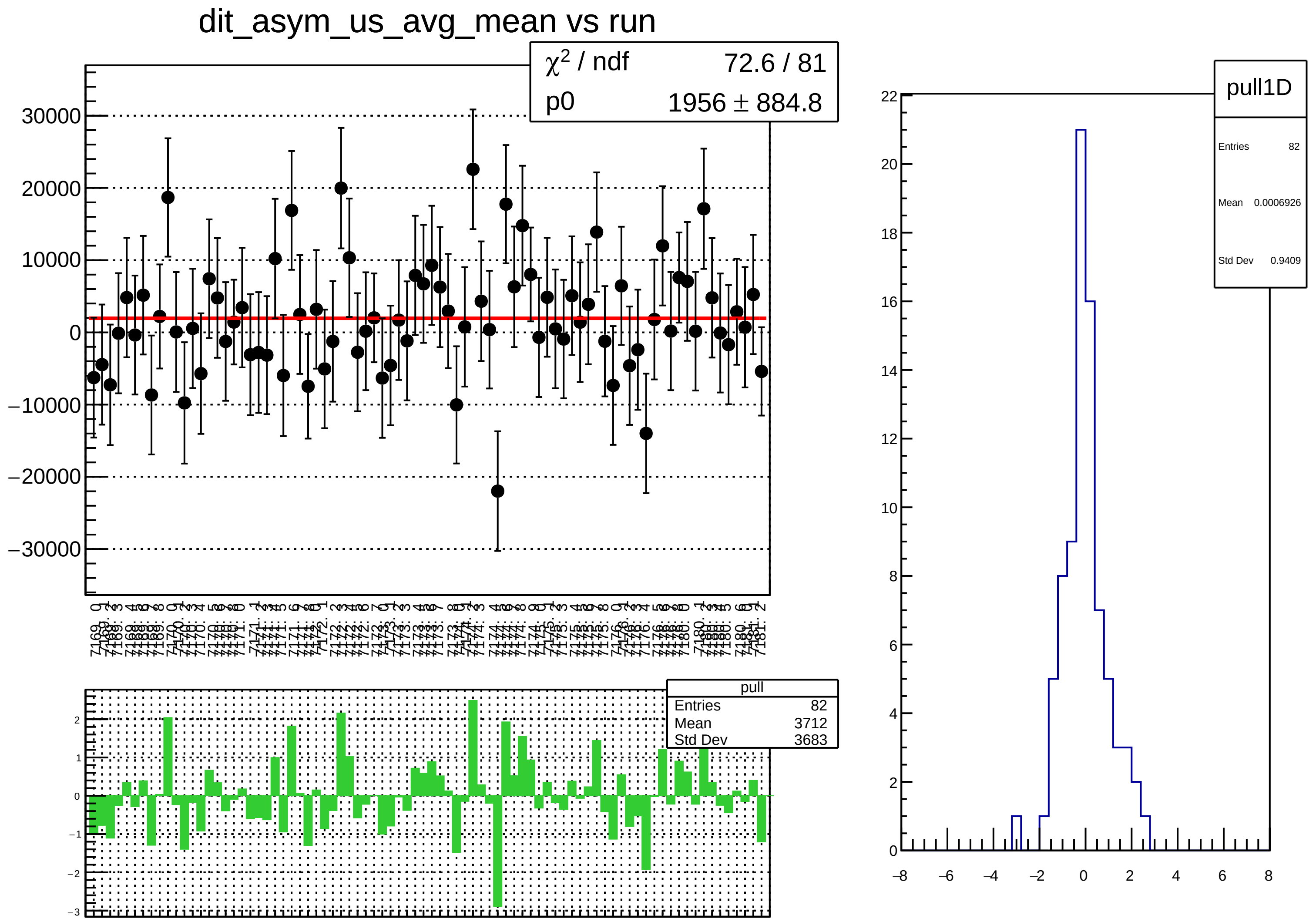
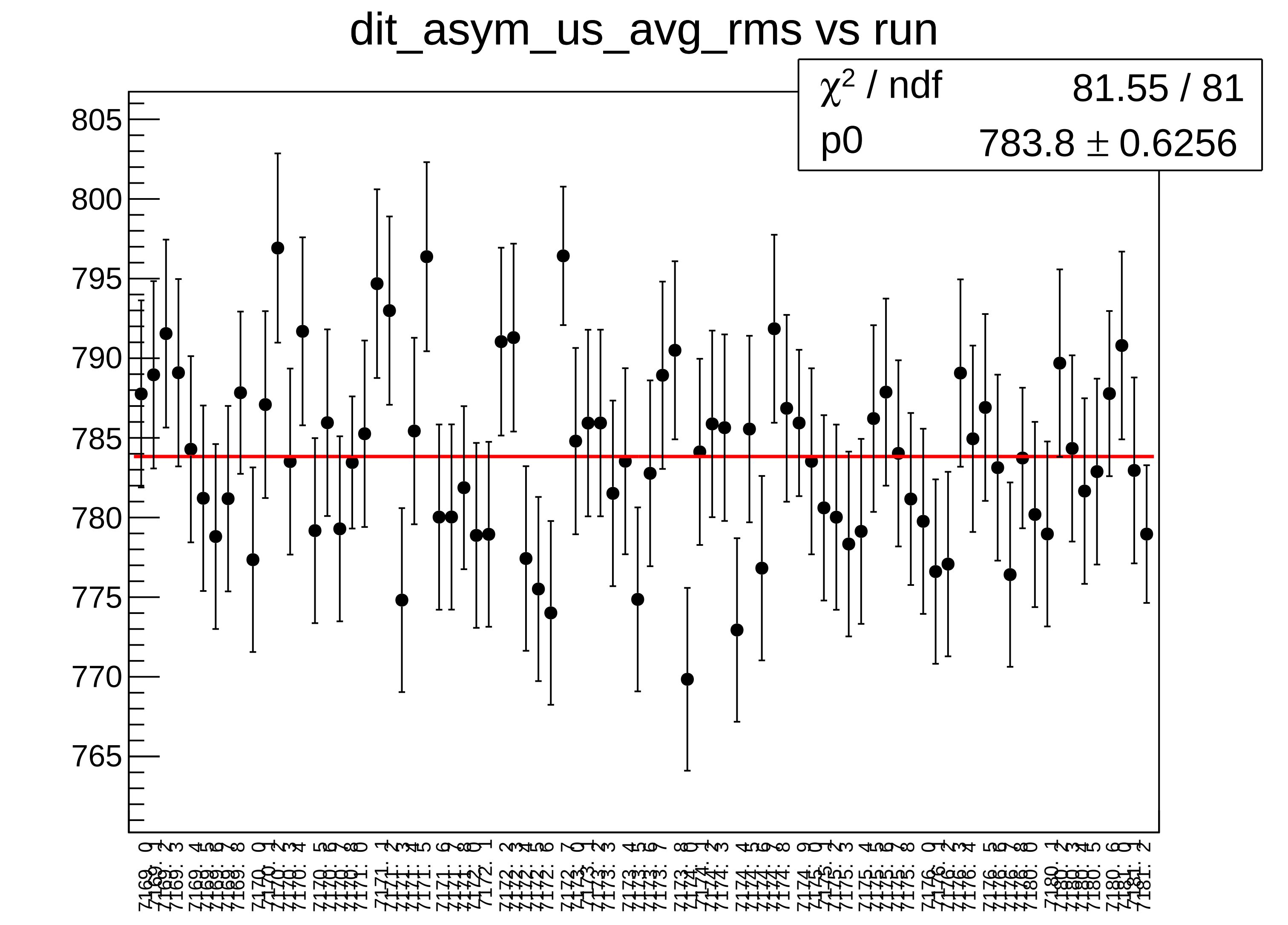
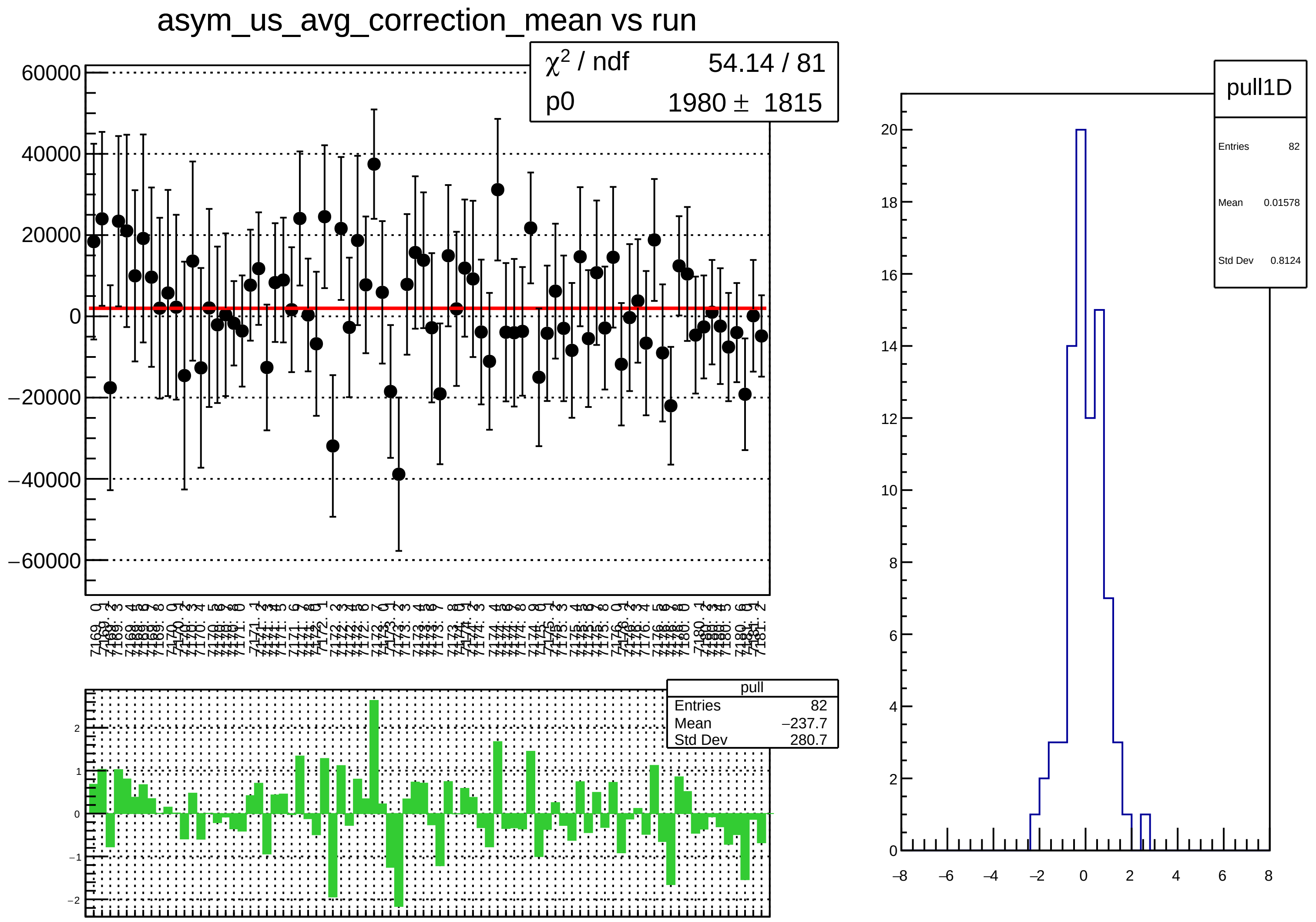
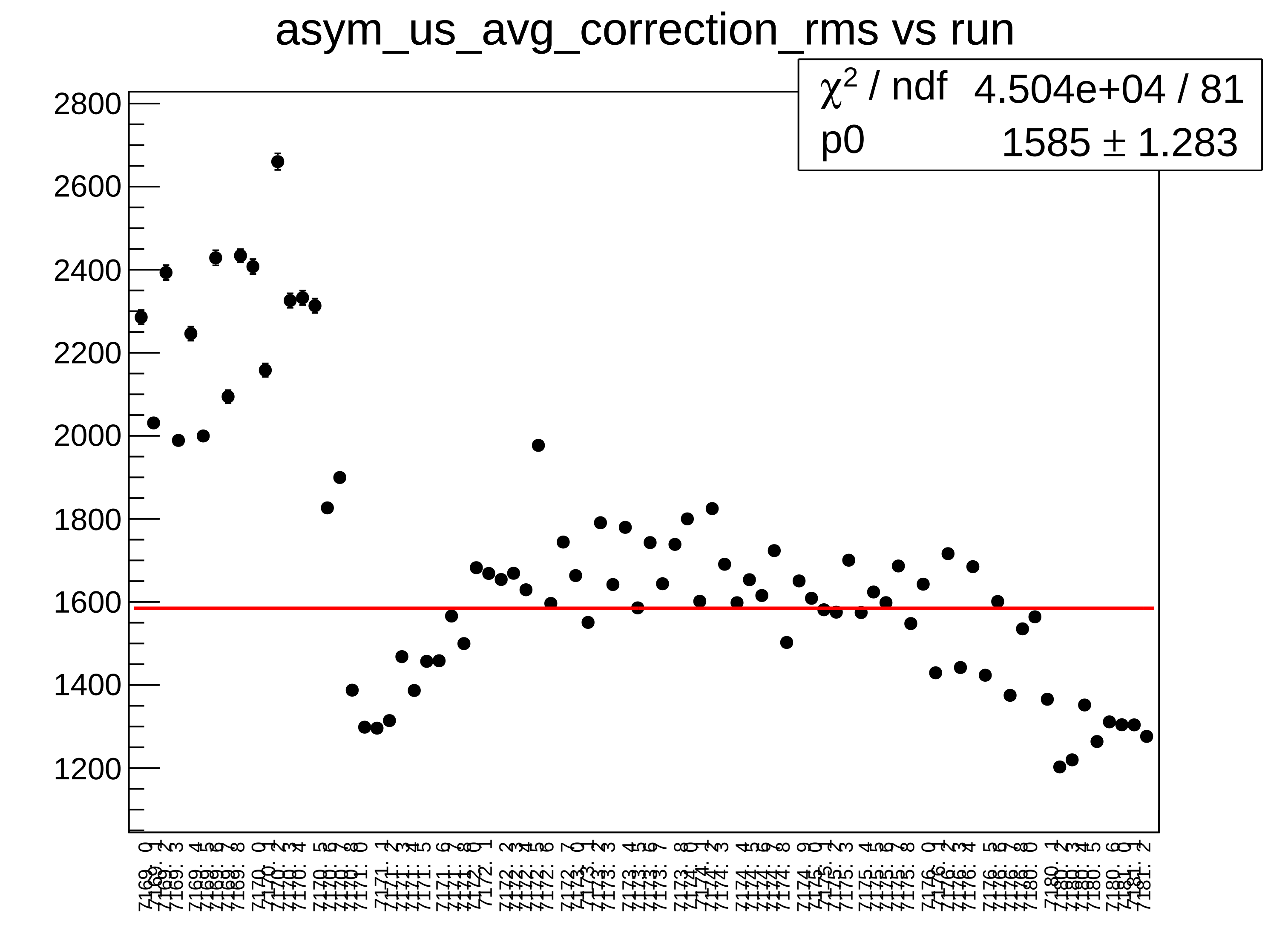
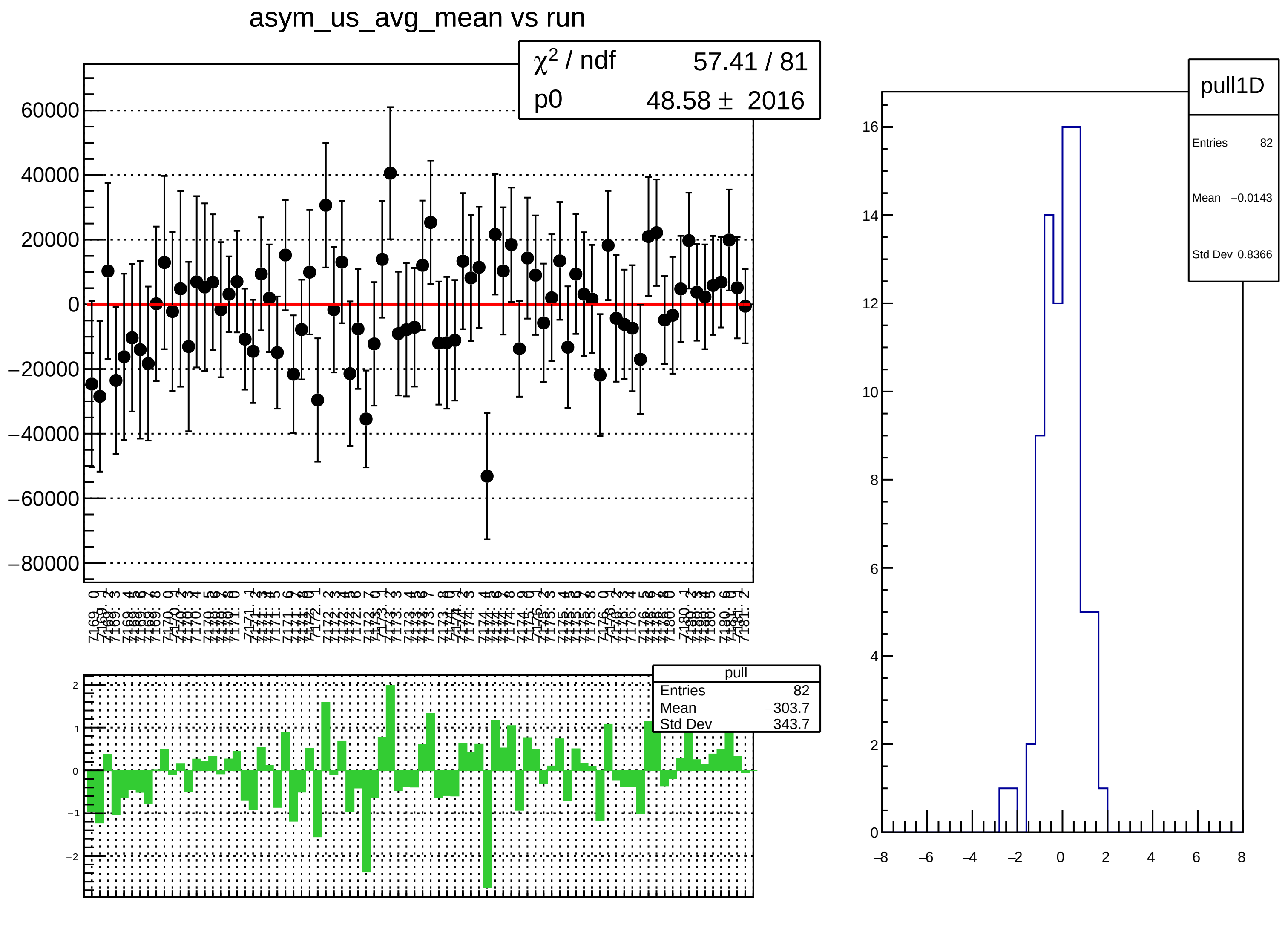


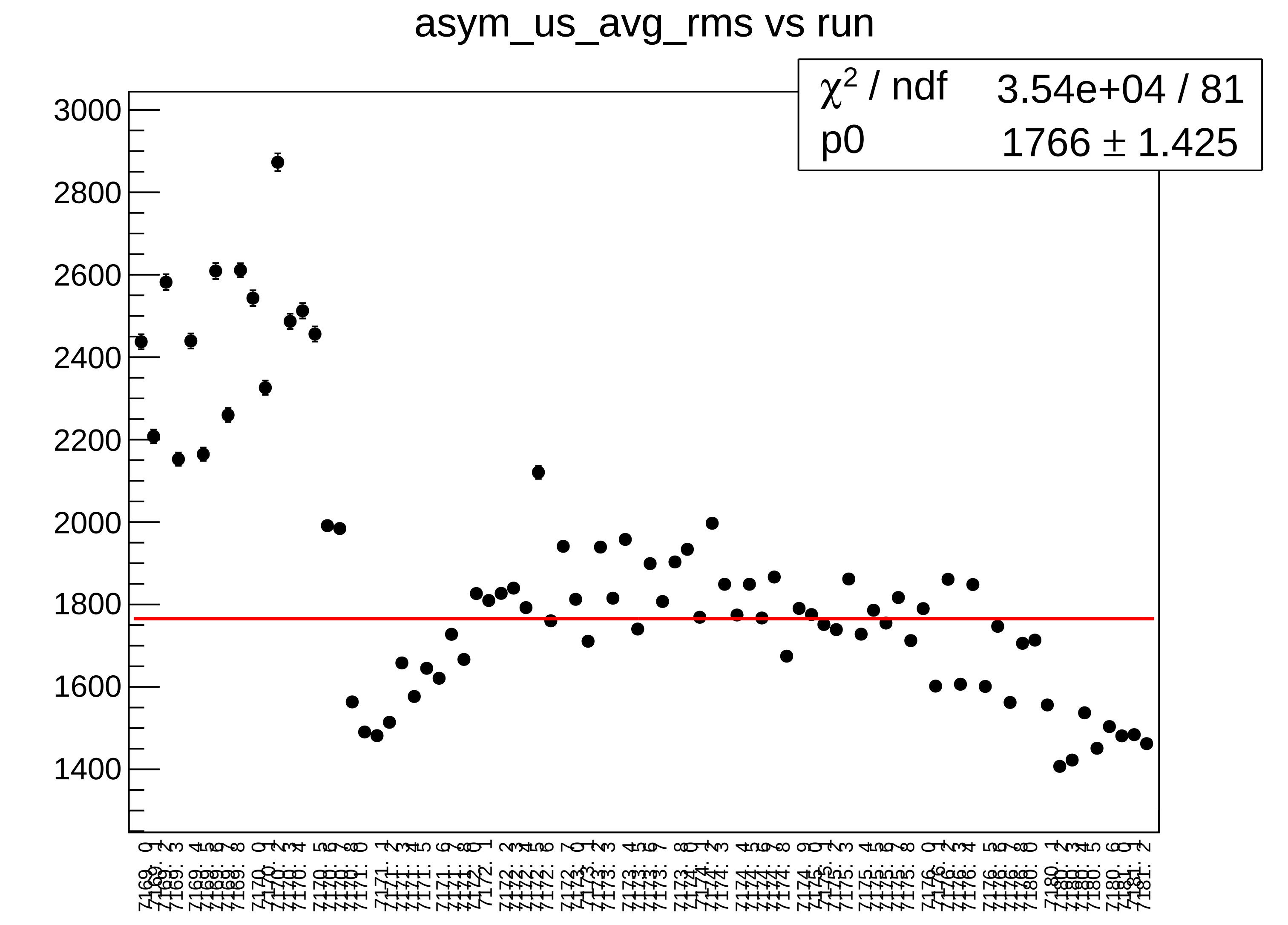
dit_asym_us_avg_mean vs run
χ2 / ndf 72.6 / 81
p0 1956 ± 884.8
pull
Entries 82
Mean 3712
Std Dev 3683
pull1D
Entries 82
Mean 0.0006926
Std Dev 0.9409

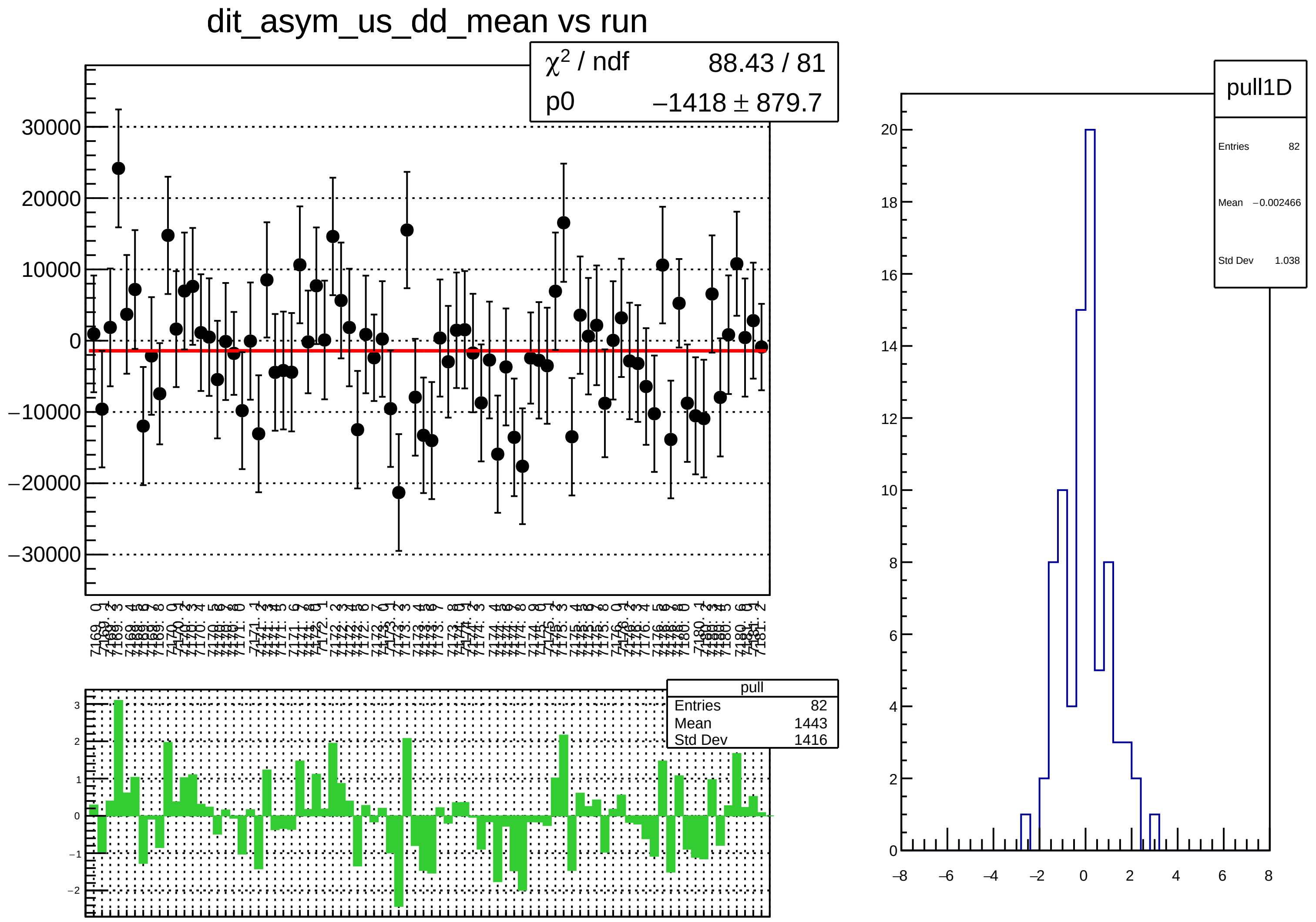

dit_asym_us_avg_rms vs run
χ2 / ndf 81.55 / 81
p0 783.8 ± 0.6256
805
800
795
790
785
780
775
770
765

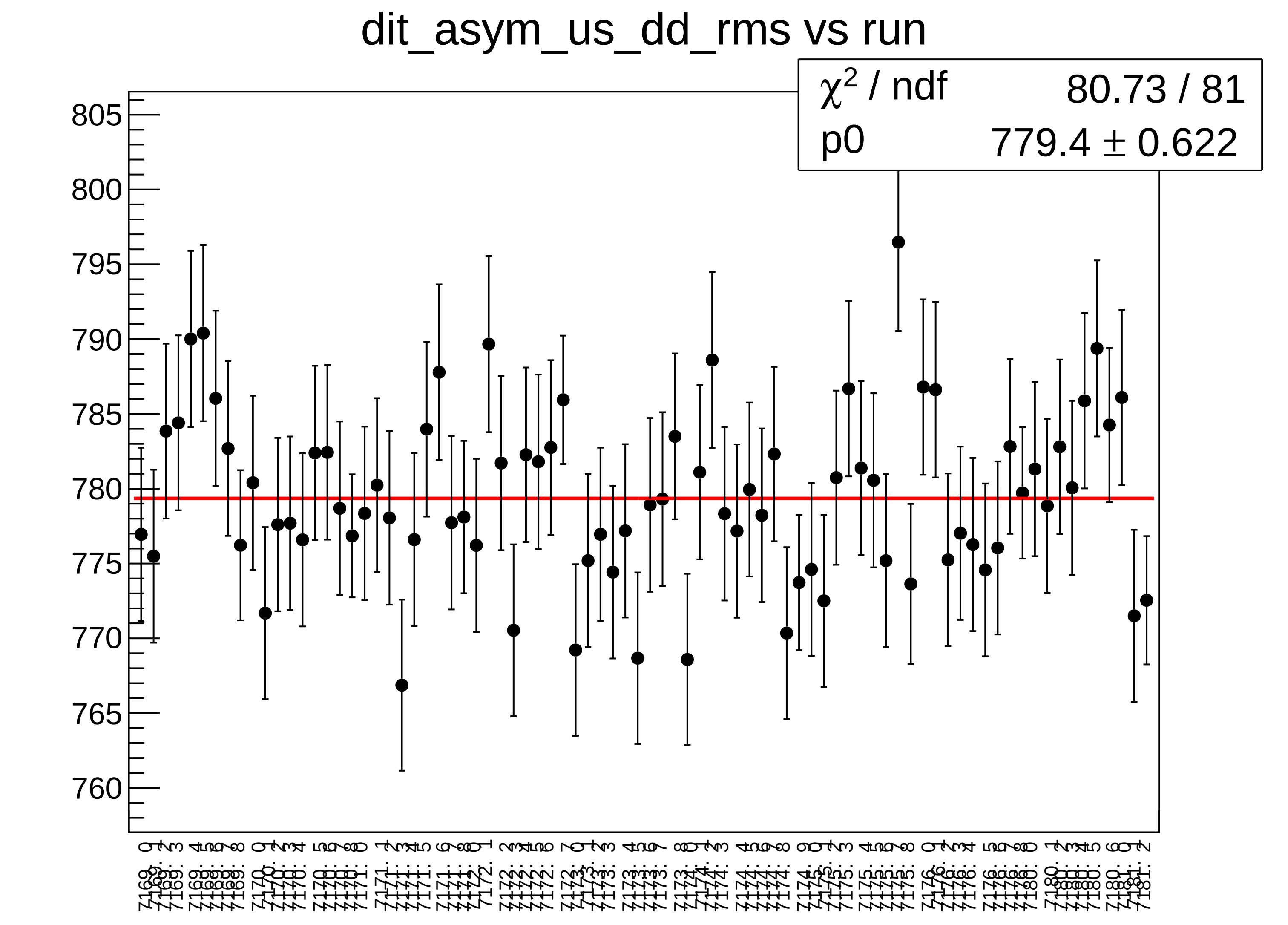

asym_us_avg_correction_mean vs run
χ^2 / ndf 54.14 / 81
p0 1980 ± 1815
pull
Entries 82
Mean −237.7
Std Dev 280.7
pull1D
Entries 82
Mean 0.01578
Std Dev 0.8124

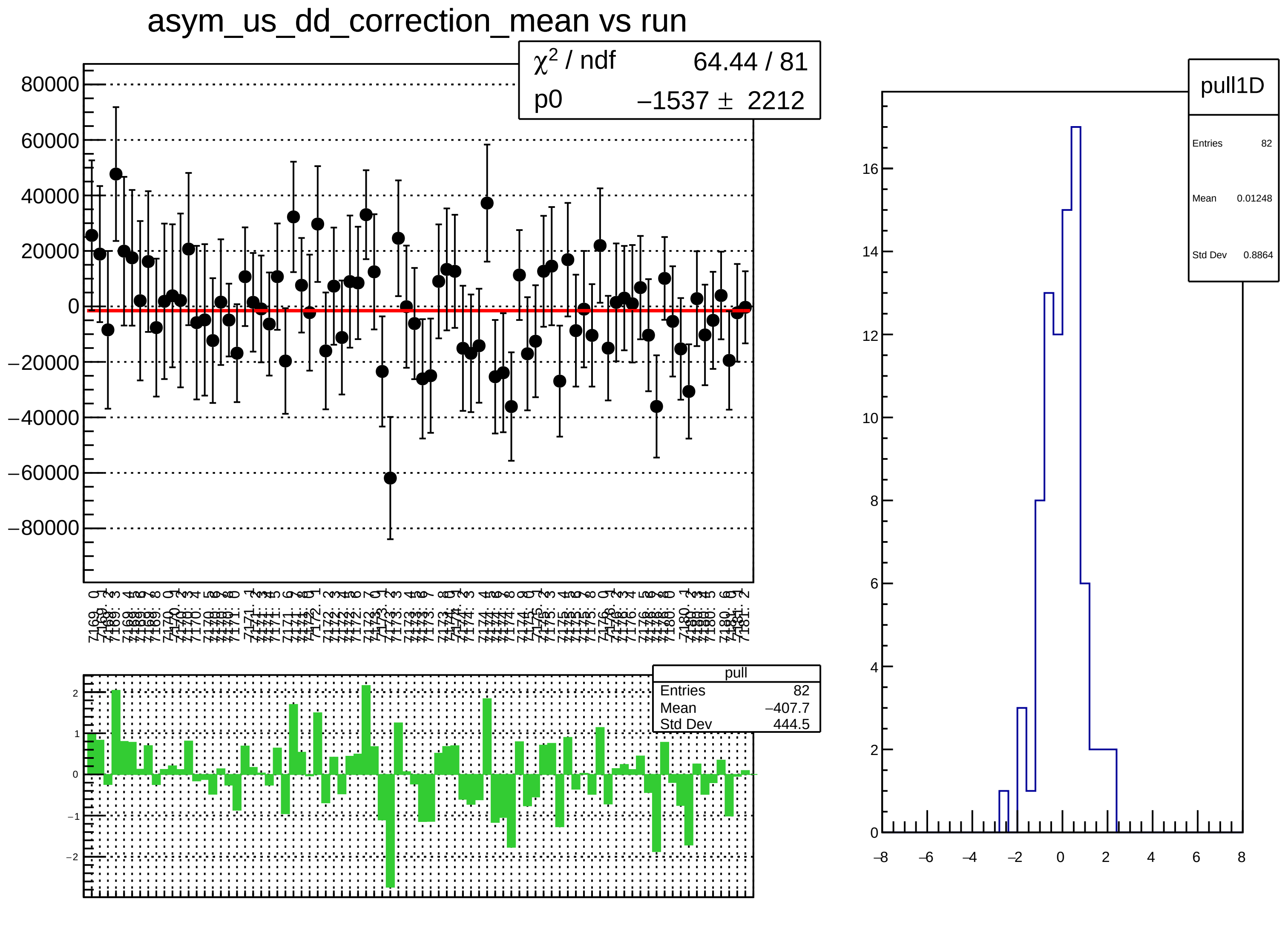

asym_us_avg_correction_rms vs run
χ^2 / ndf 4.504e+04 / 81
p0 1585 ± 1.283
2800
2600
2400
2200
2000
1800
1600
1400
1200


asym_us_avg_mean vs run
χ2 / ndf 57.41 / 81
p0 48.58 ± 2016
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −303.7
Std Dev 343.7
pull1D
Entries 82
Mean −0.0143
Std Dev 0.8366

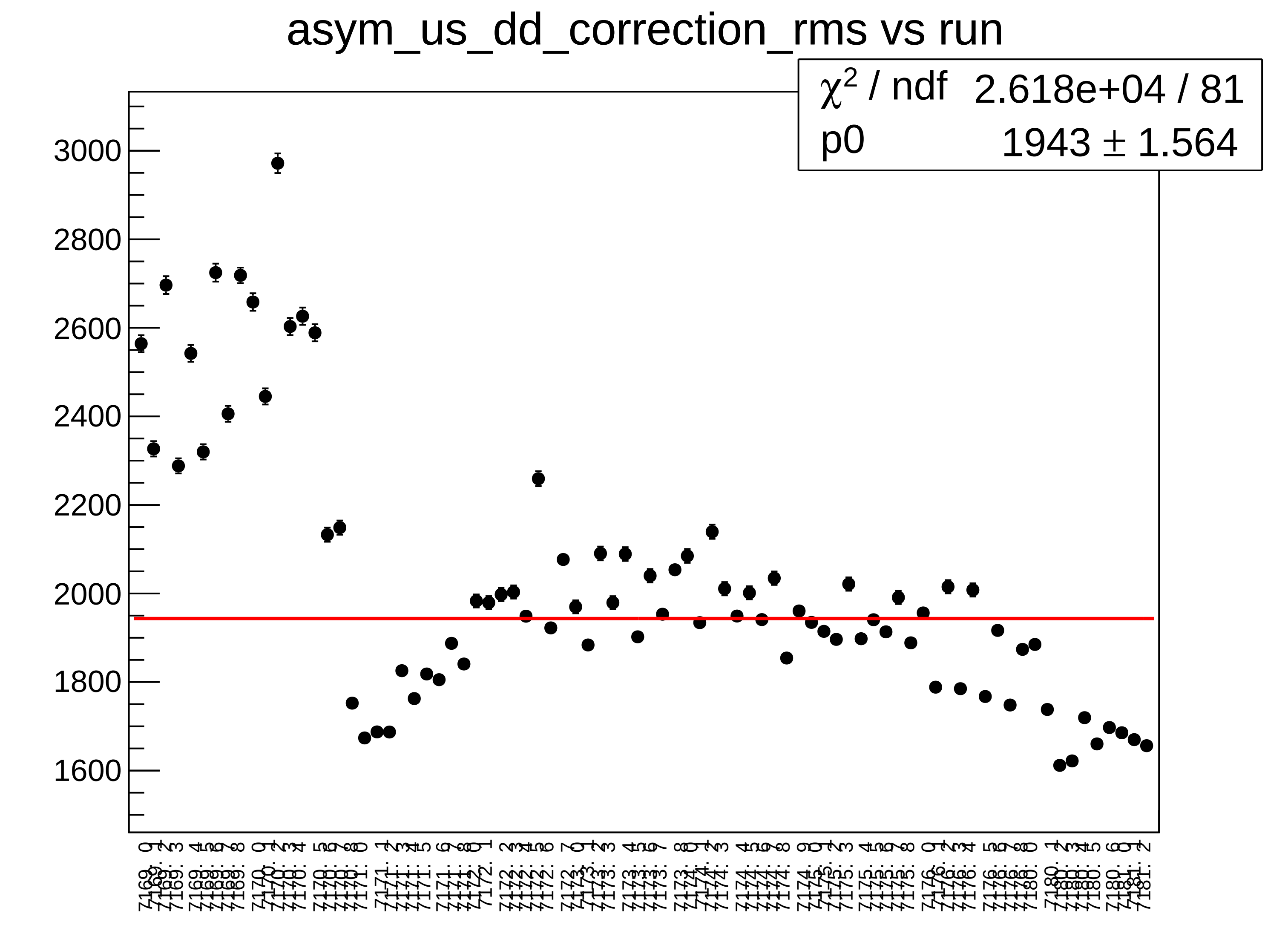

asym_us_avg_rms vs run
χ^2 / ndf 3.54e+04 / 81
p0 1766 ± 1.425
3000
2800
2600
2400
2200
2000
1800
1600
1400

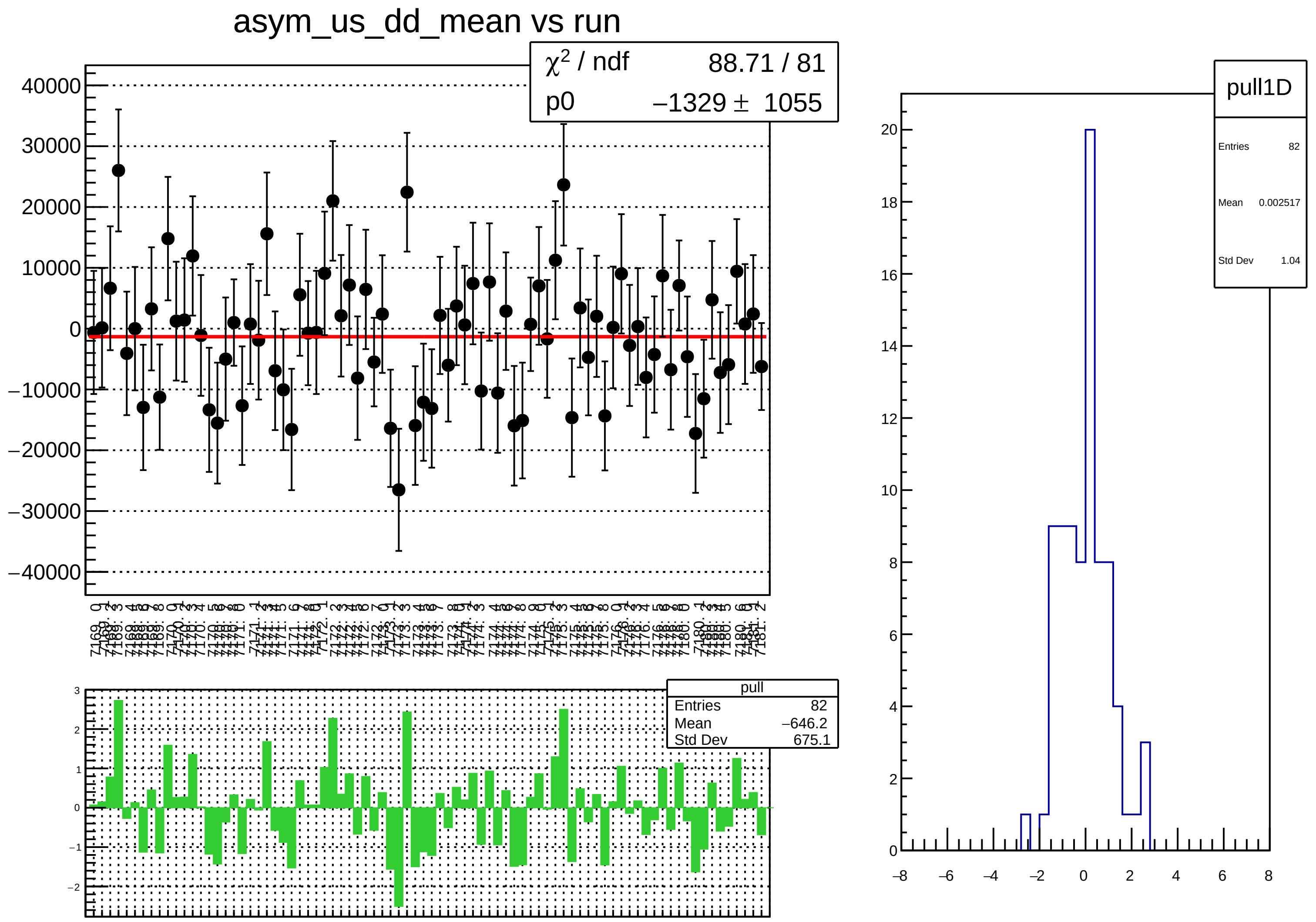

dit_asym_us_dd_mean vs run
χ^2 / ndf 88.43 / 81
p0 −1418 ± 879.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 1443
Std Dev 1416
pull1D
Entries 82
Mean −0.002466
Std Dev 1.038

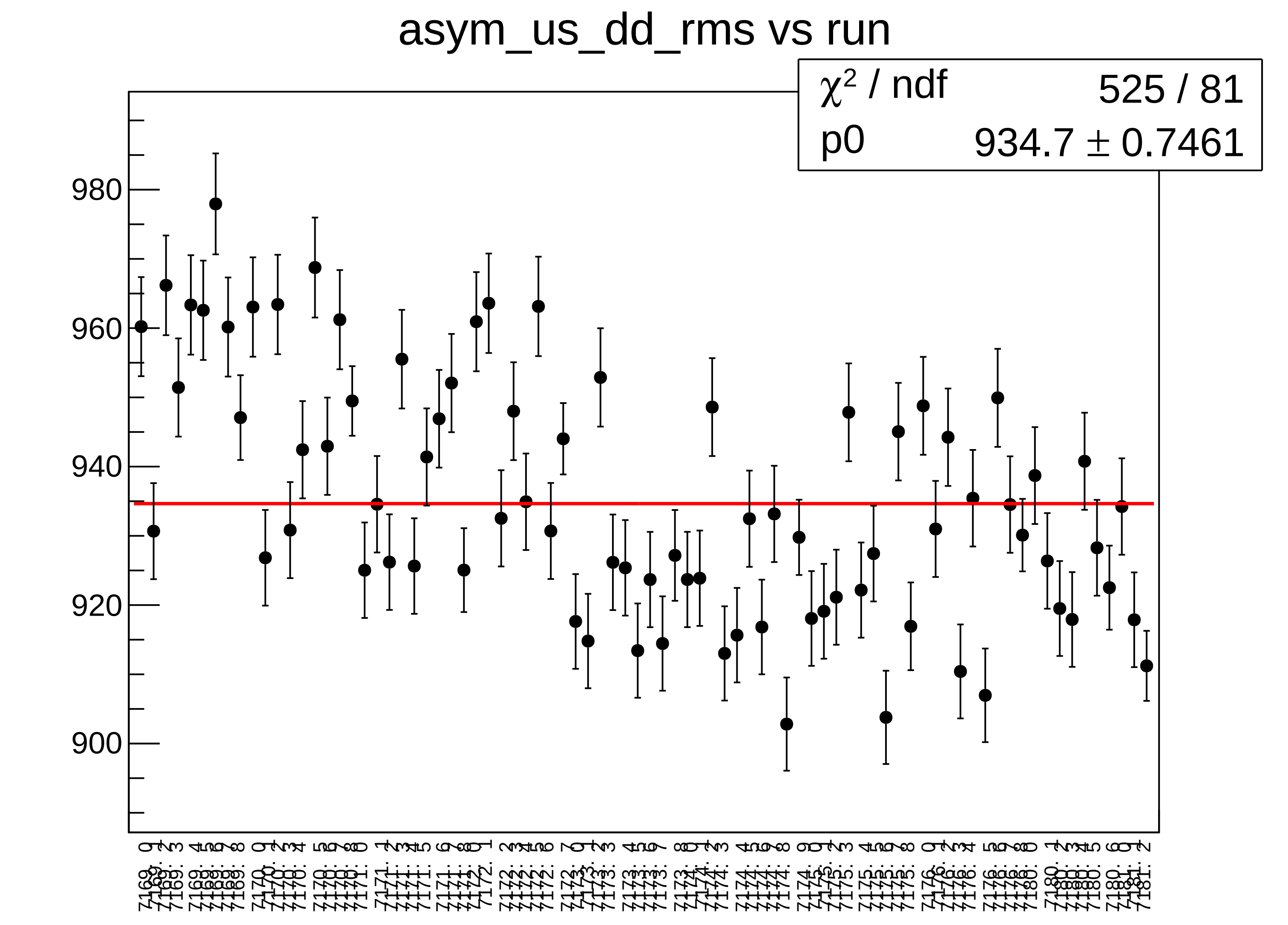

dit_asym_us_dd_rms vs run
χ2 / ndf 80.73 / 81
p0 779.4 ± 0.622
805
800
795
790
785
780
775
770
765
760

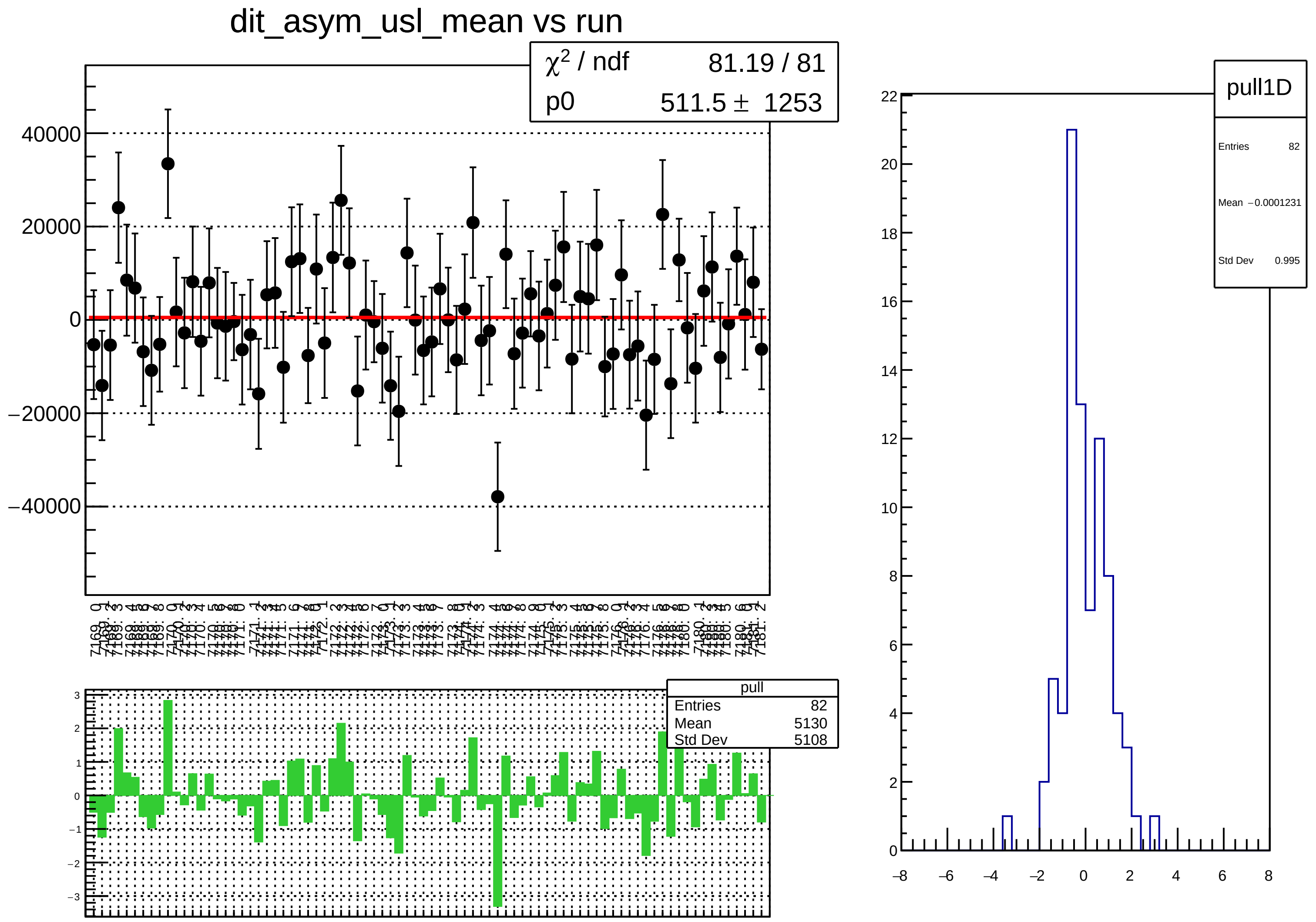


asym_us_dd_correction_mean vs run
χ^2 / ndf 64.44 / 81
p0 −1537 ± 2212
pull
Entries 82
Mean −407.7
Std Dev 444.5
pull1D
Entries 82
Mean 0.01248
Std Dev 0.8864

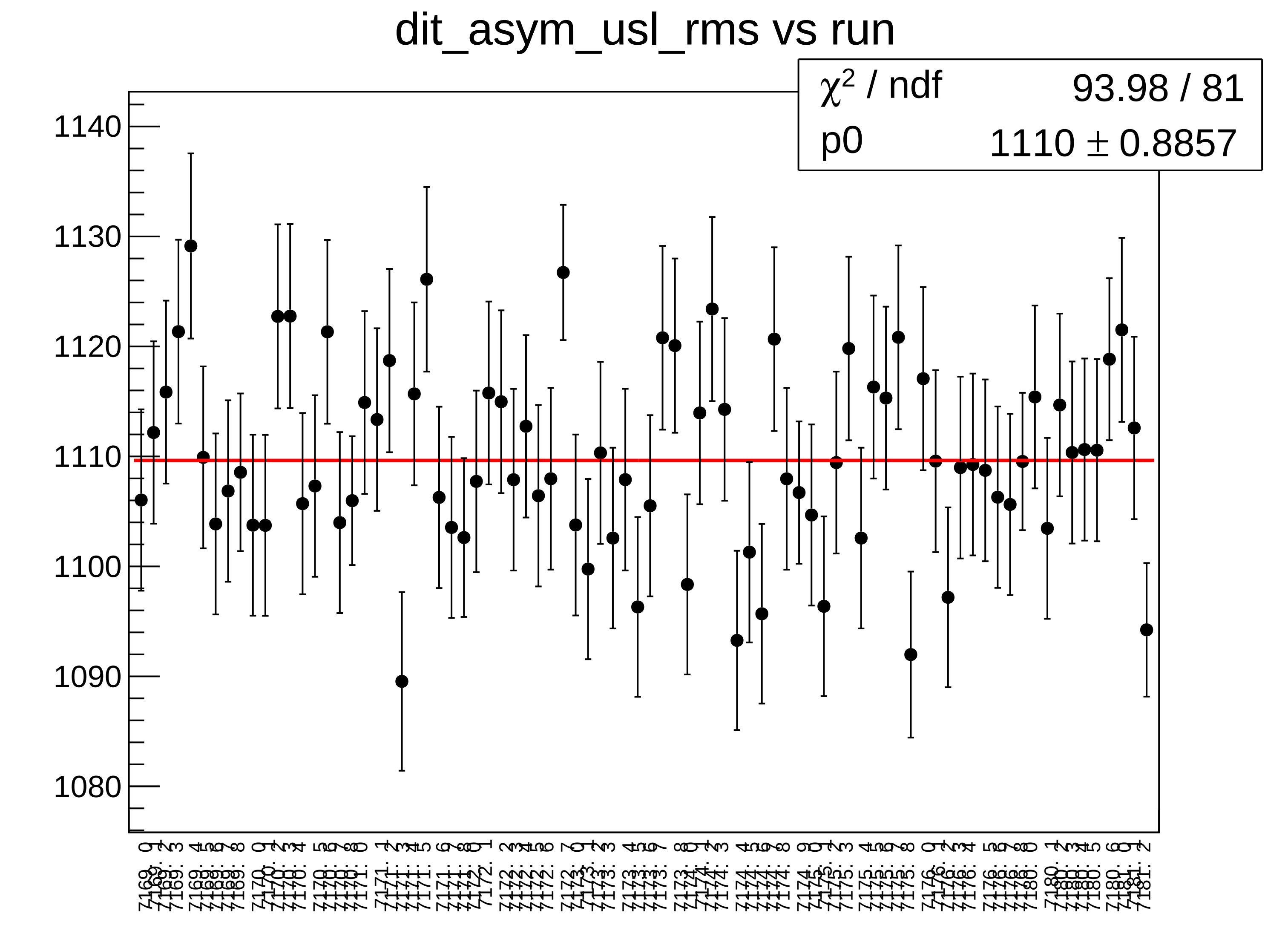

asym_us_dd_correction_rms vs run
χ^2 / ndf 2.618e+04 / 81
p0 1943 ± 1.564
3000
2800
2600
2400
2200
2000
1800
1600


asym_us_dd_mean vs run
χ^2 / ndf 88.71 / 81
p0 −1329 ± 1055
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −646.2
Std Dev 675.1
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.002517
Std Dev 1.04
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

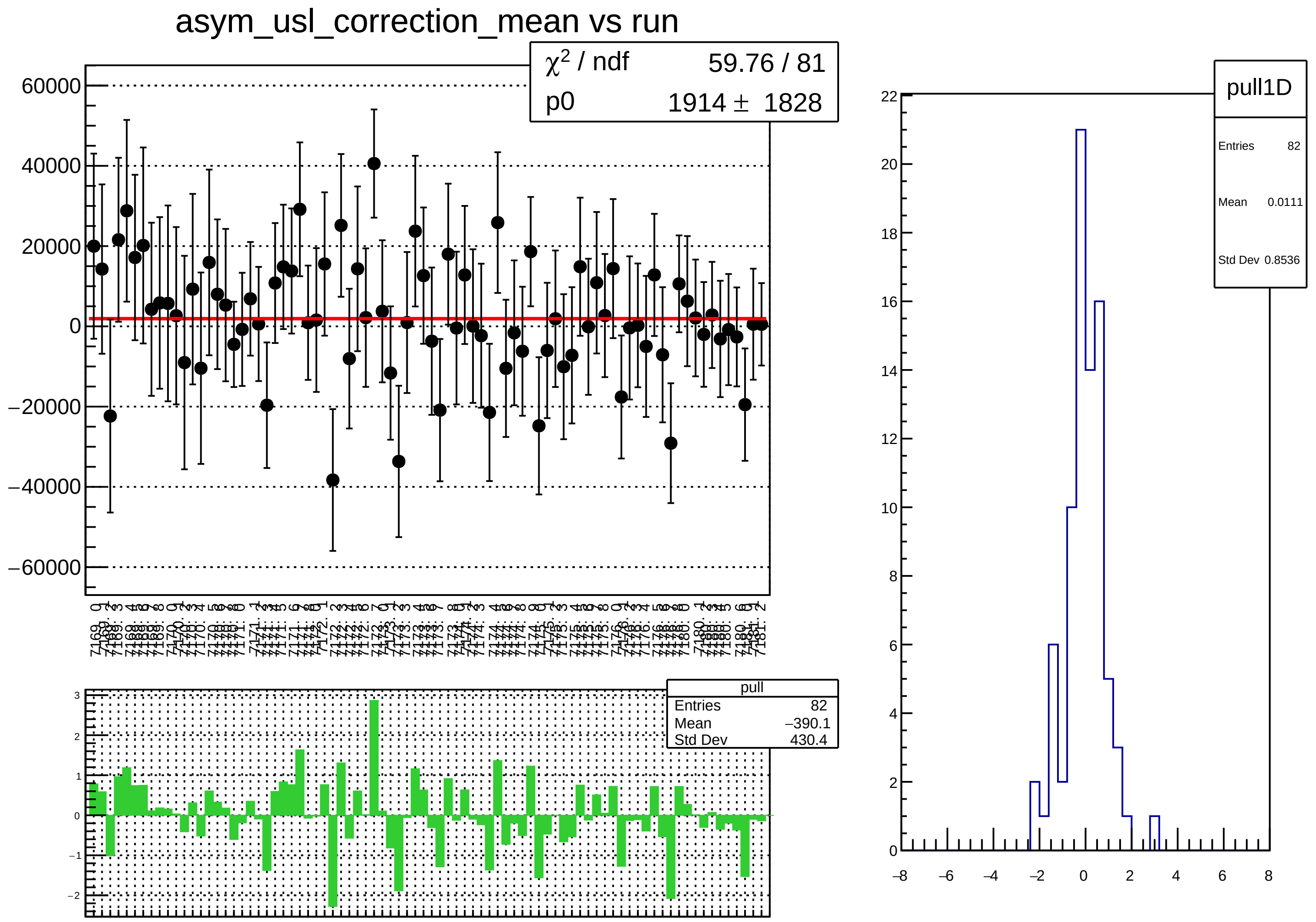

asym_us_dd_rms vs run
χ2 / ndf
525 / 81
p0
934.7 ± 0.7461
980
960
940
920
900



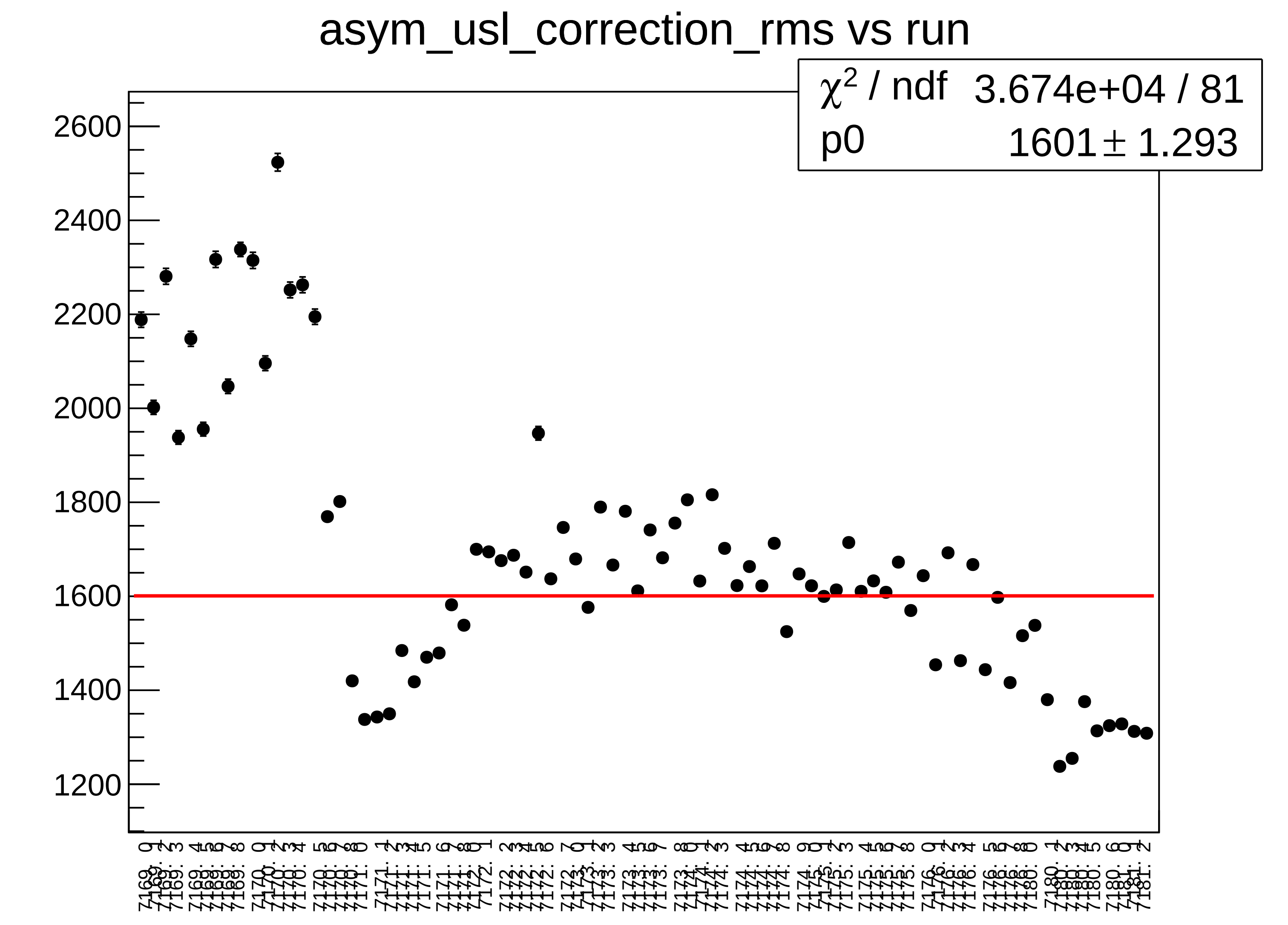
dit_asym_usl_mean vs run
χ^2 / ndf 81.19 / 81
p0 511.5 ± 1253
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 5130
Std Dev 5108
pull1D
Entries 82
Mean −0.0001231
Std Dev 0.995

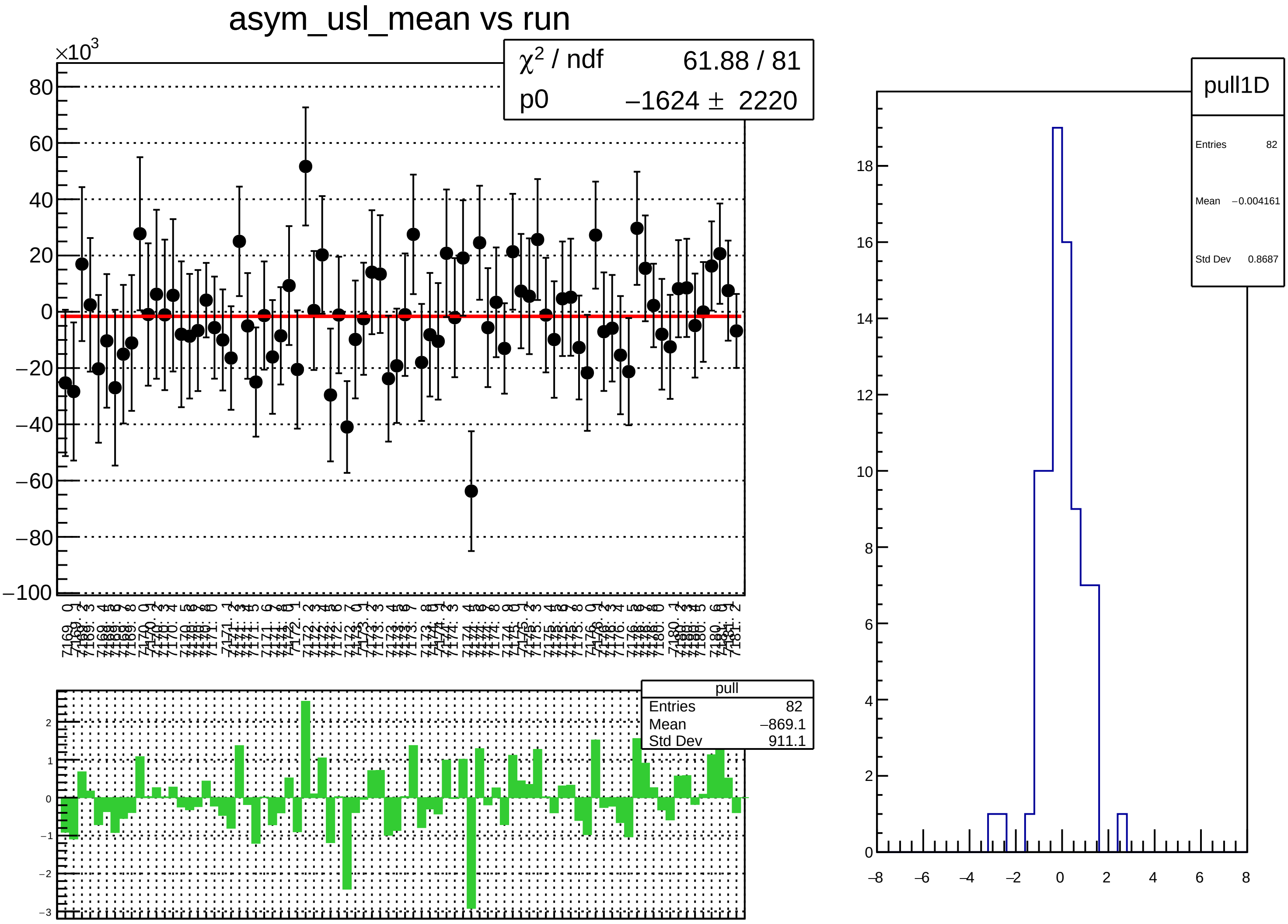


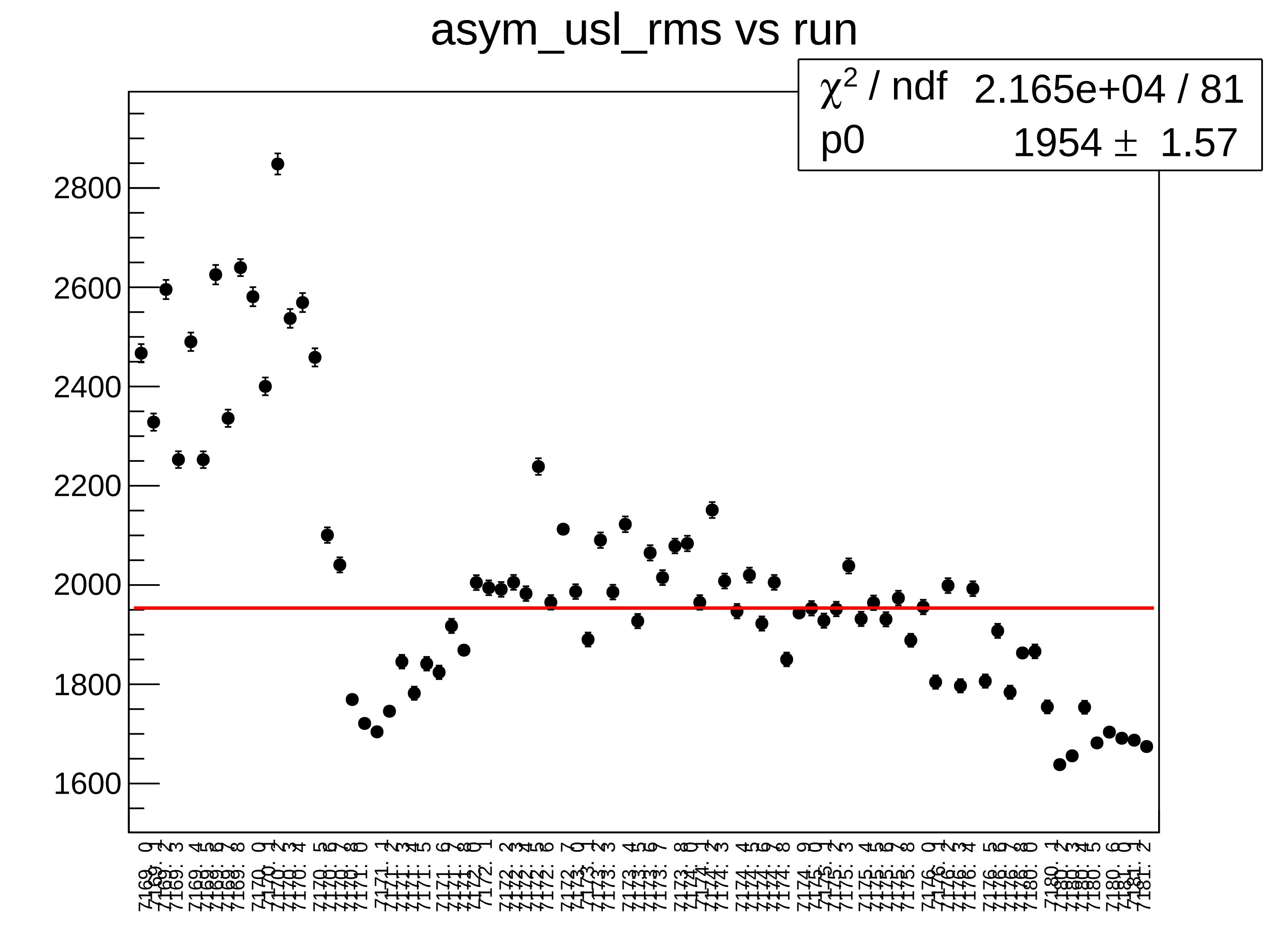
dit_asym_usl_rms vs run
χ^2 / ndf 93.98 / 81
p0 1110 ± 0.8857
1140
1130
1120
1110
1100
1090
1080

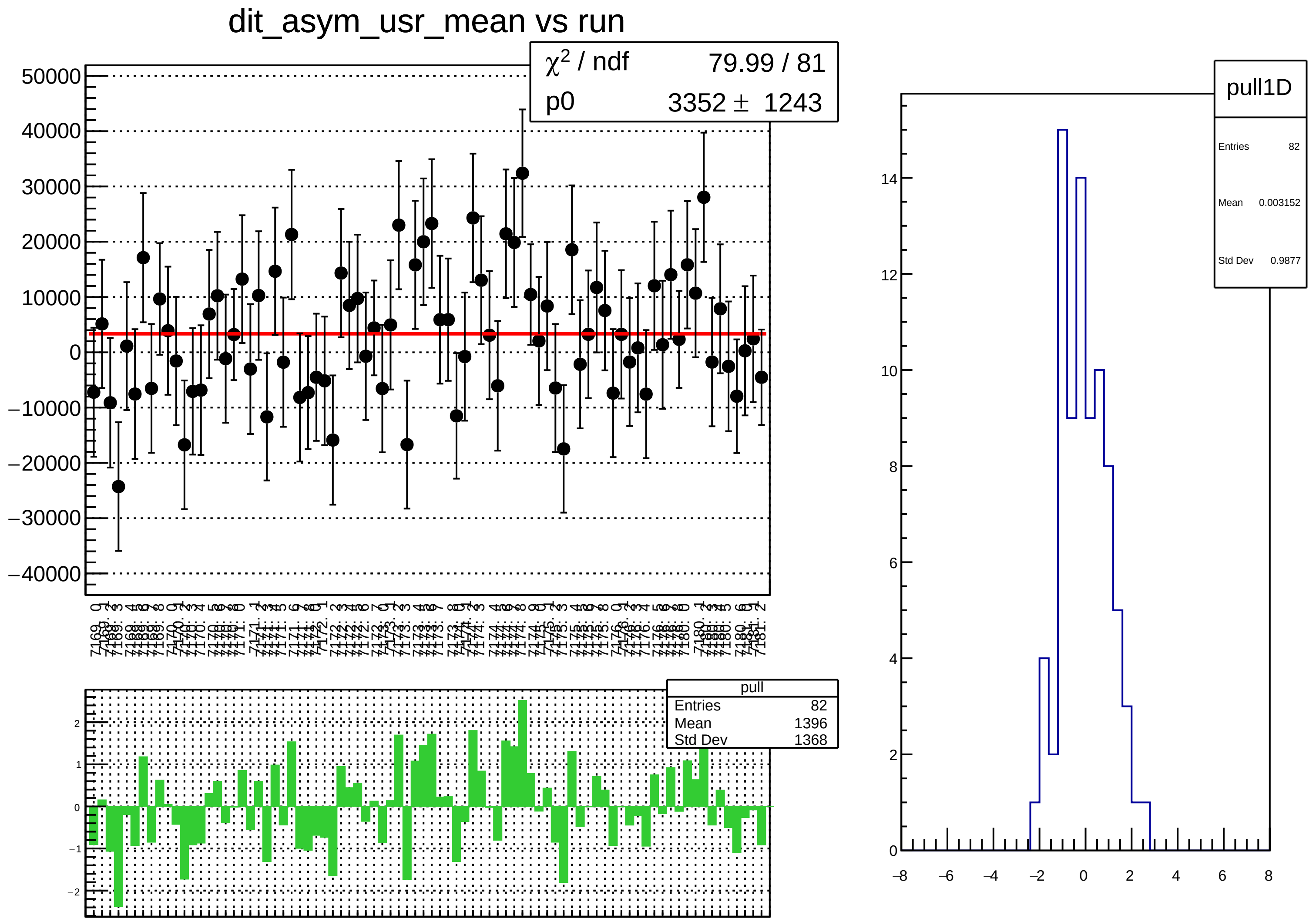


asym_usl_correction_mean vs run
χ^2 / ndf 59.76 / 81
p0 1914 ± 1828
pull
Entries 82
Mean −390.1
Std Dev 430.4
pull1D
Entries 82
Mean 0.0111
Std Dev 0.8536

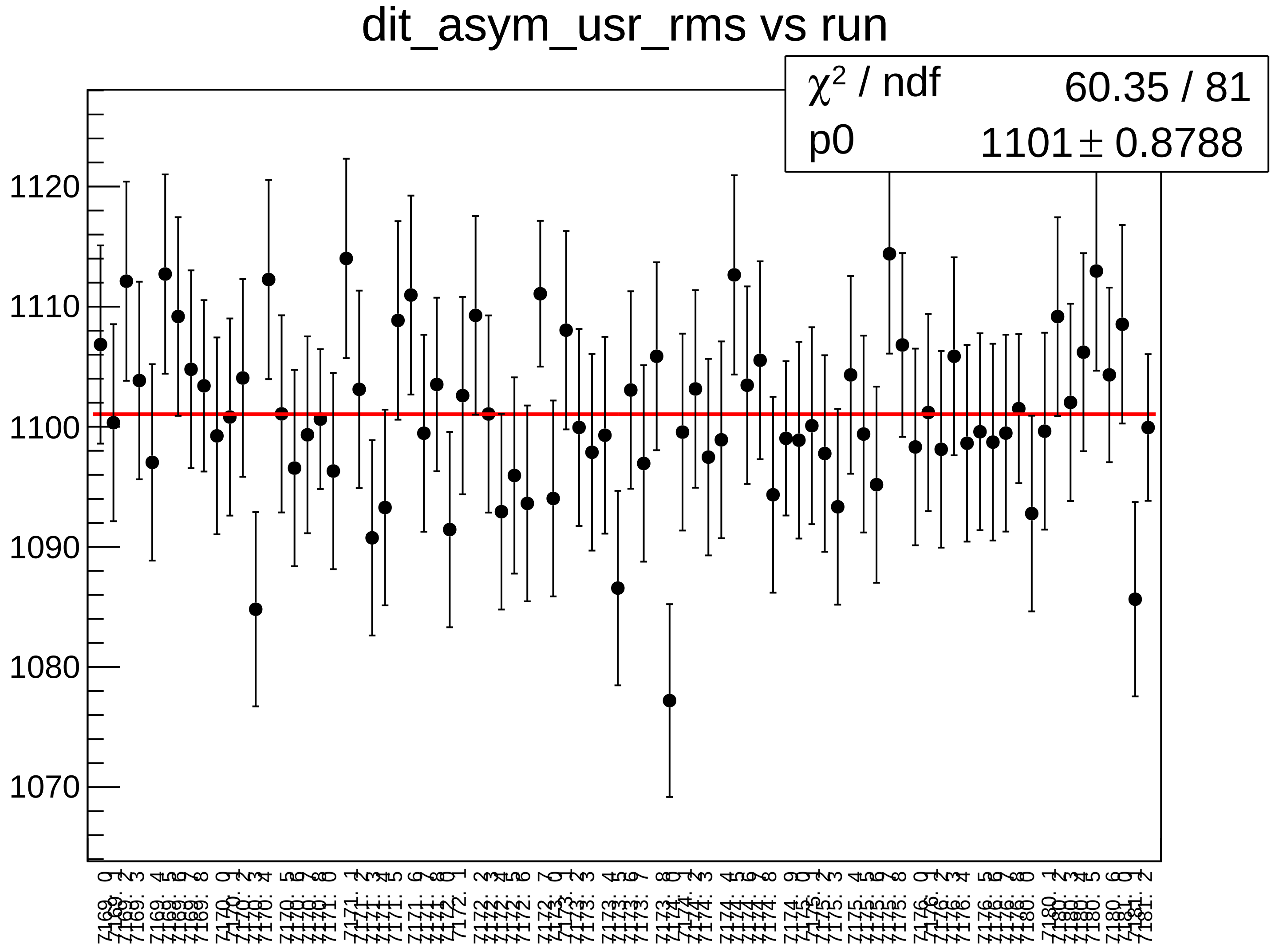

asym_usl_correction_rms vs run
χ2 / ndf 3.674e+04 / 81
p0 1601 ± 1.293
2600
2400
2200
2000
1800
1600
1400
1200

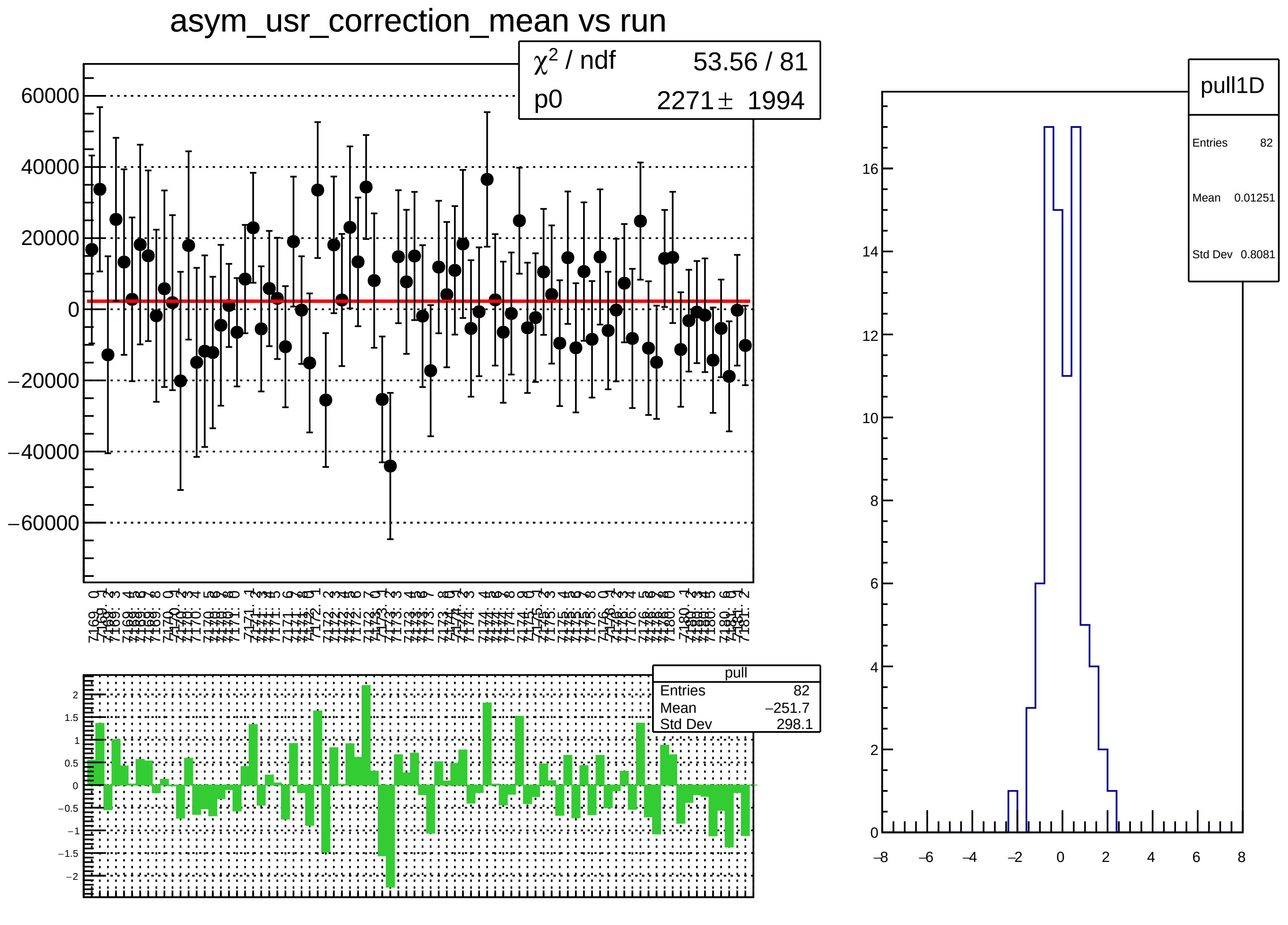

asym_usl_mean vs run
×10^3
χ^2 / ndf 61.88 / 81
p0 −1624 ± 2220
pull
Entries 82
Mean −869.1
Std Dev 911.1
pull1D
Entries 82
Mean −0.004161
Std Dev 0.8687


asym_usl_rms vs run
χ2 / ndf 2.165e+04 / 81
p0 1954 ± 1.57
2800
2600
2400
2200
2000
1800
1600

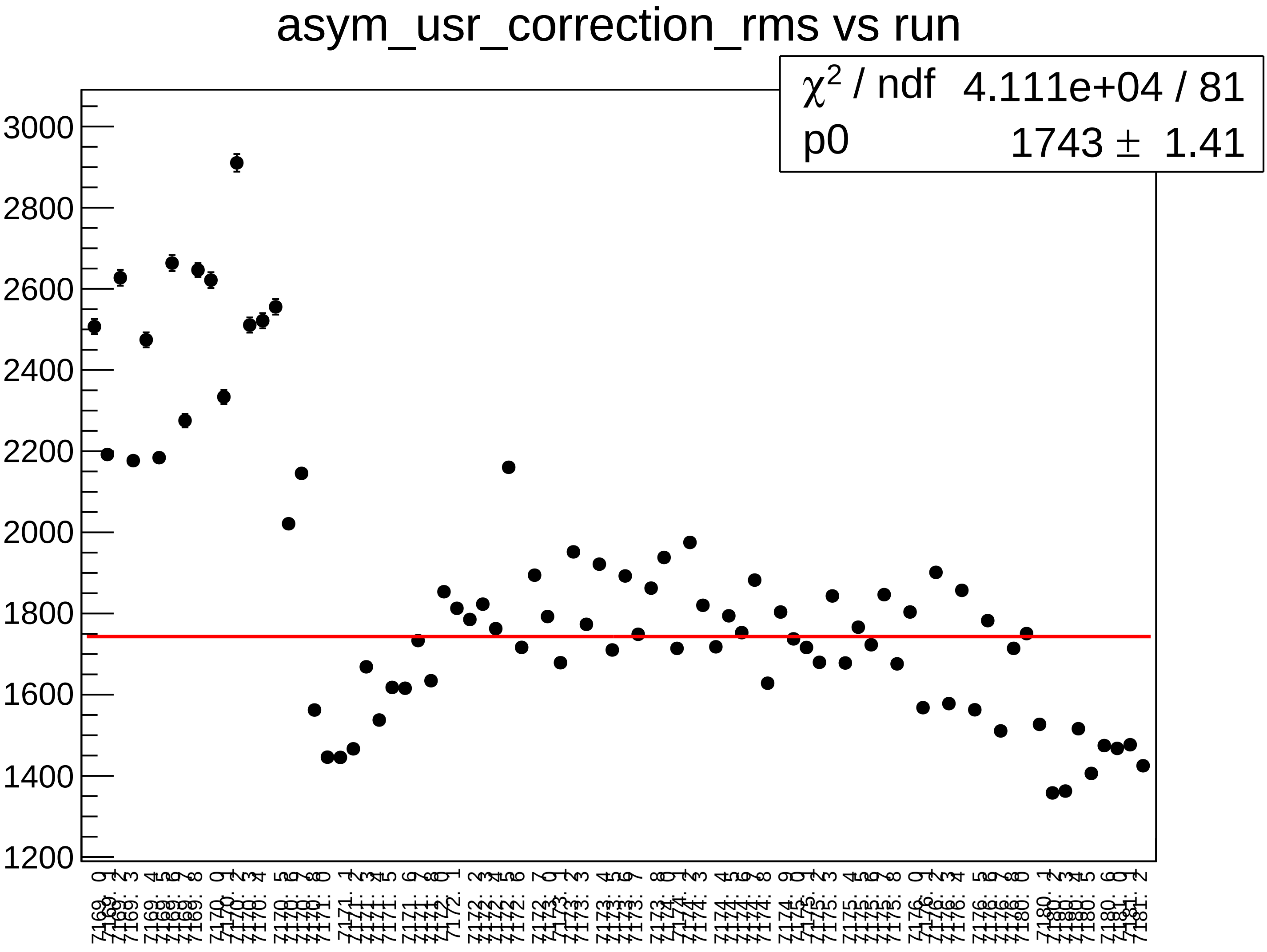


dit_asym_usr_mean vs run
χ^2 / ndf 79.99 / 81
p0 3352 ± 1243
pull
Entries 82
Mean 1396
Std Dev 1368
pull1D
Entries 82
Mean 0.003152
Std Dev 0.9877

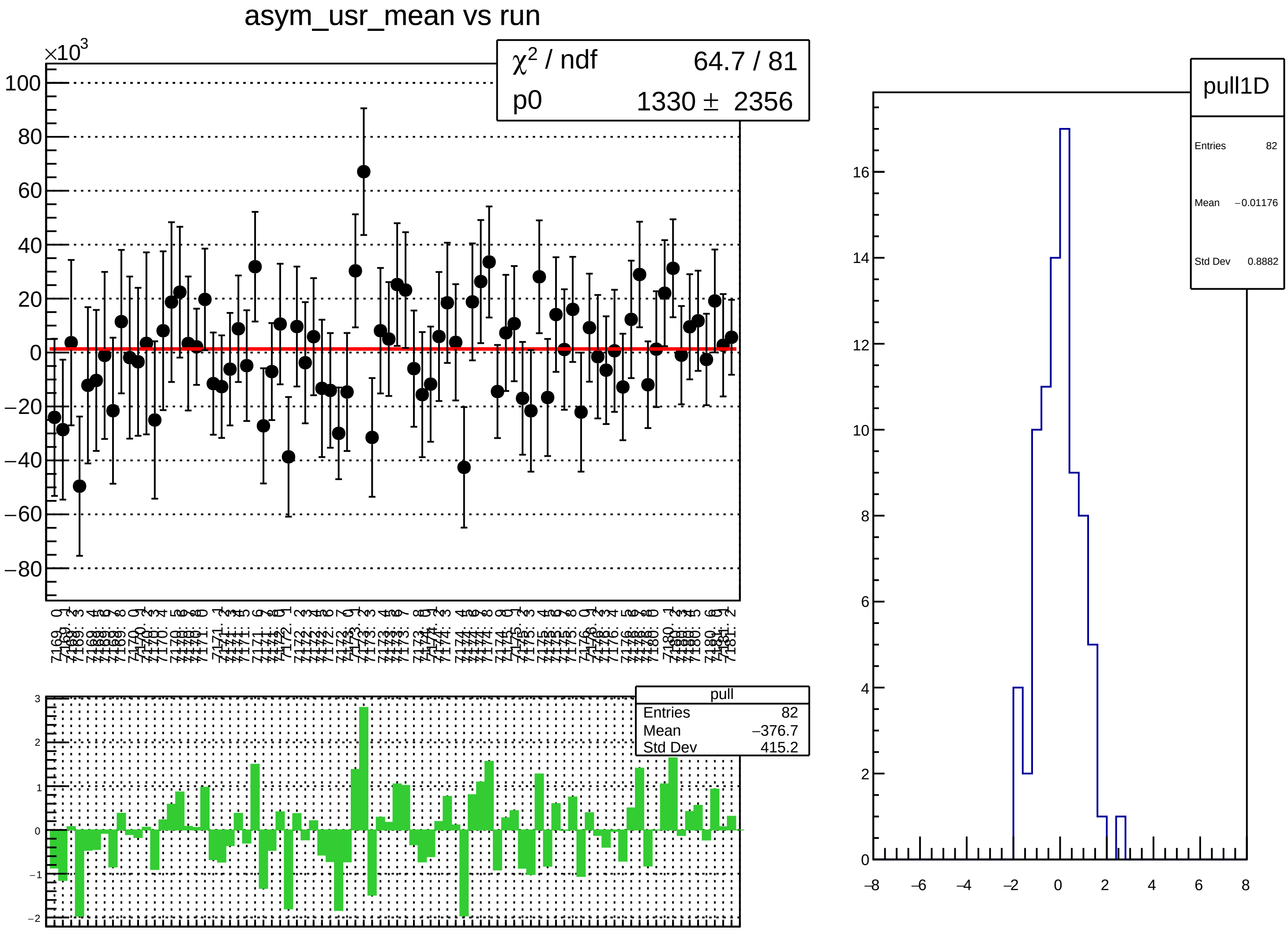

dit_asym_usr_rms vs run
χ2 / ndf 60.35 / 81
p0 1101 ± 0.8788
1120
1110
1100
1090
1080
1070

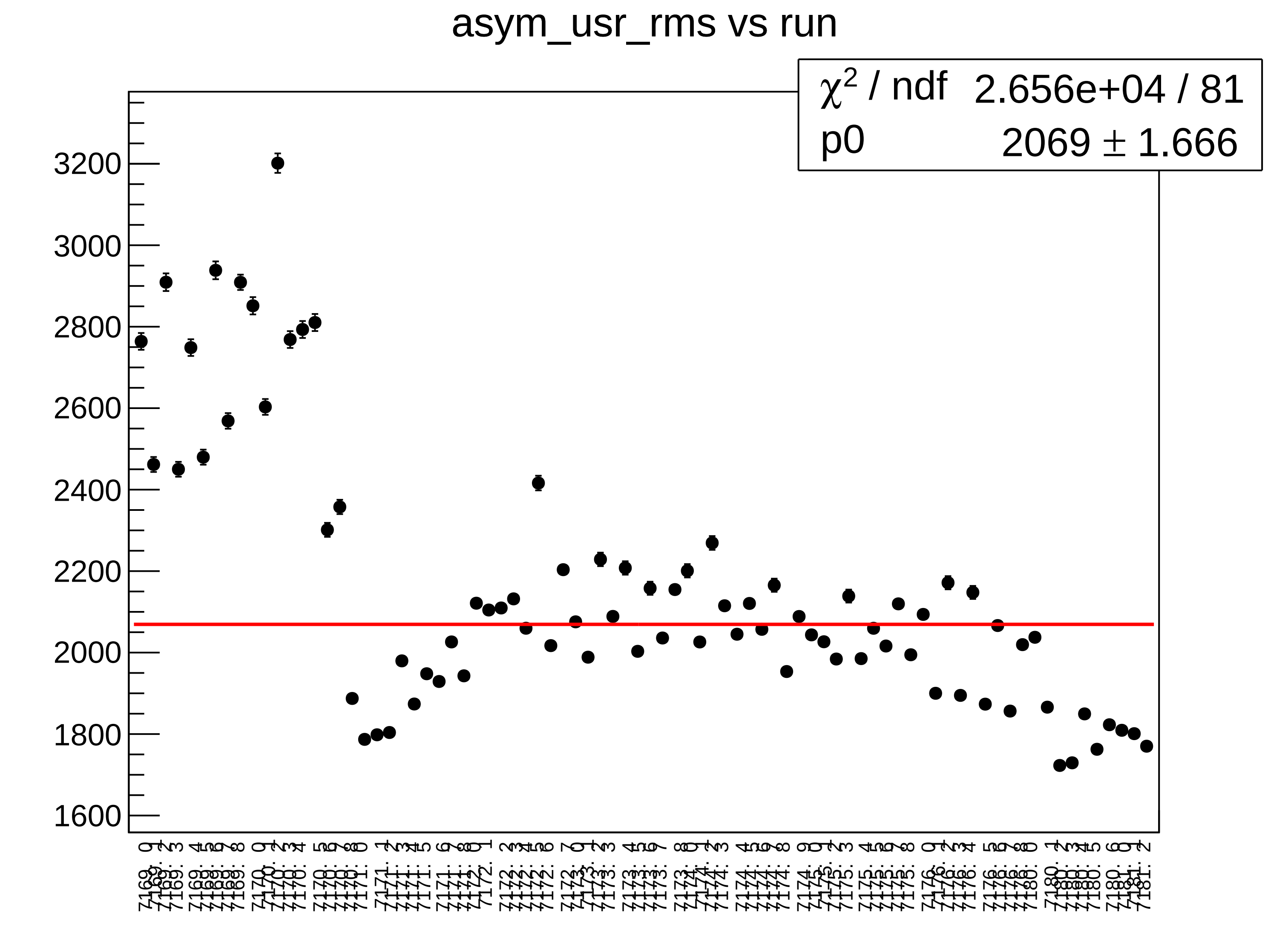


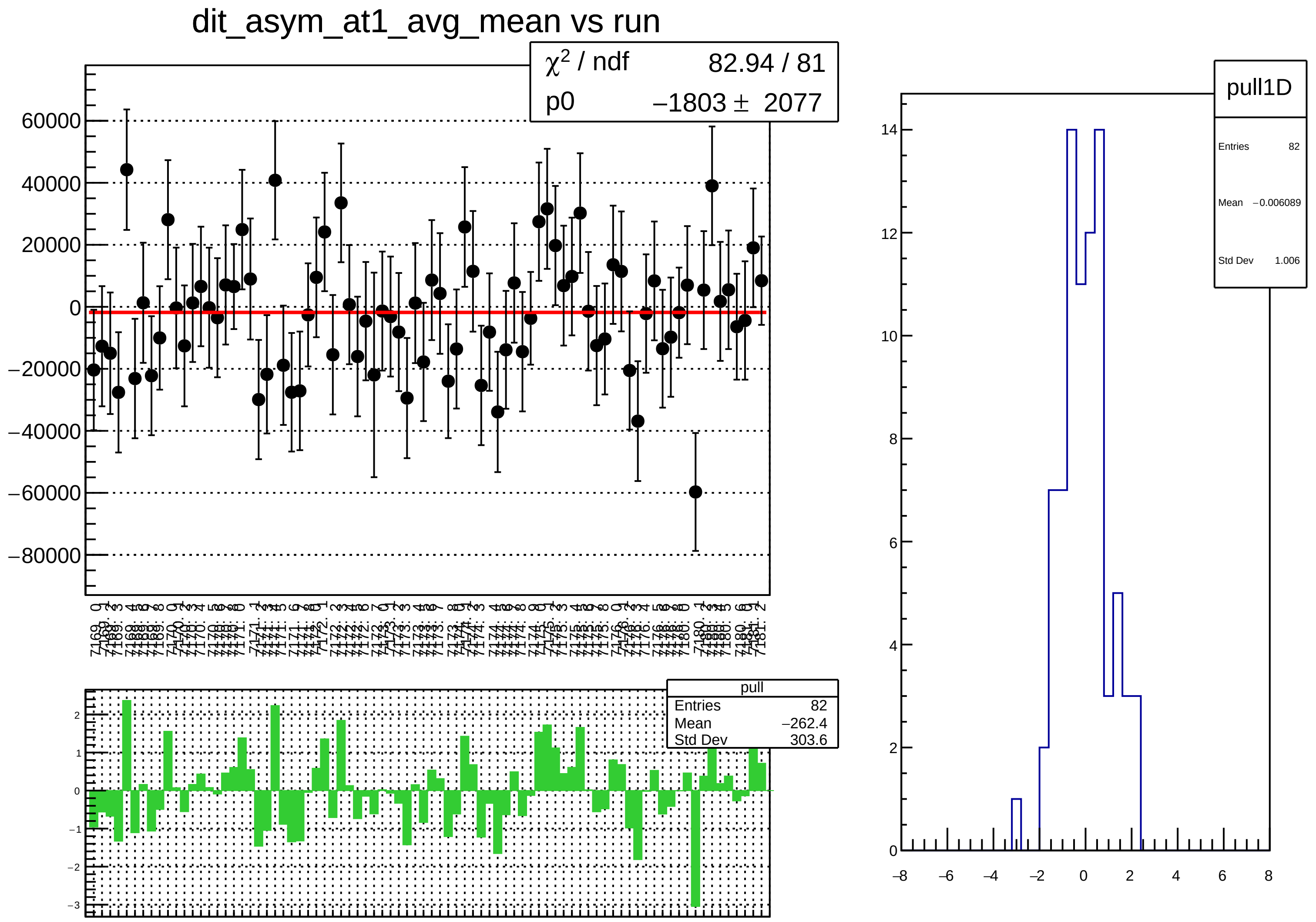
asym_usr_correction_mean vs run
χ^2 / ndf 53.56 / 81
p0 2271 ± 1994
pull
Entries 82
Mean −251.7
Std Dev 298.1
pull1D
Entries 82
Mean 0.01251
Std Dev 0.8081

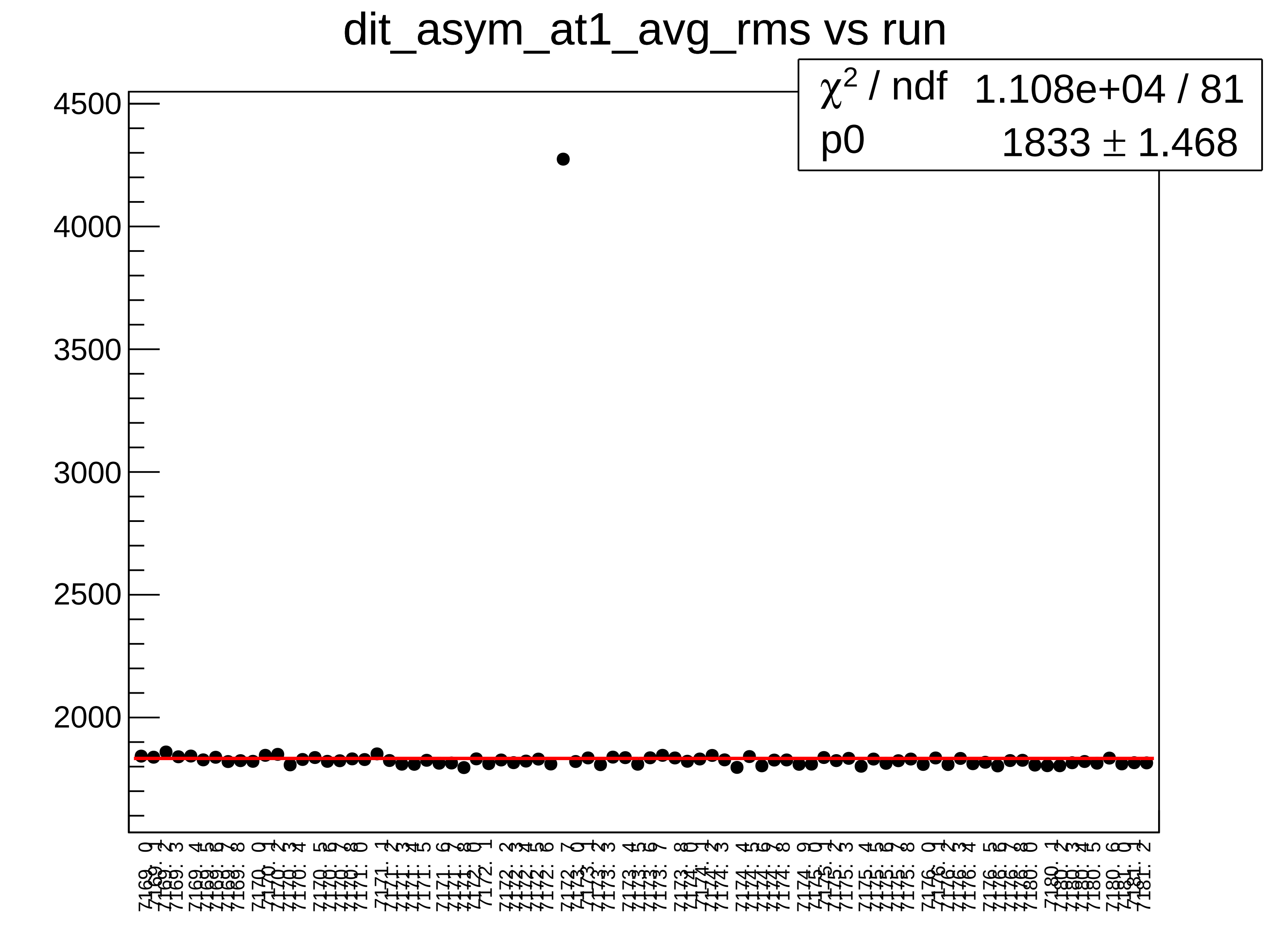


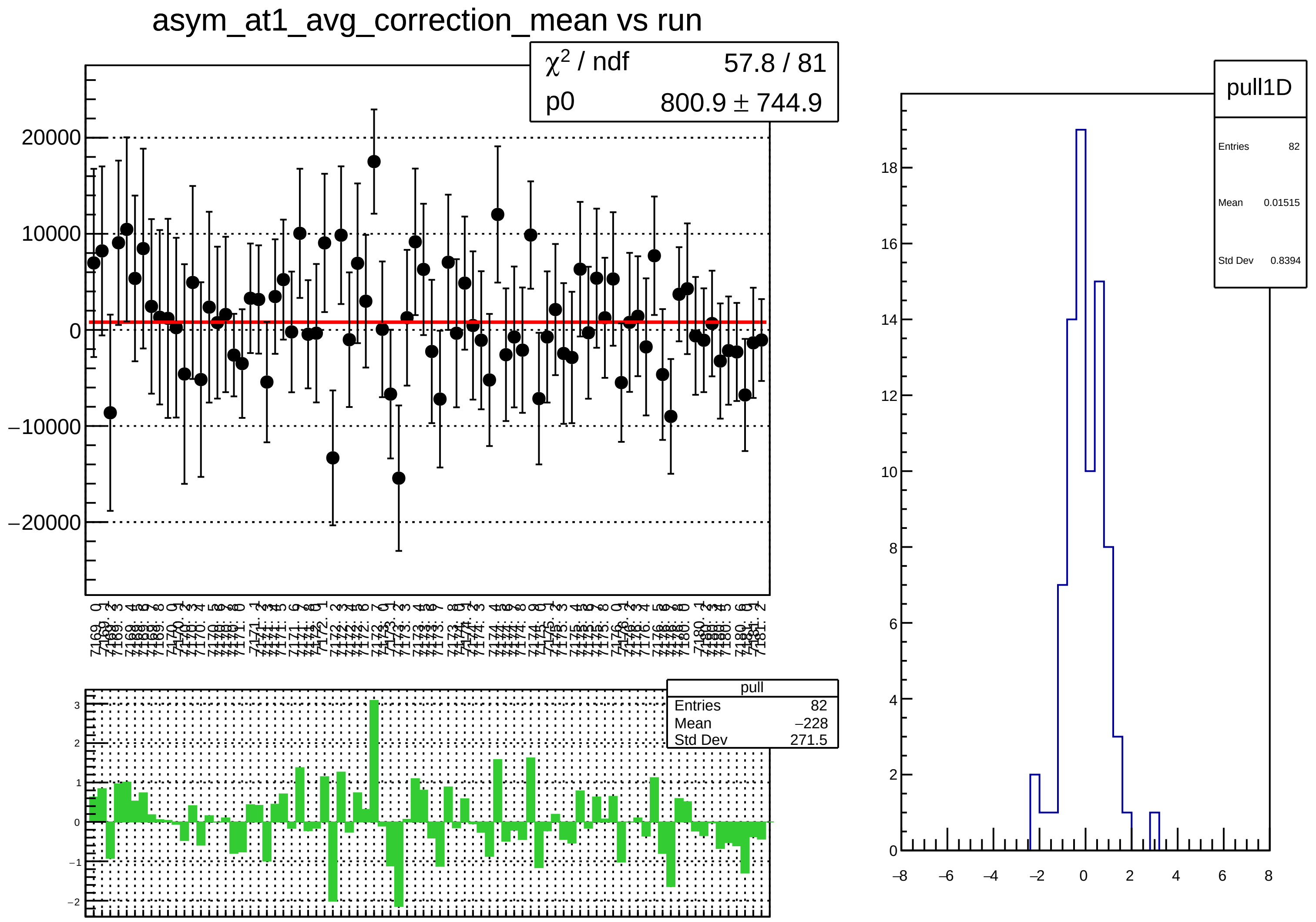
asym_usr_correction_rms vs run
χ^2 / ndf 4.111e+04 / 81
p0 1743 ± 1.41
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200


asym_usr_mean vs run
$\times10^{3}$
χ^2 / ndf 64.7 / 81
p0 1330 ± 2356
pull
Entries 82
Mean −376.7
Std Dev 415.2
pull1D
Entries 82
Mean −0.01176
Std Dev 0.8882

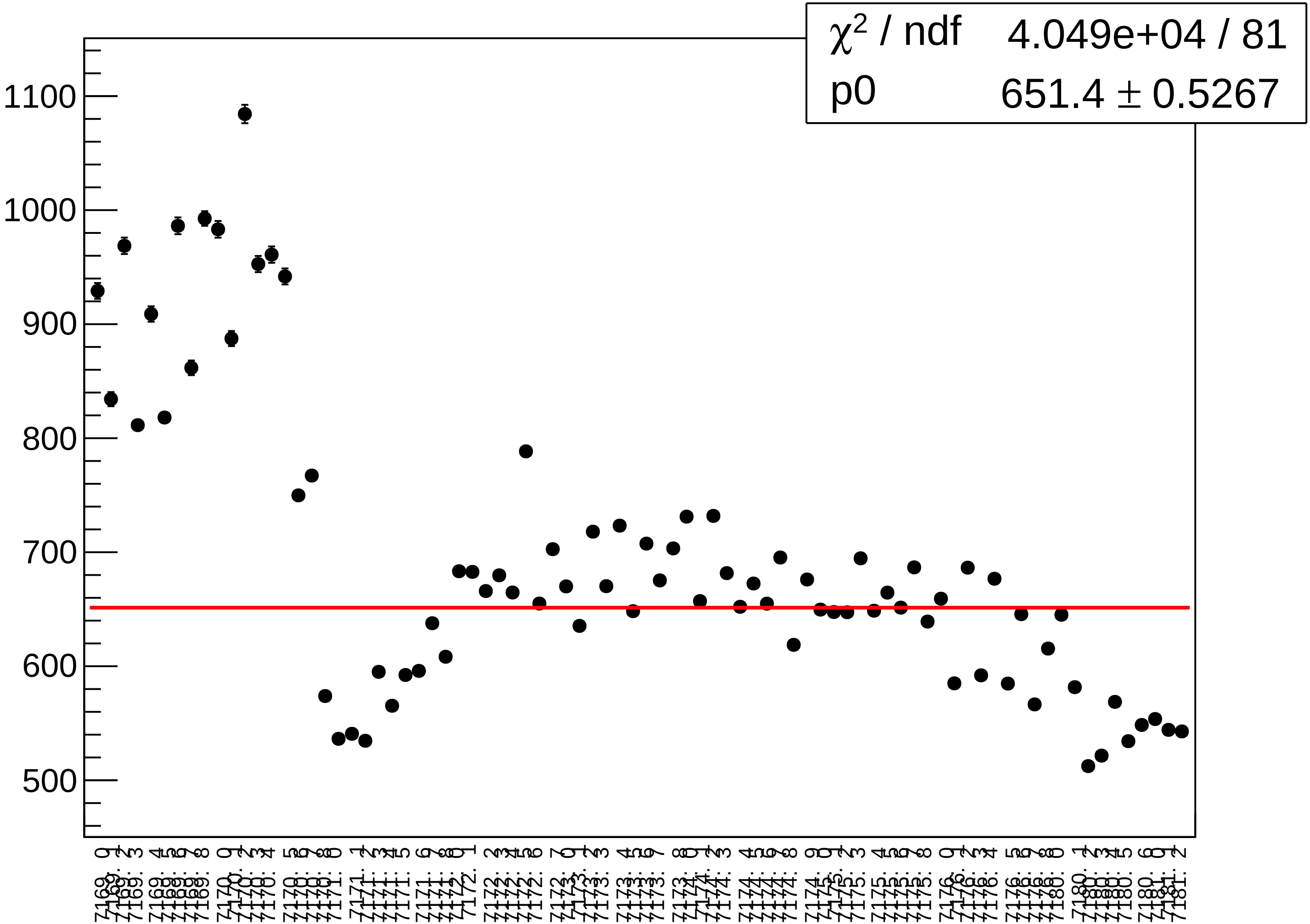

asym_usr_rms vs run
χ^2 / ndf 2.656e+04 / 81
p0 2069 ± 1.666
3200
3000
2800
2600
2400
2200
2000
1800
1600

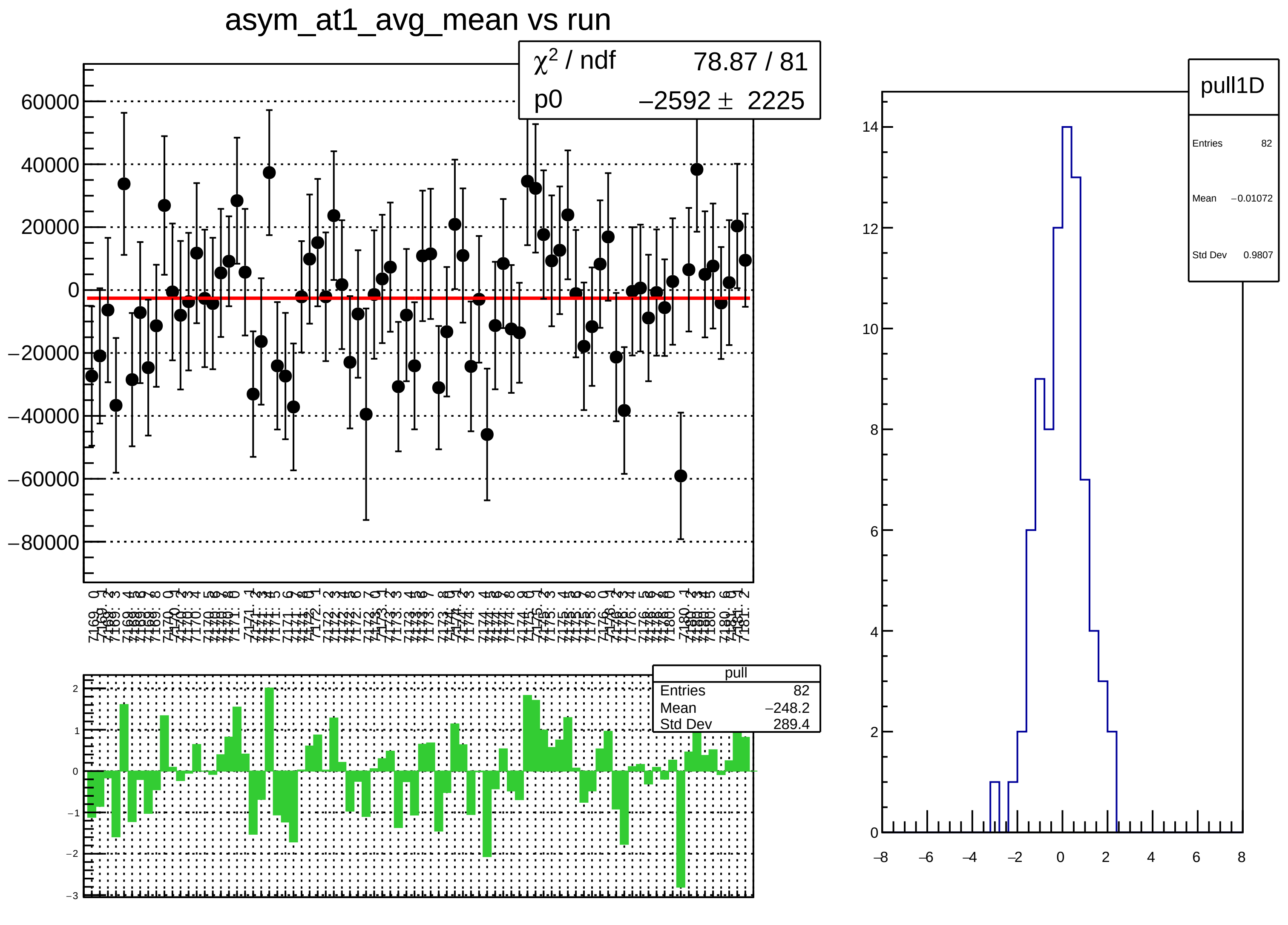

dit_asym_at1_avg_mean vs run
χ^2 / ndf 82.94 / 81
p0 −1803 ± 2077
pull
Entries 82
Mean −262.4
Std Dev 303.6
pull1D
Entries 82
Mean −0.006089
Std Dev 1.006

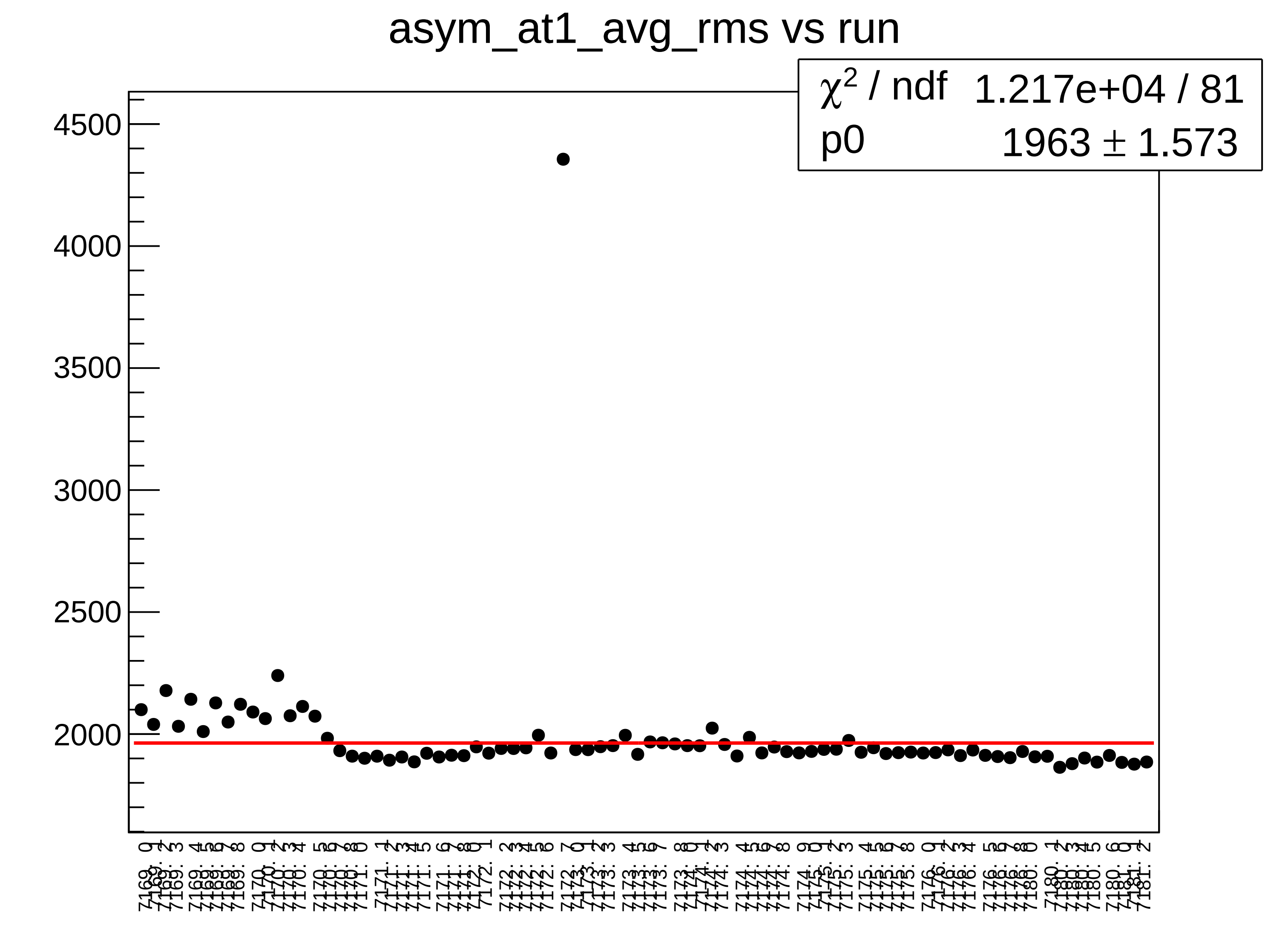

dit_asym_at1_avg_rms vs run
χ2 / ndf 1.108e+04 / 81
p0 1833 ± 1.468
4500
4000
3500
3000
2500
2000


asym_at1_avg_correction_mean vs run
χ^2 / ndf 57.8 / 81
p0 800.9 ± 744.9
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −228
Std Dev 271.5
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01515
Std Dev 0.8394
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

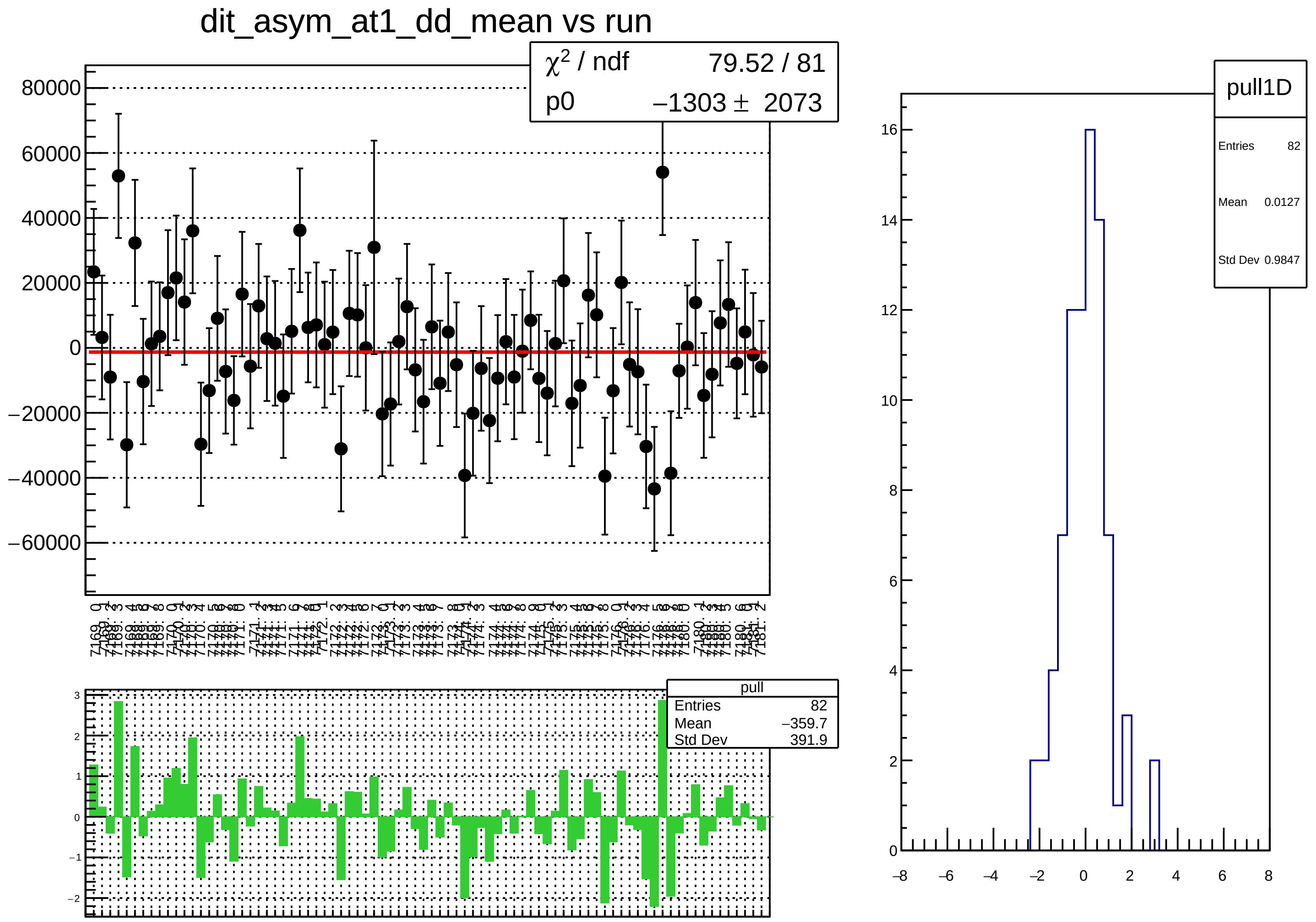
asym_at1_avg_correction_rms vs run



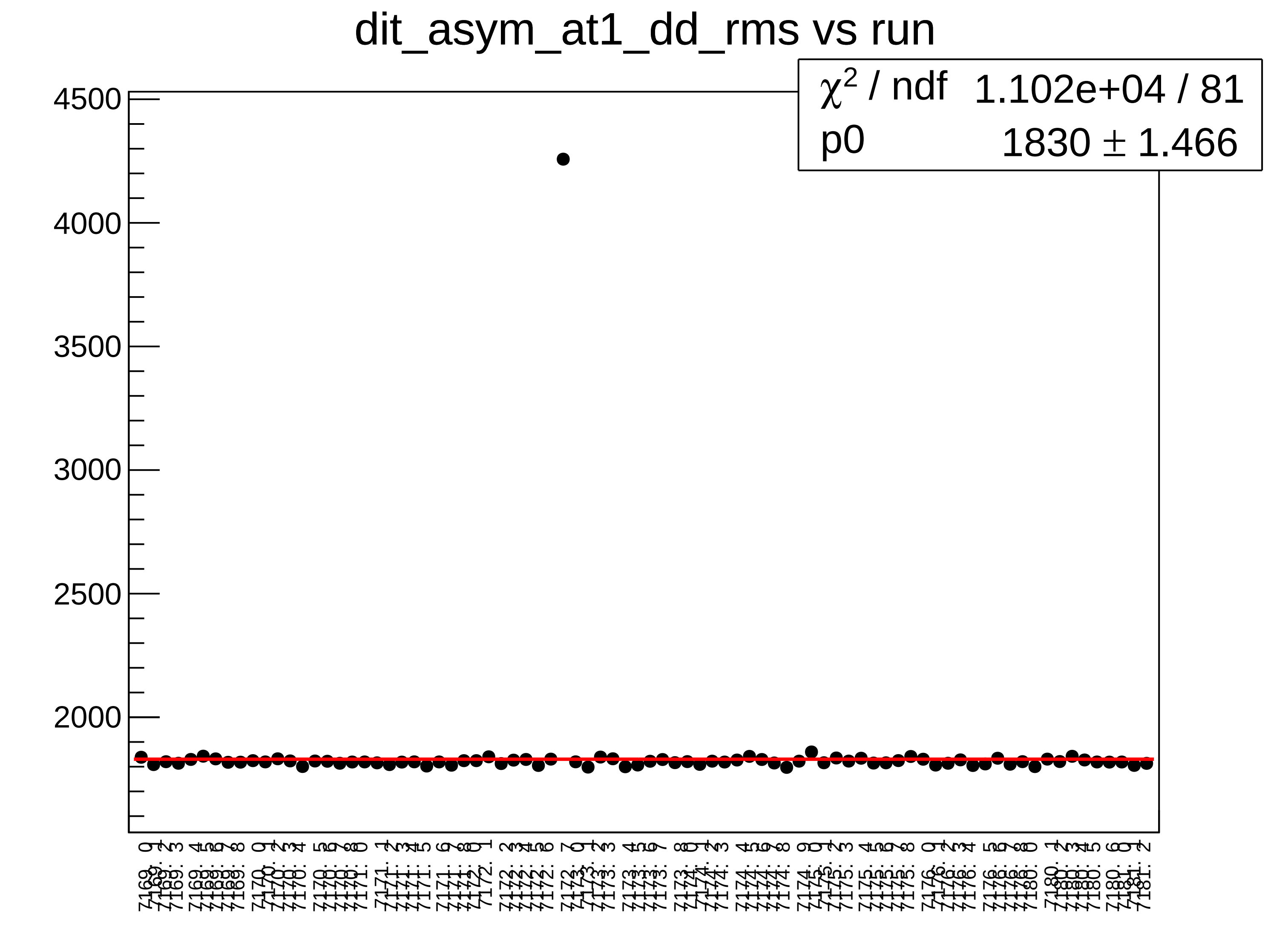

asym_at1_avg_mean vs run
χ2 / ndf 78.87 / 81
p0 −2592 ± 2225
pull
Entries 82
Mean −248.2
Std Dev 289.4
pull1D
Entries 82
Mean −0.01072
Std Dev 0.9807



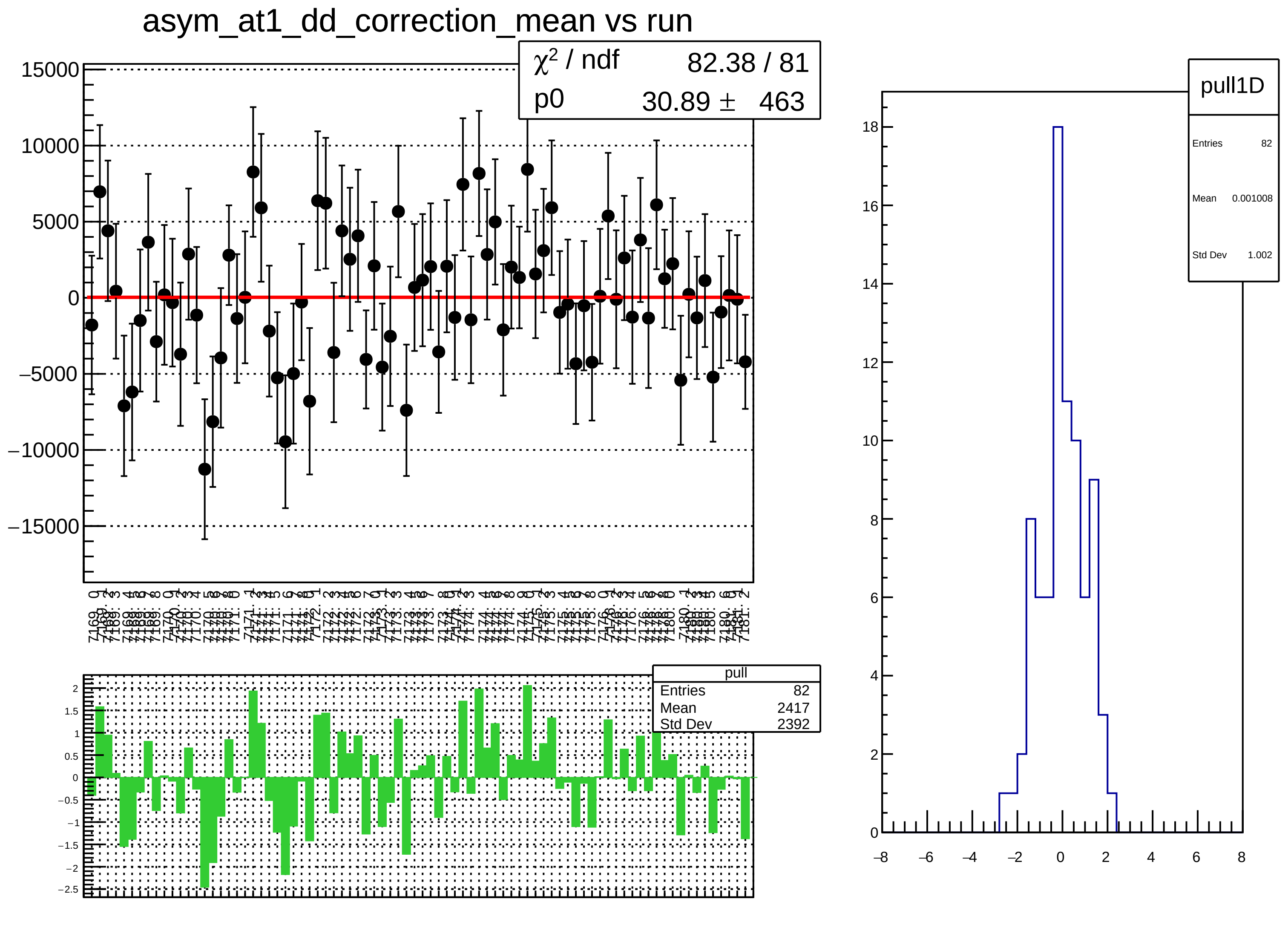
asym_at1_avg_rms vs run
χ^2 / ndf 1.217e+04 / 81
p0 1963 ± 1.573
4500
4000
3500
3000
2500
2000



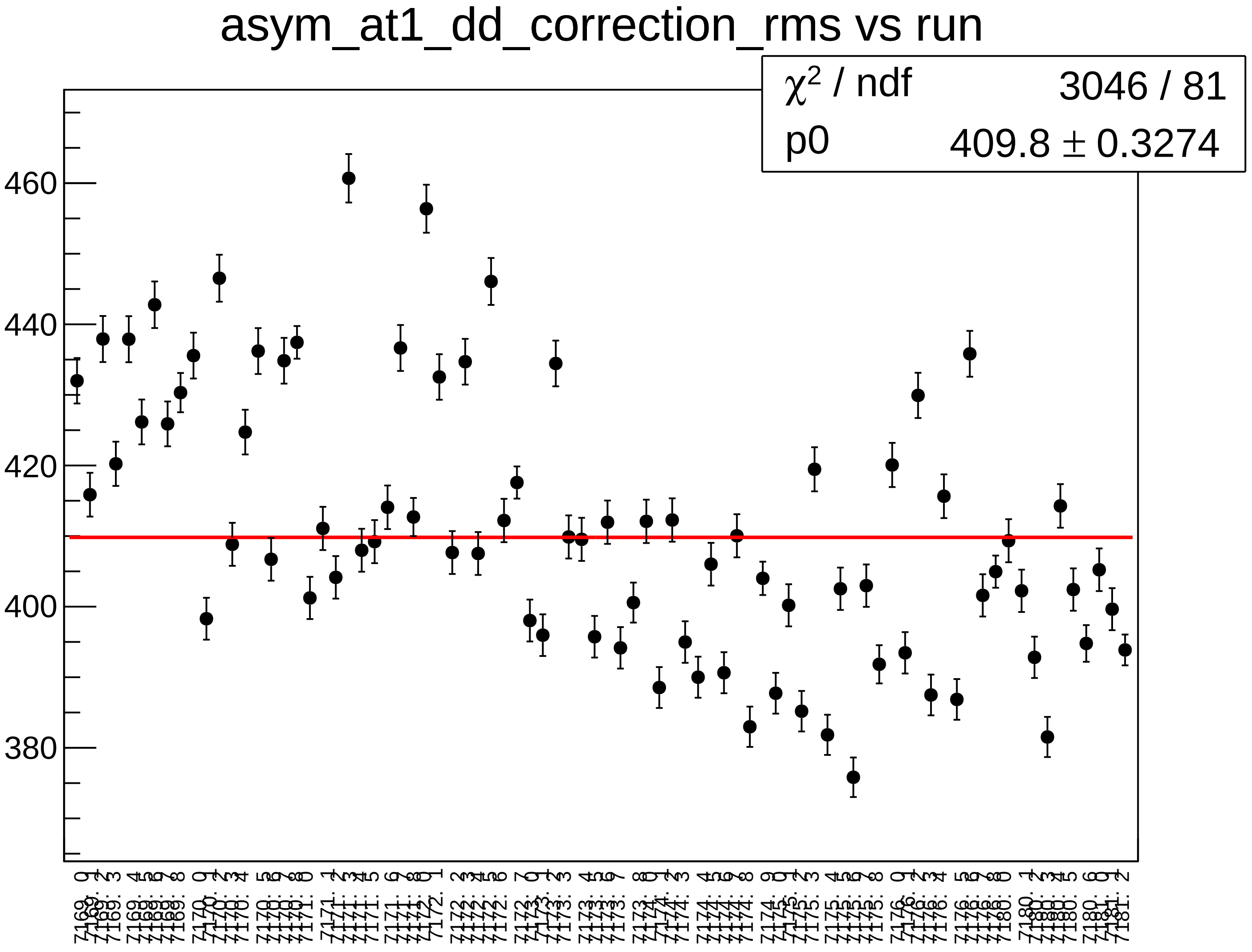
dit_asym_at1_dd_mean vs run
χ^2 / ndf 79.52 / 81
p0 −1303 ± 2073
pull
Entries 82
Mean −359.7
Std Dev 391.9
pull1D
Entries 82
Mean 0.0127
Std Dev 0.9847

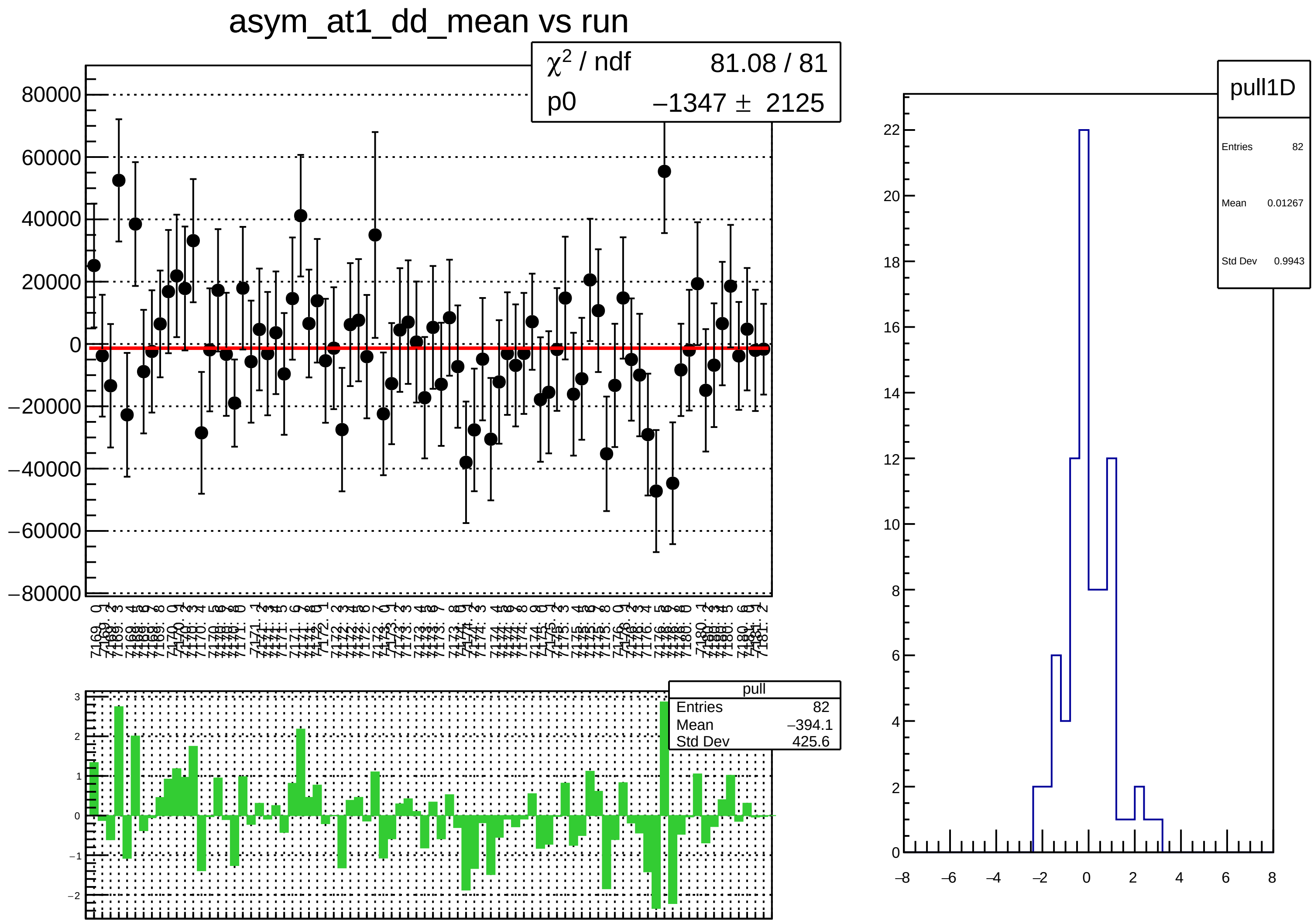


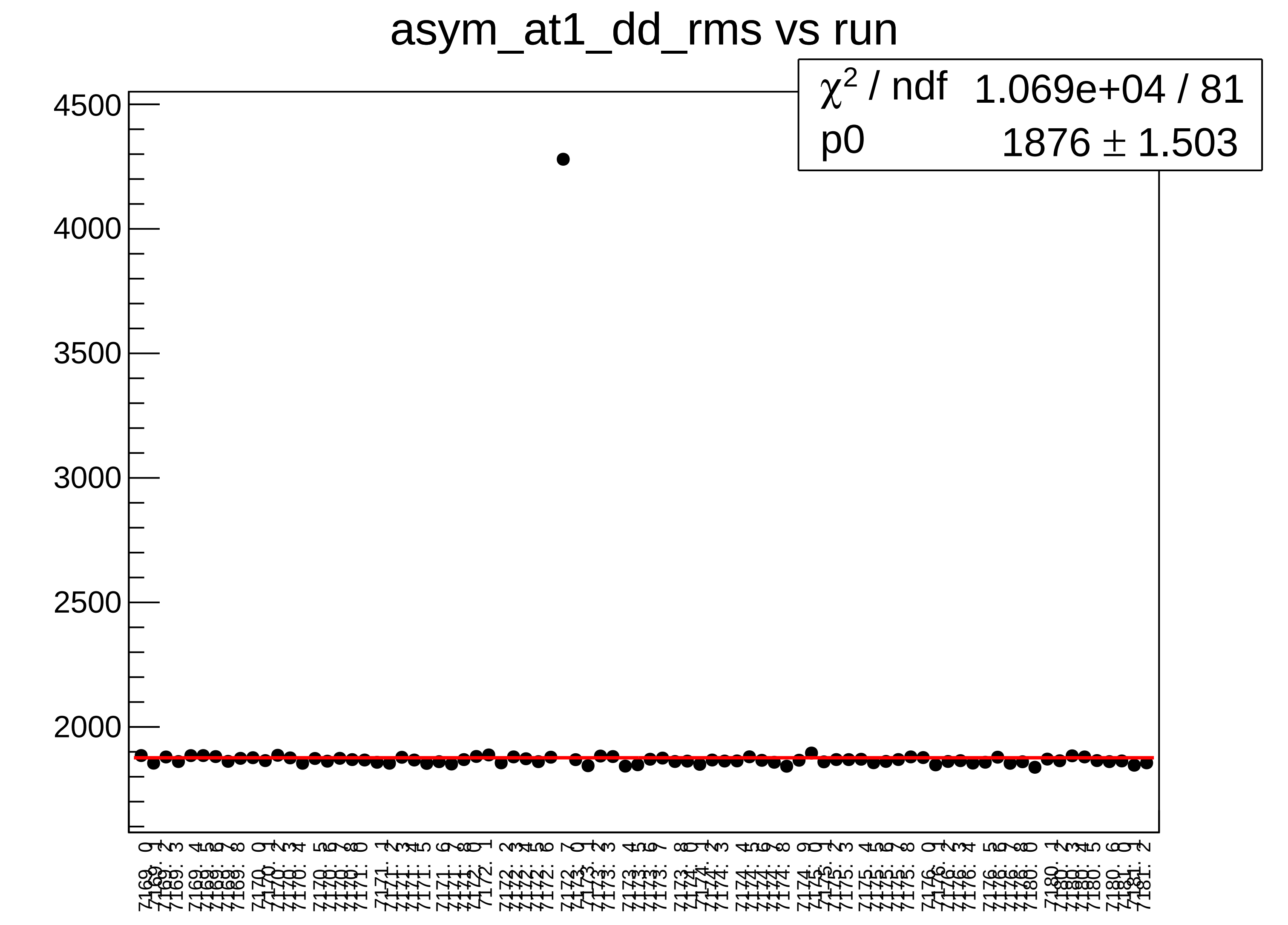
dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.102e+04 / 81
p0 1830 ± 1.466
4500
4000
3500
3000
2500
2000

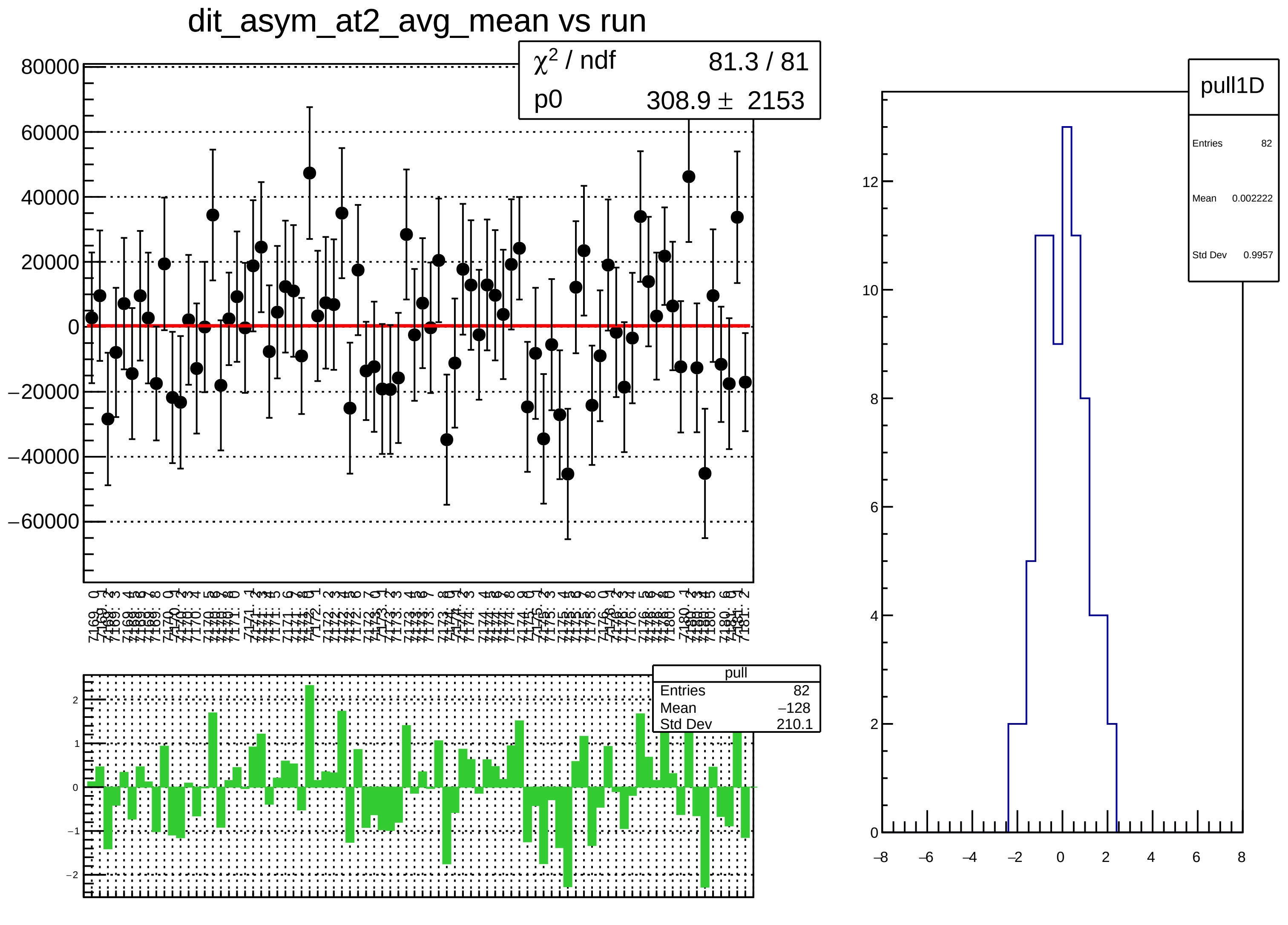


asym_at1_dd_correction_mean vs run
χ^2 / ndf 82.38 / 81
p0 30.89 ± 463
pull
Entries 82
Mean 2417
Std Dev 2392
pull1D
Entries 82
Mean 0.001008
Std Dev 1.002

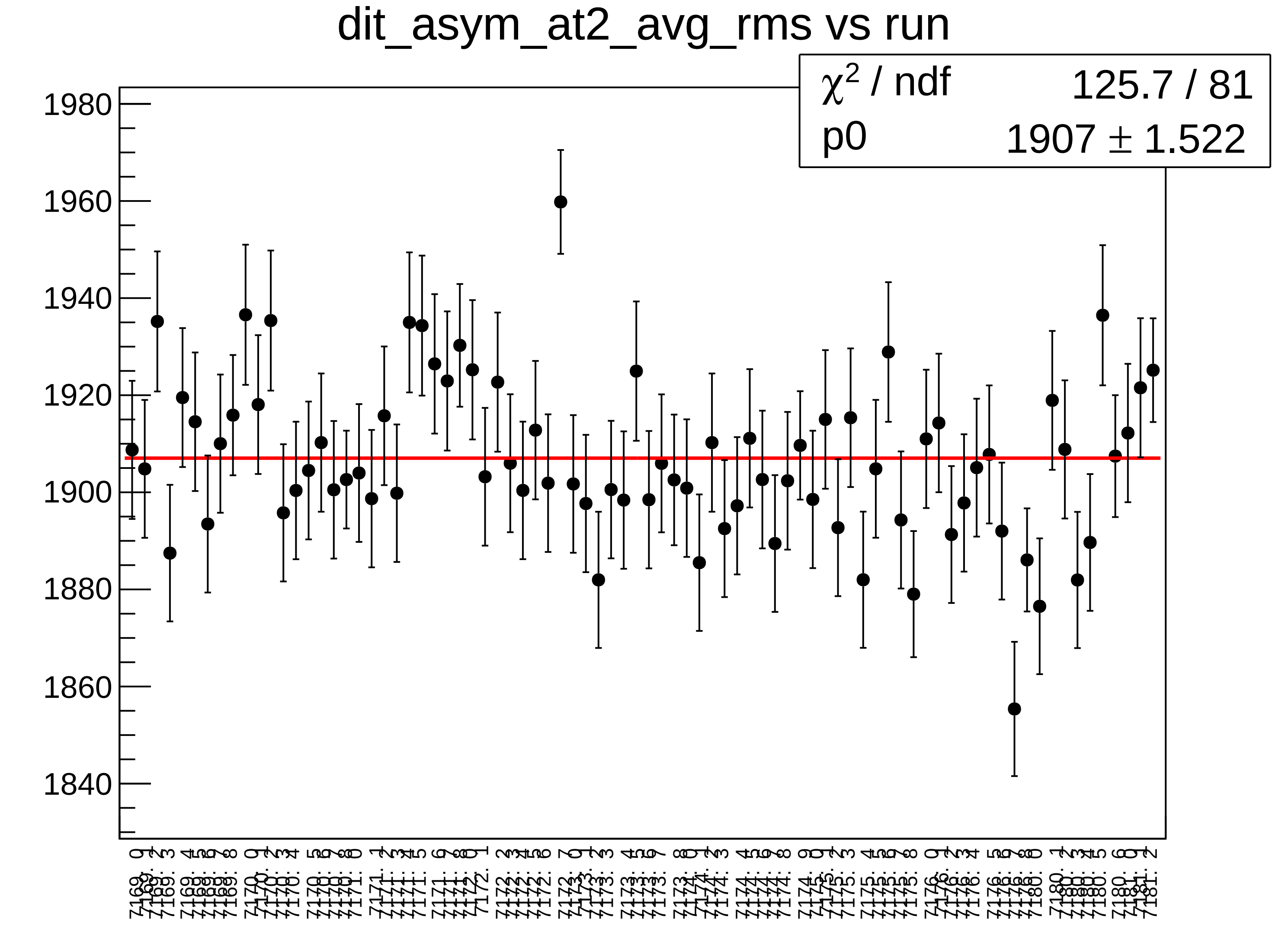

asym_at1_dd_correction_rms vs run
χ2 / ndf 3046 / 81
p0 409.8 ± 0.3274
460
440
420
400
380


asym_at1_dd_mean vs run
χ^2 / ndf 81.08 / 81
p0 −1347 ± 2125
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −394.1
Std Dev 425.6
pull1D
Entries 82
Mean 0.01267
Std Dev 0.9943

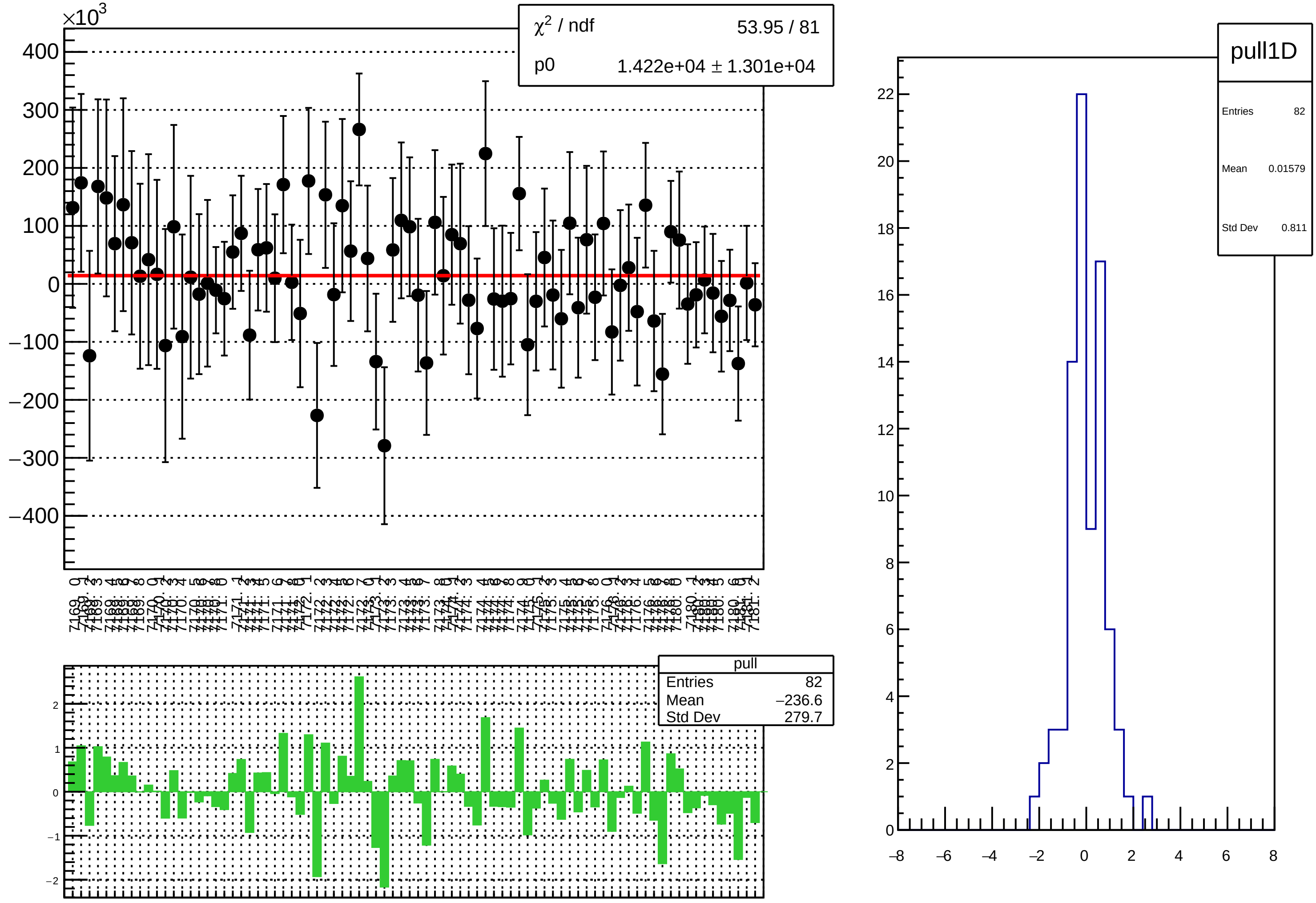

asym_at1_dd_rms vs run
χ^2 / ndf 1.069e+04 / 81
p0 1876 ± 1.503
4500
4000
3500
3000
2500
2000

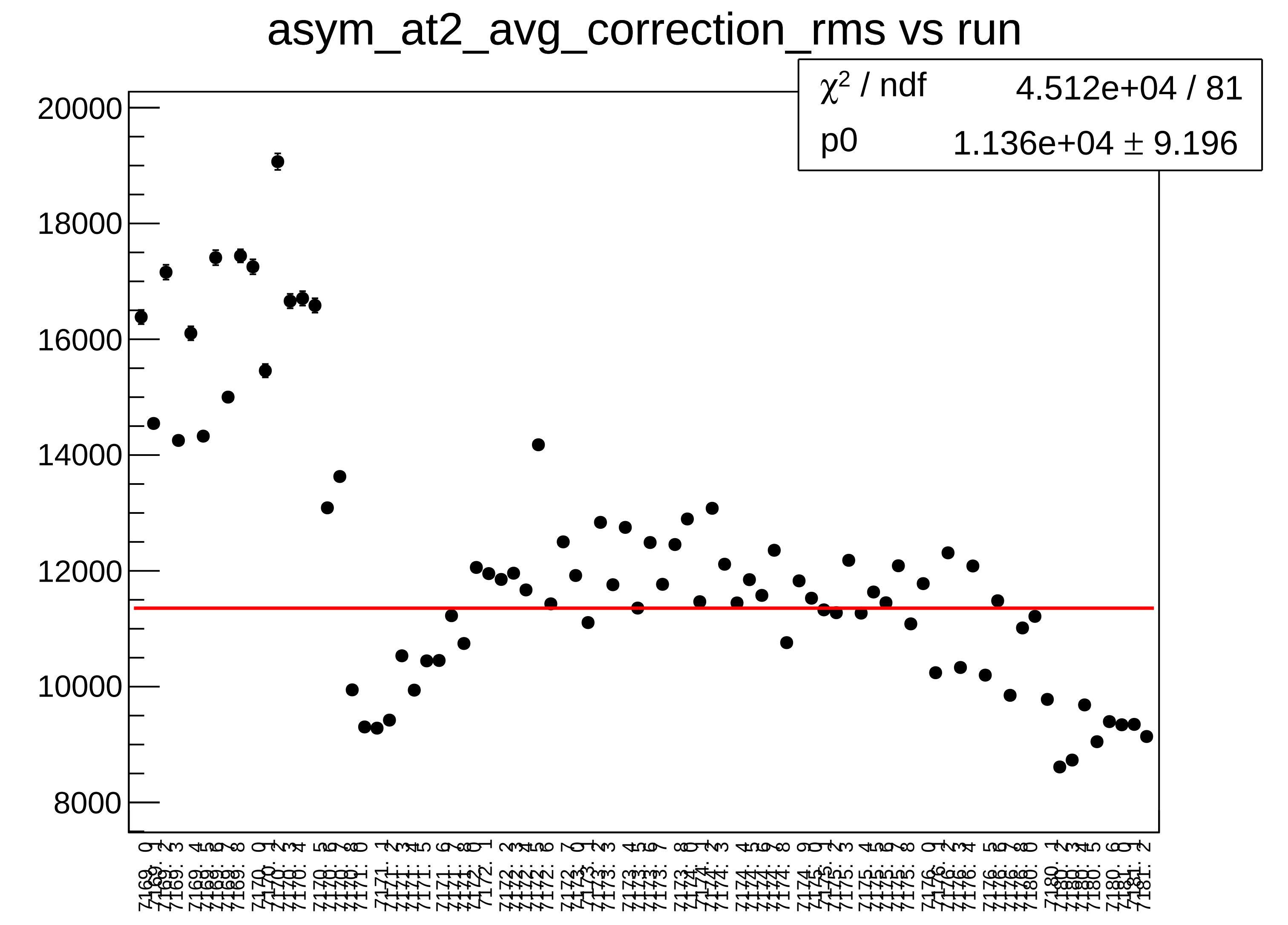


dit_asym_at2_avg_mean vs run
χ^2 / ndf 81.3 / 81
p0 308.9 ± 2153
pull
Entries 82
Mean −128
Std Dev 210.1
pull1D
Entries 82
Mean 0.002222
Std Dev 0.9957

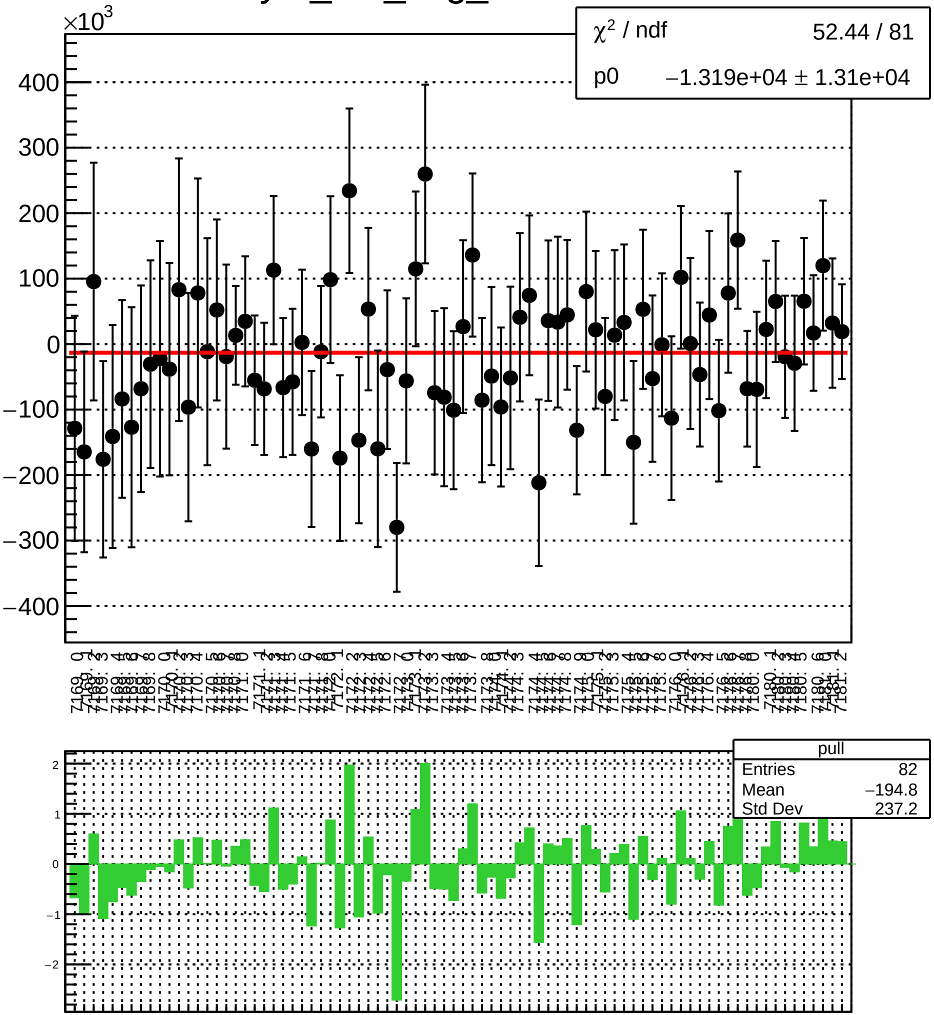

dit_asym_at2_avg_rms vs run
χ^2 / ndf 125.7 / 81
p0 1907 ± 1.522
1980
1960
1940
1920
1900
1880
1860
1840

