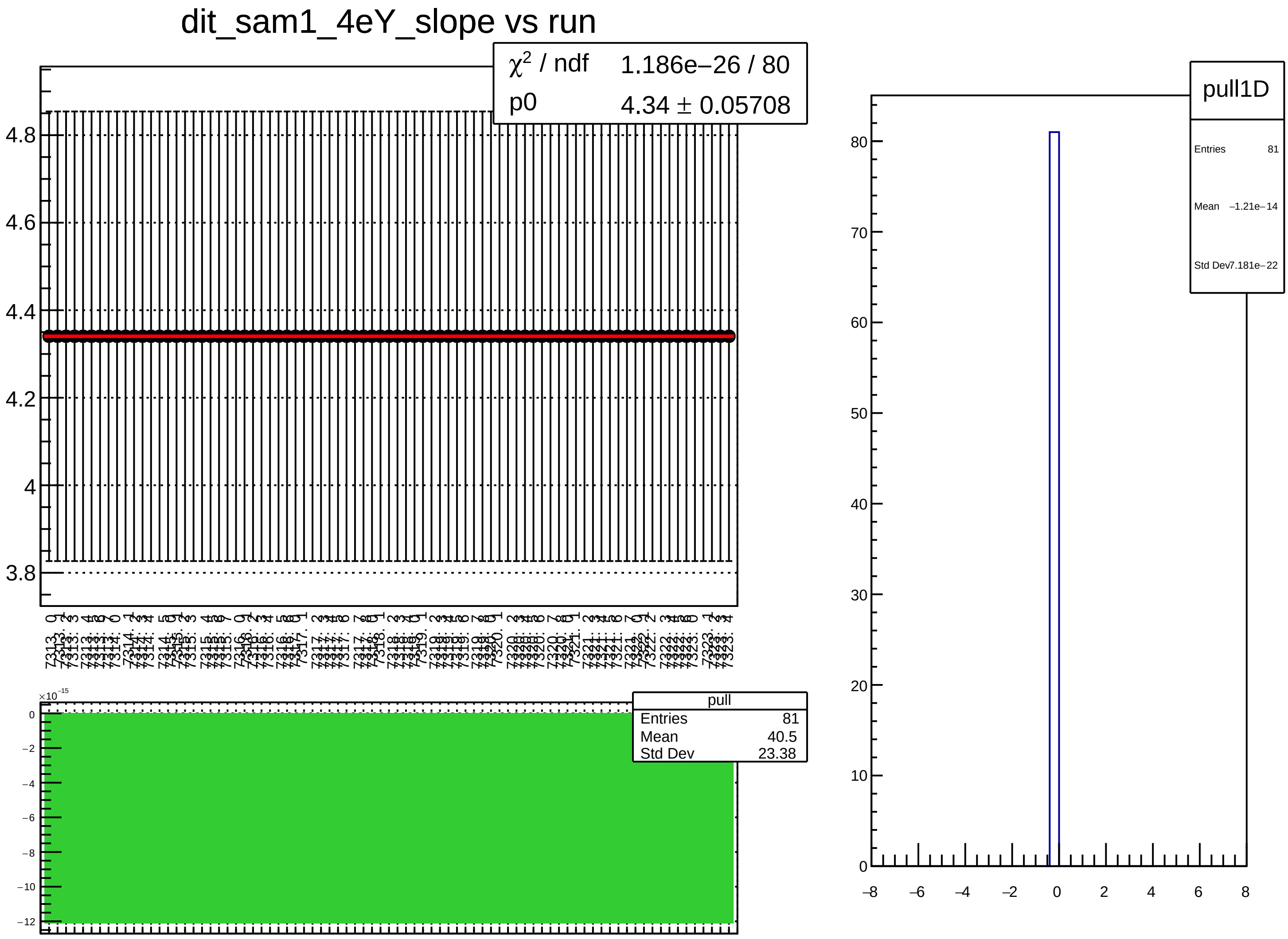
dit_sam1_4eX_slope vs run
χ2 / ndf 1.382e−24 / 80
p0 −15.68 ± 0.02871
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.306e−13
Std Dev 3.788e−21

dit_sam1_11X12X_slope vs run

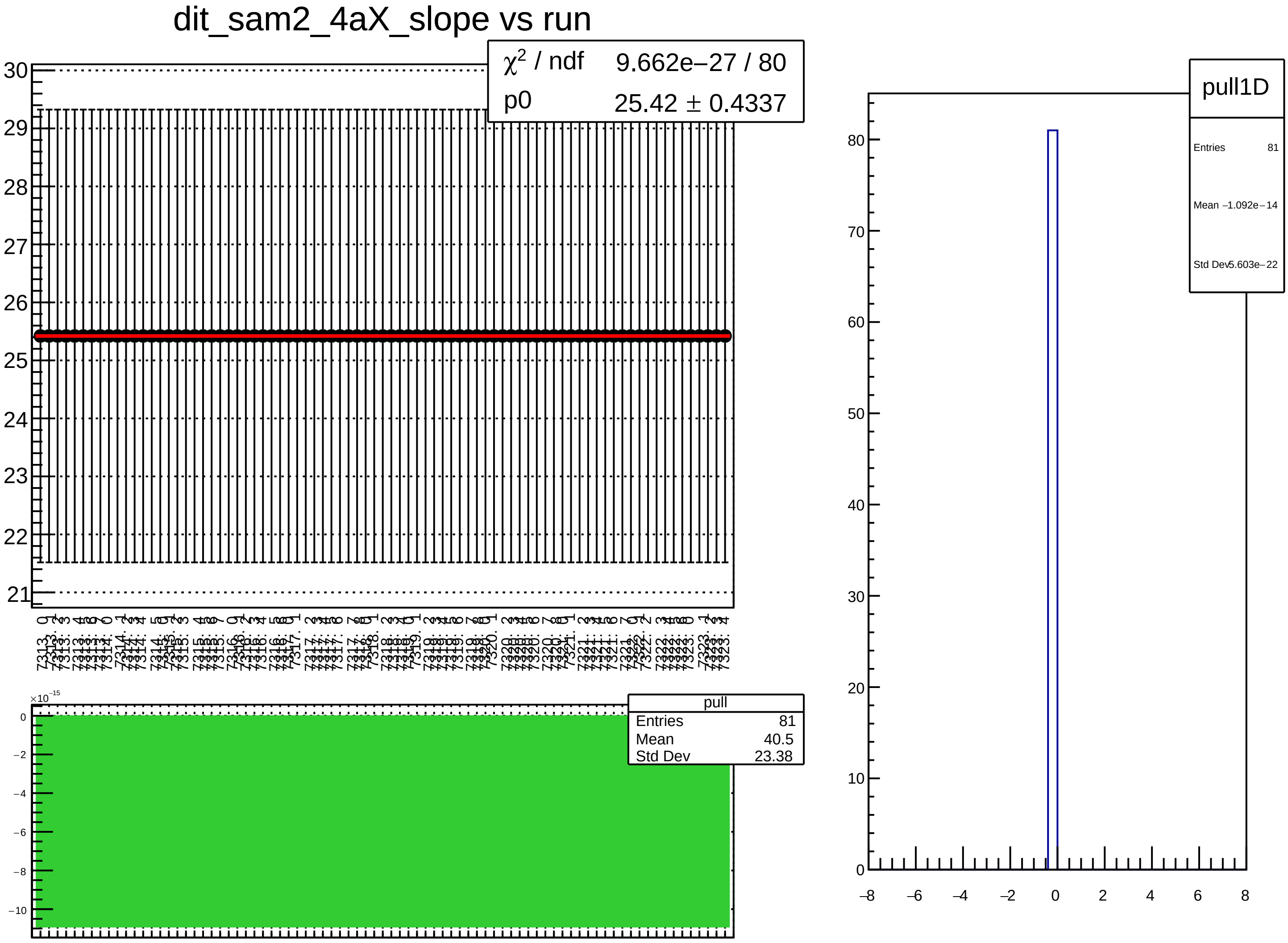




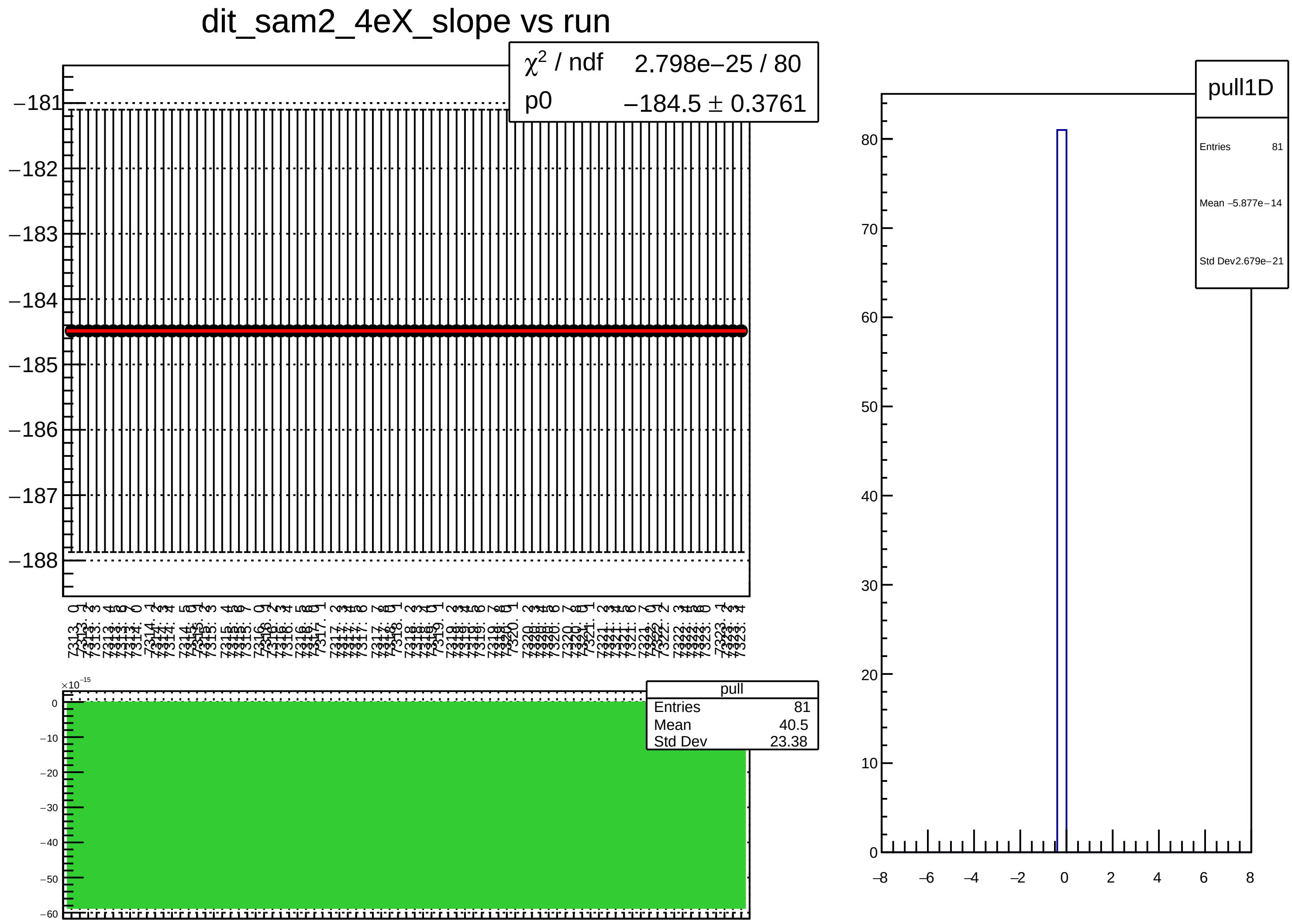
dit_sam1_4aY_slope vs run
χ^2 / ndf 4.321e−25 / 80
p0 −50.61 ± 0.01081
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.304e−14
Std Dev 2.809e−21



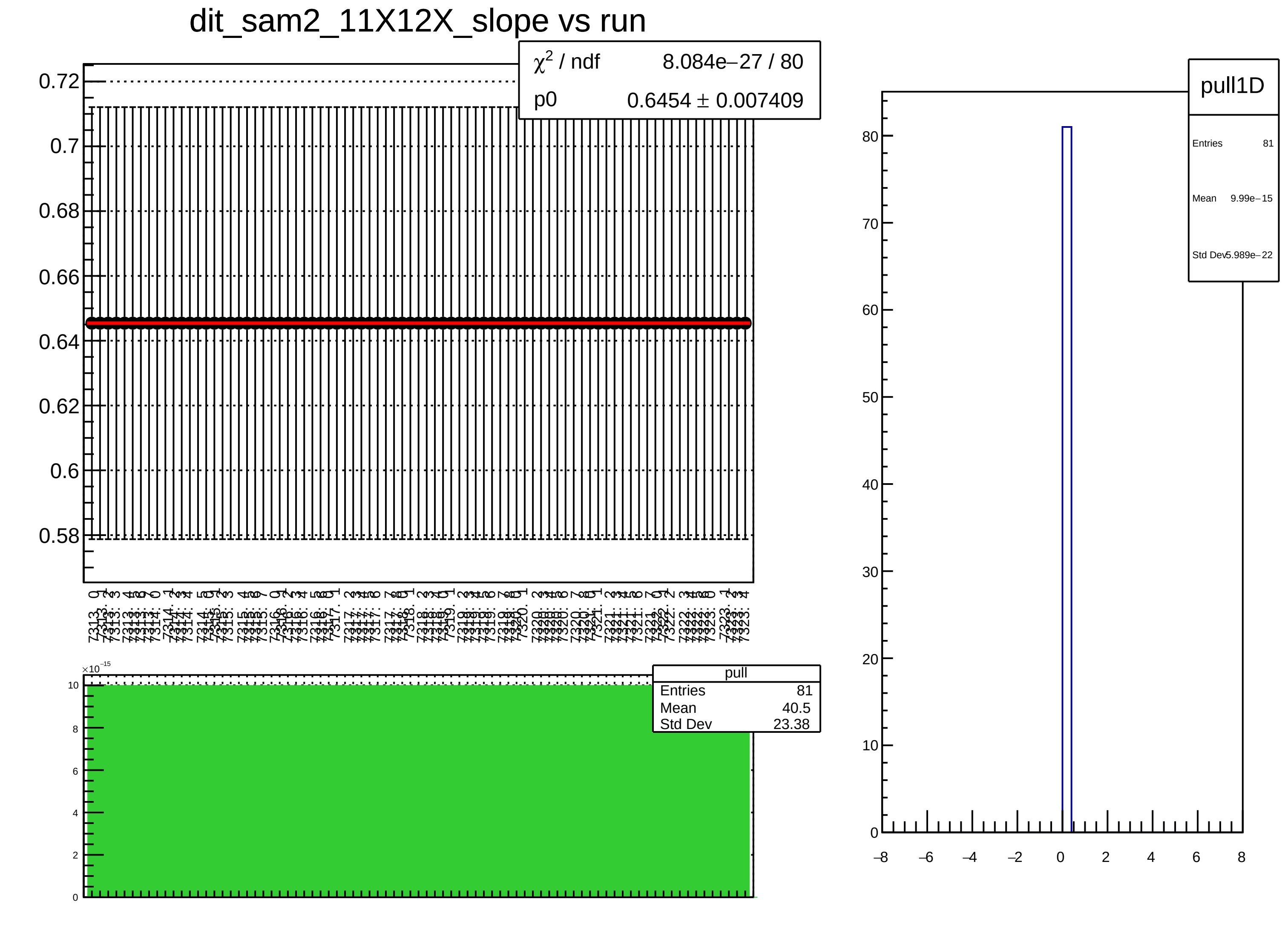
dit_sam1_4eY_slope vs run
χ^2 / ndf 1.186e−26 / 80
p0 4.34 ± 0.05708
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.21e−14
Std Dev 7.181e−22

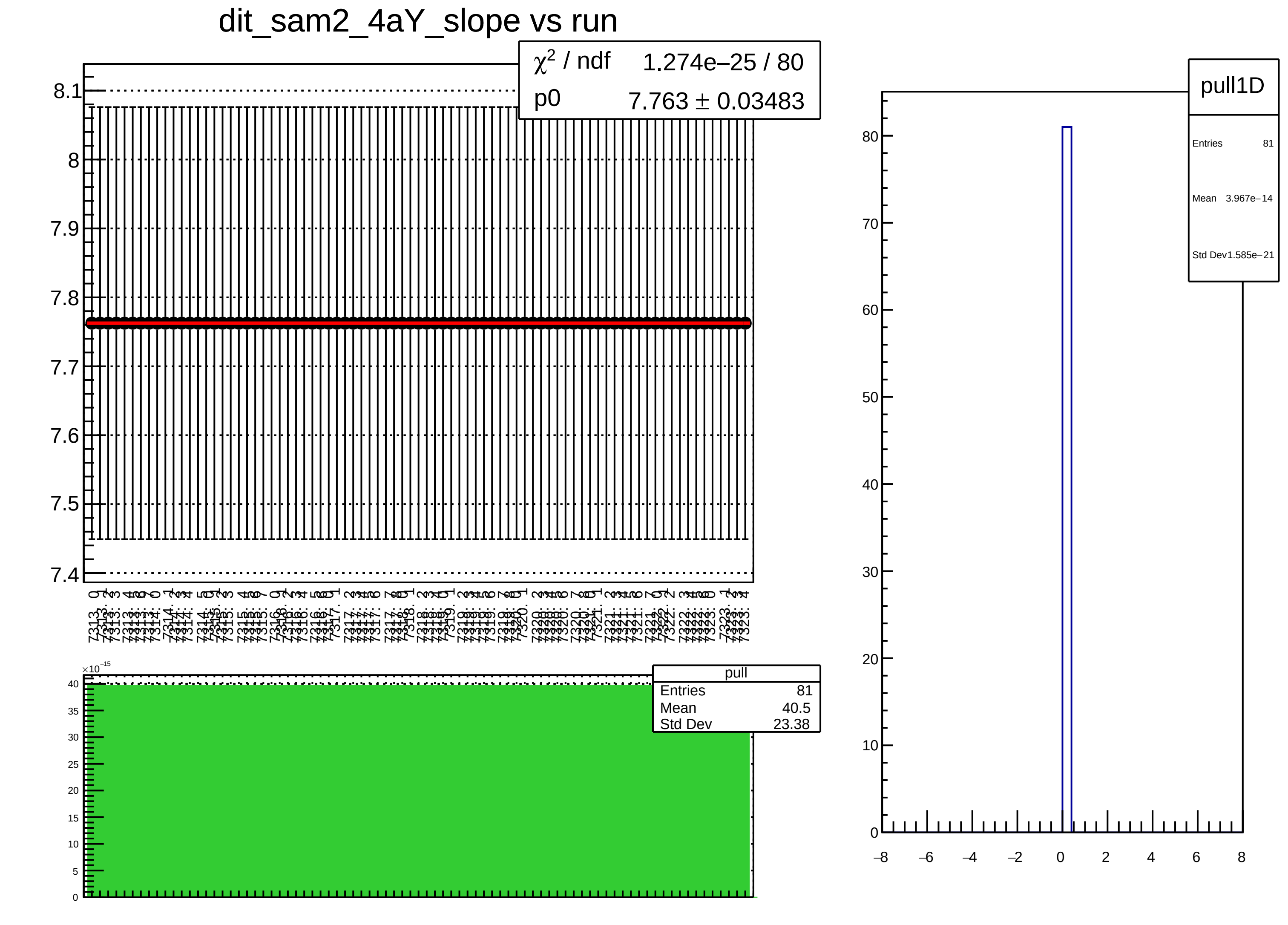


dit_sam2_4aX_slope vs run
χ2 / ndf 9.662e−27 / 80
p0 25.42 ± 0.4337
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.092e−14
Std Dev 5.603e−22

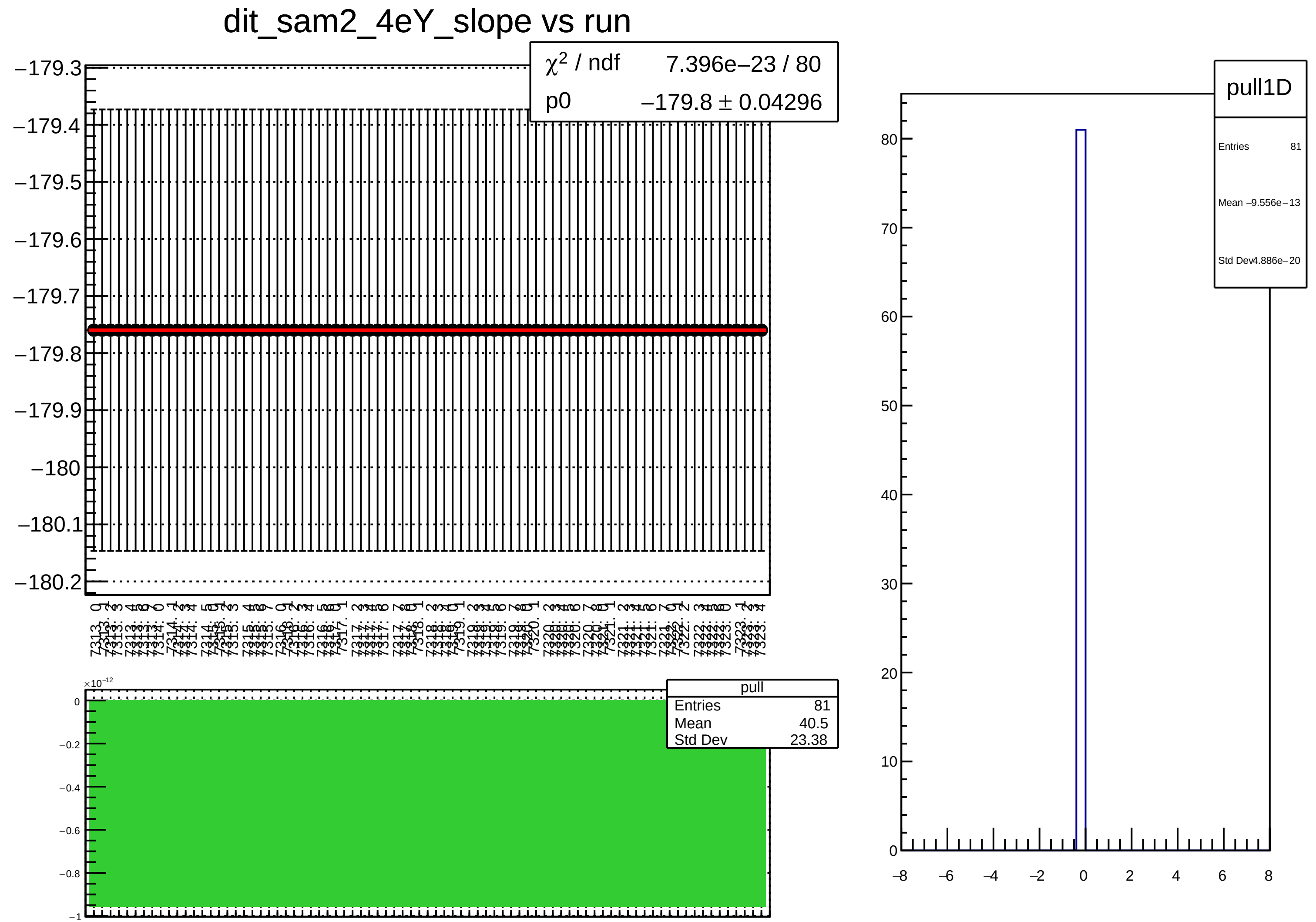


dit_sam2_4eX_slope vs run
χ^2 / ndf 2.798e−25 / 80
p0 −184.5 ± 0.3761
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −5.877e−14
Std Dev 2.679e−21


dit_sam2_11X12X_slope vs run
χ2 / ndf 8.084e−27 / 80
p0 0.6454 ± 0.007409
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 9.99e−15
Std Dev 5.989e−22

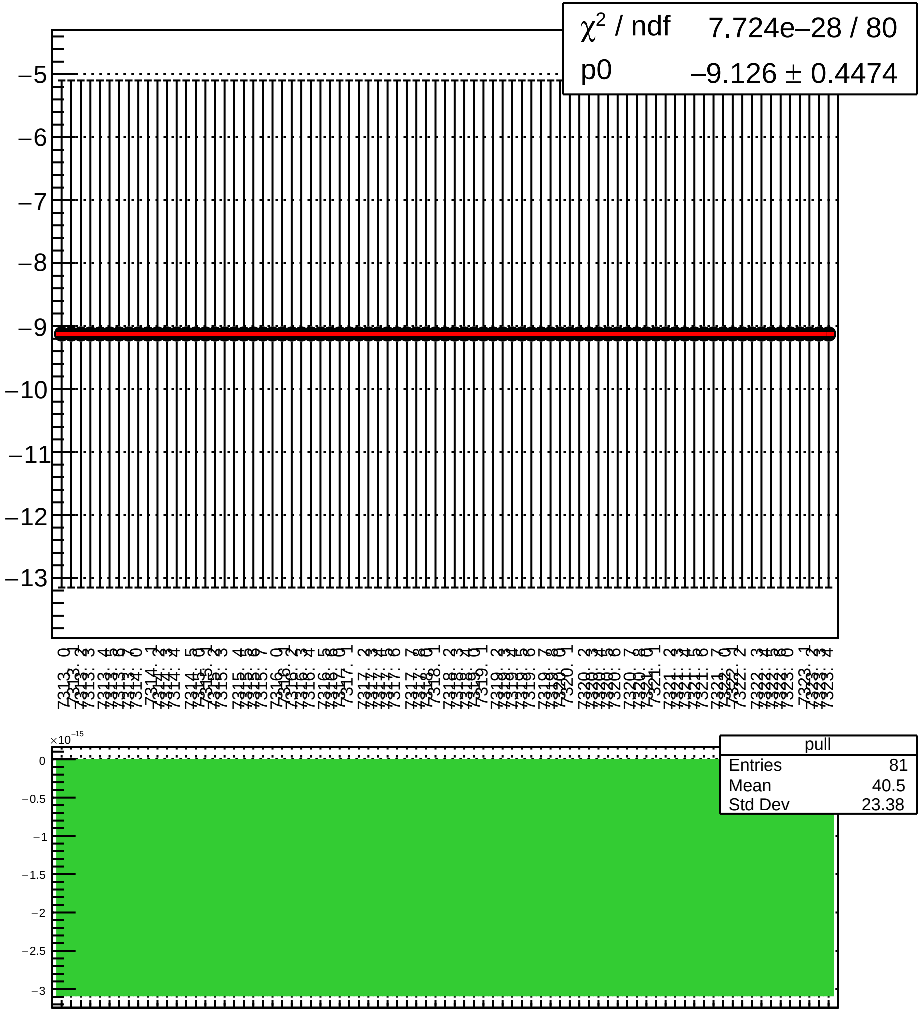


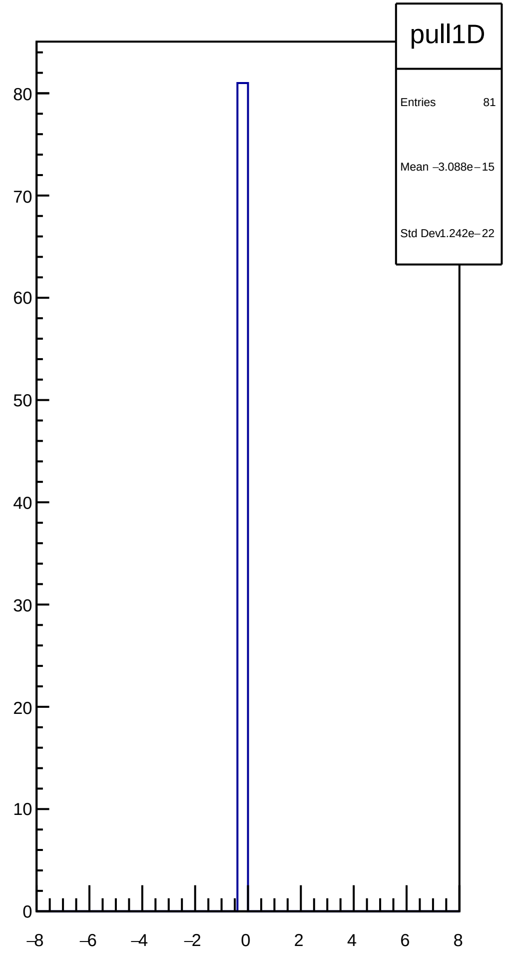
dit_sam2_4aY_slope vs run
χ^2 / ndf 1.274e−25 / 80
p0 7.763 ± 0.03483
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 3.967e−14
Std Dev 1.585e−21

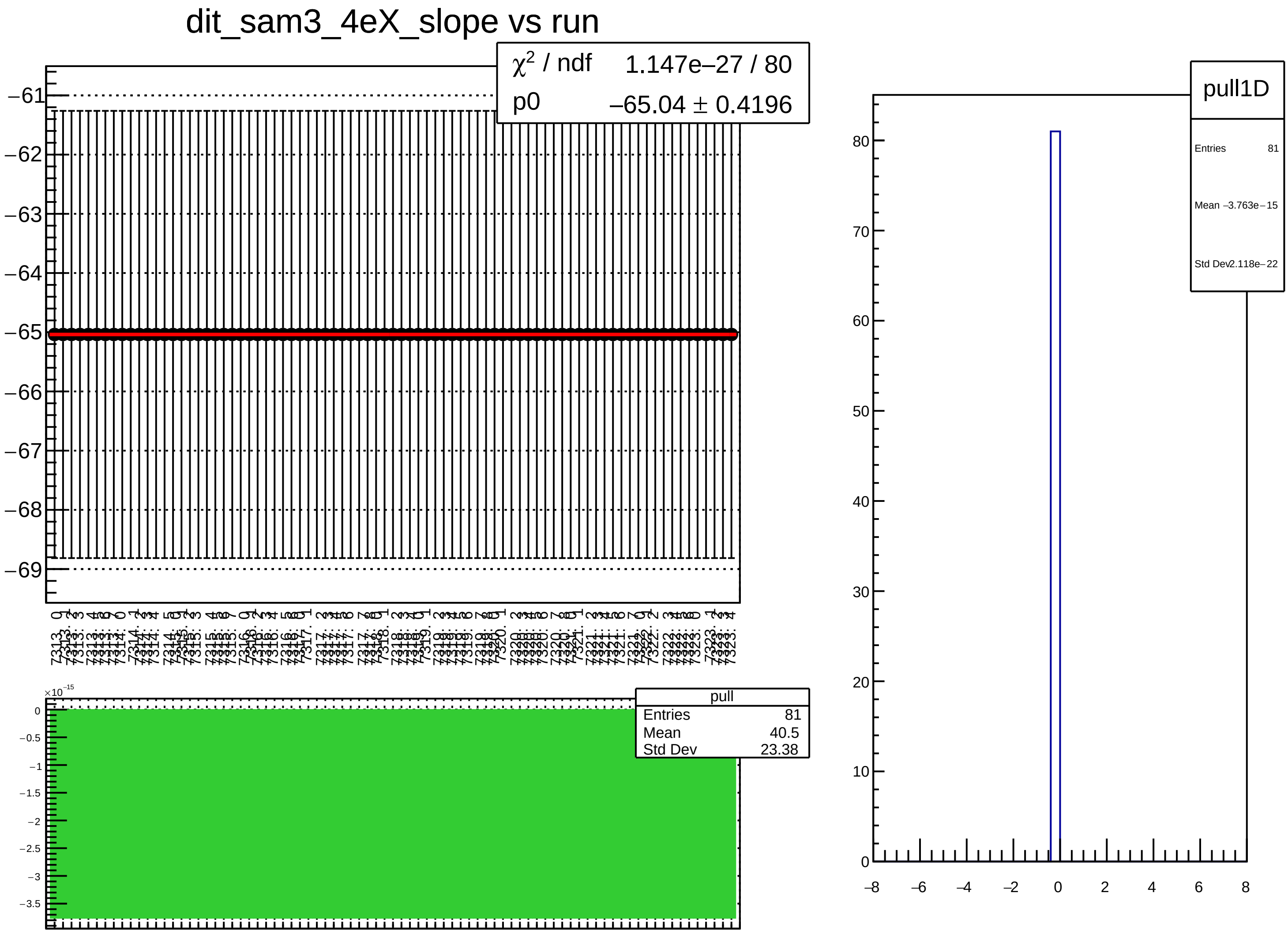


dit_sam2_4eY_slope vs run
χ^2 / ndf 7.396e−23 / 80
p0 −179.8 ± 0.04296
−179.3
−179.4
−179.5
−179.6
−179.7
−179.8
−179.9
−180
−180.1
−180.2
$\times10^{-12}$
0
−0.2
−0.4
−0.6
−0.8
−1
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −9.556e−13
Std Dev4.886e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

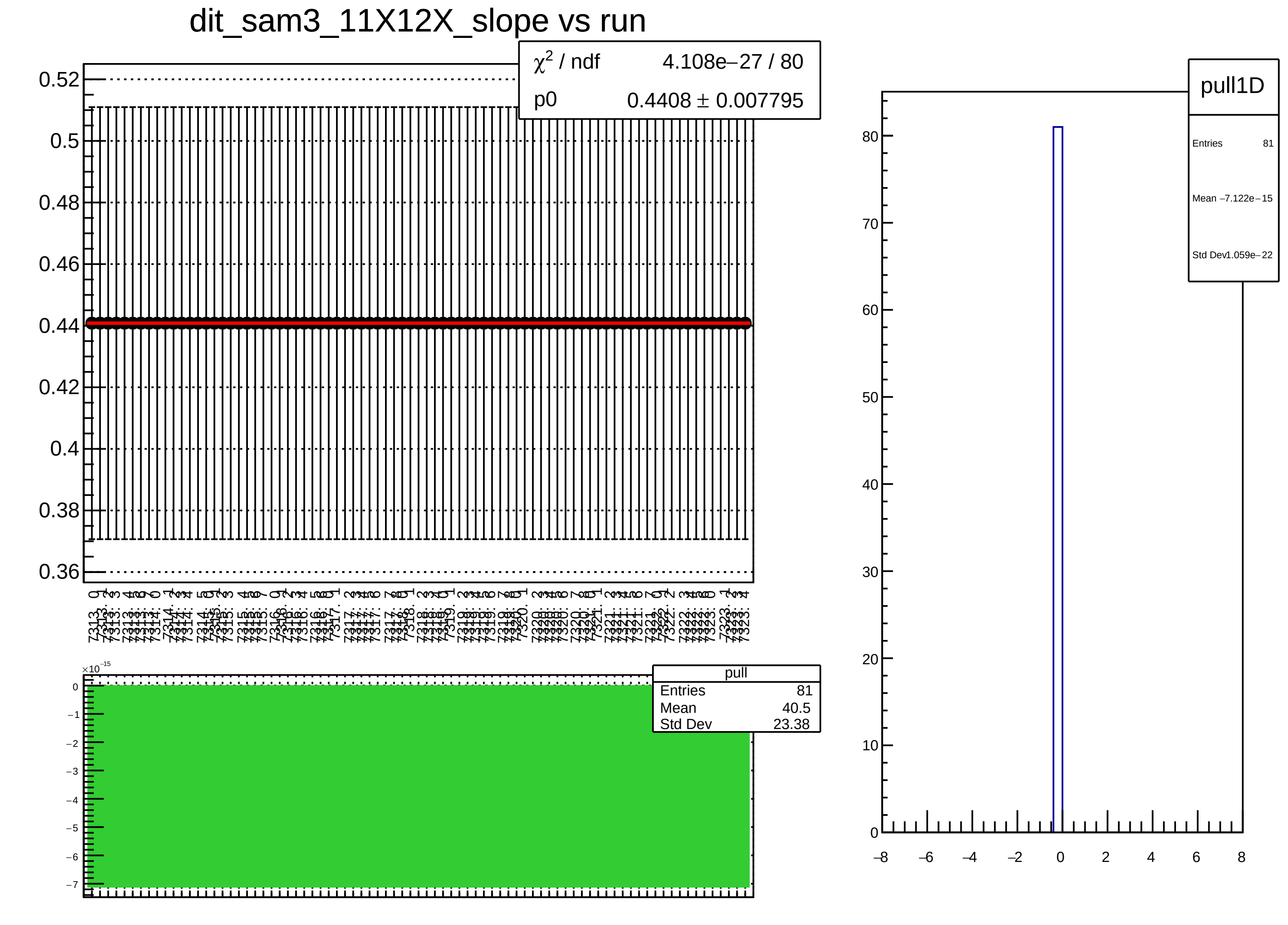
dit_sam3_4aX_slope vs run



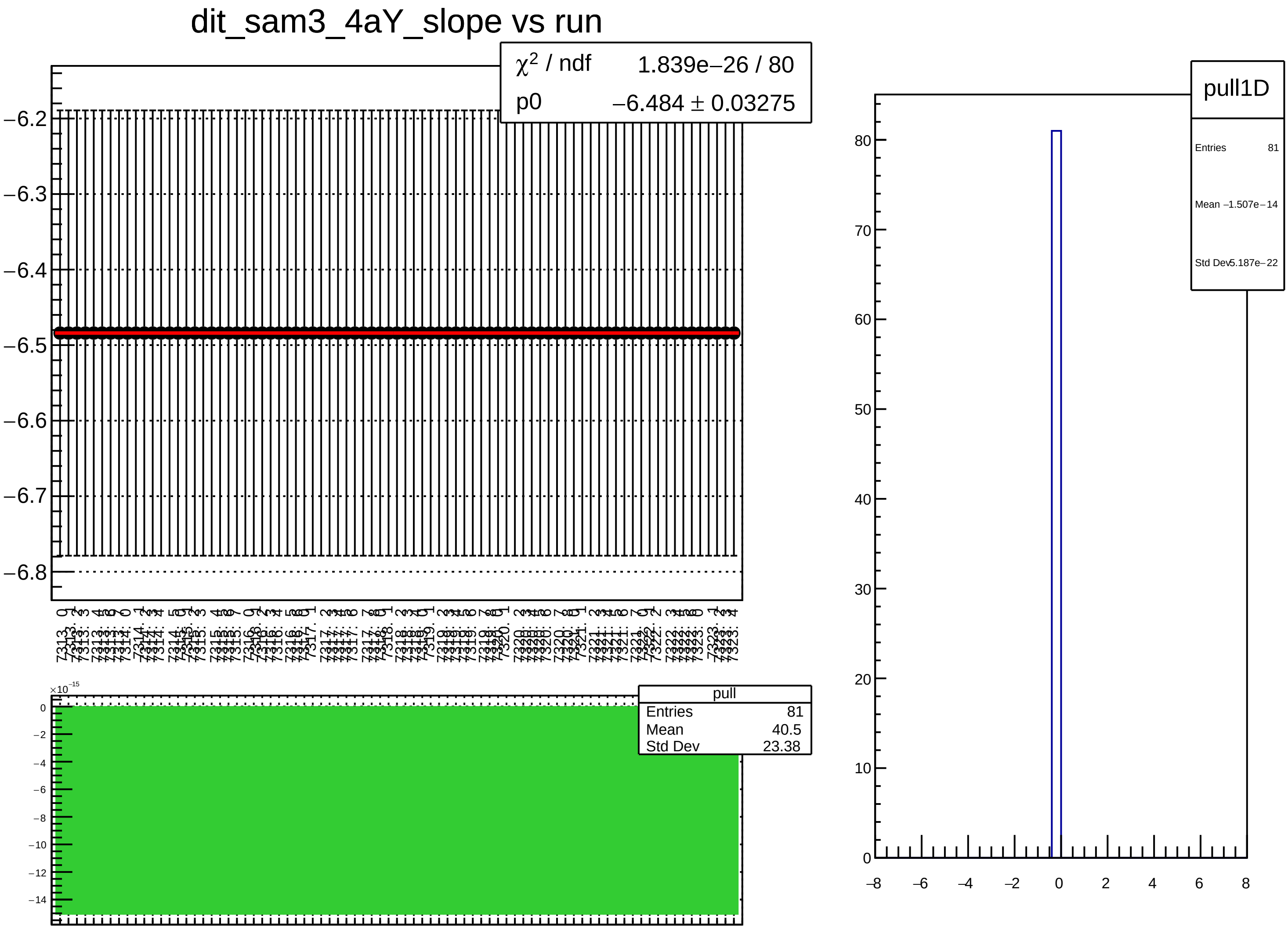


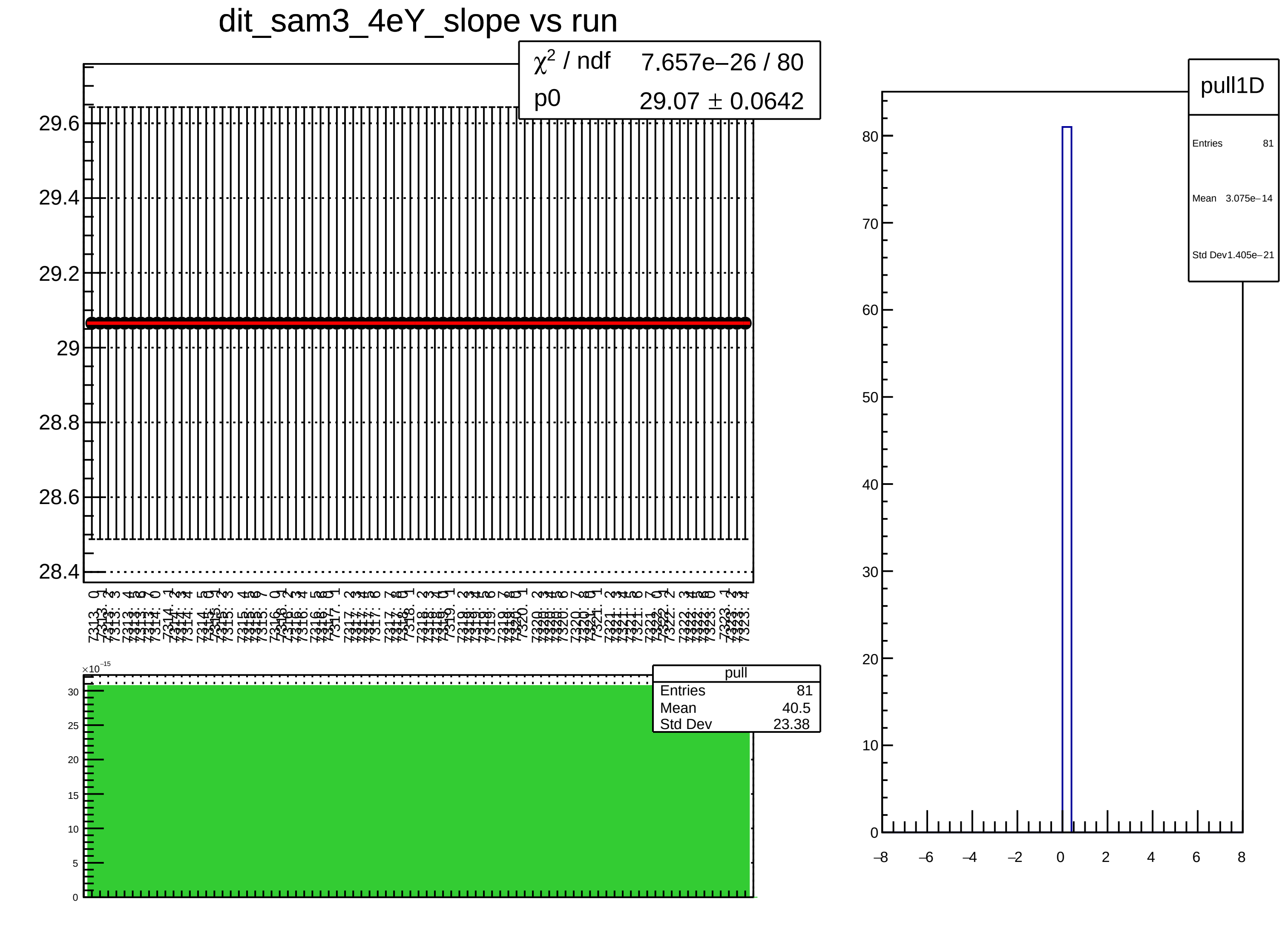


dit_sam3_4eX_slope vs run
χ2 / ndf 1.147e−27 / 80
p0 −65.04 ± 0.4196
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −3.763e−15
Std Dev2.118e−22



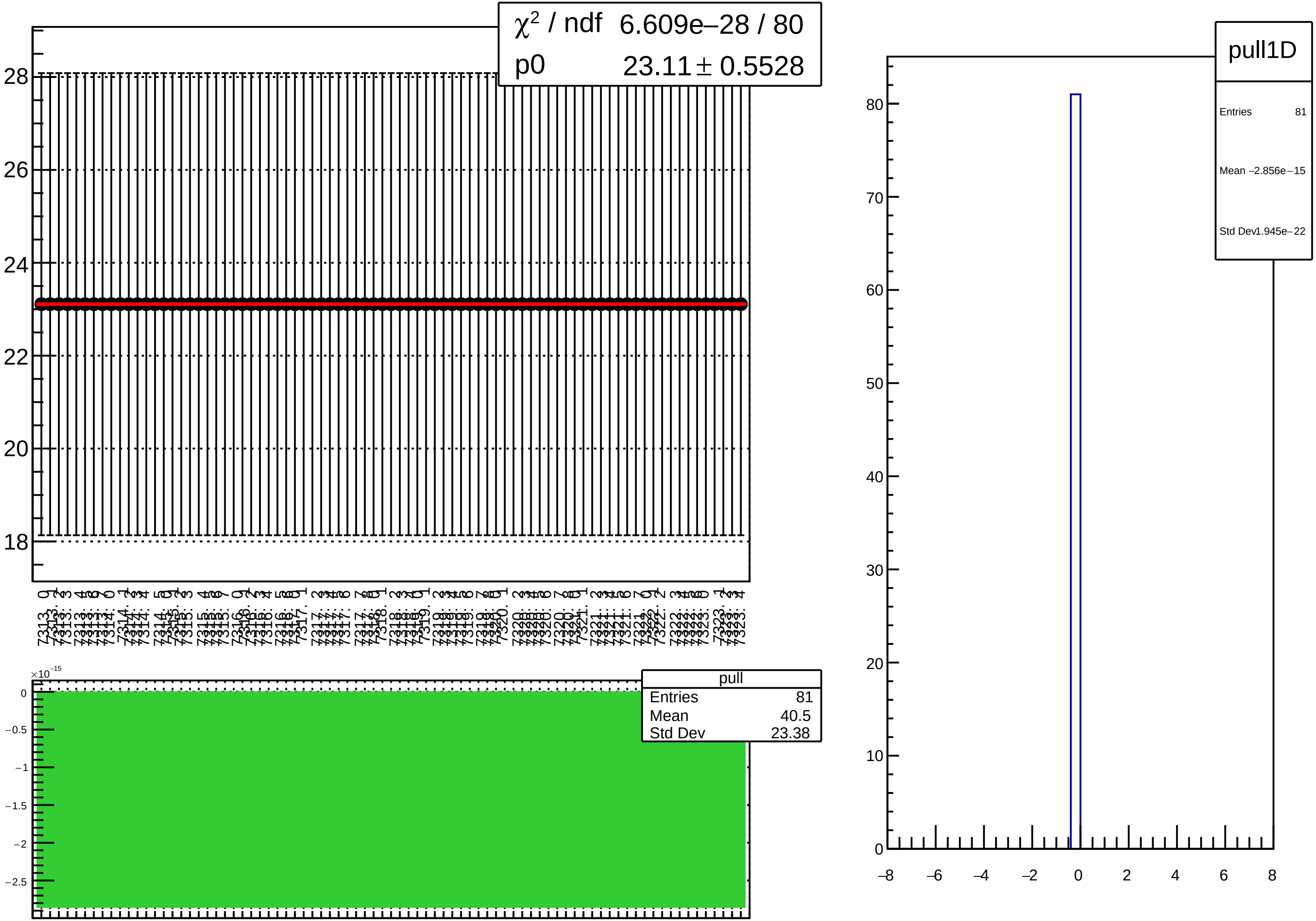
dit_sam3_11X12X_slope vs run
χ2 / ndf 4.108e−27 / 80
p0 0.4408 ± 0.007795
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.122e−15
Std Dev 1.059e−22

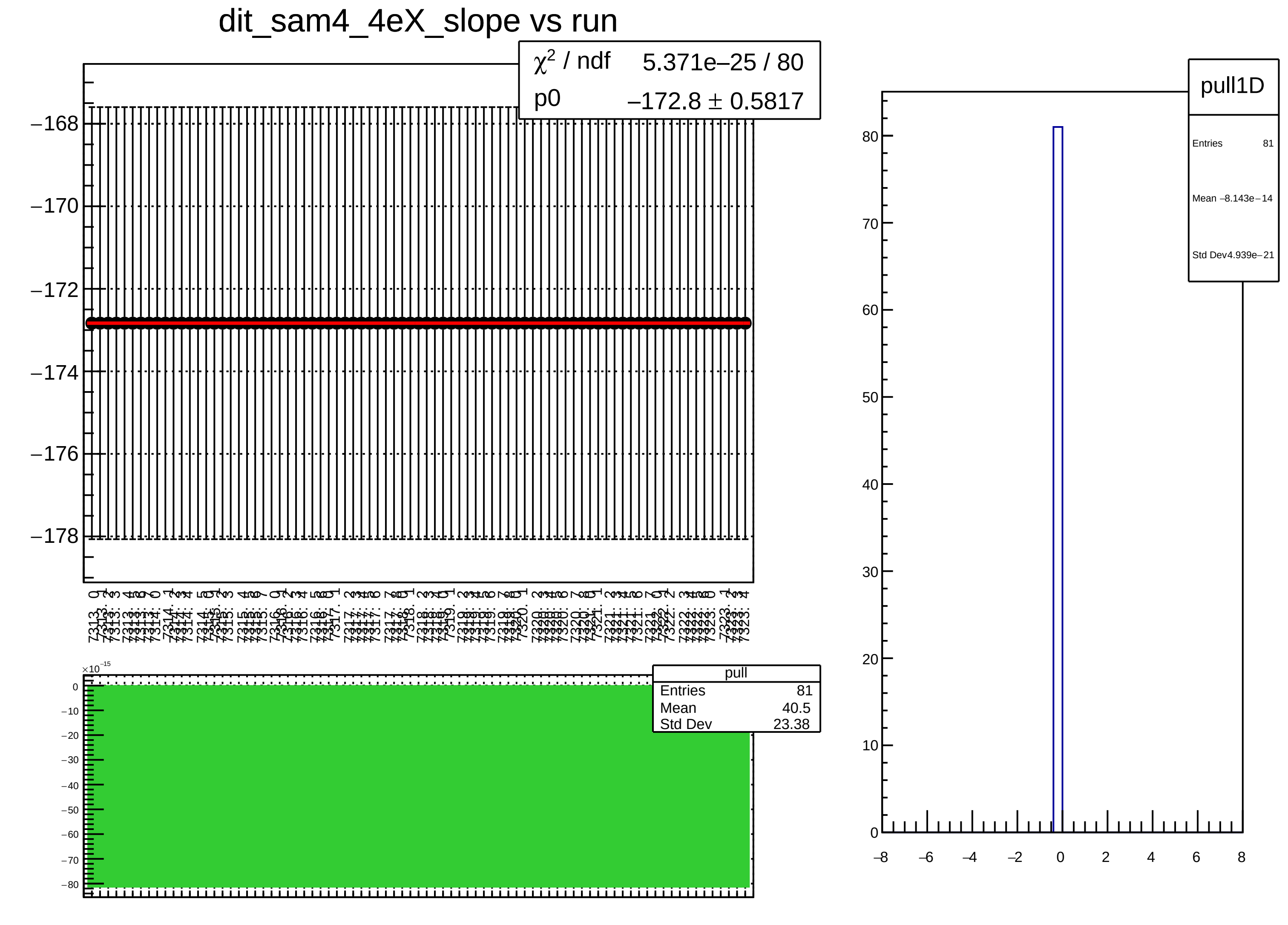

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.839e−26 / 80
p0 −6.484 ± 0.03275
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.507e−14
Std Dev 5.187e−22



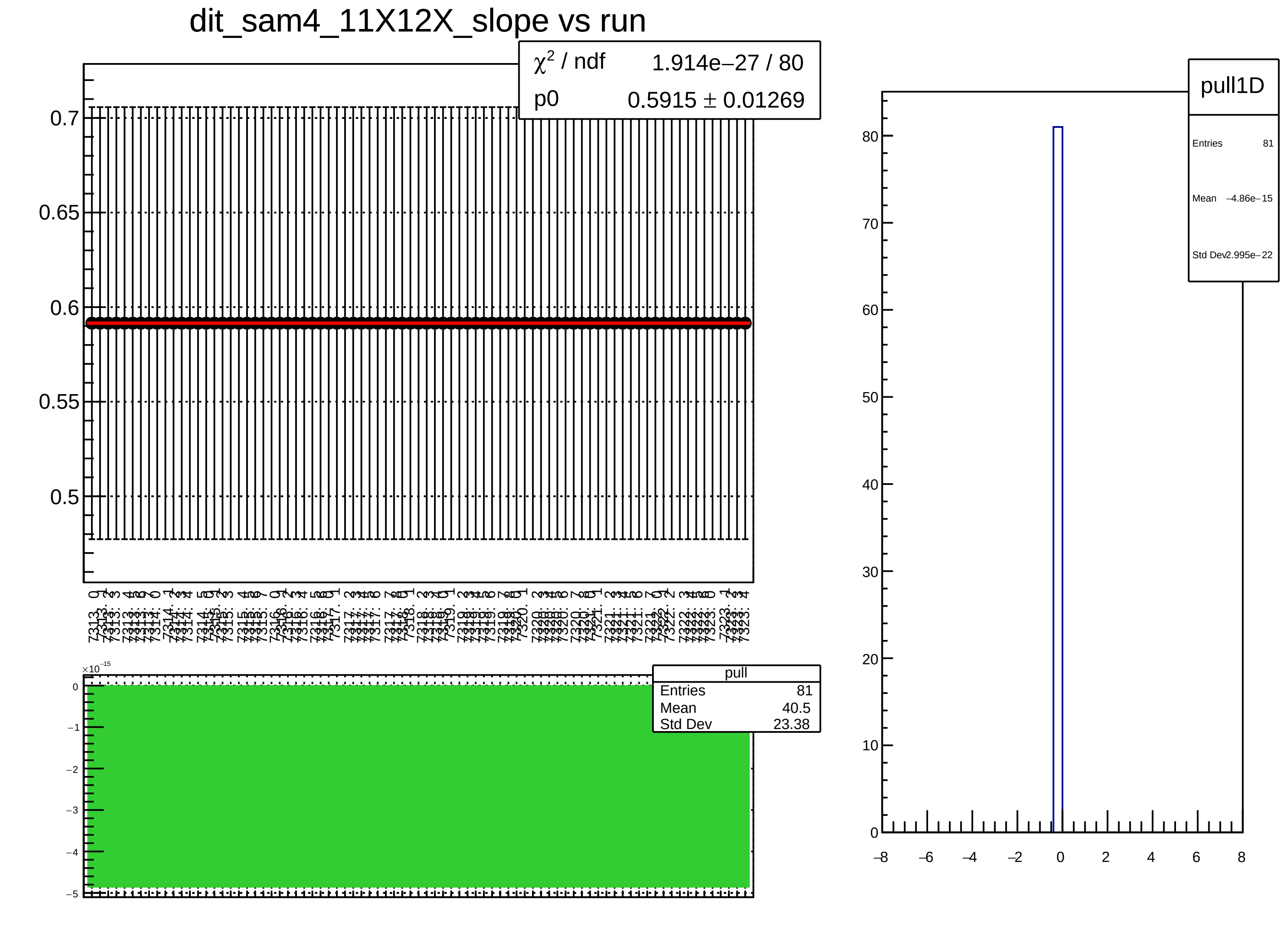
dit_sam3_4eY_slope vs run
χ^2 / ndf 7.657e−26 / 80
p0 29.07 ± 0.0642
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 3.075e−14
Std Dev 1.405e−21

dit_sam4_4aX_slope vs run

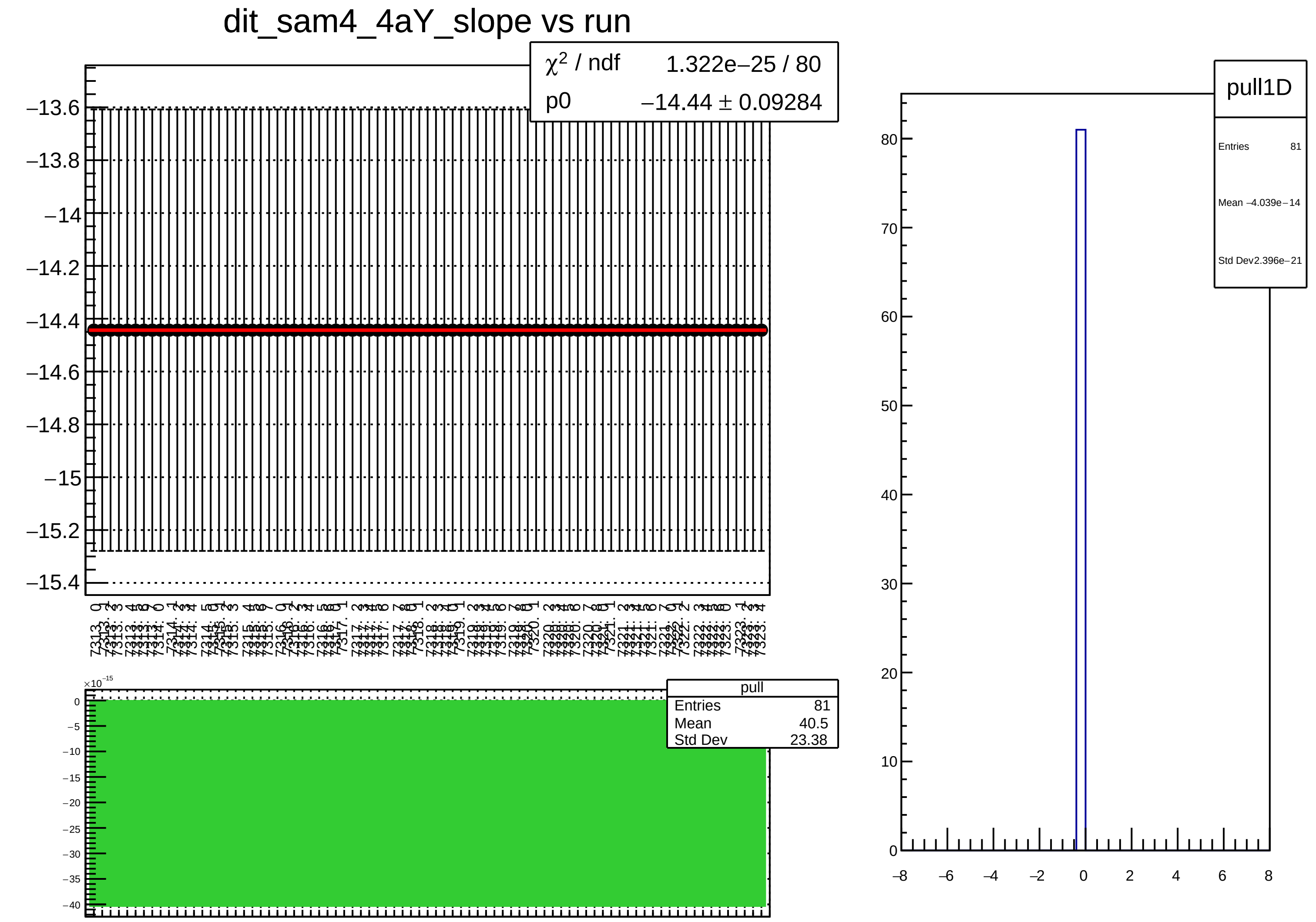




dit_sam4_4eX_slope vs run
χ^2 / ndf 5.371e−25 / 80
p0 −172.8 ± 0.5817
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −8.143e−14
Std Dev 4.939e−21

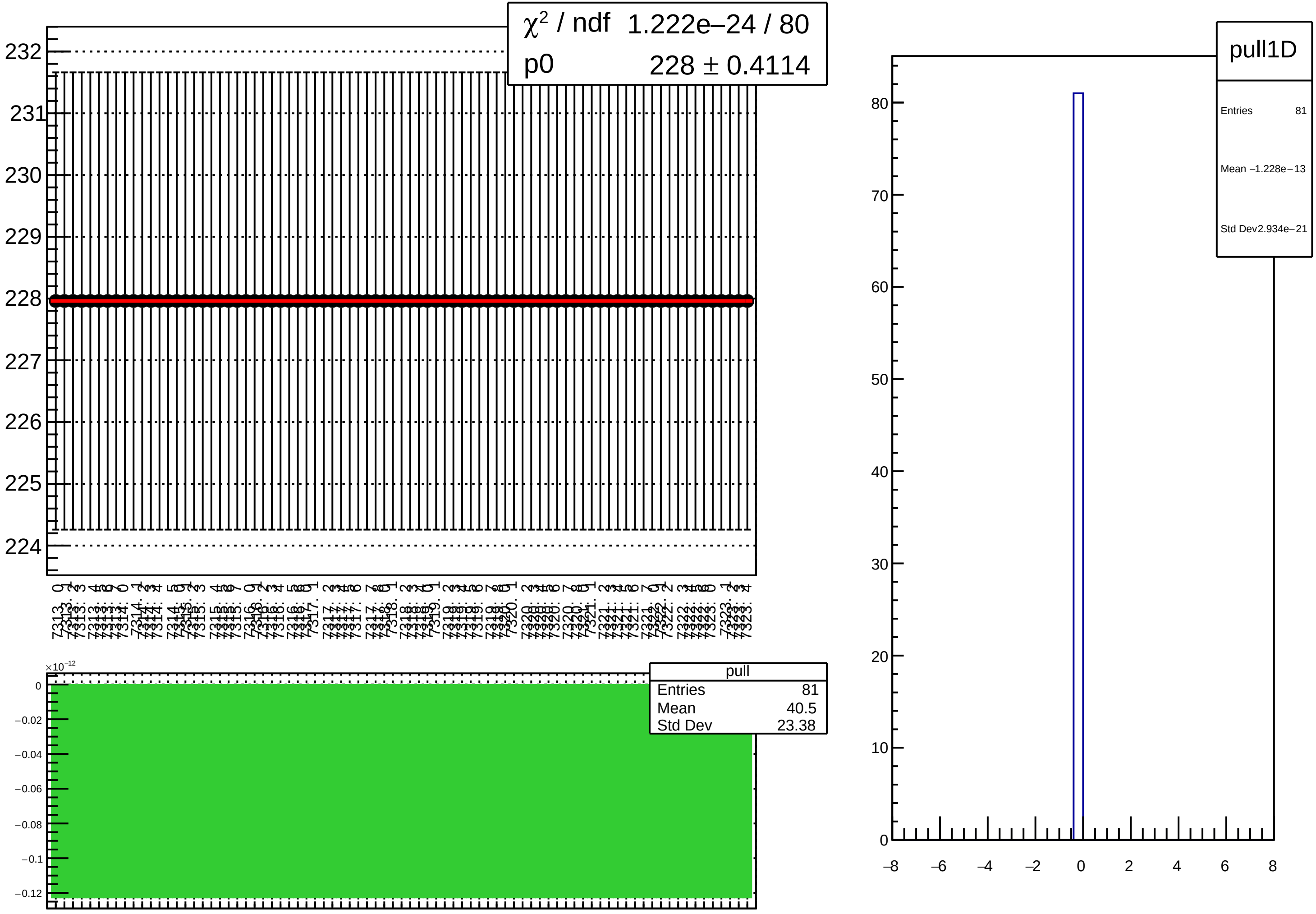


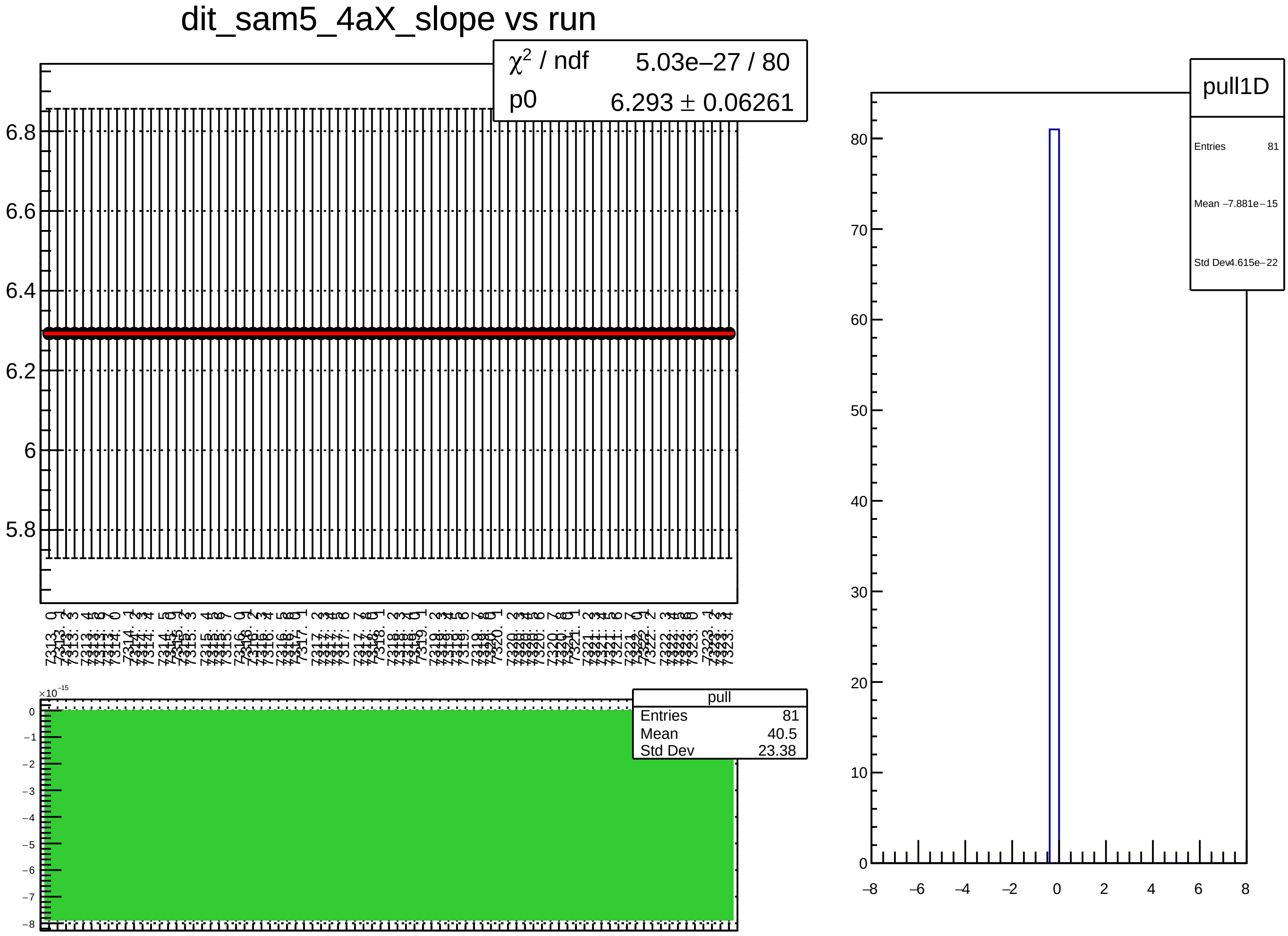
dit_sam4_11X12X_slope vs run
χ^2 / ndf 1.914e−27 / 80
p0 0.5915 ± 0.01269
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.86e−15
Std Dev 2.995e−22



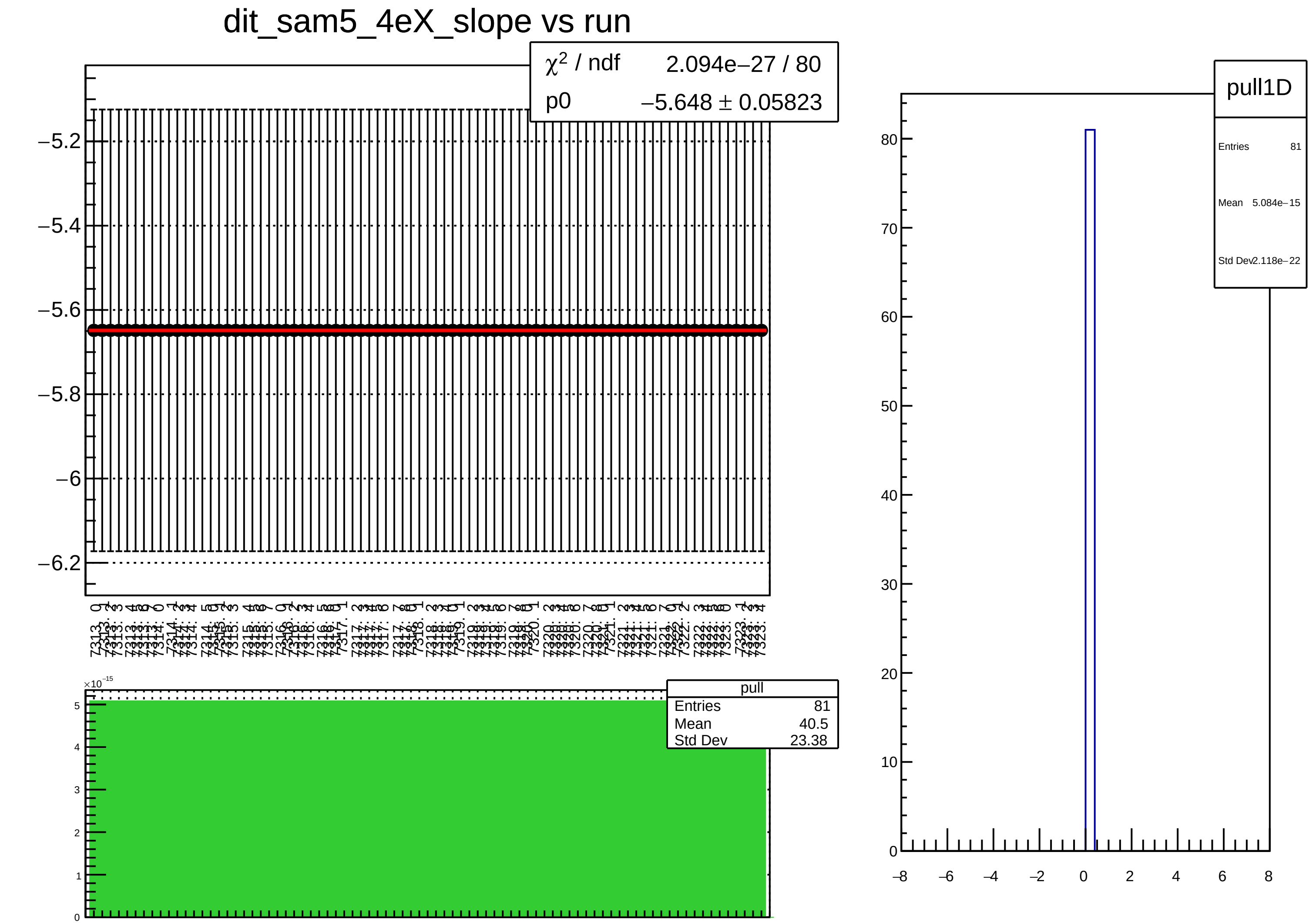
dit_sam4_4aY_slope vs run
χ^2 / ndf 1.322e−25 / 80
p0 −14.44 ± 0.09284
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.039e−14
Std Dev 2.396e−21

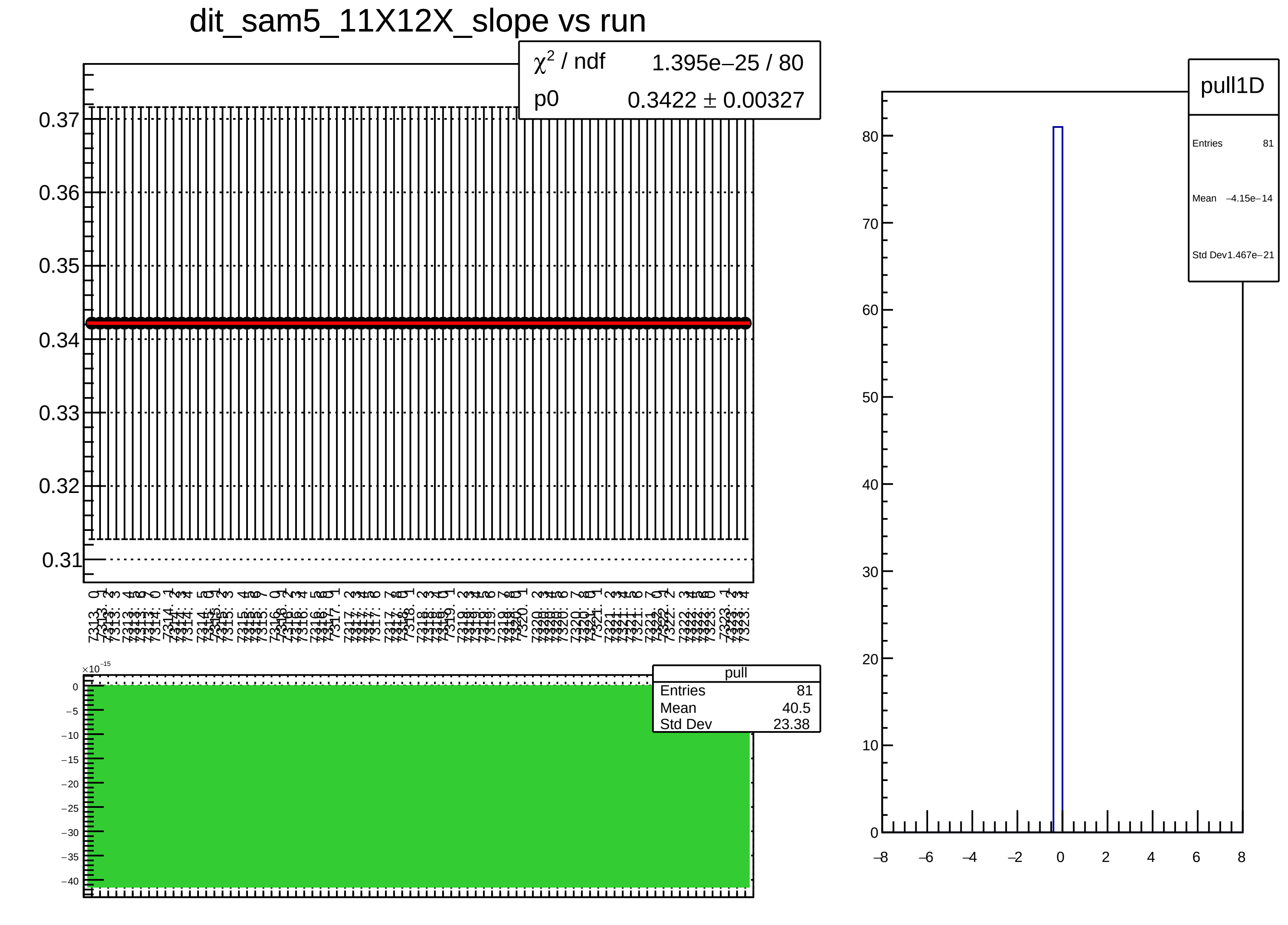
dit_sam4_4eY_slope vs run

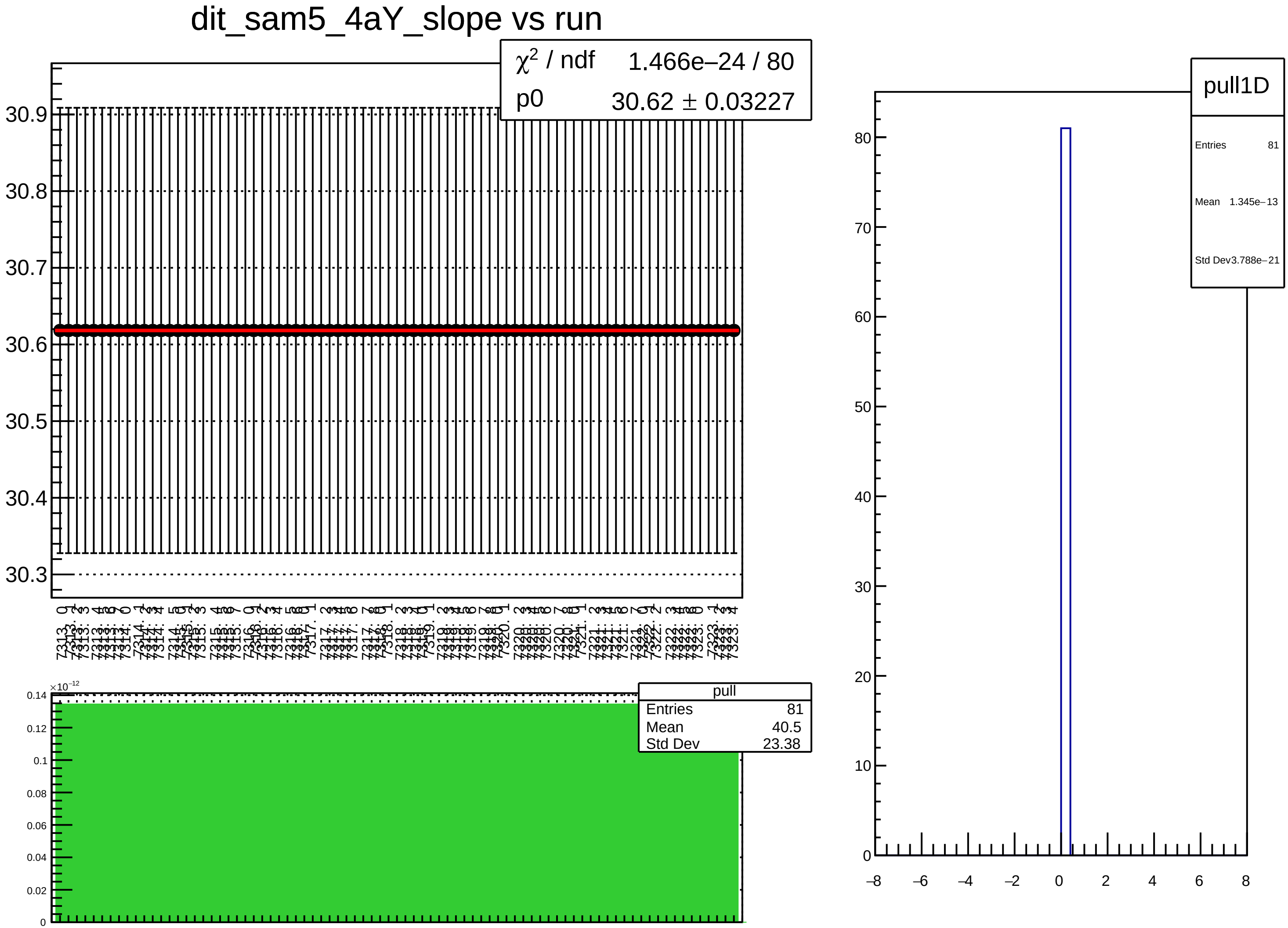


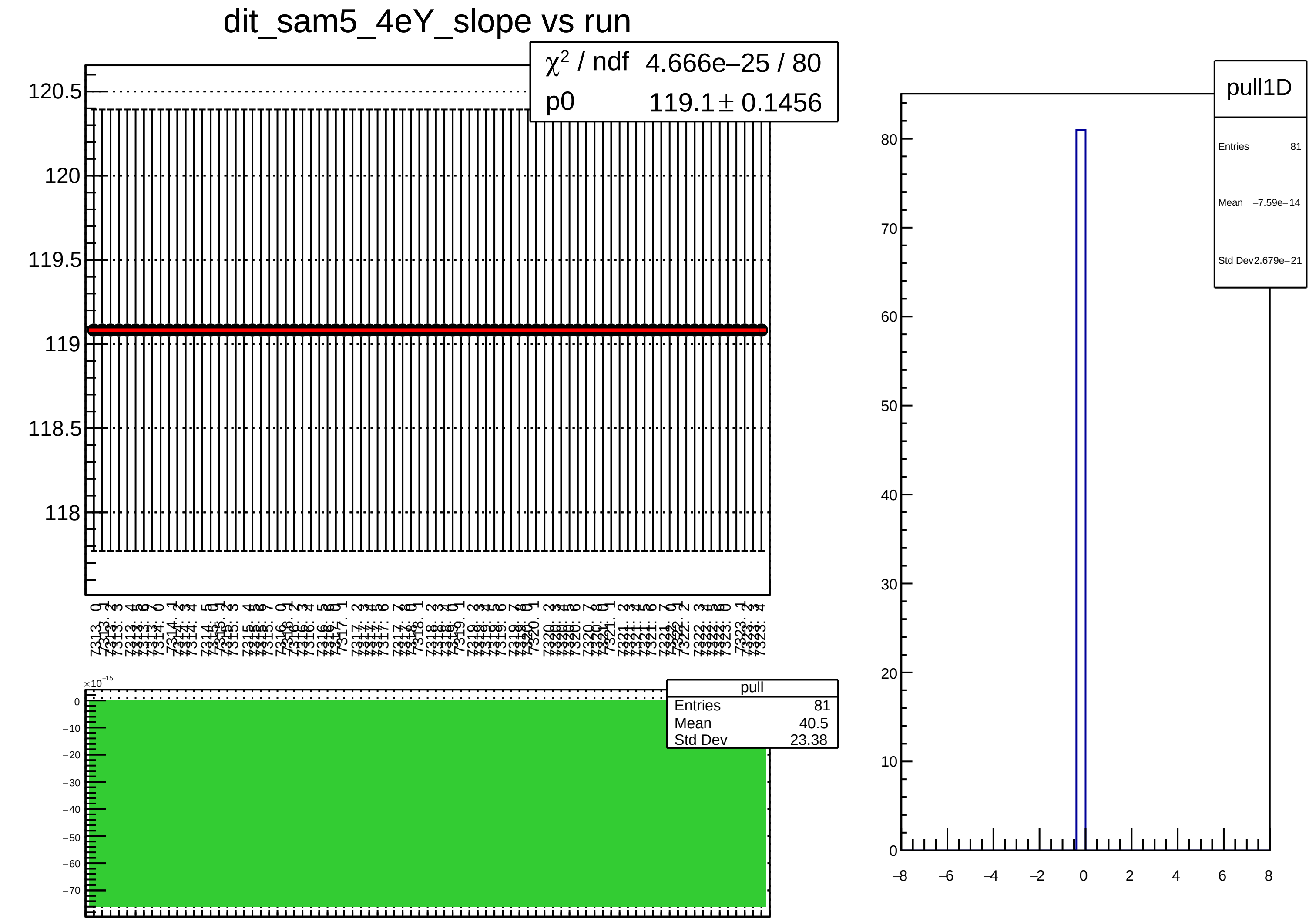


dit_sam5_4aX_slope vs run
χ^2 / ndf 5.03e−27 / 80
p0 6.293 ± 0.06261
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.881e−15
Std Dev 4.615e−22

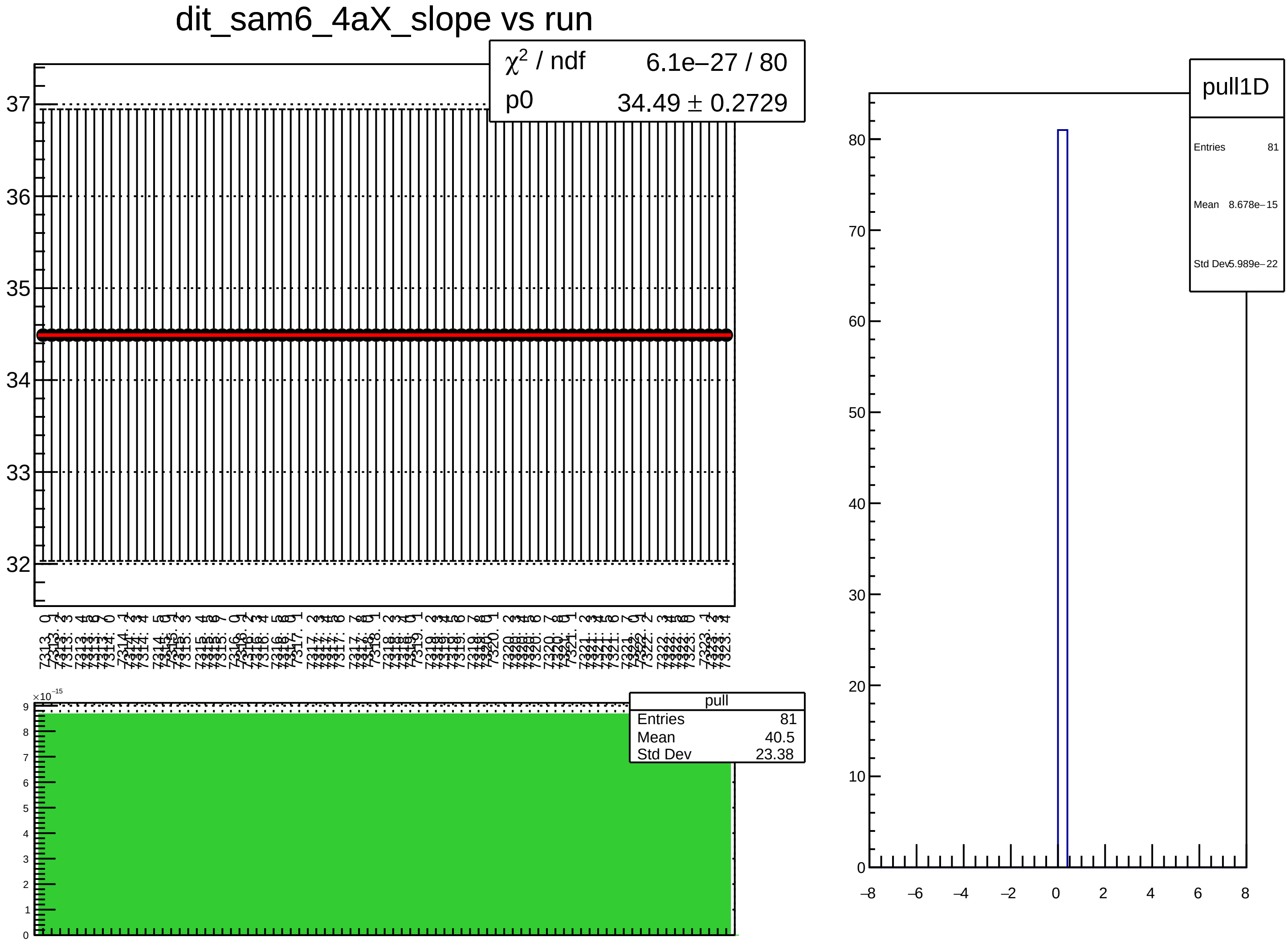

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.094e−27 / 80
p0 −5.648 ± 0.05823
−5.2
−5.4
−5.6
−5.8
−6
−6.2
×10^−15
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 5.084e−15
Std Dev 2.118e−22
0
10
20
30
40
50
60
70
80
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_11X12X_slope vs run
χ^2 / ndf 1.395e−25 / 80
p0 0.3422 ± 0.00327
0.37
0.36
0.35
0.34
0.33
0.32
0.31
×10−15
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.15e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

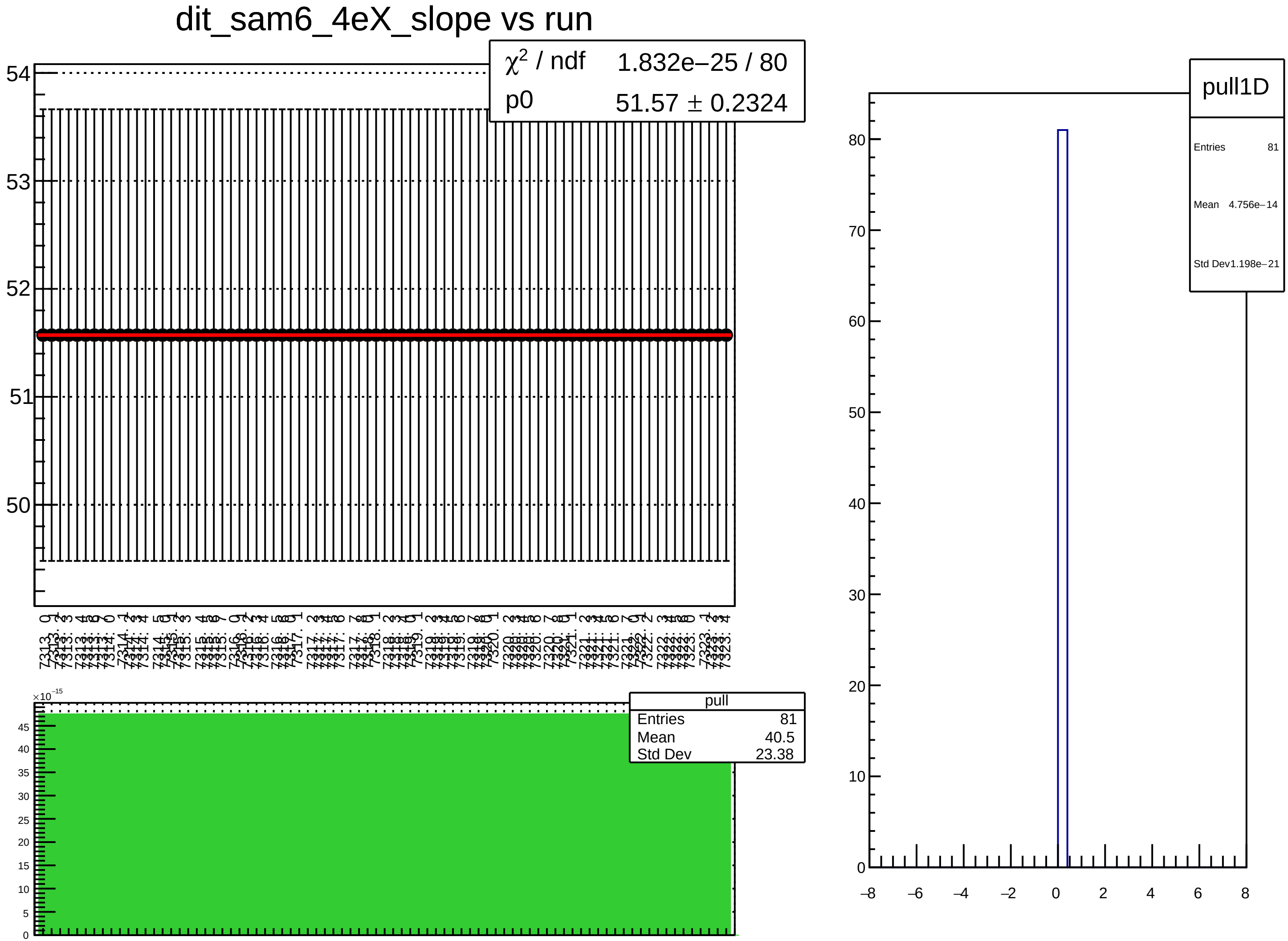

dit_sam5_4aY_slope vs run
χ2 / ndf 1.466e−24 / 80
p0 30.62 ± 0.03227
30.9
30.8
30.7
30.6
30.5
30.4
30.3
×10−12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.345e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



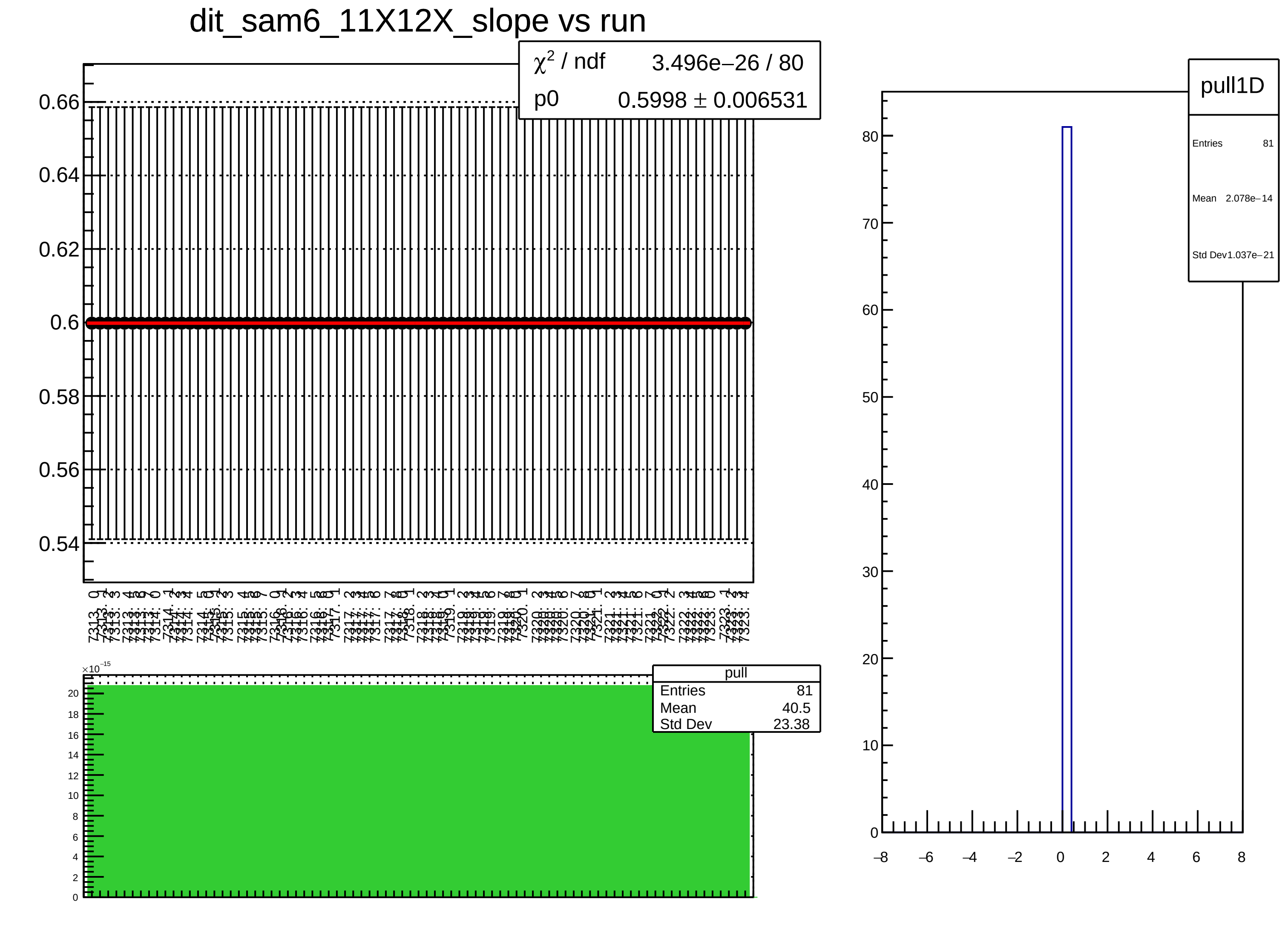
dit_sam5_4eY_slope vs run
χ^2 / ndf 4.666e−25 / 80
p0 119.1 ± 0.1456
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.59e−14
Std Dev 2.679e−21



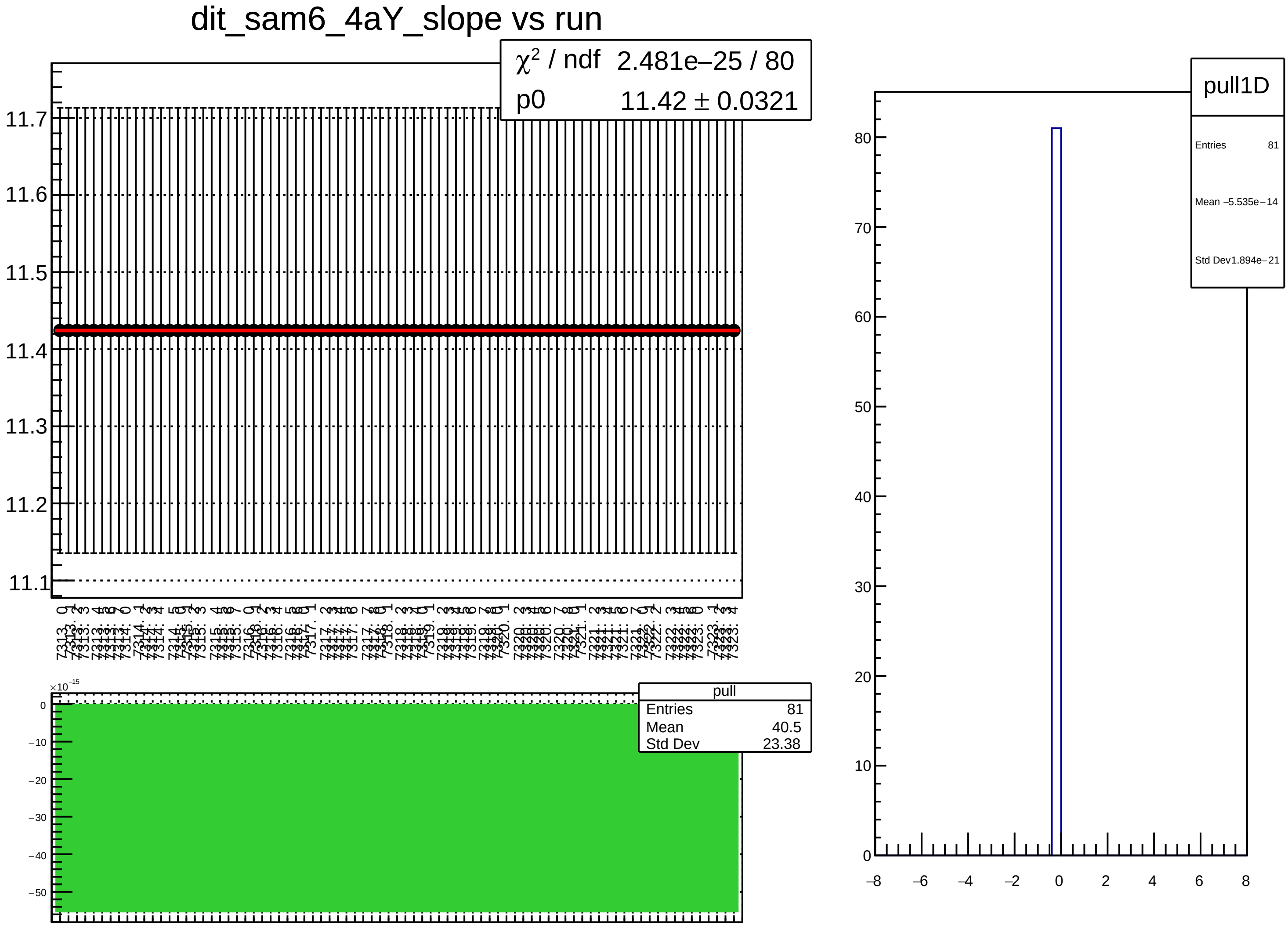
dit_sam6_4aX_slope vs run
χ^2 / ndf 6.1e−27 / 80
p0 34.49 ± 0.2729
37
36
35
34
33
32
$\times 10^{-15}$
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 8.678e−15
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

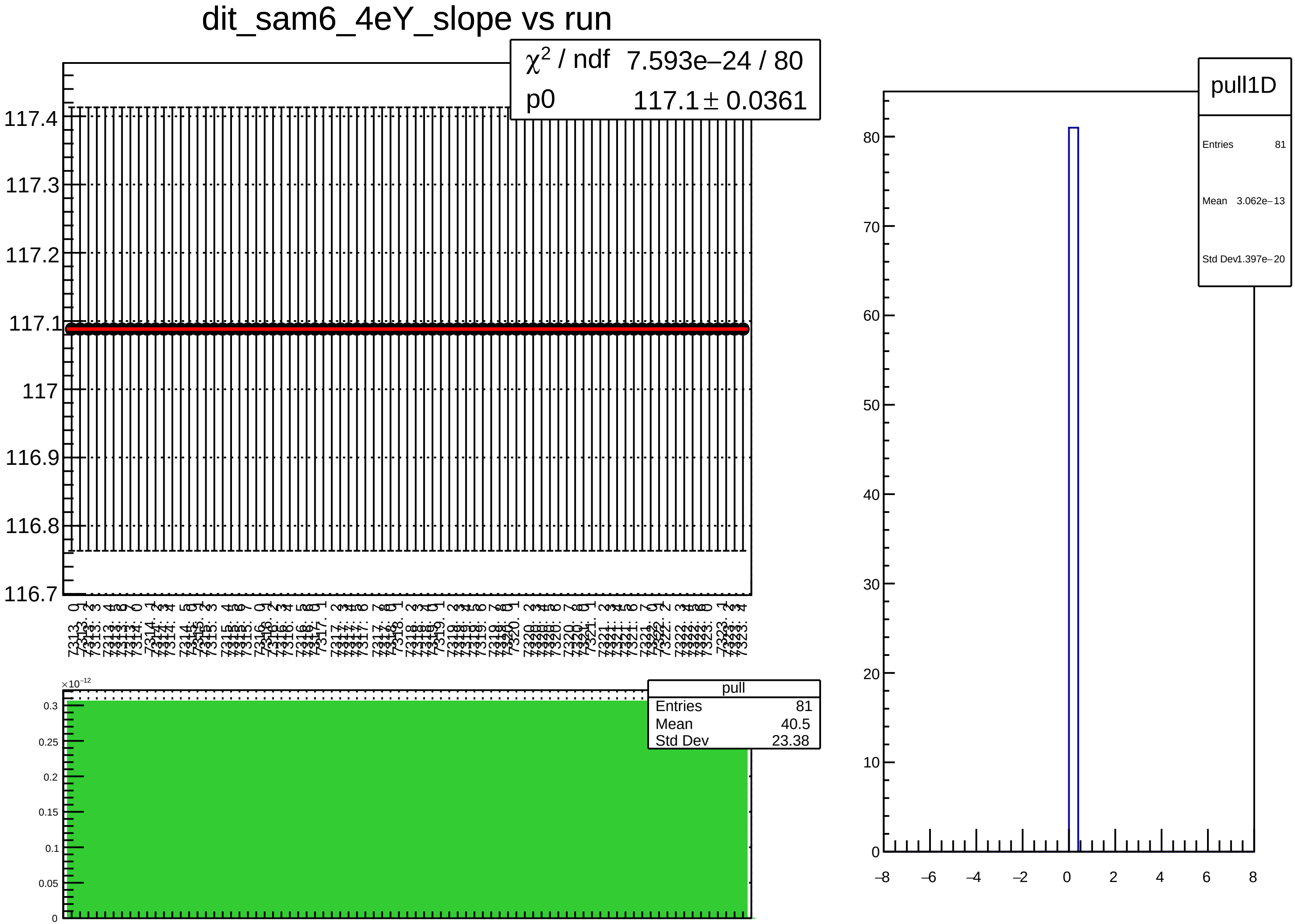


dit_sam6_4eX_slope vs run
χ2 / ndf 1.832e−25 / 80
p0 51.57 ± 0.2324
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 4.756e−14
Std Dev 1.198e−21

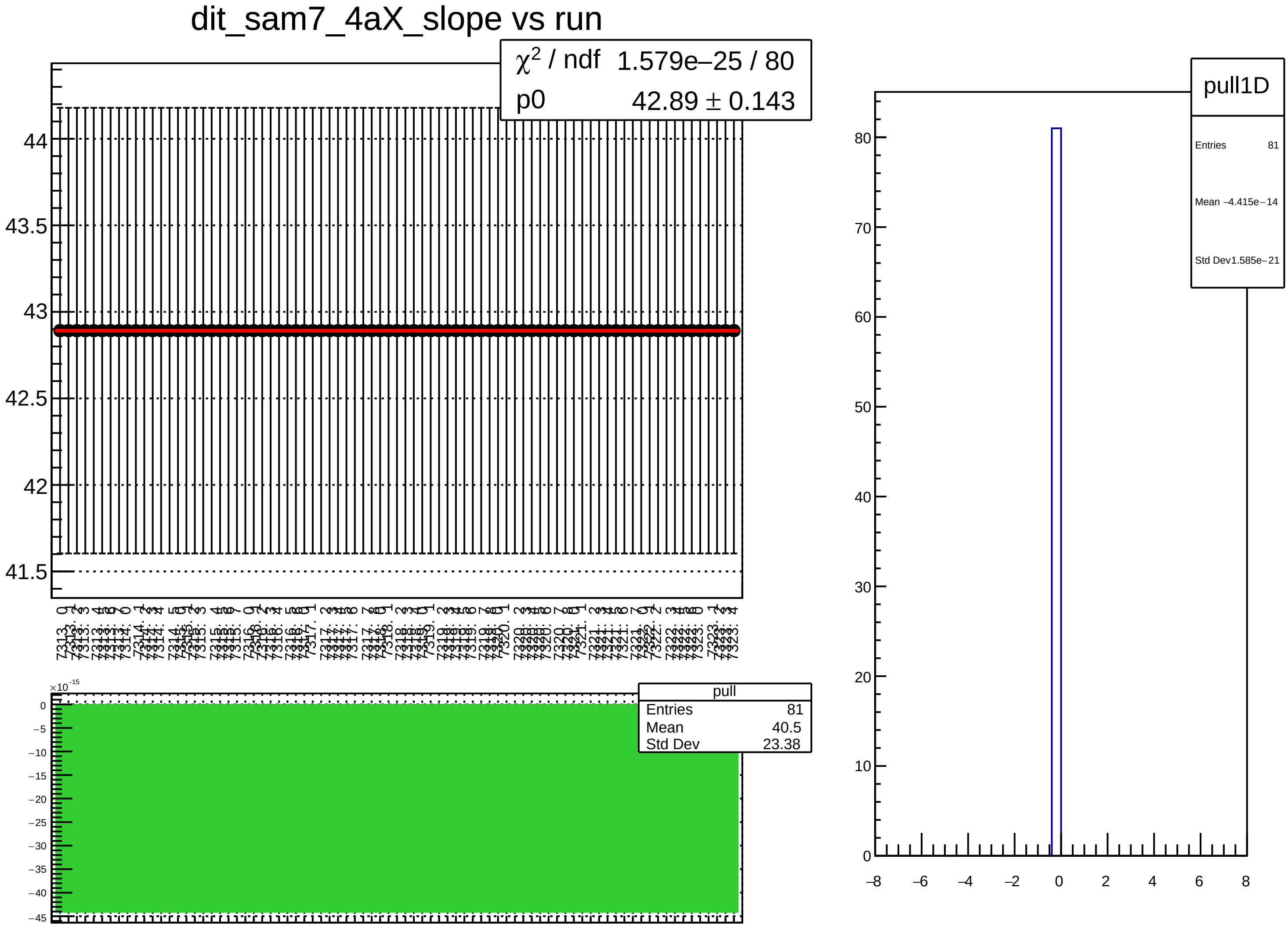


dit_sam6_11X12X_slope vs run
χ2 / ndf 3.496e−26 / 80
p0 0.5998 ± 0.006531
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.078e−14
Std Dev 1.037e−21

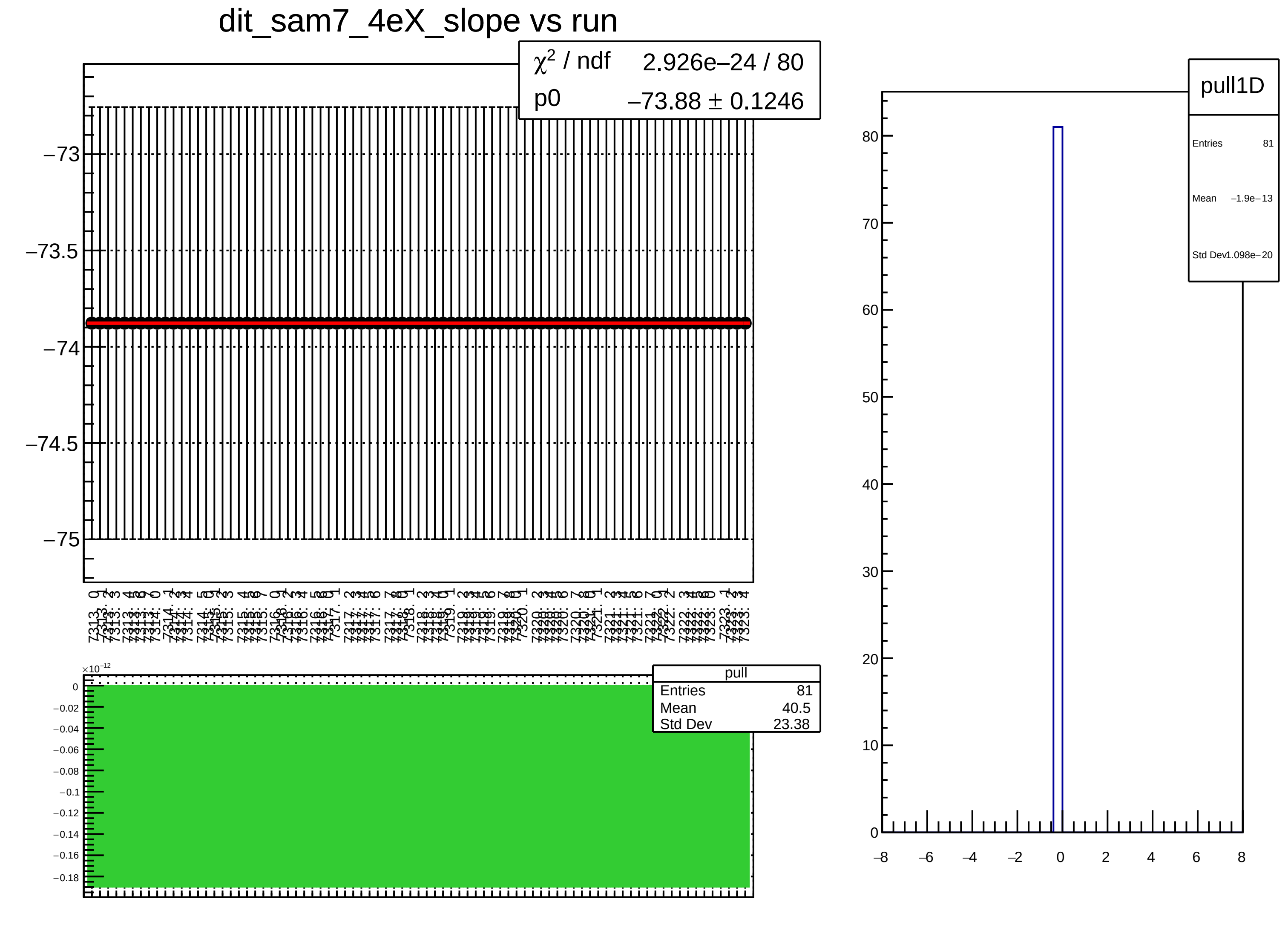

dit_sam6_4aY_slope vs run
χ^2 / ndf 2.481e−25 / 80
p0 11.42 ± 0.0321
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −5.535e−14
Std Dev 1.894e−21



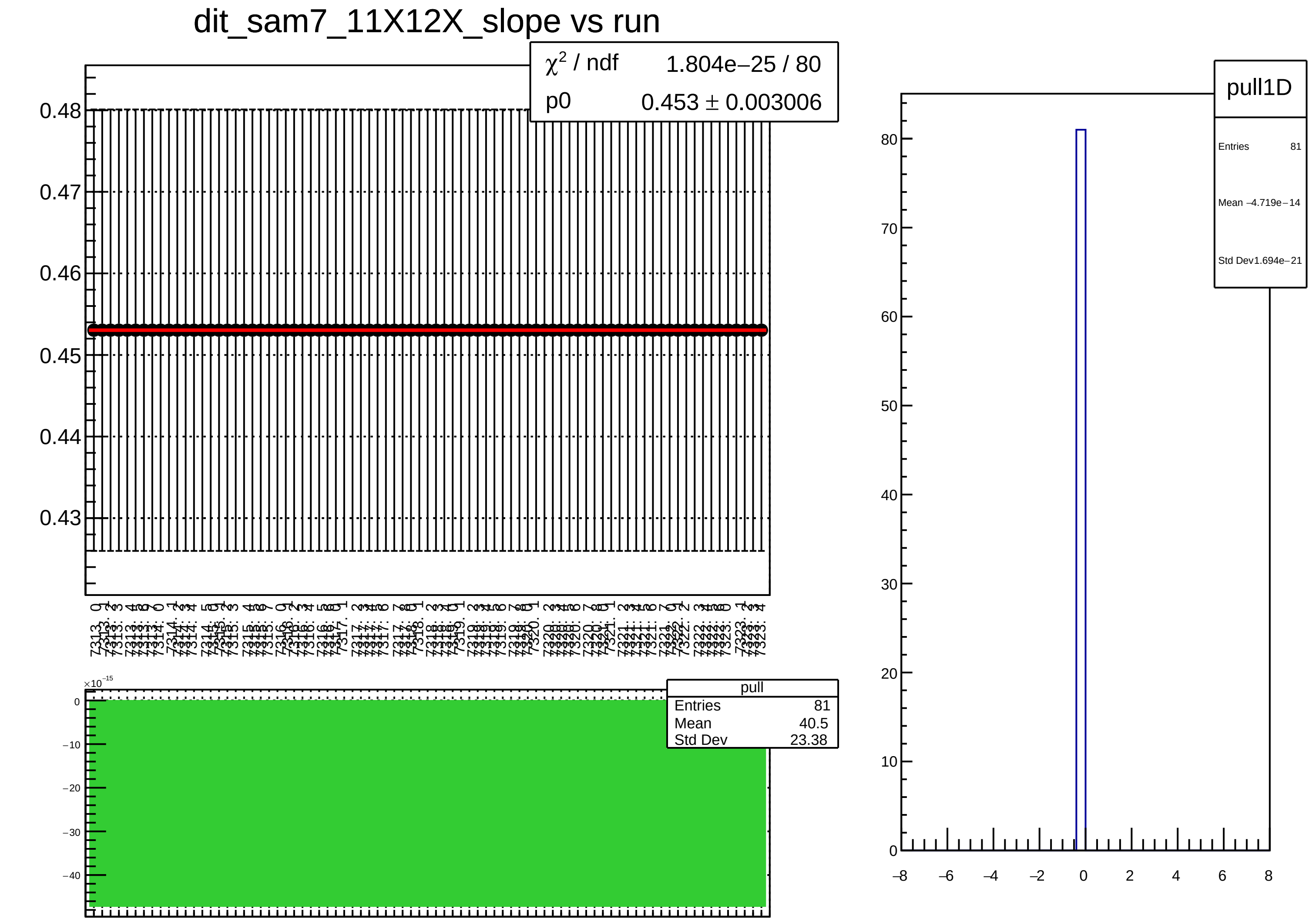
dit_sam6_4eY_slope vs run
χ^2 / ndf 7.593e−24 / 80
p0 117.1 ± 0.0361
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 3.062e−13
Std Dev 1.397e−20



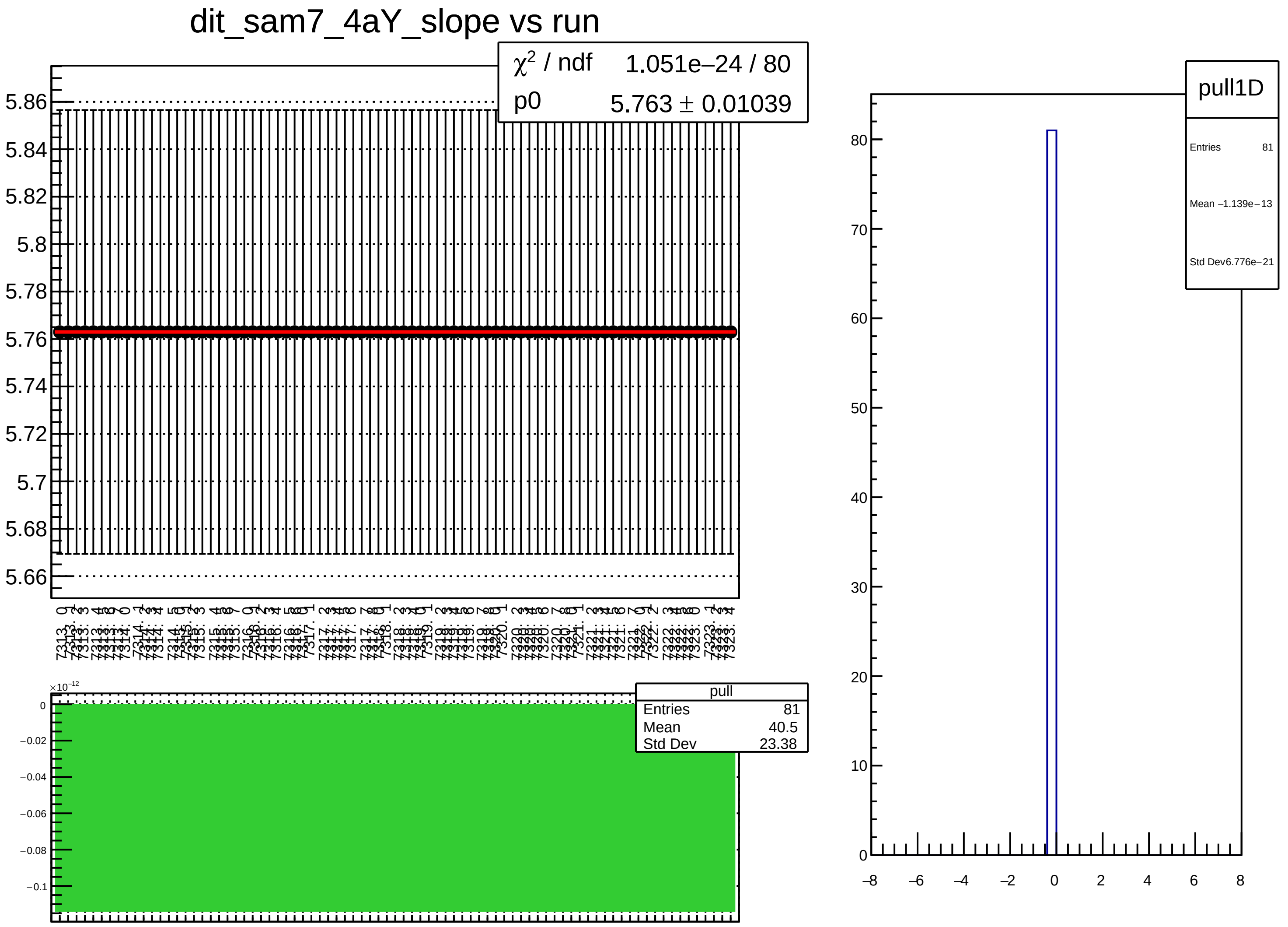
dit_sam7_4aX_slope vs run
χ^2 / ndf 1.579e−25 / 80
p0 42.89 ± 0.143
44
43.5
43
42.5
42
41.5
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.415e−14
Std Dev 1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



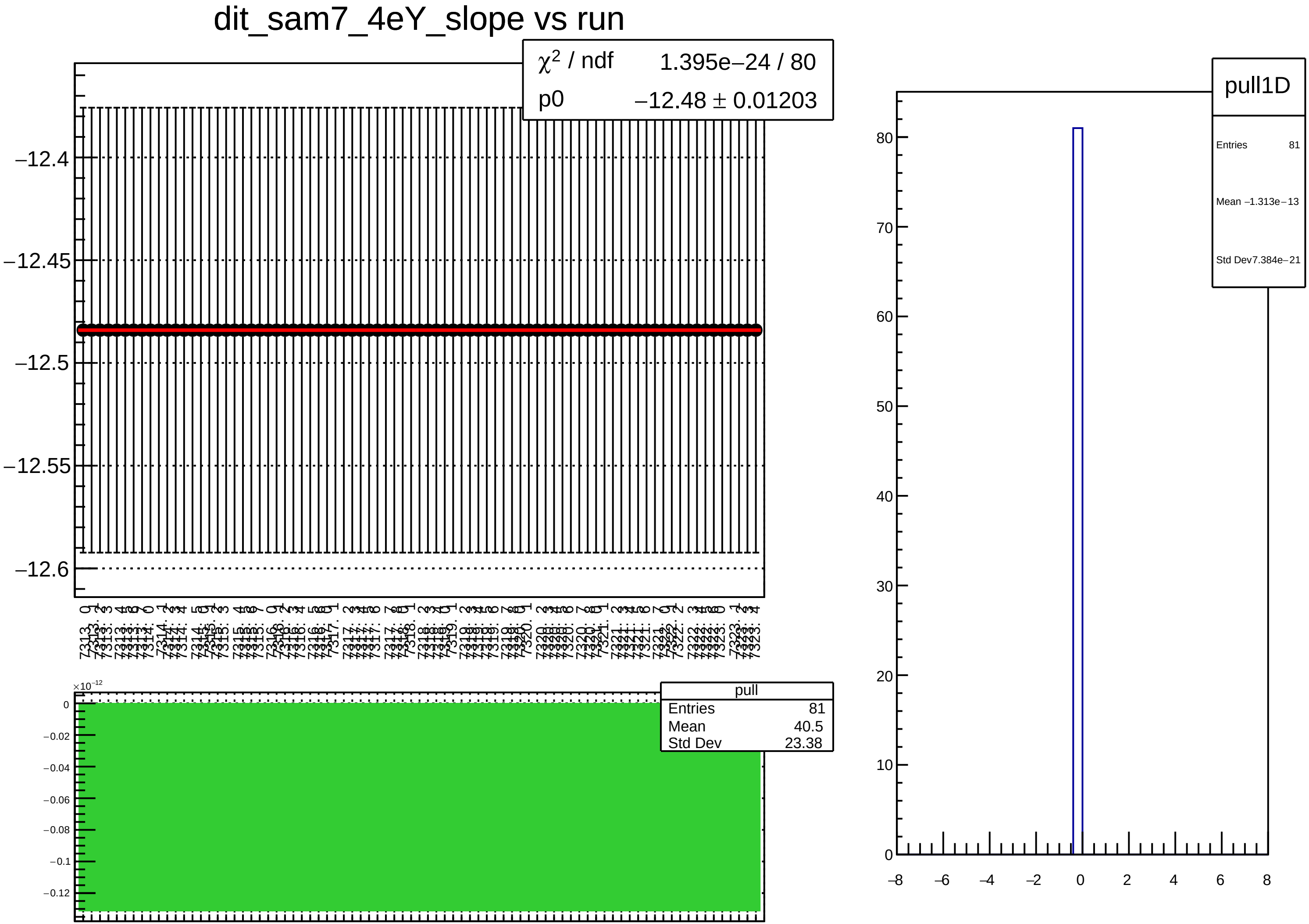
dit_sam7_4eX_slope vs run
χ^2 / ndf 2.926e−24 / 80
p0 −73.88 ± 0.1246
−73
−73.5
−74
−74.5
−75
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.9e−13
Std Dev 1.098e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



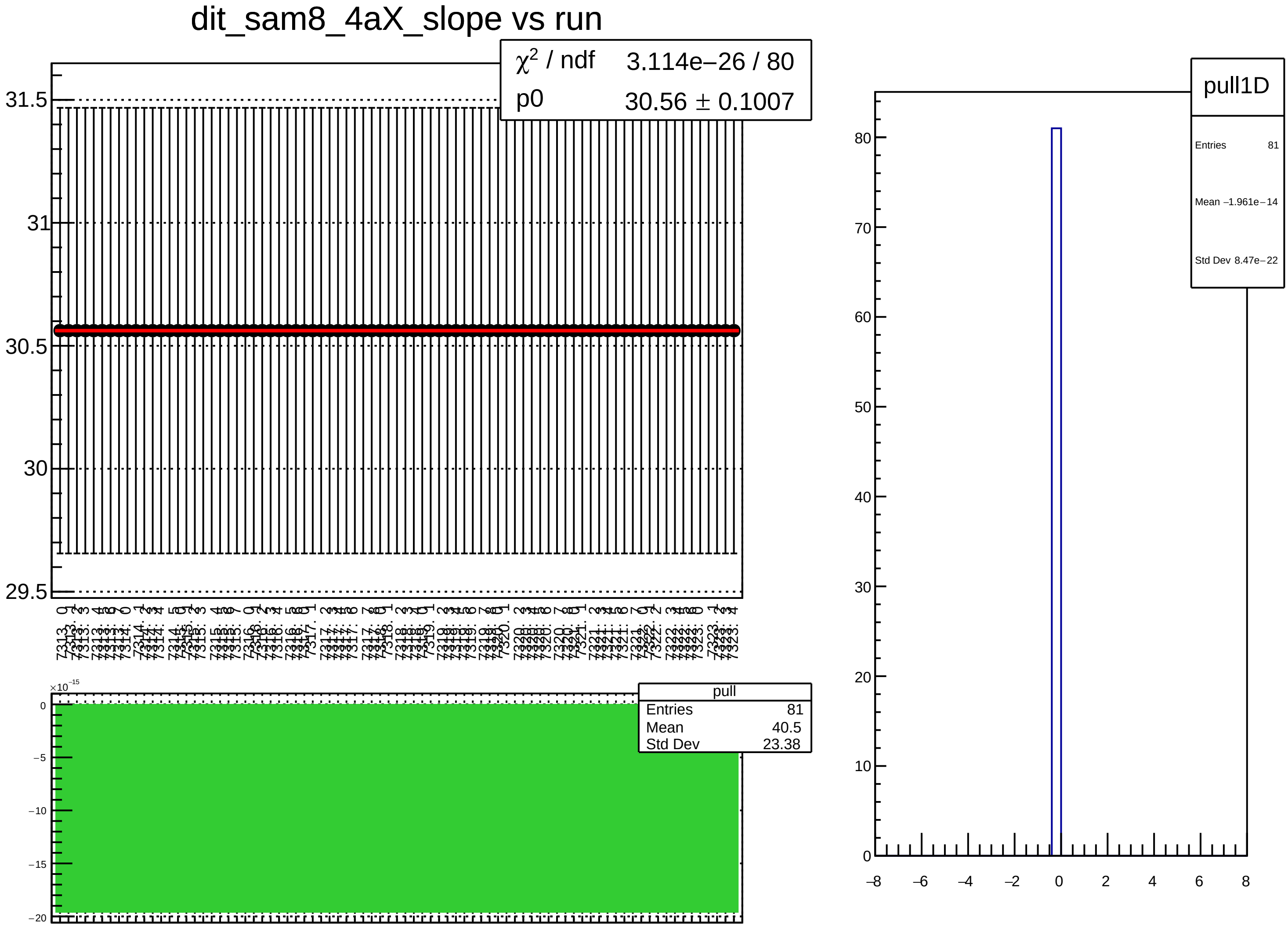
dit_sam7_11X12X_slope vs run
χ^2 / ndf 1.804e−25 / 80
p0 0.453 ± 0.003006
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.719e−14
Std Dev 1.694e−21



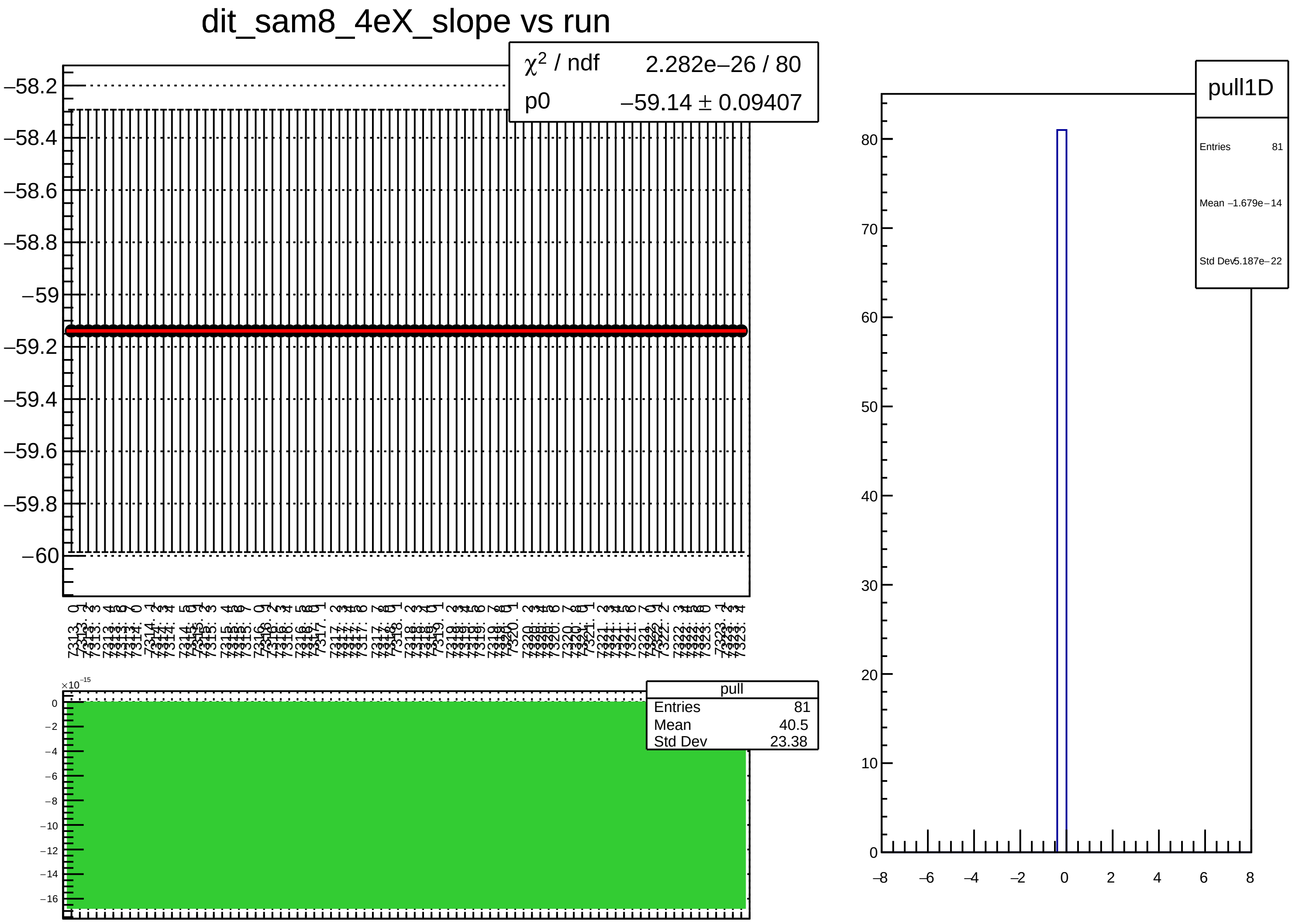
dit_sam7_4aY_slope vs run
χ2 / ndf 1.051e−24 / 80
p0 5.763 ± 0.01039
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.139e−13
Std Dev 6.776e−21

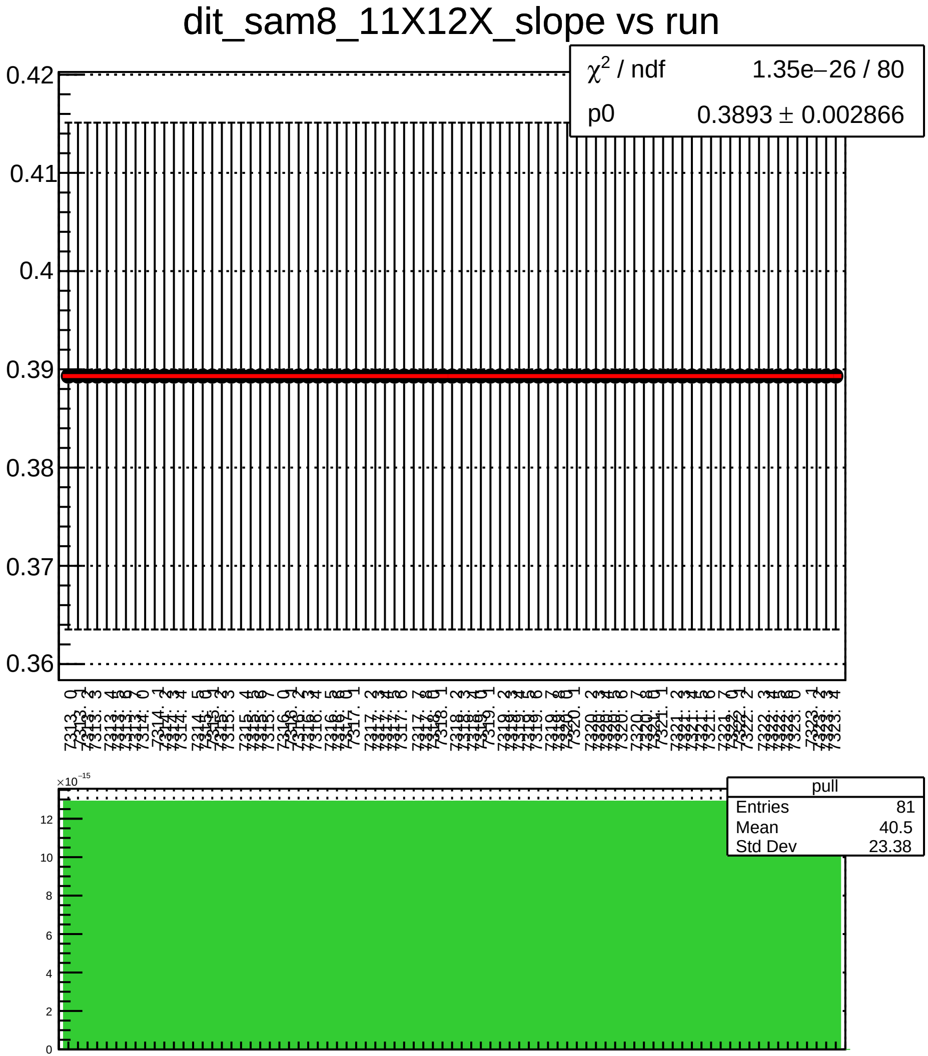


dit_sam7_4eY_slope vs run
χ^2 / ndf 1.395e−24 / 80
p0 −12.48 ± 0.01203
−12.4
−12.45
−12.5
−12.55
−12.6
×10⁻¹²
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.313e−13
Std Dev 7.384e−21

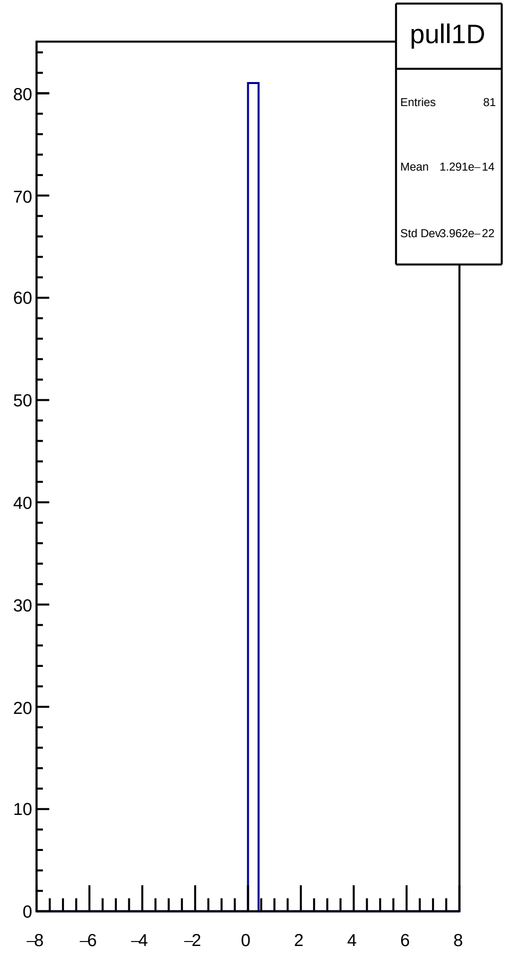


dit_sam8_4aX_slope vs run
χ^2 / ndf 3.114e−26 / 80
p0 30.56 ± 0.1007
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.961e−14
Std Dev 8.47e−22


dit_sam8_4eX_slope vs run
χ^2 / ndf 2.282e−26 / 80
p0 −59.14 ± 0.09407
pull1D
Entries 81
Mean −1.679e−14
Std Dev 5.187e−22
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15



dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.35e−26 / 80
p0 0.3893 ± 0.002866
pull
Entries 81
Mean 40.5
Std Dev 23.38



pull1D
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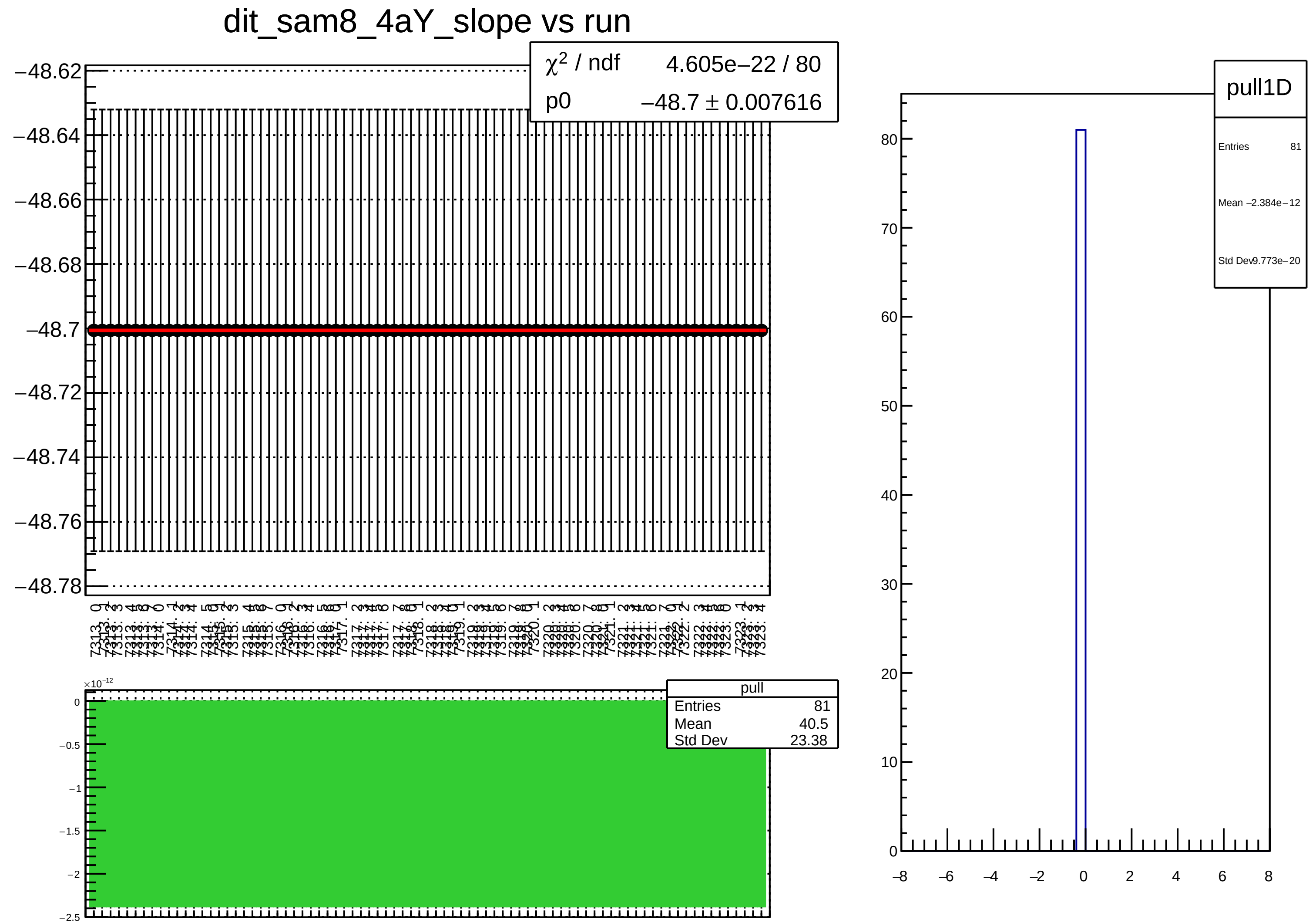
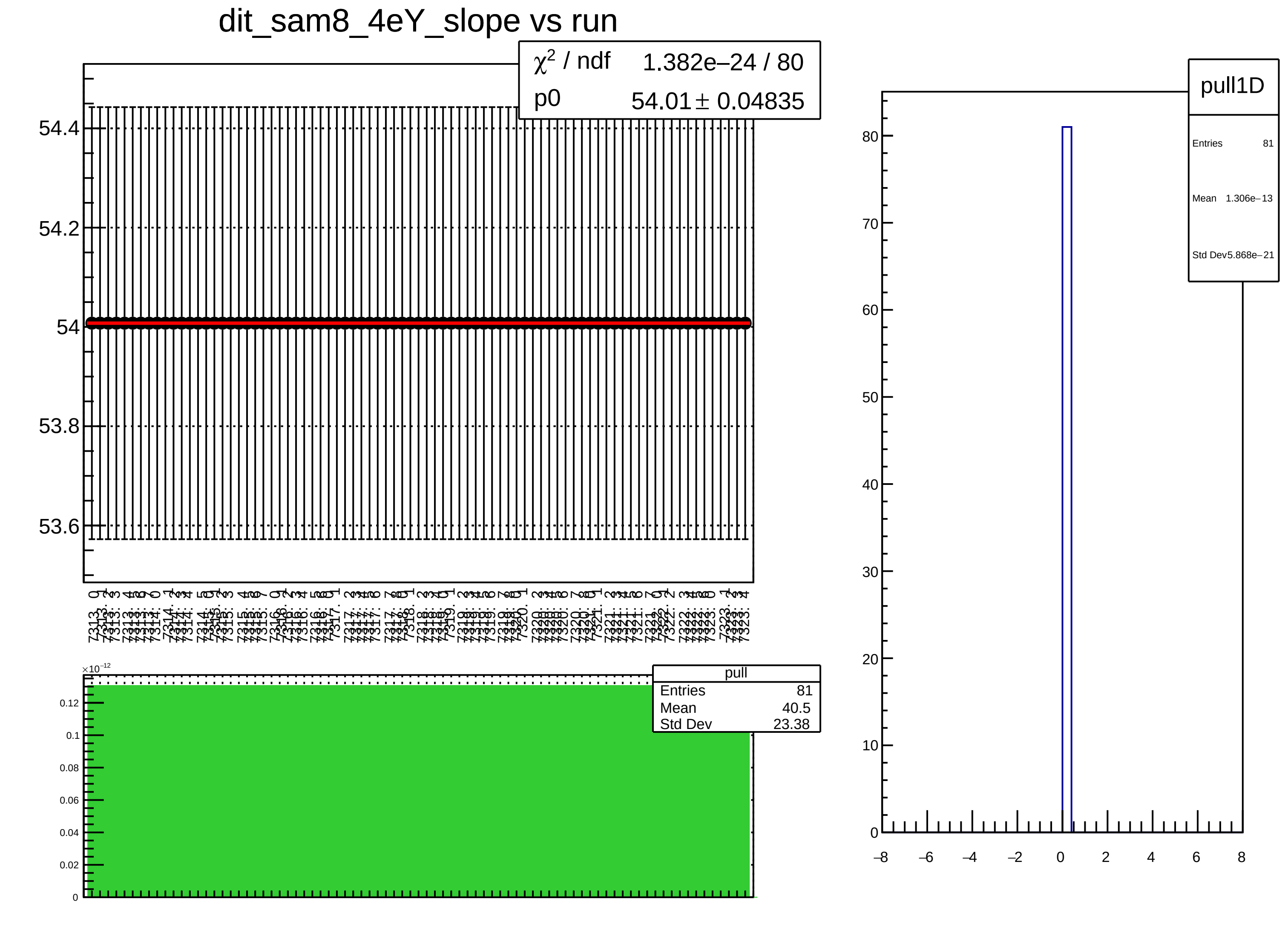
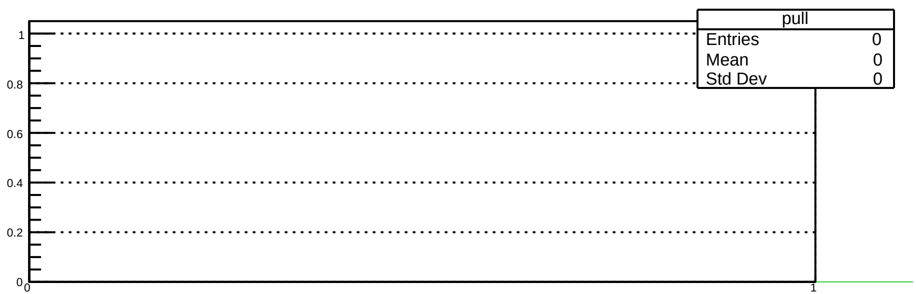
Std Dev 3.962e−22



dit_sam8_4aY_slope vs run
χ2 / ndf 4.605e−22 / 80
p0 −48.7 ± 0.007616
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.384e−12
Std Dev 9.773e−20



dit_sam8_4eY_slope vs run
χ^2 / ndf 1.382e−24 / 80
p0 54.01 ± 0.04835
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.306e−13
Std Dev 5.868e−21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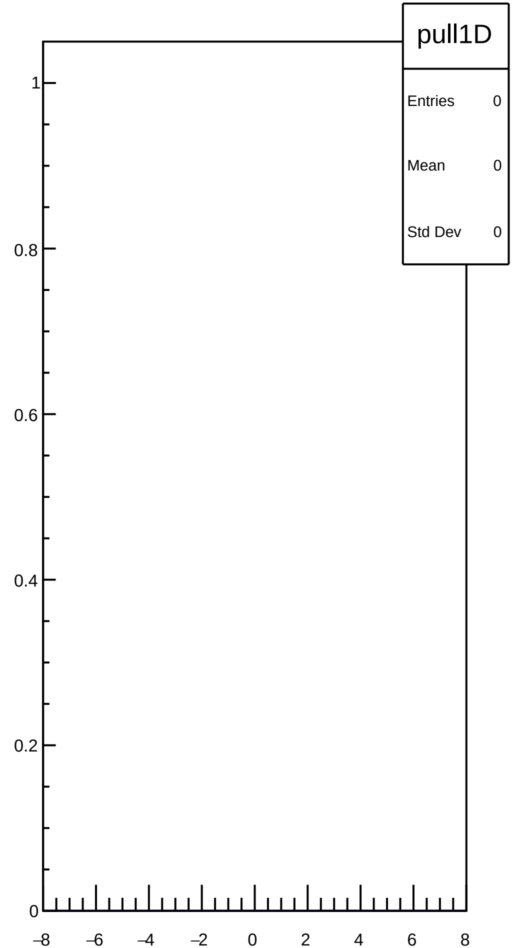
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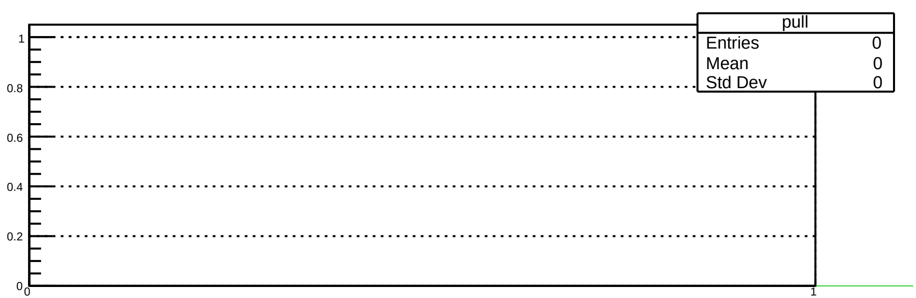
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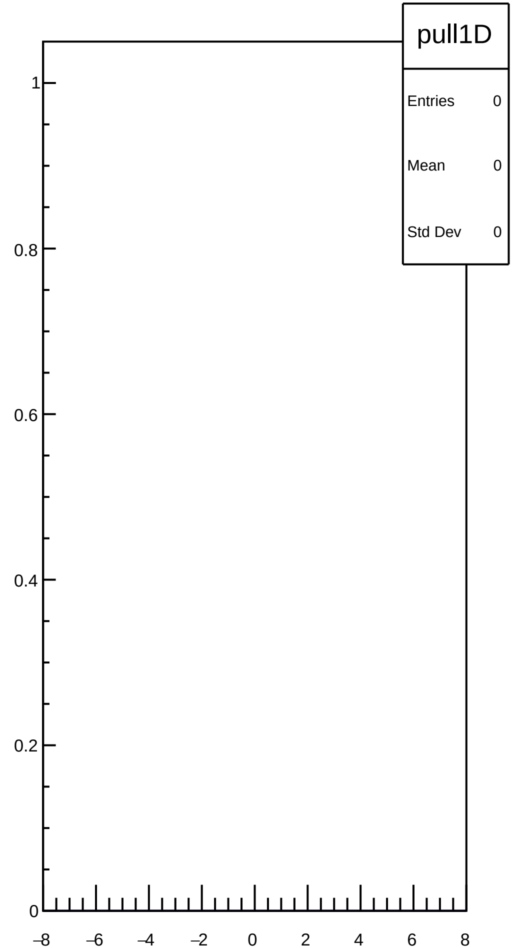
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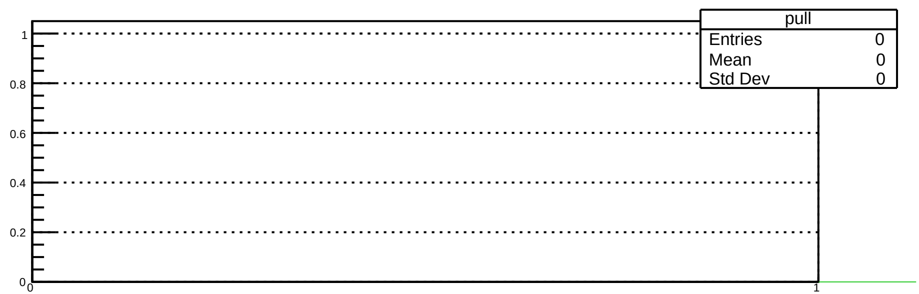

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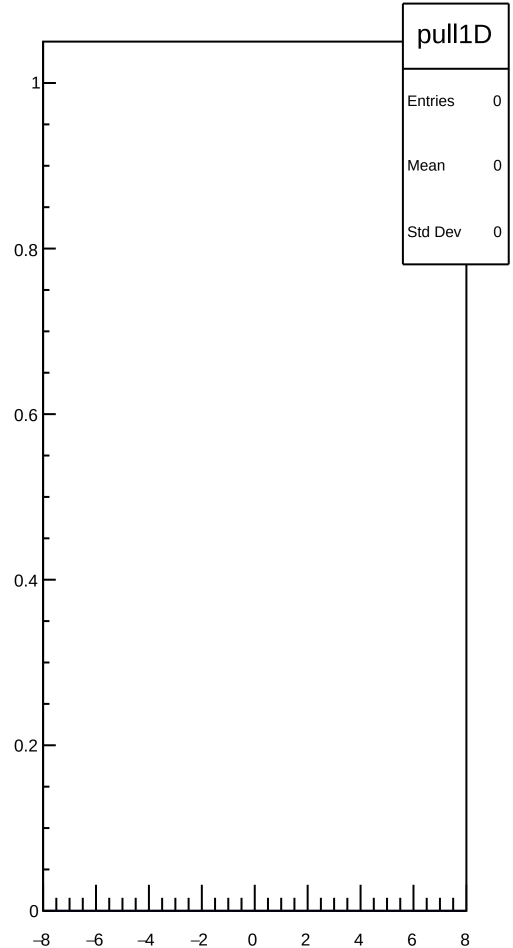

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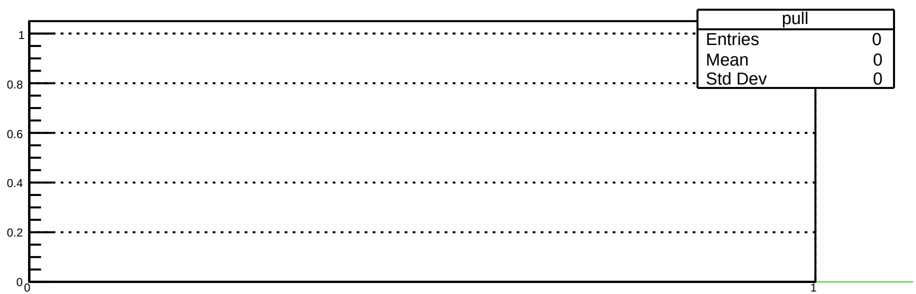
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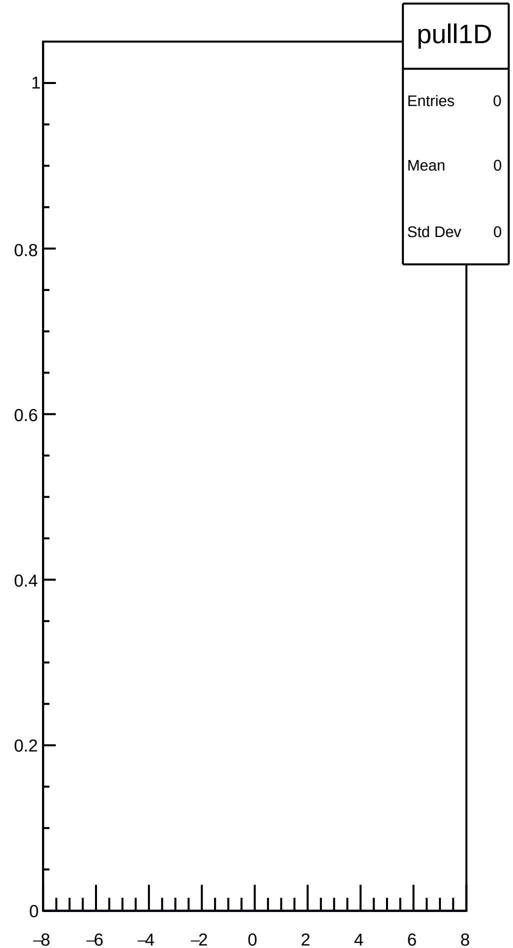
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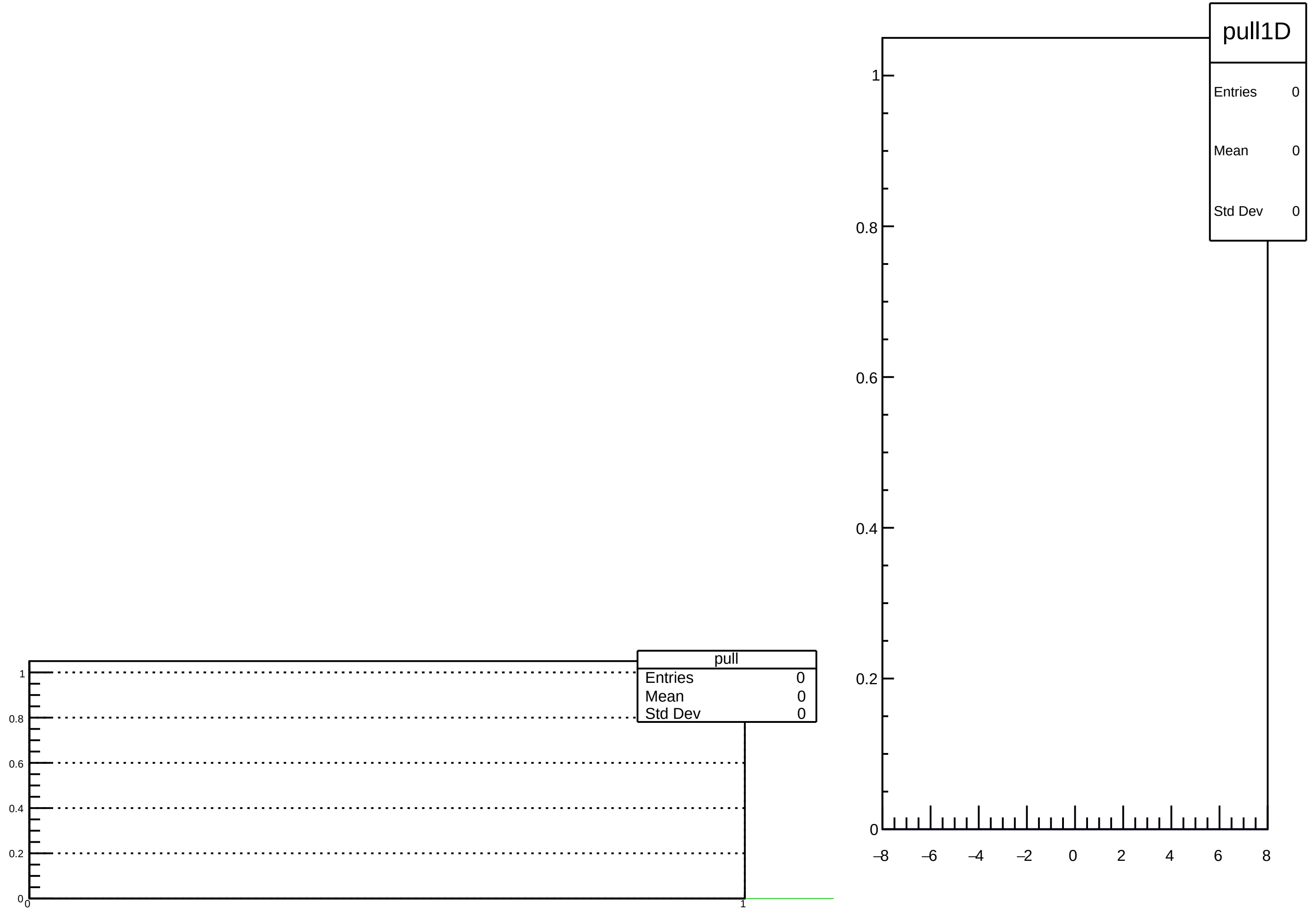
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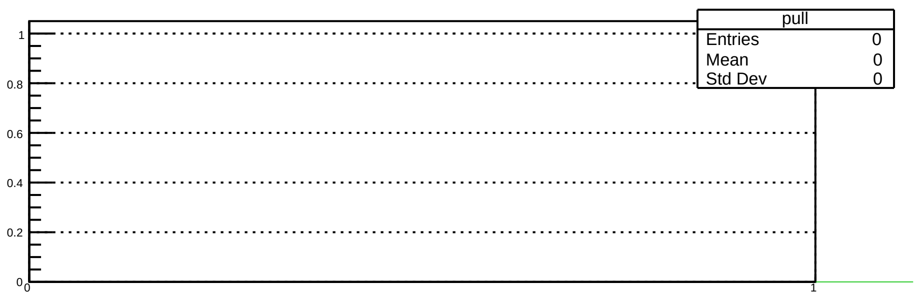
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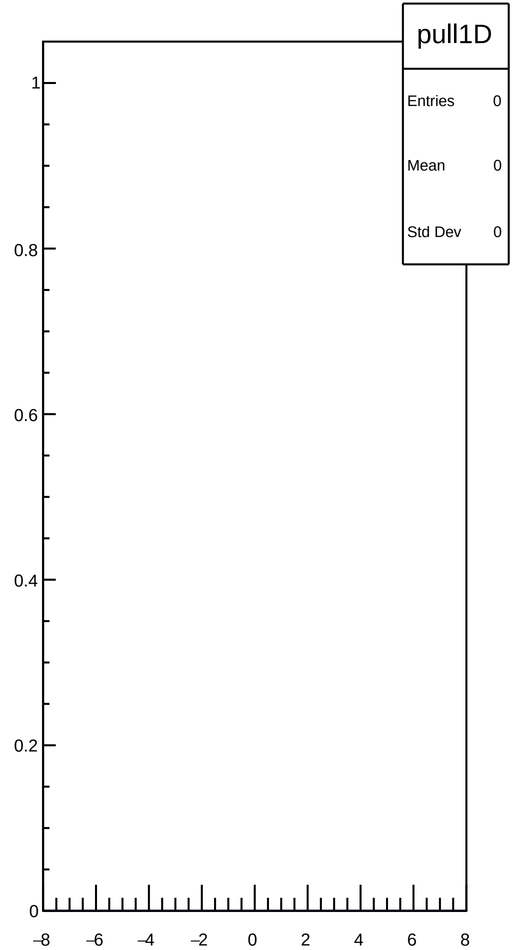
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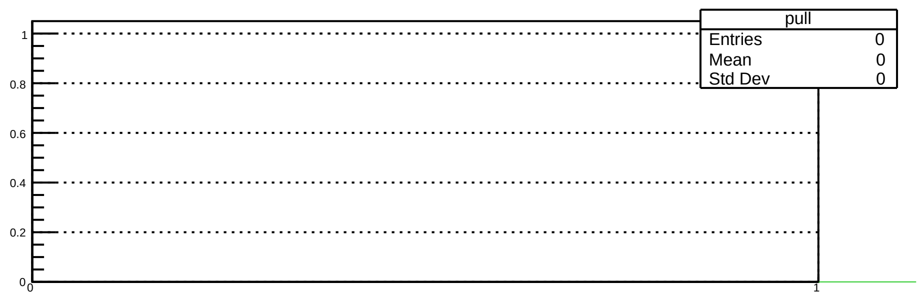
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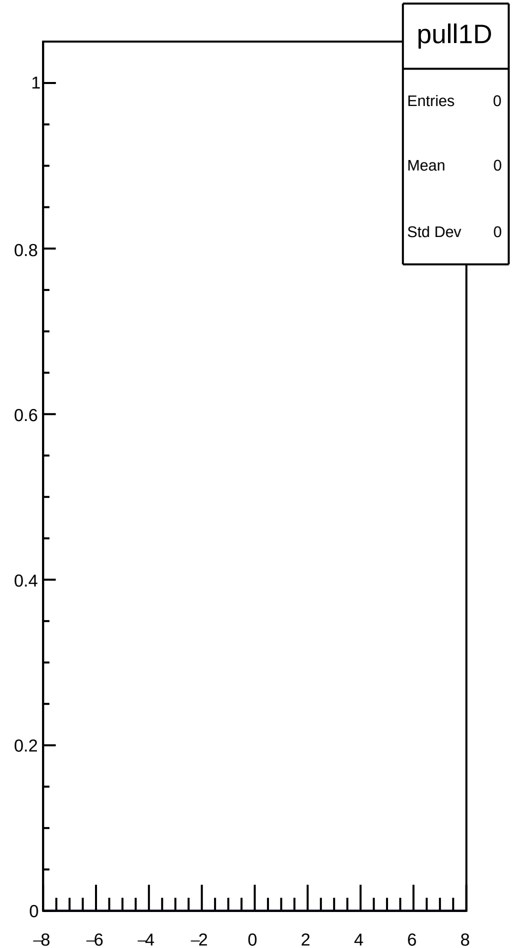
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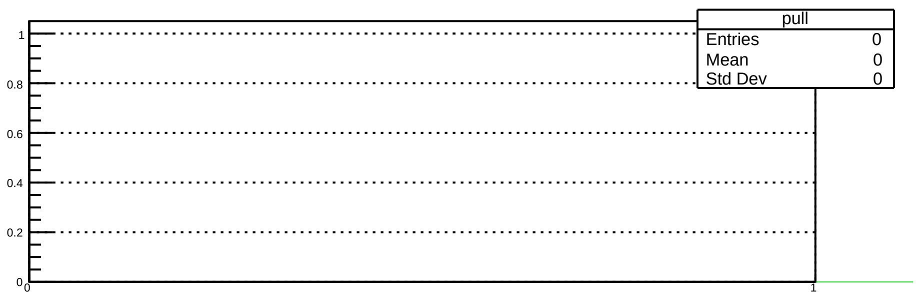
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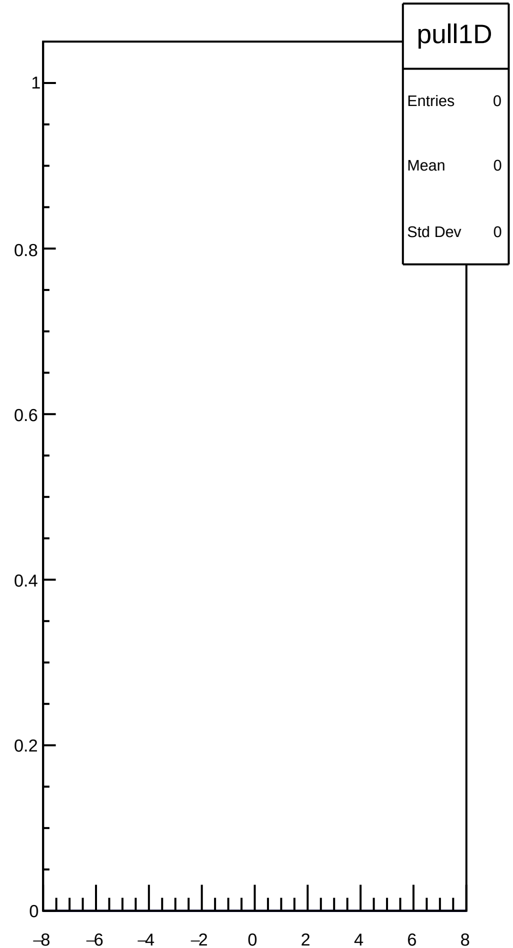
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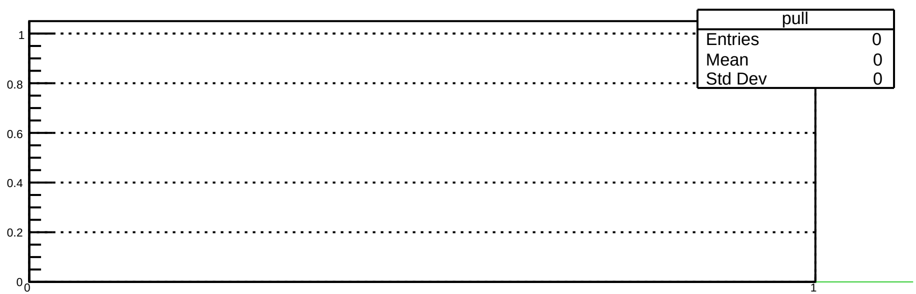
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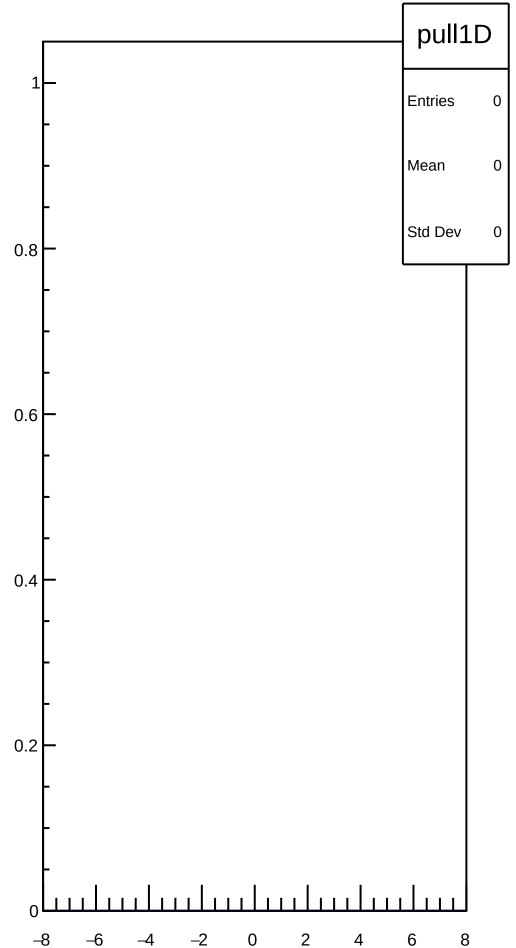
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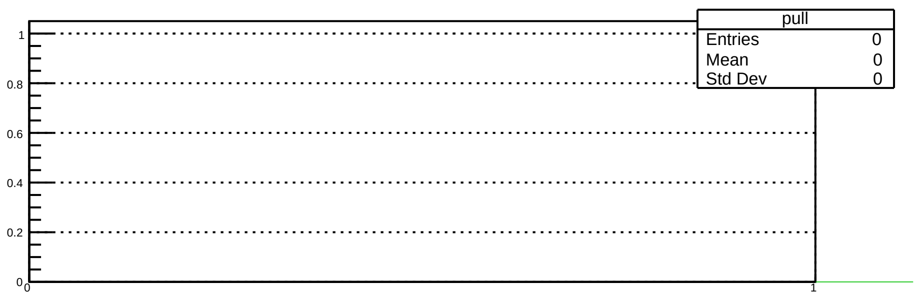

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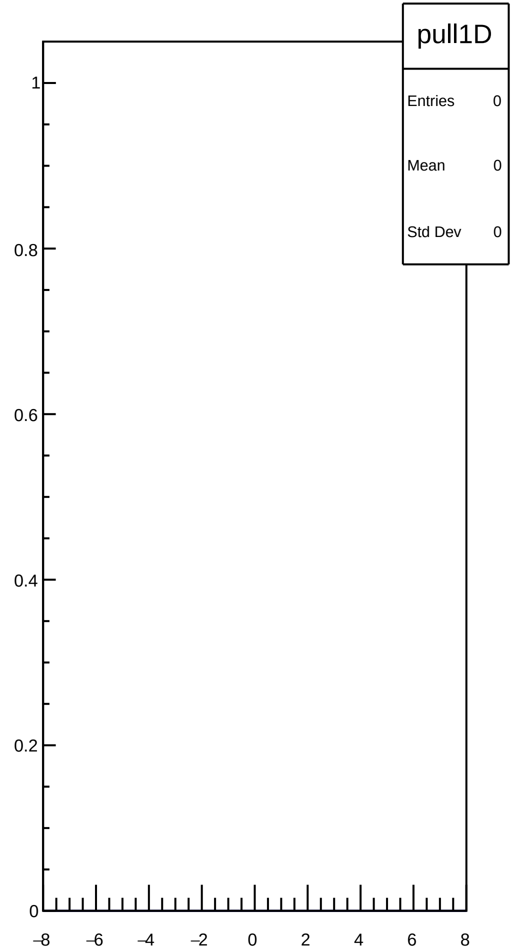

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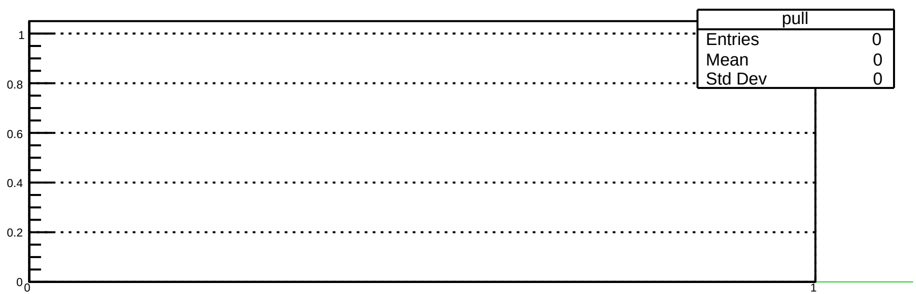
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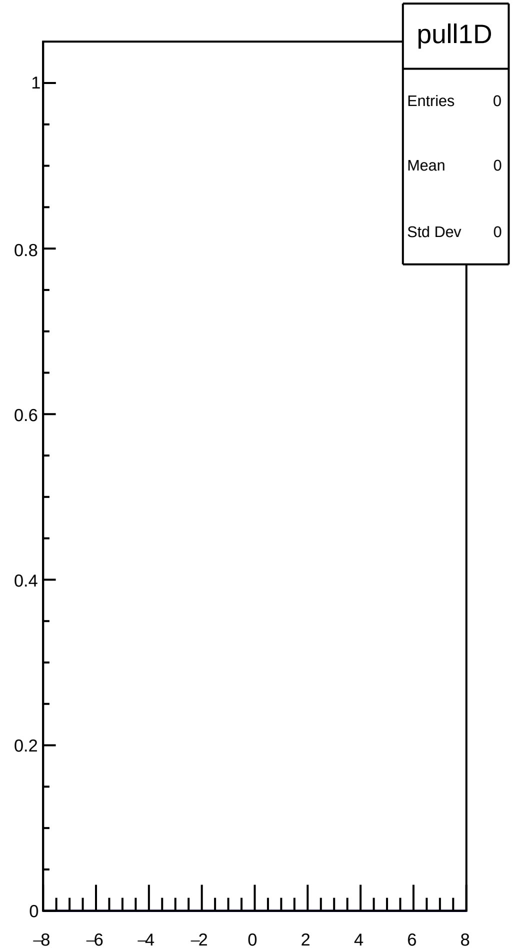
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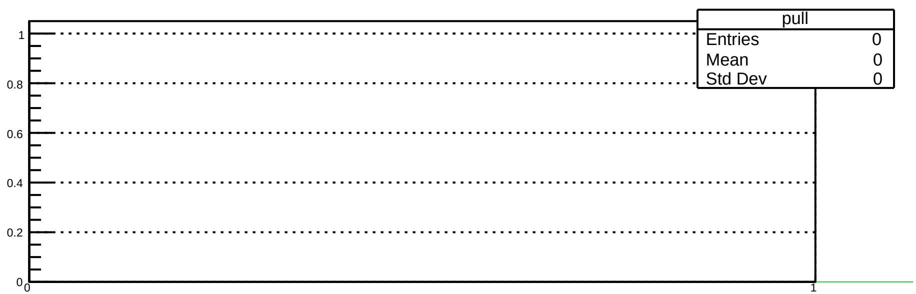

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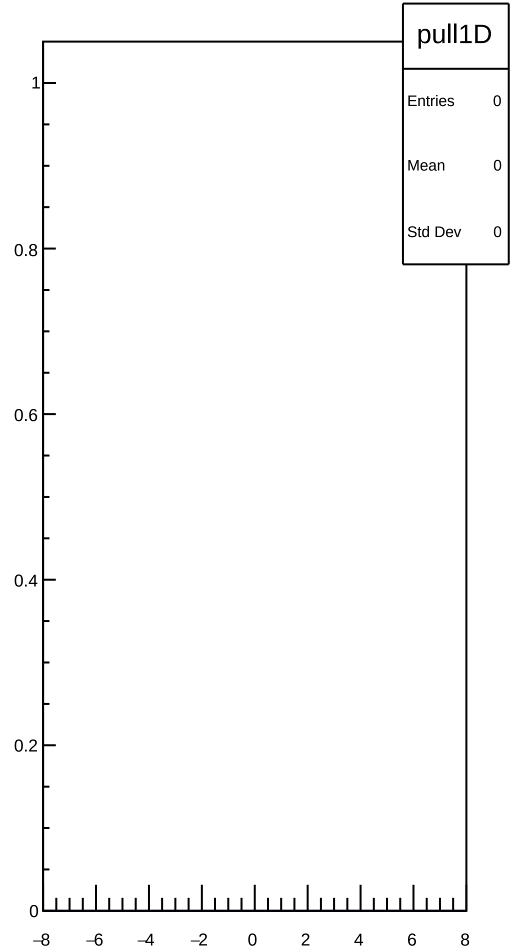

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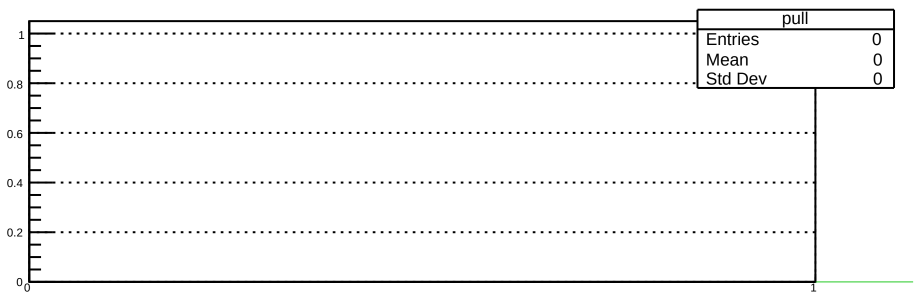
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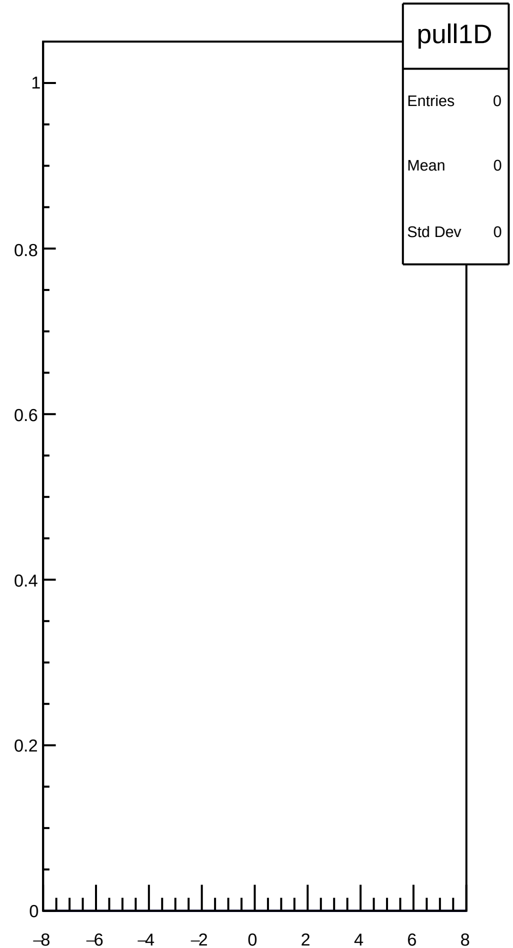
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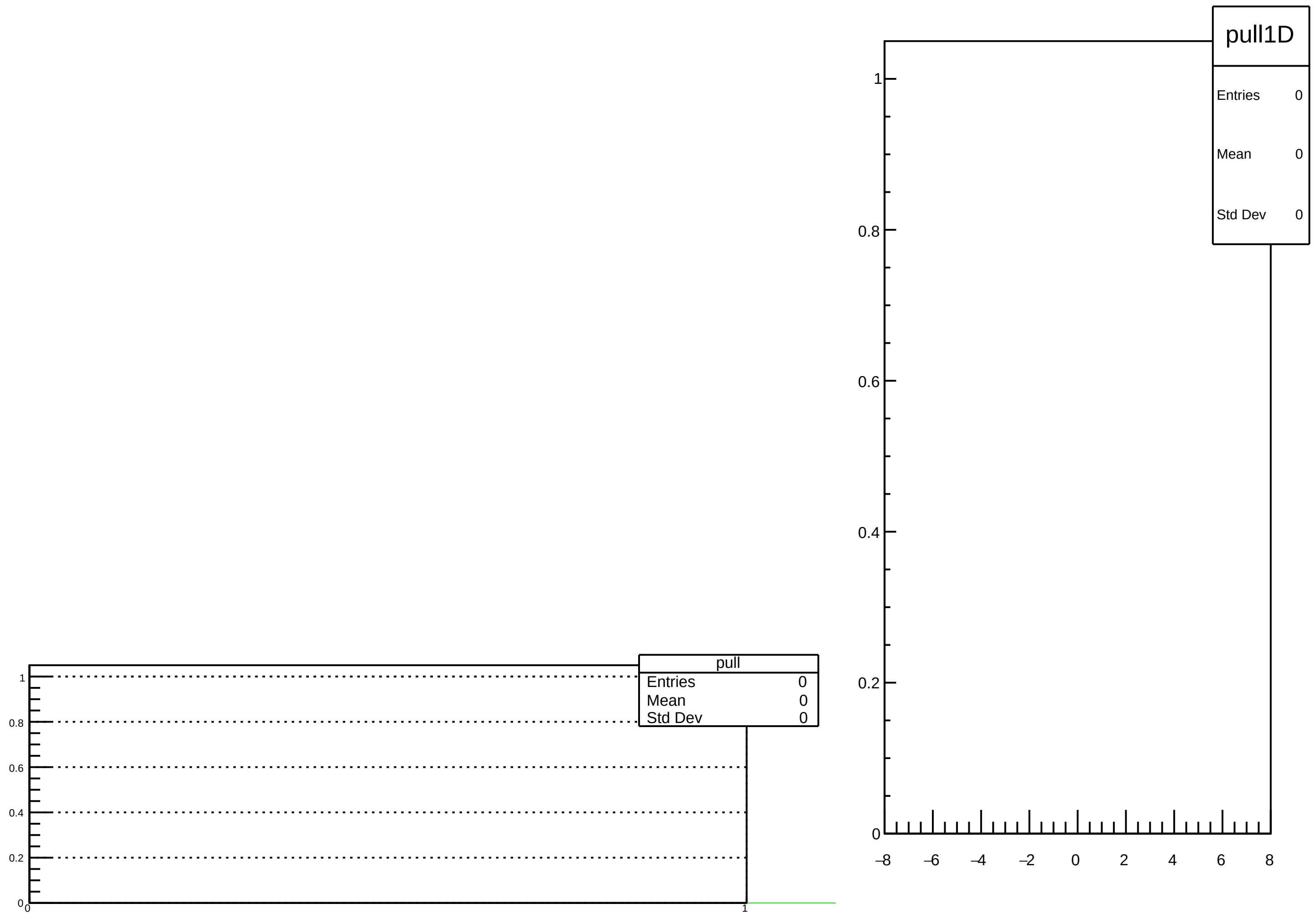

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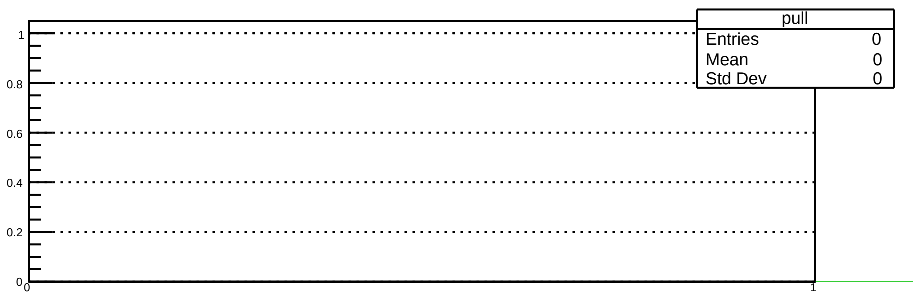
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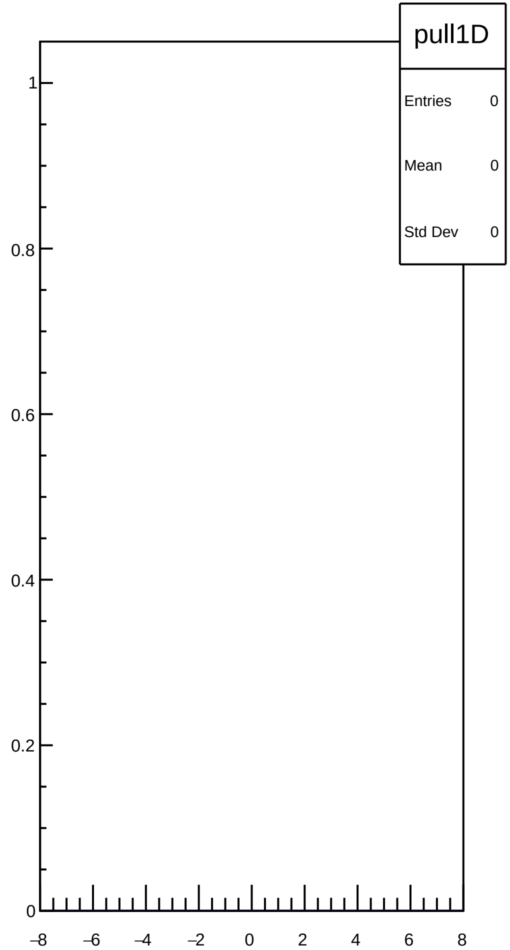
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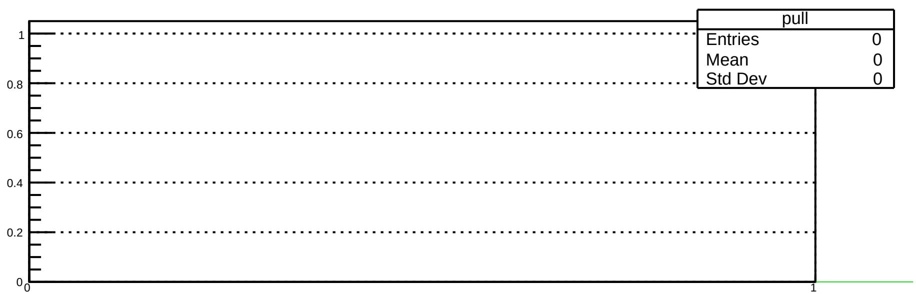
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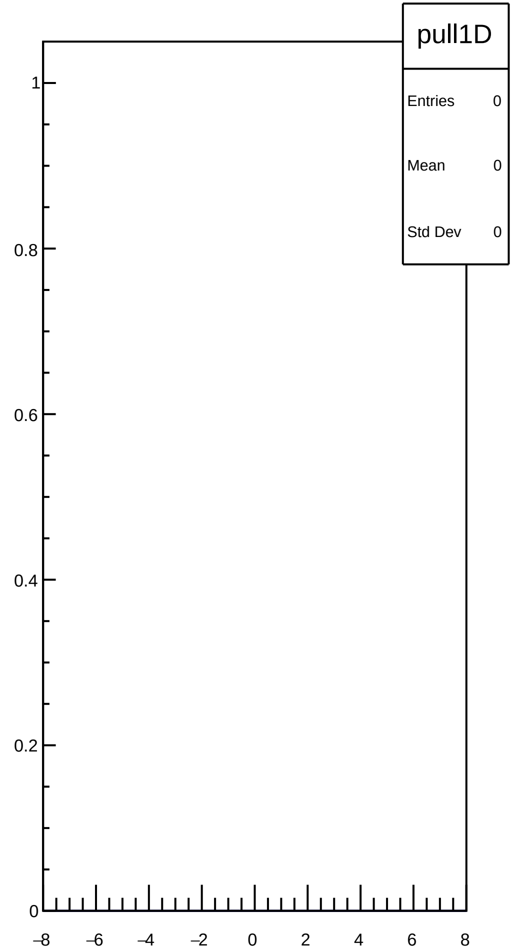
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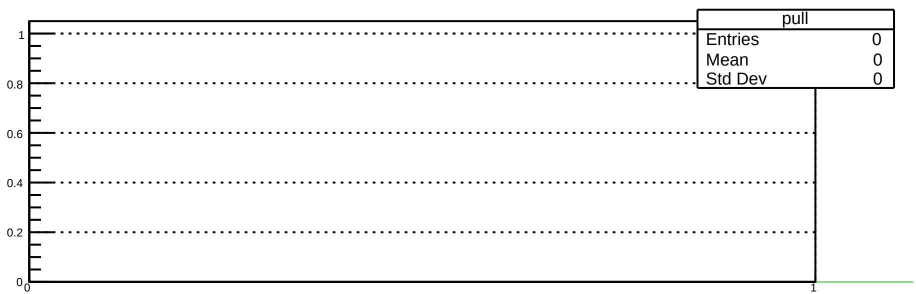
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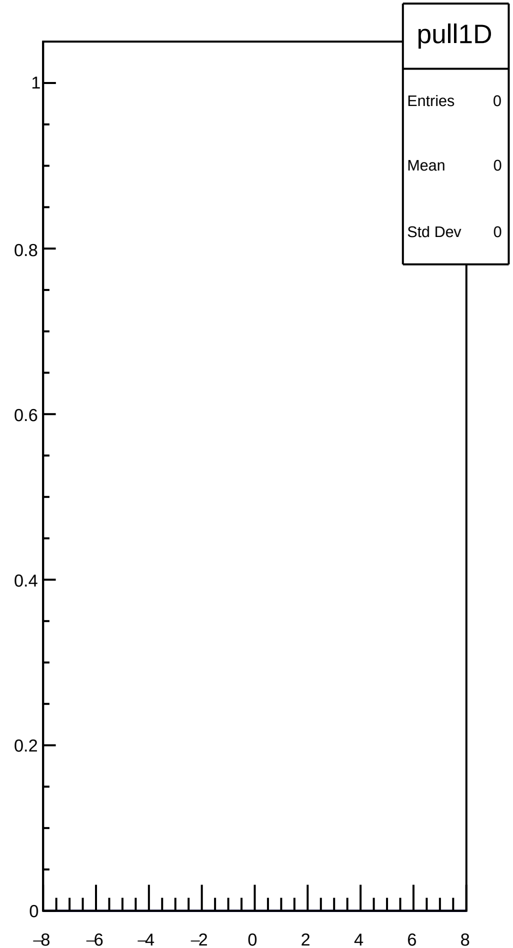
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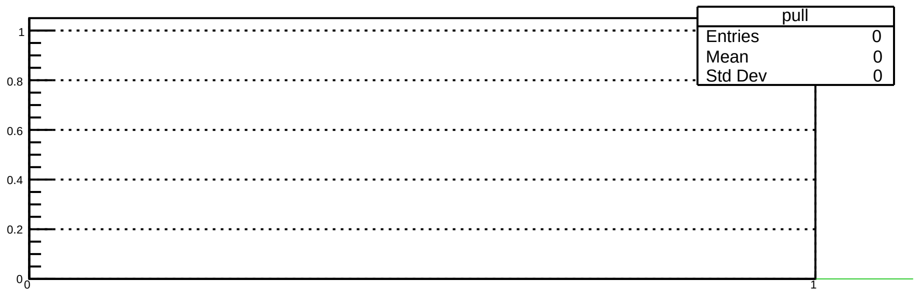

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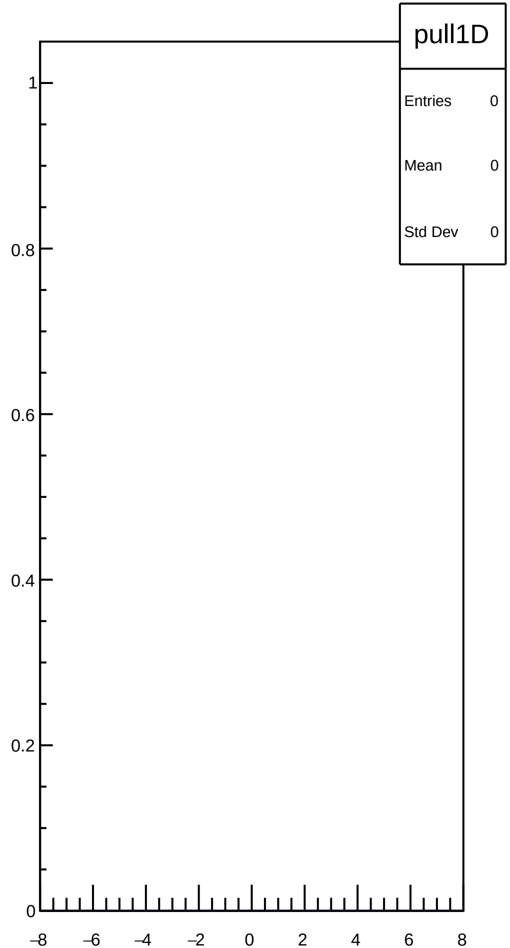

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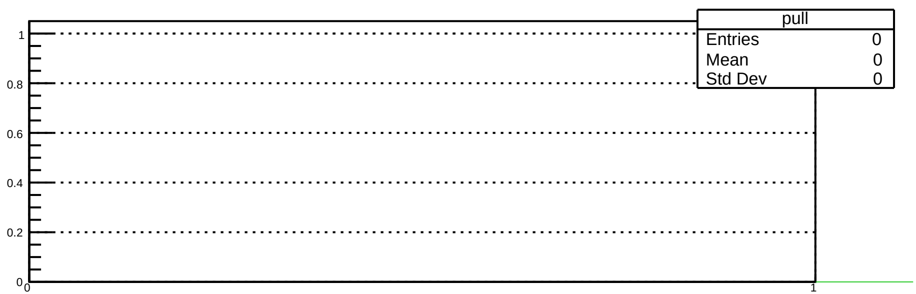
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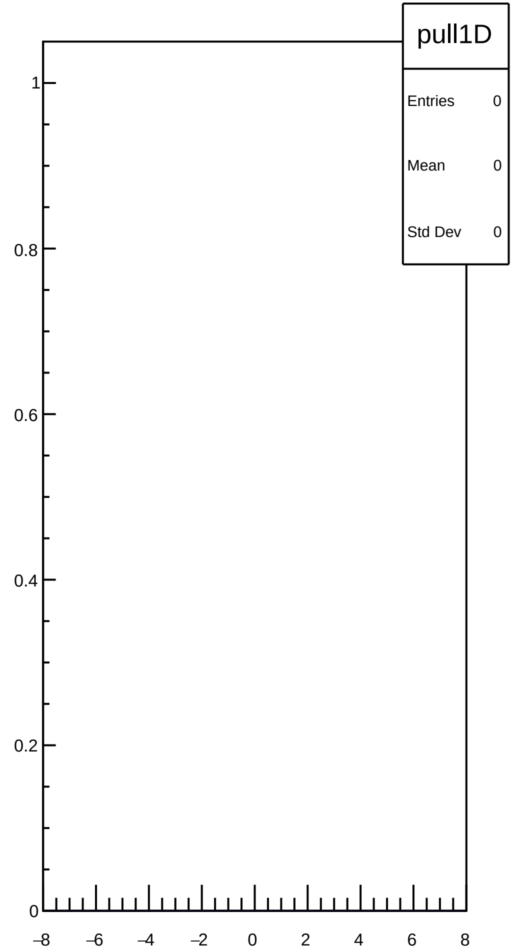
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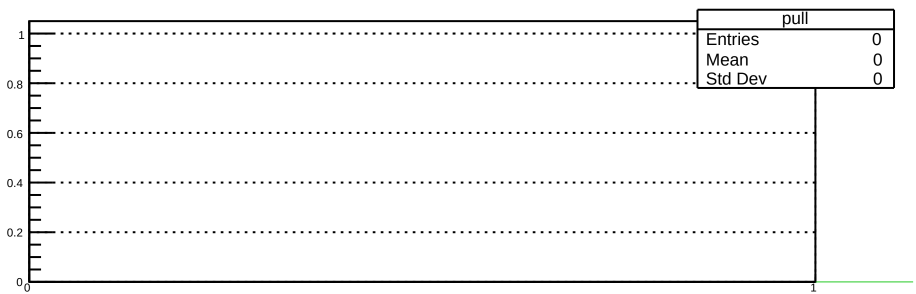
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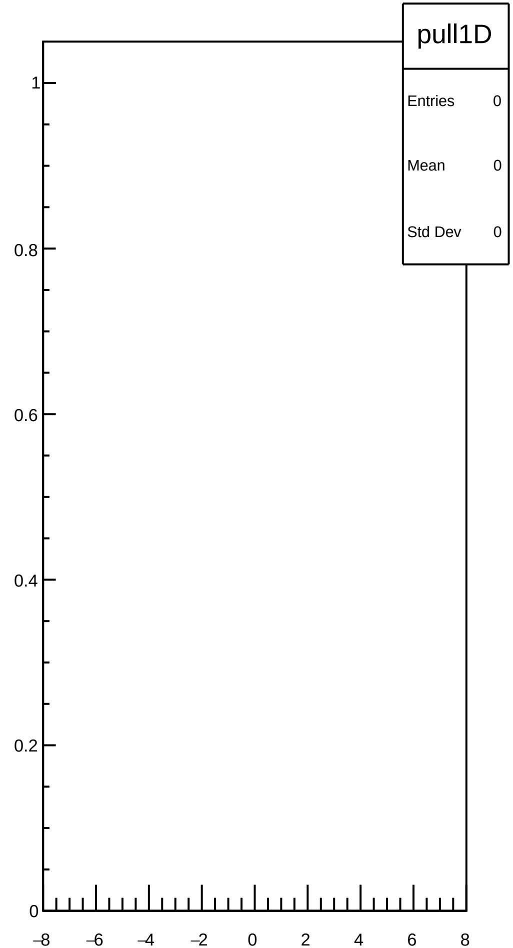
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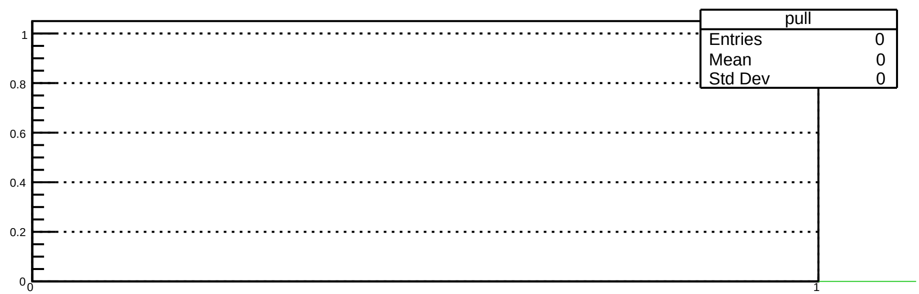
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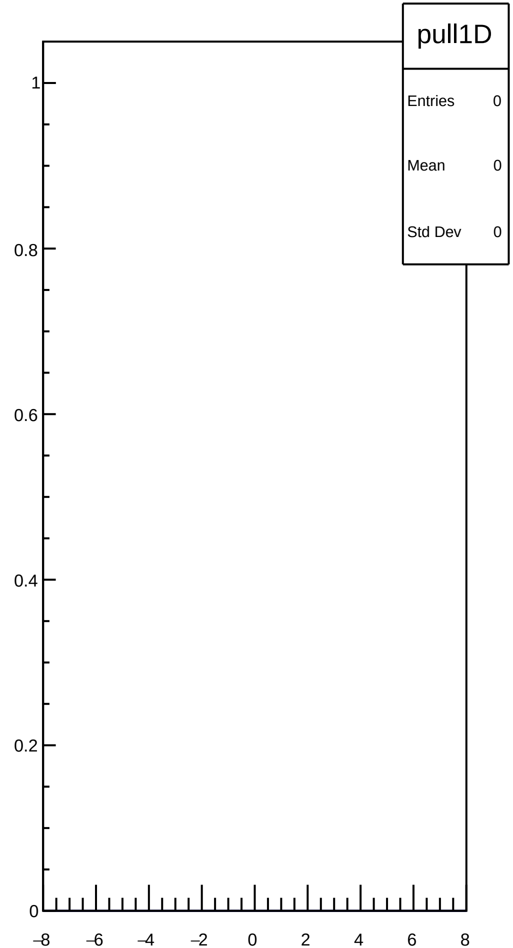
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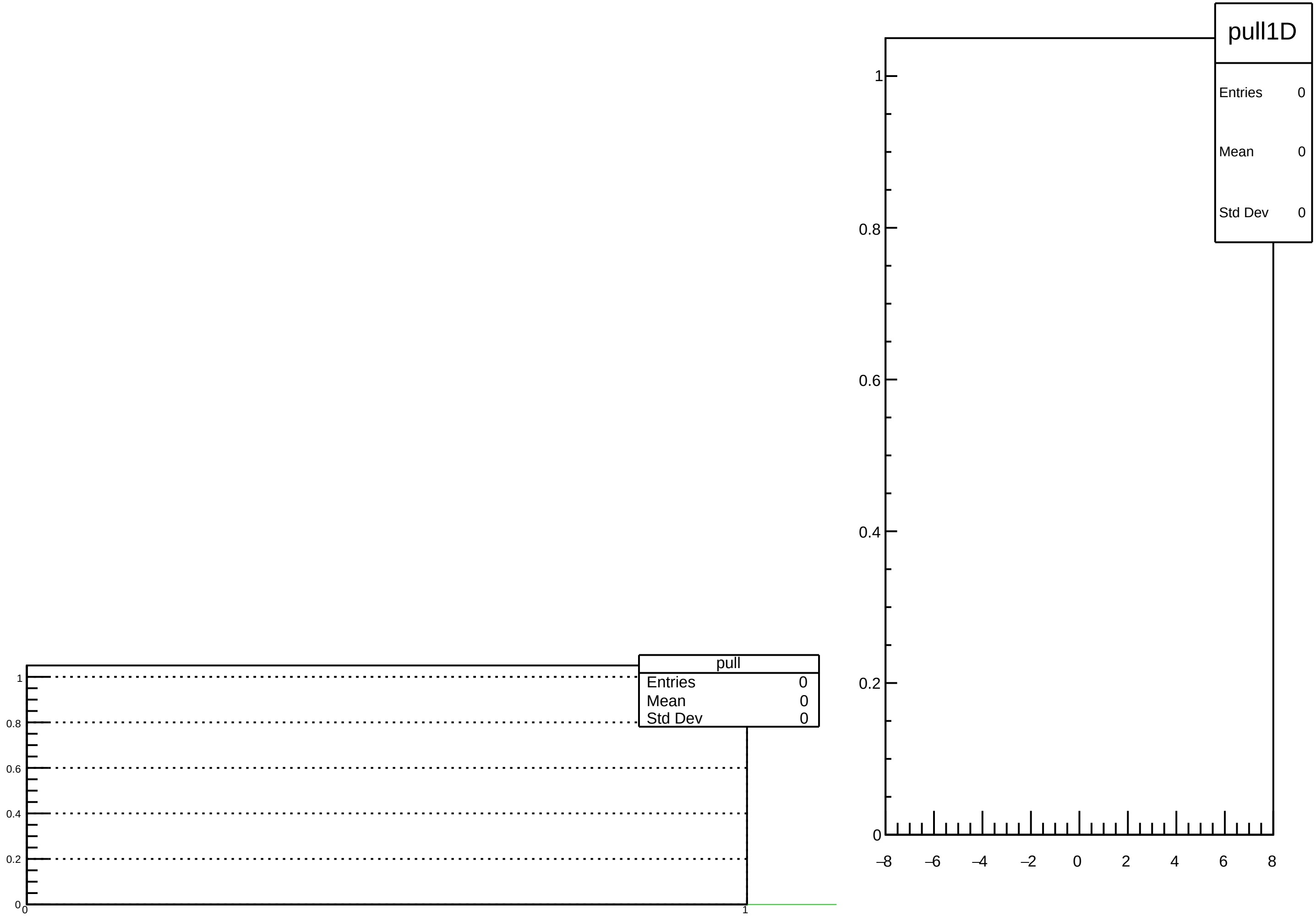

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Std Dev 0
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pull1D
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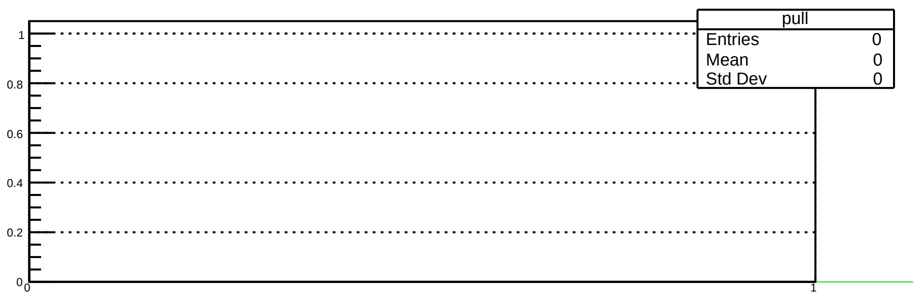
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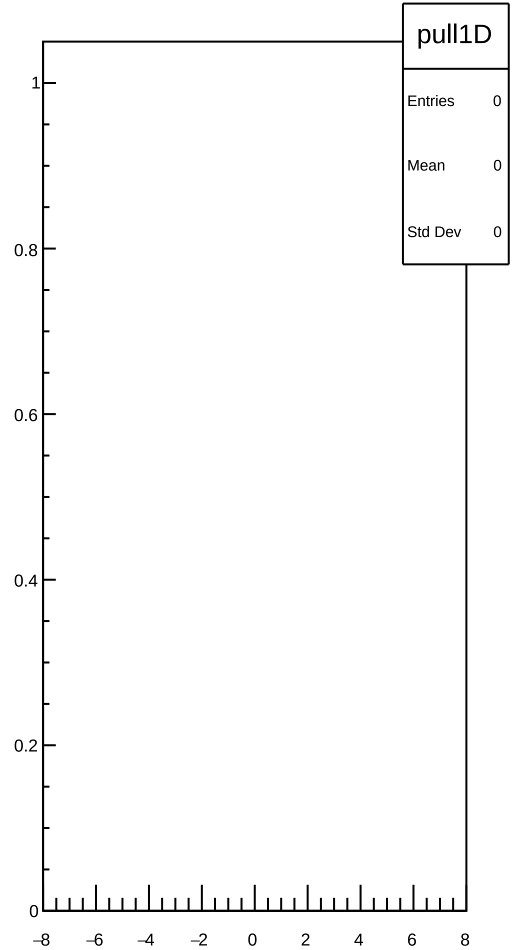
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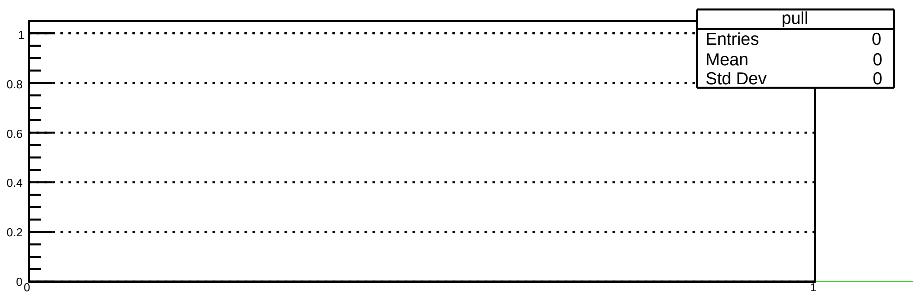
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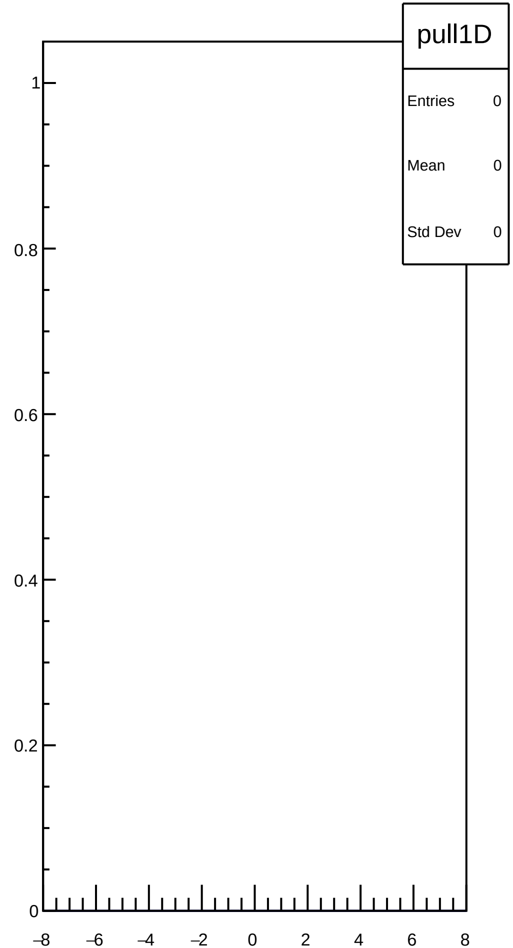
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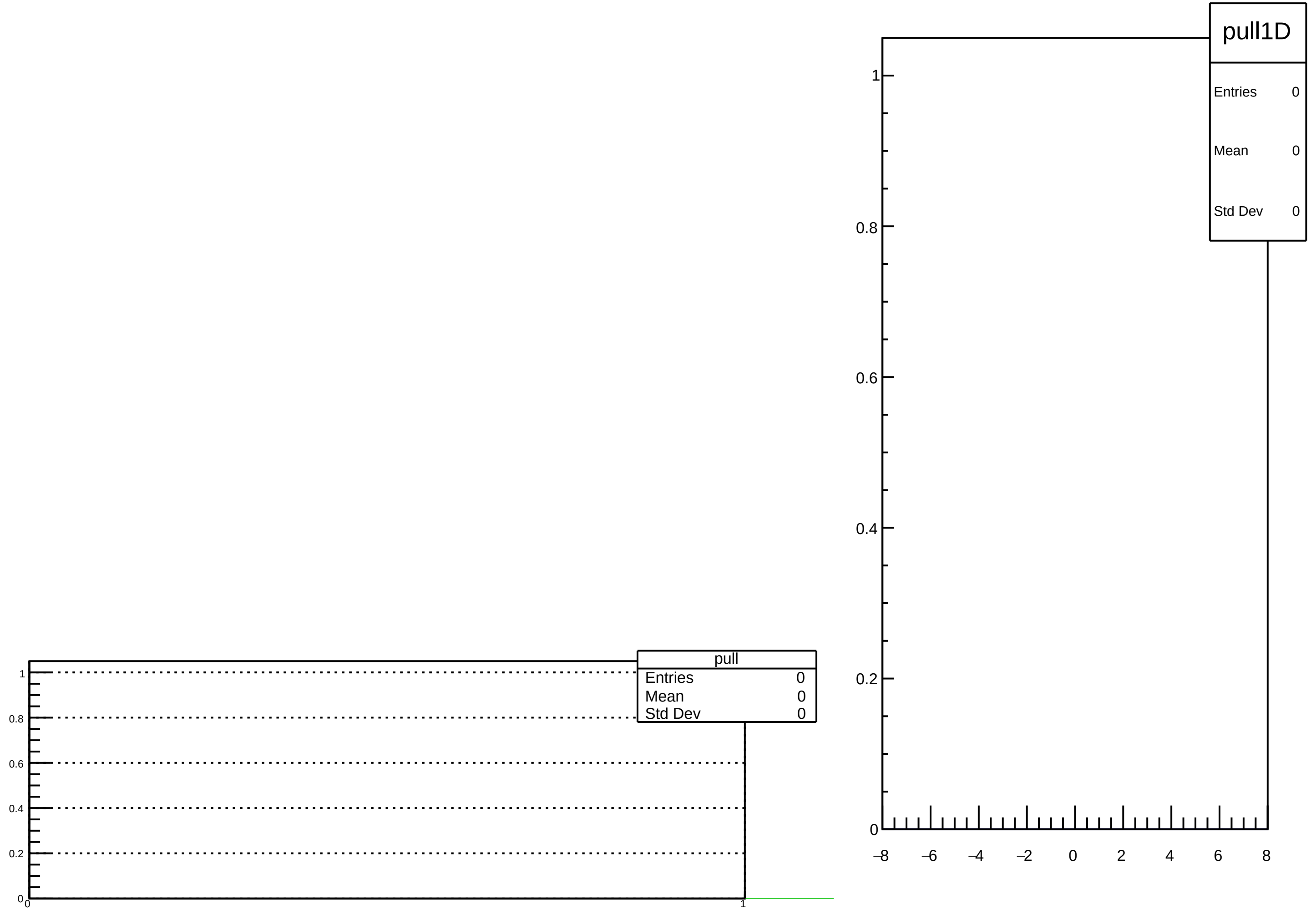
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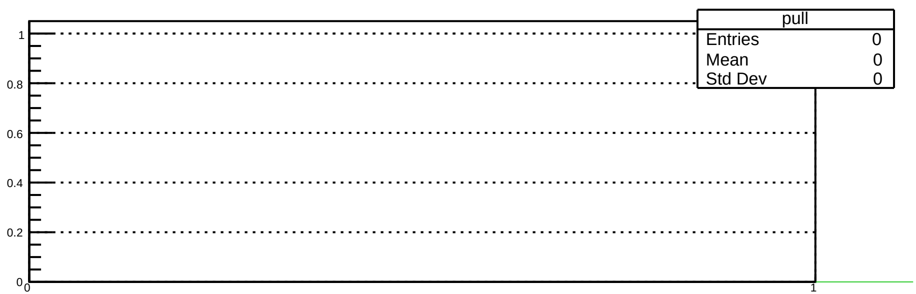

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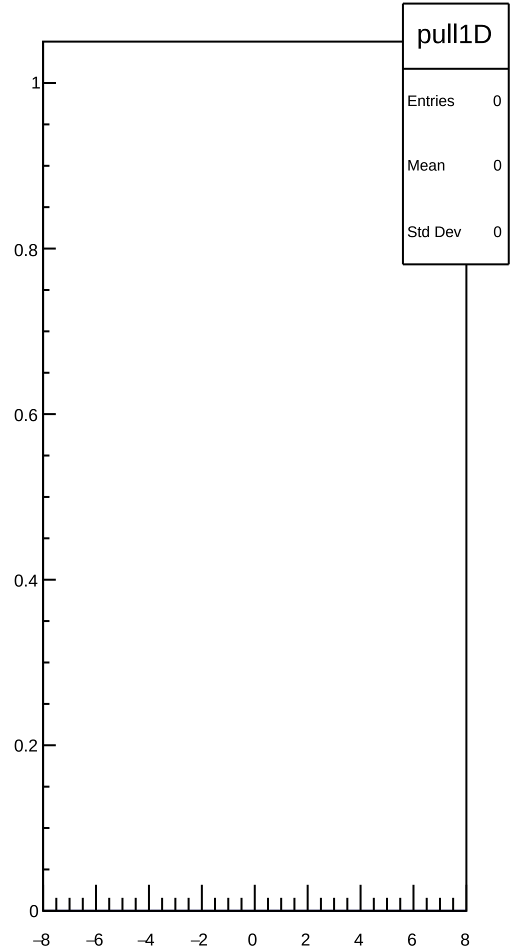

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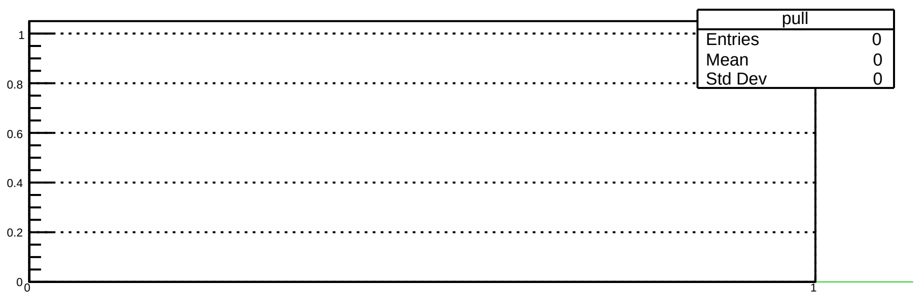
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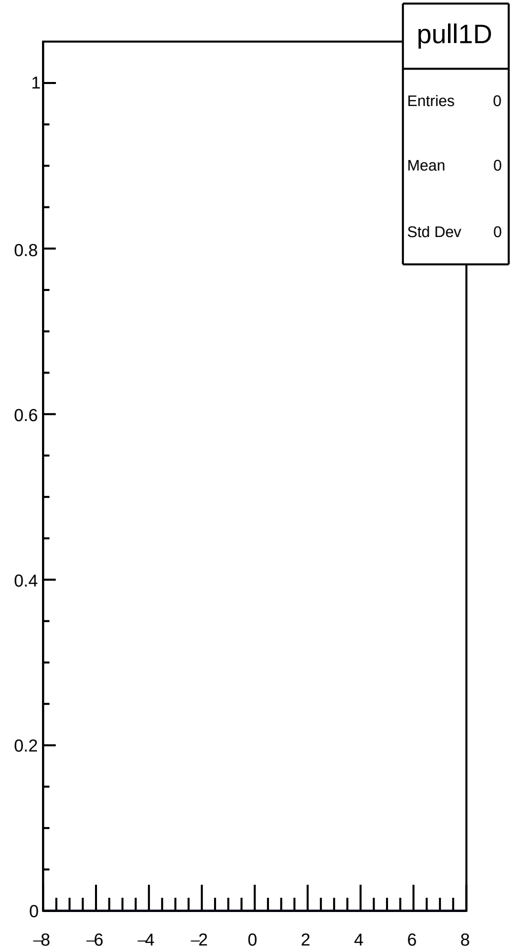
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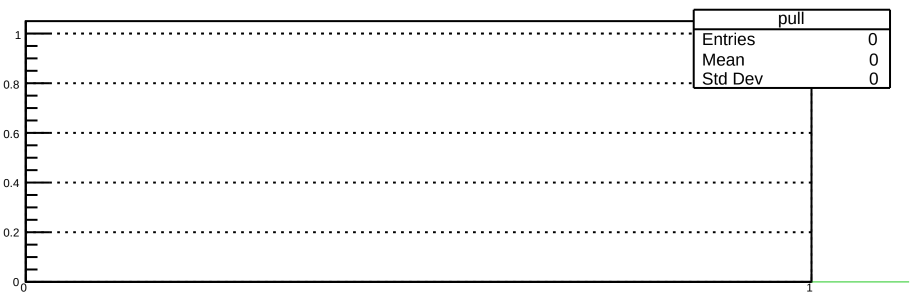
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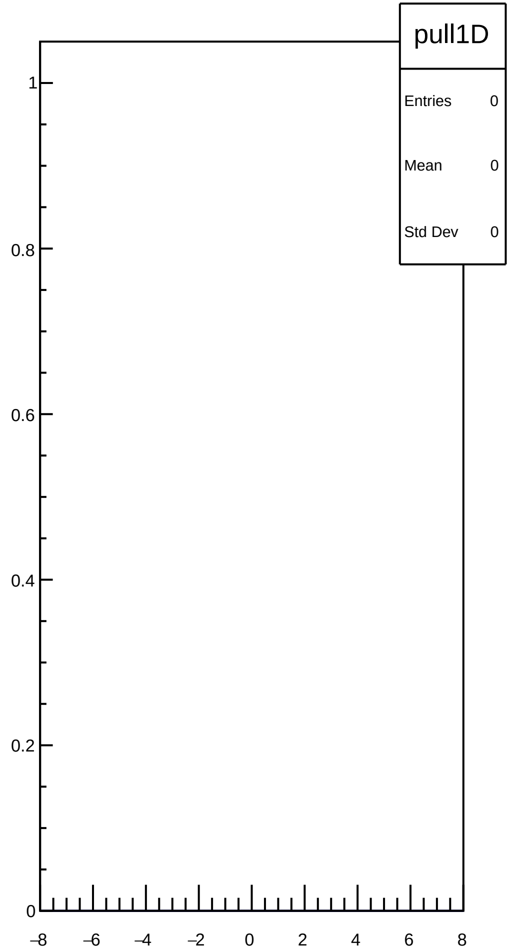
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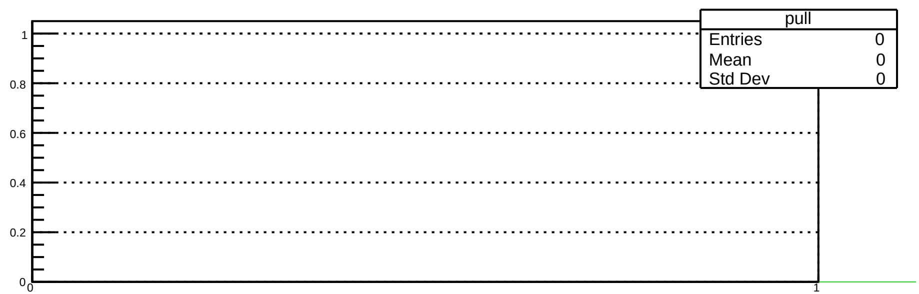

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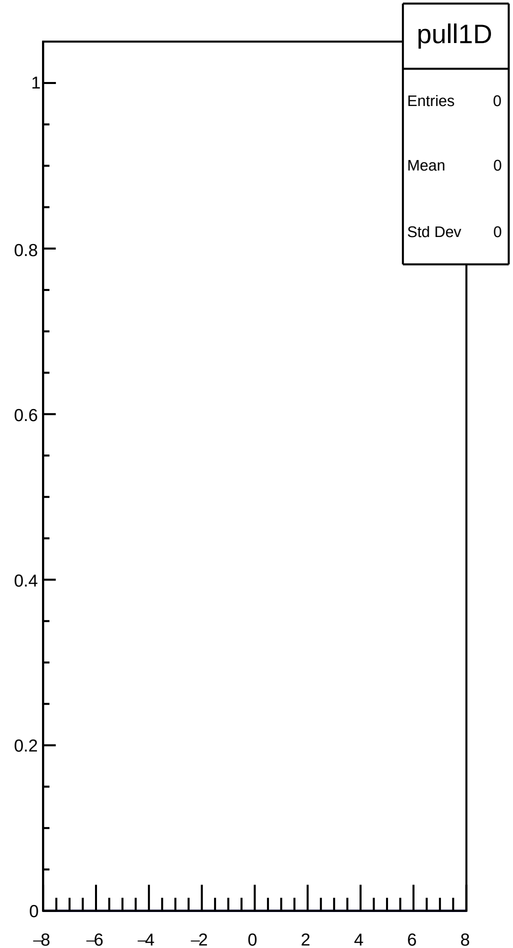

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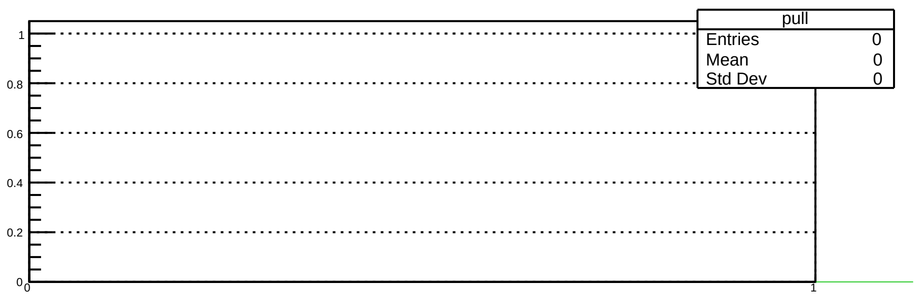
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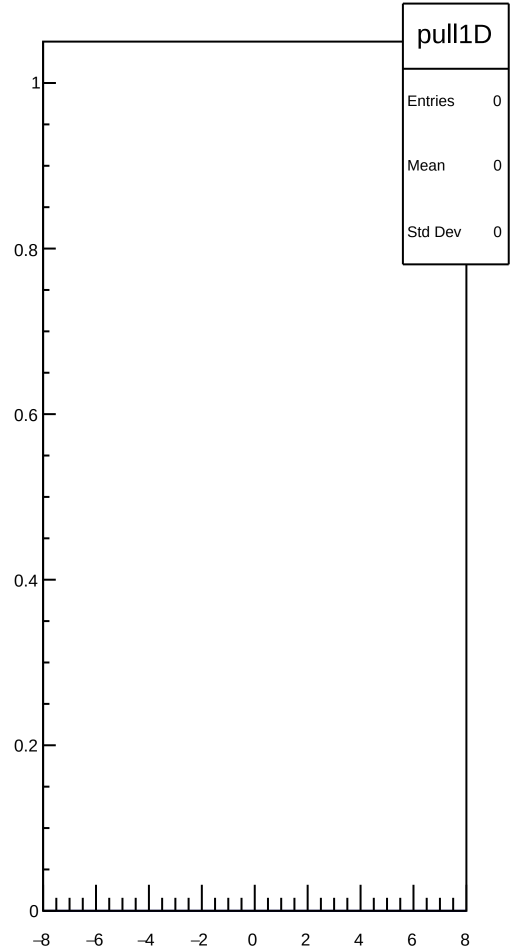
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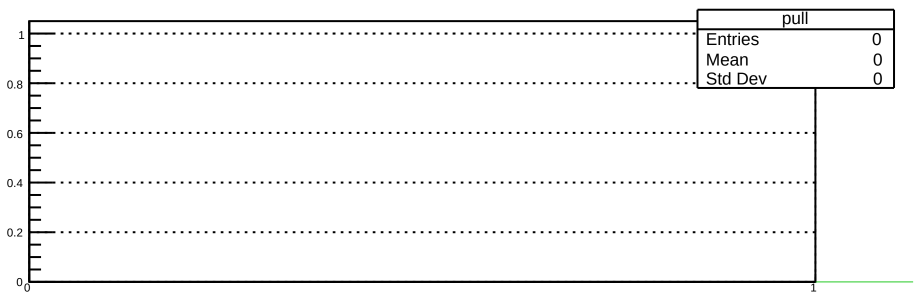
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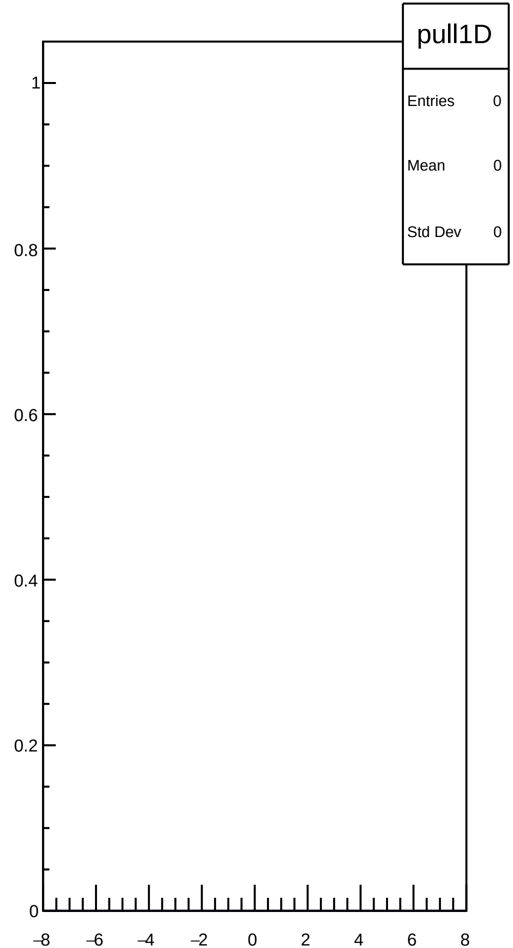
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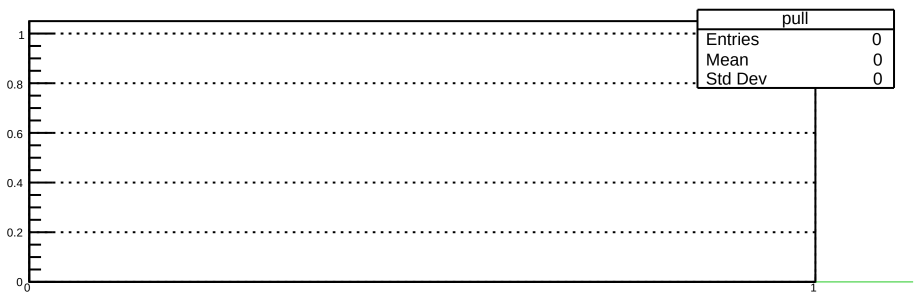
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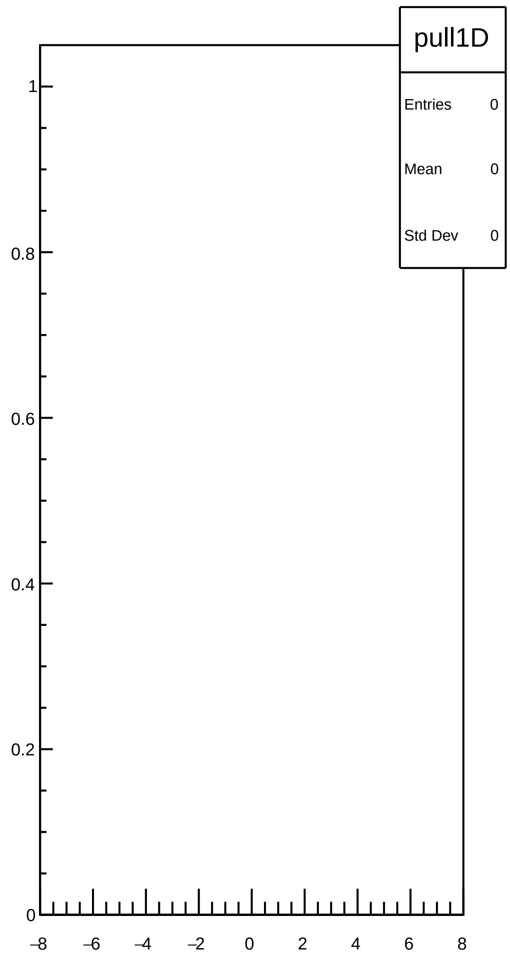
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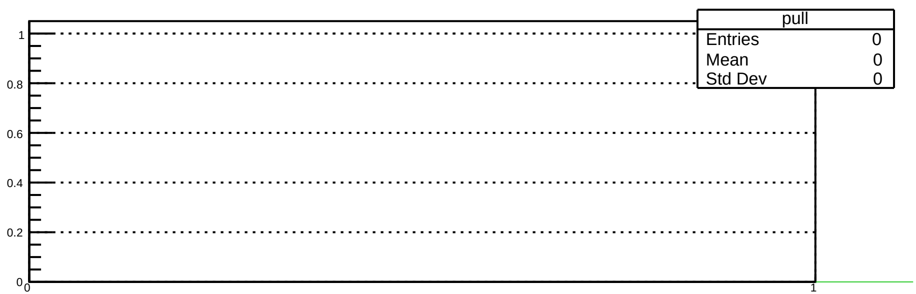

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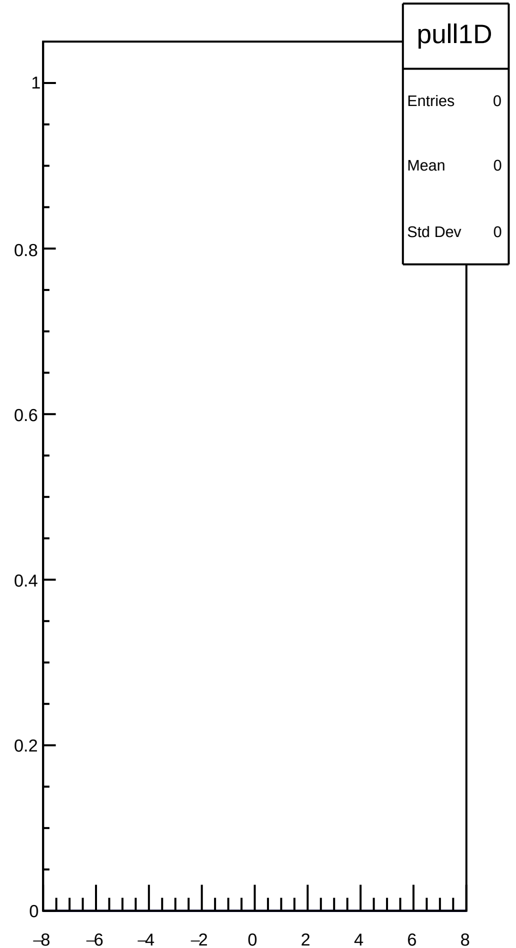

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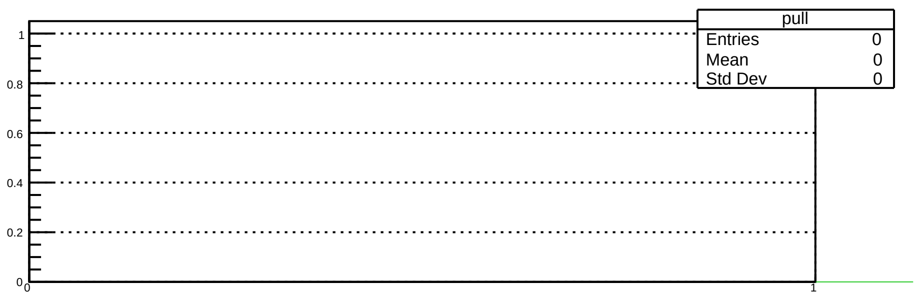

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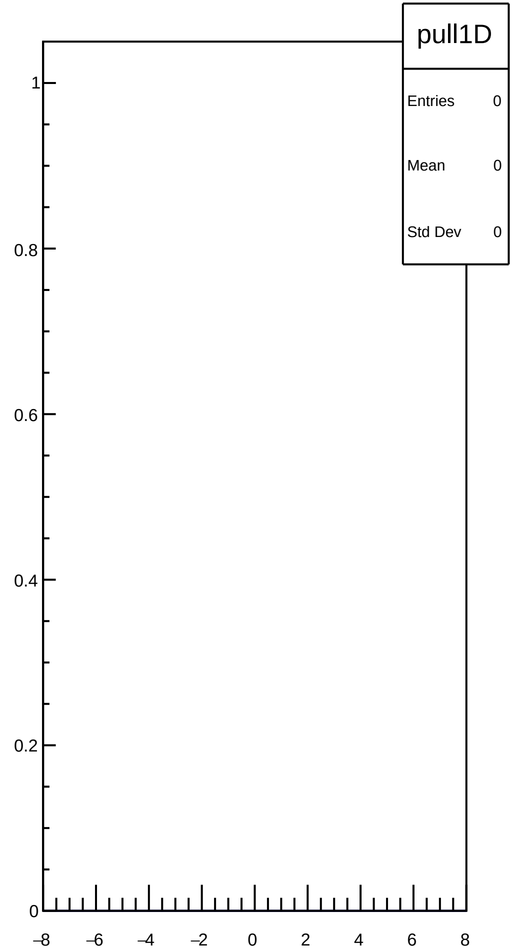

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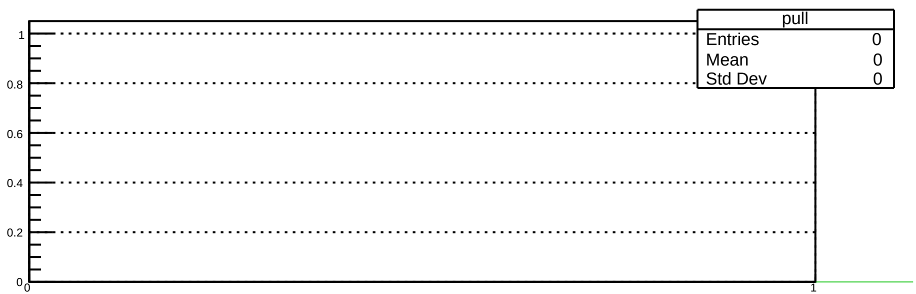
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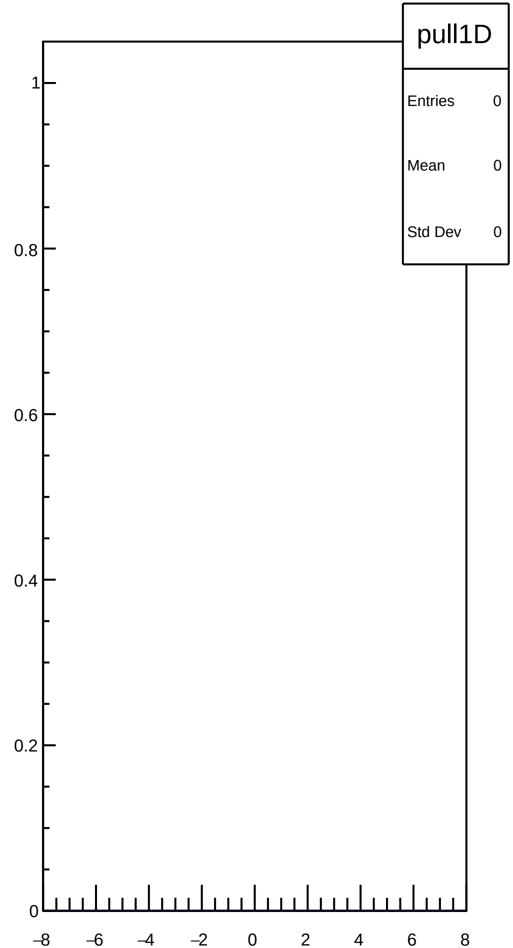
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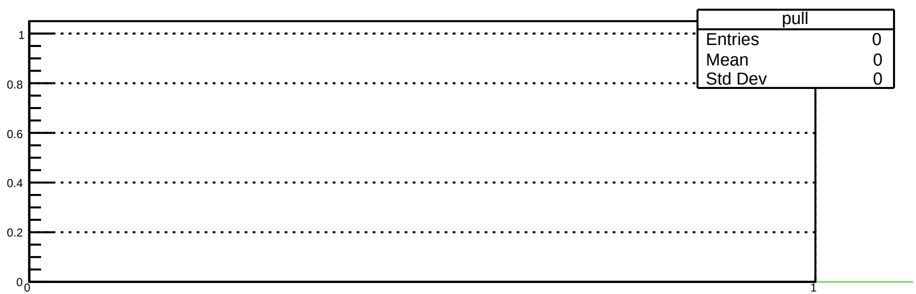
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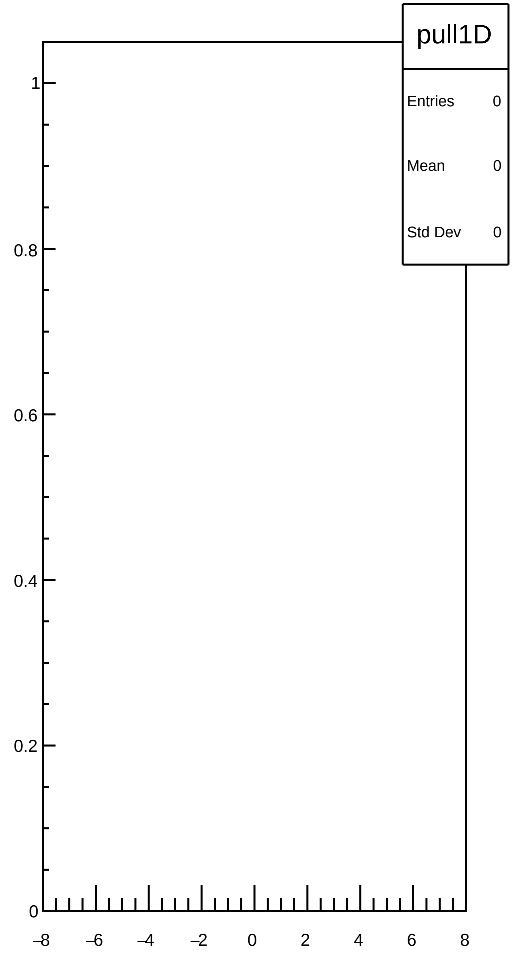
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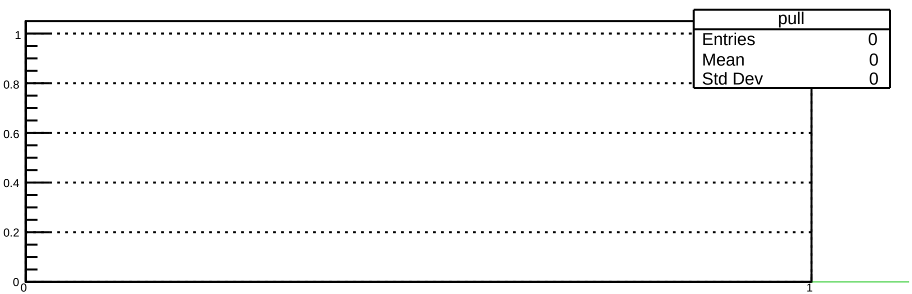
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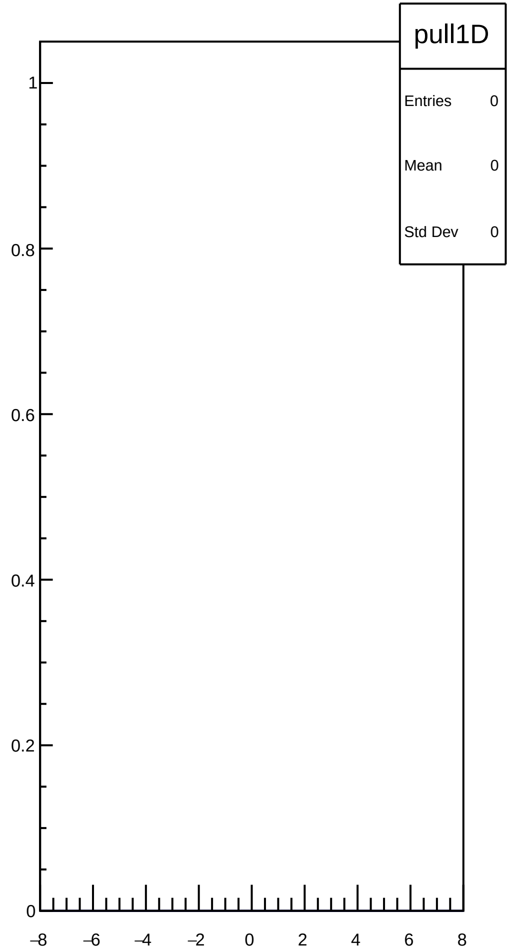
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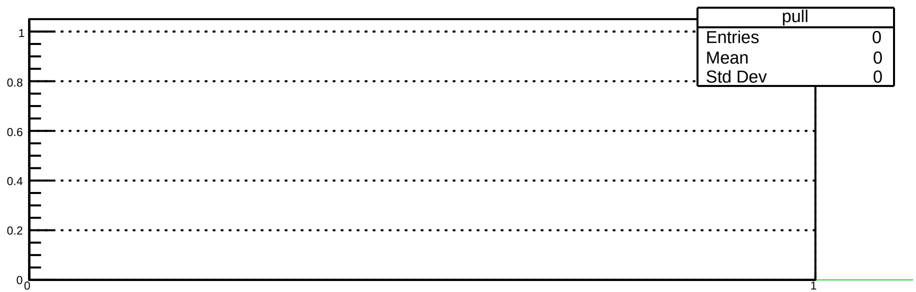

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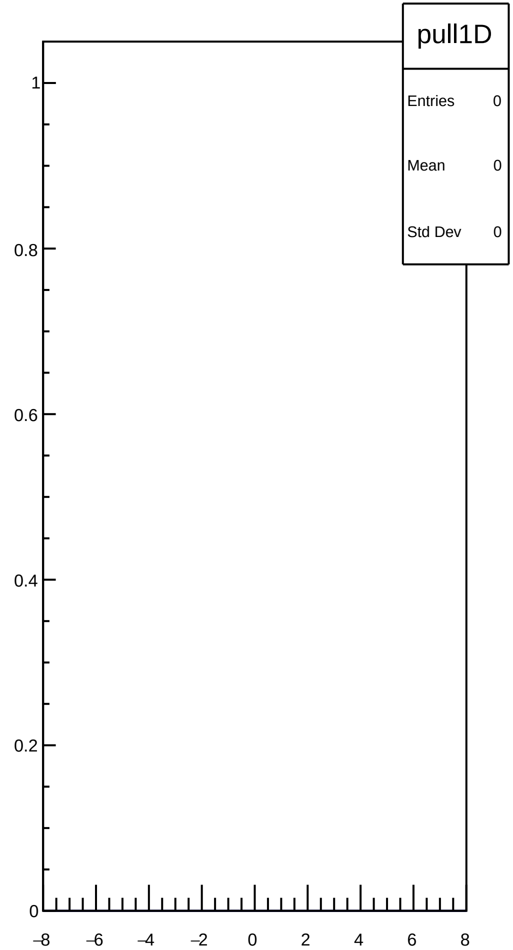

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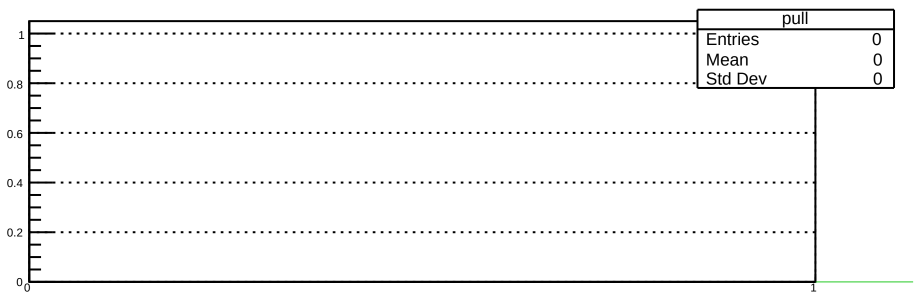
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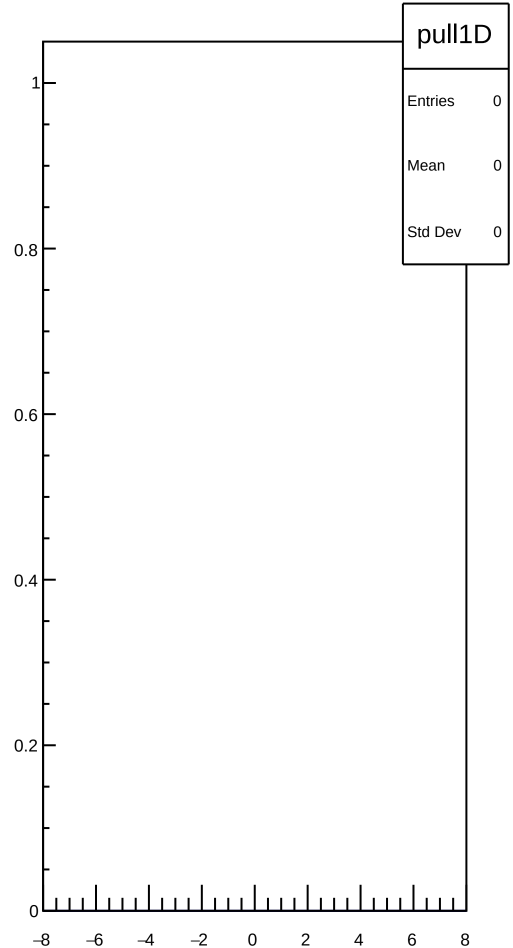
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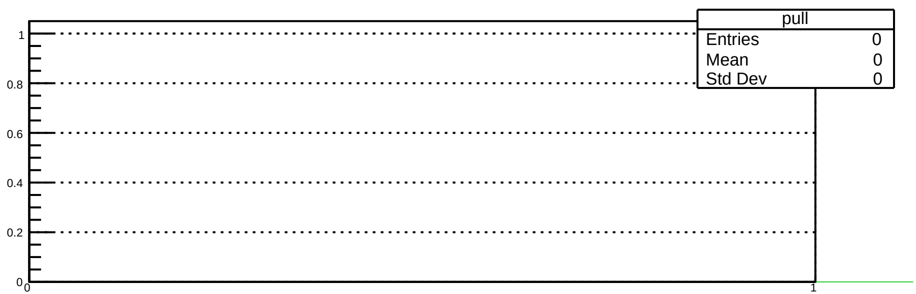
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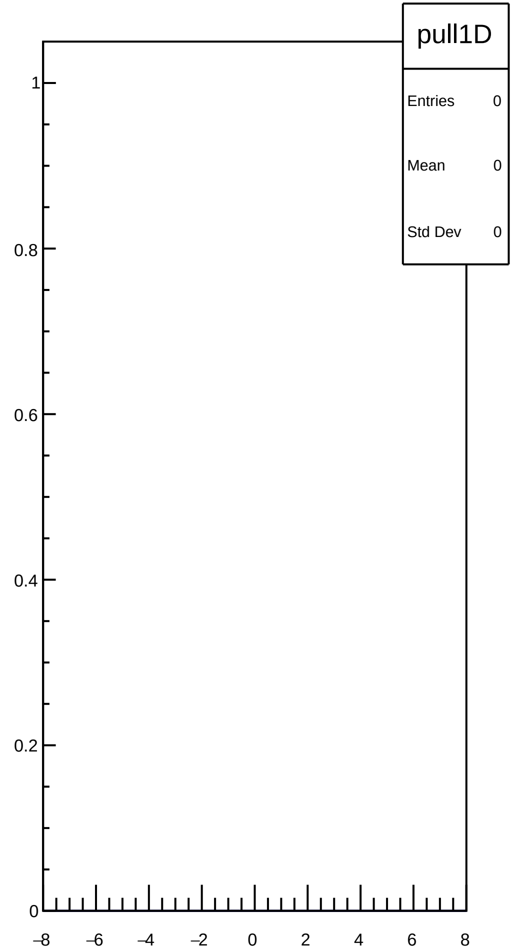
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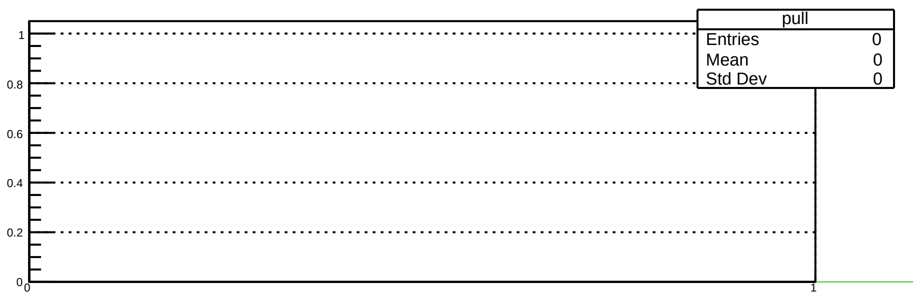
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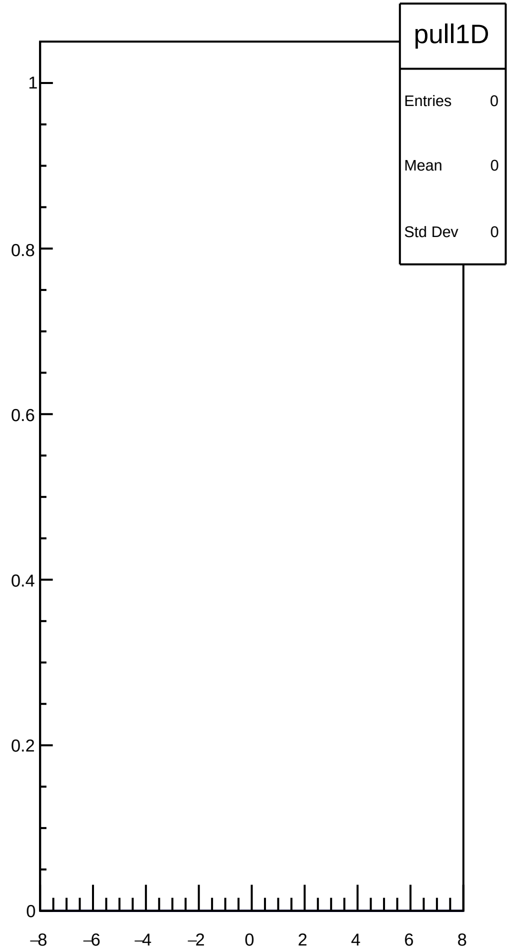
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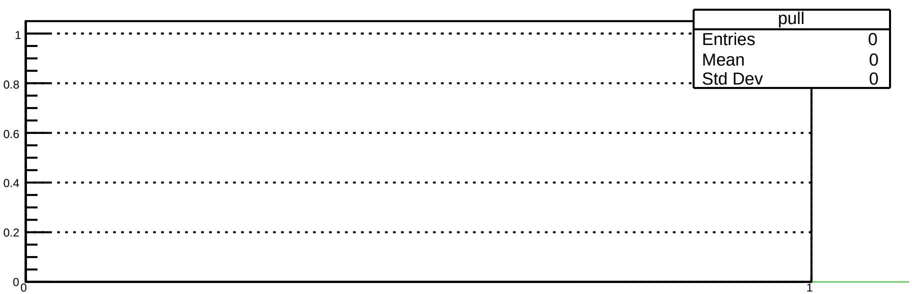
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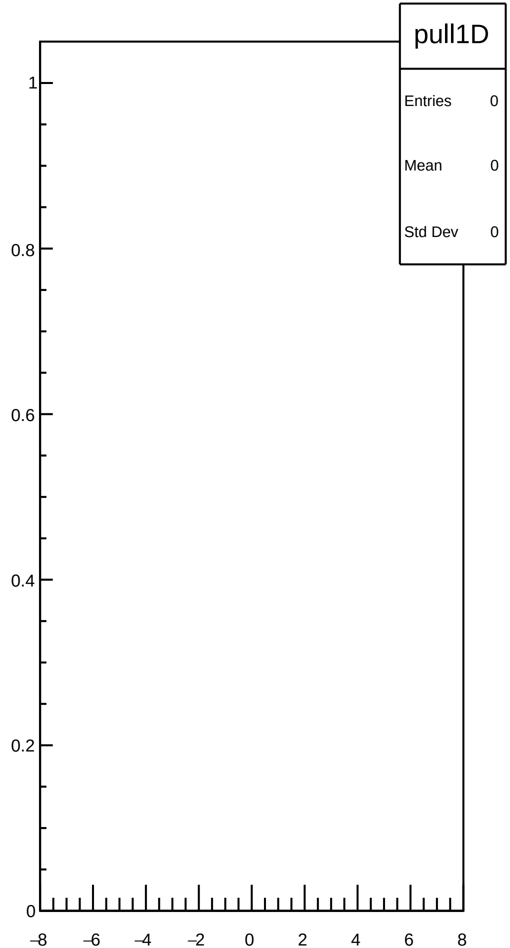
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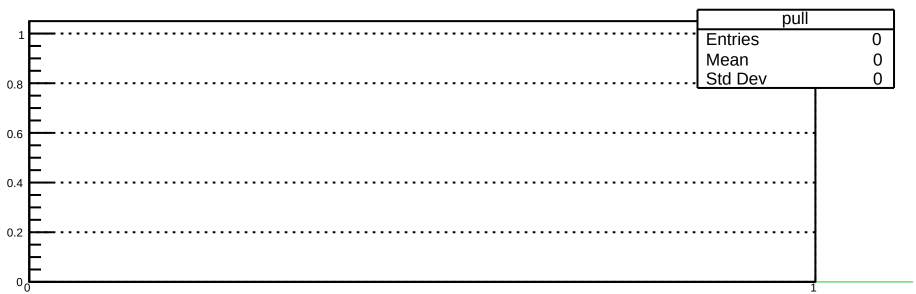

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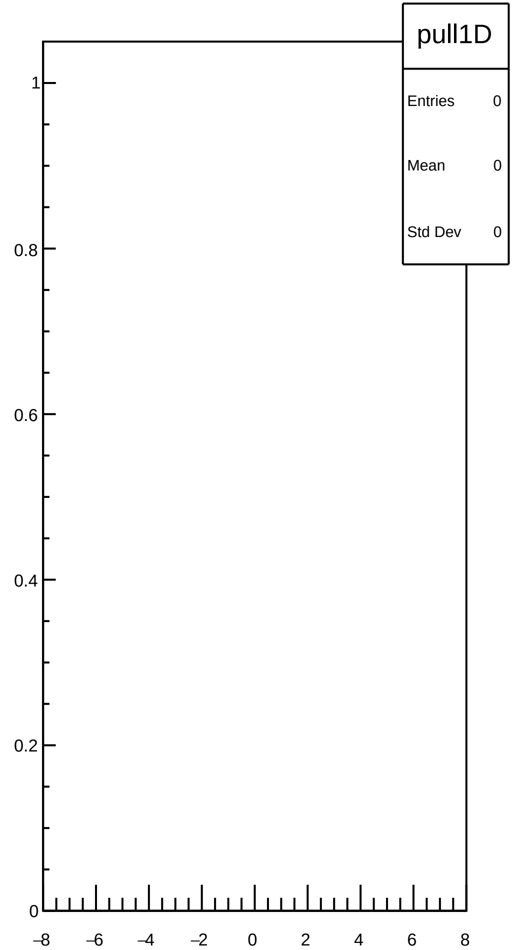

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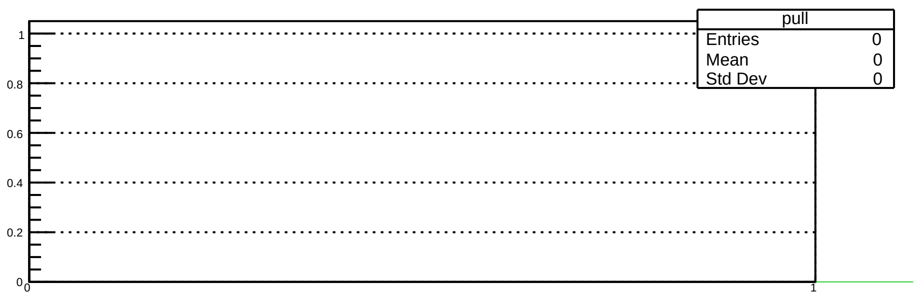
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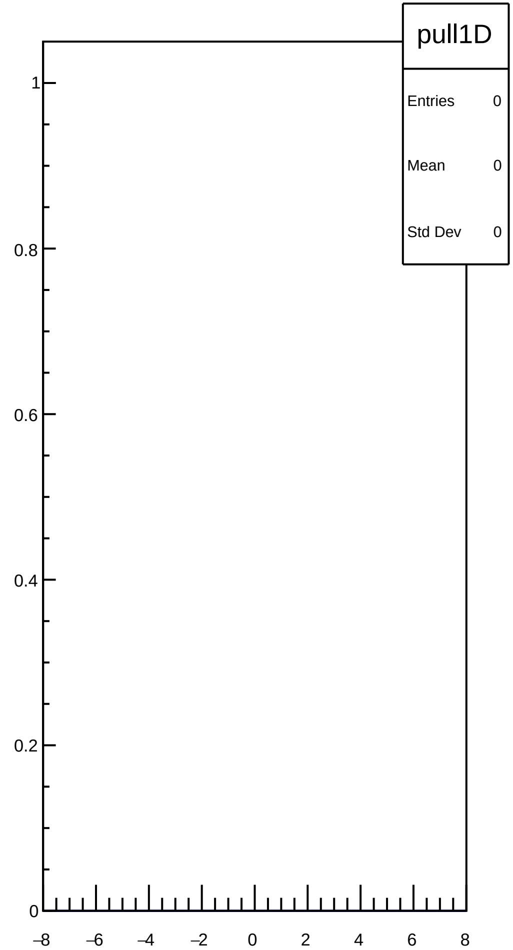
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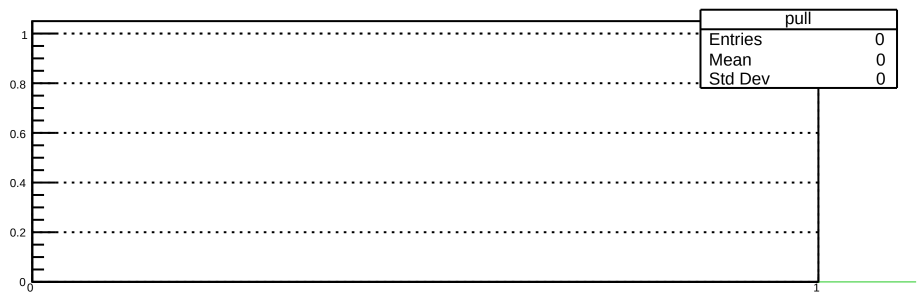

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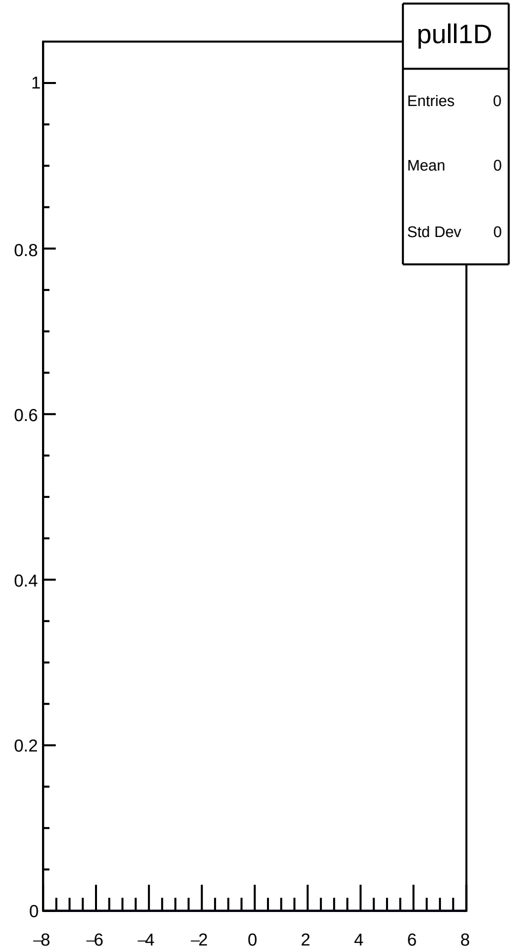

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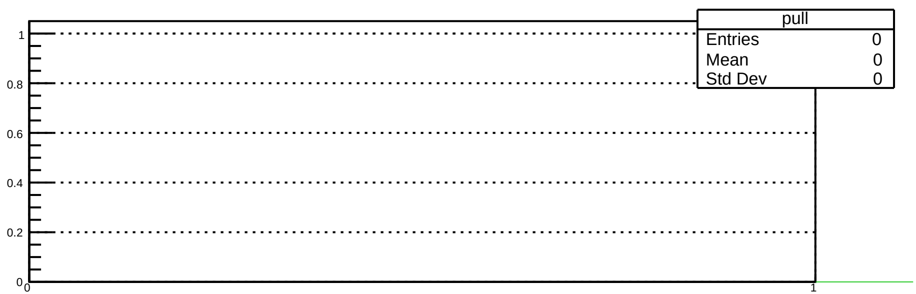
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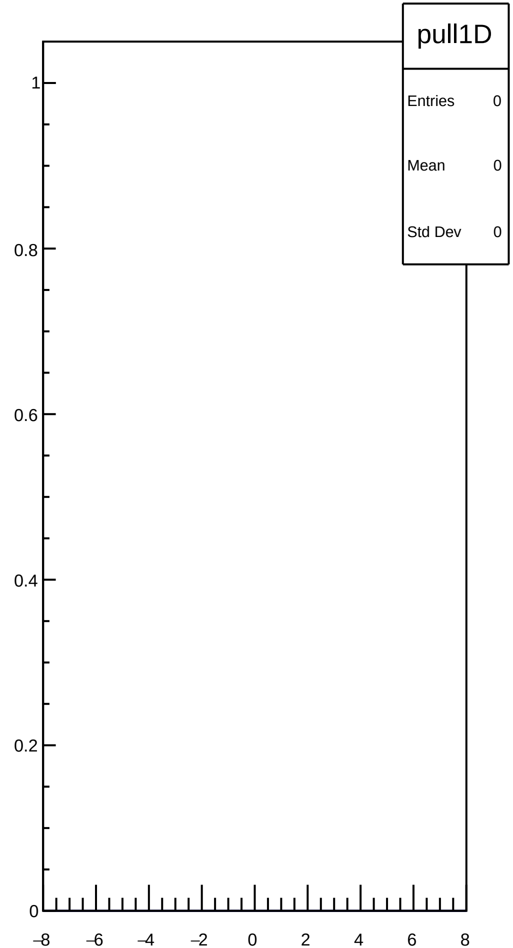
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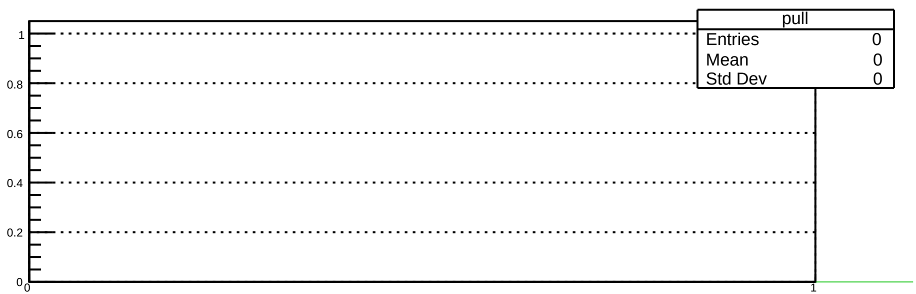
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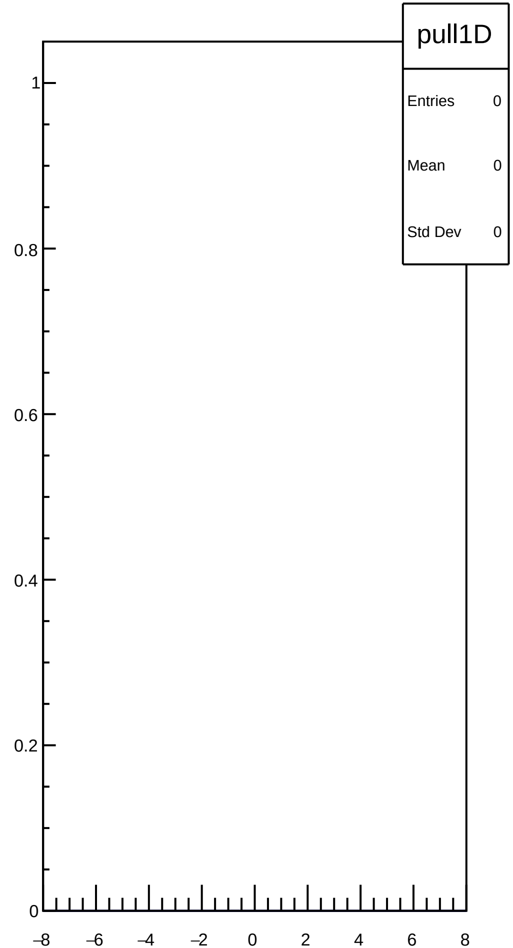
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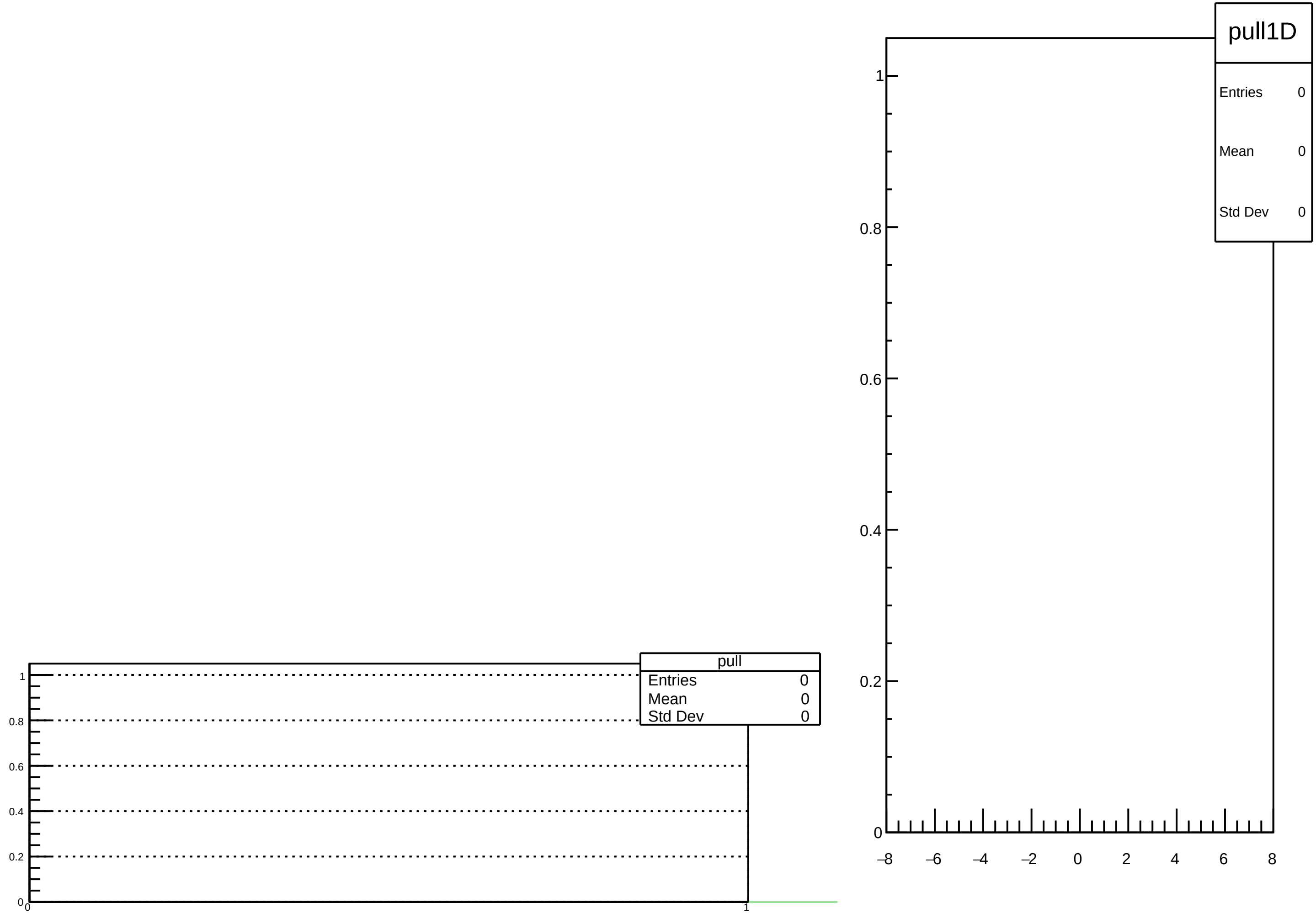

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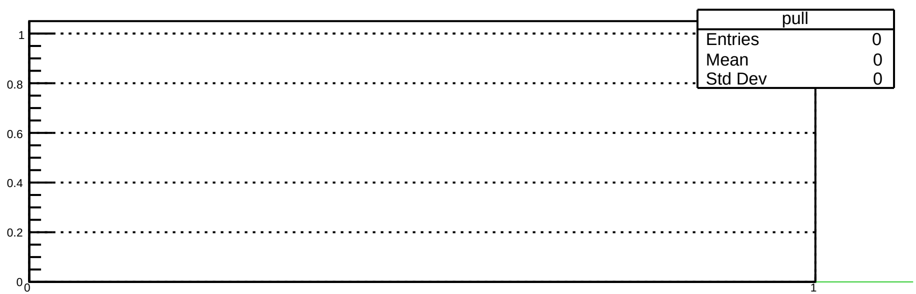

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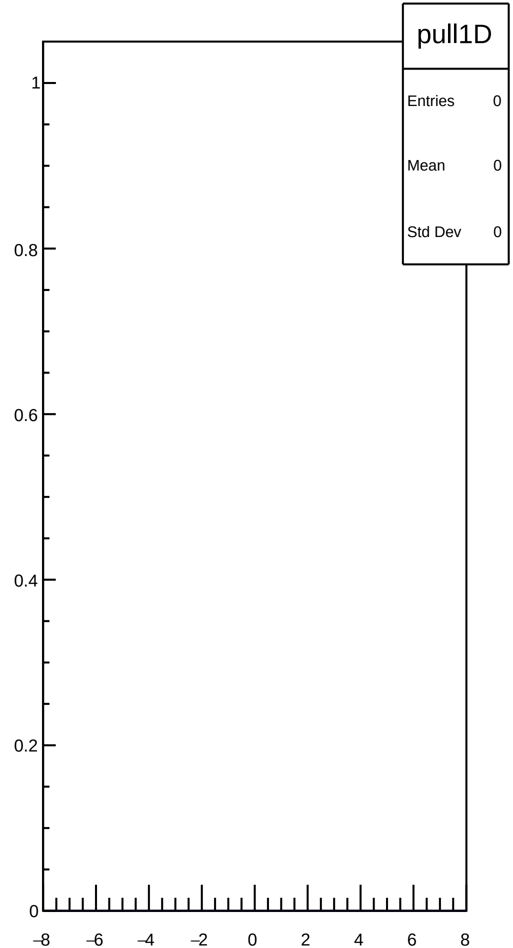

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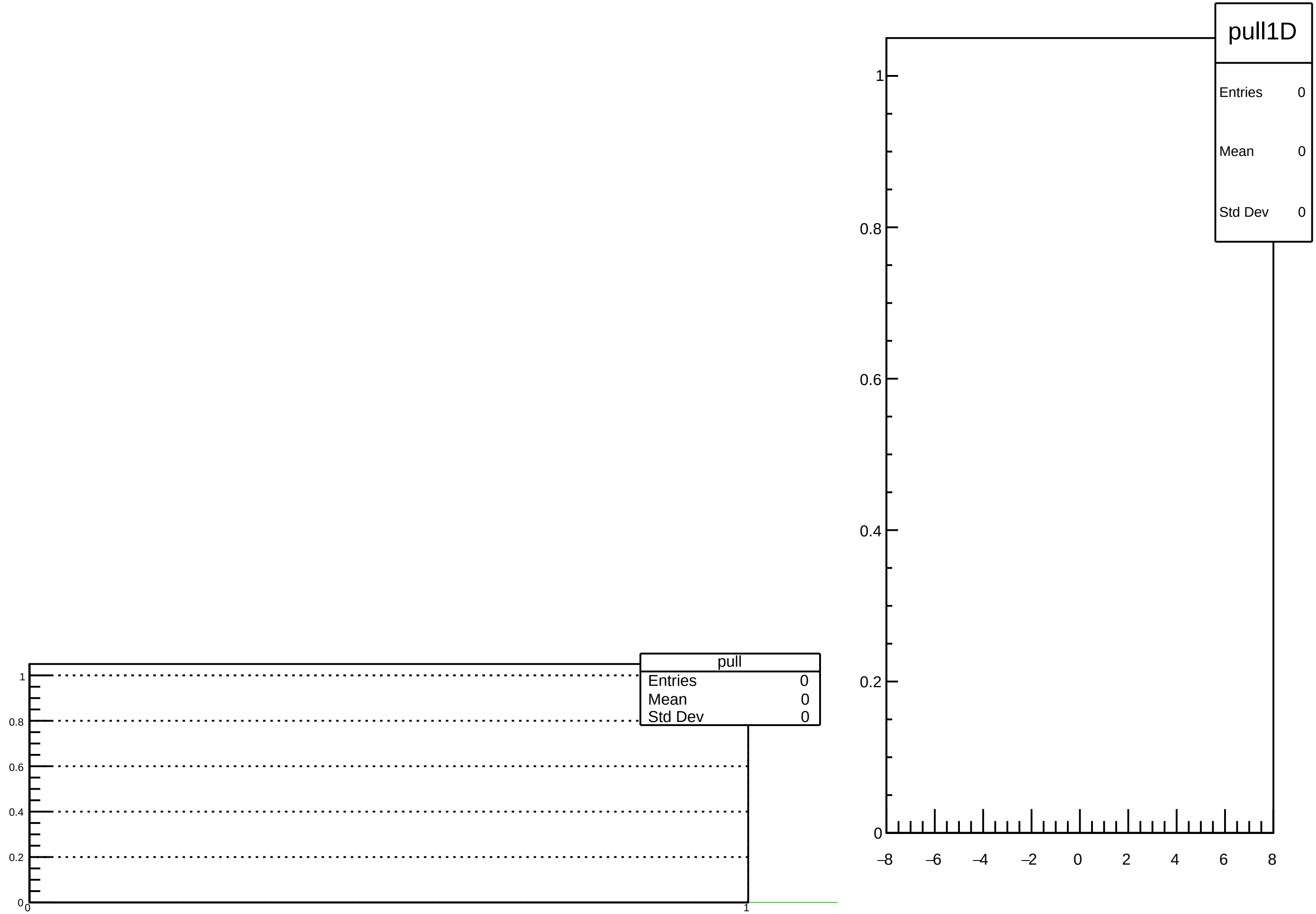

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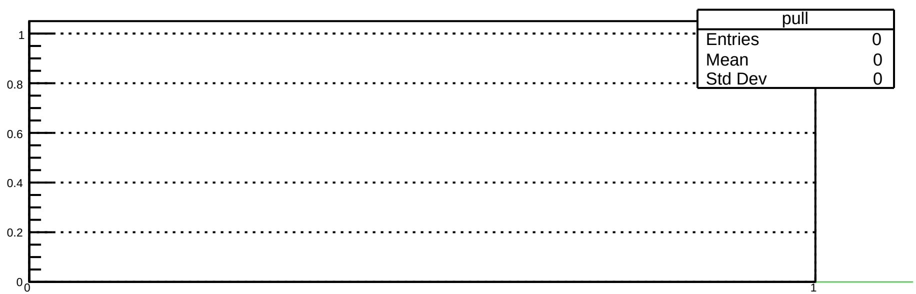
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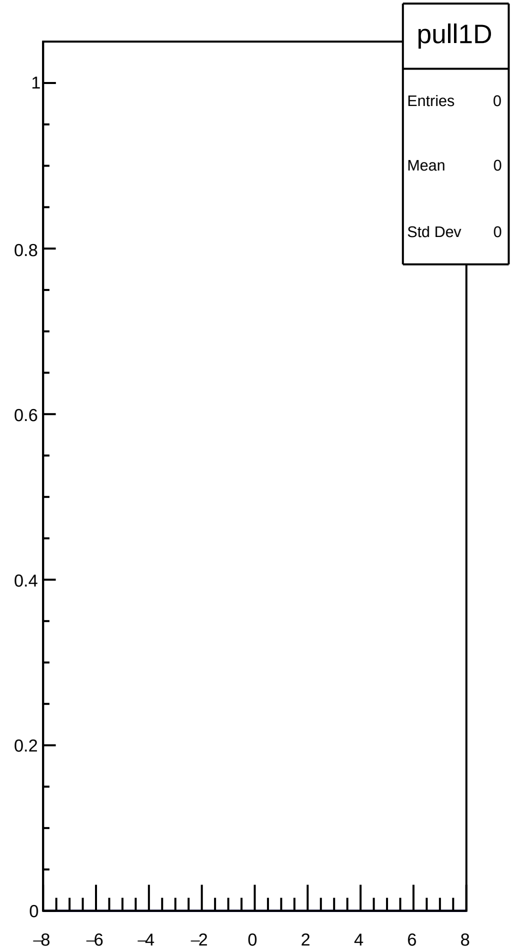
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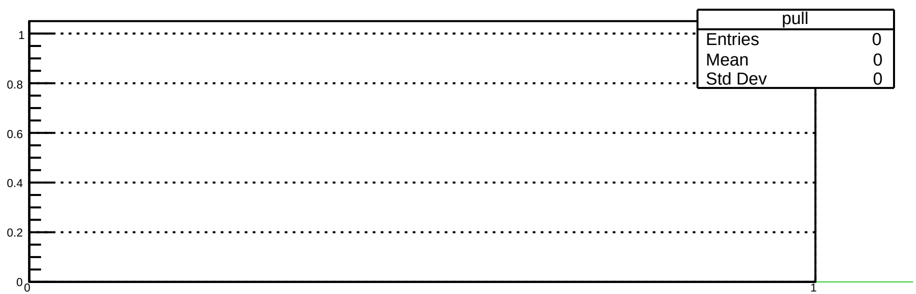
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Std Dev 0
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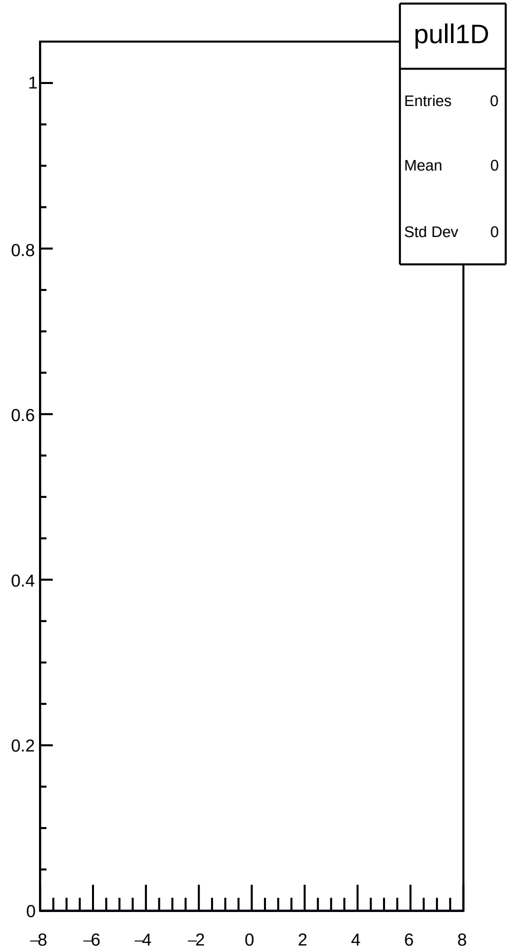
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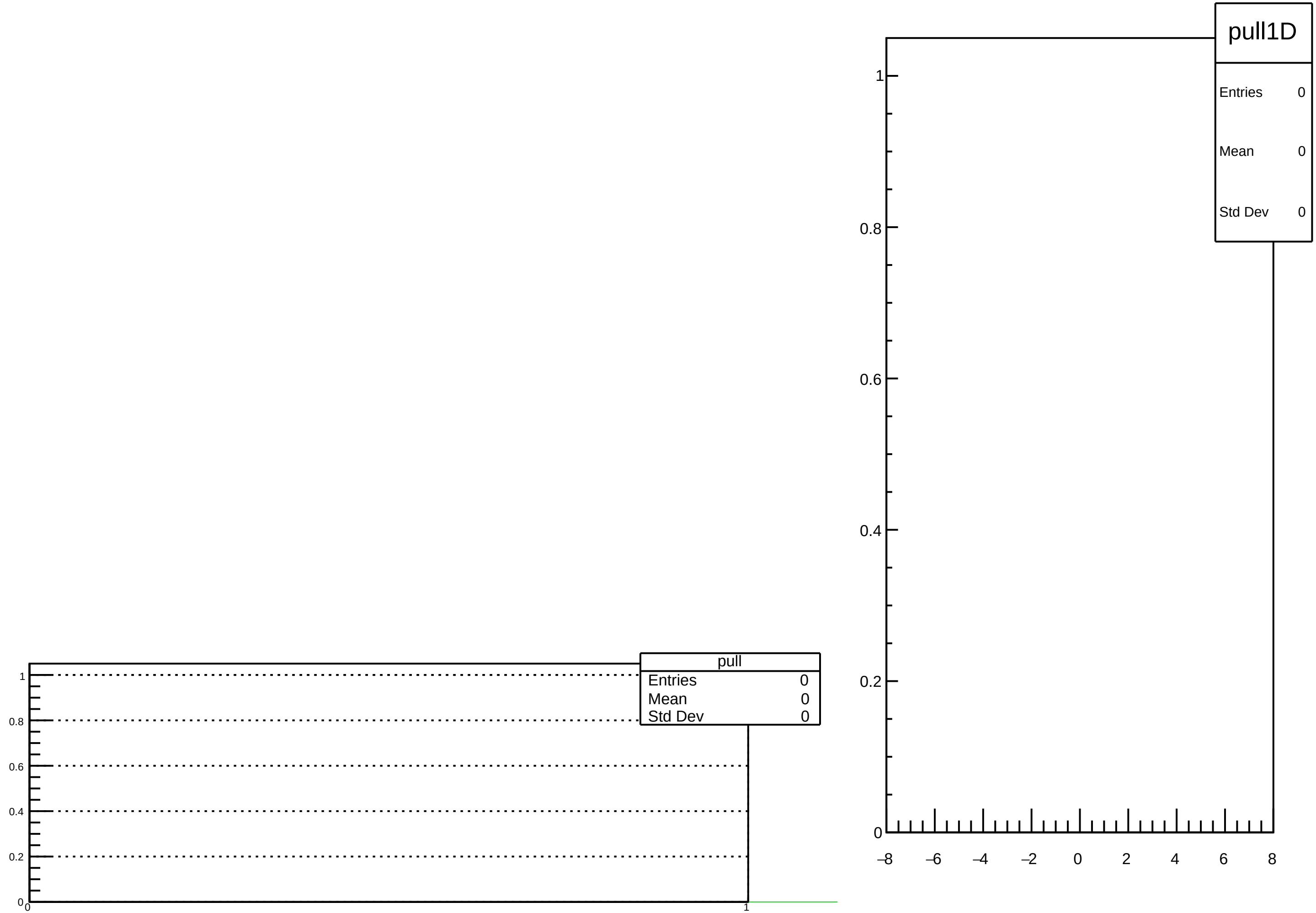

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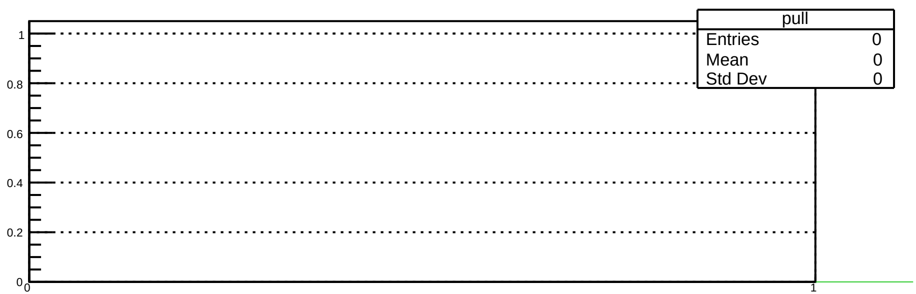

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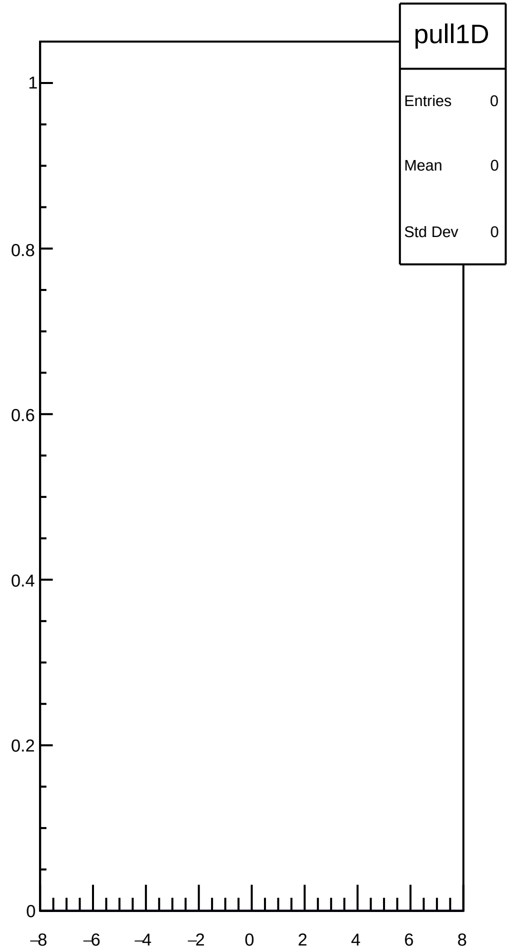

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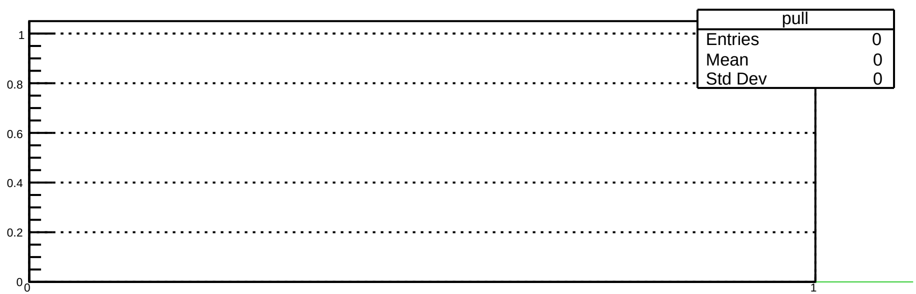
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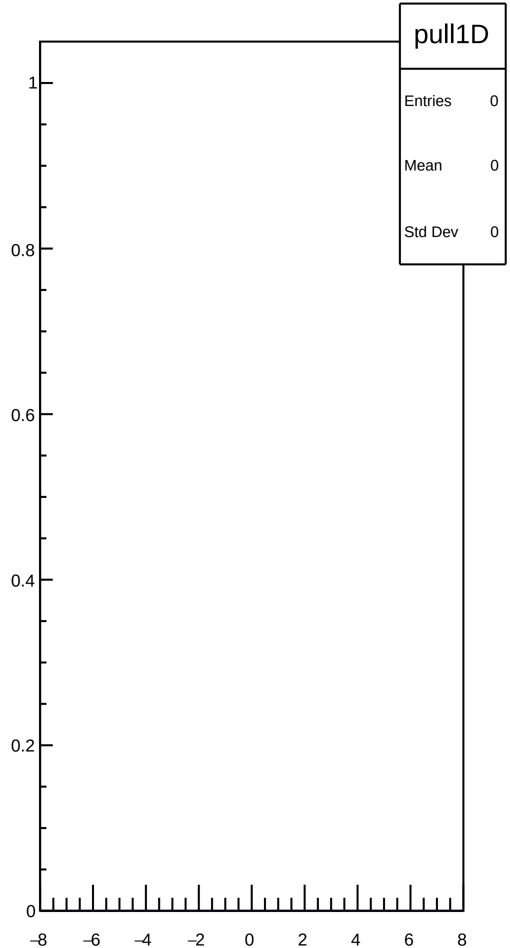
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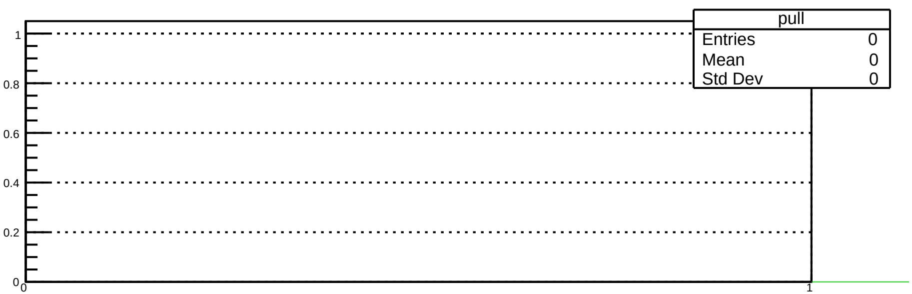

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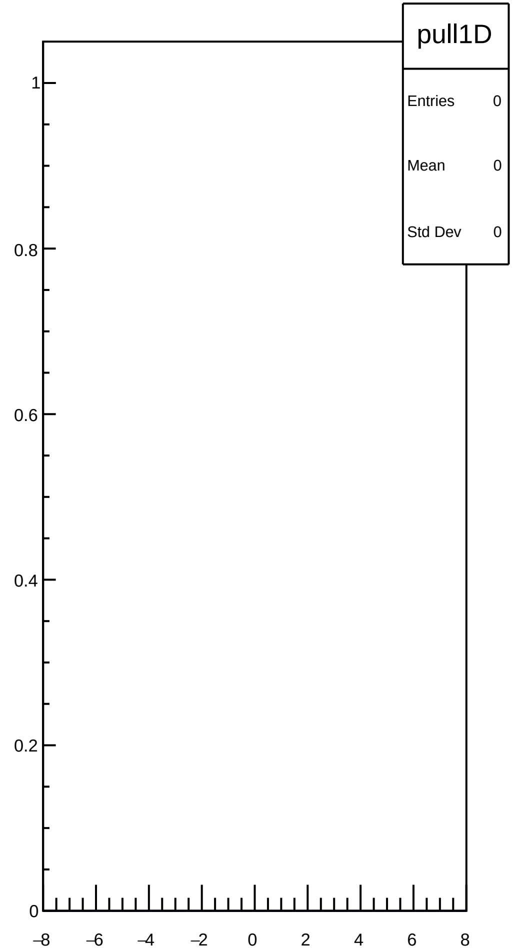

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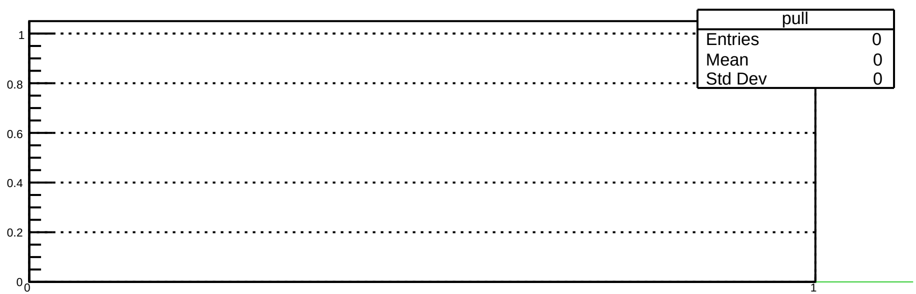
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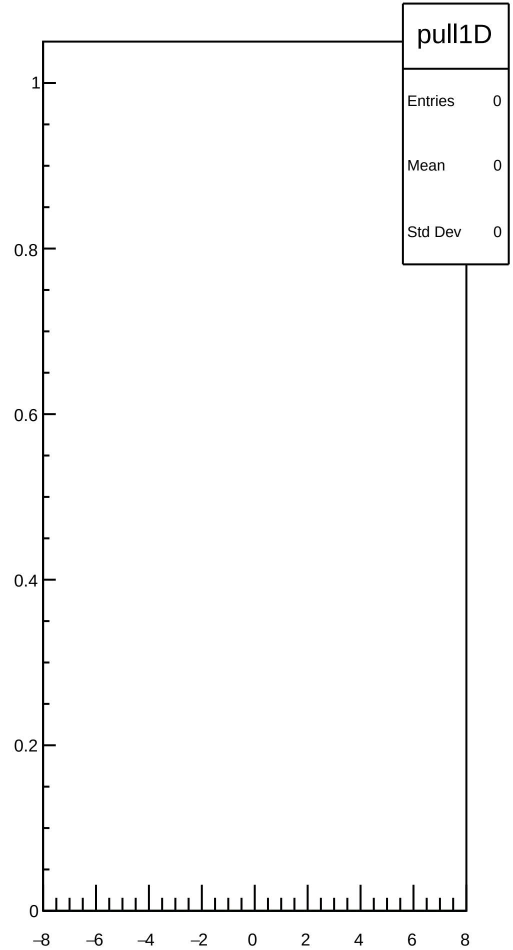
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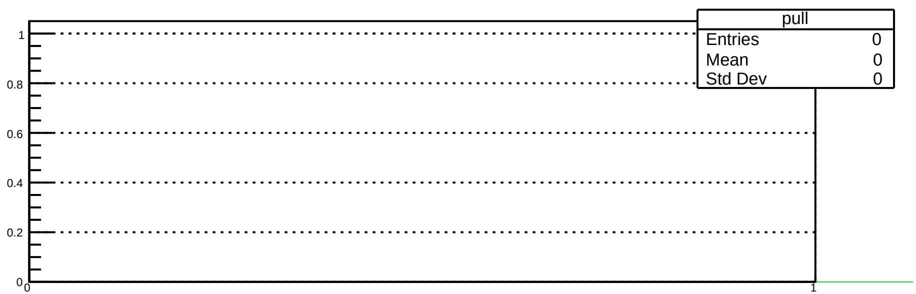
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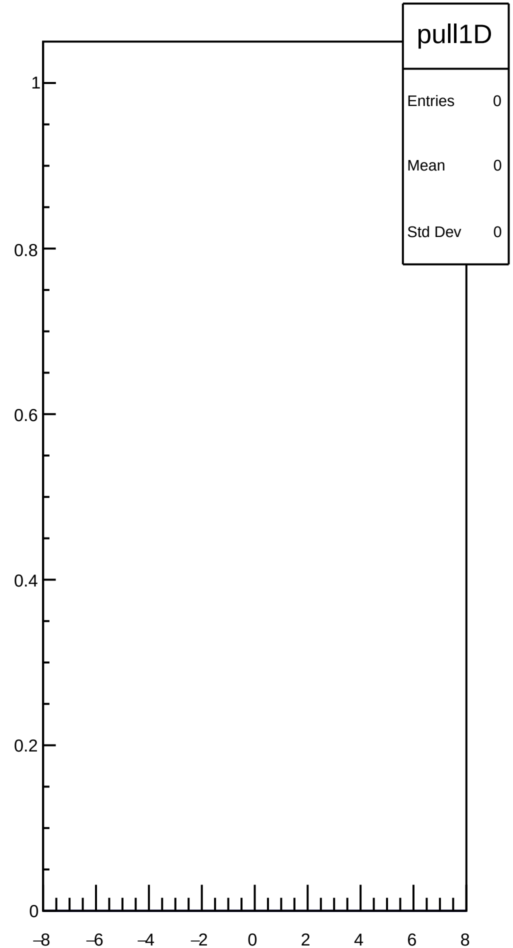
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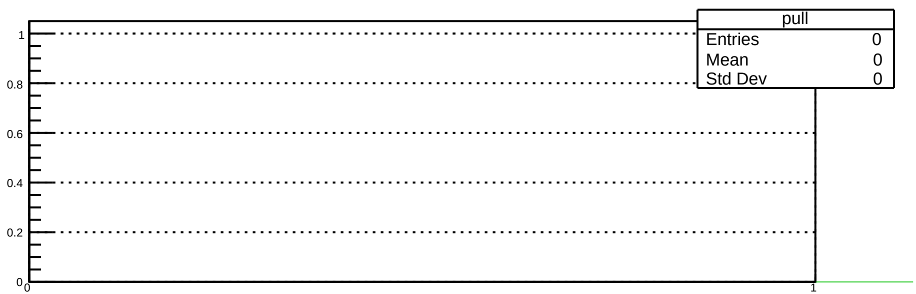
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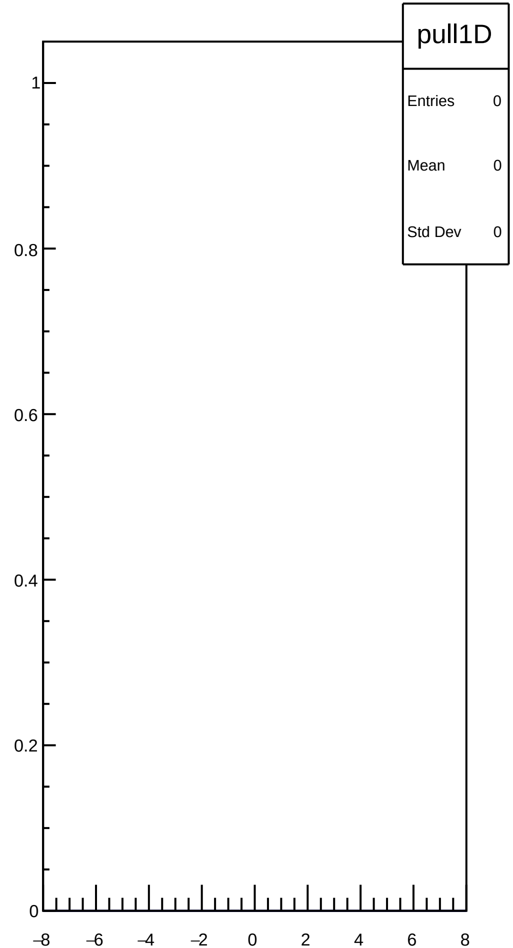
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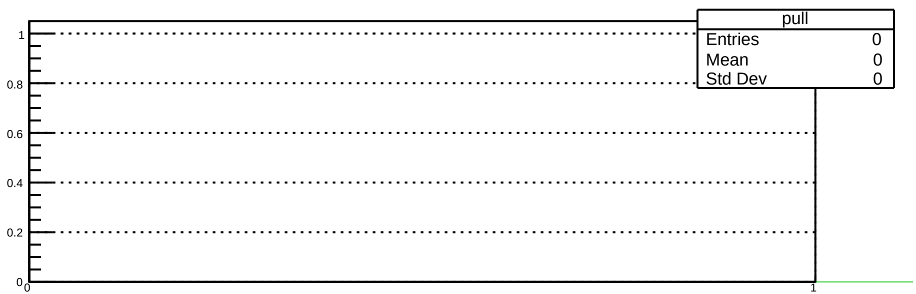
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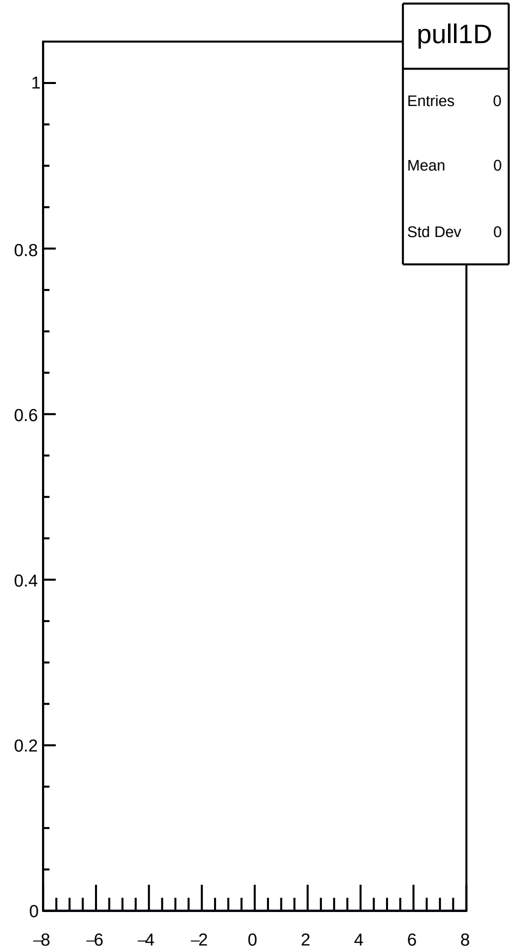
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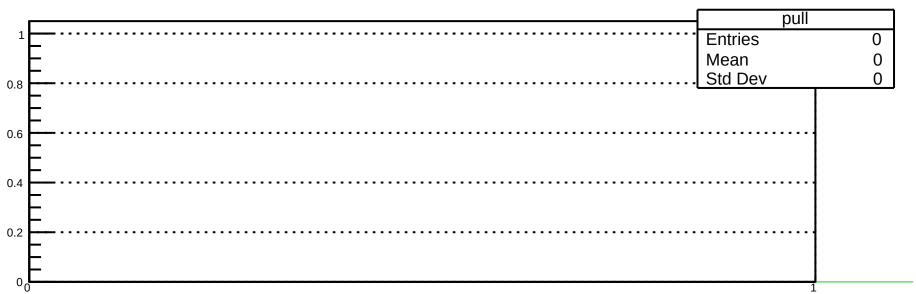
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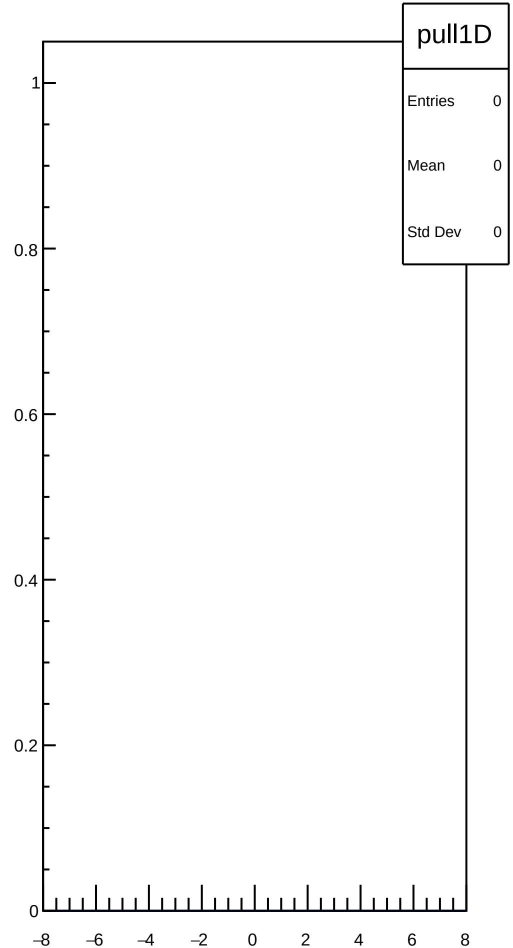
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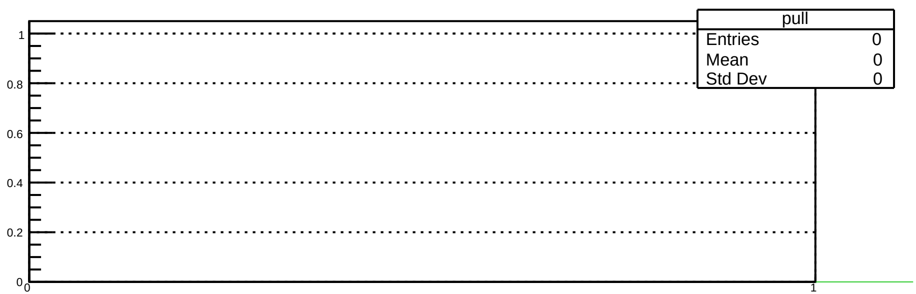
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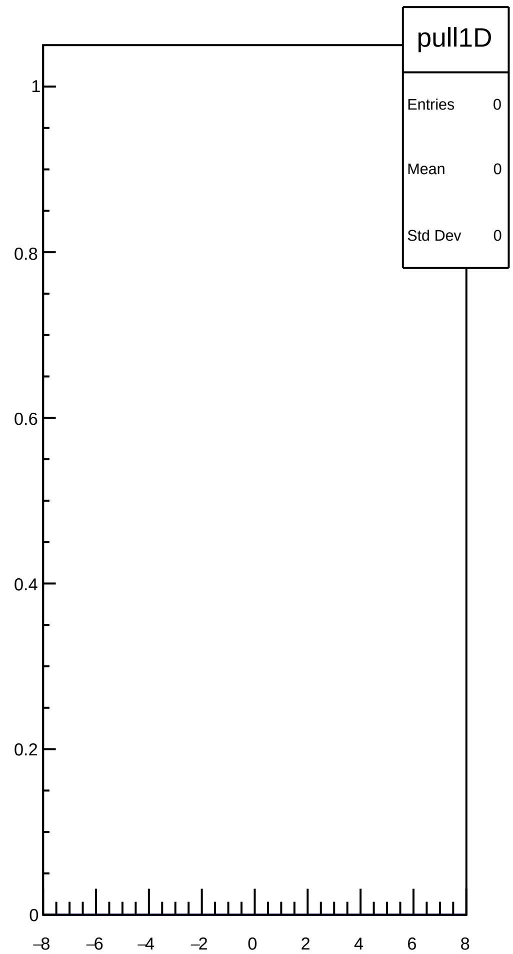
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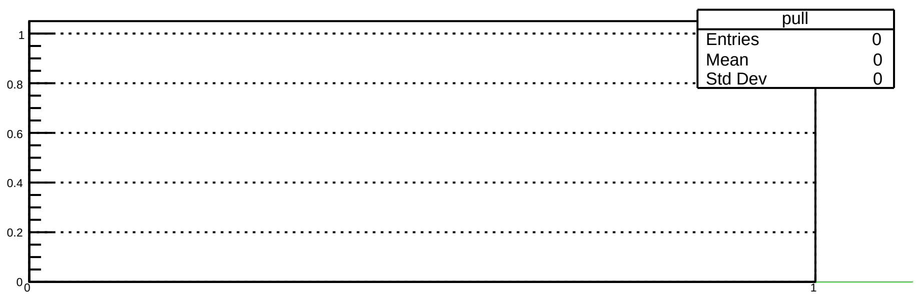
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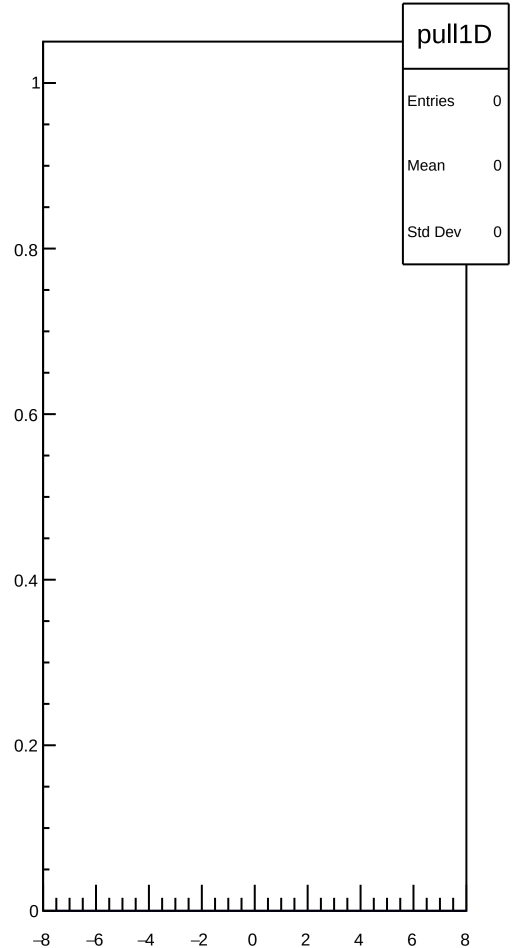
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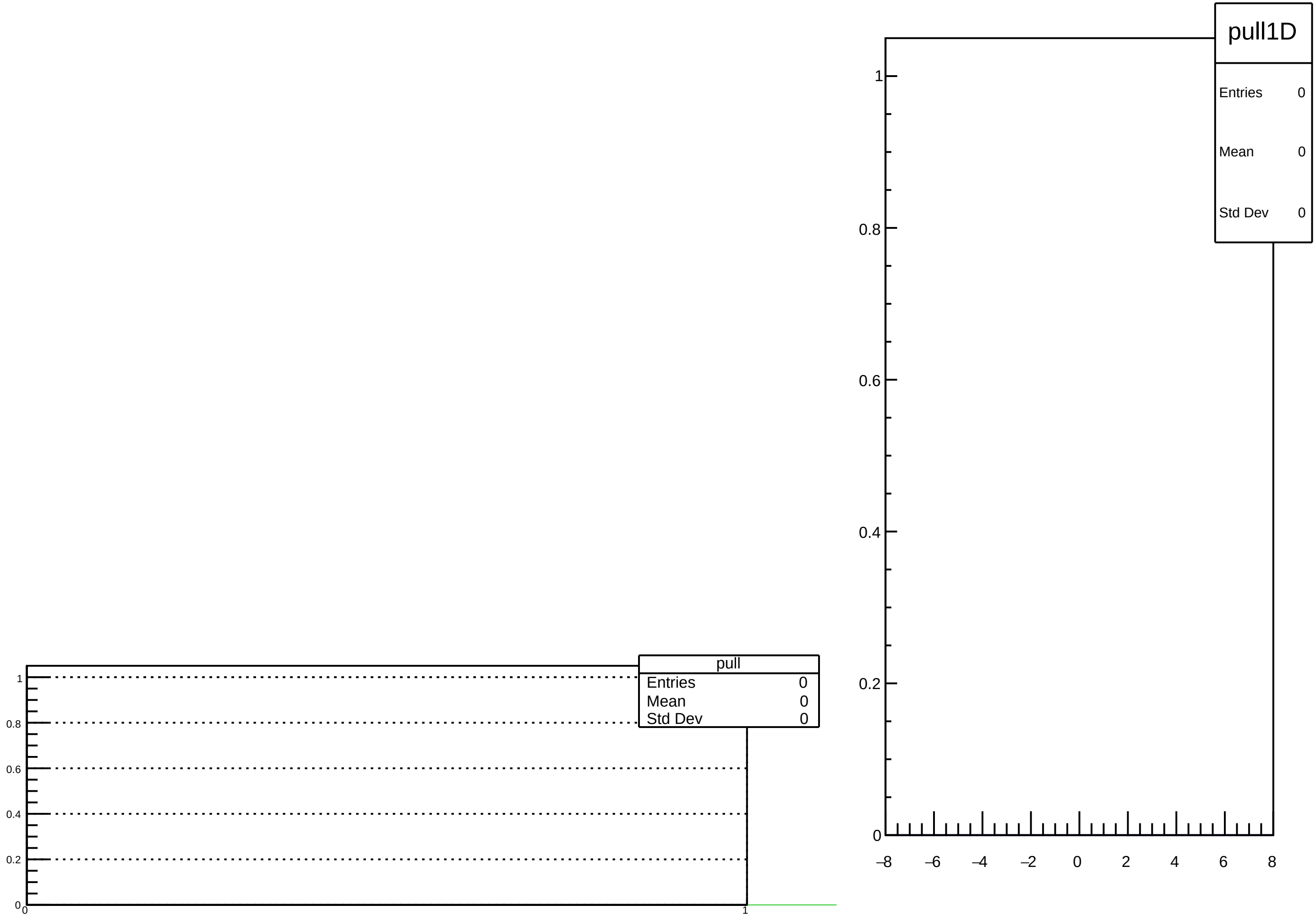

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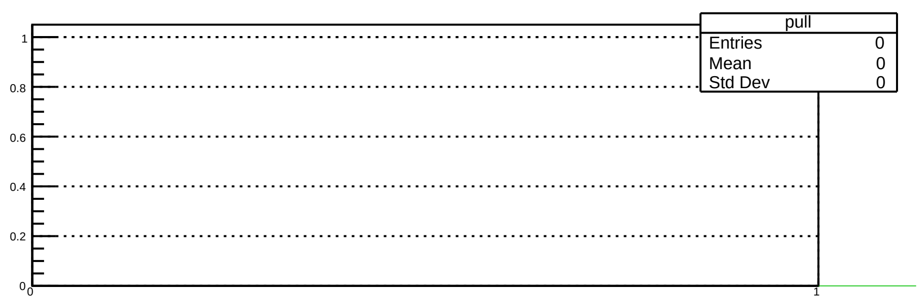
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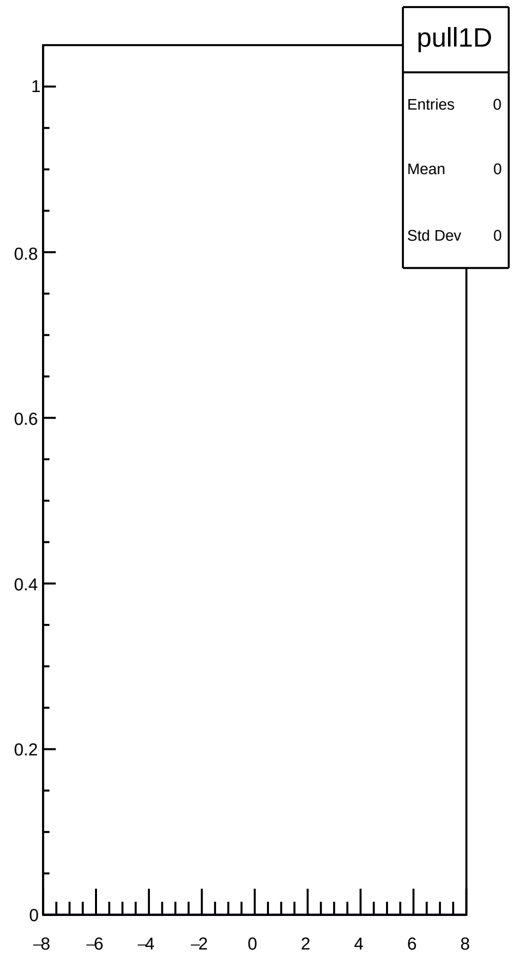
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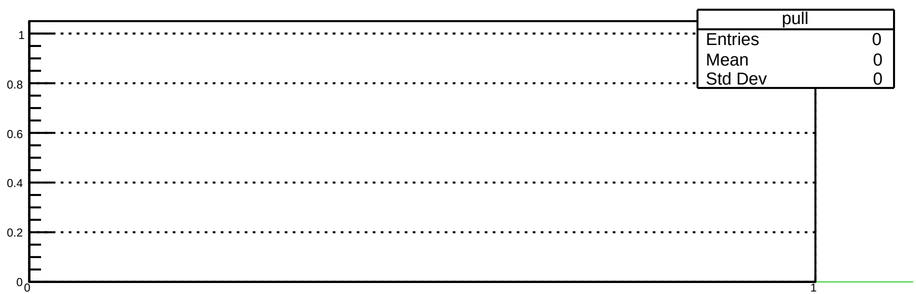

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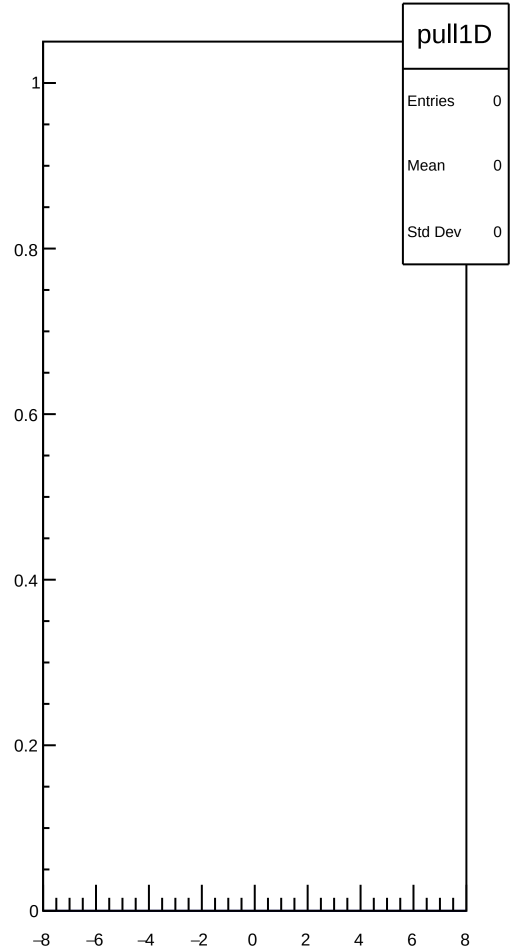

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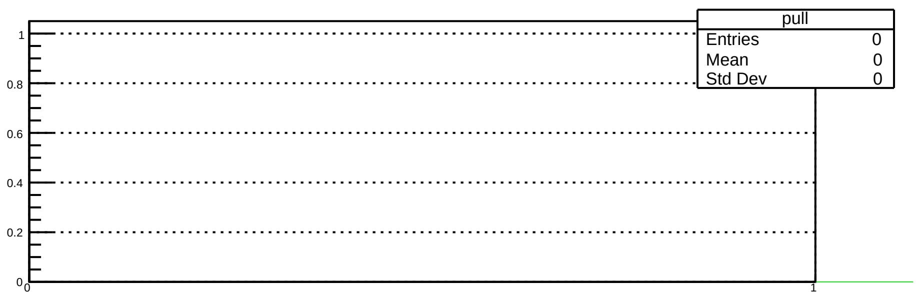
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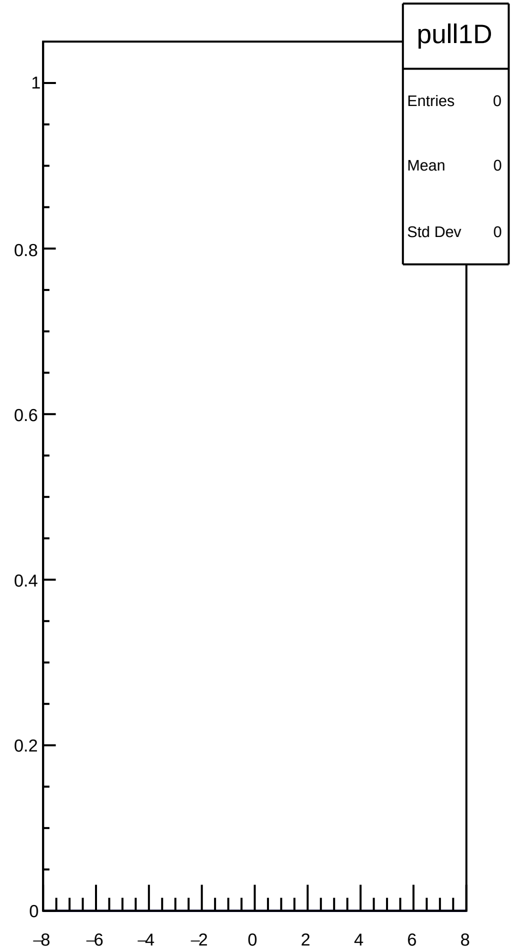
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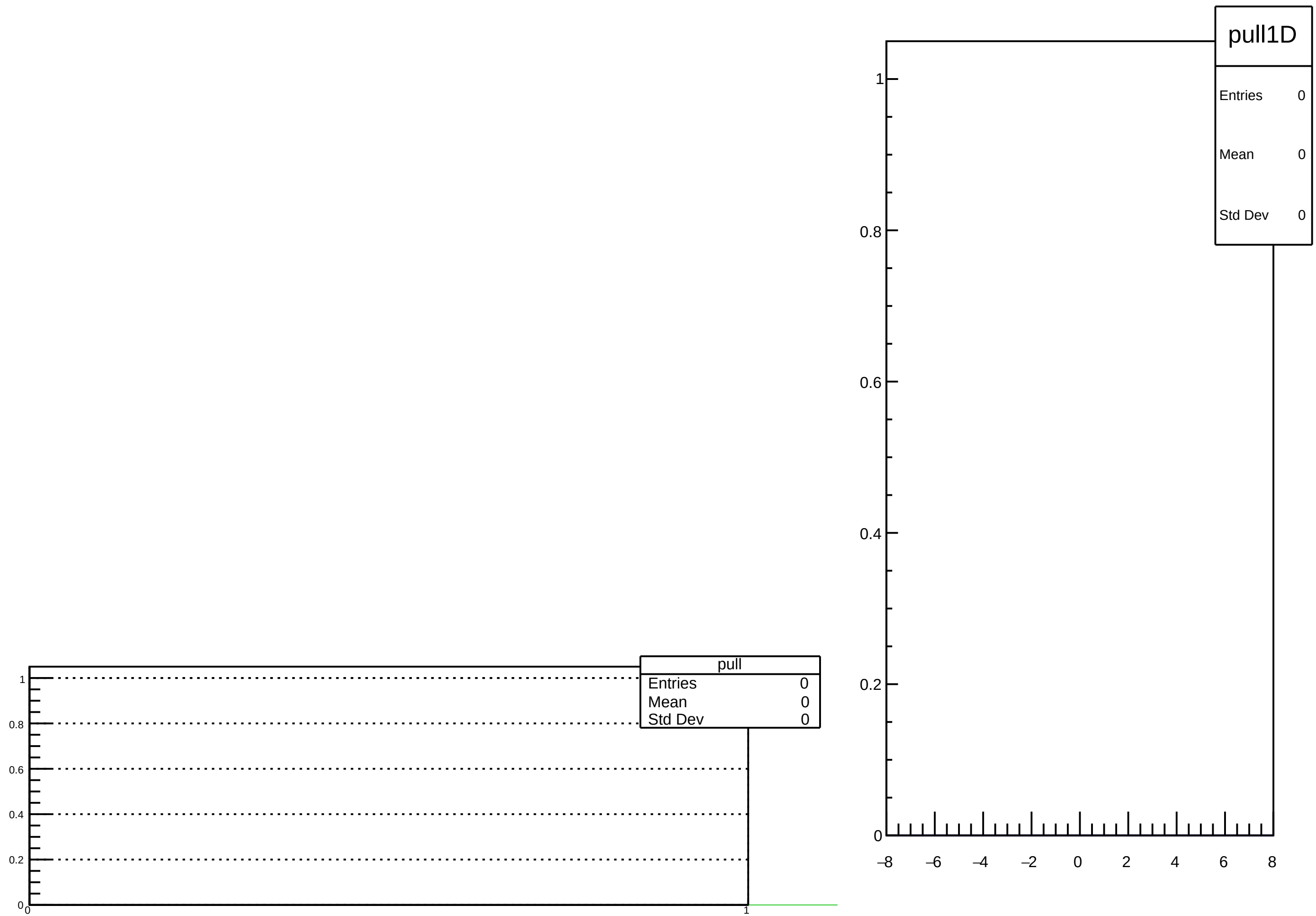
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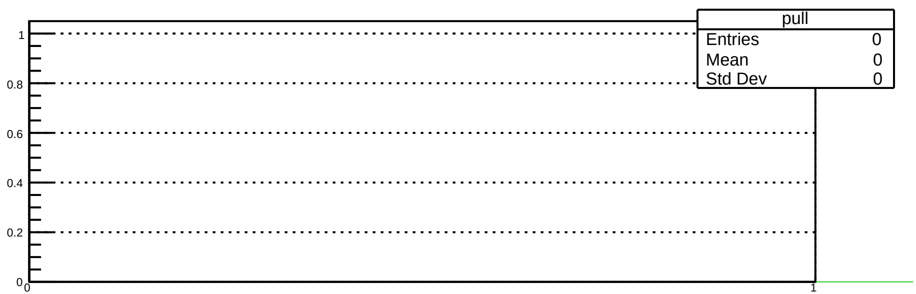
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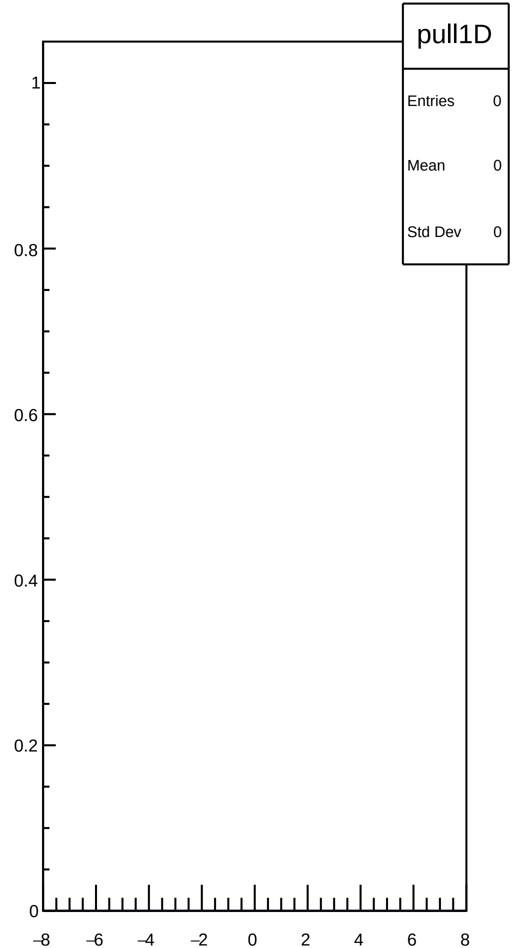
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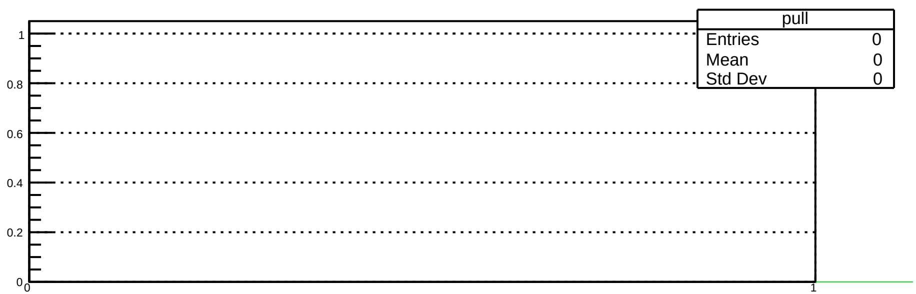

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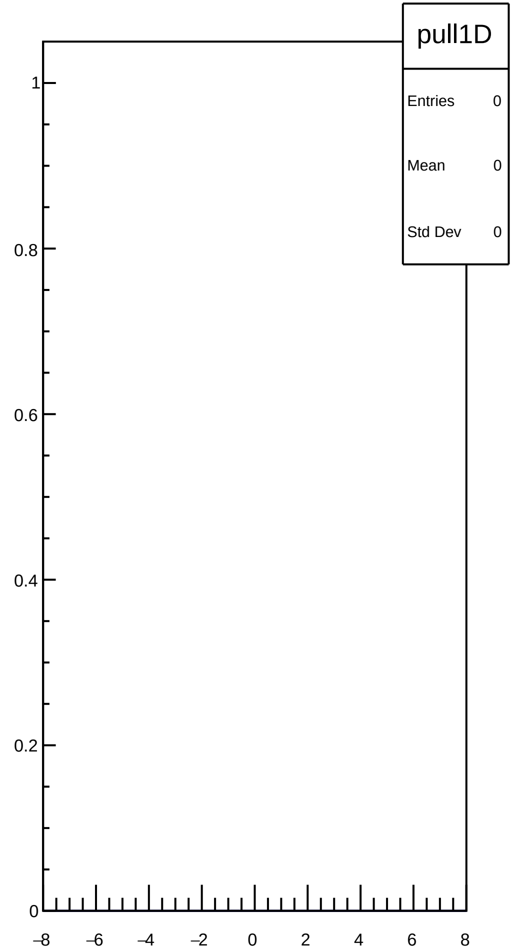

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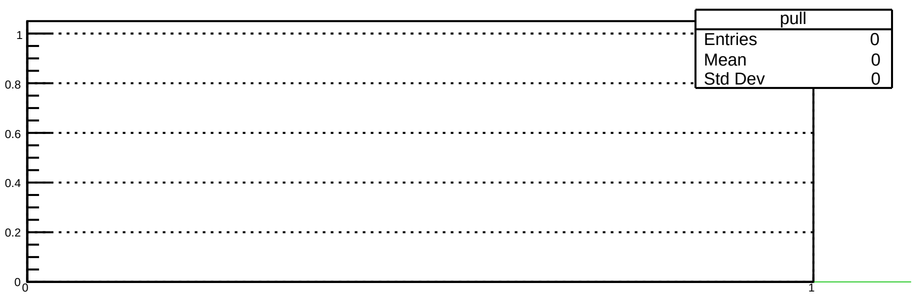
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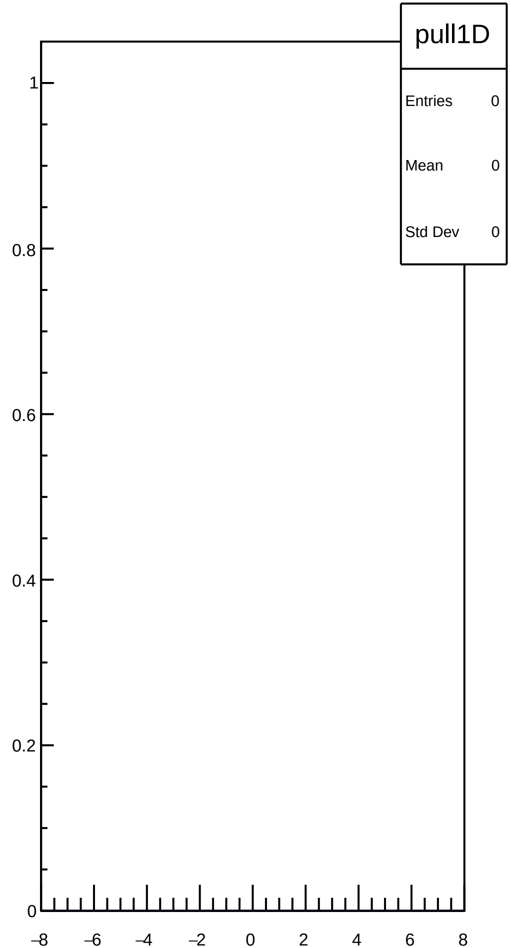
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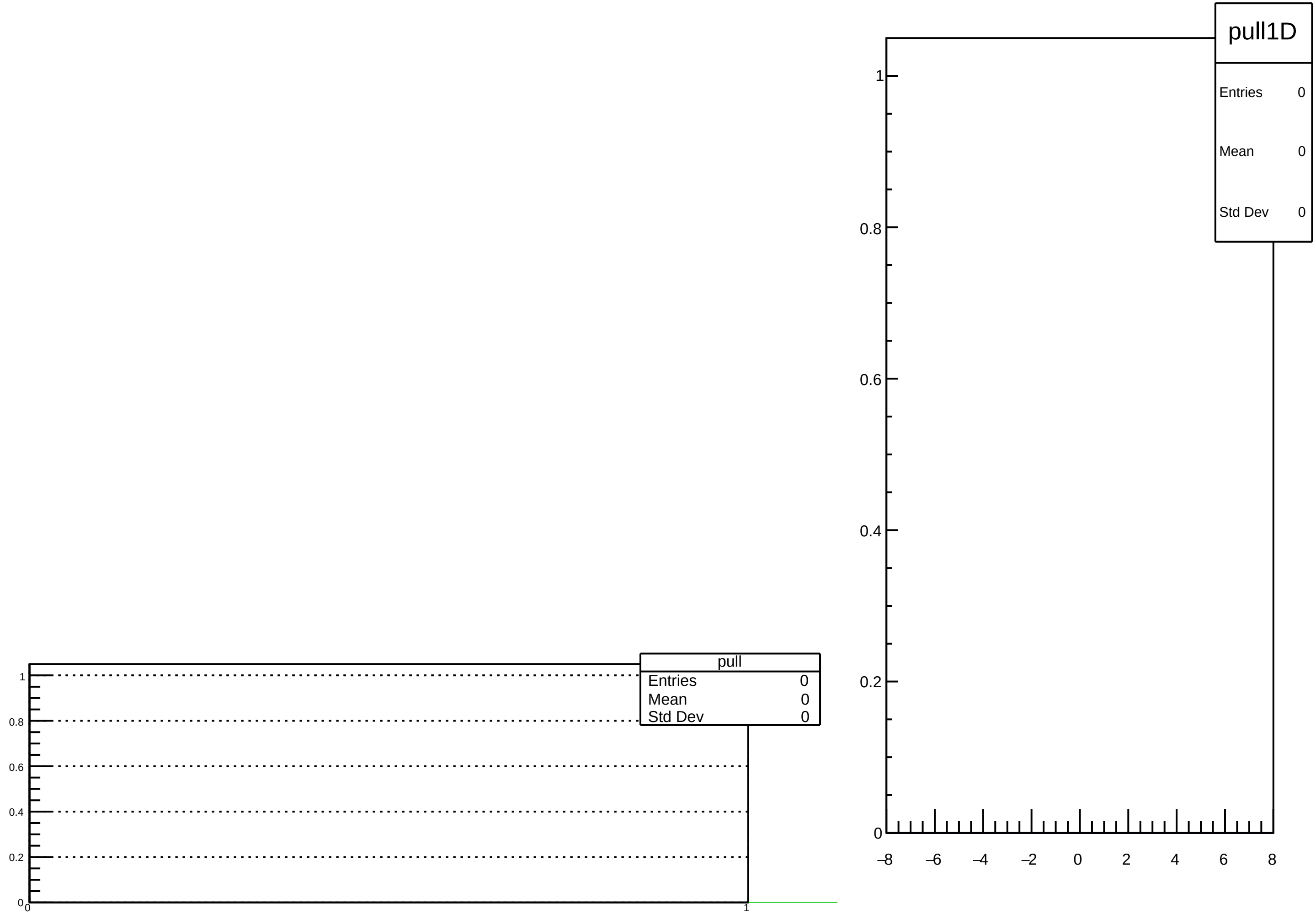
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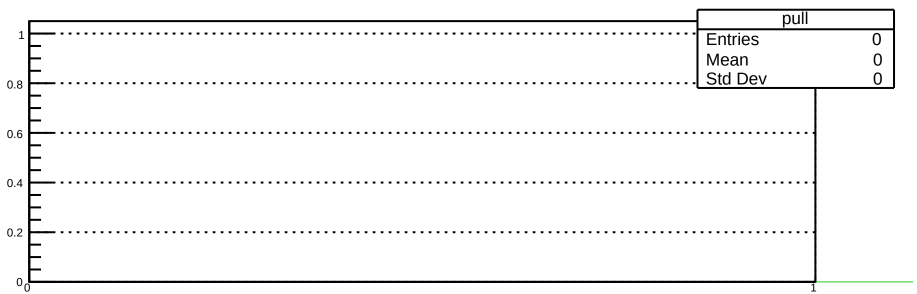
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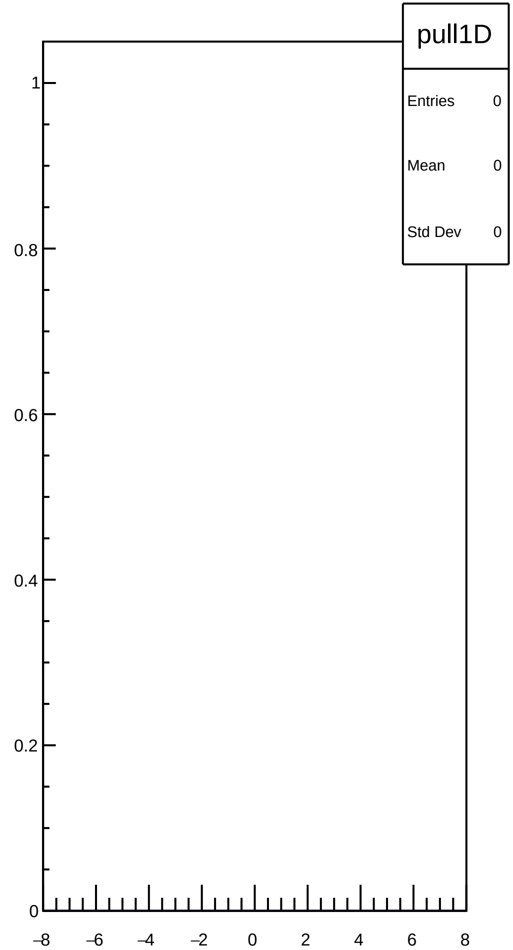
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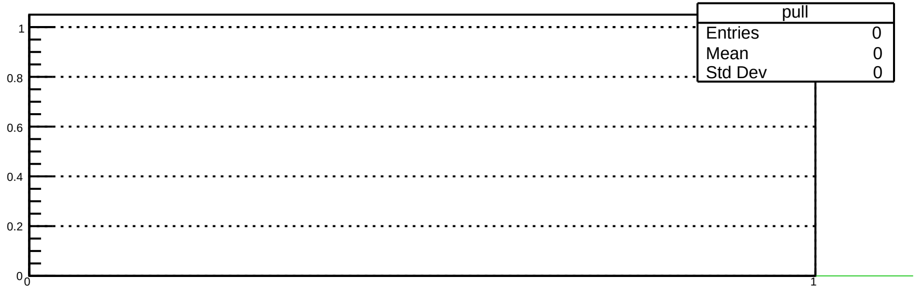
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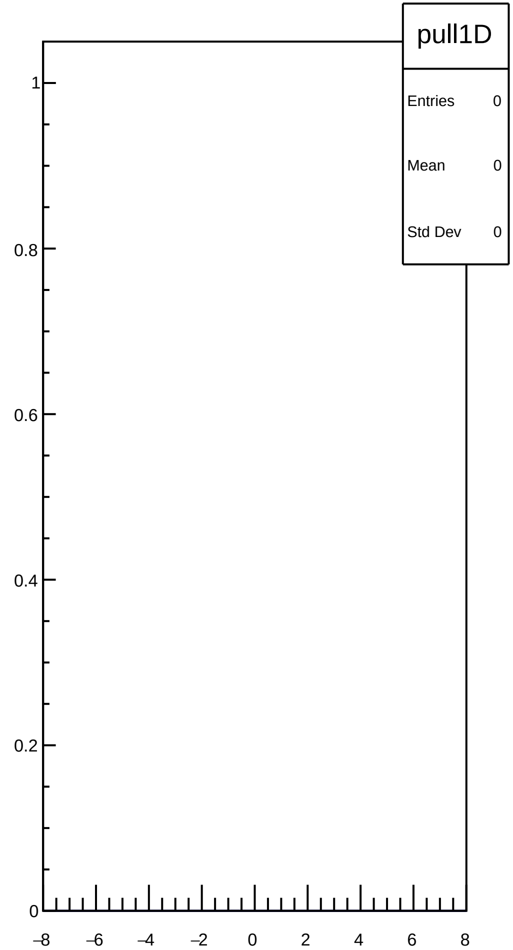
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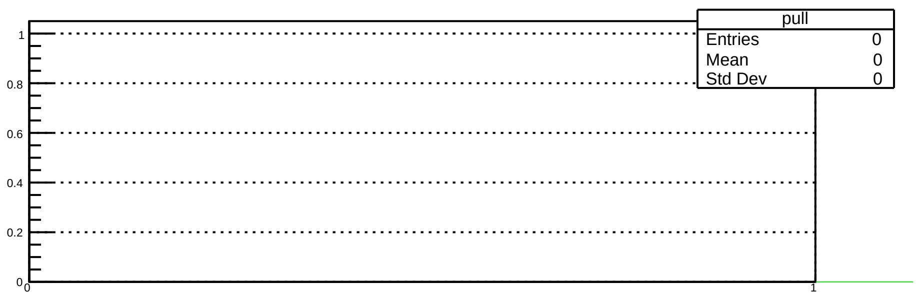

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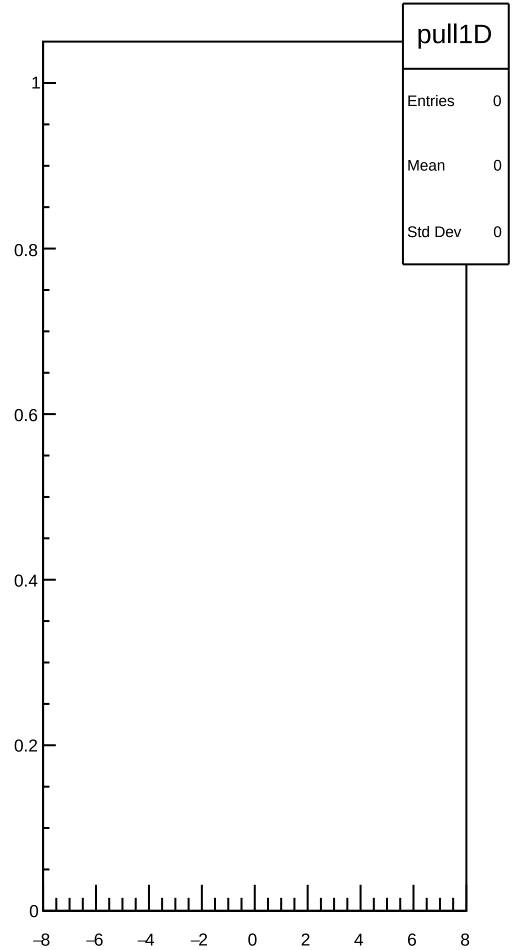

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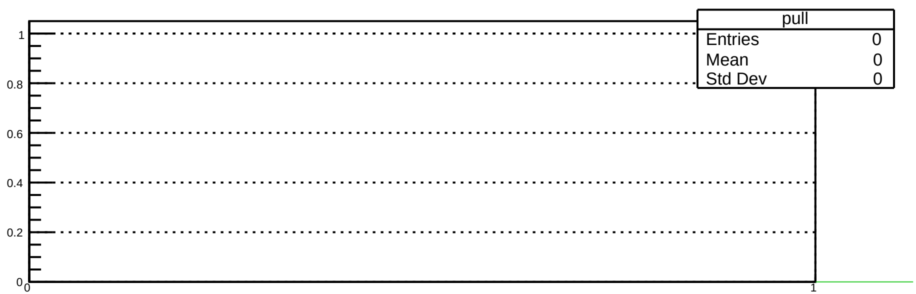

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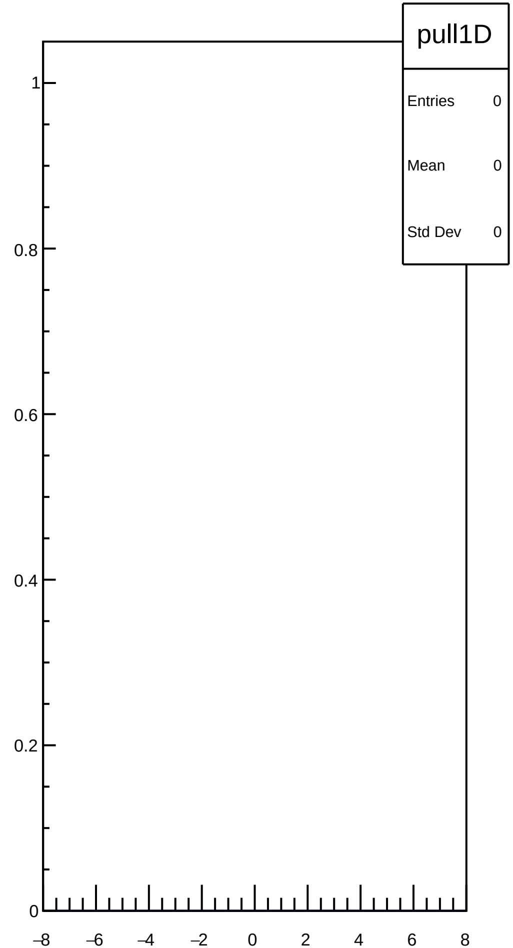

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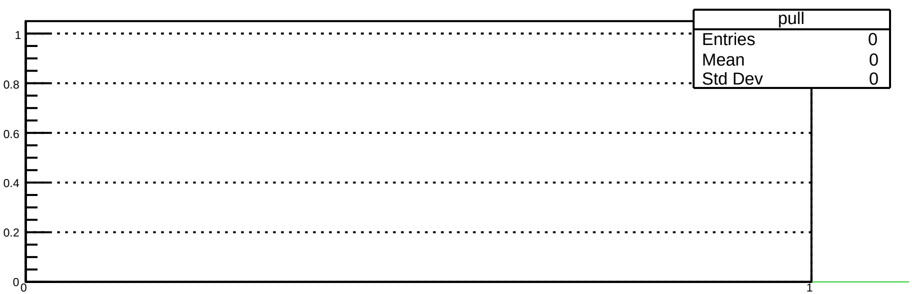
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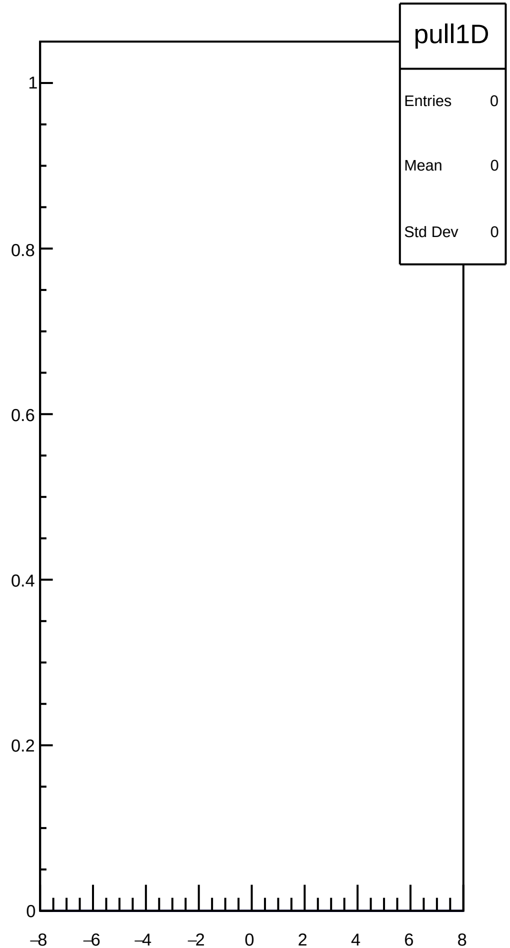
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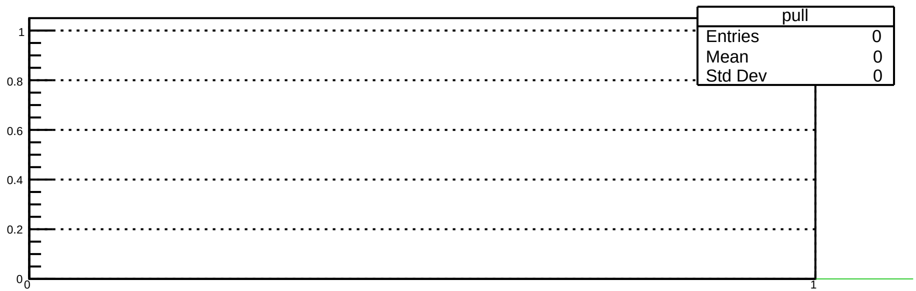

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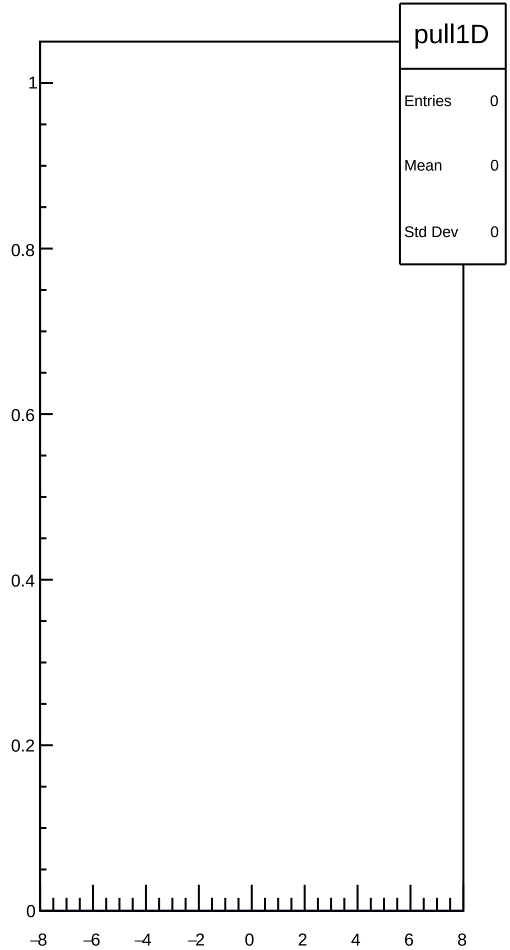

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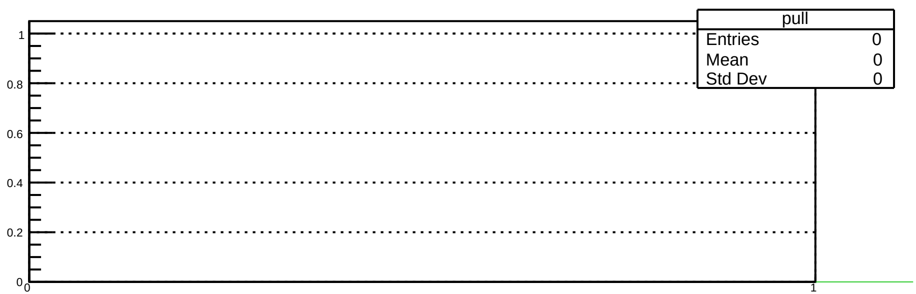

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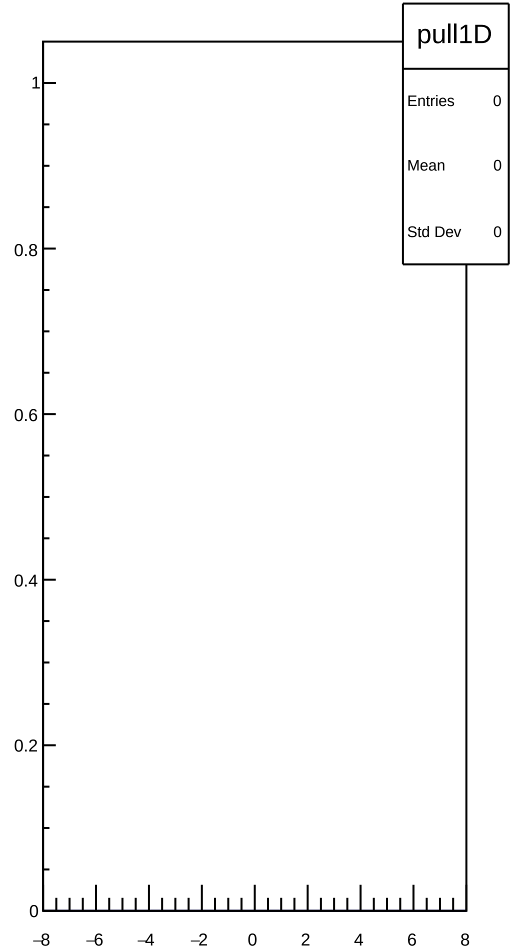

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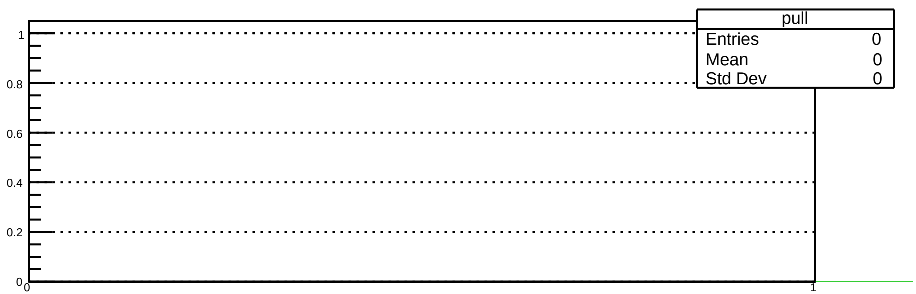
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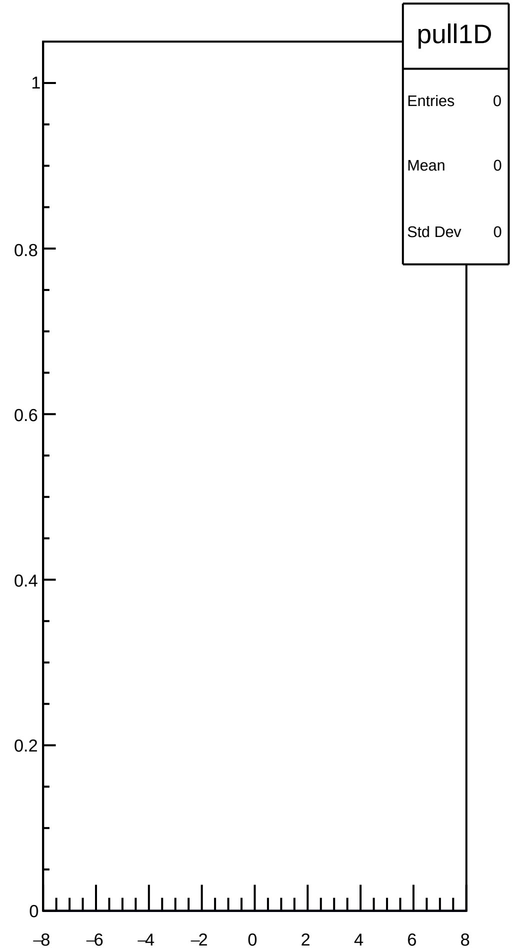
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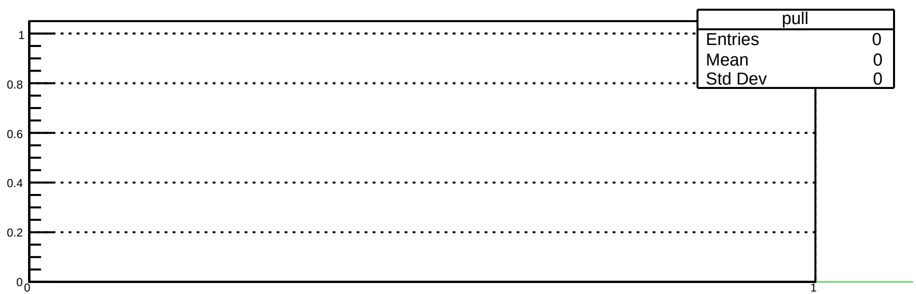
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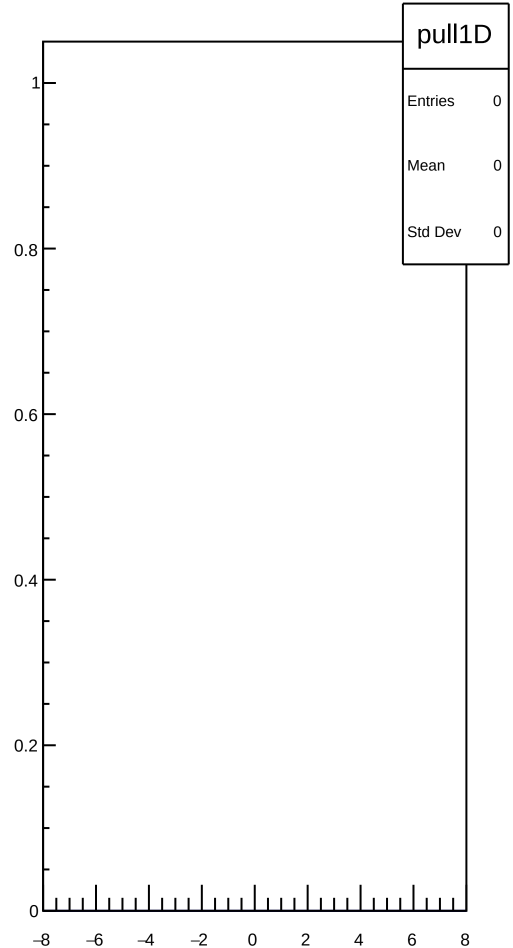
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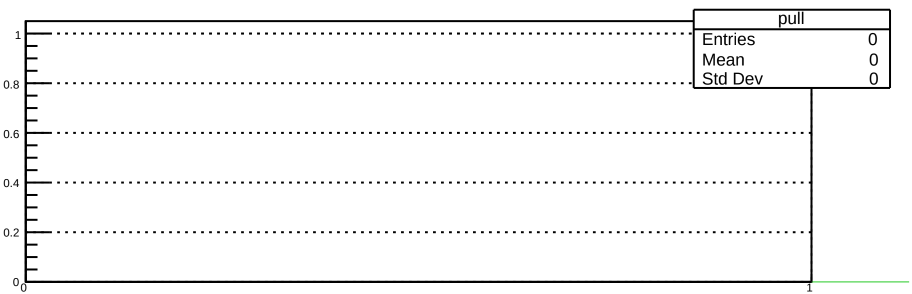
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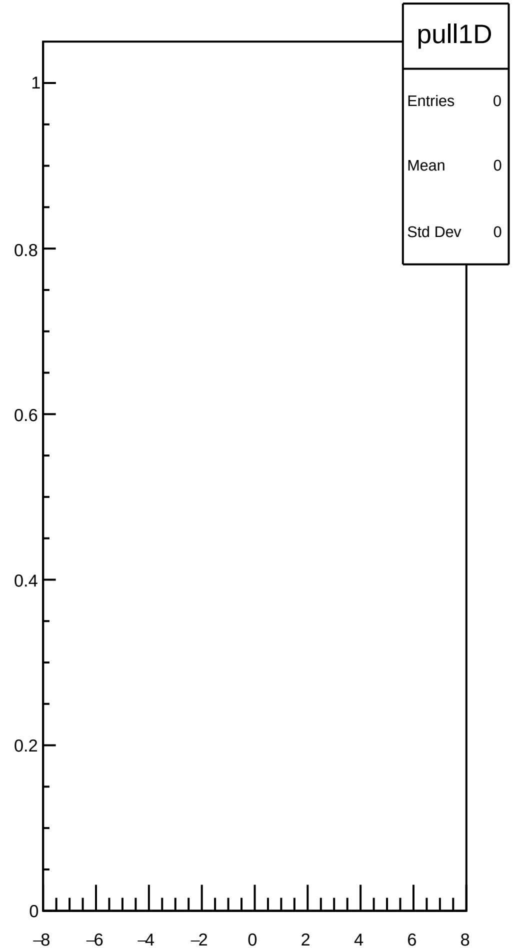
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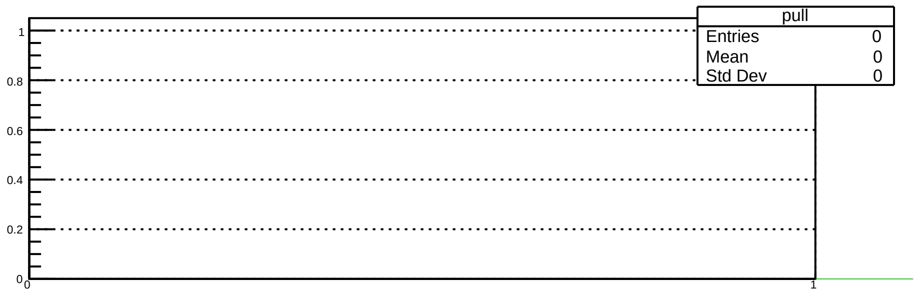
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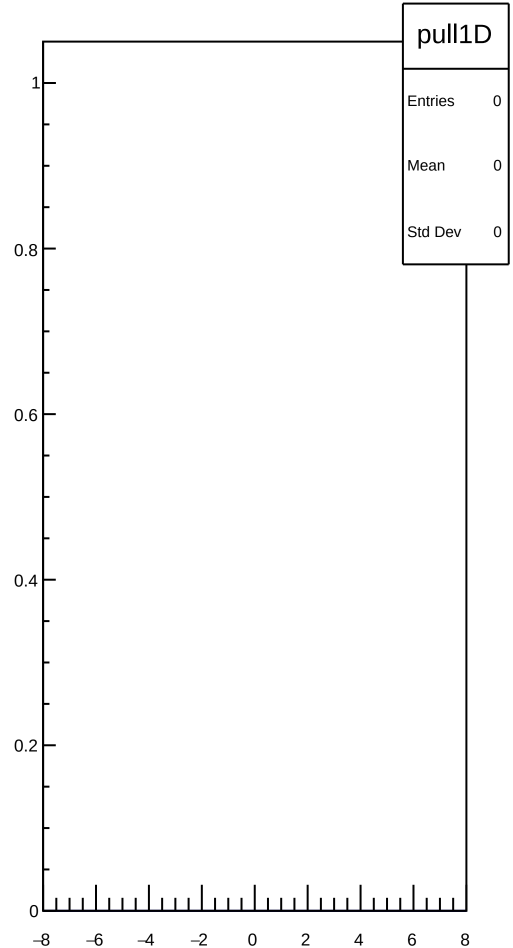
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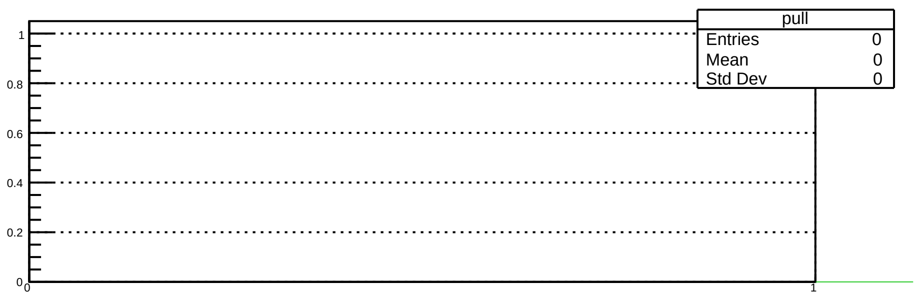

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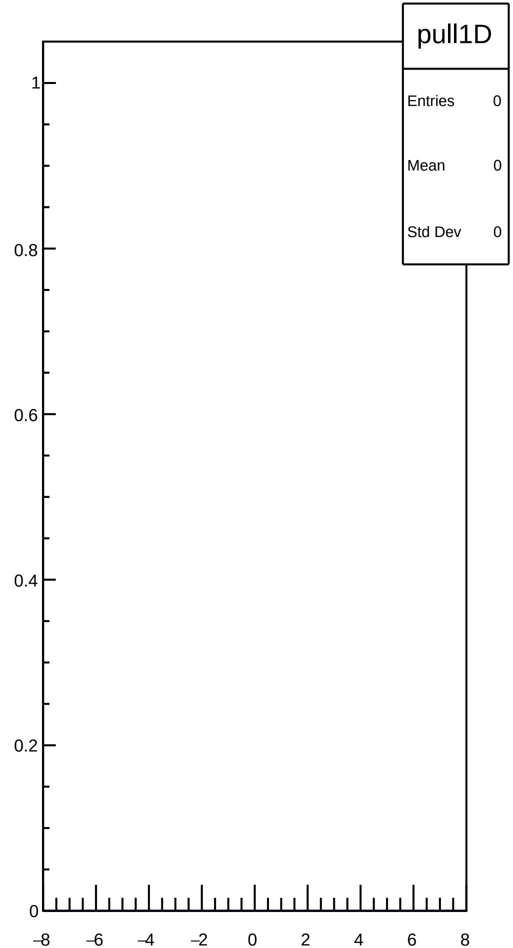

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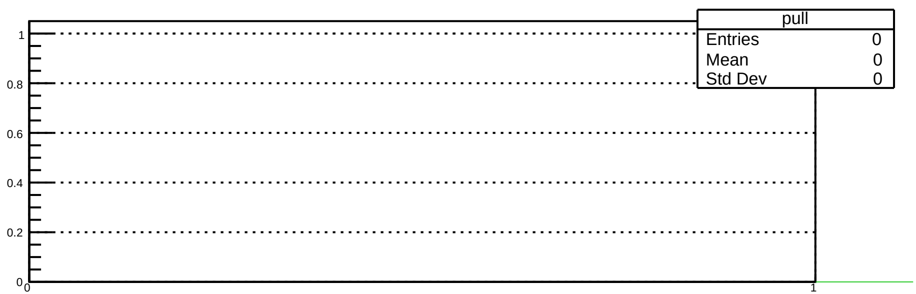
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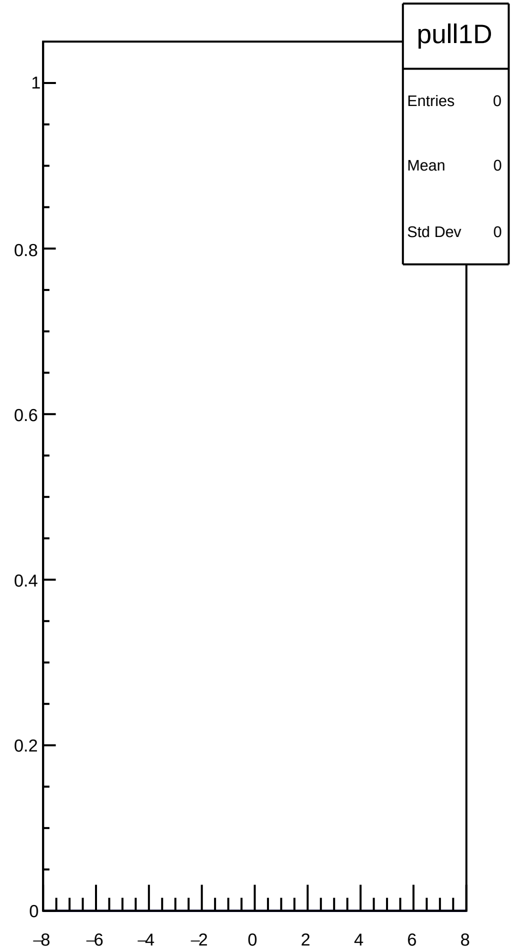
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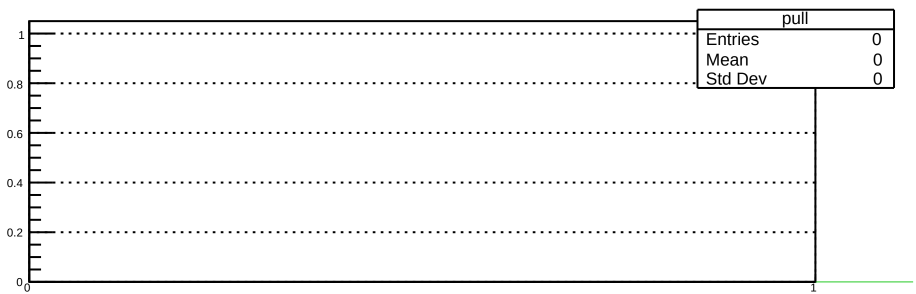

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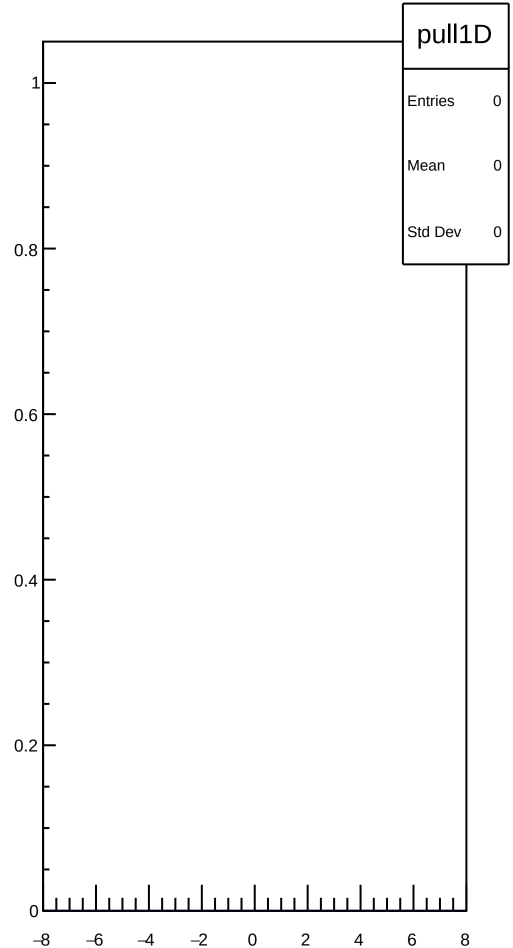

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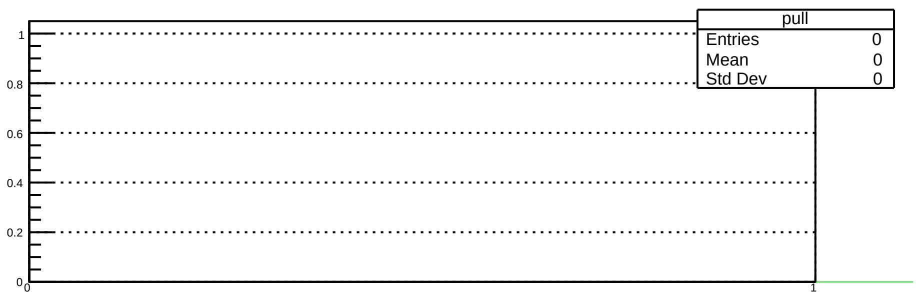
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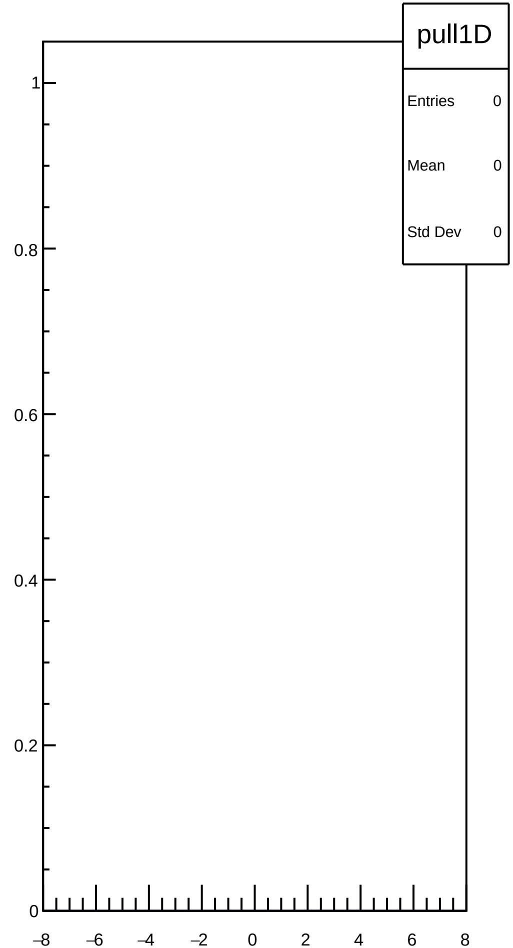
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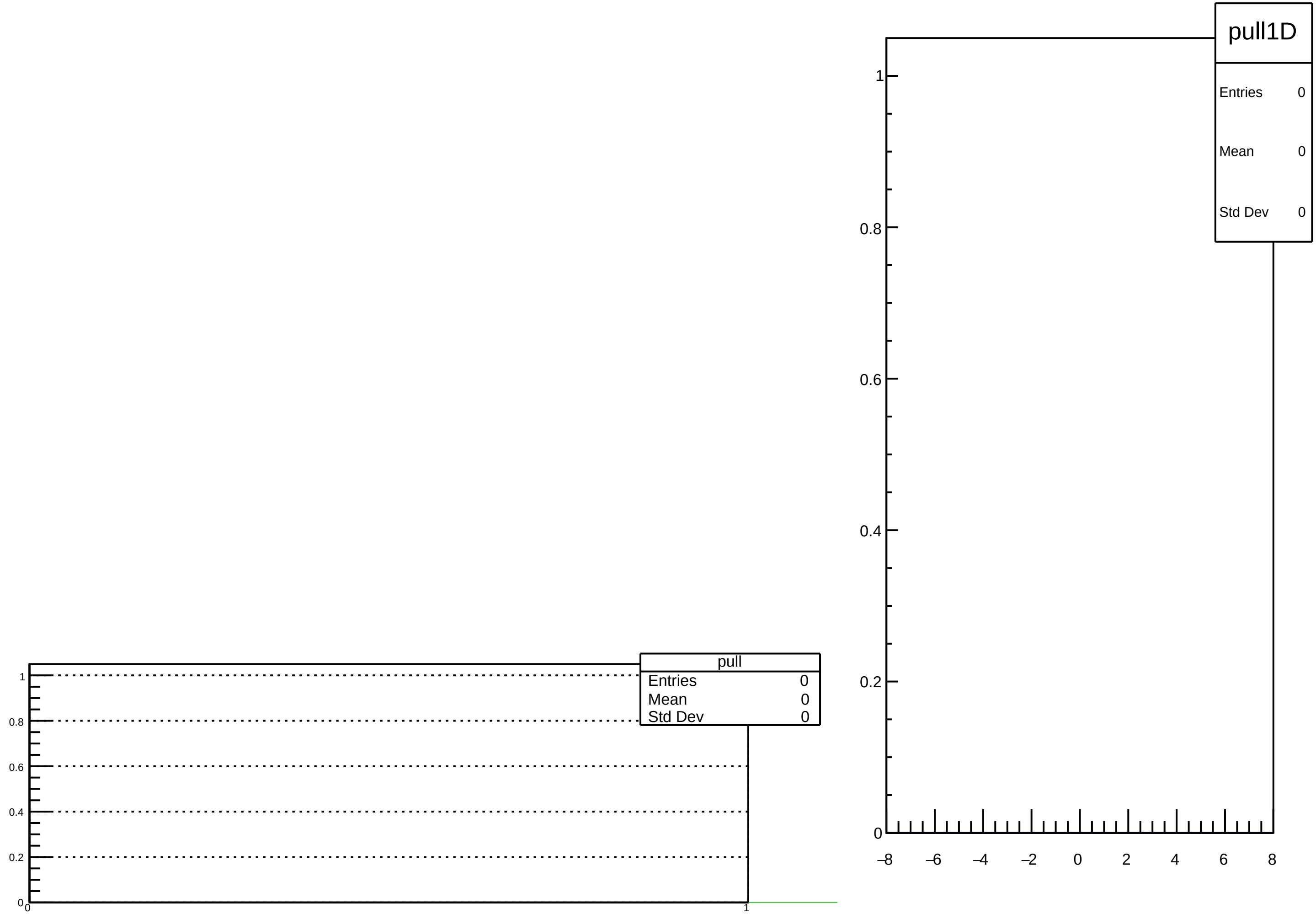
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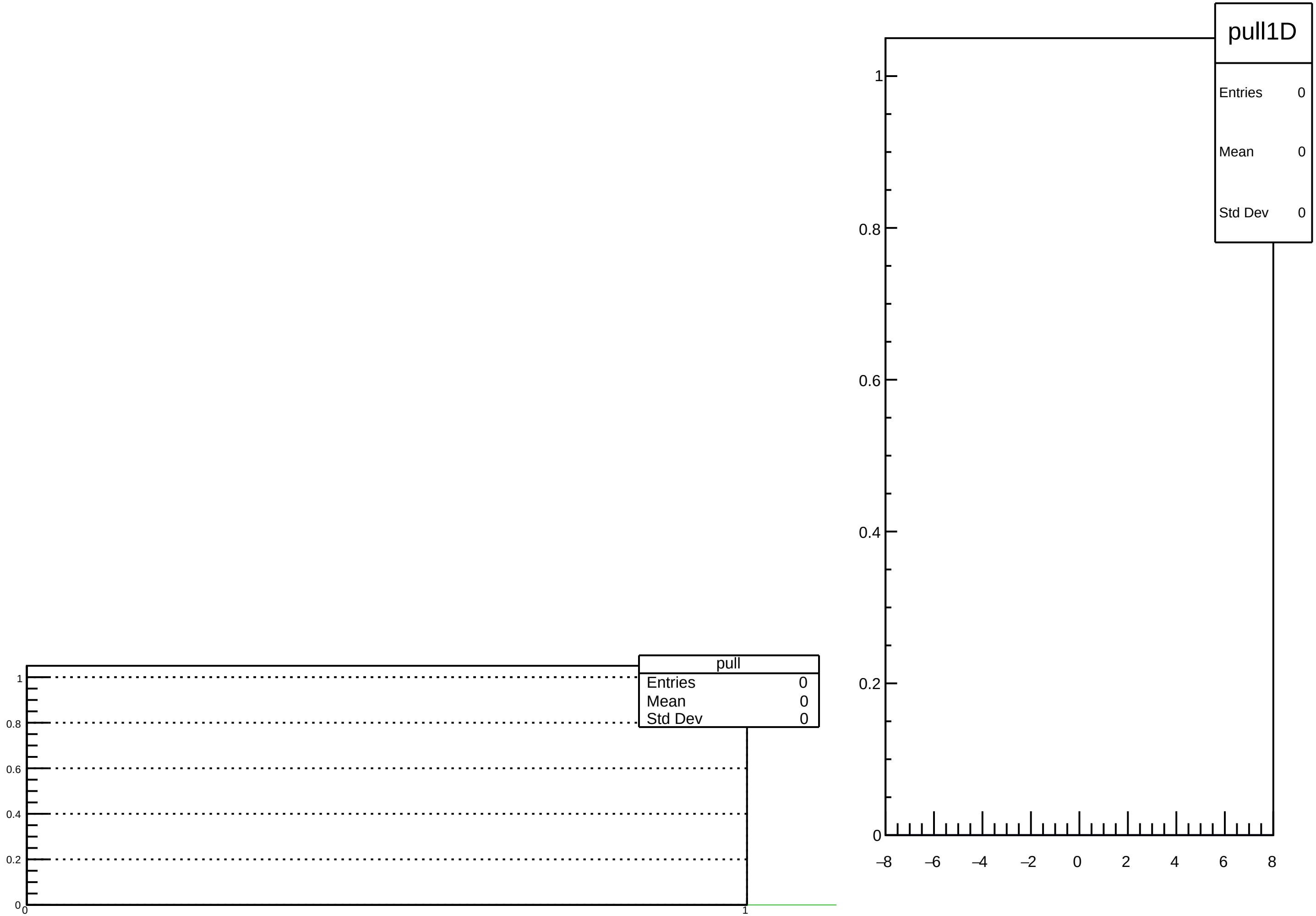

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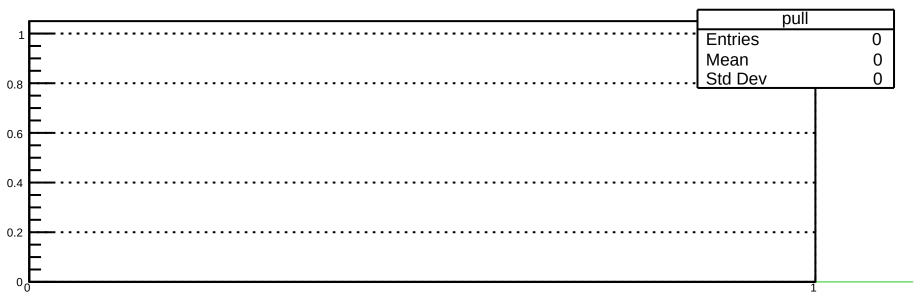
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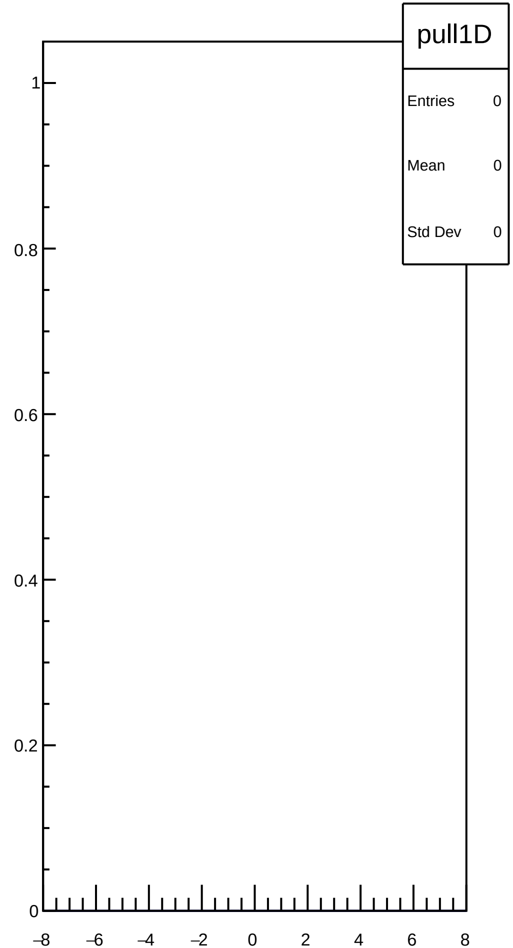
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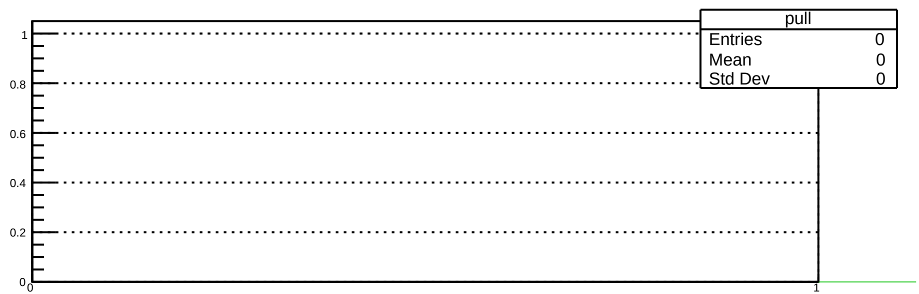

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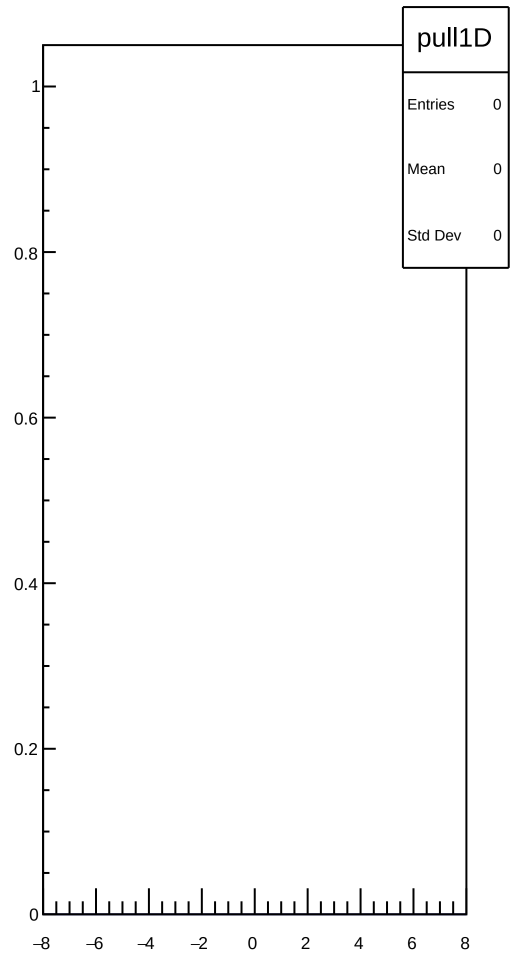

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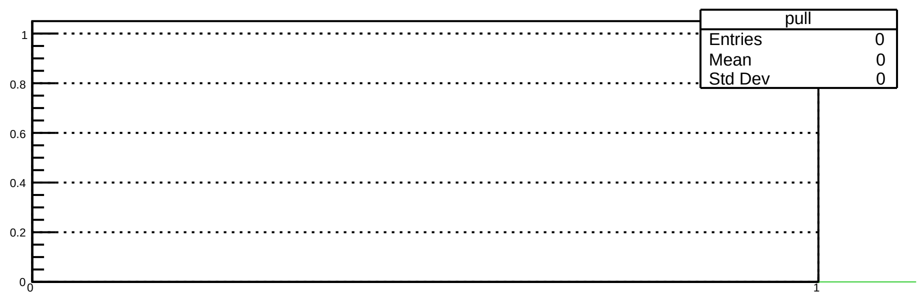

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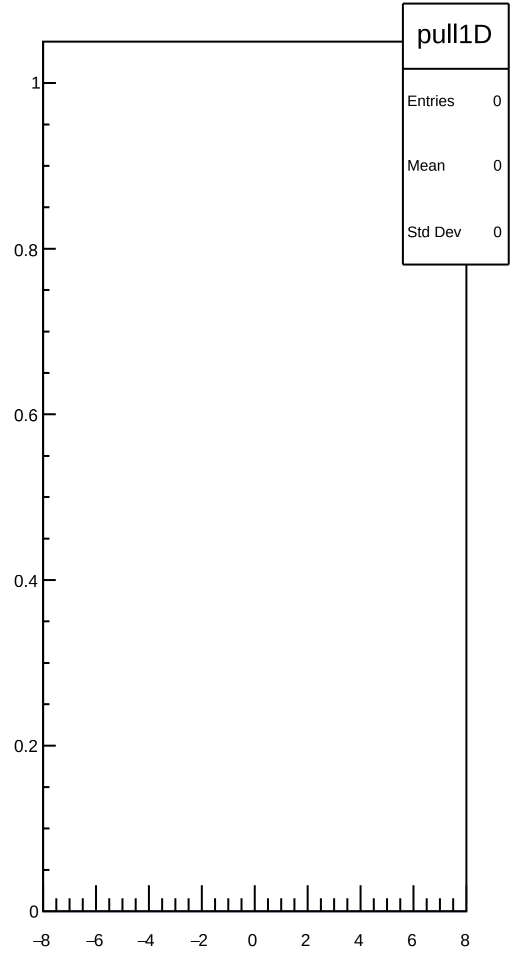

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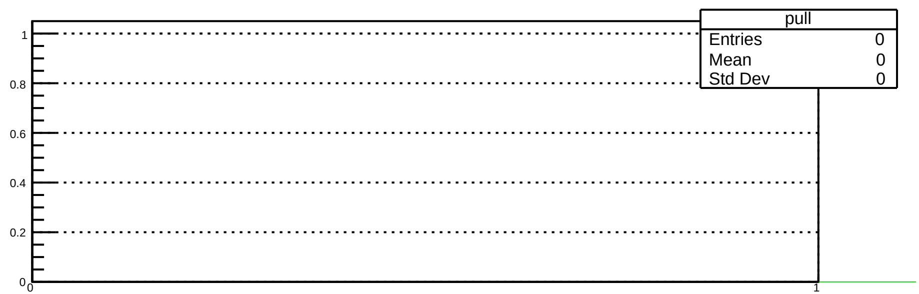

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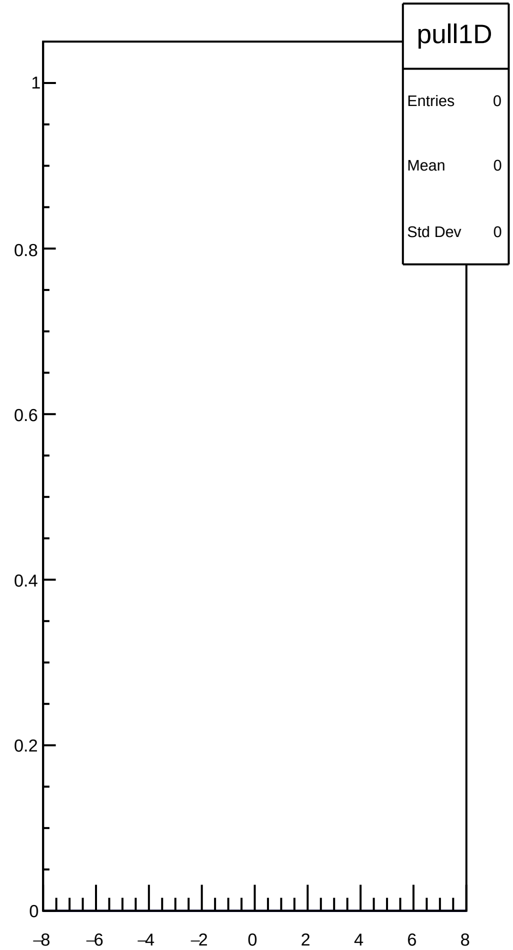

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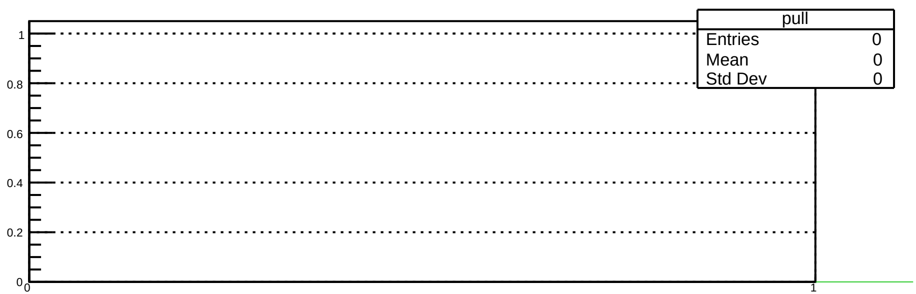
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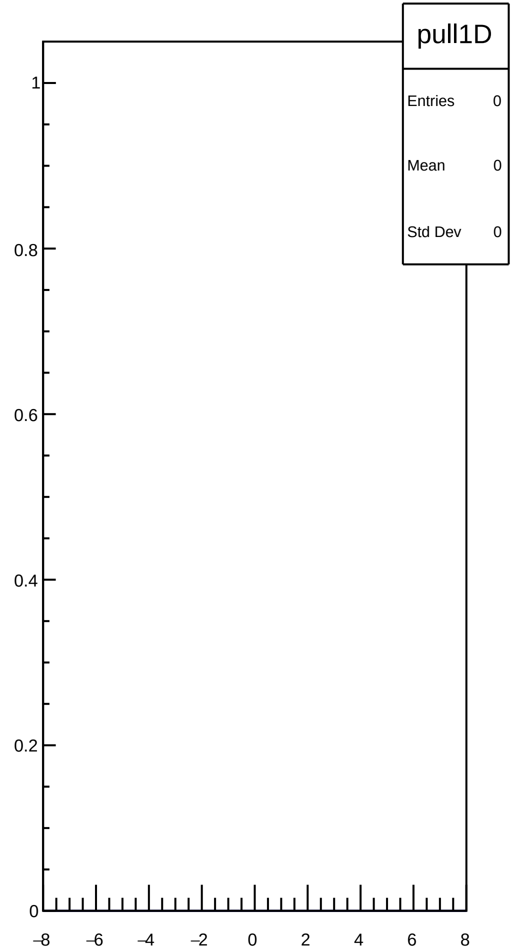
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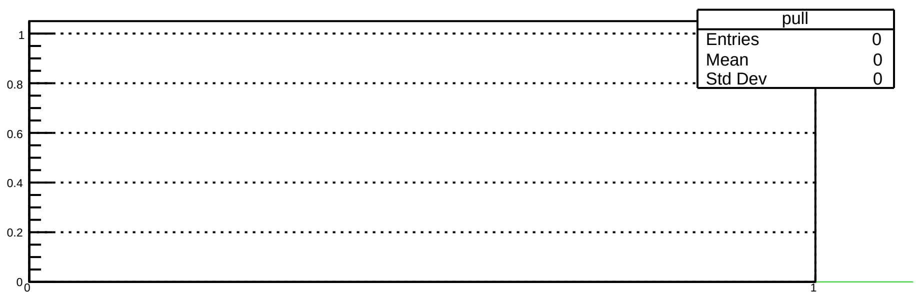
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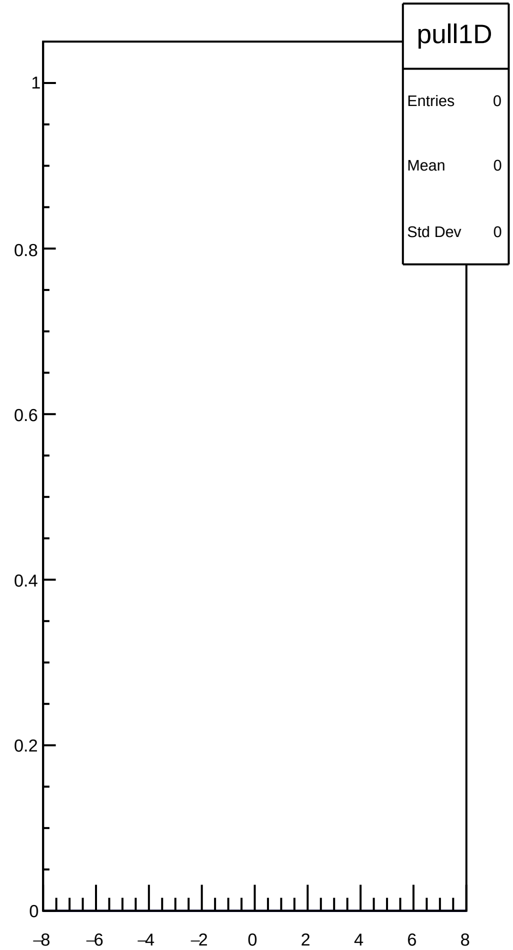
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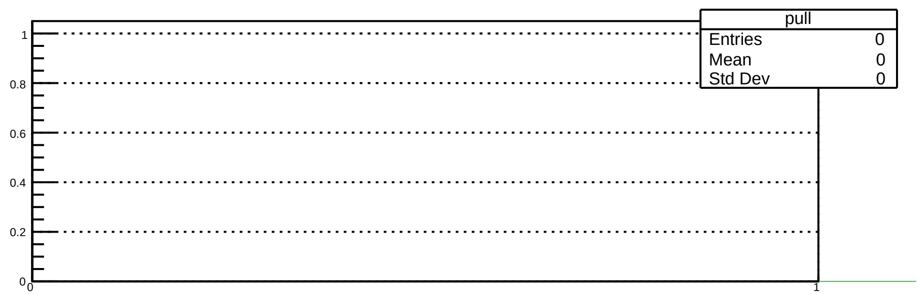

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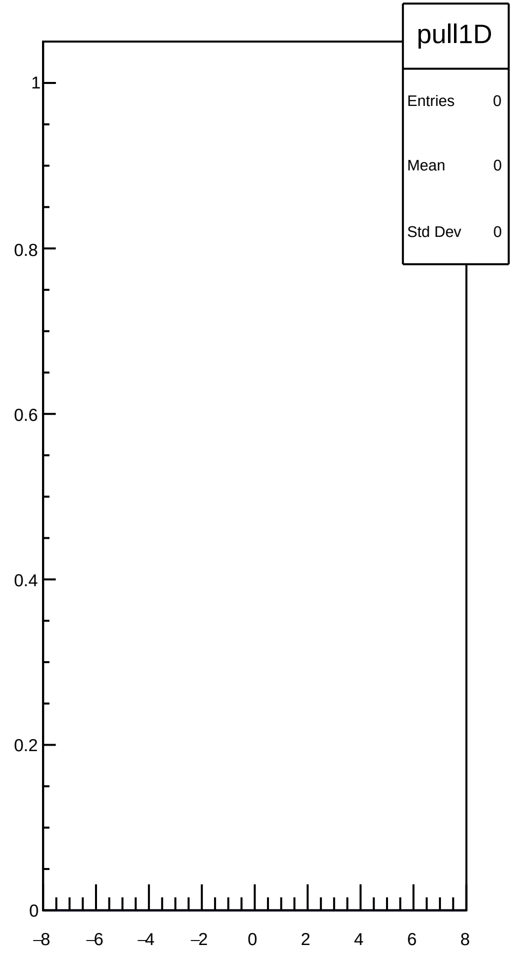

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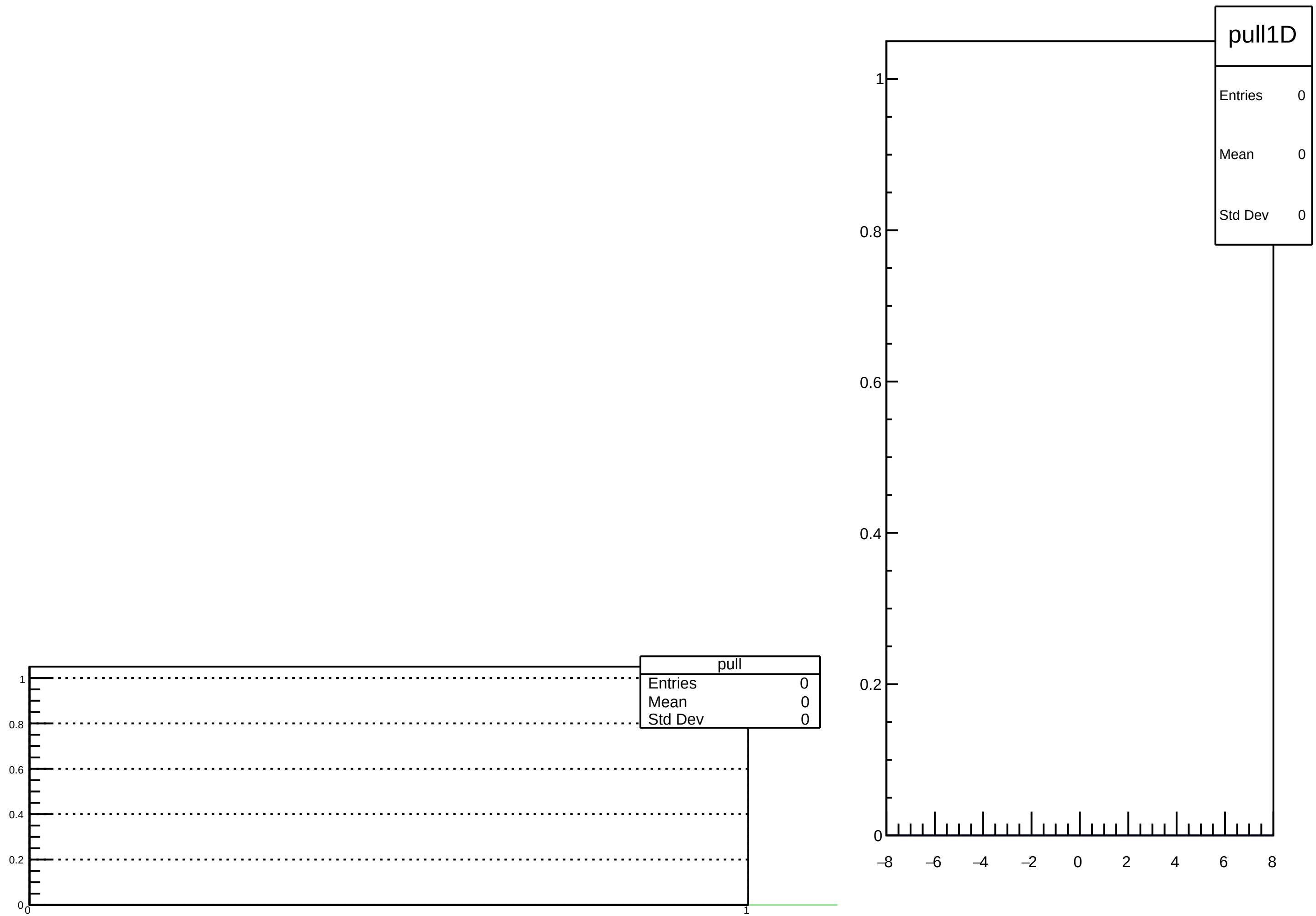
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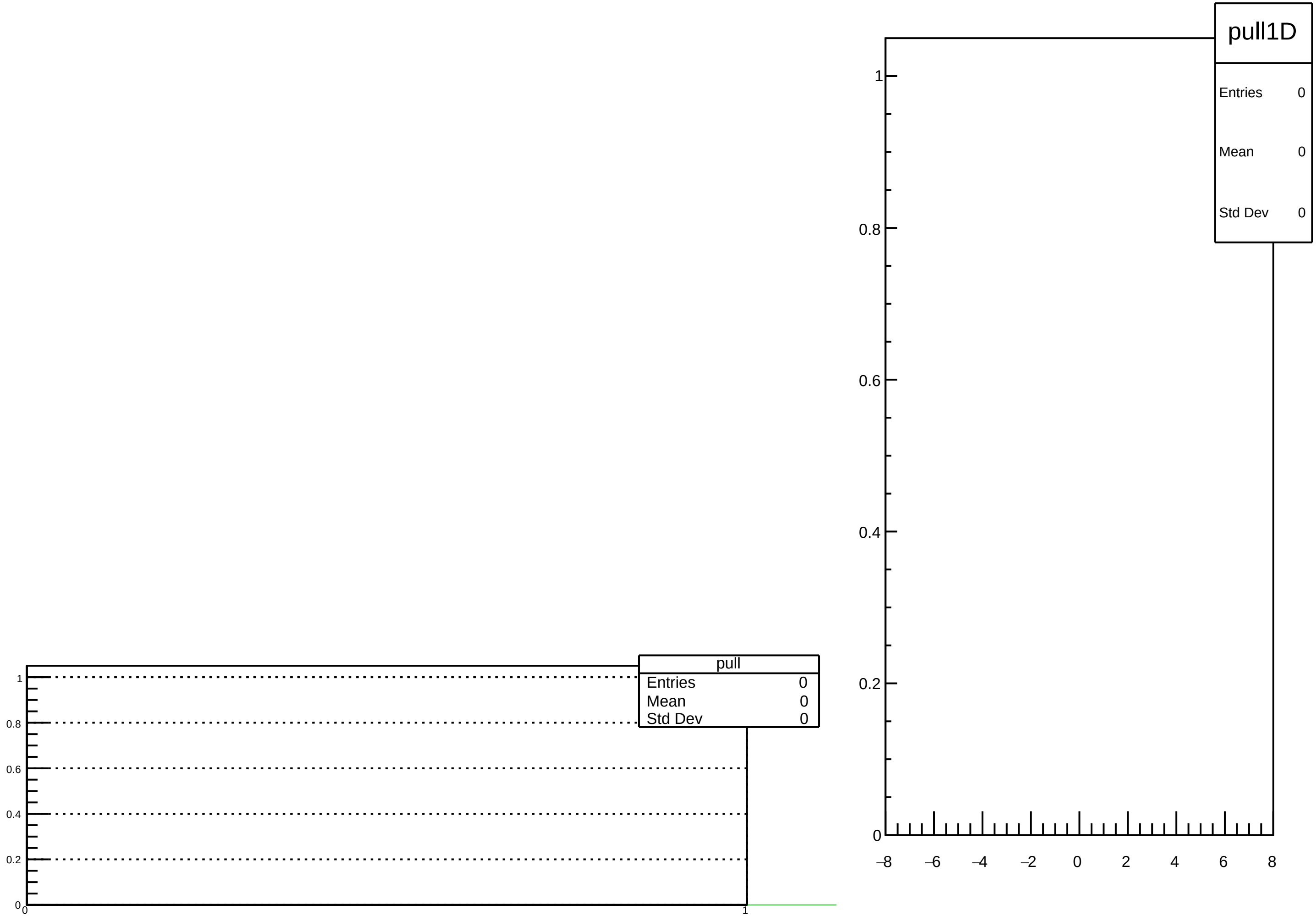
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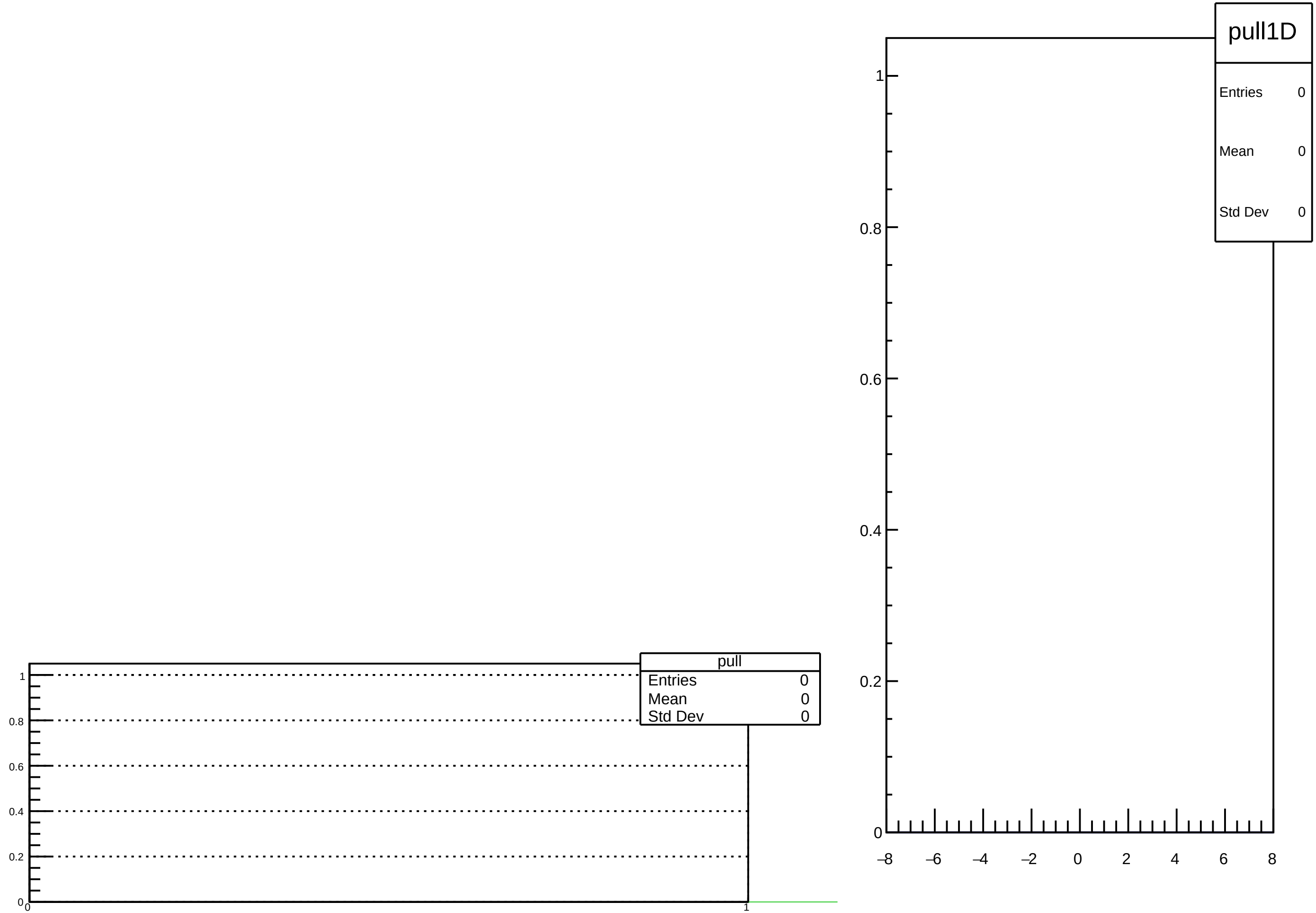
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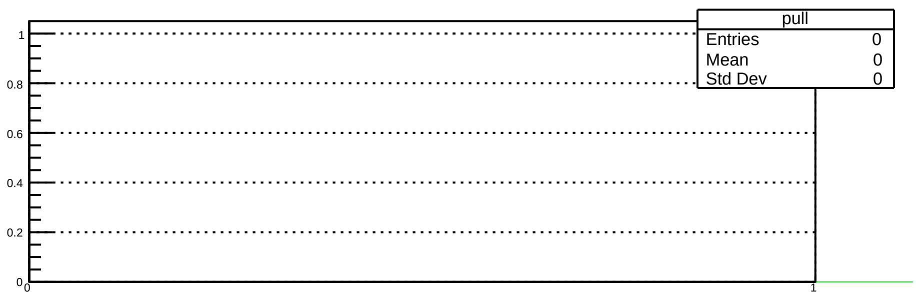
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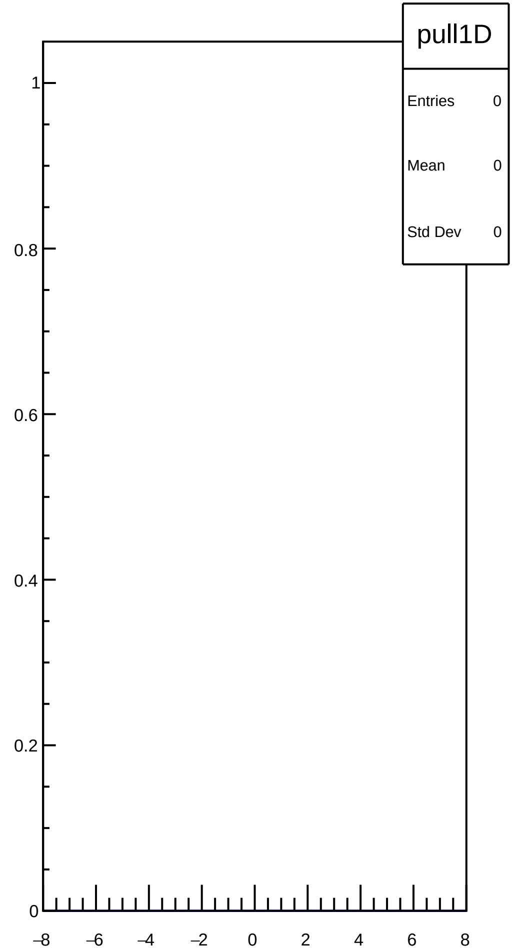
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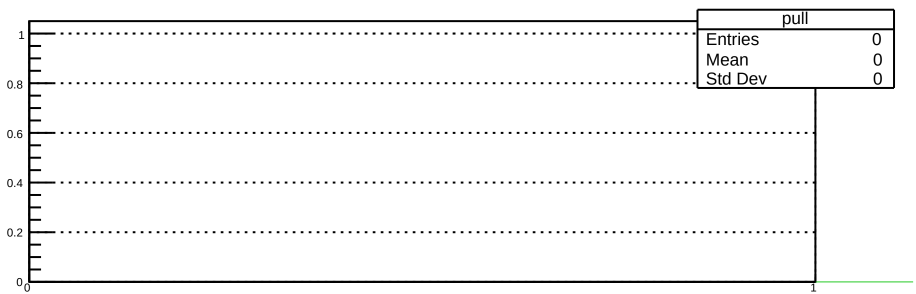
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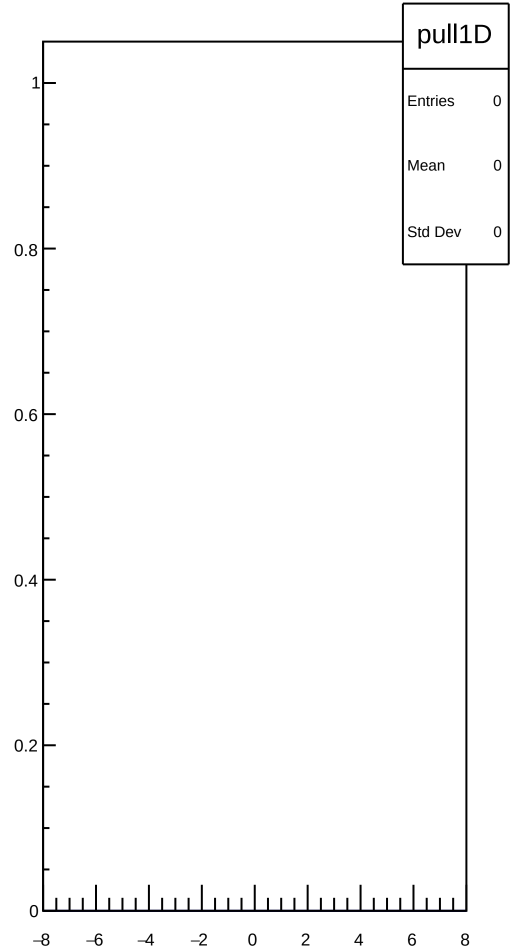
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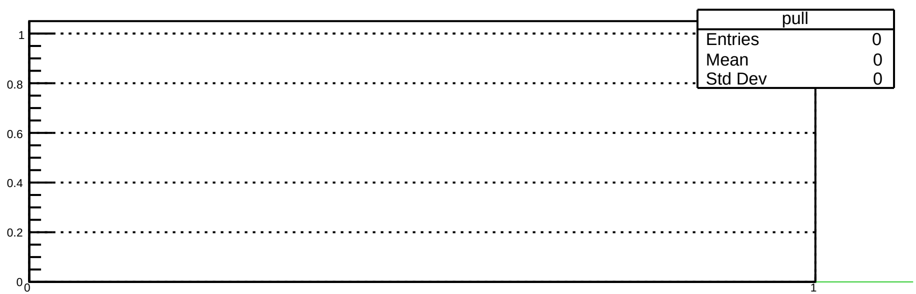
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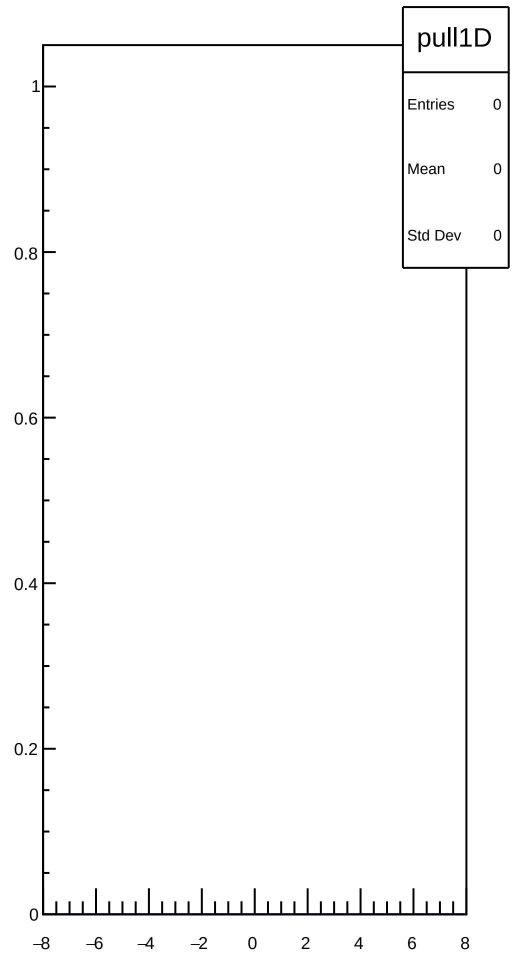
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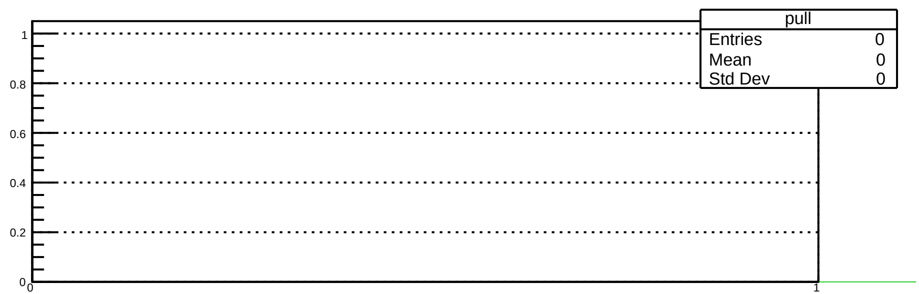
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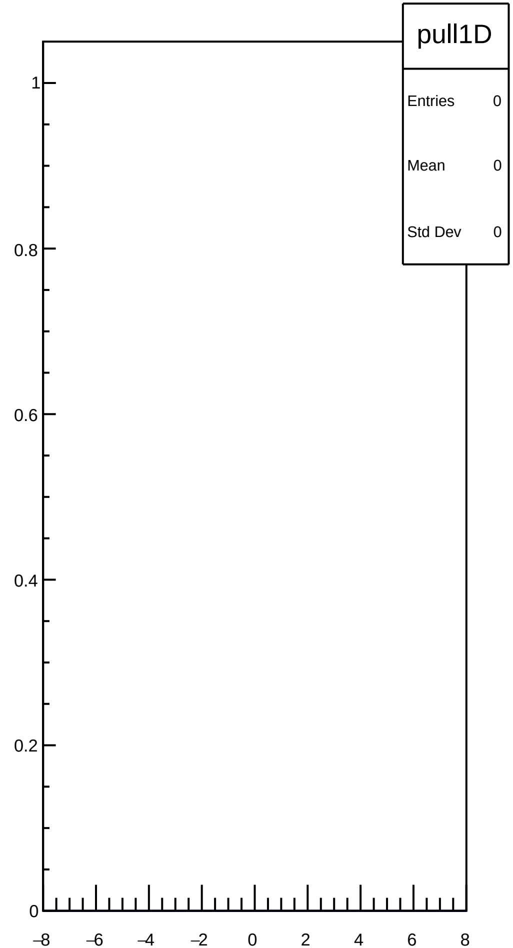
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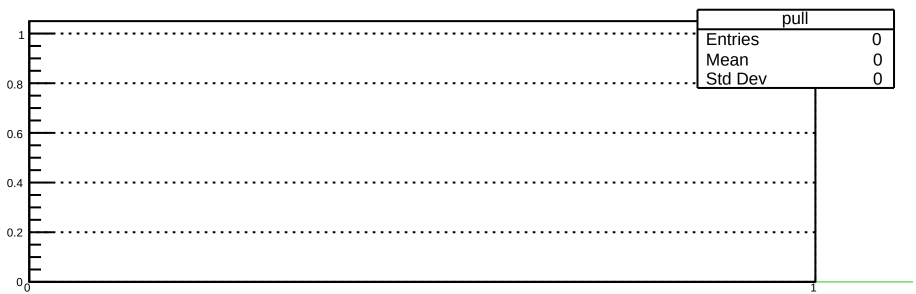
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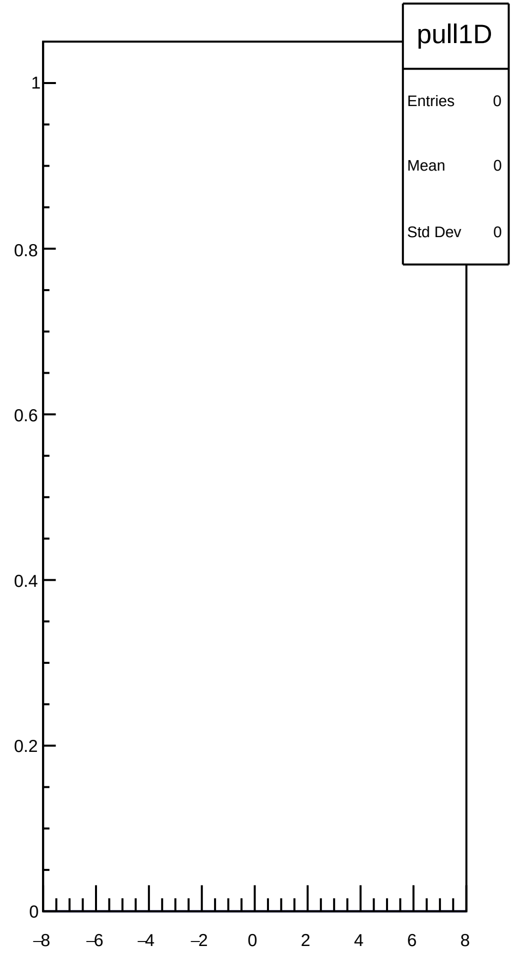
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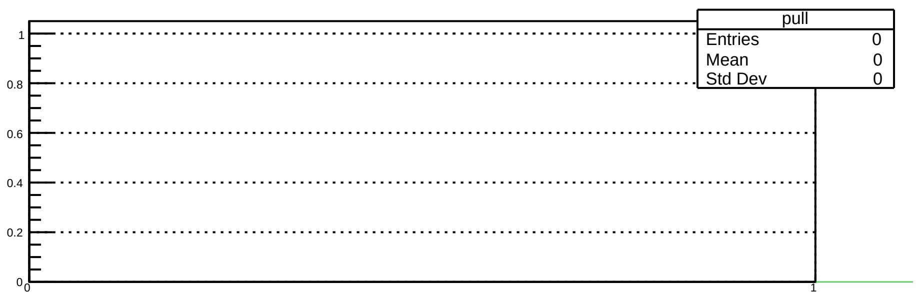
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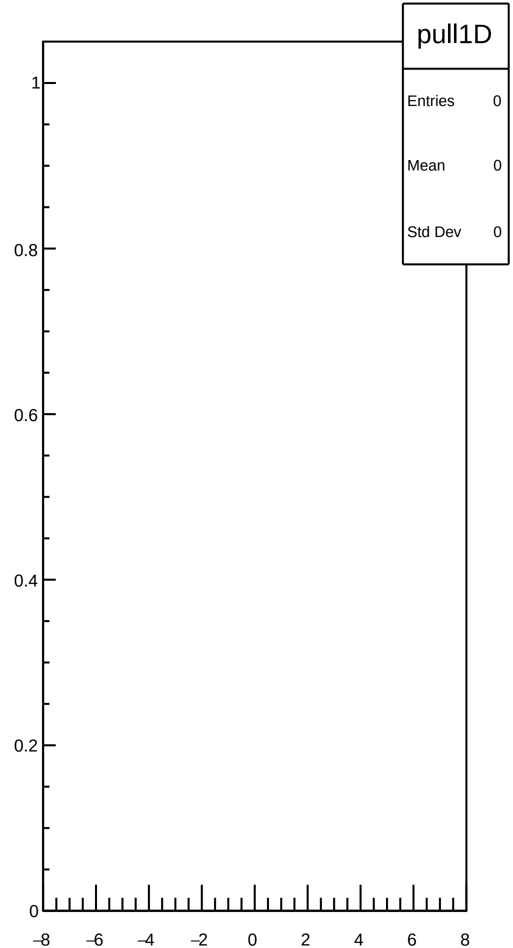
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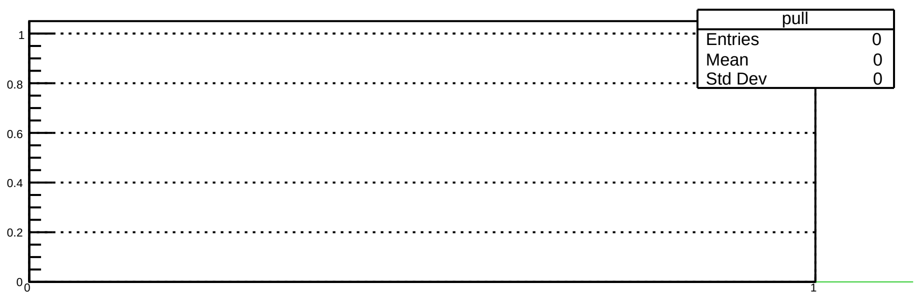
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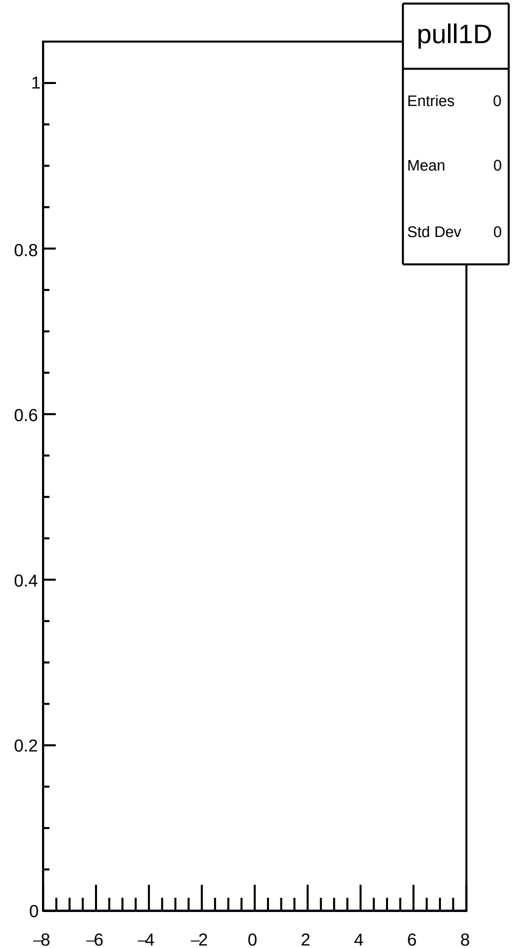
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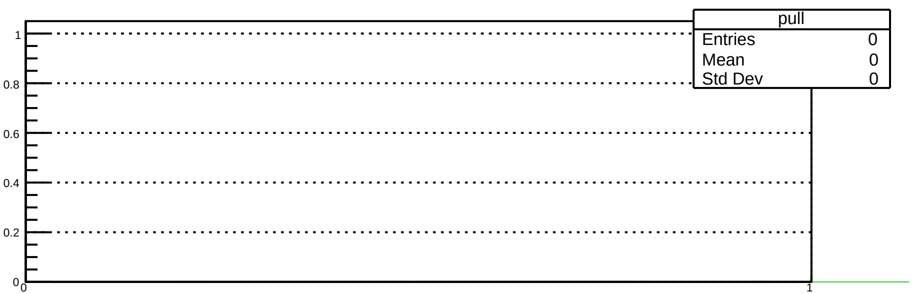

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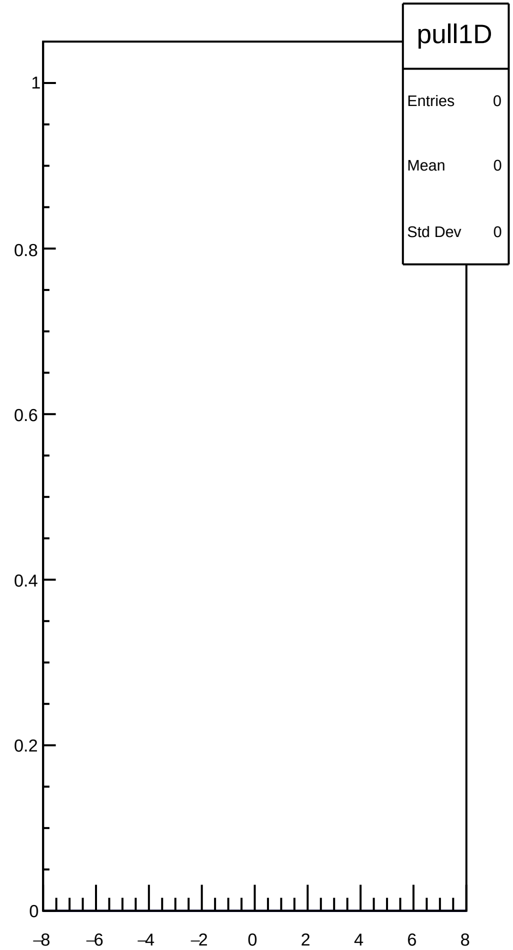

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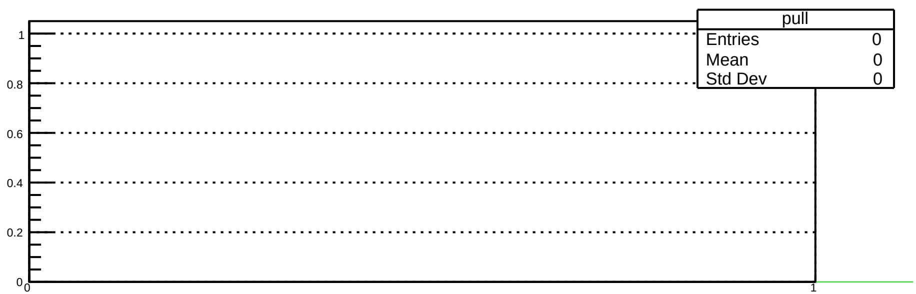
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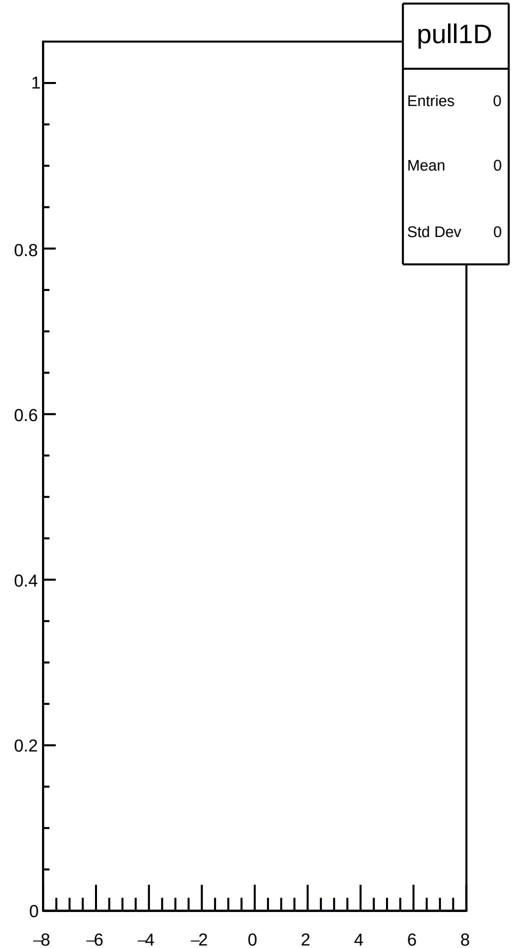
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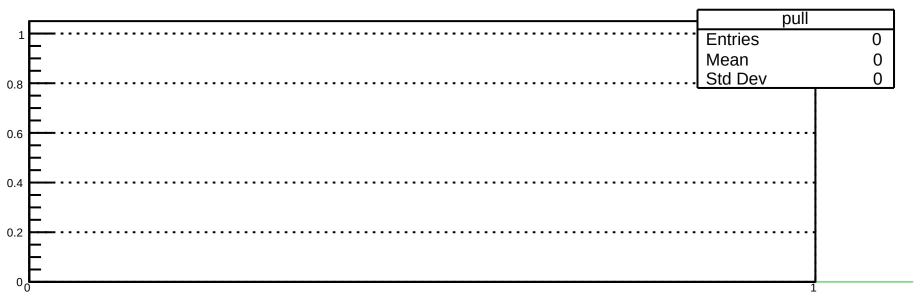
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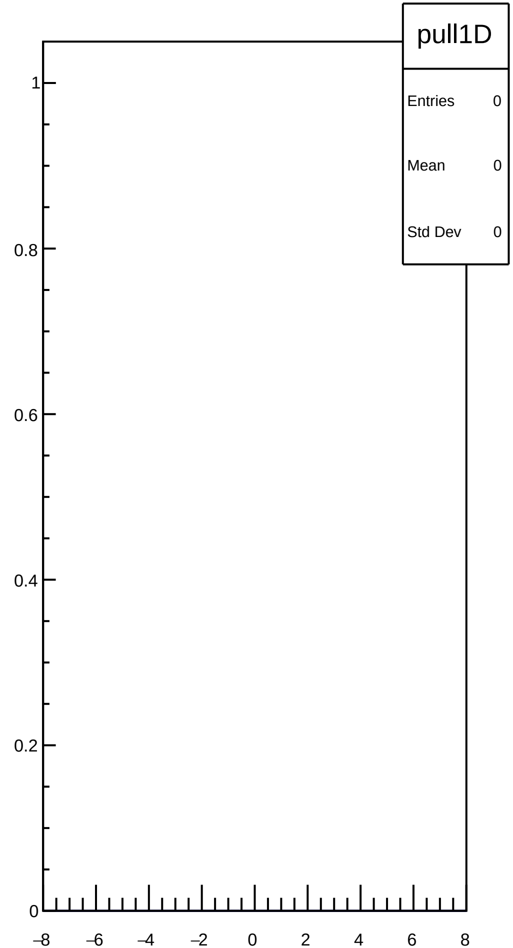
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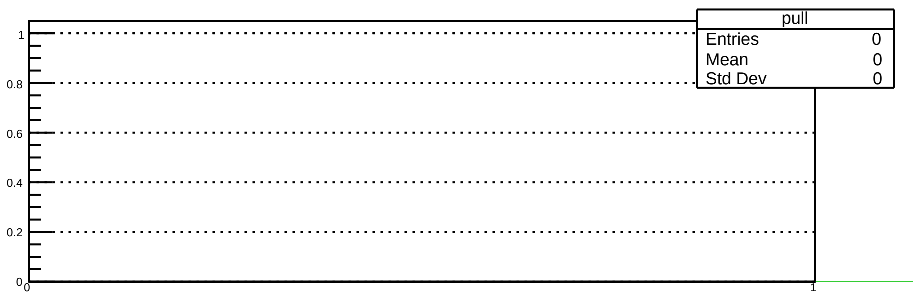
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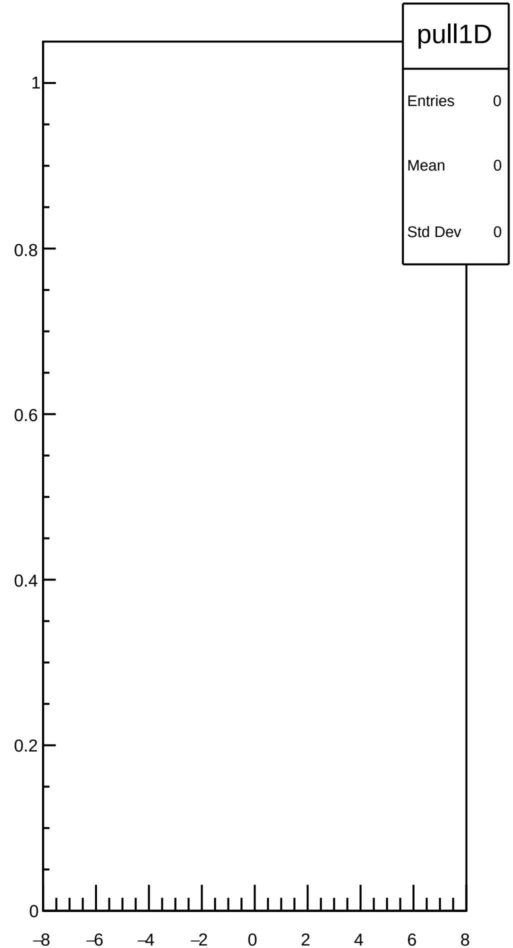
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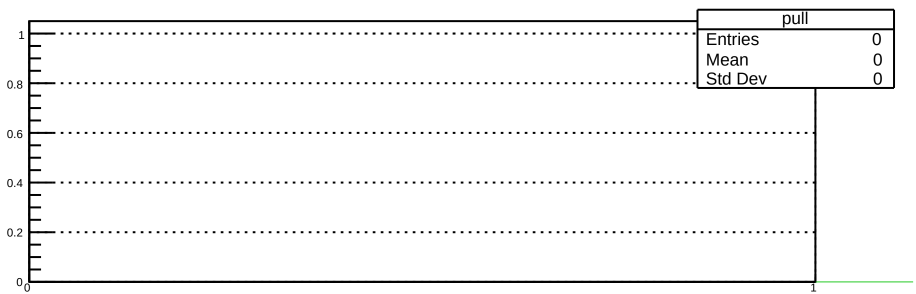
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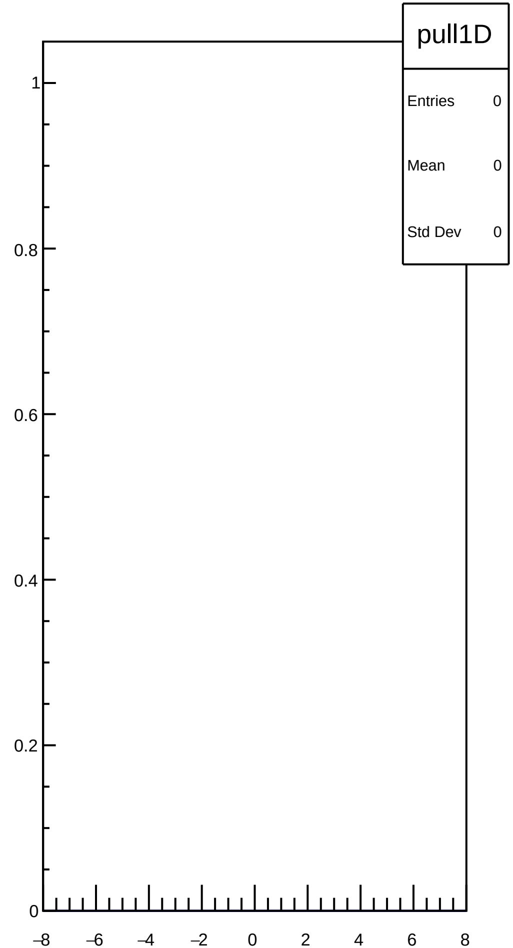
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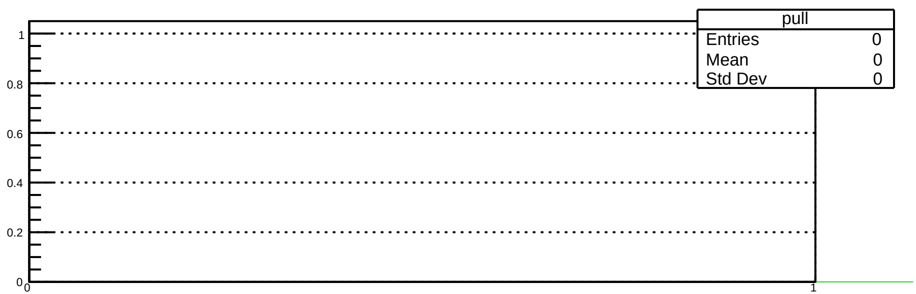
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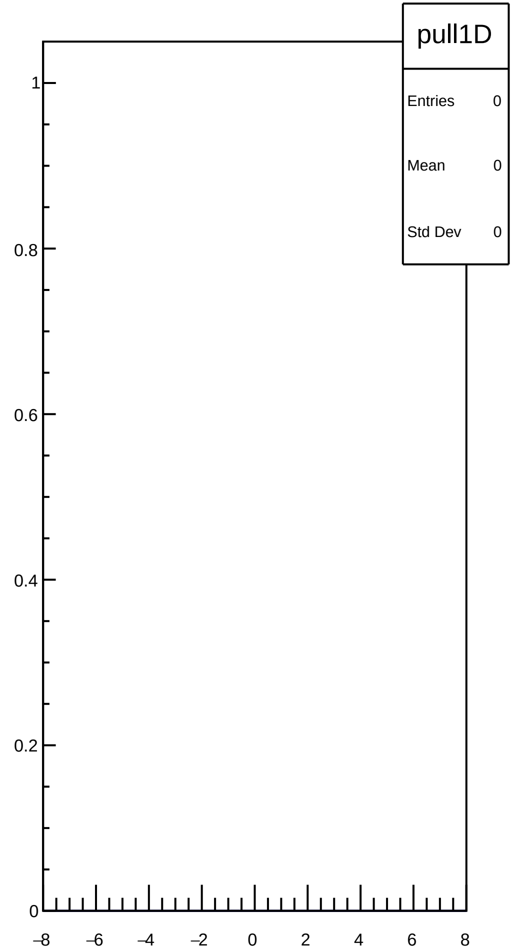
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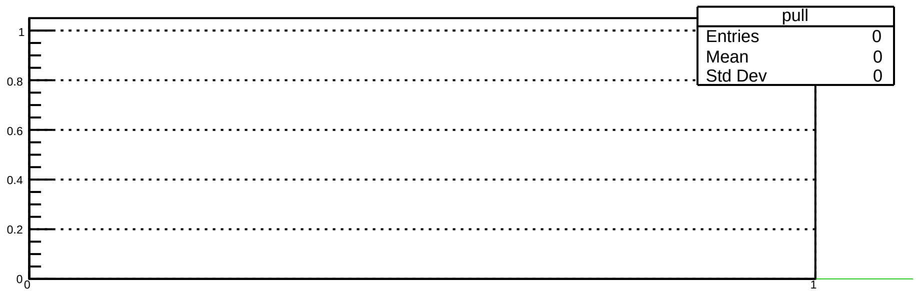
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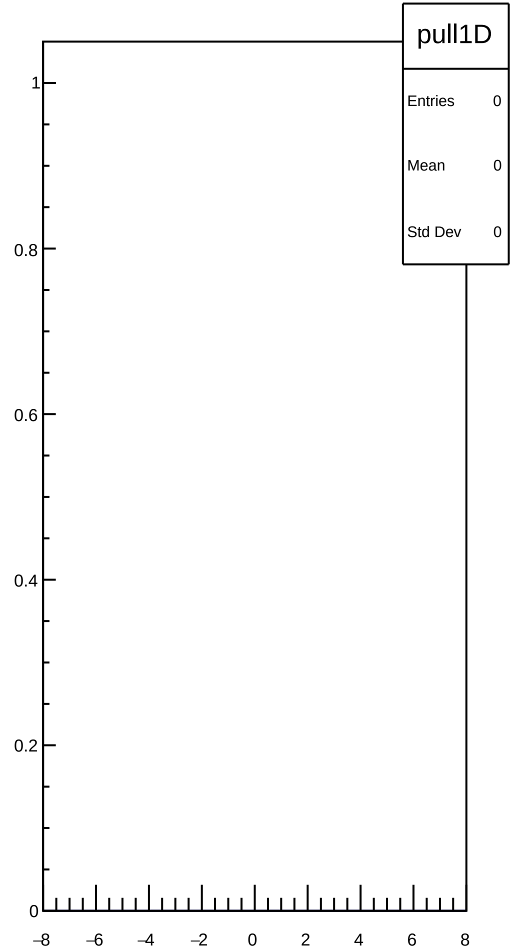
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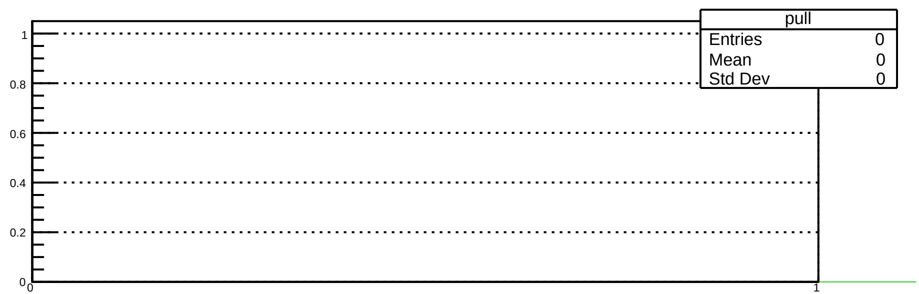
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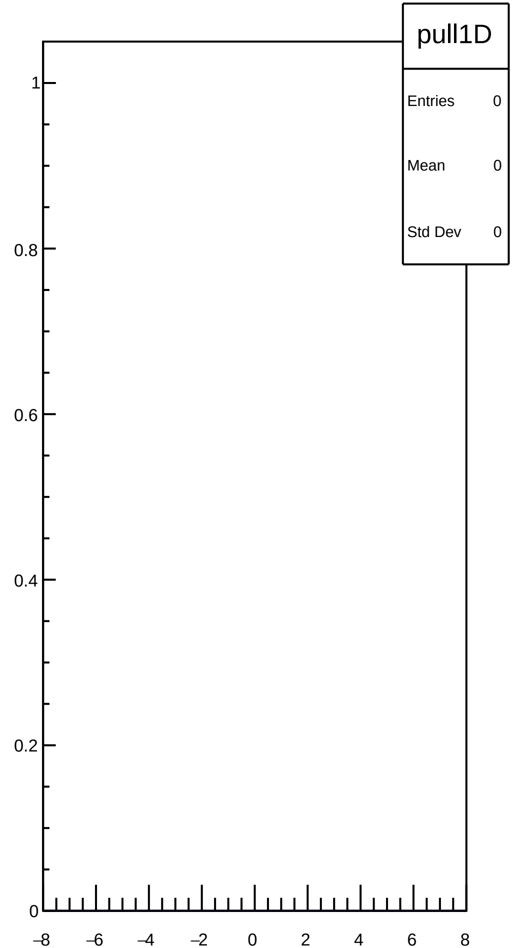
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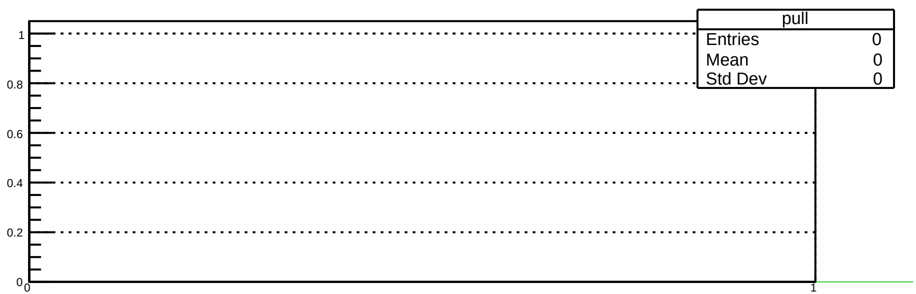
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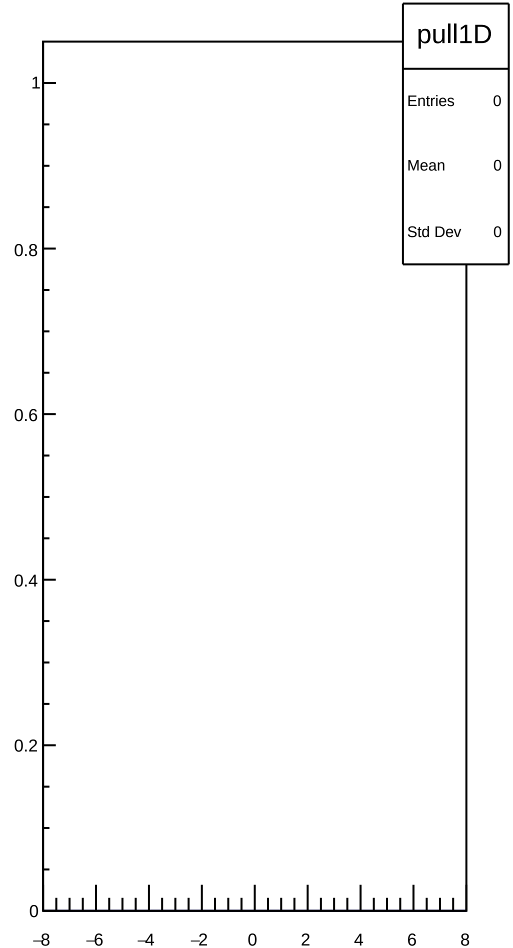
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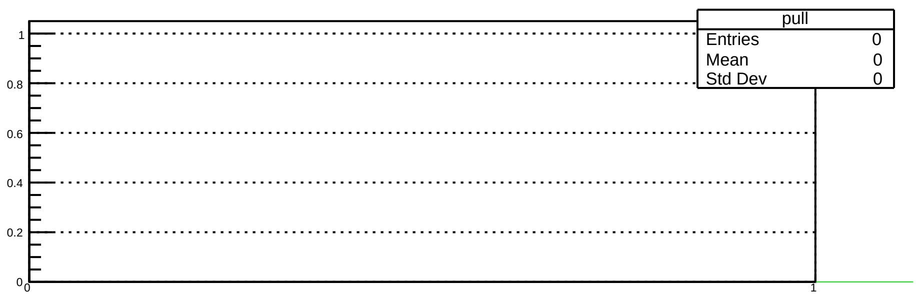

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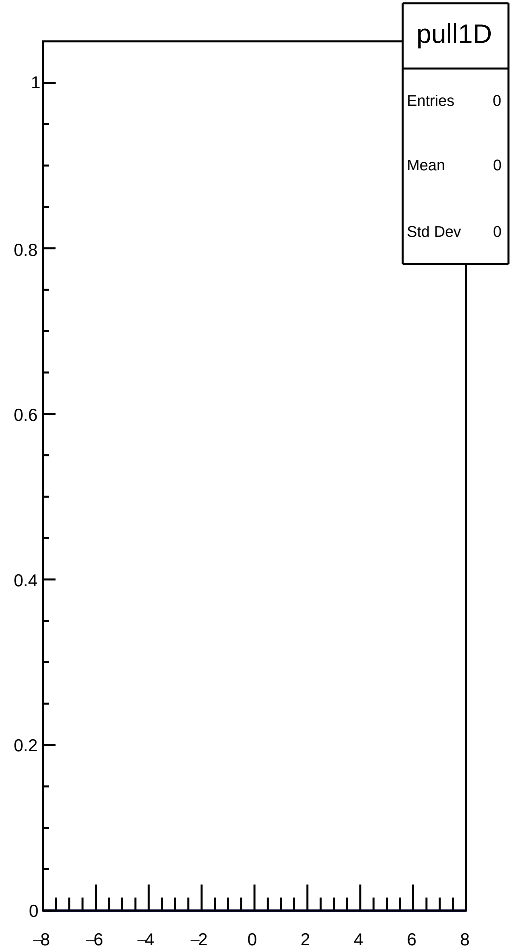

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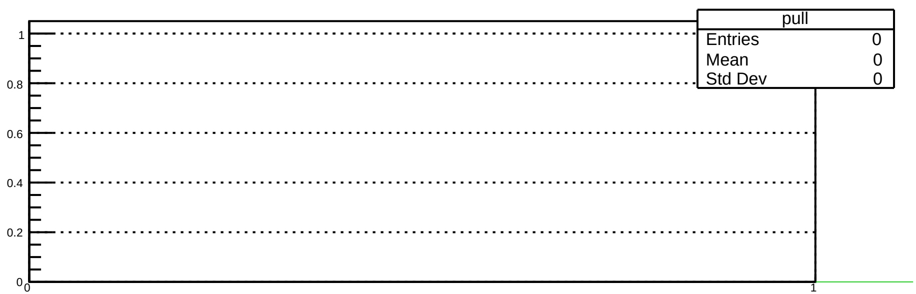
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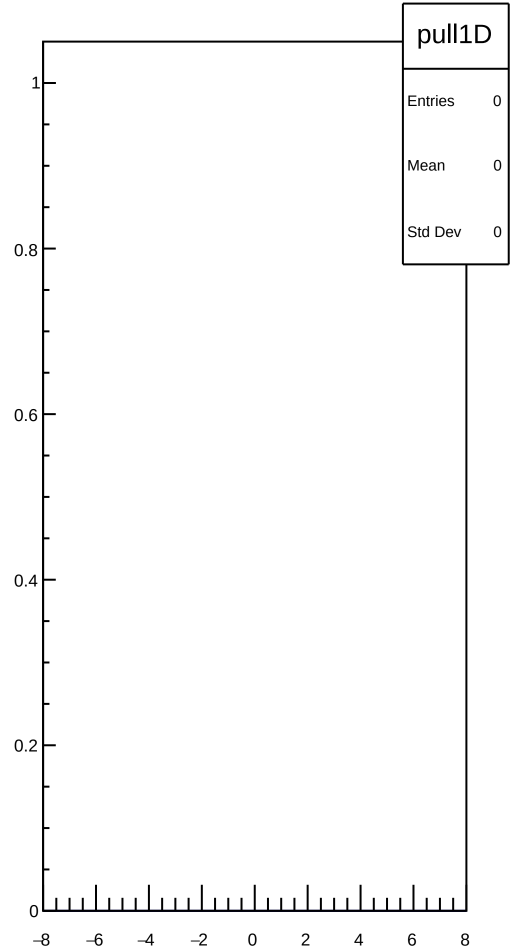
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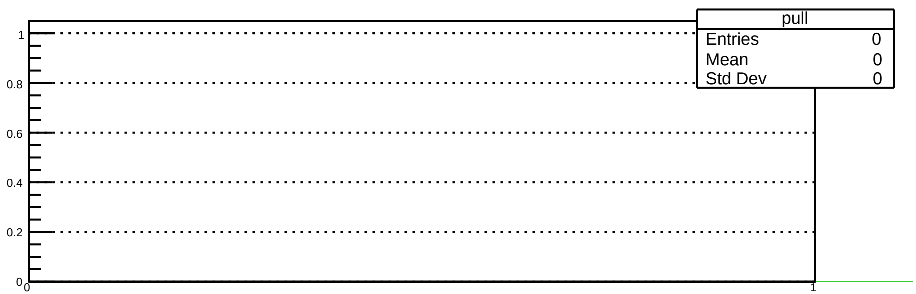

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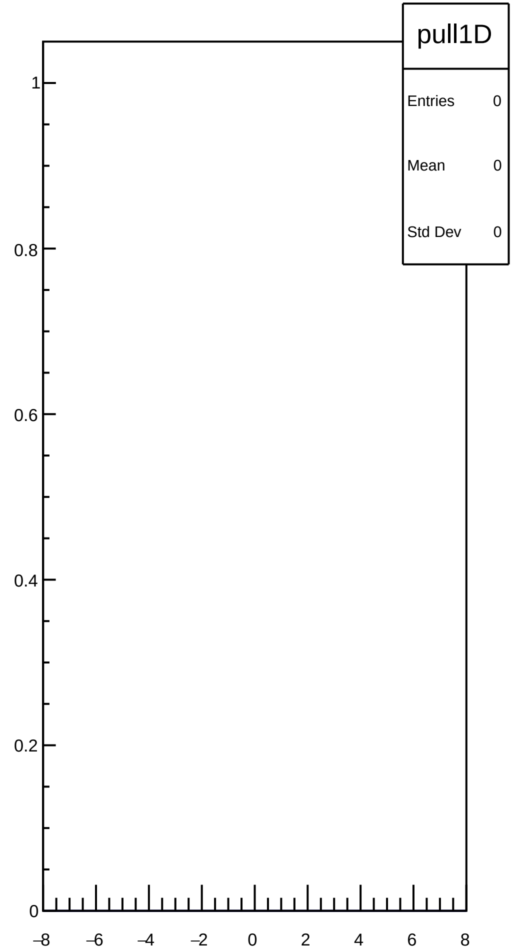

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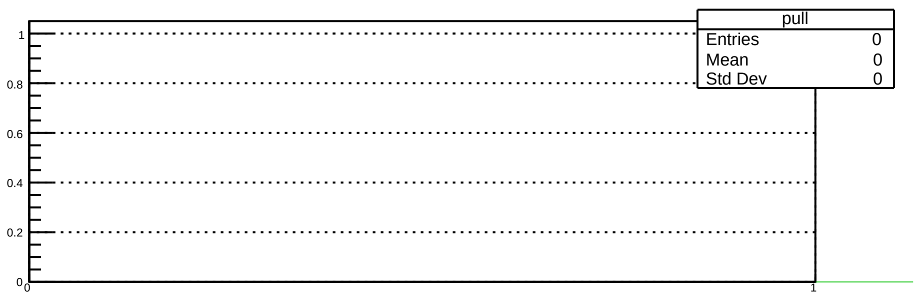
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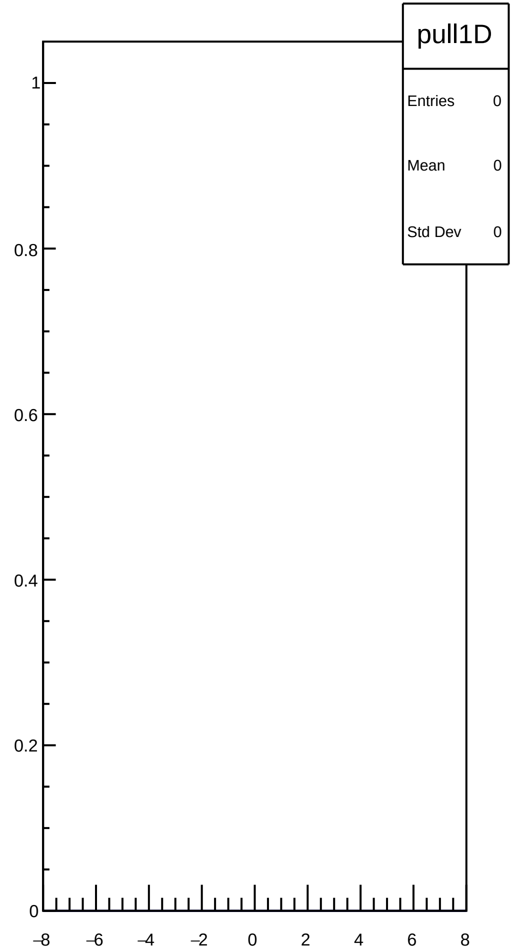
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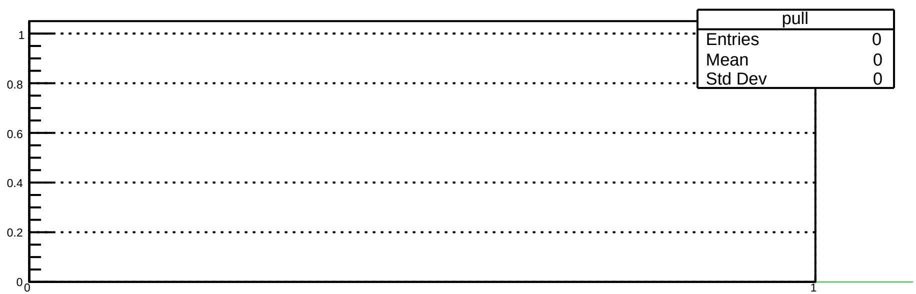
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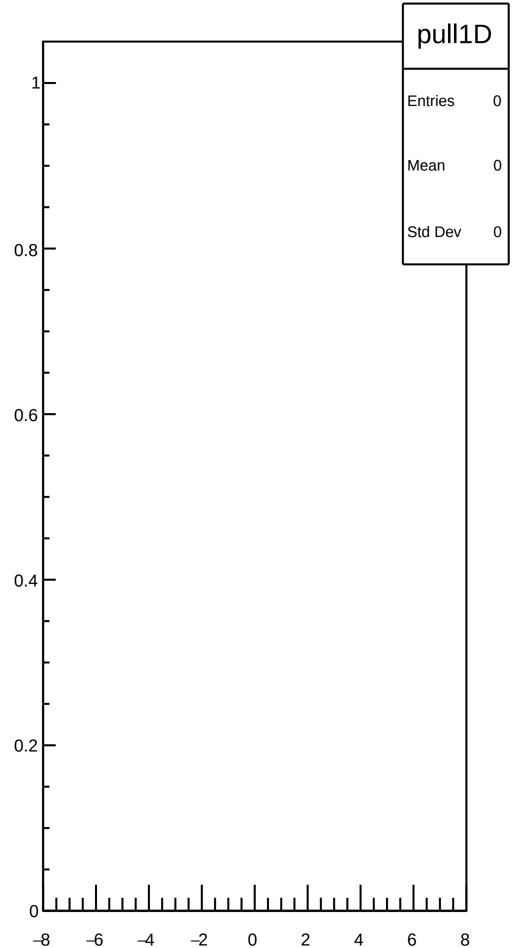
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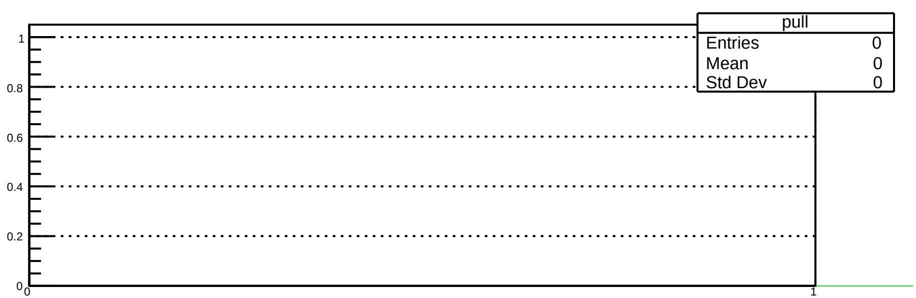
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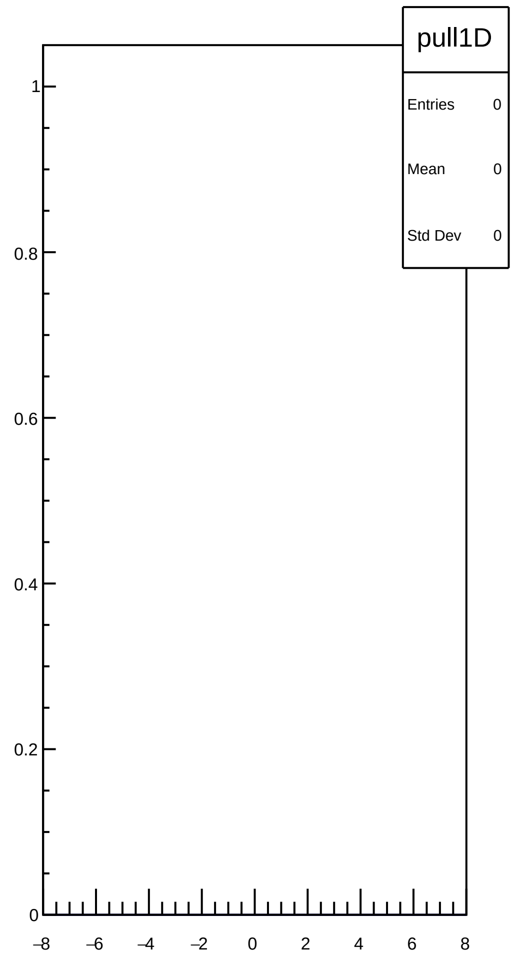
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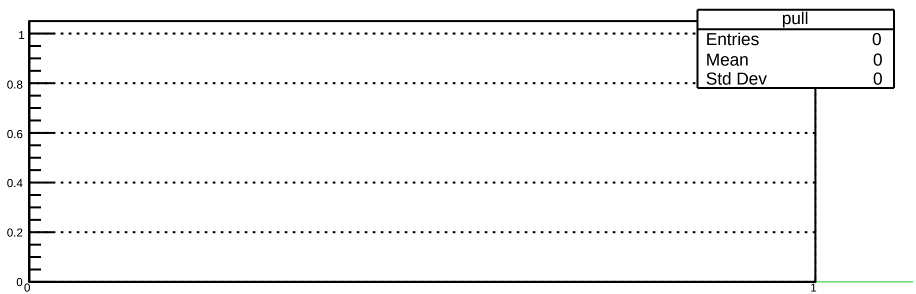

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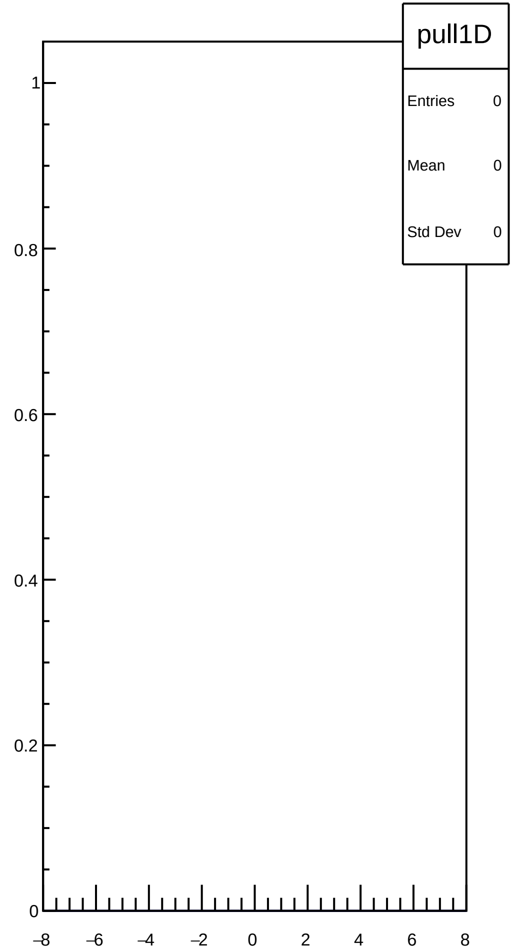

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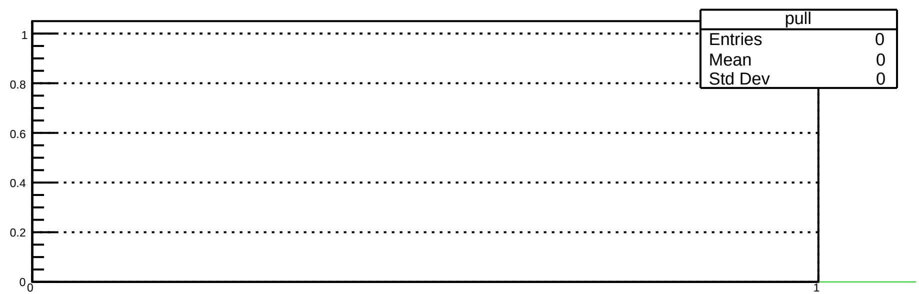

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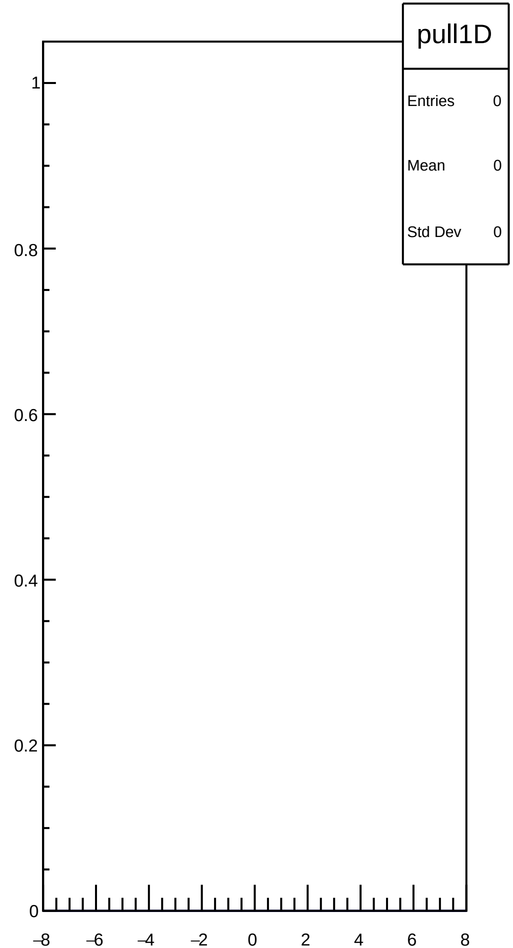

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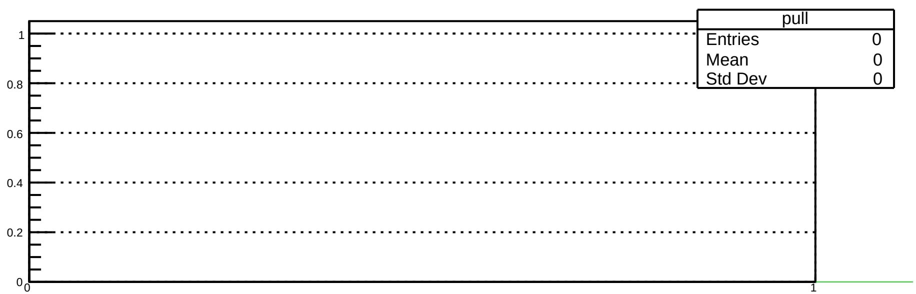

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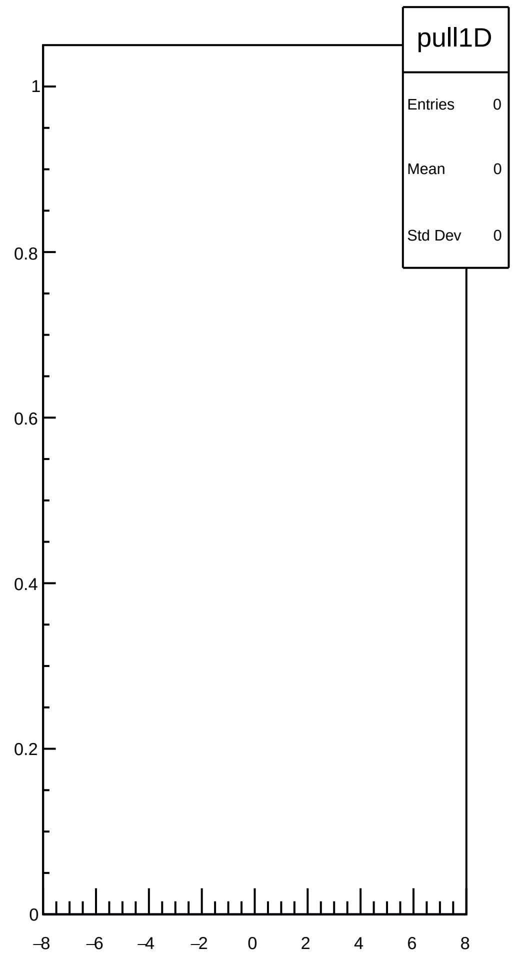

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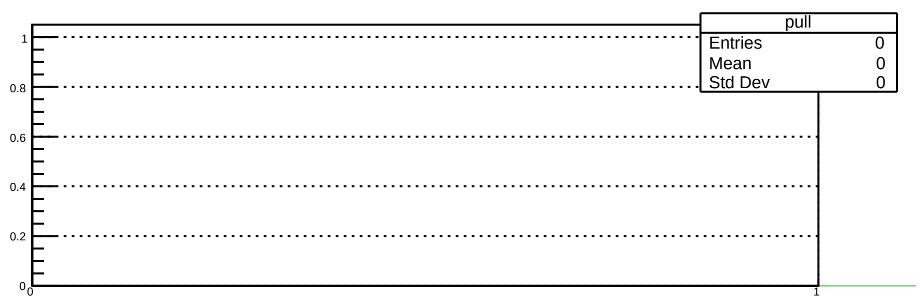
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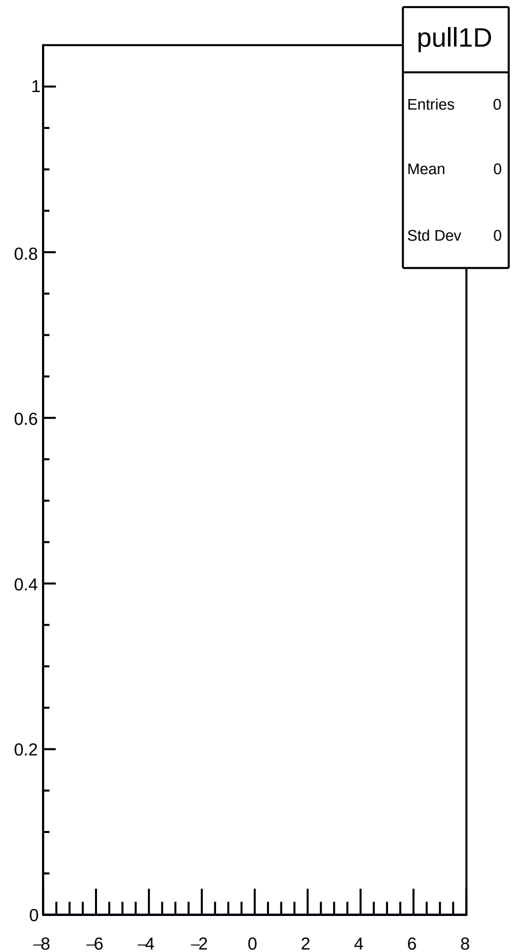
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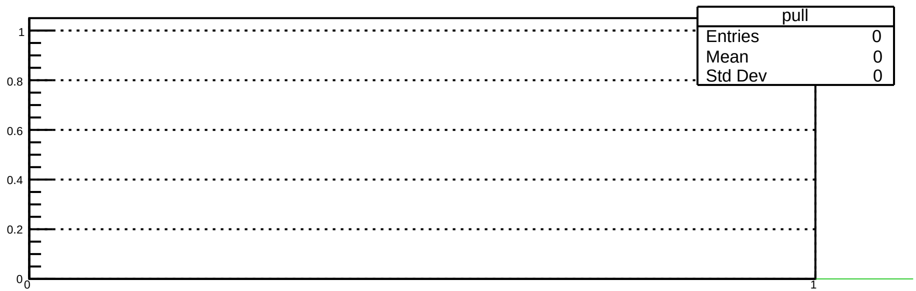
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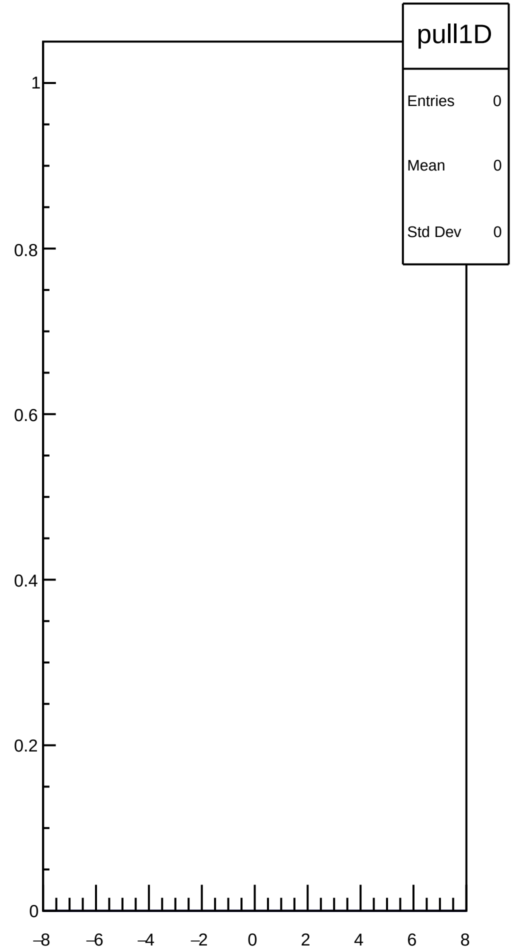
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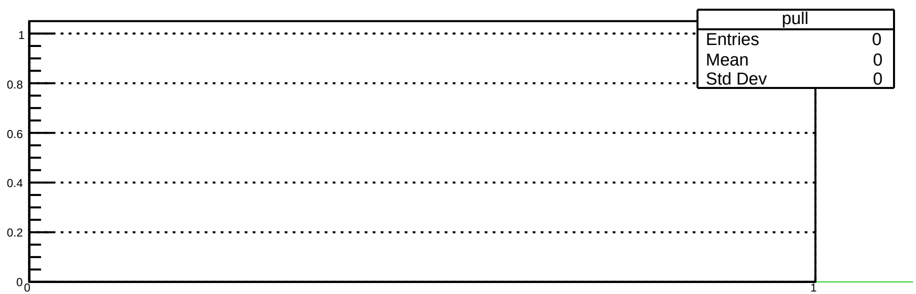
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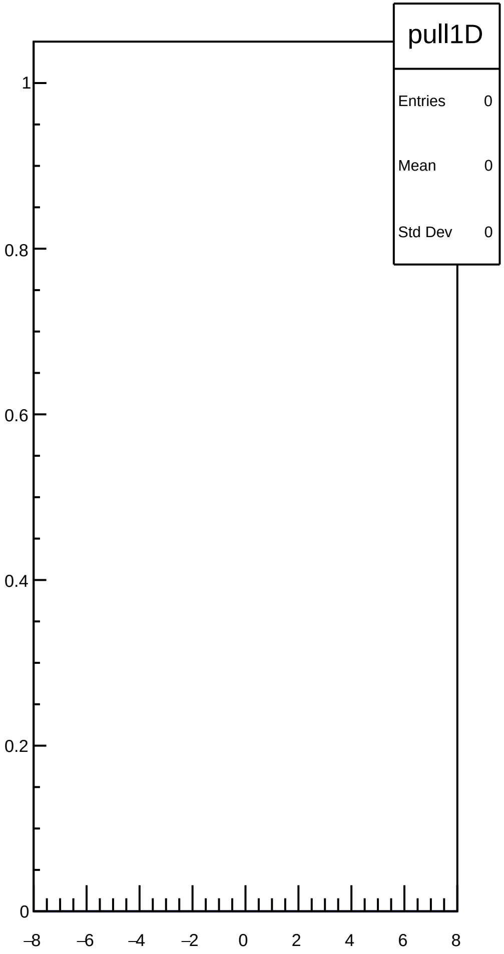
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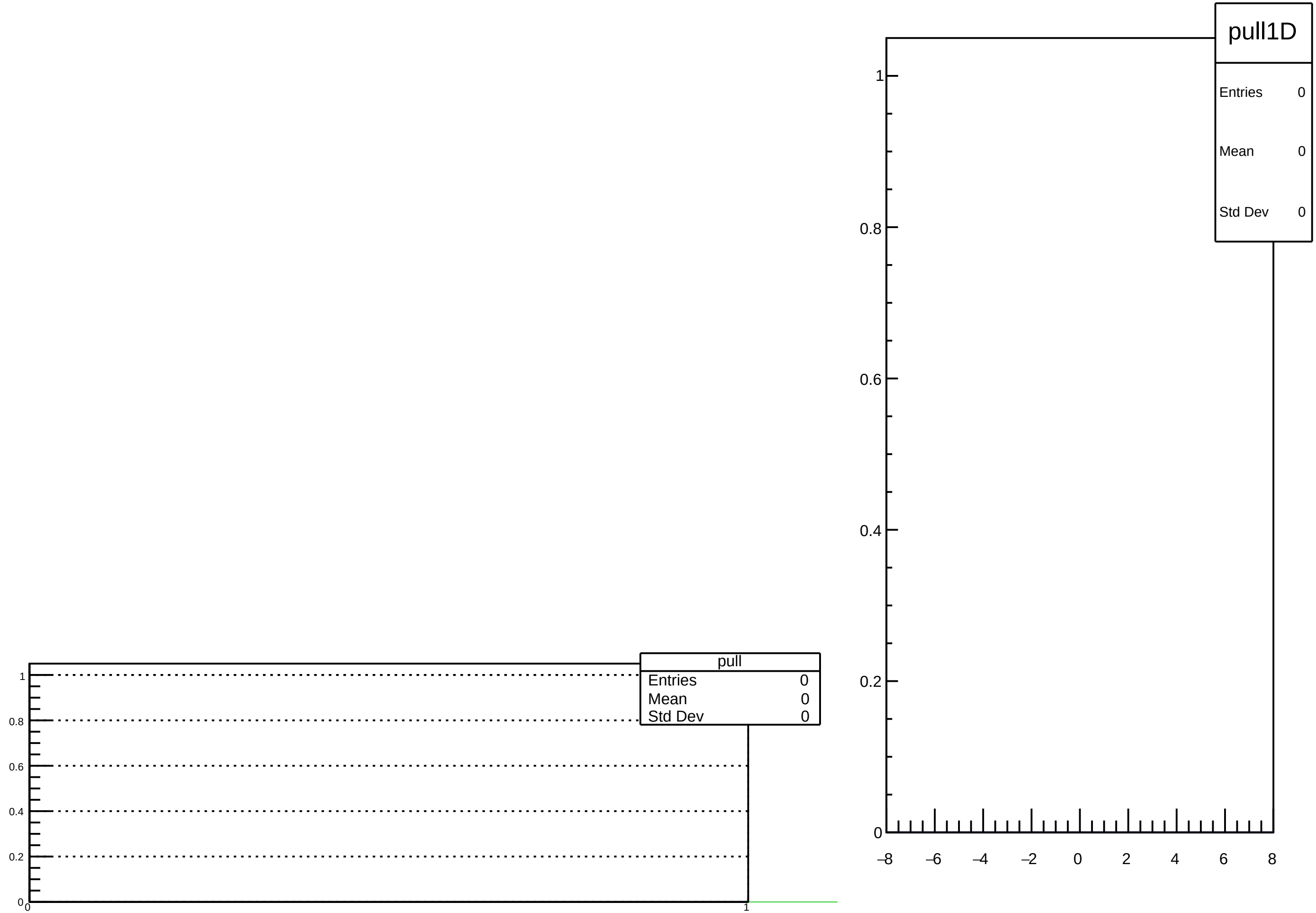

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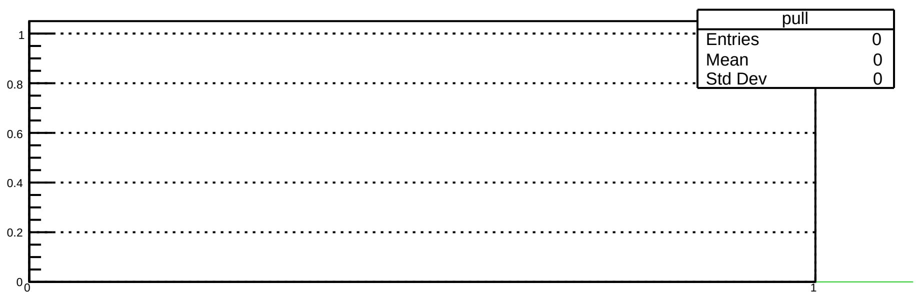

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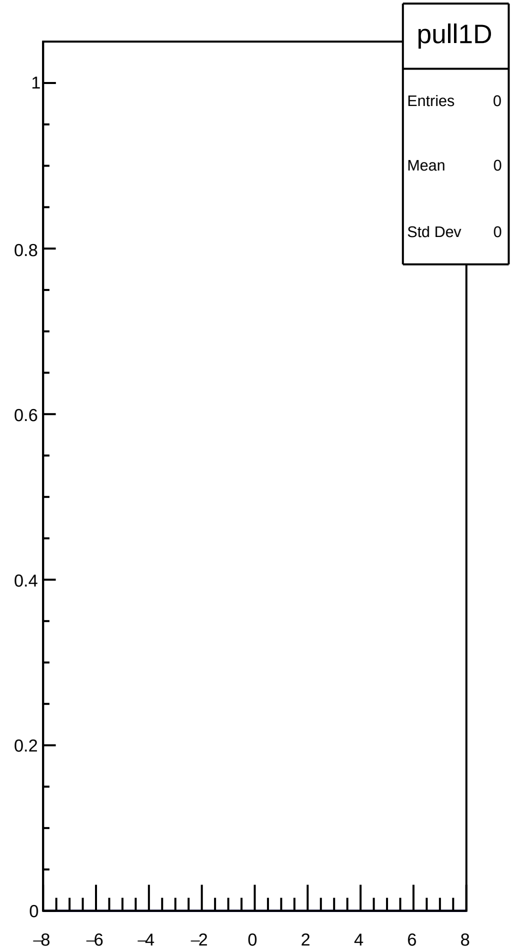

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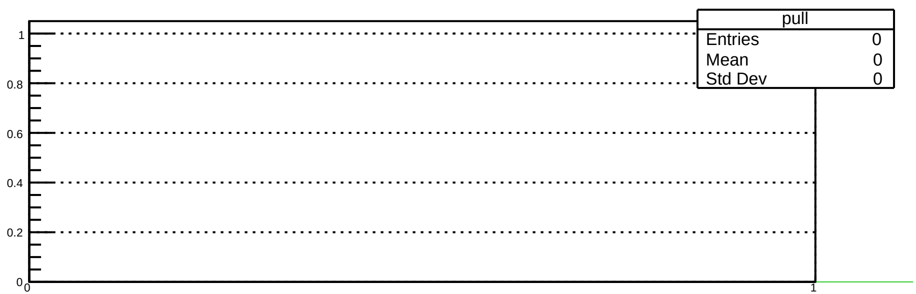

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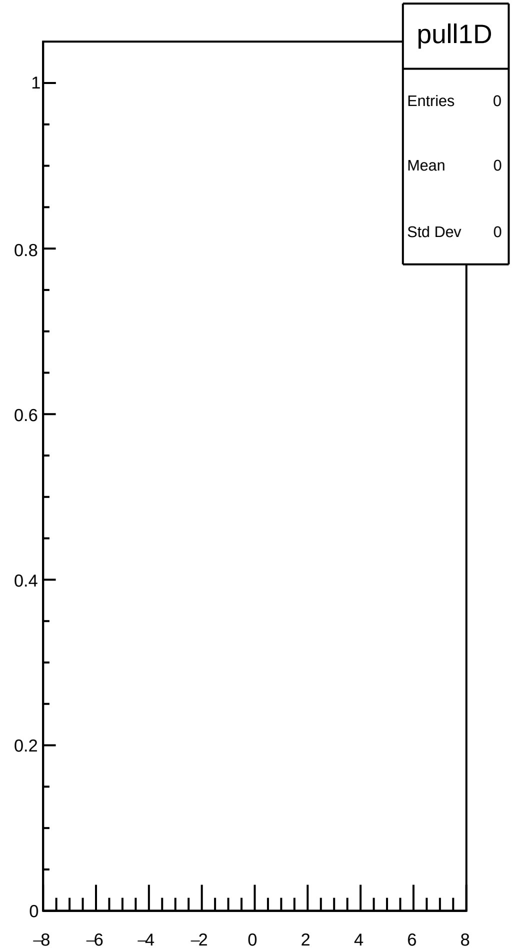

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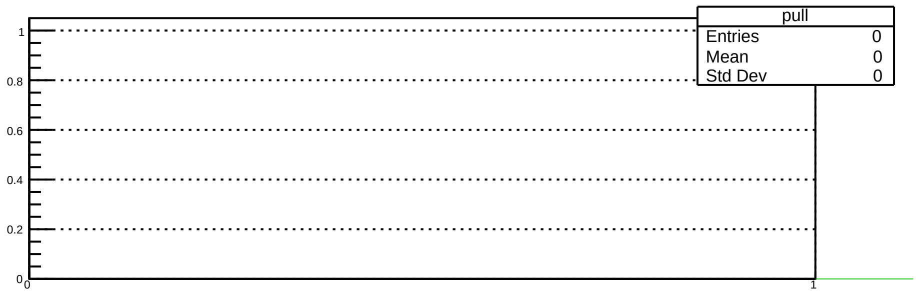
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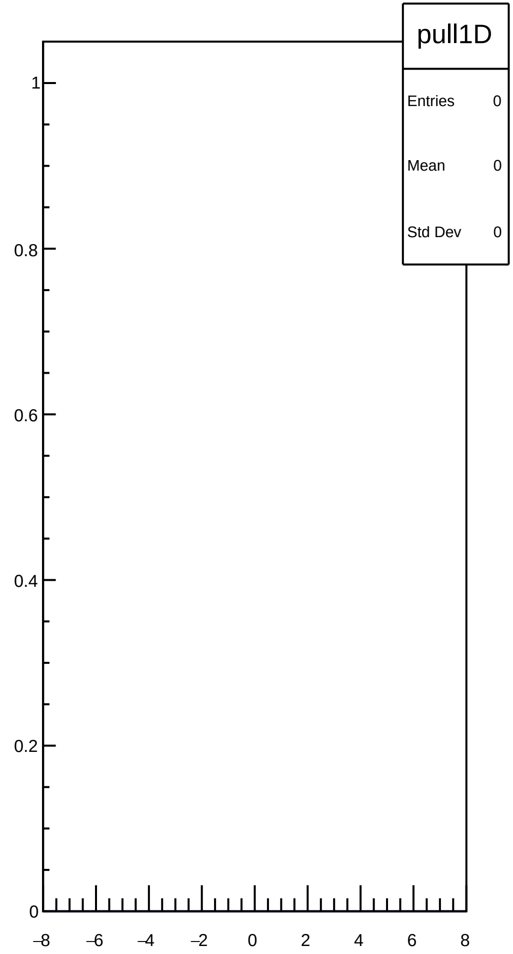
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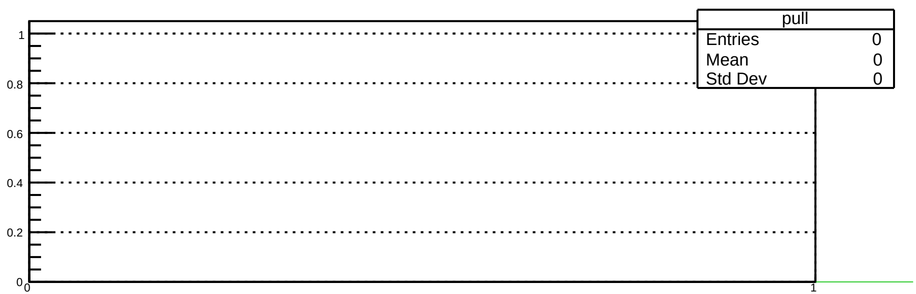
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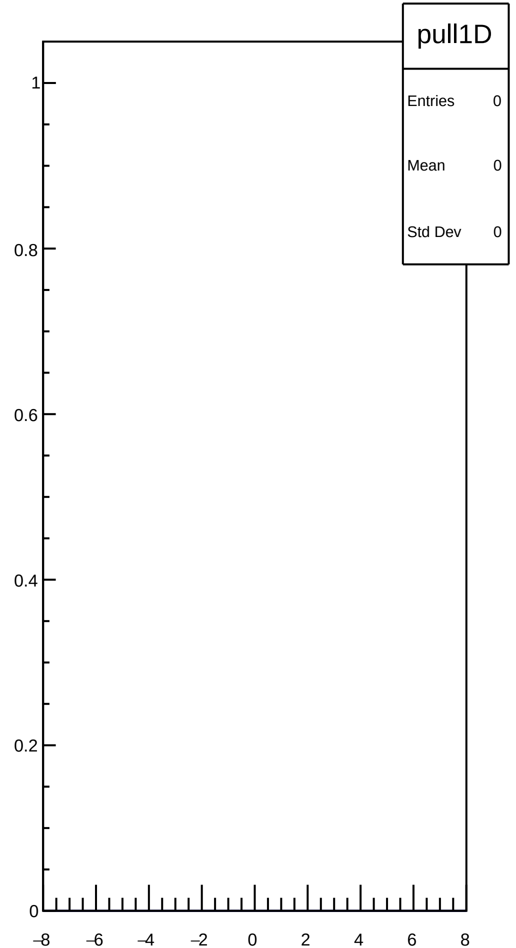
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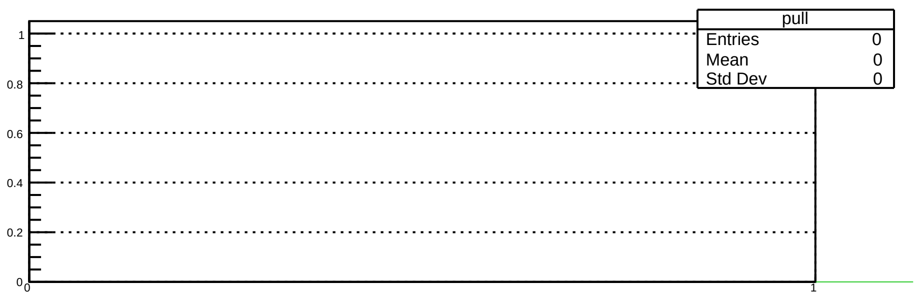
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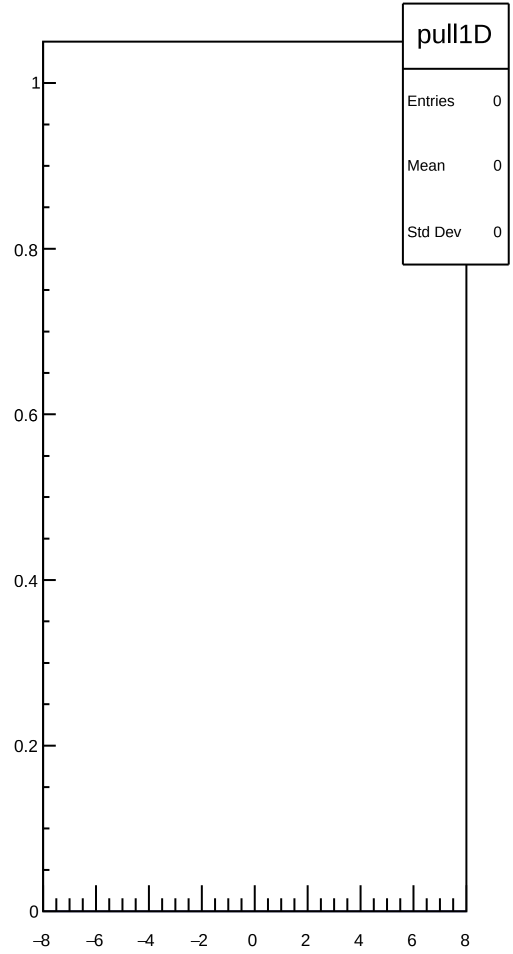
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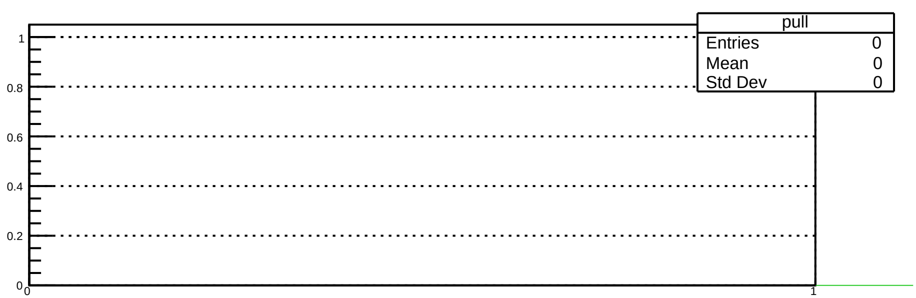
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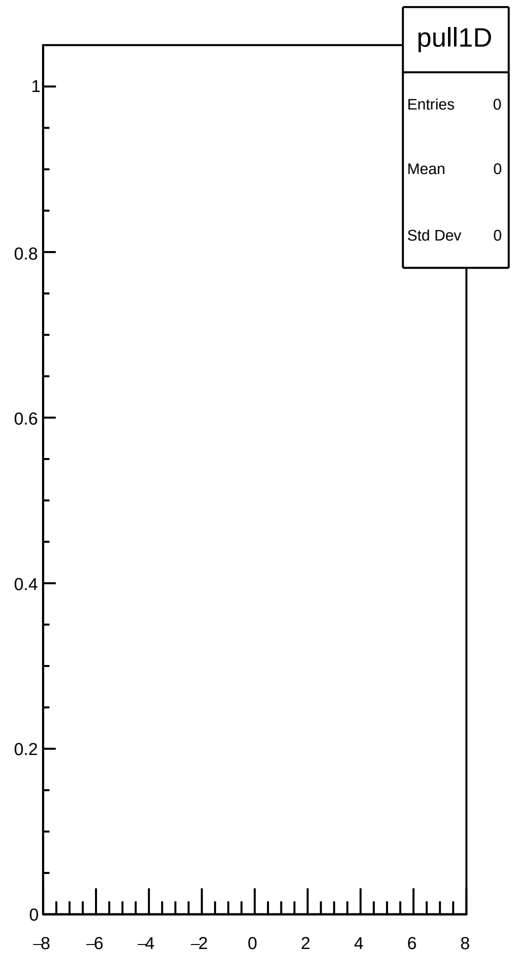
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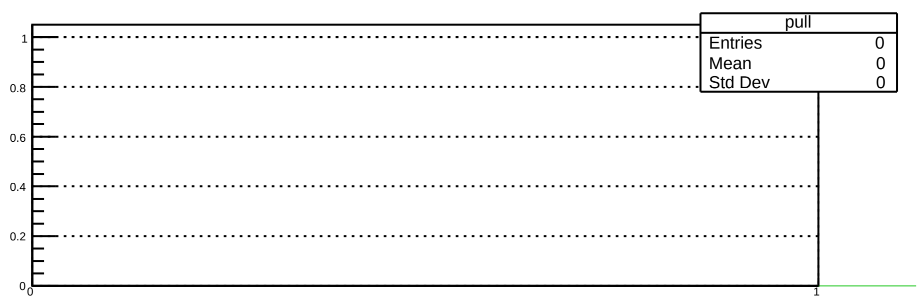

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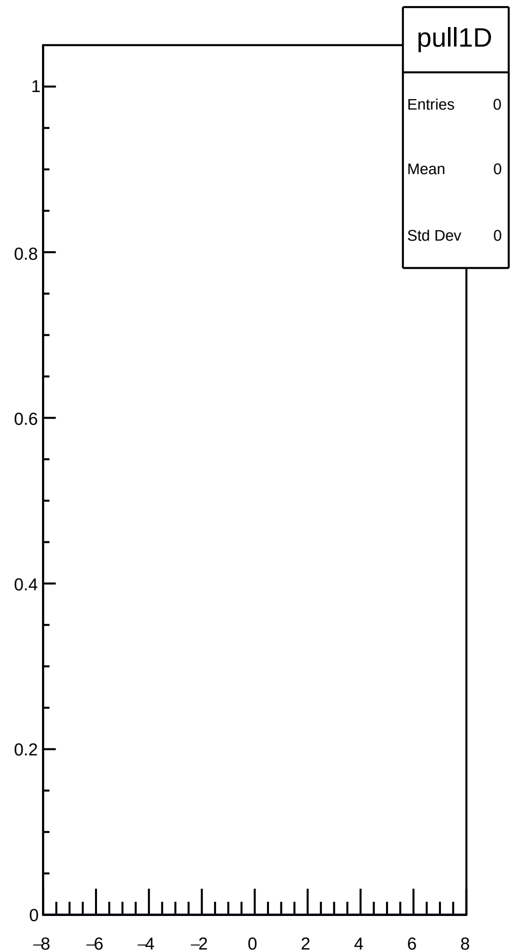
Std Dev 0



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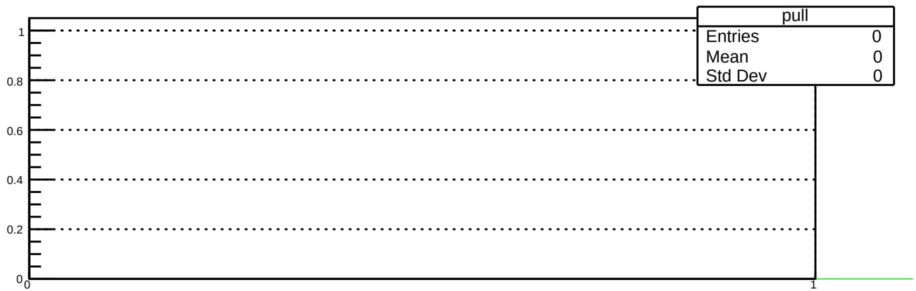

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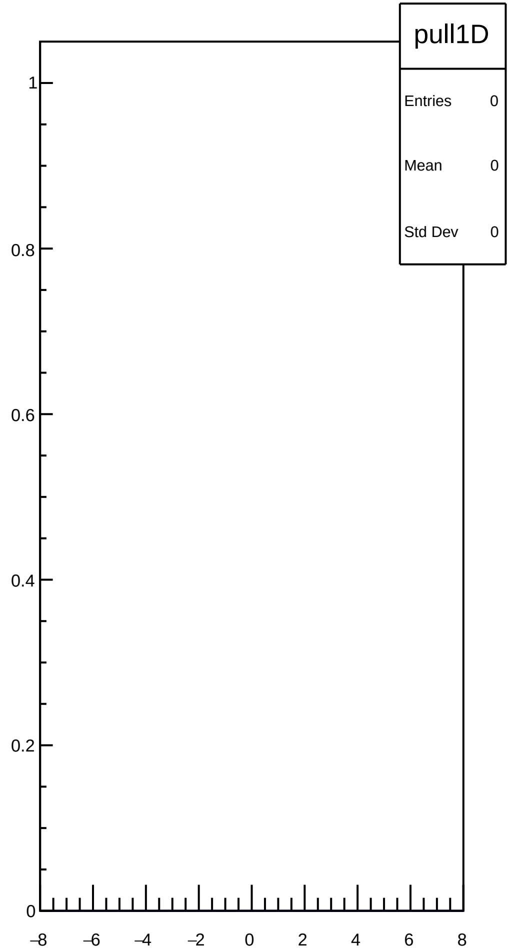

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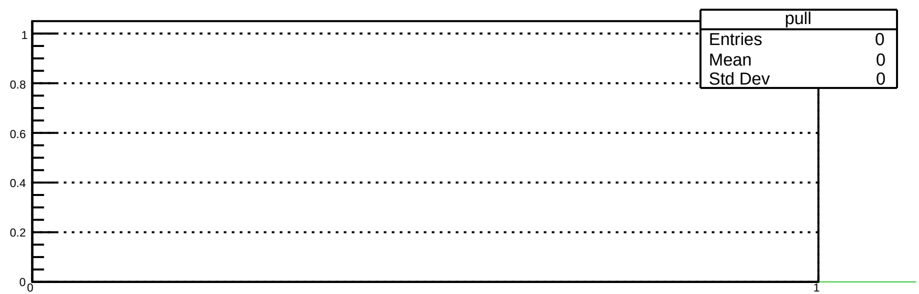
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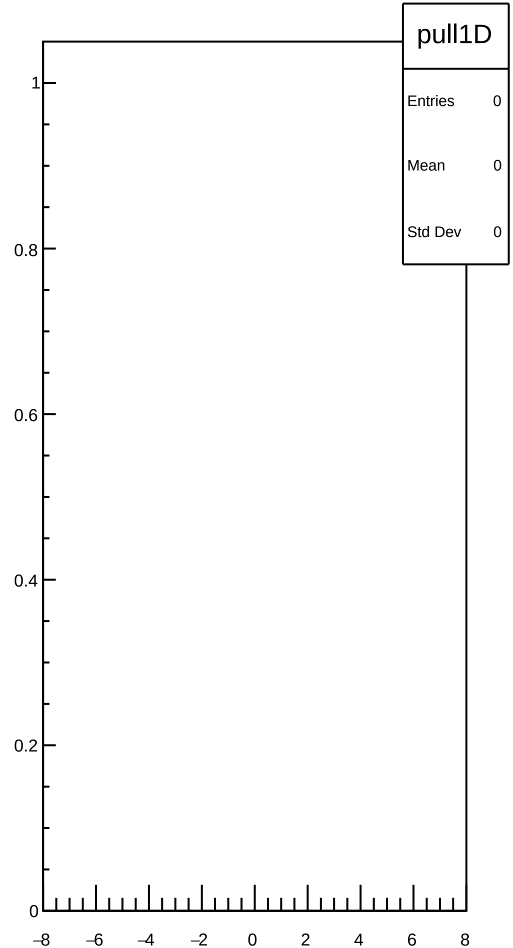
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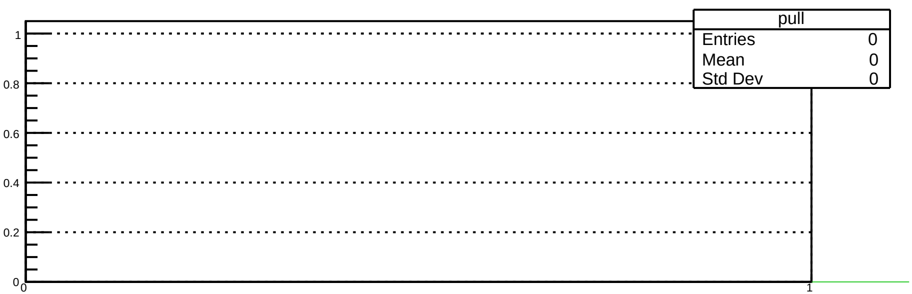

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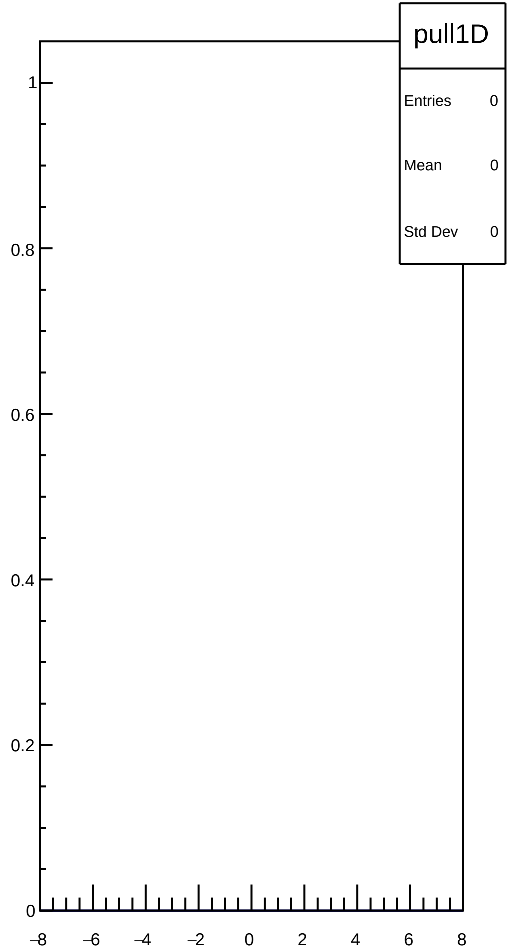

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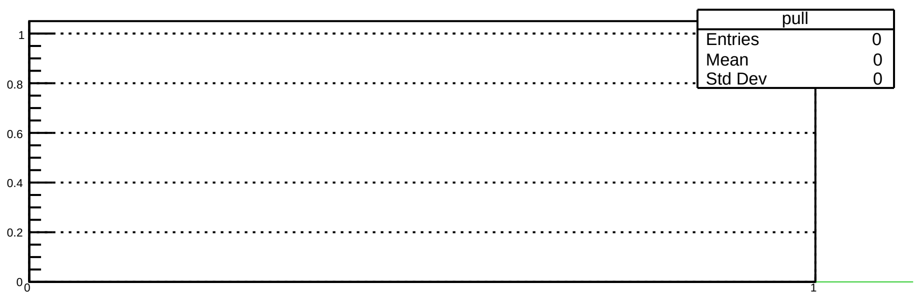
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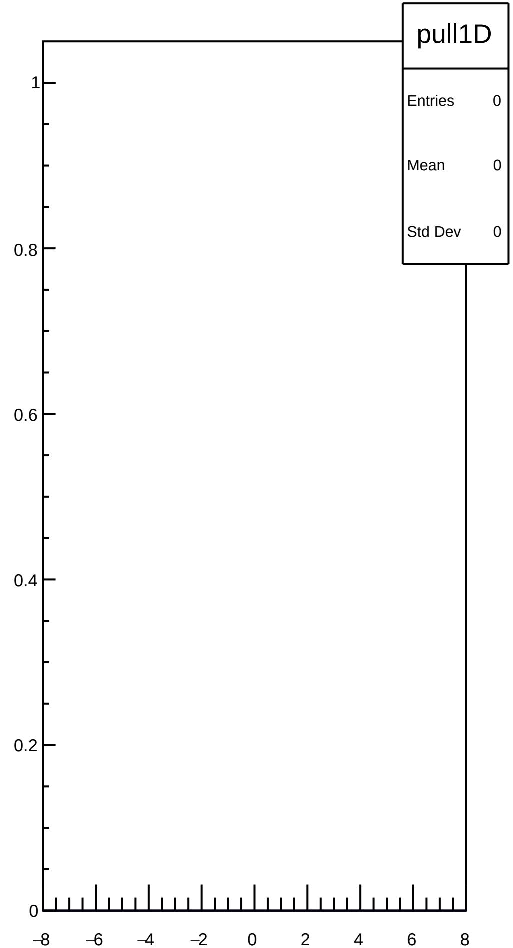
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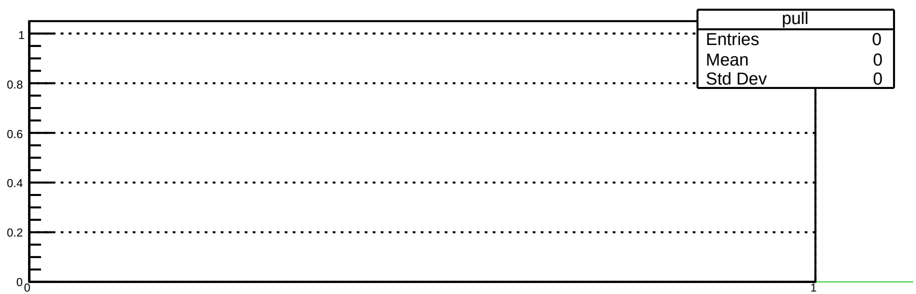

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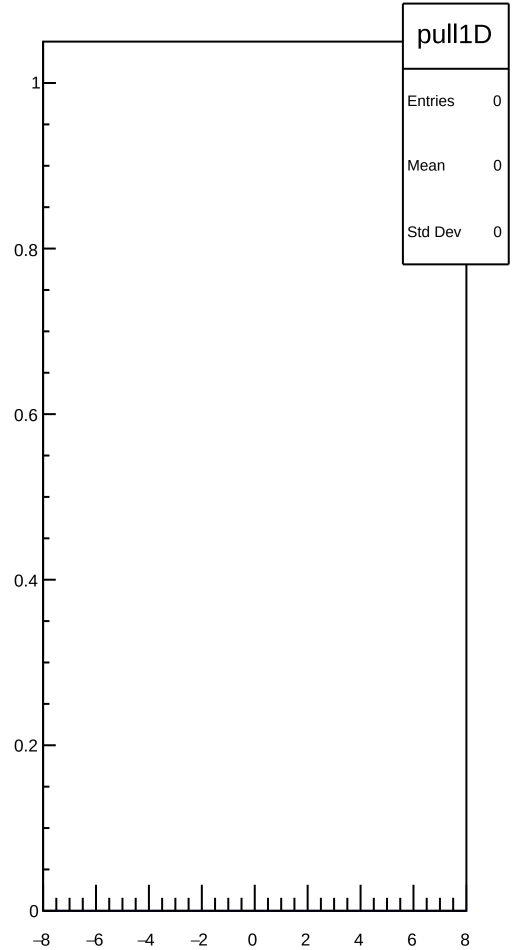

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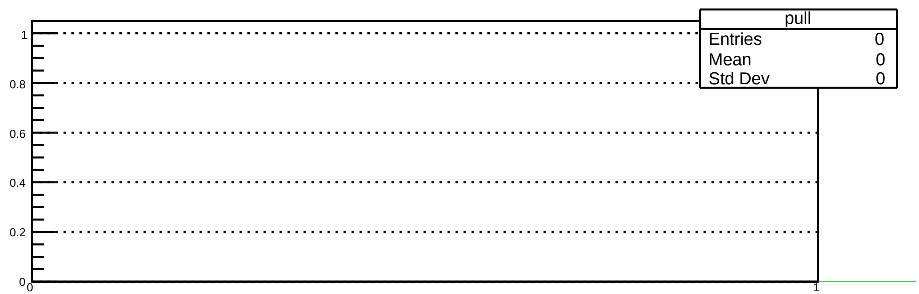
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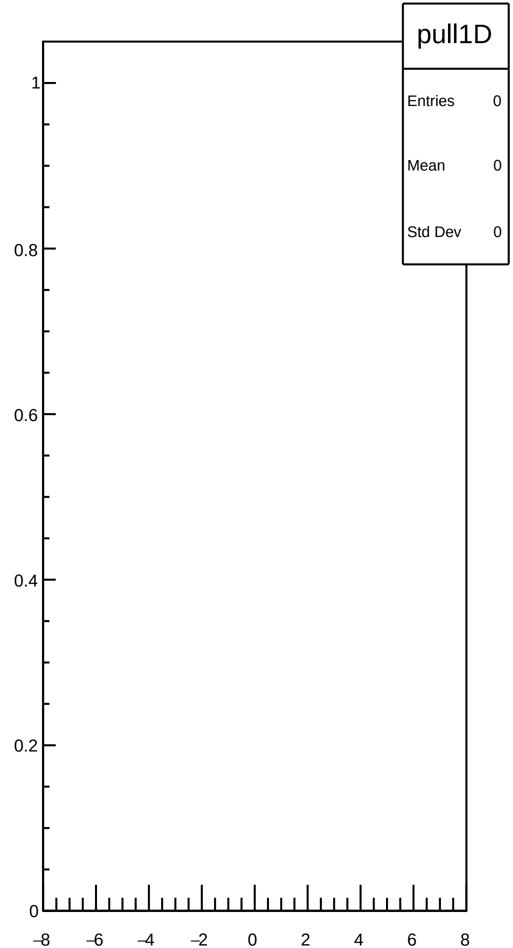
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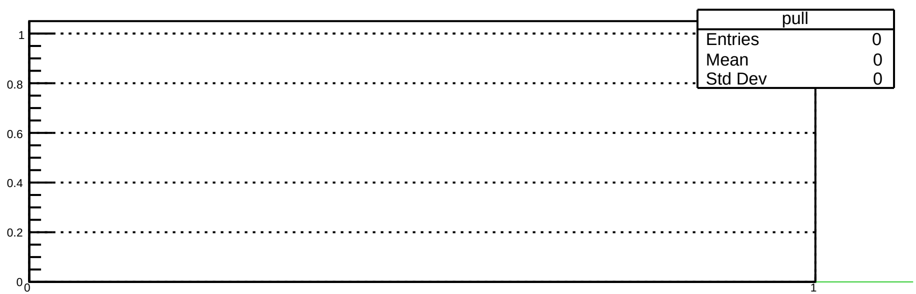
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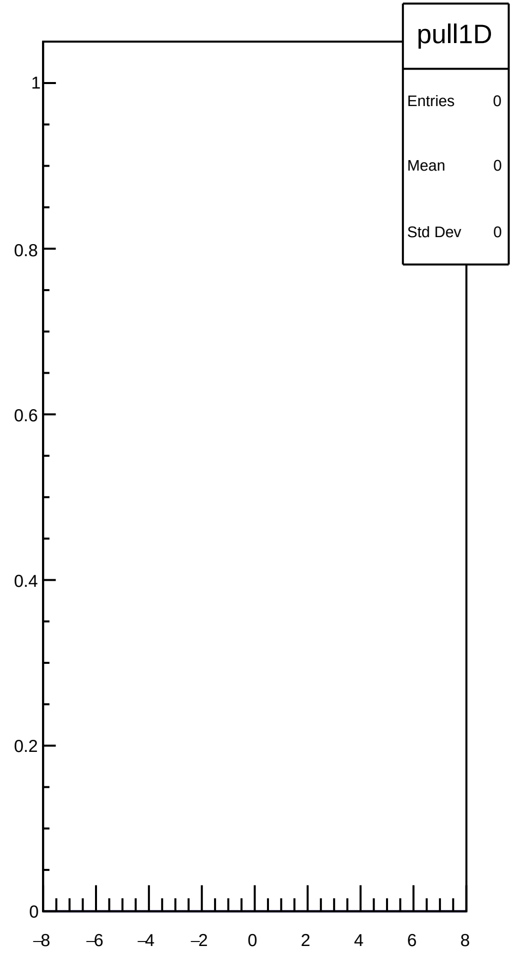
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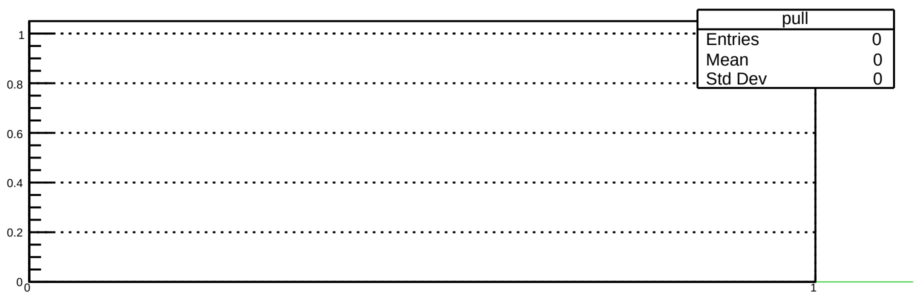

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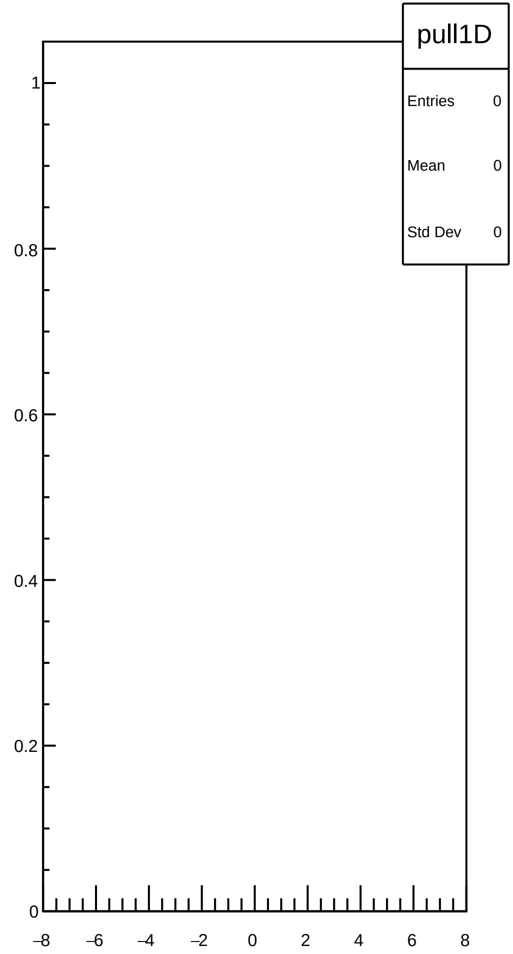

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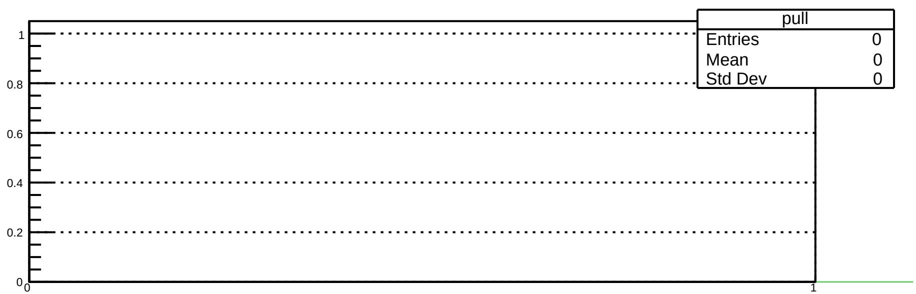

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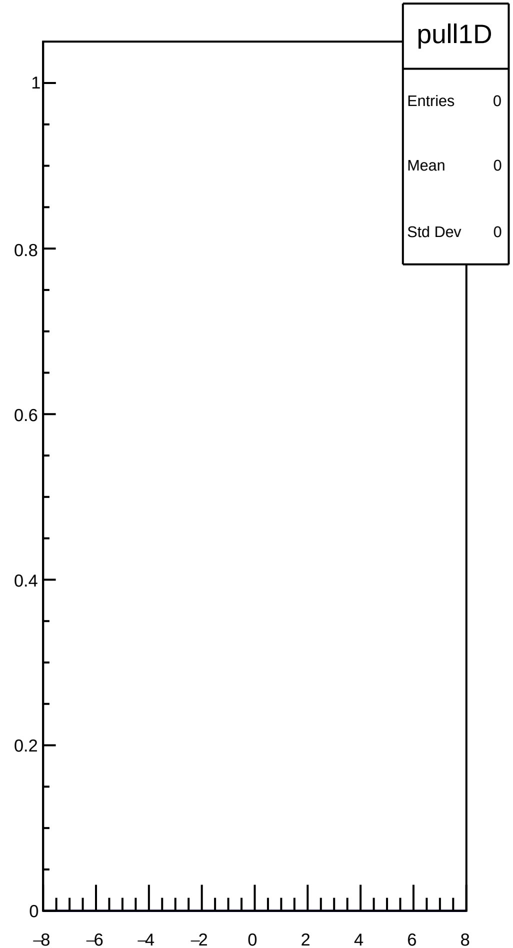

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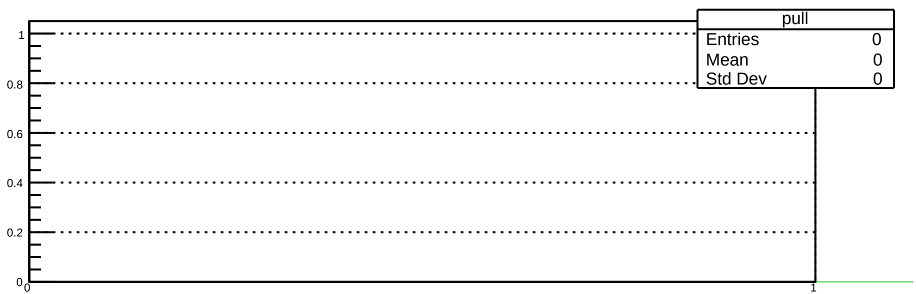
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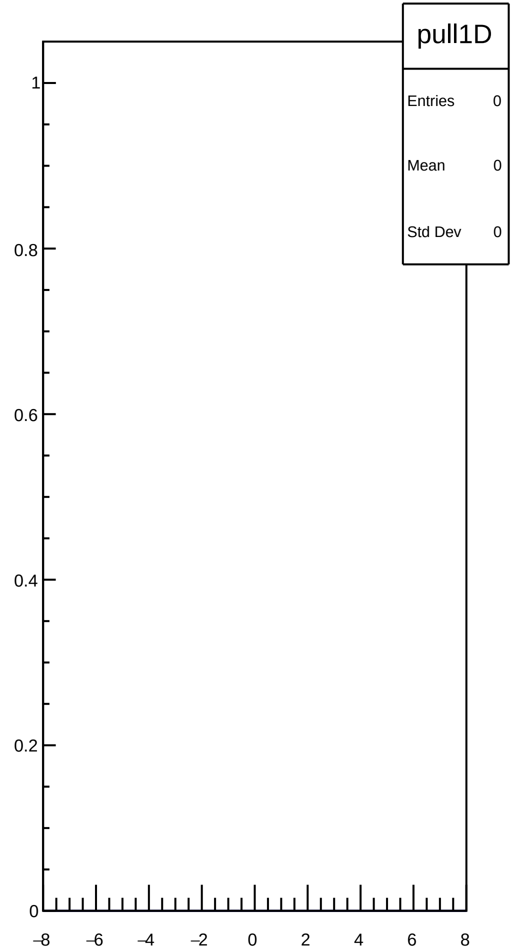
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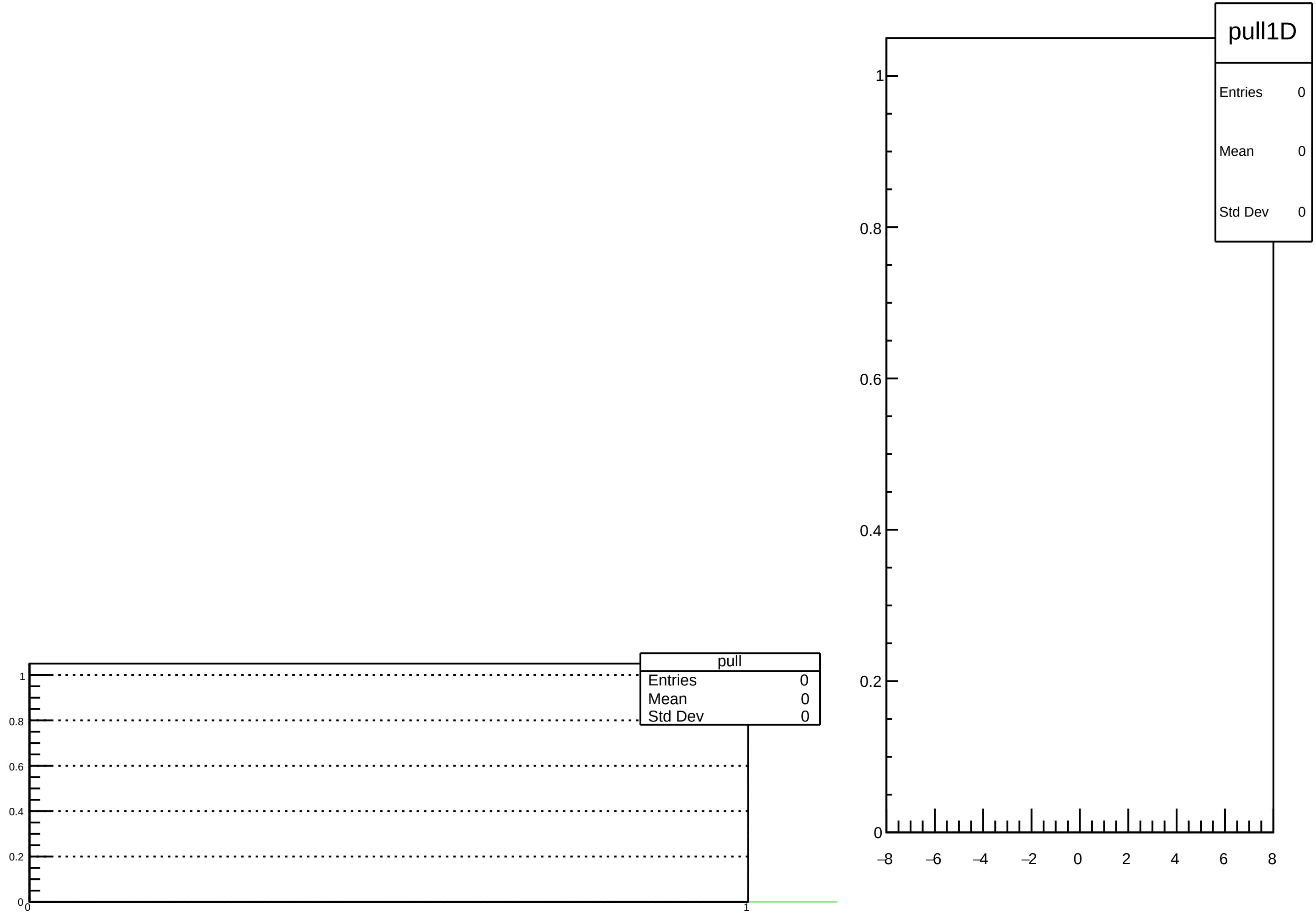
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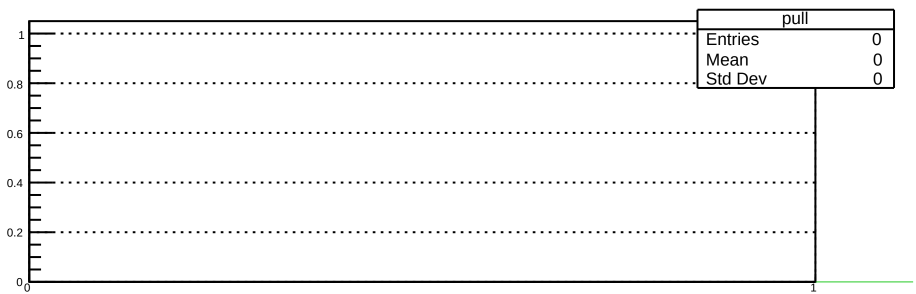
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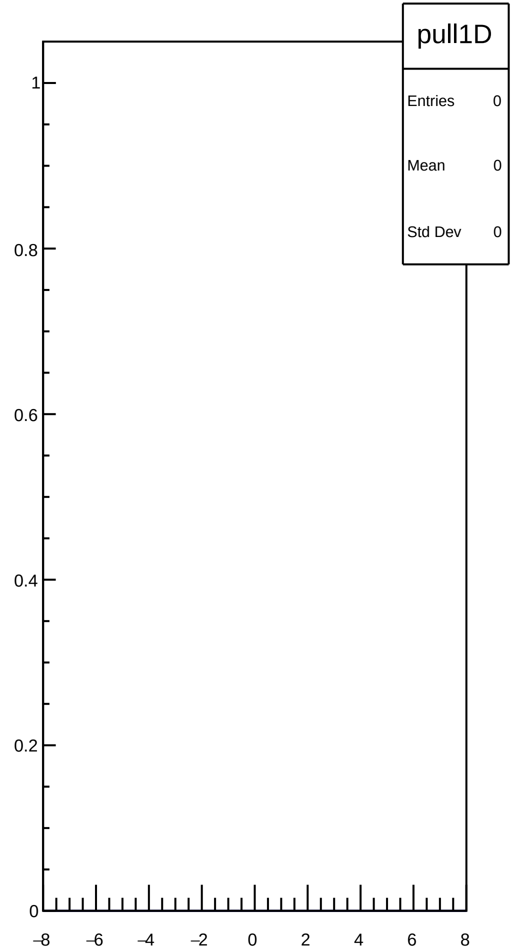
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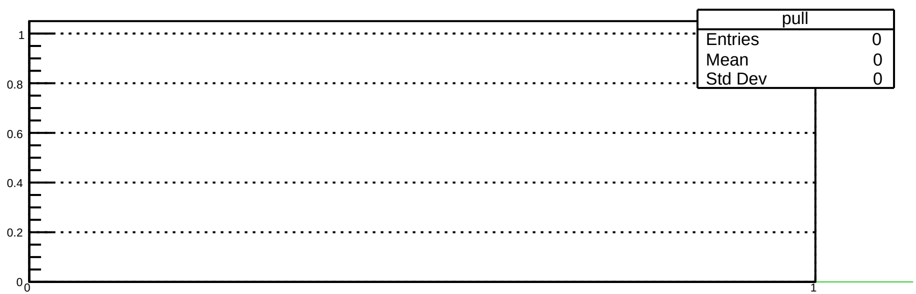
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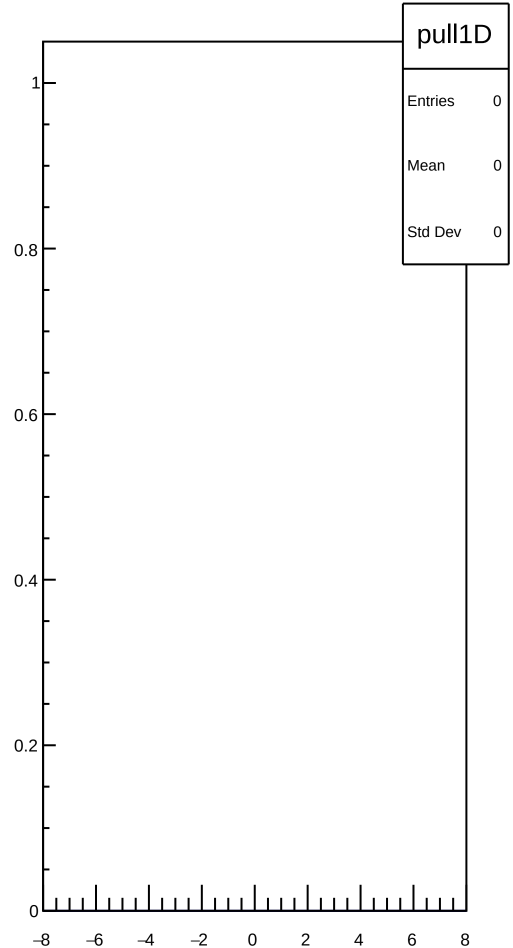
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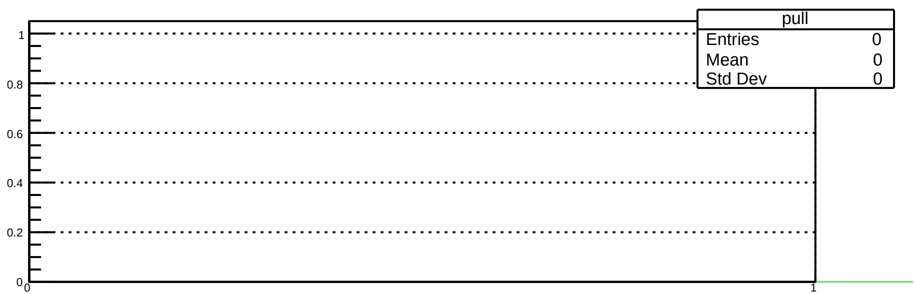

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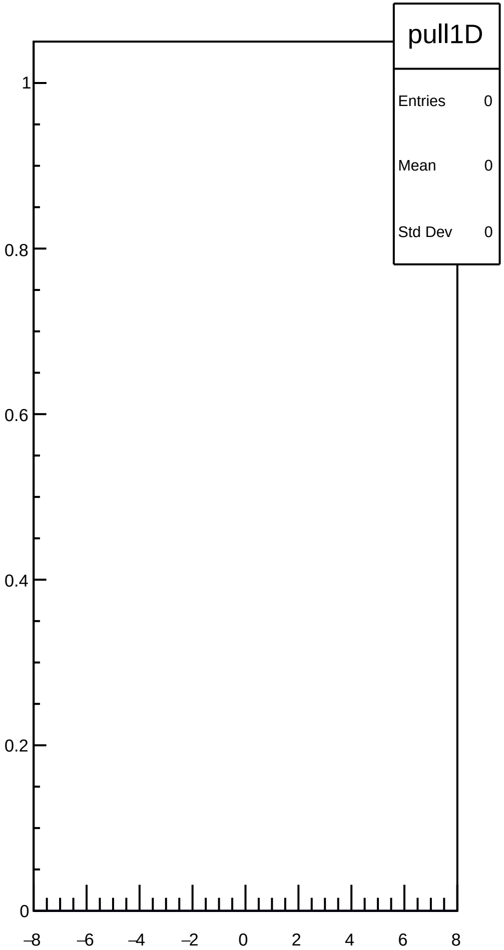

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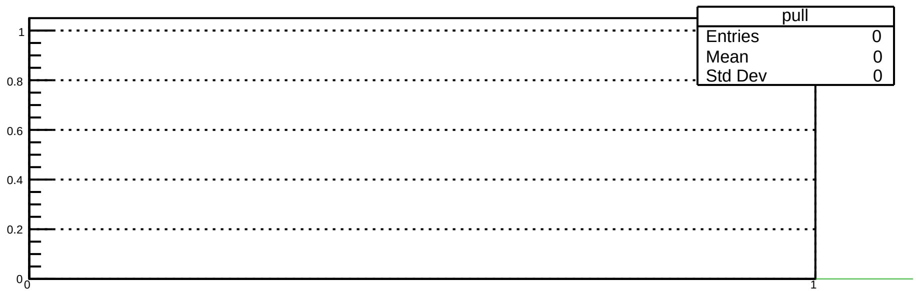

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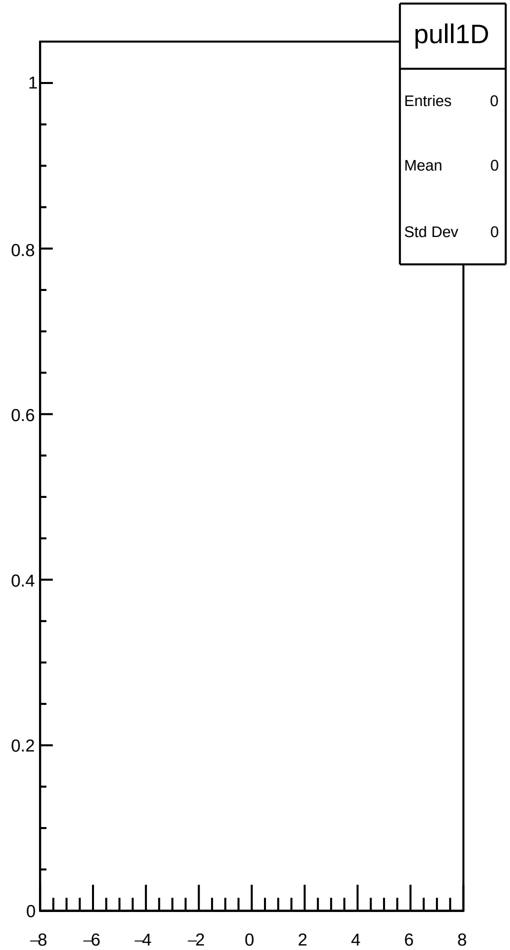

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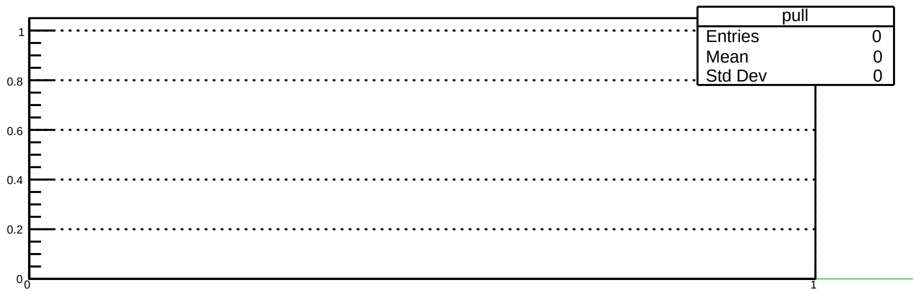

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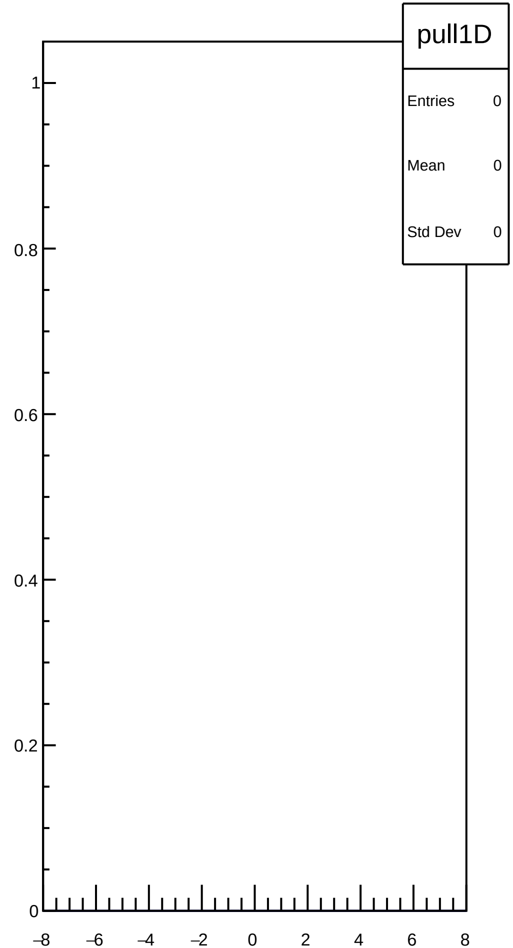

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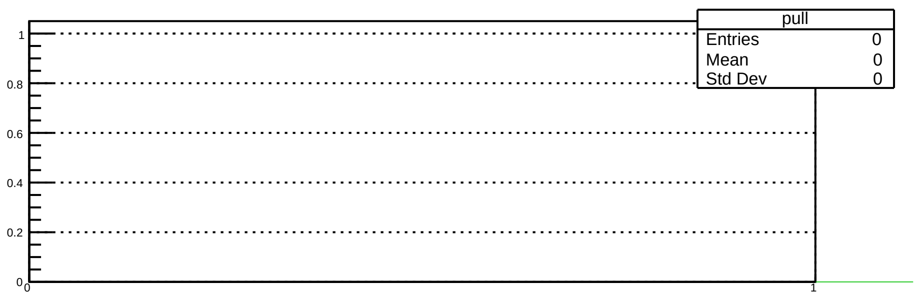

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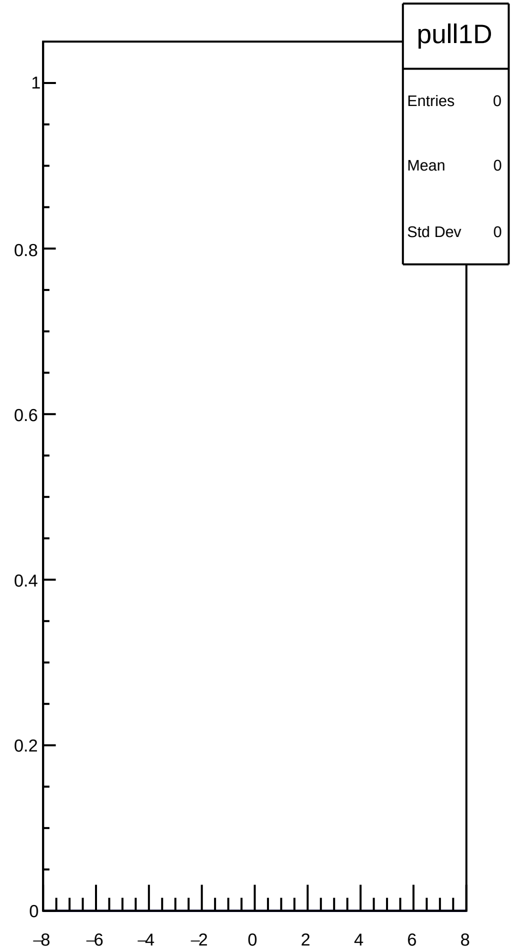

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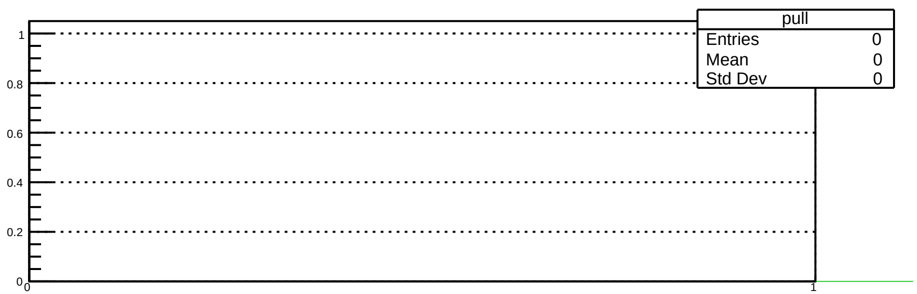
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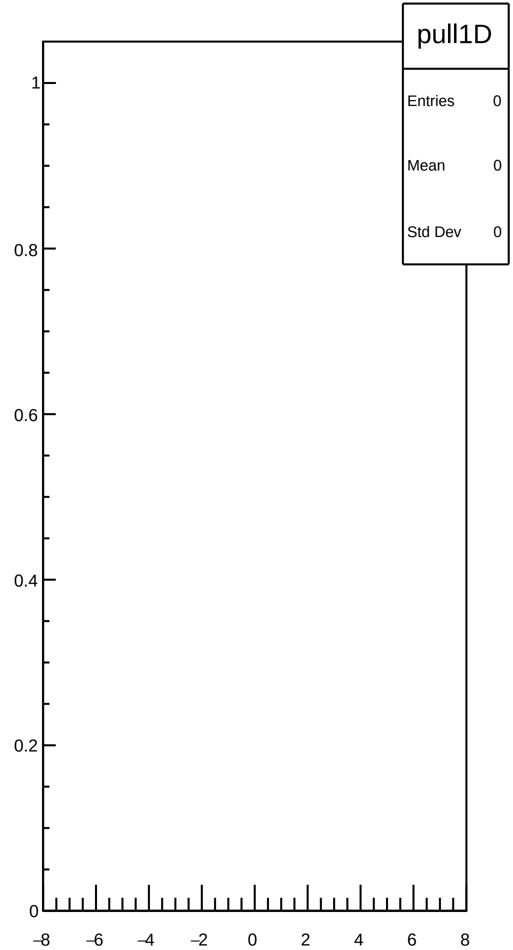
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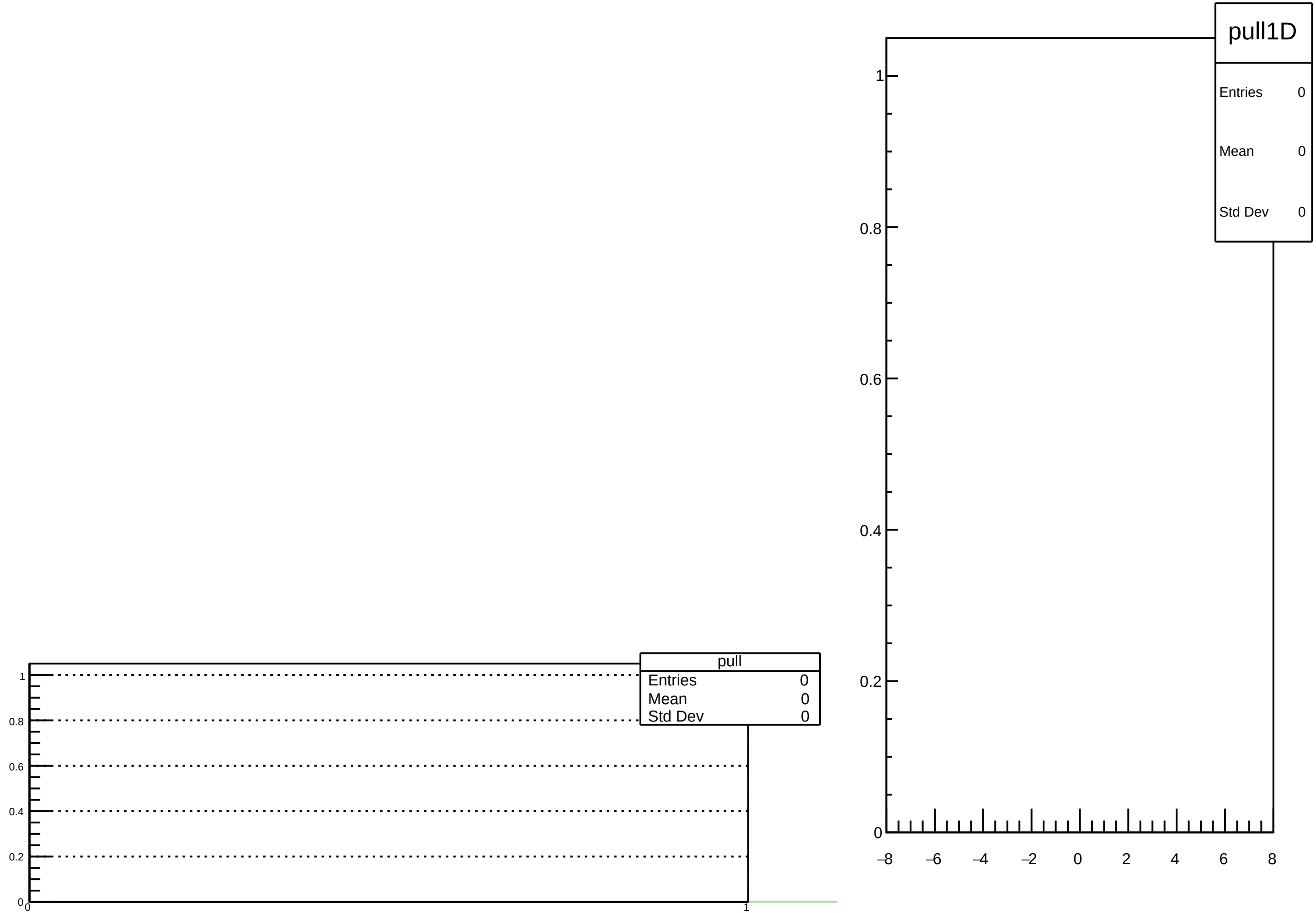

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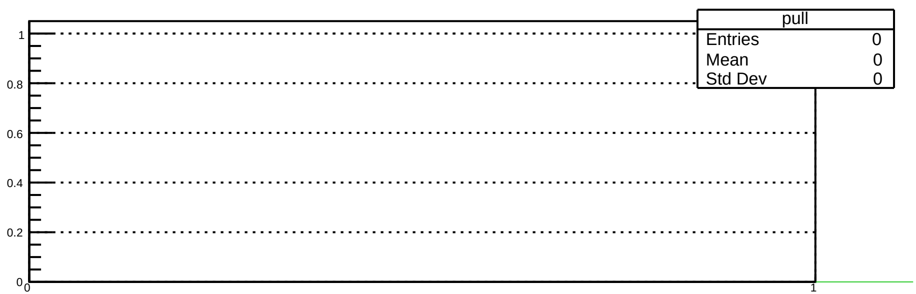
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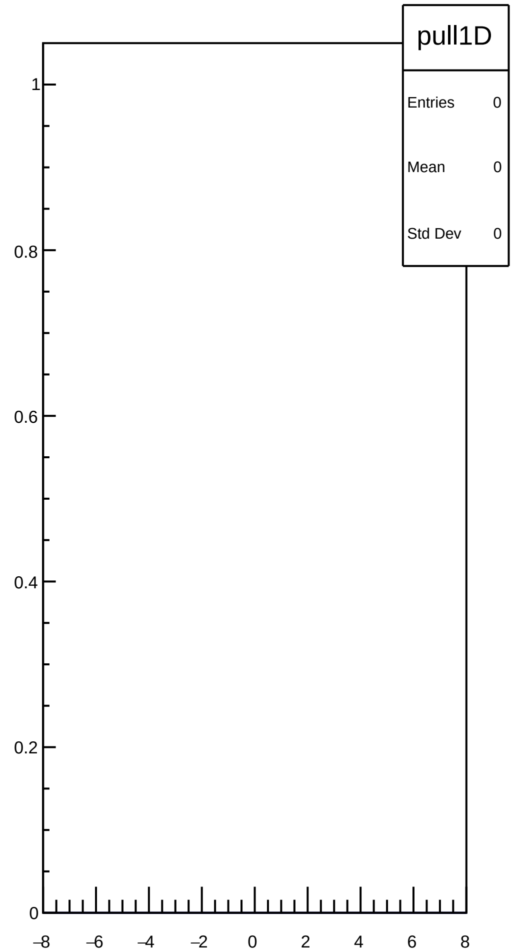
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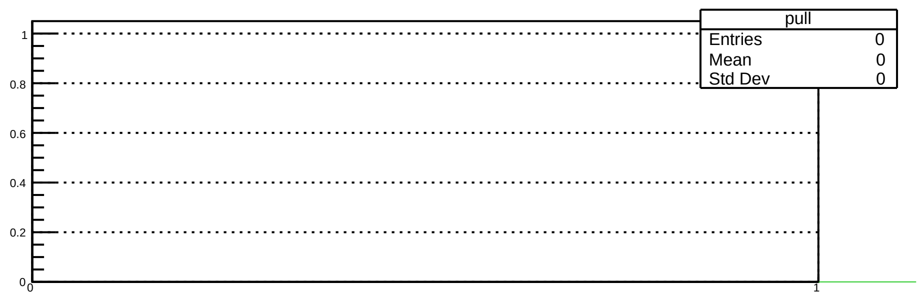

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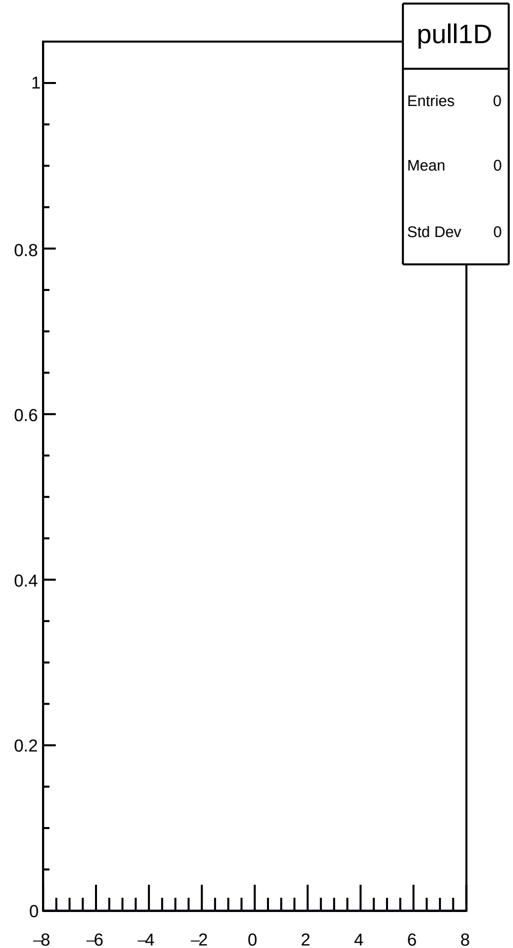

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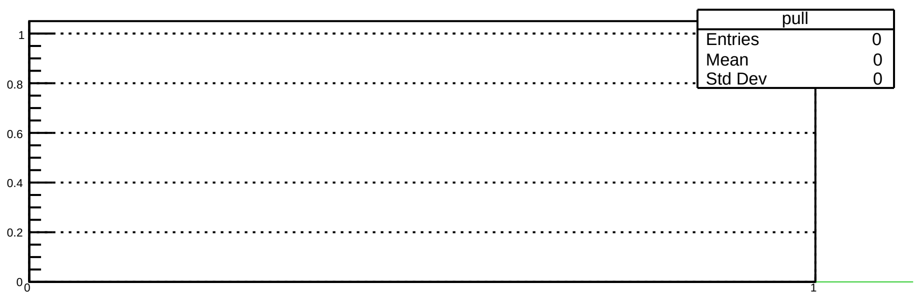

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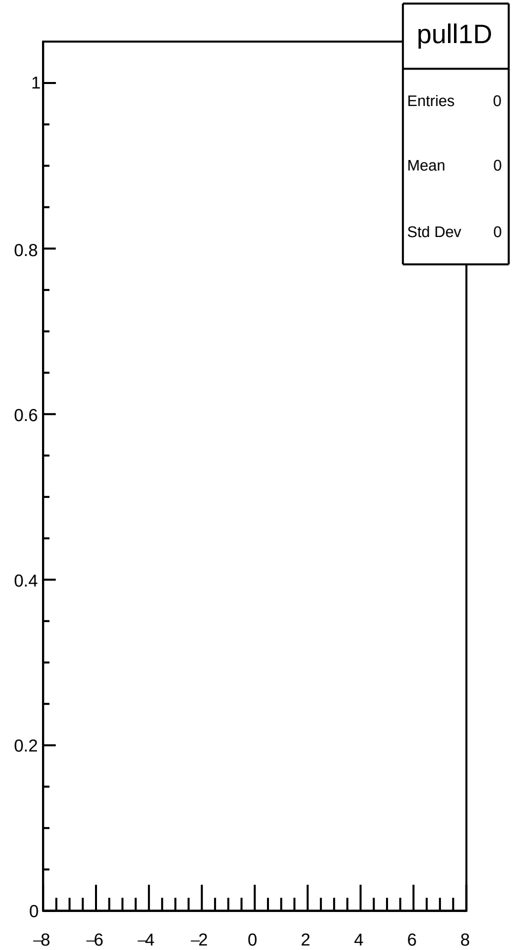

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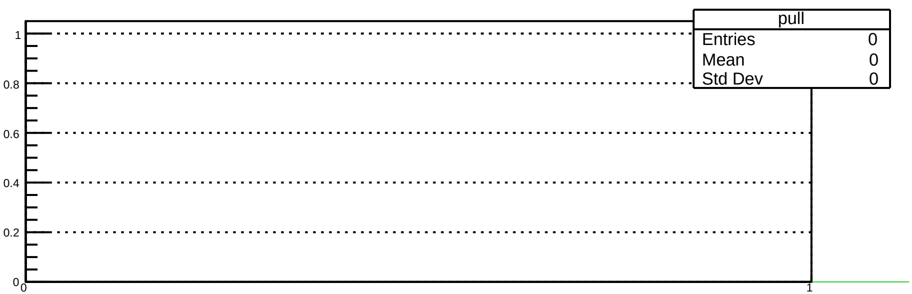

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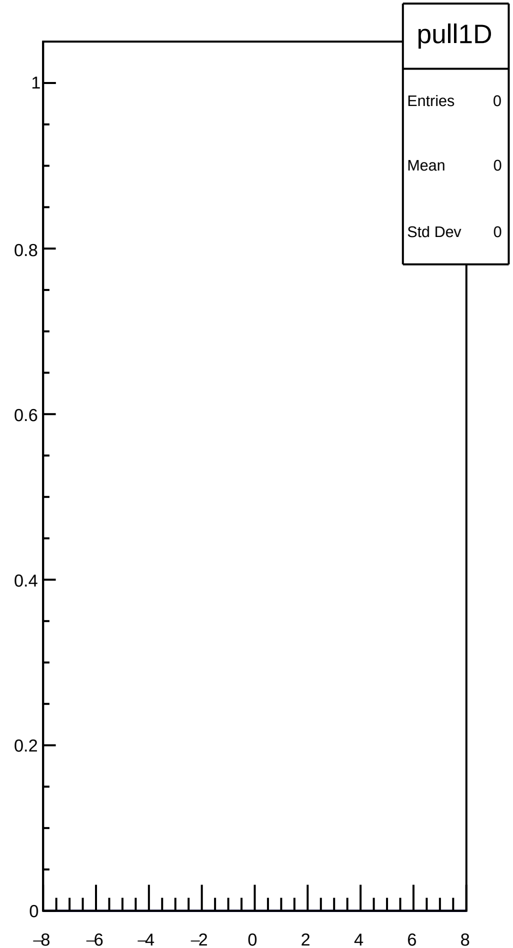

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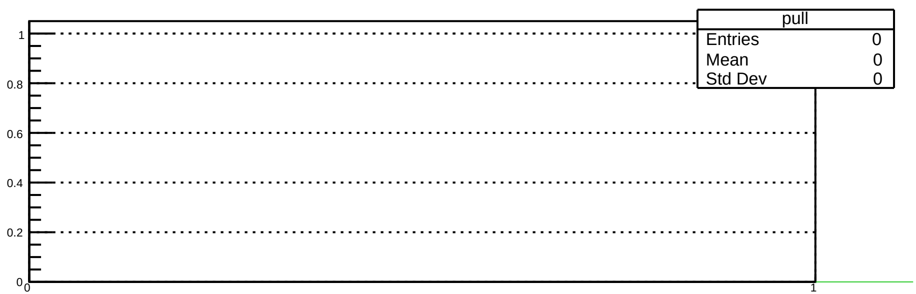

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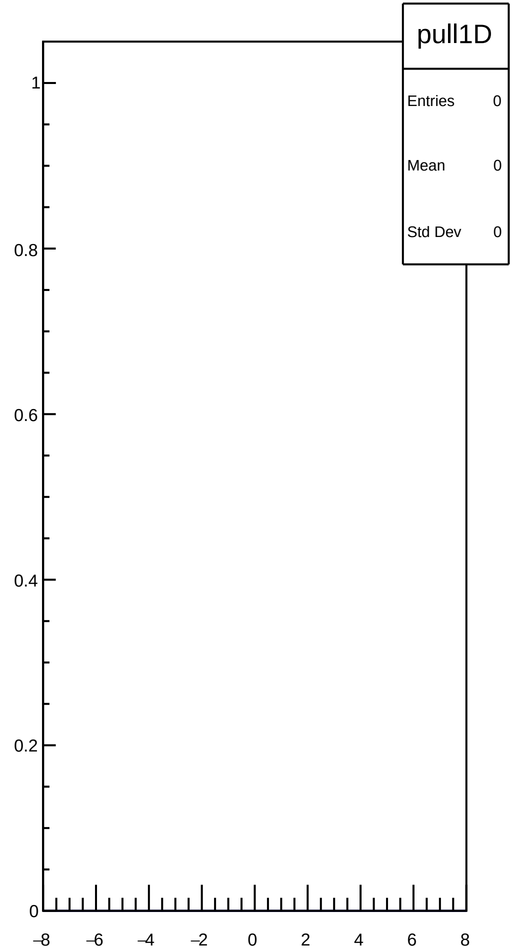

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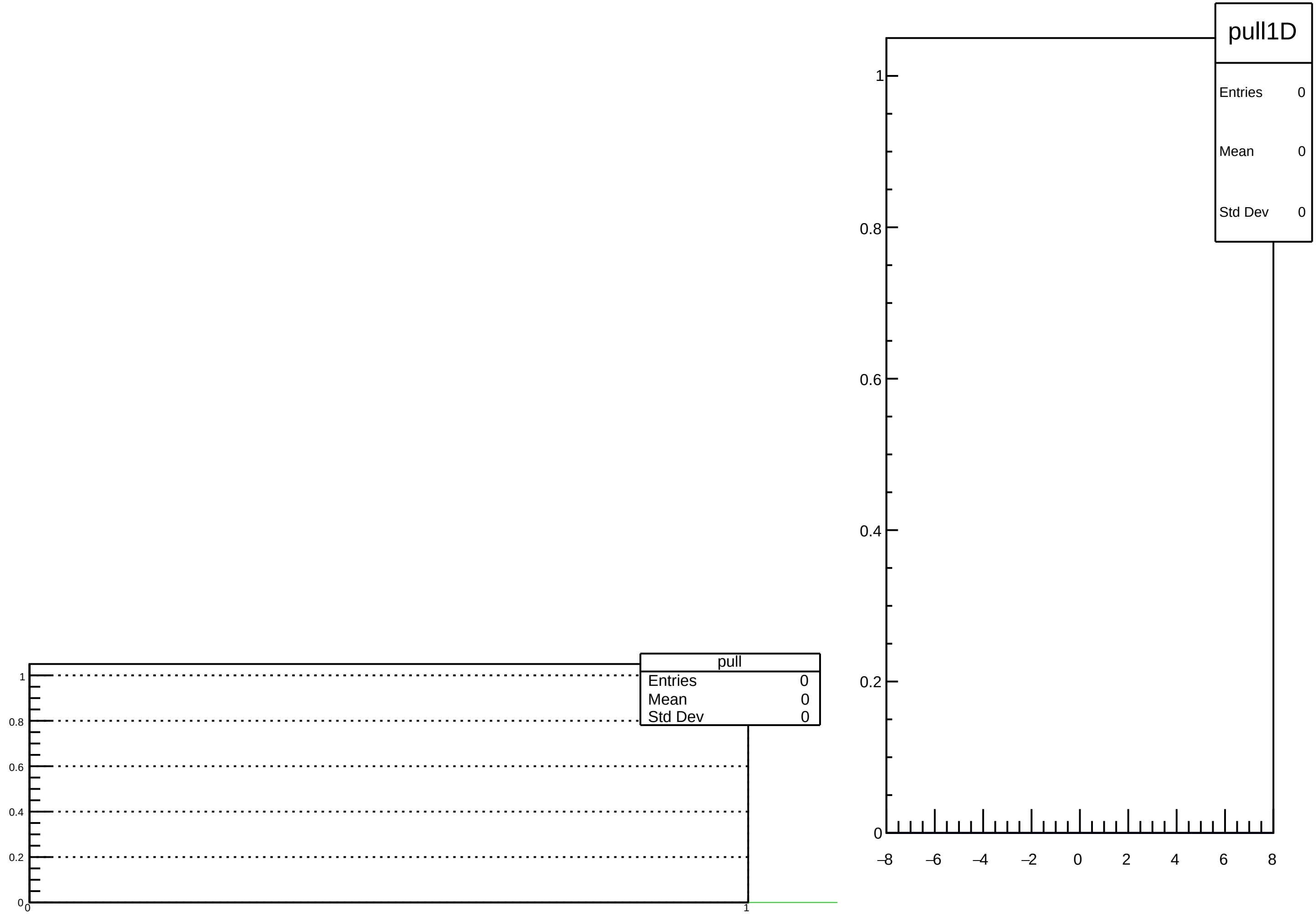

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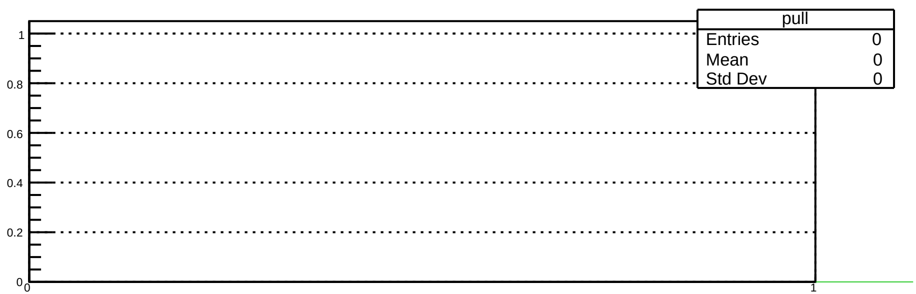
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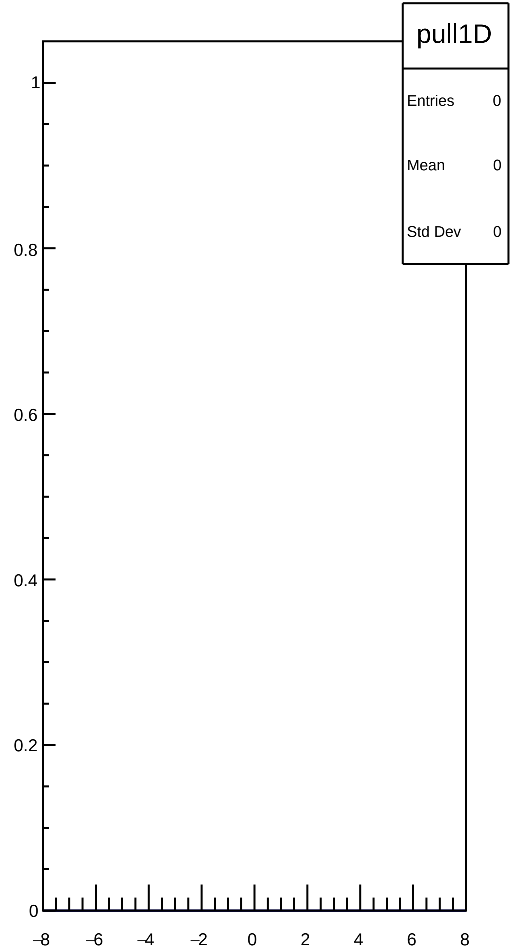
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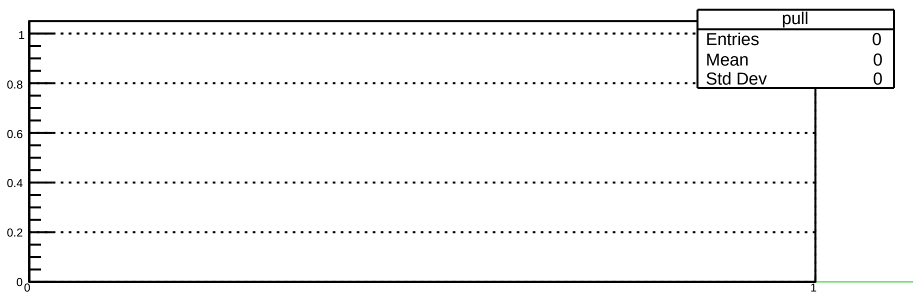
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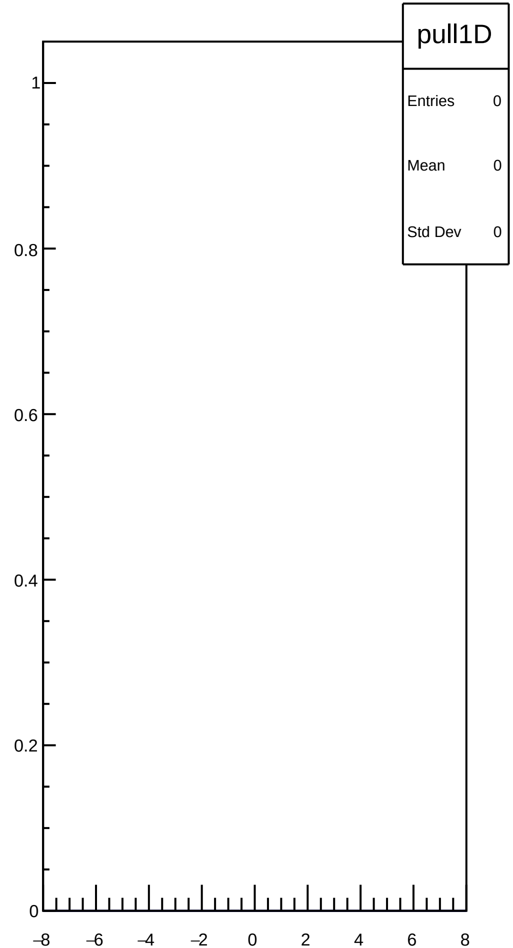
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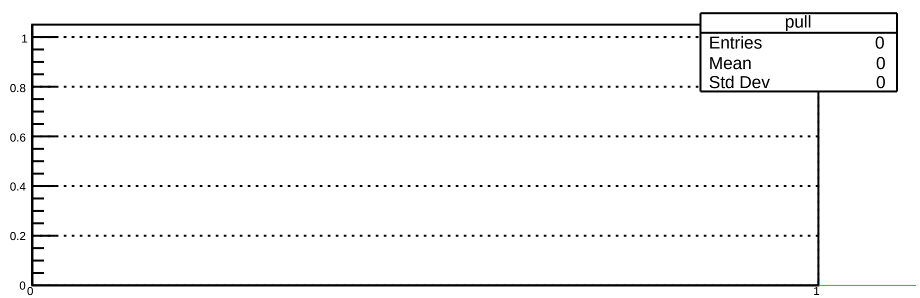
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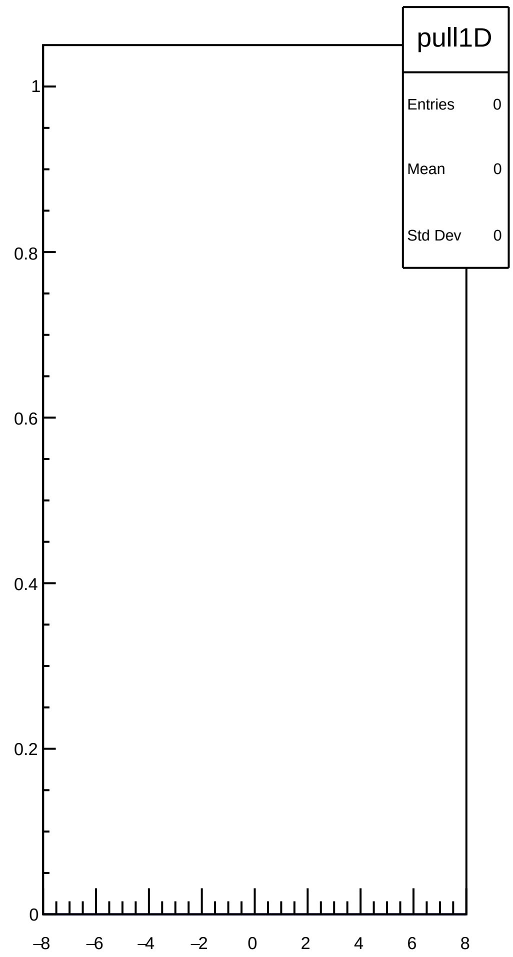
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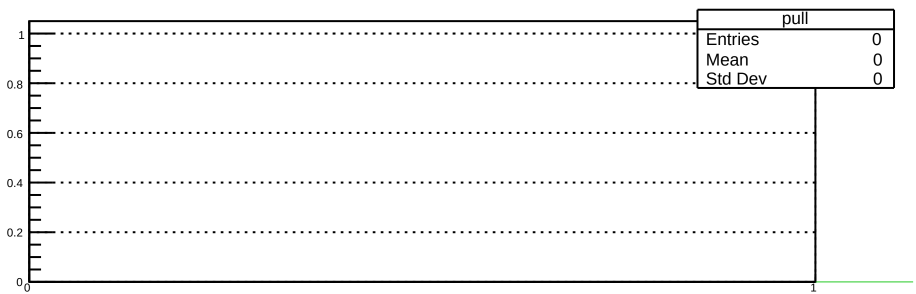