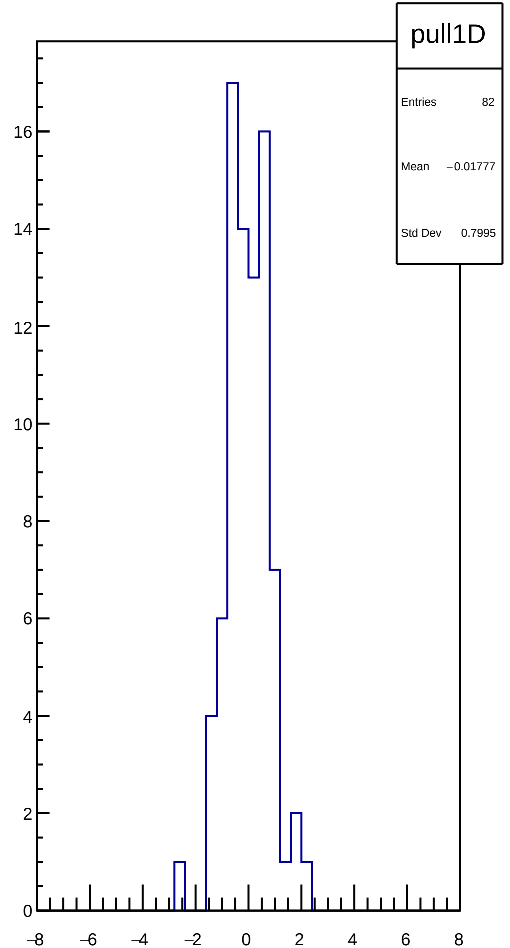
asym_at2_avg_correction_mean vs run

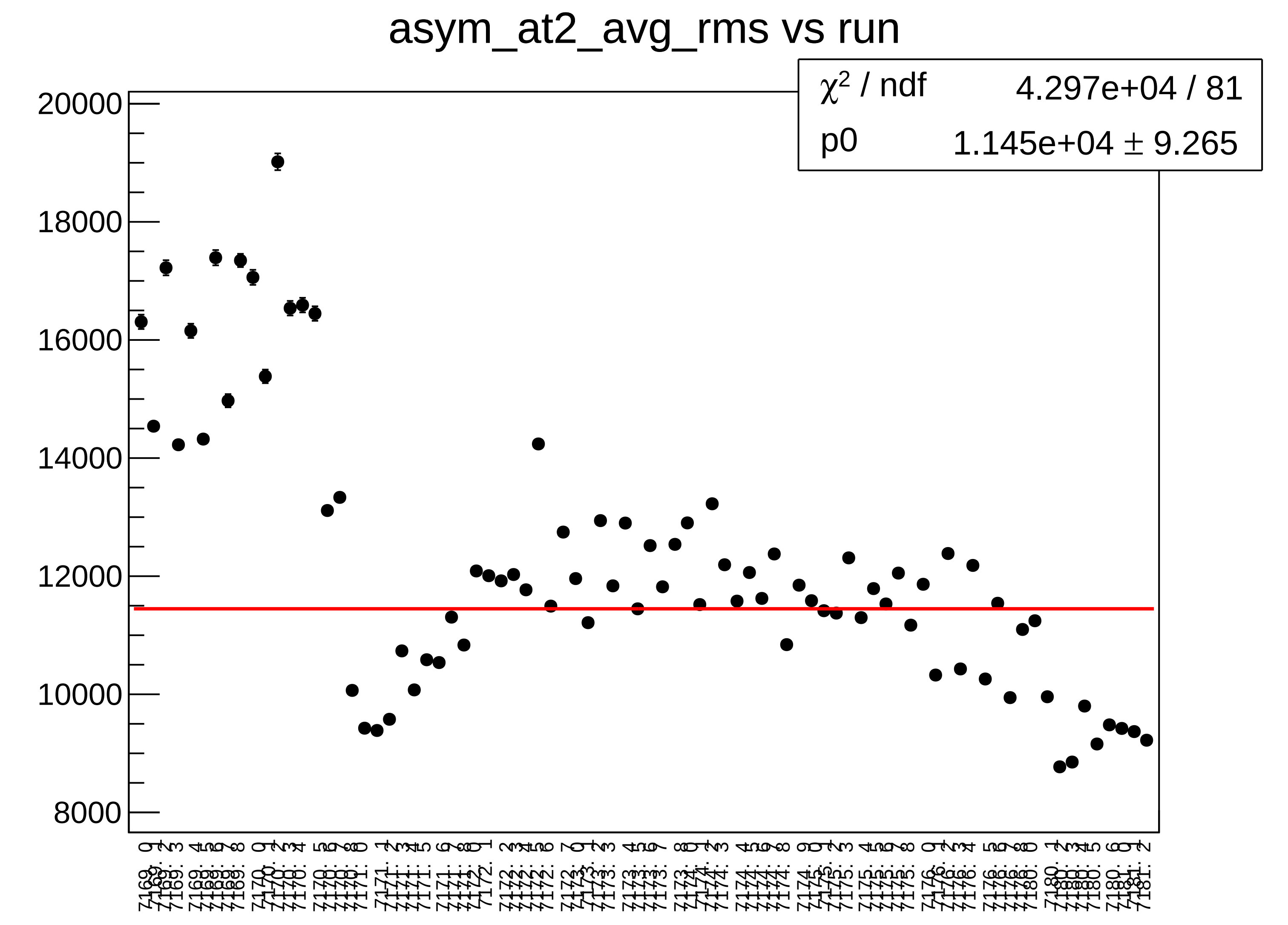


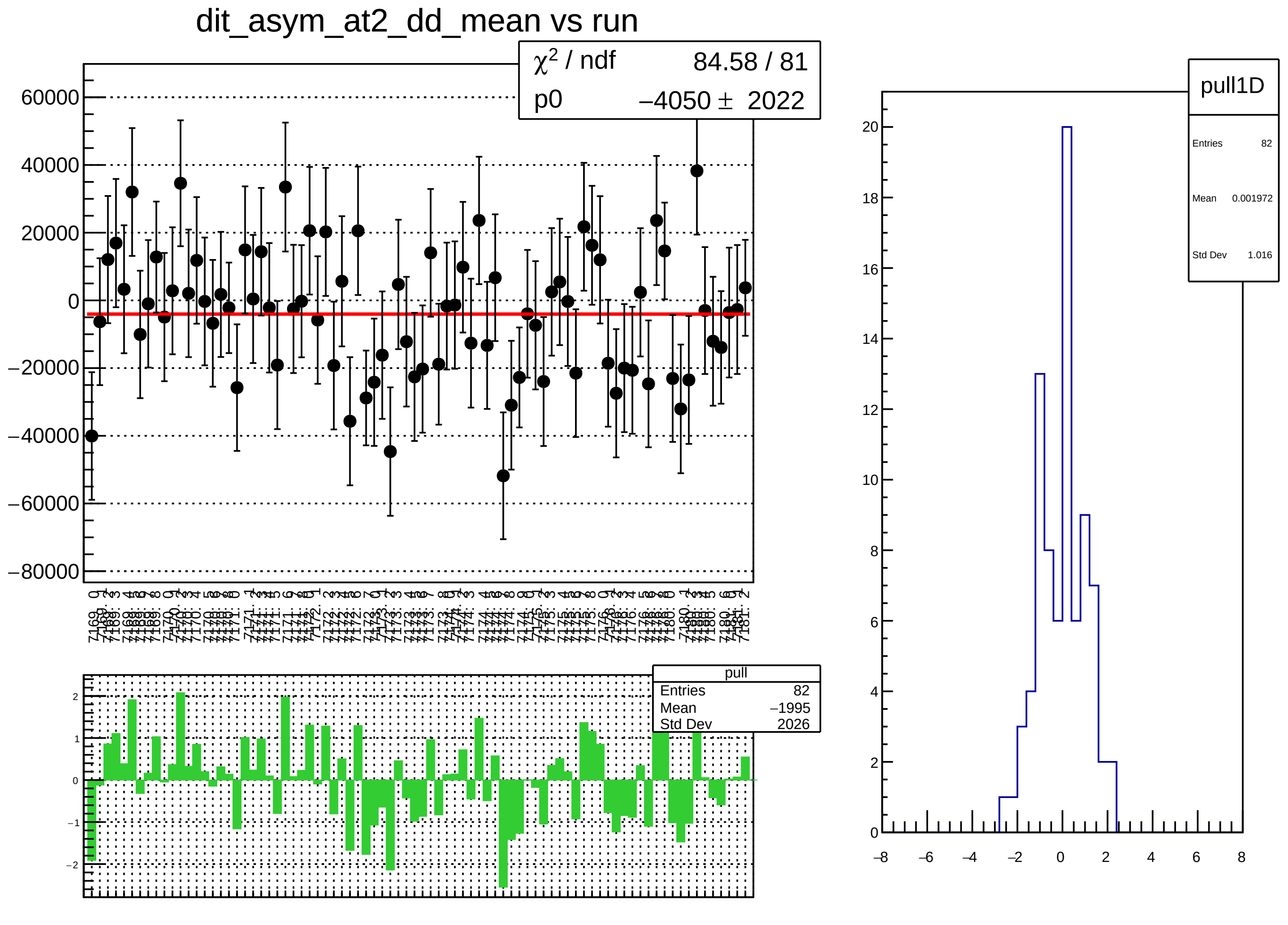

asym_at2_avg_correction_rms vs run
χ^2 / ndf 4.512e+04 / 81
p0 1.136e+04 ± 9.196
20000
18000
16000
14000
12000
10000
8000

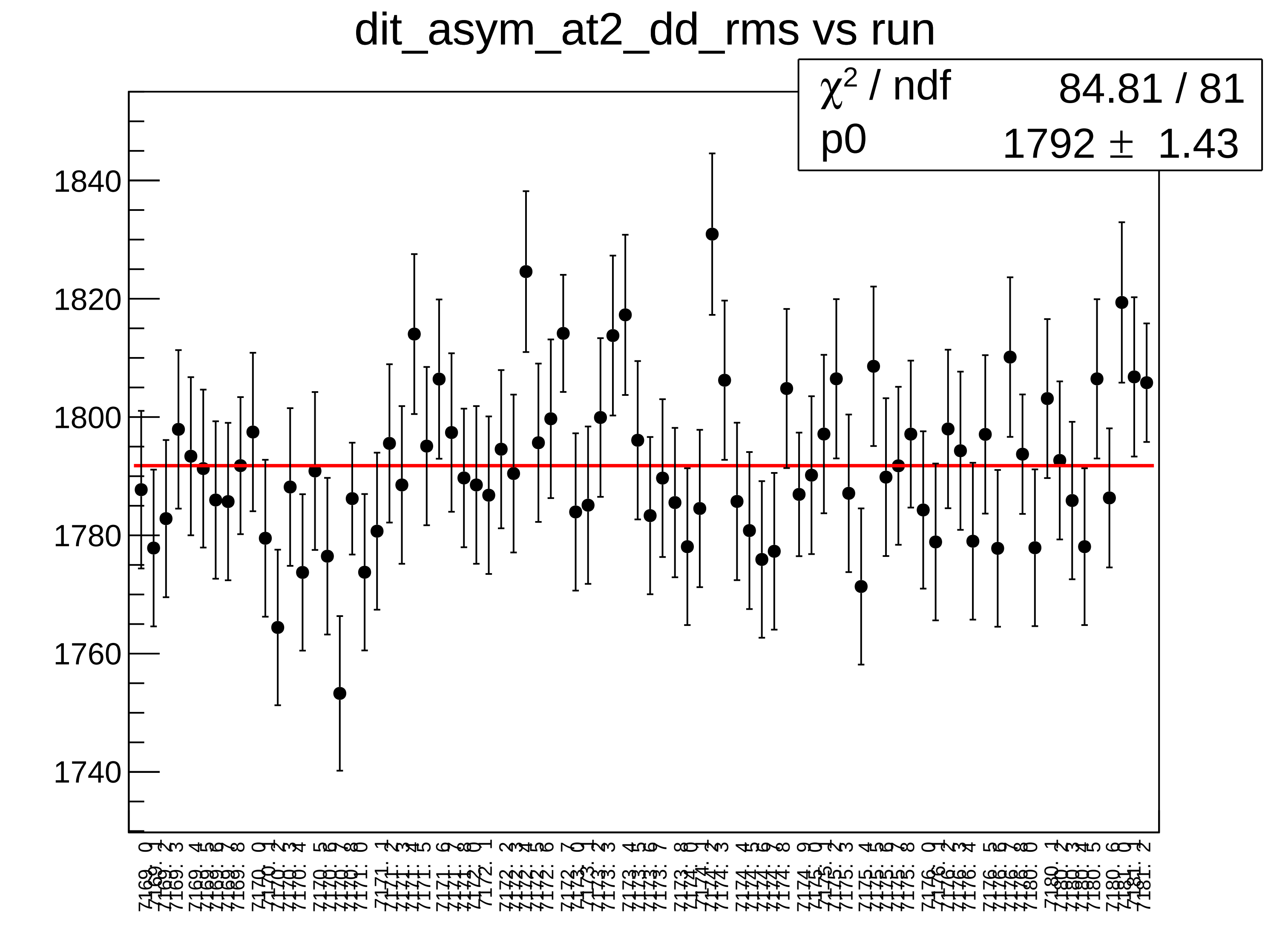
asym_at2_avg_mean vs run

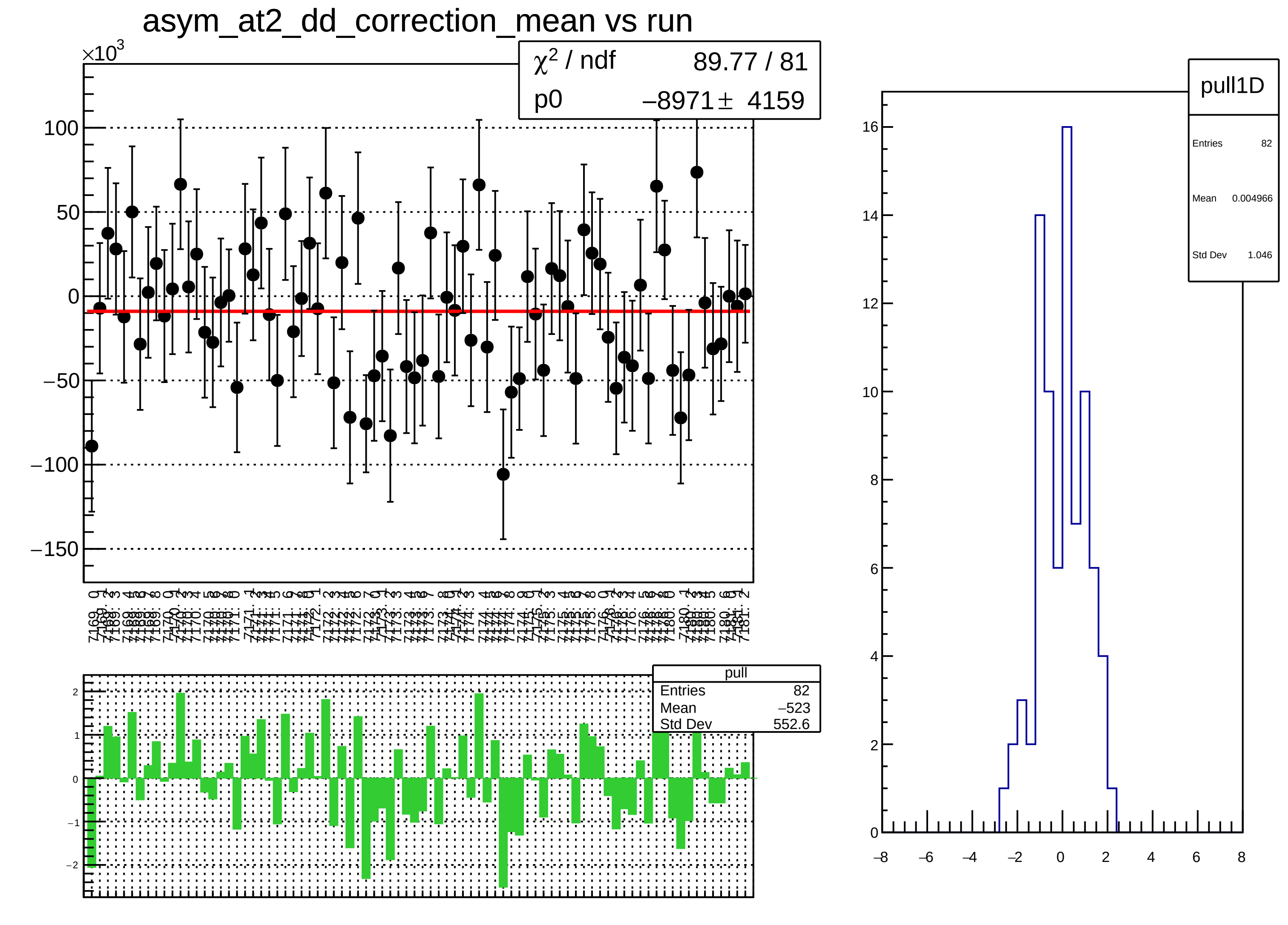




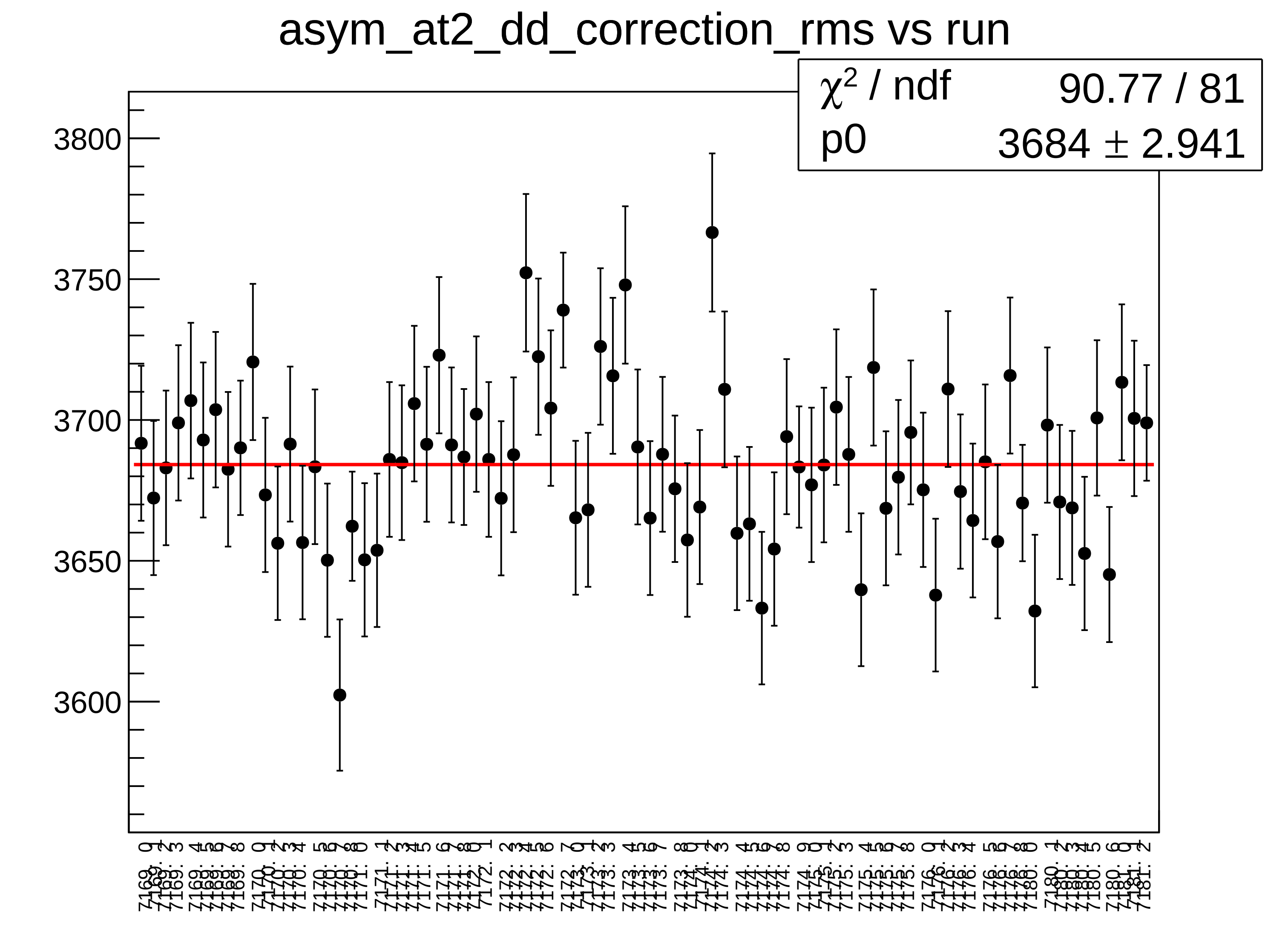

asym_at2_avg_rms vs run
χ2 / ndf 4.297e+04 / 81
p0 1.145e+04 ± 9.265
20000
18000
16000
14000
12000
10000
8000

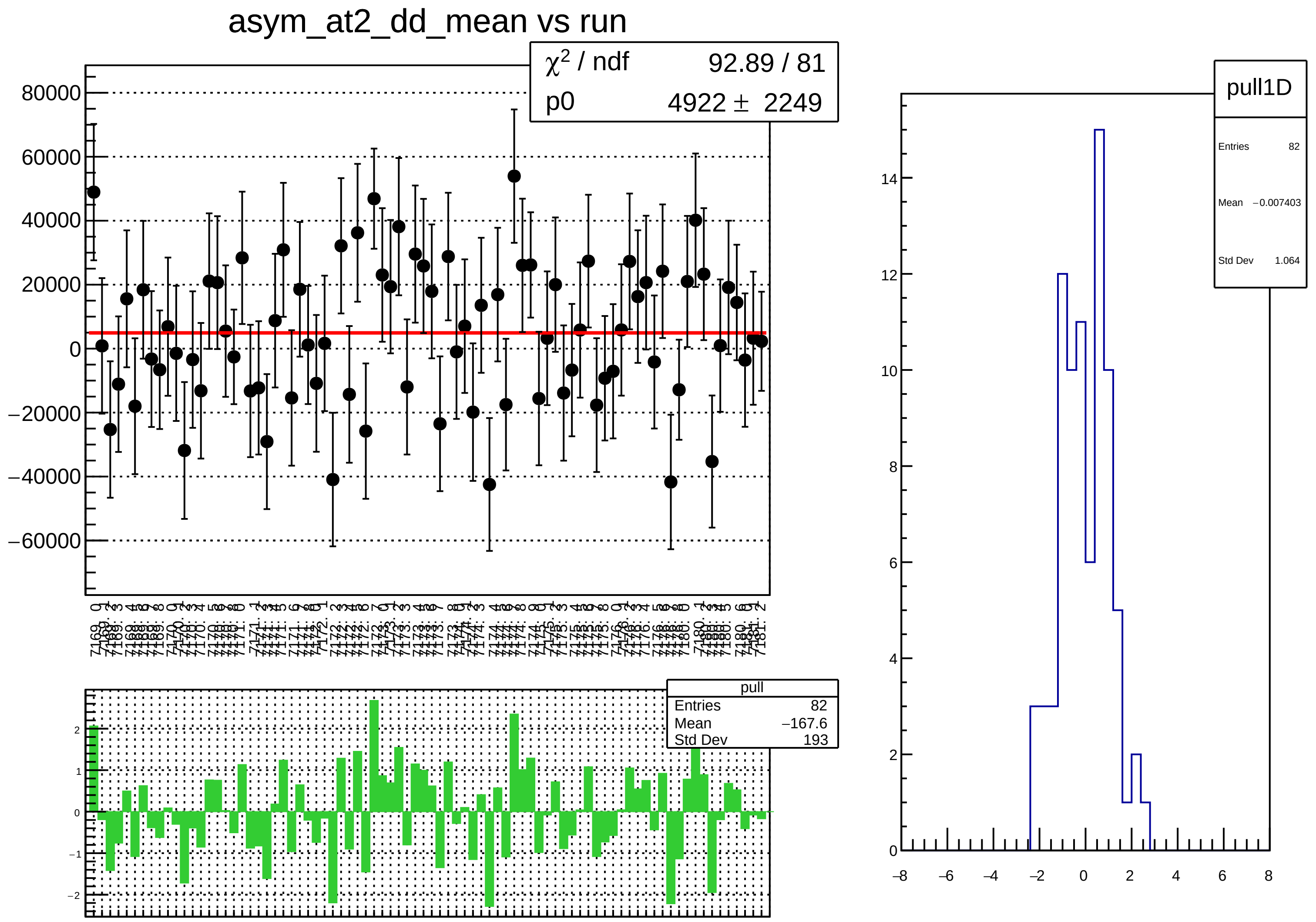

dit_asym_at2_dd_mean vs run
χ2 / ndf 84.58 / 81
p0 −4050 ± 2022
pull
Entries 82
Mean −1995
Std Dev 2026
pull1D
Entries 82
Mean 0.001972
Std Dev 1.016


dit_asym_at2_dd_rms vs run
χ2 / ndf 84.81 / 81
p0 1792 ± 1.43
1840
1820
1800
1780
1760
1740

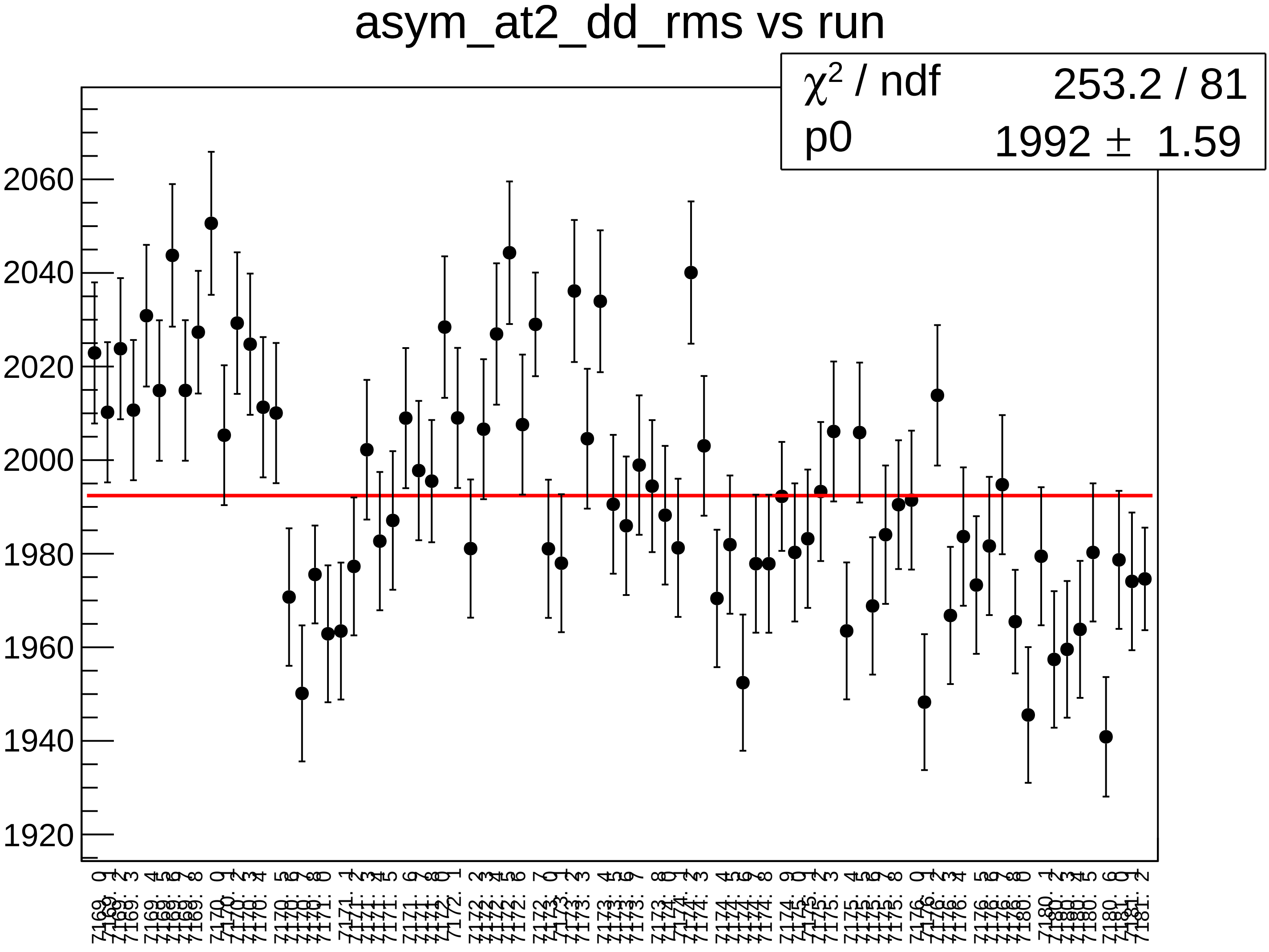


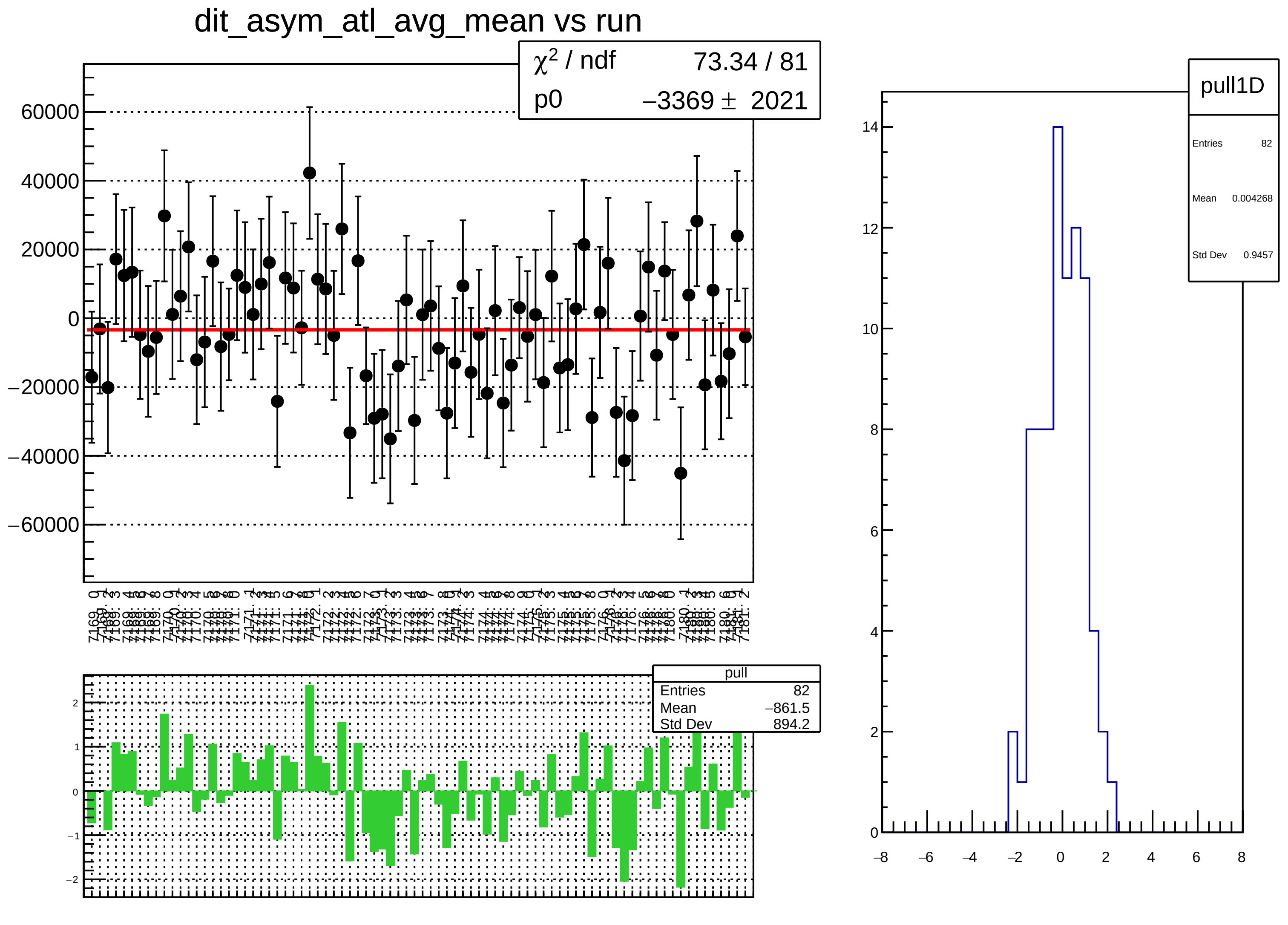
asym_at2_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 89.77 / 81
p0 −8971 ± 4159
pull
Entries 82
Mean −523
Std Dev 552.6
pull1D
Entries 82
Mean 0.004966
Std Dev 1.046


asym_at2_dd_correction_rms vs run
χ2 / ndf 90.77 / 81
p0 3684 ± 2.941
3800
3750
3700
3650
3600

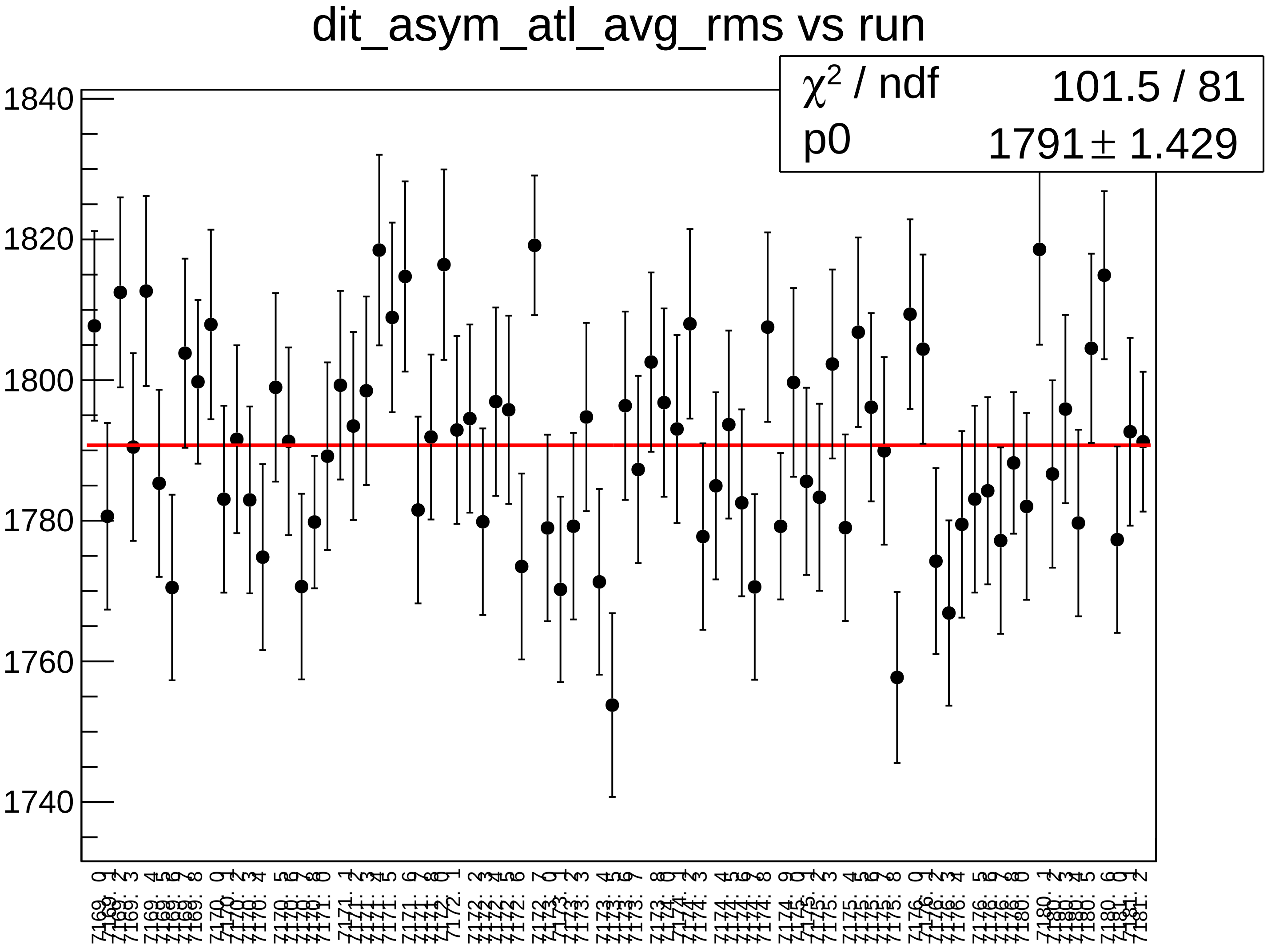


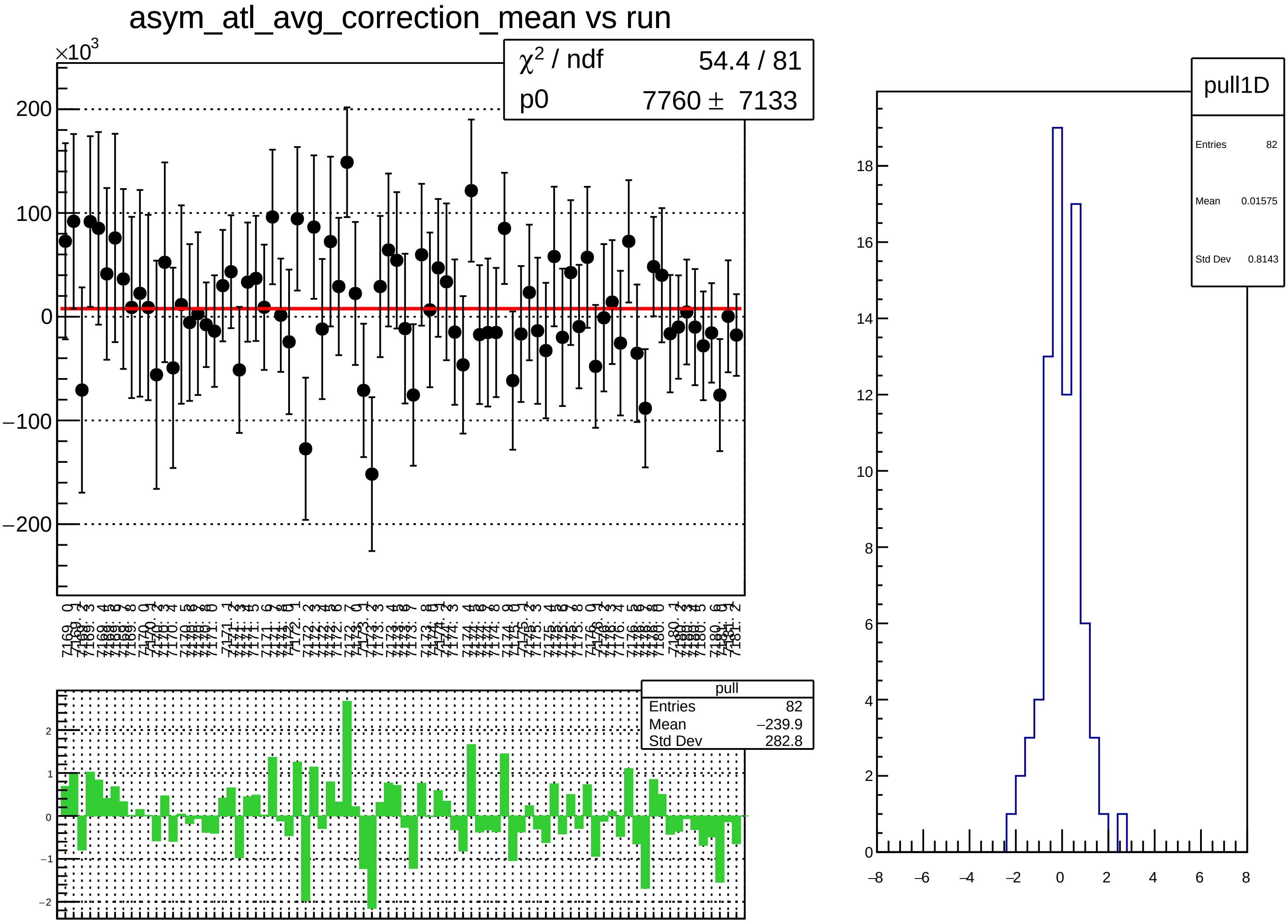
asym_at2_dd_mean vs run
χ^2 / ndf 92.89 / 81
p0 4922 ± 2249
pull
Entries 82
Mean −167.6
Std Dev 193
pull1D
Entries 82
Mean −0.007403
Std Dev 1.064


asym_at2_dd_rms vs run
χ2 / ndf 253.2 / 81
p0 1992 ± 1.59
2060
2040
2020
2000
1980
1960
1940
1920

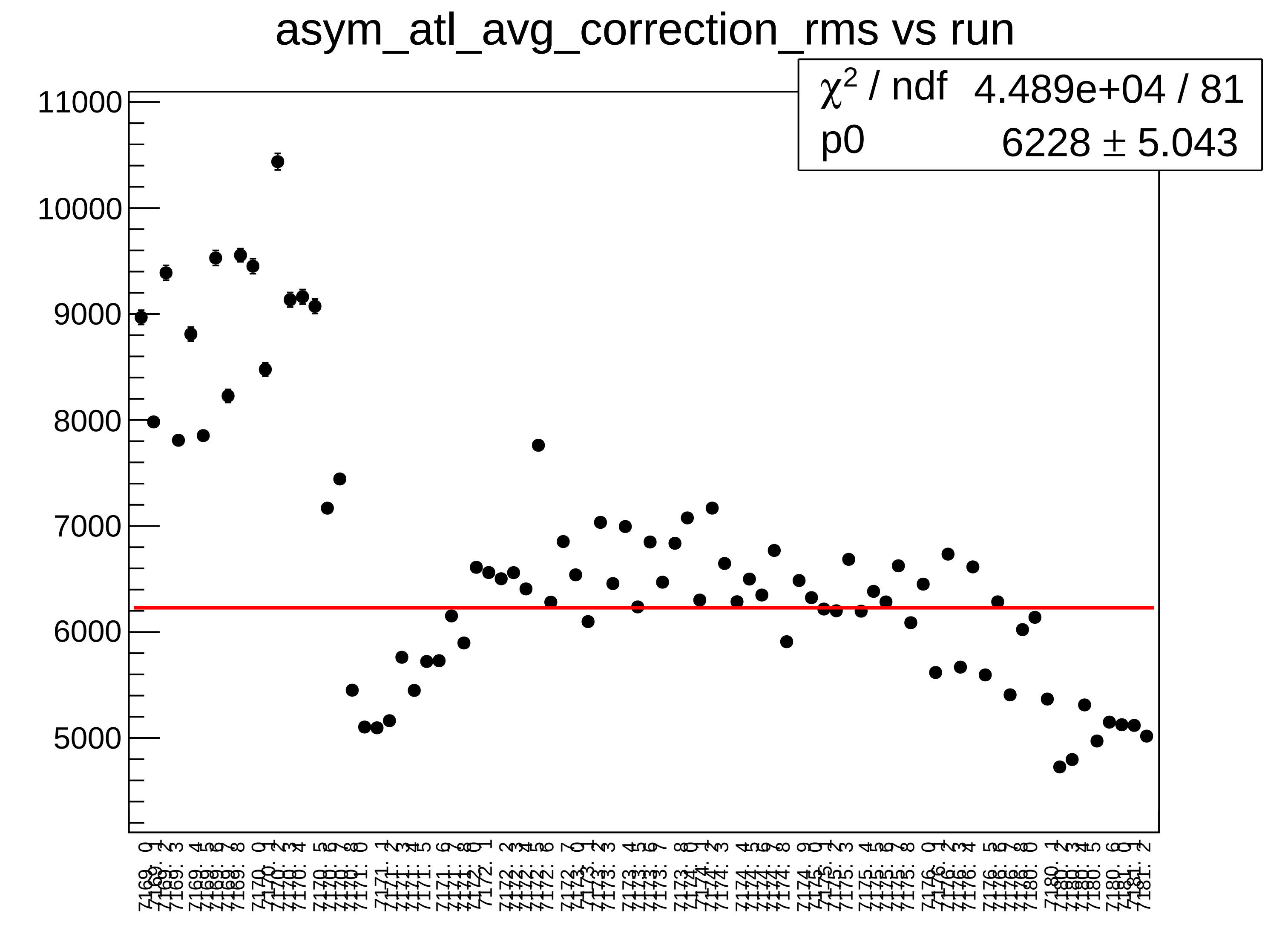


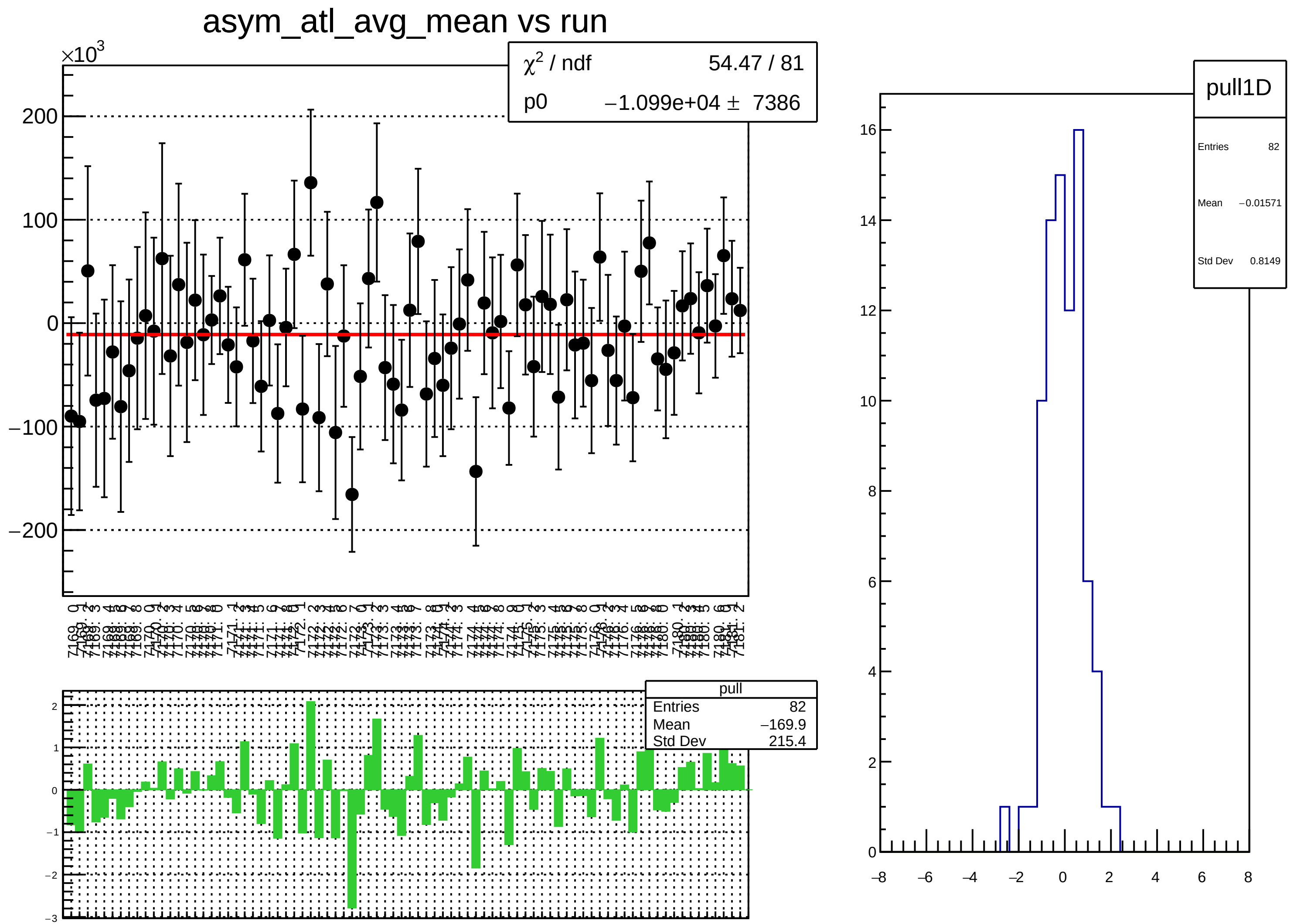
dit_asym_atl_avg_mean vs run
χ^2 / ndf 73.34 / 81
p0 −3369 ± 2021
pull
Entries 82
Mean −861.5
Std Dev 894.2
pull1D
Entries 82
Mean 0.004268
Std Dev 0.9457

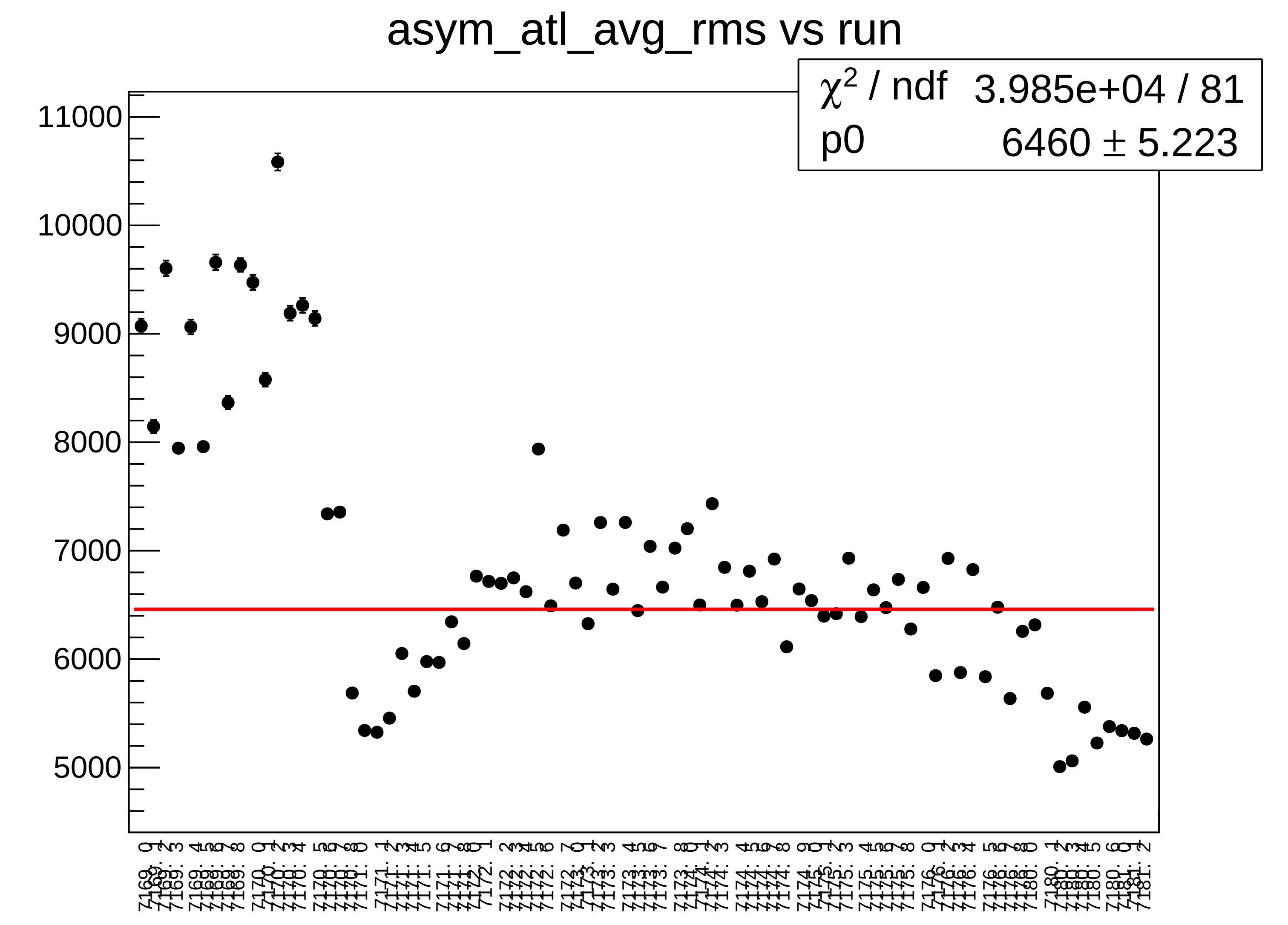

dit_asym_atl_avg_rms vs run
χ^2 / ndf 101.5 / 81
p0 1791 ± 1.429
1840
1820
1800
1780
1760
1740

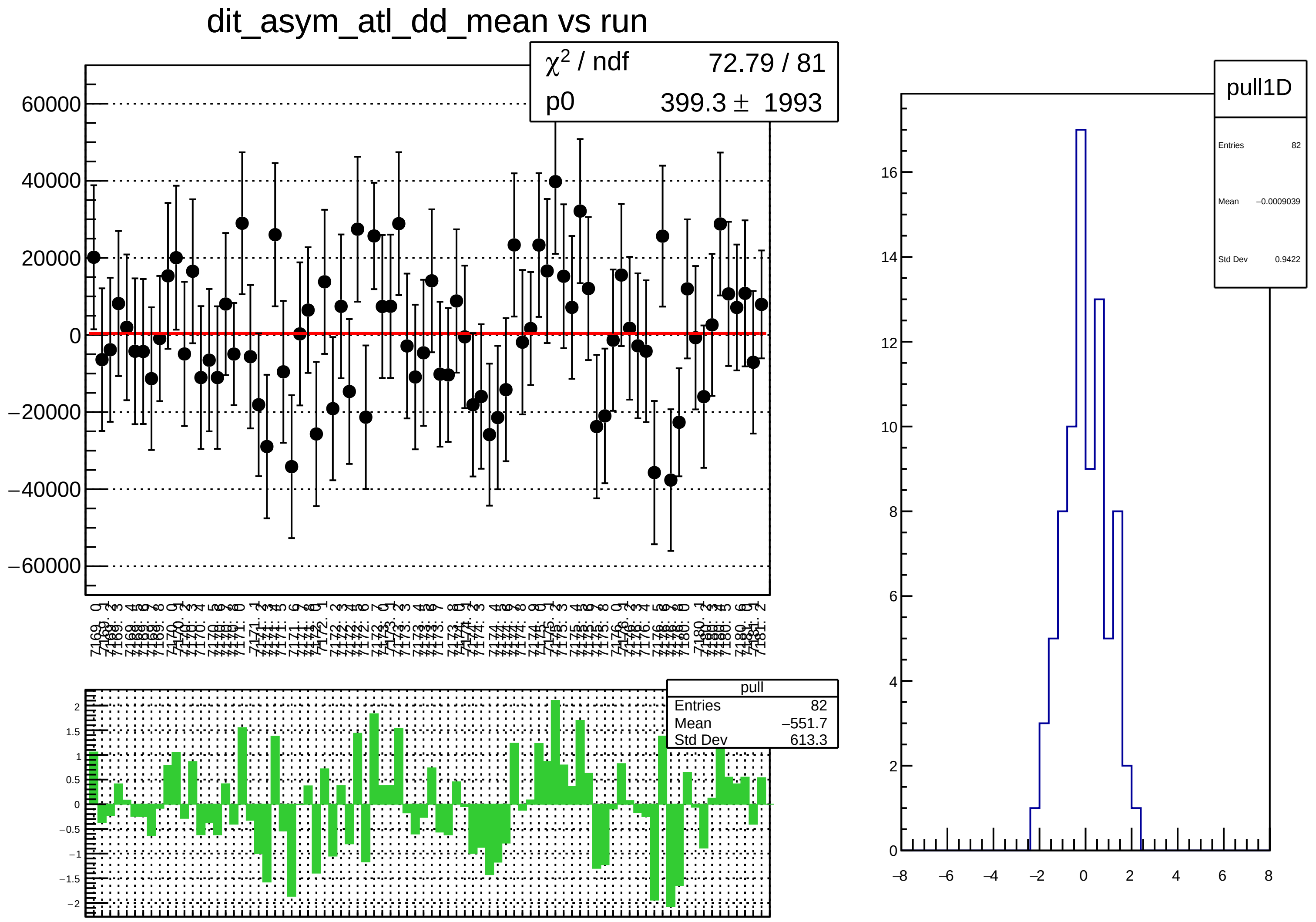


asym_atl_avg_correction_mean vs run
×10^3
χ2 / ndf 54.4 / 81
p0 7760 ± 7133
200
100
0
−100
−200
pull
Entries 82
Mean −239.9
Std Dev 282.8
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01575
Std Dev 0.8143
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

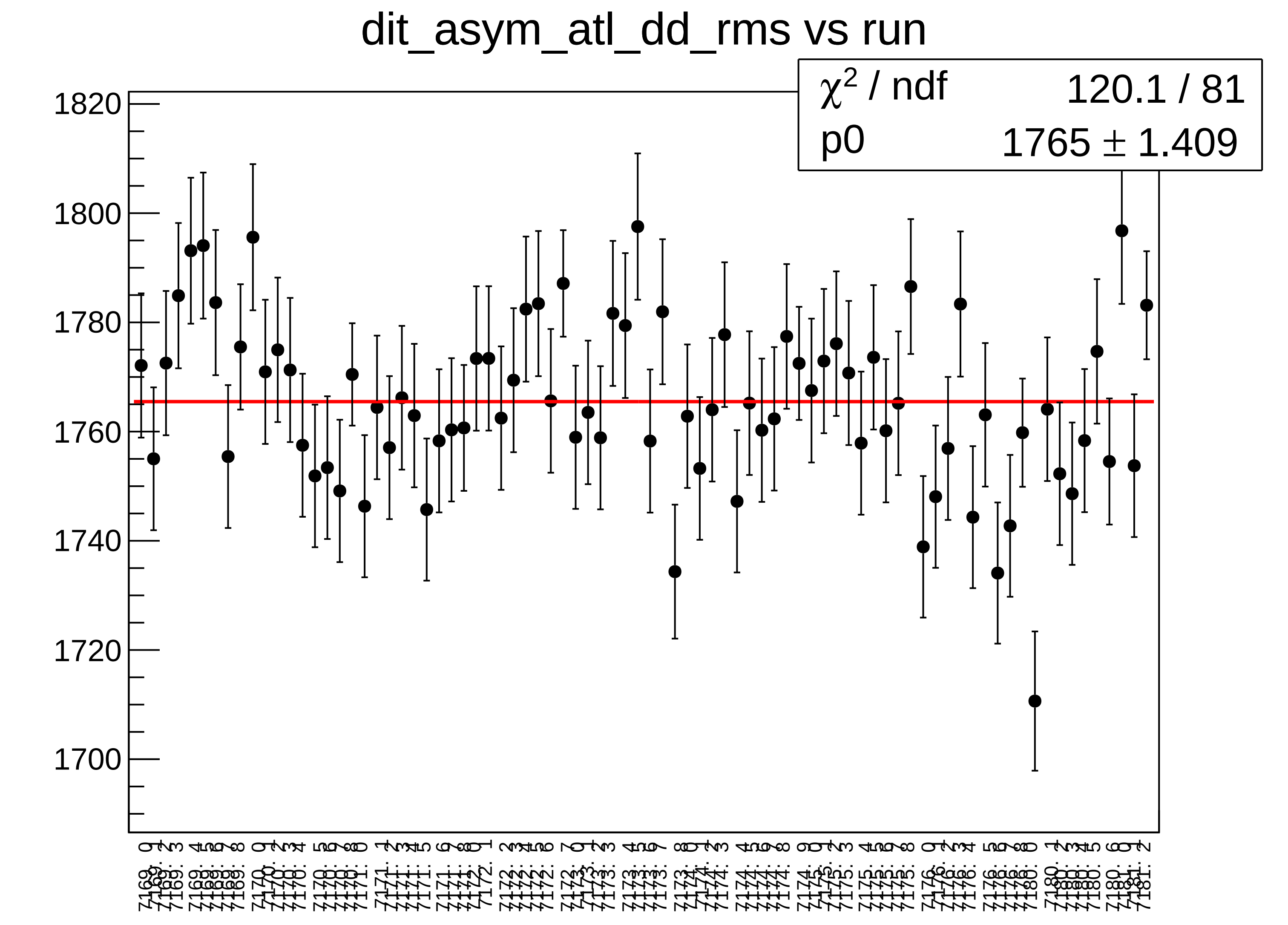

asym_atl_avg_correction_rms vs run
χ^2 / ndf 4.489e+04 / 81
p0 6228 ± 5.043
11000
10000
9000
8000
7000
6000
5000

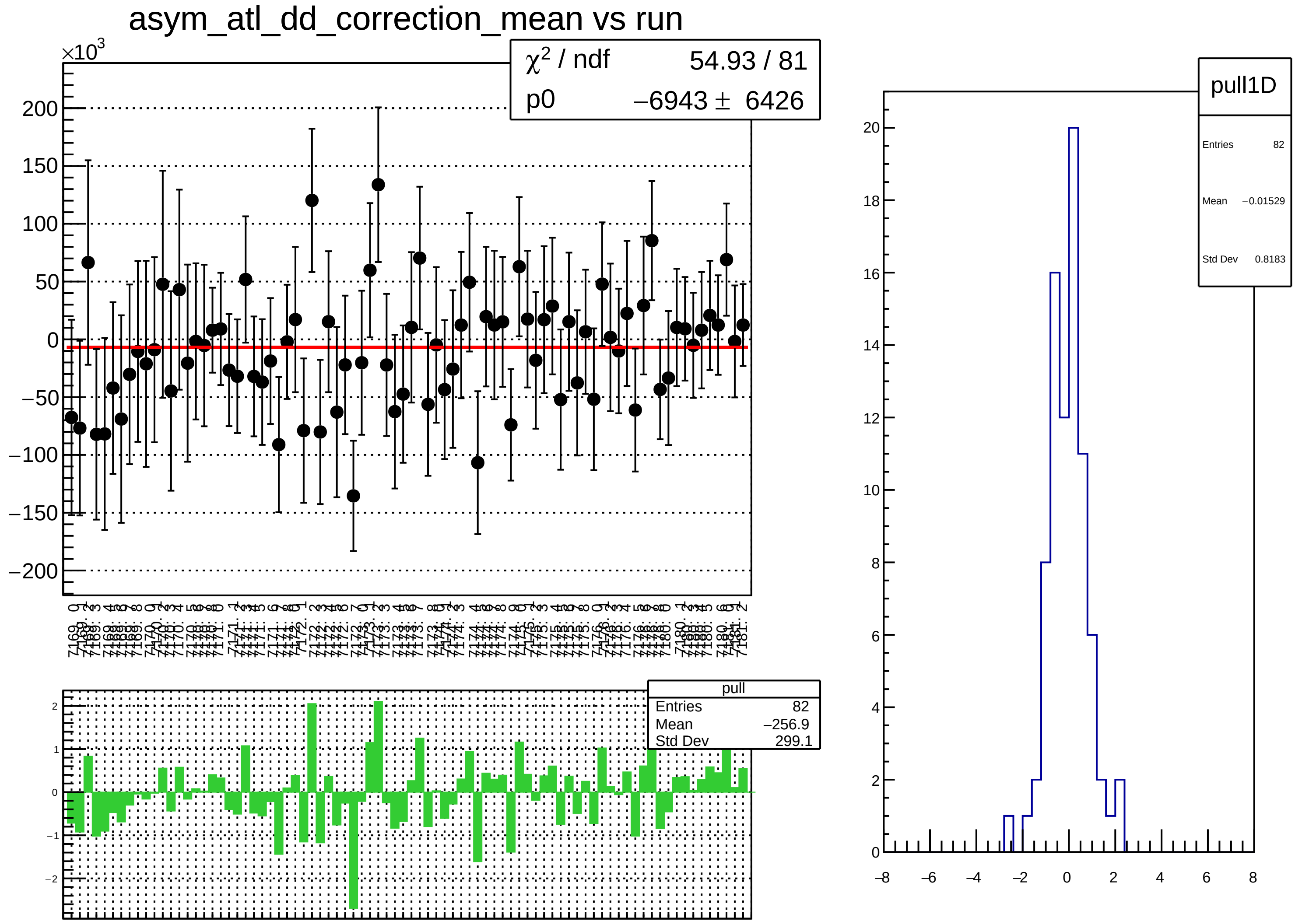

asym_atl_avg_mean vs run
×10^3
χ2 / ndf 54.47 / 81
p0 −1.099e+04 ± 7386
200
100
0
−100
−200
pull
Entries 82
Mean −169.9
Std Dev 215.4
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01571
Std Dev 0.8149
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

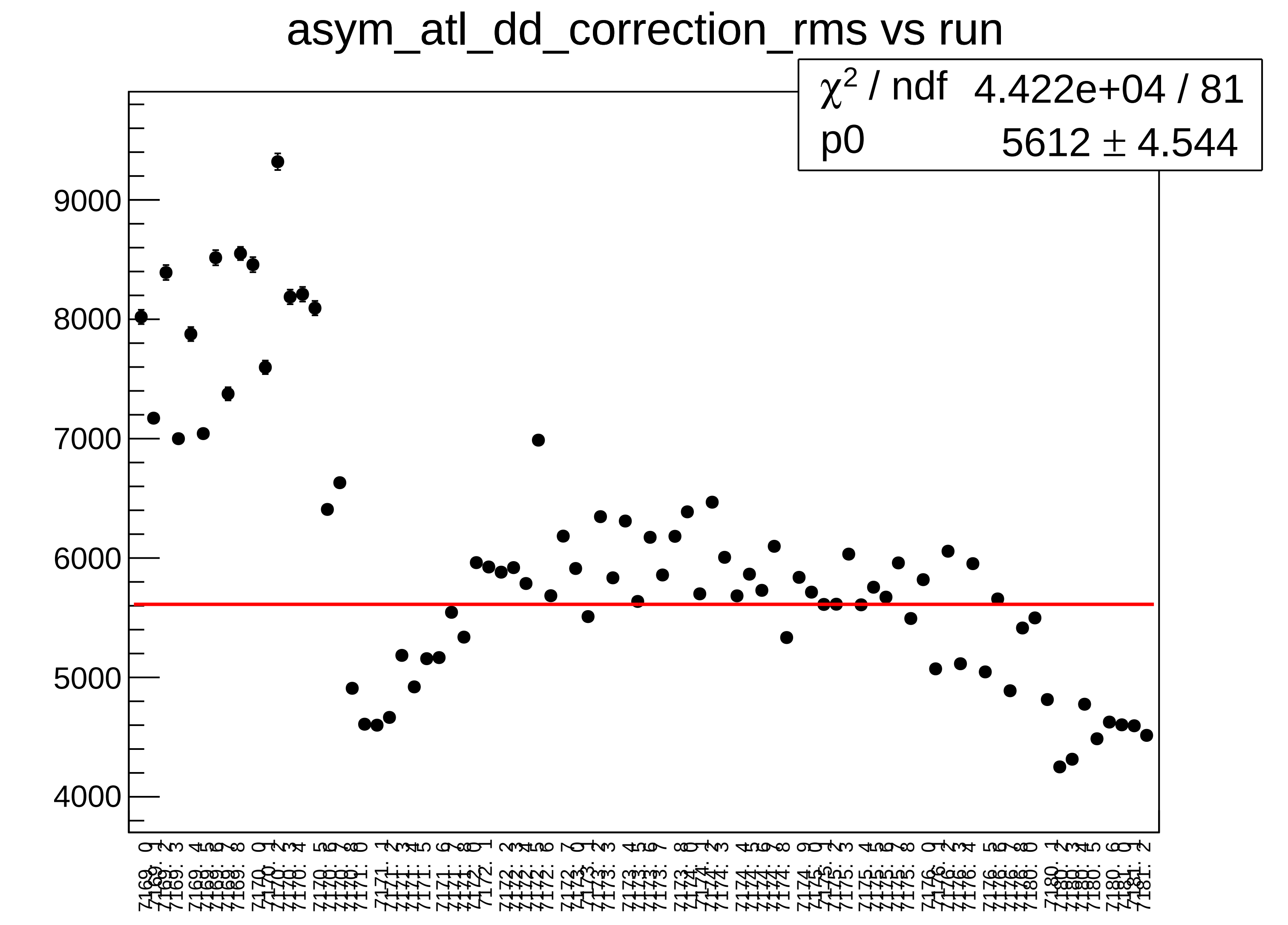

asym_atl_avg_rms vs run
χ^2 / ndf 3.985e+04 / 81
p0 6460 ± 5.223
11000
10000
9000
8000
7000
6000
5000

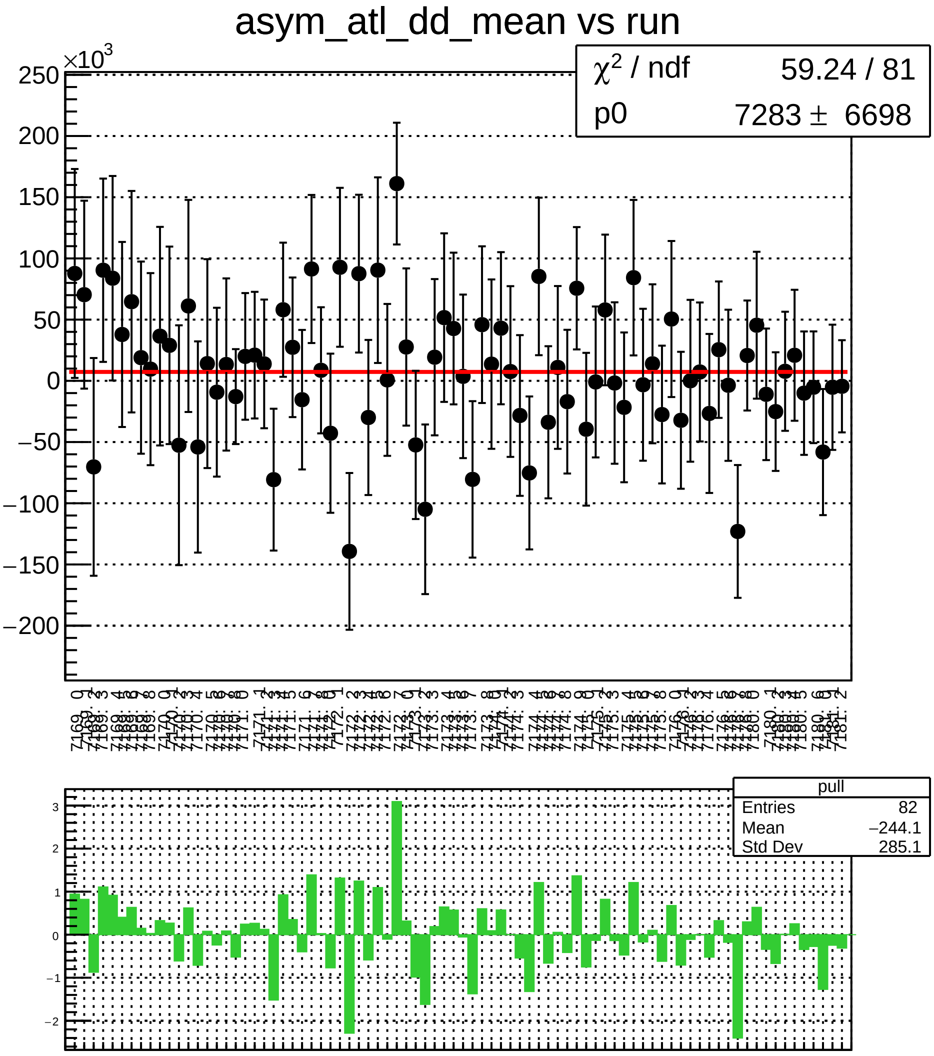


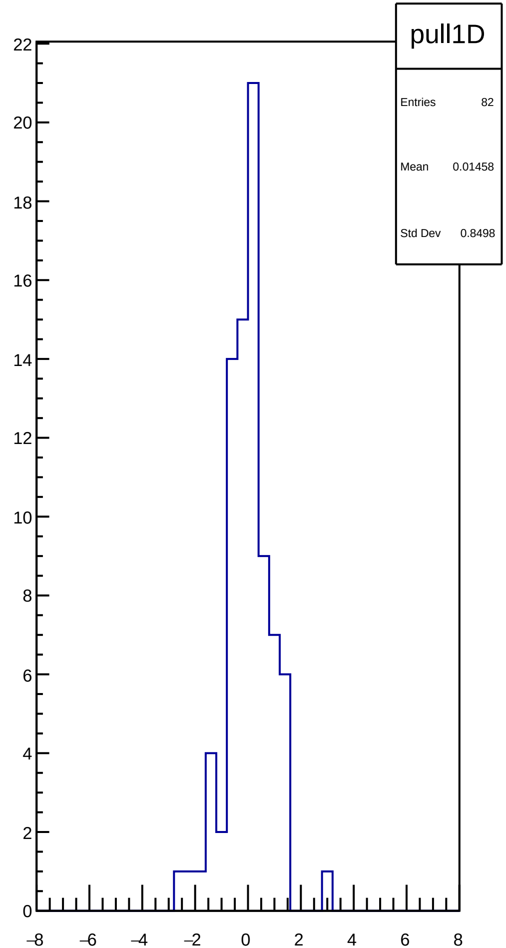
dit_asym_atl_dd_mean vs run
χ2 / ndf 72.79 / 81
p0 399.3 ± 1993
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −551.7
Std Dev 613.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.0009039
Std Dev 0.9422
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

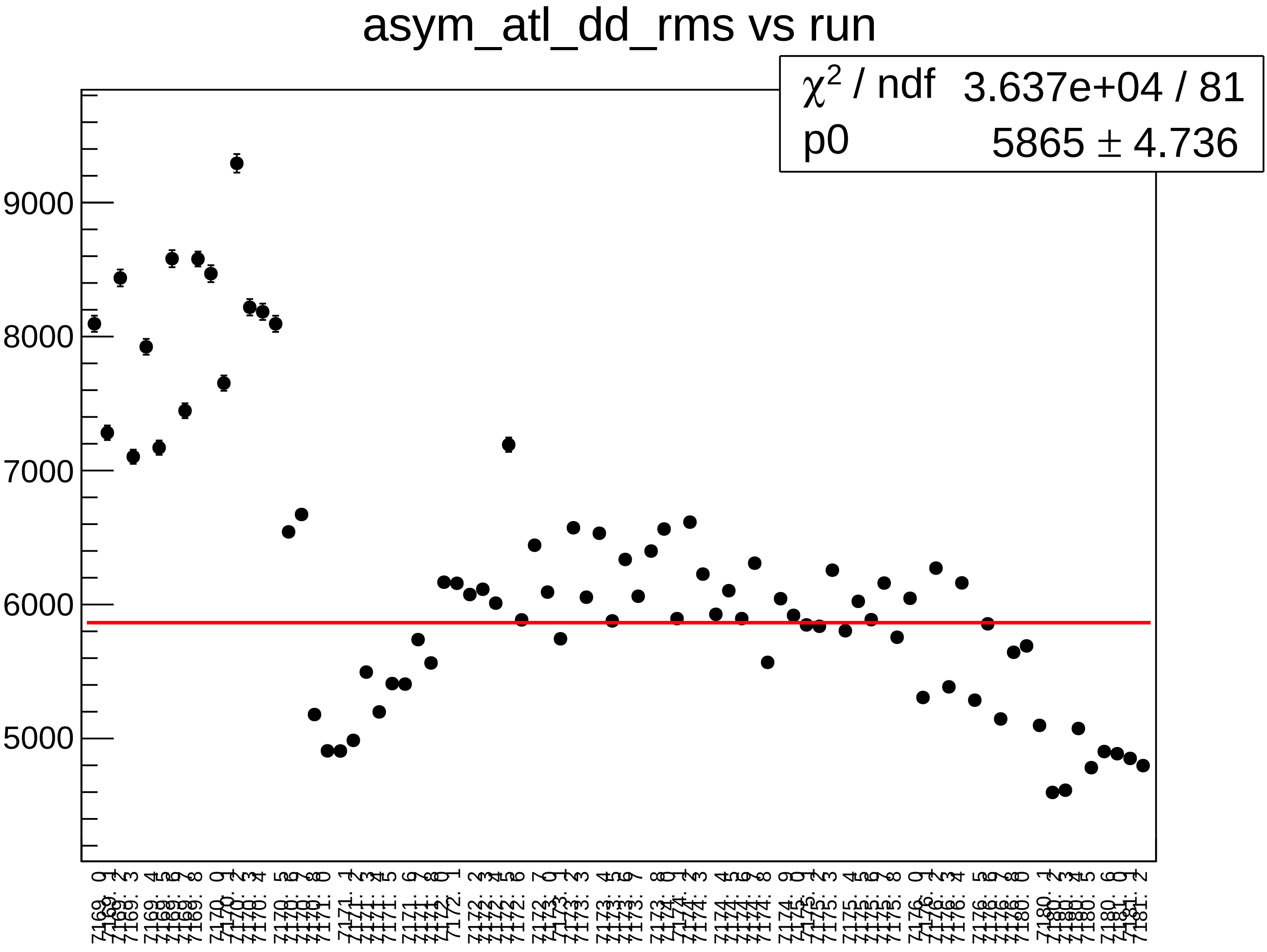

dit_asym_atl_dd_rms vs run
χ^2 / ndf 120.1 / 81
p0 1765 ± 1.409
1820
1800
1780
1760
1740
1720
1700

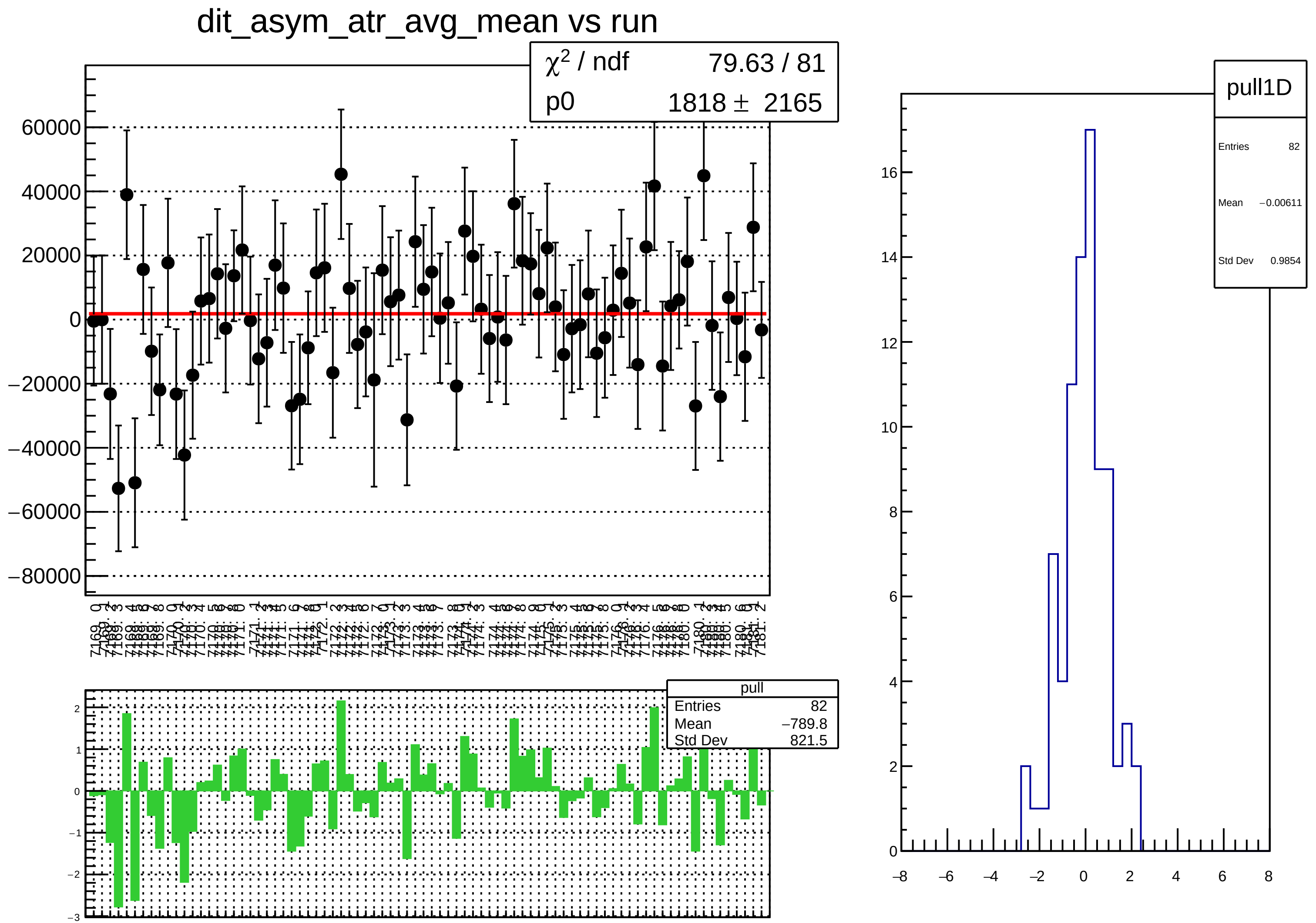

asym_atl_dd_correction_mean vs run
χ^2 / ndf 54.93 / 81
p0 −6943 ± 6426
pull1D
Entries 82
Mean −0.01529
Std Dev 0.8183
pull
Entries 82
Mean −256.9
Std Dev 299.1

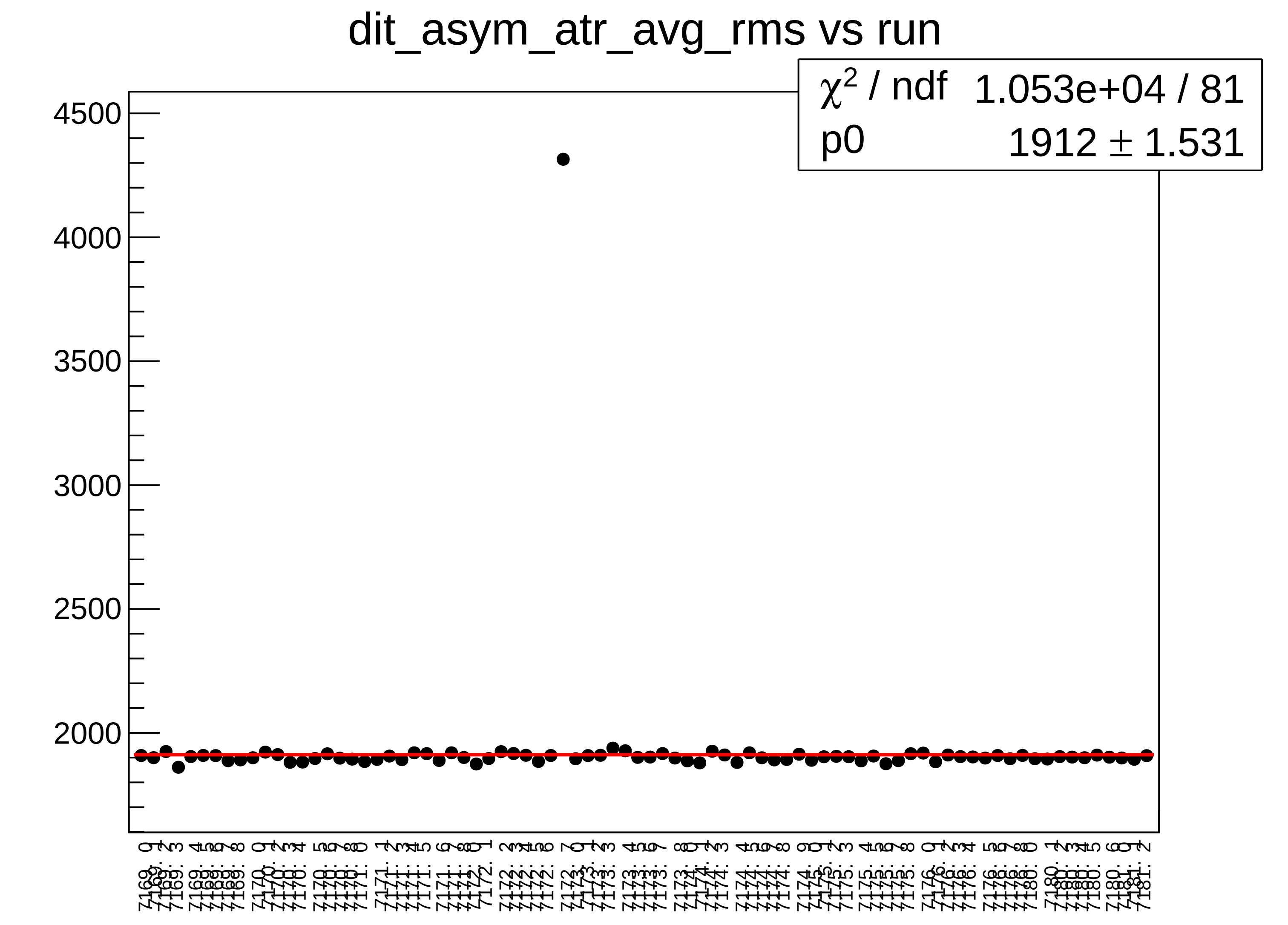

asym_atl_dd_correction_rms vs run
χ² / ndf 4.422e+04 / 81
p0 5612 ± 4.544
9000
8000
7000
6000
5000
4000

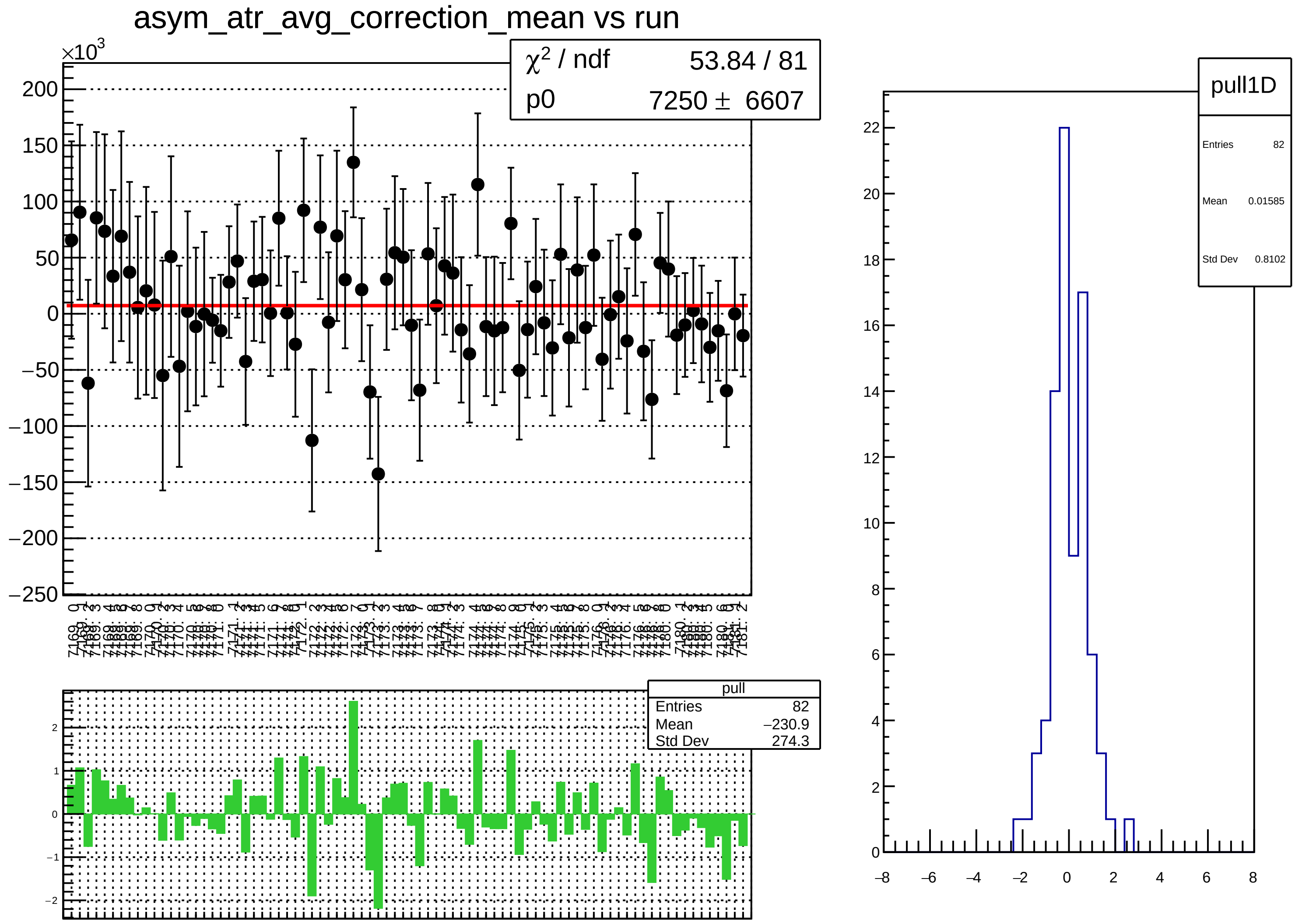

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 59.24 / 81
p0 7283 ± 6698
pull
Entries 82
Mean −244.1
Std Dev 285.1

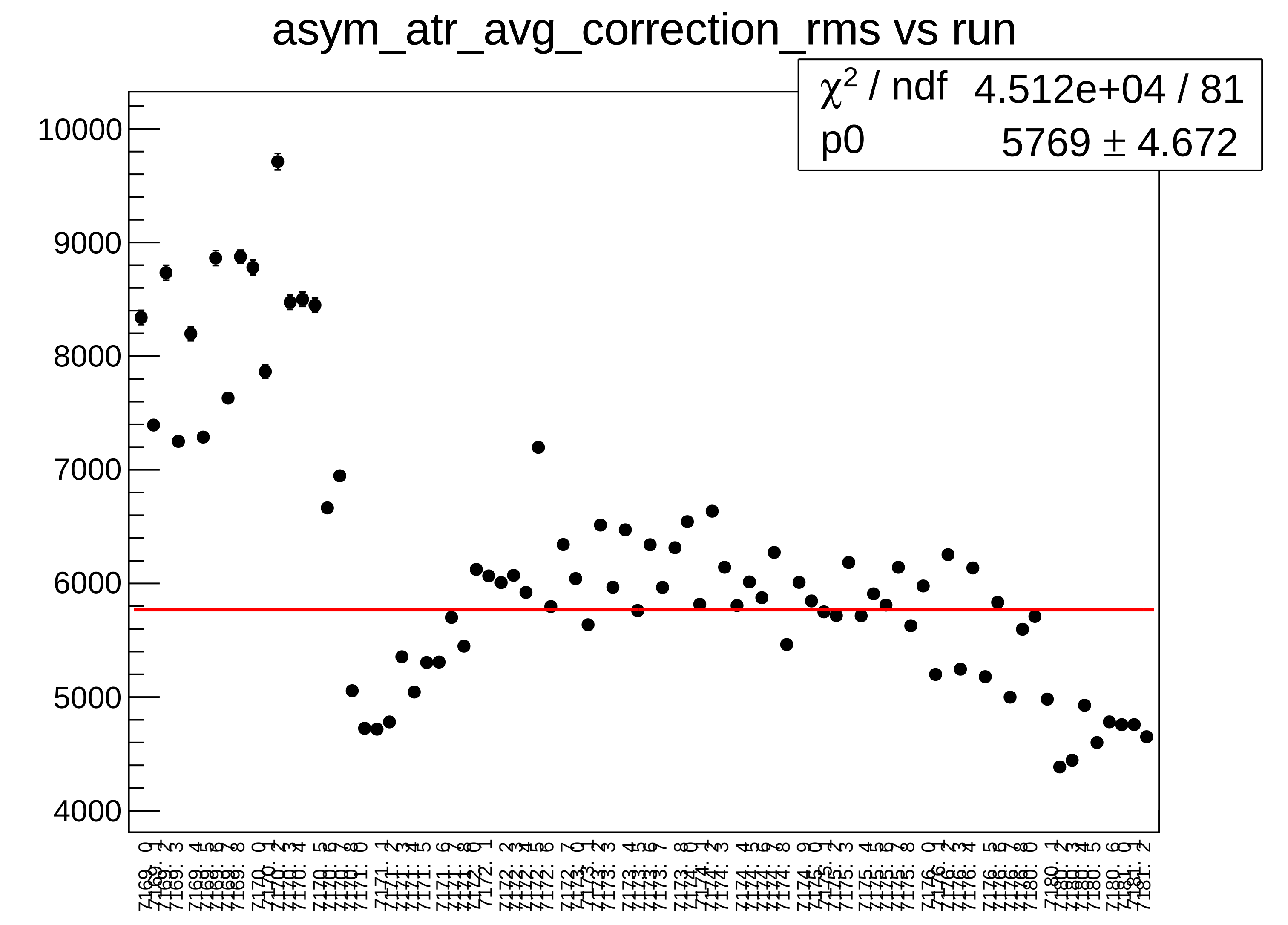

pull1D
Entries 82
Mean 0.01458
Std Dev 0.8498

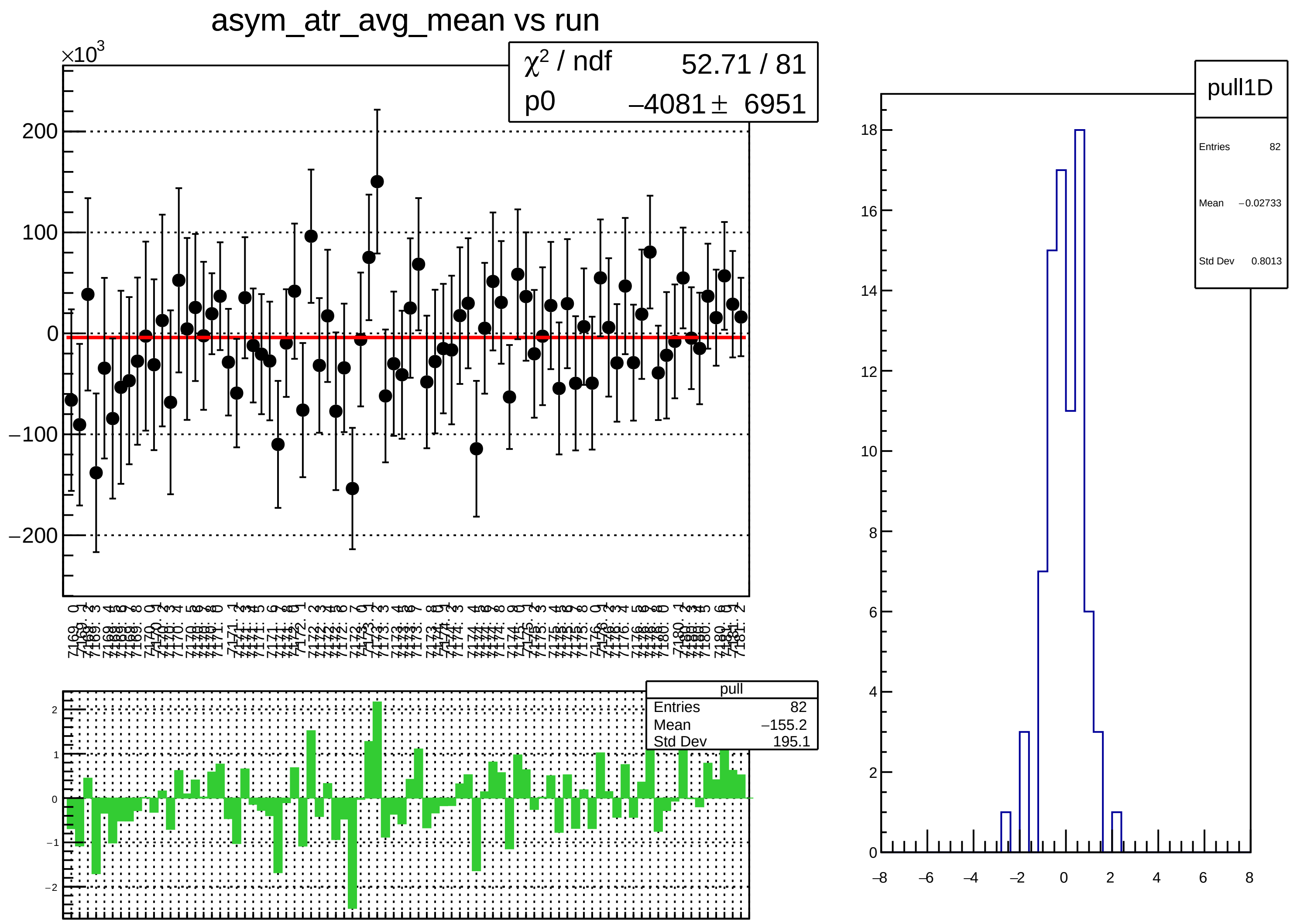

asym_atl_dd_rms vs run
χ2 / ndf 3.637e+04 / 81
p0 5865 ± 4.736
9000
8000
7000
6000
5000


dit_asym_atr_avg_mean vs run
χ^2 / ndf 79.63 / 81
p0 1818 ± 2165
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −789.8
Std Dev 821.5
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.00611
Std Dev 0.9854
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

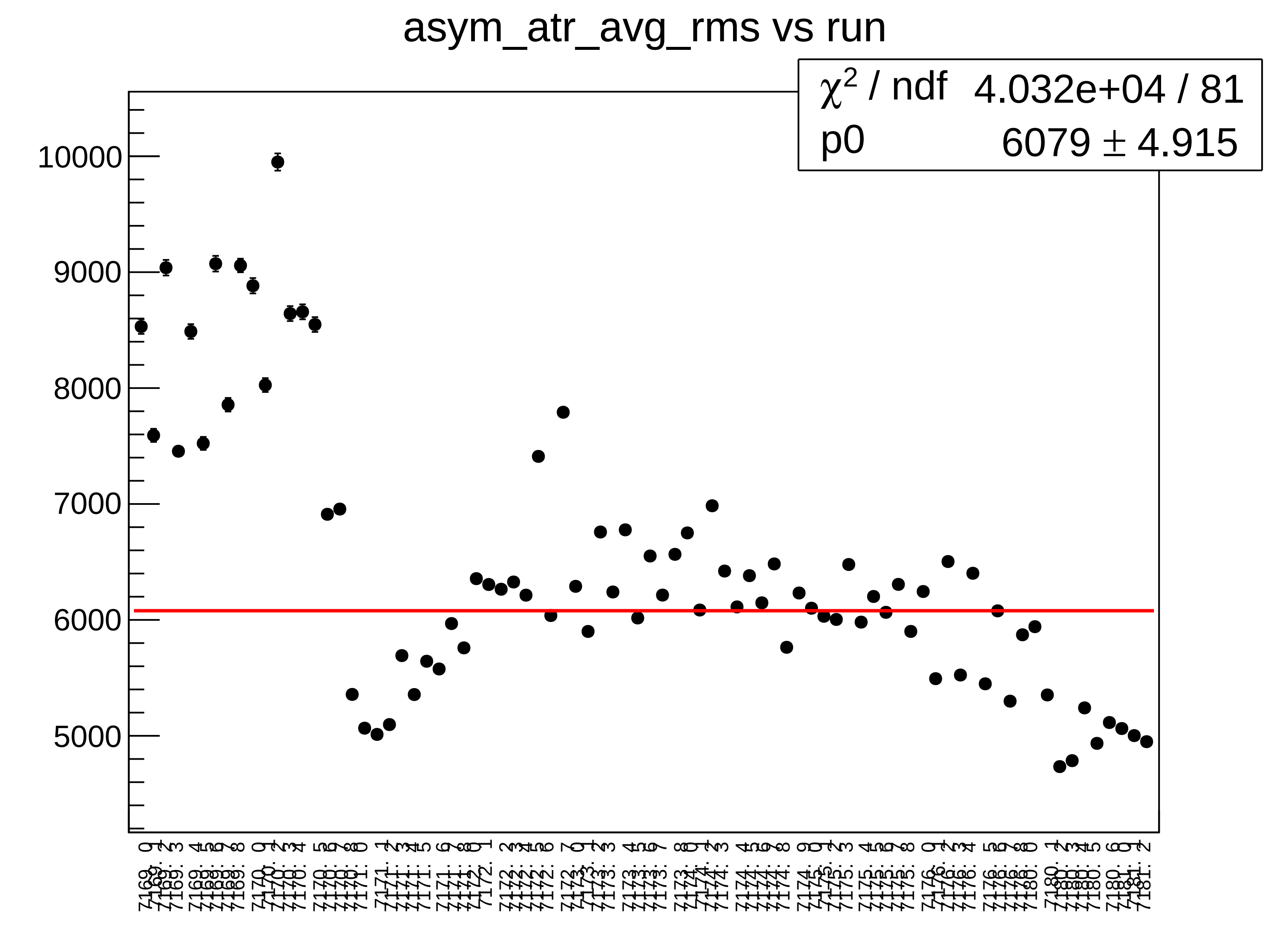

dit_asym_atr_avg_rms vs run
χ^2 / ndf 1.053e+04 / 81
p0 1912 ± 1.531
4500
4000
3500
3000
2500
2000

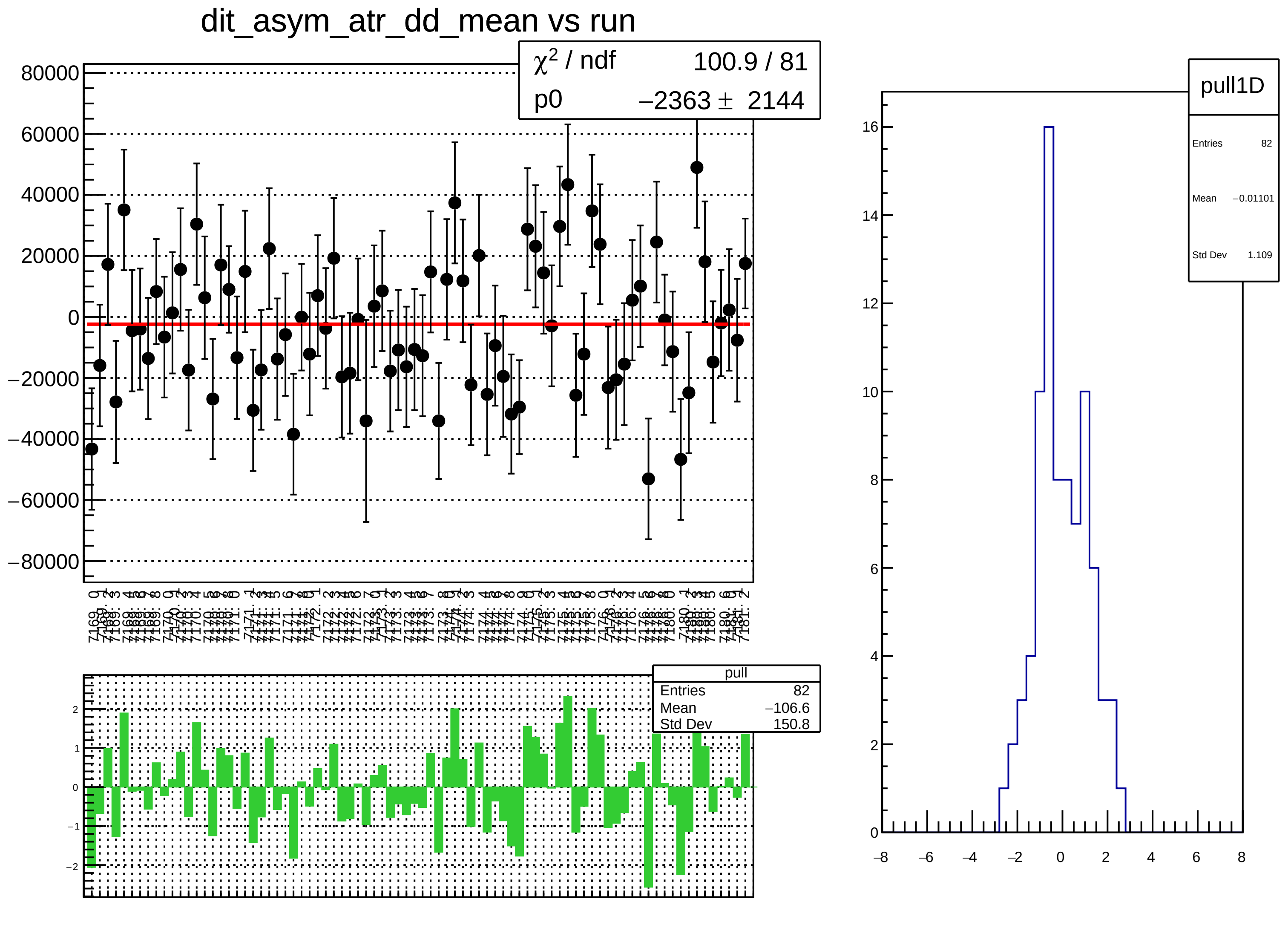

asym_atr_avg_correction_mean vs run
×10^3
χ2 / ndf 53.84 / 81
p0 7250 ± 6607
pull
Entries 82
Mean −230.9
Std Dev 274.3
pull1D
Entries 82
Mean 0.01585
Std Dev 0.8102


asym_atr_avg_correction_rms vs run
χ^2 / ndf 4.512e+04 / 81
p0 5769 ± 4.672
10000
9000
8000
7000
6000
5000
4000

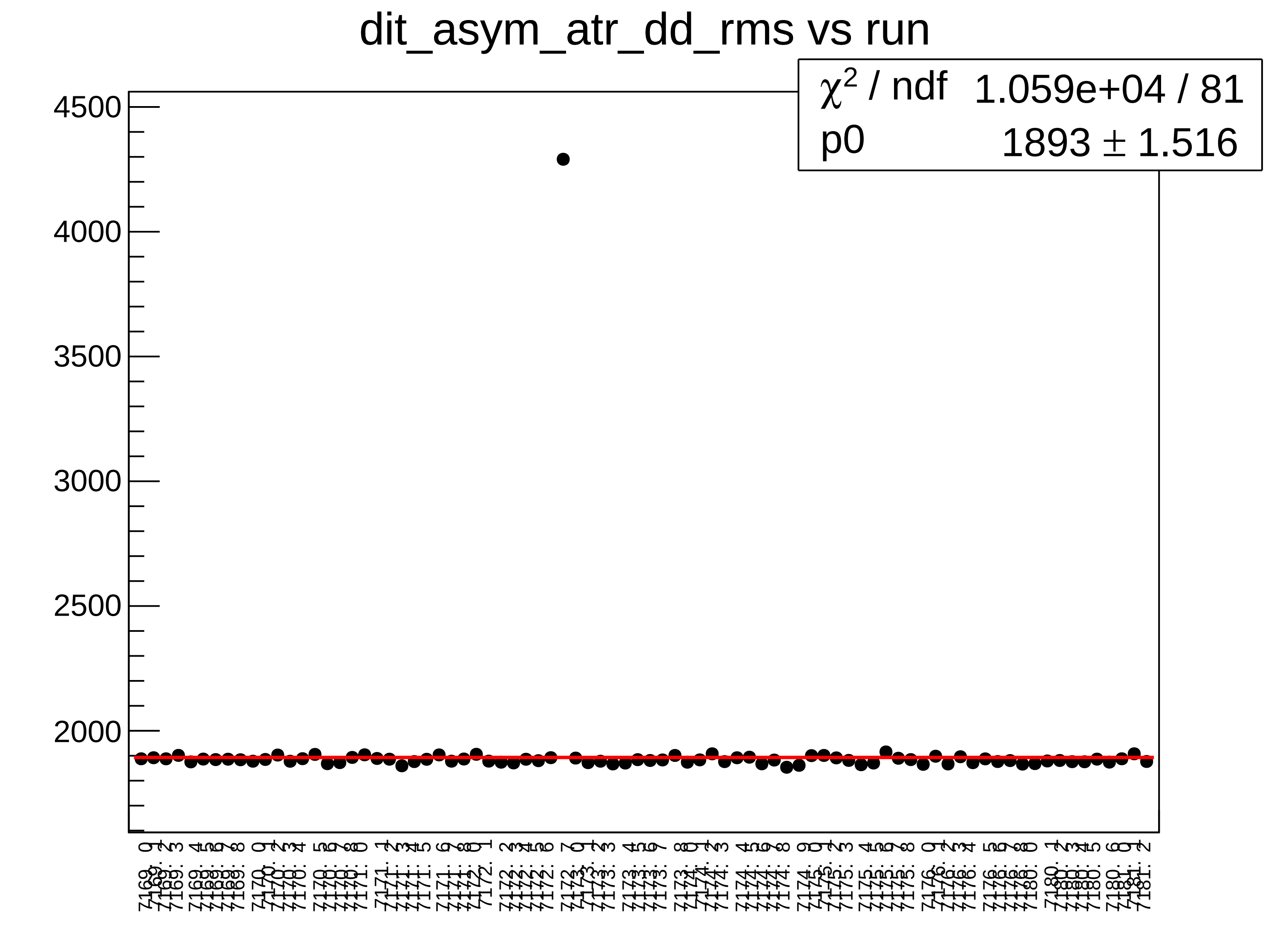


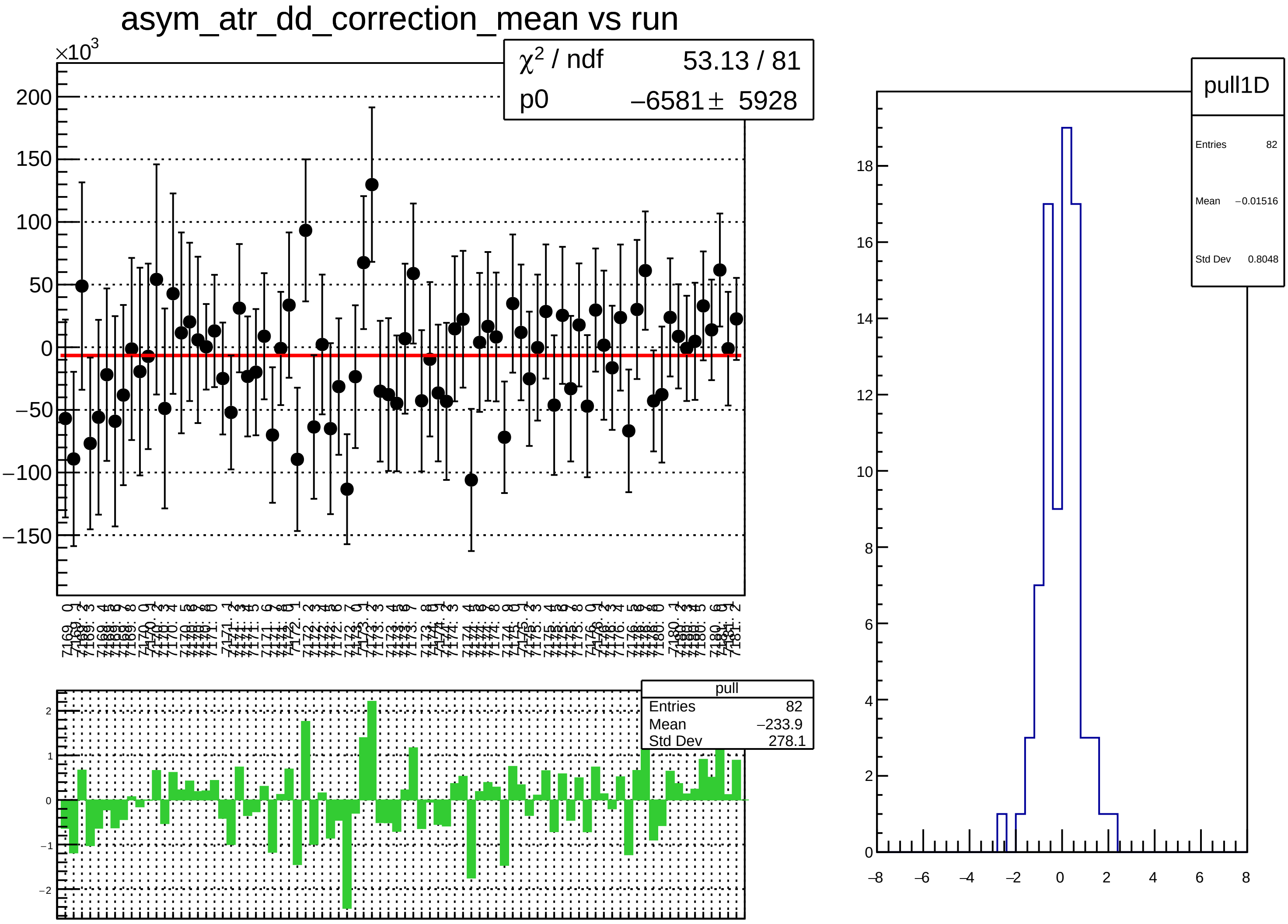
asym_atr_avg_mean vs run
$\times10^3$
χ^2 / ndf 52.71 / 81
p0 −4081 ± 6951
pull
Entries 82
Mean −155.2
Std Dev 195.1
pull1D
Entries 82
Mean −0.02733
Std Dev 0.8013


asym_atr_avg_rms vs run
χ² / ndf 4.032e+04 / 81
p0 6079 ± 4.915
10000
9000
8000
7000
6000
5000

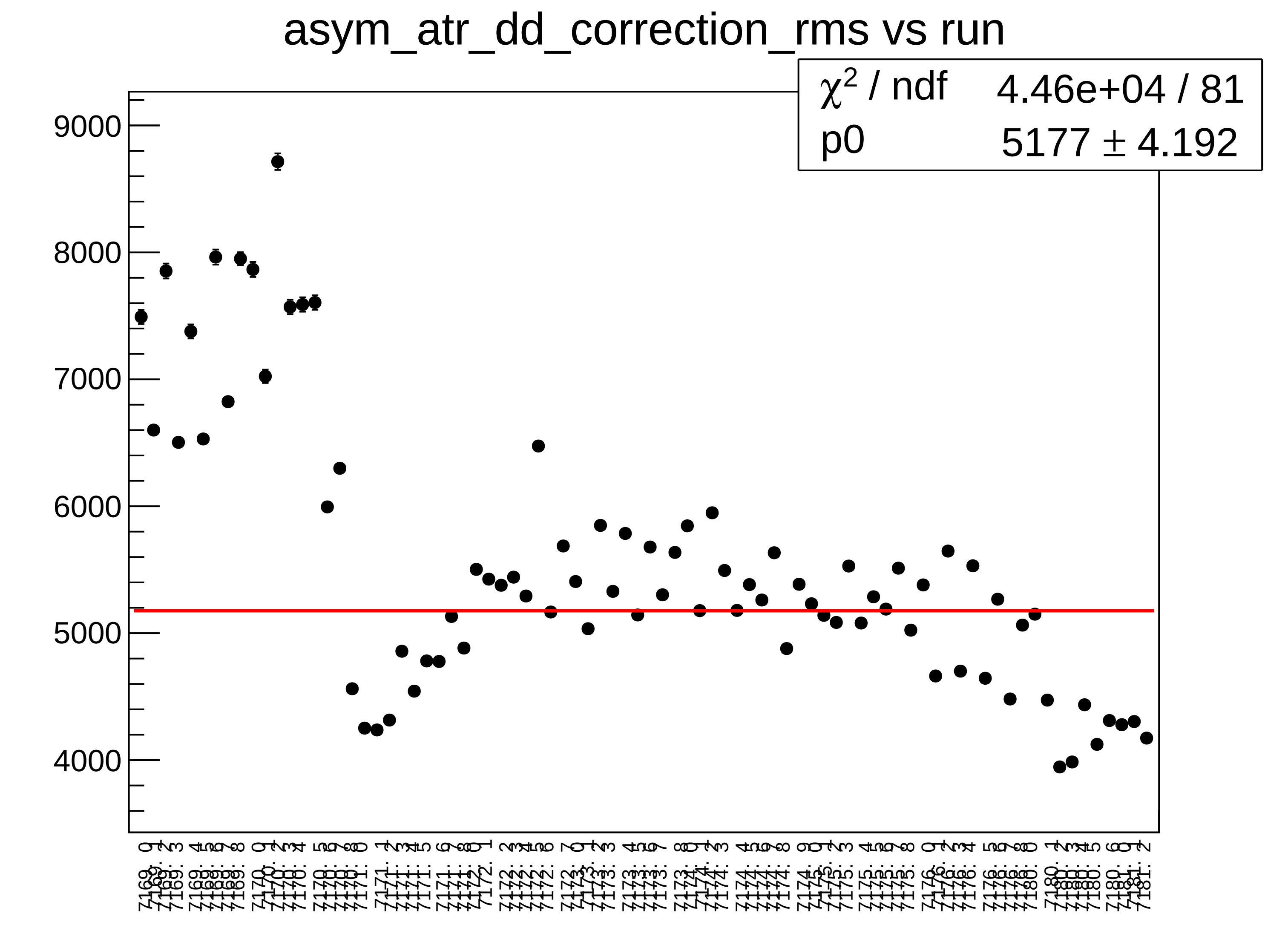


dit_asym_atr_dd_mean vs run
χ2 / ndf 100.9 / 81
p0 −2363 ± 2144
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −106.6
Std Dev 150.8
pull1D
Entries 82
Mean −0.01101
Std Dev 1.109

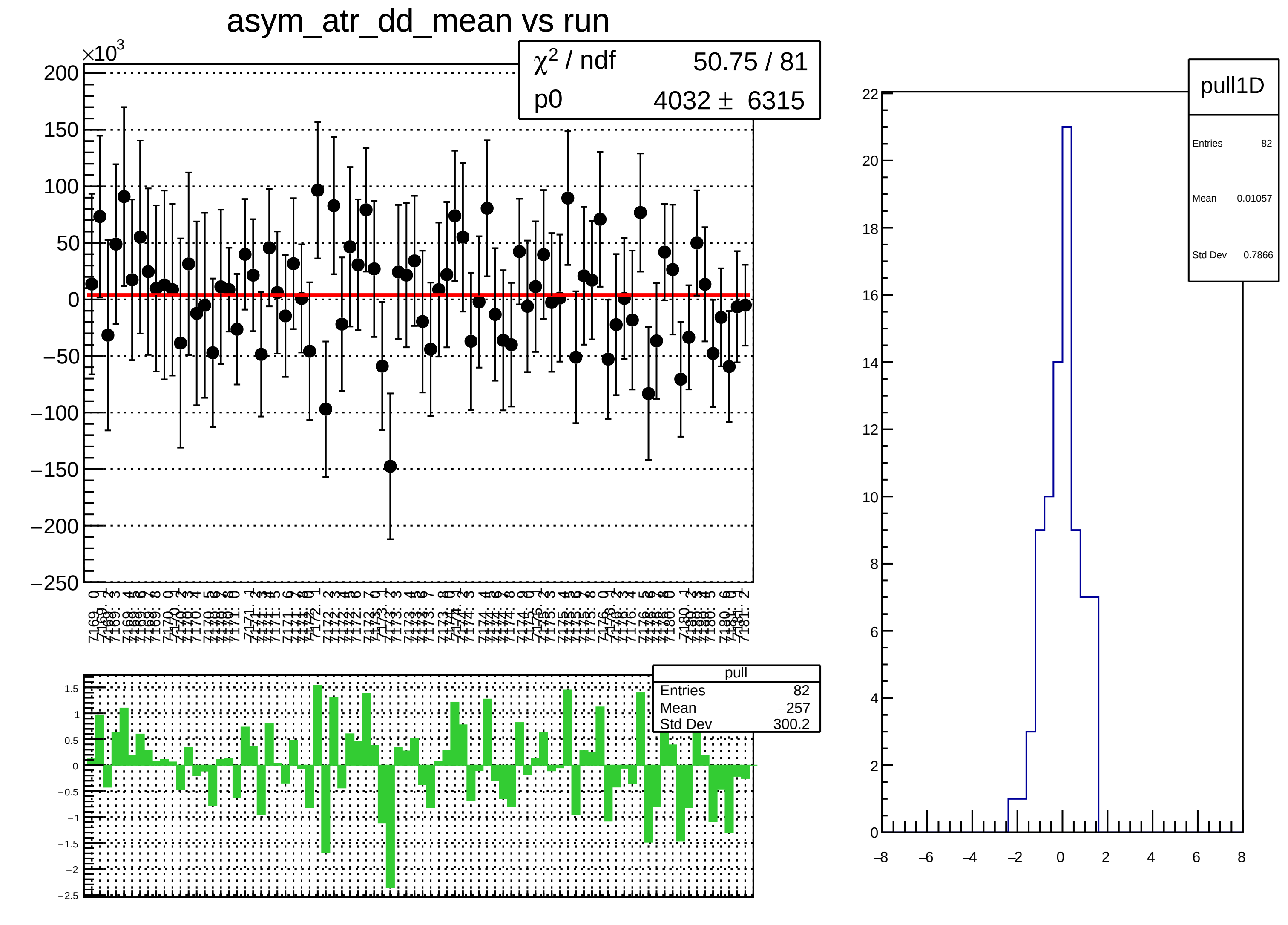

dit_asym_atr_dd_rms vs run
χ2 / ndf 1.059e+04 / 81
p0 1893 ± 1.516
4500
4000
3500
3000
2500
2000



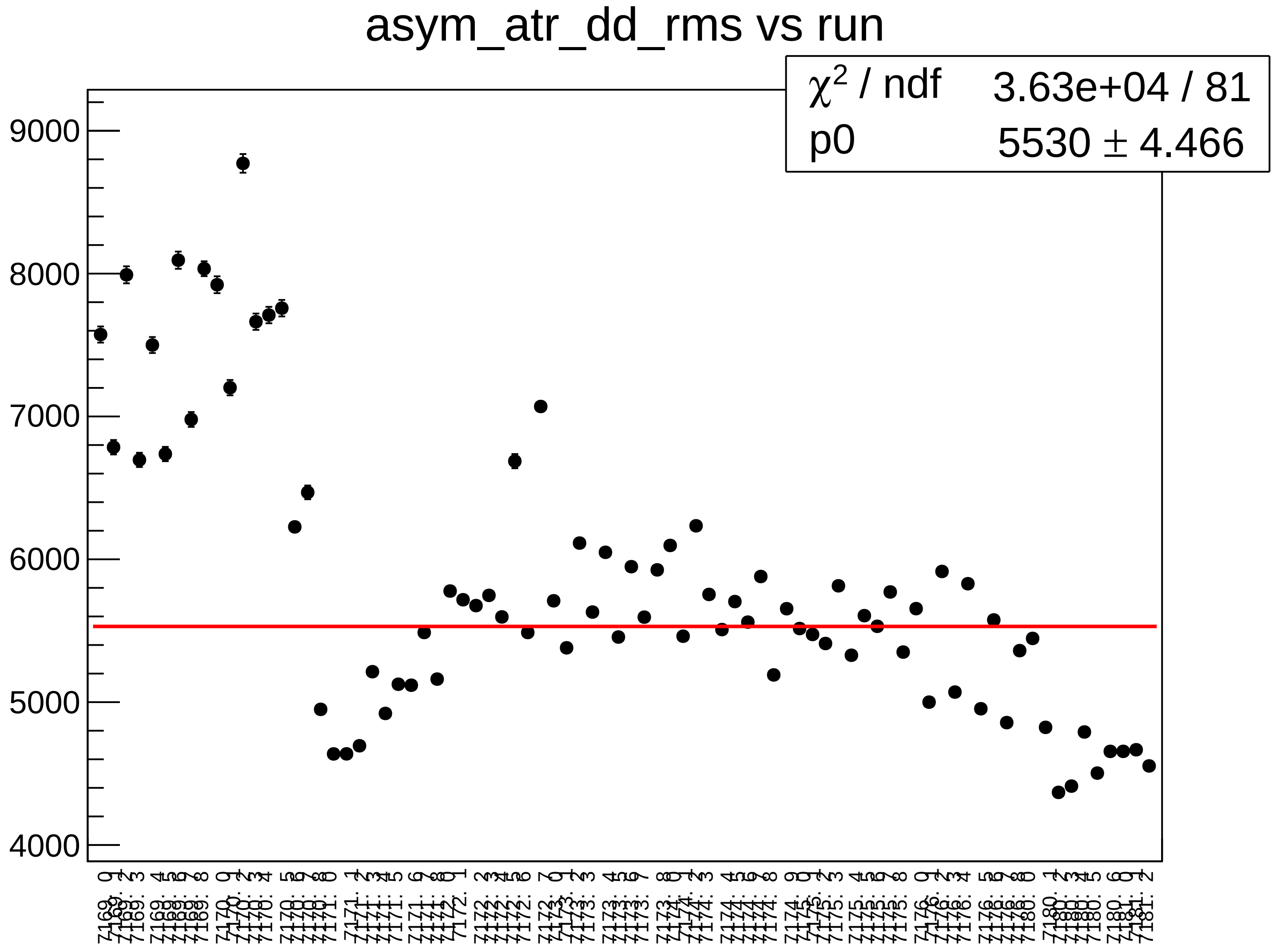
asym_atr_dd_correction_mean vs run
χ^2 / ndf 53.13 / 81
p0 −6581 ± 5928
×10^3
pull
Entries 82
Mean −233.9
Std Dev 278.1
pull1D
Entries 82
Mean −0.01516
Std Dev 0.8048



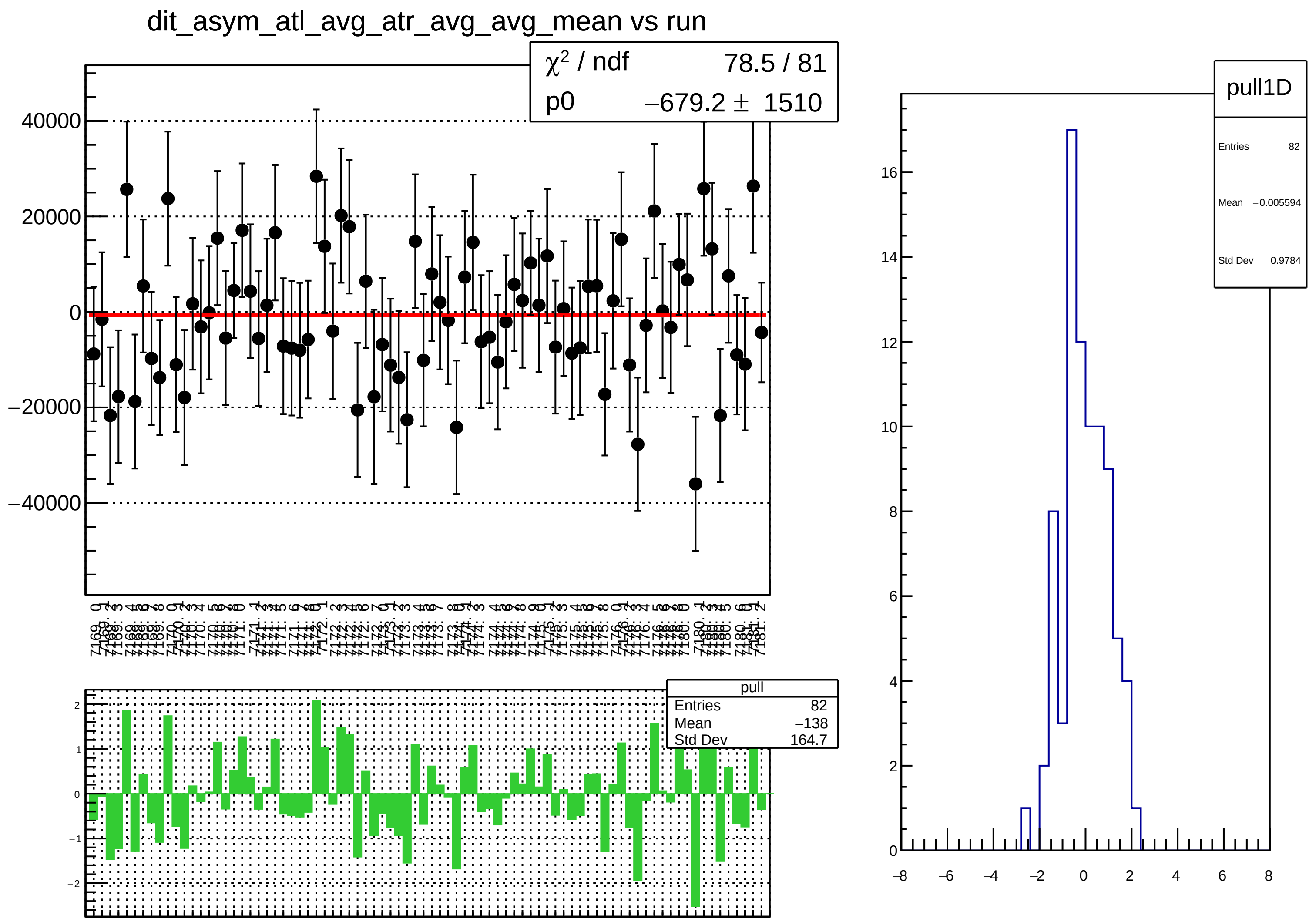
asym_atr_dd_correction_rms vs run
χ^2 / ndf 4.46e+04 / 81
p0 5177 ± 4.192
9000
8000
7000
6000
5000
4000



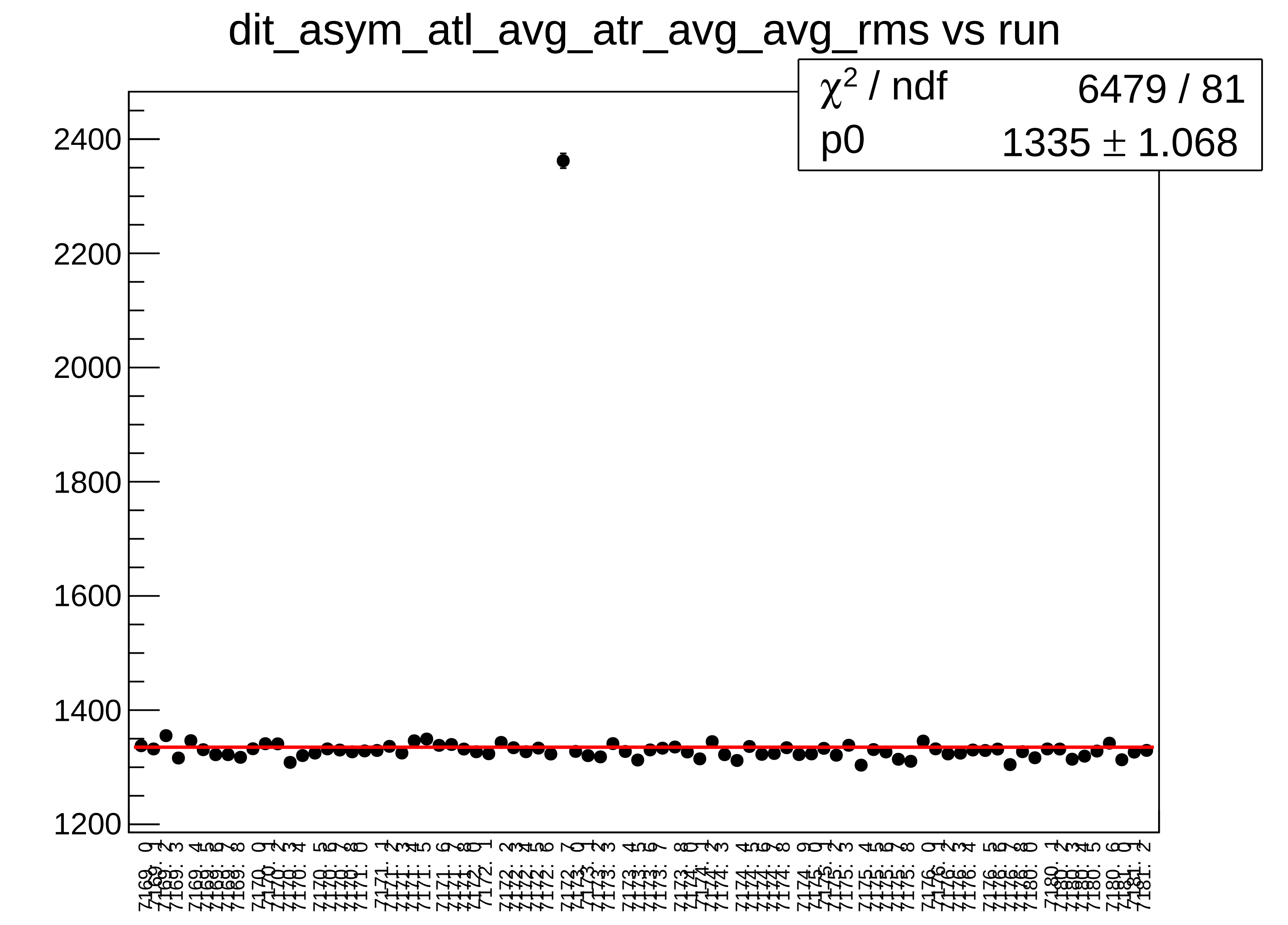
asym_atr_dd_mean vs run
χ^2 / ndf 50.75 / 81
p0 4032 ± 6315
pull
Entries 82
Mean −257
Std Dev 300.2
pull1D
Entries 82
Mean 0.01057
Std Dev 0.7866

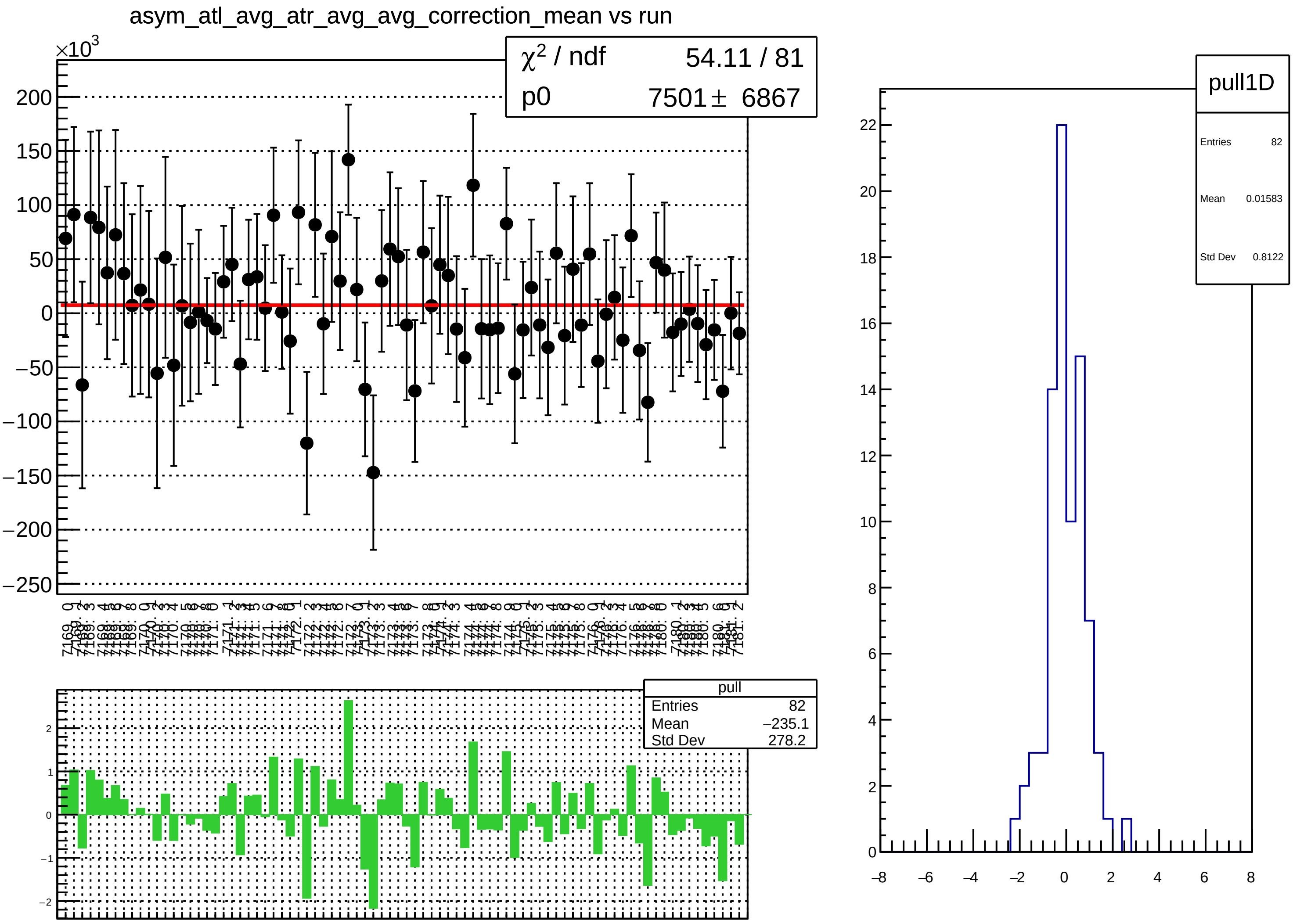


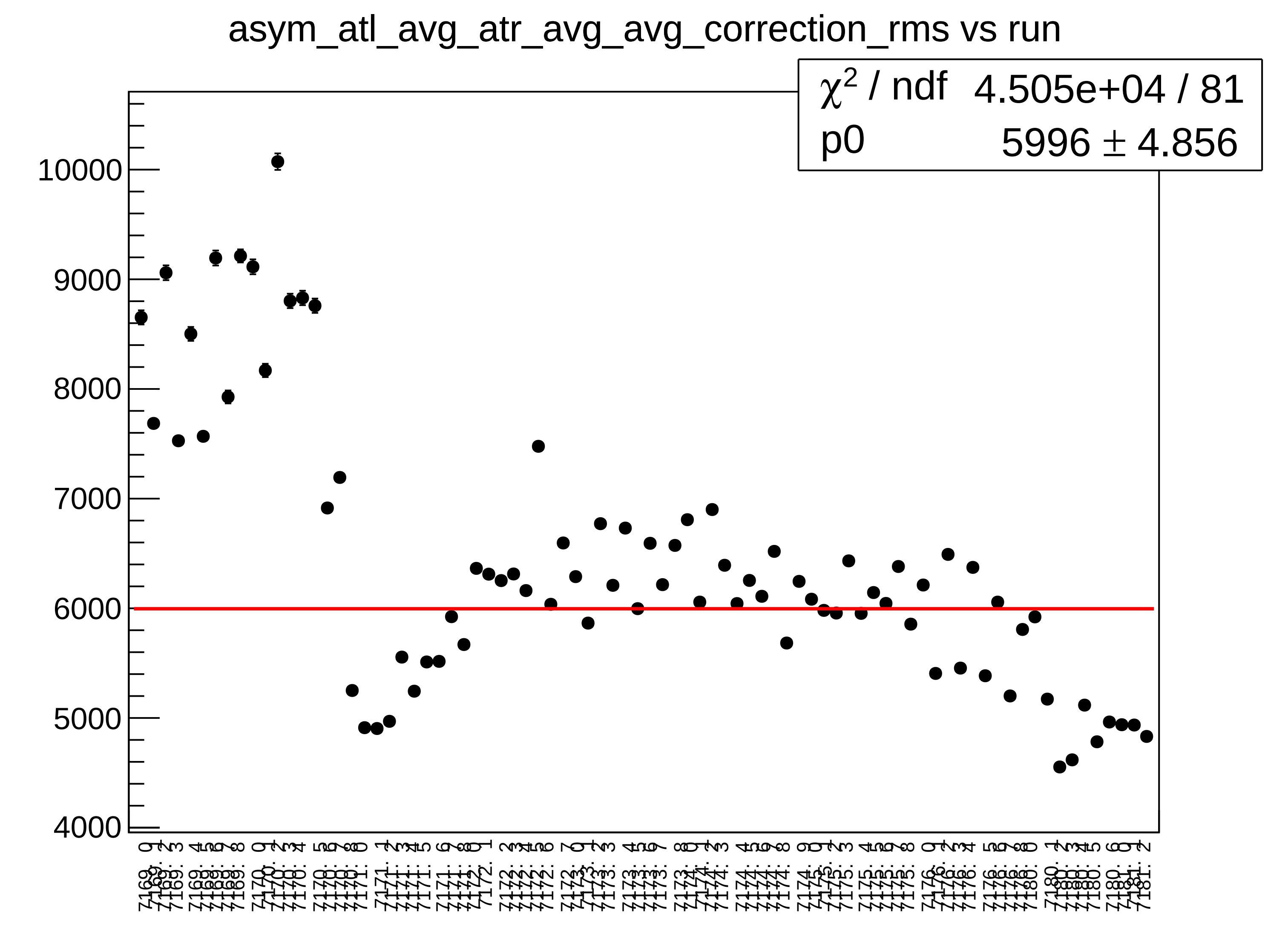
asym_atr_dd_rms vs run
χ2 / ndf 3.63e+04 / 81
p0 5530 ± 4.466
9000
8000
7000
6000
5000
4000



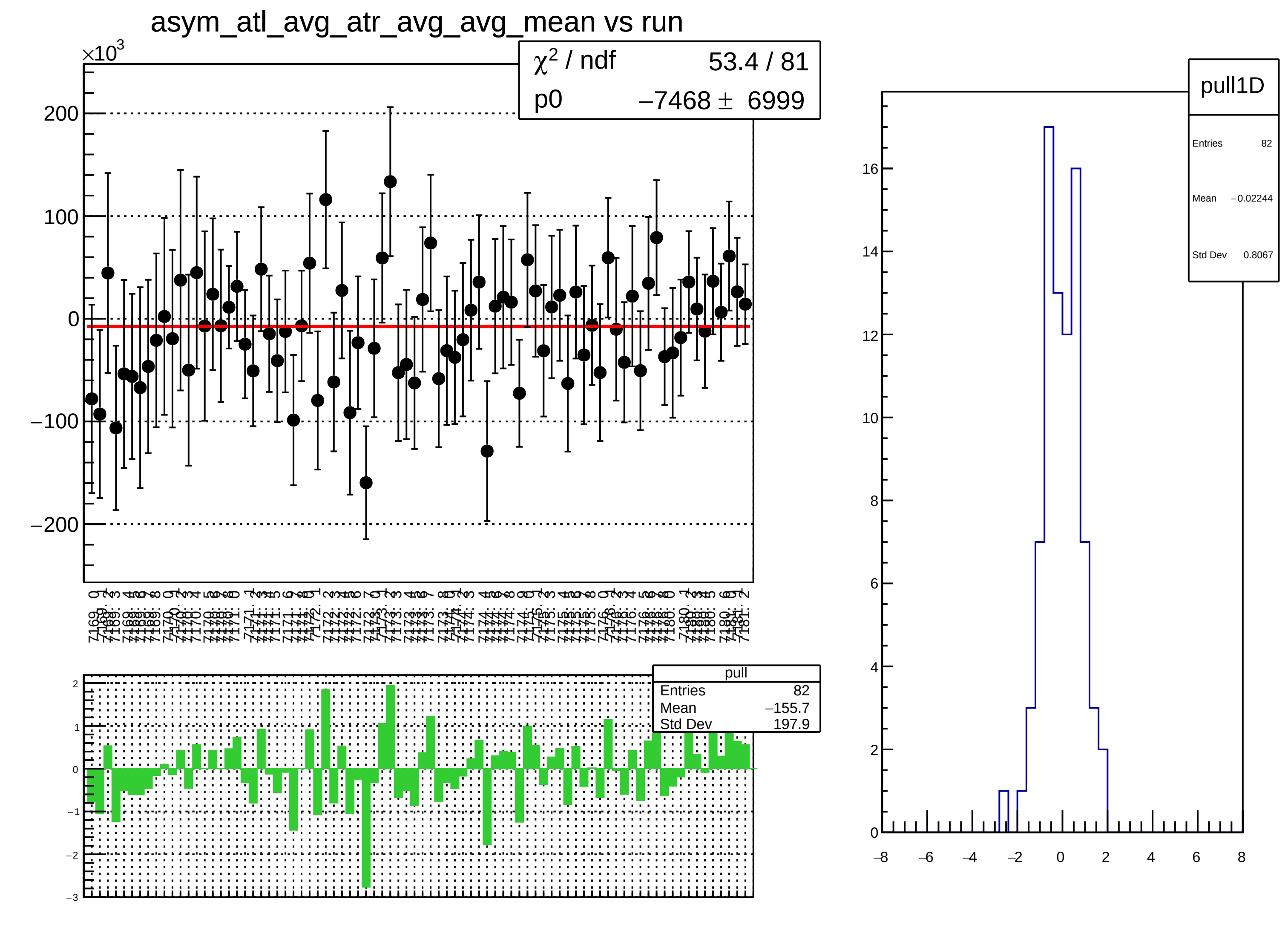
dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 78.5 / 81
p0 −679.2 ± 1510
pull
Entries 82
Mean −138
Std Dev 164.7
pull1D
Entries 82
Mean −0.005594
Std Dev 0.9784


dit_asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 6479 / 81
p0 1335 ± 1.068
2400
2200
2000
1800
1600
1400
1200

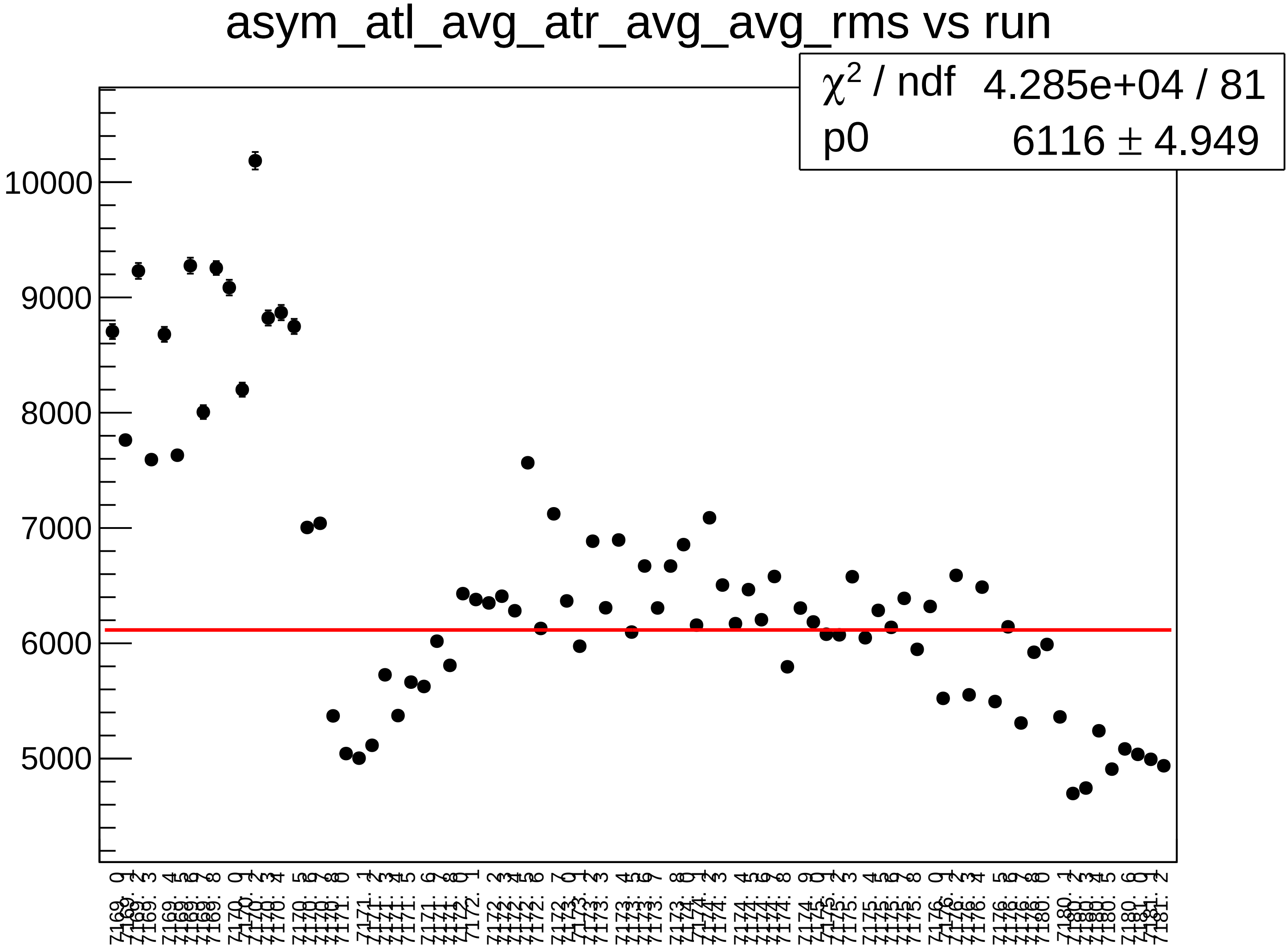

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 54.11 / 81
p0 7501 ± 6867
pull
Entries 82
Mean −235.1
Std Dev 278.2
pull1D
Entries 82
Mean 0.01583
Std Dev 0.8122



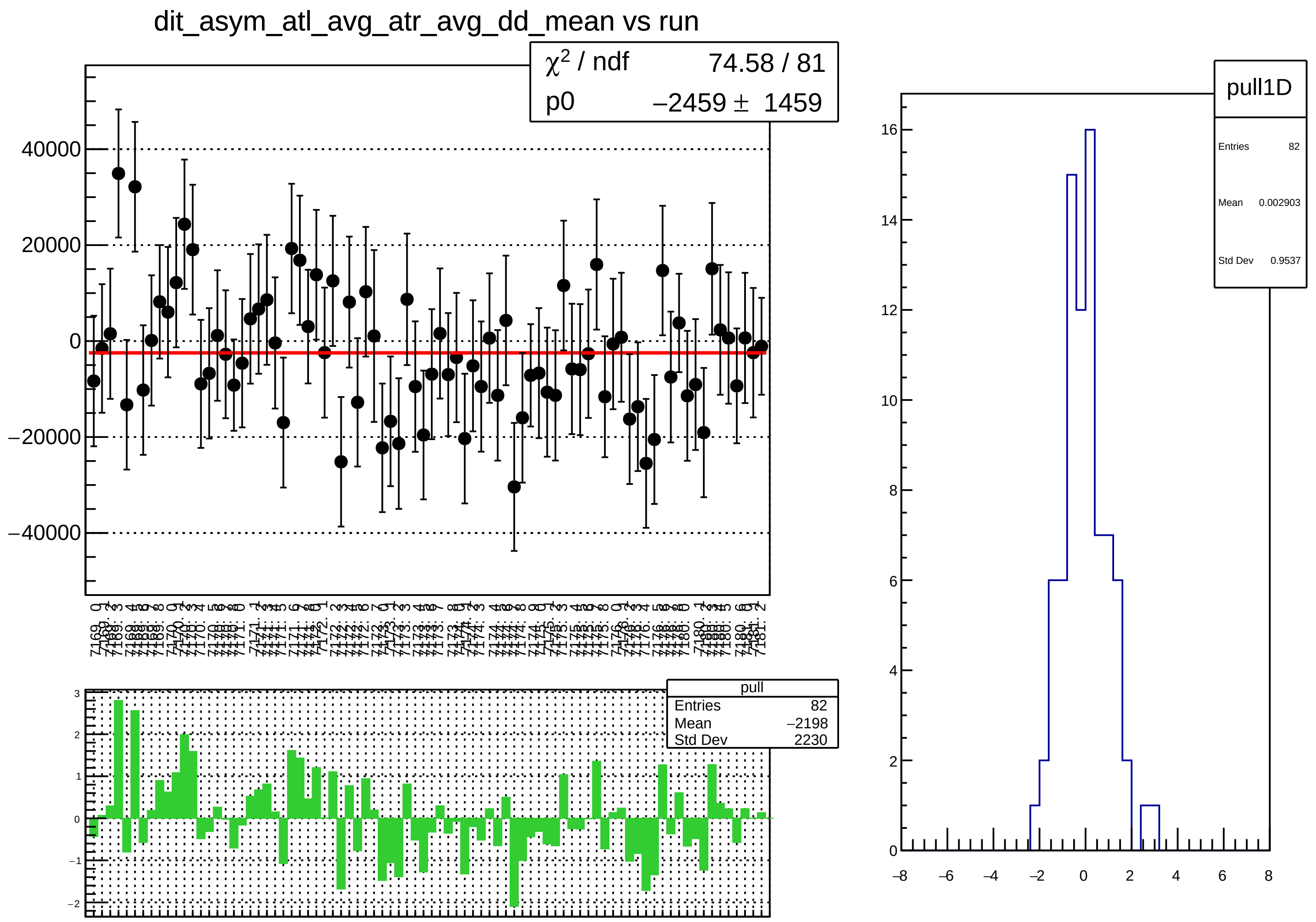
asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 4.505e+04 / 81
p0 5996 ± 4.856
10000
9000
8000
7000
6000
5000
4000



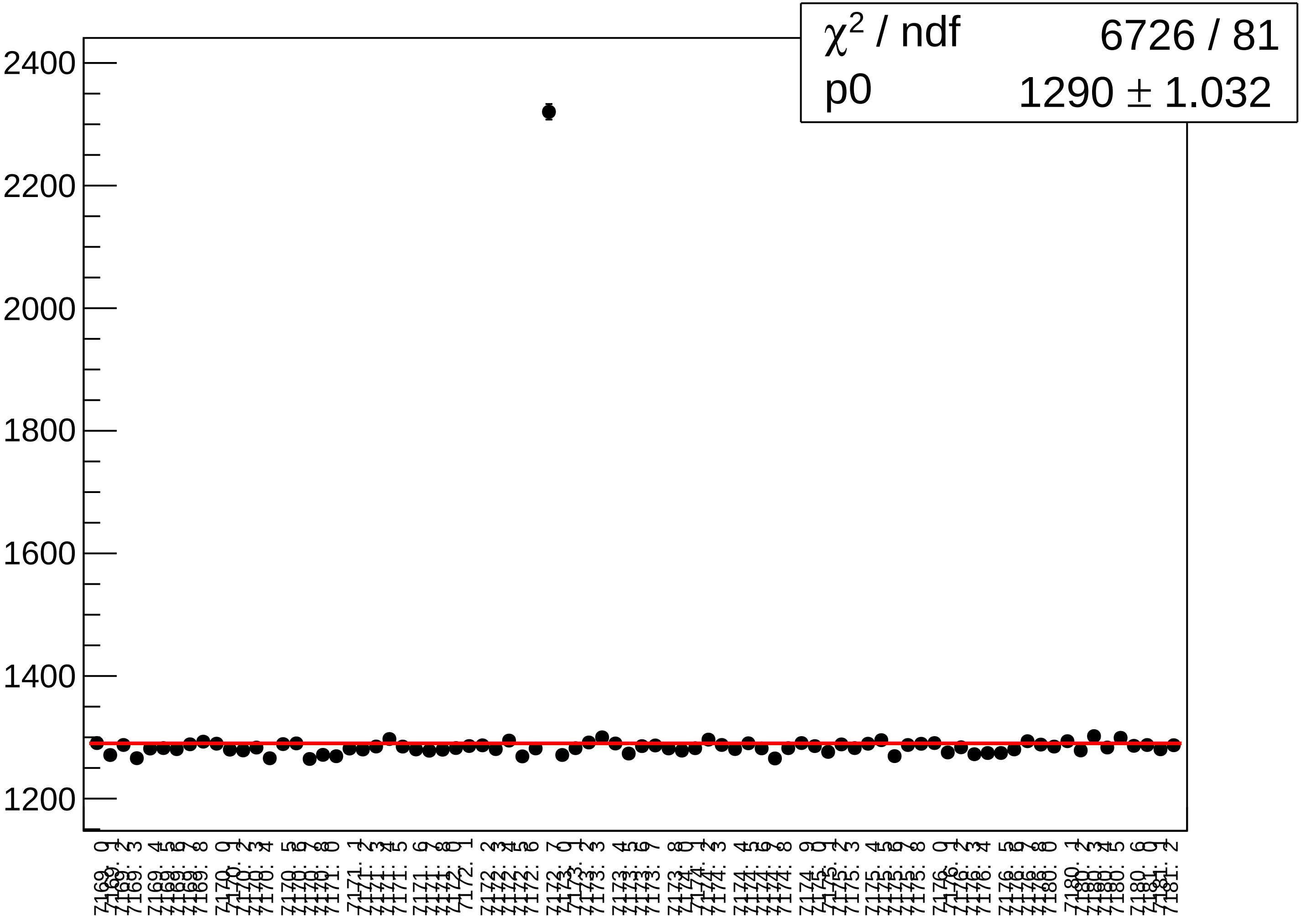
asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 53.4 / 81
p0 −7468 ± 6999
200
100
0
−100
−200
pull
Entries 82
Mean −155.7
Std Dev 197.9
pull1D
Entries 82
Mean −0.02244
Std Dev 0.8067

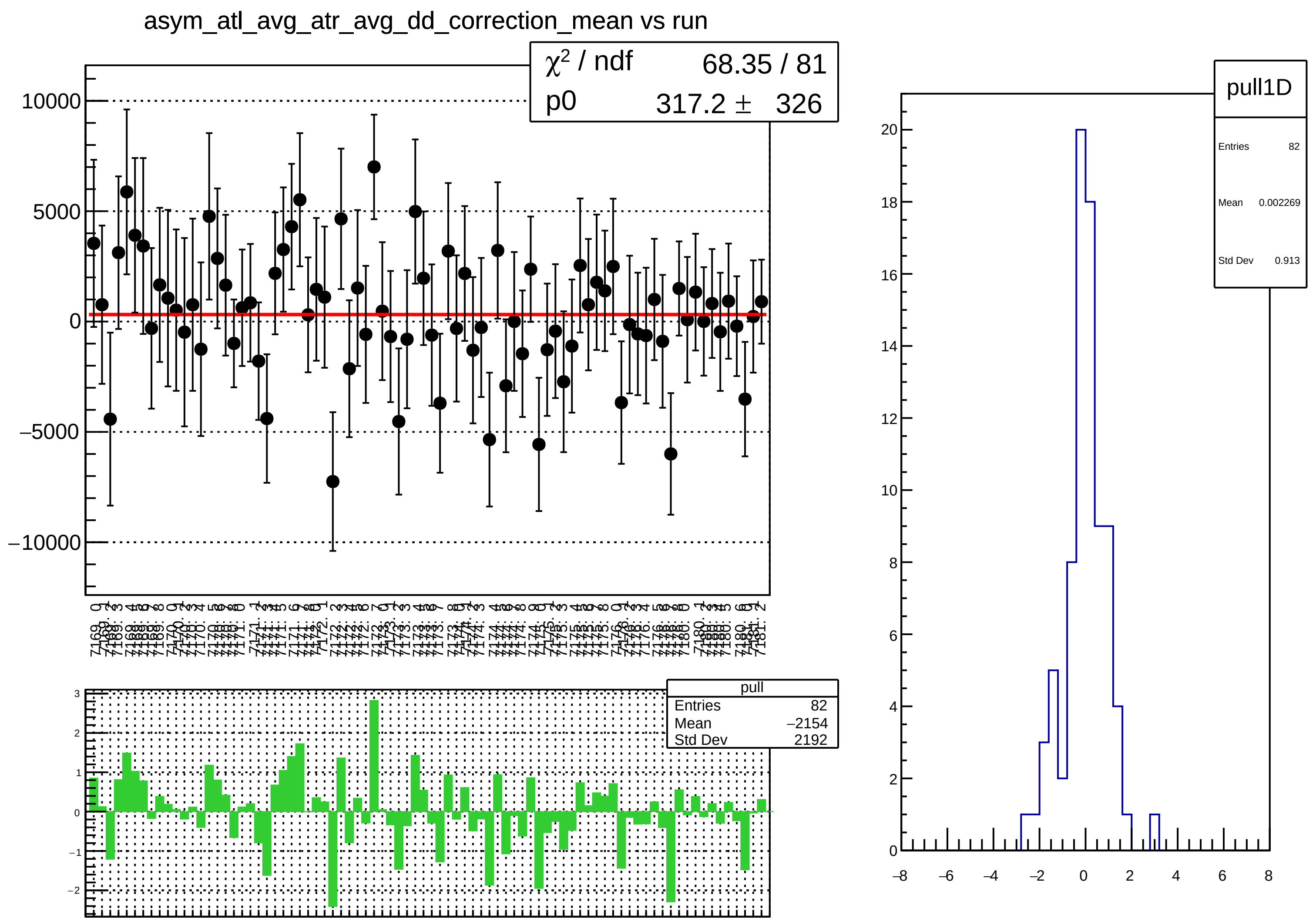


asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 4.285e+04 / 81
p0 6116 ± 4.949
10000
9000
8000
7000
6000
5000