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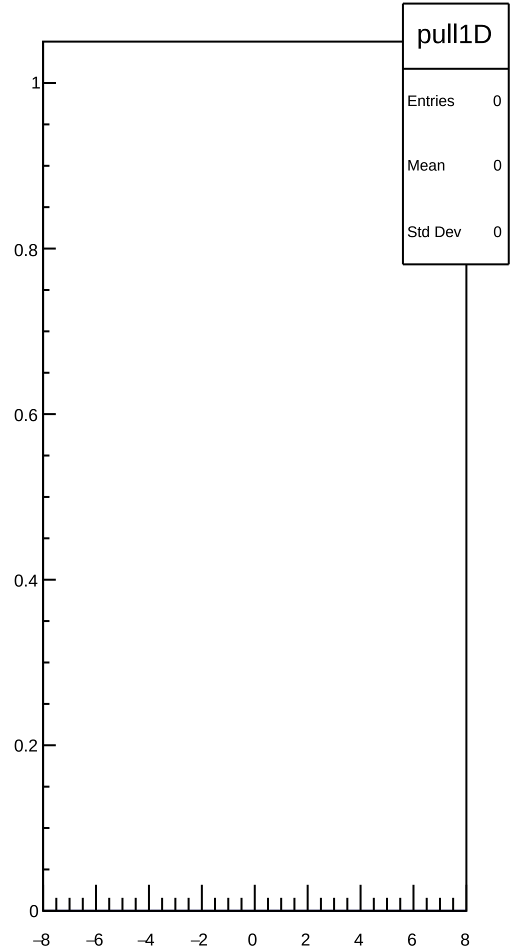

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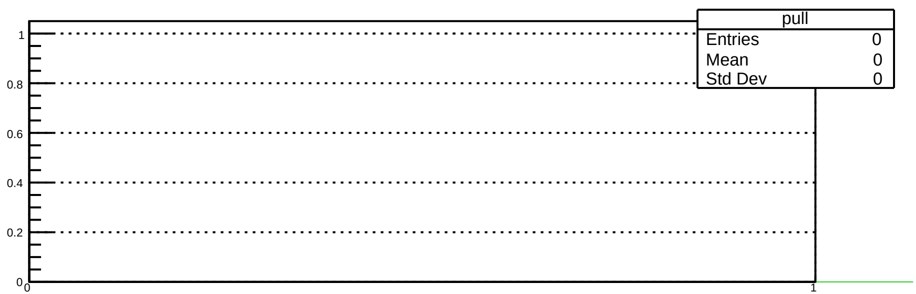

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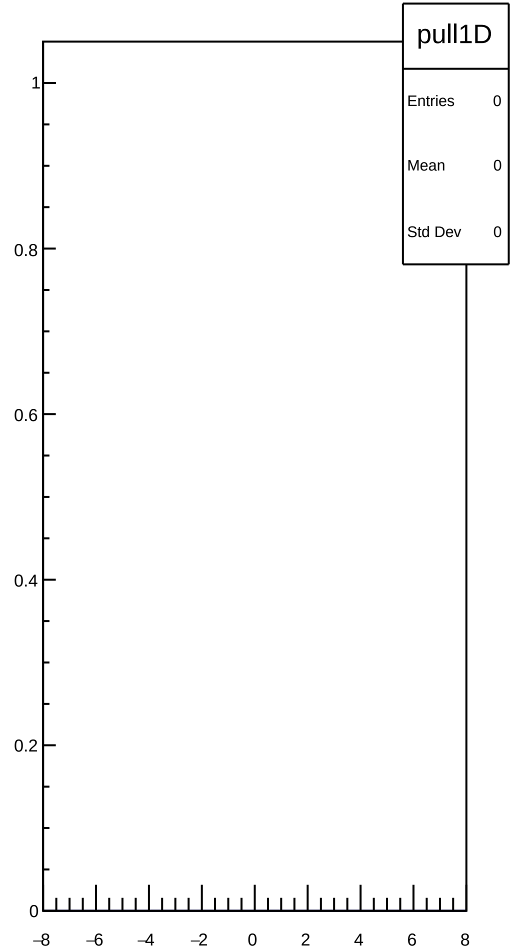

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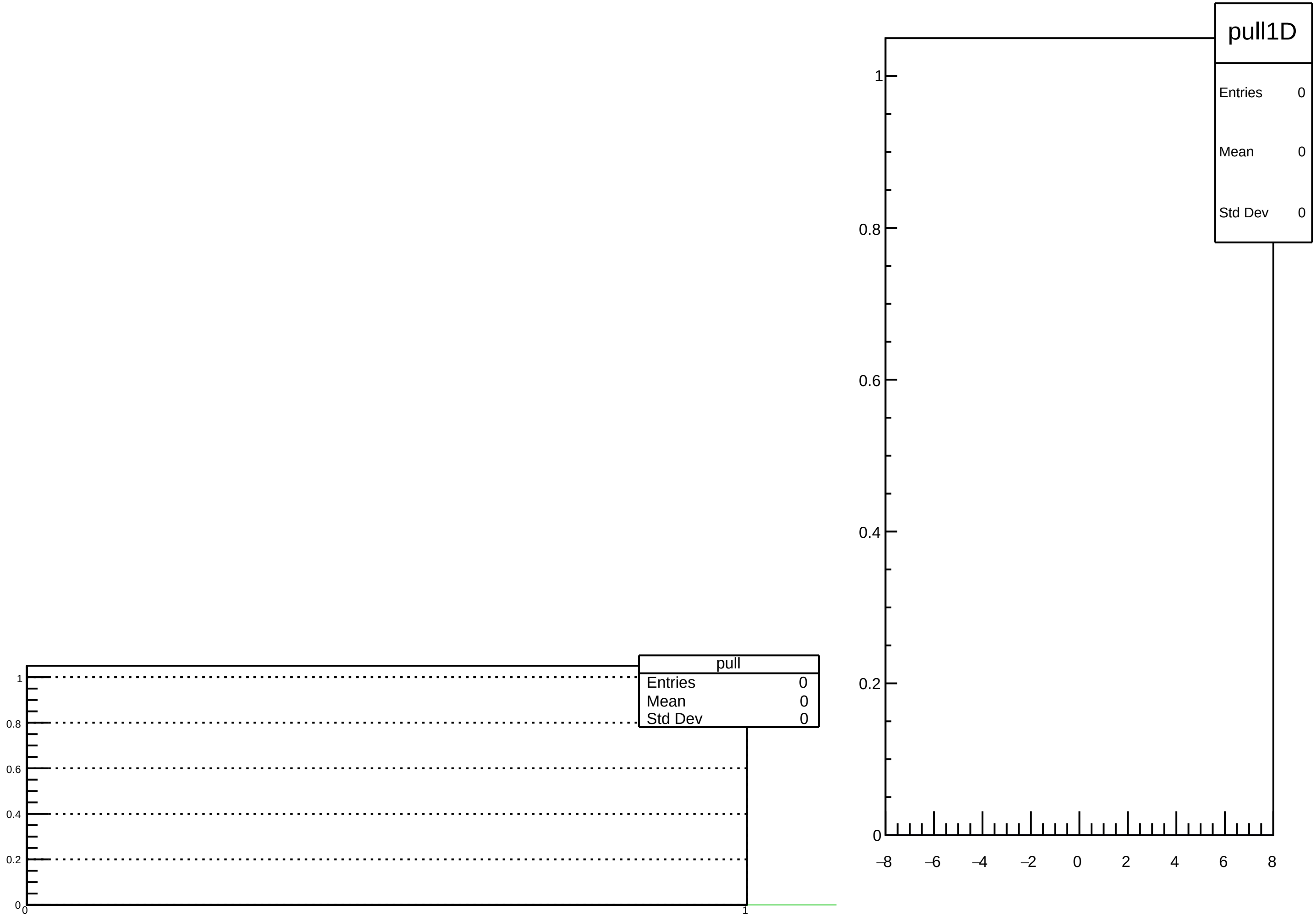

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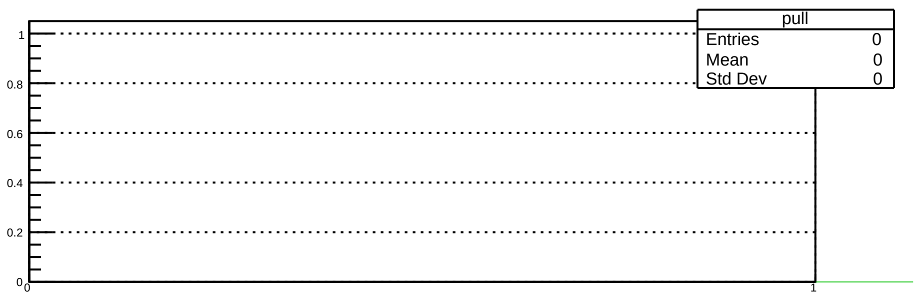
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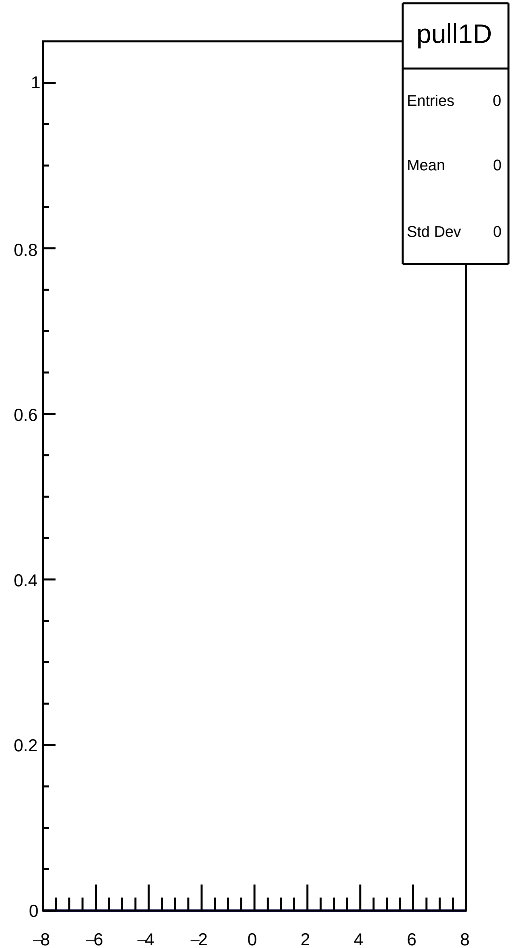
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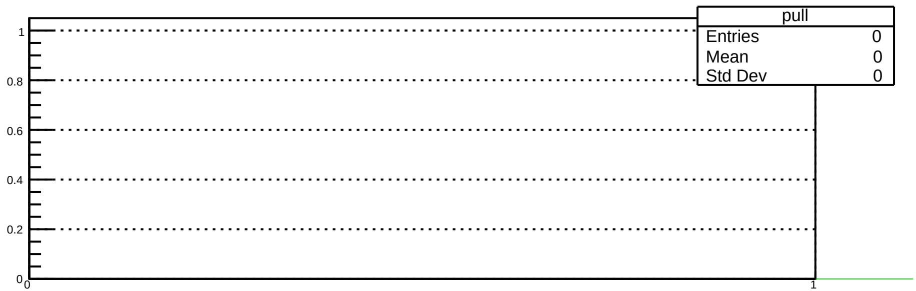
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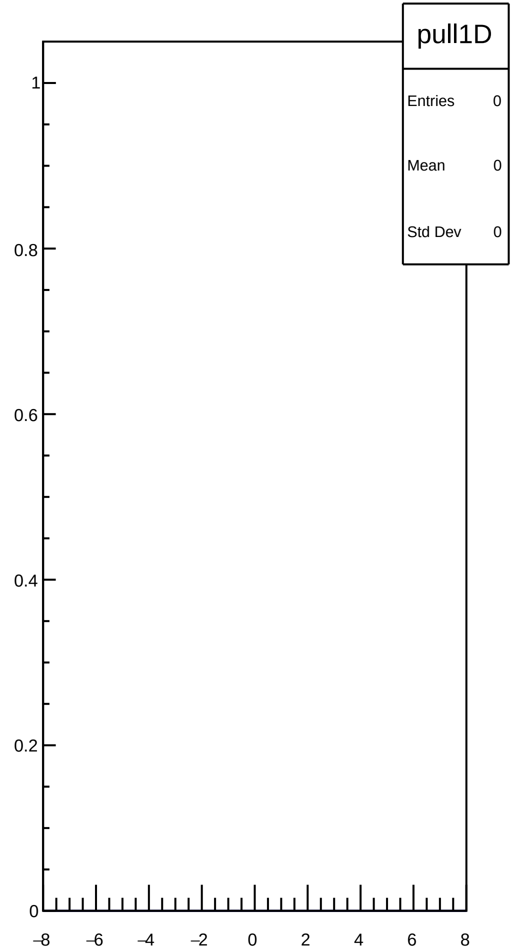
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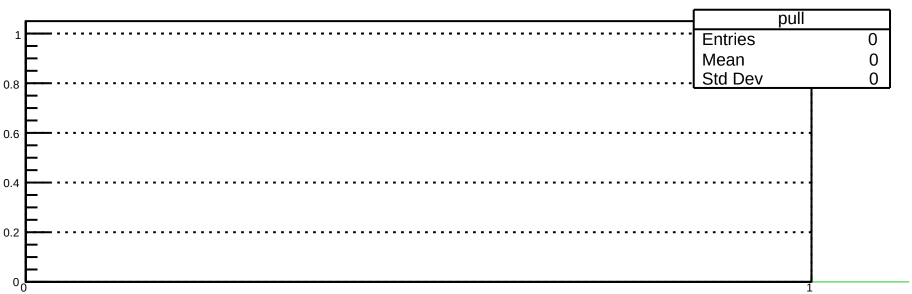
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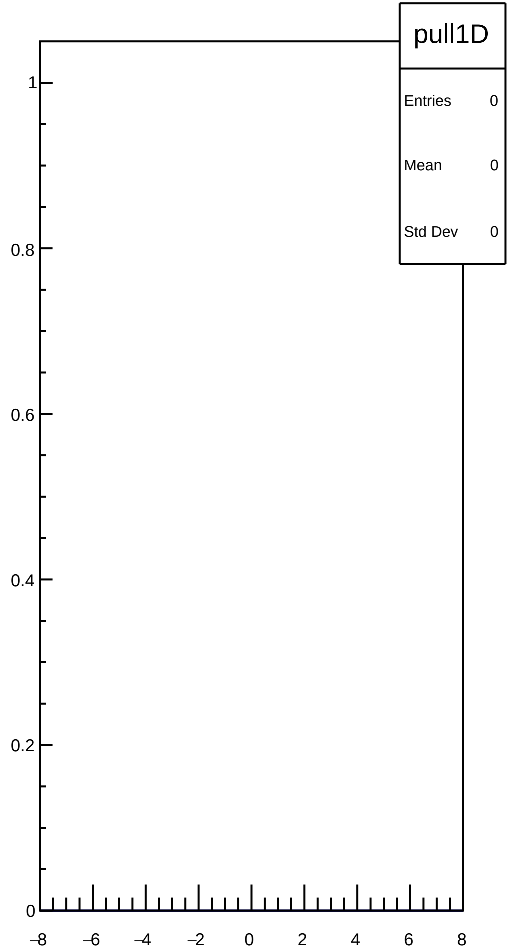
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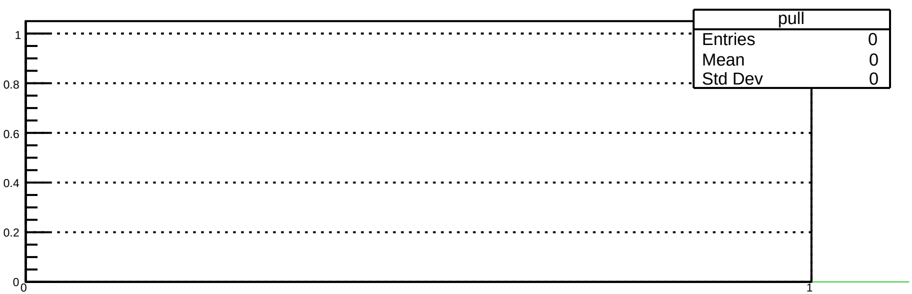
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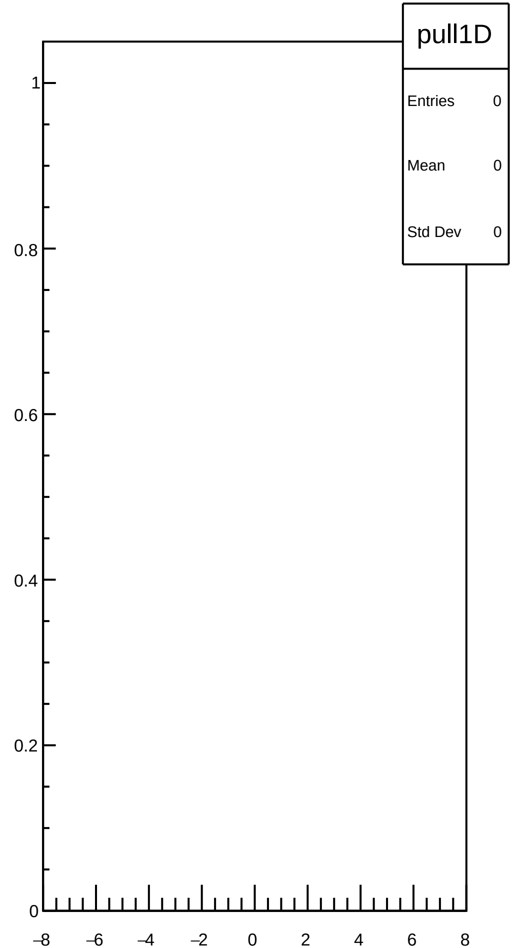
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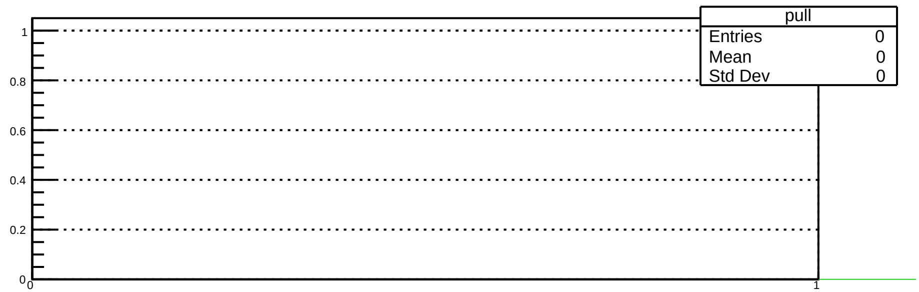
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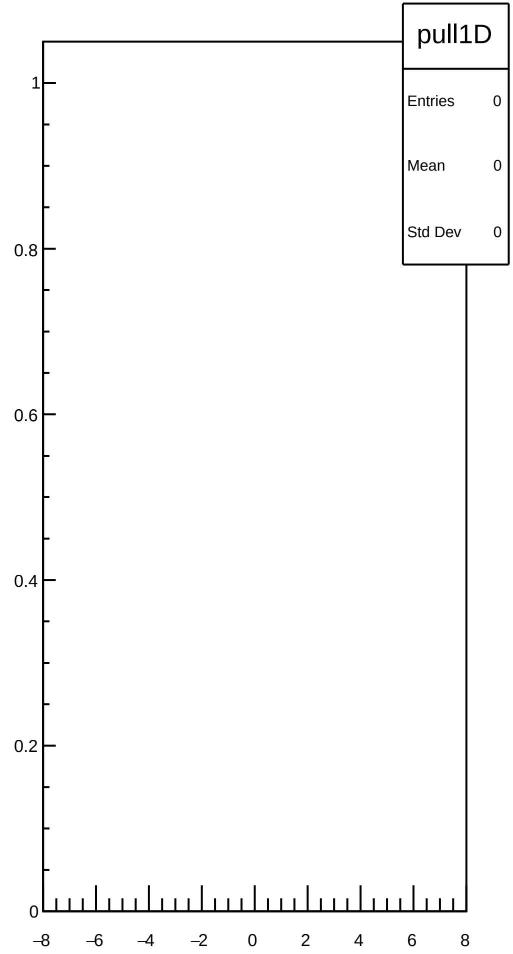
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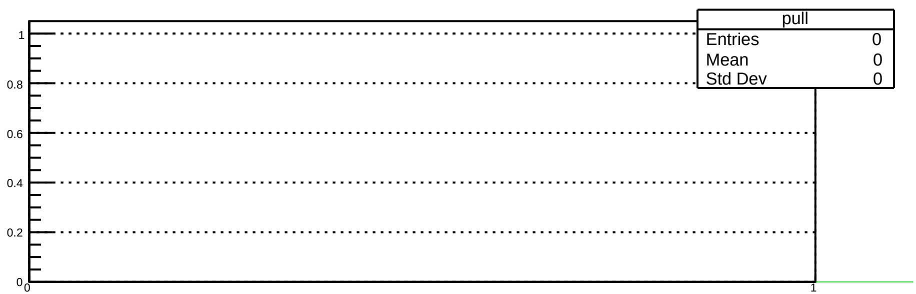
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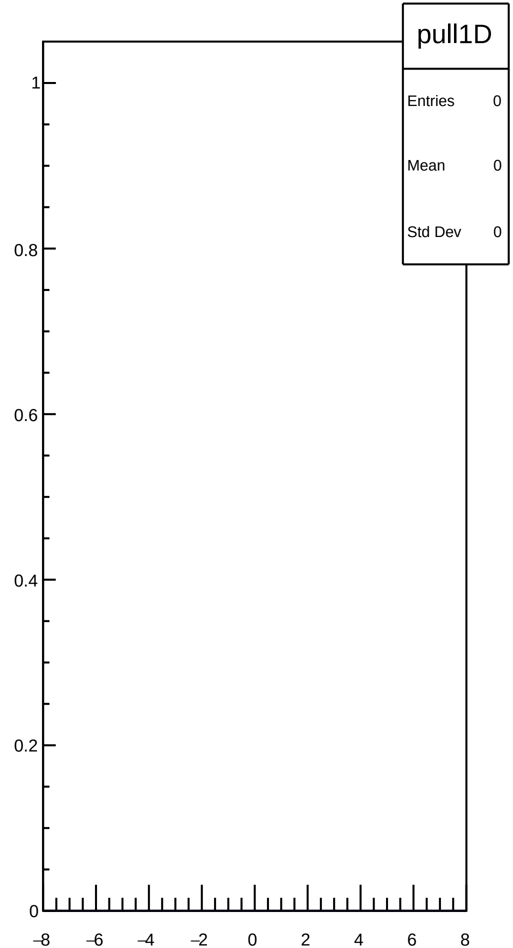
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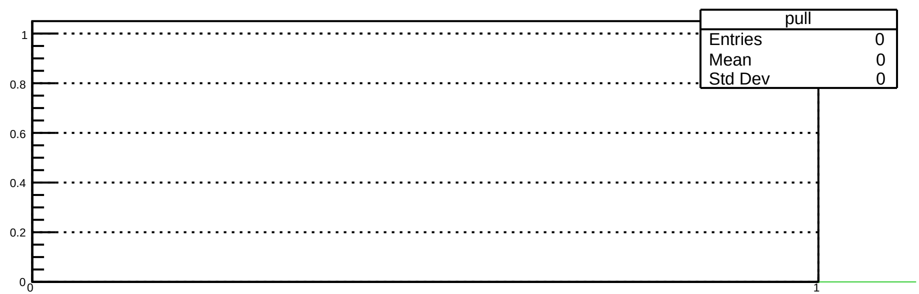
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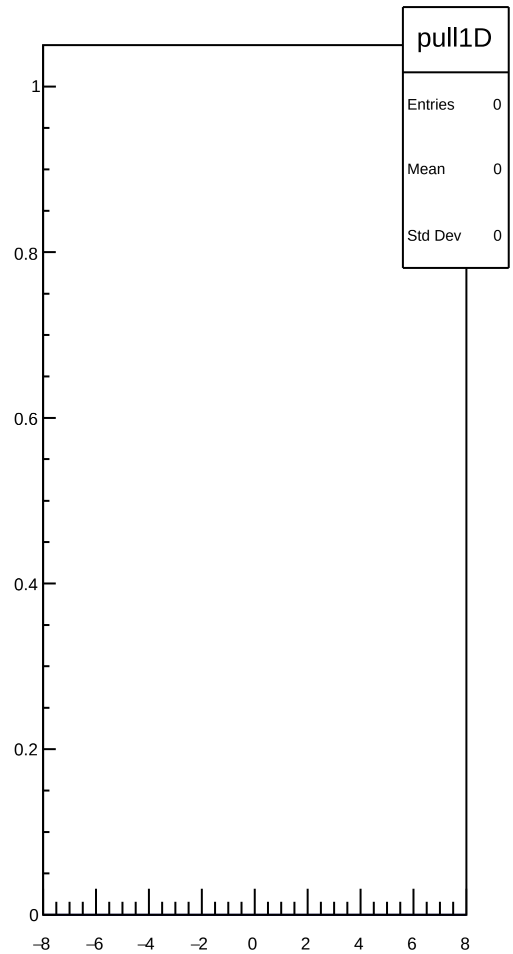
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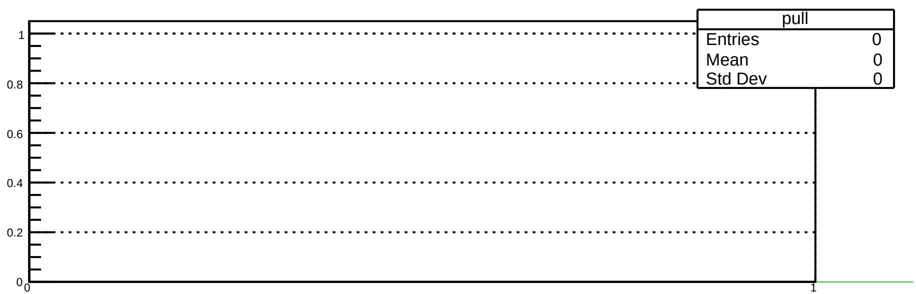
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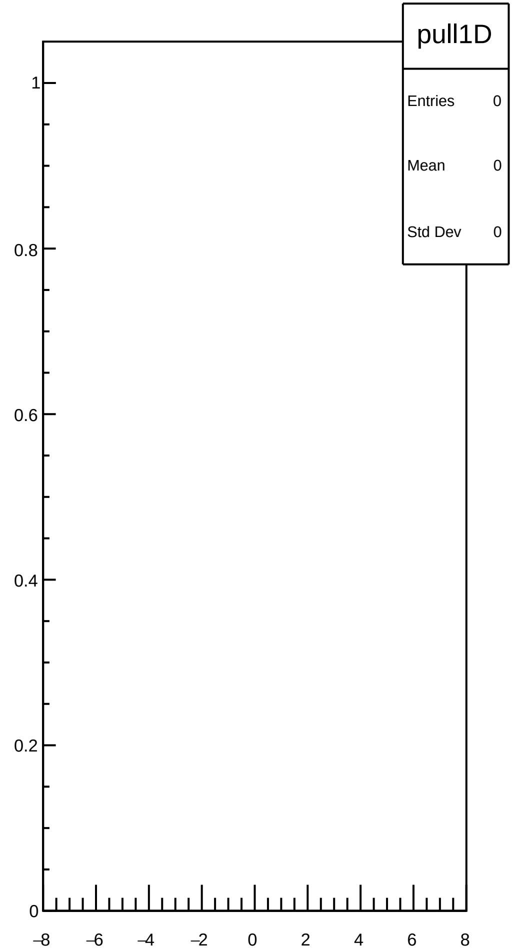
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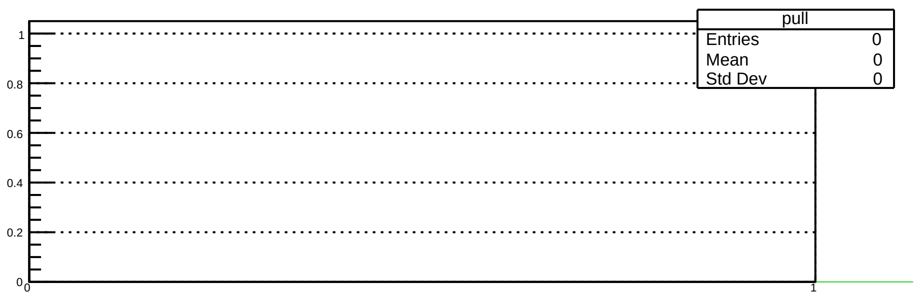

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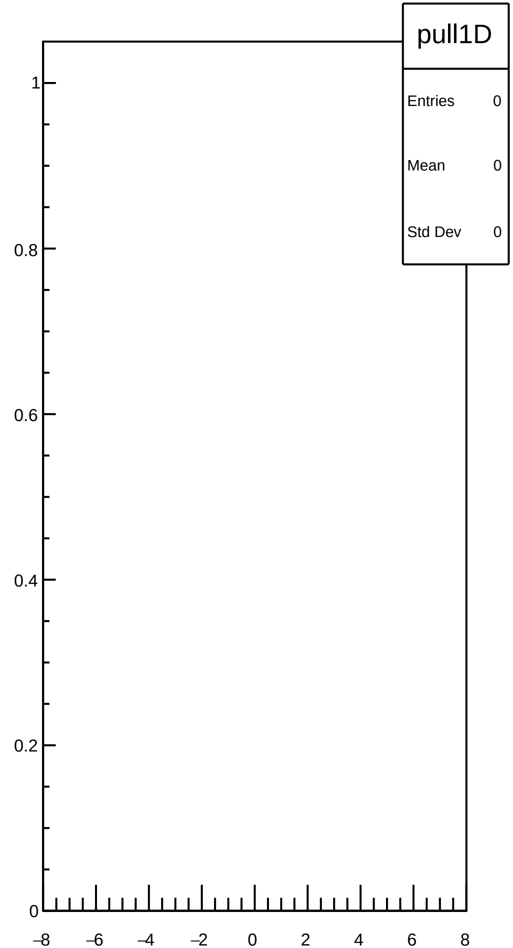

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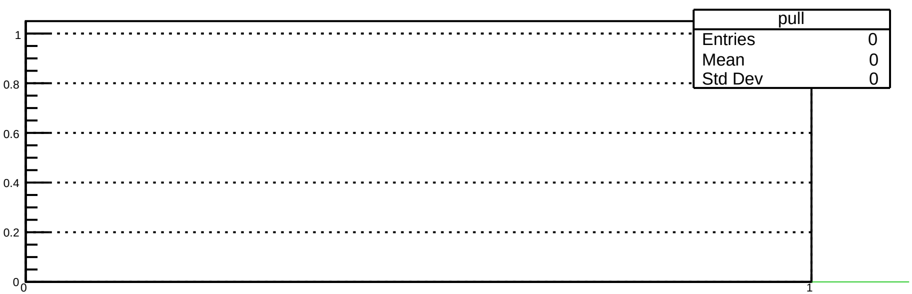
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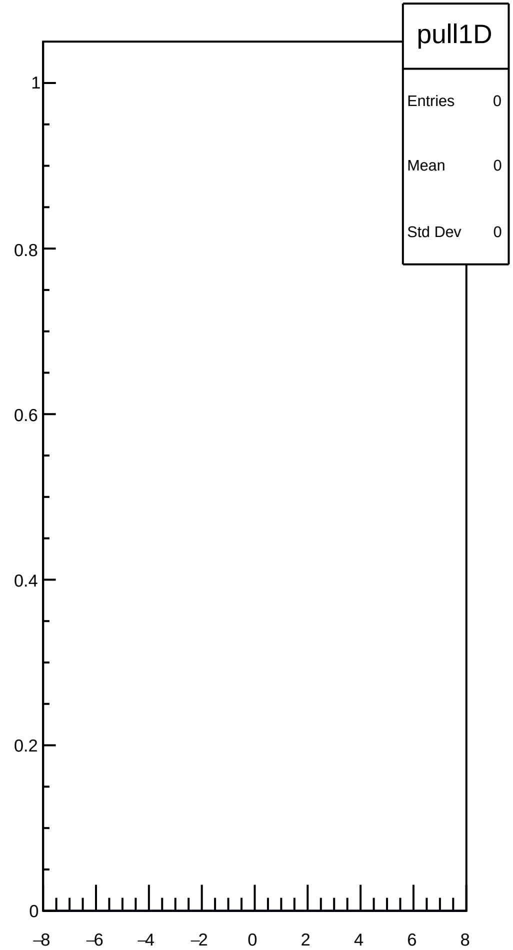
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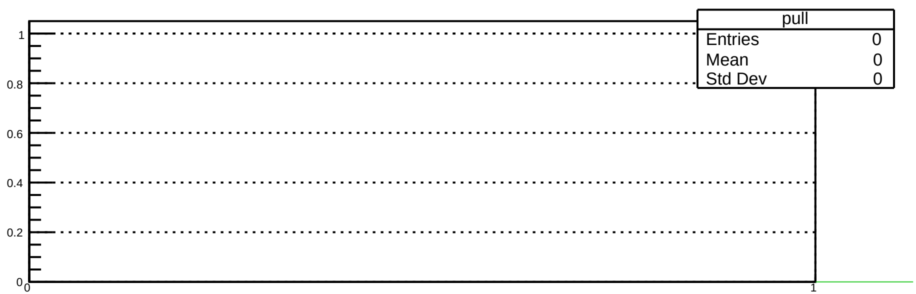
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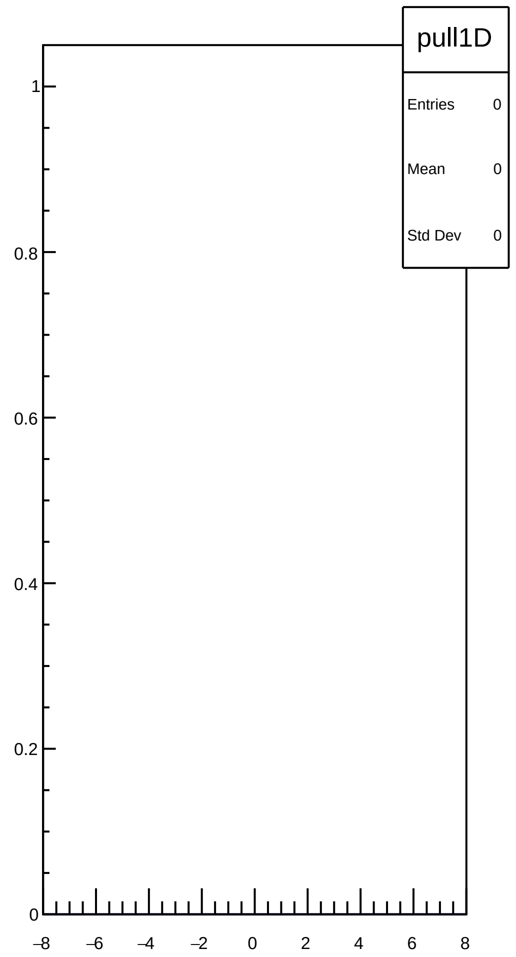
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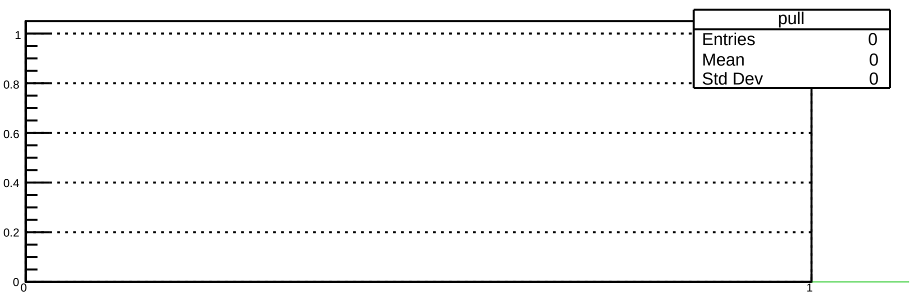
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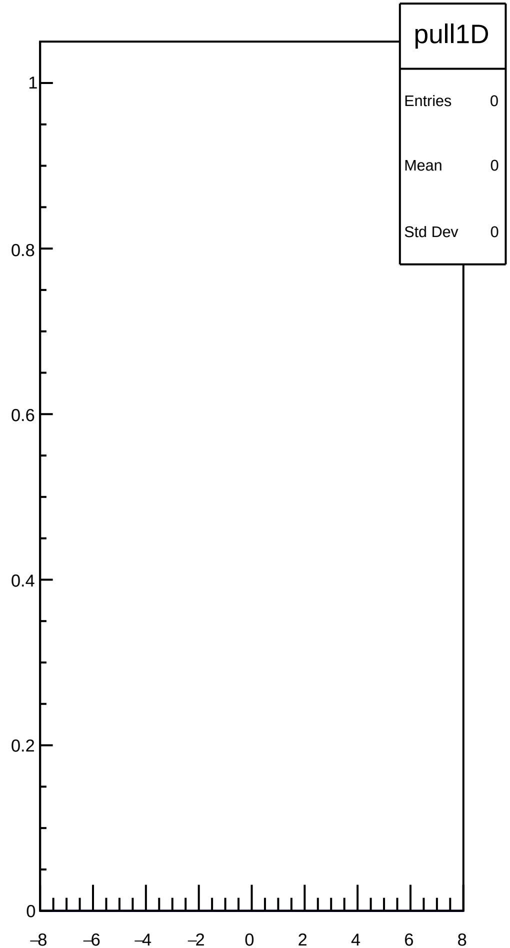
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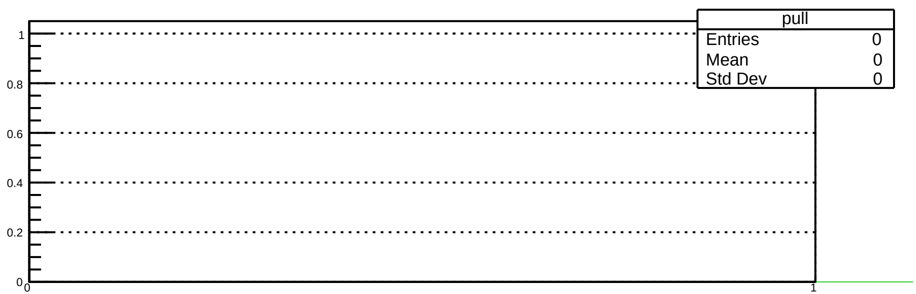
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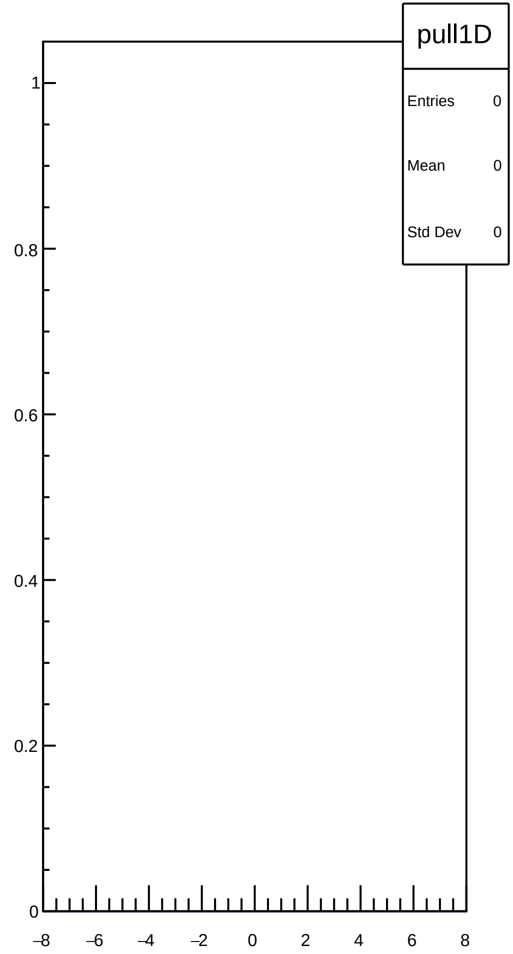
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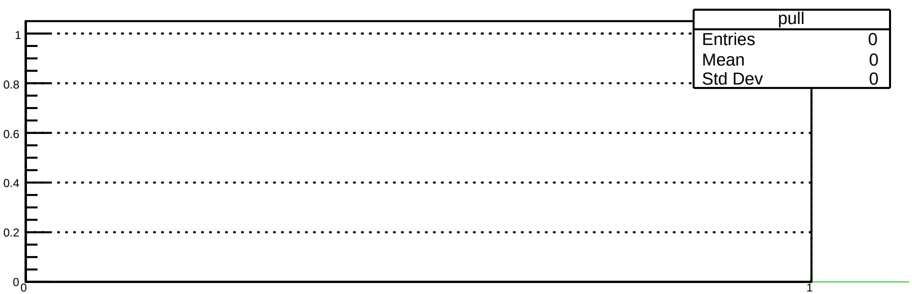
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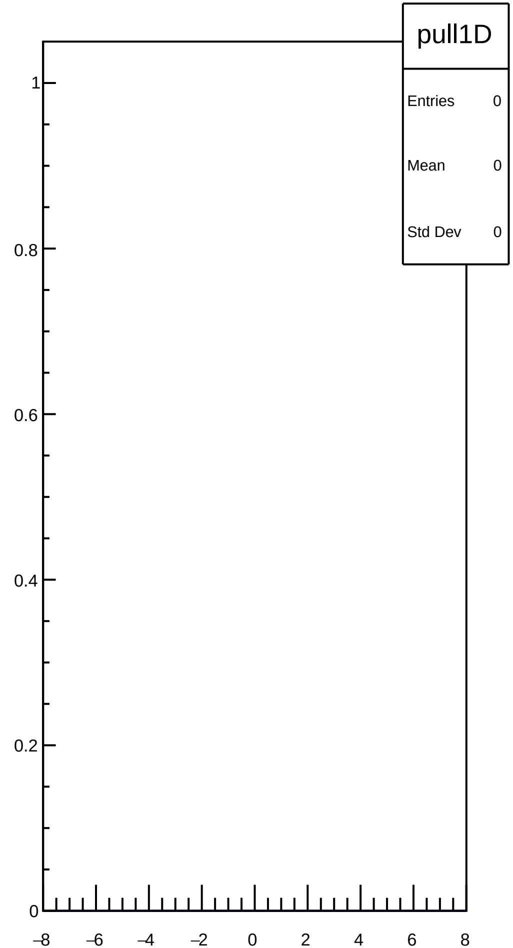
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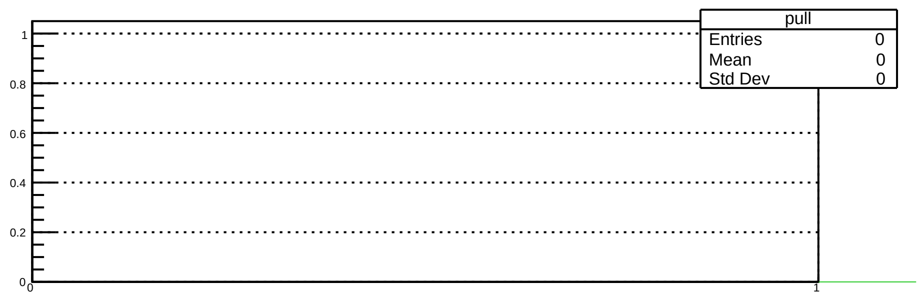

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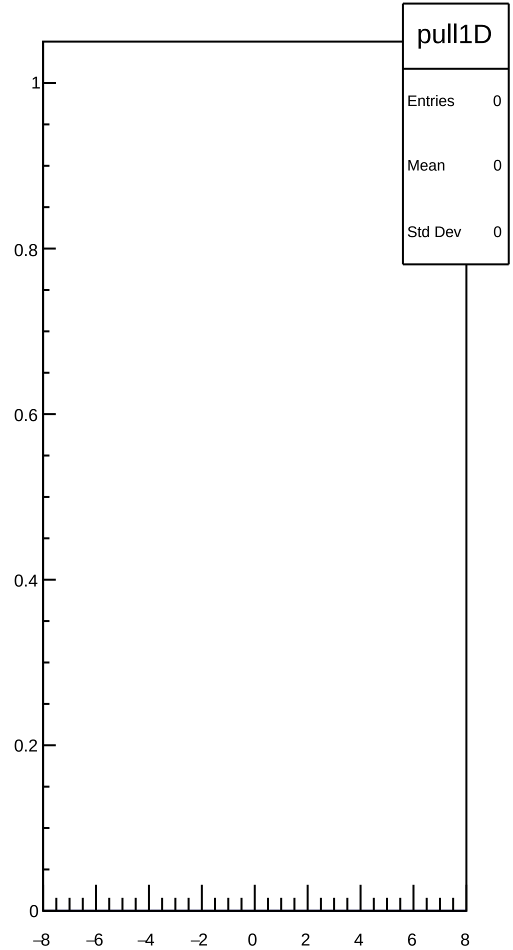

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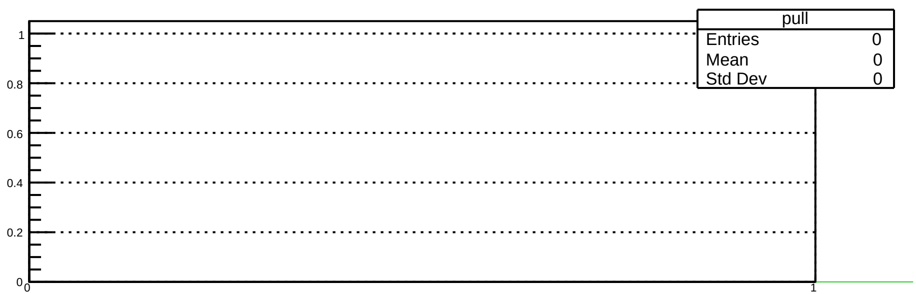
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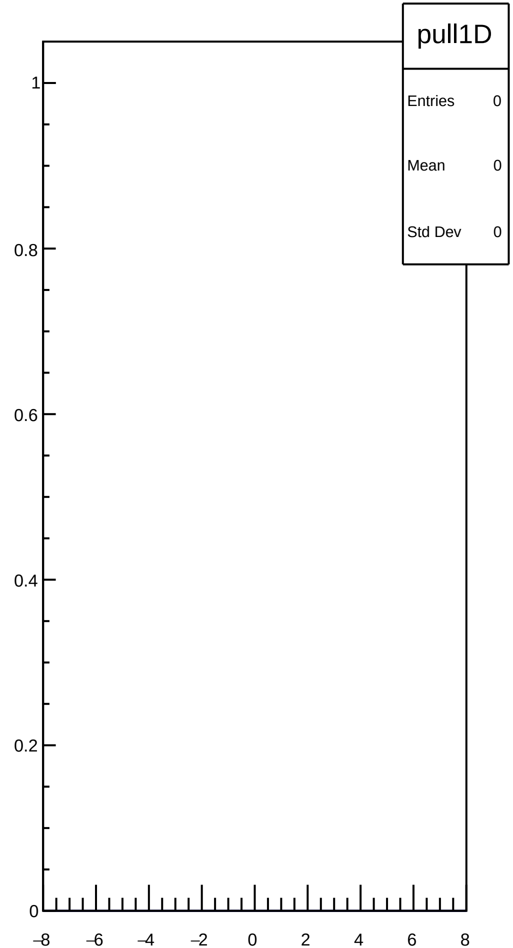
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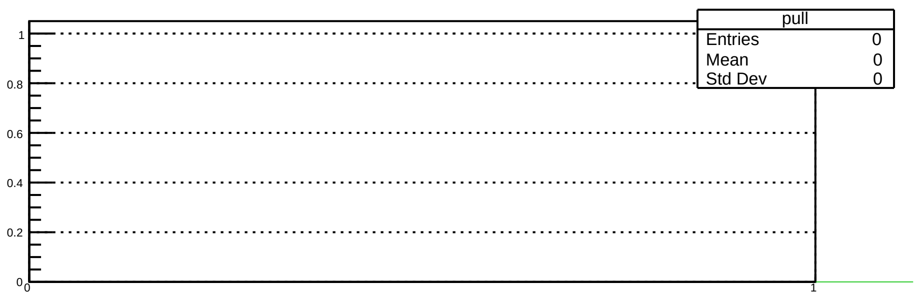

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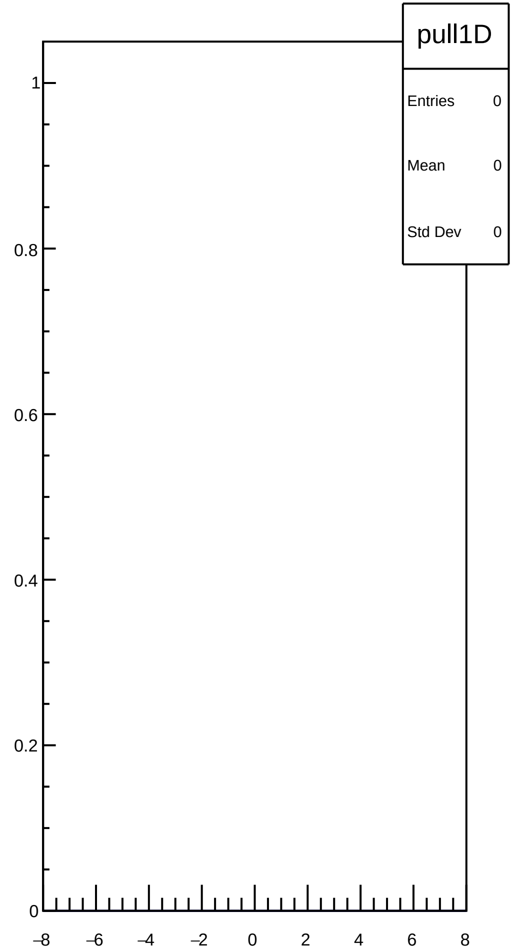

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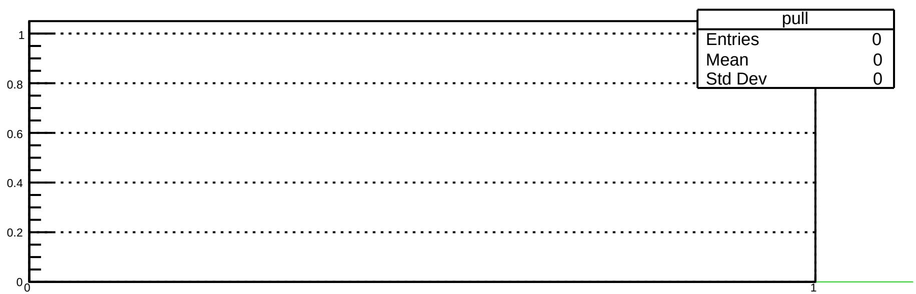
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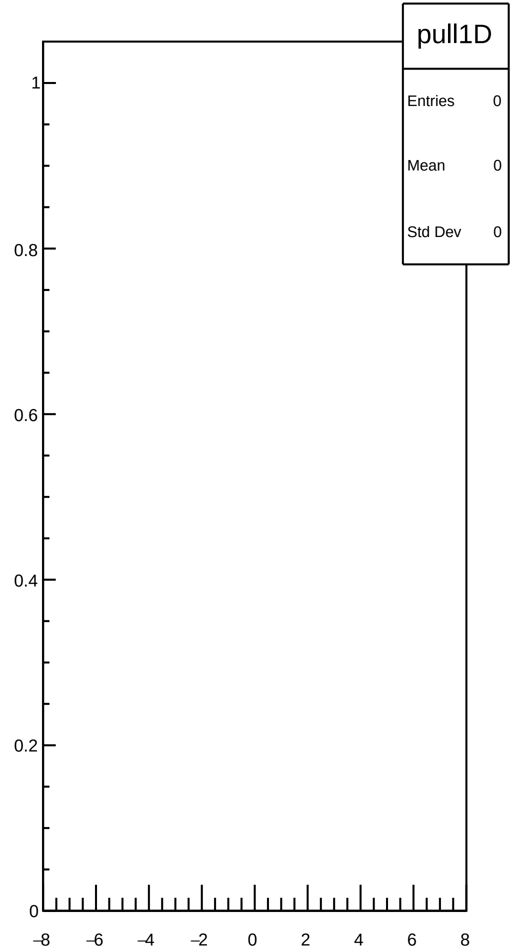
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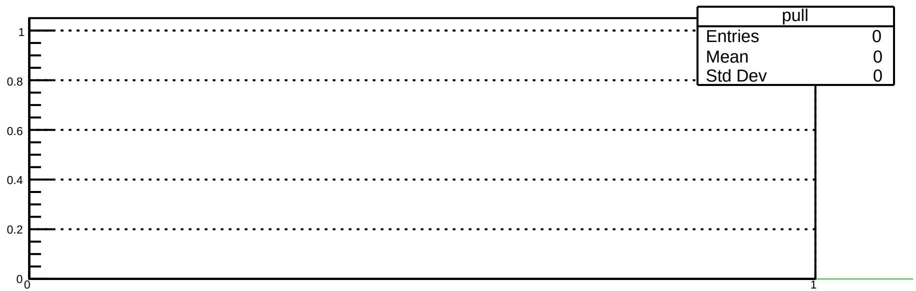
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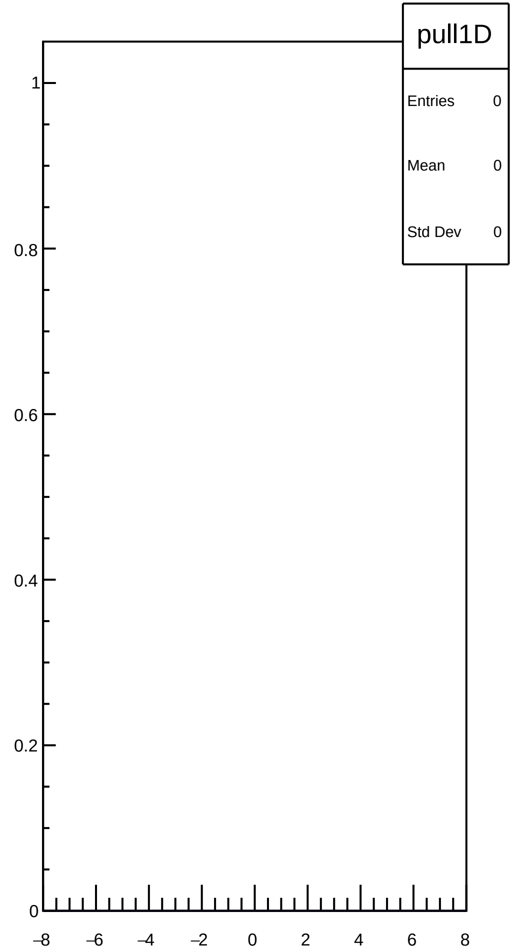
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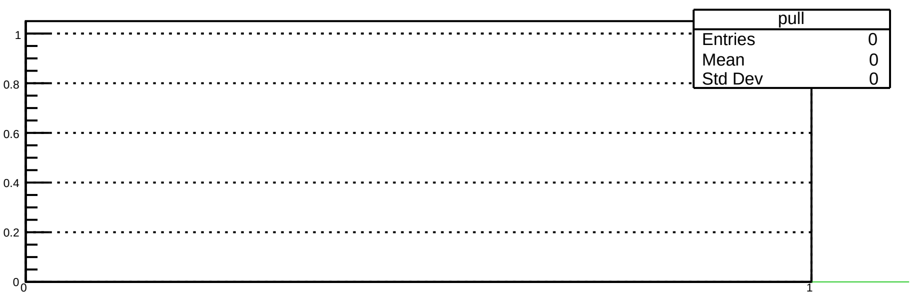
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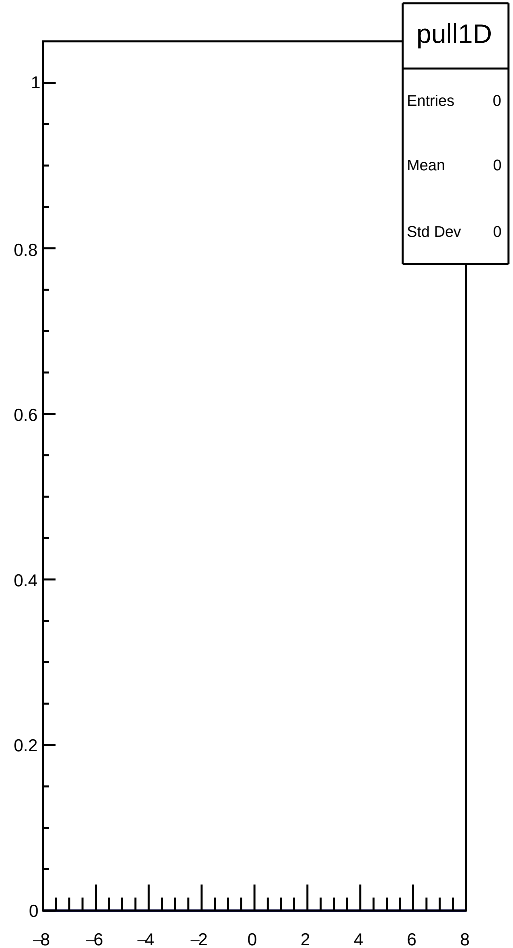
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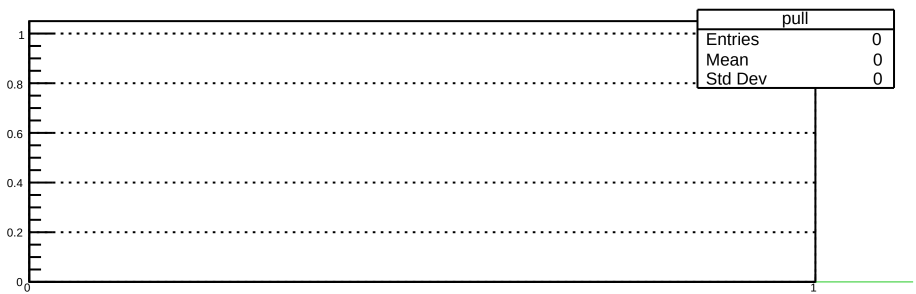
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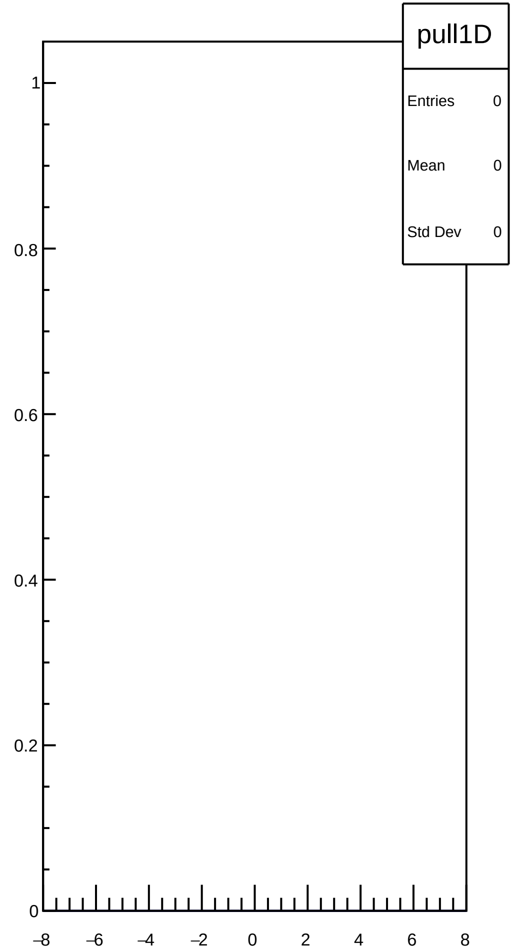
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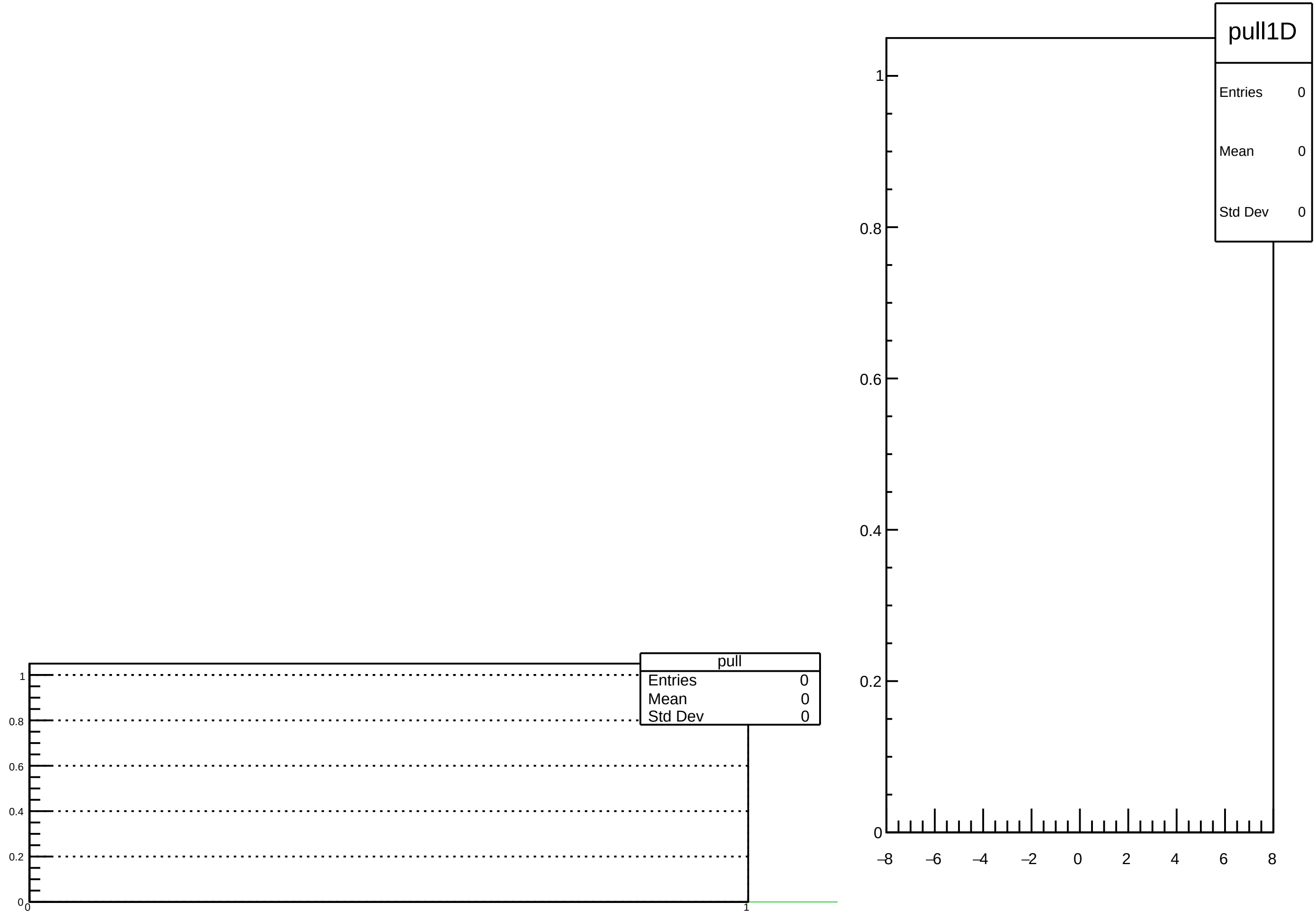
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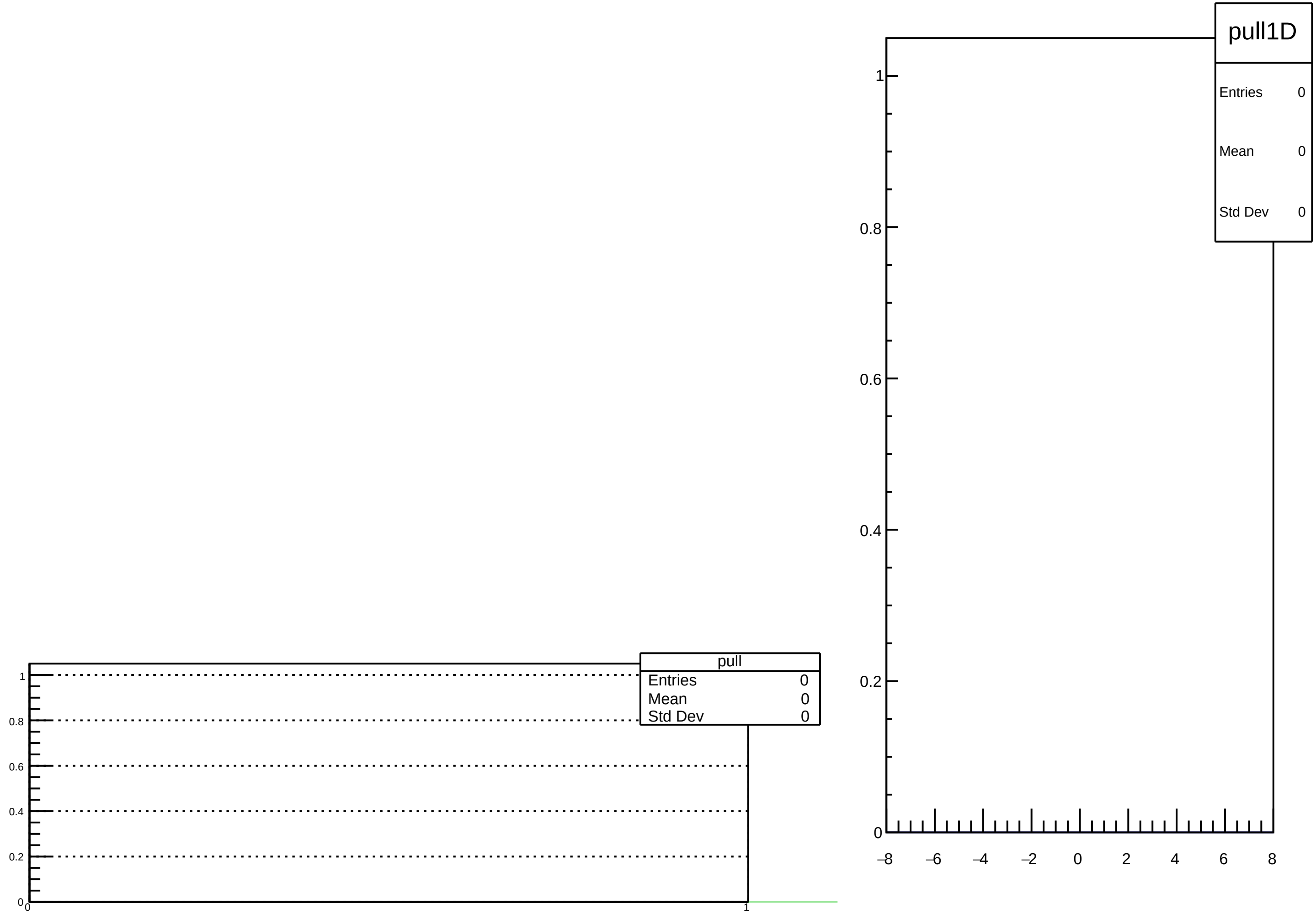

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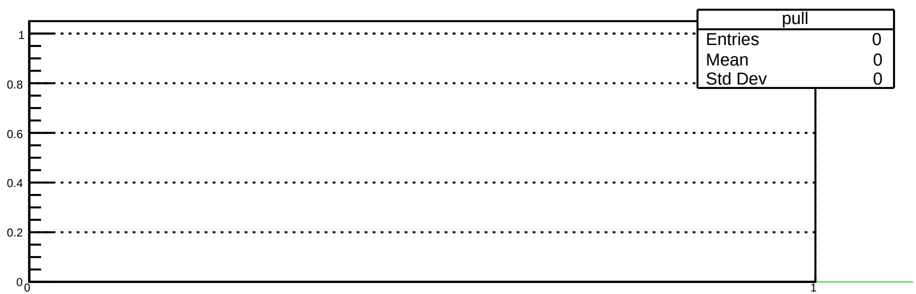
Mean 0
Std Dev 0



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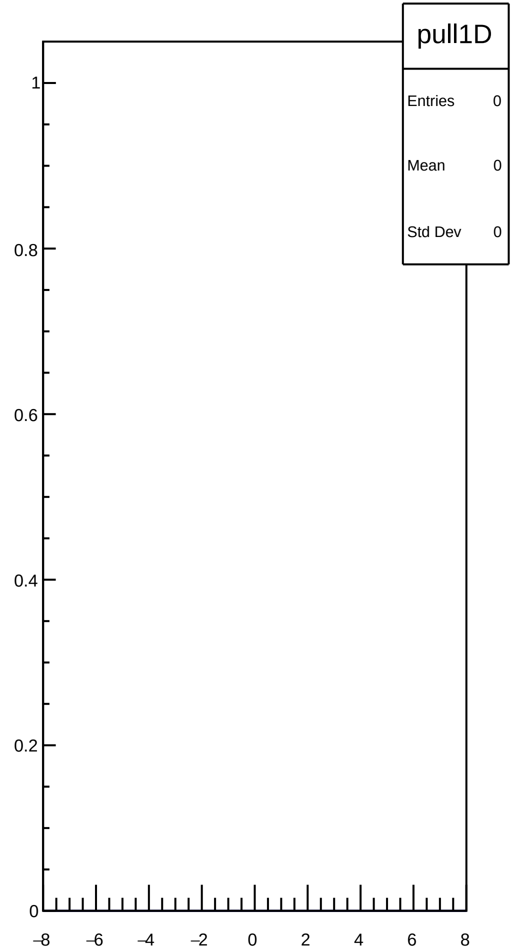

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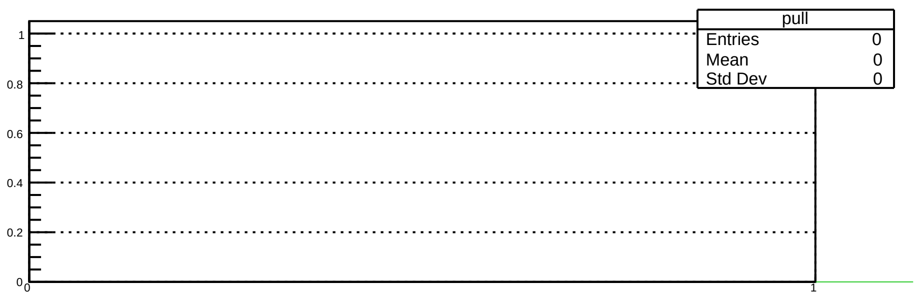
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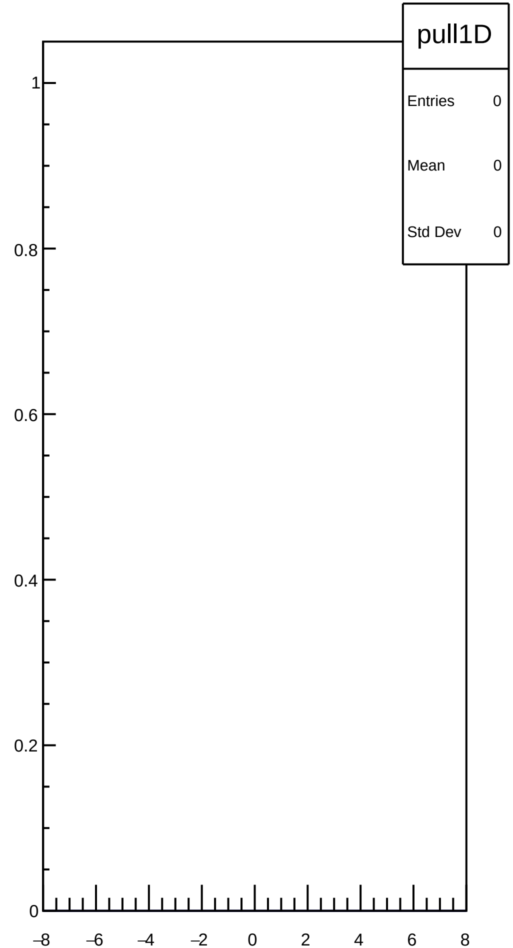
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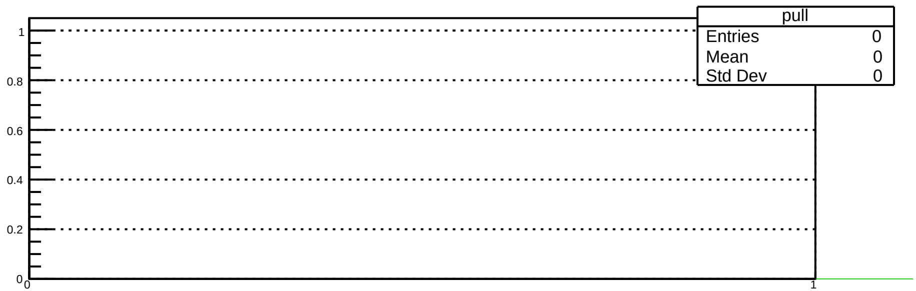

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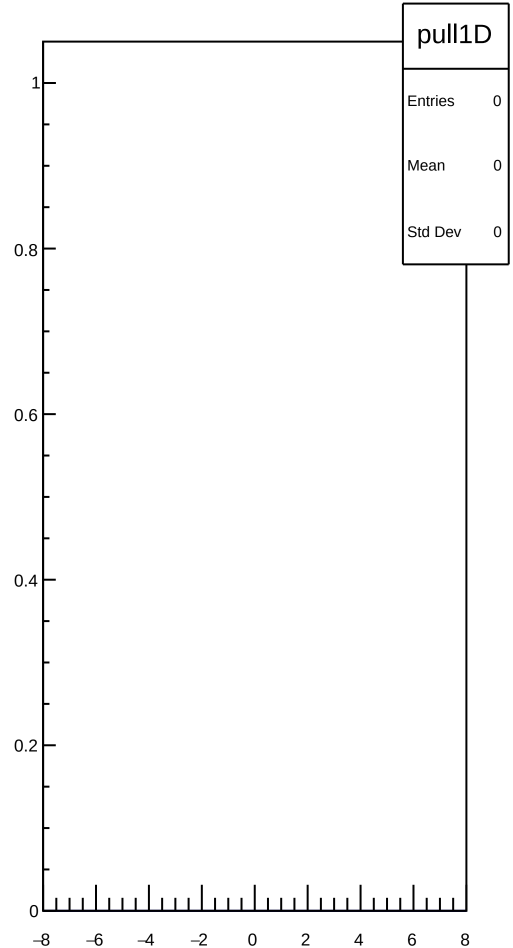

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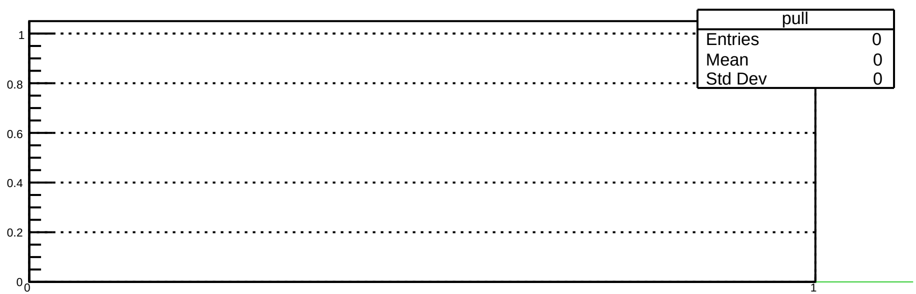
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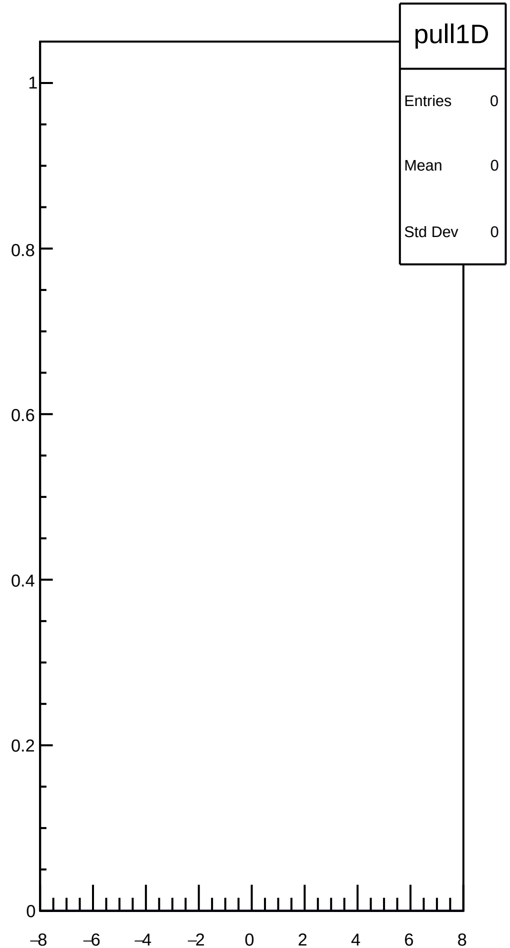
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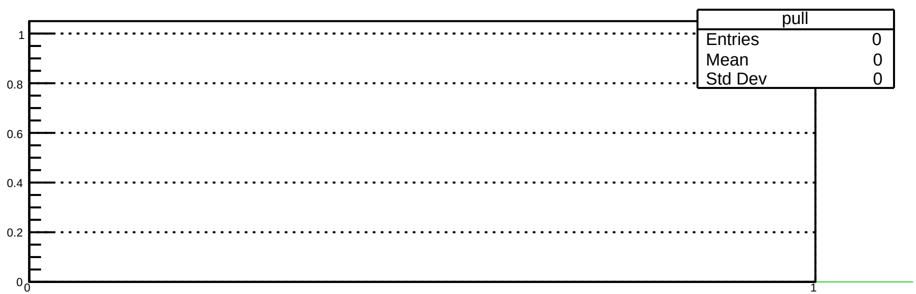

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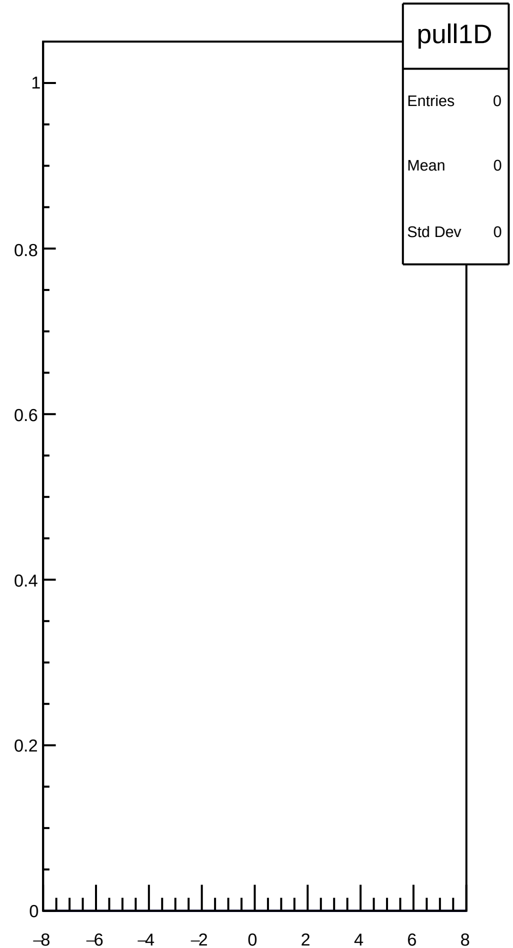

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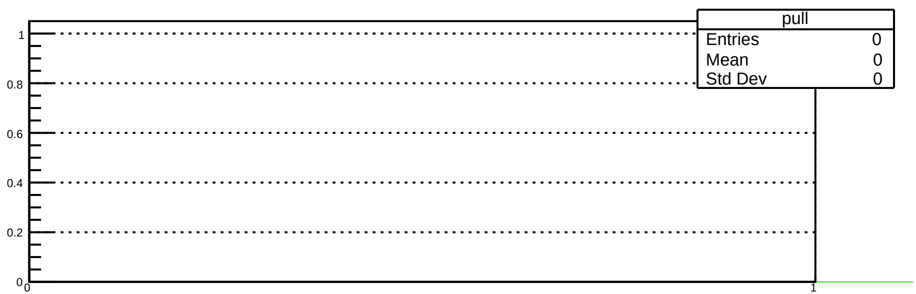
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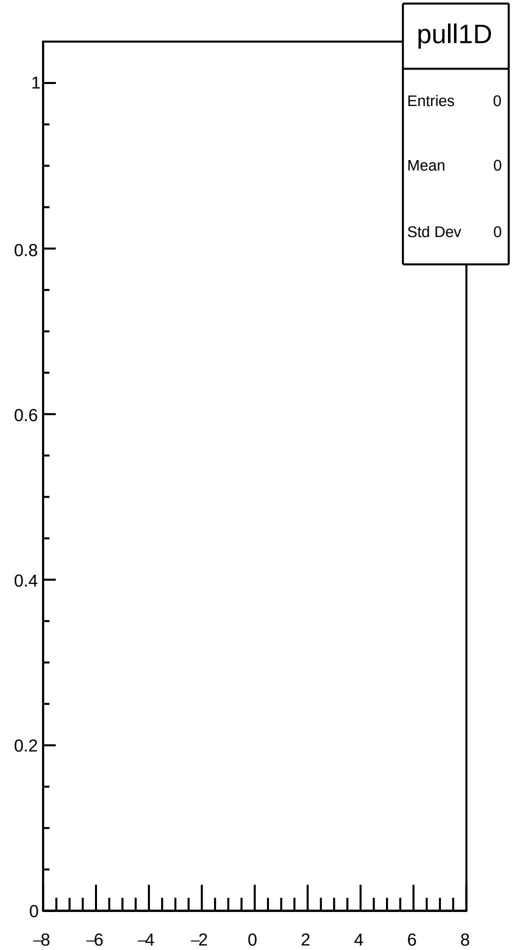
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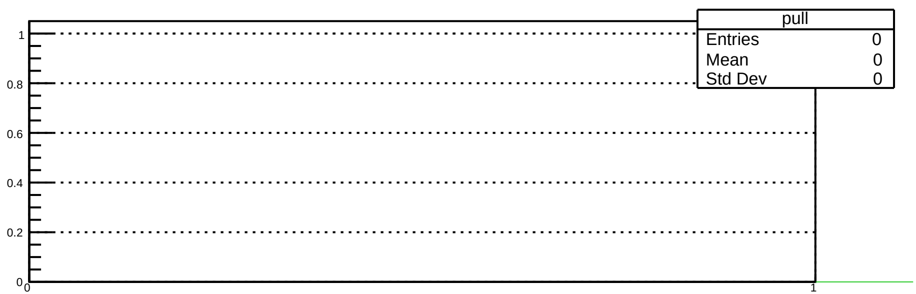
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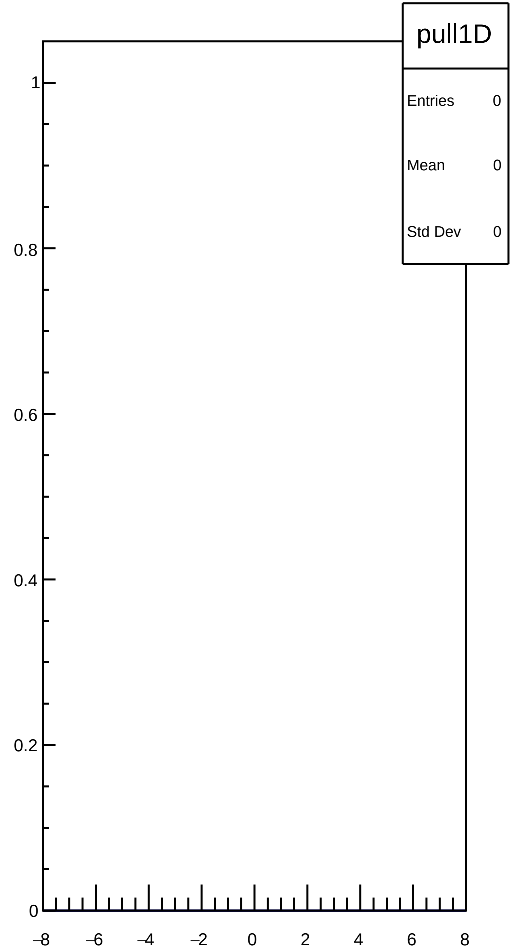
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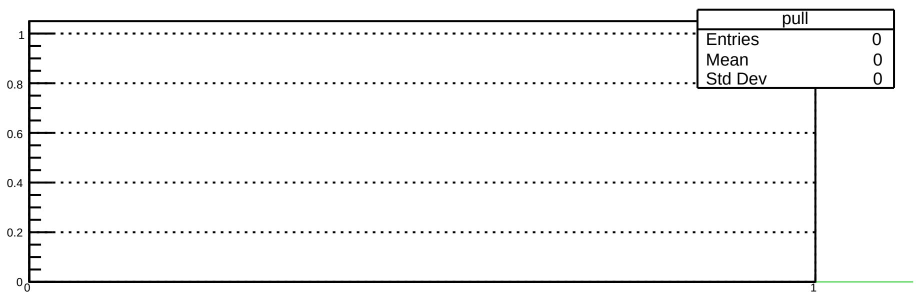

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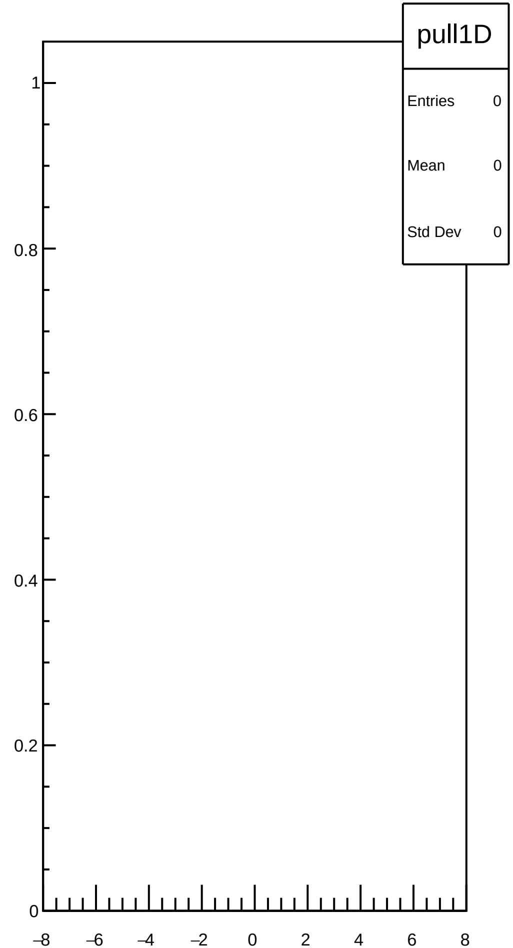

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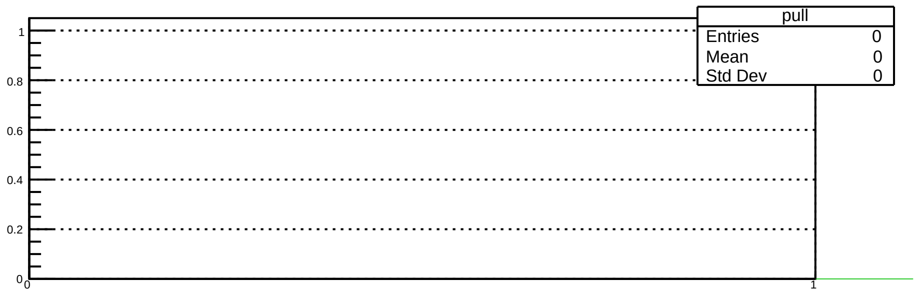
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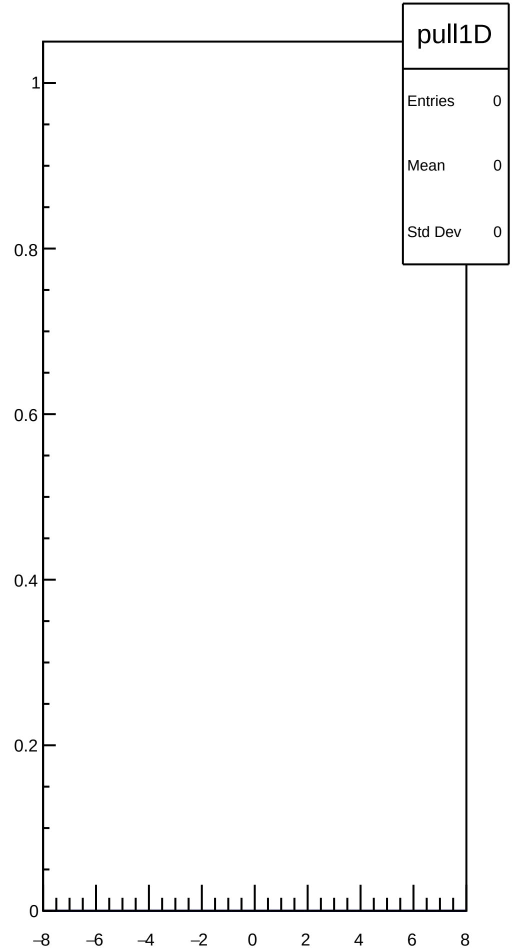
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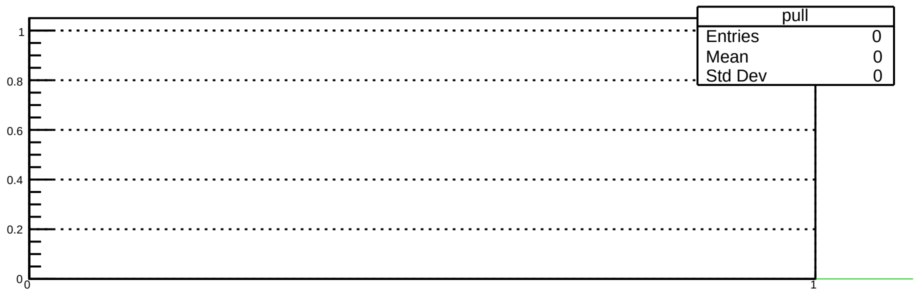

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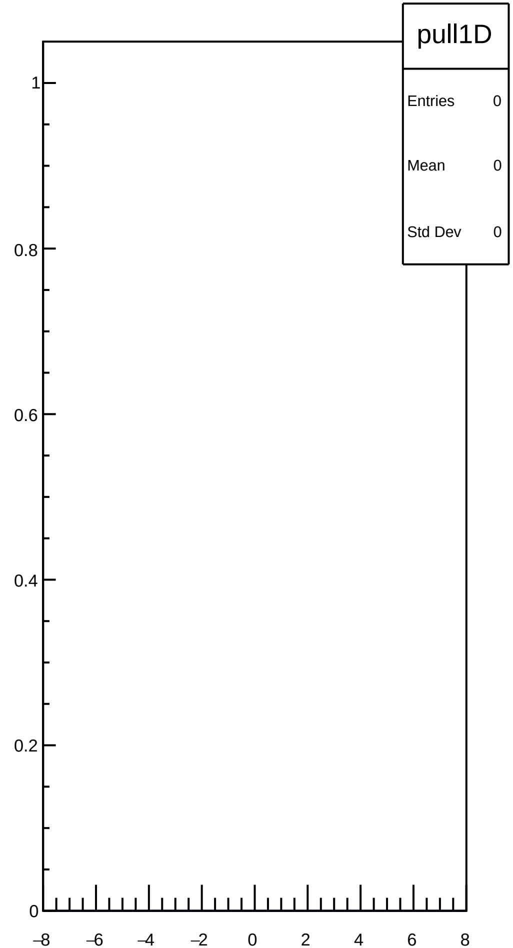

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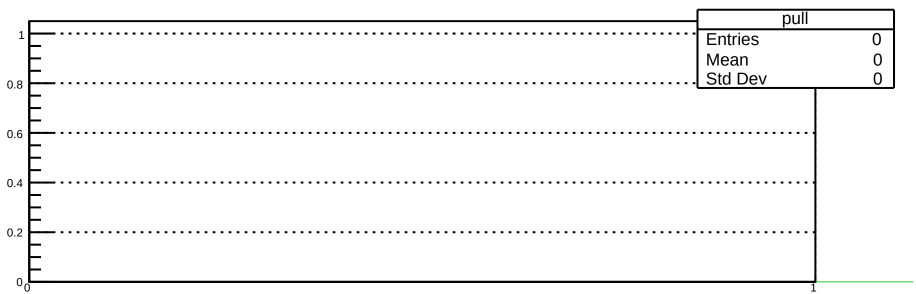

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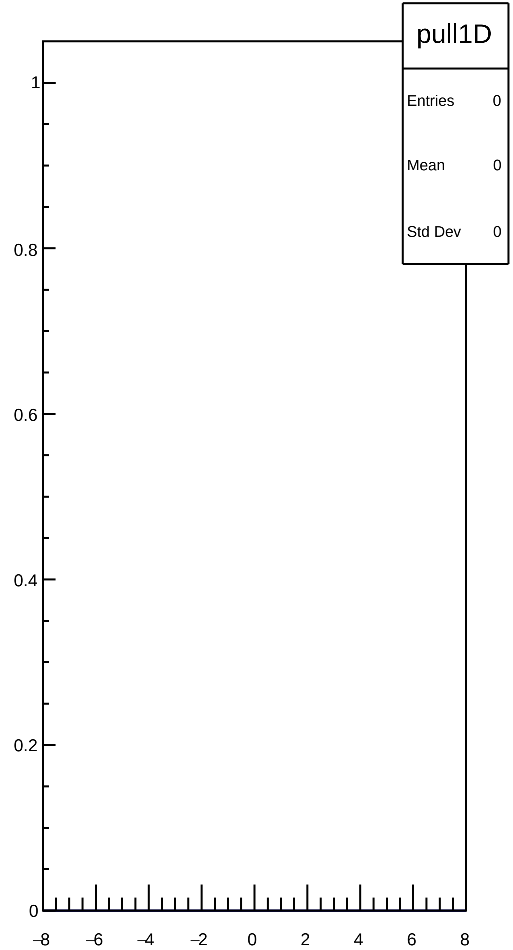

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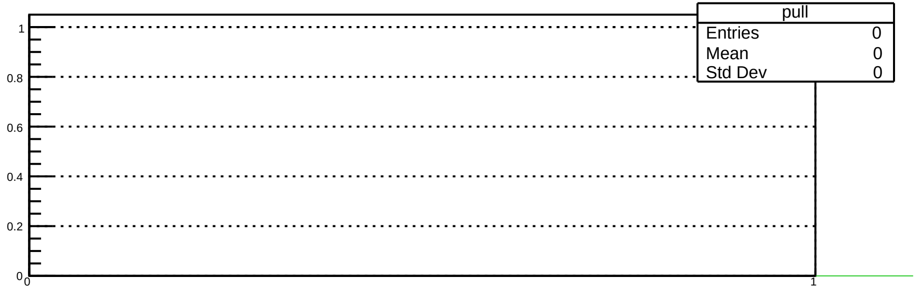

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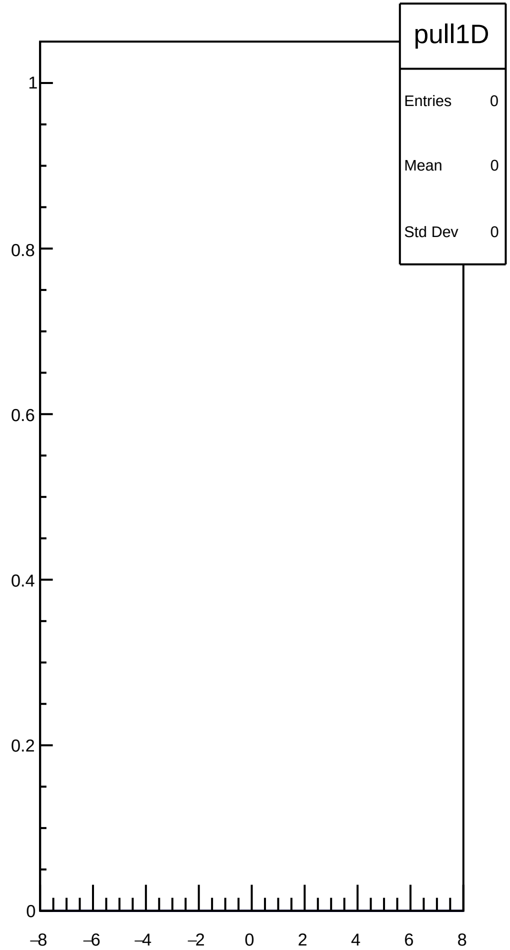

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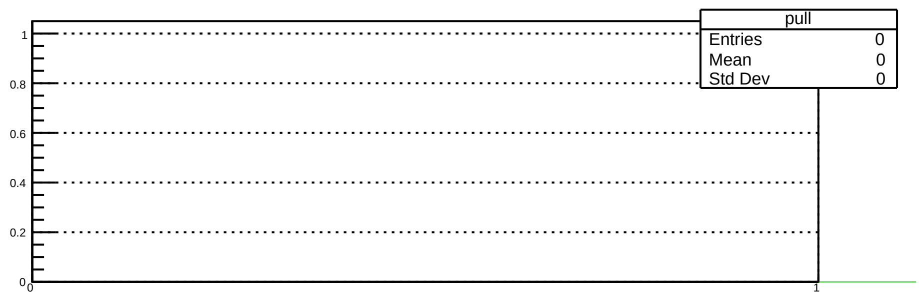

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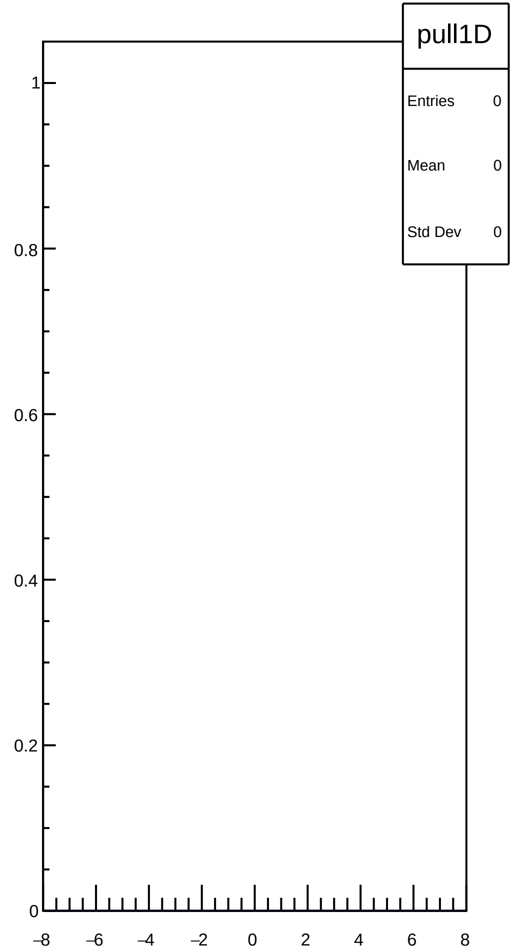

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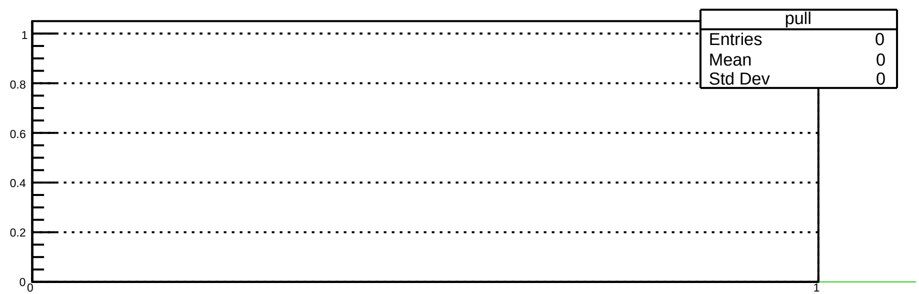

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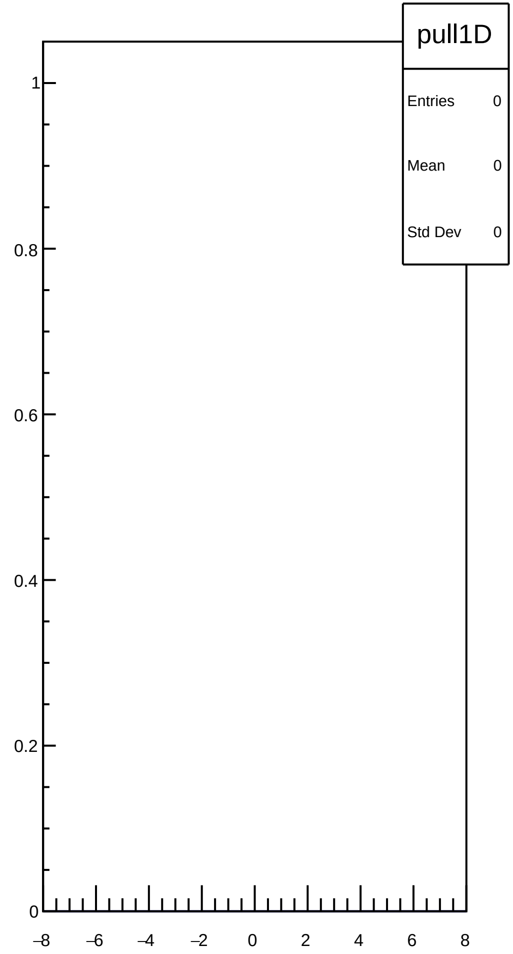

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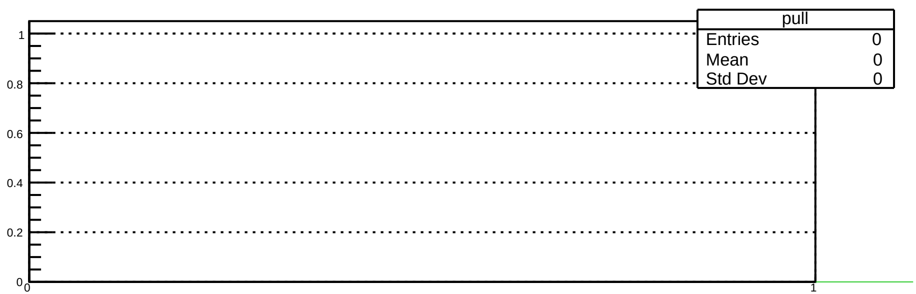

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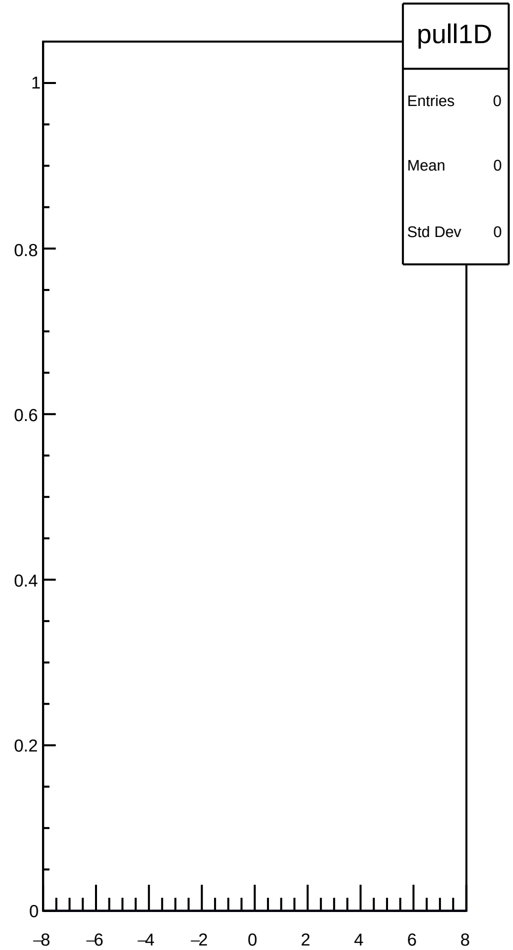

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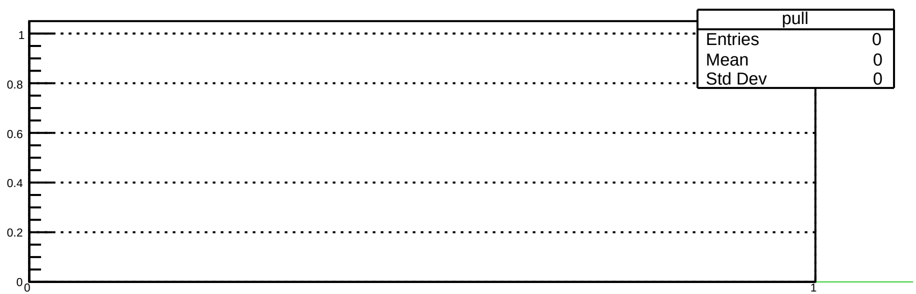
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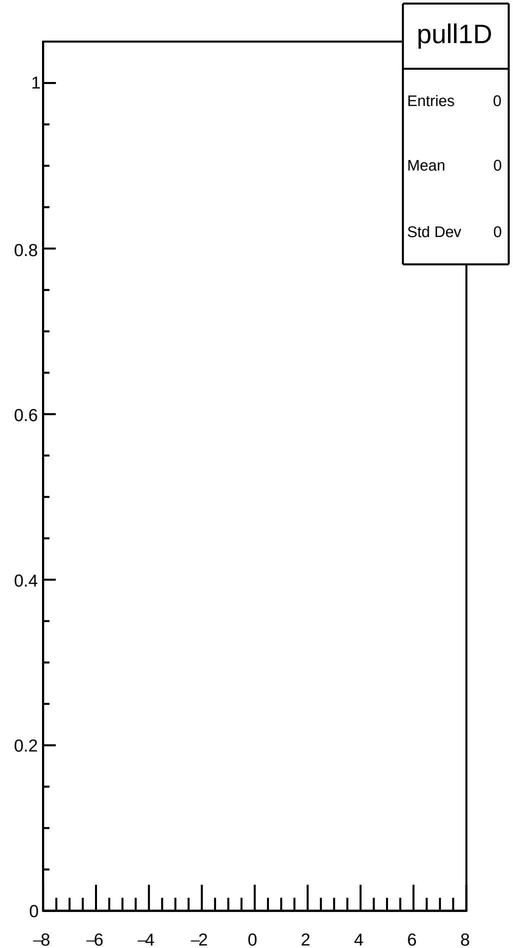
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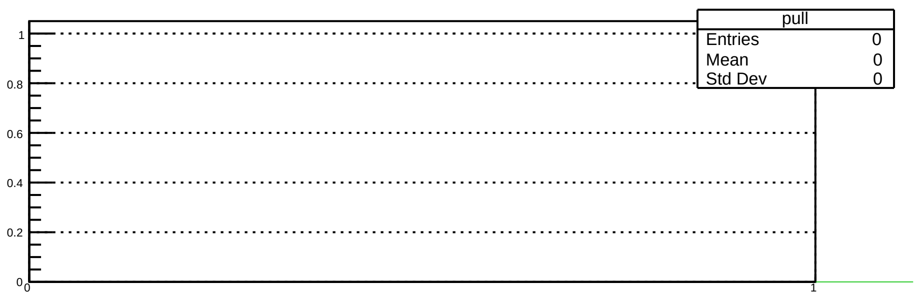
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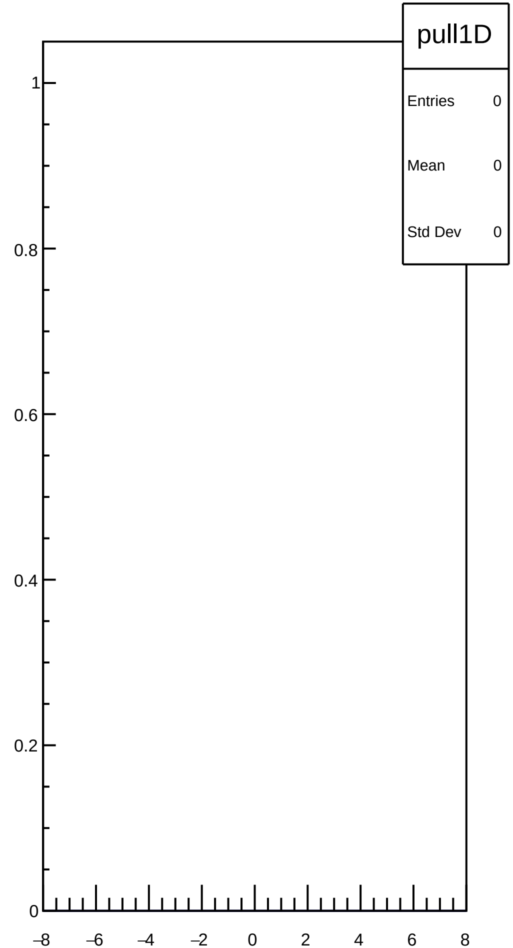
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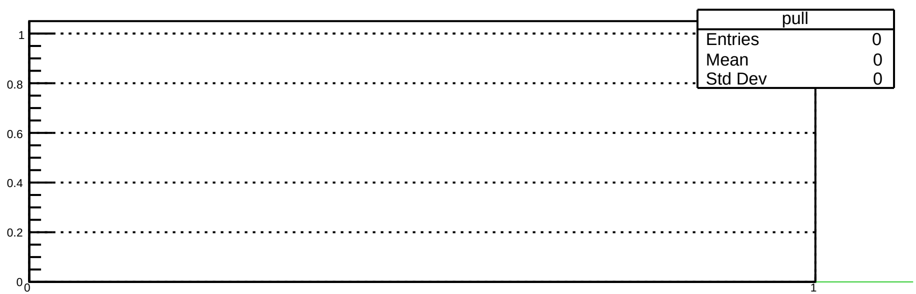

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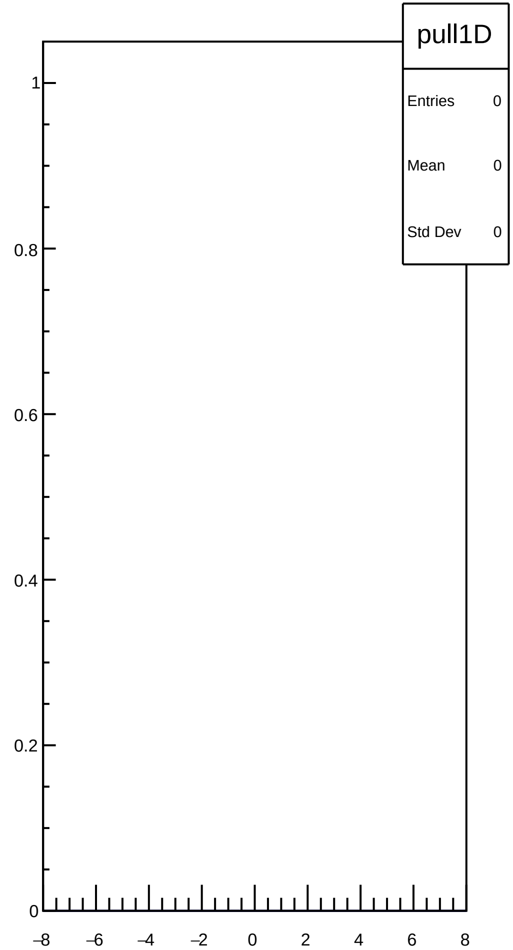

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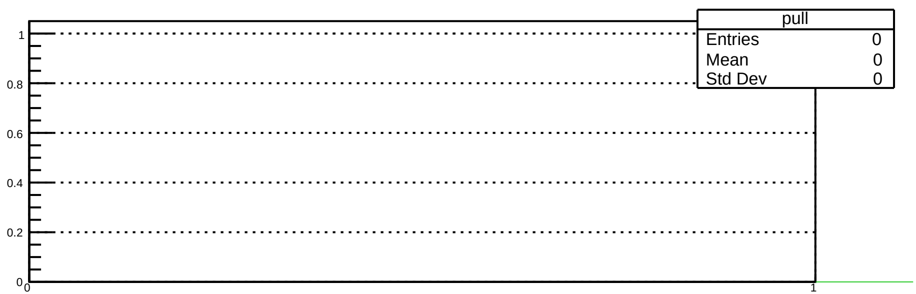

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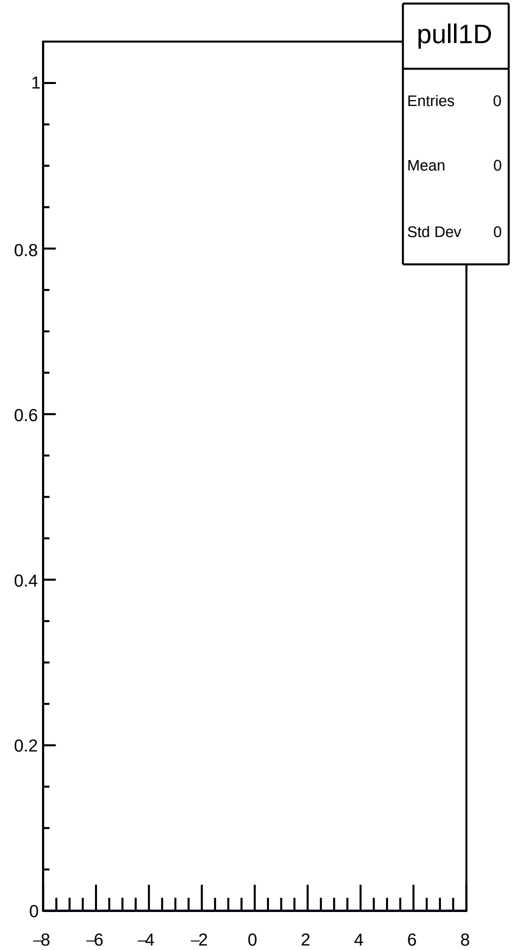

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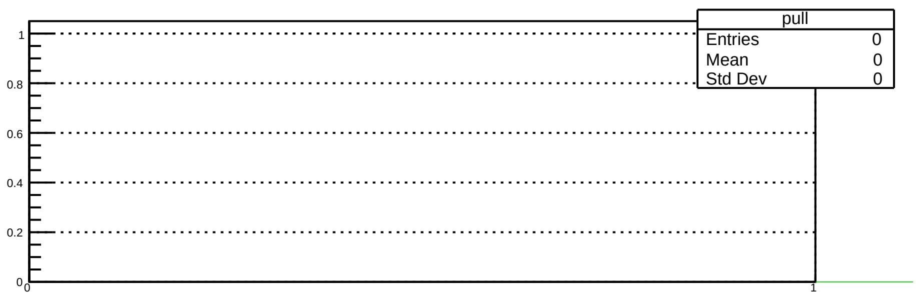
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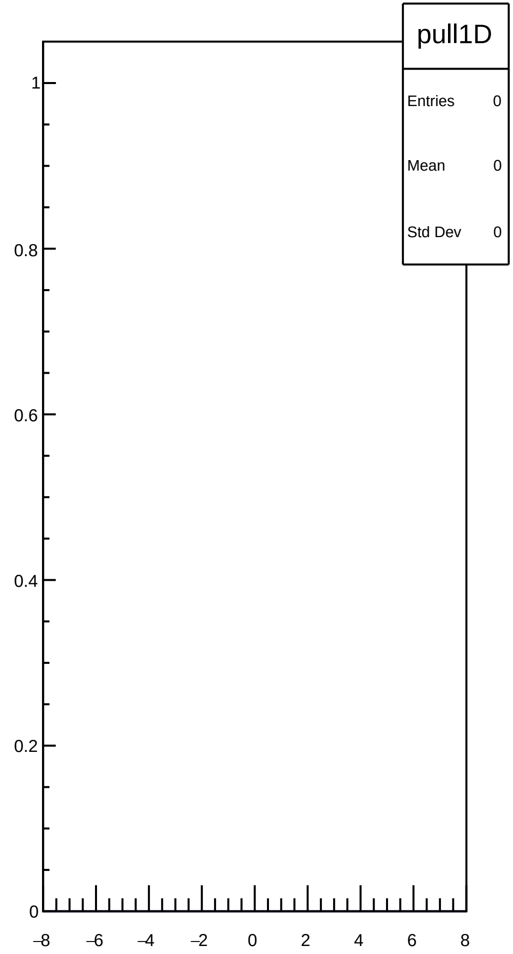
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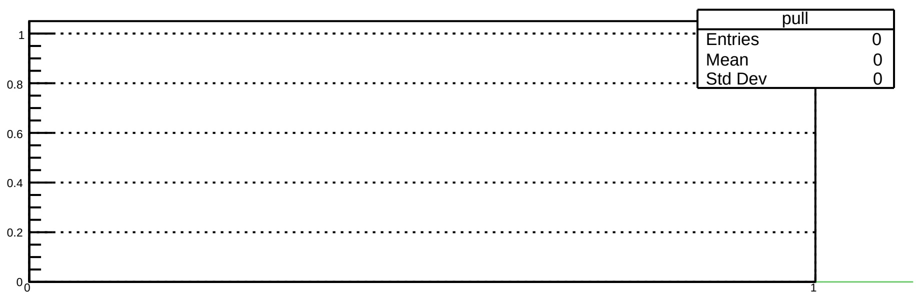

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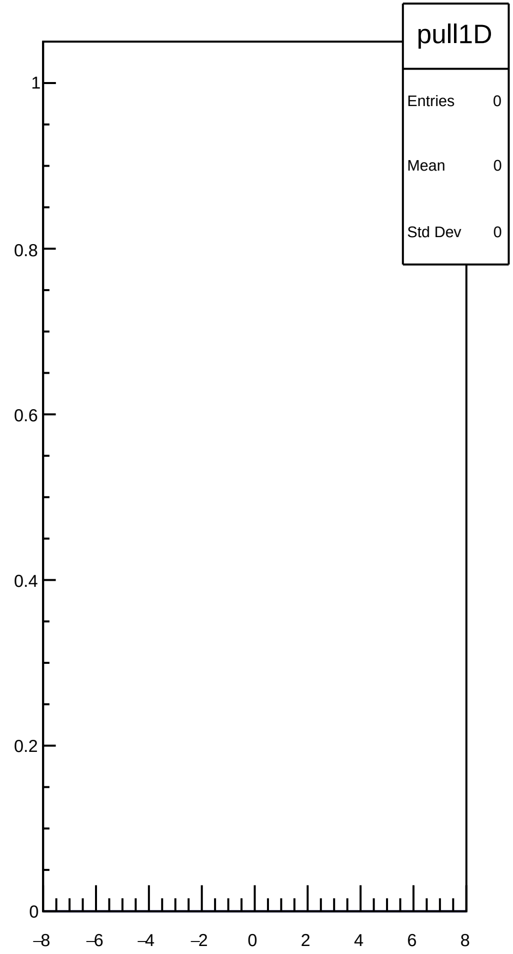

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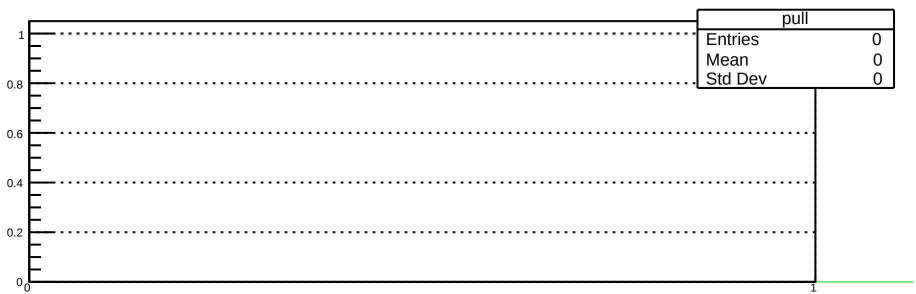
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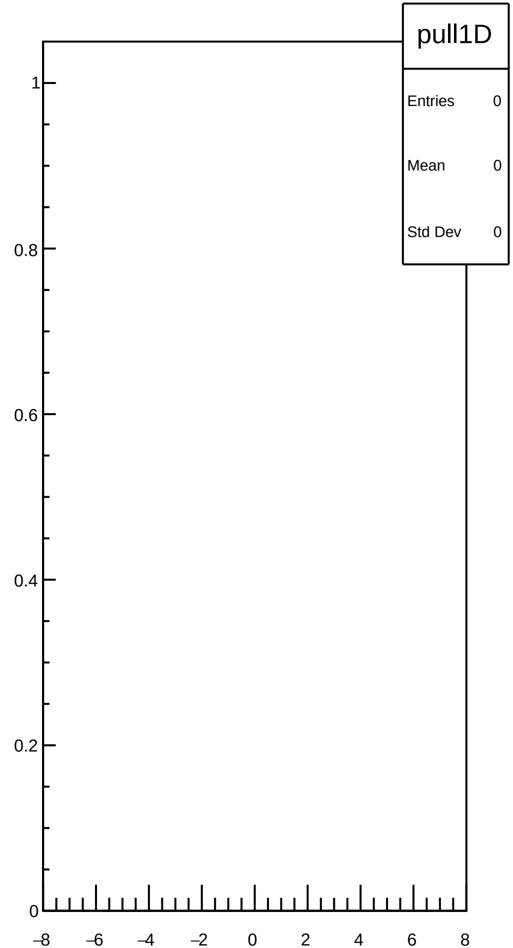
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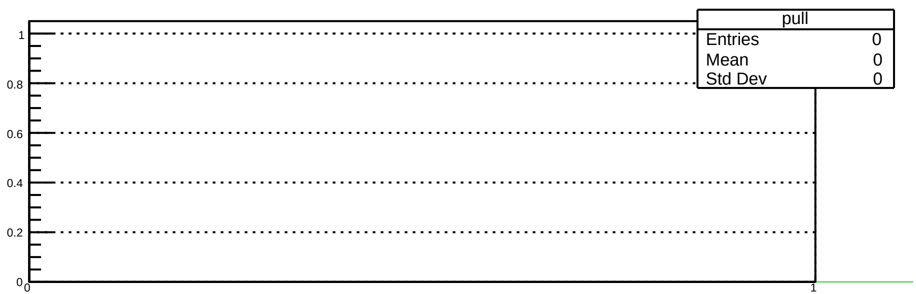

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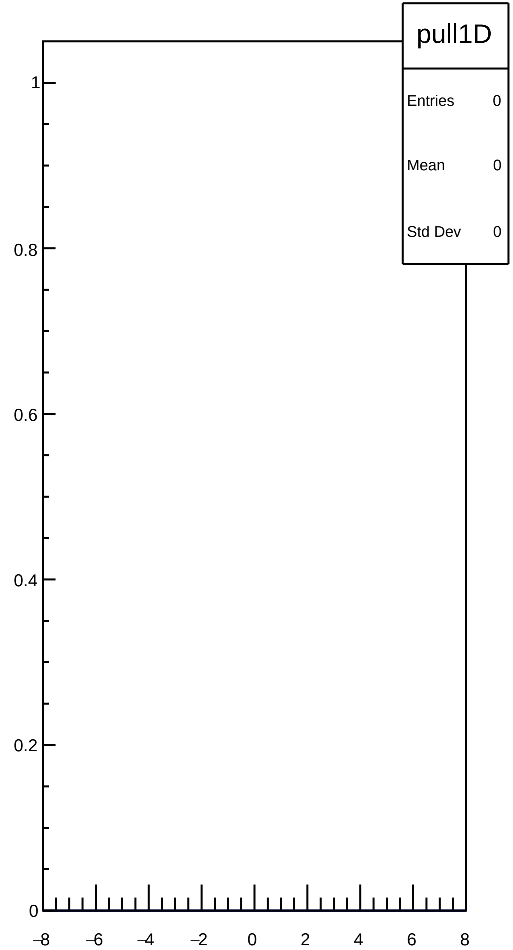

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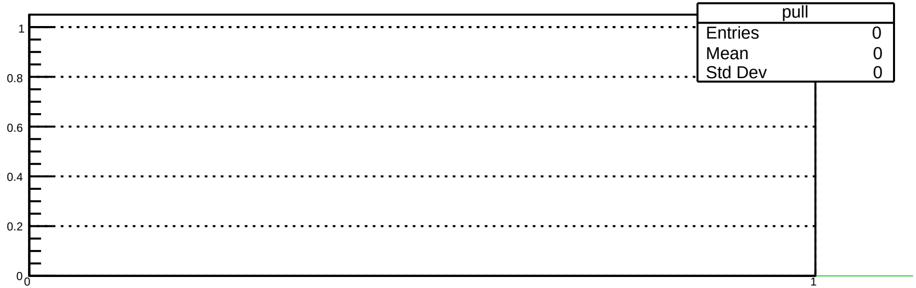
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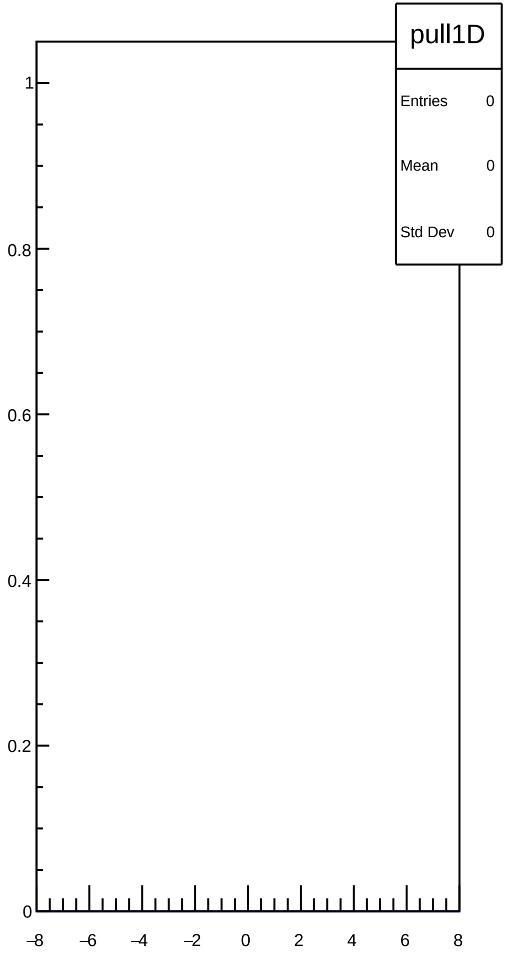
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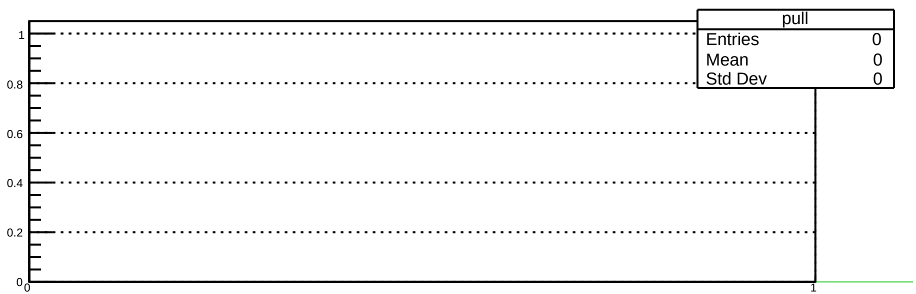
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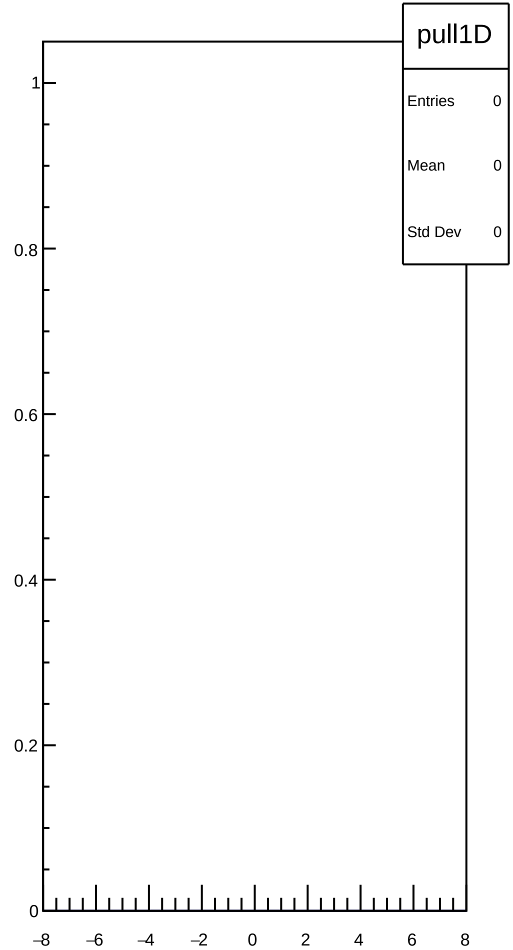
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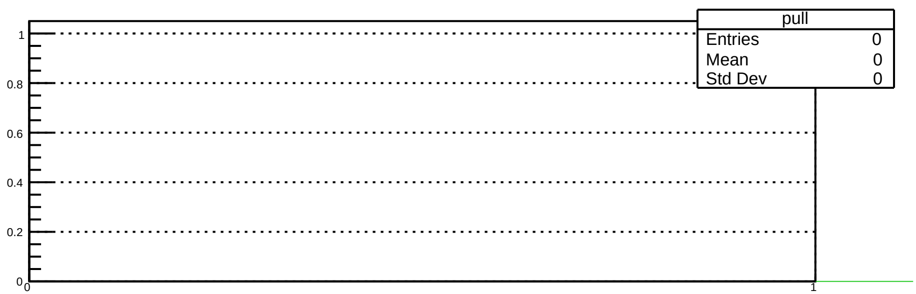
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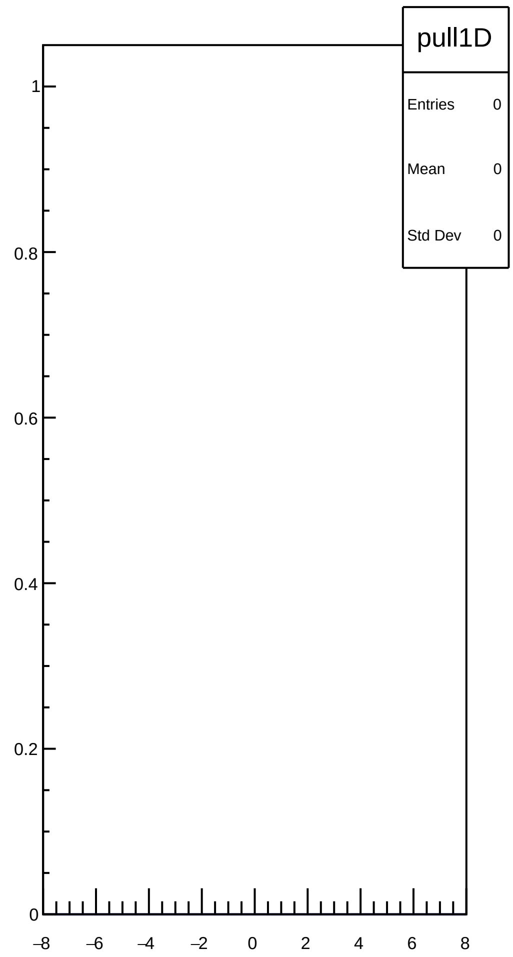
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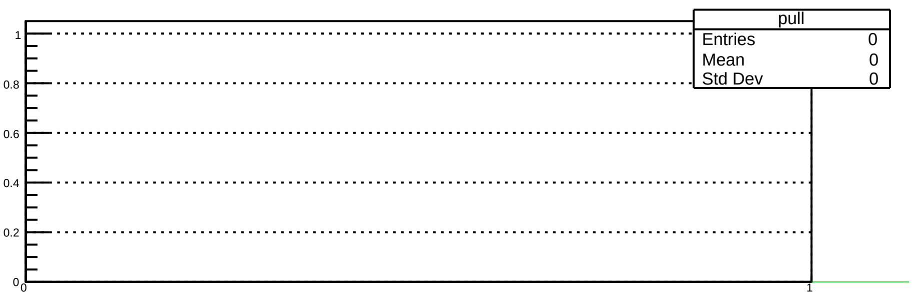

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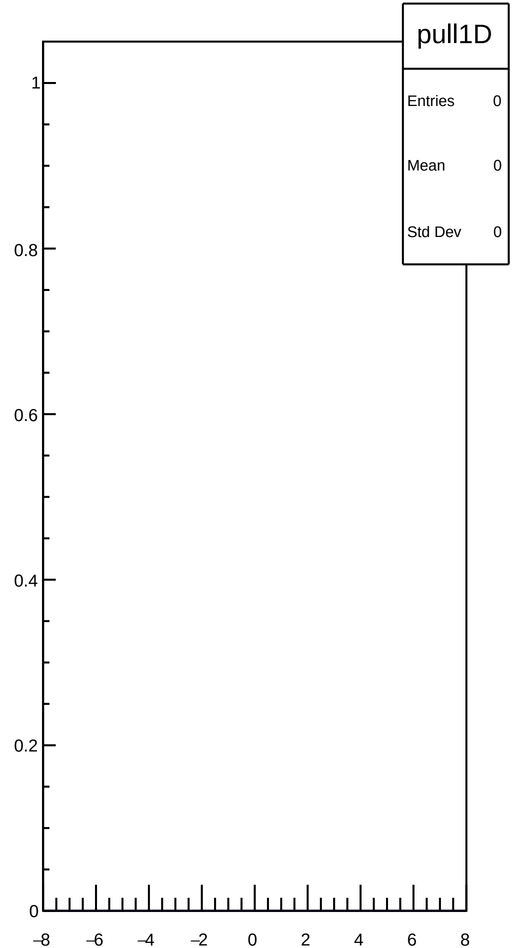

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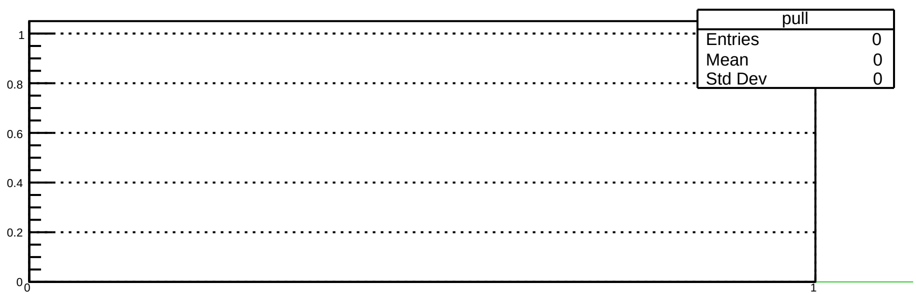
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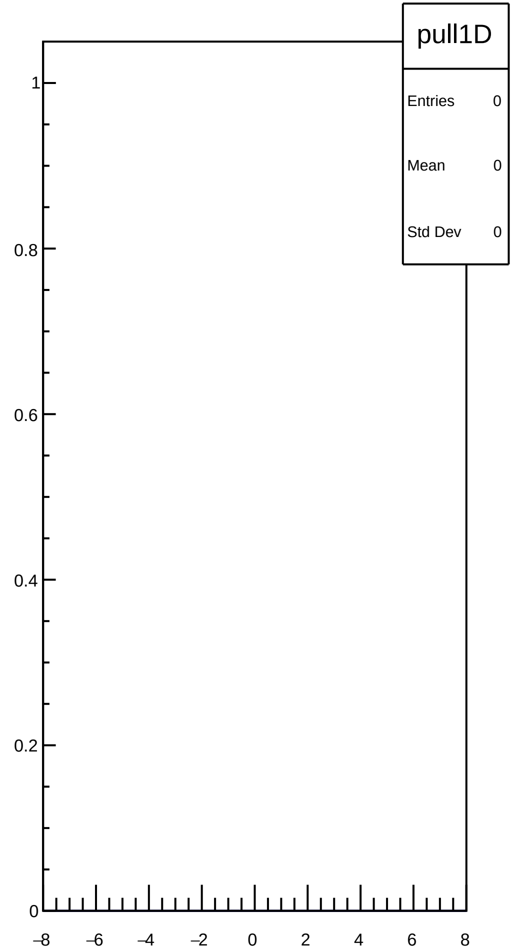
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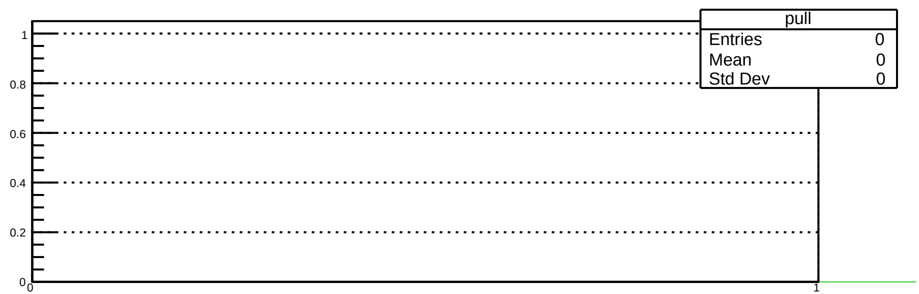
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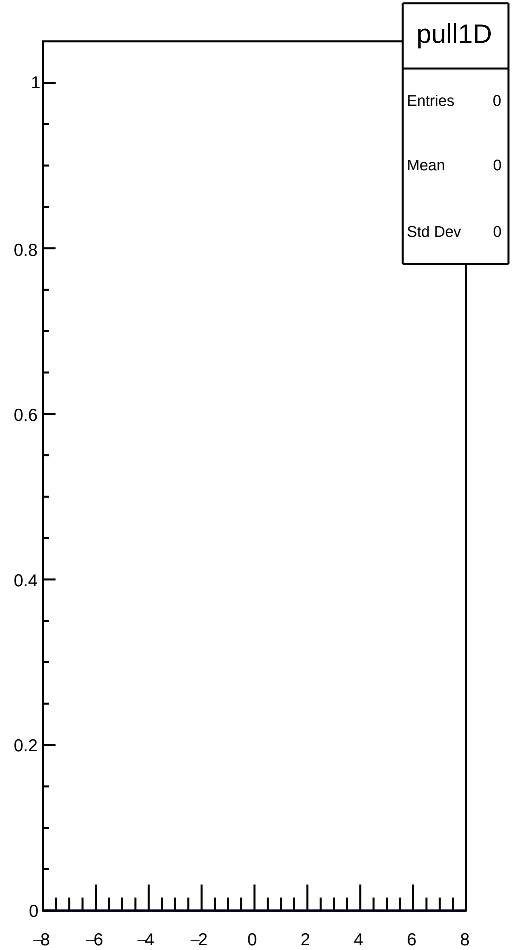
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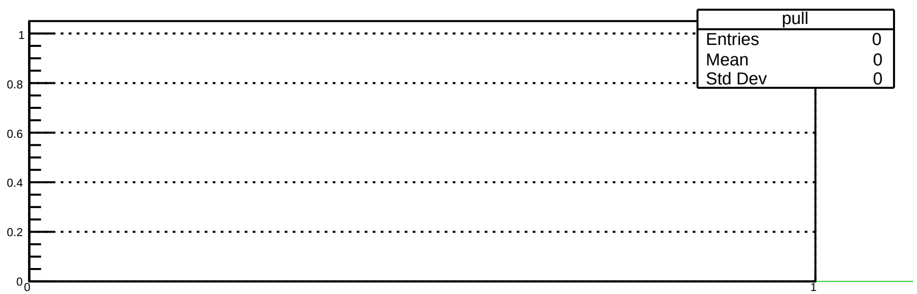

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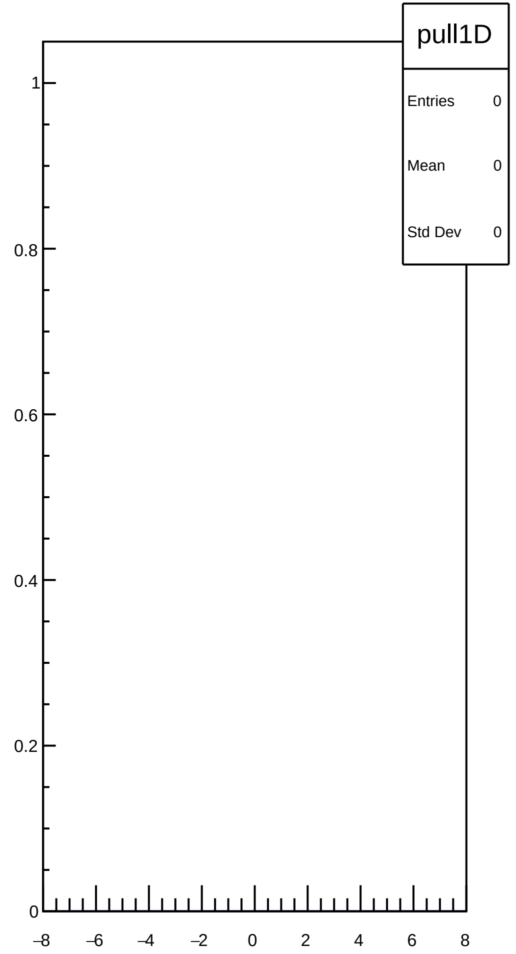

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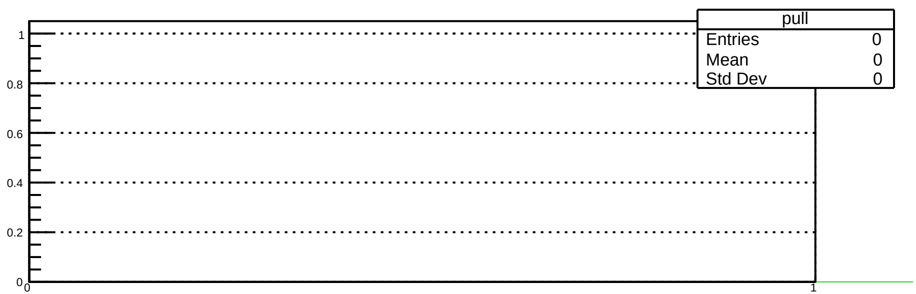
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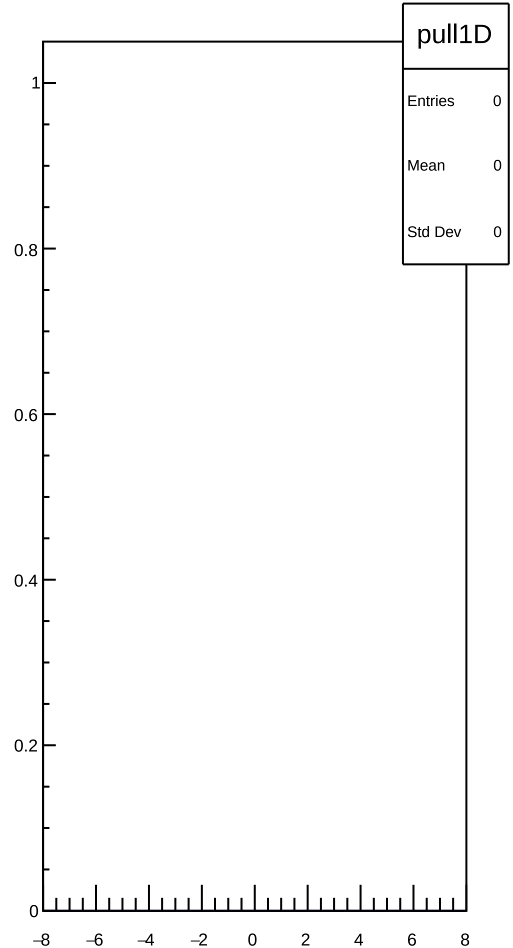
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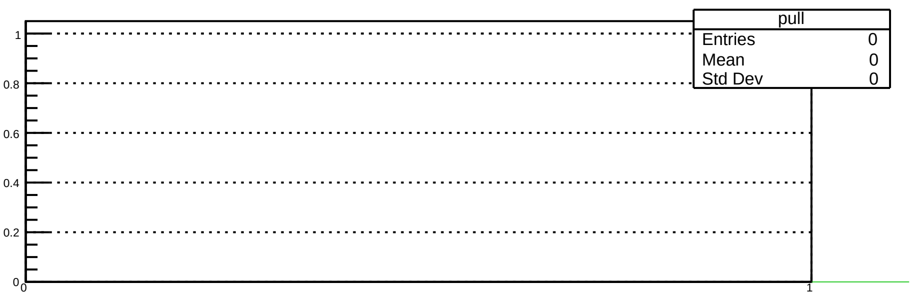
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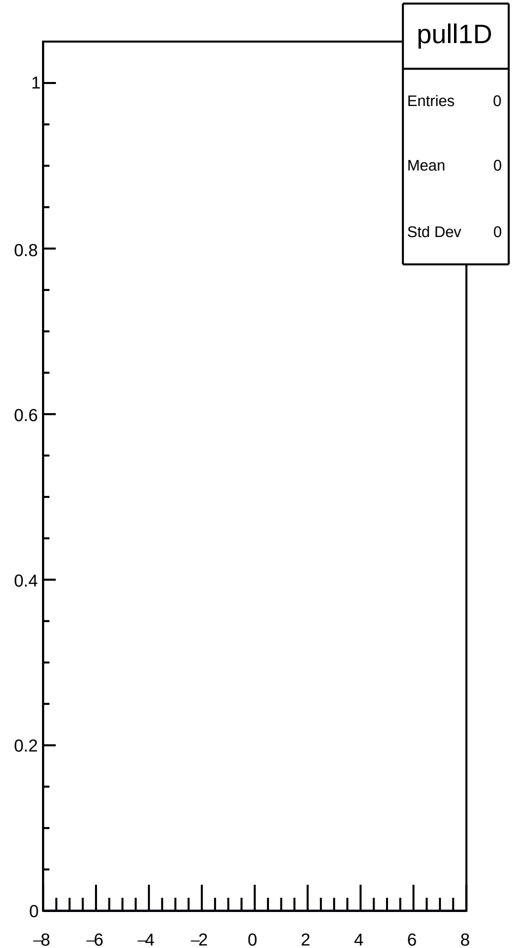
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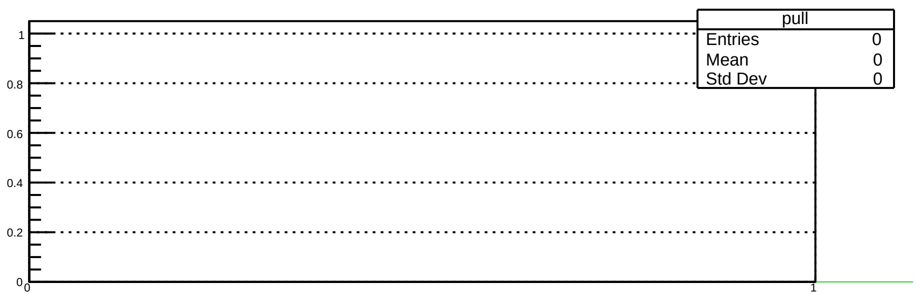
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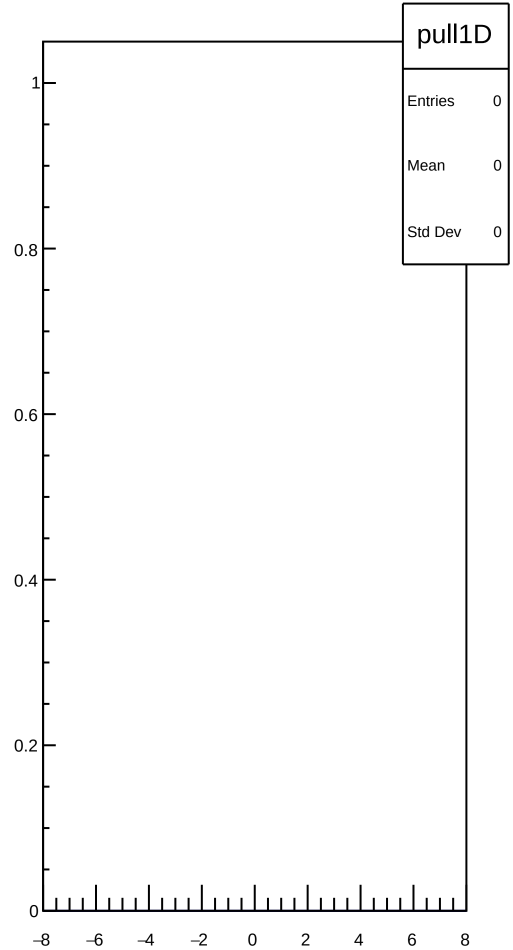
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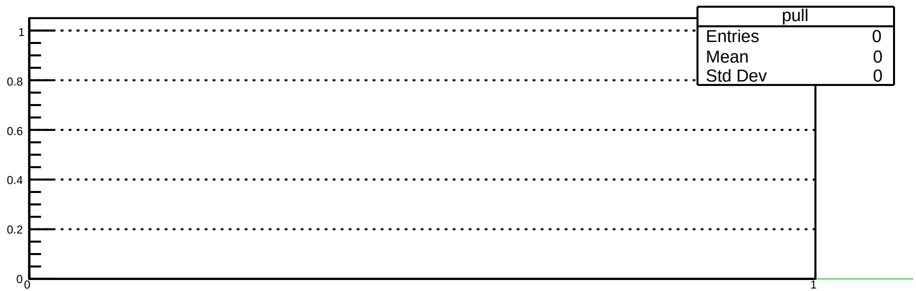
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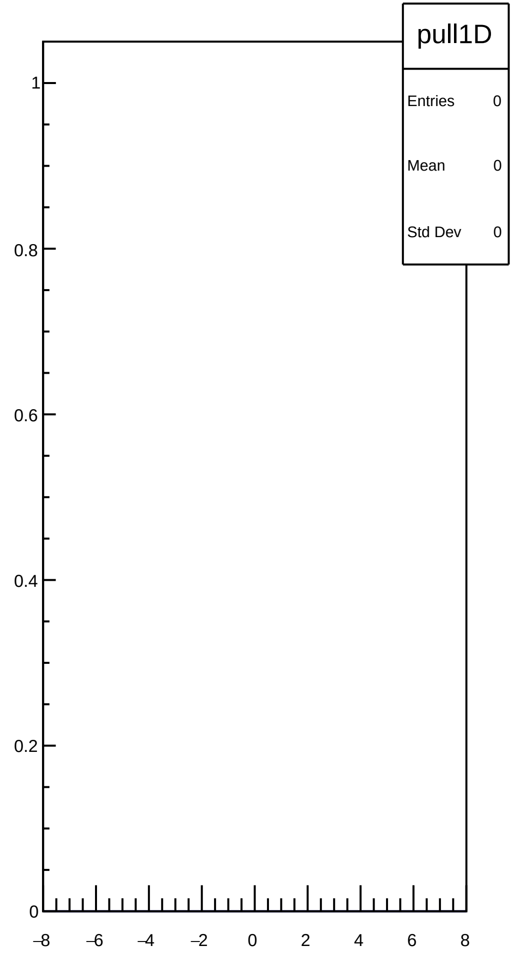
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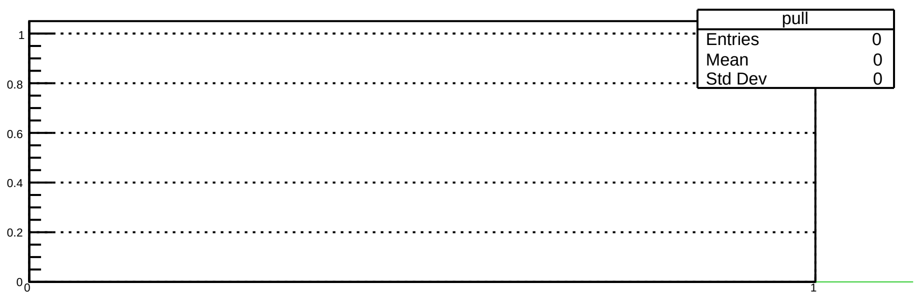
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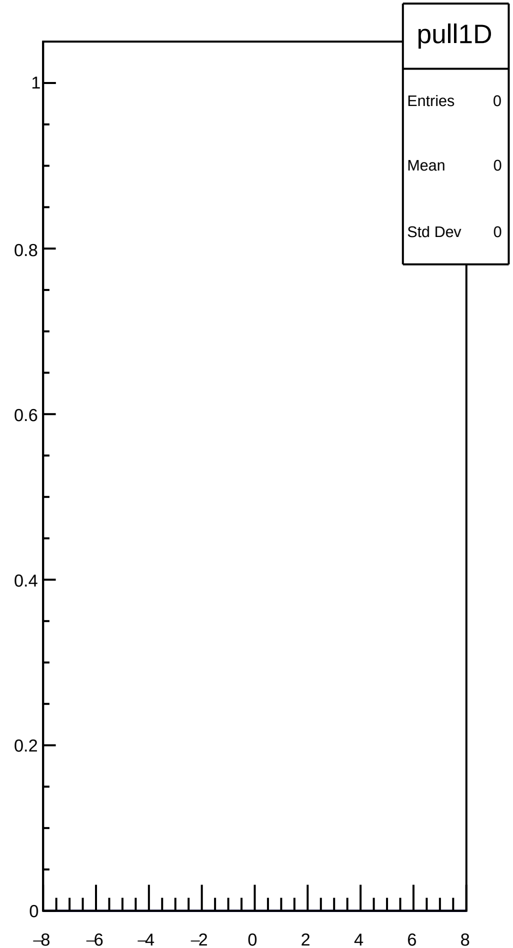
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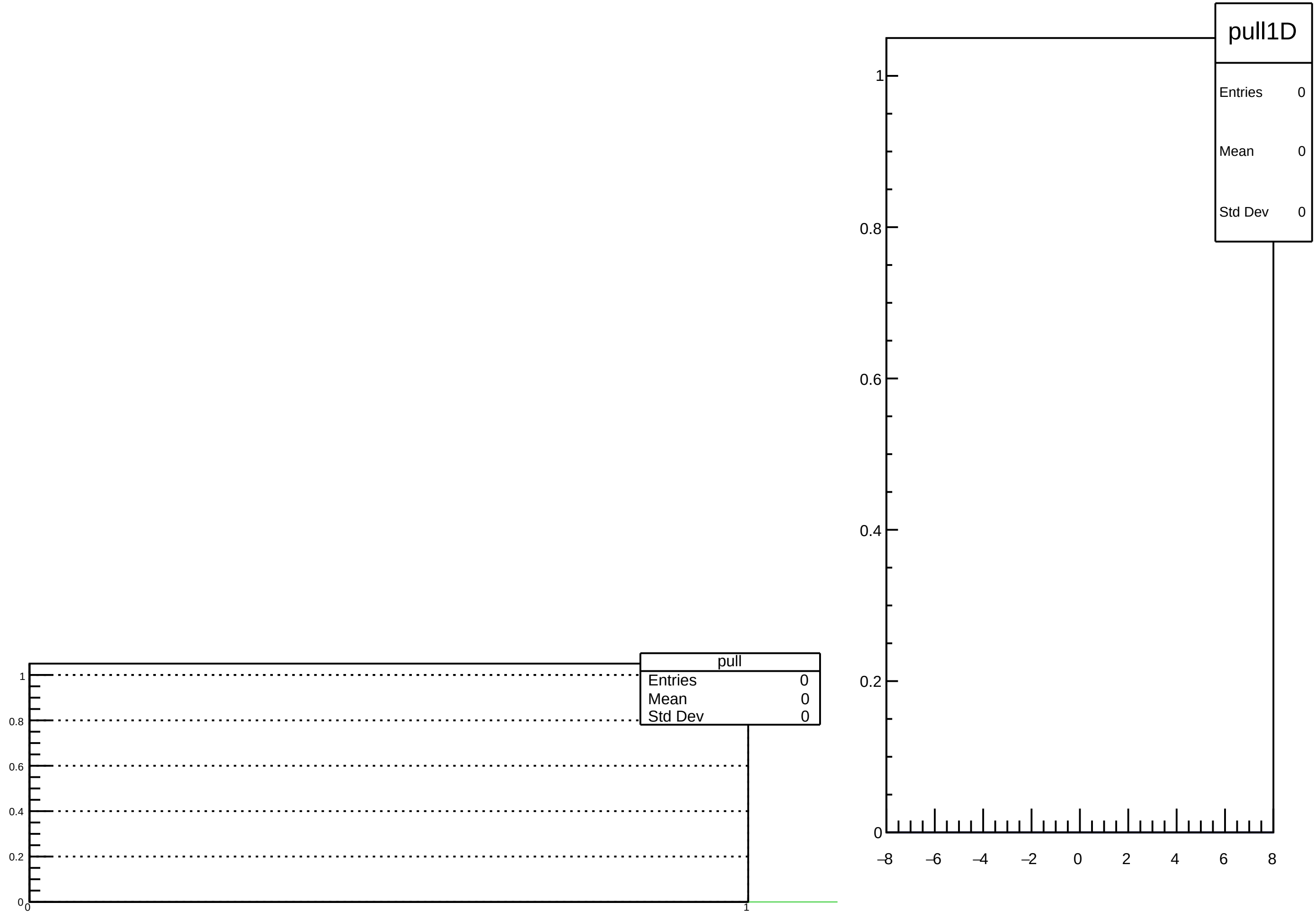

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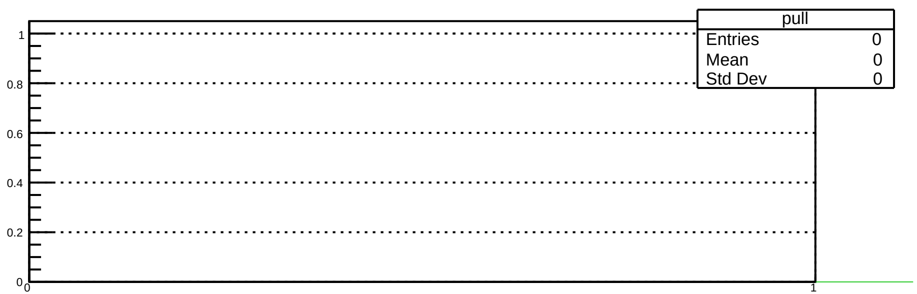

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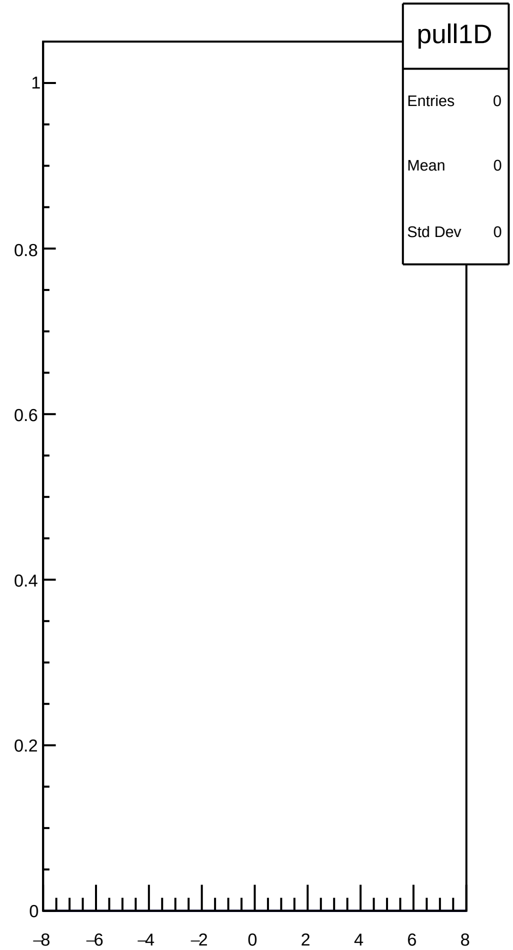

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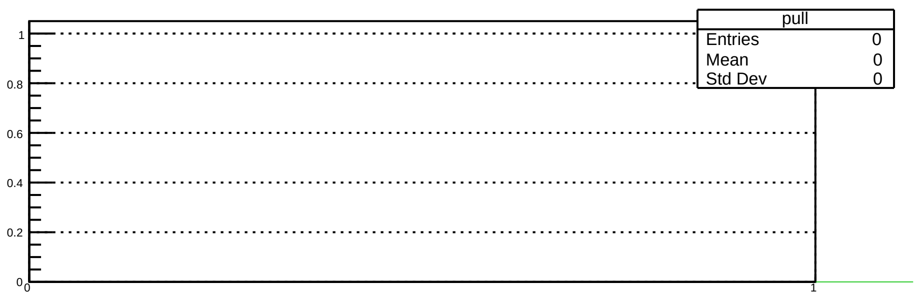
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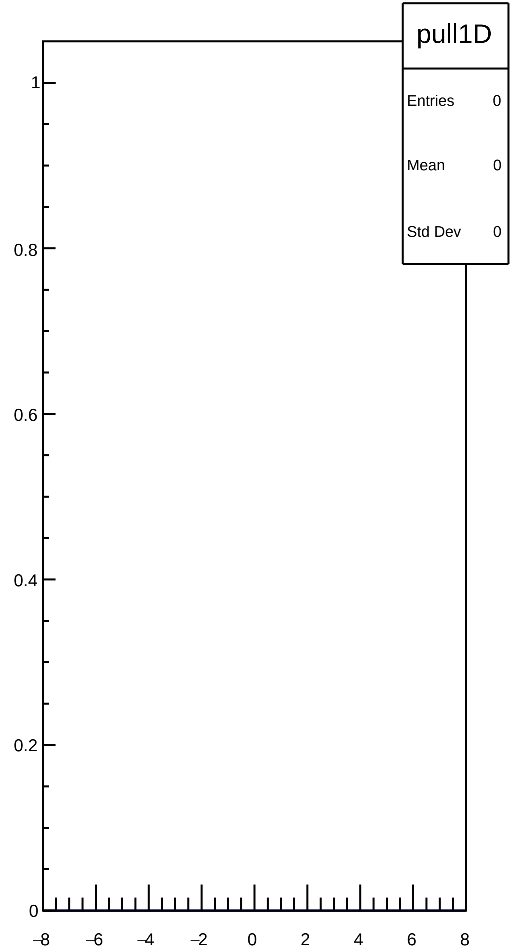
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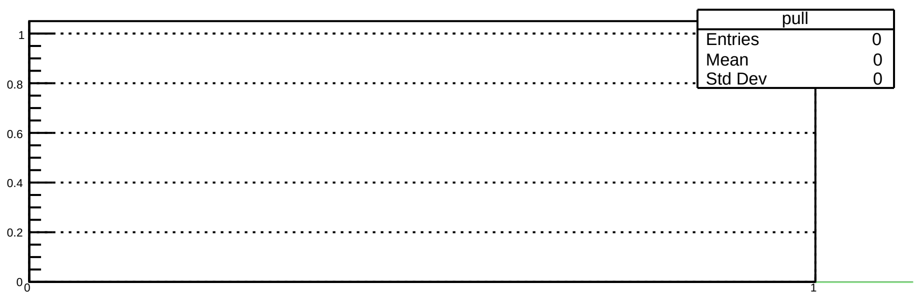
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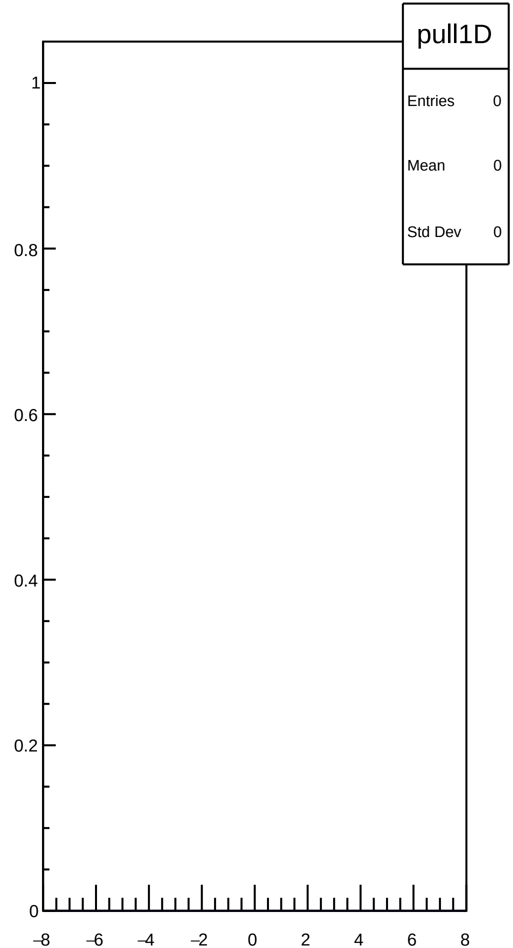
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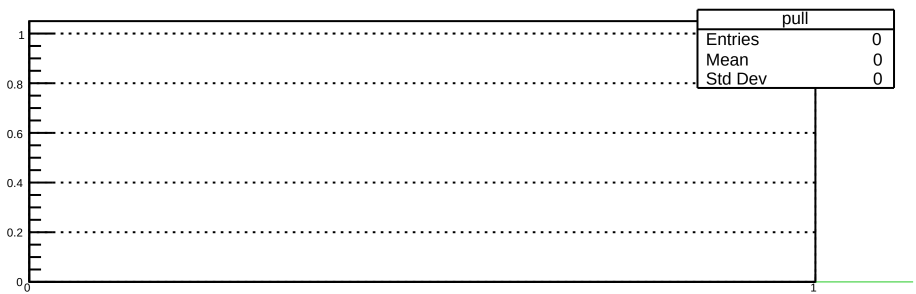
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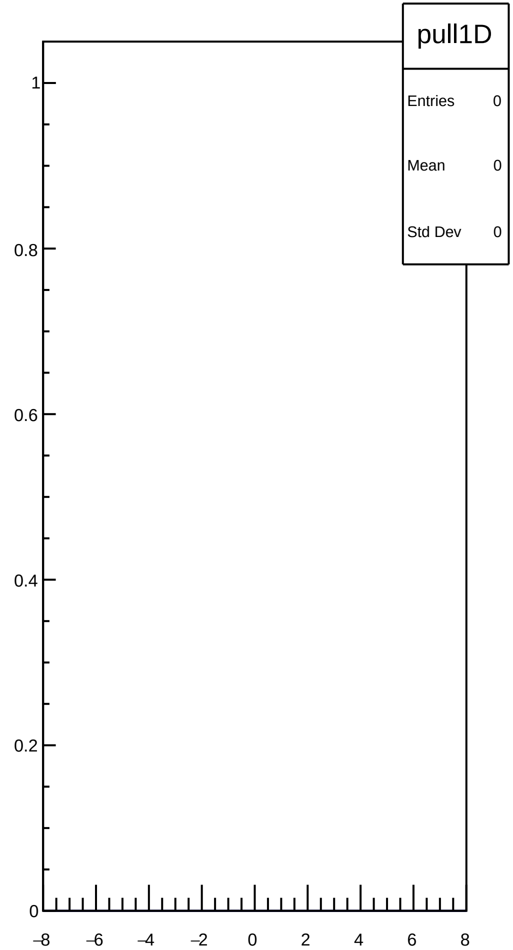
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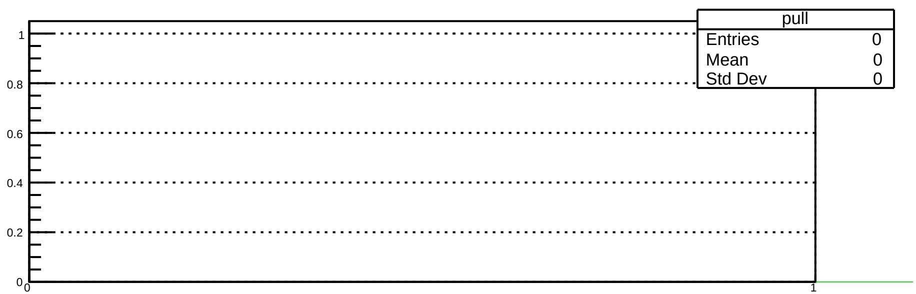
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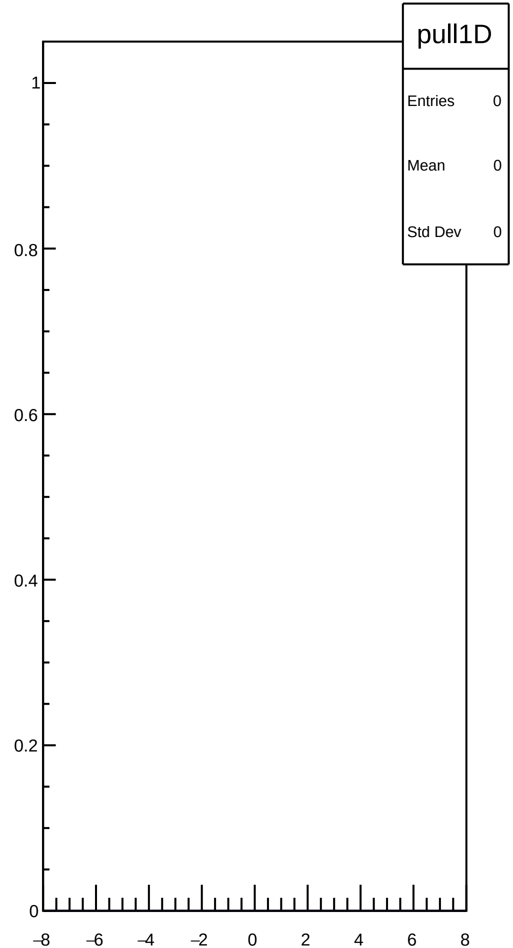
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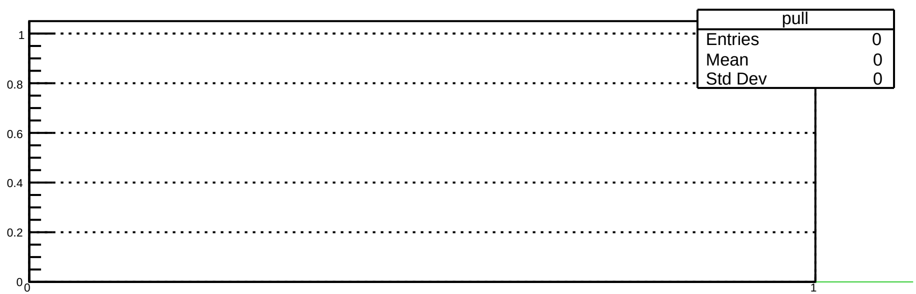

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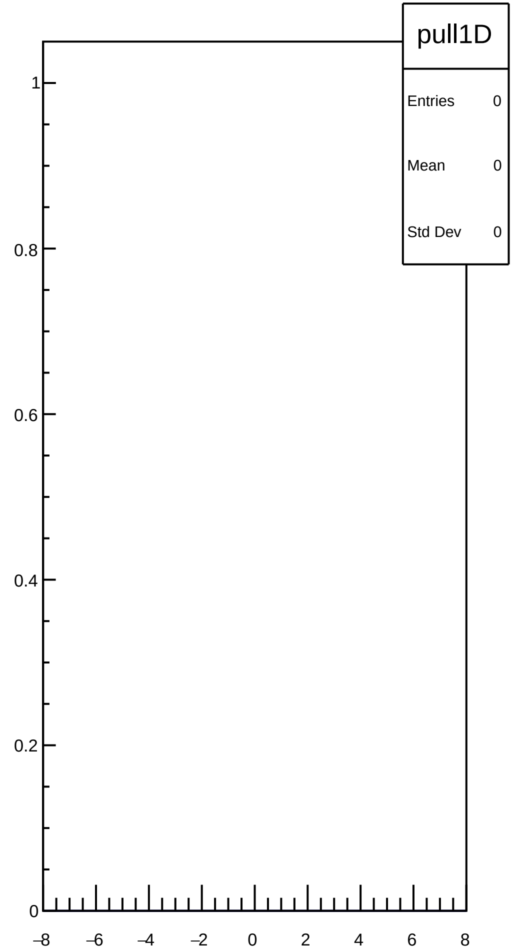

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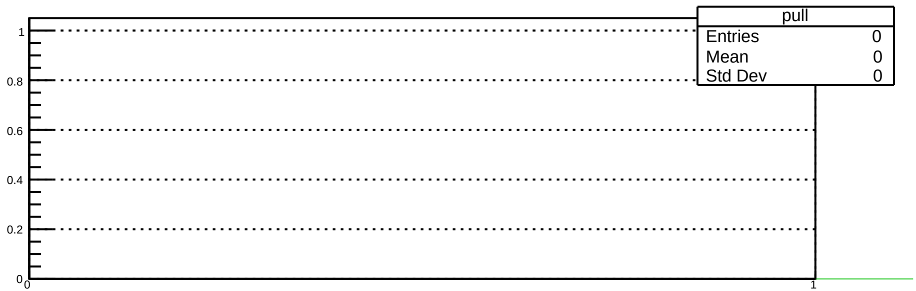

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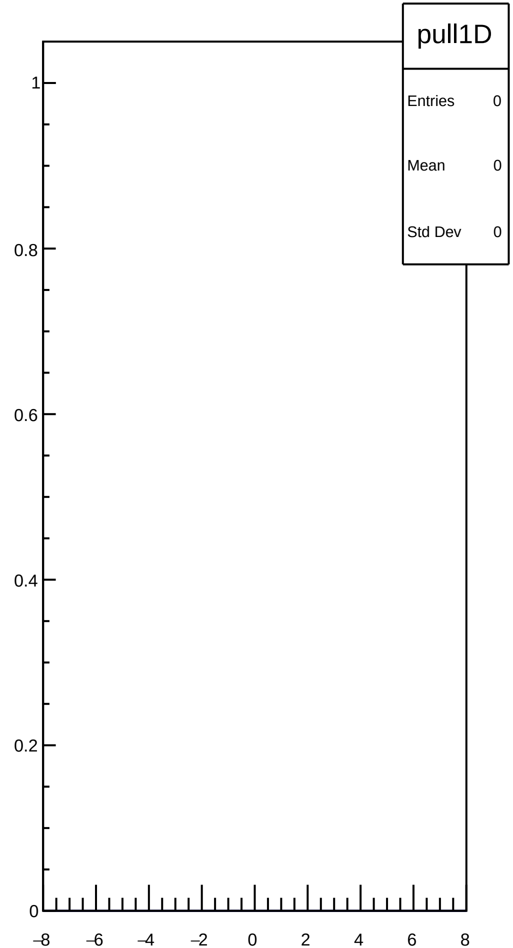

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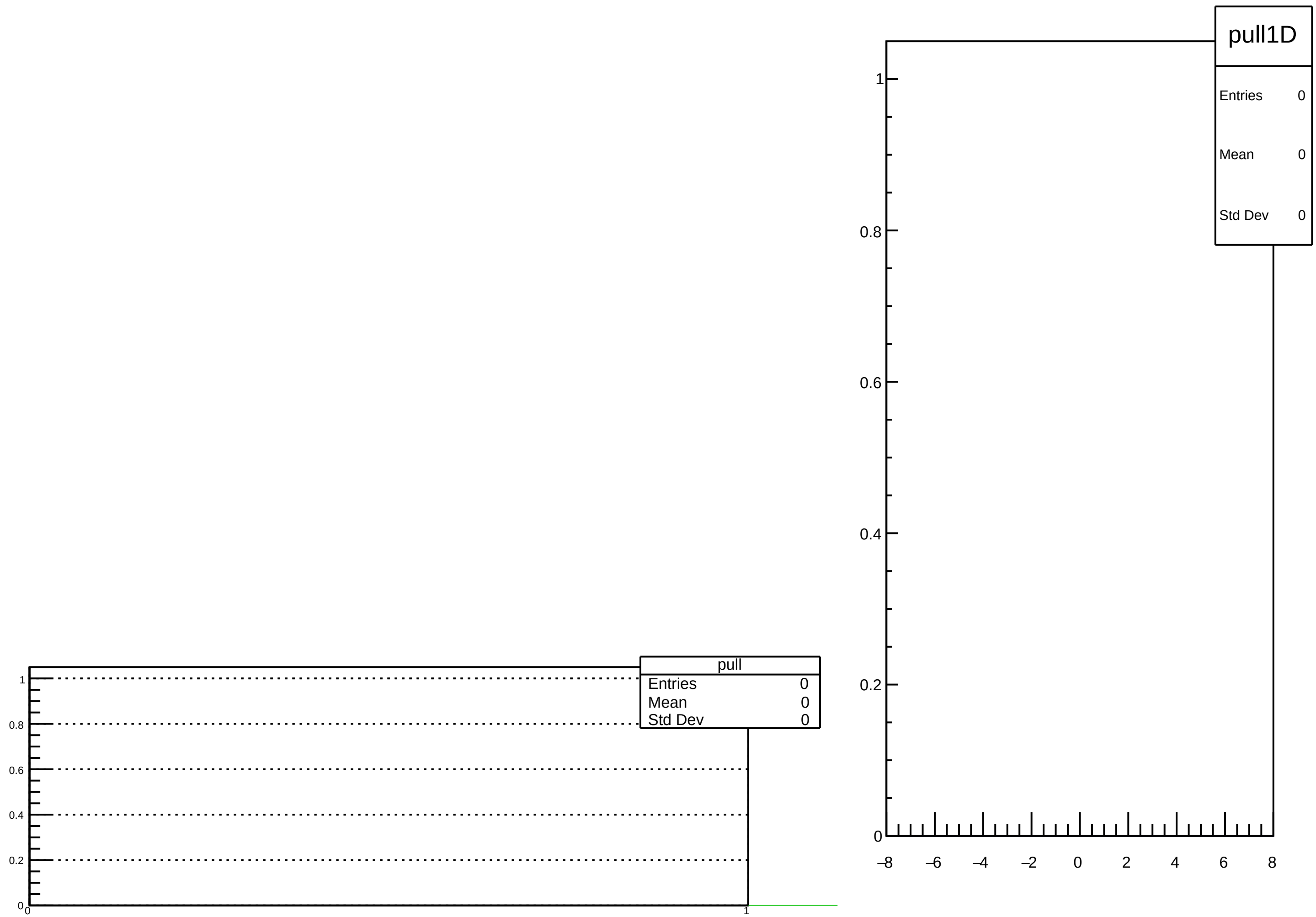

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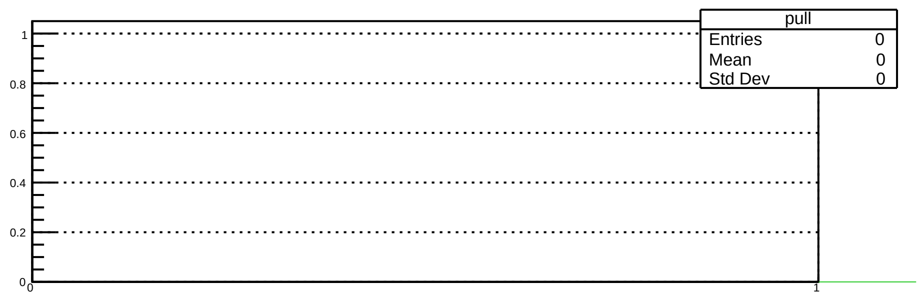

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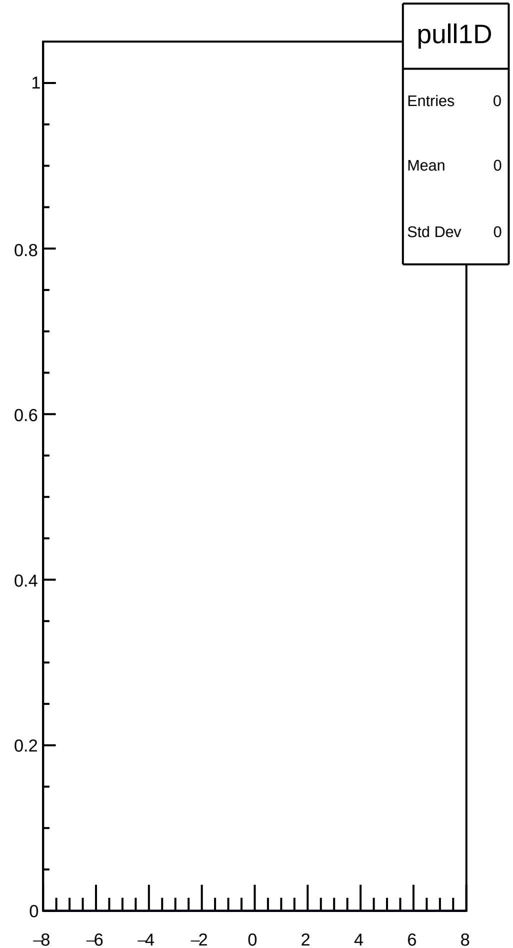

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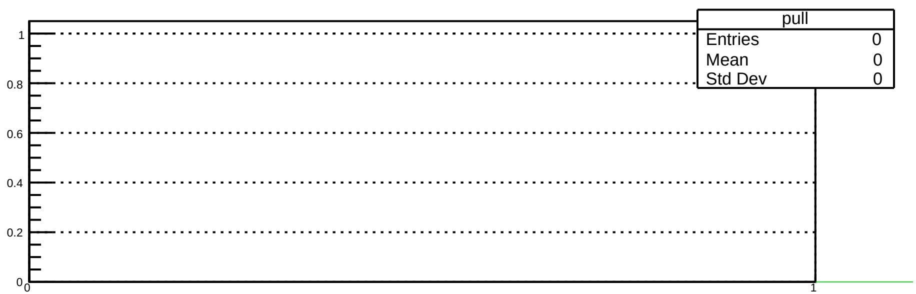
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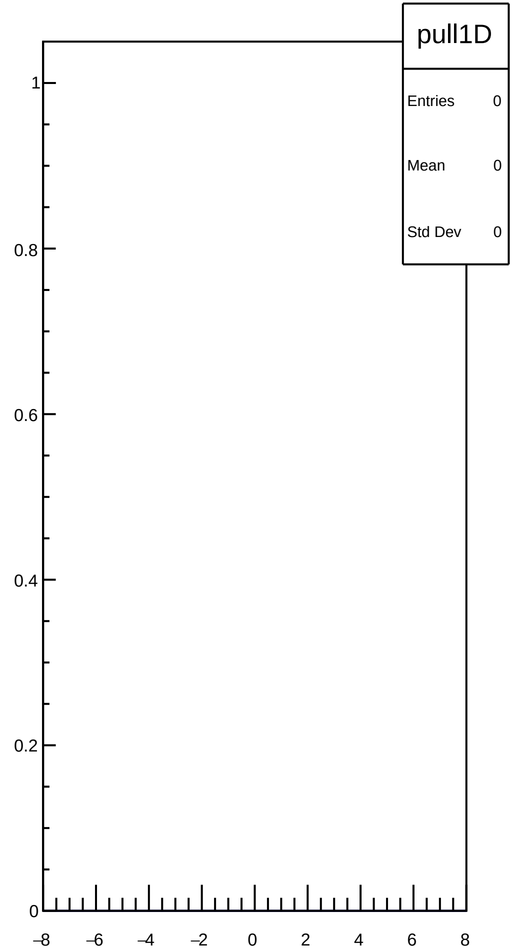
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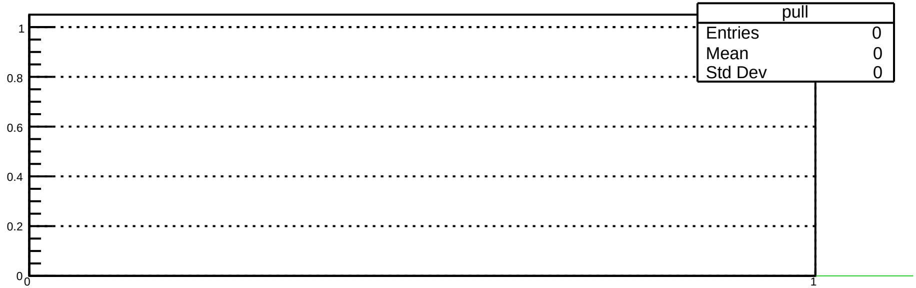
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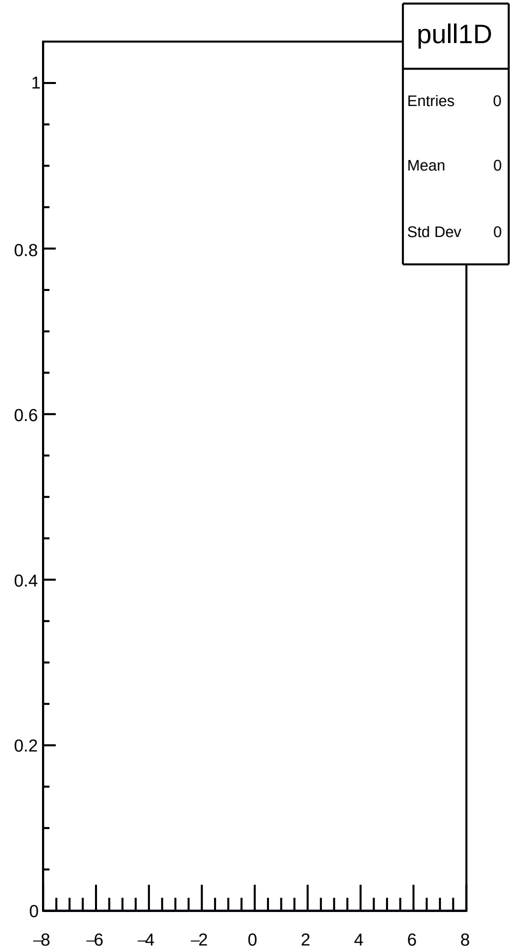
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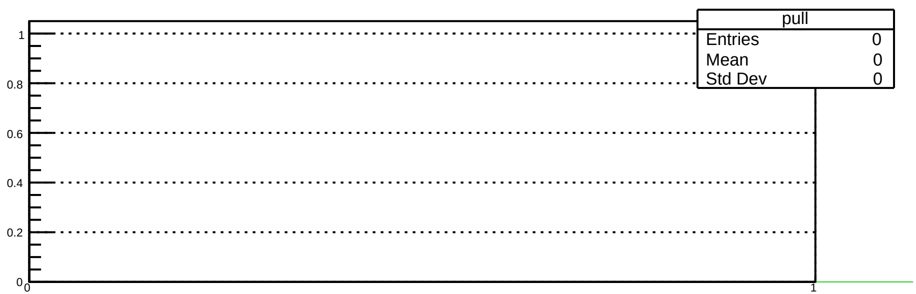

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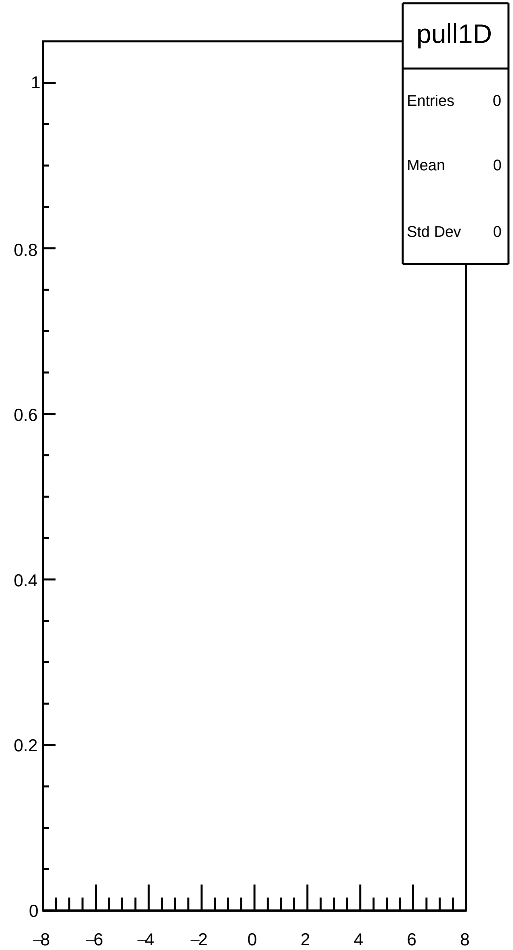

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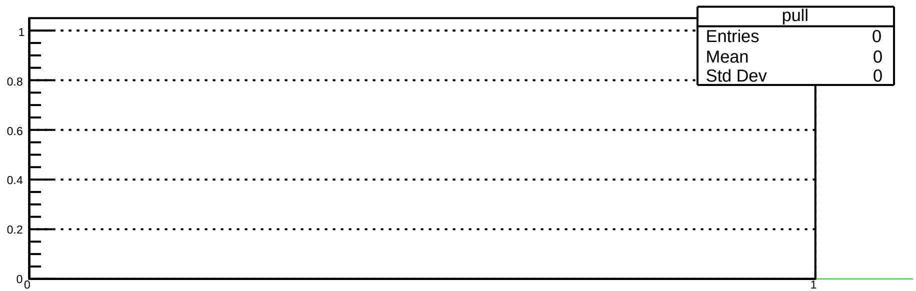
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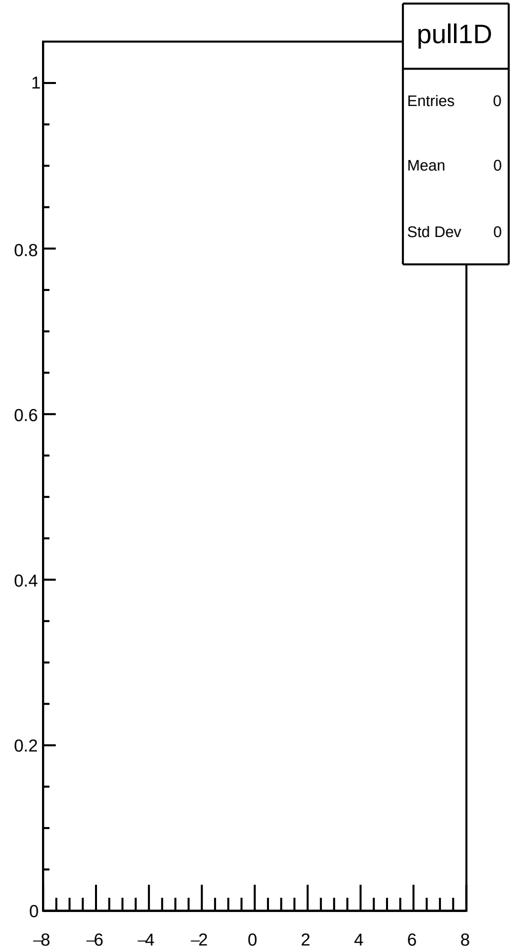
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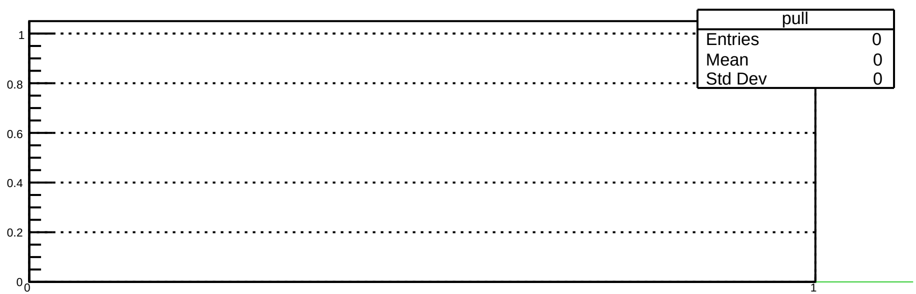

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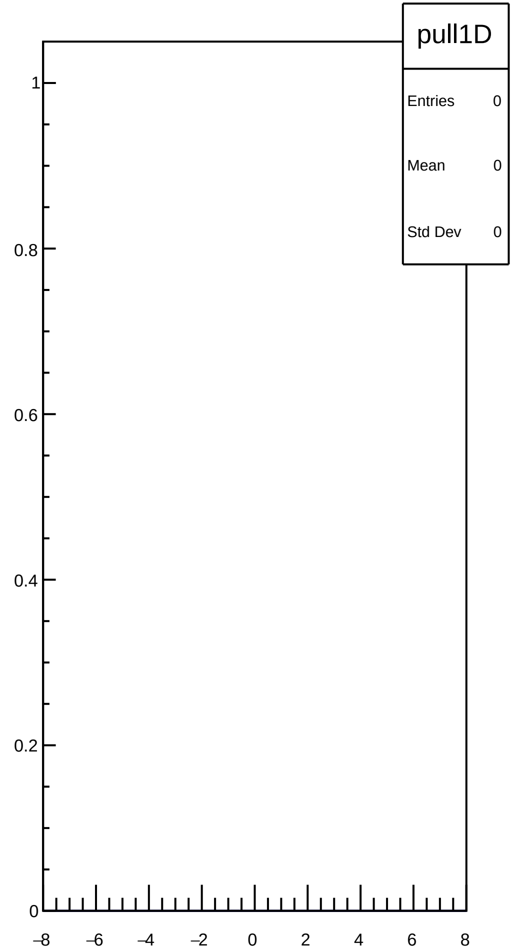

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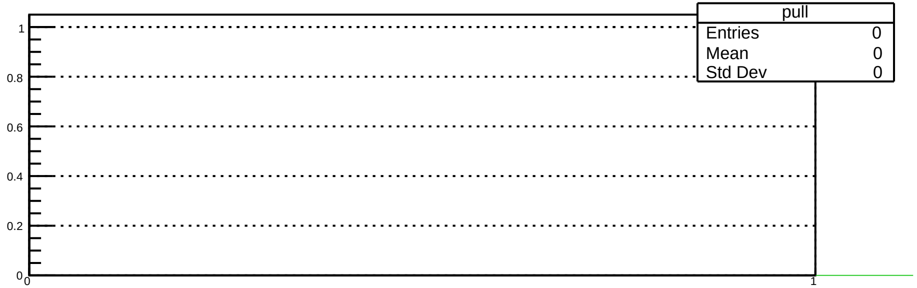

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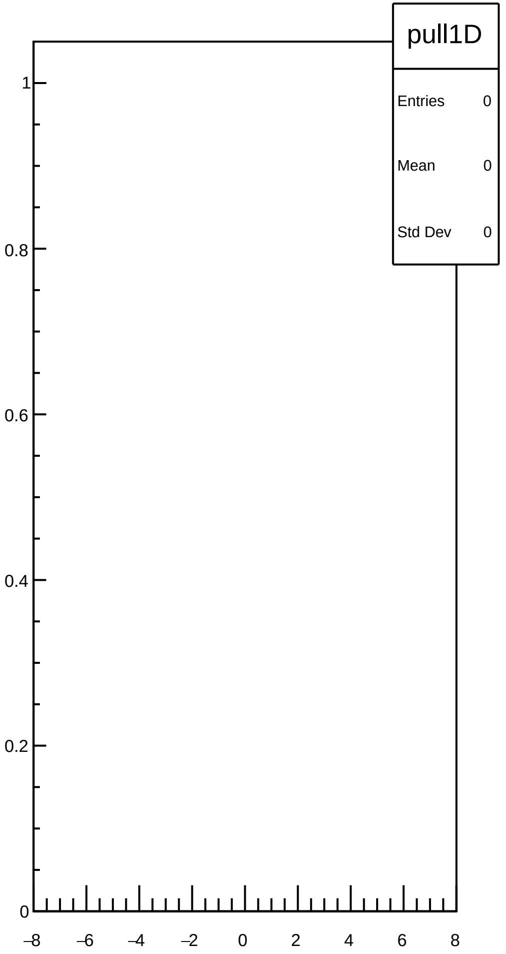

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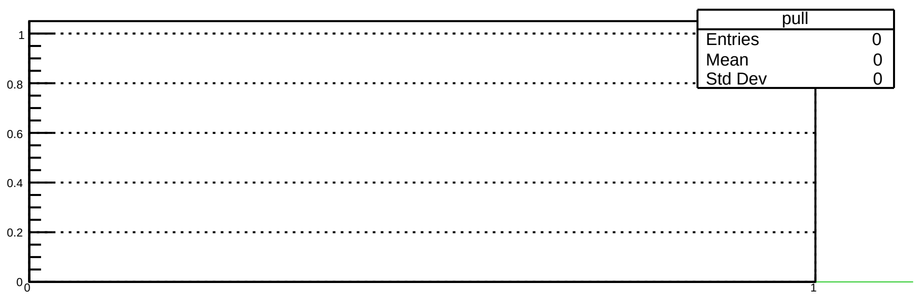

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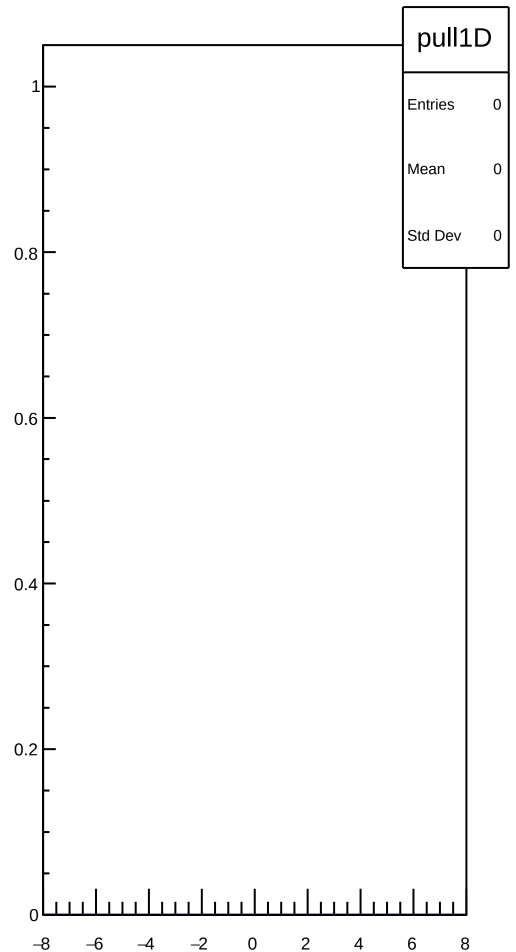

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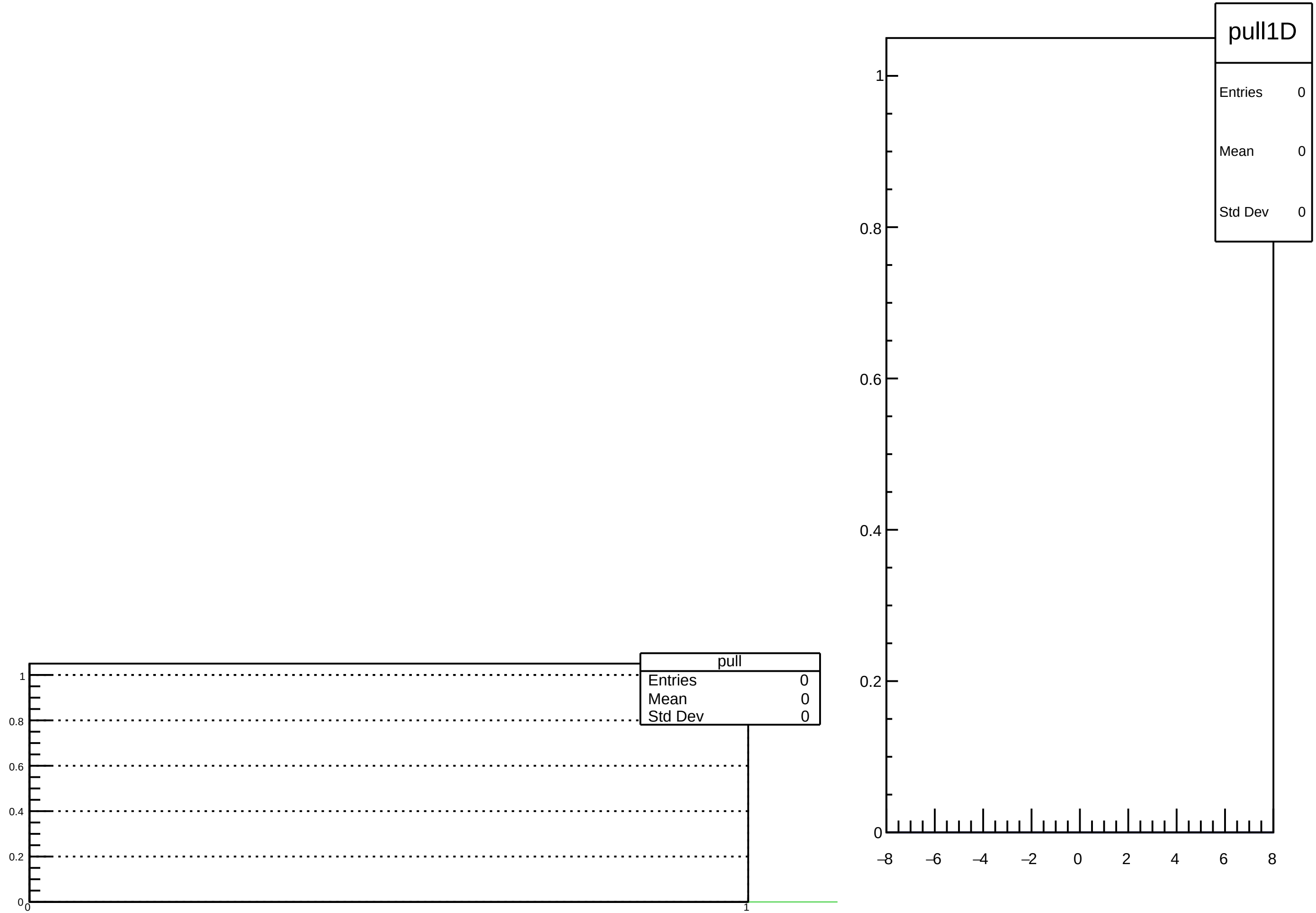

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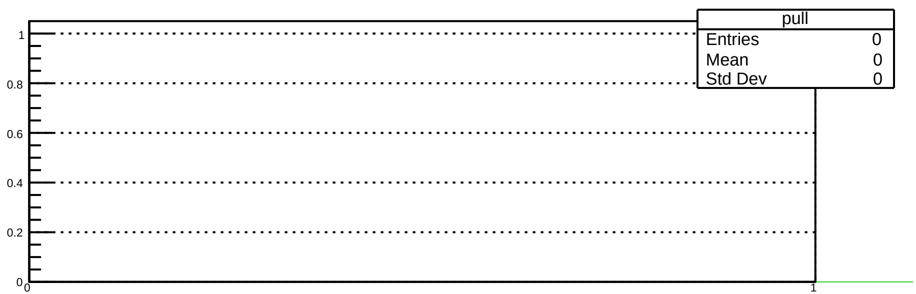
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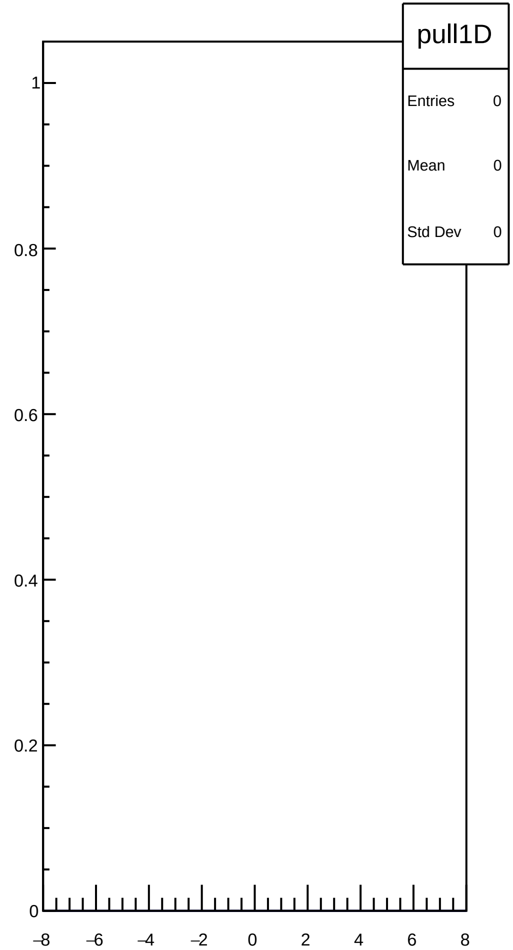
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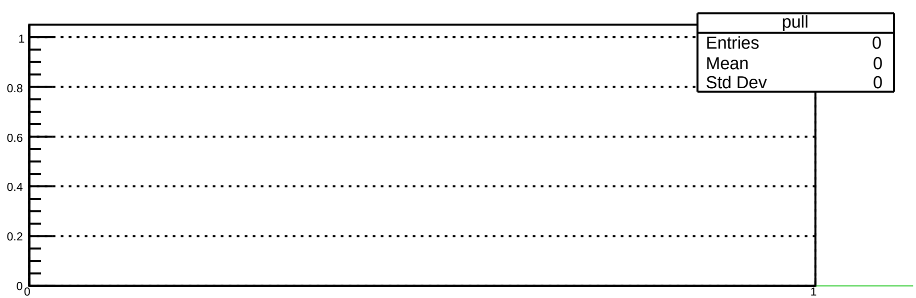
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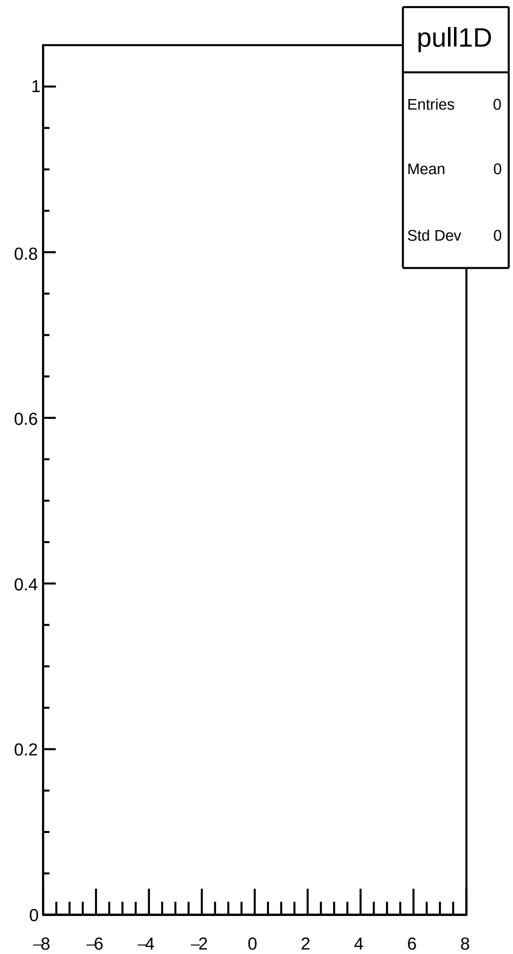
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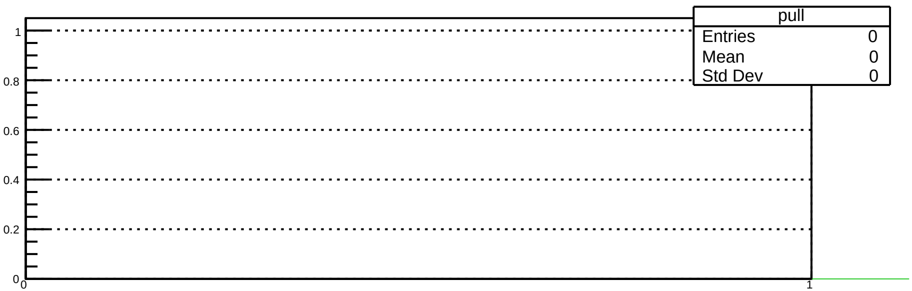
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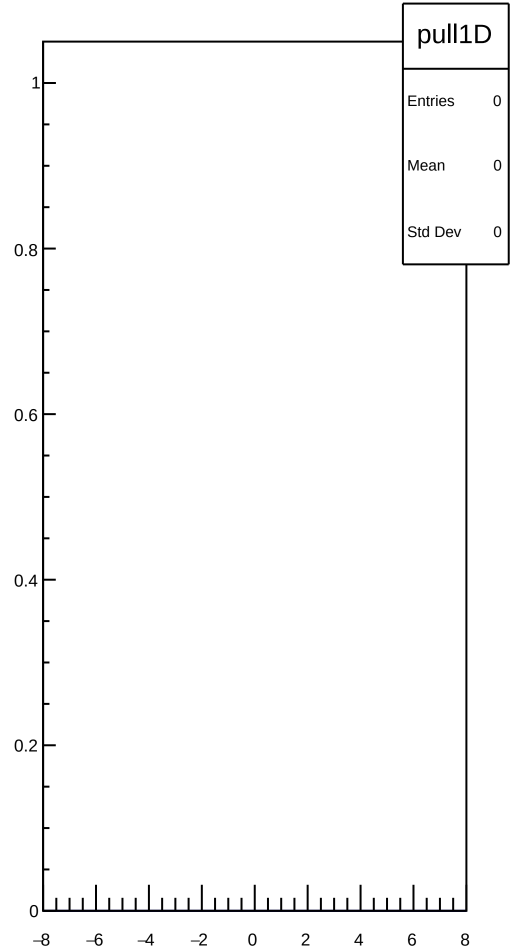
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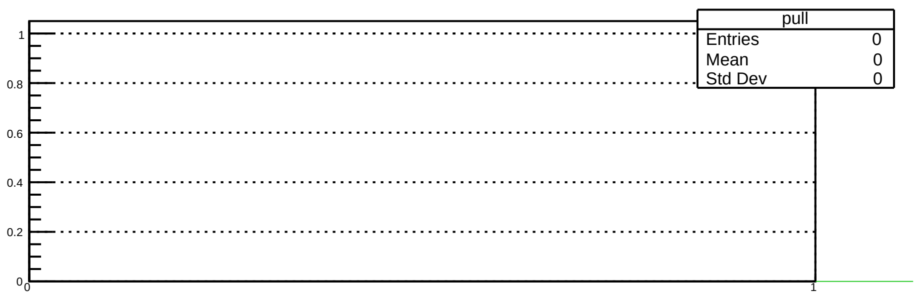
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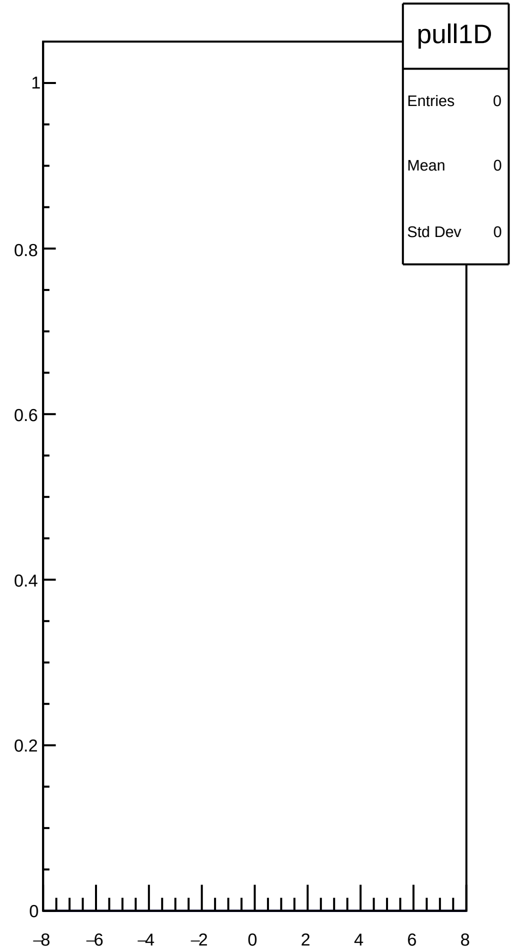
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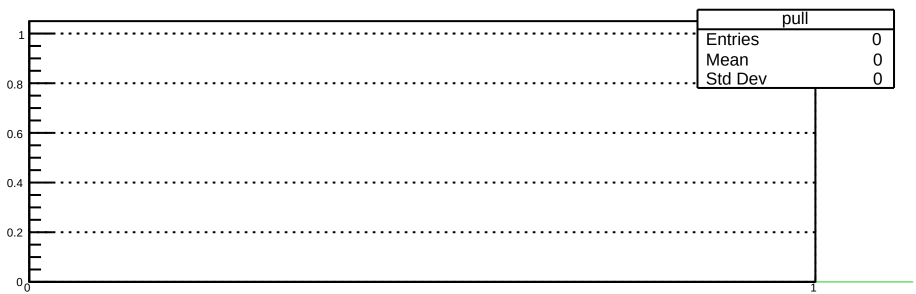

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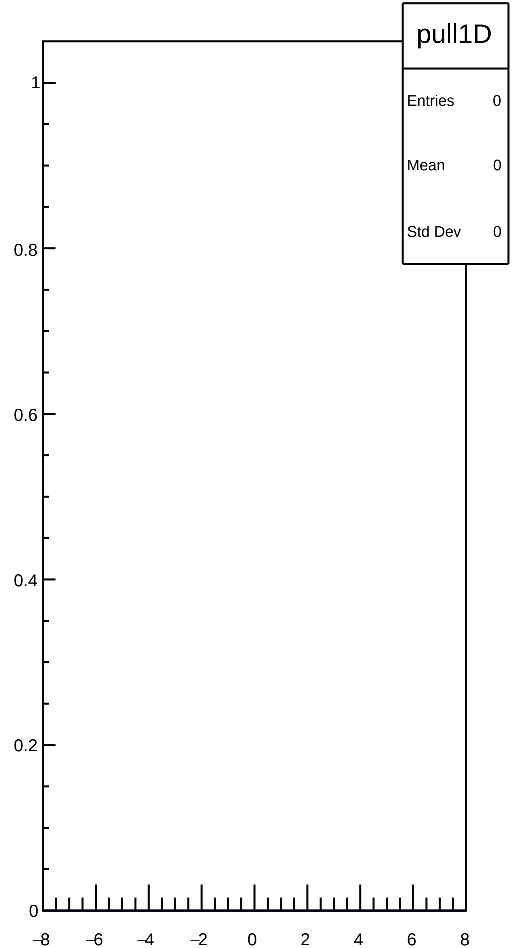

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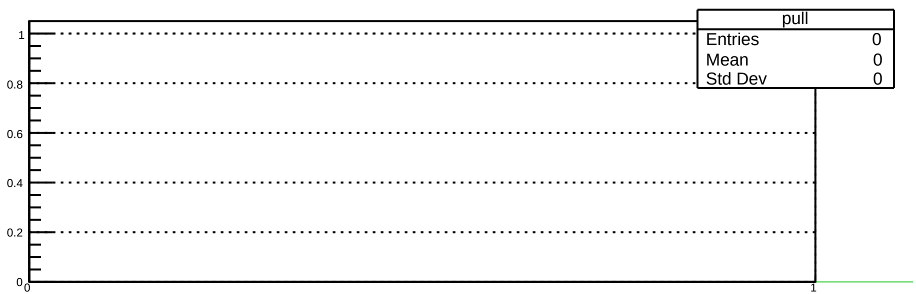

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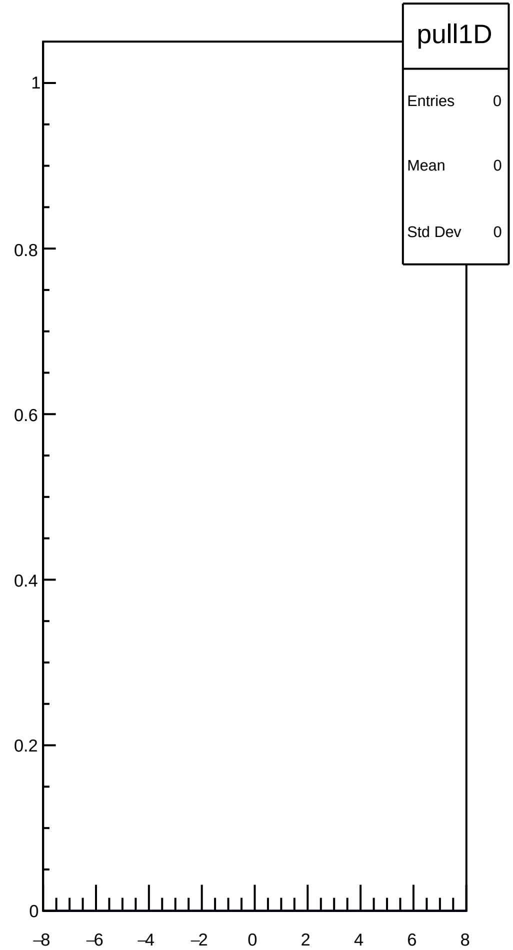

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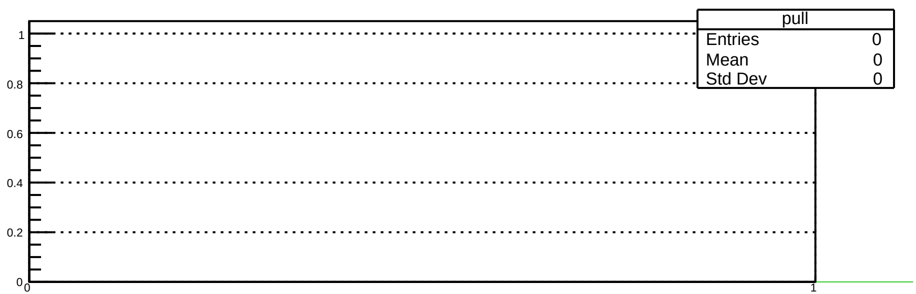

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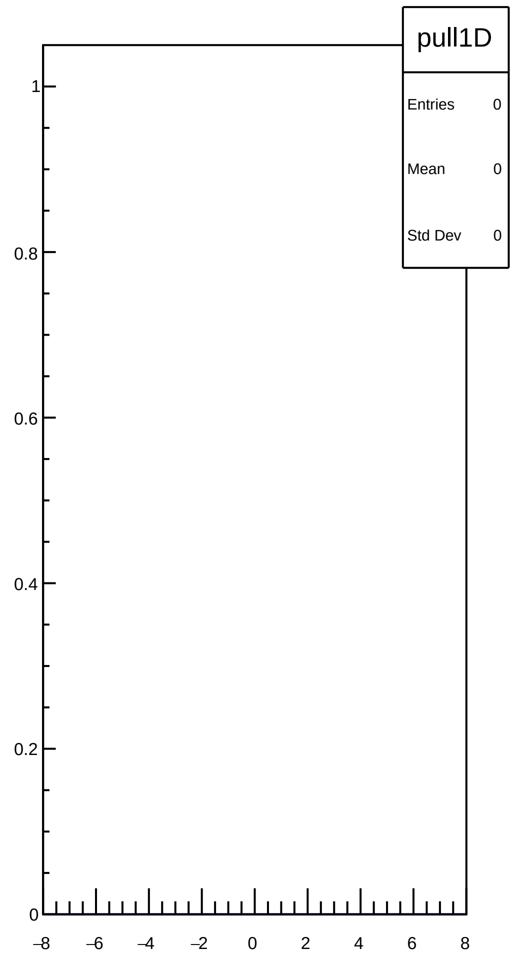

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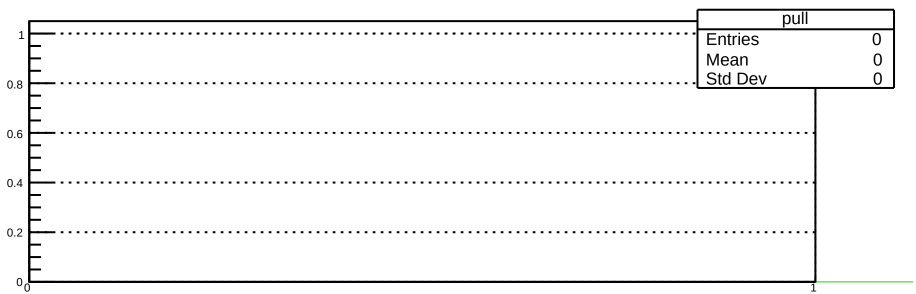

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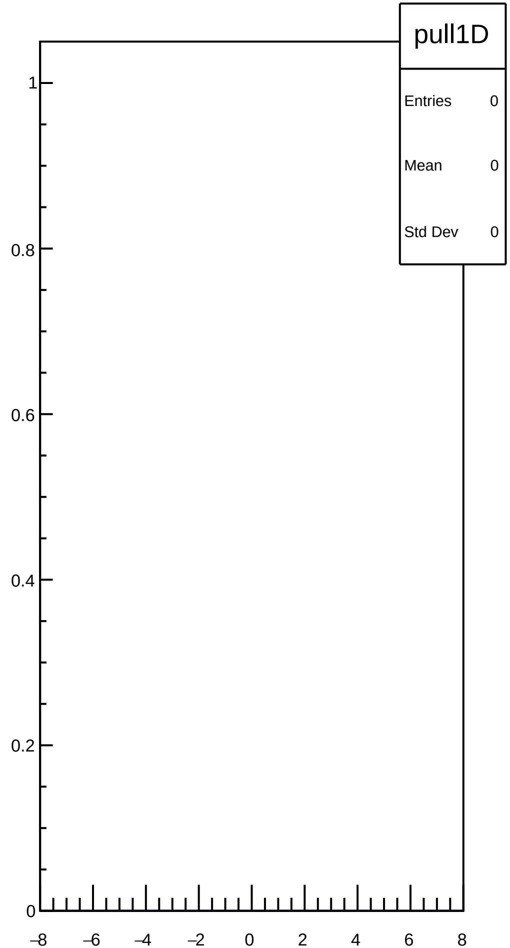

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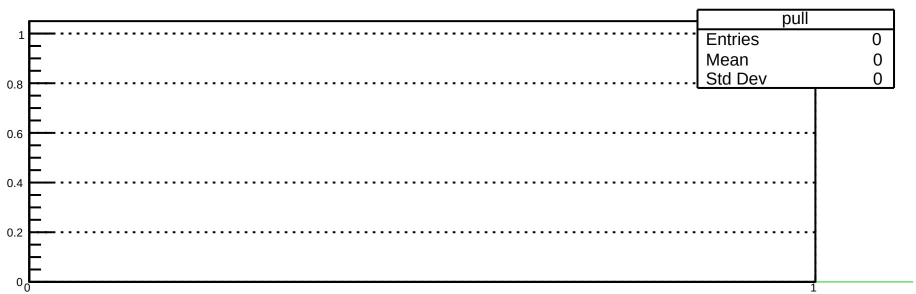

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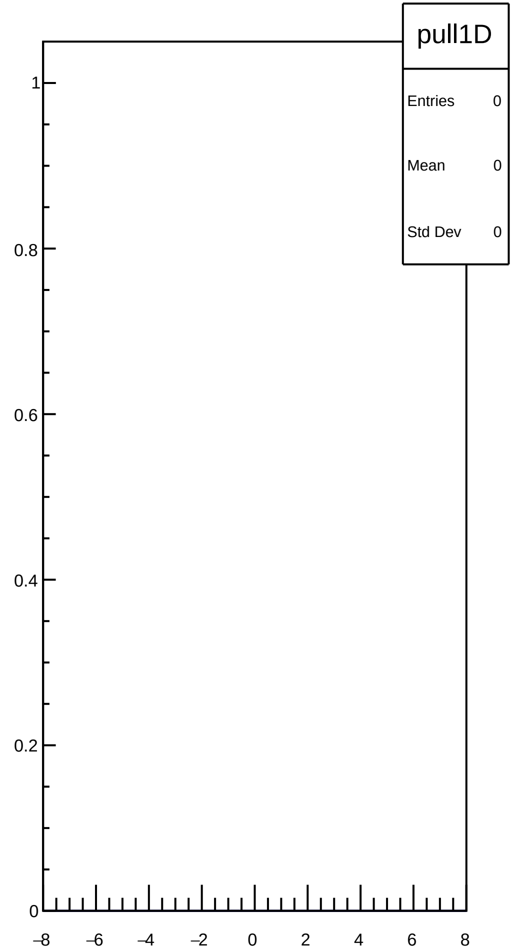

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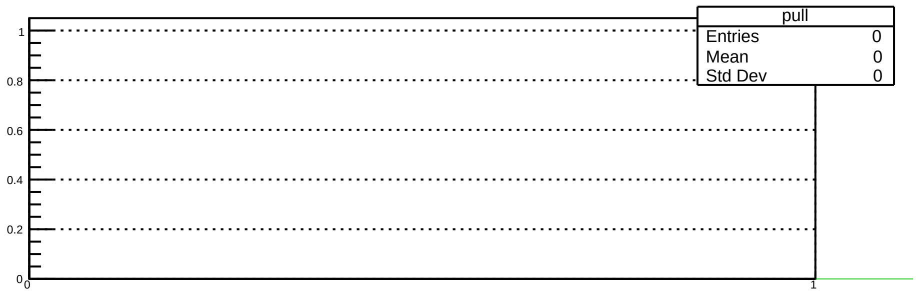

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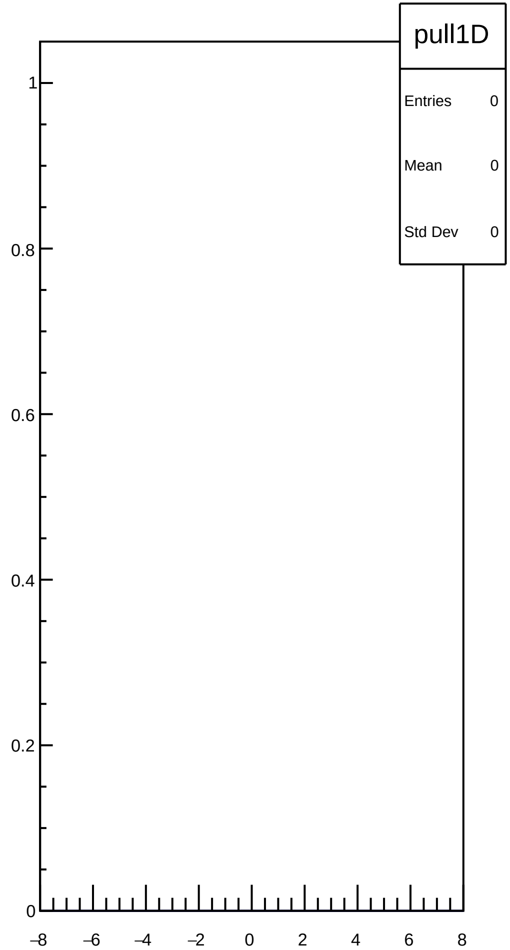

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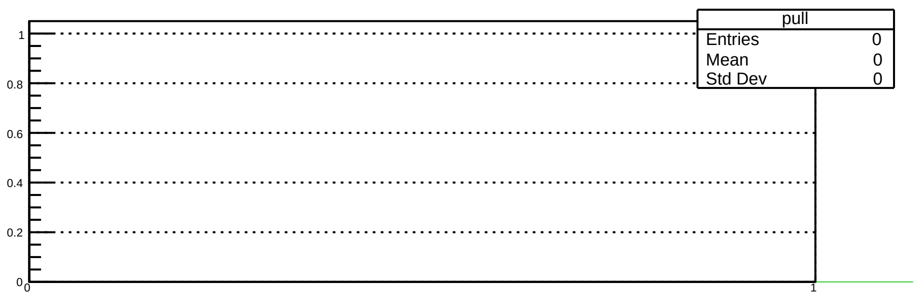
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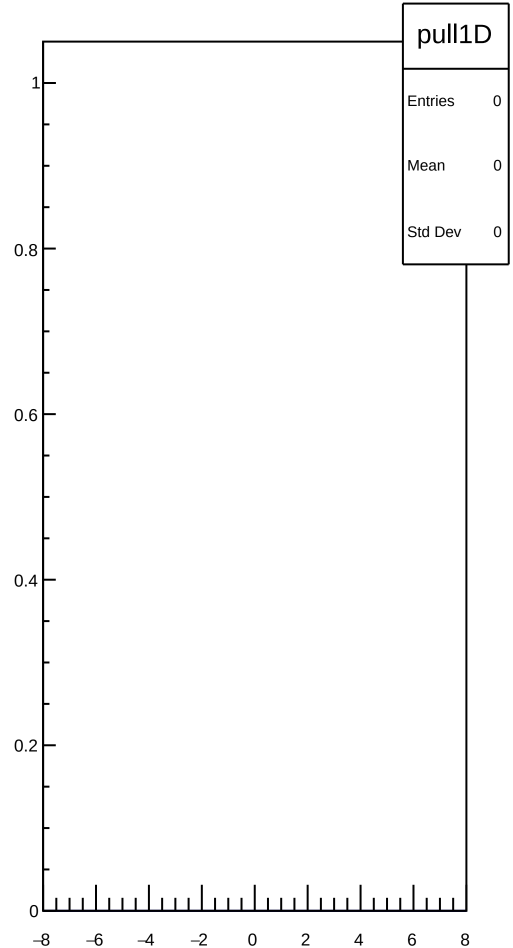
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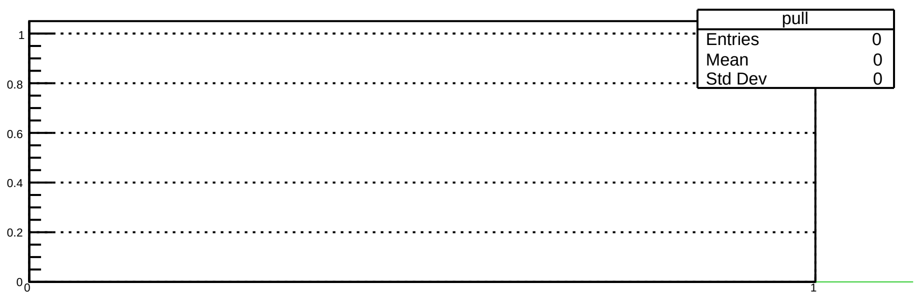
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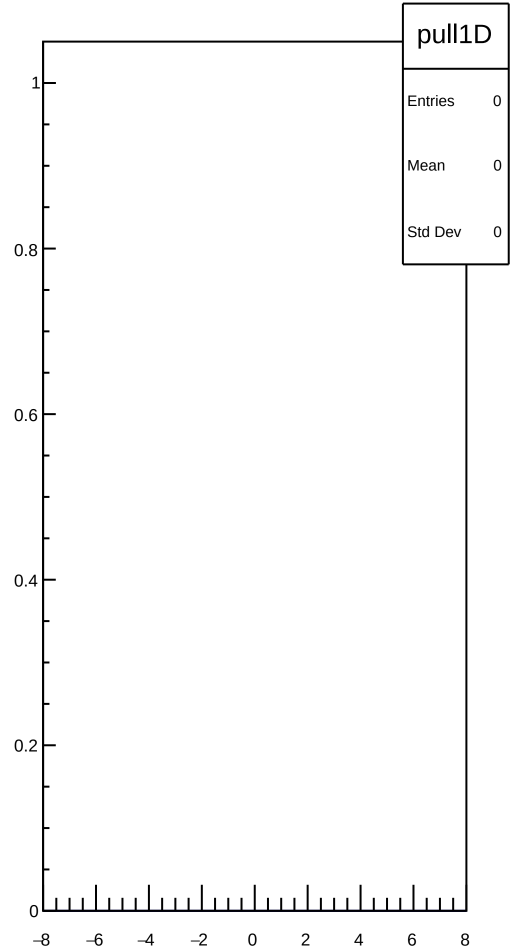
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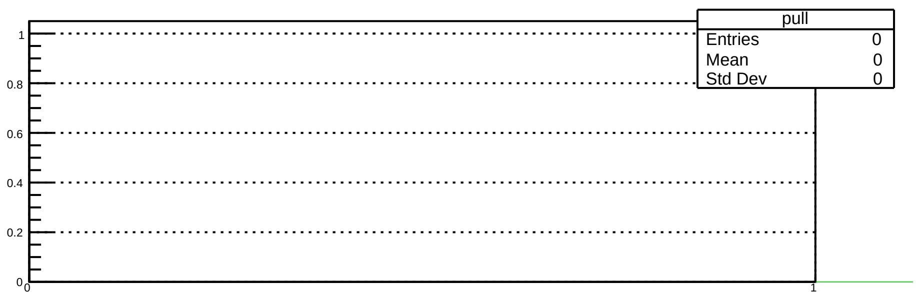
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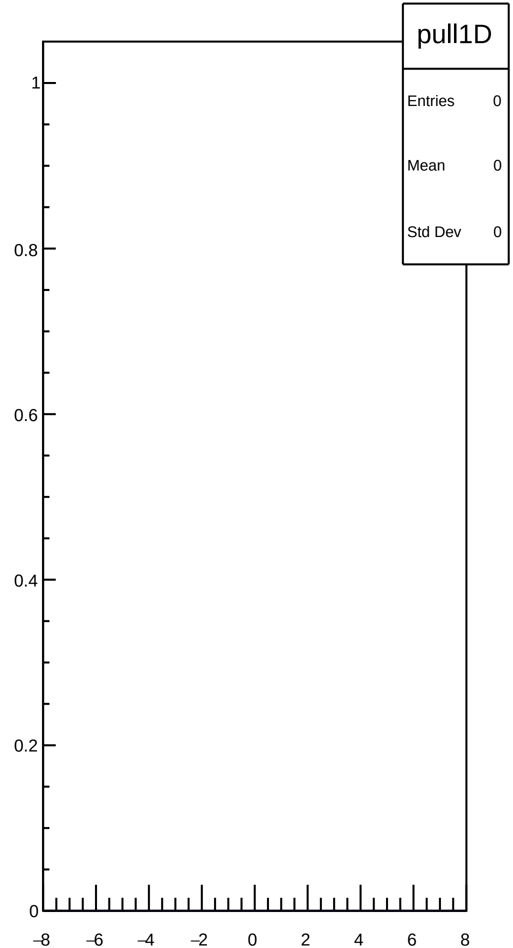
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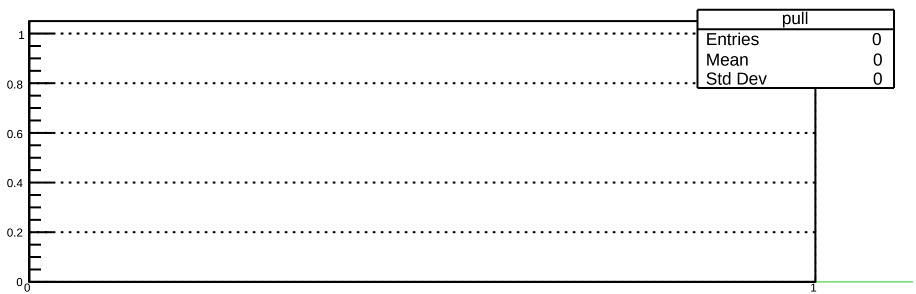
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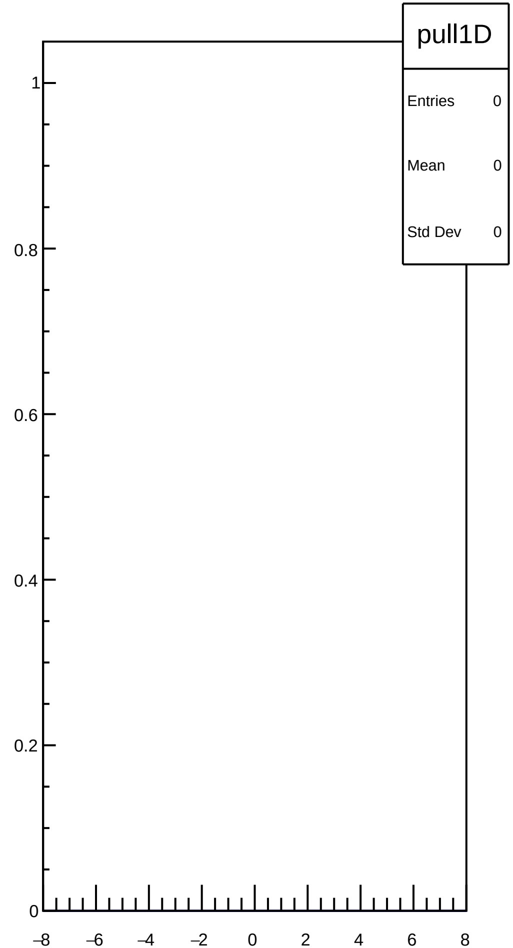
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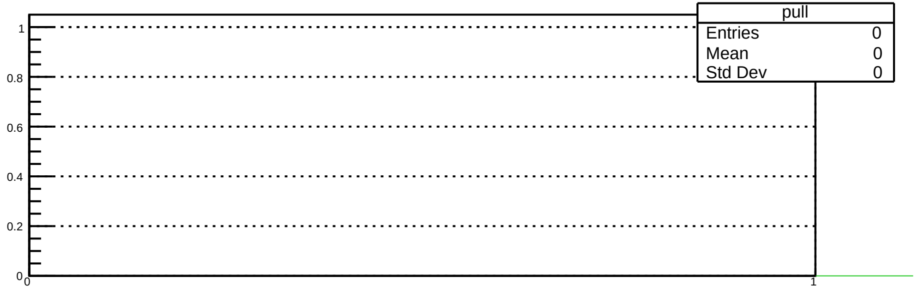
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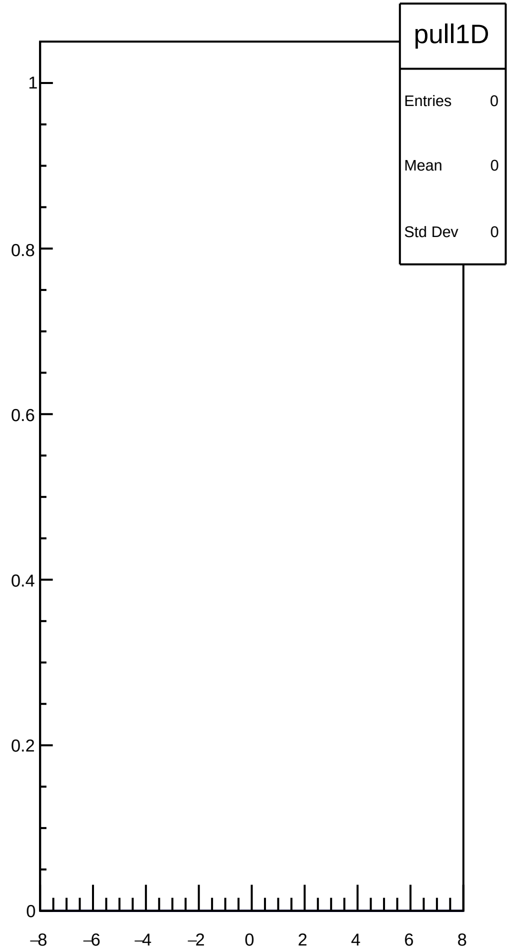
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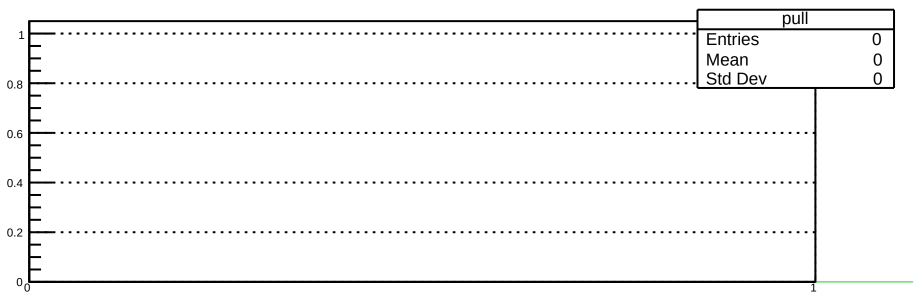
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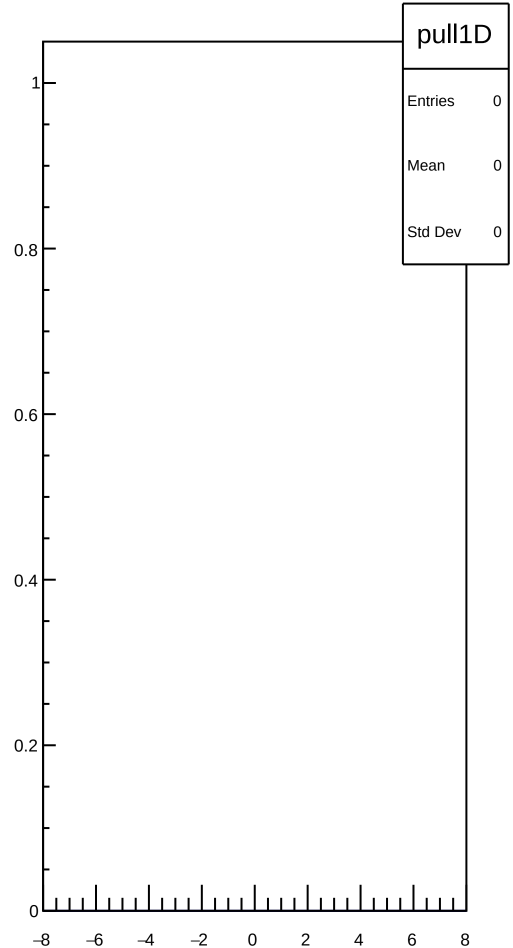
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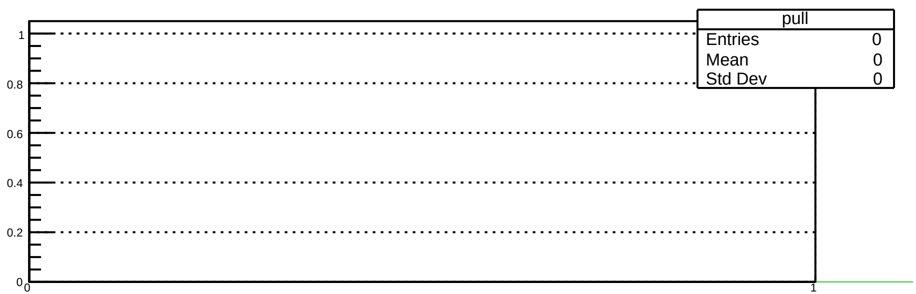
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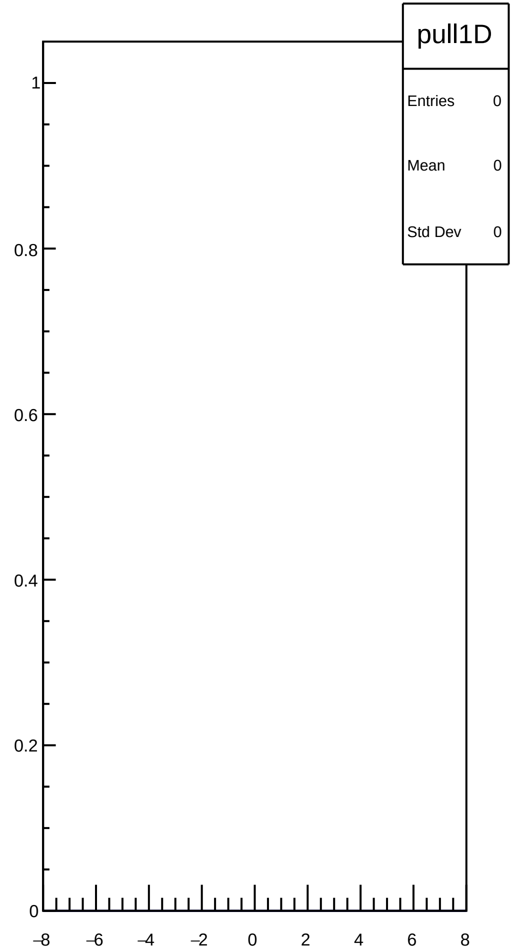
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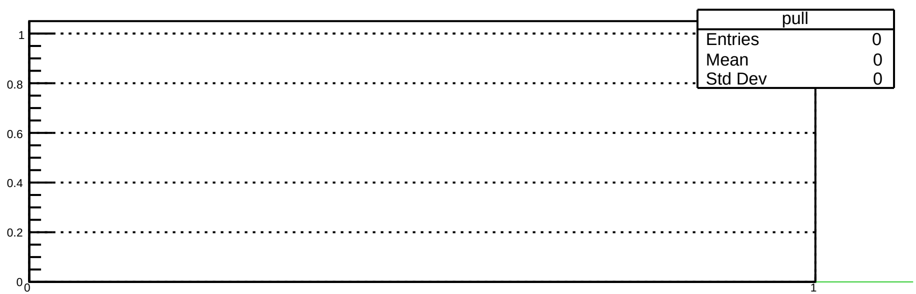
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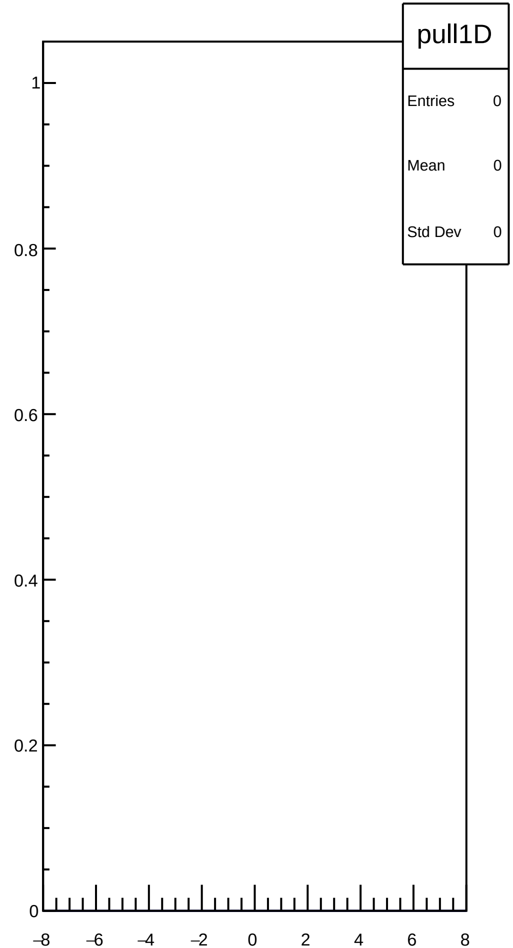
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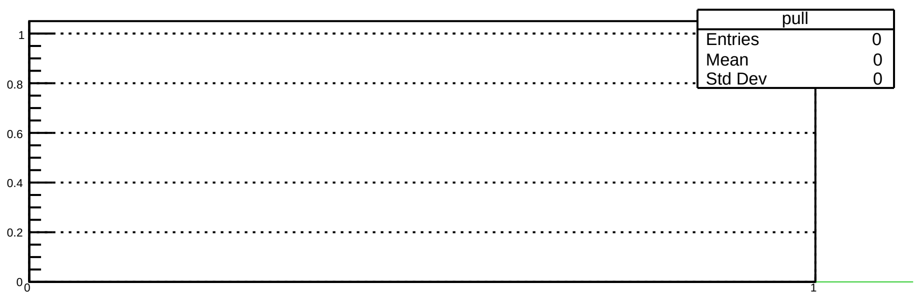
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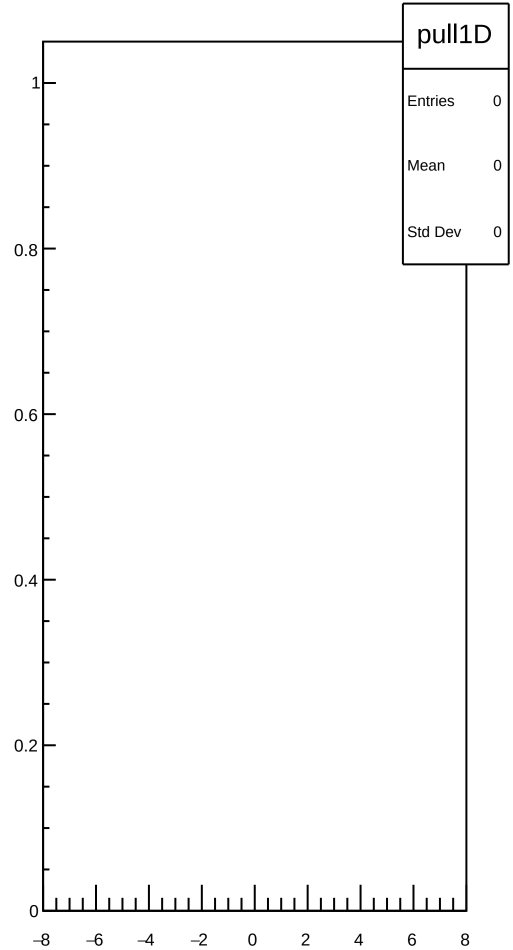
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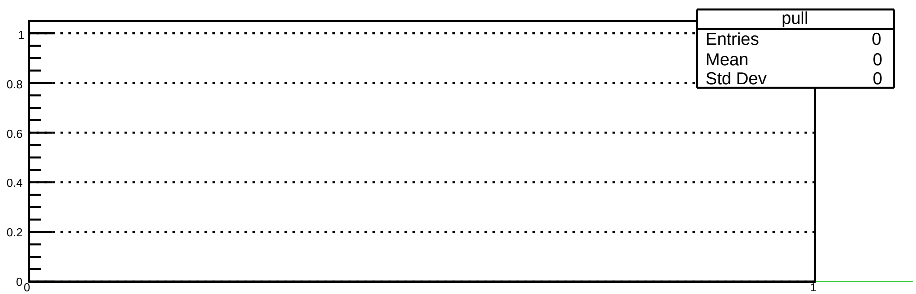
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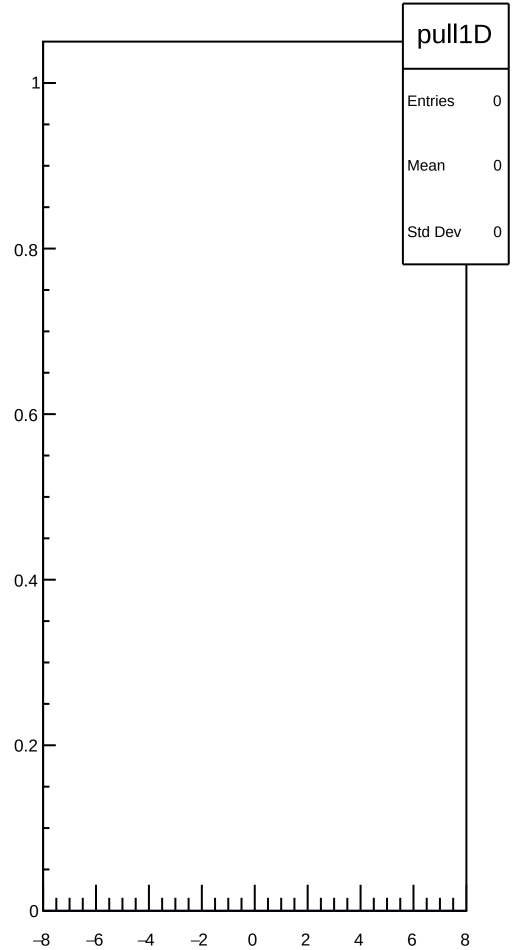
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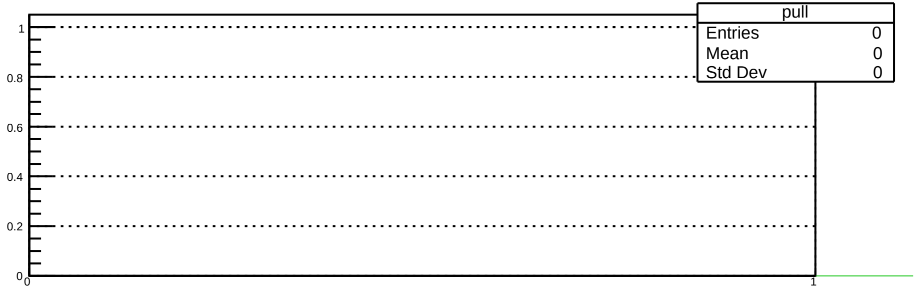
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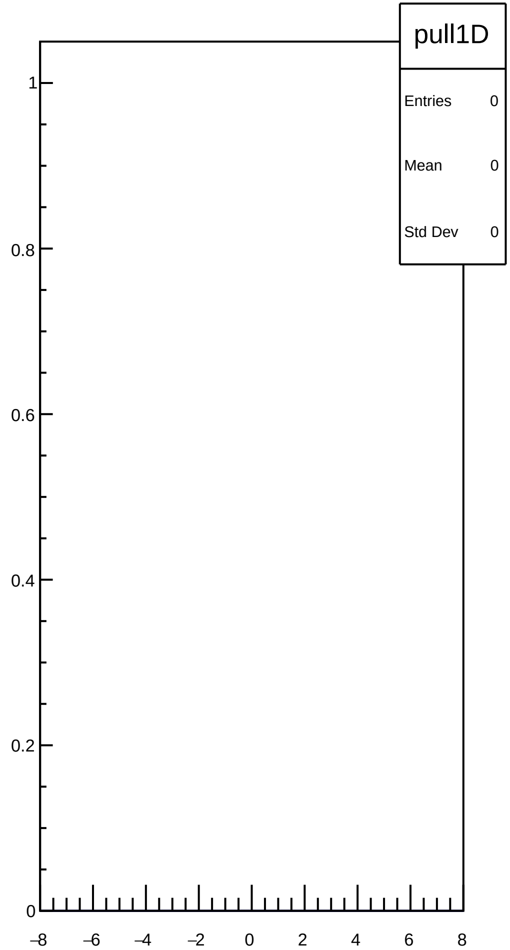
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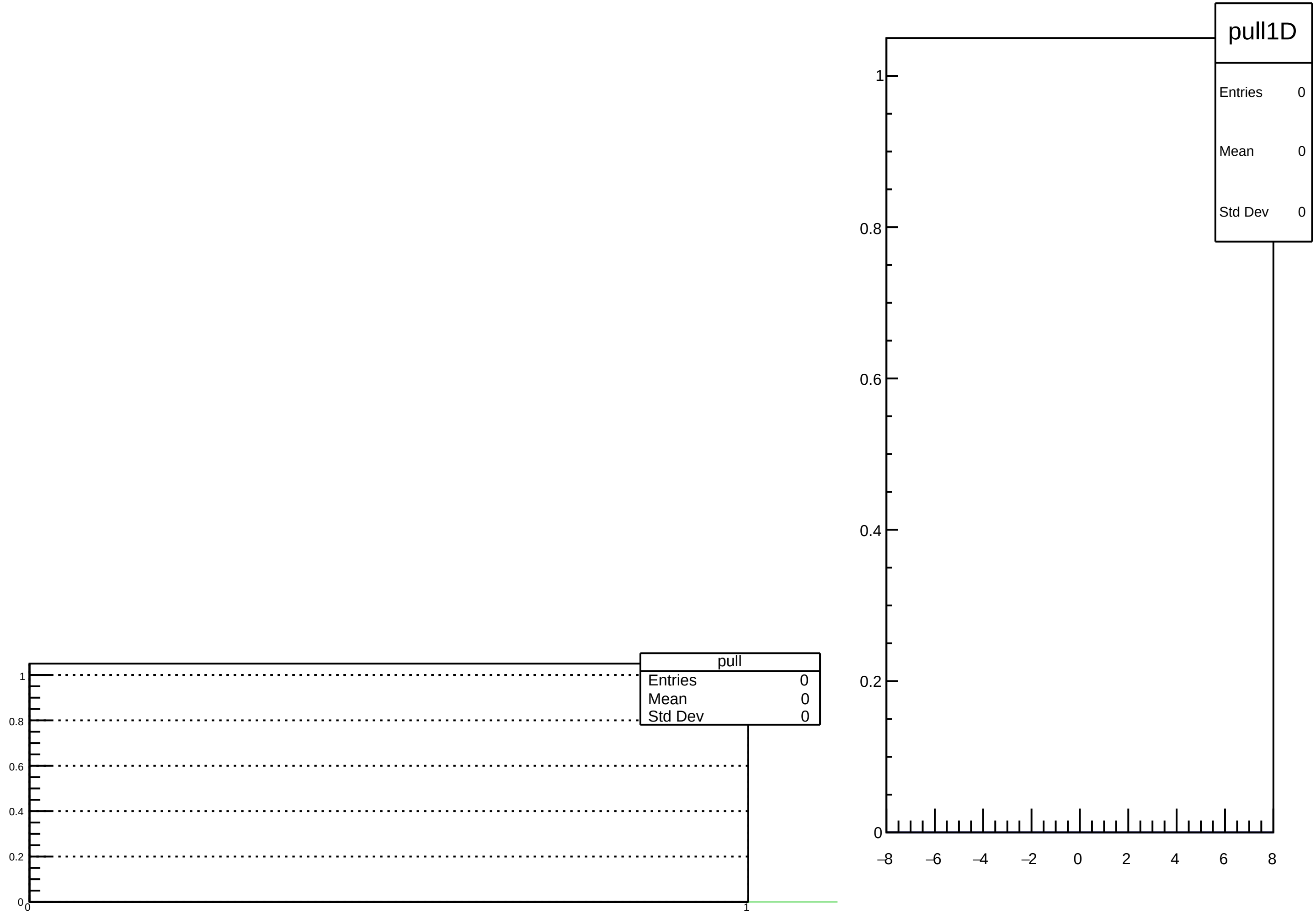
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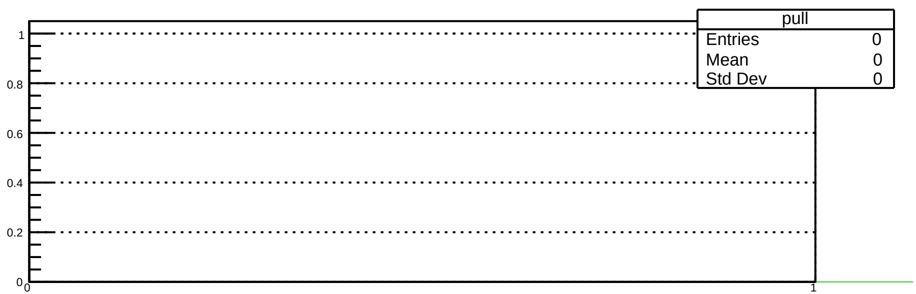
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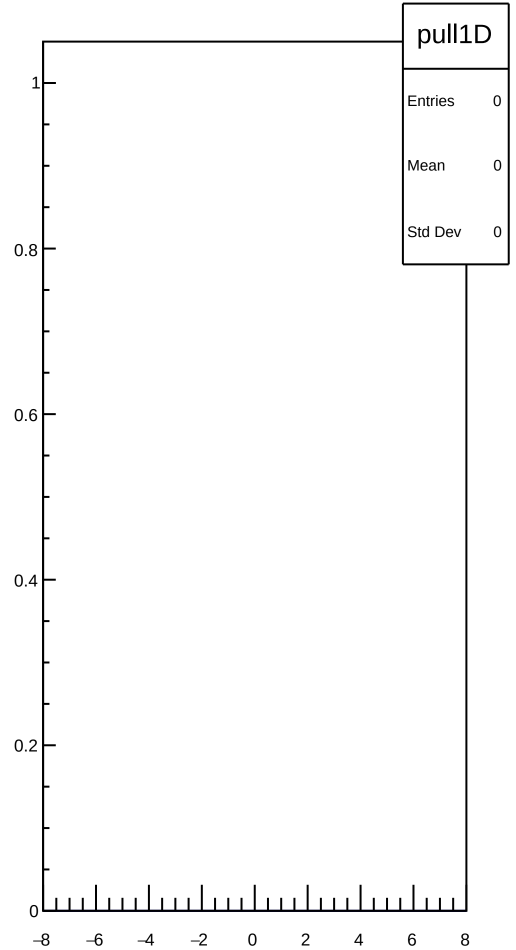
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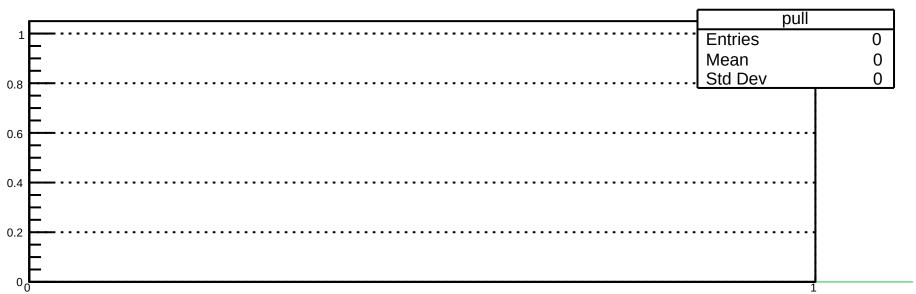

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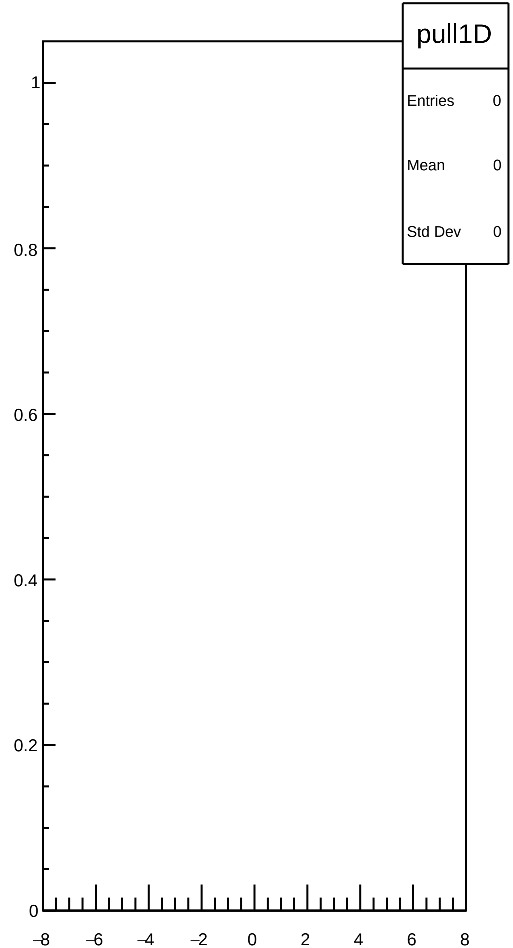

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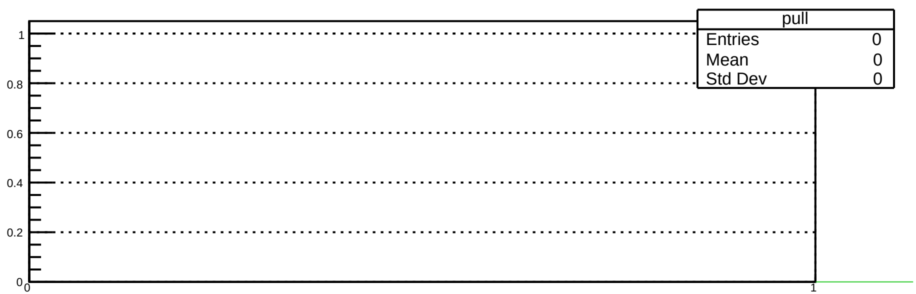

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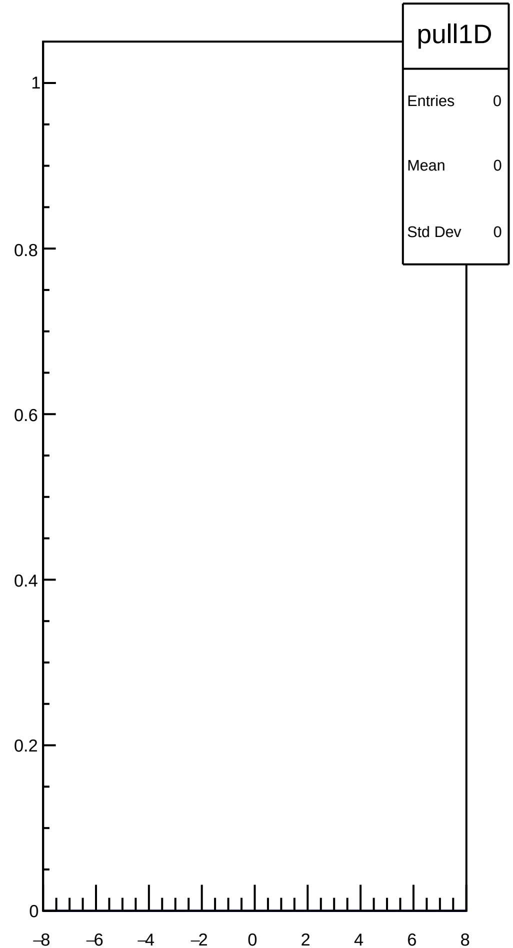

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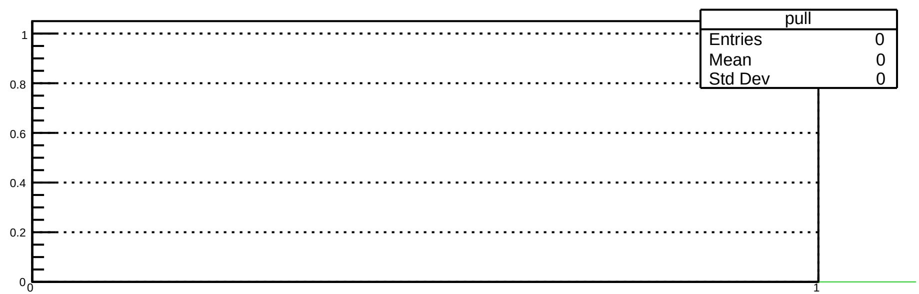

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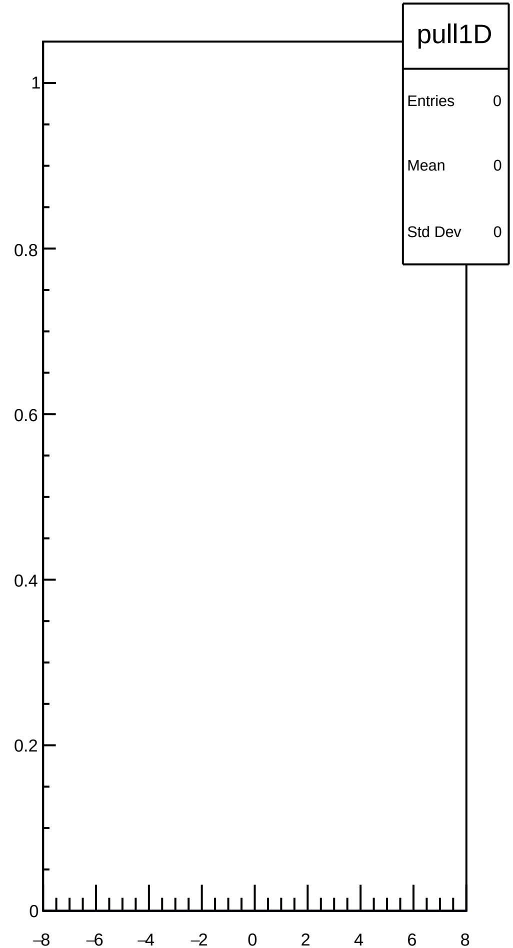

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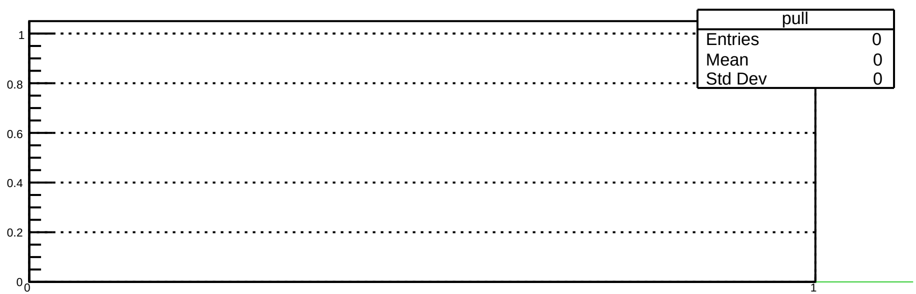

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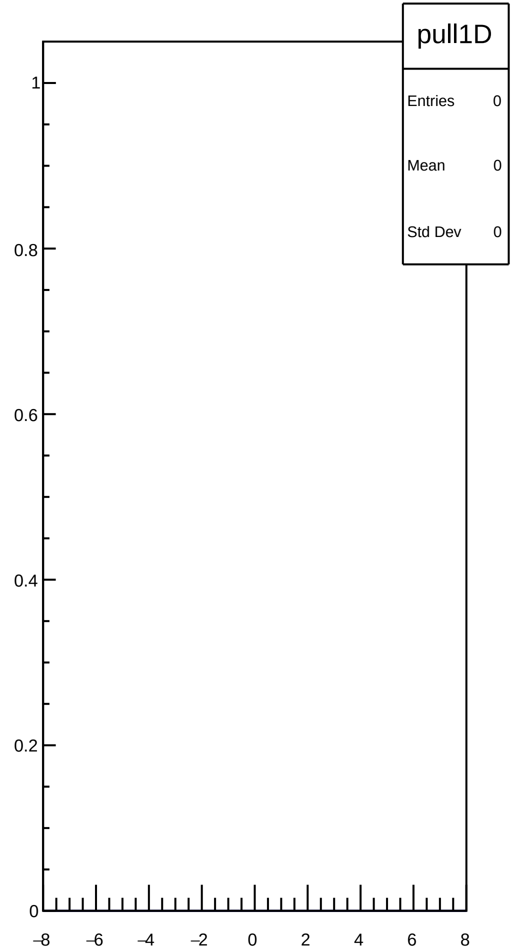

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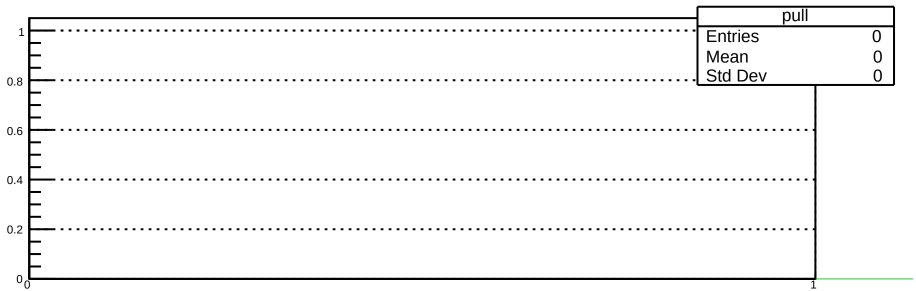
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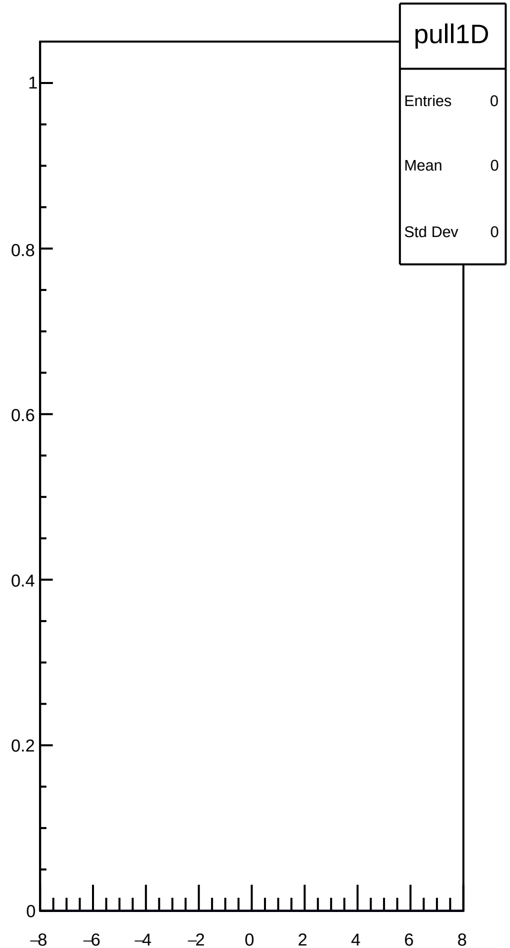
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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–4
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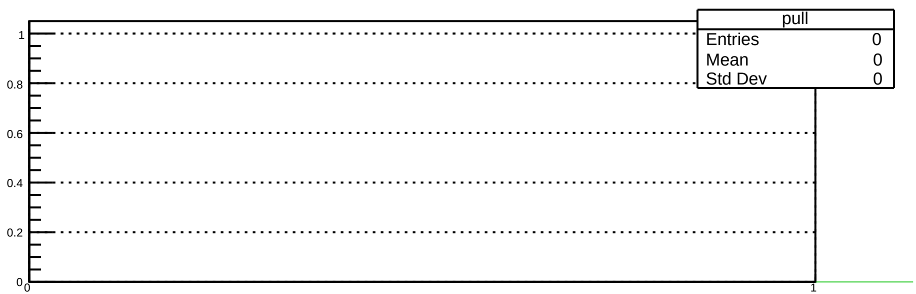

pull
Entries 0
Mean 0
Std Dev 0
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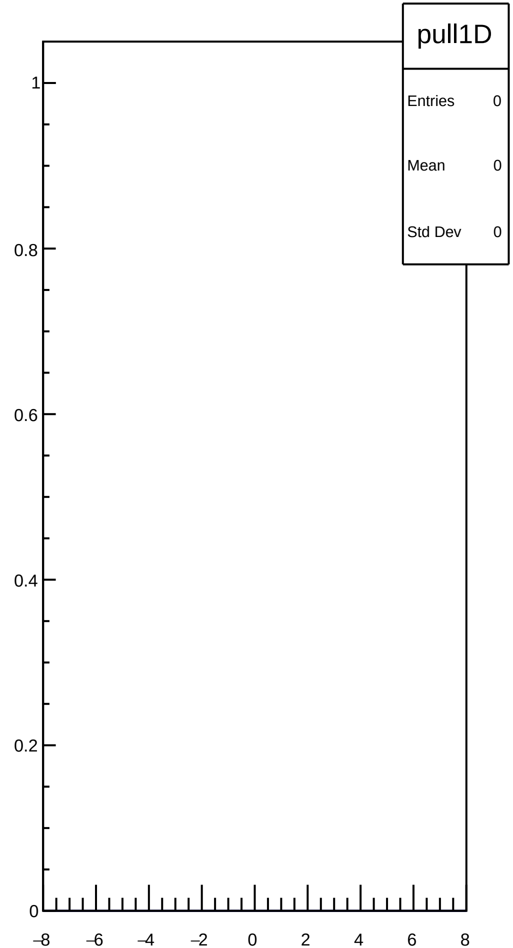

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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−4
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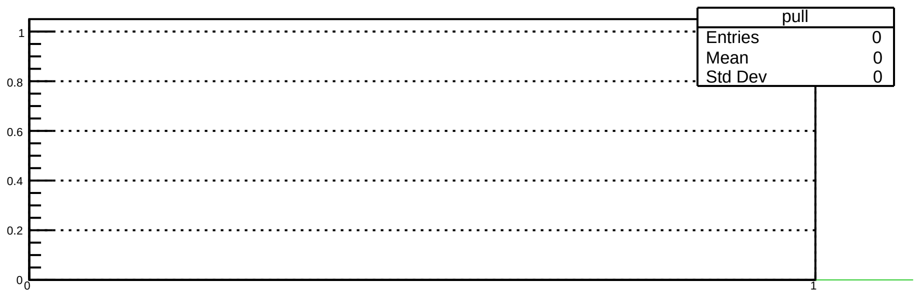

pull
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Std Dev 0
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0.4
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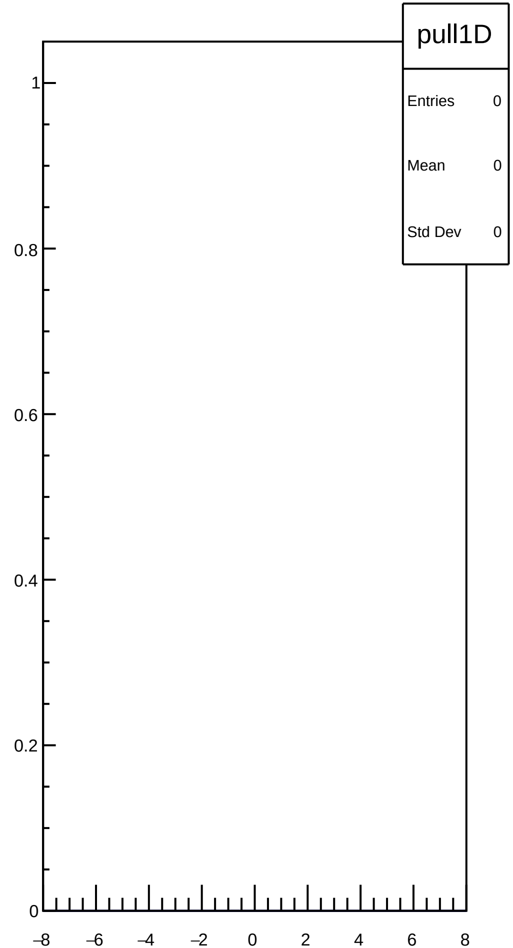

pull1D
Entries 0
Mean 0
Std Dev 0
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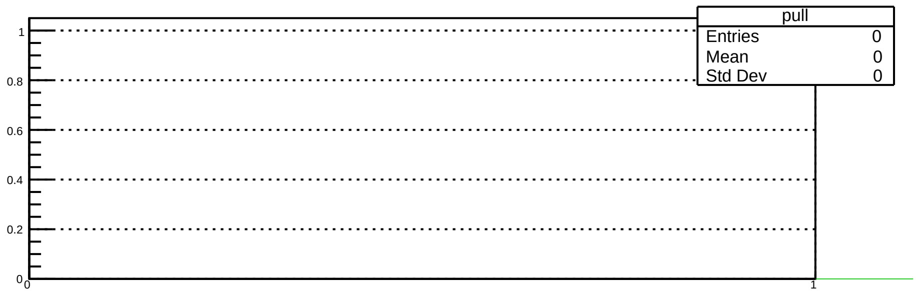

pull
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Std Dev 0
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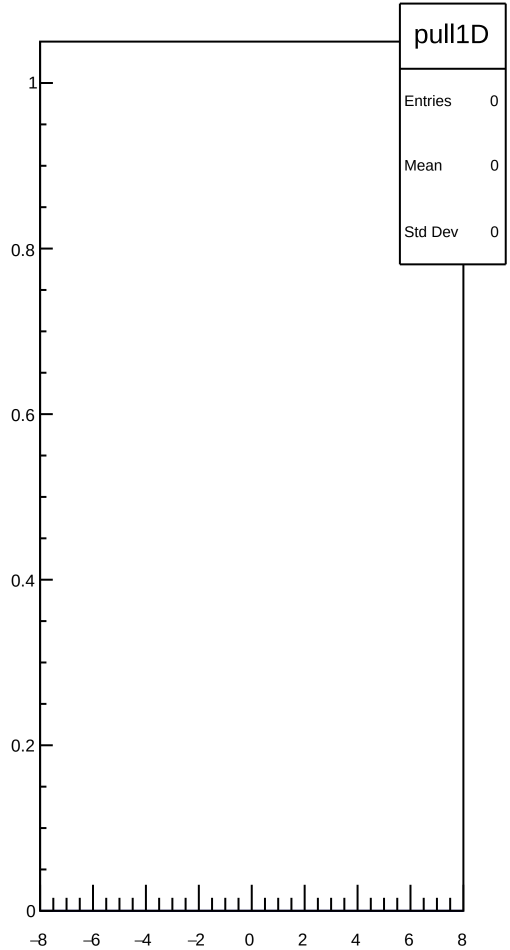

pull1D
Entries 0
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Std Dev 0
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0.4
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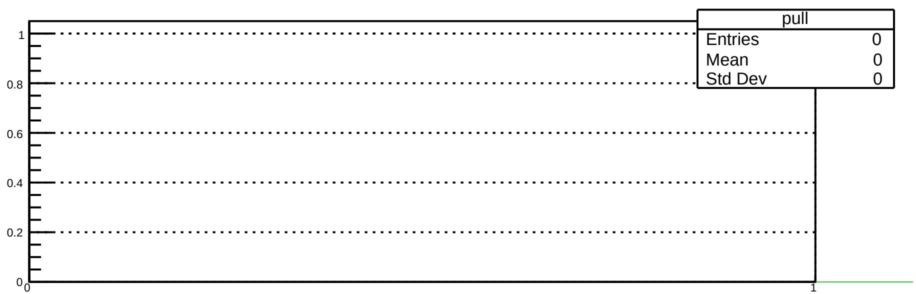

pull
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Std Dev 0
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0.6
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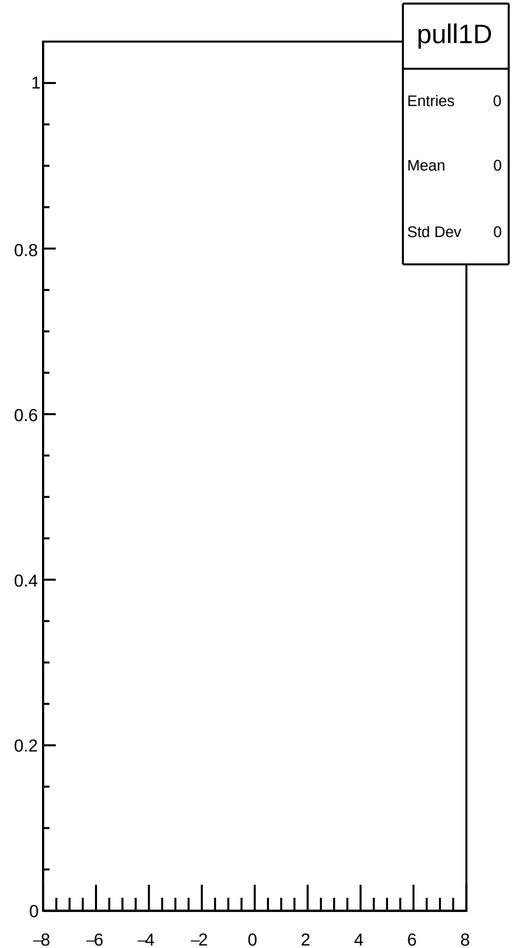

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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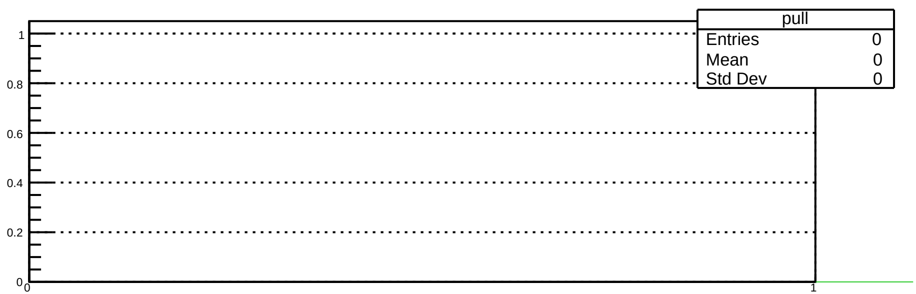
pull
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Mean 0
Std Dev 0
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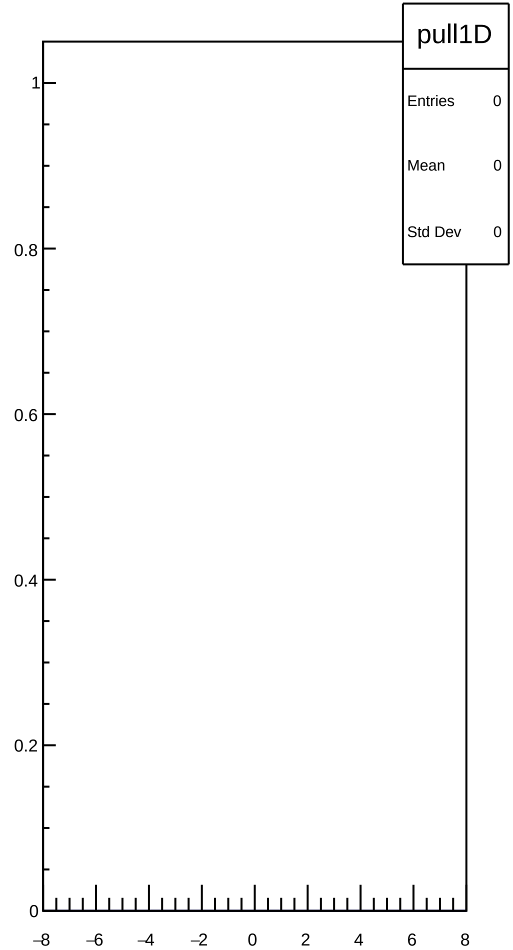
pull1D
Entries 0
Mean 0
Std Dev 0
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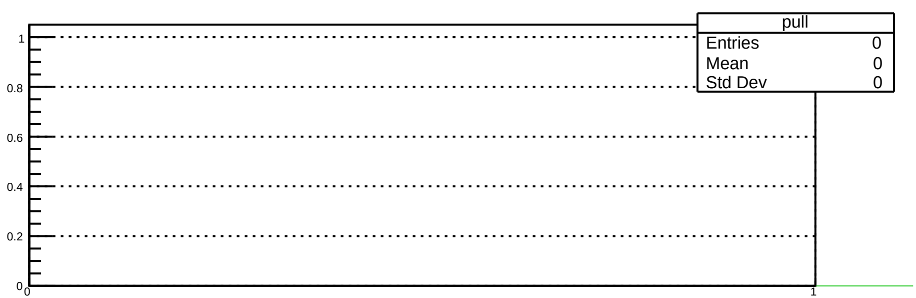
pull
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Mean 0
Std Dev 0
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0
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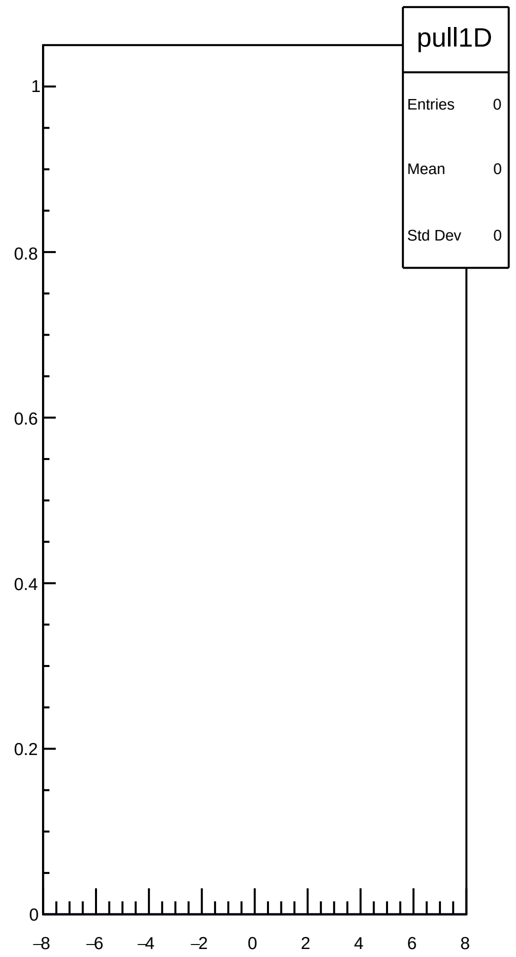
pull1D
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Mean 0
Std Dev 0
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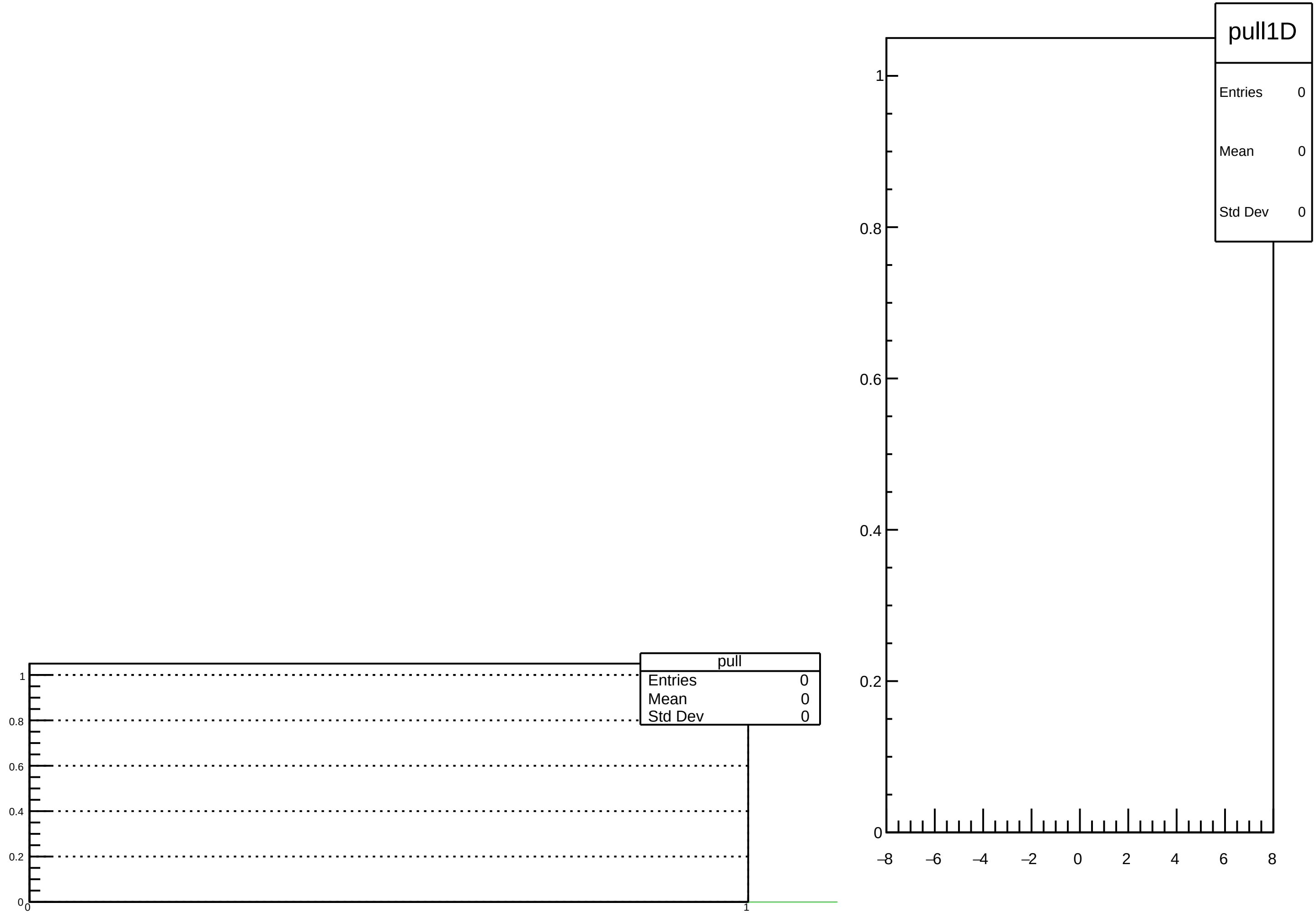
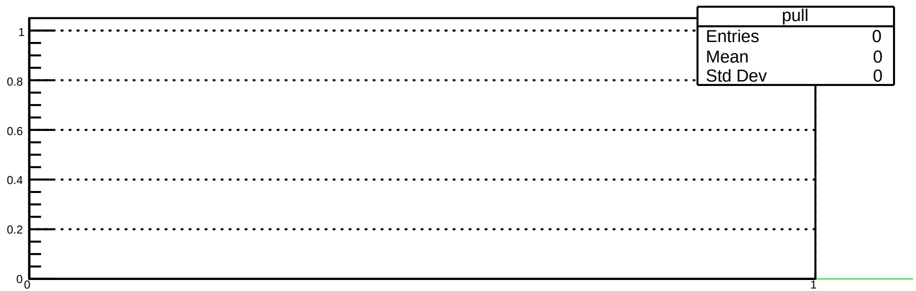


pull
Entries 0
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0


pull
Entries 0
Mean 0
Std Dev 0
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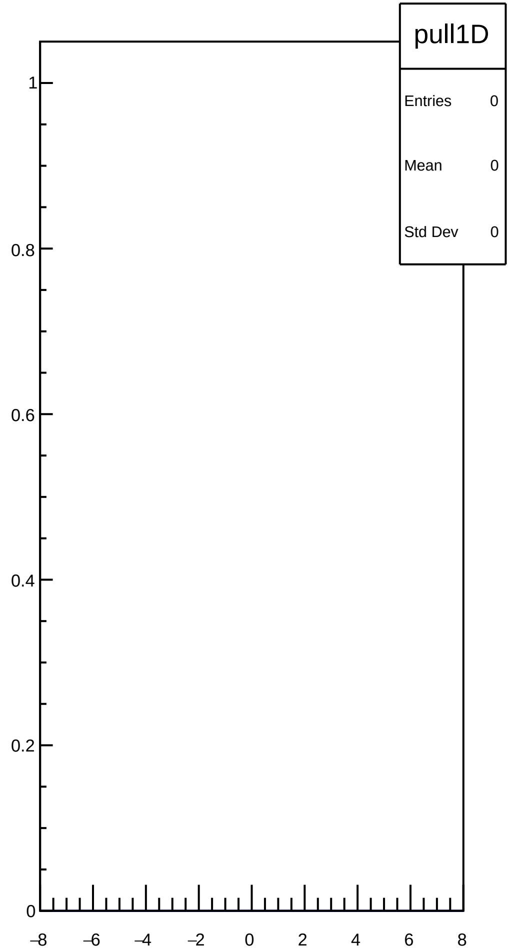
pull1D
Entries 0
Mean 0
Std Dev 0
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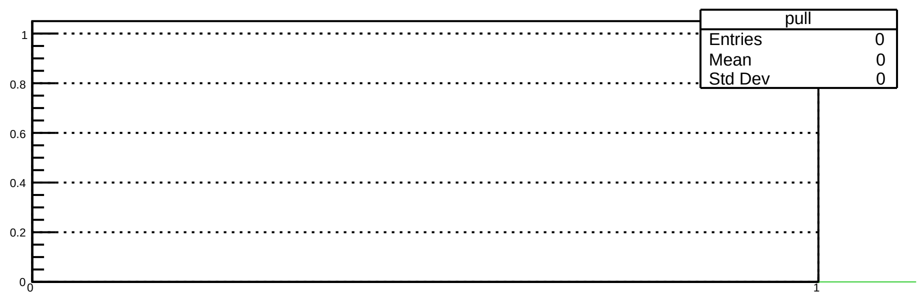

pull
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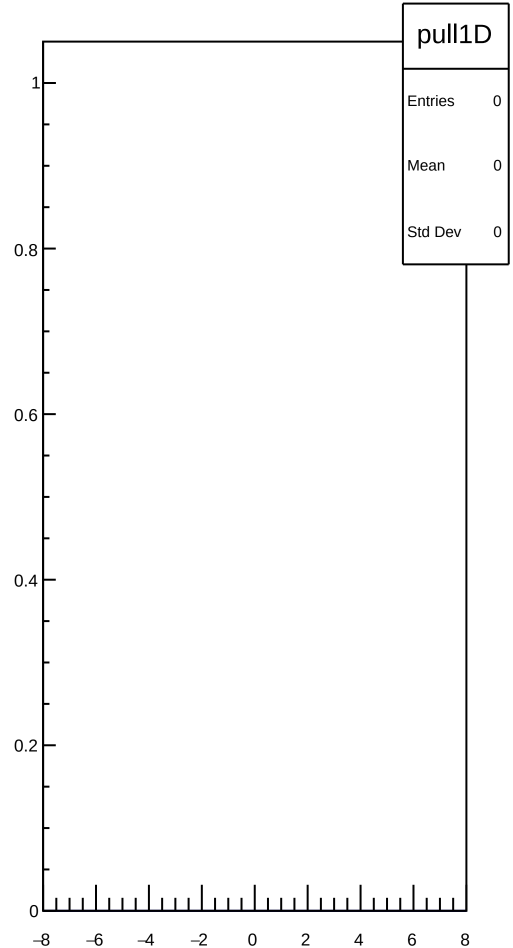
Mean 0
Std Dev 0



pull1D
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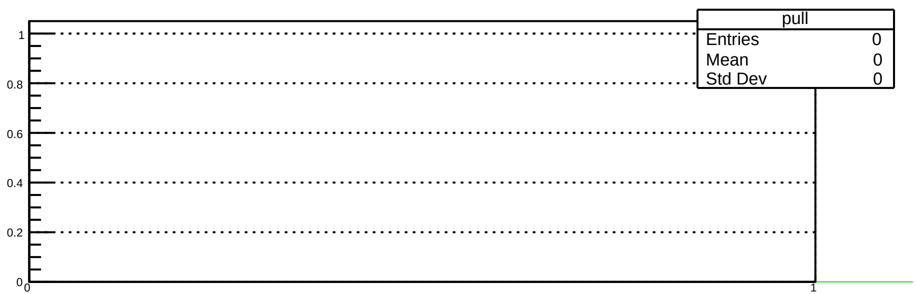
Mean 0
Std Dev 0


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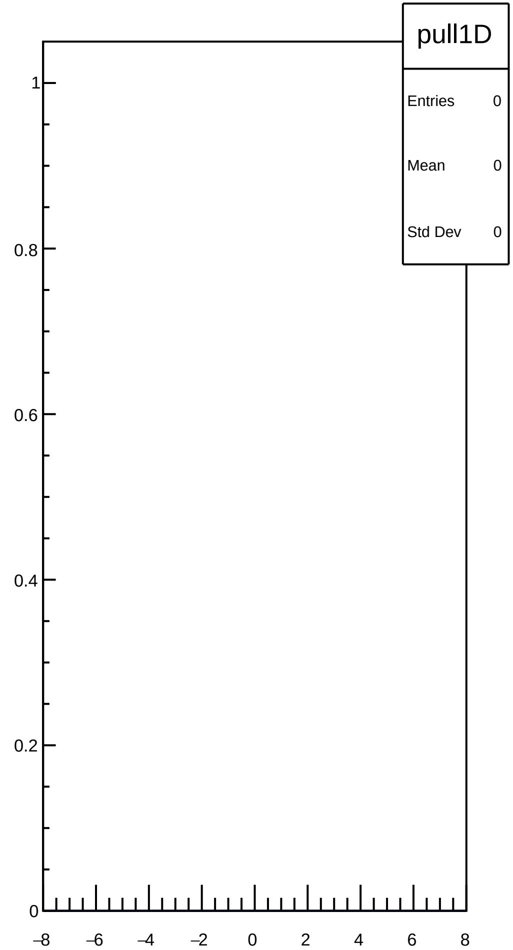
pull1D
Entries 0
Mean 0
Std Dev 0
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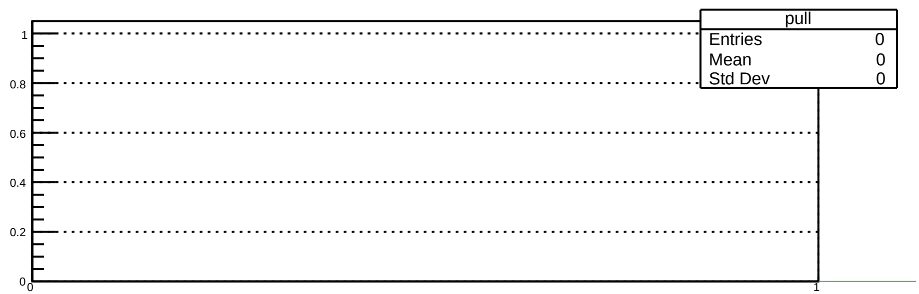
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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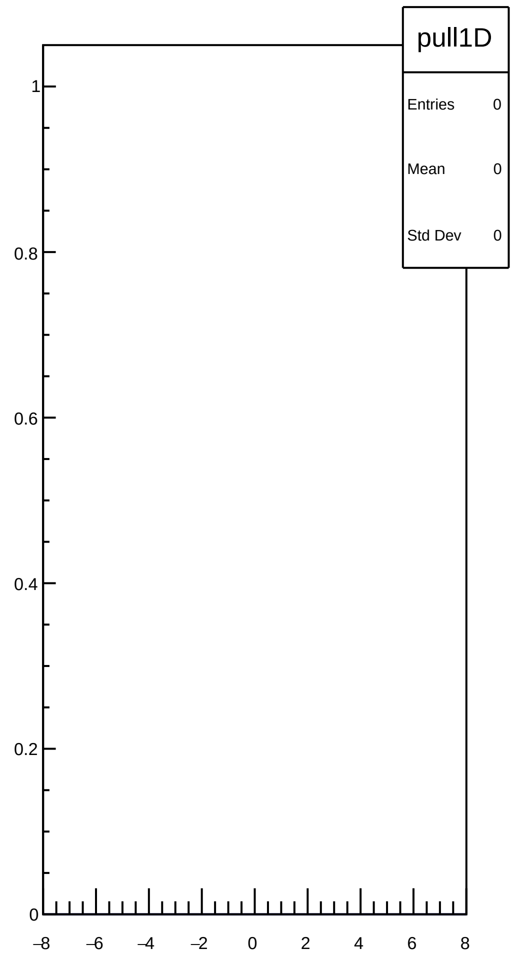
pull1D
Entries 0
Mean 0
Std Dev 0
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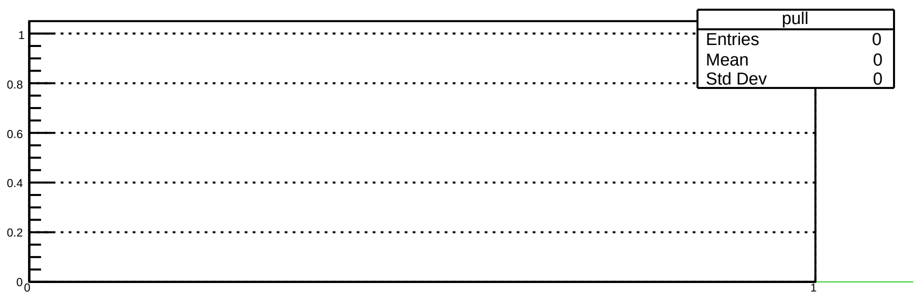
pull
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Mean 0
Std Dev 0
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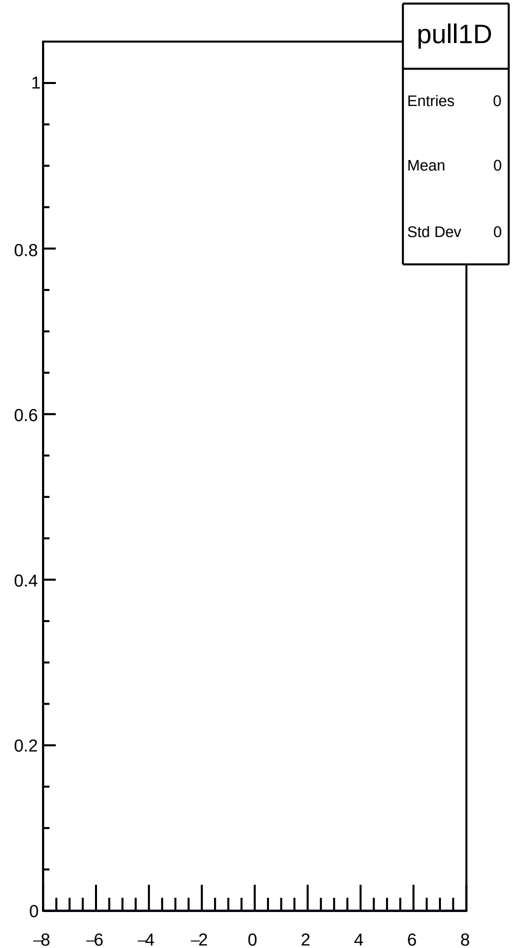
pull1D
Entries 0
Mean 0
Std Dev 0
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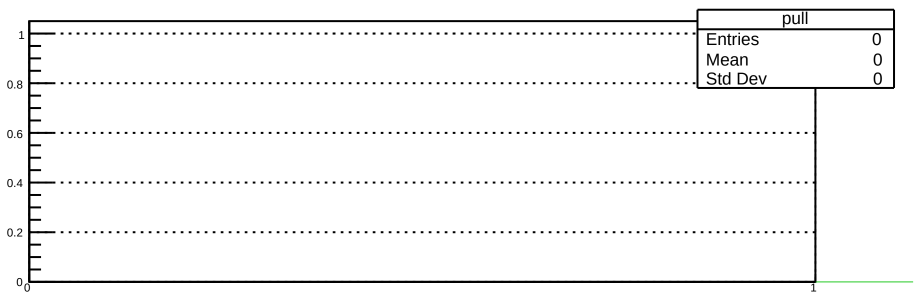

pull
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Mean 0
Std Dev 0
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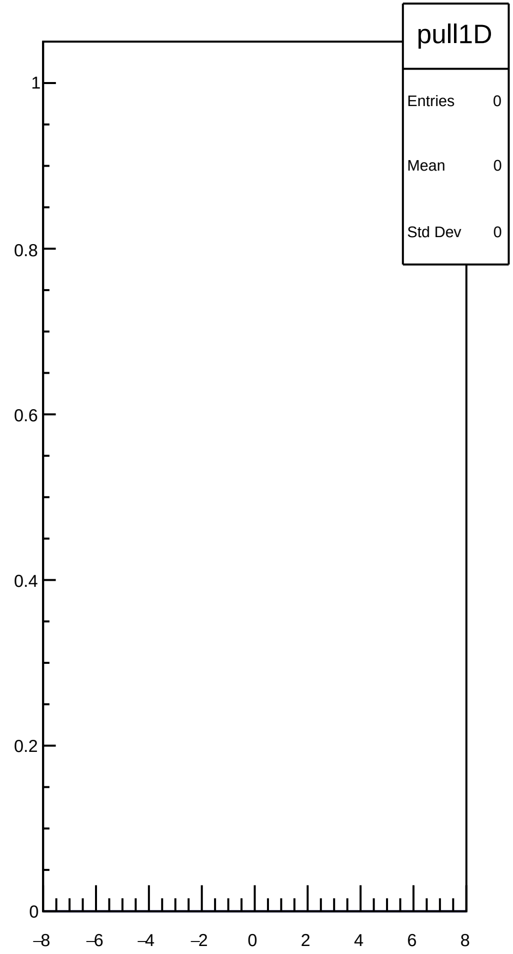

pull1D
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Mean 0
Std Dev 0
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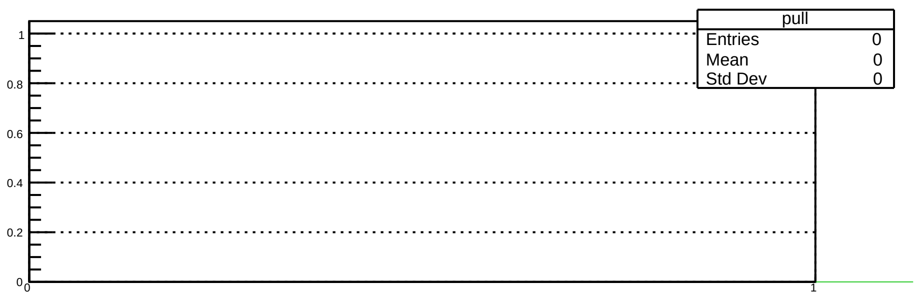
pull
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Std Dev 0
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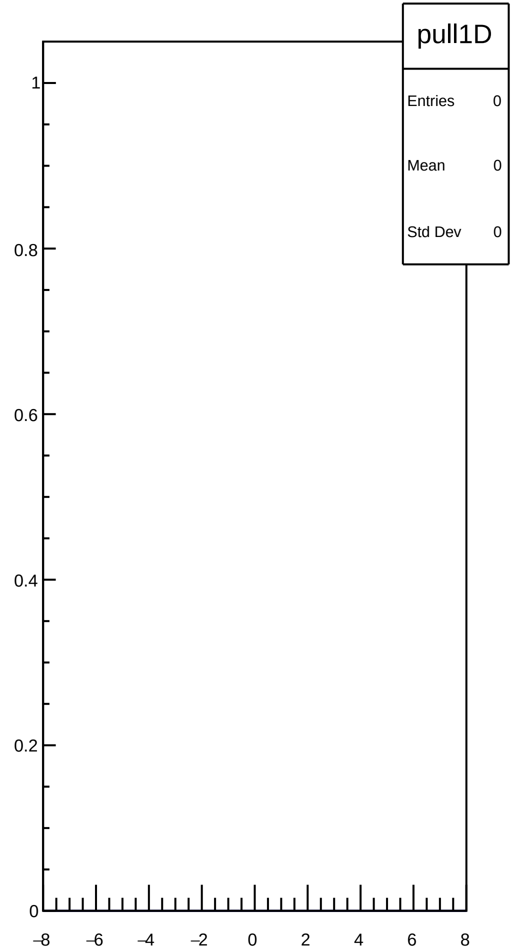
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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1
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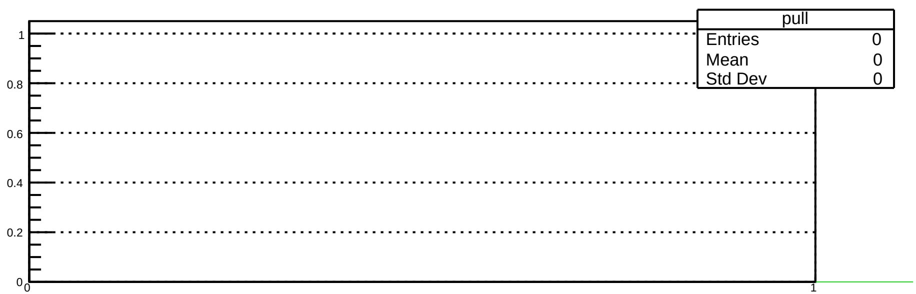
pull
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Std Dev 0
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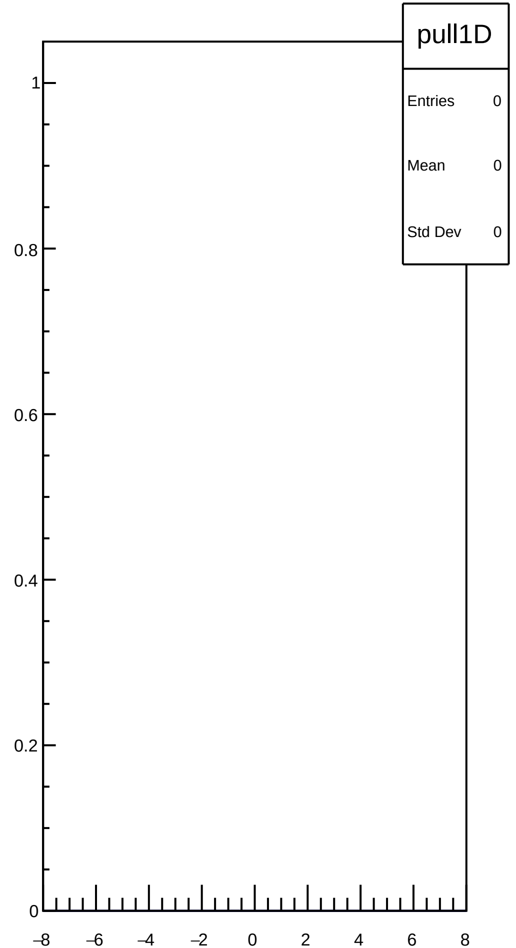
pull1D
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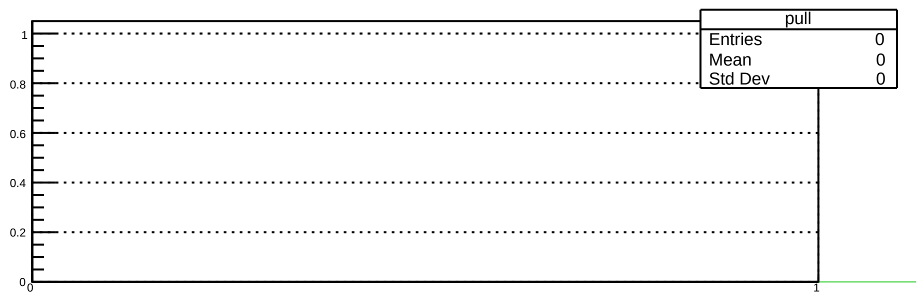

pull
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Std Dev 0
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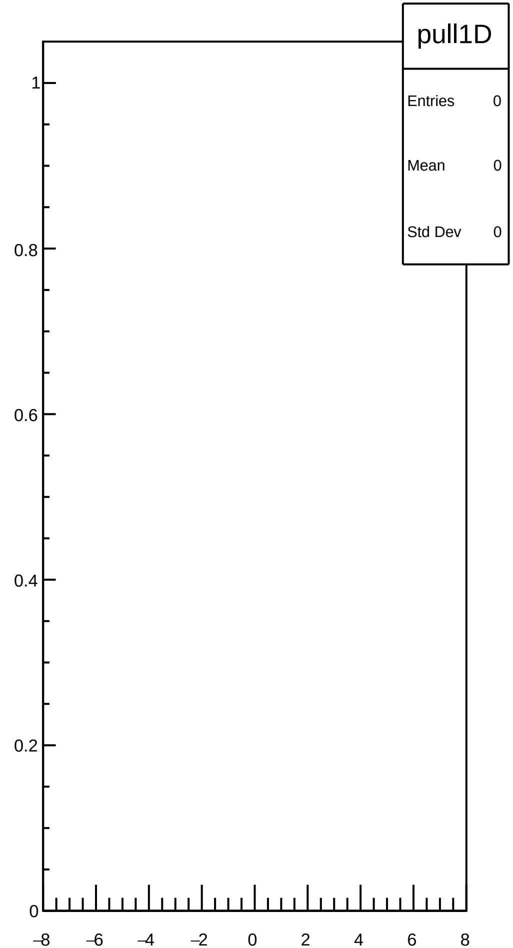

pull1D
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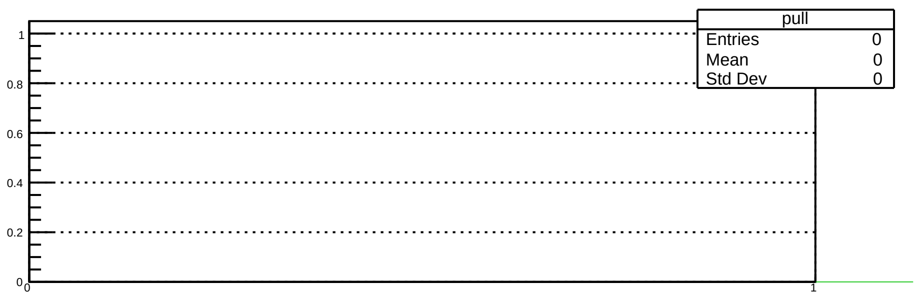
pull
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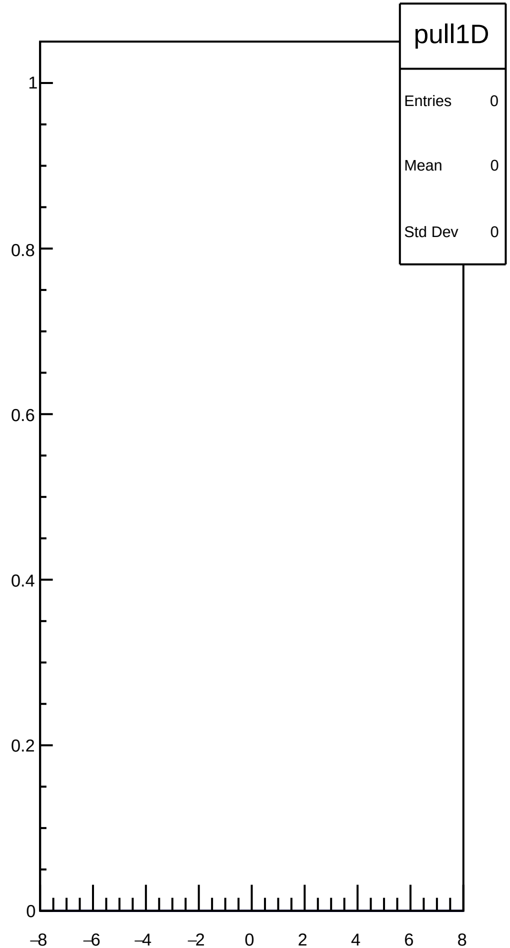
pull1D
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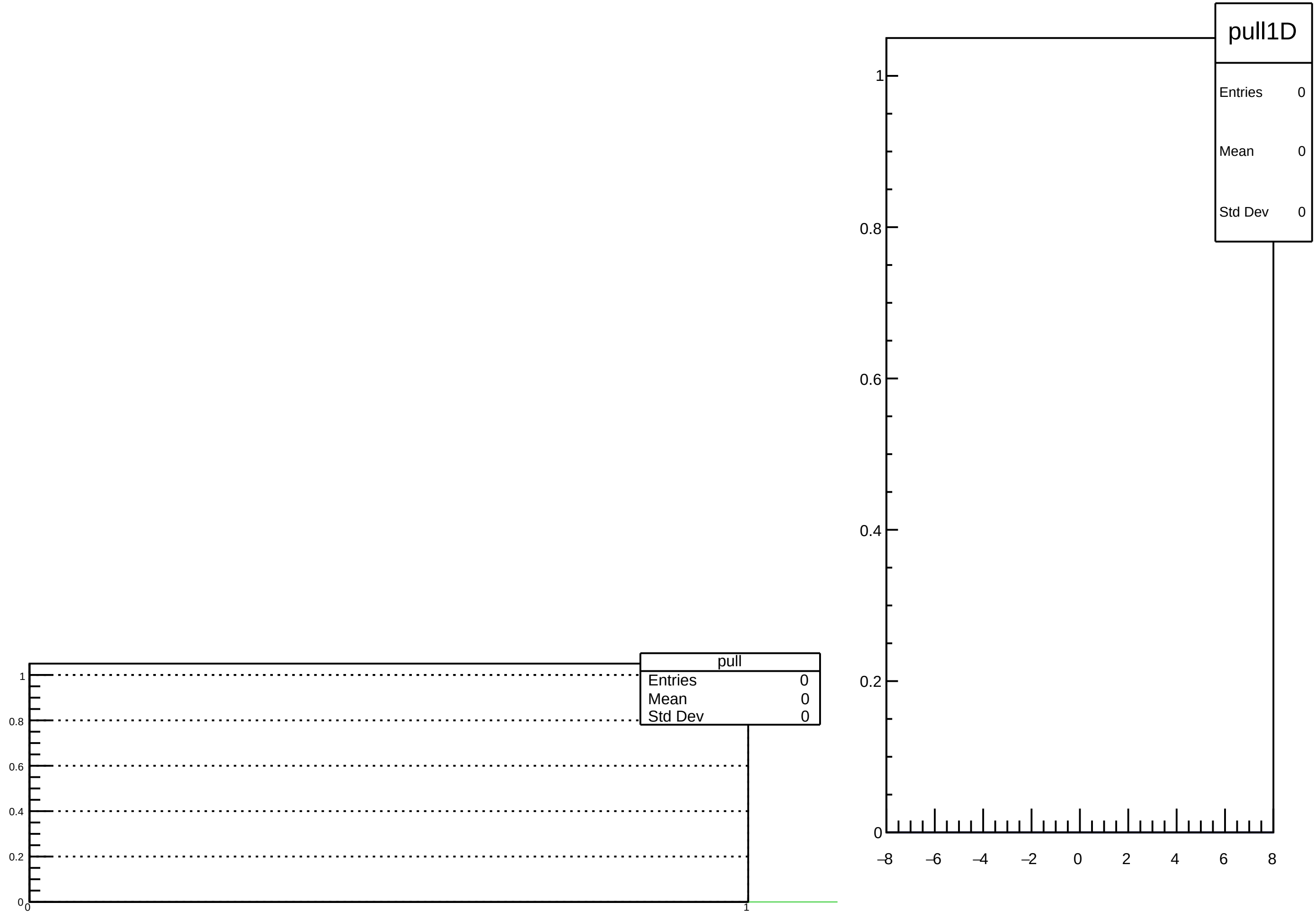

pull
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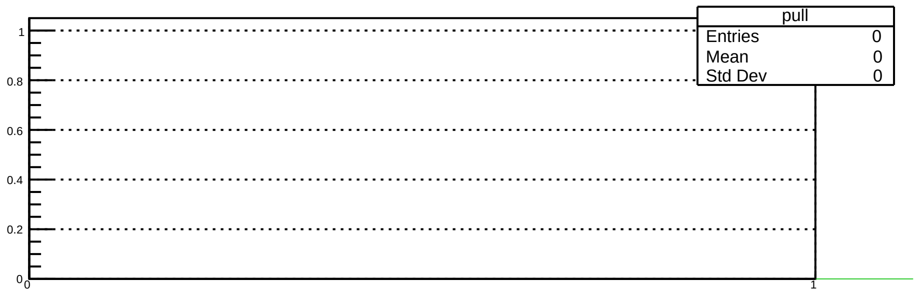
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0



pull
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Std Dev 0
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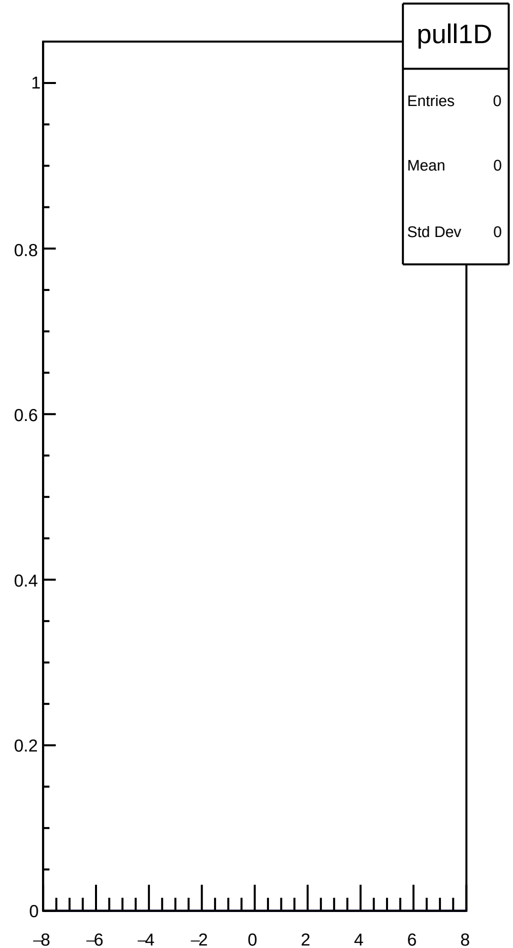

pull1D
Entries 0
Mean 0
Std Dev 0
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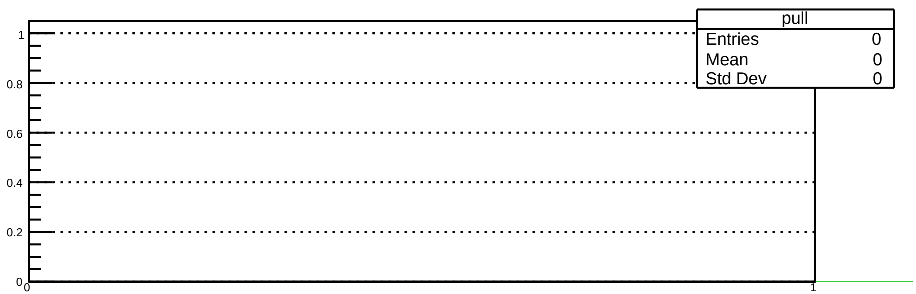
pull
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Mean 0
Std Dev 0
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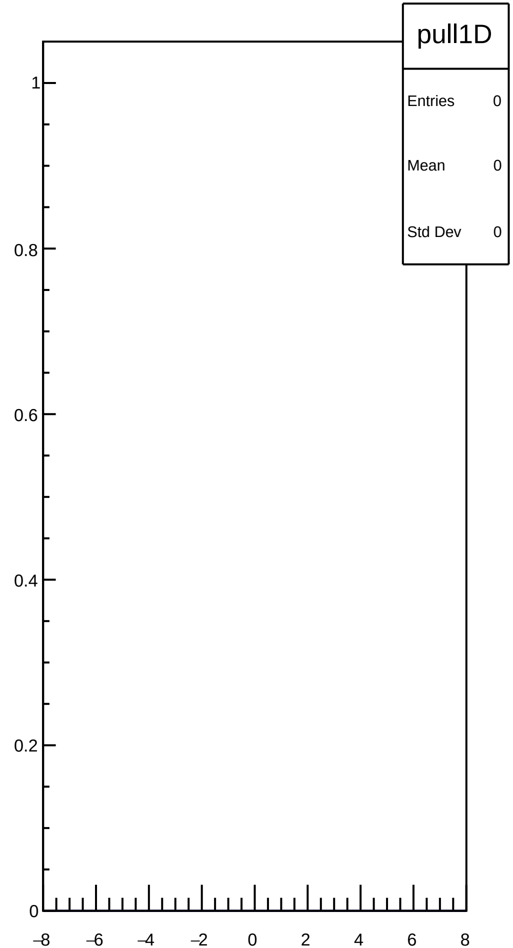
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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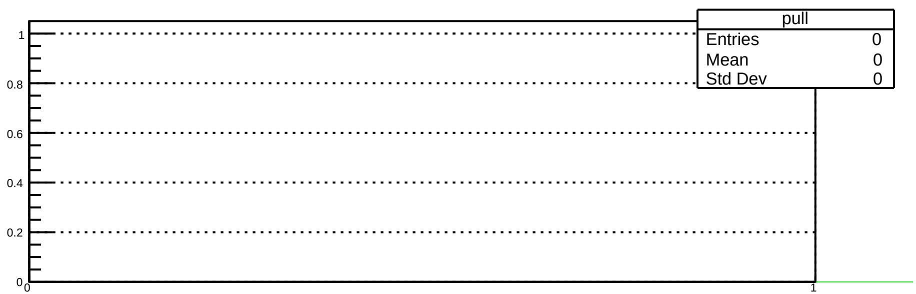
pull
Entries 0
Mean 0
Std Dev 0
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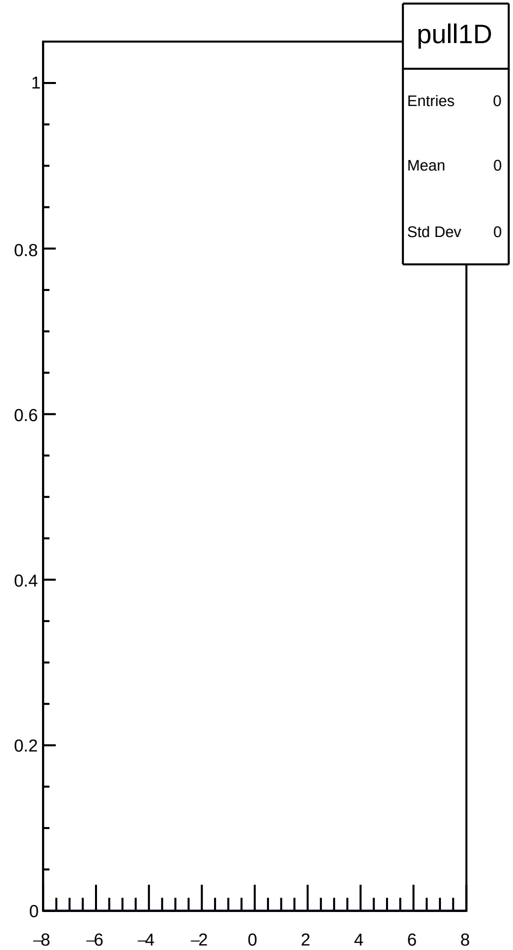
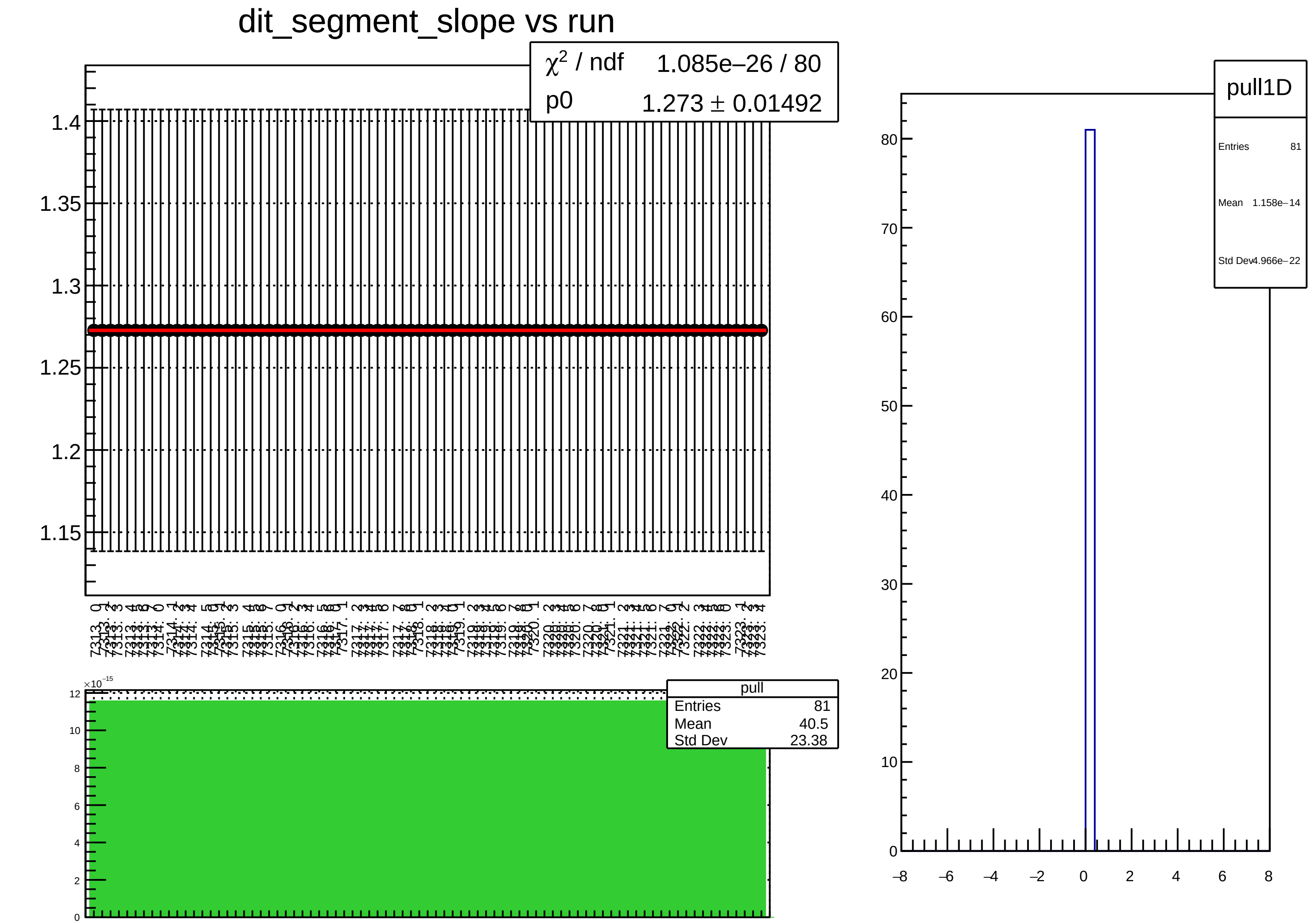
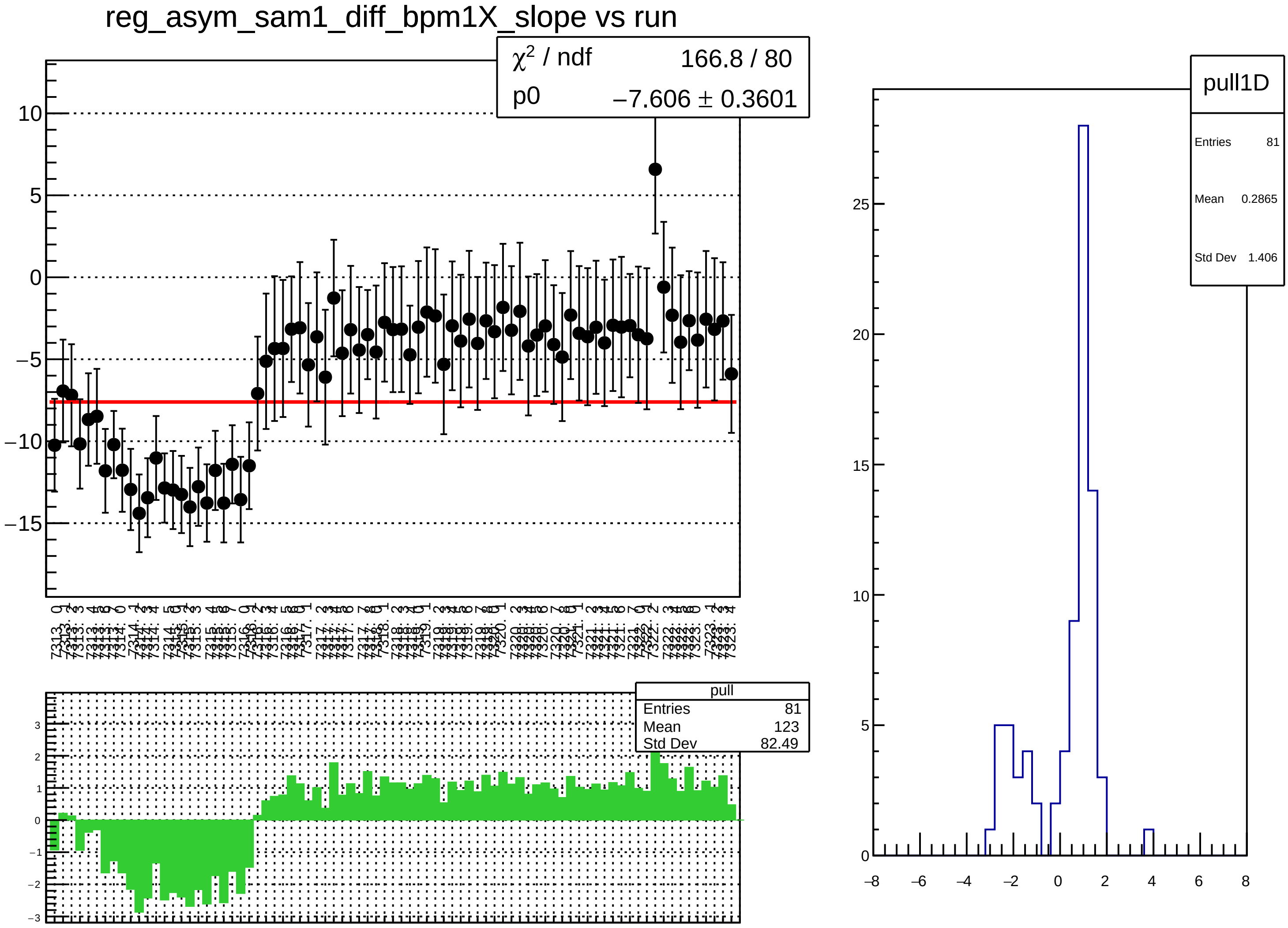
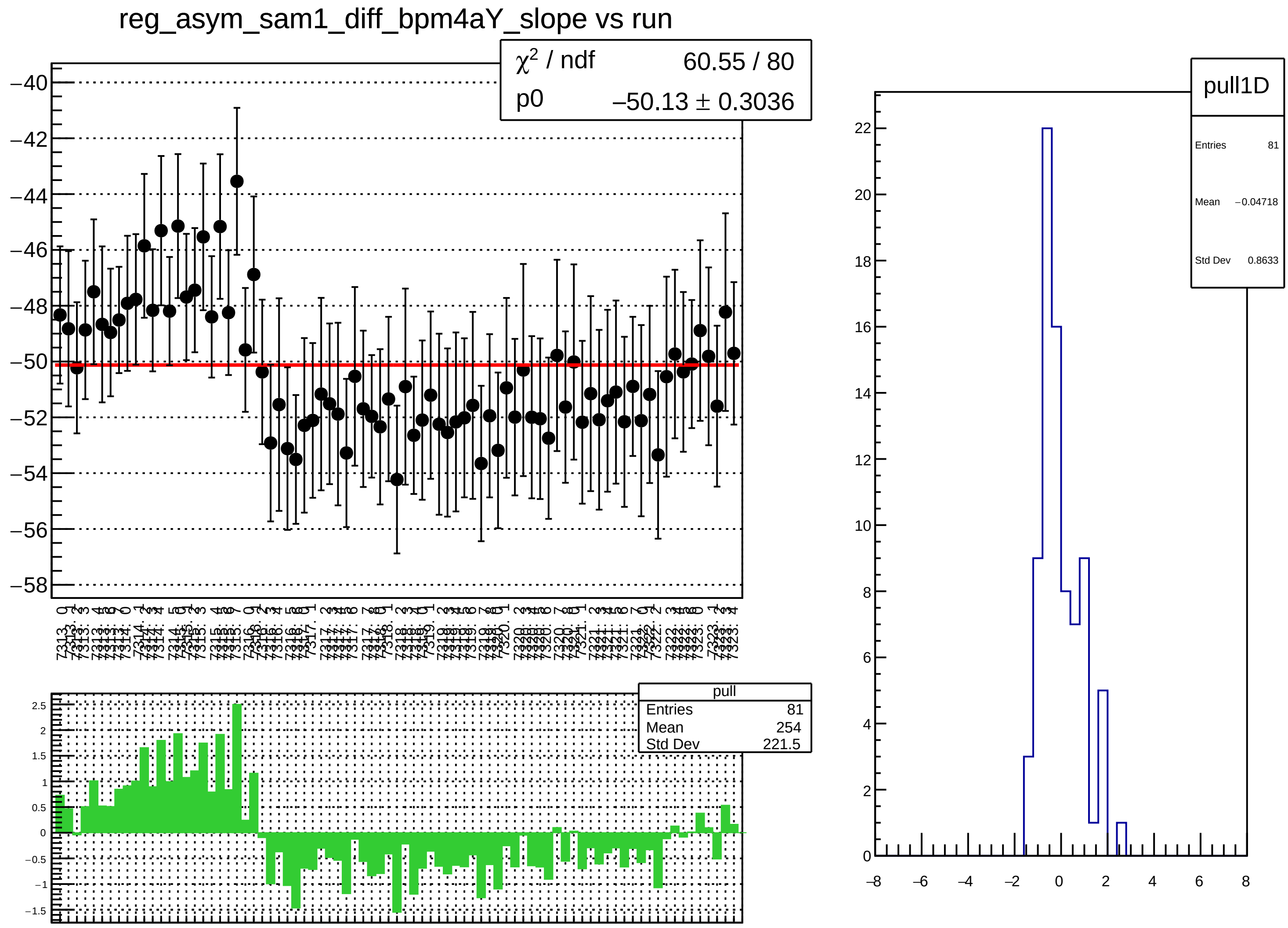

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8 –6 –4 –2 0 2 4 6 8



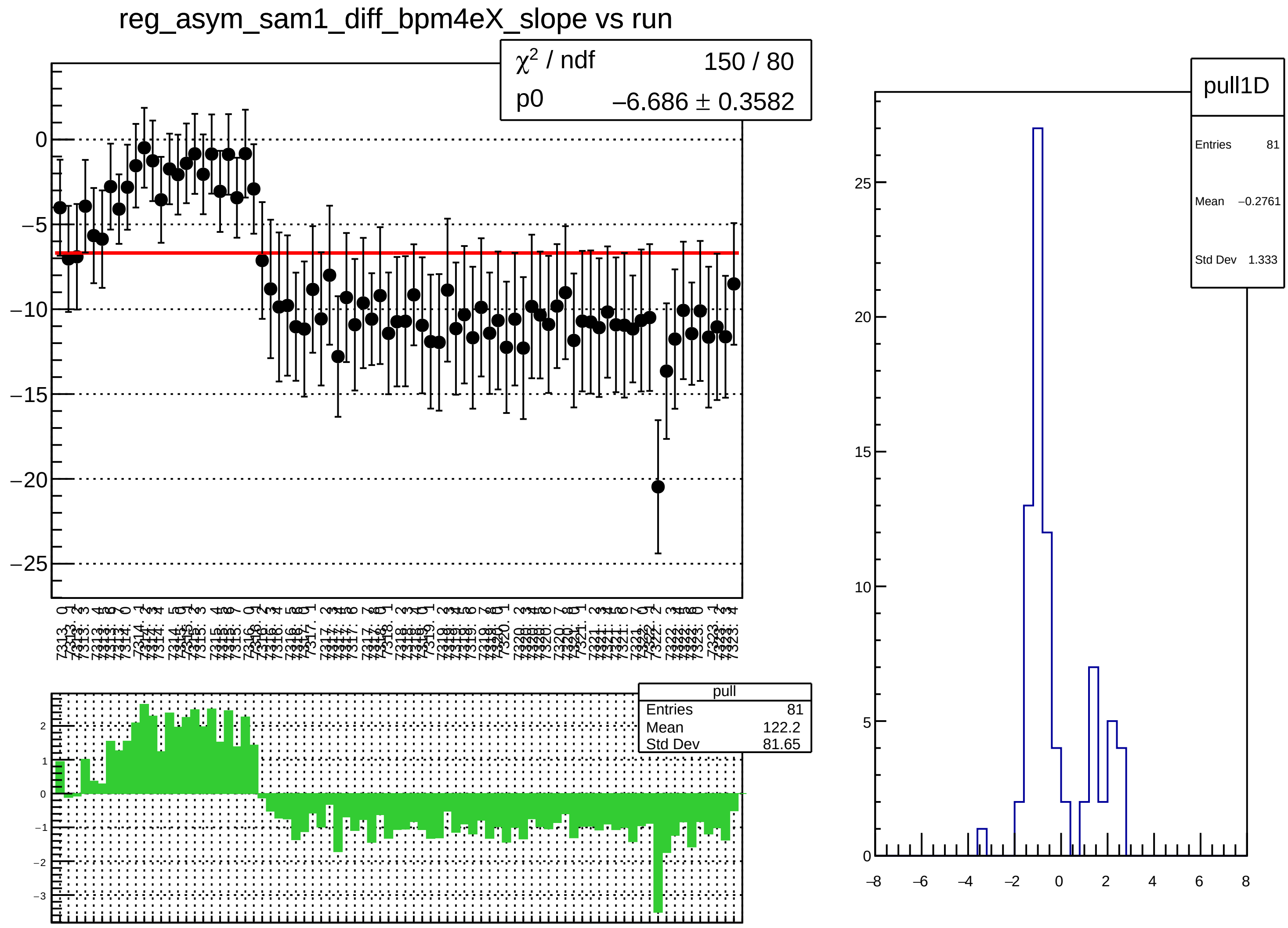
dit_segment_slope vs run
χ2 / ndf 1.085e−26 / 80
p0 1.273 ± 0.01492
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.158e−14
Std Dev 4.966e−22



reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 166.8 / 80
p0 −7.606 ± 0.3601
pull
Entries 81
Mean 123
Std Dev 82.49
pull1D
Entries 81
Mean 0.2865
Std Dev 1.406



reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 60.55 / 80
p0 −50.13 ± 0.3036
pull
Entries 81
Mean 254
Std Dev 221.5
pull1D
Entries 81
Mean −0.04718
Std Dev 0.8633



reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 150 / 80
p0 −6.686 ± 0.3582
0
−5
−10
−15
−20
−25
pull
Entries 81
Mean 122.2
Std Dev 81.65
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.2761
Std Dev 1.333
25
20
15
10
5
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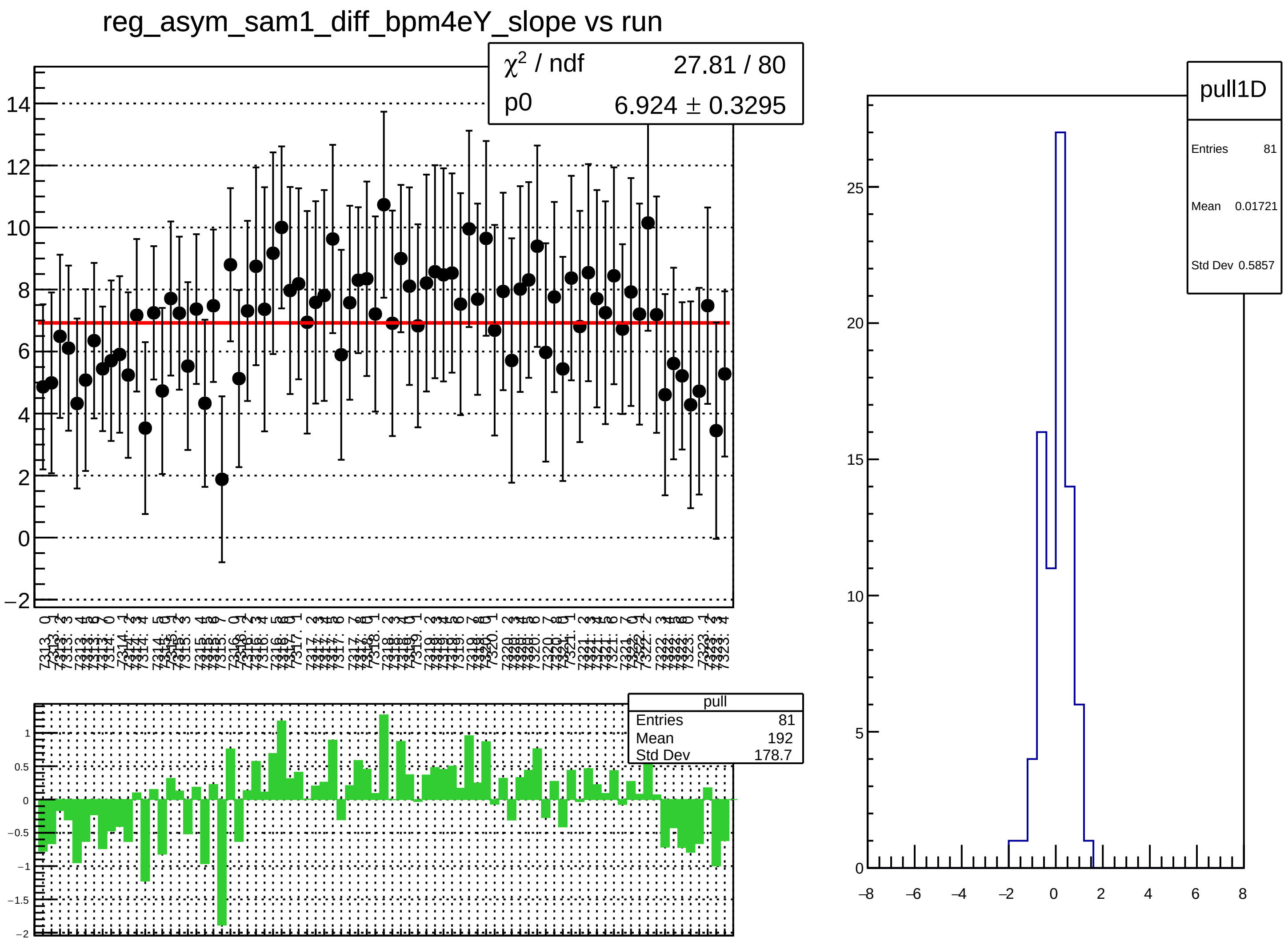
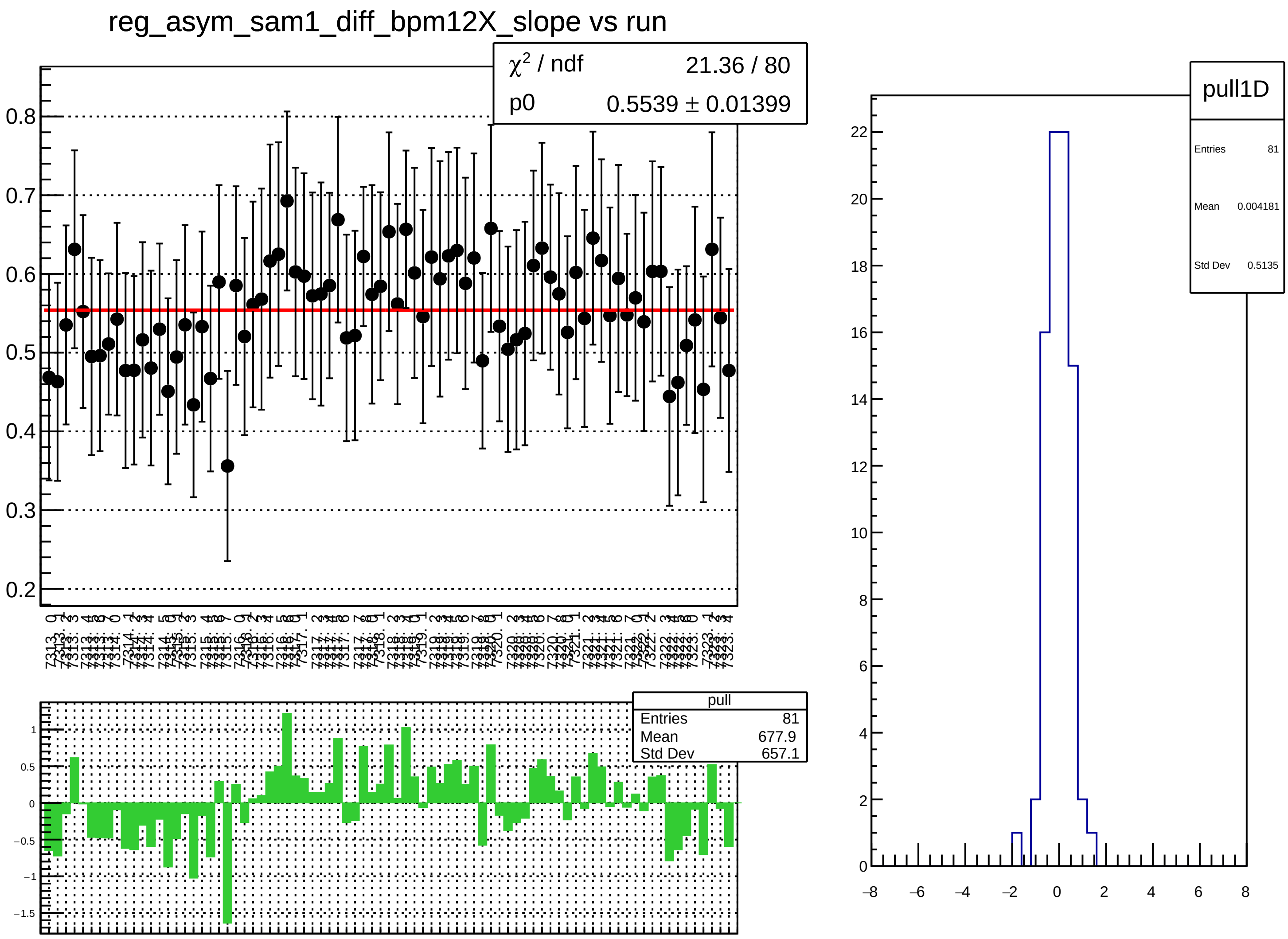
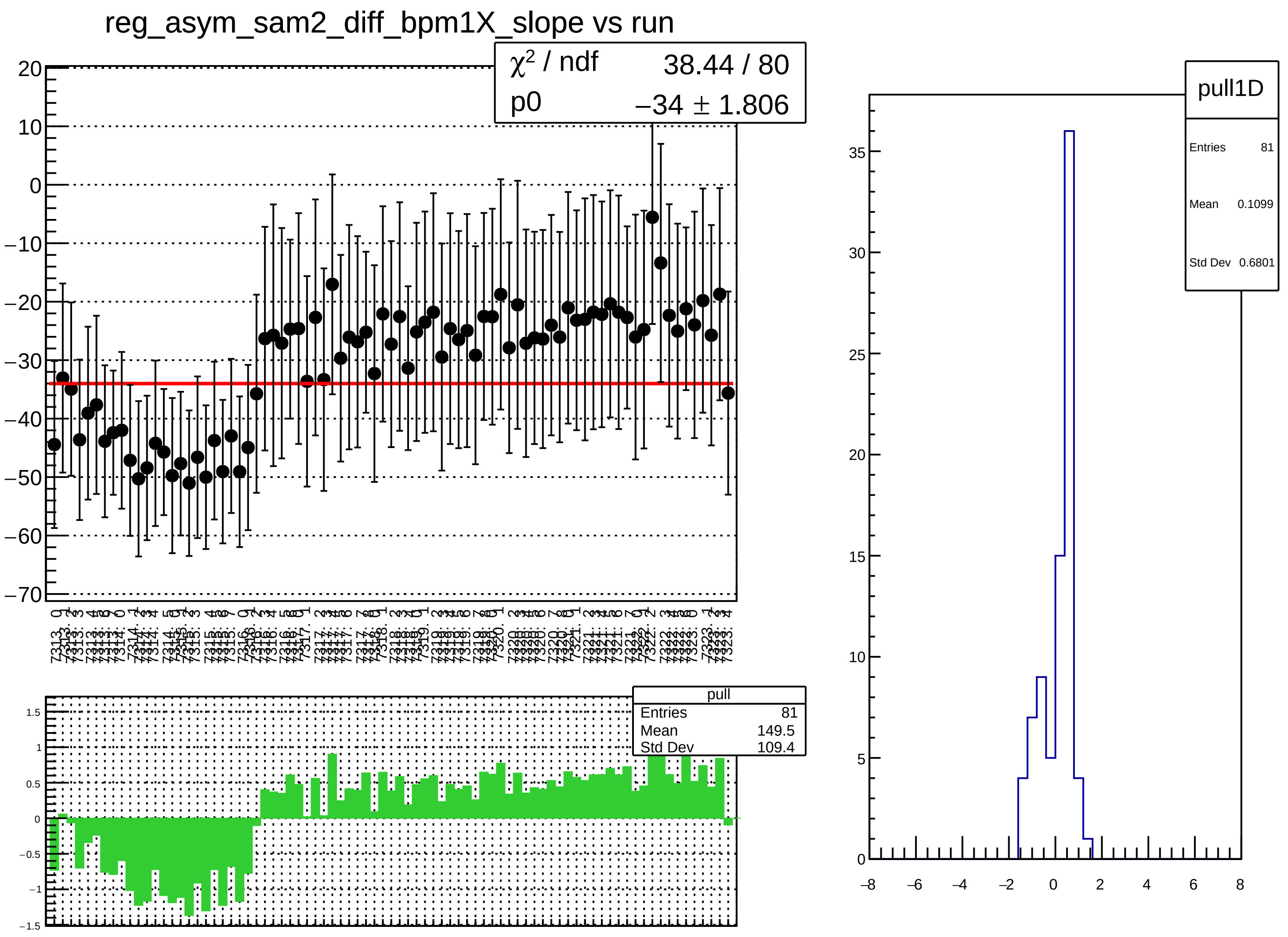
0
2
4
6
8



reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 27.81 / 80
p0 6.924 ± 0.3295
pull
Entries 81
Mean 192
Std Dev 178.7
pull1D
Entries 81
Mean 0.01721
Std Dev 0.5857

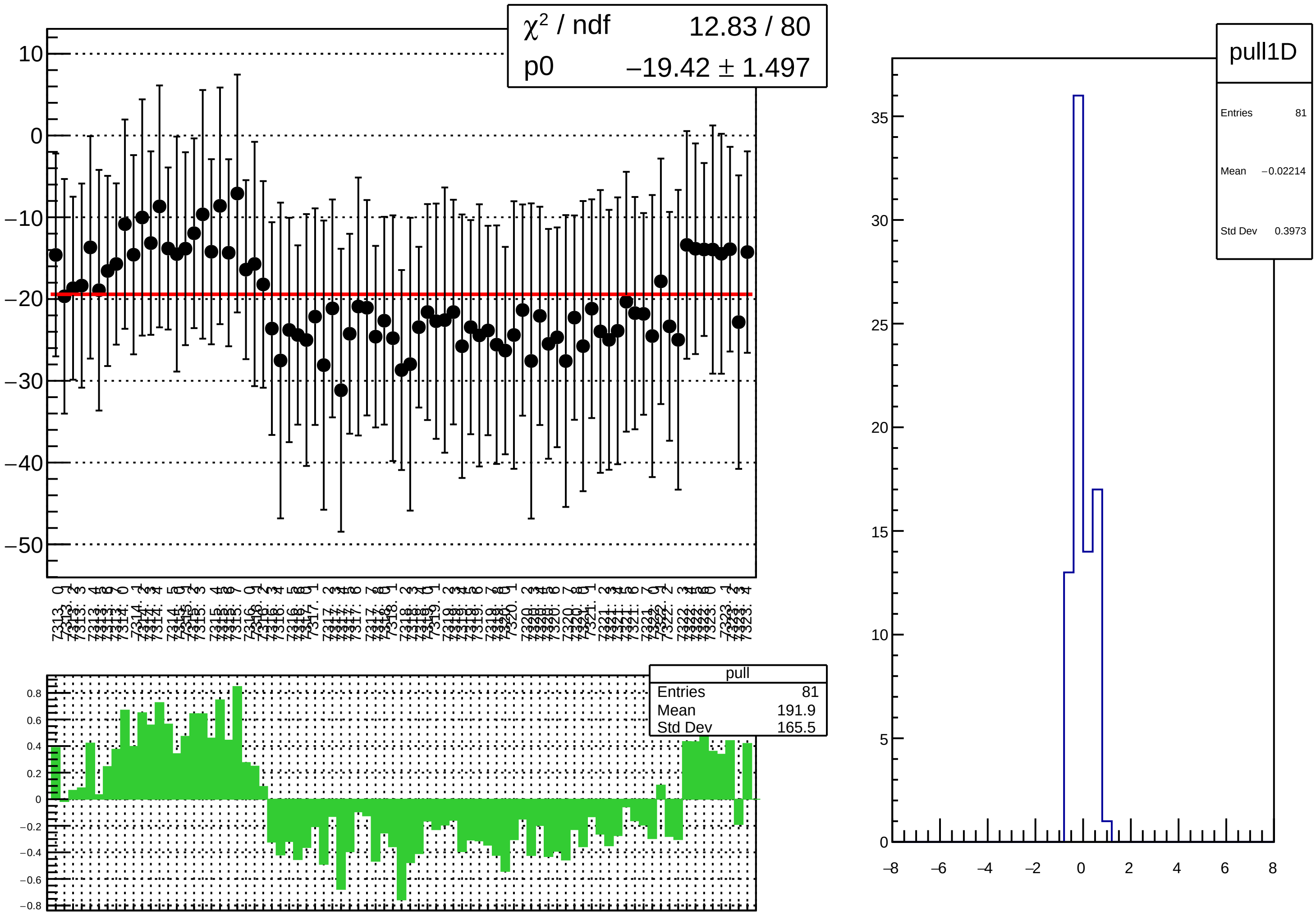


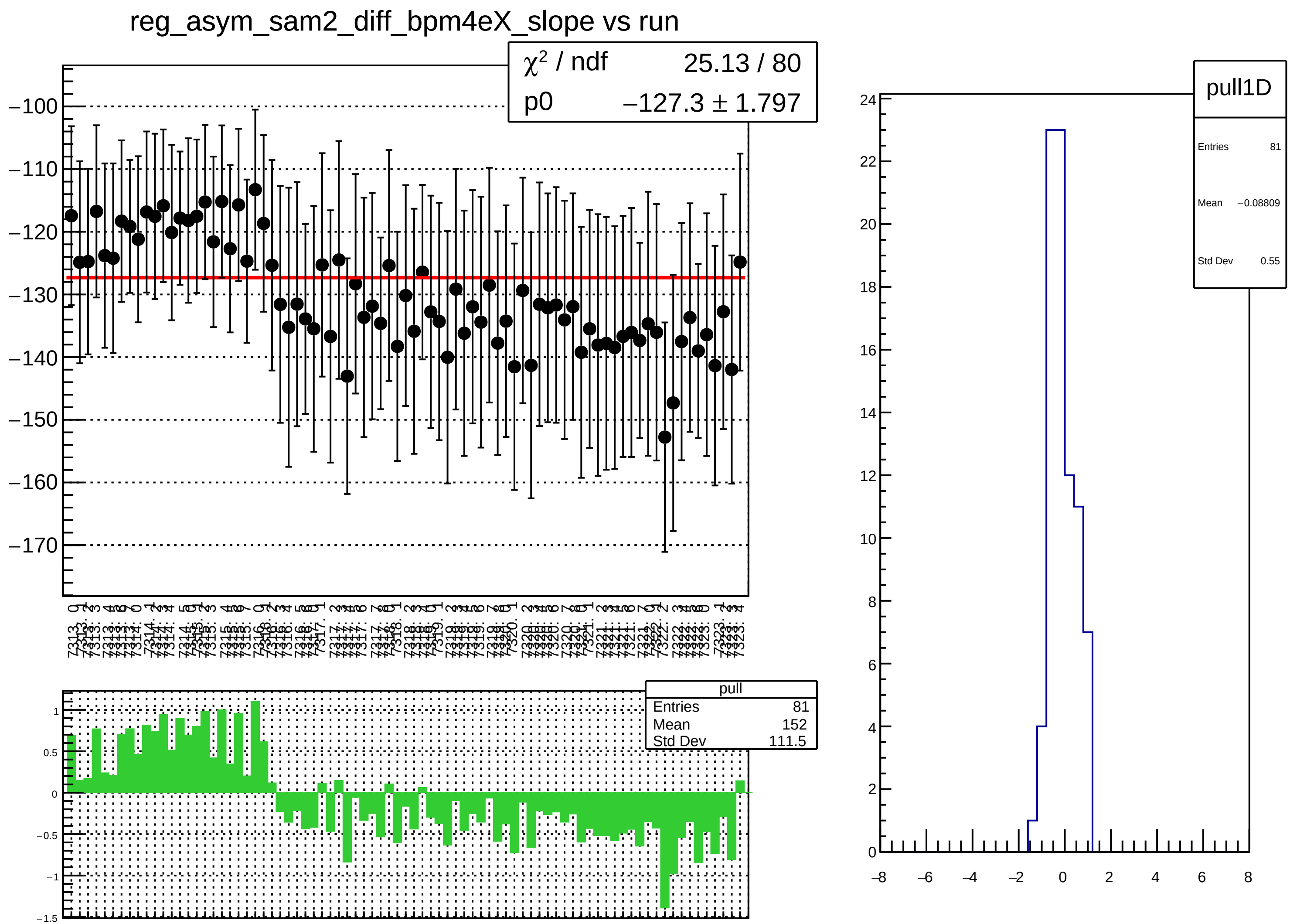
reg_asym_sam1_diff_bpm12X_slope vs run
χ2 / ndf 21.36 / 80
p0 0.5539 ± 0.01399
pull
Entries 81
Mean 677.9
Std Dev 657.1
pull1D
Entries 81
Mean 0.004181
Std Dev 0.5135



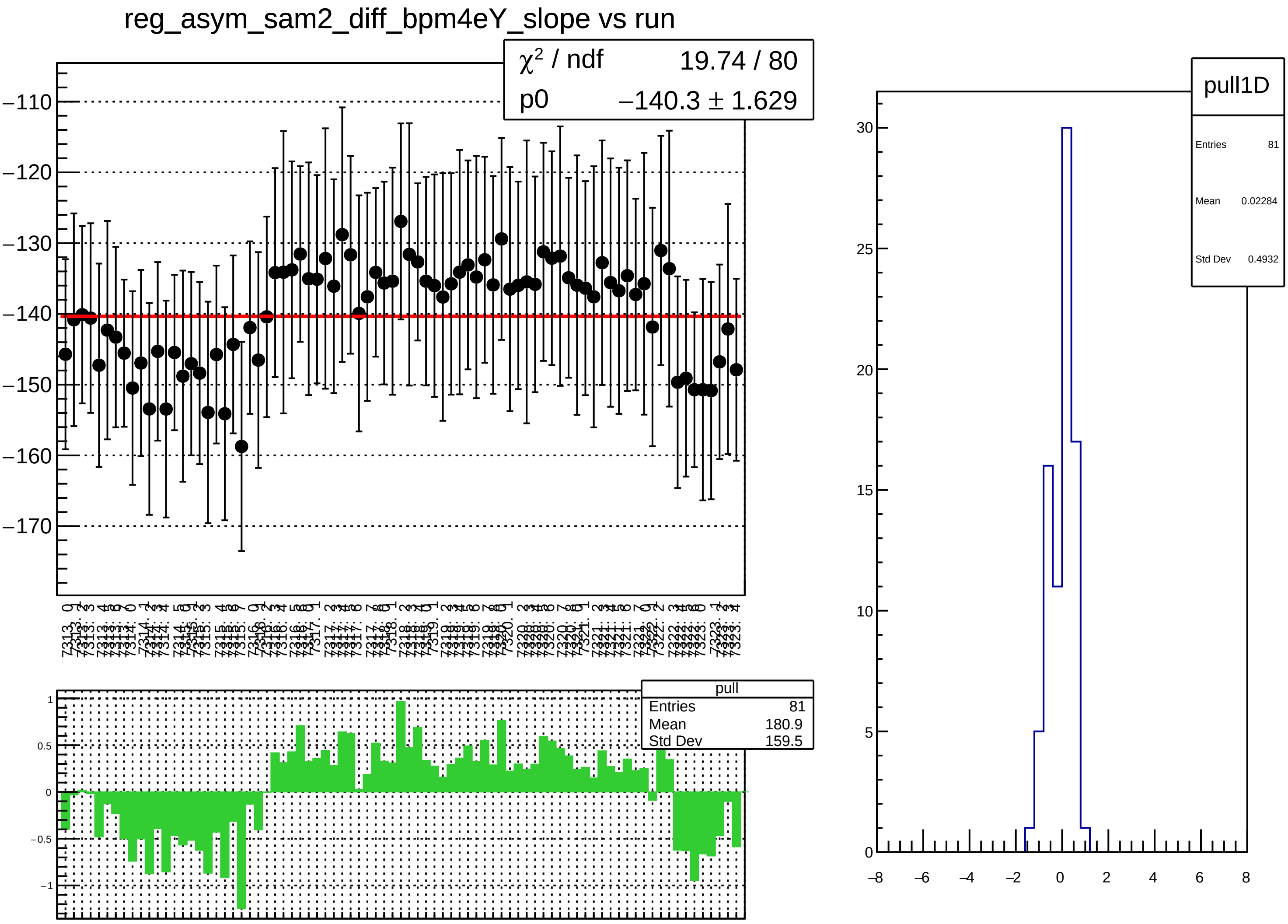
reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 38.44 / 80
p0 −34 ± 1.806
pull
Entries 81
Mean 149.5
Std Dev 109.4
pull1D
Entries 81
Mean 0.1099
Std Dev 0.6801

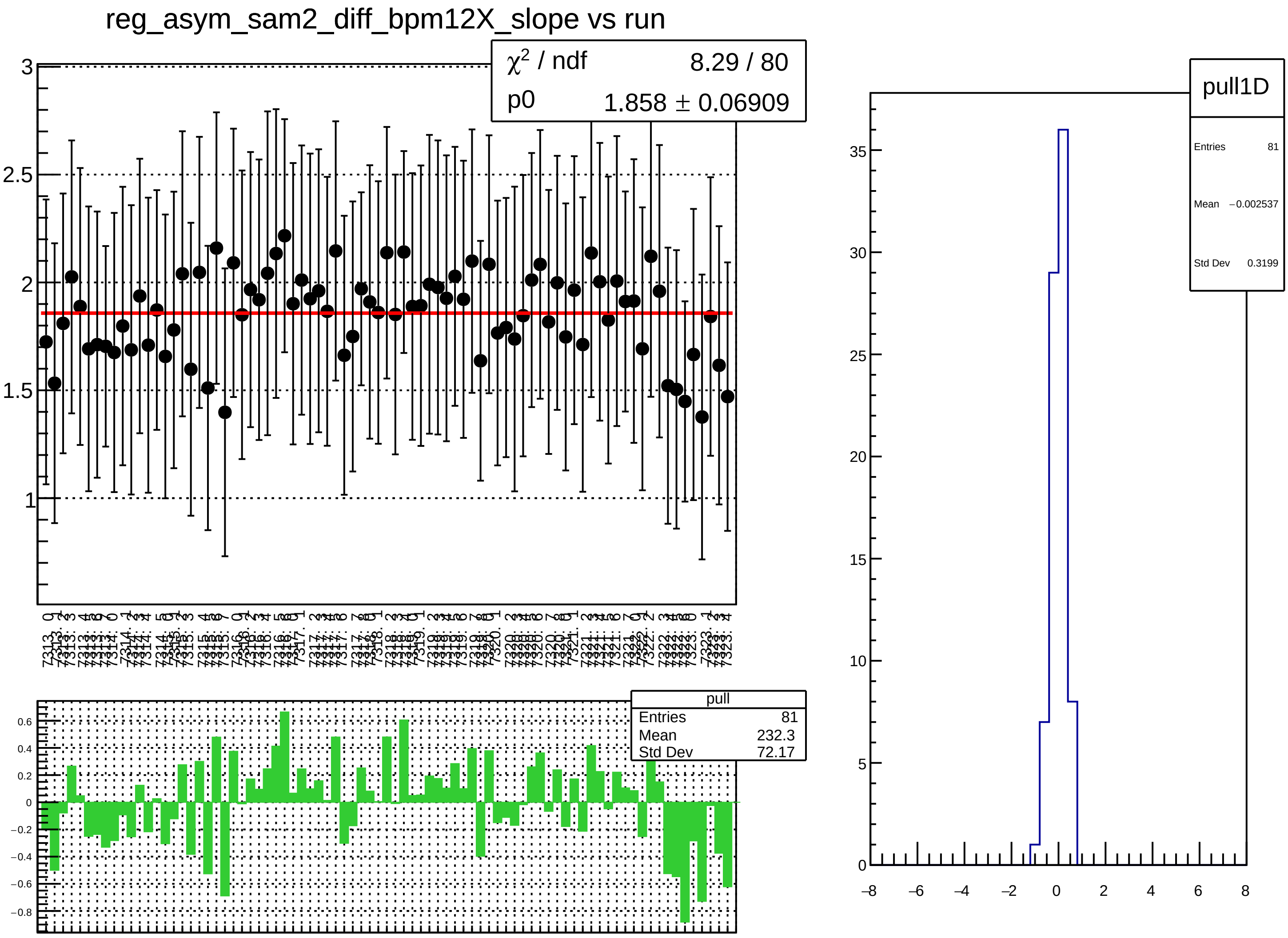
reg_asym_sam2_diff_bpm4aY_slope vs run



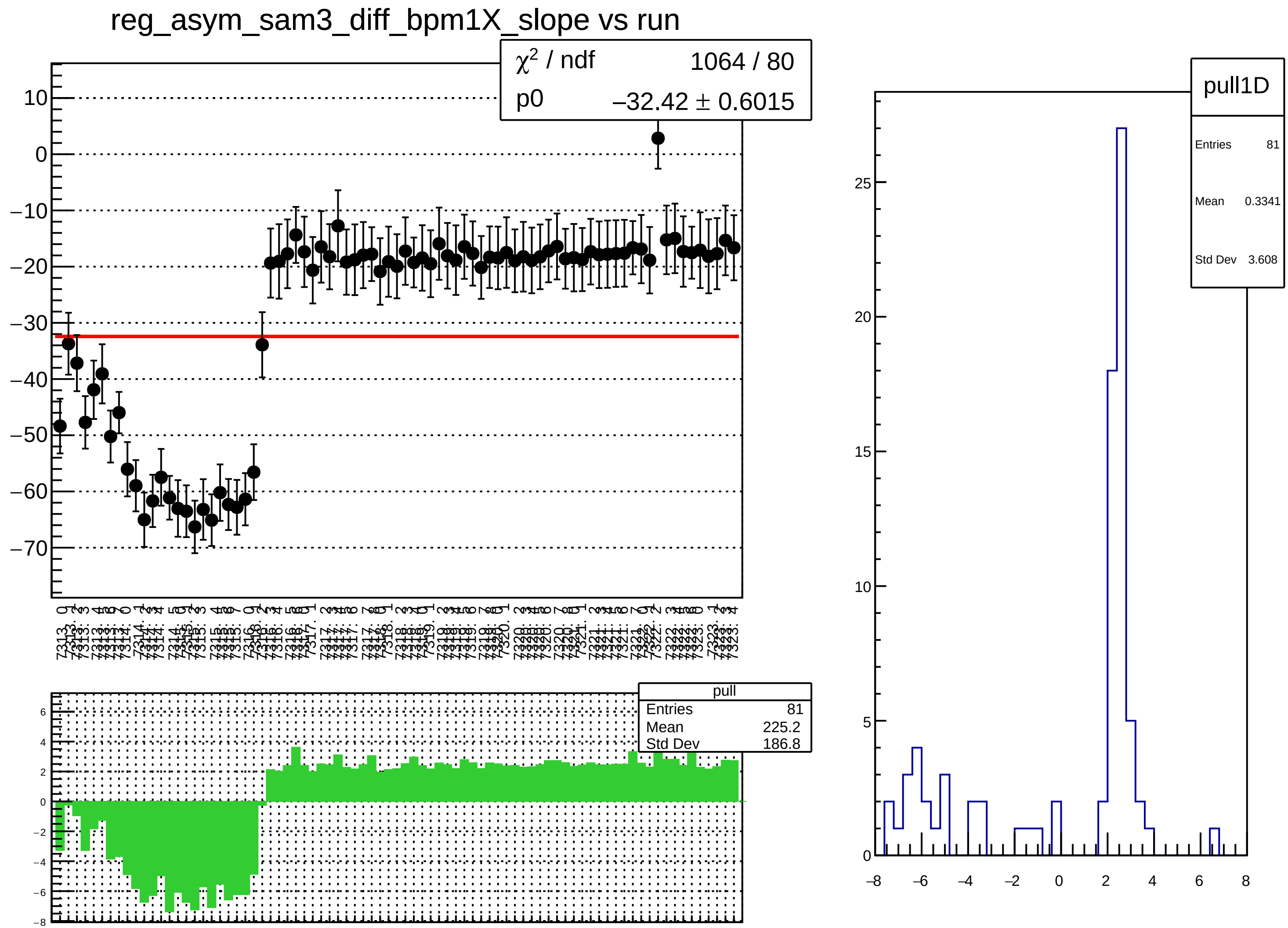


reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 25.13 / 80
p0 −127.3 ± 1.797
pull
Entries 81
Mean 152
Std Dev 111.5
pull1D
Entries 81
Mean −0.08809
Std Dev 0.55

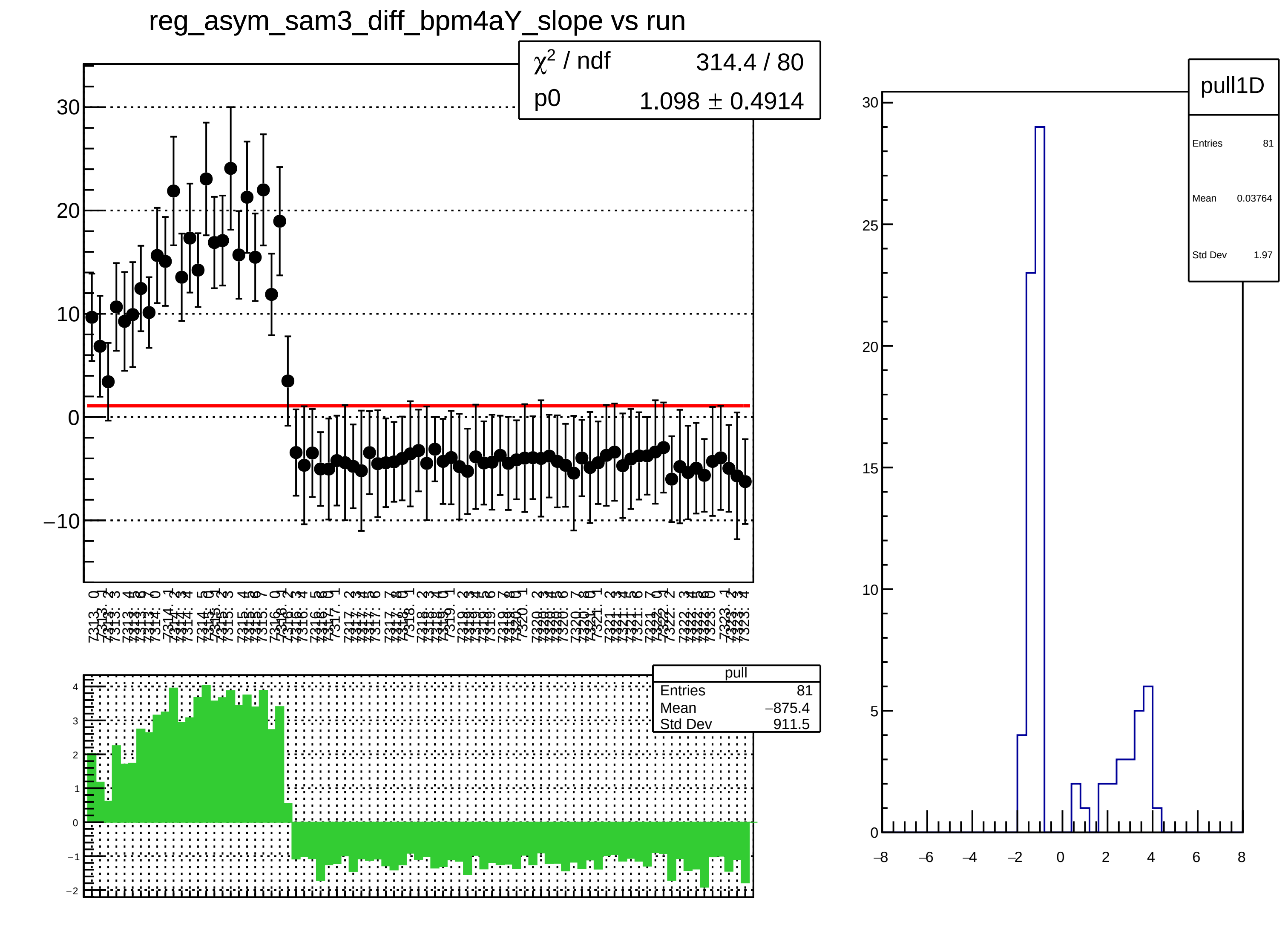

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 19.74 / 80
p0 −140.3 ± 1.629
pull
Entries 81
Mean 180.9
Std Dev 159.5
pull1D
Entries 81
Mean 0.02284
Std Dev 0.4932



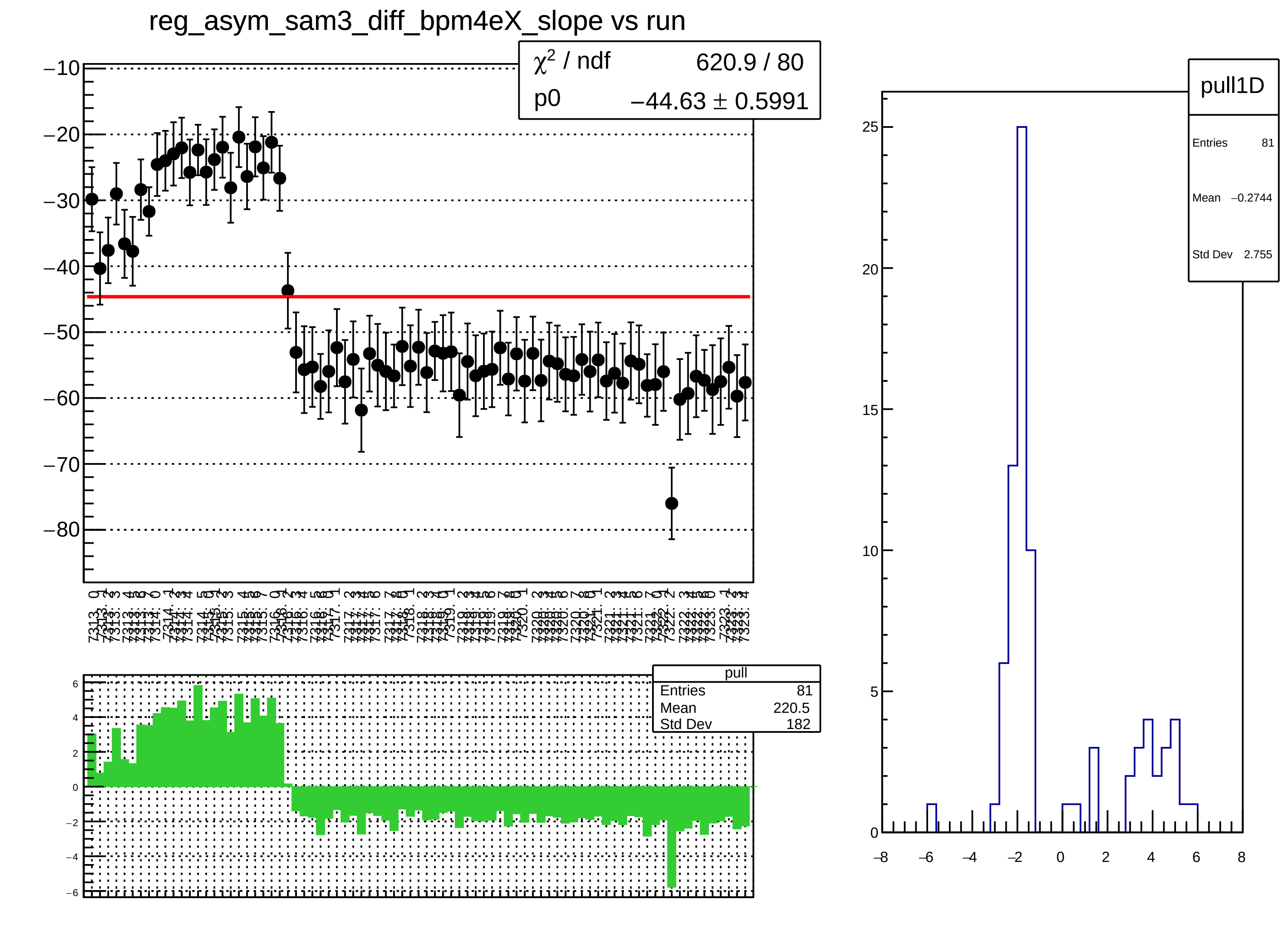
reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 8.29 / 80
p0 1.858 ± 0.06909
pull
Entries 81
Mean 232.3
Std Dev 72.17
pull1D
Entries 81
Mean −0.002537
Std Dev 0.3199



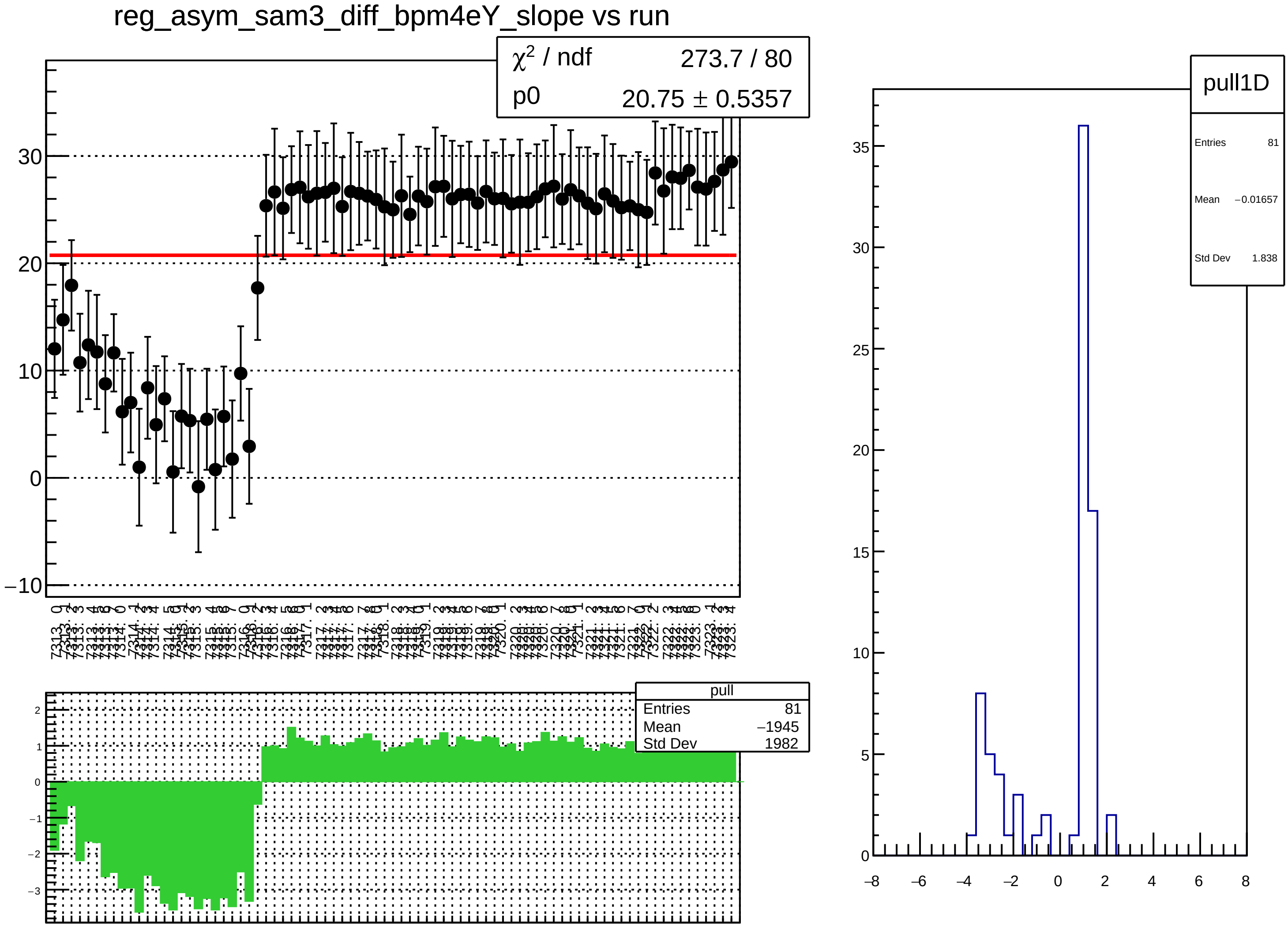
reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 1064 / 80
p0 −32.42 ± 0.6015
pull
Entries 81
Mean 225.2
Std Dev 186.8
pull1D
Entries 81
Mean 0.3341
Std Dev 3.608



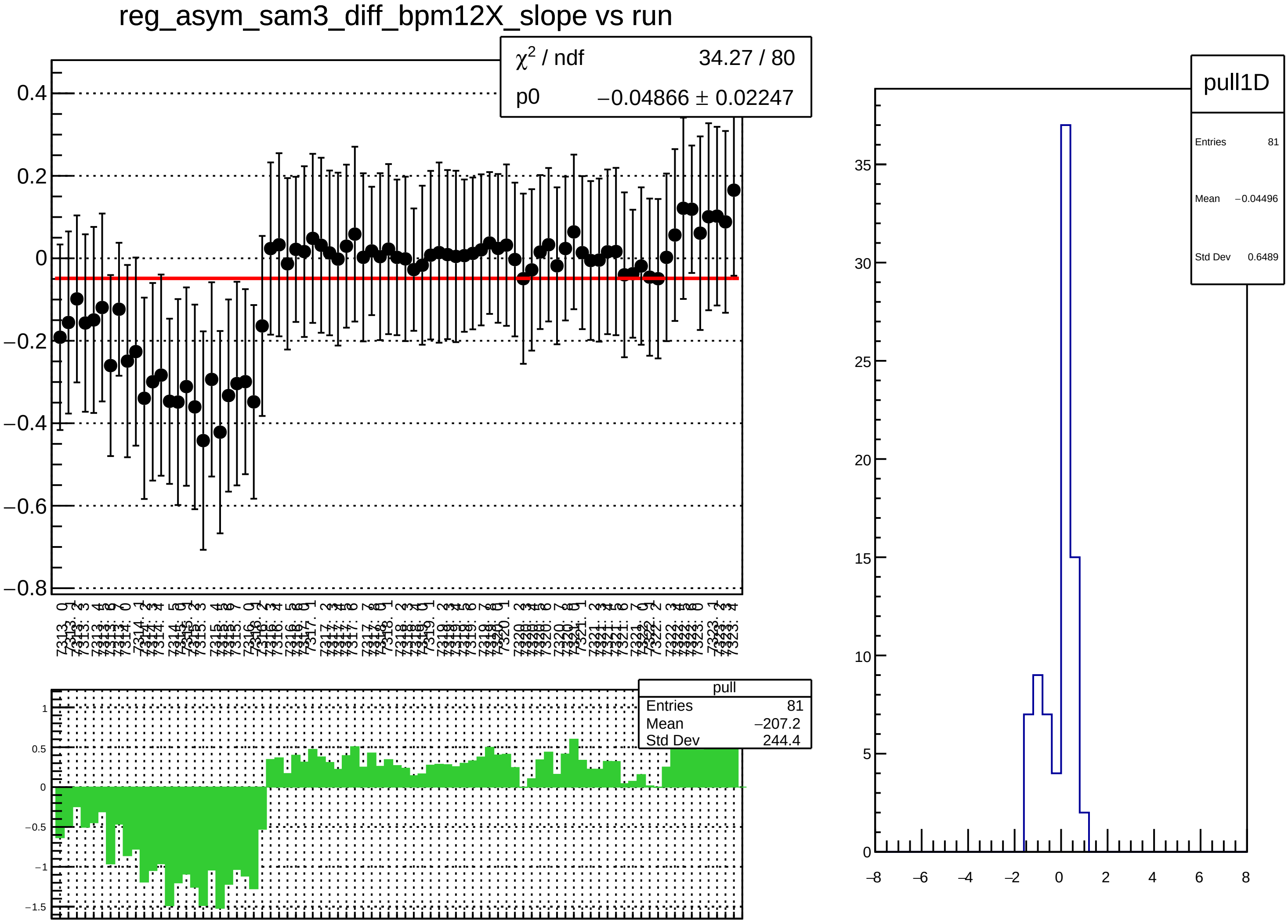
reg_asym_sam3_diff_bpm4aY_slope vs run
χ2 / ndf 314.4 / 80
p0 1.098 ± 0.4914
pull
Entries 81
Mean −875.4
Std Dev 911.5
pull1D
Entries 81
Mean 0.03764
Std Dev 1.97



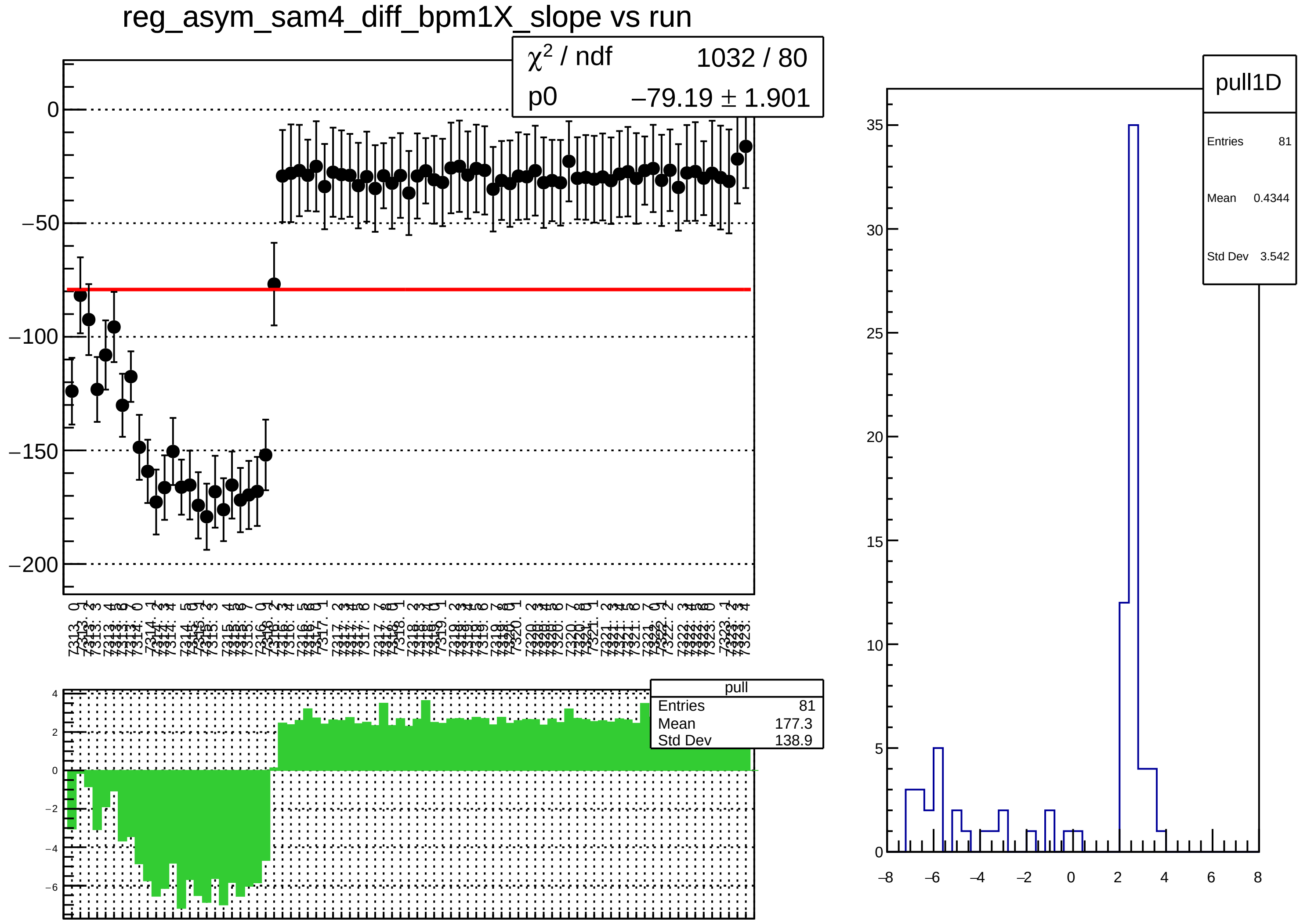
reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 620.9 / 80
p0 −44.63 ± 0.5991
pull
Entries 81
Mean 220.5
Std Dev 182
pull1D
Entries 81
Mean −0.2744
Std Dev 2.755

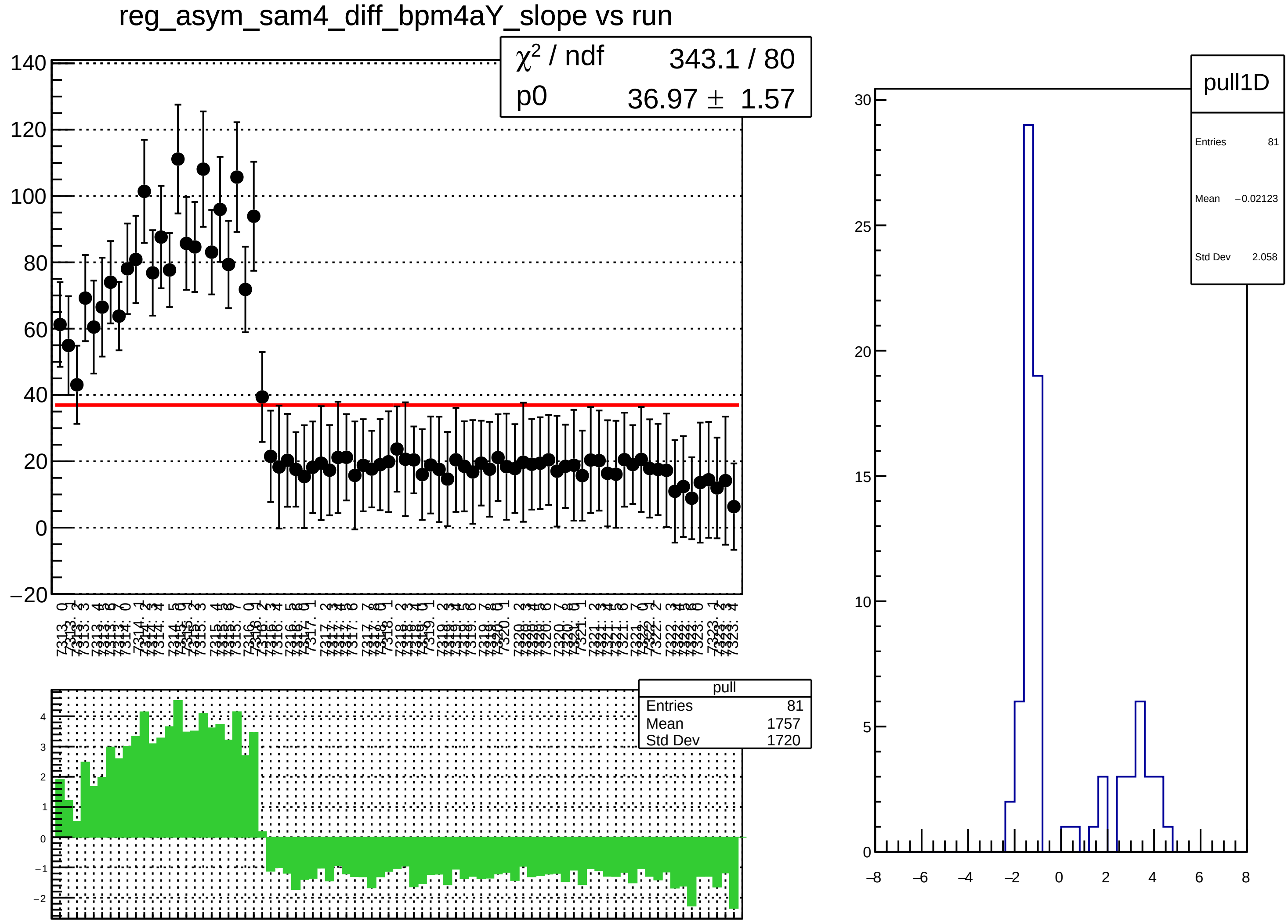


reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 273.7 / 80
p0 20.75 ± 0.5357
pull
Entries 81
Mean −1945
Std Dev 1982
pull1D
Entries 81
Mean −0.01657
Std Dev 1.838

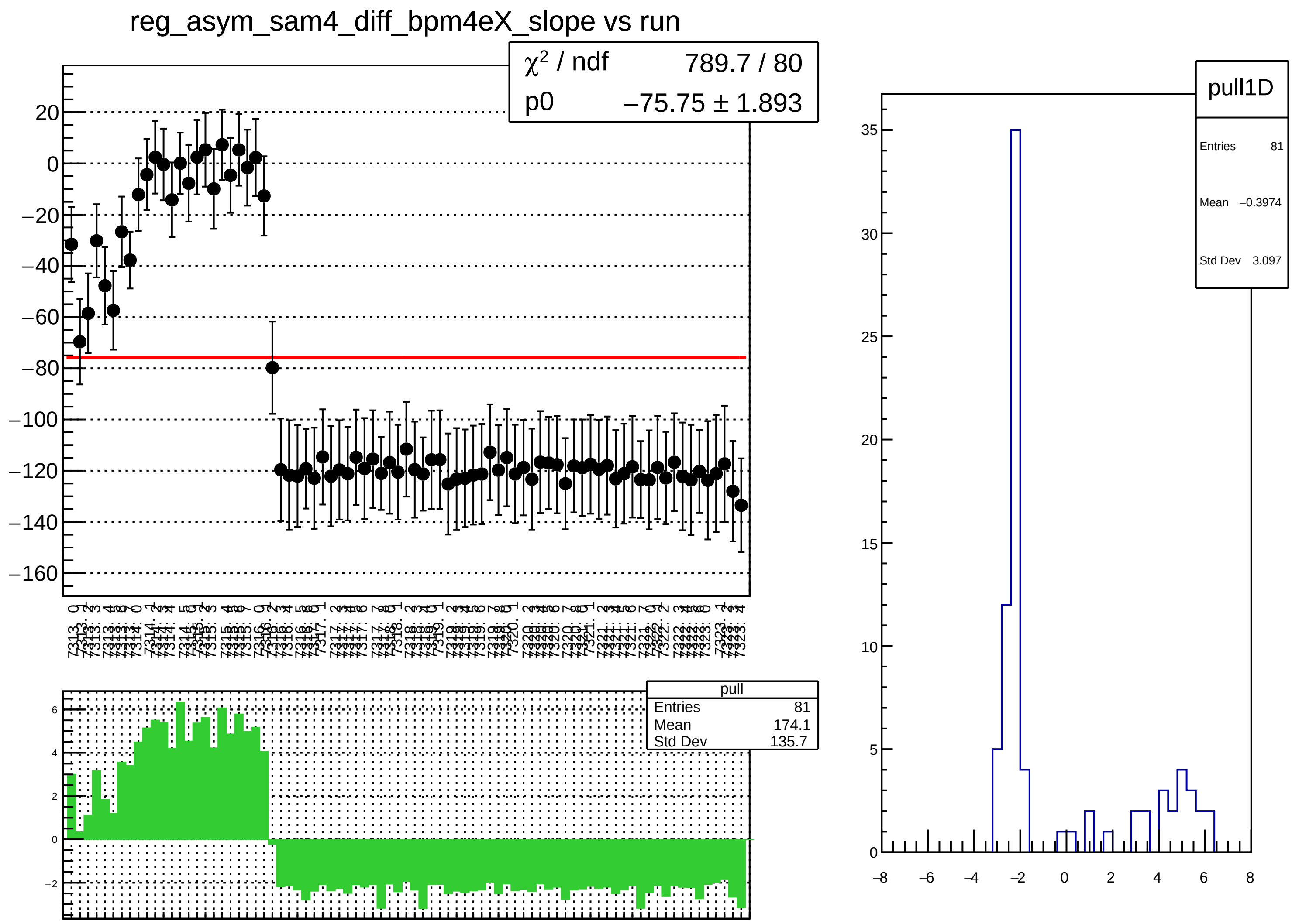


reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 34.27 / 80
p0 −0.04866 ± 0.02247
pull
Entries 81
Mean −207.2
Std Dev 244.4
pull1D
Entries 81
Mean −0.04496
Std Dev 0.6489

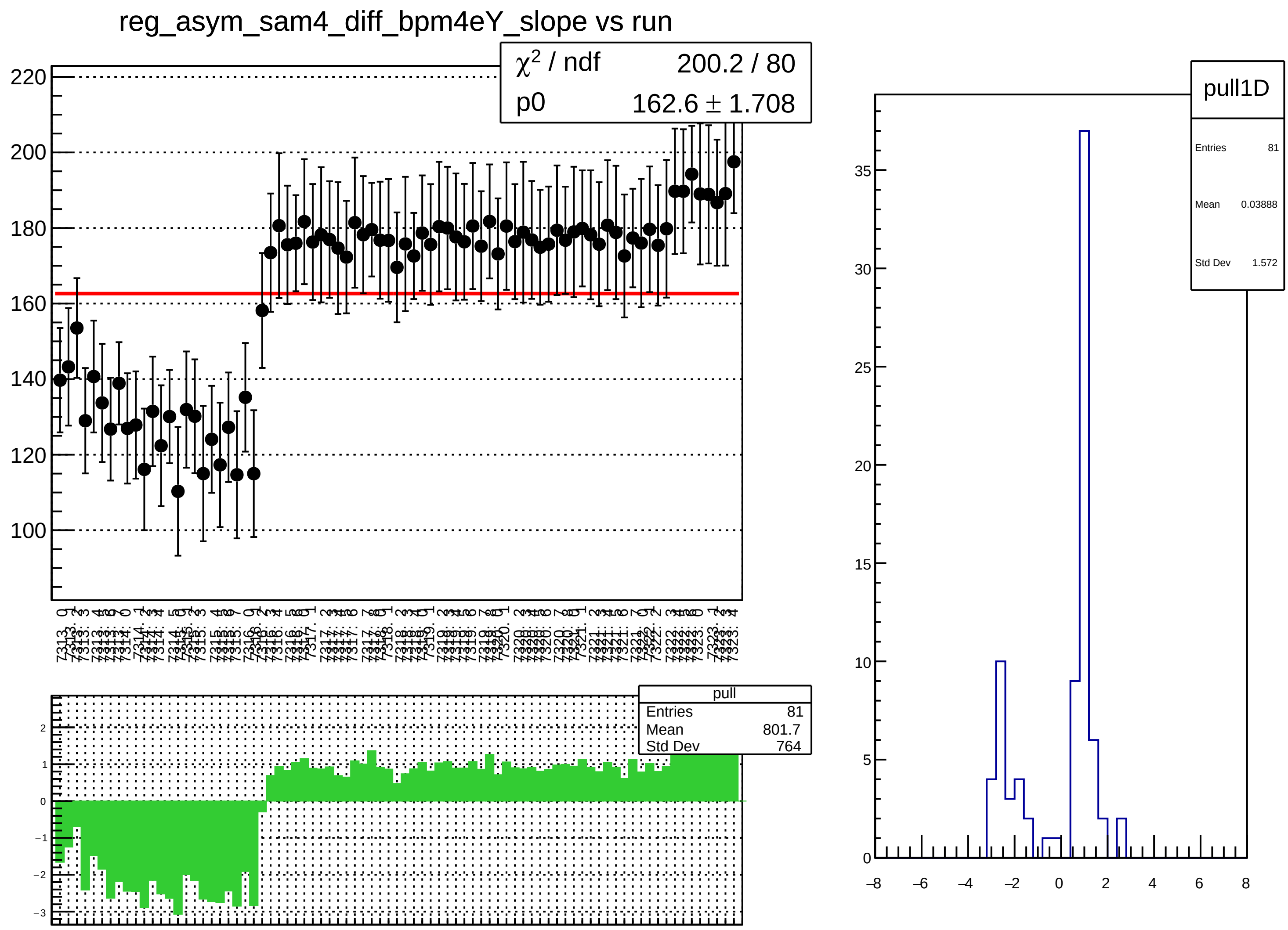

reg_asym_sam4_diff_bpm1X_slope vs run
χ2 / ndf 1032 / 80
p0 −79.19 ± 1.901
pull
Entries 81
Mean 177.3
Std Dev 138.9
pull1D
Entries 81
Mean 0.4344
Std Dev 3.542

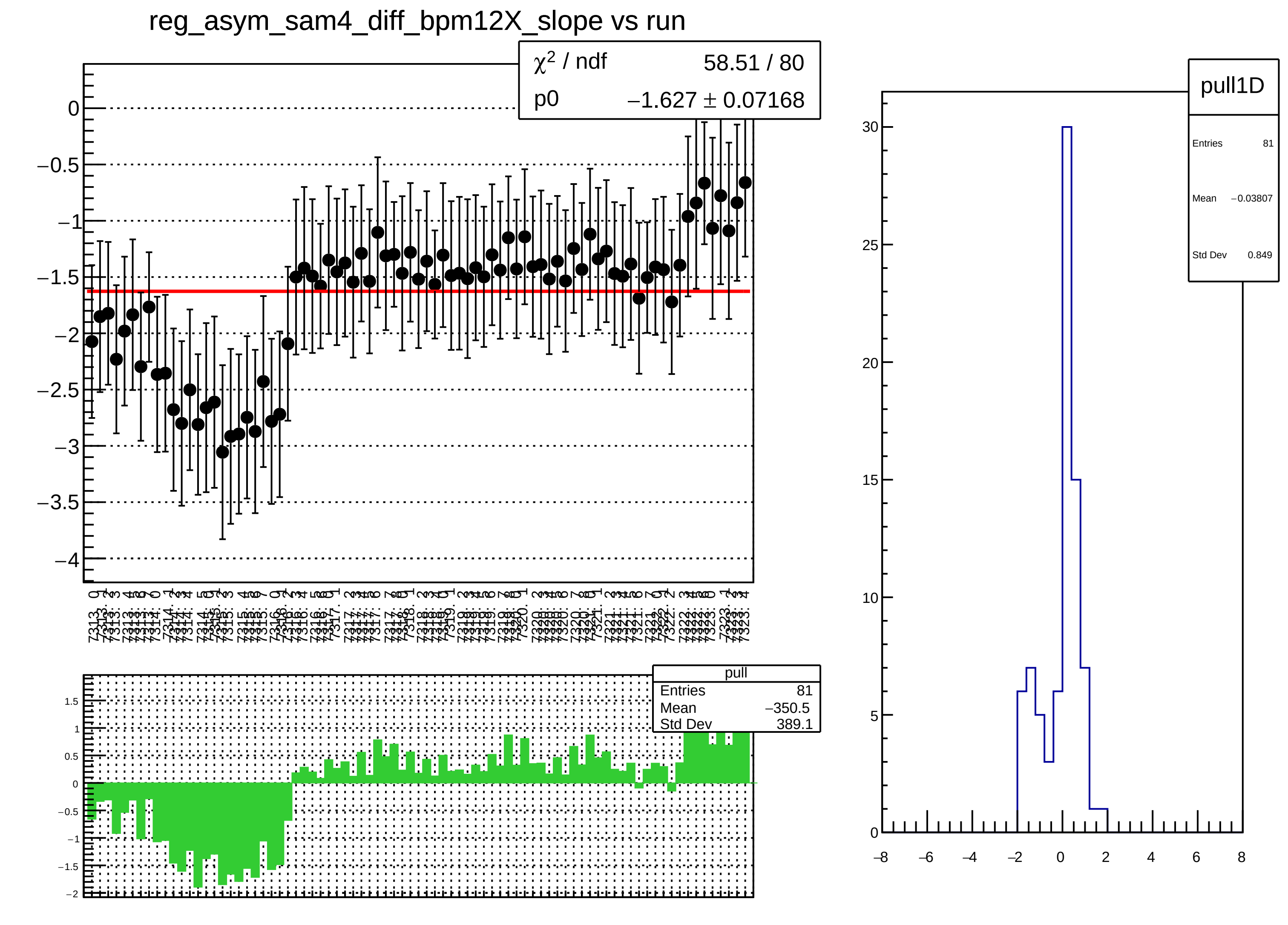


reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 343.1 / 80
p0 36.97 ± 1.57
pull
Entries 81
Mean 1757
Std Dev 1720
pull1D
Entries 81
Mean −0.02123
Std Dev 2.058

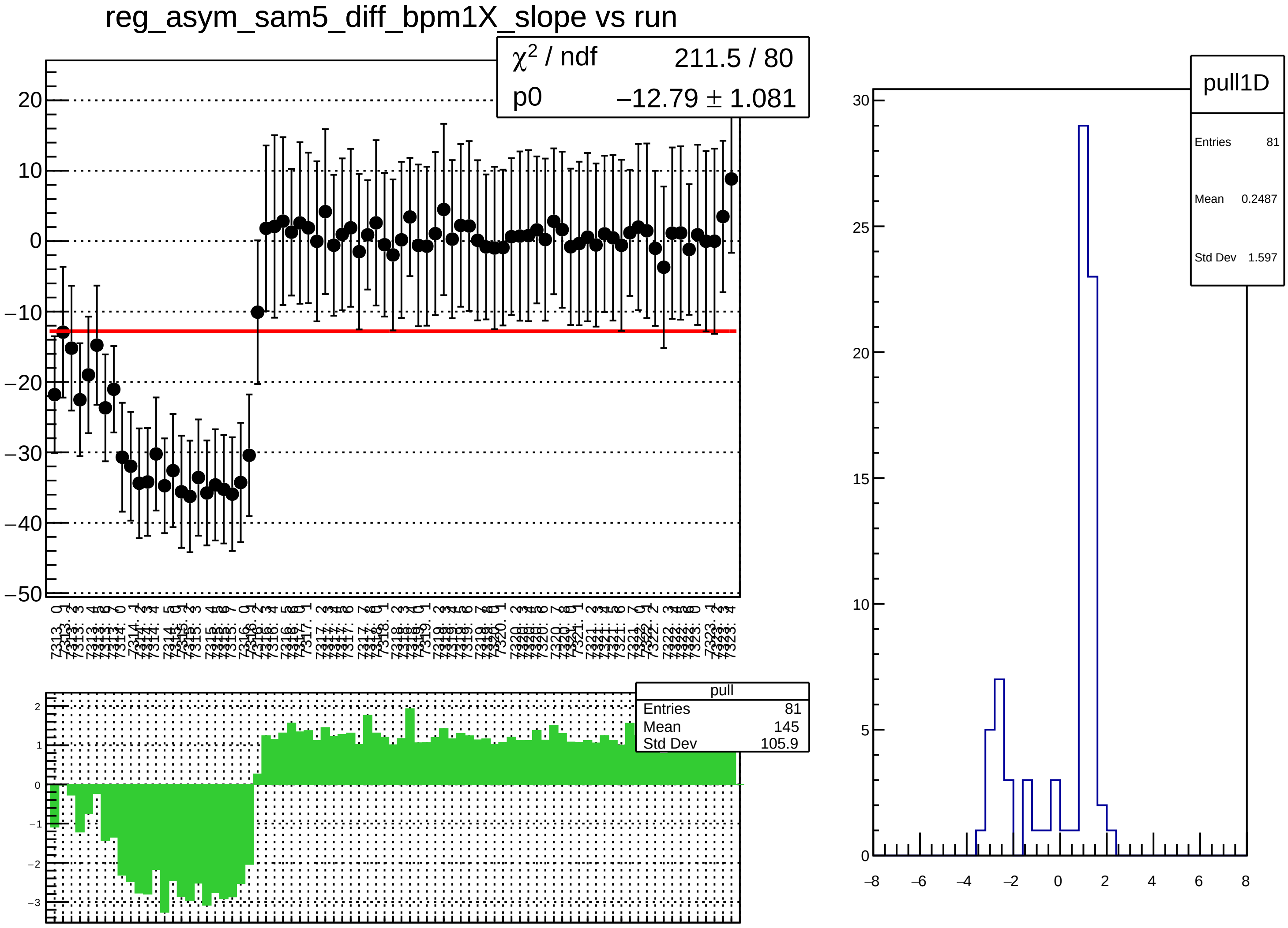


reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 789.7 / 80
p0 −75.75 ± 1.893
pull
Entries 81
Mean 174.1
Std Dev 135.7
pull1D
Entries 81
Mean −0.3974
Std Dev 3.097

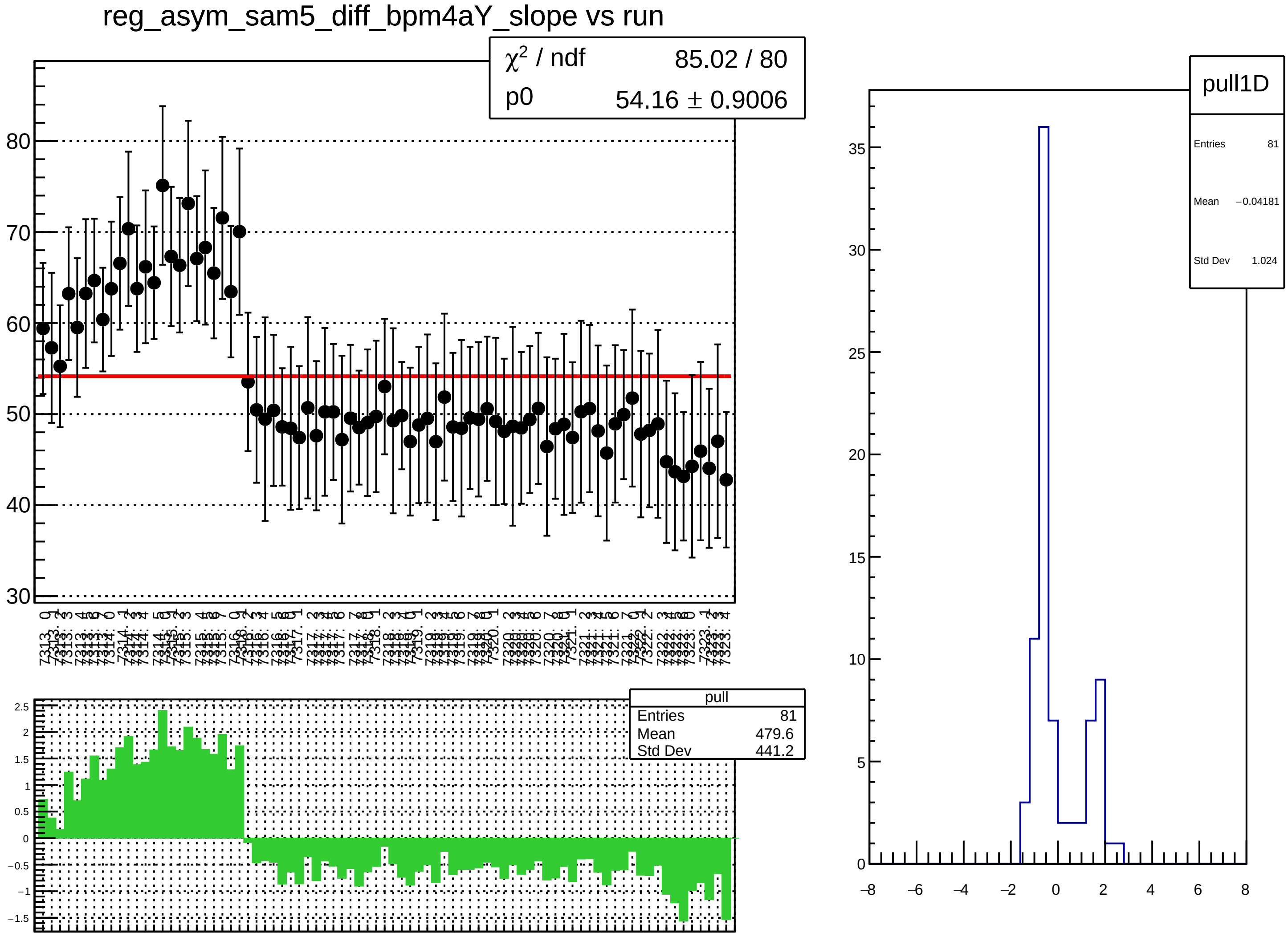

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 200.2 / 80
p0 162.6 ± 1.708
pull
Entries 81
Mean 801.7
Std Dev 764
pull1D
Entries 81
Mean 0.03888
Std Dev 1.572



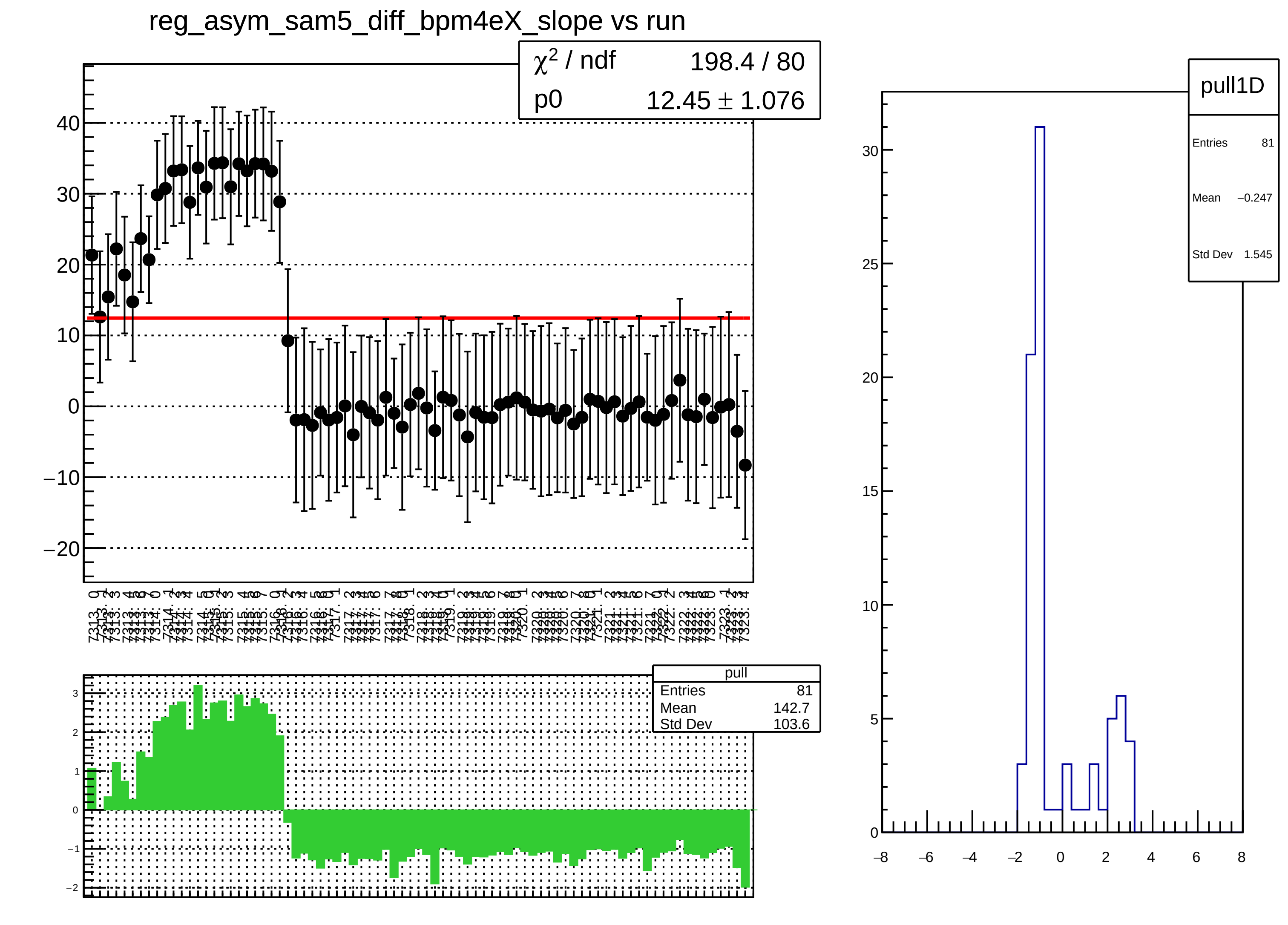
reg_asym_sam4_diff_bpm12X_slope vs run
χ2 / ndf 58.51 / 80
p0 −1.627 ± 0.07168
pull
Entries 81
Mean −350.5
Std Dev 389.1
pull1D
Entries 81
Mean −0.03807
Std Dev 0.849



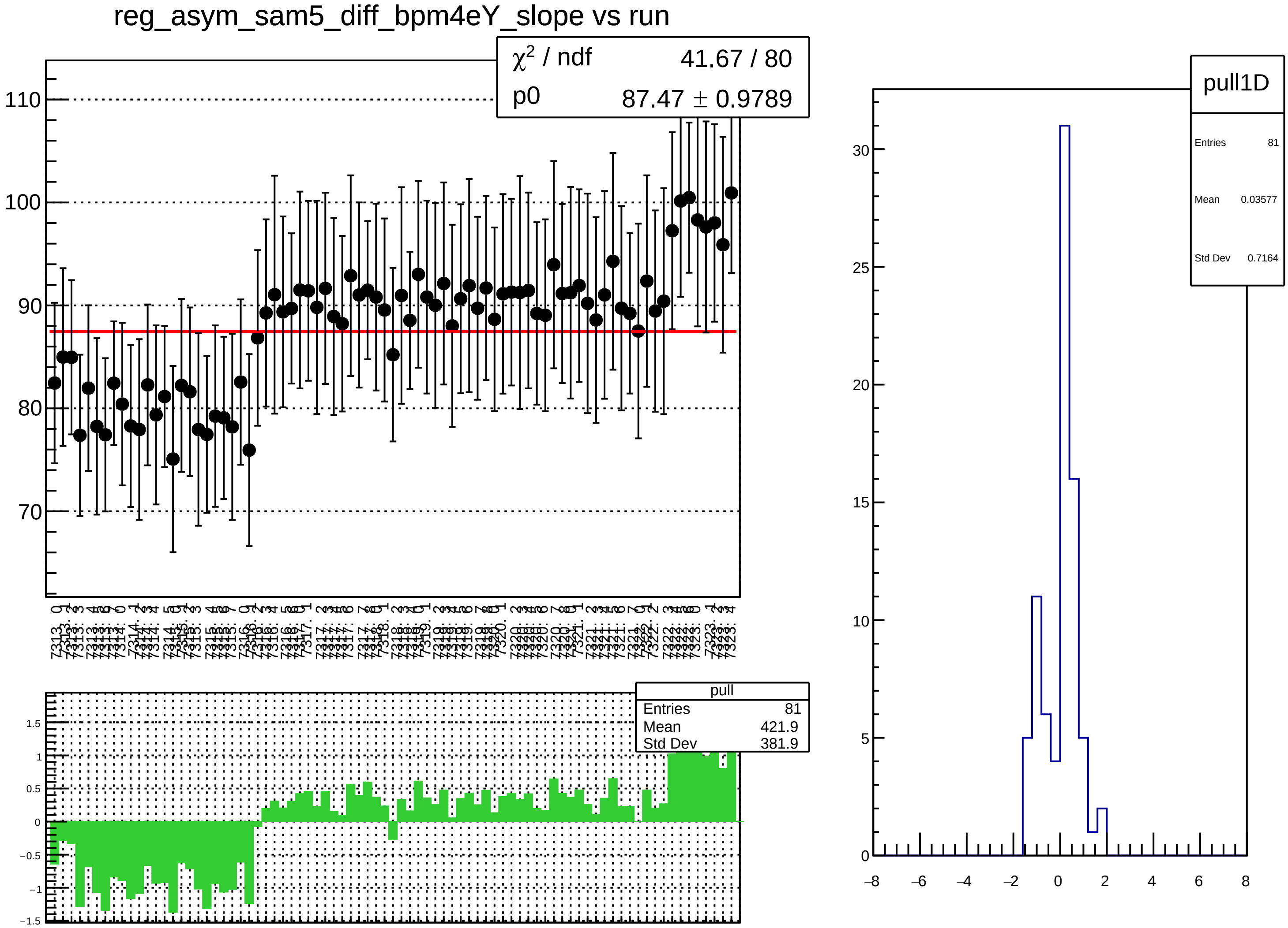
reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 211.5 / 80
p0 −12.79 ± 1.081
pull
Entries 81
Mean 145
Std Dev 105.9
pull1D
Entries 81
Mean 0.2487
Std Dev 1.597



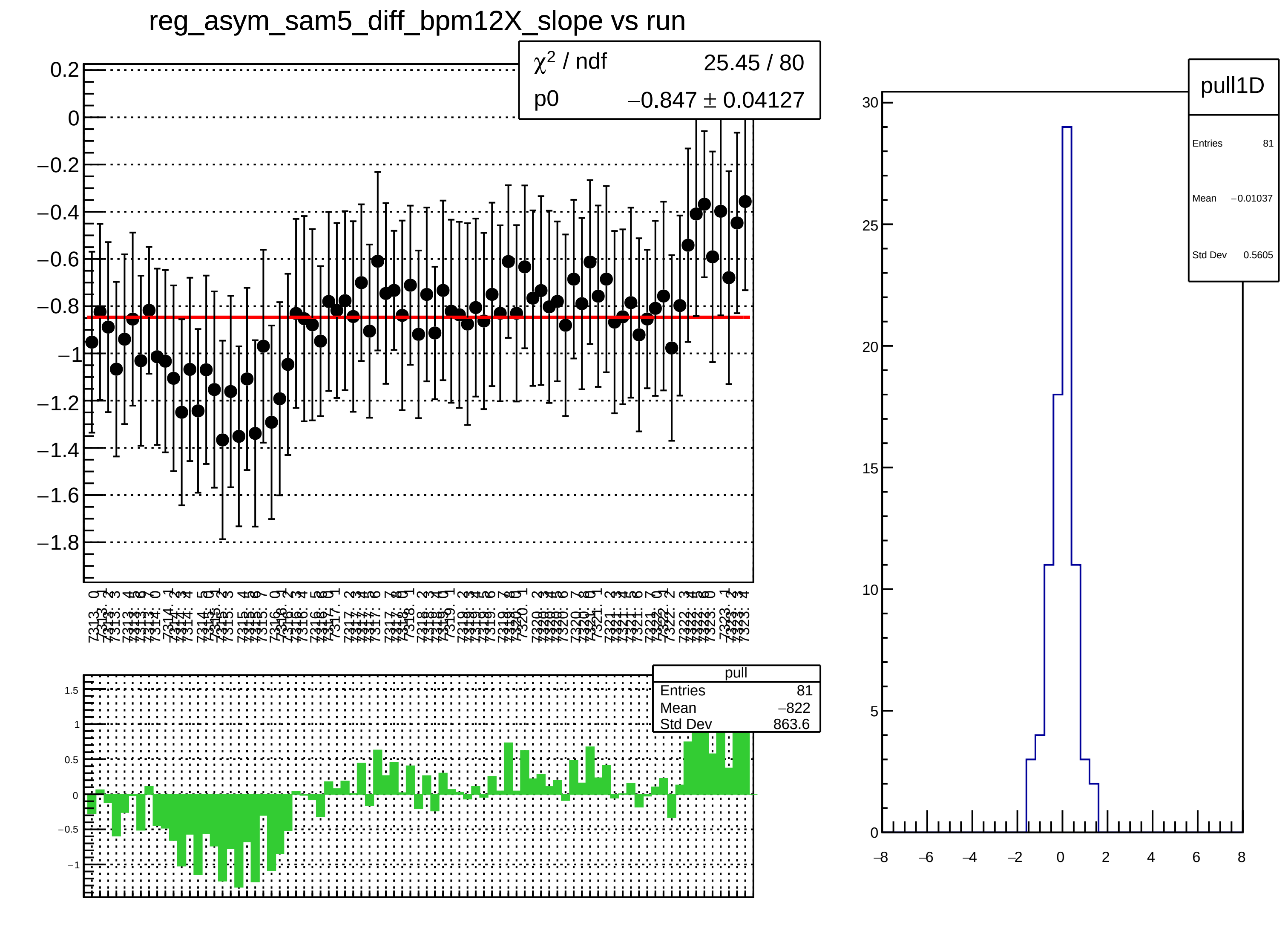
reg_asym_sam5_diff_bpm4aY_slope vs run
χ2 / ndf 85.02 / 80
p0 54.16 ± 0.9006
pull
Entries 81
Mean 479.6
Std Dev 441.2
pull1D
Entries 81
Mean −0.04181
Std Dev 1.024



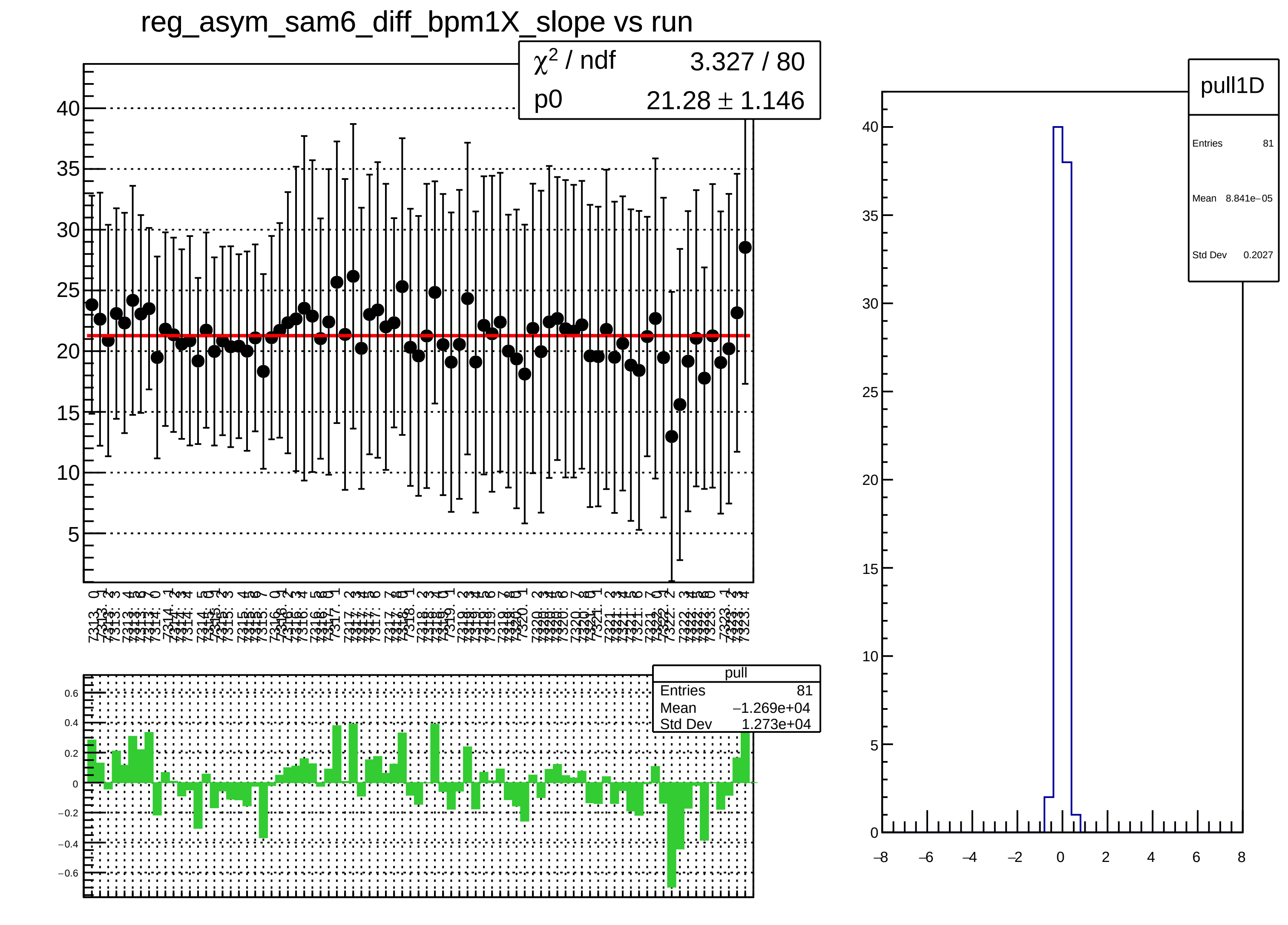
reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 198.4 / 80
p0 12.45 ± 1.076
pull
Entries 81
Mean 142.7
Std Dev 103.6
pull1D
Entries 81
Mean −0.247
Std Dev 1.545

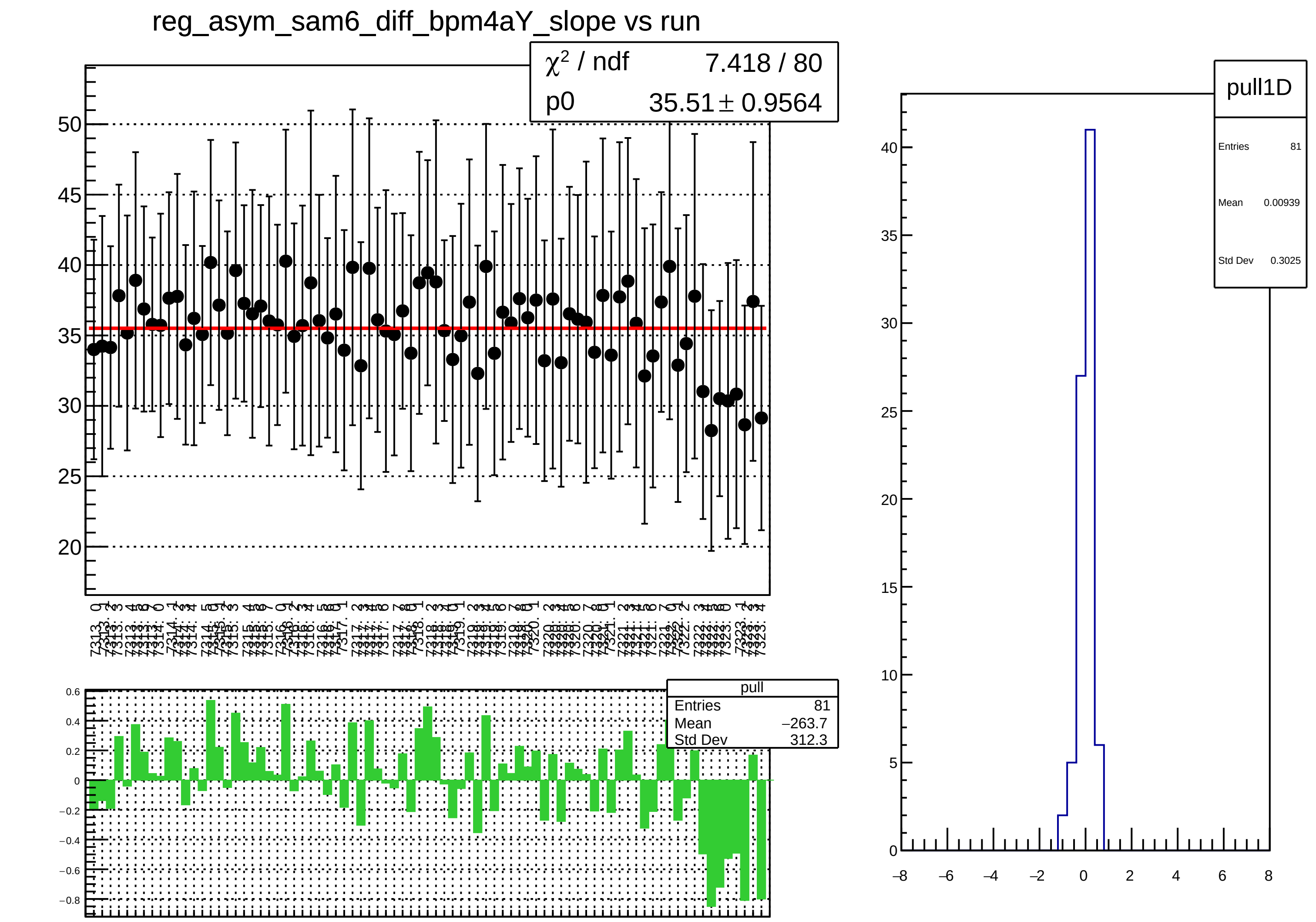


reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 41.67 / 80
p0 87.47 ± 0.9789
110
100
90
80
70
pull
Entries 81
Mean 421.9
Std Dev 381.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean 0.03577
Std Dev 0.7164
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

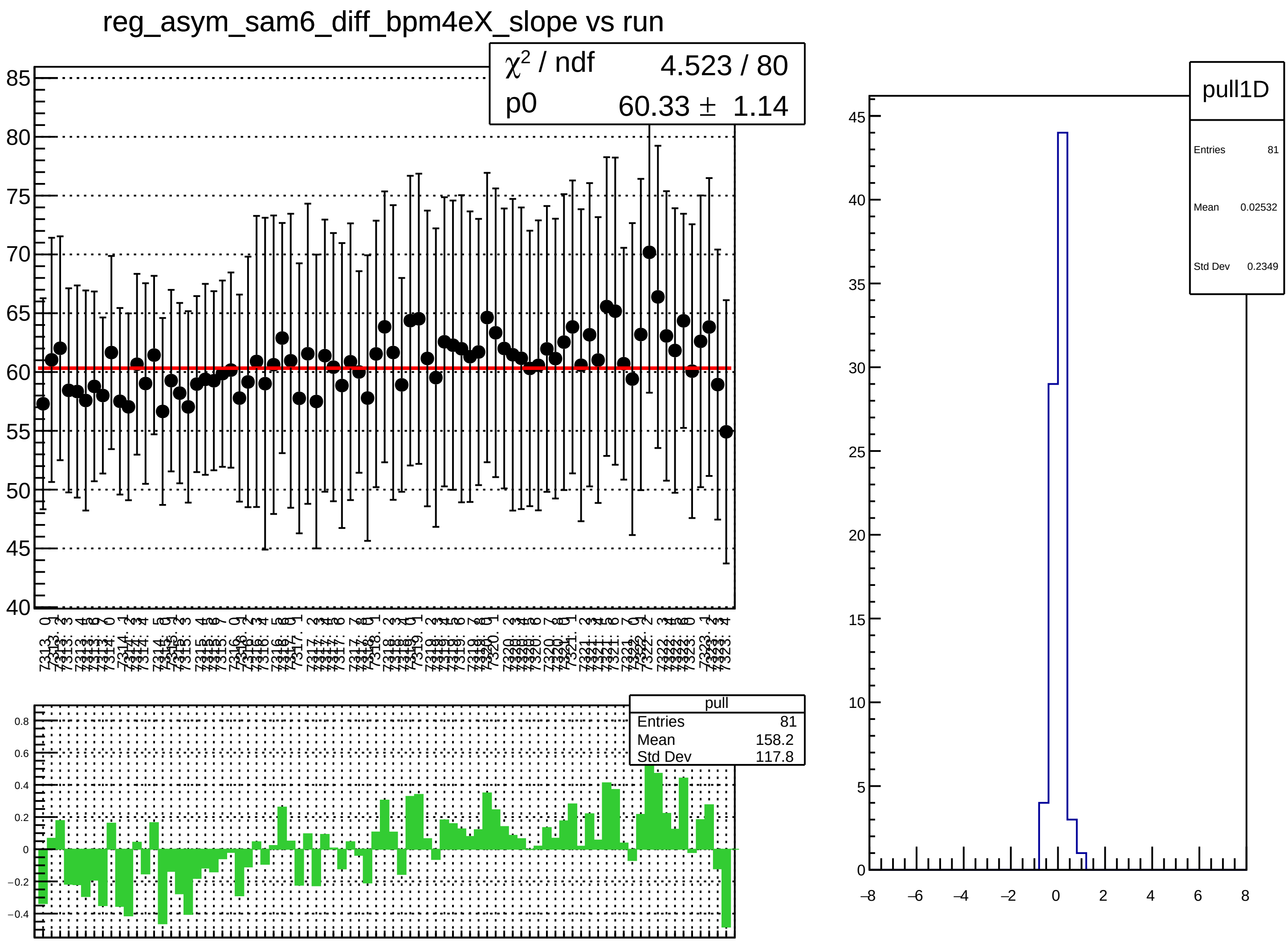


reg_asym_sam5_diff_bpm12X_slope vs run
χ2 / ndf 25.45 / 80
p0 −0.847 ± 0.04127
pull
Entries 81
Mean −822
Std Dev 863.6
pull1D
Entries 81
Mean −0.01037
Std Dev 0.5605

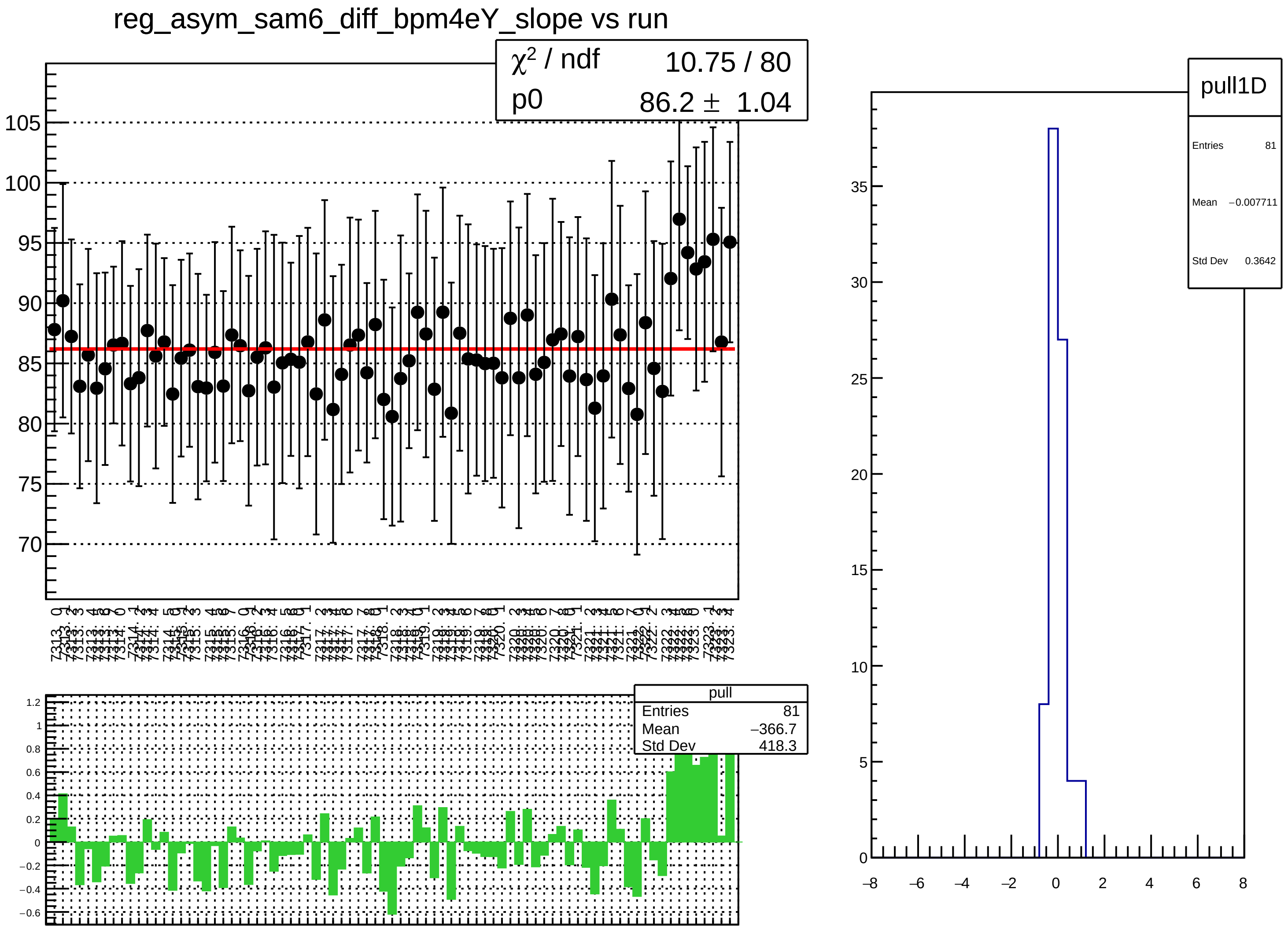

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 3.327 / 80
p0 21.28 ± 1.146
pull
Entries 81
Mean −1.269e+04
Std Dev 1.273e+04
pull1D
Entries 81
Mean 8.841e−05
Std Dev 0.2027



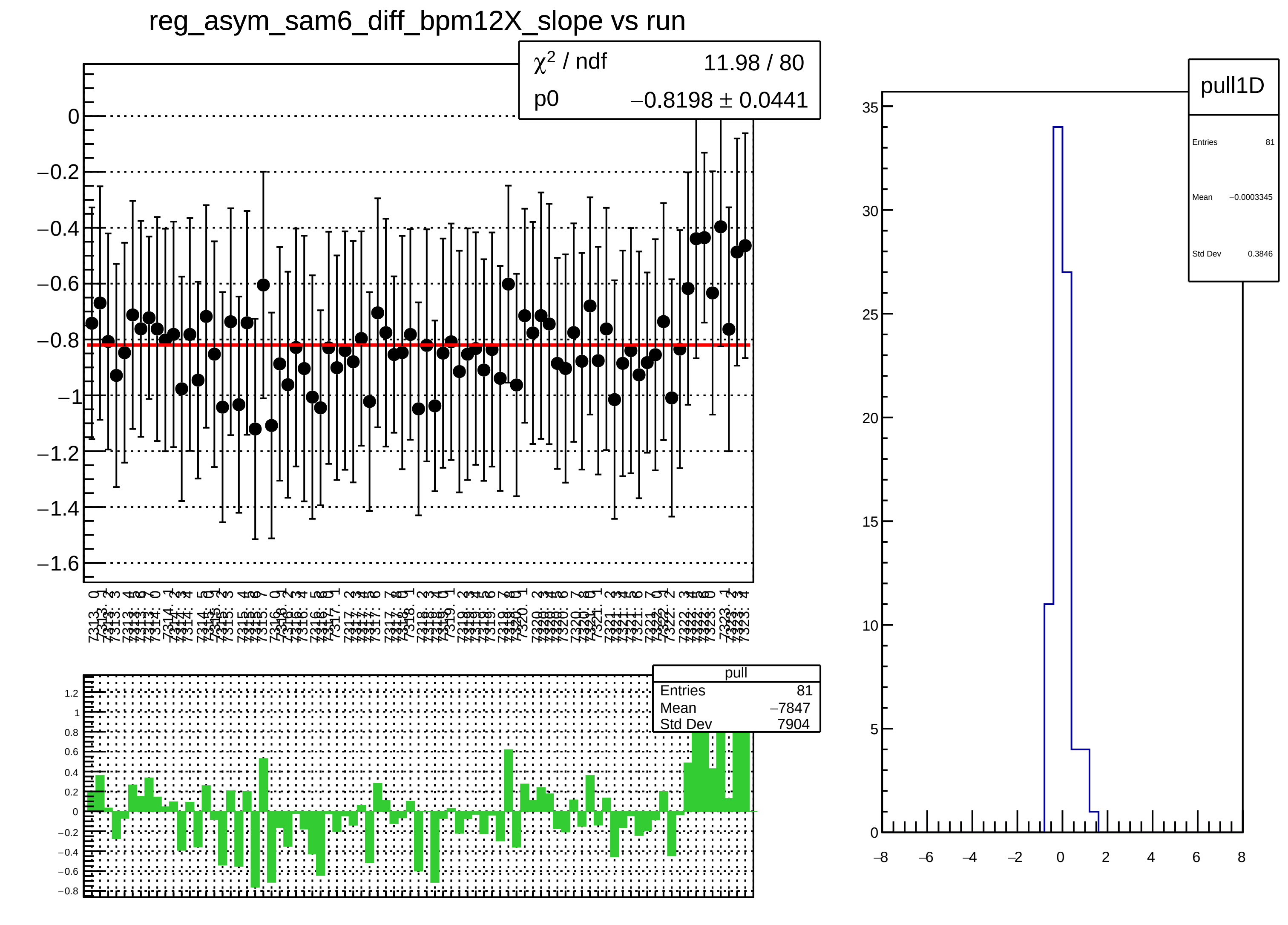
reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 7.418 / 80
p0 35.51 ± 0.9564
pull
Entries 81
Mean −263.7
Std Dev 312.3
pull1D
Entries 81
Mean 0.00939
Std Dev 0.3025



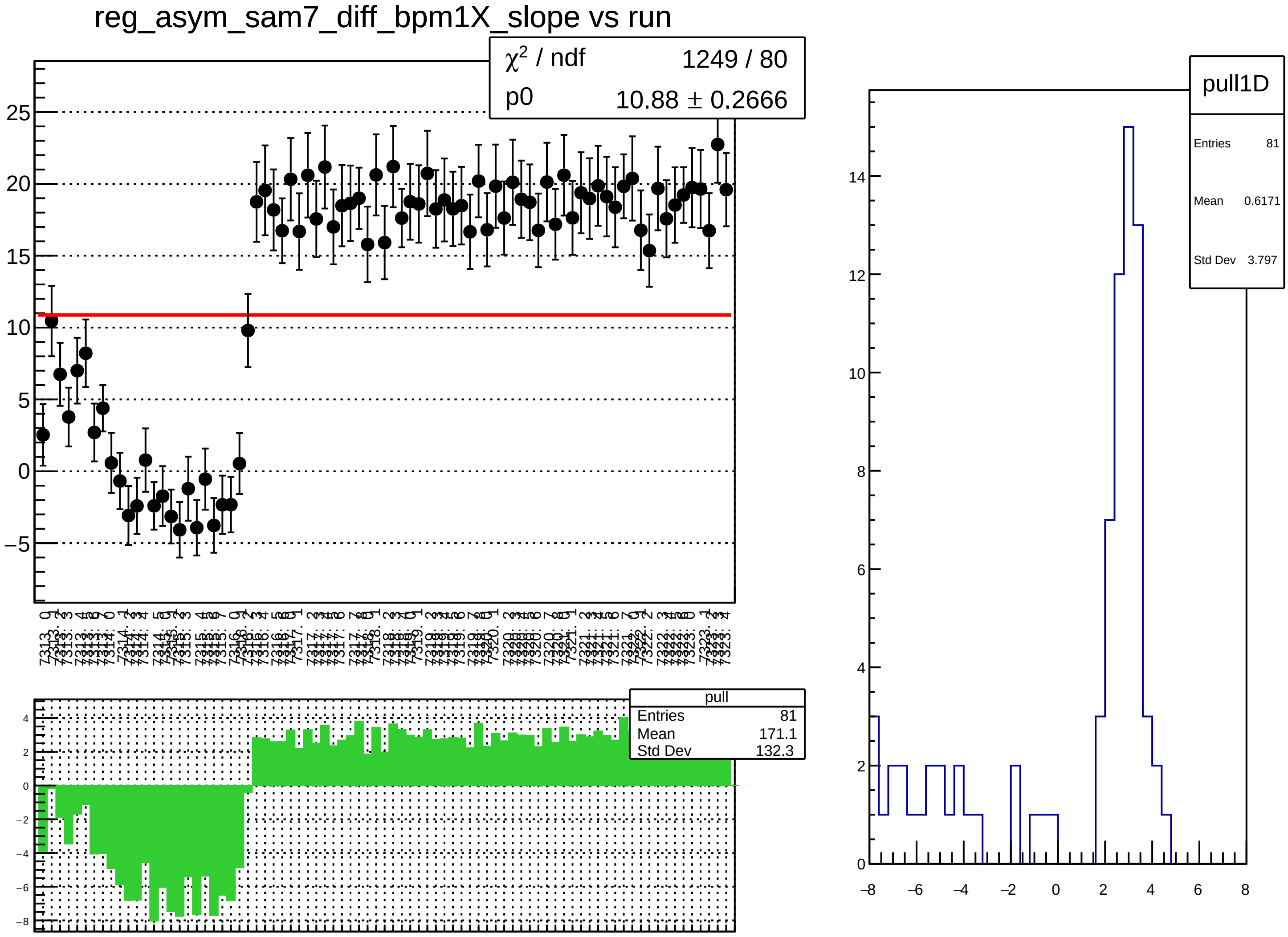
reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 4.523 / 80
p0 60.33 ± 1.14
pull
Entries 81
Mean 158.2
Std Dev 117.8
pull1D
Entries 81
Mean 0.02532
Std Dev 0.2349



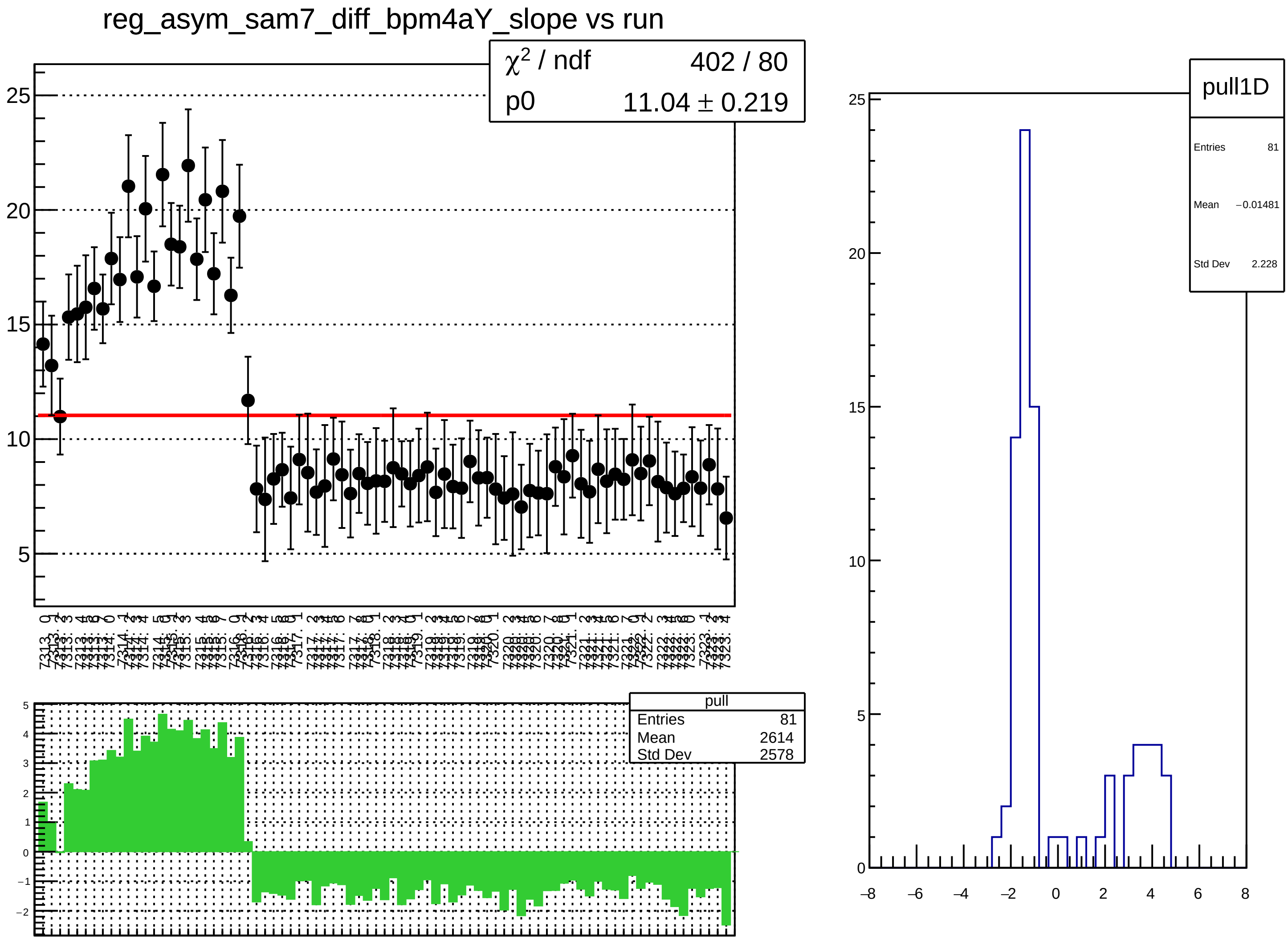
reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 10.75 / 80
p0 86.2 ± 1.04
pull
Entries 81
Mean −366.7
Std Dev 418.3
pull1D
Entries 81
Mean −0.007711
Std Dev 0.3642



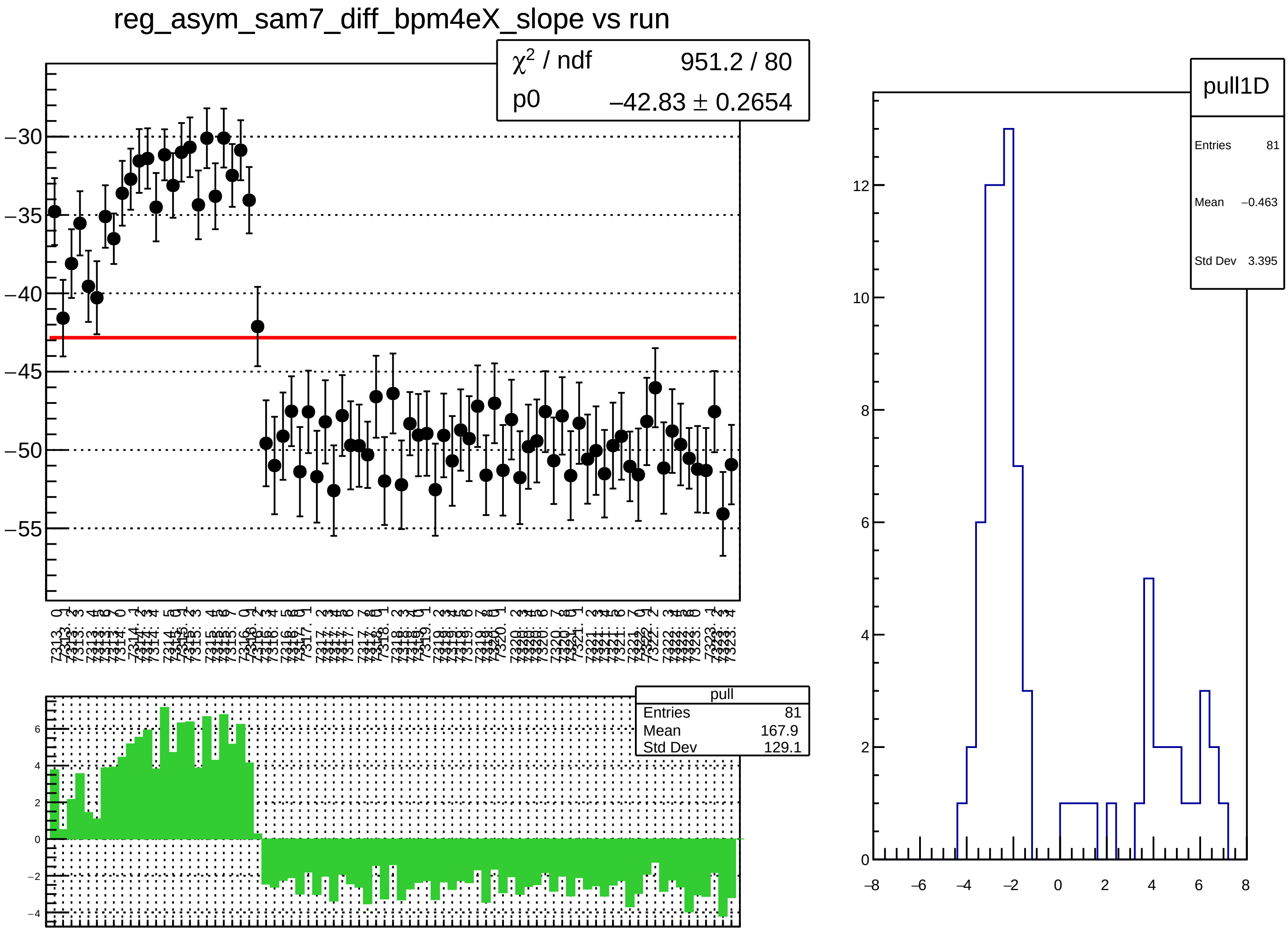
reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 11.98 / 80
p0 −0.8198 ± 0.0441
pull
Entries 81
Mean −7847
Std Dev 7904
pull1D
Entries 81
Mean −0.0003345
Std Dev 0.3846



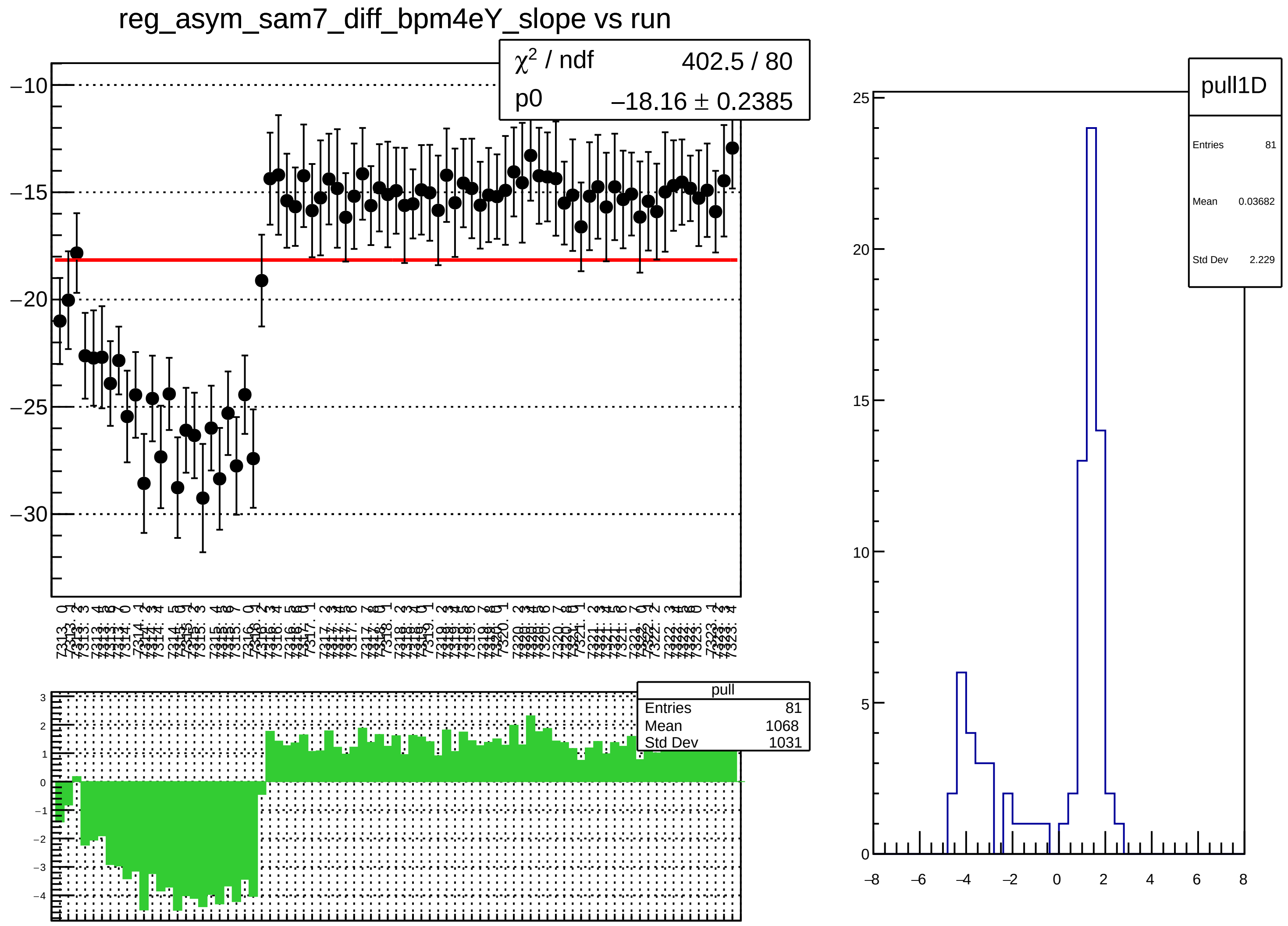
reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 1249 / 80
p0 10.88 ± 0.2666
pull
Entries 81
Mean 171.1
Std Dev 132.3
pull1D
Entries 81
Mean 0.6171
Std Dev 3.797



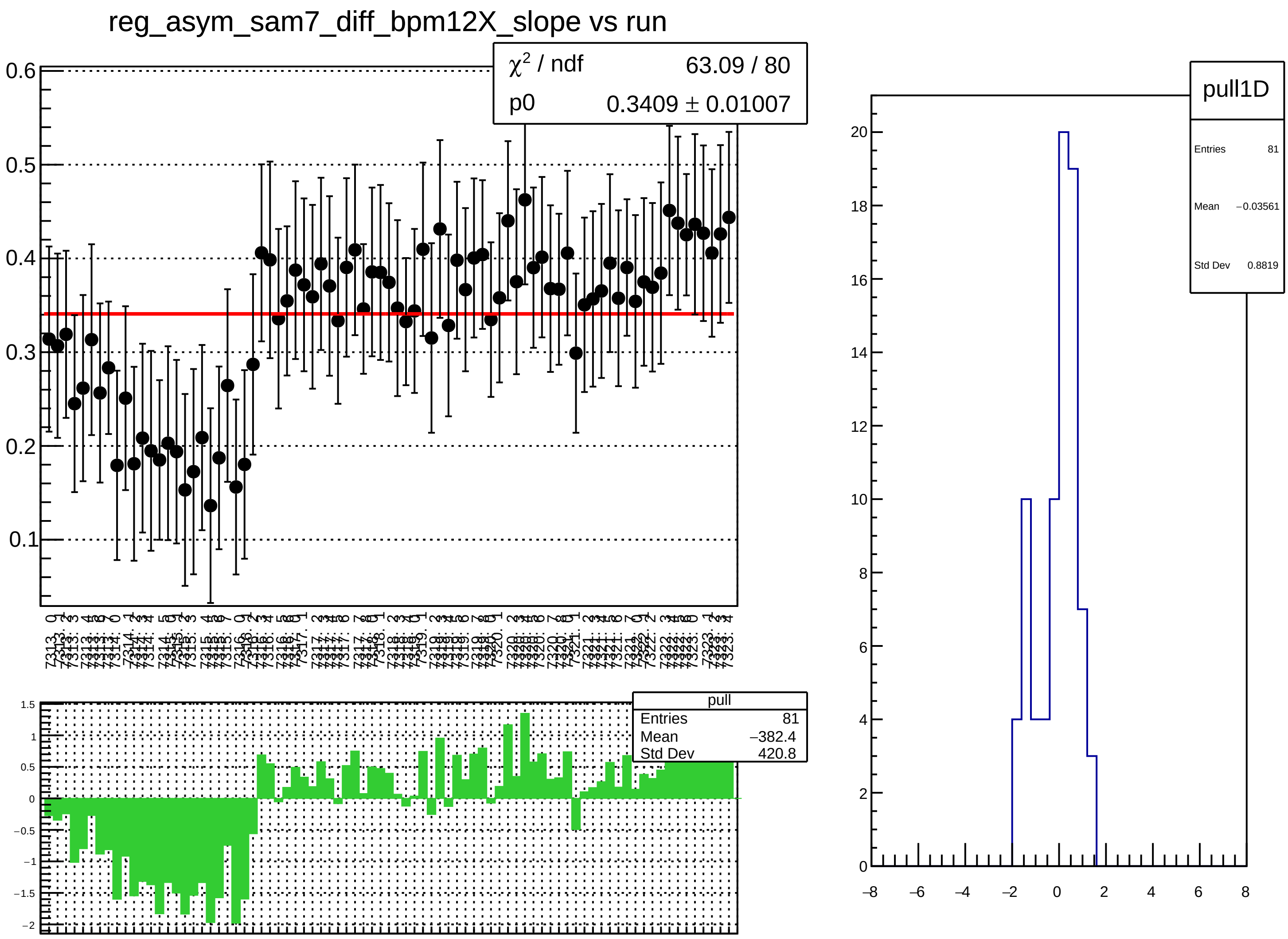
reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 402 / 80
p0 11.04 ± 0.219
pull
Entries 81
Mean 2614
Std Dev 2578
pull1D
Entries 81
Mean −0.01481
Std Dev 2.228



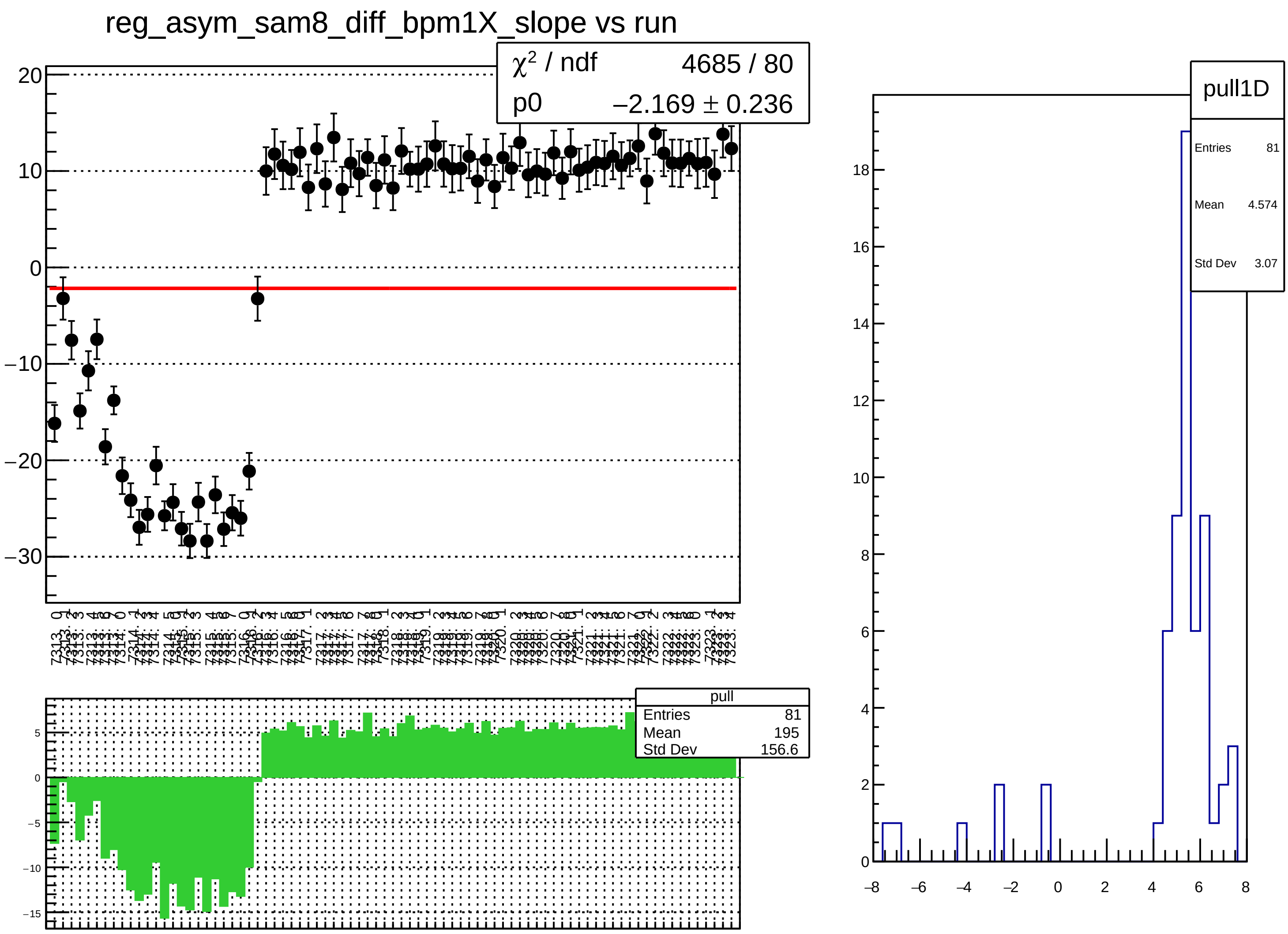
reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 951.2 / 80
p0 −42.83 ± 0.2654
pull
Entries 81
Mean 167.9
Std Dev 129.1
pull1D
Entries 81
Mean −0.463
Std Dev 3.395



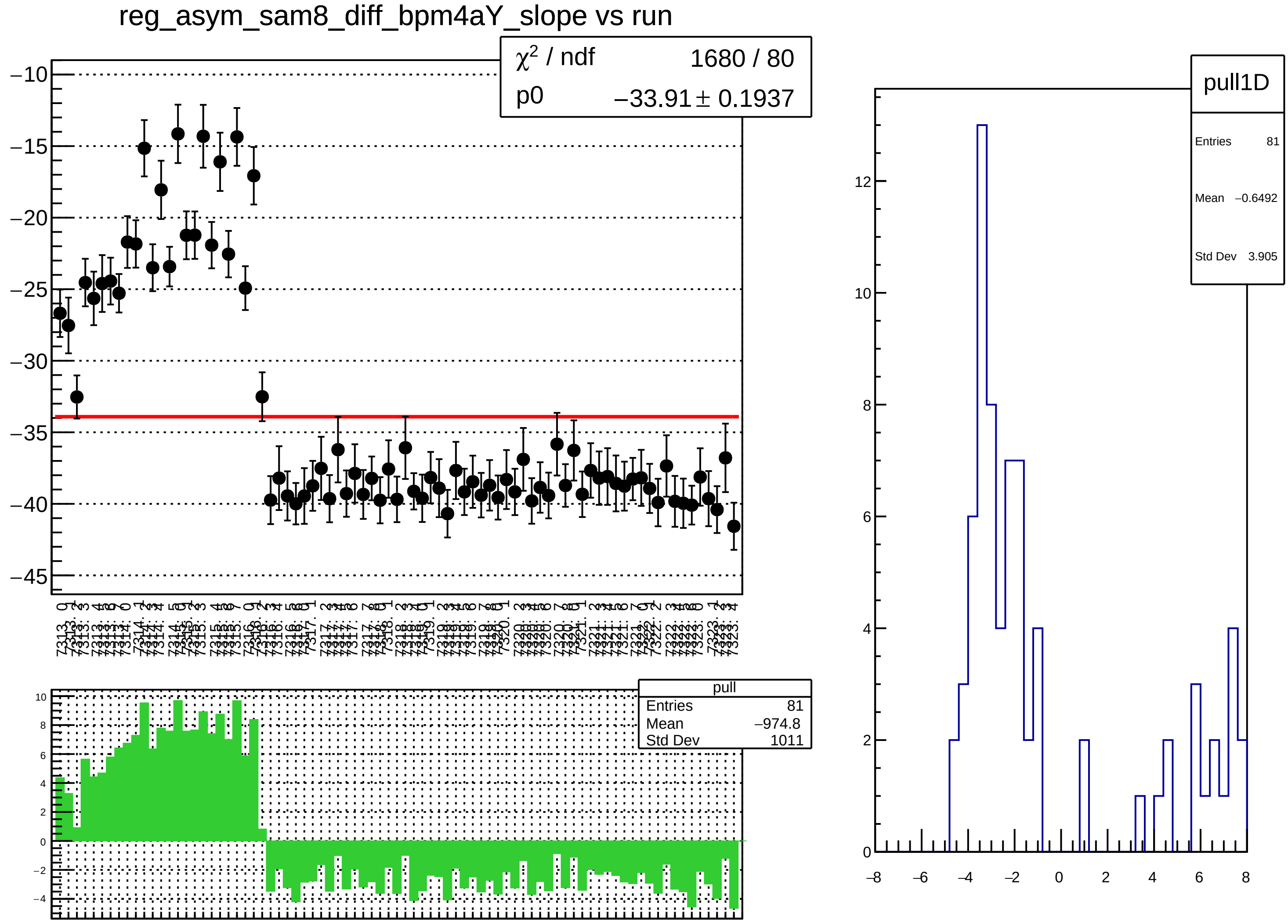
reg_asym_sam7_diff_bpm4eY_slope vs run
χ2 / ndf 402.5 / 80
p0 −18.16 ± 0.2385
−10
−15
−20
−25
−30
pull
Entries 81
Mean 1068
Std Dev 1031
pull1D
Entries 81
Mean 0.03682
Std Dev 2.229



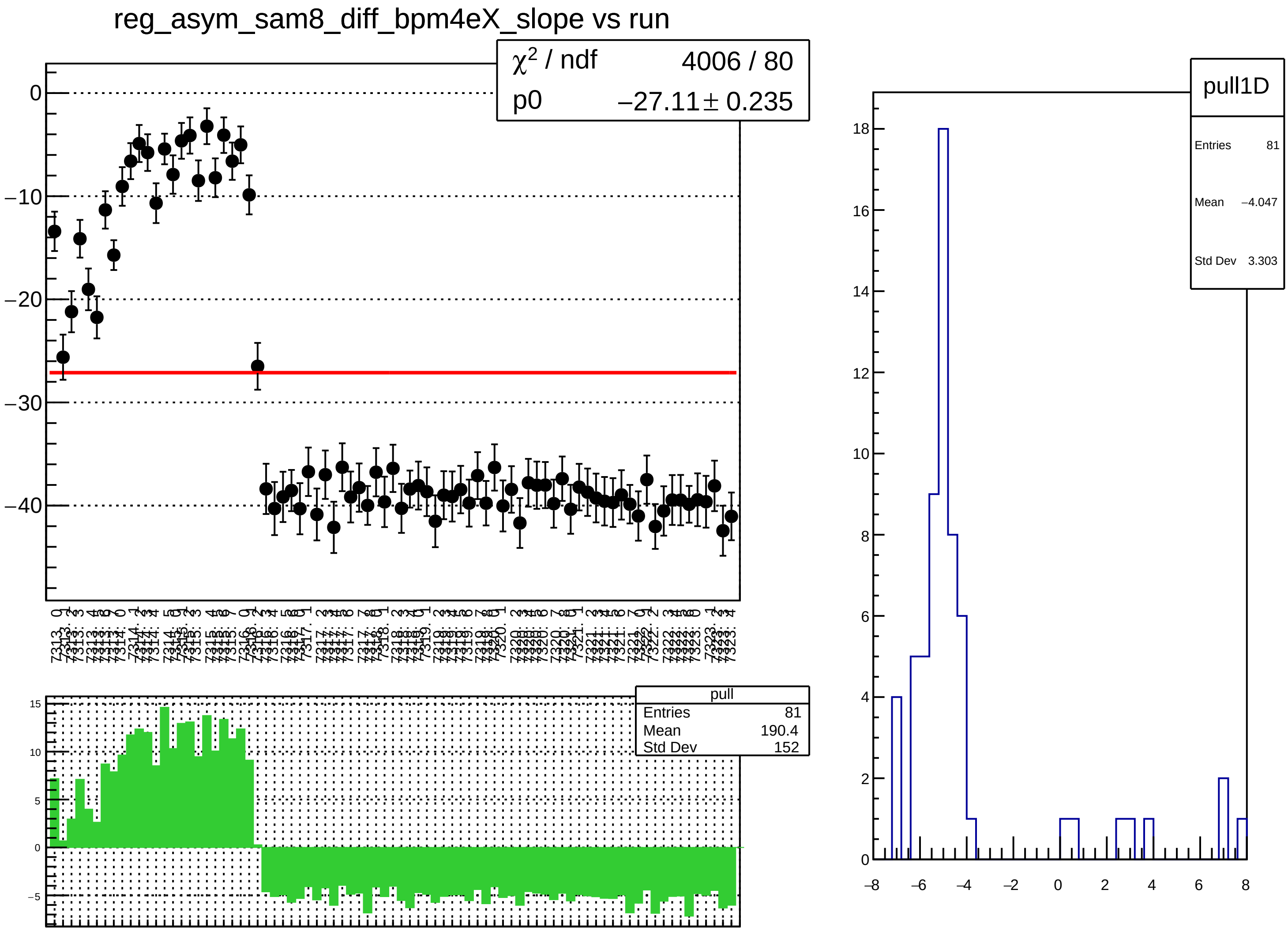
reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 63.09 / 80
p0 0.3409 ± 0.01007
pull
Entries 81
Mean −382.4
Std Dev 420.8
pull1D
Entries 81
Mean −0.03561
Std Dev 0.8819



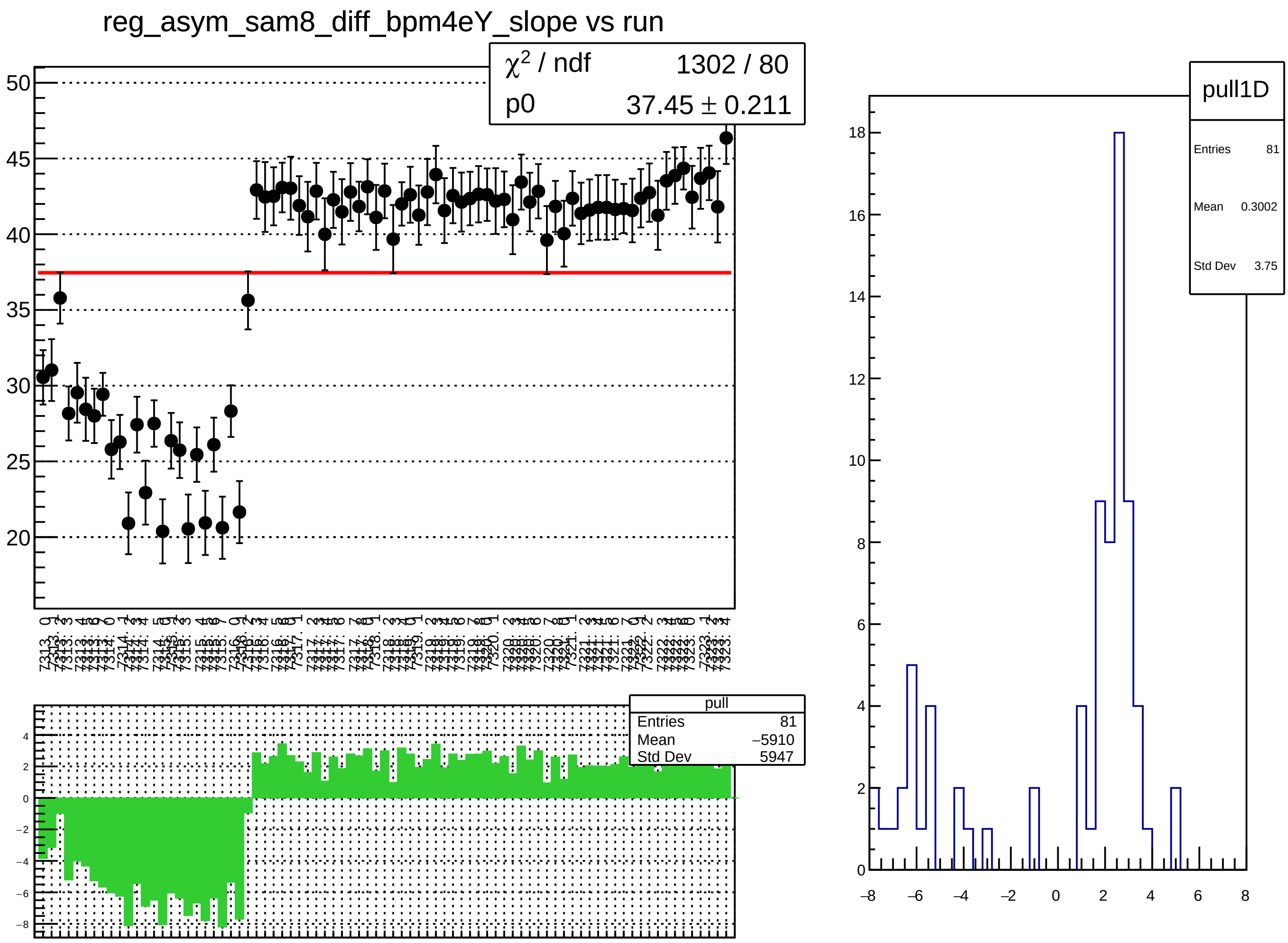
reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 4685 / 80
p0 −2.169 ± 0.236
pull
Entries 81
Mean 195
Std Dev 156.6
pull1D
Entries 81
Mean 4.574
Std Dev 3.07

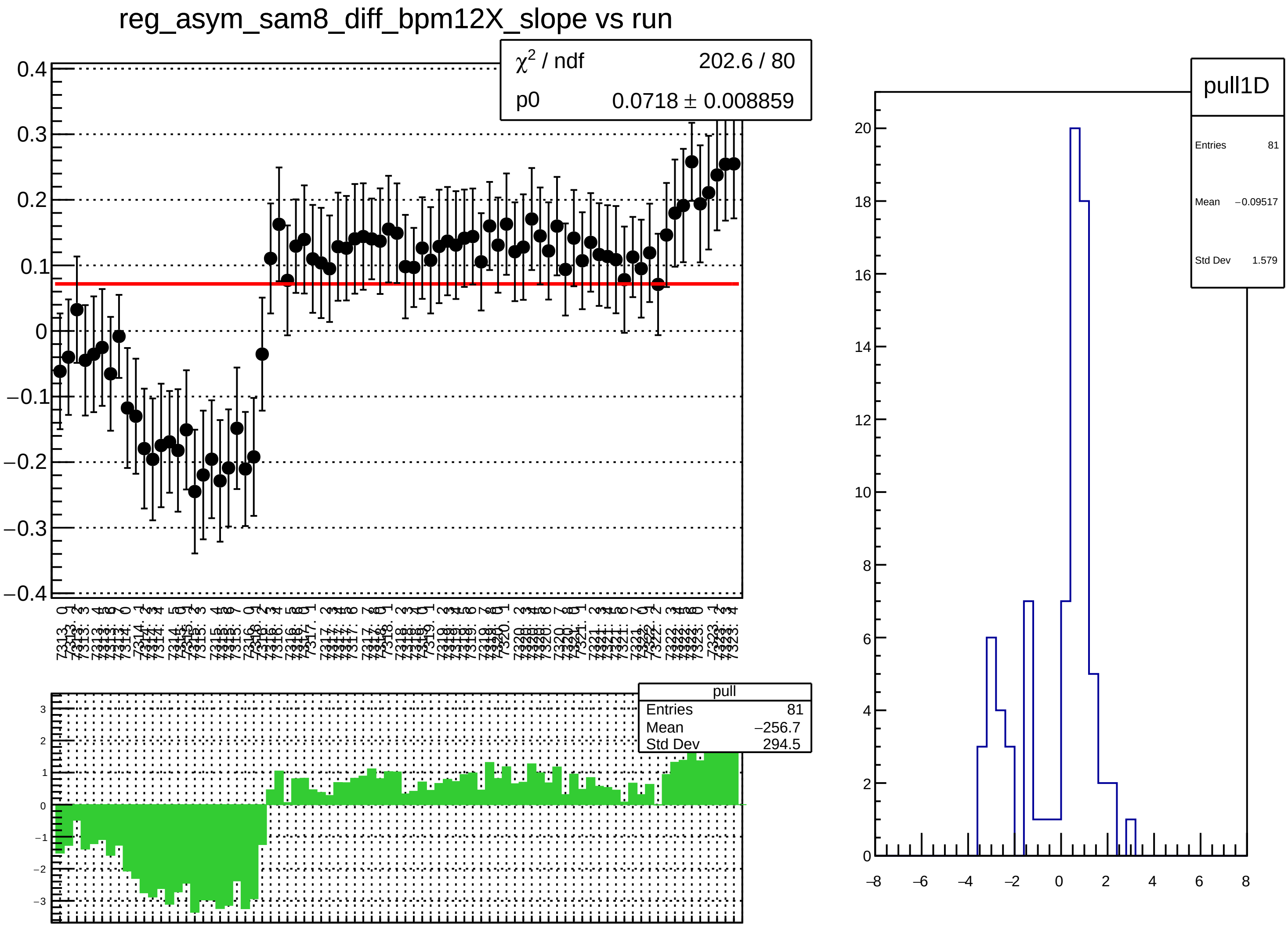


reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 1680 / 80
p0 −33.91 ± 0.1937
−10
−15
−20
−25
−30
−35
−40
−45
pull
Entries 81
Mean −974.8
Std Dev 1011
10
8
6
4
2
0
−2
−4
pull1D
Entries 81
Mean −0.6492
Std Dev 3.905
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

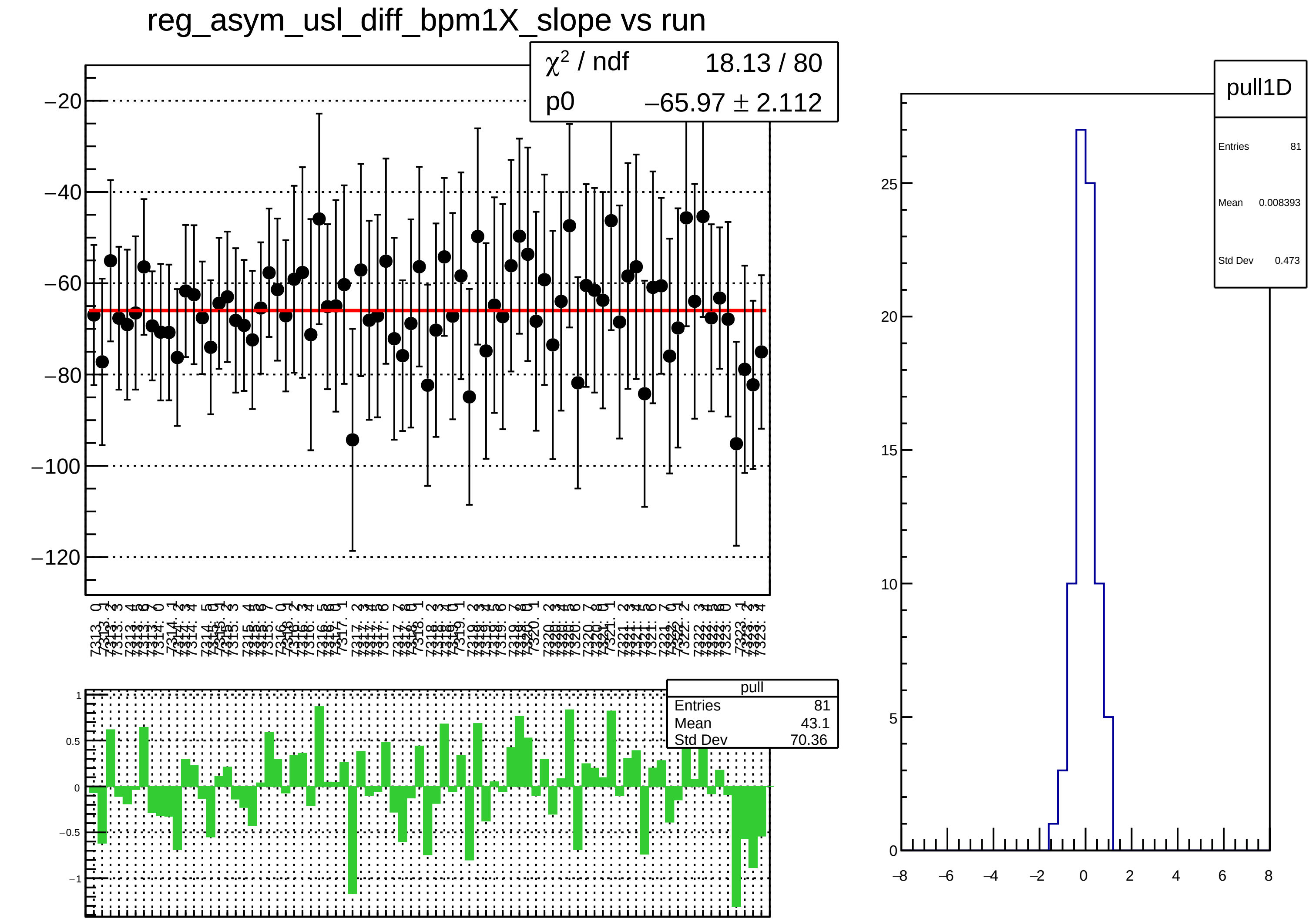


reg_asym_sam8_diff_bpm4eX_slope vs run
χ2 / ndf 4006 / 80
p0 −27.11 ± 0.235
pull
Entries 81
Mean 190.4
Std Dev 152
pull1D
Entries 81
Mean −4.047
Std Dev 3.303

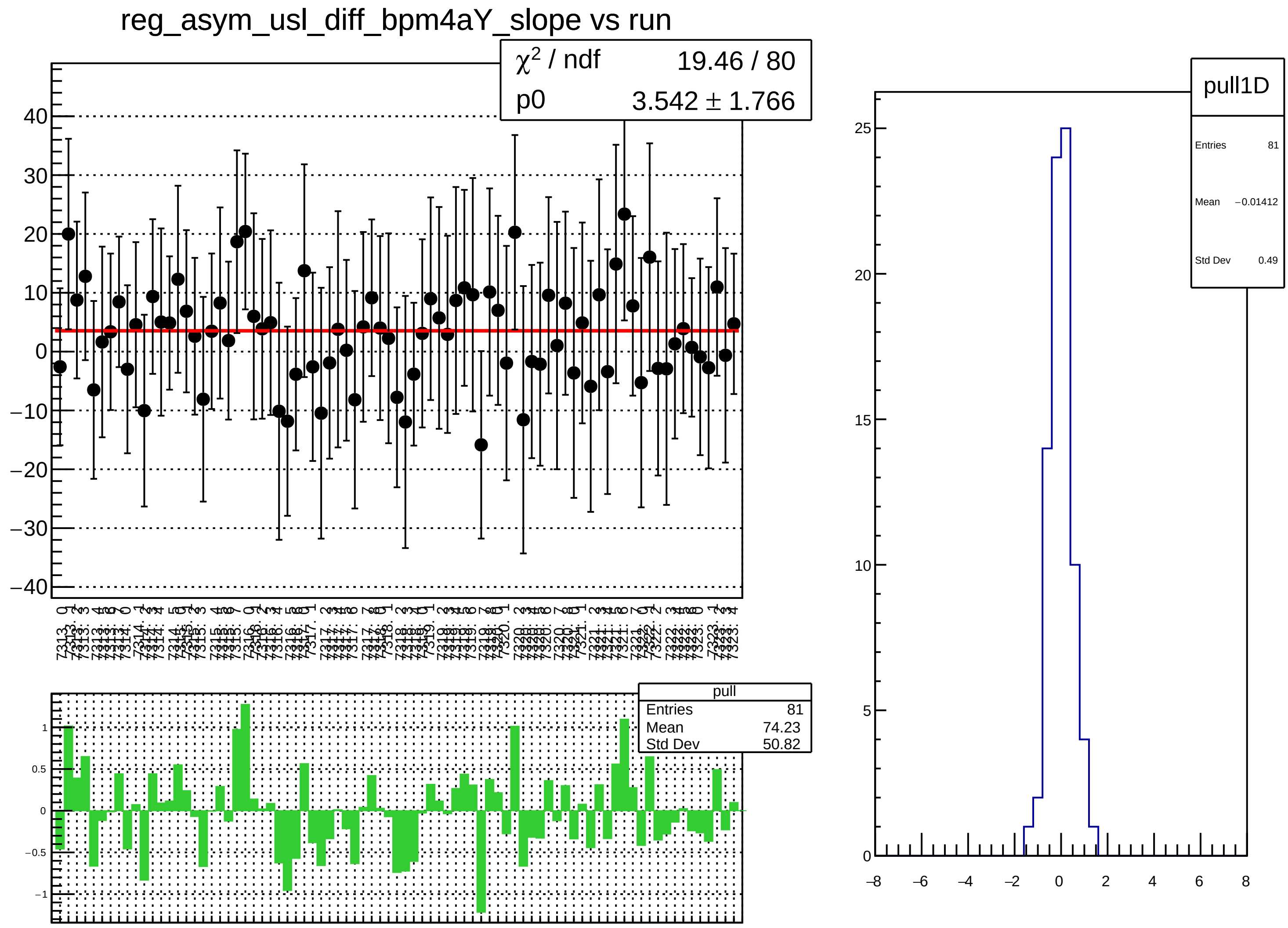

reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 1302 / 80
p0 37.45 ± 0.211
pull
Entries 81
Mean −5910
Std Dev 5947
pull1D
Entries 81
Mean 0.3002
Std Dev 3.75



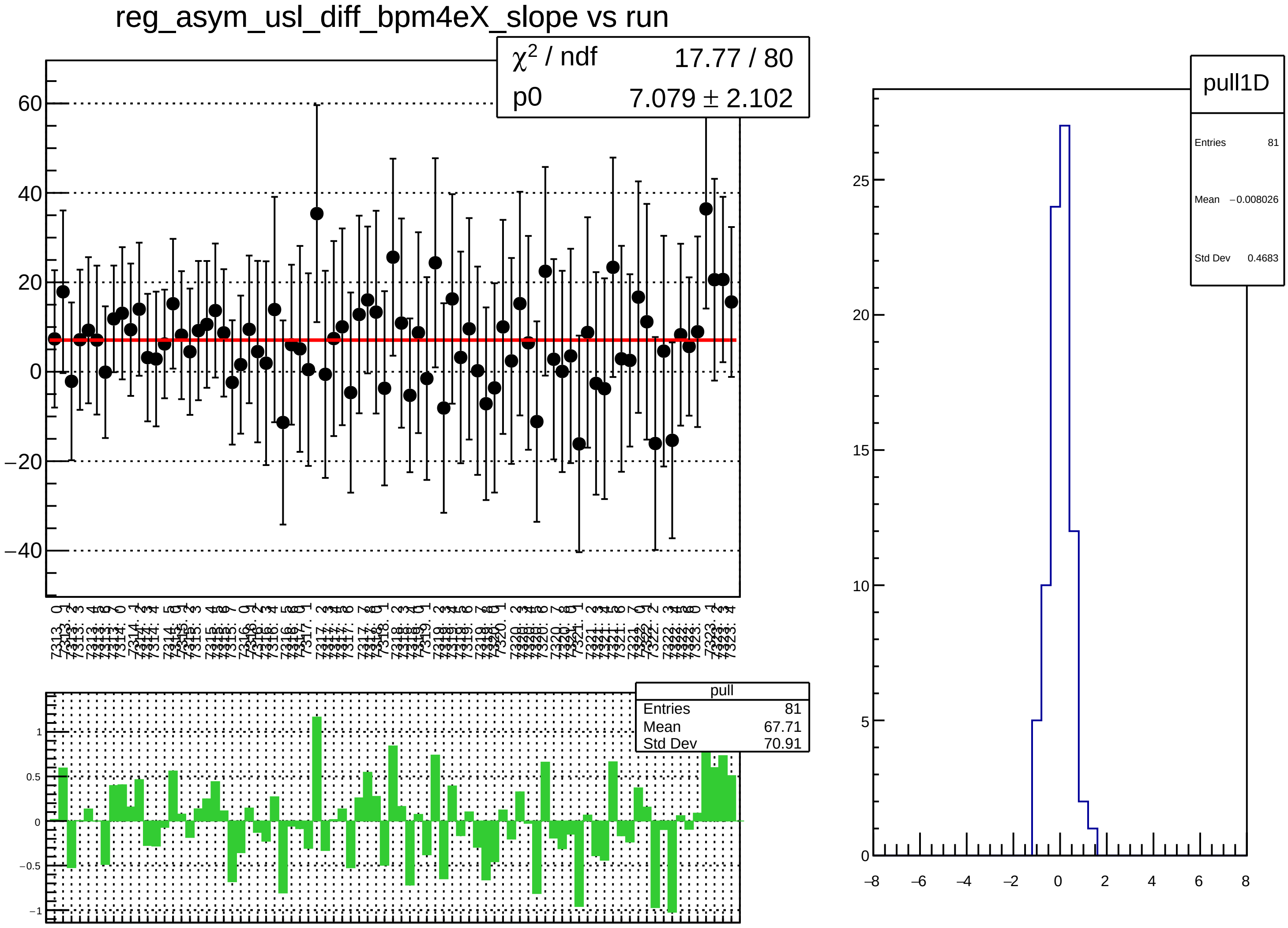
reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 202.6 / 80
p0 0.0718 ± 0.008859
pull
Entries 81
Mean −256.7
Std Dev 294.5
pull1D
Entries 81
Mean −0.09517
Std Dev 1.579

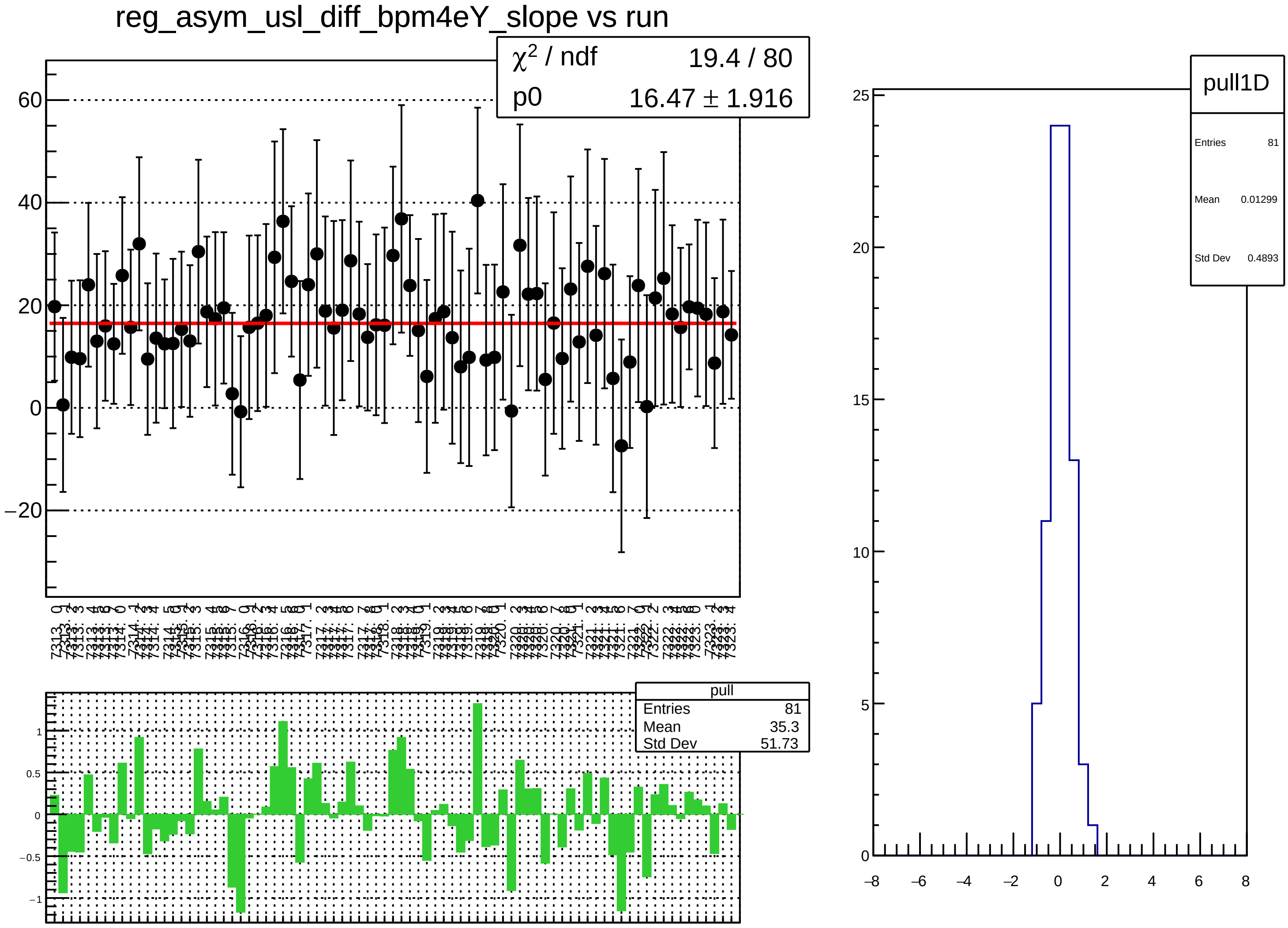


reg_asym_usl_diff_bpm1X_slope vs run
χ2 / ndf 18.13 / 80
p0 −65.97 ± 2.112
−20
−40
−60
−80
−100
−120
pull
Entries 81
Mean 43.1
Std Dev 70.36
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.008393
Std Dev 0.473
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

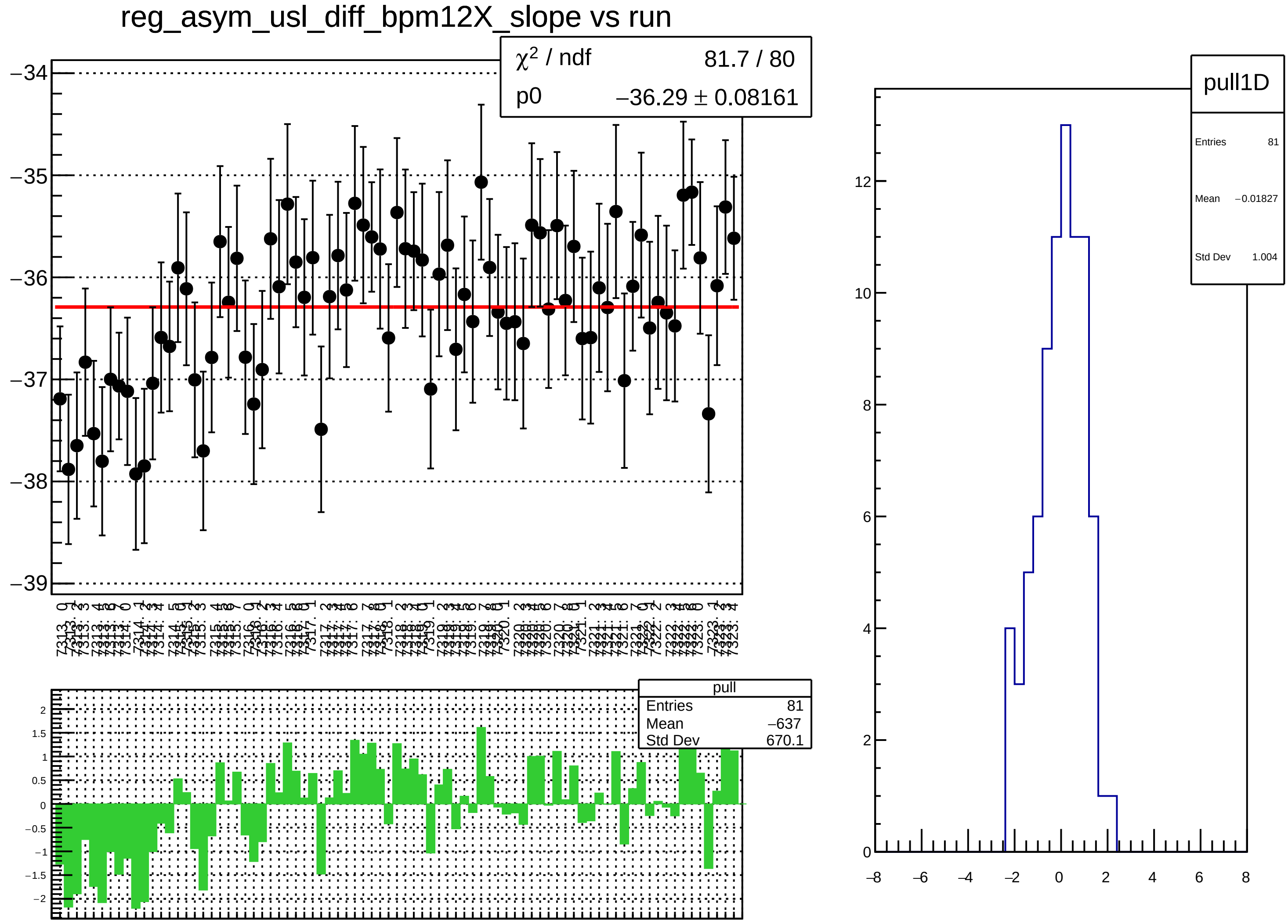


reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 19.46 / 80
p0 3.542 ± 1.766
pull
Entries 81
Mean 74.23
Std Dev 50.82
pull1D
Entries 81
Mean −0.01412
Std Dev 0.49

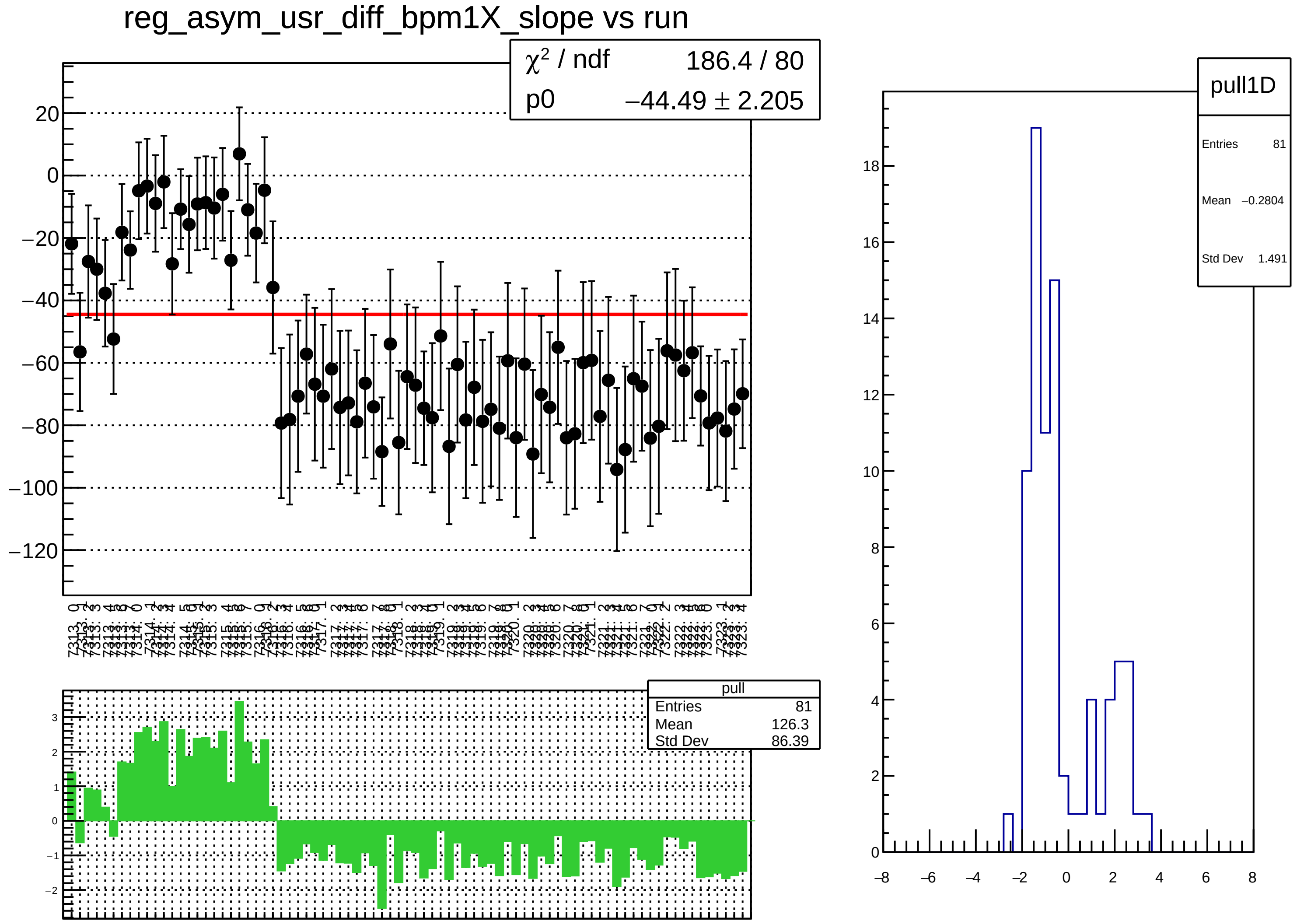

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 17.77 / 80
p0 7.079 ± 2.102
pull
Entries 81
Mean 67.71
Std Dev 70.91
pull1D
Entries 81
Mean −0.008026
Std Dev 0.4683

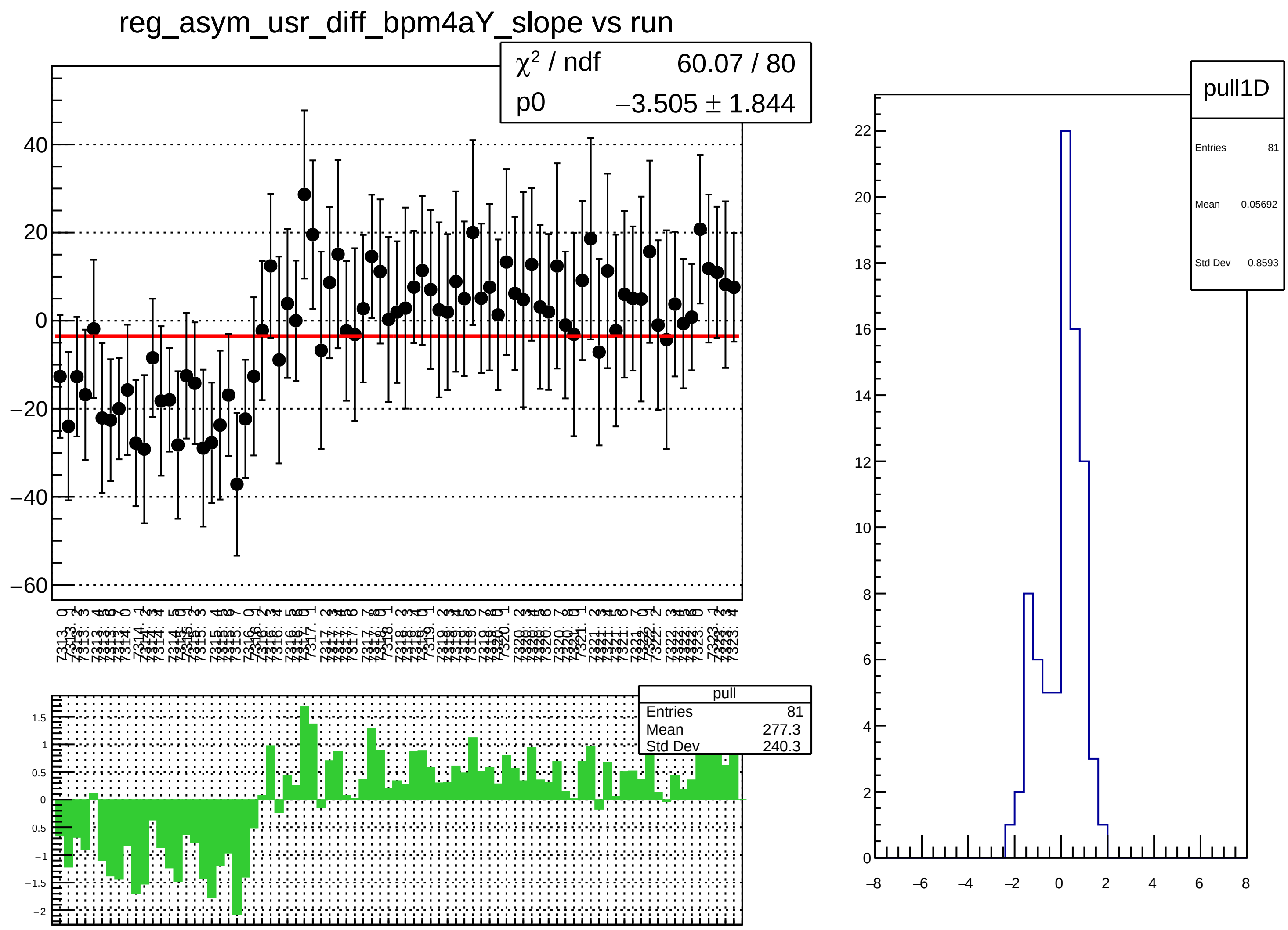


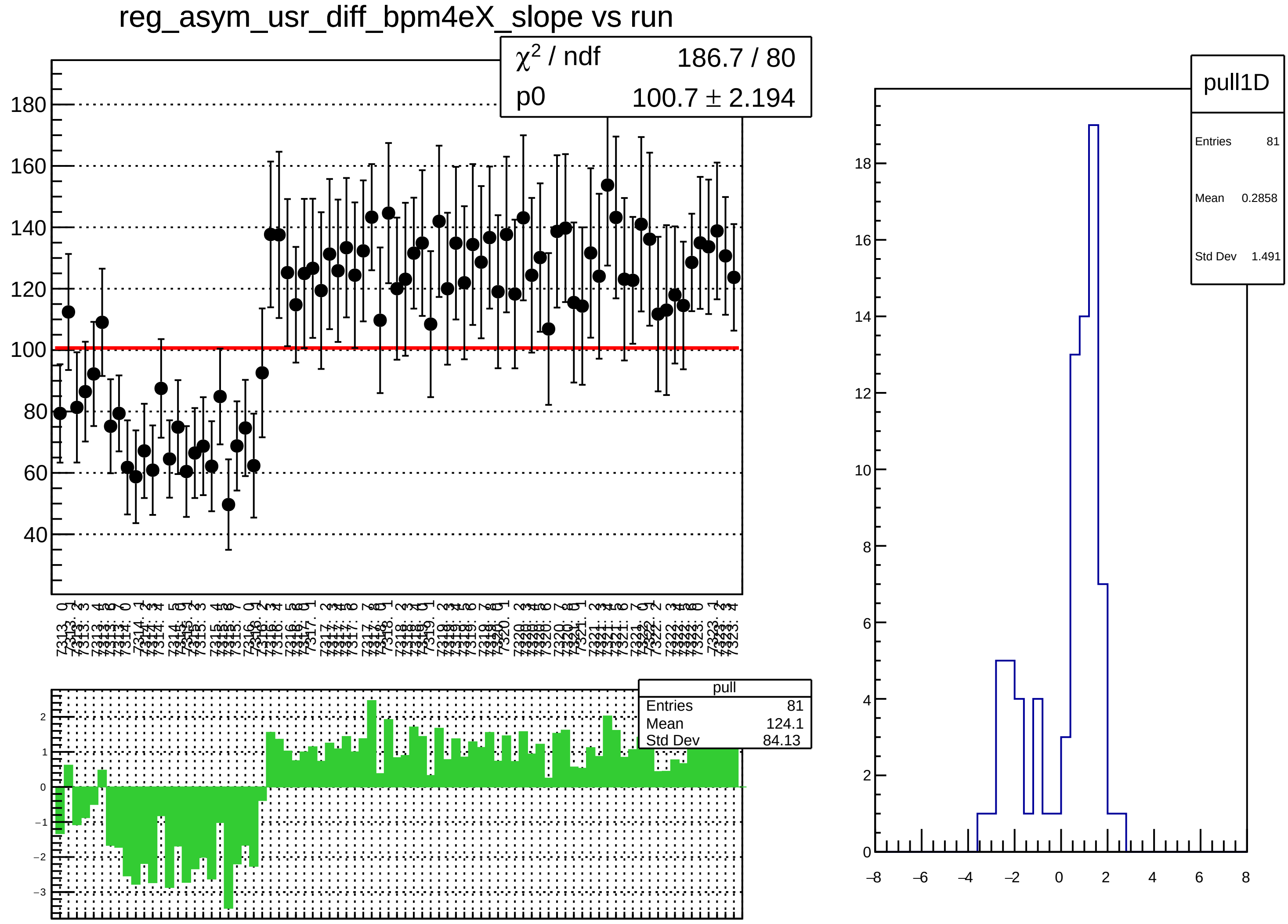
reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 19.4 / 80
p0 16.47 ± 1.916
pull
Entries 81
Mean 35.3
Std Dev 51.73
pull1D
Entries 81
Mean 0.01299
Std Dev 0.4893



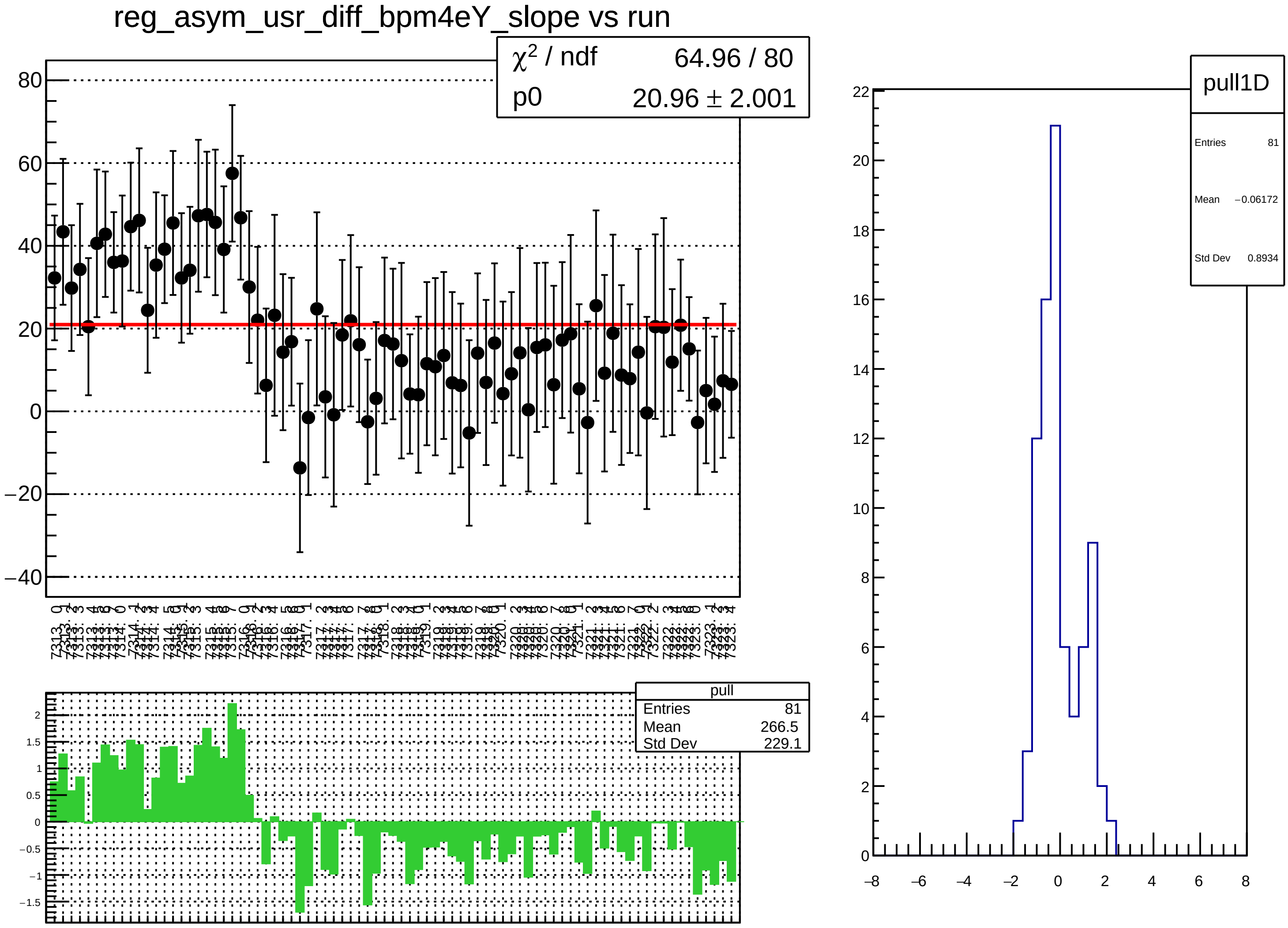
reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 81.7 / 80
p0 −36.29 ± 0.08161
pull
Entries 81
Mean −637
Std Dev 670.1
pull1D
Entries 81
Mean −0.01827
Std Dev 1.004


reg_asym_usr_diff_bpm1X_slope vs run
χ2 / ndf 186.4 / 80
p0 −44.49 ± 2.205
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 81
Mean 126.3
Std Dev 86.39
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.2804
Std Dev 1.491
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

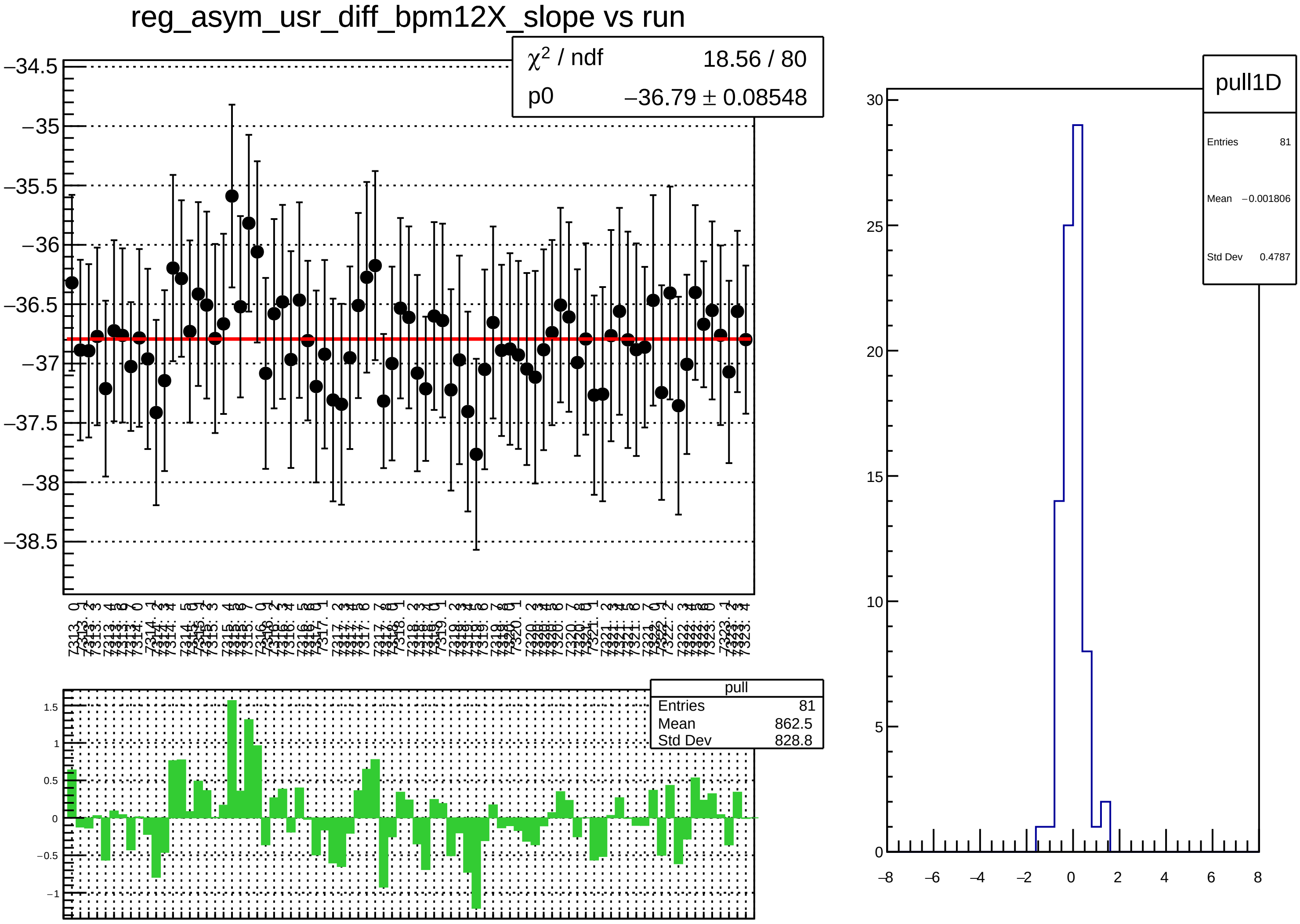

reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 60.07 / 80
p0 −3.505 ± 1.844
40
20
0
−20
−40
−60
pull
Entries 81
Mean 277.3
Std Dev 240.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.05692
Std Dev 0.8593
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



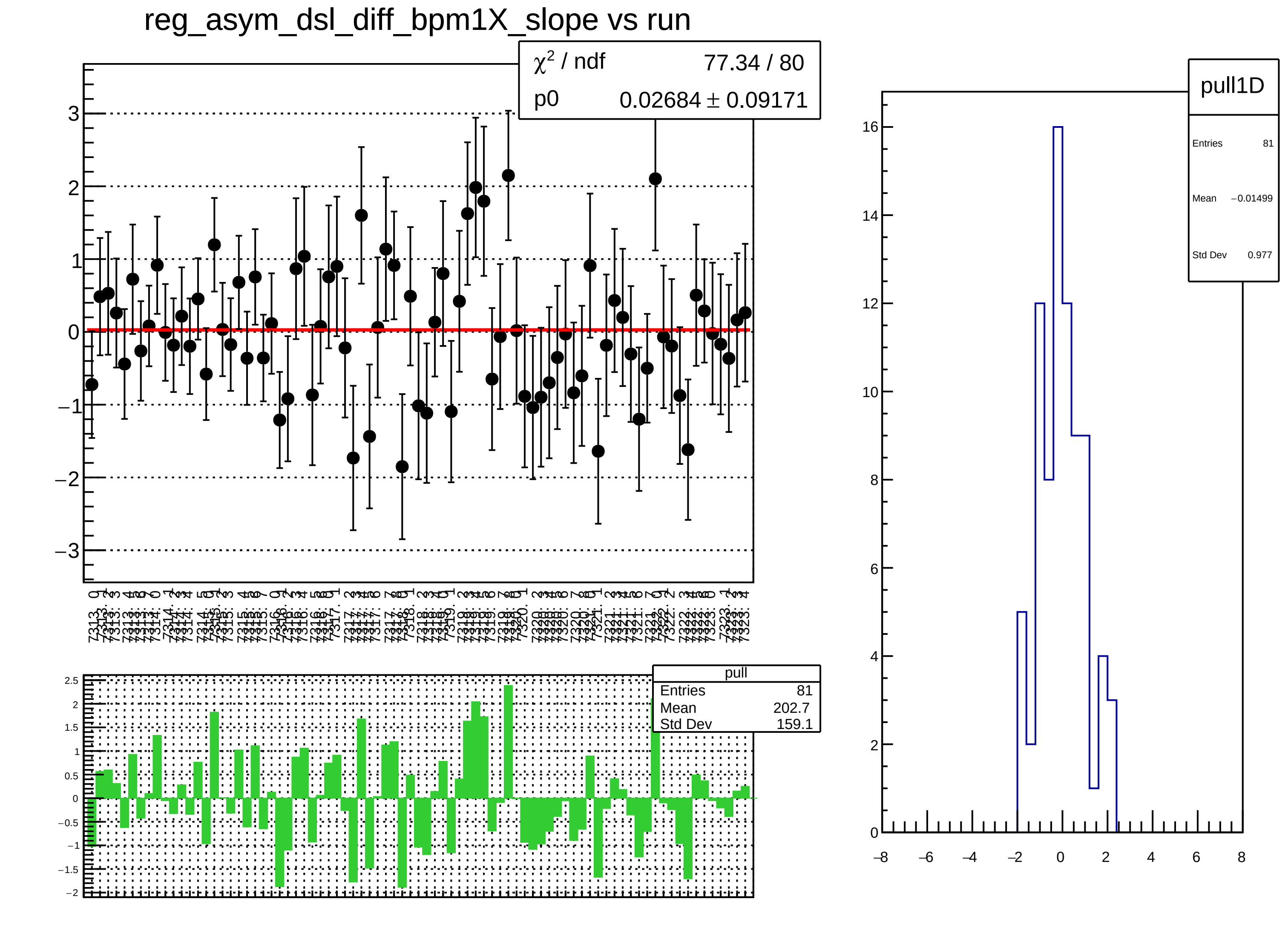
reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 186.7 / 80
p0 100.7 ± 2.194
pull
Entries 81
Mean 124.1
Std Dev 84.13
pull1D
Entries 81
Mean 0.2858
Std Dev 1.491



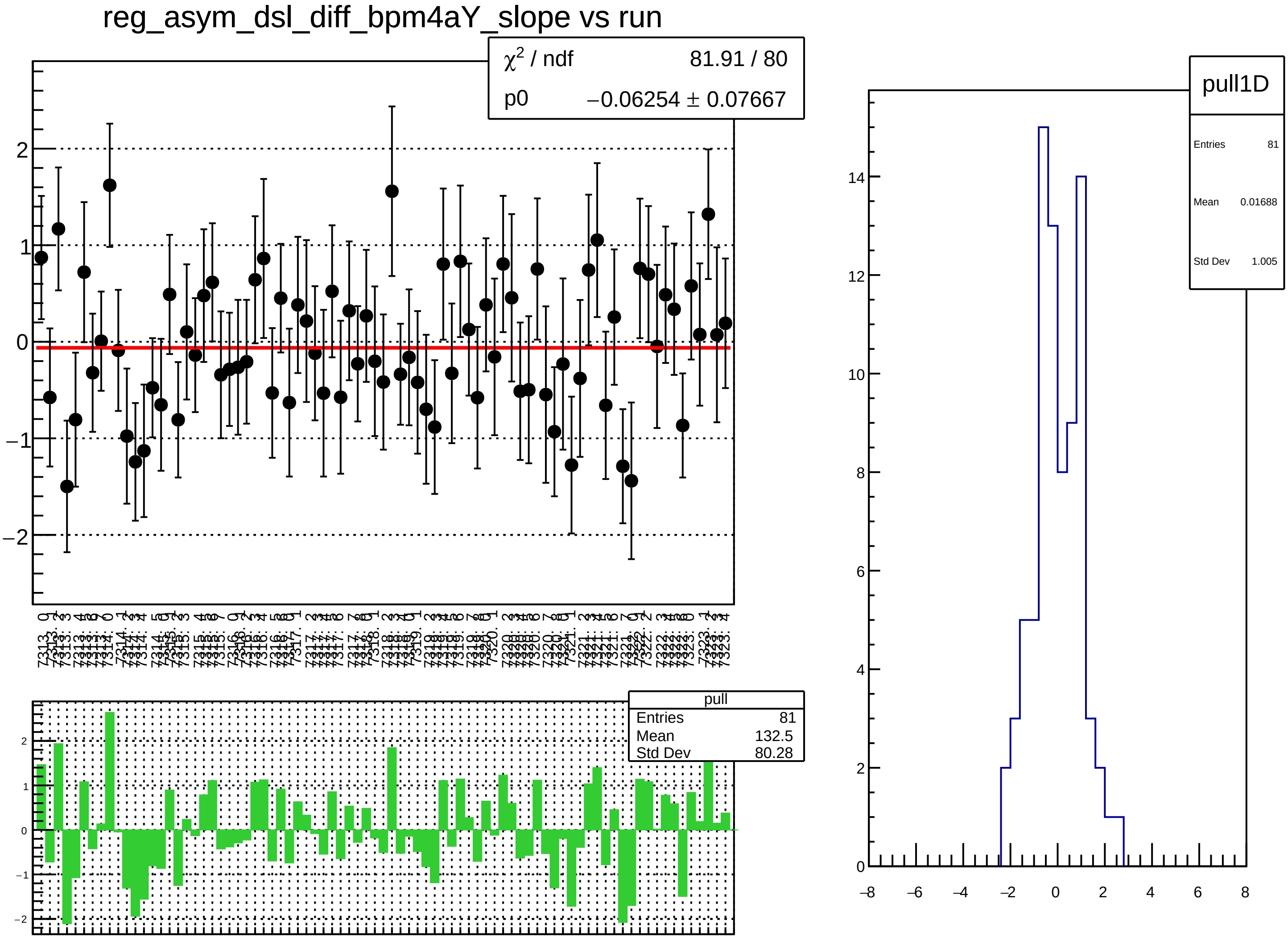
reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 64.96 / 80
p0 20.96 ± 2.001
pull
Entries 81
Mean 266.5
Std Dev 229.1
pull1D
Entries 81
Mean −0.06172
Std Dev 0.8934

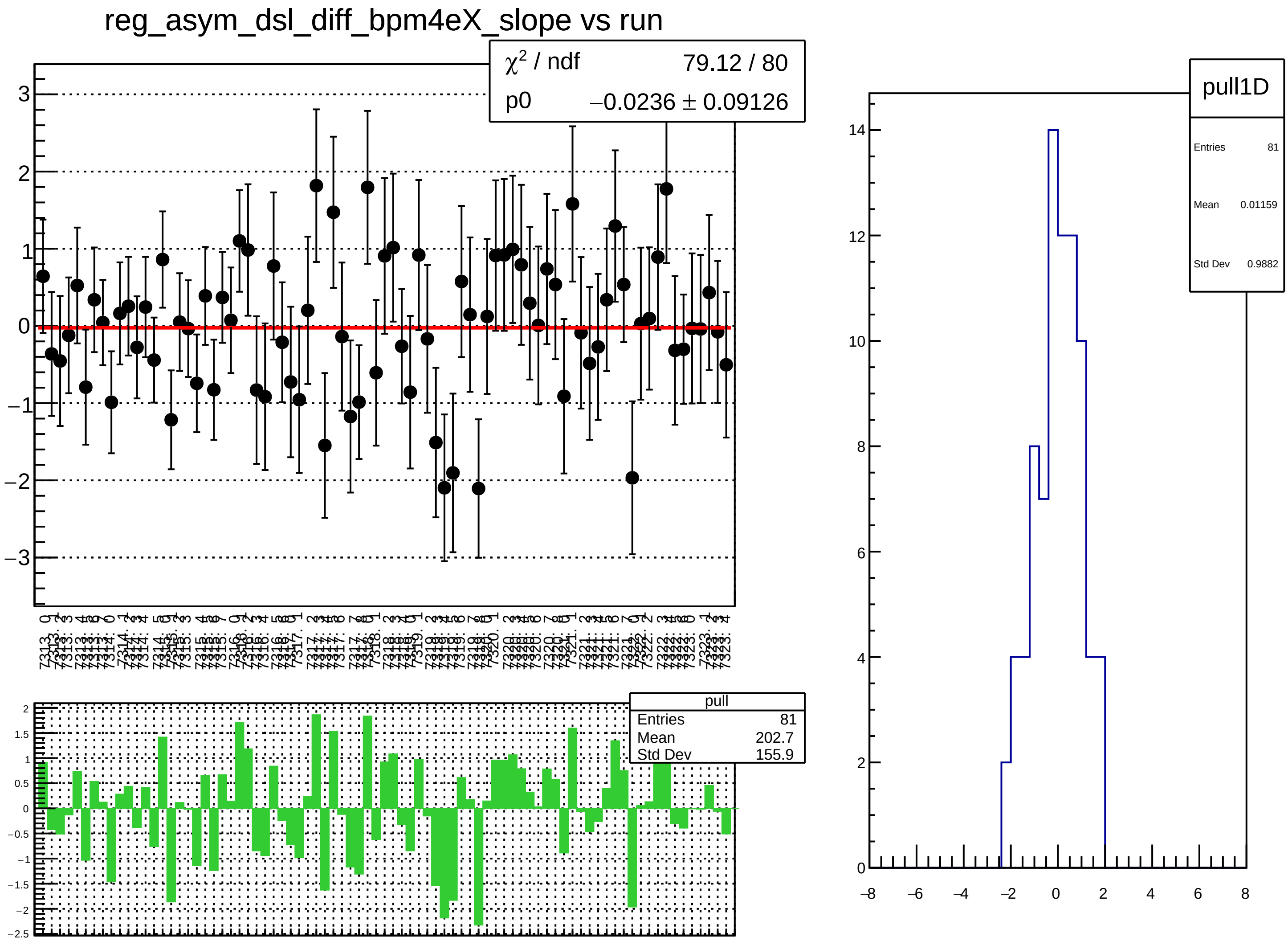


reg_asym_usr_diff_bpm12X_slope vs run
χ2 / ndf 18.56 / 80
p0 −36.79 ± 0.08548
pull
Entries 81
Mean 862.5
Std Dev 828.8
pull1D
Entries 81
Mean −0.001806
Std Dev 0.4787

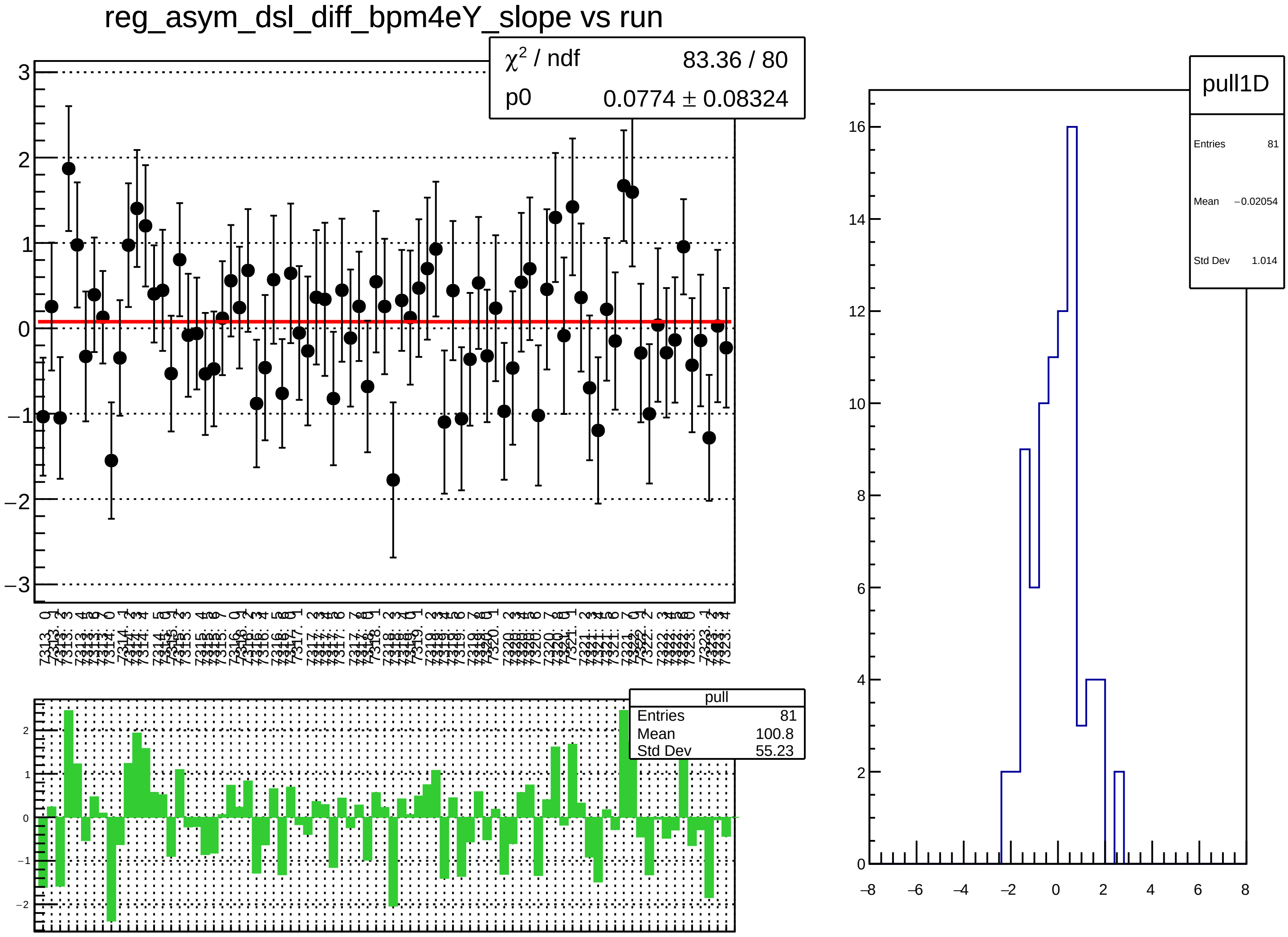


reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 77.34 / 80
p0 0.02684 ± 0.09171
3
2
1
0
−1
−2
−3
pull
Entries 81
Mean 202.7
Std Dev 159.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.01499
Std Dev 0.977
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

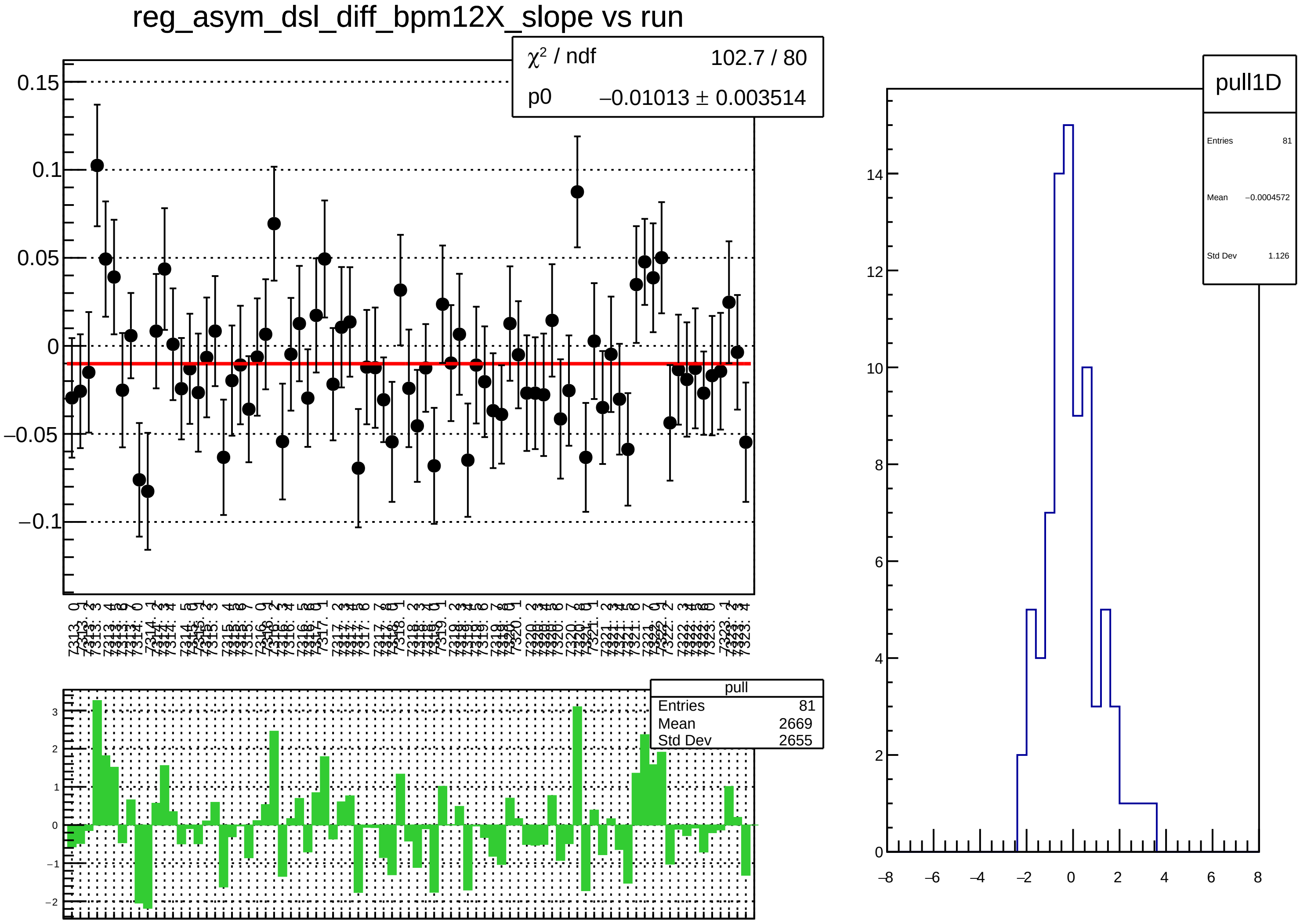

reg_asym_dsl_diff_bpm4aY_slope vs run
χ2 / ndf 81.91 / 80
p0 −0.06254 ± 0.07667
pull
Entries 81
Mean 132.5
Std Dev 80.28
pull1D
Entries 81
Mean 0.01688
Std Dev 1.005



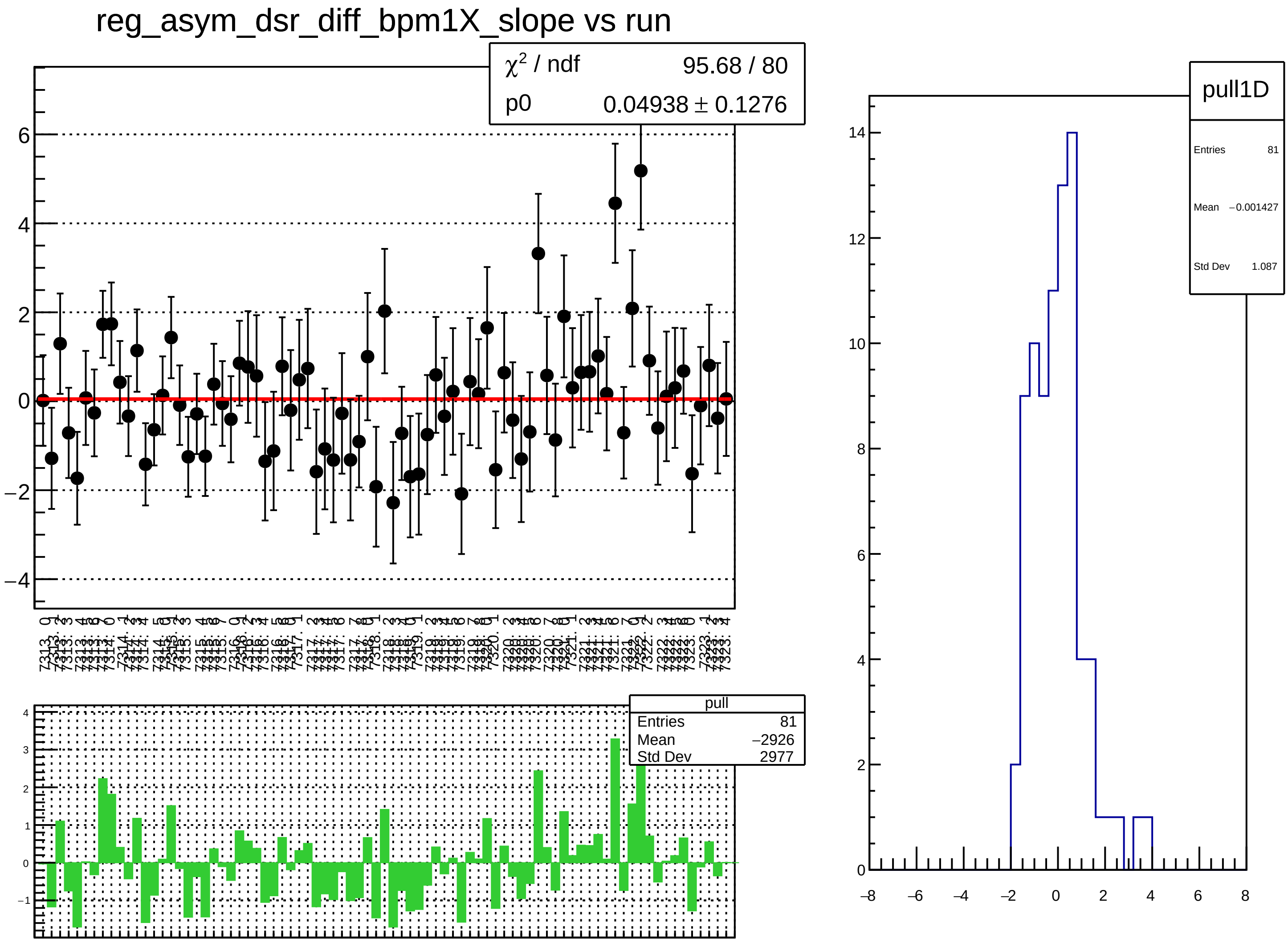
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 79.12 / 80
p0 −0.0236 ± 0.09126
pull
Entries 81
Mean 202.7
Std Dev 155.9
pull1D
Entries 81
Mean 0.01159
Std Dev 0.9882



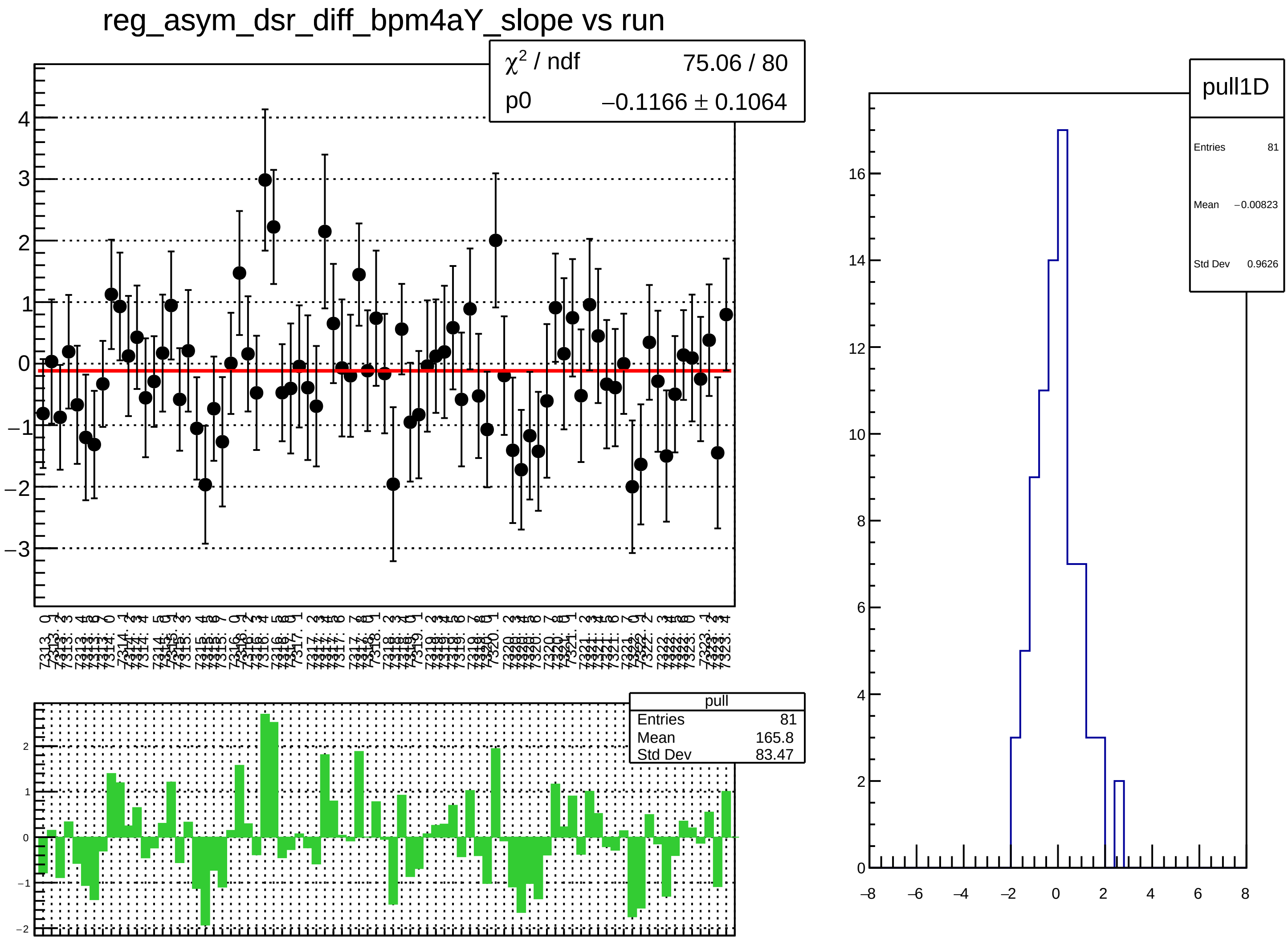
reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 83.36 / 80
p0 0.0774 ± 0.08324
pull
Entries 81
Mean 100.8
Std Dev 55.23
pull1D
Entries 81
Mean −0.02054
Std Dev 1.014

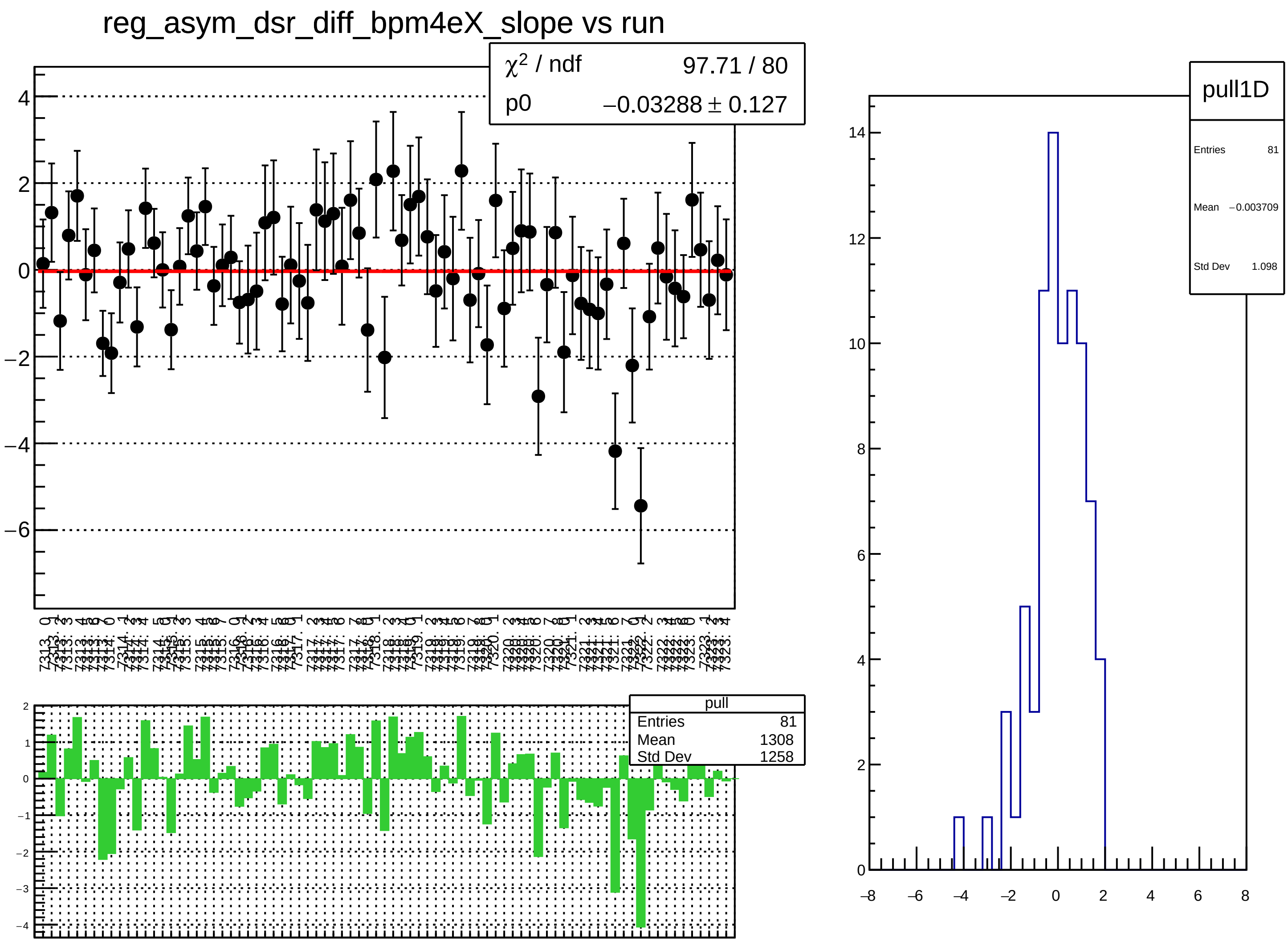


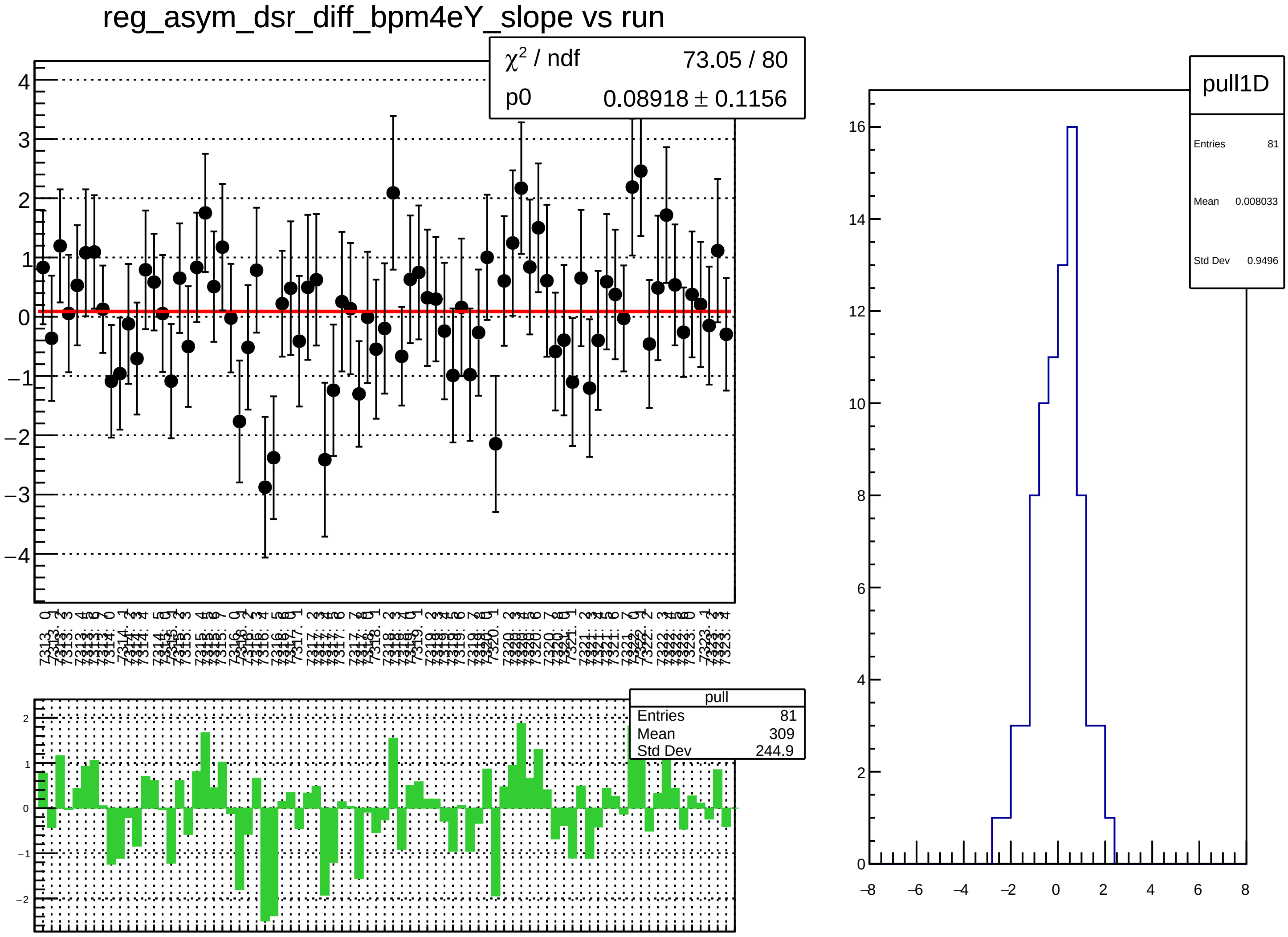
reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 102.7 / 80
p0 −0.01013 ± 0.003514
pull
Entries 81
Mean 2669
Std Dev 2655
pull1D
Entries 81
Mean −0.0004572
Std Dev 1.126

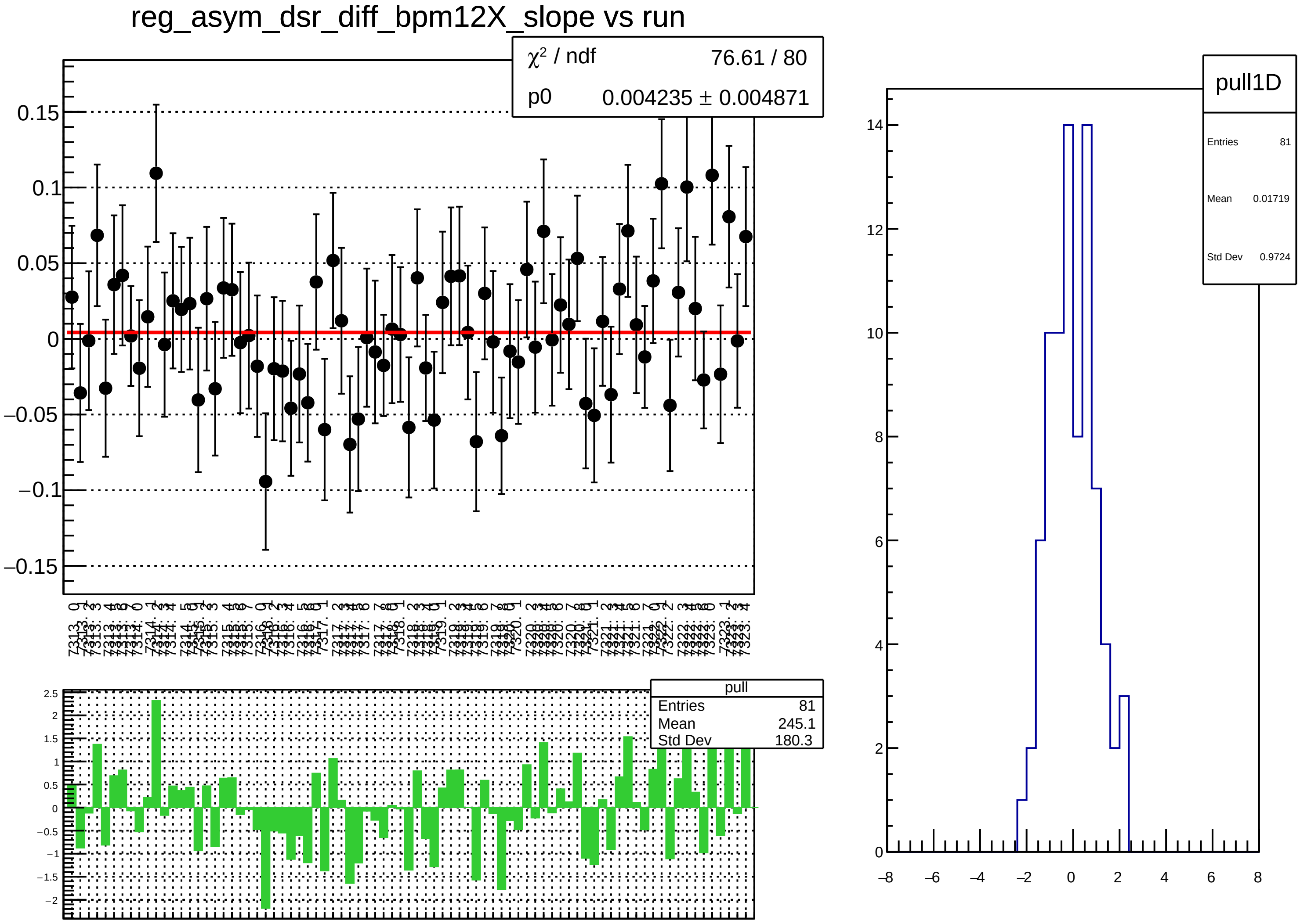


reg_asym_dsr_diff_bpm1X_slope vs run
χ^2 / ndf 95.68 / 80
p0 0.04938 ± 0.1276
pull
Entries 81
Mean −2926
Std Dev 2977
pull1D
Entries 81
Mean −0.001427
Std Dev 1.087