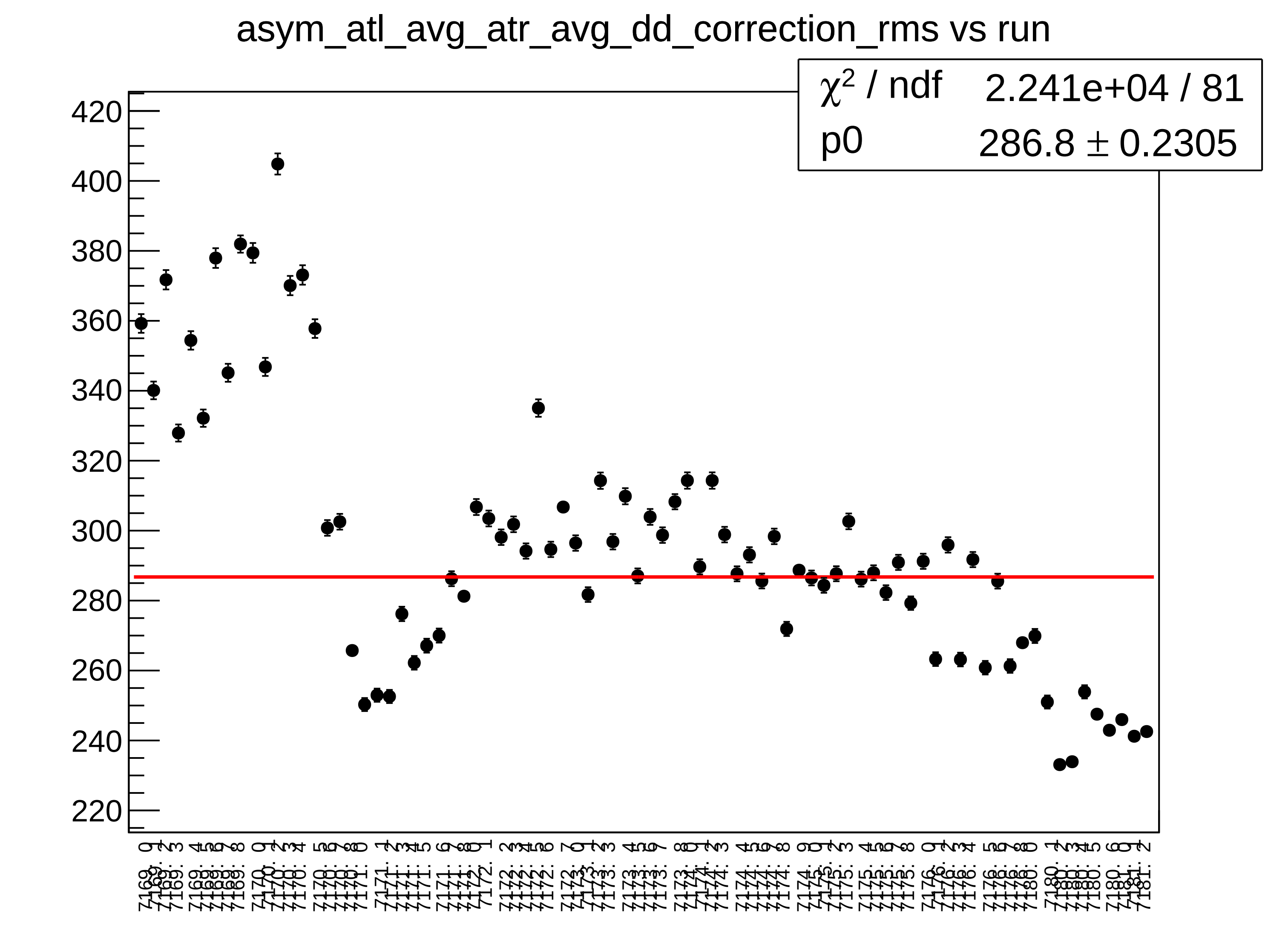

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 74.58 / 81
p0 −2459 ± 1459
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −2198
Std Dev 2230
pull1D
Entries 82
Mean 0.002903
Std Dev 0.9537

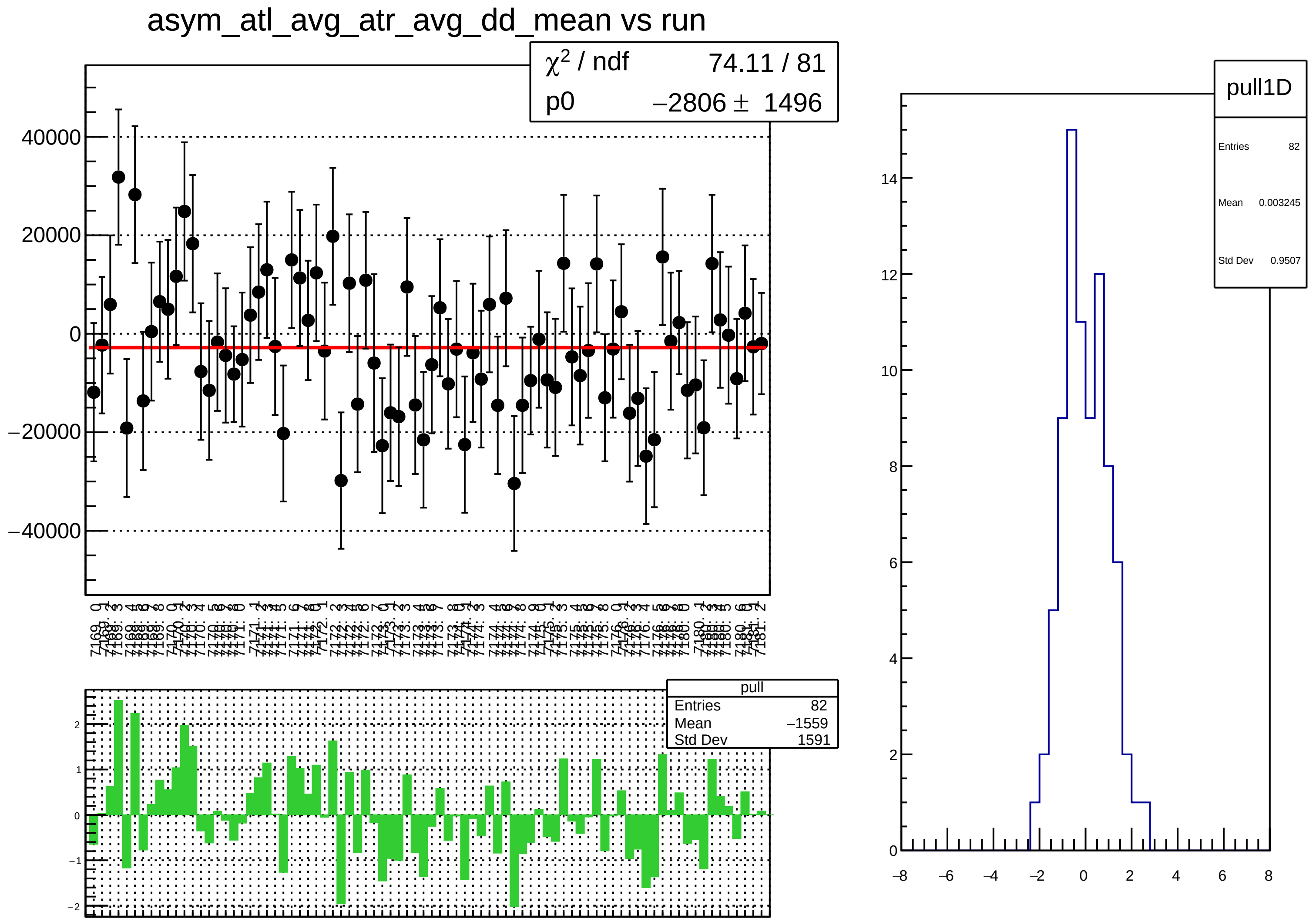
dit_asym_atl_avg_atr_avg_dd_rms vs run

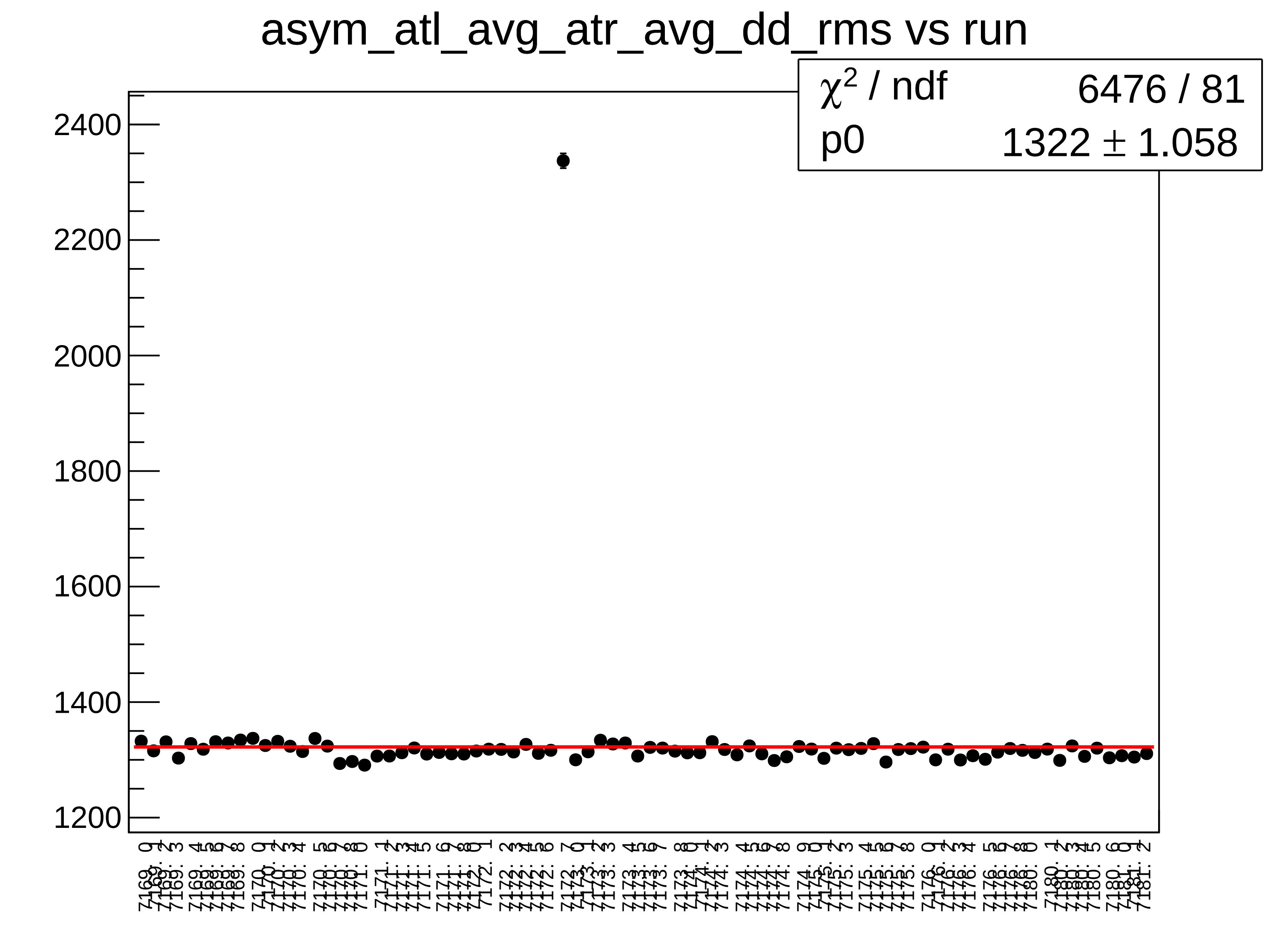




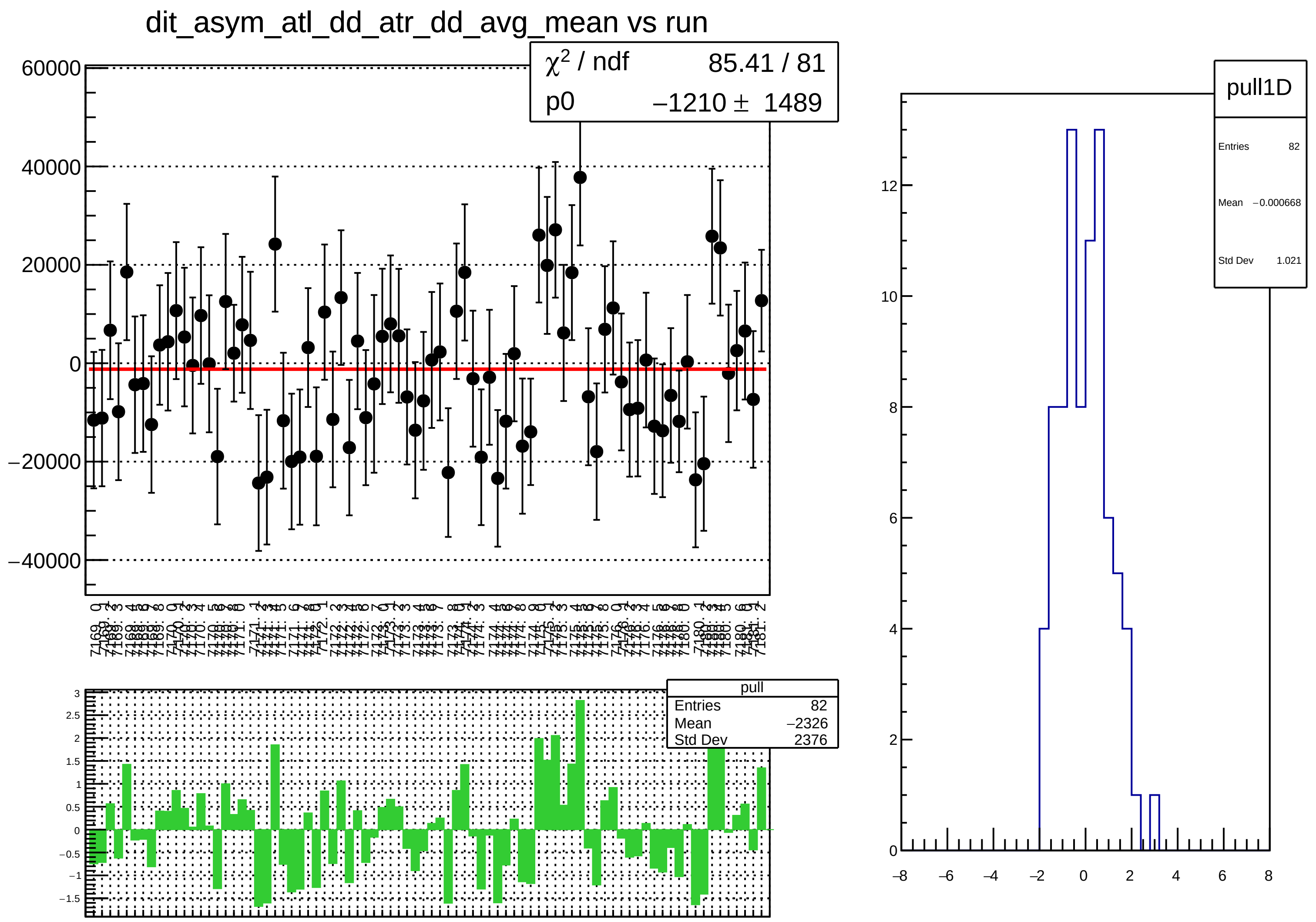
asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 68.35 / 81
p0 317.2 ± 326
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −2154
Std Dev 2192
pull1D
Entries 82
Mean 0.002269
Std Dev 0.913


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 2.241e+04 / 81
p0 286.8 ± 0.2305
420
400
380
360
340
320
300
280
260
240
220

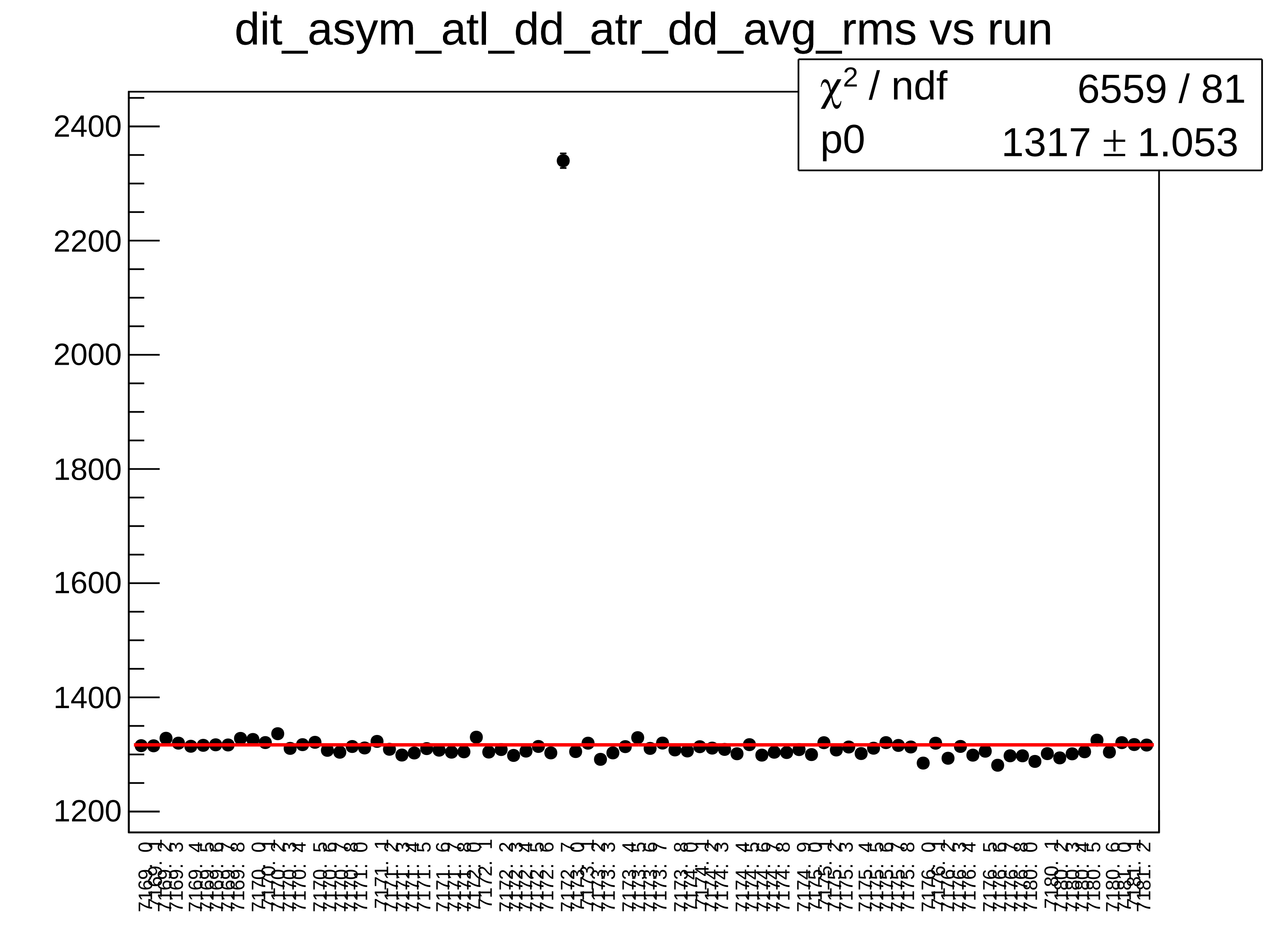

asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 74.11 / 81
p0 −2806 ± 1496
pull
Entries 82
Mean −1559
Std Dev 1591
pull1D
Entries 82
Mean 0.003245
Std Dev 0.9507



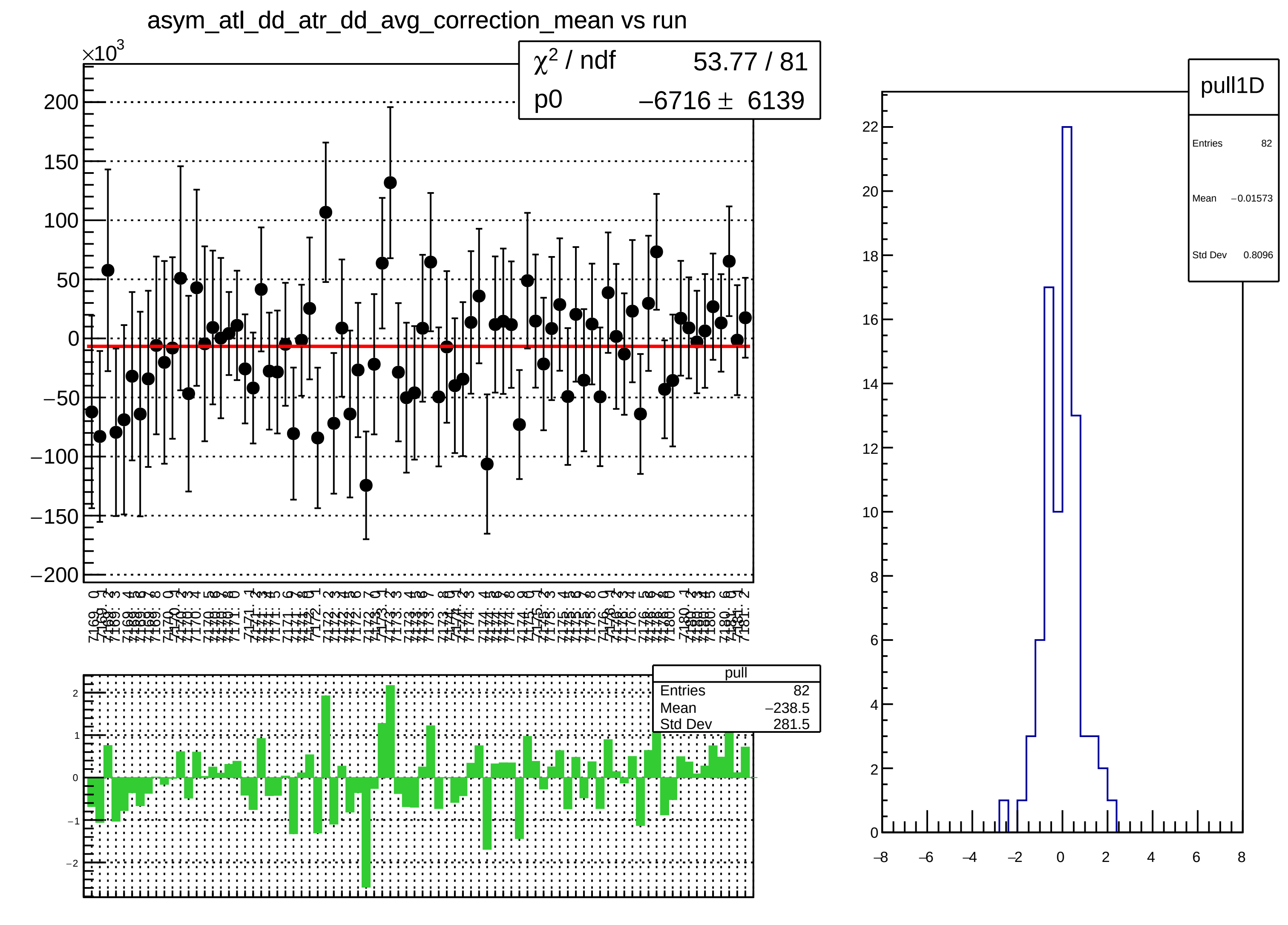
asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6476 / 81
p0 1322 ± 1.058
2400
2200
2000
1800
1600
1400
1200



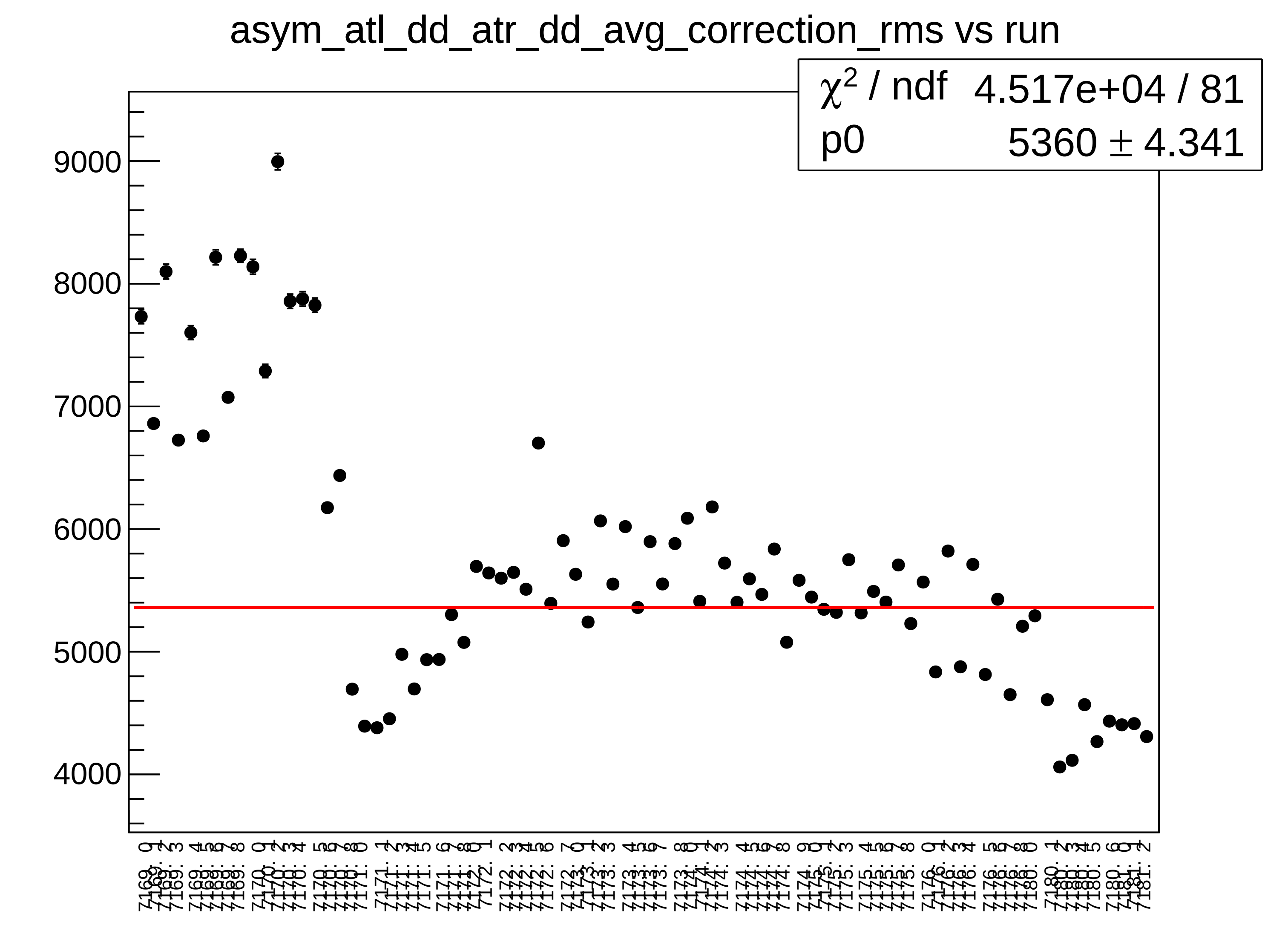
dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 85.41 / 81
p0 −1210 ± 1489
pull
Entries 82
Mean −2326
Std Dev 2376
pull1D
Entries 82
Mean −0.000668
Std Dev 1.021



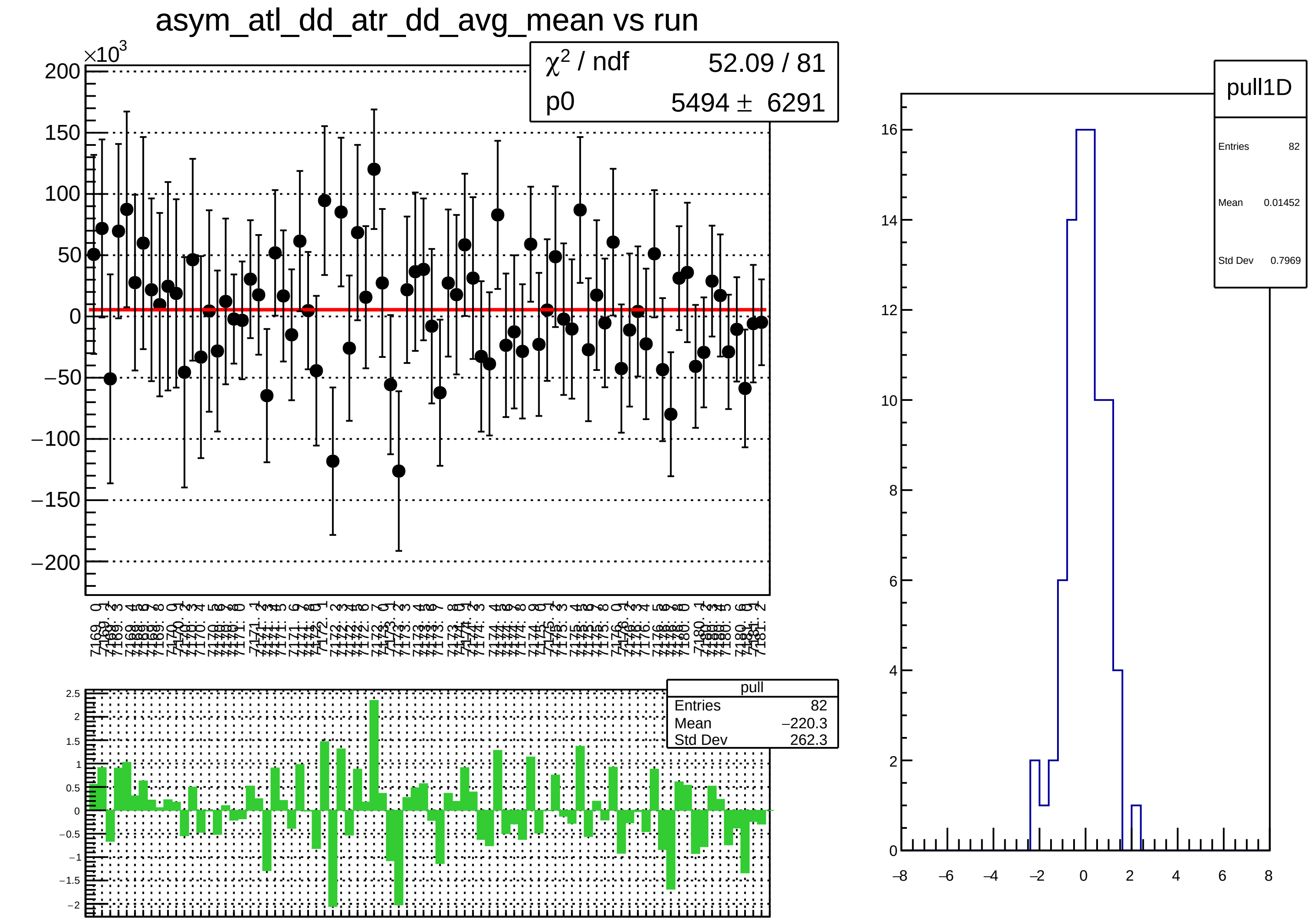
dit_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 6559 / 81
p0 1317 ± 1.053
2400
2200
2000
1800
1600
1400
1200



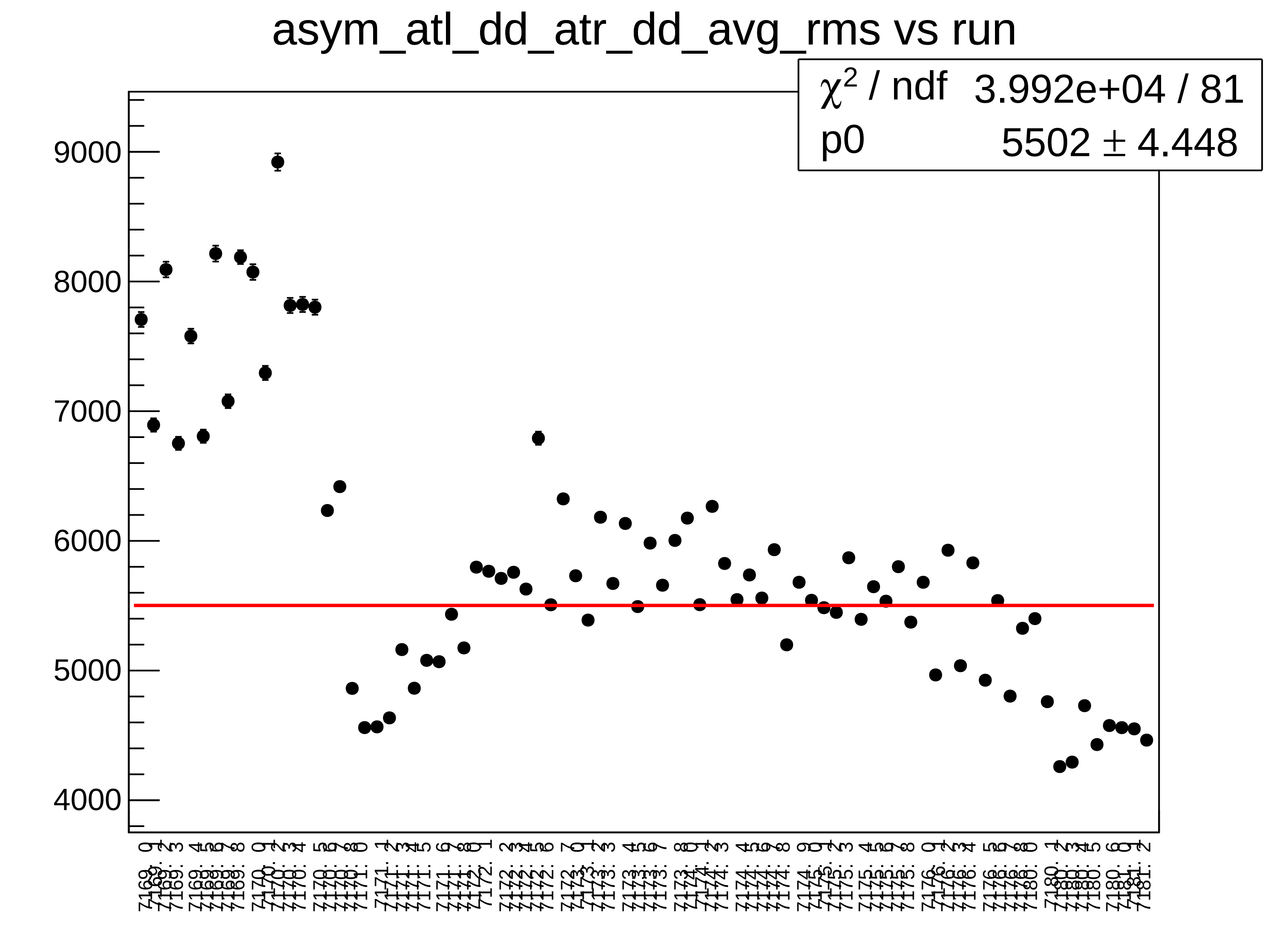
asym_atl_dd_atr_dd_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 53.77 / 81
p0 −6716 ± 6139
pull
Entries 82
Mean −238.5
Std Dev 281.5
pull1D
Entries 82
Mean −0.01573
Std Dev 0.8096

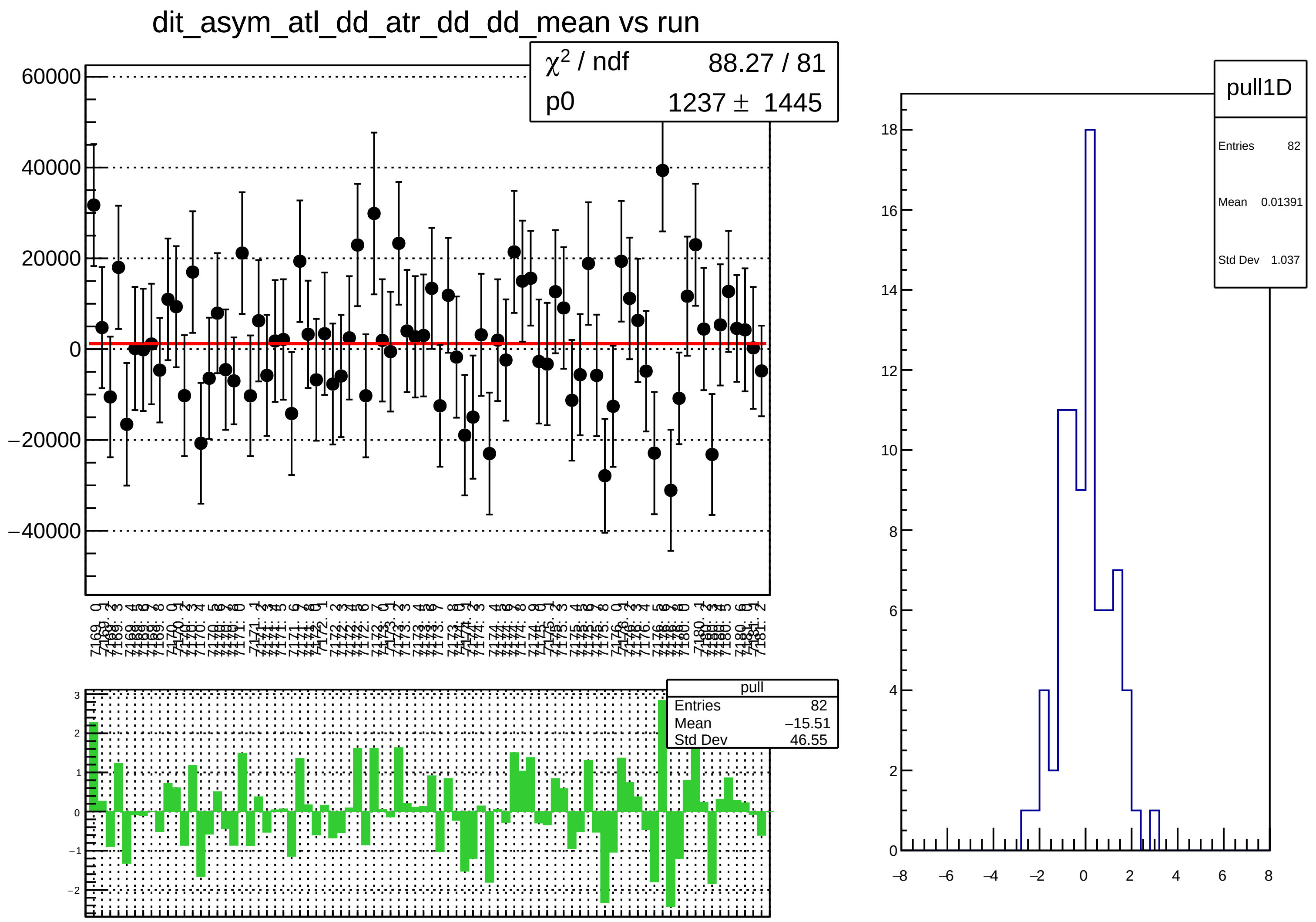


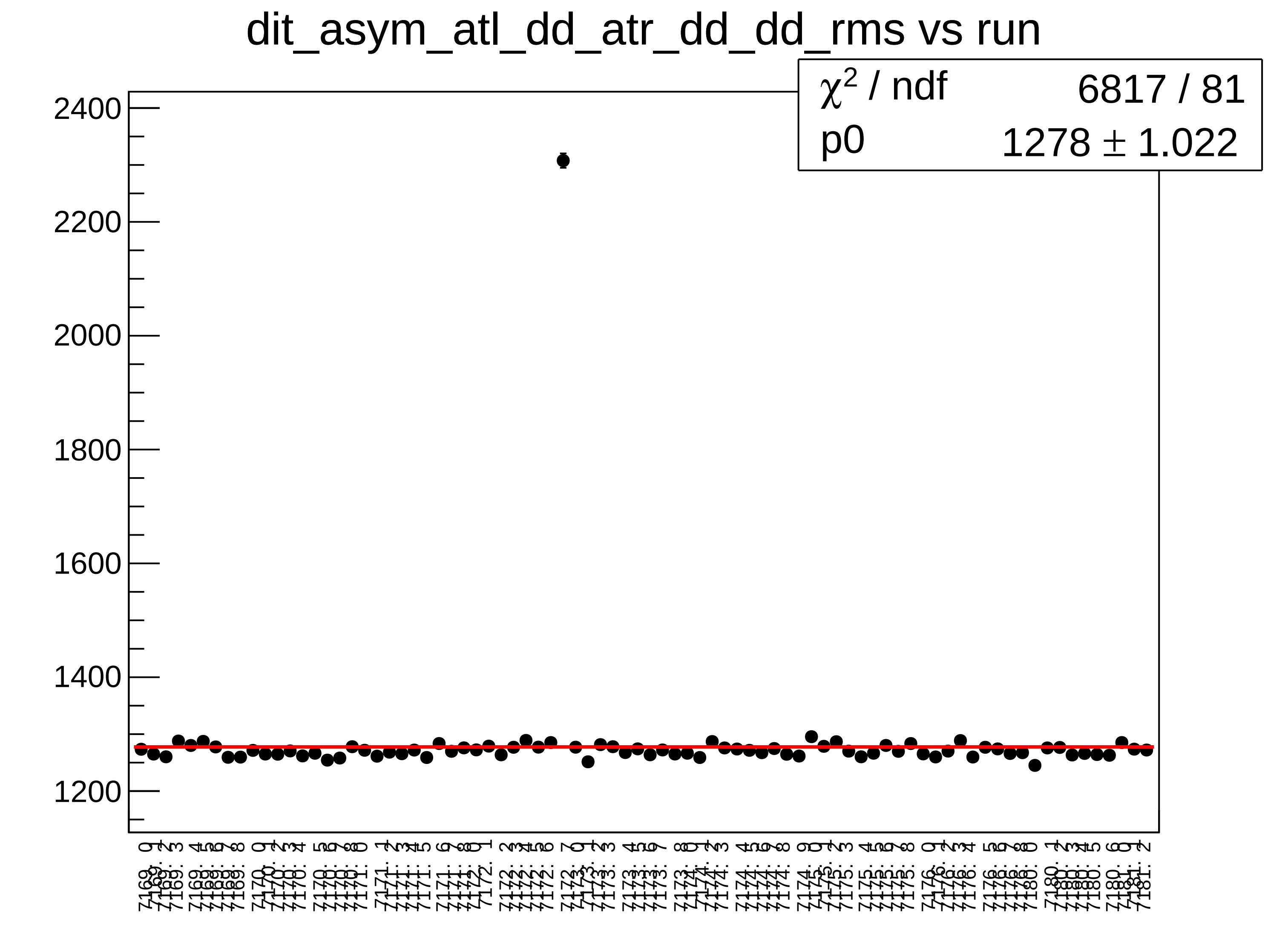
asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 4.517e+04 / 81
p0 5360 ± 4.341
9000
8000
7000
6000
5000
4000



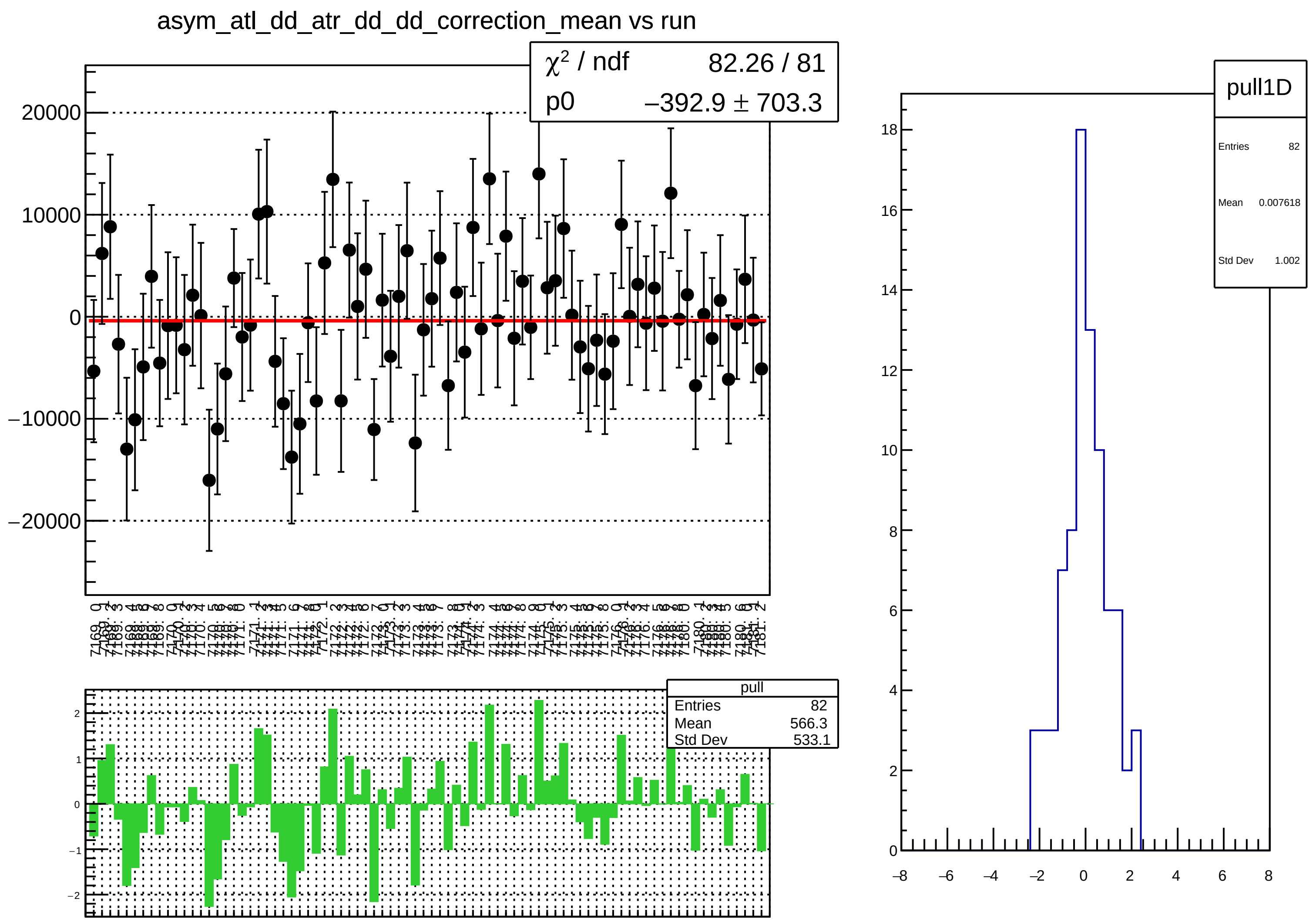
asym_atl_dd_atr_dd_avg_mean vs run
$\times 10^3$
χ^2 / ndf 52.09 / 81
p0 5494 ± 6291
pull
Entries 82
Mean −220.3
Std Dev 262.3
pull1D
Entries 82
Mean 0.01452
Std Dev 0.7969

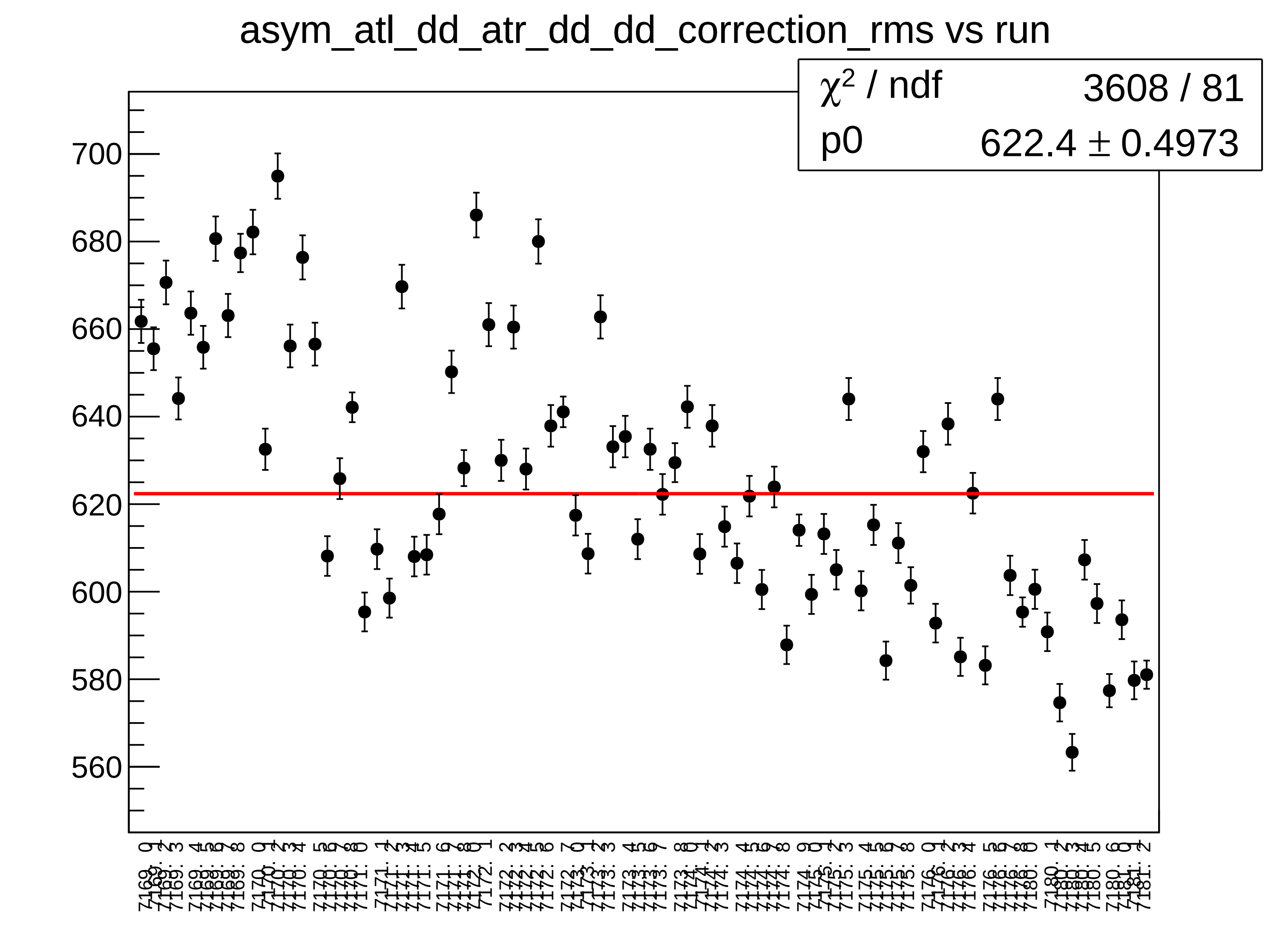

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3.992e+04 / 81
p0 5502 ± 4.448
9000
8000
7000
6000
5000
4000

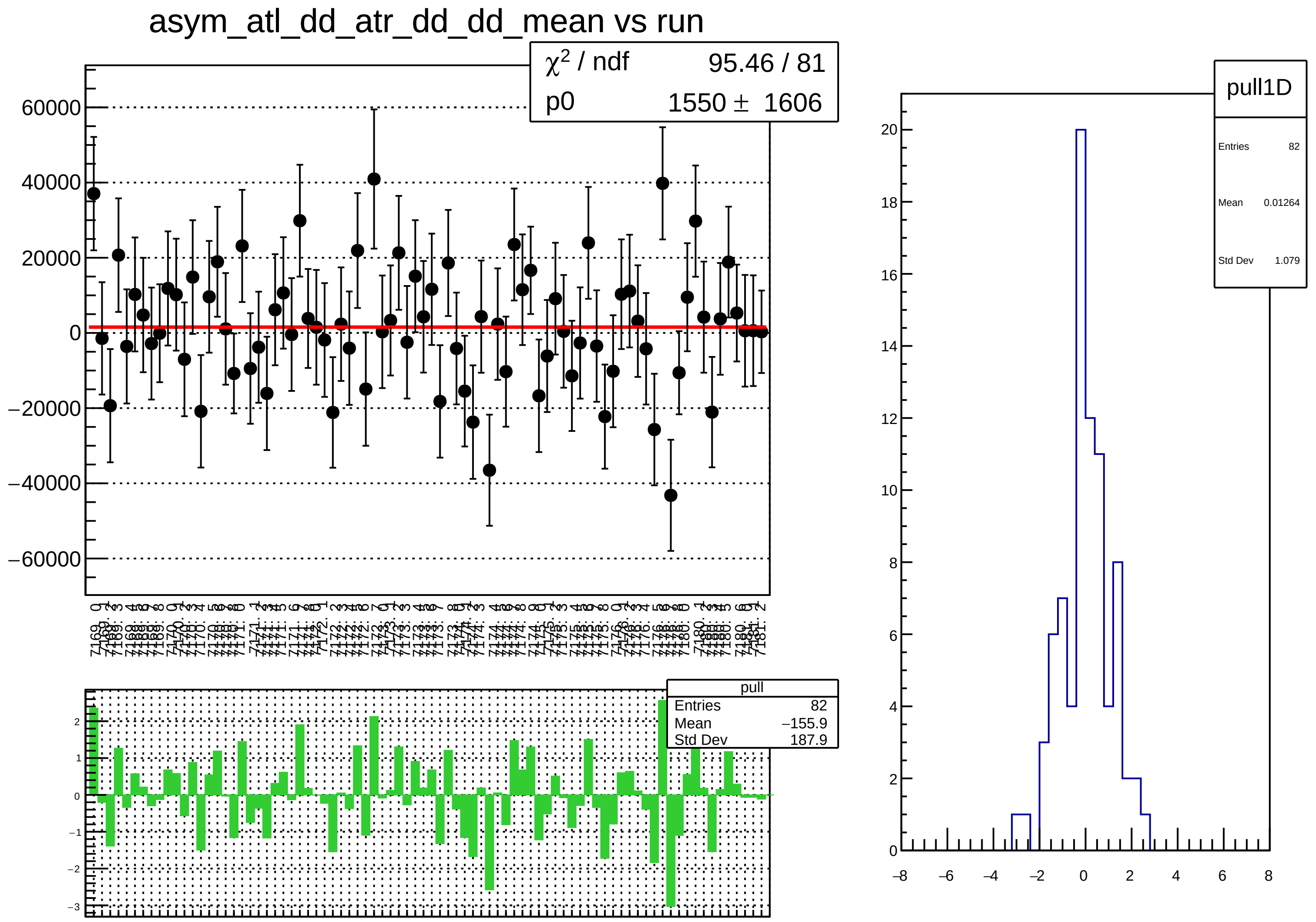

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 88.27 / 81
p0 1237 ± 1445
pull
Entries 82
Mean −15.51
Std Dev 46.55
pull1D
Entries 82
Mean 0.01391
Std Dev 1.037



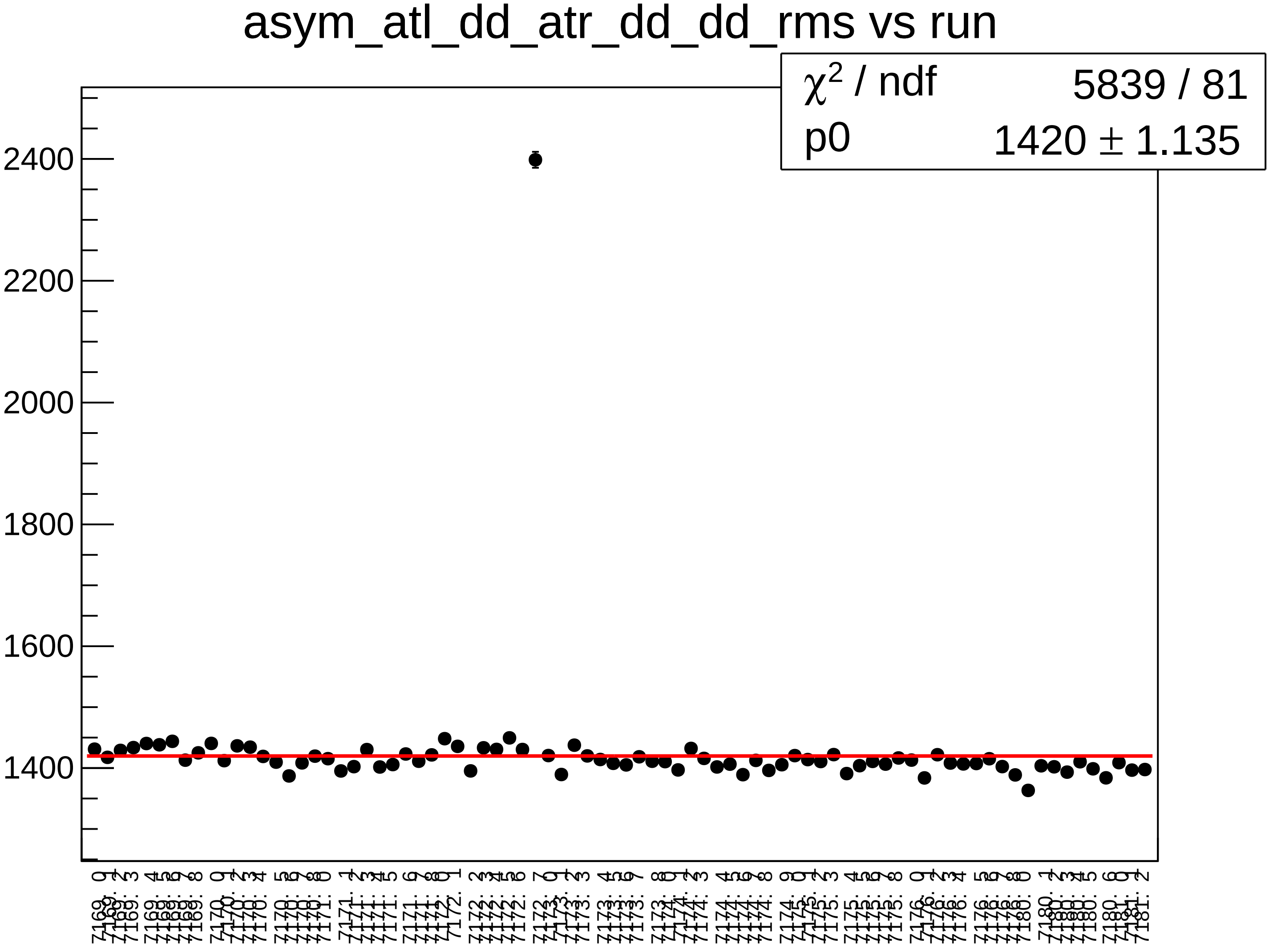
dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 6817 / 81
p0 1278 ± 1.022
2400
2200
2000
1800
1600
1400
1200


asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 82.26 / 81
p0 −392.9 ± 703.3
pull
Entries 82
Mean 566.3
Std Dev 533.1
pull1D
Entries 82
Mean 0.007618
Std Dev 1.002

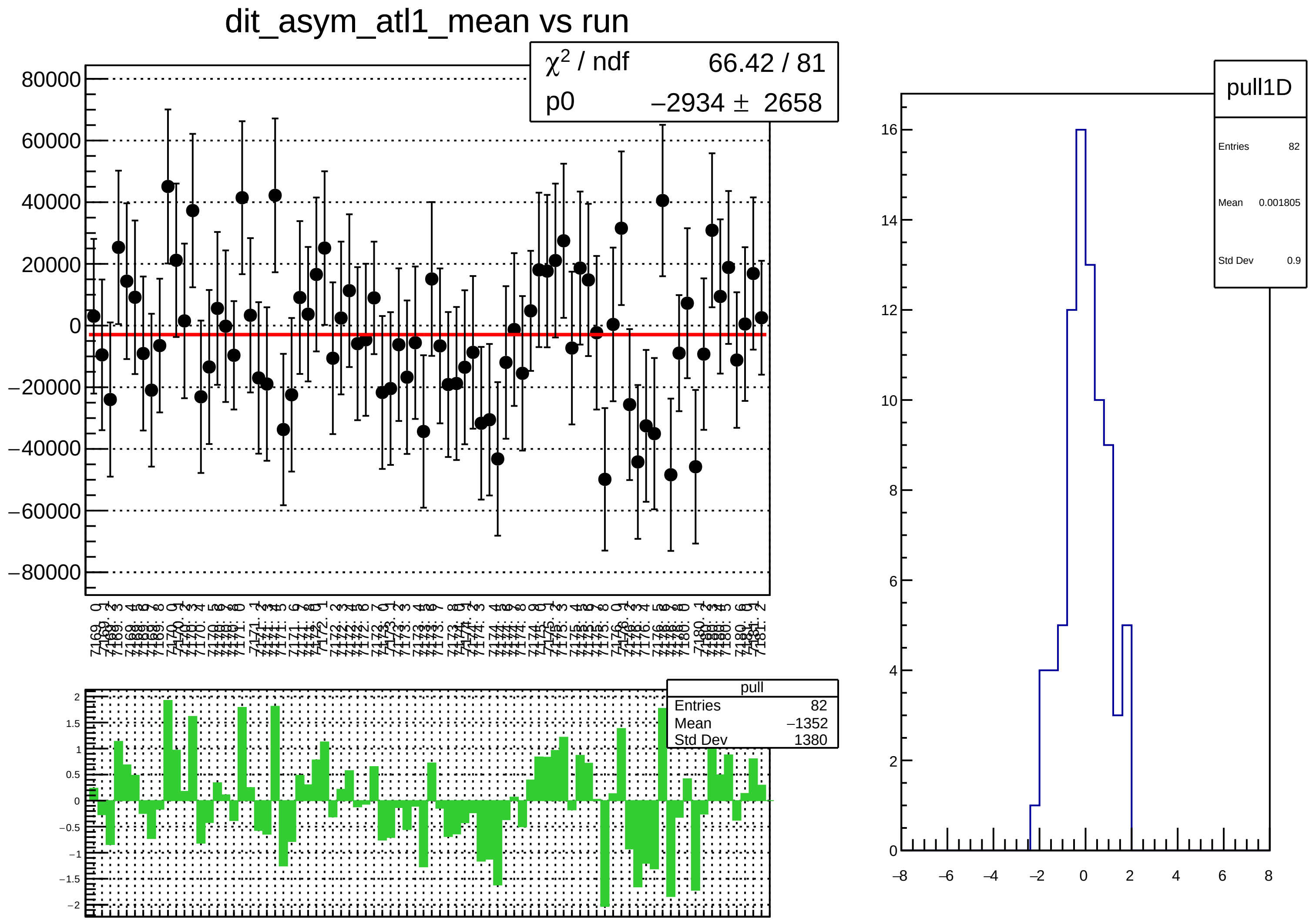

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 3608 / 81
p0 622.4 ± 0.4973
700
680
660
640
620
600
580
560



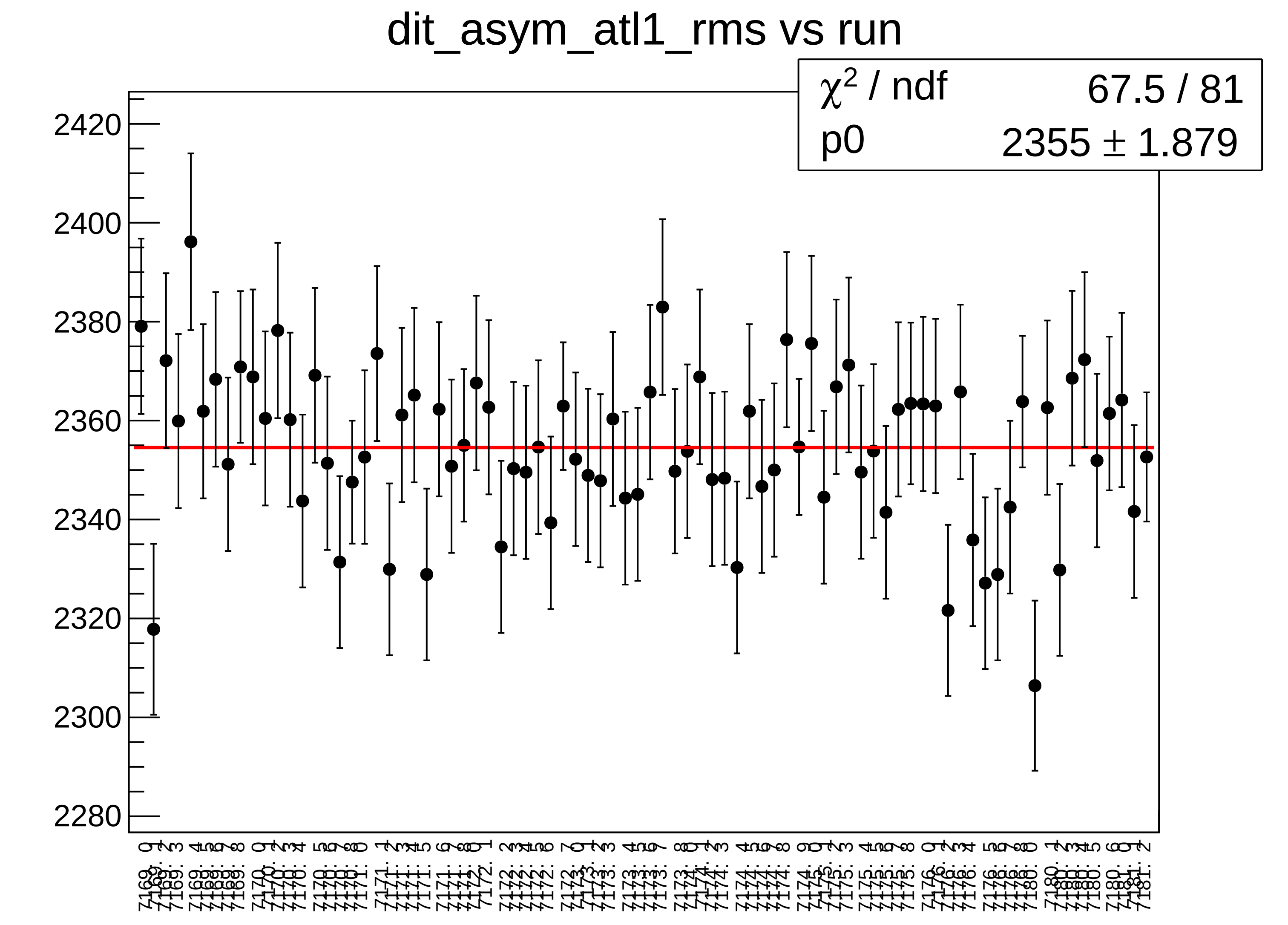
asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 95.46 / 81
p0 1550 ± 1606
pull
Entries 82
Mean −155.9
Std Dev 187.9
pull1D
Entries 82
Mean 0.01264
Std Dev 1.079



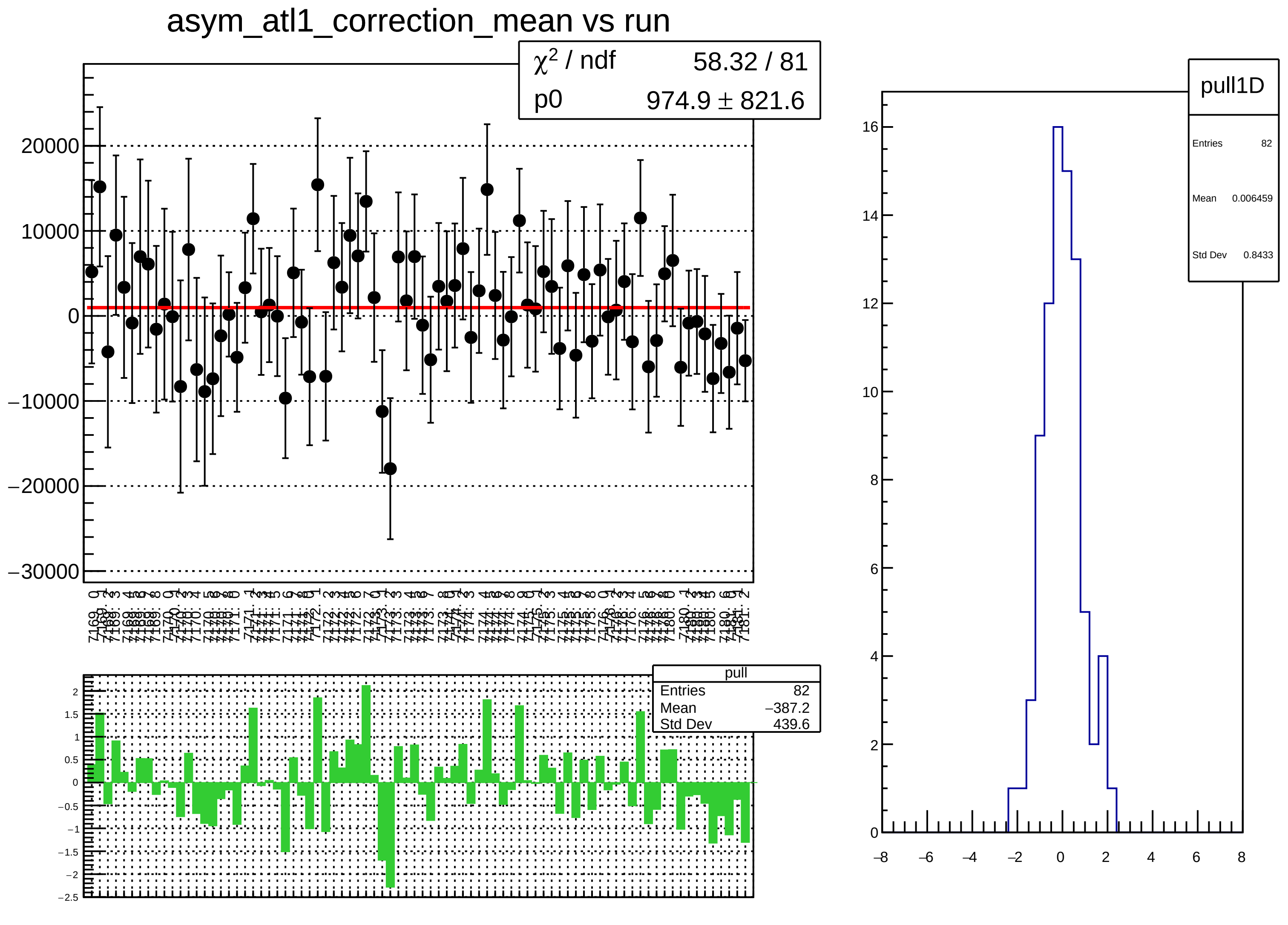
asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 5839 / 81
p0 1420 ± 1.135
2400
2200
2000
1800
1600
1400



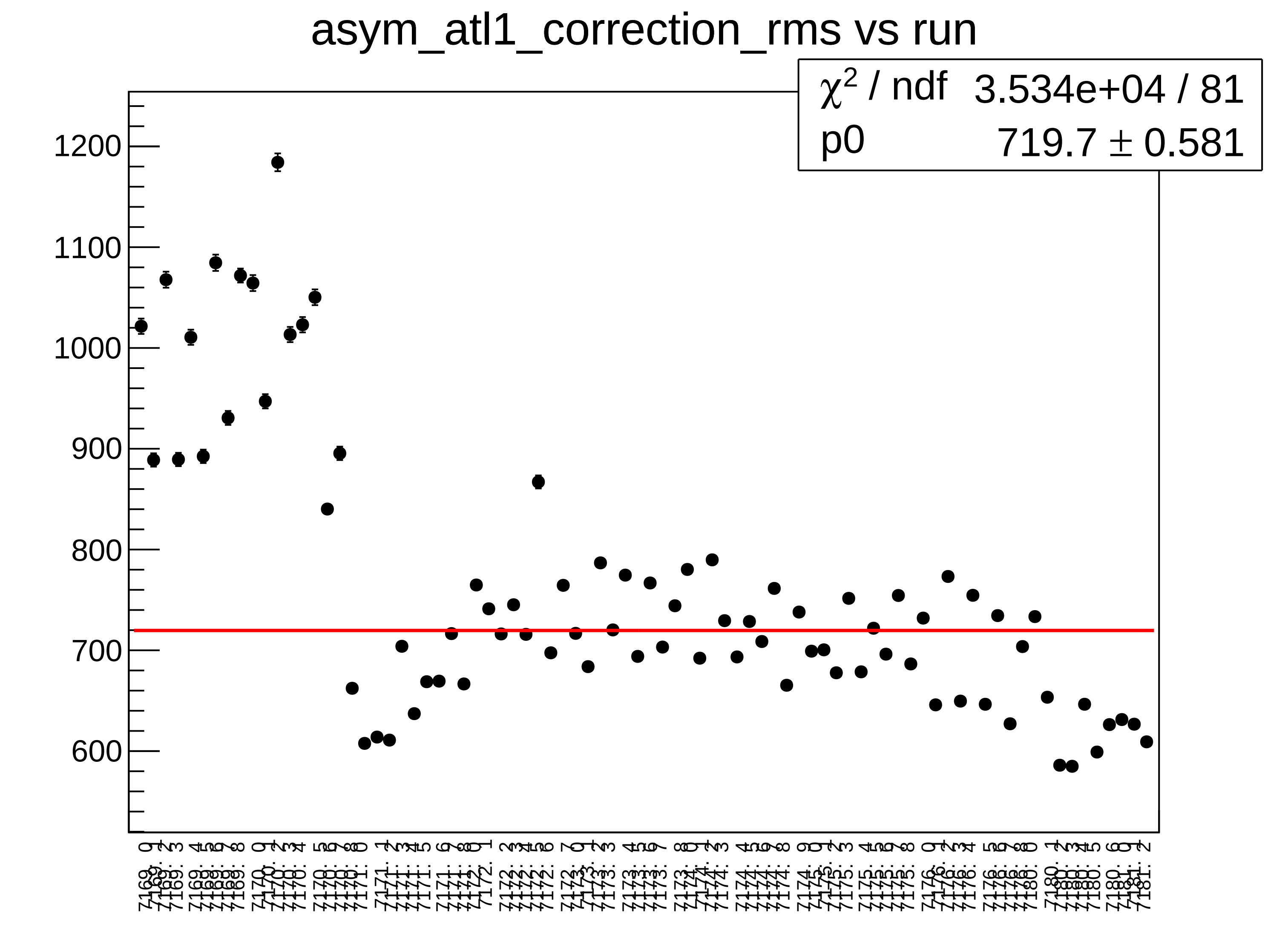
dit_asym_atl1_mean vs run
χ^2 / ndf 66.42 / 81
p0 −2934 ± 2658
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −1352
Std Dev 1380
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.001805
Std Dev 0.9
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

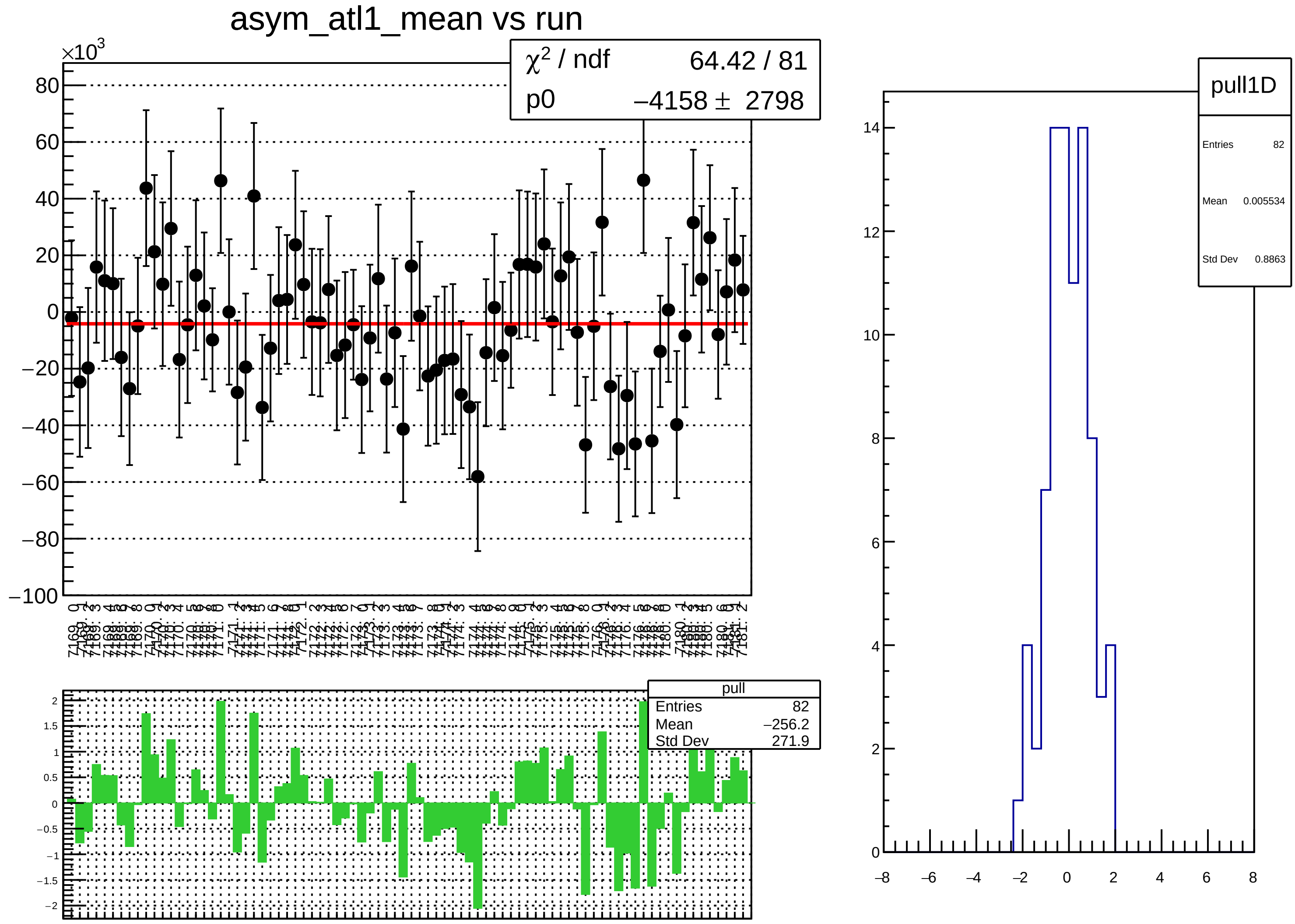


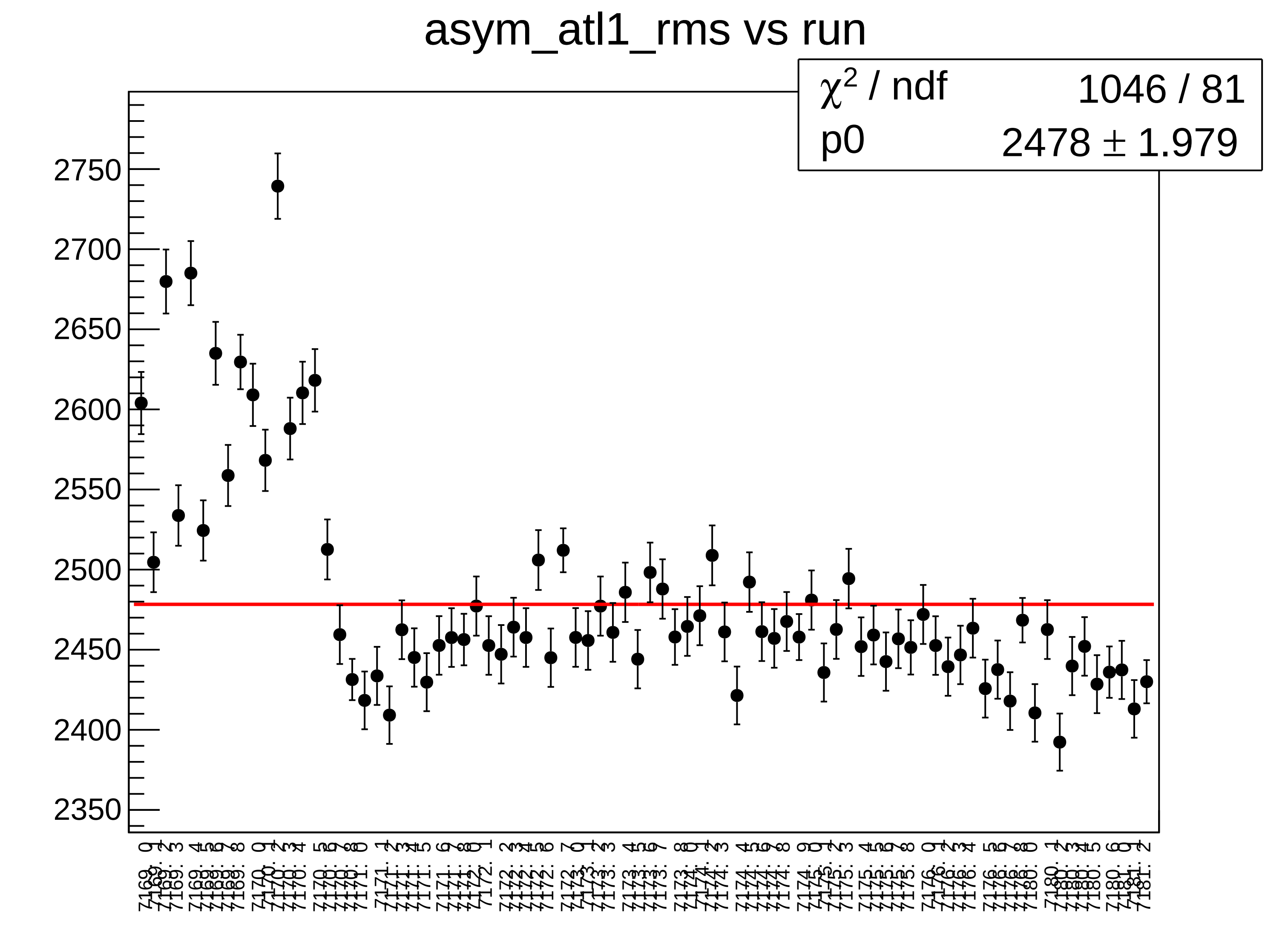
dit_asym_atl1_rms vs run
χ^2 / ndf 67.5 / 81
p0 2355 ± 1.879
2420
2400
2380
2360
2340
2320
2300
2280

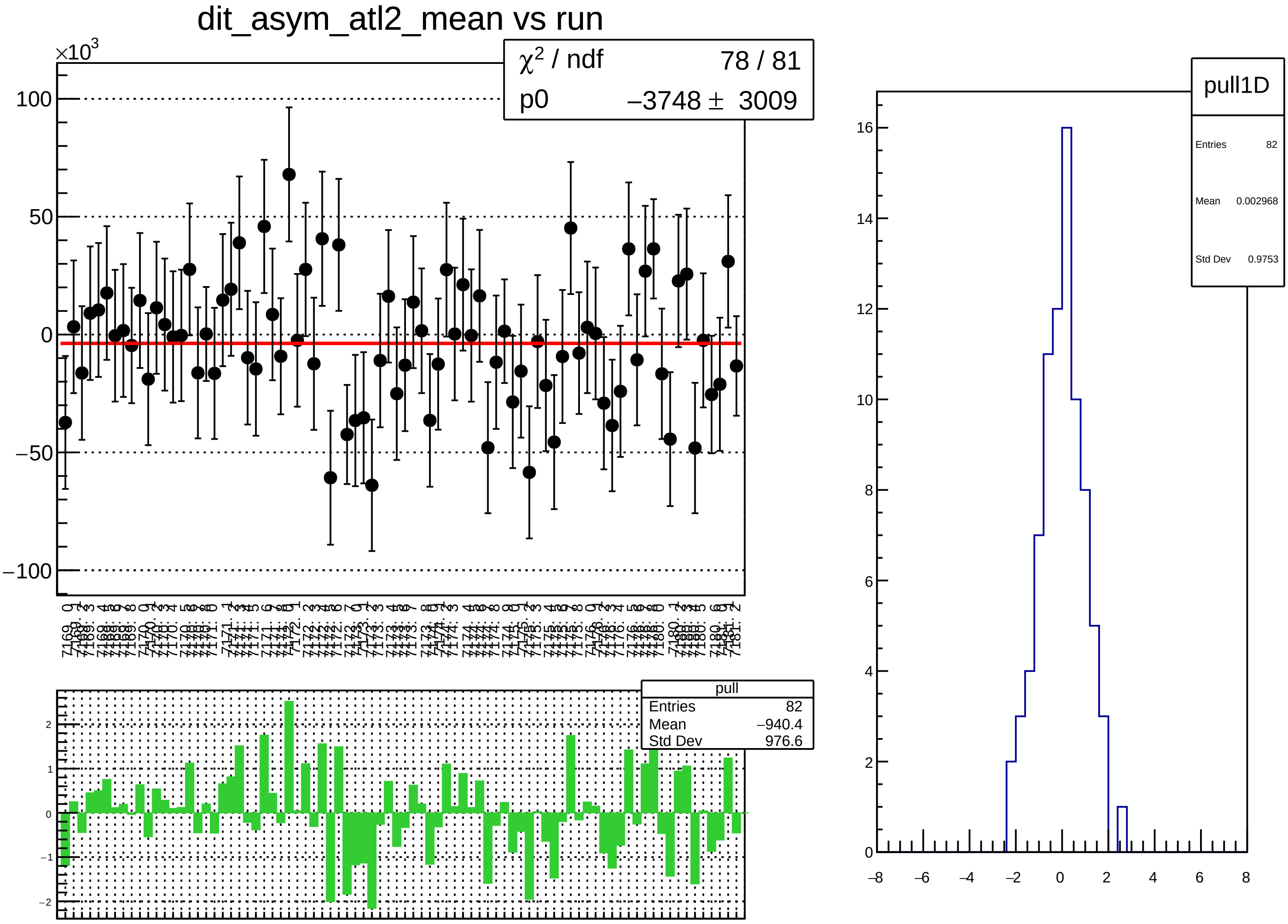


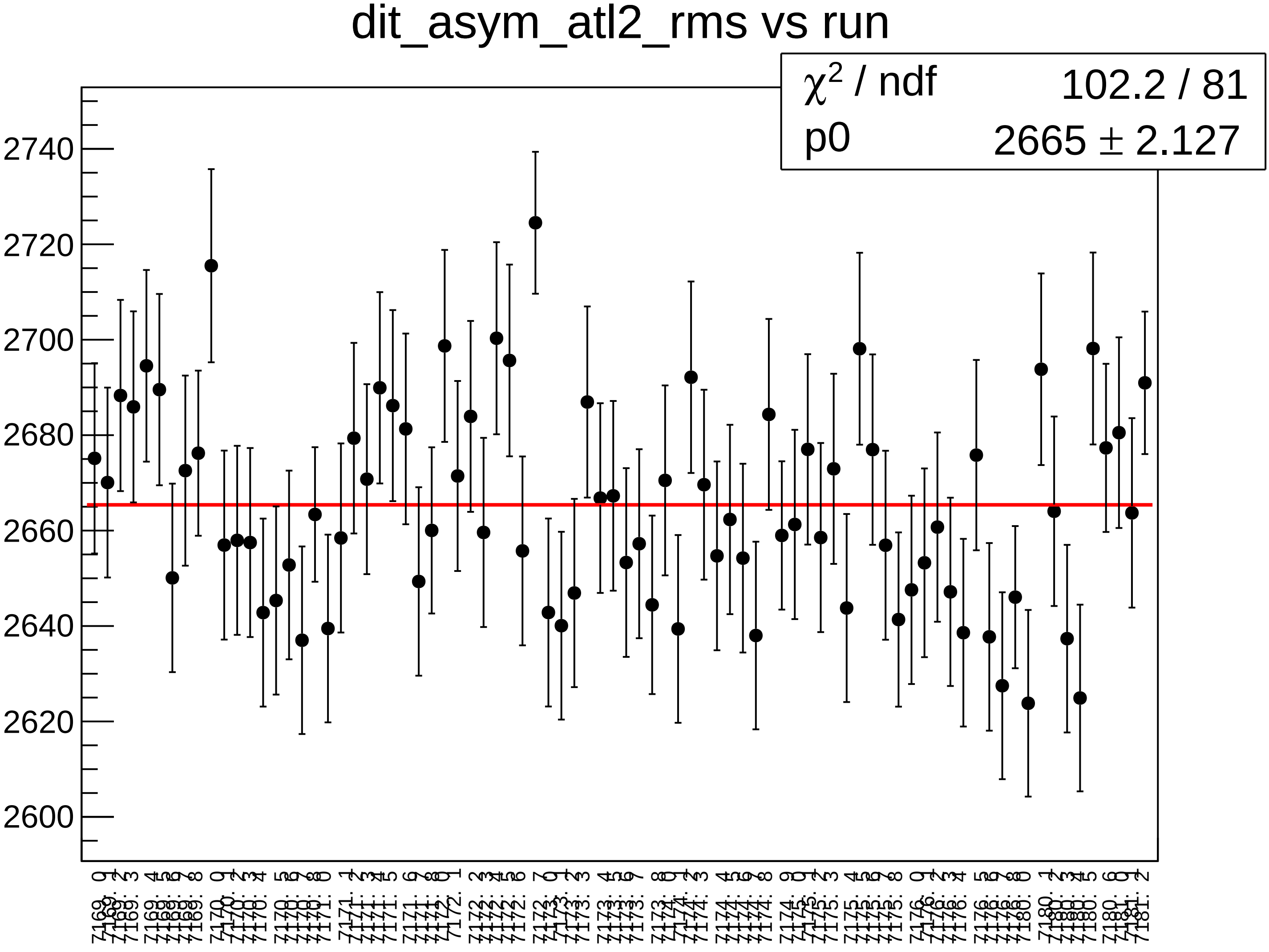
asym_atl1_correction_mean vs run
χ^2 / ndf 58.32 / 81
p0 974.9 ± 821.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −387.2
Std Dev 439.6
pull1D
Entries 82
Mean 0.006459
Std Dev 0.8433


asym_atl1_correction_rms vs run
χ^2 / ndf 3.534e+04 / 81
p0 719.7 ± 0.581
1200
1100
1000
900
800
700
600

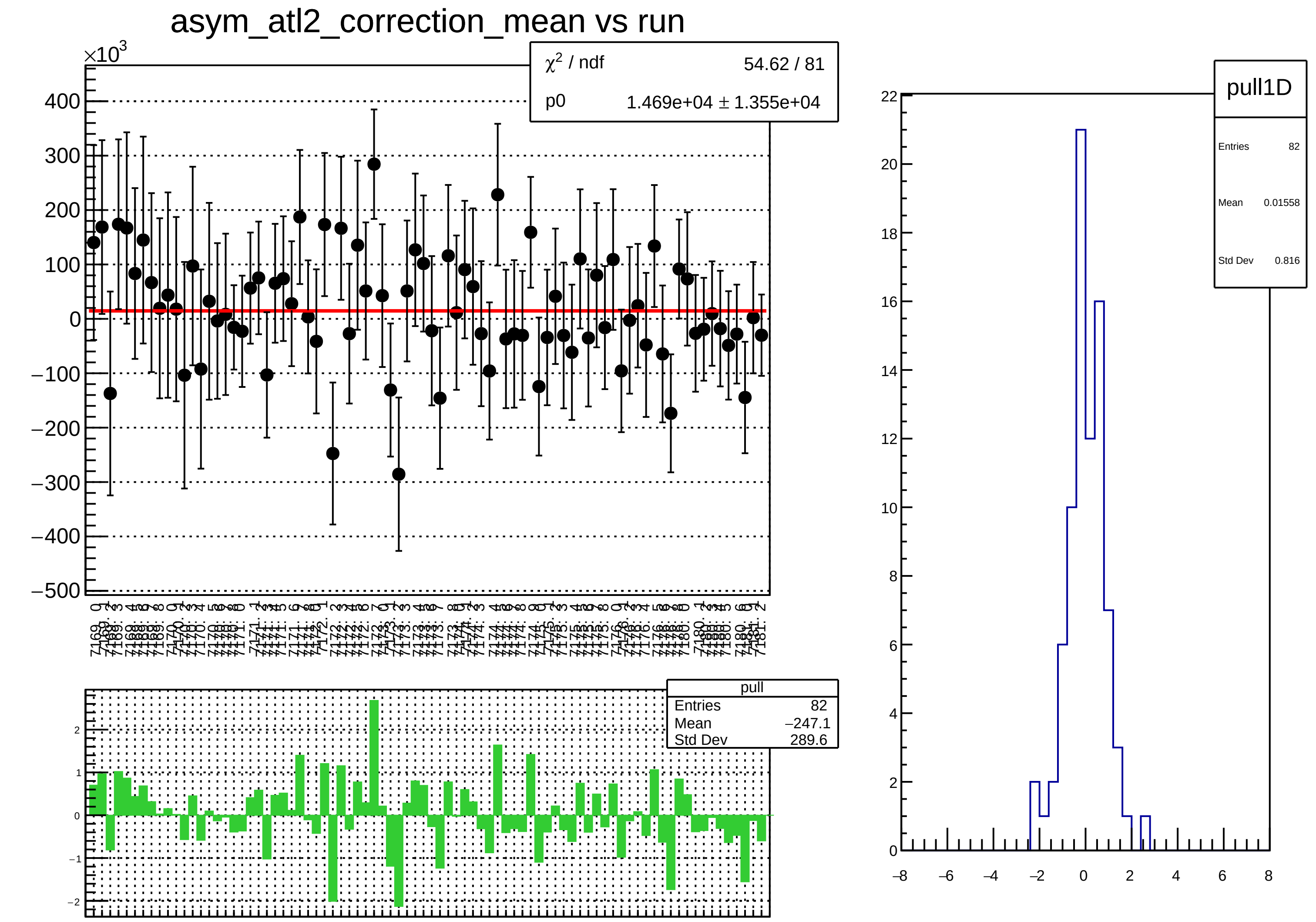

asym_atl1_mean vs run
×10^3
χ^2 / ndf 64.42 / 81
p0 −4158 ± 2798
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 82
Mean −256.2
Std Dev 271.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.005534
Std Dev 0.8863
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

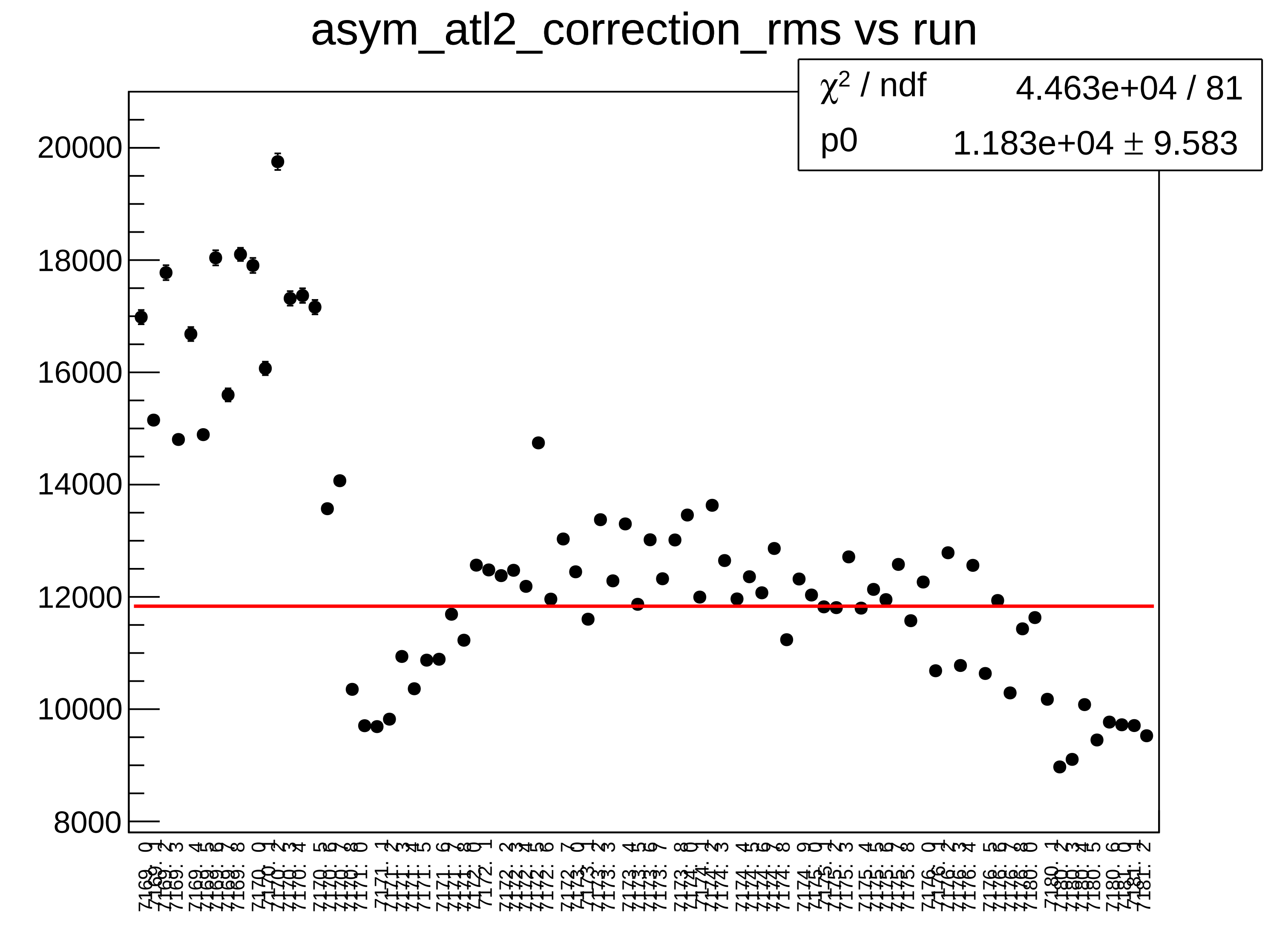

asym_atl1_rms vs run
χ2 / ndf 1046 / 81
p0 2478 ± 1.979
2750
2700
2650
2600
2550
2500
2450
2400
2350

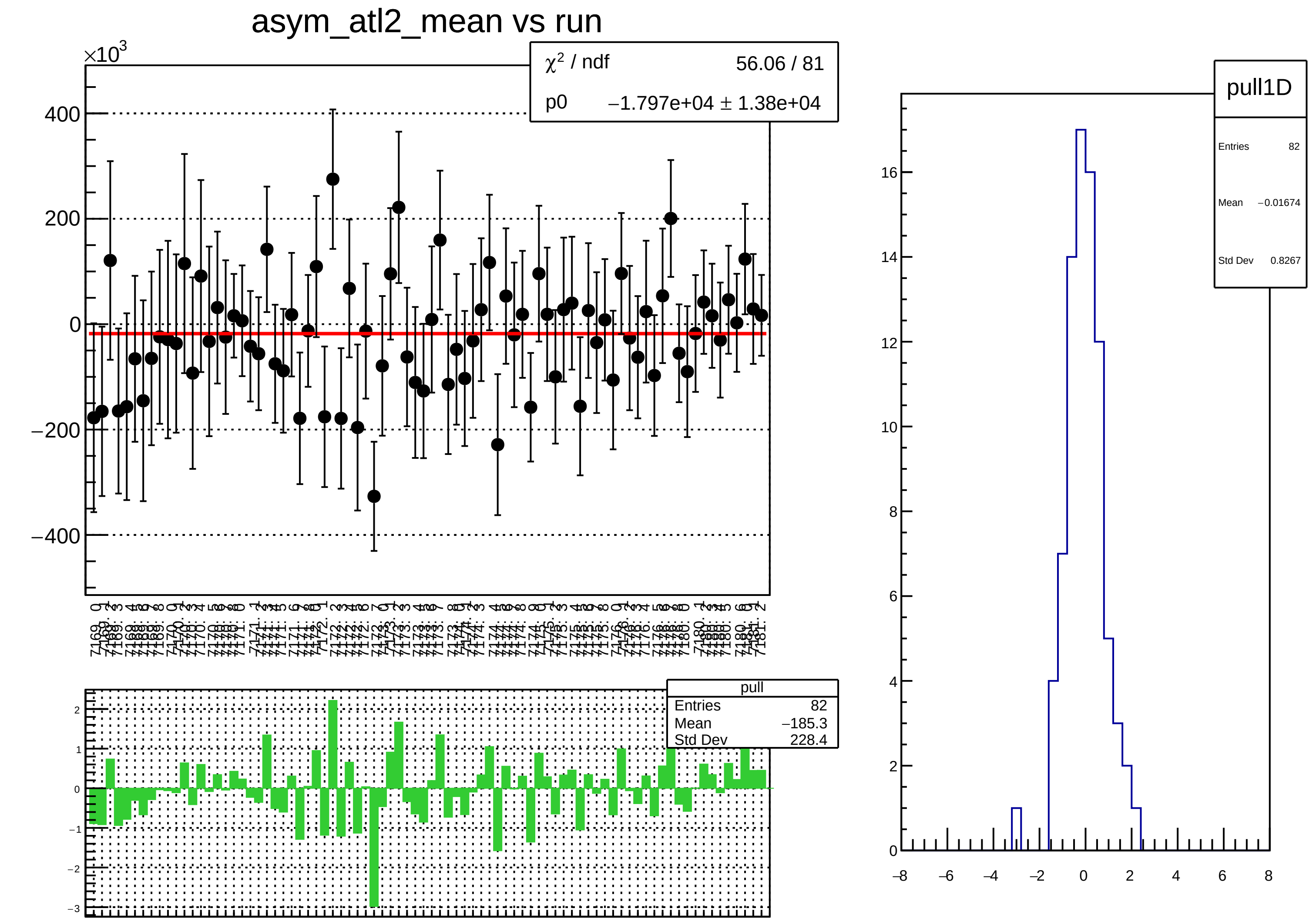

dit_asym_atl2_mean vs run
×10^3
χ2 / ndf 78 / 81
p0 −3748 ± 3009
100
50
0
−50
−100
pull
Entries 82
Mean −940.4
Std Dev 976.6
pull1D
Entries 82
Mean 0.002968
Std Dev 0.9753



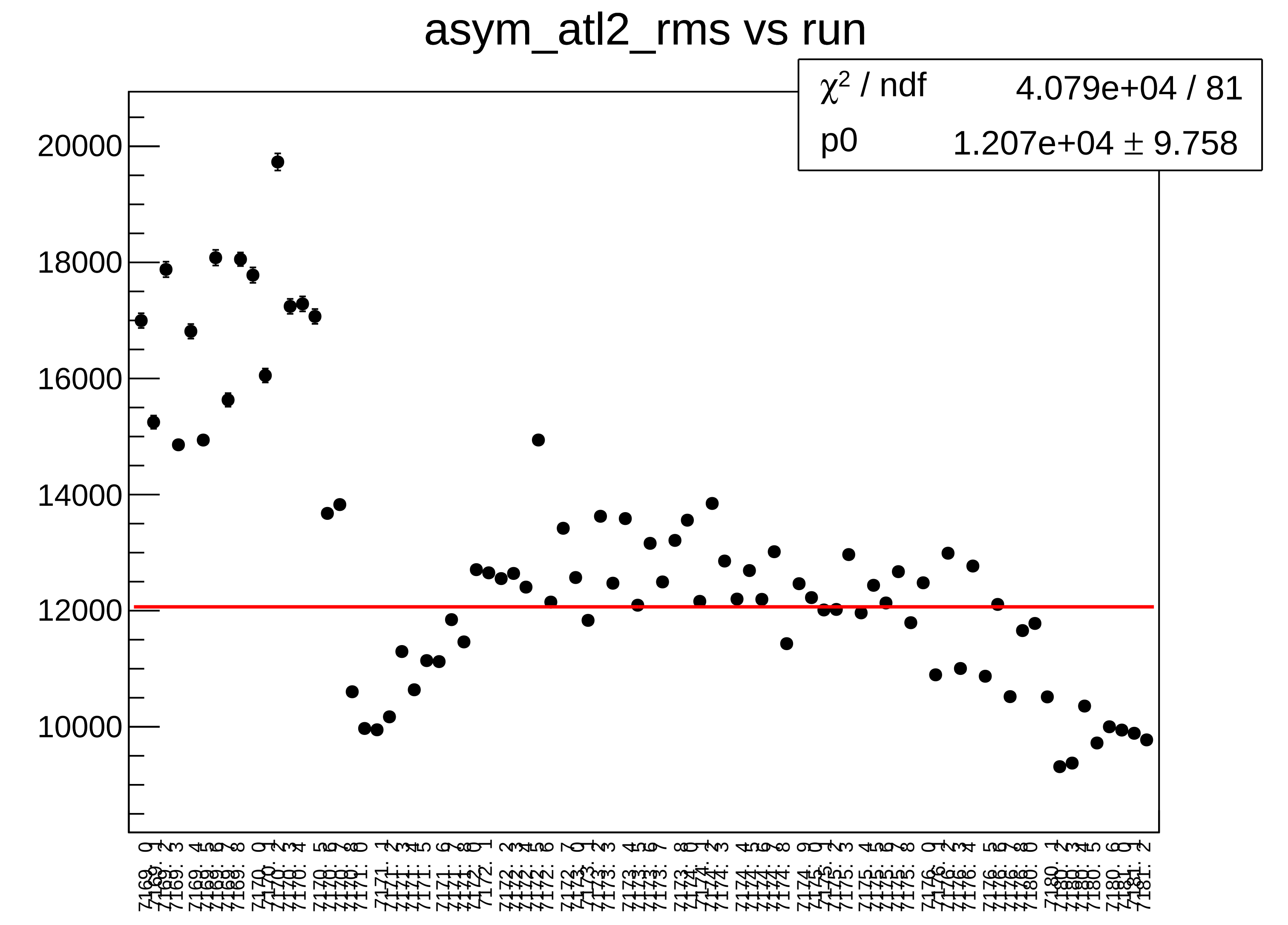
dit_asym_atl2_rms vs run
χ^2 / ndf 102.2 / 81
p0 2665 ± 2.127
2740
2720
2700
2680
2660
2640
2620
2600


asym_atl2_correction_mean vs run
χ^2 / ndf 54.62 / 81
p0 1.469e+04 ± 1.355e+04
pull
Entries 82
Mean −247.1
Std Dev 289.6
pull1D
Entries 82
Mean 0.01558
Std Dev 0.816

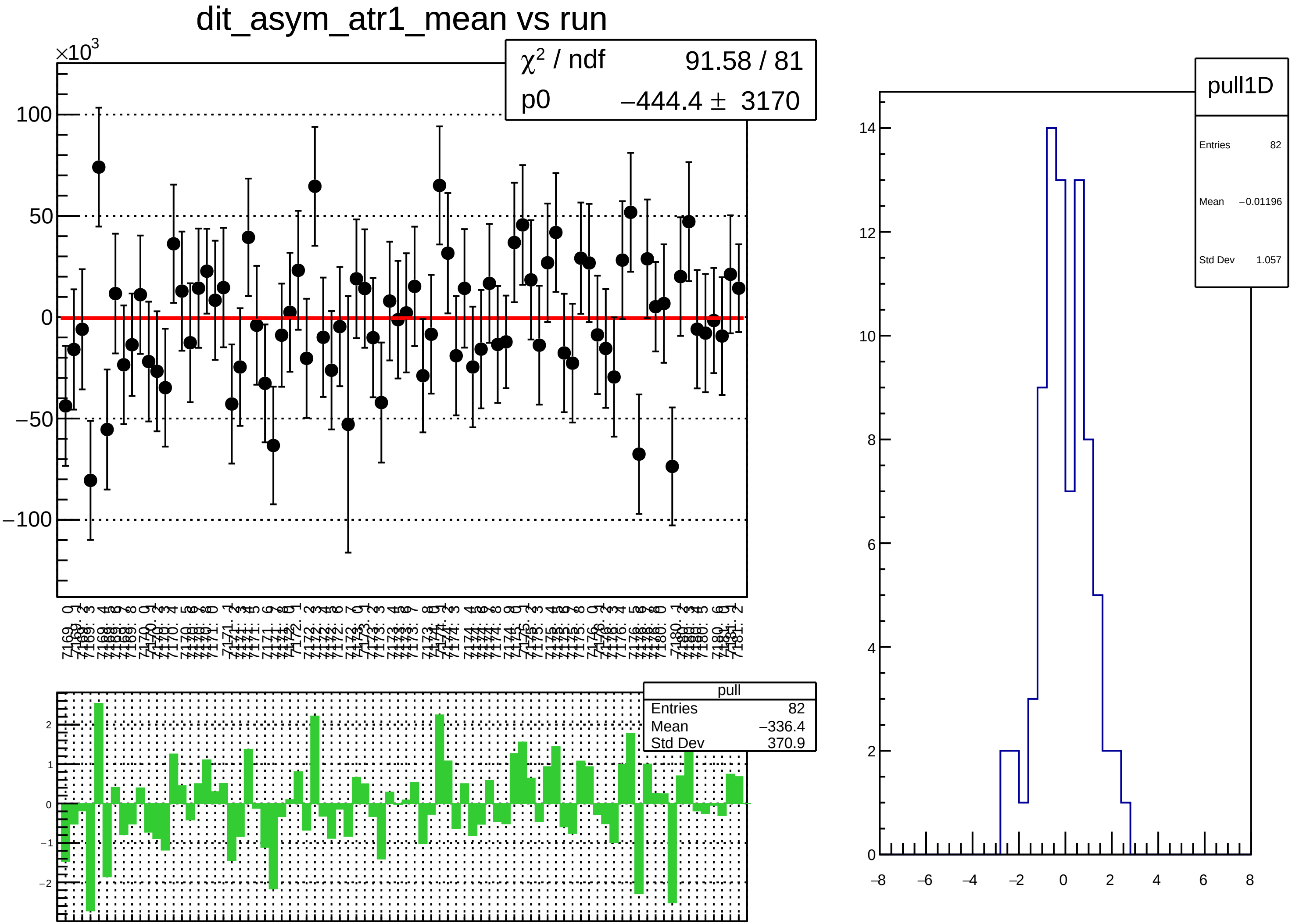

asym_atl2_correction_rms vs run
χ^2 / ndf 4.463e+04 / 81
p0 1.183e+04 ± 9.583
20000
18000
16000
14000
12000
10000
8000

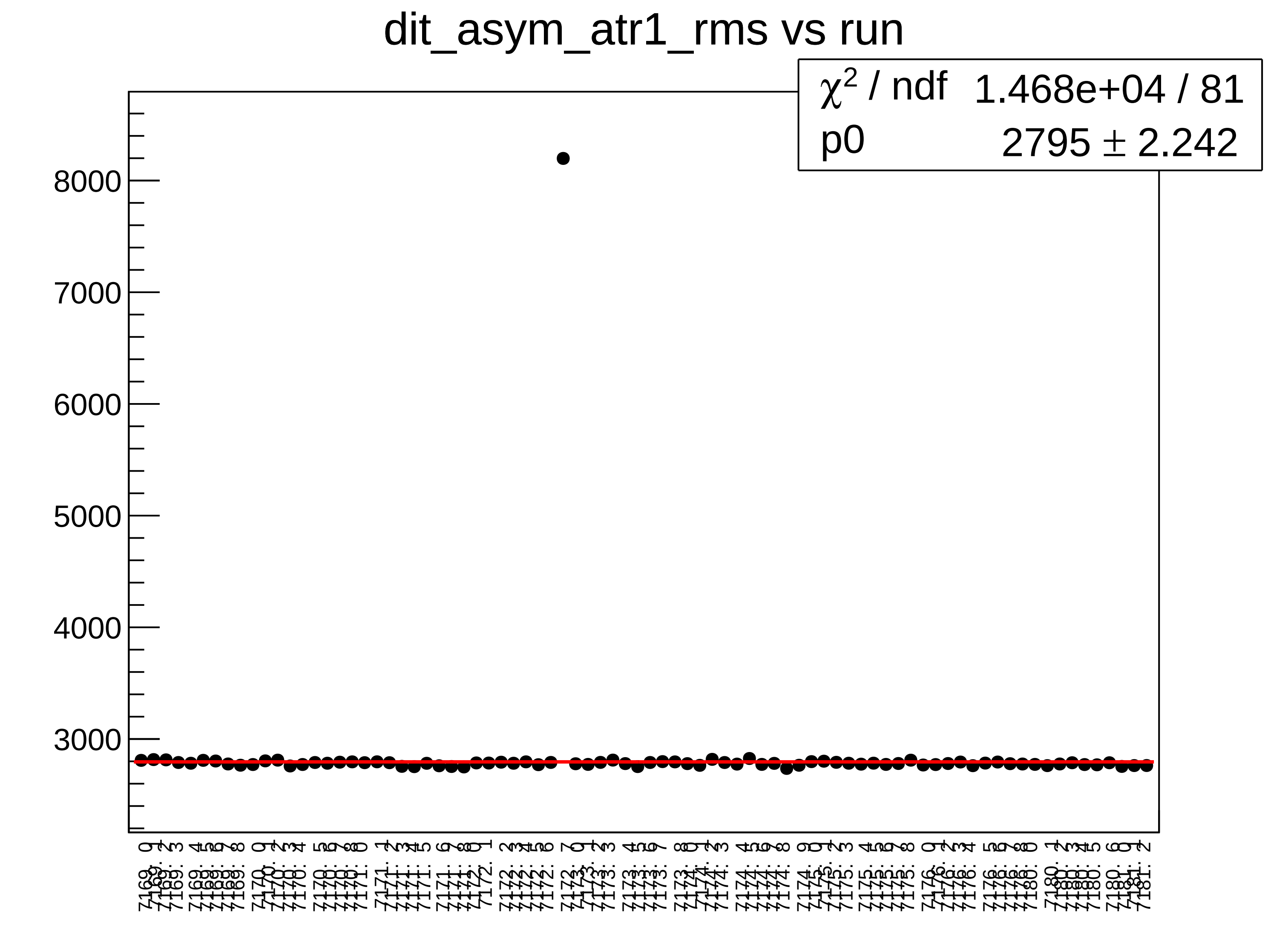


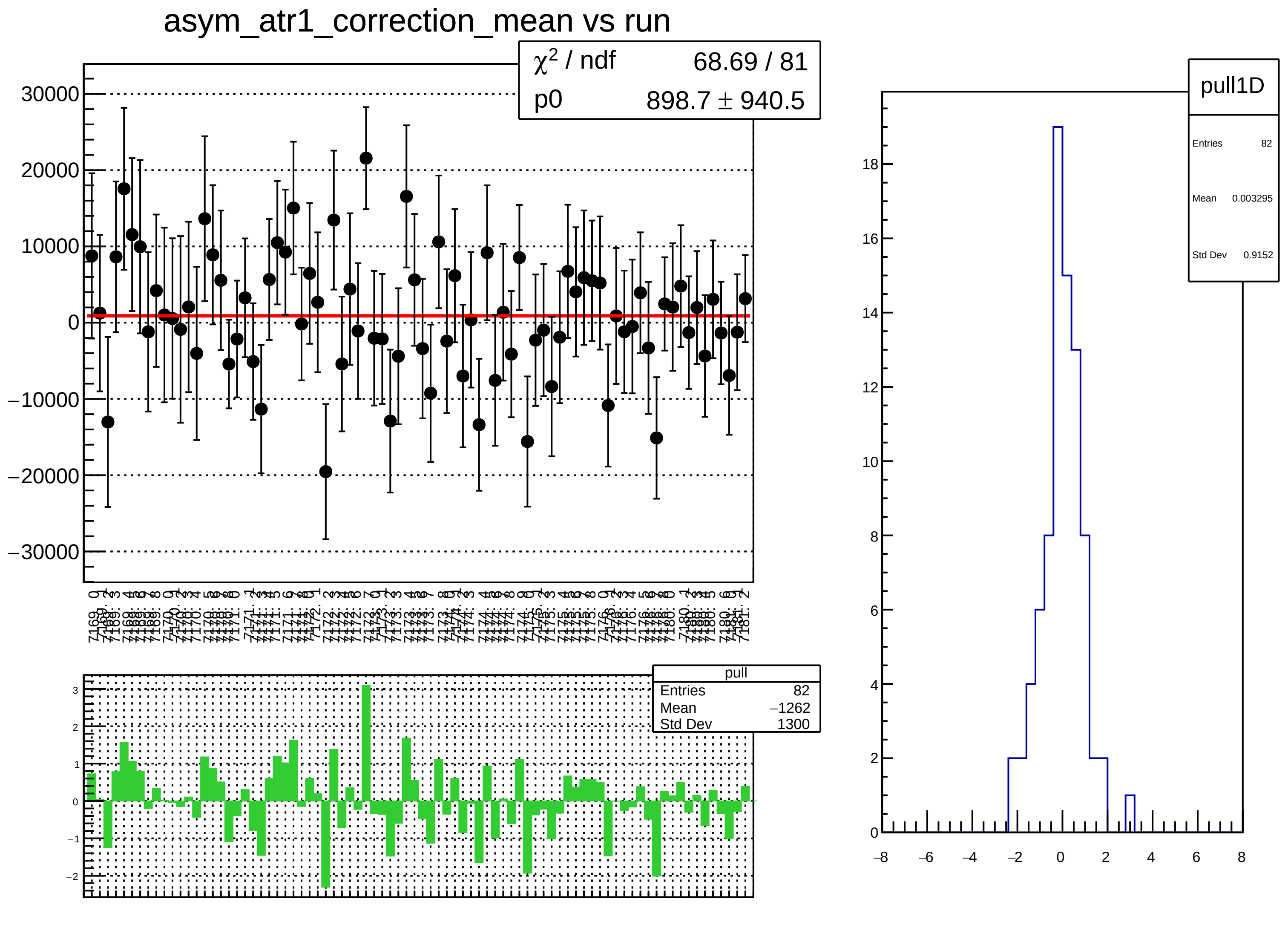
asym_atl2_mean vs run
×10^3
χ2 / ndf 56.06 / 81
p0 −1.797e+04 ± 1.38e+04
400
200
0
−200
−400
pull
Entries 82
Mean −185.3
Std Dev 228.4
pull1D
Entries 82
Mean −0.01674
Std Dev 0.8267



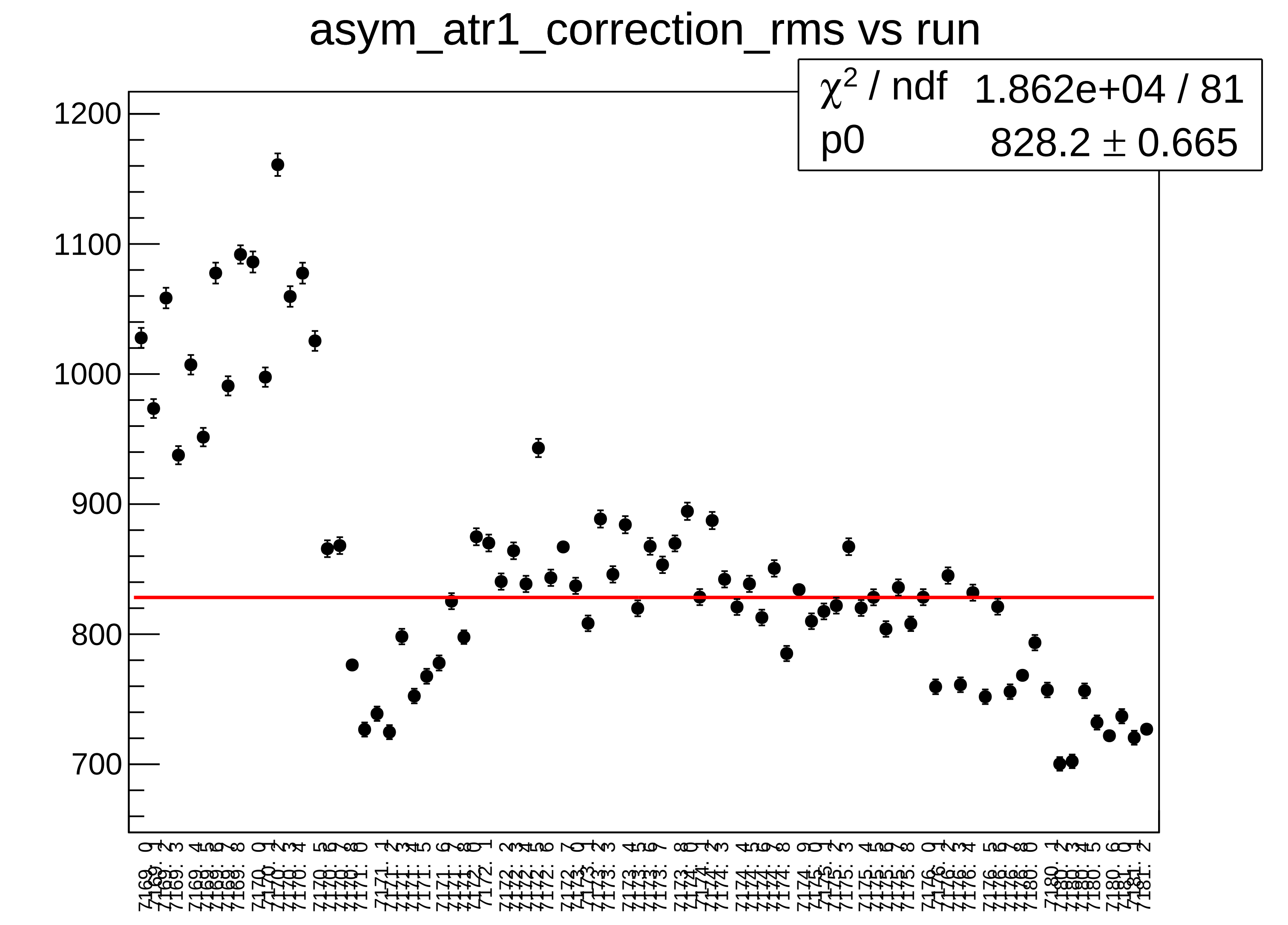
asym_atl2_rms vs run
χ^2 / ndf 4.079e+04 / 81
p0 1.207e+04 ± 9.758
20000
18000
16000
14000
12000
10000


dit_asym_atr1_mean vs run
×10^3
χ2 / ndf 91.58 / 81
p0 −444.4 ± 3170
100
50
0
−50
−100
pull
Entries 82
Mean −336.4
Std Dev 370.9
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01196
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

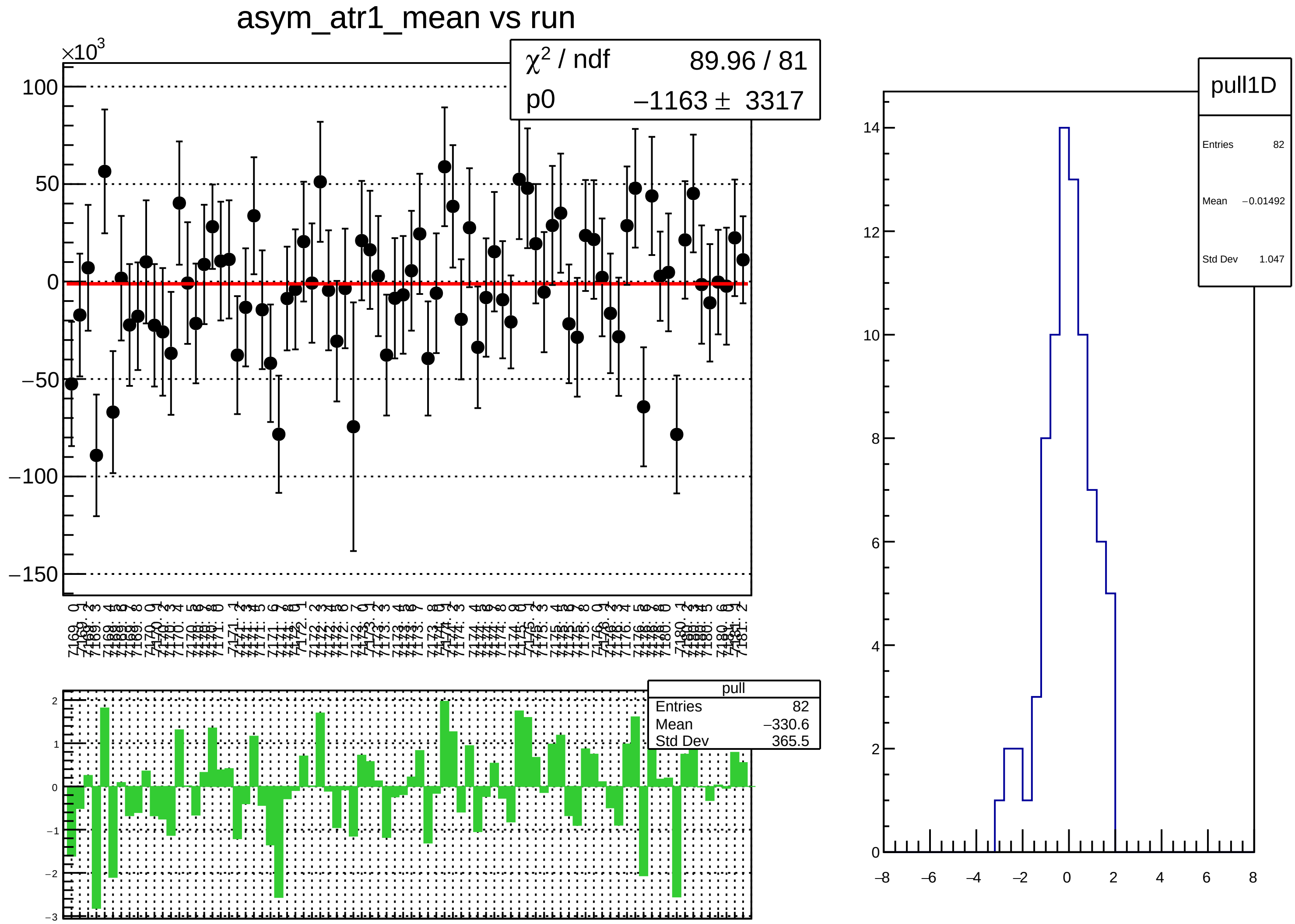

dit_asym_atr1_rms vs run
χ2 / ndf 1.468e+04 / 81
p0 2795 ± 2.242
8000
7000
6000
5000
4000
3000



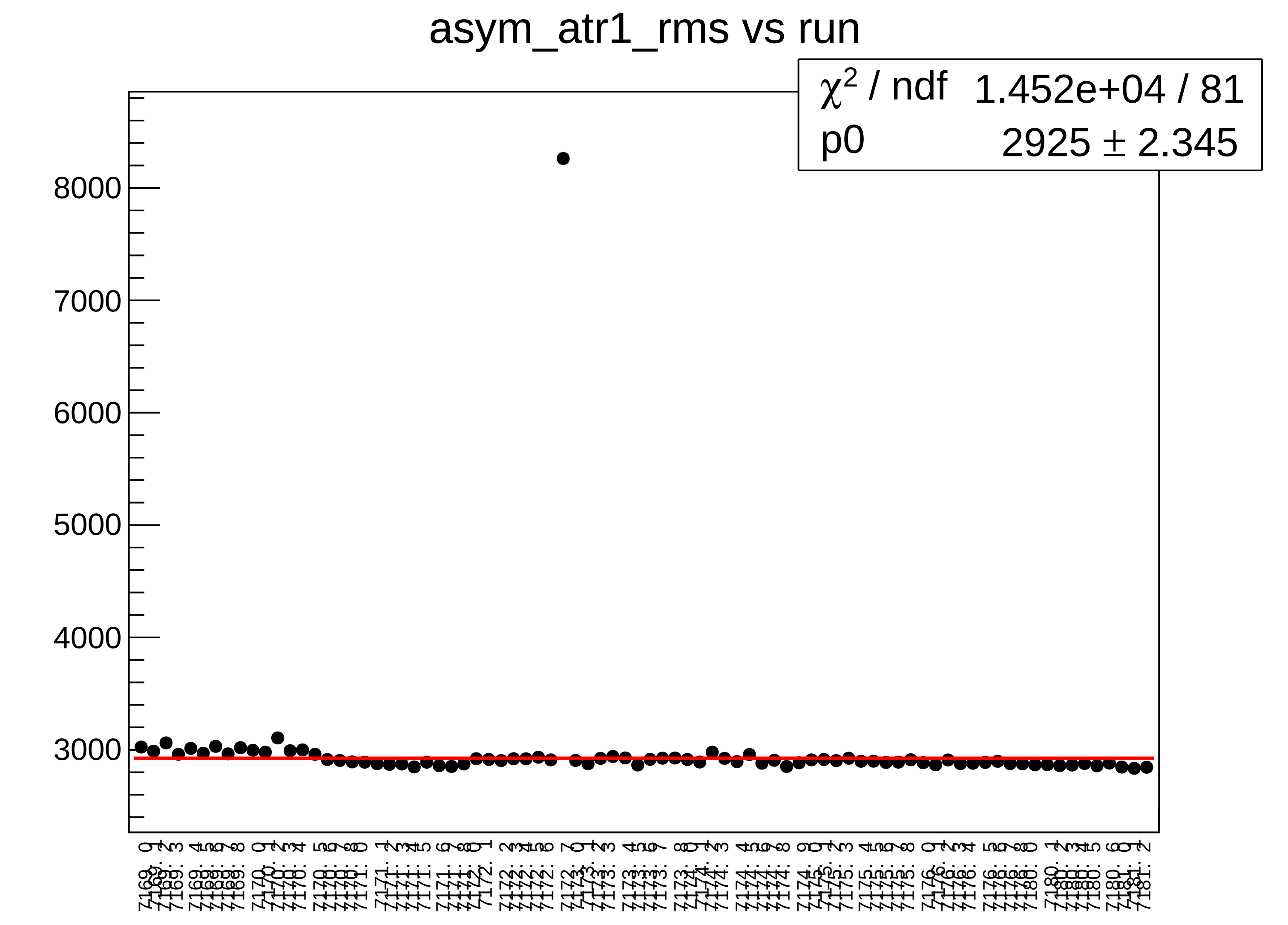
asym_atr1_correction_mean vs run
χ^2 / ndf 68.69 / 81
p0 898.7 ± 940.5
pull
Entries 82
Mean −1262
Std Dev 1300
pull1D
Entries 82
Mean 0.003295
Std Dev 0.9152



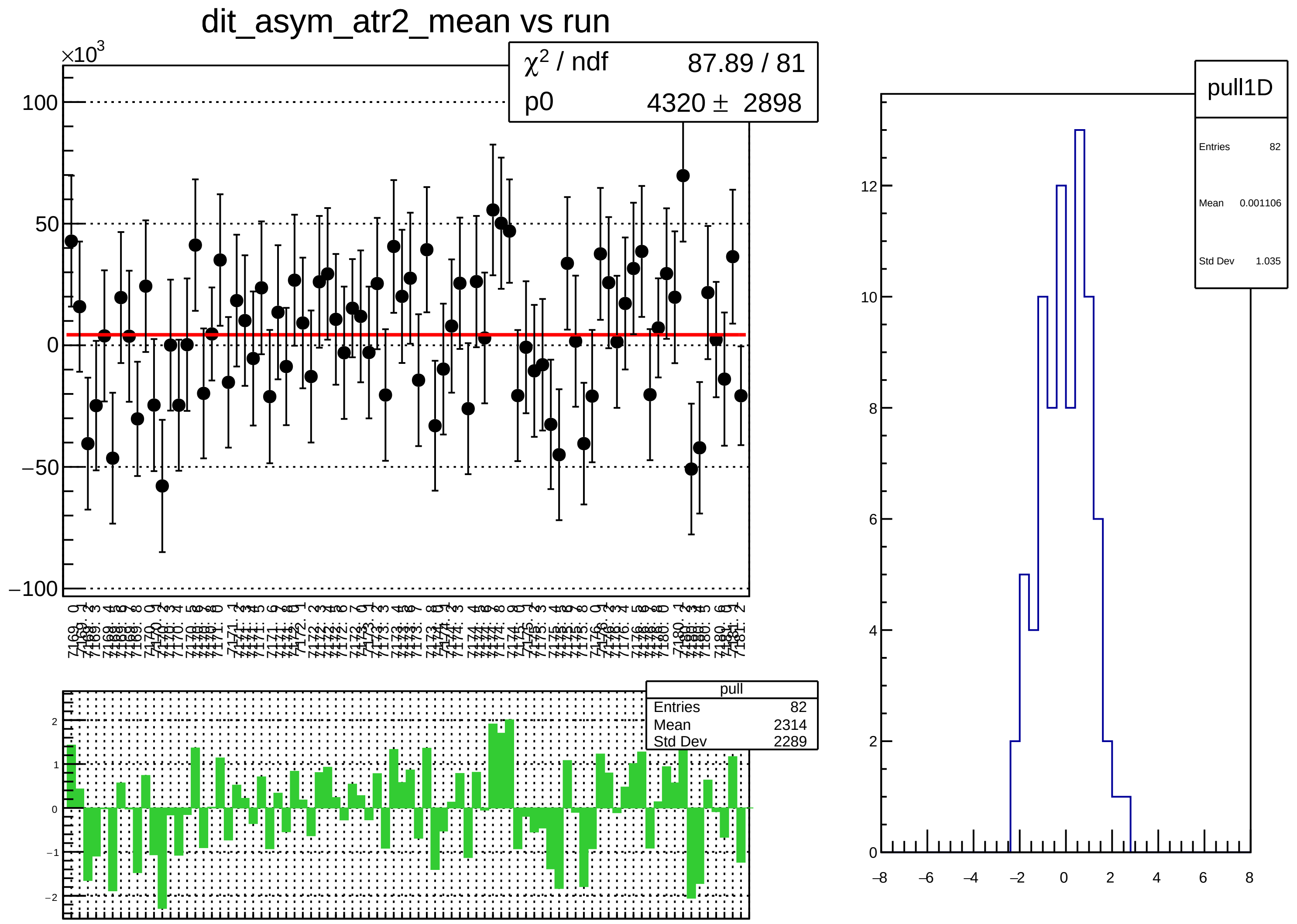
asym_atr1_correction_rms vs run
χ^2 / ndf 1.862e+04 / 81
p0 828.2 ± 0.665
1200
1100
1000
900
800
700



asym_atr1_mean vs run
×10^3
χ2 / ndf 89.96 / 81
p0 −1163 ± 3317
pull
Entries 82
Mean −330.6
Std Dev 365.5
pull1D
Entries 82
Mean −0.01492
Std Dev 1.047

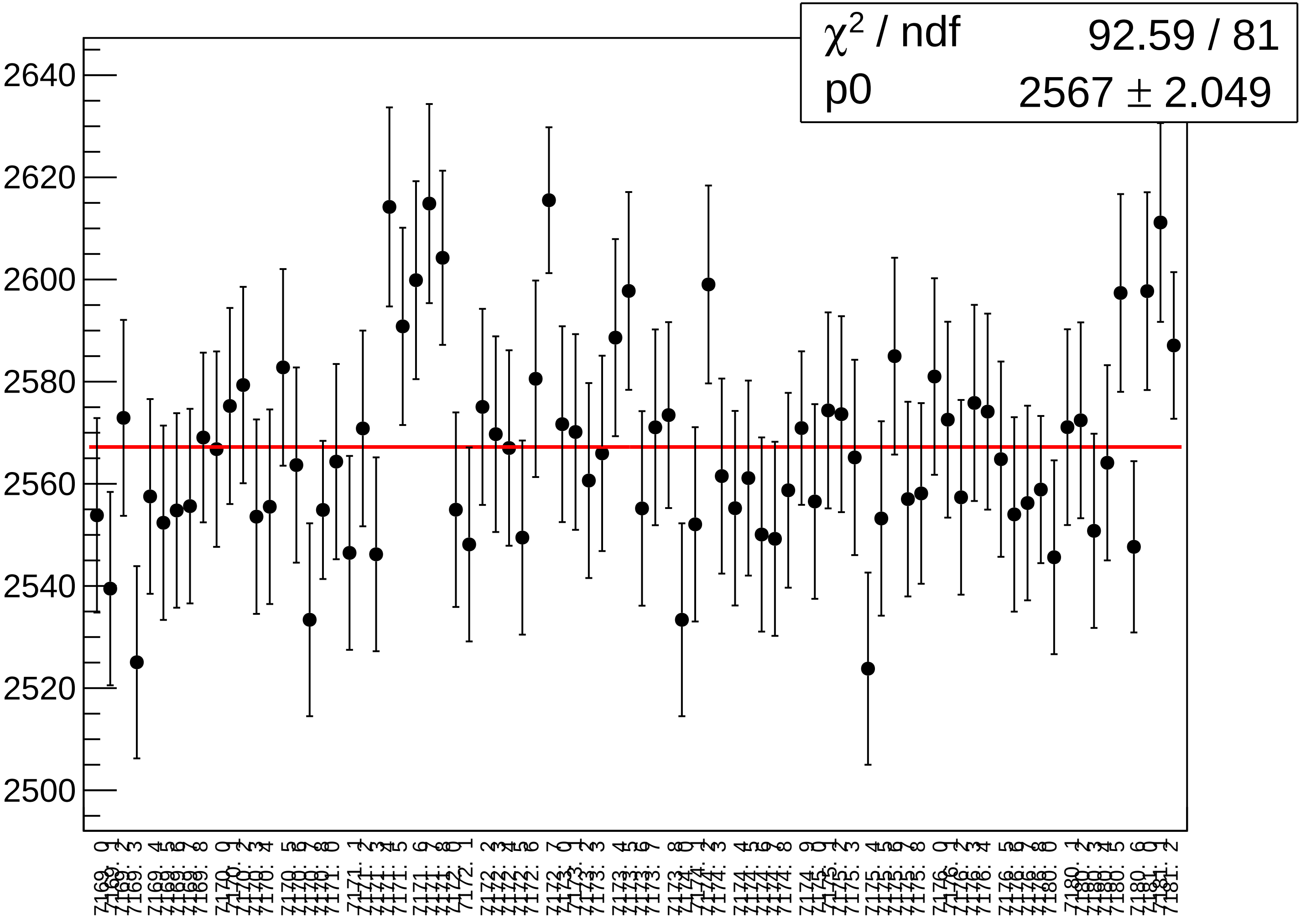


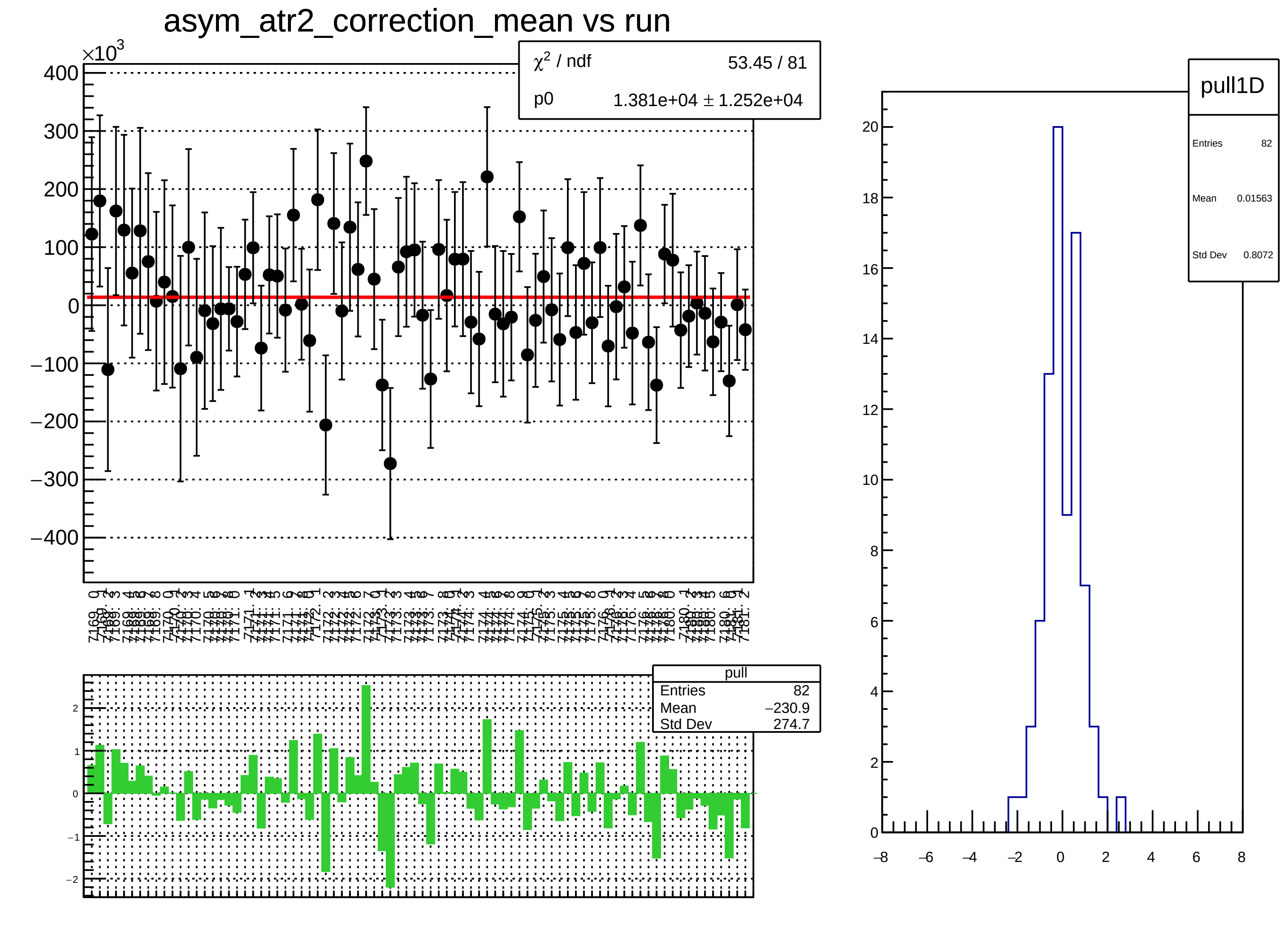
asym_atr1_rms vs run
χ^2 / ndf 1.452e+04 / 81
p0 2925 ± 2.345
8000
7000
6000
5000
4000
3000

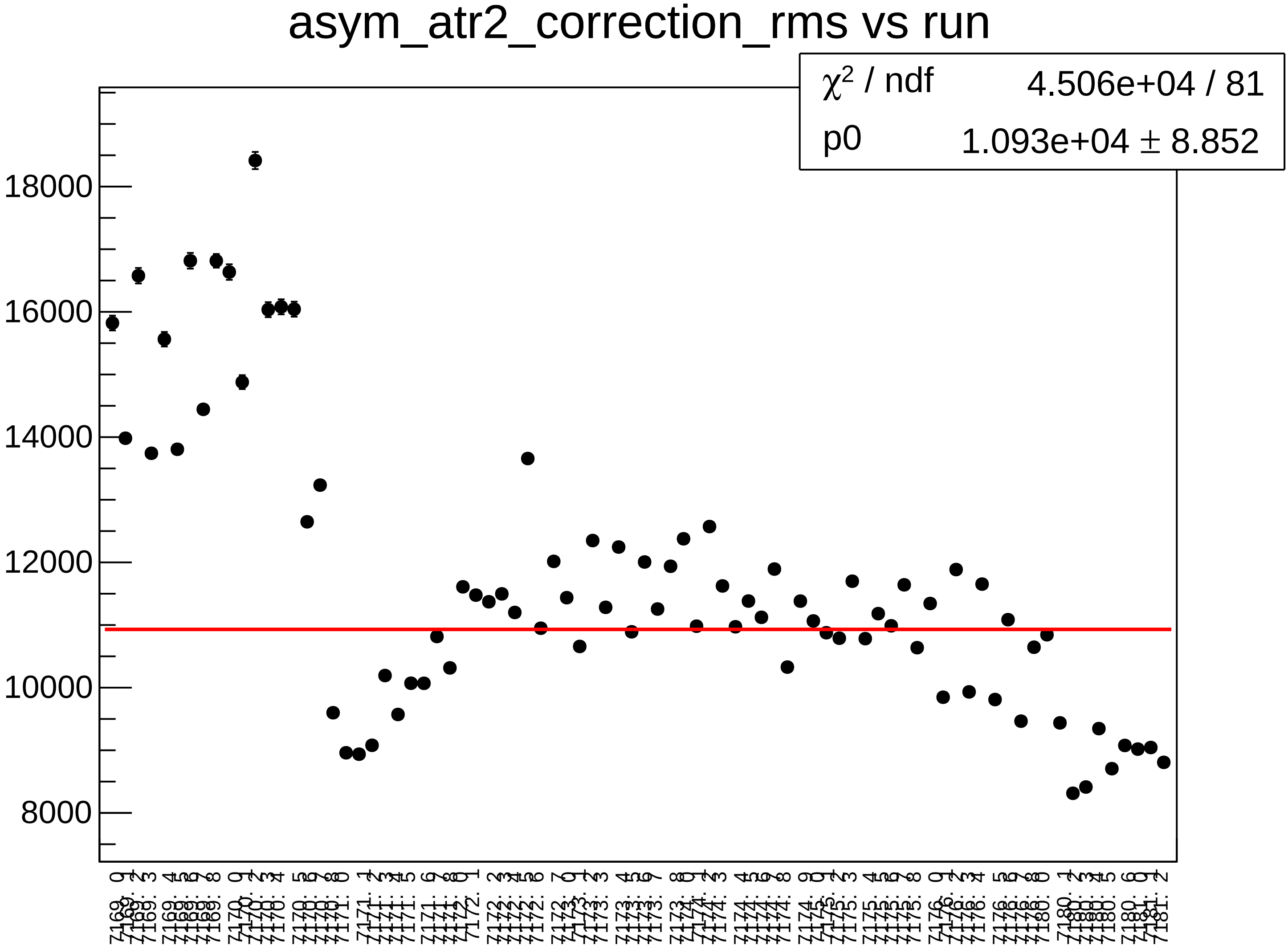


dit_asym_atr2_mean vs run
χ^2 / ndf 87.89 / 81
p0 4320 ± 2898
$\times10^3$
pull
Entries 82
Mean 2314
Std Dev 2289
pull1D
Entries 82
Mean 0.001106
Std Dev 1.035

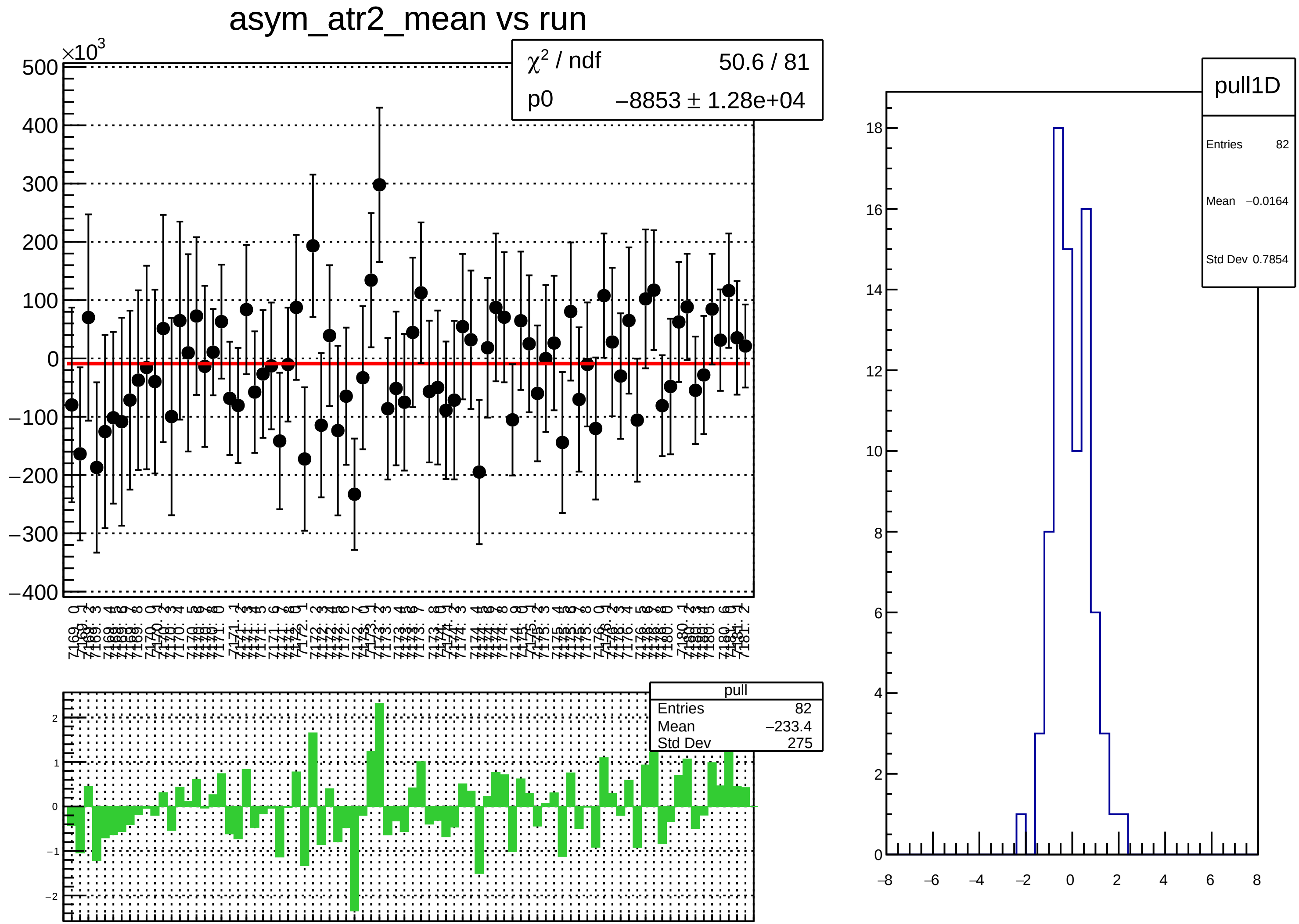
dit_asym_atr2_rms vs run



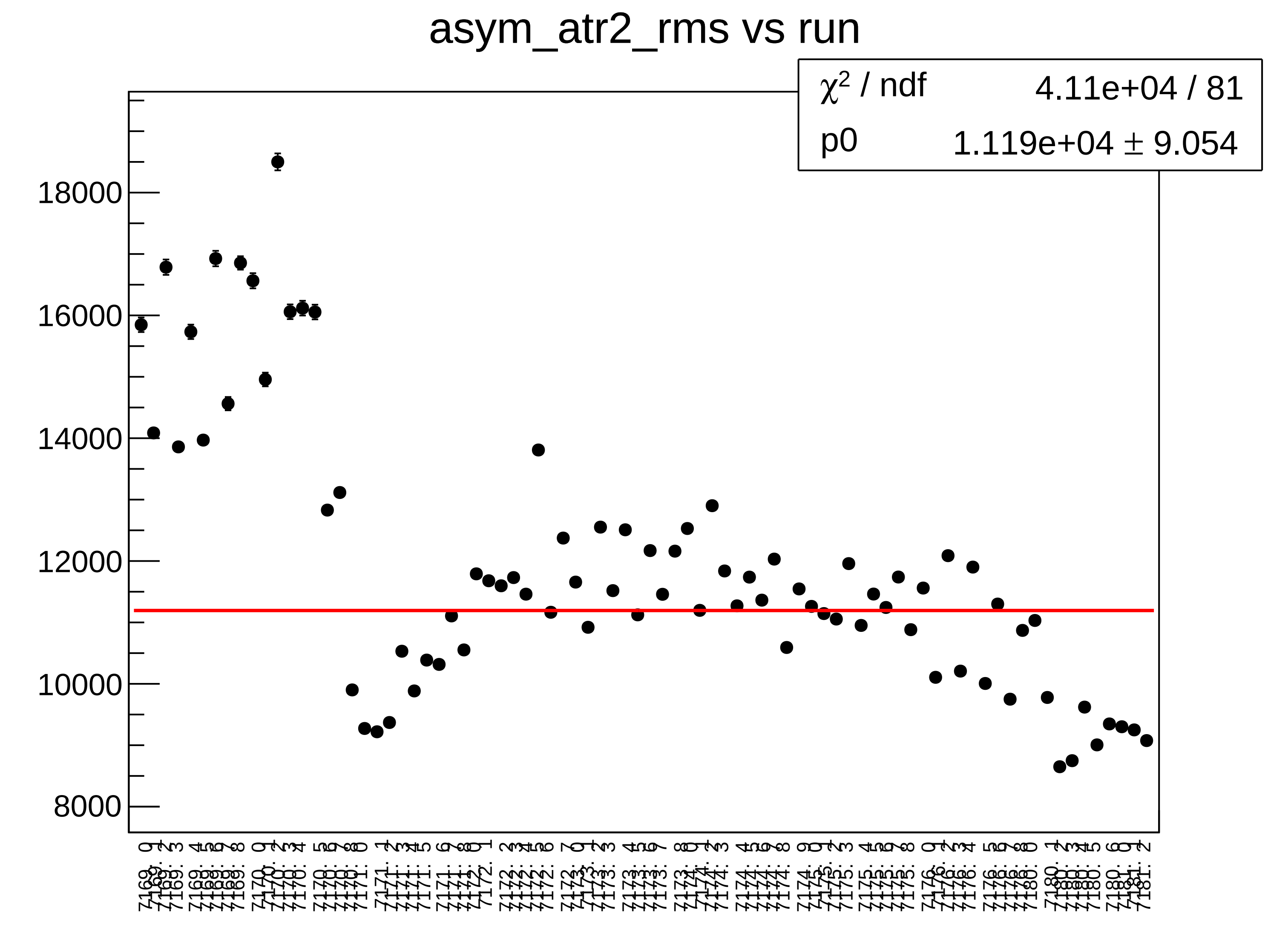

asym_atr2_correction_mean vs run
×10^3
χ2 / ndf 53.45 / 81
p0 1.381e+04 ± 1.252e+04
pull
Entries 82
Mean −230.9
Std Dev 274.7
pull1D
Entries 82
Mean 0.01563
Std Dev 0.8072

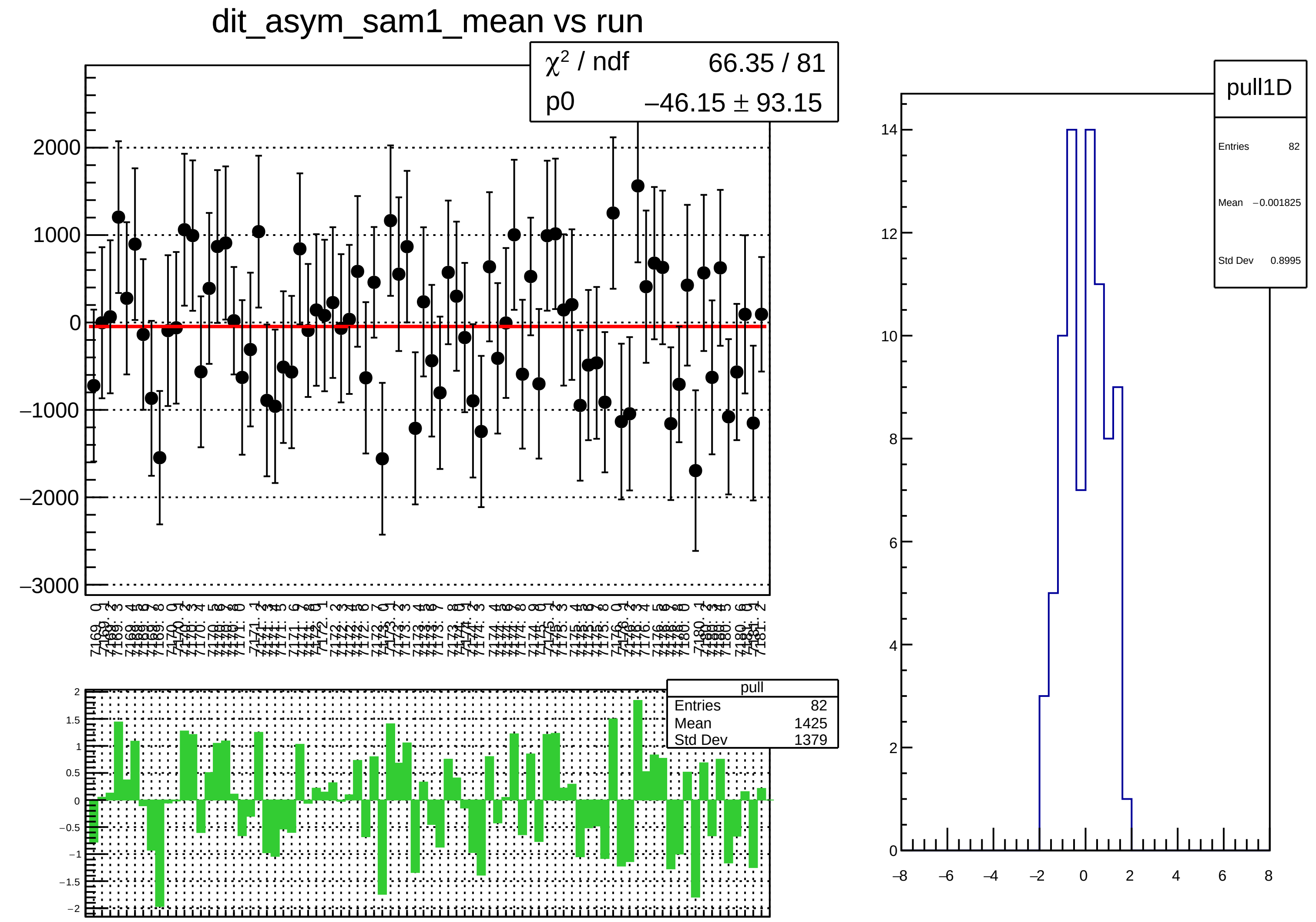


asym_atr2_correction_rms vs run
χ^2 / ndf 4.506e+04 / 81
p0 1.093e+04 ± 8.852
18000
16000
14000
12000
10000
8000

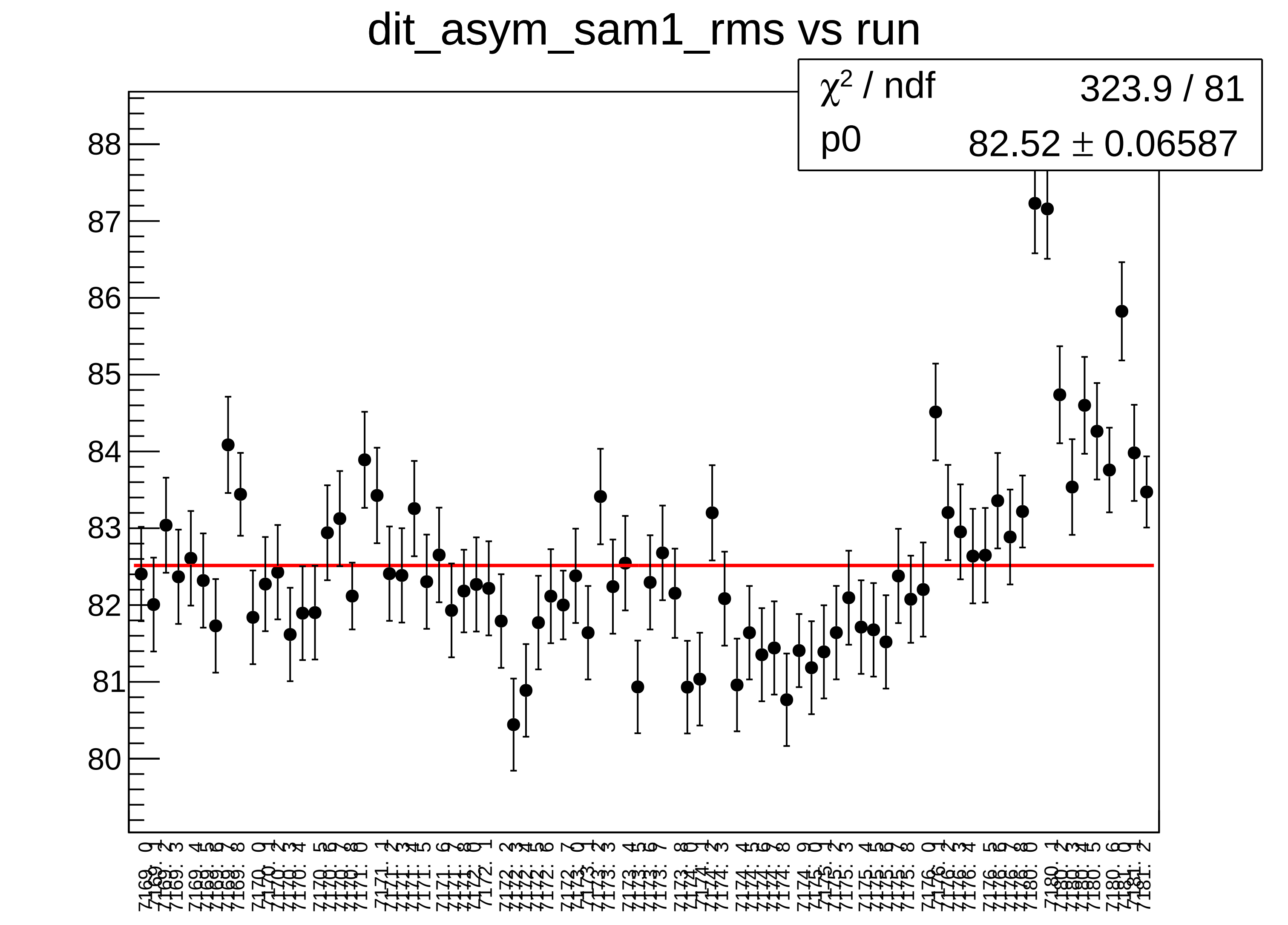


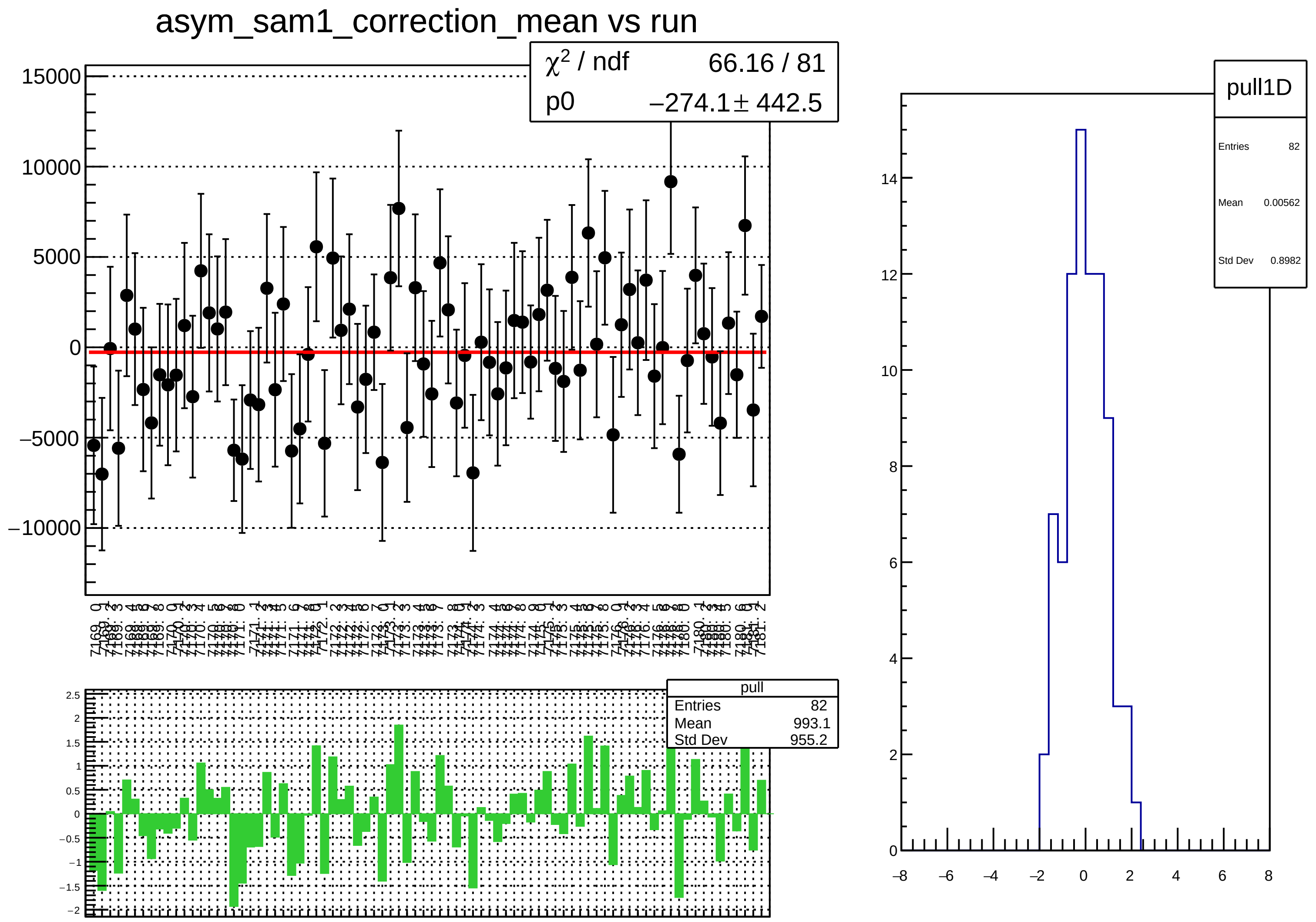
asym_atr2_mean vs run
×10^3
χ² / ndf 50.6 / 81
p0 −8853 ± 1.28e+04
pull
Entries 82
Mean −233.4
Std Dev 275
pull1D
Entries 82
Mean −0.0164
Std Dev 0.7854


asym_atr2_rms vs run
χ^2 / ndf 4.11e+04 / 81
p0 1.119e+04 ± 9.054
18000
16000
14000
12000
10000
8000

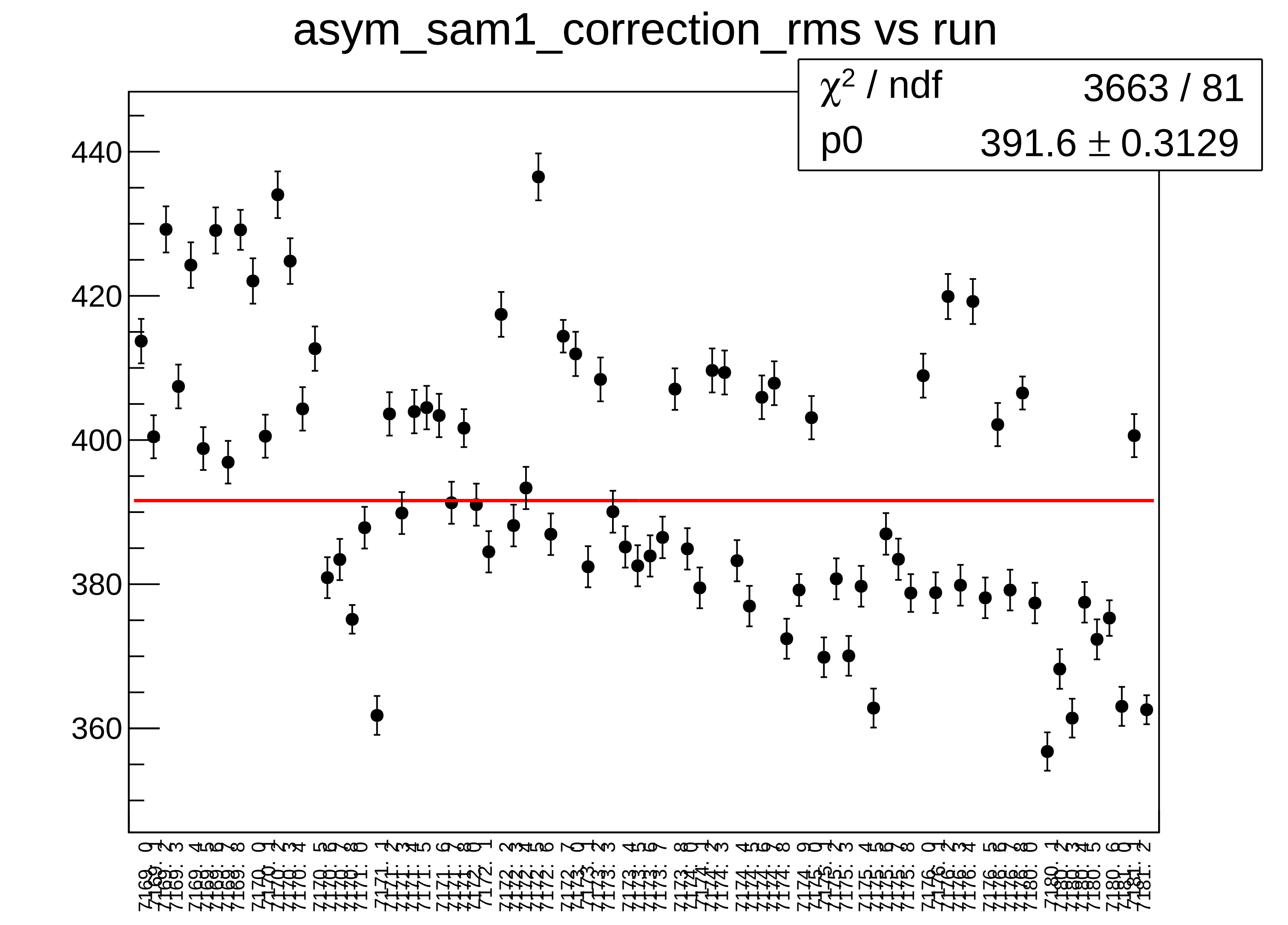


dit_asym_sam1_mean vs run
χ^2 / ndf 66.35 / 81
p0 −46.15 ± 93.15
pull
Entries 82
Mean 1425
Std Dev 1379
pull1D
Entries 82
Mean −0.001825
Std Dev 0.8995

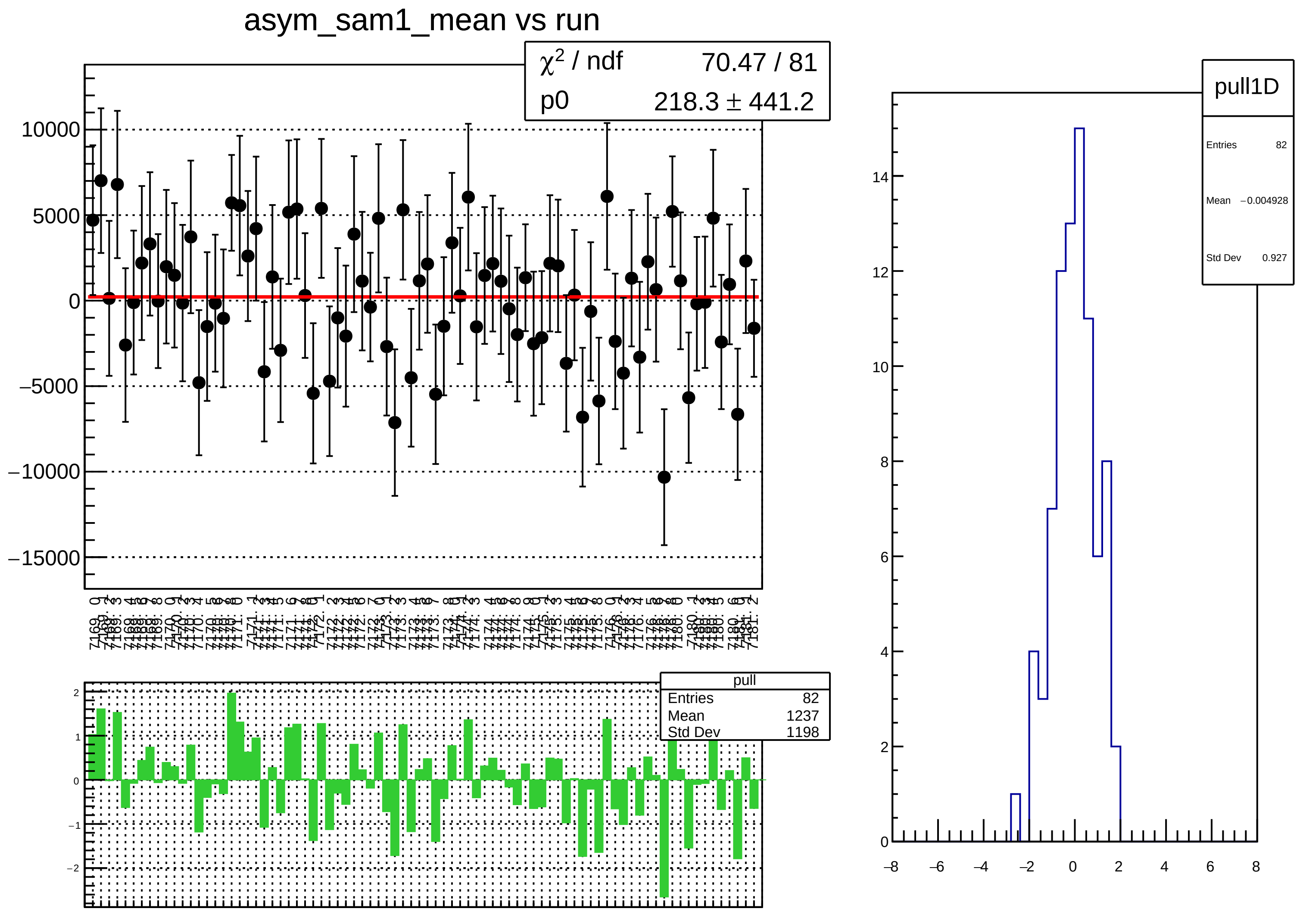

dit_asym_sam1_rms vs run
χ2 / ndf 323.9 / 81
p0 82.52 ± 0.06587
88
87
86
85
84
83
82
81
80



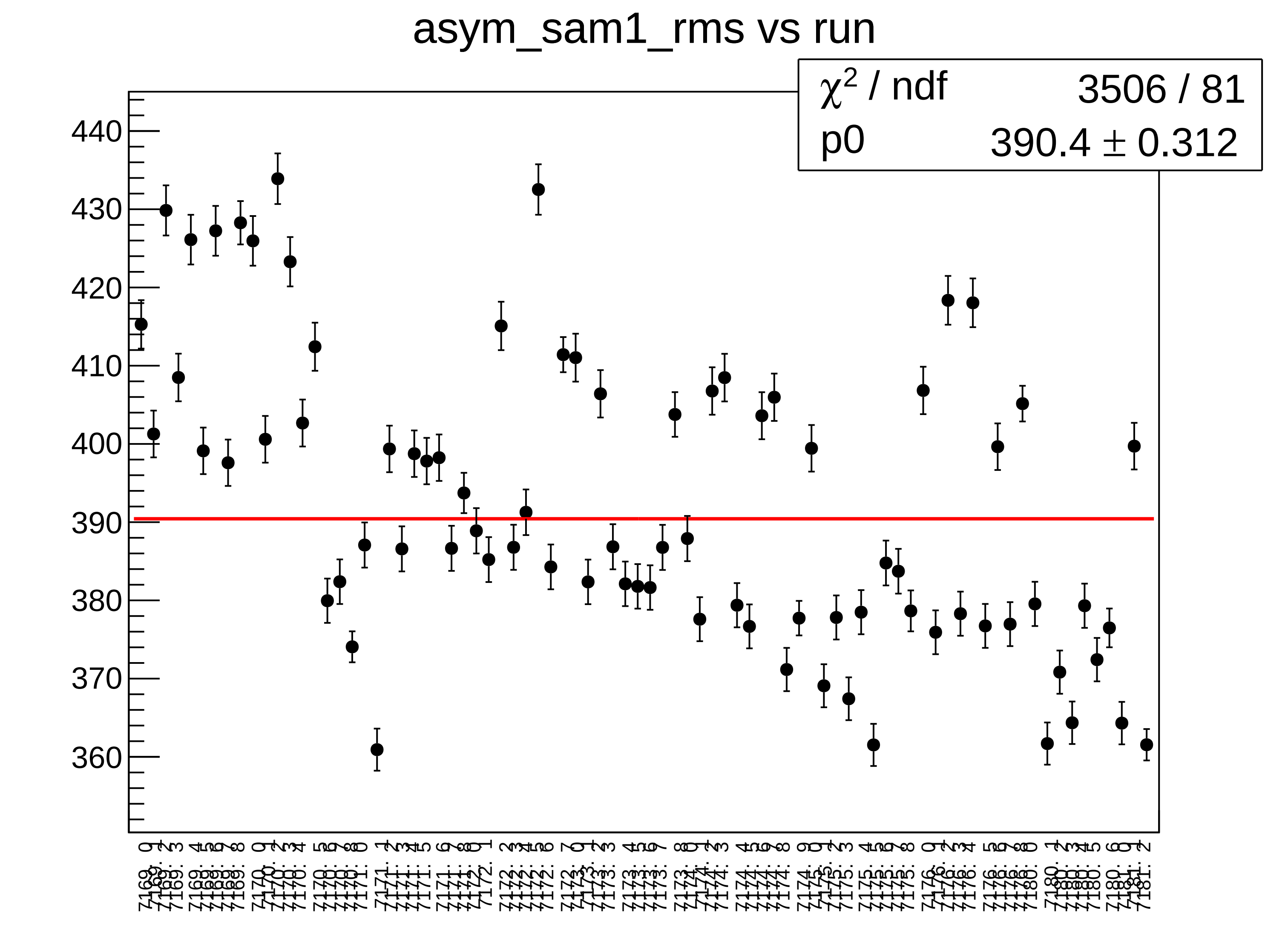
asym_sam1_correction_mean vs run
χ^2 / ndf 66.16 / 81
p0 −274.1 ± 442.5
pull
Entries 82
Mean 993.1
Std Dev 955.2
pull1D
Entries 82
Mean 0.00562
Std Dev 0.8982



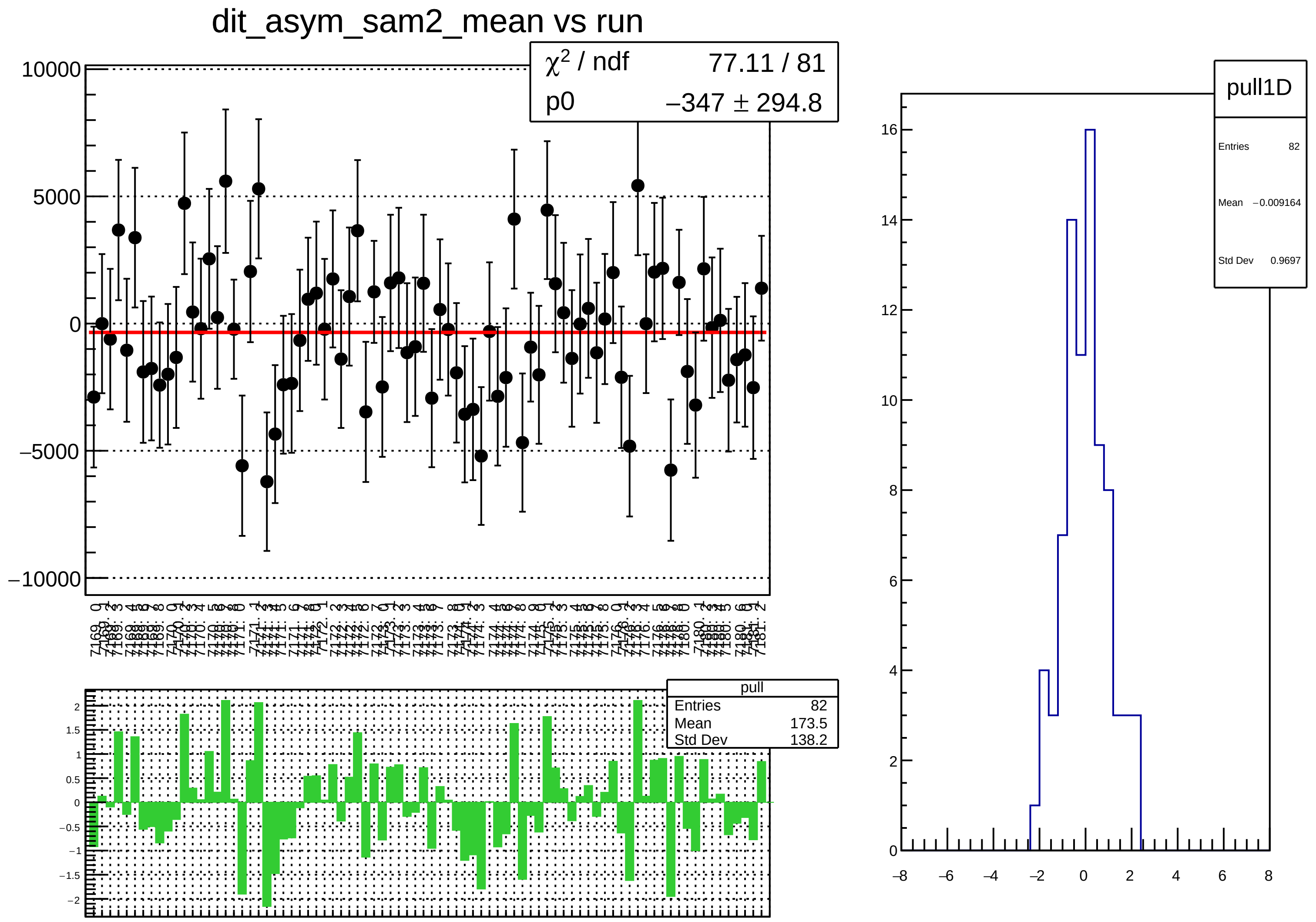
asym_sam1_correction_rms vs run
χ^2 / ndf 3663 / 81
p0 391.6 ± 0.3129
440
420
400
380
360

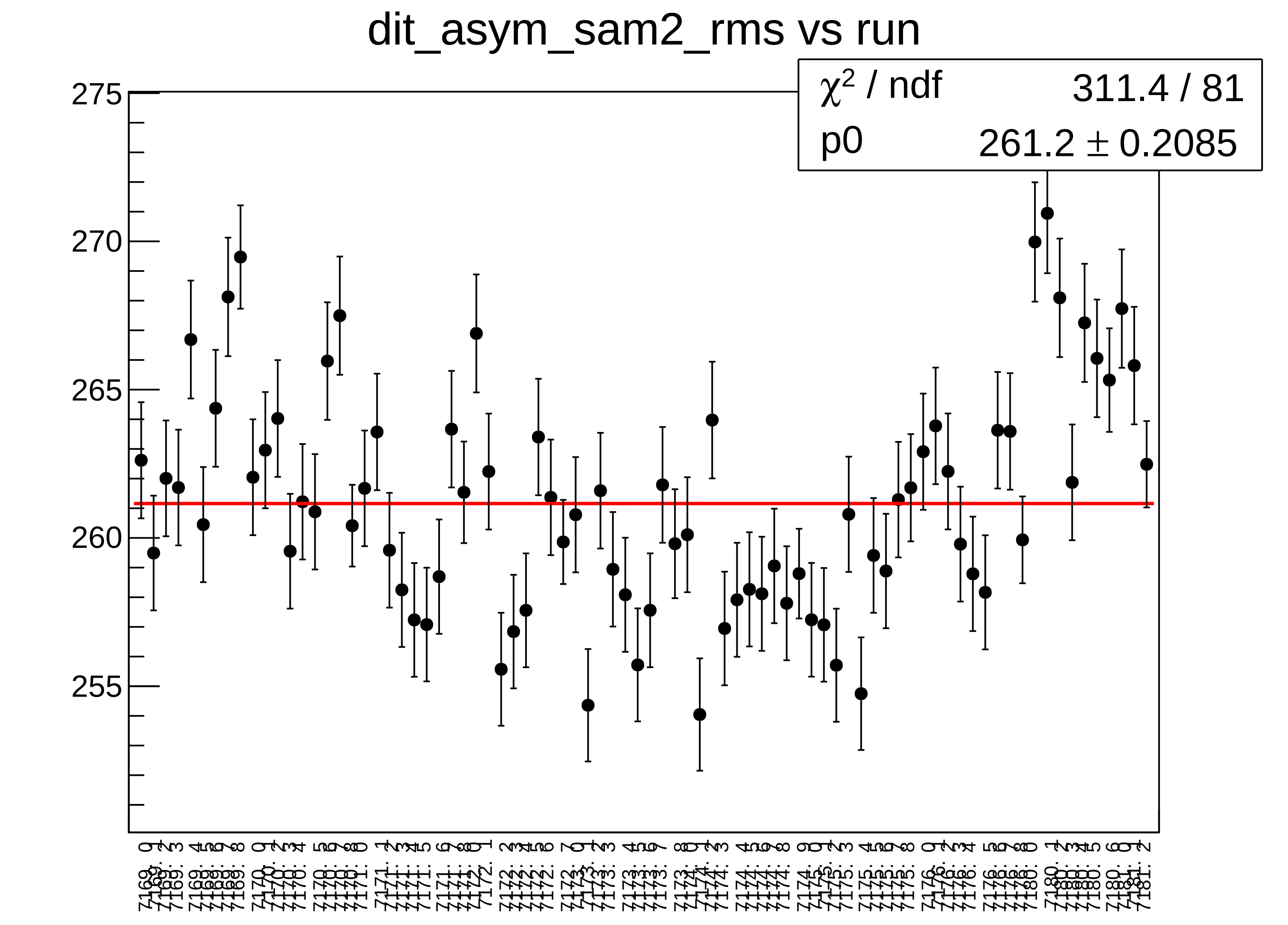


asym_sam1_mean vs run
χ2 / ndf 70.47 / 81
p0 218.3 ± 441.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 1237
Std Dev 1198
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.004928
Std Dev 0.927
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

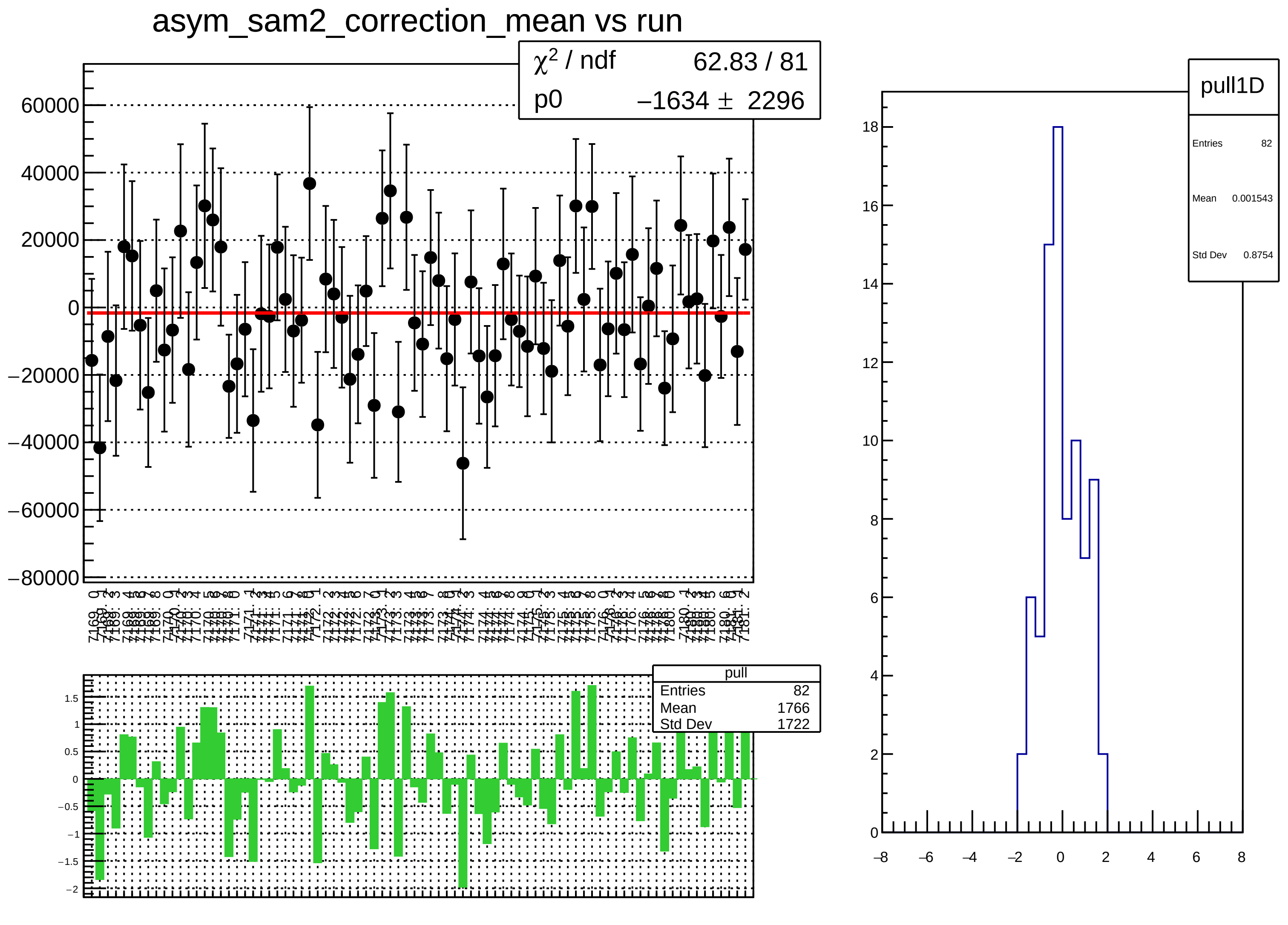


asym_sam1_rms vs run
χ^2 / ndf 3506 / 81
p0 390.4 ± 0.312
440
430
420
410
400
390
380
370
360

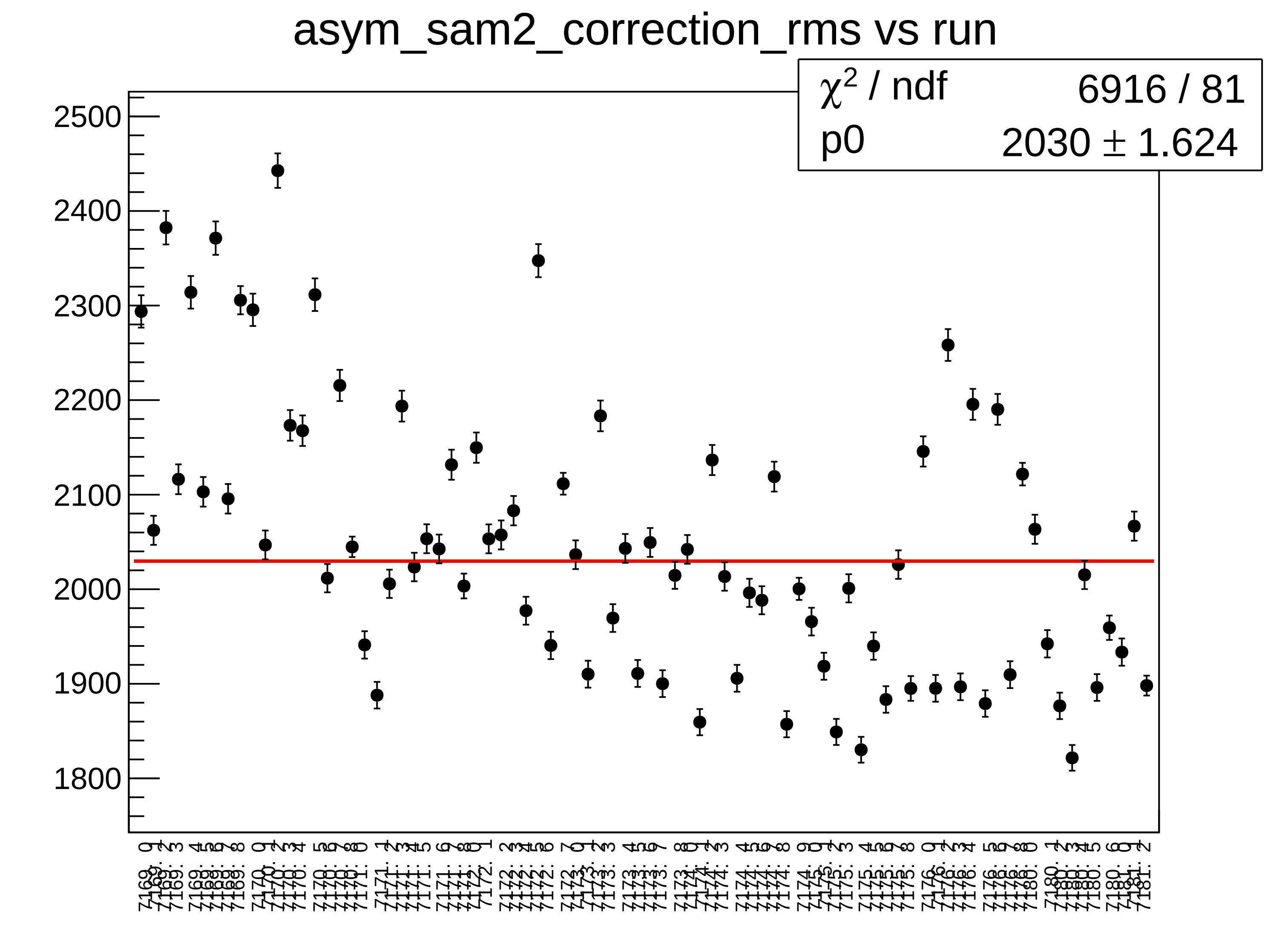

dit_asym_sam2_mean vs run
χ^2 / ndf 77.11 / 81
p0 −347 ± 294.8
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 173.5
Std Dev 138.2
pull1D
Entries 82
Mean −0.009164
Std Dev 0.9697



dit_asym_sam2_rms vs run
χ^2 / ndf 311.4 / 81
p0 261.2 ± 0.2085
275
270
265
260
255

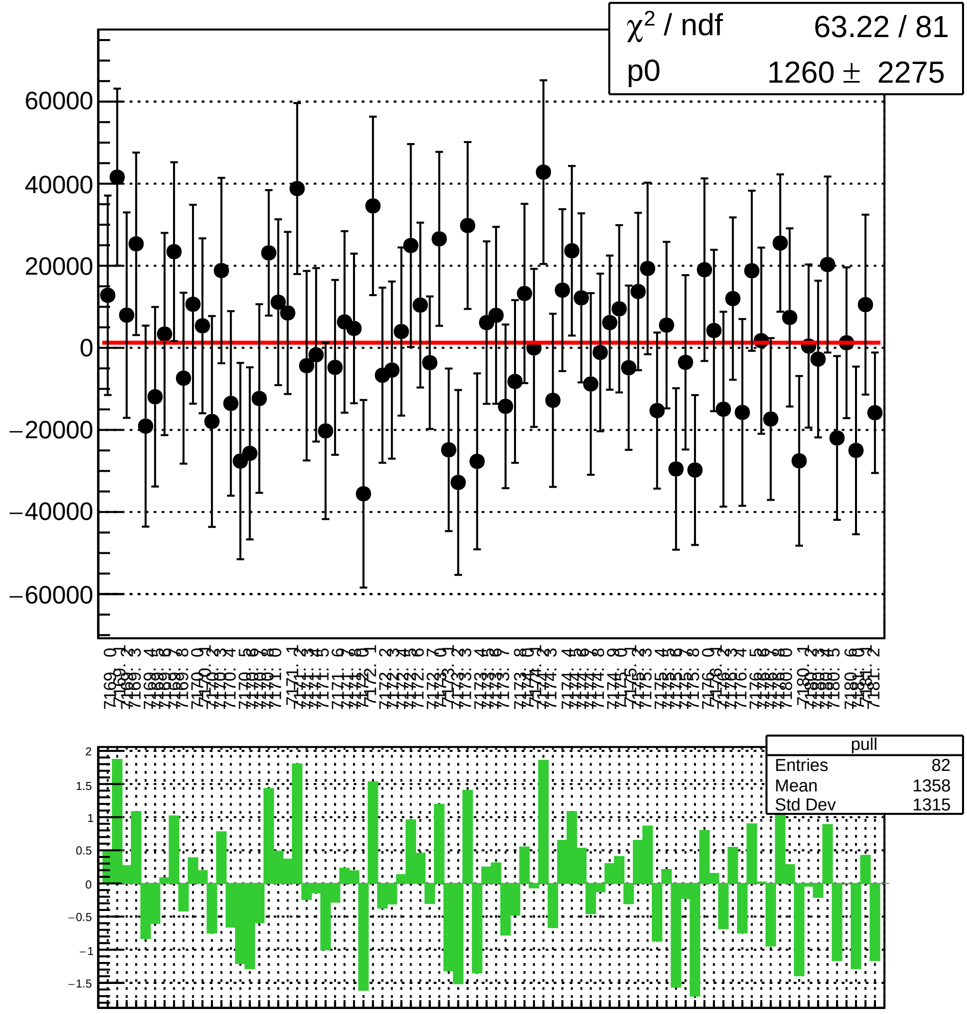


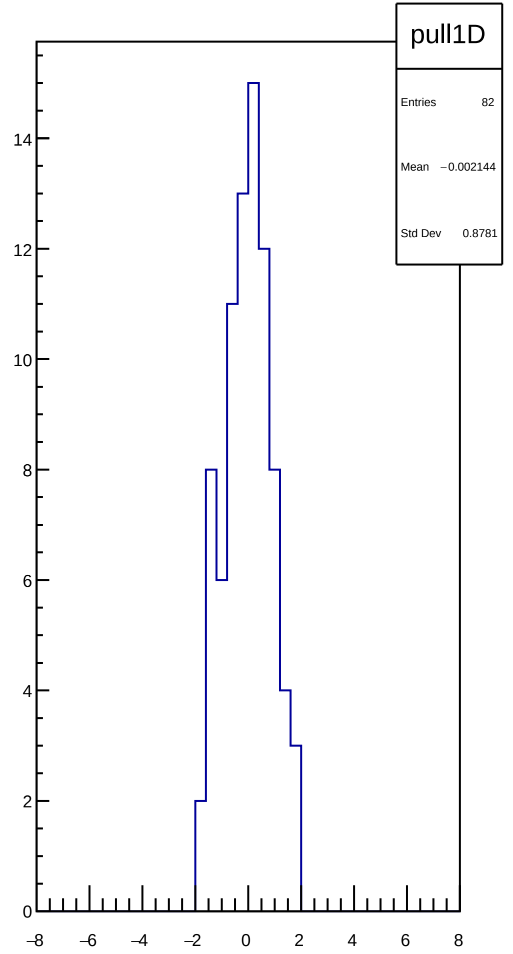
asym_sam2_correction_mean vs run
χ^2 / ndf 62.83 / 81
p0 −1634 ± 2296
pull
Entries 82
Mean 1766
Std Dev 1722
pull1D
Entries 82
Mean 0.001543
Std Dev 0.8754

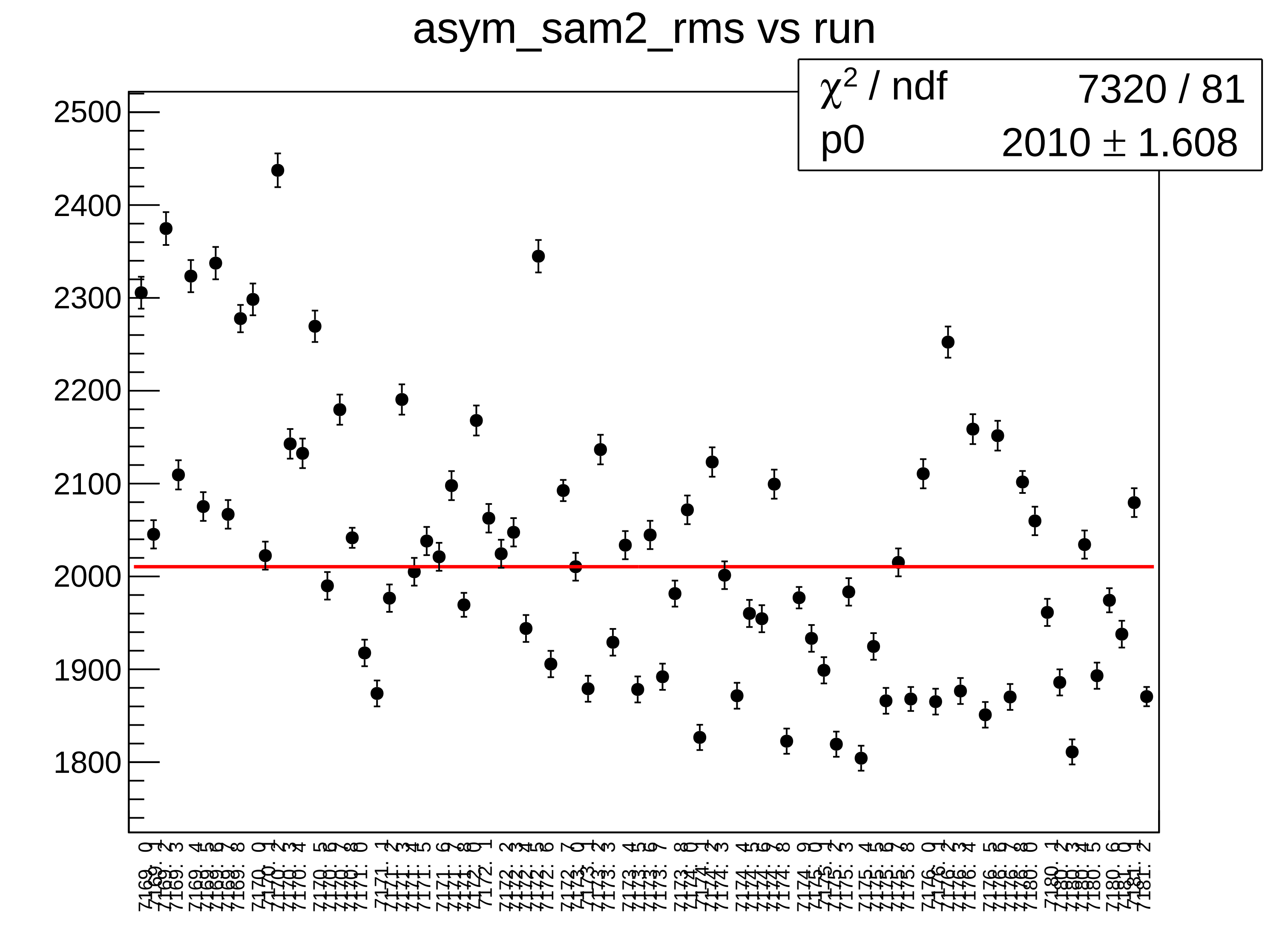


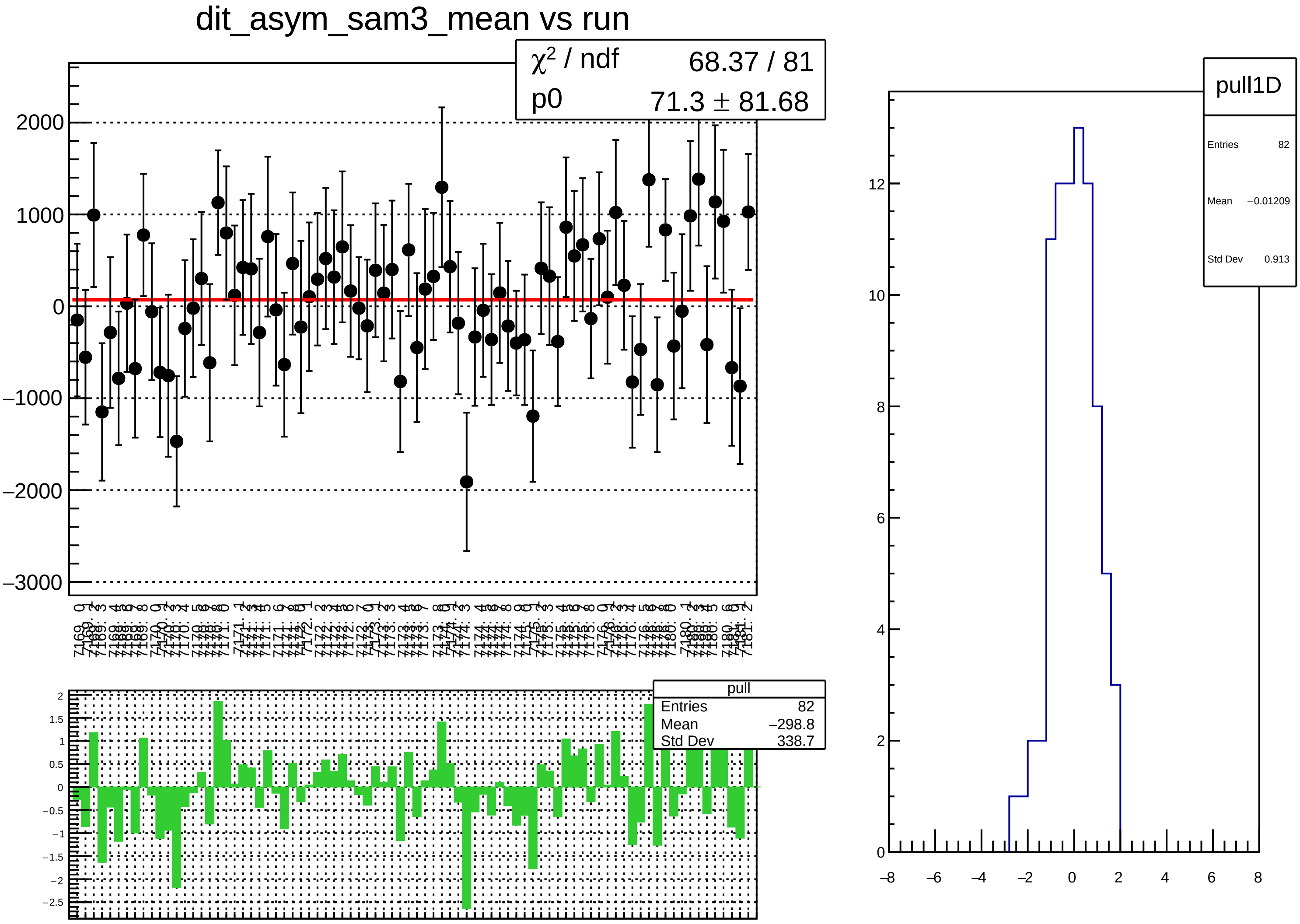
asym_sam2_correction_rms vs run
χ^2 / ndf 6916 / 81
p0 2030 ± 1.624
2500
2400
2300
2200
2100
2000
1900
1800

asym_sam2_mean vs run

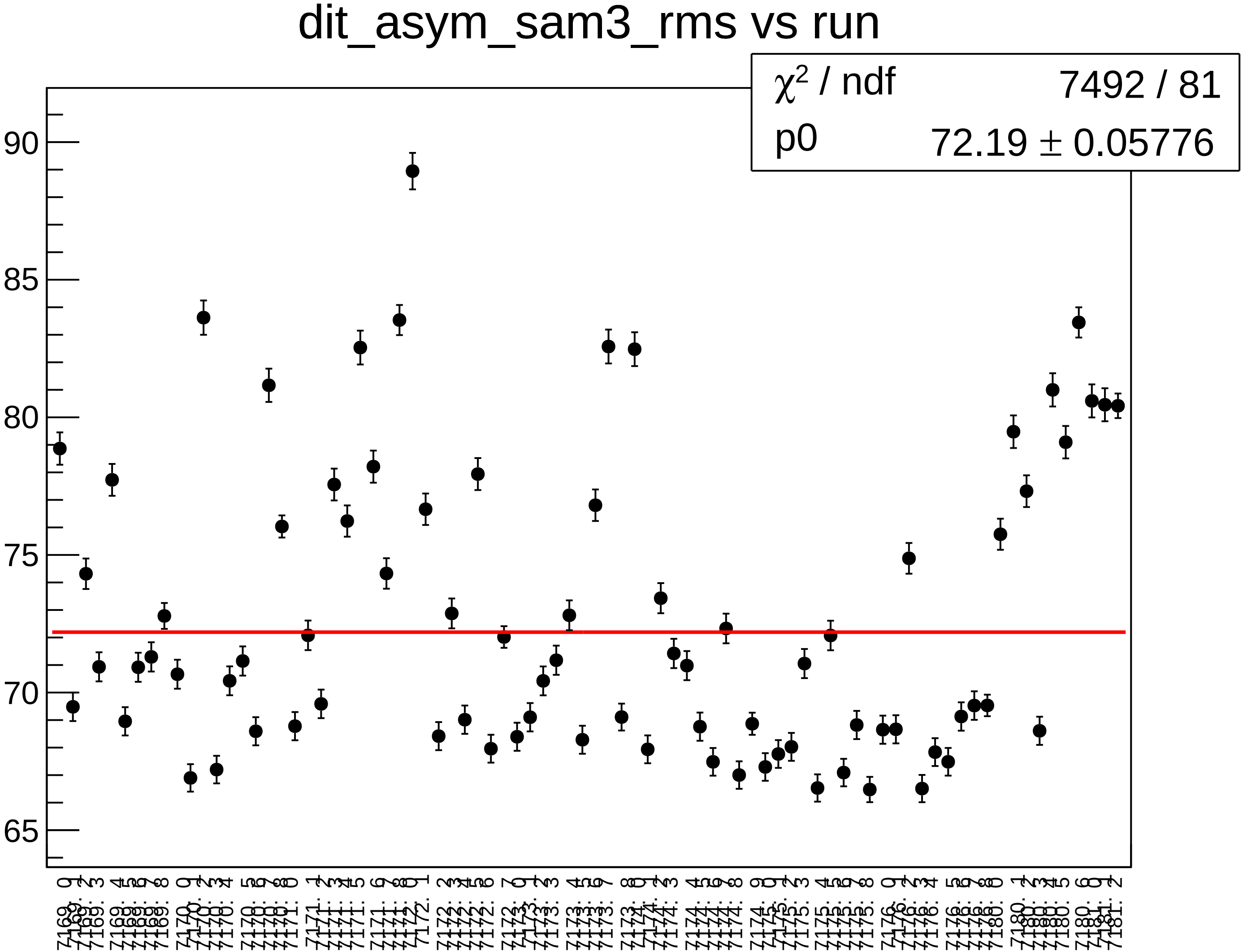


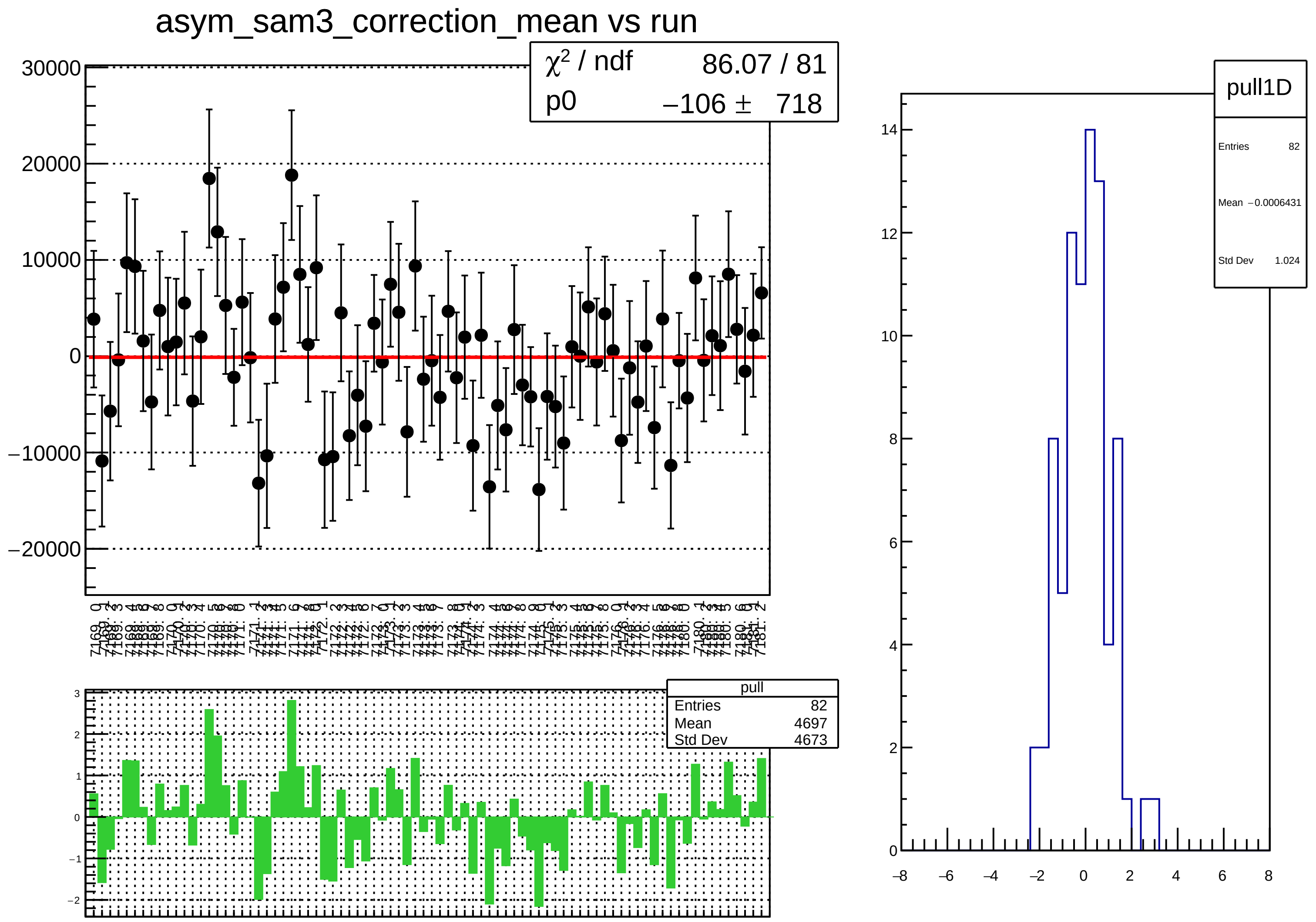



asym_sam2_rms vs run
χ2 / ndf 7320 / 81
p0 2010 ± 1.608
2500
2400
2300
2200
2100
2000
1900
1800

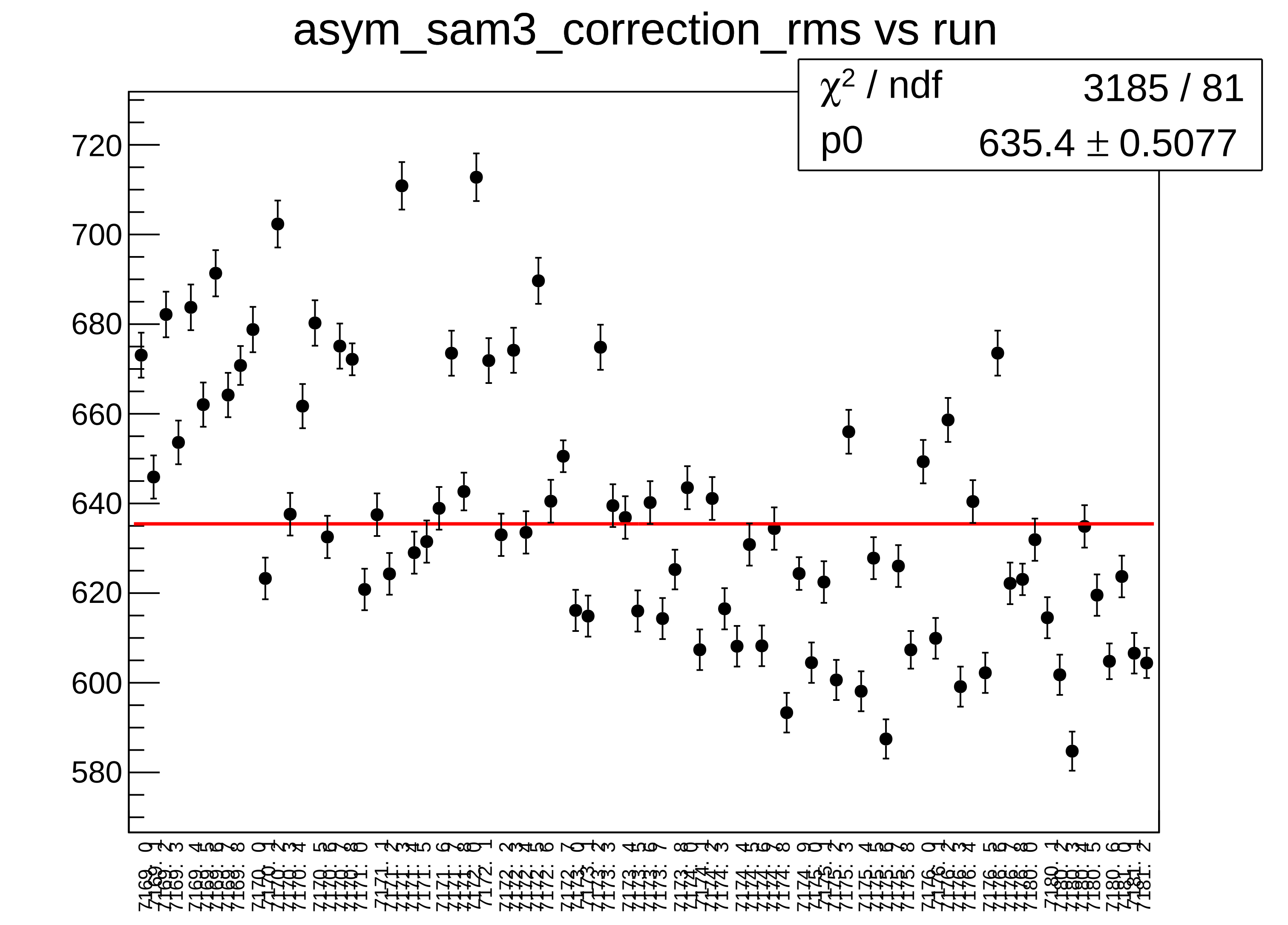


dit_asym_sam3_mean vs run
χ^2 / ndf 68.37 / 81
p0 71.3 ± 81.68
pull
Entries 82
Mean −298.8
Std Dev 338.7
pull1D
Entries 82
Mean −0.01209
Std Dev 0.913

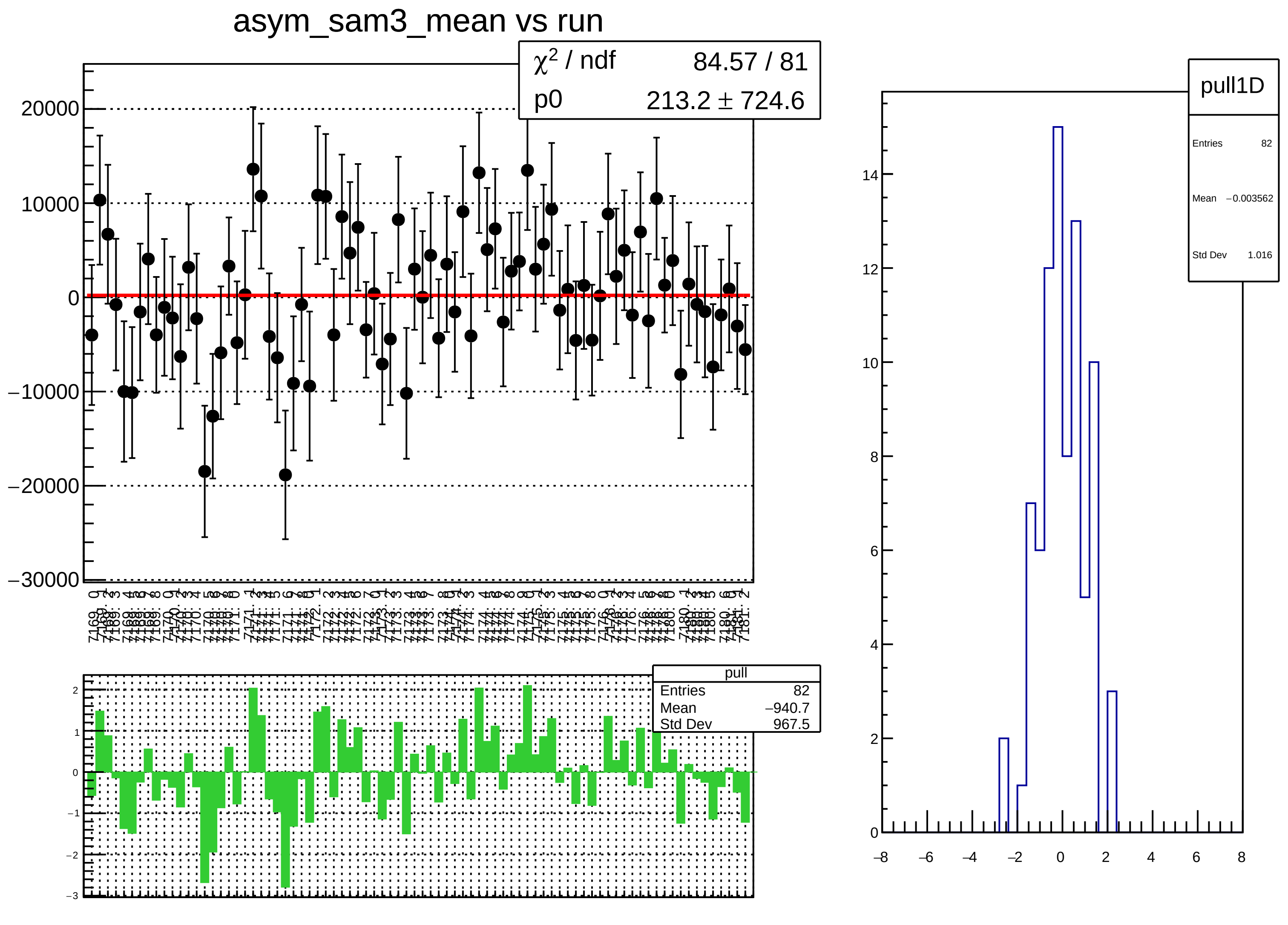

dit_asym_sam3_rms vs run
χ2 / ndf 7492 / 81
p0 72.19 ± 0.05776
90
85
80
75
70
65



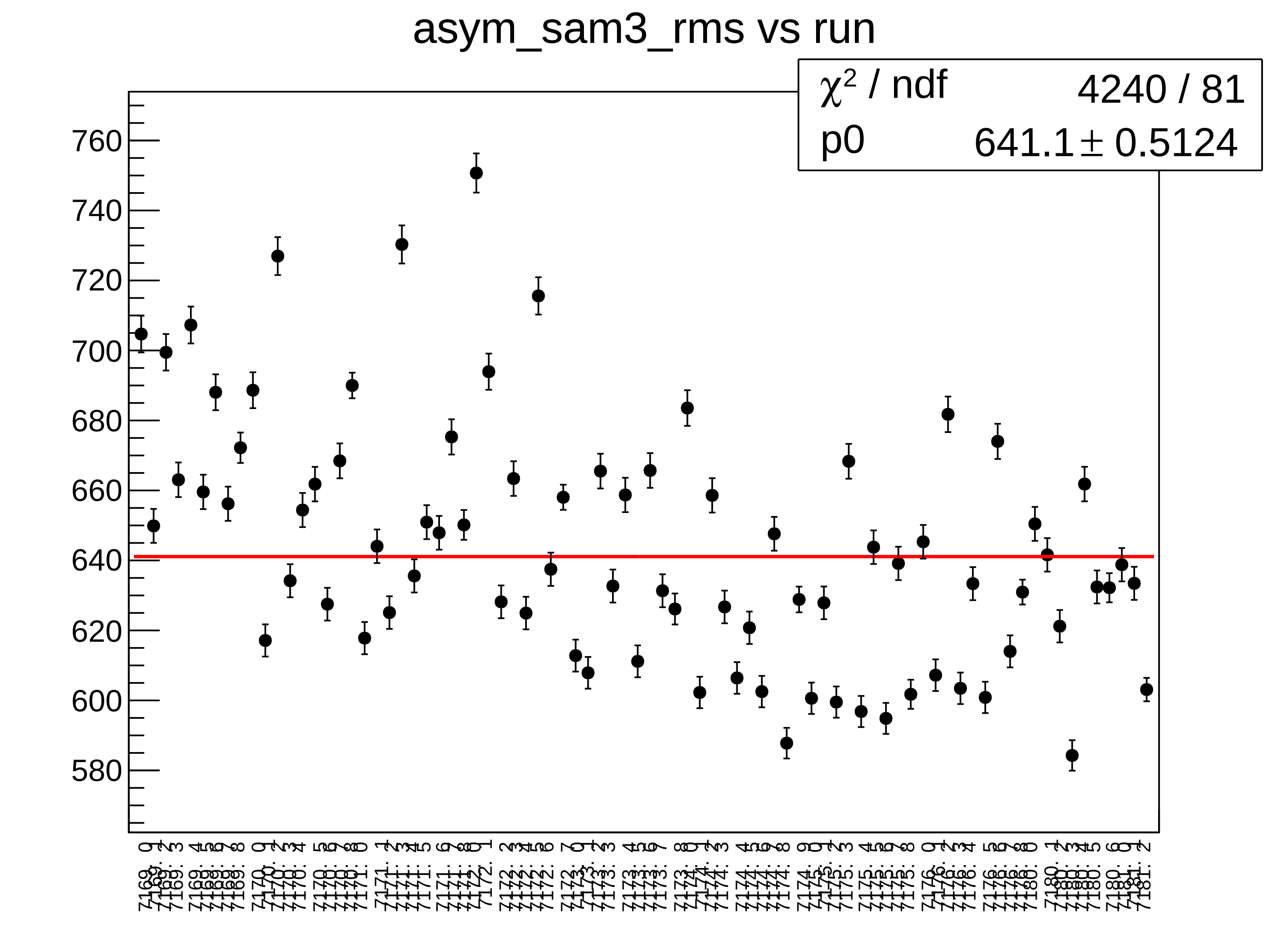
asym_sam3_correction_mean vs run
χ2 / ndf 86.07 / 81
p0 −106 ± 718
pull
Entries 82
Mean 4697
Std Dev 4673
pull1D
Entries 82
Mean −0.0006431
Std Dev 1.024



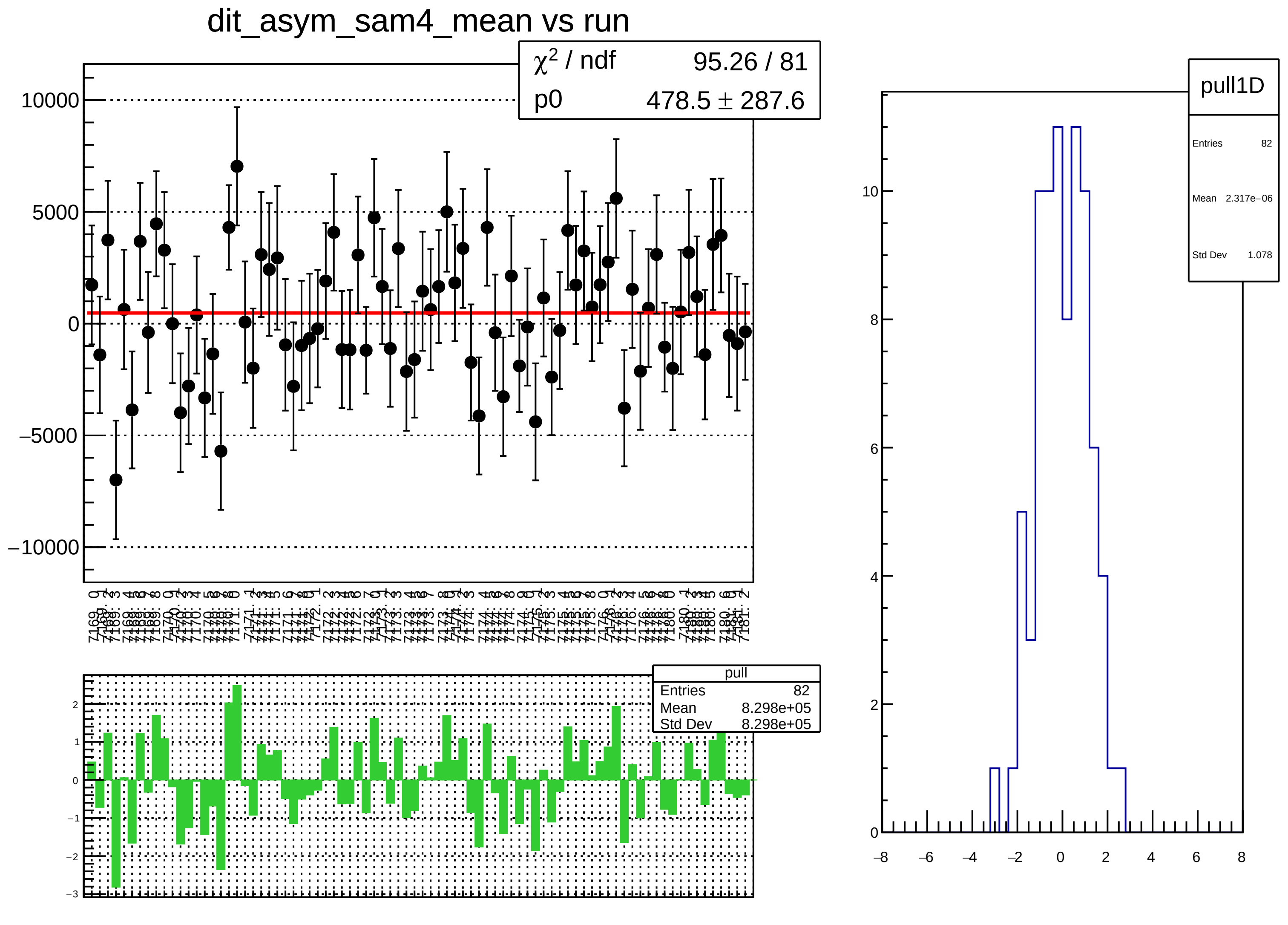
asym_sam3_correction_rms vs run
χ2 / ndf 3185 / 81
p0 635.4 ± 0.5077
720
700
680
660
640
620
600
580



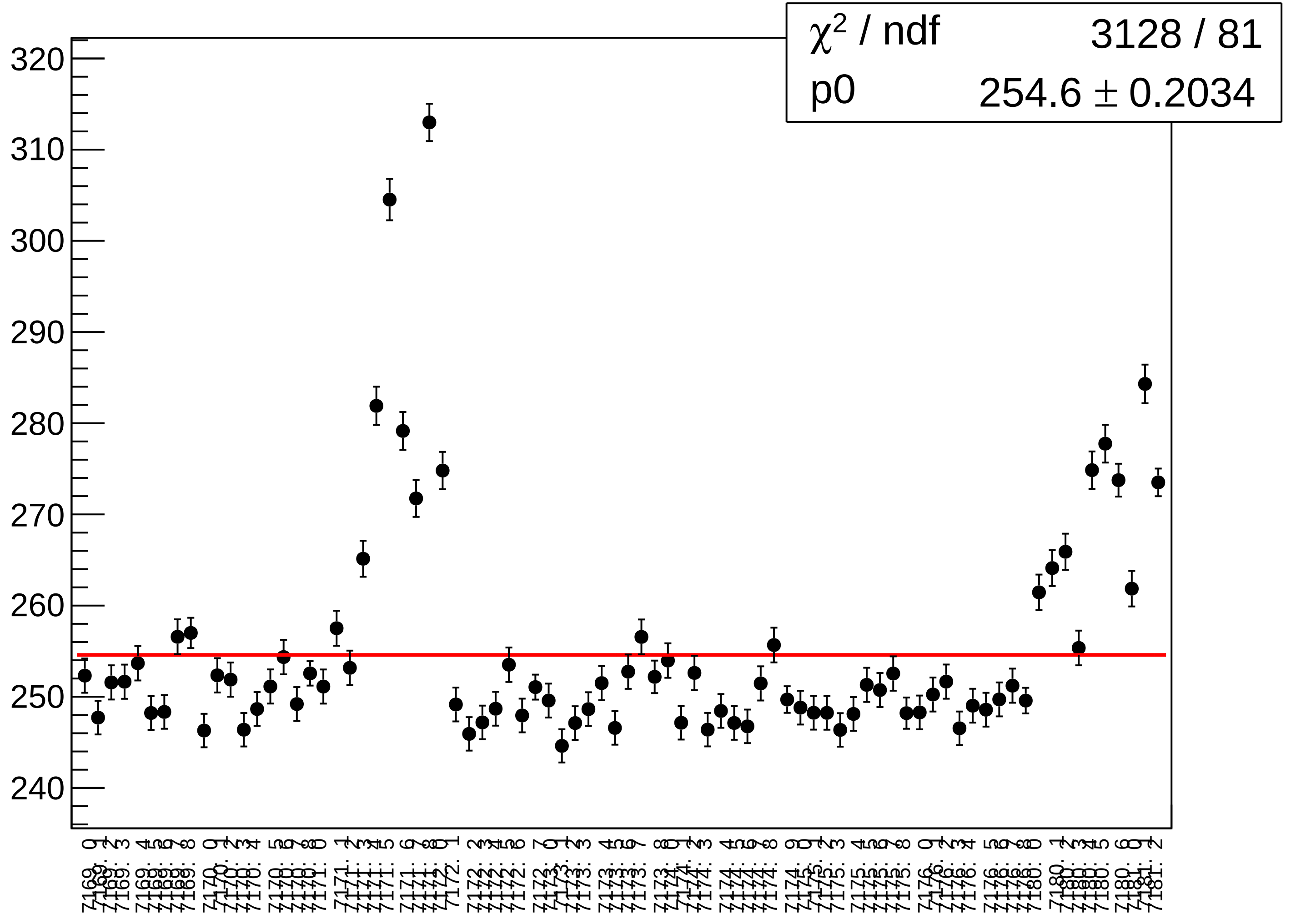
asym_sam3_mean vs run
χ^2 / ndf 84.57 / 81
p0 213.2 ± 724.6
pull
Entries 82
Mean −940.7
Std Dev 967.5
pull1D
Entries 82
Mean −0.003562
Std Dev 1.016

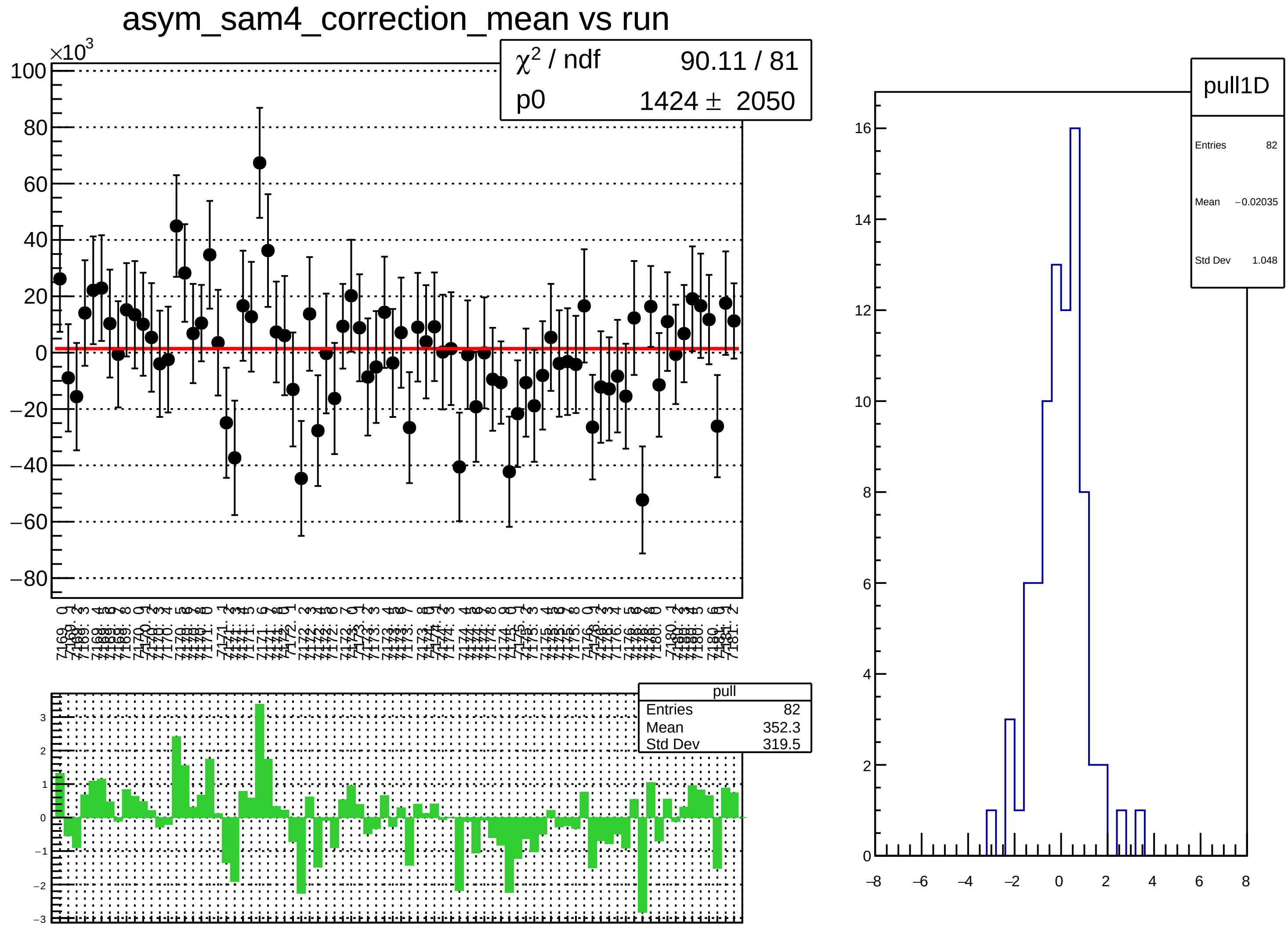


asym_sam3_rms vs run
χ^2 / ndf 4240 / 81
p0 641.1 ± 0.5124
760
740
720
700
680
660
640
620
600
580

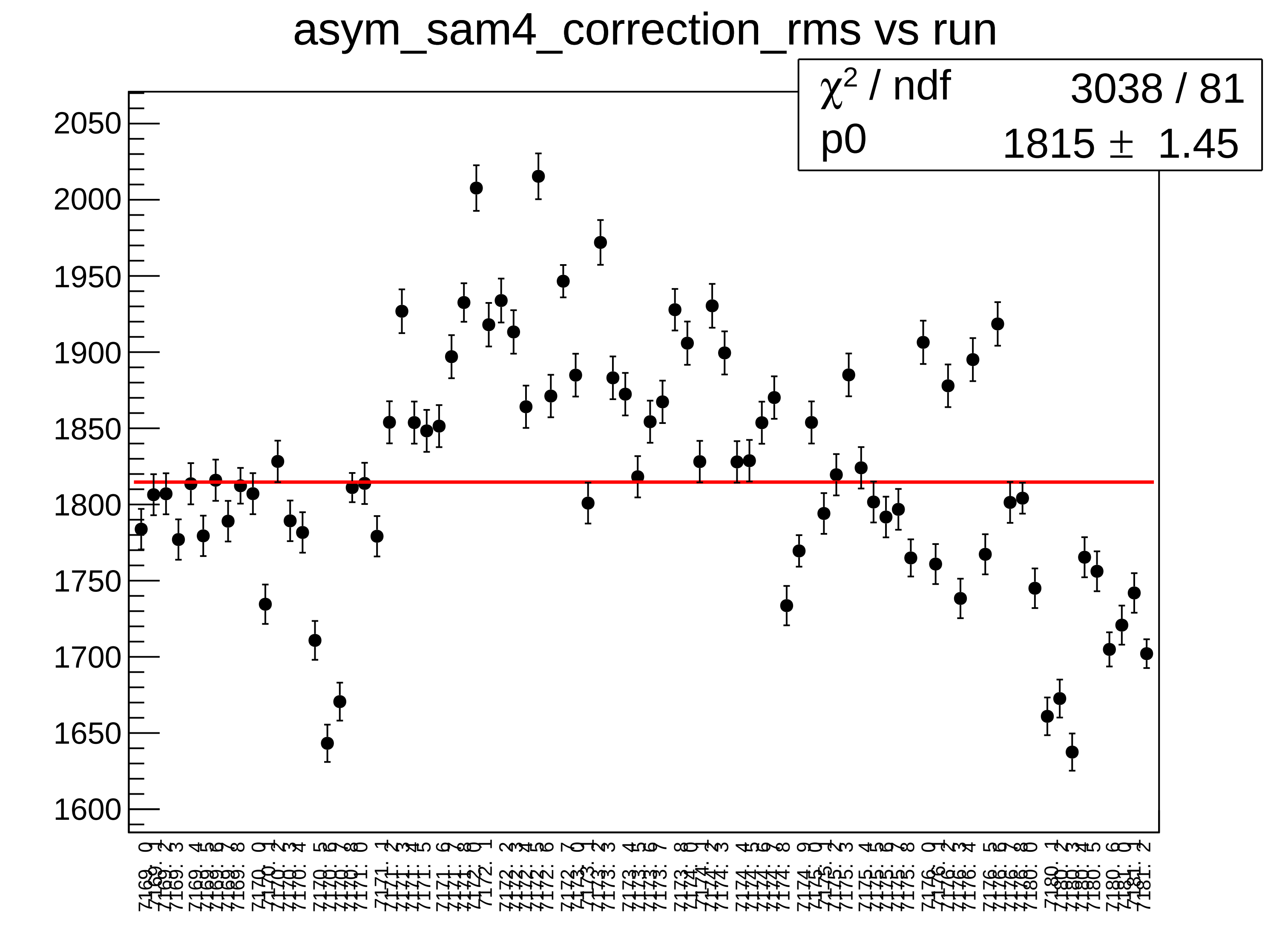

dit_asym_sam4_mean vs run
χ^2 / ndf 95.26 / 81
p0 478.5 ± 287.6
pull
Entries 82
Mean 8.298e+05
Std Dev 8.298e+05
pull1D
Entries 82
Mean 2.317e−06
Std Dev 1.078

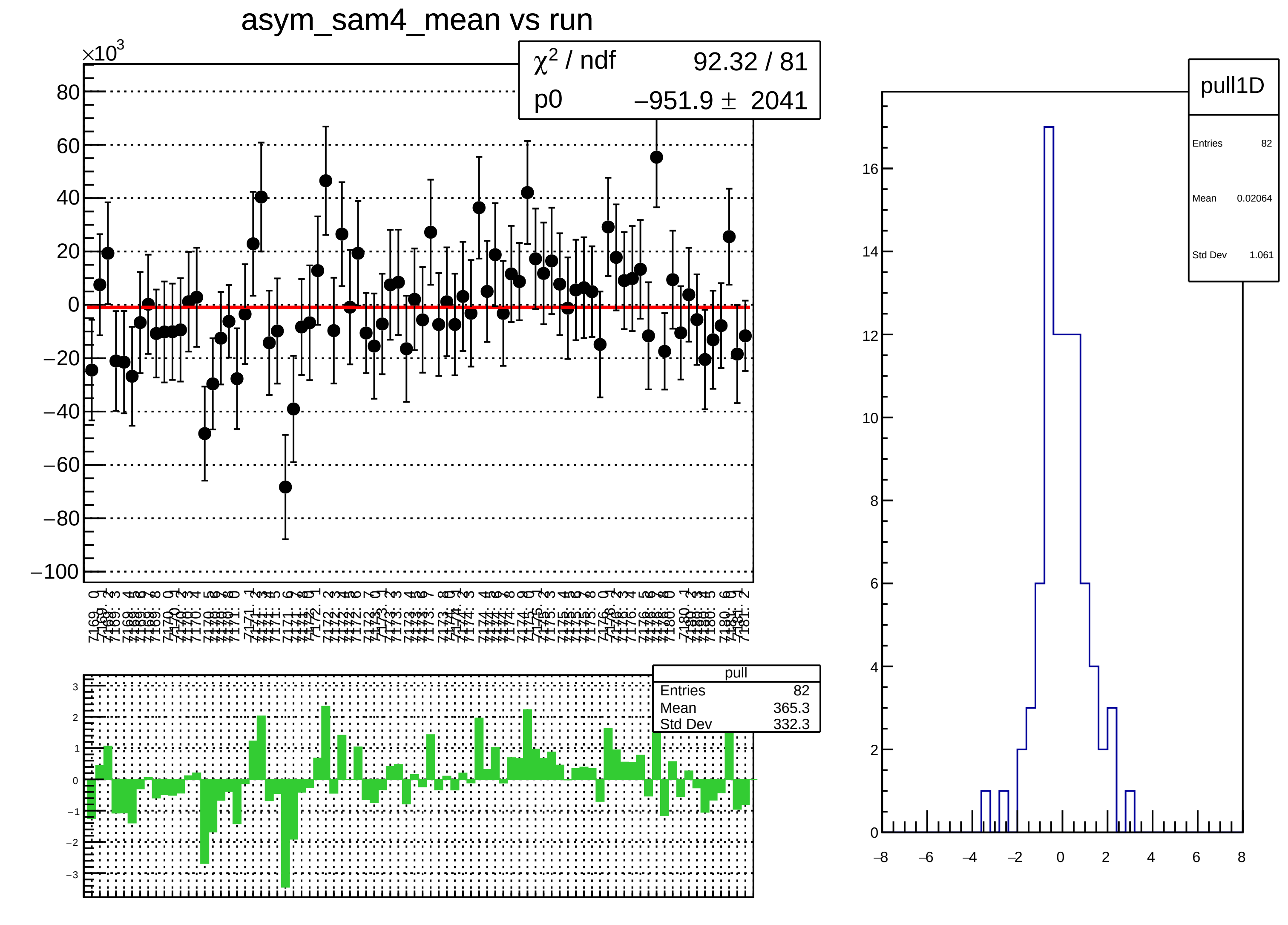
dit_asym_sam4_rms vs run

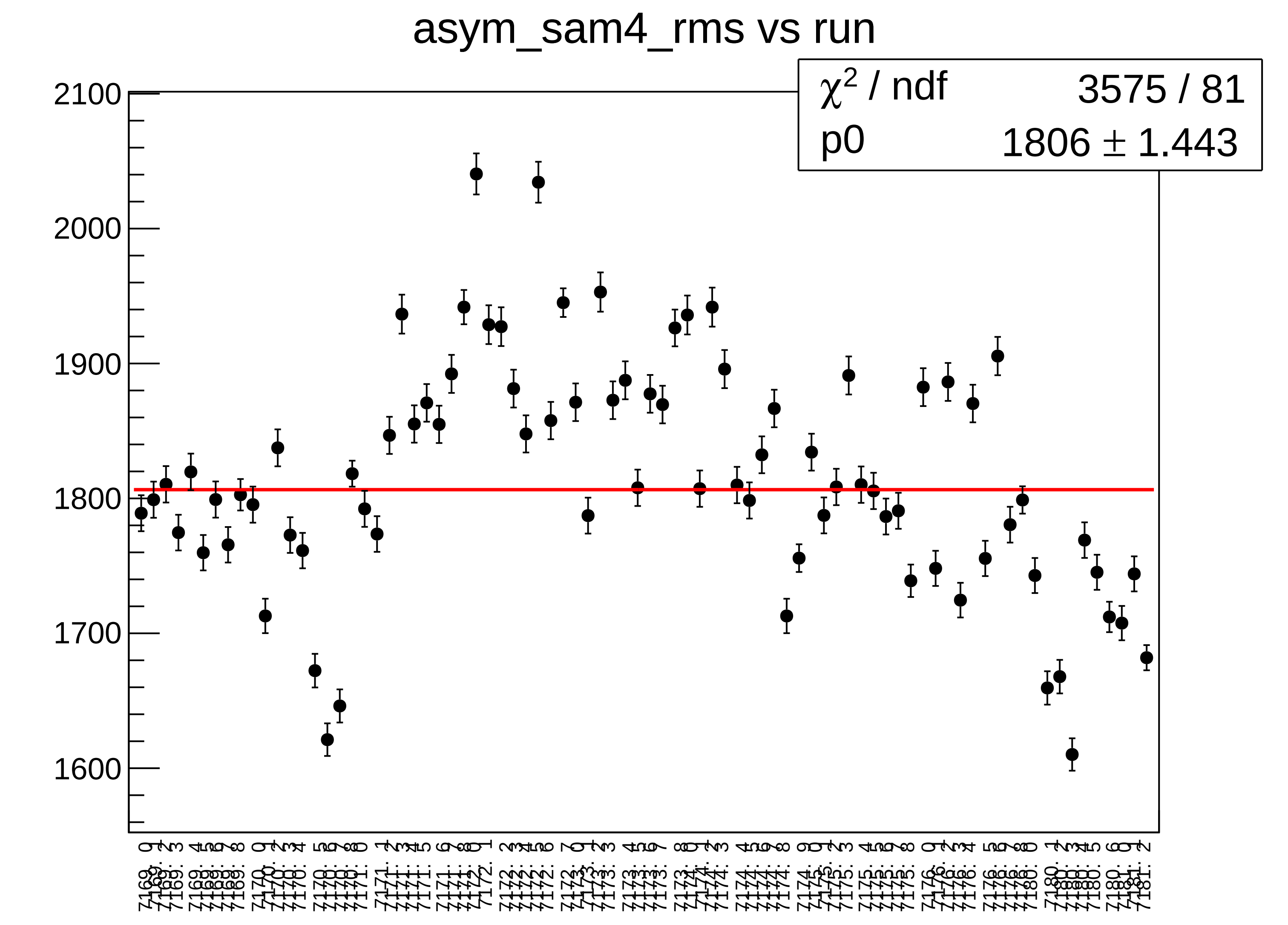


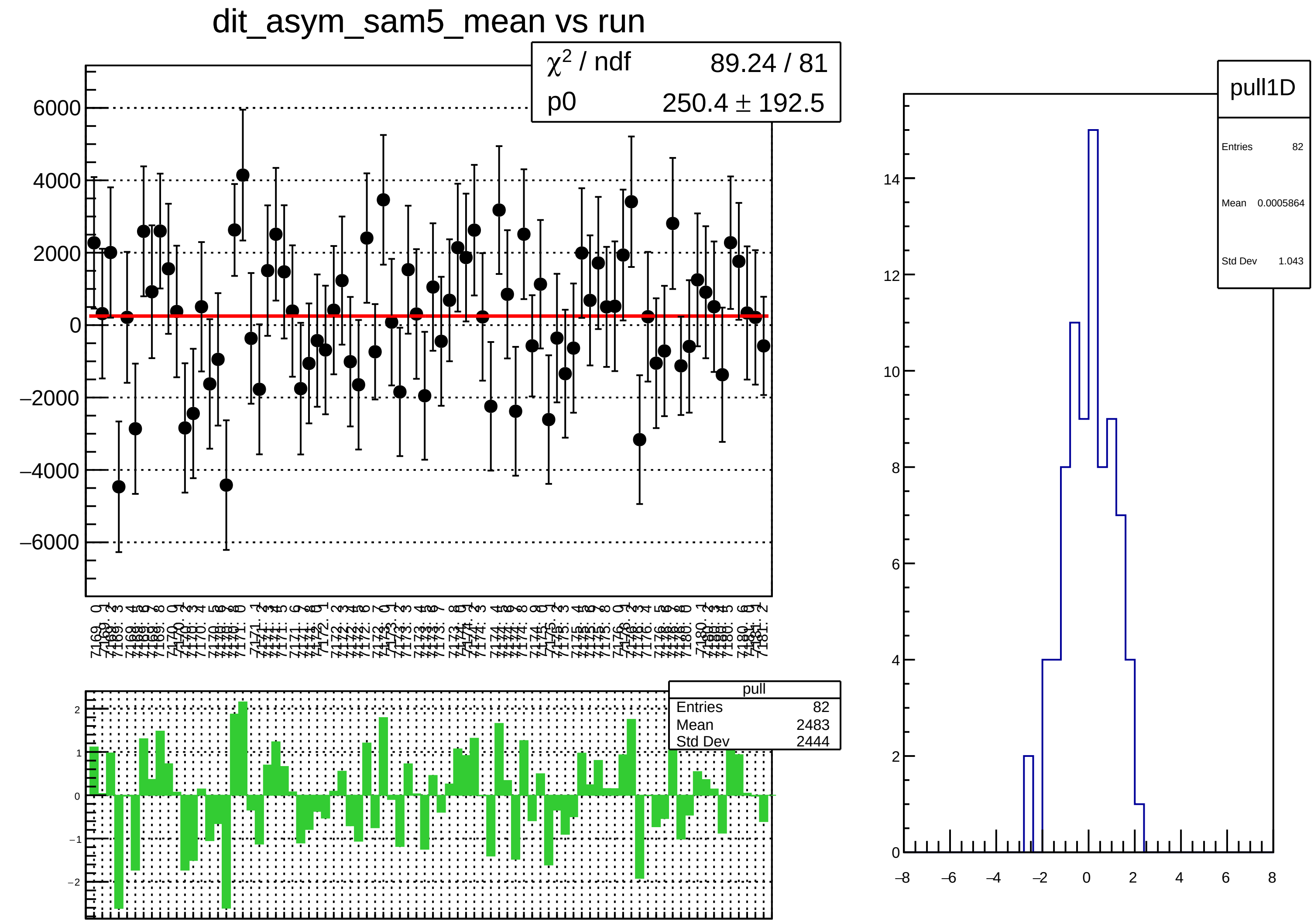


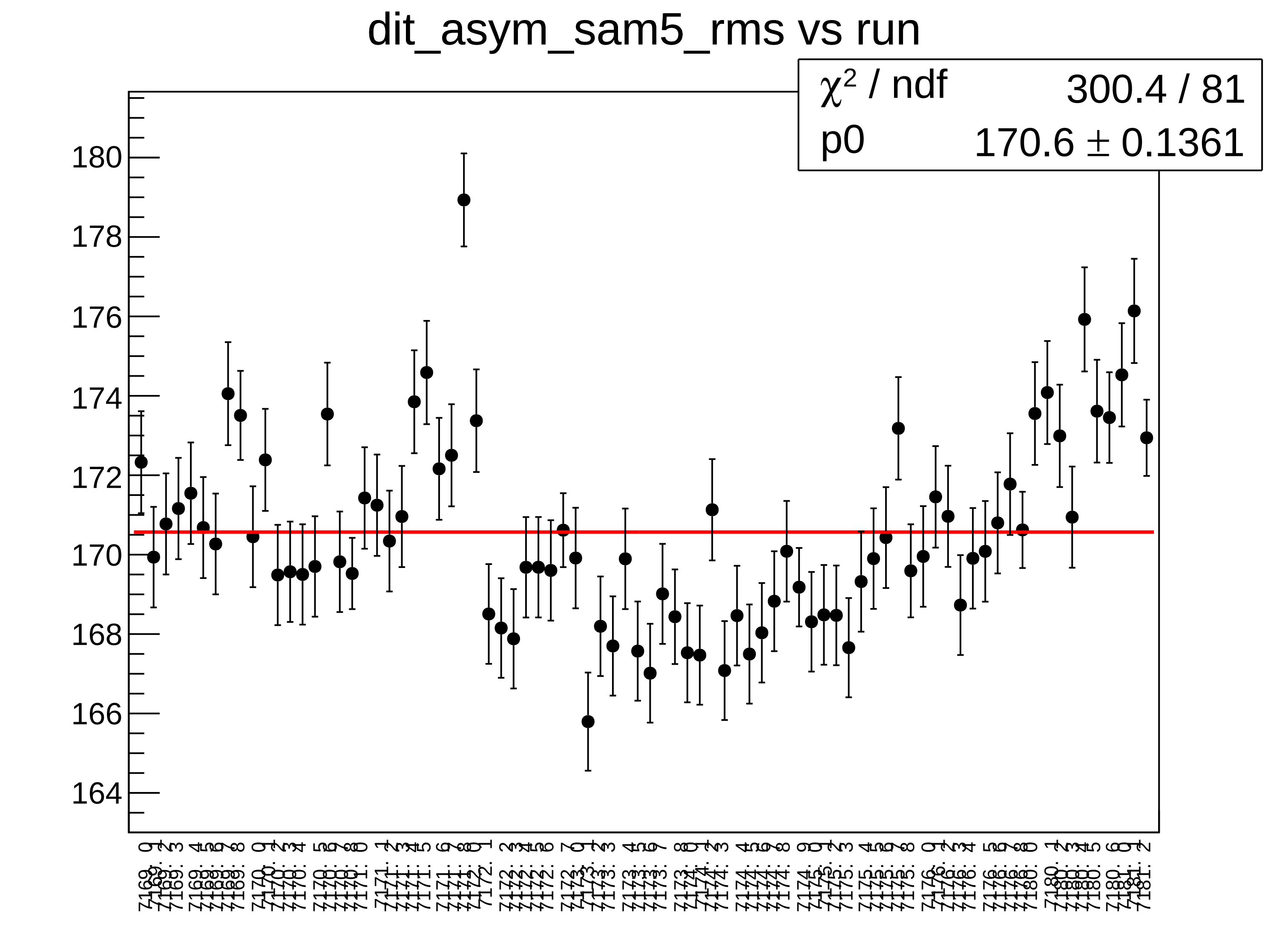
asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 90.11 / 81
p0 1424 ± 2050
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 82
Mean 352.3
Std Dev 319.5
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.02035
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_correction_rms vs run
χ^2 / ndf 3038 / 81
p0 1815 ± 1.45
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600

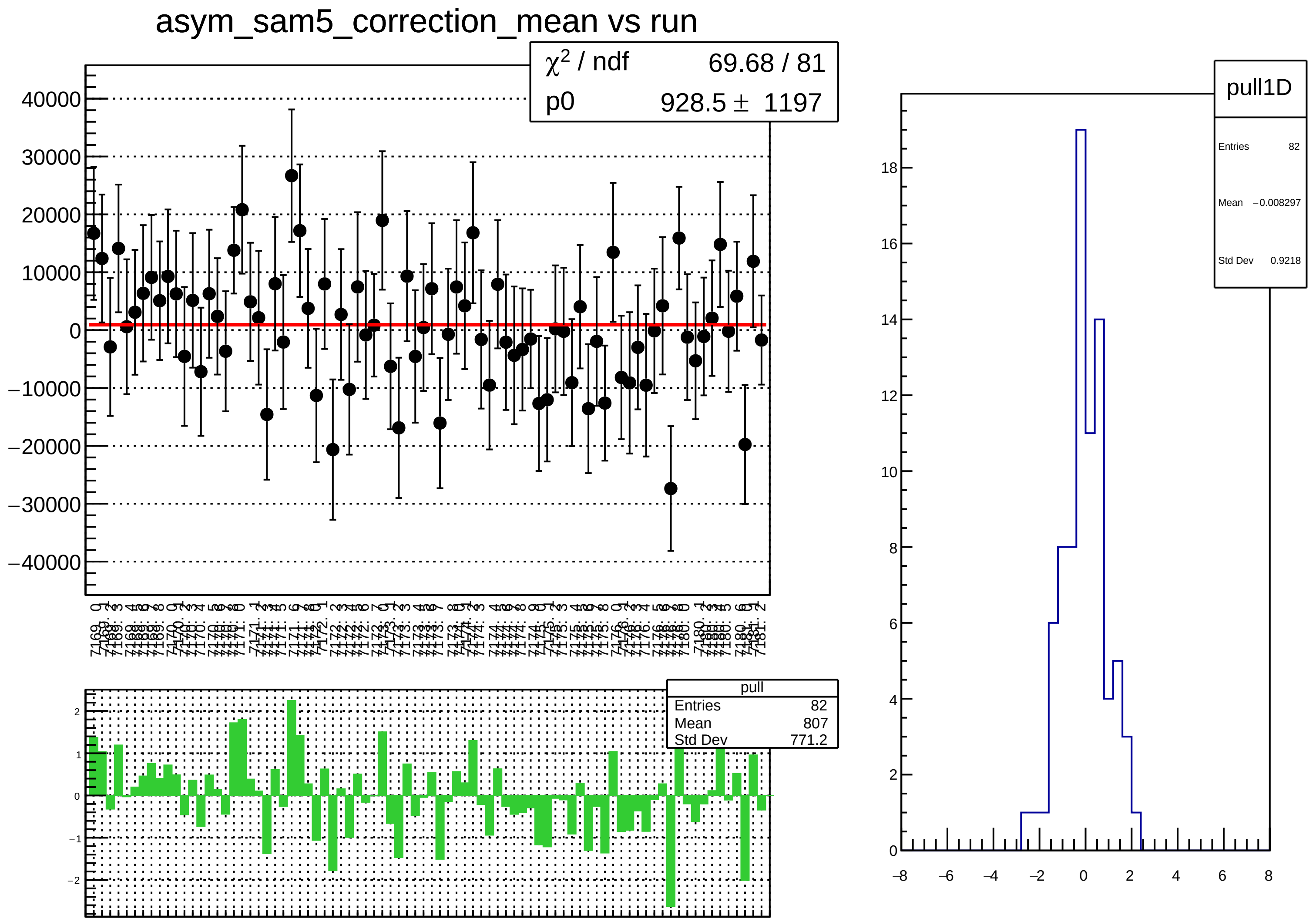

asym_sam4_mean vs run
$\times 10^3$
χ^2 / ndf 92.32 / 81
p0 −951.9 ± 2041
pull
Entries 82
Mean 365.3
Std Dev 332.3
pull1D
Entries 82
Mean 0.02064
Std Dev 1.061


asym_sam4_rms vs run
χ2 / ndf 3575 / 81
p0 1806 ± 1.443
2100
2000
1900
1800
1700
1600

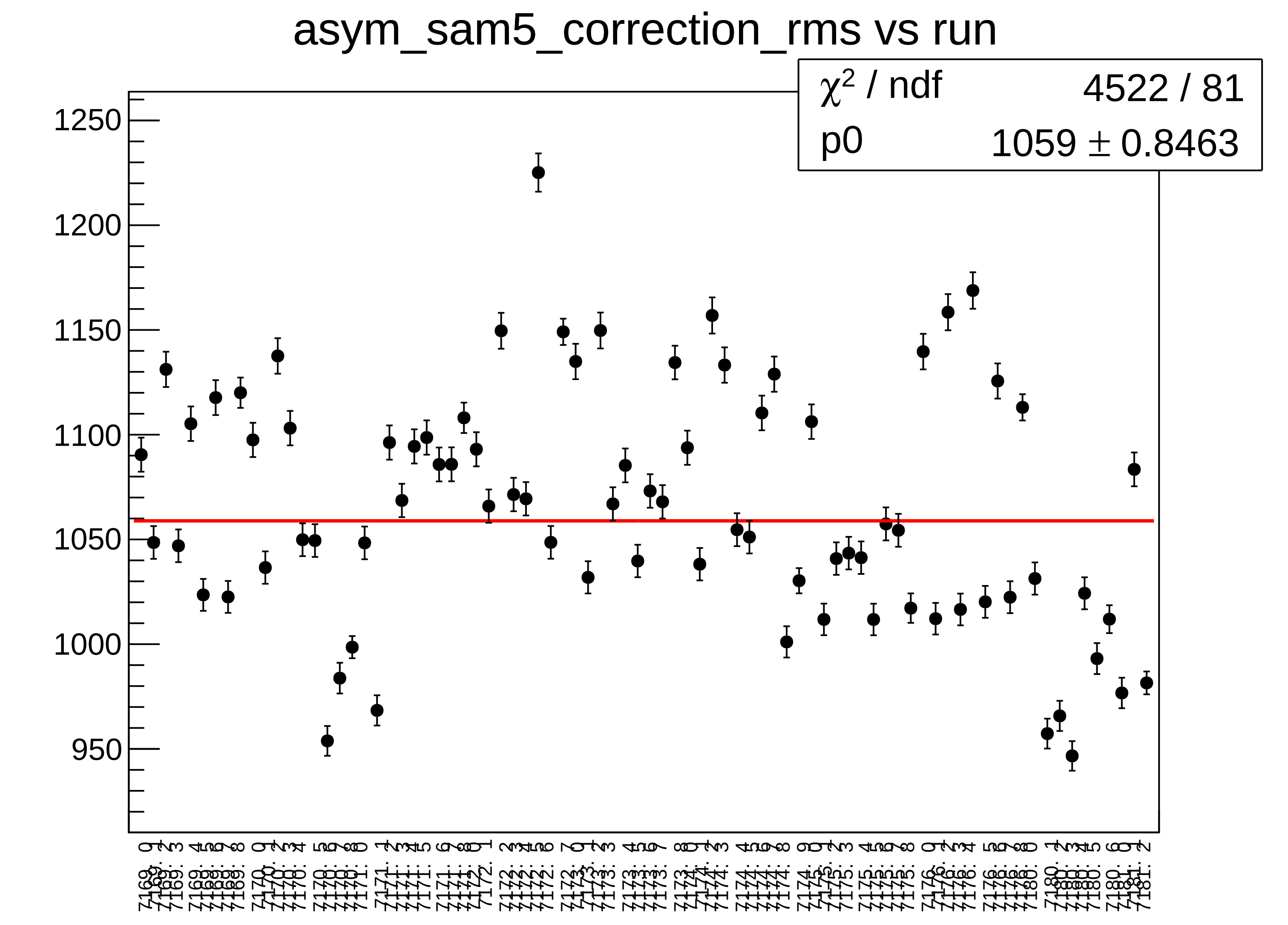

dit_asym_sam5_mean vs run
χ^2 / ndf 89.24 / 81
p0 250.4 ± 192.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 2483
Std Dev 2444
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0005864
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

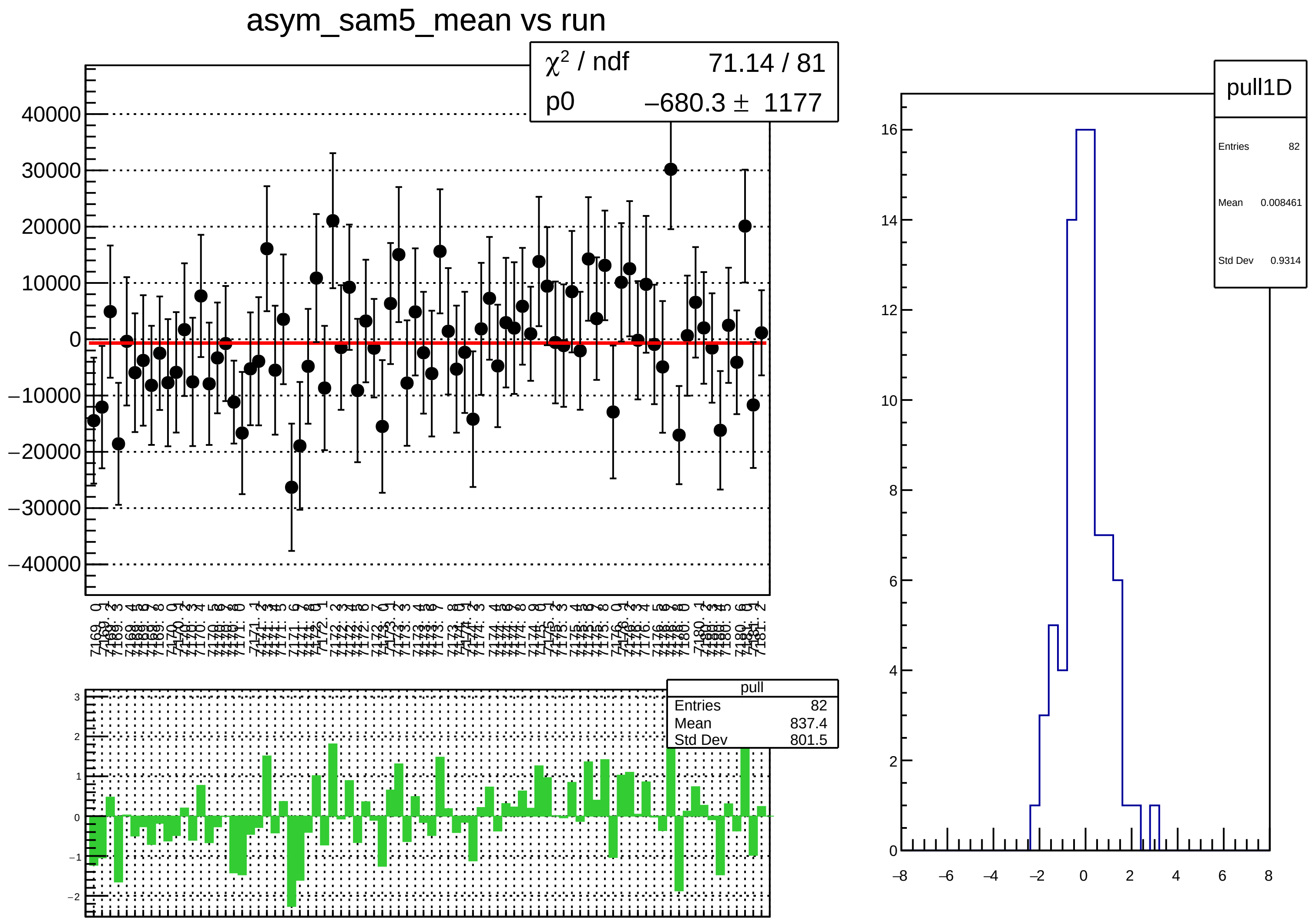


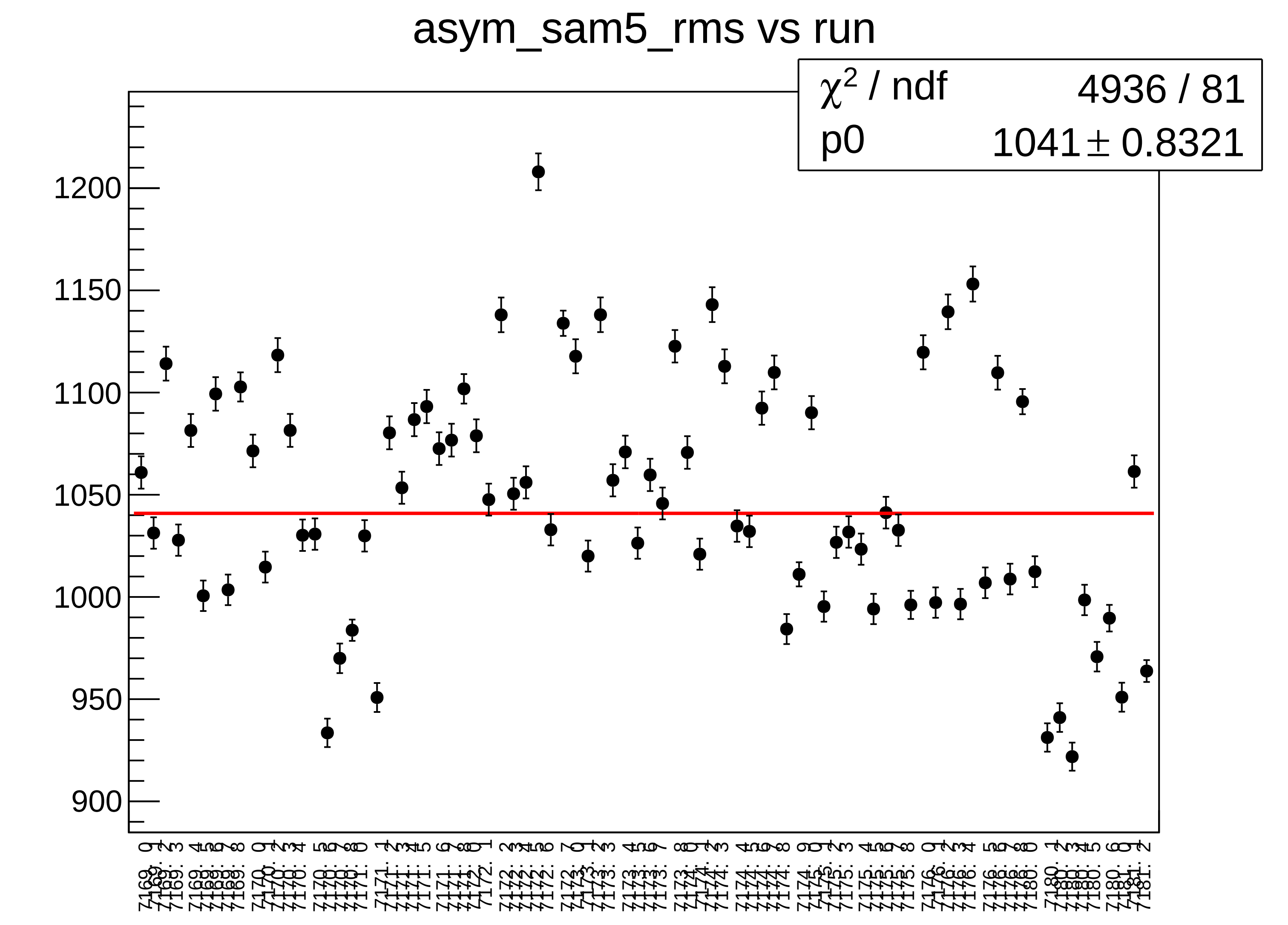
dit_asym_sam5_rms vs run
χ^2 / ndf 300.4 / 81
p0 170.6 ± 0.1361
180
178
176
174
172
170
168
166
164



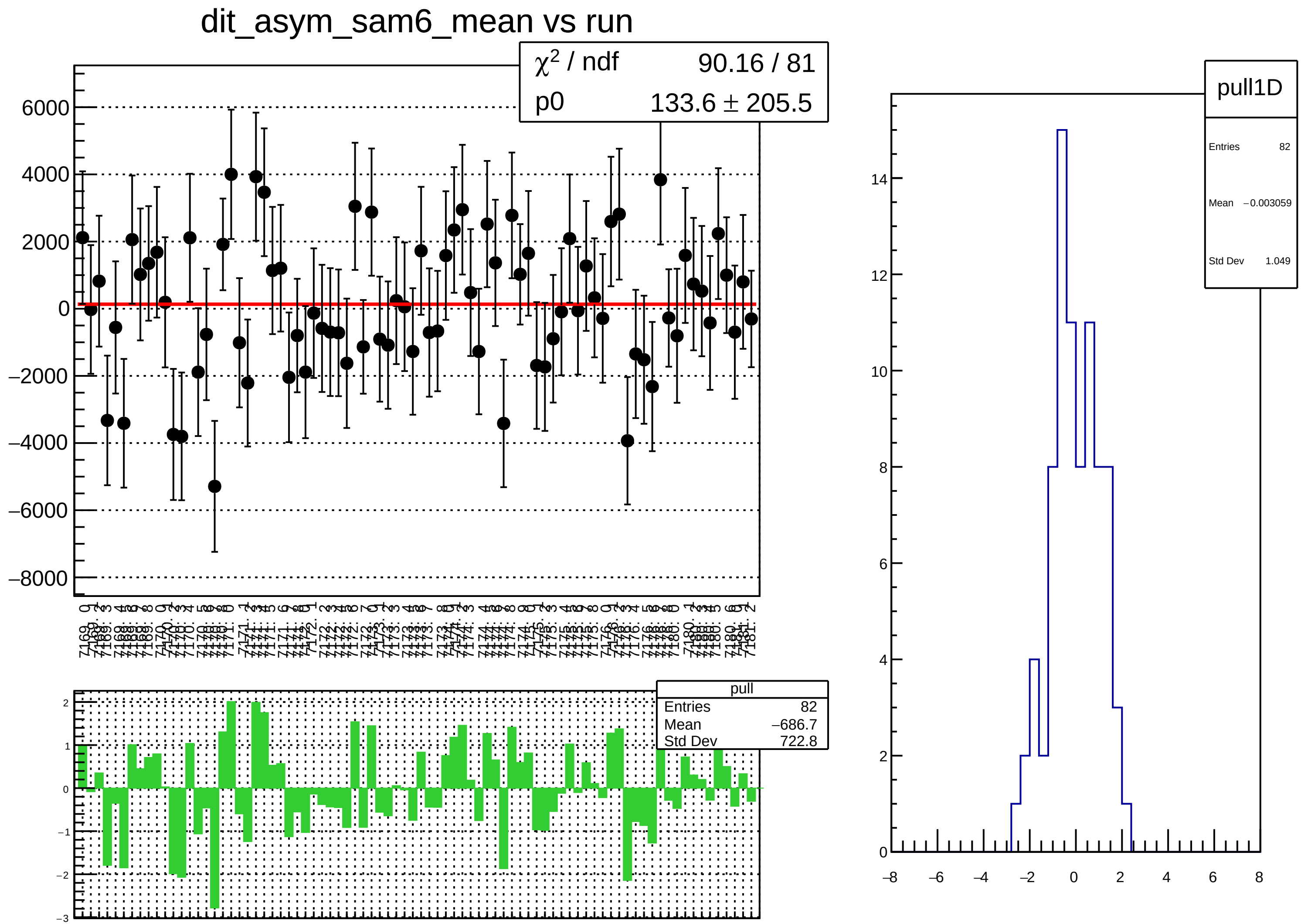
asym_sam5_correction_mean vs run
χ^2 / ndf 69.68 / 81
p0 928.5 ± 1197
pull
Entries 82
Mean 807
Std Dev 771.2
pull1D
Entries 82
Mean −0.008297
Std Dev 0.9218


asym_sam5_correction_rms vs run
χ^2 / ndf 4522 / 81
p0 1059 ± 0.8463
1250
1200
1150
1100
1050
1000
950

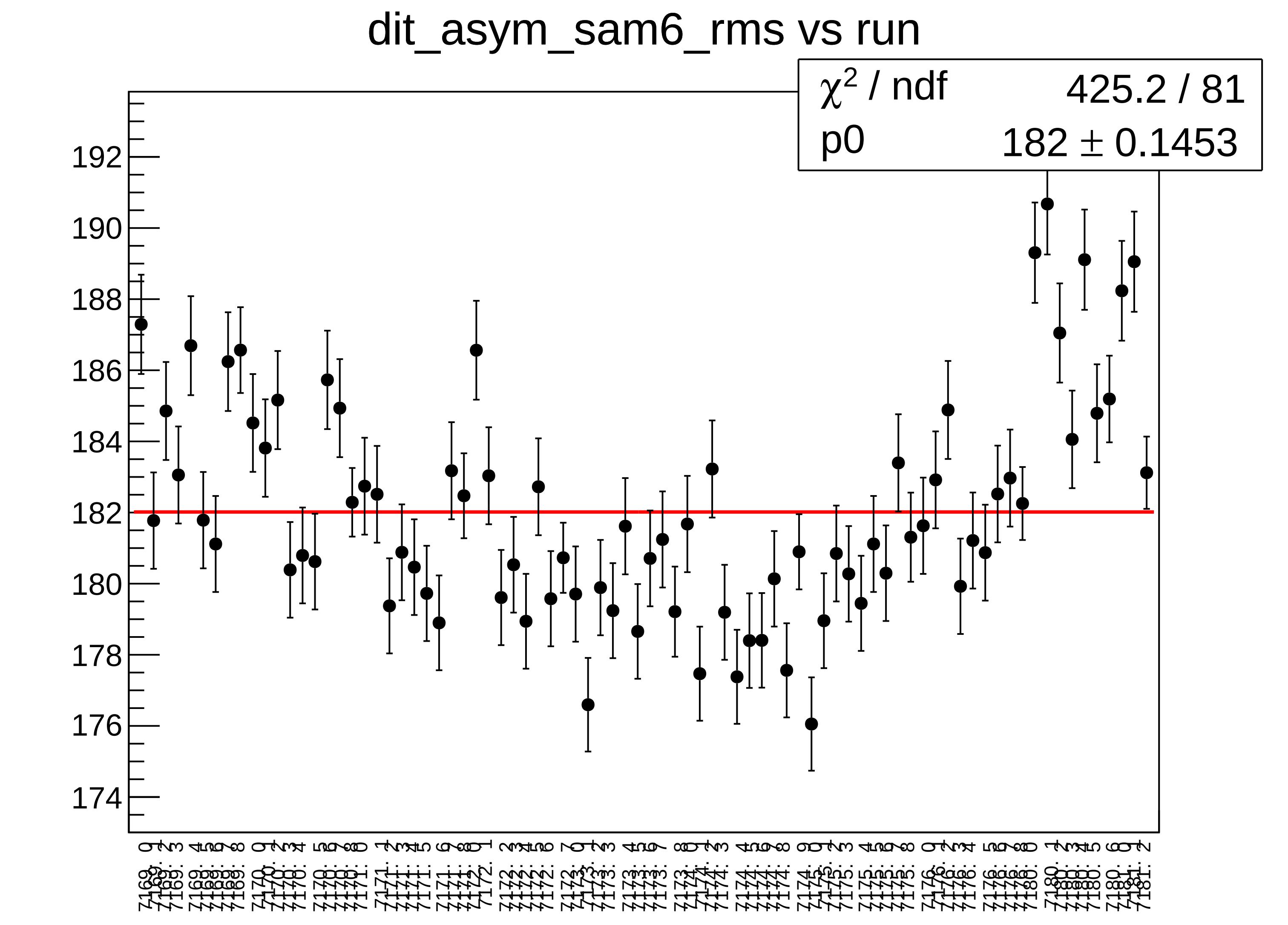

asym_sam5_mean vs run
χ2 / ndf 71.14 / 81
p0 −680.3 ± 1177
pull
Entries 82
Mean 837.4
Std Dev 801.5
pull1D
Entries 82
Mean 0.008461
Std Dev 0.9314

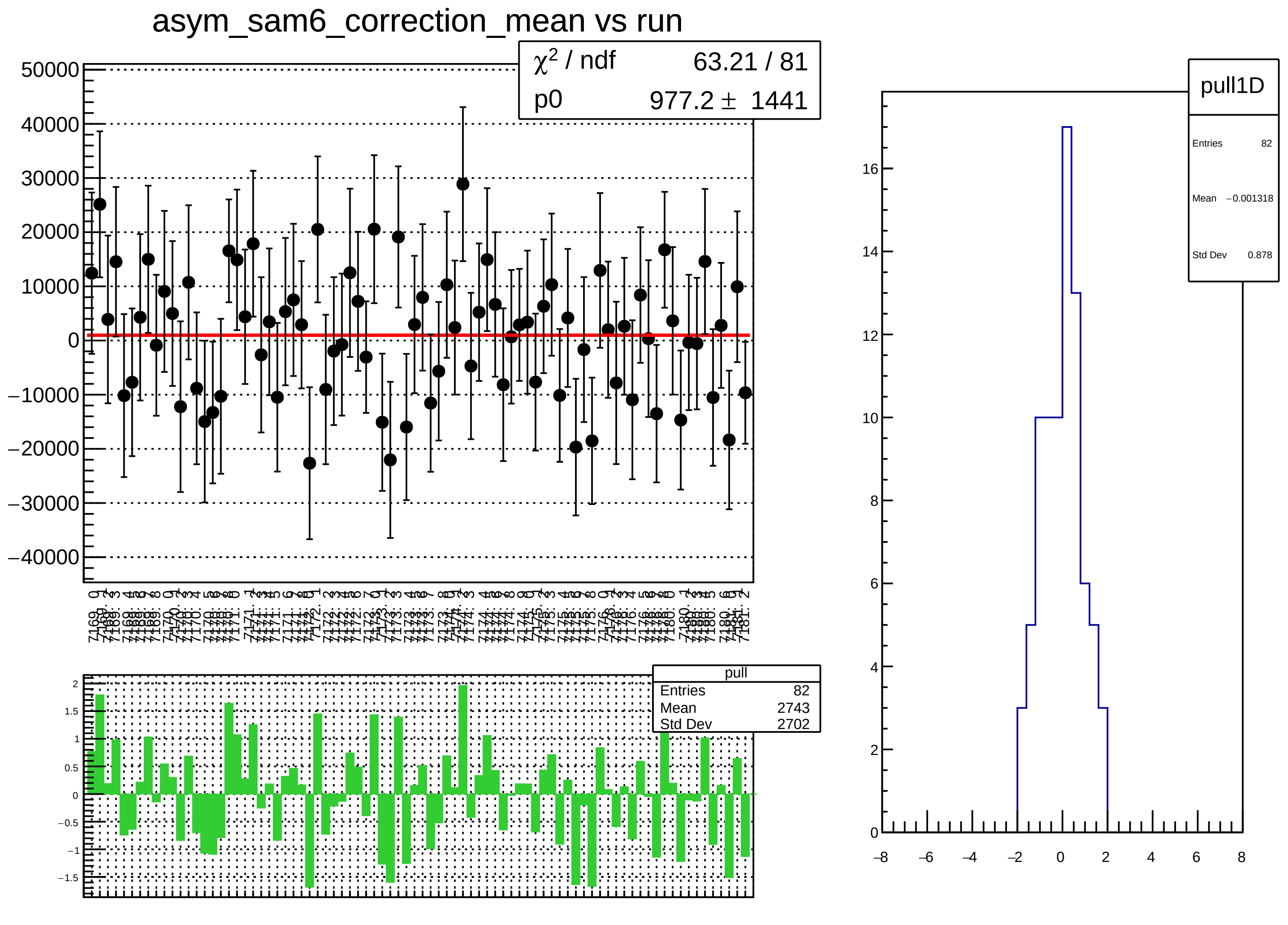


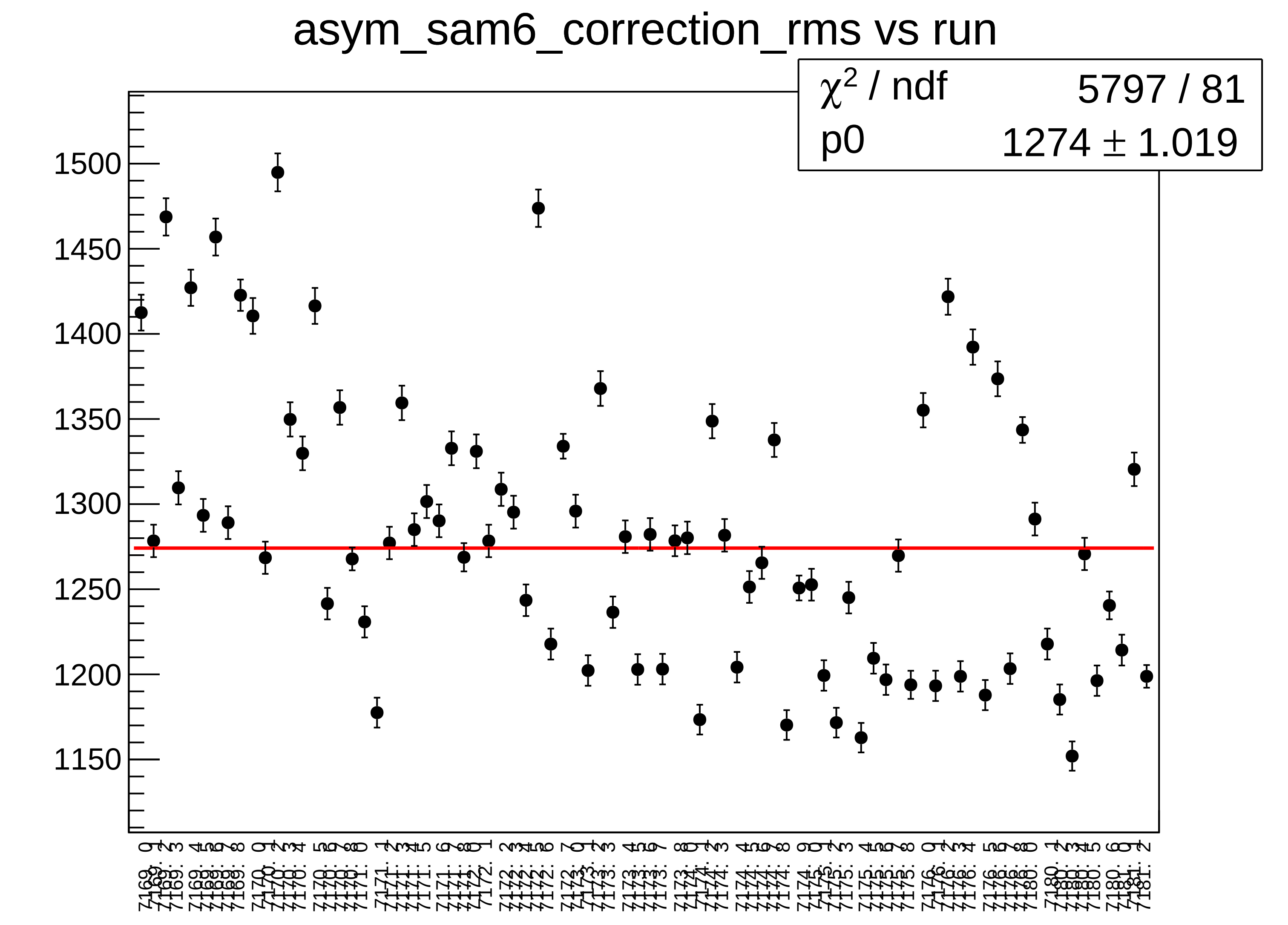
asym_sam5_rms vs run
χ2 / ndf 4936 / 81
p0 1041 ± 0.8321
1200
1150
1100
1050
1000
950
900



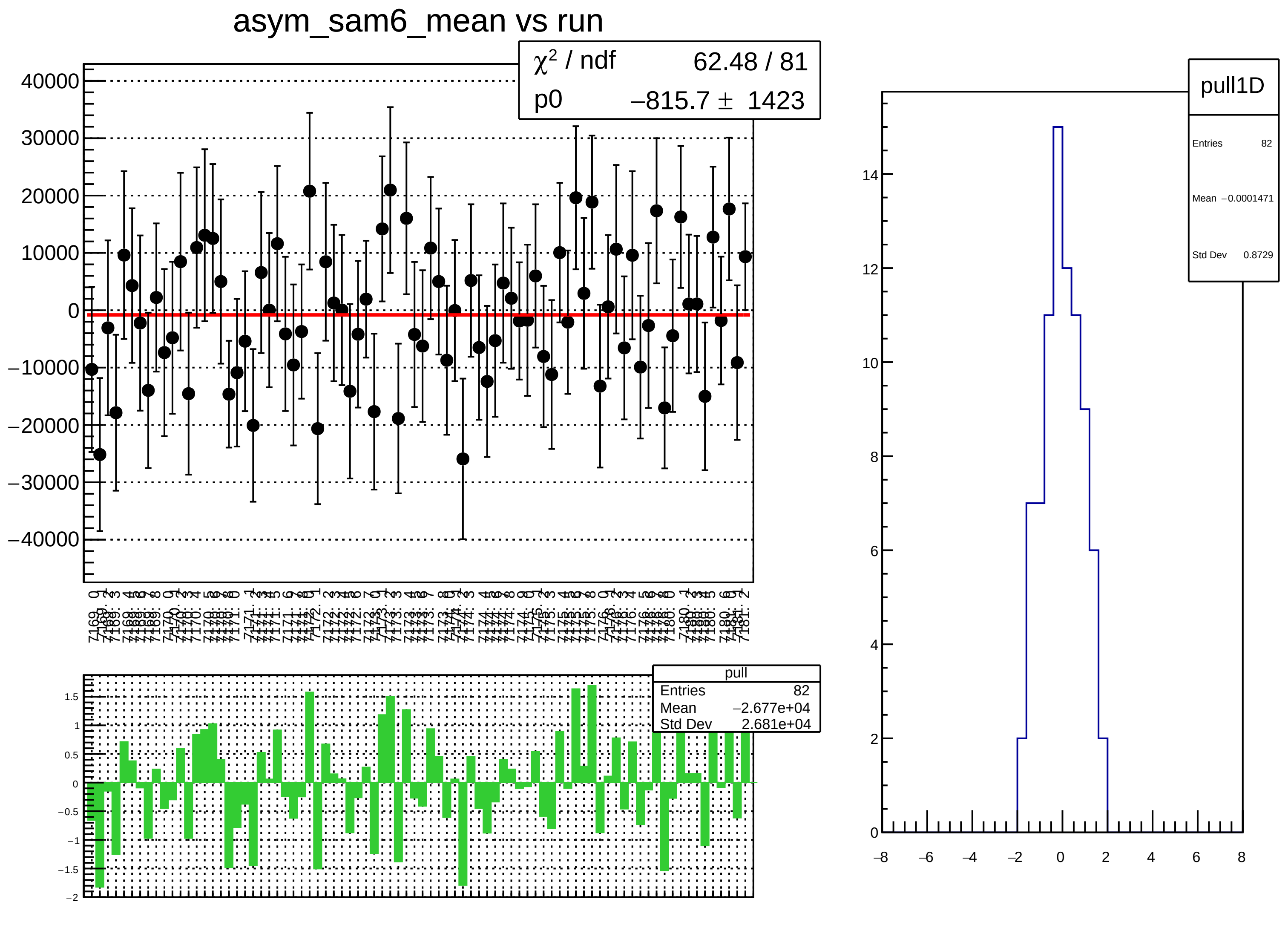
dit_asym_sam6_mean vs run
χ^2 / ndf 90.16 / 81
p0 133.6 ± 205.5
pull
Entries 82
Mean −686.7
Std Dev 722.8
pull1D
Entries 82
Mean −0.003059
Std Dev 1.049


dit_asym_sam6_rms vs run
χ2 / ndf 425.2 / 81
p0 182 ± 0.1453
192
190
188
186
184
182
180
178
176
174

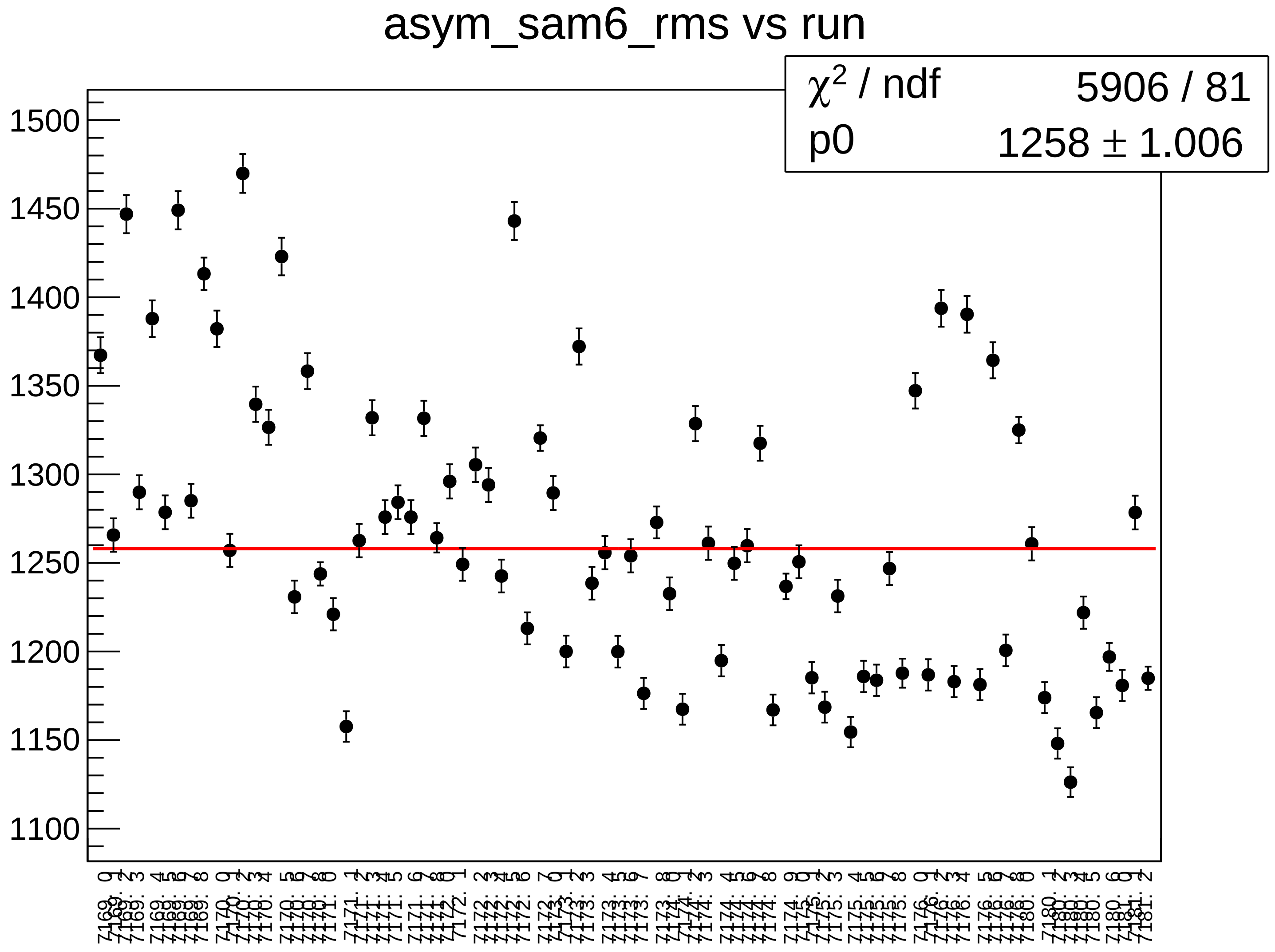

asym_sam6_correction_mean vs run
χ^2 / ndf 63.21 / 81
p0 977.2 ± 1441
pull
Entries 82
Mean 2743
Std Dev 2702
pull1D
Entries 82
Mean −0.001318
Std Dev 0.878



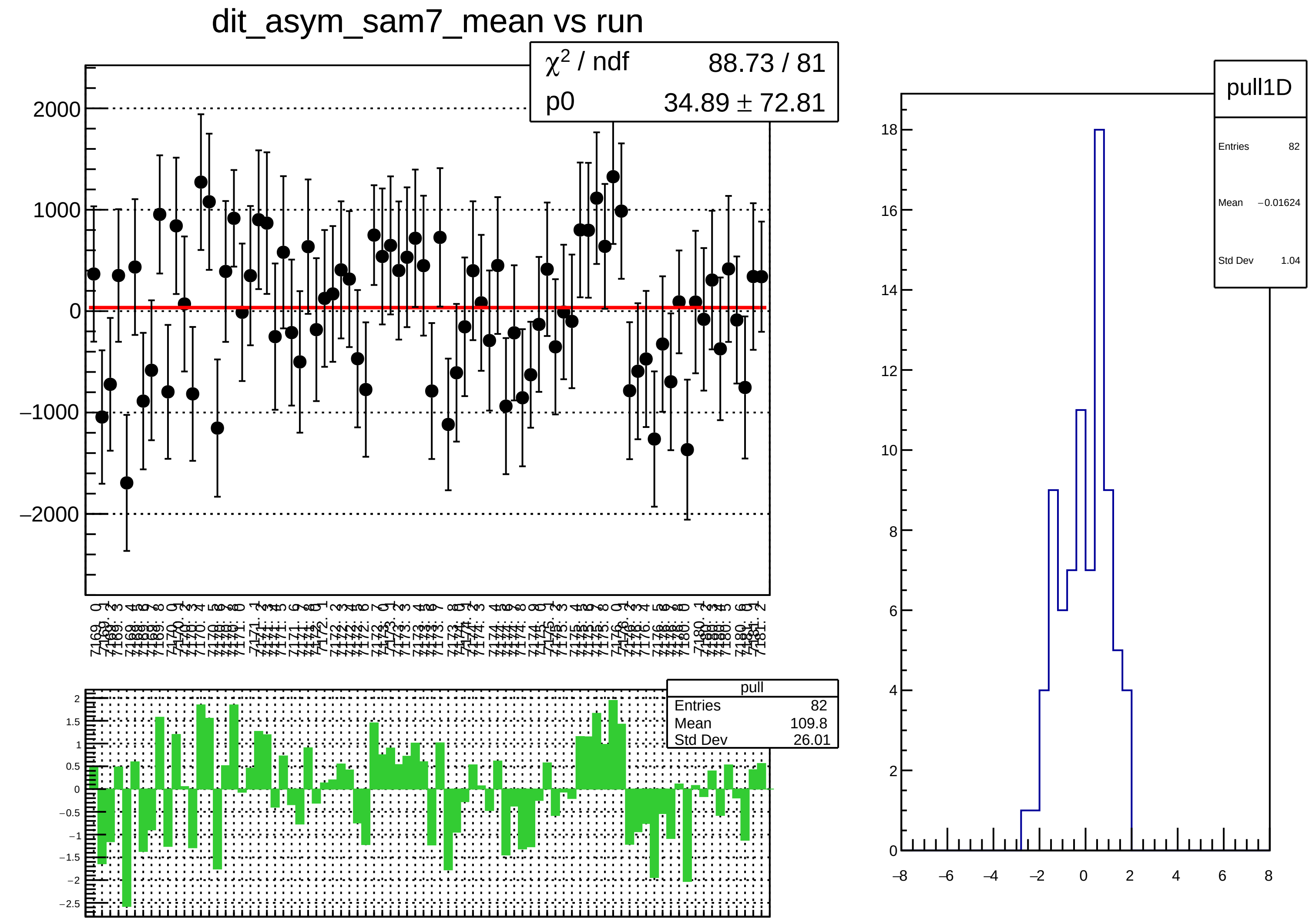
asym_sam6_correction_rms vs run
χ^2 / ndf 5797 / 81
p0 1274 ± 1.019
1500
1450
1400
1350
1300
1250
1200
1150

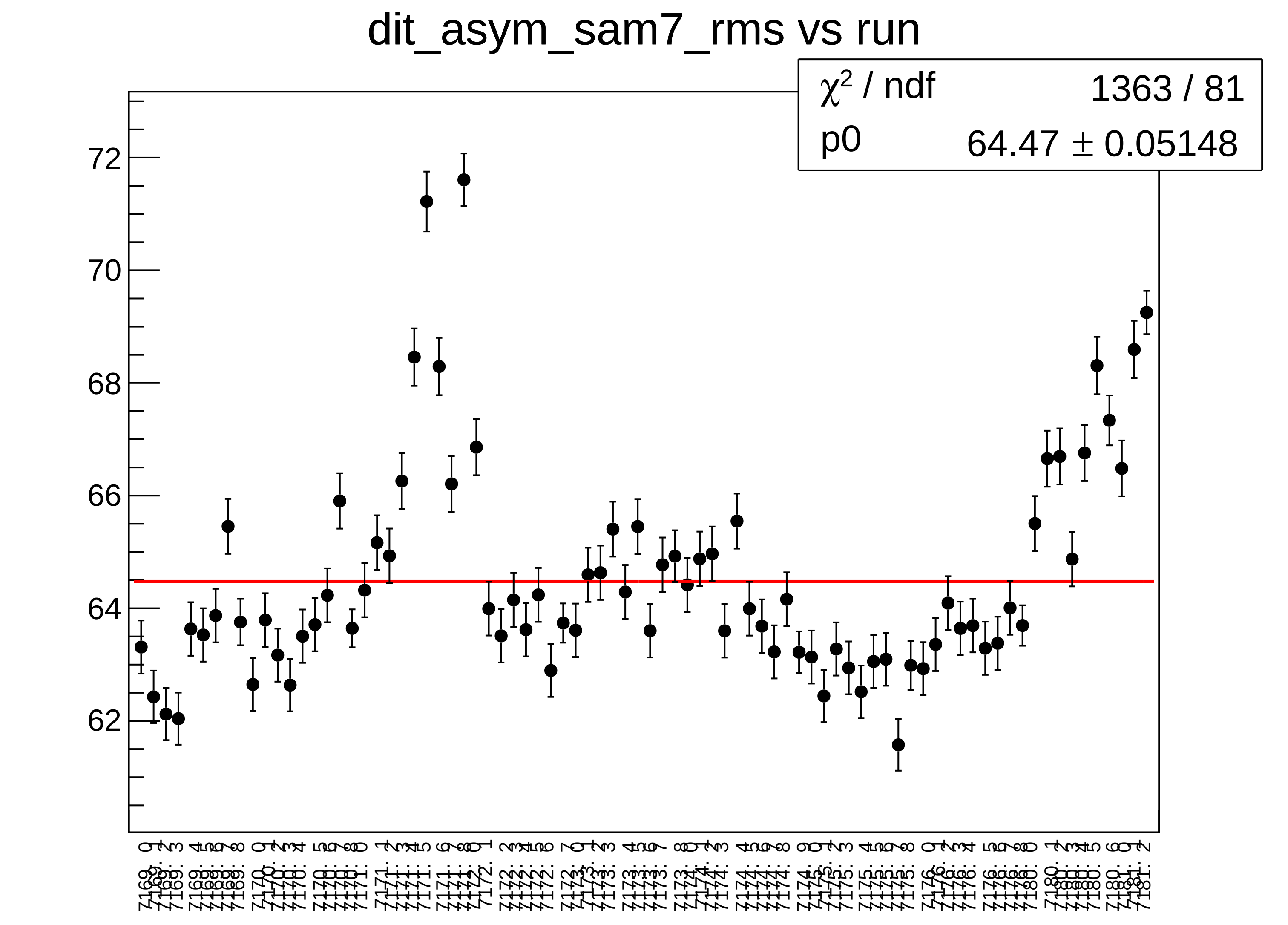


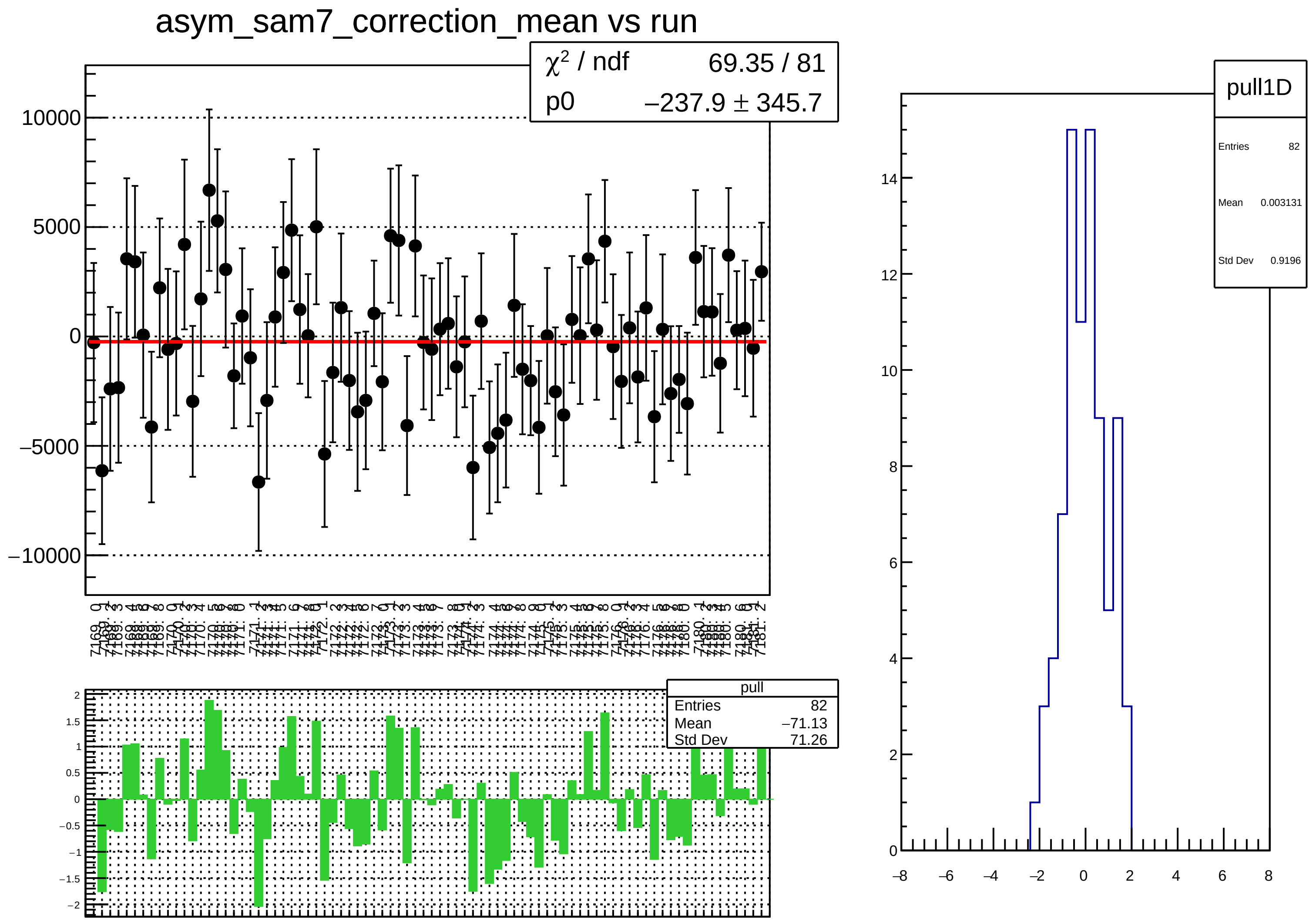
asym_sam6_mean vs run
χ^2 / ndf 62.48 / 81
p0 −815.7 ± 1423
pull
Entries 82
Mean −2.677e+04
Std Dev 2.681e+04
pull1D
Entries 82
Mean −0.0001471
Std Dev 0.8729

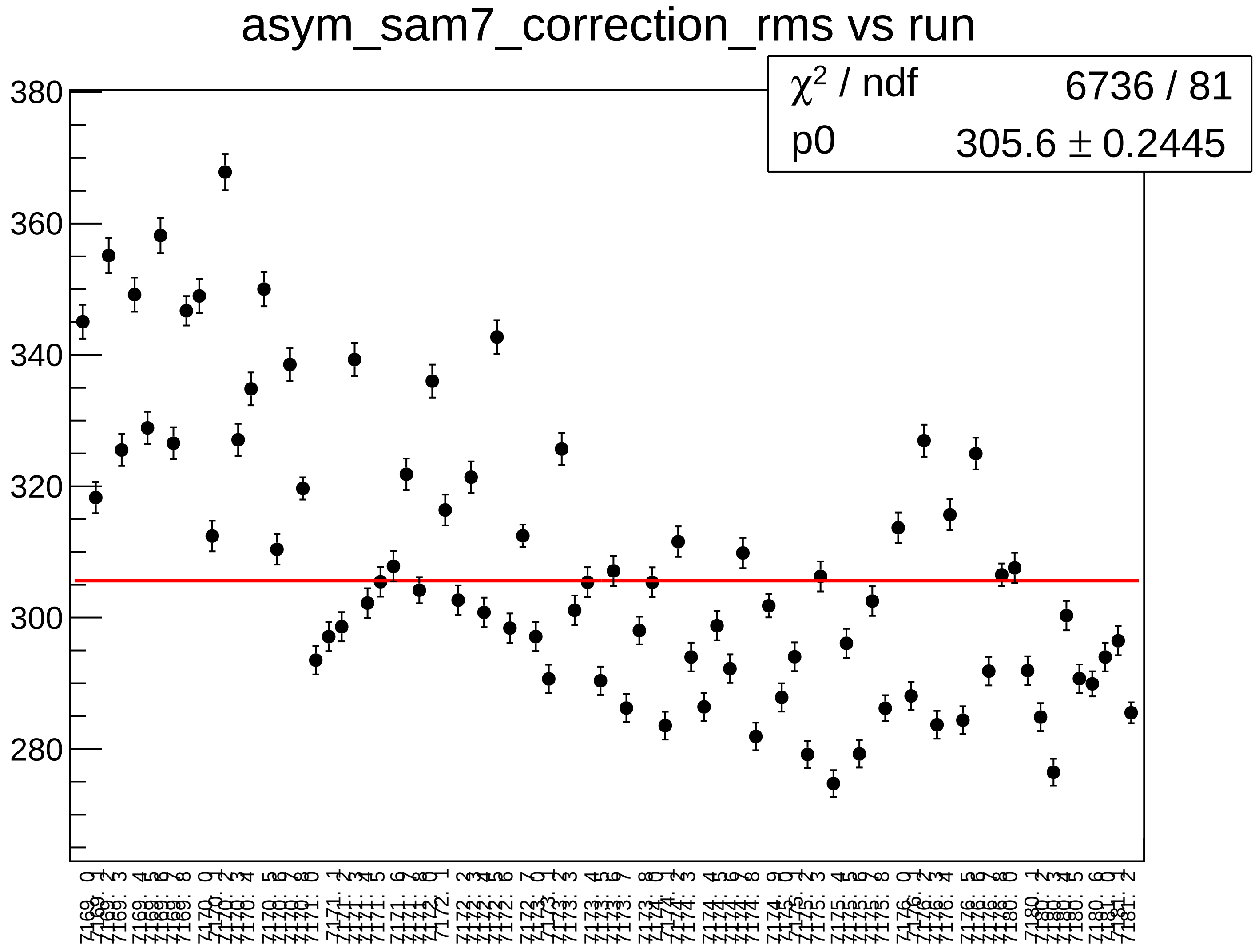


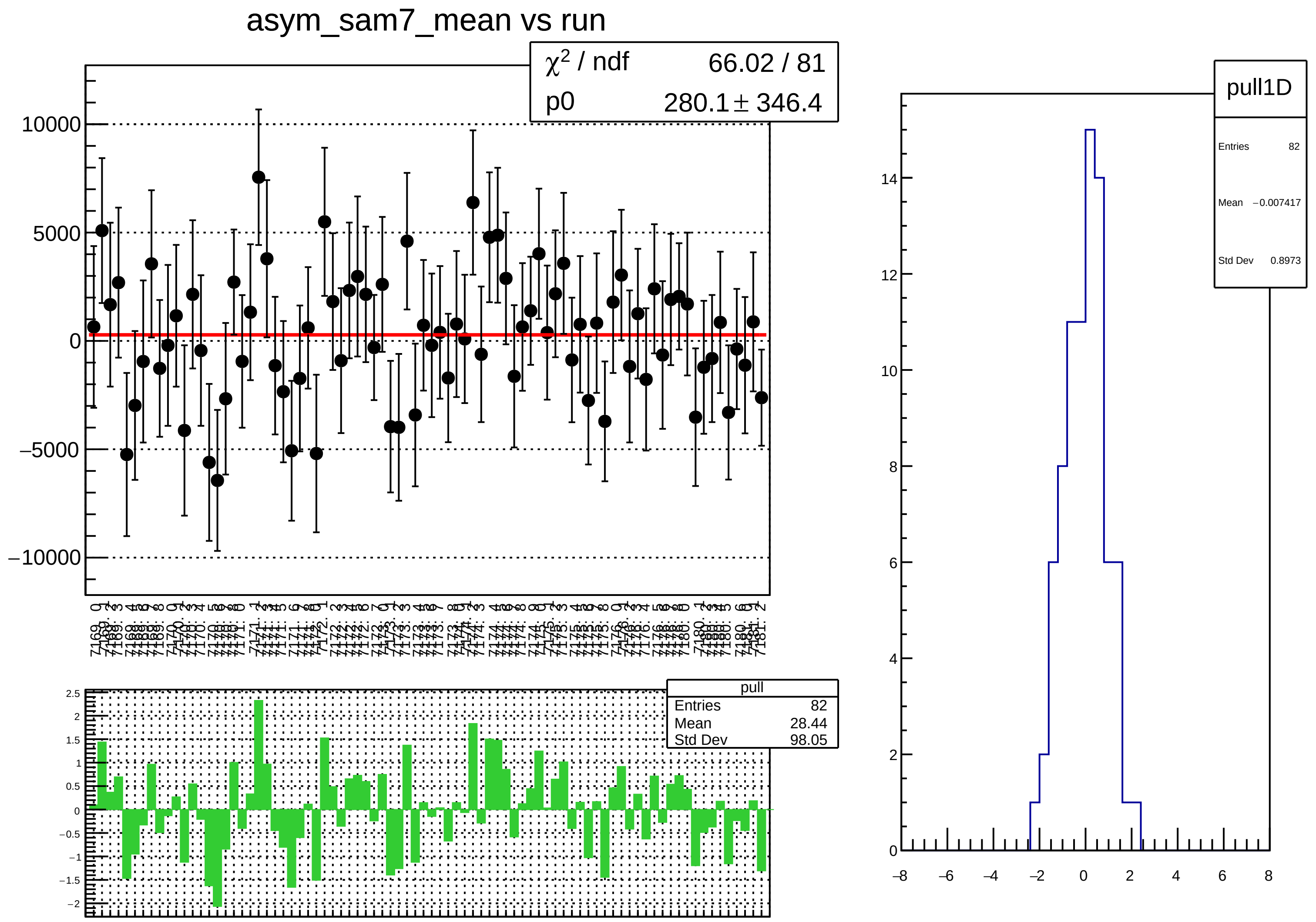
asym_sam6_rms vs run
χ^2 / ndf 5906 / 81
p0 1258 ± 1.006
1500
1450
1400
1350
1300
1250
1200
1150
1100


dit_asym_sam7_mean vs run
χ2 / ndf 88.73 / 81
p0 34.89 ± 72.81
pull
Entries 82
Mean 109.8
Std Dev 26.01
pull1D
Entries 82
Mean −0.01624
Std Dev 1.04

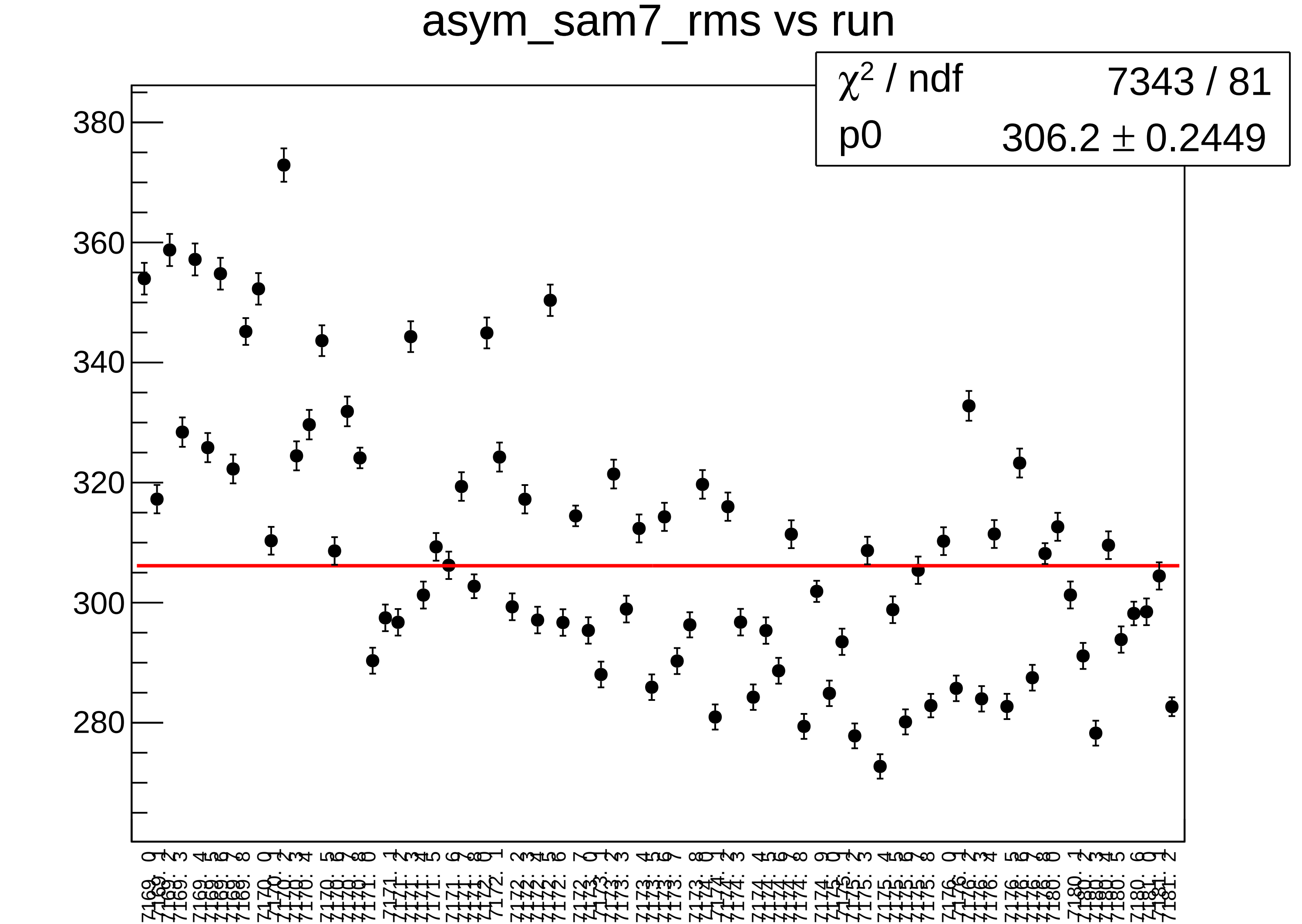

dit_asym_sam7_rms vs run
χ^2 / ndf 1363 / 81
p0 64.47 ± 0.05148
72
70
68
66
64
62