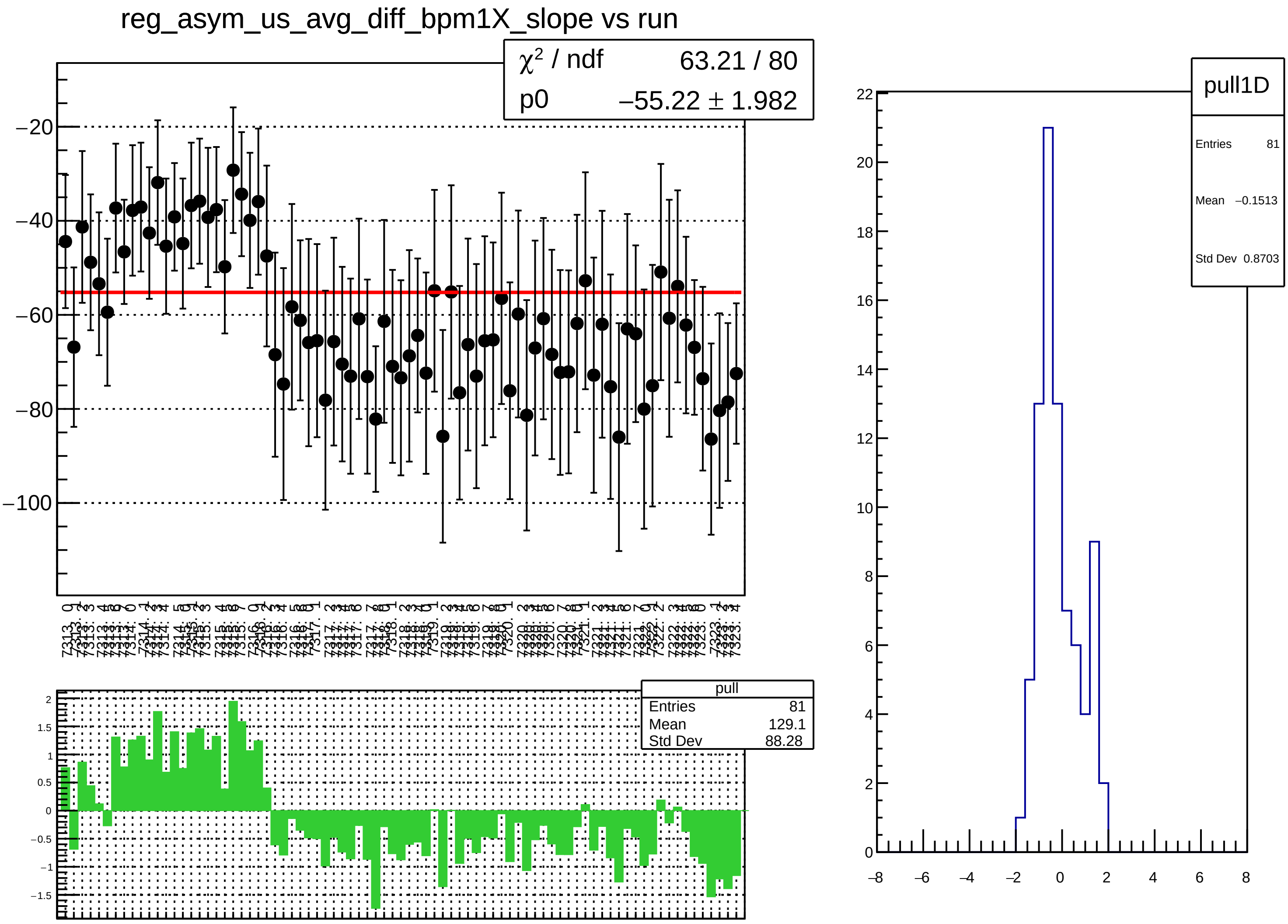

reg_asym_dsr_diff_bpm4aY_slope vs run
χ2 / ndf 75.06 / 80
p0 −0.1166 ± 0.1064
pull
Entries 81
Mean 165.8
Std Dev 83.47
pull1D
Entries 81
Mean −0.00823
Std Dev 0.9626


reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 97.71 / 80
p0 −0.03288 ± 0.127
pull
Entries 81
Mean 1308
Std Dev 1258
pull1D
Entries 81
Mean −0.003709
Std Dev 1.098

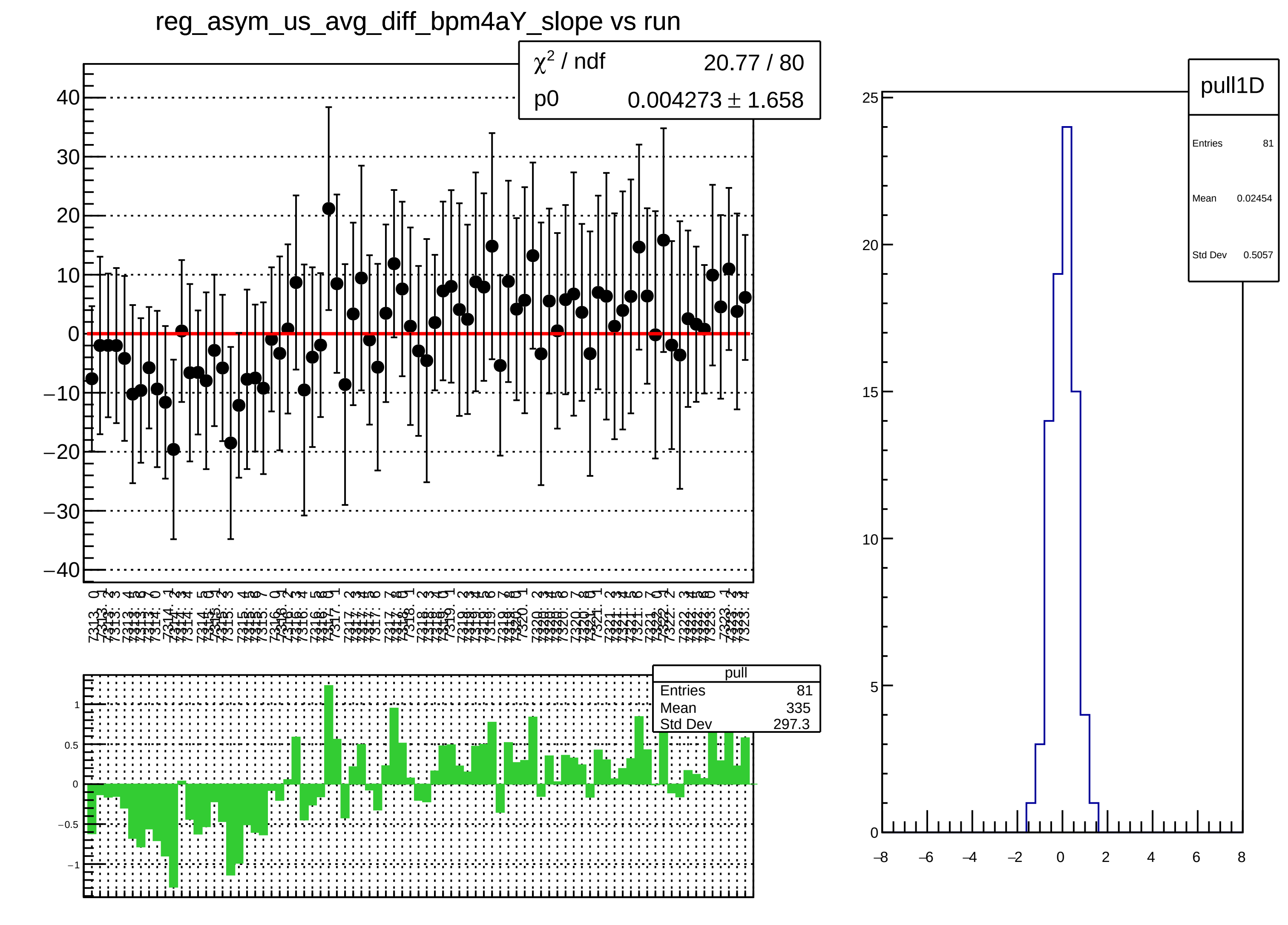

reg_asym_dsr_diff_bpm4eY_slope vs run
χ2 / ndf 73.05 / 80
p0 0.08918 ± 0.1156
pull
Entries 81
Mean 309
Std Dev 244.9
pull1D
Entries 81
Mean 0.008033
Std Dev 0.9496



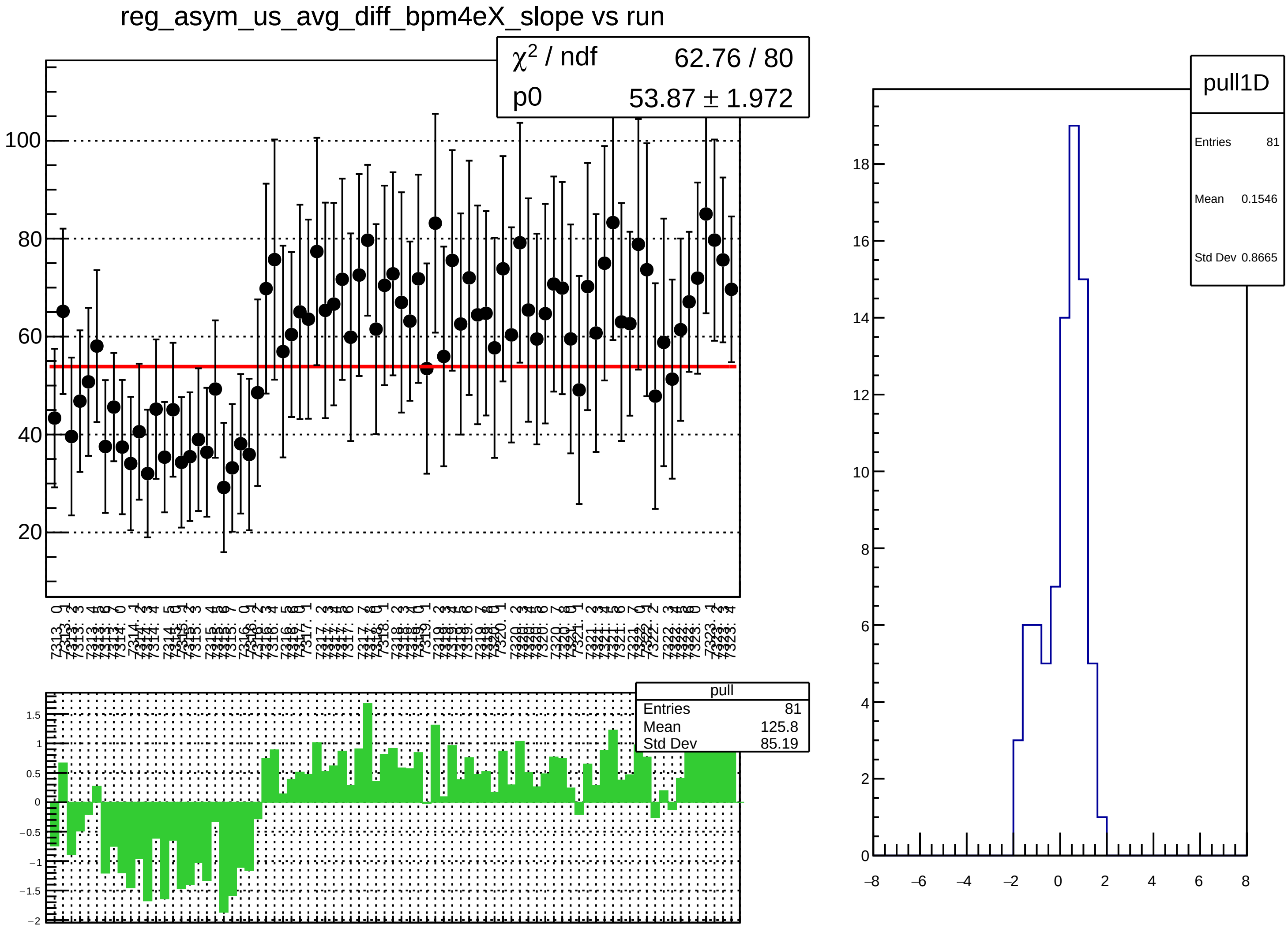
reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 76.61 / 80
p0 0.004235 ± 0.004871
pull
Entries 81
Mean 245.1
Std Dev 180.3
pull1D
Entries 81
Mean 0.01719
Std Dev 0.9724



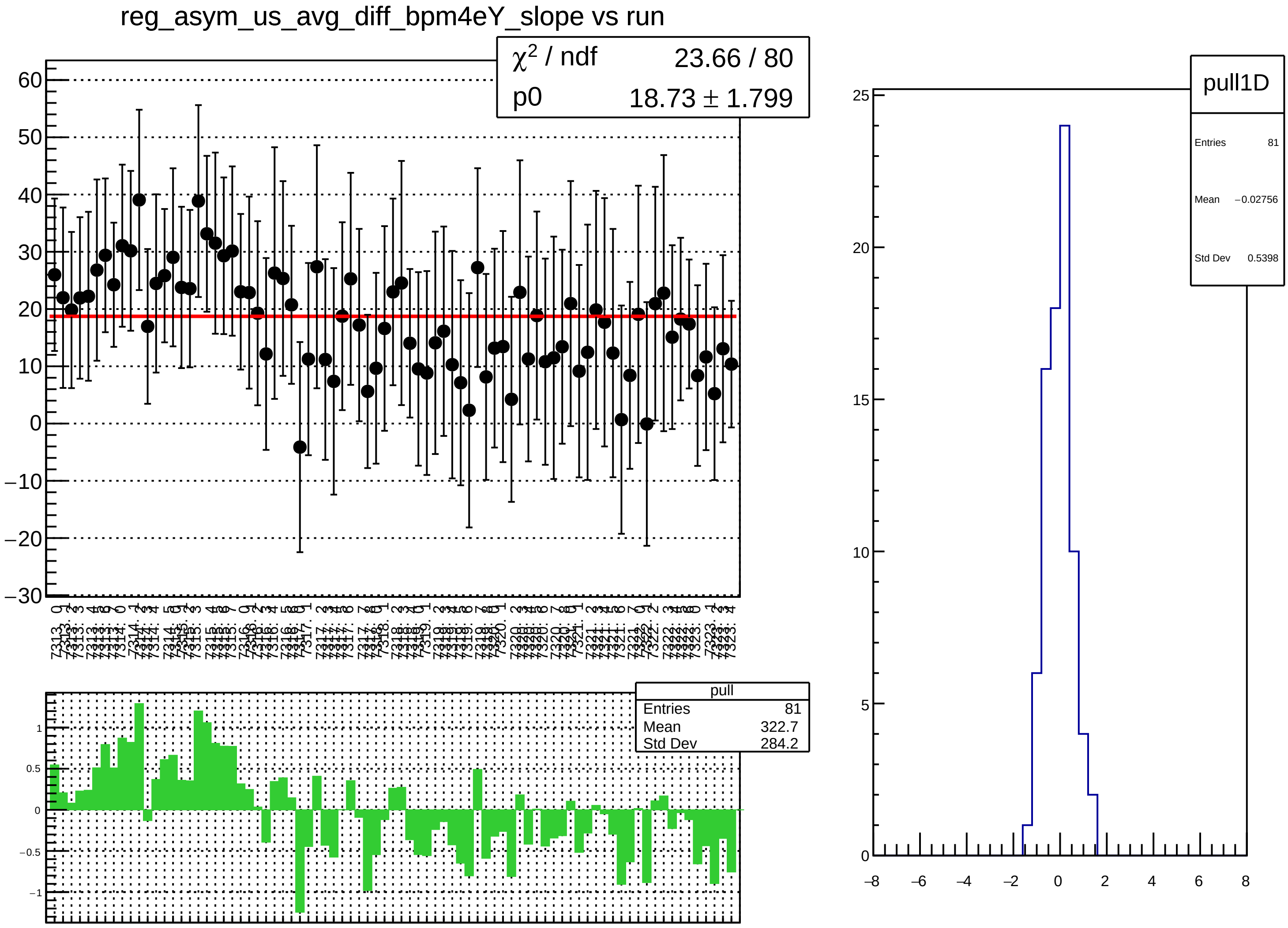
reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 63.21 / 80
p0 −55.22 ± 1.982
pull
Entries 81
Mean 129.1
Std Dev 88.28
pull1D
Entries 81
Mean −0.1513
Std Dev 0.8703

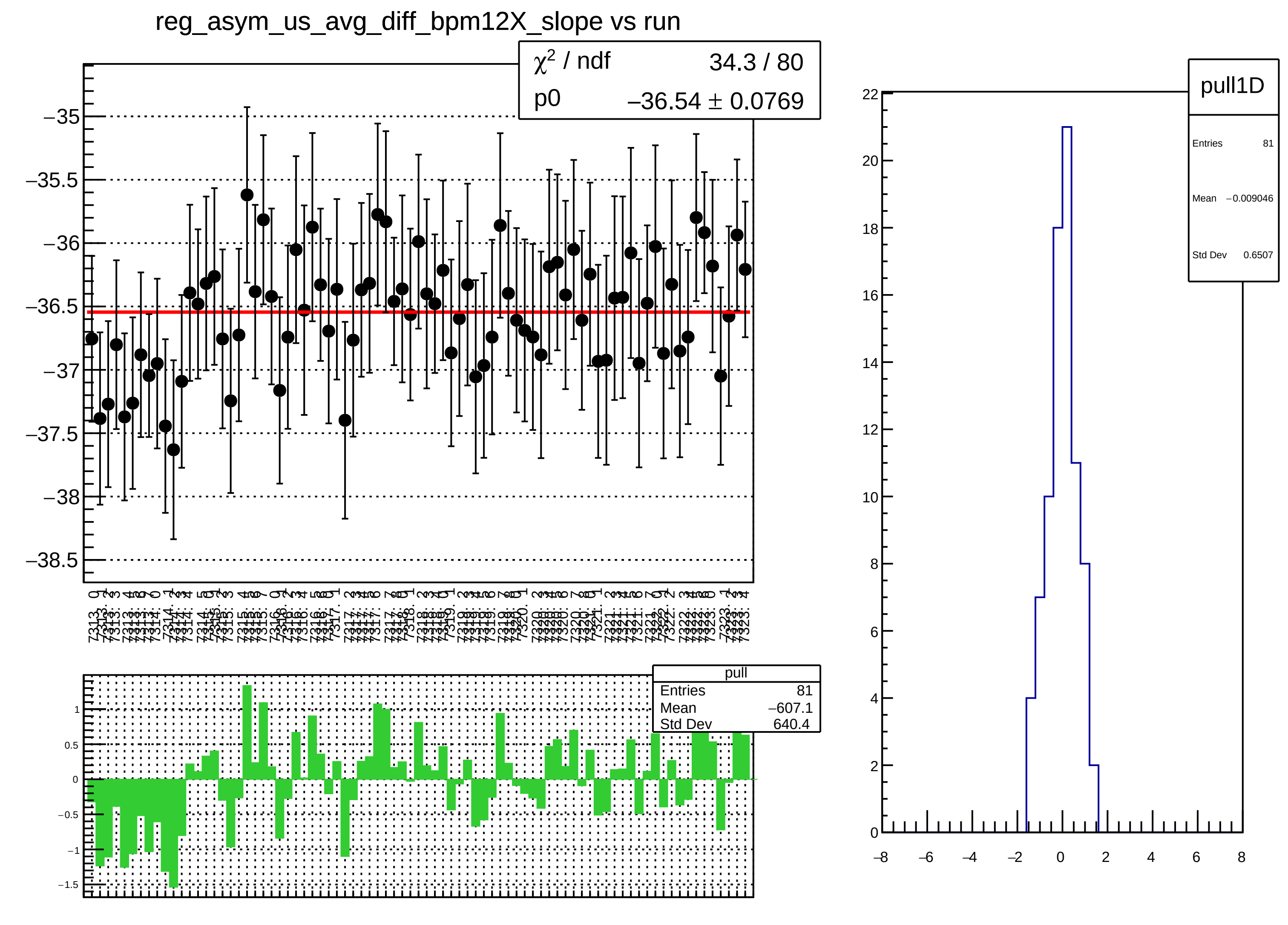


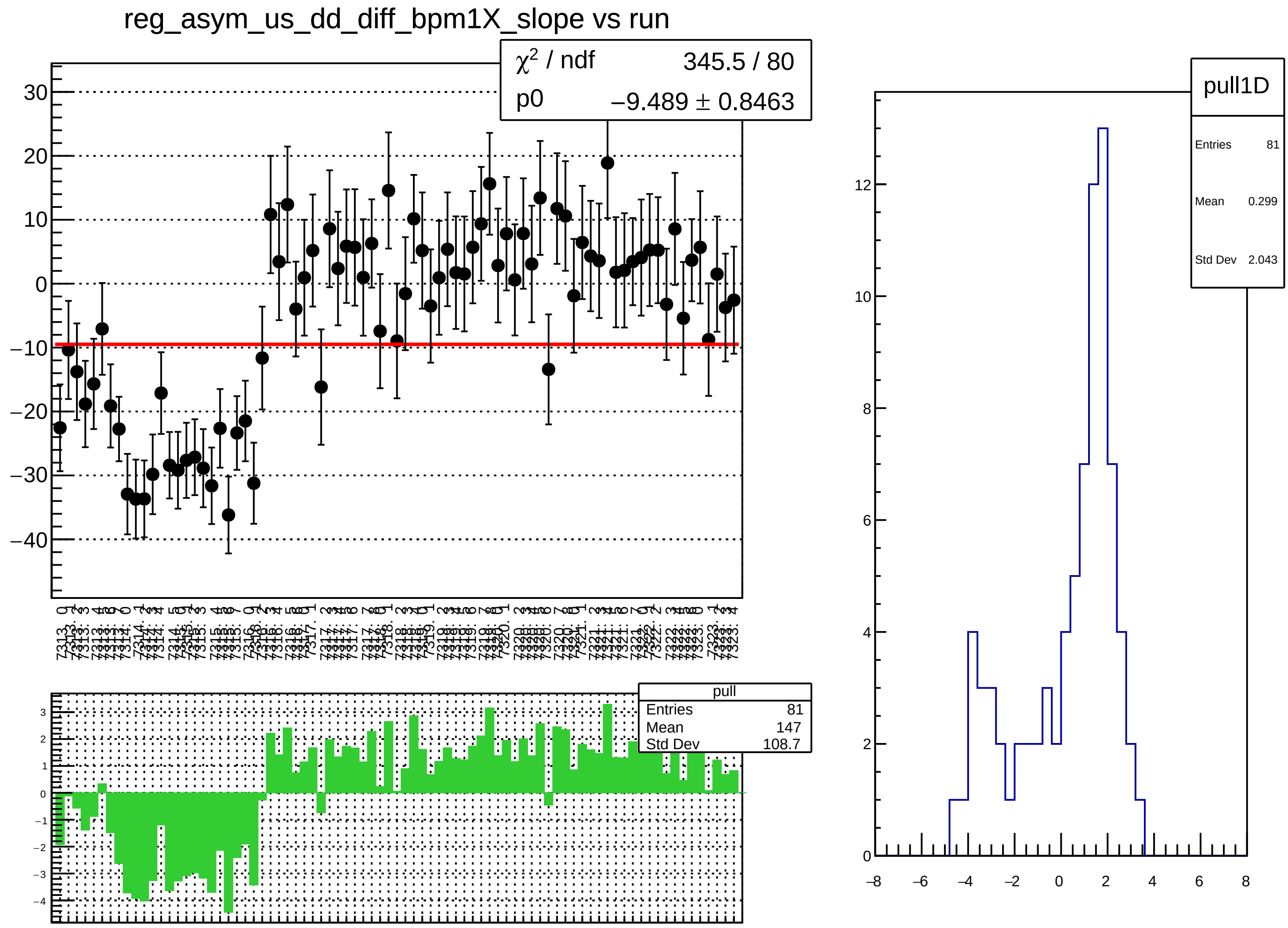
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ2 / ndf 20.77 / 80
p0 0.004273 ± 1.658
pull
Entries 81
Mean 335
Std Dev 297.3
pull1D
Entries 81
Mean 0.02454
Std Dev 0.5057



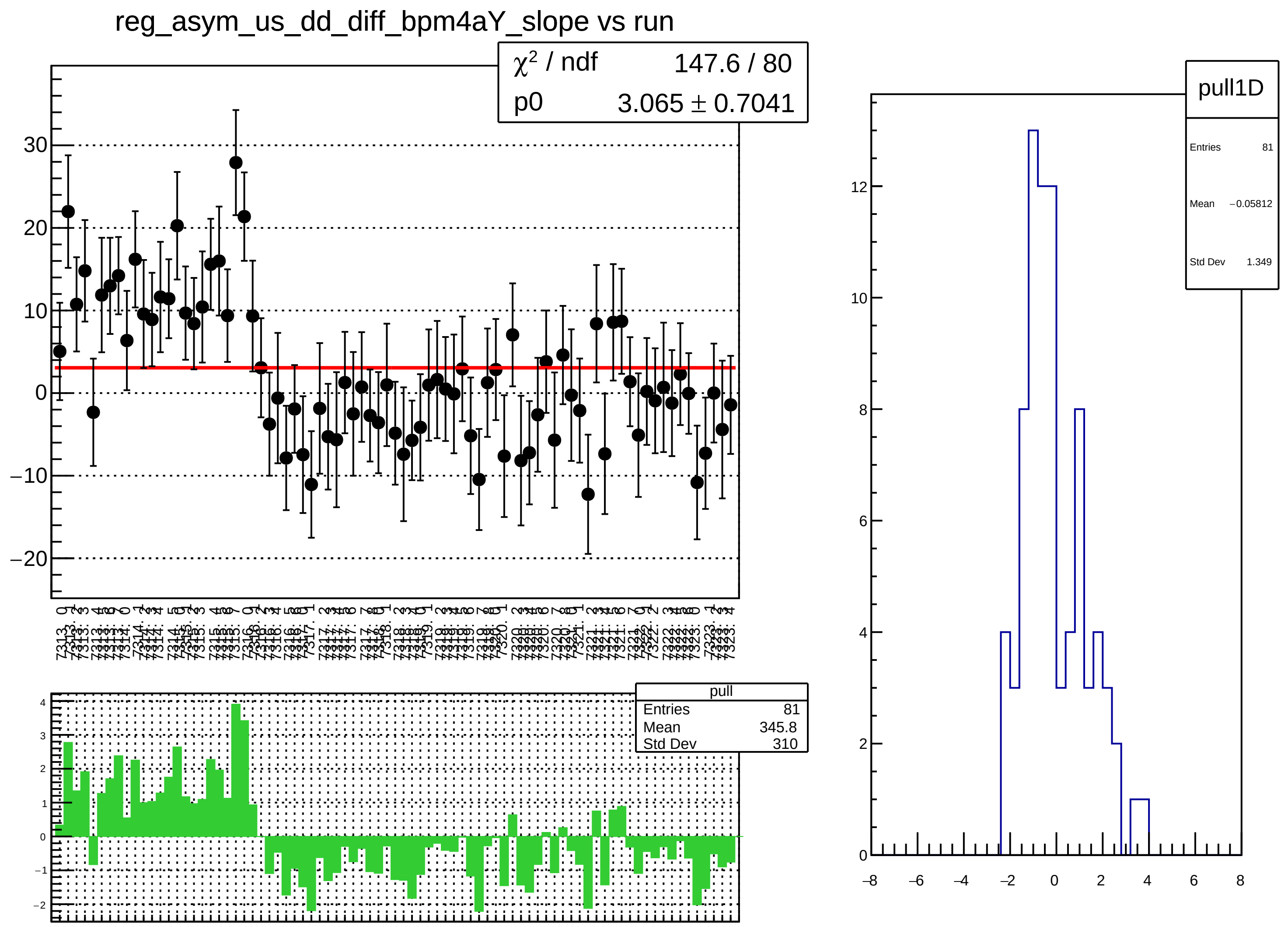
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 62.76 / 80
p0 53.87 ± 1.972
100
80
60
40
20
pull
Entries 81
Mean 125.8
Std Dev 85.19
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.1546
Std Dev 0.8665
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.66 / 80
p0 18.73 ± 1.799
pull
Entries 81
Mean 322.7
Std Dev 284.2
pull1D
Entries 81
Mean −0.02756
Std Dev 0.5398

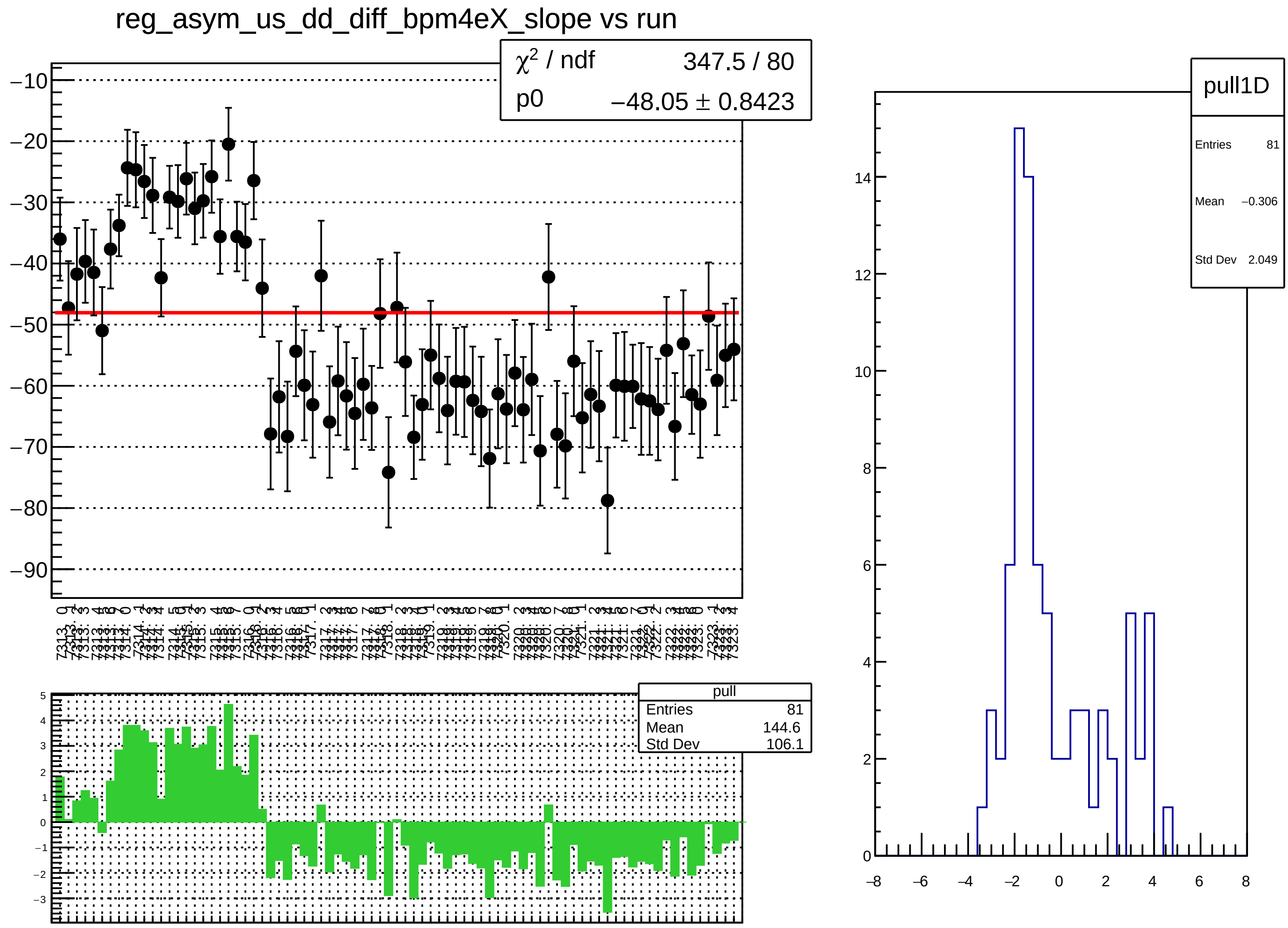

reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 34.3 / 80
p0 −36.54 ± 0.0769
pull
Entries 81
Mean −607.1
Std Dev 640.4
pull1D
Entries 81
Mean −0.009046
Std Dev 0.6507



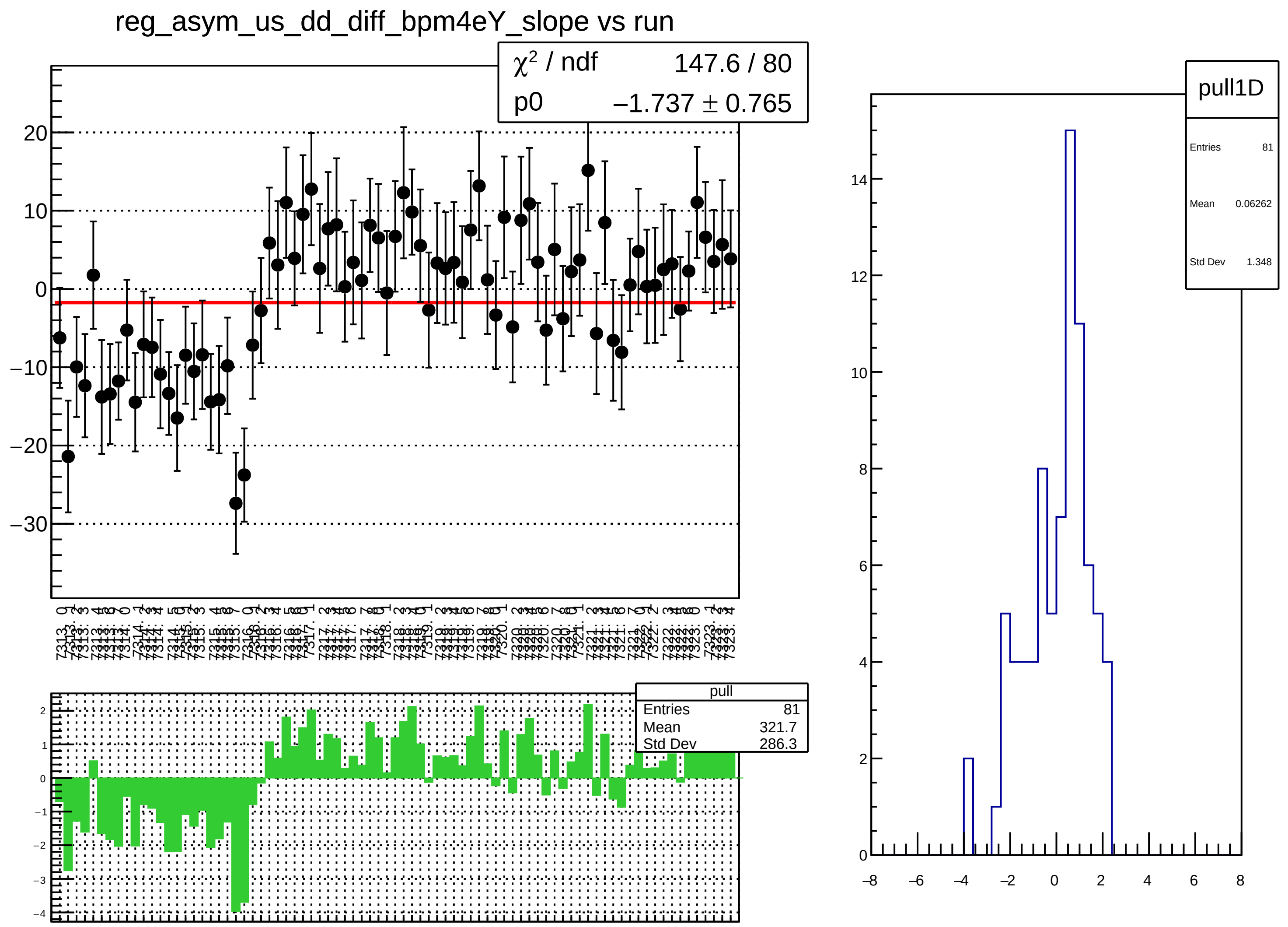
reg_asym_us_dd_diff_bpm1X_slope vs run
χ2 / ndf 345.5 / 80
p0 −9.489 ± 0.8463
pull
Entries 81
Mean 147
Std Dev 108.7
pull1D
Entries 81
Mean 0.299
Std Dev 2.043



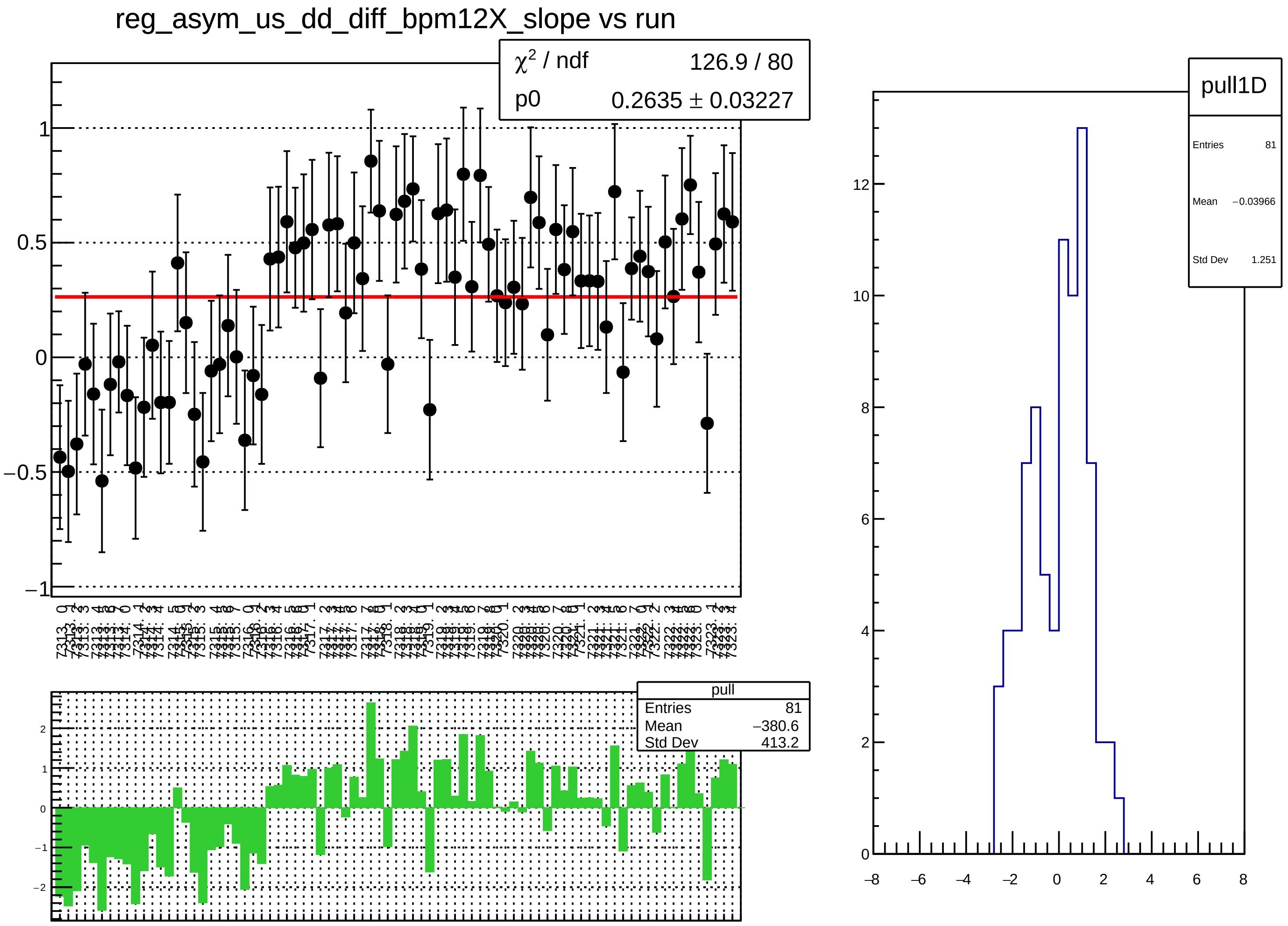
reg_asym_us_dd_diff_bpm4aY_slope vs run
χ2 / ndf 147.6 / 80
p0 3.065 ± 0.7041
pull
Entries 81
Mean 345.8
Std Dev 310
pull1D
Entries 81
Mean −0.05812
Std Dev 1.349



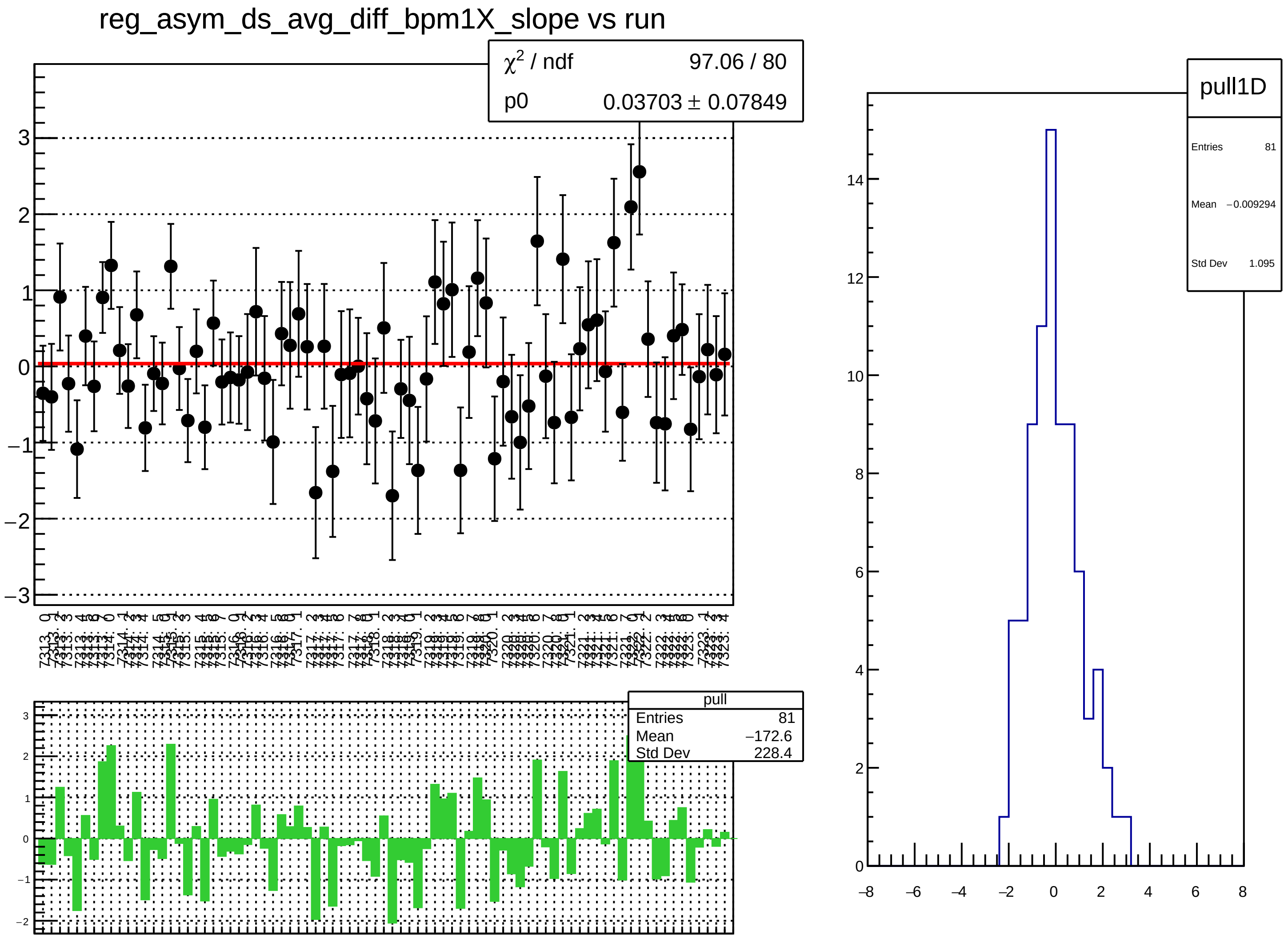
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ2 / ndf 347.5 / 80
p0 −48.05 ± 0.8423
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull
Entries 81
Mean 144.6
Std Dev 106.1
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.306
Std Dev 2.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



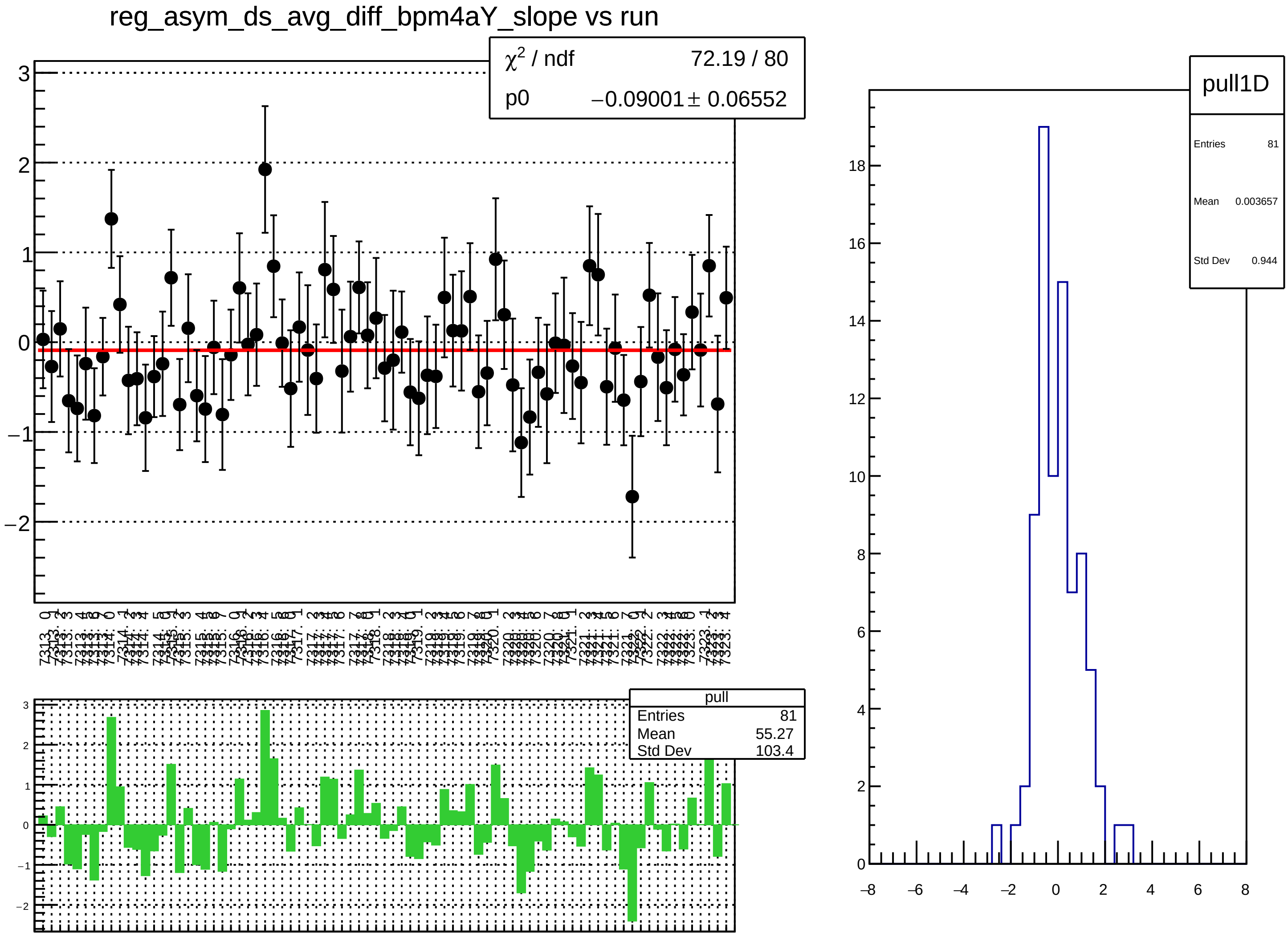
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ2 / ndf 147.6 / 80
p0 −1.737 ± 0.765
pull
Entries 81
Mean 321.7
Std Dev 286.3
pull1D
Entries 81
Mean 0.06262
Std Dev 1.348



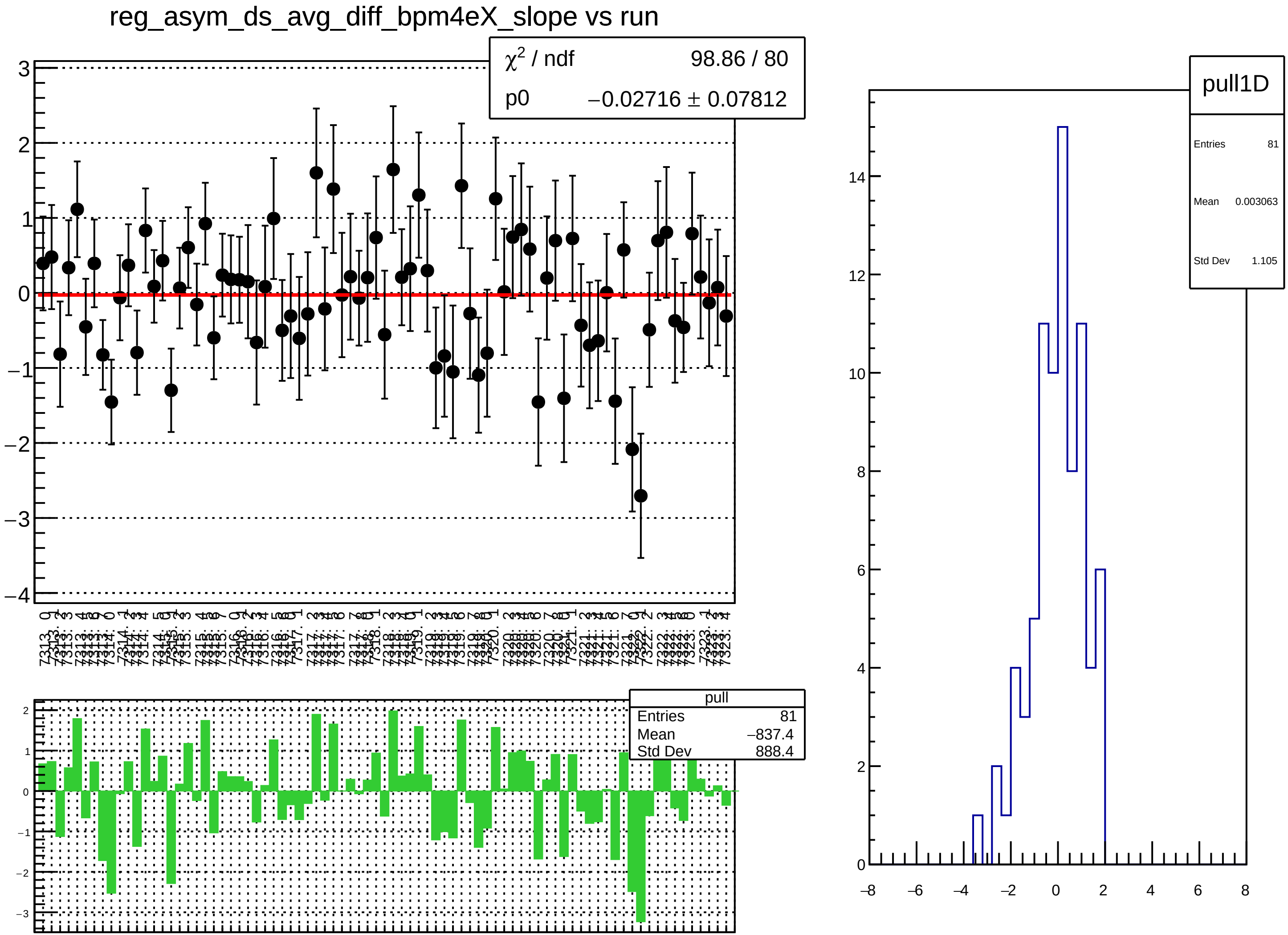
reg_asym_us_dd_diff_bpm12X_slope vs run
χ2 / ndf 126.9 / 80
p0 0.2635 ± 0.03227
pull
Entries 81
Mean −380.6
Std Dev 413.2
pull1D
Entries 81
Mean −0.03966
Std Dev 1.251



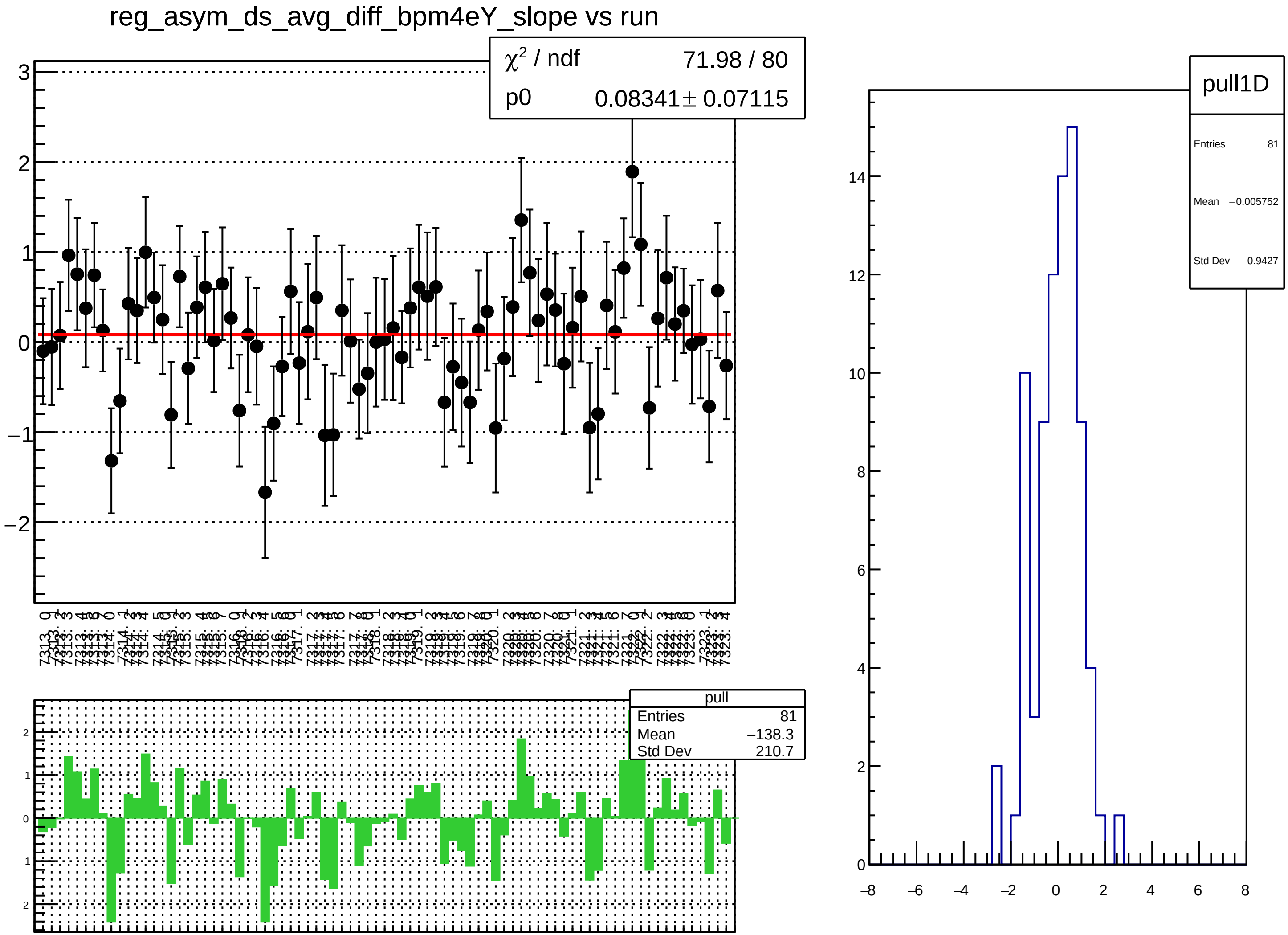
reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 97.06 / 80
p0 0.03703 ± 0.07849
pull
Entries 81
Mean −172.6
Std Dev 228.4
pull1D
Entries 81
Mean −0.009294
Std Dev 1.095



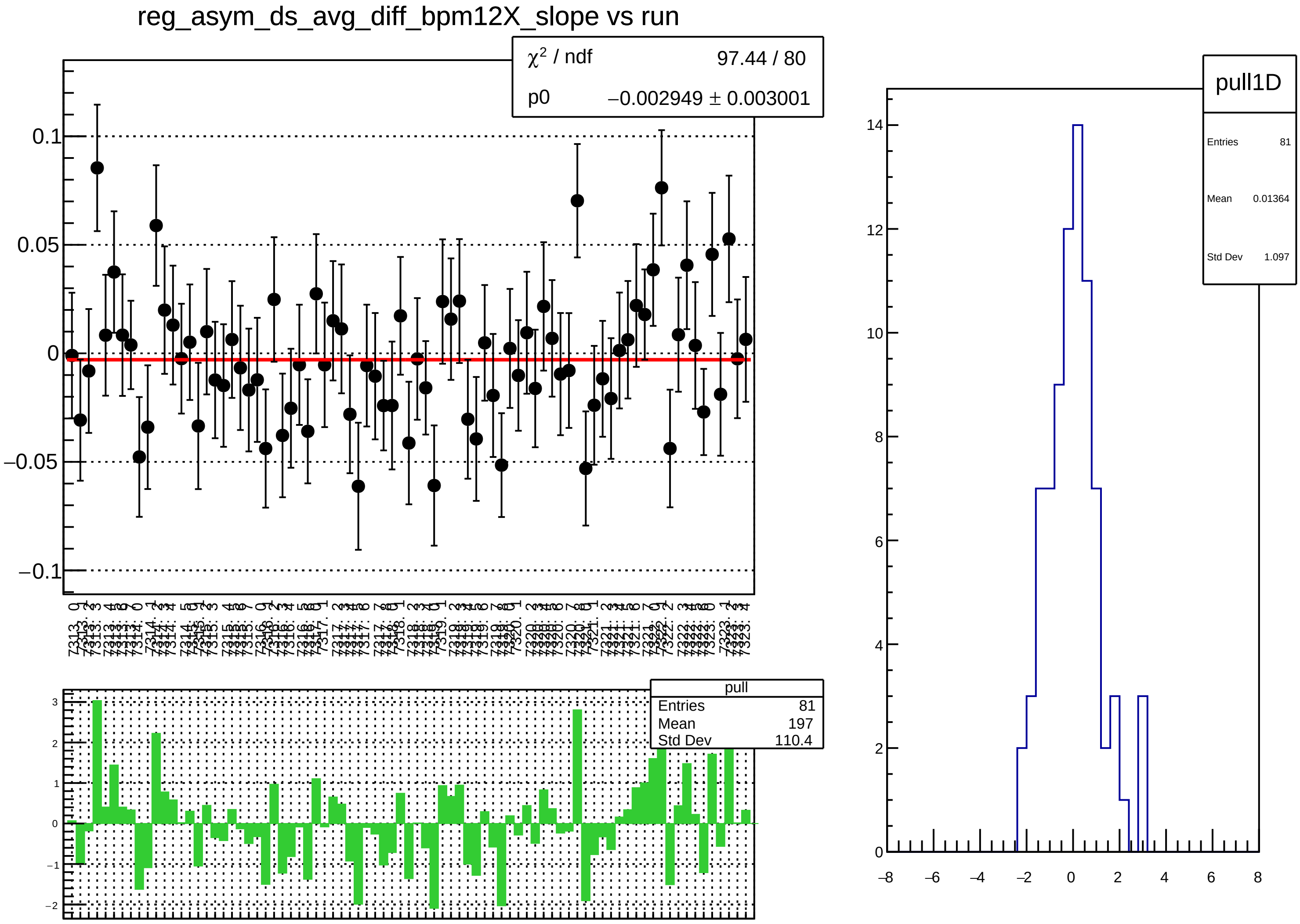
reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 72.19 / 80
p0 −0.09001 ± 0.06552
pull
Entries 81
Mean 55.27
Std Dev 103.4
pull1D
Entries 81
Mean 0.003657
Std Dev 0.944



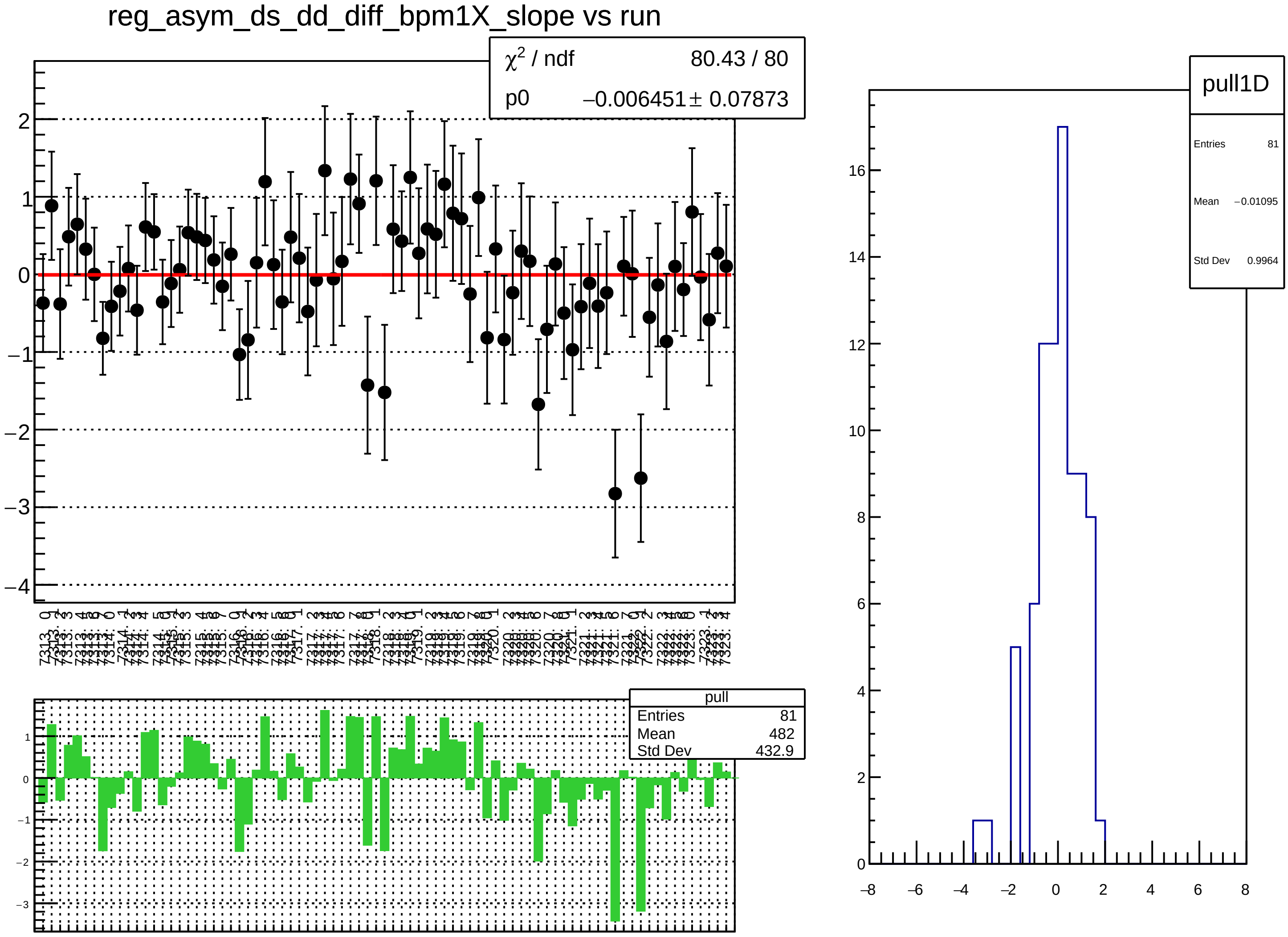
reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 98.86 / 80
p0 −0.02716 ± 0.07812
pull
Entries 81
Mean −837.4
Std Dev 888.4
pull1D
Entries 81
Mean 0.003063
Std Dev 1.105



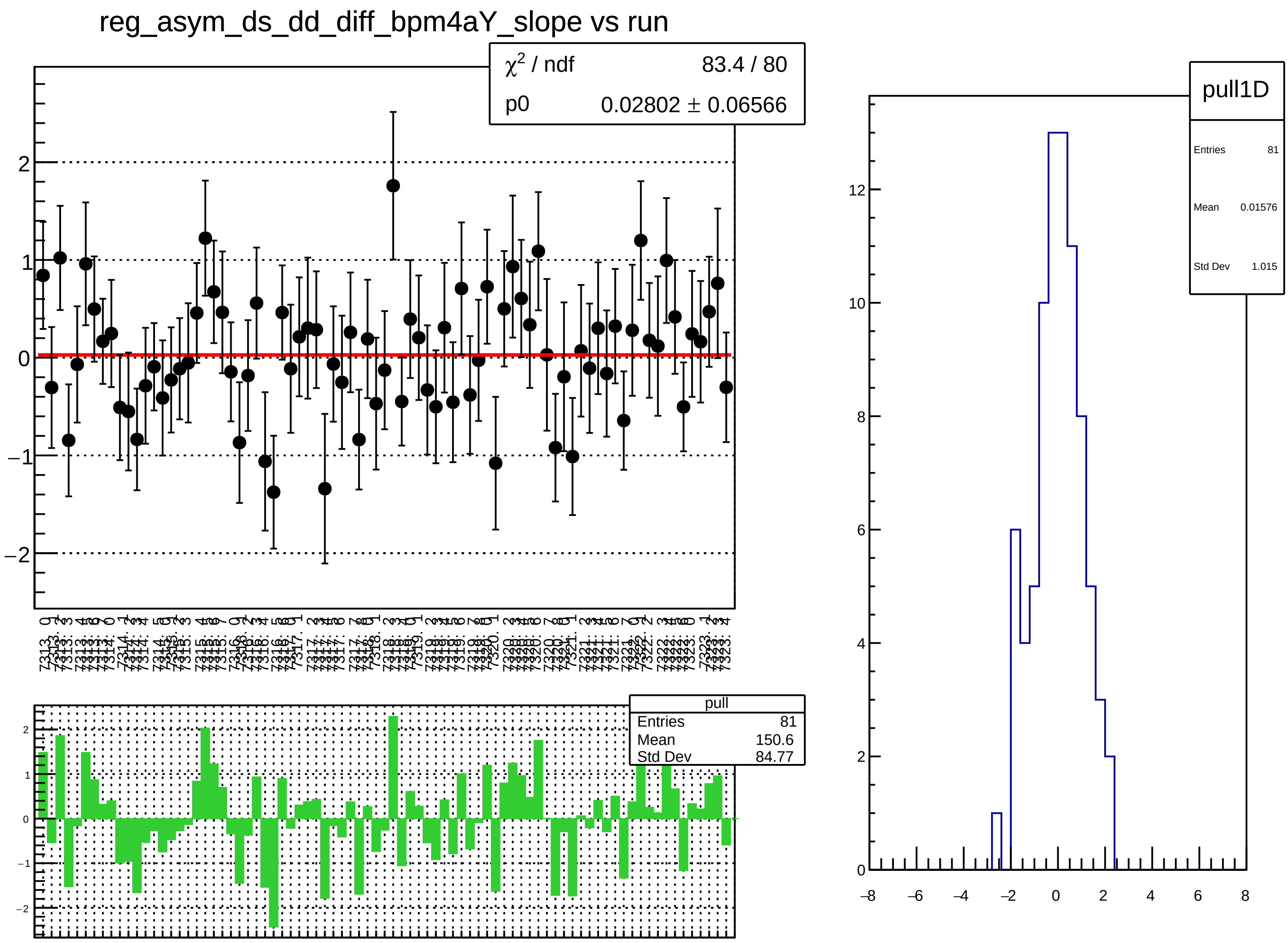
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ2 / ndf 71.98 / 80
p0 0.08341 ± 0.07115
pull
Entries 81
Mean −138.3
Std Dev 210.7
pull1D
Entries 81
Mean −0.005752
Std Dev 0.9427



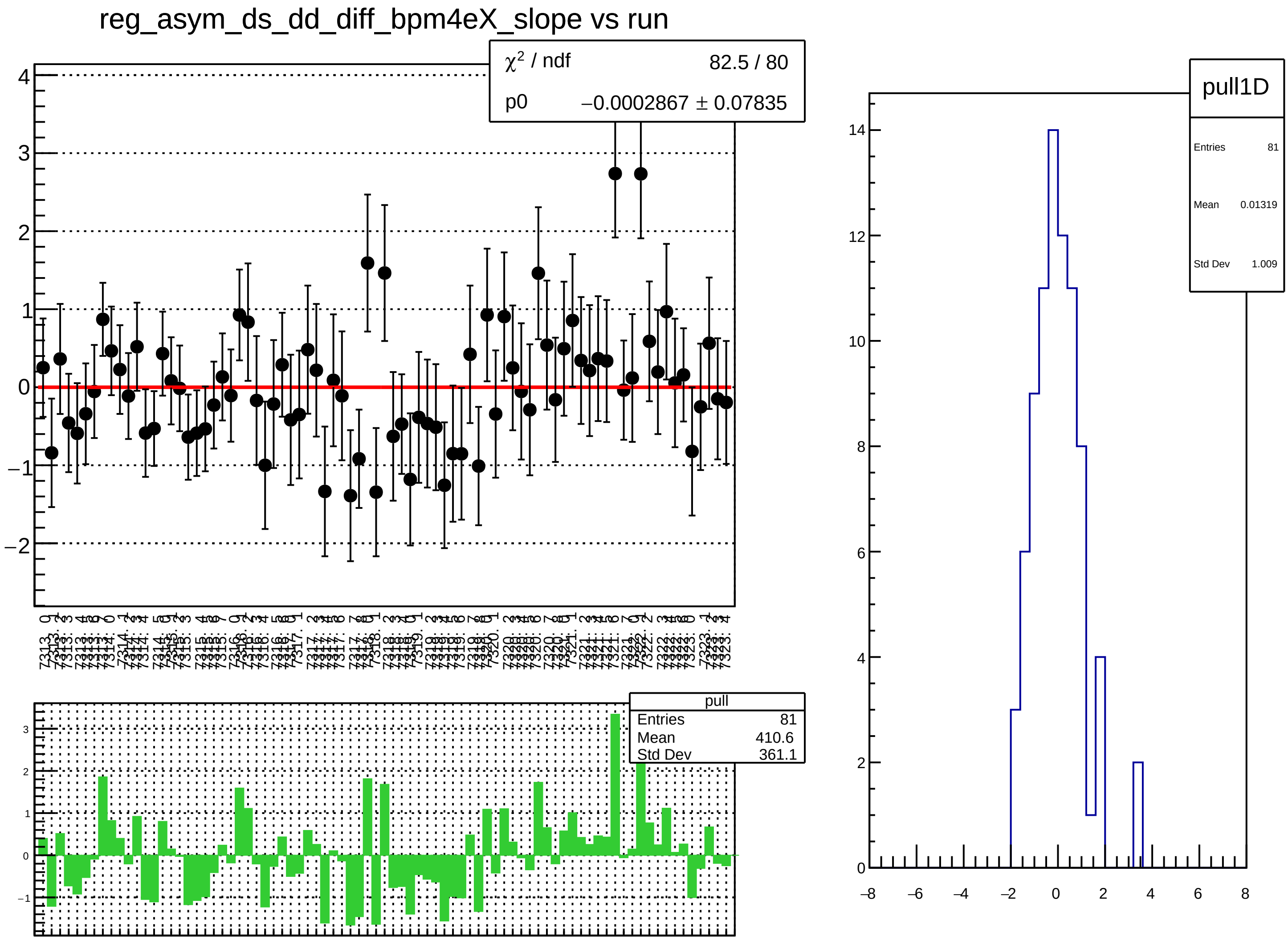
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 97.44 / 80
p0 −0.002949 ± 0.003001
0.1
0.05
0
−0.05
−0.1
pull
Entries 81
Mean 197
Std Dev 110.4
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01364
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



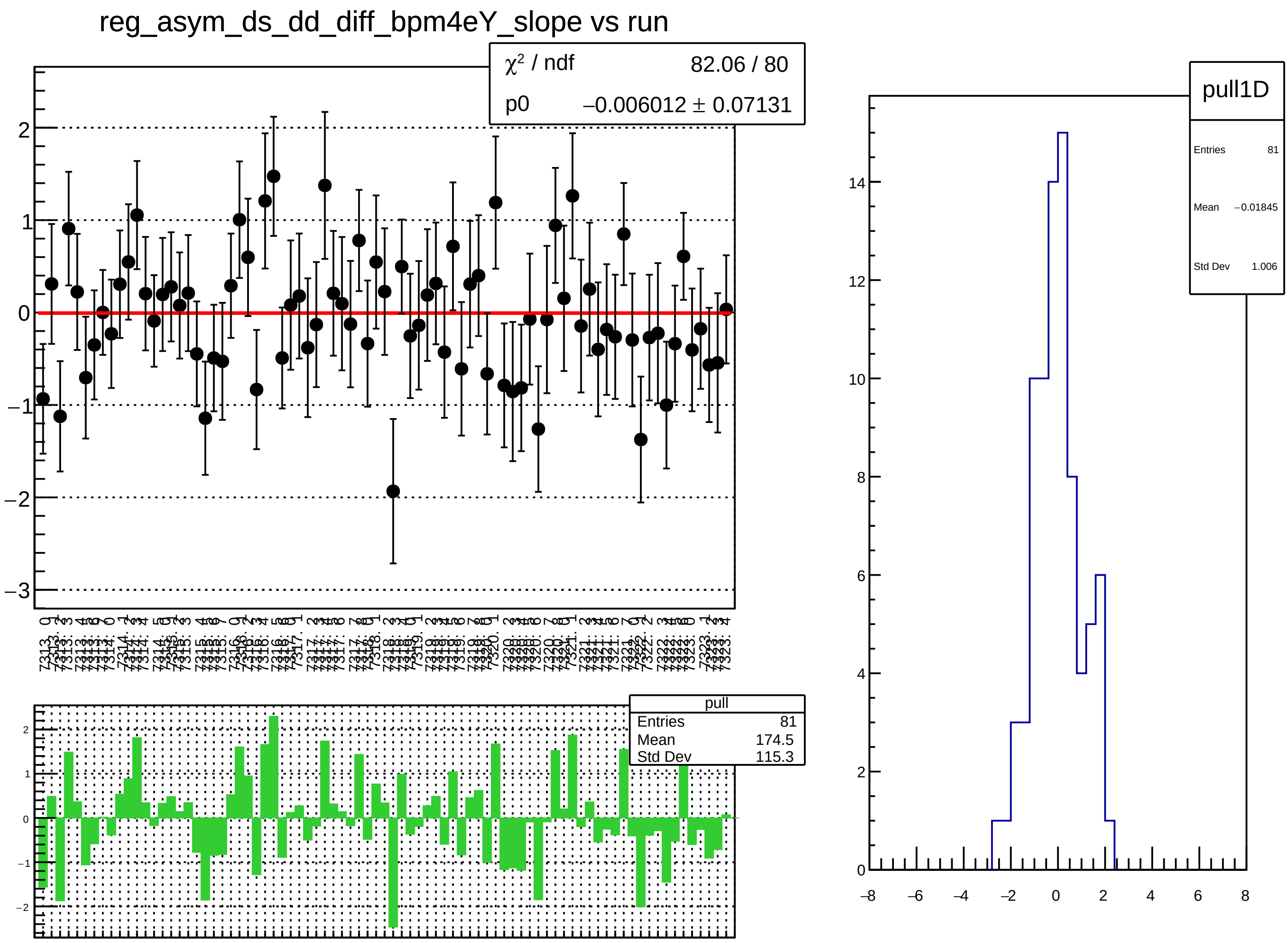
reg_asym_ds_dd_diff_bpm1X_slope vs run
χ2 / ndf 80.43 / 80
p0 −0.006451 ± 0.07873
pull
Entries 81
Mean 482
Std Dev 432.9
pull1D
Entries 81
Mean −0.01095
Std Dev 0.9964



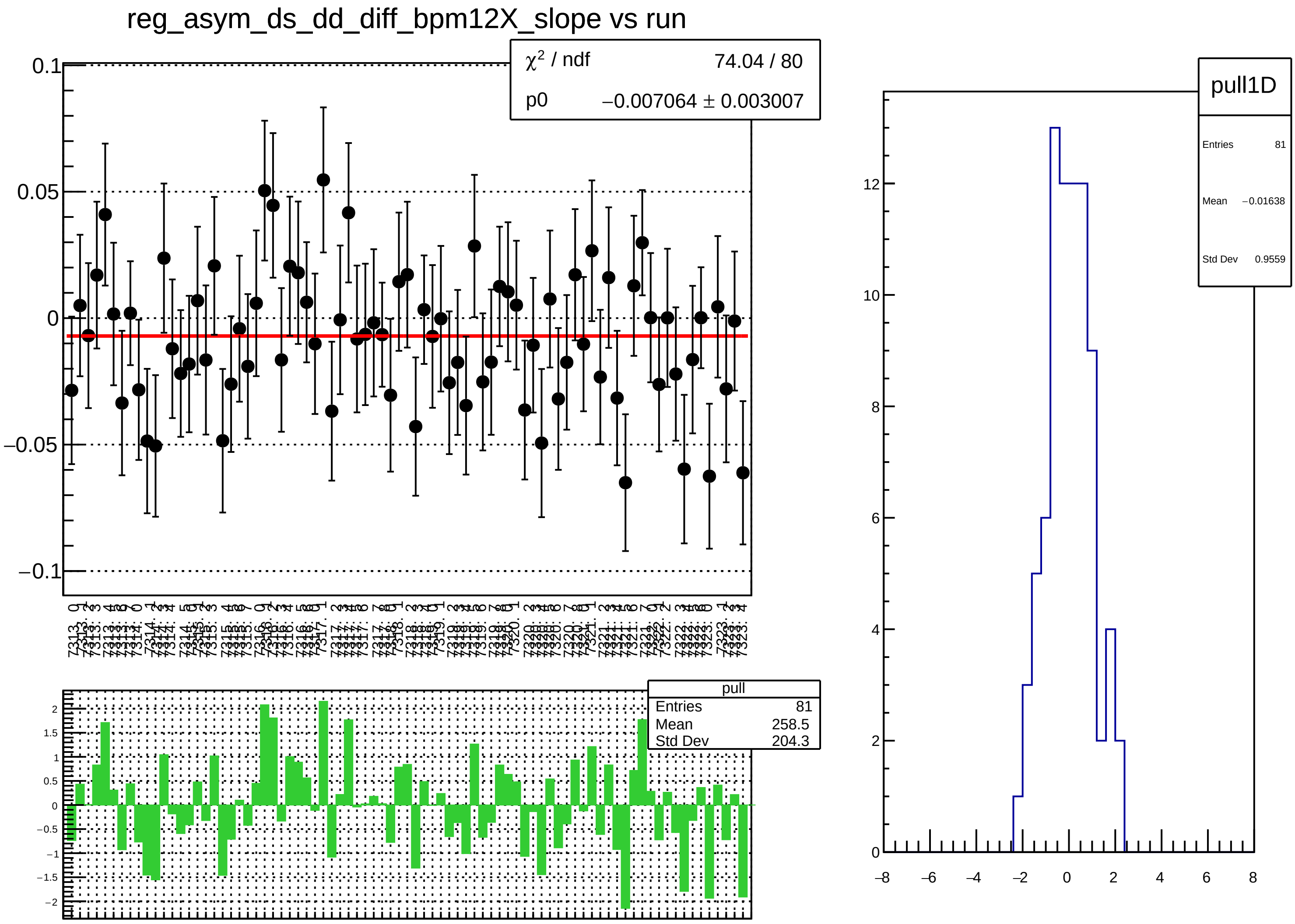
reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 83.4 / 80
p0 0.02802 ± 0.06566
pull
Entries 81
Mean 150.6
Std Dev 84.77
pull1D
Entries 81
Mean 0.01576
Std Dev 1.015



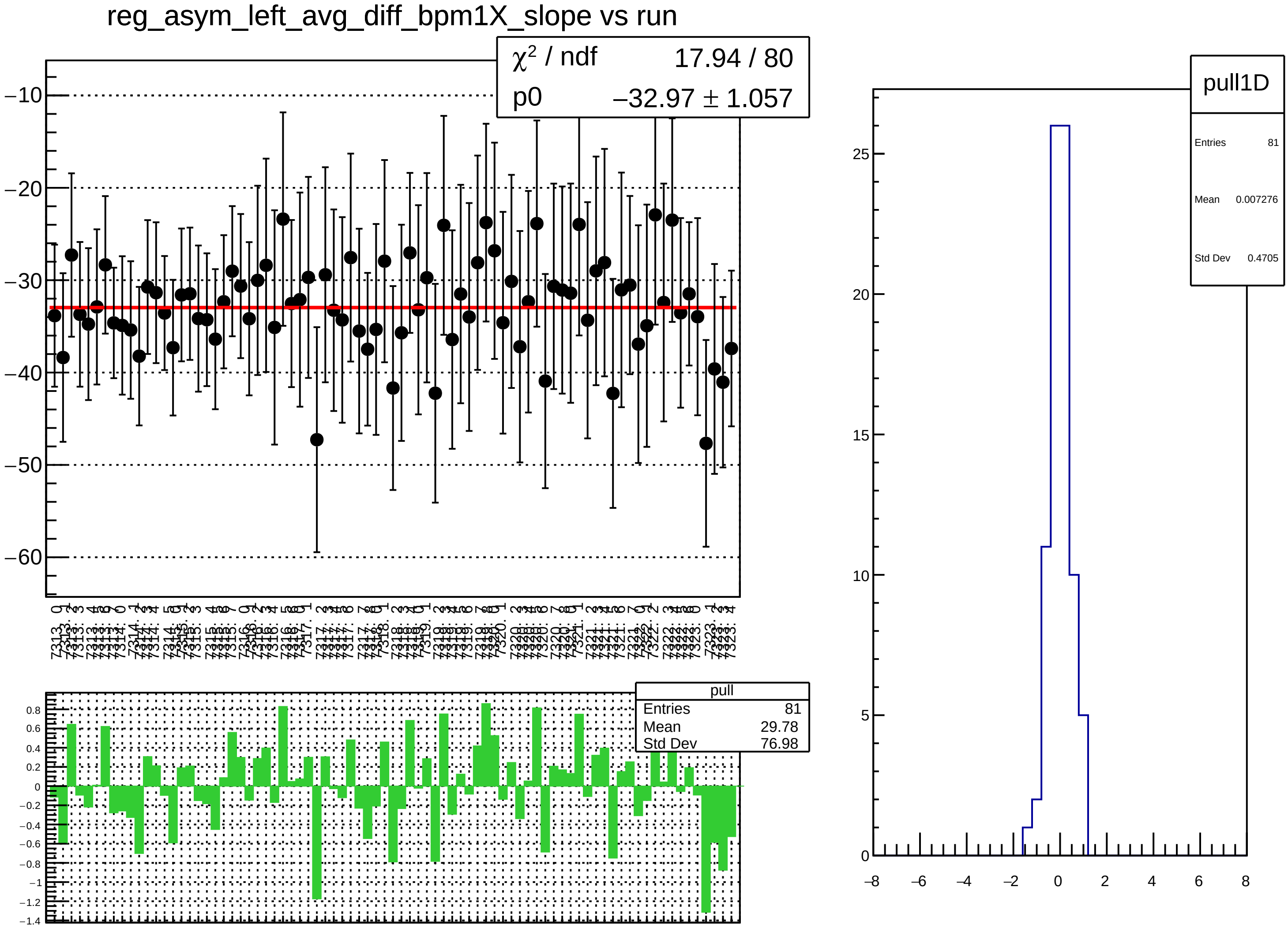
reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 82.5 / 80
p0 −0.0002867 ± 0.07835
pull
Entries 81
Mean 410.6
Std Dev 361.1
pull1D
Entries 81
Mean 0.01319
Std Dev 1.009



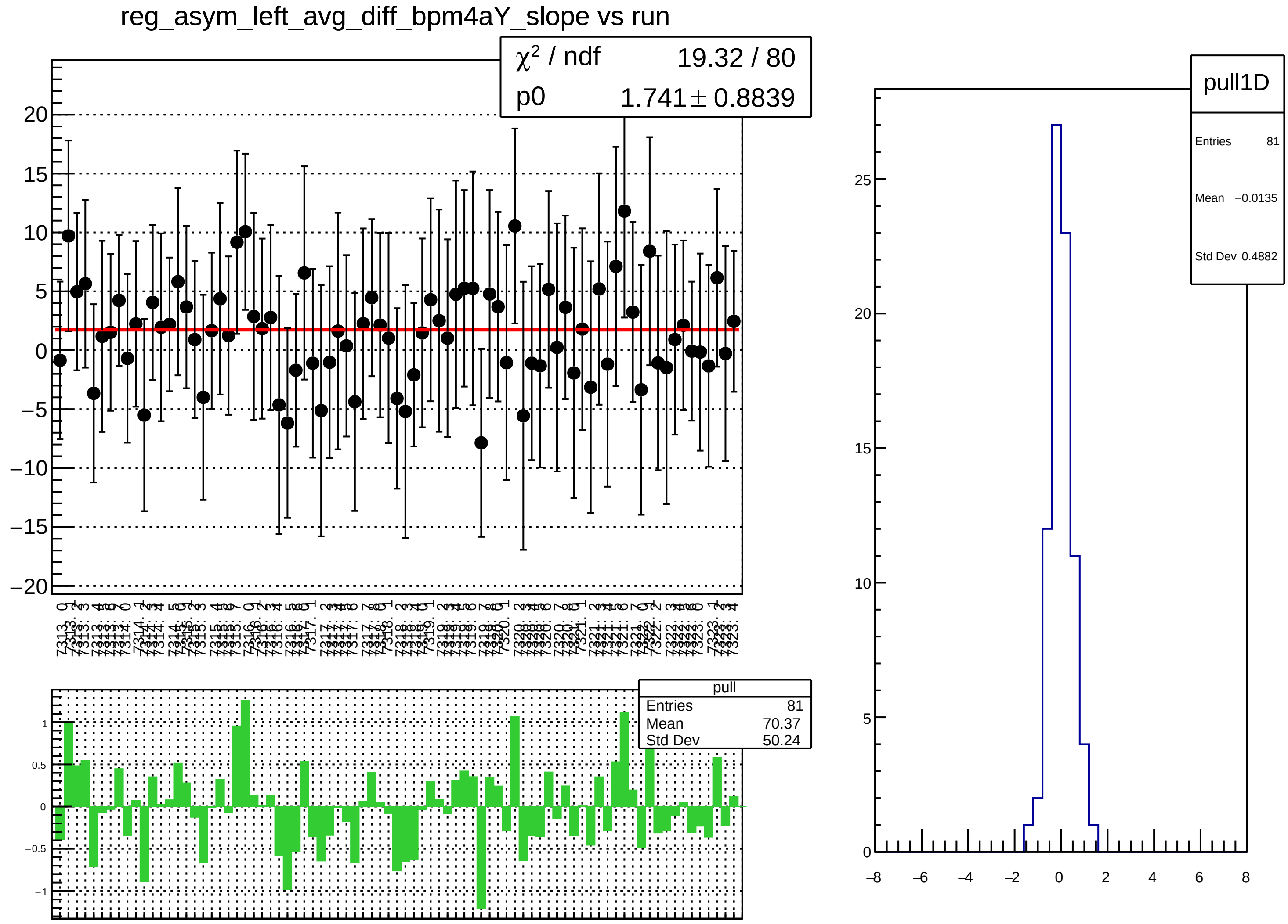
reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 82.06 / 80
p0 −0.006012 ± 0.07131
pull
Entries 81
Mean 174.5
Std Dev 115.3
pull1D
Entries 81
Mean −0.01845
Std Dev 1.006

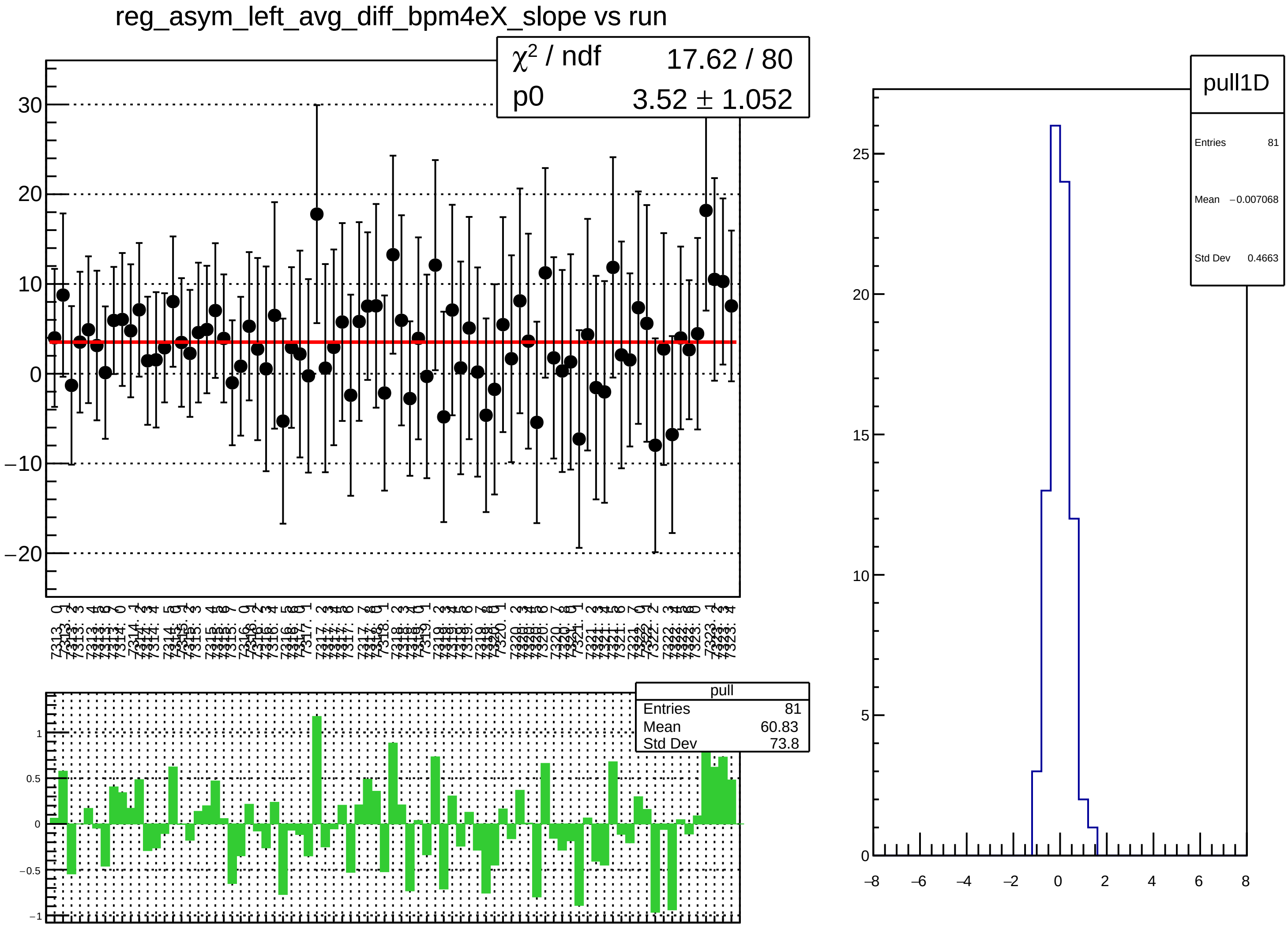


reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 74.04 / 80
p0 −0.007064 ± 0.003007
pull
Entries 81
Mean 258.5
Std Dev 204.3
pull1D
Entries 81
Mean −0.01638
Std Dev 0.9559

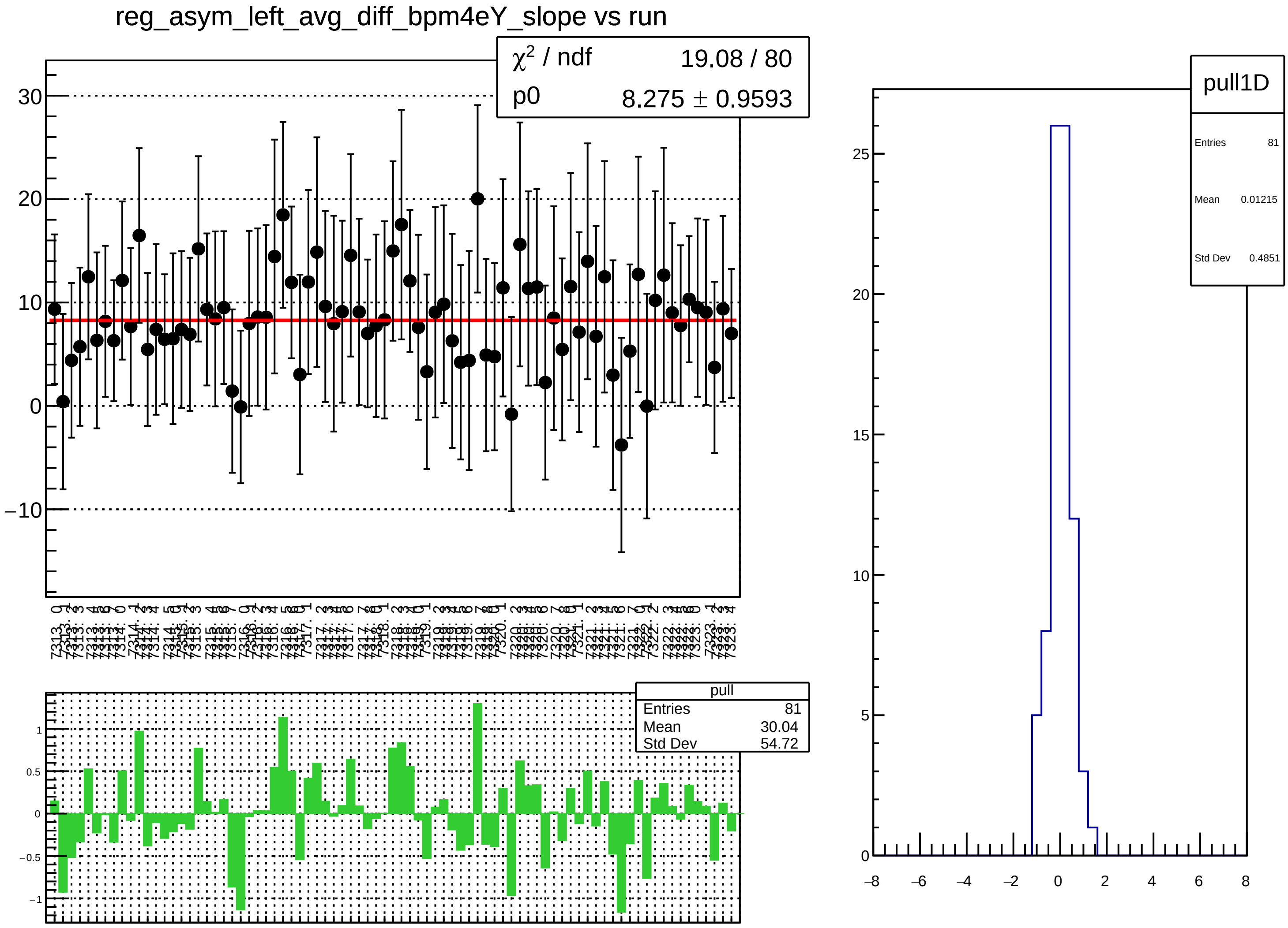


reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 17.94 / 80
p0 −32.97 ± 1.057
pull
Entries 81
Mean 29.78
Std Dev 76.98
pull1D
Entries 81
Mean 0.007276
Std Dev 0.4705

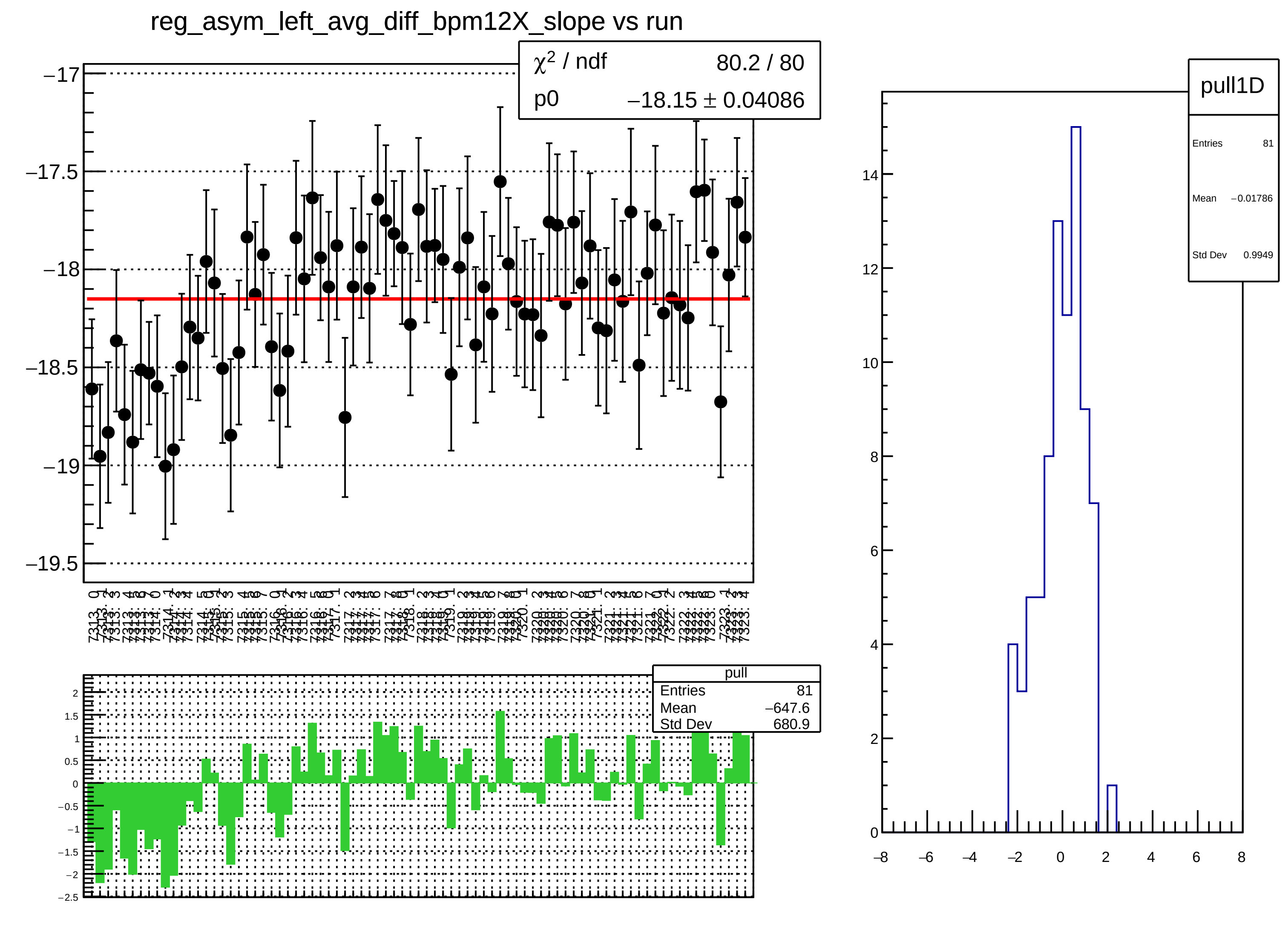

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 19.32 / 80
p0 1.741 ± 0.8839
20
15
10
5
0
−5
−10
−15
−20
pull
Entries 81
Mean 70.37
Std Dev 50.24
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean −0.0135
Std Dev 0.4882
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



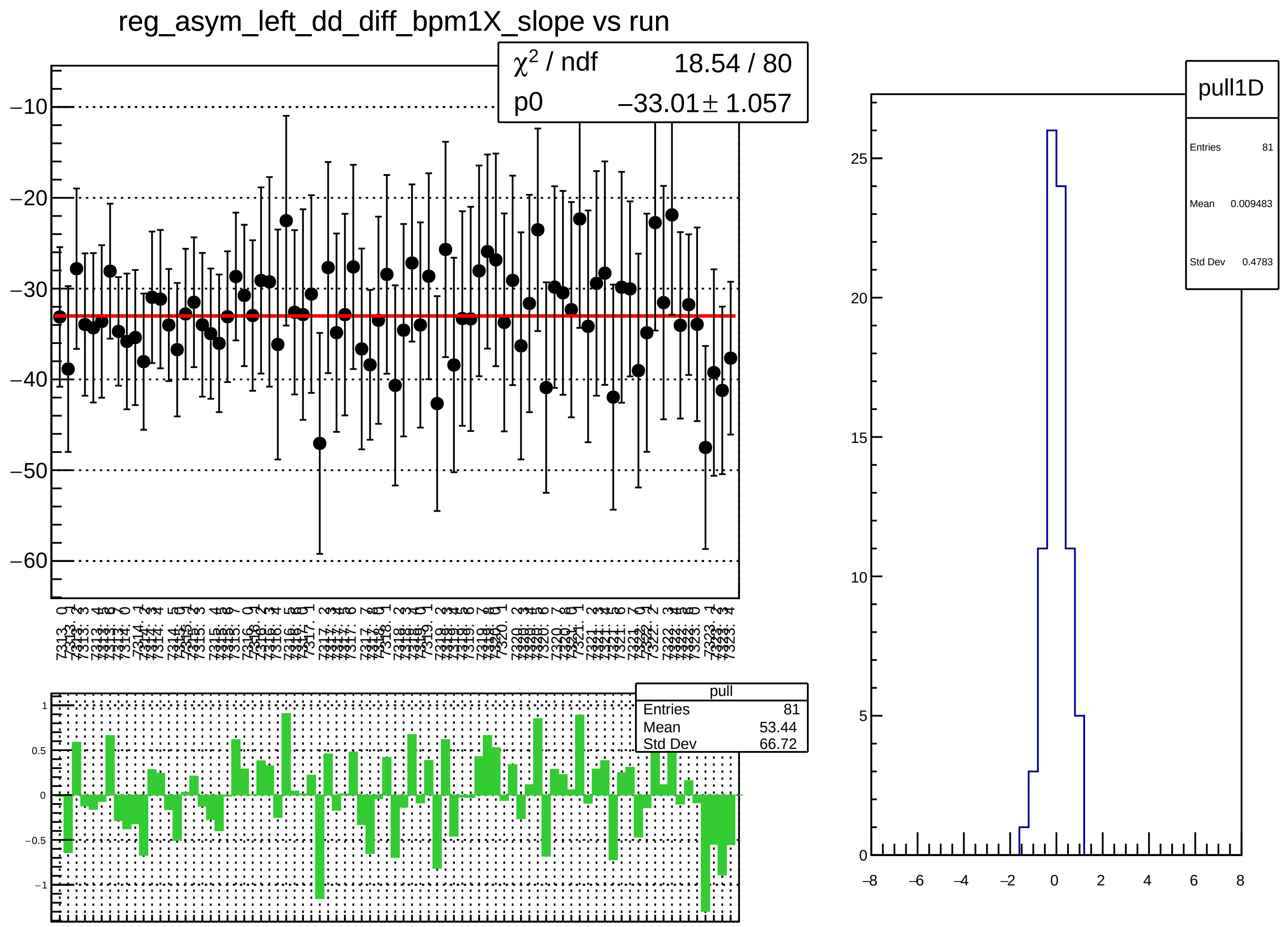
reg_asym_left_avg_diff_bpm4eX_slope vs run
χ2 / ndf 17.62 / 80
p0 3.52 ± 1.052
pull
Entries 81
Mean 60.83
Std Dev 73.8
pull1D
Entries 81
Mean −0.007068
Std Dev 0.4663

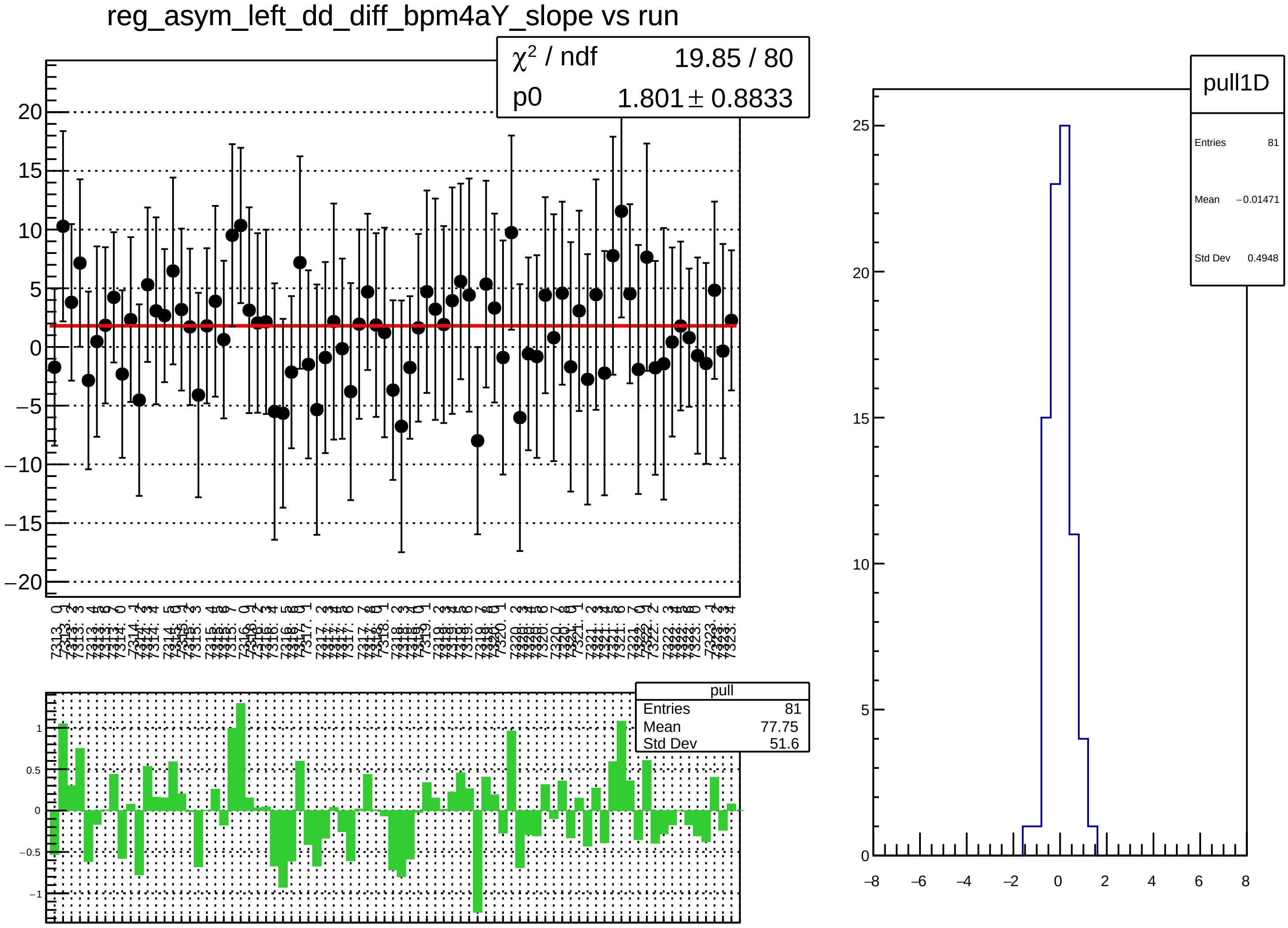


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ2 / ndf 19.08 / 80
p0 8.275 ± 0.9593
pull
Entries 81
Mean 30.04
Std Dev 54.72
pull1D
Entries 81
Mean 0.01215
Std Dev 0.4851

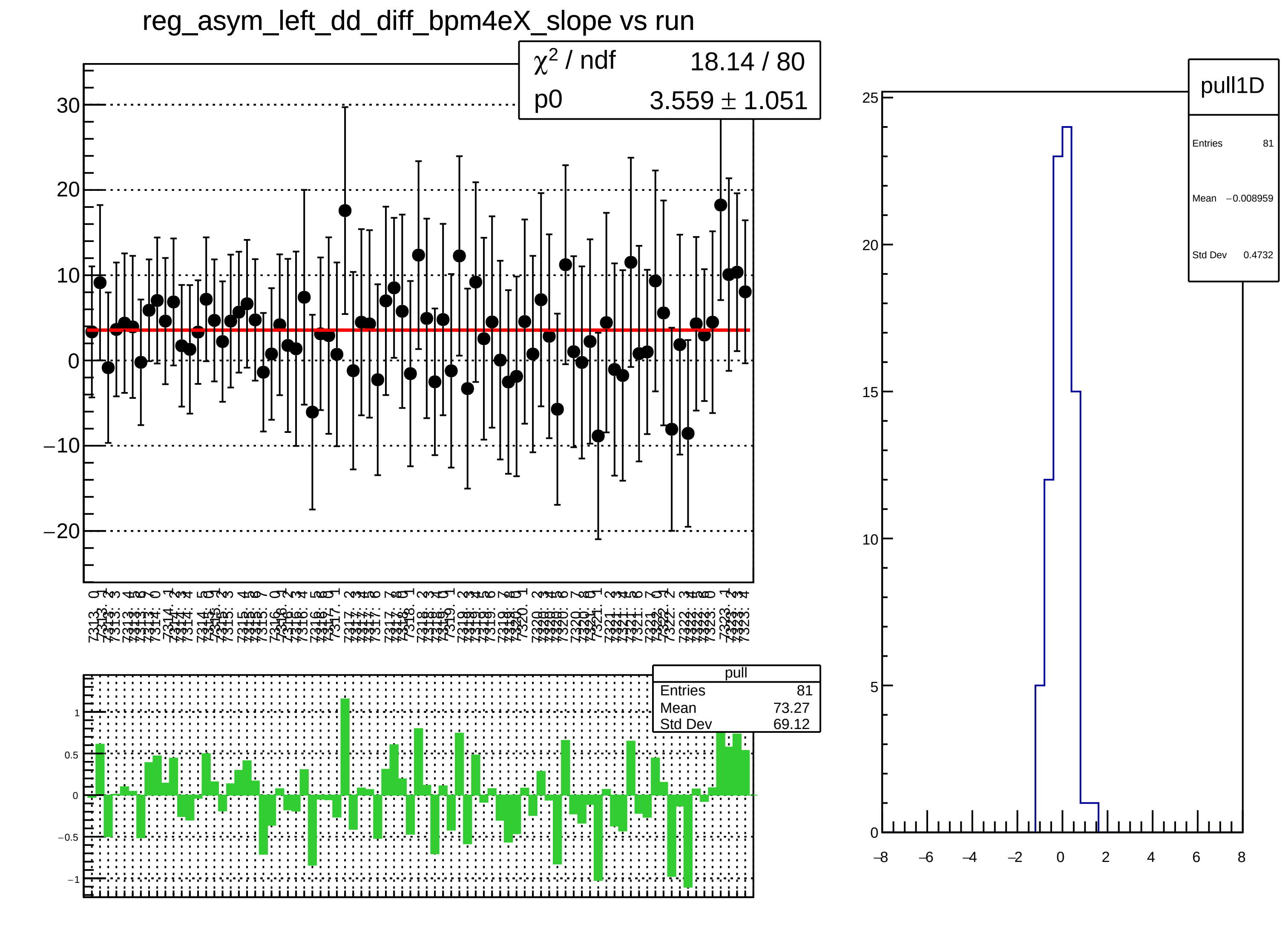


reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 80.2 / 80
p0 −18.15 ± 0.04086
pull
Entries 81
Mean −647.6
Std Dev 680.9
pull1D
Entries 81
Mean −0.01786
Std Dev 0.9949

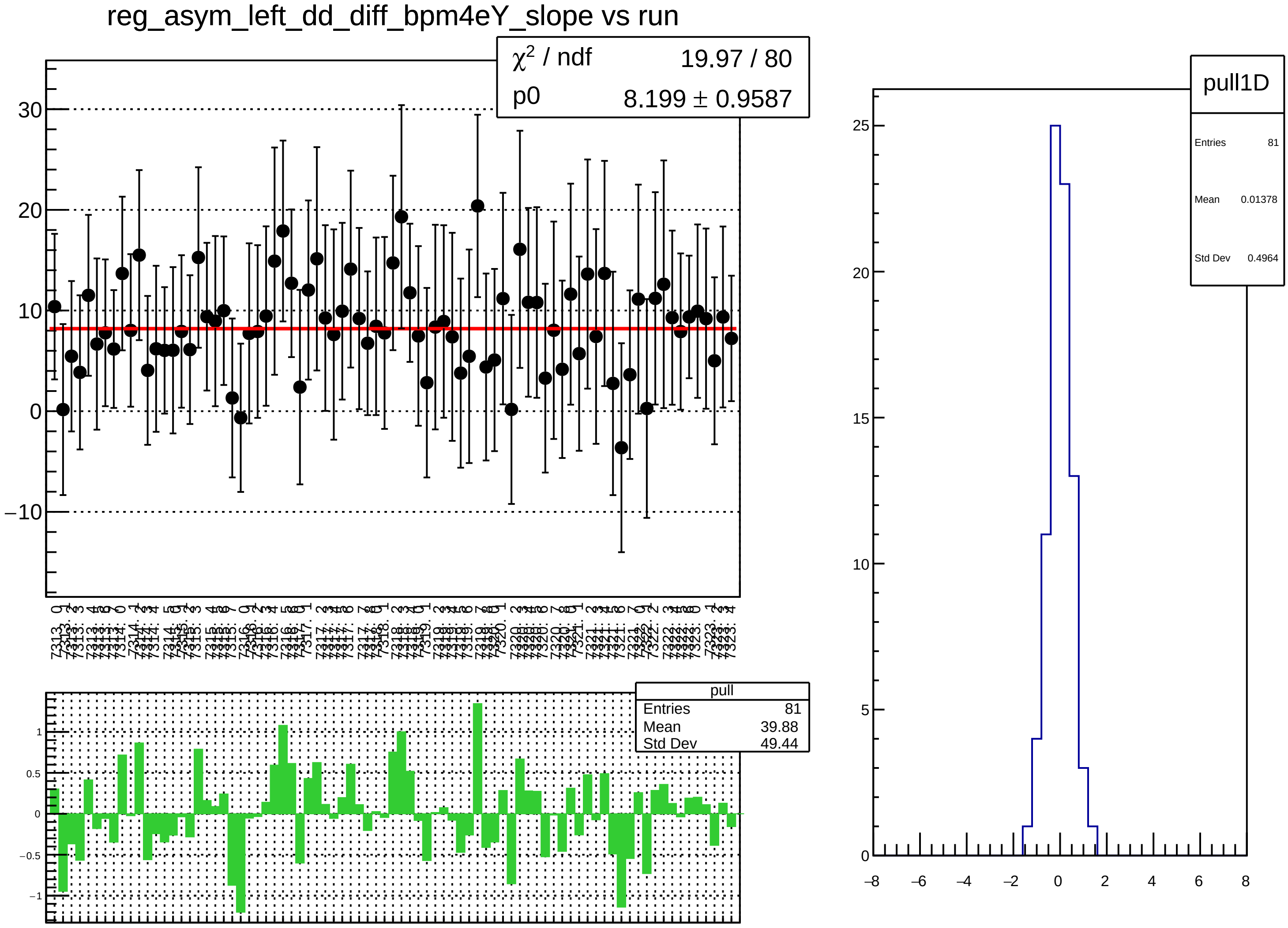

reg_asym_left_dd_diff_bpm1X_slope vs run
χ2 / ndf 18.54 / 80
p0 −33.01 ± 1.057
−10
−20
−30
−40
−50
−60
pull
Entries 81
Mean 53.44
Std Dev 66.72
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.009483
Std Dev 0.4783
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



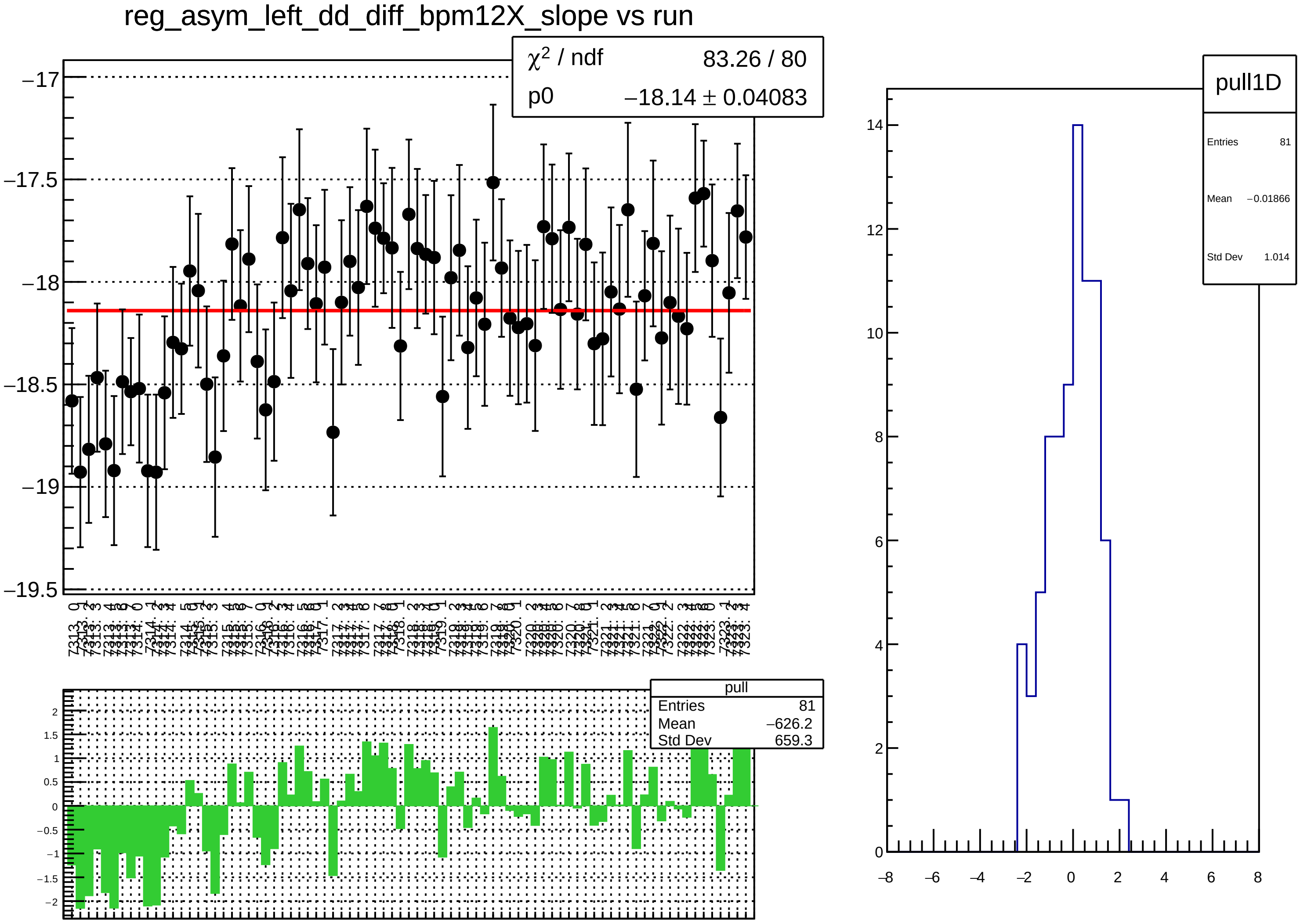
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 19.85 / 80
p0 1.801 ± 0.8833
pull
Entries 81
Mean 77.75
Std Dev 51.6
pull1D
Entries 81
Mean −0.01471
Std Dev 0.4948



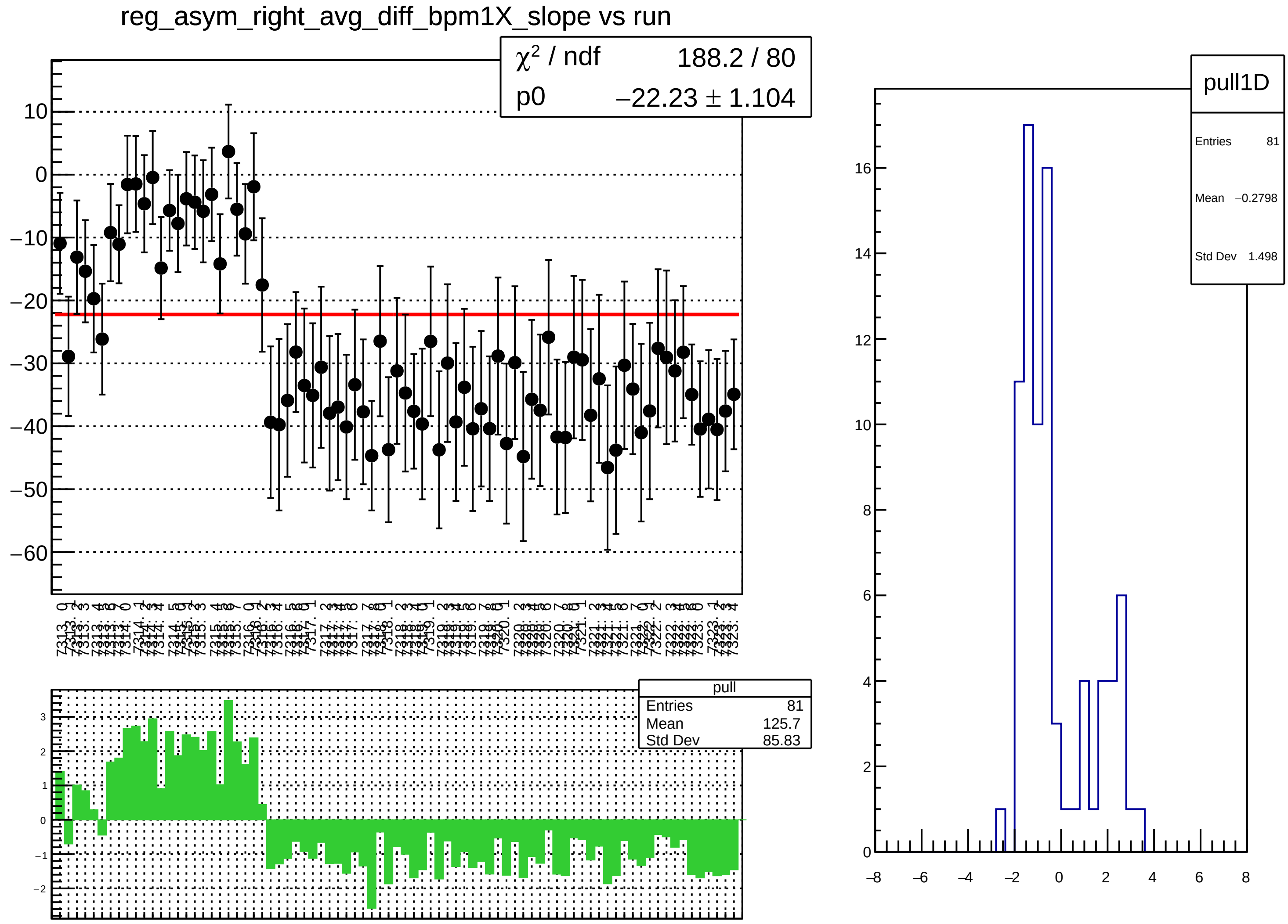
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 18.14 / 80
p0 3.559 ± 1.051
pull
Entries 81
Mean 73.27
Std Dev 69.12
pull1D
Entries 81
Mean −0.008959
Std Dev 0.4732



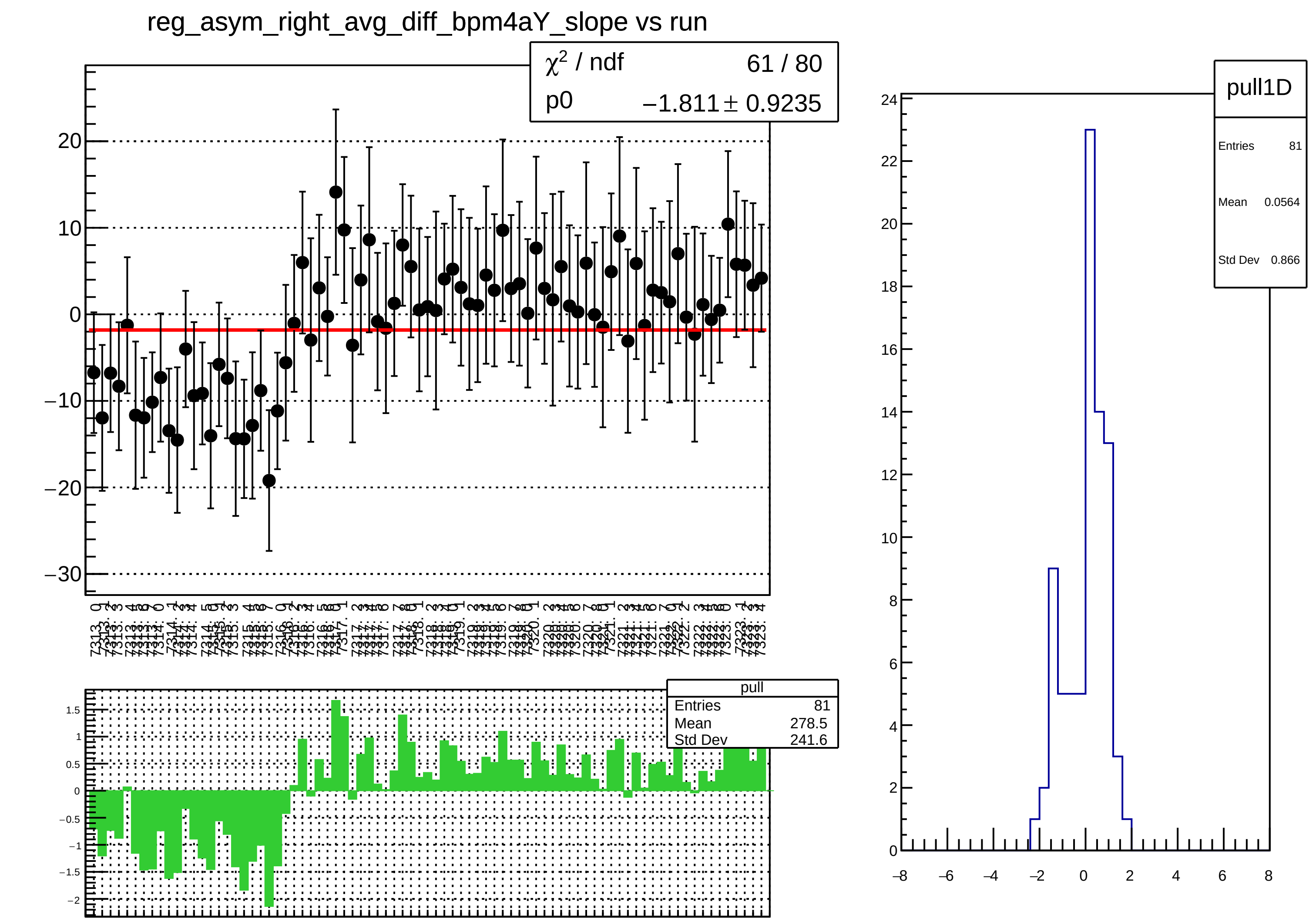
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 19.97 / 80
p0 8.199 ± 0.9587
pull
Entries 81
Mean 39.88
Std Dev 49.44
pull1D
Entries 81
Mean 0.01378
Std Dev 0.4964



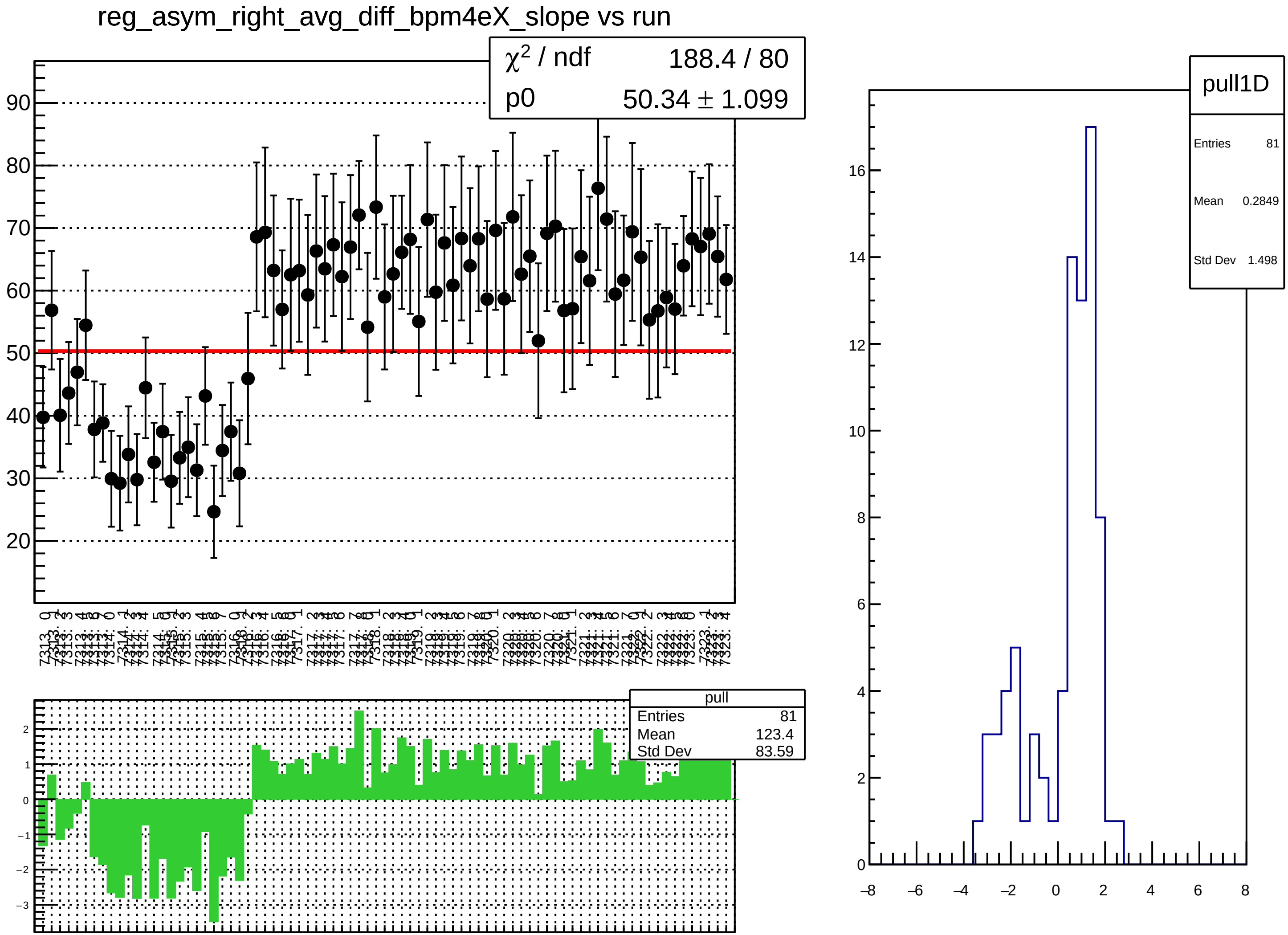
reg_asym_left_dd_diff_bpm12X_slope vs run
χ2 / ndf 83.26 / 80
p0 −18.14 ± 0.04083
pull
Entries 81
Mean −626.2
Std Dev 659.3
pull1D
Entries 81
Mean −0.01866
Std Dev 1.014



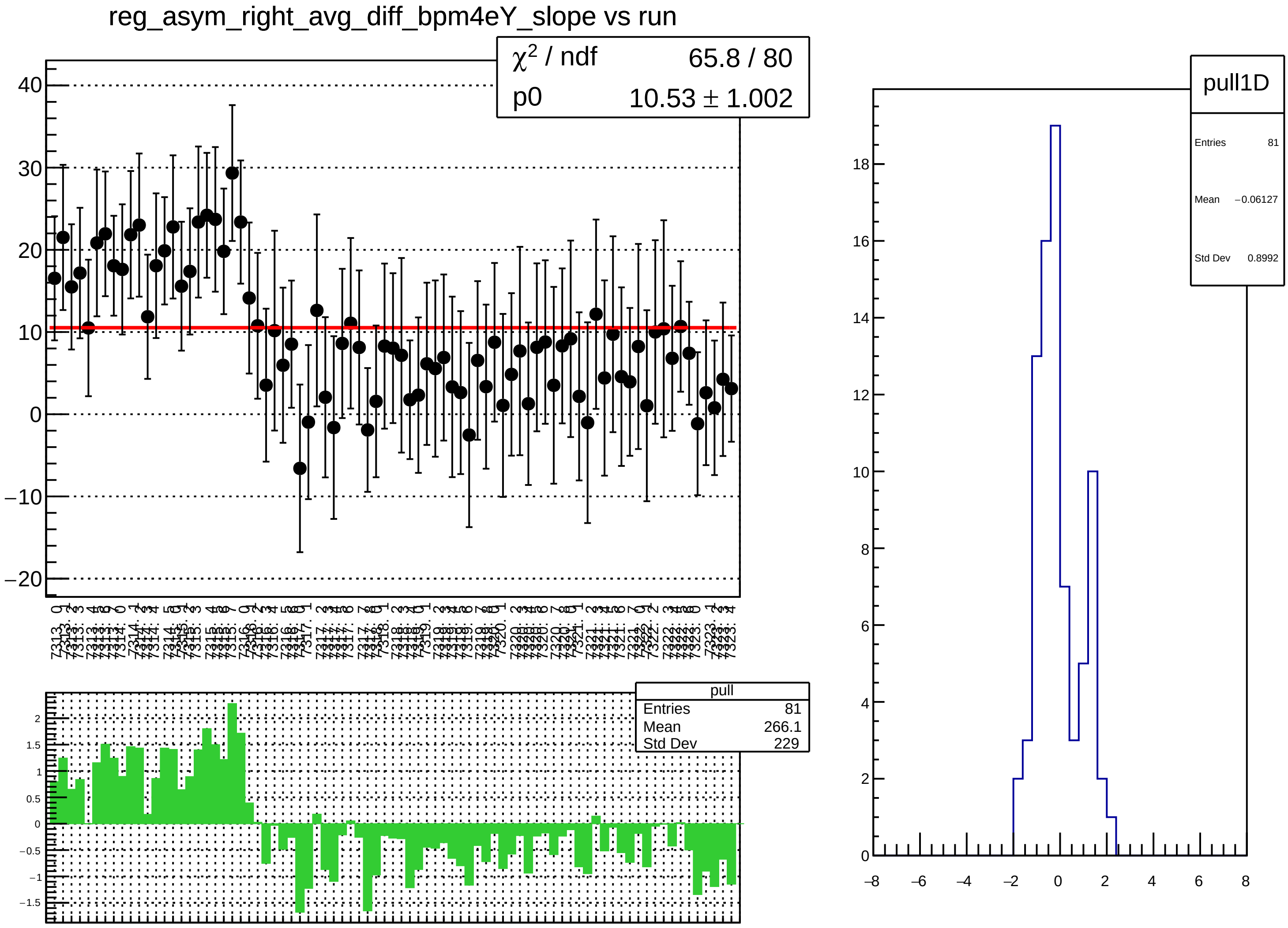
reg_asym_right_avg_diff_bpm1X_slope vs run
χ2 / ndf 188.2 / 80
p0 −22.23 ± 1.104
pull
Entries 81
Mean 125.7
Std Dev 85.83
pull1D
Entries 81
Mean −0.2798
Std Dev 1.498



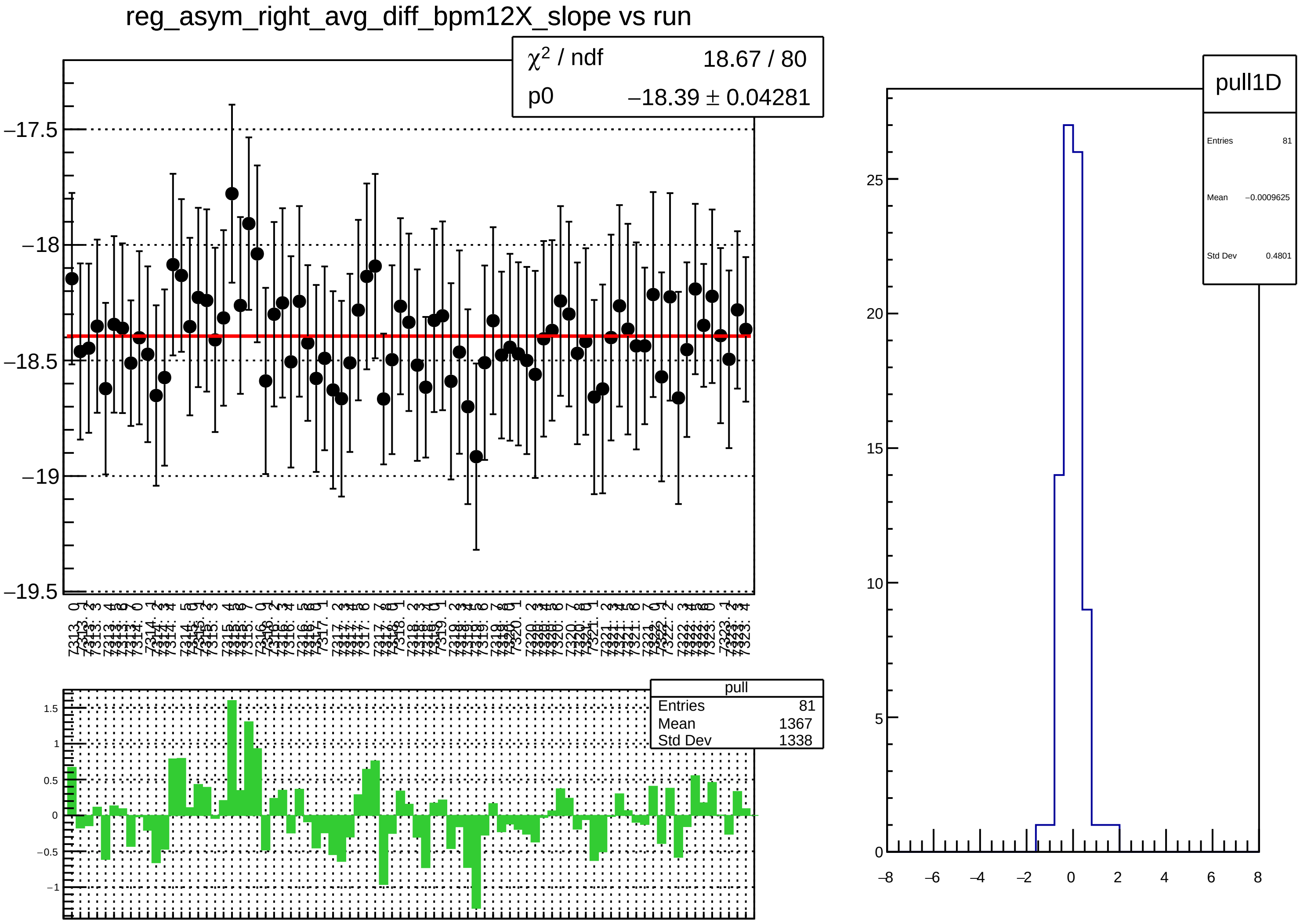
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 61 / 80
p0 −1.811 ± 0.9235
pull
Entries 81
Mean 278.5
Std Dev 241.6
pull1D
Entries 81
Mean 0.0564
Std Dev 0.866



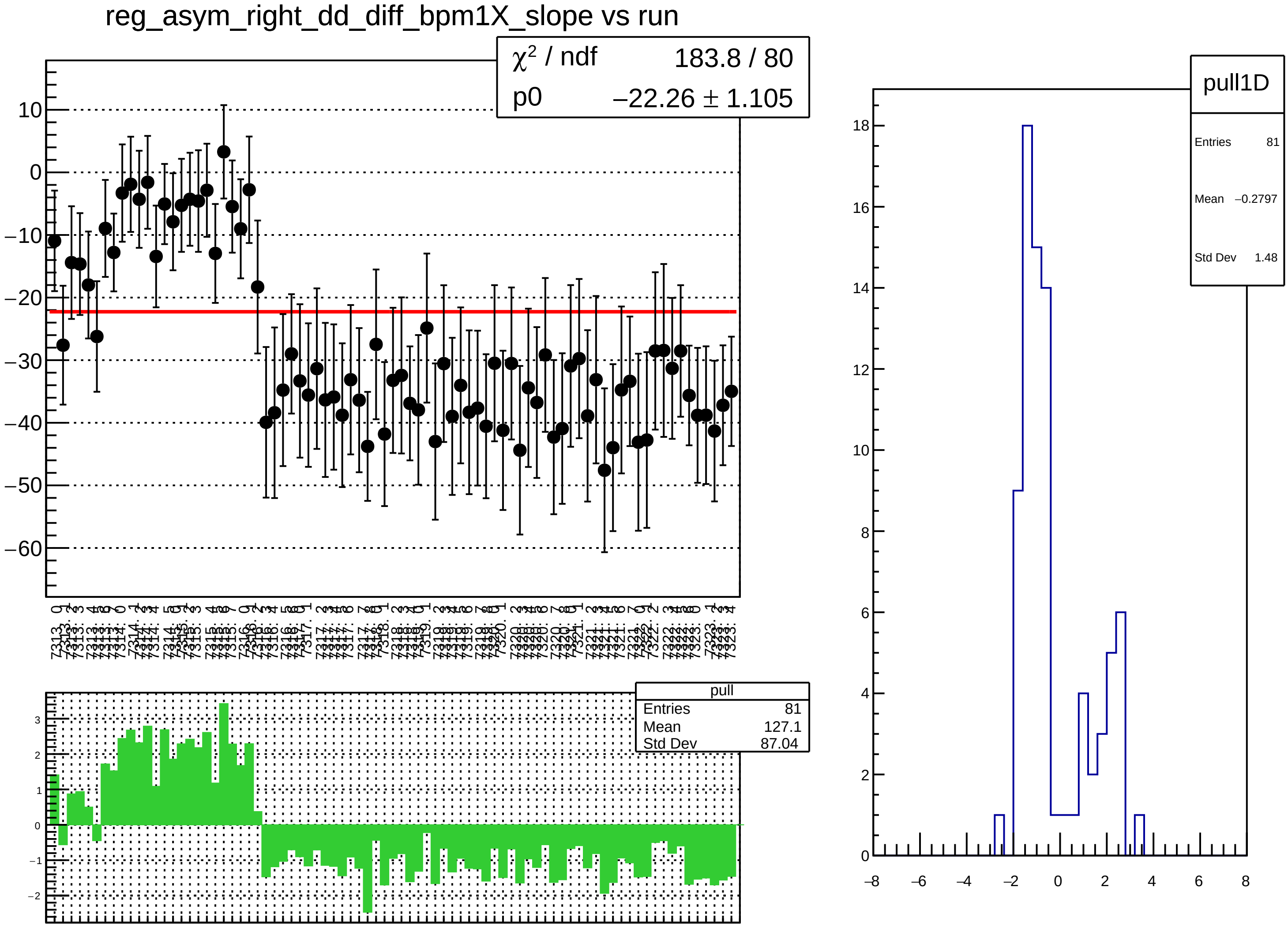
reg_asym_right_avg_diff_bpm4eX_slope vs run
χ2 / ndf 188.4 / 80
p0 50.34 ± 1.099
pull
Entries 81
Mean 123.4
Std Dev 83.59
pull1D
Entries 81
Mean 0.2849
Std Dev 1.498



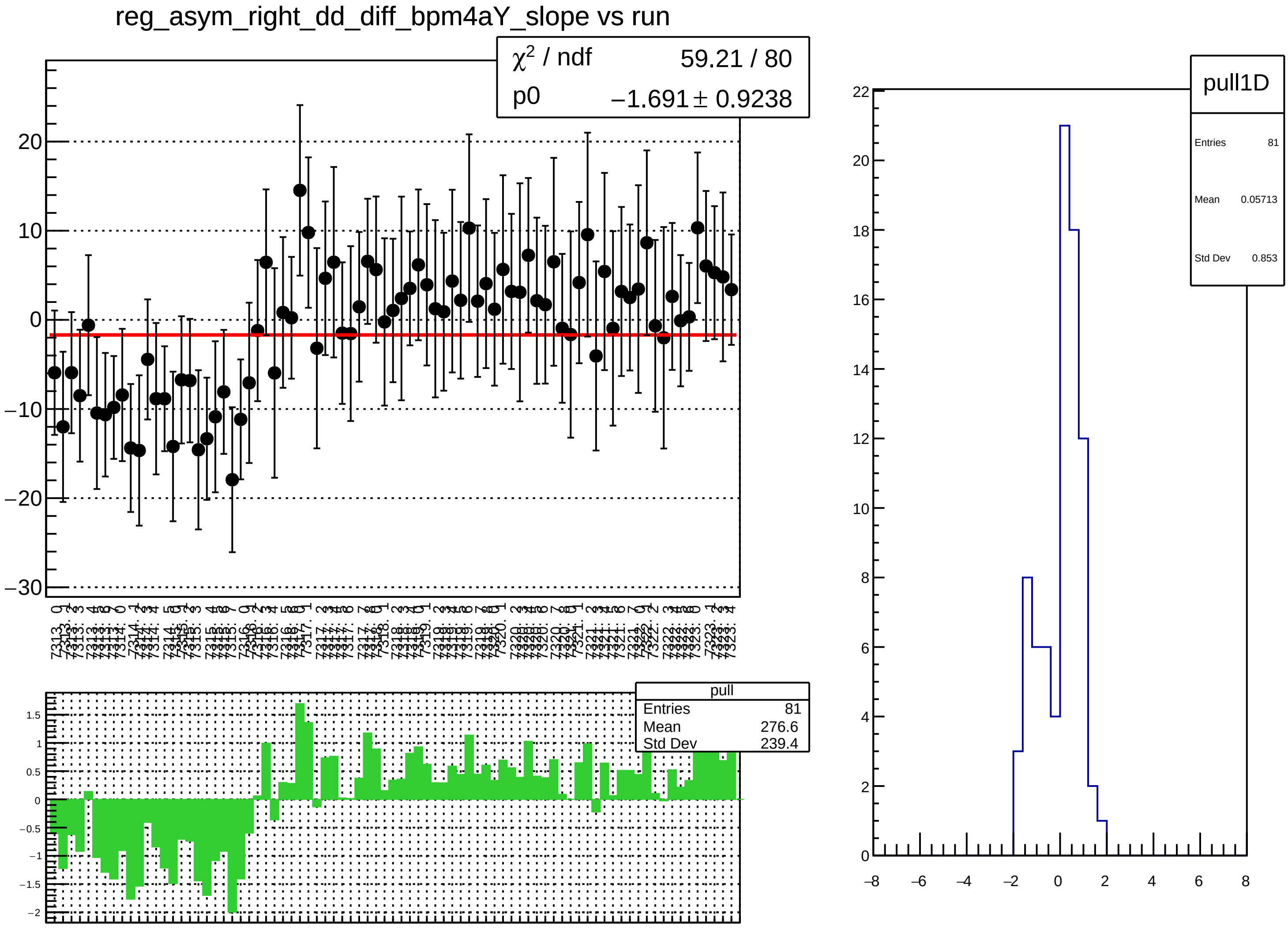
reg_asym_right_avg_diff_bpm4eY_slope vs run
χ2 / ndf 65.8 / 80
p0 10.53 ± 1.002
pull
Entries 81
Mean 266.1
Std Dev 229
pull1D
Entries 81
Mean −0.06127
Std Dev 0.8992



reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 18.67 / 80
p0 −18.39 ± 0.04281
pull
Entries 81
Mean 1367
Std Dev 1338
pull1D
Entries 81
Mean −0.0009625
Std Dev 0.4801

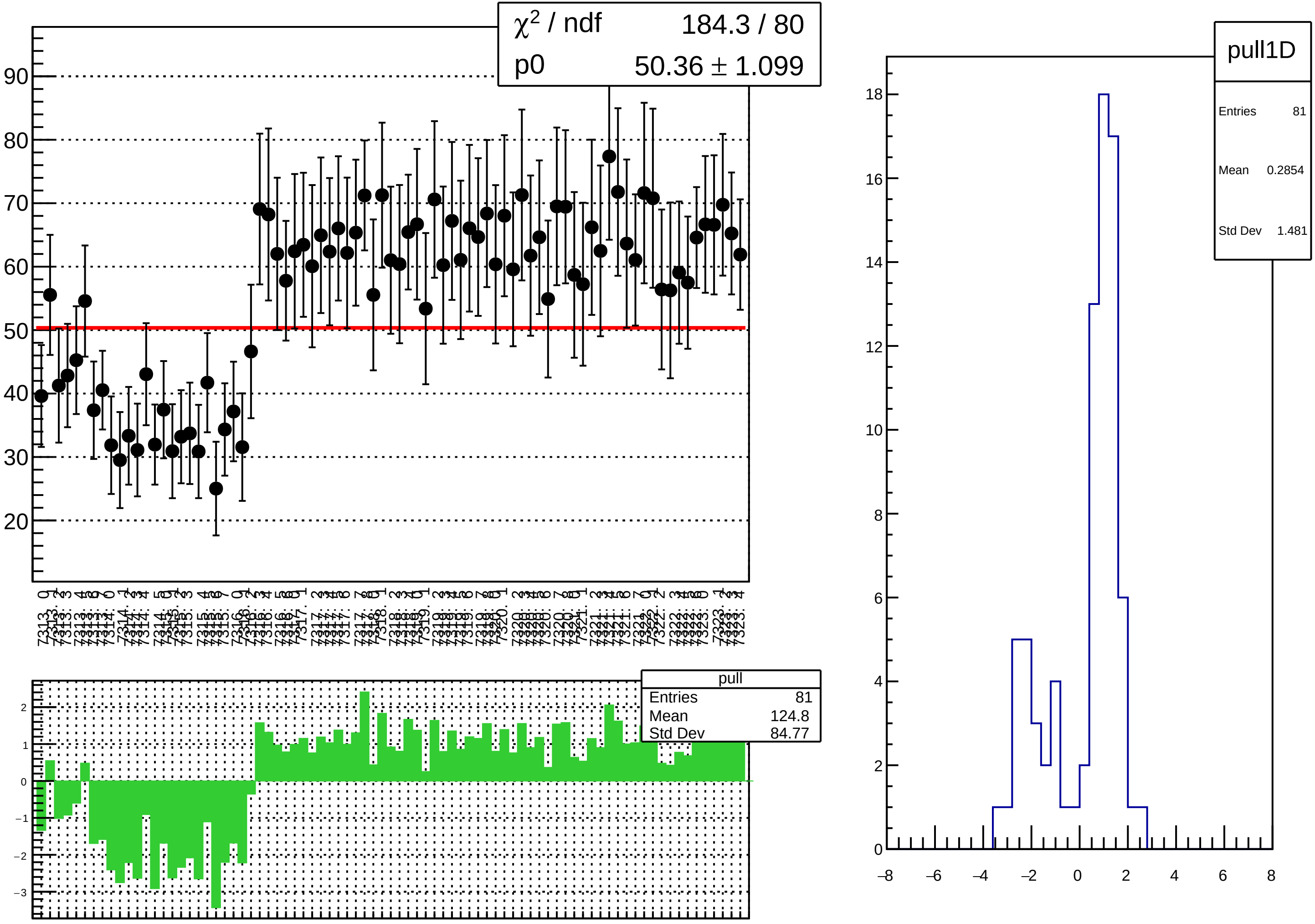


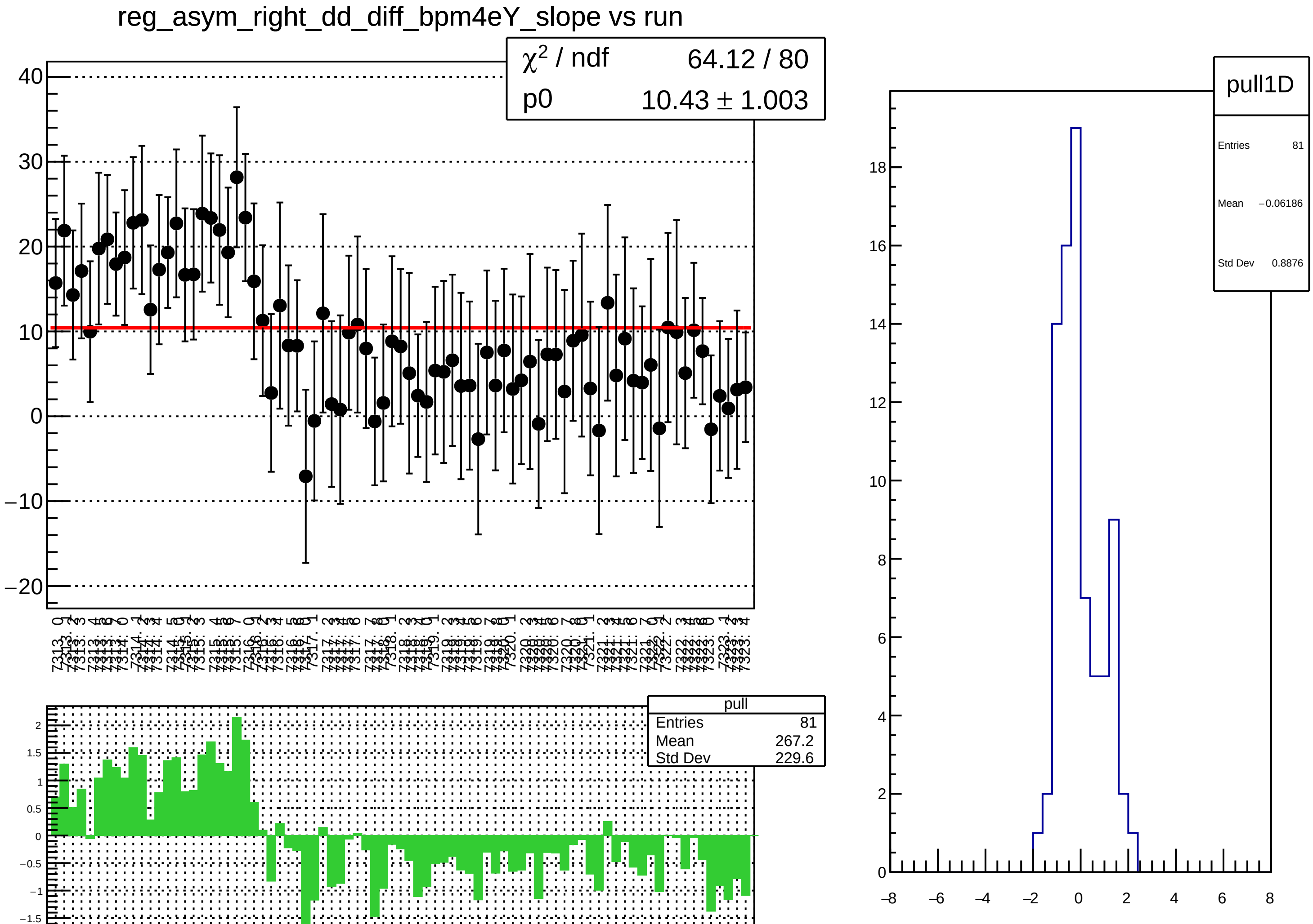
reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 183.8 / 80
p0 −22.26 ± 1.105
pull
Entries 81
Mean 127.1
Std Dev 87.04
pull1D
Entries 81
Mean −0.2797
Std Dev 1.48



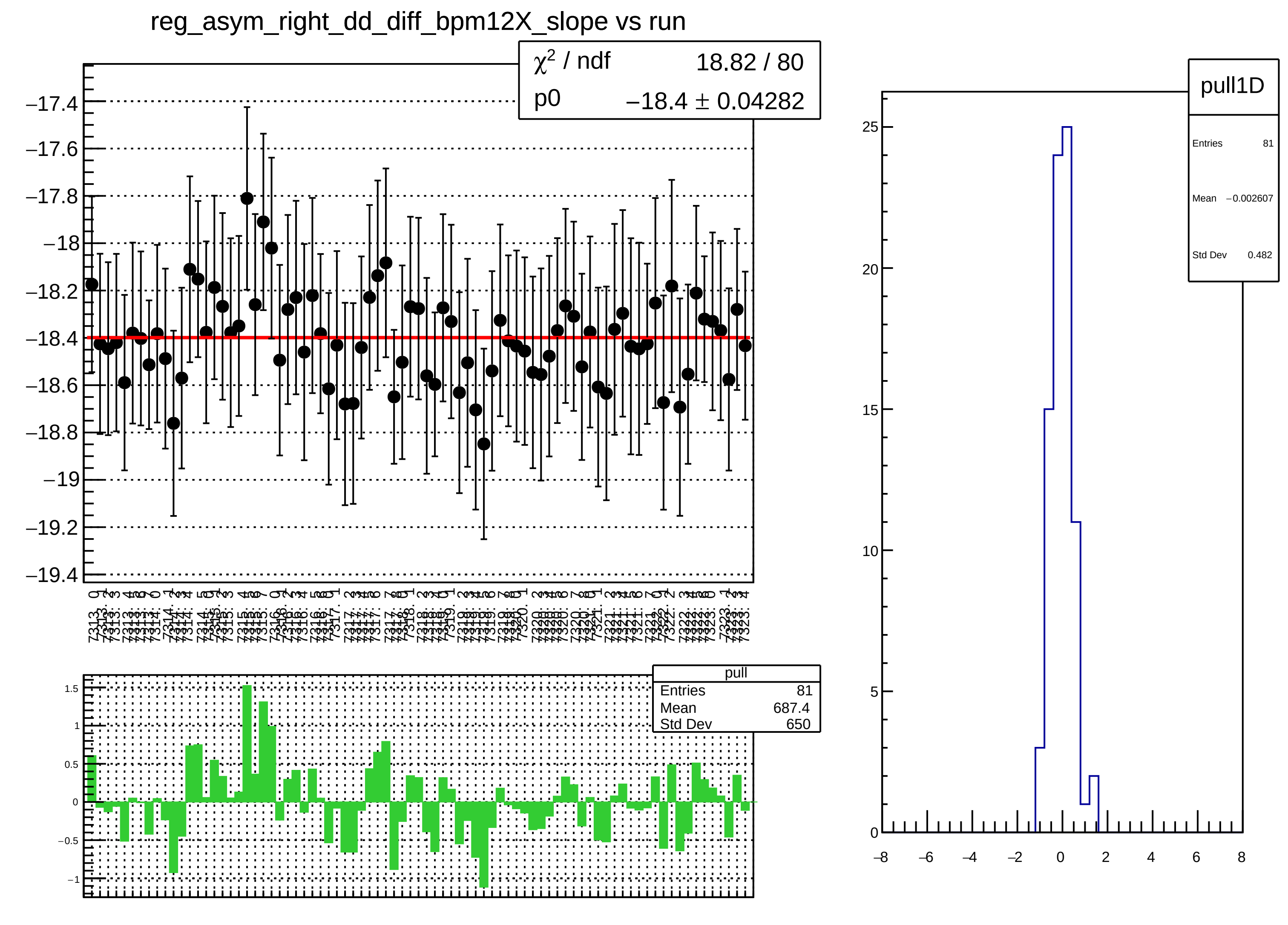
reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 59.21 / 80
p0 −1.691 ± 0.9238
pull
Entries 81
Mean 276.6
Std Dev 239.4
pull1D
Entries 81
Mean 0.05713
Std Dev 0.853

reg_asym_right_dd_diff_bpm4eX_slope vs run

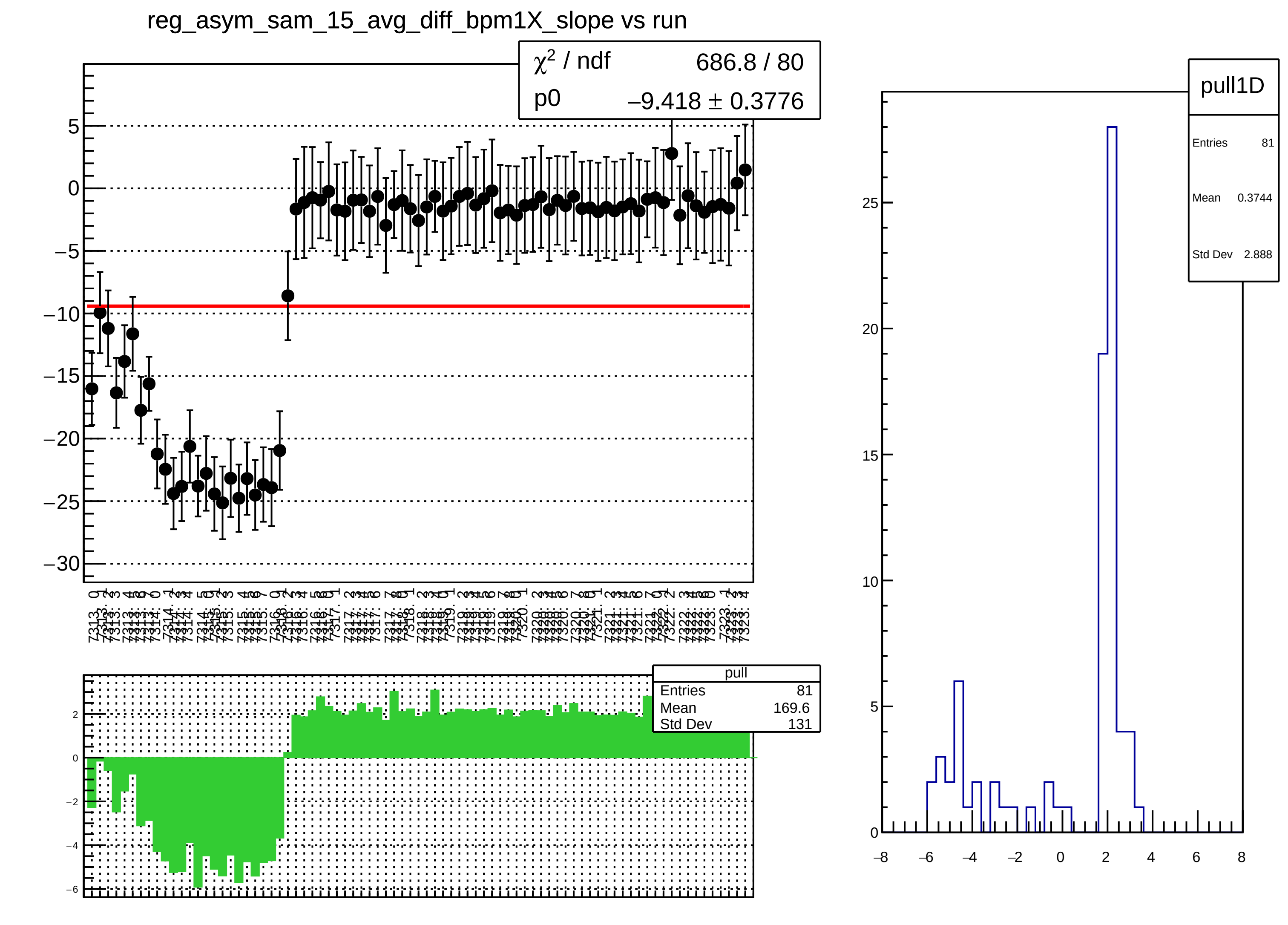




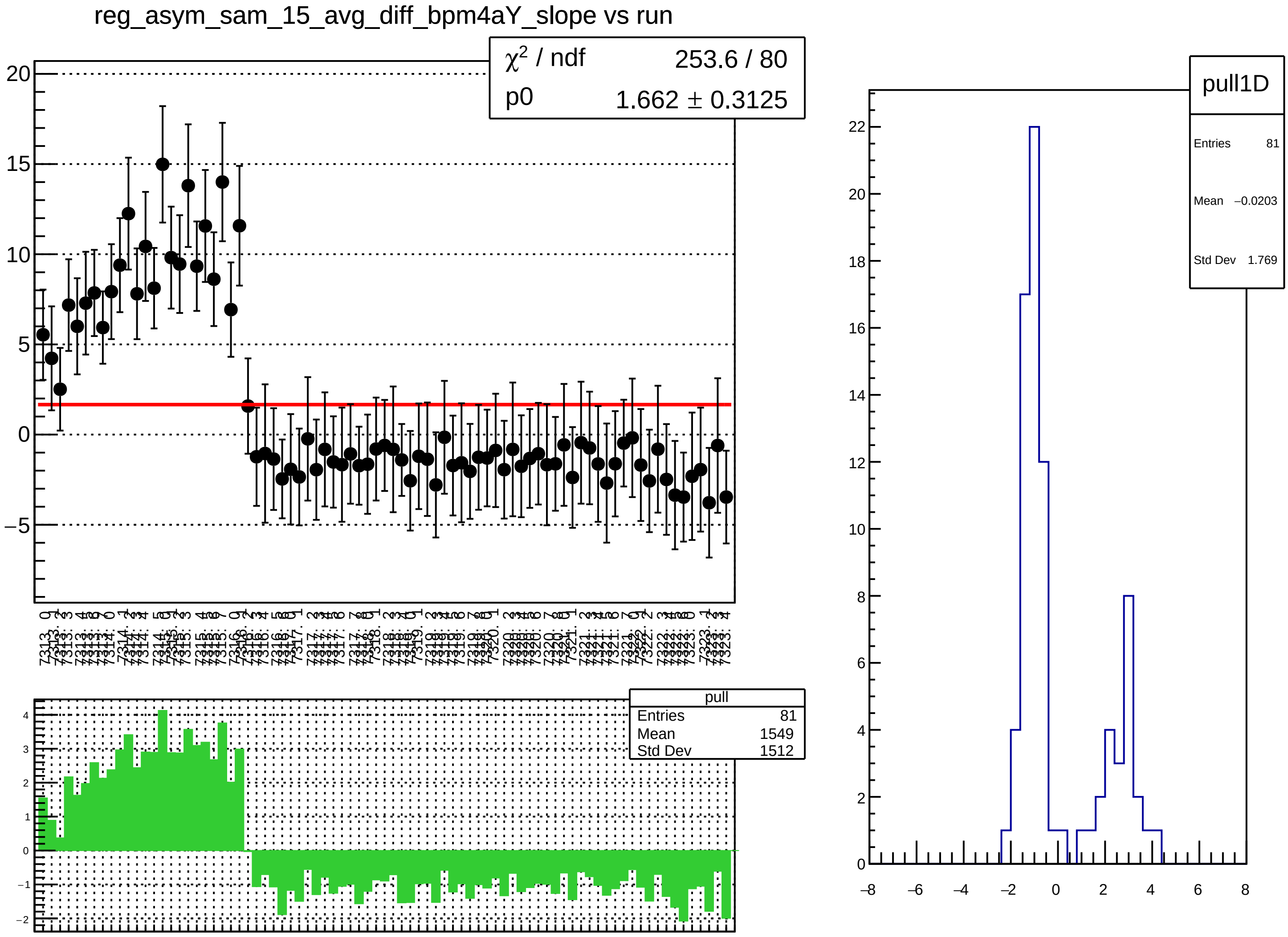
reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 64.12 / 80
p0 10.43 ± 1.003
pull
Entries 81
Mean 267.2
Std Dev 229.6
pull1D
Entries 81
Mean −0.06186
Std Dev 0.8876



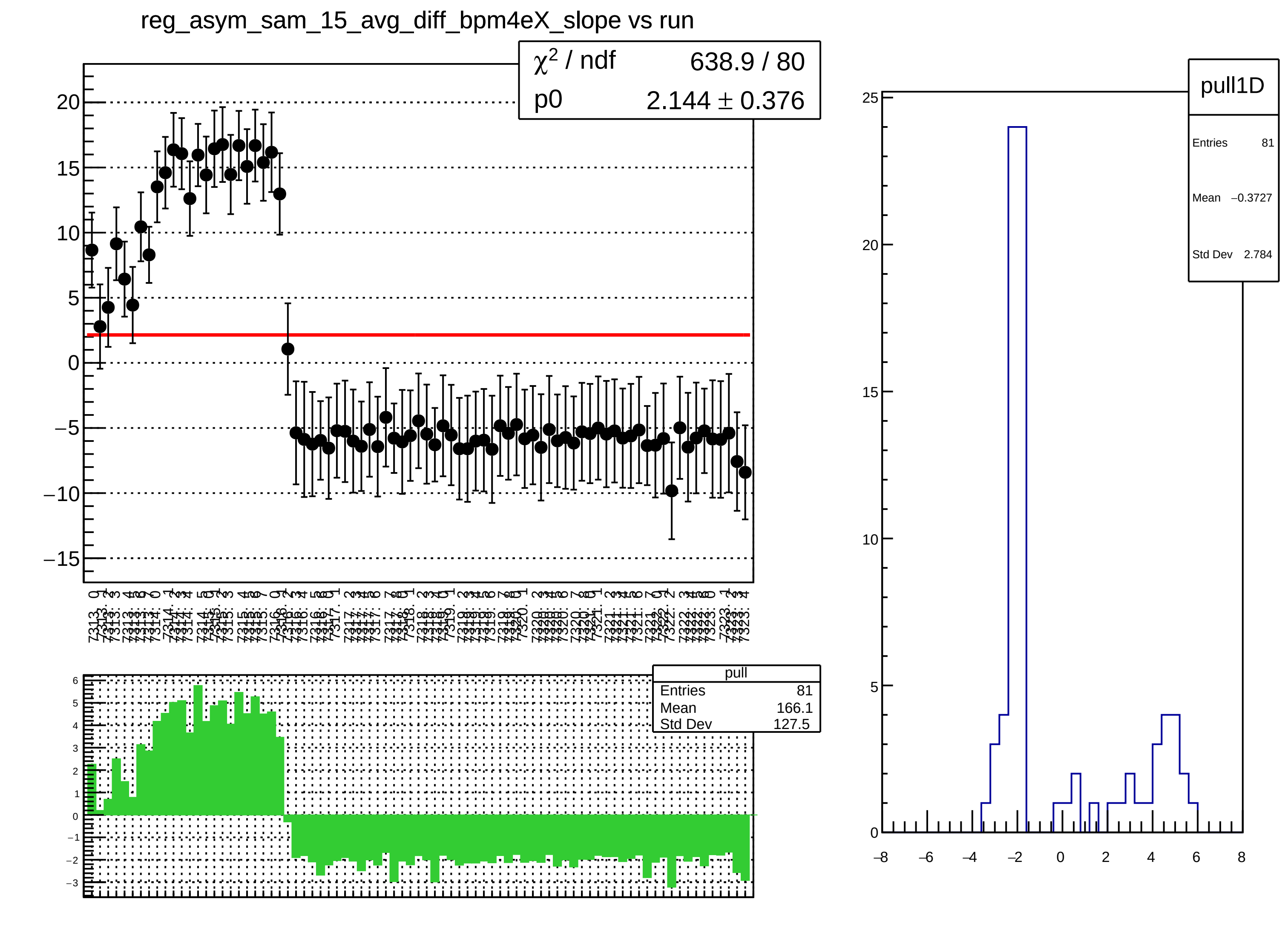
reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 18.82 / 80
p0 −18.4 ± 0.04282
pull
Entries 81
Mean 687.4
Std Dev 650
pull1D
Entries 81
Mean −0.002607
Std Dev 0.482



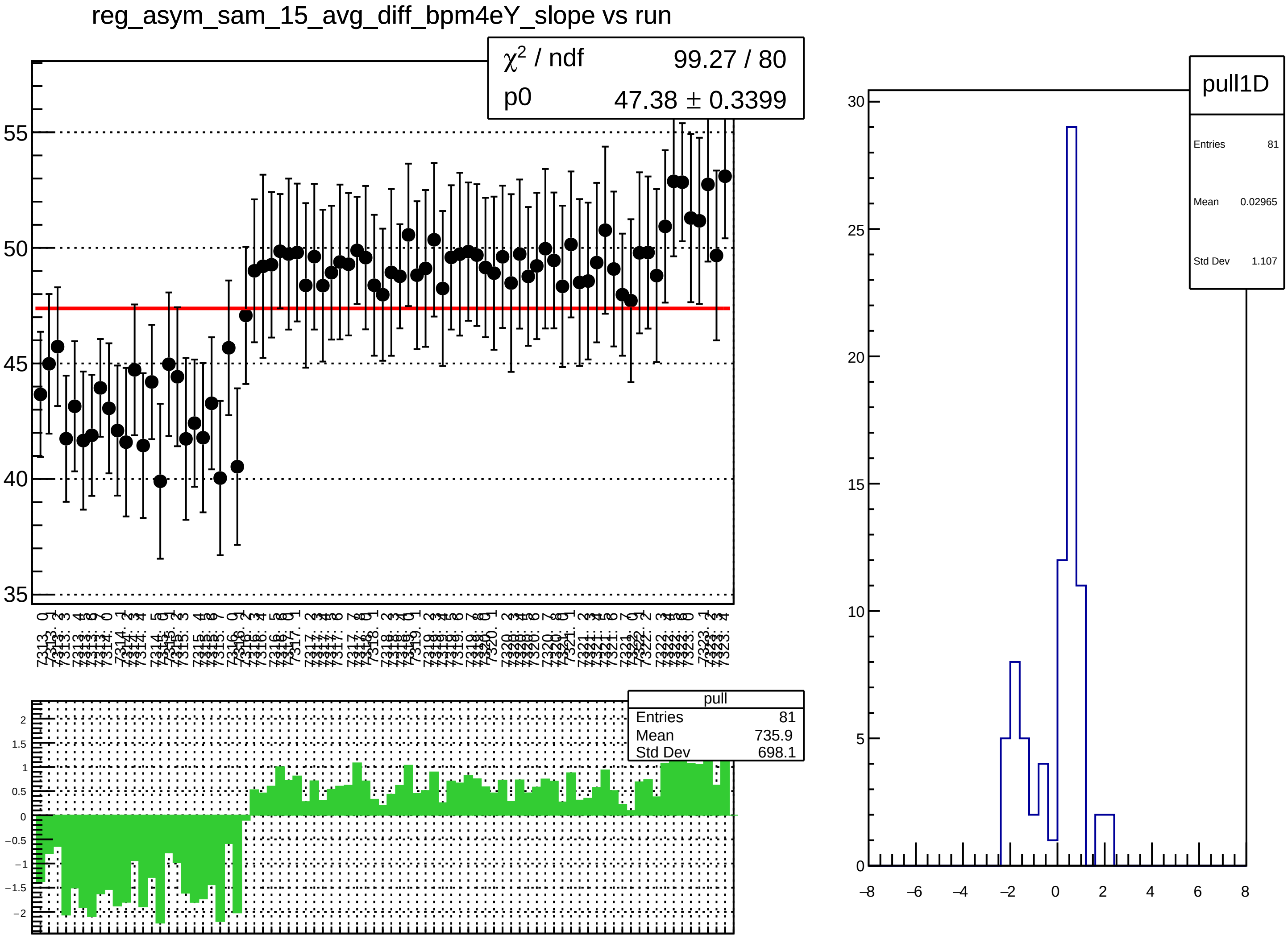
reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 686.8 / 80
p0 −9.418 ± 0.3776
pull
Entries 81
Mean 169.6
Std Dev 131
pull1D
Entries 81
Mean 0.3744
Std Dev 2.888



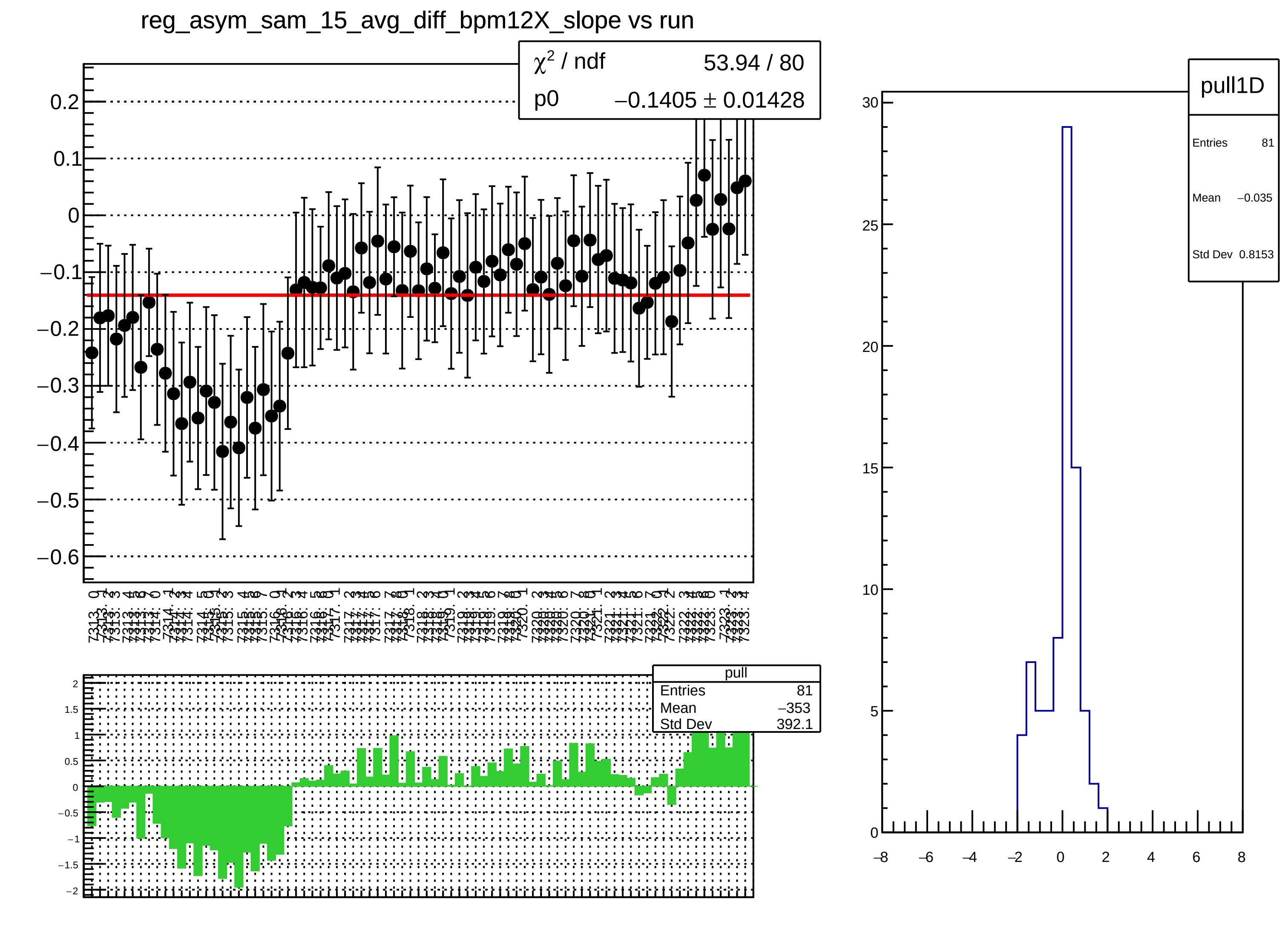
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 253.6 / 80
p0 1.662 ± 0.3125
pull
Entries 81
Mean 1549
Std Dev 1512
pull1D
Entries 81
Mean −0.0203
Std Dev 1.769



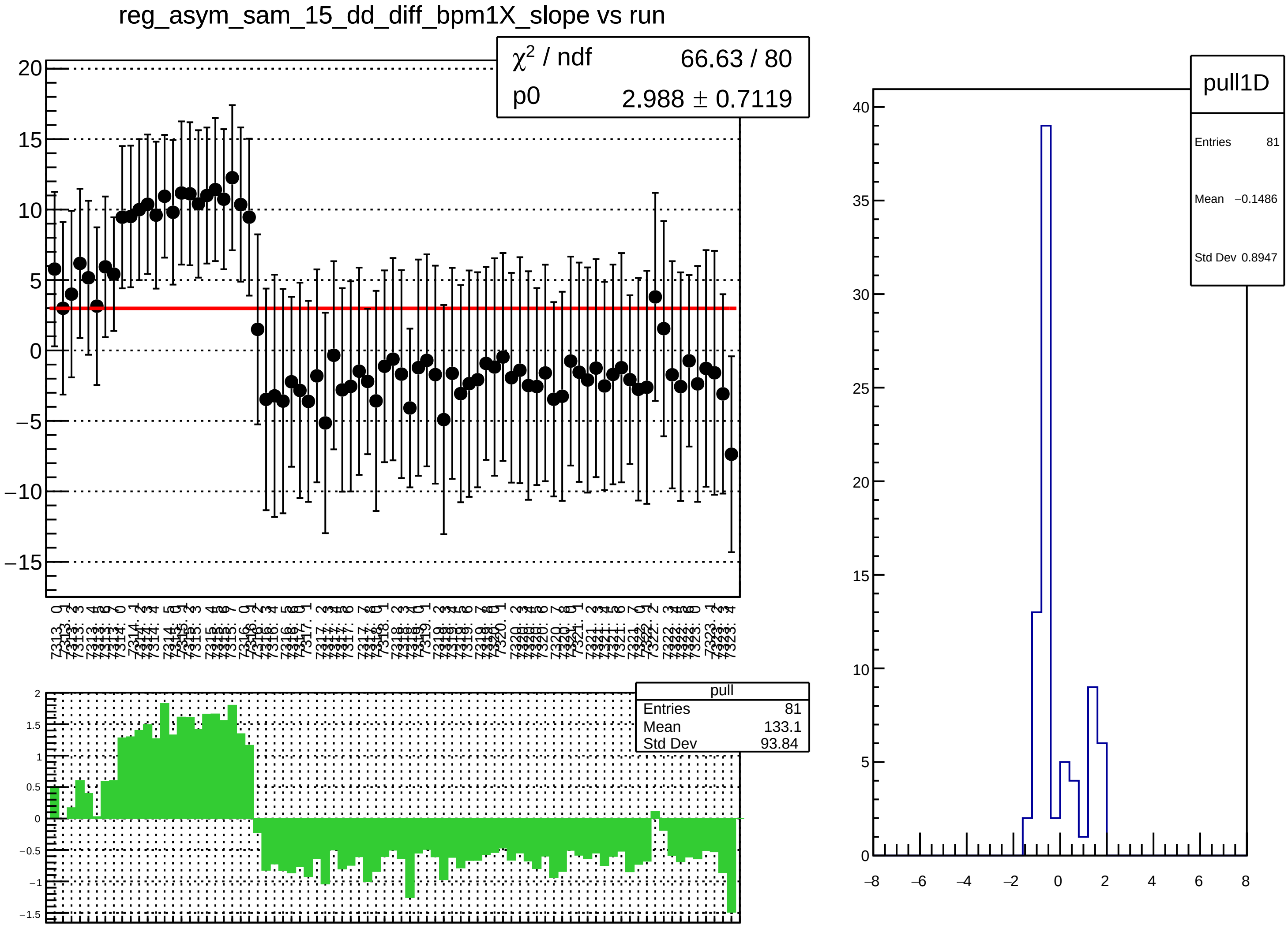
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 638.9 / 80
p0 2.144 ± 0.376
pull
Entries 81
Mean 166.1
Std Dev 127.5
pull1D
Entries 81
Mean −0.3727
Std Dev 2.784

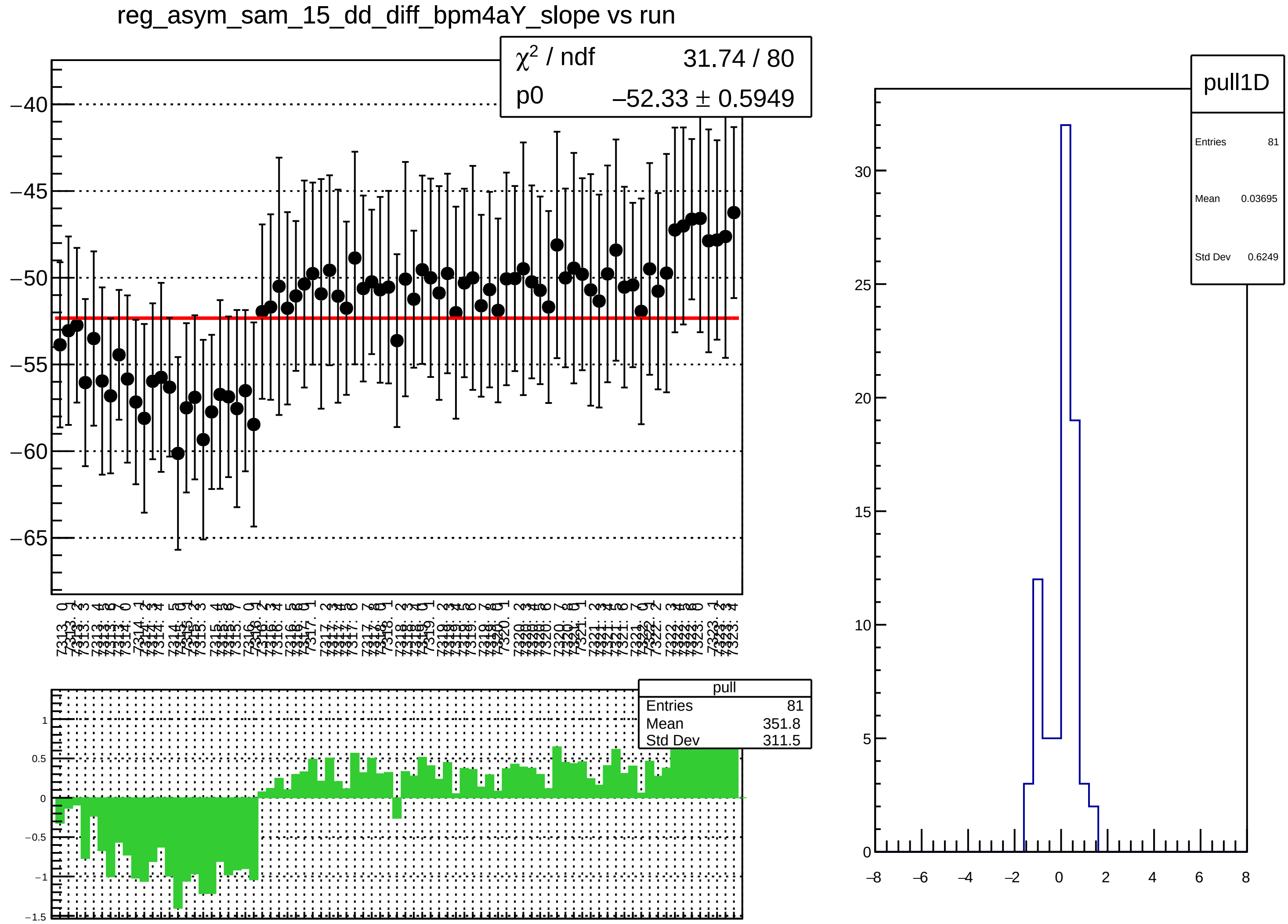


reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 99.27 / 80
p0 47.38 ± 0.3399
pull
Entries 81
Mean 735.9
Std Dev 698.1
pull1D
Entries 81
Mean 0.02965
Std Dev 1.107

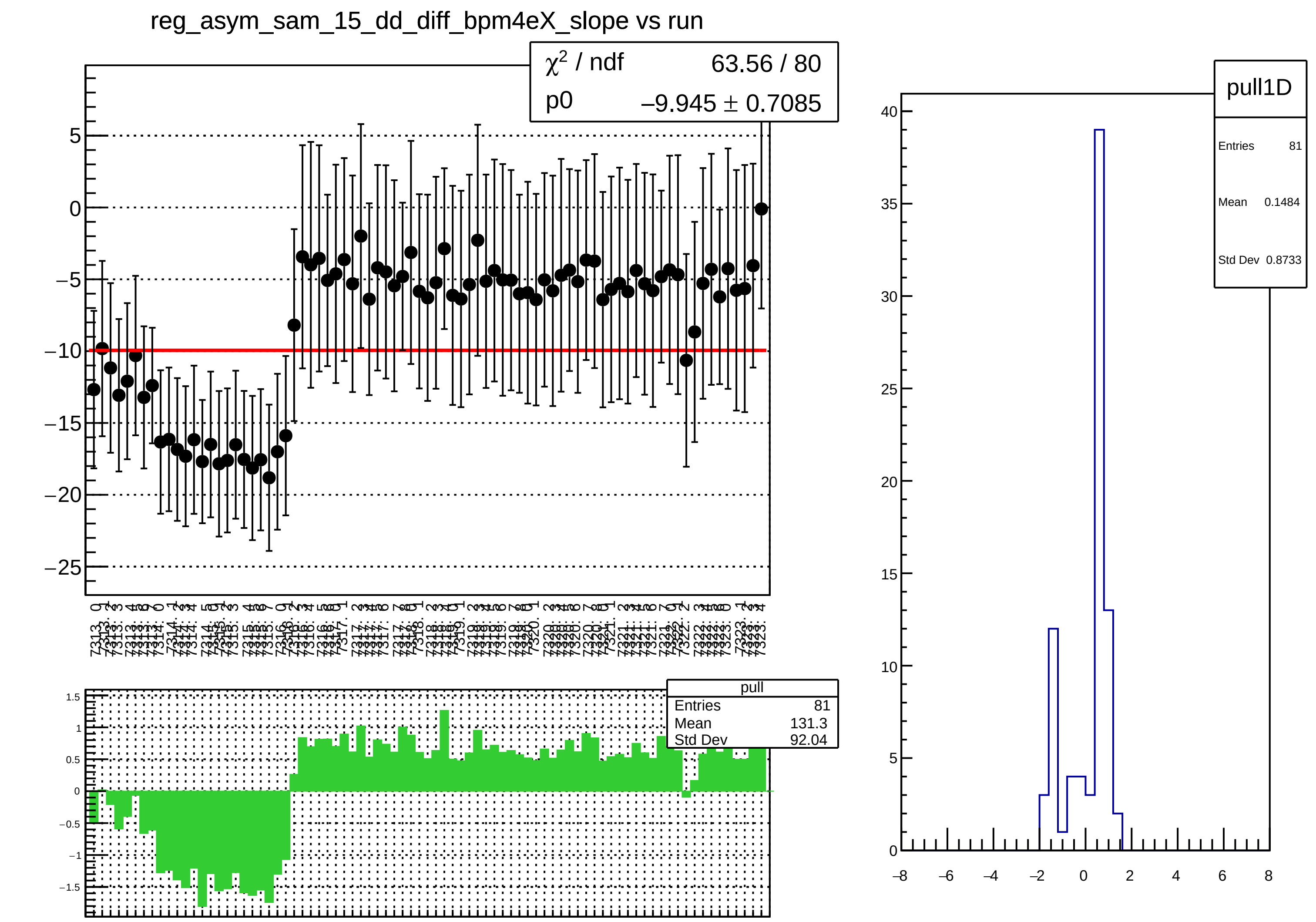


reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 53.94 / 80
p0 −0.1405 ± 0.01428
pull
Entries 81
Mean −353
Std Dev 392.1
pull1D
Entries 81
Mean −0.035
Std Dev 0.8153

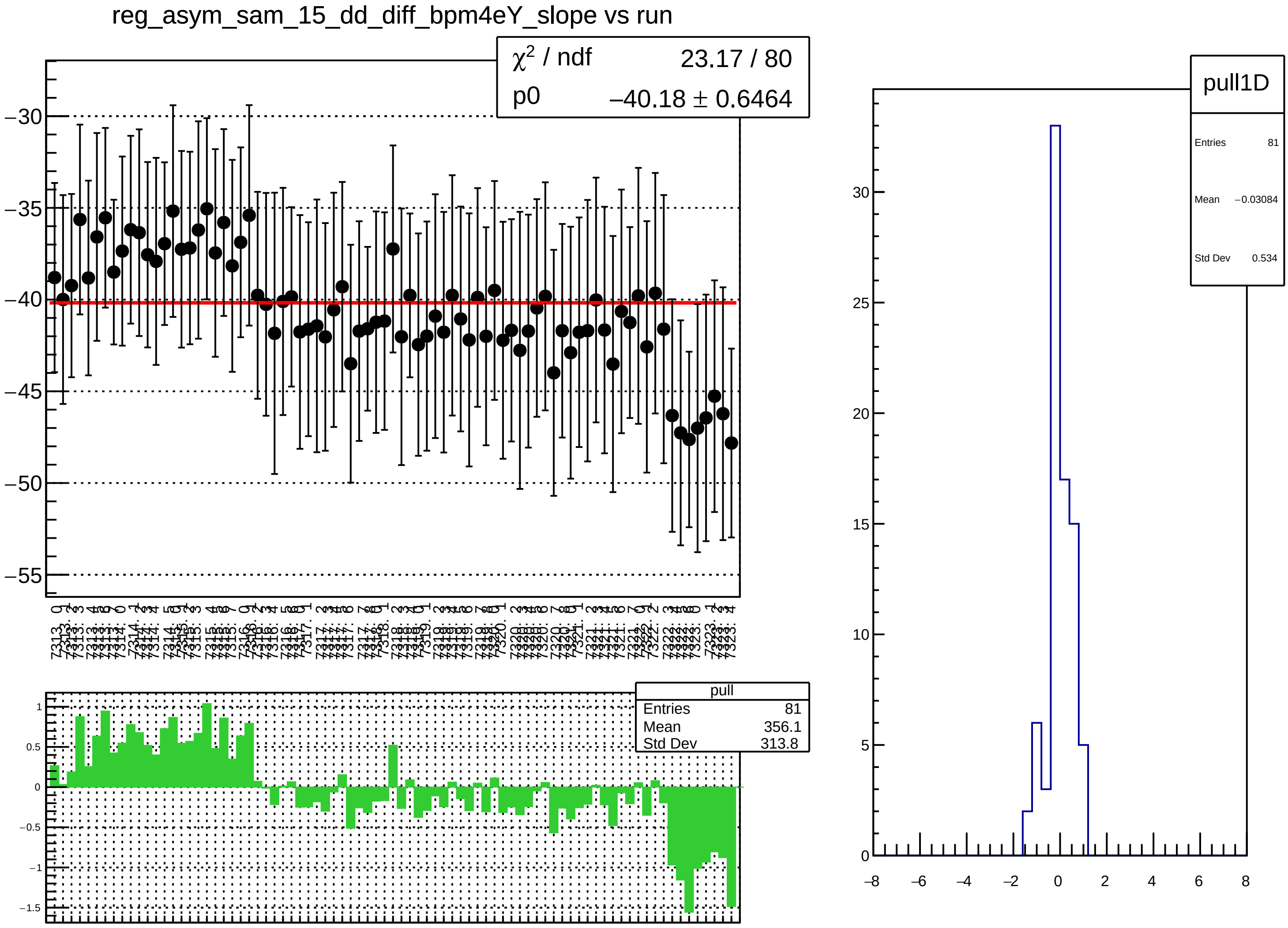

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 66.63 / 80
p0 2.988 ± 0.7119
pull
Entries 81
Mean 133.1
Std Dev 93.84
pull1D
Entries 81
Mean −0.1486
Std Dev 0.8947



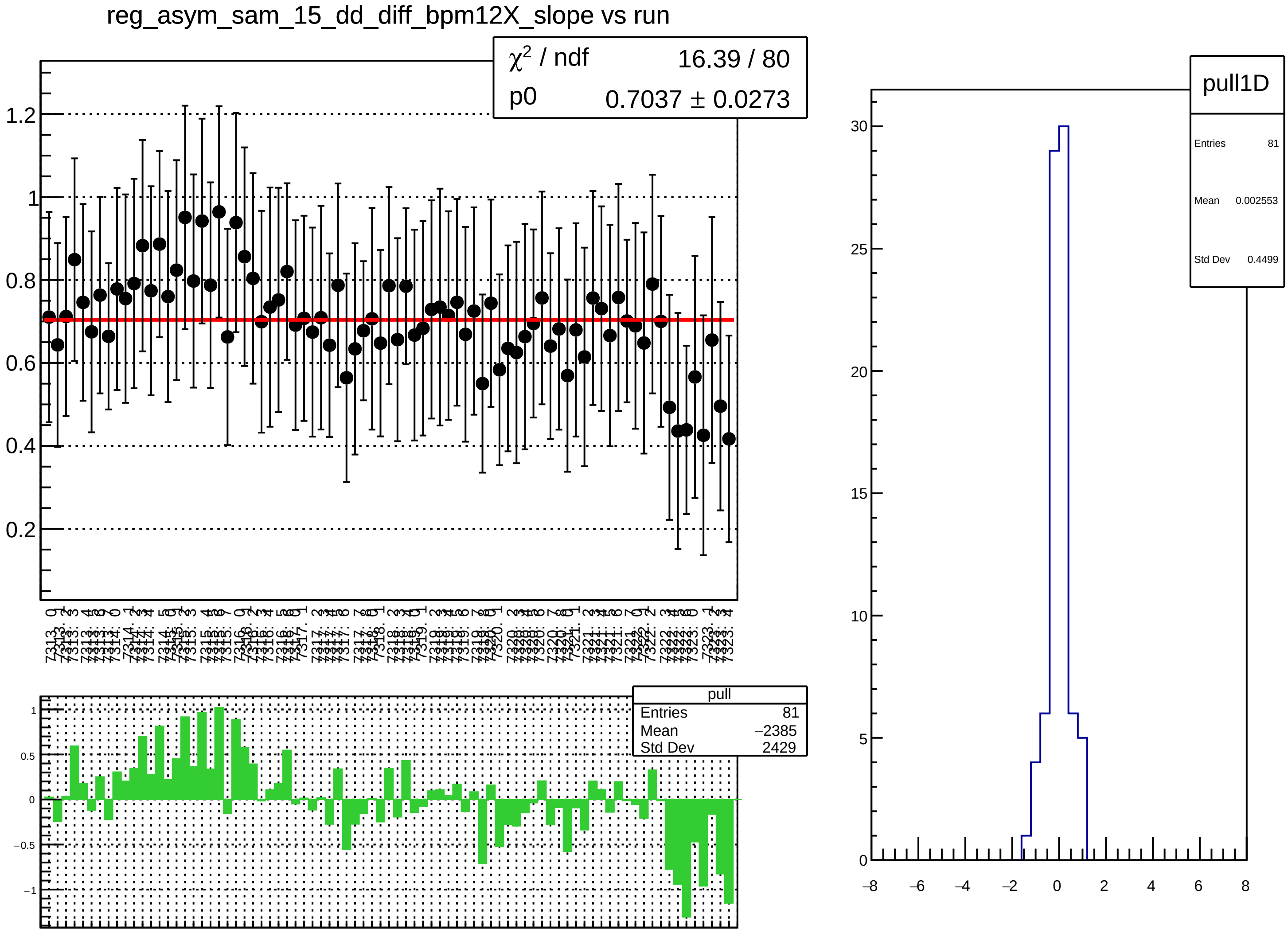
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 31.74 / 80
p0 −52.33 ± 0.5949
−40
−45
−50
−55
−60
−65
pull
Entries 81
Mean 351.8
Std Dev 311.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean 0.03695
Std Dev 0.6249
30
25
20
15
10
5
0
−8 −6 −4 −2 0 2 4 6 8



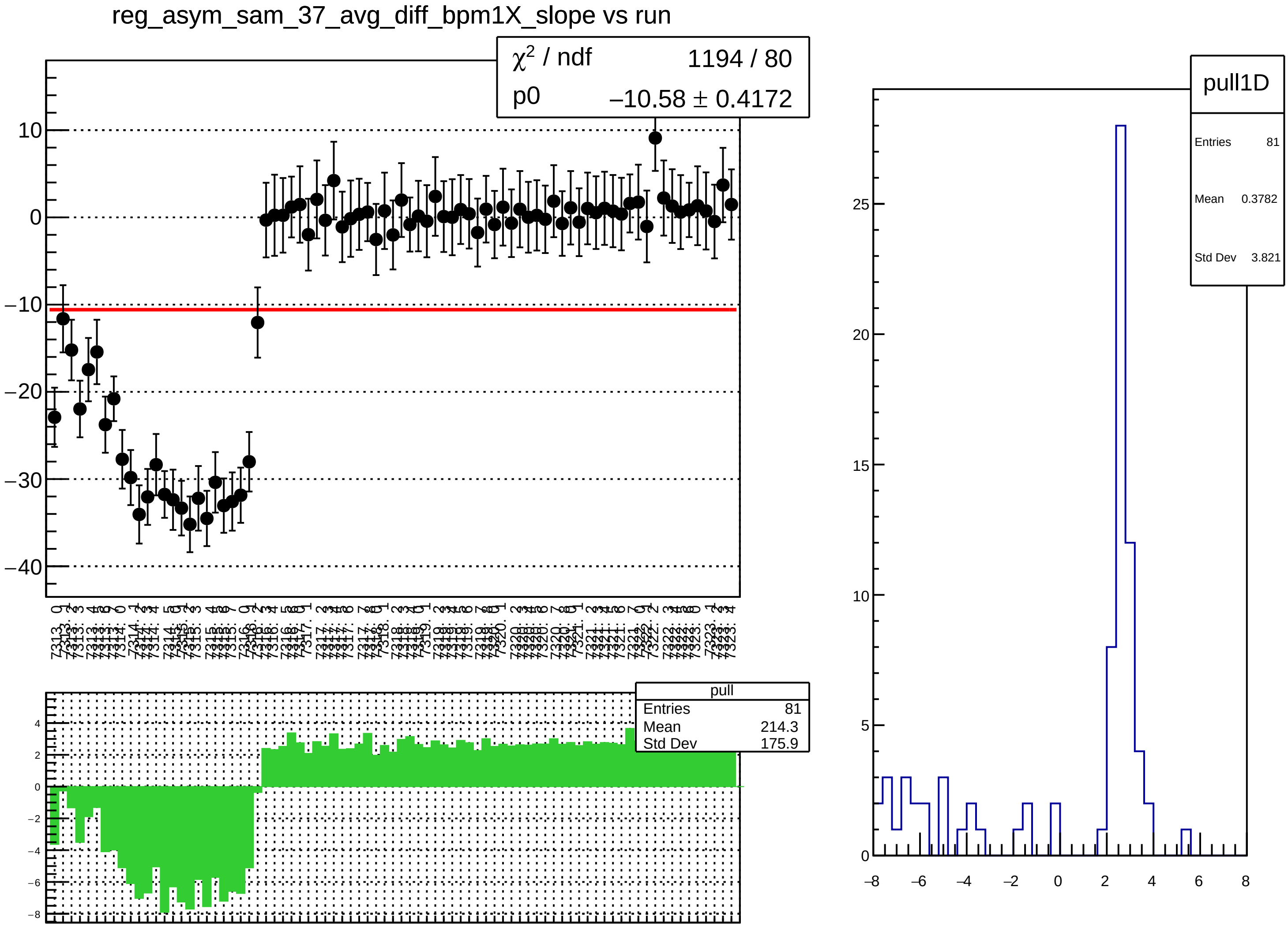
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 63.56 / 80
p0 −9.945 ± 0.7085
pull
Entries 81
Mean 131.3
Std Dev 92.04
pull1D
Entries 81
Mean 0.1484
Std Dev 0.8733



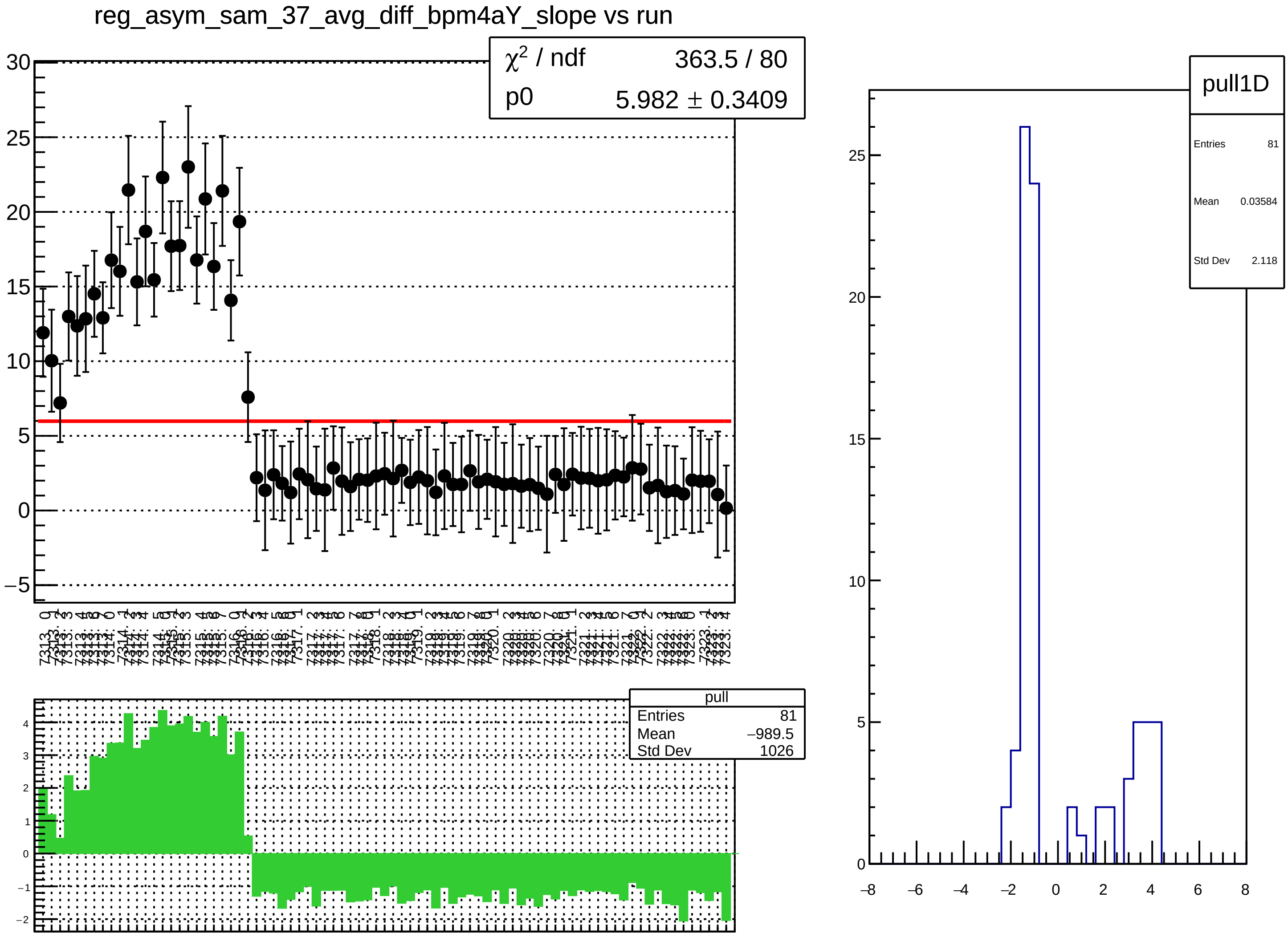
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ2 / ndf 23.17 / 80
p0 −40.18 ± 0.6464
−30
−35
−40
−45
−50
−55
pull
Entries 81
Mean 356.1
Std Dev 313.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.03084
Std Dev 0.534
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



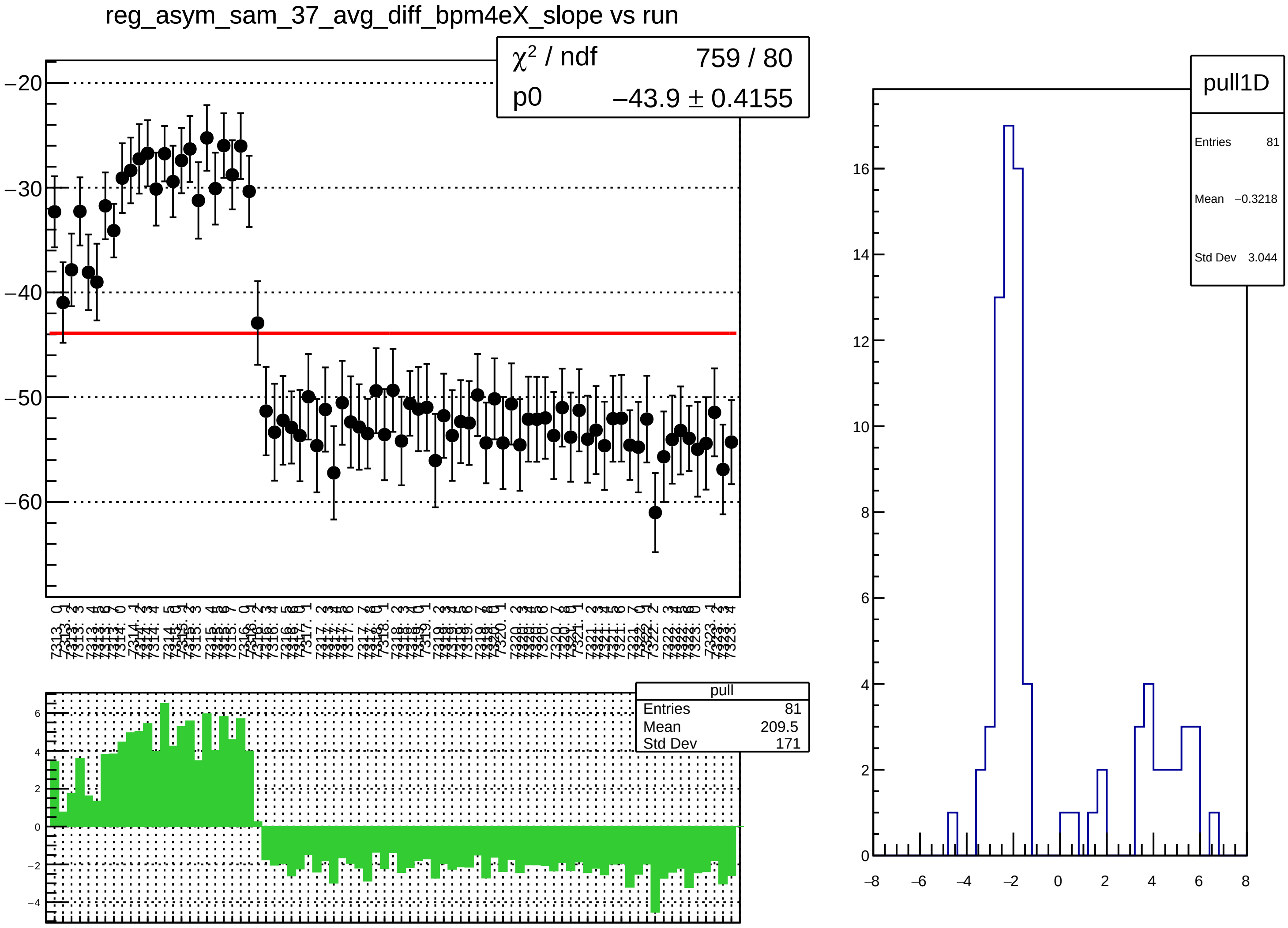
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ2 / ndf 16.39 / 80
p0 0.7037 ± 0.0273
pull
Entries 81
Mean −2385
Std Dev 2429
pull1D
Entries 81
Mean 0.002553
Std Dev 0.4499



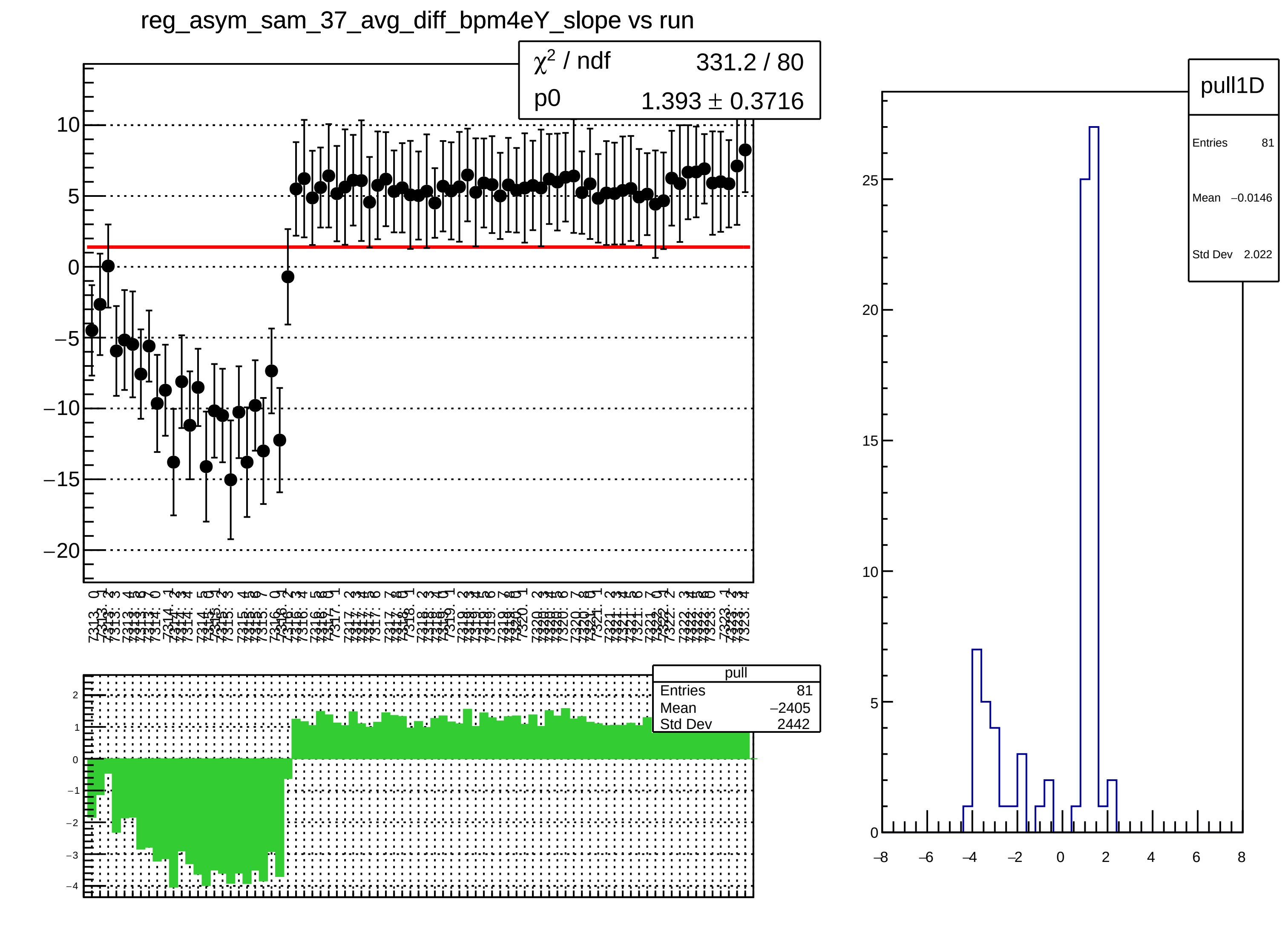
reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1194 / 80
p0 −10.58 ± 0.4172
pull
Entries 81
Mean 214.3
Std Dev 175.9
pull1D
Entries 81
Mean 0.3782
Std Dev 3.821



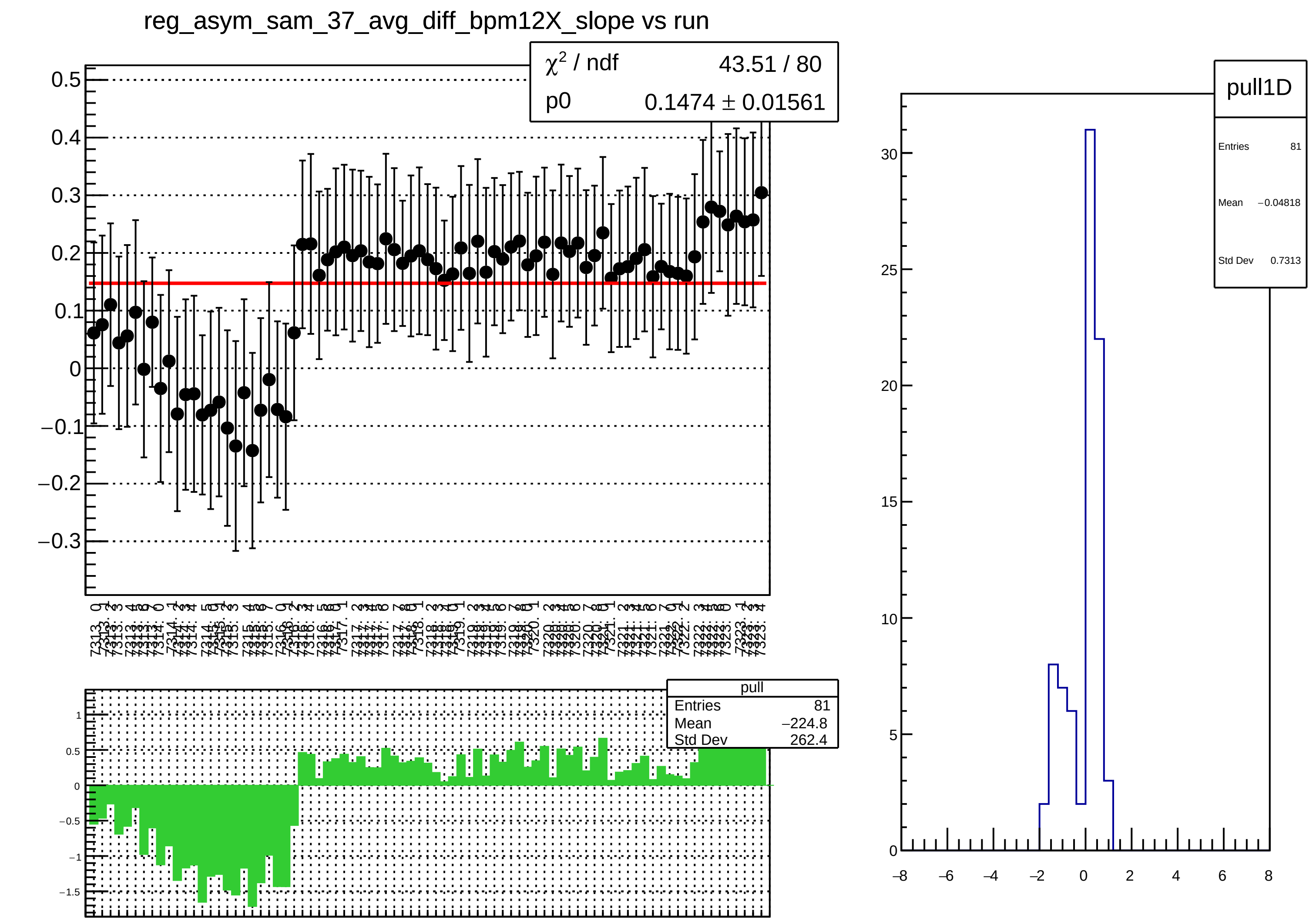
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 363.5 / 80
p0 5.982 ± 0.3409
pull
Entries 81
Mean −989.5
Std Dev 1026
pull1D
Entries 81
Mean 0.03584
Std Dev 2.118

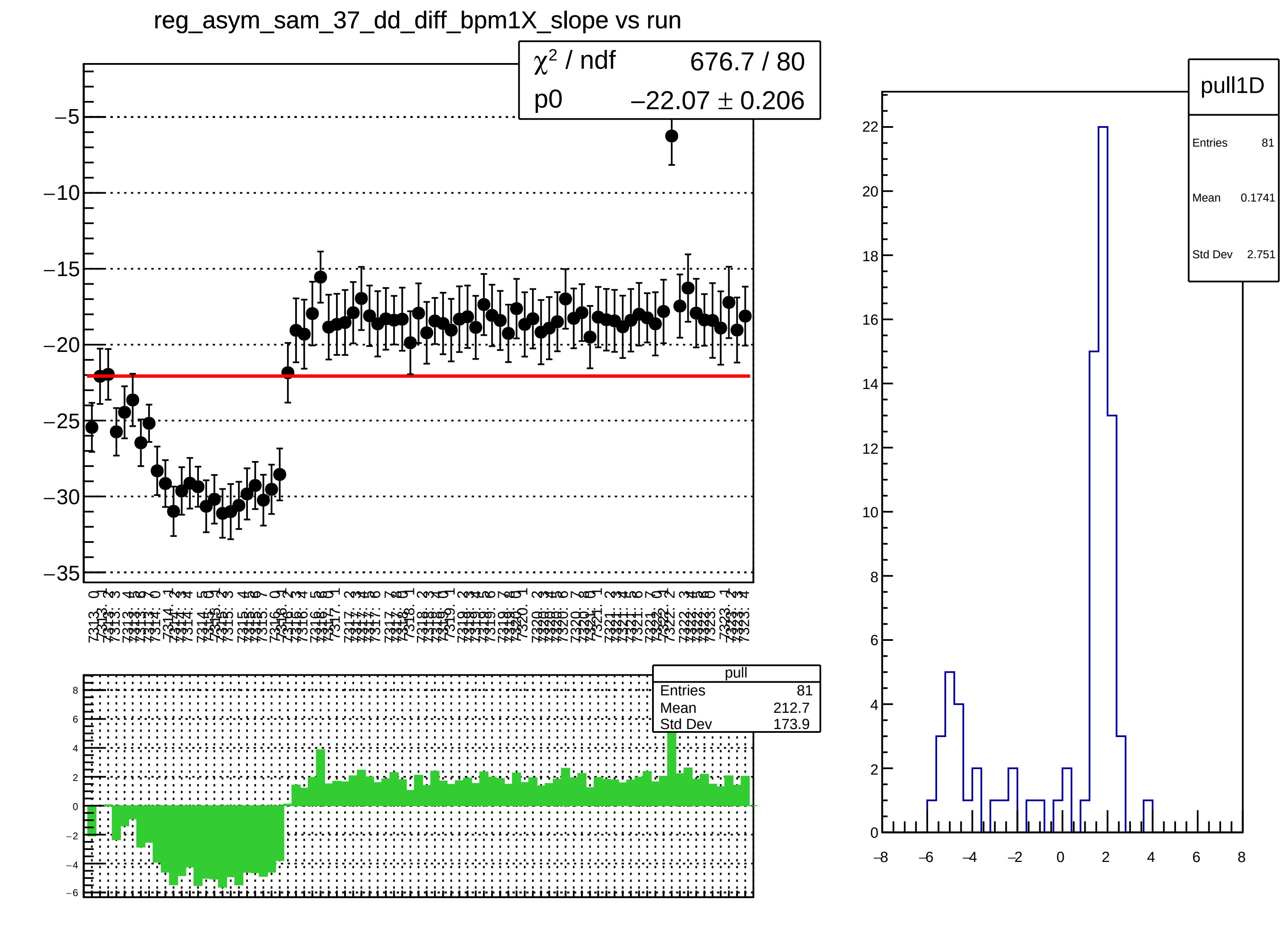


reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 759 / 80
p0 −43.9 ± 0.4155
pull
Entries 81
Mean 209.5
Std Dev 171
pull1D
Entries 81
Mean −0.3218
Std Dev 3.044

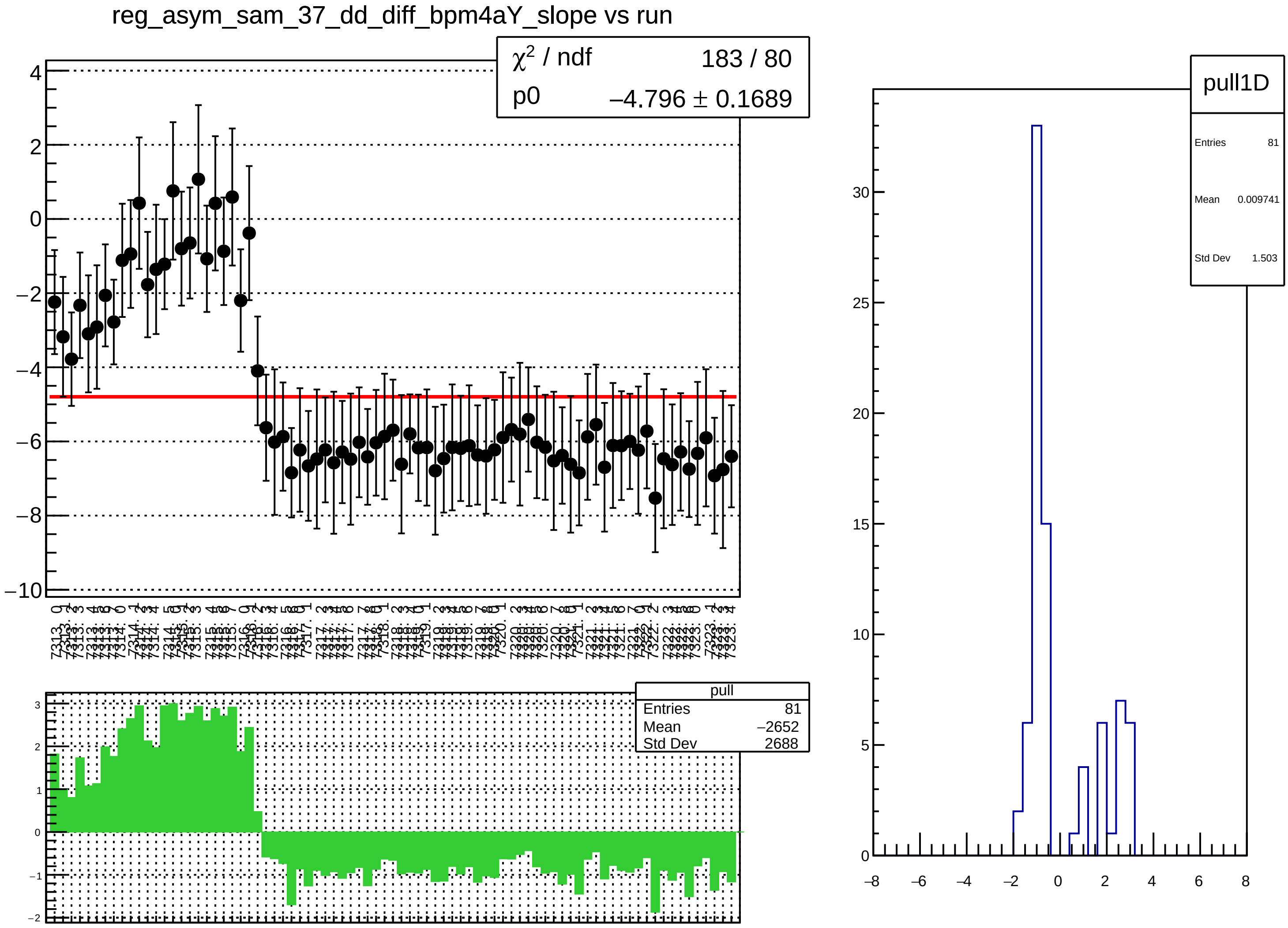


reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 331.2 / 80
p0 1.393 ± 0.3716
pull
Entries 81
Mean −2405
Std Dev 2442
pull1D
Entries 81
Mean −0.0146
Std Dev 2.022


reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ2 / ndf 43.51 / 80
p0 0.1474 ± 0.01561
pull
Entries 81
Mean −224.8
Std Dev 262.4
pull1D
Entries 81
Mean −0.04818
Std Dev 0.7313

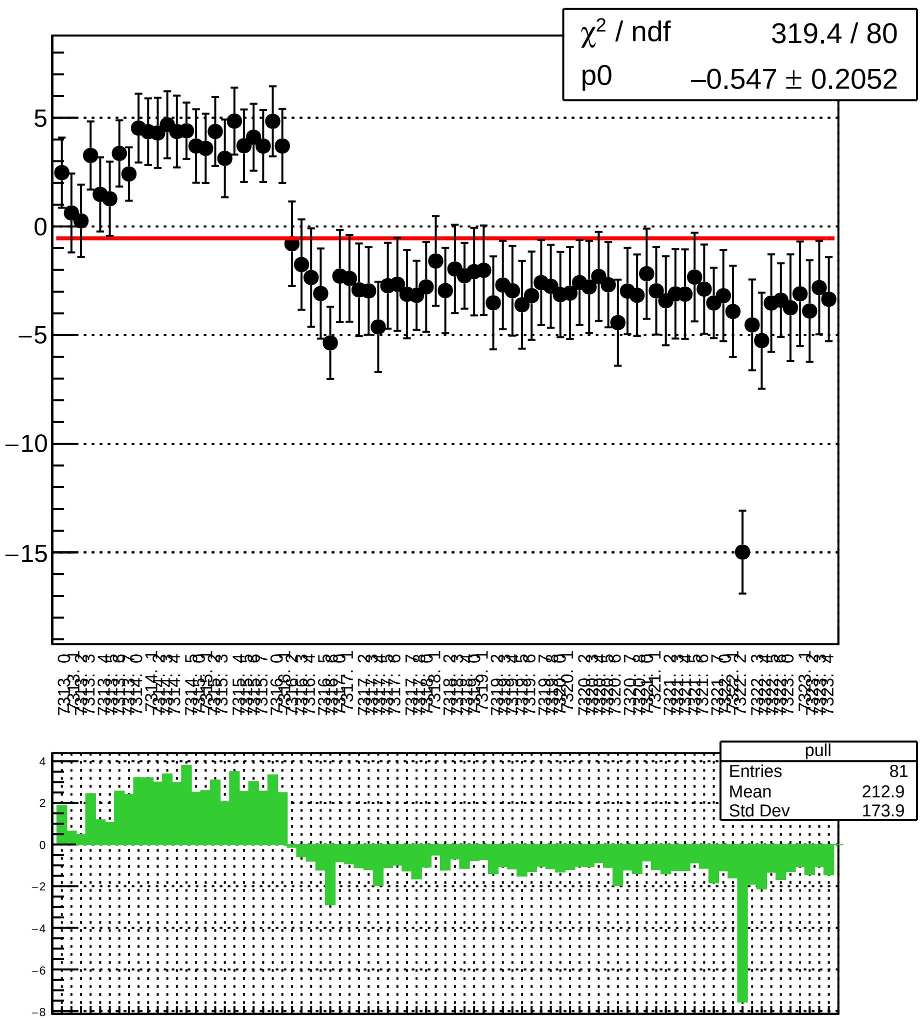


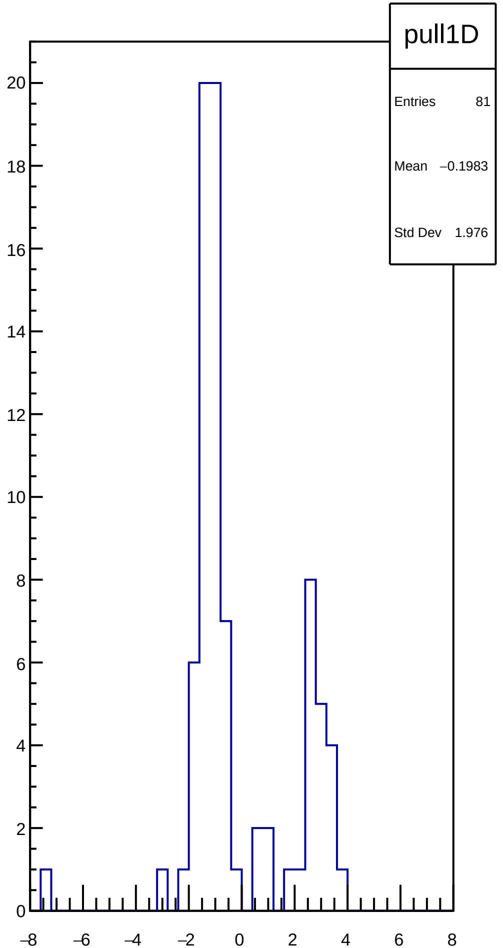
reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 676.7 / 80
p0 −22.07 ± 0.206
pull
Entries 81
Mean 212.7
Std Dev 173.9
pull1D
Entries 81
Mean 0.1741
Std Dev 2.751

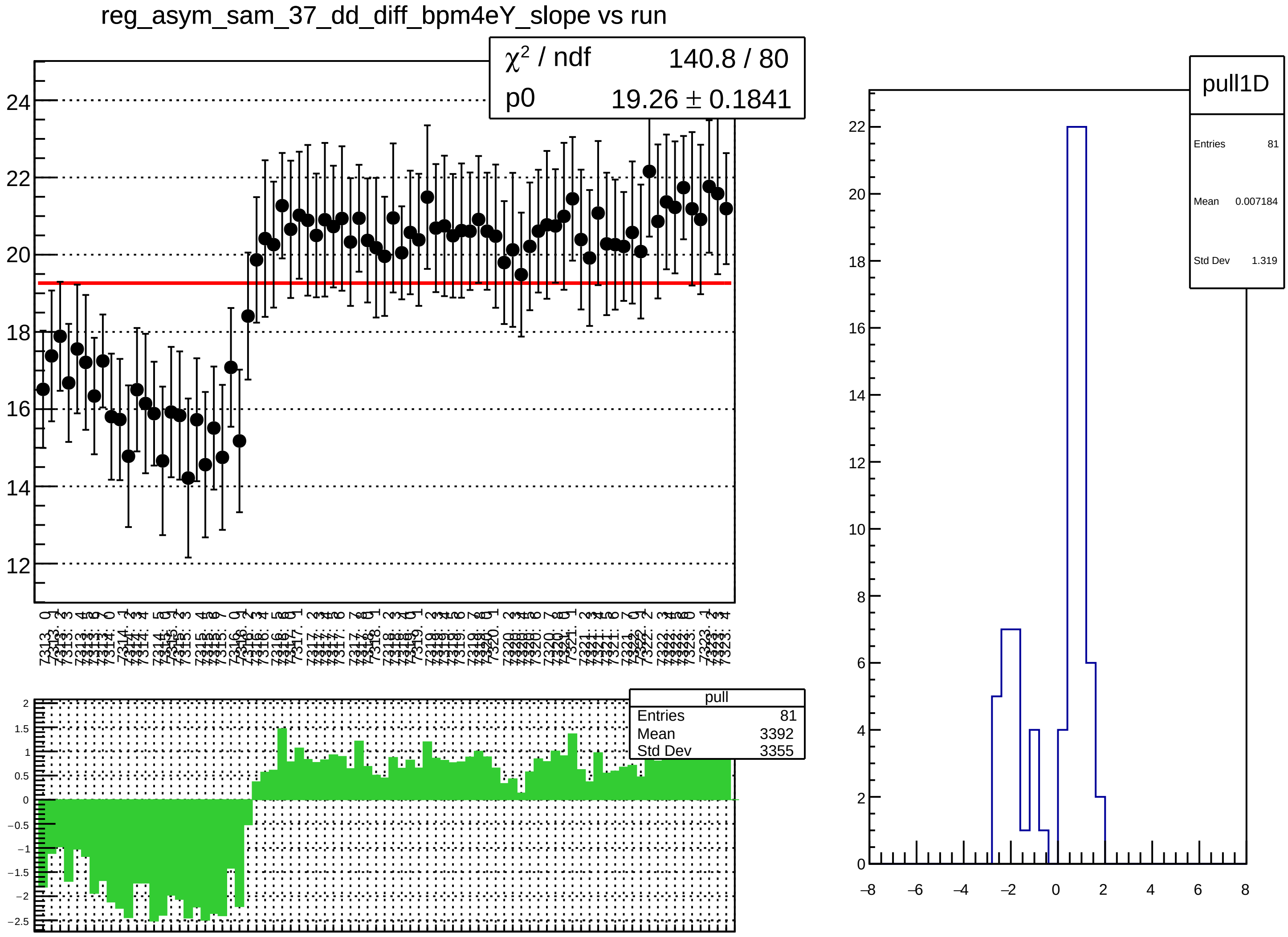


reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 183 / 80
p0 −4.796 ± 0.1689
pull
Entries 81
Mean −2652
Std Dev 2688
pull1D
Entries 81
Mean 0.009741
Std Dev 1.503

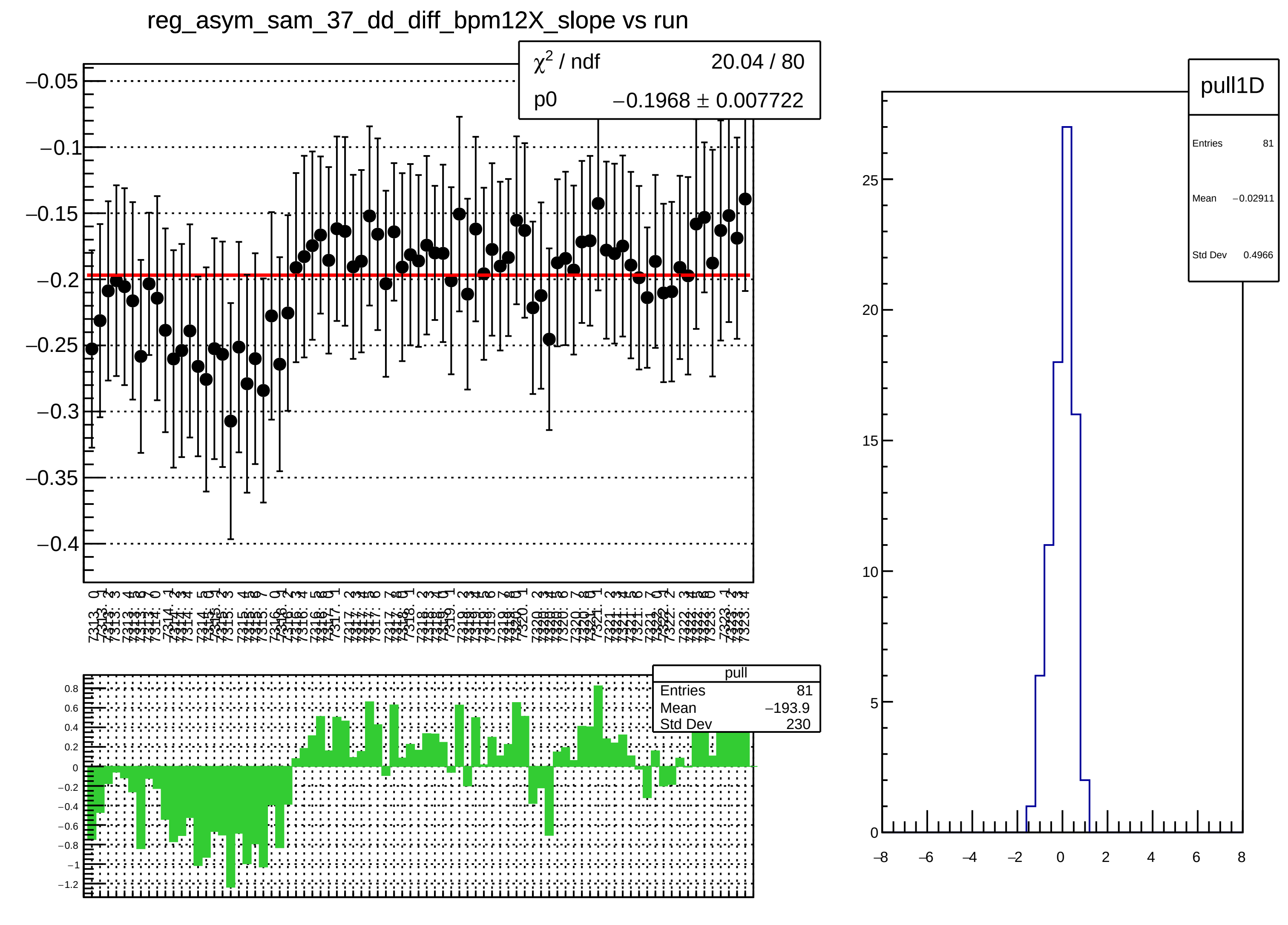
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run



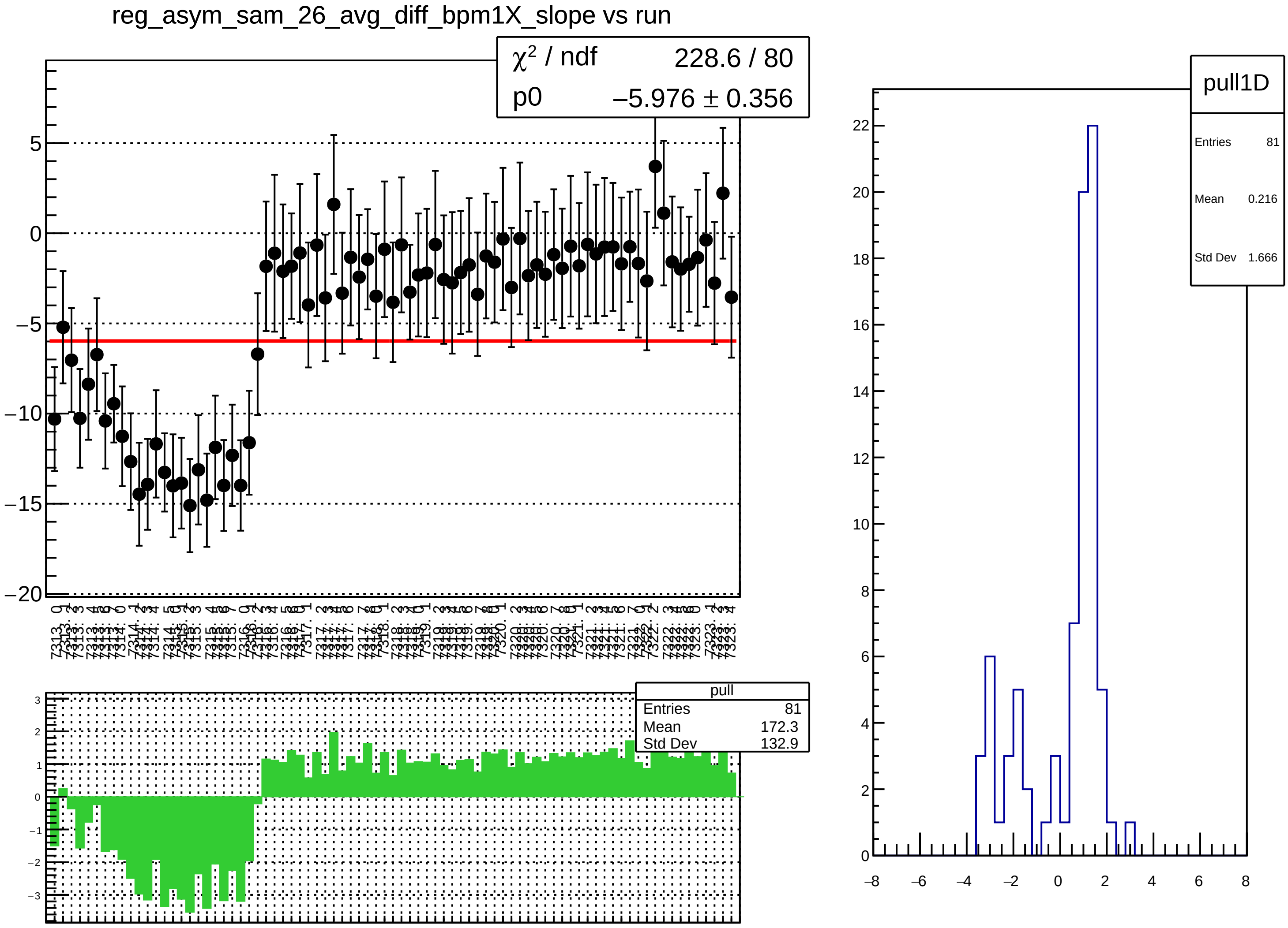




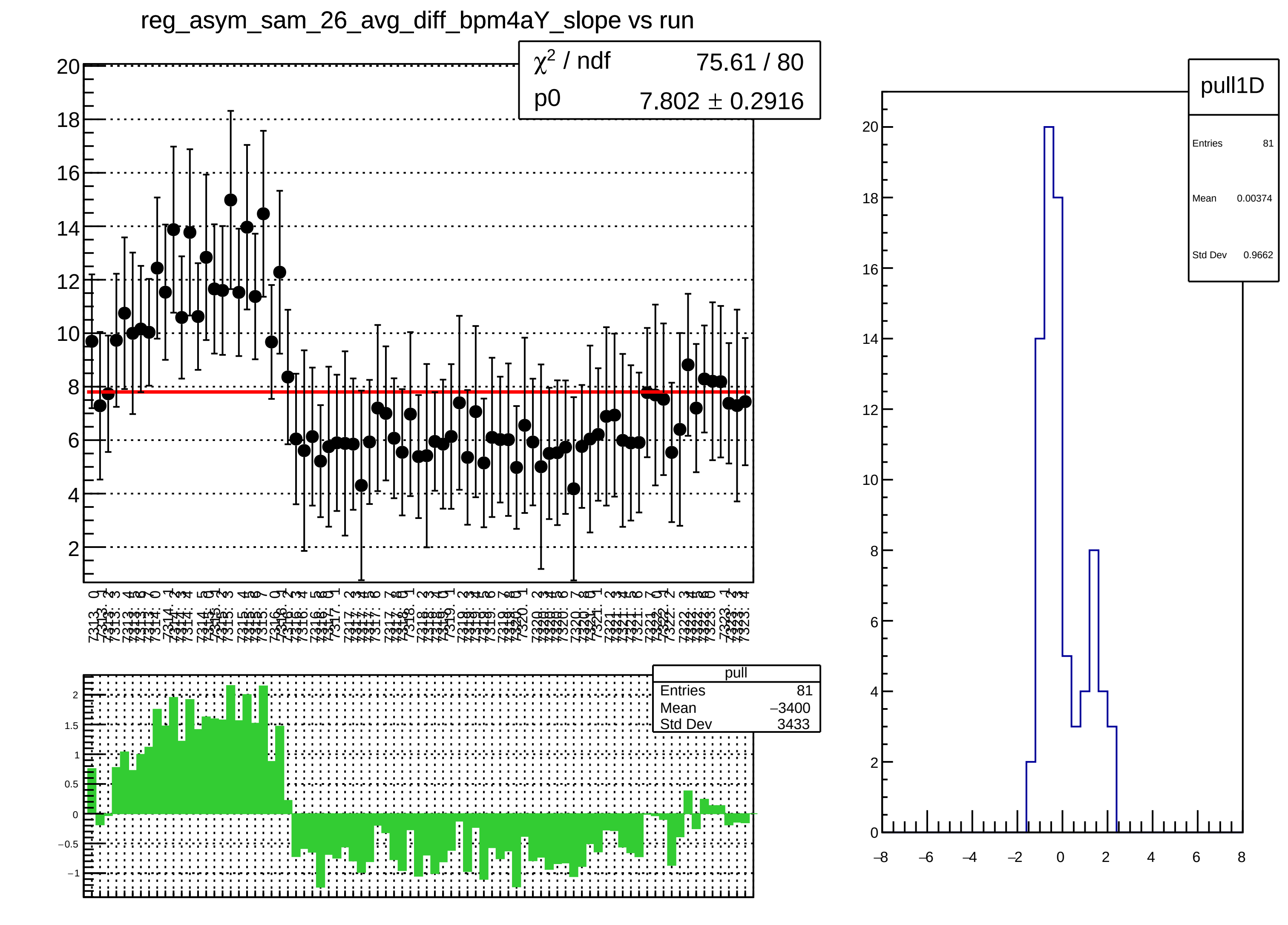
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 140.8 / 80
p0 19.26 ± 0.1841
pull
Entries 81
Mean 3392
Std Dev 3355
pull1D
Entries 81
Mean 0.007184
Std Dev 1.319



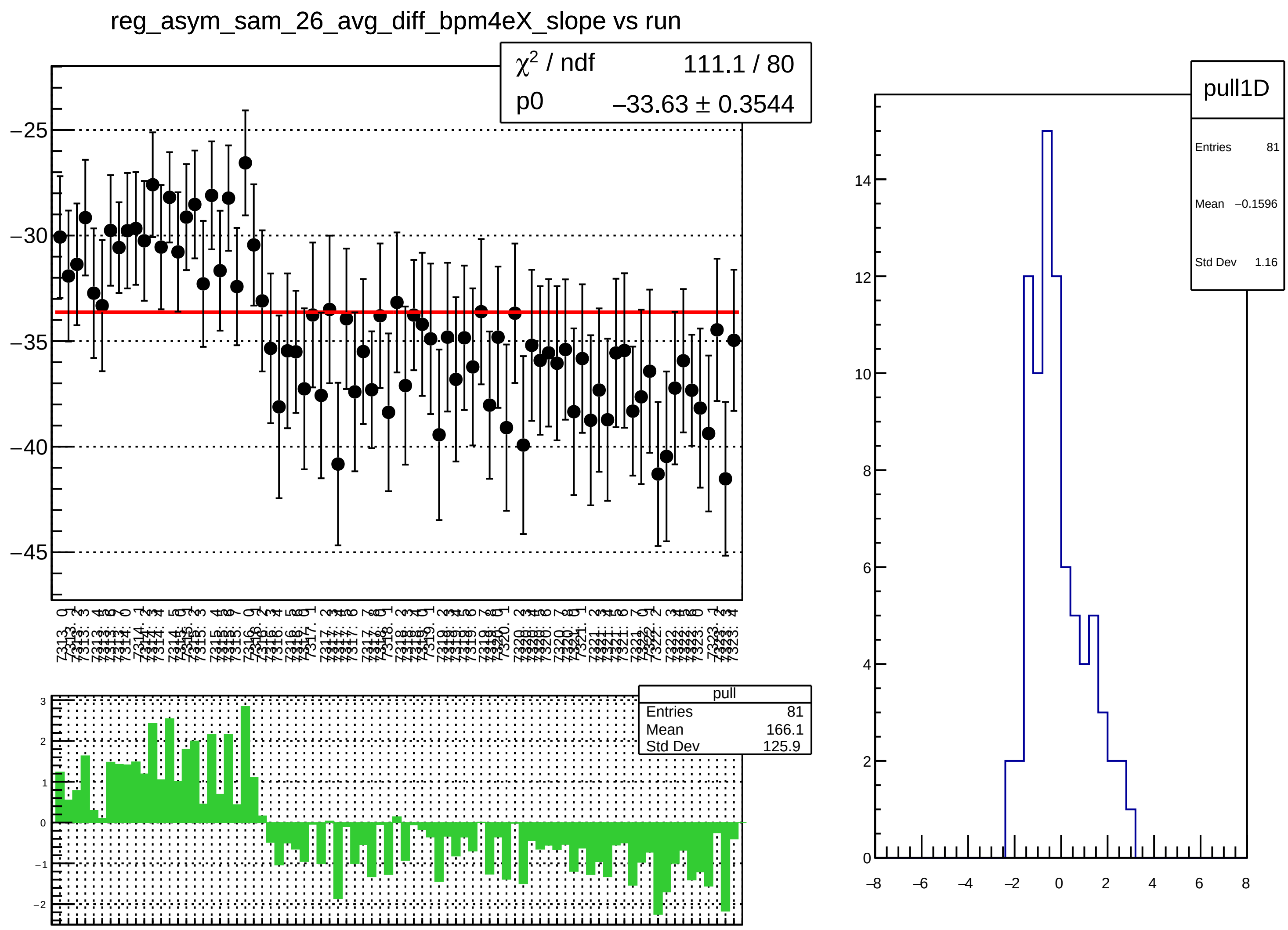
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.04 / 80
p0 −0.1968 ± 0.007722
pull
Entries 81
Mean −193.9
Std Dev 230
pull1D
Entries 81
Mean −0.02911
Std Dev 0.4966



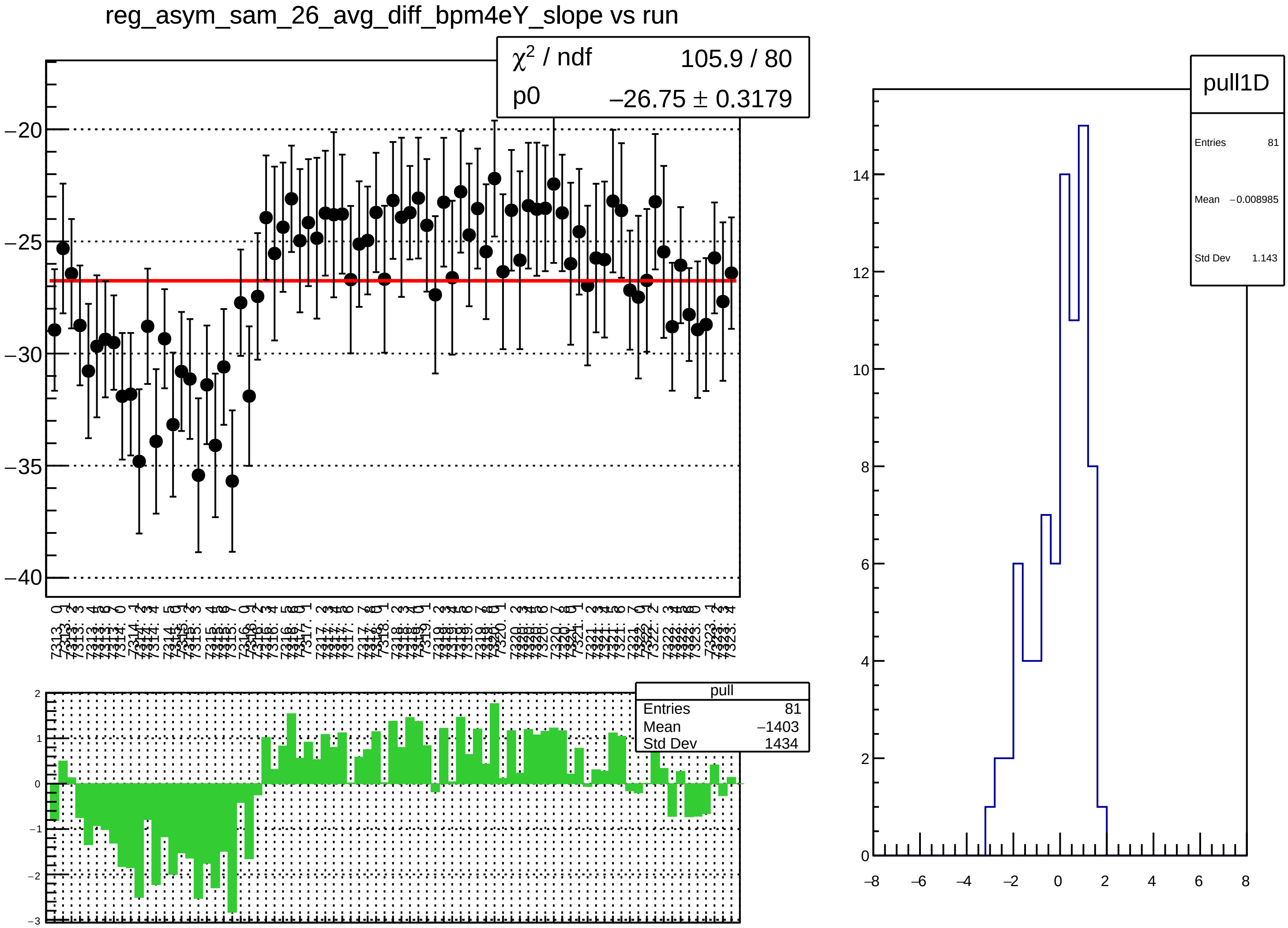
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 228.6 / 80
p0 −5.976 ± 0.356
pull
Entries 81
Mean 172.3
Std Dev 132.9
pull1D
Entries 81
Mean 0.216
Std Dev 1.666

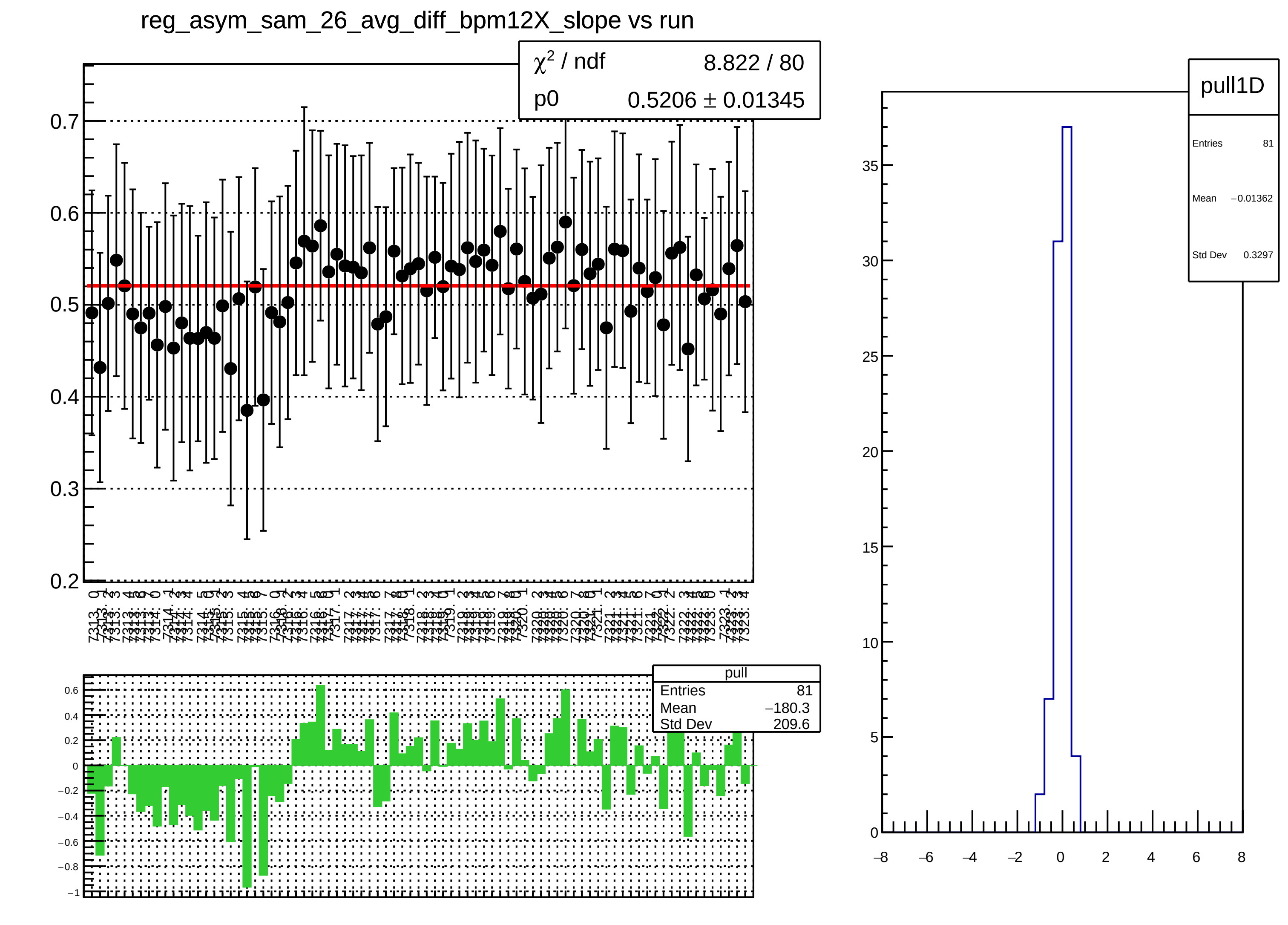


reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 75.61 / 80
p0 7.802 ± 0.2916
pull
Entries 81
Mean −3400
Std Dev 3433
pull1D
Entries 81
Mean 0.00374
Std Dev 0.9662

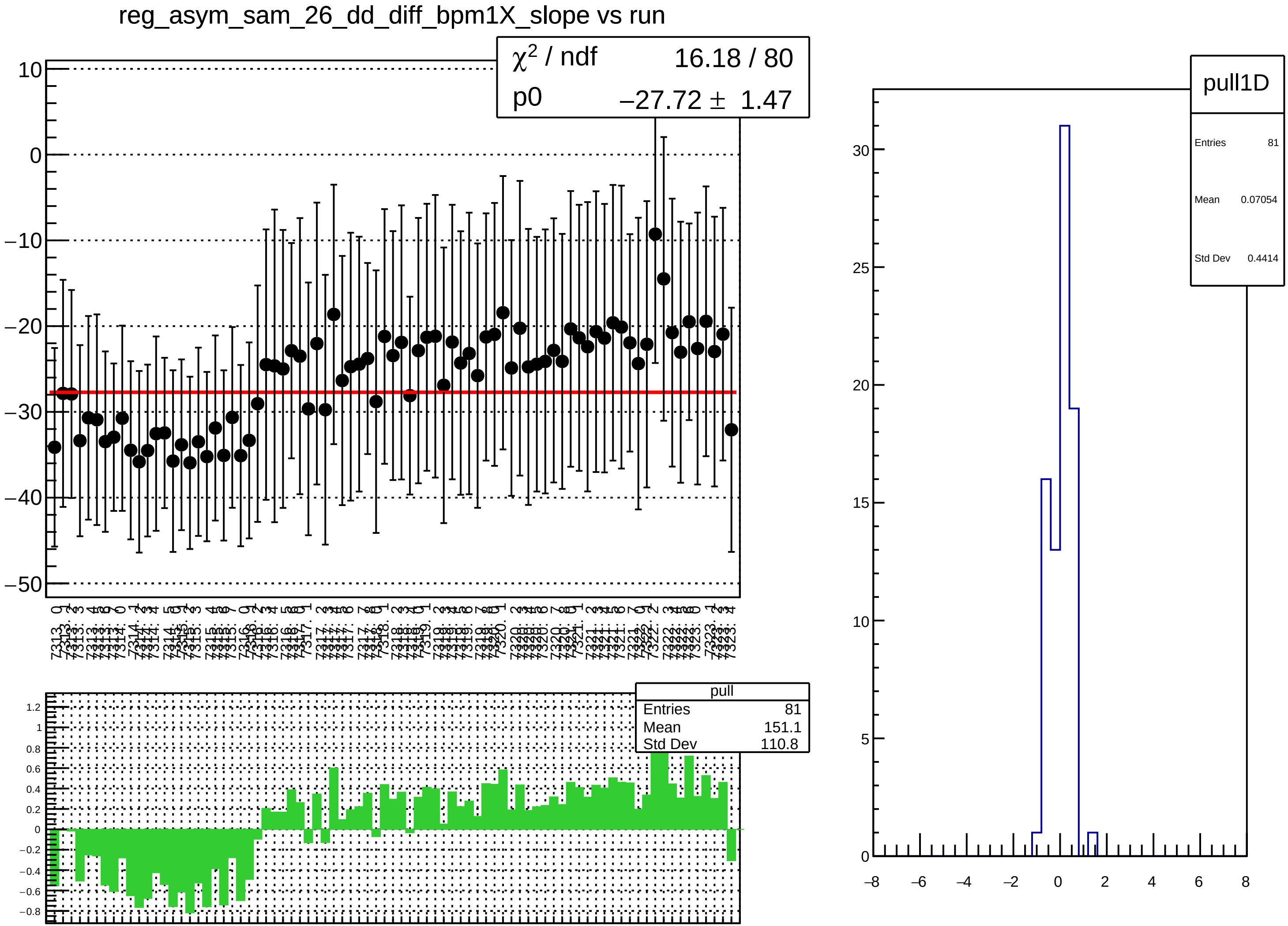


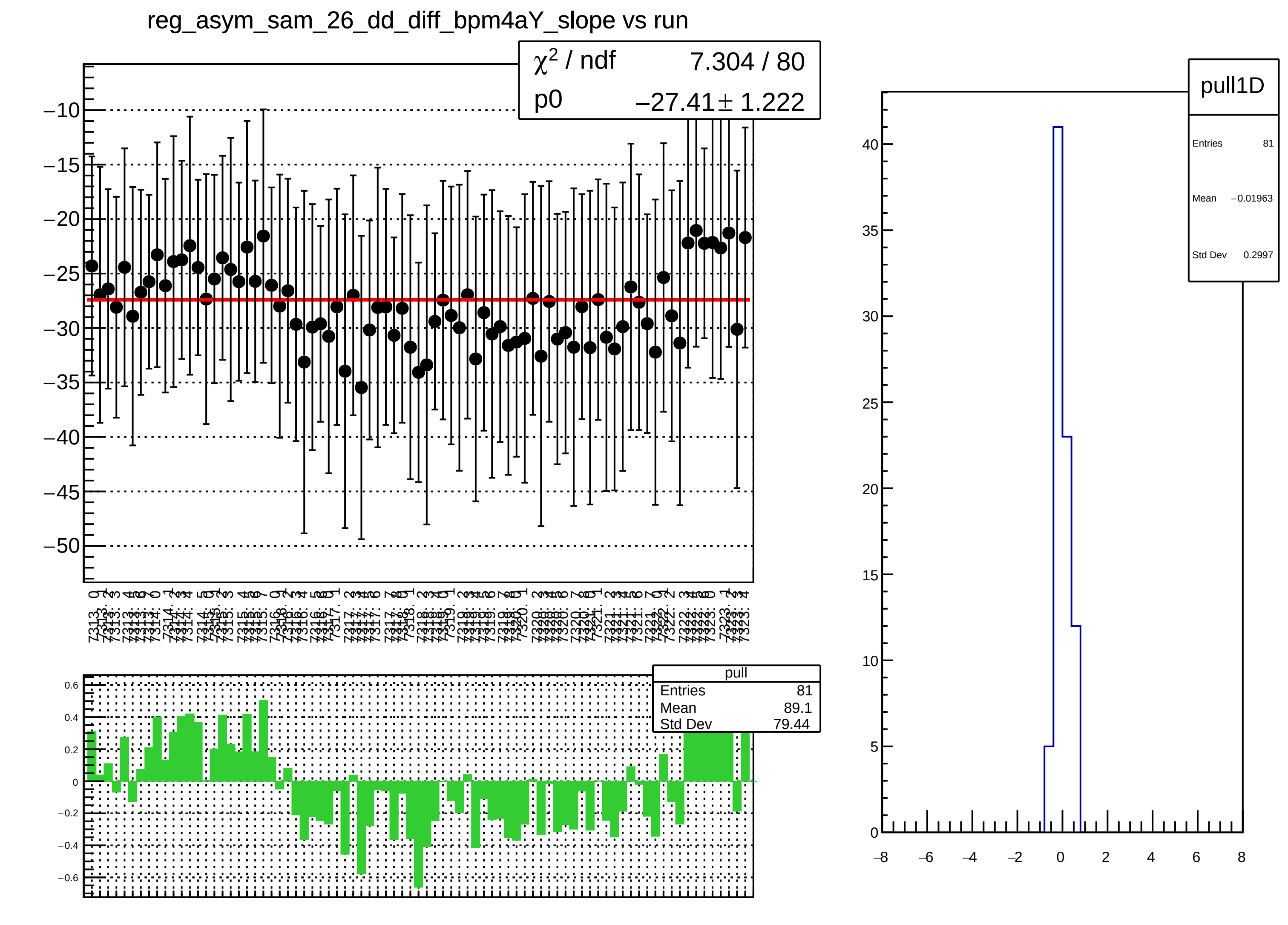
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 111.1 / 80
p0 −33.63 ± 0.3544
pull
Entries 81
Mean 166.1
Std Dev 125.9
pull1D
Entries 81
Mean −0.1596
Std Dev 1.16


reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 105.9 / 80
p0 −26.75 ± 0.3179
pull
Entries 81
Mean −1403
Std Dev 1434
pull1D
Entries 81
Mean −0.008985
Std Dev 1.143

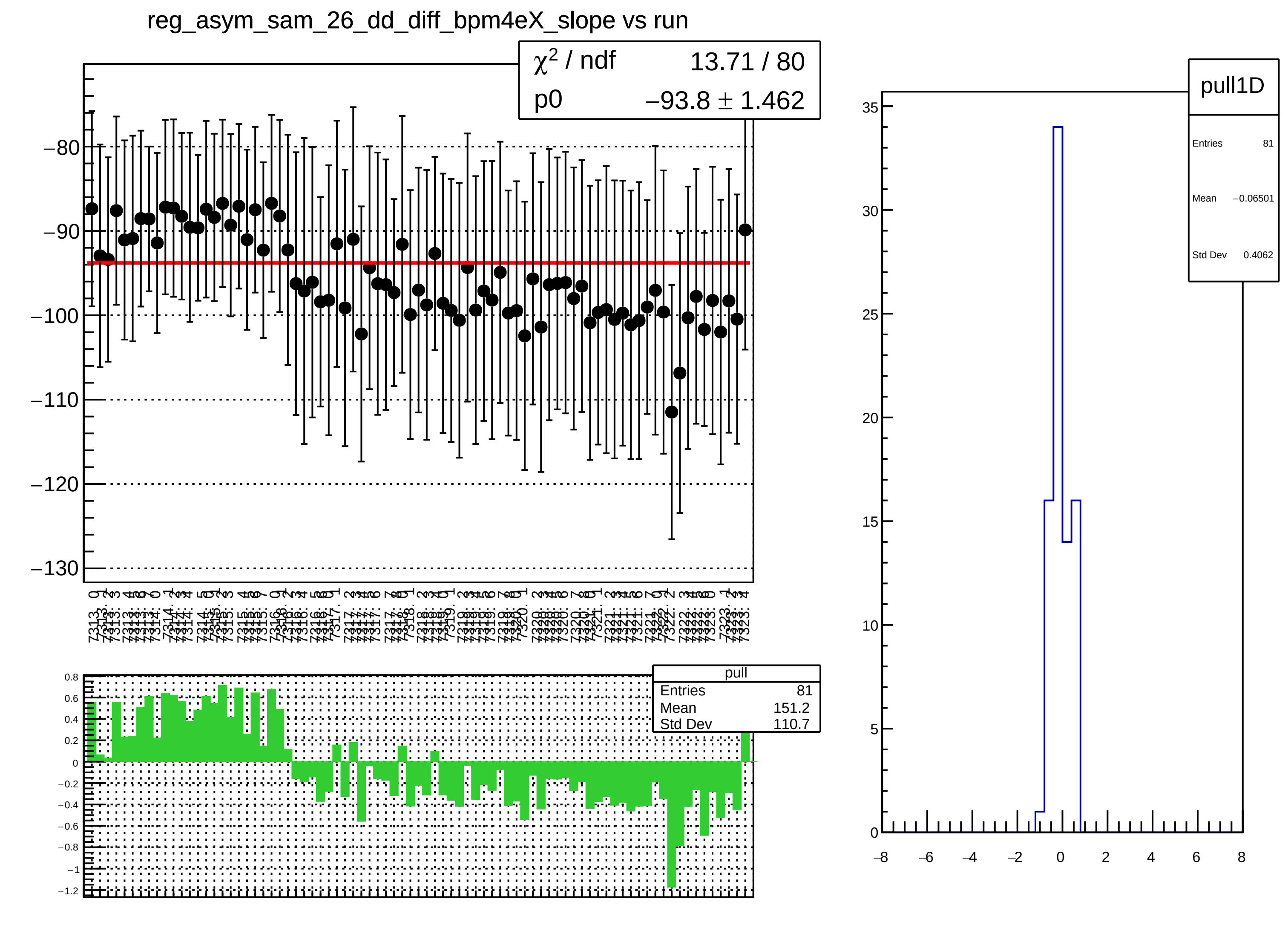


reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.822 / 80
p0 0.5206 ± 0.01345
pull
Entries 81
Mean −180.3
Std Dev 209.6
pull1D
Entries 81
Mean −0.01362
Std Dev 0.3297

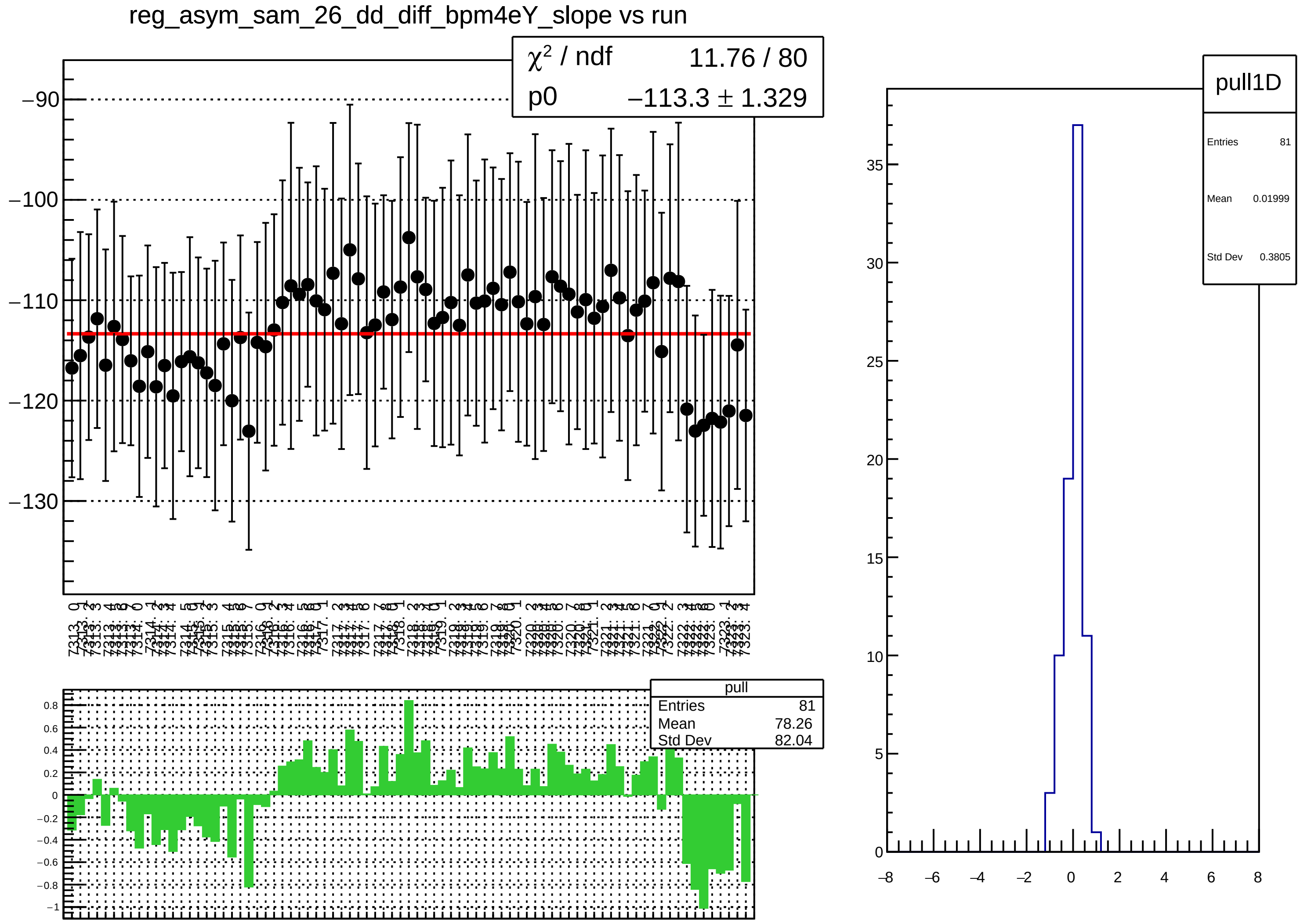

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 16.18 / 80
p0 −27.72 ± 1.47
pull
Entries 81
Mean 151.1
Std Dev 110.8
pull1D
Entries 81
Mean 0.07054
Std Dev 0.4414



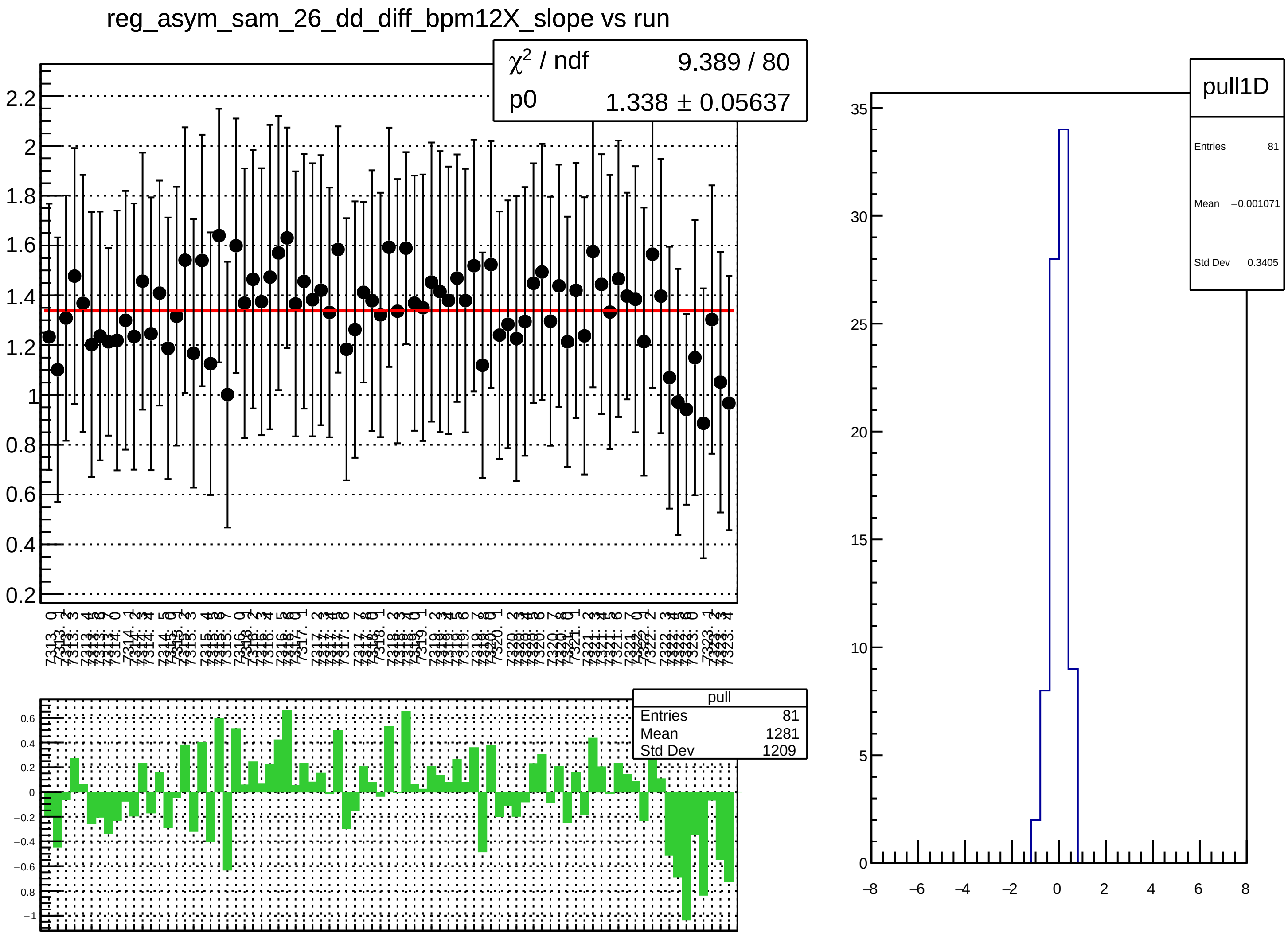
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.304 / 80
p0 −27.41 ± 1.222
pull
Entries 81
Mean 89.1
Std Dev 79.44
pull1D
Entries 81
Mean −0.01963
Std Dev 0.2997



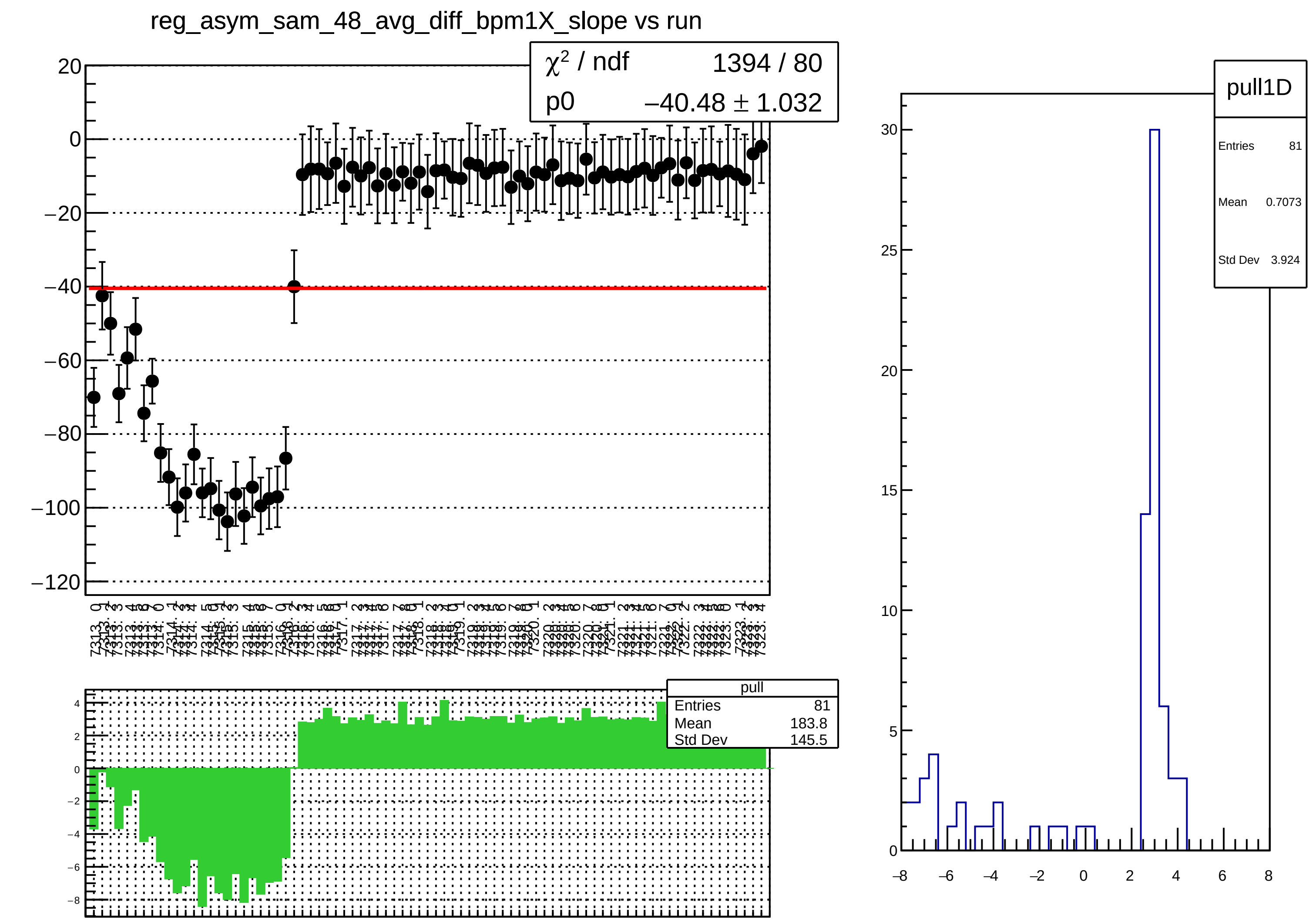
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 13.71 / 80
p0 −93.8 ± 1.462
pull
Entries 81
Mean 151.2
Std Dev 110.7
pull1D
Entries 81
Mean −0.06501
Std Dev 0.4062