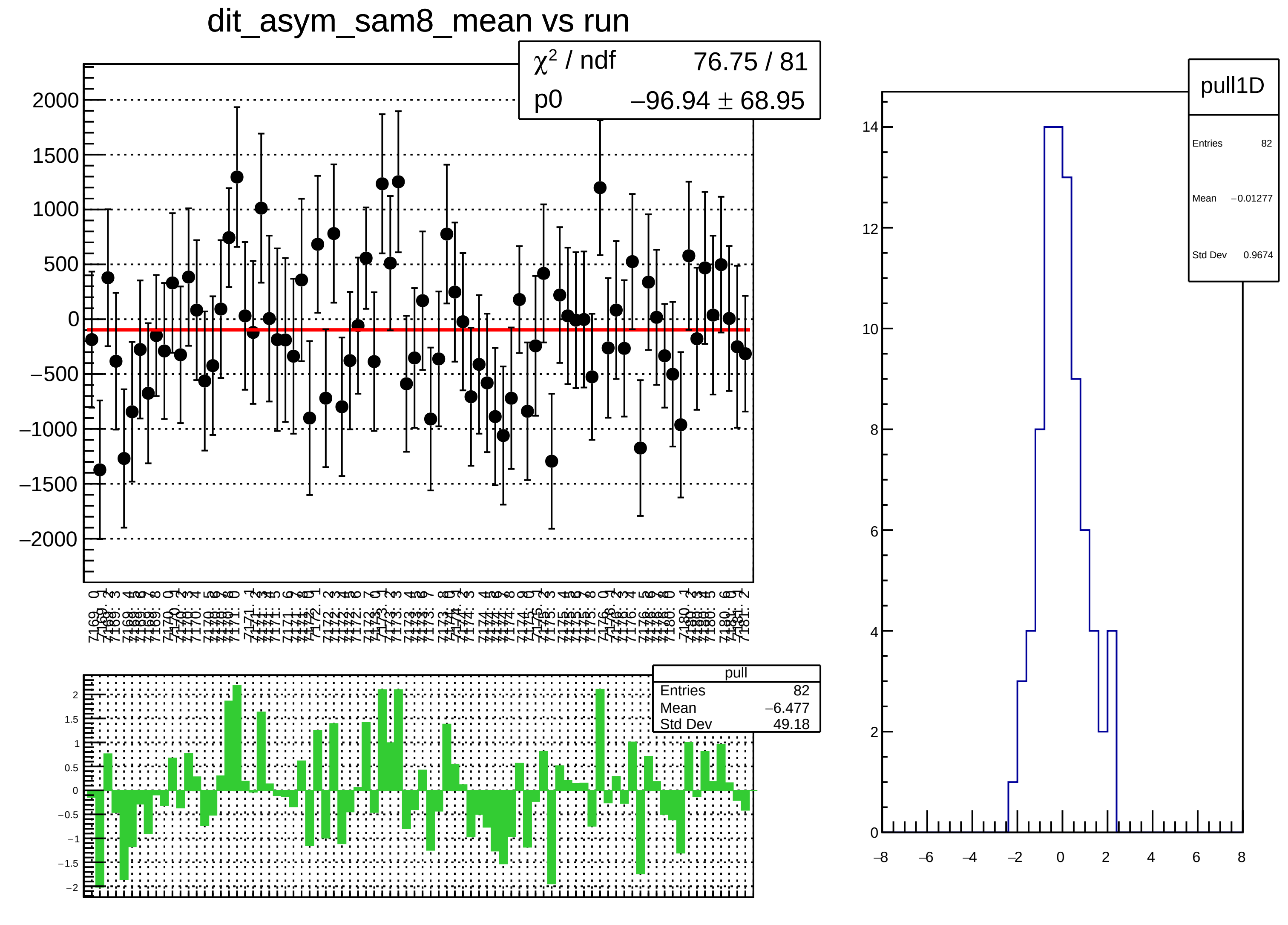

asym_sam7_correction_mean vs run
χ2 / ndf 69.35 / 81
p0 −237.9 ± 345.7
pull
Entries 82
Mean −71.13
Std Dev 71.26
pull1D
Entries 82
Mean 0.003131
Std Dev 0.9196


asym_sam7_correction_rms vs run
χ2 / ndf 6736 / 81
p0 305.6 ± 0.2445
380
360
340
320
300
280

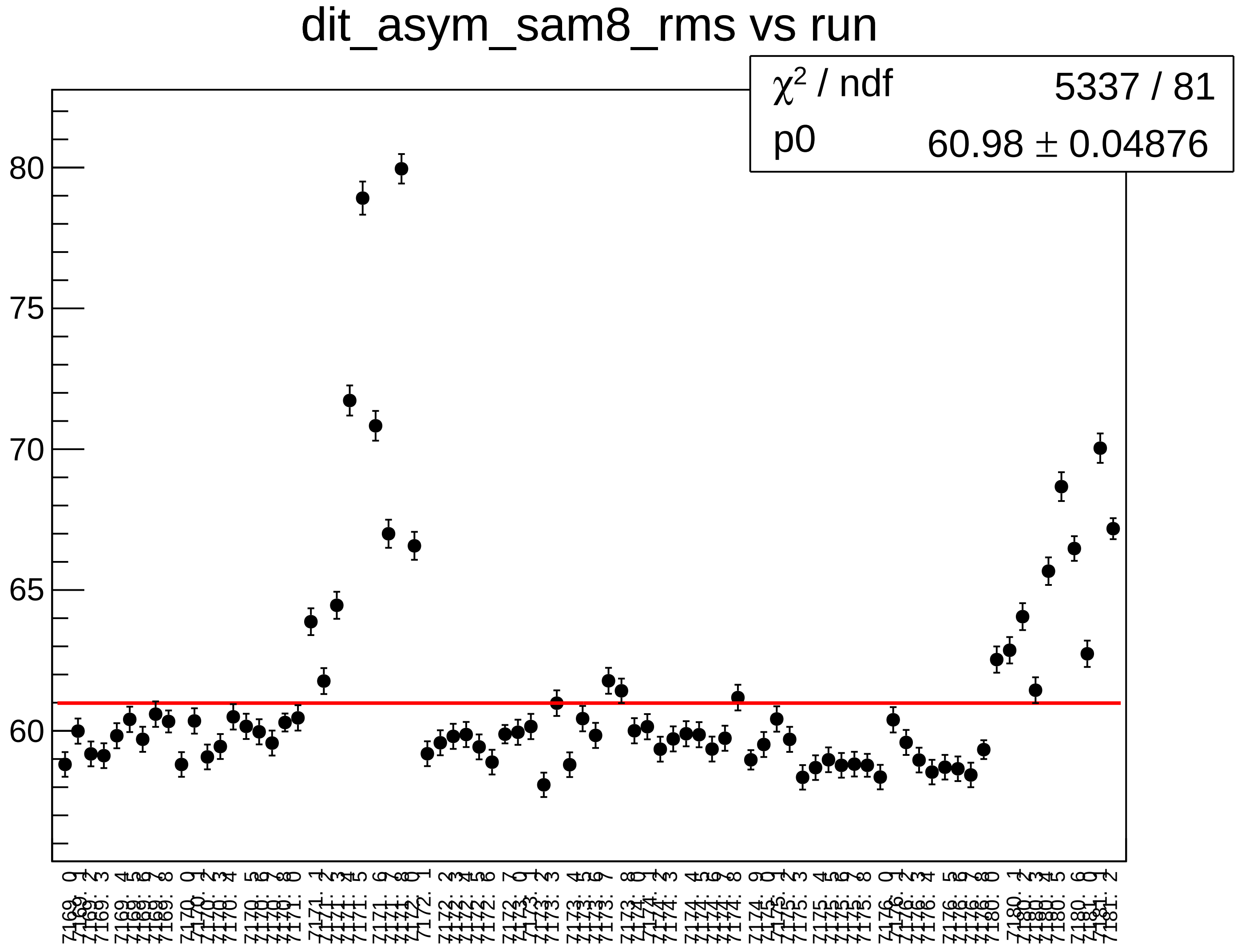


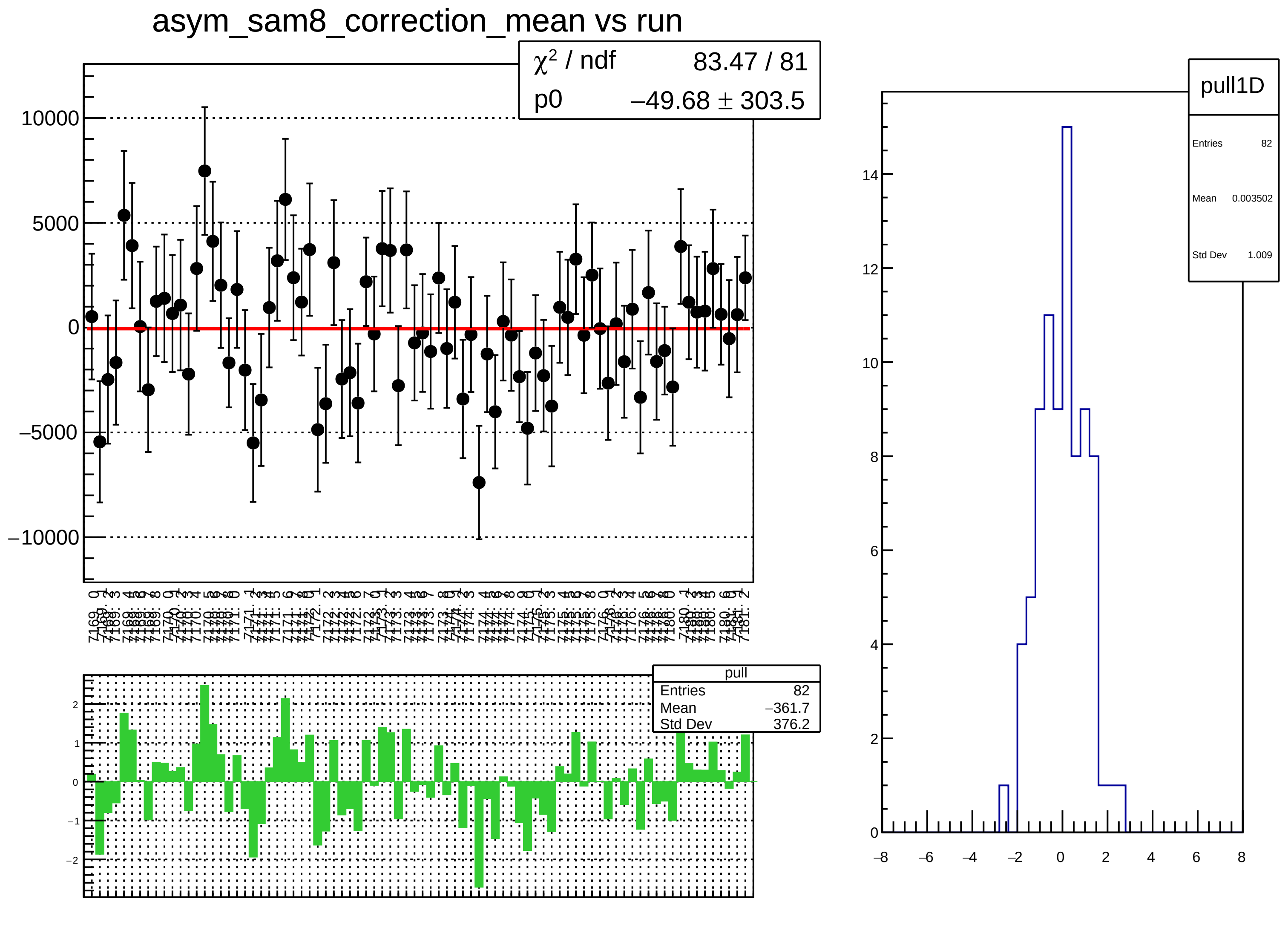
asym_sam7_mean vs run
χ^2 / ndf 66.02 / 81
p0 280.1 ± 346.4
pull
Entries 82
Mean 28.44
Std Dev 98.05
pull1D
Entries 82
Mean −0.007417
Std Dev 0.8973


asym_sam7_rms vs run
χ2 / ndf 7343 / 81
p0 306.2 ± 0.2449
380
360
340
320
300
280



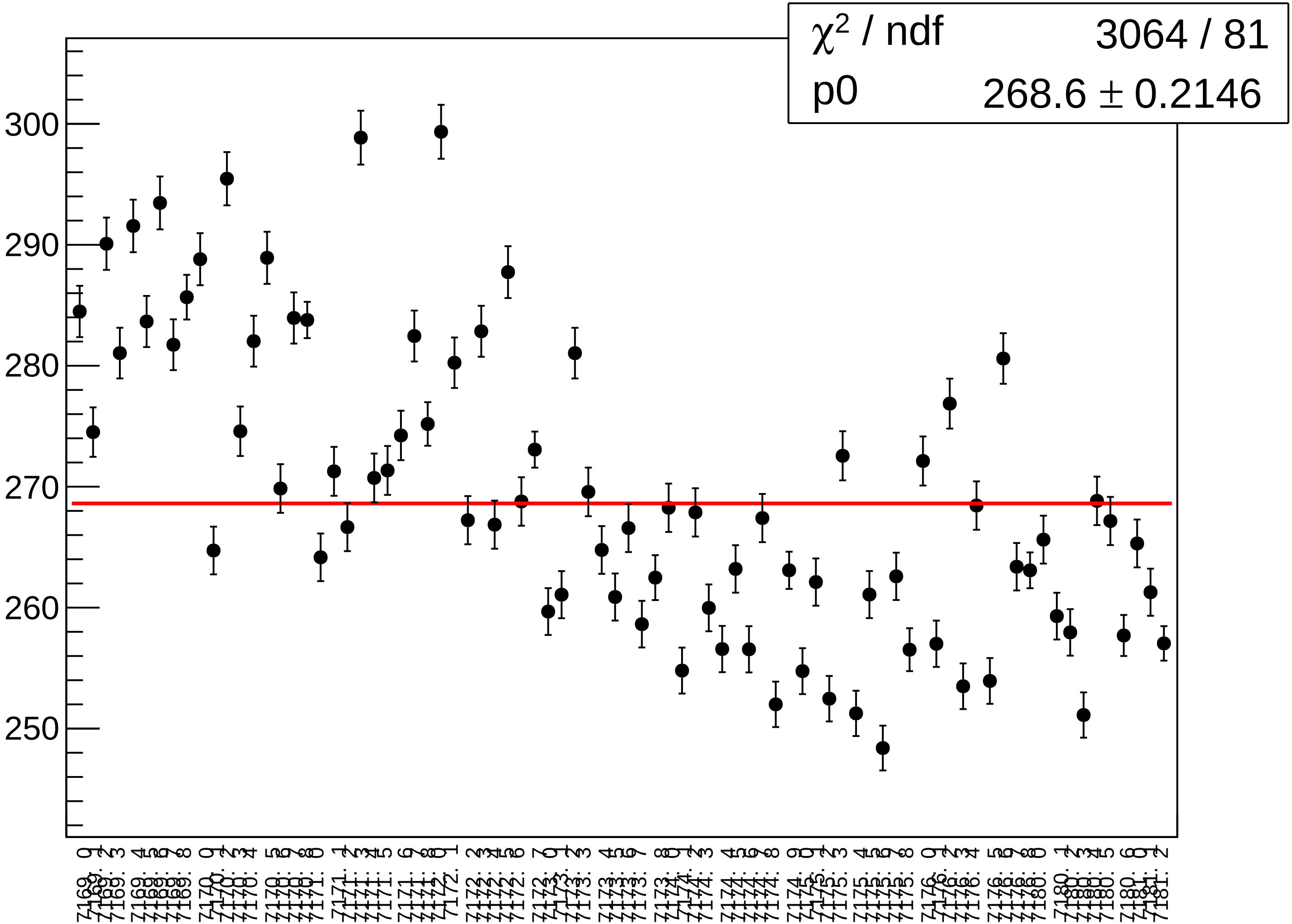
dit_asym_sam8_mean vs run
χ^2 / ndf 76.75 / 81
p0 −96.94 ± 68.95
pull
Entries 82
Mean −6.477
Std Dev 49.18
pull1D
Entries 82
Mean −0.01277
Std Dev 0.9674

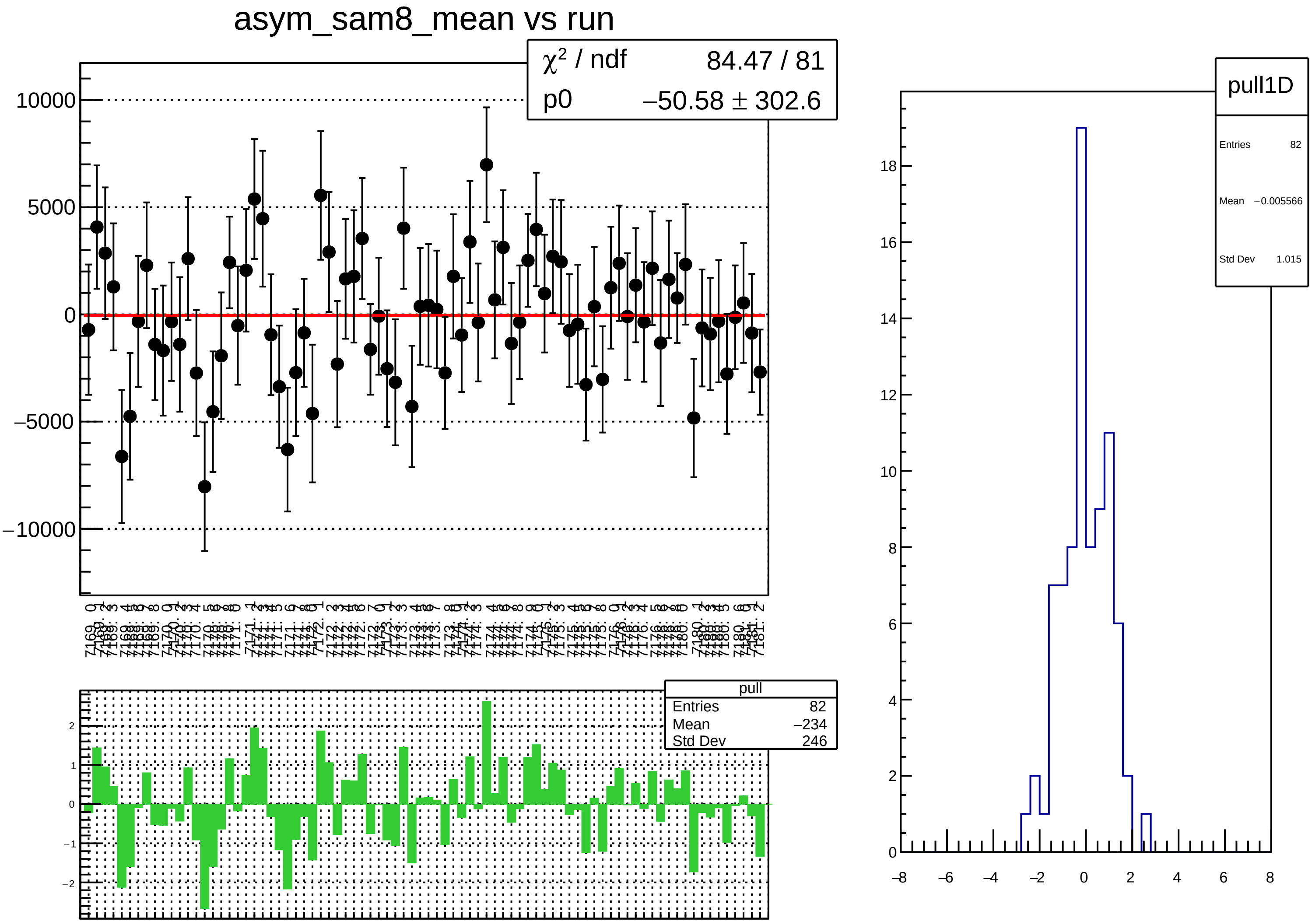

dit_asym_sam8_rms vs run
χ2 / ndf 5337 / 81
p0 60.98 ± 0.04876
80
75
70
65
60



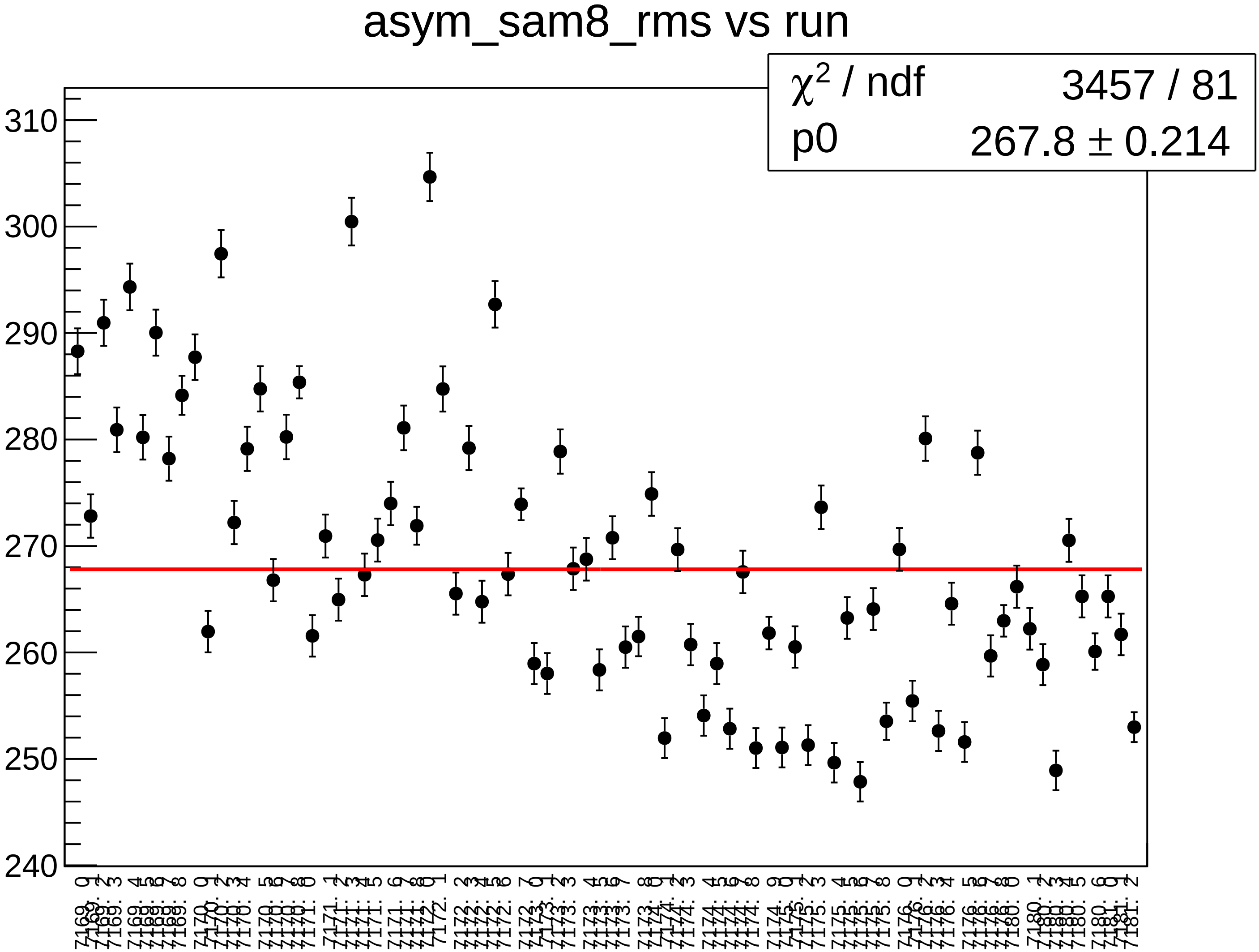
asym_sam8_correction_mean vs run
χ^2 / ndf 83.47 / 81
p0 −49.68 ± 303.5
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −361.7
Std Dev 376.2
pull1D
Entries 82
Mean 0.003502
Std Dev 1.009

asym_sam8_correction_rms vs run

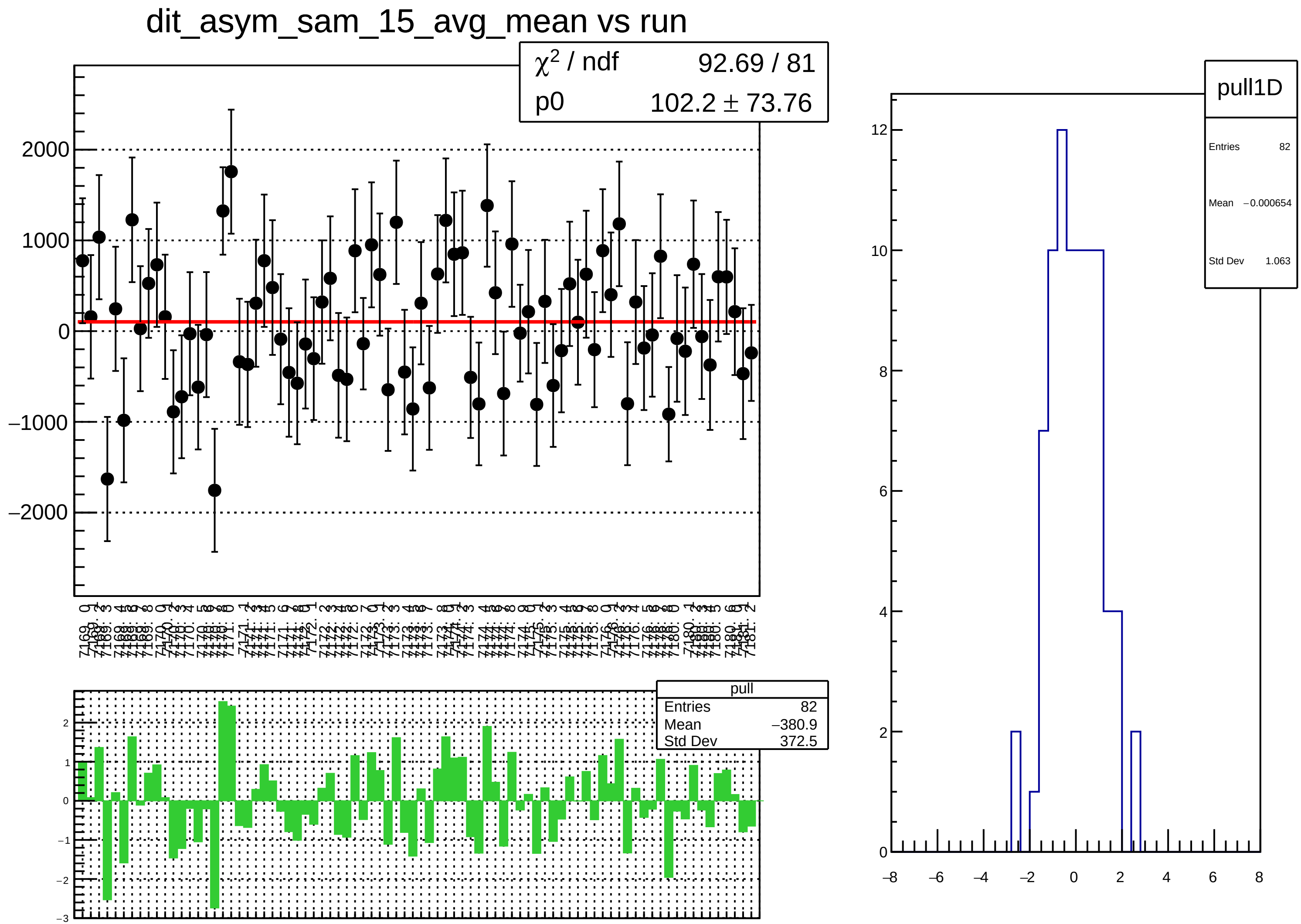




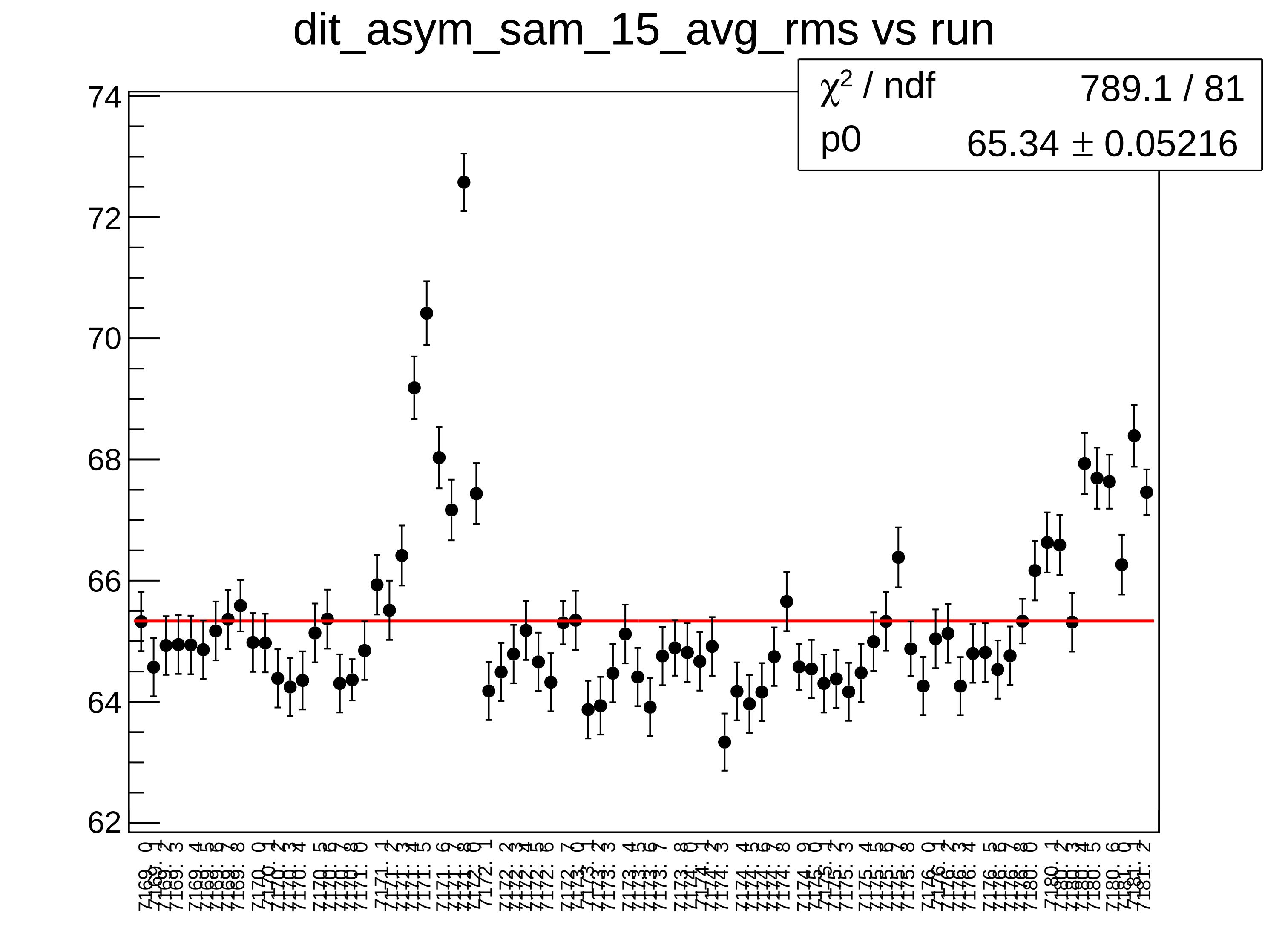
asym_sam8_mean vs run
χ^2 / ndf 84.47 / 81
p0 −50.58 ± 302.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −234
Std Dev 246
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.005566
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

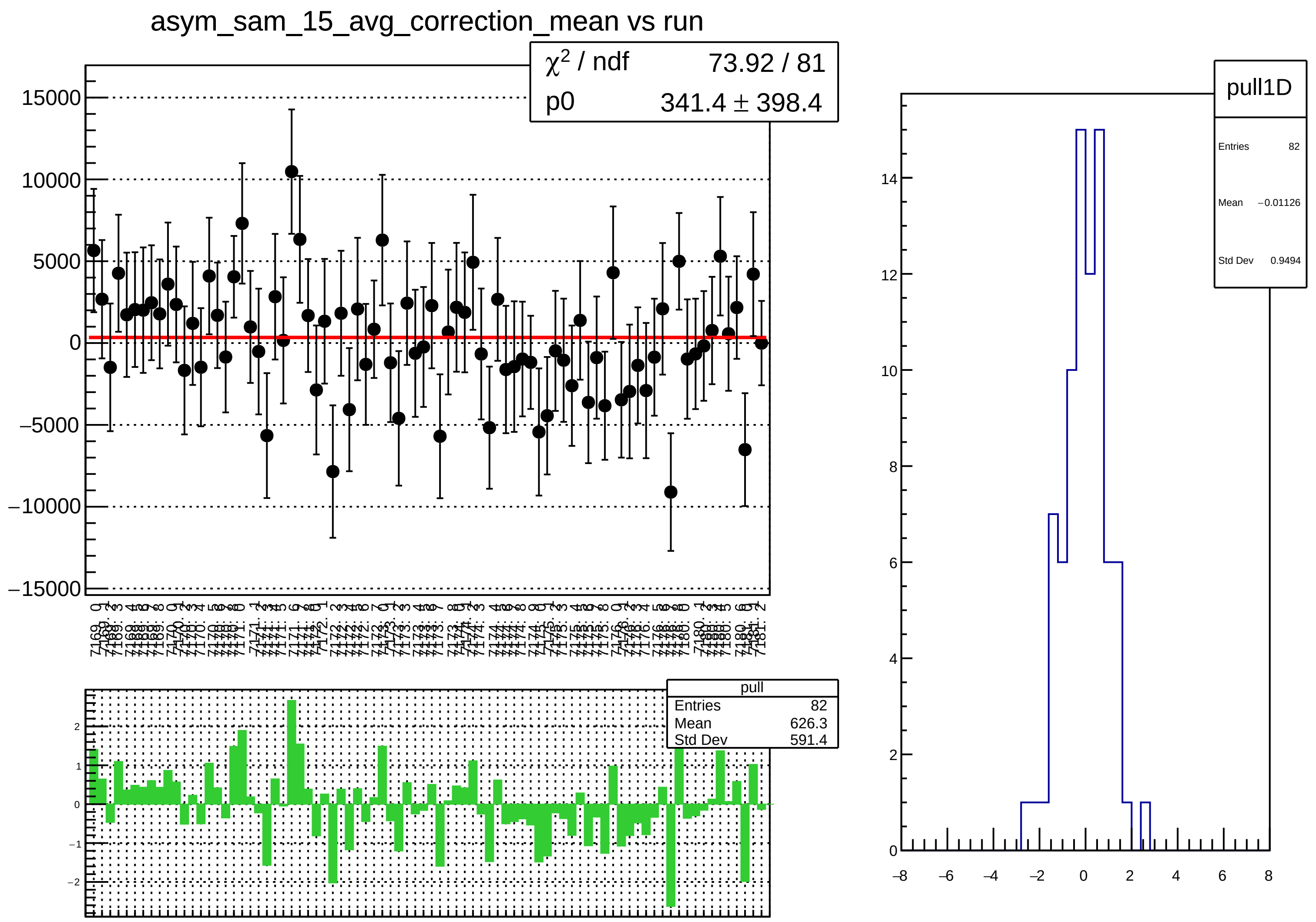


asym_sam8_rms vs run
χ2 / ndf 3457 / 81
p0 267.8 ± 0.214
310
300
290
280
270
260
250
240

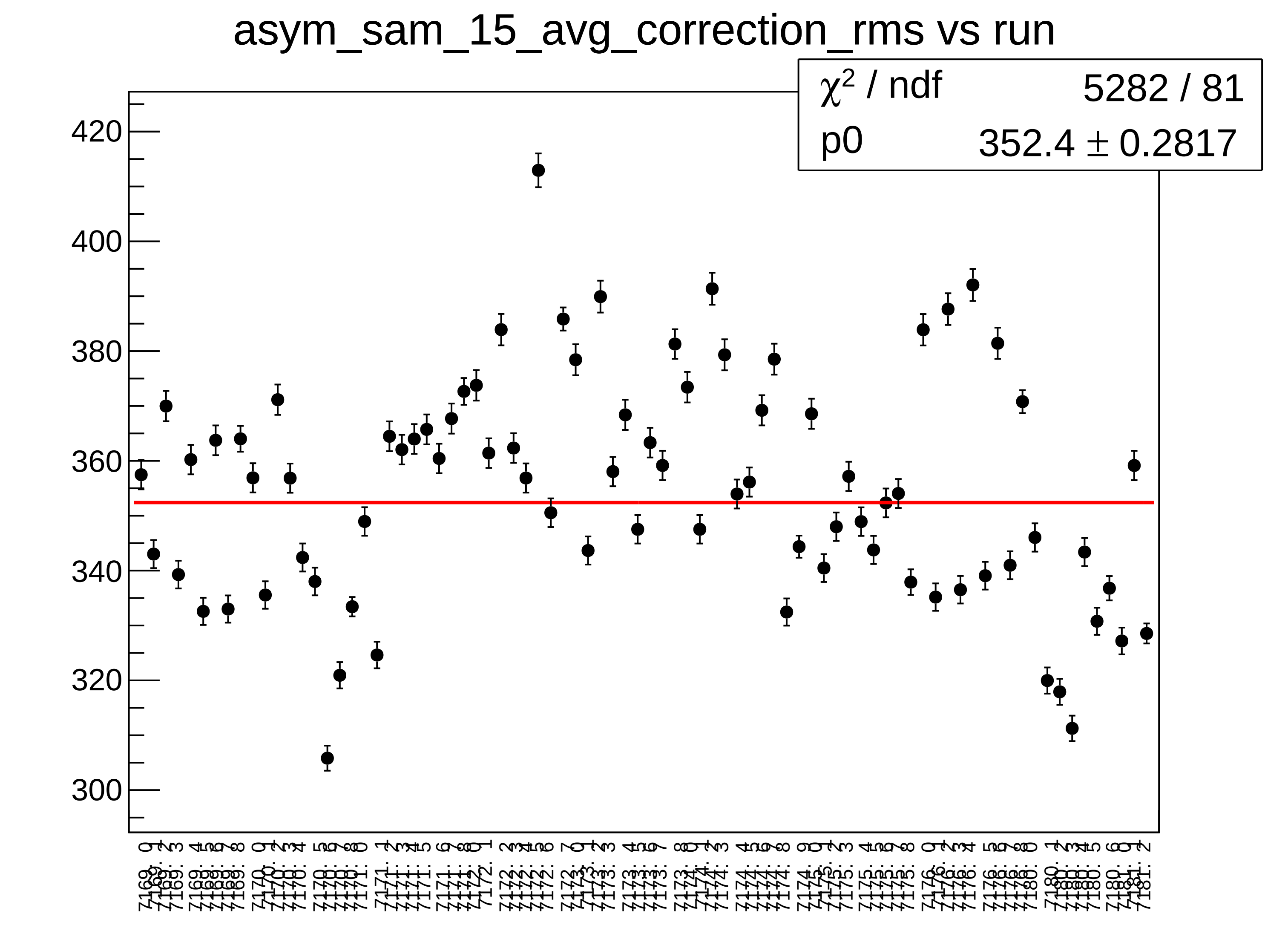


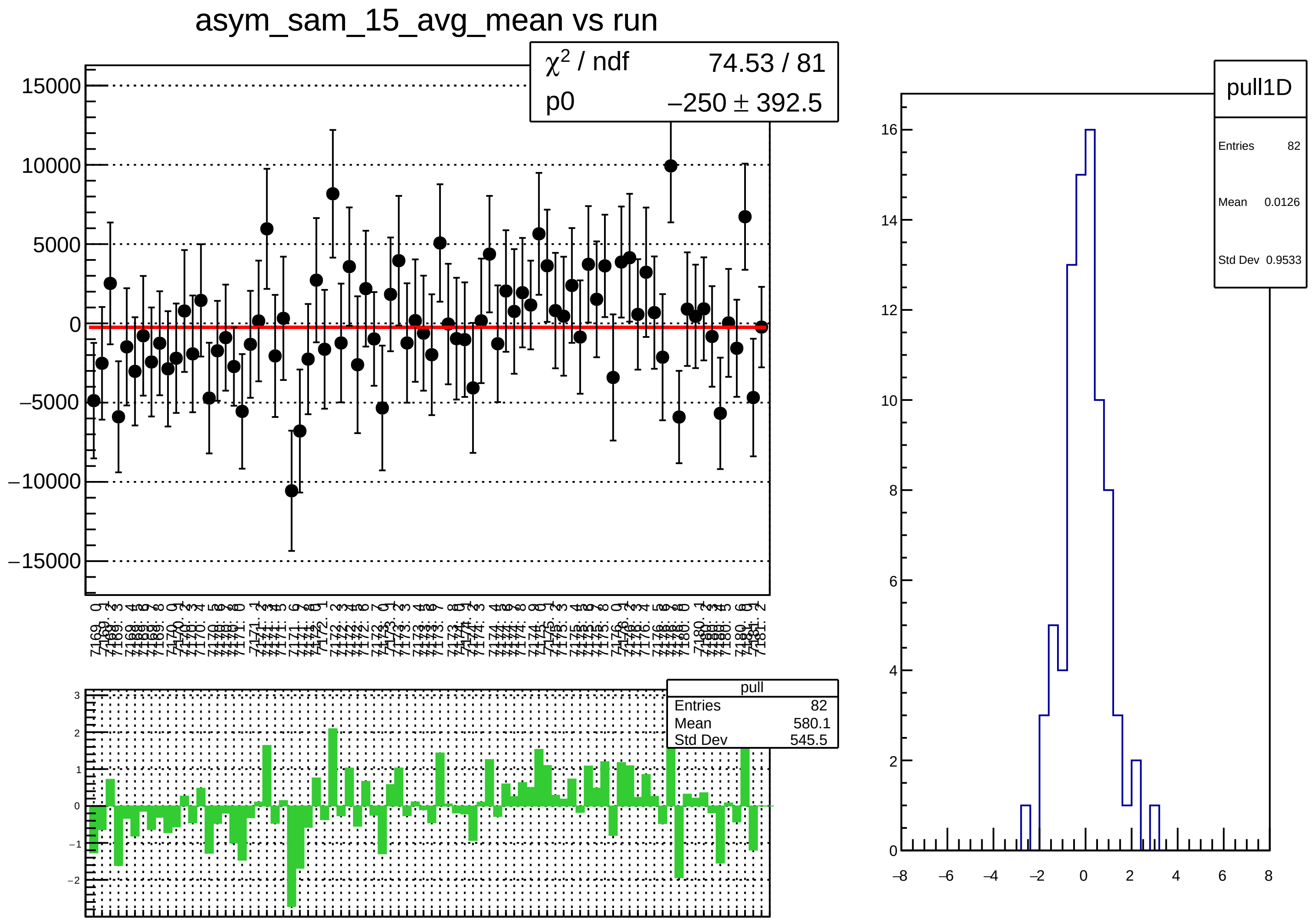
dit_asym_sam_15_avg_mean vs run
χ2 / ndf 92.69 / 81
p0 102.2 ± 73.76
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −380.9
Std Dev 372.5
pull1D
Entries 82
Mean −0.000654
Std Dev 1.063

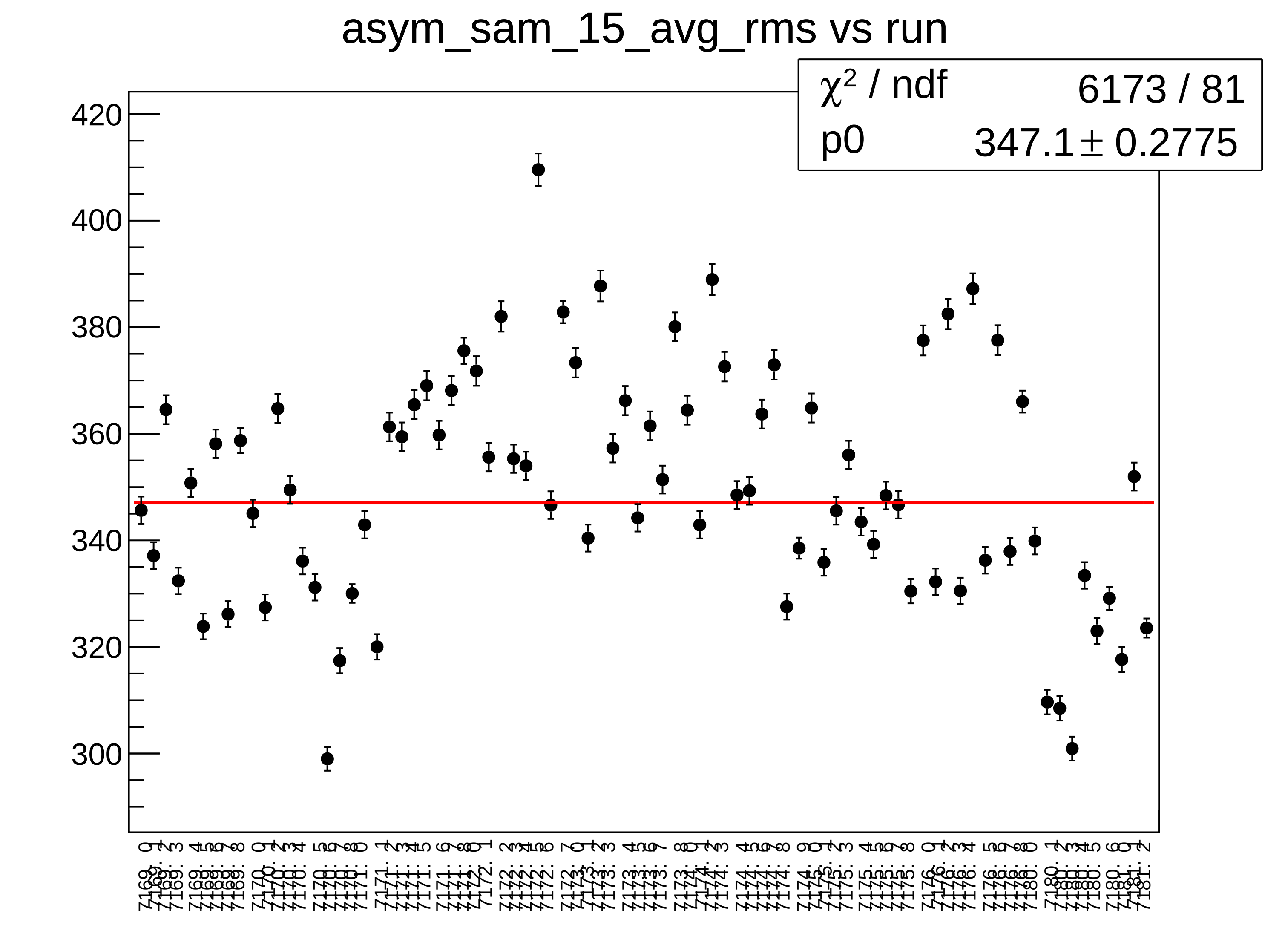

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 789.1 / 81
p0 65.34 ± 0.05216
74
72
70
68
66
64
62



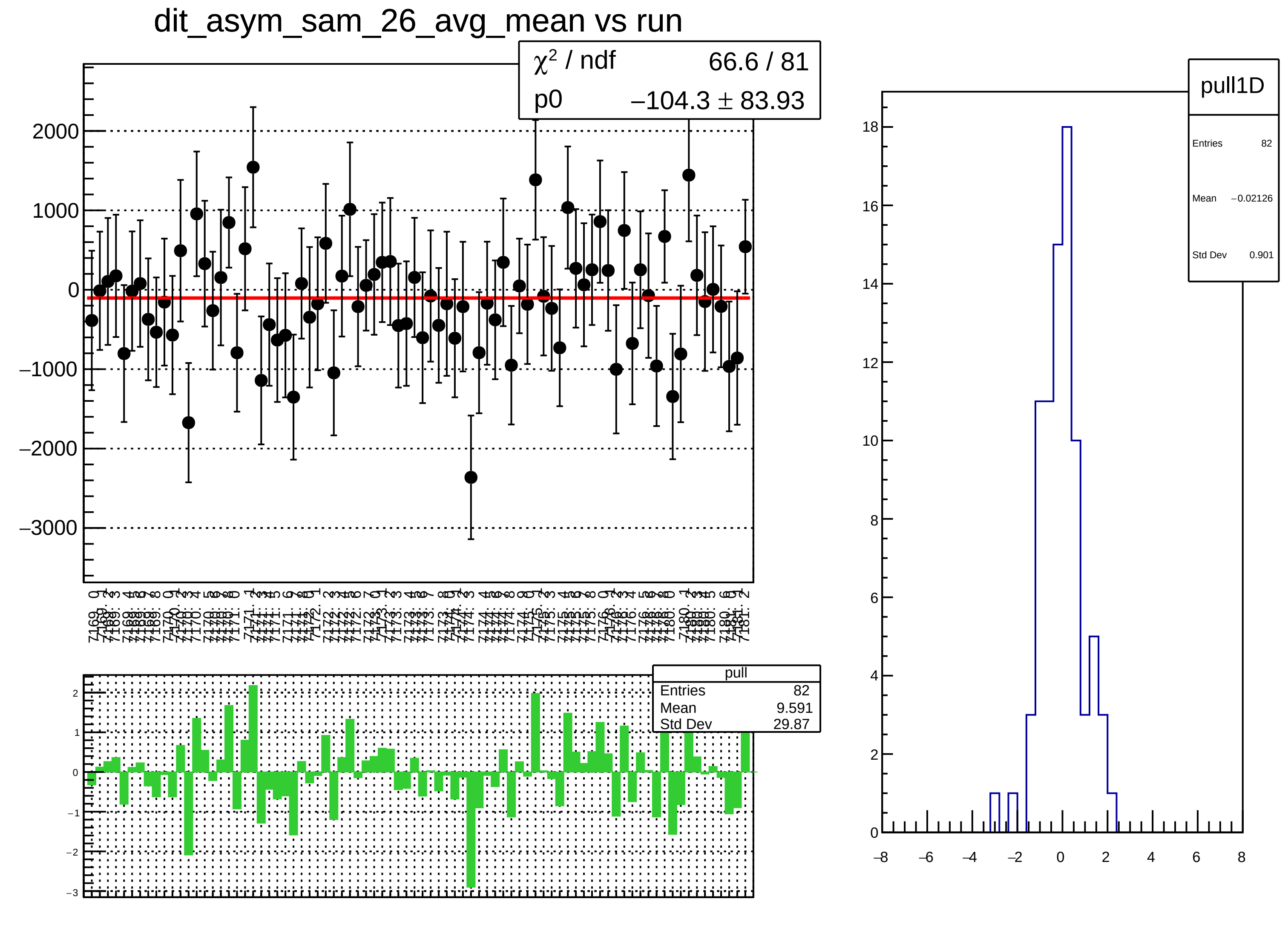
asym_sam_15_avg_correction_mean vs run
χ2 / ndf 73.92 / 81
p0 341.4 ± 398.4
pull
Entries 82
Mean 626.3
Std Dev 591.4
pull1D
Entries 82
Mean −0.01126
Std Dev 0.9494


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 5282 / 81
p0 352.4 ± 0.2817
420
400
380
360
340
320
300

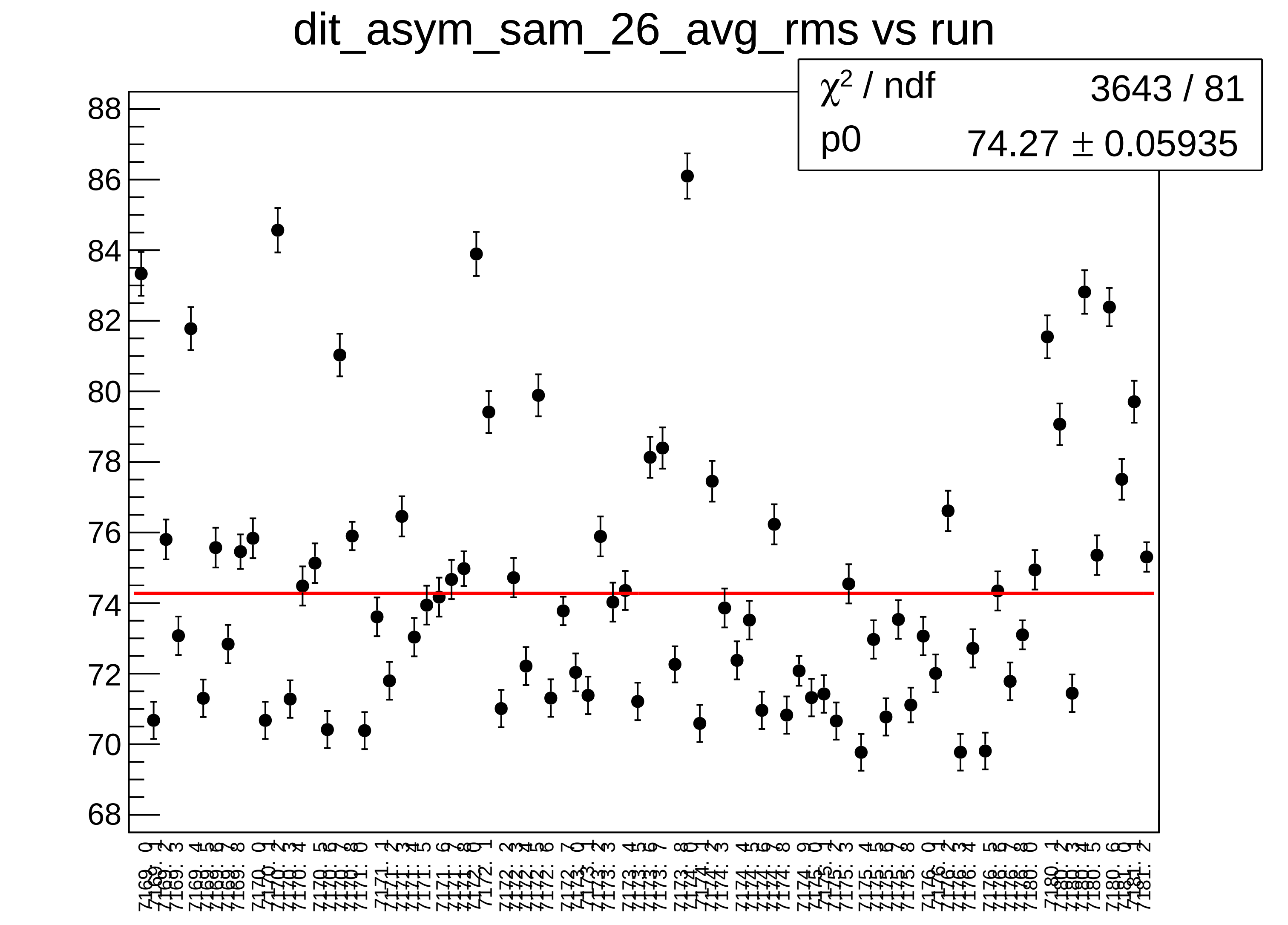

asym_sam_15_avg_mean vs run
χ^2 / ndf 74.53 / 81
p0 −250 ± 392.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 580.1
Std Dev 545.5
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0126
Std Dev 0.9533
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



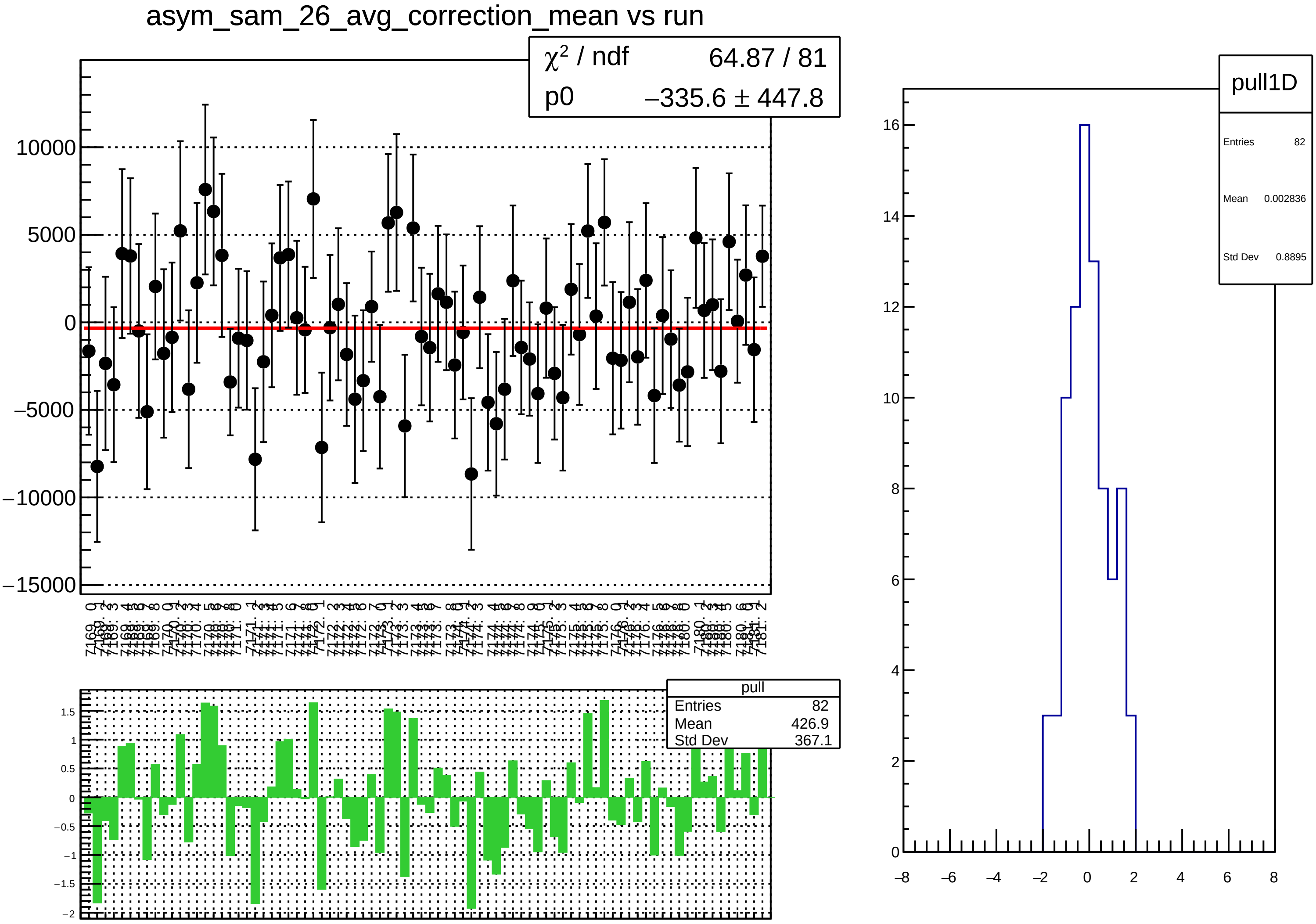
asym_sam_15_avg_rms vs run
χ^2 / ndf 6173 / 81
p0 347.1 ± 0.2775
420
400
380
360
340
320
300



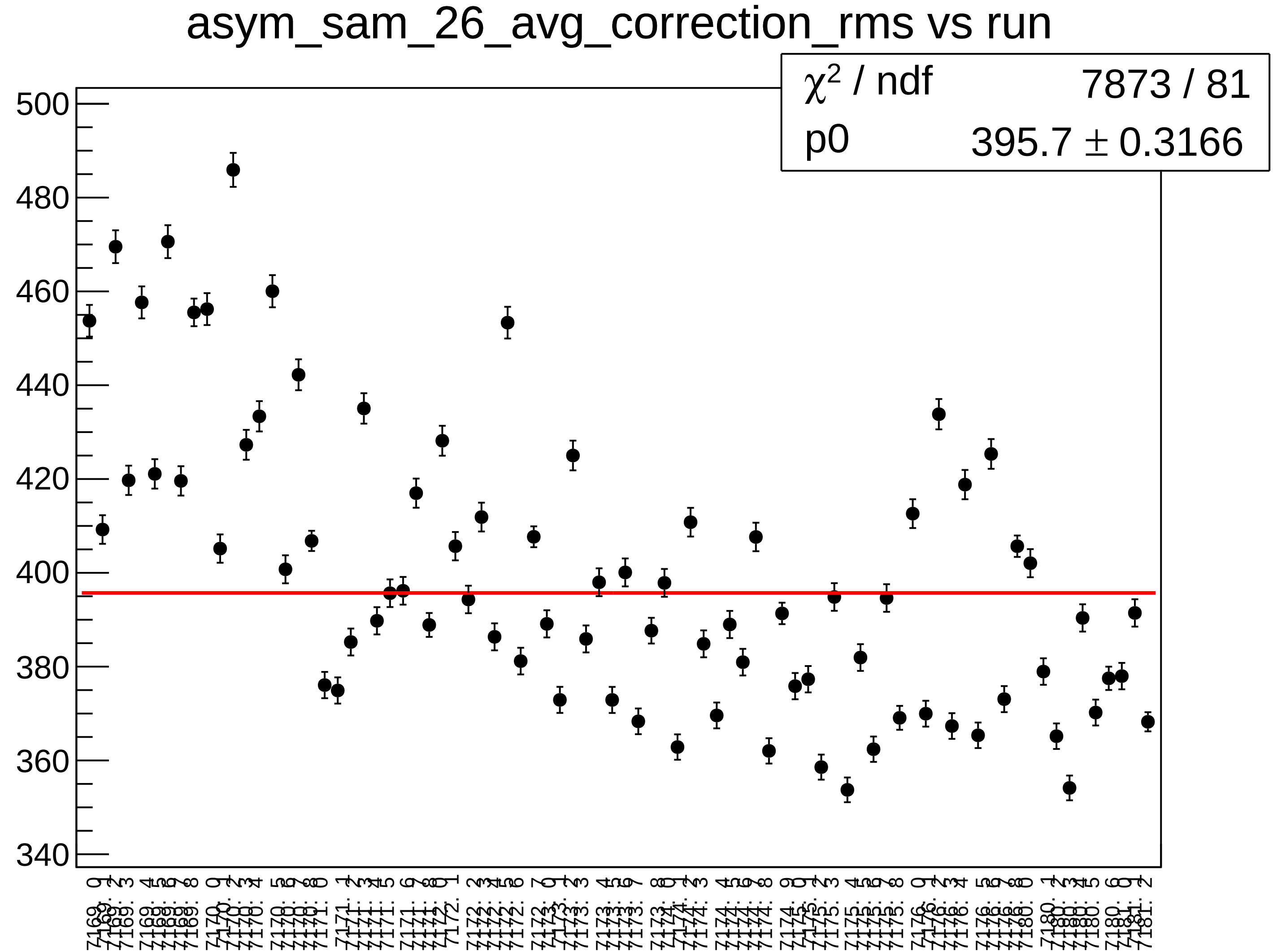
dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 66.6 / 81
p0 −104.3 ± 83.93
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 9.591
Std Dev 29.87
pull1D
Entries 82
Mean −0.02126
Std Dev 0.901

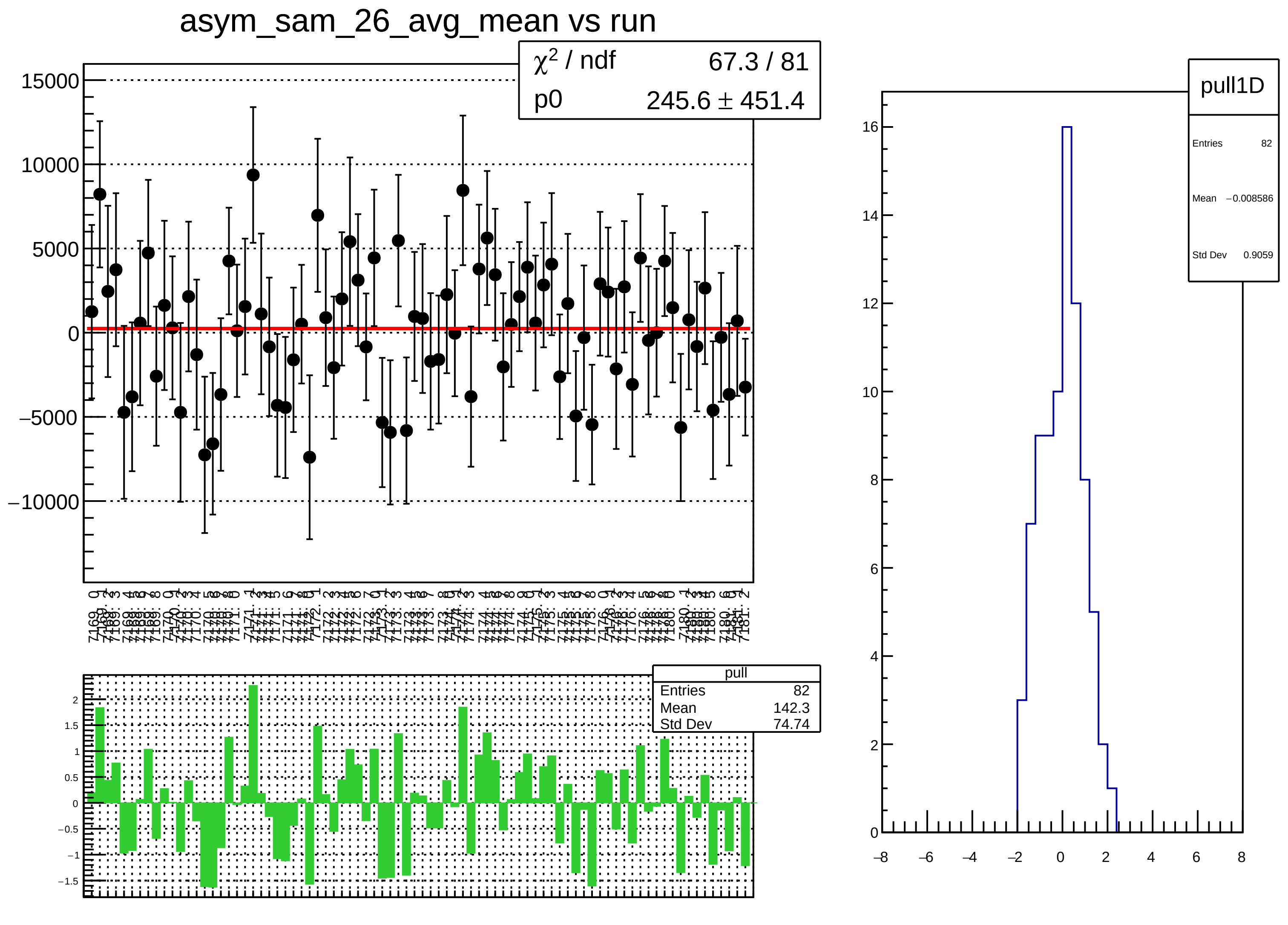


dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 3643 / 81
p0 74.27 ± 0.05935

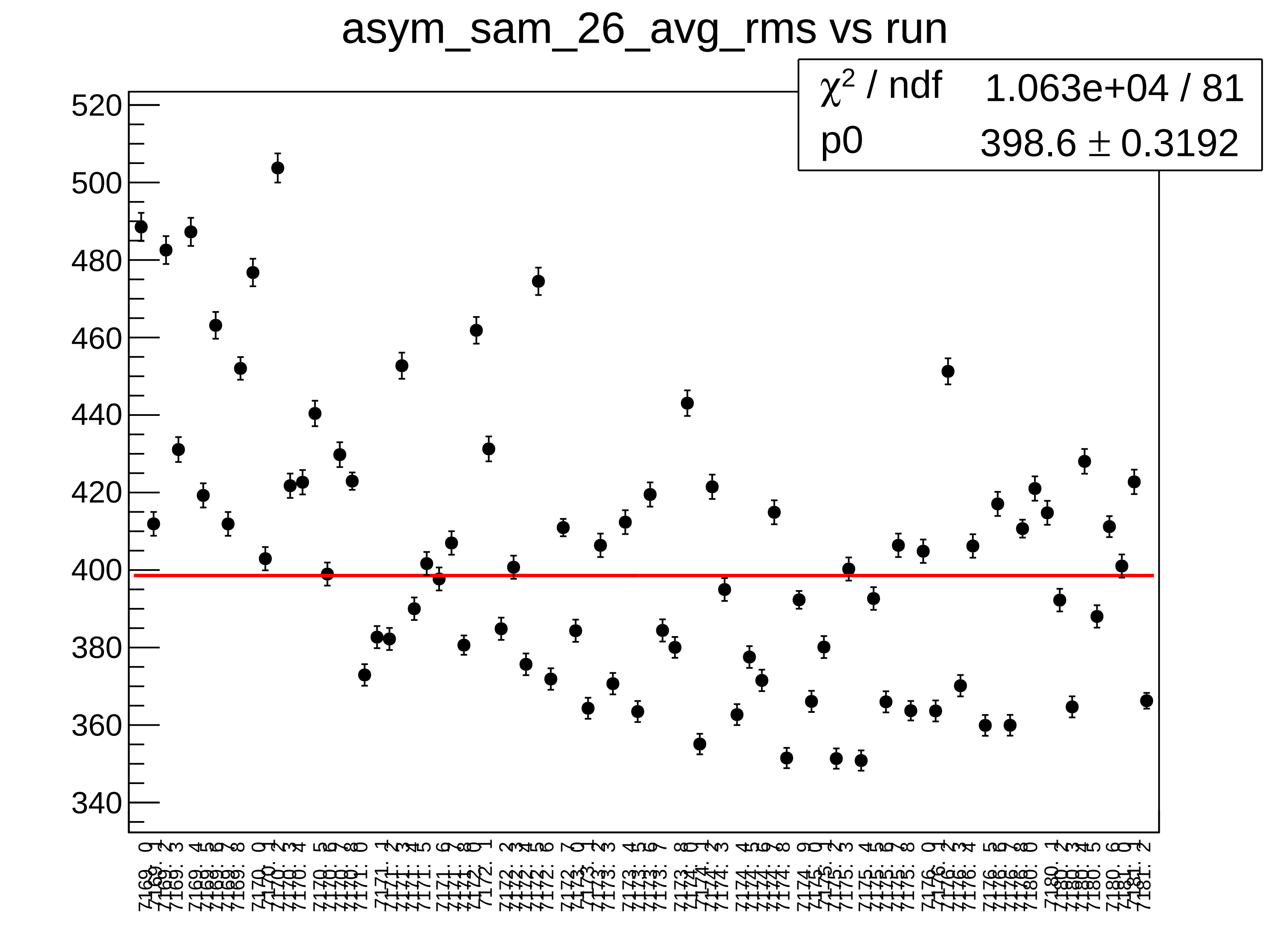


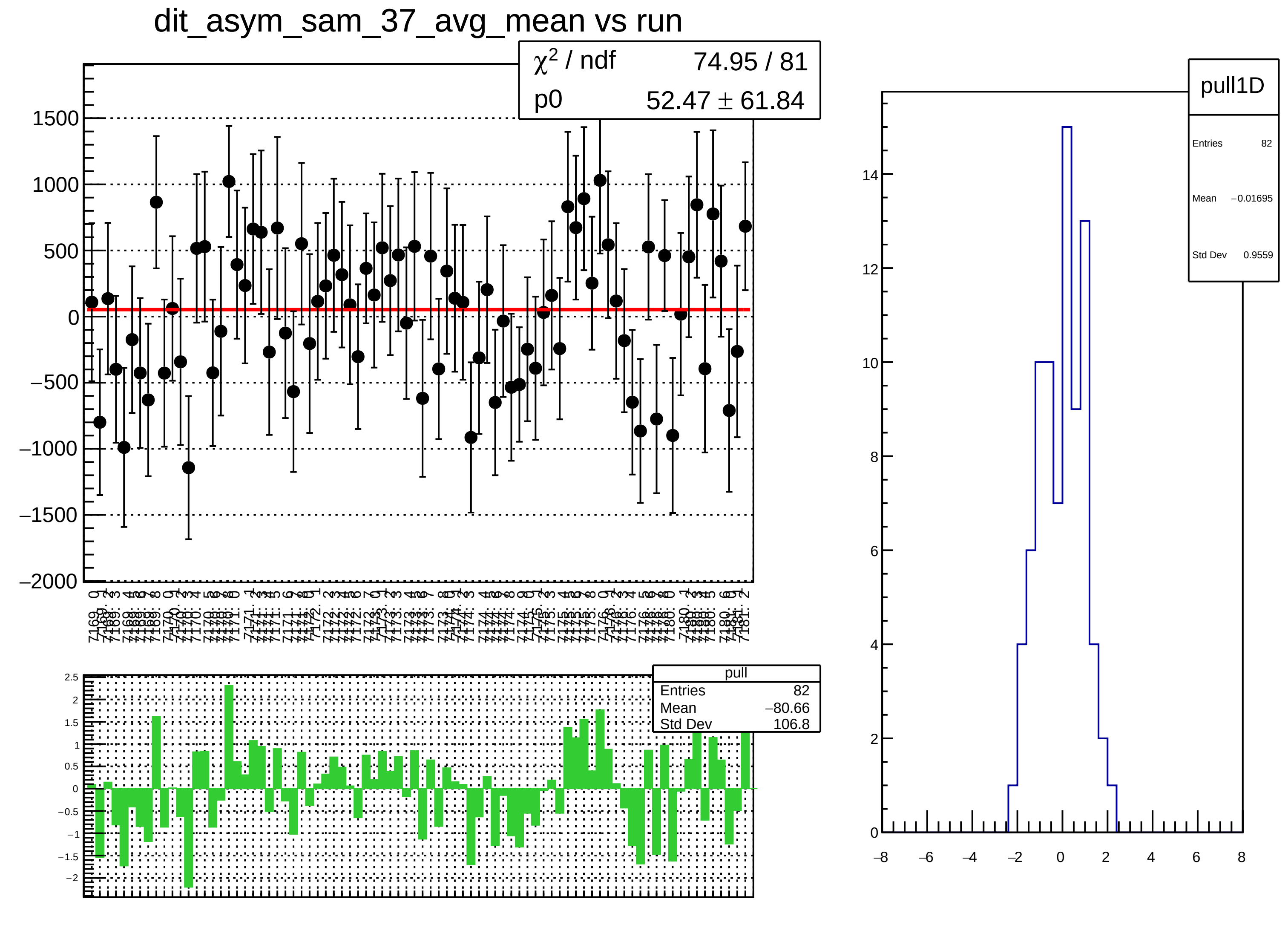
asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 64.87 / 81
p0 −335.6 ± 447.8
pull
Entries 82
Mean 426.9
Std Dev 367.1
pull1D
Entries 82
Mean 0.002836
Std Dev 0.8895


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 7873 / 81
p0 395.7 ± 0.3166
500
480
460
440
420
400
380
360
340

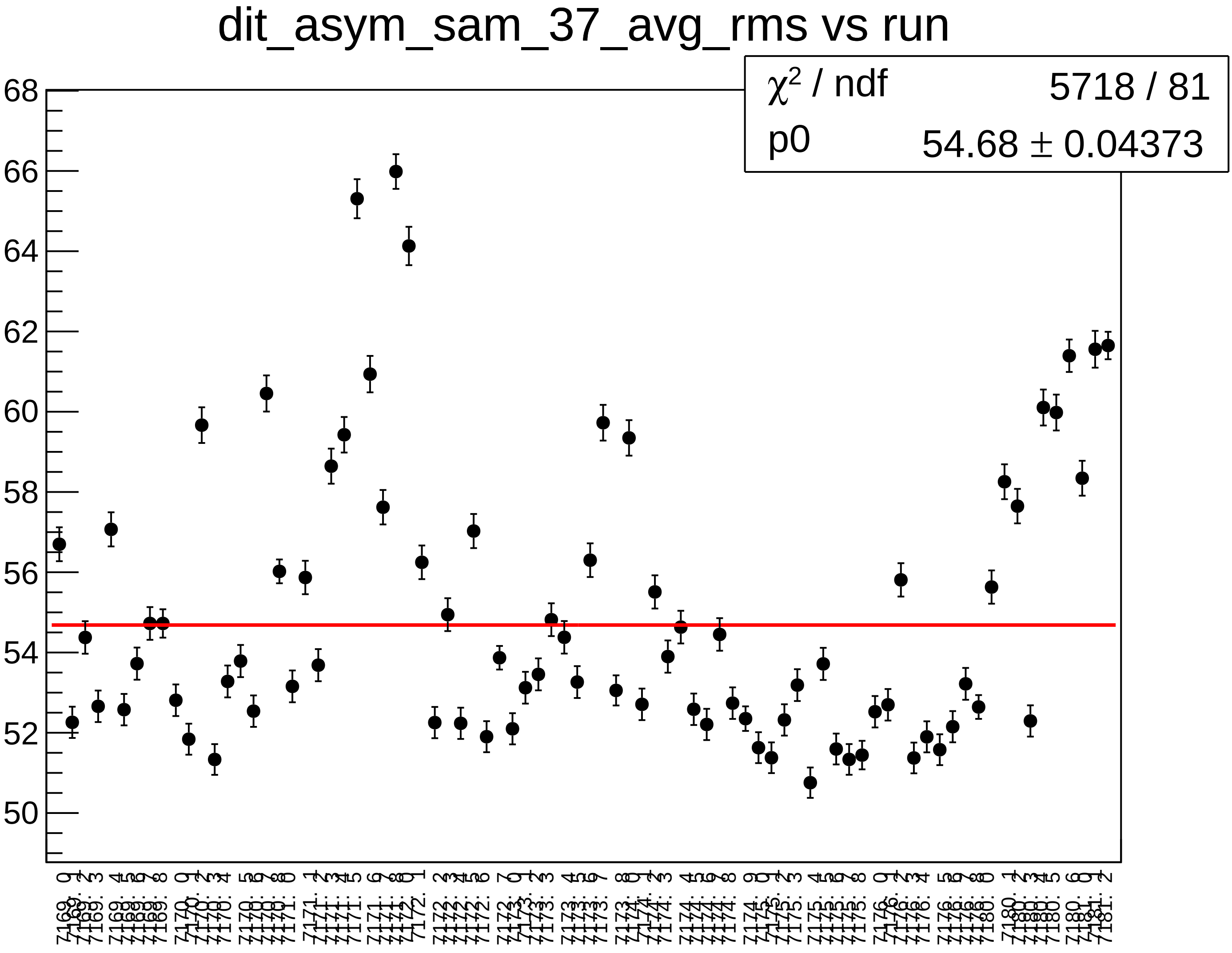


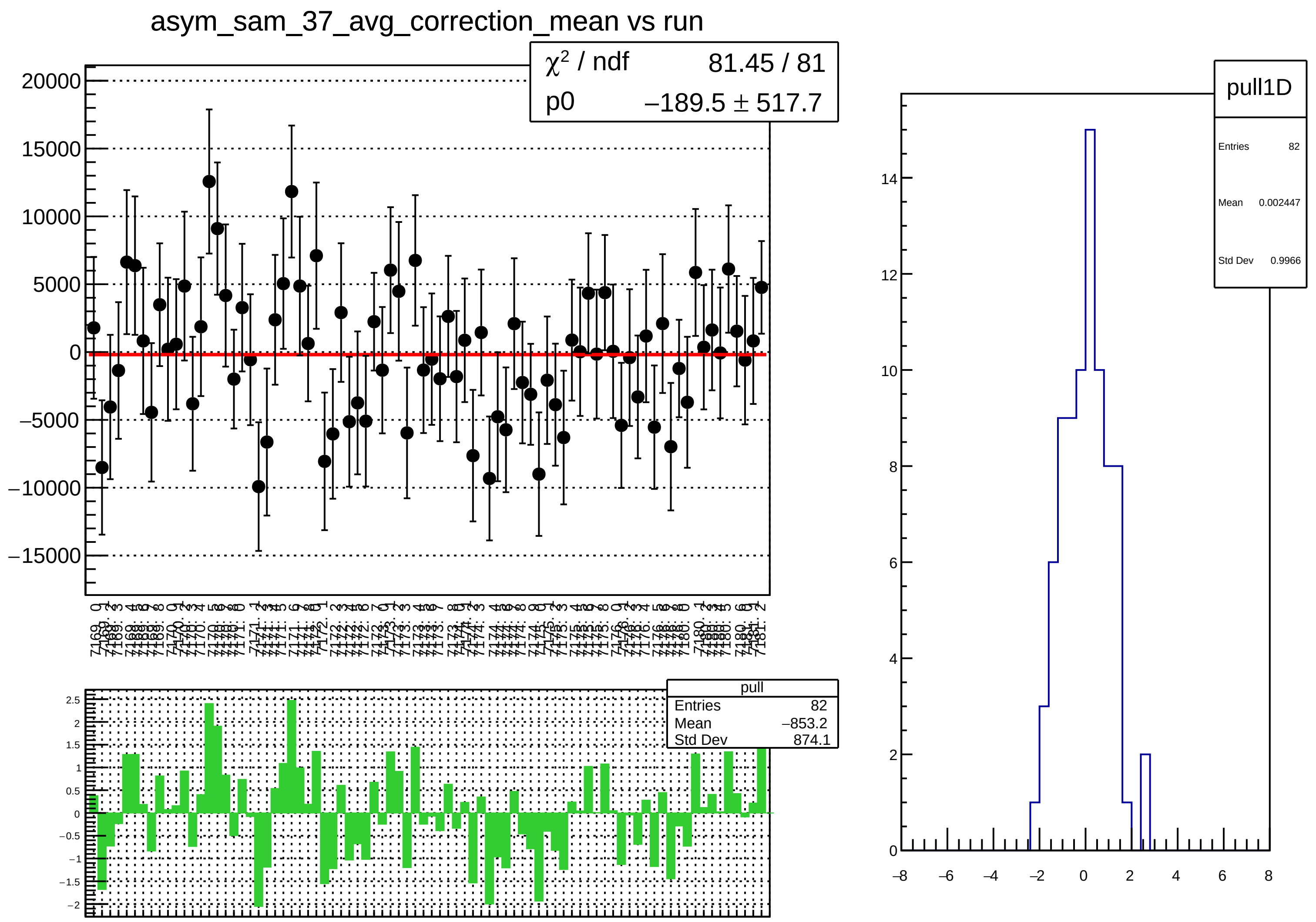
asym_sam_26_avg_mean vs run
χ^2 / ndf 67.3 / 81
p0 245.6 ± 451.4
pull
Entries 82
Mean 142.3
Std Dev 74.74
pull1D
Entries 82
Mean −0.008586
Std Dev 0.9059


asym_sam_26_avg_rms vs run
χ2 / ndf 1.063e+04 / 81
p0 398.6 ± 0.3192
520
500
480
460
440
420
400
380
360
340

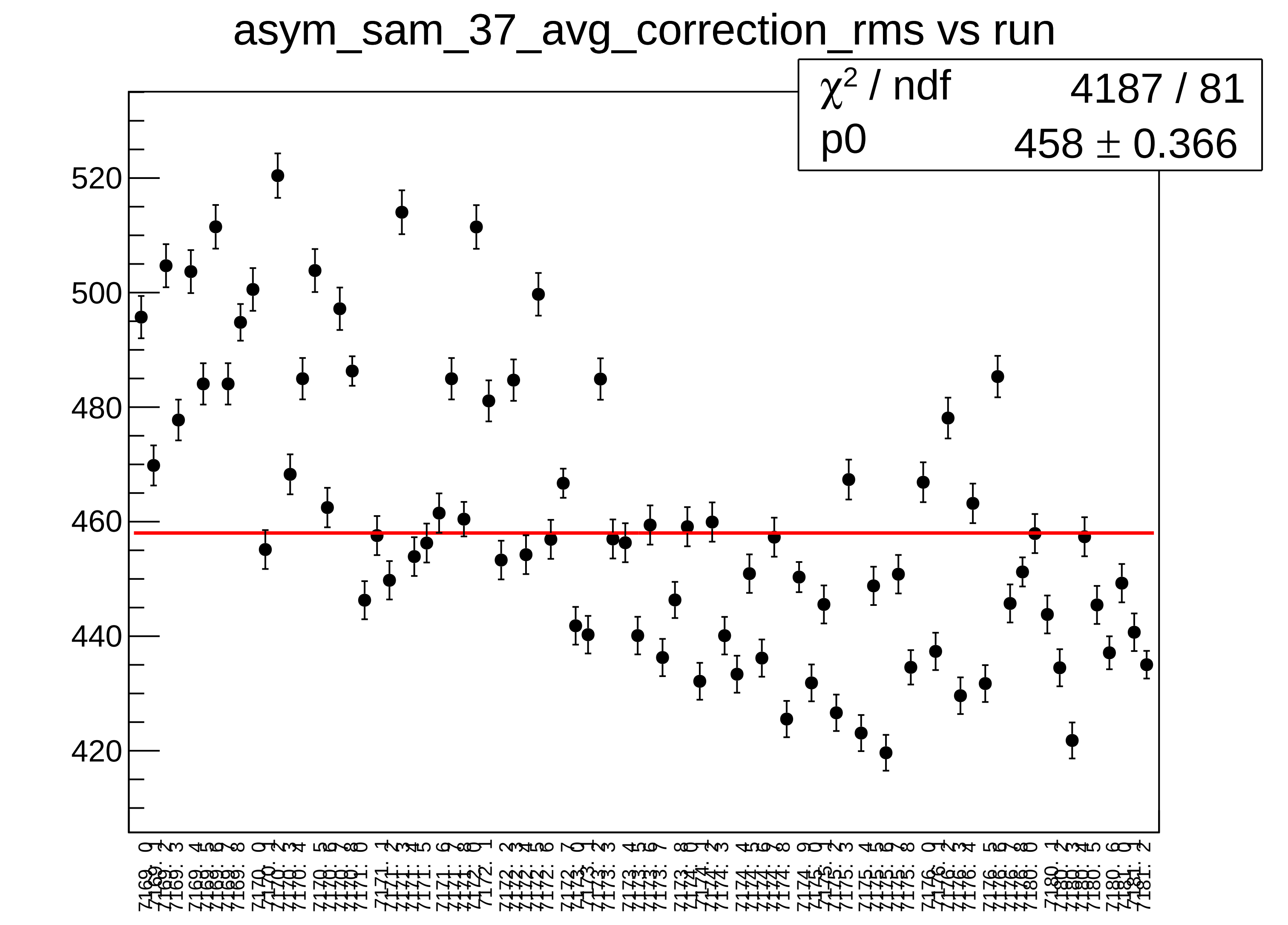


dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 74.95 / 81
p0 52.47 ± 61.84
pull
Entries 82
Mean −80.66
Std Dev 106.8
pull1D
Entries 82
Mean −0.01695
Std Dev 0.9559

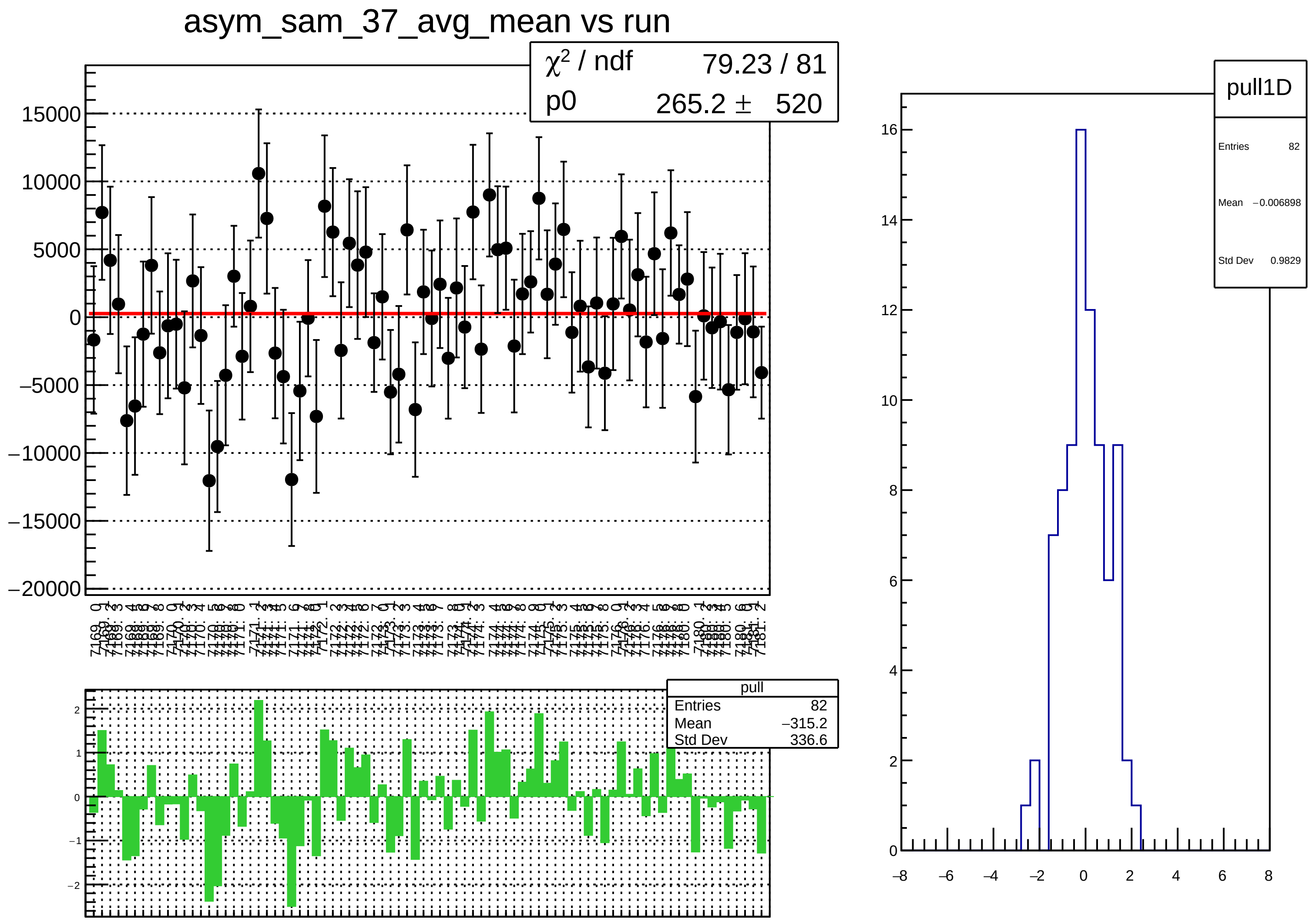

dit_asym_sam_37_avg_rms vs run
χ2 / ndf
5718 / 81
p0
54.68 ± 0.04373
68
66
64
62
60
58
56
54
52
50



asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 81.45 / 81
p0 −189.5 ± 517.7
pull
Entries 82
Mean −853.2
Std Dev 874.1
pull1D
Entries 82
Mean 0.002447
Std Dev 0.9966

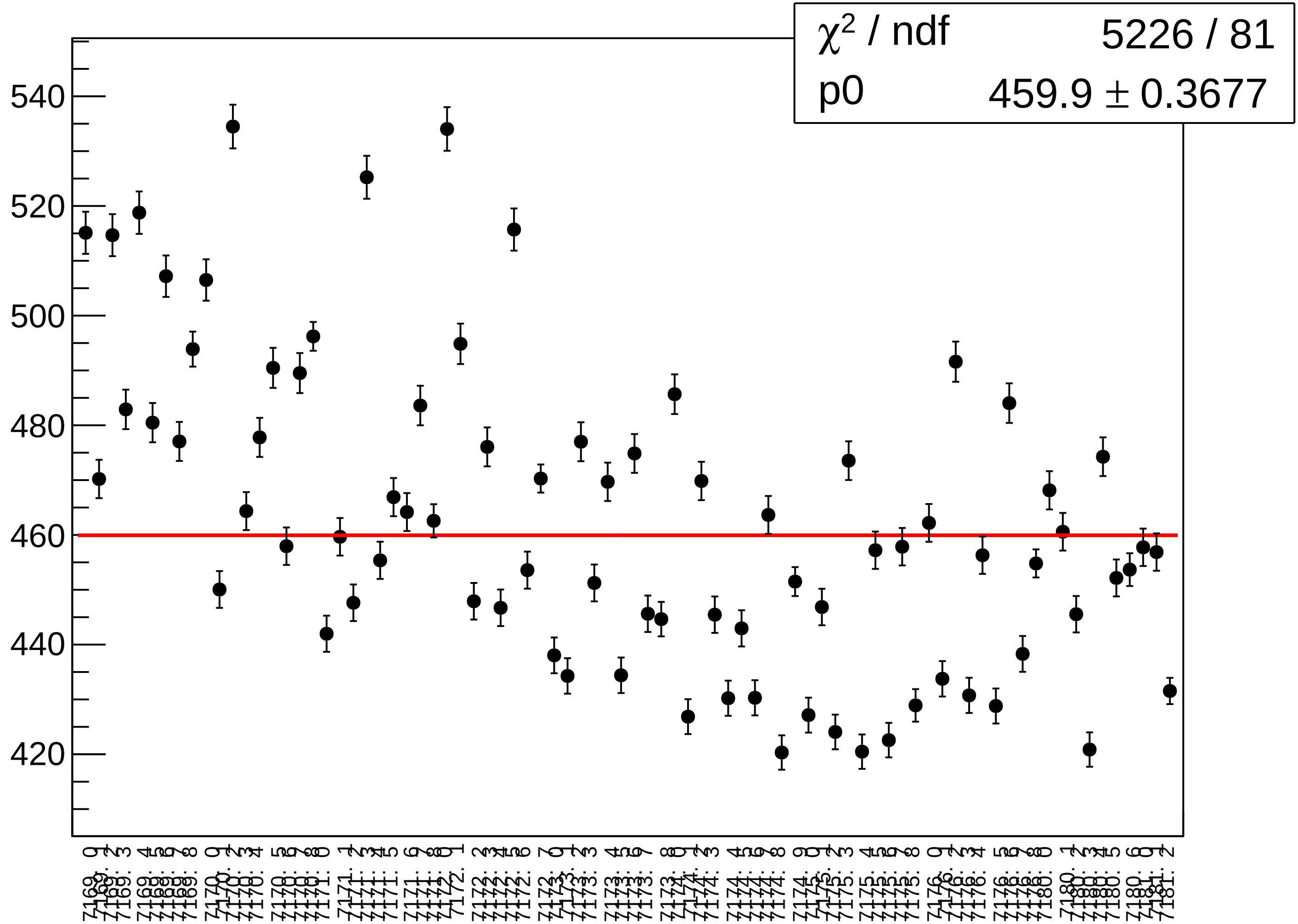


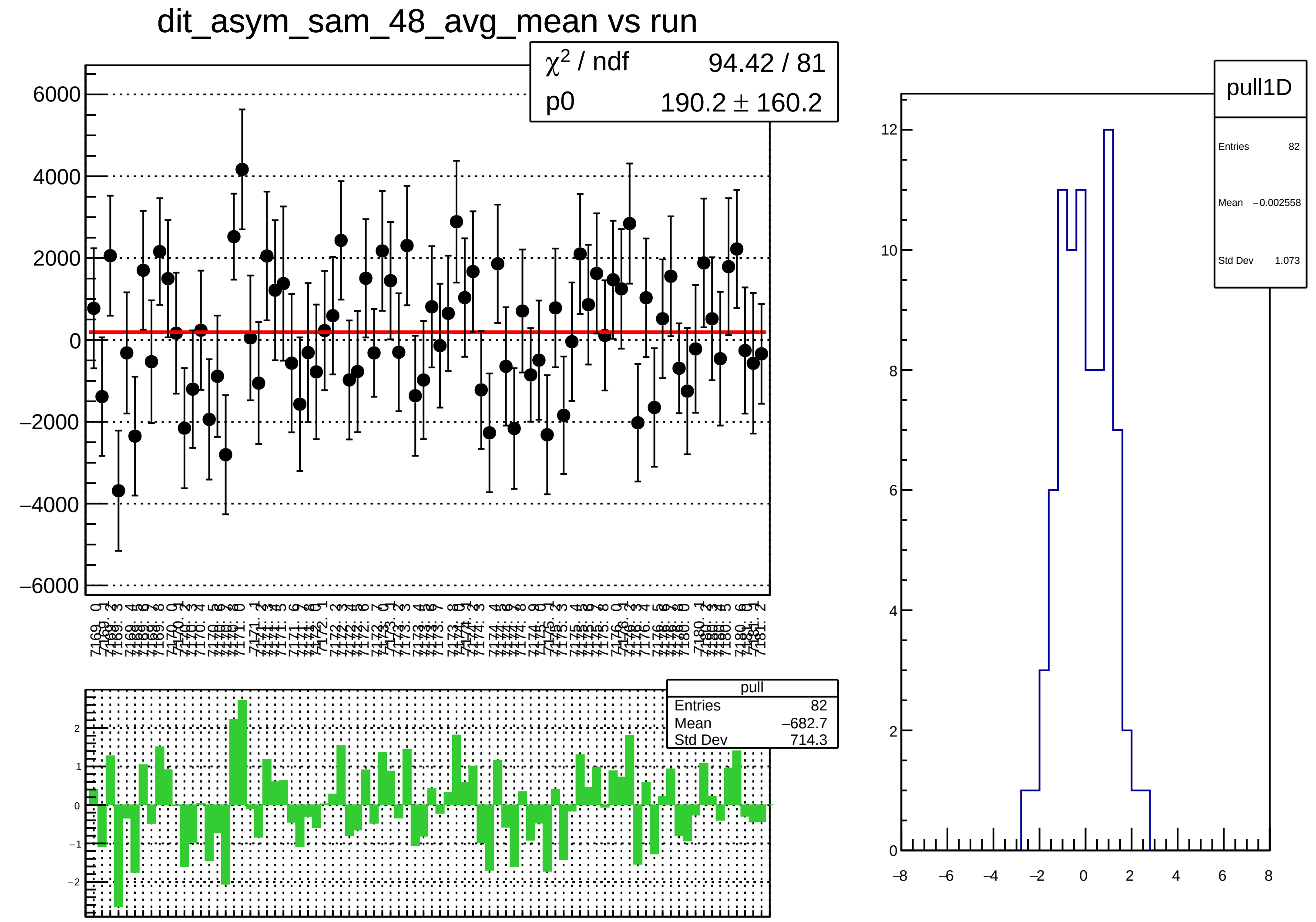
asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 4187 / 81
p0 458 ± 0.366
520
500
480
460
440
420



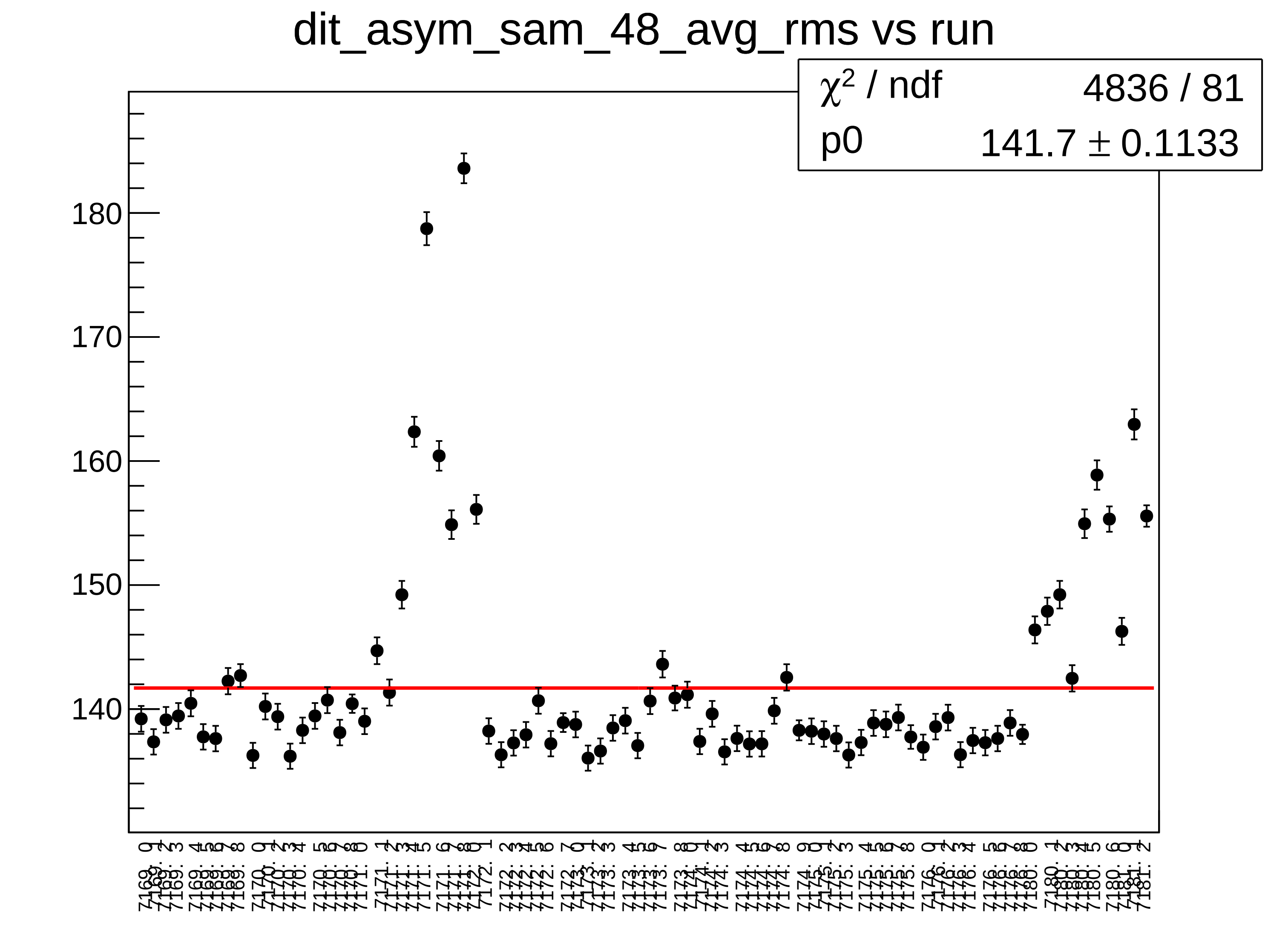
asym_sam_37_avg_mean vs run
χ^2 / ndf 79.23 / 81
p0 265.2 ± 520
pull
Entries 82
Mean −315.2
Std Dev 336.6
pull1D
Entries 82
Mean −0.006898
Std Dev 0.9829

asym_sam_37_avg_rms vs run

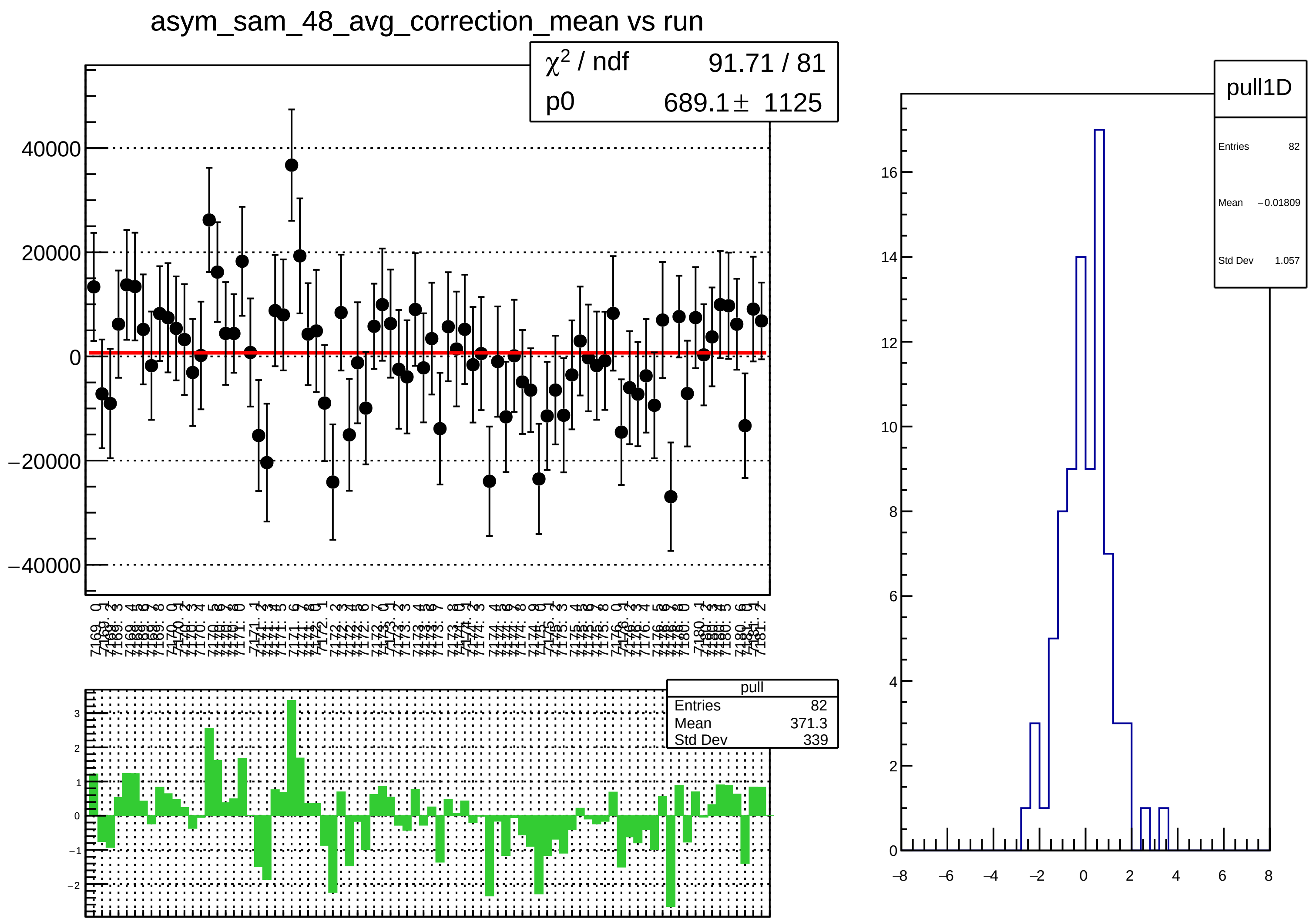


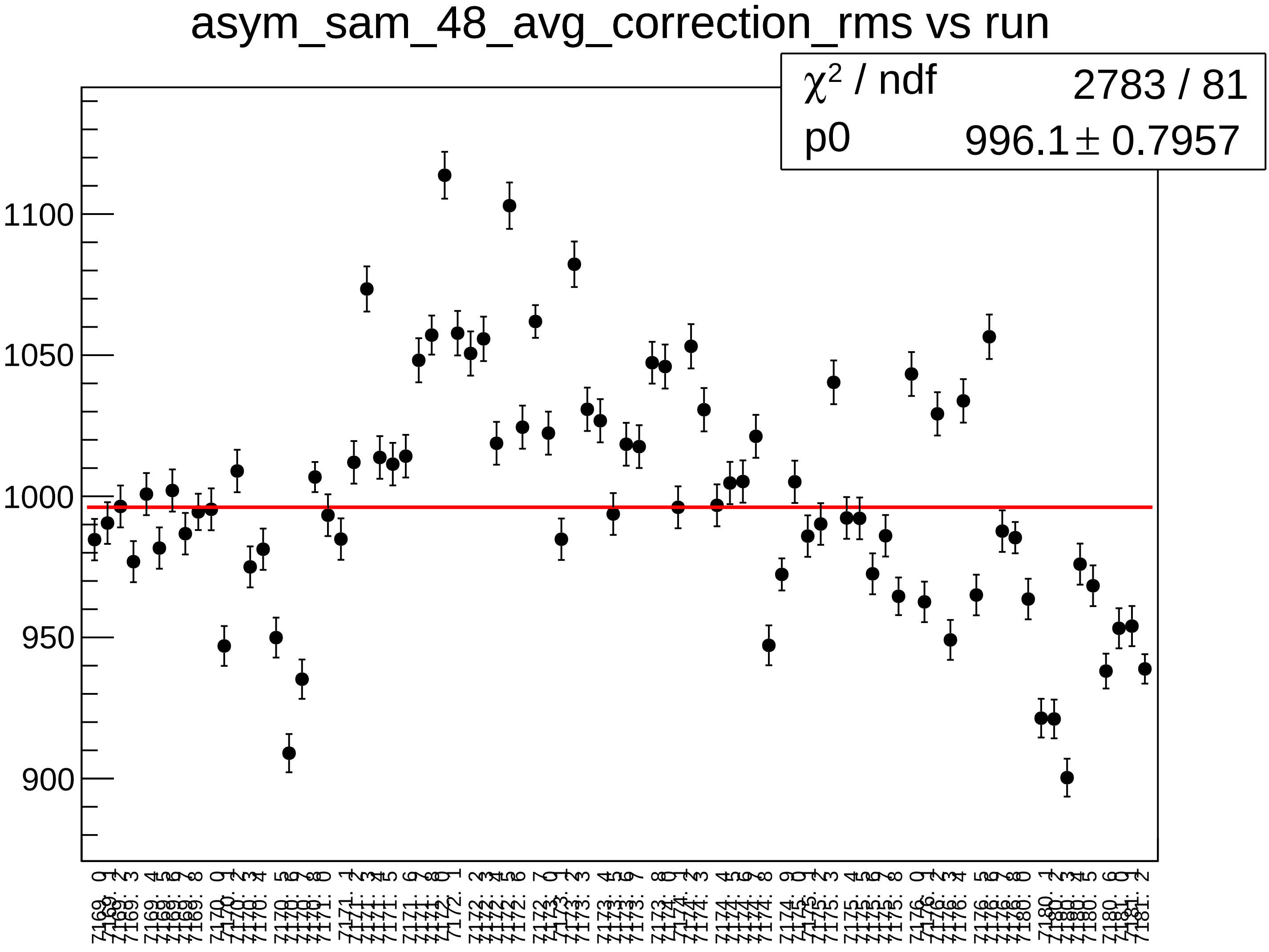


dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 94.42 / 81
p0 190.2 ± 160.2
pull
Entries 82
Mean −682.7
Std Dev 714.3
pull1D
Entries 82
Mean −0.002558
Std Dev 1.073

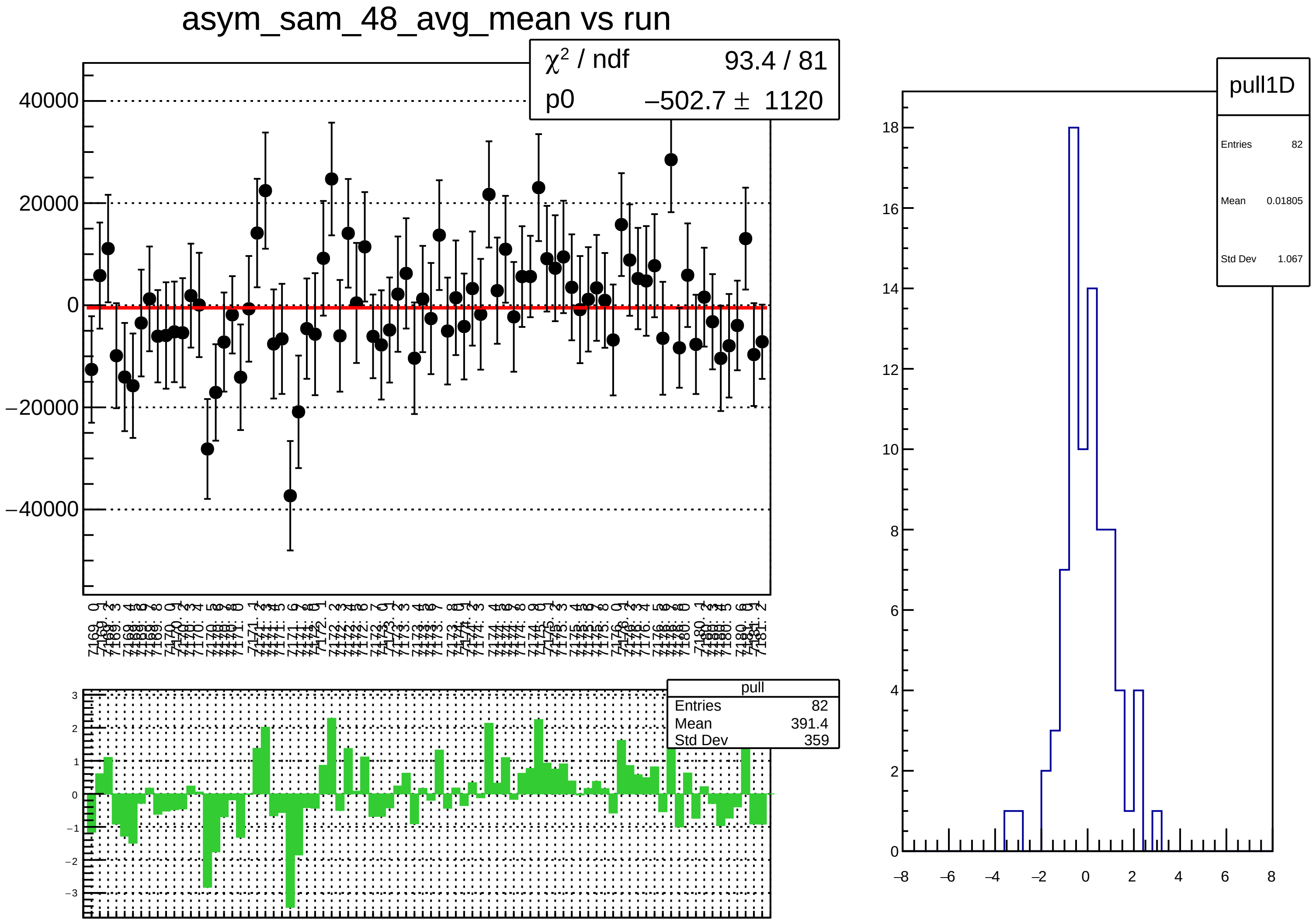


dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 4836 / 81
p0 141.7 ± 0.1133
180
170
160
150
140

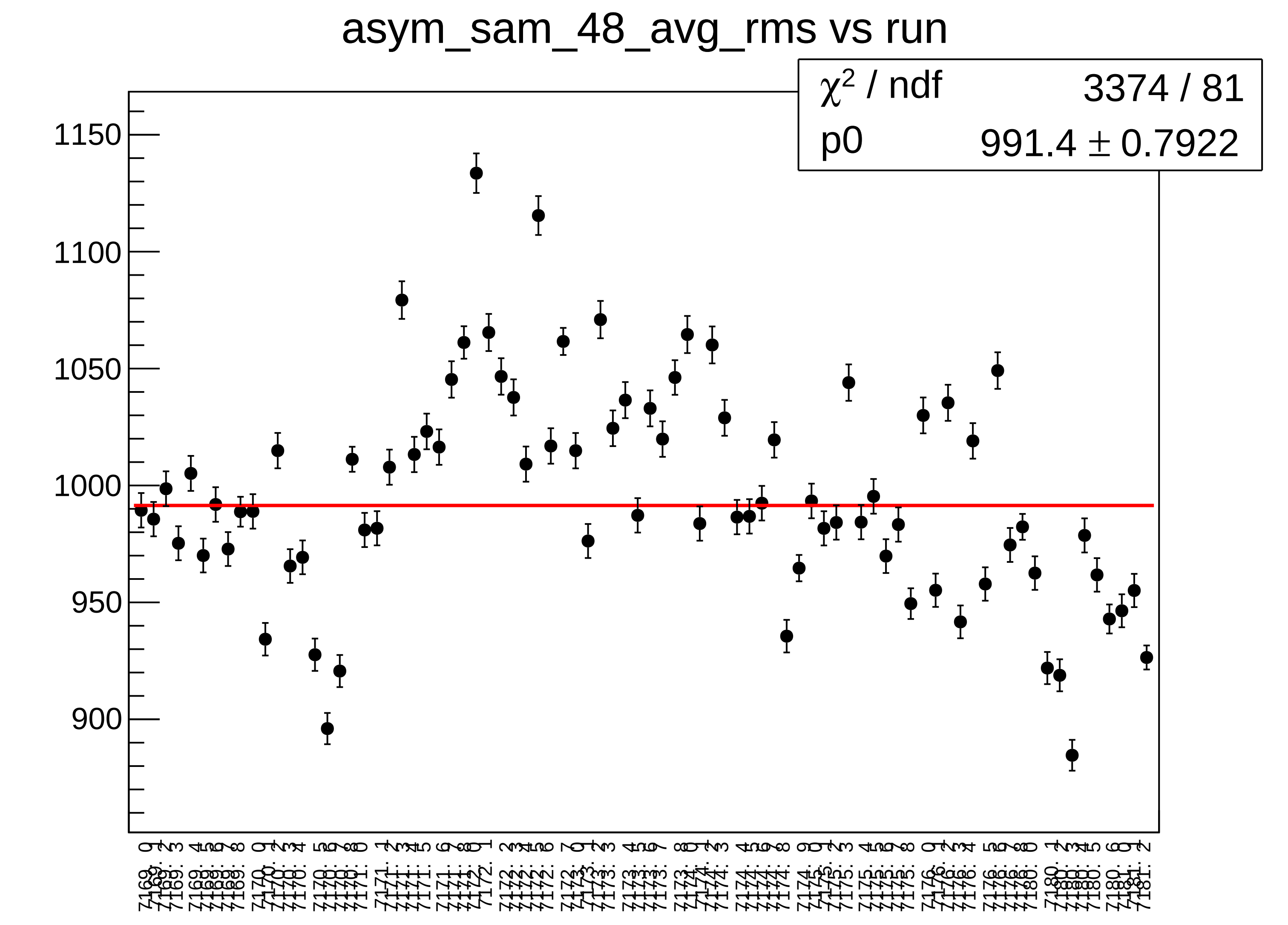

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 91.71 / 81
p0 689.1 ± 1125
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 371.3
Std Dev 339
pull1D
Entries 82
Mean −0.01809
Std Dev 1.057



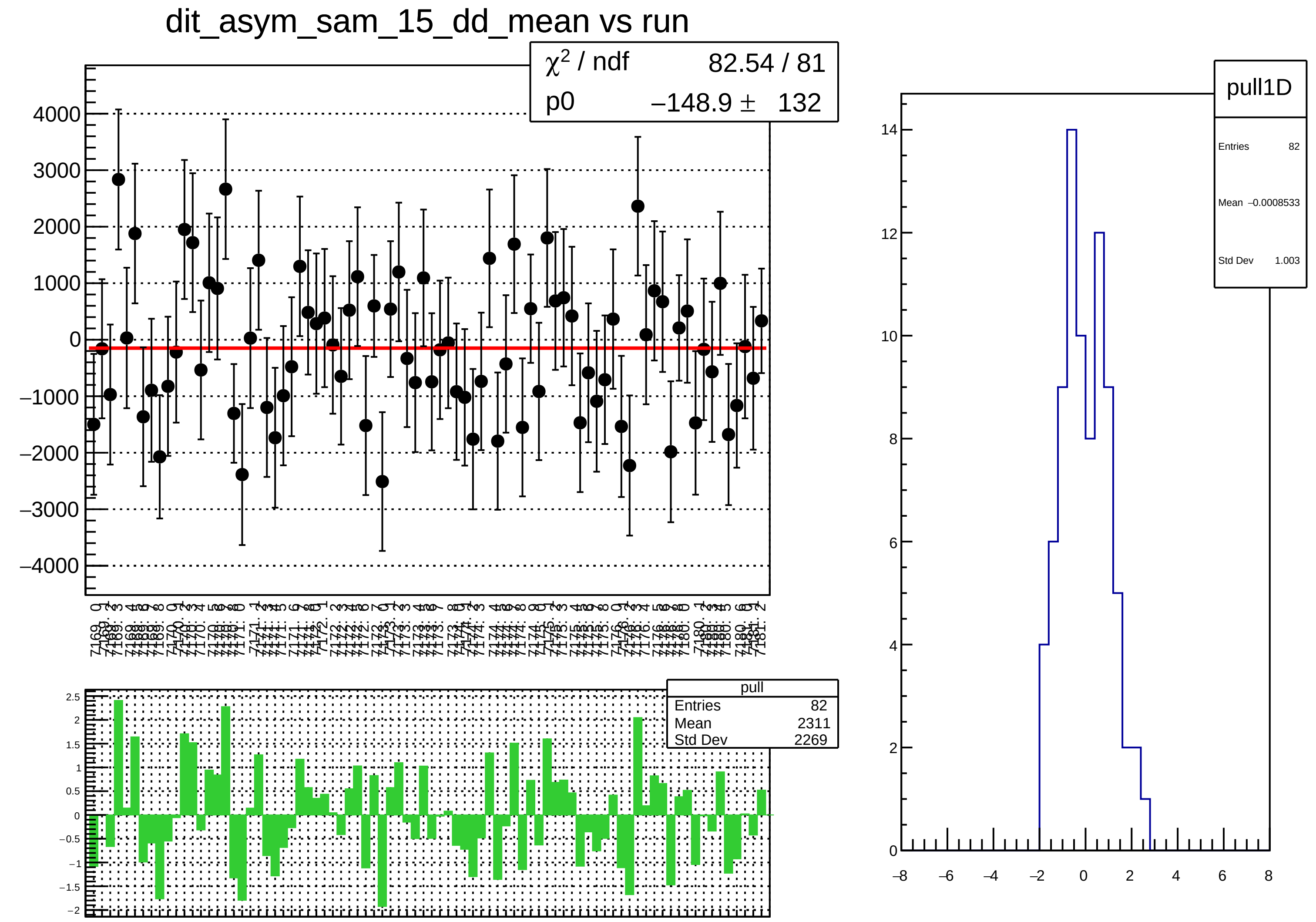
asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 2783 / 81
p0 996.1 ± 0.7957
1100
1050
1000
950
900

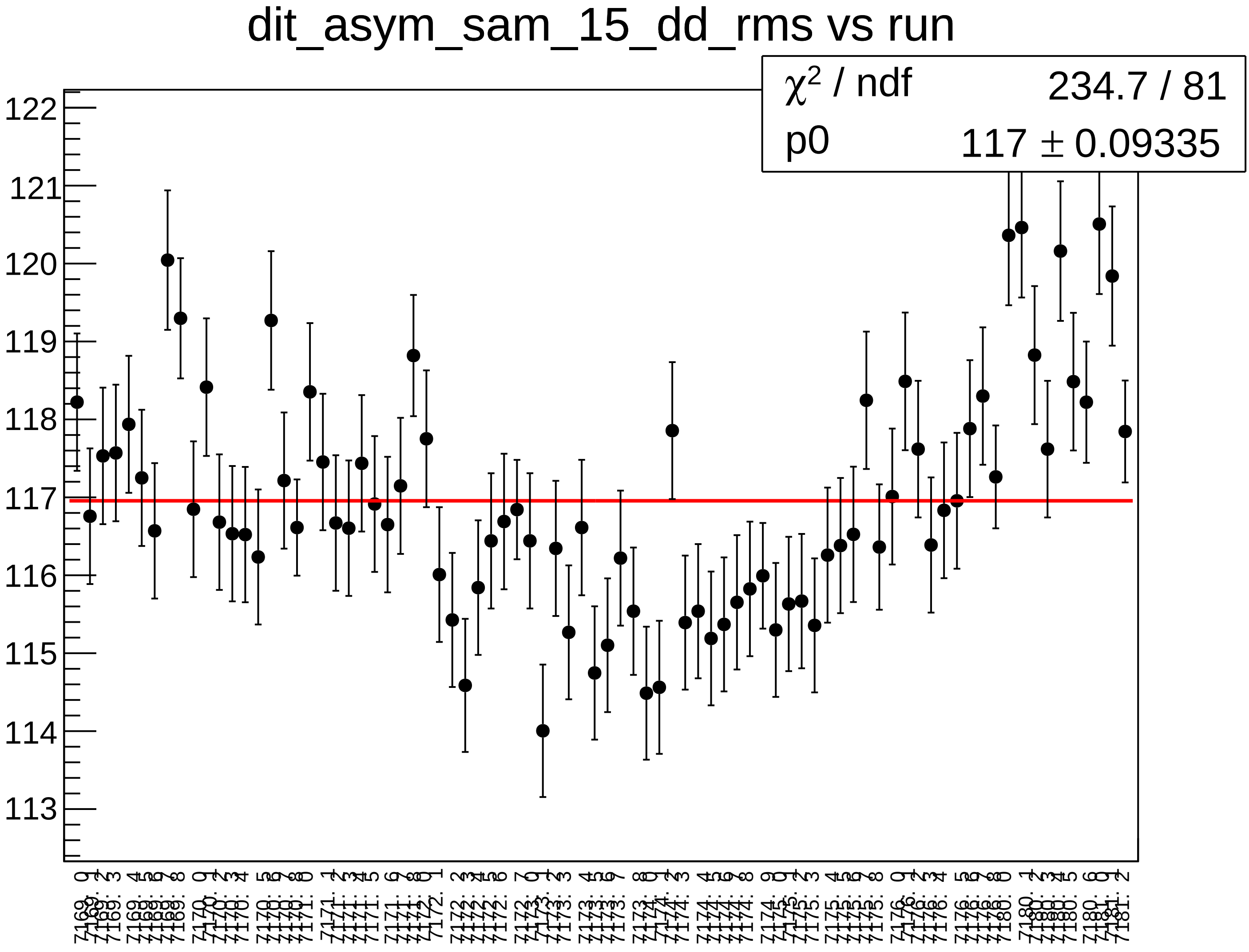


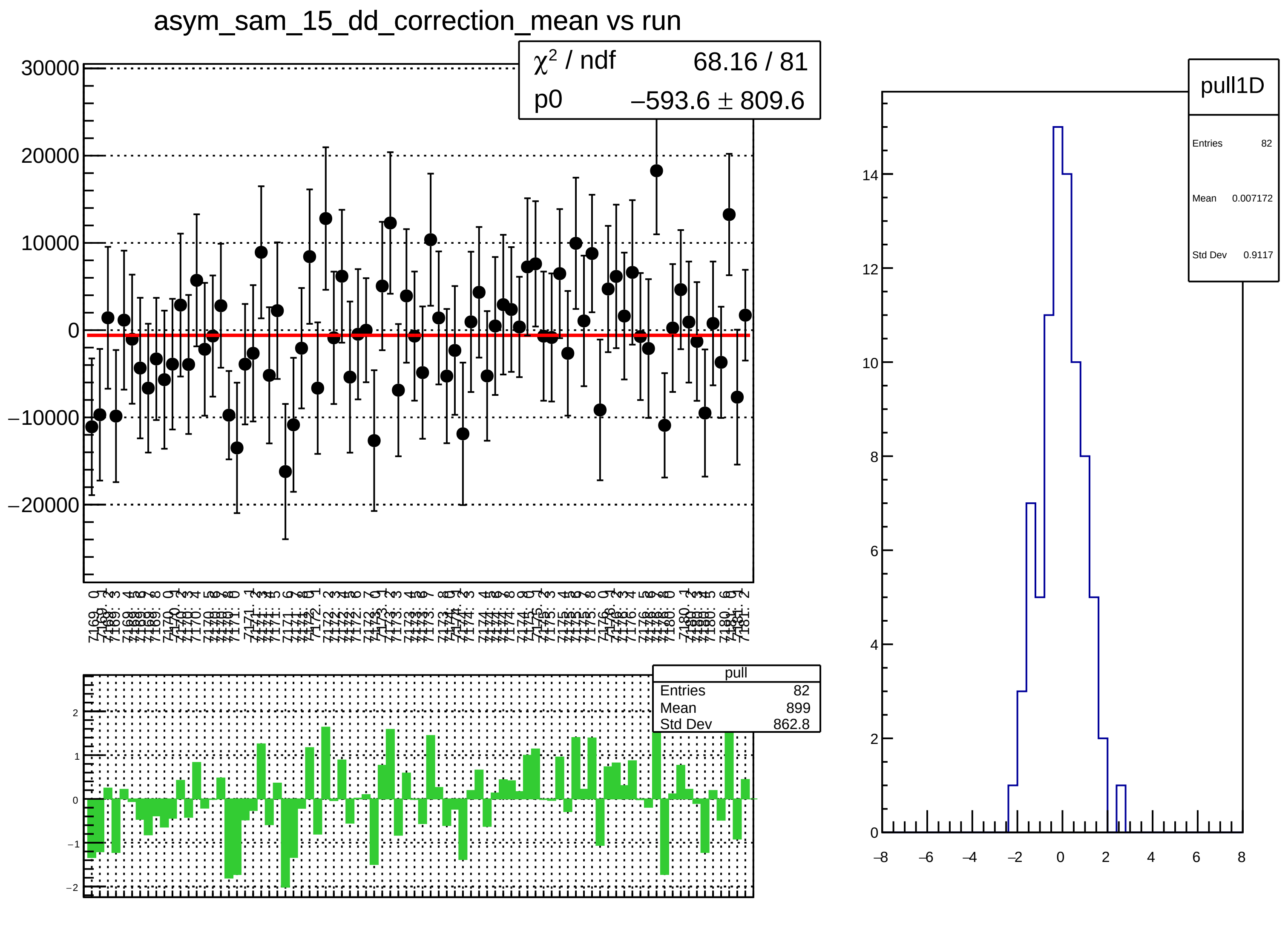
asym_sam_48_avg_mean vs run
χ2 / ndf 93.4 / 81
p0 −502.7 ± 1120
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 391.4
Std Dev 359
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.01805
Std Dev 1.067
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

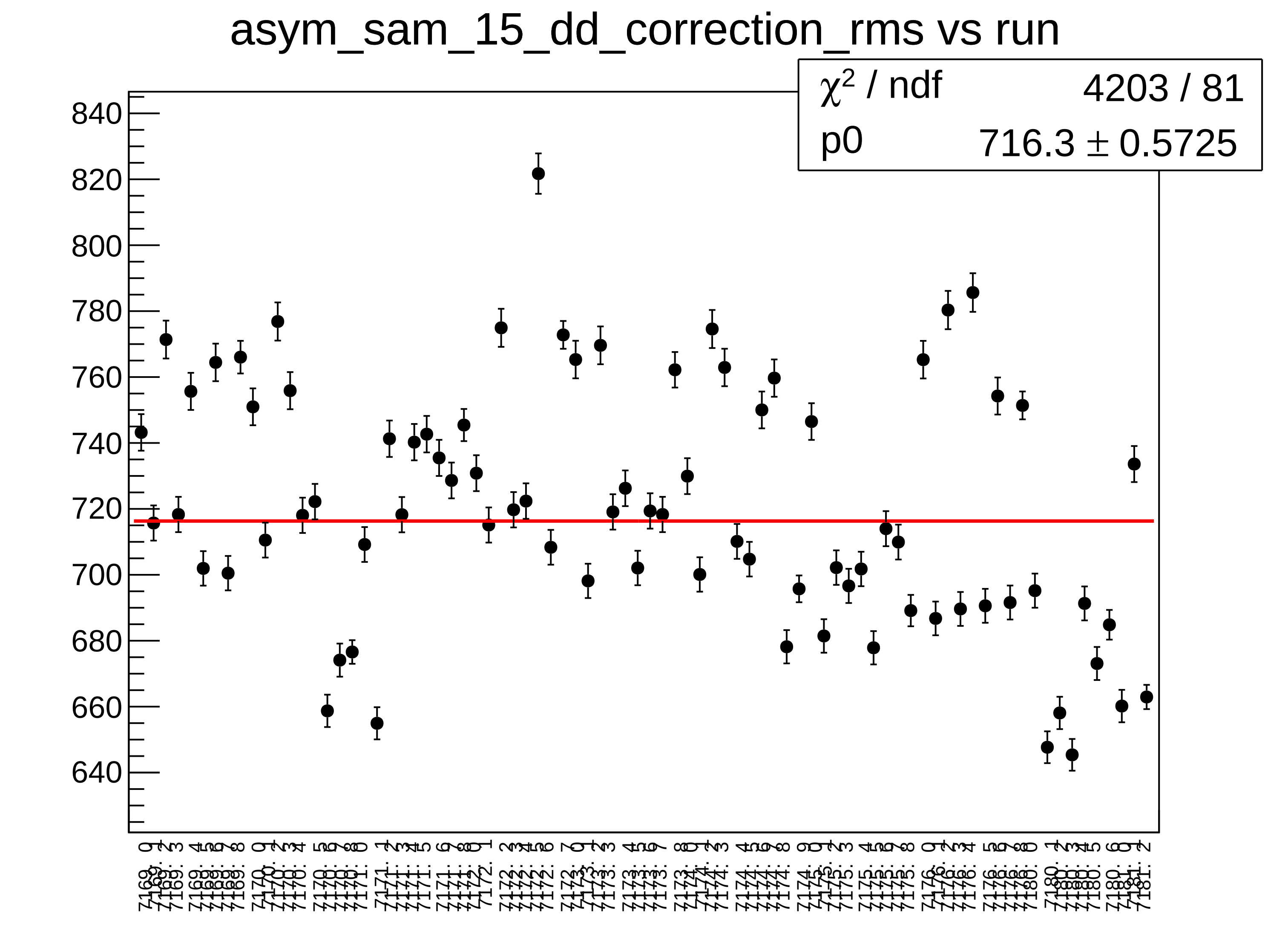


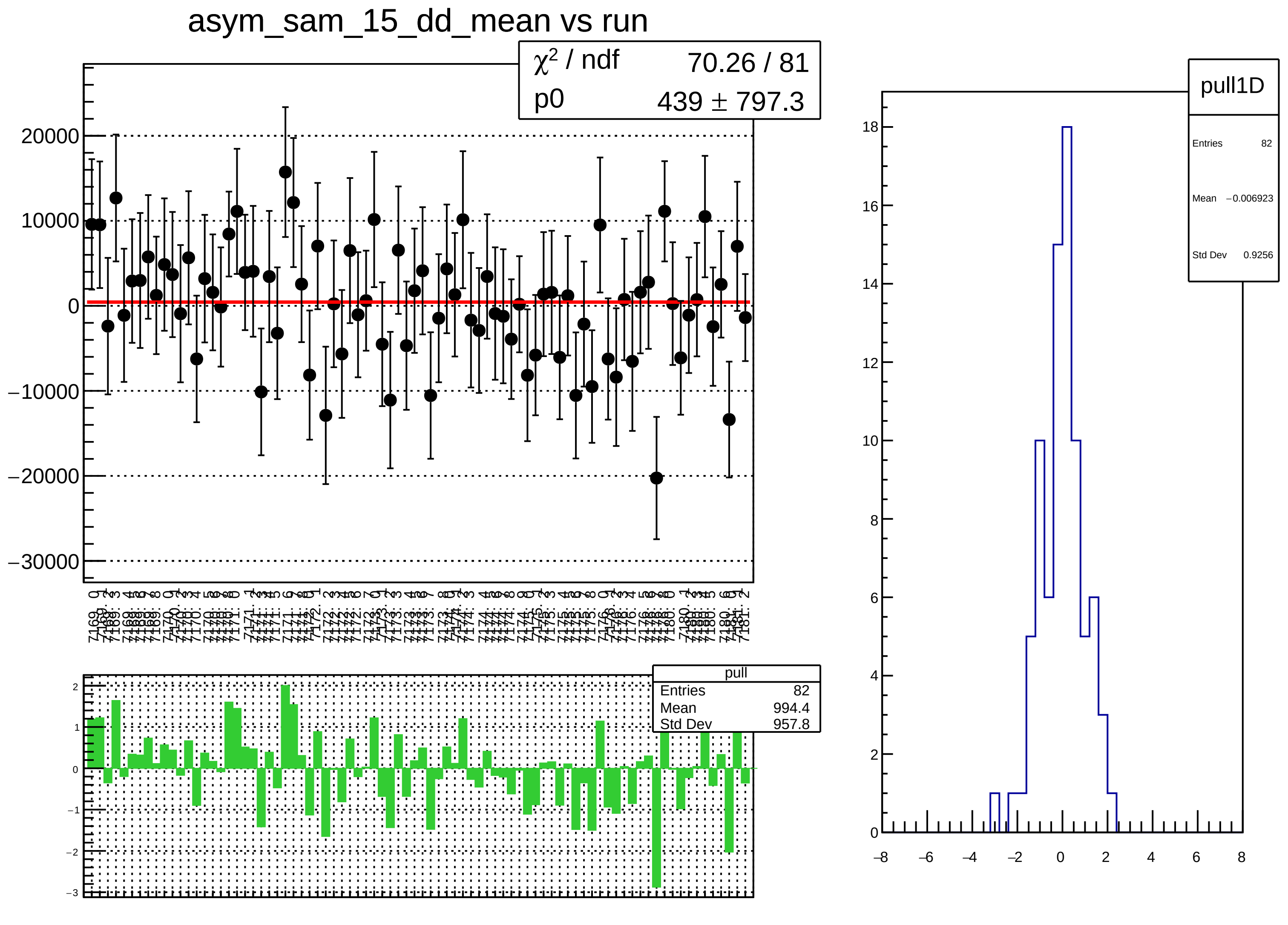
asym_sam_48_avg_rms vs run
χ2 / ndf 3374 / 81
p0 991.4 ± 0.7922
1150
1100
1050
1000
950
900


dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 82.54 / 81
p0 −148.9 ± 132
pull
Entries 82
Mean 2311
Std Dev 2269
pull1D
Entries 82
Mean −0.0008533
Std Dev 1.003

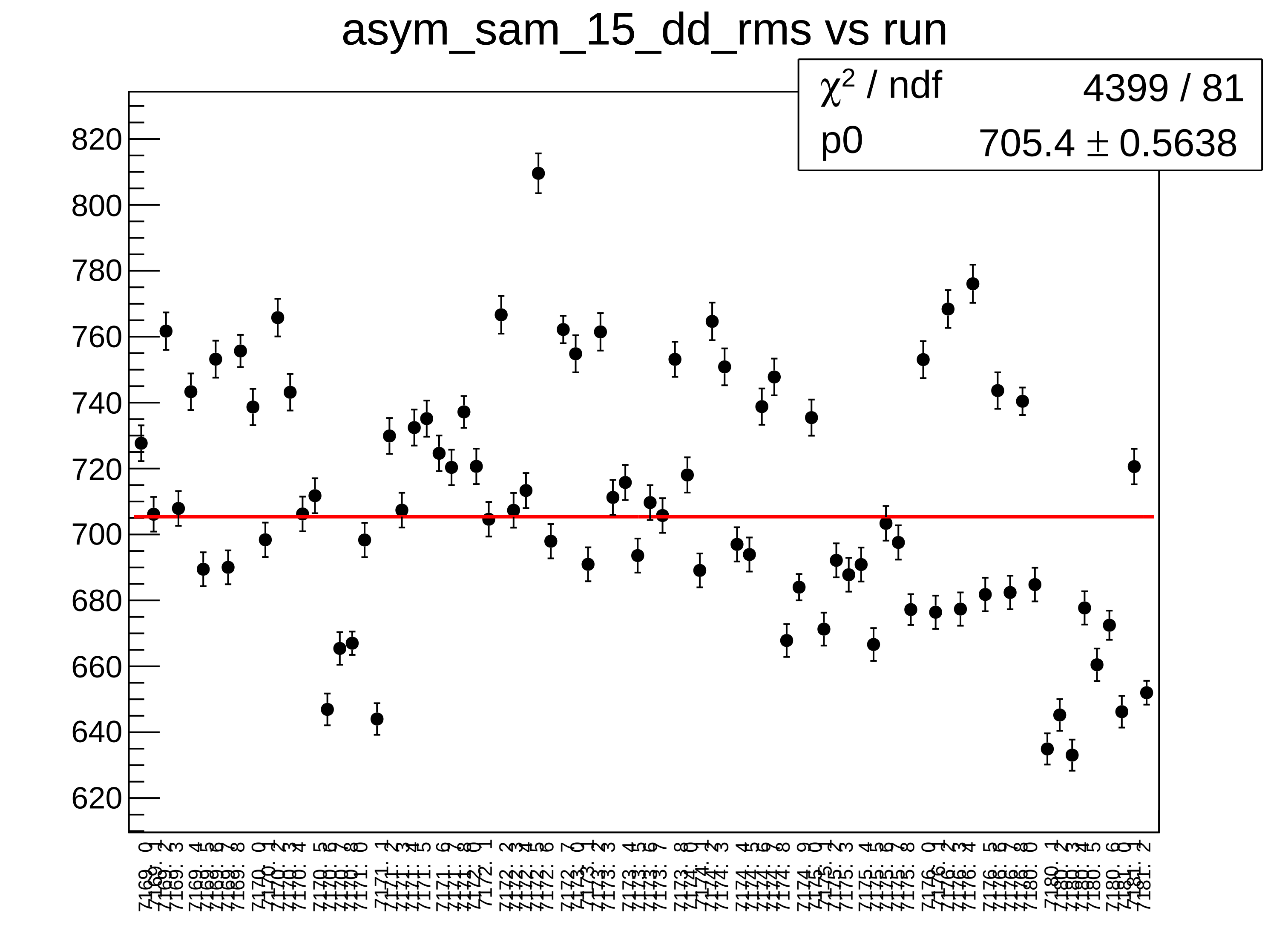

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 234.7 / 81
p0 117 ± 0.09335
122
121
120
119
118
117
116
115
114
113


asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 68.16 / 81
p0 −593.6 ± 809.6
pull
Entries 82
Mean 899
Std Dev 862.8
pull1D
Entries 82
Mean 0.007172
Std Dev 0.9117

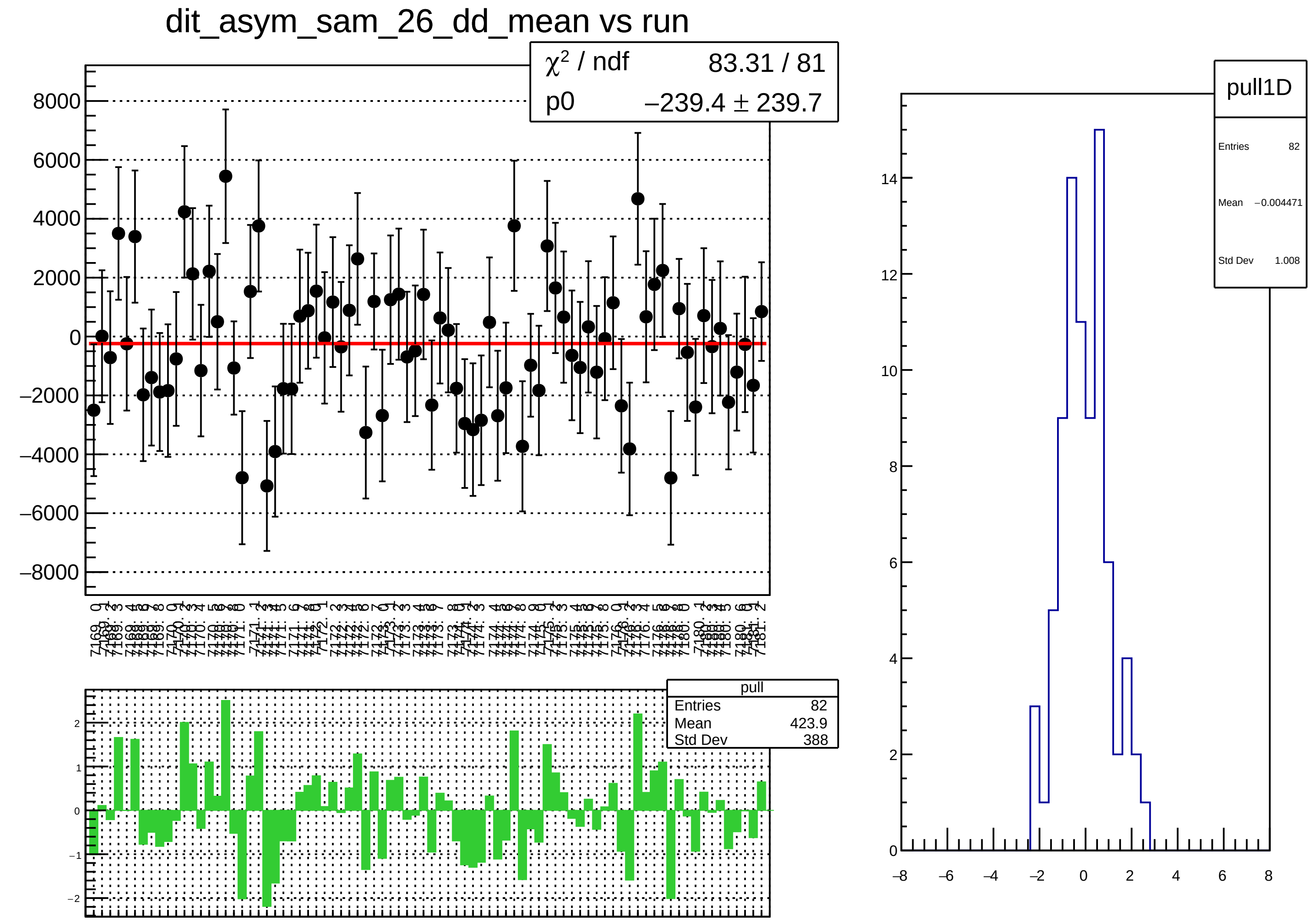

asym_sam_15_dd_correction_rms vs run
χ2 / ndf 4203 / 81
p0 716.3 ± 0.5725
840
820
800
780
760
740
720
700
680
660
640



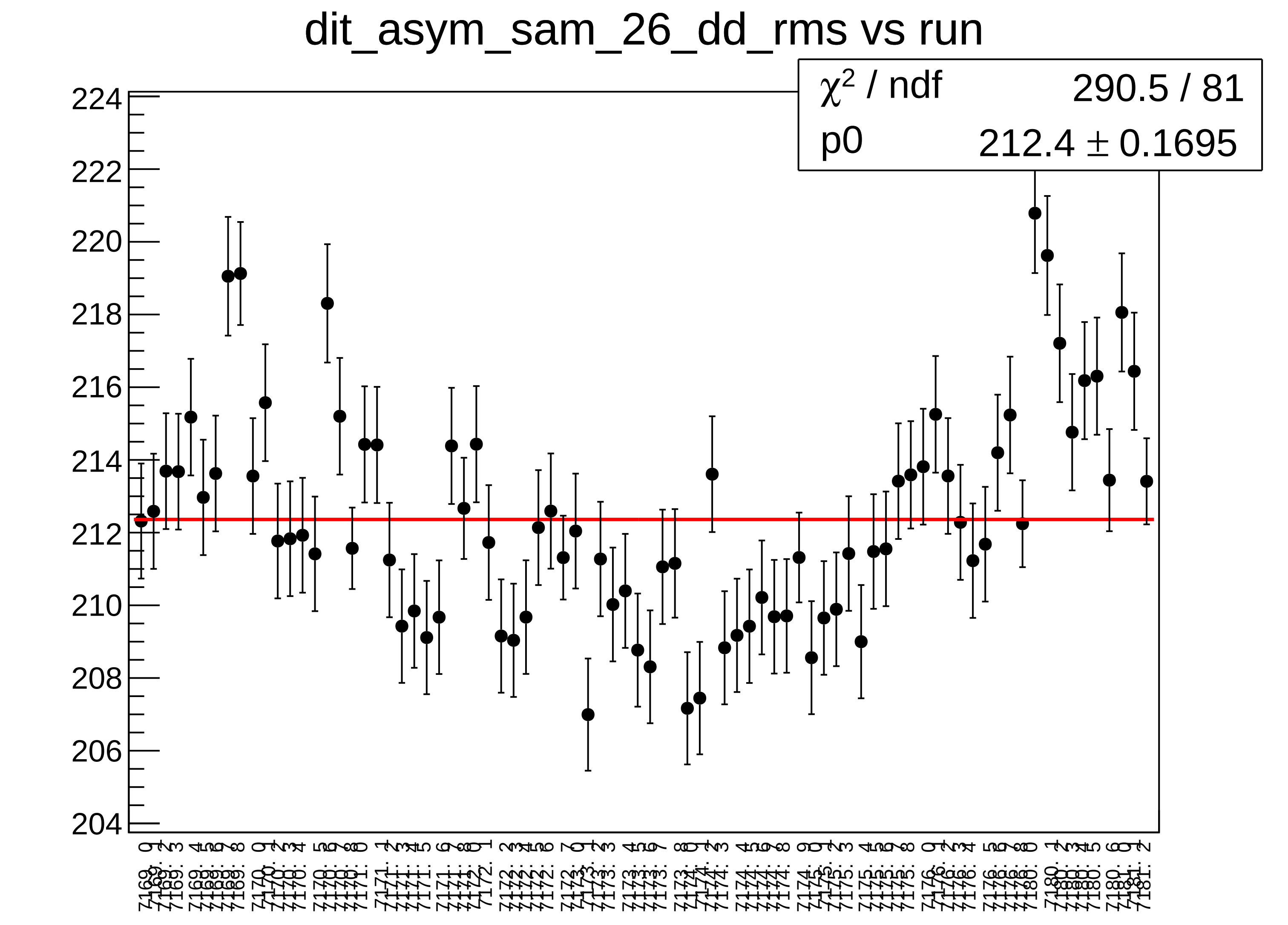
asym_sam_15_dd_mean vs run
χ^2 / ndf 70.26 / 81
p0 439 ± 797.3
pull
Entries 82
Mean 994.4
Std Dev 957.8
pull1D
Entries 82
Mean −0.006923
Std Dev 0.9256



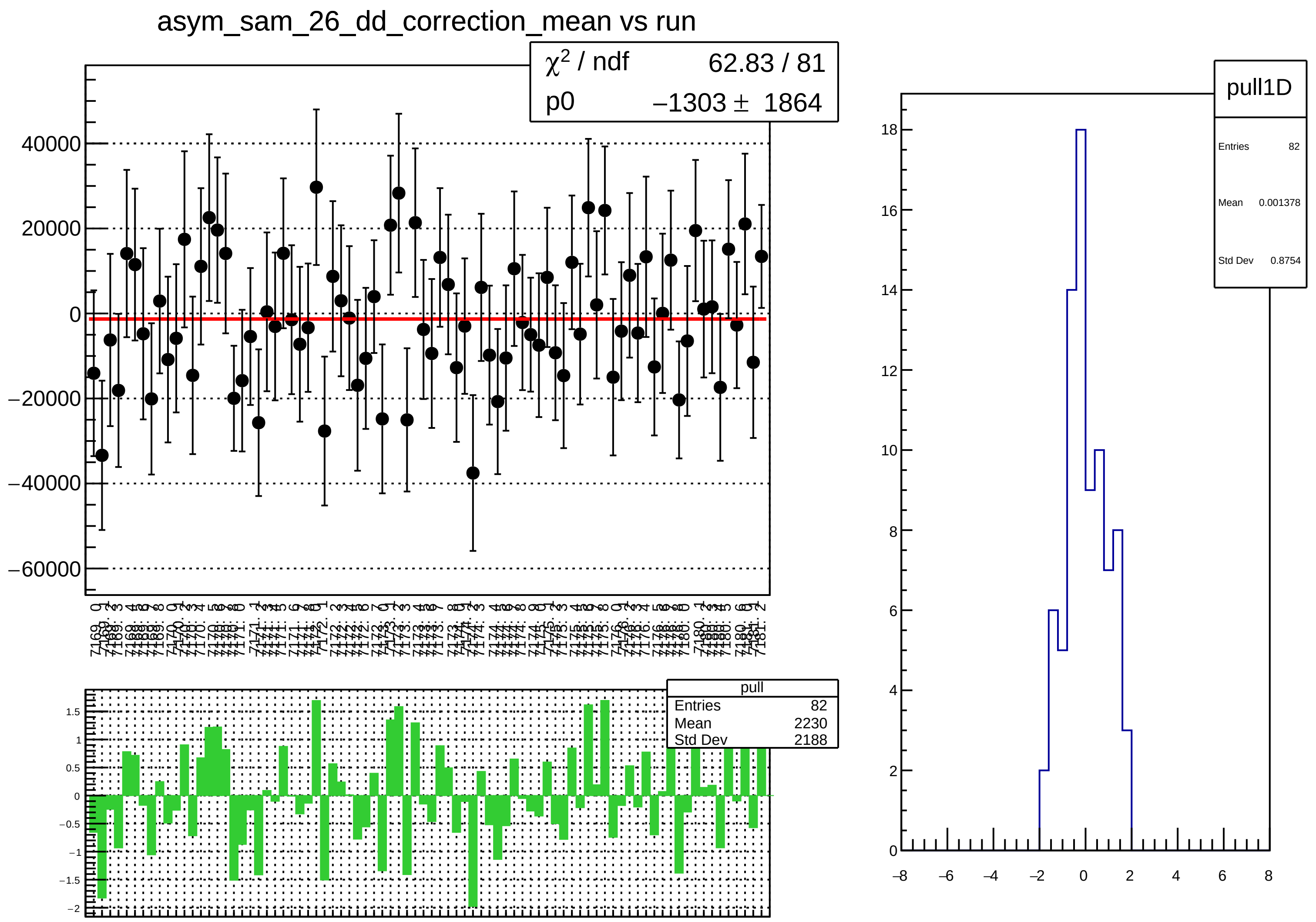
asym_sam_15_dd_rms vs run
χ^2 / ndf 4399 / 81
p0 705.4 ± 0.5638
820
800
780
760
740
720
700
680
660
640
620

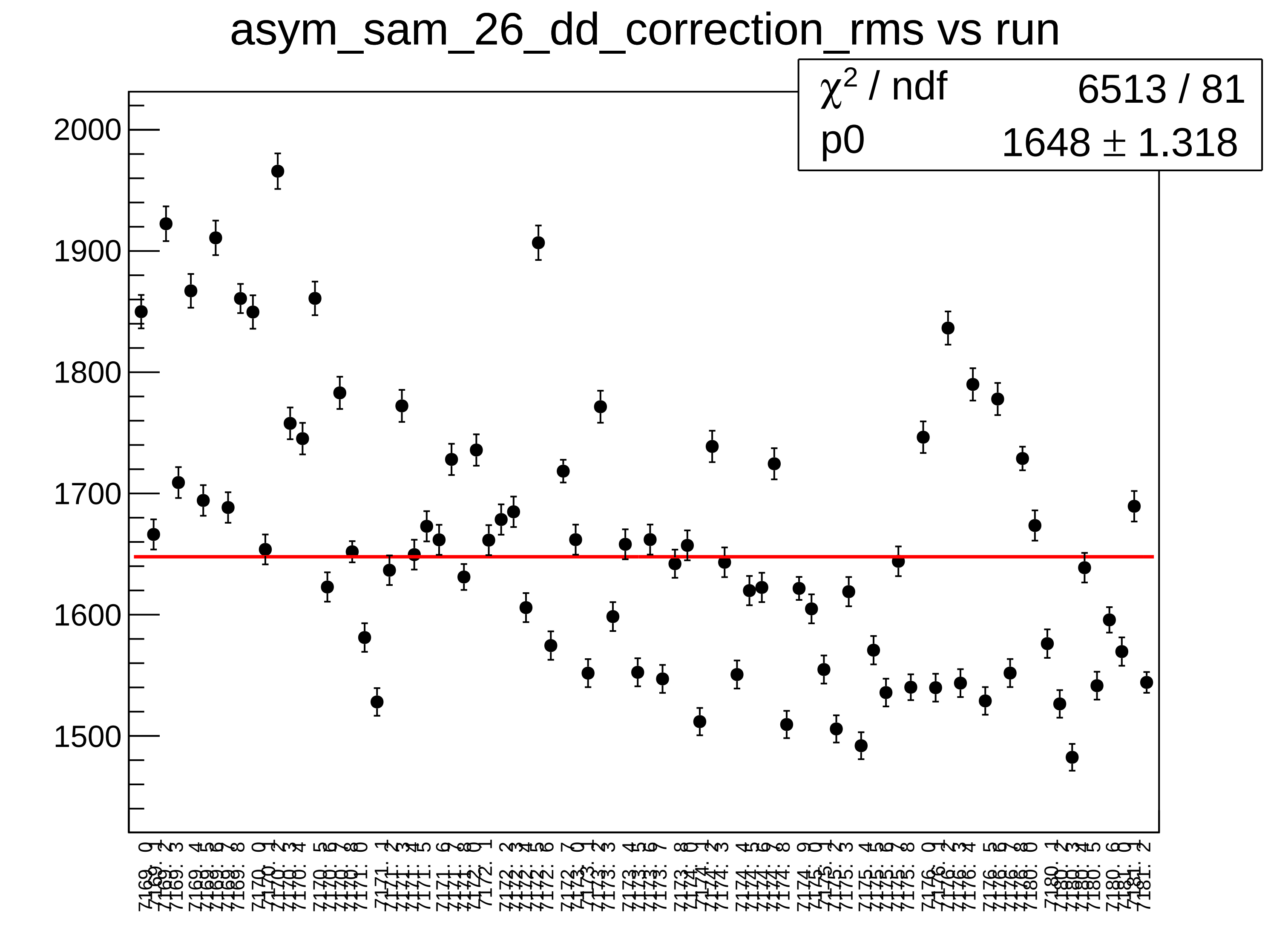


dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 83.31 / 81
p0 −239.4 ± 239.7
pull
Entries 82
Mean 423.9
Std Dev 388
pull1D
Entries 82
Mean −0.004471
Std Dev 1.008

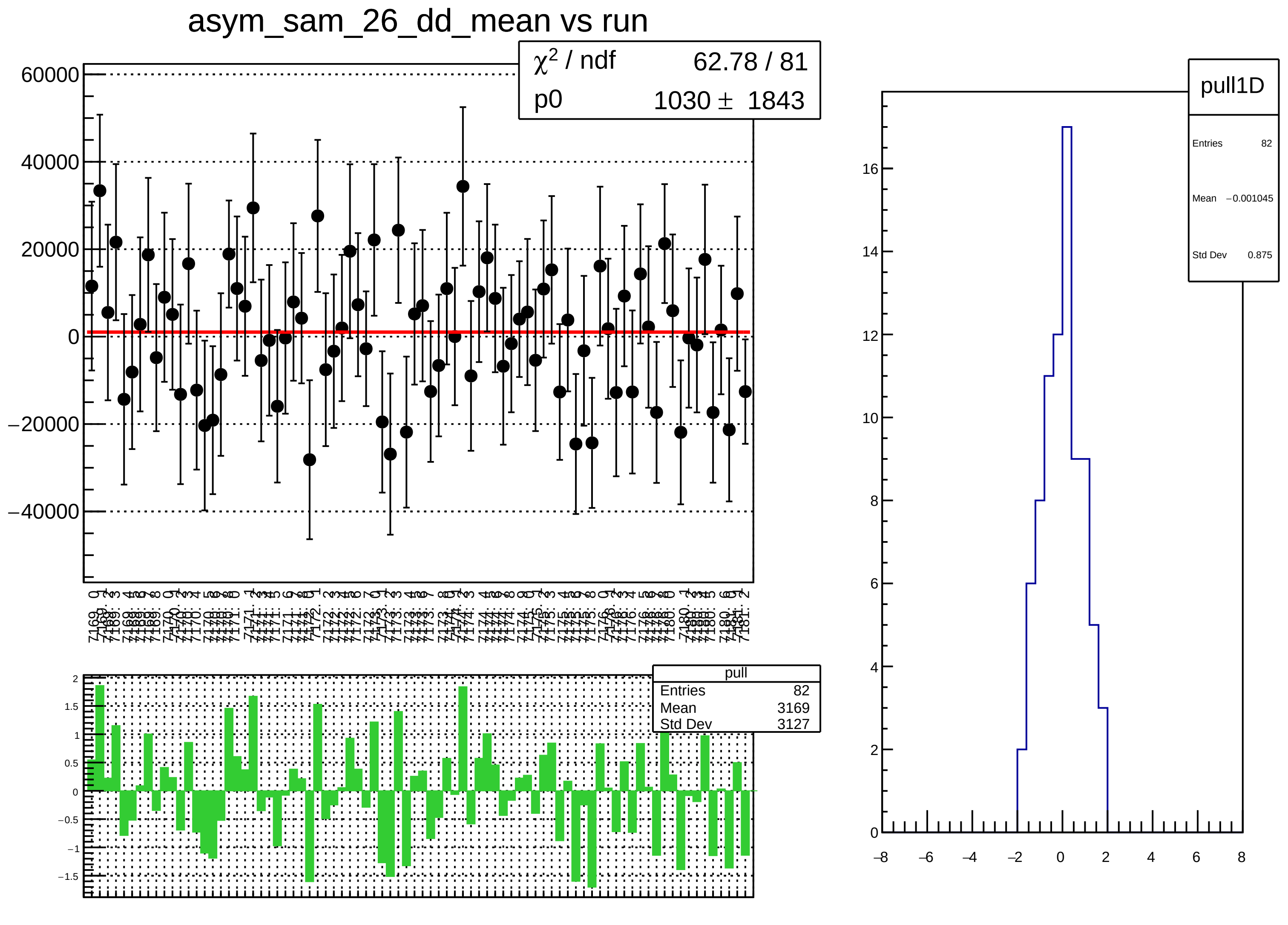


dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 290.5 / 81
p0 212.4 ± 0.1695
224
222
220
218
216
214
212
210
208
206
204

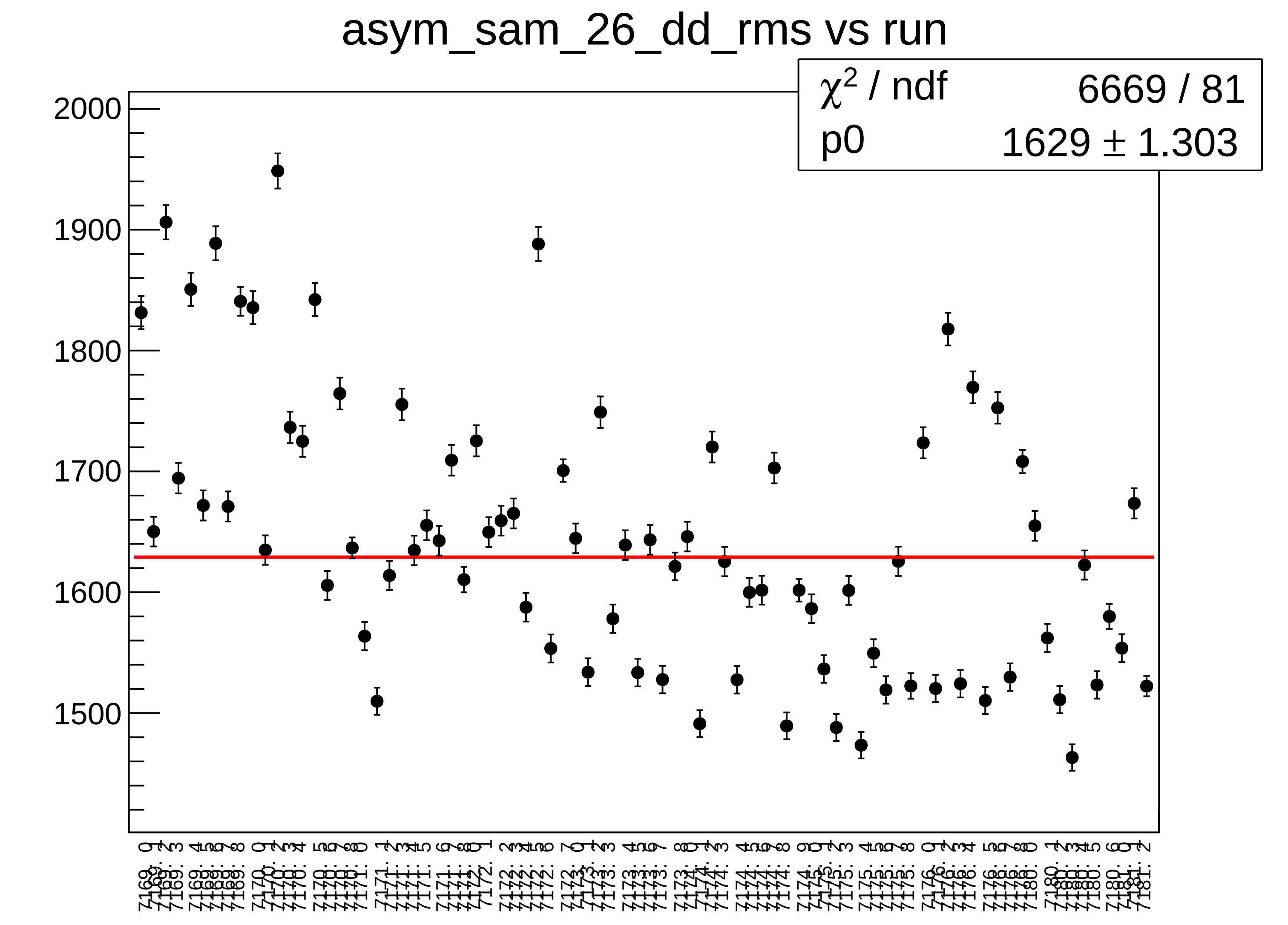

asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 62.83 / 81
p0 −1303 ± 1864
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 2230
Std Dev 2188
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.001378
Std Dev 0.8754
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

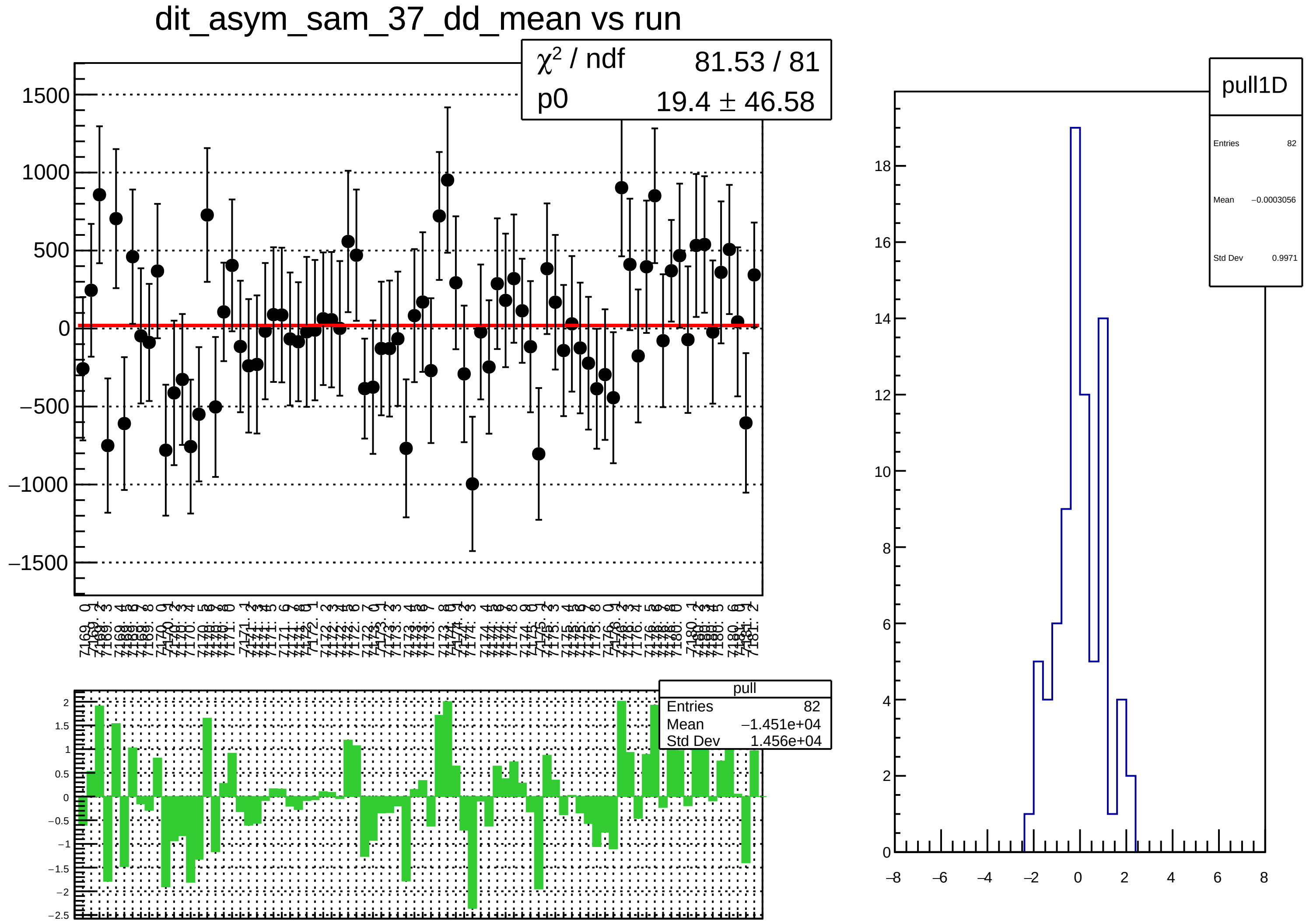


asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 6513 / 81
p0 1648 ± 1.318
2000
1900
1800
1700
1600
1500

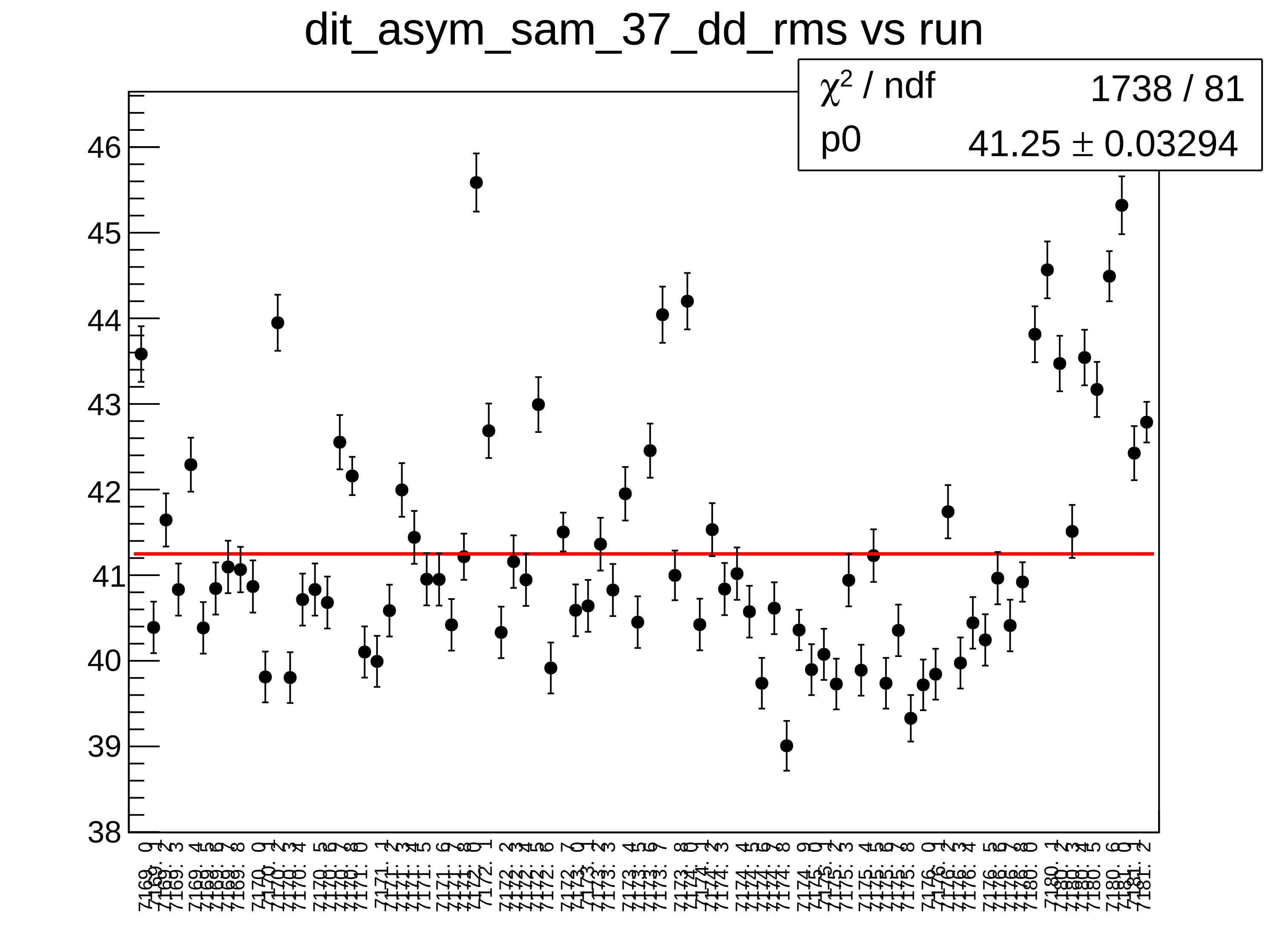


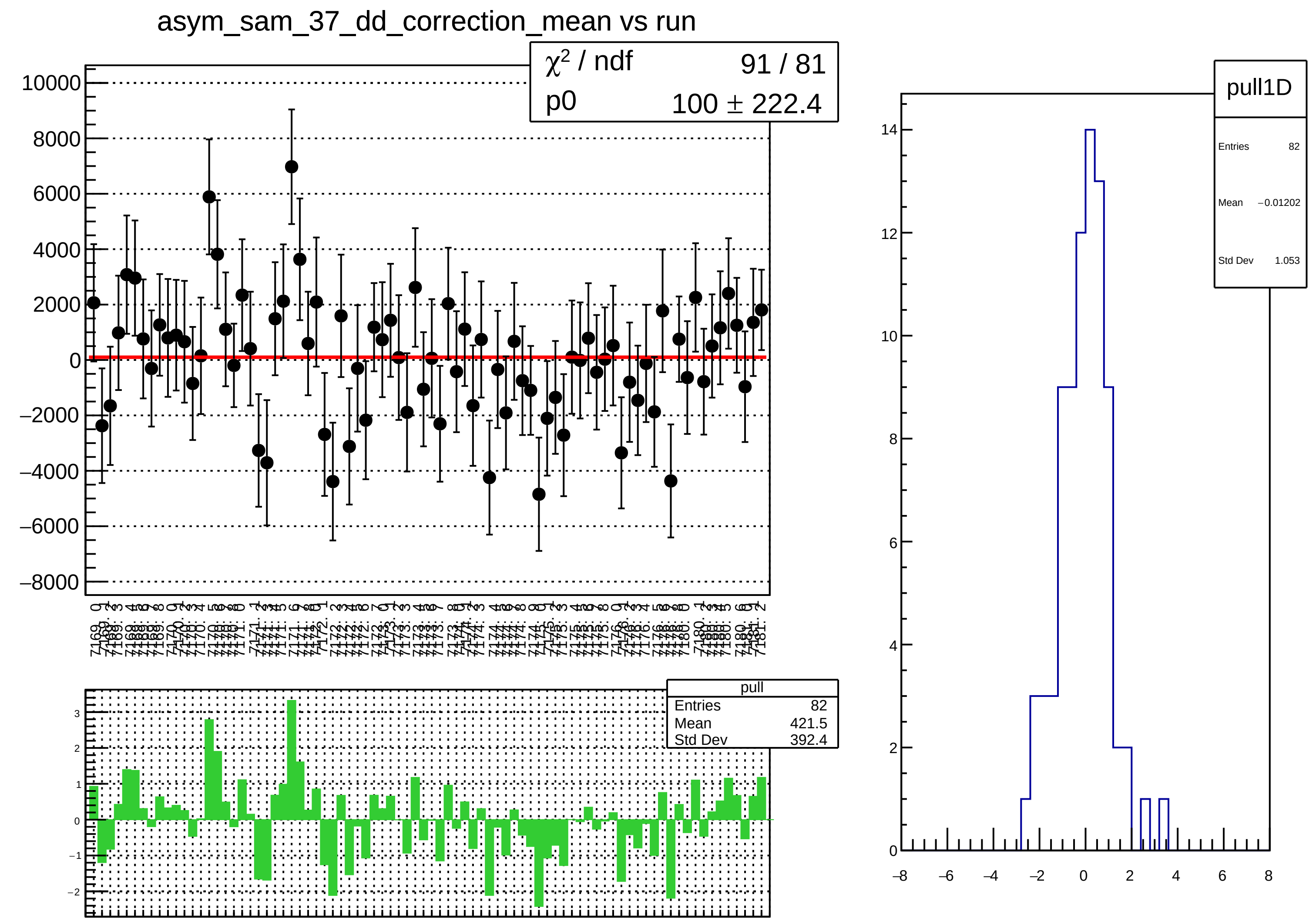
asym_sam_26_dd_mean vs run
χ² / ndf 62.78 / 81
p0 1030 ± 1843
pull
Entries 82
Mean 3169
Std Dev 3127
pull1D
Entries 82
Mean −0.001045
Std Dev 0.875

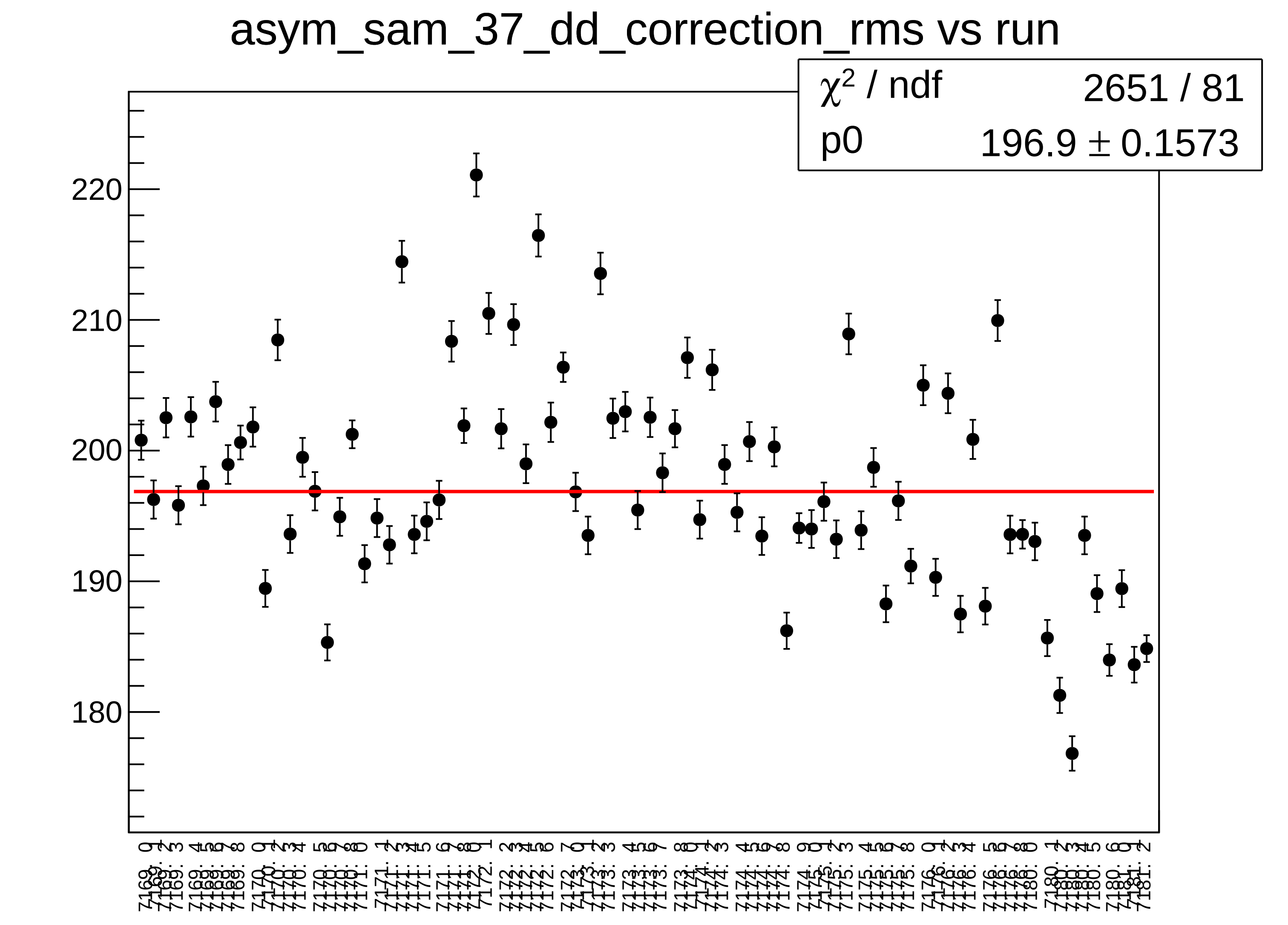

asym_sam_26_dd_rms vs run
χ^2 / ndf
6669 / 81
p0
1629 ± 1.303
2000
1900
1800
1700
1600
1500

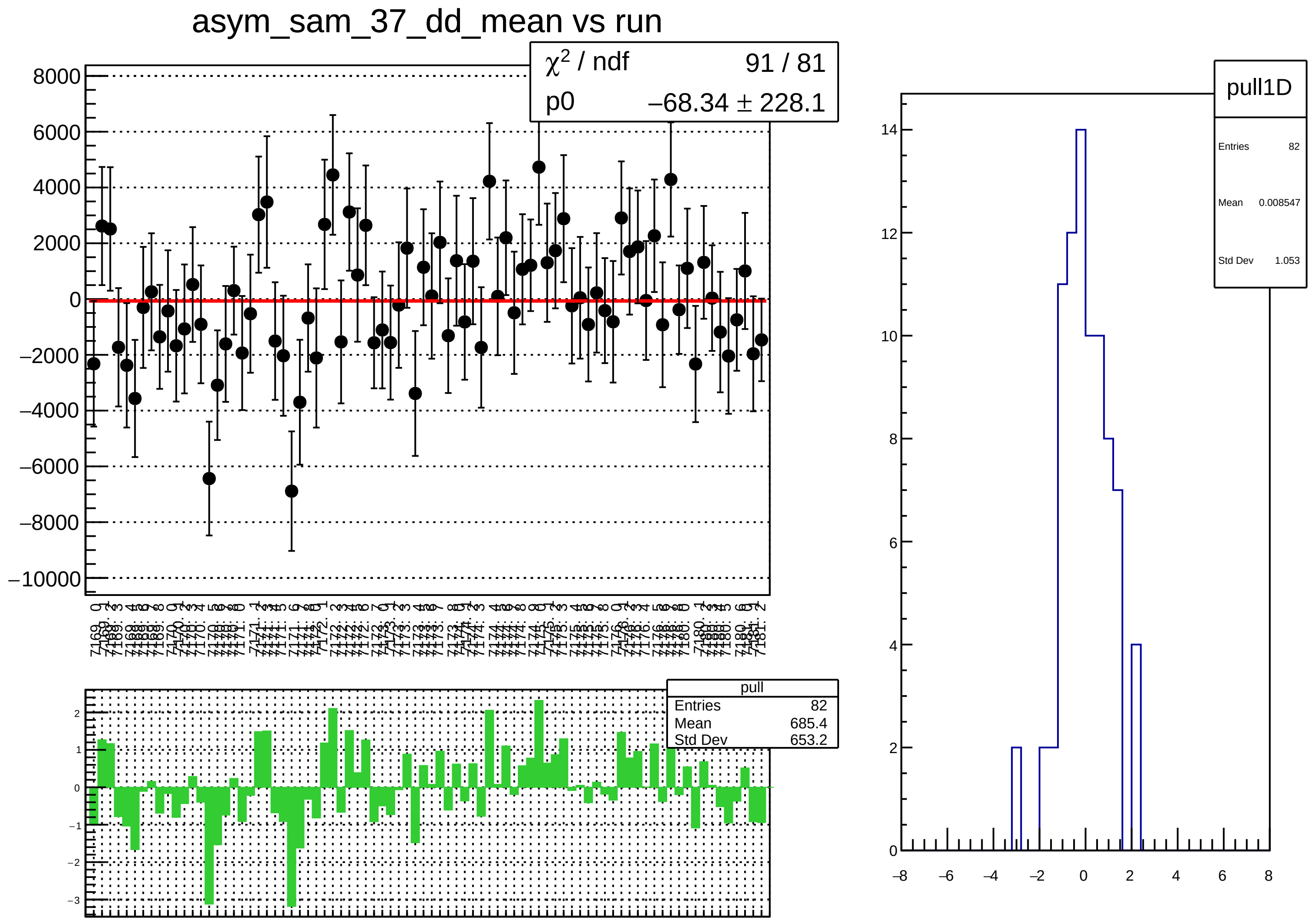


dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 81.53 / 81
p0 19.4 ± 46.58
pull
Entries 82
Mean −1.451e+04
Std Dev 1.456e+04
pull1D
Entries 82
Mean −0.0003056
Std Dev 0.9971

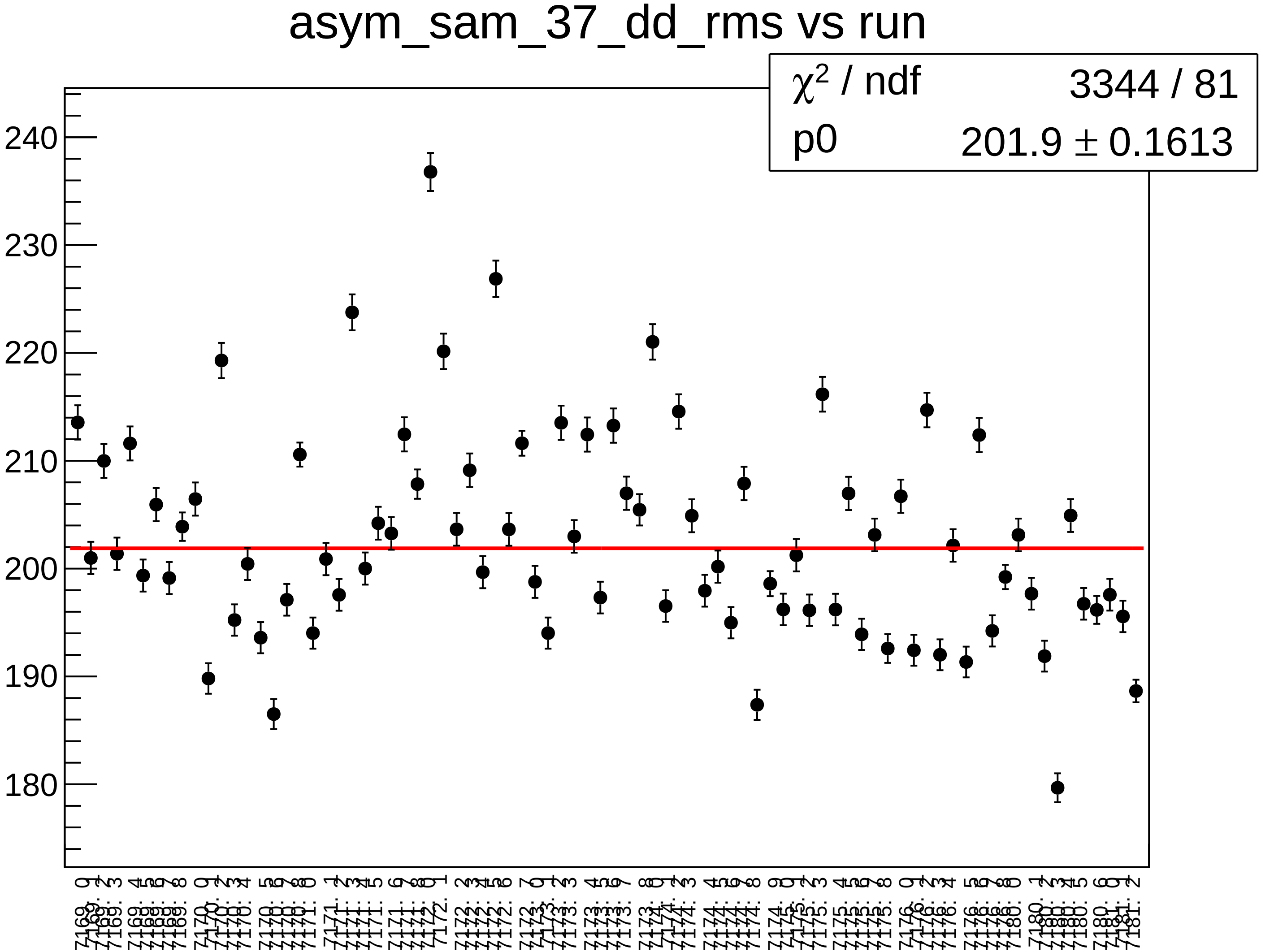

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1738 / 81
p0 41.25 ± 0.03294


asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 91 / 81
p0 100 ± 222.4
pull
Entries 82
Mean 421.5
Std Dev 392.4
pull1D
Entries 82
Mean −0.01202
Std Dev 1.053

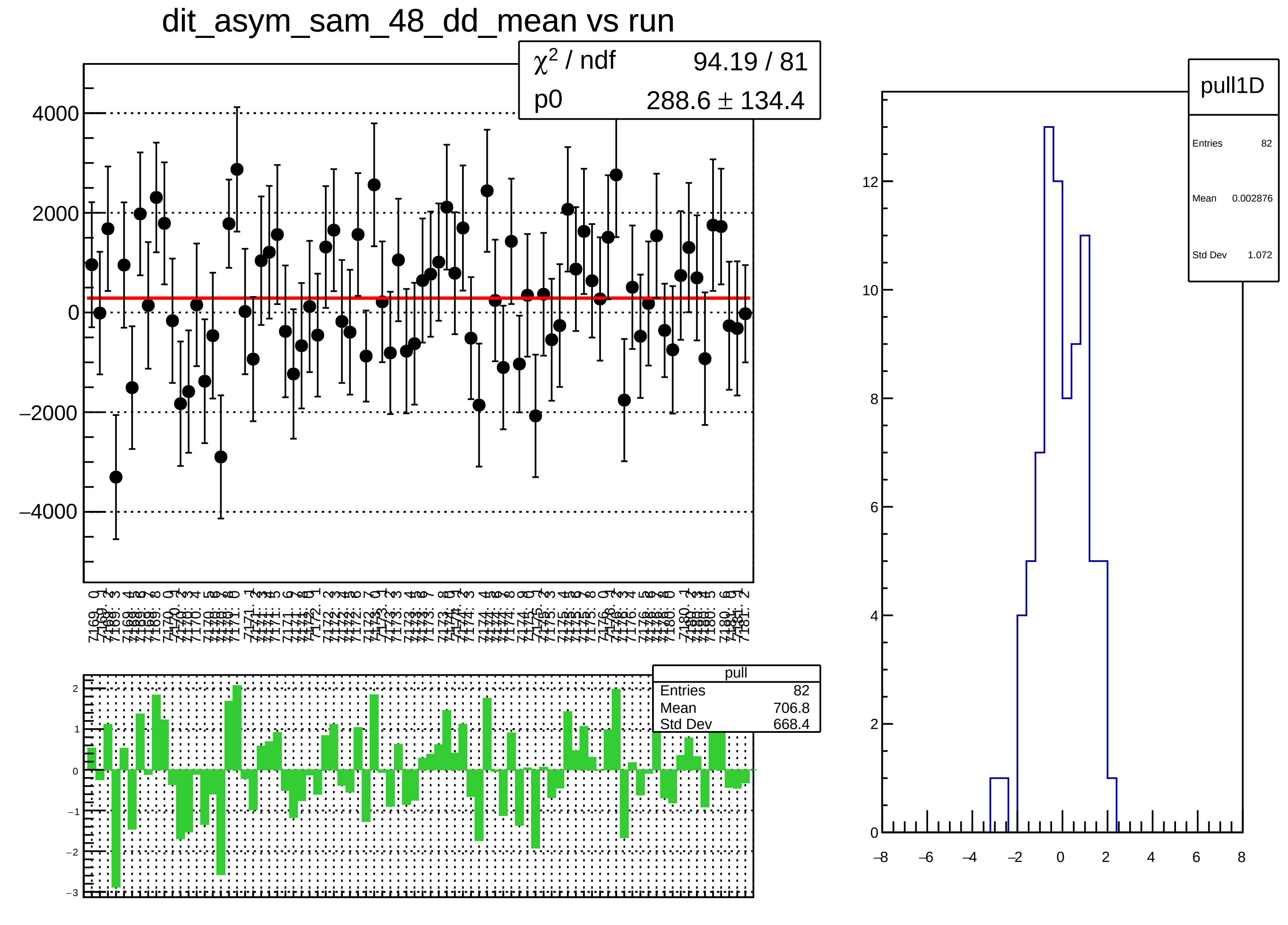

asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 2651 / 81
p0 196.9 ± 0.1573
220
210
200
190
180



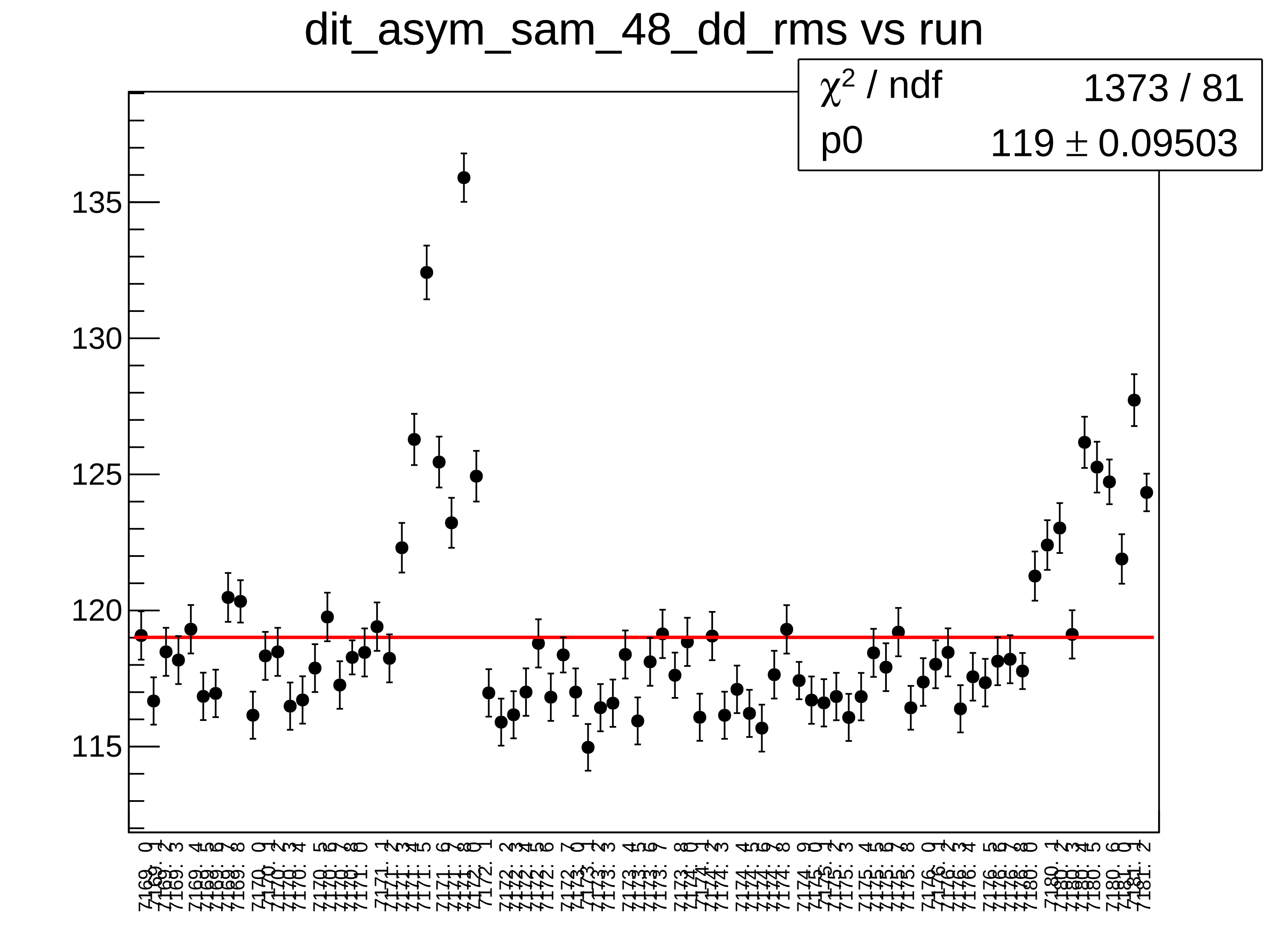
asym_sam_37_dd_mean vs run
χ^2 / ndf 91 / 81
p0 −68.34 ± 228.1
pull
Entries 82
Mean 685.4
Std Dev 653.2
pull1D
Entries 82
Mean 0.008547
Std Dev 1.053



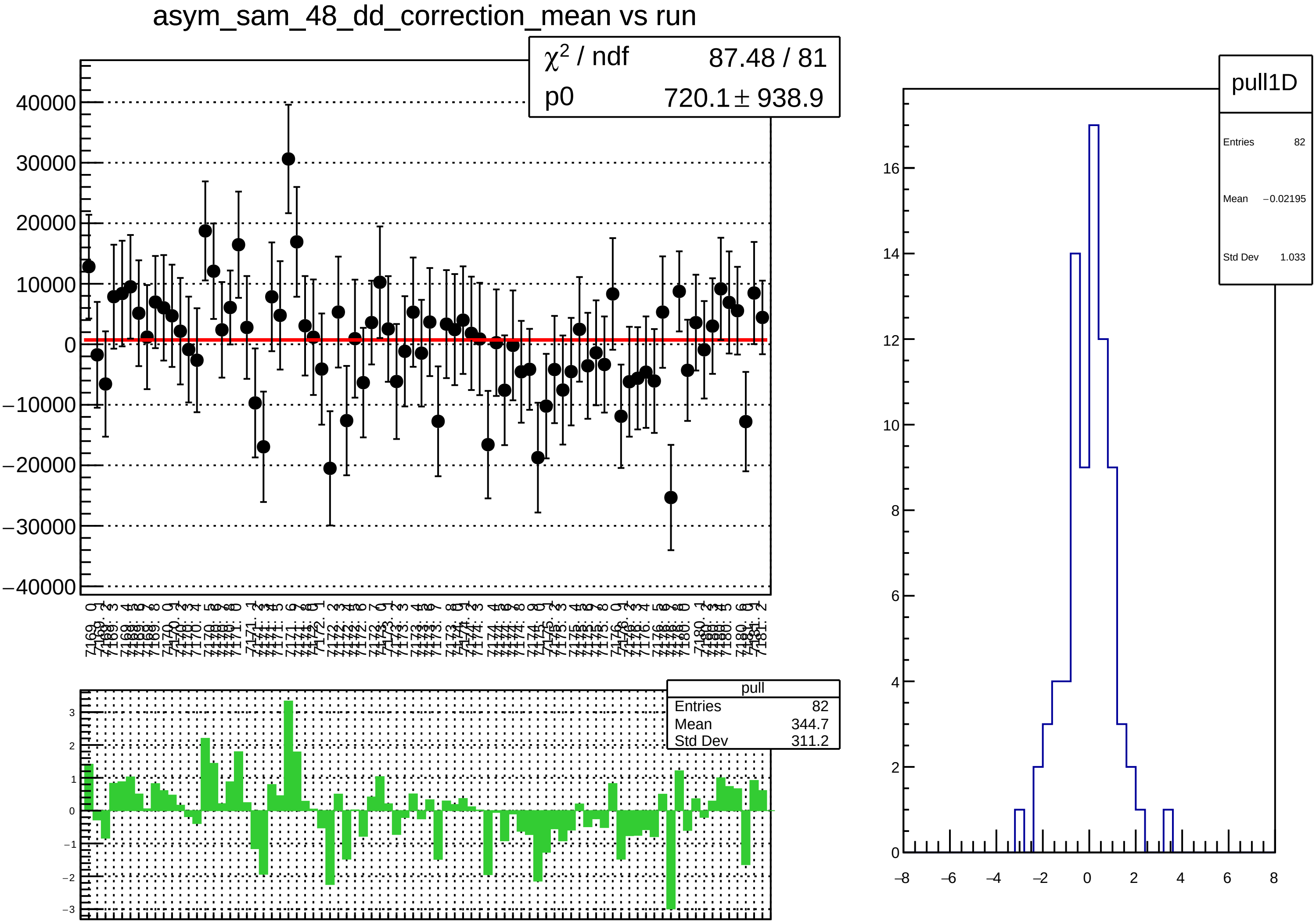
asym_sam_37_dd_rms vs run
χ^2 / ndf 3344 / 81
p0 201.9 ± 0.1613
240
230
220
210
200
190
180

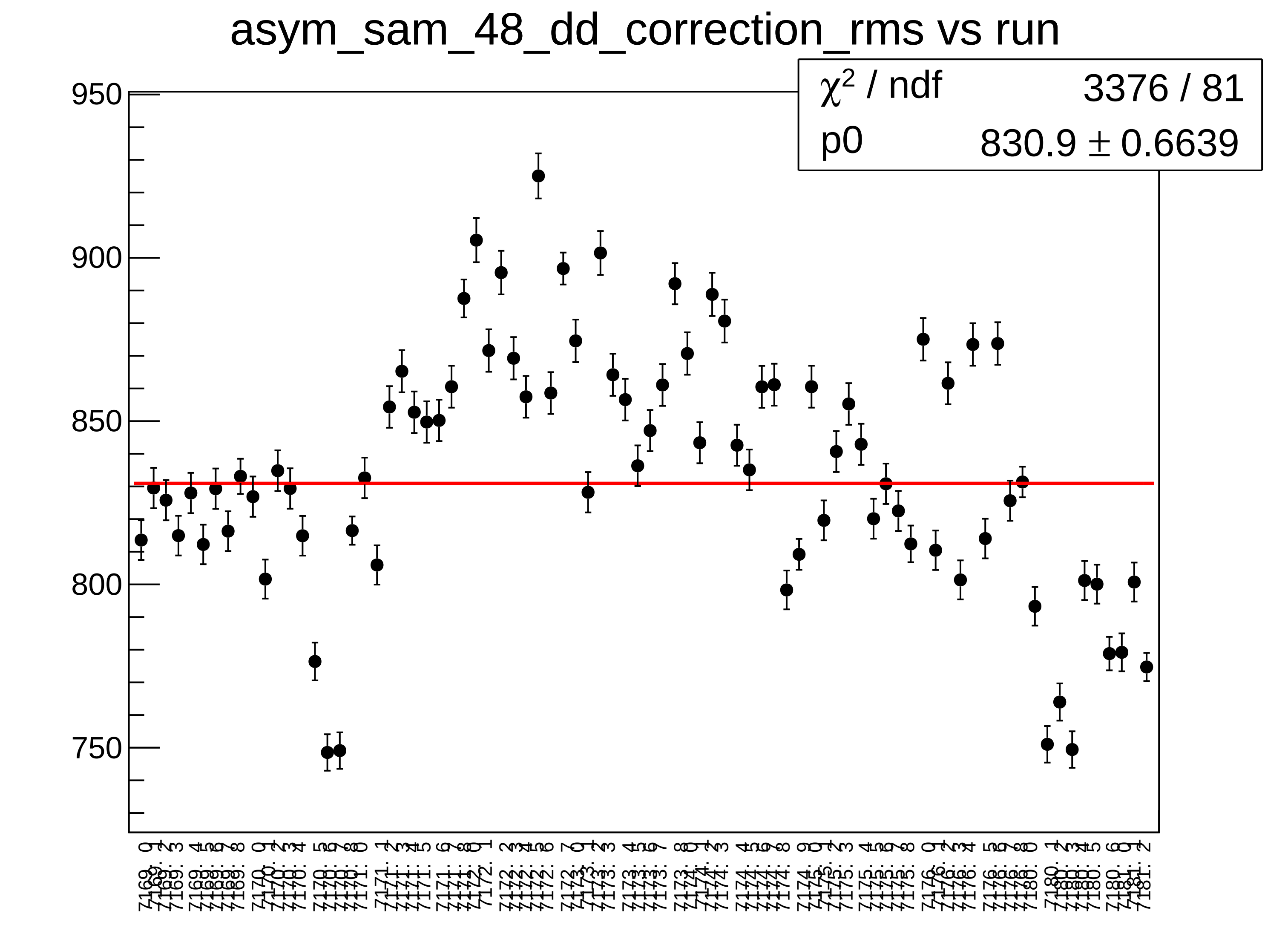


dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 94.19 / 81
p0 288.6 ± 134.4
pull
Entries 82
Mean 706.8
Std Dev 668.4
pull1D
Entries 82
Mean 0.002876
Std Dev 1.072

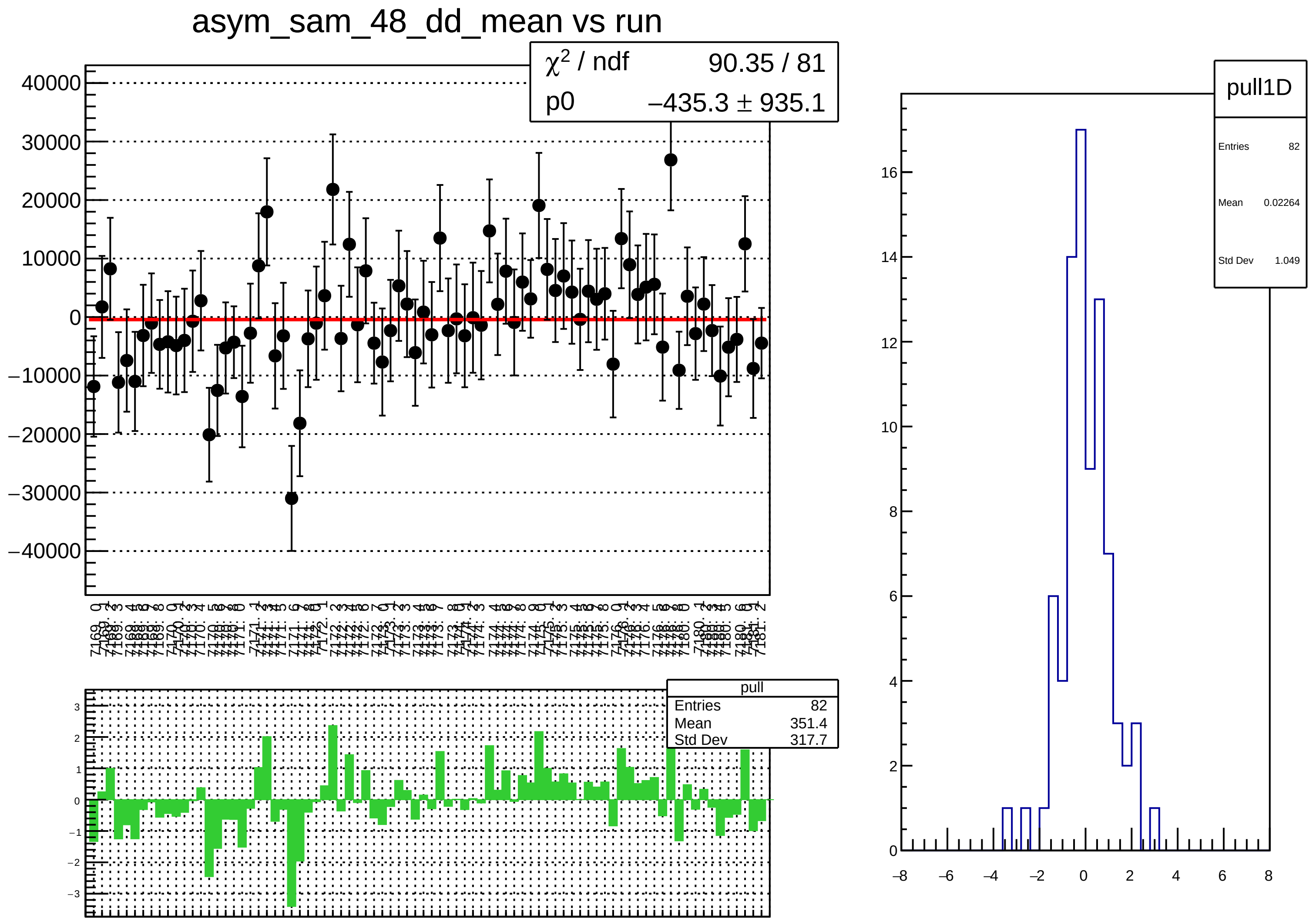


dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1373 / 81
p0 119 ± 0.09503
135
130
125
120
115

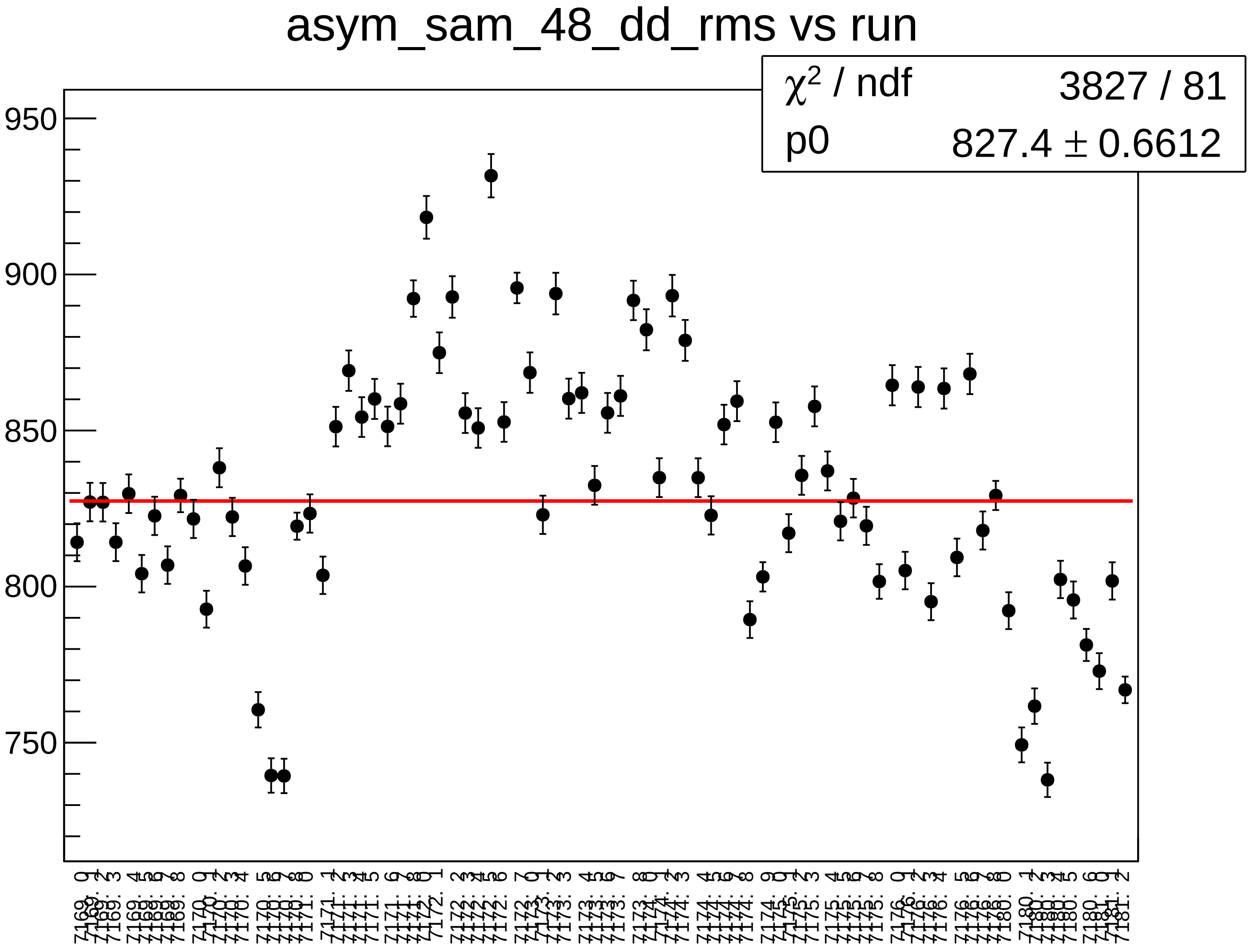

asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 87.48 / 81
p0 720.1 ± 938.9
pull
Entries 82
Mean 344.7
Std Dev 311.2
pull1D
Entries 82
Mean −0.02195
Std Dev 1.033



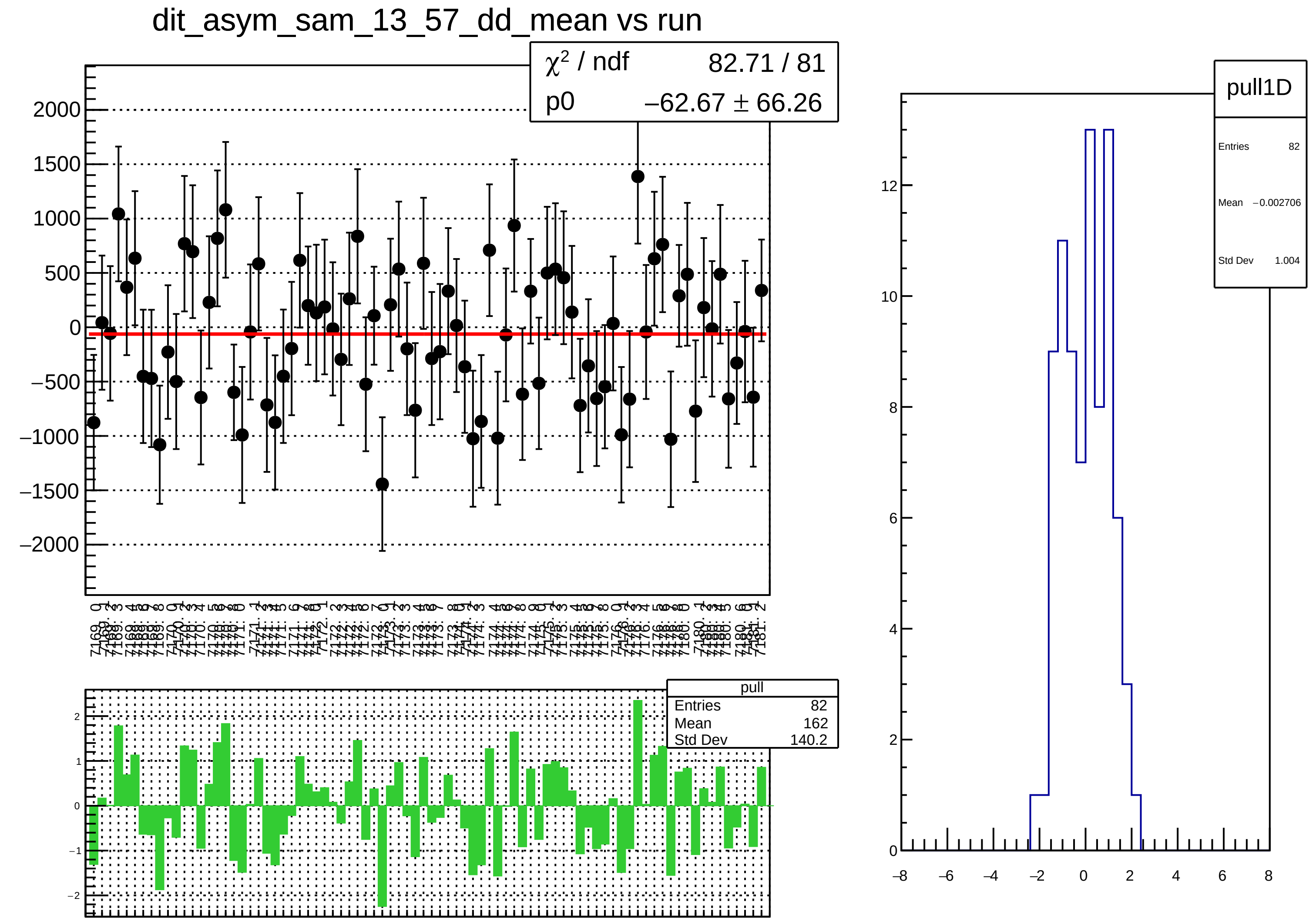
asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 3376 / 81
p0 830.9 ± 0.6639
950
900
850
800
750



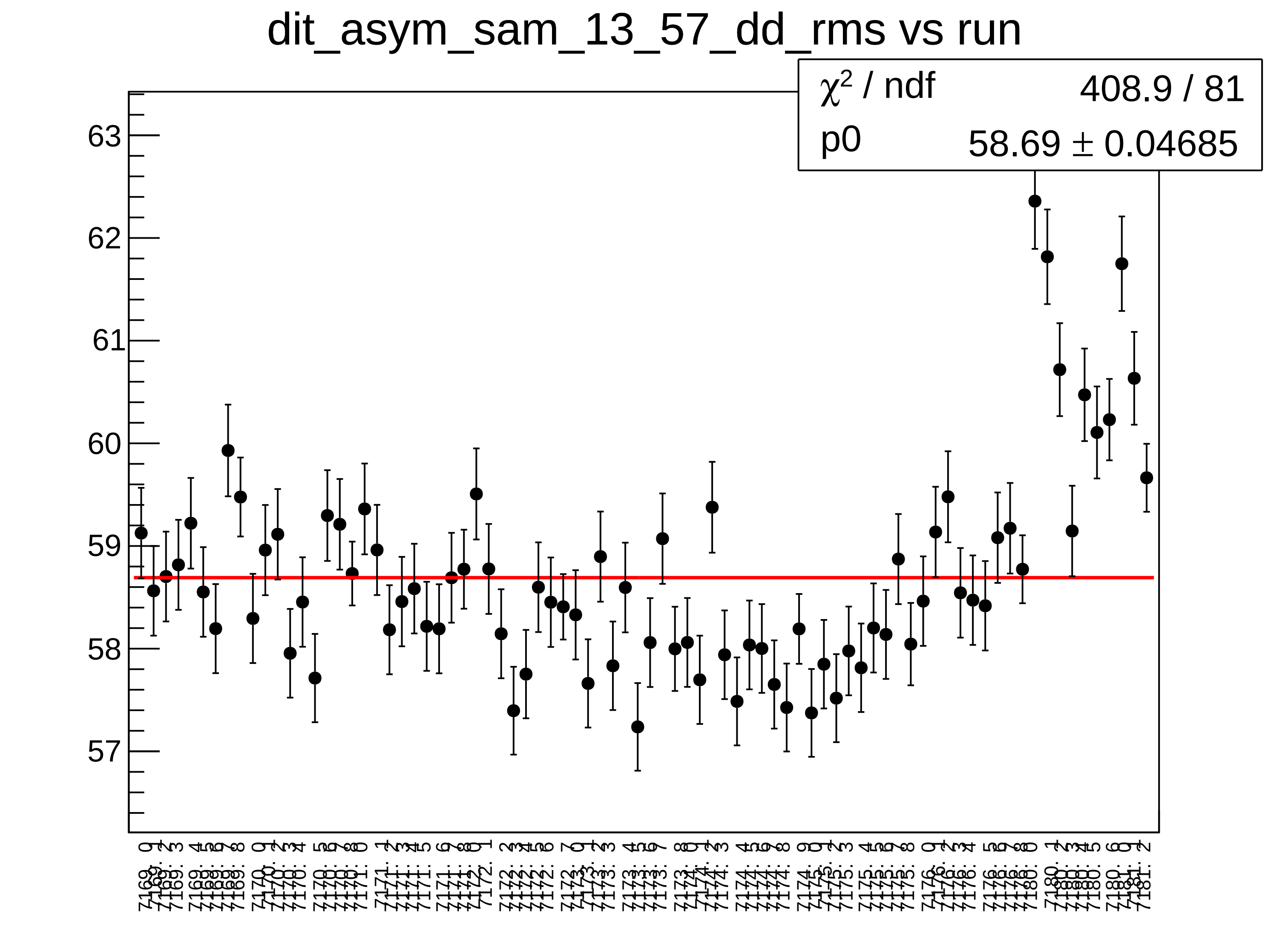
asym_sam_48_dd_mean vs run
χ^2 / ndf 90.35 / 81
p0 −435.3 ± 935.1
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean 351.4
Std Dev 317.7
pull1D
Entries 82
Mean 0.02264
Std Dev 1.049



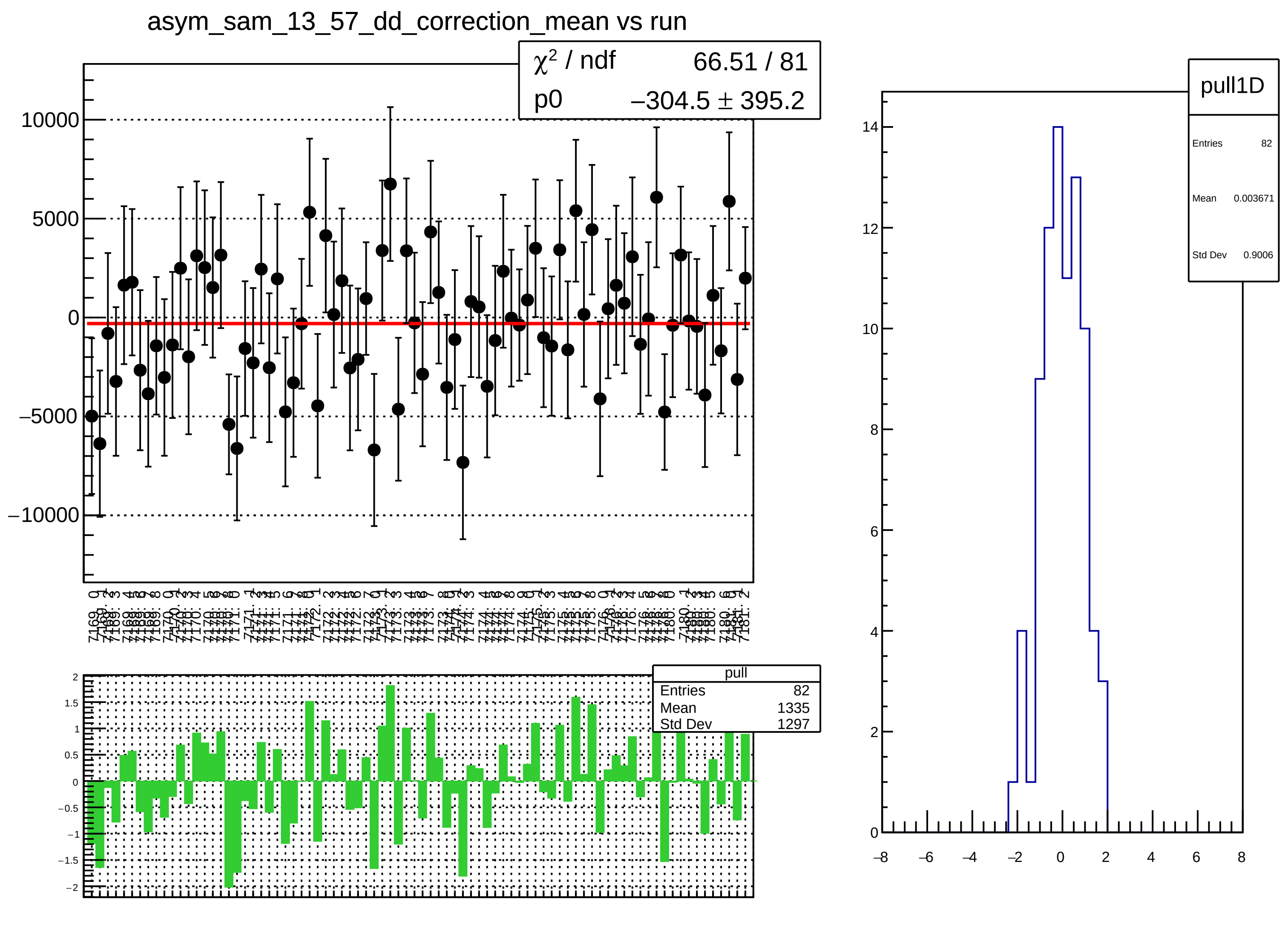
asym_sam_48_dd_rms vs run
χ^2 / ndf 3827 / 81
p0 827.4 ± 0.6612
950
900
850
800
750



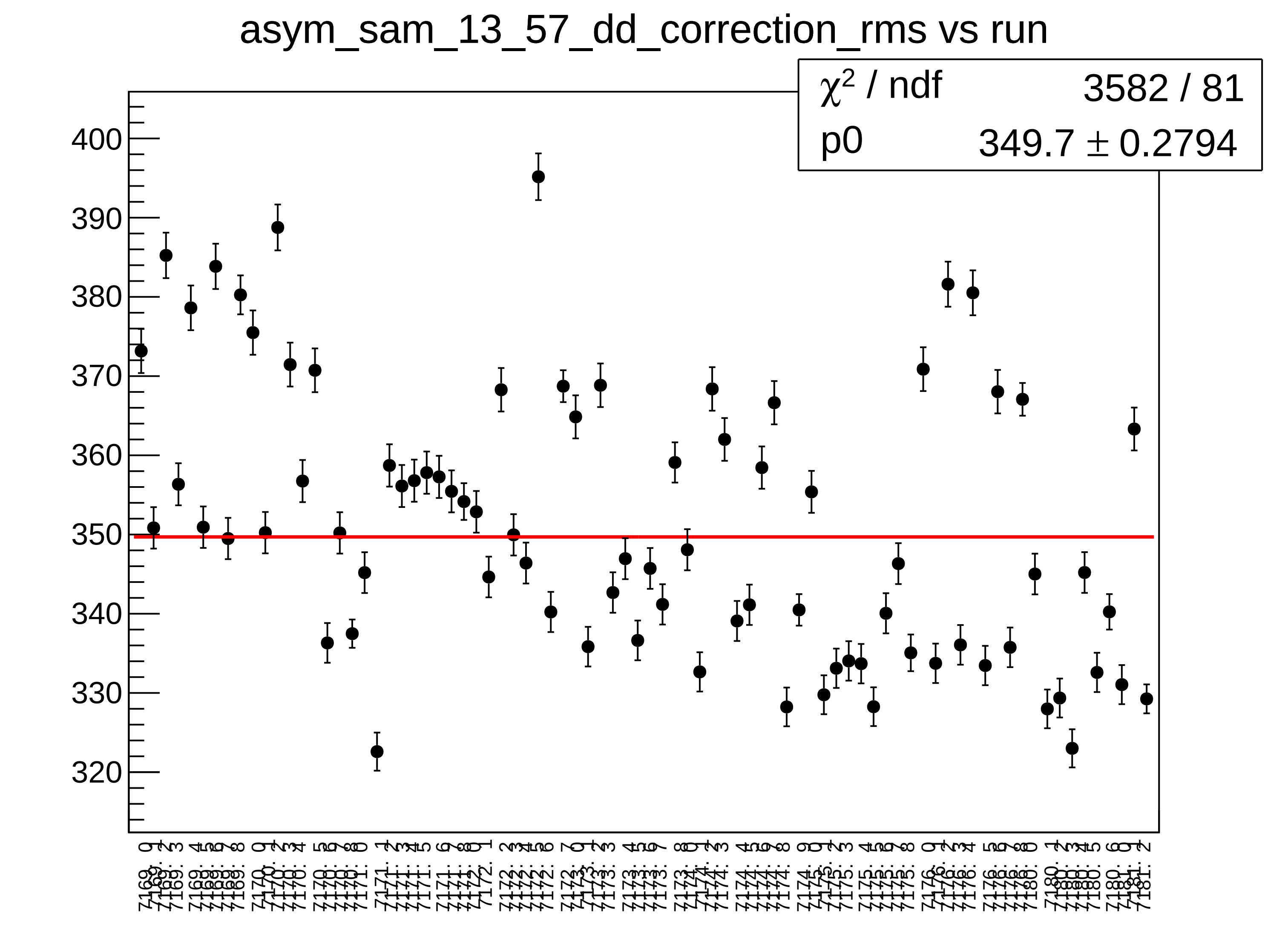
dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 82.71 / 81
p0 −62.67 ± 66.26
pull
Entries 82
Mean 162
Std Dev 140.2
pull1D
Entries 82
Mean −0.002706
Std Dev 1.004

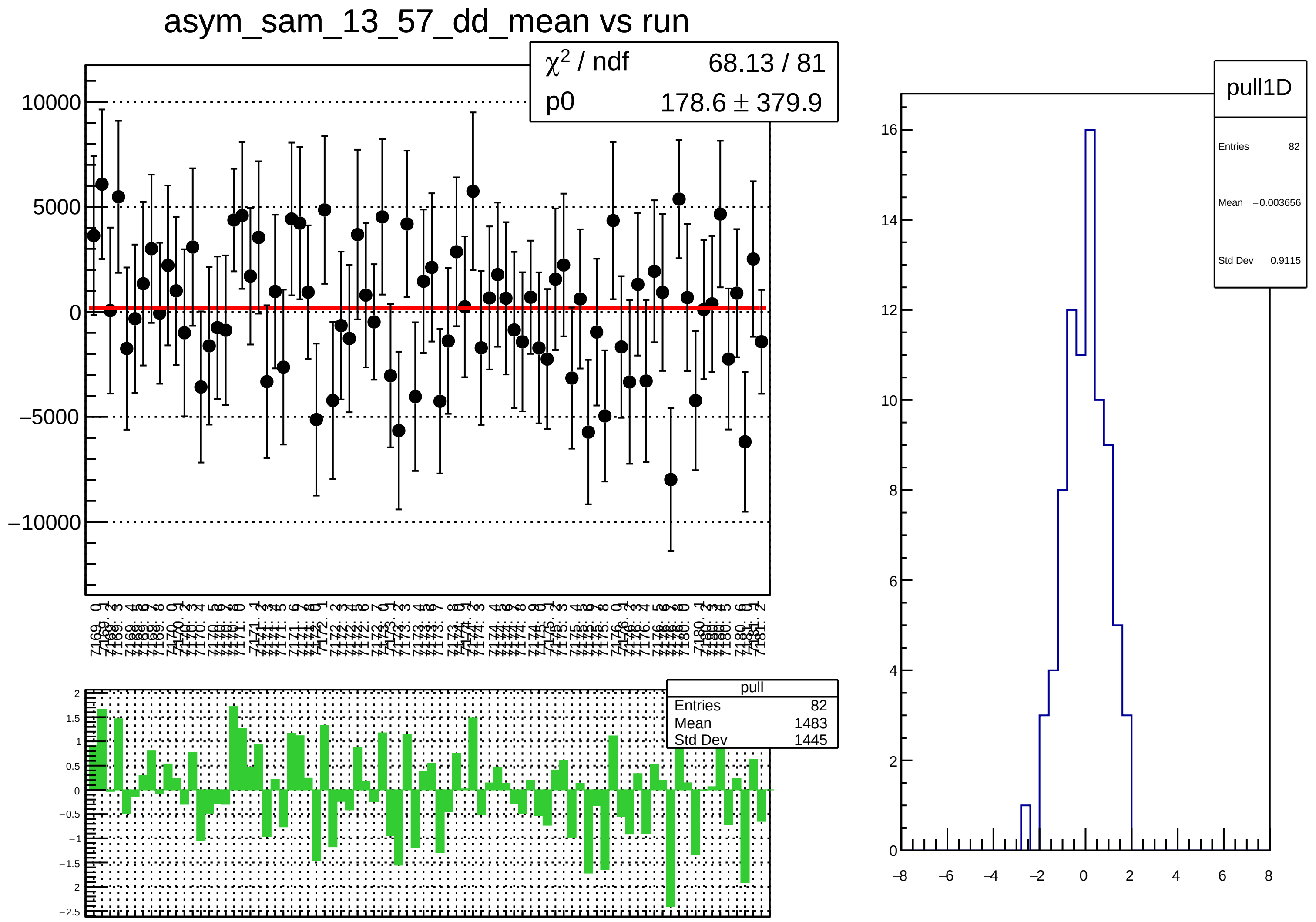


dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 408.9 / 81
p0 58.69 ± 0.04685
63
62
61
60
59
58
57

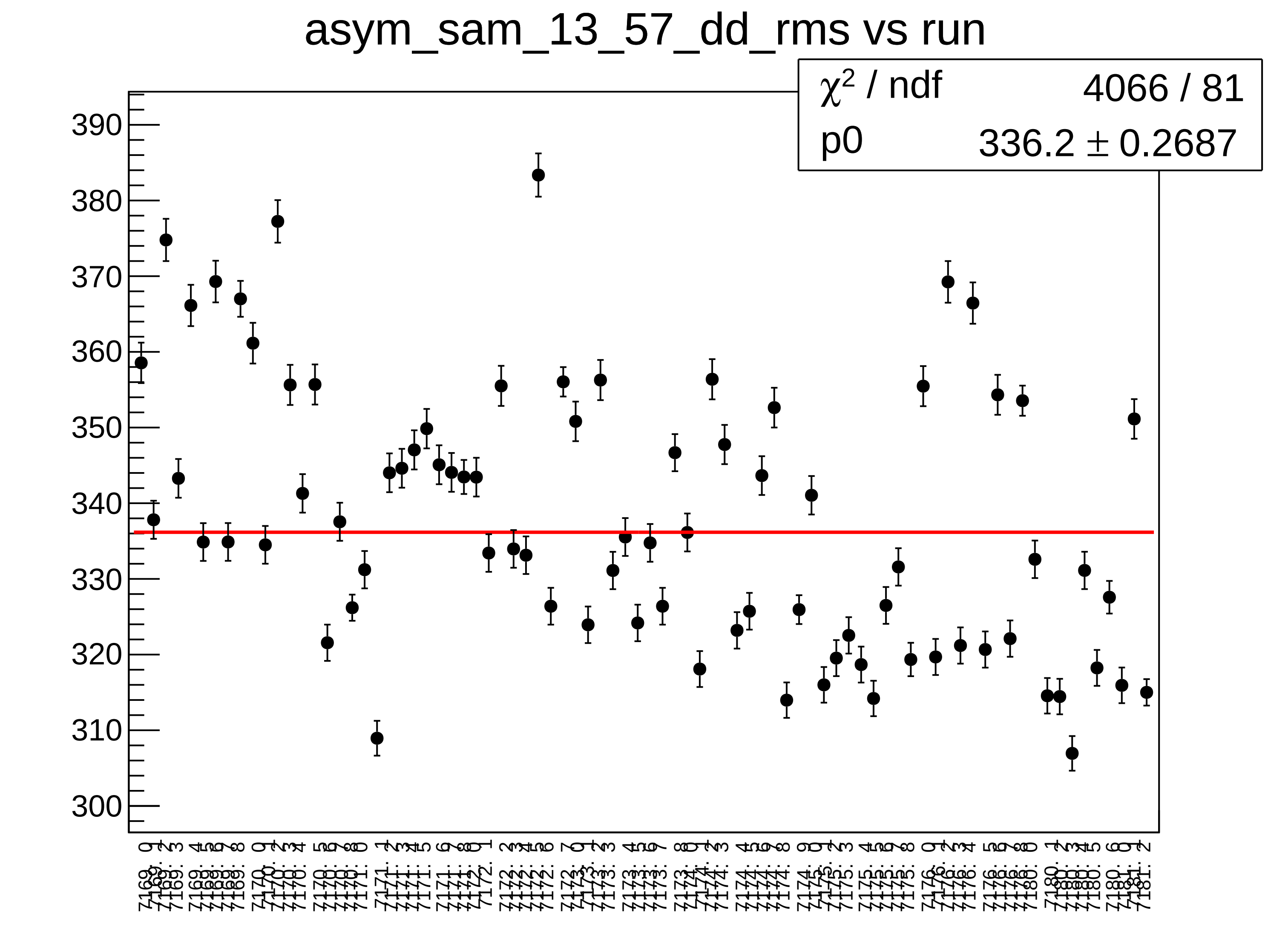


asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 66.51 / 81
p0 −304.5 ± 395.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1335
Std Dev 1297
pull1D
Entries 82
Mean 0.003671
Std Dev 0.9006

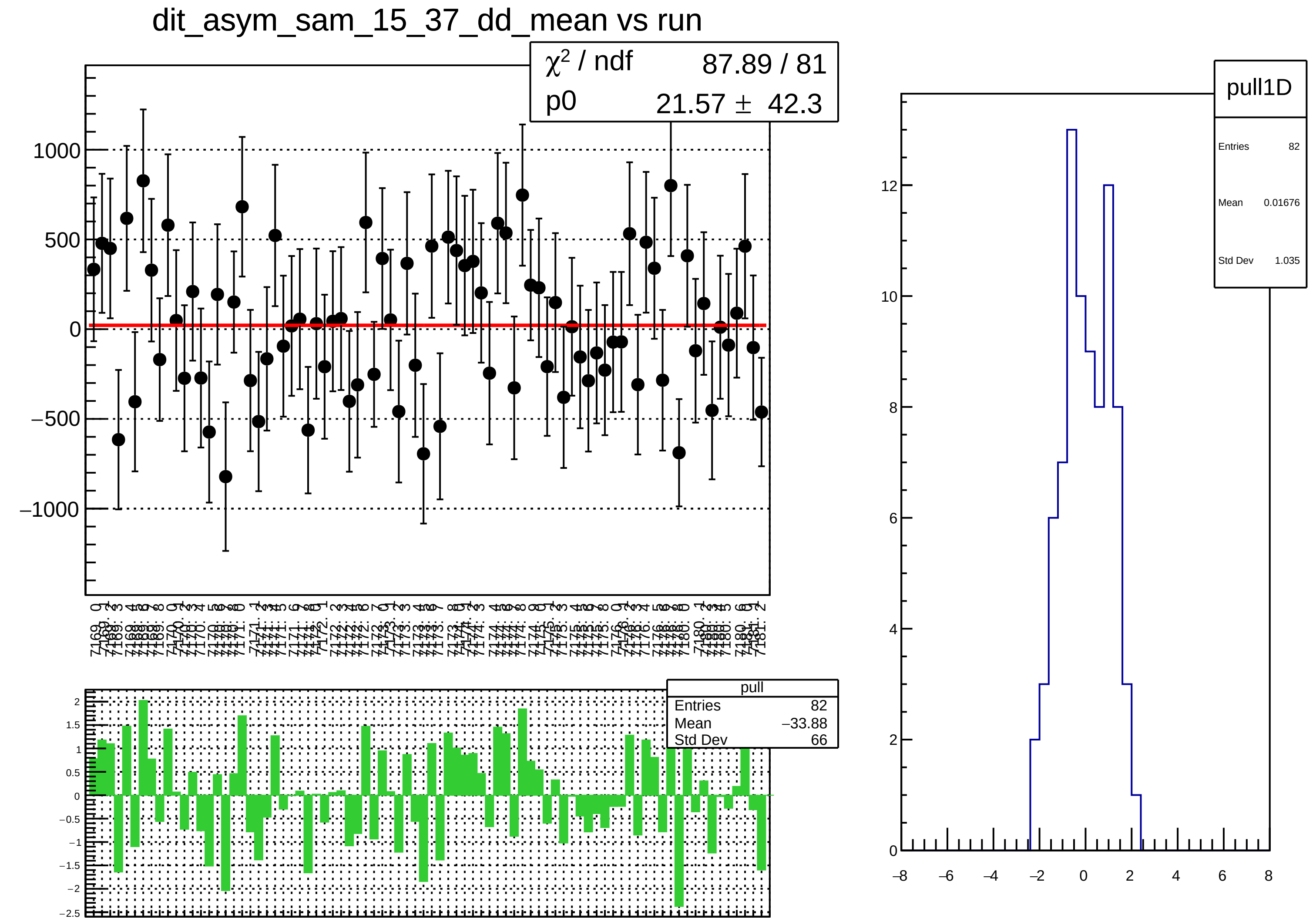

asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 3582 / 81
p0 349.7 ± 0.2794
400
390
380
370
360
350
340
330
320



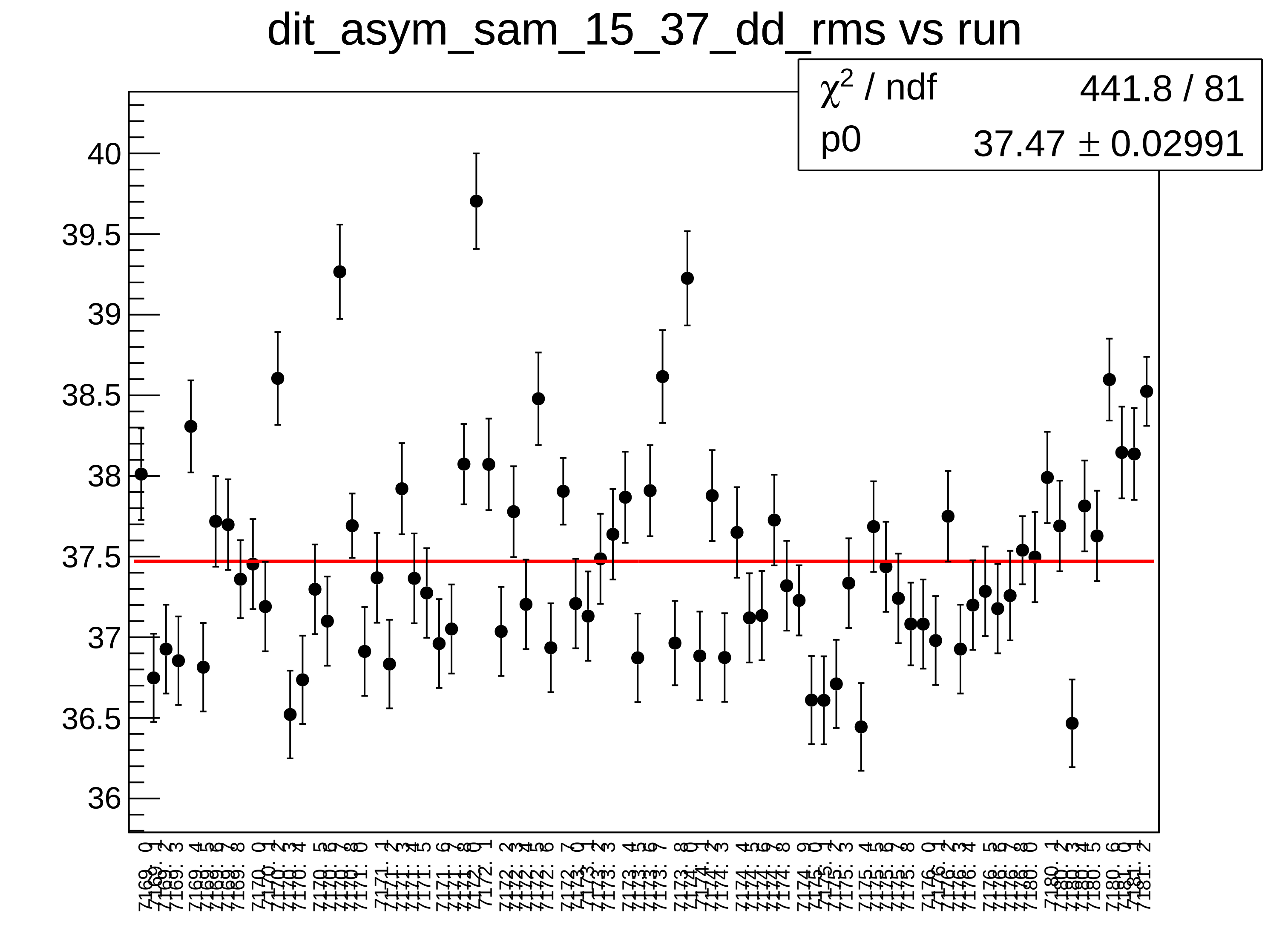
asym_sam_13_57_dd_mean vs run
χ^2 / ndf 68.13 / 81
p0 178.6 ± 379.9
pull
Entries 82
Mean 1483
Std Dev 1445
pull1D
Entries 82
Mean −0.003656
Std Dev 0.9115



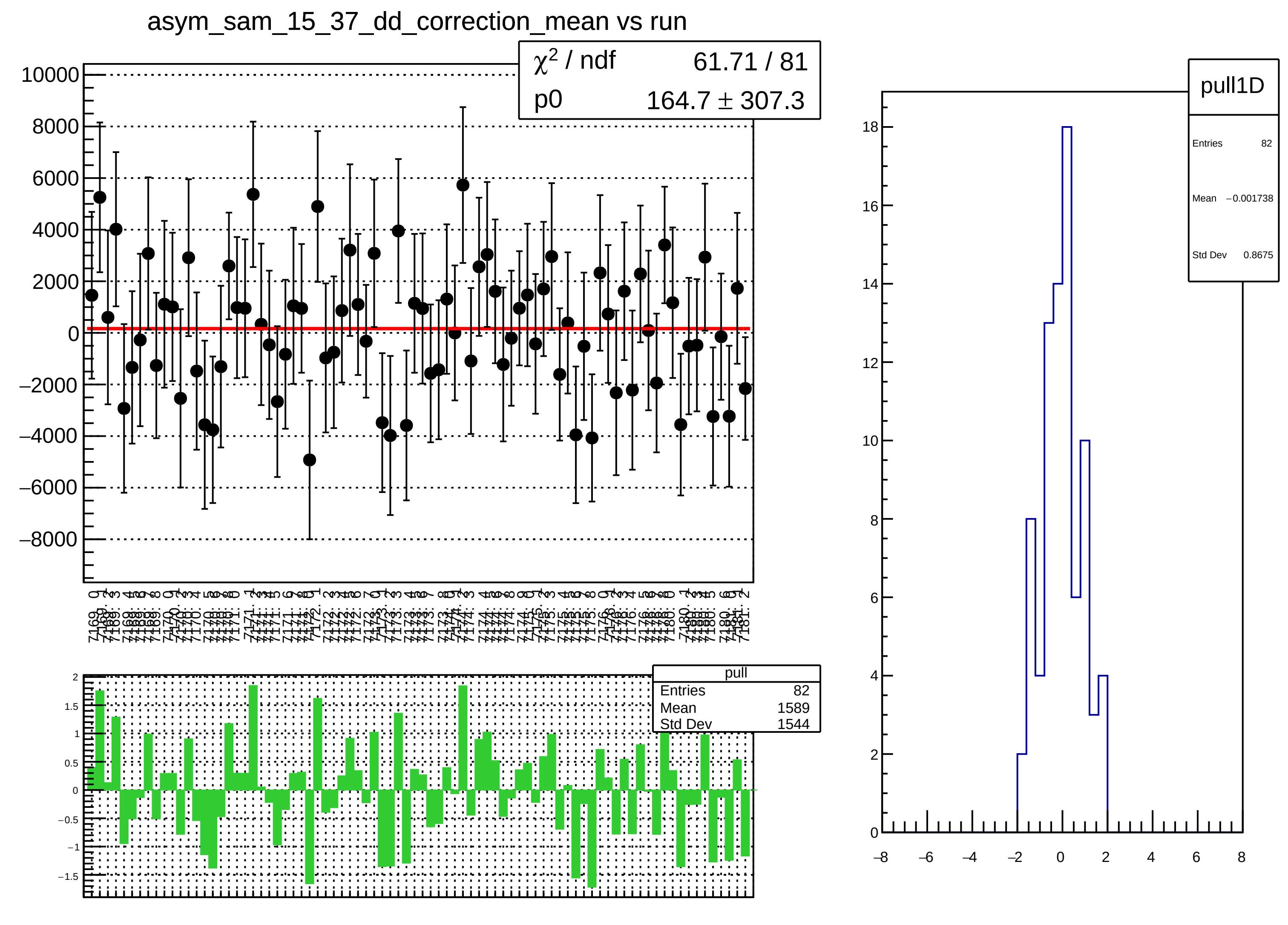
asym_sam_13_57_dd_rms vs run
χ^2 / ndf 4066 / 81
p0 336.2 ± 0.2687
390
380
370
360
350
340
330
320
310
300



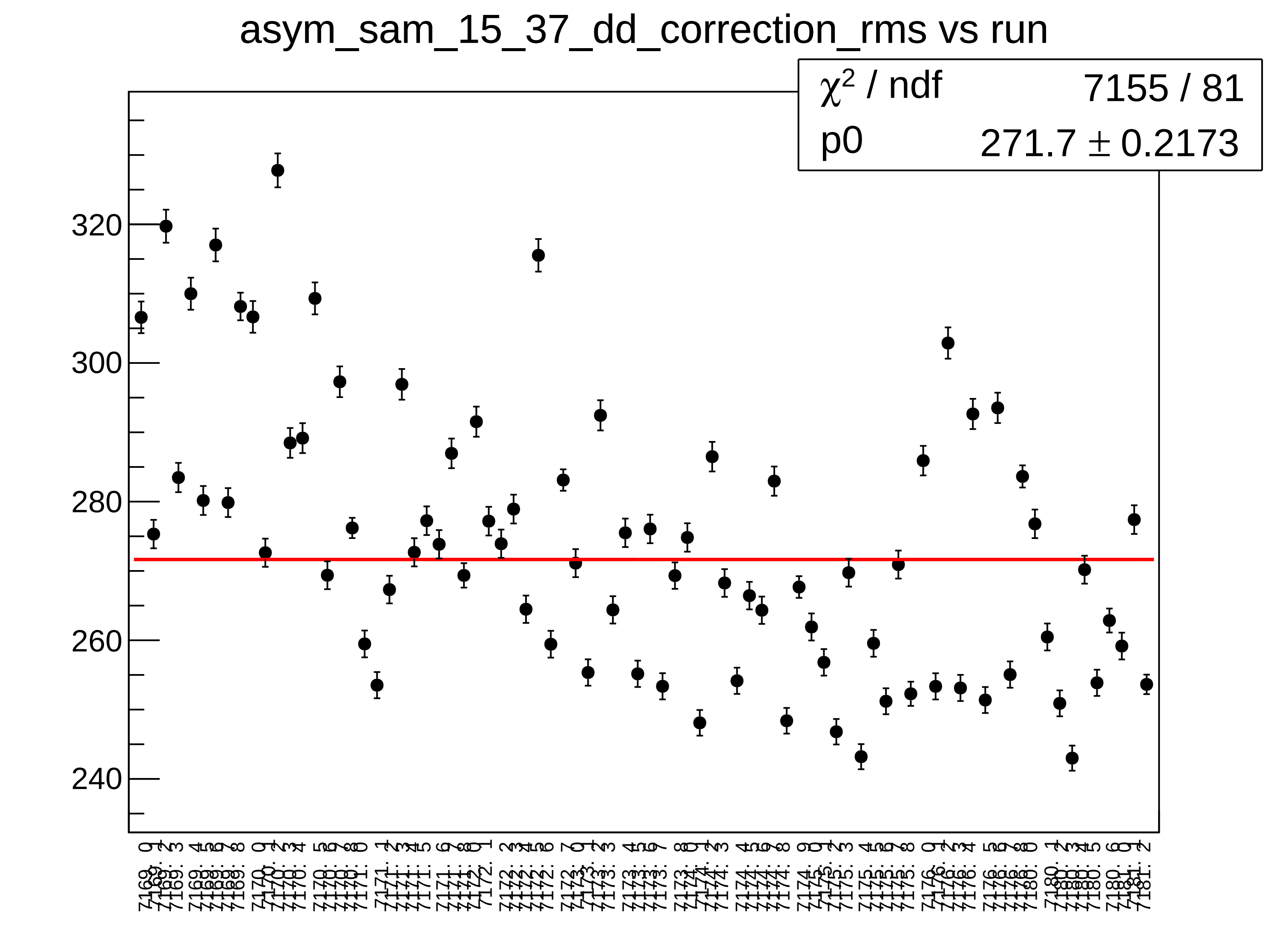
dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 87.89 / 81
p0 21.57 ± 42.3
1000
500
0
−500
−1000
pull
Entries 82
Mean −33.88
Std Dev 66
pull1D
Entries 82
Mean 0.01676
Std Dev 1.035



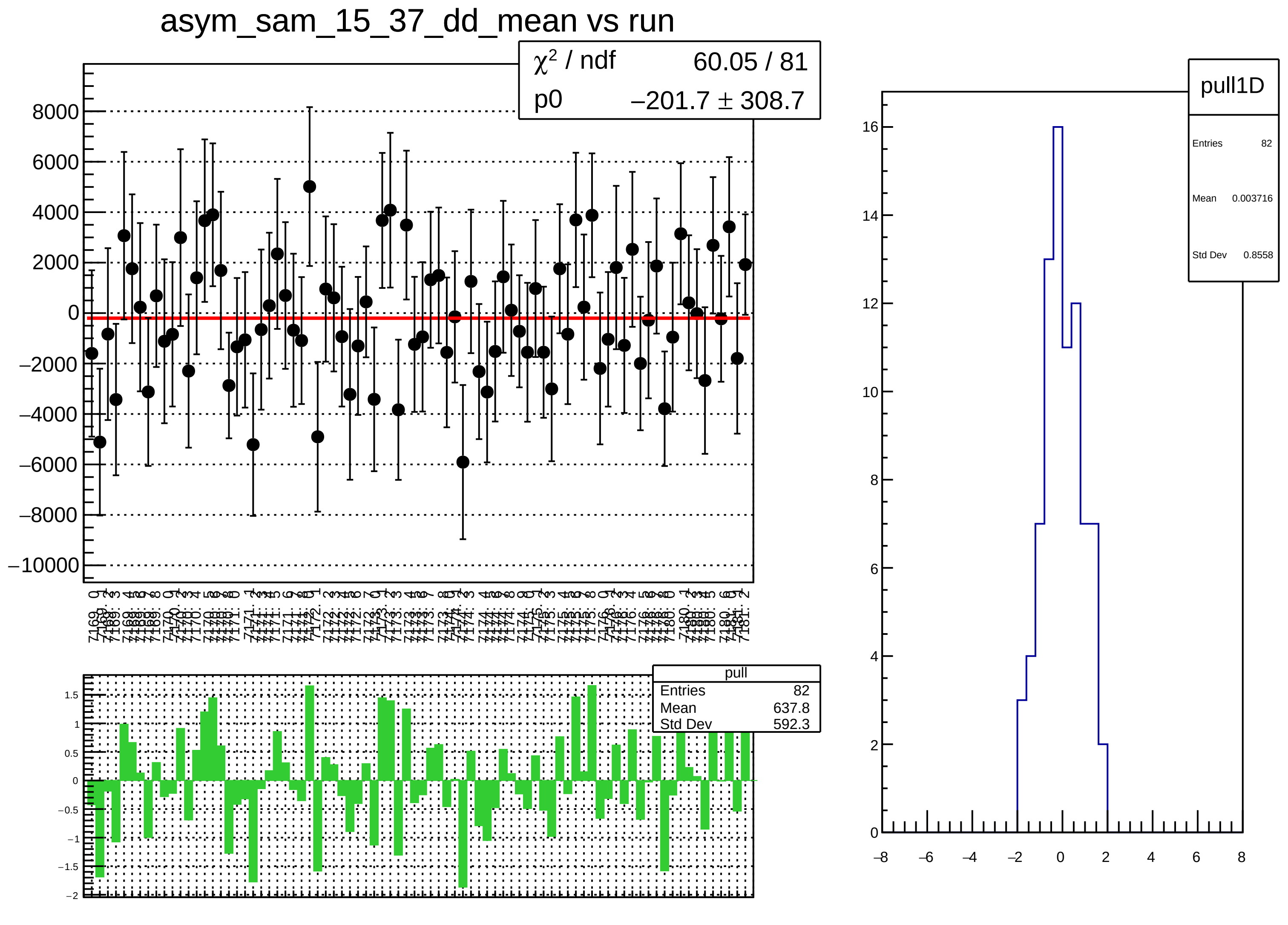
dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 441.8 / 81
p0 37.47 ± 0.02991
40
39.5
39
38.5
38
37.5
37
36.5
36



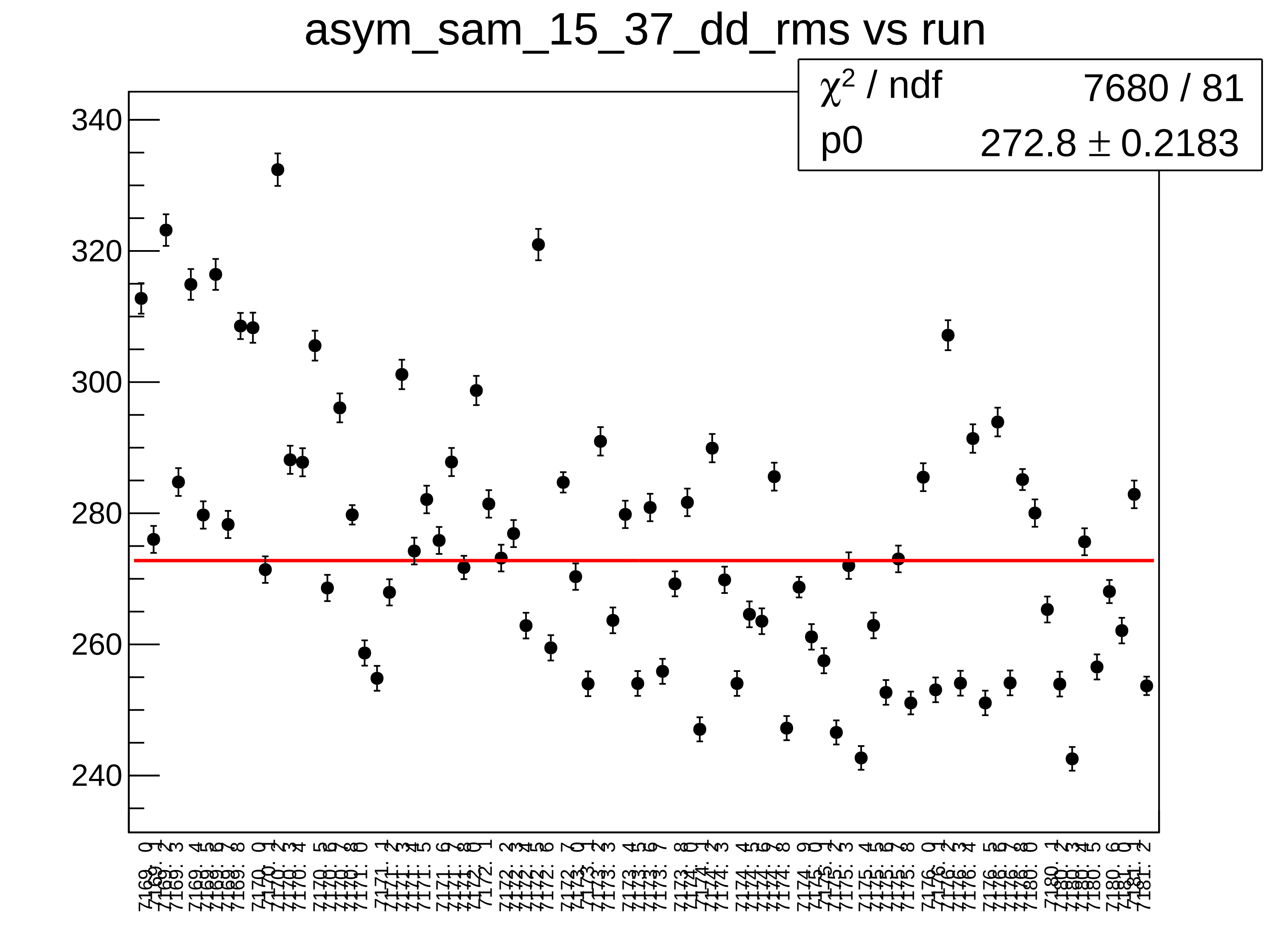
asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 61.71 / 81
p0 164.7 ± 307.3
pull
Entries 82
Mean 1589
Std Dev 1544
pull1D
Entries 82
Mean −0.001738
Std Dev 0.8675



asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 7155 / 81
p0 271.7 ± 0.2173
320
300
280
260
240

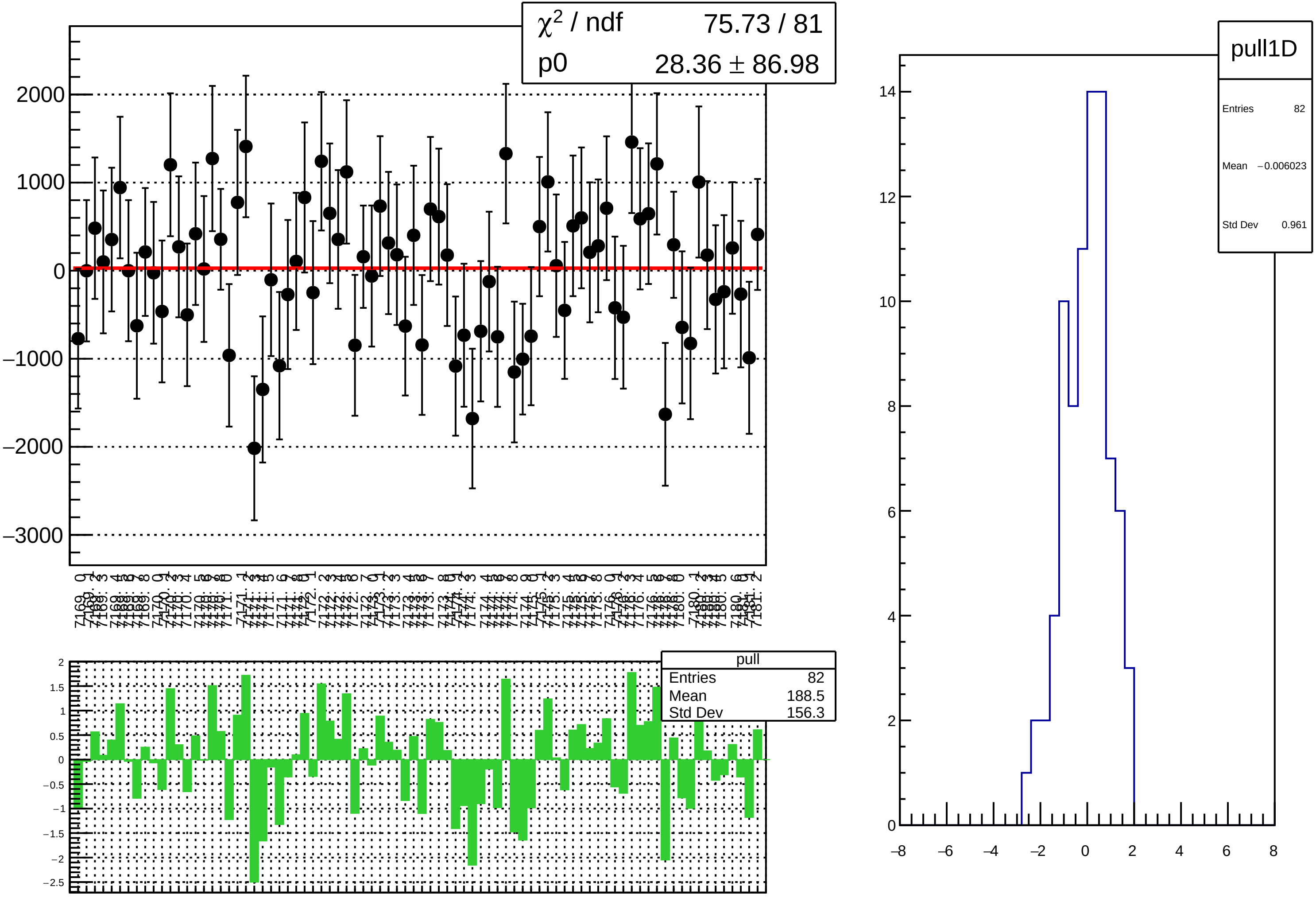


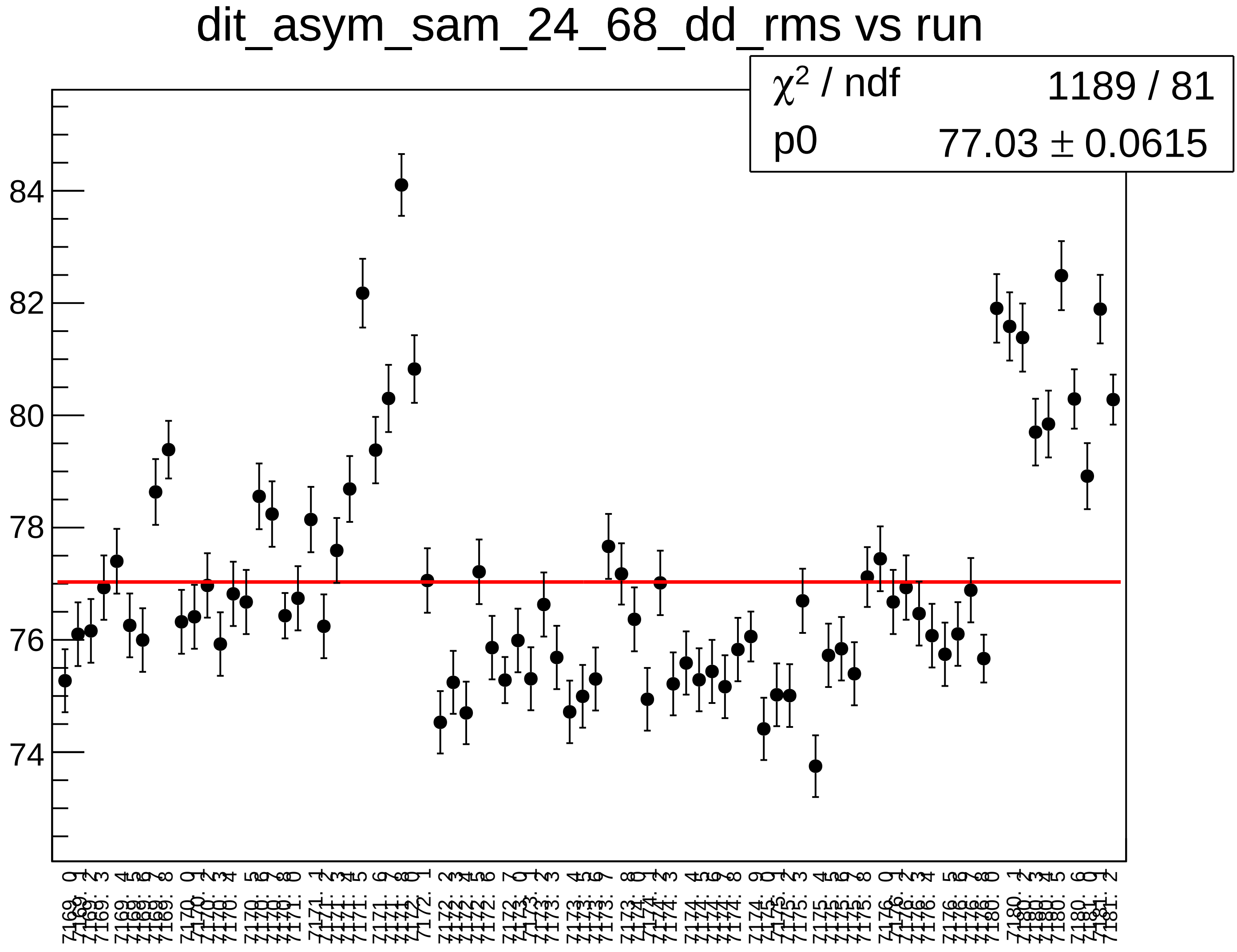
asym_sam_15_37_dd_mean vs run
χ2 / ndf 60.05 / 81
p0 −201.7 ± 308.7
pull
Entries 82
Mean 637.8
Std Dev 592.3
pull1D
Entries 82
Mean 0.003716
Std Dev 0.8558

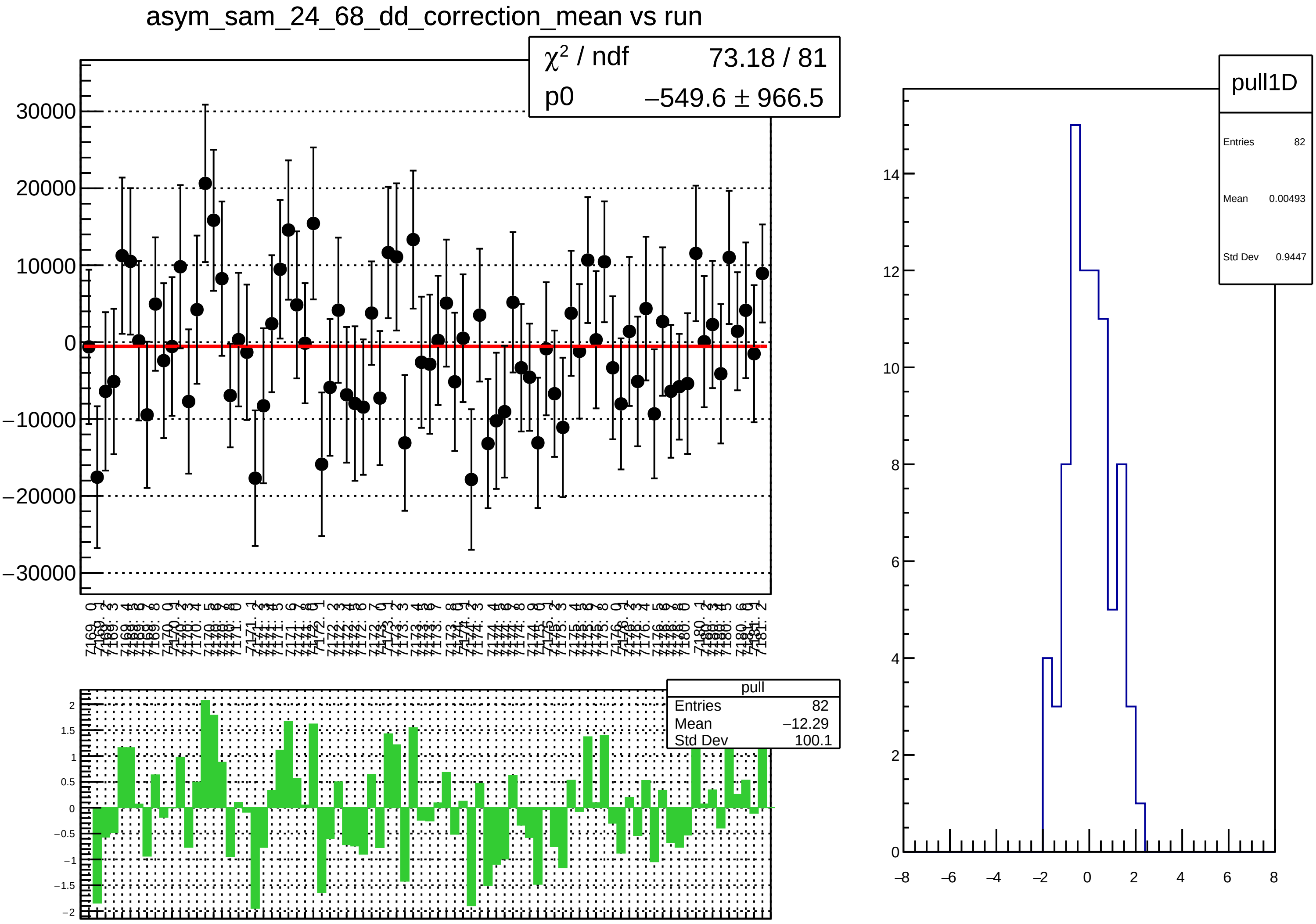


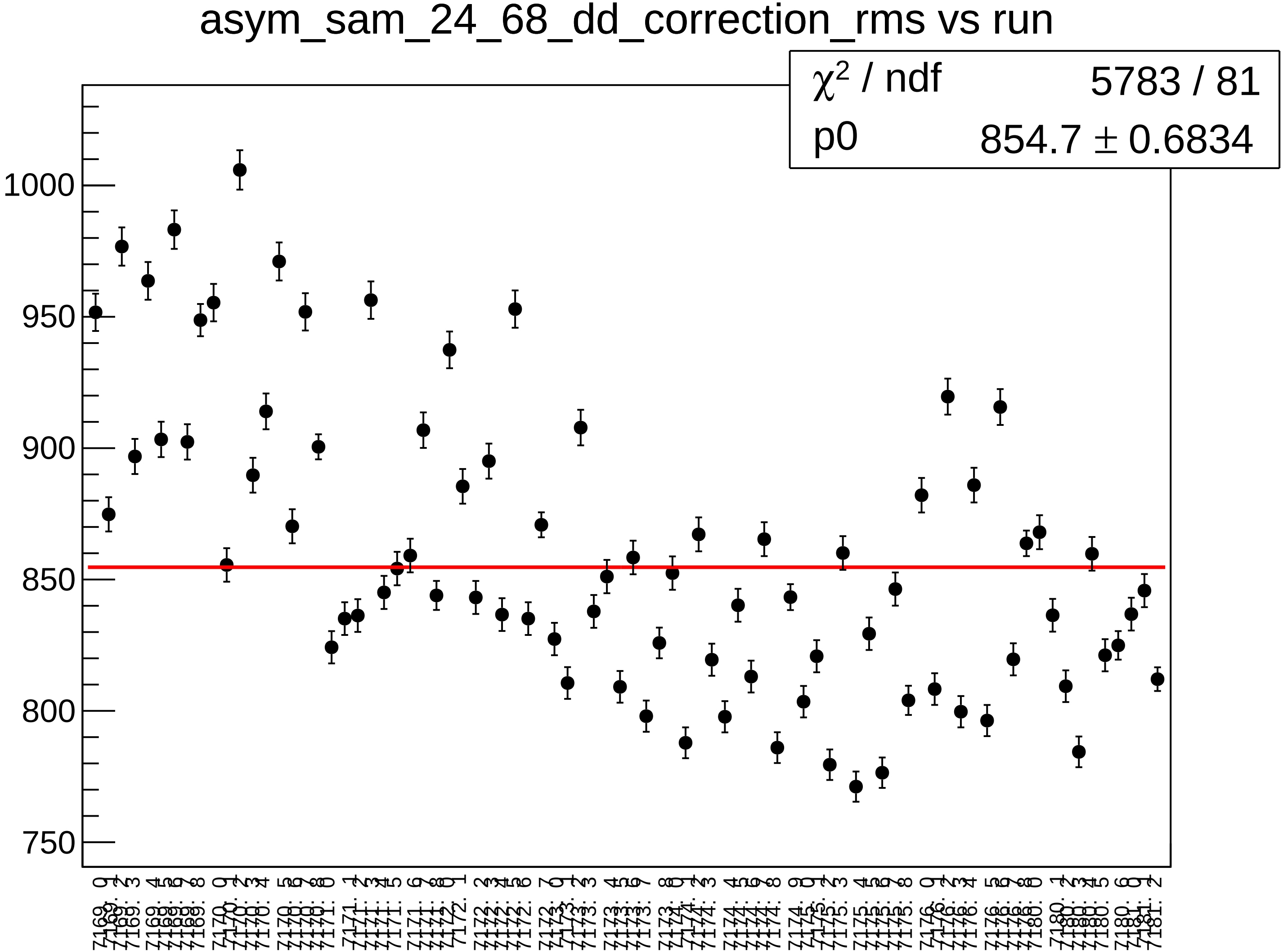
asym_sam_15_37_dd_rms vs run
χ^2 / ndf 7680 / 81
p0 272.8 ± 0.2183

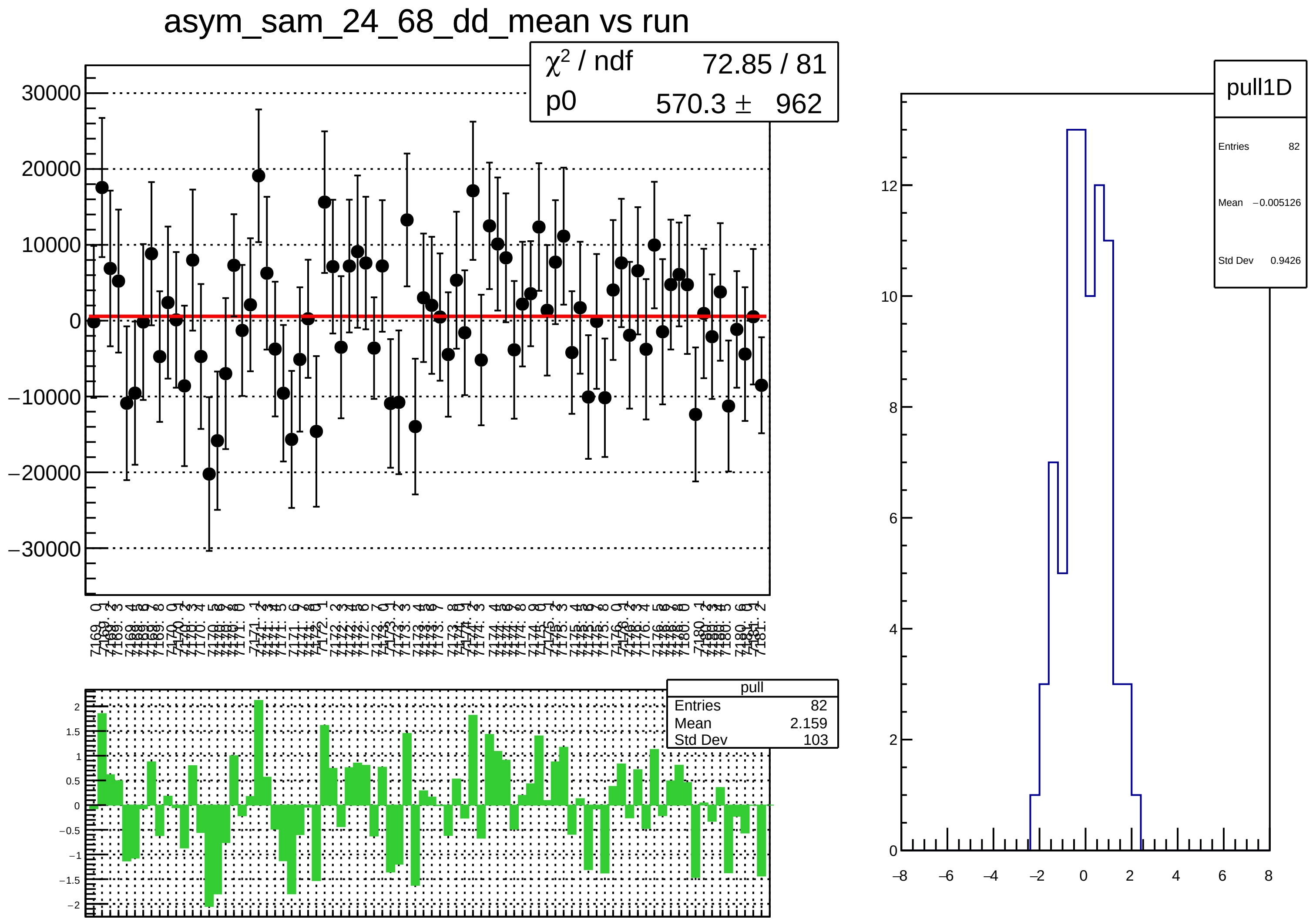
dit_asym_sam_24_68_dd_mean vs run



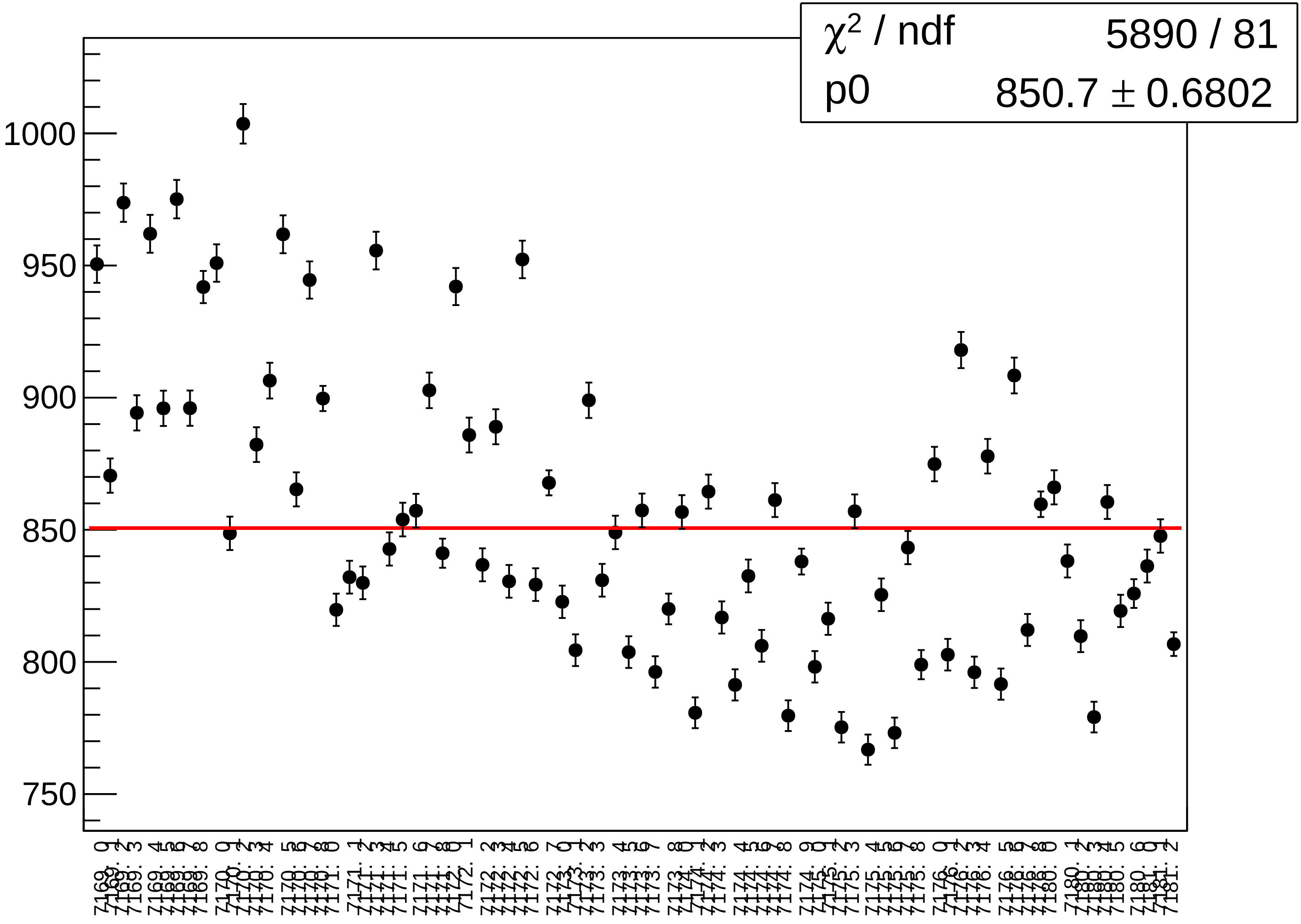

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1189 / 81
p0 77.03 ± 0.0615
84
82
80
78
76
74

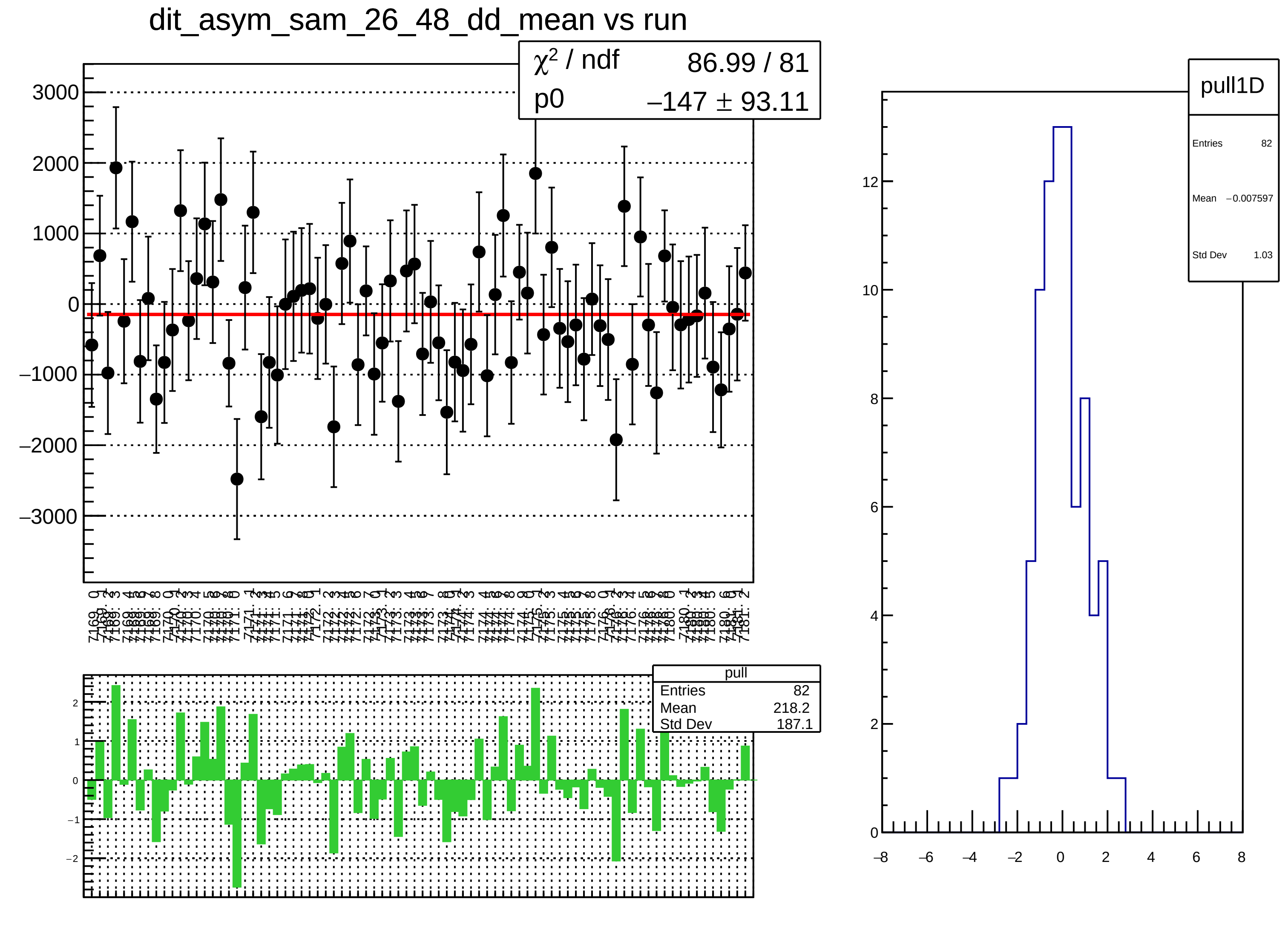

asym_sam_24_68_dd_correction_mean vs run
χ2 / ndf 73.18 / 81
p0 −549.6 ± 966.5
pull
Entries 82
Mean −12.29
Std Dev 100.1
pull1D
Entries 82
Mean 0.00493
Std Dev 0.9447

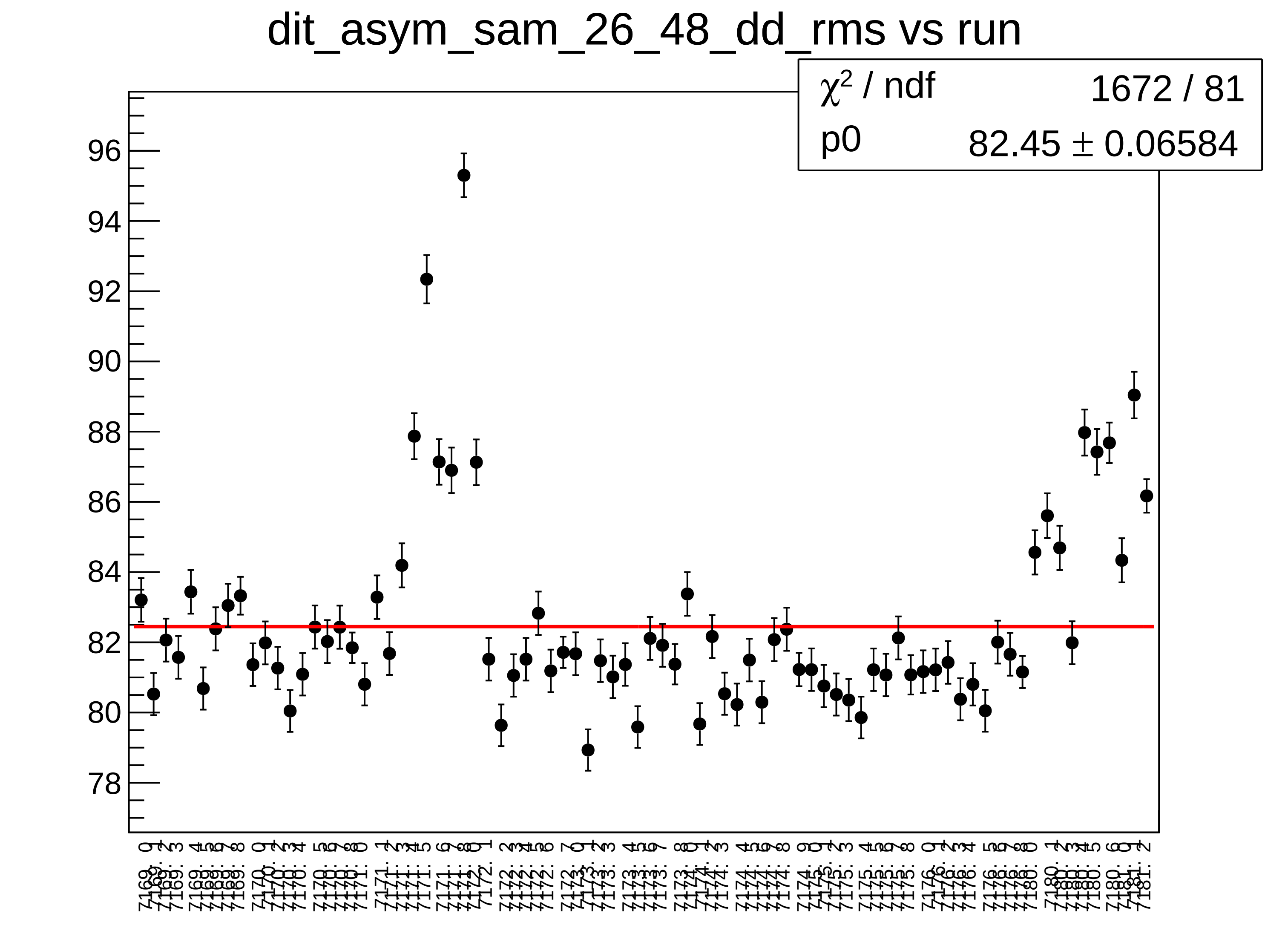

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 5783 / 81
p0 854.7 ± 0.6834
1000
950
900
850
800
750


asym_sam_24_68_dd_mean vs run
χ^2 / ndf 72.85 / 81
p0 570.3 ± 962
pull
Entries 82
Mean 2.159
Std Dev 103
pull1D
Entries 82
Mean −0.005126
Std Dev 0.9426

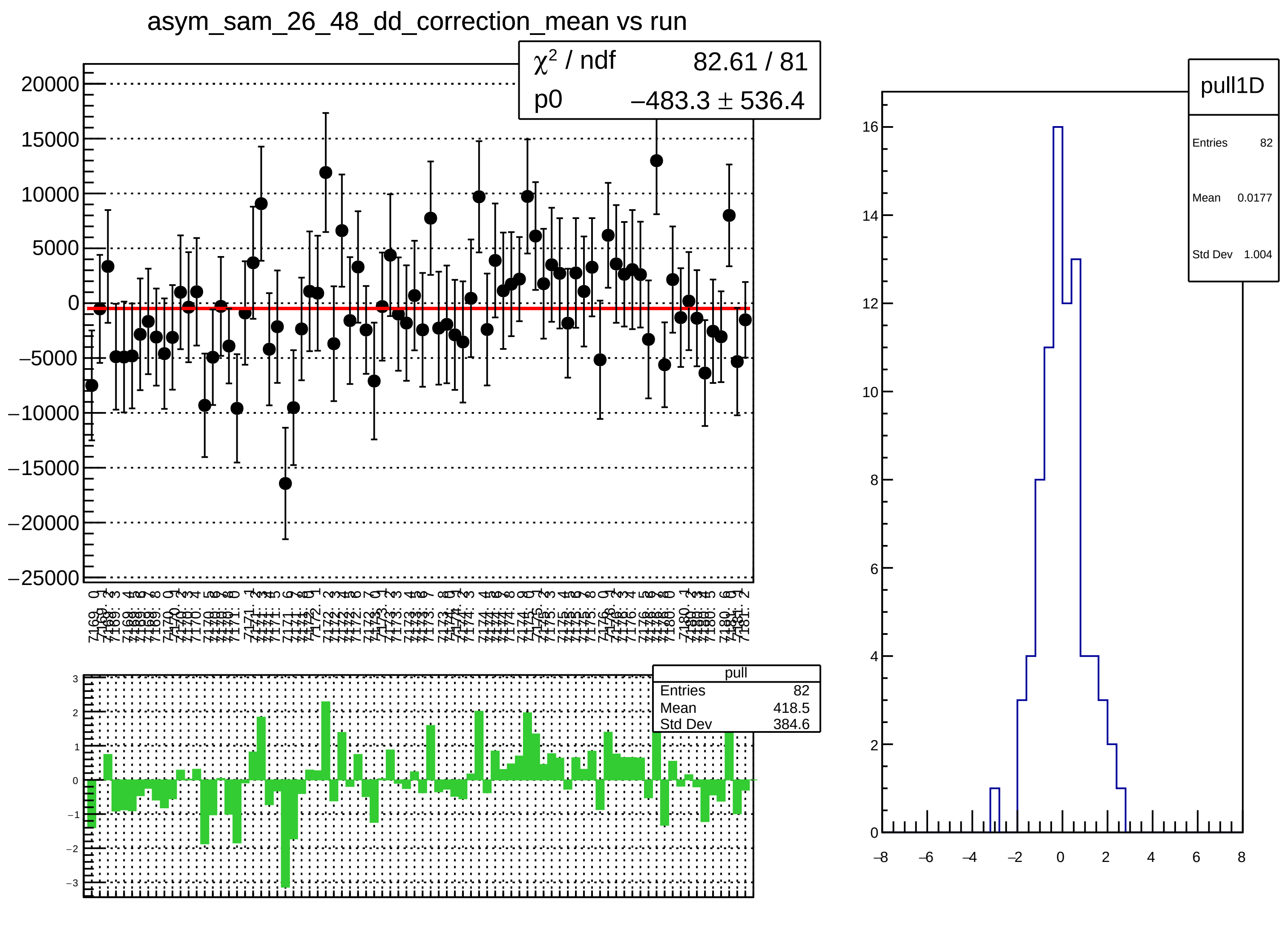
asym_sam_24_68_dd_rms vs run



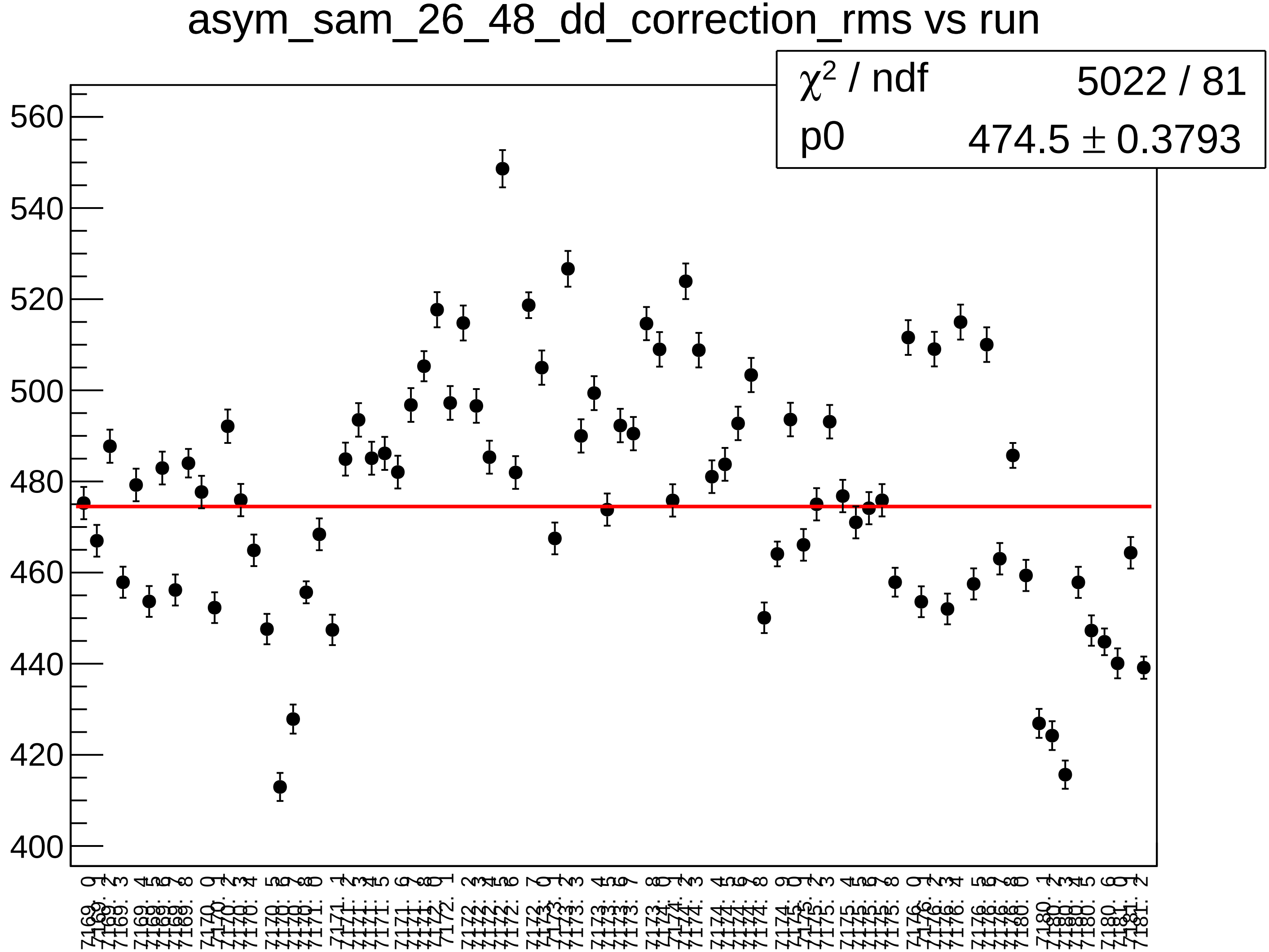

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 86.99 / 81
p0 −147 ± 93.11
pull
Entries 82
Mean 218.2
Std Dev 187.1
pull1D
Entries 82
Mean −0.007597
Std Dev 1.03



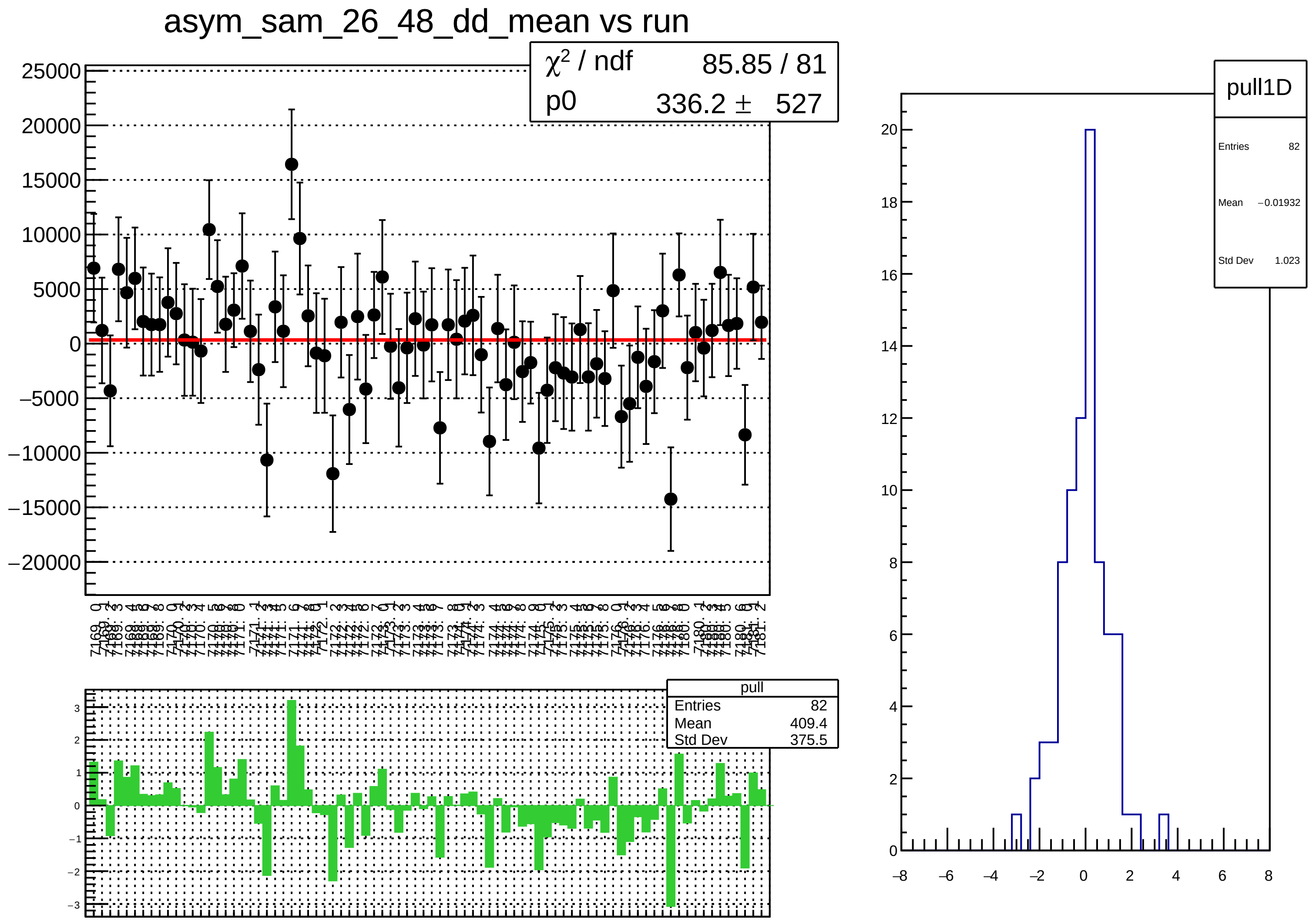
dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1672 / 81
p0 82.45 ± 0.06584
96
94
92
90
88
86
84
82
80
78



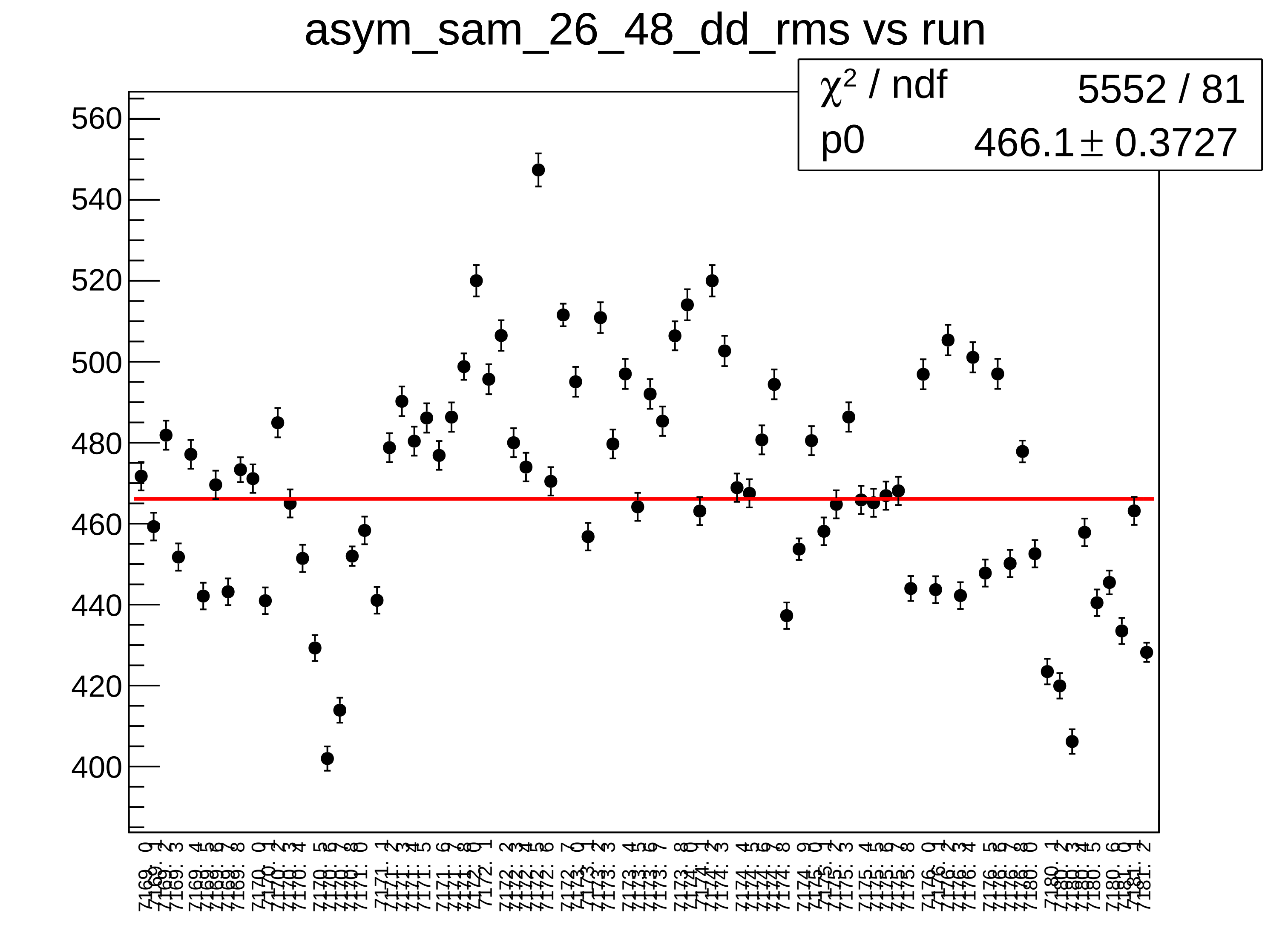
asym_sam_26_48_dd_correction_mean vs run
χ2 / ndf 82.61 / 81
p0 −483.3 ± 536.4
pull
Entries 82
Mean 418.5
Std Dev 384.6
pull1D
Entries 82
Mean 0.0177
Std Dev 1.004

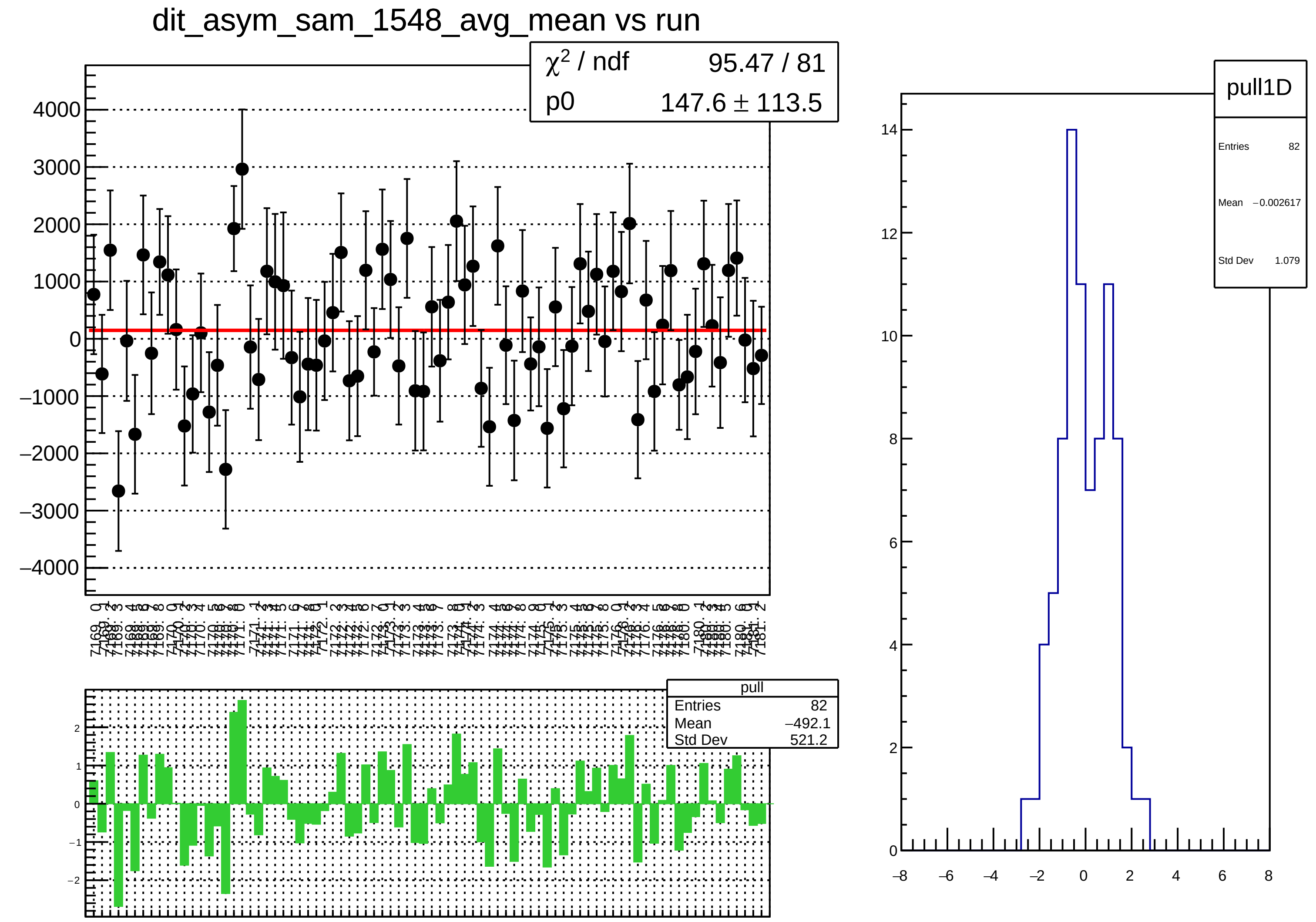


asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 5022 / 81
p0 474.5 ± 0.3793
560
540
520
500
480
460
440
420
400

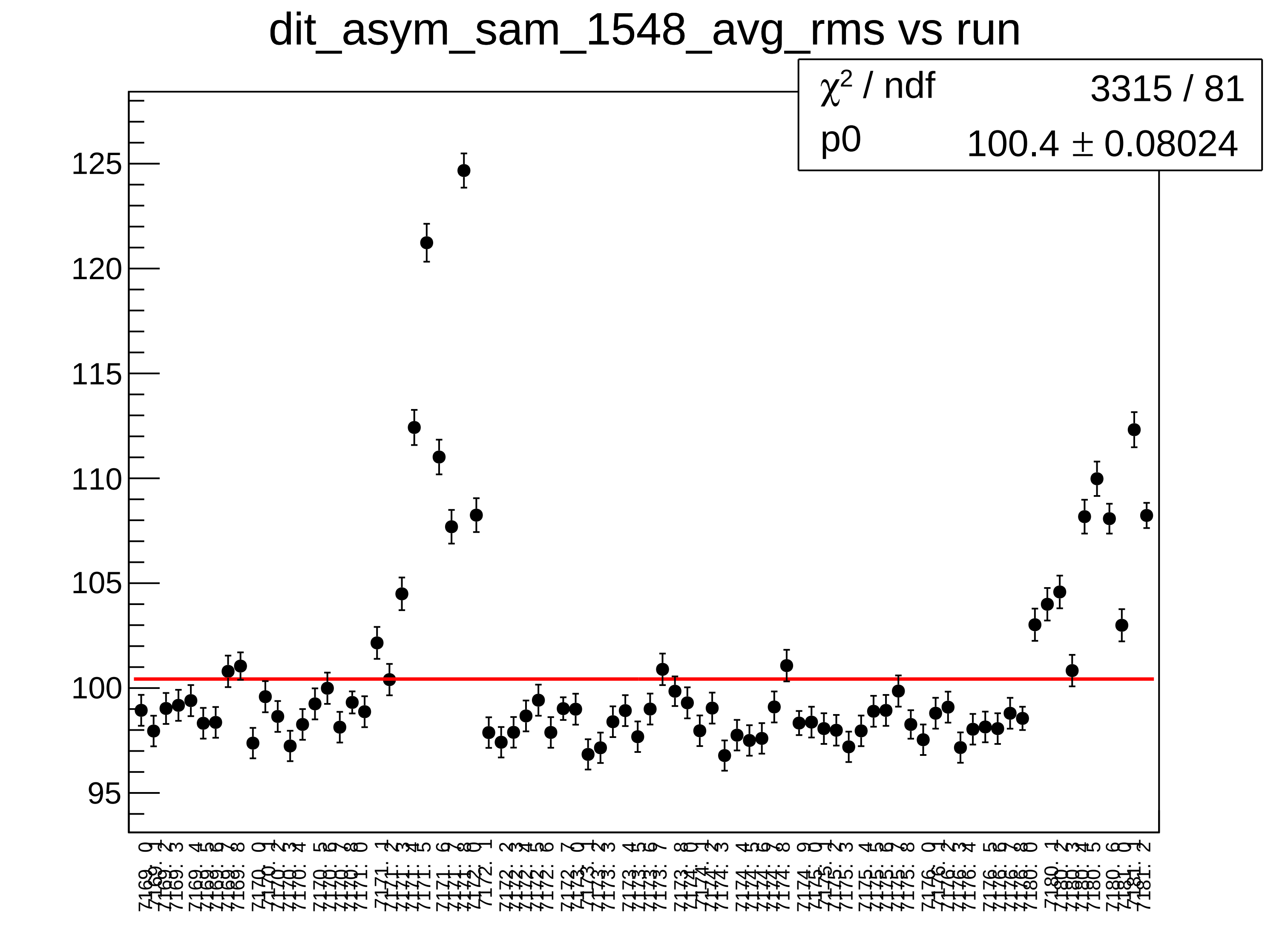


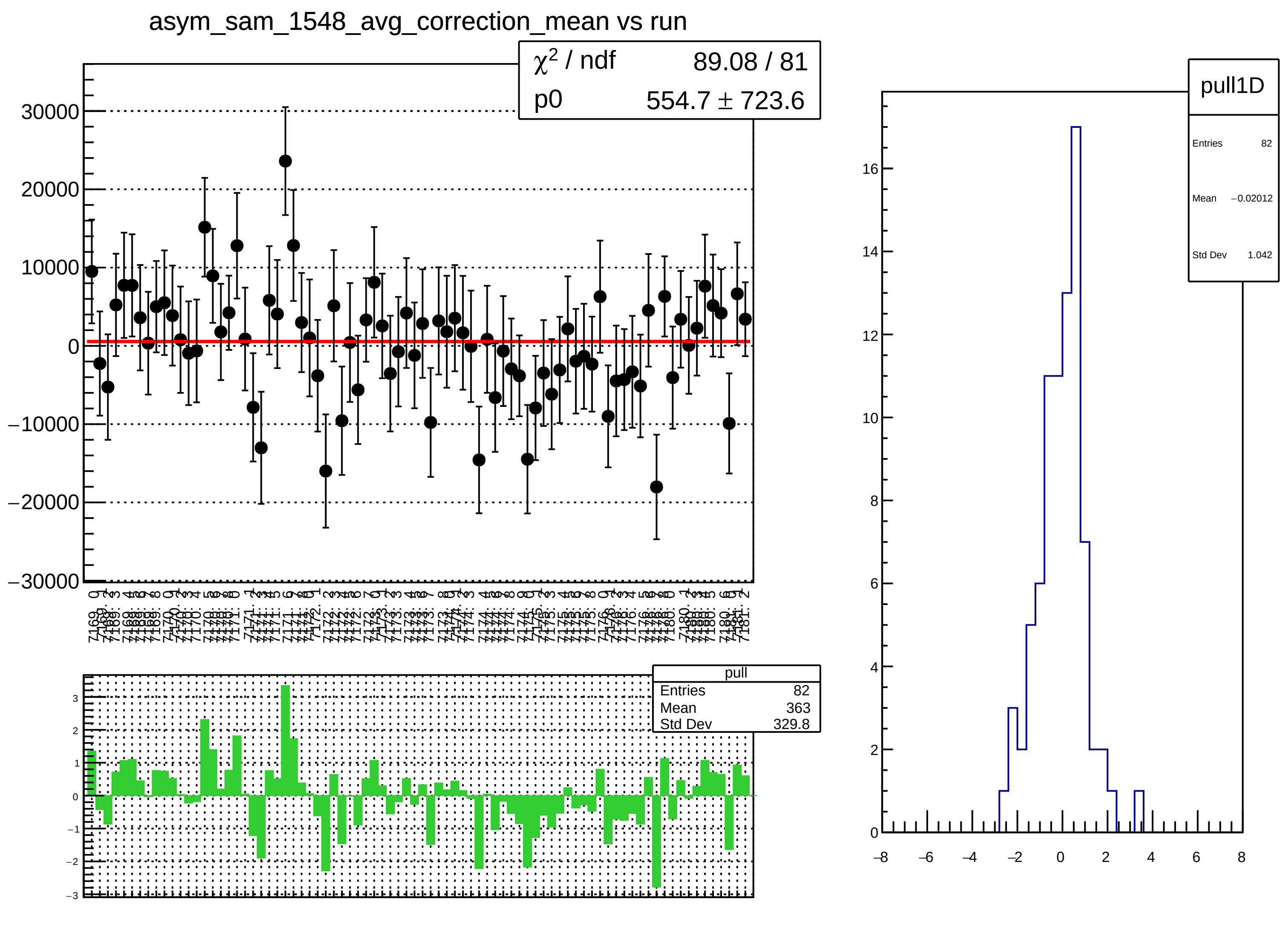
asym_sam_26_48_dd_mean vs run
χ^2 / ndf 85.85 / 81
p0 336.2 ± 527
pull
Entries 82
Mean 409.4
Std Dev 375.5
pull1D
Entries 82
Mean −0.01932
Std Dev 1.023


asym_sam_26_48_dd_rms vs run
χ2 / ndf 5552 / 81
p0 466.1 ± 0.3727
560
540
520
500
480
460
440
420
400

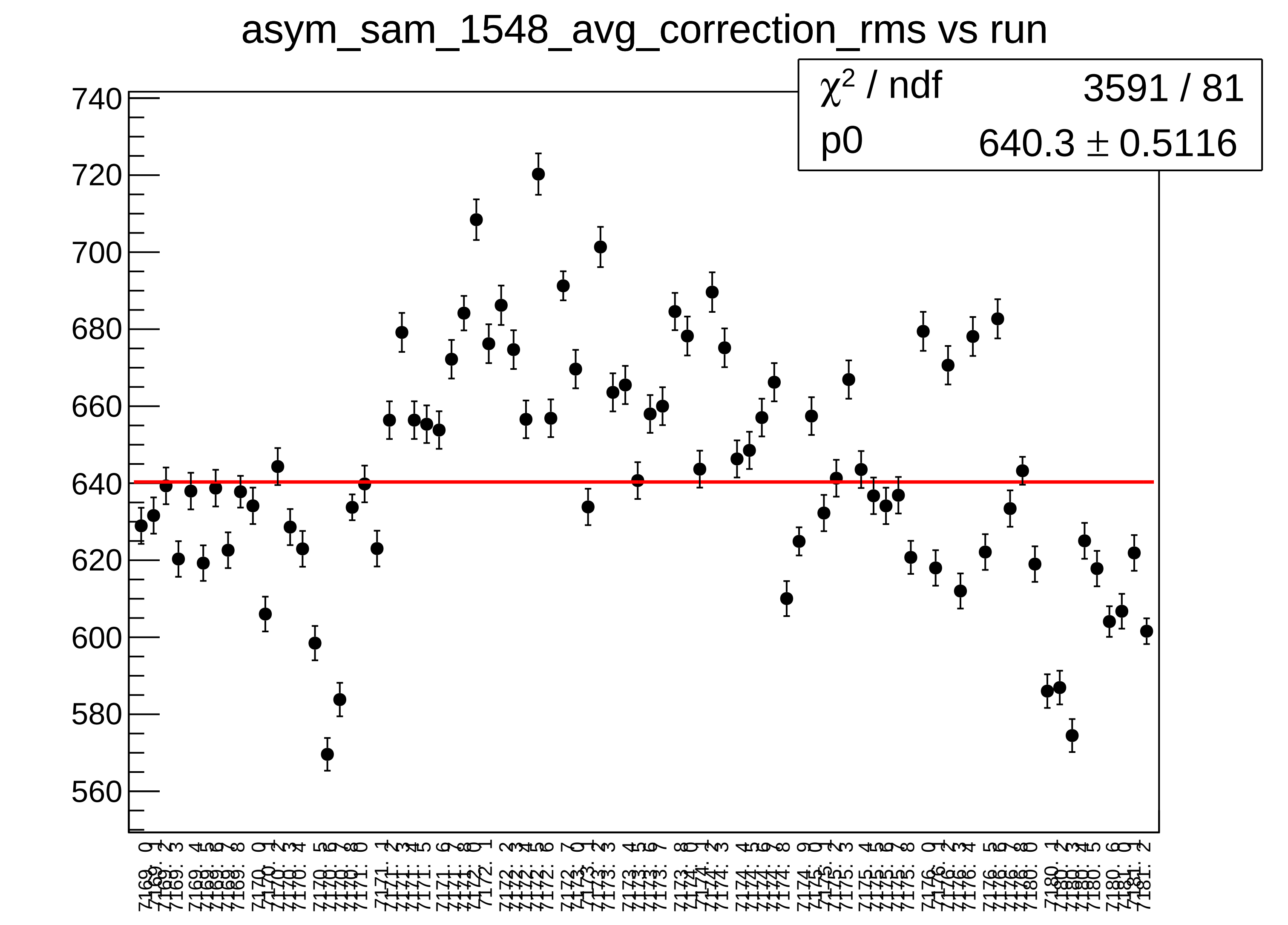


dit_asym_sam_1548_avg_mean vs run
χ2 / ndf 95.47 / 81
p0 147.6 ± 113.5
pull
Entries 82
Mean −492.1
Std Dev 521.2
pull1D
Entries 82
Mean −0.002617
Std Dev 1.079