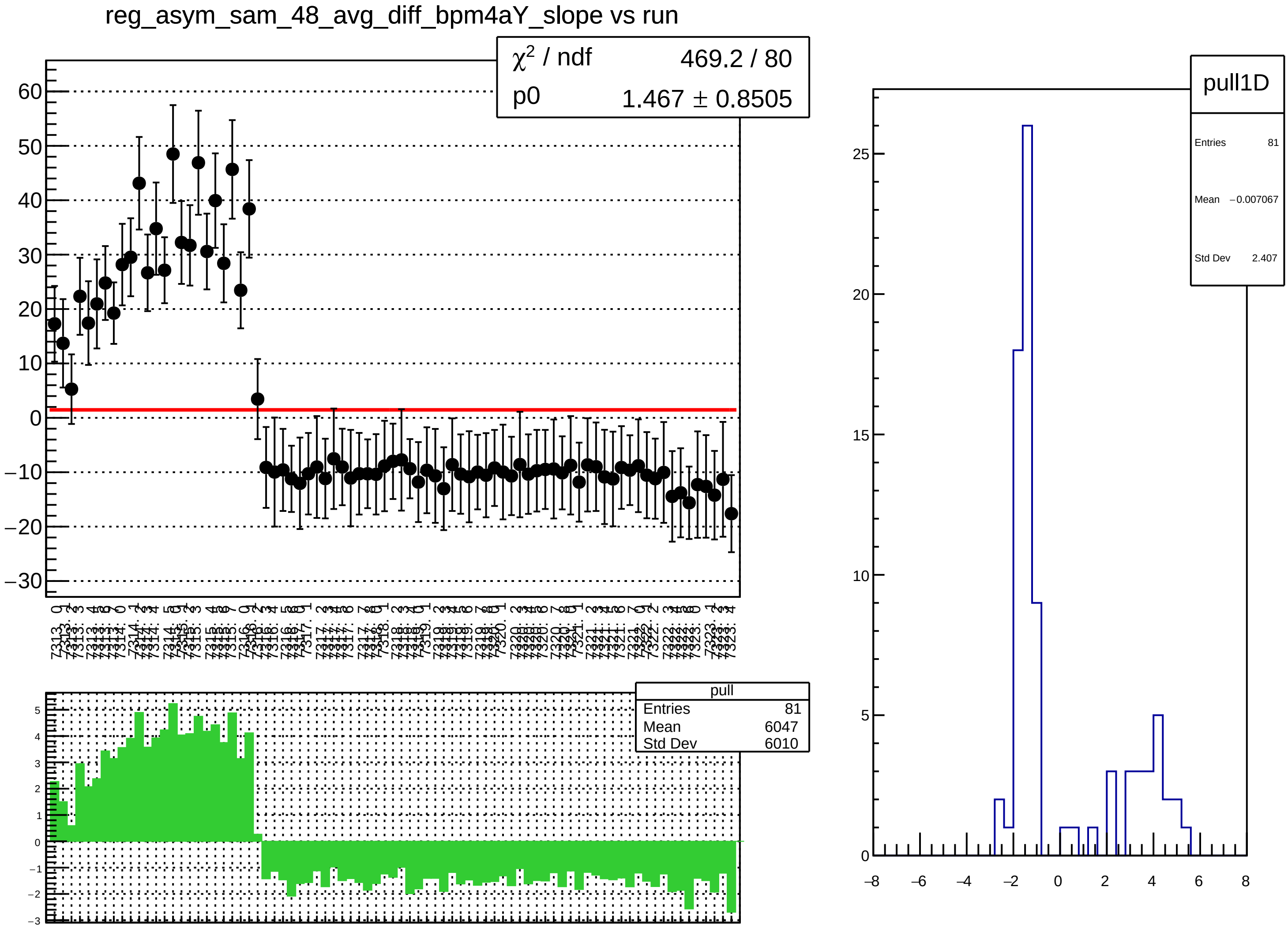
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 11.76 / 80
p0 −113.3 ± 1.329
pull
Entries 81
Mean 78.26
Std Dev 82.04
pull1D
Entries 81
Mean 0.01999
Std Dev 0.3805

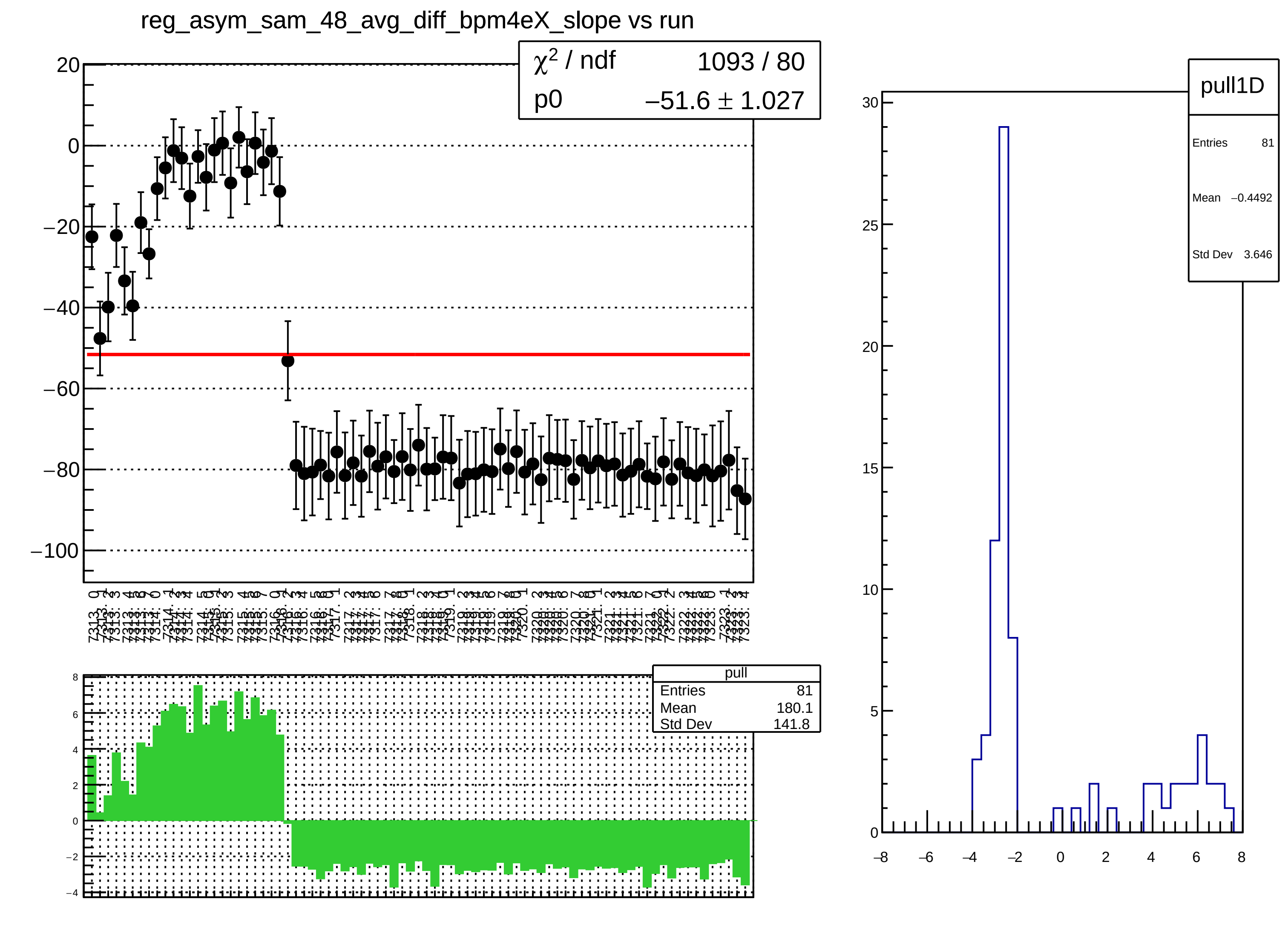


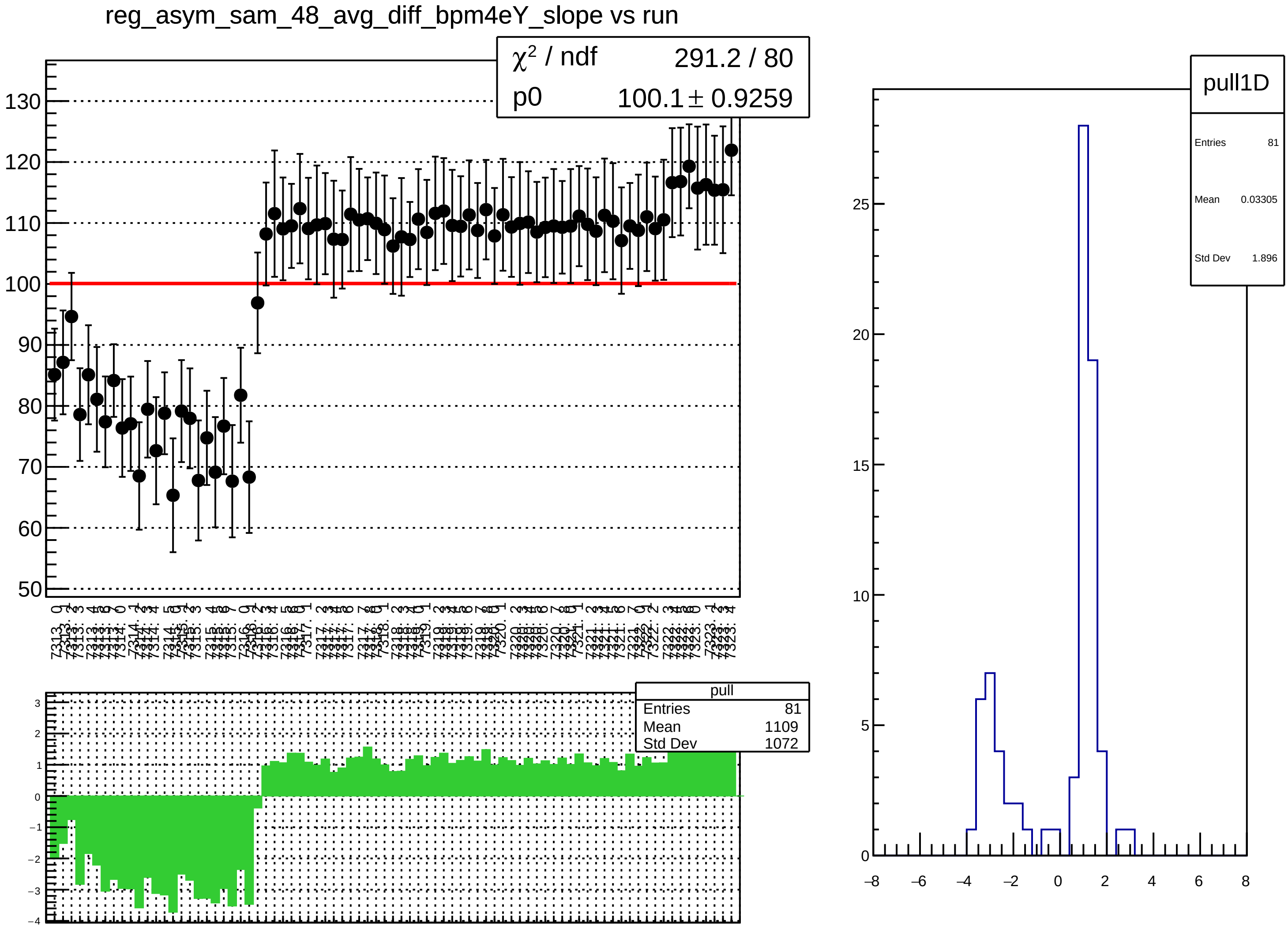
reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.389 / 80
p0 1.338 ± 0.05637
pull
Entries 81
Mean 1281
Std Dev 1209
pull1D
Entries 81
Mean −0.001071
Std Dev 0.3405



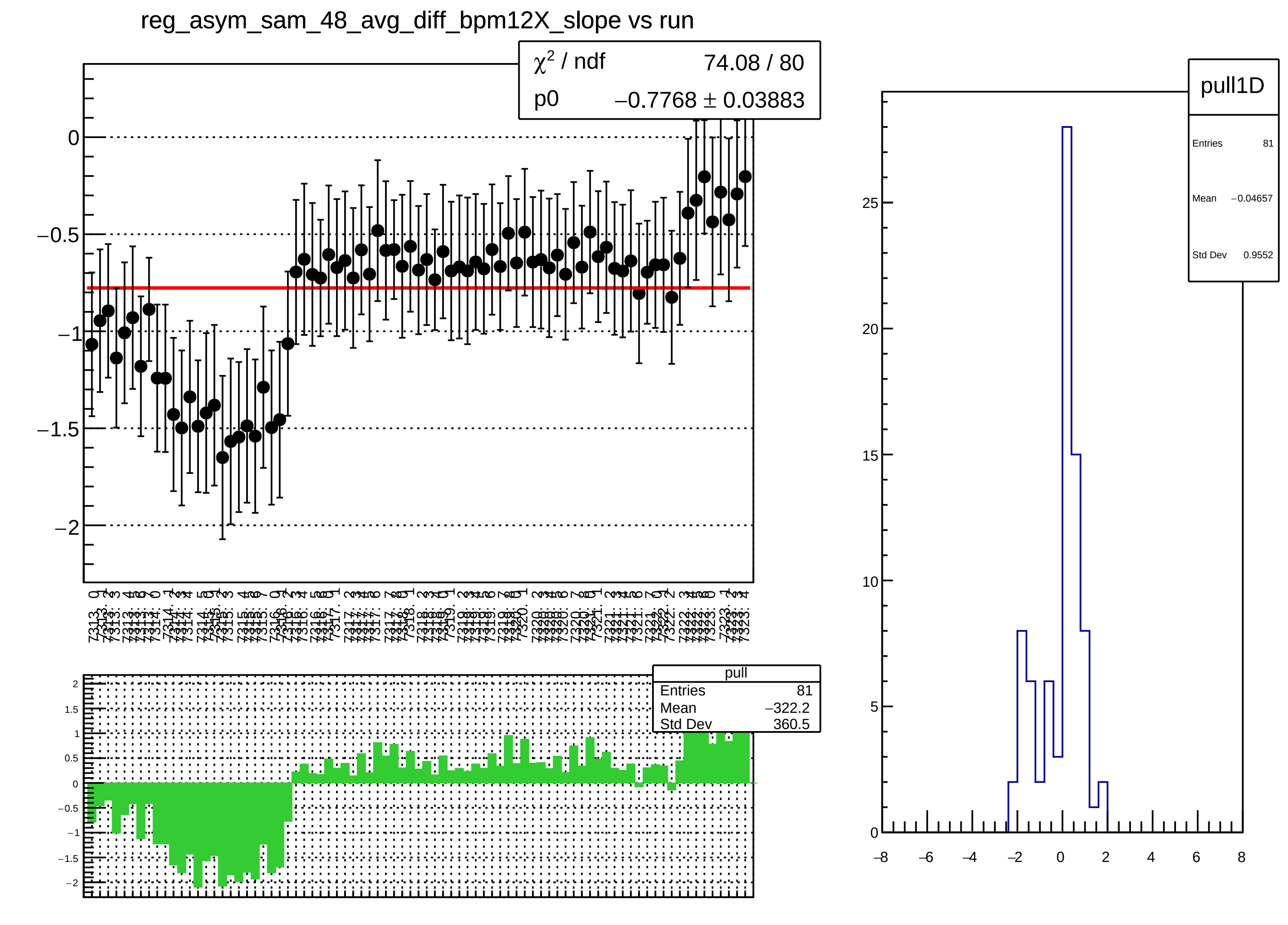
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1394 / 80
p0 −40.48 ± 1.032
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 81
Mean 183.8
Std Dev 145.5
4
2
0
−2
−4
−6
−8
pull1D
Entries 81
Mean 0.7073
Std Dev 3.924
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 469.2 / 80
p0 1.467 ± 0.8505
pull
Entries 81
Mean 6047
Std Dev 6010
pull1D
Entries 81
Mean −0.007067
Std Dev 2.407

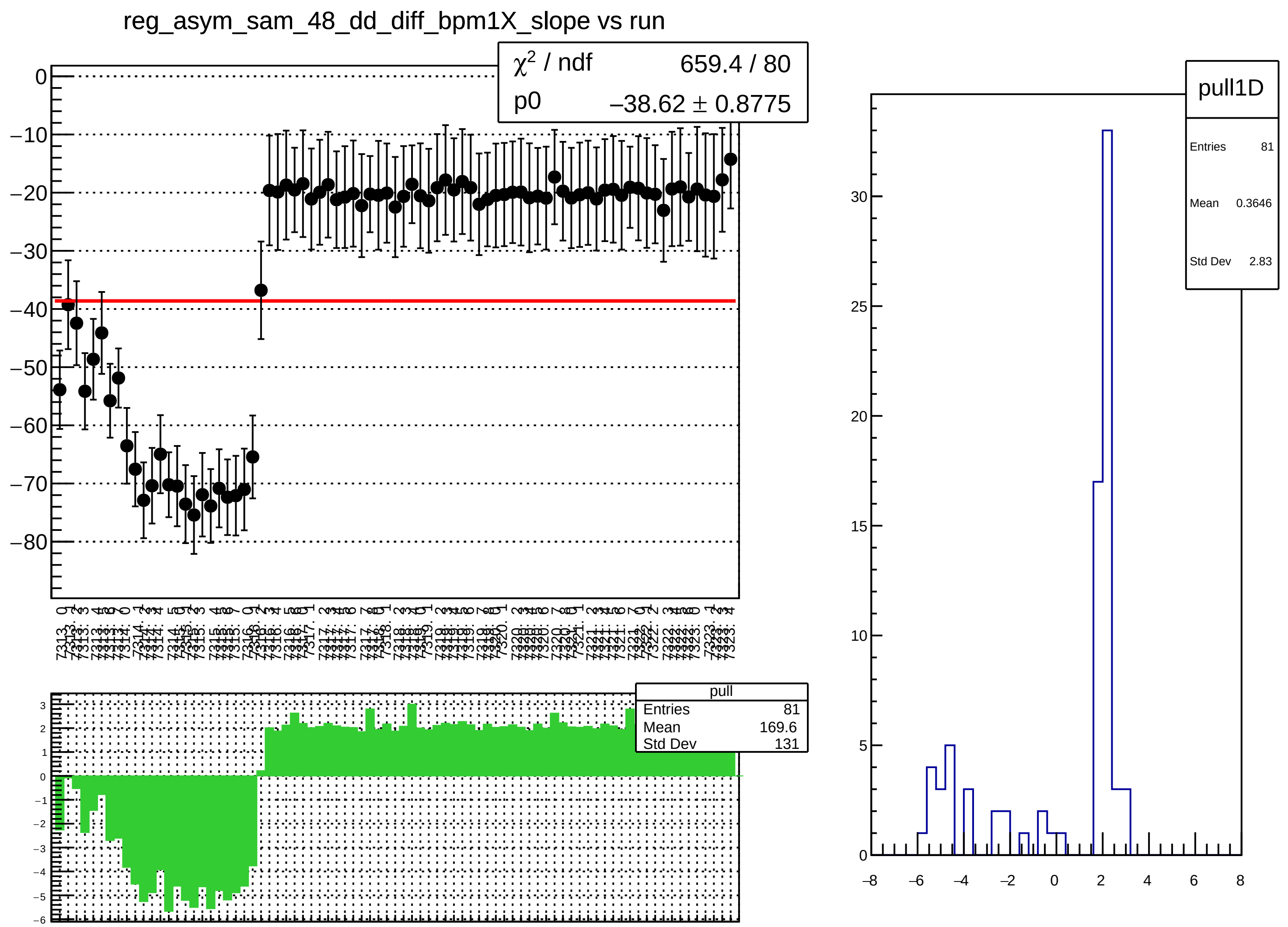

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ2 / ndf 1093 / 80
p0 −51.6 ± 1.027
pull
Entries 81
Mean 180.1
Std Dev 141.8
pull1D
Entries 81
Mean −0.4492
Std Dev 3.646



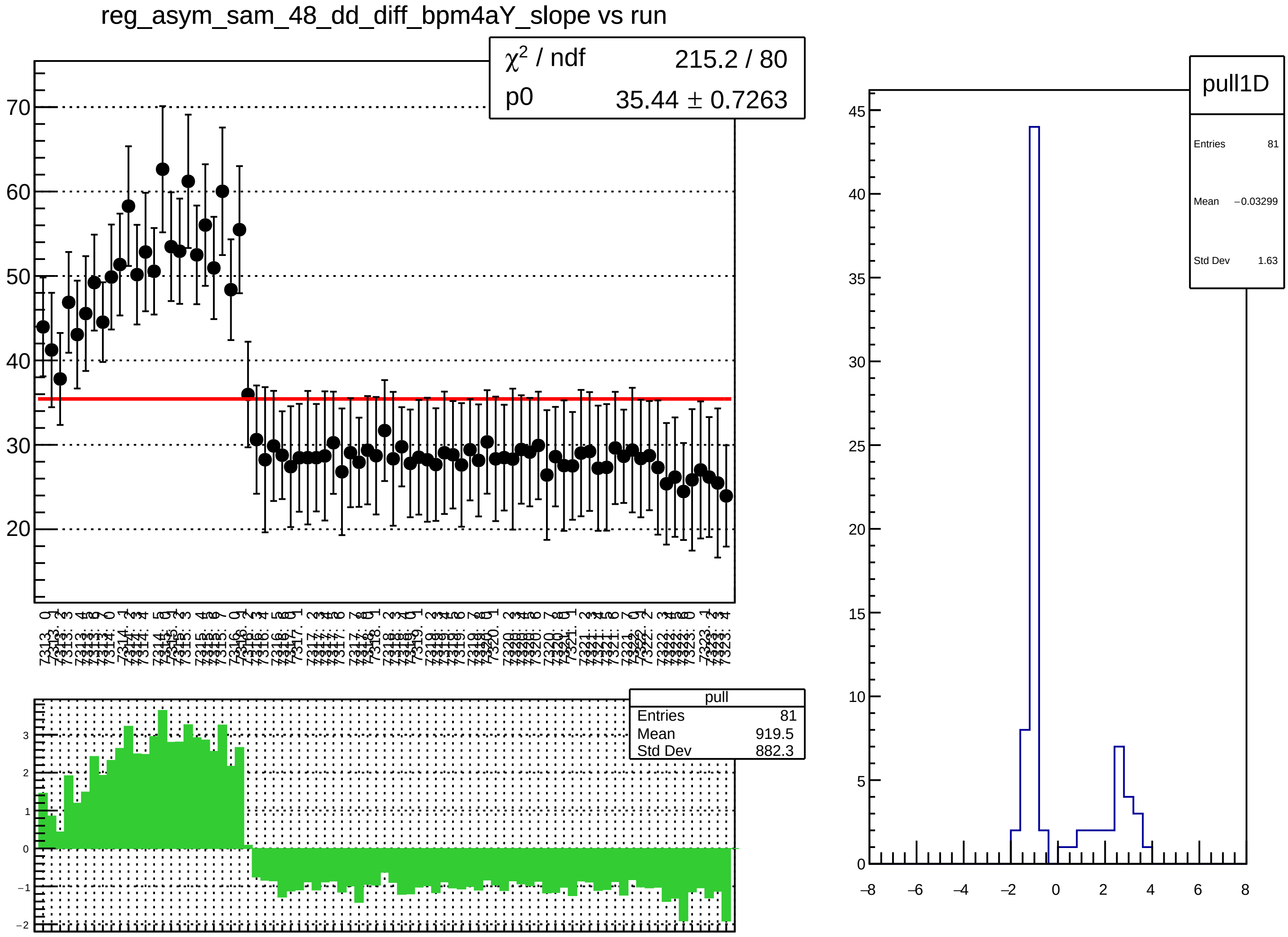
reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ2 / ndf 291.2 / 80
p0 100.1 ± 0.9259
130
120
110
100
90
80
70
60
50
pull
Entries 81
Mean 1109
Std Dev 1072
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 81
Mean 0.03305
Std Dev 1.896
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

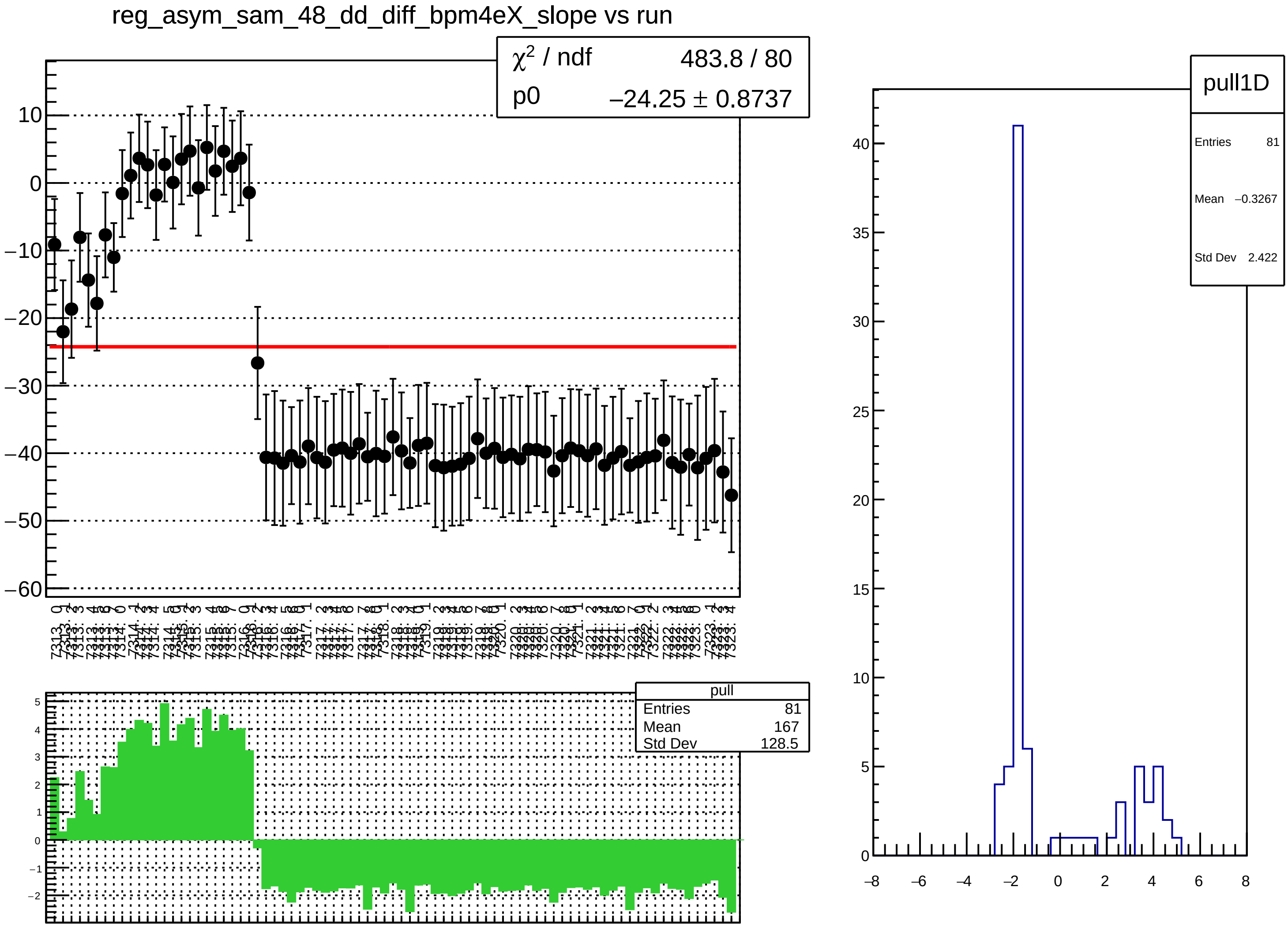


reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 74.08 / 80
p0 −0.7768 ± 0.03883
pull
Entries 81
Mean −322.2
Std Dev 360.5
pull1D
Entries 81
Mean −0.04657
Std Dev 0.9552

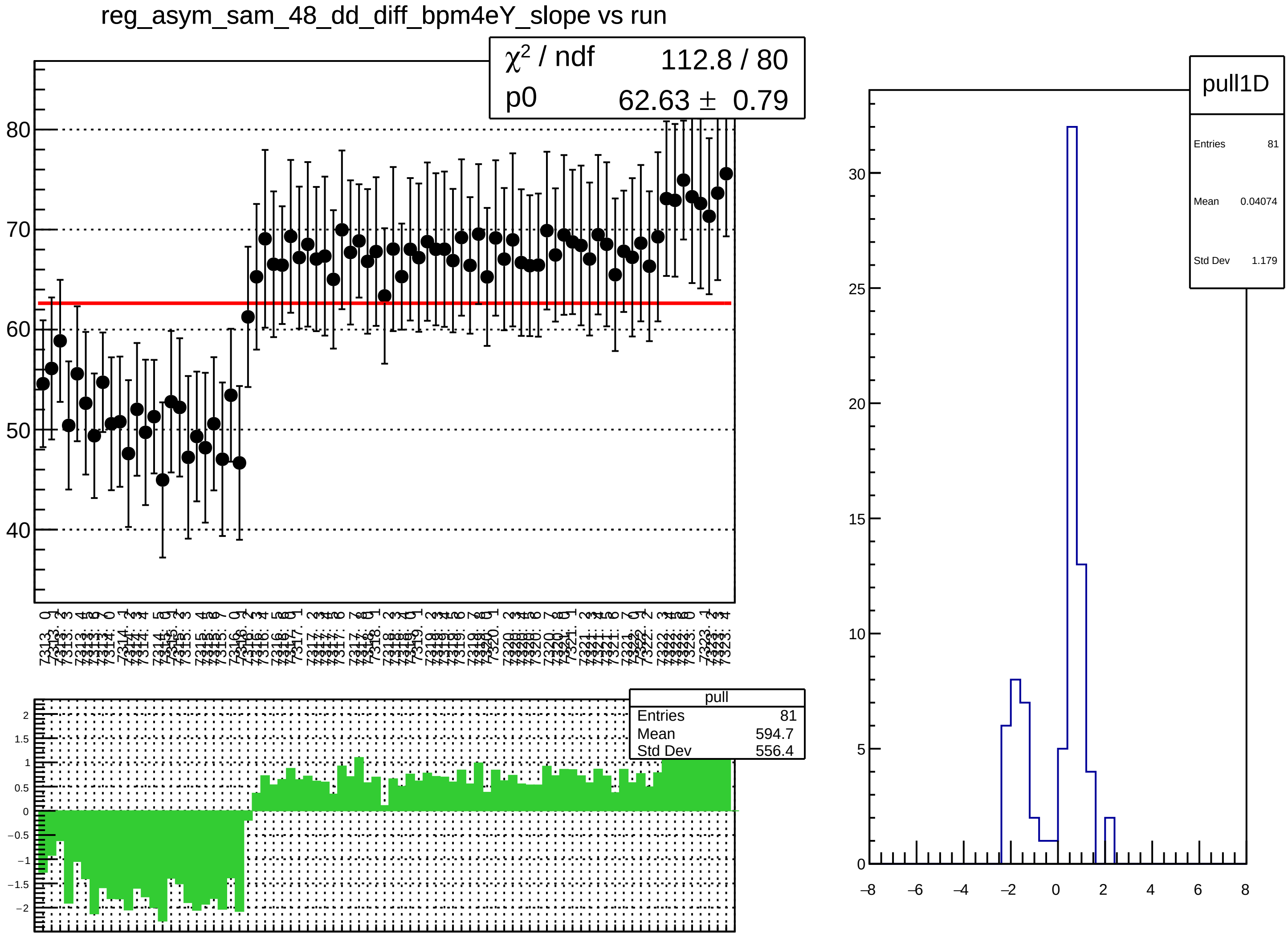


reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 659.4 / 80
p0 −38.62 ± 0.8775
pull
Entries 81
Mean 169.6
Std Dev 131
pull1D
Entries 81
Mean 0.3646
Std Dev 2.83

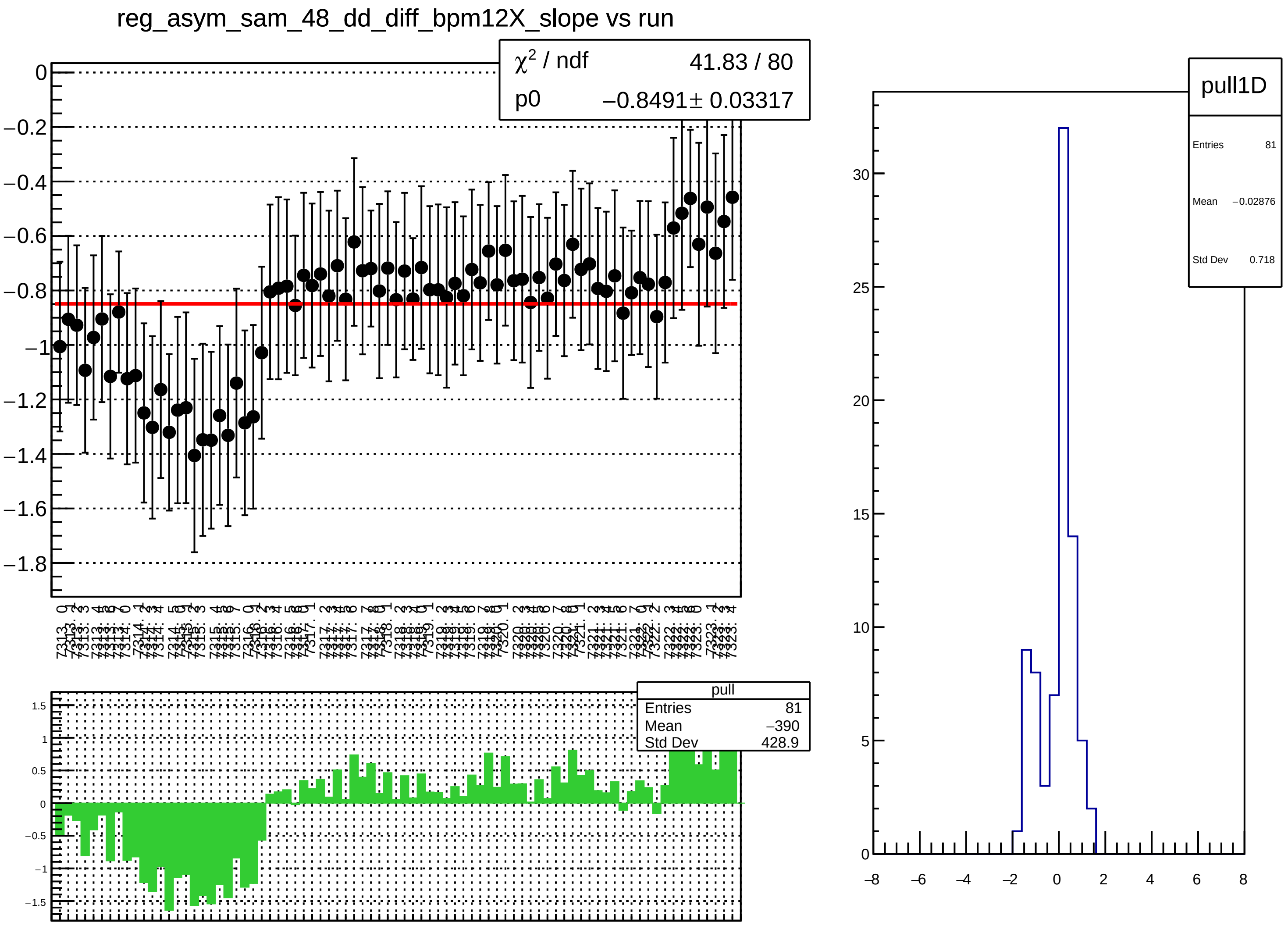

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 215.2 / 80
p0 35.44 ± 0.7263
pull
Entries 81
Mean 919.5
Std Dev 882.3
pull1D
Entries 81
Mean −0.03299
Std Dev 1.63



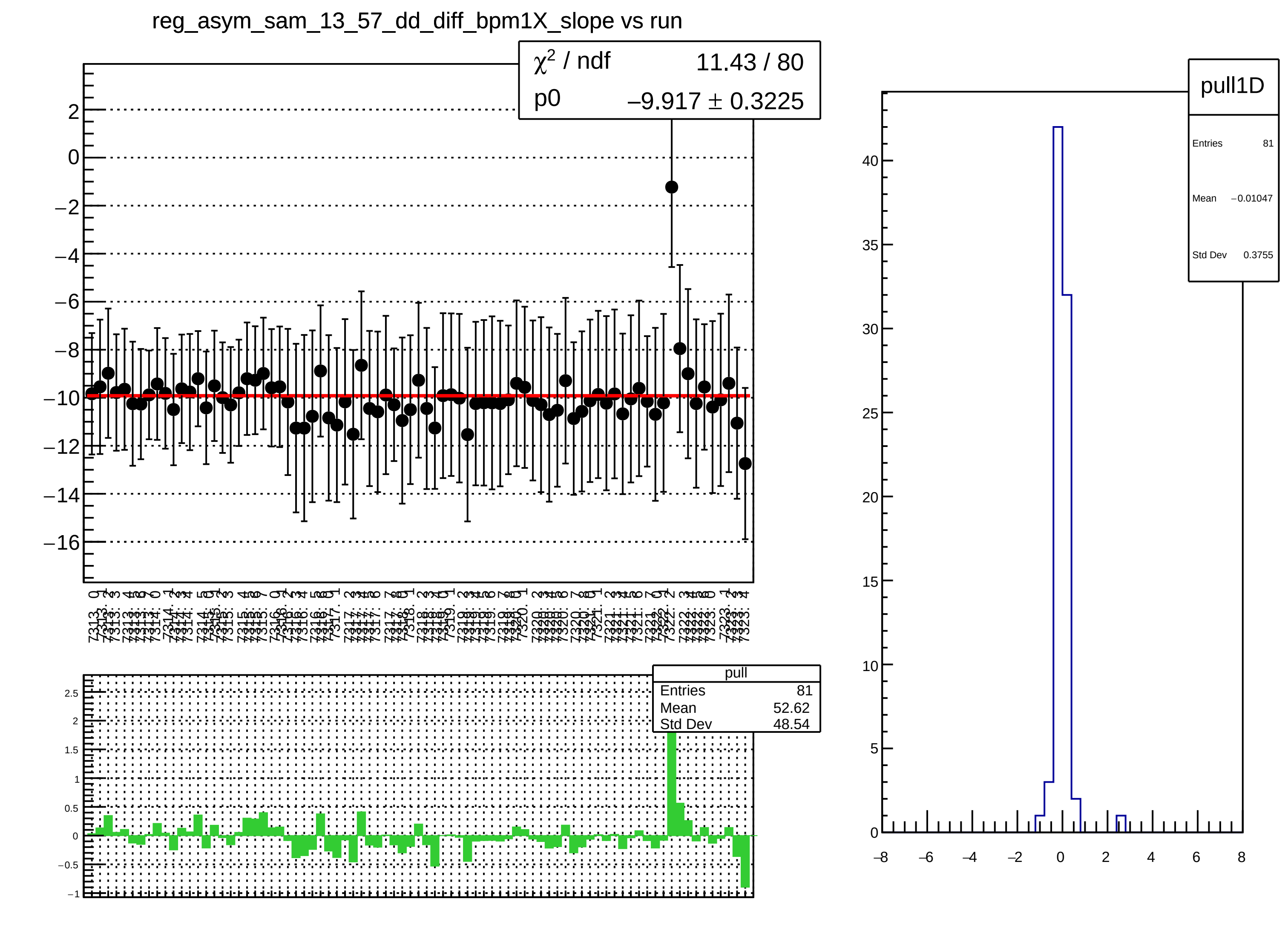
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 483.8 / 80
p0 −24.25 ± 0.8737
pull
Entries 81
Mean 167
Std Dev 128.5
pull1D
Entries 81
Mean −0.3267
Std Dev 2.422



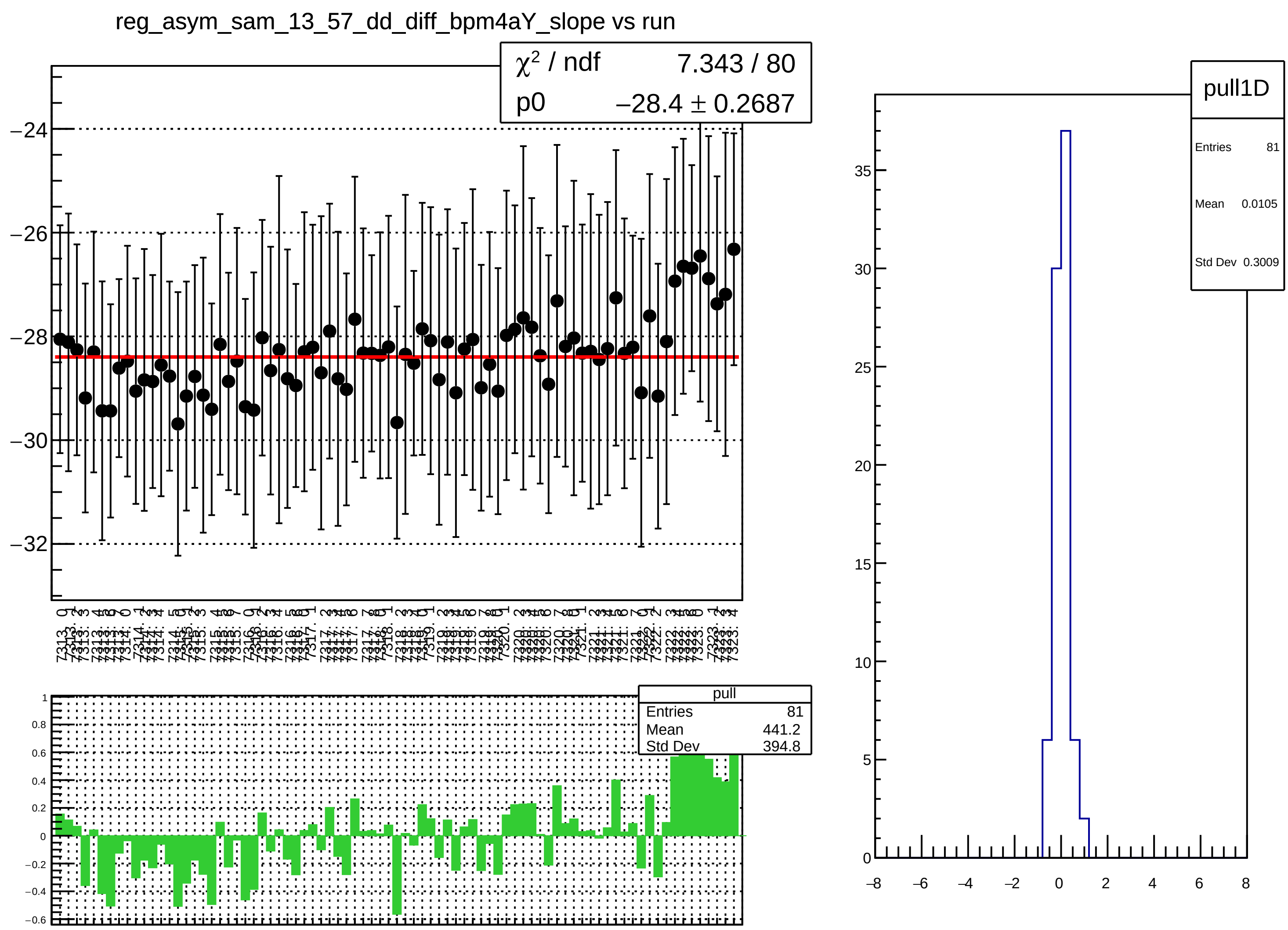
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 112.8 / 80
p0 62.63 ± 0.79
pull
Entries 81
Mean 594.7
Std Dev 556.4
pull1D
Entries 81
Mean 0.04074
Std Dev 1.179



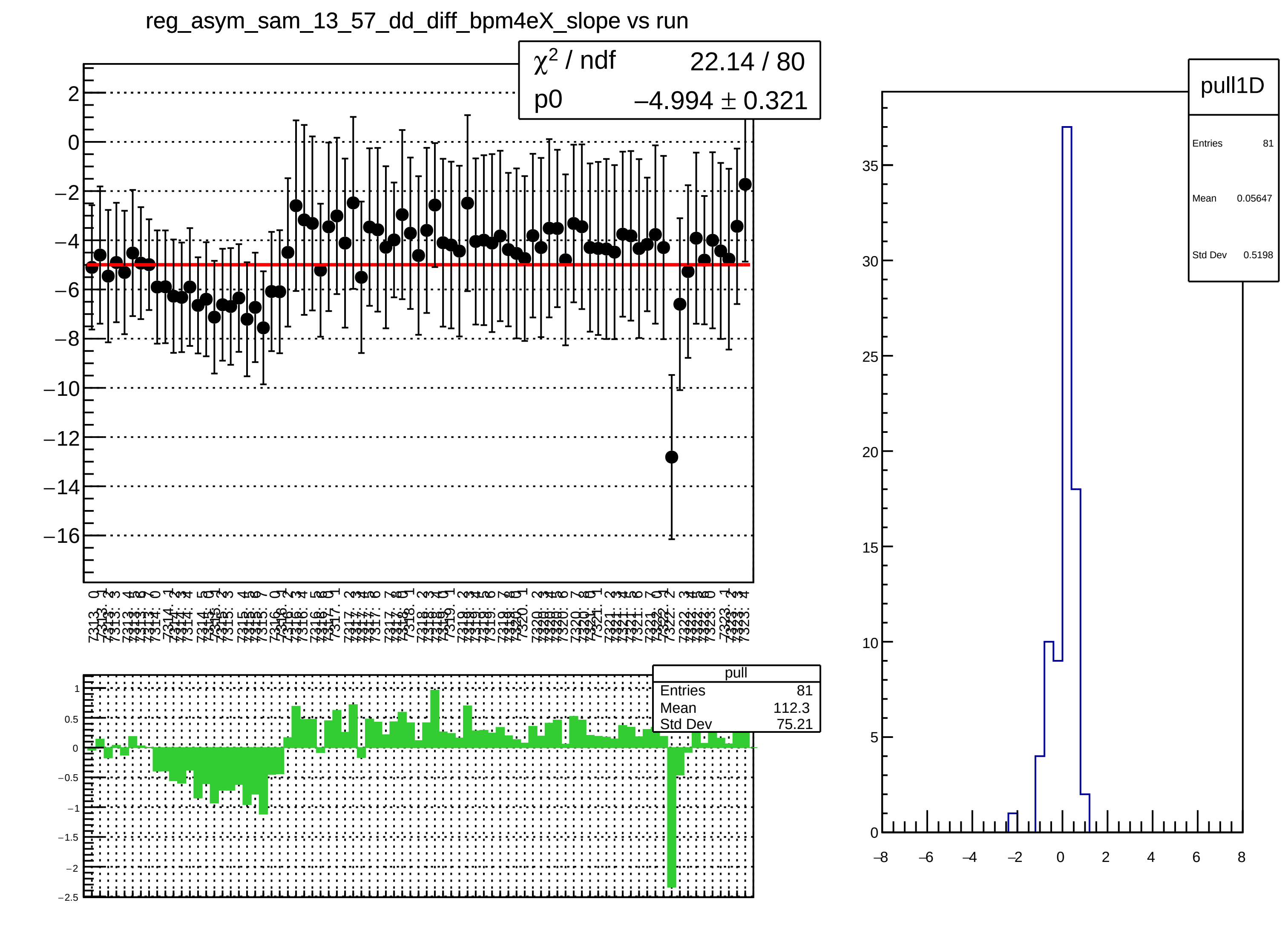
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 41.83 / 80
p0 −0.8491 ± 0.03317
pull
Entries 81
Mean −390
Std Dev 428.9
pull1D
Entries 81
Mean −0.02876
Std Dev 0.718



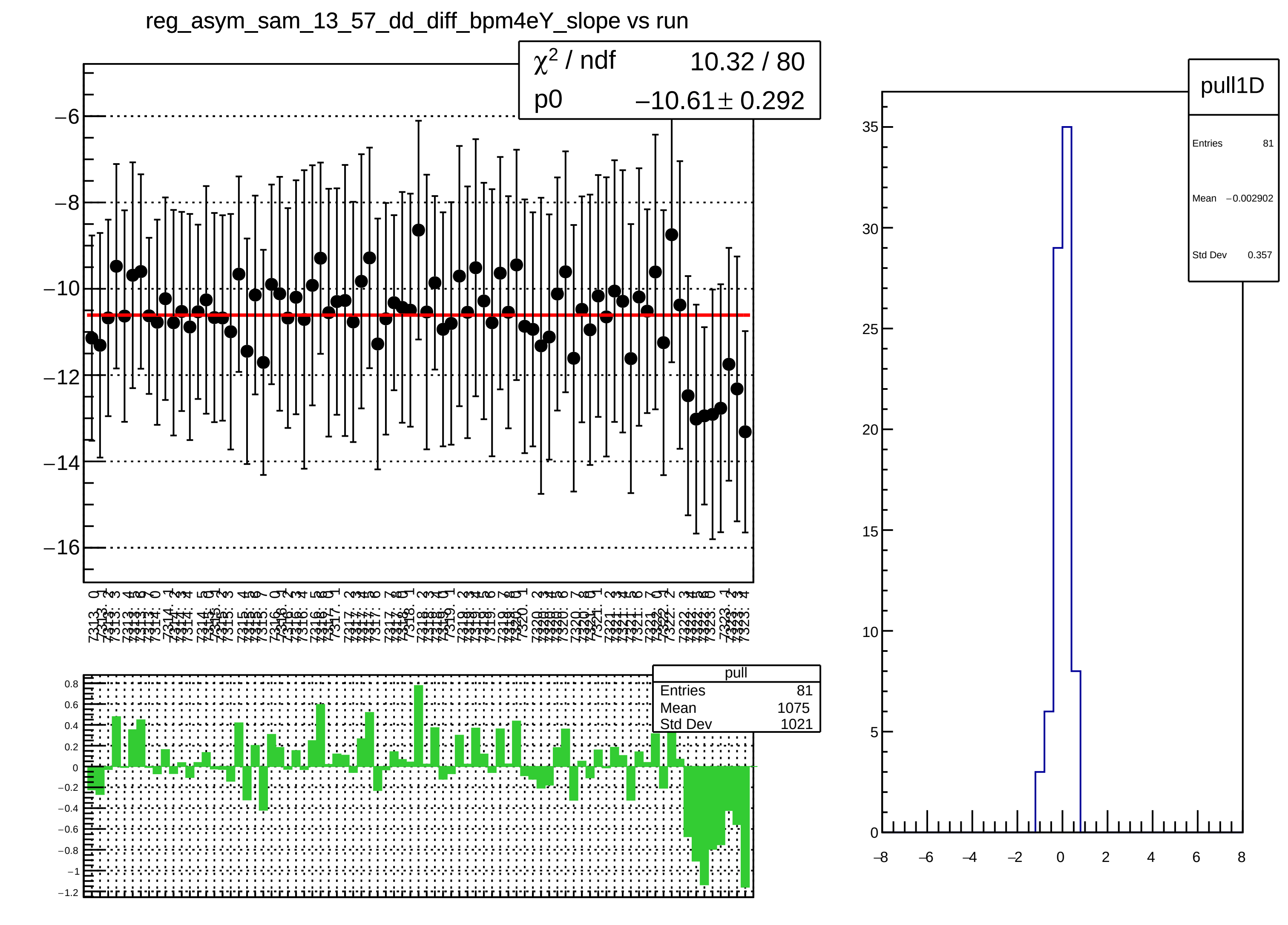
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.43 / 80
p0 −9.917 ± 0.3225
pull
Entries 81
Mean 52.62
Std Dev 48.54
pull1D
Entries 81
Mean −0.01047
Std Dev 0.3755

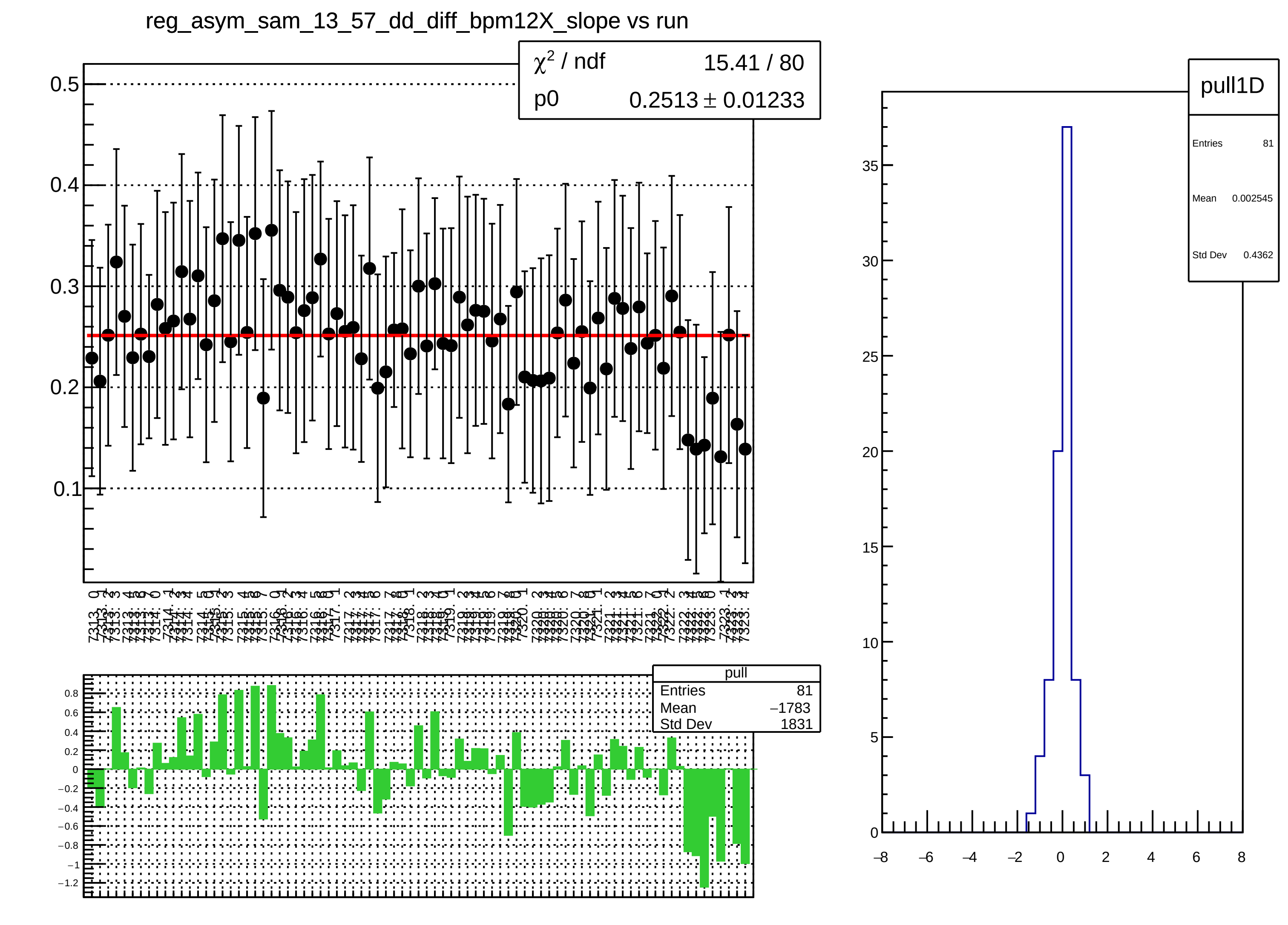


reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ2 / ndf 7.343 / 80
p0 −28.4 ± 0.2687
pull
Entries 81
Mean 441.2
Std Dev 394.8
pull1D
Entries 81
Mean 0.0105
Std Dev 0.3009

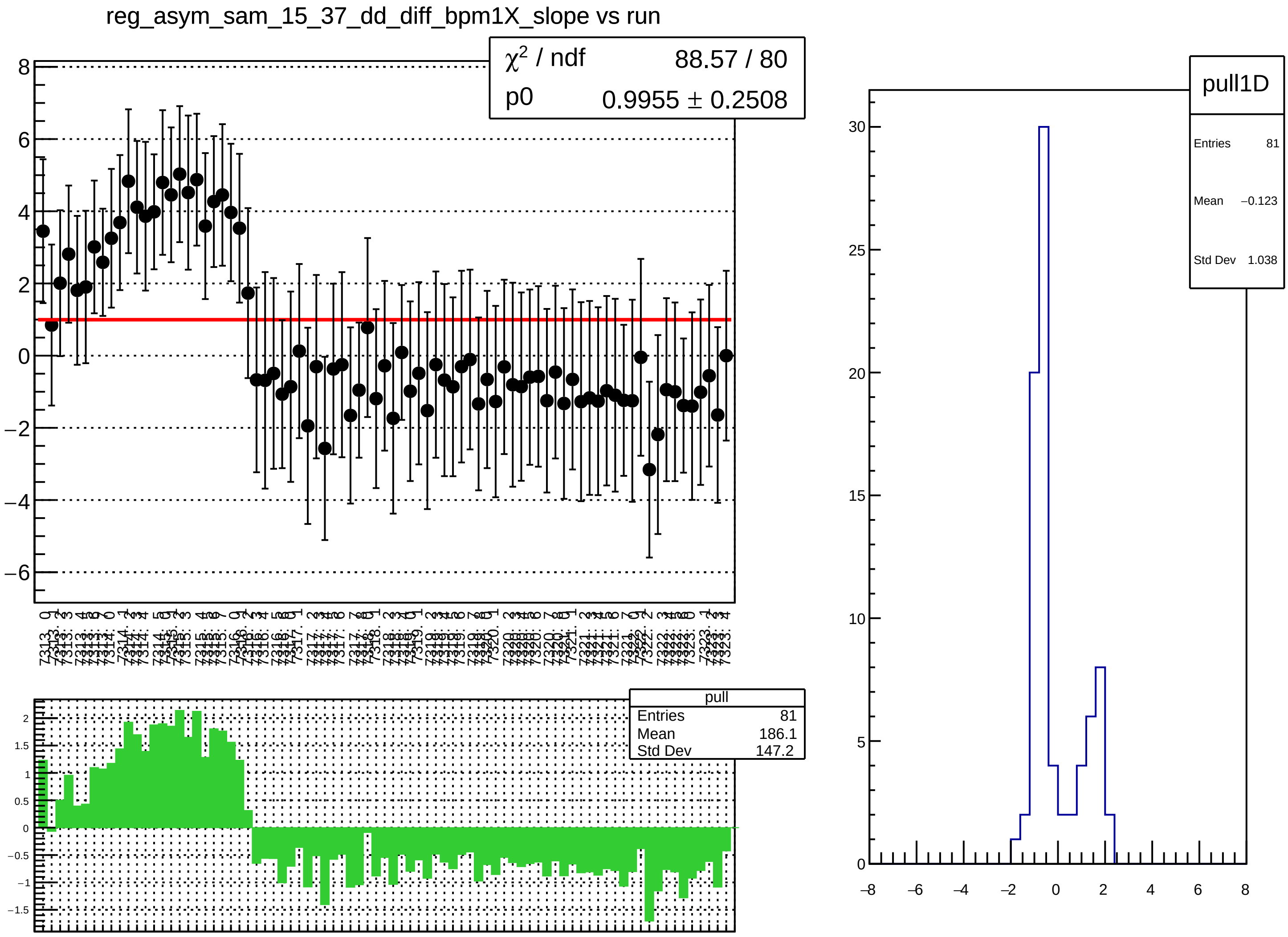


reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 22.14 / 80
p0 −4.994 ± 0.321
pull
Entries 81
Mean 112.3
Std Dev 75.21
pull1D
Entries 81
Mean 0.05647
Std Dev 0.5198


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 10.32 / 80
p0 −10.61 ± 0.292
pull
Entries 81
Mean 1075
Std Dev 1021
pull1D
Entries 81
Mean −0.002902
Std Dev 0.357

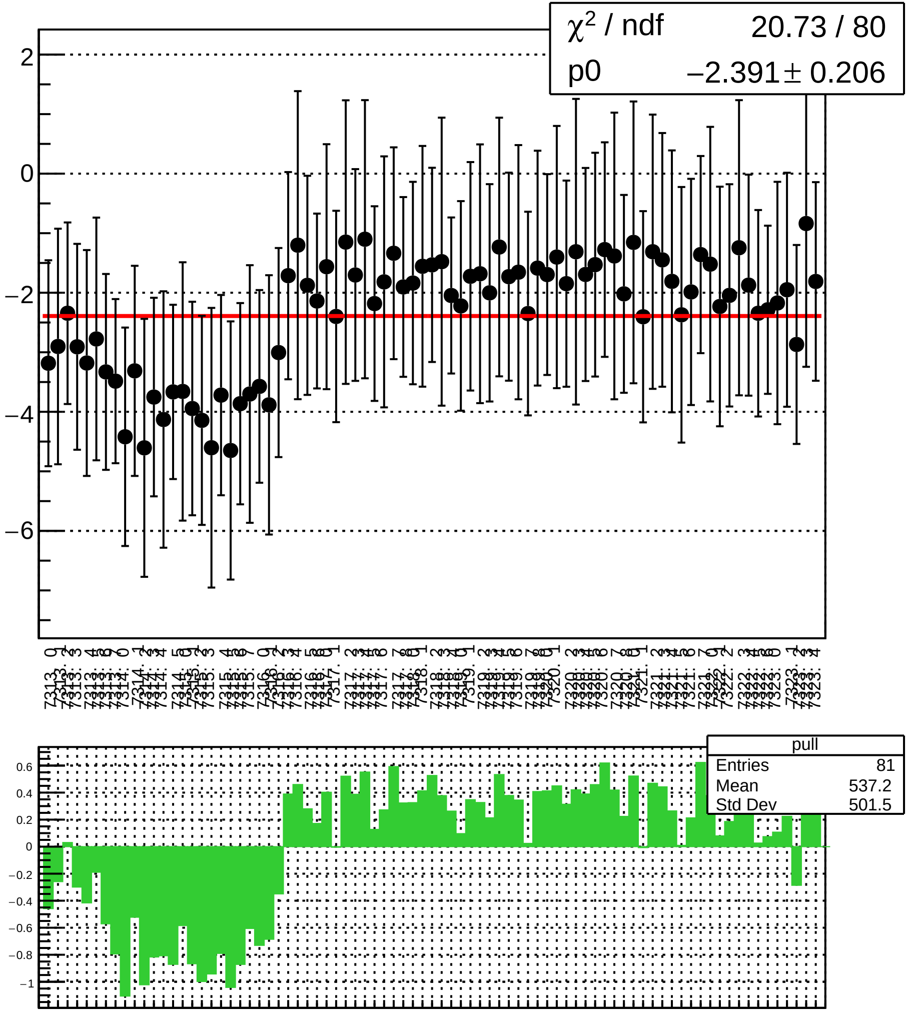


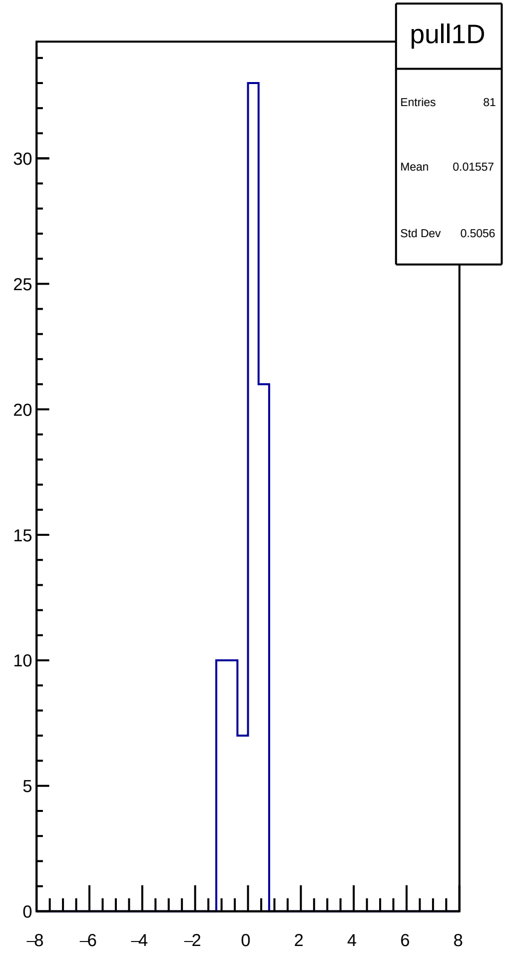
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ2 / ndf 15.41 / 80
p0 0.2513 ± 0.01233
pull
Entries 81
Mean −1783
Std Dev 1831
pull1D
Entries 81
Mean 0.002545
Std Dev 0.4362

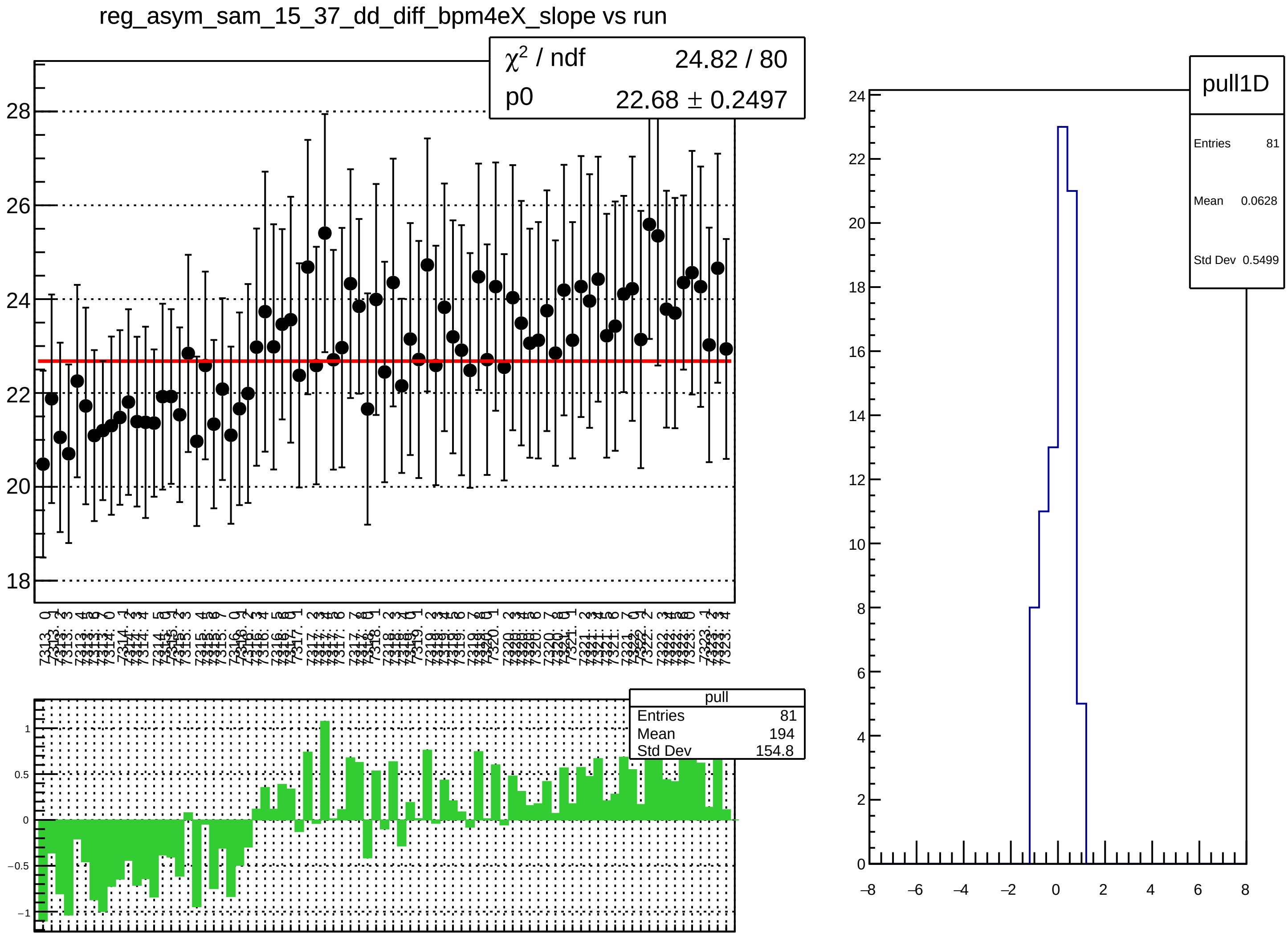


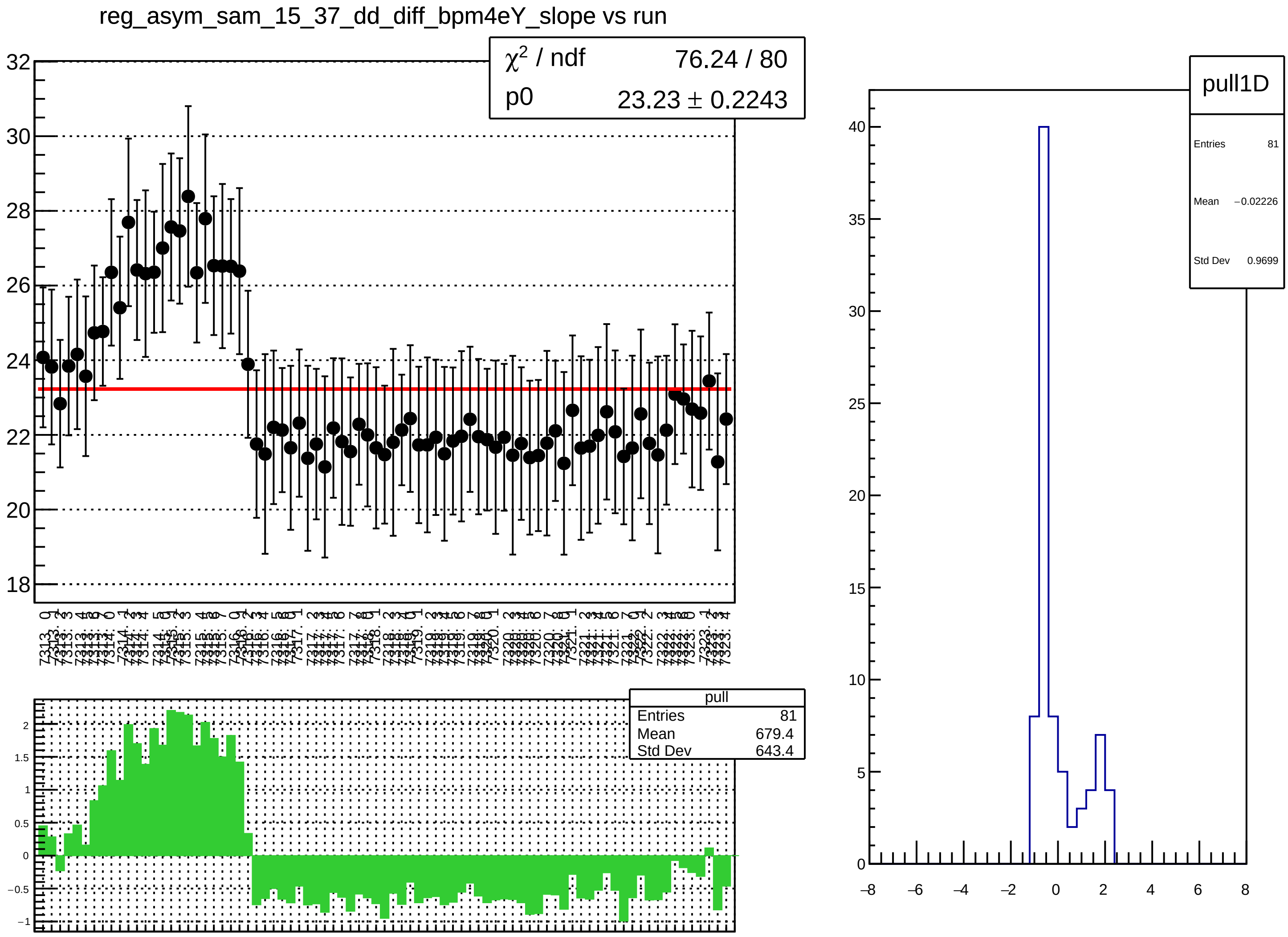
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 88.57 / 80
p0 0.9955 ± 0.2508
pull
Entries 81
Mean 186.1
Std Dev 147.2
pull1D
Entries 81
Mean −0.123
Std Dev 1.038

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run

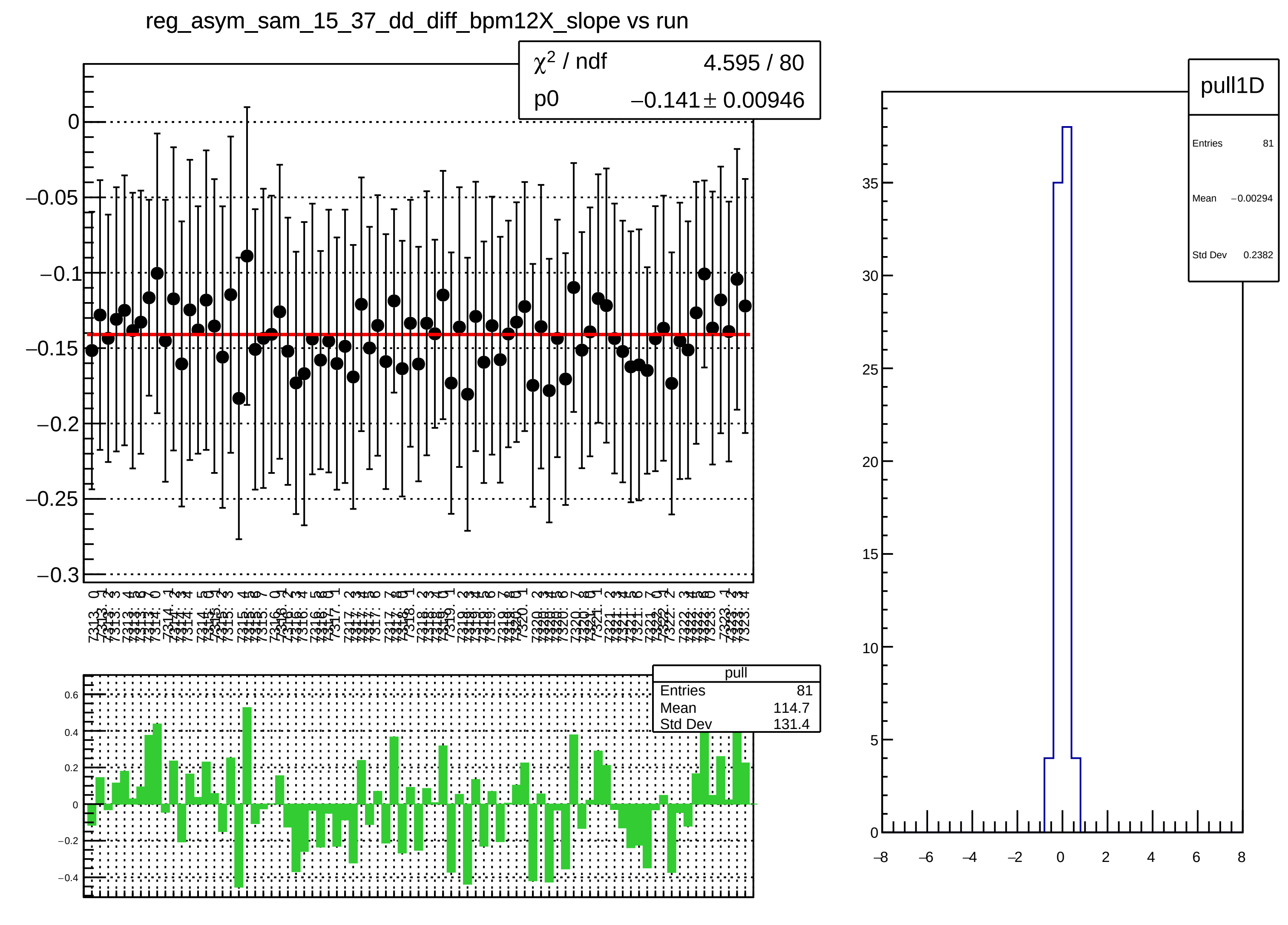




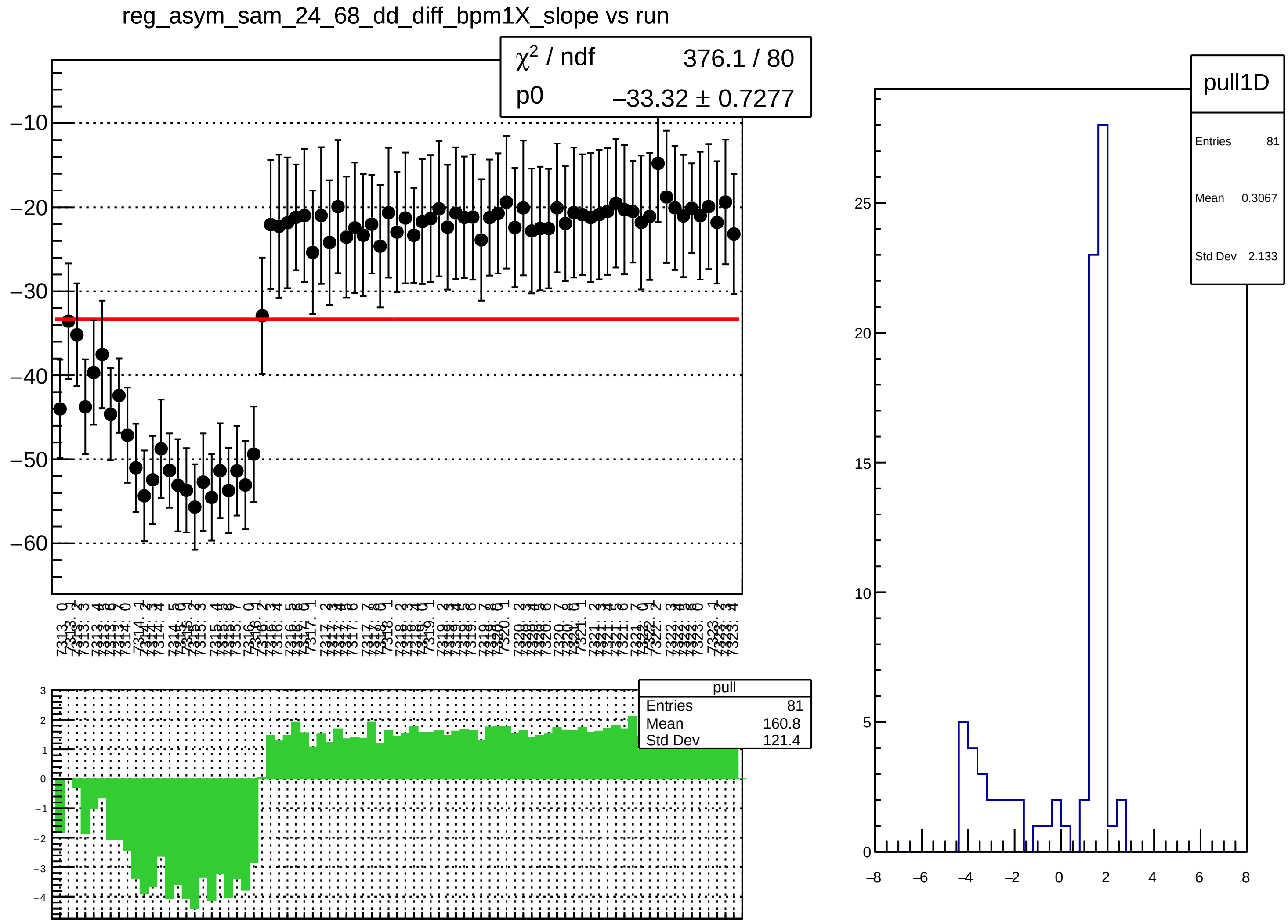

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 24.82 / 80
p0 22.68 ± 0.2497
pull
Entries 81
Mean 194
Std Dev 154.8
pull1D
Entries 81
Mean 0.0628
Std Dev 0.5499



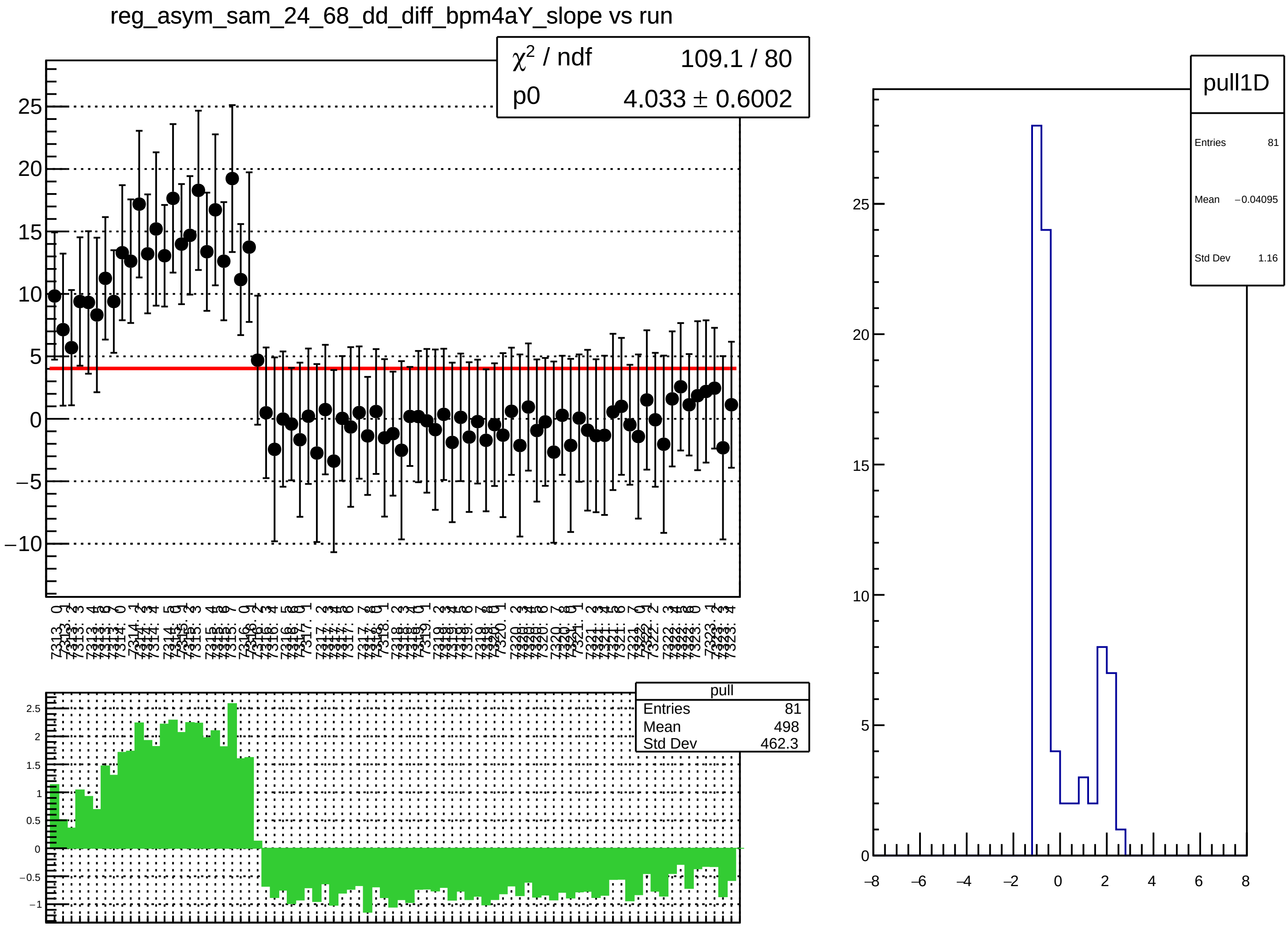
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 76.24 / 80
p0 23.23 ± 0.2243
pull
Entries 81
Mean 679.4
Std Dev 643.4
pull1D
Entries 81
Mean −0.02226
Std Dev 0.9699

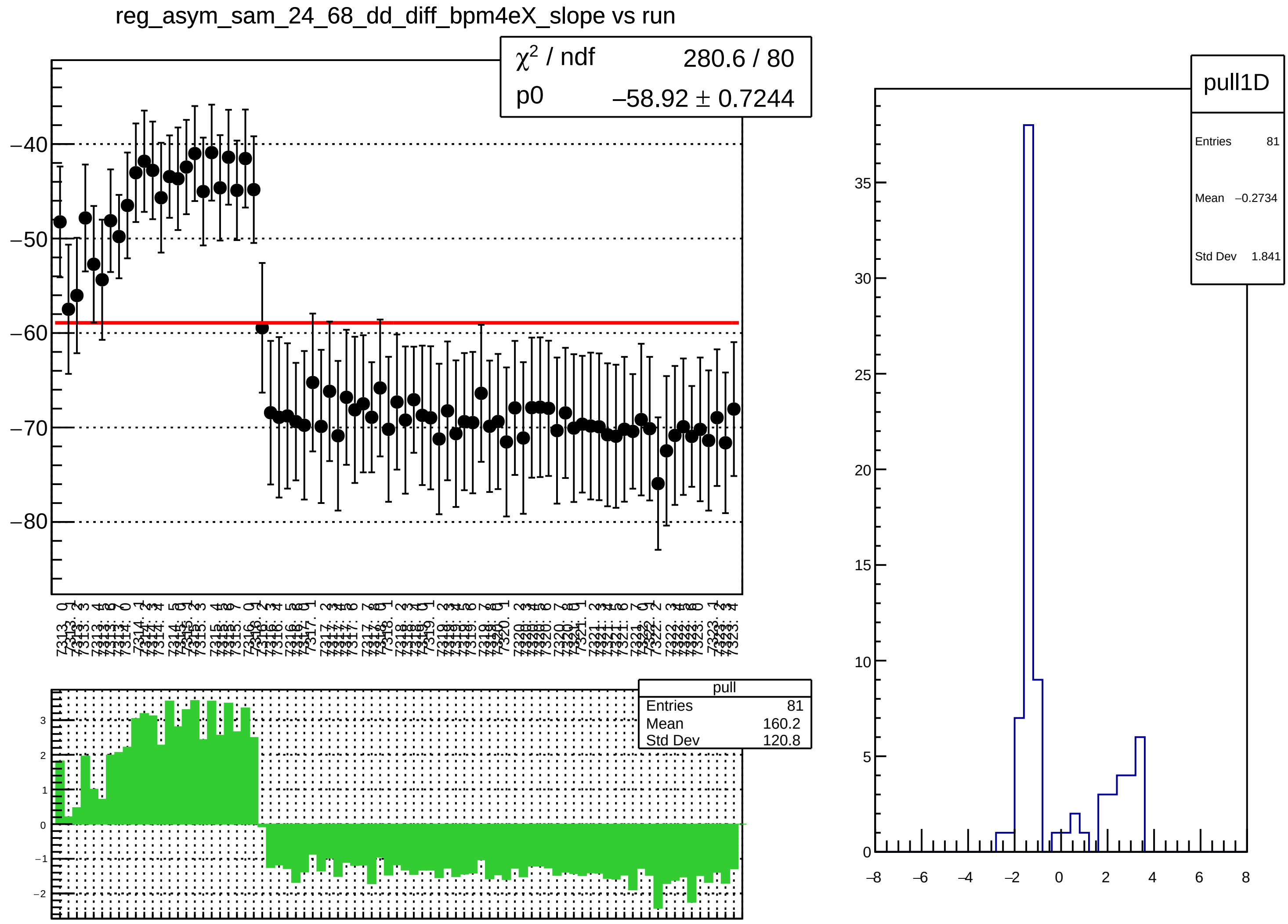


reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.595 / 80
p0 −0.141 ± 0.00946
pull
Entries 81
Mean 114.7
Std Dev 131.4
pull1D
Entries 81
Mean −0.00294
Std Dev 0.2382

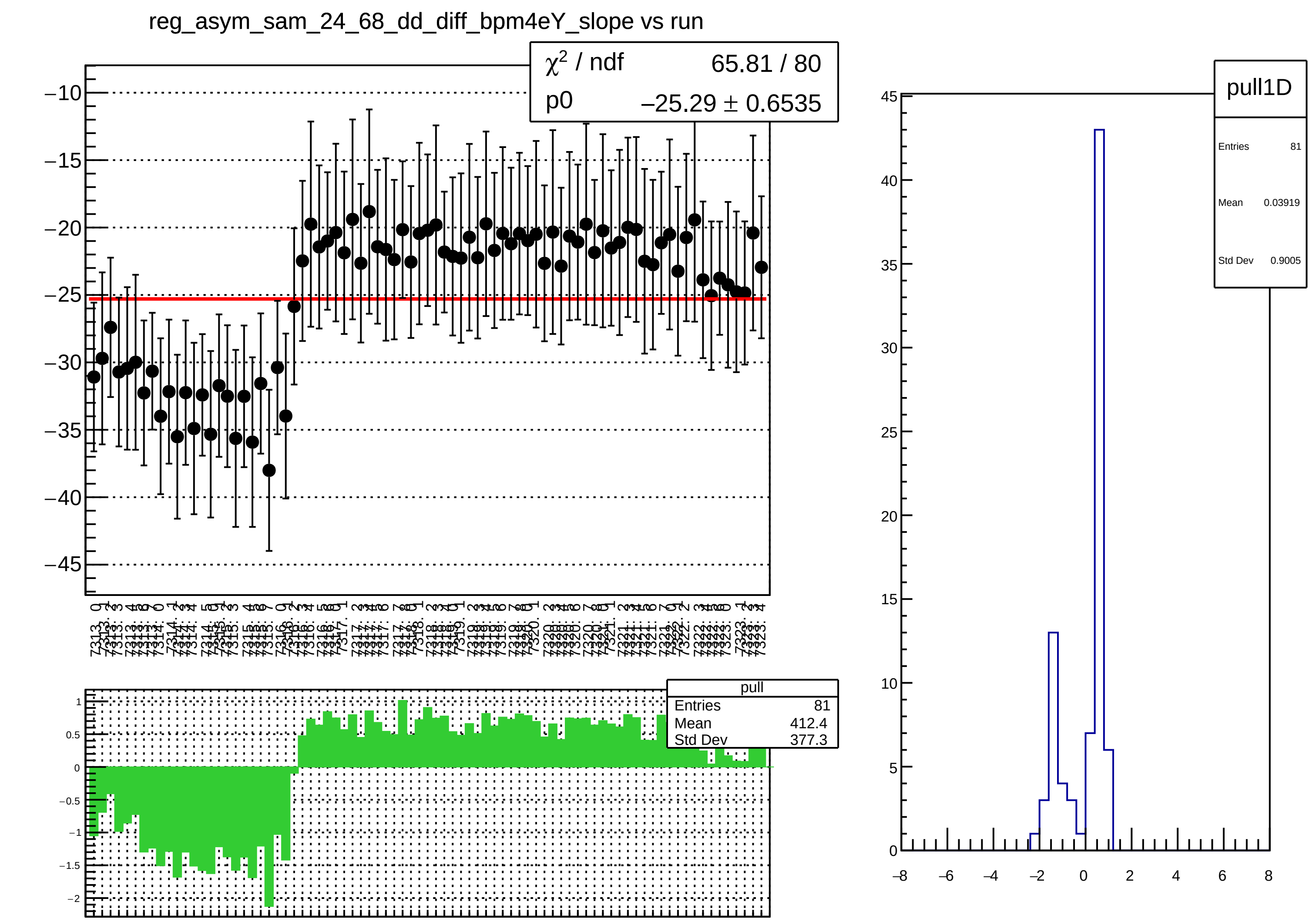


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 376.1 / 80
p0 −33.32 ± 0.7277
pull
Entries 81
Mean 160.8
Std Dev 121.4
pull1D
Entries 81
Mean 0.3067
Std Dev 2.133

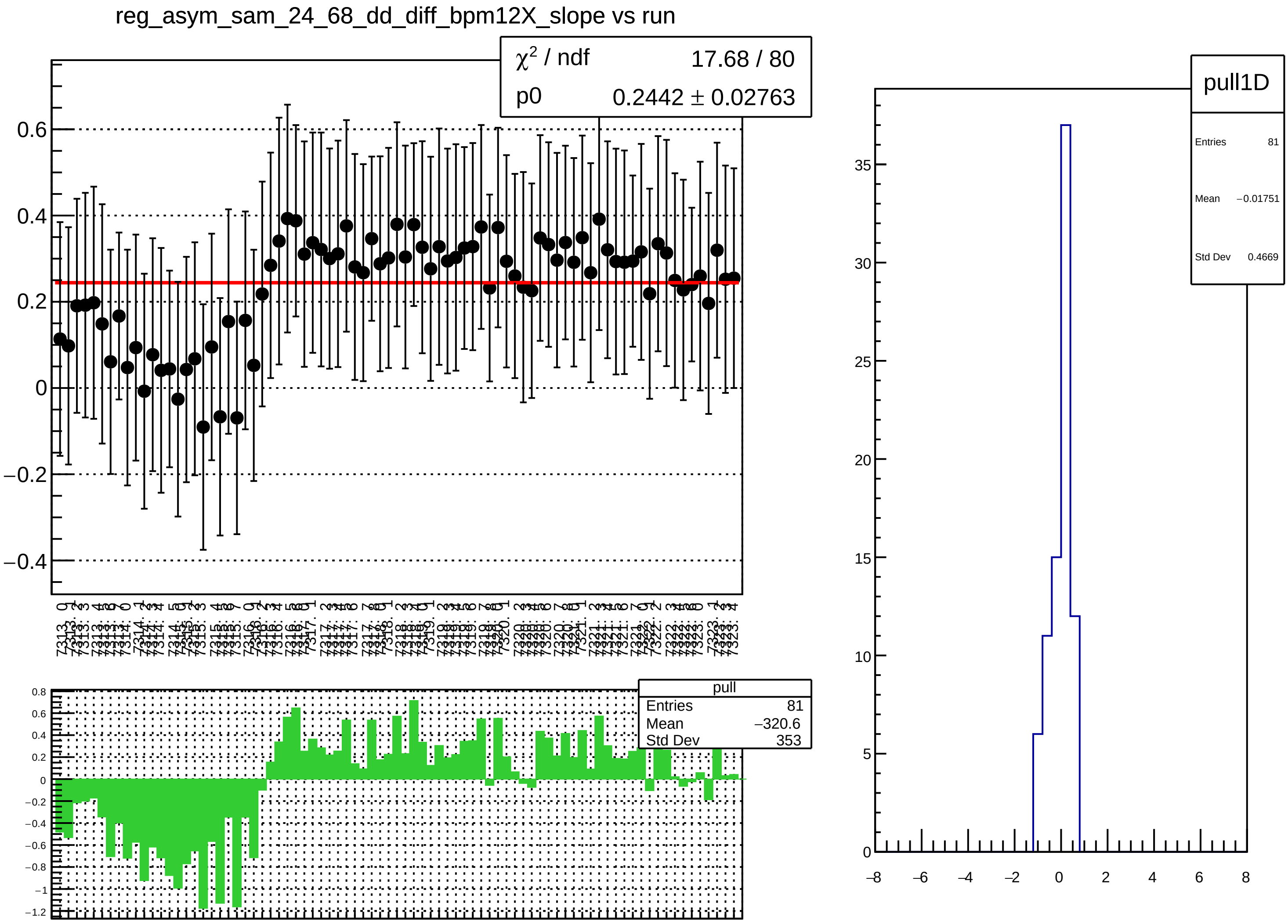

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ2 / ndf 109.1 / 80
p0 4.033 ± 0.6002
pull
Entries 81
Mean 498
Std Dev 462.3
pull1D
Entries 81
Mean −0.04095
Std Dev 1.16



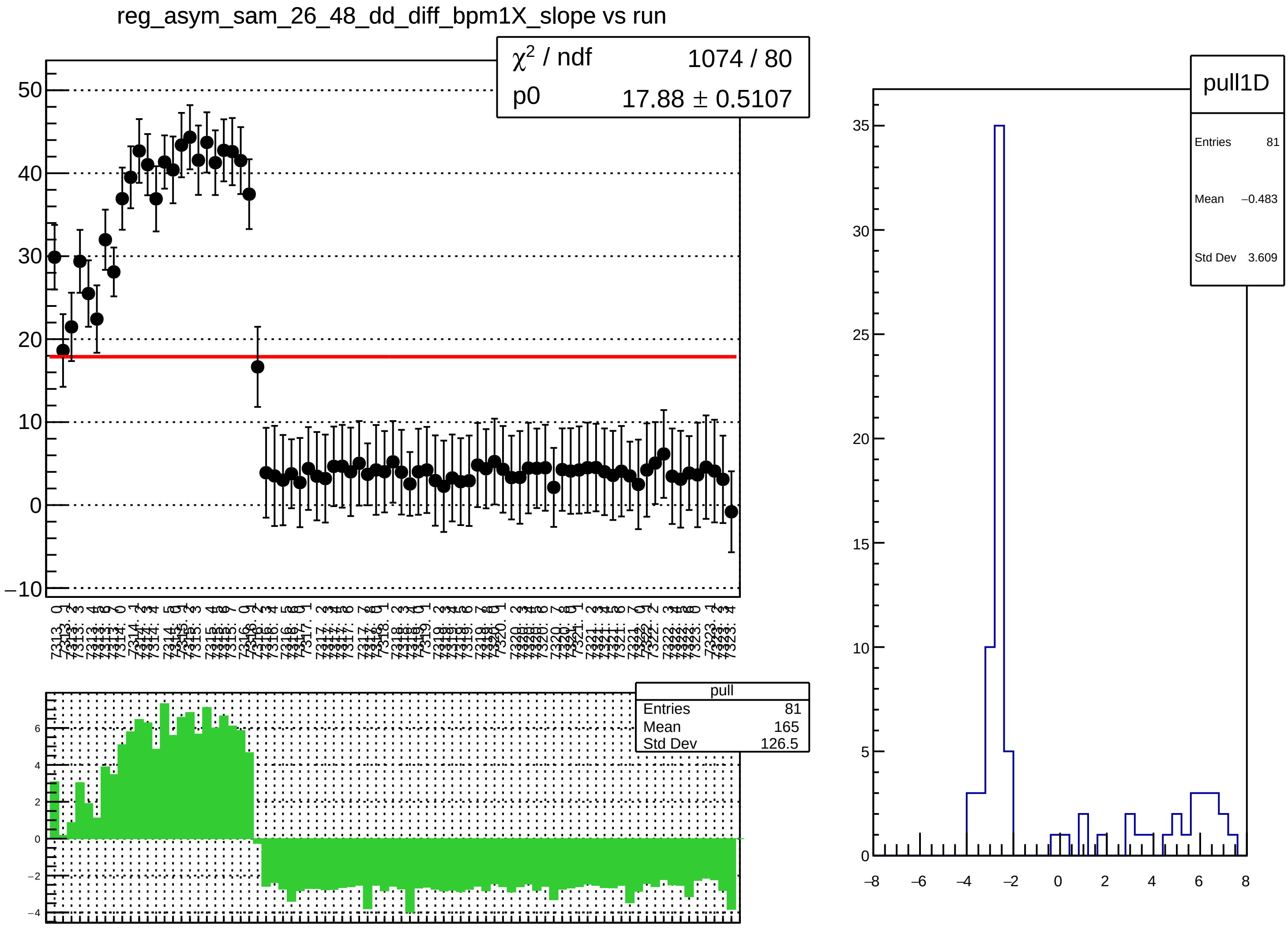
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 280.6 / 80
p0 −58.92 ± 0.7244
−40
−50
−60
−70
−80
pull
Entries 81
Mean 160.2
Std Dev 120.8
pull1D
Entries 81
Mean −0.2734
Std Dev 1.841



reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 65.81 / 80
p0 −25.29 ± 0.6535
−10
−15
−20
−25
−30
−35
−40
−45
pull
Entries 81
Mean 412.4
Std Dev 377.3
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.03919
Std Dev 0.9005
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

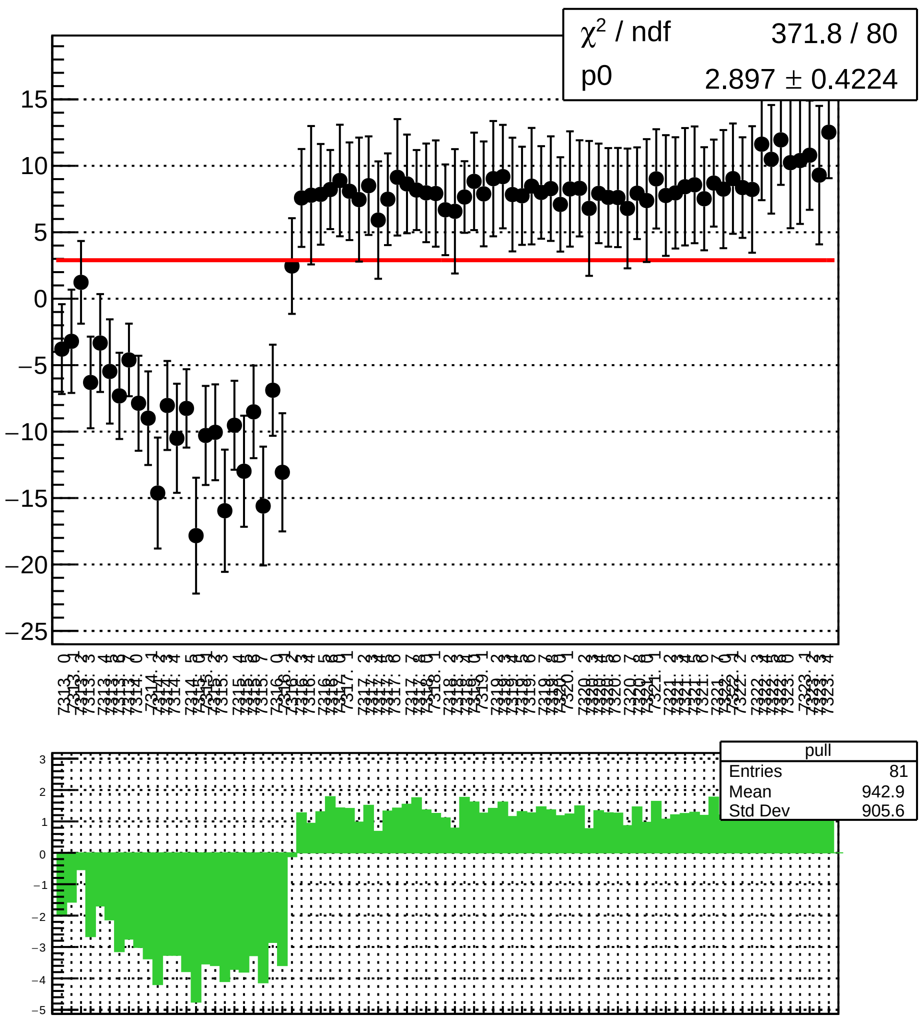


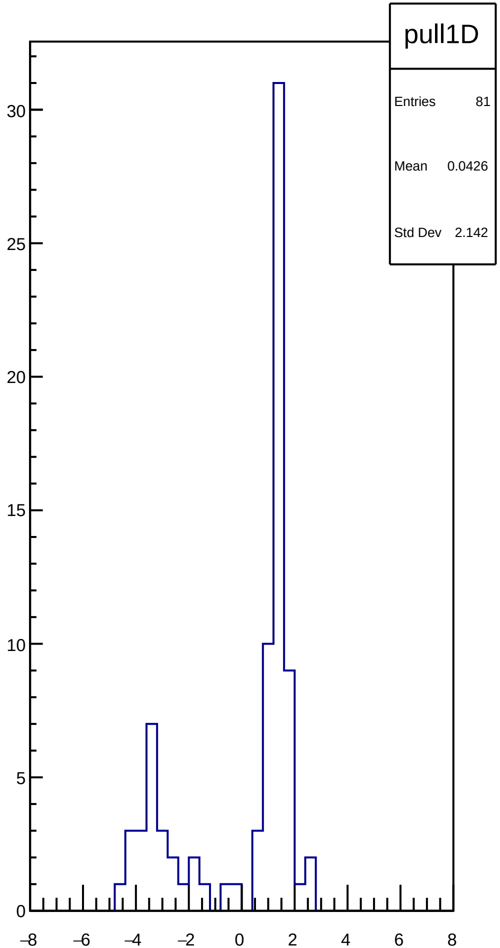
reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.68 / 80
p0 0.2442 ± 0.02763
pull
Entries 81
Mean −320.6
Std Dev 353
pull1D
Entries 81
Mean −0.01751
Std Dev 0.4669

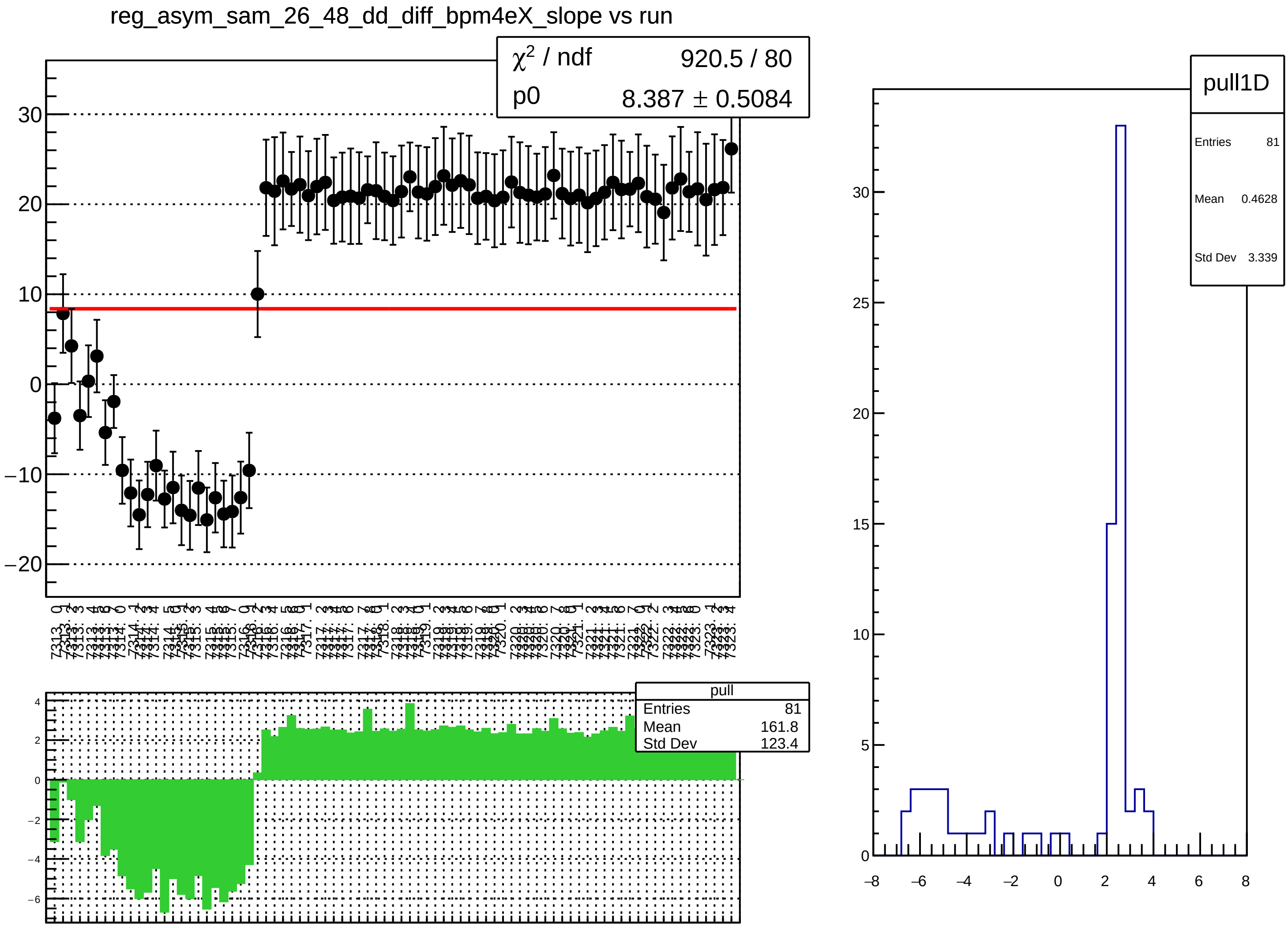


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1074 / 80
p0 17.88 ± 0.5107
pull
Entries 81
Mean 165
Std Dev 126.5
pull1D
Entries 81
Mean −0.483
Std Dev 3.609

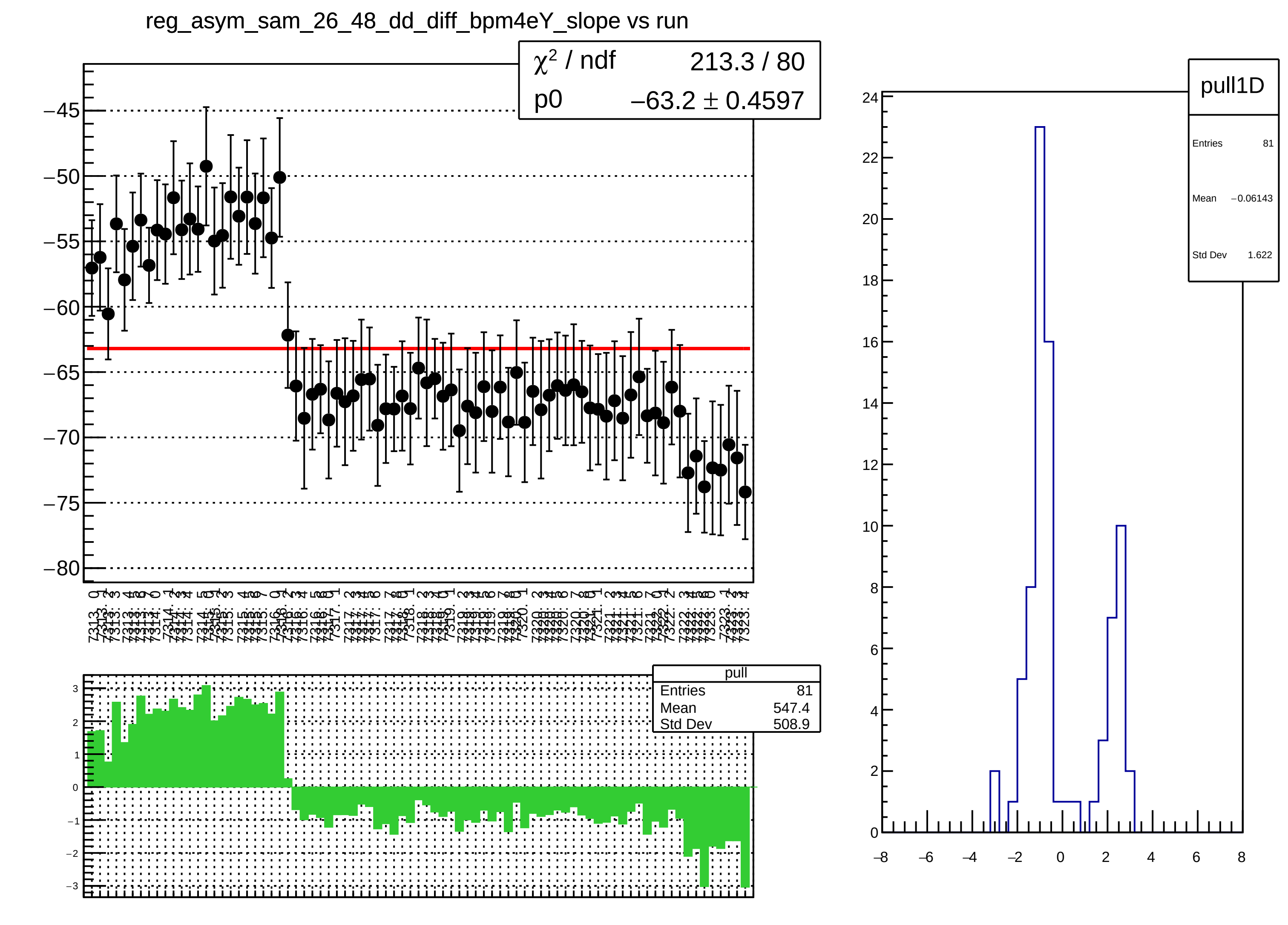
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run



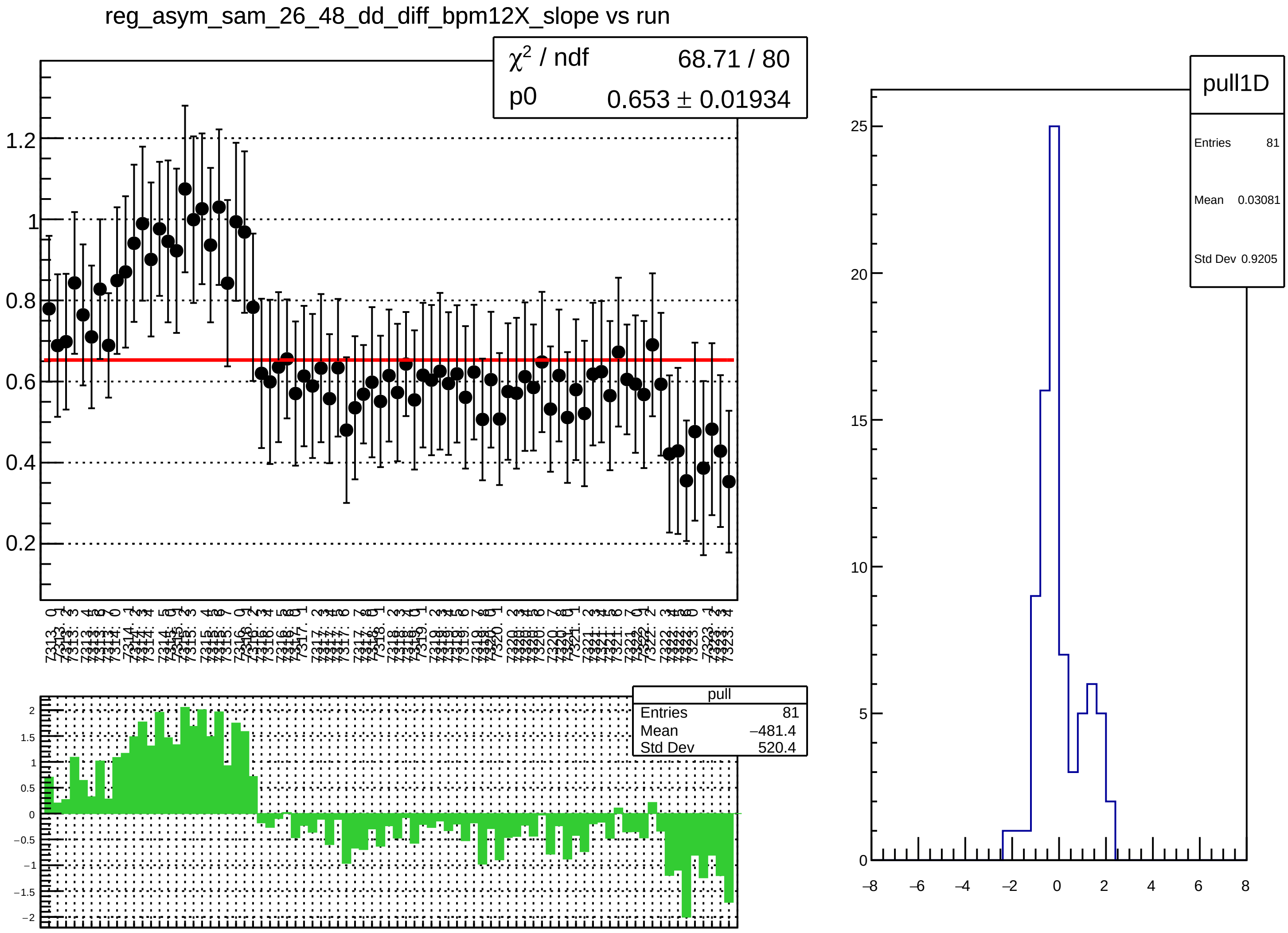




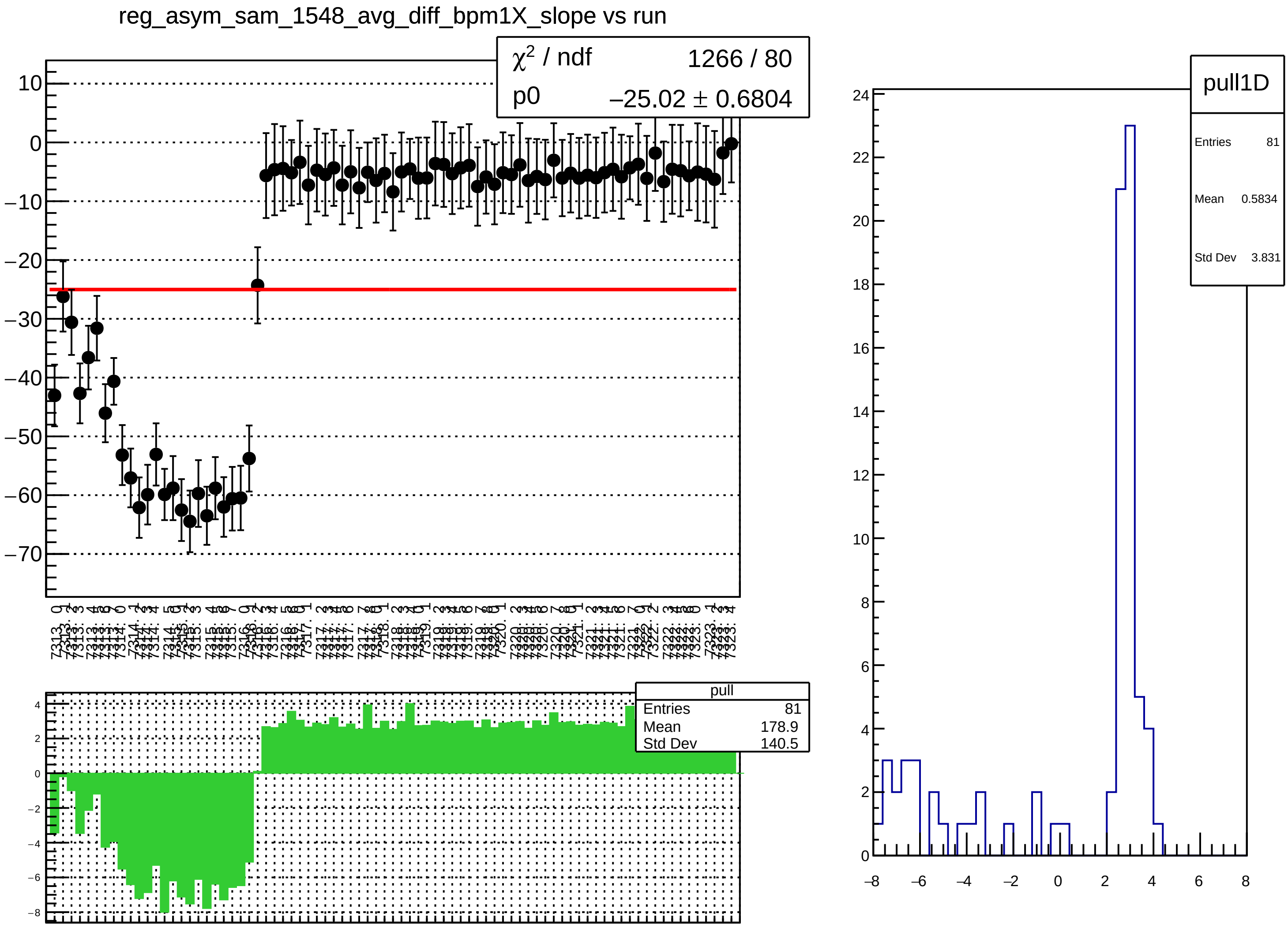
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 920.5 / 80
p0 8.387 ± 0.5084
pull
Entries 81
Mean 161.8
Std Dev 123.4
pull1D
Entries 81
Mean 0.4628
Std Dev 3.339



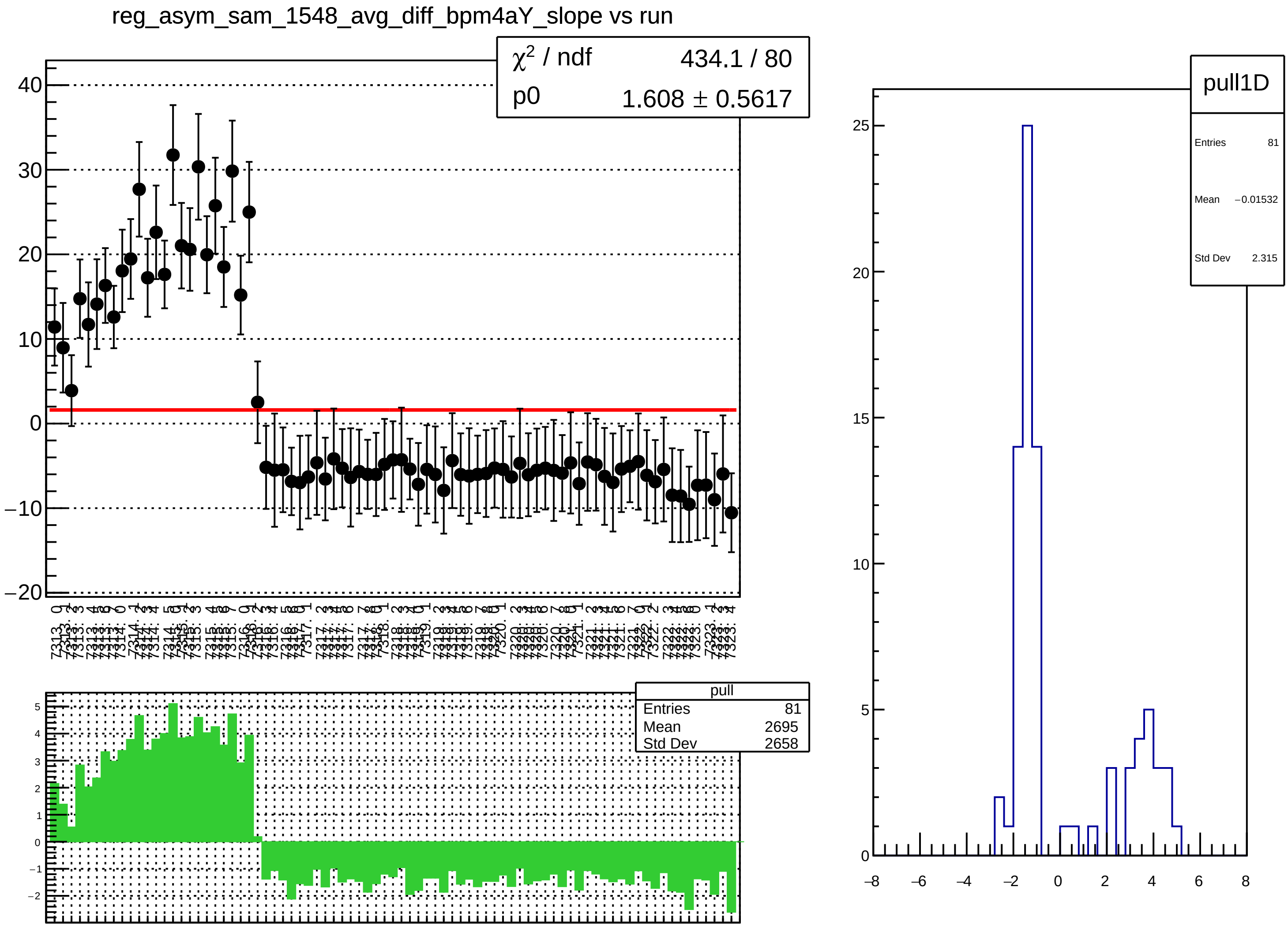
reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 213.3 / 80
p0 −63.2 ± 0.4597
pull
Entries 81
Mean 547.4
Std Dev 508.9
pull1D
Entries 81
Mean −0.06143
Std Dev 1.622



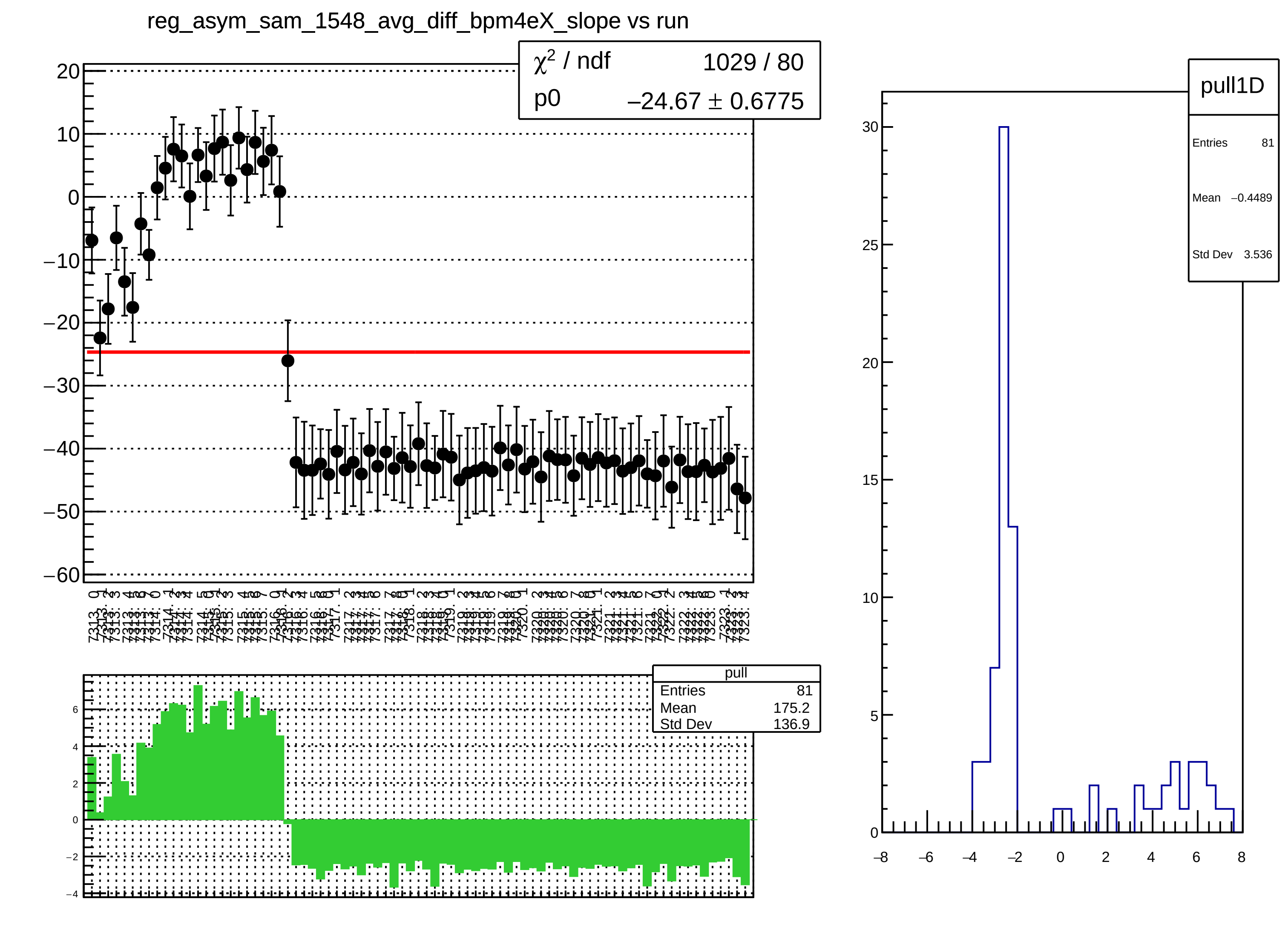
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ2 / ndf 68.71 / 80
p0 0.653 ± 0.01934
pull
Entries 81
Mean −481.4
Std Dev 520.4
pull1D
Entries 81
Mean 0.03081
Std Dev 0.9205



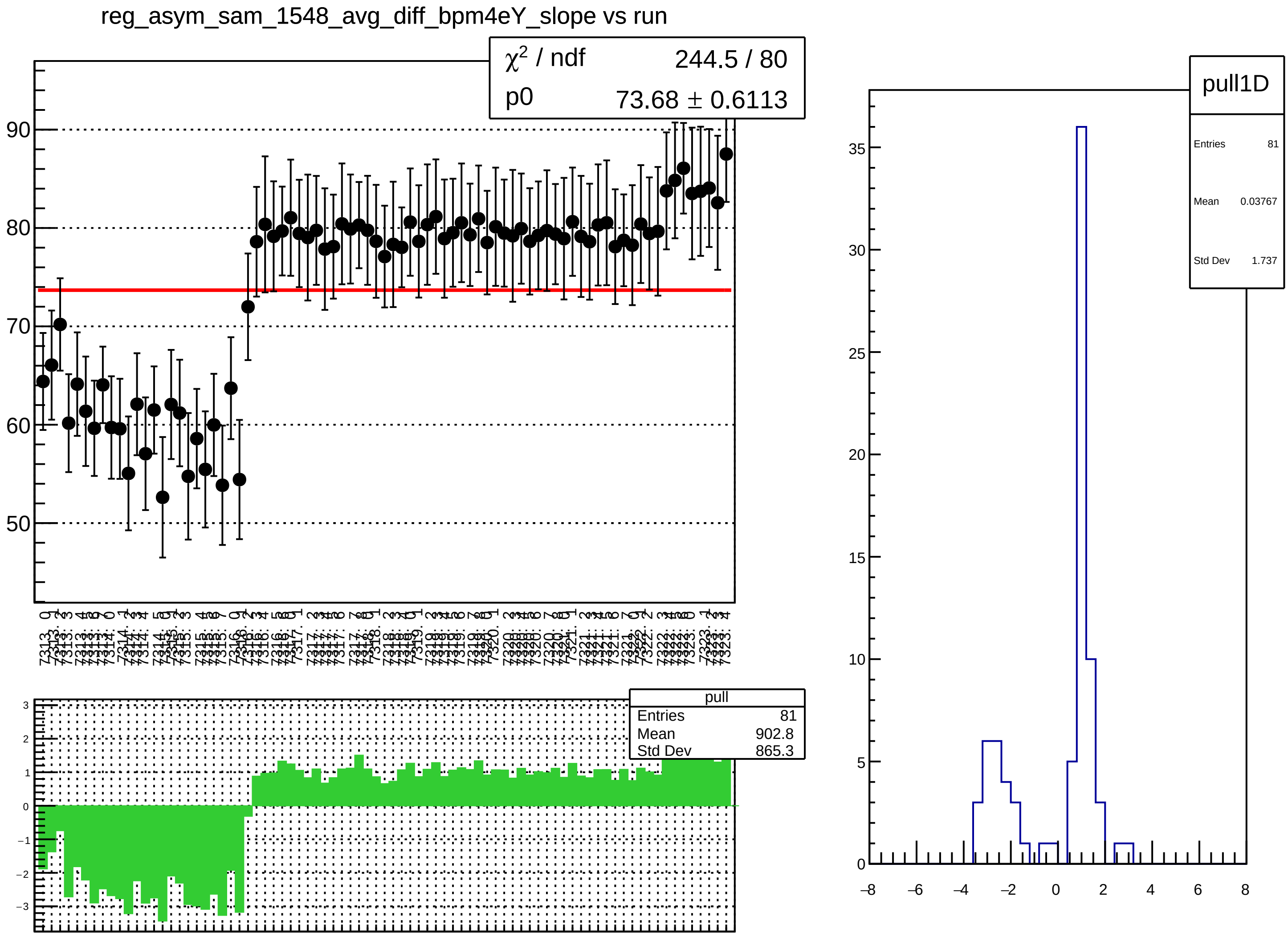
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1266 / 80
p0 −25.02 ± 0.6804
pull
Entries 81
Mean 178.9
Std Dev 140.5
pull1D
Entries 81
Mean 0.5834
Std Dev 3.831



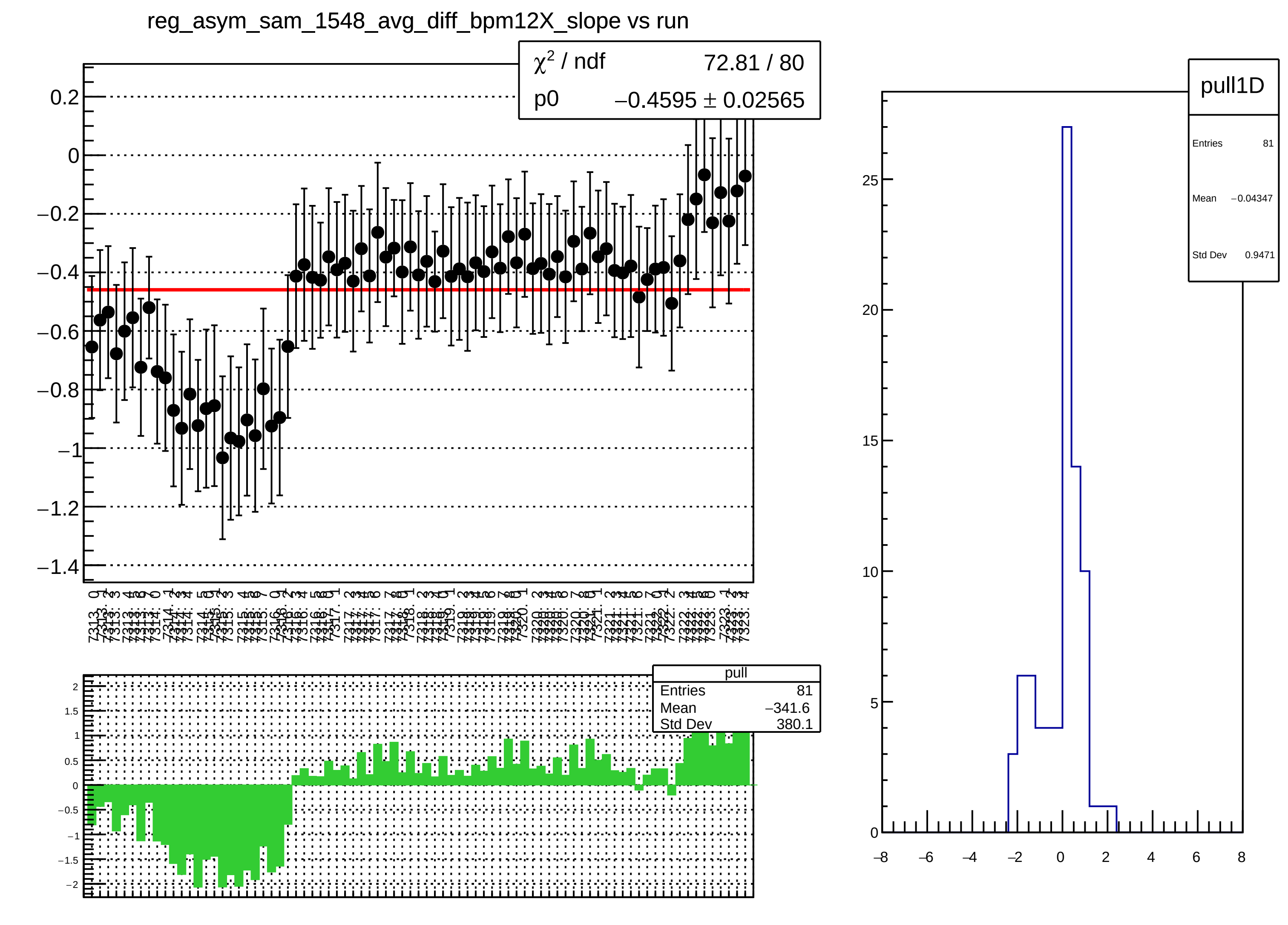
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ2 / ndf 434.1 / 80
p0 1.608 ± 0.5617
pull
Entries 81
Mean 2695
Std Dev 2658
pull1D
Entries 81
Mean −0.01532
Std Dev 2.315



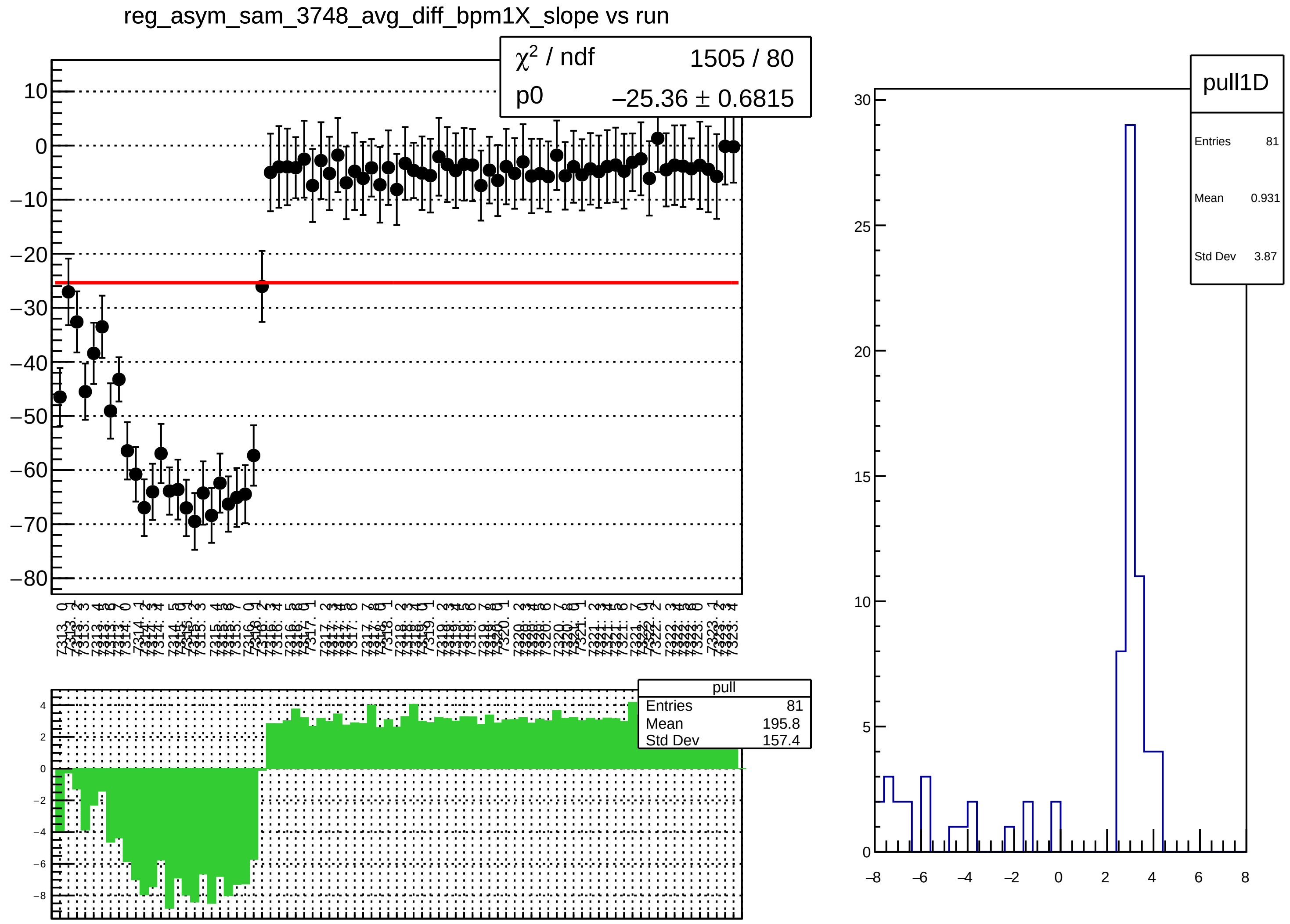
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ2 / ndf 1029 / 80
p0 −24.67 ± 0.6775
pull
Entries 81
Mean 175.2
Std Dev 136.9
pull1D
Entries 81
Mean −0.4489
Std Dev 3.536



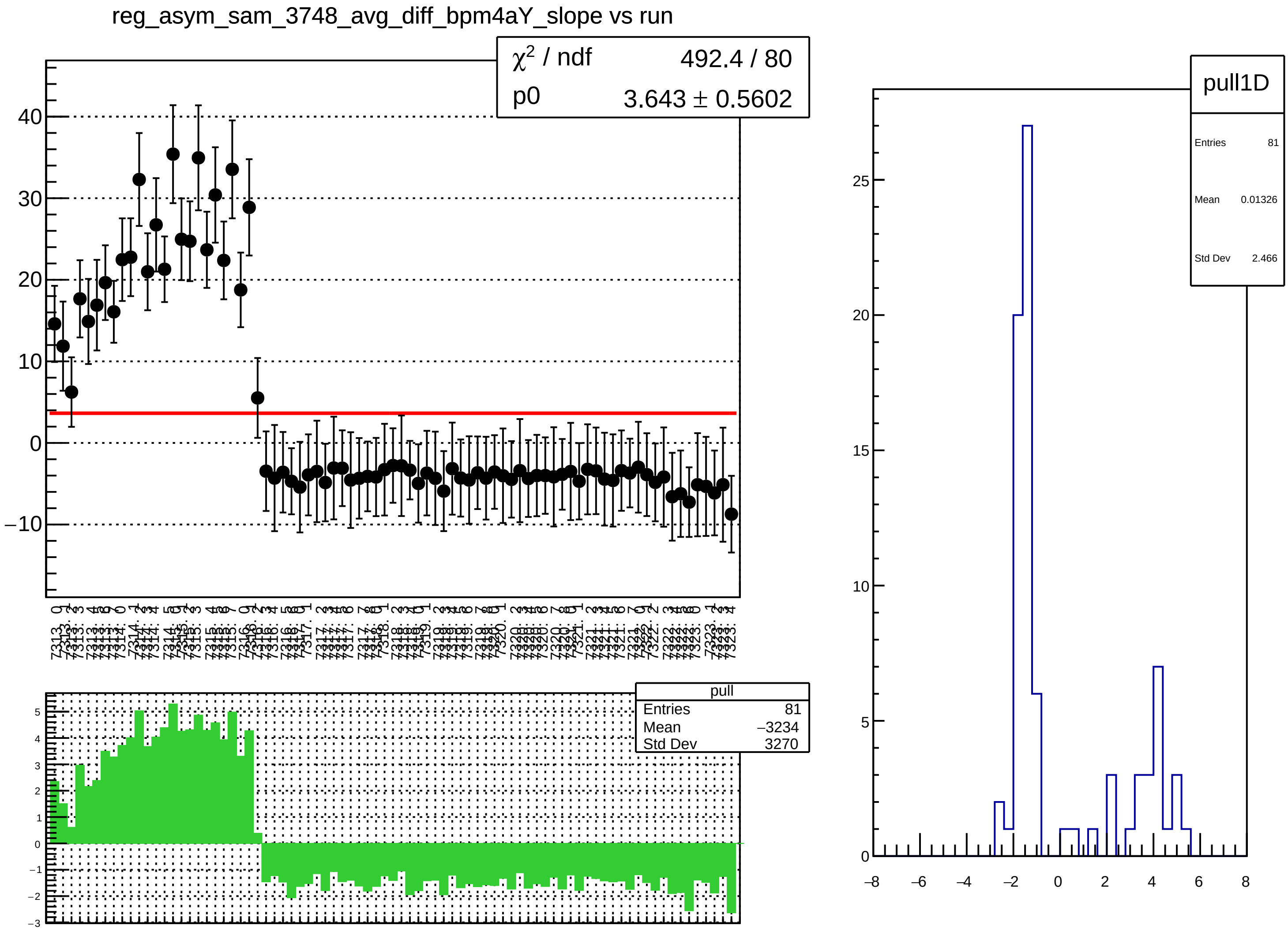
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ2 / ndf 244.5 / 80
p0 73.68 ± 0.6113
pull
Entries 81
Mean 902.8
Std Dev 865.3
pull1D
Entries 81
Mean 0.03767
Std Dev 1.737



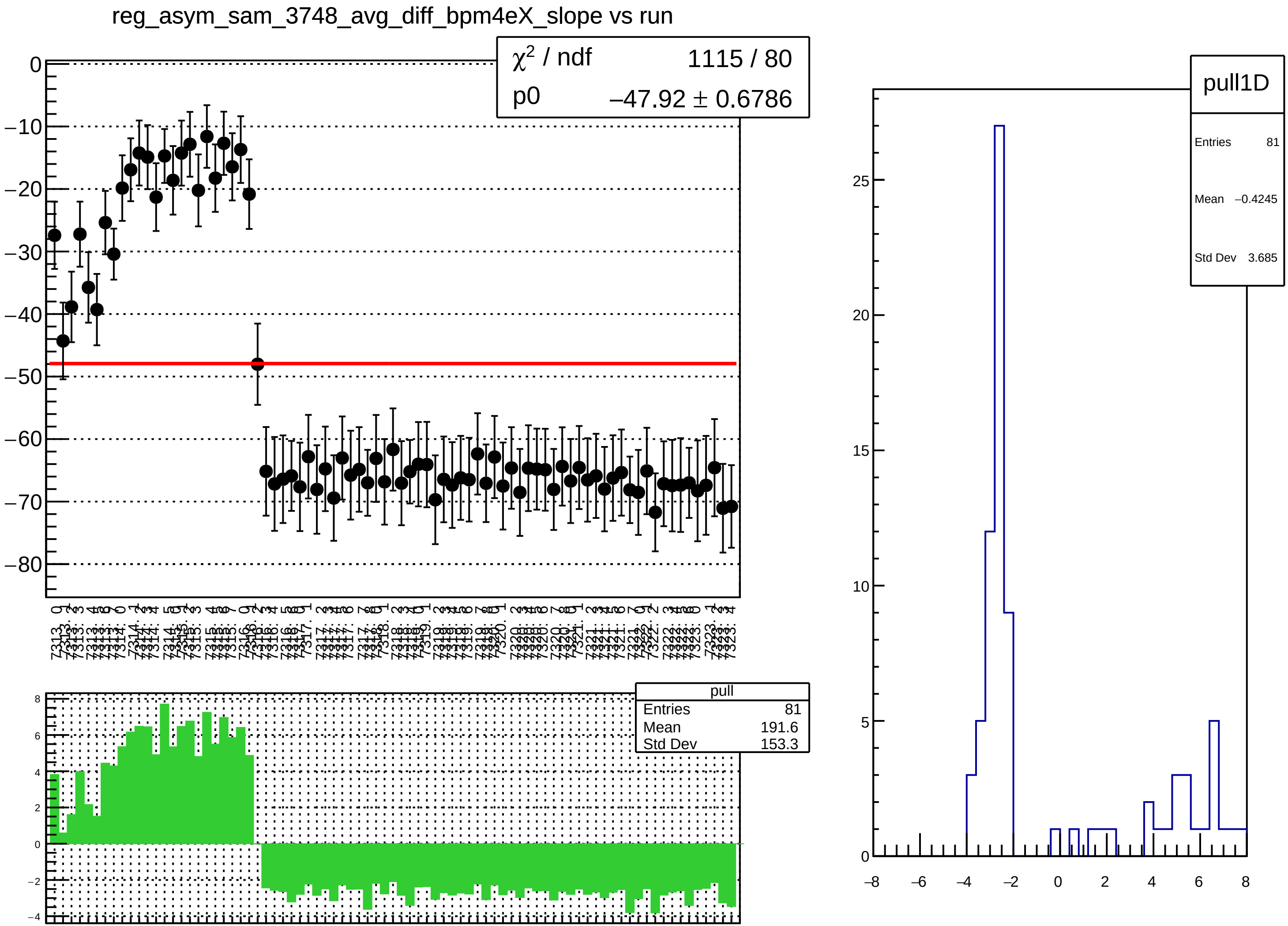
reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 72.81 / 80
p0 −0.4595 ± 0.02565
pull
Entries 81
Mean −341.6
Std Dev 380.1
pull1D
Entries 81
Mean −0.04347
Std Dev 0.9471



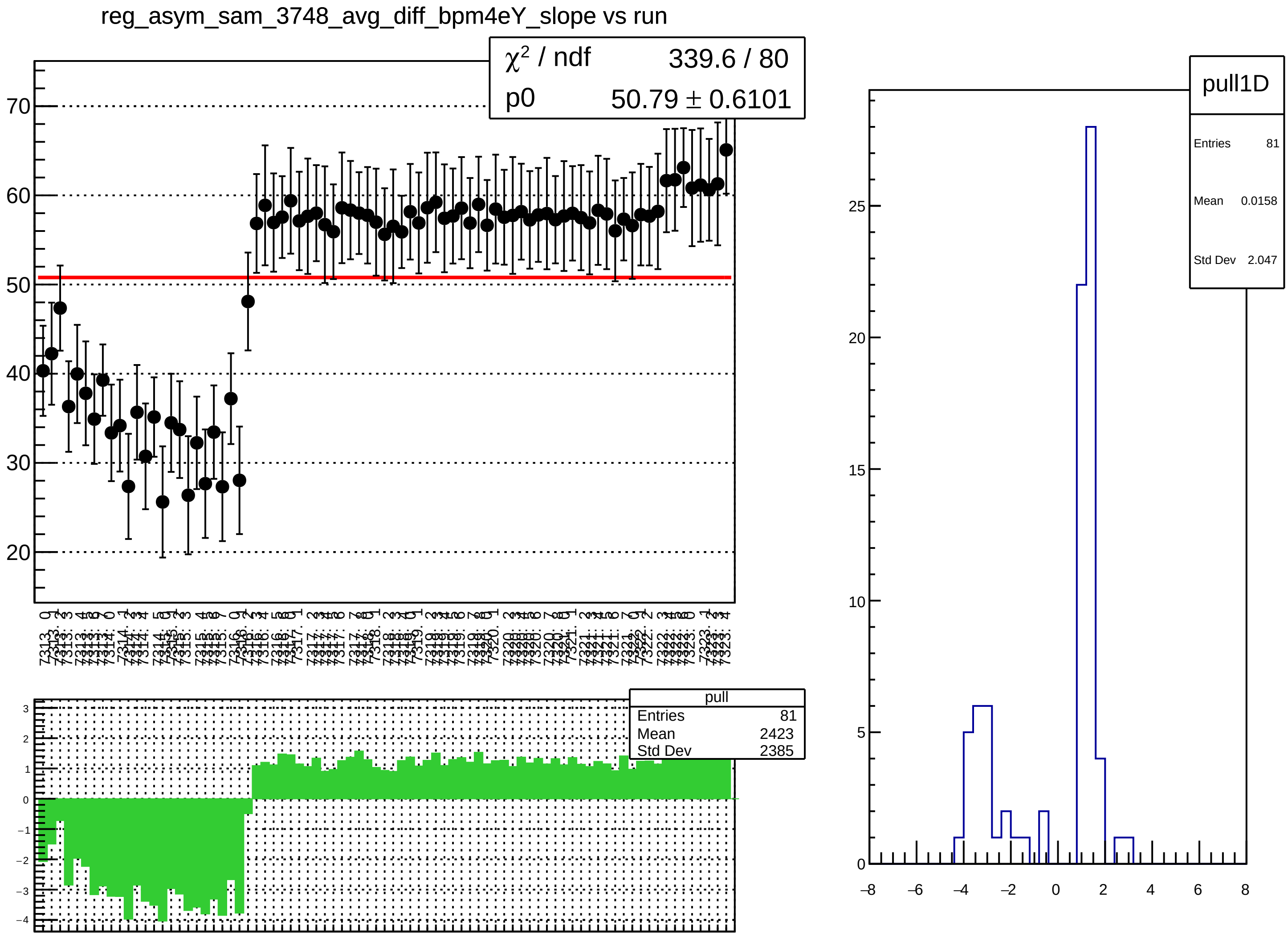
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1505 / 80
p0 −25.36 ± 0.6815
pull
Entries 81
Mean 195.8
Std Dev 157.4
pull1D
Entries 81
Mean 0.931
Std Dev 3.87



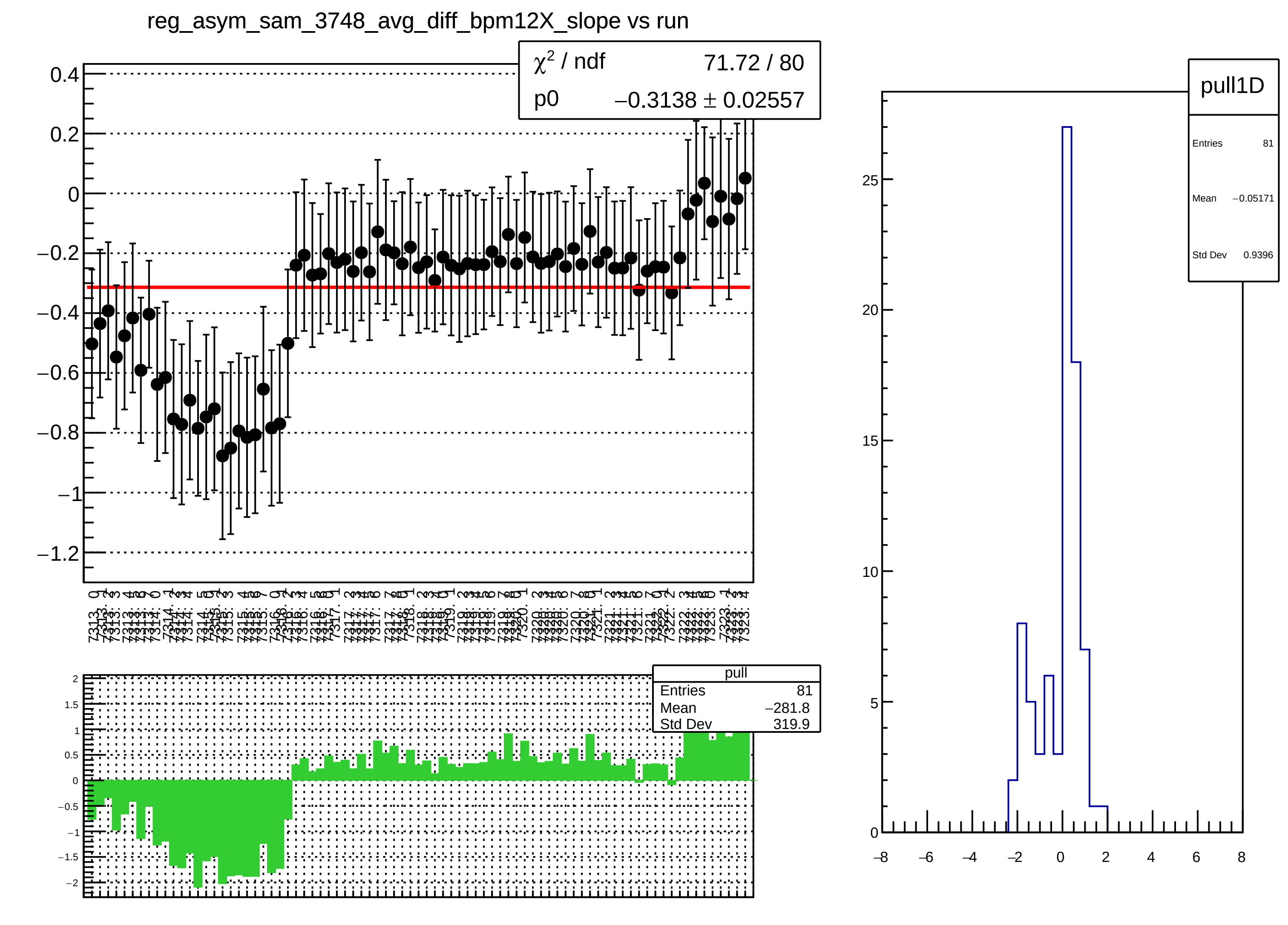
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ2 / ndf 492.4 / 80
p0 3.643 ± 0.5602
pull
Entries 81
Mean −3234
Std Dev 3270
pull1D
Entries 81
Mean 0.01326
Std Dev 2.466



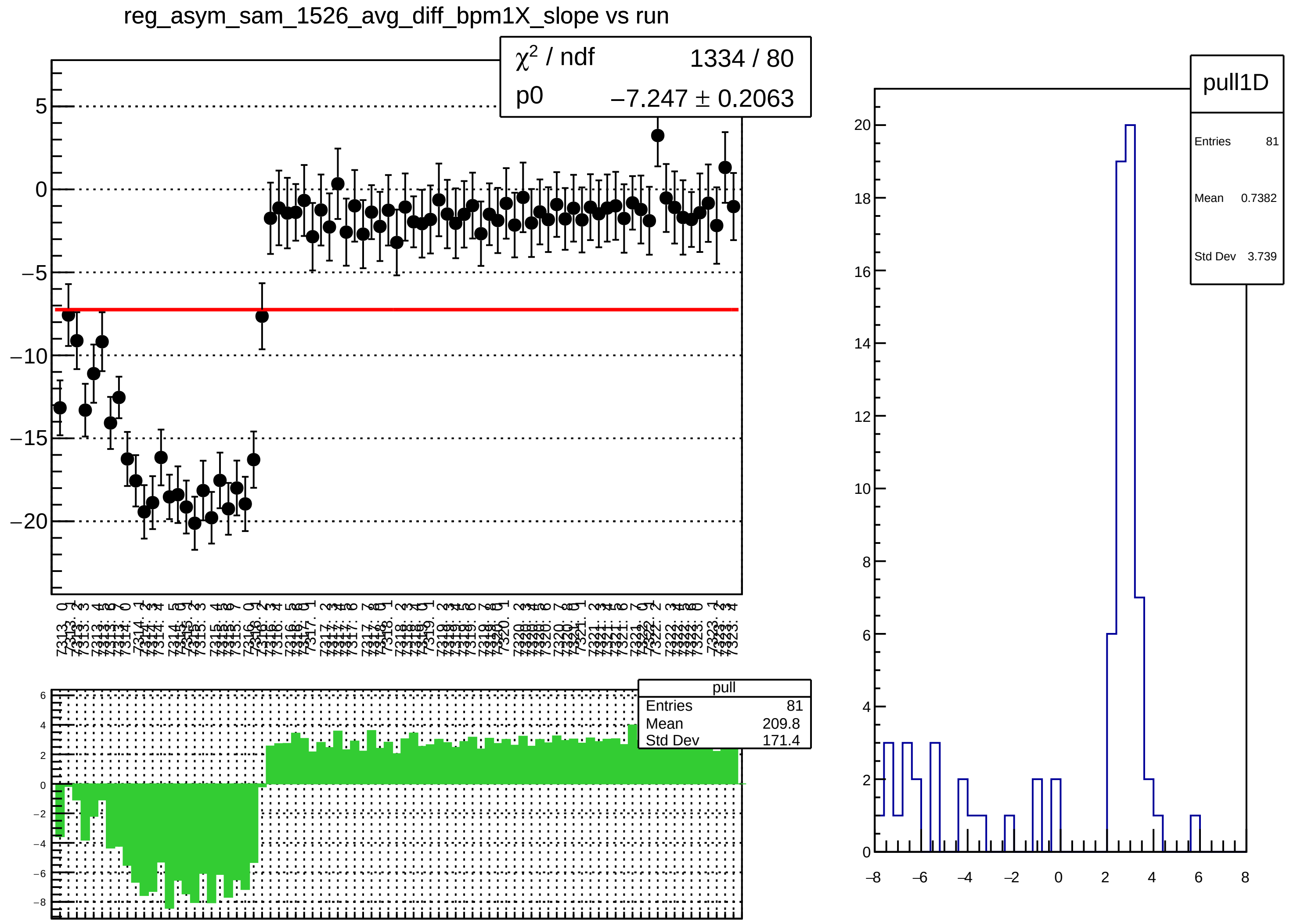
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ2 / ndf 1115 / 80
p0 −47.92 ± 0.6786
pull
Entries 81
Mean 191.6
Std Dev 153.3
pull1D
Entries 81
Mean −0.4245
Std Dev 3.685

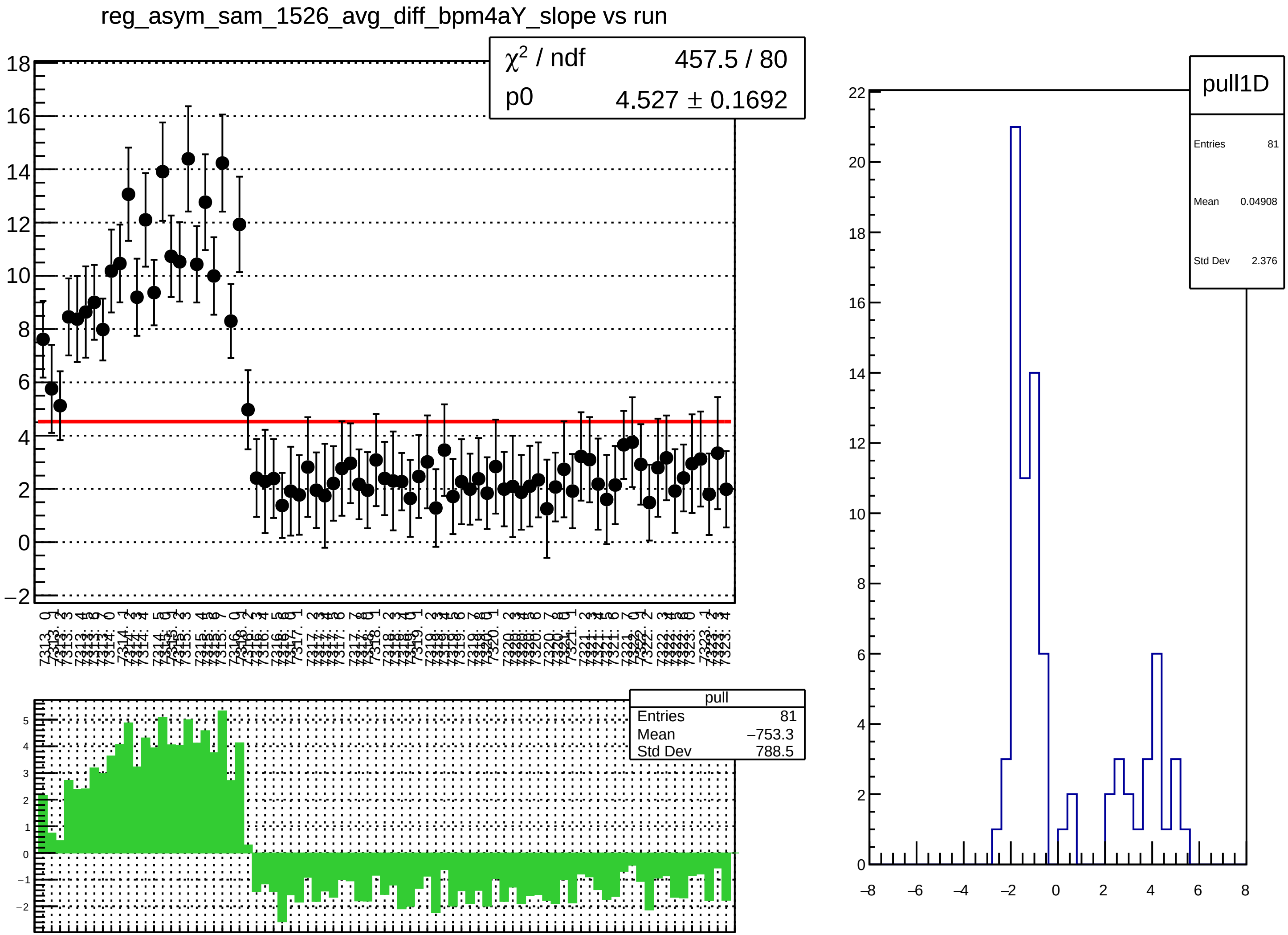


reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 339.6 / 80
p0 50.79 ± 0.6101
pull
Entries 81
Mean 2423
Std Dev 2385
pull1D
Entries 81
Mean 0.0158
Std Dev 2.047

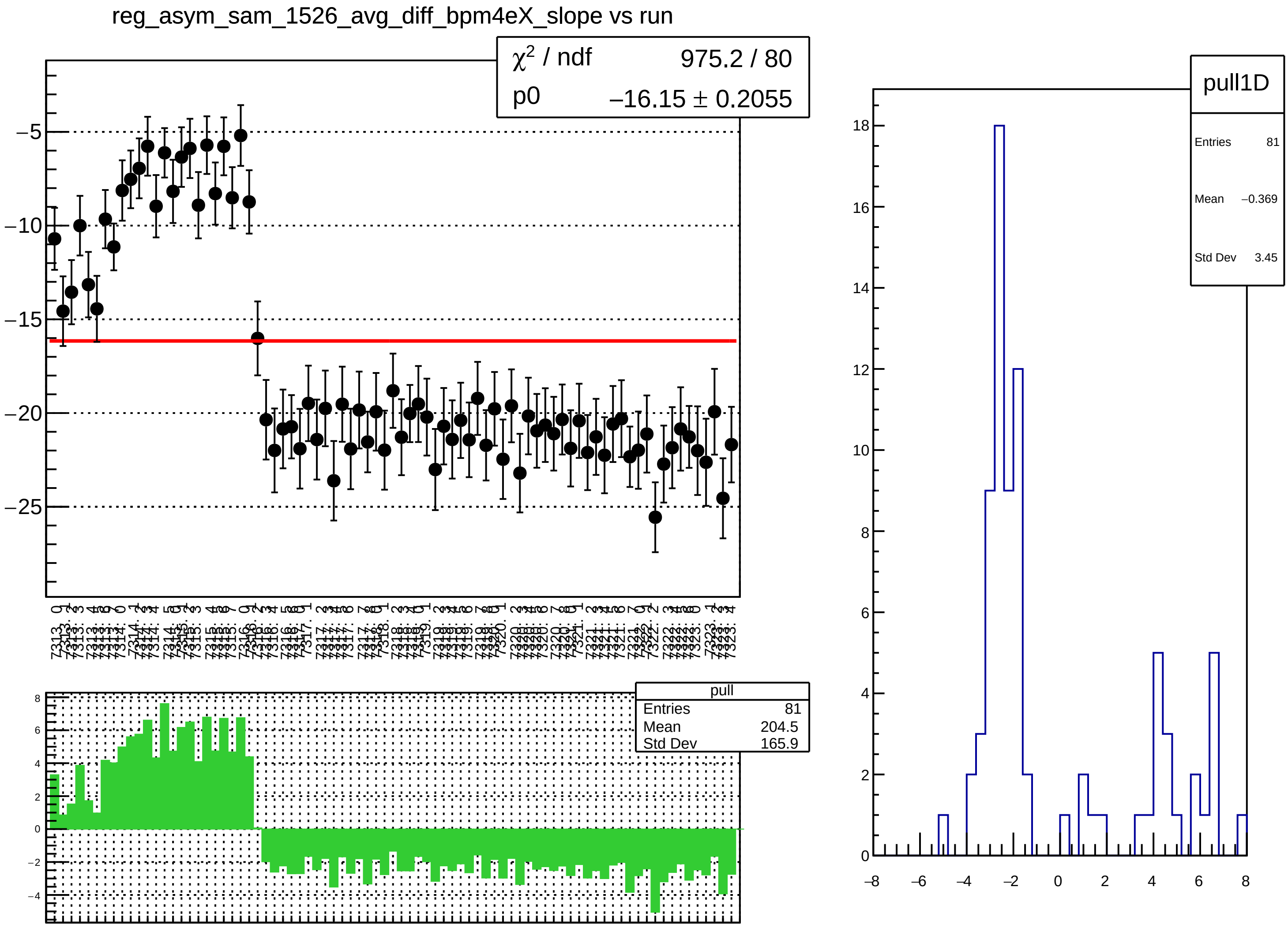


reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 71.72 / 80
p0 −0.3138 ± 0.02557
pull
Entries 81
Mean −281.8
Std Dev 319.9
pull1D
Entries 81
Mean −0.05171
Std Dev 0.9396

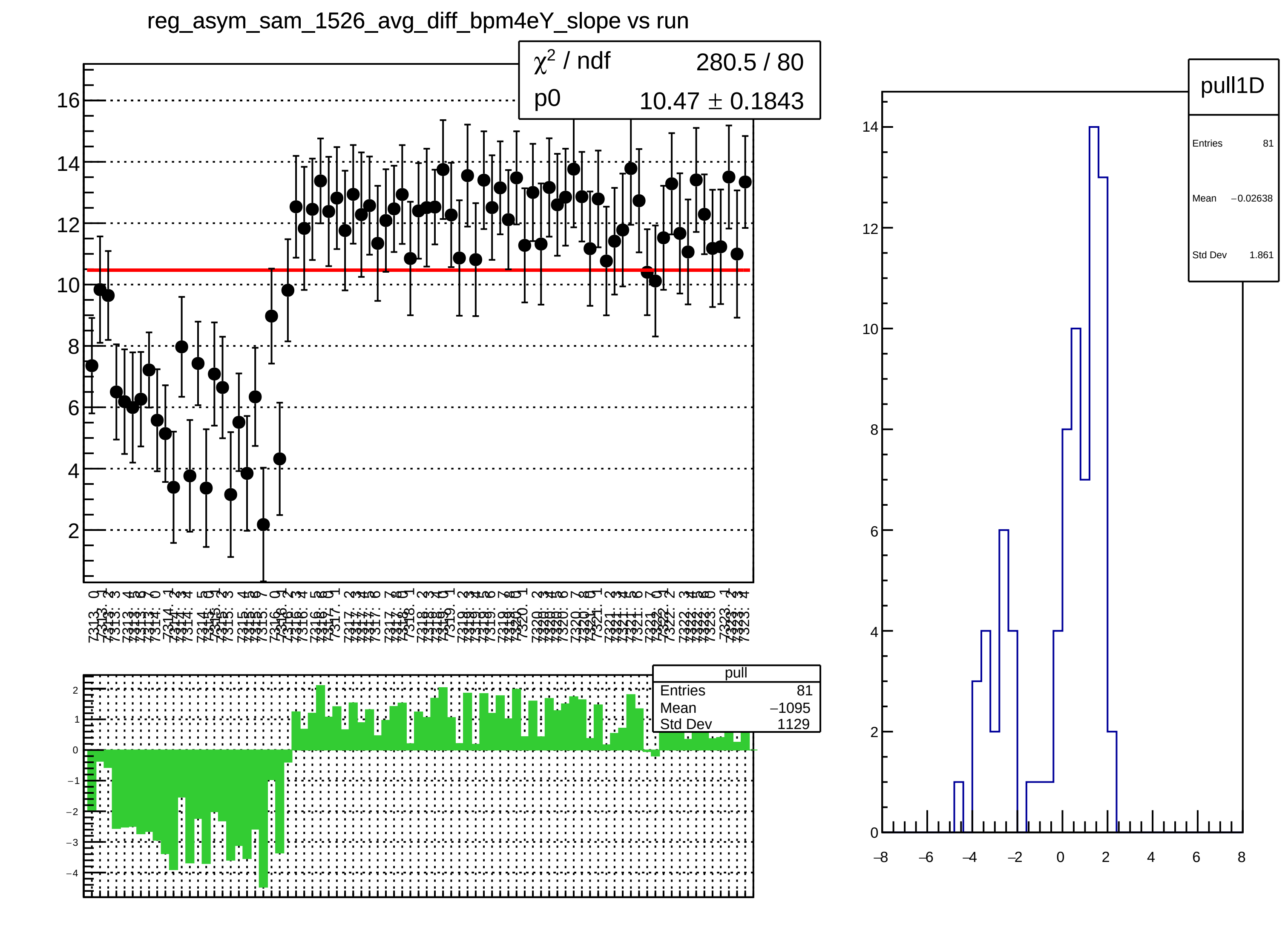

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1334 / 80
p0 −7.247 ± 0.2063
pull
Entries 81
Mean 209.8
Std Dev 171.4
pull1D
Entries 81
Mean 0.7382
Std Dev 3.739



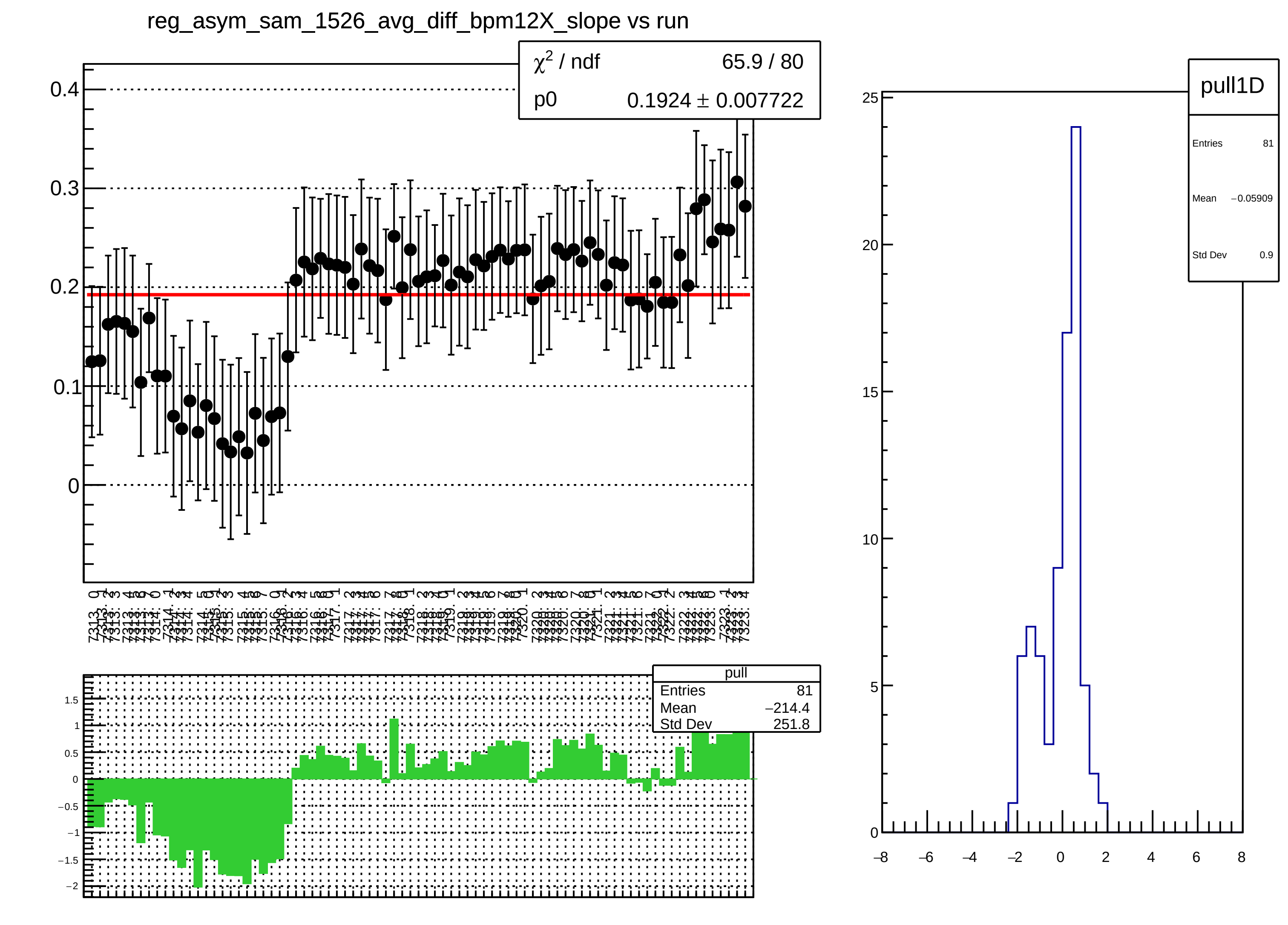
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 457.5 / 80
p0 4.527 ± 0.1692
pull
Entries 81
Mean −753.3
Std Dev 788.5
pull1D
Entries 81
Mean 0.04908
Std Dev 2.376



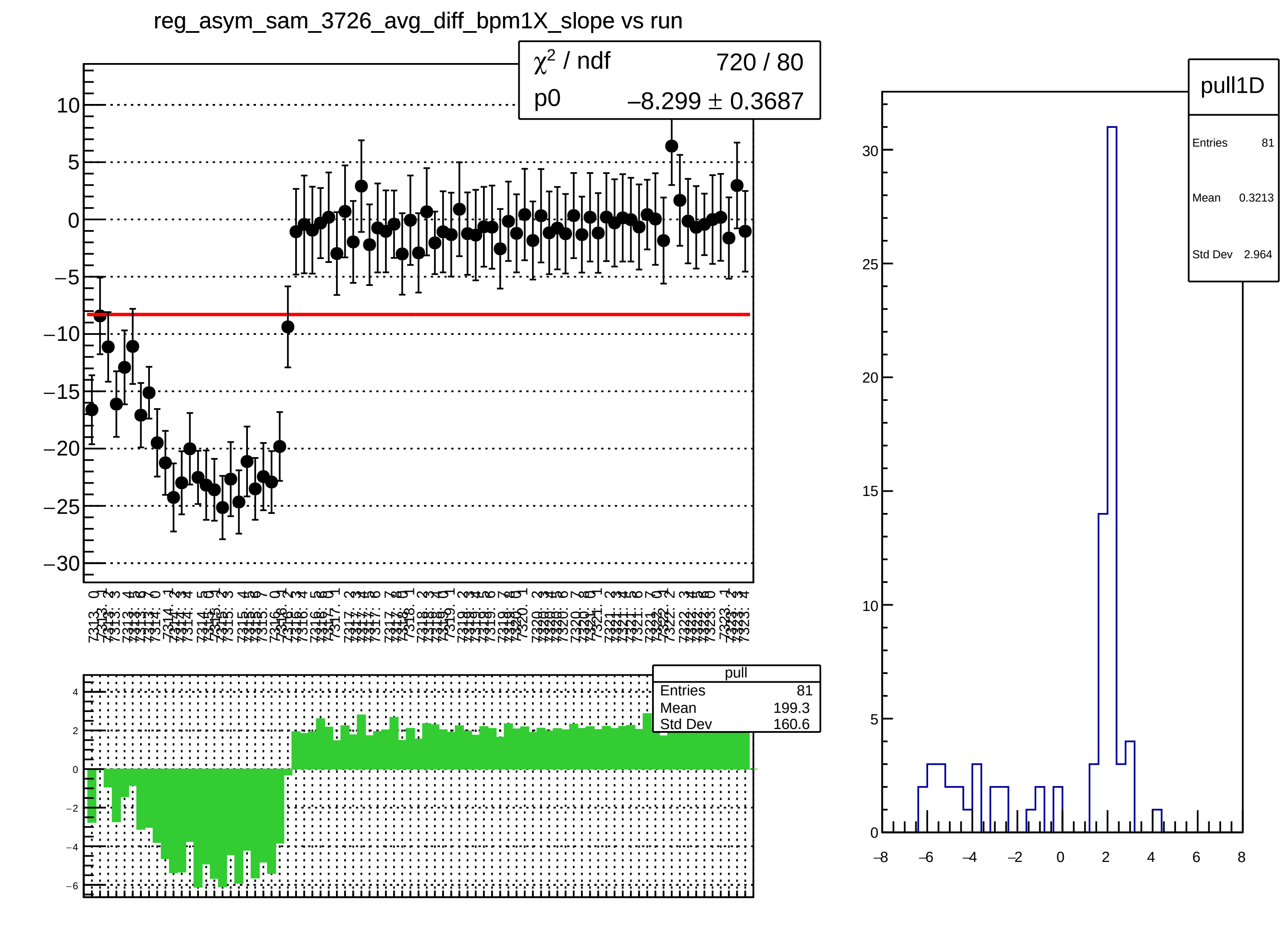
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 975.2 / 80
p0 −16.15 ± 0.2055
pull
Entries 81
Mean 204.5
Std Dev 165.9
pull1D
Entries 81
Mean −0.369
Std Dev 3.45

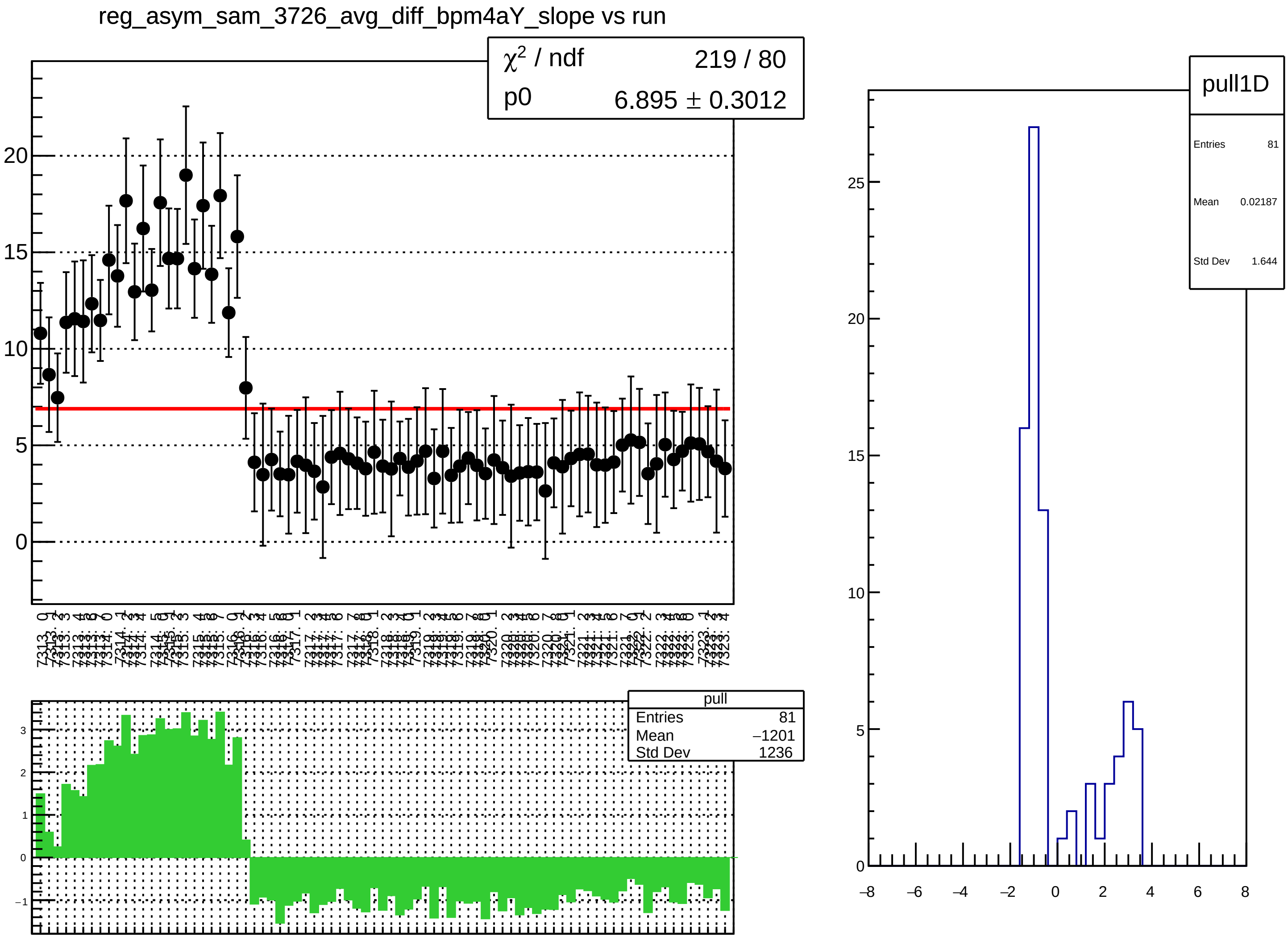


reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ2 / ndf 280.5 / 80
p0 10.47 ± 0.1843
pull
Entries 81
Mean −1095
Std Dev 1129
pull1D
Entries 81
Mean −0.02638
Std Dev 1.861

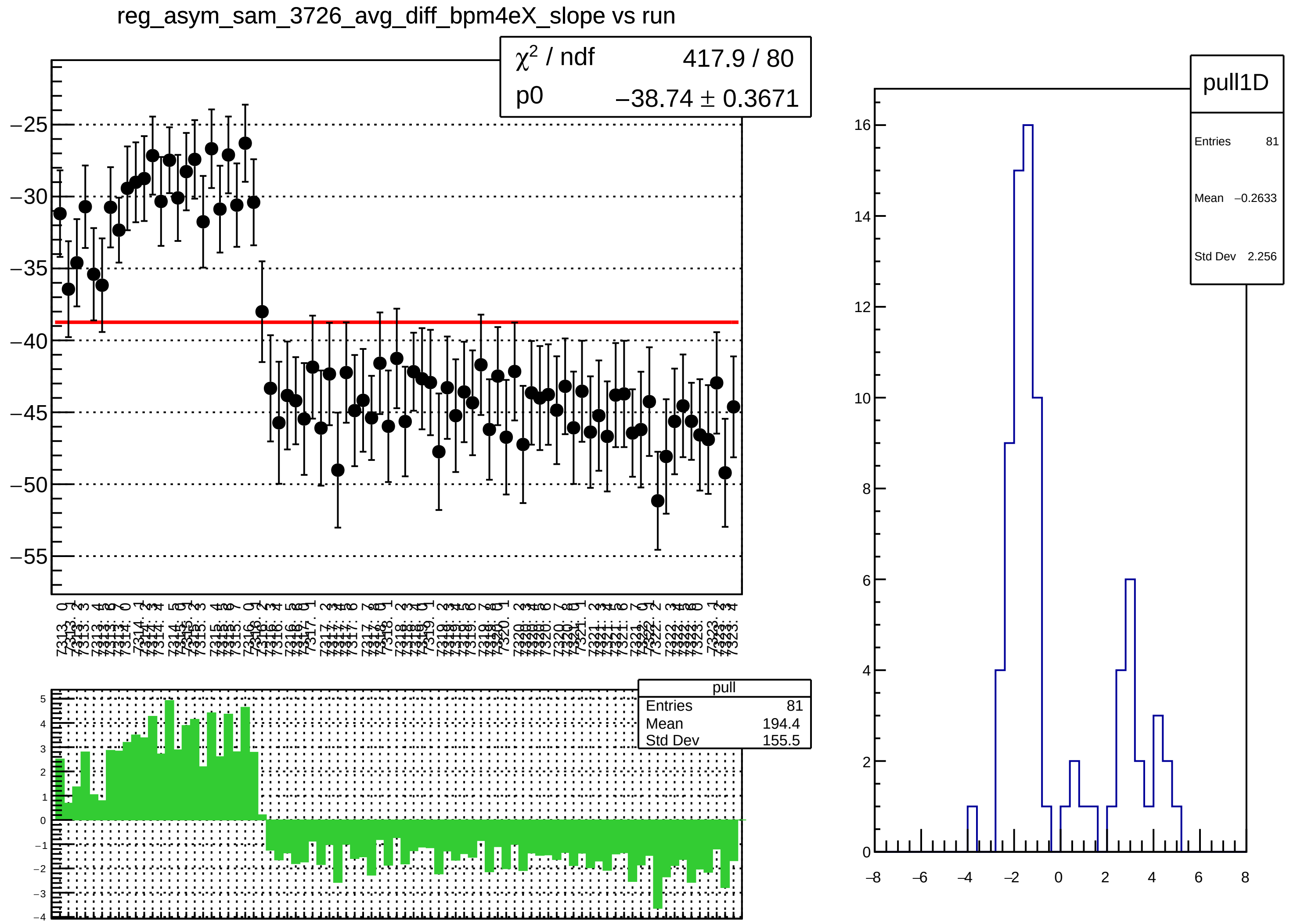


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ2 / ndf 65.9 / 80
p0 0.1924 ± 0.007722
pull
Entries 81
Mean −214.4
Std Dev 251.8
pull1D
Entries 81
Mean −0.05909
Std Dev 0.9

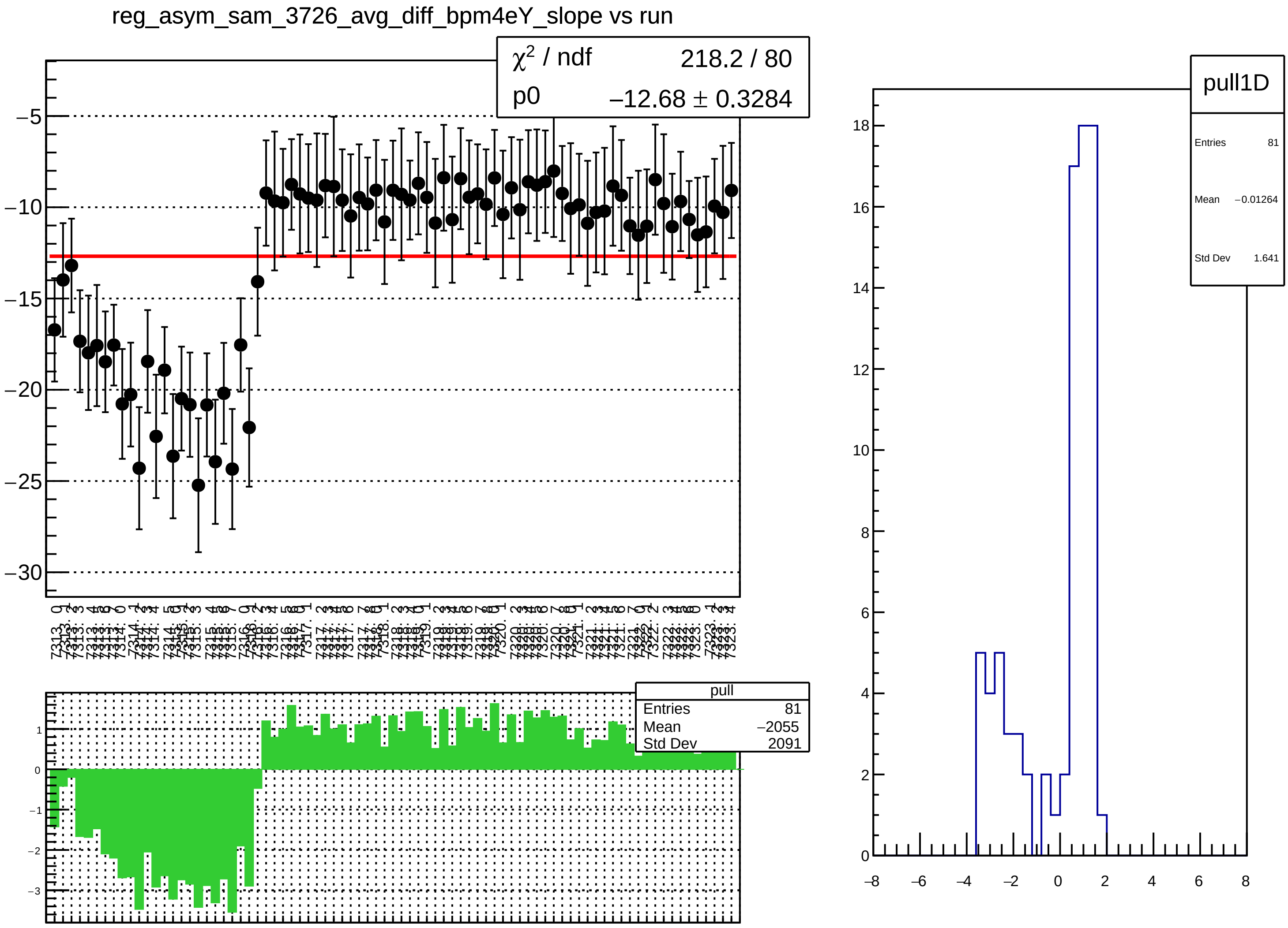

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 720 / 80
p0 −8.299 ± 0.3687
pull
Entries 81
Mean 199.3
Std Dev 160.6
pull1D
Entries 81
Mean 0.3213
Std Dev 2.964



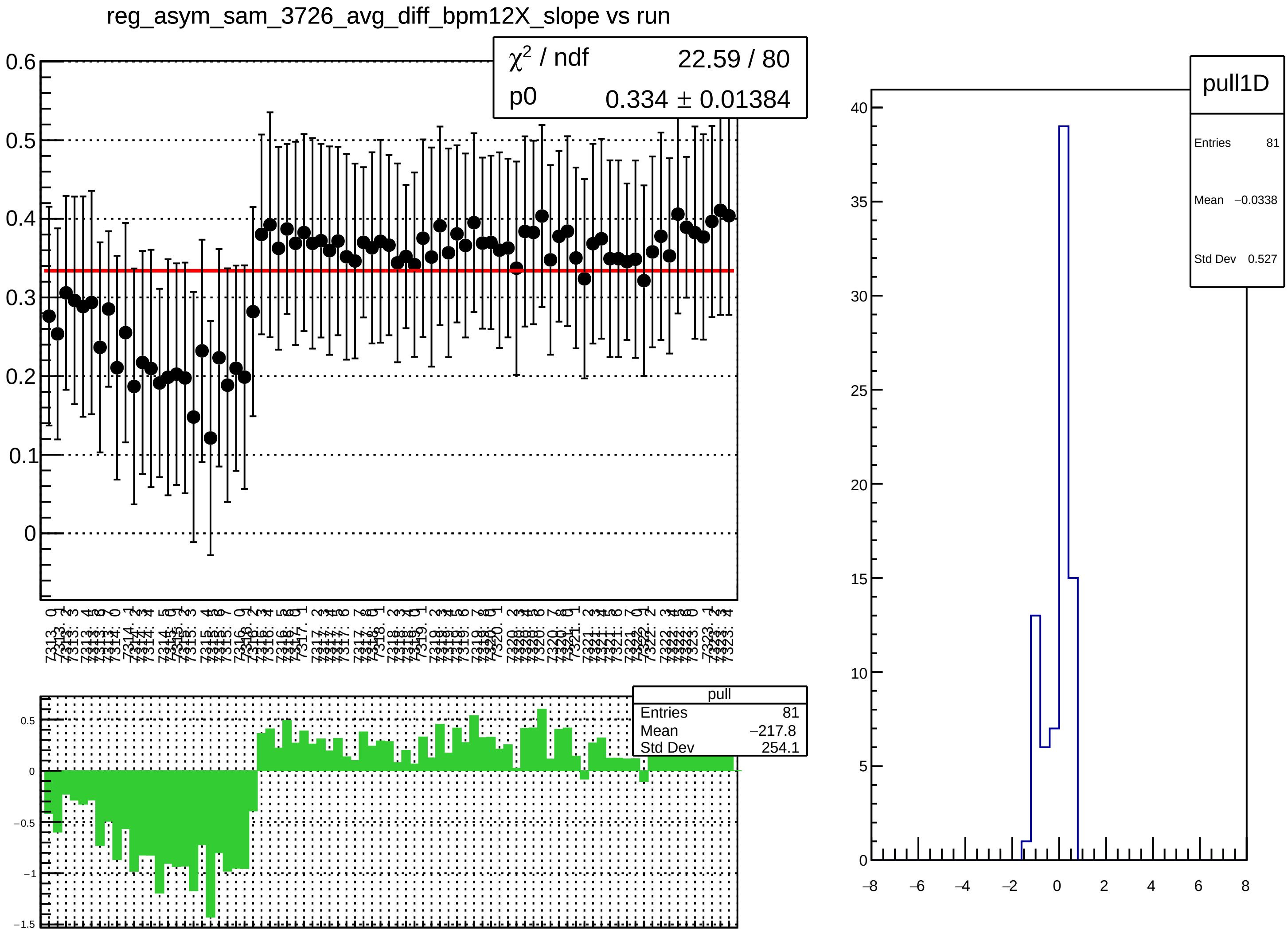
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 219 / 80
p0 6.895 ± 0.3012
pull
Entries 81
Mean −1201
Std Dev 1236
pull1D
Entries 81
Mean 0.02187
Std Dev 1.644



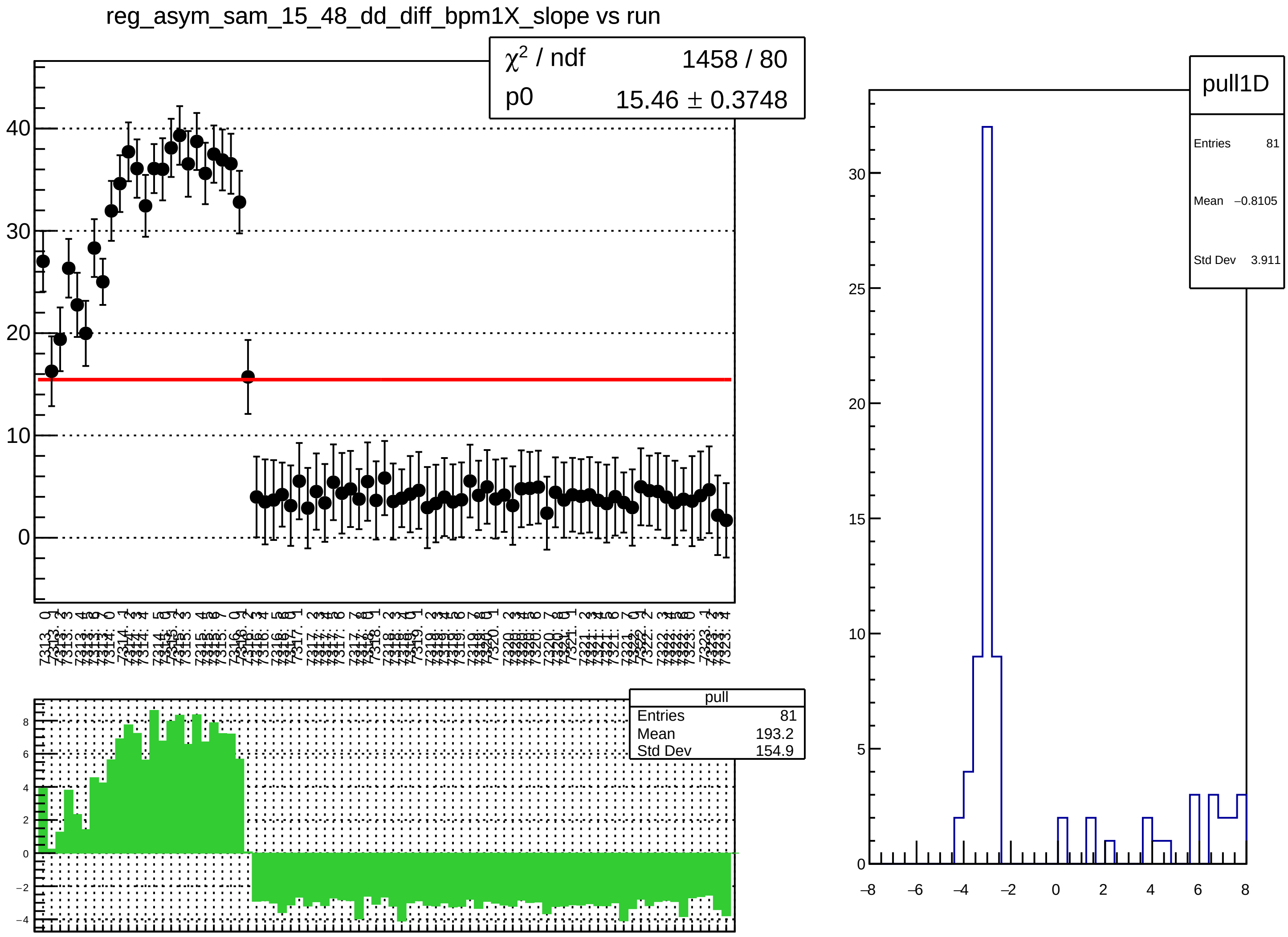
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 417.9 / 80
p0 −38.74 ± 0.3671
−25
−30
−35
−40
−45
−50
−55
pull
Entries 81
Mean 194.4
Std Dev 155.5
pull1D
Entries 81
Mean −0.2633
Std Dev 2.256



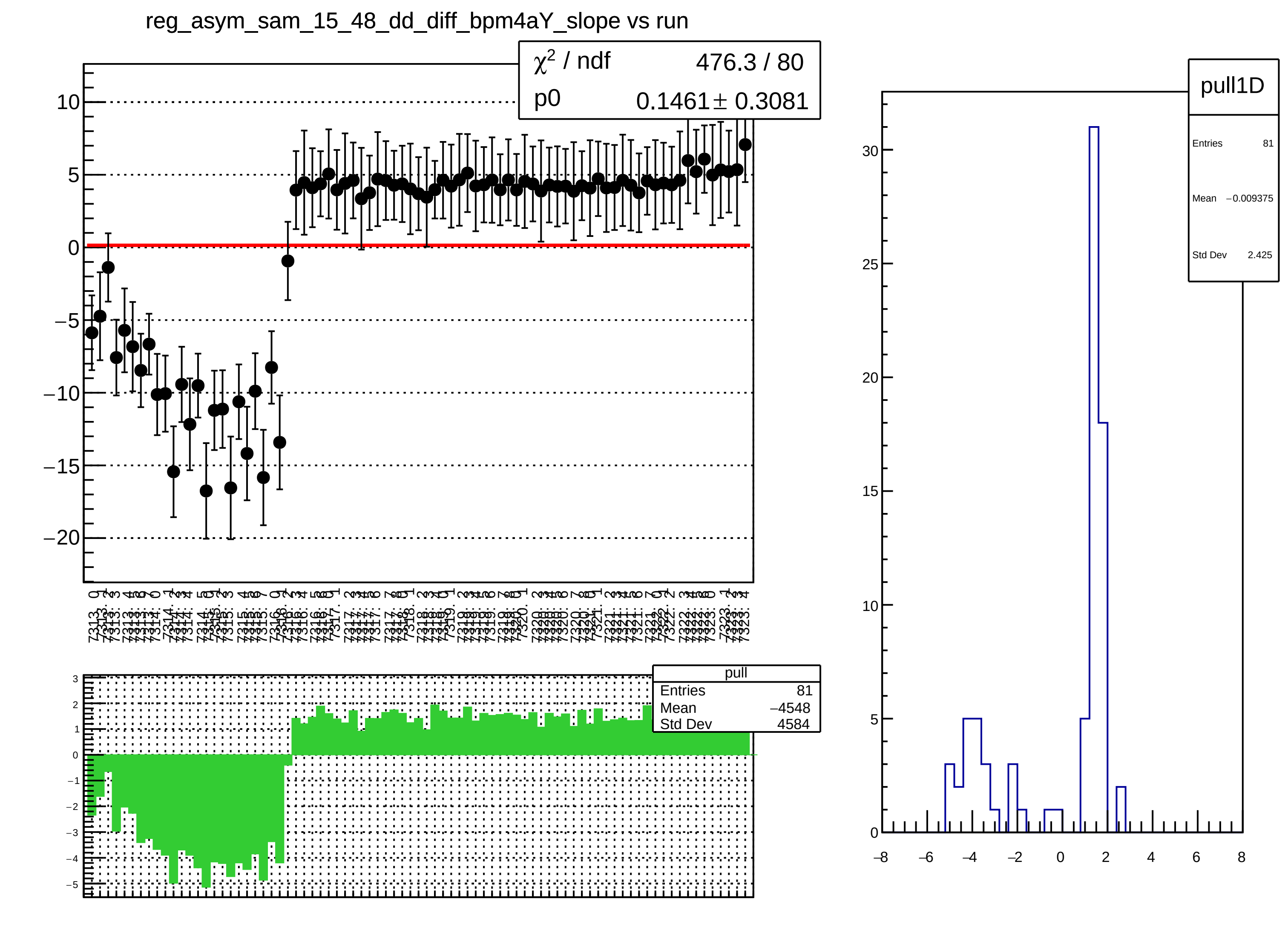
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ2 / ndf 218.2 / 80
p0 −12.68 ± 0.3284
pull
Entries 81
Mean −2055
Std Dev 2091
pull1D
Entries 81
Mean −0.01264
Std Dev 1.641



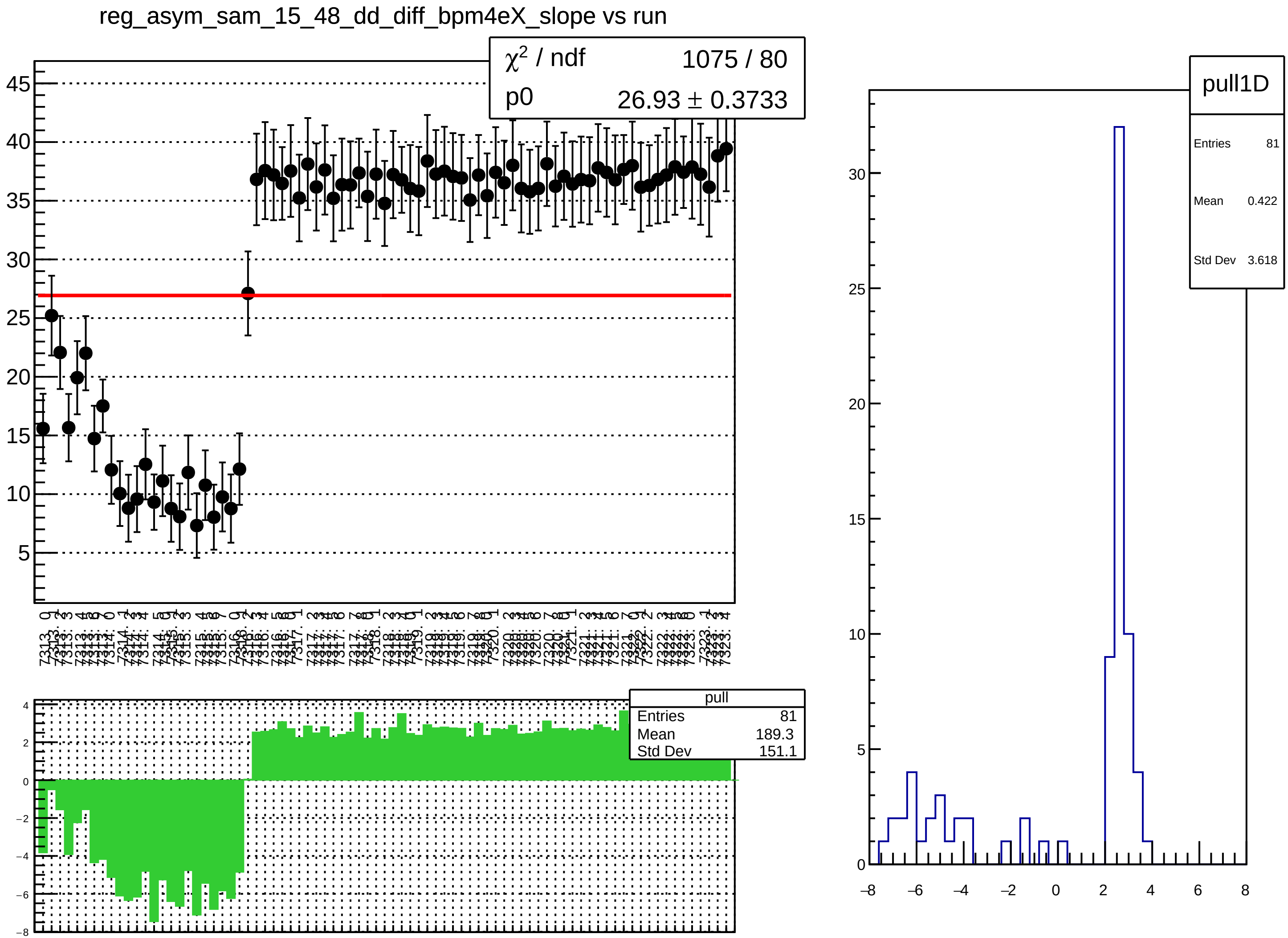
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ2 / ndf 22.59 / 80
p0 0.334 ± 0.01384
pull
Entries 81
Mean −217.8
Std Dev 254.1
pull1D
Entries 81
Mean −0.0338
Std Dev 0.527



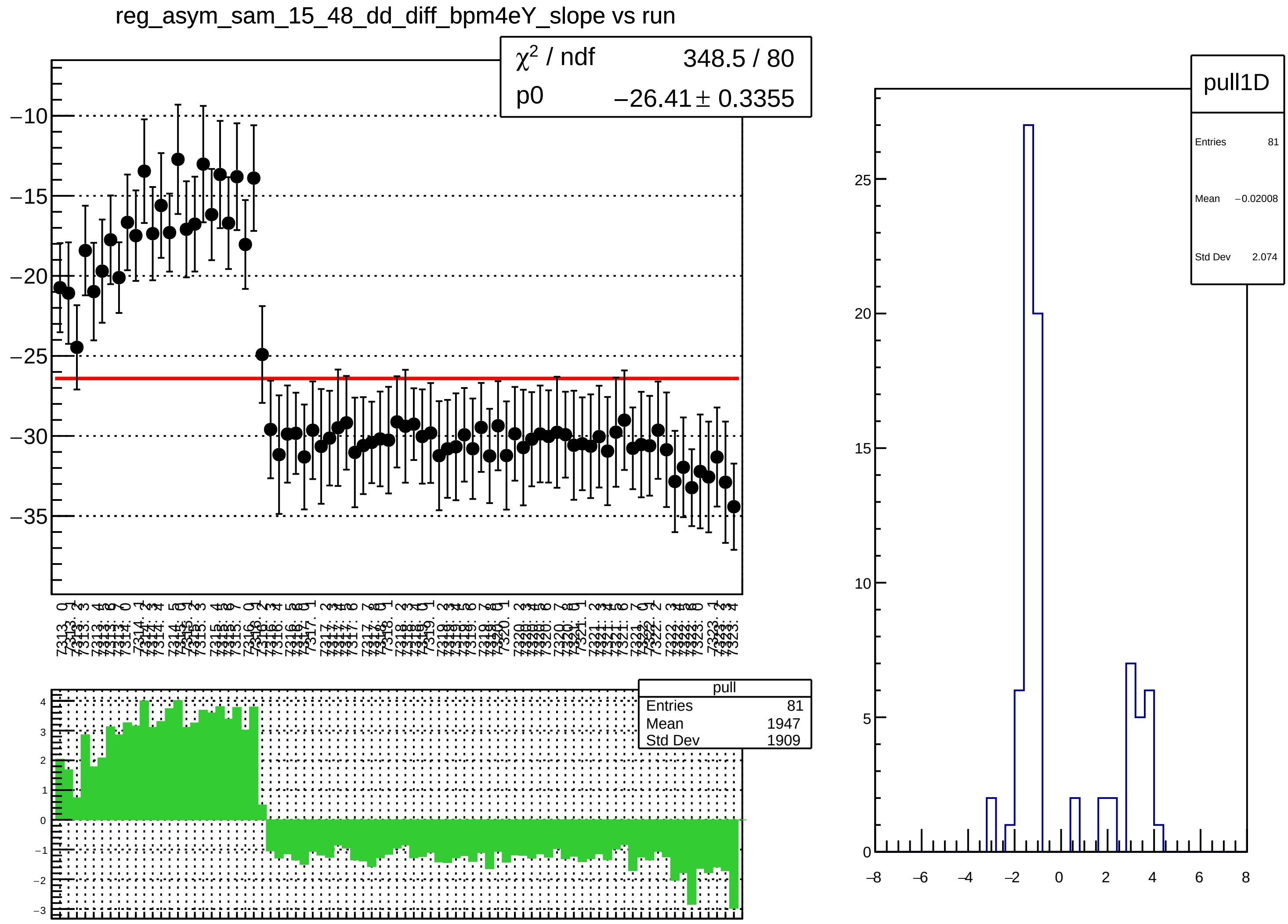
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1458 / 80
p0 15.46 ± 0.3748
pull
Entries 81
Mean 193.2
Std Dev 154.9
pull1D
Entries 81
Mean −0.8105
Std Dev 3.911



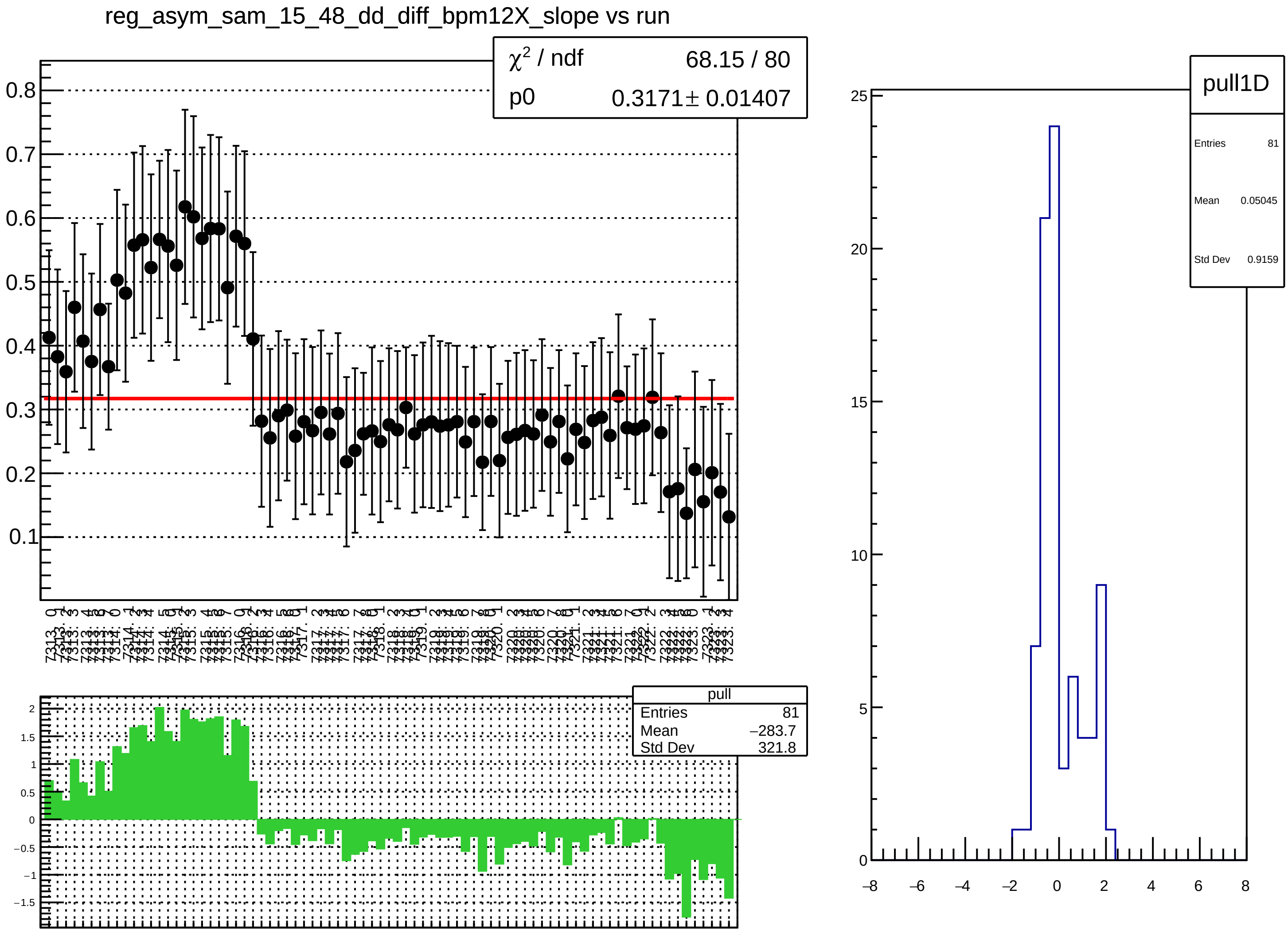
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 476.3 / 80
p0 0.1461 ± 0.3081
pull
Entries 81
Mean −4548
Std Dev 4584
pull1D
Entries 81
Mean −0.009375
Std Dev 2.425



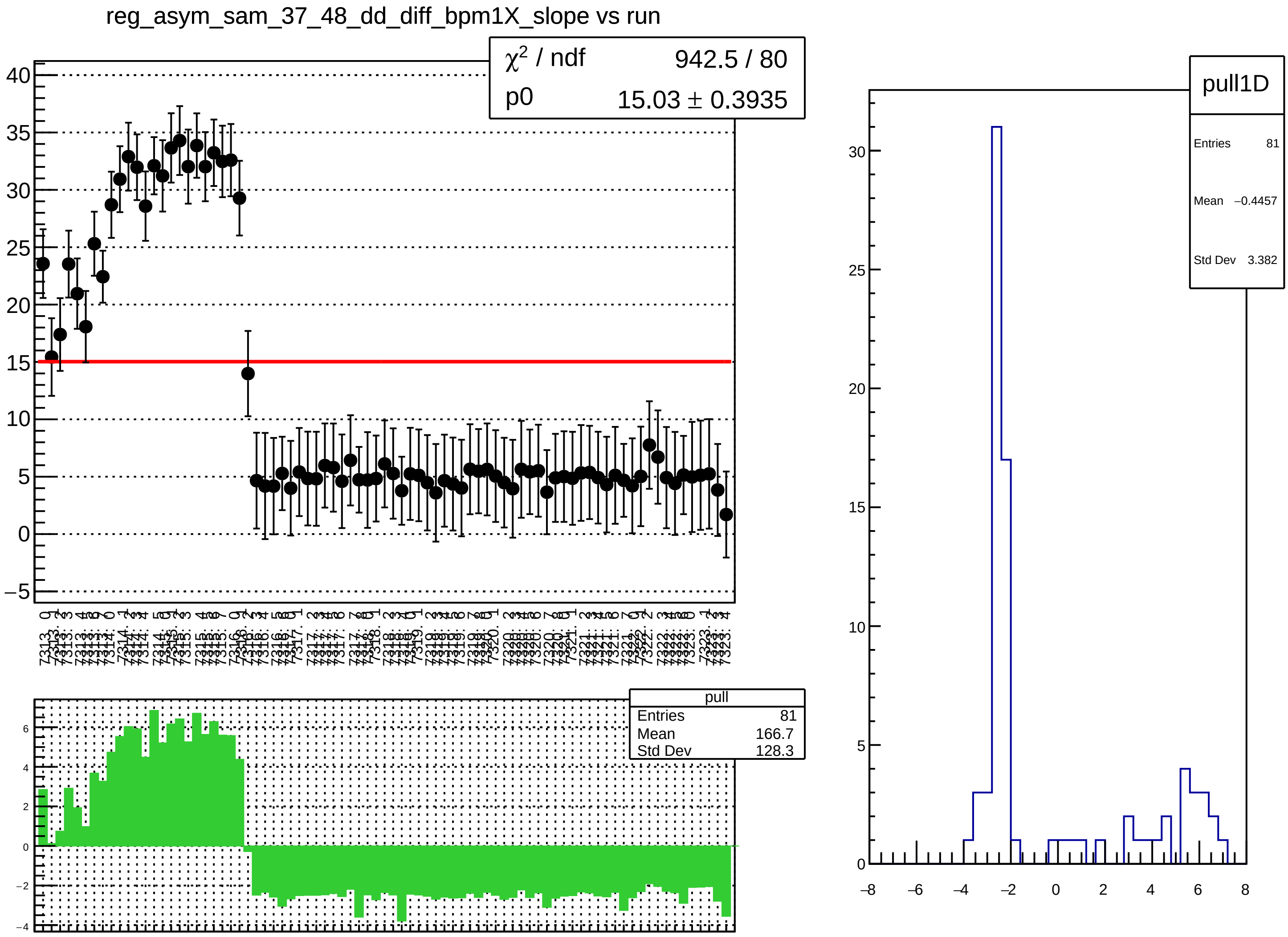
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 1075 / 80
p0 26.93 ± 0.3733
pull
Entries 81
Mean 189.3
Std Dev 151.1
pull1D
Entries 81
Mean 0.422
Std Dev 3.618



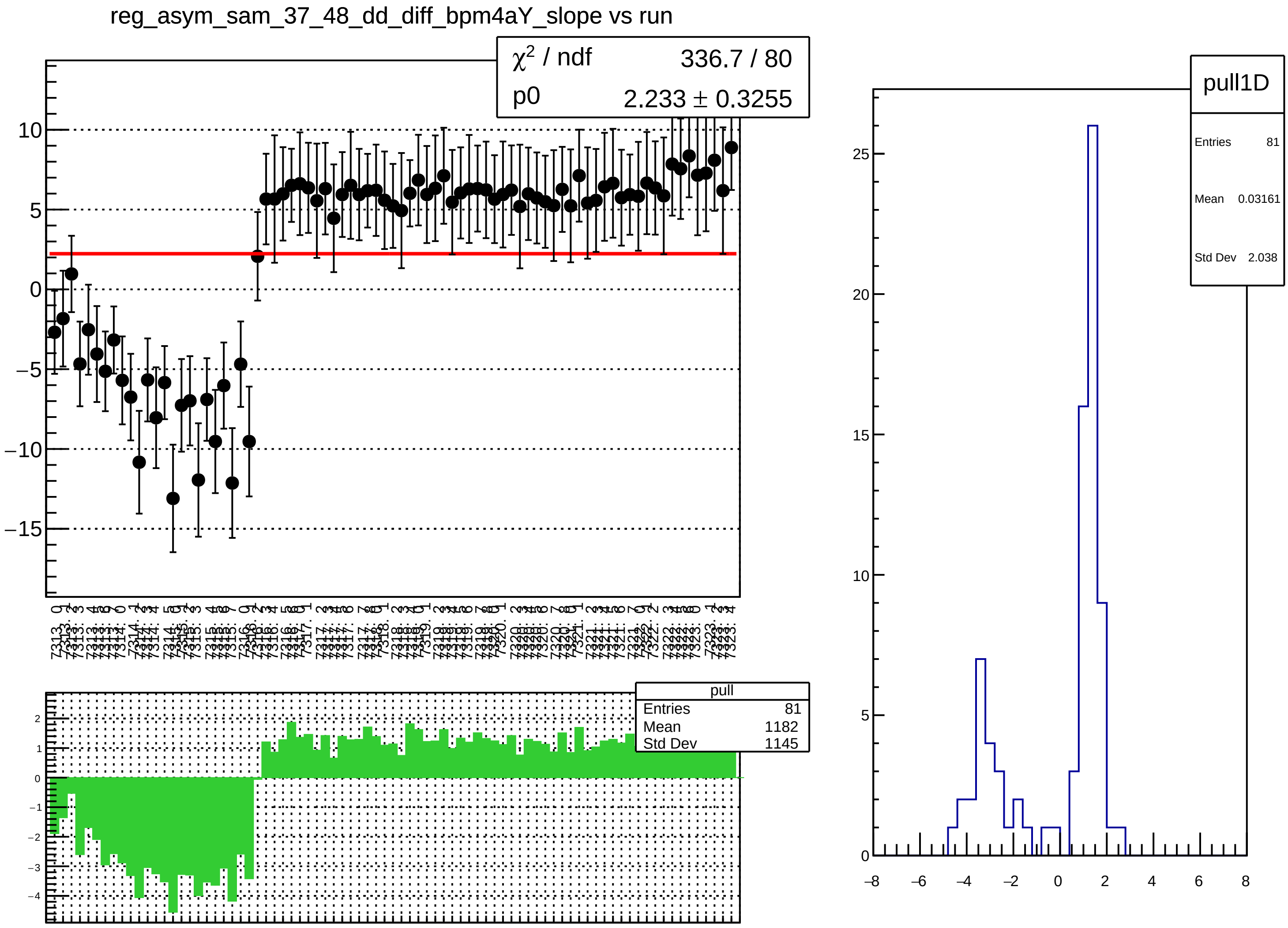
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 348.5 / 80
p0 −26.41 ± 0.3355
pull
Entries 81
Mean 1947
Std Dev 1909
pull1D
Entries 81
Mean −0.02008
Std Dev 2.074



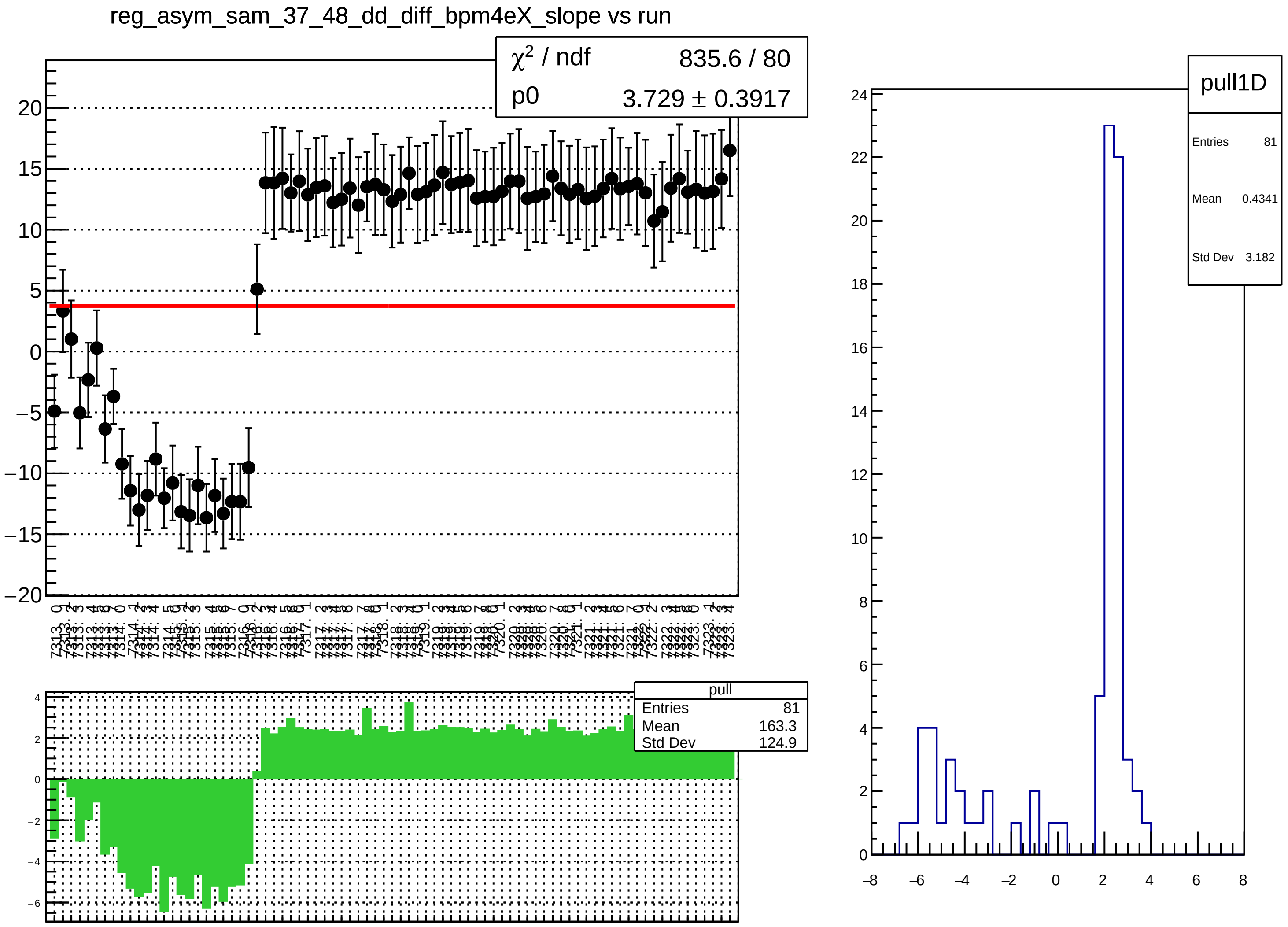
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 68.15 / 80
p0 0.3171 ± 0.01407
pull
Entries 81
Mean −283.7
Std Dev 321.8
pull1D
Entries 81
Mean 0.05045
Std Dev 0.9159



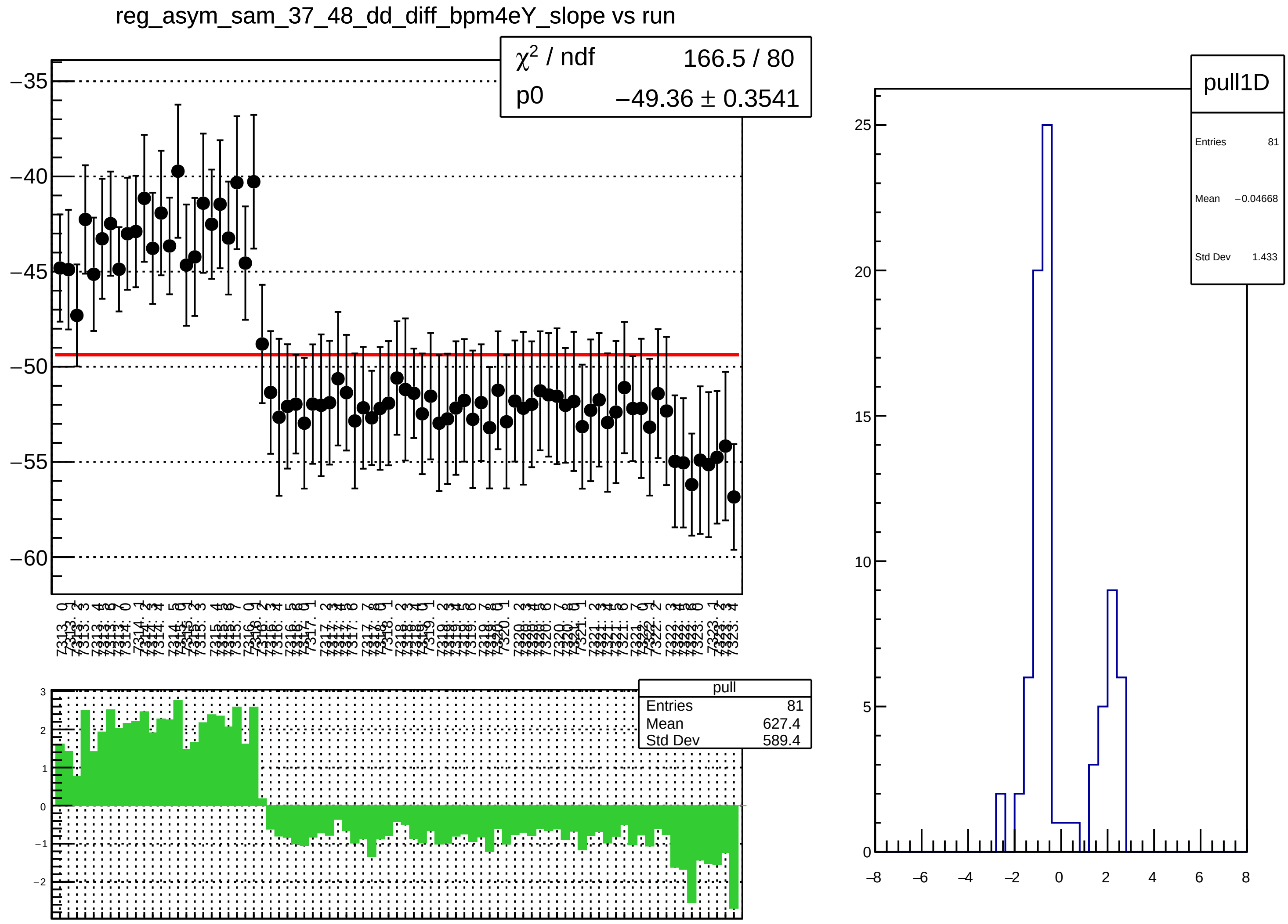
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 942.5 / 80
p0 15.03 ± 0.3935
pull
Entries 81
Mean 166.7
Std Dev 128.3
pull1D
Entries 81
Mean −0.4457
Std Dev 3.382



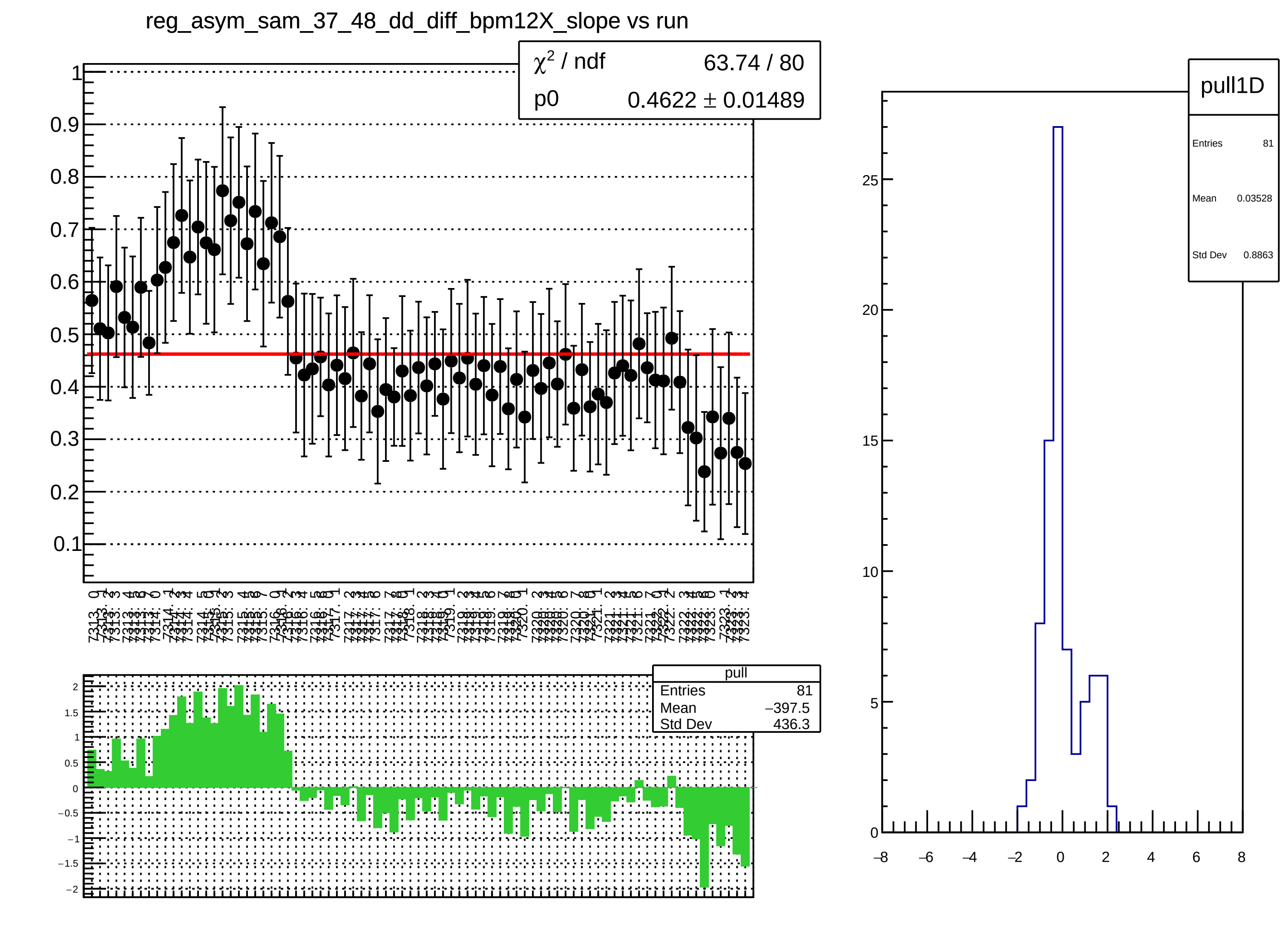
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 336.7 / 80
p0 2.233 ± 0.3255
pull
Entries 81
Mean 1182
Std Dev 1145
pull1D
Entries 81
Mean 0.03161
Std Dev 2.038



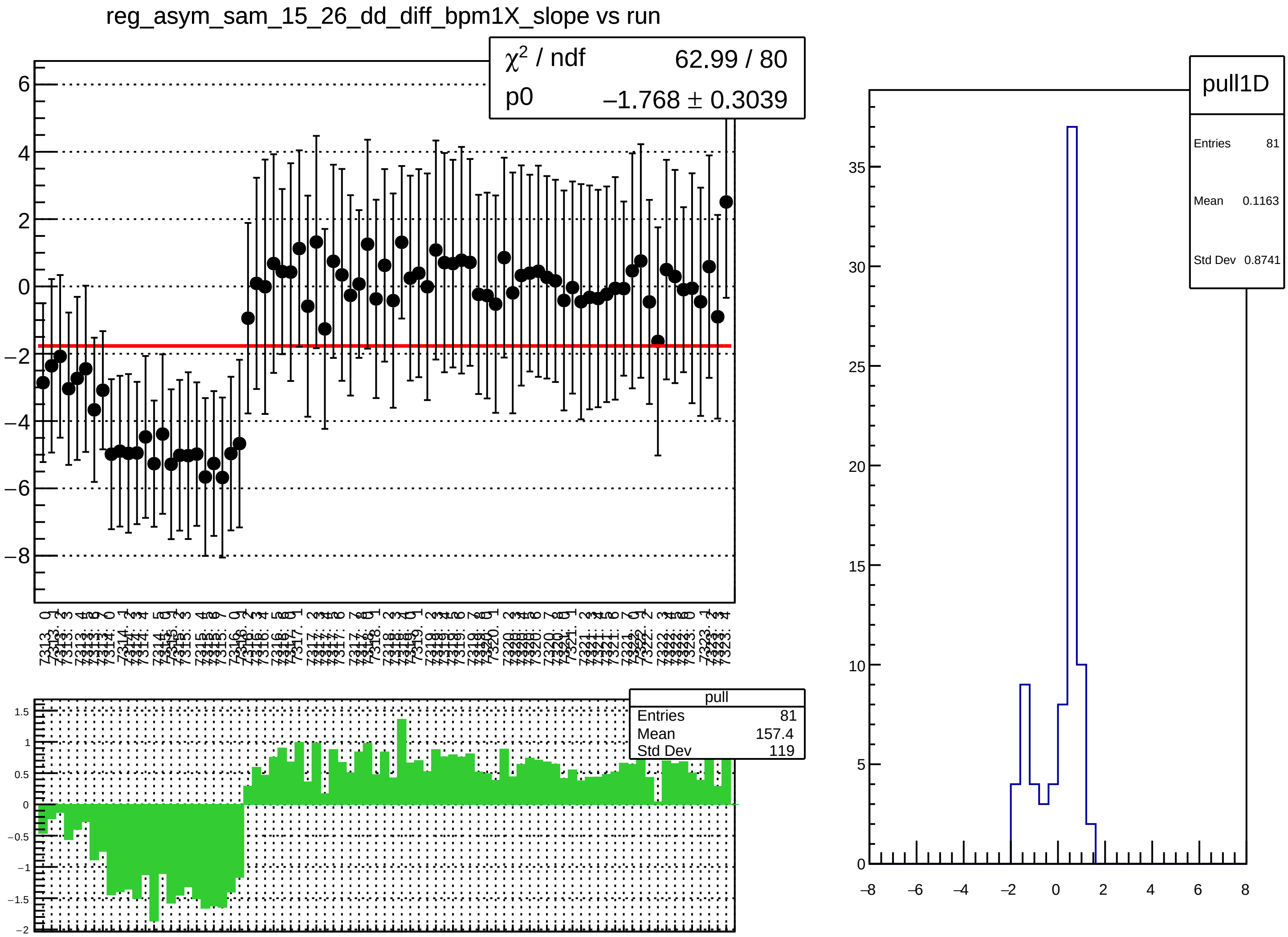
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 835.6 / 80
p0 3.729 ± 0.3917
pull
Entries 81
Mean 163.3
Std Dev 124.9
pull1D
Entries 81
Mean 0.4341
Std Dev 3.182



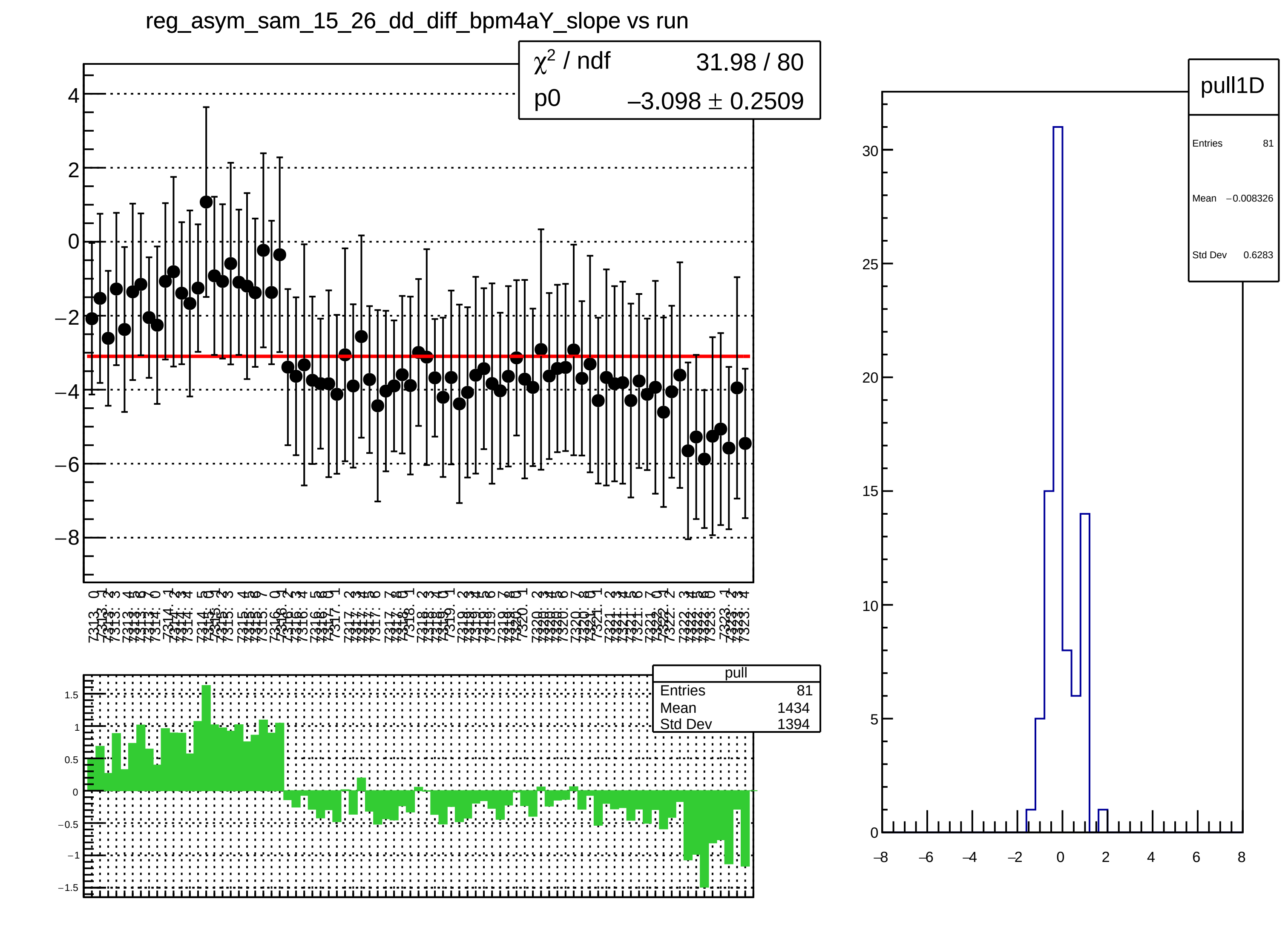
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 166.5 / 80
p0 −49.36 ± 0.3541
−35
−40
−45
−50
−55
−60
pull
Entries 81
Mean 627.4
Std Dev 589.4
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.04668
Std Dev 1.433
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



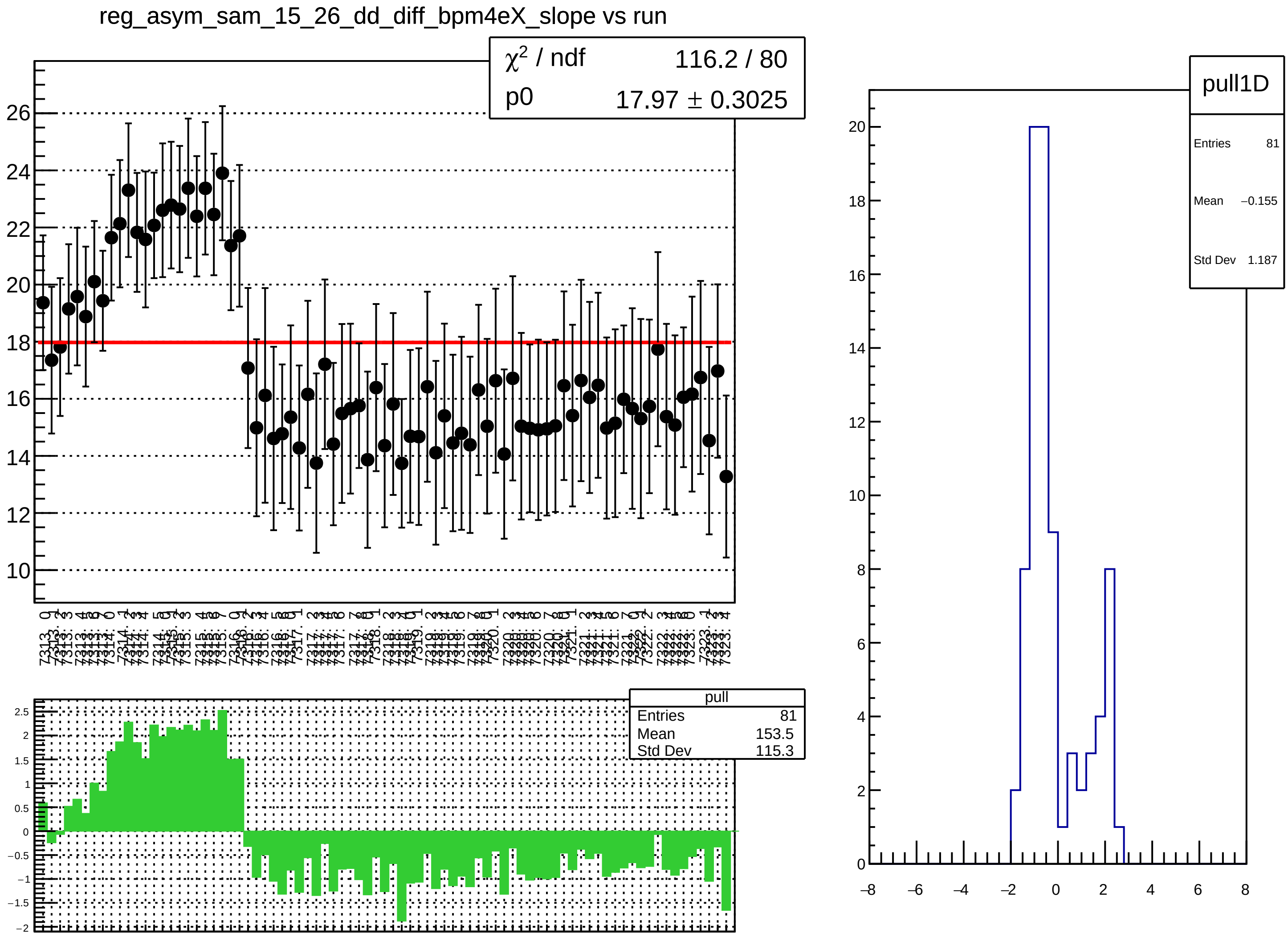
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 63.74 / 80
p0 0.4622 ± 0.01489
pull
Entries 81
Mean −397.5
Std Dev 436.3
pull1D
Entries 81
Mean 0.03528
Std Dev 0.8863

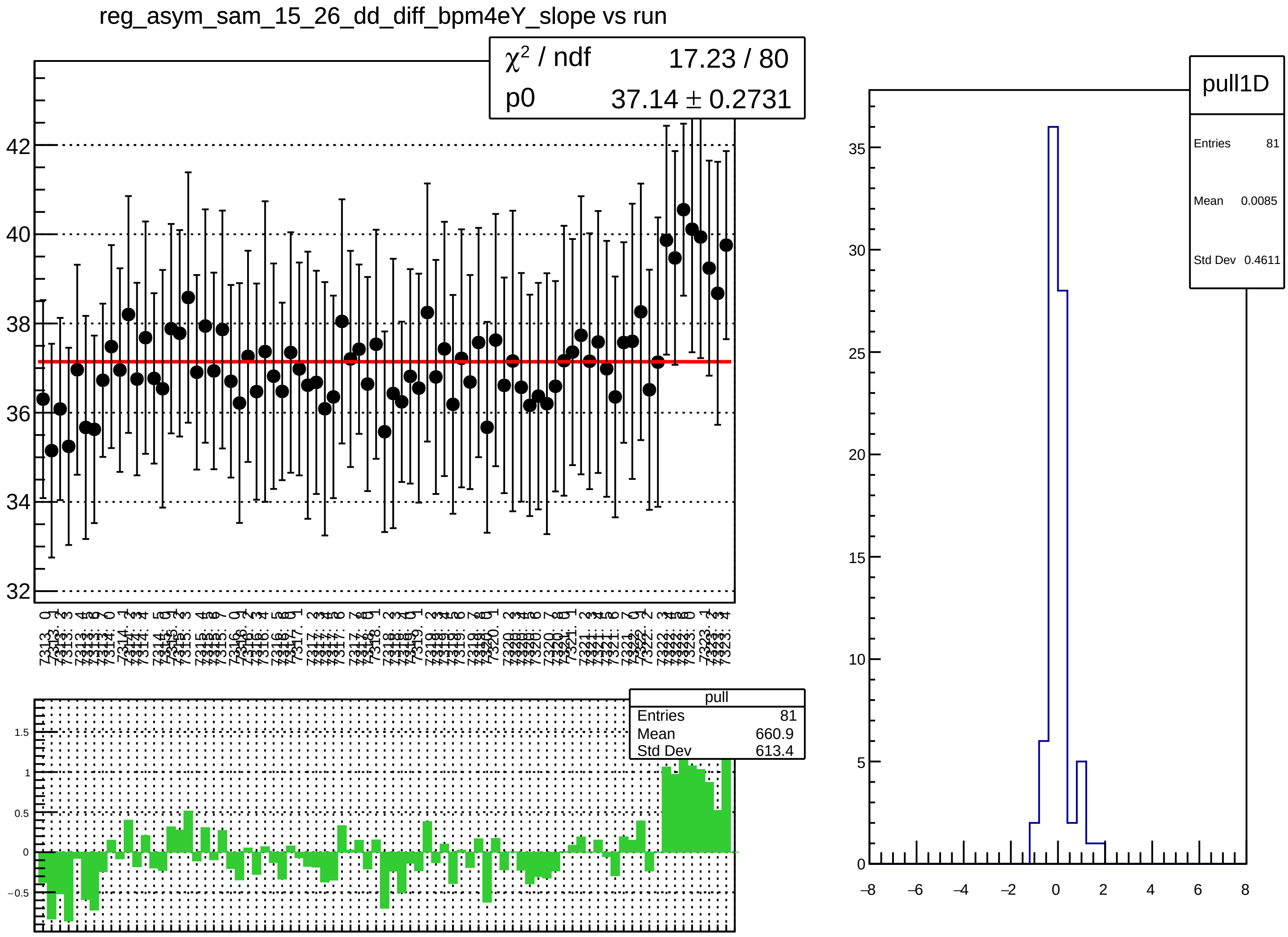


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.99 / 80
p0 −1.768 ± 0.3039
pull
Entries 81
Mean 157.4
Std Dev 119
pull1D
Entries 81
Mean 0.1163
Std Dev 0.8741

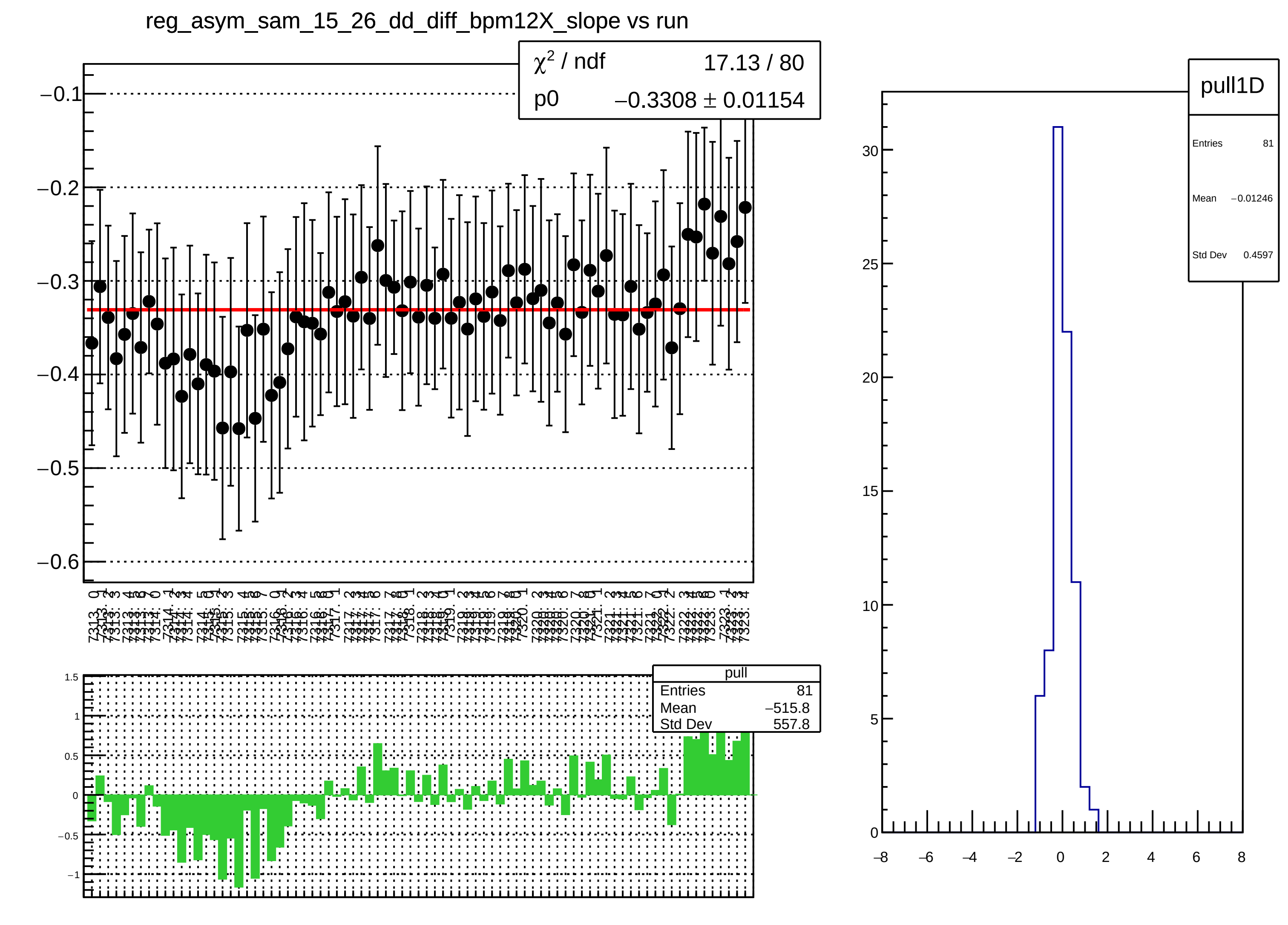


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 31.98 / 80
p0 −3.098 ± 0.2509
pull
Entries 81
Mean 1434
Std Dev 1394
pull1D
Entries 81
Mean −0.008326
Std Dev 0.6283

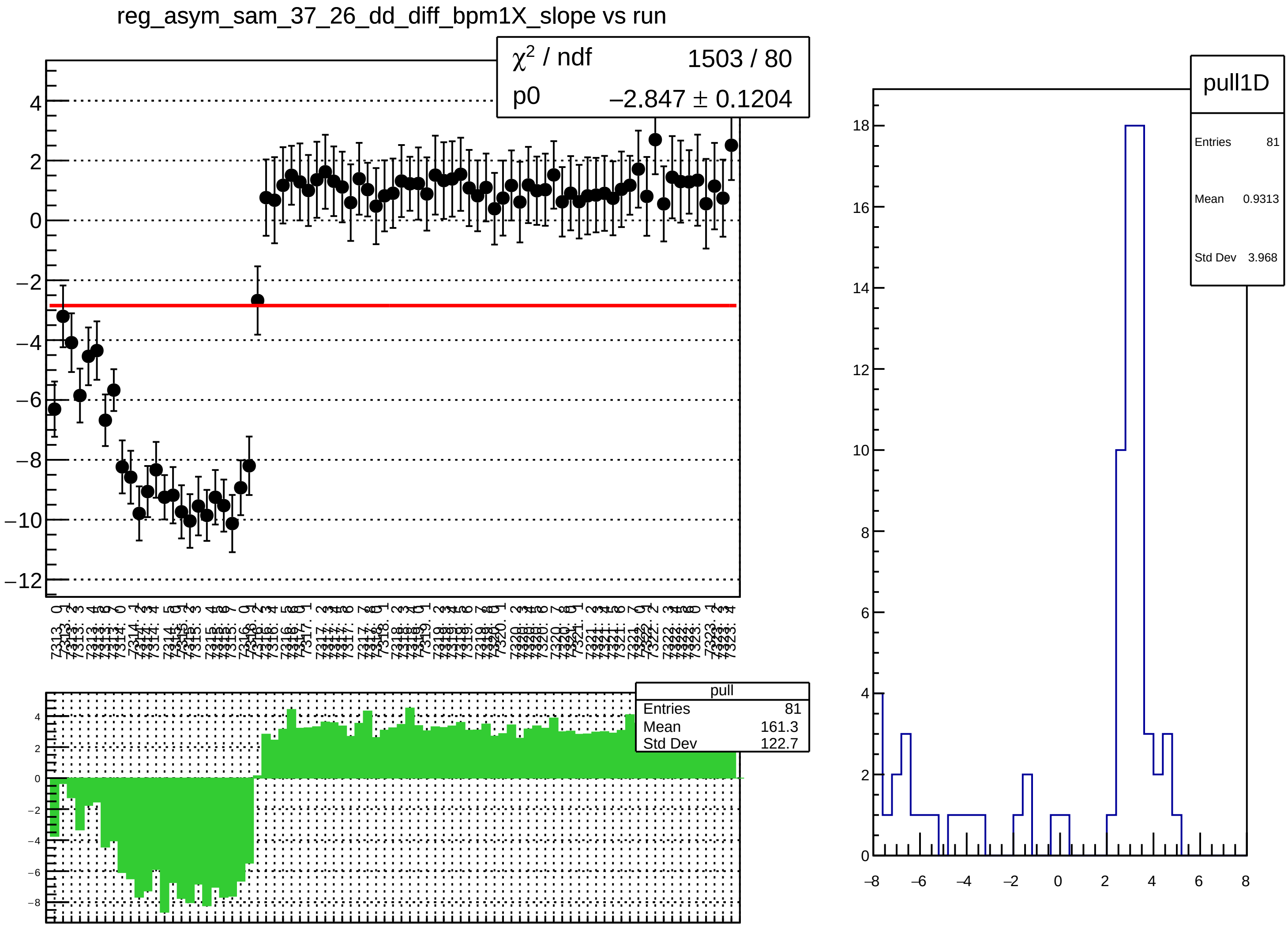

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 116.2 / 80
p0 17.97 ± 0.3025
pull
Entries 81
Mean 153.5
Std Dev 115.3
pull1D
Entries 81
Mean −0.155
Std Dev 1.187



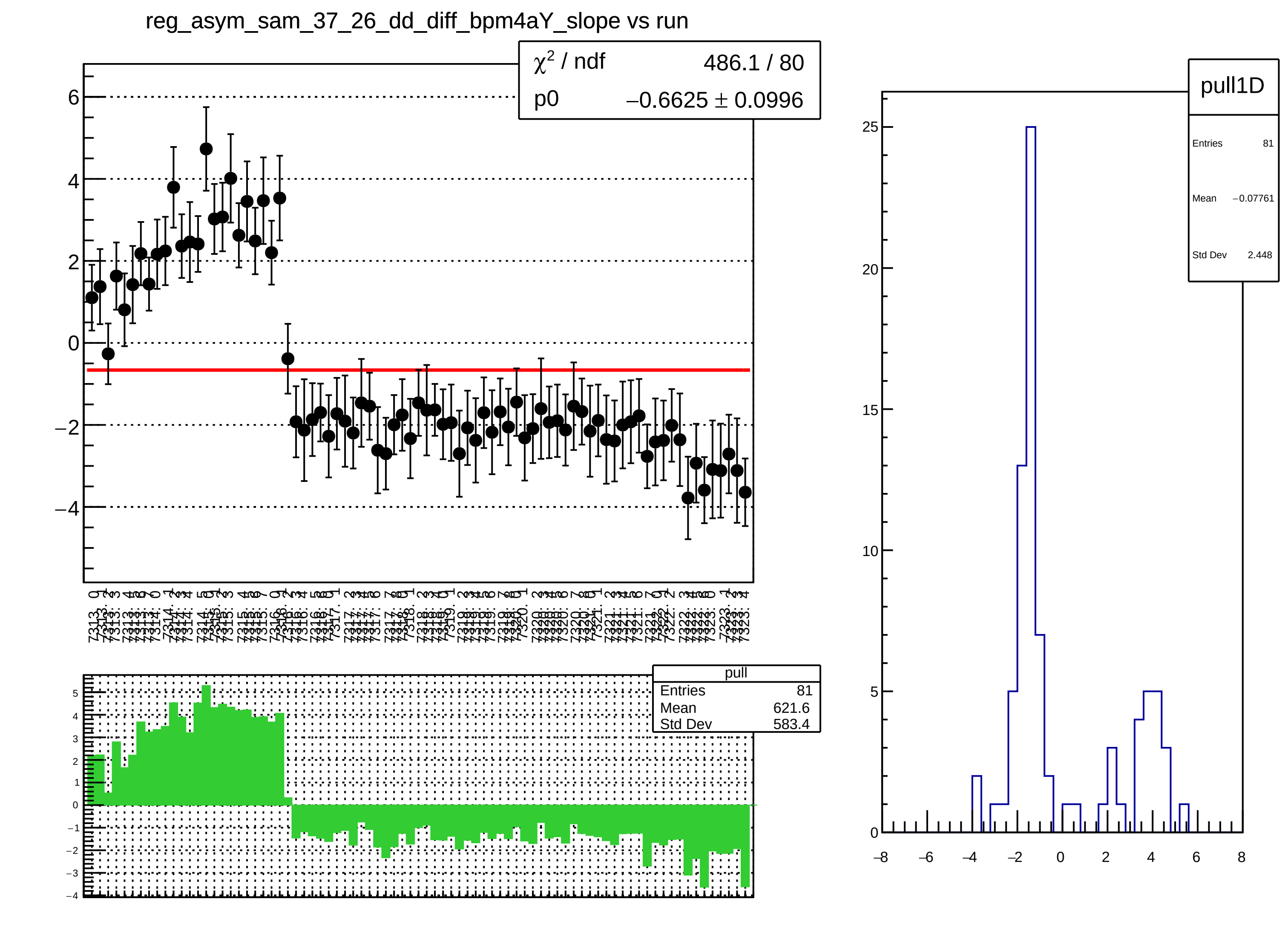
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.23 / 80
p0 37.14 ± 0.2731
pull
Entries 81
Mean 660.9
Std Dev 613.4
pull1D
Entries 81
Mean 0.0085
Std Dev 0.4611



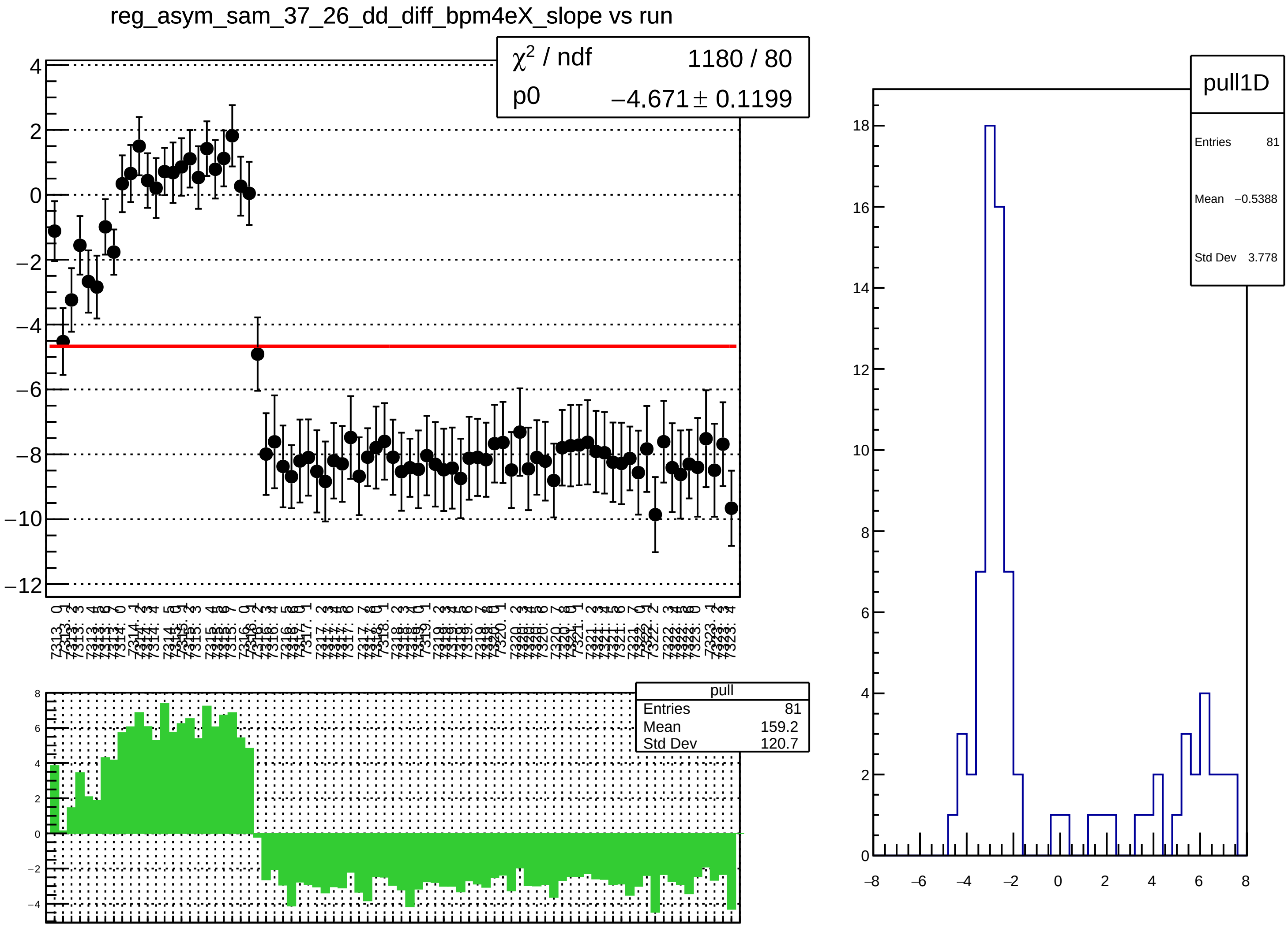
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.13 / 80
p0 −0.3308 ± 0.01154
pull
Entries 81
Mean −515.8
Std Dev 557.8
pull1D
Entries 81
Mean −0.01246
Std Dev 0.4597



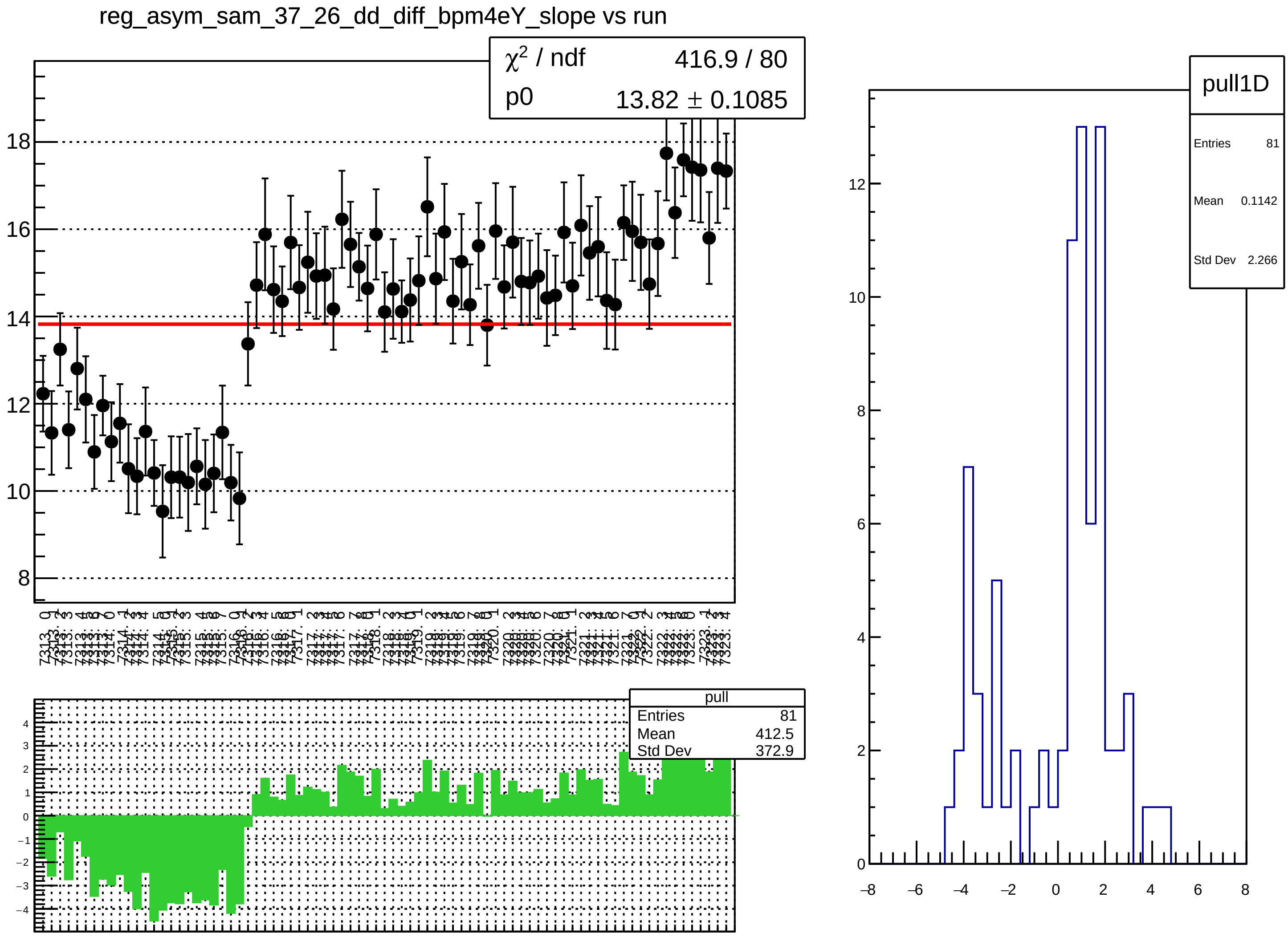
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1503 / 80
p0 −2.847 ± 0.1204
pull
Entries 81
Mean 161.3
Std Dev 122.7
pull1D
Entries 81
Mean 0.9313
Std Dev 3.968



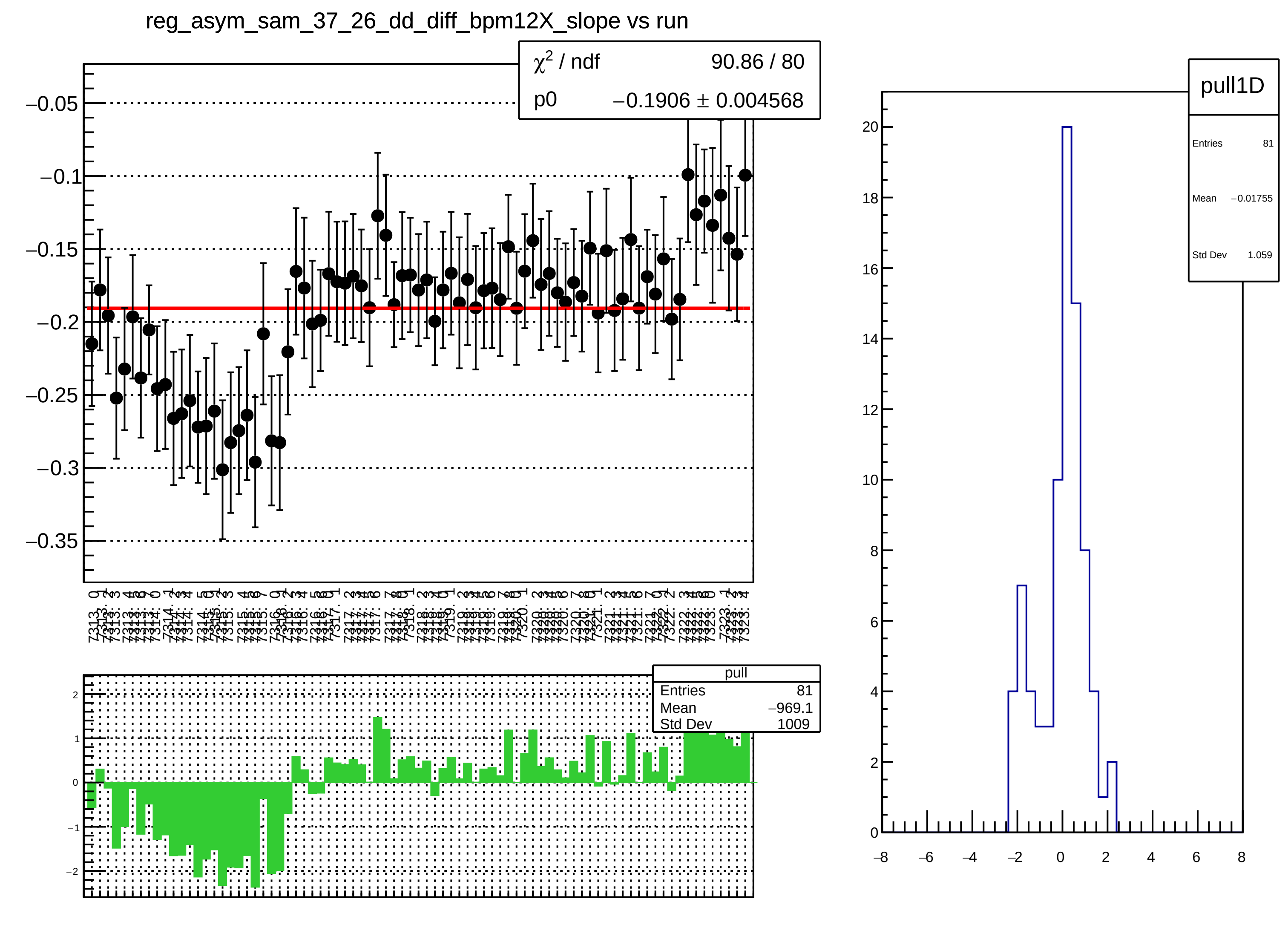
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 486.1 / 80
p0 −0.6625 ± 0.0996
pull
Entries 81
Mean 621.6
Std Dev 583.4
pull1D
Entries 81
Mean −0.07761
Std Dev 2.448



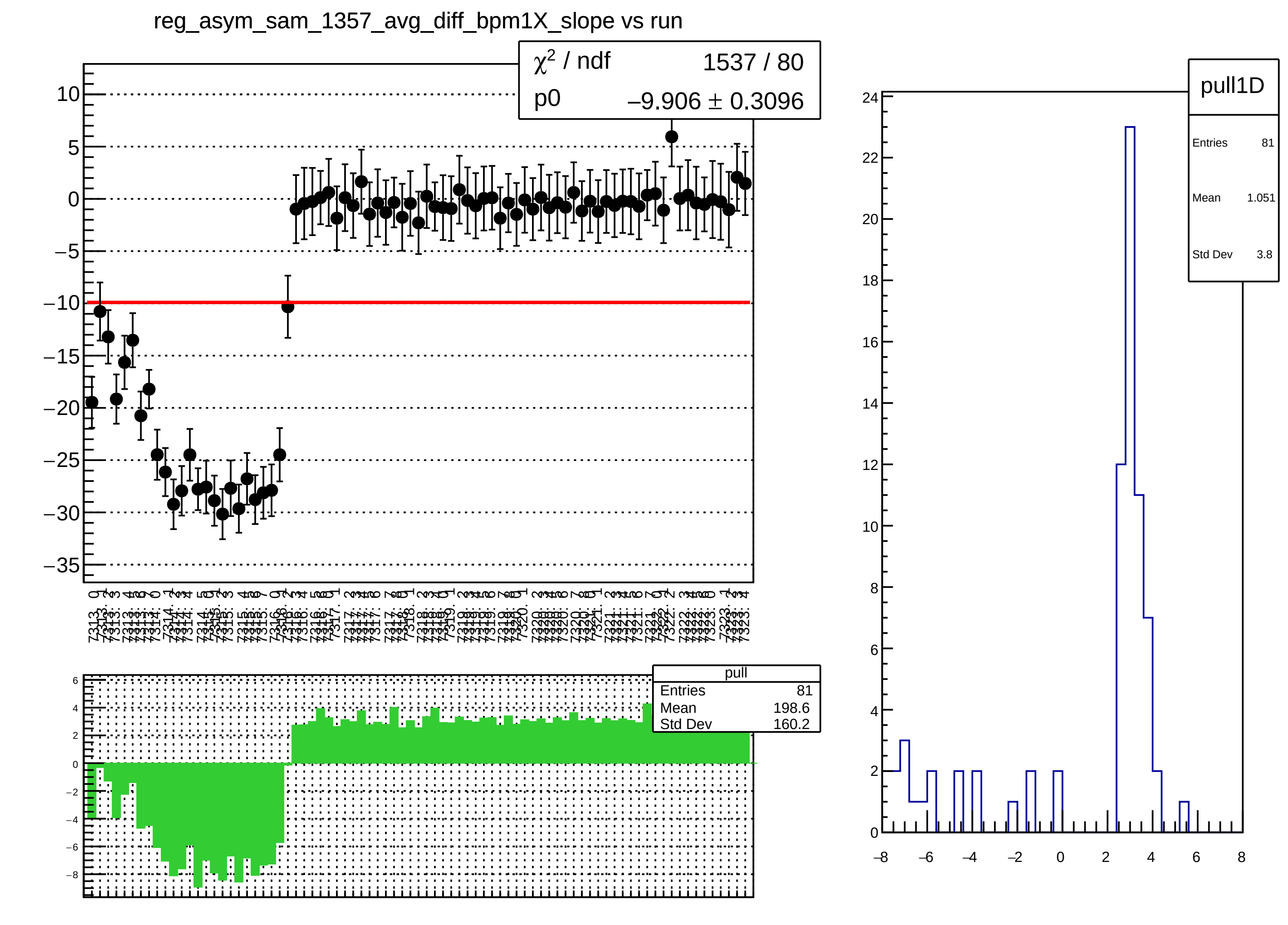
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1180 / 80
p0 −4.671 ± 0.1199
pull
Entries 81
Mean 159.2
Std Dev 120.7
pull1D
Entries 81
Mean −0.5388
Std Dev 3.778



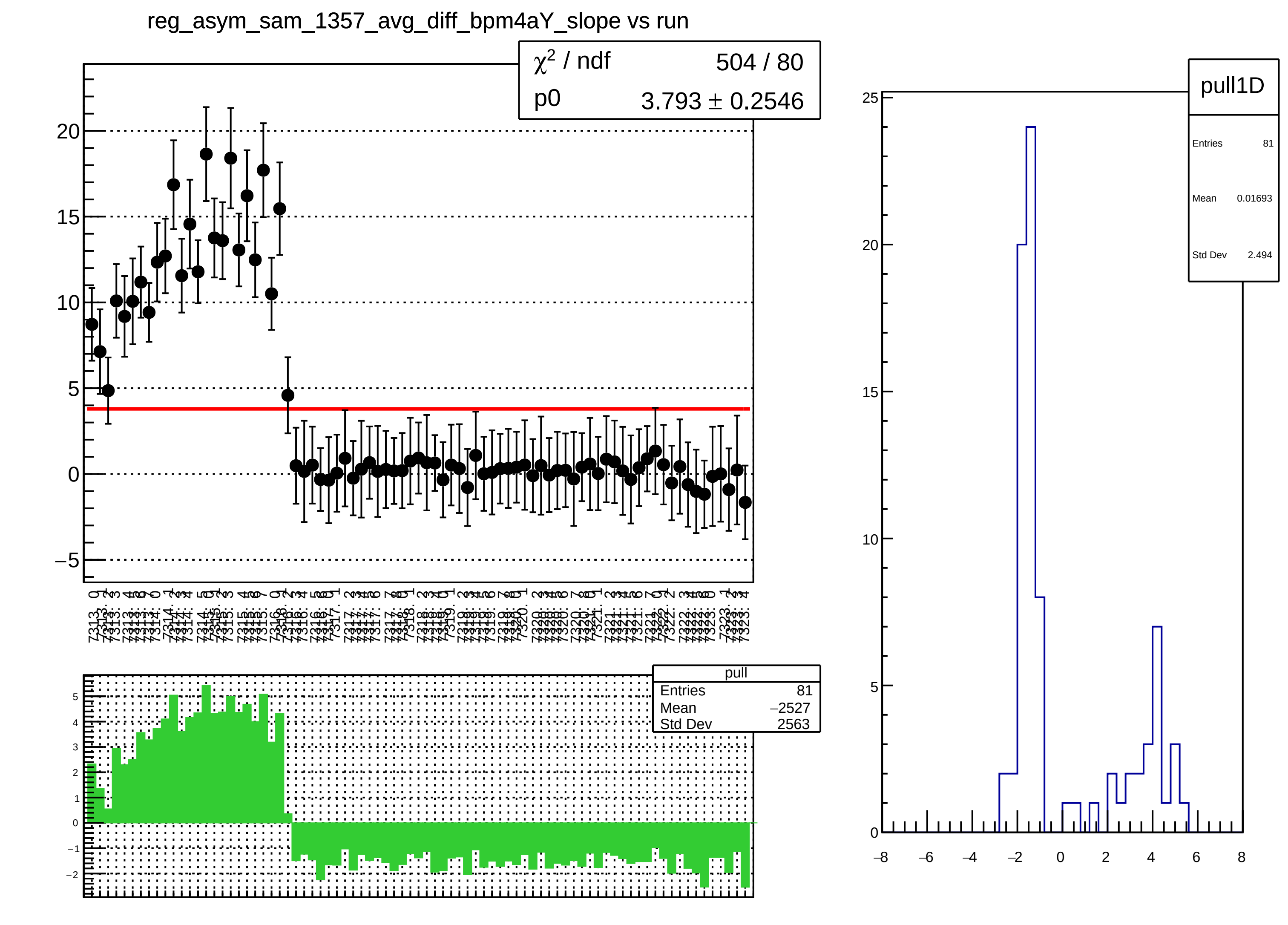
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 416.9 / 80
p0 13.82 ± 0.1085
pull
Entries 81
Mean 412.5
Std Dev 372.9
pull1D
Entries 81
Mean 0.1142
Std Dev 2.266



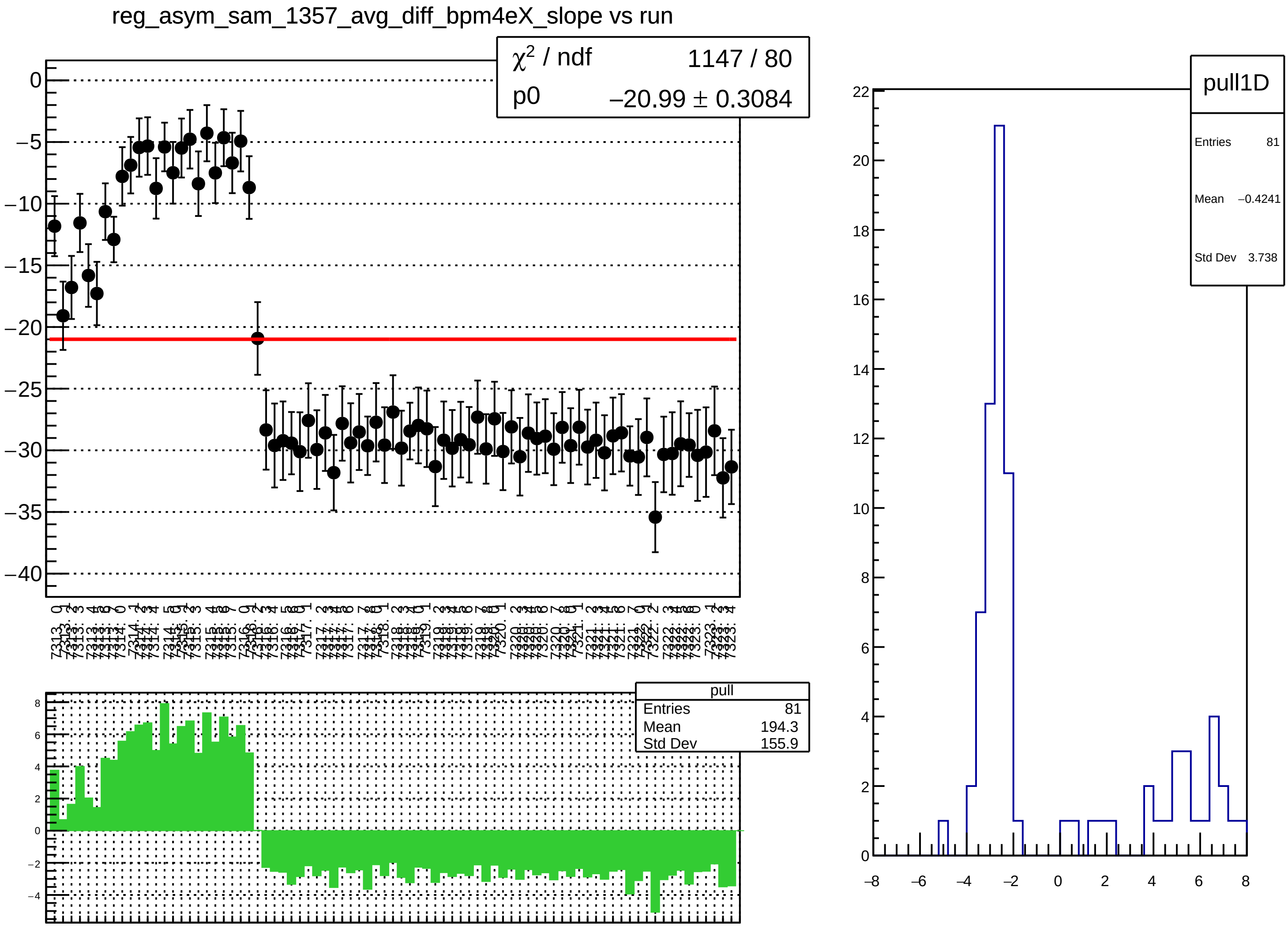
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 90.86 / 80
p0 −0.1906 ± 0.004568
pull
Entries 81
Mean −969.1
Std Dev 1009
pull1D
Entries 81
Mean −0.01755
Std Dev 1.059



reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1537 / 80
p0 −9.906 ± 0.3096
pull
Entries 81
Mean 198.6
Std Dev 160.2
pull1D
Entries 81
Mean 1.051
Std Dev 3.8