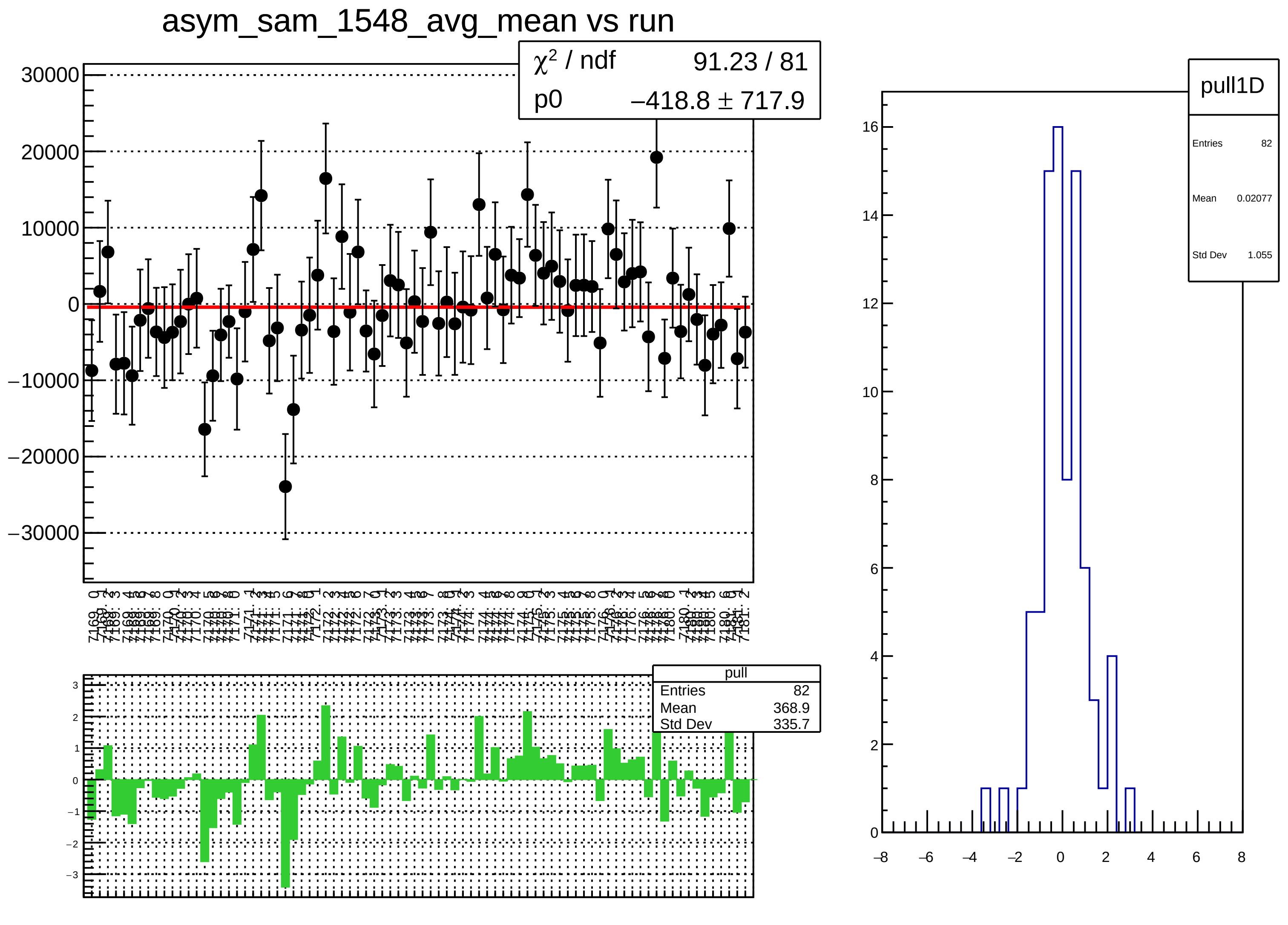

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3315 / 81
p0 100.4 ± 0.08024
125
120
115
110
105
100
95



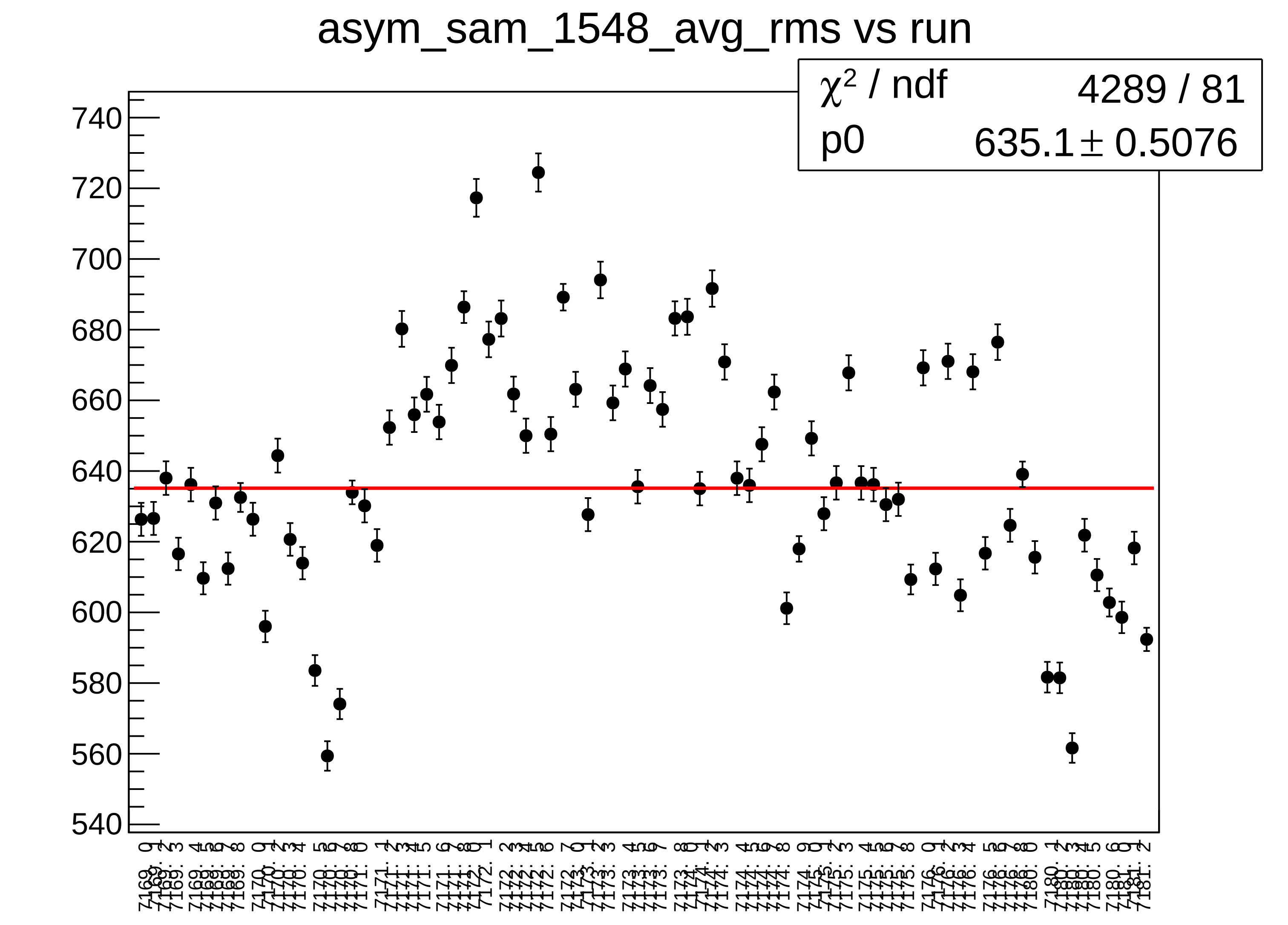
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 89.08 / 81
p0 554.7 ± 723.6
pull
Entries 82
Mean 363
Std Dev 329.8
pull1D
Entries 82
Mean −0.02012
Std Dev 1.042



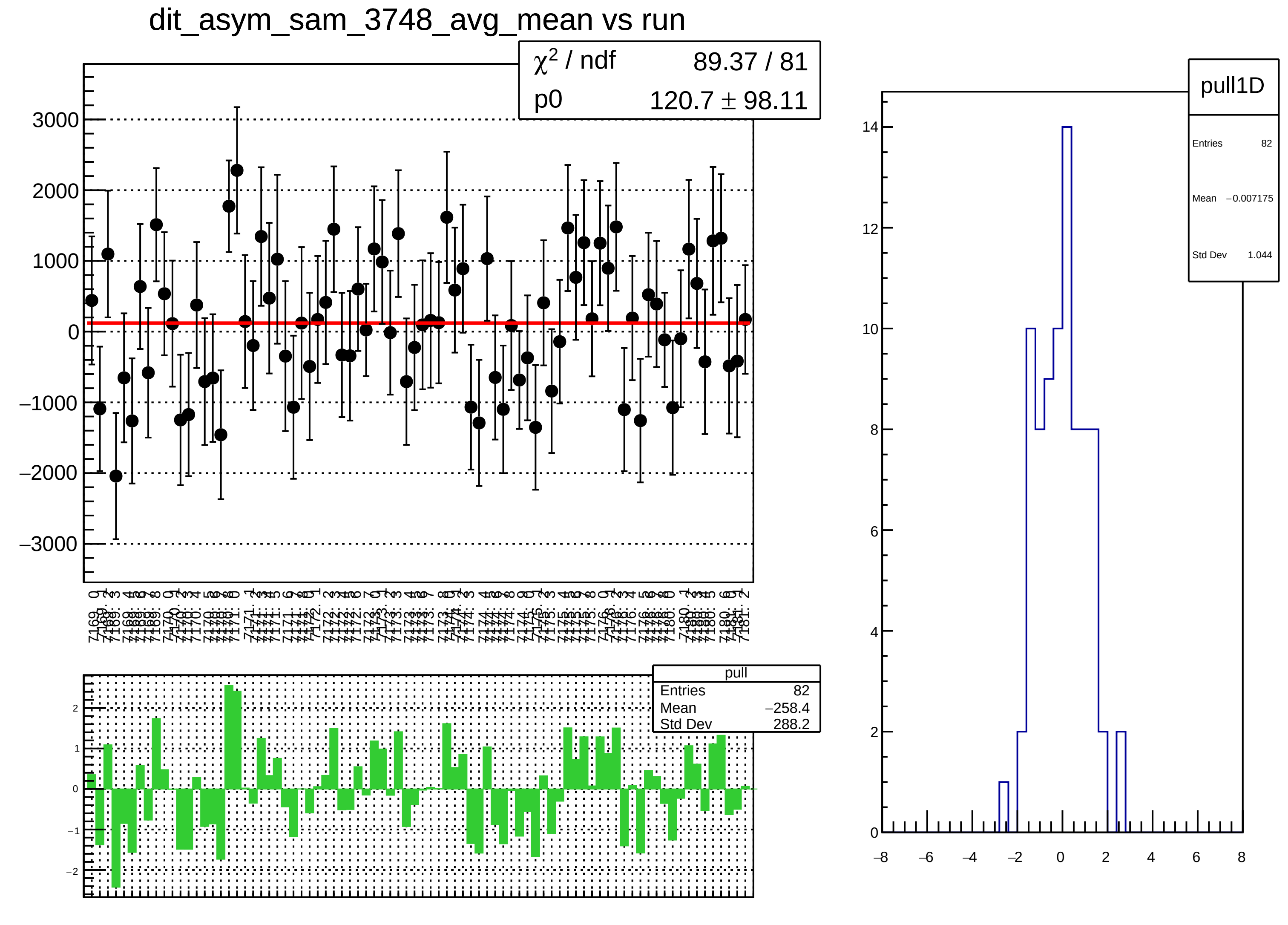
asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 3591 / 81
p0 640.3 ± 0.5116
740
720
700
680
660
640
620
600
580
560



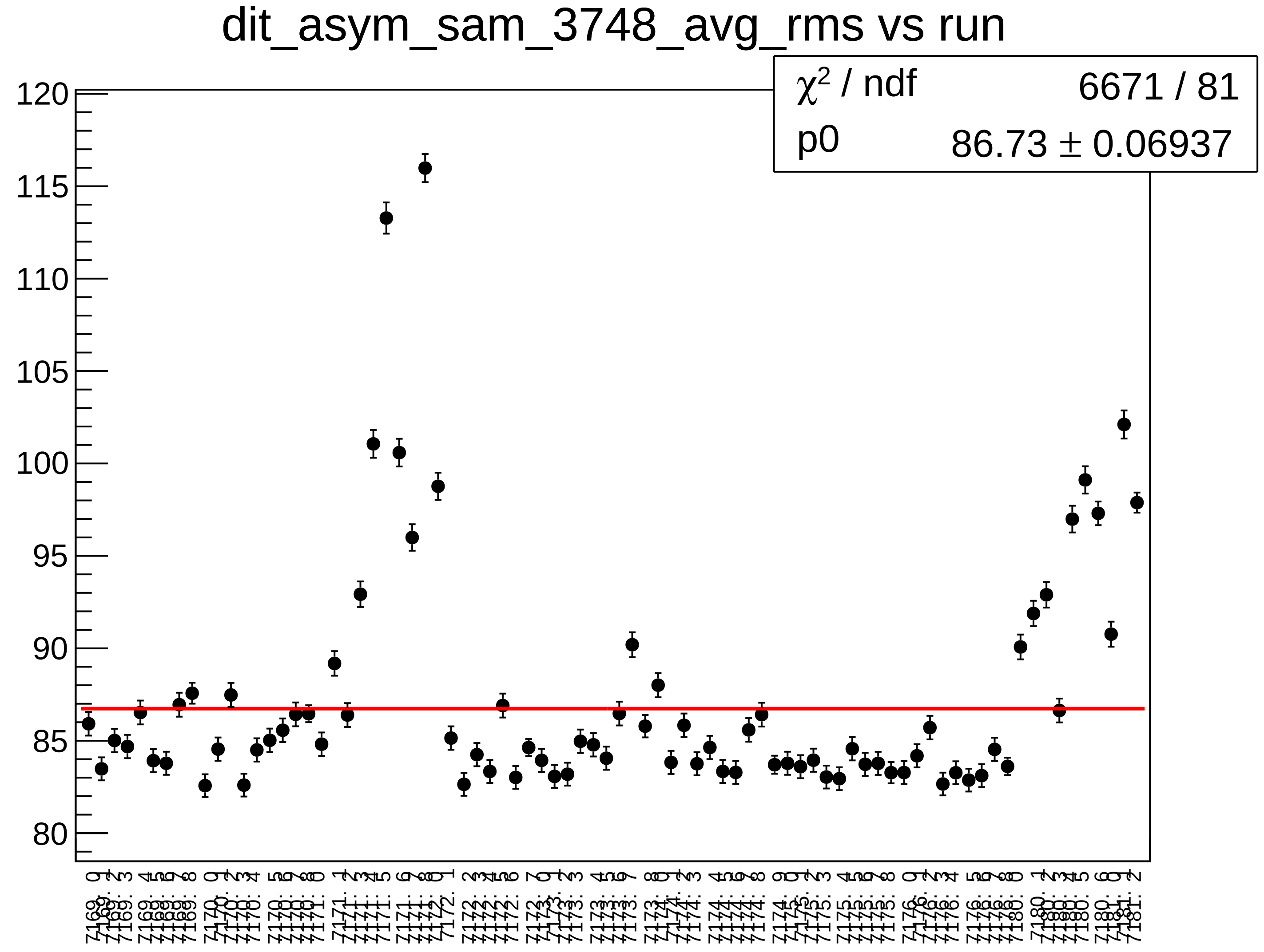
asym_sam_1548_avg_mean vs run
χ^2 / ndf 91.23 / 81
p0 −418.8 ± 717.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 368.9
Std Dev 335.7
pull1D
Entries 82
Mean 0.02077
Std Dev 1.055

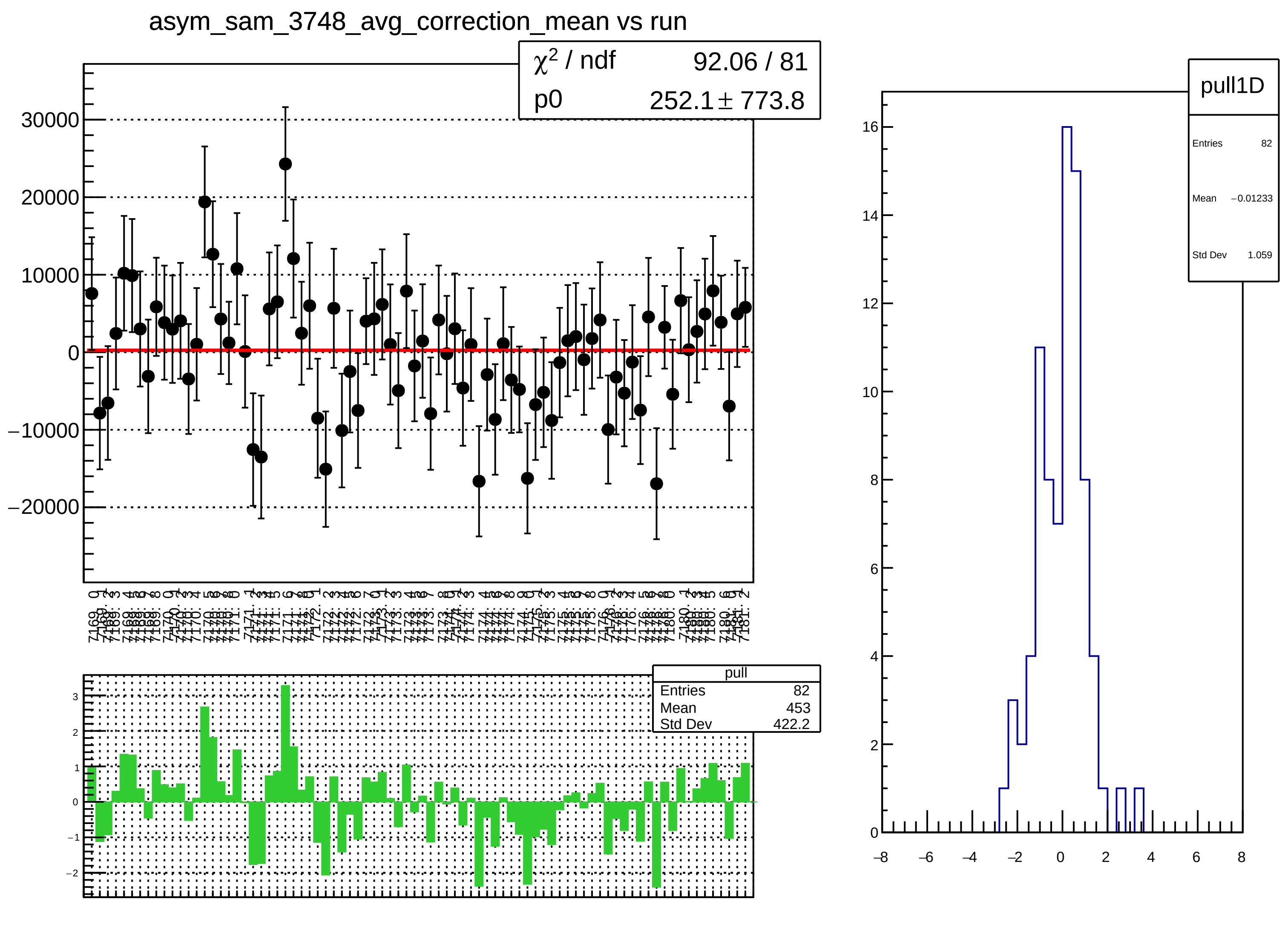


asym_sam_1548_avg_rms vs run
χ2 / ndf 4289 / 81
p0 635.1 ± 0.5076
740
720
700
680
660
640
620
600
580
560
540

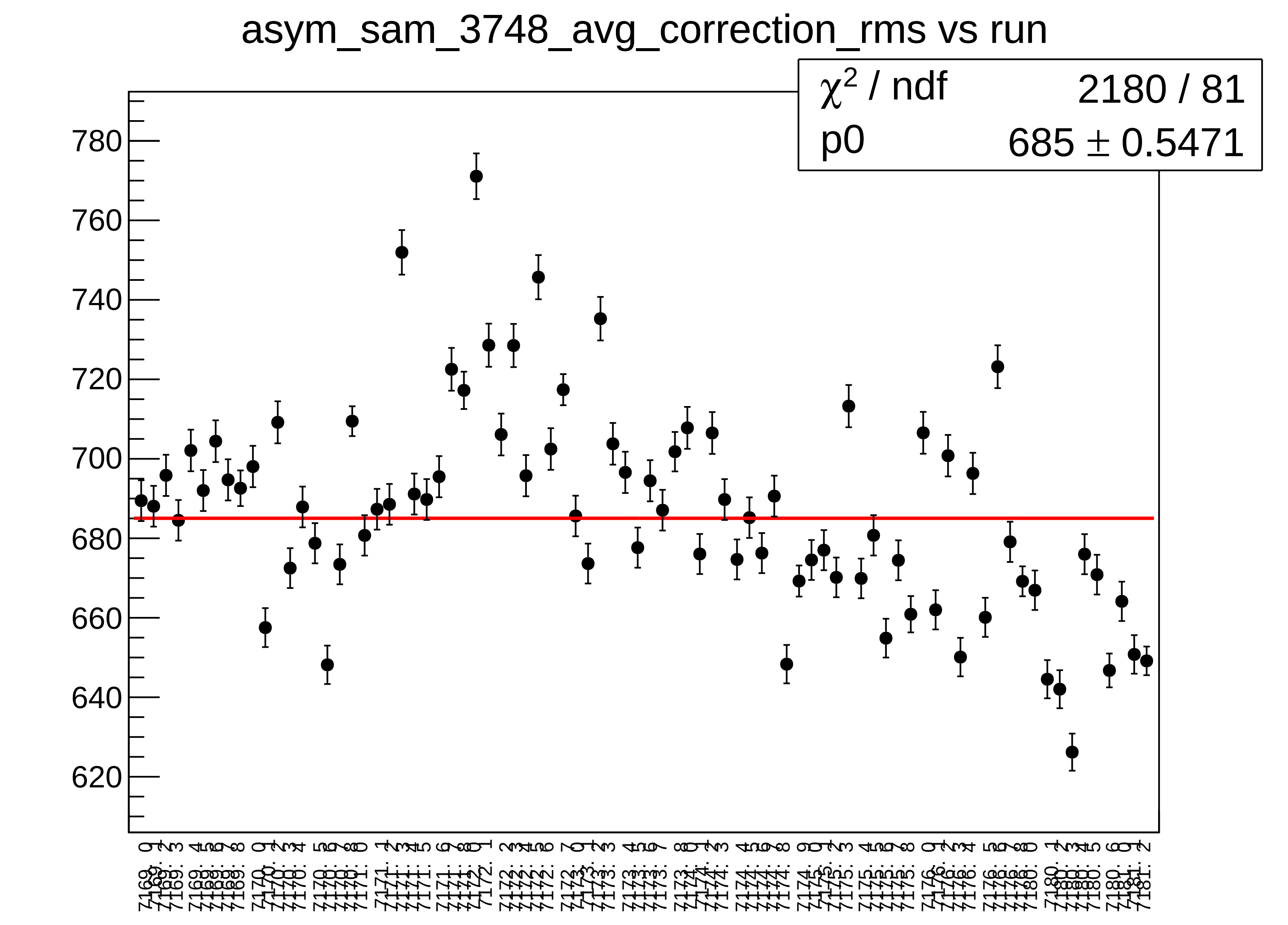


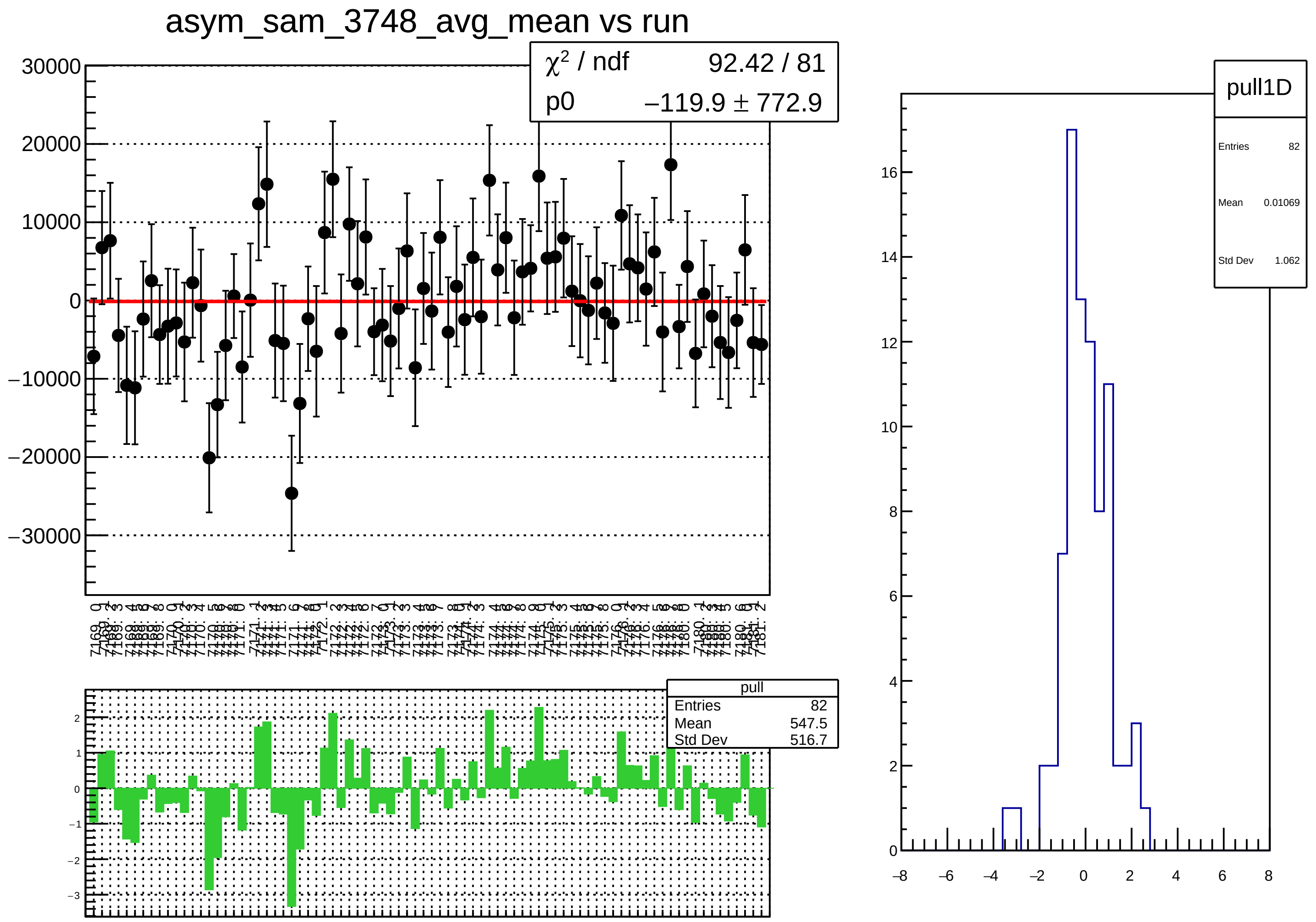
dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 89.37 / 81
p0 120.7 ± 98.11
pull
Entries 82
Mean −258.4
Std Dev 288.2
pull1D
Entries 82
Mean −0.007175
Std Dev 1.044


dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 6671 / 81
p0 86.73 ± 0.06937
120
115
110
105
100
95
90
85
80

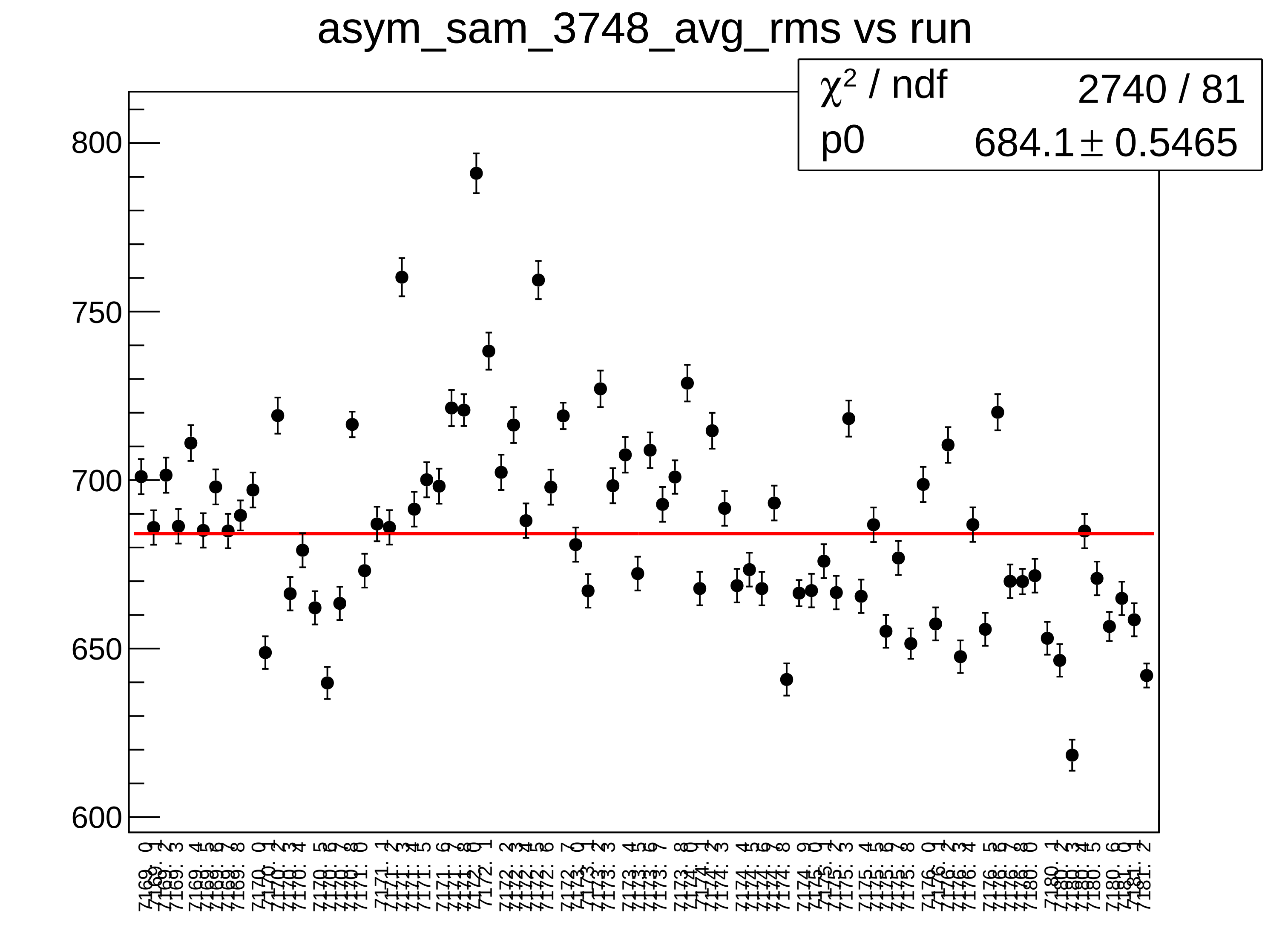


asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 92.06 / 81
p0 252.1 ± 773.8
pull
Entries 82
Mean 453
Std Dev 422.2
pull1D
Entries 82
Mean −0.01233
Std Dev 1.059

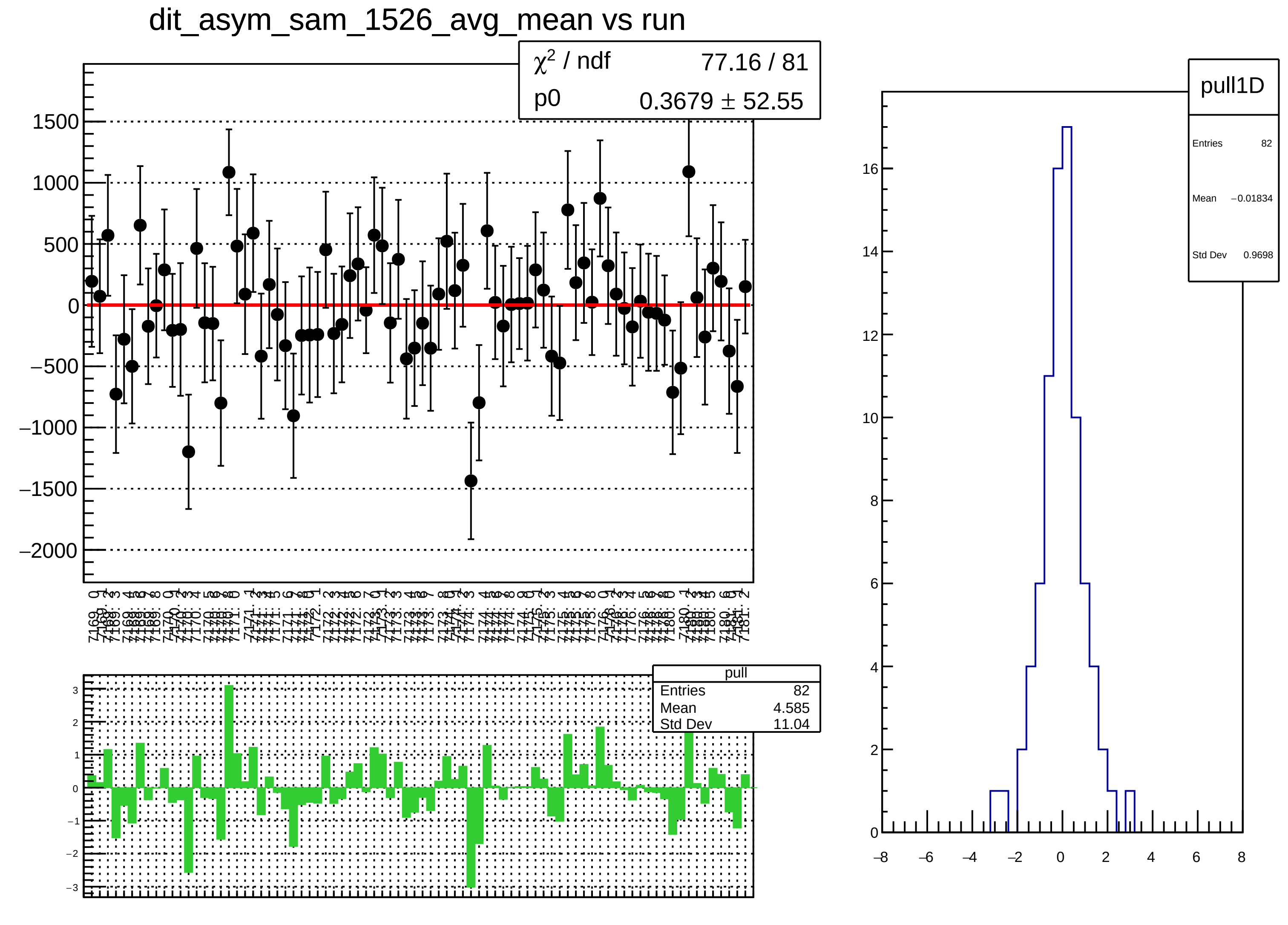

asym_sam_3748_avg_correction_rms vs run
χ2 / ndf 2180 / 81
p0 685 ± 0.5471
780
760
740
720
700
680
660
640
620



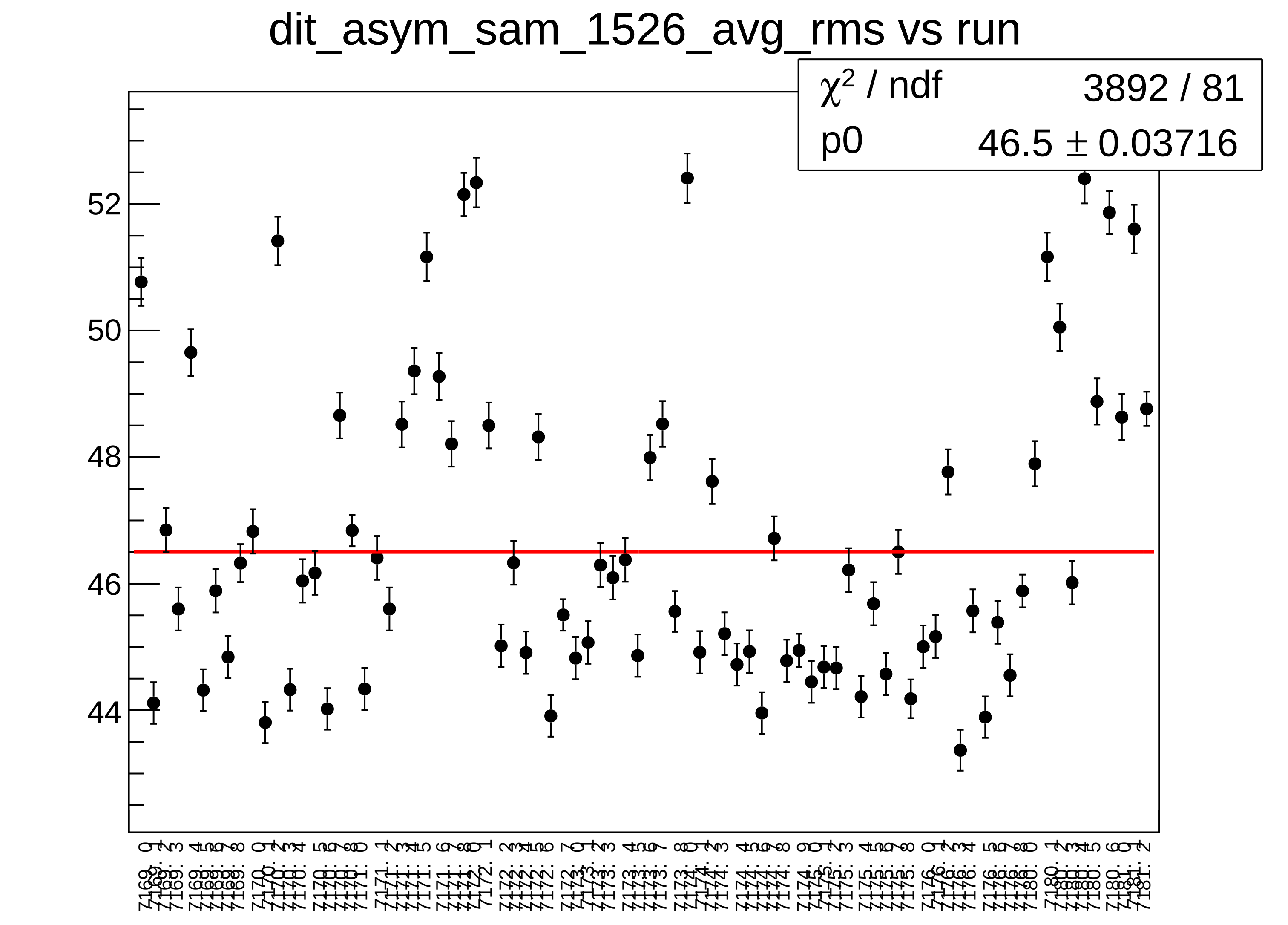
asym_sam_3748_avg_mean vs run
χ^2 / ndf 92.42 / 81
p0 −119.9 ± 772.9
pull
Entries 82
Mean 547.5
Std Dev 516.7
pull1D
Entries 82
Mean 0.01069
Std Dev 1.062



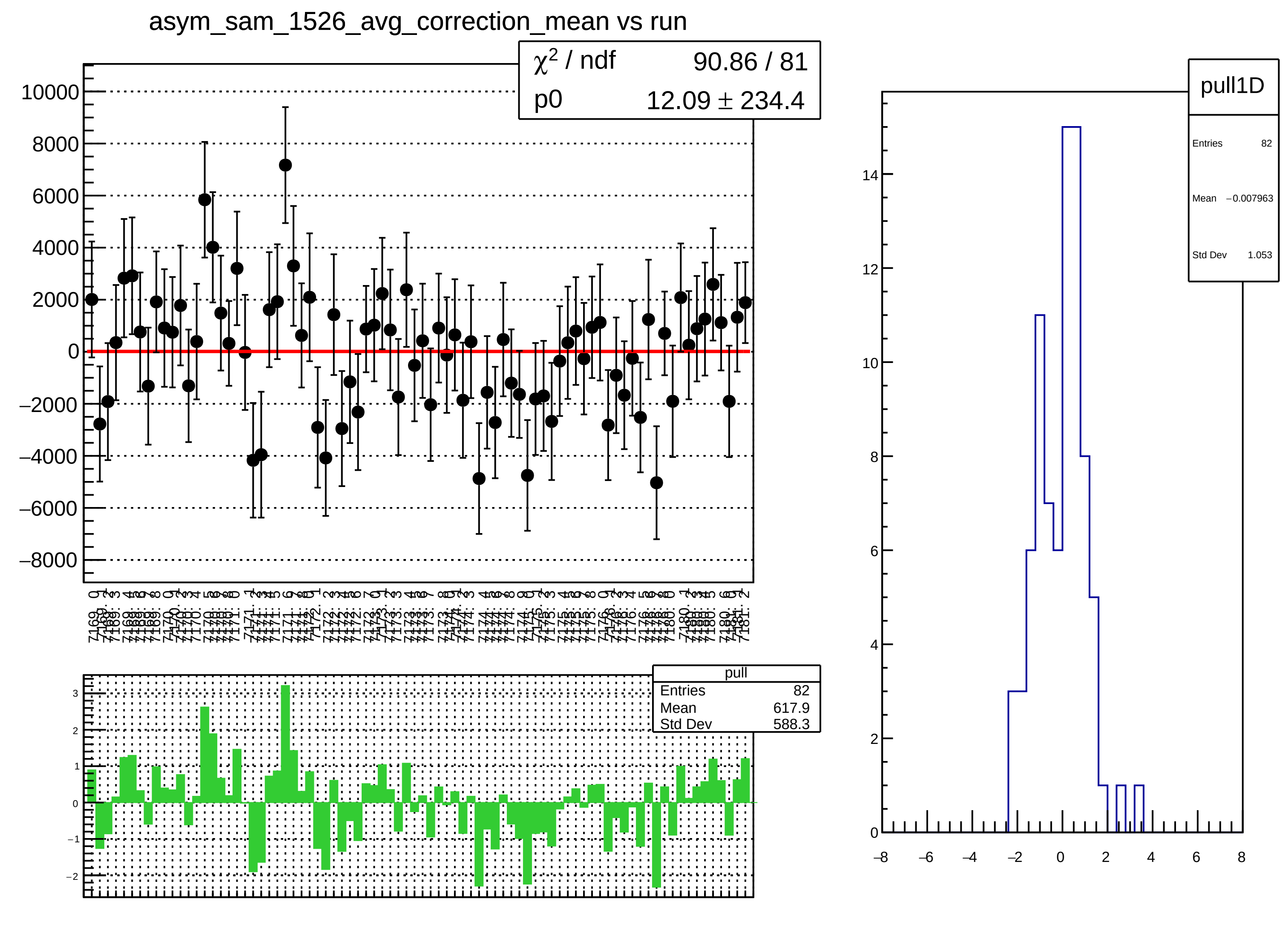
asym_sam_3748_avg_rms vs run
χ² / ndf 2740 / 81
p0 684.1 ± 0.5465
800
750
700
650
600



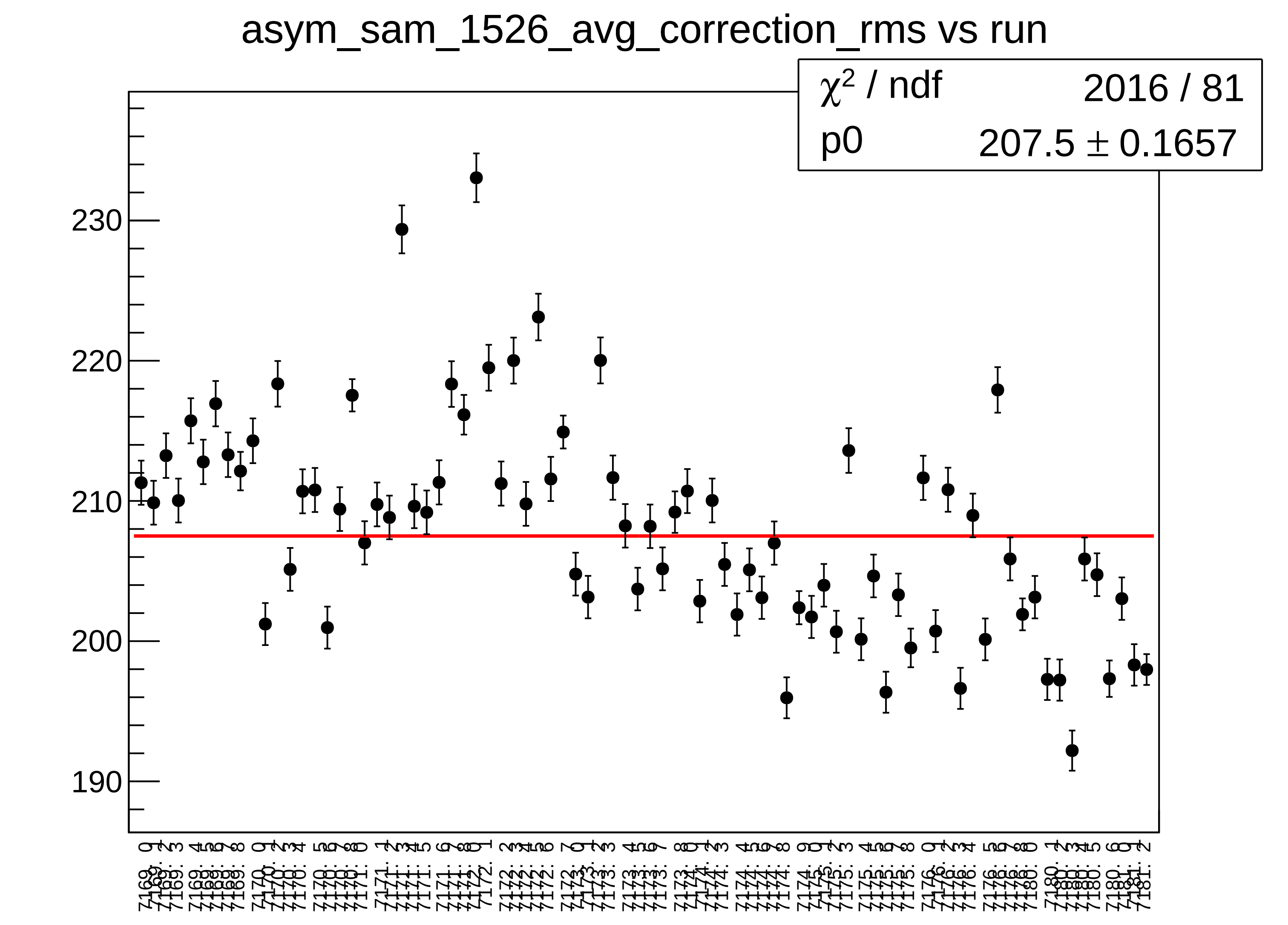
dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 77.16 / 81
p0 0.3679 ± 52.55
pull
Entries 82
Mean 4.585
Std Dev 11.04
pull1D
Entries 82
Mean −0.01834
Std Dev 0.9698

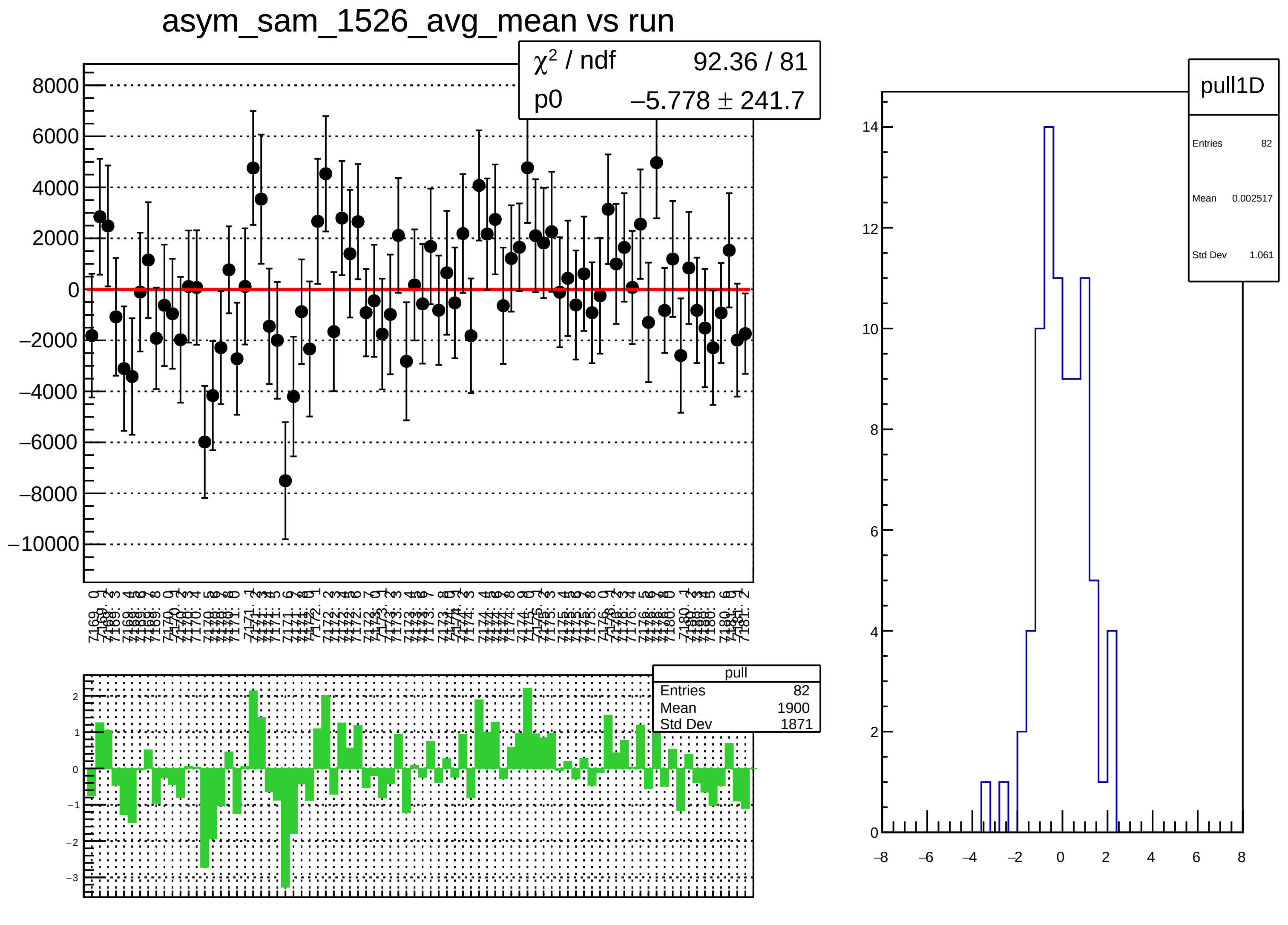


dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 3892 / 81
p0 46.5 ± 0.03716
52
50
48
46
44

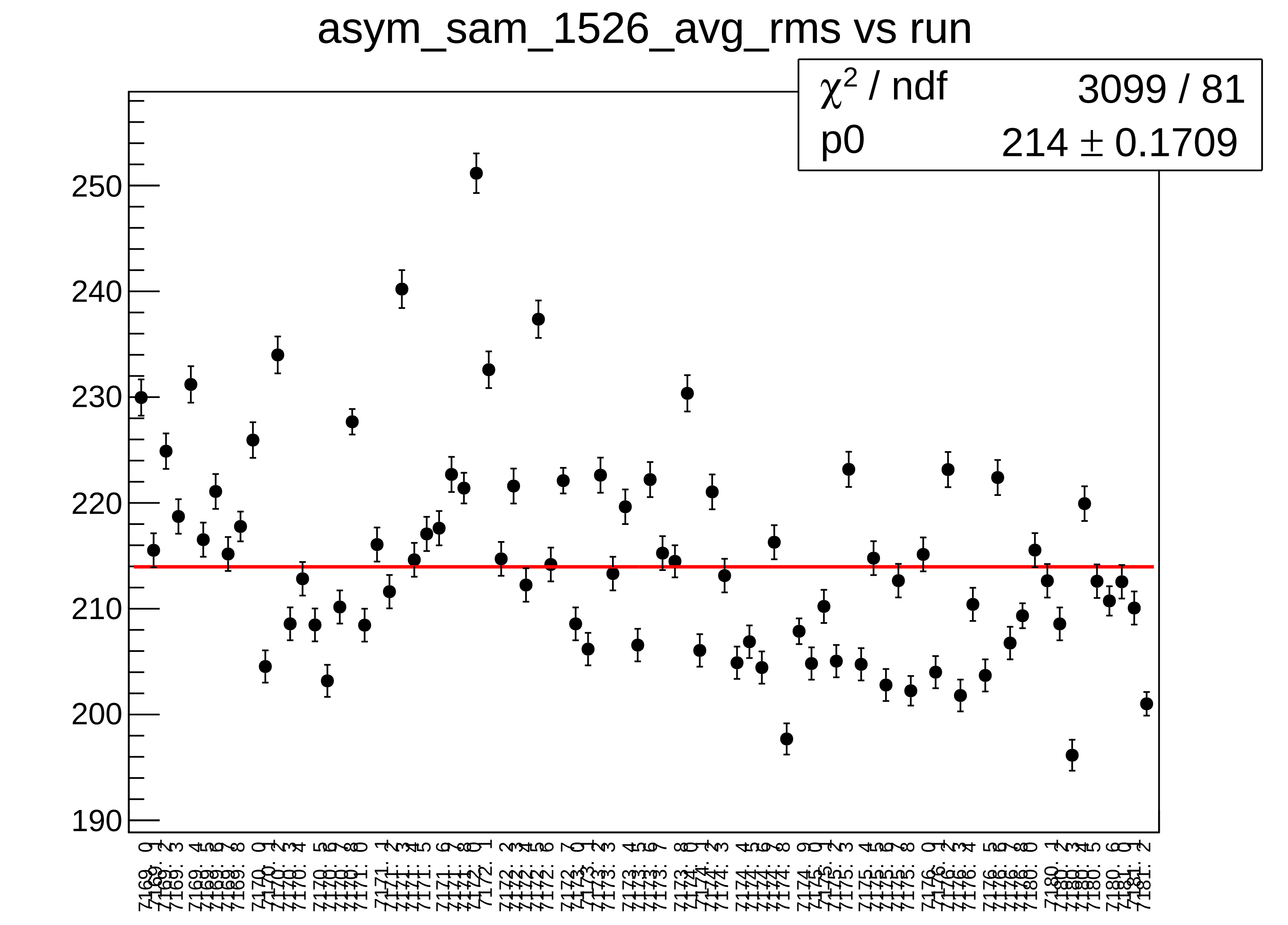


asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 90.86 / 81
p0 12.09 ± 234.4
pull
Entries 82
Mean 617.9
Std Dev 588.3
pull1D
Entries 82
Mean −0.007963
Std Dev 1.053

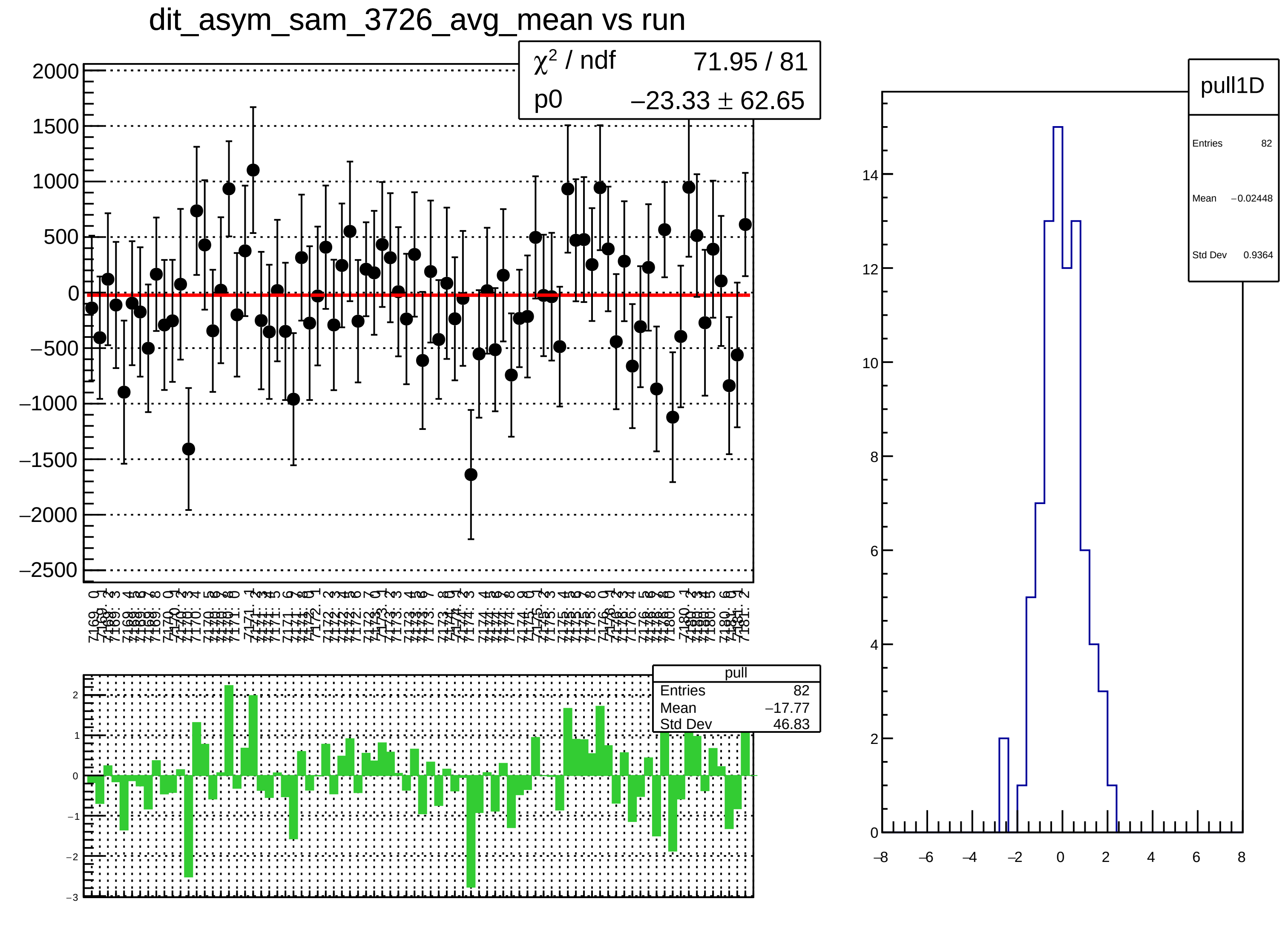

asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 2016 / 81
p0 207.5 ± 0.1657
230
220
210
200
190



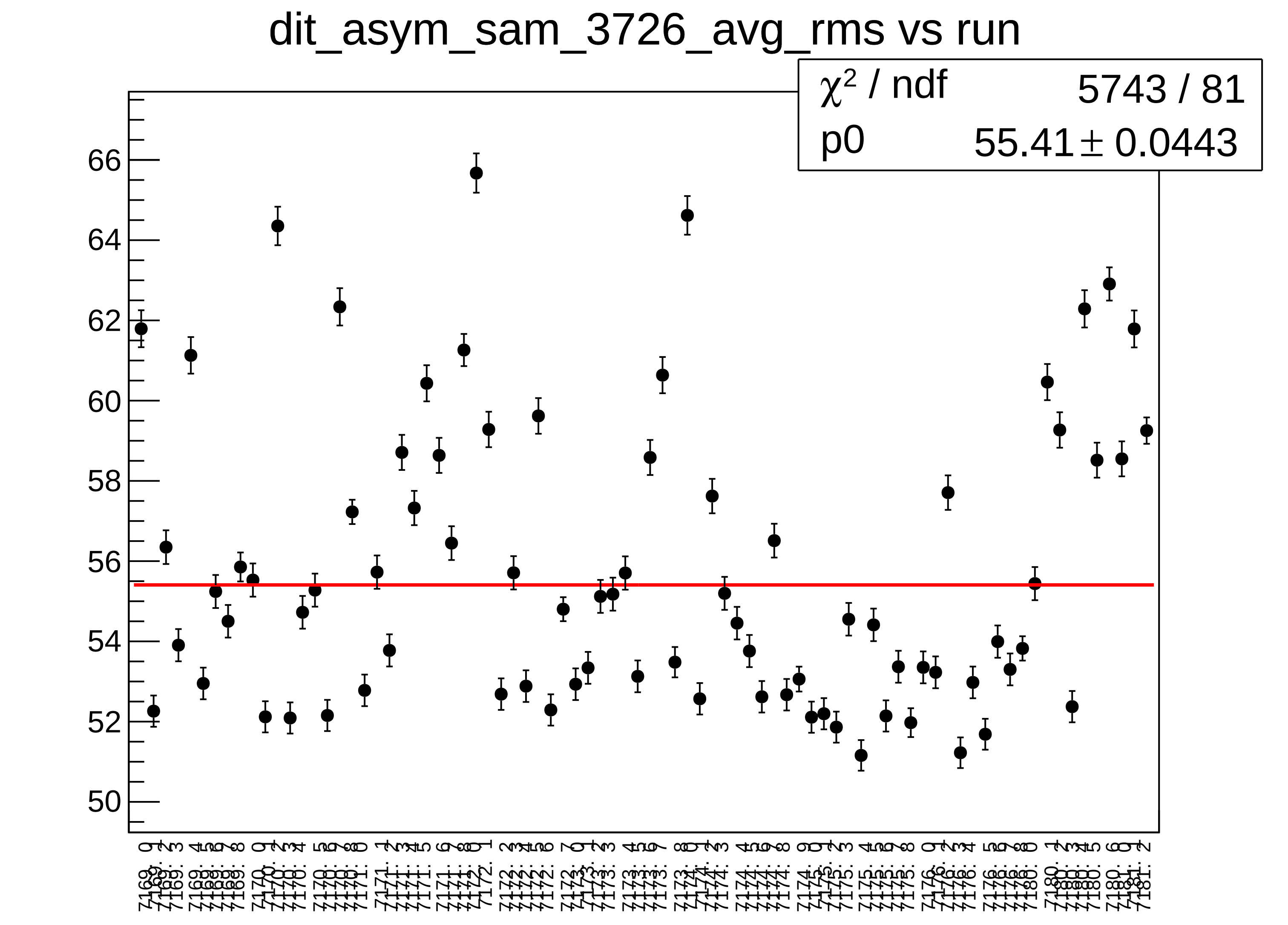
asym_sam_1526_avg_mean vs run
χ^2 / ndf 92.36 / 81
p0 −5.778 ± 241.7
pull
Entries 82
Mean 1900
Std Dev 1871
pull1D
Entries 82
Mean 0.002517
Std Dev 1.061

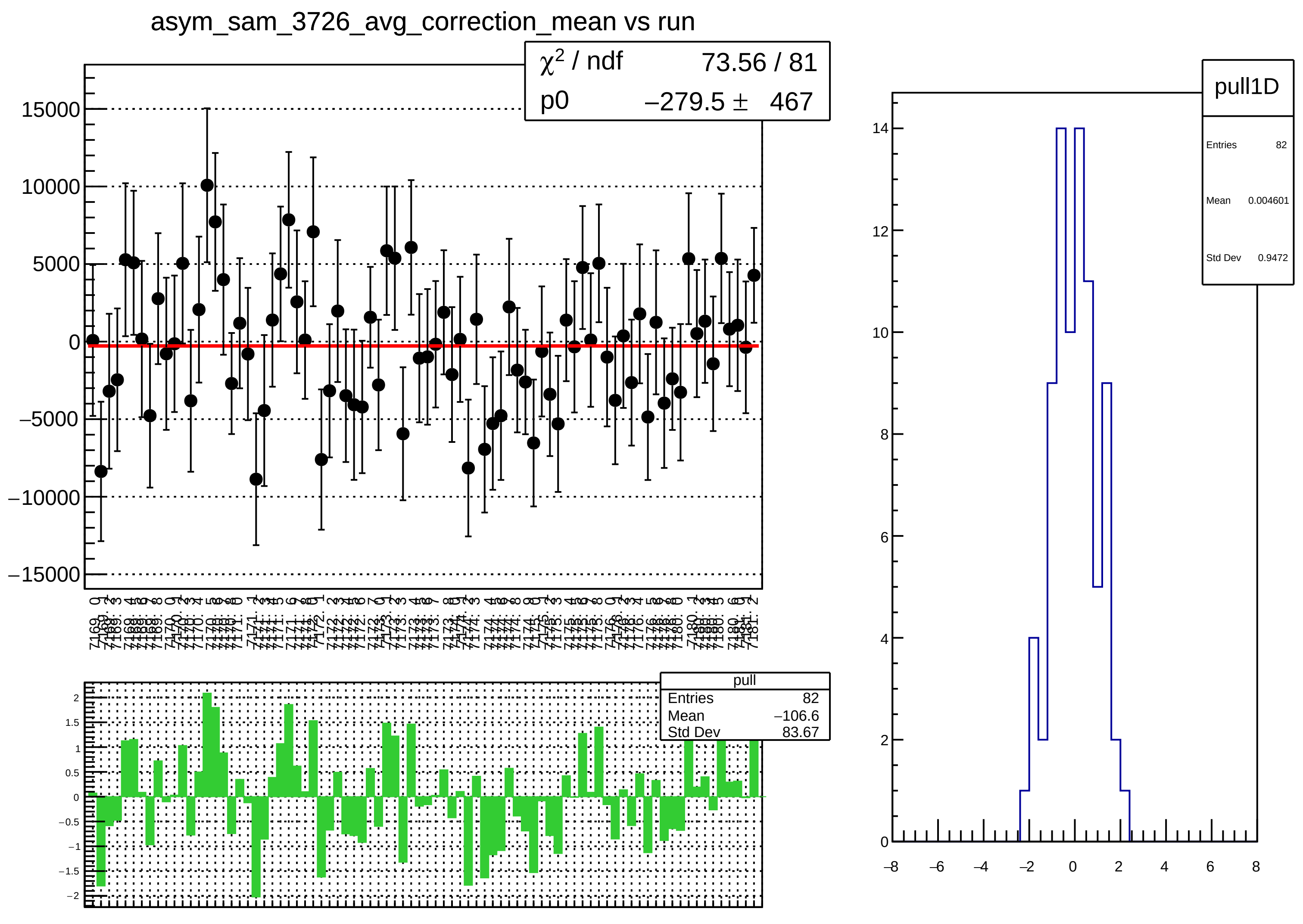


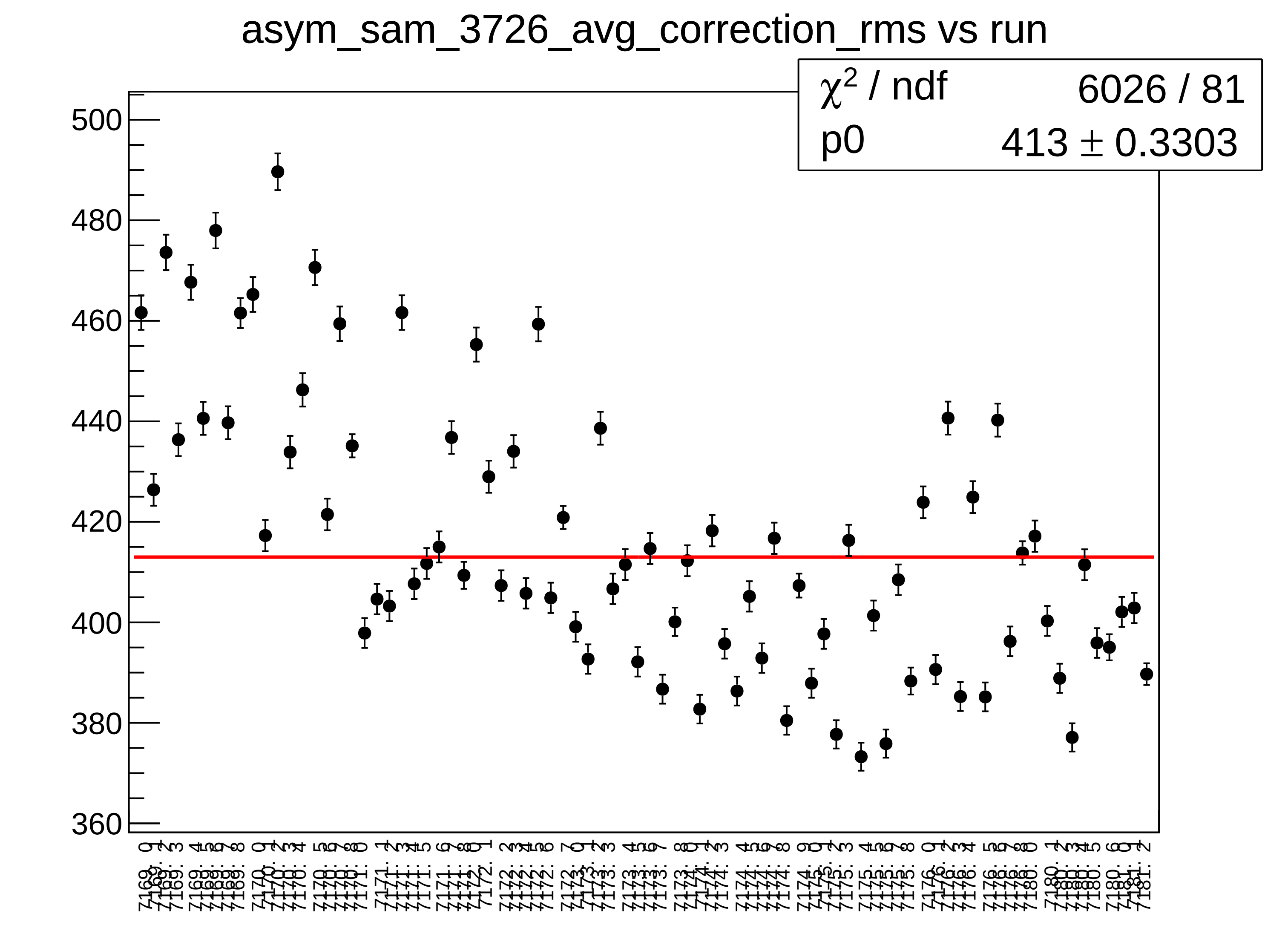
asym_sam_1526_avg_rms vs run
χ^2 / ndf 3099 / 81
p0 214 ± 0.1709
250
240
230
220
210
200
190



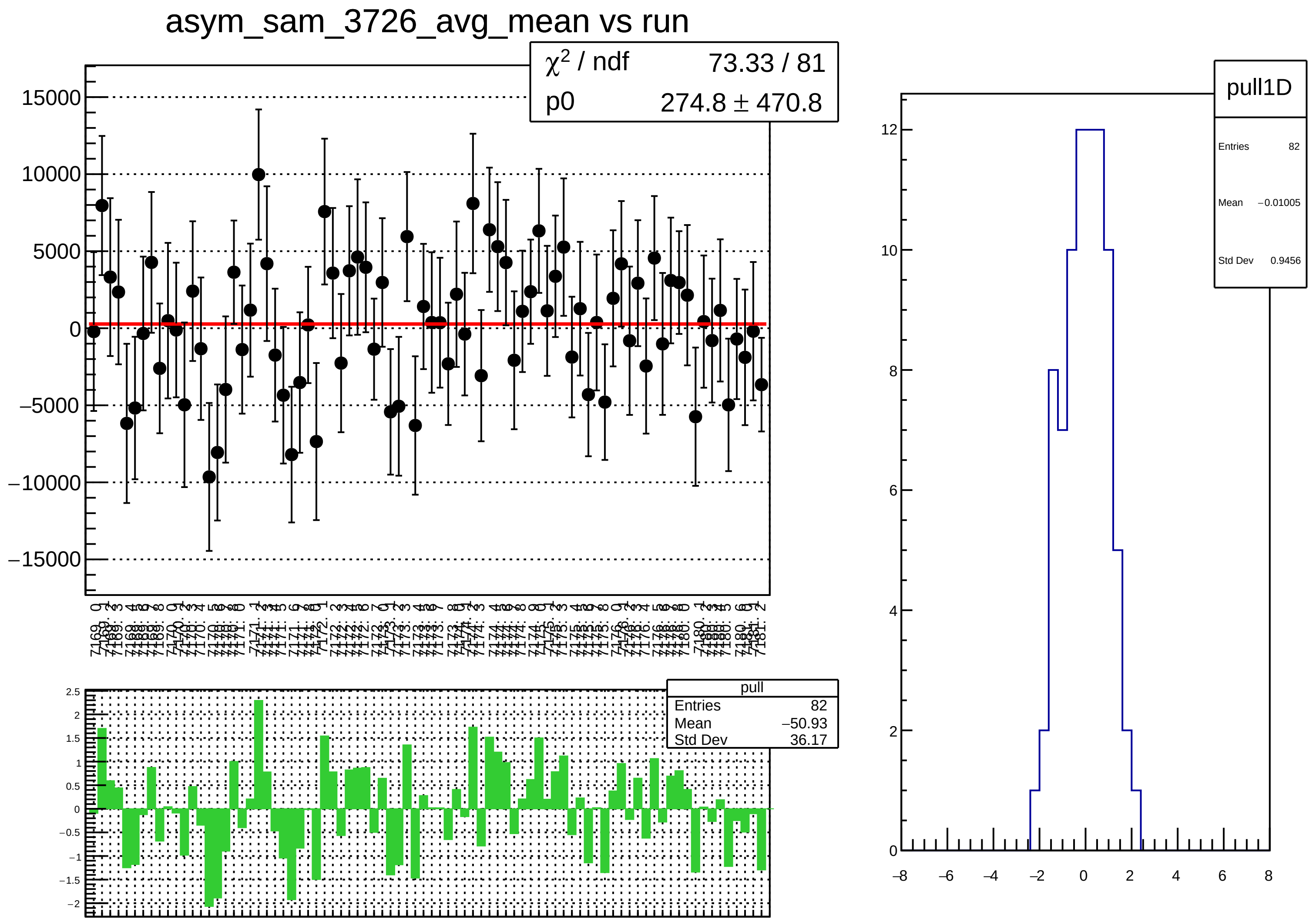
dit_asym_sam_3726_avg_mean vs run
χ2 / ndf 71.95 / 81
p0 −23.33 ± 62.65
pull
Entries 82
Mean −17.77
Std Dev 46.83
pull1D
Entries 82
Mean −0.02448
Std Dev 0.9364

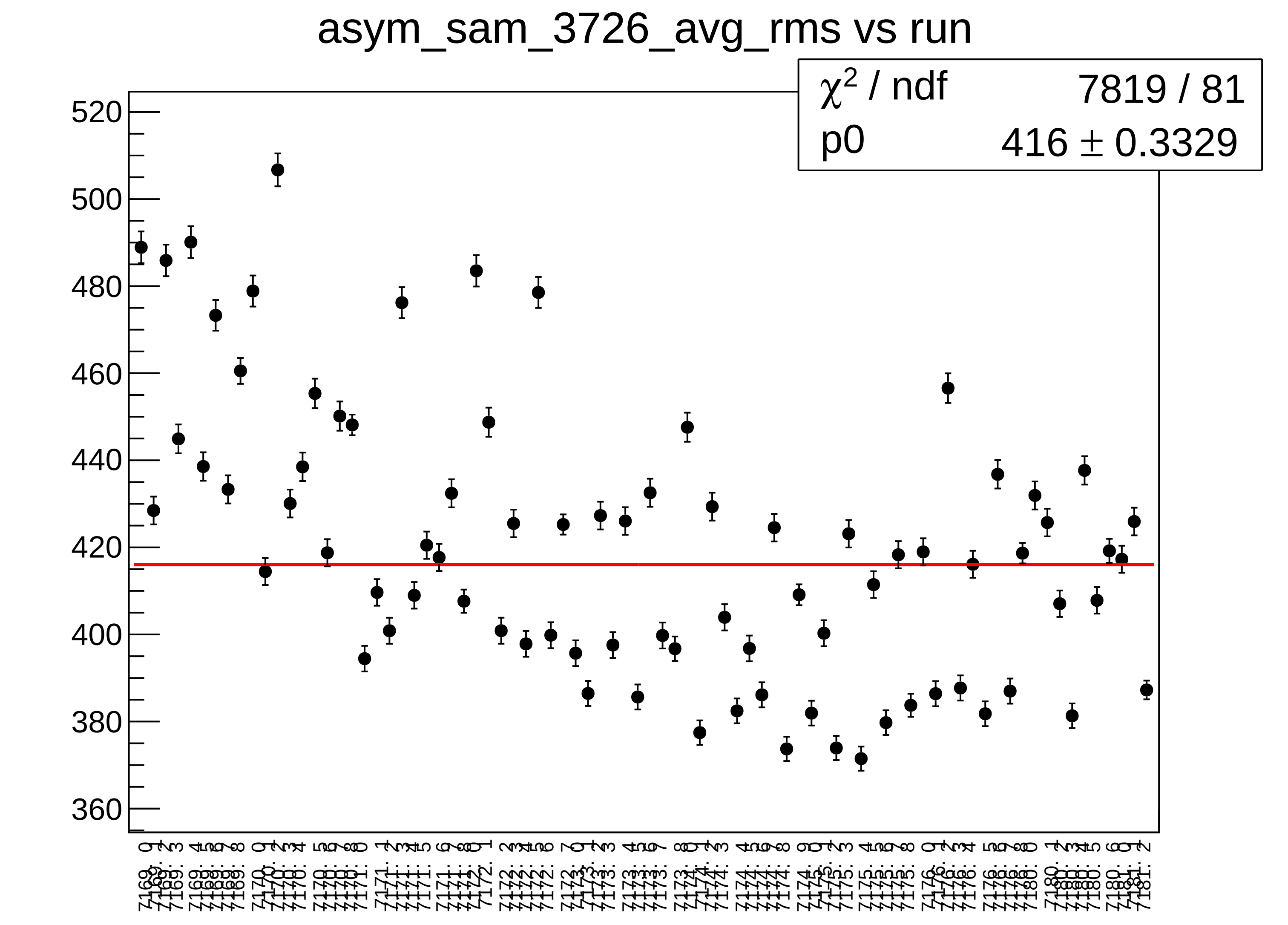

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 5743 / 81
p0 55.41 ± 0.0443
66
64
62
60
58
56
54
52
50

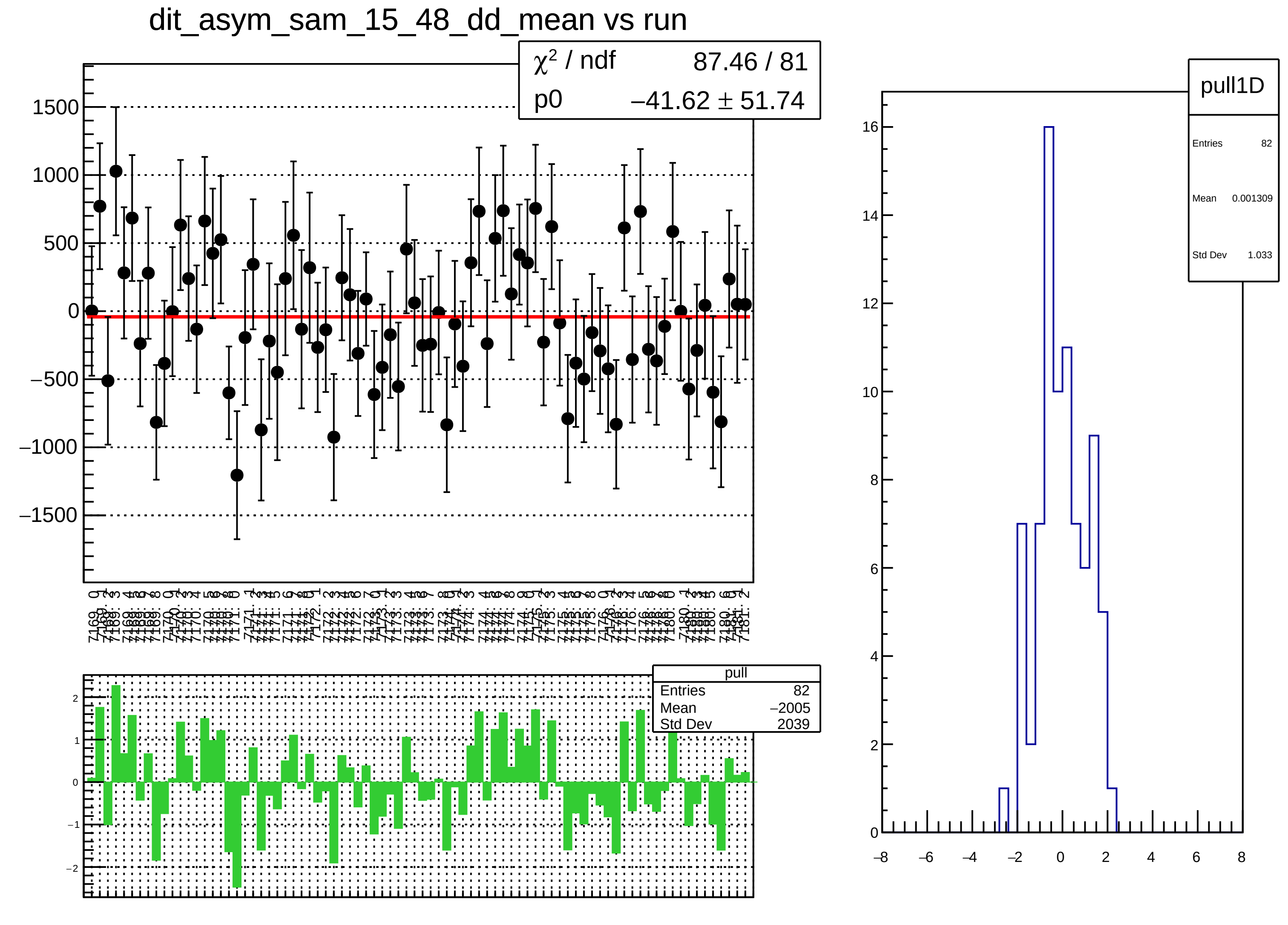

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 73.56 / 81
p0 −279.5 ± 467
pull
Entries 82
Mean −106.6
Std Dev 83.67
pull1D
Entries 82
Mean 0.004601
Std Dev 0.9472

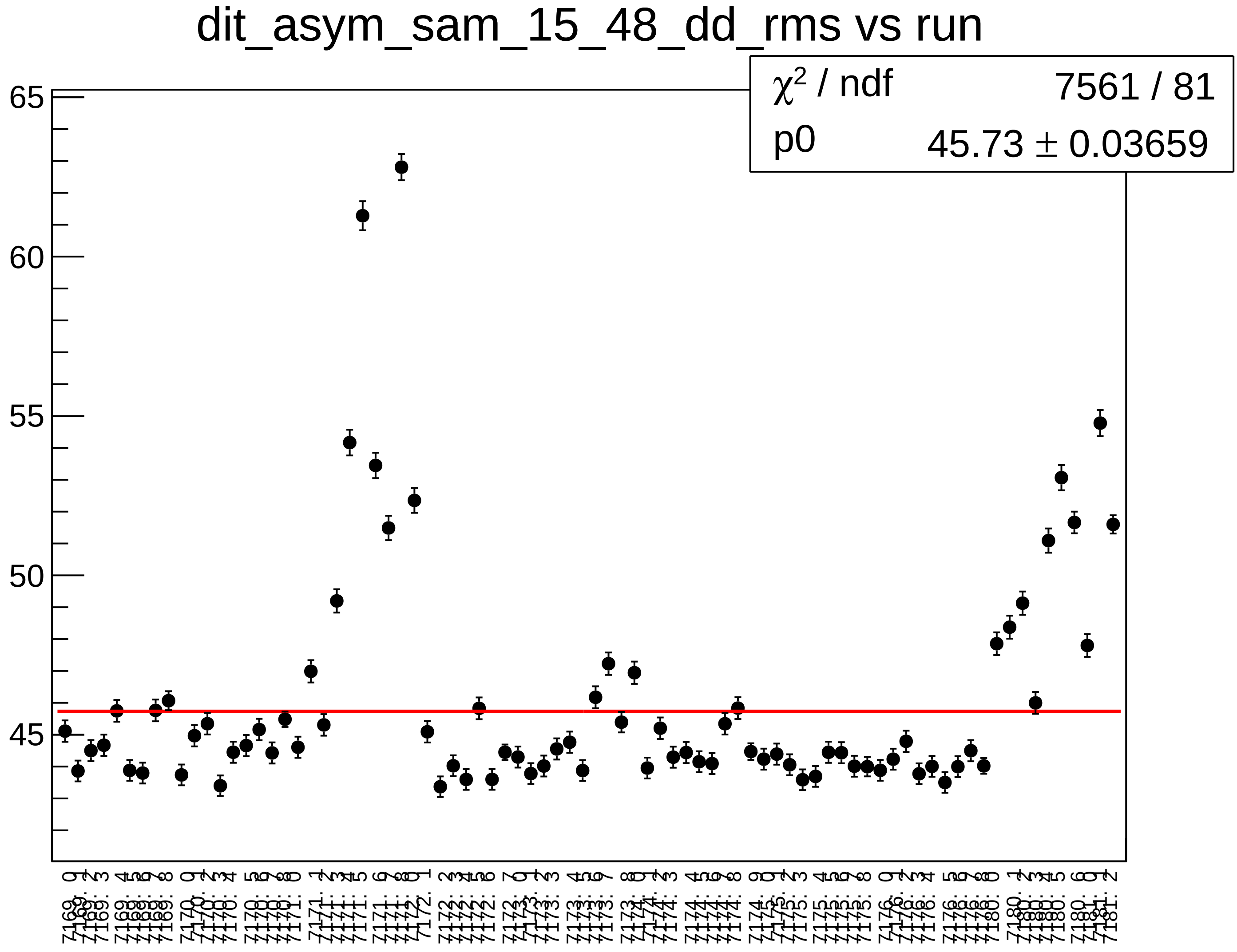


asym_sam_3726_avg_correction_rms vs run
χ2 / ndf 6026 / 81
p0 413 ± 0.3303
500
480
460
440
420
400
380
360

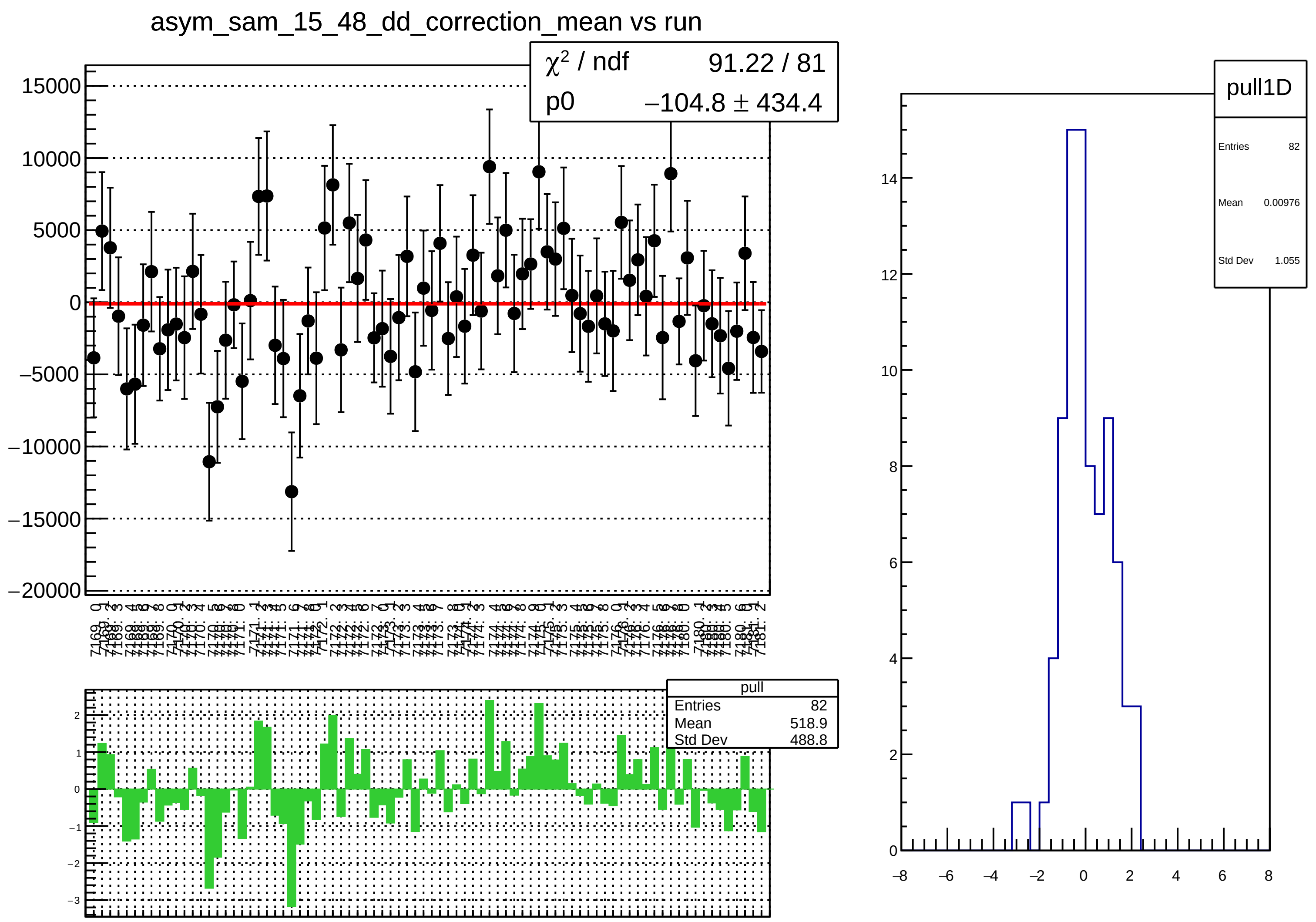

asym_sam_3726_avg_mean vs run
χ^2 / ndf 73.33 / 81
p0 274.8 ± 470.8
pull
Entries 82
Mean −50.93
Std Dev 36.17
pull1D
Entries 82
Mean −0.01005
Std Dev 0.9456


asym_sam_3726_avg_rms vs run
χ^2 / ndf 7819 / 81
p0 416 ± 0.3329
520
500
480
460
440
420
400
380
360

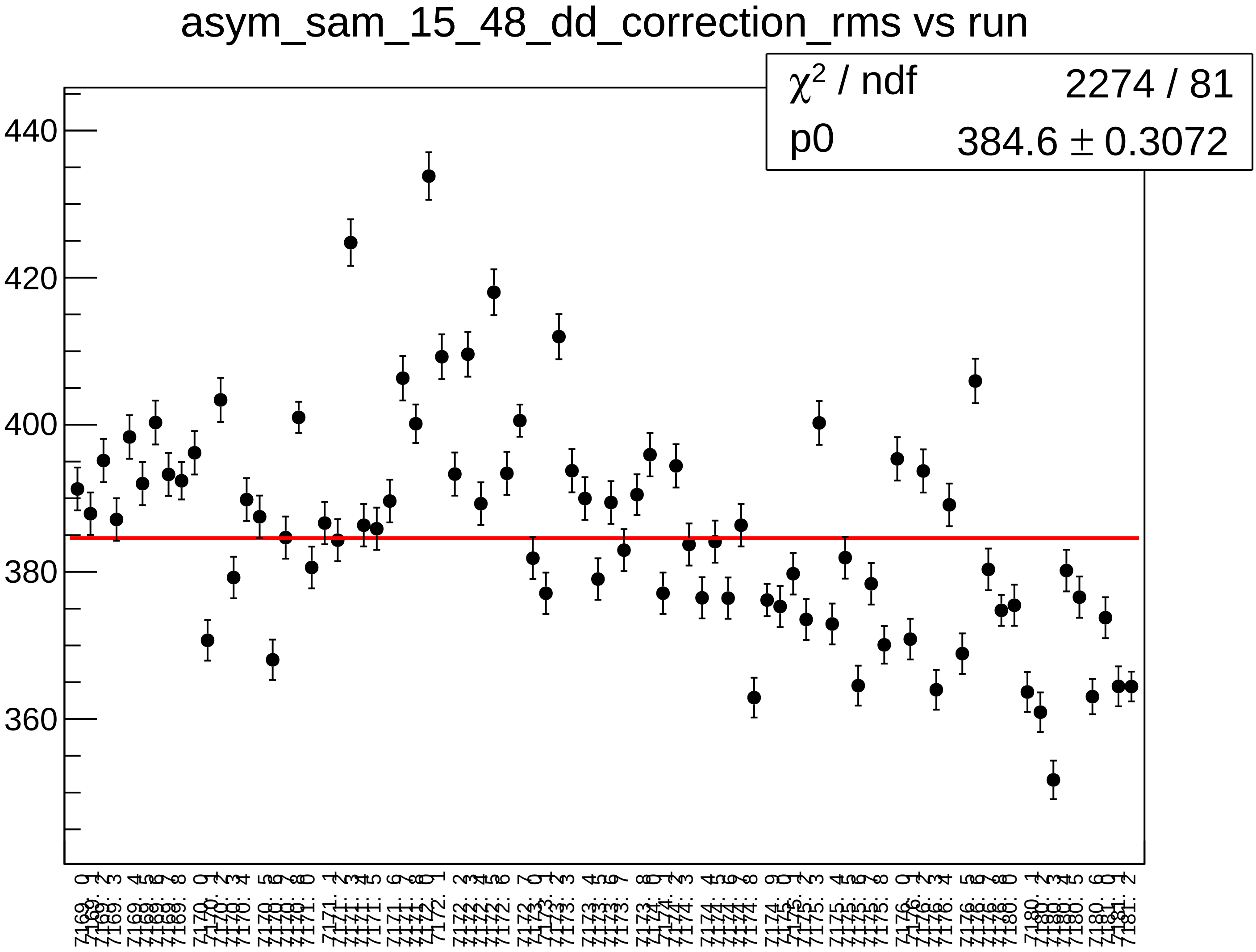

dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 87.46 / 81
p0 −41.62 ± 51.74
1500
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean −2005
Std Dev 2039
pull1D
Entries 82
Mean 0.001309
Std Dev 1.033



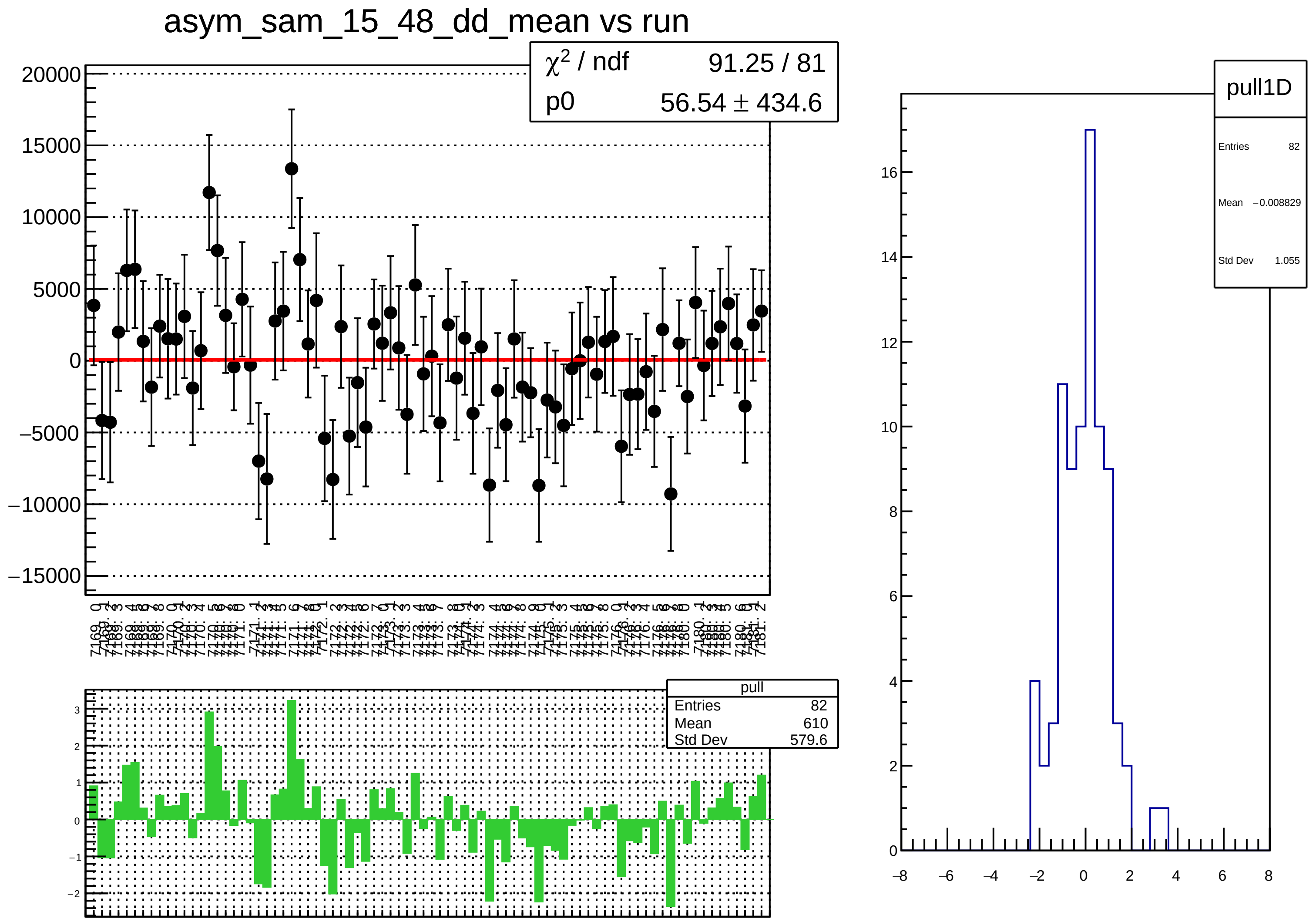
dit_asym_sam_15_48_dd_rms vs run
χ2 / ndf 7561 / 81
p0 45.73 ± 0.03659
65
60
55
50
45



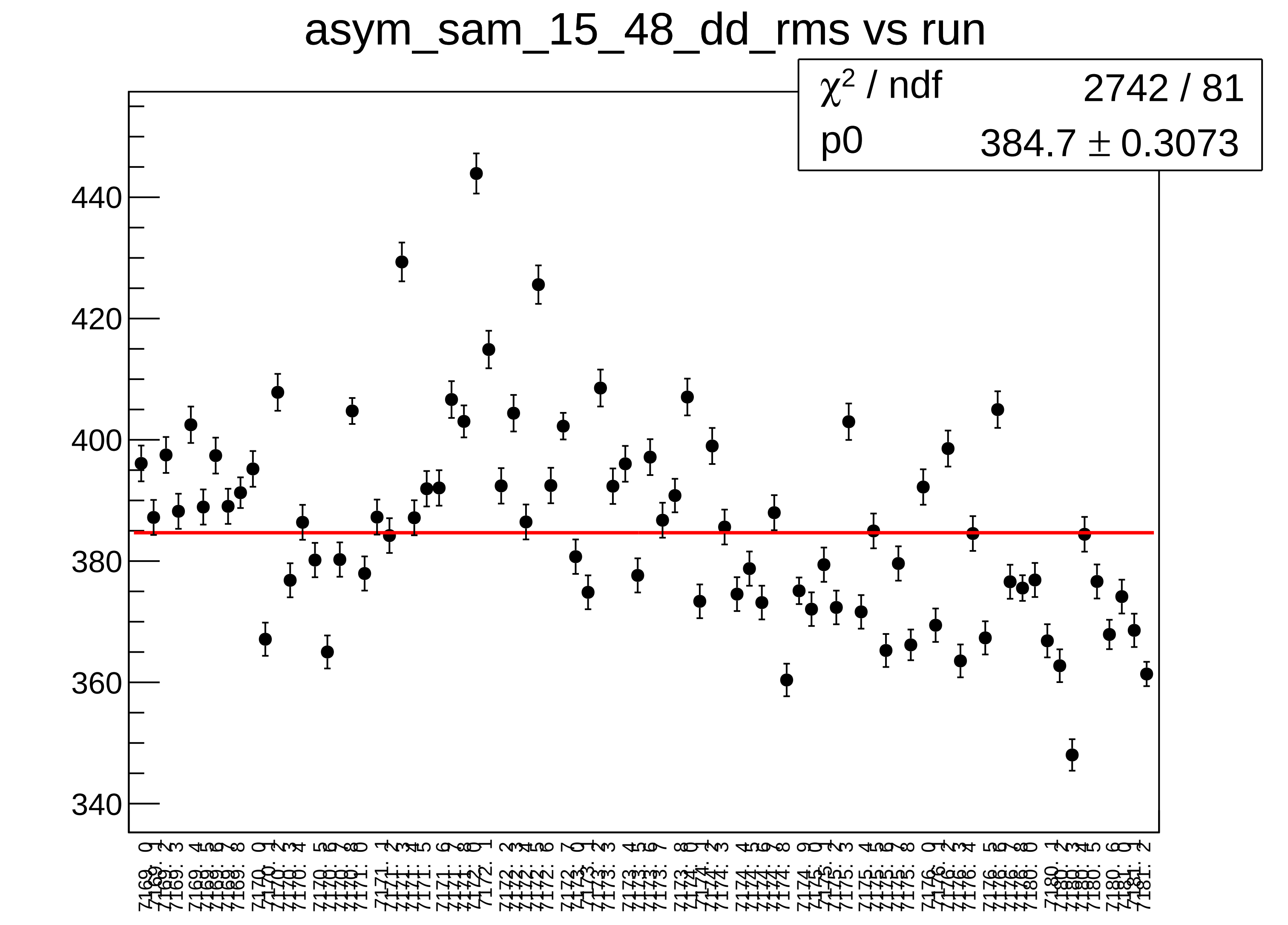
asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 91.22 / 81
p0 −104.8 ± 434.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean 518.9
Std Dev 488.8
pull1D
Entries 82
Mean 0.00976
Std Dev 1.055



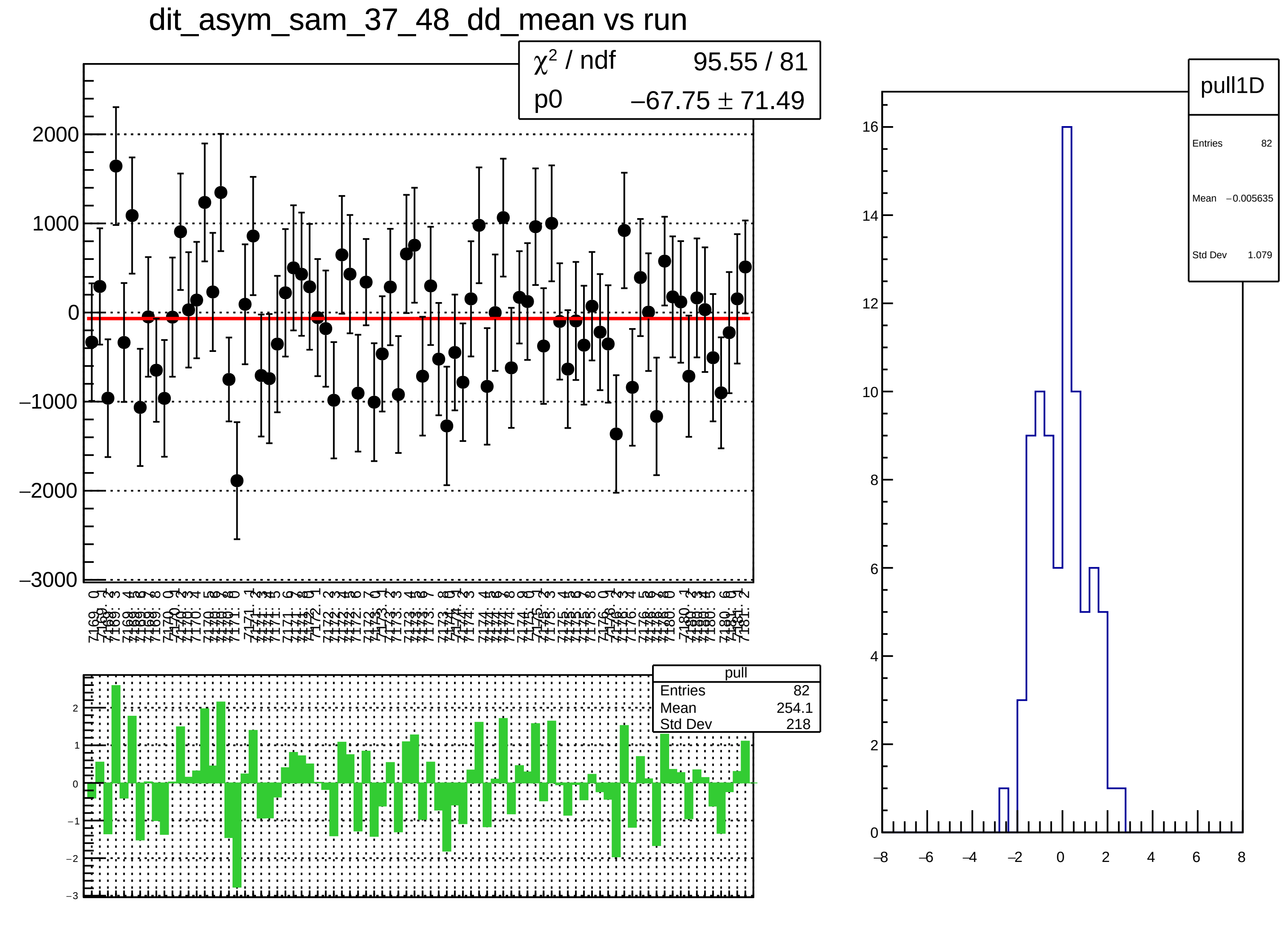
asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 2274 / 81
p0 384.6 ± 0.3072
440
420
400
380
360



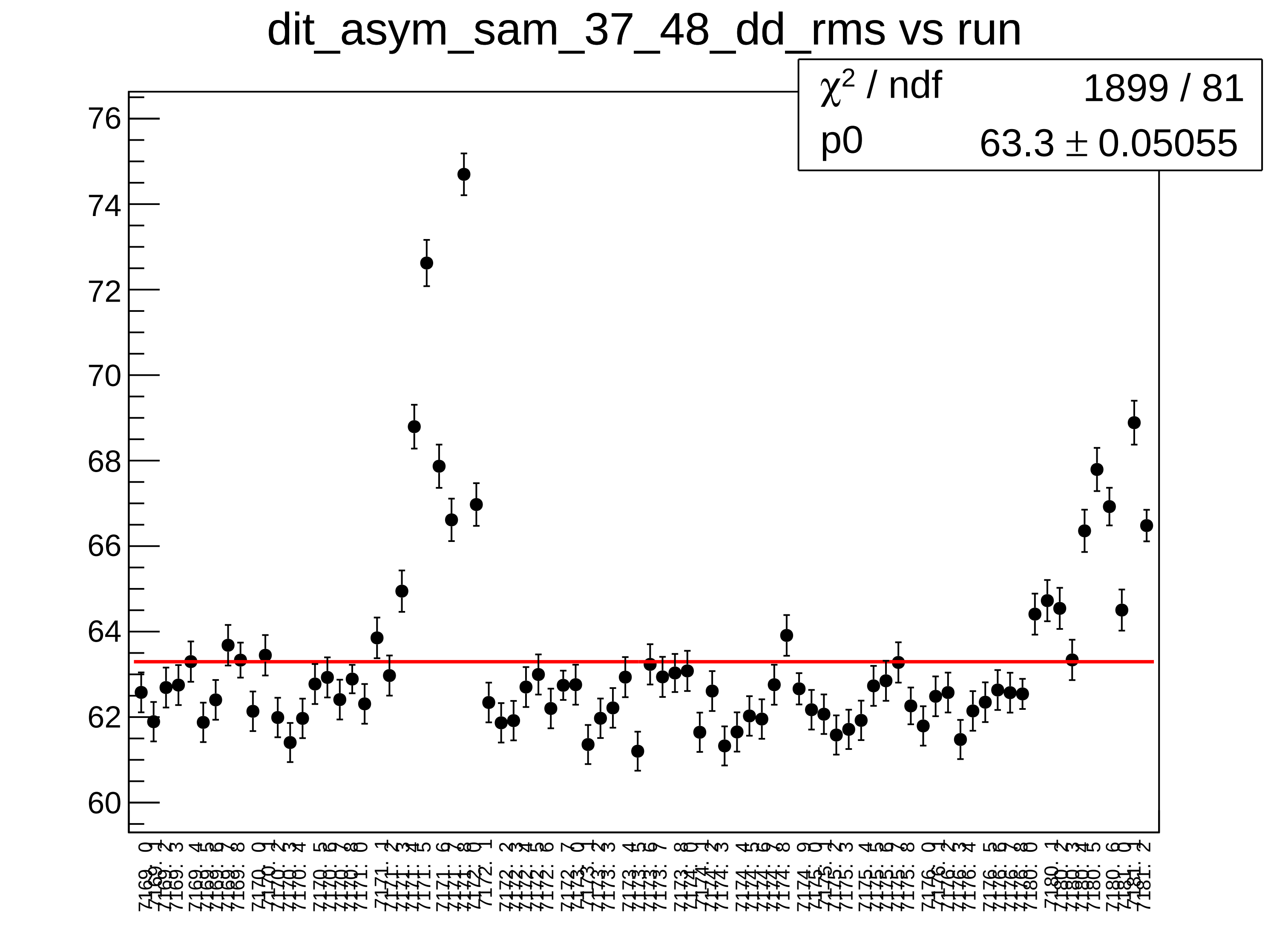
asym_sam_15_48_dd_mean vs run
χ2 / ndf 91.25 / 81
p0 56.54 ± 434.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 610
Std Dev 579.6
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.008829
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



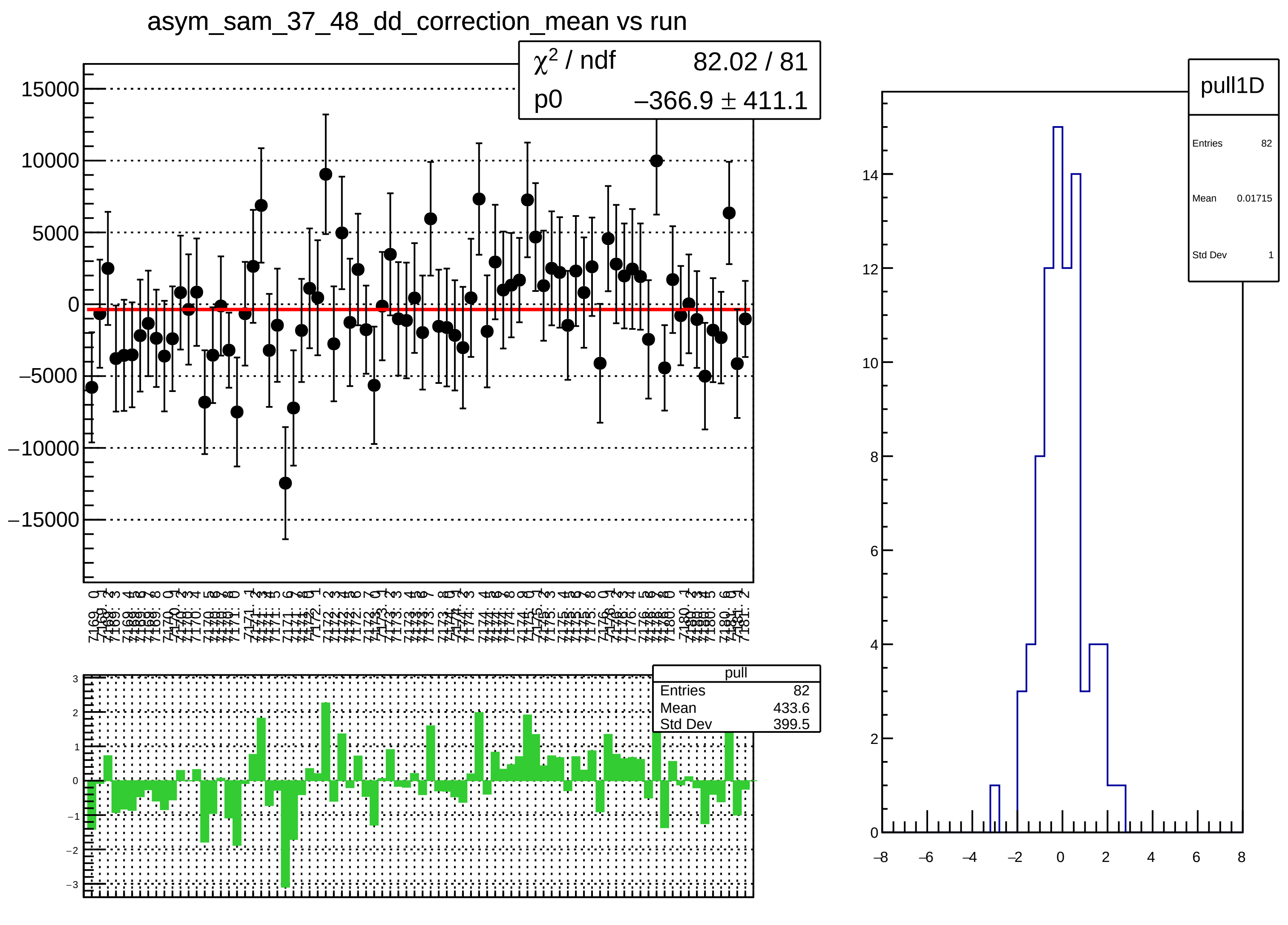
asym_sam_15_48_dd_rms vs run
χ2 / ndf 2742 / 81
p0 384.7 ± 0.3073
440
420
400
380
360
340



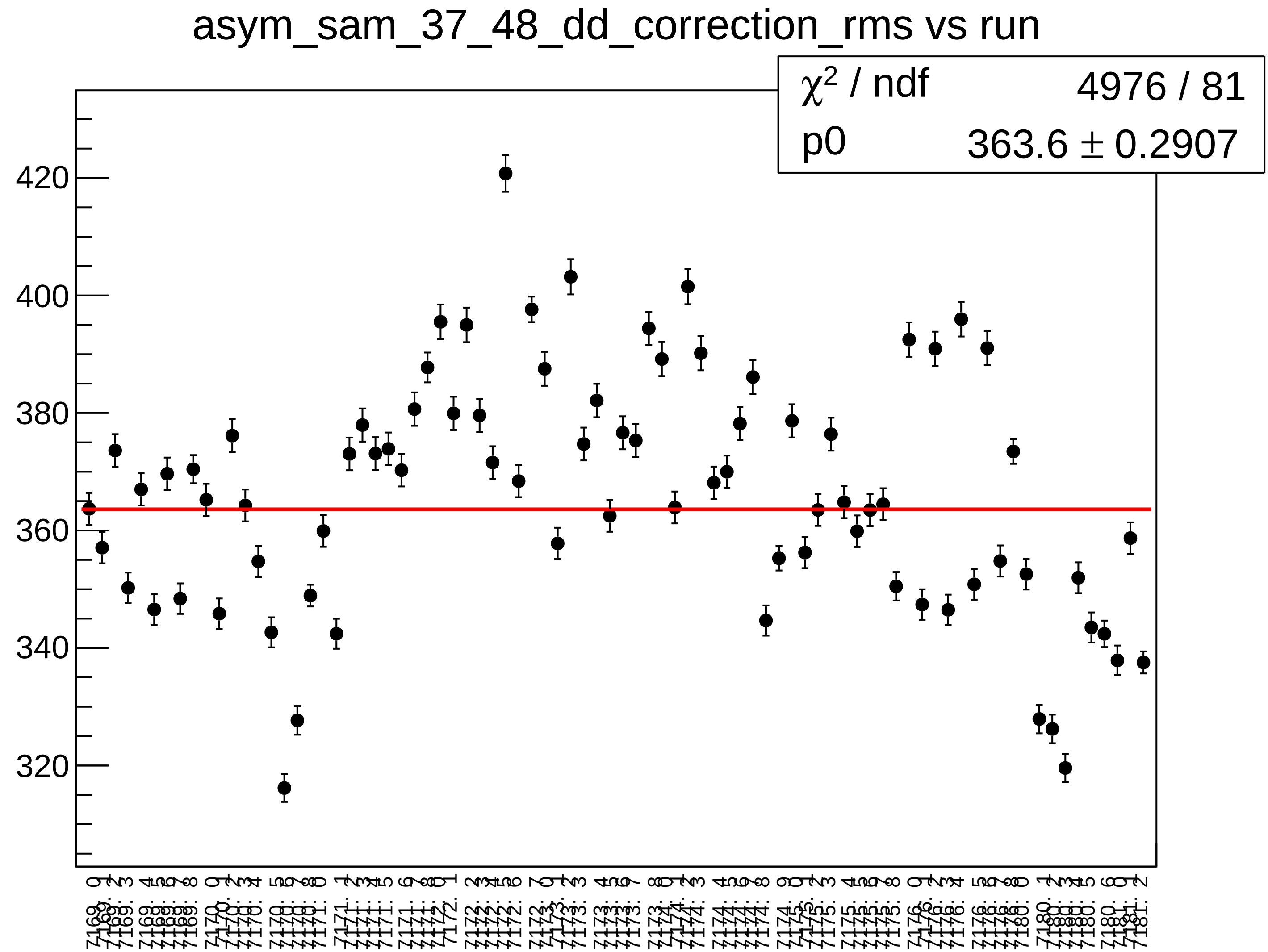
dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 95.55 / 81
p0 −67.75 ± 71.49
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 254.1
Std Dev 218
pull1D
Entries 82
Mean −0.005635
Std Dev 1.079



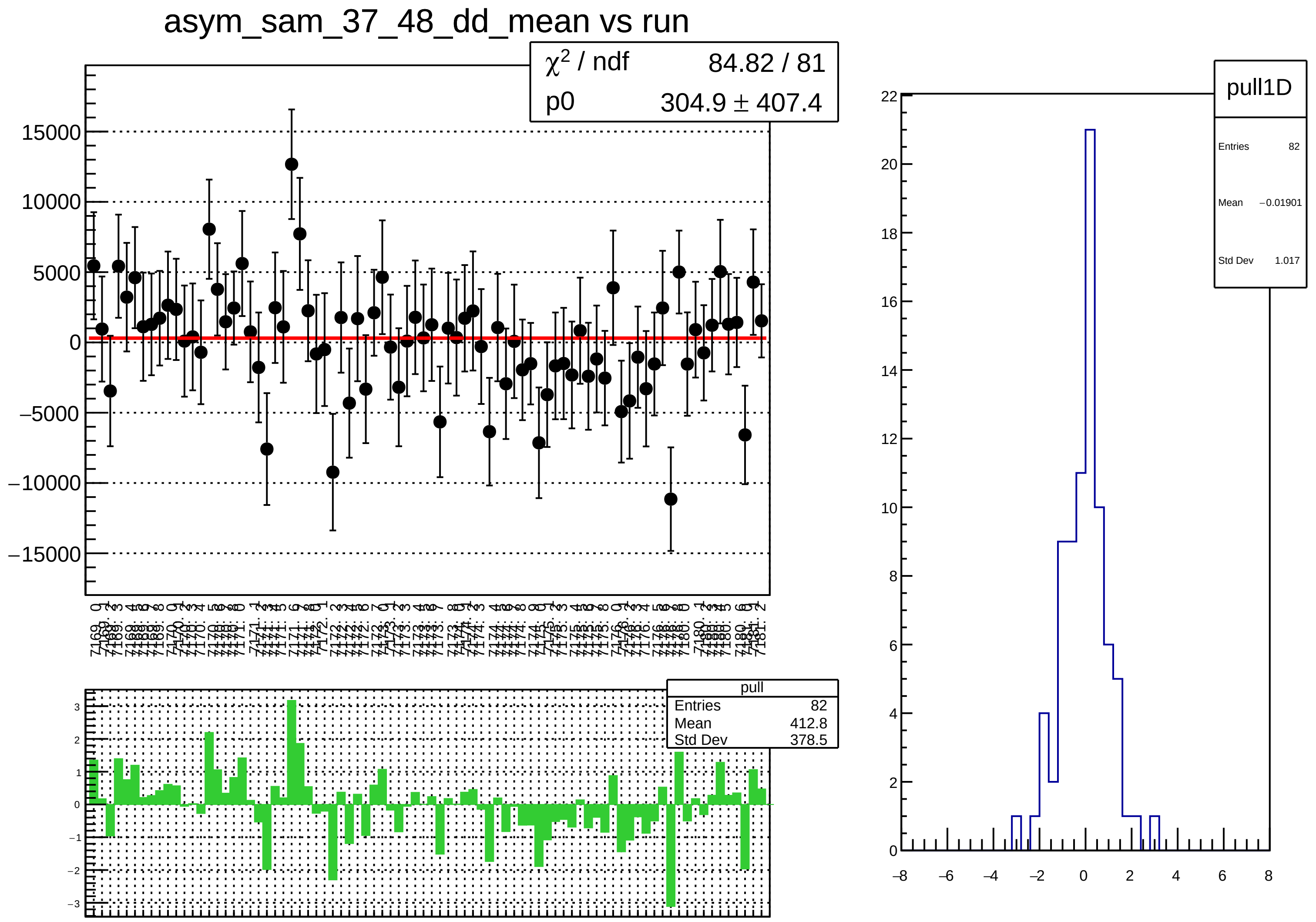
dit_asym_sam_37_48_dd_rms vs run
χ2 / ndf 1899 / 81
p0 63.3 ± 0.05055
76
74
72
70
68
66
64
62
60

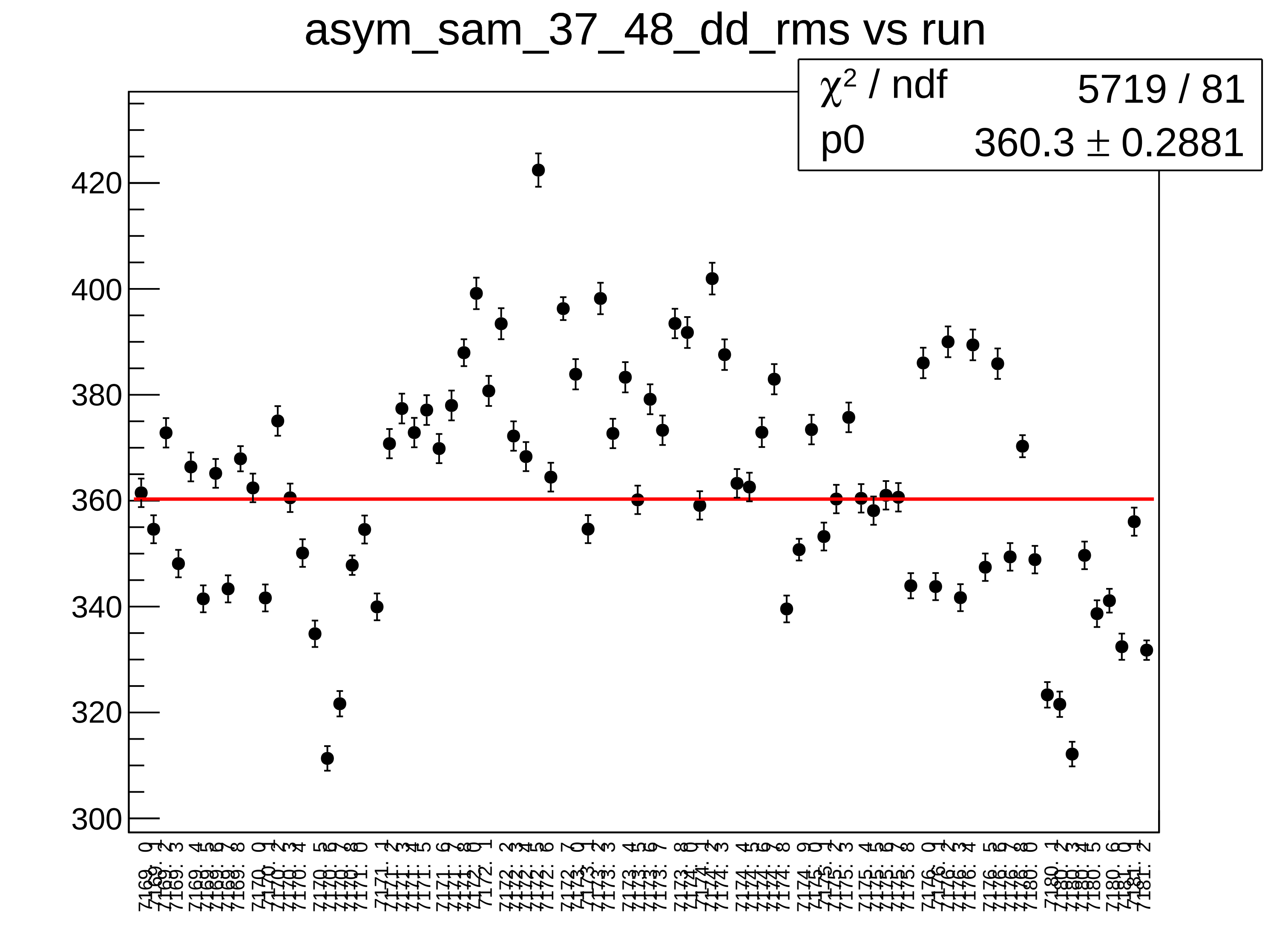


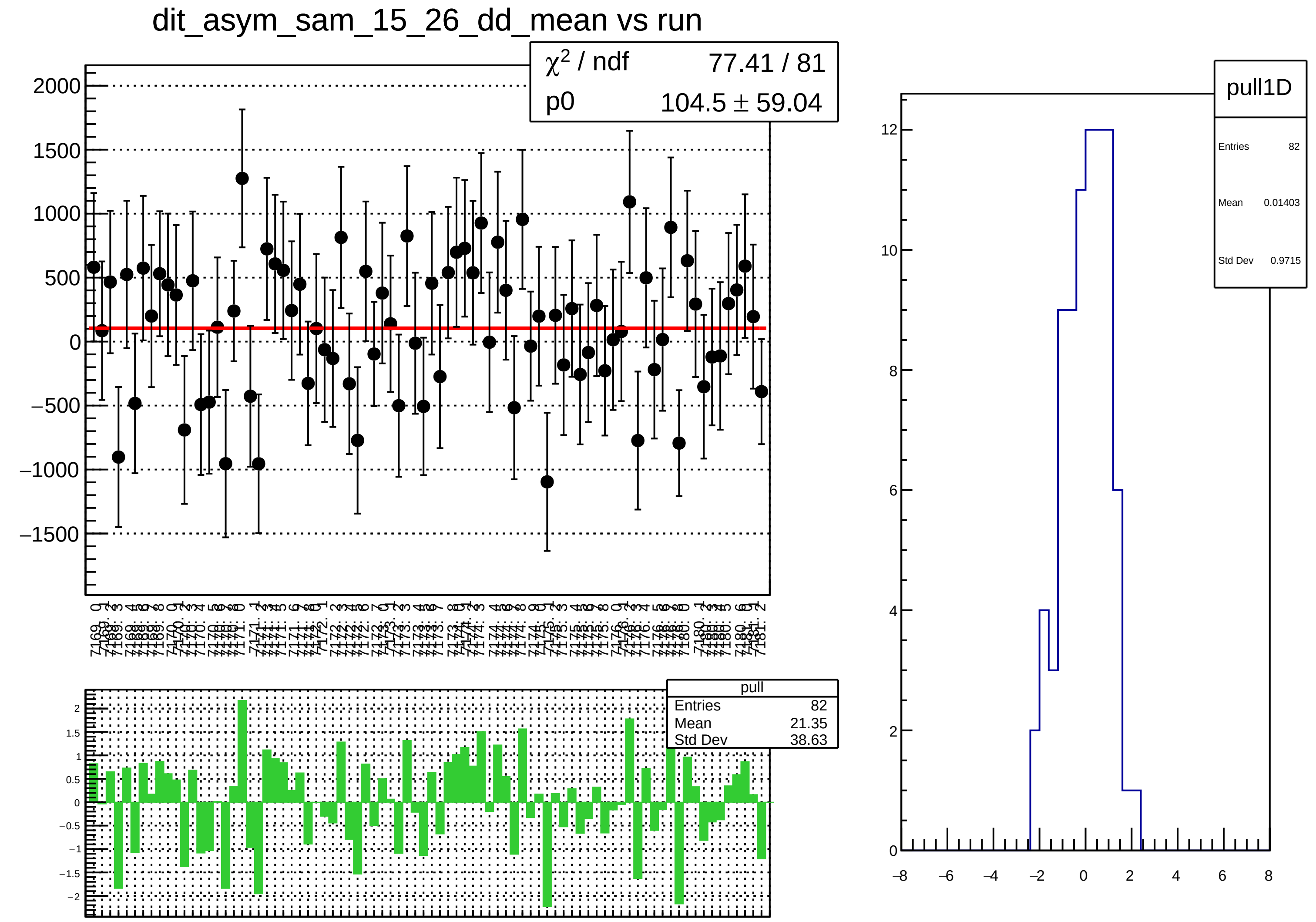
asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 82.02 / 81
p0 −366.9 ± 411.1
pull
Entries 82
Mean 433.6
Std Dev 399.5
pull1D
Entries 82
Mean 0.01715
Std Dev 1



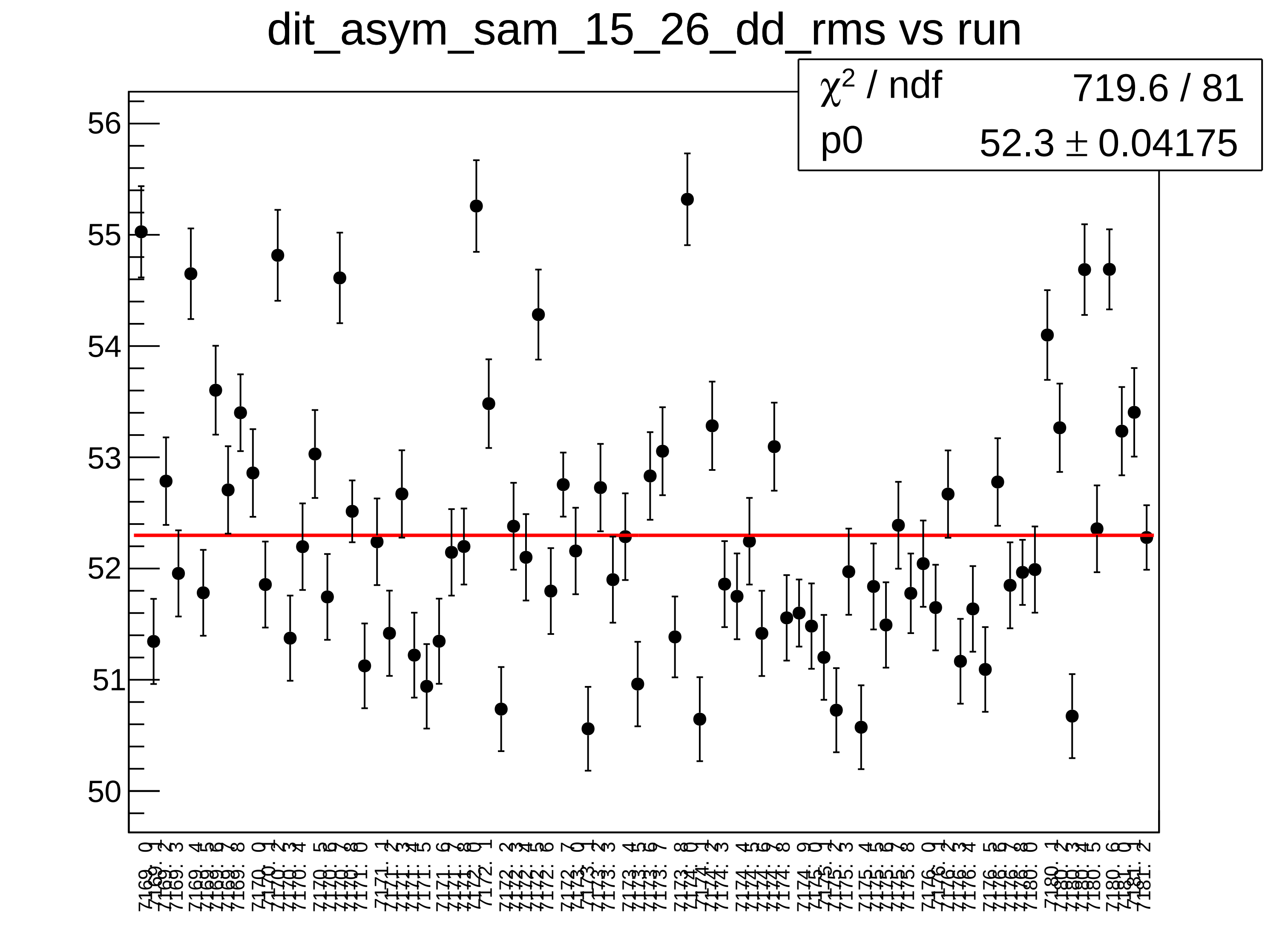
asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 4976 / 81
p0 363.6 ± 0.2907
420
400
380
360
340
320

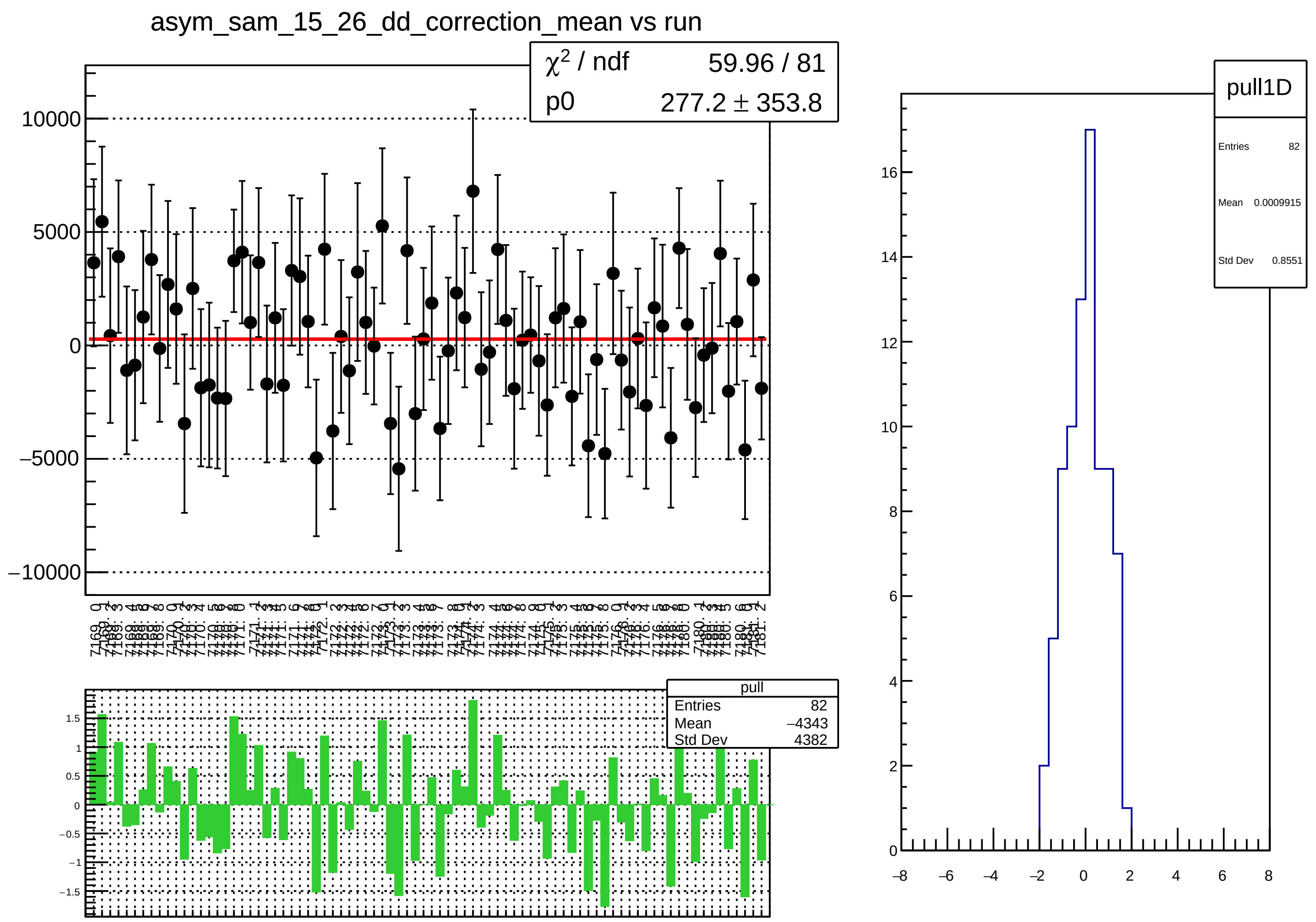

asym_sam_37_48_dd_mean vs run
χ2 / ndf 84.82 / 81
p0 304.9 ± 407.4
pull
Entries 82
Mean 412.8
Std Dev 378.5
pull1D
Entries 82
Mean −0.01901
Std Dev 1.017


asym_sam_37_48_dd_rms vs run
χ2 / ndf 5719 / 81
p0 360.3 ± 0.2881
420
400
380
360
340
320
300

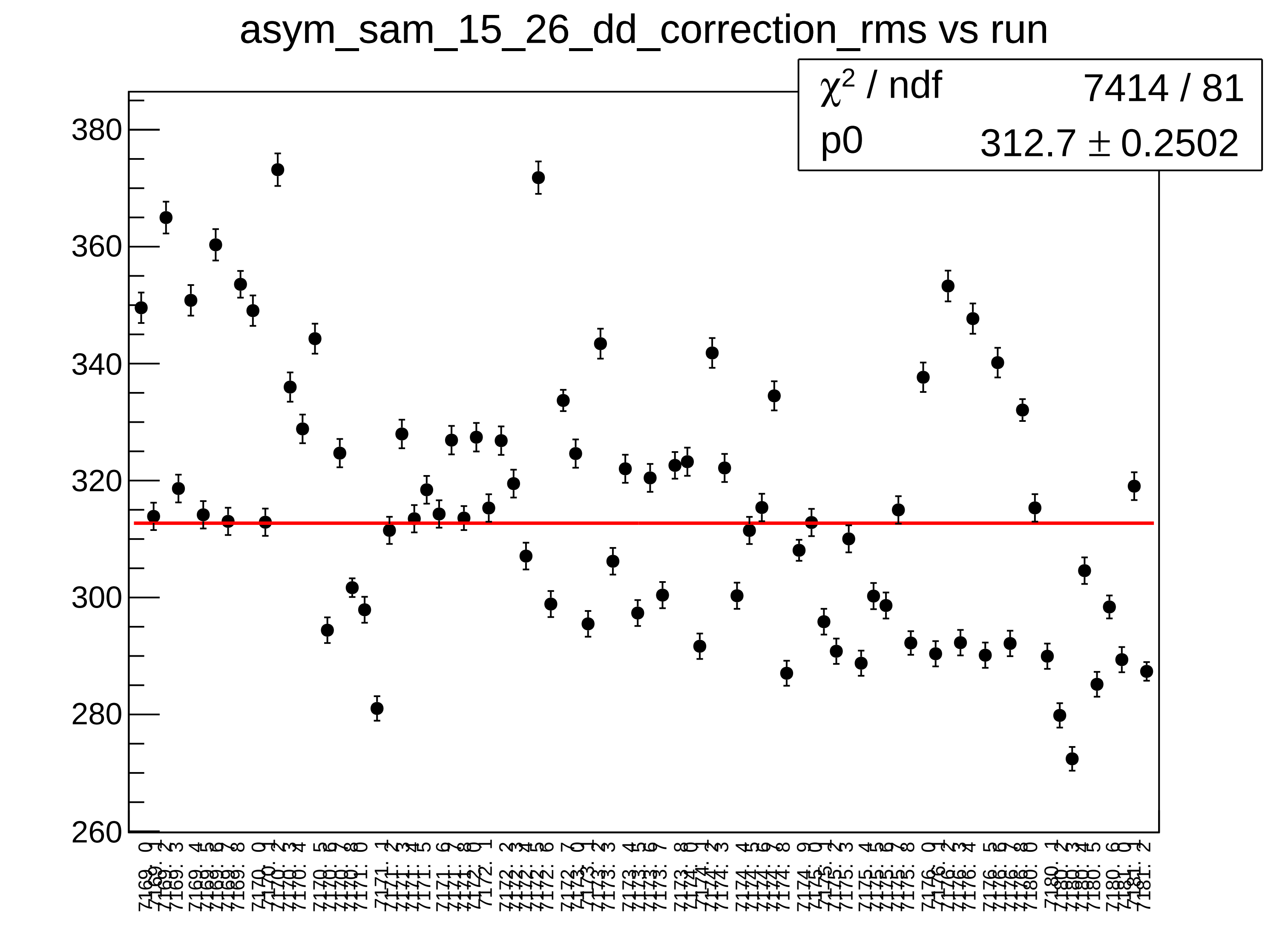


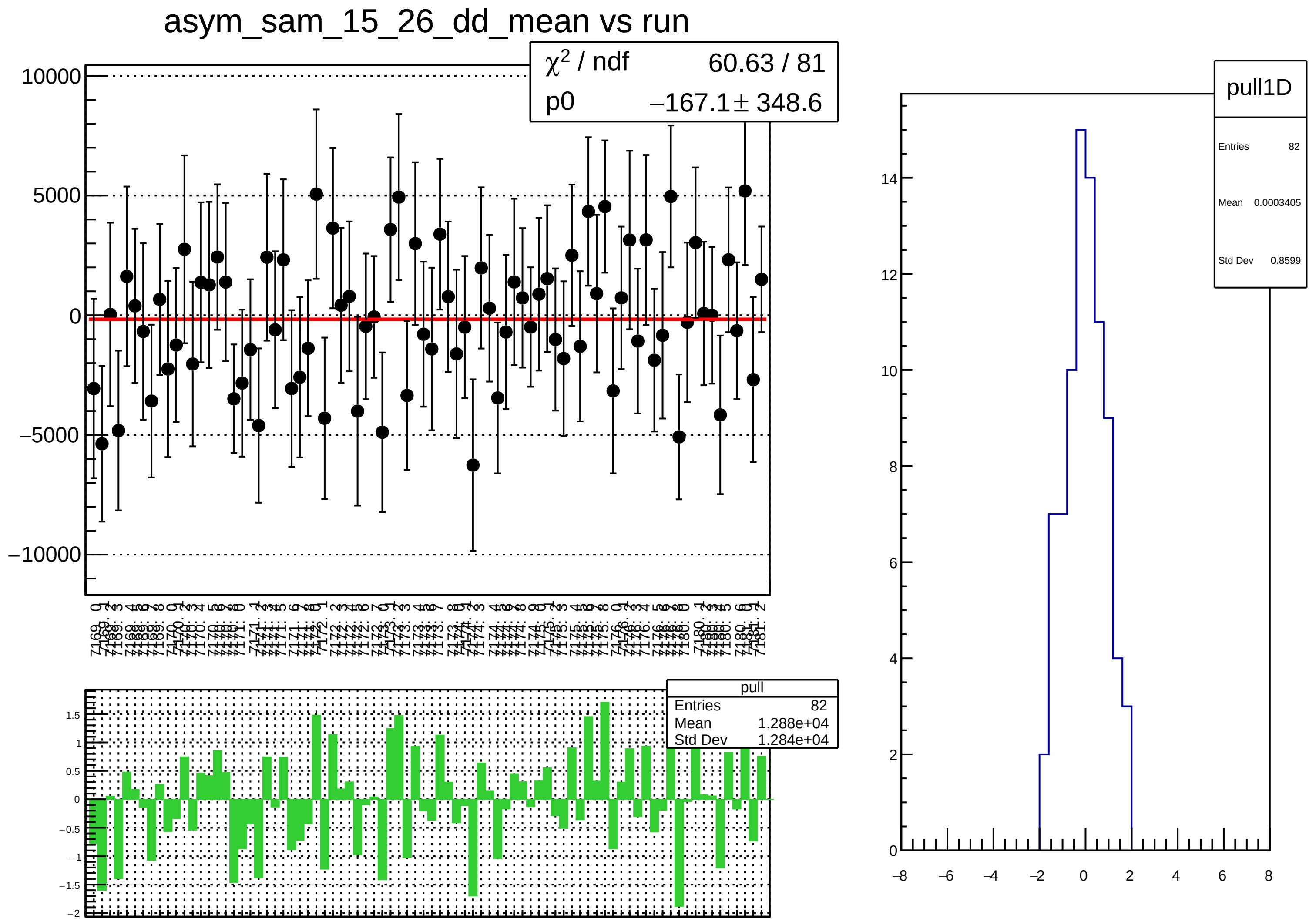
dit_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 77.41 / 81
p0 104.5 ± 59.04
pull
Entries 82
Mean 21.35
Std Dev 38.63
pull1D
Entries 82
Mean 0.01403
Std Dev 0.9715


dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 719.6 / 81
p0 52.3 ± 0.04175
56
55
54
53
52
51
50

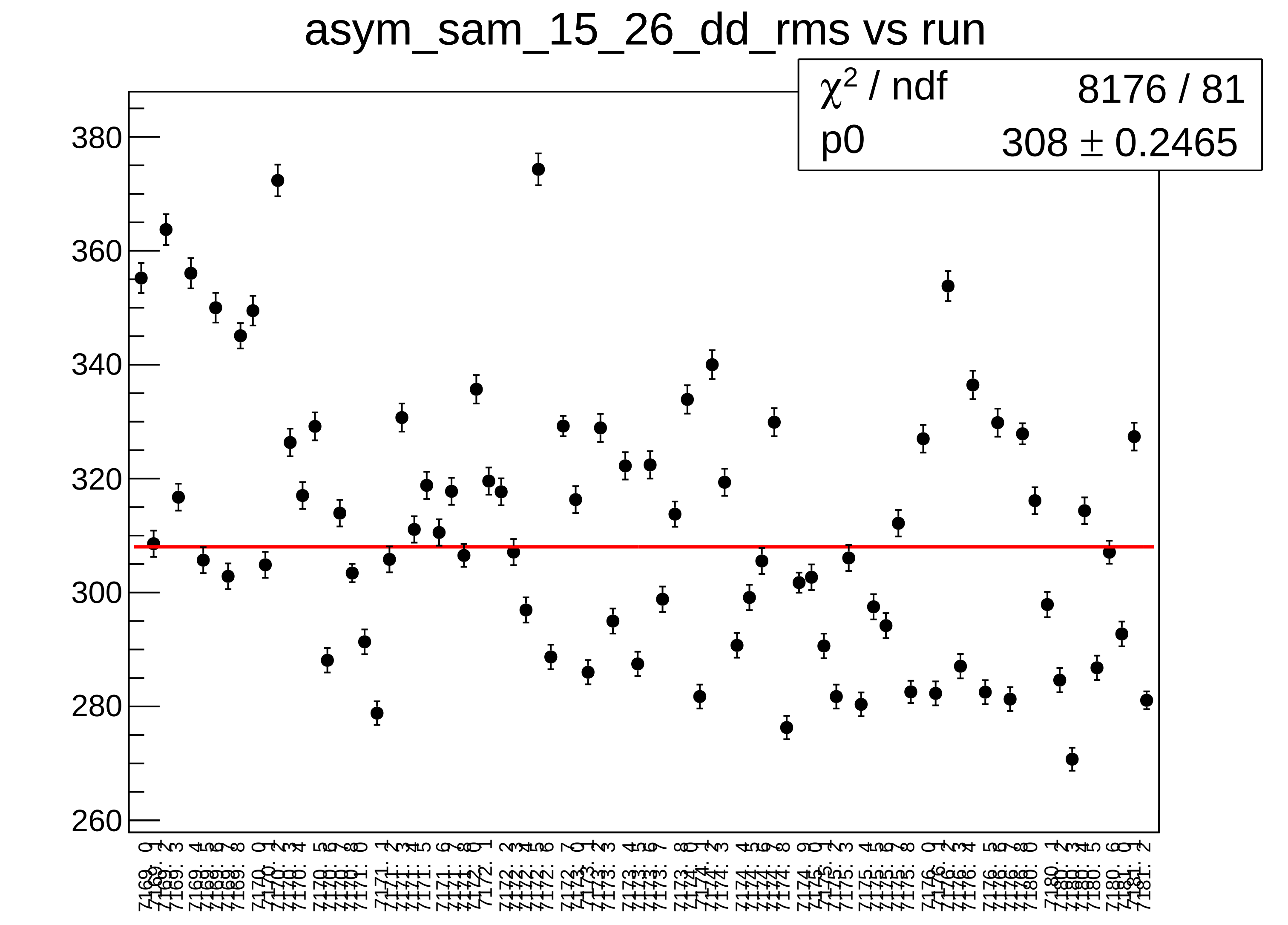


asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 59.96 / 81
p0 277.2 ± 353.8
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −4343
Std Dev 4382
pull1D
Entries 82
Mean 0.0009915
Std Dev 0.8551

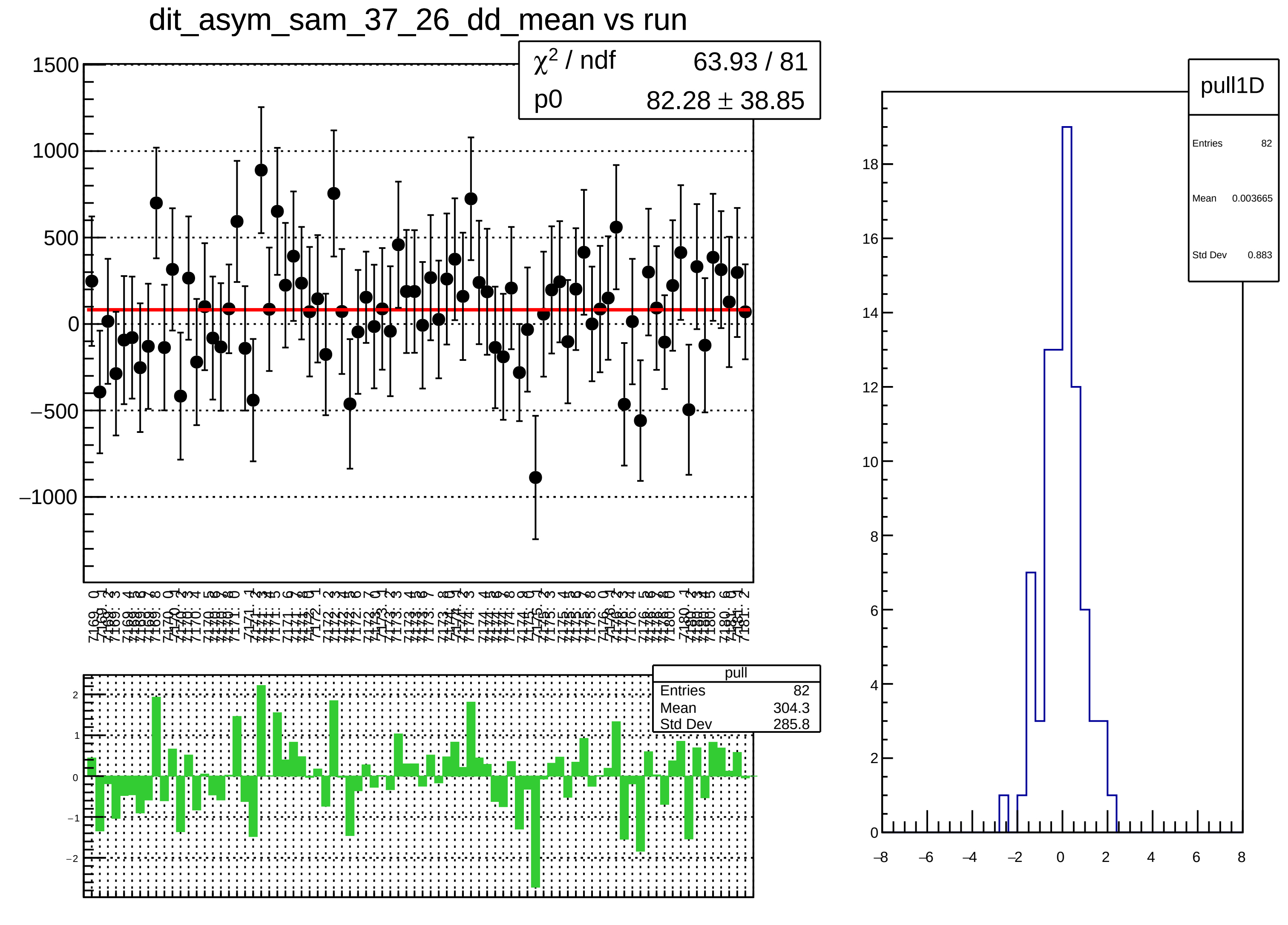

asym_sam_15_26_dd_correction_rms vs run
χ2 / ndf 7414 / 81
p0 312.7 ± 0.2502
380
360
340
320
300
280
260



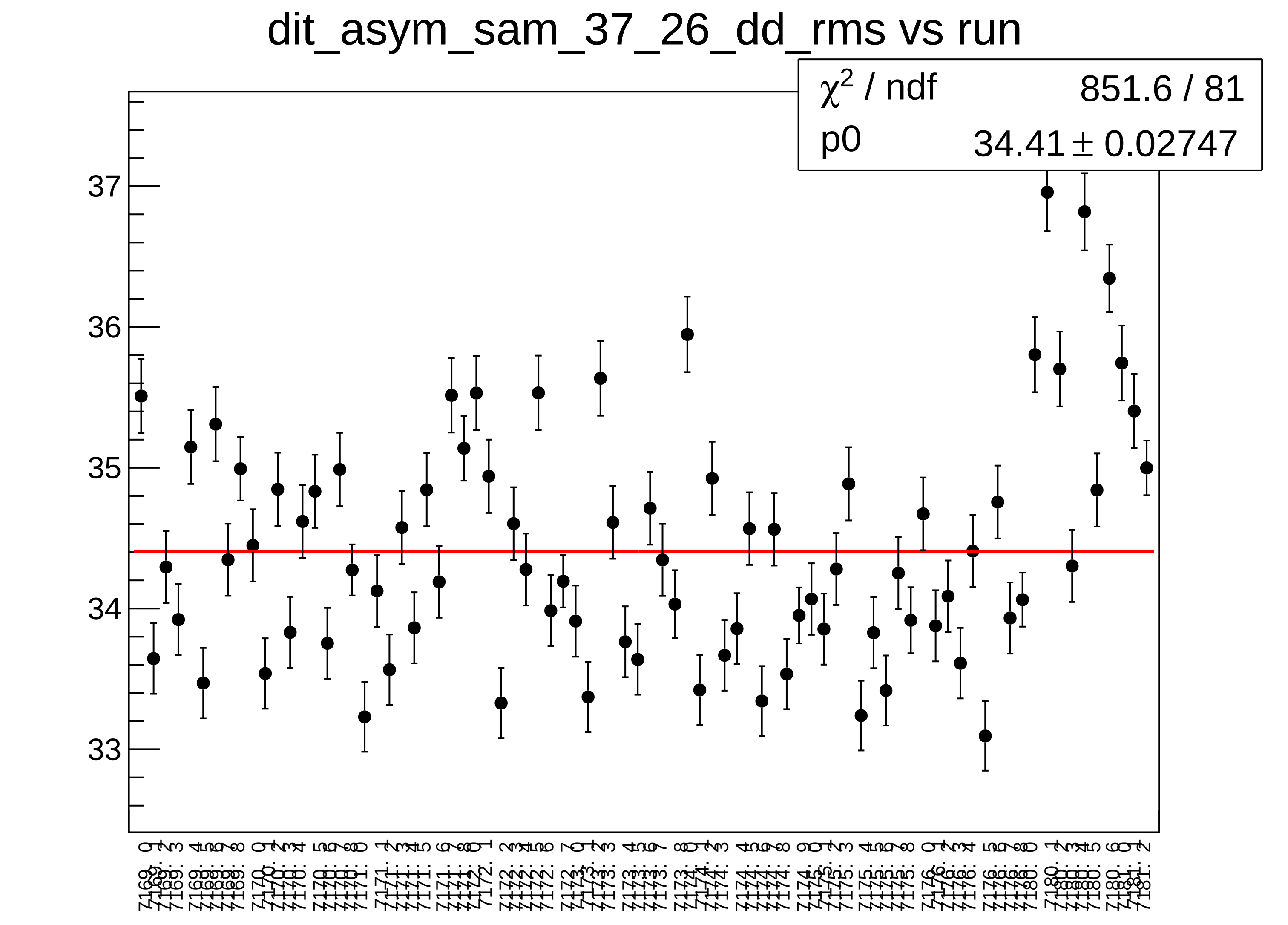
asym_sam_15_26_dd_mean vs run
χ^2 / ndf 60.63 / 81
p0 −167.1 ± 348.6
pull
Entries 82
Mean 1.288e+04
Std Dev 1.284e+04
pull1D
Entries 82
Mean 0.0003405
Std Dev 0.8599



asym_sam_15_26_dd_rms vs run
χ^2 / ndf 8176 / 81
p0 308 ± 0.2465
380
360
340
320
300
280
260