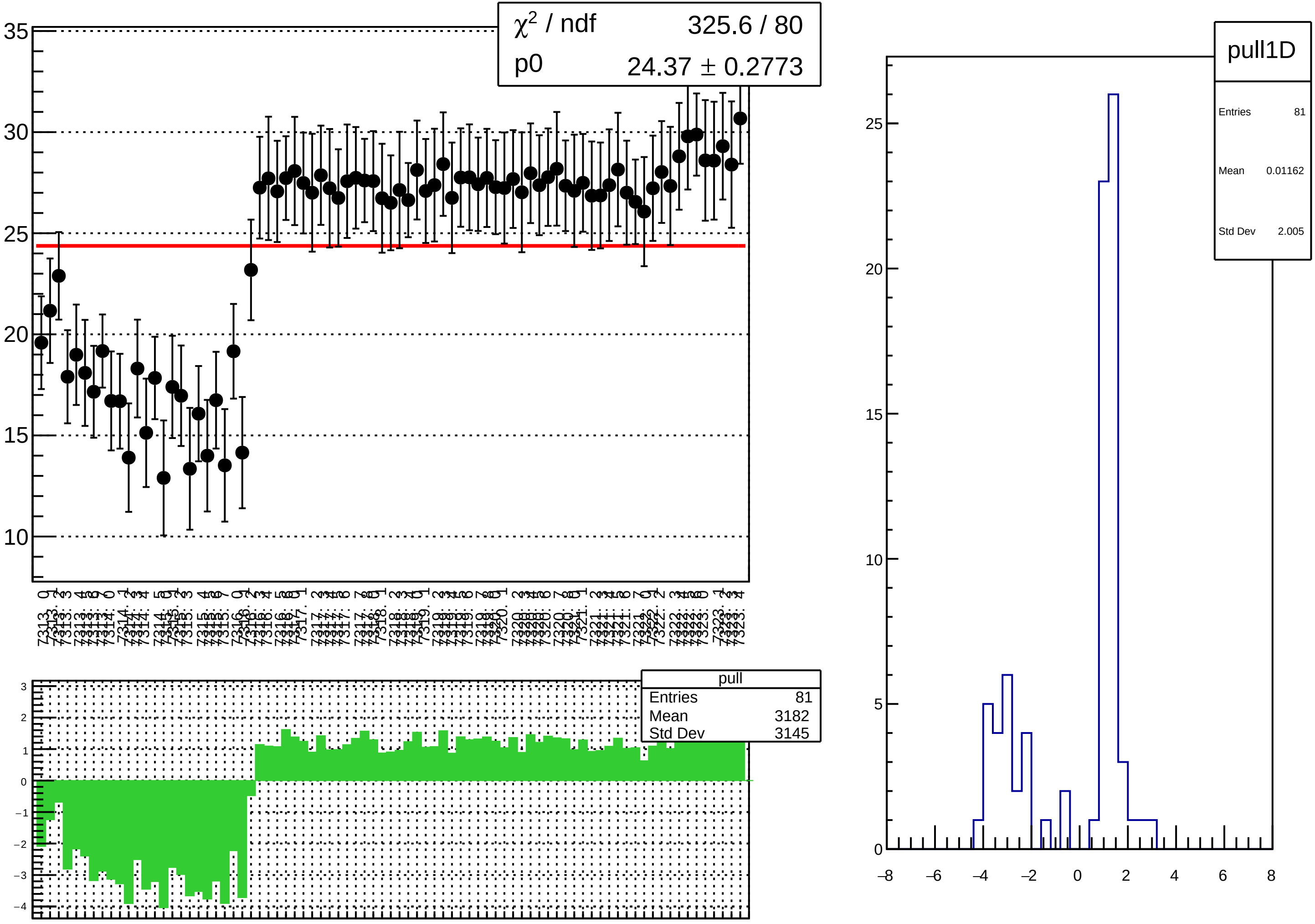


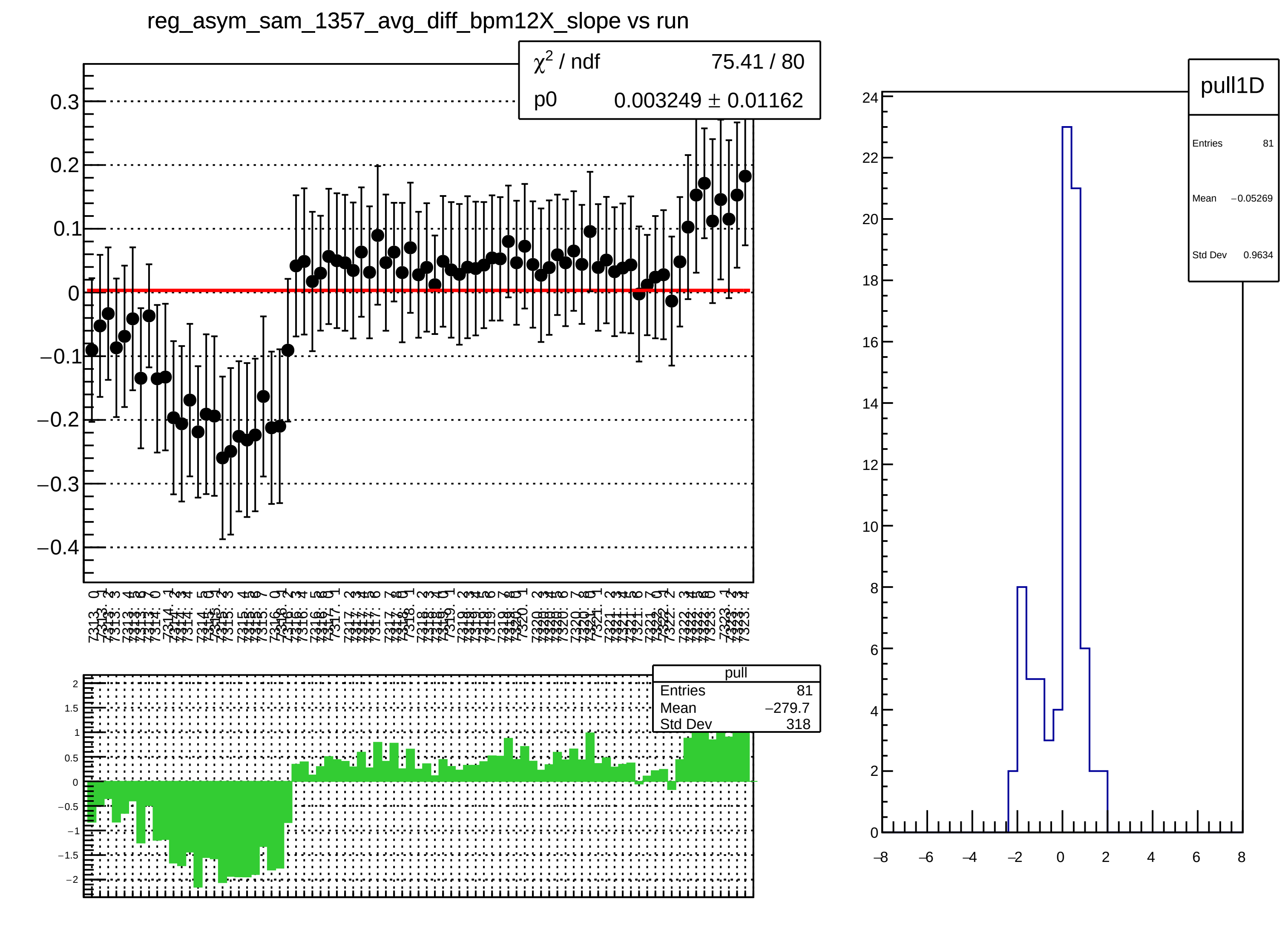
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 504 / 80
p0 3.793 ± 0.2546
pull
Entries 81
Mean −2527
Std Dev 2563
pull1D
Entries 81
Mean 0.01693
Std Dev 2.494

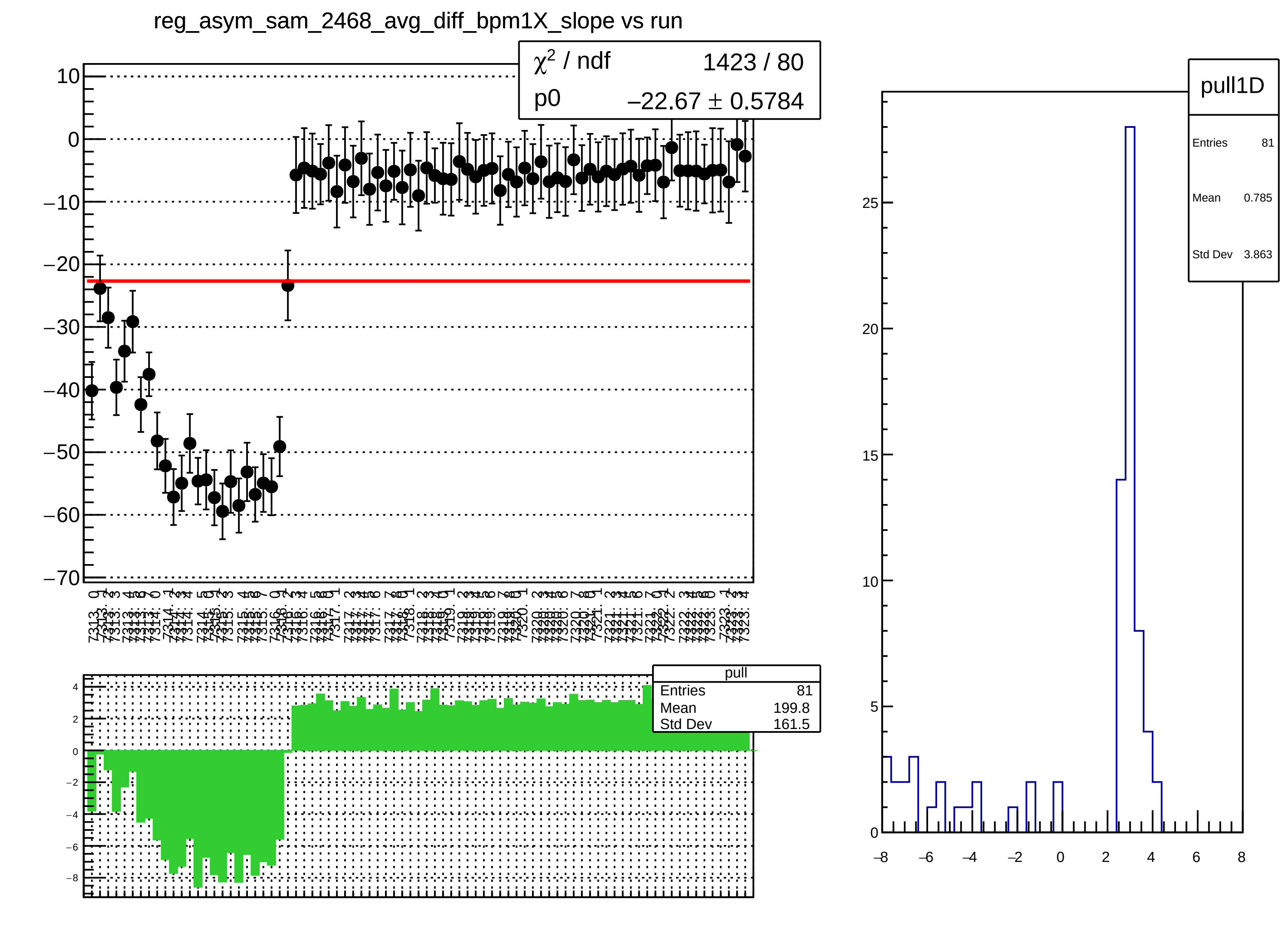


reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1147 / 80
p0 −20.99 ± 0.3084
pull
Entries 81
Mean 194.3
Std Dev 155.9
pull1D
Entries 81
Mean −0.4241
Std Dev 3.738

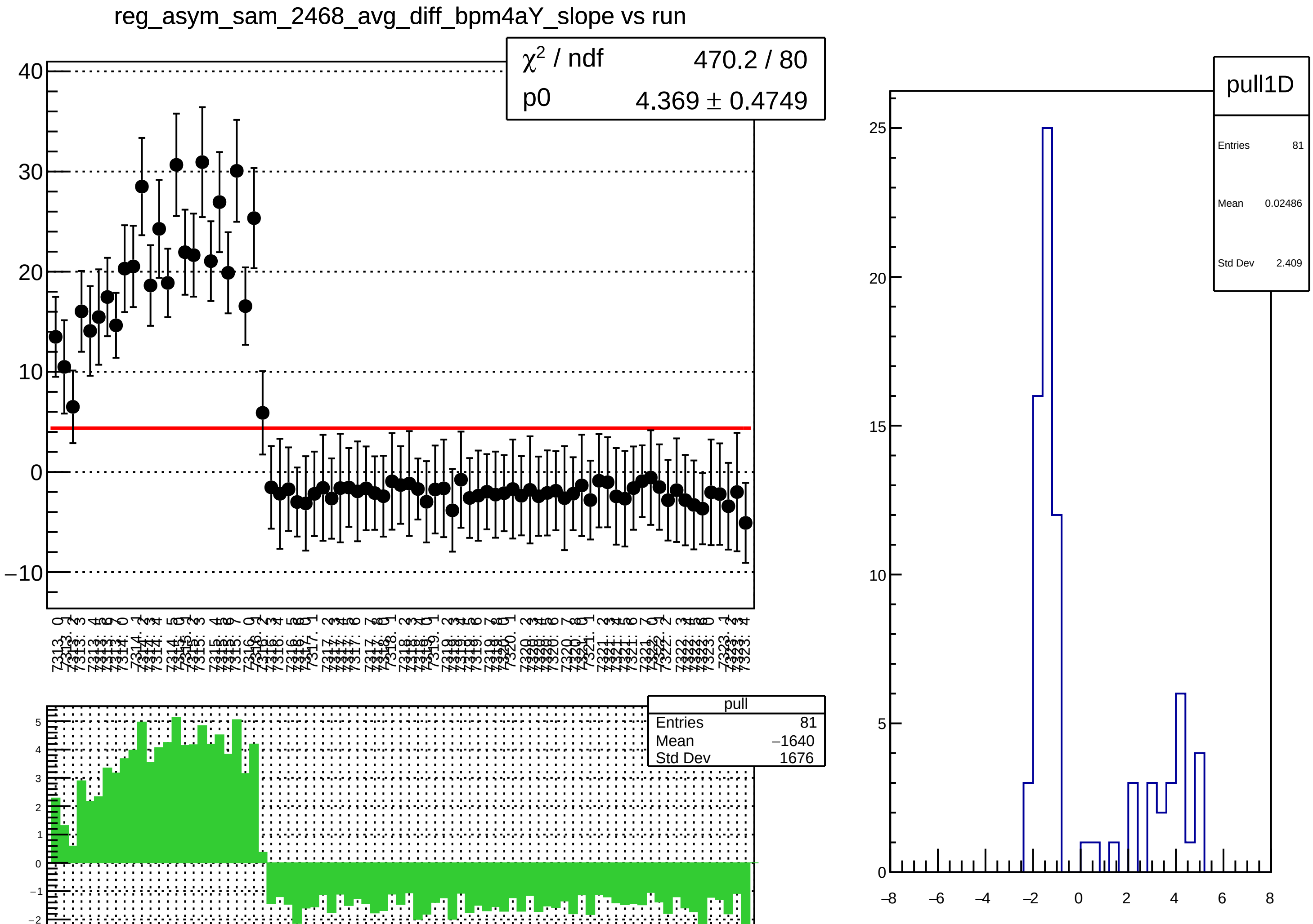
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run



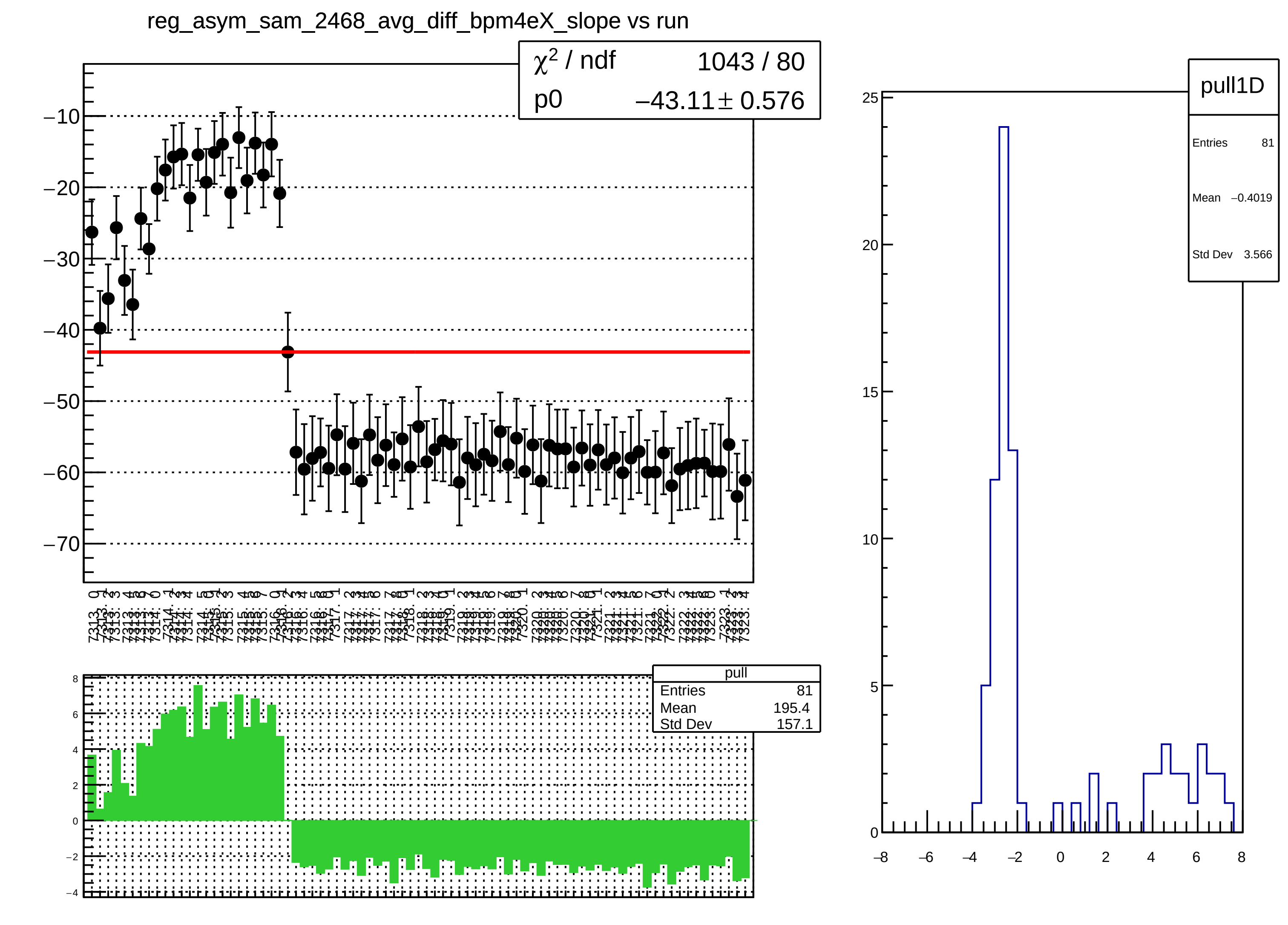

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ2 / ndf 75.41 / 80
p0 0.003249 ± 0.01162
pull
Entries 81
Mean −279.7
Std Dev 318
pull1D
Entries 81
Mean −0.05269
Std Dev 0.9634



reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1423 / 80
p0 −22.67 ± 0.5784
pull
Entries 81
Mean 199.8
Std Dev 161.5
pull1D
Entries 81
Mean 0.785
Std Dev 3.863

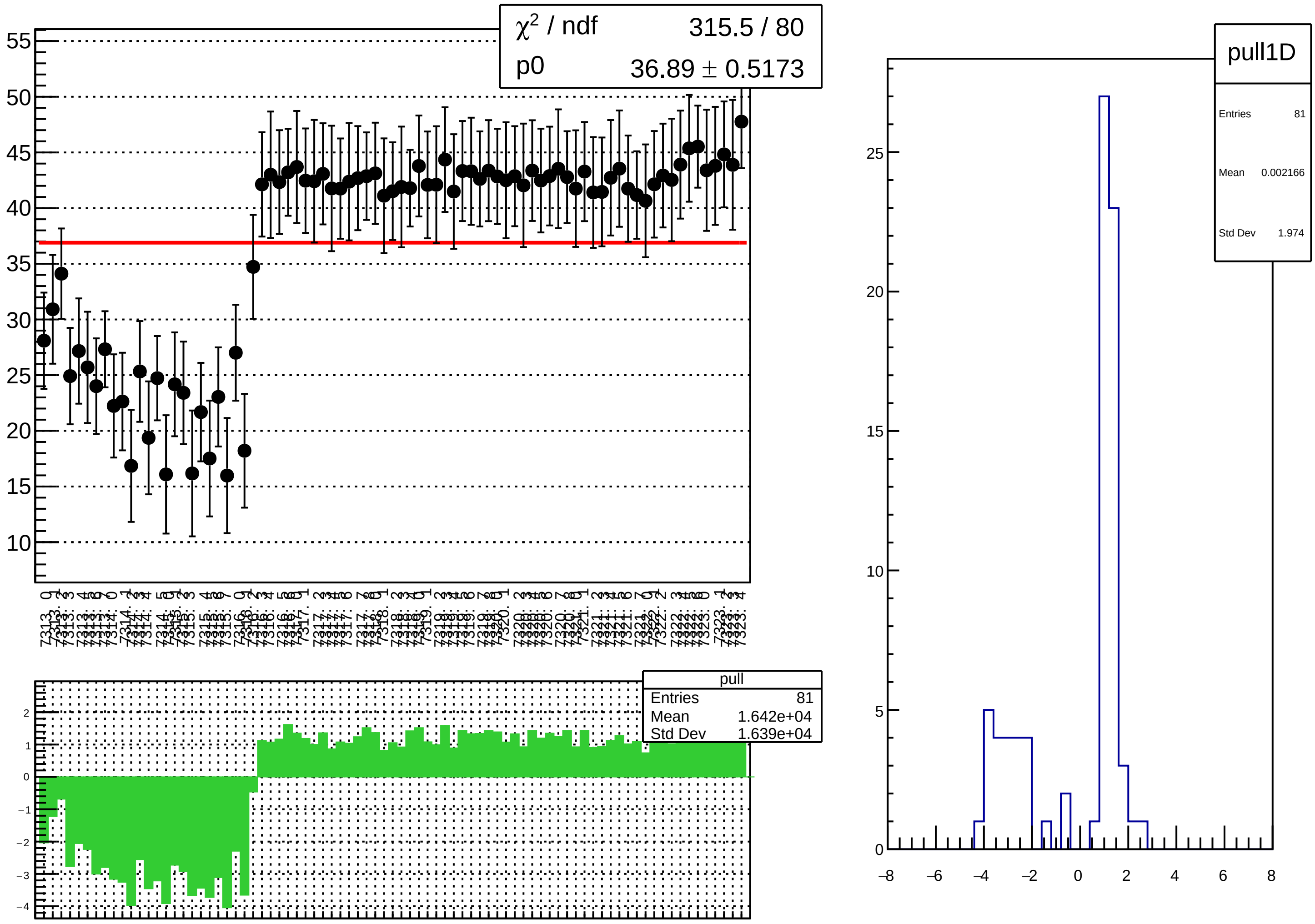


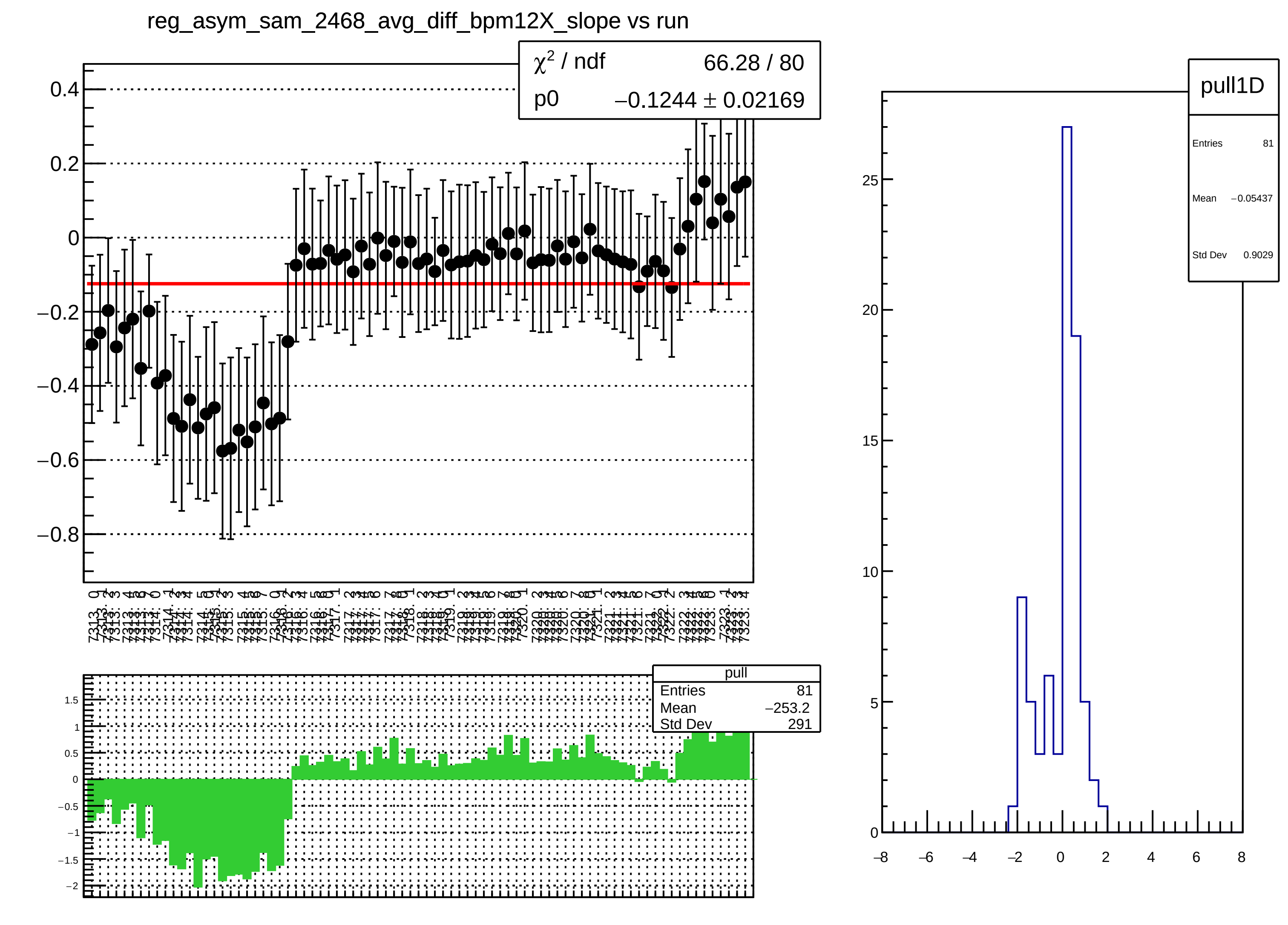
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 470.2 / 80
p0 4.369 ± 0.4749
pull
Entries 81
Mean −1640
Std Dev 1676
pull1D
Entries 81
Mean 0.02486
Std Dev 2.409



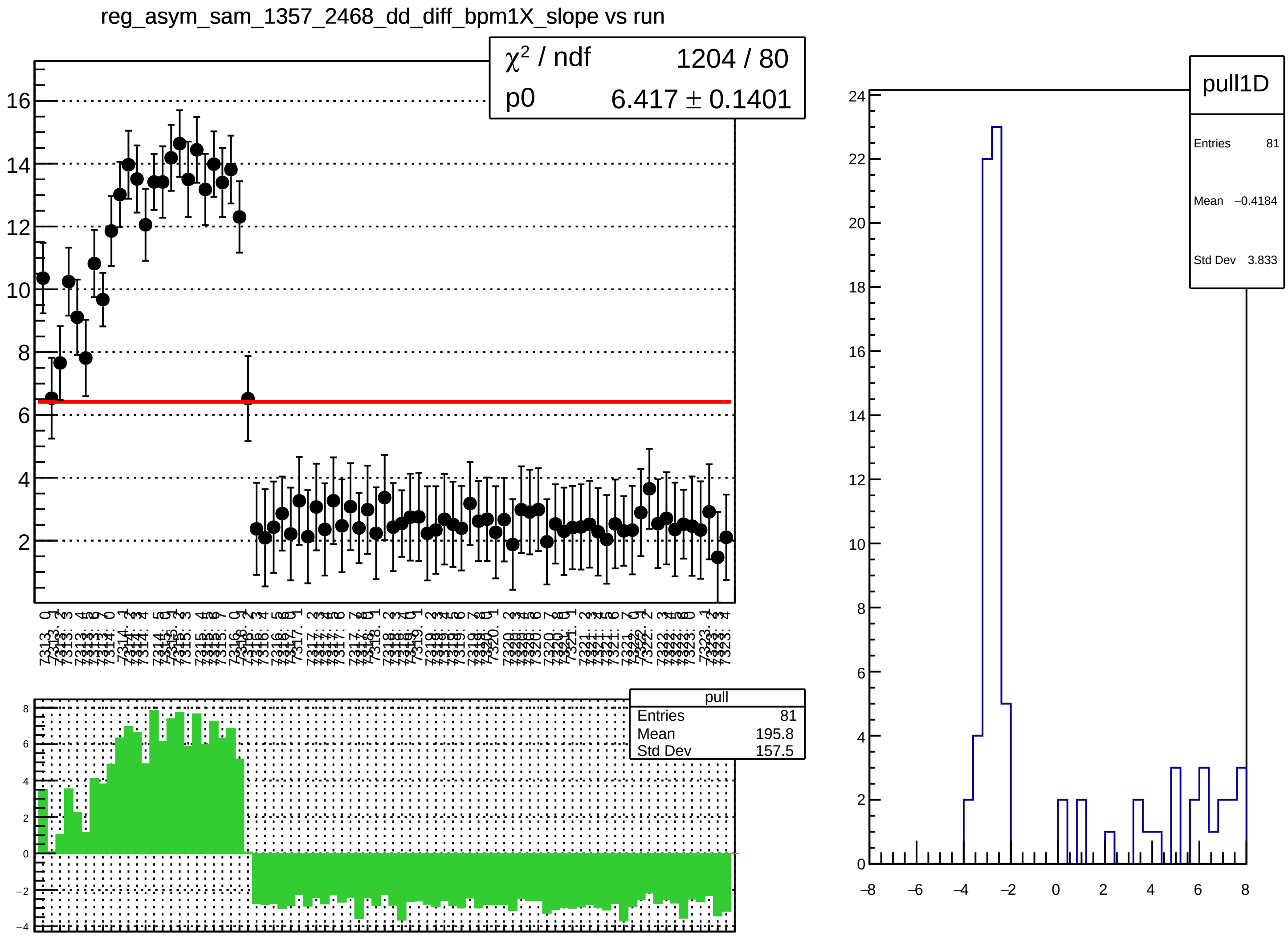
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1043 / 80
p0 −43.11 ± 0.576
pull
Entries 81
Mean 195.4
Std Dev 157.1
pull1D
Entries 81
Mean −0.4019
Std Dev 3.566

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run



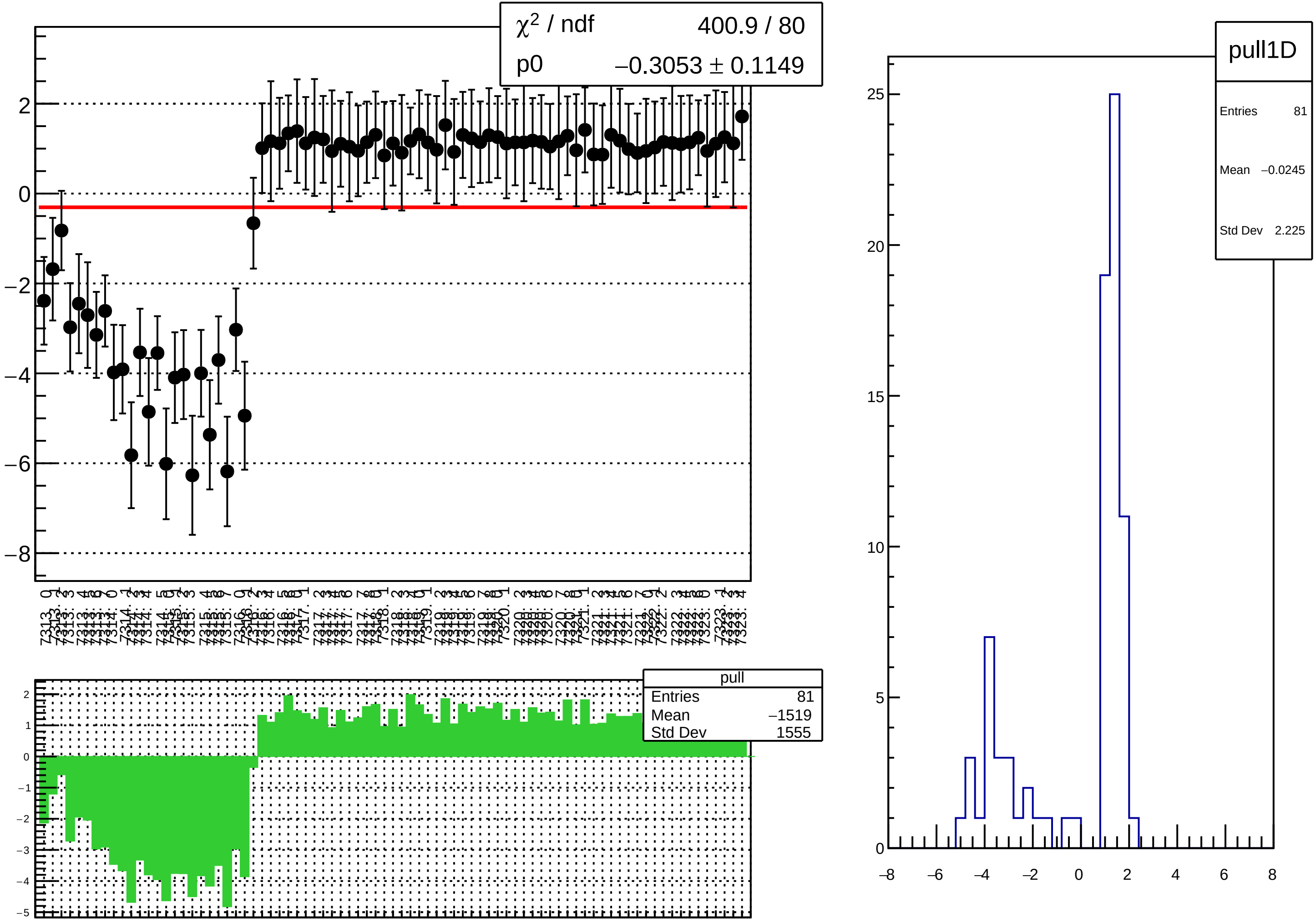


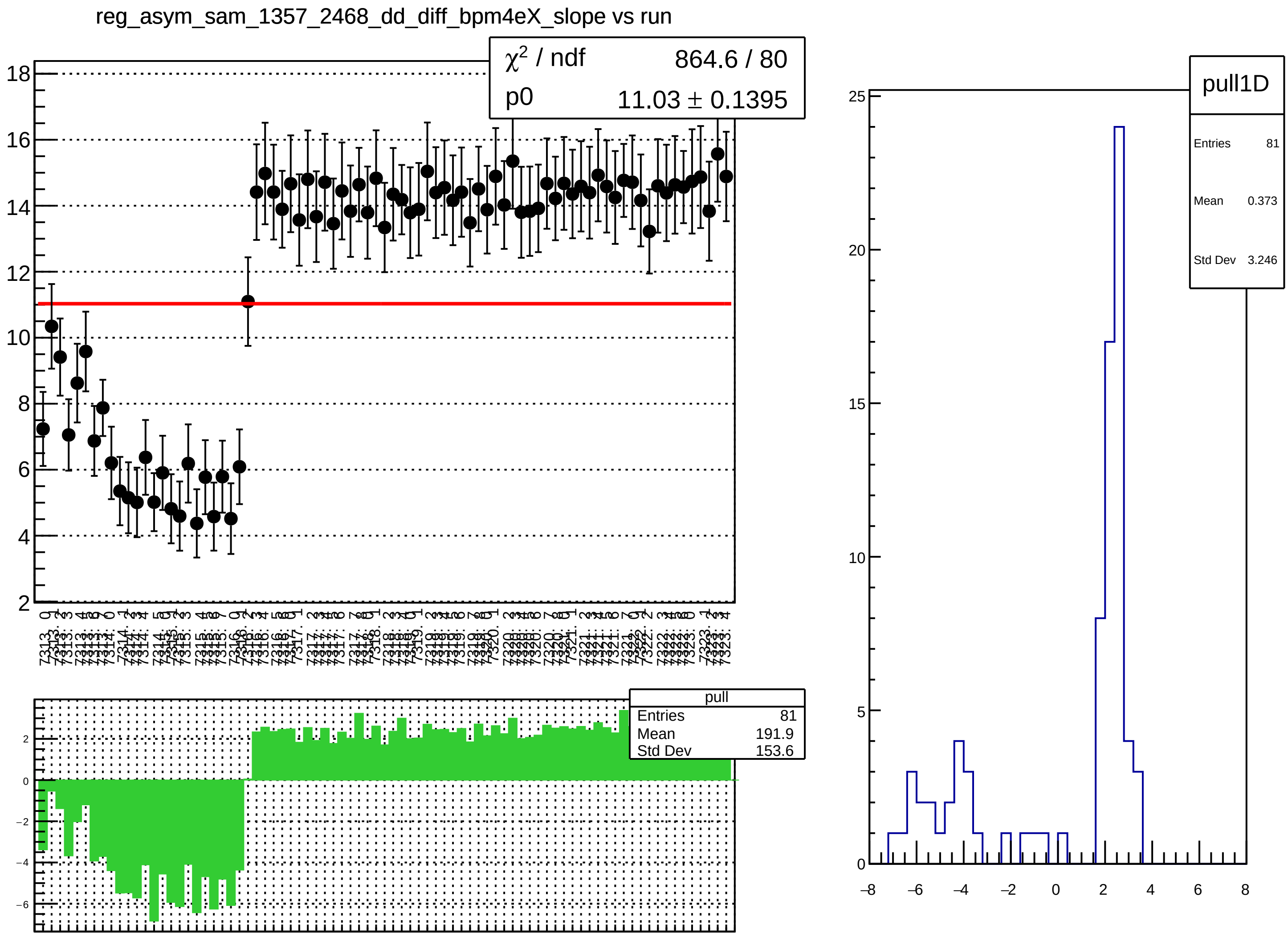
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 66.28 / 80
p0 −0.1244 ± 0.02169
pull
Entries 81
Mean −253.2
Std Dev 291
pull1D
Entries 81
Mean −0.05437
Std Dev 0.9029



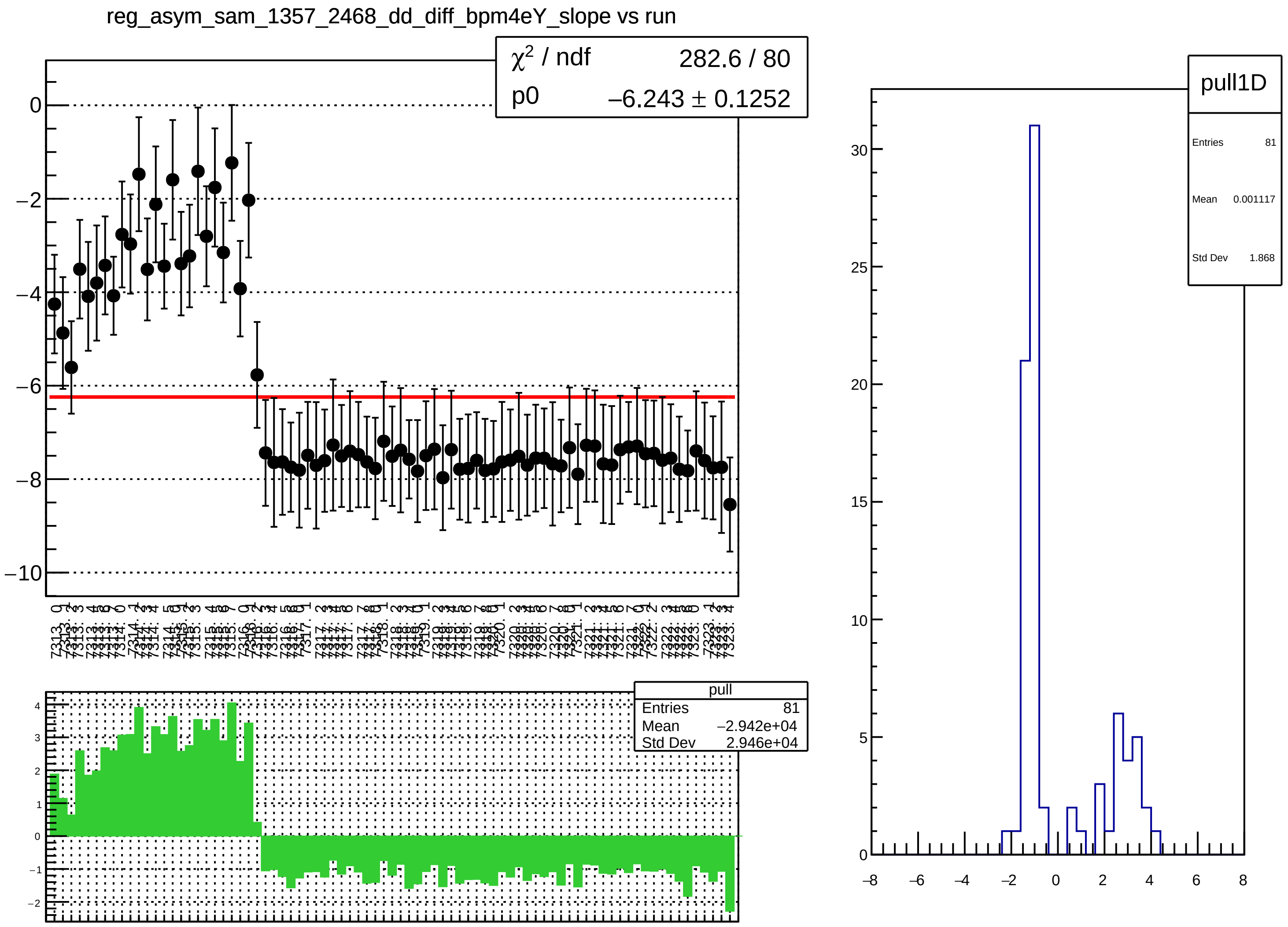
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1204 / 80
p0 6.417 ± 0.1401
pull
Entries 81
Mean 195.8
Std Dev 157.5
pull1D
Entries 81
Mean −0.4184
Std Dev 3.833

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

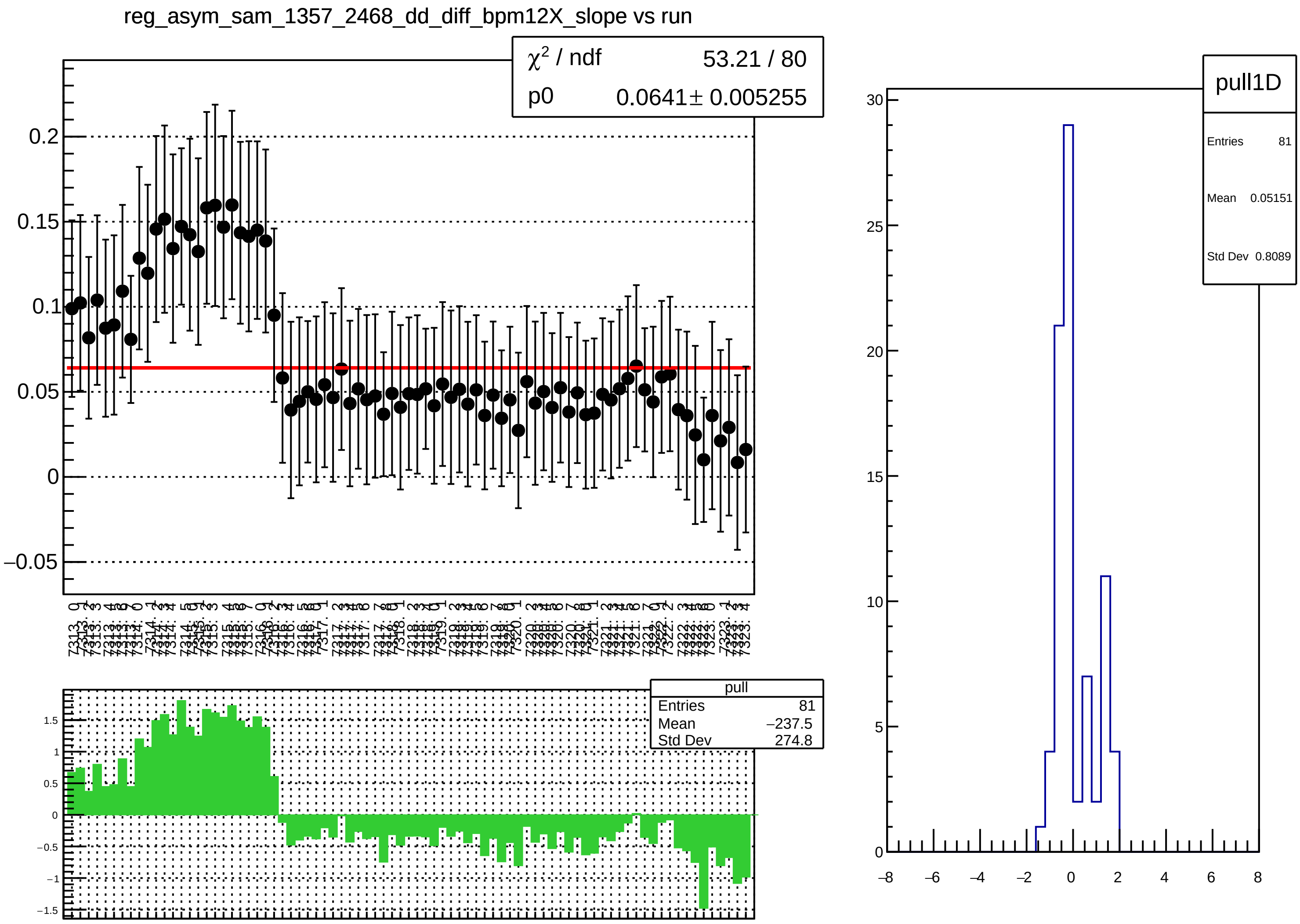




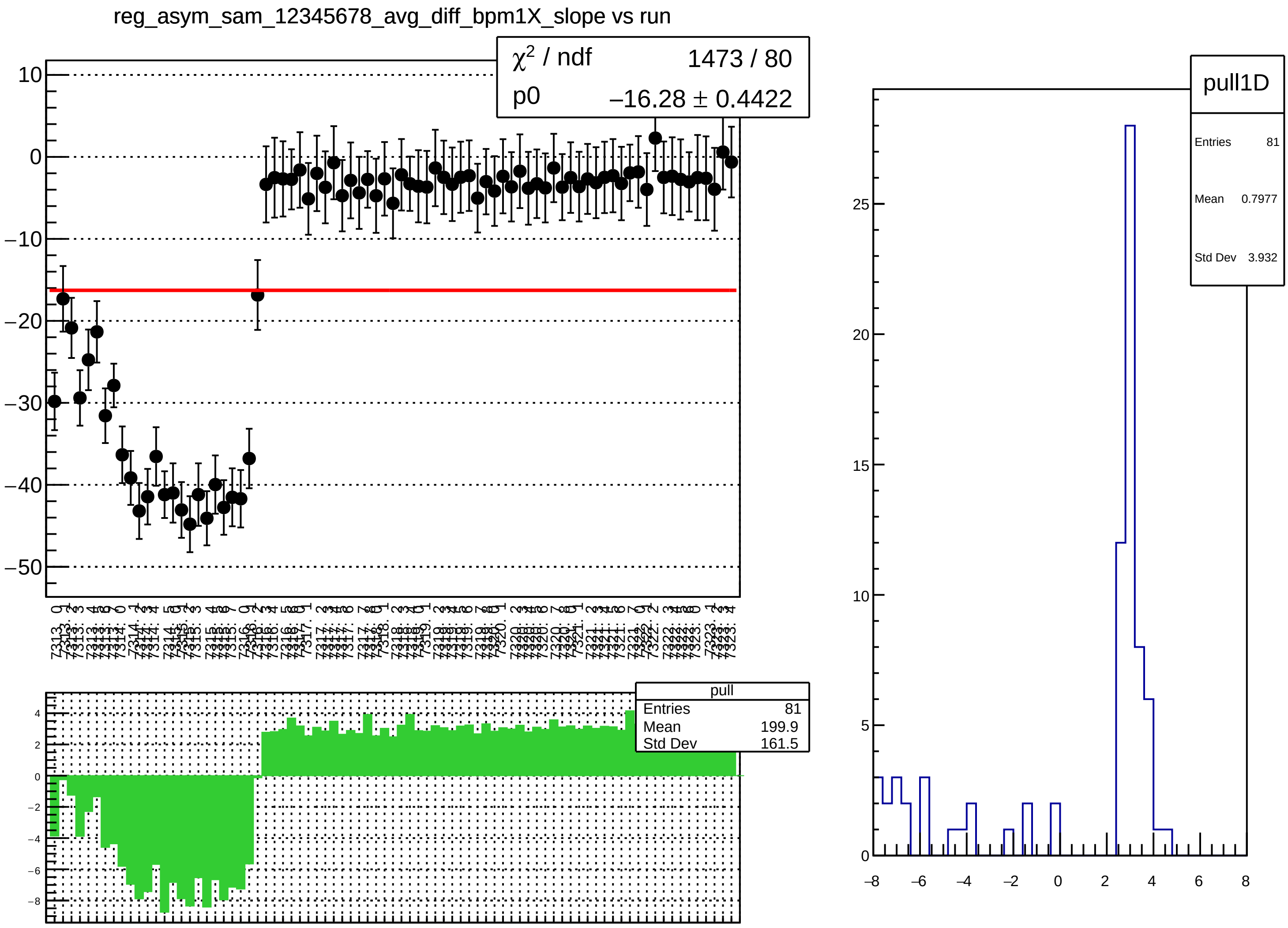
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ2 / ndf 864.6 / 80
p0 11.03 ± 0.1395
pull
Entries 81
Mean 191.9
Std Dev 153.6
pull1D
Entries 81
Mean 0.373
Std Dev 3.246



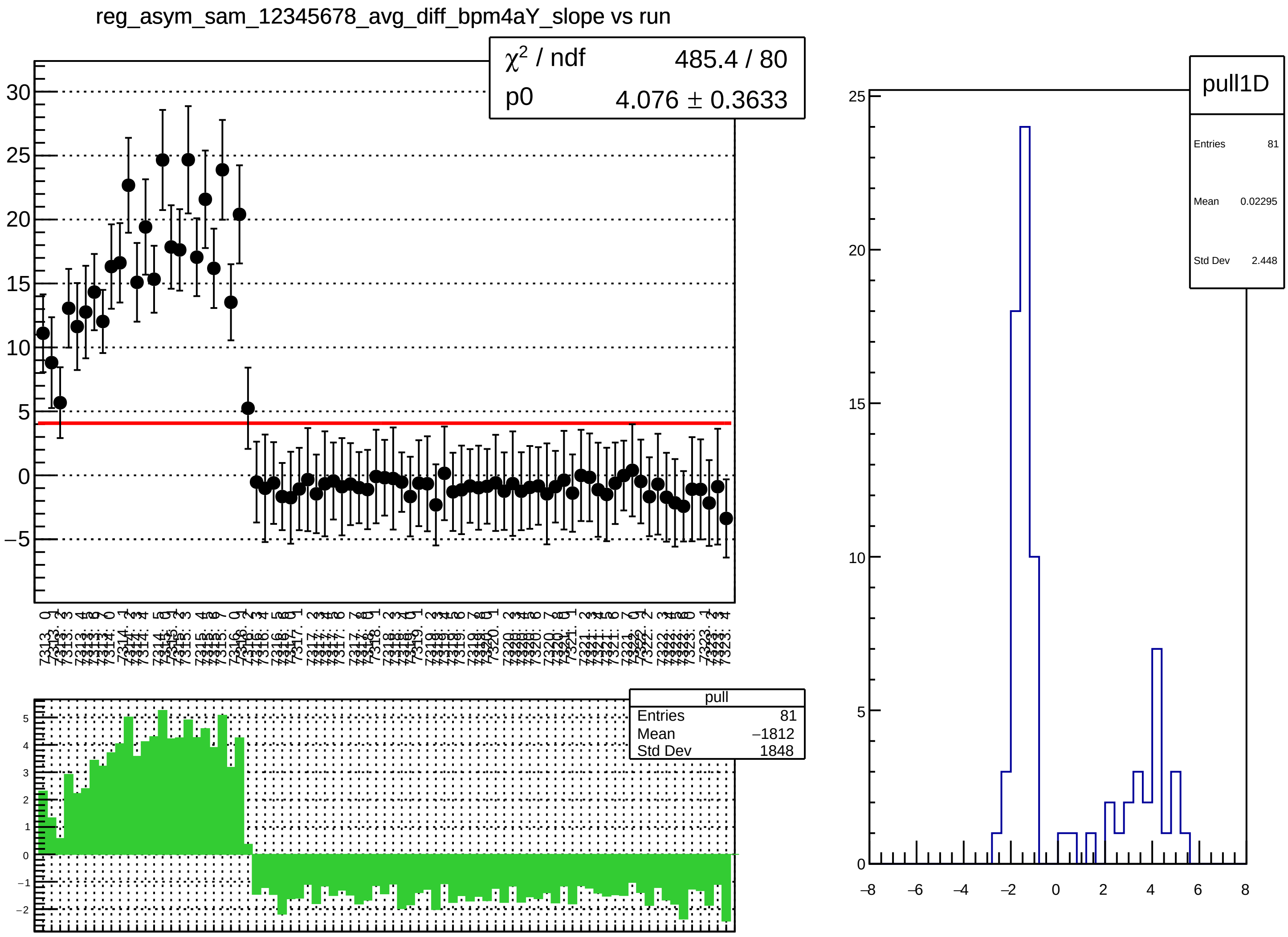
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ2 / ndf 282.6 / 80
p0 −6.243 ± 0.1252
pull
Entries 81
Mean −2.942e+04
Std Dev 2.946e+04
pull1D
Entries 81
Mean 0.001117
Std Dev 1.868



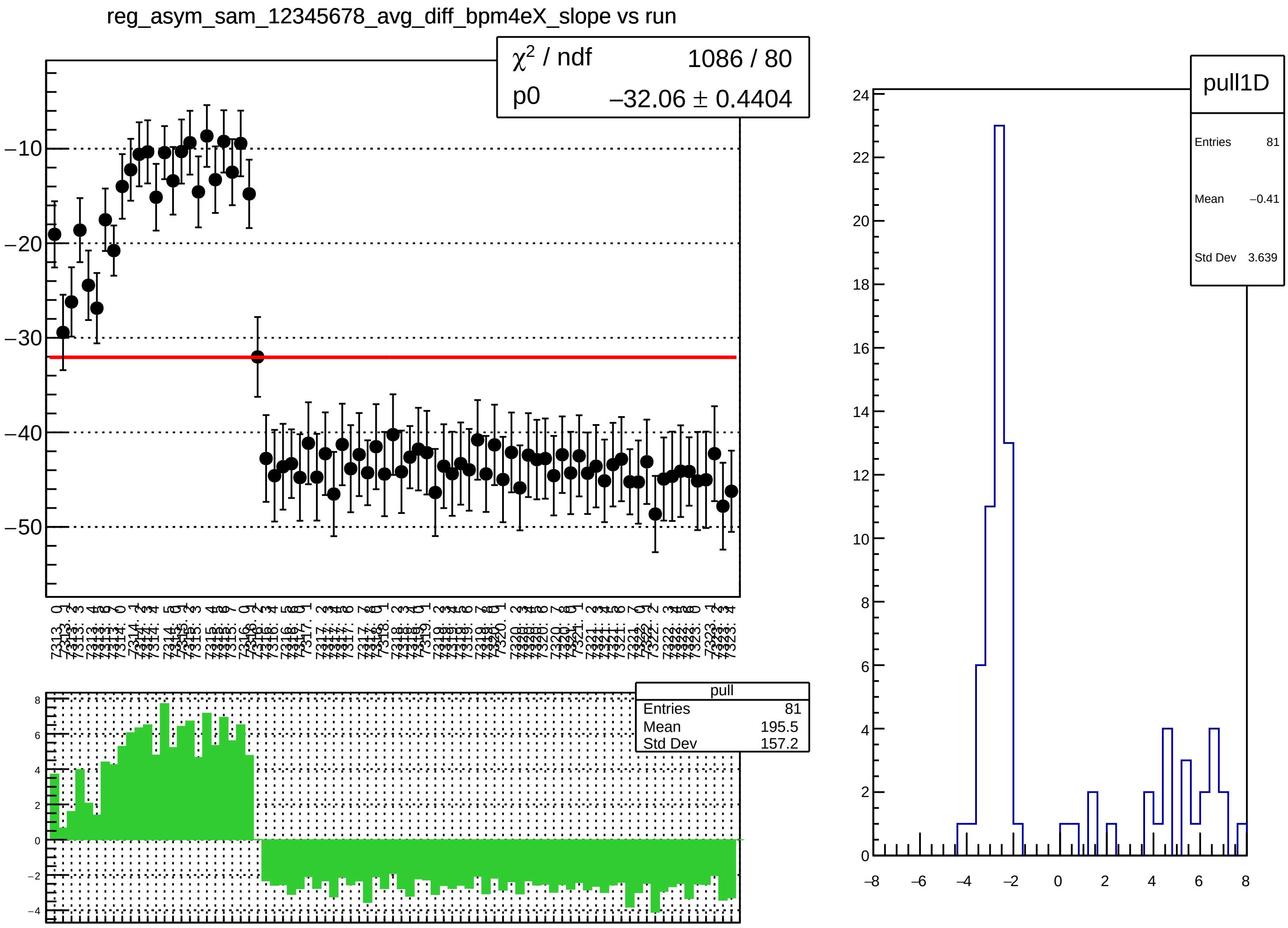
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 53.21 / 80
p0 0.0641± 0.005255
pull
Entries 81
Mean −237.5
Std Dev 274.8
pull1D
Entries 81
Mean 0.05151
Std Dev 0.8089

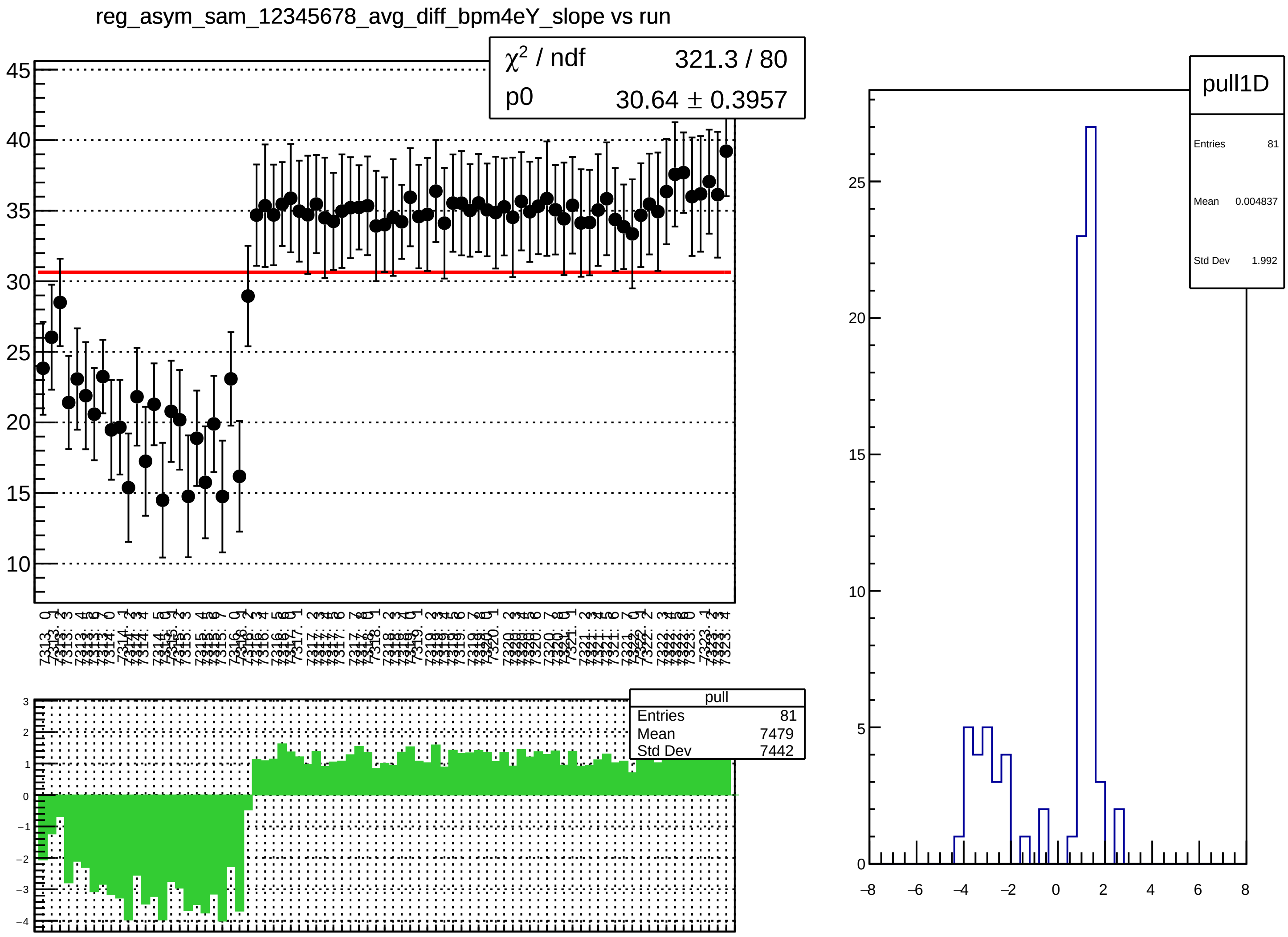


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1473 / 80
p0 −16.28 ± 0.4422
pull
Entries 81
Mean 199.9
Std Dev 161.5
pull1D
Entries 81
Mean 0.7977
Std Dev 3.932

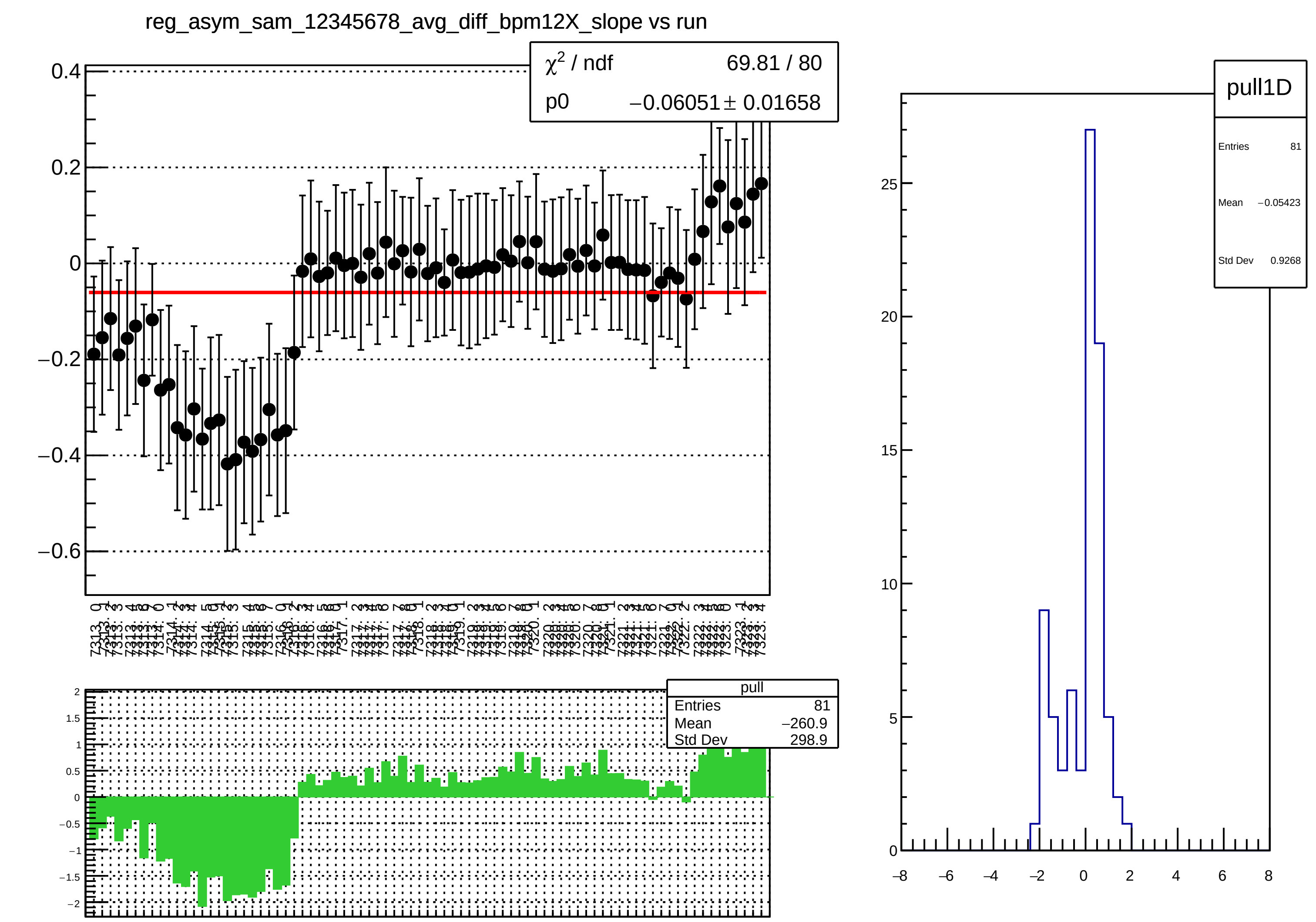


reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 485.4 / 80
p0 4.076 ± 0.3633
30
25
20
15
10
5
0
−5
pull
Entries 81
Mean −1812
Std Dev 1848
5
4
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.02295
Std Dev 2.448
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 1086 / 80
p0 −32.06 ± 0.4404
−10
−20
−30
−40
−50
pull
Entries 81
Mean 195.5
Std Dev 157.2
8
6
4
2
0
−2
−4
pull1D
Entries 81
Mean −0.41
Std Dev 3.639
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

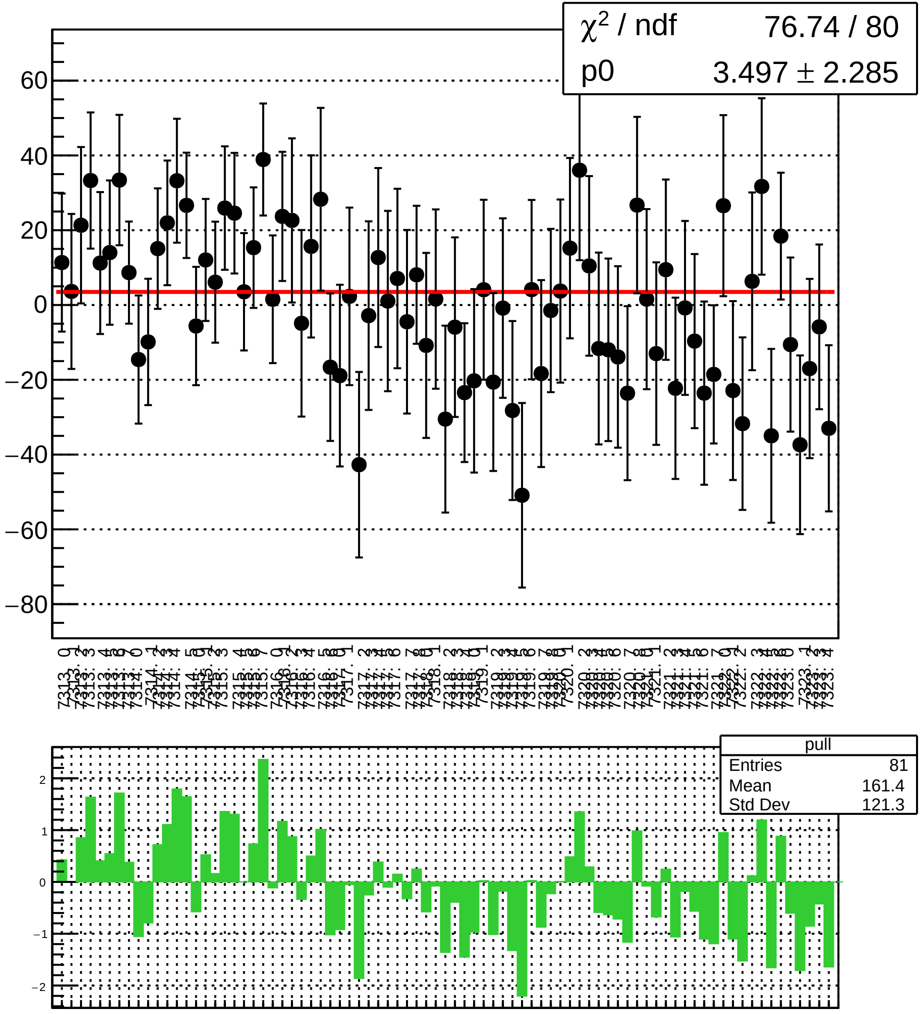


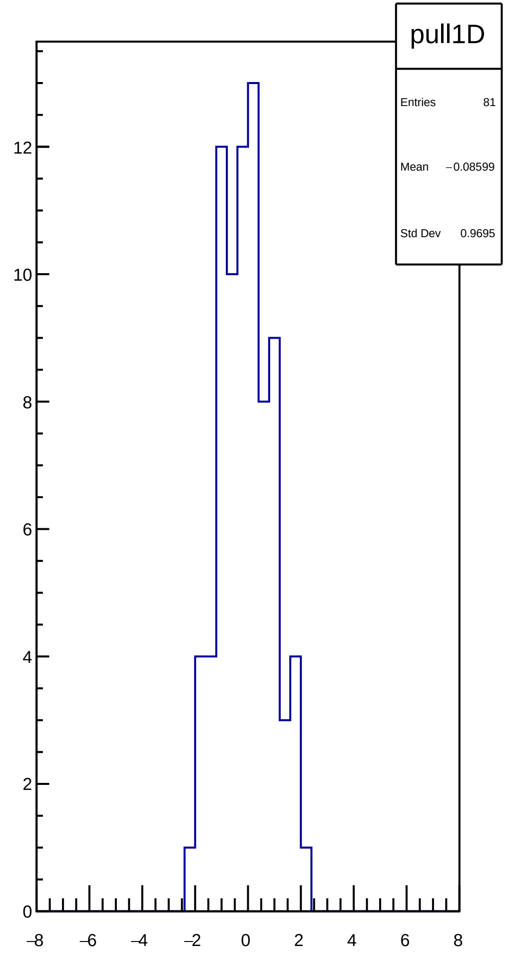
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 321.3 / 80
p0 30.64 ± 0.3957
pull
Entries 81
Mean 7479
Std Dev 7442
pull1D
Entries 81
Mean 0.004837
Std Dev 1.992

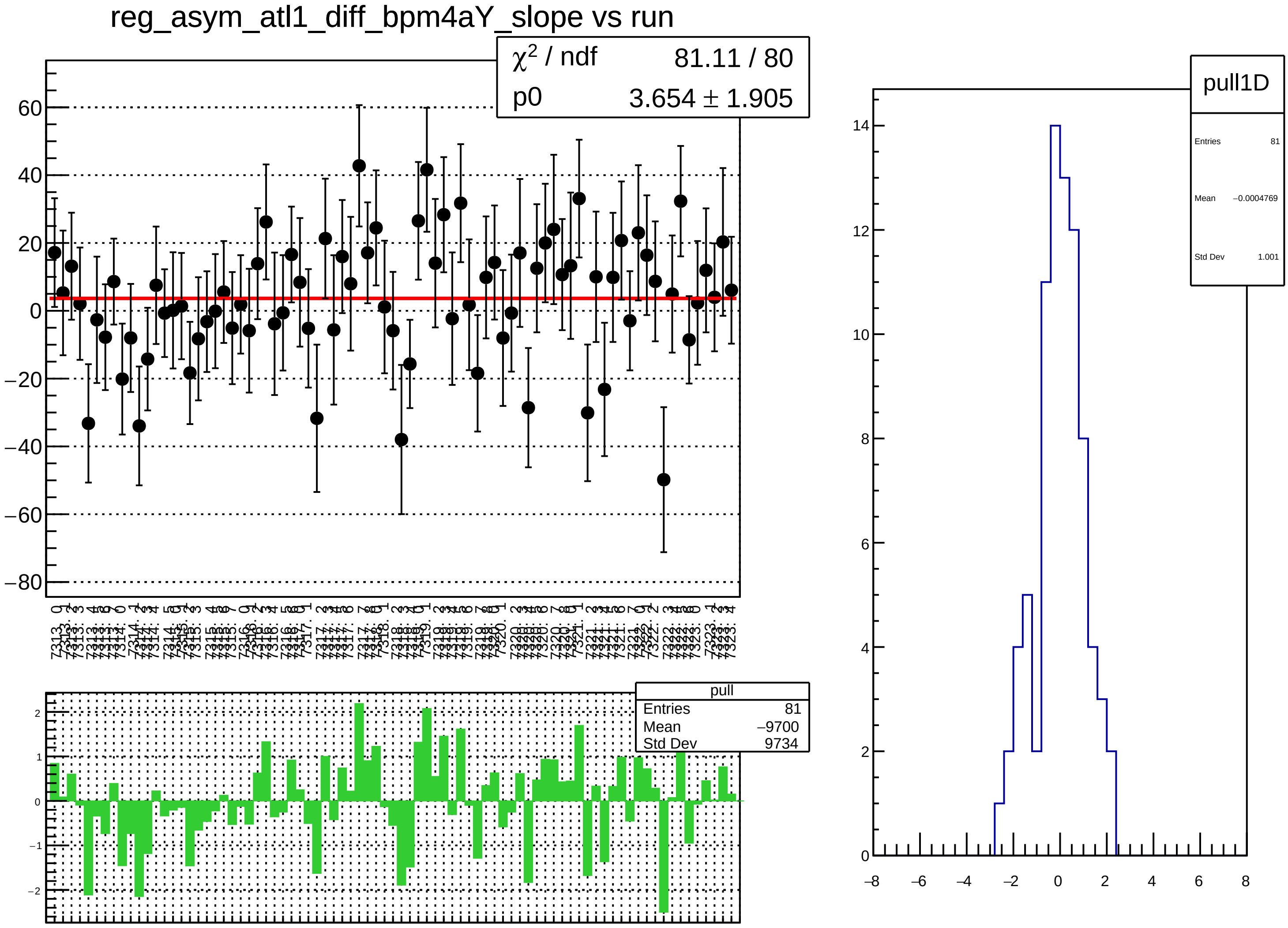


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ2 / ndf 69.81 / 80
p0 −0.06051 ± 0.01658
pull
Entries 81
Mean −260.9
Std Dev 298.9
pull1D
Entries 81
Mean −0.05423
Std Dev 0.9268

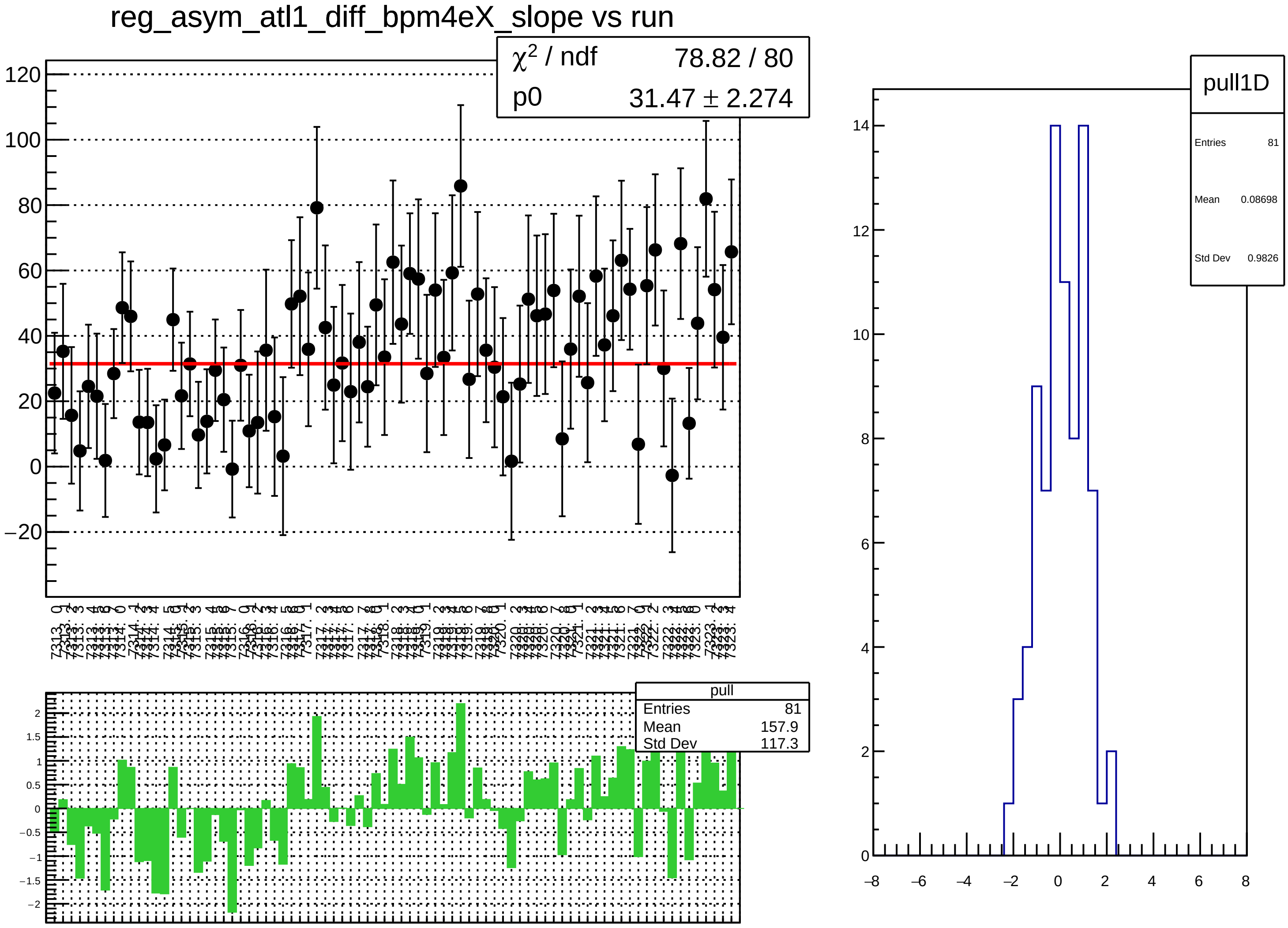
reg_asym_atl1_diff_bpm1X_slope vs run



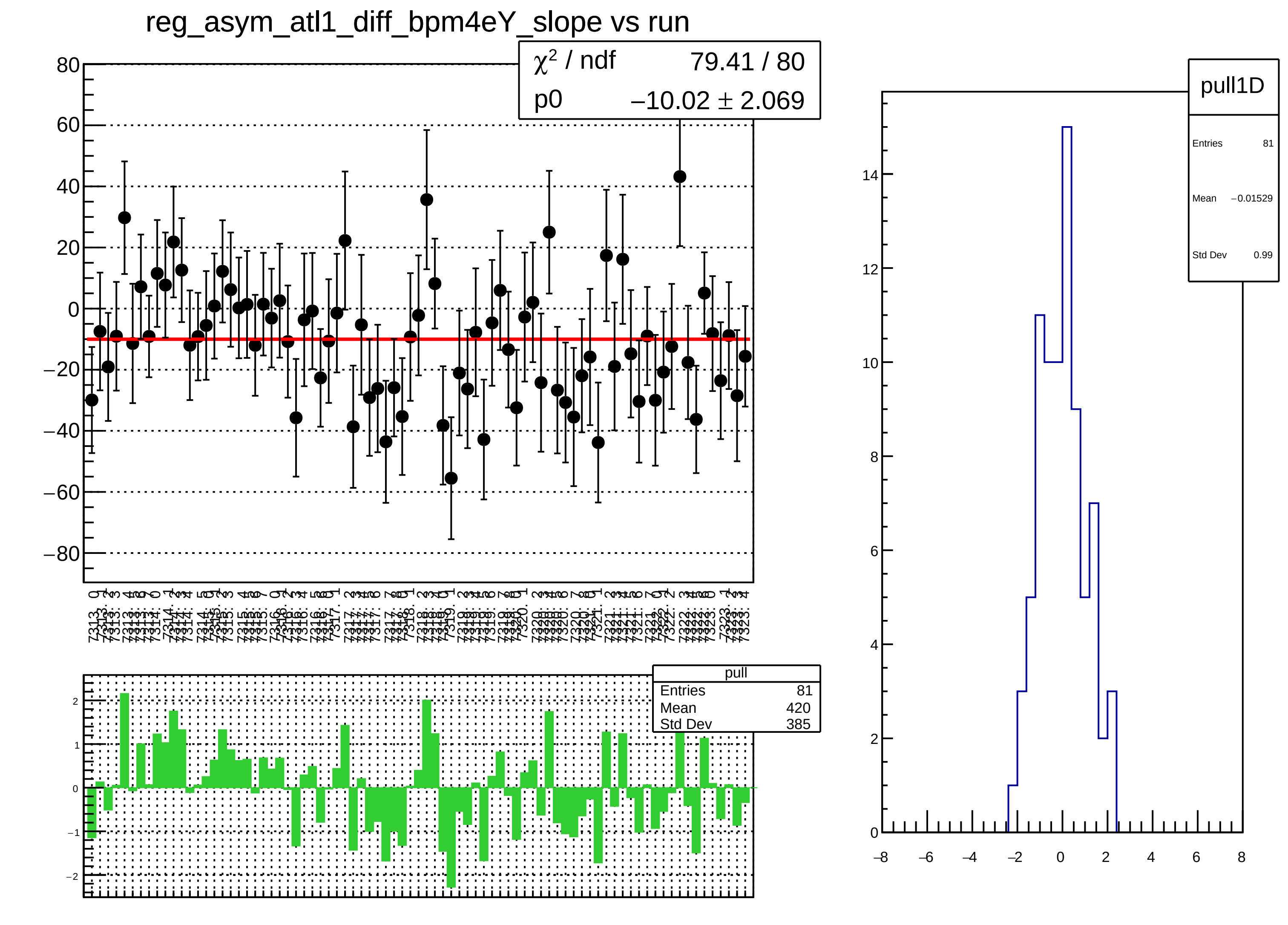




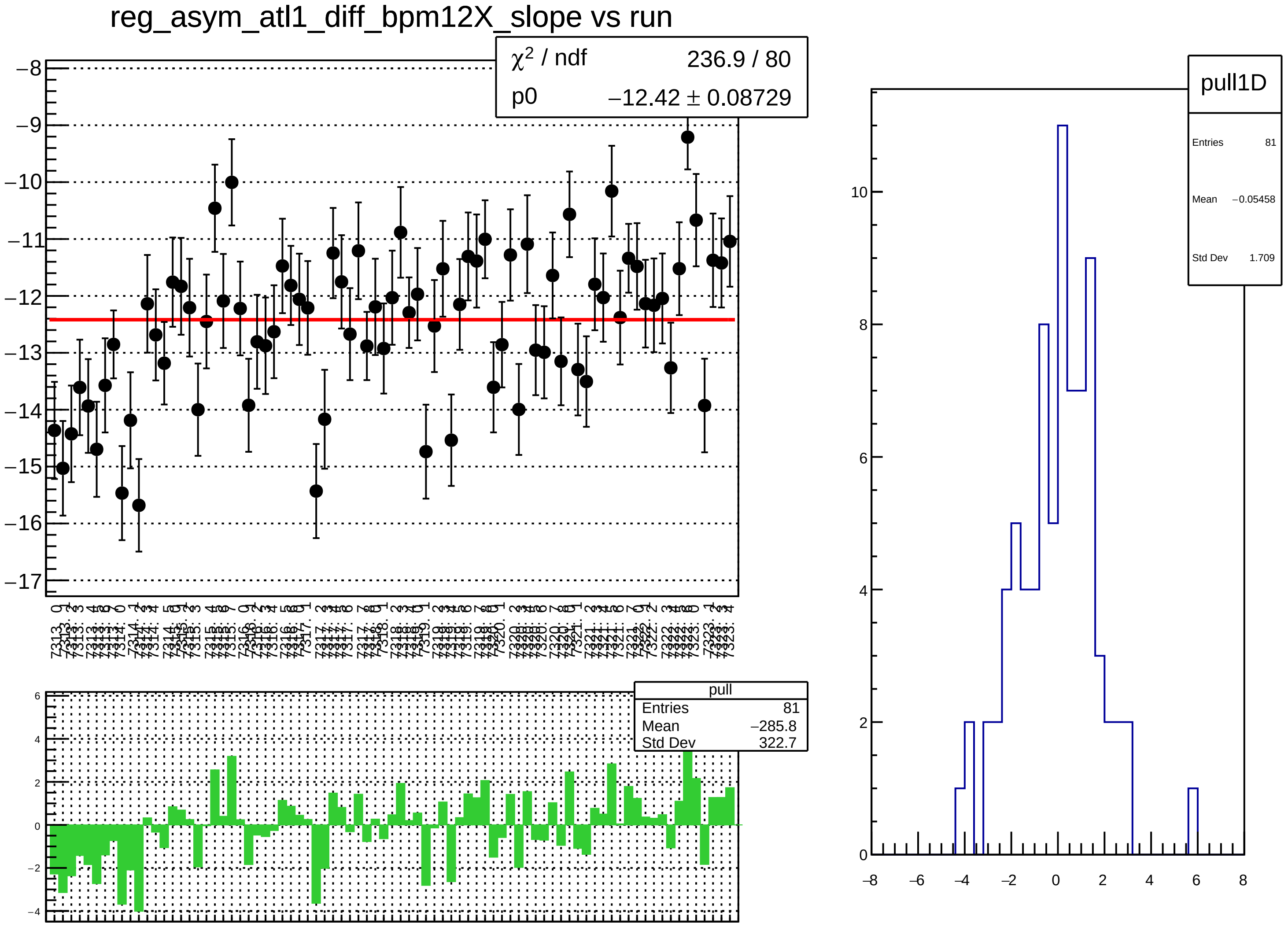
reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 81.11 / 80
p0 3.654 ± 1.905
pull
Entries 81
Mean −9700
Std Dev 9734
pull1D
Entries 81
Mean −0.0004769
Std Dev 1.001



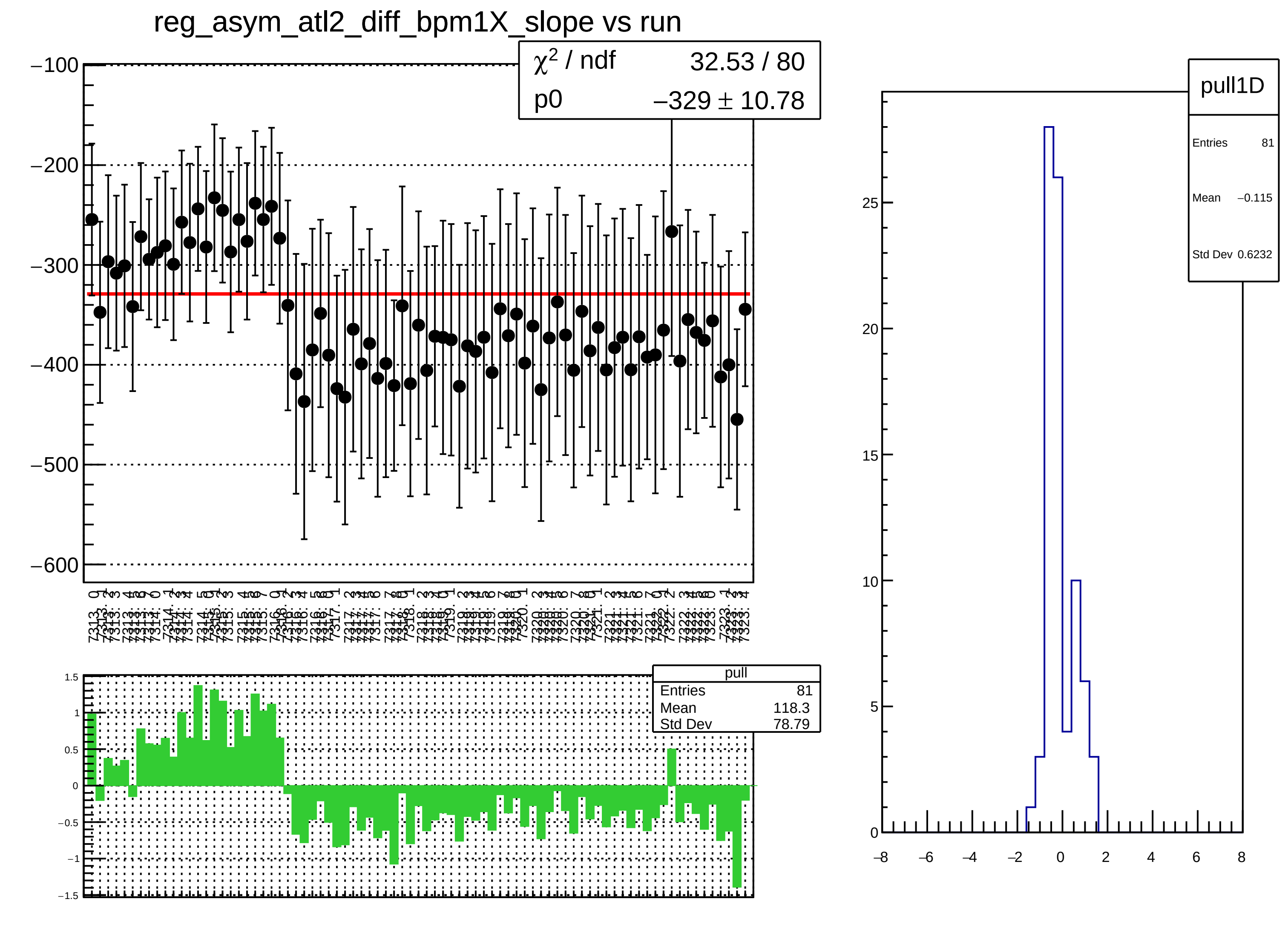
reg_asym_atl1_diff_bpm4eX_slope vs run
χ2 / ndf 78.82 / 80
p0 31.47 ± 2.274
pull
Entries 81
Mean 157.9
Std Dev 117.3
pull1D
Entries 81
Mean 0.08698
Std Dev 0.9826

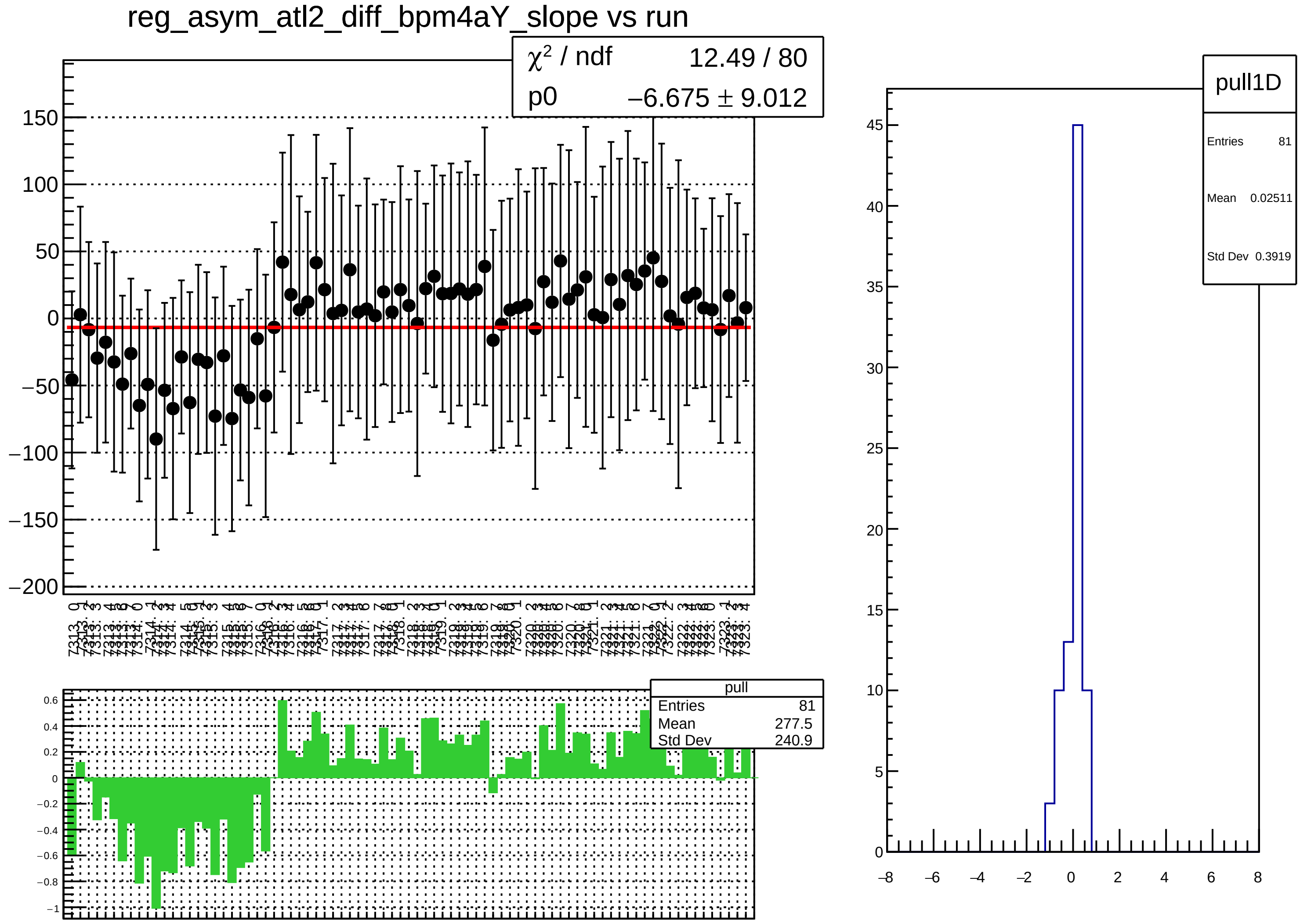


reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 79.41 / 80
p0 −10.02 ± 2.069
pull
Entries 81
Mean 420
Std Dev 385
pull1D
Entries 81
Mean −0.01529
Std Dev 0.99

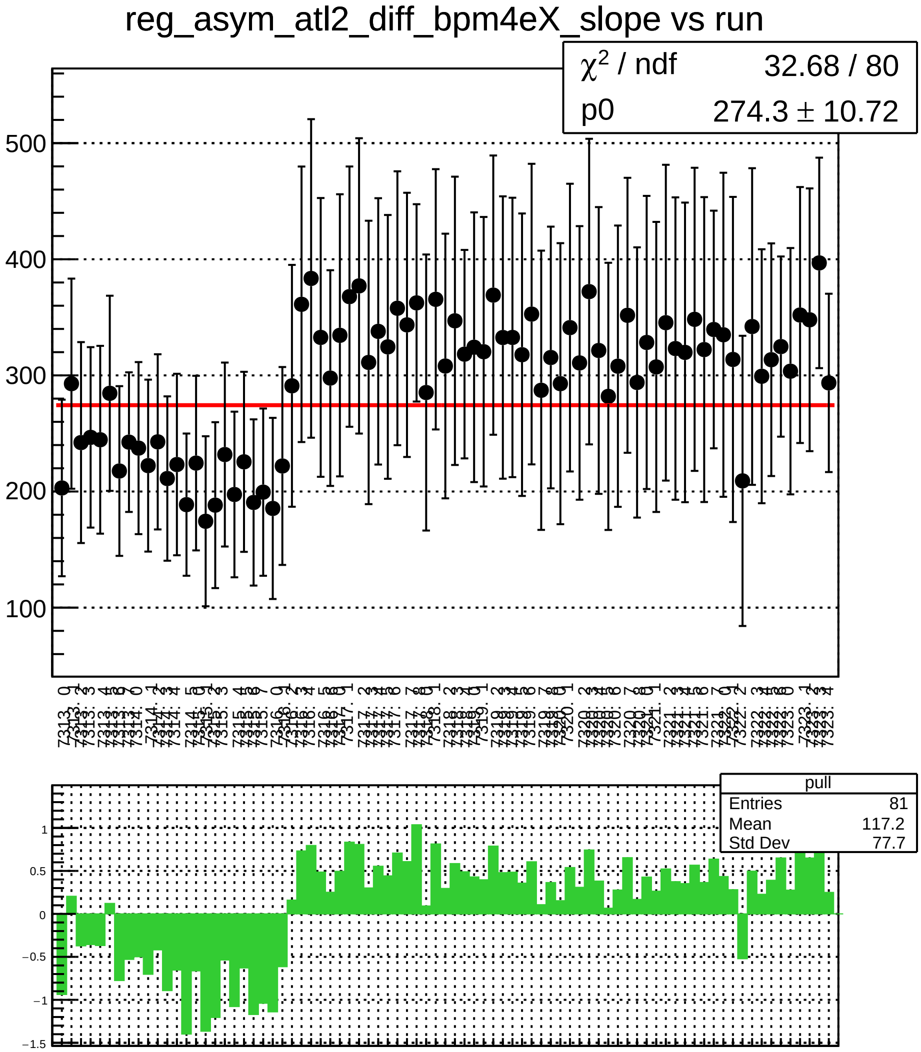


reg_asym_atl1_diff_bpm12X_slope vs run
χ2 / ndf 236.9 / 80
p0 −12.42 ± 0.08729
pull
Entries 81
Mean −285.8
Std Dev 322.7
pull1D
Entries 81
Mean −0.05458
Std Dev 1.709

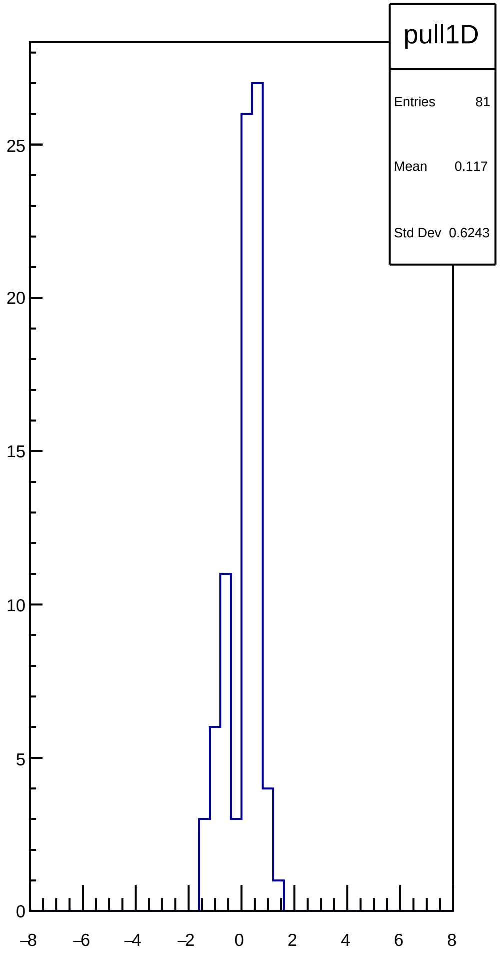

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 32.53 / 80
p0 −329 ± 10.78
pull
Entries 81
Mean 118.3
Std Dev 78.79
pull1D
Entries 81
Mean −0.115
Std Dev 0.6232



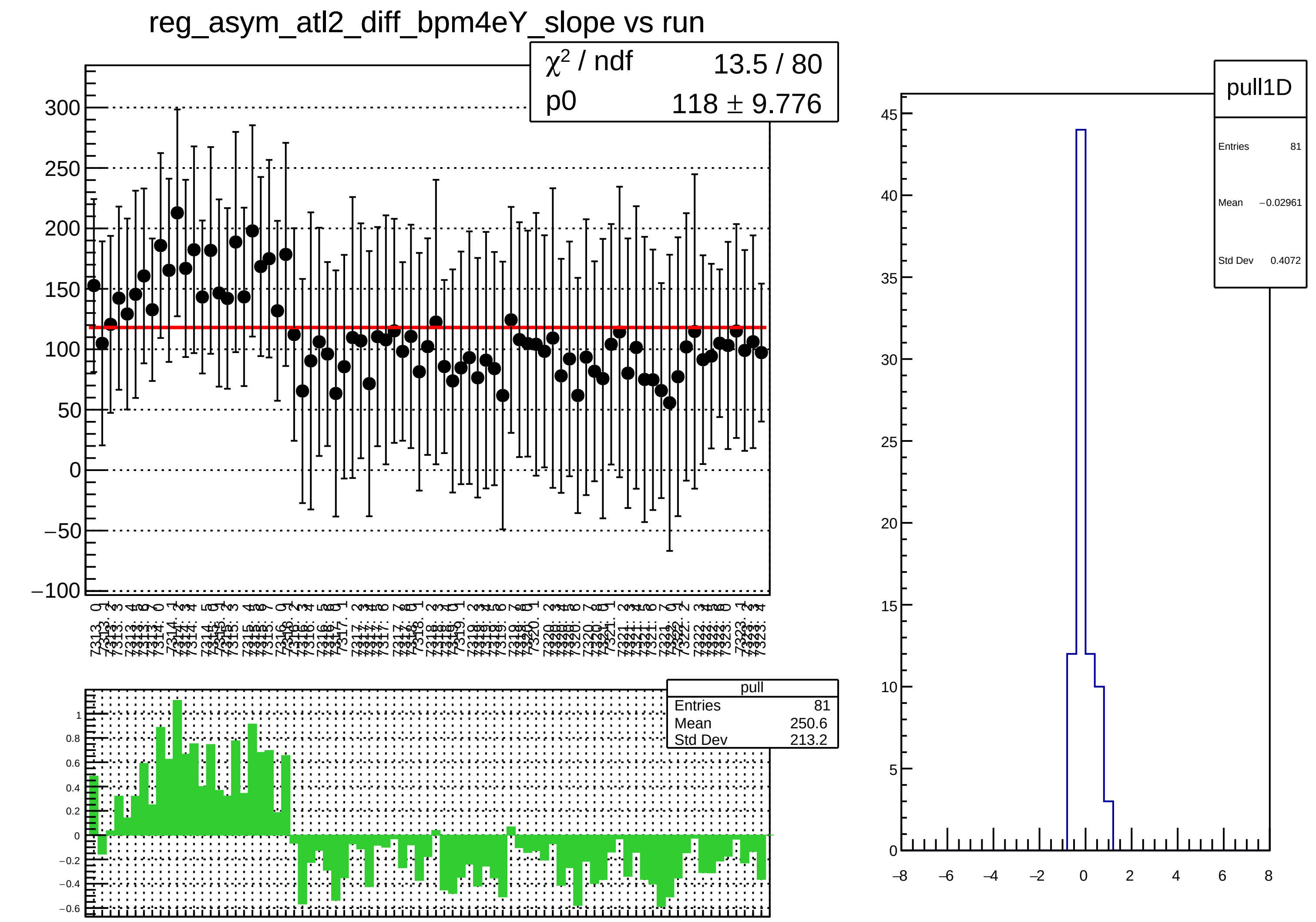
reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 12.49 / 80
p0 −6.675 ± 9.012
pull
Entries 81
Mean 277.5
Std Dev 240.9
pull1D
Entries 81
Mean 0.02511
Std Dev 0.3919

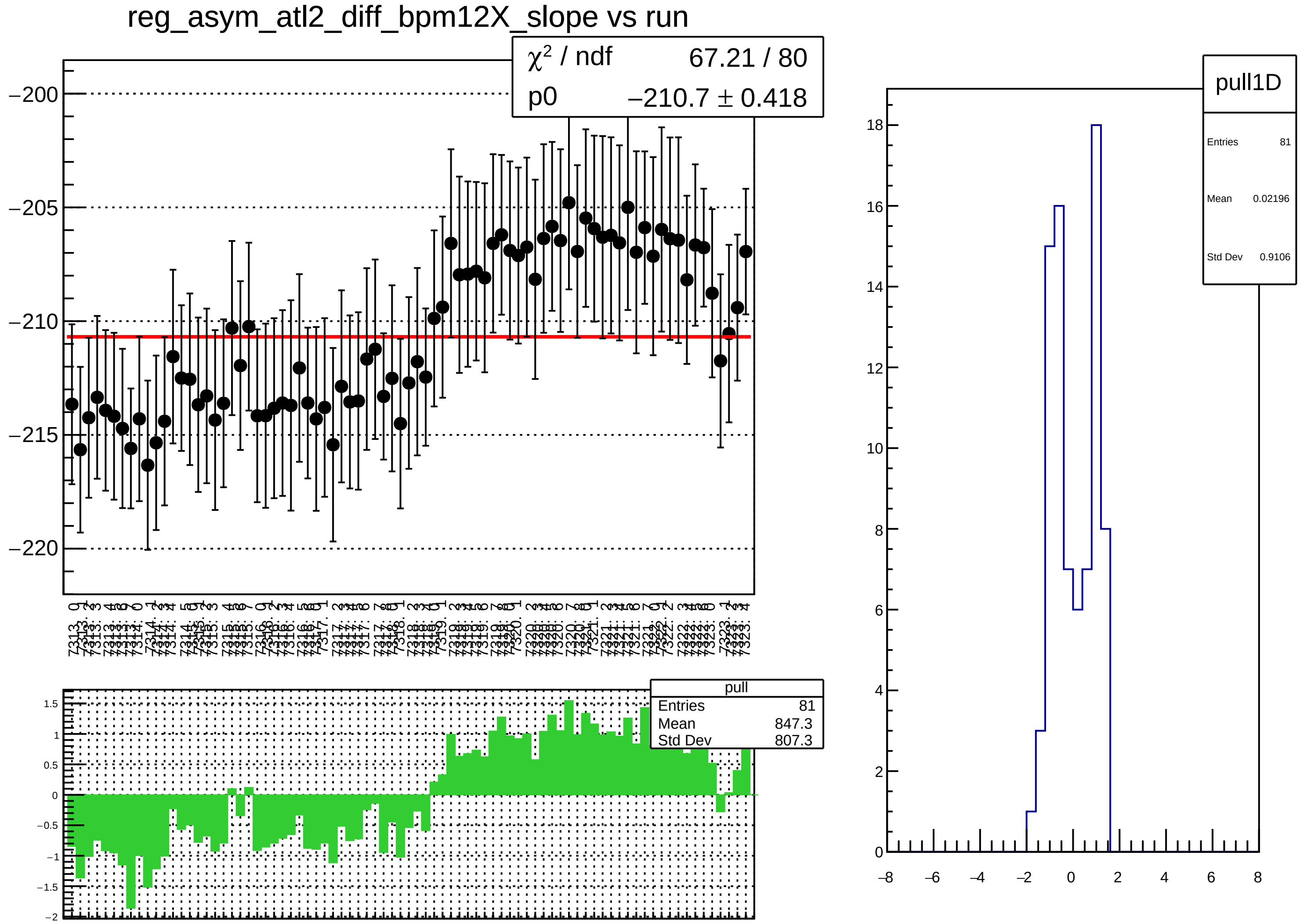


reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 32.68 / 80
p0 274.3 ± 10.72
500
400
300
200
100
pull
Entries 81
Mean 117.2
Std Dev 77.7
1
0.5
0
−0.5
−1
−1.5

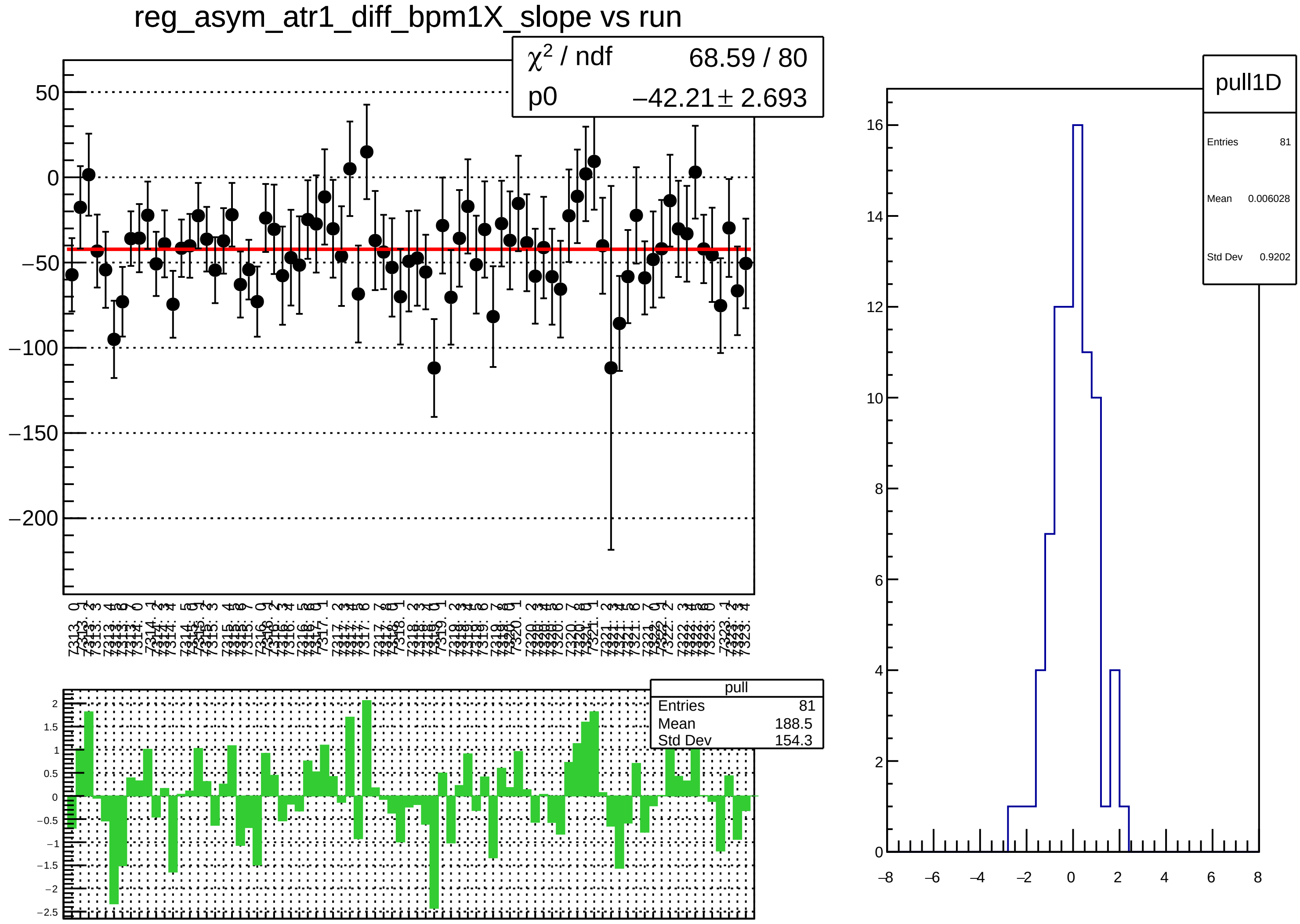


pull1D
Entries 81
Mean 0.117
Std Dev 0.6243
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

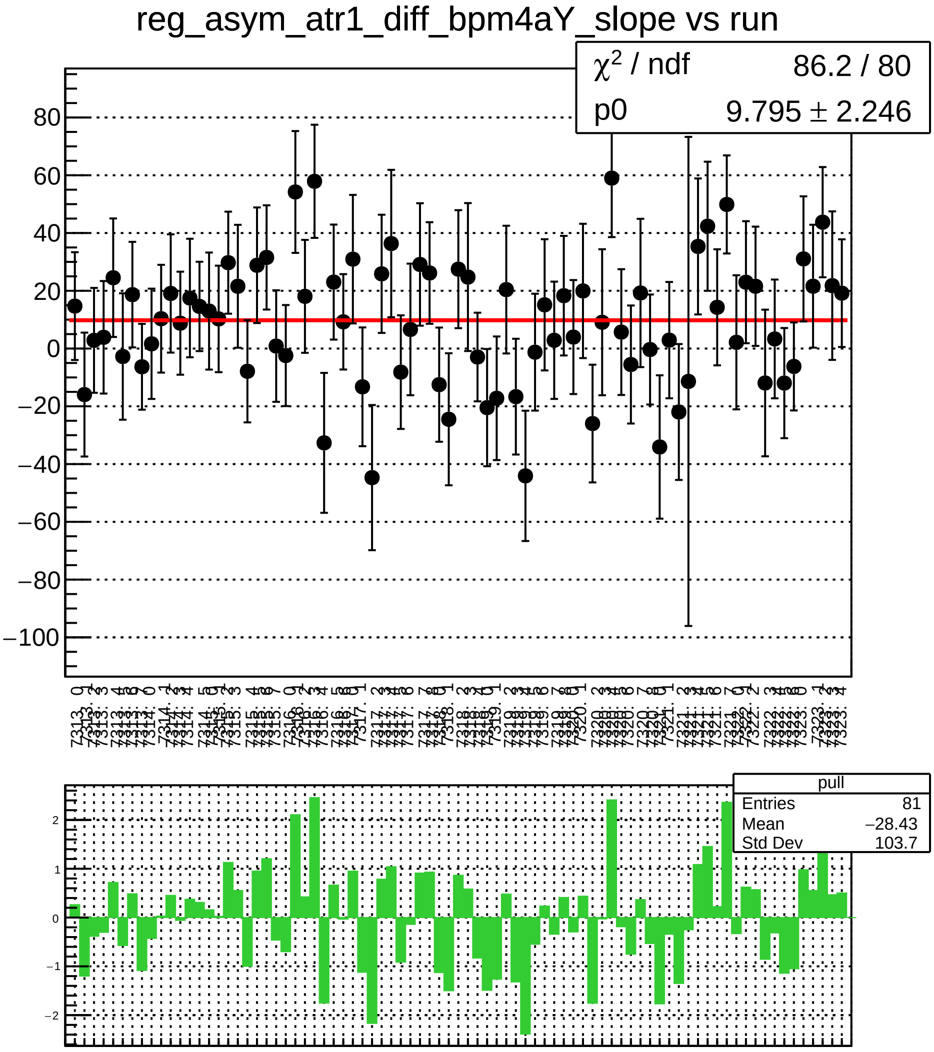

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 13.5 / 80
p0 118 ± 9.776
pull
Entries 81
Mean 250.6
Std Dev 213.2
pull1D
Entries 81
Mean −0.02961
Std Dev 0.4072



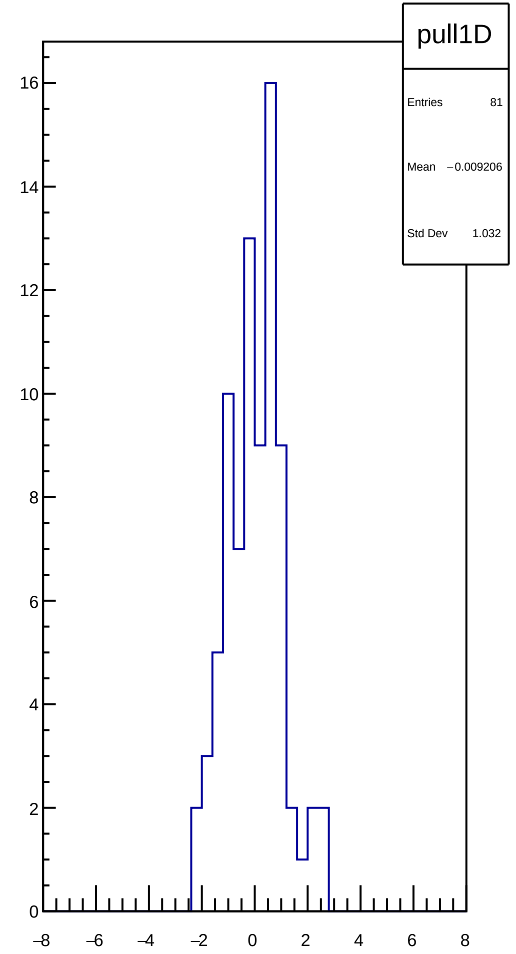
reg_asym_atl2_diff_bpm12X_slope vs run
χ2 / ndf 67.21 / 80
p0 −210.7 ± 0.418
−200
−205
−210
−215
−220
pull
Entries 81
Mean 847.3
Std Dev 807.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.02196
Std Dev 0.9106
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



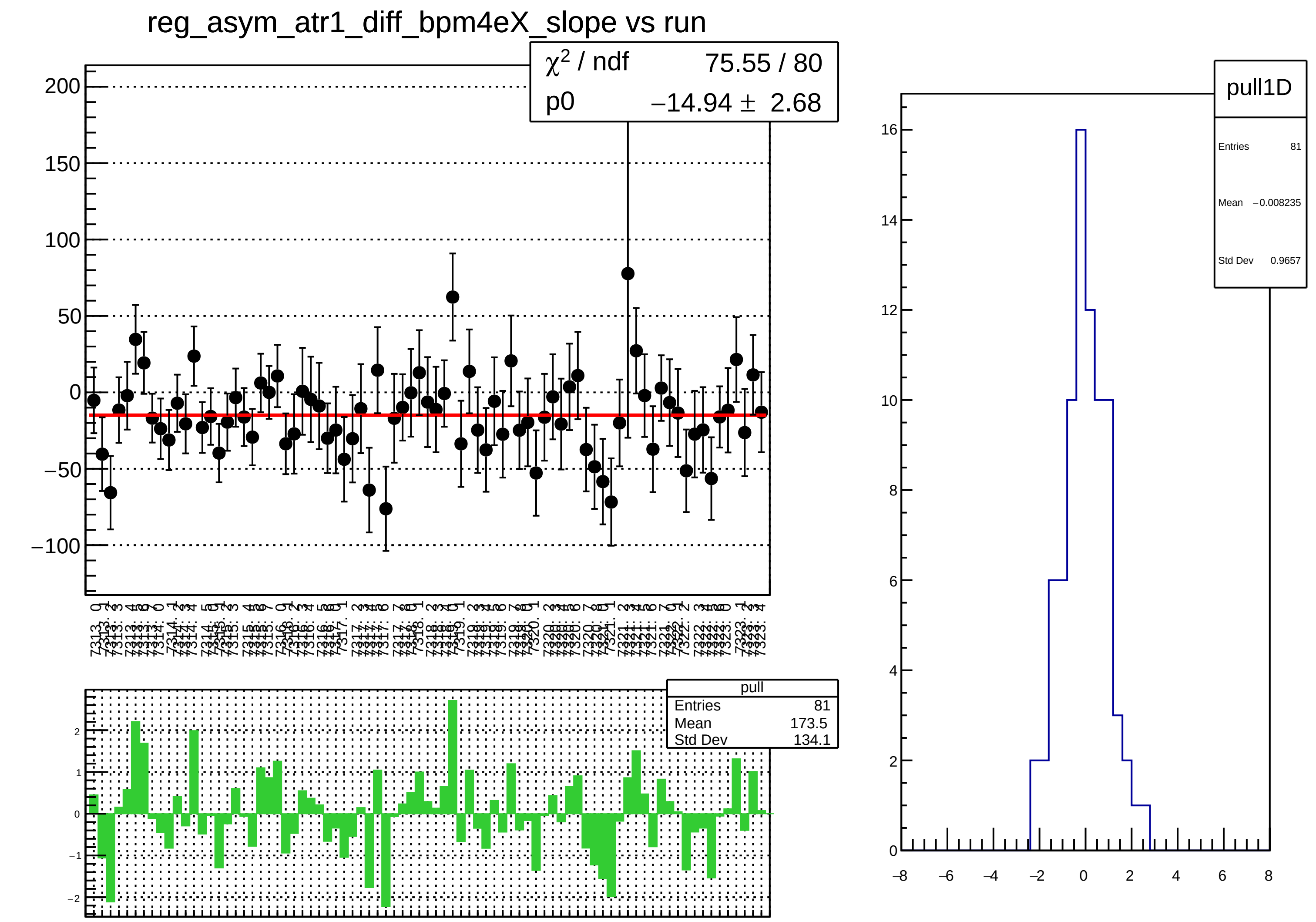
reg_asym_atr1_diff_bpm1X_slope vs run
χ2 / ndf 68.59 / 80
p0 −42.21 ± 2.693
pull
Entries 81
Mean 188.5
Std Dev 154.3
pull1D
Entries 81
Mean 0.006028
Std Dev 0.9202



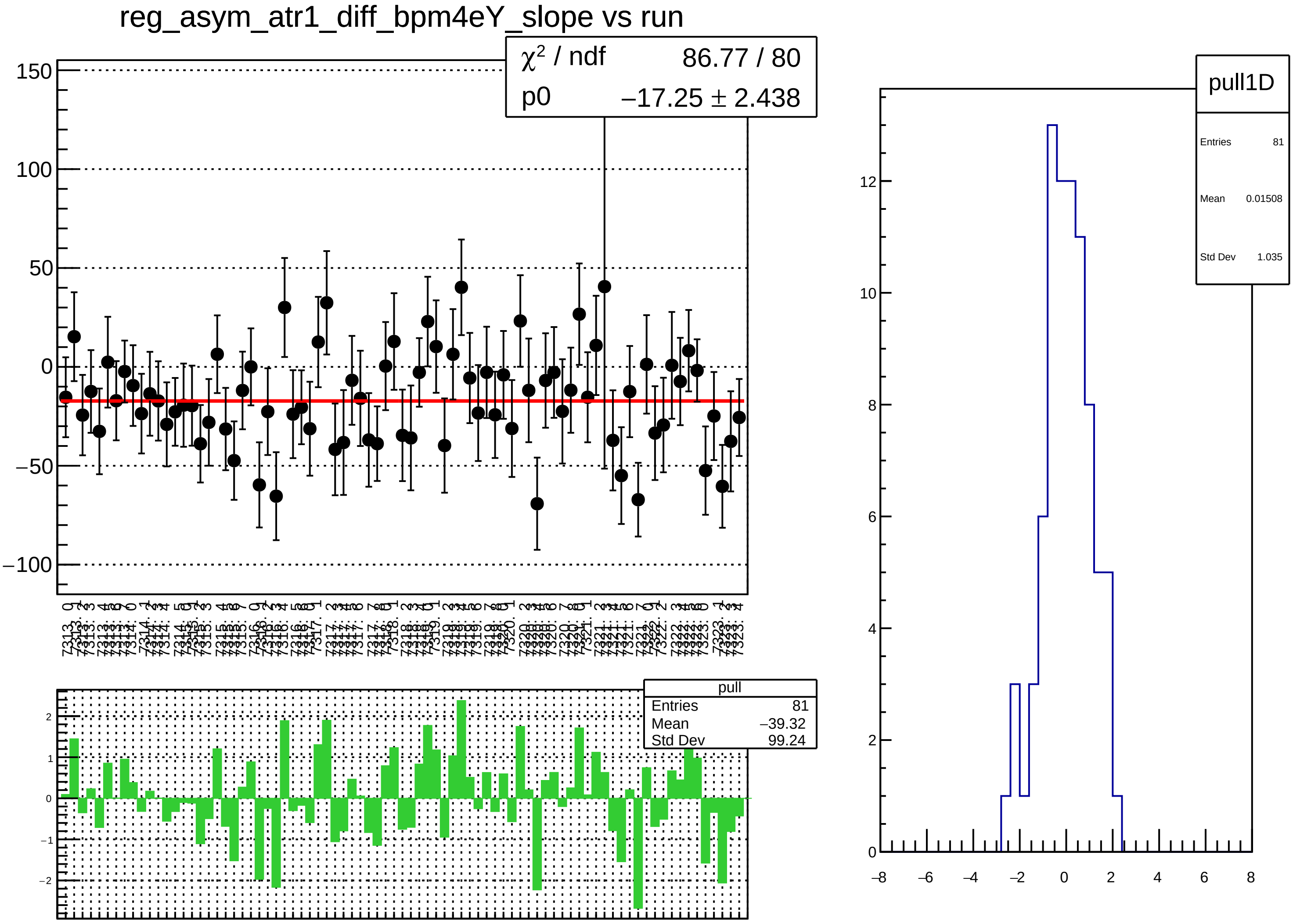
reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 86.2 / 80
p0 9.795 ± 2.246
pull
Entries 81
Mean −28.43
Std Dev 103.7



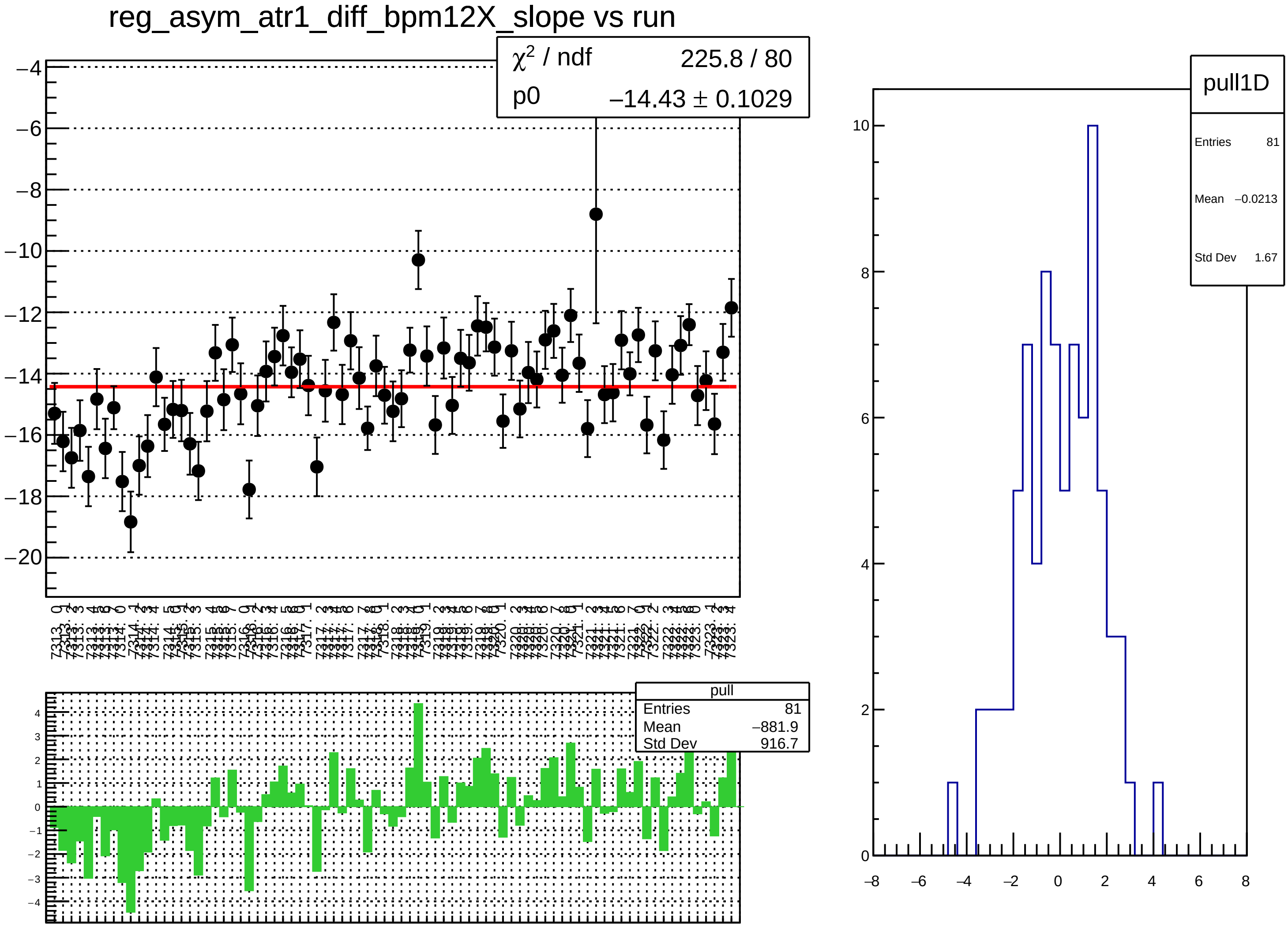
pull1D
Entries 81
Mean −0.009206
Std Dev 1.032



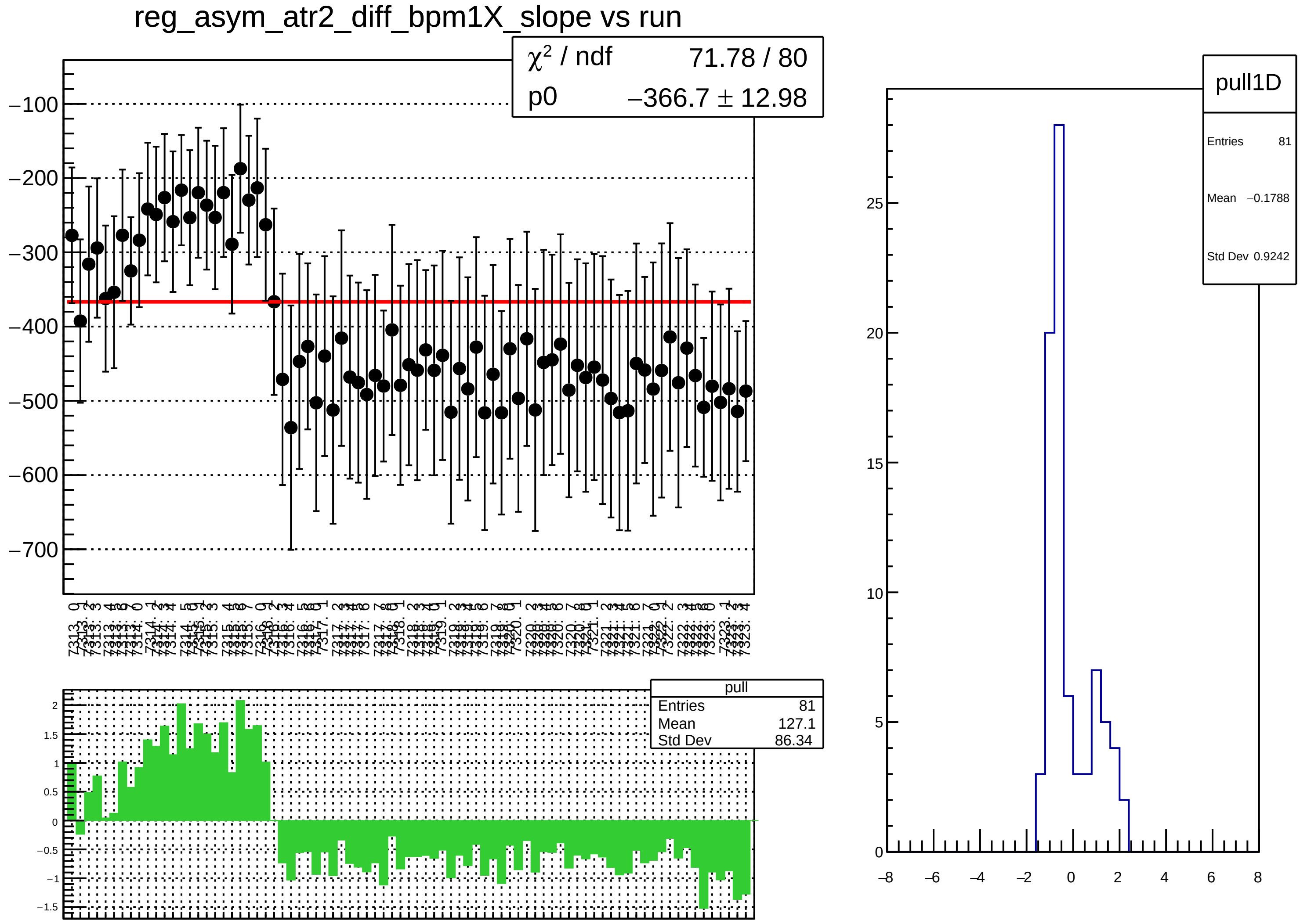
reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 75.55 / 80
p0 −14.94 ± 2.68
pull
Entries 81
Mean 173.5
Std Dev 134.1
pull1D
Entries 81
Mean −0.008235
Std Dev 0.9657



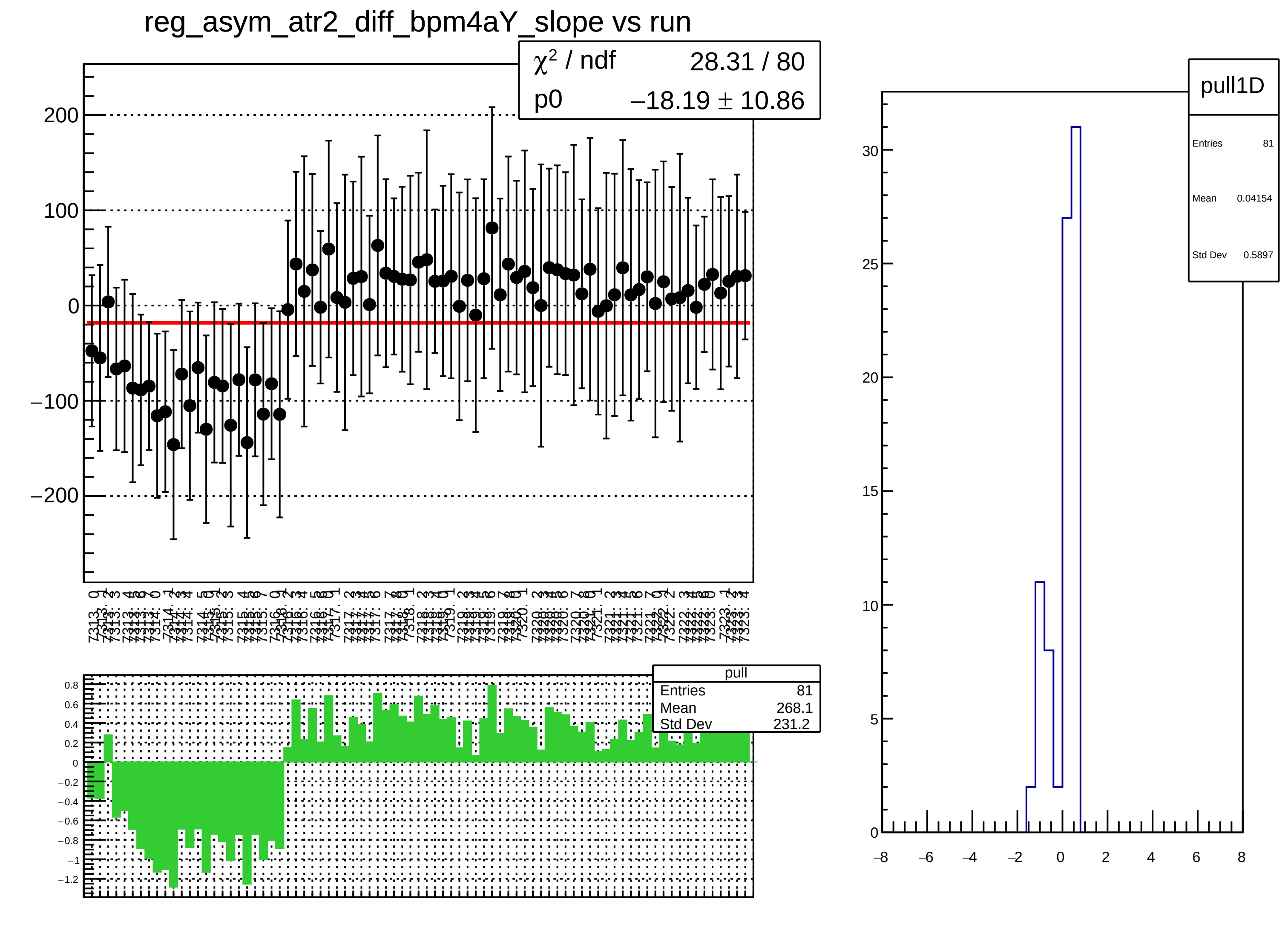
reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 86.77 / 80
p0 −17.25 ± 2.438
pull
Entries 81
Mean −39.32
Std Dev 99.24
pull1D
Entries 81
Mean 0.01508
Std Dev 1.035



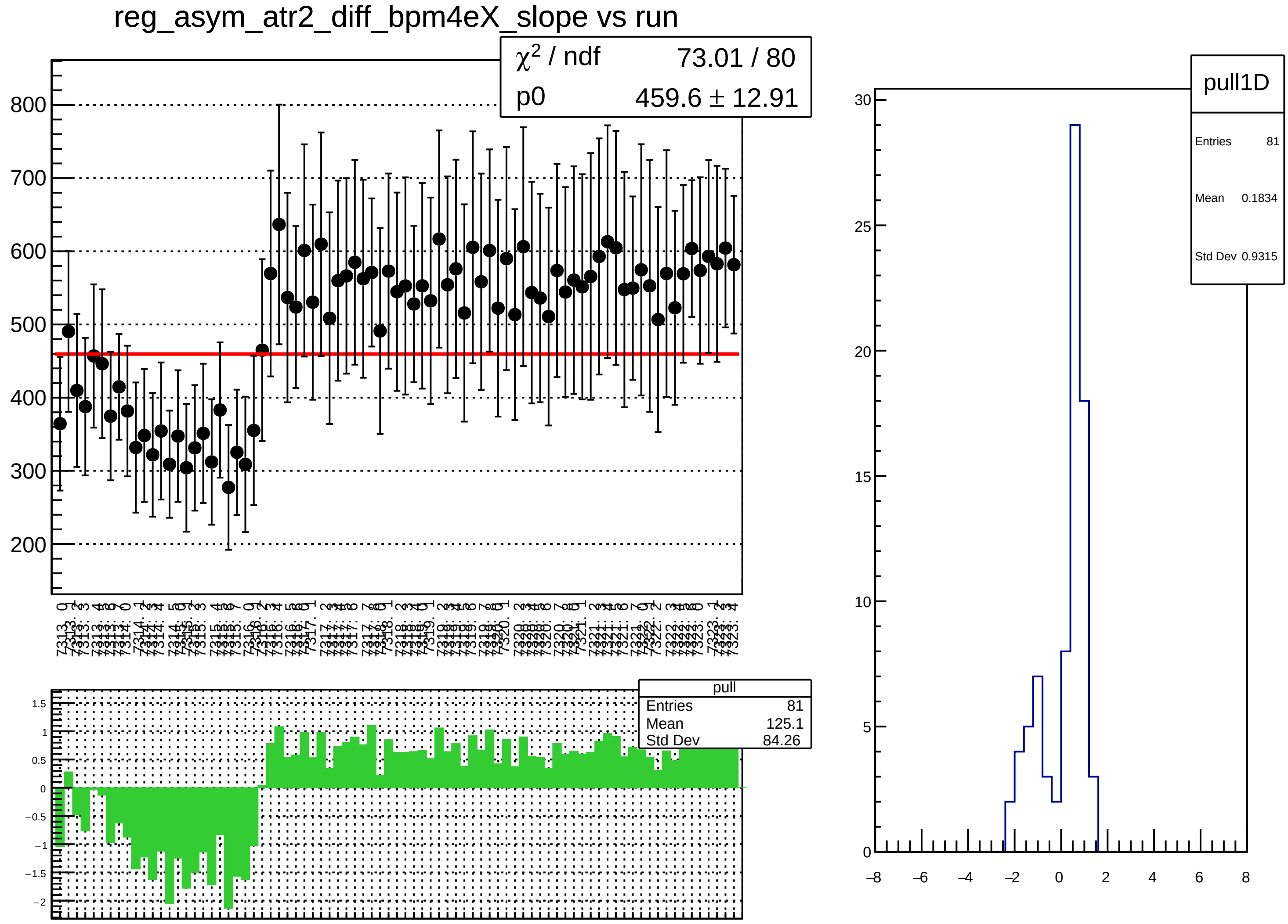
reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 225.8 / 80
p0 −14.43 ± 0.1029
pull
Entries 81
Mean −881.9
Std Dev 916.7
pull1D
Entries 81
Mean −0.0213
Std Dev 1.67



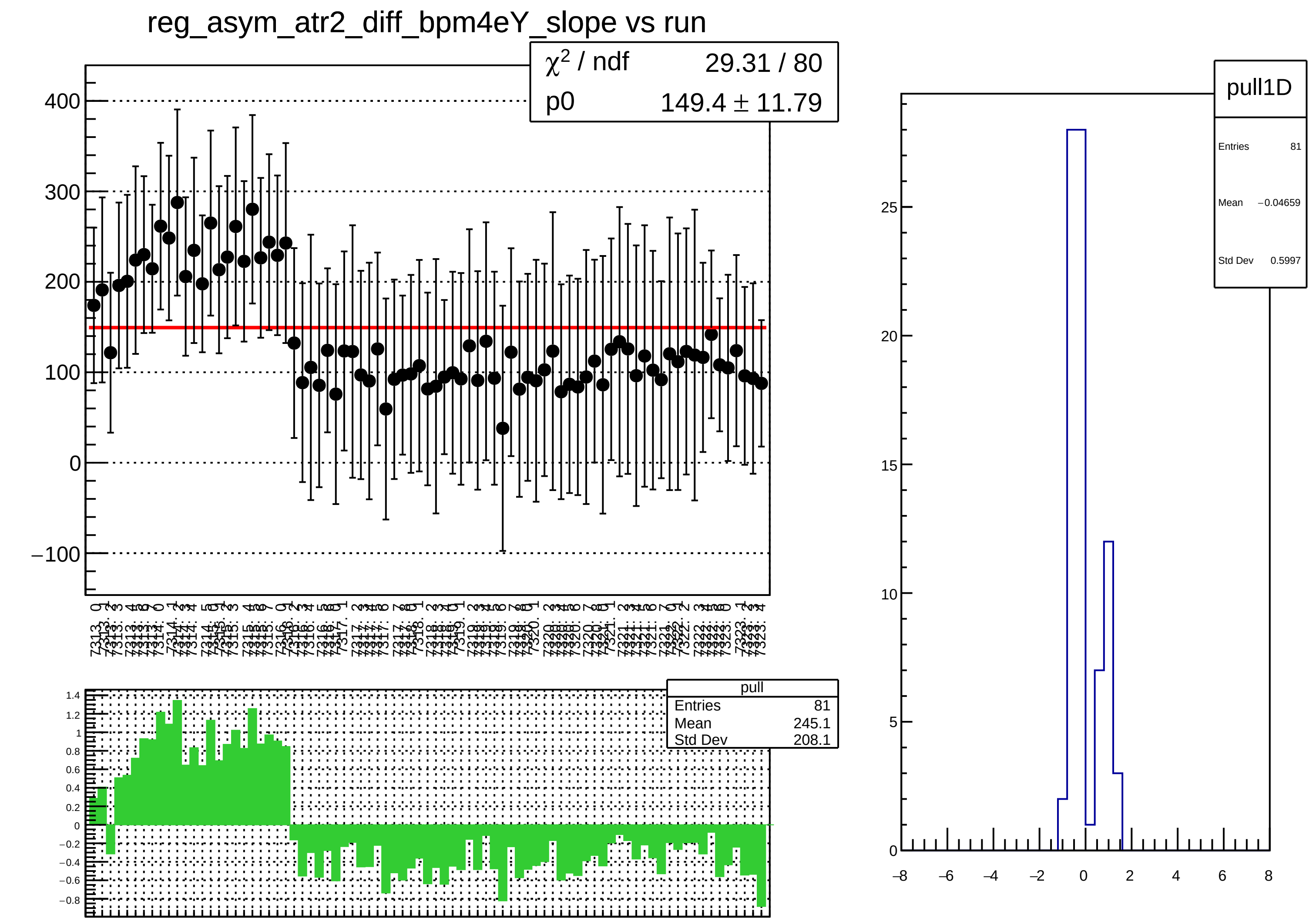
reg_asym_atr2_diff_bpm1X_slope vs run
χ2 / ndf 71.78 / 80
p0 −366.7 ± 12.98
pull
Entries 81
Mean 127.1
Std Dev 86.34
pull1D
Entries 81
Mean −0.1788
Std Dev 0.9242



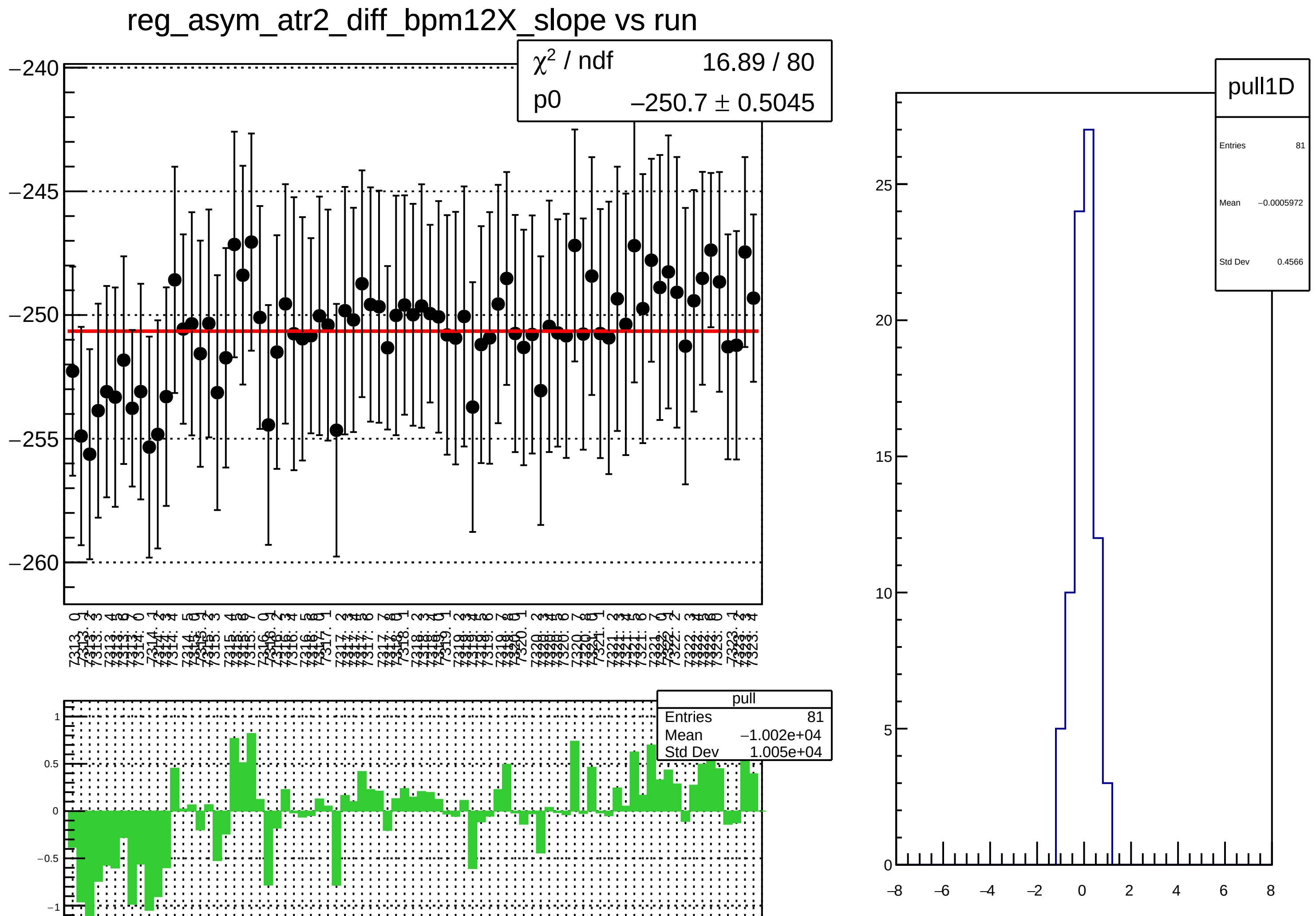
reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 28.31 / 80
p0 −18.19 ± 10.86
pull
Entries 81
Mean 268.1
Std Dev 231.2
pull1D
Entries 81
Mean 0.04154
Std Dev 0.5897



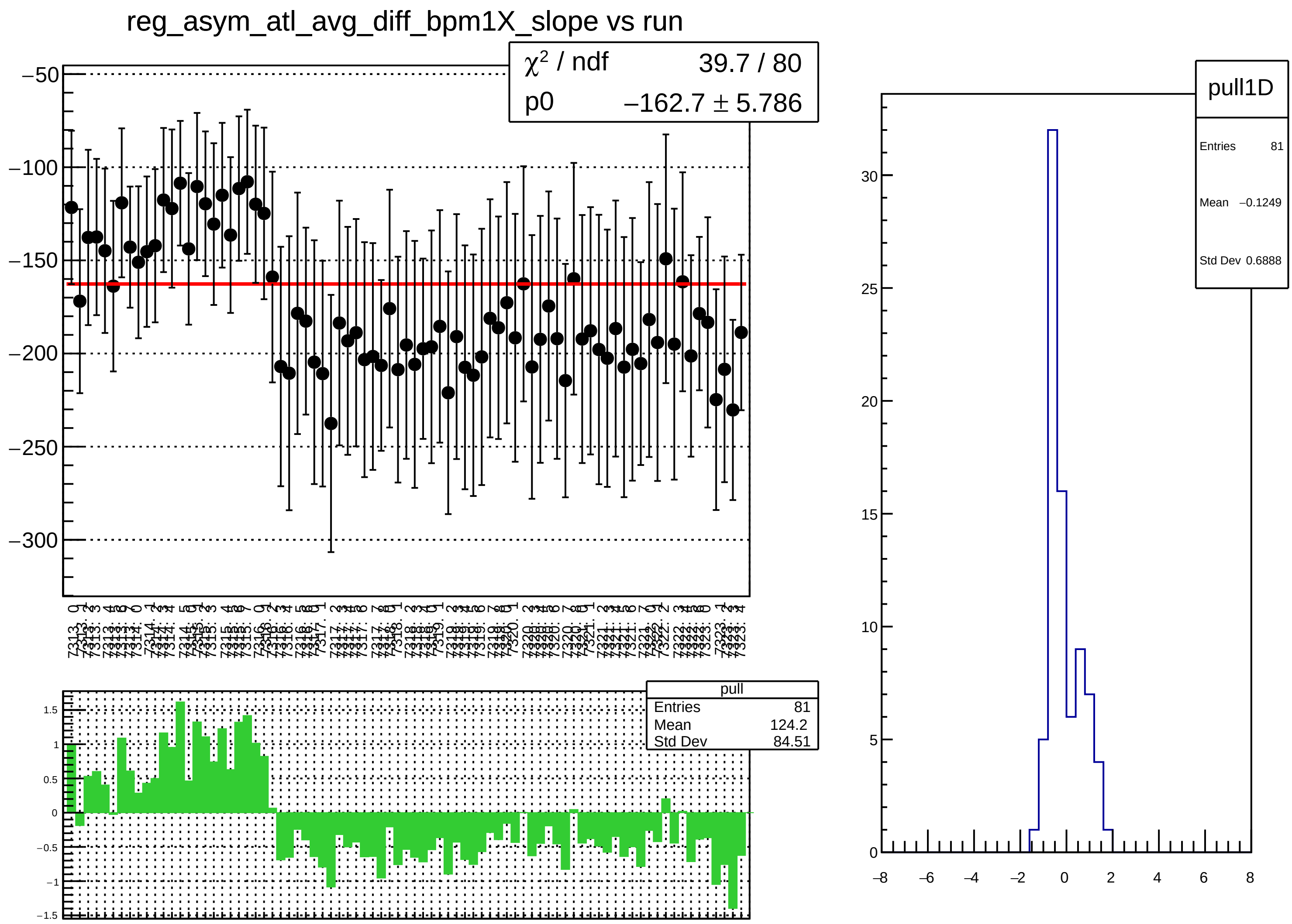
reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 73.01 / 80
p0 459.6 ± 12.91
pull
Entries 81
Mean 125.1
Std Dev 84.26
pull1D
Entries 81
Mean 0.1834
Std Dev 0.9315



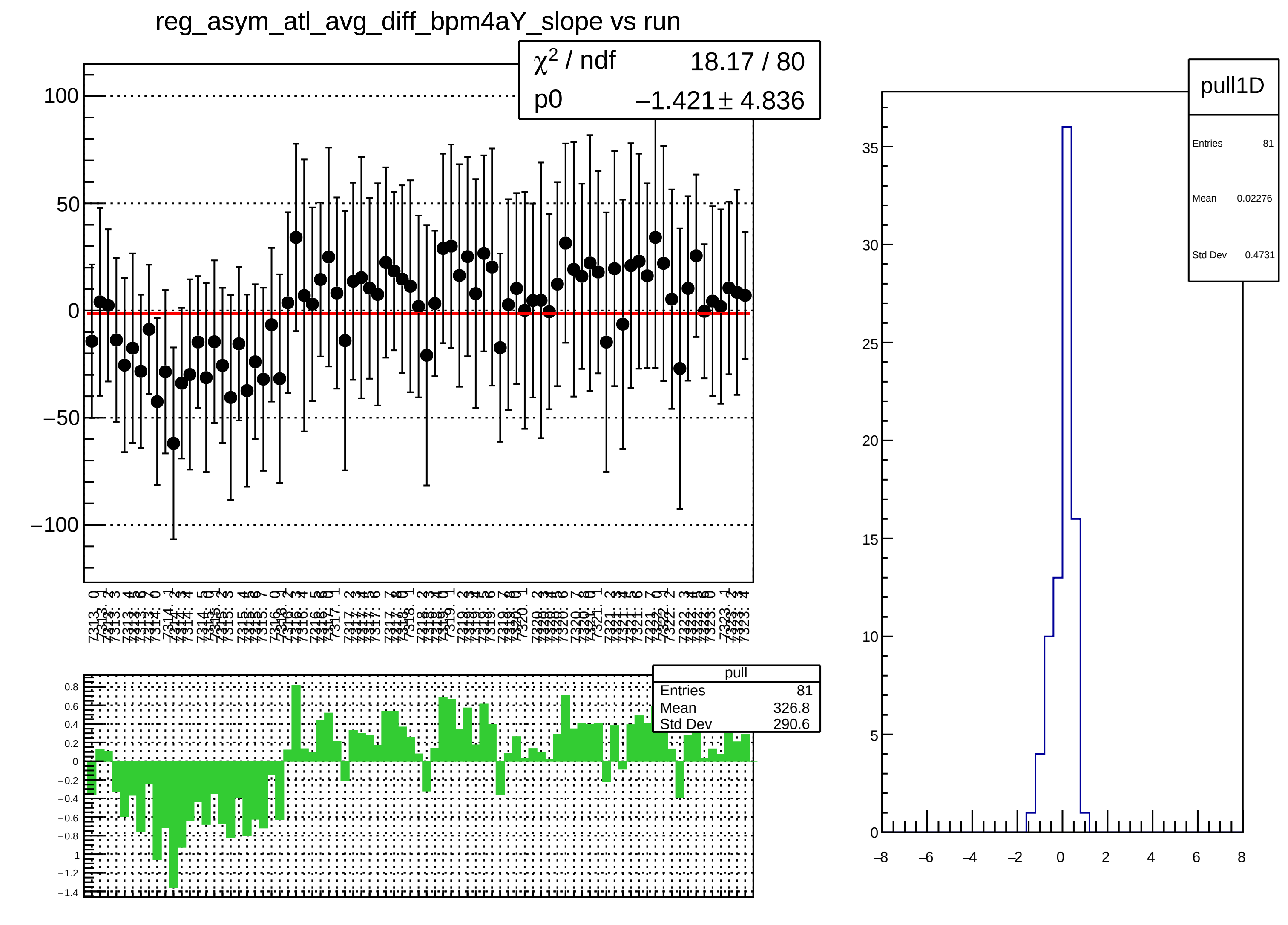
reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 29.31 / 80
p0 149.4 ± 11.79
pull
Entries 81
Mean 245.1
Std Dev 208.1
pull1D
Entries 81
Mean −0.04659
Std Dev 0.5997



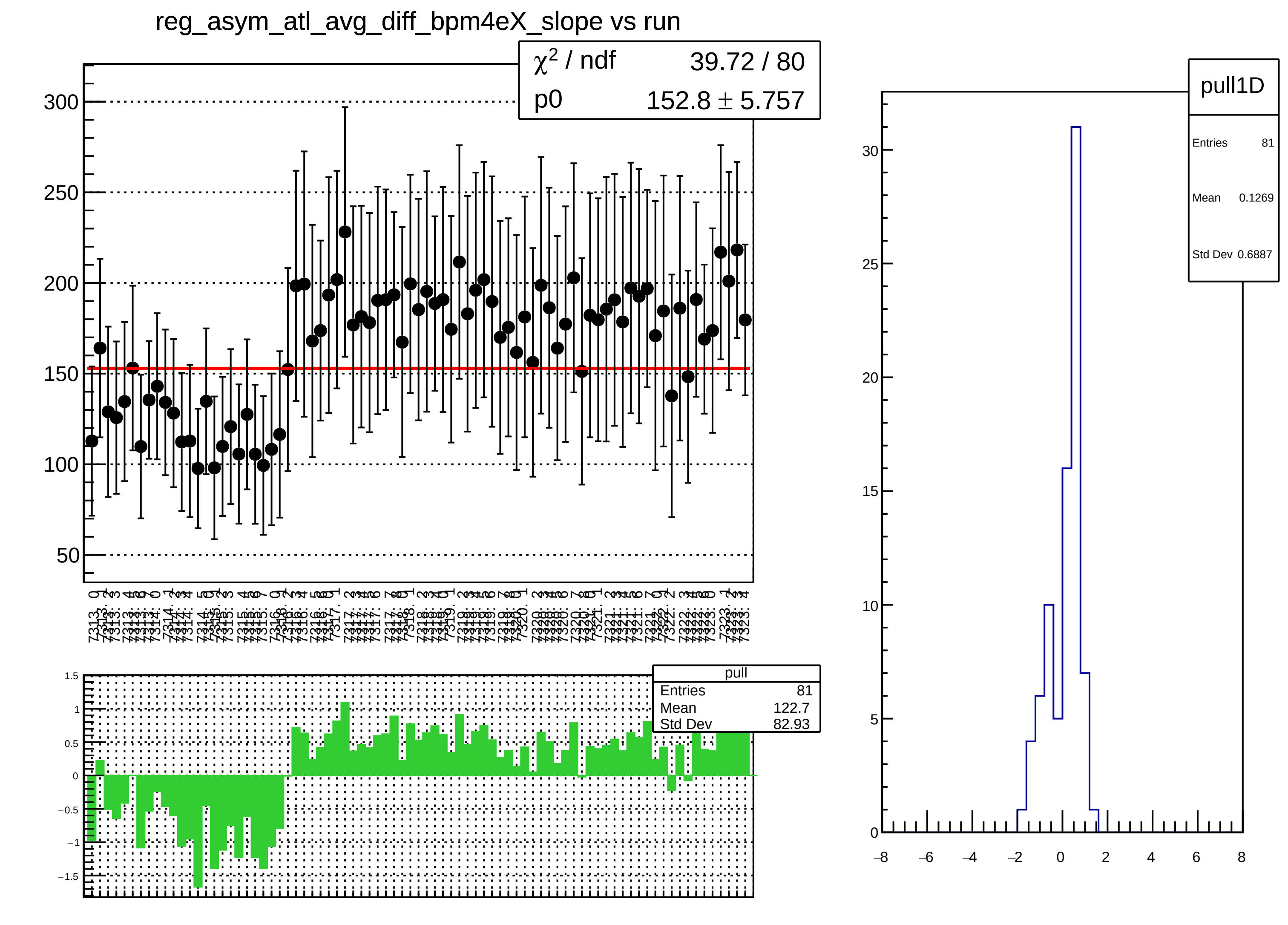
reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 16.89 / 80
p0 −250.7 ± 0.5045
pull
Entries 81
Mean −1.002e+04
Std Dev 1.005e+04
pull1D
Entries 81
Mean −0.0005972
Std Dev 0.4566



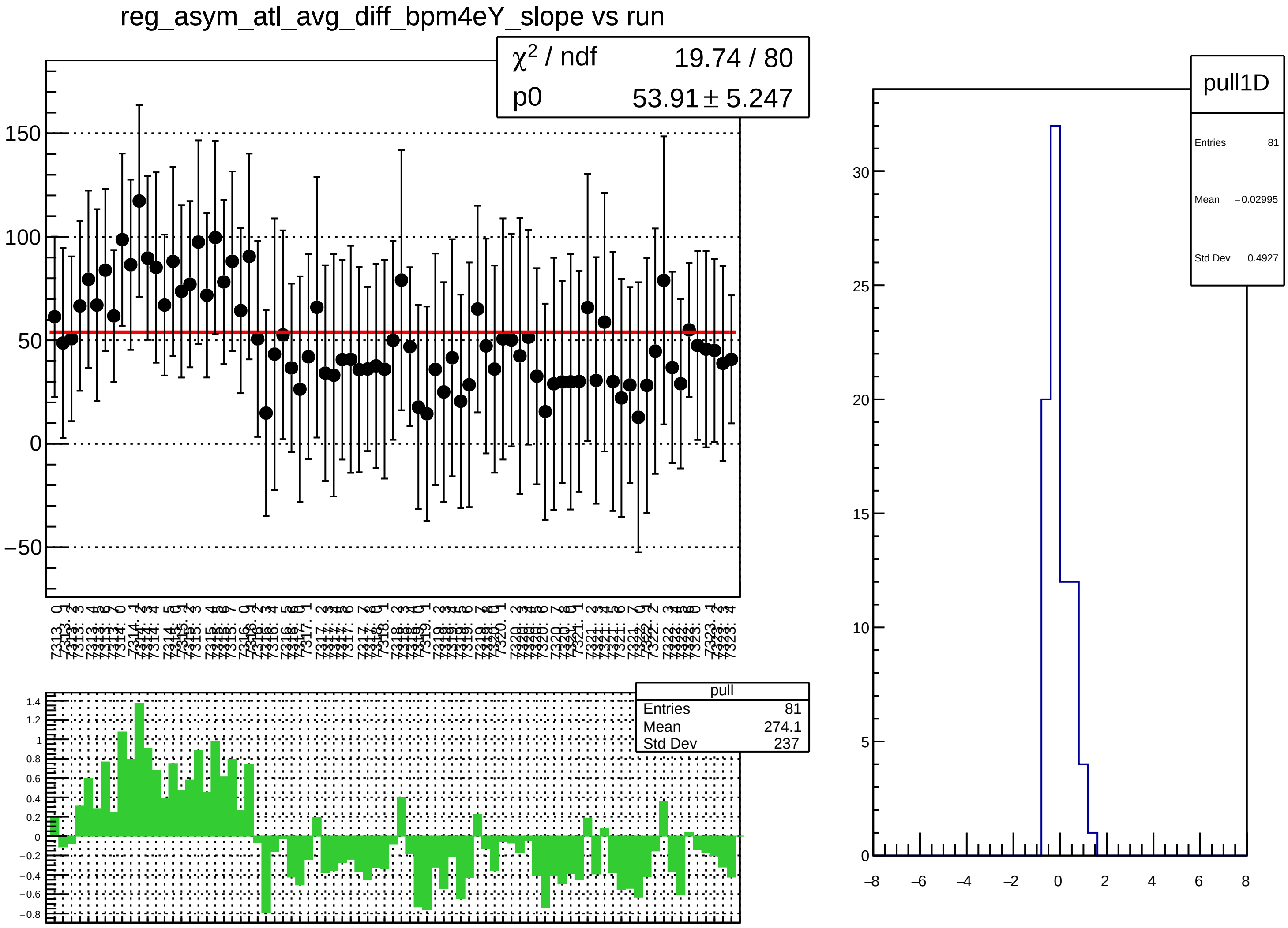
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 39.7 / 80
p0 −162.7 ± 5.786
pull
Entries 81
Mean 124.2
Std Dev 84.51
pull1D
Entries 81
Mean −0.1249
Std Dev 0.6888



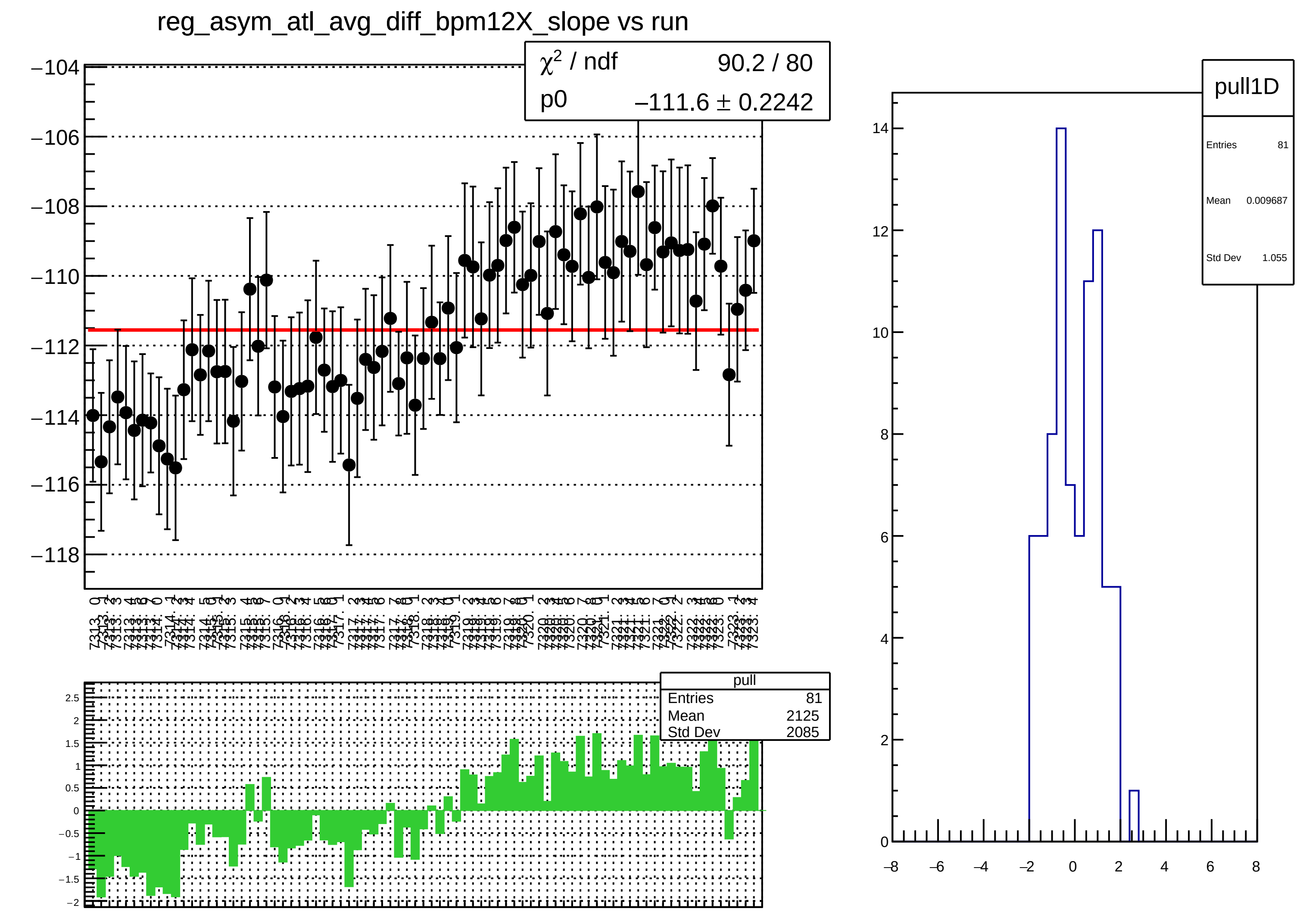
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 18.17 / 80
p0 −1.421 ± 4.836
pull
Entries 81
Mean 326.8
Std Dev 290.6
pull1D
Entries 81
Mean 0.02276
Std Dev 0.4731

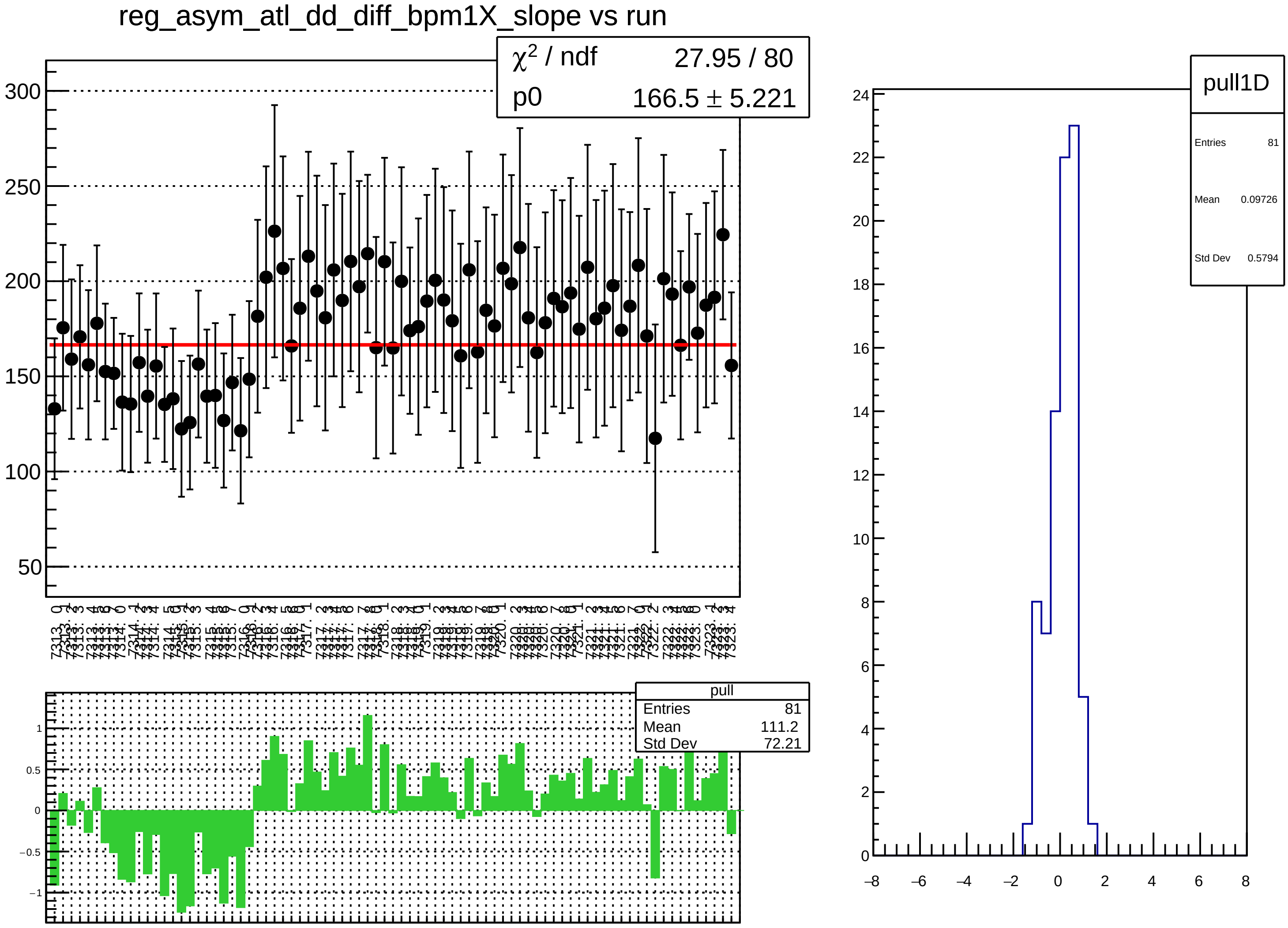


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 39.72 / 80
p0 152.8 ± 5.757
pull
Entries 81
Mean 122.7
Std Dev 82.93
pull1D
Entries 81
Mean 0.1269
Std Dev 0.6887

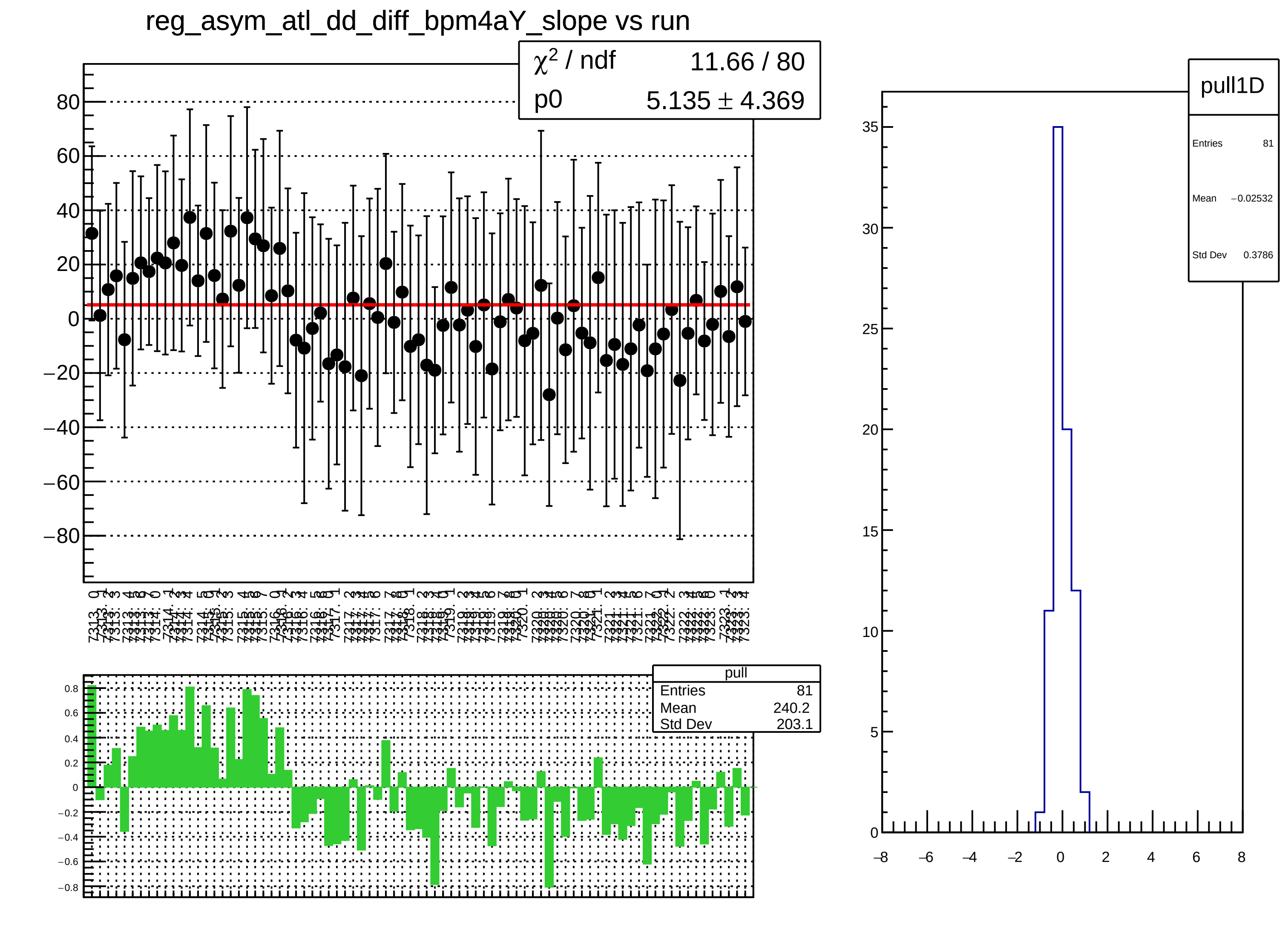


reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ2 / ndf 19.74 / 80
p0 53.91 ± 5.247
pull
Entries 81
Mean 274.1
Std Dev 237
pull1D
Entries 81
Mean −0.02995
Std Dev 0.4927

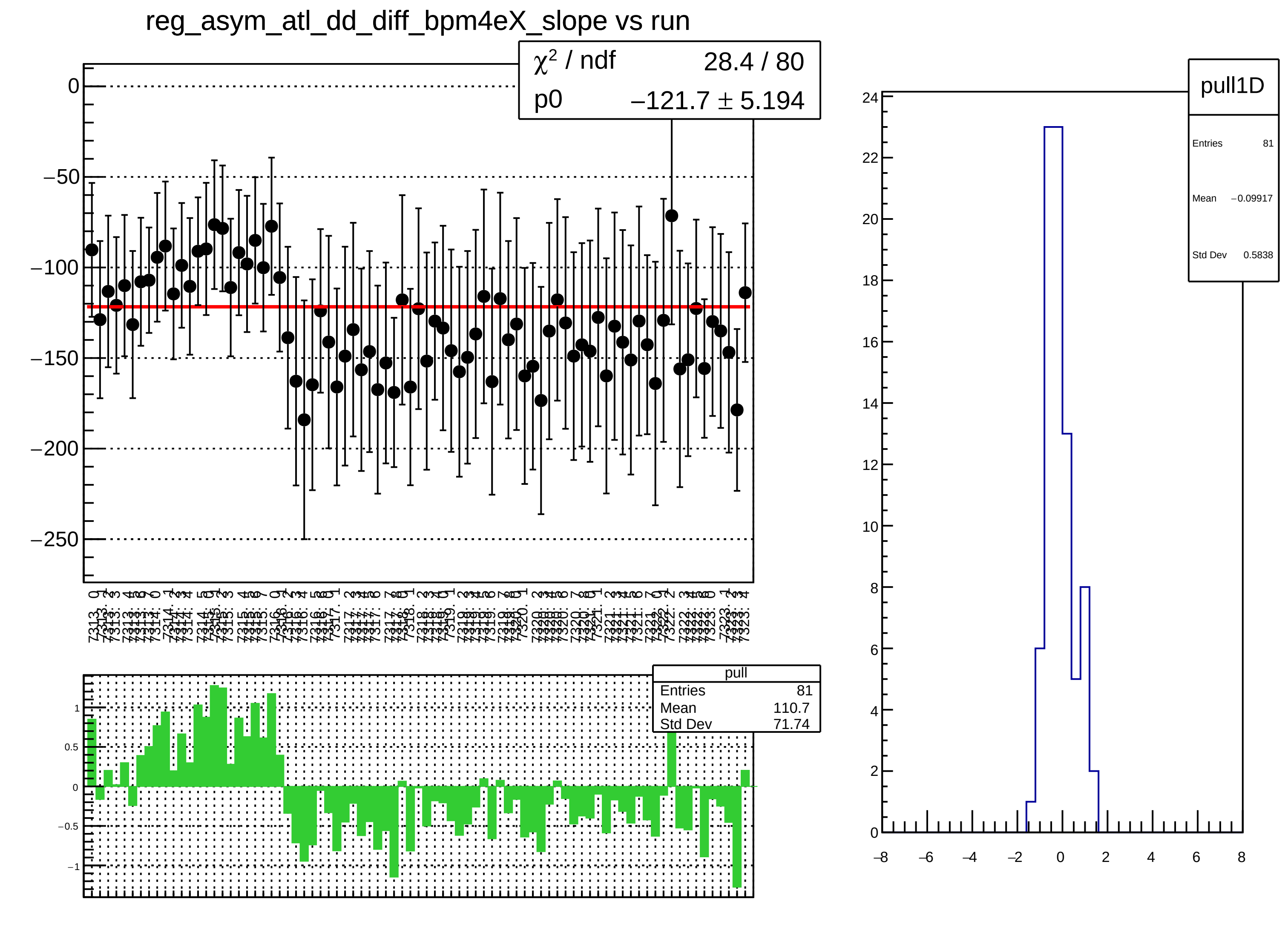

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ2 / ndf 90.2 / 80
p0 −111.6 ± 0.2242
−104
−106
−108
−110
−112
−114
−116
−118
pull
Entries 81
Mean 2125
Std Dev 2085
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.009687
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



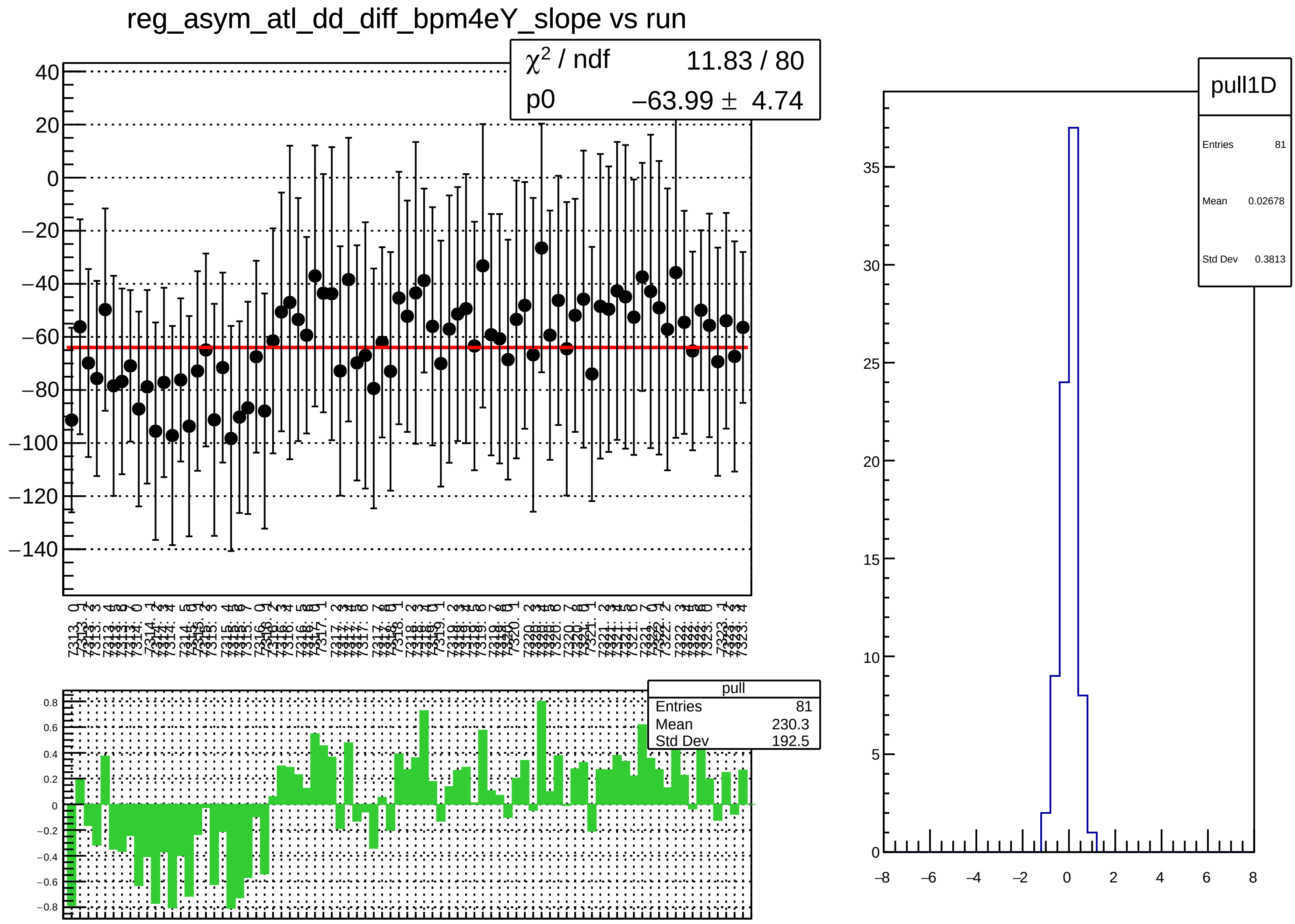
reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 27.95 / 80
p0 166.5 ± 5.221
pull
Entries 81
Mean 111.2
Std Dev 72.21
pull1D
Entries 81
Mean 0.09726
Std Dev 0.5794



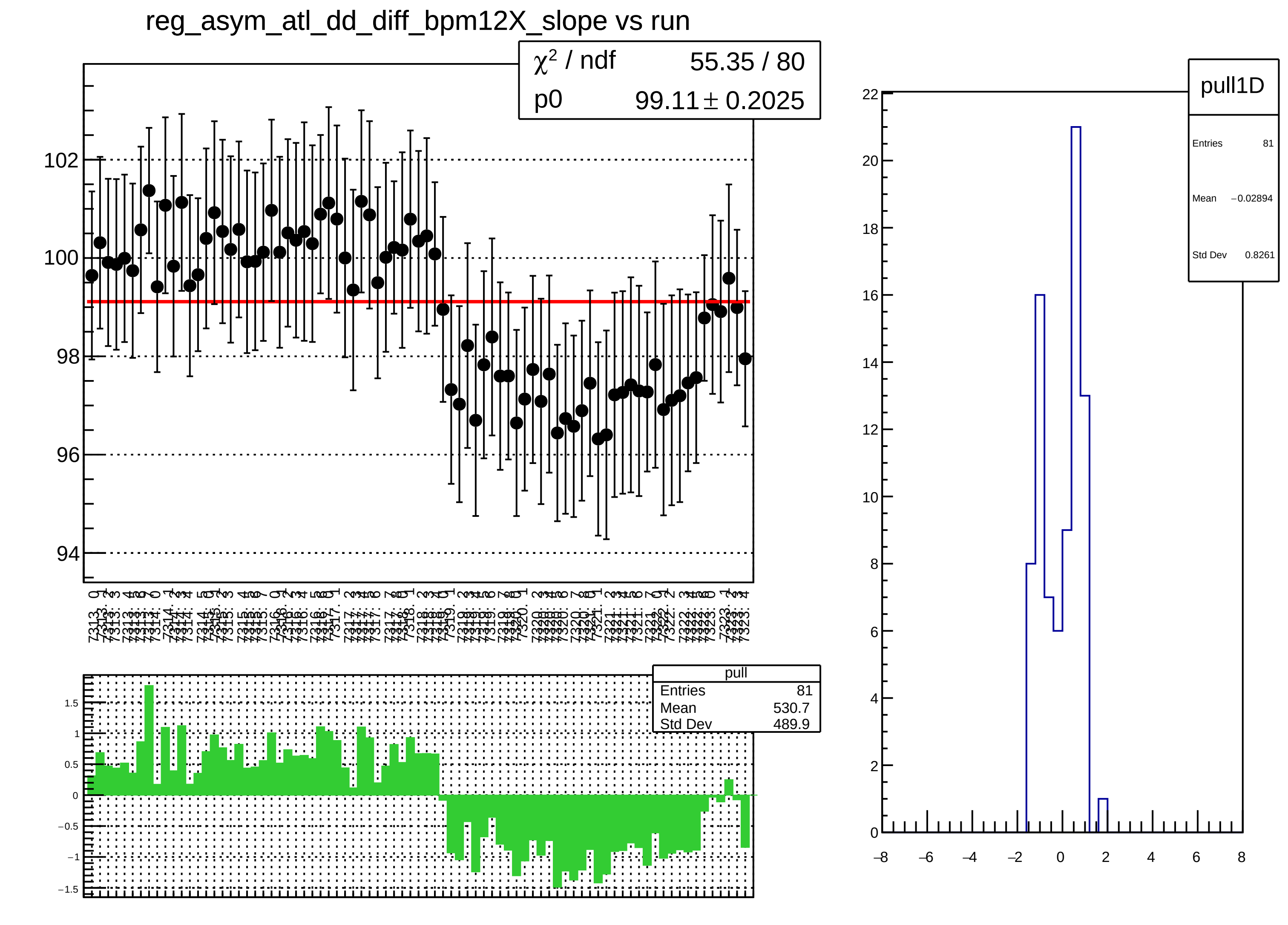
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 11.66 / 80
p0 5.135 ± 4.369
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 81
Mean 240.2
Std Dev 203.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 81
Mean −0.02532
Std Dev 0.3786
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

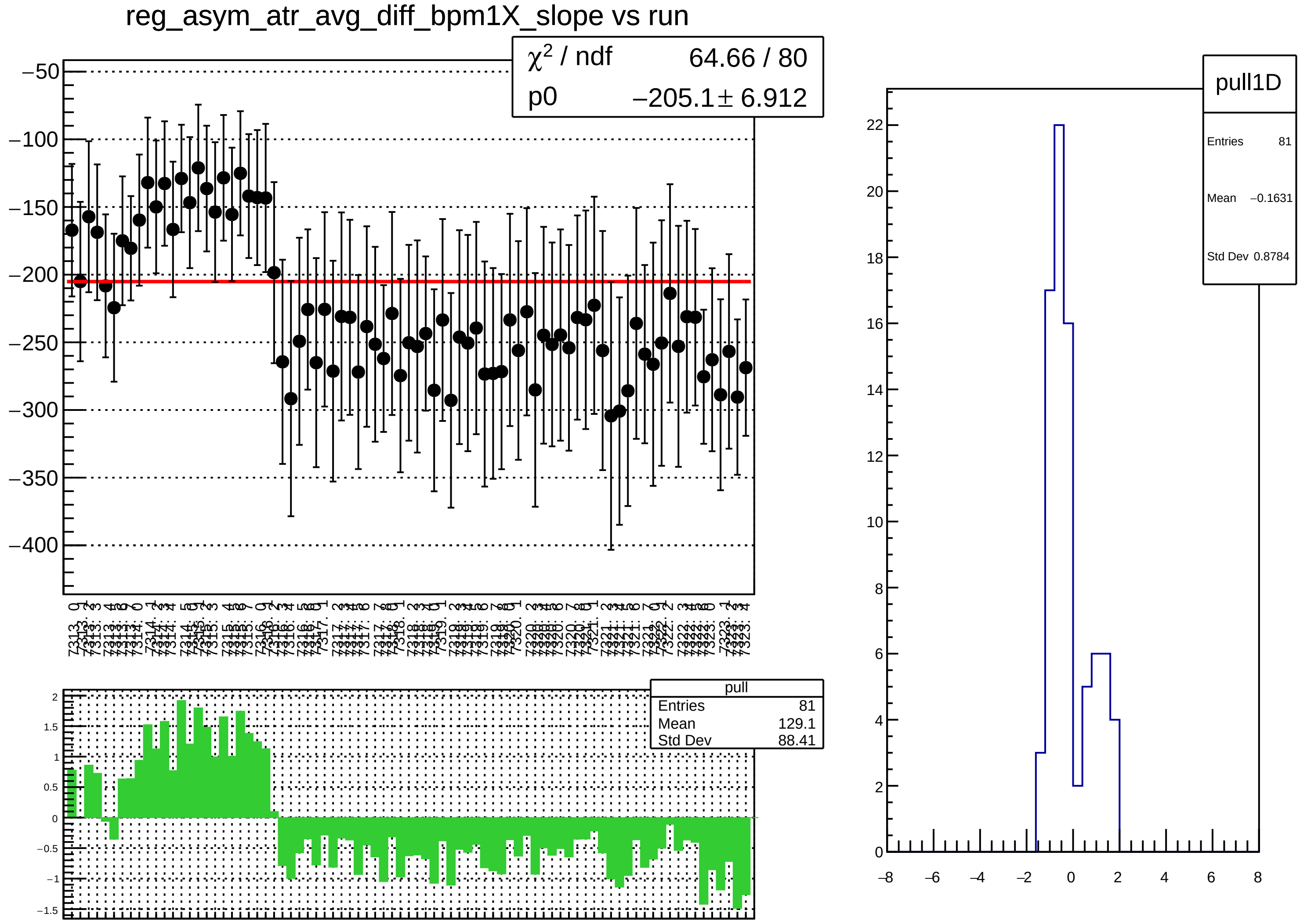


reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.4 / 80
p0 −121.7 ± 5.194
pull
Entries 81
Mean 110.7
Std Dev 71.74
pull1D
Entries 81
Mean −0.09917
Std Dev 0.5838

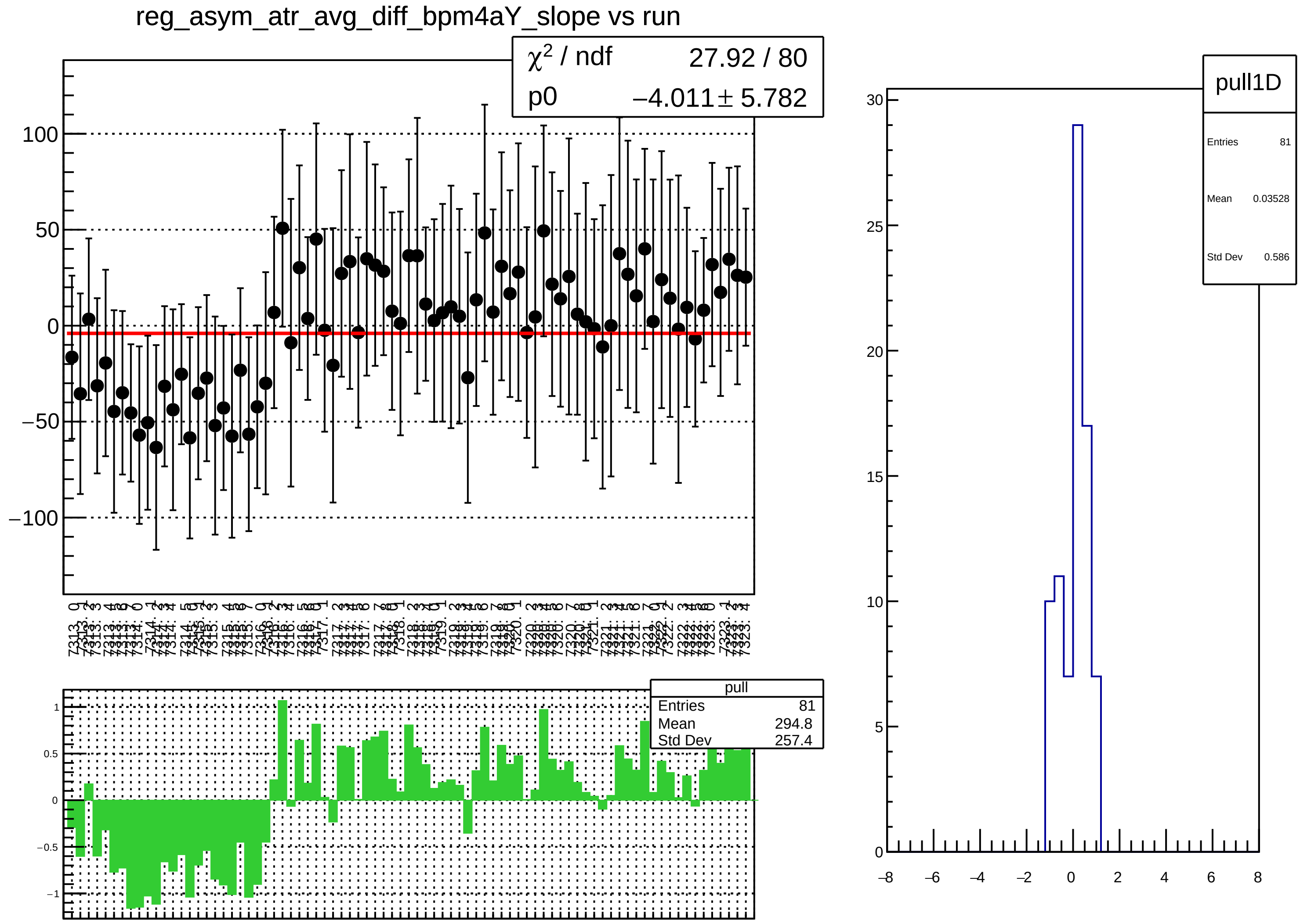


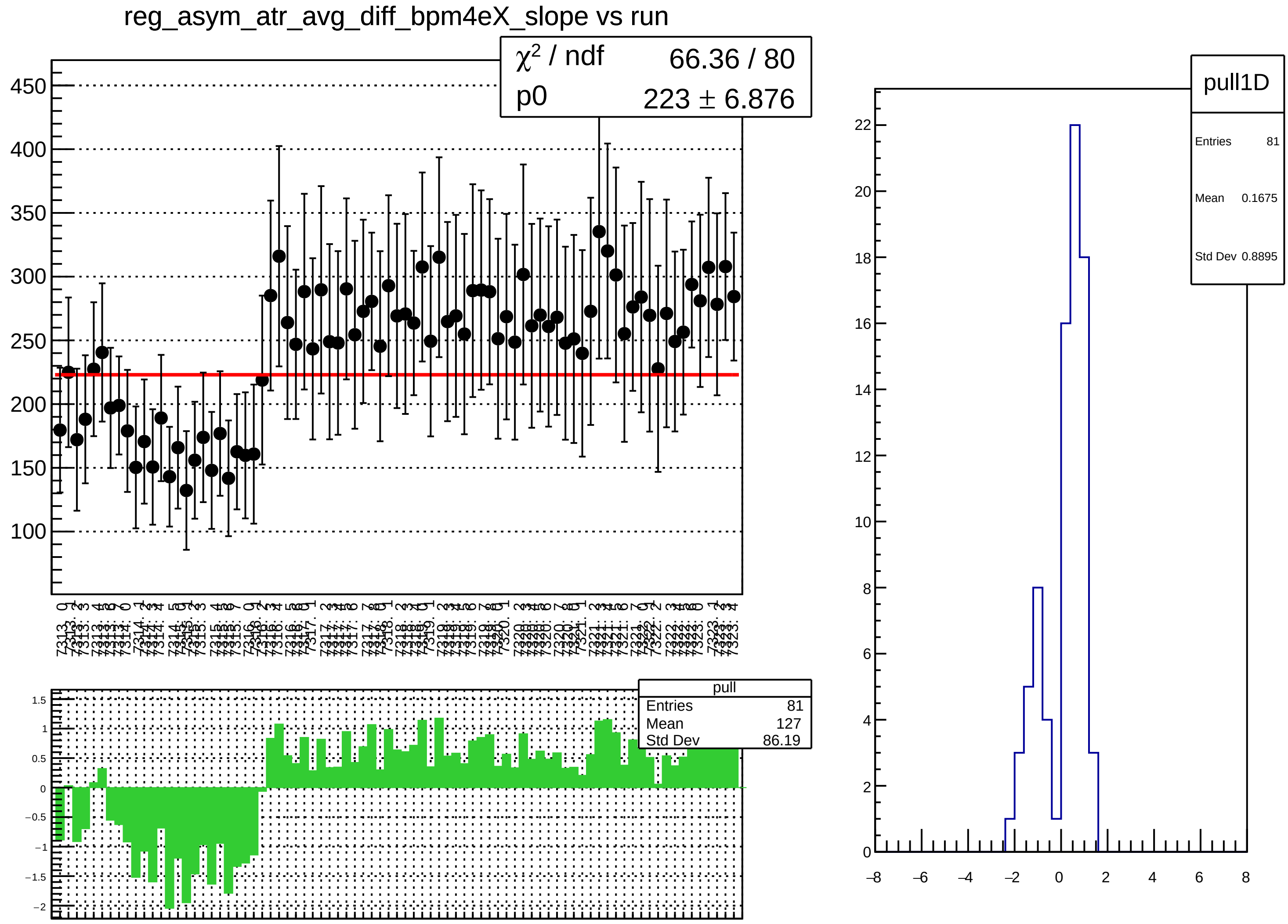
reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.83 / 80
p0 −63.99 ± 4.74
pull
Entries 81
Mean 230.3
Std Dev 192.5
pull1D
Entries 81
Mean 0.02678
Std Dev 0.3813


reg_asym_atl_dd_diff_bpm12X_slope vs run
χ2 / ndf 55.35 / 80
p0 99.11 ± 0.2025
102
100
98
96
94
pull
Entries 81
Mean 530.7
Std Dev 489.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.02894
Std Dev 0.8261
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

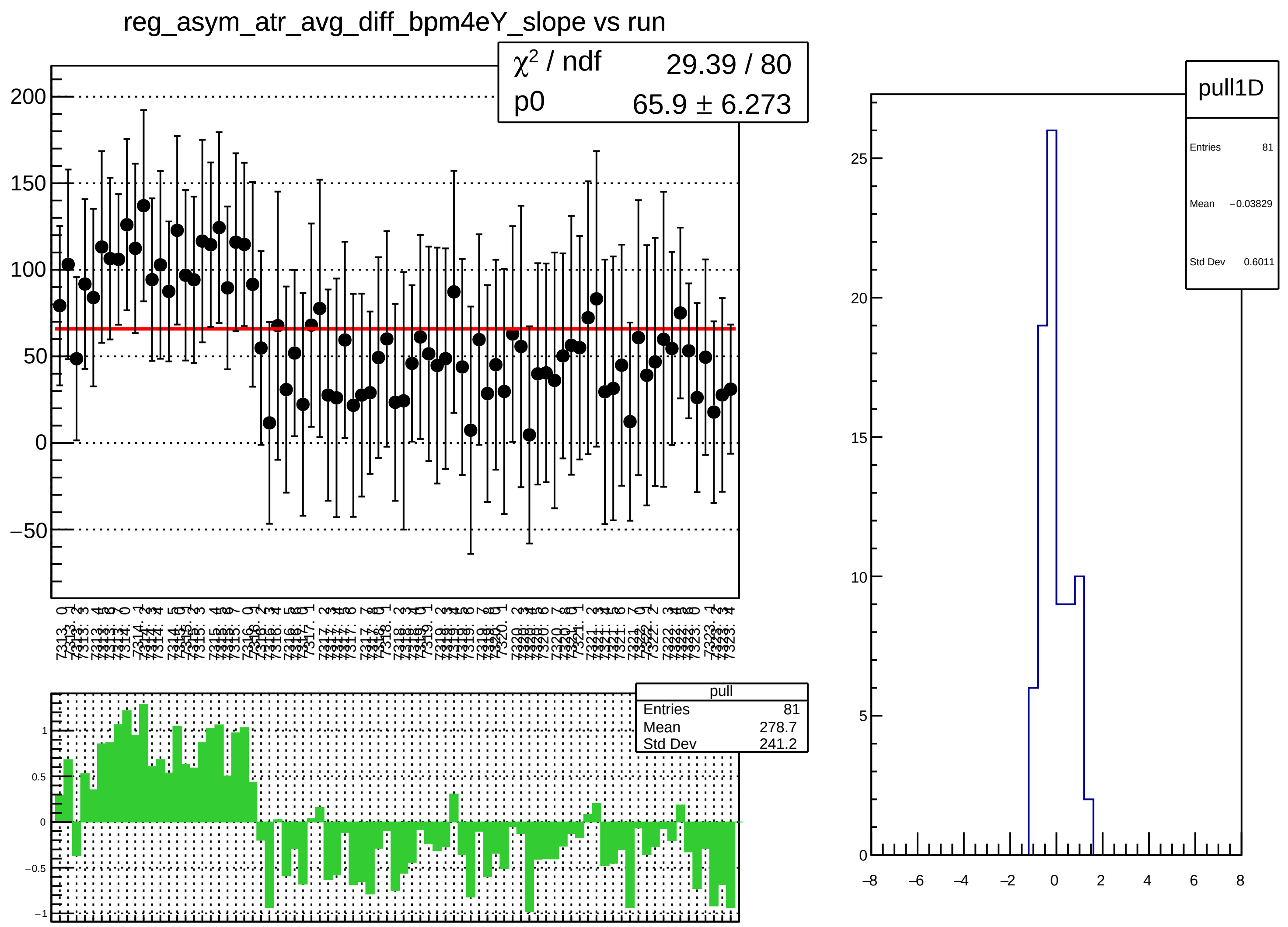


reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 64.66 / 80
p0 −205.1 ± 6.912
pull
Entries 81
Mean 129.1
Std Dev 88.41
pull1D
Entries 81
Mean −0.1631
Std Dev 0.8784

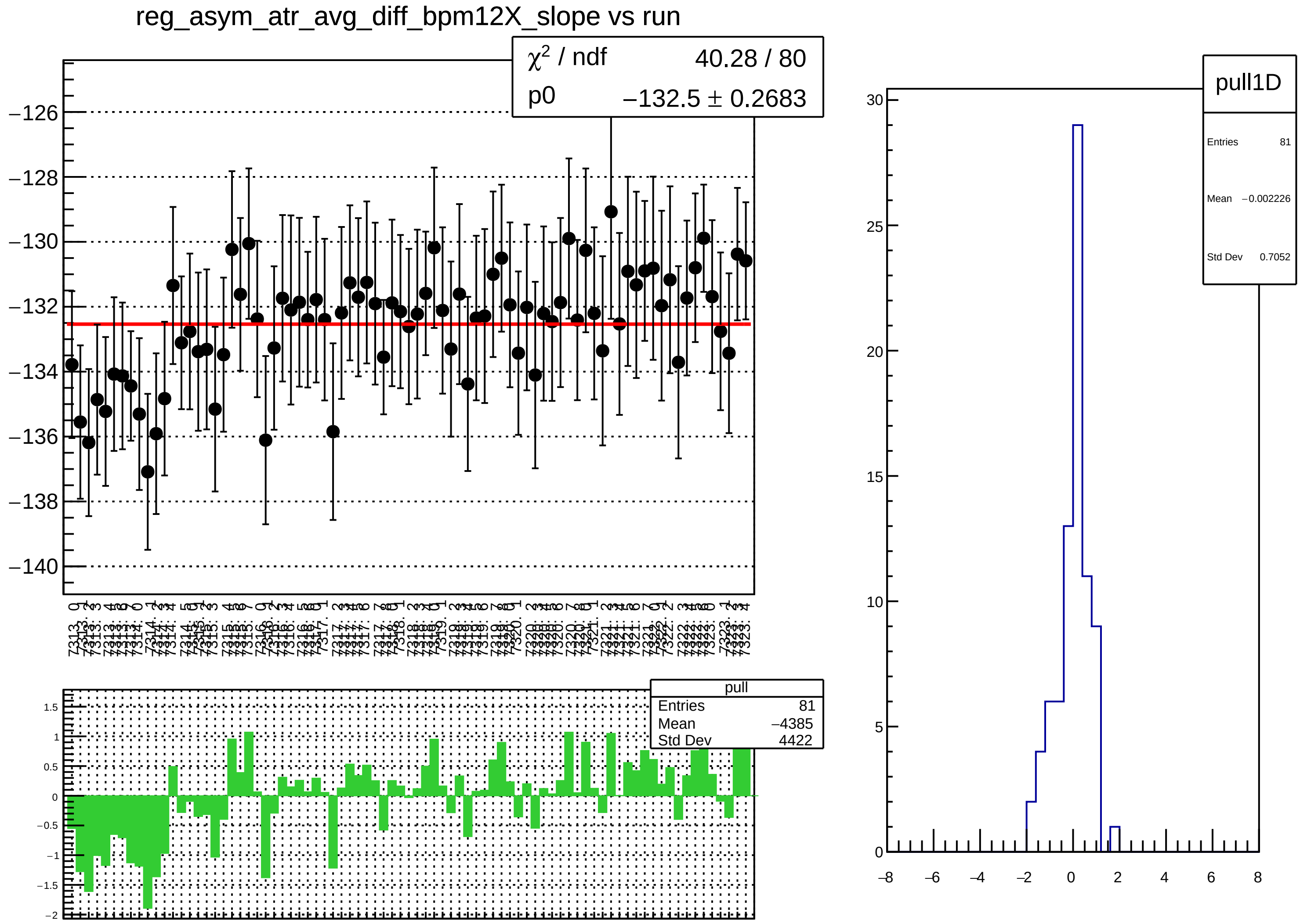

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 27.92 / 80
p0 −4.011 ± 5.782
100
50
0
−50
−100
pull
Entries 81
Mean 294.8
Std Dev 257.4
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.03528
Std Dev 0.586
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



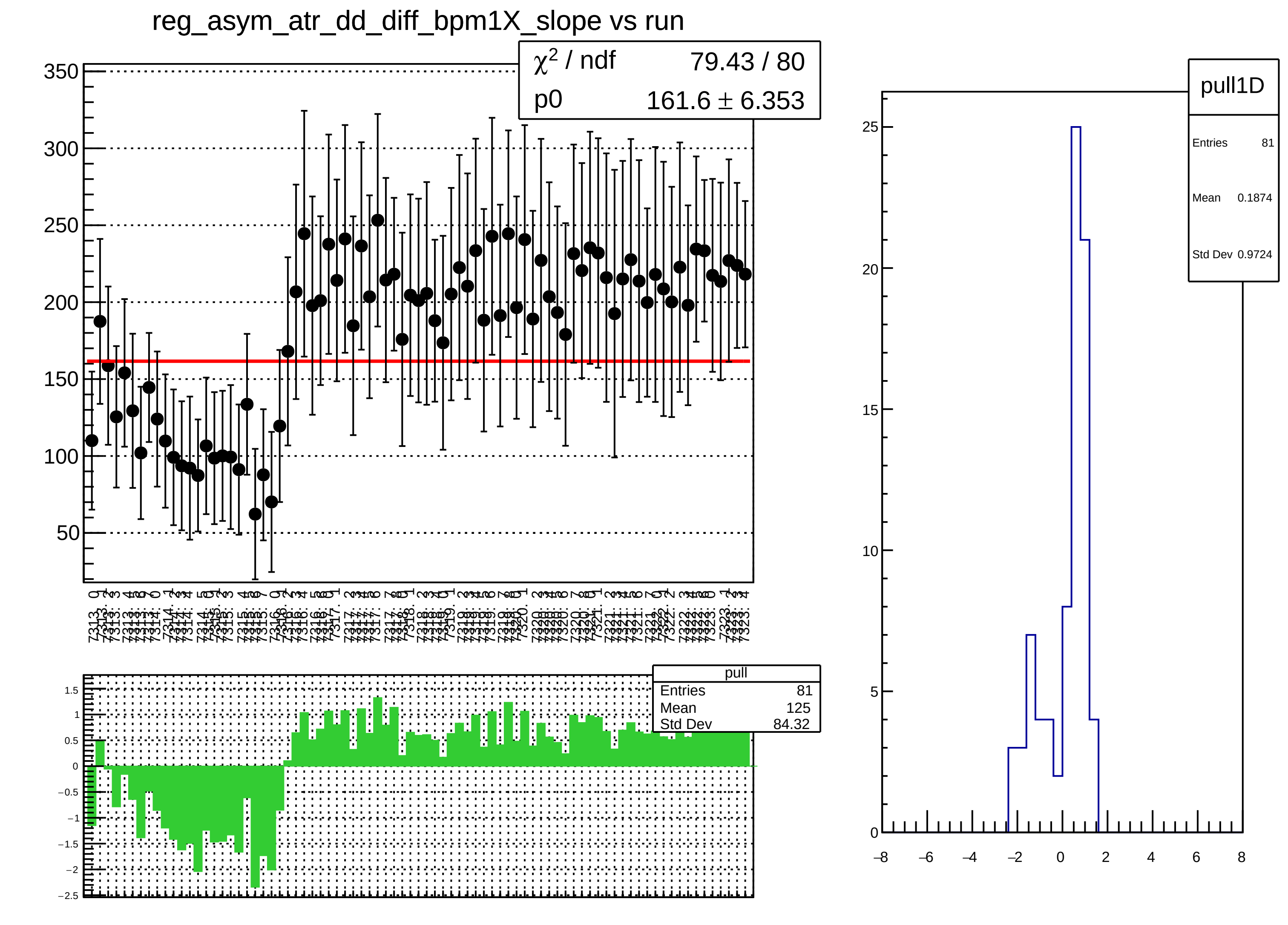
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 66.36 / 80
p0 223 ± 6.876
pull
Entries 81
Mean 127
Std Dev 86.19
pull1D
Entries 81
Mean 0.1675
Std Dev 0.8895

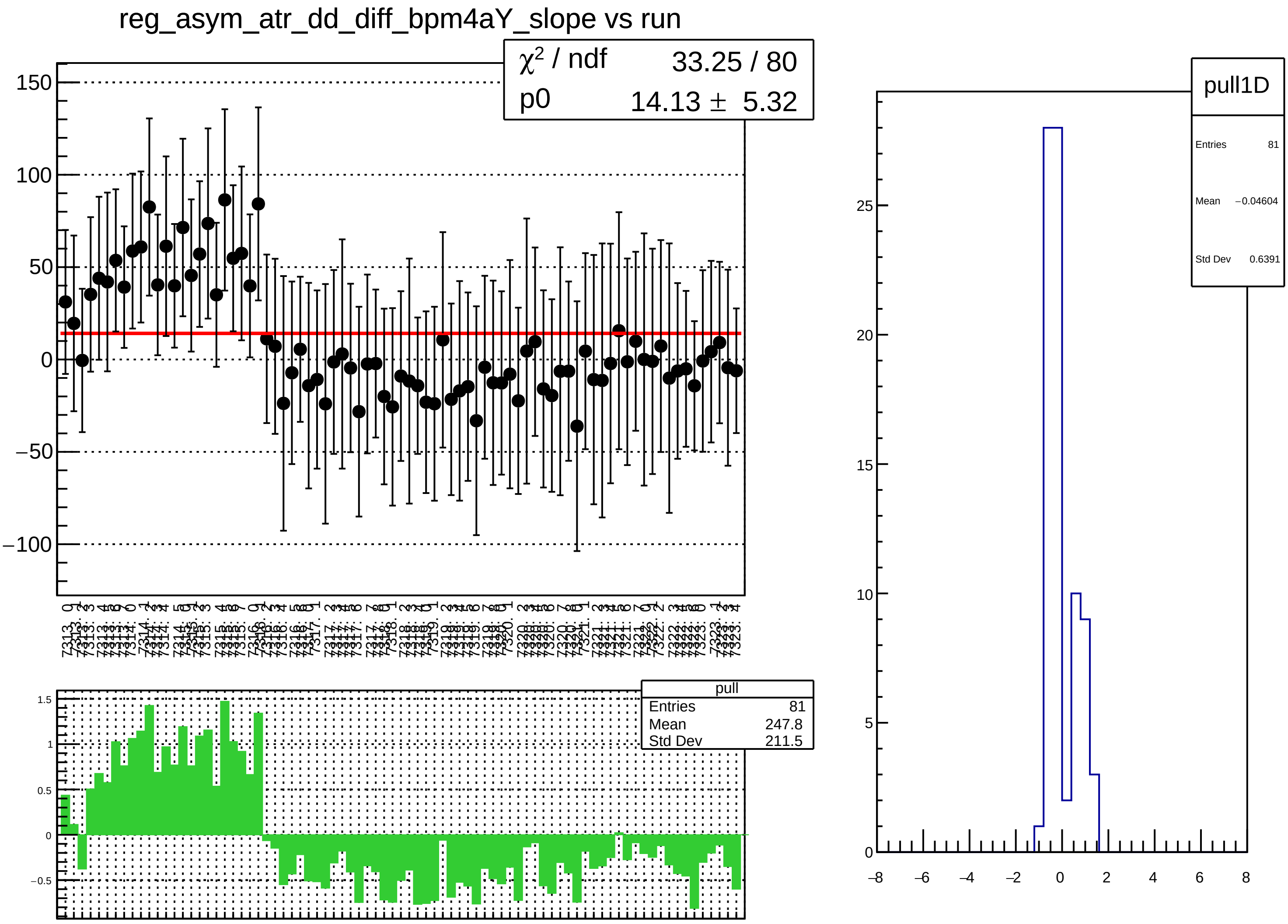


reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ2 / ndf 29.39 / 80
p0 65.9 ± 6.273
pull
Entries 81
Mean 278.7
Std Dev 241.2
pull1D
Entries 81
Mean −0.03829
Std Dev 0.6011

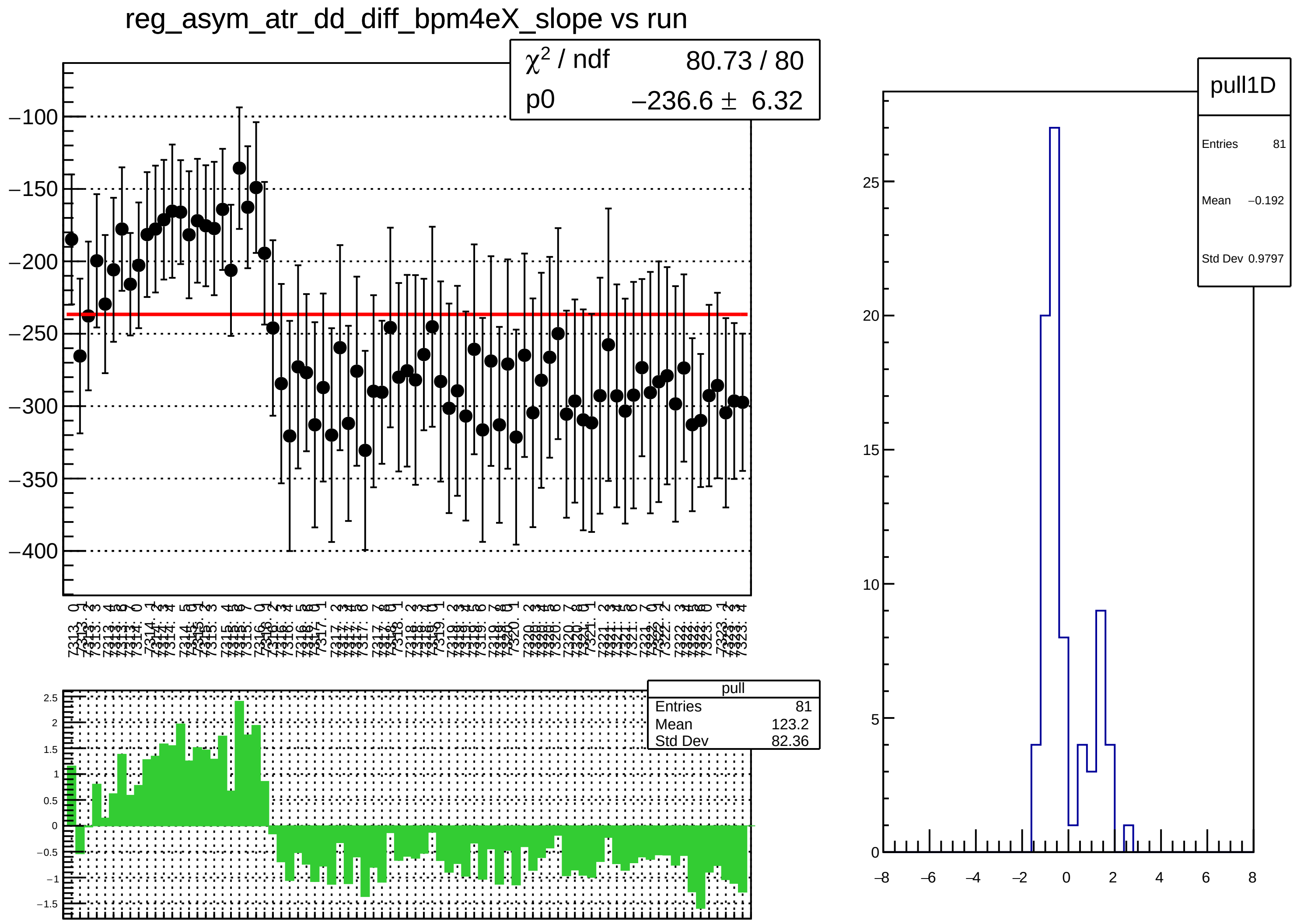


reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 40.28 / 80
p0 −132.5 ± 0.2683
−126
−128
−130
−132
−134
−136
−138
−140
pull
Entries 81
Mean −4385
Std Dev 4422
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.002226
Std Dev 0.7052
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

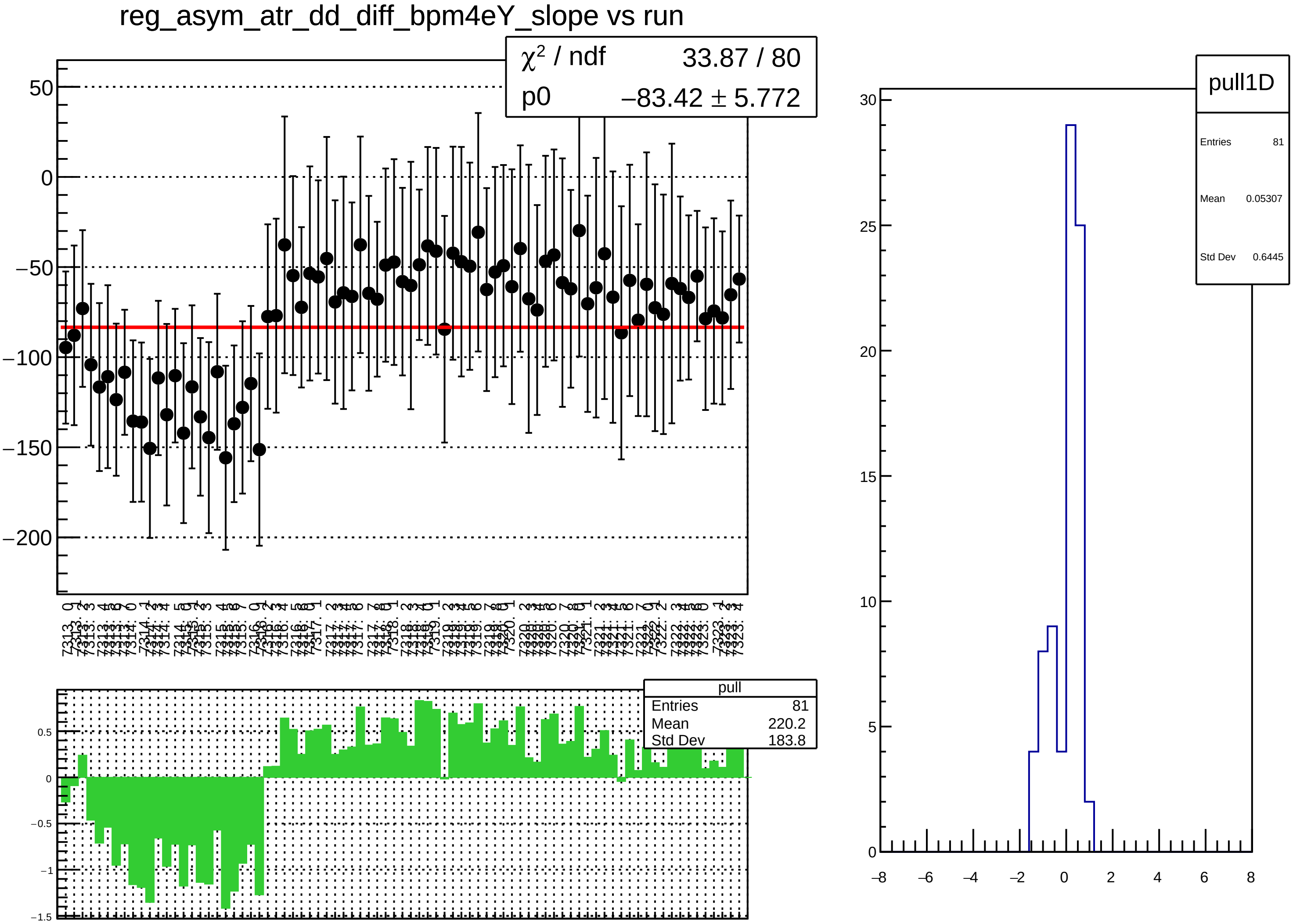

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 79.43 / 80
p0 161.6 ± 6.353
pull
Entries 81
Mean 125
Std Dev 84.32
pull1D
Entries 81
Mean 0.1874
Std Dev 0.9724



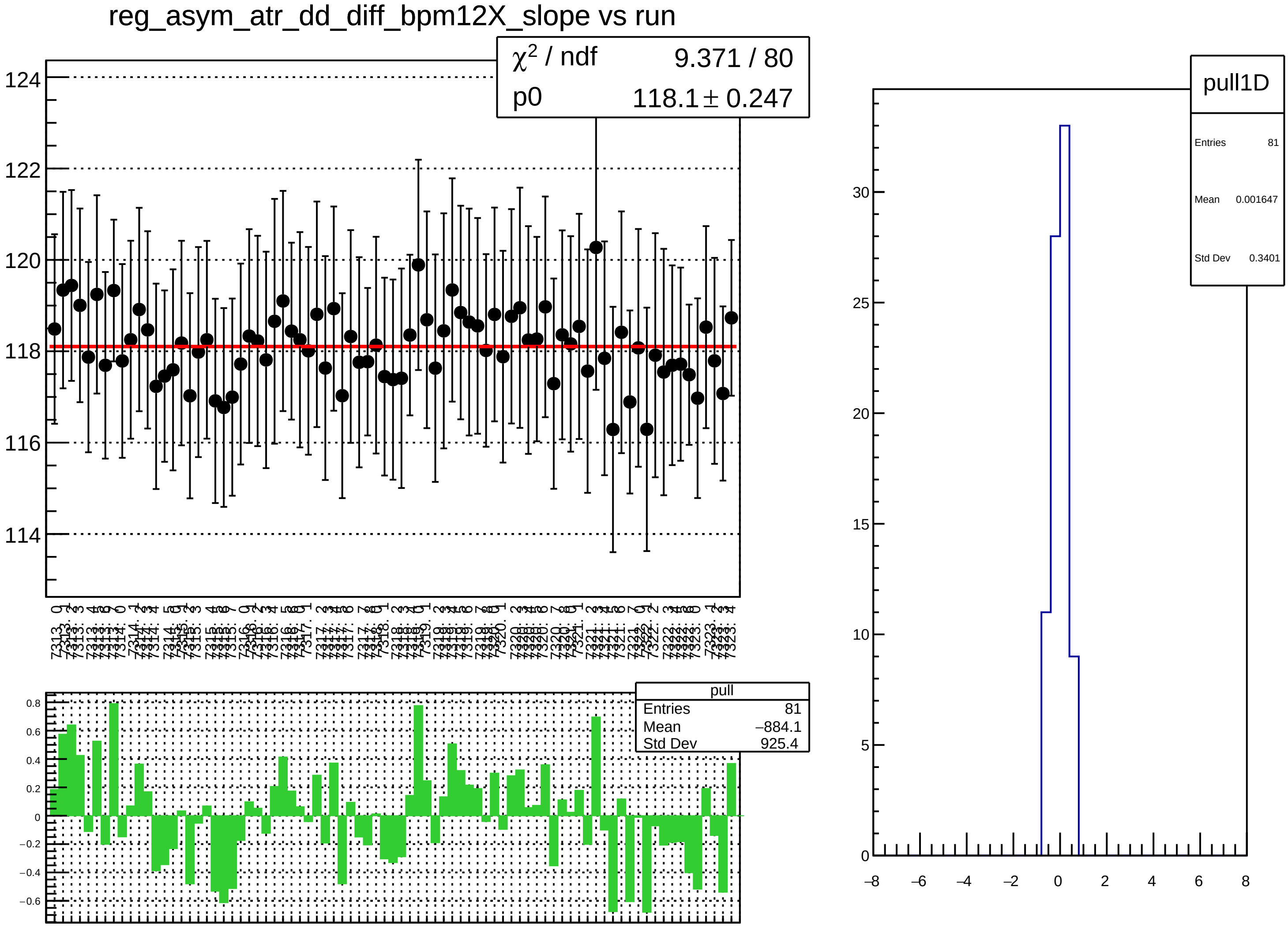
reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 33.25 / 80
p0 14.13 ± 5.32
pull
Entries 81
Mean 247.8
Std Dev 211.5
pull1D
Entries 81
Mean −0.04604
Std Dev 0.6391



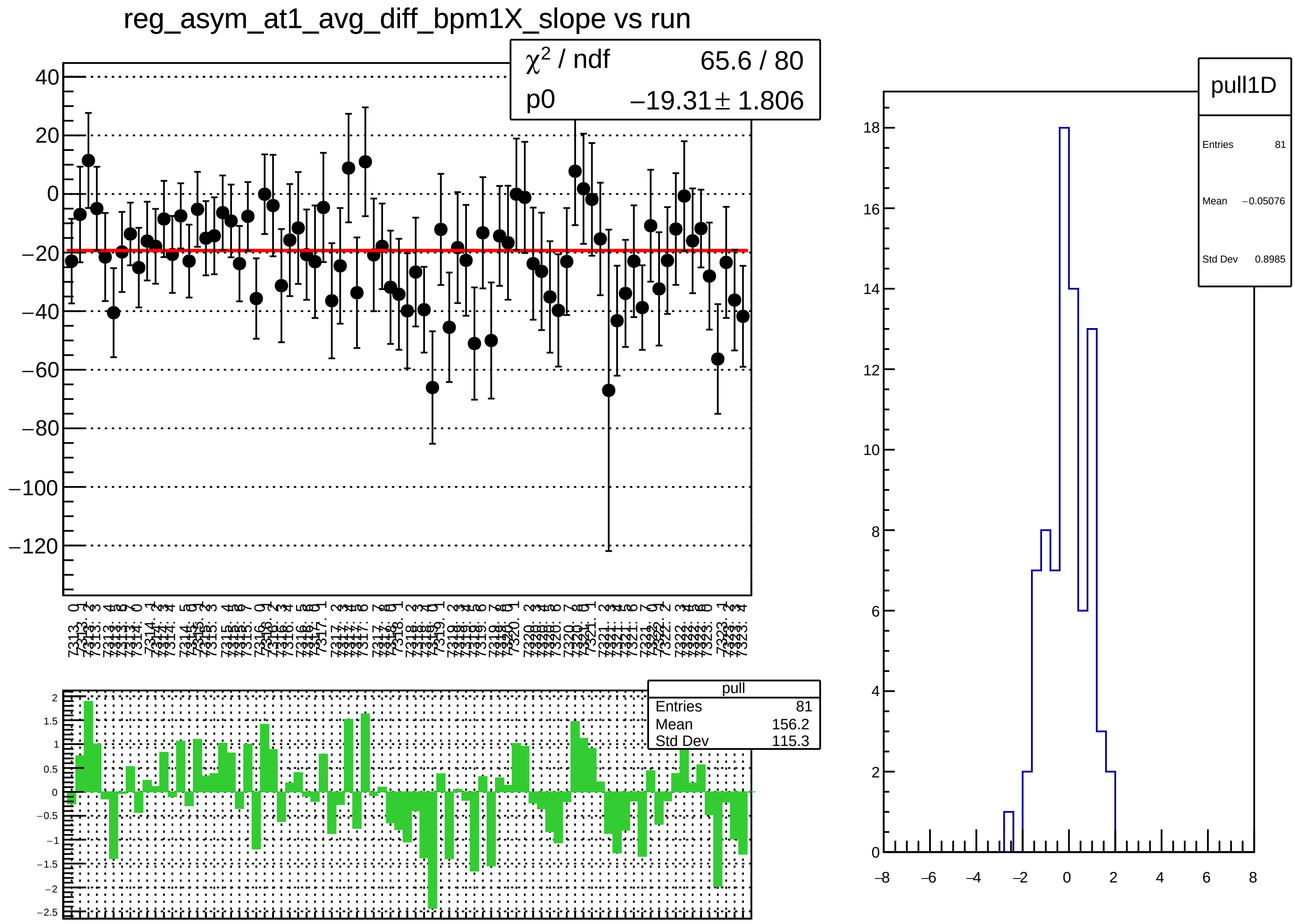
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 80.73 / 80
p0 −236.6 ± 6.32
pull
Entries 81
Mean 123.2
Std Dev 82.36
pull1D
Entries 81
Mean −0.192
Std Dev 0.9797



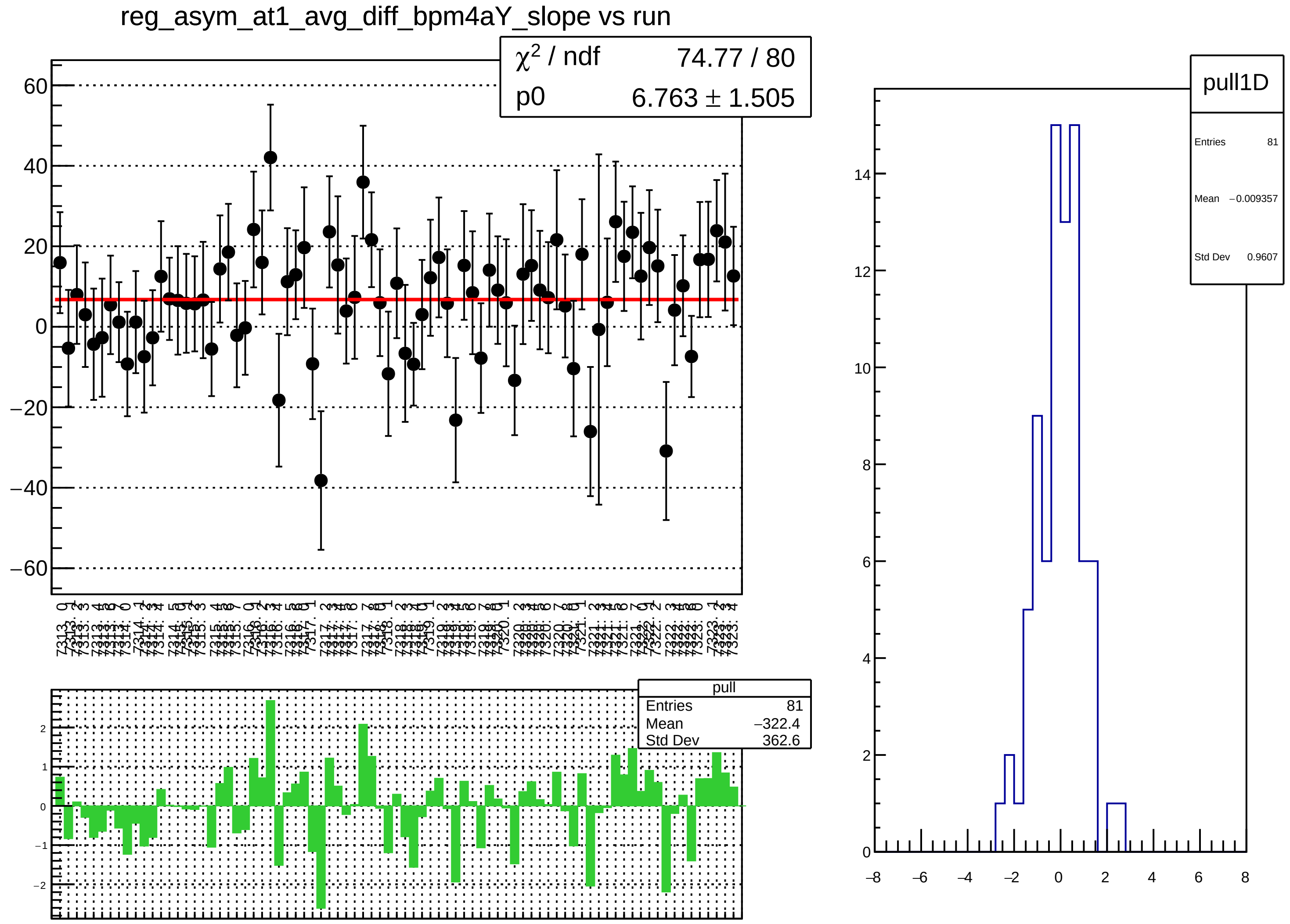
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ2 / ndf 33.87 / 80
p0 −83.42 ± 5.772
pull
Entries 81
Mean 220.2
Std Dev 183.8
pull1D
Entries 81
Mean 0.05307
Std Dev 0.6445



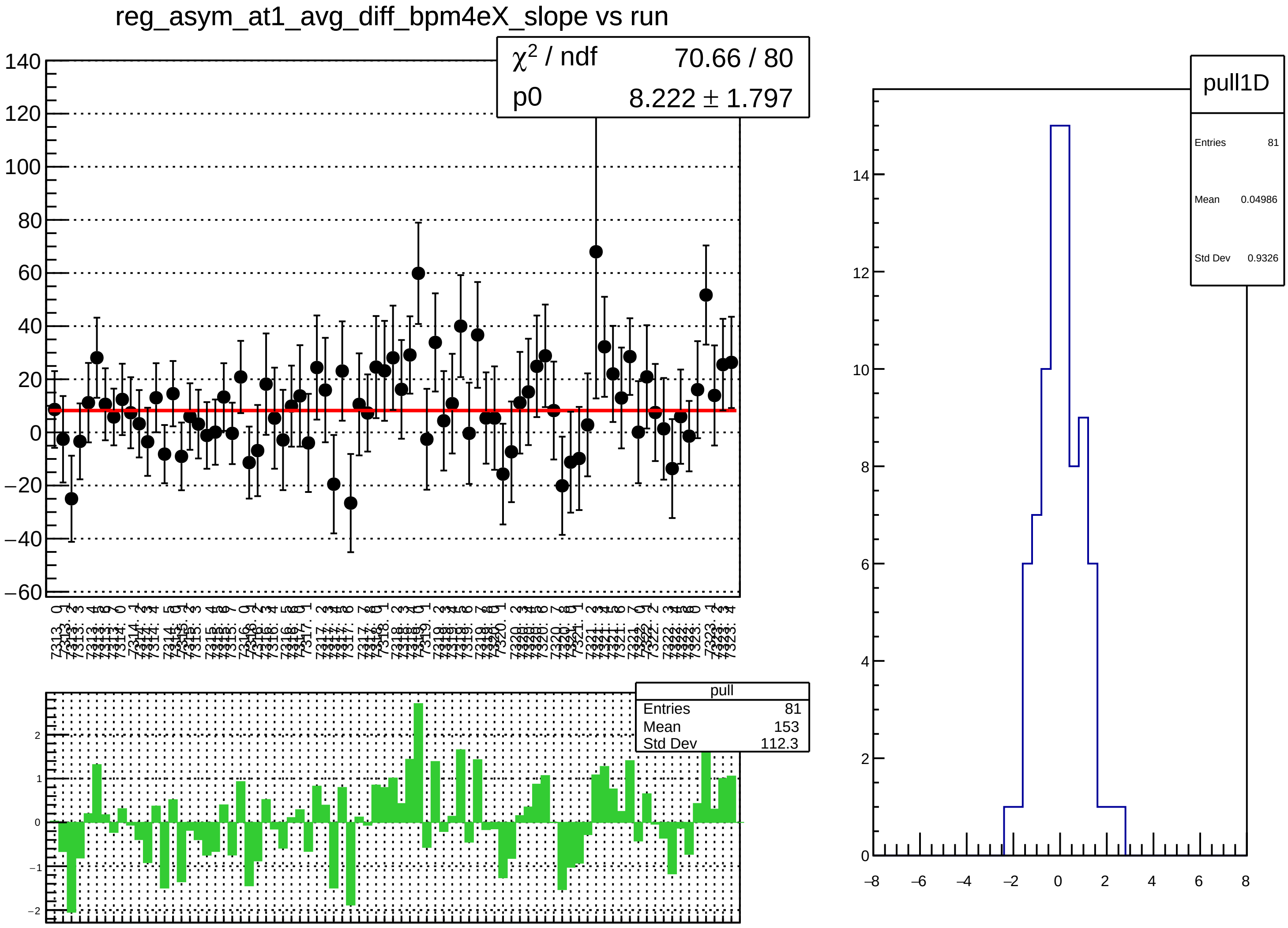
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.371 / 80
p0 118.1 ± 0.247
pull
Entries 81
Mean −884.1
Std Dev 925.4
pull1D
Entries 81
Mean 0.001647
Std Dev 0.3401



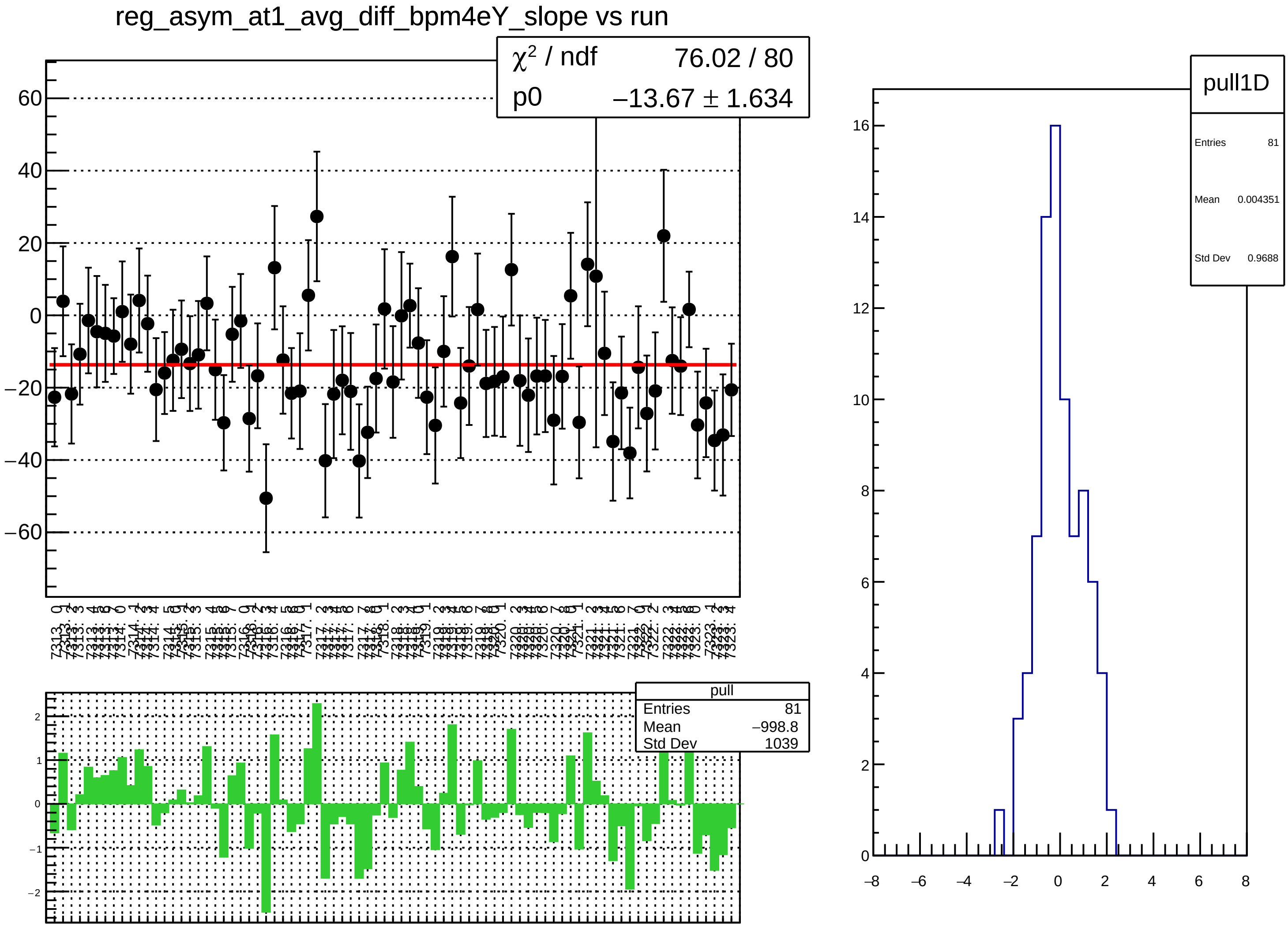
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ2 / ndf 65.6 / 80
p0 −19.31 ± 1.806
pull
Entries 81
Mean 156.2
Std Dev 115.3
pull1D
Entries 81
Mean −0.05076
Std Dev 0.8985

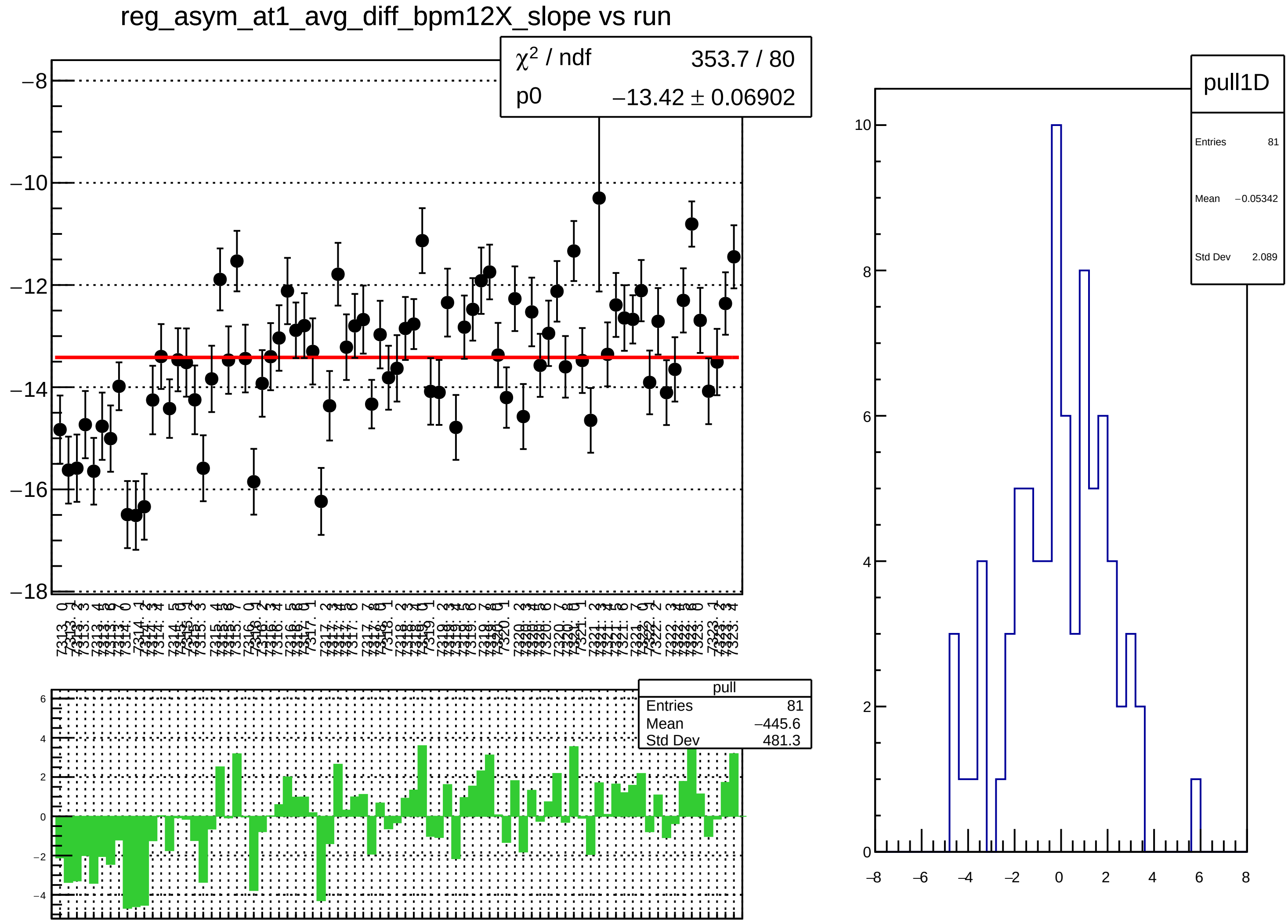


reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ2 / ndf 74.77 / 80
p0 6.763 ± 1.505
pull
Entries 81
Mean −322.4
Std Dev 362.6
pull1D
Entries 81
Mean −0.009357
Std Dev 0.9607

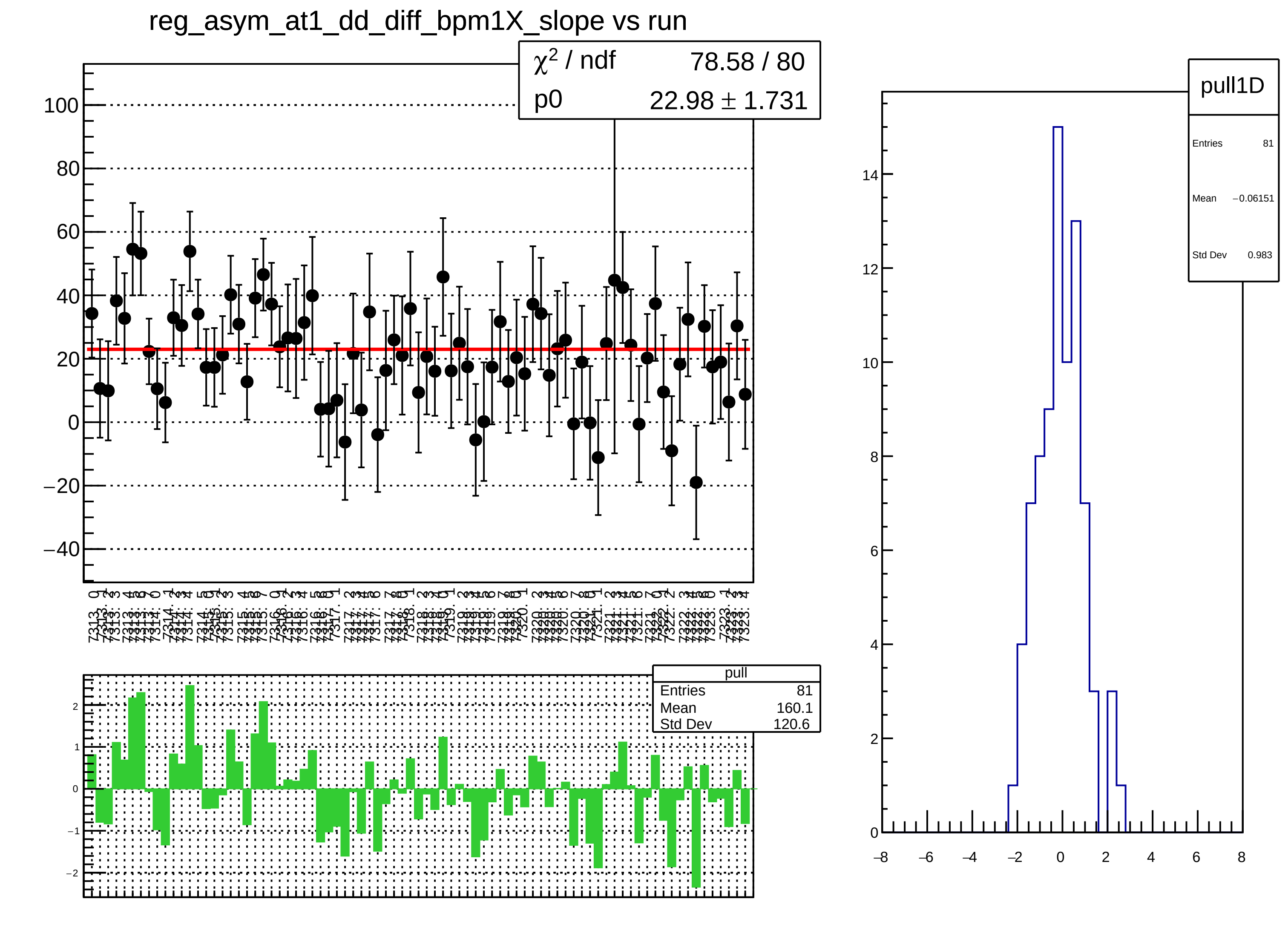


reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 70.66 / 80
p0 8.222 ± 1.797
pull
Entries 81
Mean 153
Std Dev 112.3
pull1D
Entries 81
Mean 0.04986
Std Dev 0.9326

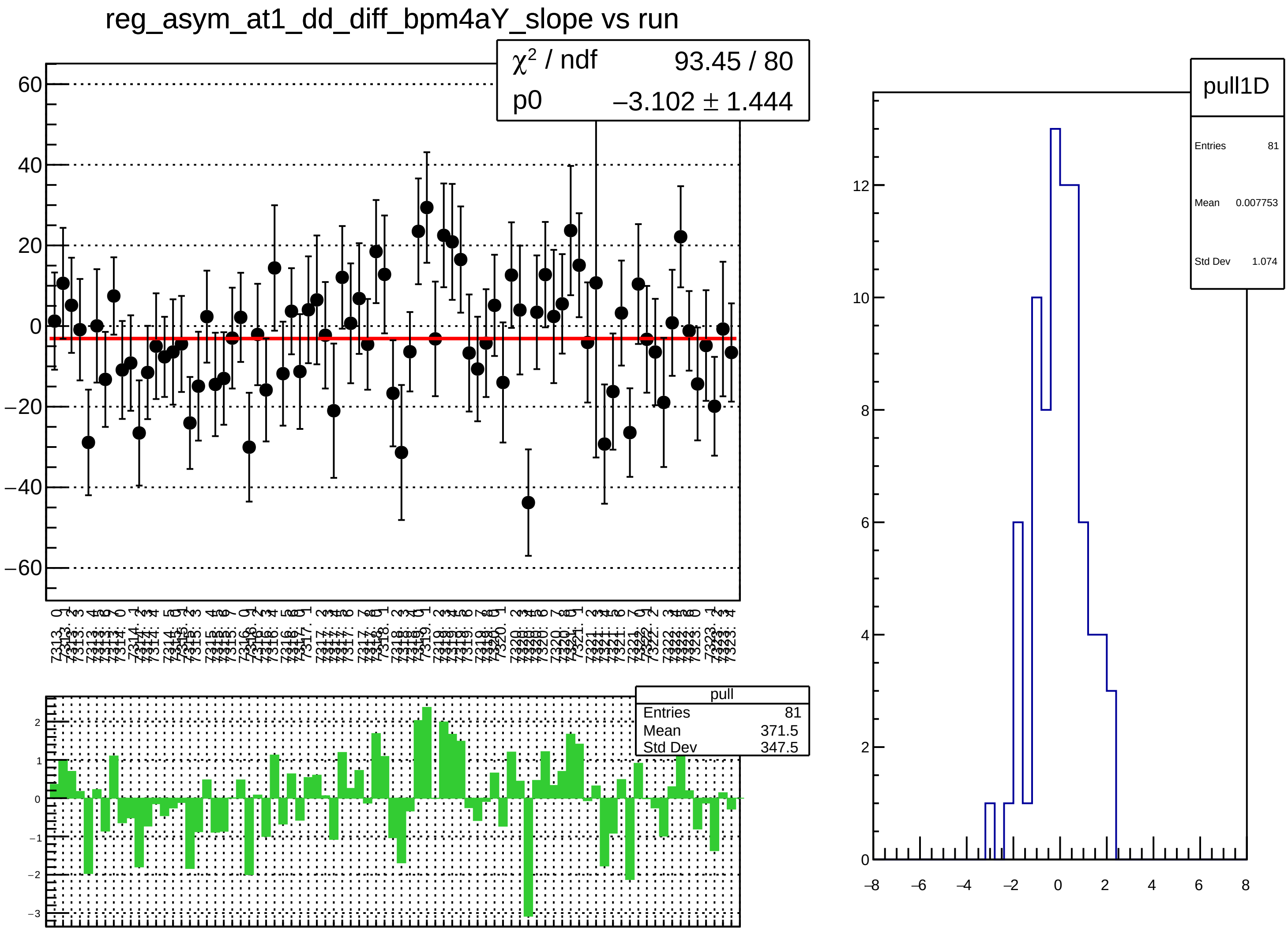

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 76.02 / 80
p0 −13.67 ± 1.634
pull
Entries 81
Mean −998.8
Std Dev 1039
pull1D
Entries 81
Mean 0.004351
Std Dev 0.9688



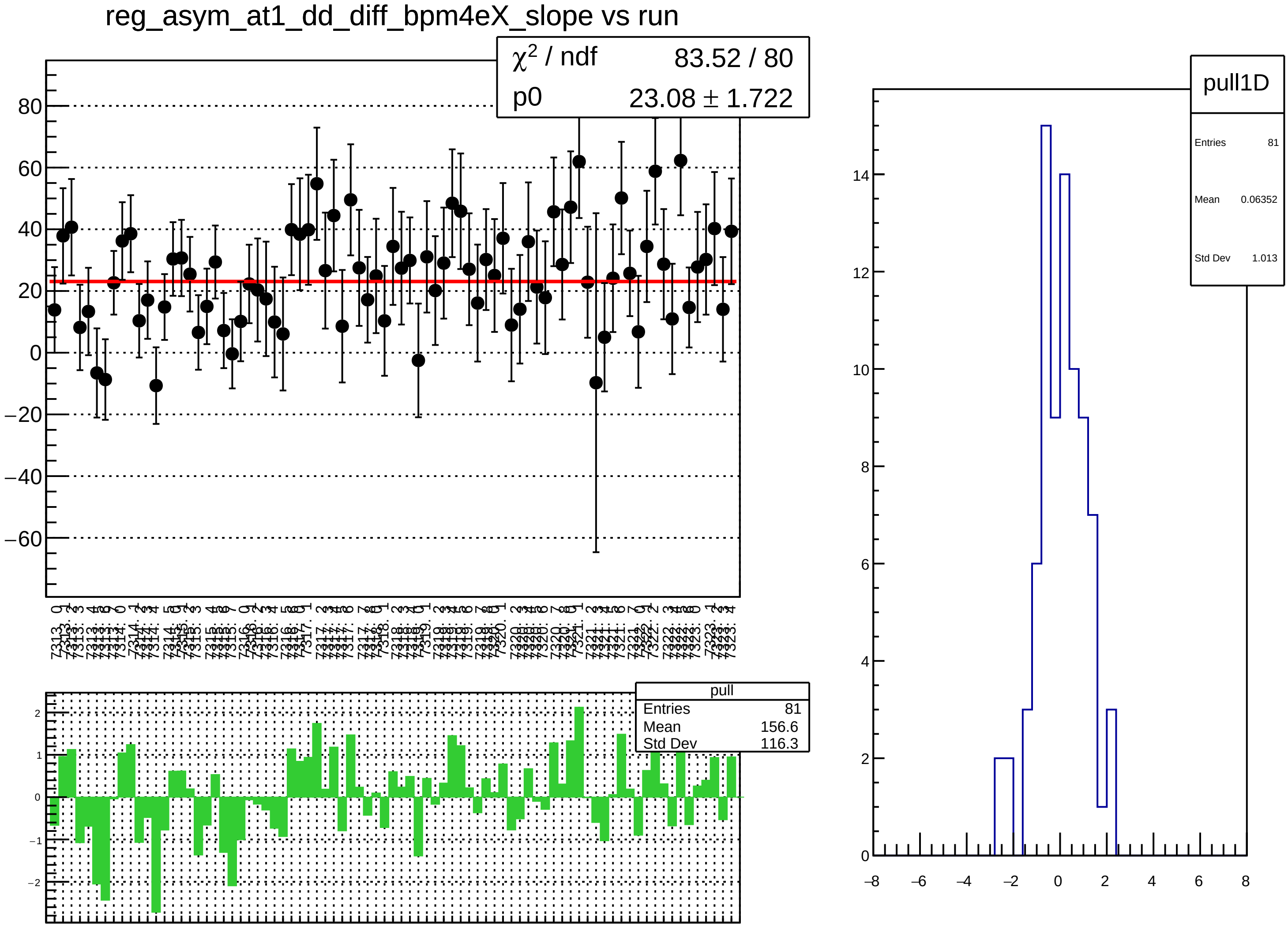
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ2 / ndf 353.7 / 80
p0 −13.42 ± 0.06902
pull
Entries 81
Mean −445.6
Std Dev 481.3
pull1D
Entries 81
Mean −0.05342
Std Dev 2.089



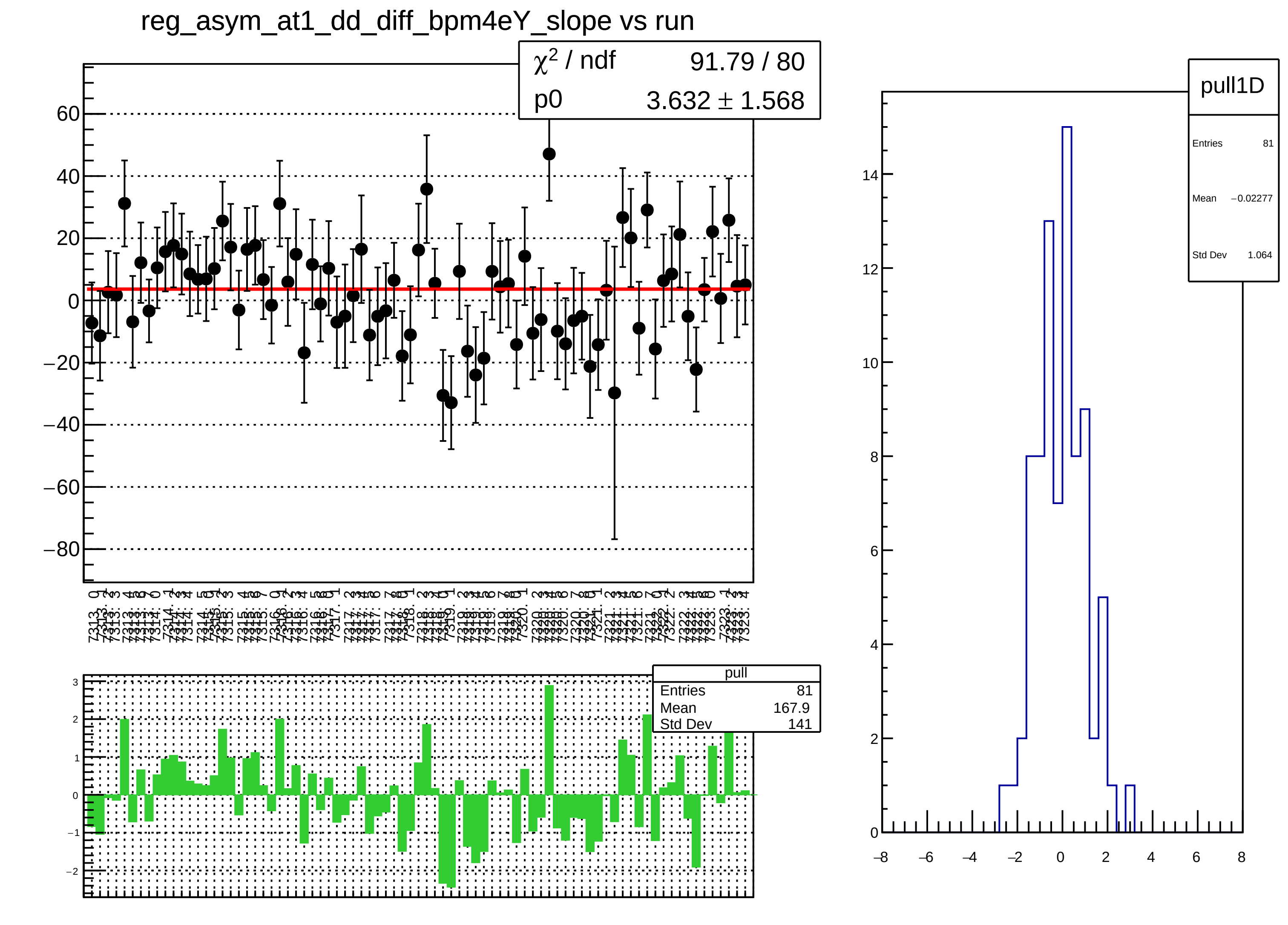
reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 78.58 / 80
p0 22.98 ± 1.731
pull
Entries 81
Mean 160.1
Std Dev 120.6
pull1D
Entries 81
Mean −0.06151
Std Dev 0.983



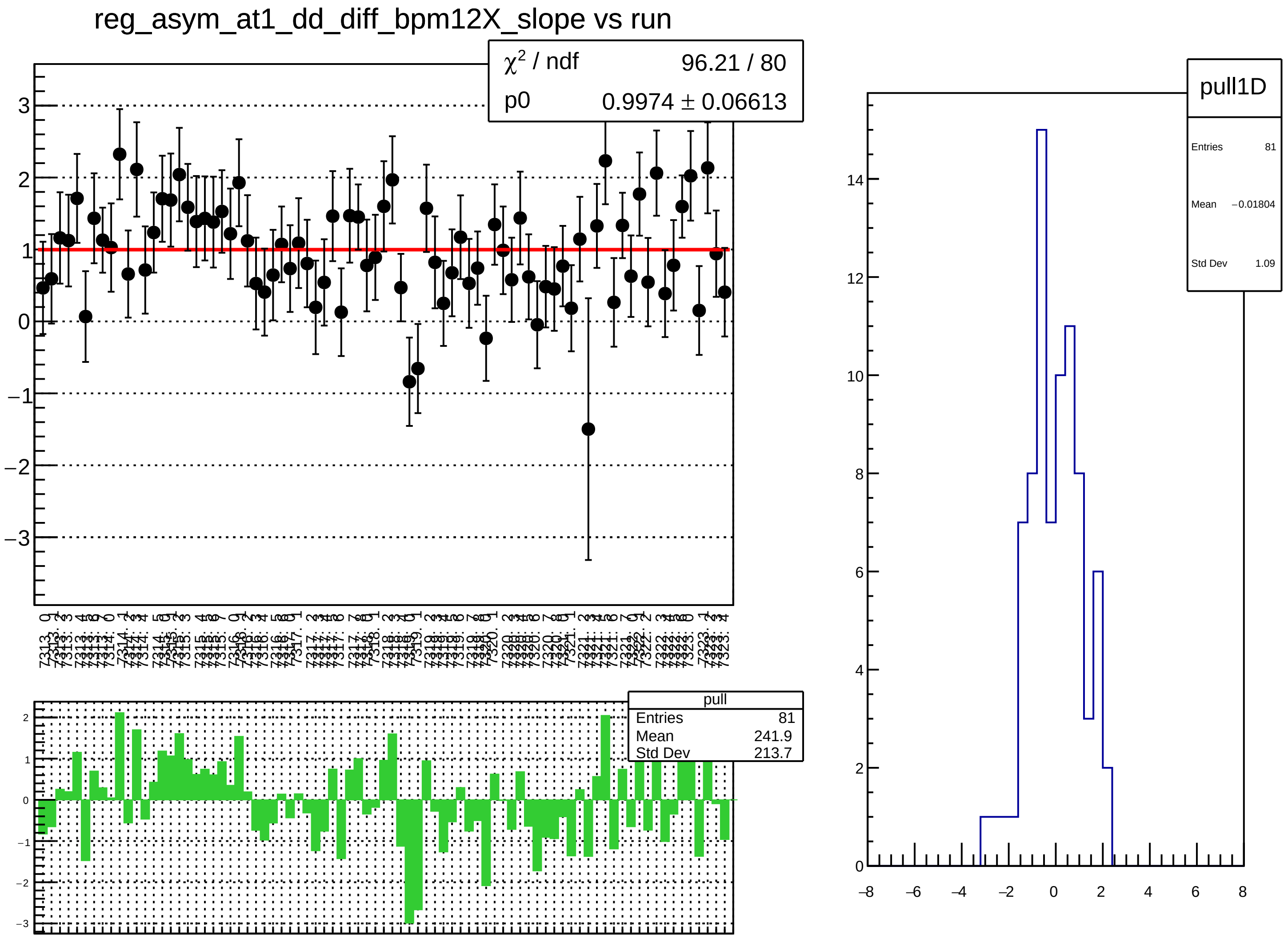
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 93.45 / 80
p0 −3.102 ± 1.444
pull
Entries 81
Mean 371.5
Std Dev 347.5
pull1D
Entries 81
Mean 0.007753
Std Dev 1.074

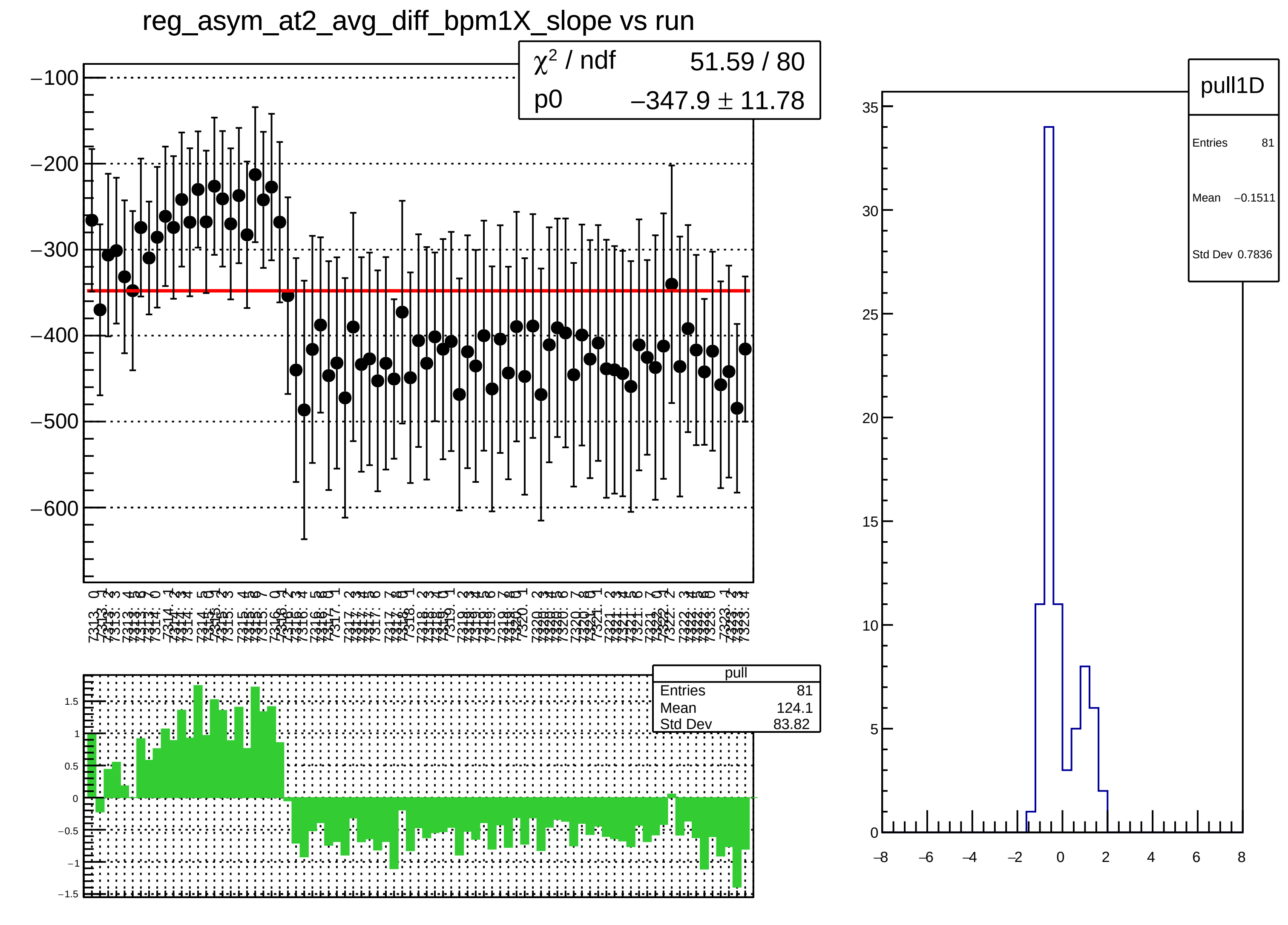


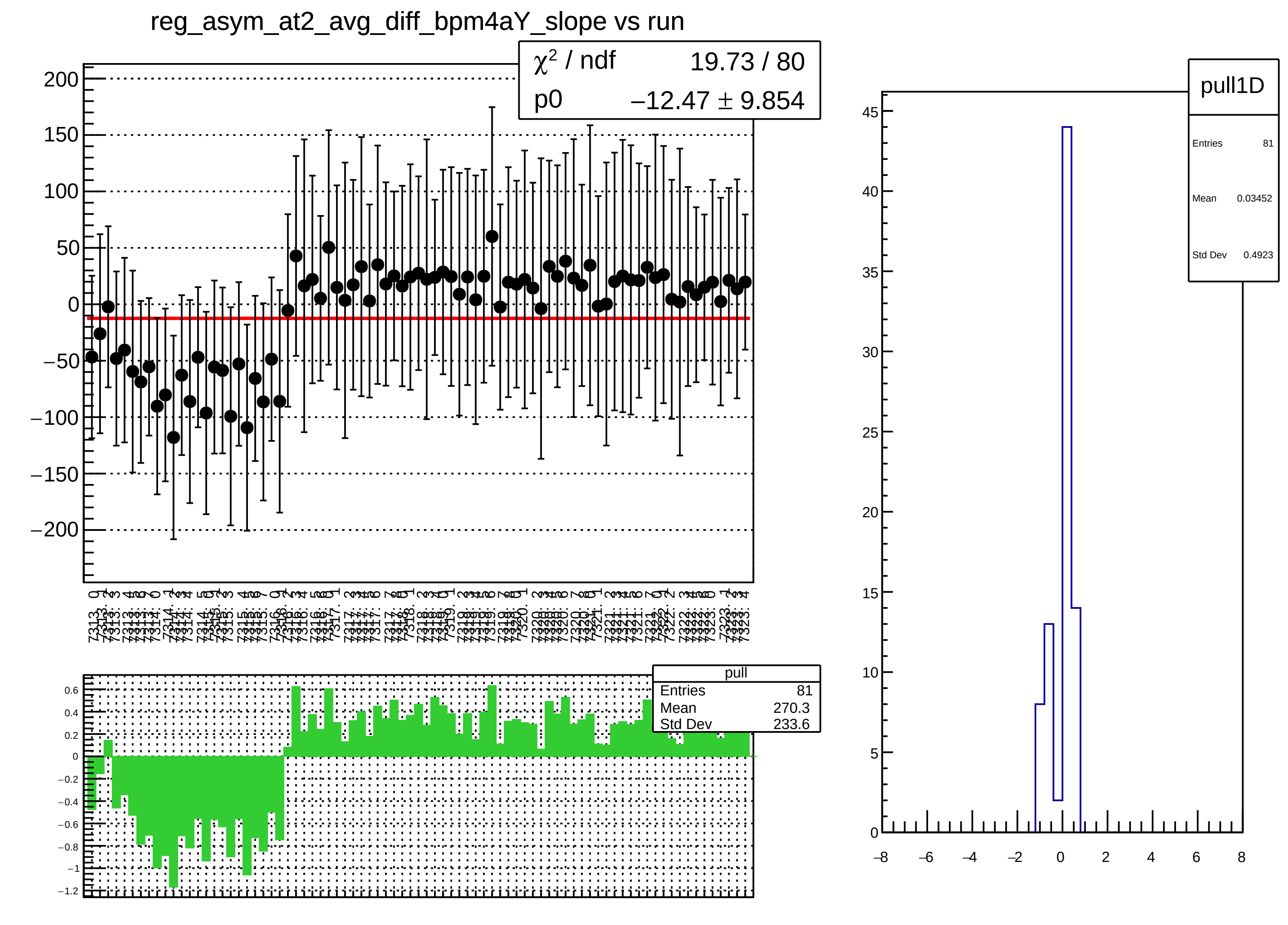
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 83.52 / 80
p0 23.08 ± 1.722
80
60
40
20
0
−20
−40
−60
pull
Entries 81
Mean 156.6
Std Dev 116.3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.06352
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



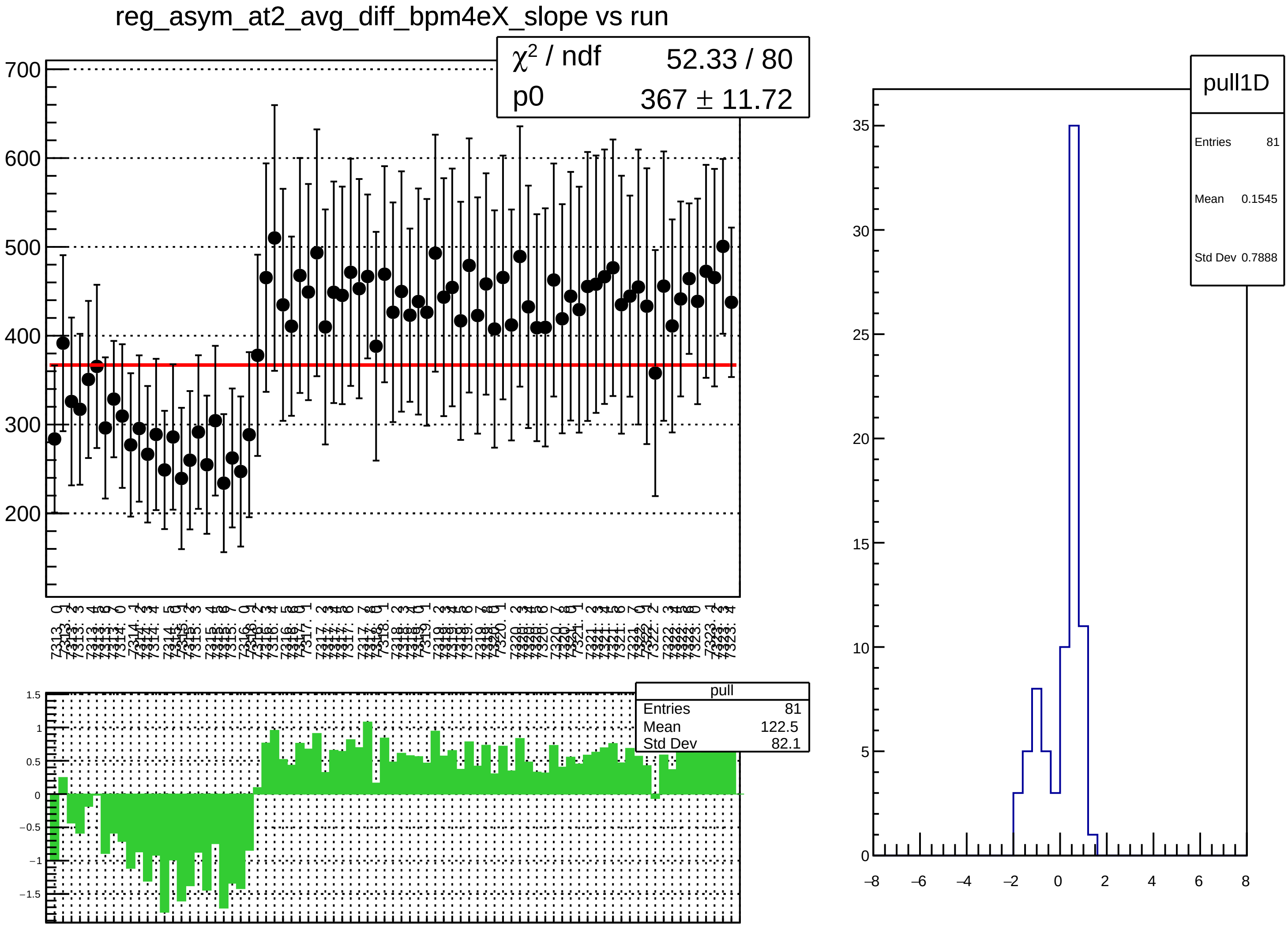
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 91.79 / 80
p0 3.632 ± 1.568
pull
Entries 81
Mean 167.9
Std Dev 141
pull1D
Entries 81
Mean −0.02277
Std Dev 1.064


reg_asym_at1_dd_diff_bpm12X_slope vs run
χ2 / ndf 96.21 / 80
p0 0.9974 ± 0.06613
pull
Entries 81
Mean 241.9
Std Dev 213.7
pull1D
Entries 81
Mean −0.01804
Std Dev 1.09

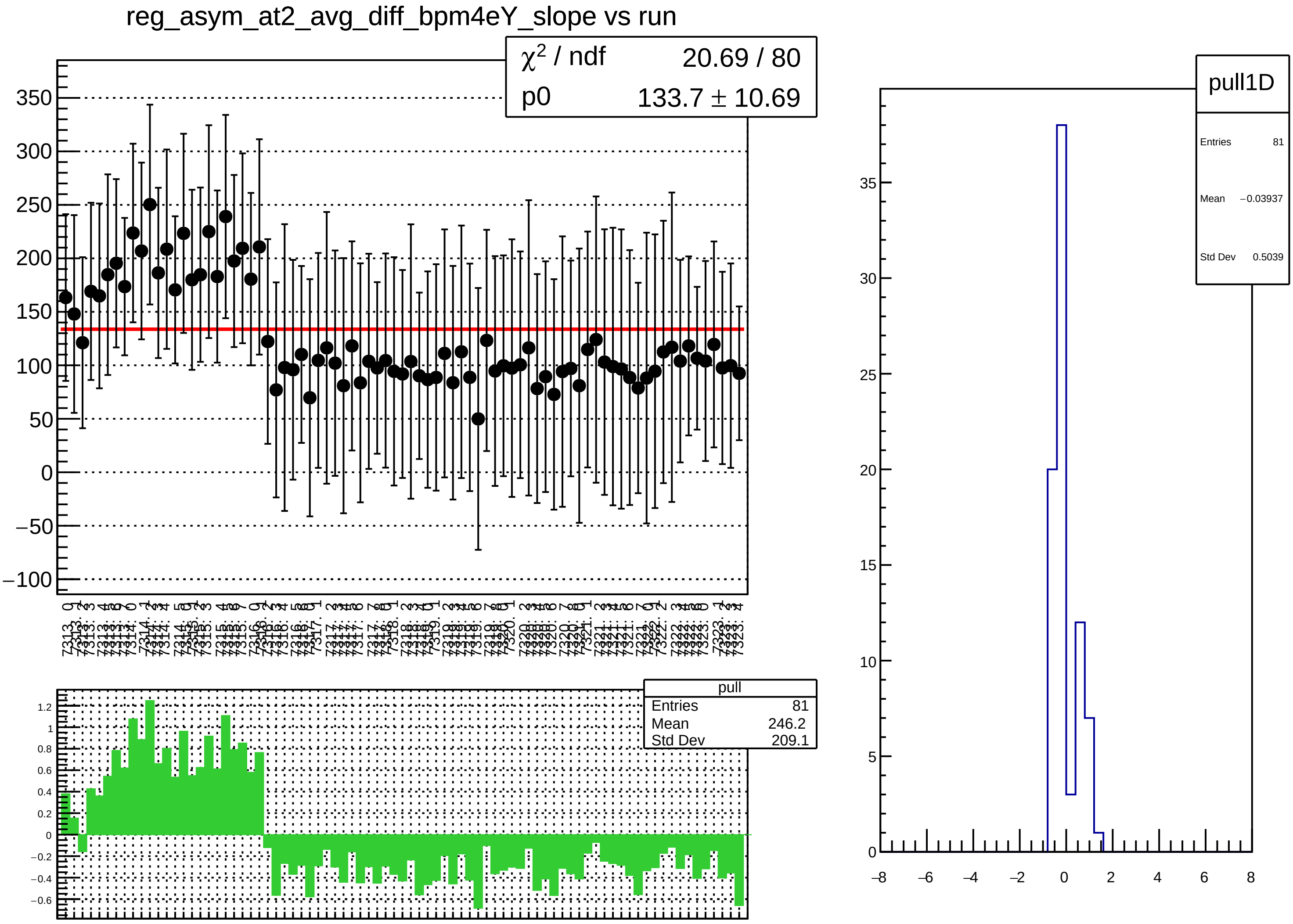

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 51.59 / 80
p0 −347.9 ± 11.78
pull
Entries 81
Mean 124.1
Std Dev 83.82
pull1D
Entries 81
Mean −0.1511
Std Dev 0.7836



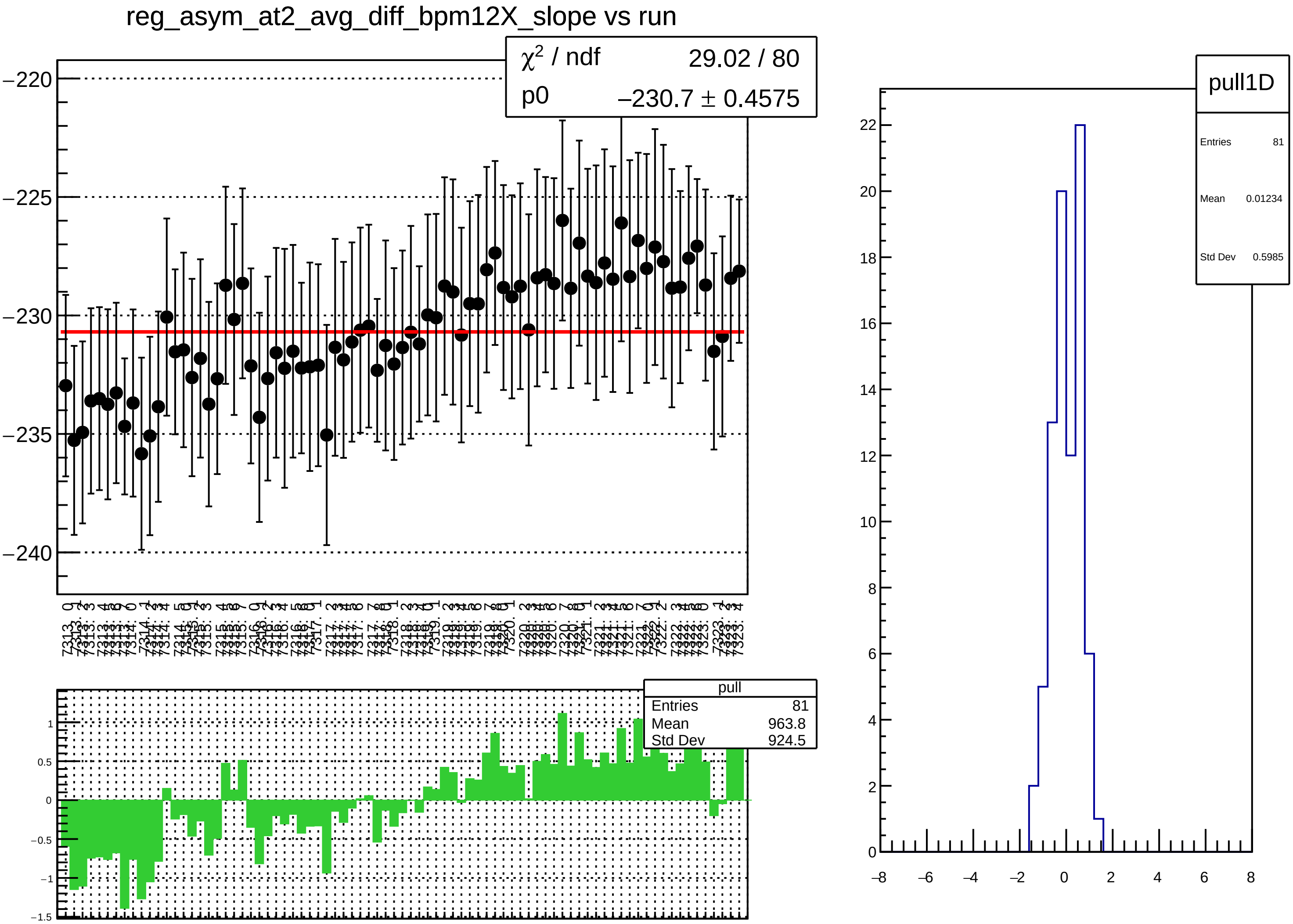
reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 19.73 / 80
p0 −12.47 ± 9.854
pull
Entries 81
Mean 270.3
Std Dev 233.6
pull1D
Entries 81
Mean 0.03452
Std Dev 0.4923



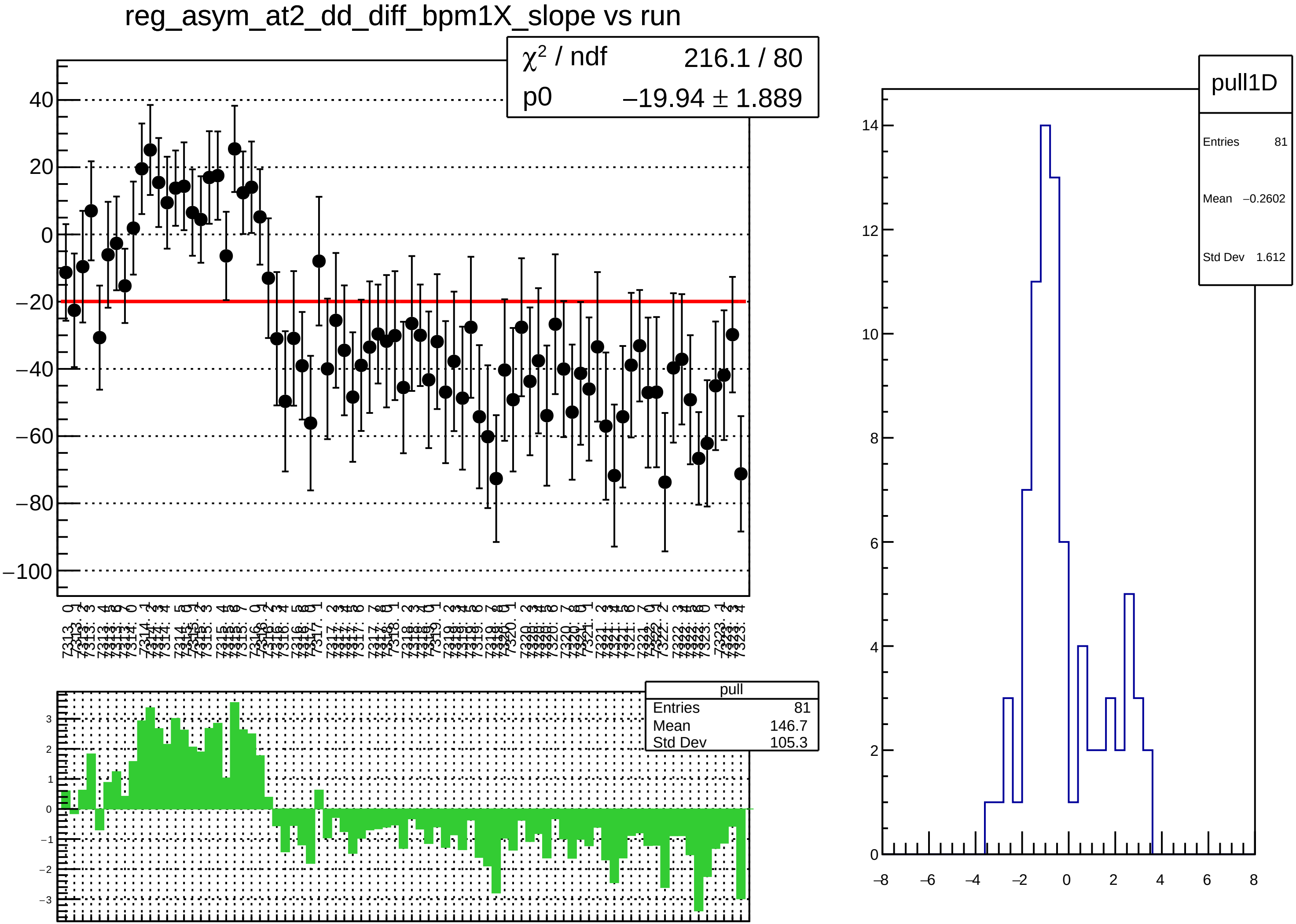
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 52.33 / 80
p0 367 ± 11.72
pull
Entries 81
Mean 122.5
Std Dev 82.1
pull1D
Entries 81
Mean 0.1545
Std Dev 0.7888



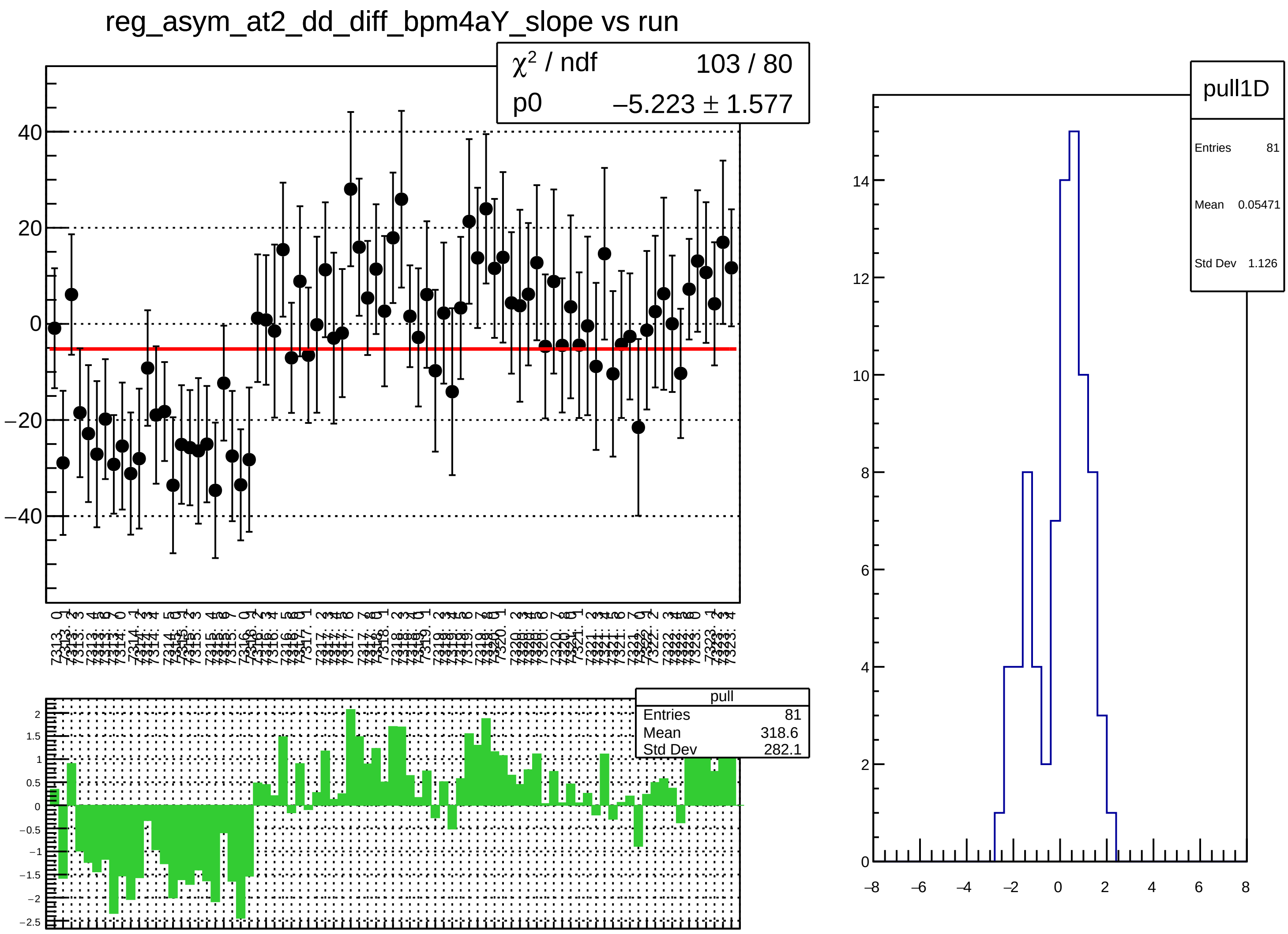
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 20.69 / 80
p0 133.7 ± 10.69
pull
Entries 81
Mean 246.2
Std Dev 209.1
pull1D
Entries 81
Mean −0.03937
Std Dev 0.5039



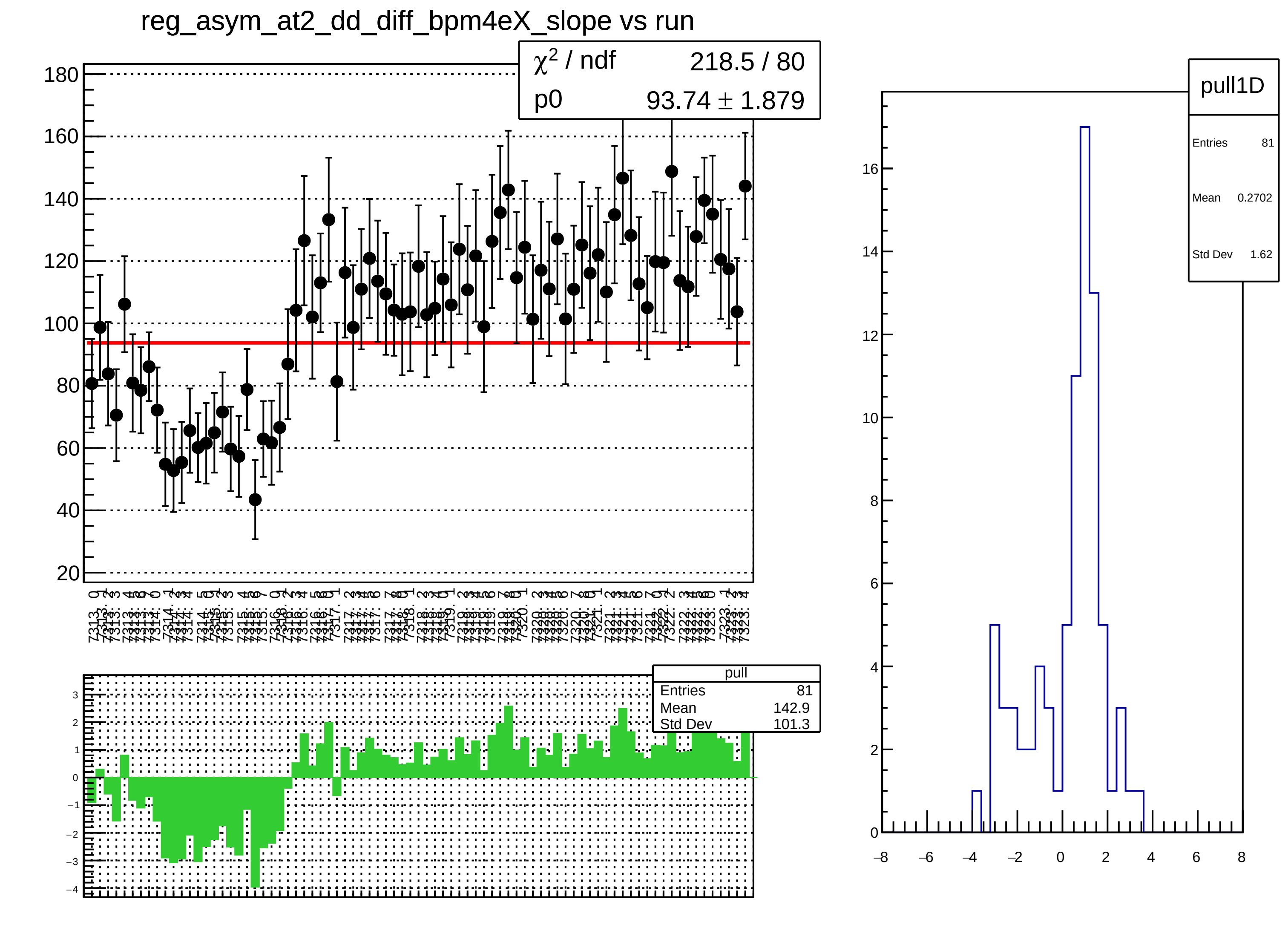
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ2 / ndf 29.02 / 80
p0 −230.7 ± 0.4575
−220
−225
−230
−235
−240
pull
Entries 81
Mean 963.8
Std Dev 924.5
pull1D
Entries 81
Mean 0.01234
Std Dev 0.5985



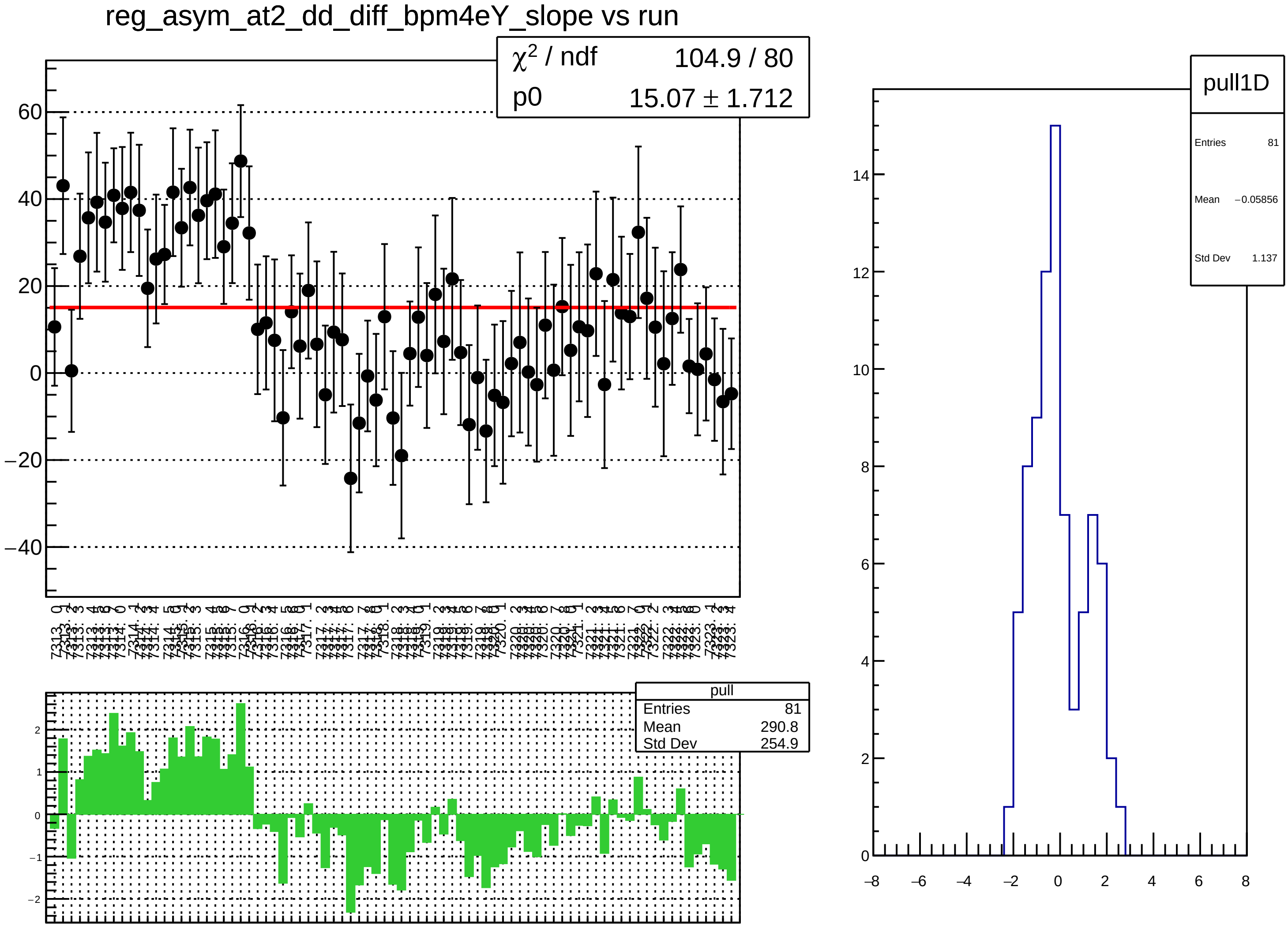
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 216.1 / 80
p0 −19.94 ± 1.889
pull
Entries 81
Mean 146.7
Std Dev 105.3
pull1D
Entries 81
Mean −0.2602
Std Dev 1.612



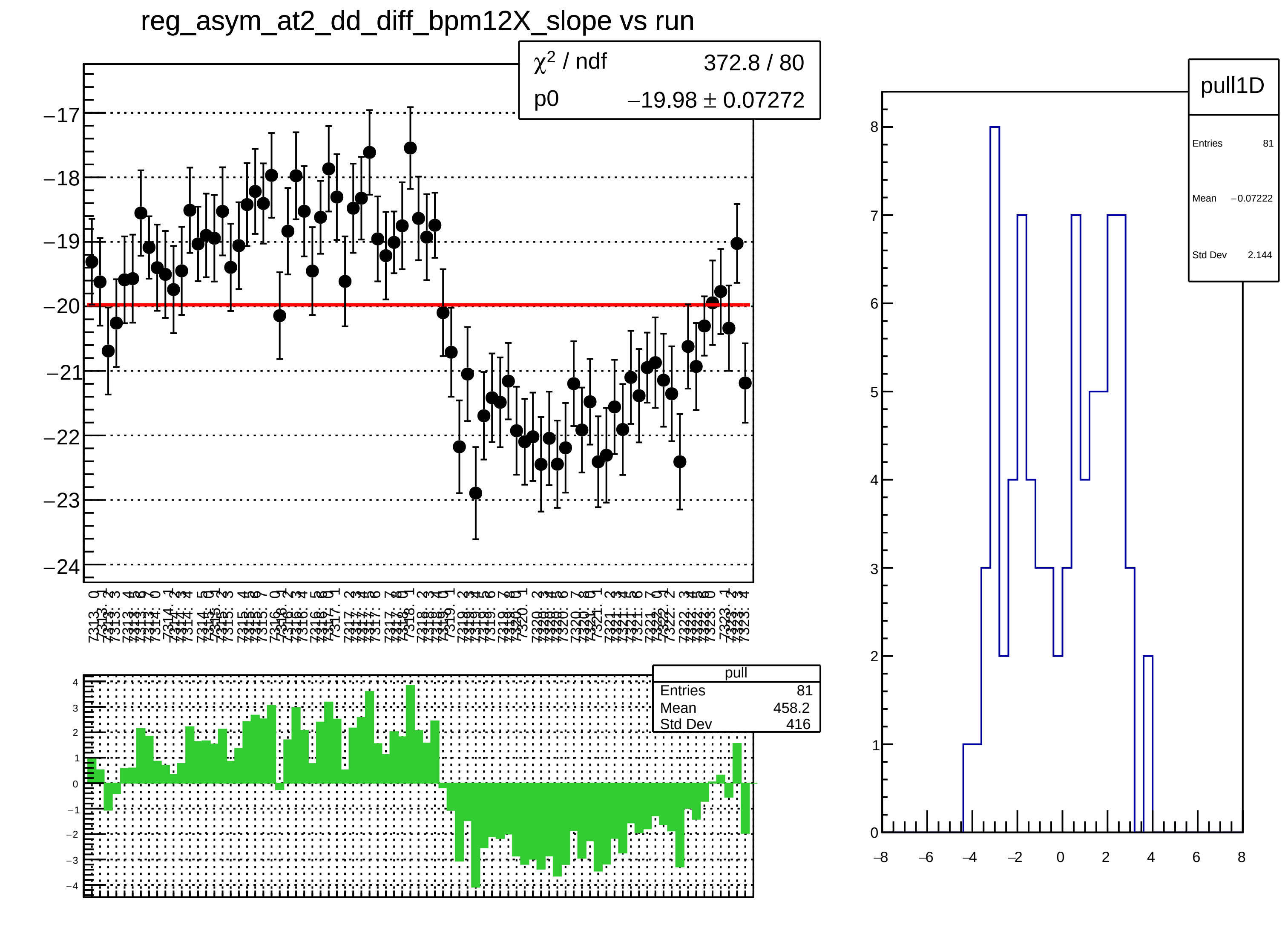
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 103 / 80
p0 −5.223 ± 1.577
pull
Entries 81
Mean 318.6
Std Dev 282.1
pull1D
Entries 81
Mean 0.05471
Std Dev 1.126

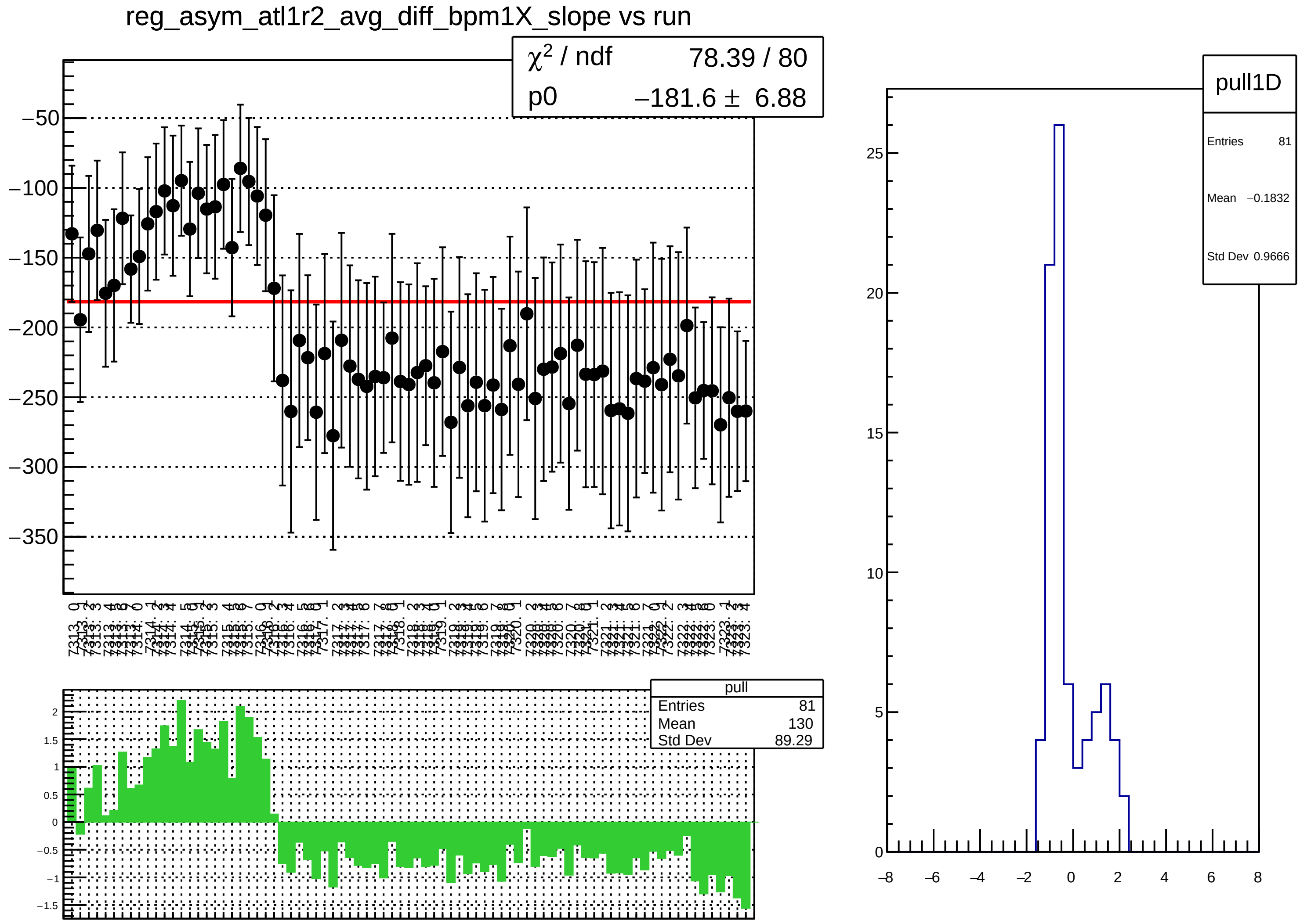


reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 218.5 / 80
p0 93.74 ± 1.879
pull
Entries 81
Mean 142.9
Std Dev 101.3
pull1D
Entries 81
Mean 0.2702
Std Dev 1.62

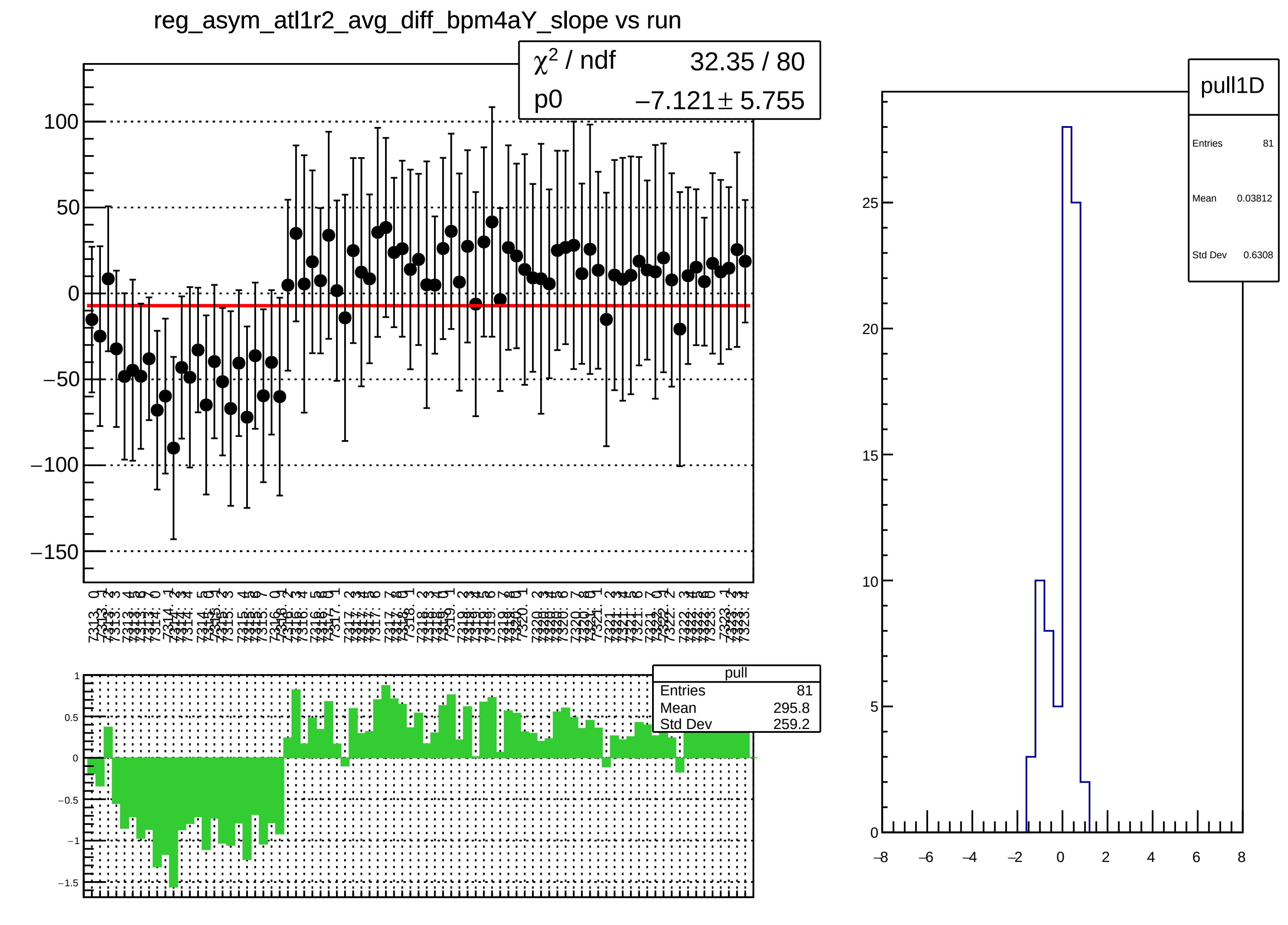


reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 104.9 / 80
p0 15.07 ± 1.712
60
40
20
0
−20
−40
pull
Entries 81
Mean 290.8
Std Dev 254.9
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.05856
Std Dev 1.137
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

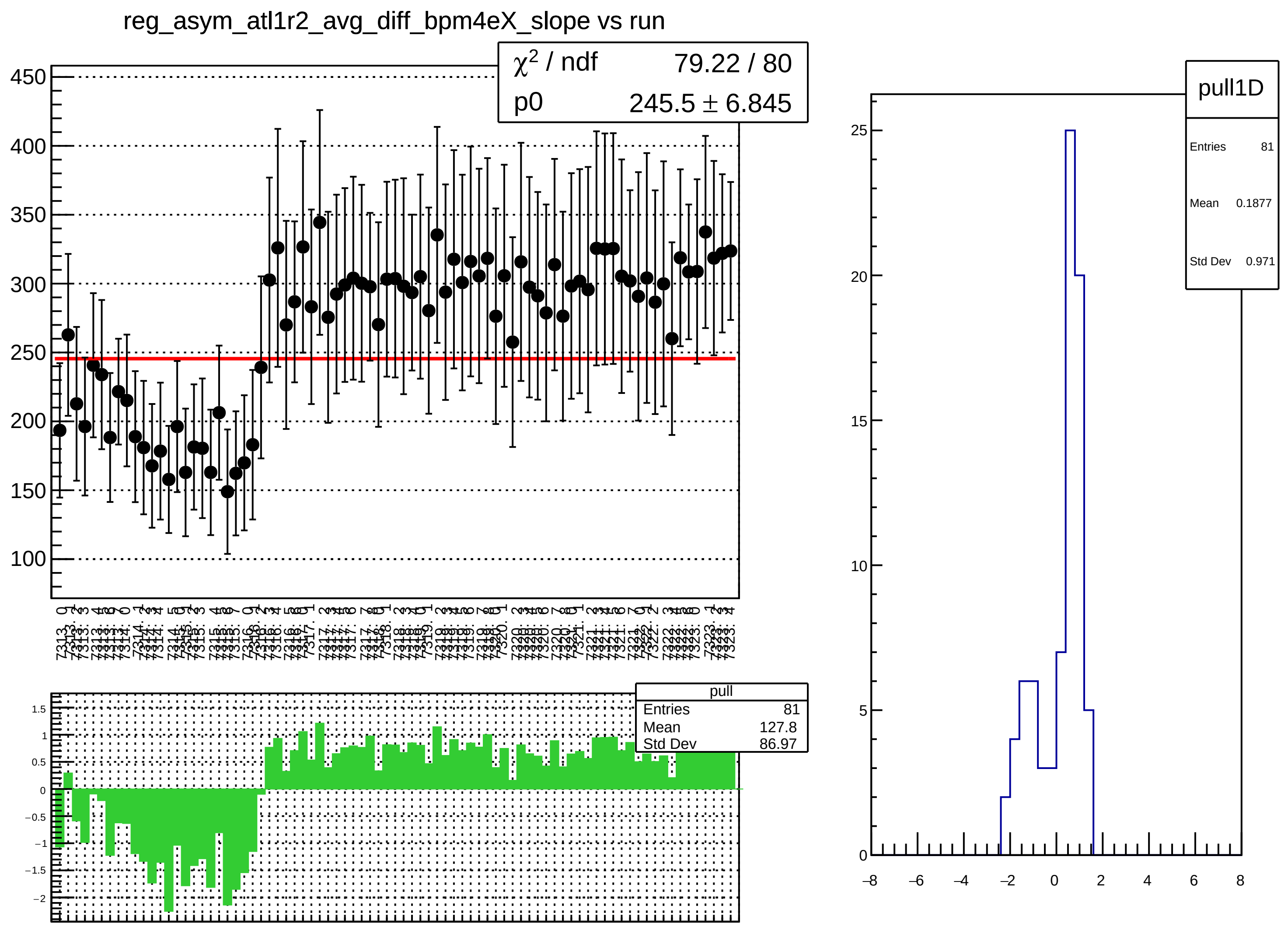

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ2 / ndf 372.8 / 80
p0 −19.98 ± 0.07272
pull
Entries 81
Mean 458.2
Std Dev 416
pull1D
Entries 81
Mean −0.07222
Std Dev 2.144



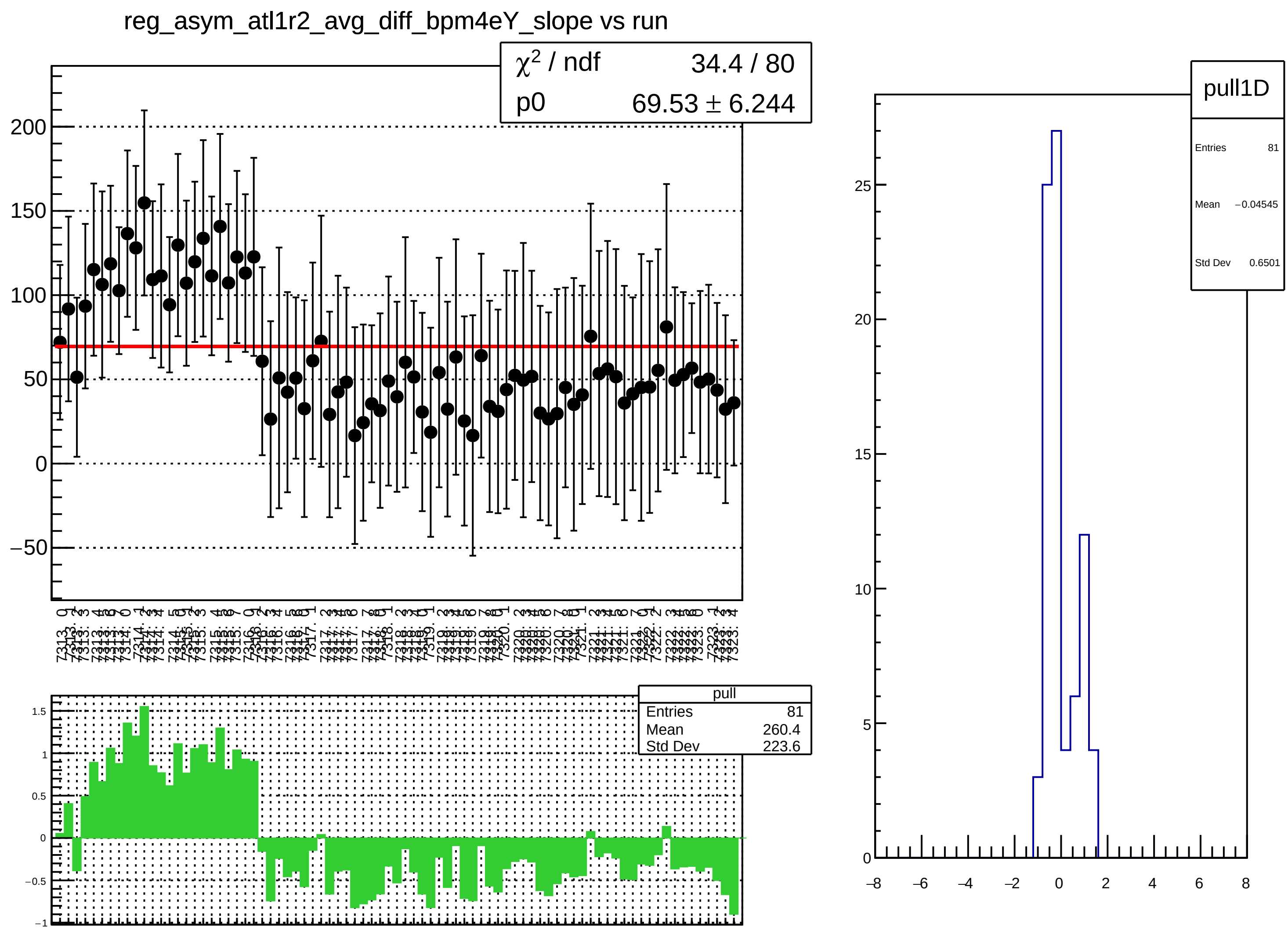
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ2 / ndf 78.39 / 80
p0 −181.6 ± 6.88
pull
Entries 81
Mean 130
Std Dev 89.29
pull1D
Entries 81
Mean −0.1832
Std Dev 0.9666



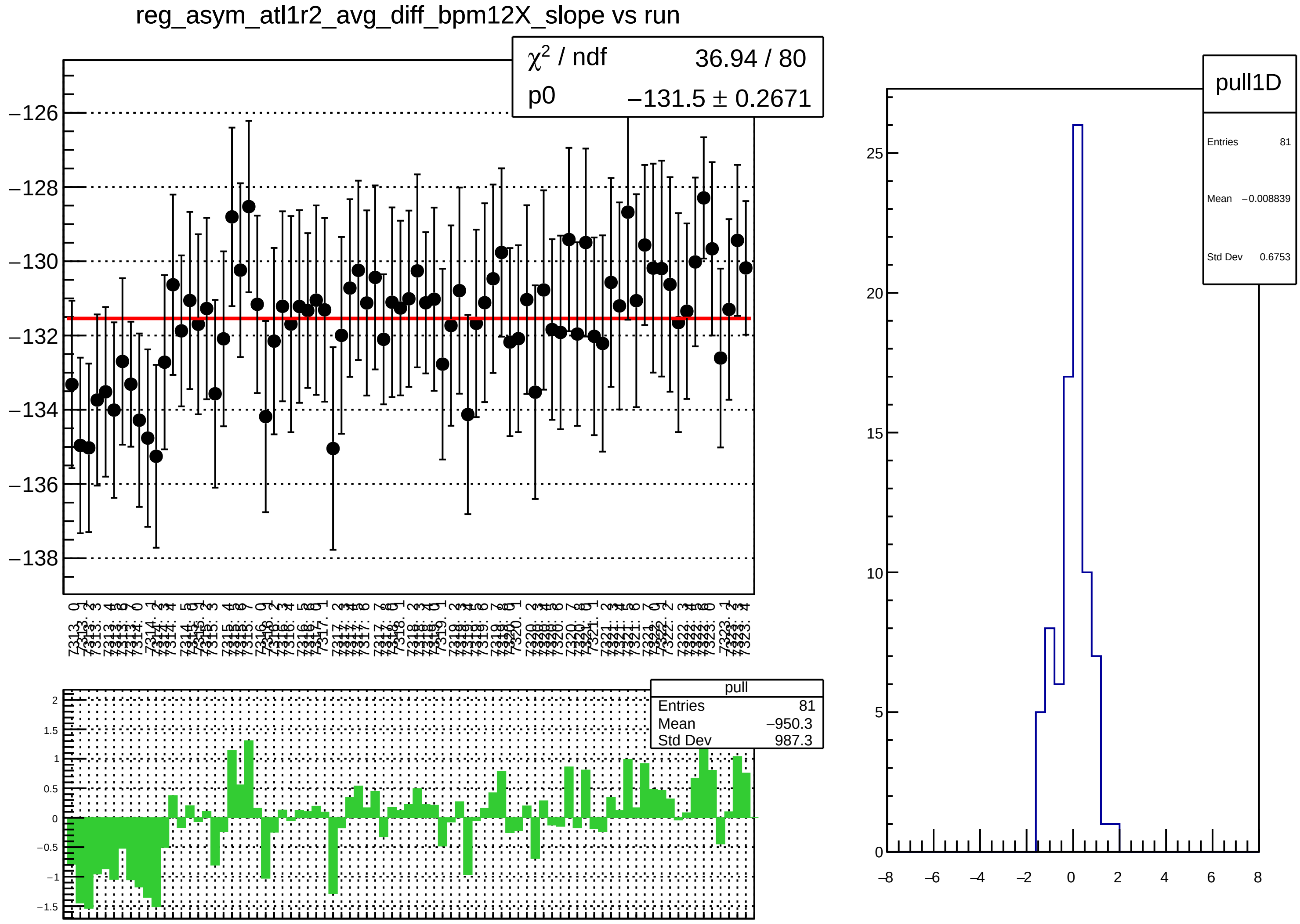
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 32.35 / 80
p0 −7.121 ± 5.755
pull
Entries 81
Mean 295.8
Std Dev 259.2
pull1D
Entries 81
Mean 0.03812
Std Dev 0.6308



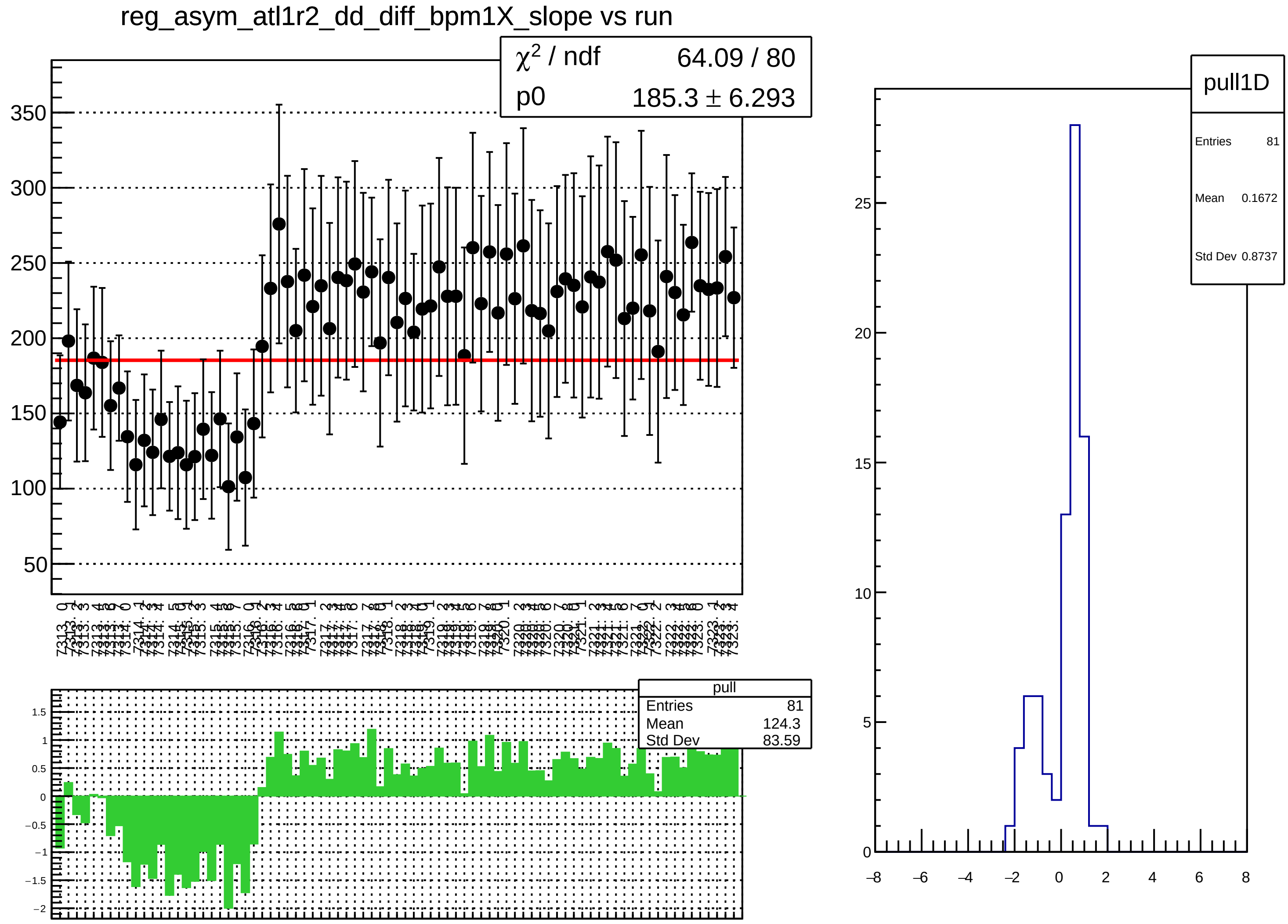
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 79.22 / 80
p0 245.5 ± 6.845
pull
Entries 81
Mean 127.8
Std Dev 86.97
pull1D
Entries 81
Mean 0.1877
Std Dev 0.971



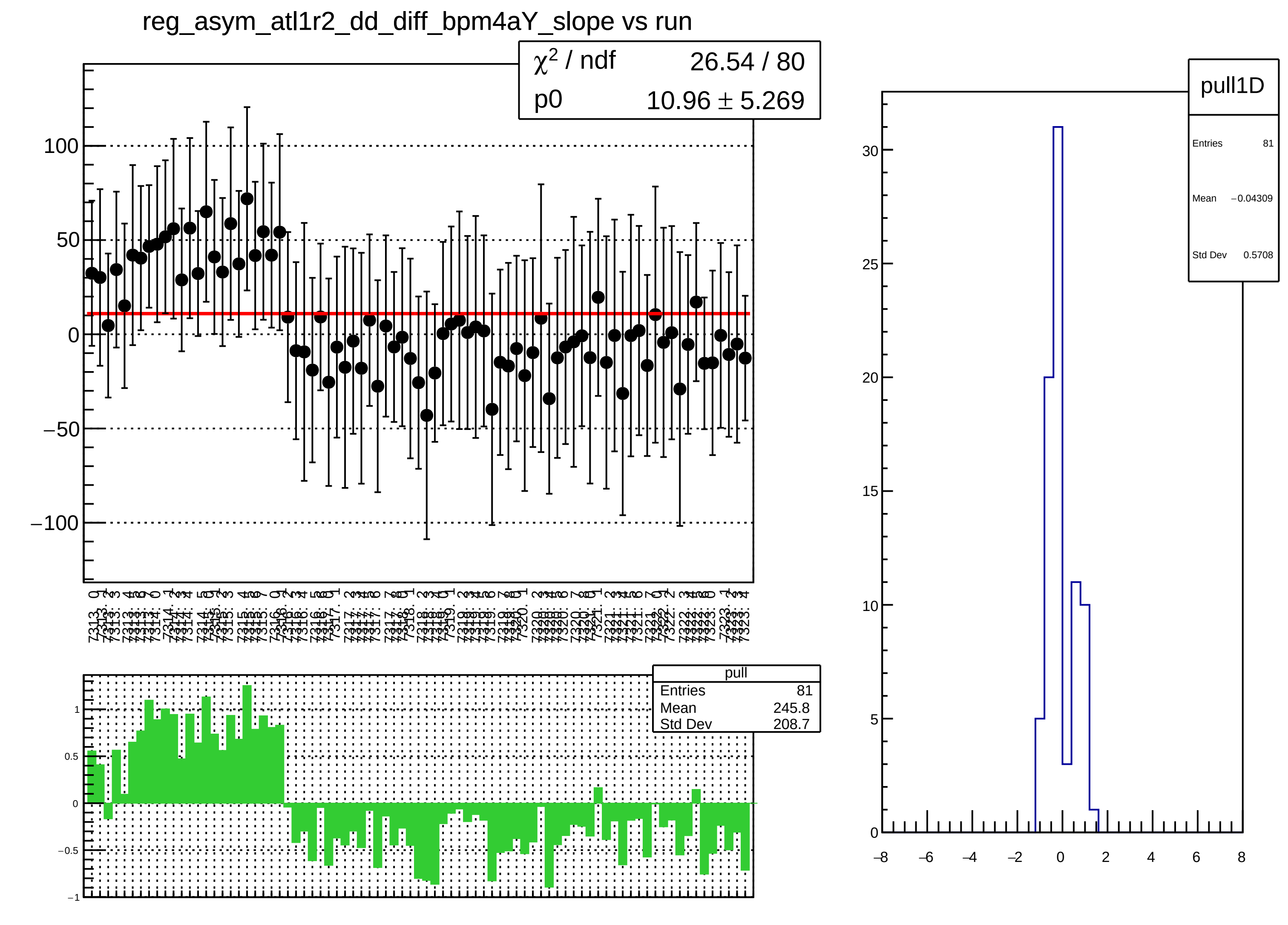
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 34.4 / 80
p0 69.53 ± 6.244
pull
Entries 81
Mean 260.4
Std Dev 223.6
pull1D
Entries 81
Mean −0.04545
Std Dev 0.6501



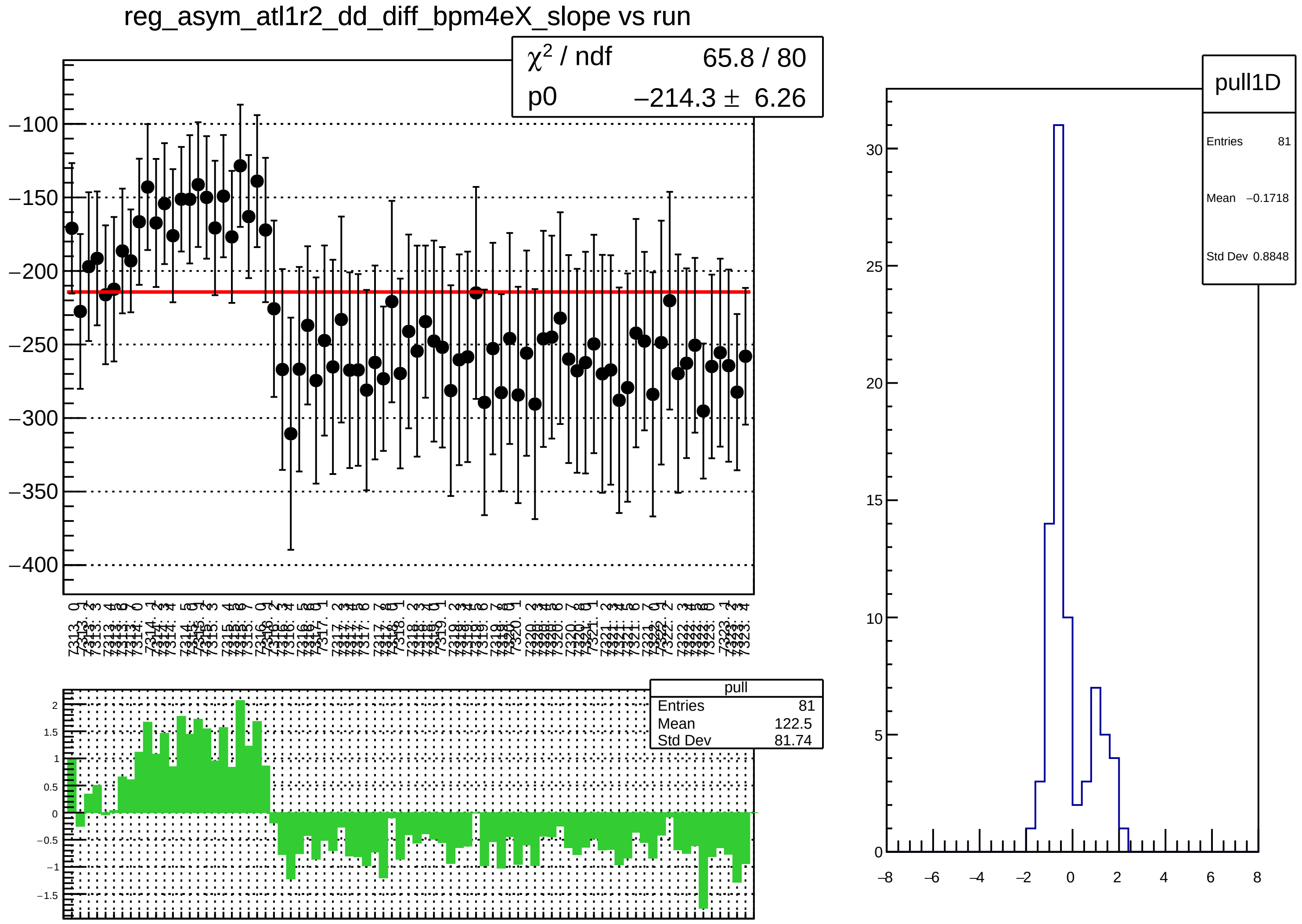
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 36.94 / 80
p0 −131.5 ± 0.2671
pull
Entries 81
Mean −950.3
Std Dev 987.3
pull1D
Entries 81
Mean −0.008839
Std Dev 0.6753



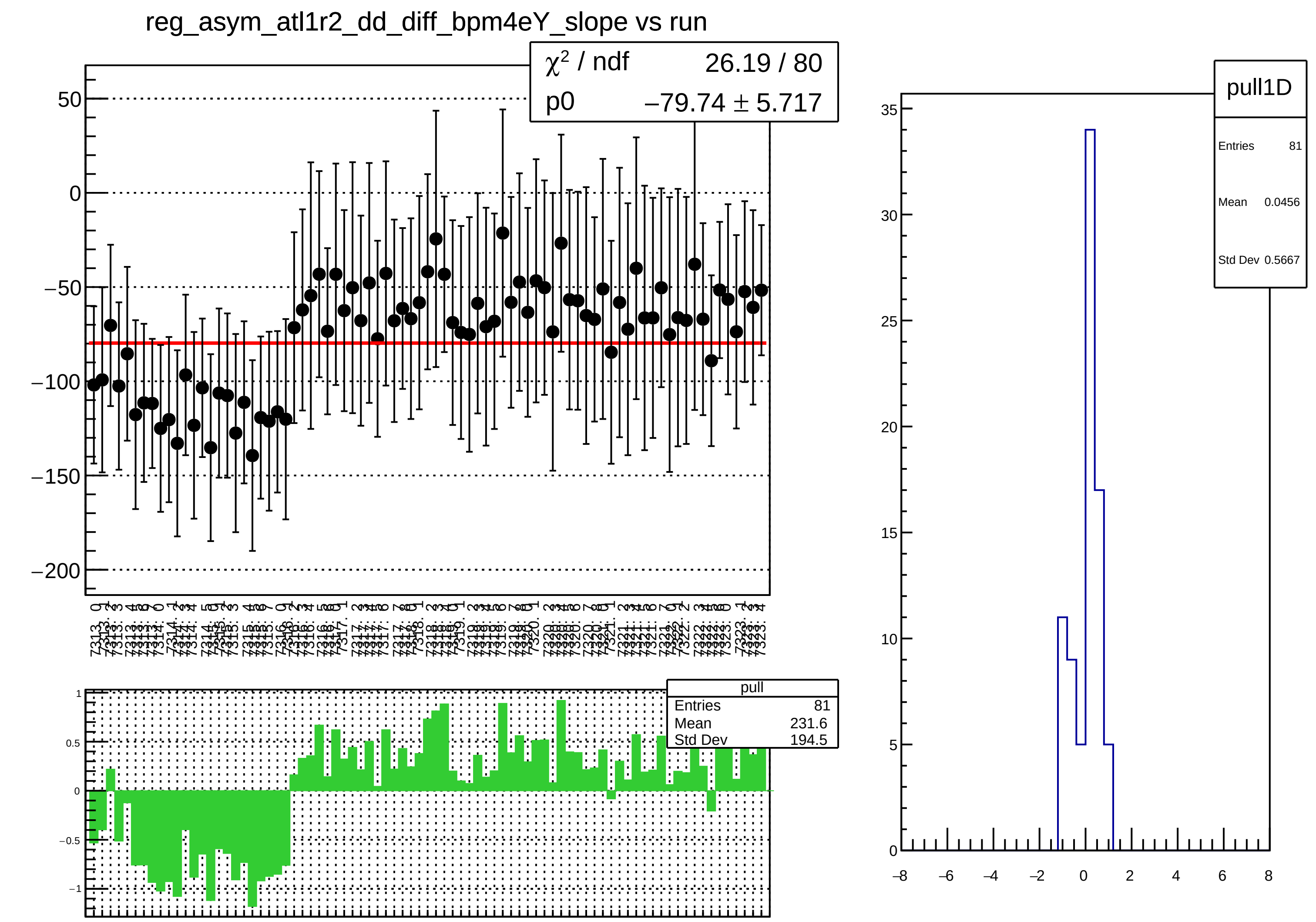
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 64.09 / 80
p0 185.3 ± 6.293
pull
Entries 81
Mean 124.3
Std Dev 83.59
pull1D
Entries 81
Mean 0.1672
Std Dev 0.8737



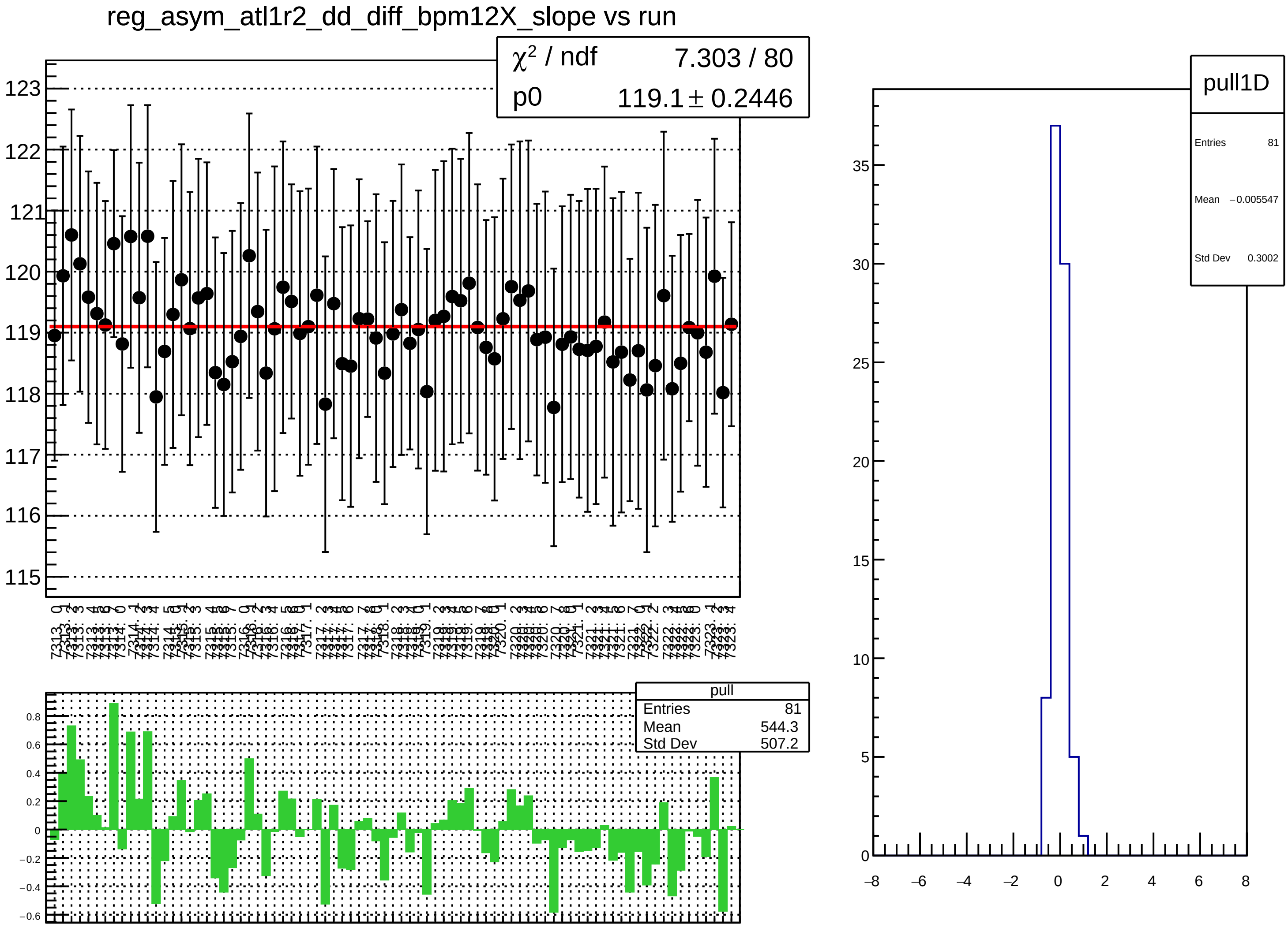
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.54 / 80
p0 10.96 ± 5.269
pull
Entries 81
Mean 245.8
Std Dev 208.7
pull1D
Entries 81
Mean −0.04309
Std Dev 0.5708



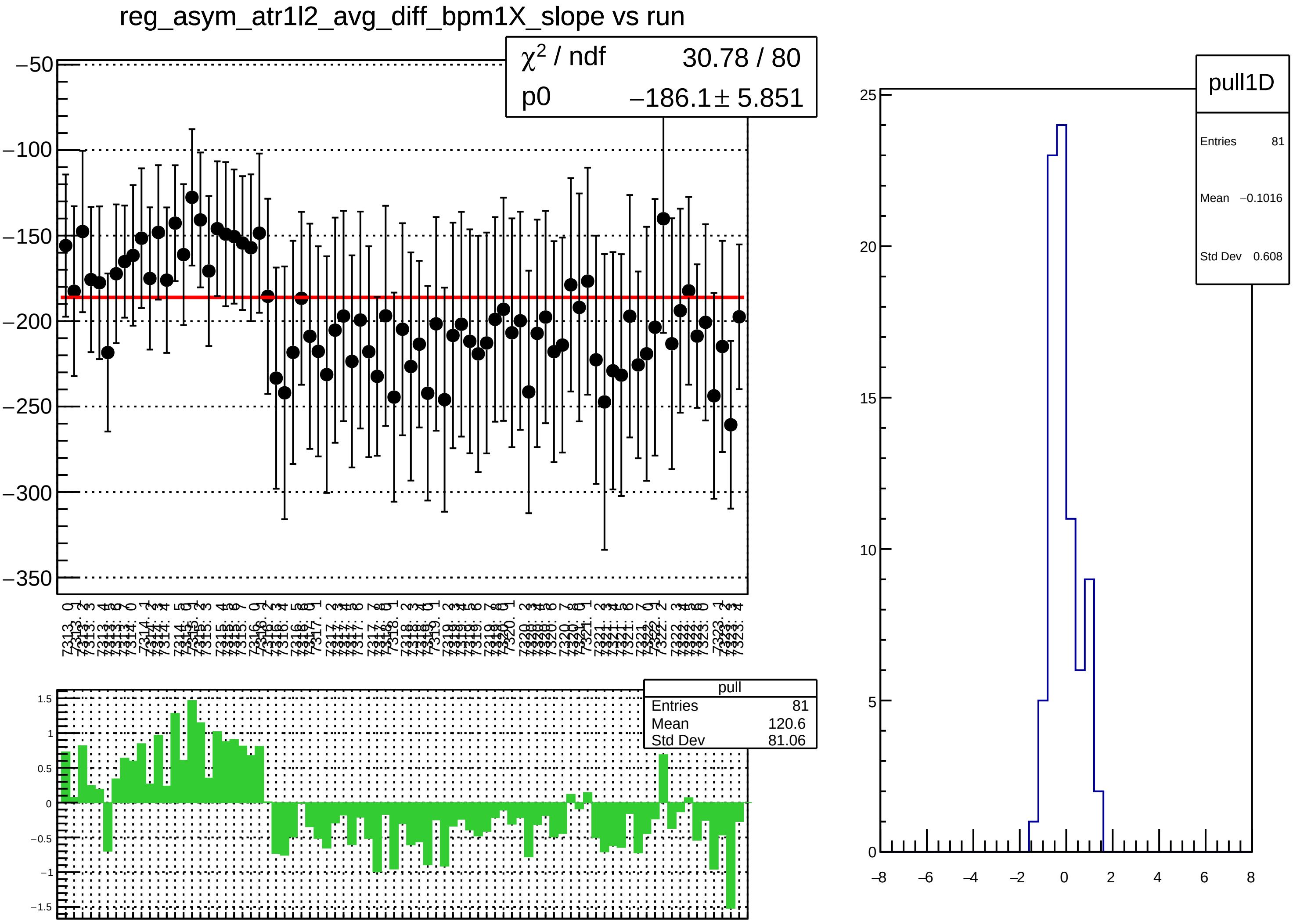
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 65.8 / 80
p0 −214.3 ± 6.26
pull
Entries 81
Mean 122.5
Std Dev 81.74
pull1D
Entries 81
Mean −0.1718
Std Dev 0.8848



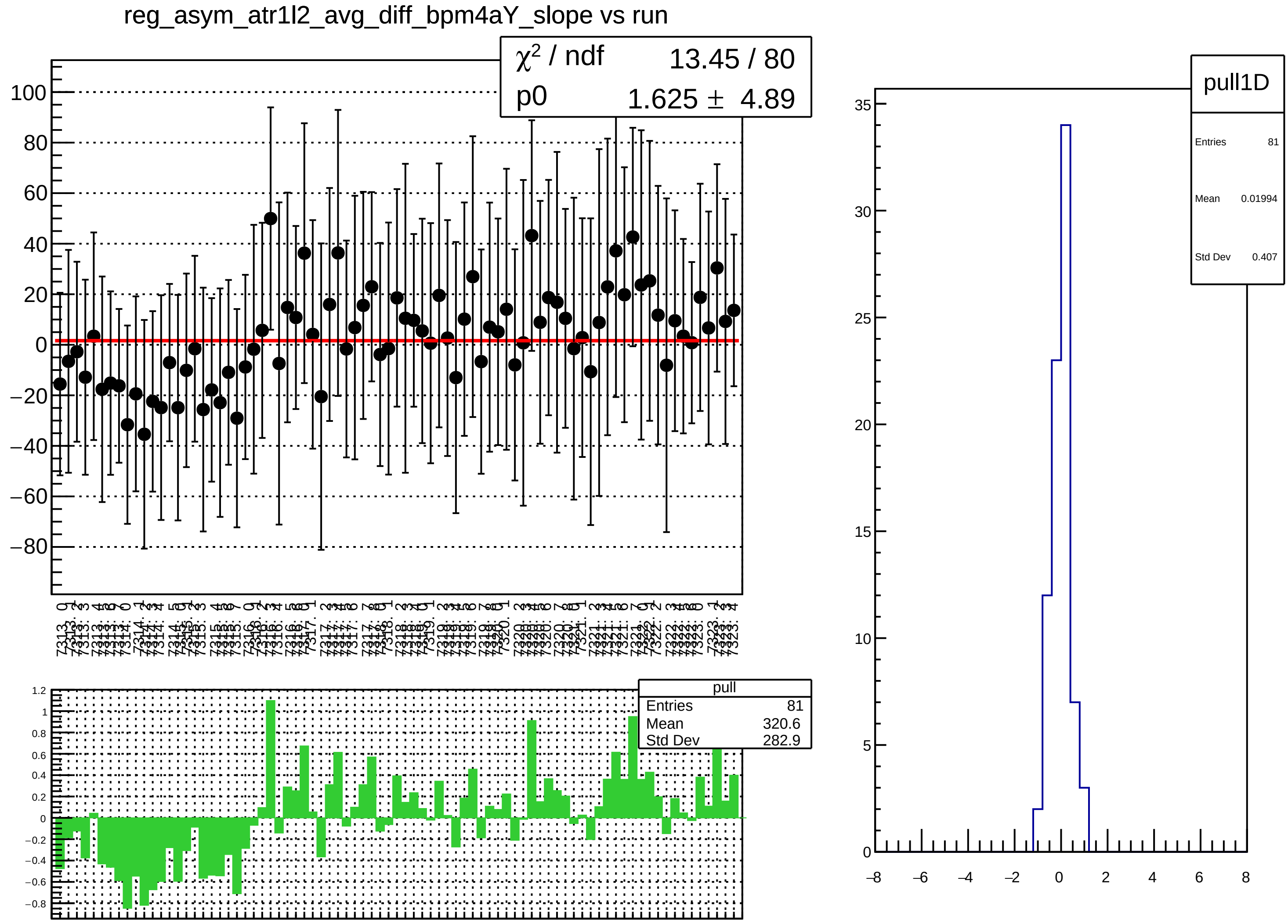
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 26.19 / 80
p0 −79.74 ± 5.717
pull
Entries 81
Mean 231.6
Std Dev 194.5
pull1D
Entries 81
Mean 0.0456
Std Dev 0.5667



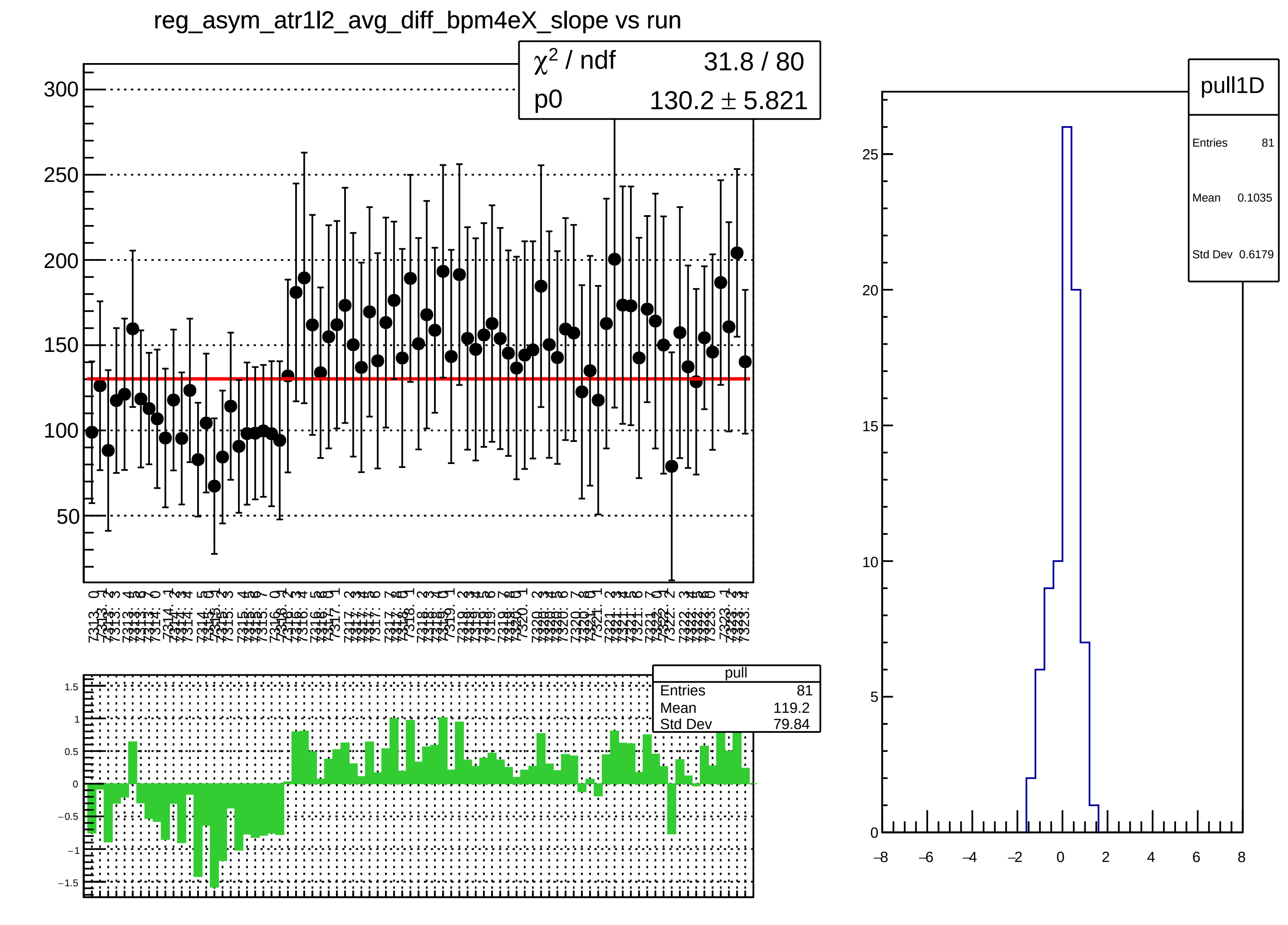
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.303 / 80
p0 119.1 ± 0.2446
pull
Entries 81
Mean 544.3
Std Dev 507.2
pull1D
Entries 81
Mean −0.005547
Std Dev 0.3002



reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 30.78 / 80
p0 −186.1 ± 5.851
pull
Entries 81
Mean 120.6
Std Dev 81.06
pull1D
Entries 81
Mean −0.1016
Std Dev 0.608

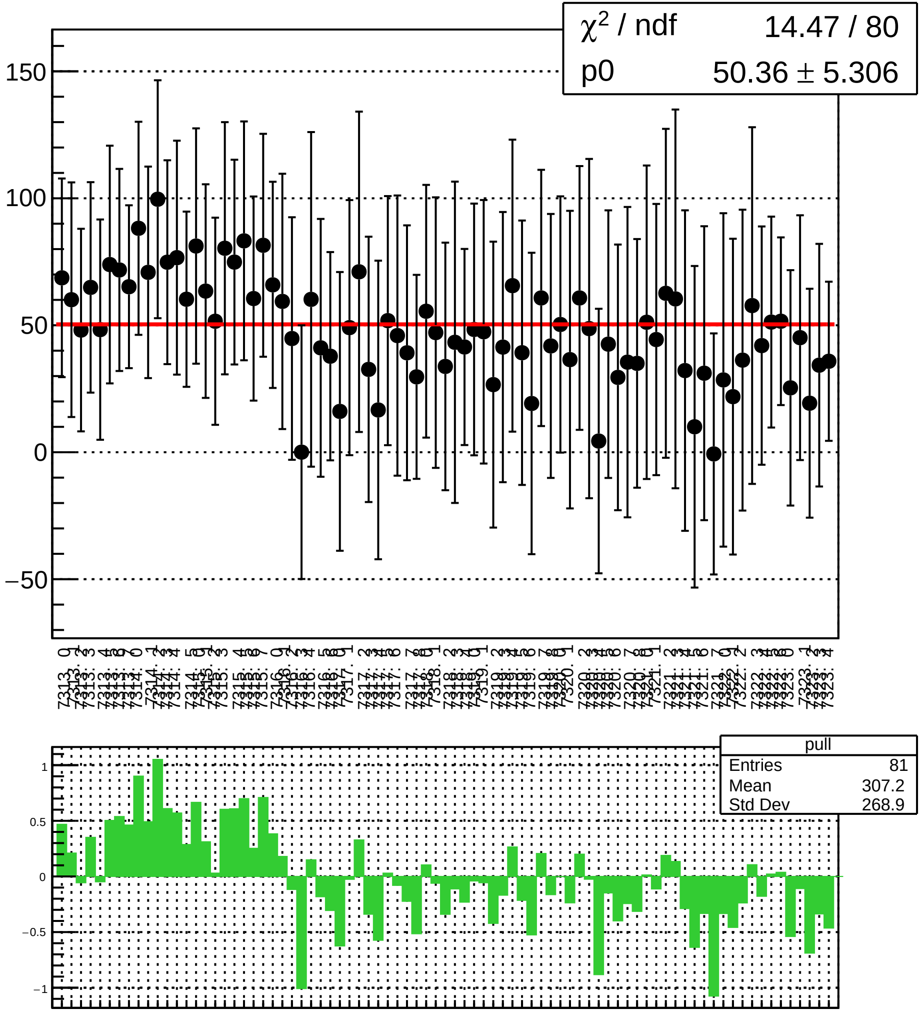


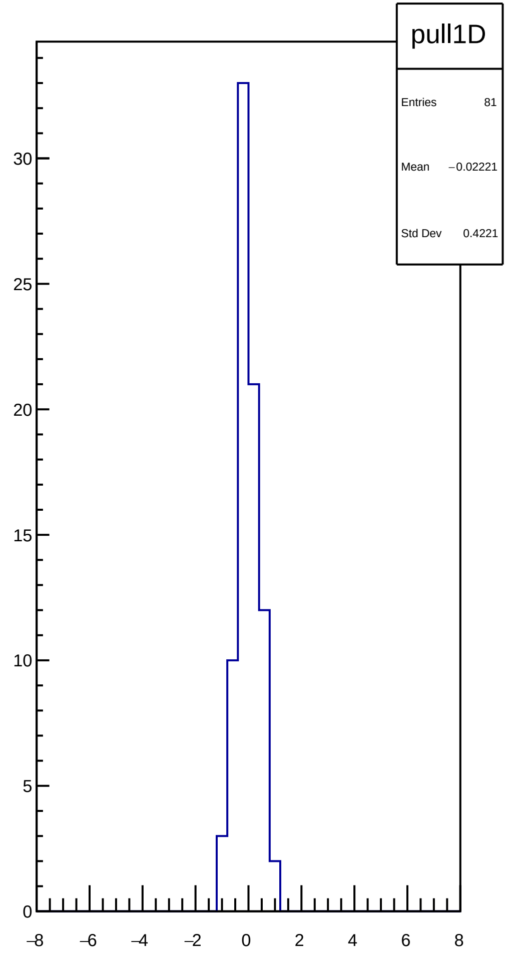
reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 13.45 / 80
p0 1.625 ± 4.89
pull
Entries 81
Mean 320.6
Std Dev 282.9
pull1D
Entries 81
Mean 0.01994
Std Dev 0.407

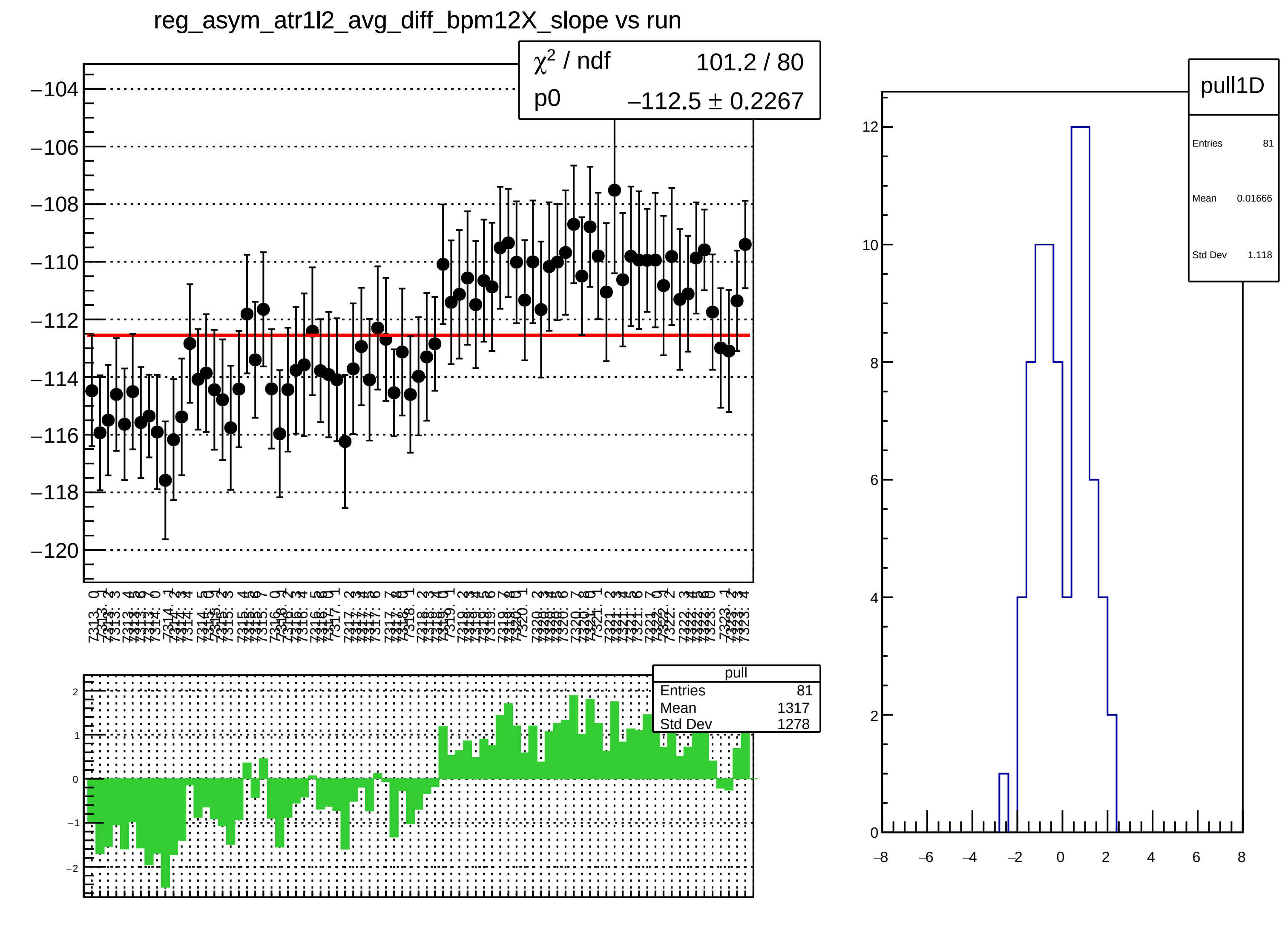


reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 31.8 / 80
p0 130.2 ± 5.821
pull
Entries 81
Mean 119.2
Std Dev 79.84
pull1D
Entries 81
Mean 0.1035
Std Dev 0.6179

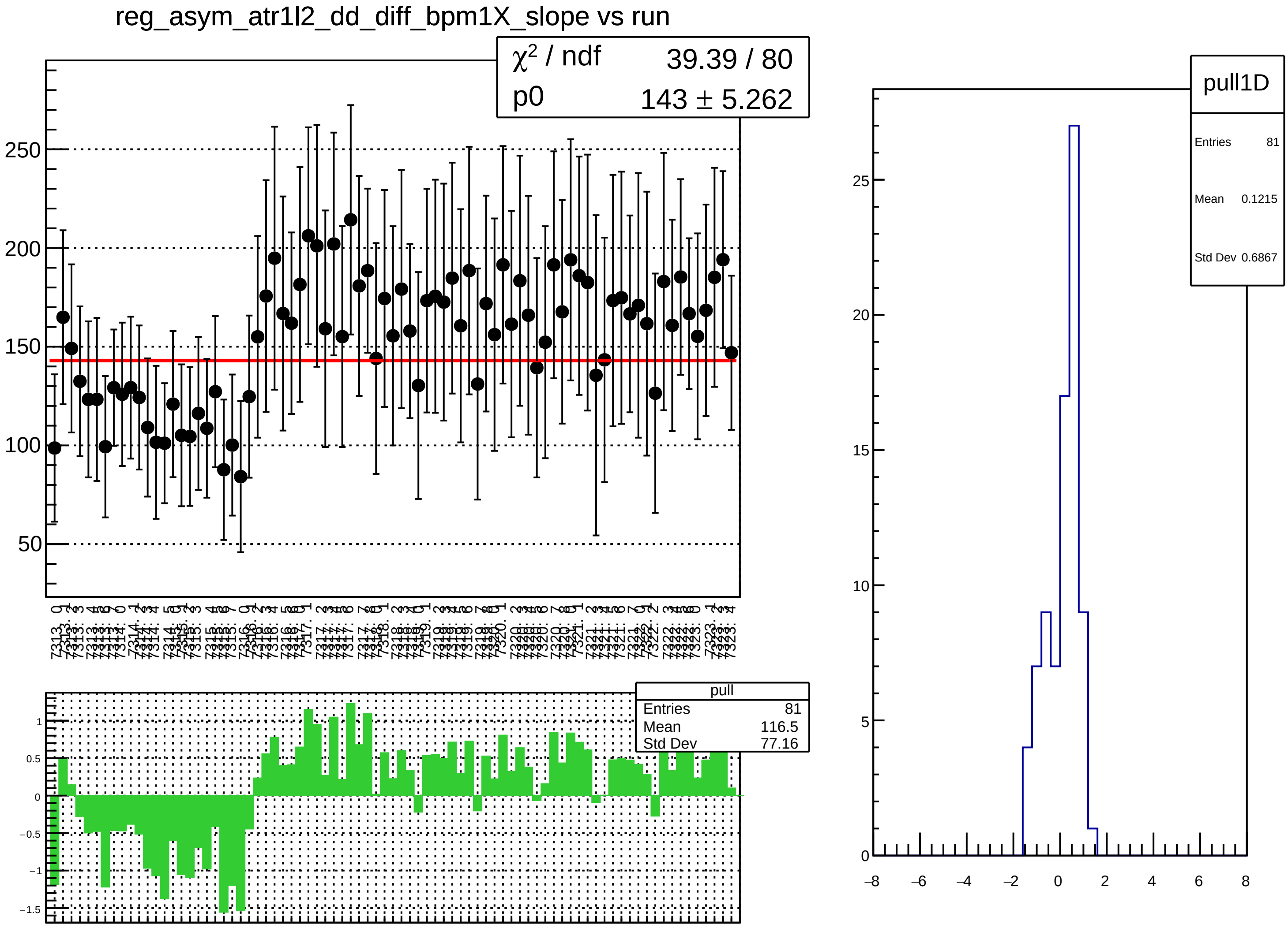
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run



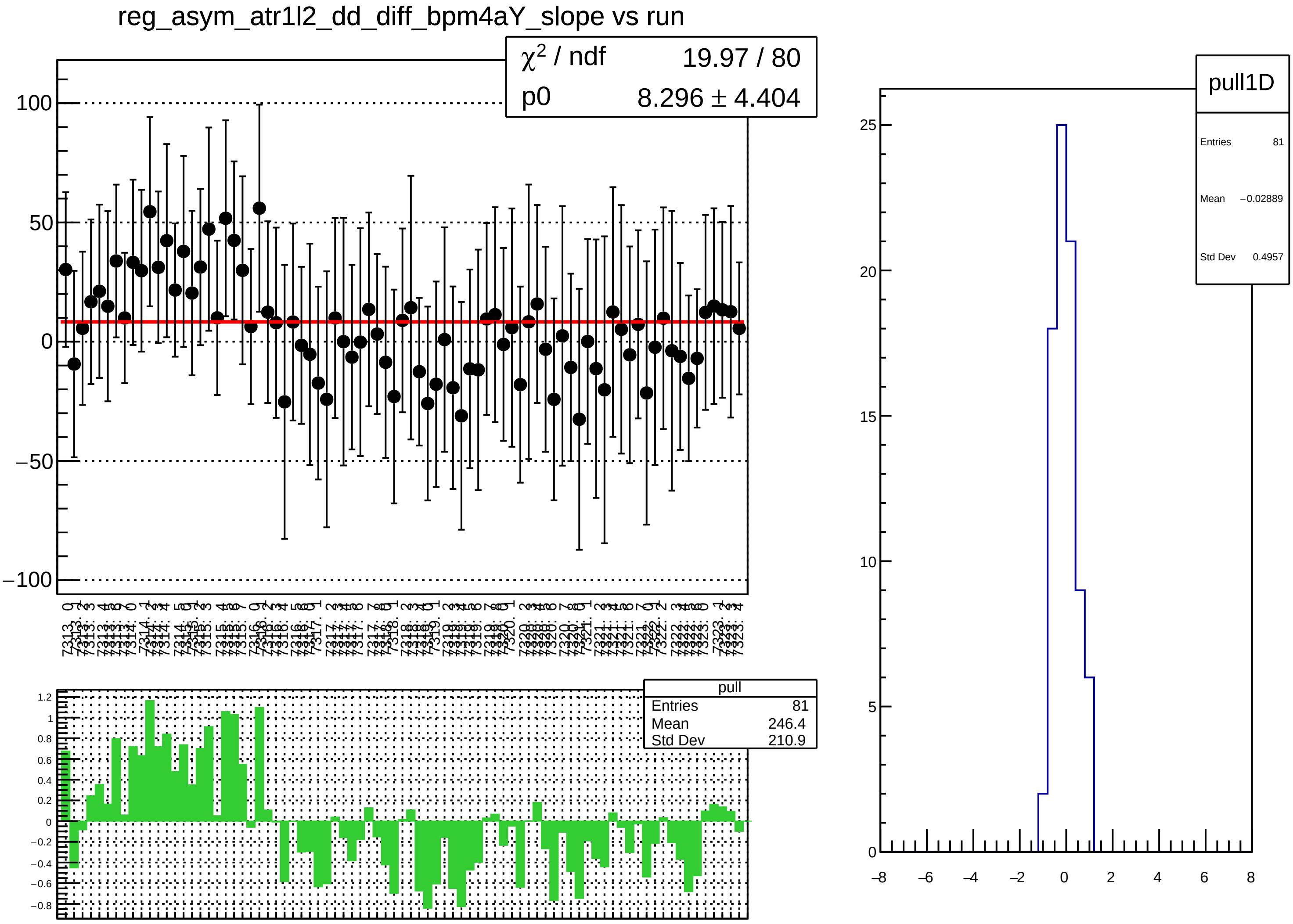




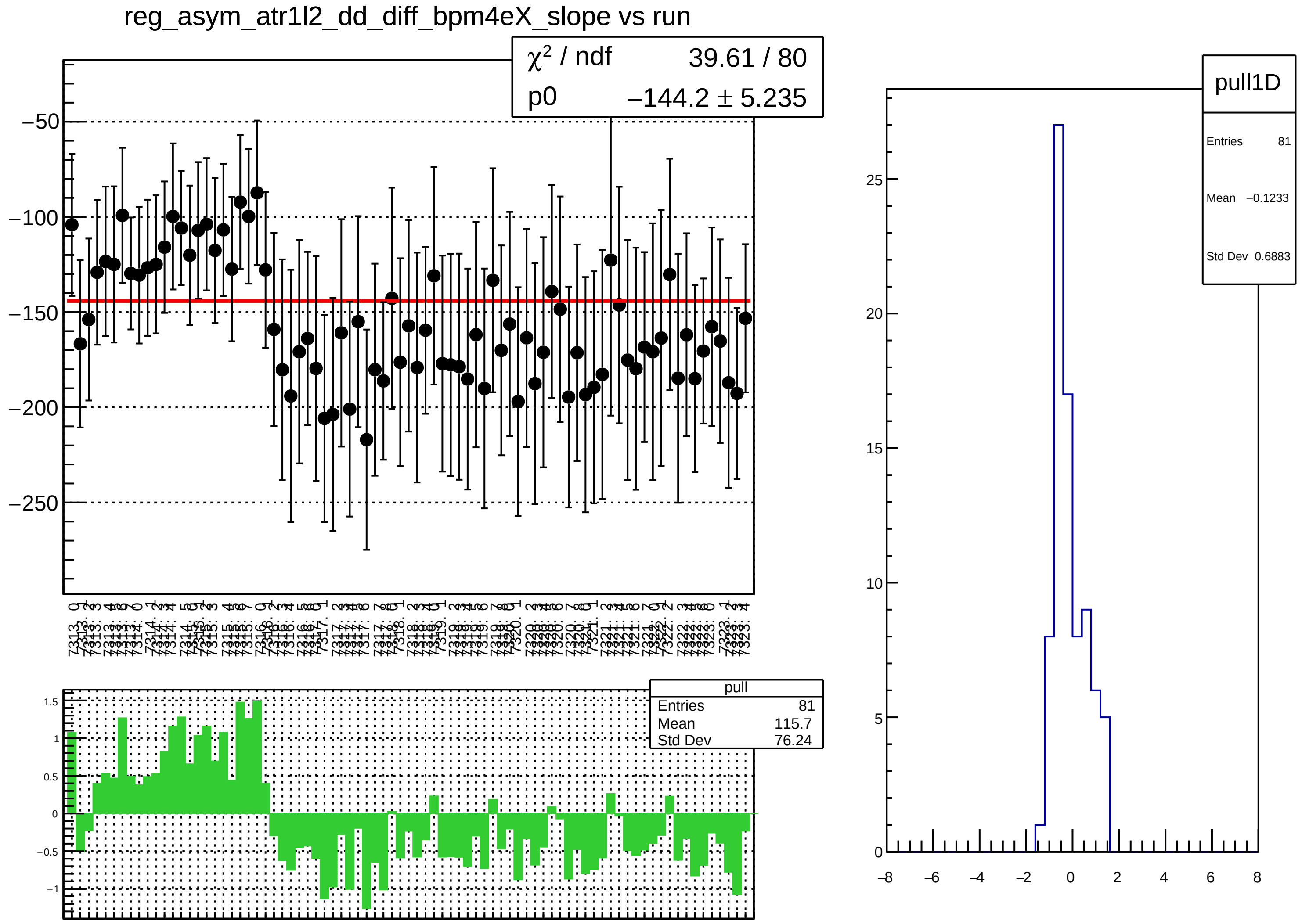
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ2 / ndf 101.2 / 80
p0 −112.5 ± 0.2267
pull
Entries 81
Mean 1317
Std Dev 1278
pull1D
Entries 81
Mean 0.01666
Std Dev 1.118



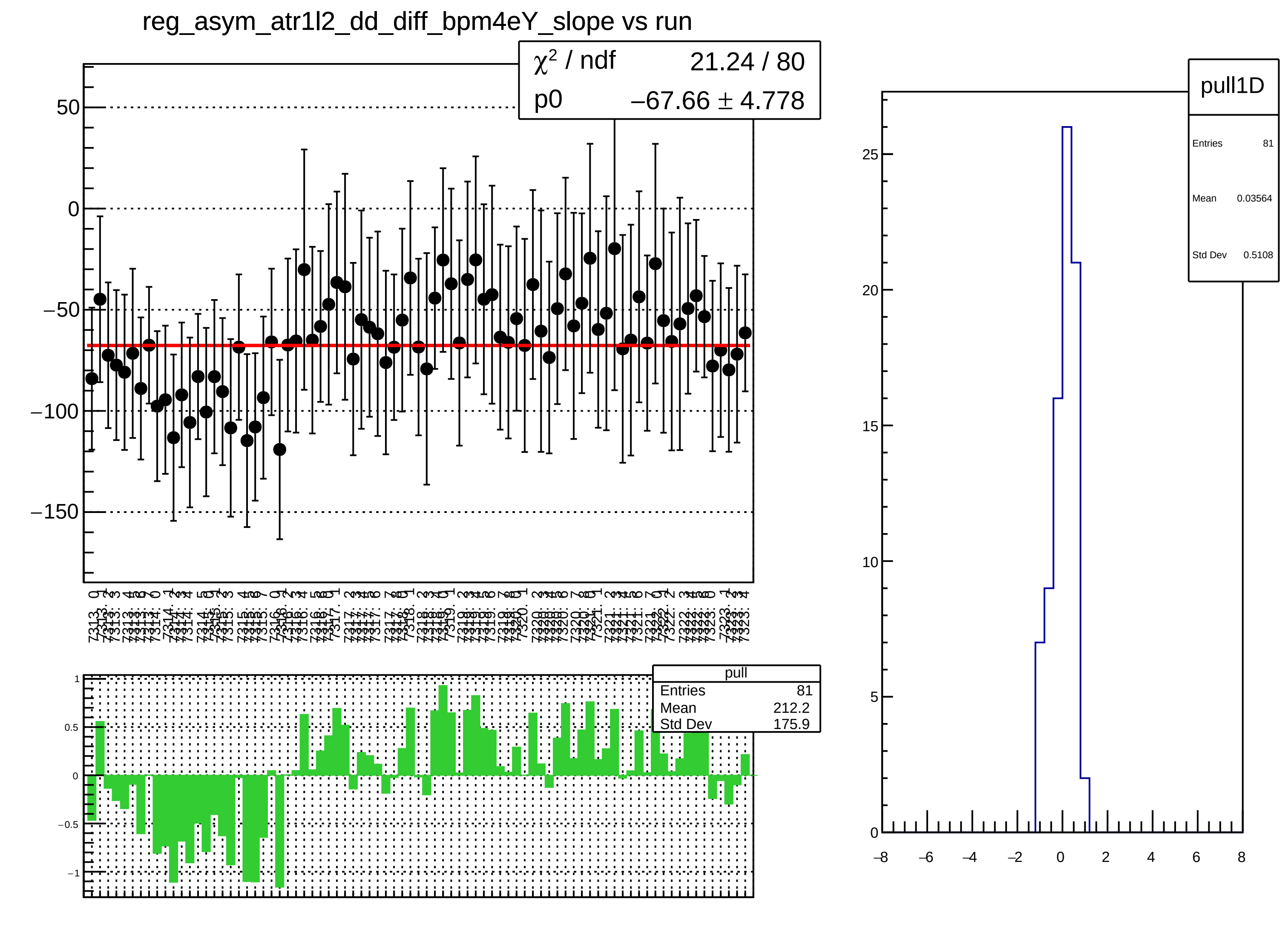
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 39.39 / 80
p0 143 ± 5.262
pull
Entries 81
Mean 116.5
Std Dev 77.16
pull1D
Entries 81
Mean 0.1215
Std Dev 0.6867



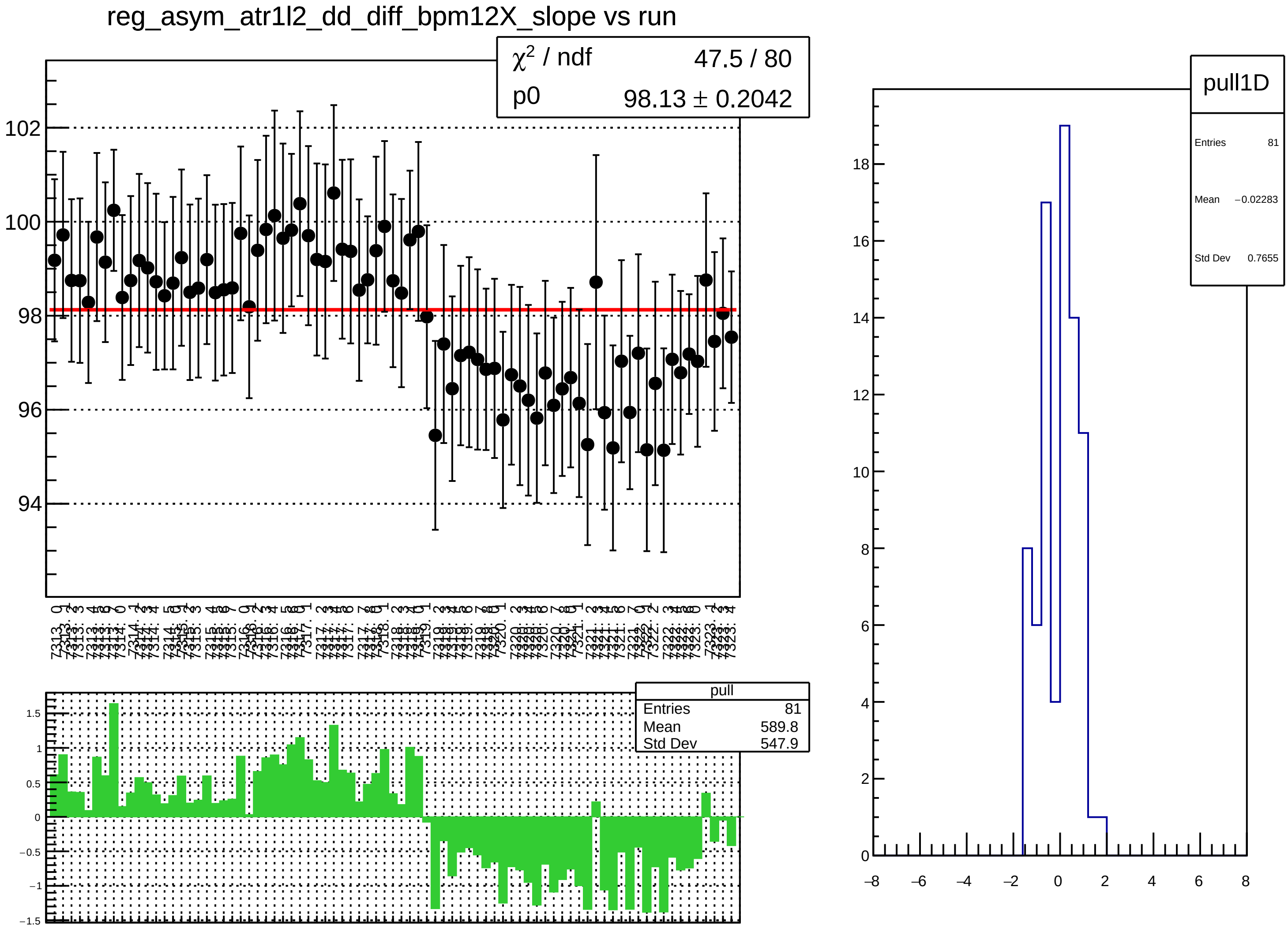
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 19.97 / 80
p0 8.296 ± 4.404
pull
Entries 81
Mean 246.4
Std Dev 210.9
pull1D
Entries 81
Mean −0.02889
Std Dev 0.4957

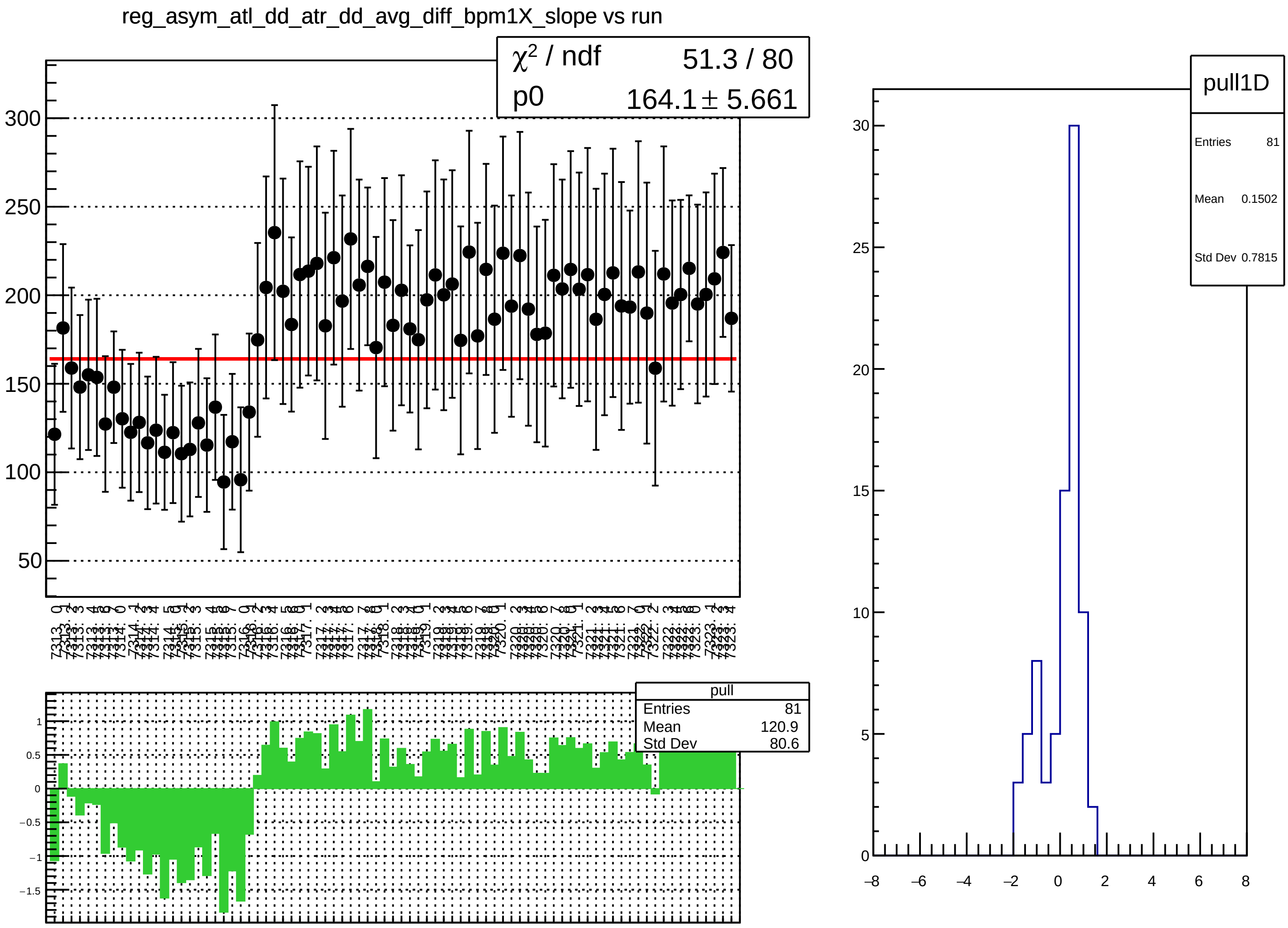


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 39.61 / 80
p0 −144.2 ± 5.235
−50
−100
−150
−200
−250
pull
Entries 81
Mean 115.7
Std Dev 76.24
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean −0.1233
Std Dev 0.6883
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

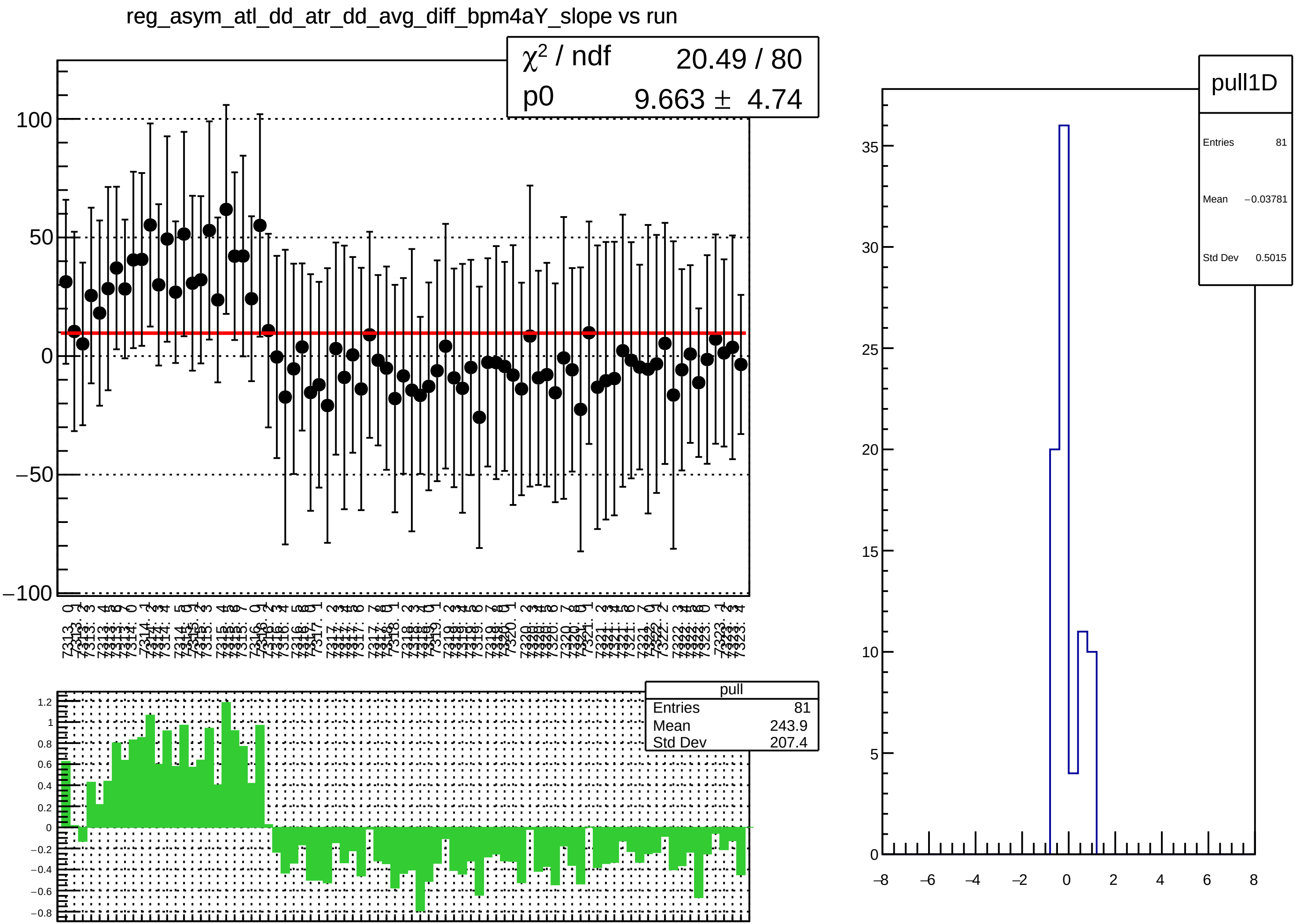


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 21.24 / 80
p0 −67.66 ± 4.778
50
0
−50
−100
−150
pull
Entries 81
Mean 212.2
Std Dev 175.9
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.03564
Std Dev 0.5108
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

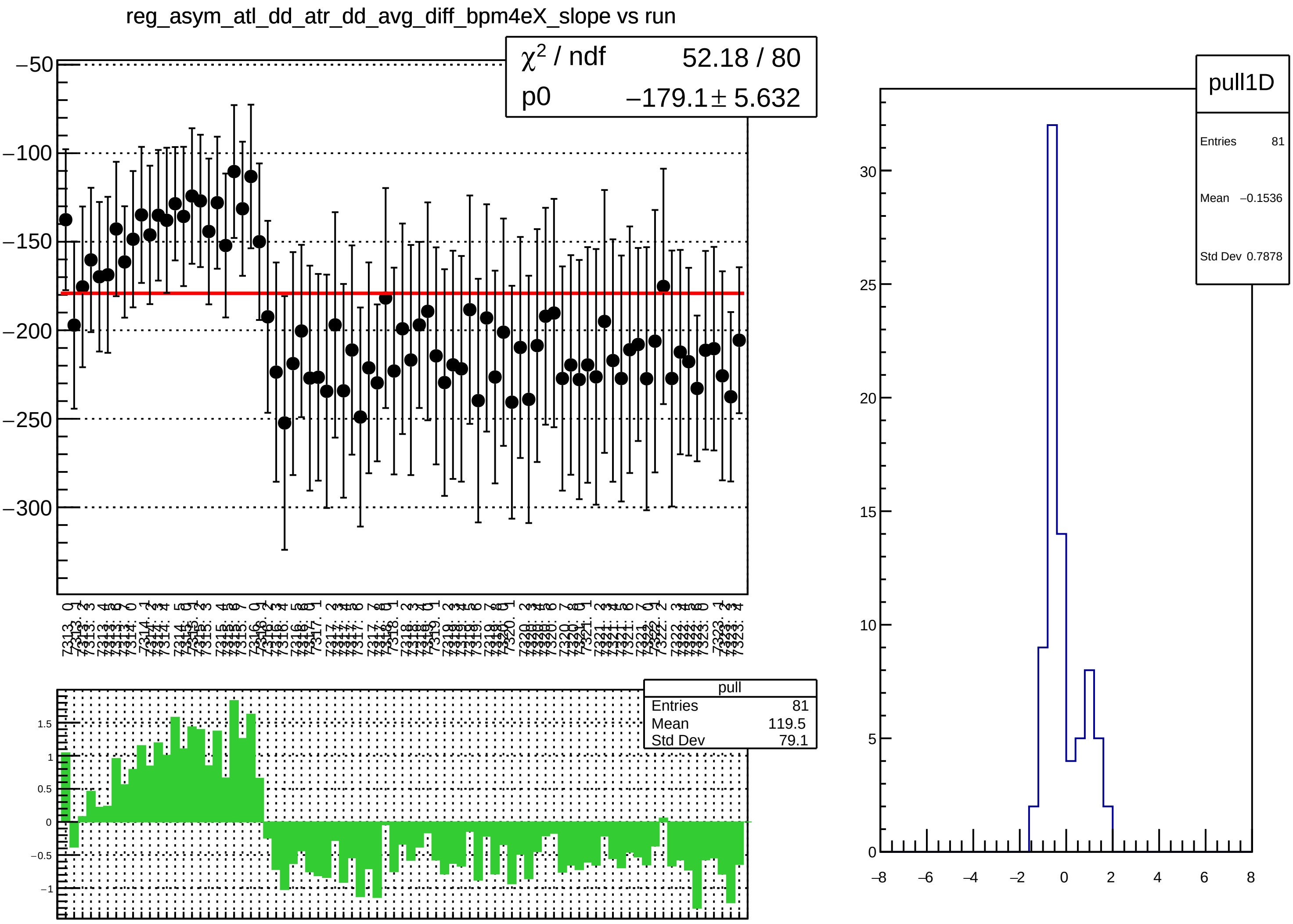

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ2 / ndf 47.5 / 80
p0 98.13 ± 0.2042
pull
Entries 81
Mean 589.8
Std Dev 547.9
pull1D
Entries 81
Mean −0.02283
Std Dev 0.7655



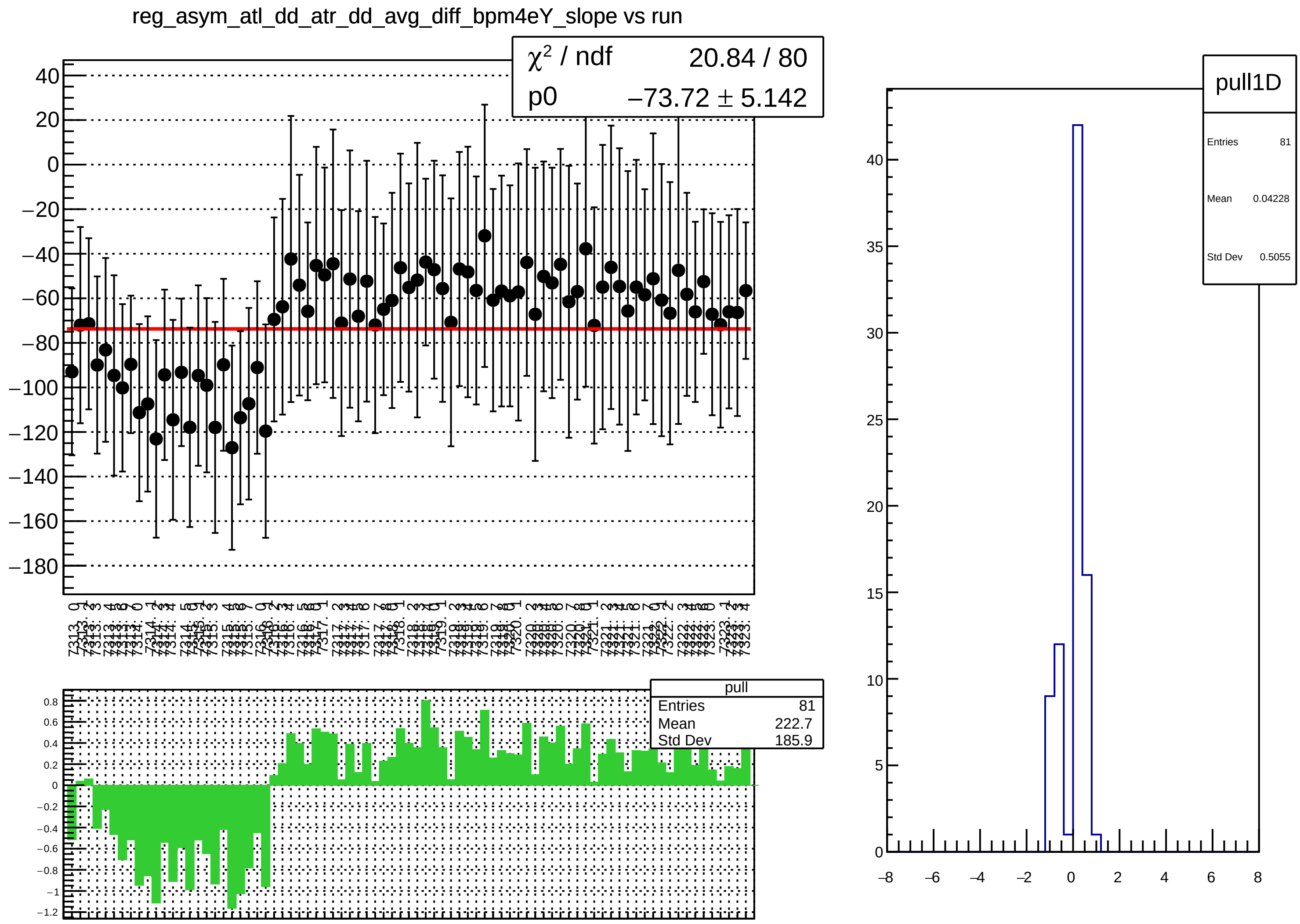
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ2 / ndf 51.3 / 80
p0 164.1 ± 5.661
300
250
200
150
100
50
pull
Entries 81
Mean 120.9
Std Dev 80.6
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean 0.1502
Std Dev 0.7815
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



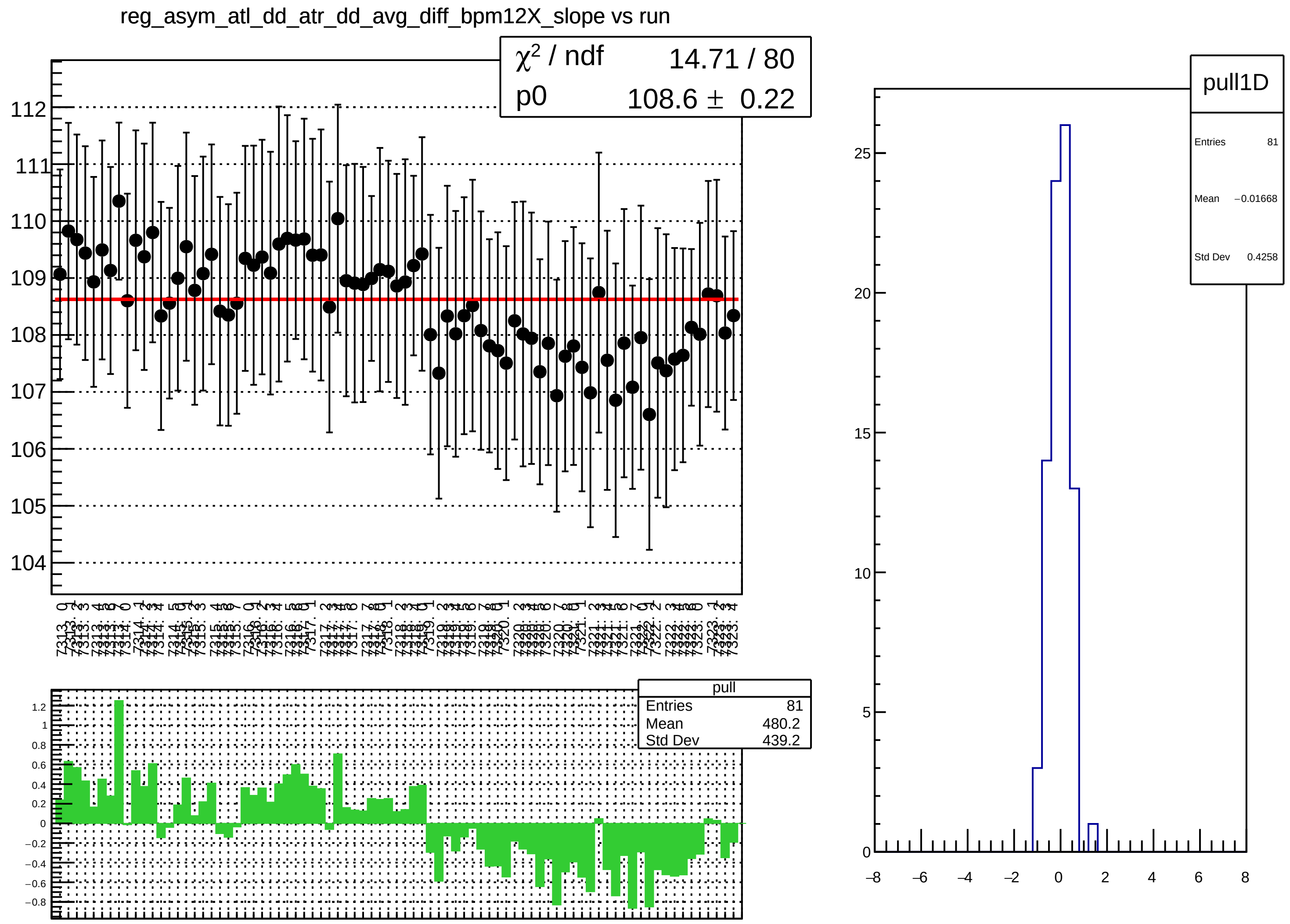
reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 20.49 / 80
p0 9.663 ± 4.74
pull
Entries 81
Mean 243.9
Std Dev 207.4
pull1D
Entries 81
Mean −0.03781
Std Dev 0.5015



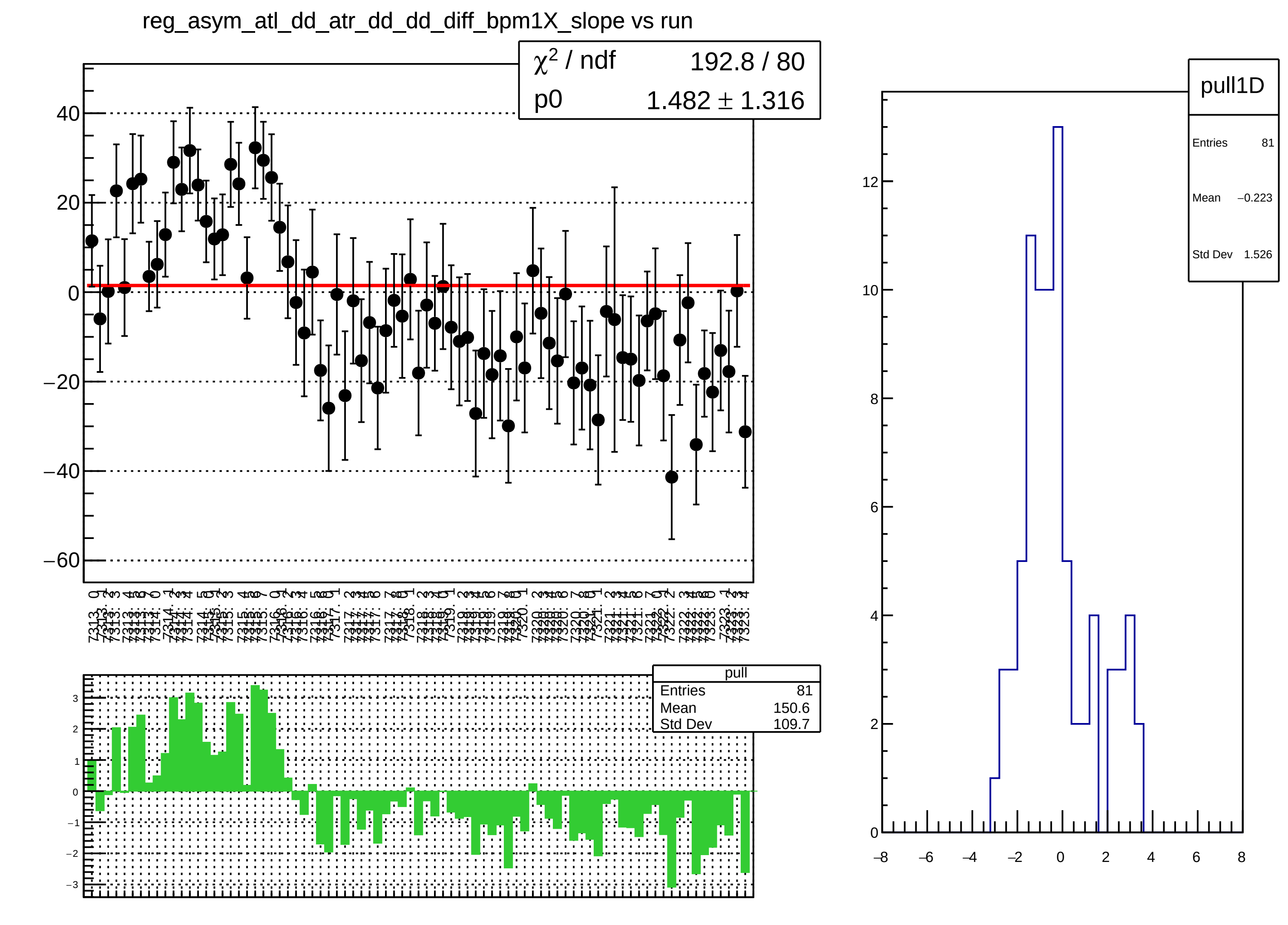
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ2 / ndf 52.18 / 80
p0 −179.1 ± 5.632
pull
Entries 81
Mean 119.5
Std Dev 79.1
pull1D
Entries 81
Mean −0.1536
Std Dev 0.7878



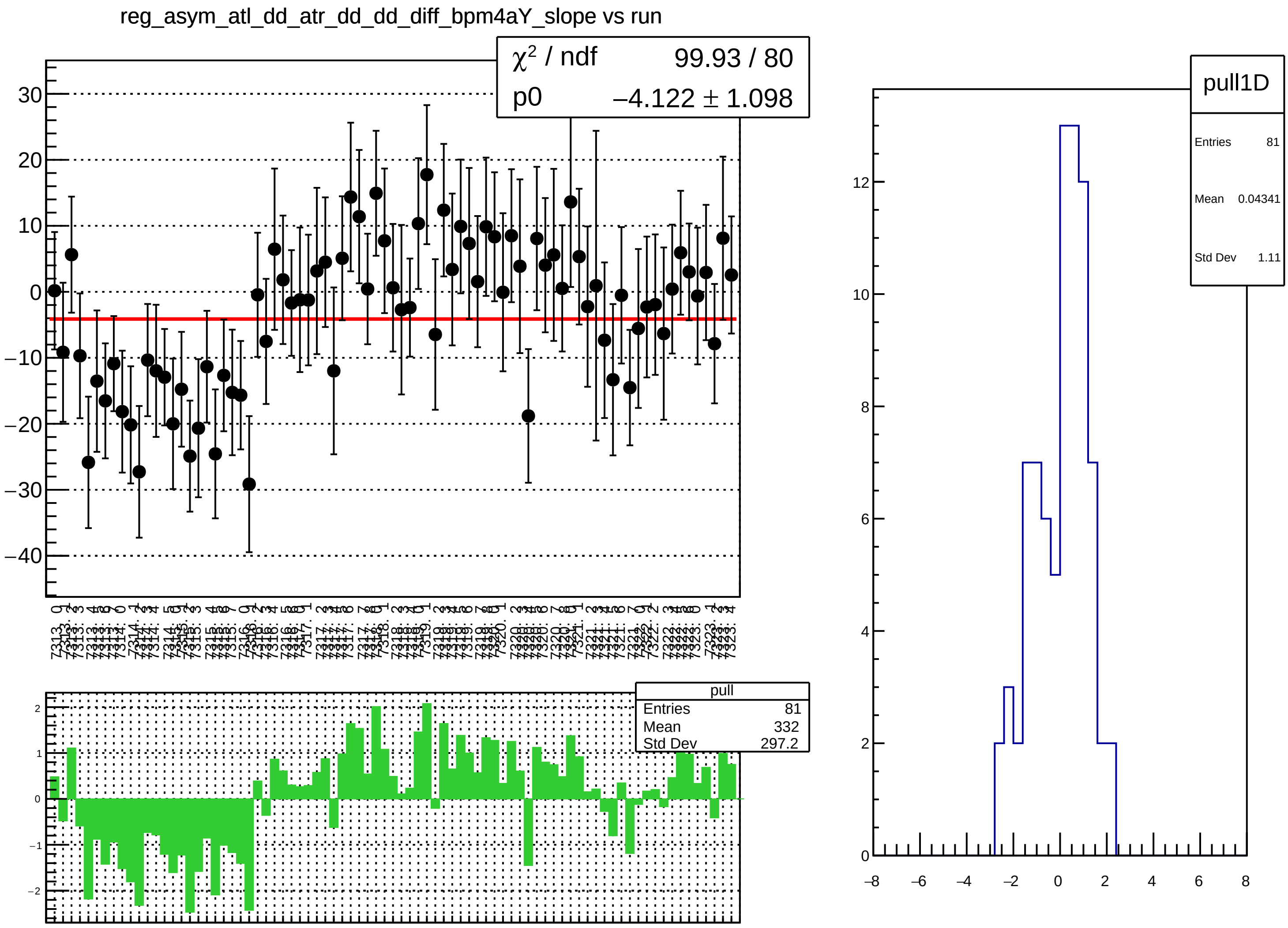
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 20.84 / 80
p0 −73.72 ± 5.142
pull
Entries 81
Mean 222.7
Std Dev 185.9
pull1D
Entries 81
Mean 0.04228
Std Dev 0.5055



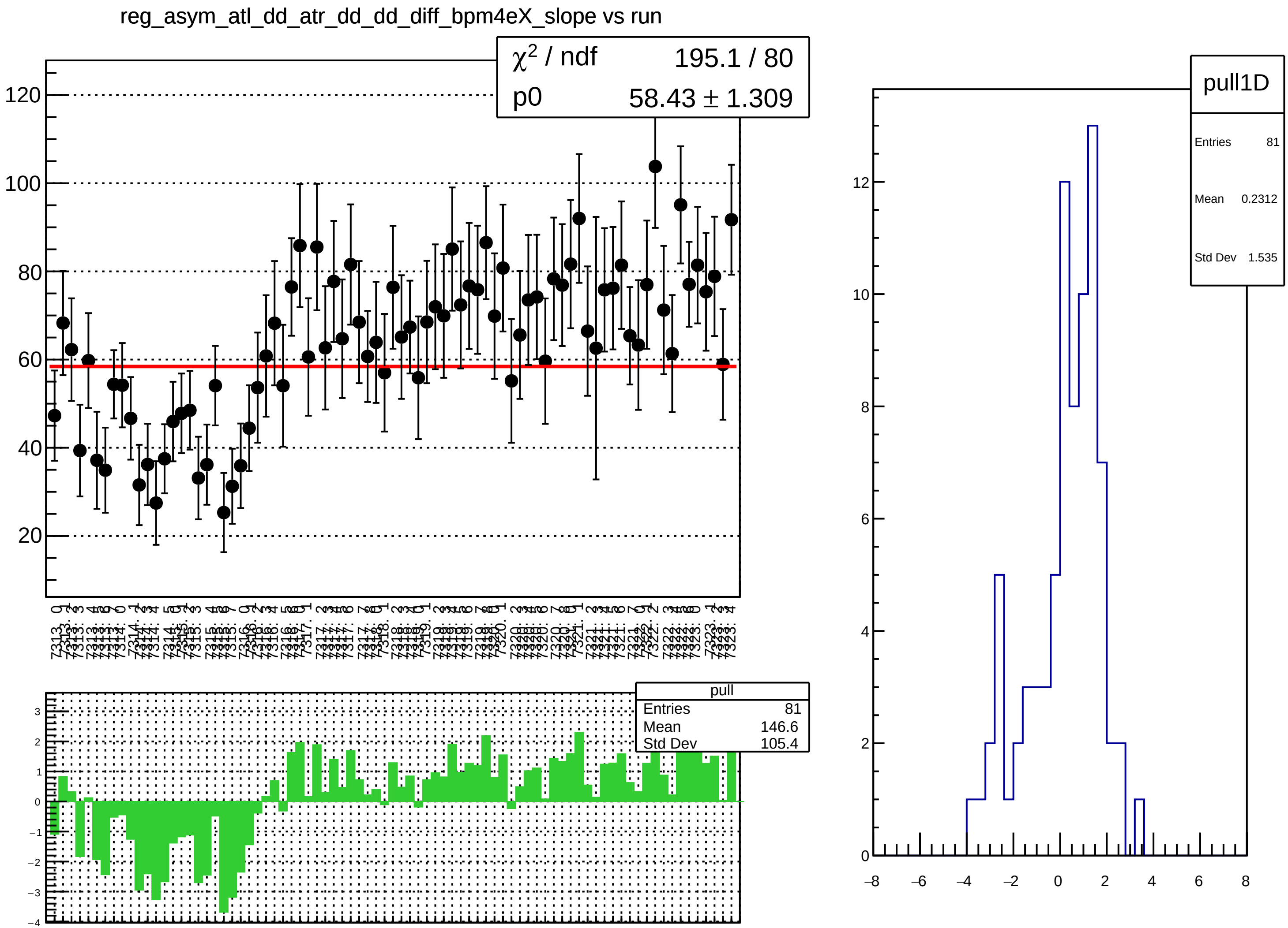
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 14.71 / 80
p0 108.6 ± 0.22
pull
Entries 81
Mean 480.2
Std Dev 439.2
pull1D
Entries 81
Mean −0.01668
Std Dev 0.4258



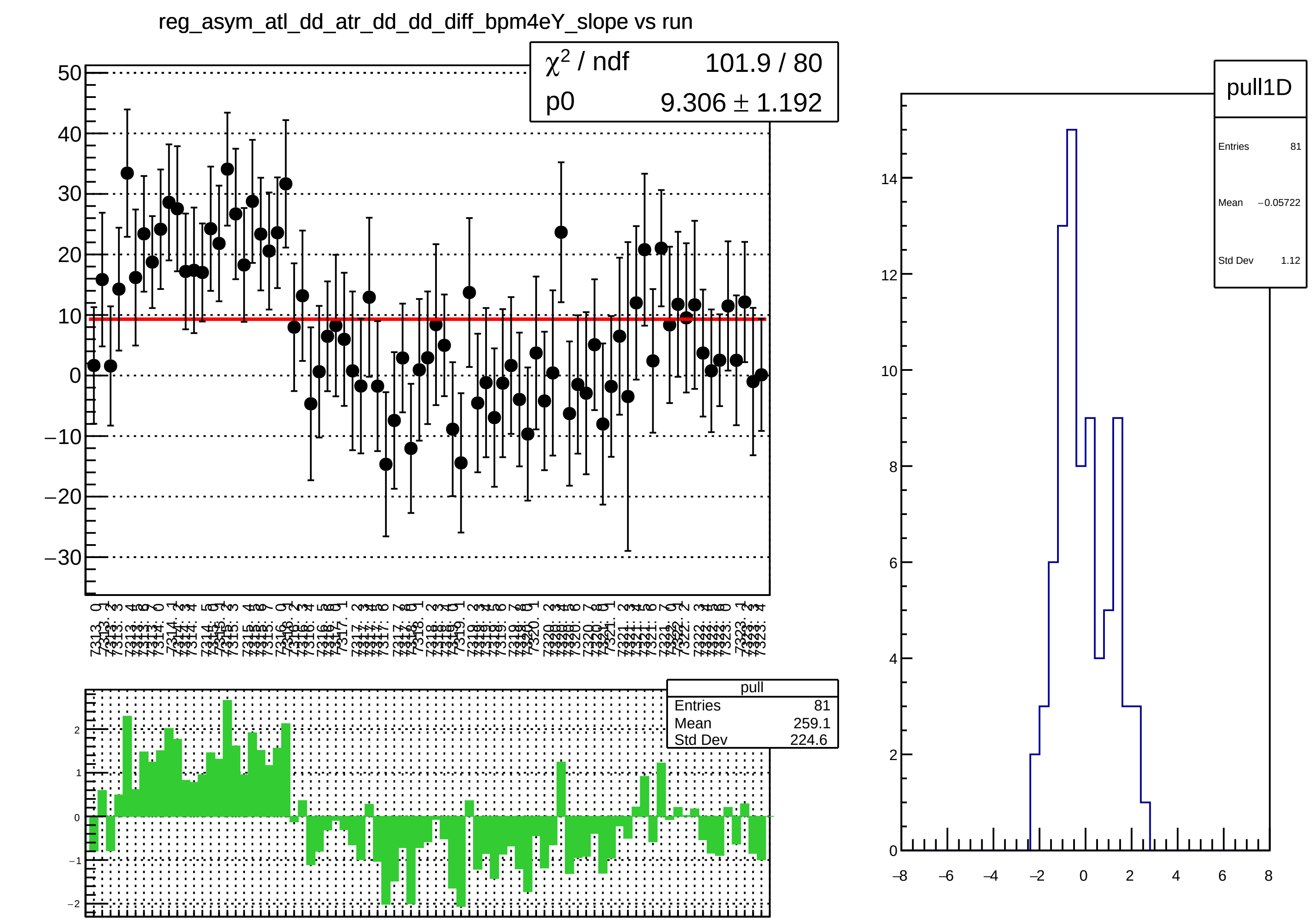
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ2 / ndf 192.8 / 80
p0 1.482 ± 1.316
40
20
0
−20
−40
−60
pull
Entries 81
Mean 150.6
Std Dev 109.7
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.223
Std Dev 1.526
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



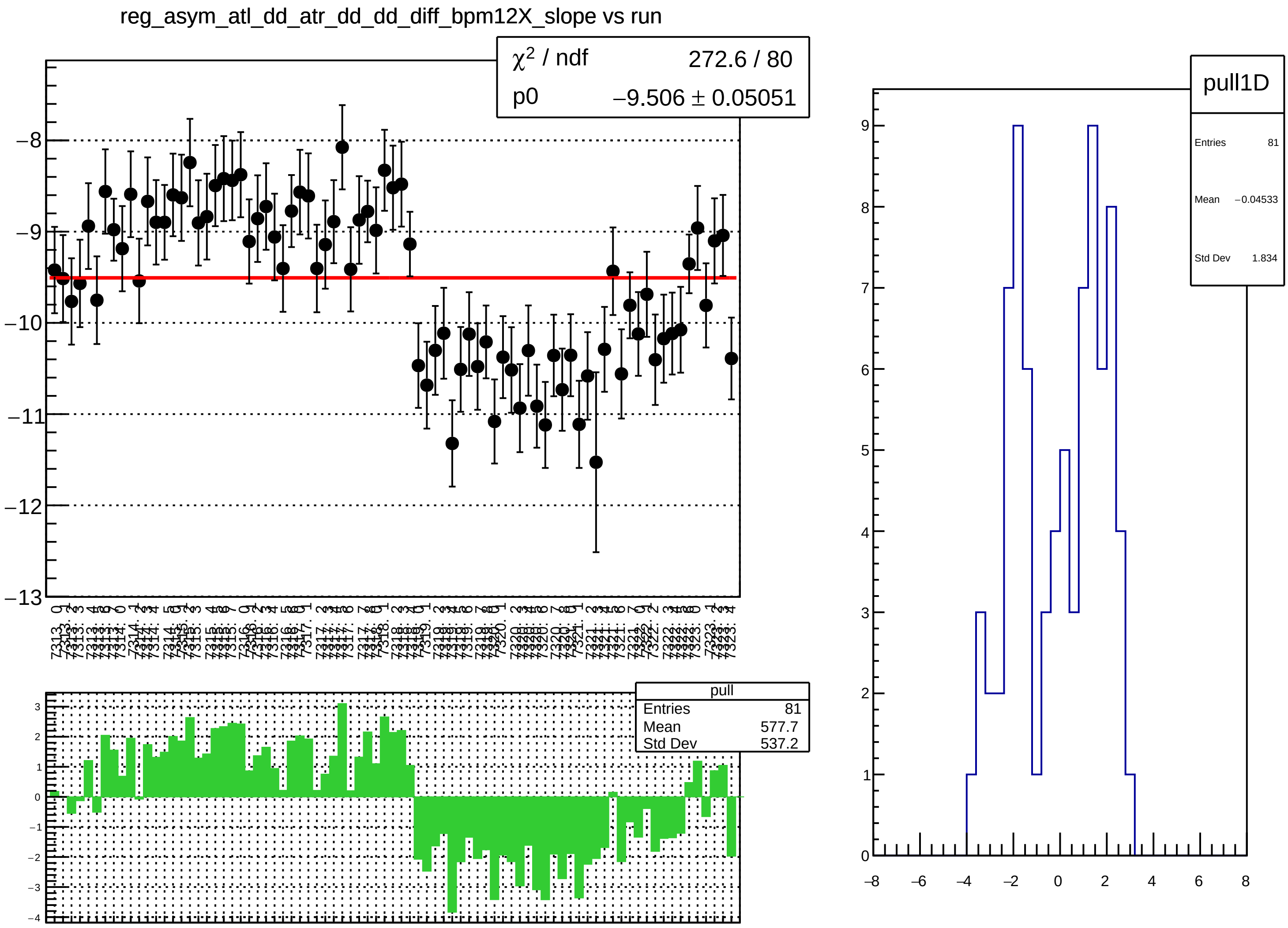
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 99.93 / 80
p0 −4.122 ± 1.098
pull
Entries 81
Mean 332
Std Dev 297.2
pull1D
Entries 81
Mean 0.04341
Std Dev 1.11



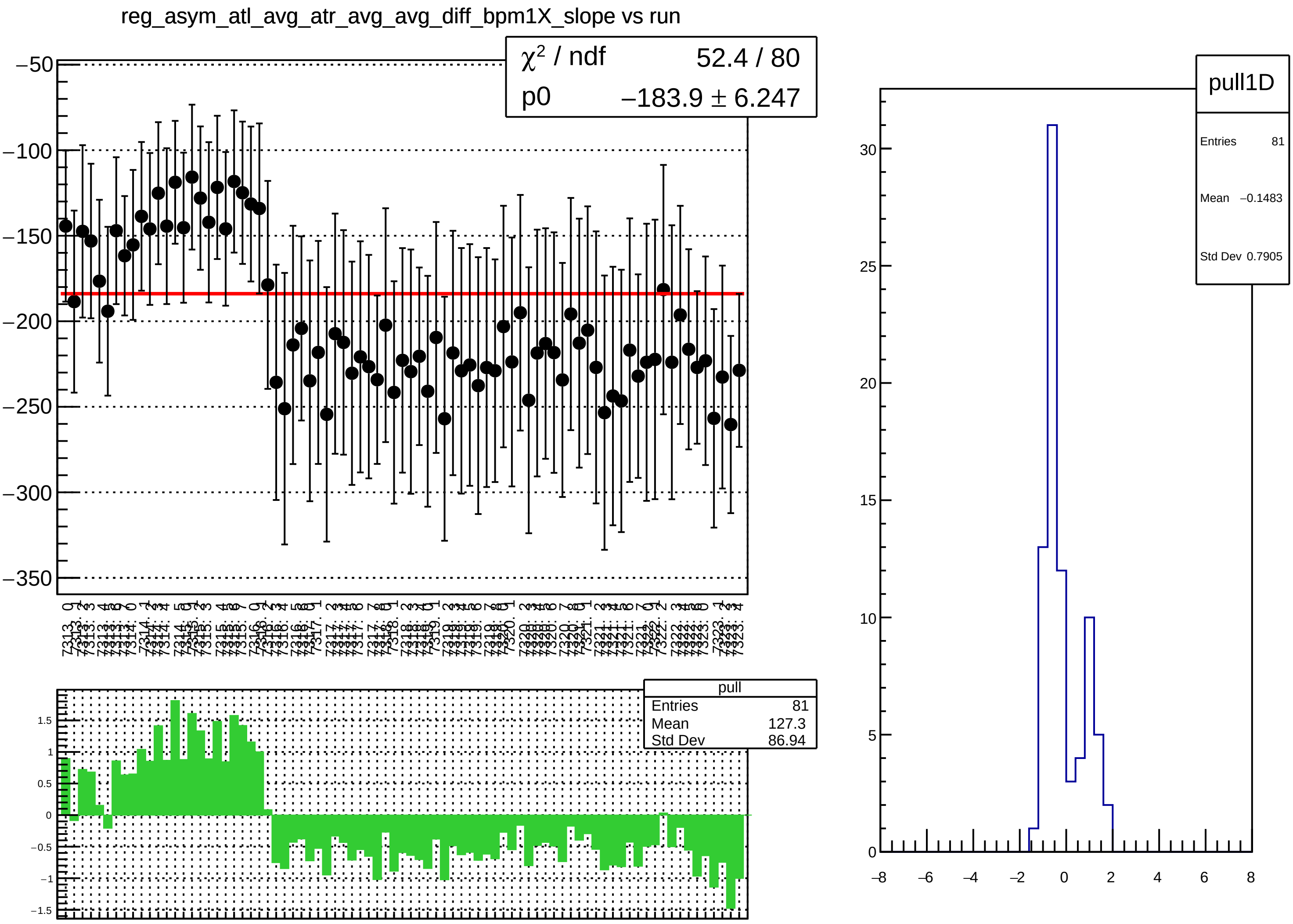
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 195.1 / 80
p0 58.43 ± 1.309
pull
Entries 81
Mean 146.6
Std Dev 105.4
pull1D
Entries 81
Mean 0.2312
Std Dev 1.535



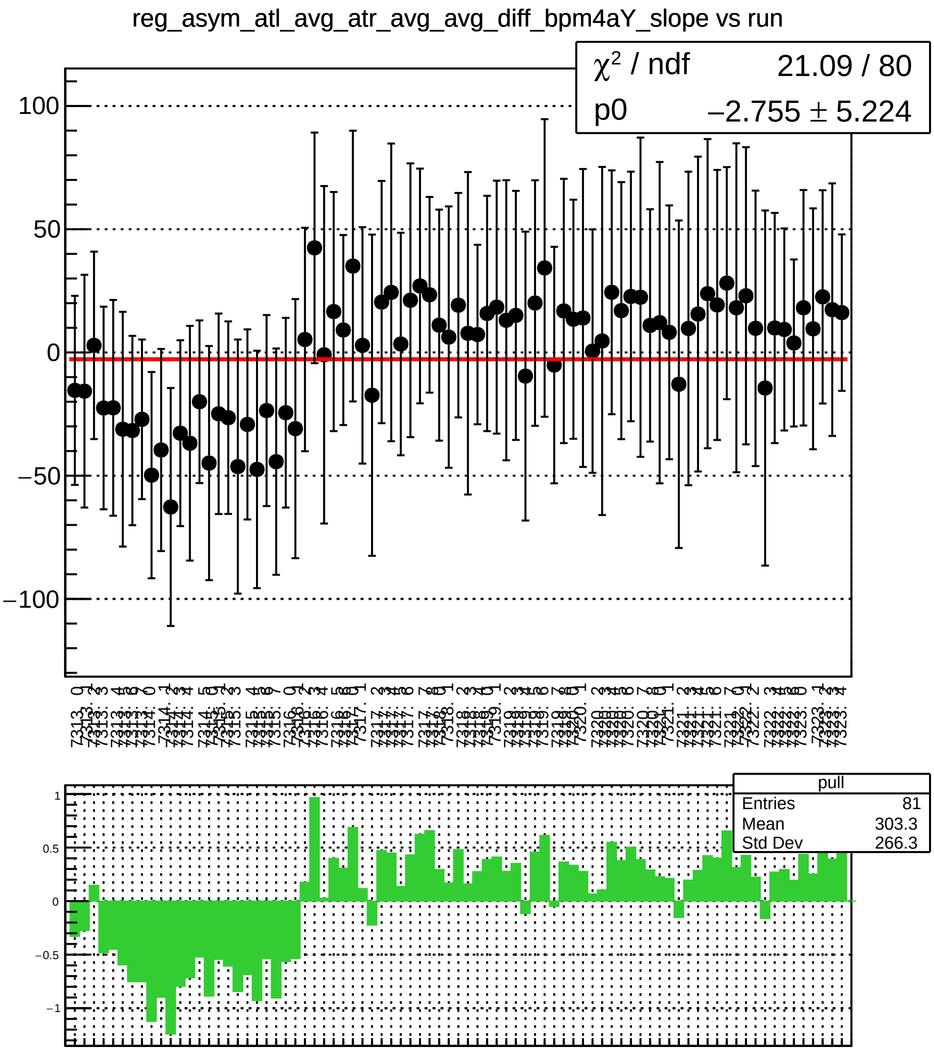
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ2 / ndf 101.9 / 80
p0 9.306 ± 1.192
50
40
30
20
10
0
−10
−20
−30
pull
Entries 81
Mean 259.1
Std Dev 224.6
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.05722
Std Dev 1.12
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



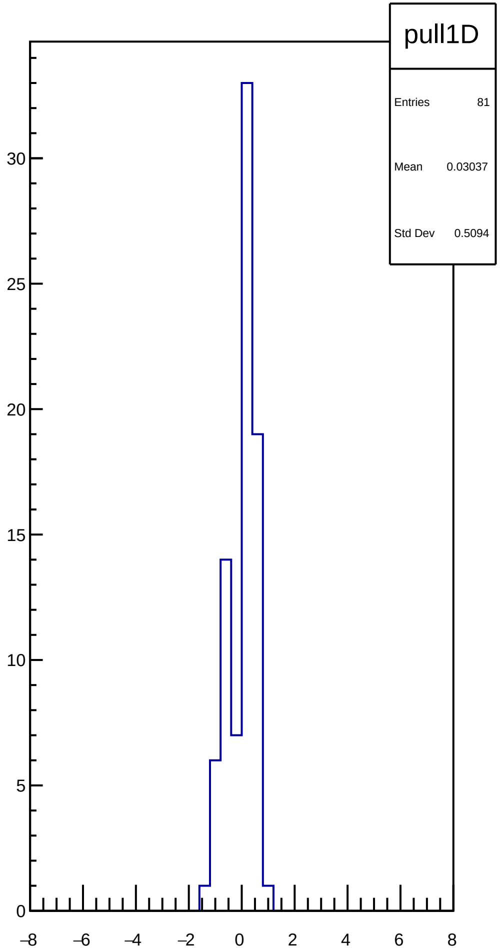
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 272.6 / 80
p0 −9.506 ± 0.05051
pull
Entries 81
Mean 577.7
Std Dev 537.2
pull1D
Entries 81
Mean −0.04533
Std Dev 1.834



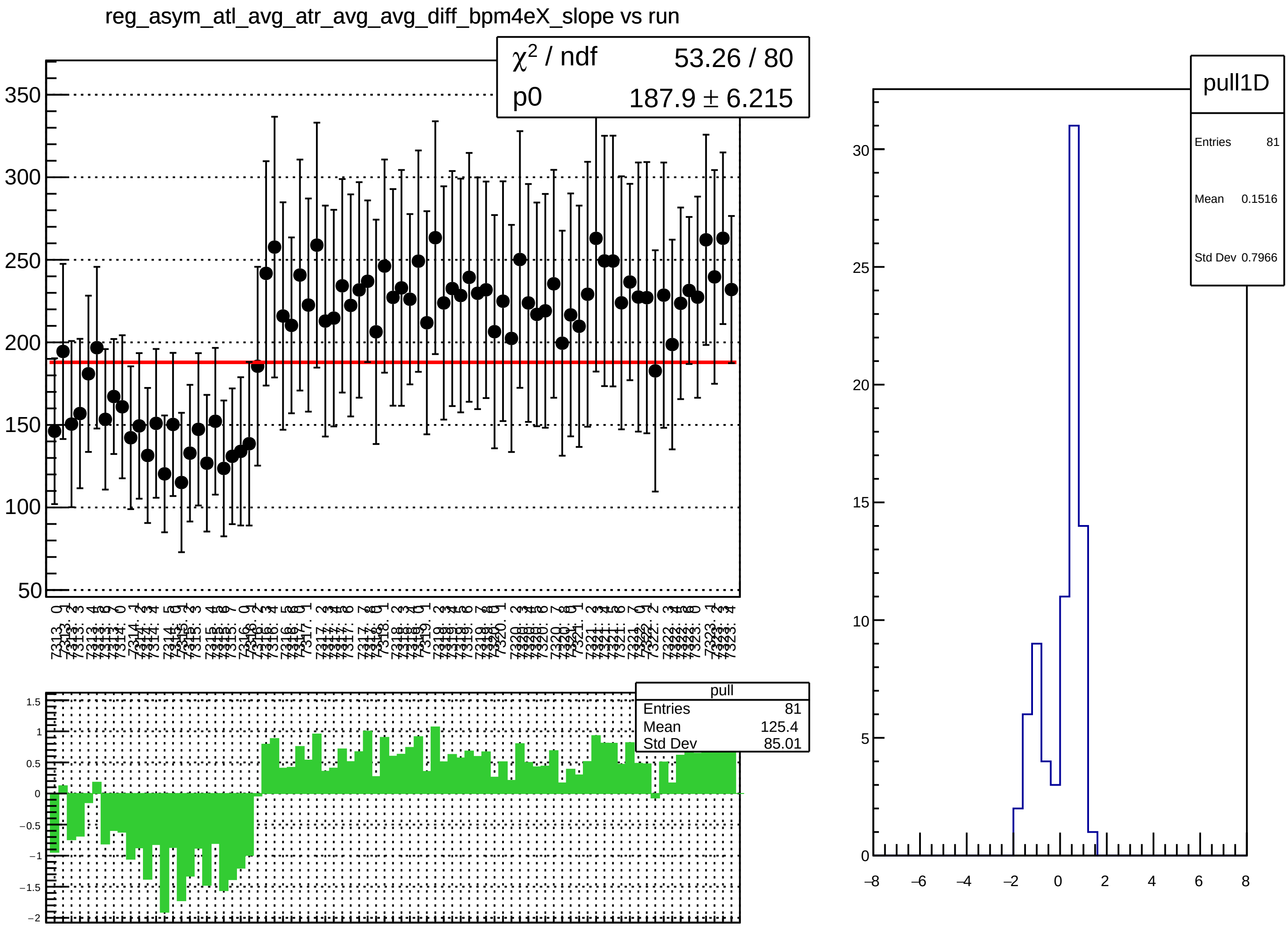
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 52.4 / 80
p0 −183.9 ± 6.247
pull
Entries 81
Mean 127.3
Std Dev 86.94
pull1D
Entries 81
Mean −0.1483
Std Dev 0.7905



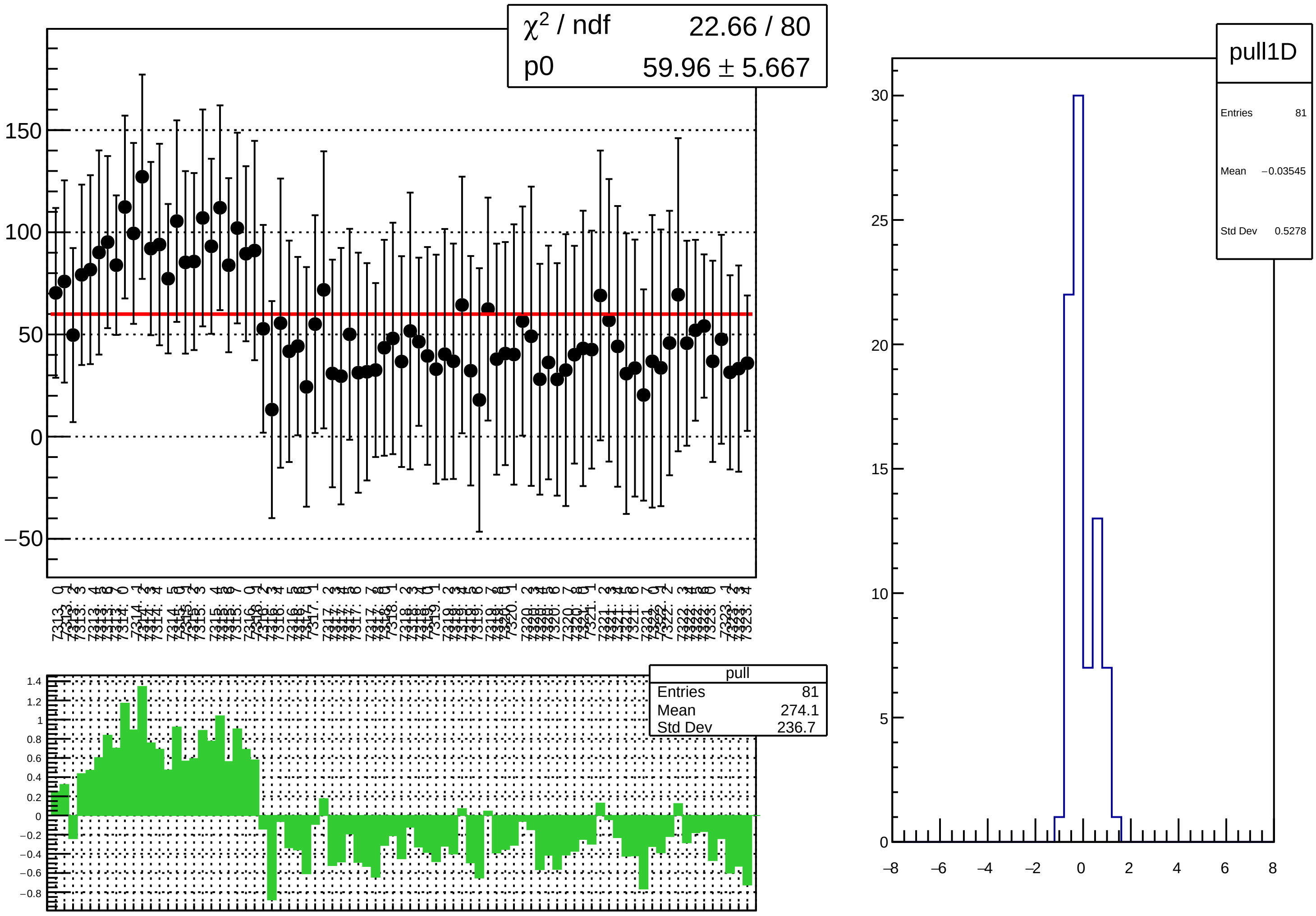
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ2 / ndf 21.09 / 80
p0 −2.755 ± 5.224
pull
Entries 81
Mean 303.3
Std Dev 266.3

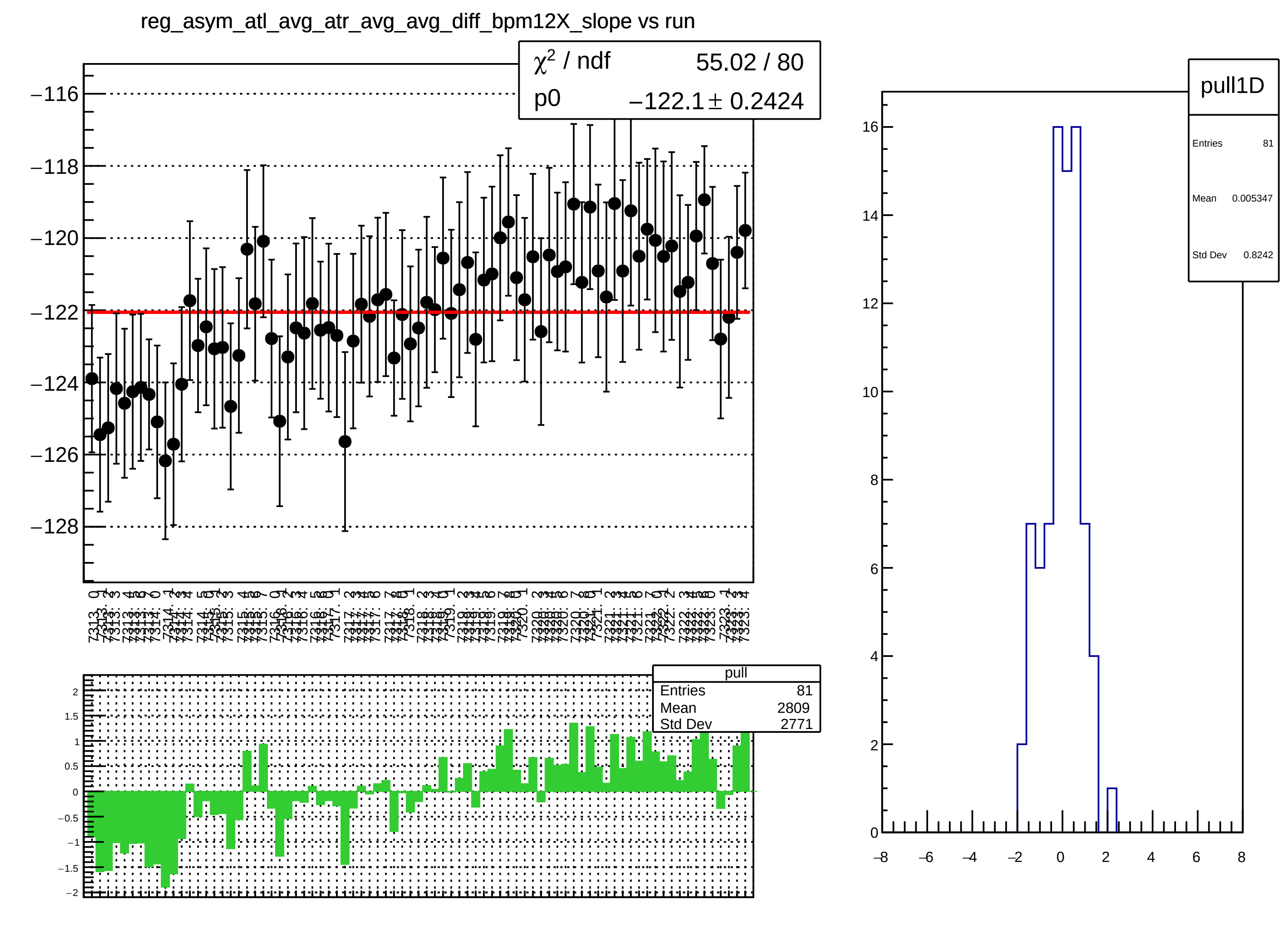


pull1D
Entries 81
Mean 0.03037
Std Dev 0.5094

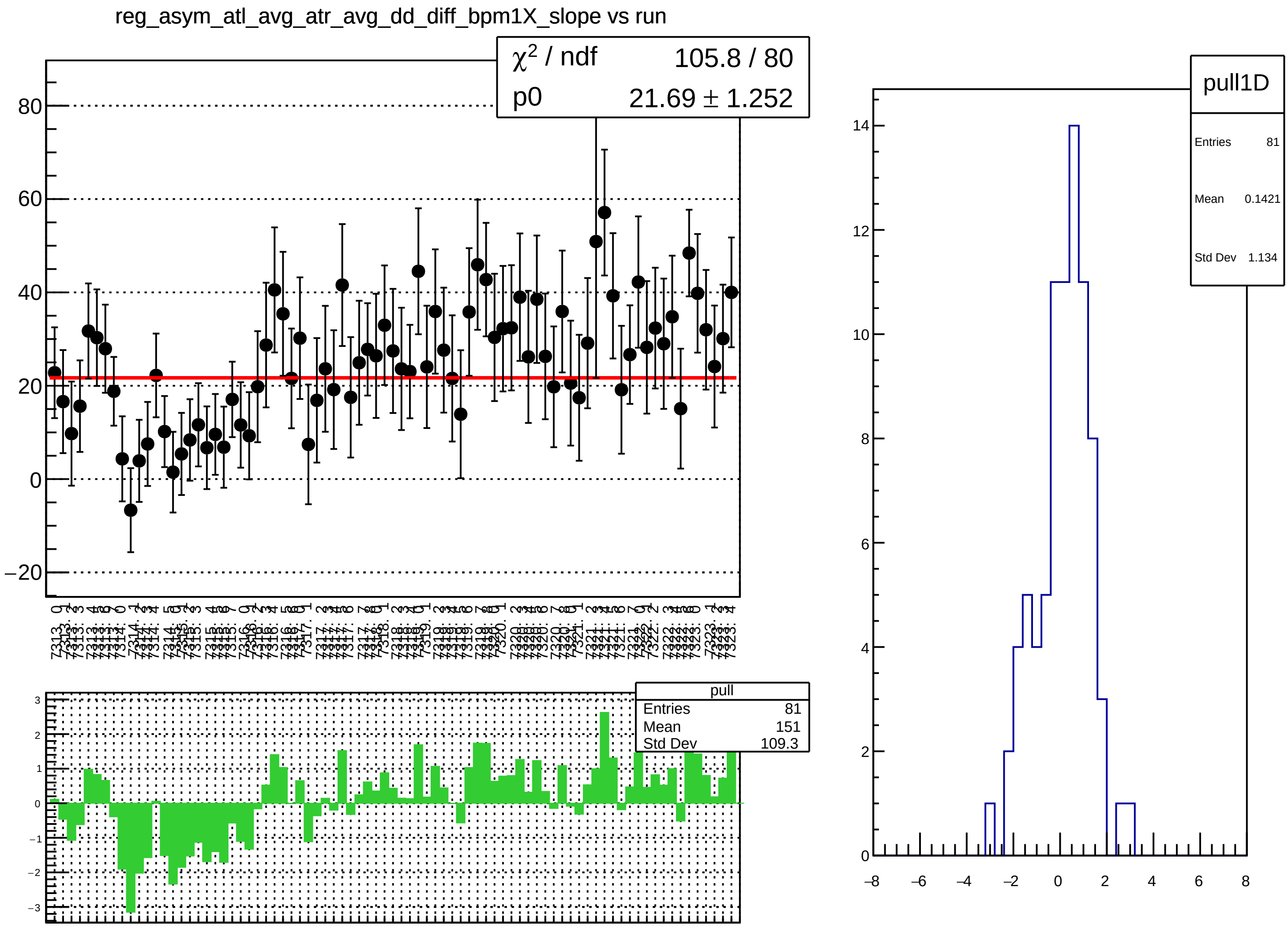

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ2 / ndf 53.26 / 80
p0 187.9 ± 6.215
pull
Entries 81
Mean 125.4
Std Dev 85.01
pull1D
Entries 81
Mean 0.1516
Std Dev 0.7966

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run

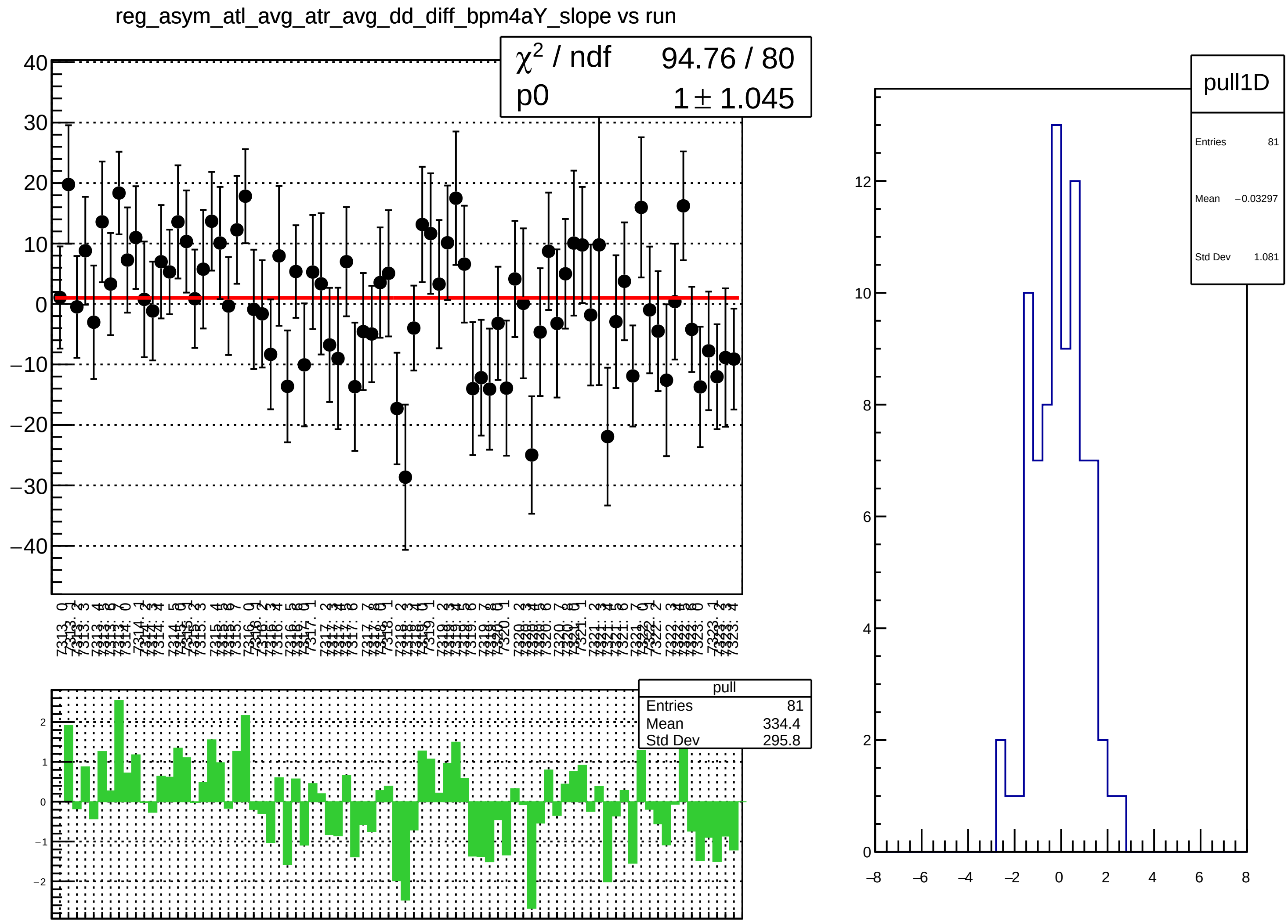




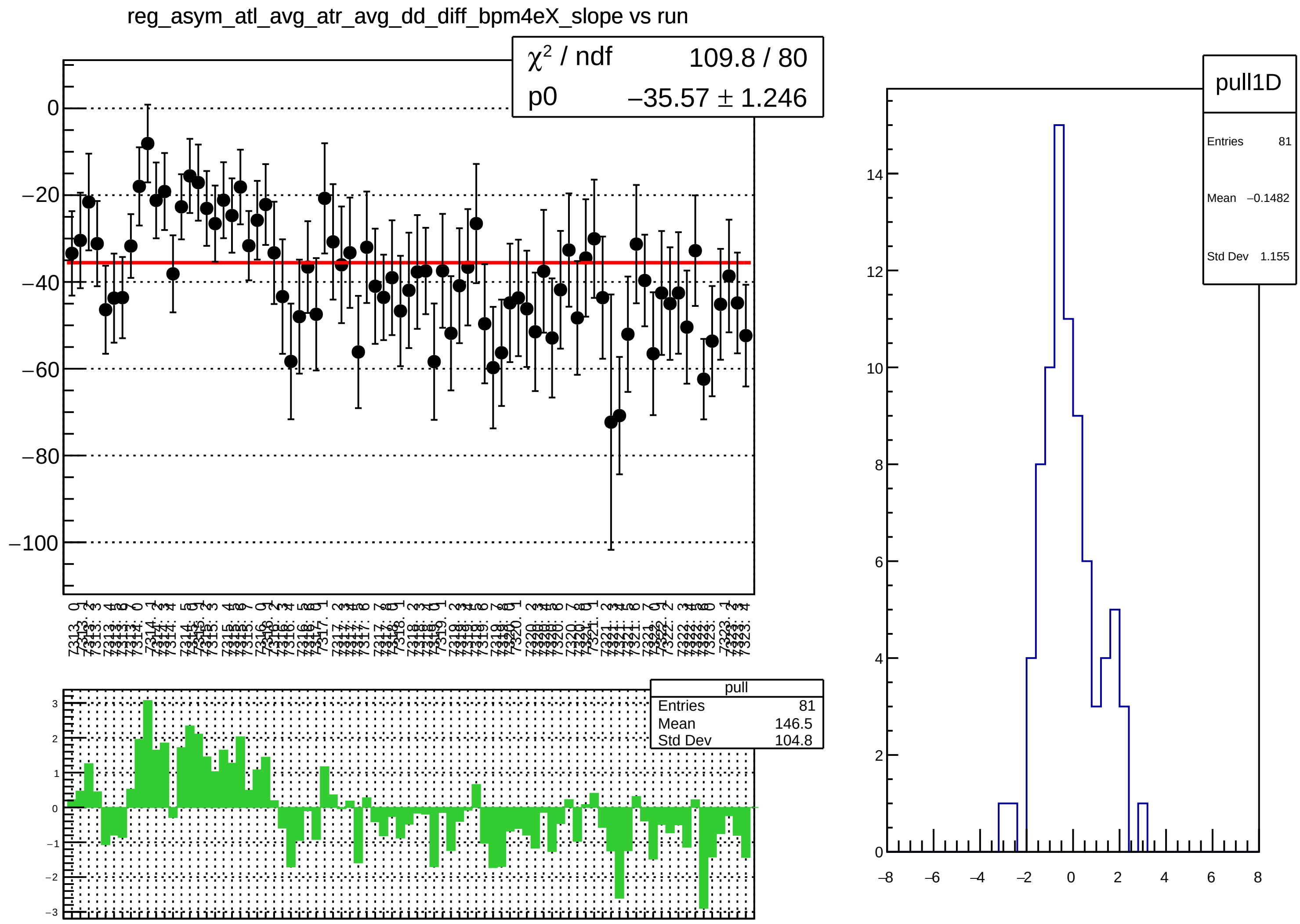
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 55.02 / 80
p0 −122.1 ± 0.2424
pull
Entries 81
Mean 2809
Std Dev 2771
pull1D
Entries 81
Mean 0.005347
Std Dev 0.8242



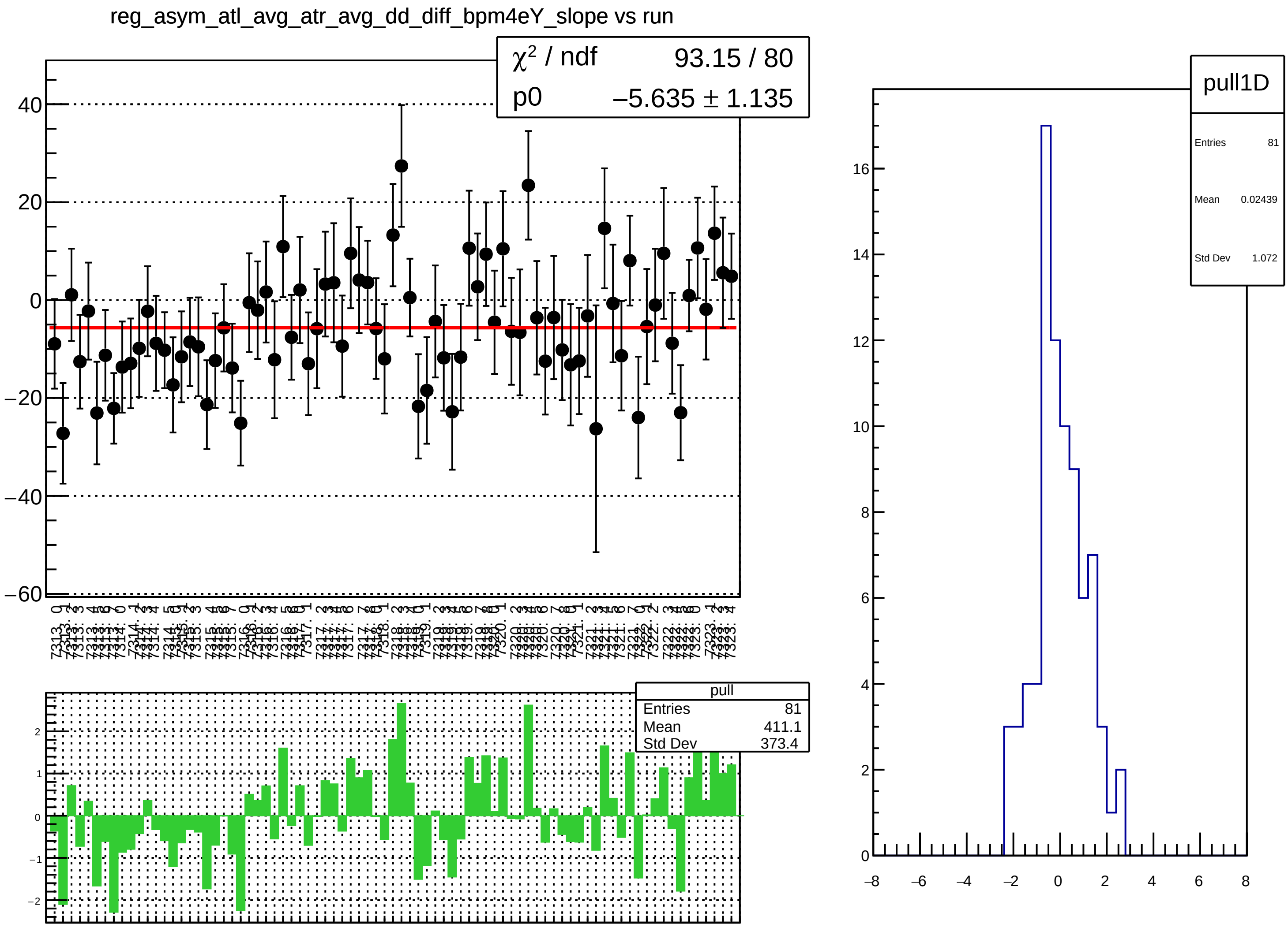
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ2 / ndf 105.8 / 80
p0 21.69 ± 1.252
pull
Entries 81
Mean 151
Std Dev 109.3
pull1D
Entries 81
Mean 0.1421
Std Dev 1.134



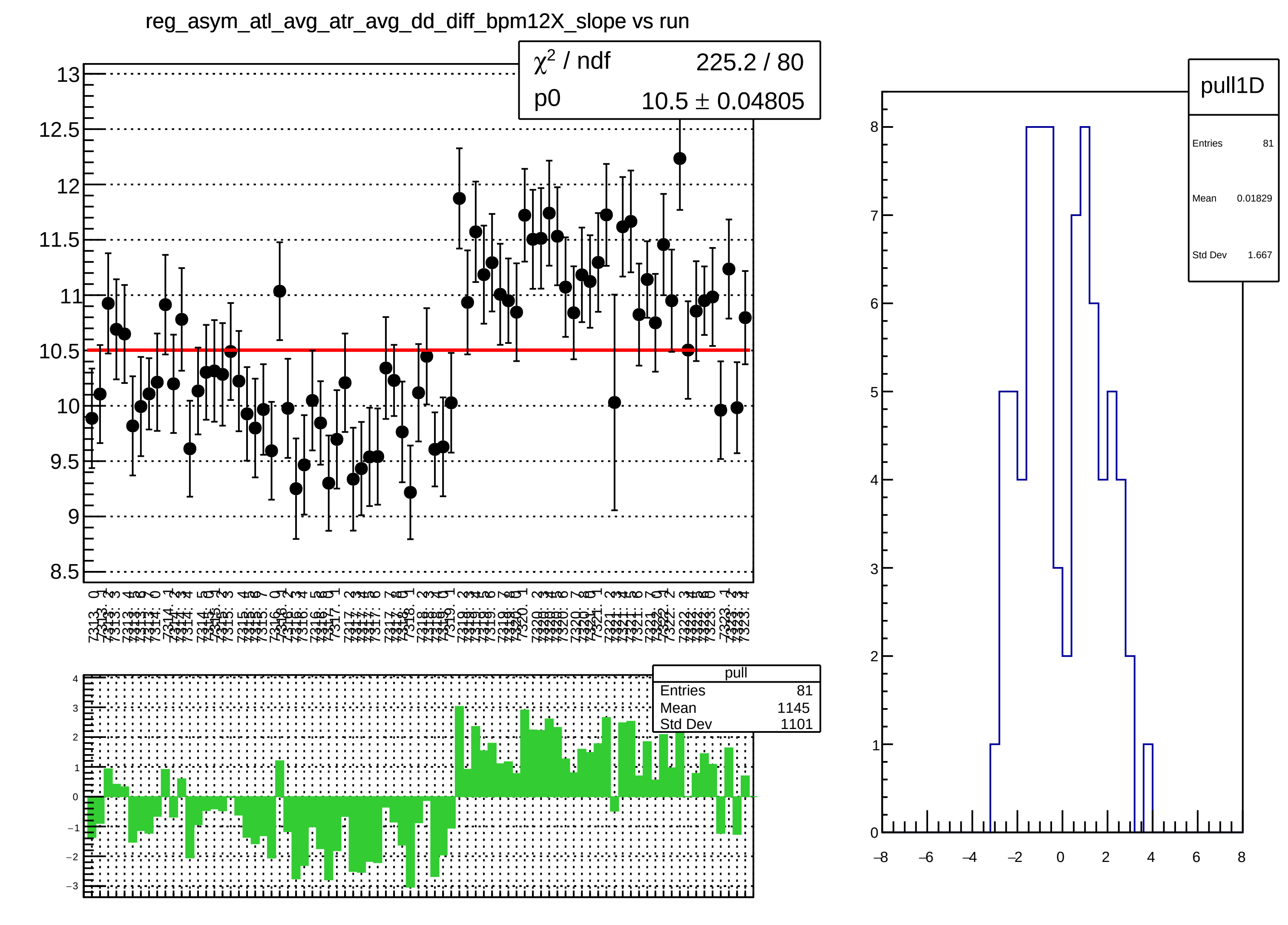
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 94.76 / 80
p0 1 ± 1.045
pull
Entries 81
Mean 334.4
Std Dev 295.8
pull1D
Entries 81
Mean −0.03297
Std Dev 1.081



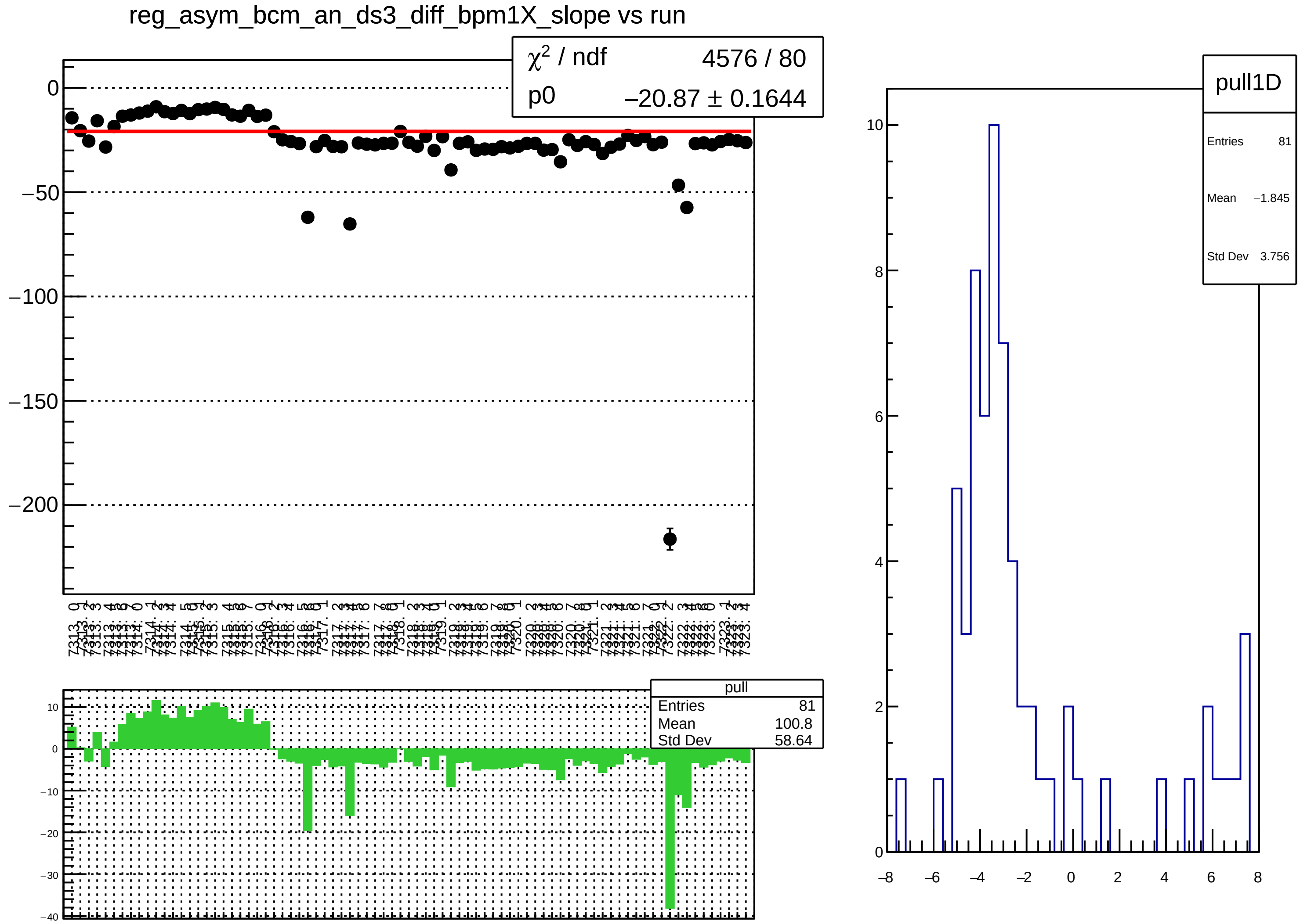
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 109.8 / 80
p0 −35.57 ± 1.246
0
−20
−40
−60
−80
−100
pull
Entries 81
Mean 146.5
Std Dev 104.8
pull1D
Entries 81
Mean −0.1482
Std Dev 1.155

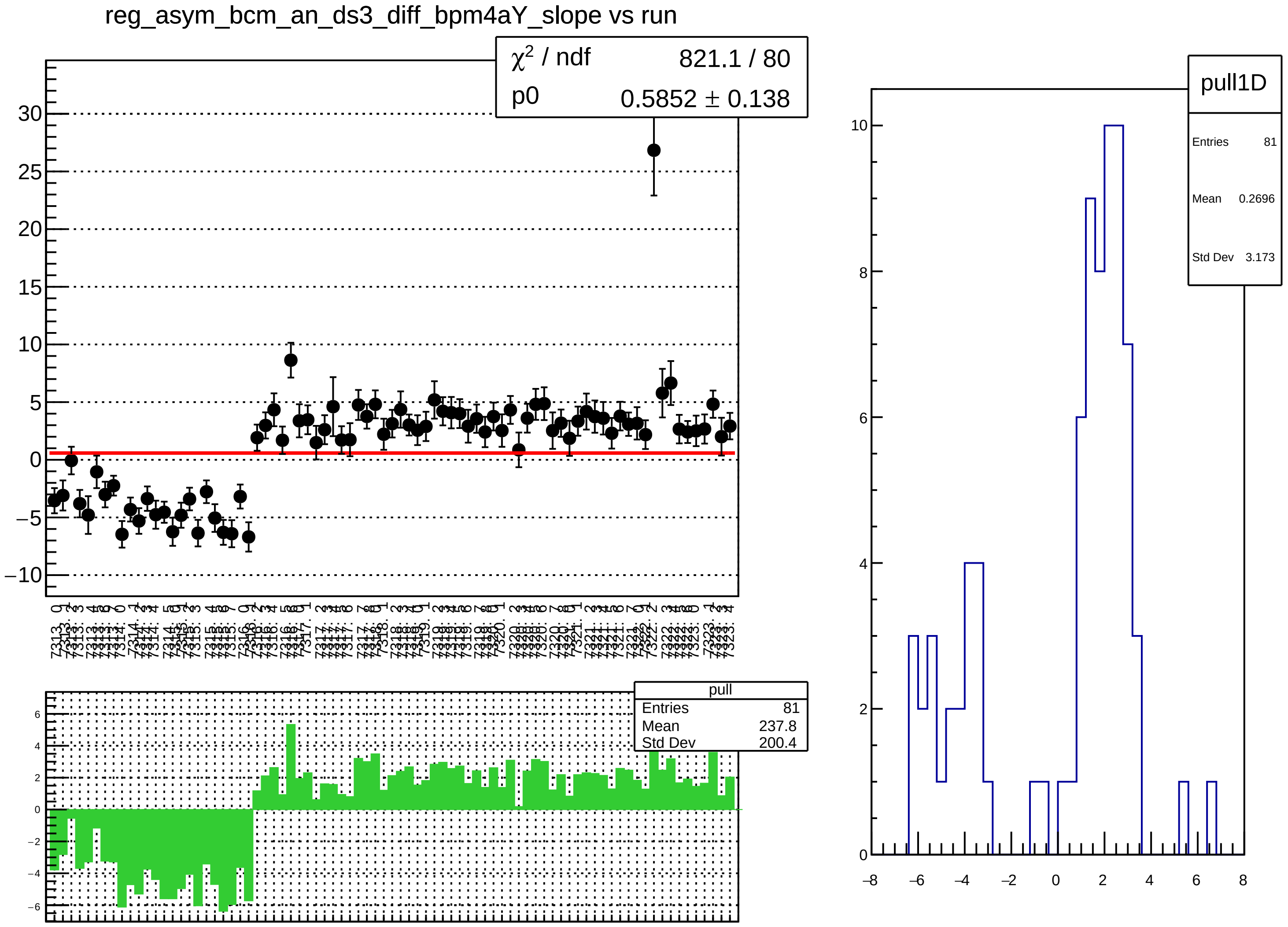


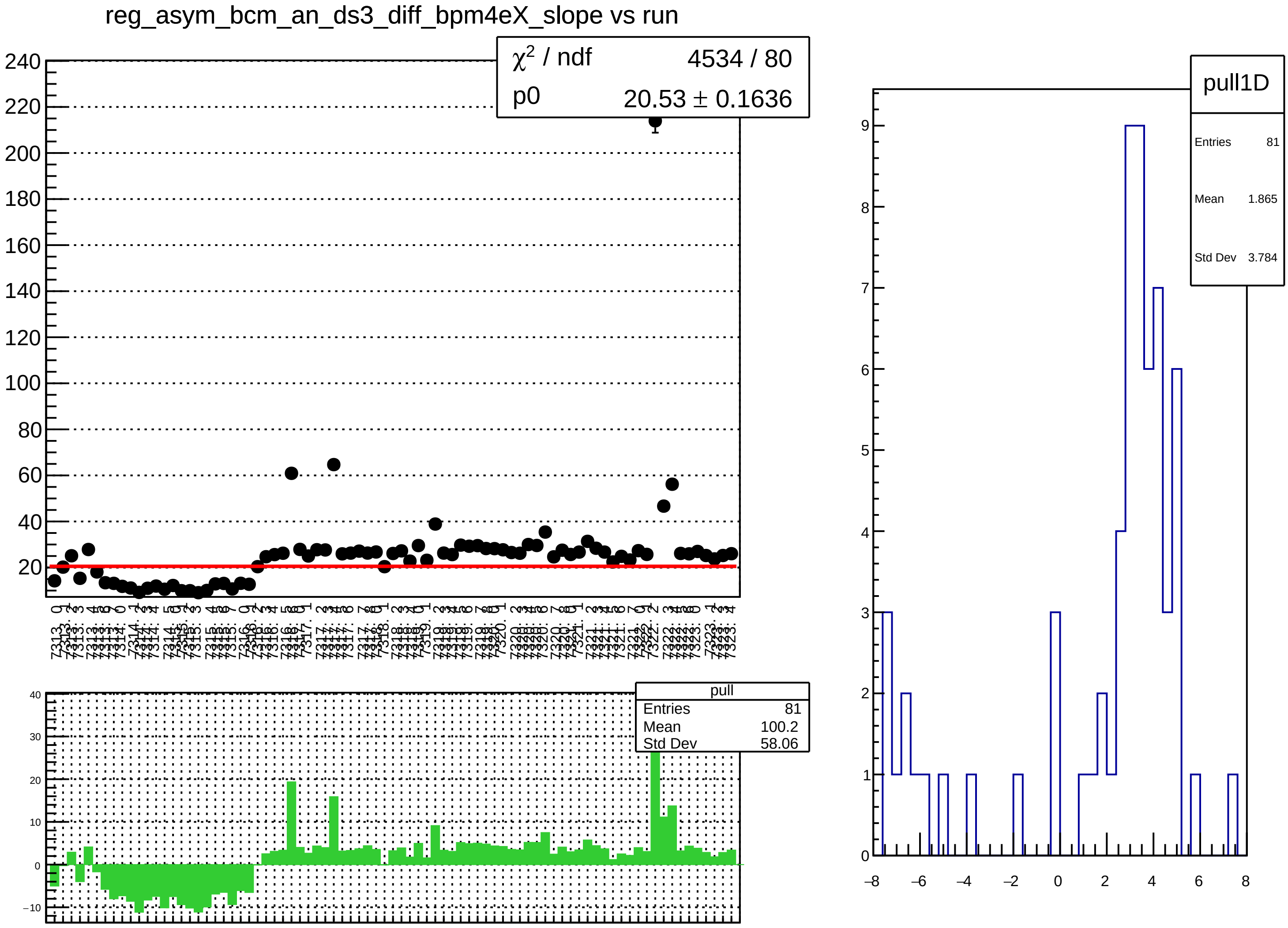
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 93.15 / 80
p0 −5.635 ± 1.135
pull
Entries 81
Mean 411.1
Std Dev 373.4
pull1D
Entries 81
Mean 0.02439
Std Dev 1.072



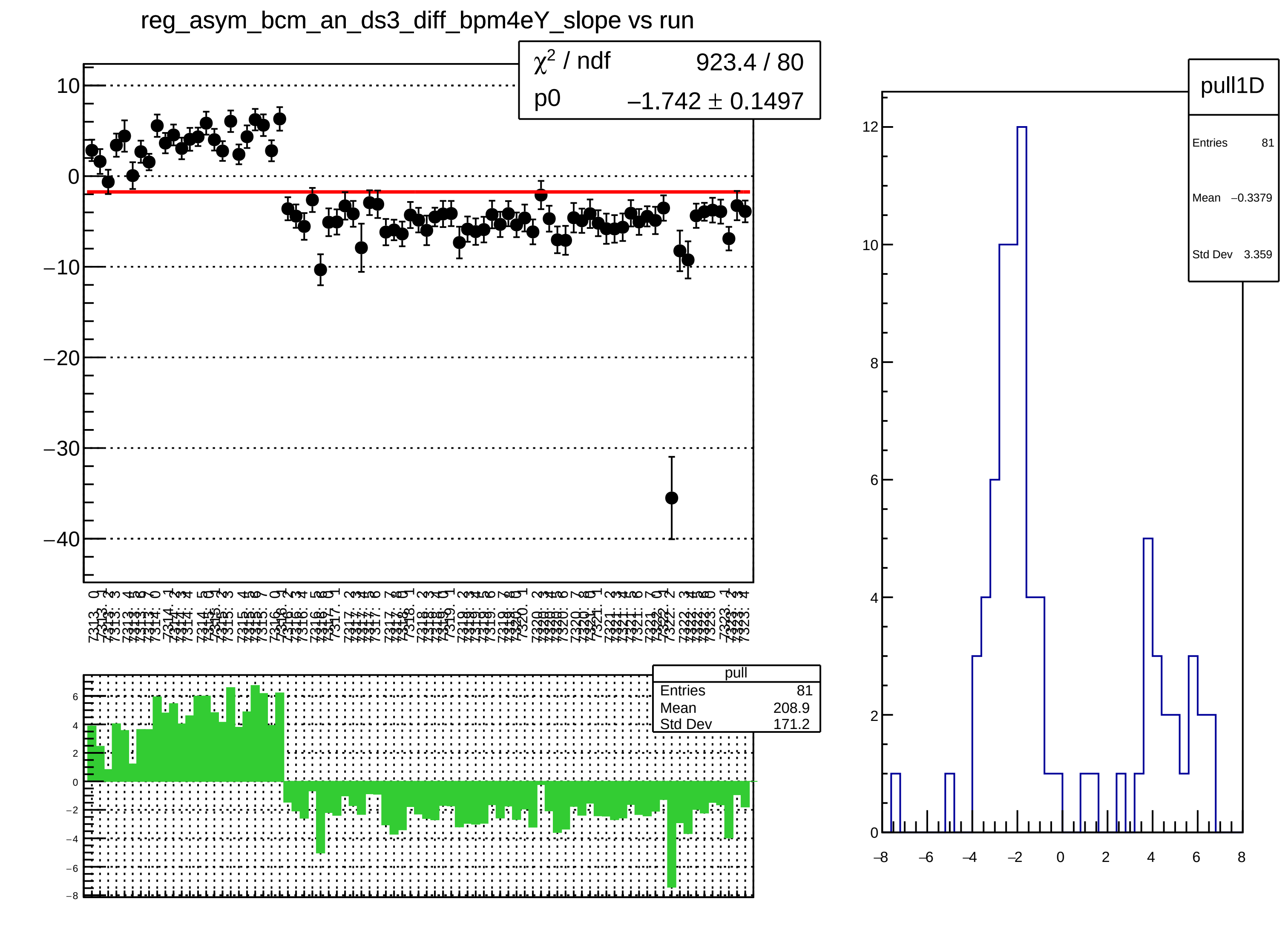
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ2 / ndf 225.2 / 80
p0 10.5 ± 0.04805
pull
Entries 81
Mean 1145
Std Dev 1101
pull1D
Entries 81
Mean 0.01829
Std Dev 1.667

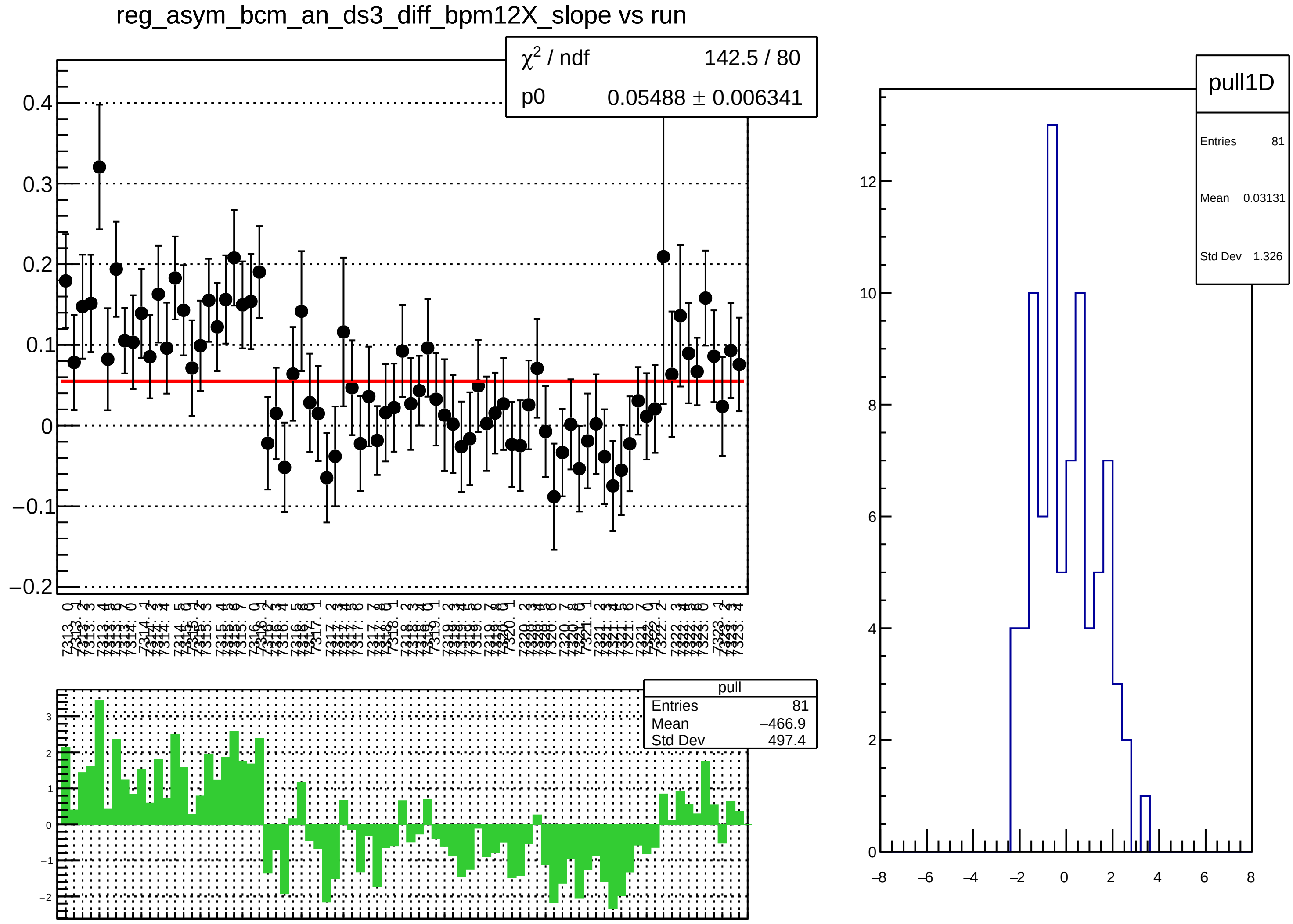

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 4576 / 80
p0 −20.87 ± 0.1644
pull
Entries 81
Mean 100.8
Std Dev 58.64
pull1D
Entries 81
Mean −1.845
Std Dev 3.756


reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 821.1 / 80
p0 0.5852 ± 0.138
pull
Entries 81
Mean 237.8
Std Dev 200.4
pull1D
Entries 81
Mean 0.2696
Std Dev 3.173

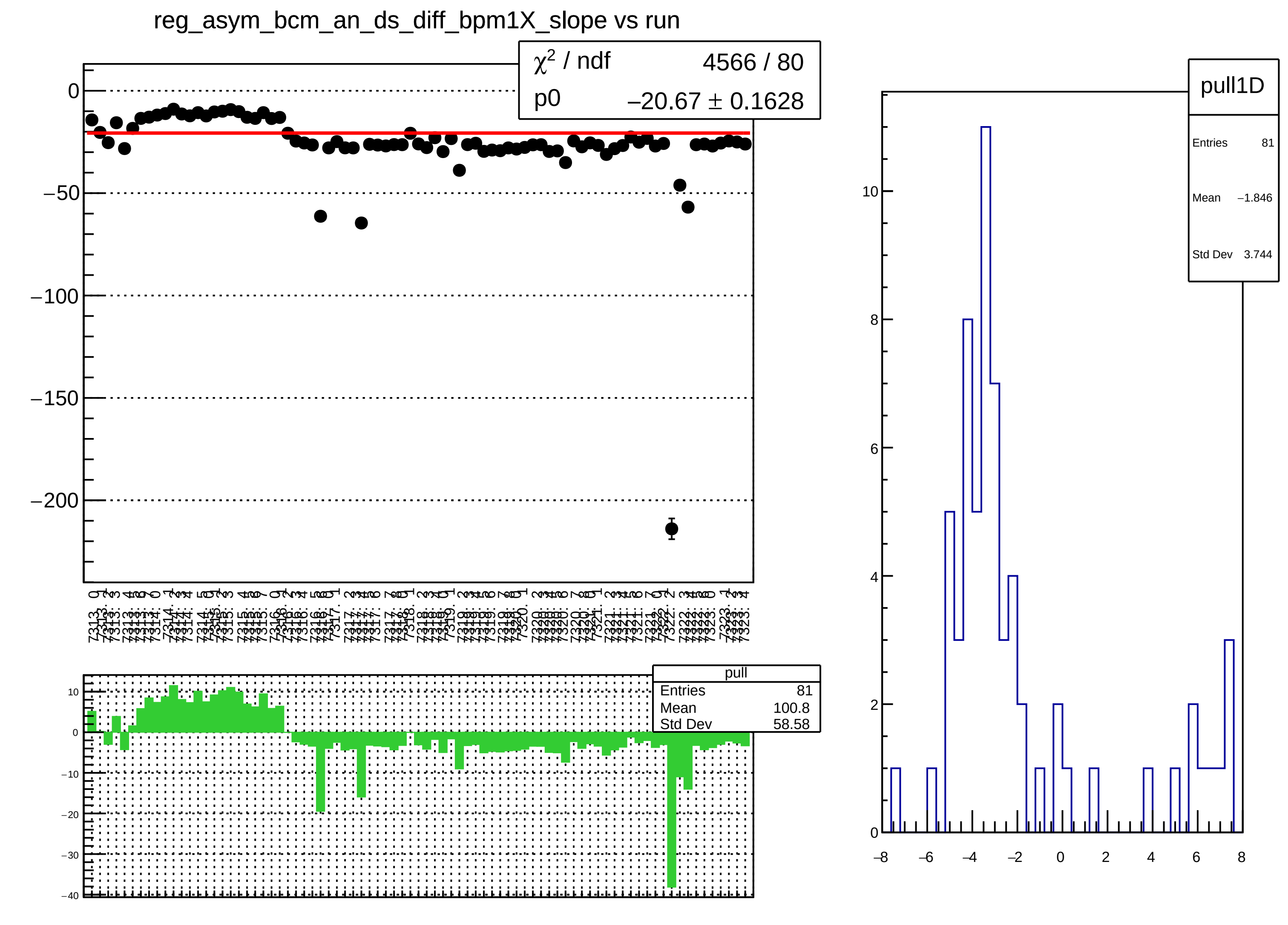


reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 4534 / 80
p0 20.53 ± 0.1636
pull
Entries 81
Mean 100.2
Std Dev 58.06
pull1D
Entries 81
Mean 1.865
Std Dev 3.784

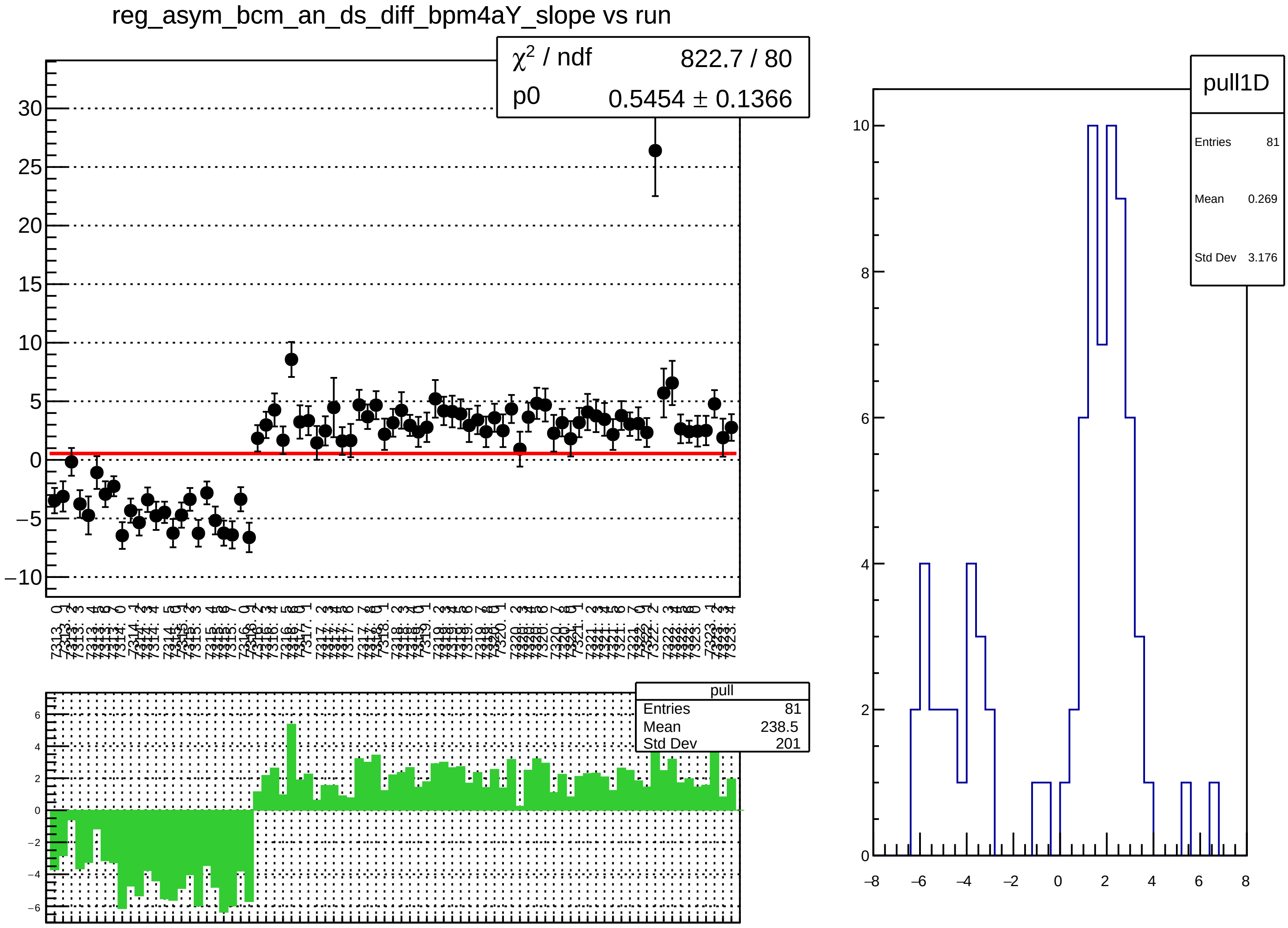

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ2 / ndf 923.4 / 80
p0 −1.742 ± 0.1497
pull
Entries 81
Mean 208.9
Std Dev 171.2
pull1D
Entries 81
Mean −0.3379
Std Dev 3.359



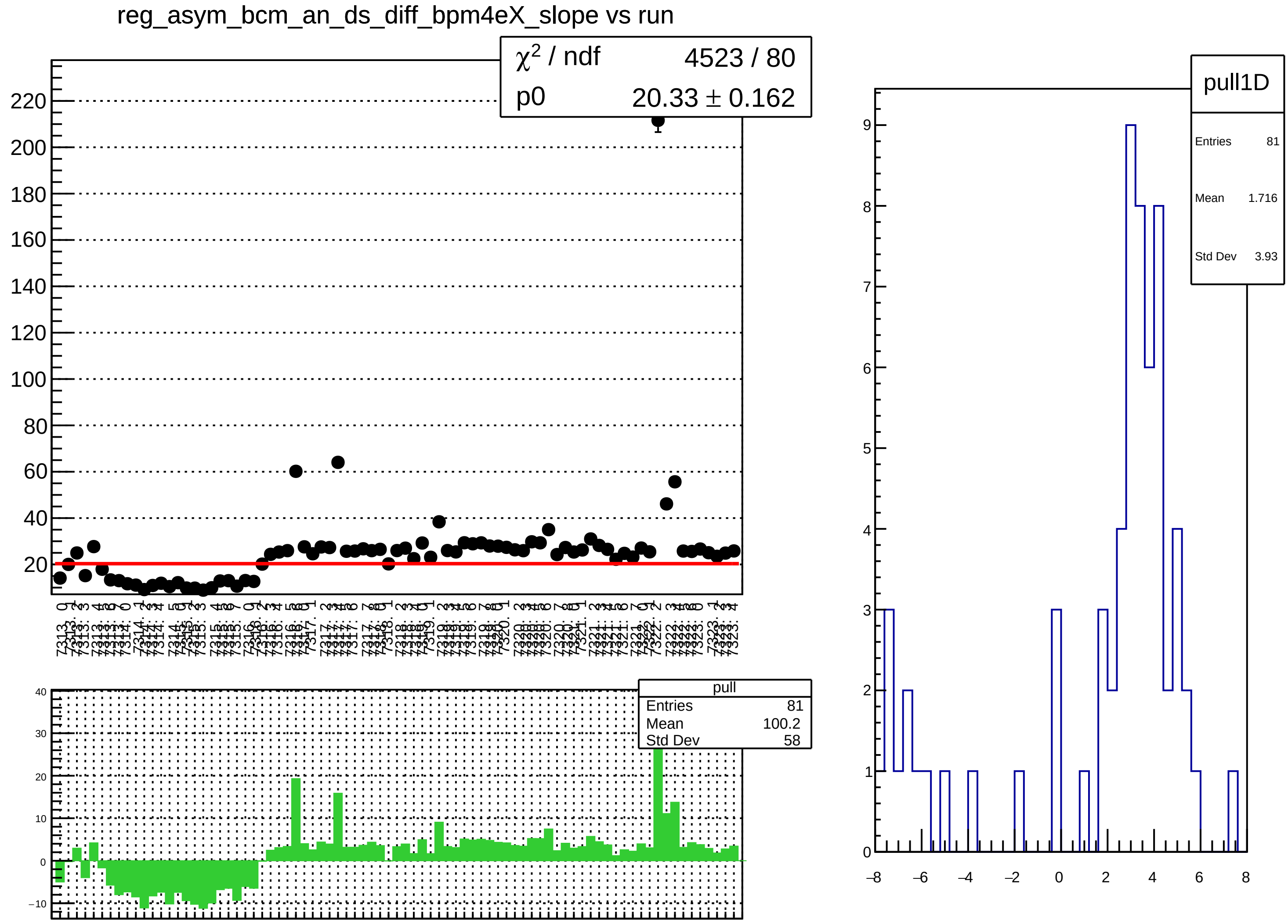
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 142.5 / 80
p0 0.05488 ± 0.006341
pull
Entries 81
Mean −466.9
Std Dev 497.4
pull1D
Entries 81
Mean 0.03131
Std Dev 1.326

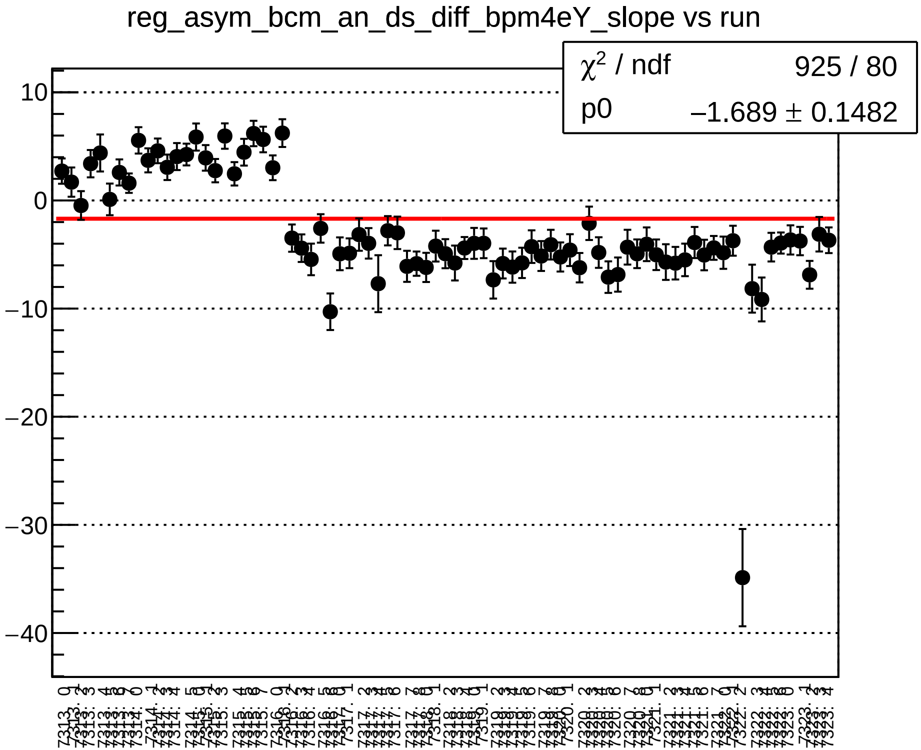


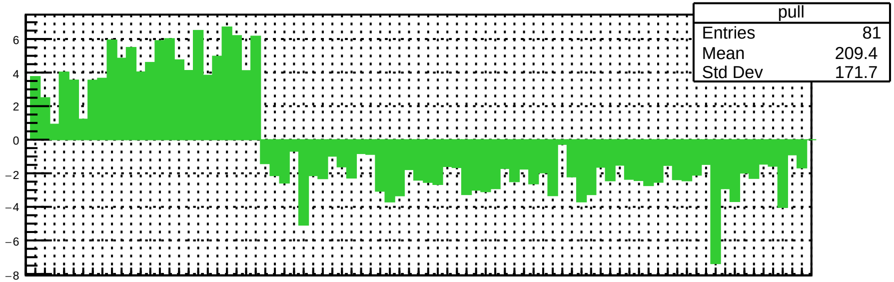
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 4566 / 80
p0 −20.67 ± 0.1628
pull
Entries 81
Mean 100.8
Std Dev 58.58
pull1D
Entries 81
Mean −1.846
Std Dev 3.744

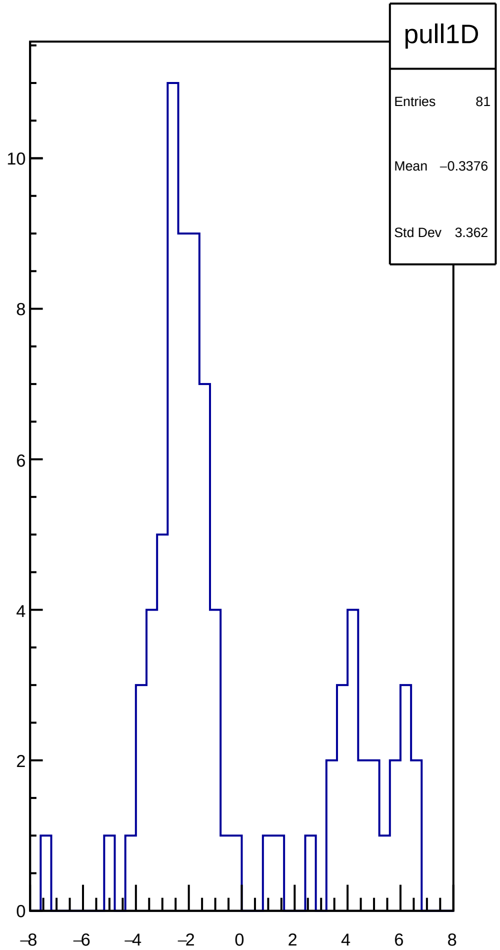


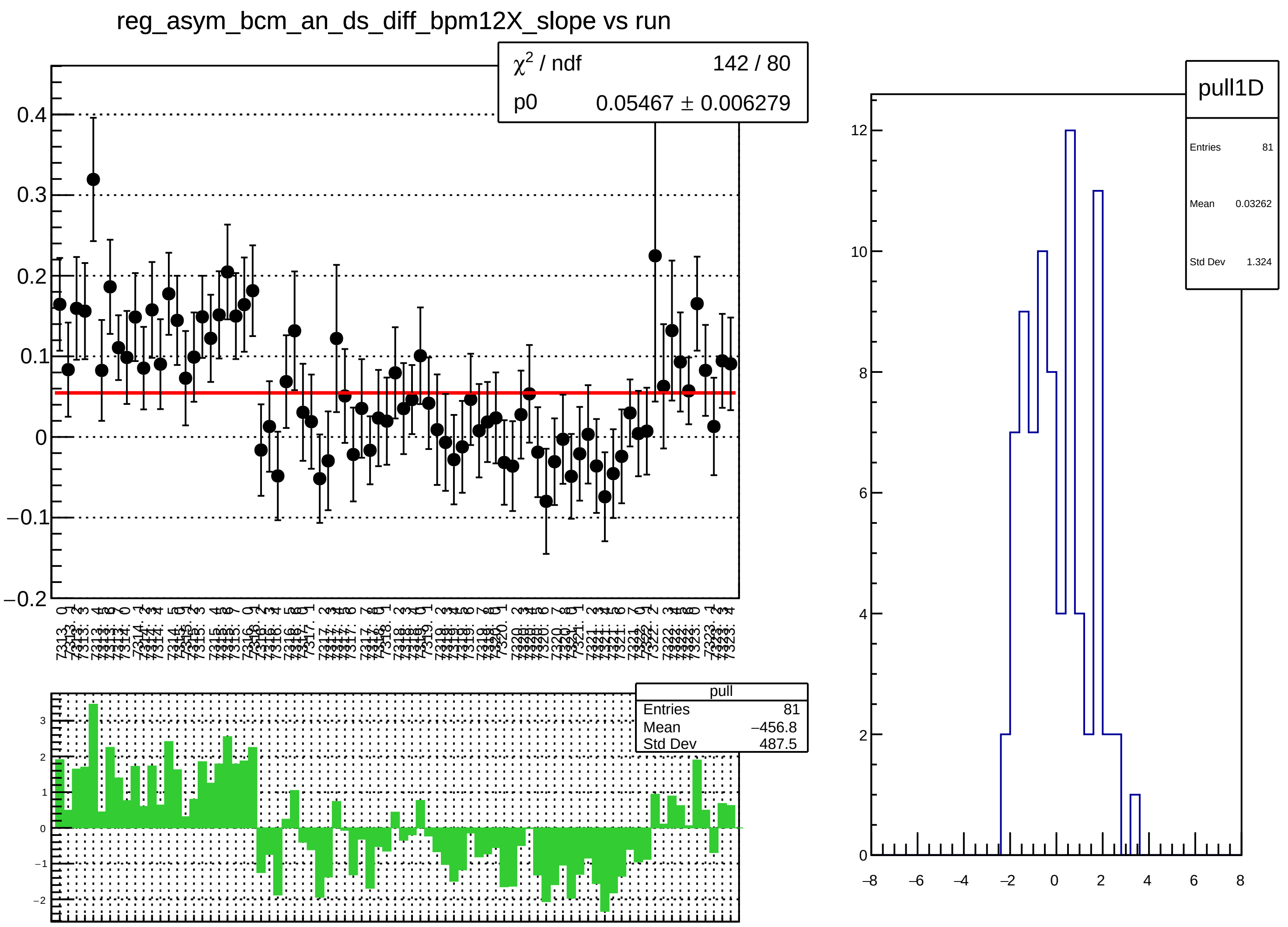
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 822.7 / 80
p0 0.5454 ± 0.1366
pull
Entries 81
Mean 238.5
Std Dev 201
pull1D
Entries 81
Mean 0.269
Std Dev 3.176


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 4523 / 80
p0 20.33 ± 0.162
pull
Entries 81
Mean 100.2
Std Dev 58
pull1D
Entries 81
Mean 1.716
Std Dev 3.93

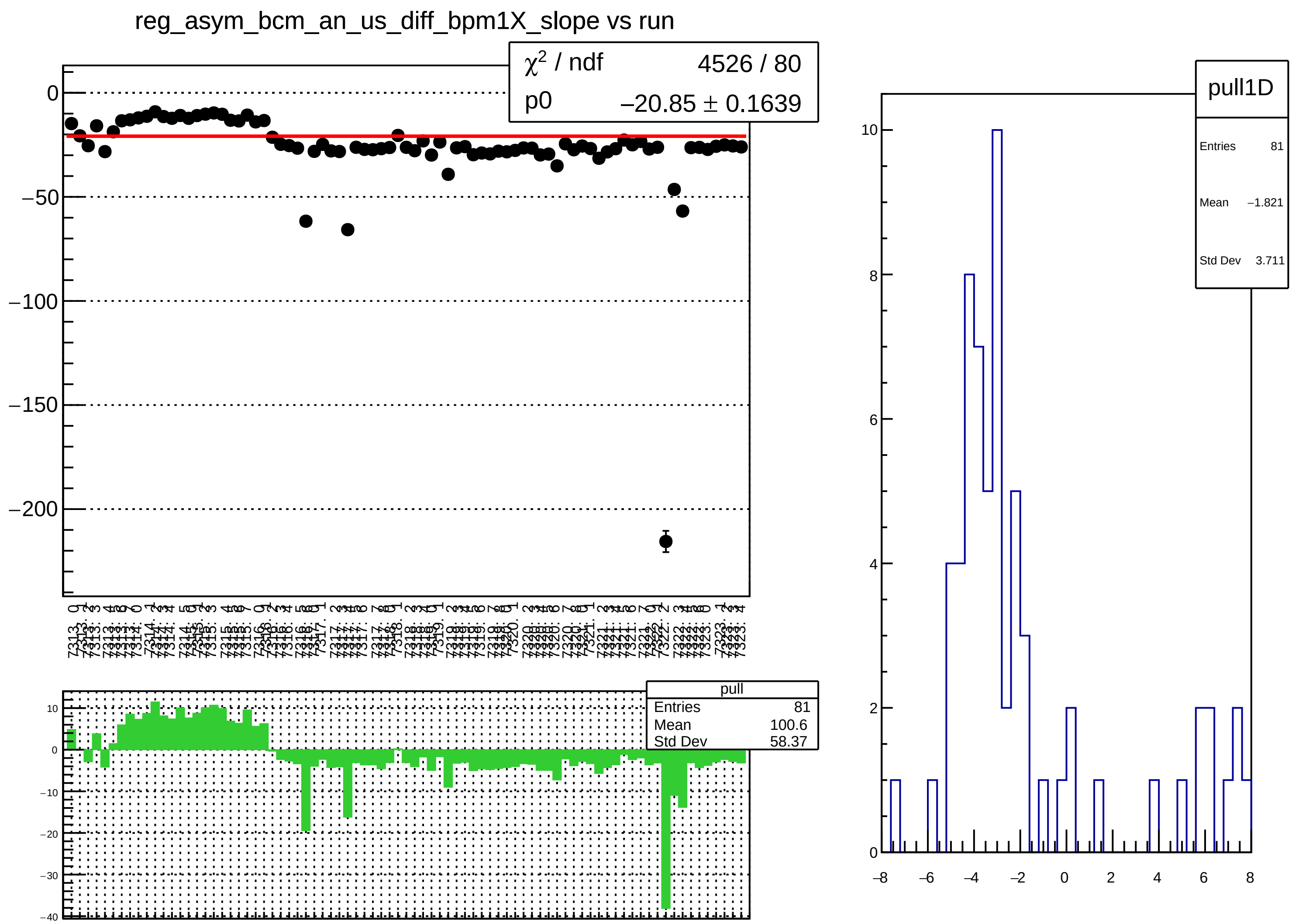

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 925 / 80
p0 −1.689 ± 0.1482

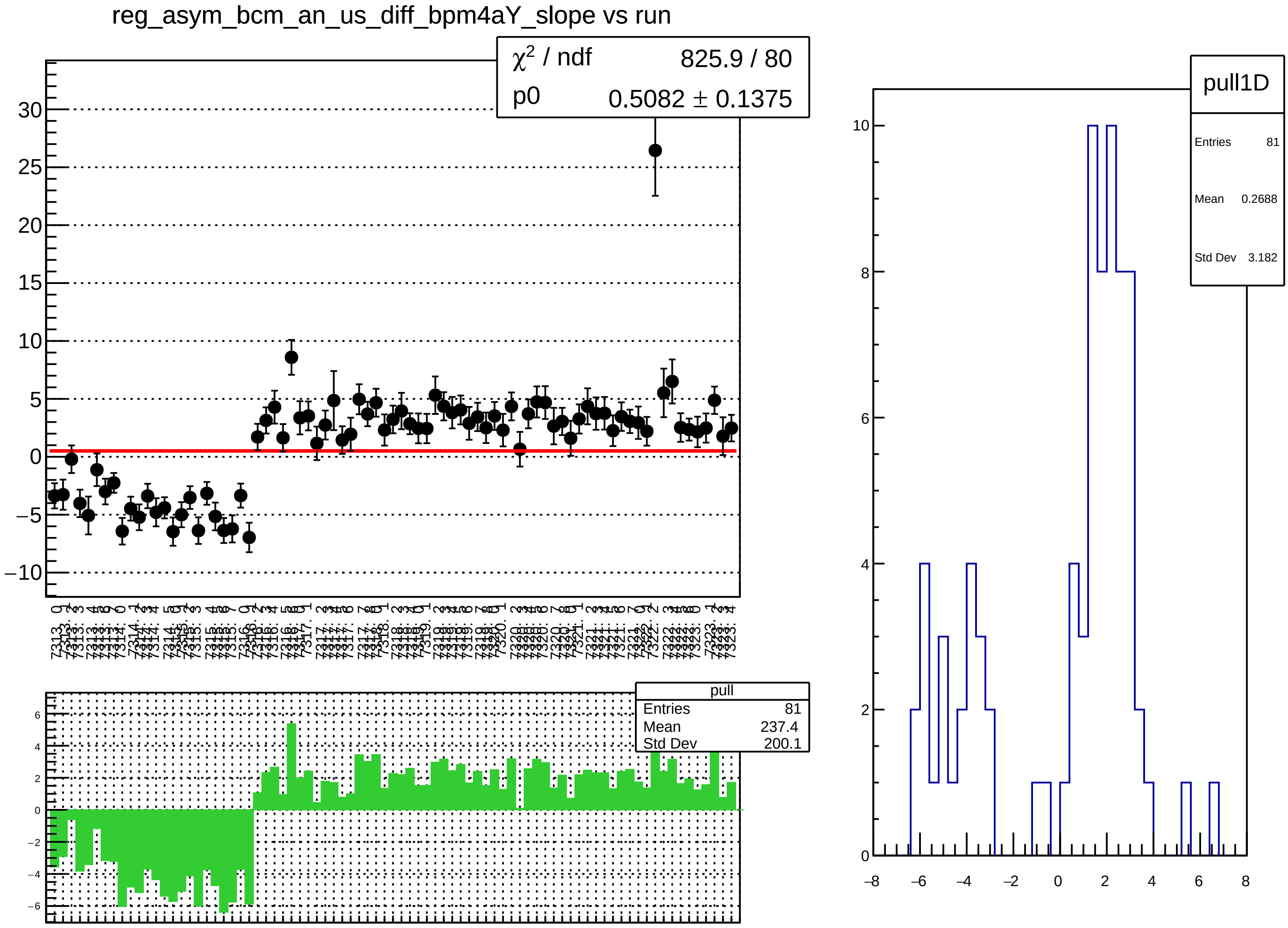

pull
Entries 81
Mean 209.4
Std Dev 171.7

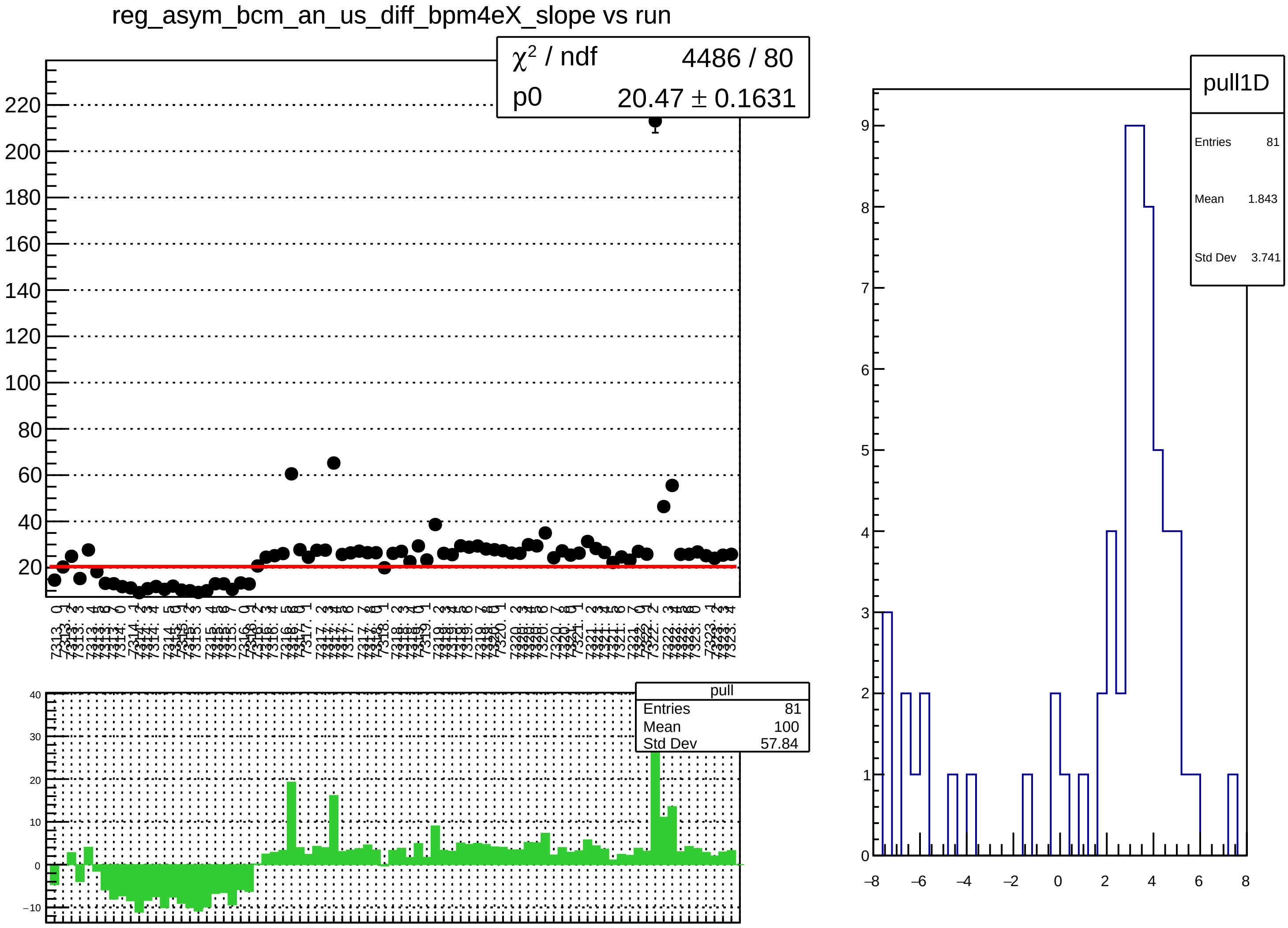

pull1D
Entries 81
Mean −0.3376
Std Dev 3.362



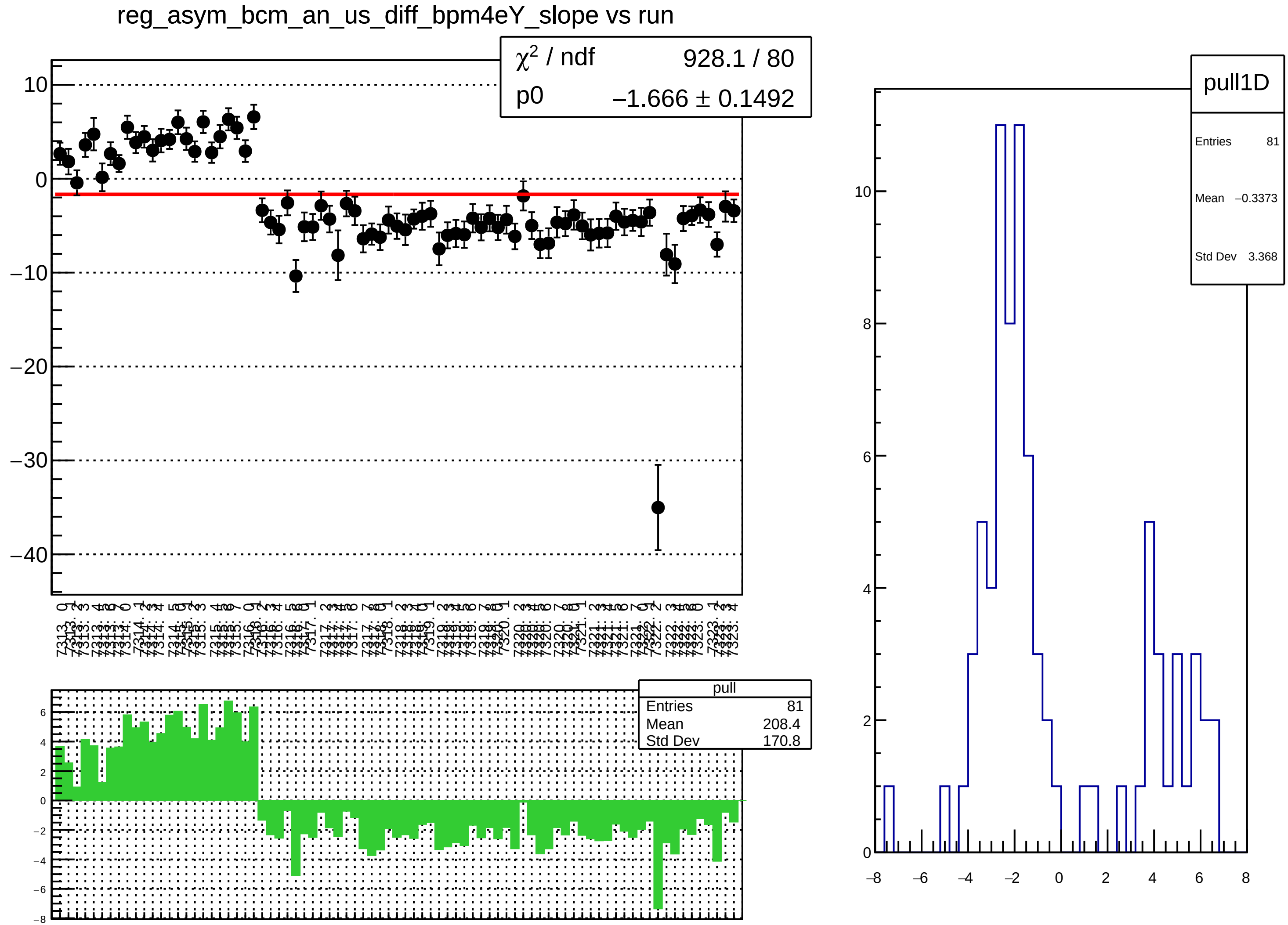
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ^2 / ndf 142 / 80
p0 0.05467 ± 0.006279
pull
Entries 81
Mean −456.8
Std Dev 487.5
pull1D
Entries 81
Mean 0.03262
Std Dev 1.324


reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ2 / ndf 4526 / 80
p0 −20.85 ± 0.1639
pull
Entries 81
Mean 100.6
Std Dev 58.37
pull1D
Entries 81
Mean −1.821
Std Dev 3.711

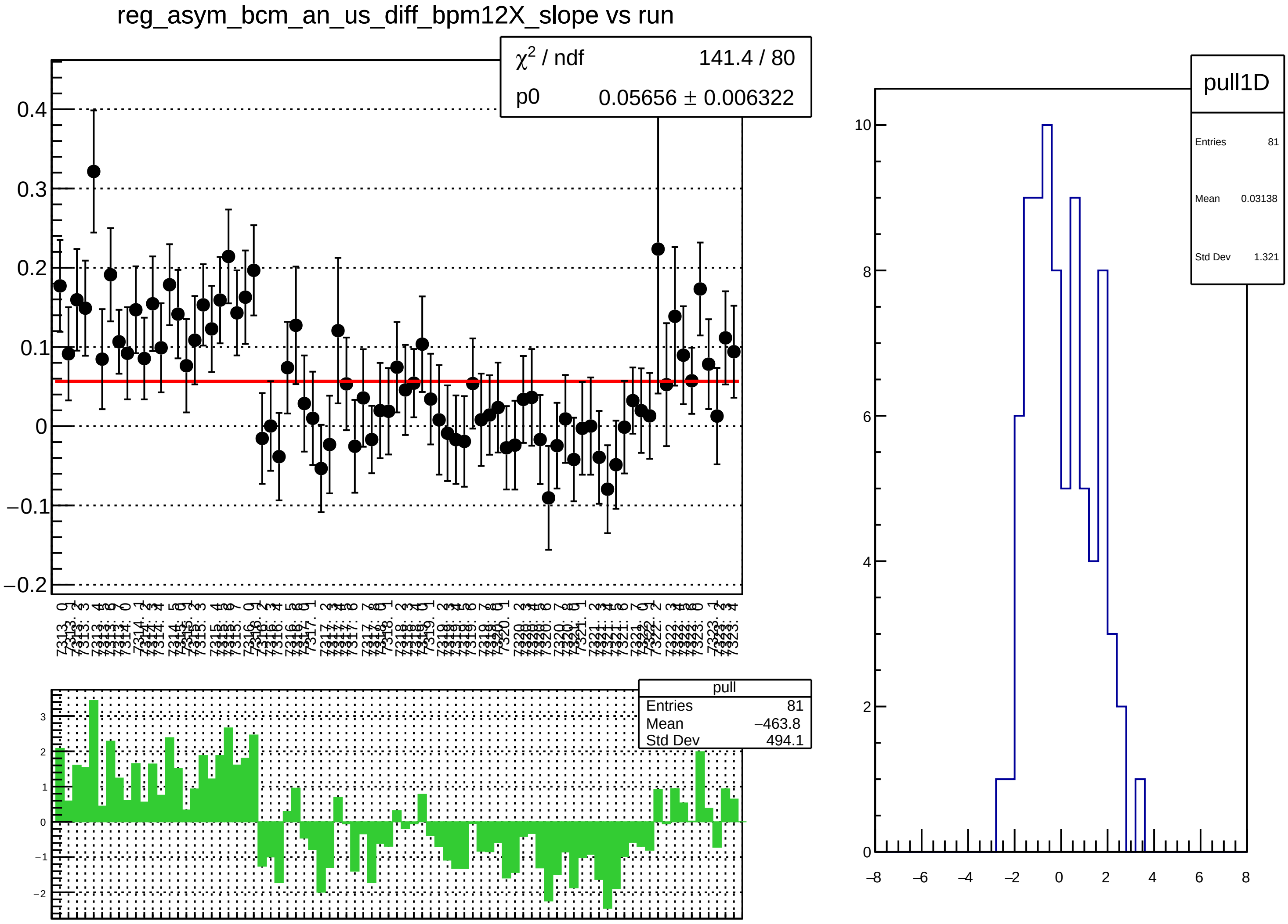

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ2 / ndf 825.9 / 80
p0 0.5082 ± 0.1375
pull
Entries 81
Mean 237.4
Std Dev 200.1
pull1D
Entries 81
Mean 0.2688
Std Dev 3.182



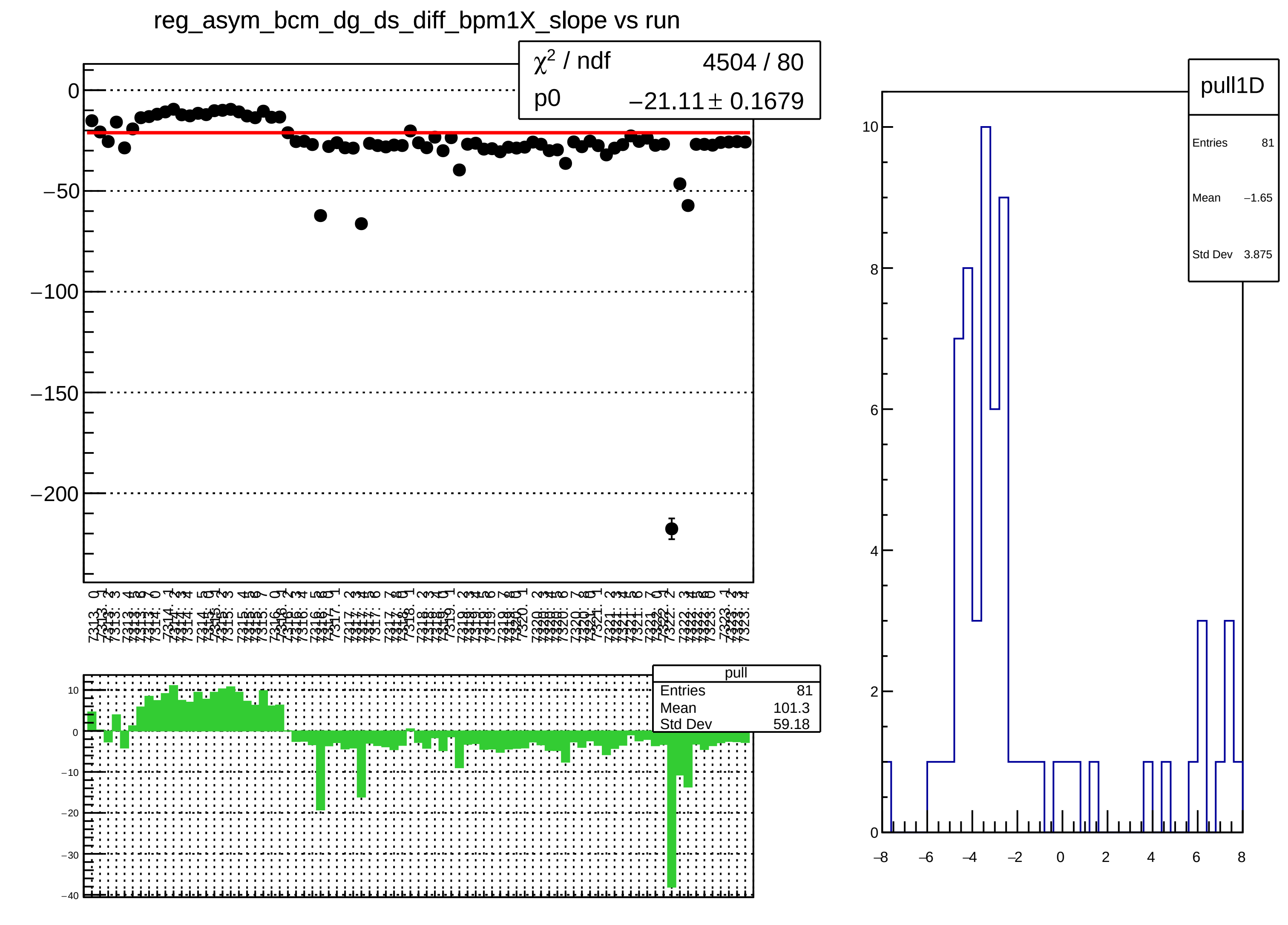
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 4486 / 80
p0 20.47 ± 0.1631
pull
Entries 81
Mean 100
Std Dev 57.84
pull1D
Entries 81
Mean 1.843
Std Dev 3.741



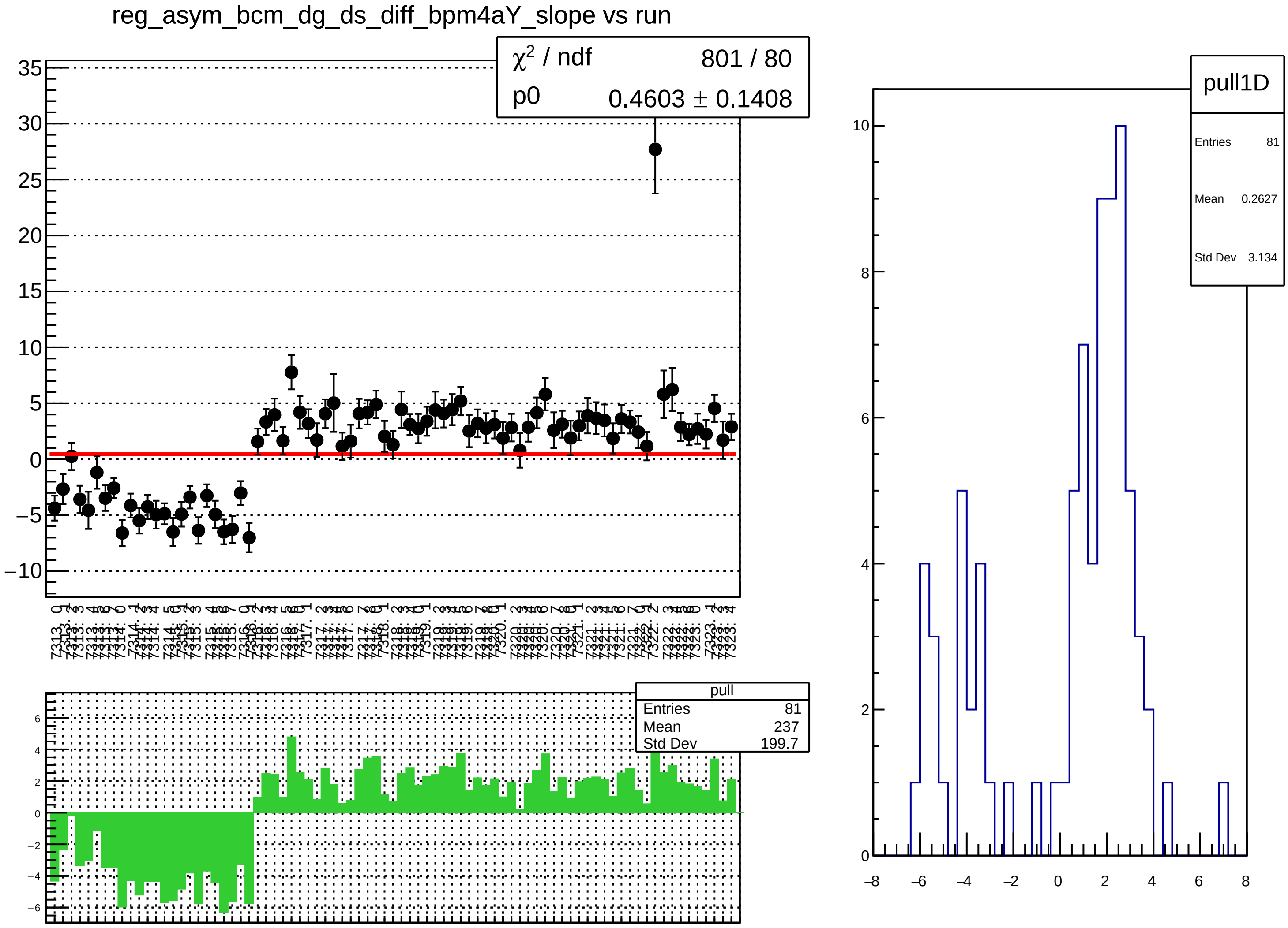
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ2 / ndf 928.1 / 80
p0 −1.666 ± 0.1492
pull
Entries 81
Mean 208.4
Std Dev 170.8
pull1D
Entries 81
Mean −0.3373
Std Dev 3.368



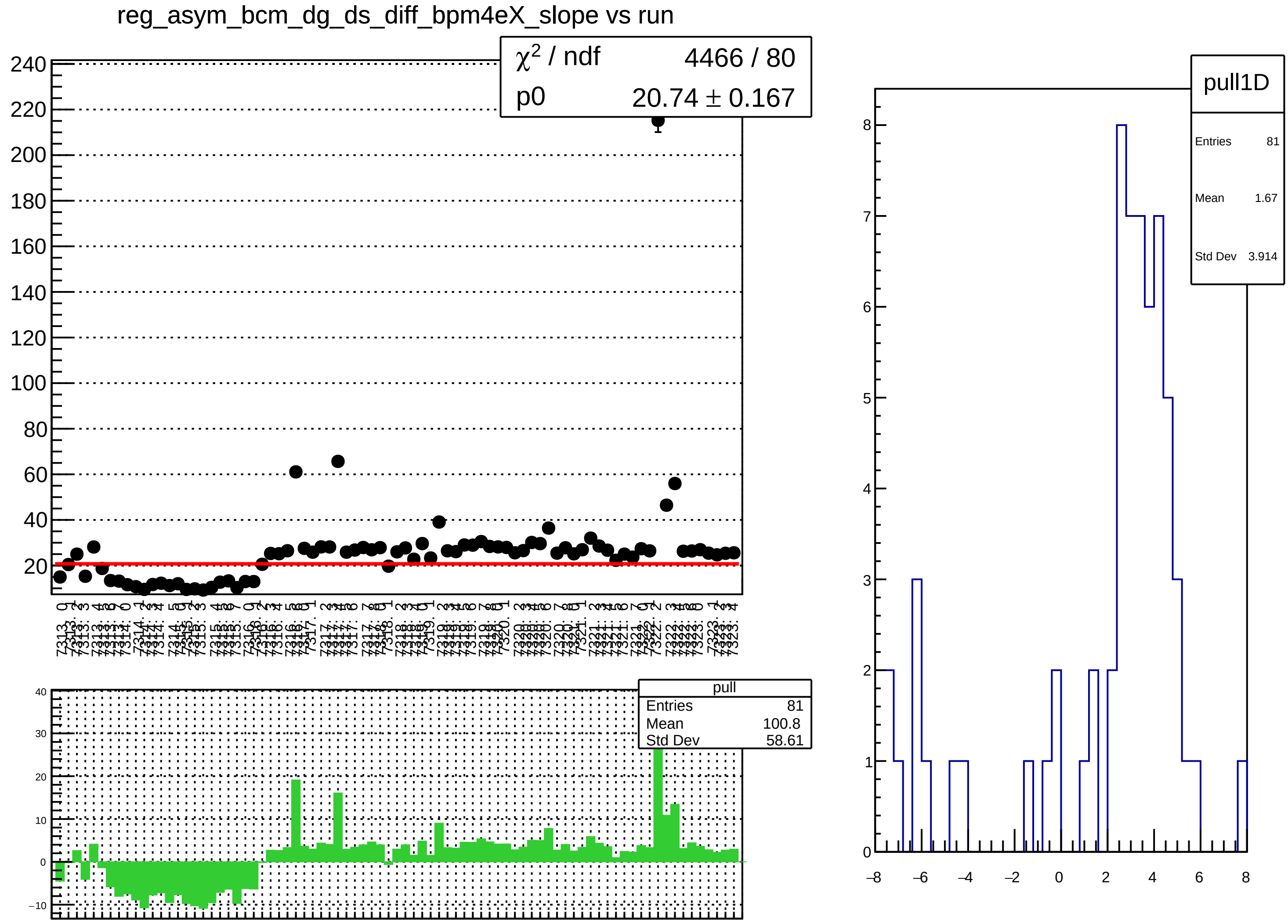
reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 141.4 / 80
p0 0.05656 ± 0.006322
pull
Entries 81
Mean −463.8
Std Dev 494.1
pull1D
Entries 81
Mean 0.03138
Std Dev 1.321

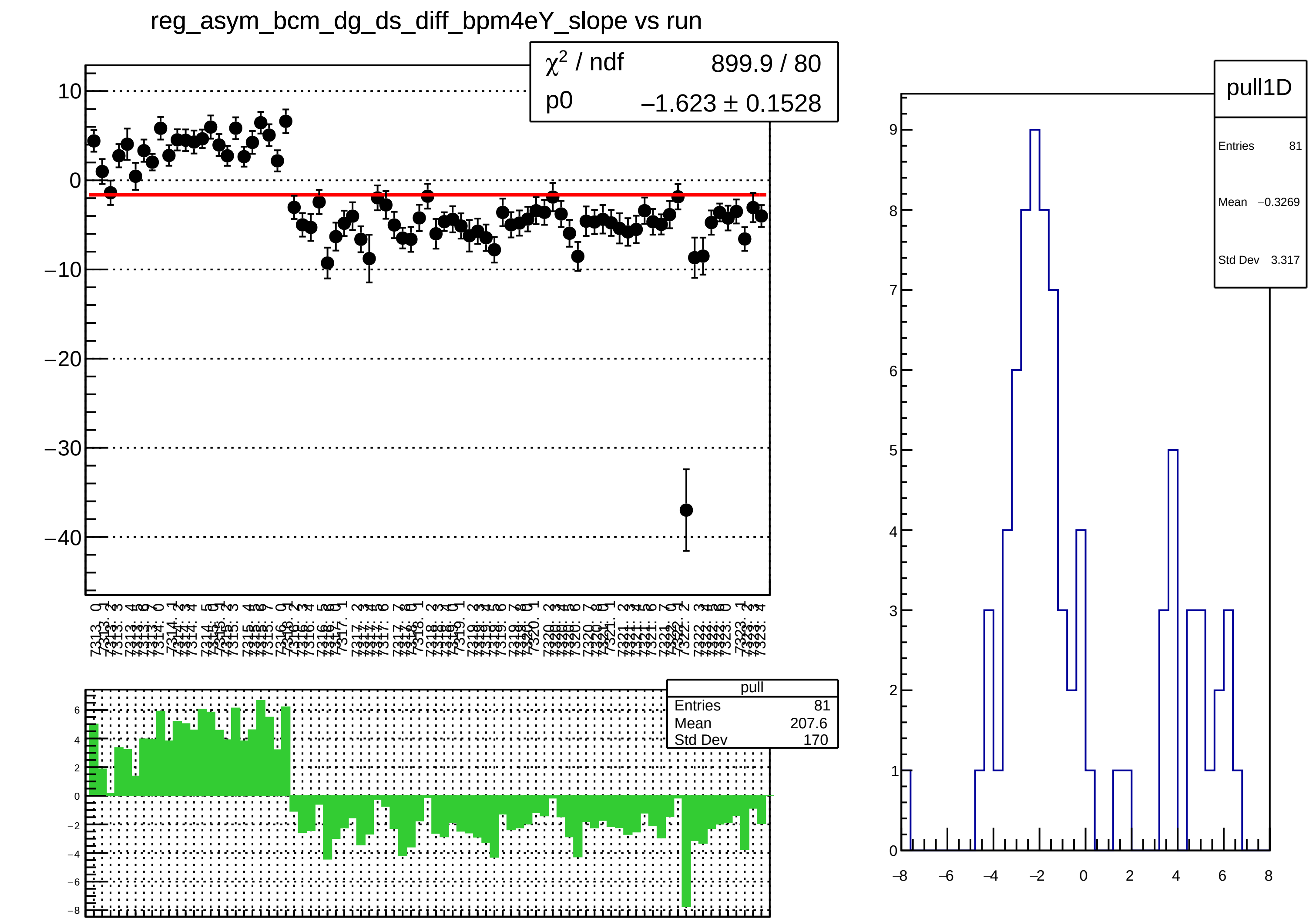


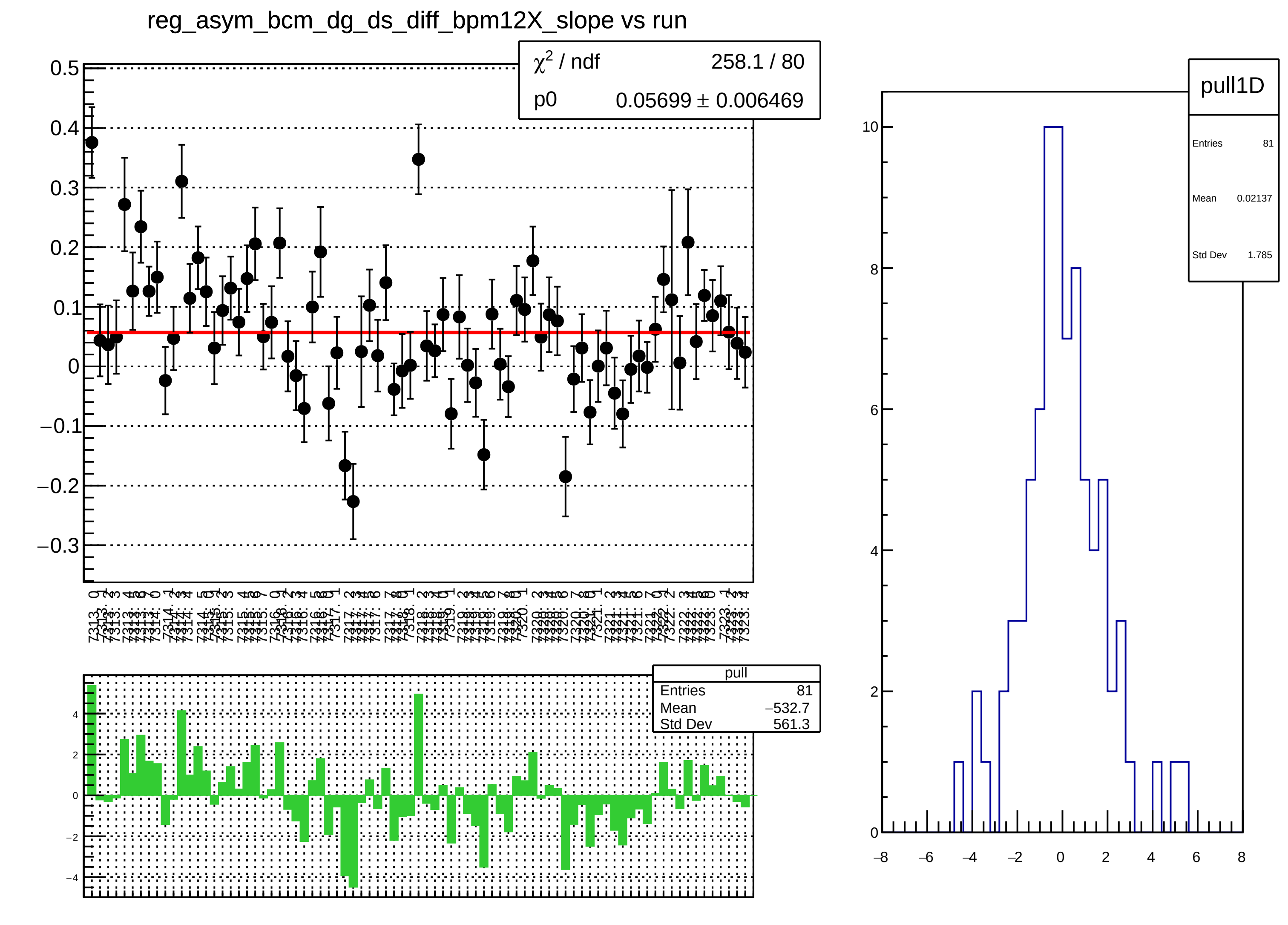
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 4504 / 80
p0 −21.11 ± 0.1679
pull
Entries 81
Mean 101.3
Std Dev 59.18
pull1D
Entries 81
Mean −1.65
Std Dev 3.875



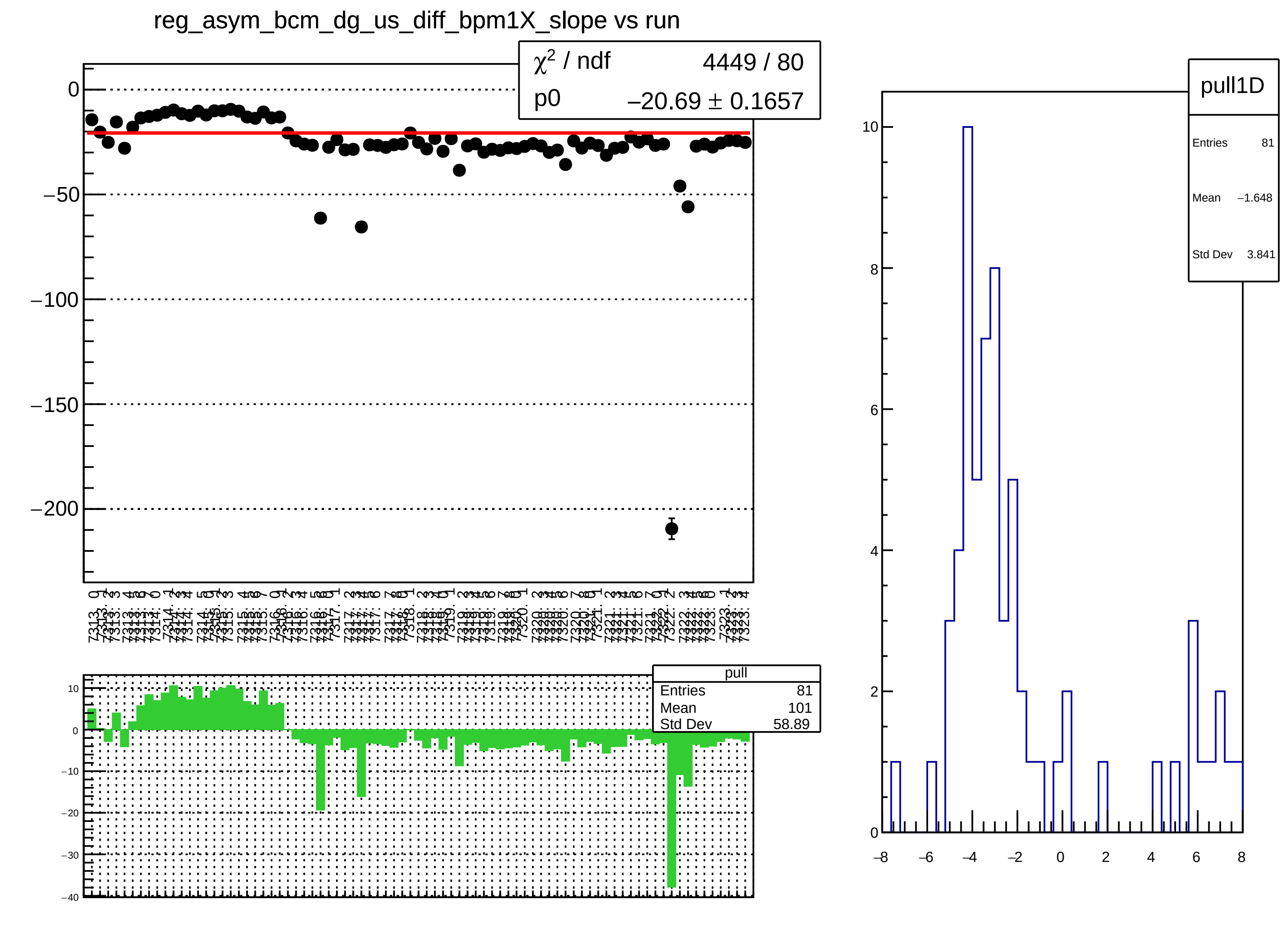
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 801 / 80
p0 0.4603 ± 0.1408
pull
Entries 81
Mean 237
Std Dev 199.7
pull1D
Entries 81
Mean 0.2627
Std Dev 3.134

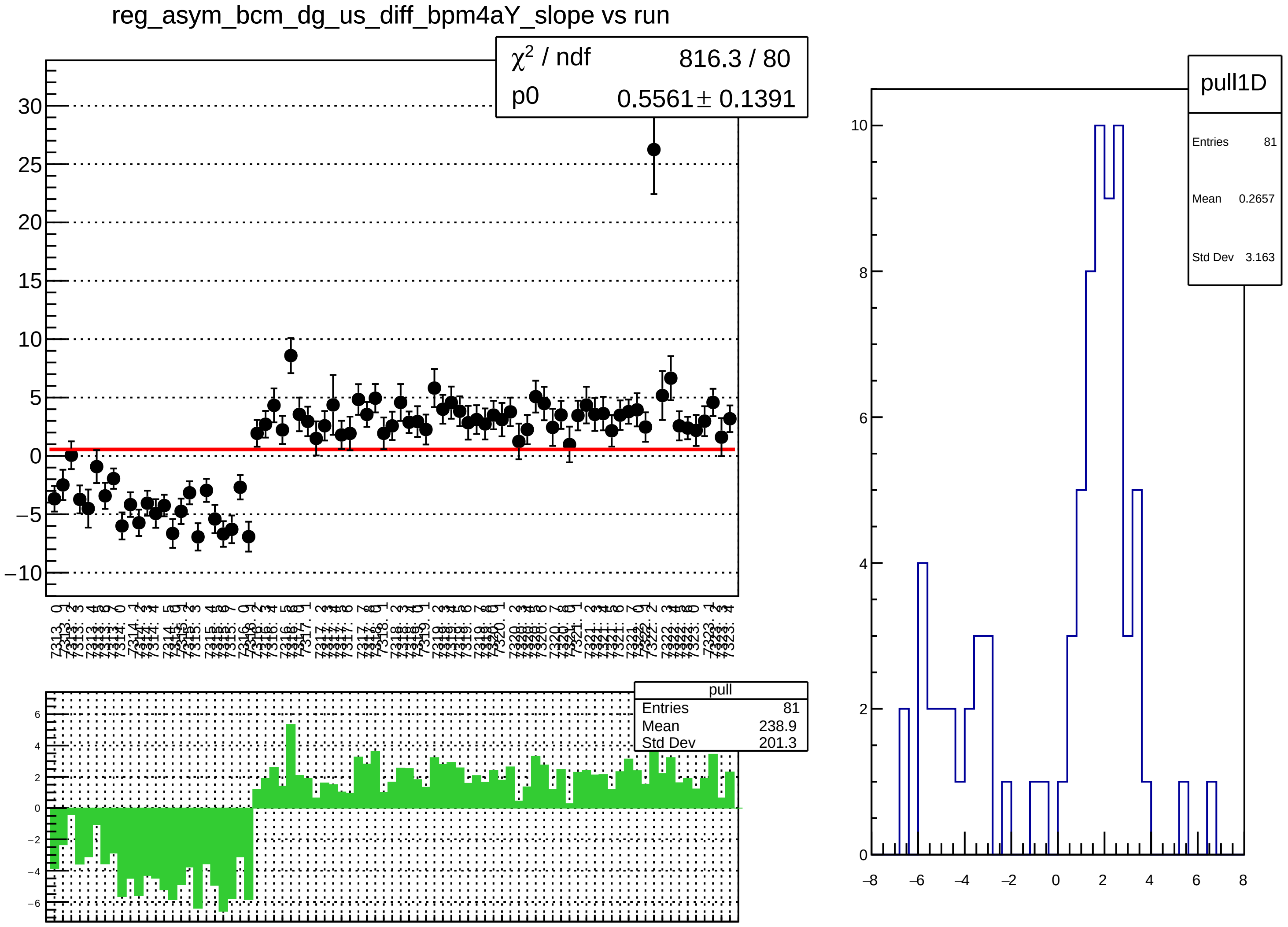

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 4466 / 80
p0 20.74 ± 0.167
pull
Entries 81
Mean 100.8
Std Dev 58.61
pull1D
Entries 81
Mean 1.67
Std Dev 3.914


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ2 / ndf 899.9 / 80
p0 −1.623 ± 0.1528
10
0
−10
−20
−30
−40
pull
Entries 81
Mean 207.6
Std Dev 170
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 81
Mean −0.3269
Std Dev 3.317
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

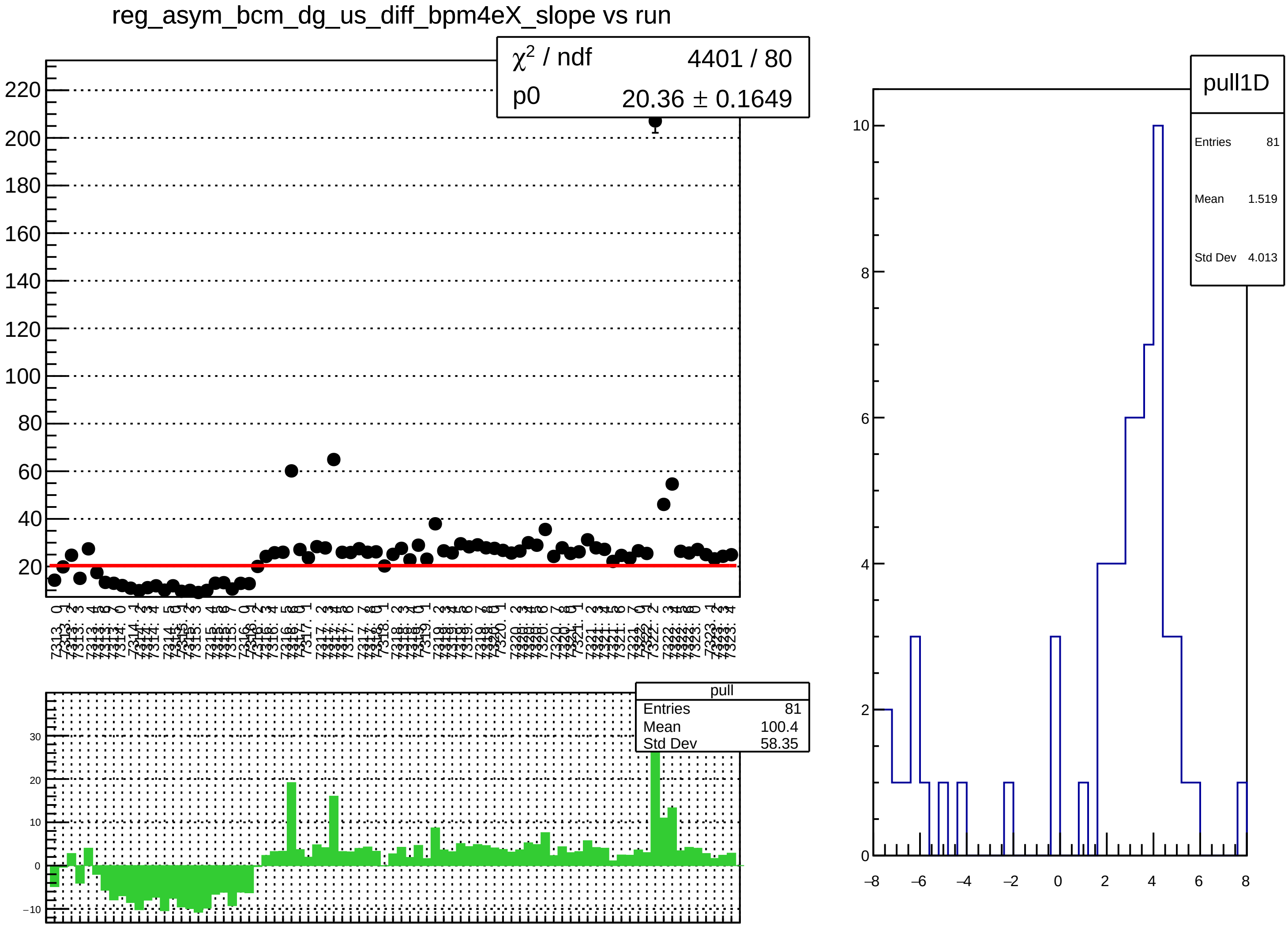


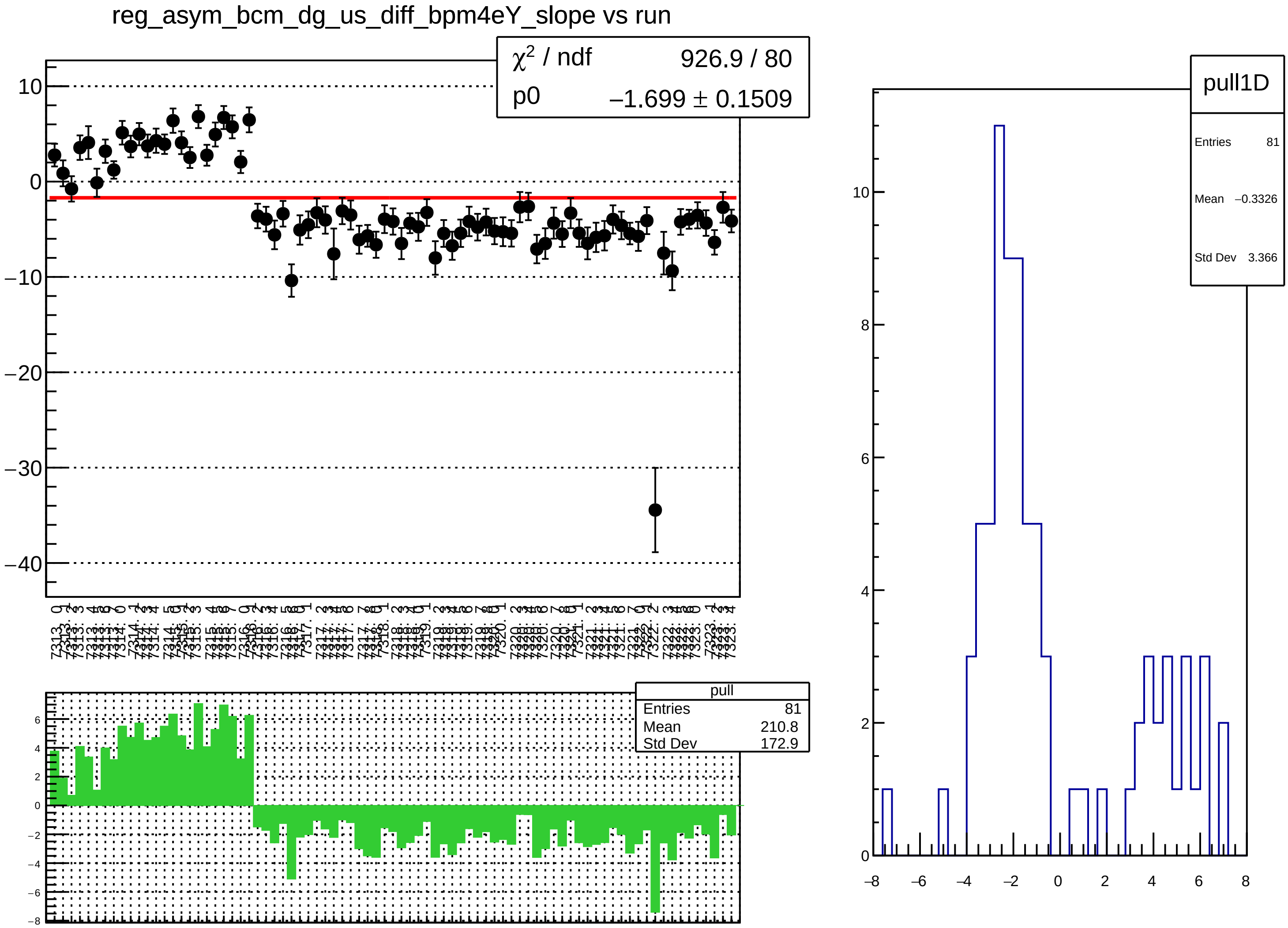
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 258.1 / 80
p0 0.05699 ± 0.006469
pull
Entries 81
Mean −532.7
Std Dev 561.3
pull1D
Entries 81
Mean 0.02137
Std Dev 1.785


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 4449 / 80
p0 −20.69 ± 0.1657
0
−50
−100
−150
−200
pull
Entries 81
Mean 101
Std Dev 58.89
10
0
−10
−20
−30
−40
pull1D
Entries 81
Mean −1.648
Std Dev 3.841
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

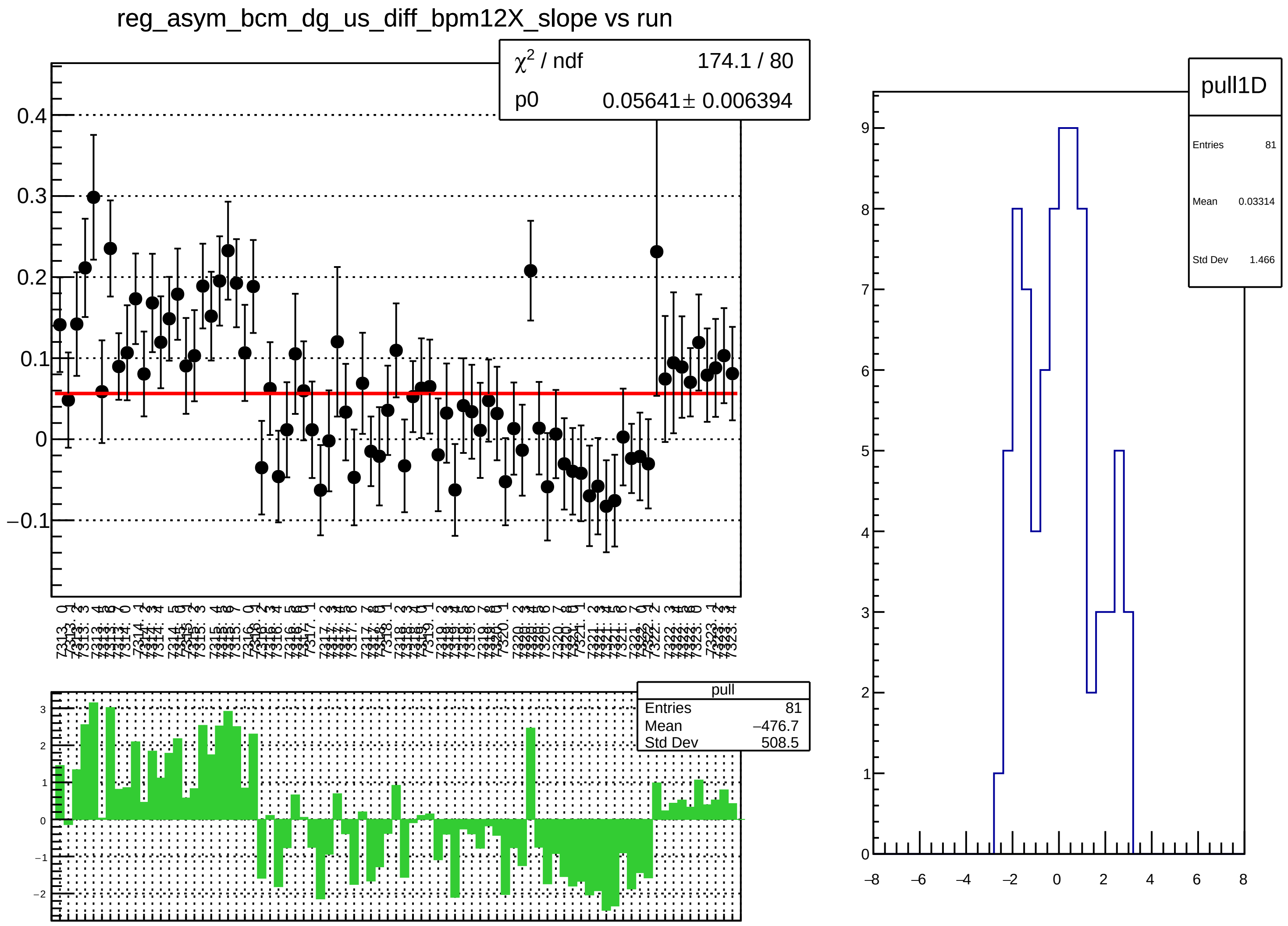


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 816.3 / 80
p0 0.5561 ± 0.1391
pull
Entries 81
Mean 238.9
Std Dev 201.3
pull1D
Entries 81
Mean 0.2657
Std Dev 3.163


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 4401 / 80
p0 20.36 ± 0.1649
pull
Entries 81
Mean 100.4
Std Dev 58.35
pull1D
Entries 81
Mean 1.519
Std Dev 4.013



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ^2 / ndf 926.9 / 80
p0 −1.699 ± 0.1509
pull
Entries 81
Mean 210.8
Std Dev 172.9
pull1D
Entries 81
Mean −0.3326
Std Dev 3.366



reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 174.1 / 80
p0 0.05641 ± 0.006394
pull
Entries 81
Mean −476.7
Std Dev 508.5
pull1D
Entries 81
Mean 0.03314
Std Dev 1.466