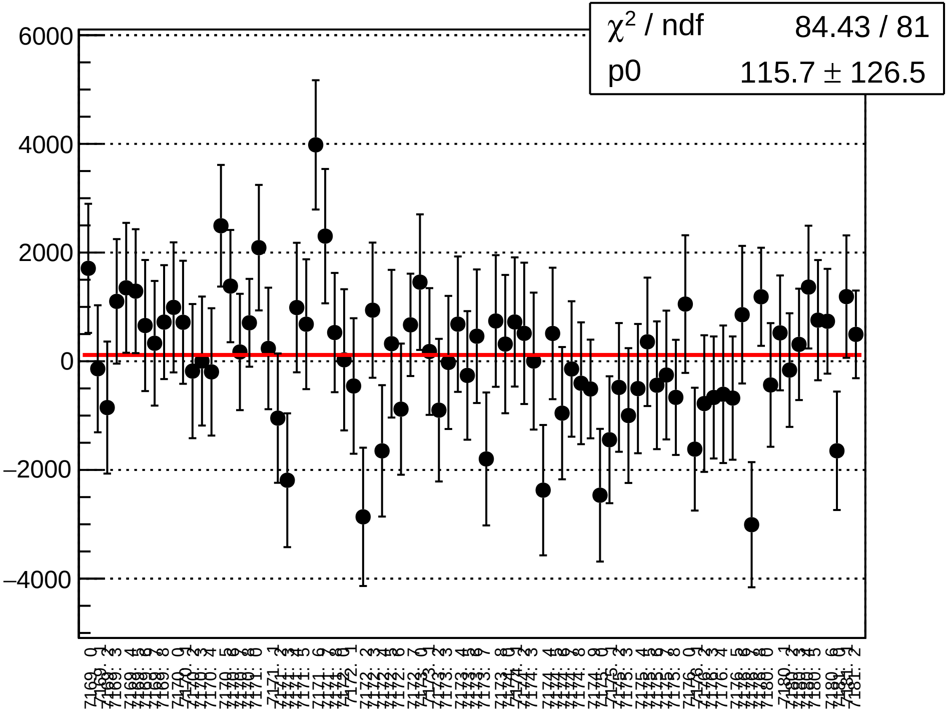


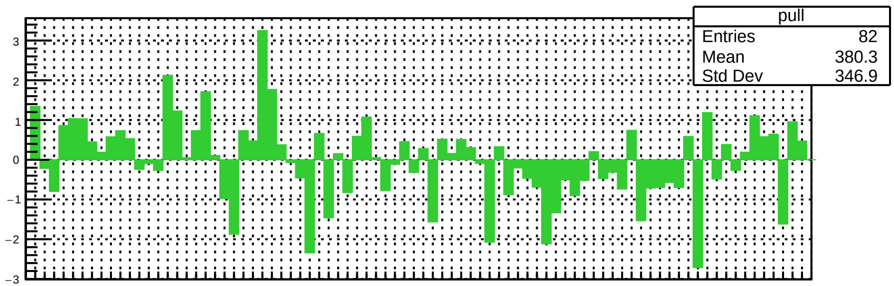
dit_asym_sam_37_26_dd_mean vs run
χ2 / ndf 63.93 / 81
p0 82.28 ± 38.85
pull
Entries 82
Mean 304.3
Std Dev 285.8
pull1D
Entries 82
Mean 0.003665
Std Dev 0.883

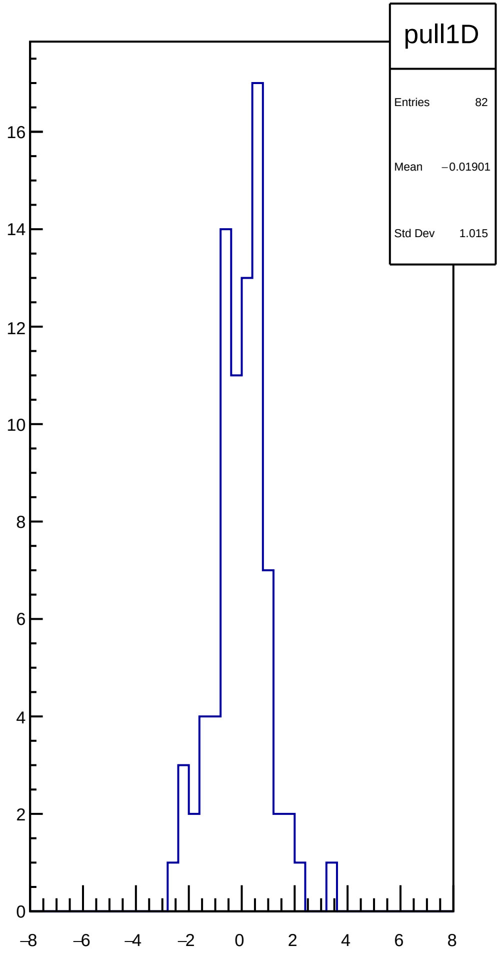


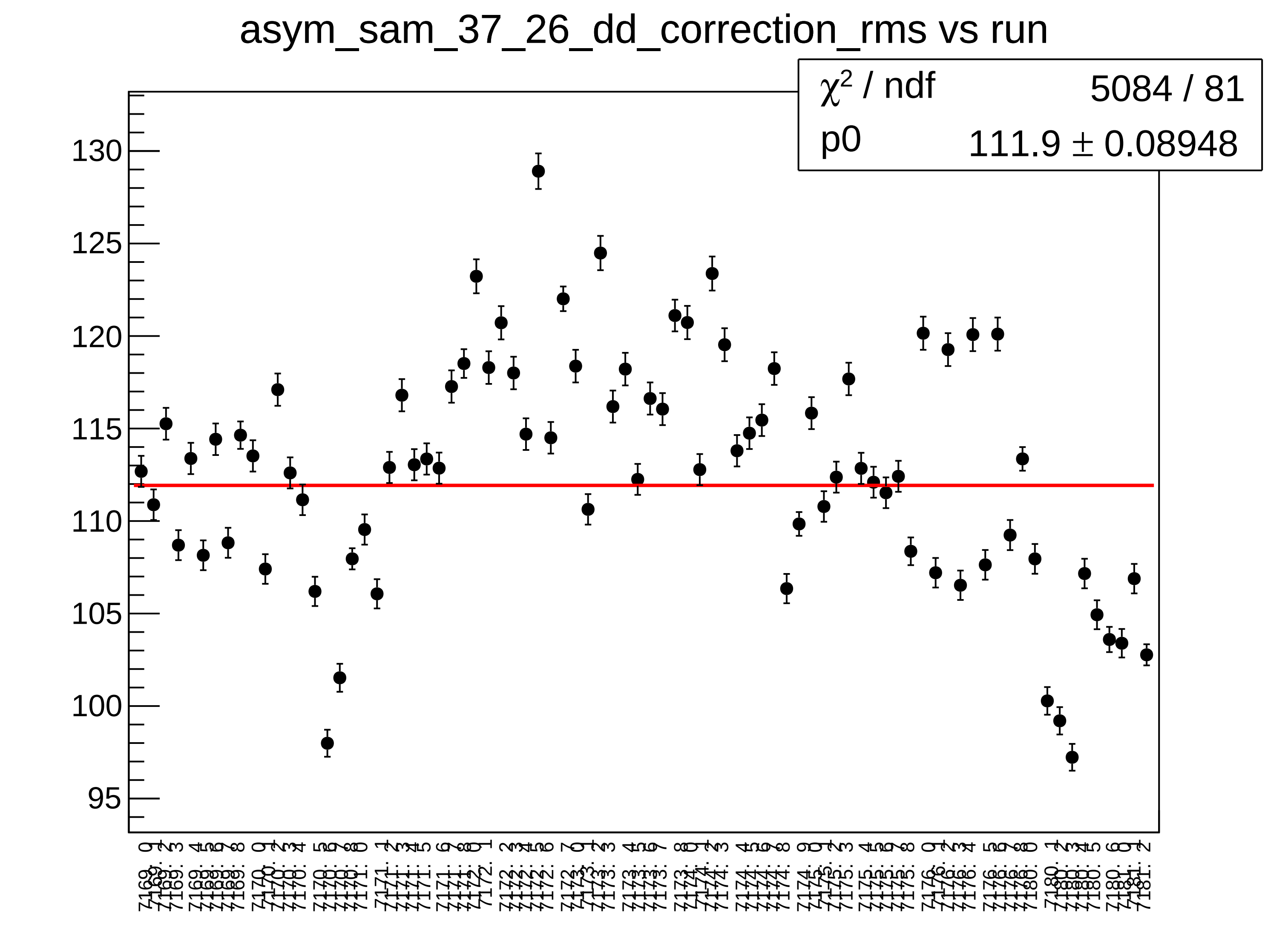
dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 851.6 / 81
p0 34.41 ± 0.02747
37
36
35
34
33

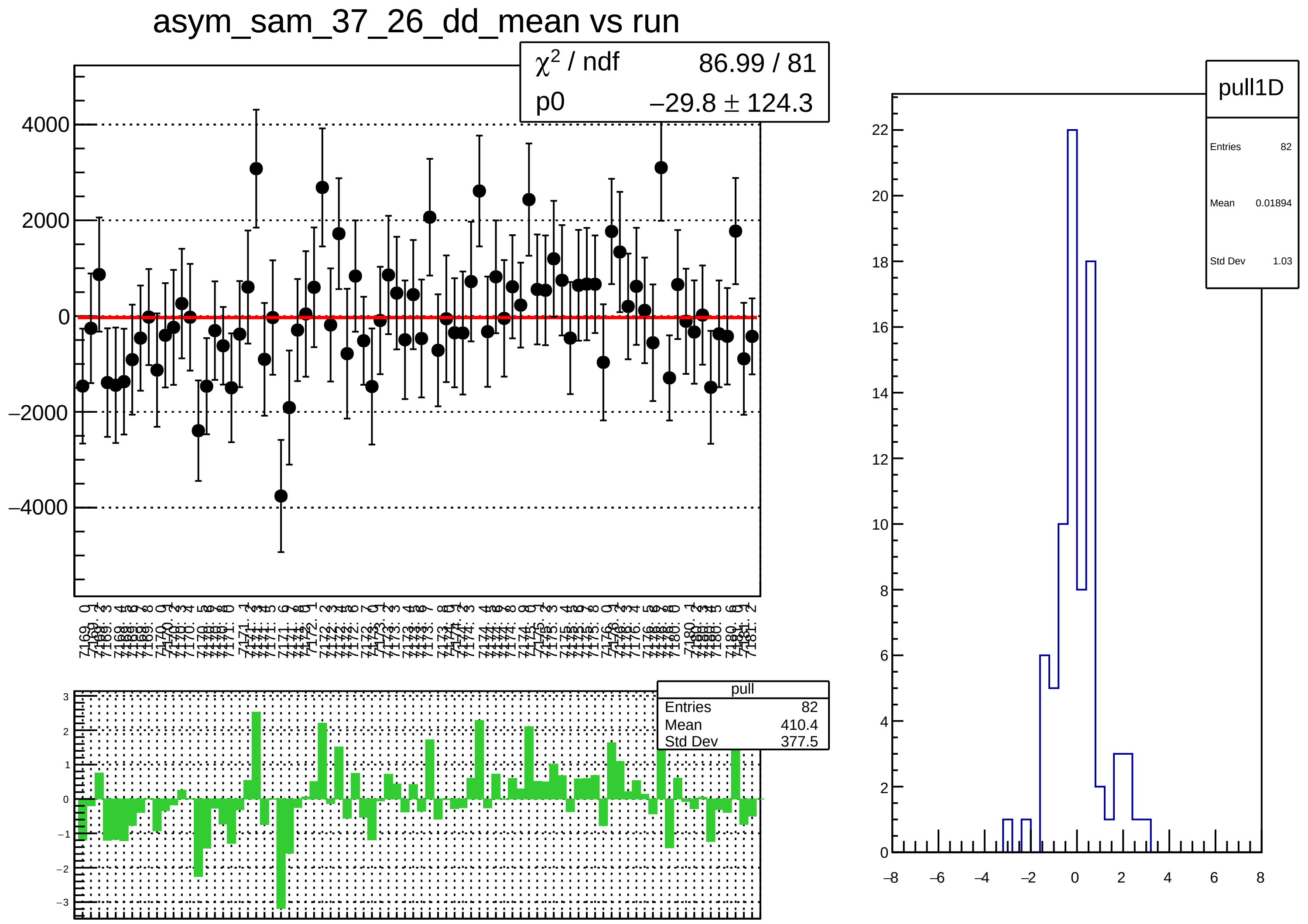
asym_sam_37_26_dd_correction_mean vs run



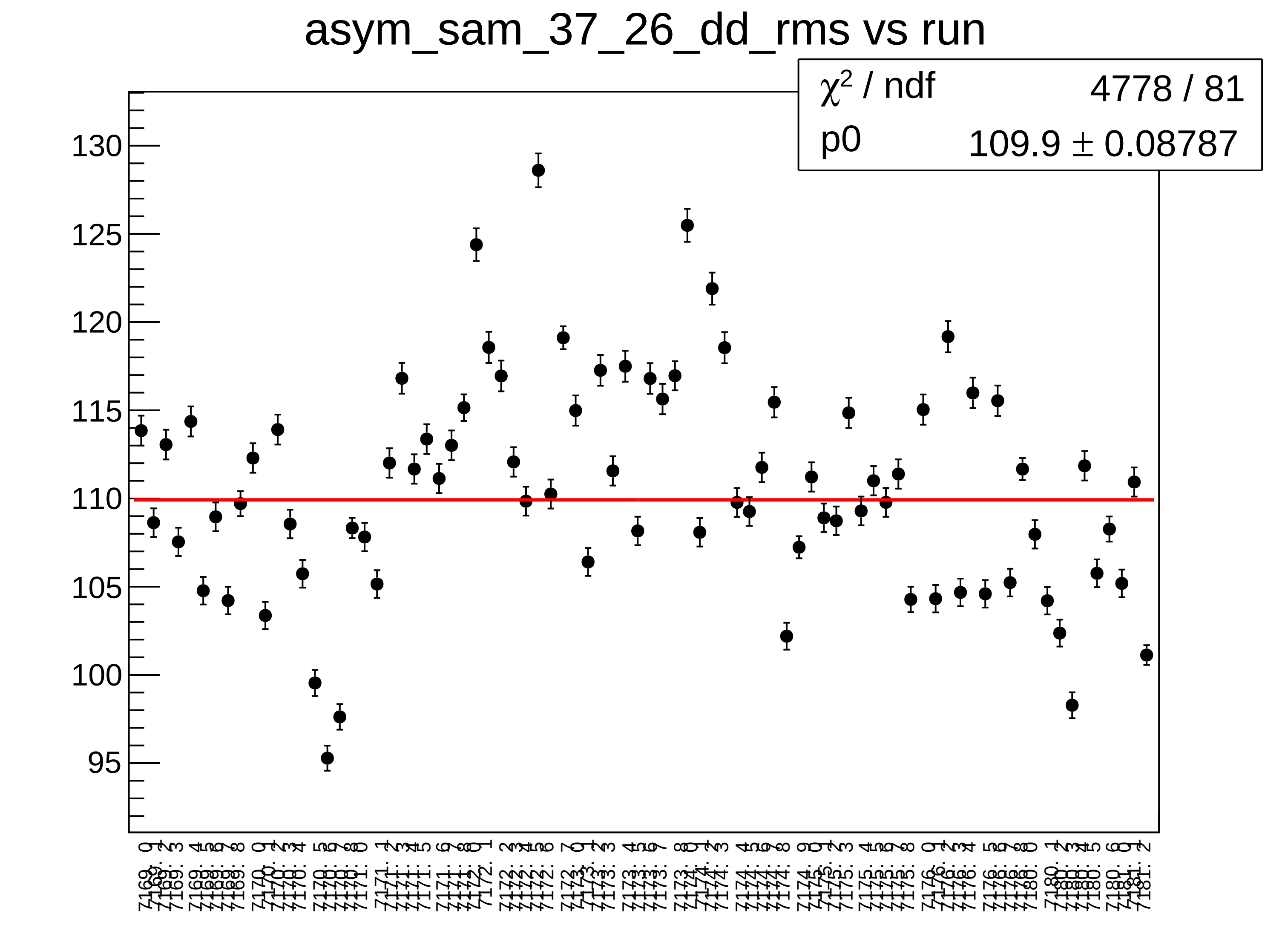


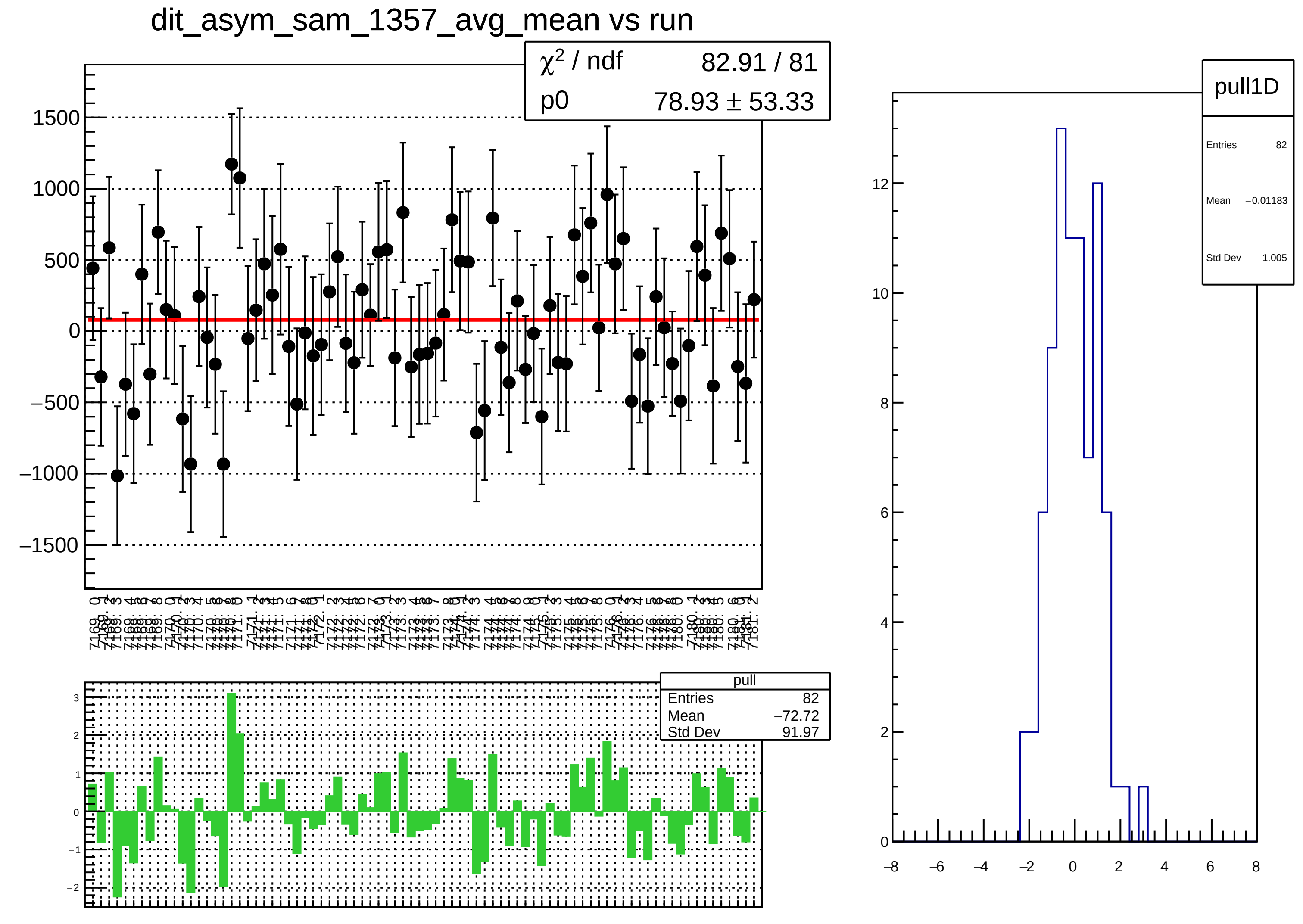



asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 5084 / 81
p0 111.9 ± 0.08948
130
125
120
115
110
105
100
95

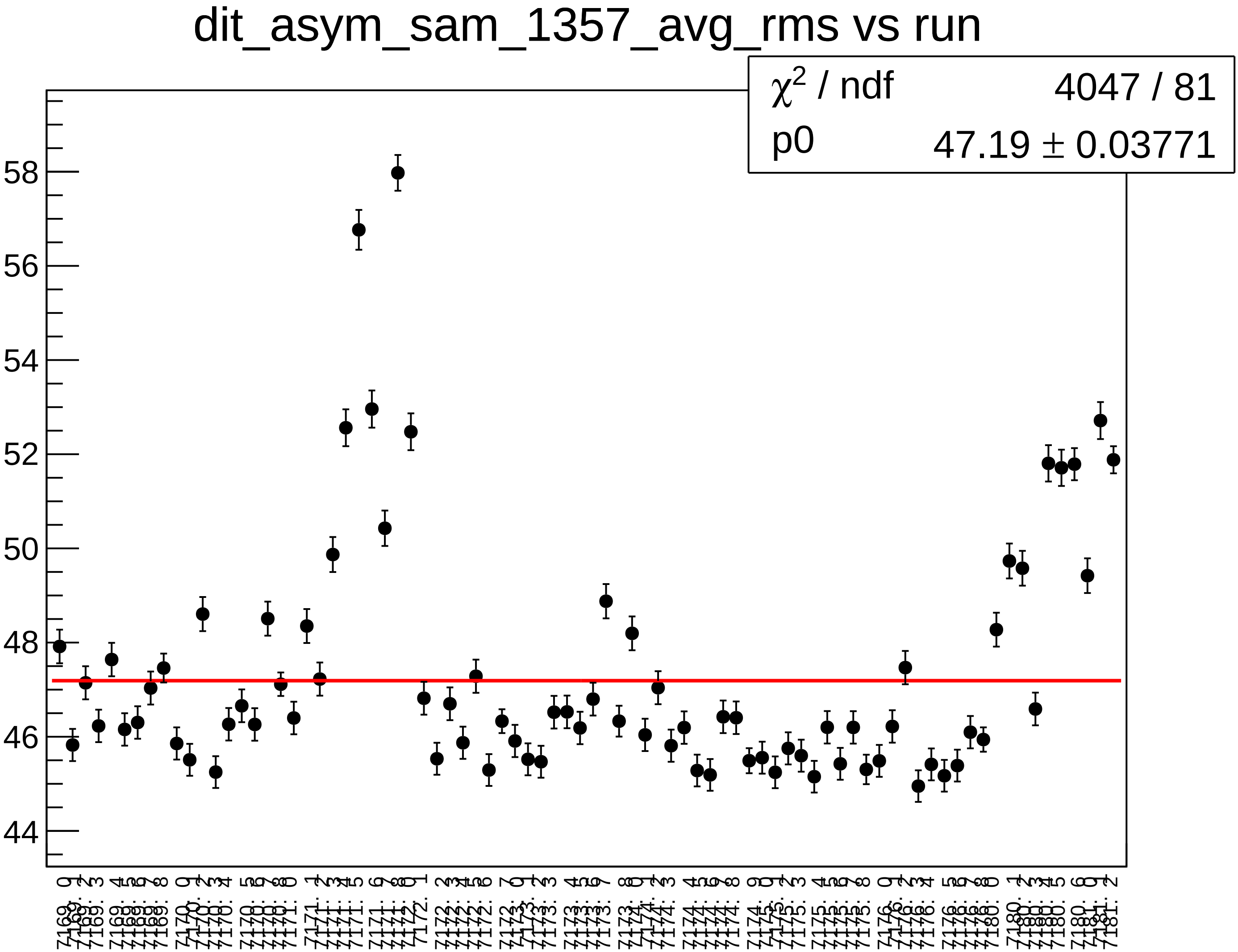


asym_sam_37_26_dd_mean vs run
χ^2 / ndf 86.99 / 81
p0 −29.8 ± 124.3
pull
Entries 82
Mean 410.4
Std Dev 377.5
pull1D
Entries 82
Mean 0.01894
Std Dev 1.03

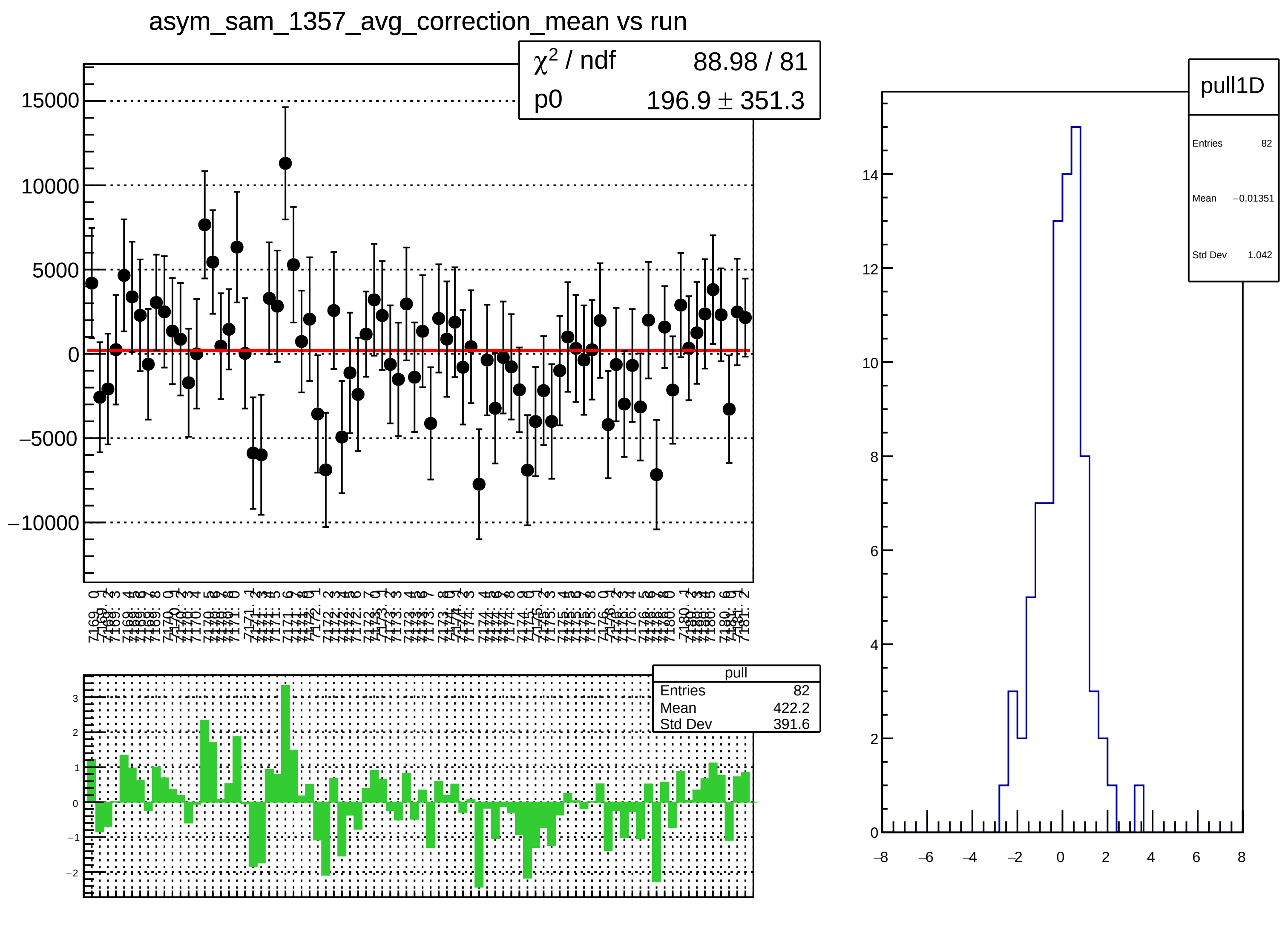

asym_sam_37_26_dd_rms vs run
χ2 / ndf 4778 / 81
p0 109.9 ± 0.08787
130
125
120
115
110
105
100
95



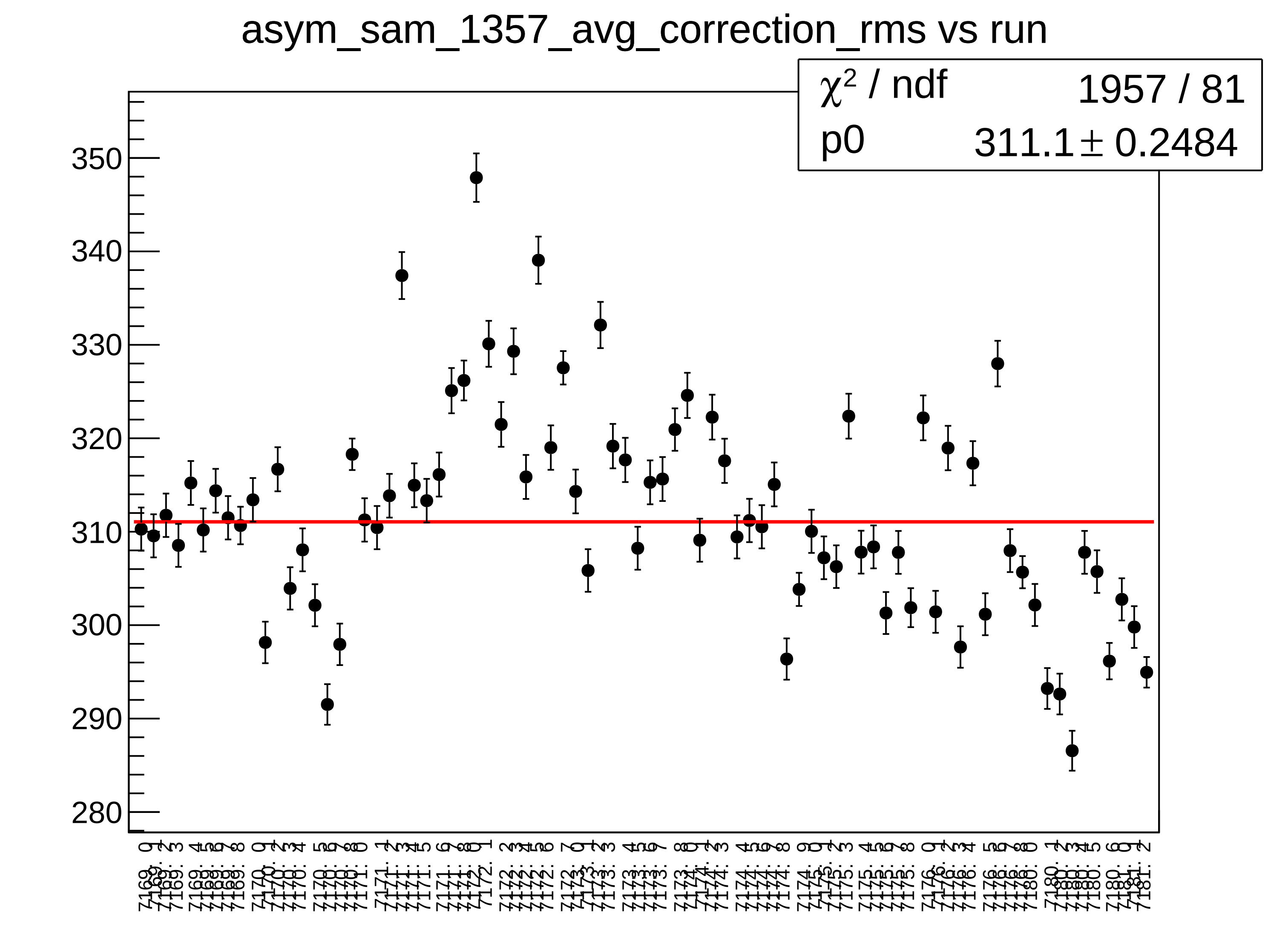
dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 82.91 / 81
p0 78.93 ± 53.33
pull
Entries 82
Mean −72.72
Std Dev 91.97
pull1D
Entries 82
Mean −0.01183
Std Dev 1.005



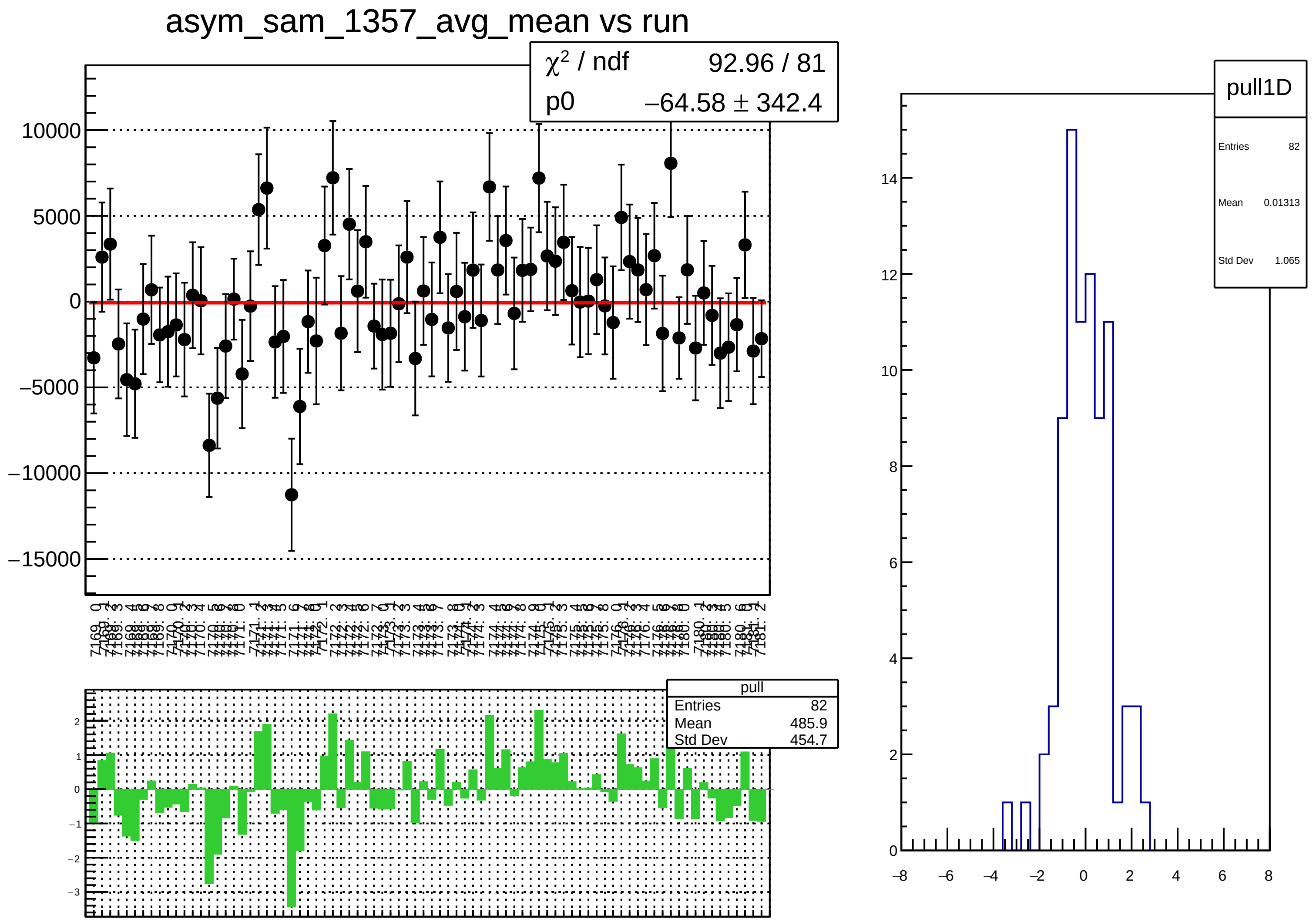
dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 4047 / 81
p0 47.19 ± 0.03771
44
46
48
50
52
54
56
58



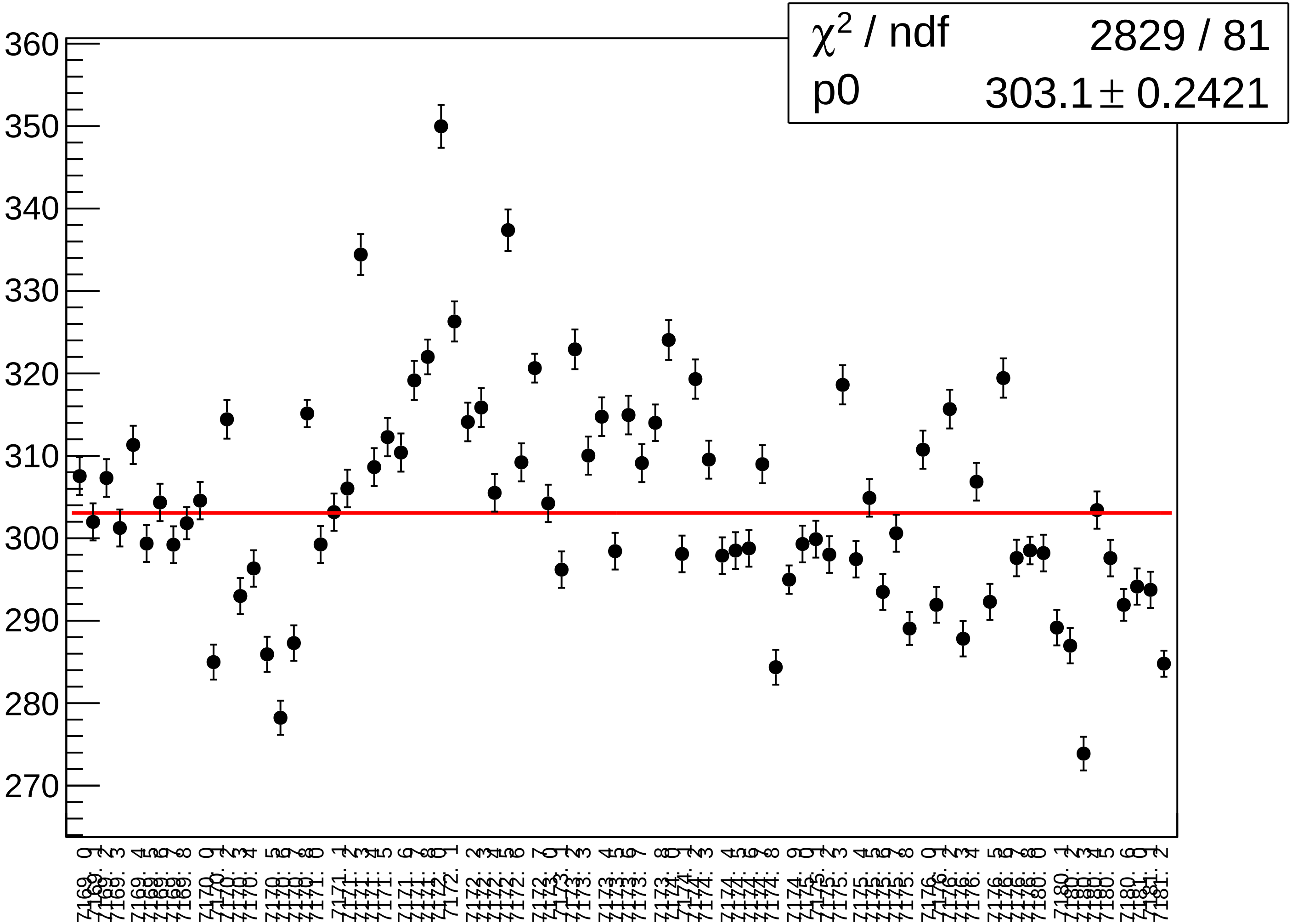
asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 88.98 / 81
p0 196.9 ± 351.3
pull
Entries 82
Mean 422.2
Std Dev 391.6
pull1D
Entries 82
Mean −0.01351
Std Dev 1.042

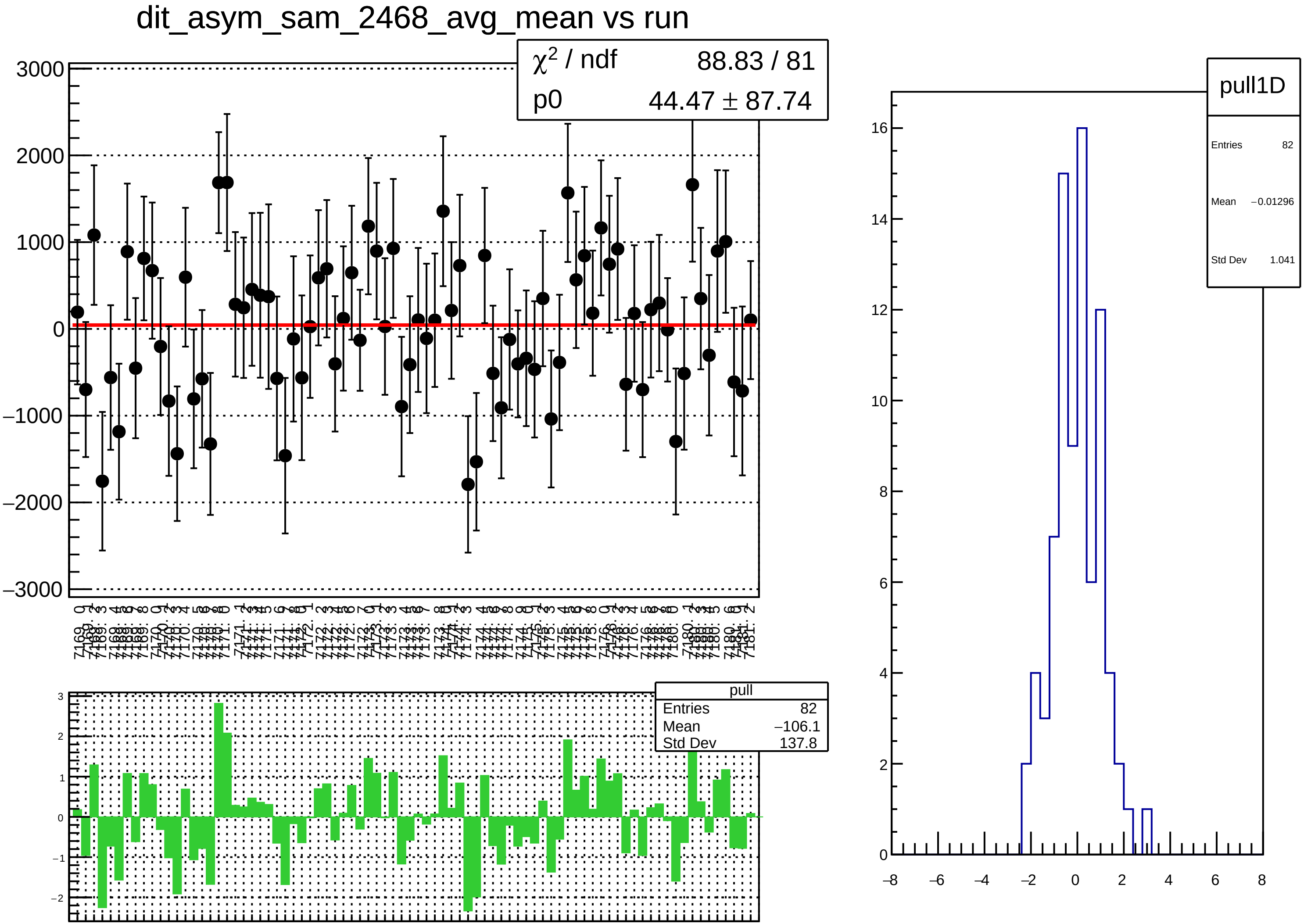


asym_sam_1357_avg_correction_rms vs run
χ2 / ndf 1957 / 81
p0 311.1 ± 0.2484

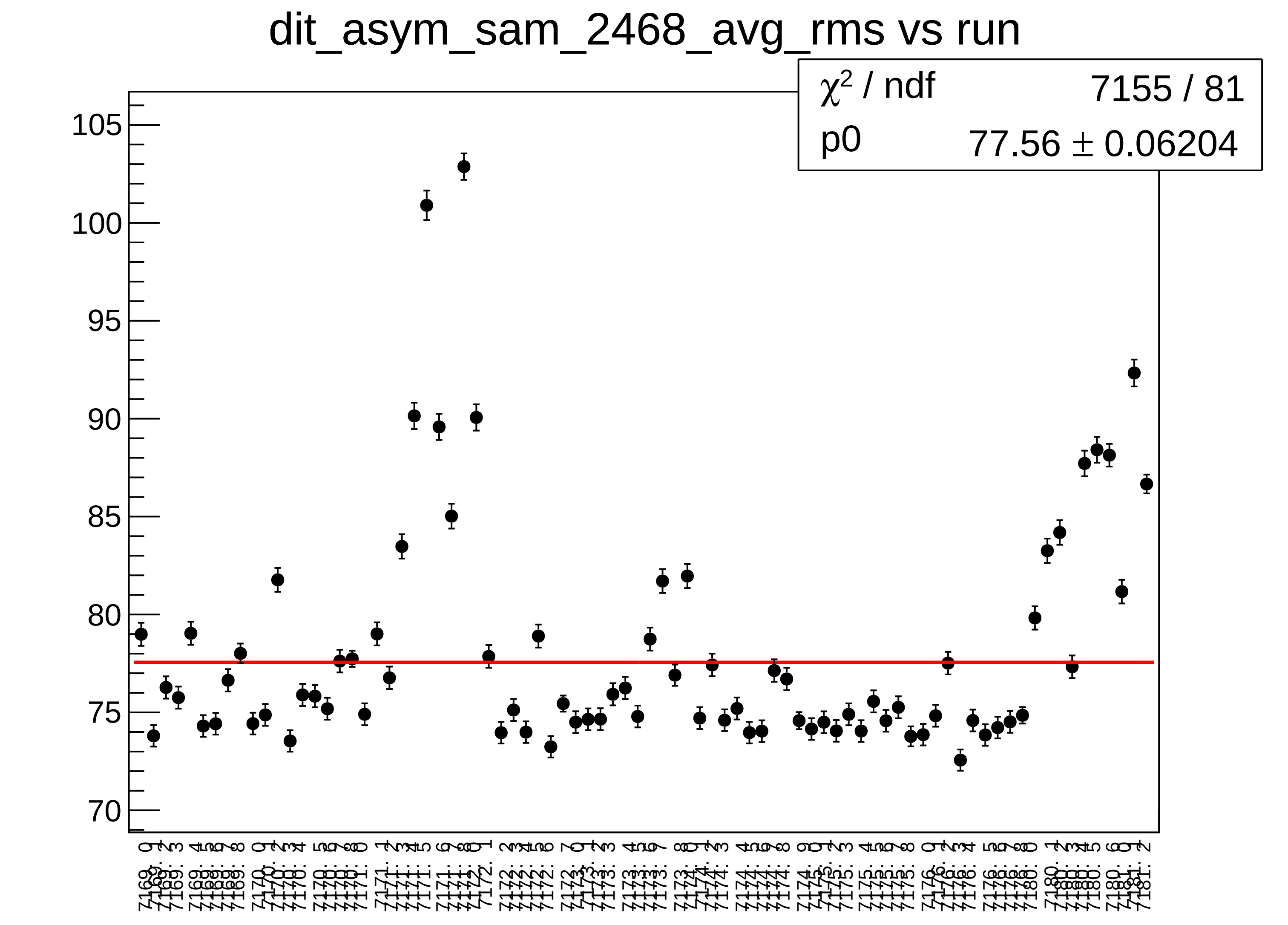

asym_sam_1357_avg_mean vs run
χ2 / ndf 92.96 / 81
p0 −64.58 ± 342.4
pull
Entries 82
Mean 485.9
Std Dev 454.7
pull1D
Entries 82
Mean 0.01313
Std Dev 1.065

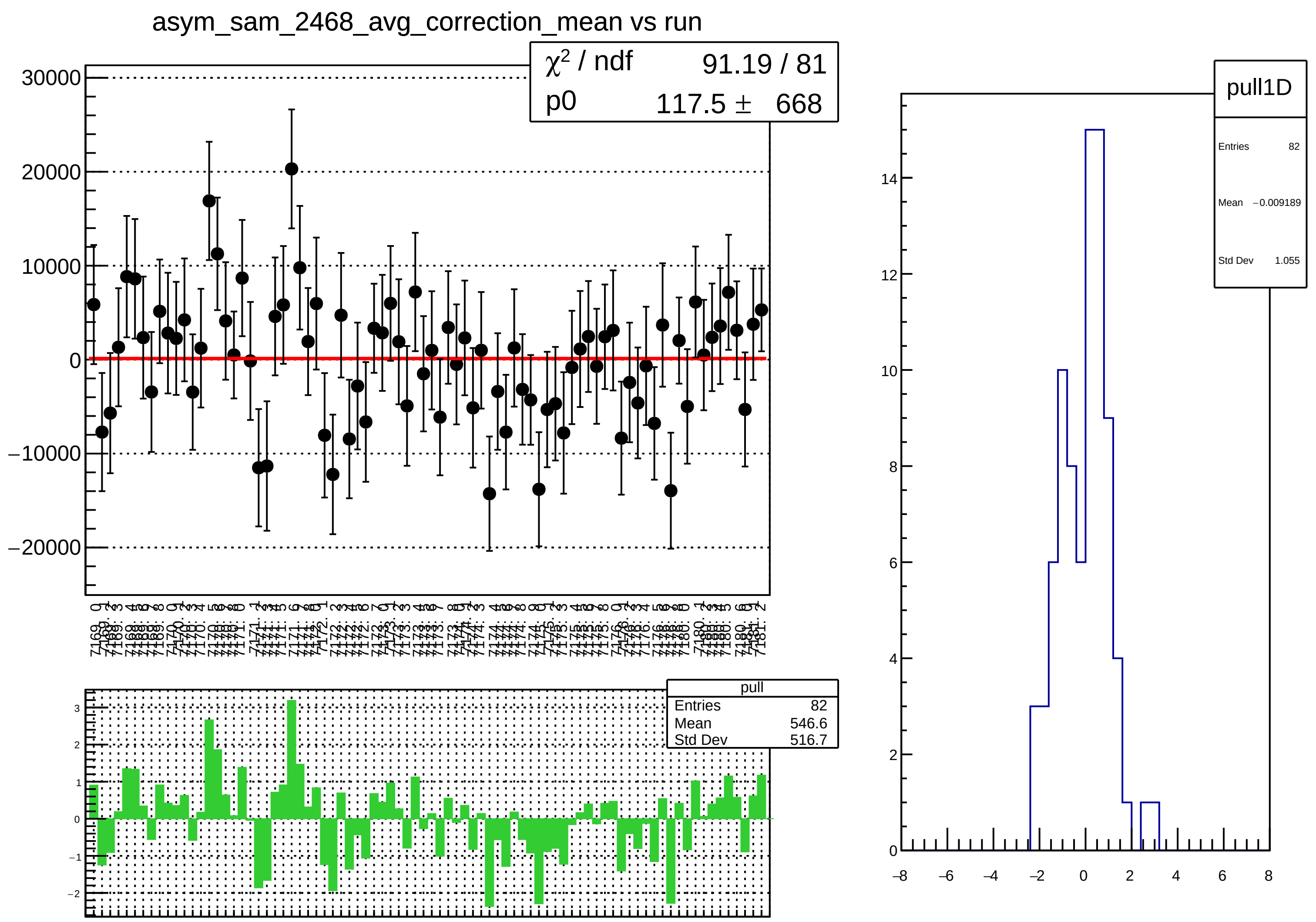
asym_sam_1357_avg_rms vs run

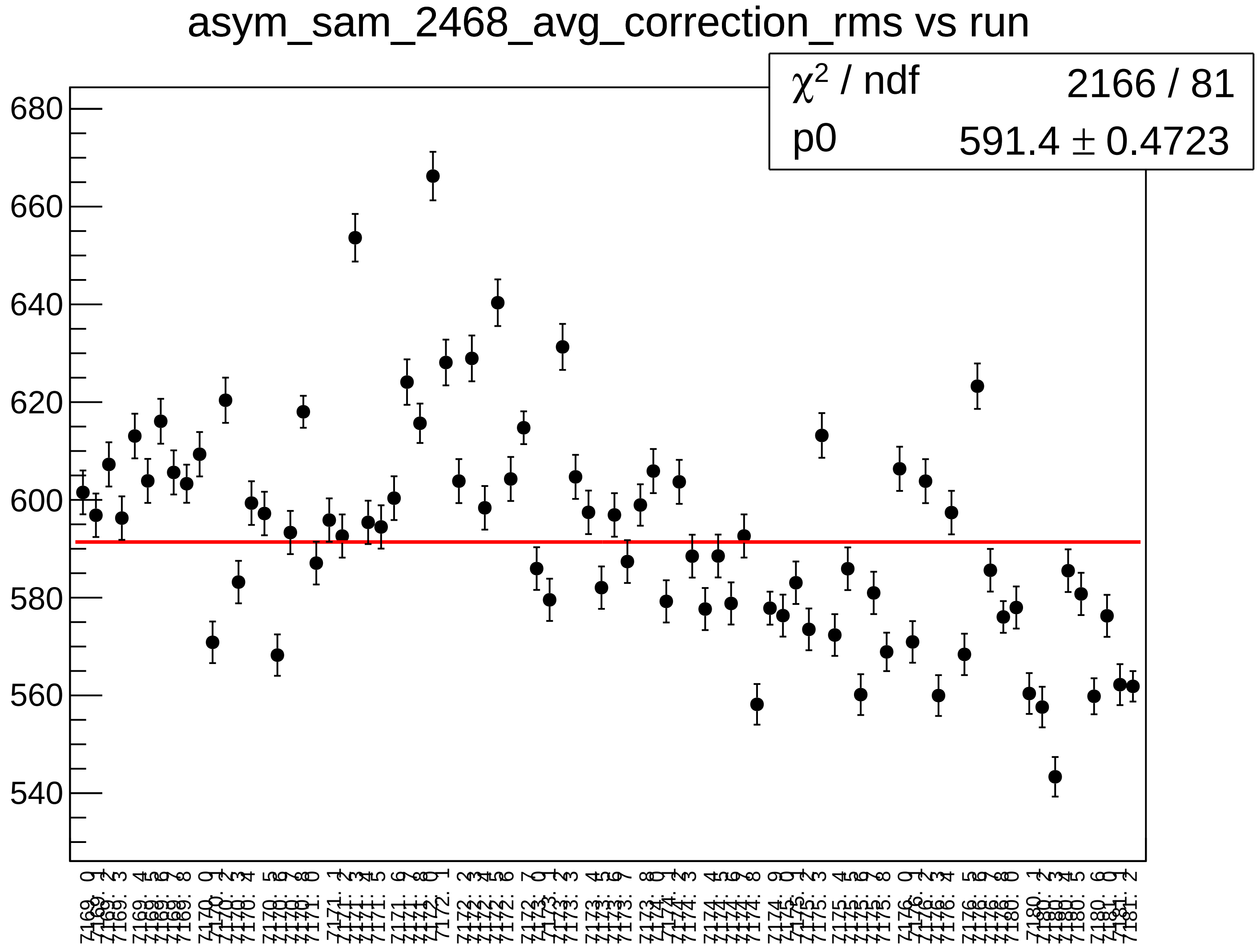




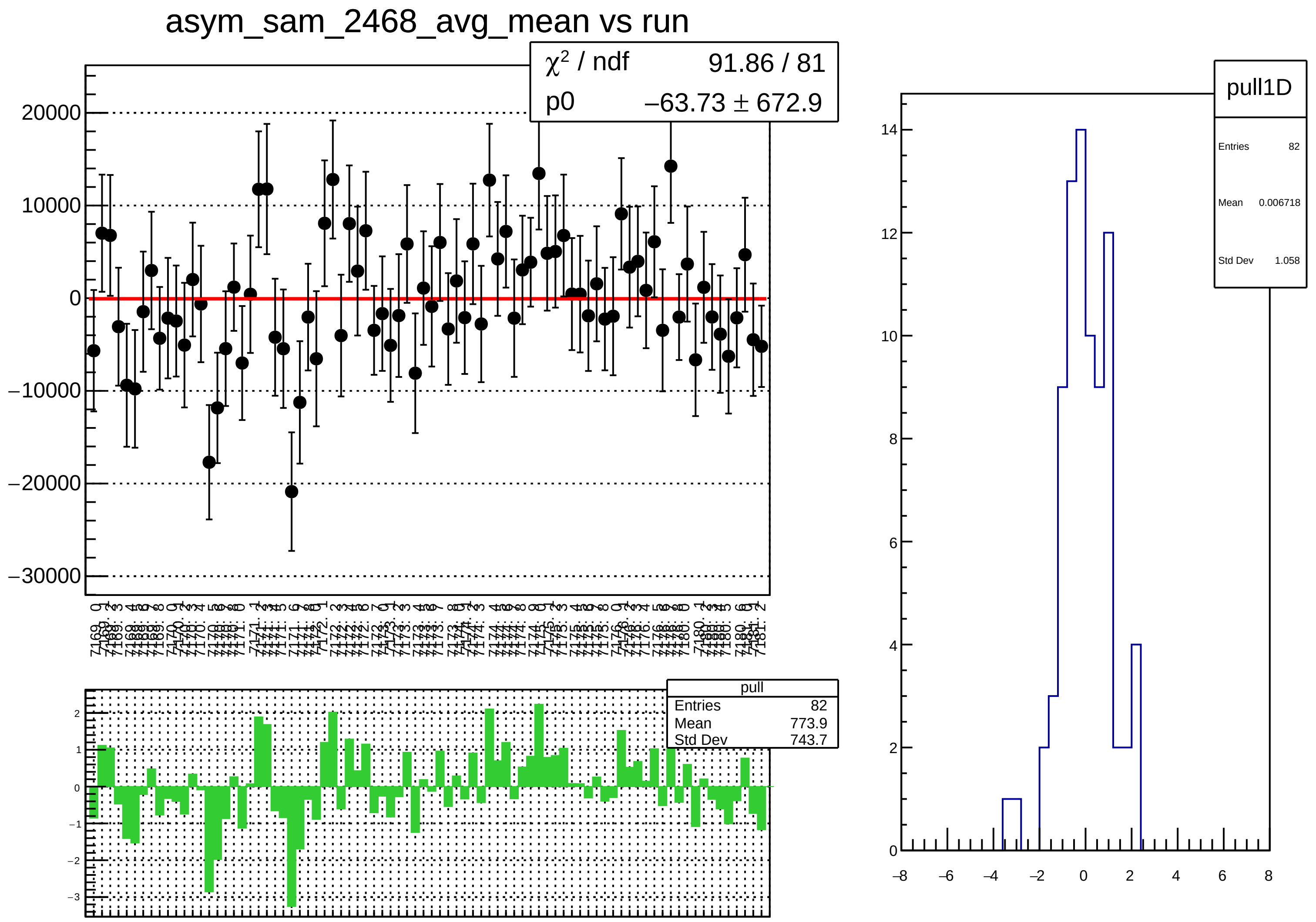
dit_asym_sam_2468_avg_mean vs run
χ2 / ndf 88.83 / 81
p0 44.47 ± 87.74
pull
Entries 82
Mean −106.1
Std Dev 137.8
pull1D
Entries 82
Mean −0.01296
Std Dev 1.041


dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 7155 / 81
p0 77.56 ± 0.06204
105
100
95
90
85
80
75
70

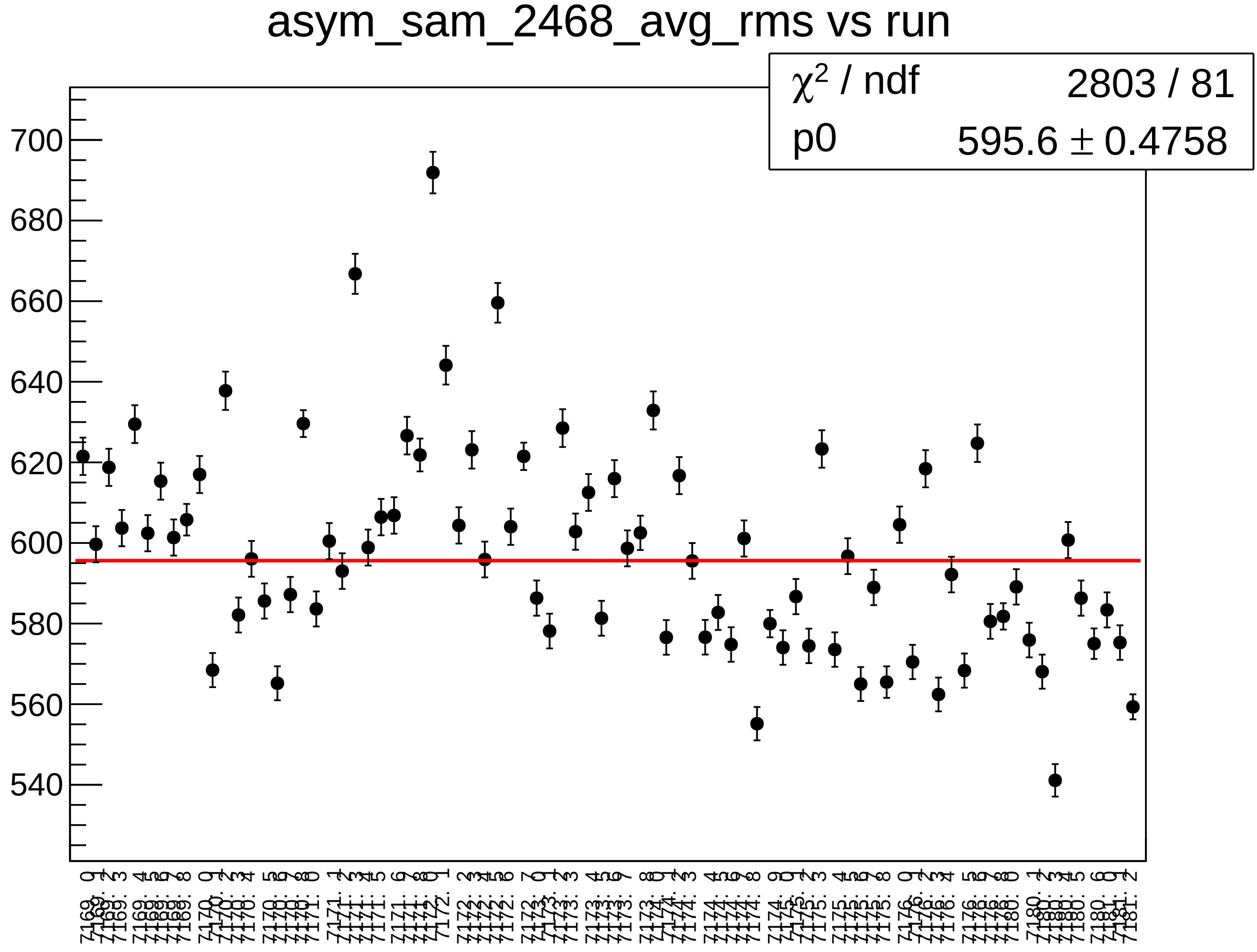

asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 91.19 / 81
p0 117.5 ± 668
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 546.6
Std Dev 516.7
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.009189
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

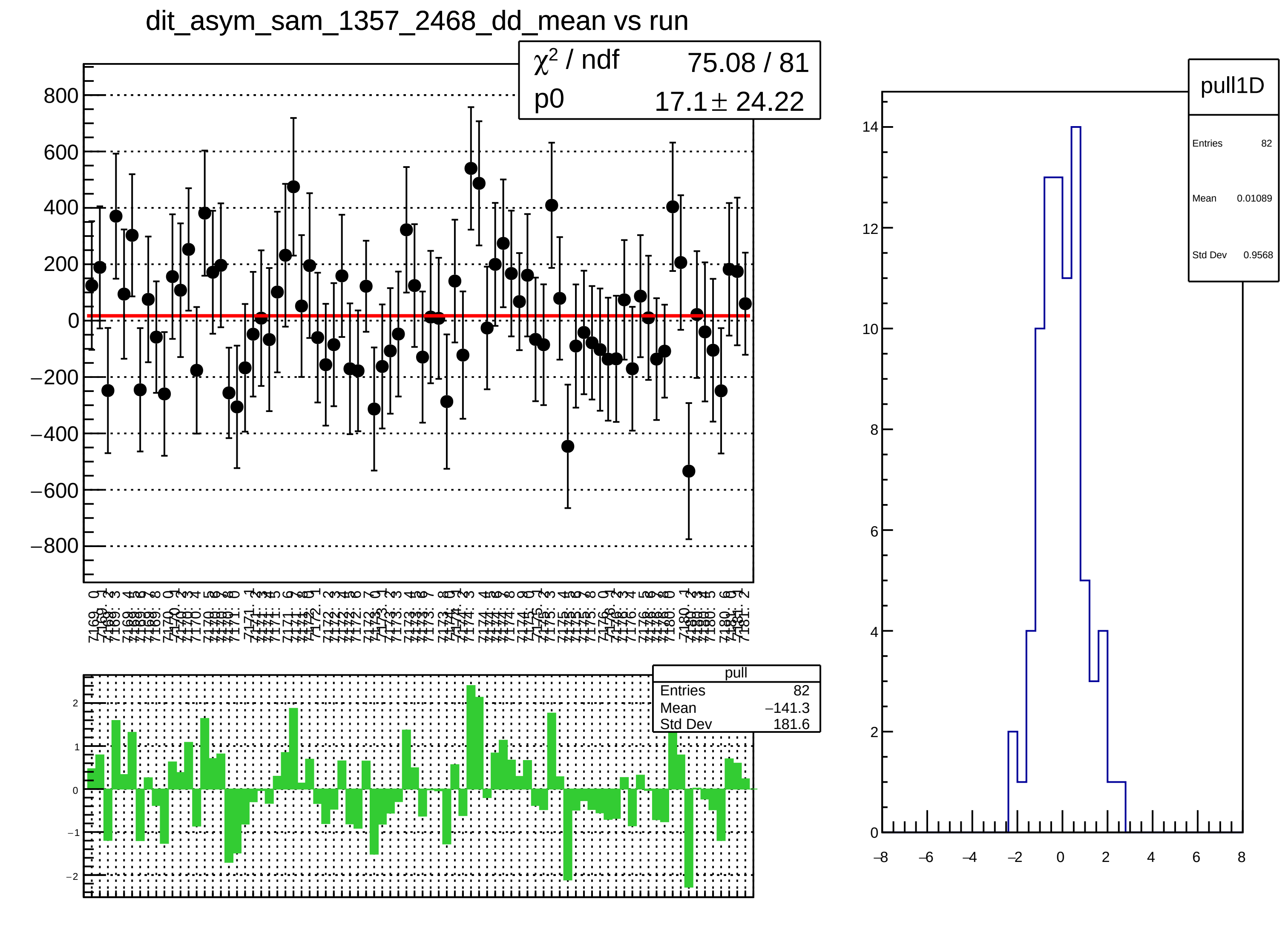


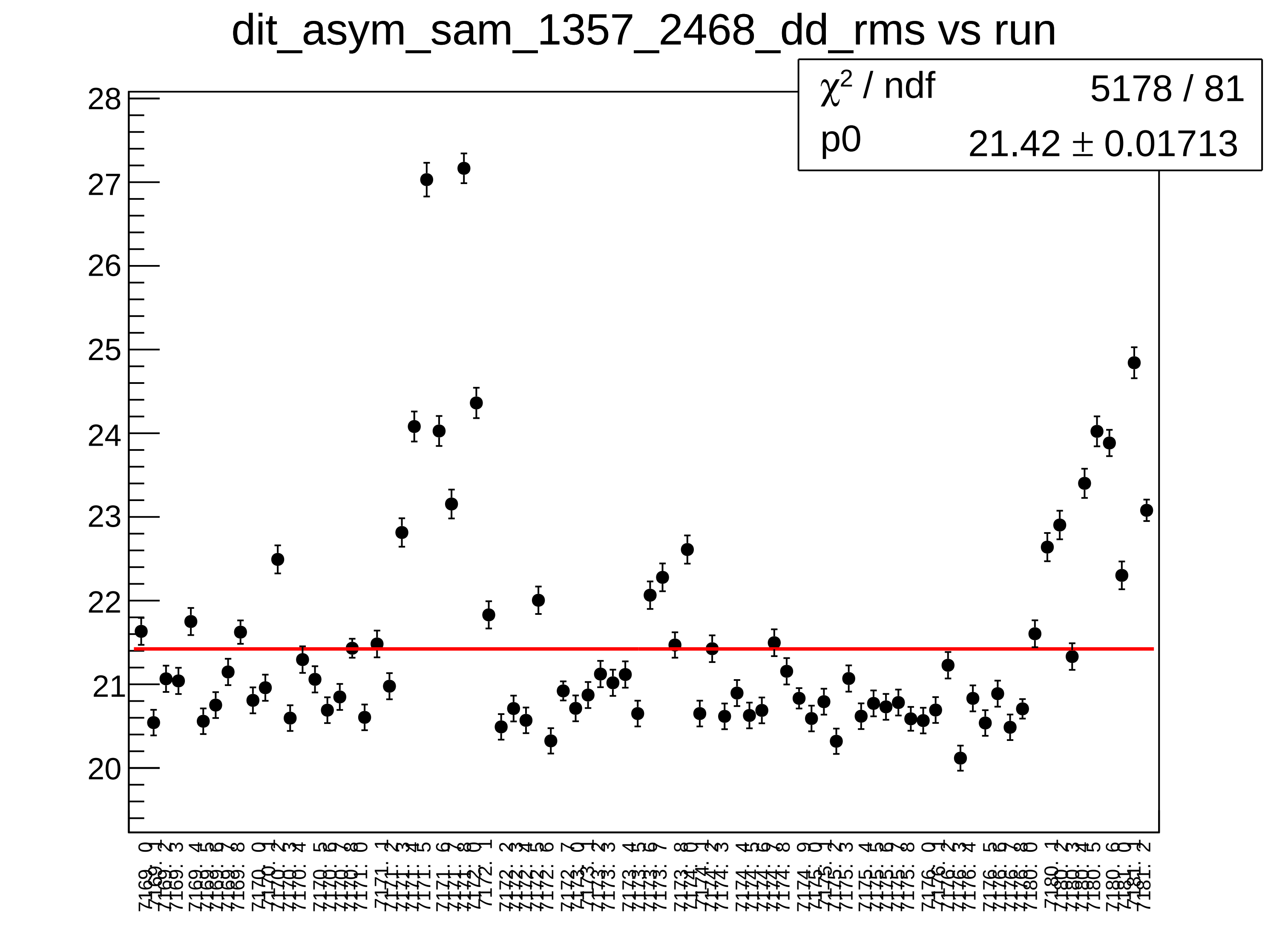
asym_sam_2468_avg_correction_rms vs run
χ2 / ndf 2166 / 81
p0 591.4 ± 0.4723
680
660
640
620
600
580
560
540



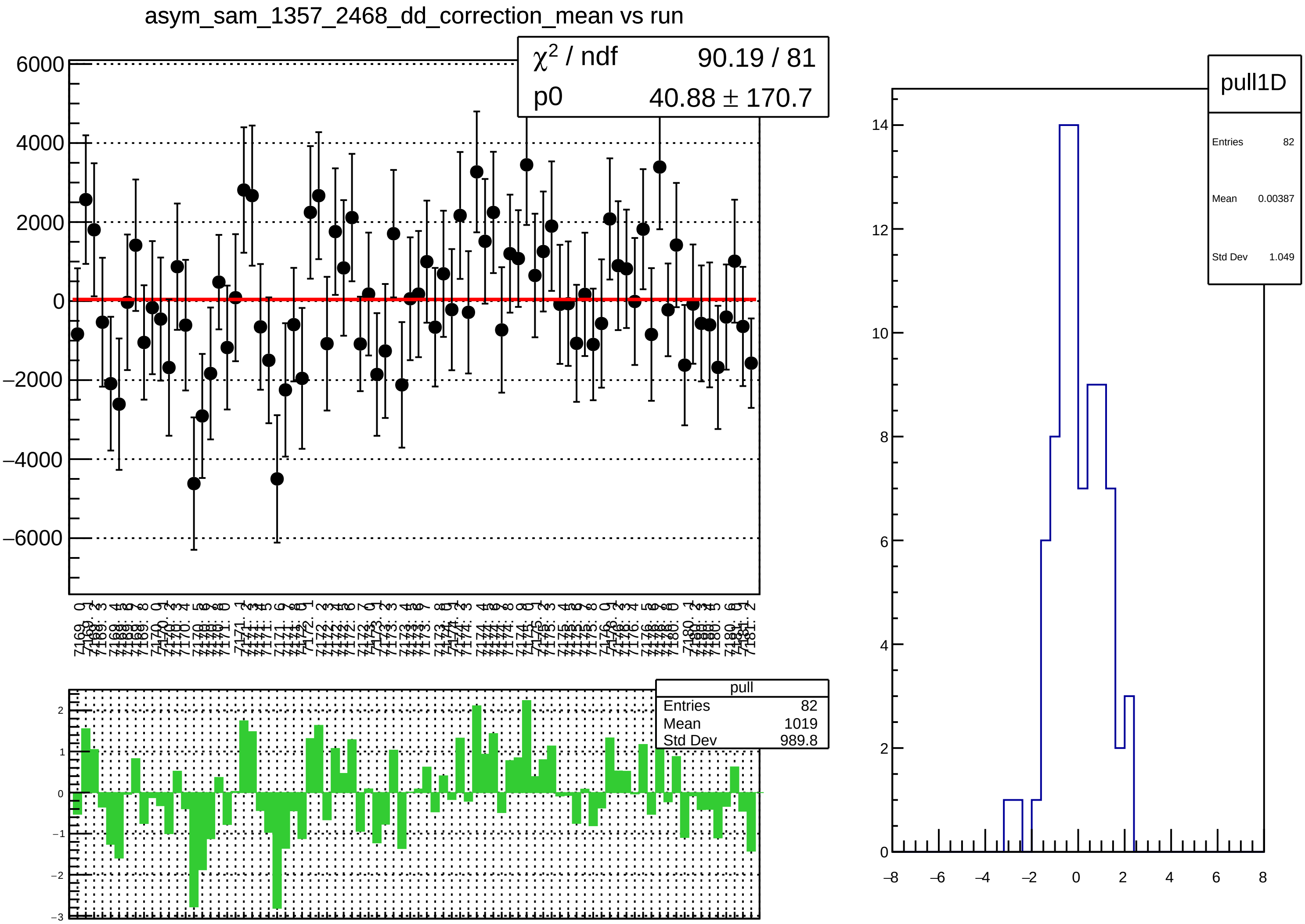
asym_sam_2468_avg_mean vs run
χ^2 / ndf 91.86 / 81
p0 −63.73 ± 672.9
pull
Entries 82
Mean 773.9
Std Dev 743.7
pull1D
Entries 82
Mean 0.006718
Std Dev 1.058


asym_sam_2468_avg_rms vs run
χ^2 / ndf 2803 / 81
p0 595.6 ± 0.4758
700
680
660
640
620
600
580
560
540

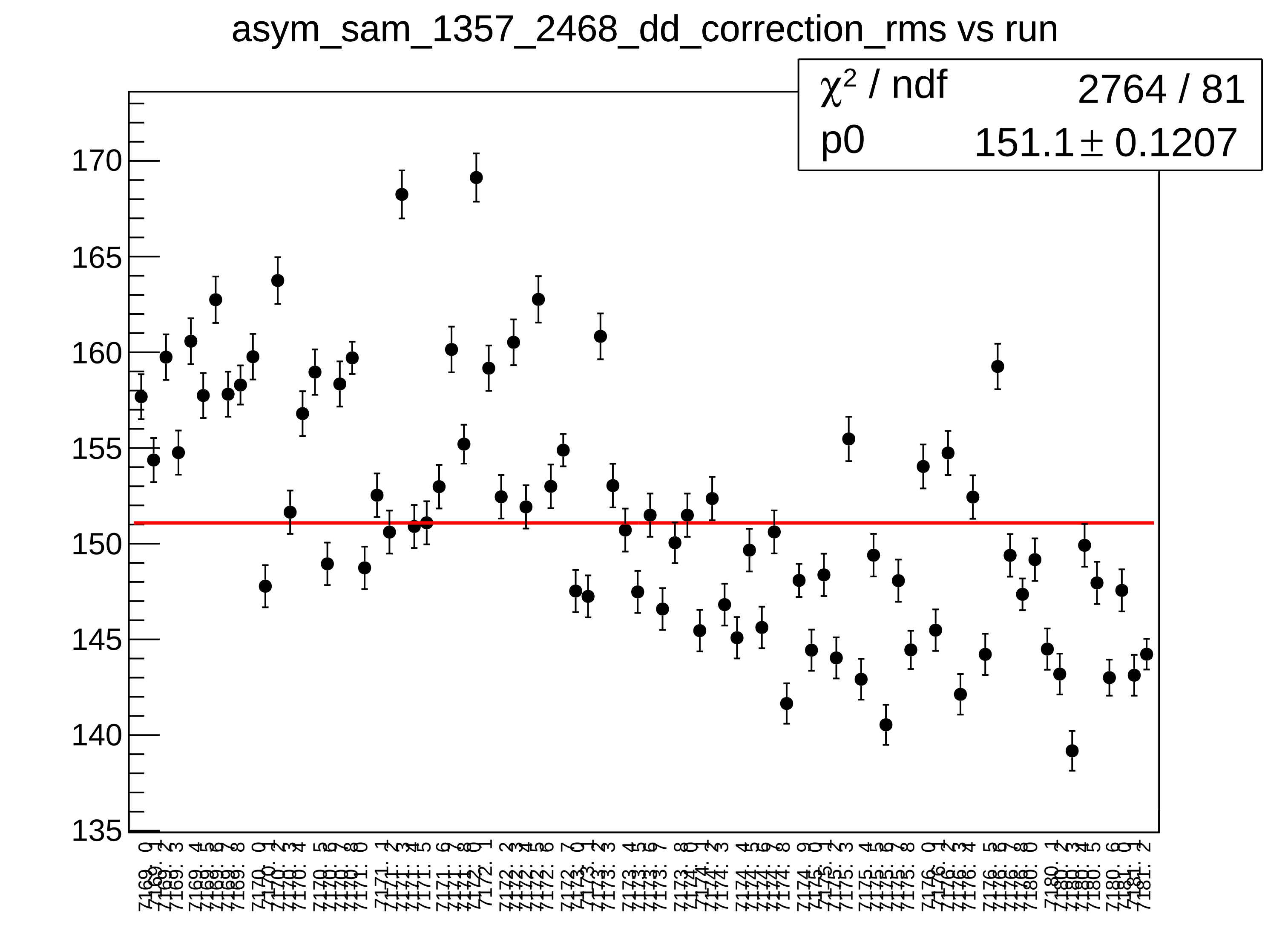

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 75.08 / 81
p0 17.1 ± 24.22
pull
Entries 82
Mean −141.3
Std Dev 181.6
pull1D
Entries 82
Mean 0.01089
Std Dev 0.9568



dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5178 / 81
p0 21.42 ± 0.01713

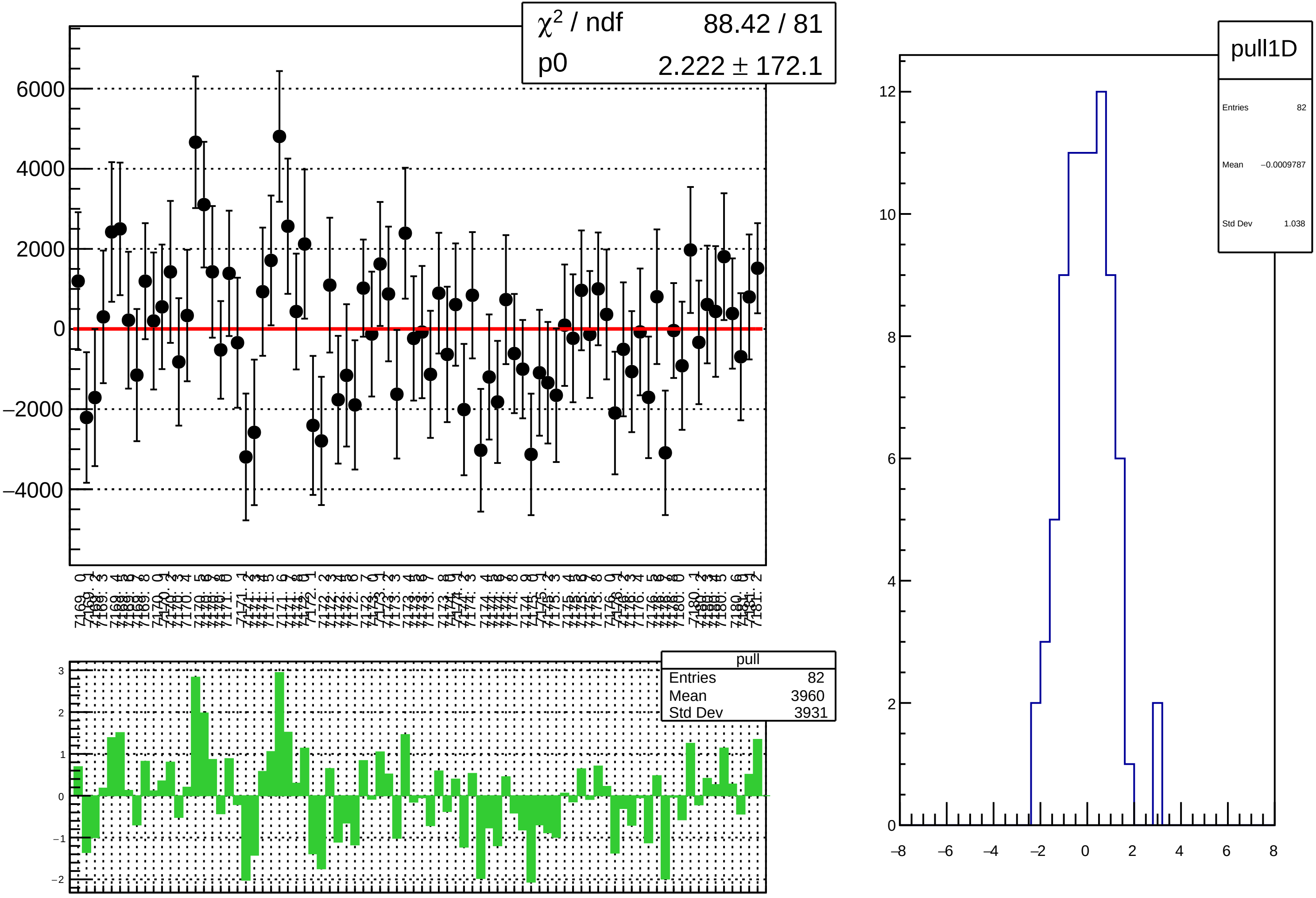


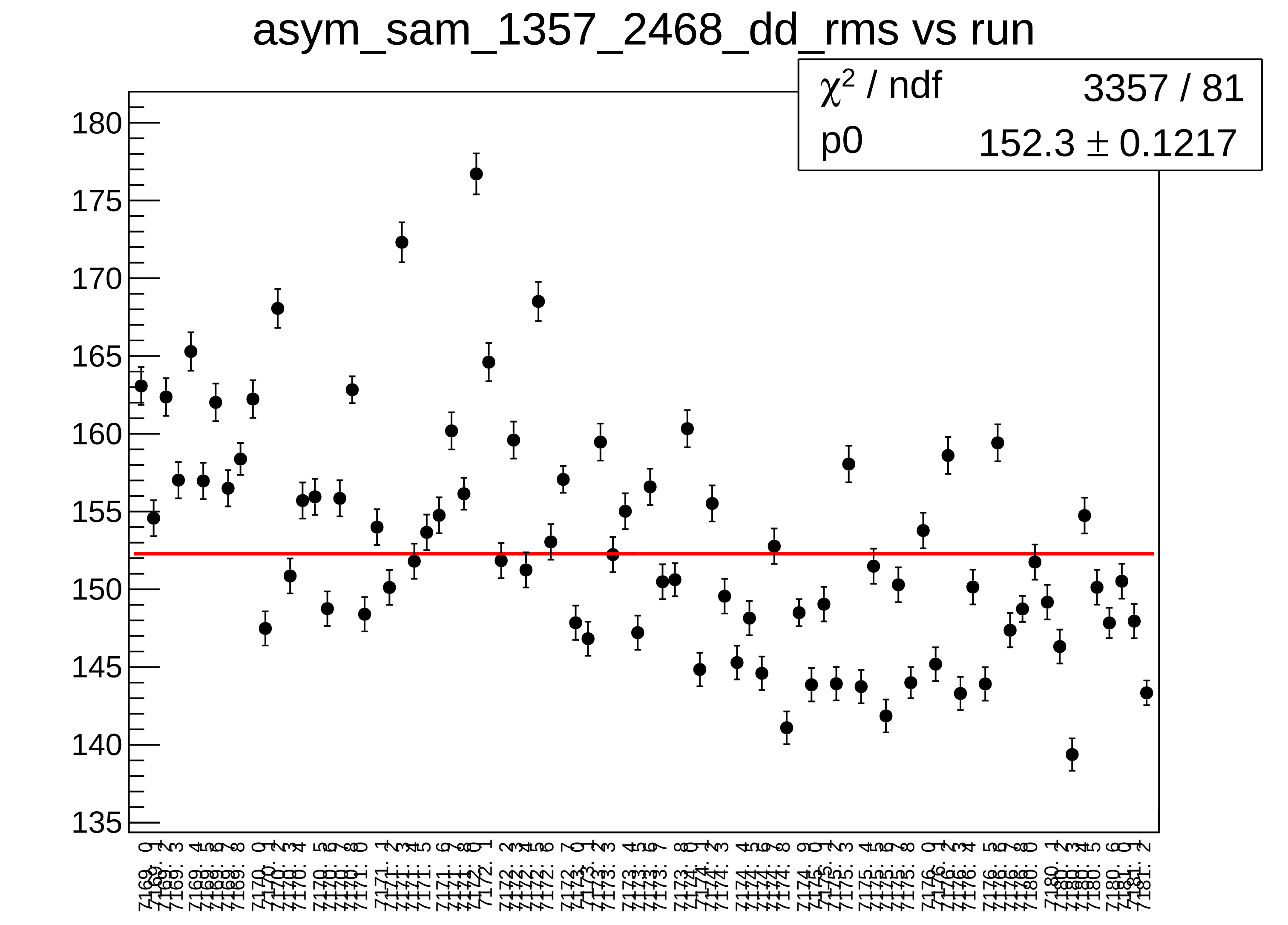
asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 90.19 / 81
p0 40.88 ± 170.7
pull
Entries 82
Mean 1019
Std Dev 989.8
pull1D
Entries 82
Mean 0.00387
Std Dev 1.049

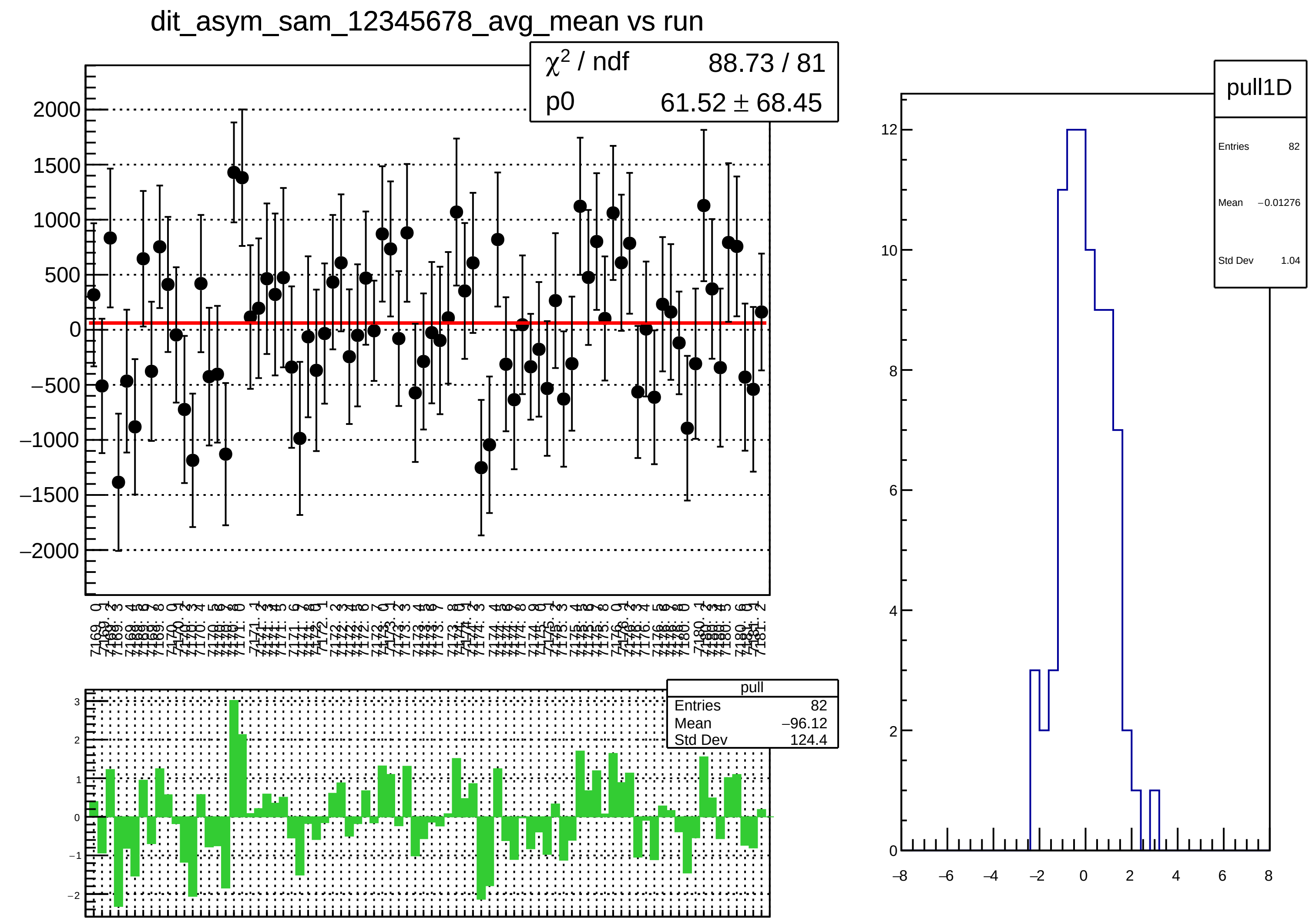


asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 2764 / 81
p0 151.1 ± 0.1207
170
165
160
155
150
145
140
135

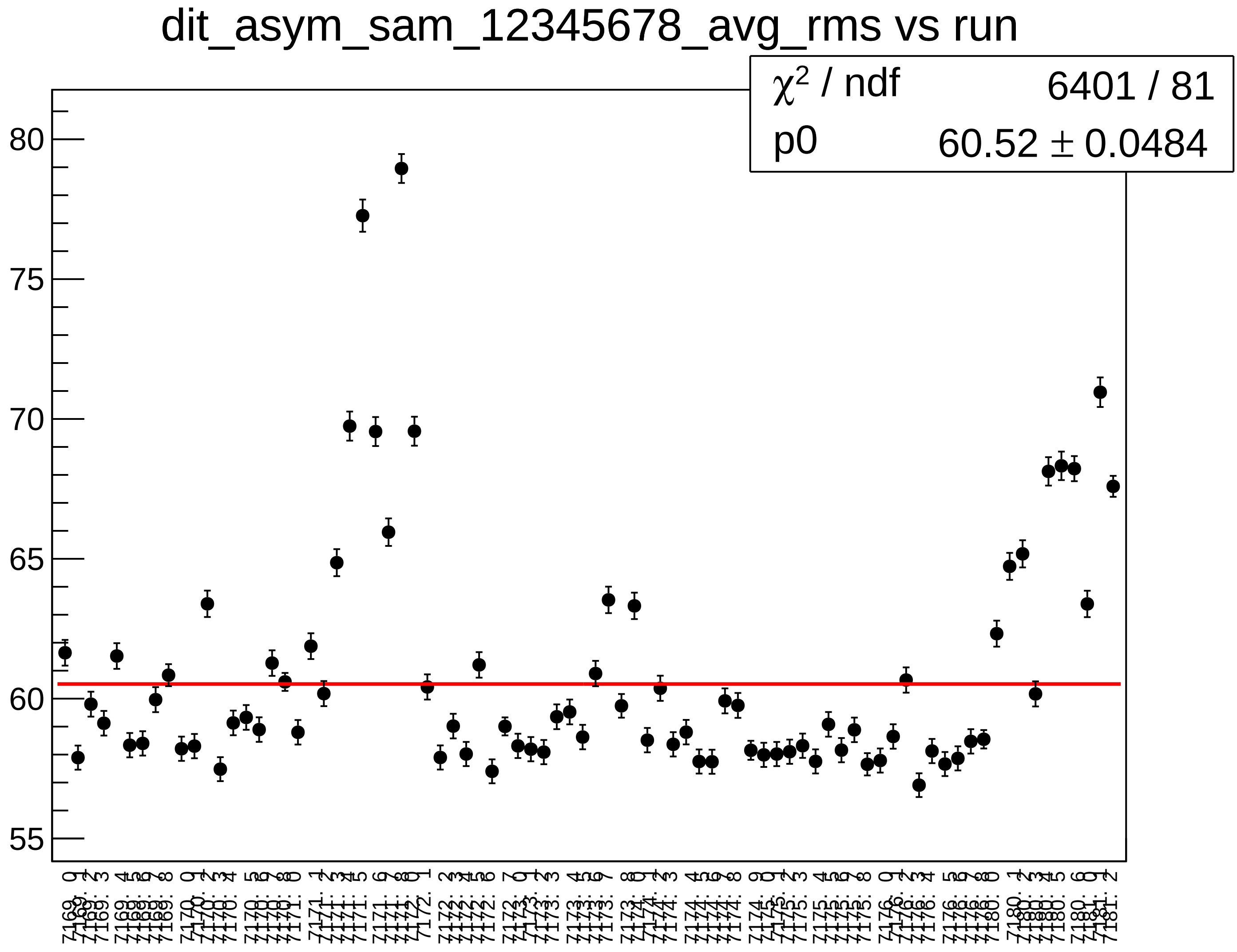
asym_sam_1357_2468_dd_mean vs run

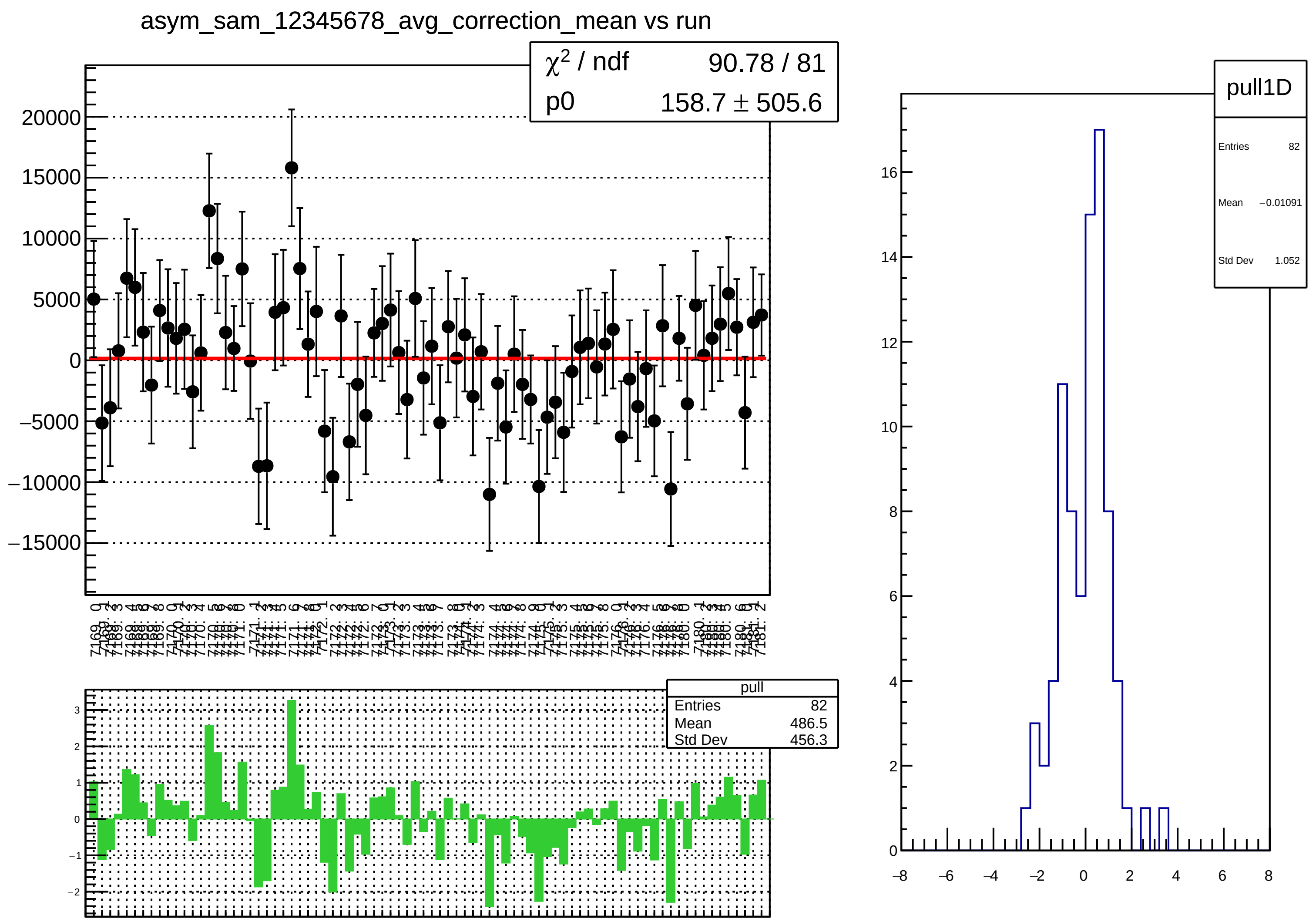



asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 3357 / 81
p0 152.3 ± 0.1217
180
175
170
165
160
155
150
145
140
135

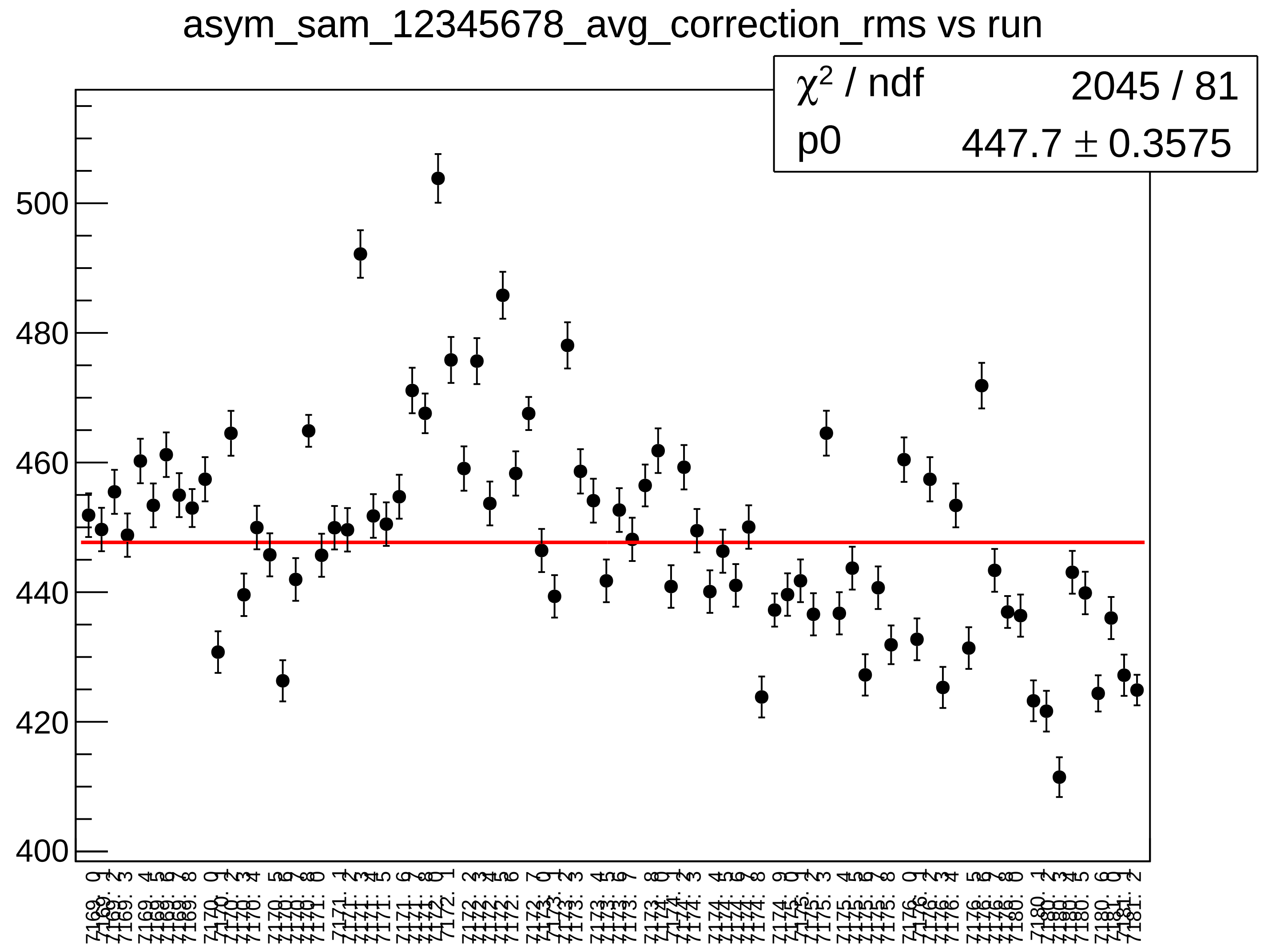


dit_asym_sam_12345678_avg_mean vs run
χ2 / ndf 88.73 / 81
p0 61.52 ± 68.45
pull
Entries 82
Mean −96.12
Std Dev 124.4
pull1D
Entries 82
Mean −0.01276
Std Dev 1.04

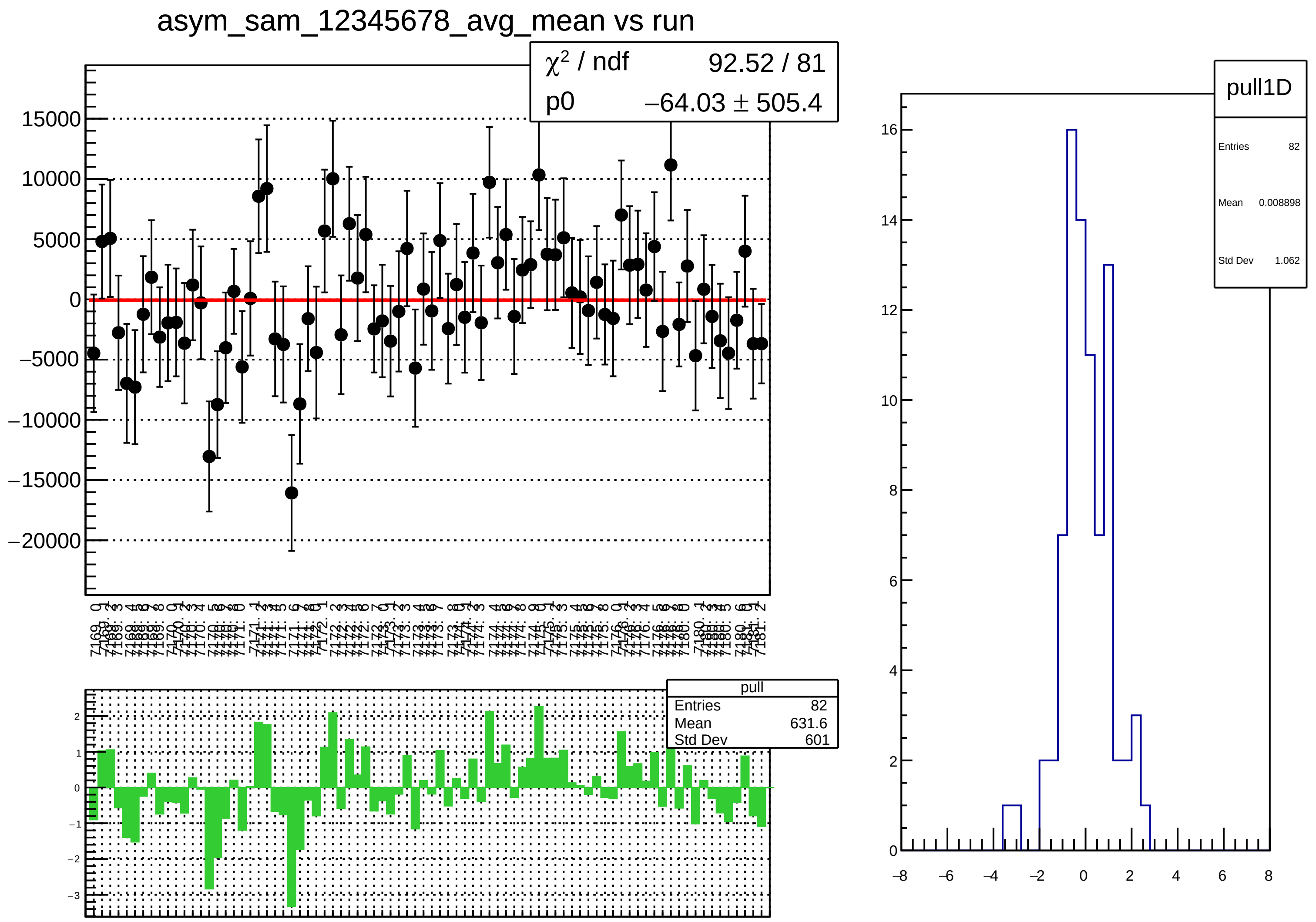

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 6401 / 81
p0 60.52 ± 0.0484
80
75
70
65
60
55



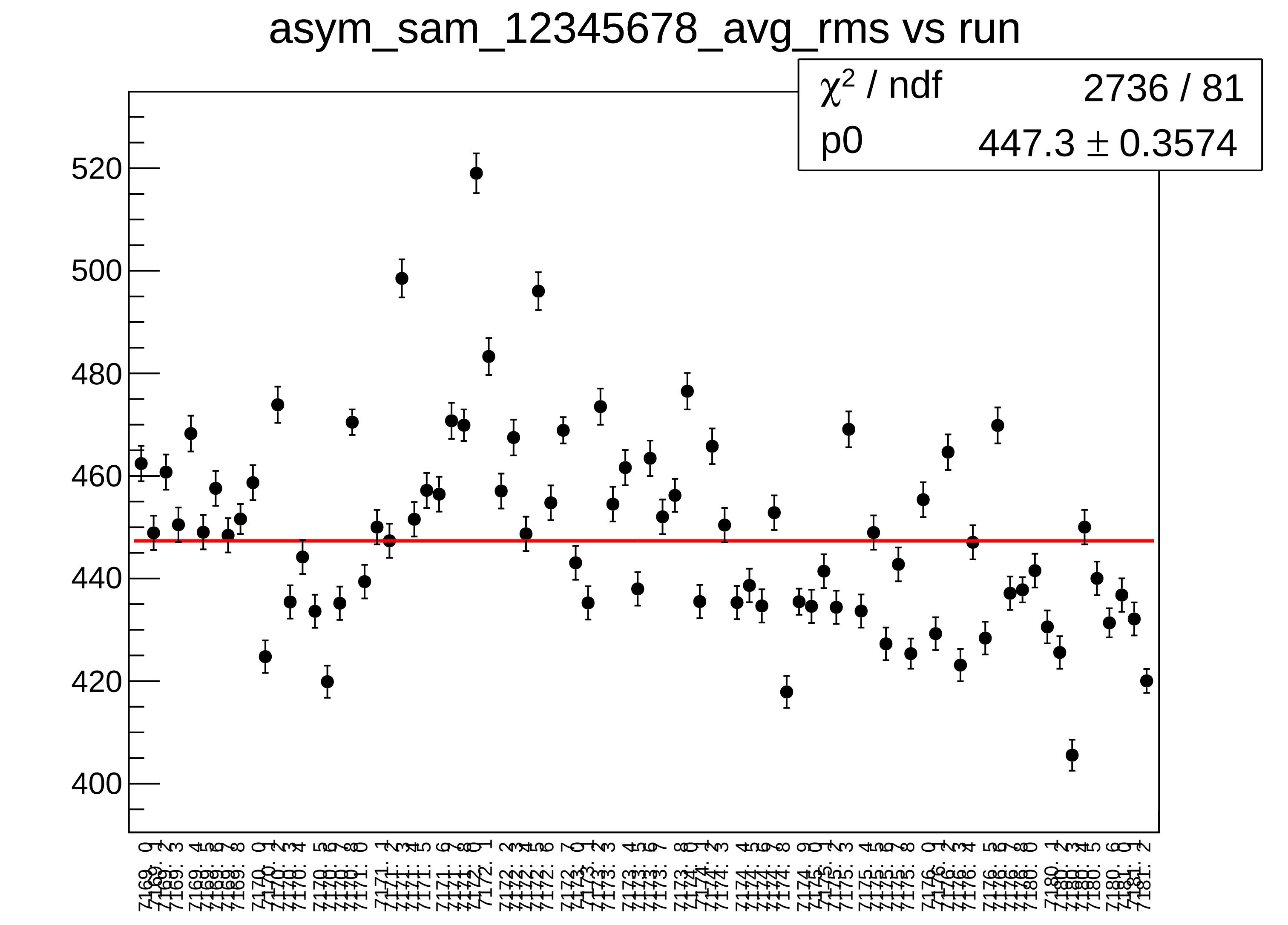
asym_sam_12345678_avg_correction_mean vs run
χ2 / ndf 90.78 / 81
p0 158.7 ± 505.6
pull
Entries 82
Mean 486.5
Std Dev 456.3
pull1D
Entries 82
Mean −0.01091
Std Dev 1.052

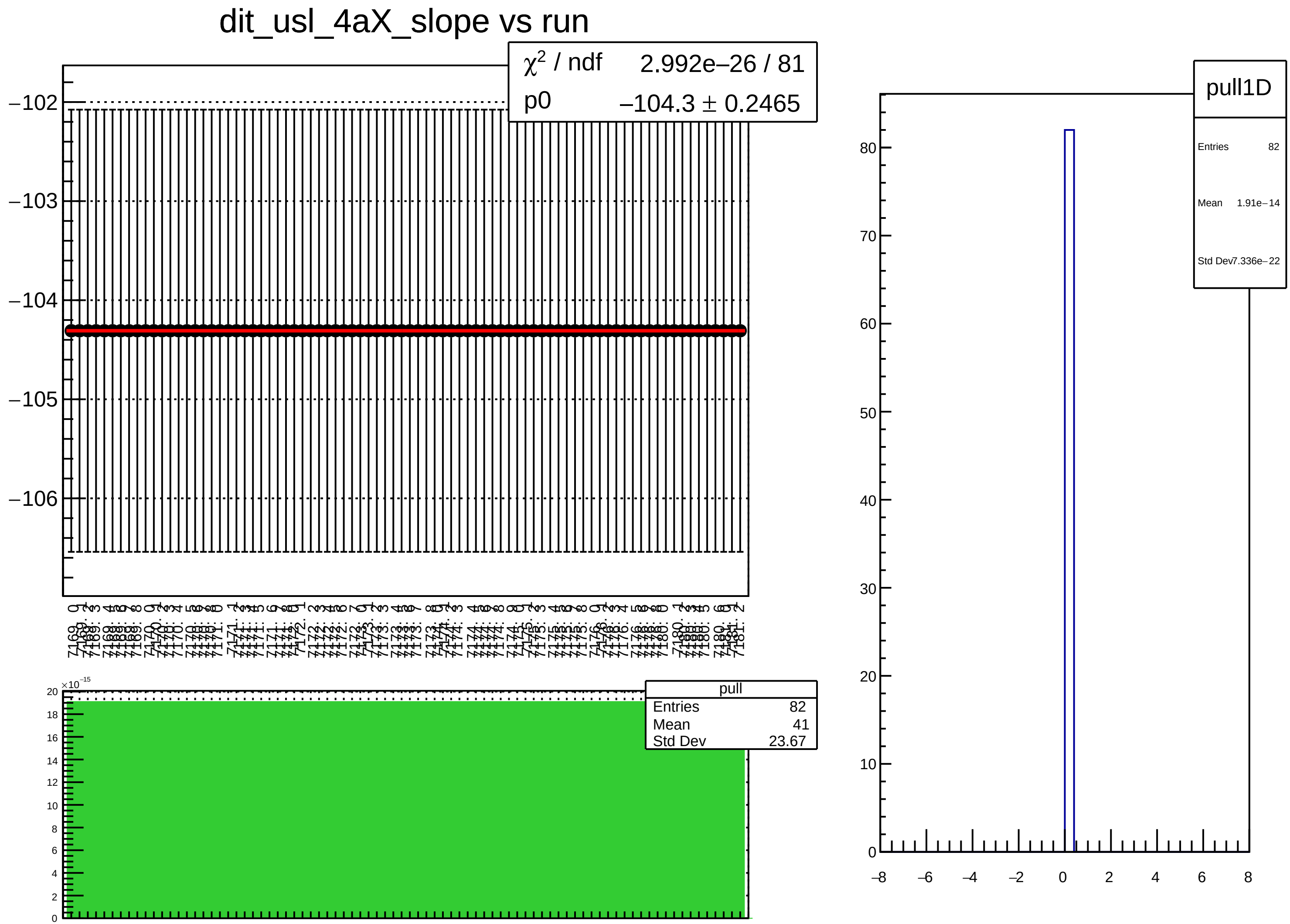


asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2045 / 81
p0 447.7 ± 0.3575
500
480
460
440
420
400

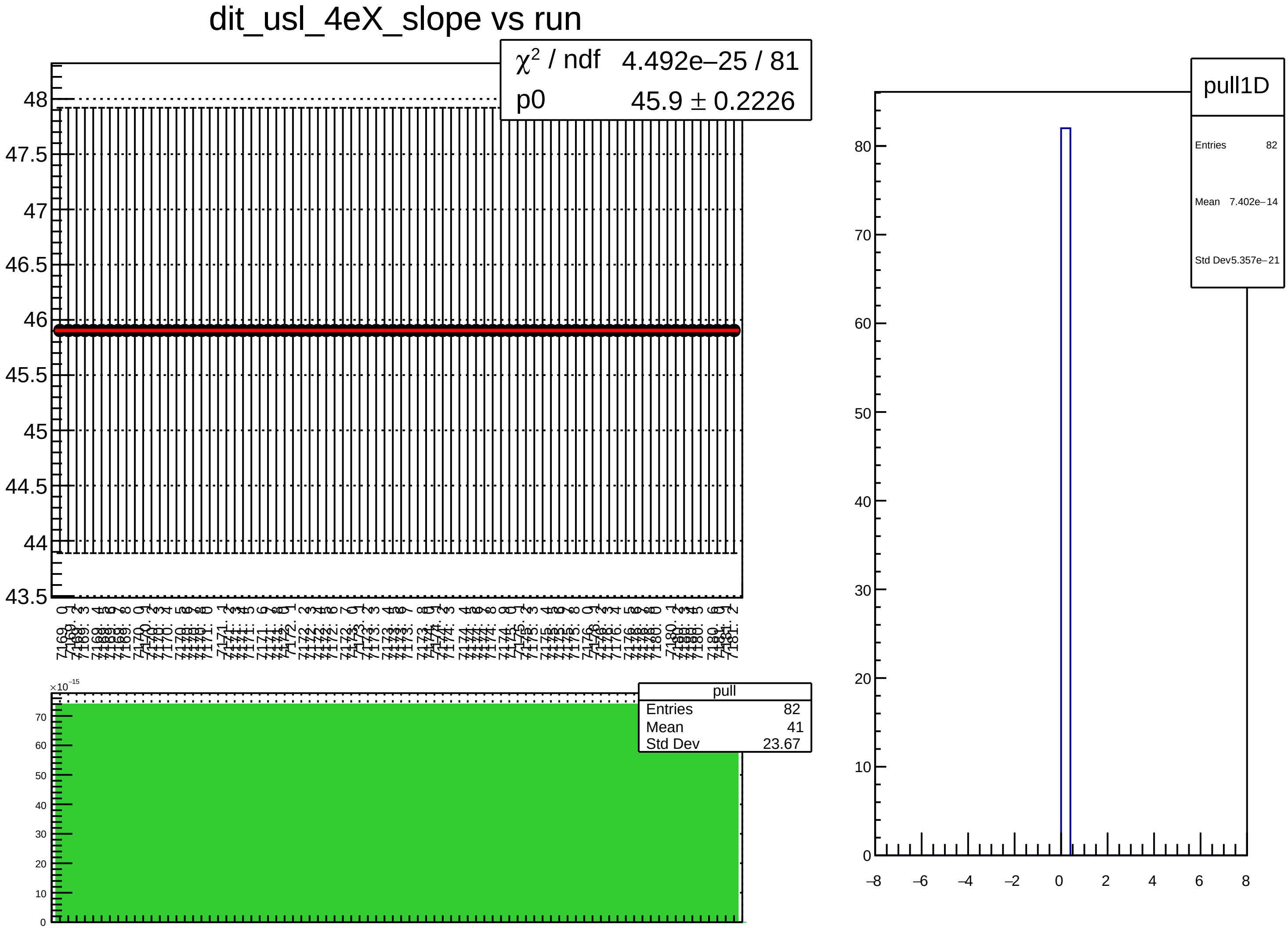


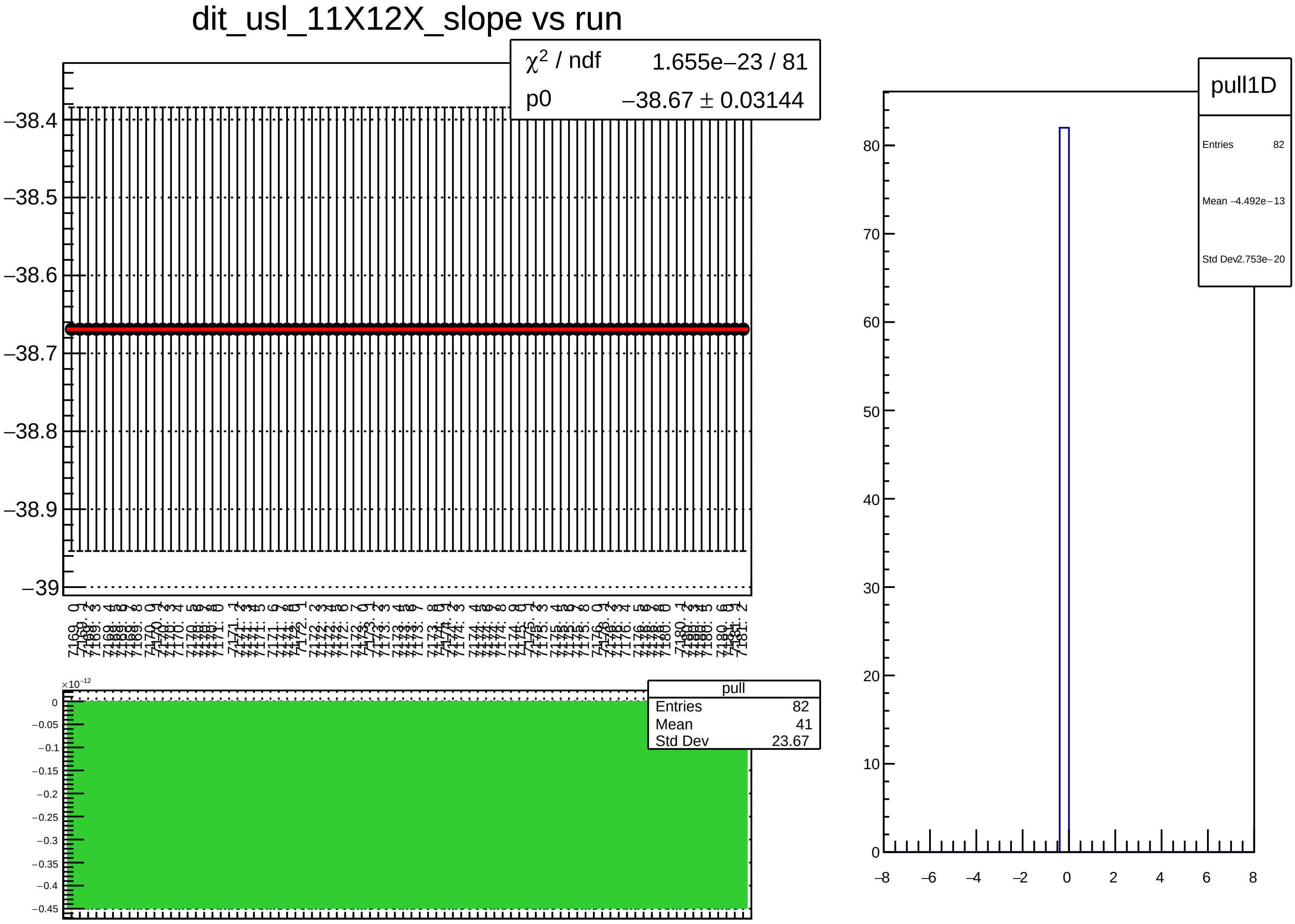
asym_sam_12345678_avg_mean vs run
χ^2 / ndf 92.52 / 81
p0 −64.03 ± 505.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean 631.6
Std Dev 601
pull1D
Entries 82
Mean 0.008898
Std Dev 1.062


asym_sam_12345678_avg_rms vs run
χ2 / ndf 2736 / 81
p0 447.3 ± 0.3574
520
500
480
460
440
420
400

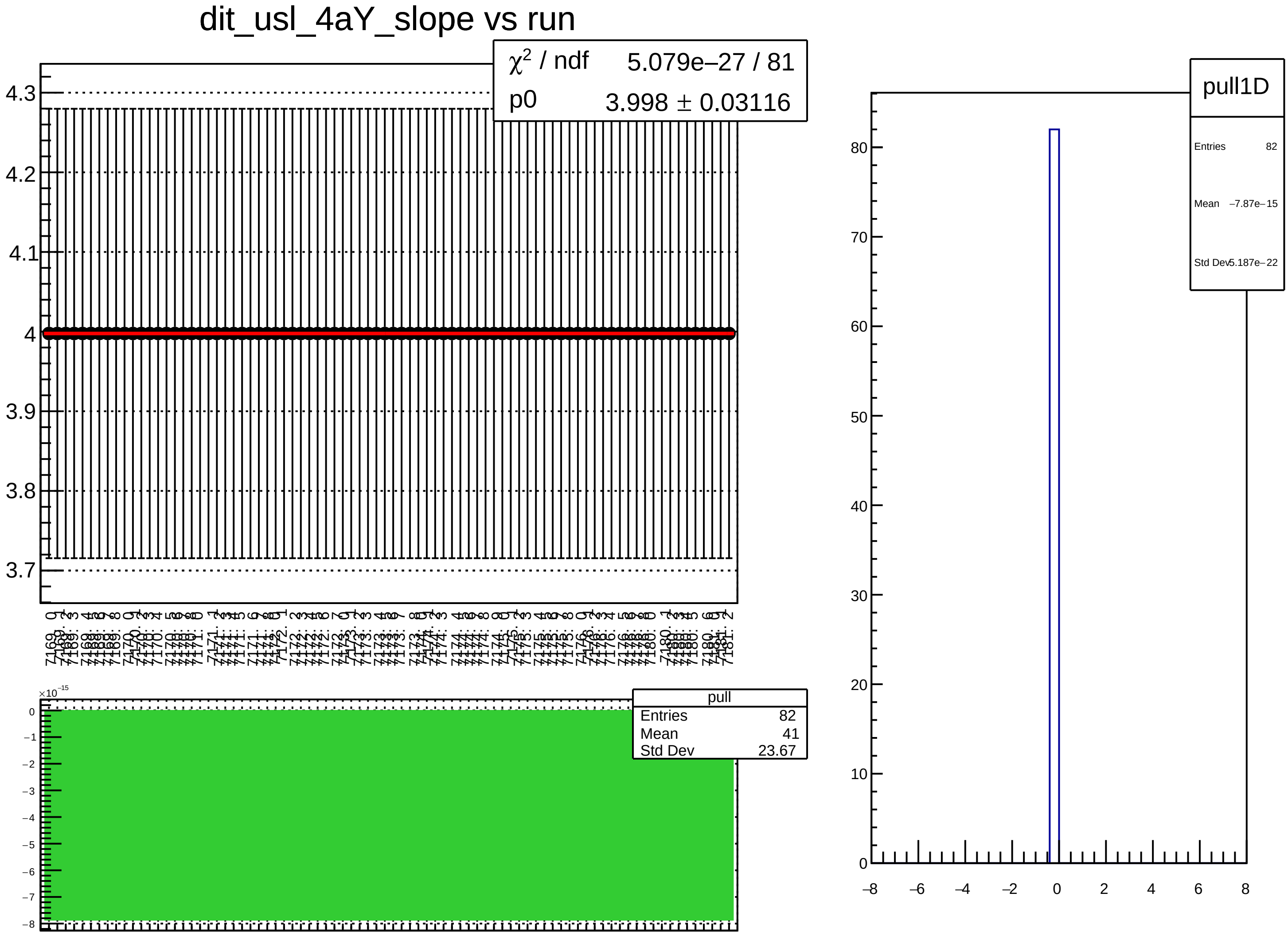


dit_usl_4aX_slope vs run
χ2 / ndf 2.992e−26 / 81
p0 −104.3 ± 0.2465
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.91e−14
Std Dev 7.336e−22

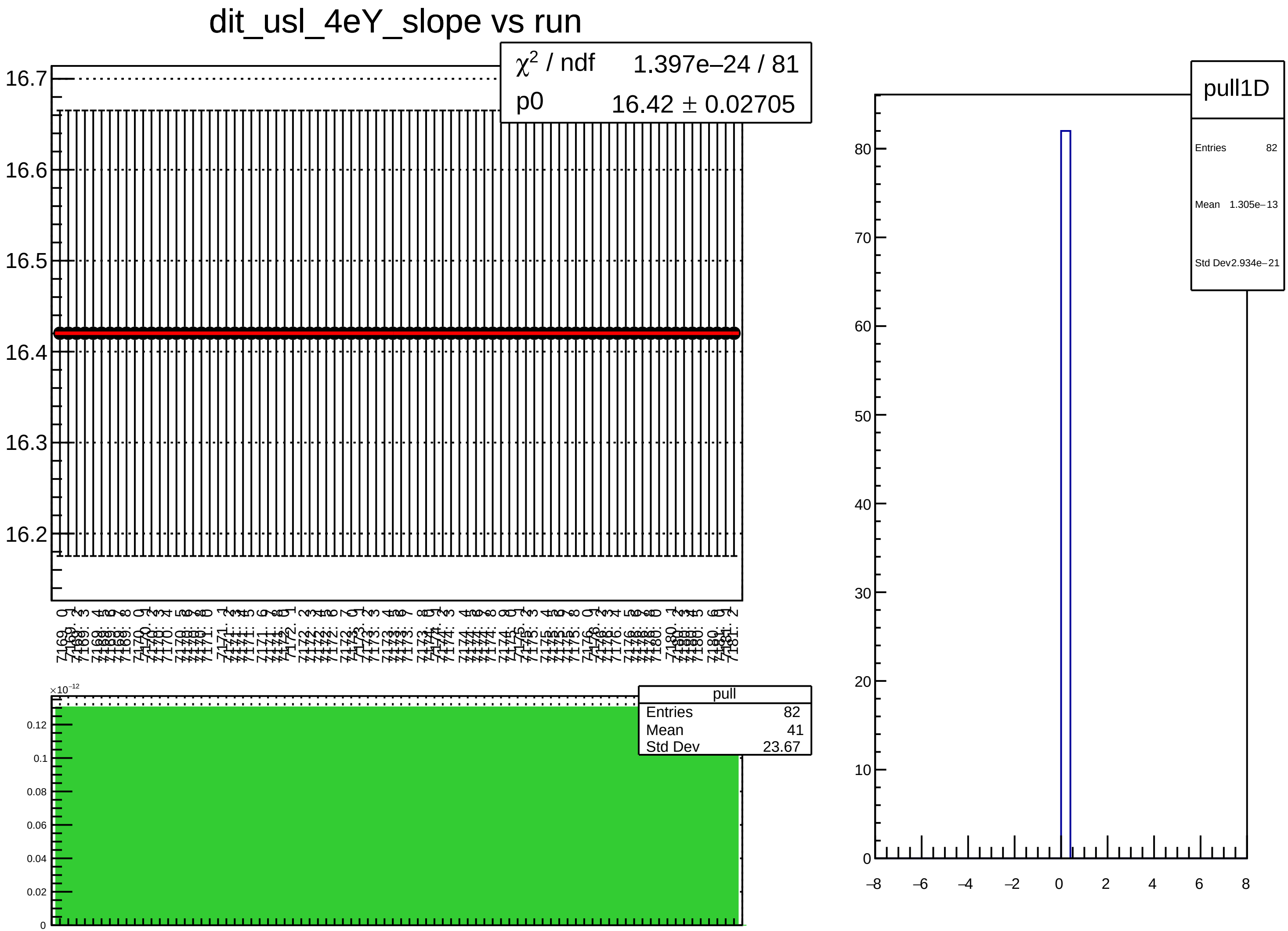

dit_usl_4eX_slope vs run
χ2 / ndf 4.492e−25 / 81
p0 45.9 ± 0.2226
48
47.5
47
46.5
46
45.5
45
44.5
44
43.5
×10−15
70
60
50
40
30
20
10
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.402e−14
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

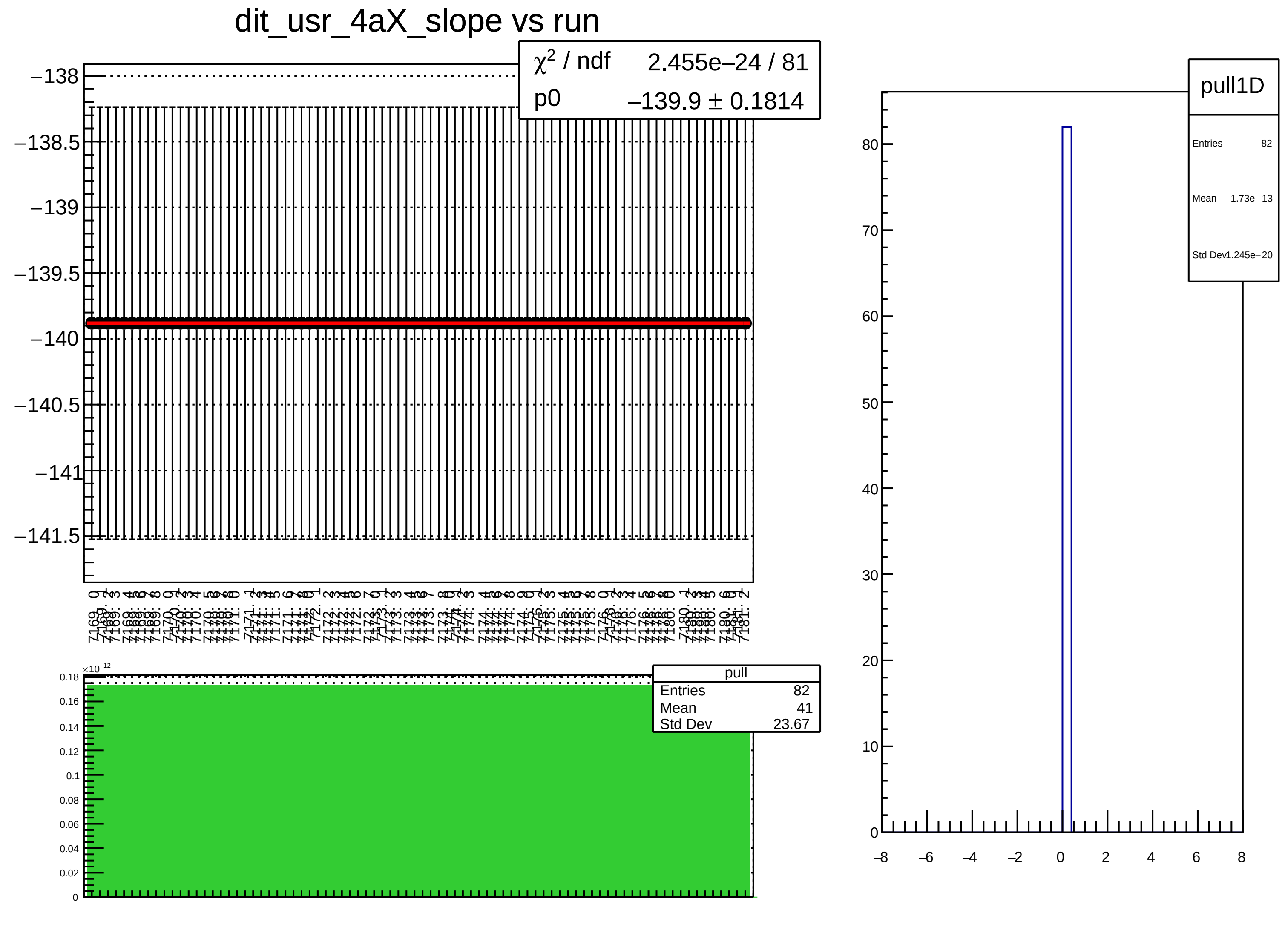


dit_usl_11X12X_slope vs run
χ^2 / ndf 1.655e−23 / 81
p0 −38.67 ± 0.03144
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.492e−13
Std Dev 2.753e−20

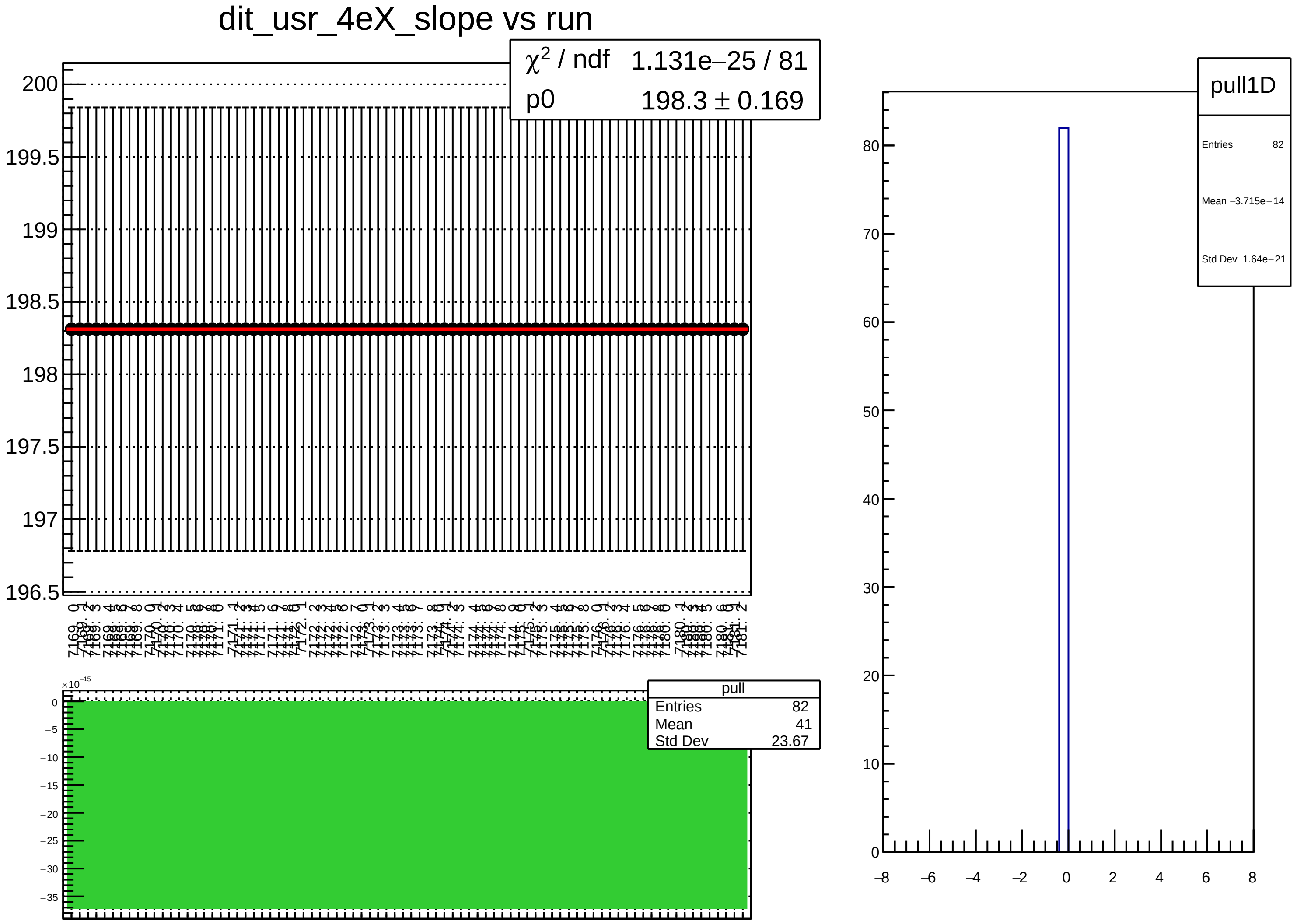


dit_usl_4aY_slope vs run
χ^2 / ndf 5.079e−27 / 81
p0 3.998 ± 0.03116
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.87e−15
Std Dev 5.187e−22


dit_usl_4eY_slope vs run
χ^2 / ndf 1.397e−24 / 81
p0 16.42 ± 0.02705
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.305e−13
Std Dev 2.934e−21

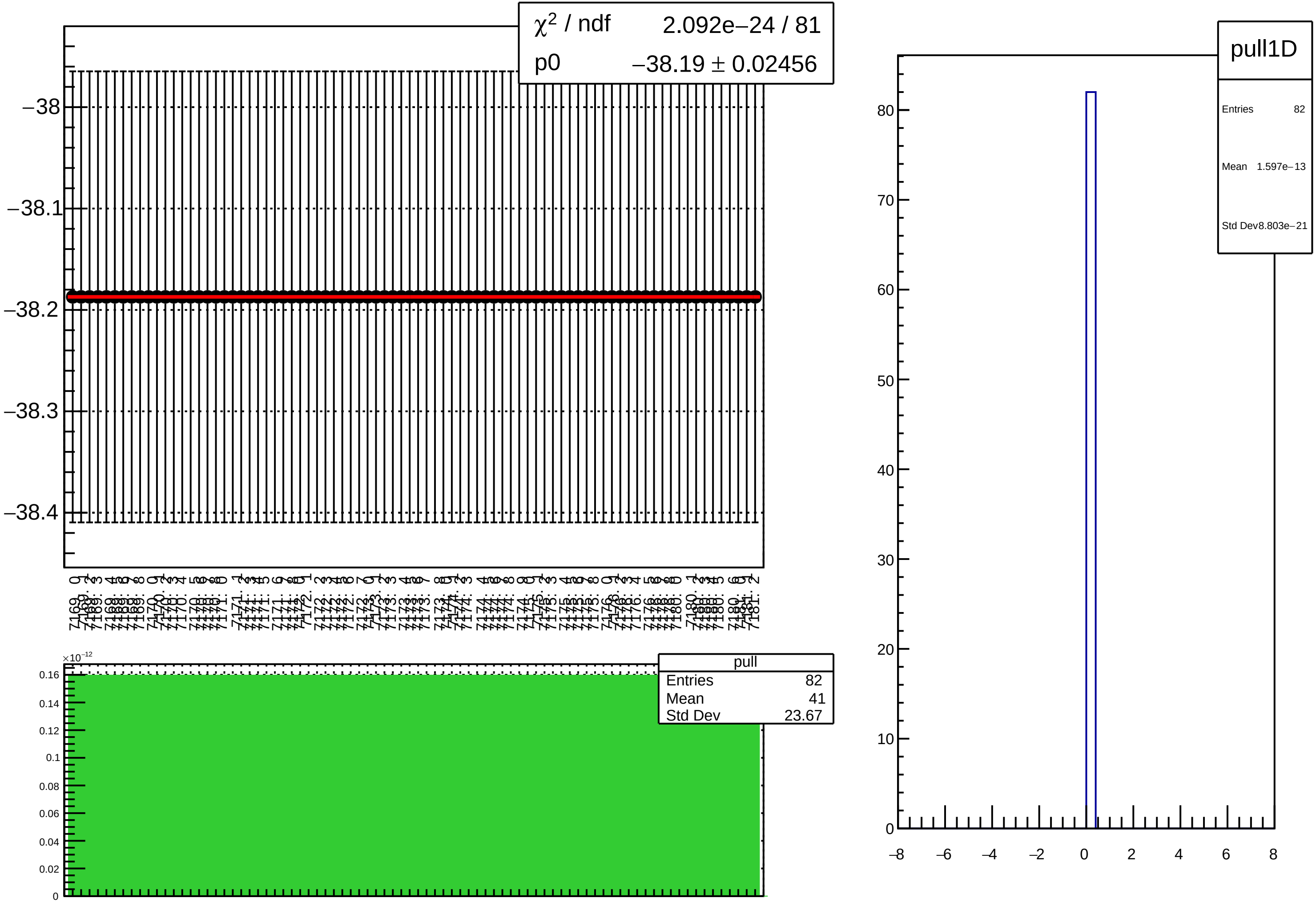


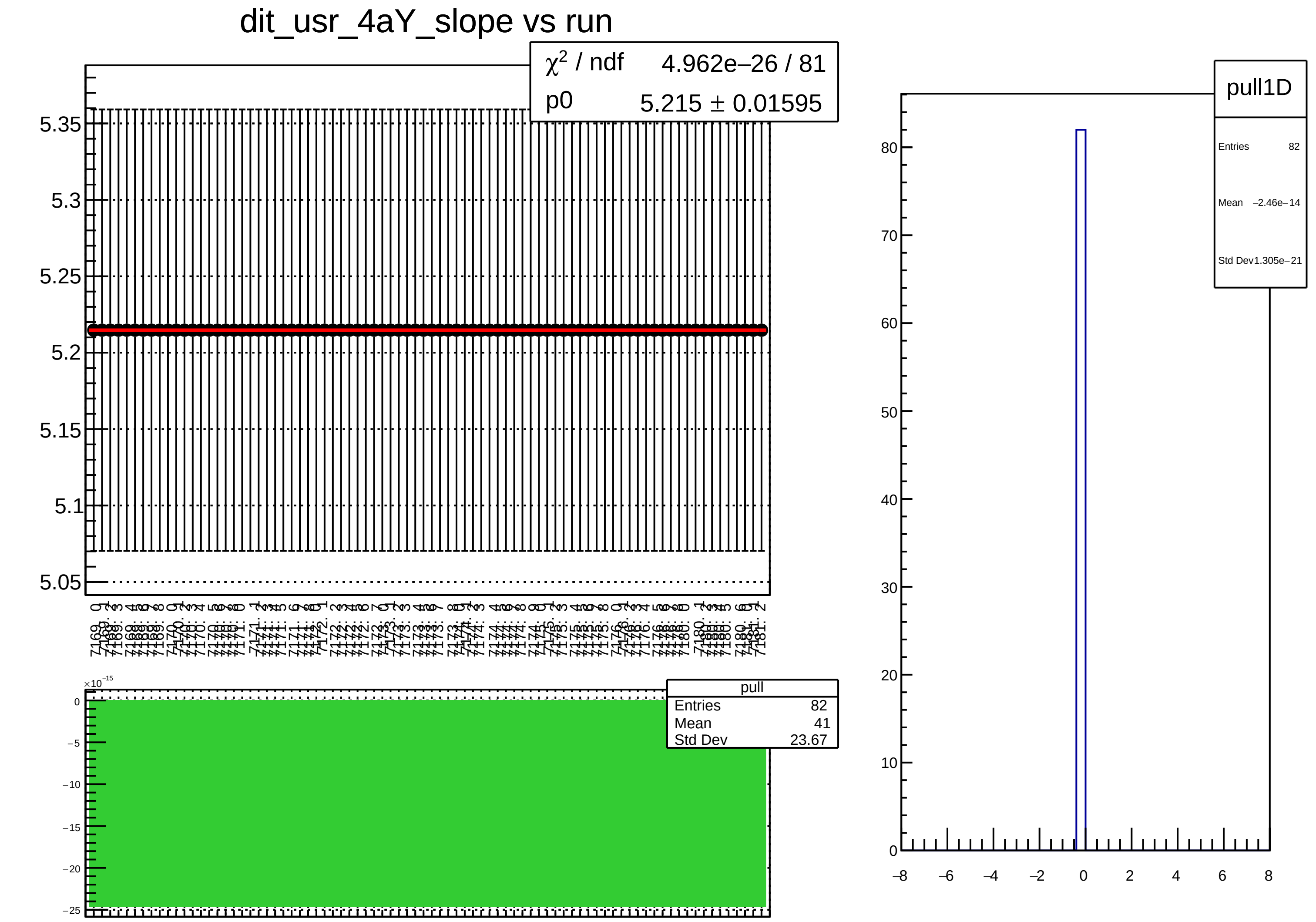
dit_usr_4aX_slope vs run
χ^2 / ndf 2.455e−24 / 81
p0 −139.9 ± 0.1814
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.73e−13
Std Dev 1.245e−20

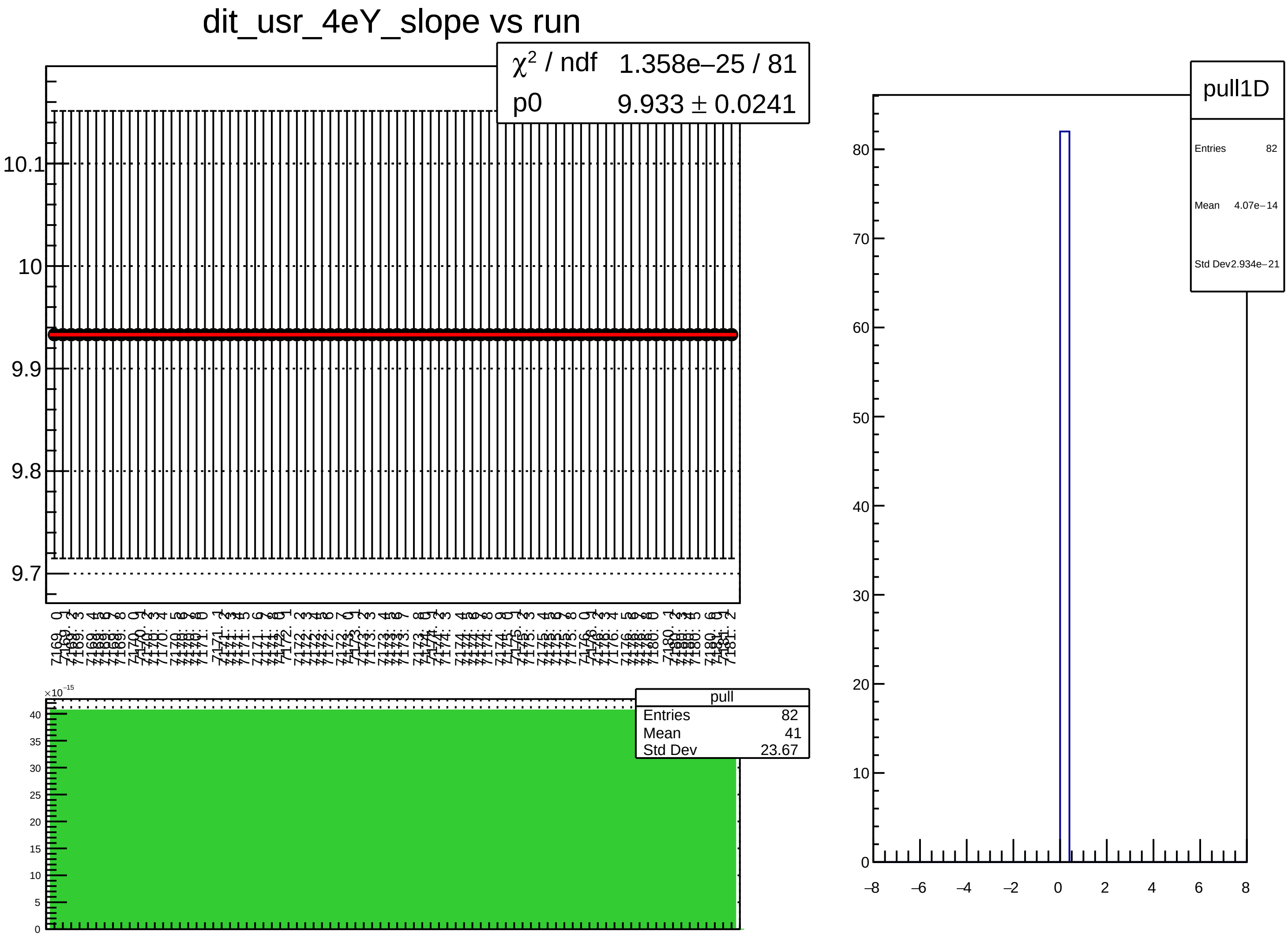


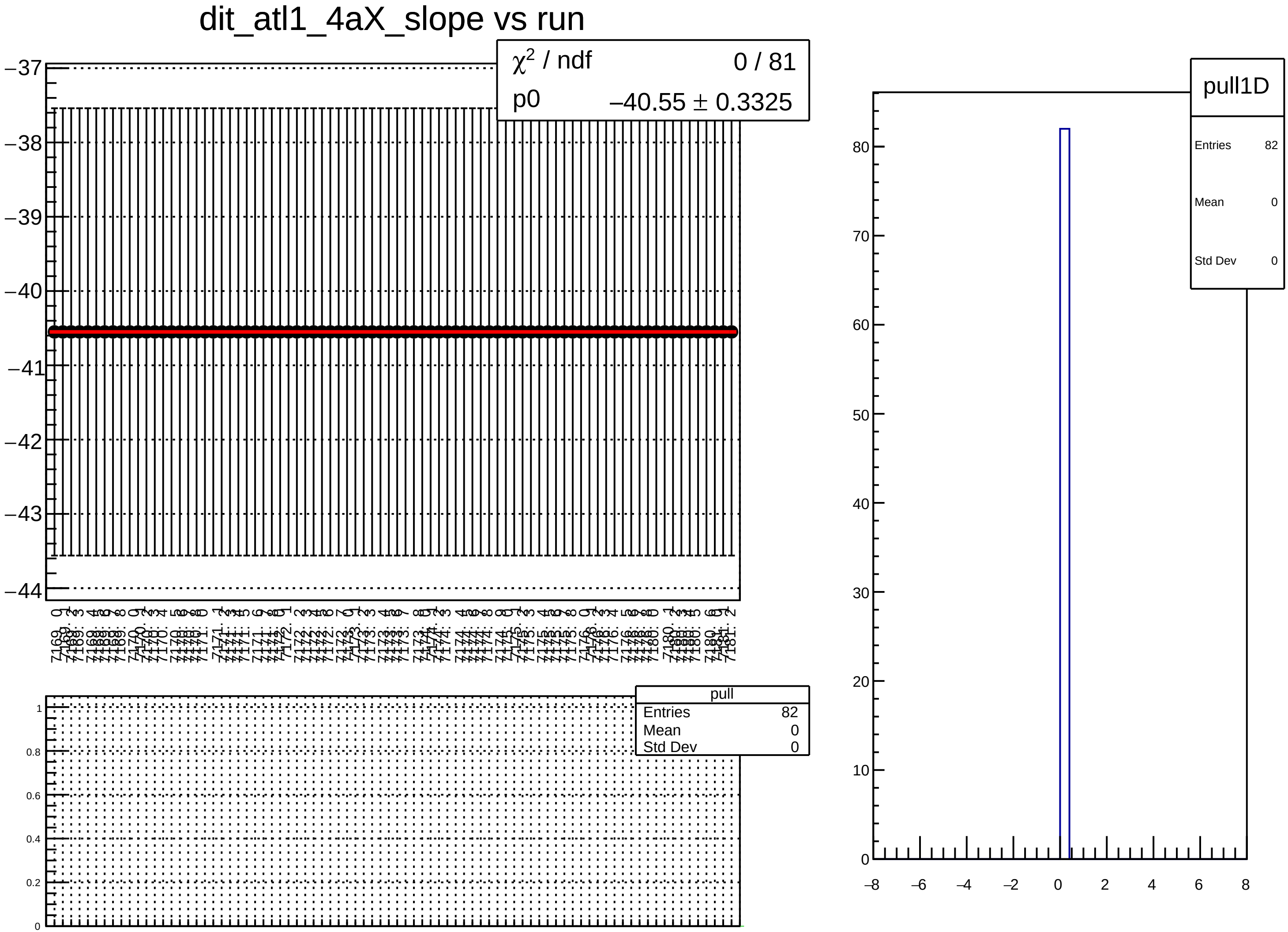
dit_usr_4eX_slope vs run
χ^2 / ndf 1.131e−25 / 81
p0 198.3 ± 0.169
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.715e−14
Std Dev 1.64e−21

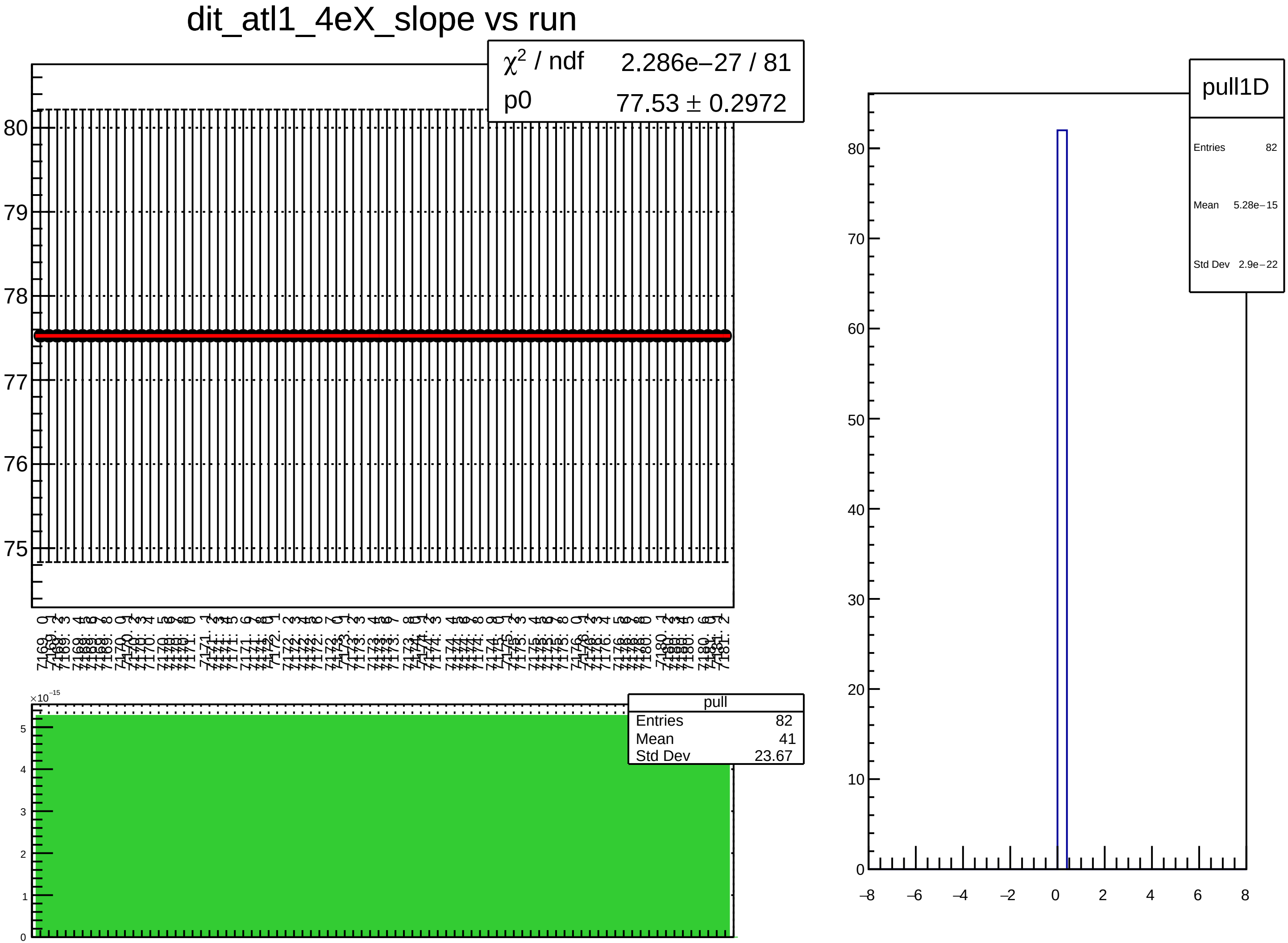
dit_usr_11X12X_slope vs run



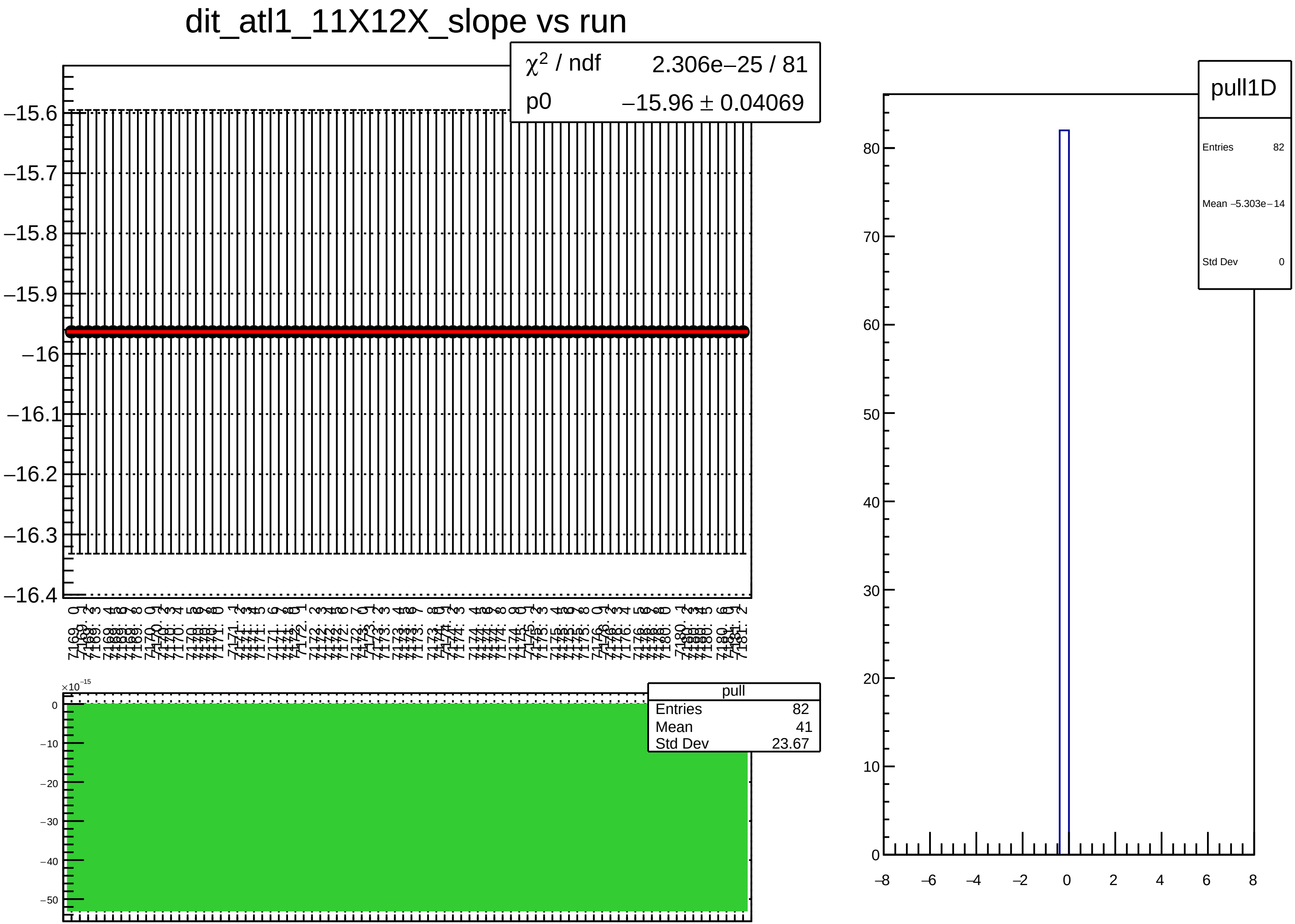

dit_usr_4aY_slope vs run
χ2 / ndf 4.962e−26 / 81
p0 5.215 ± 0.01595
5.35
5.3
5.25
5.2
5.15
5.1
5.05
×10−15
0
−5
−10
−15
−20
−25
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.46e−14
Std Dev 1.305e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_4eY_slope vs run
χ^2 / ndf 1.358e−25 / 81
p0 9.933 ± 0.0241
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.07e−14
Std Dev 2.934e−21

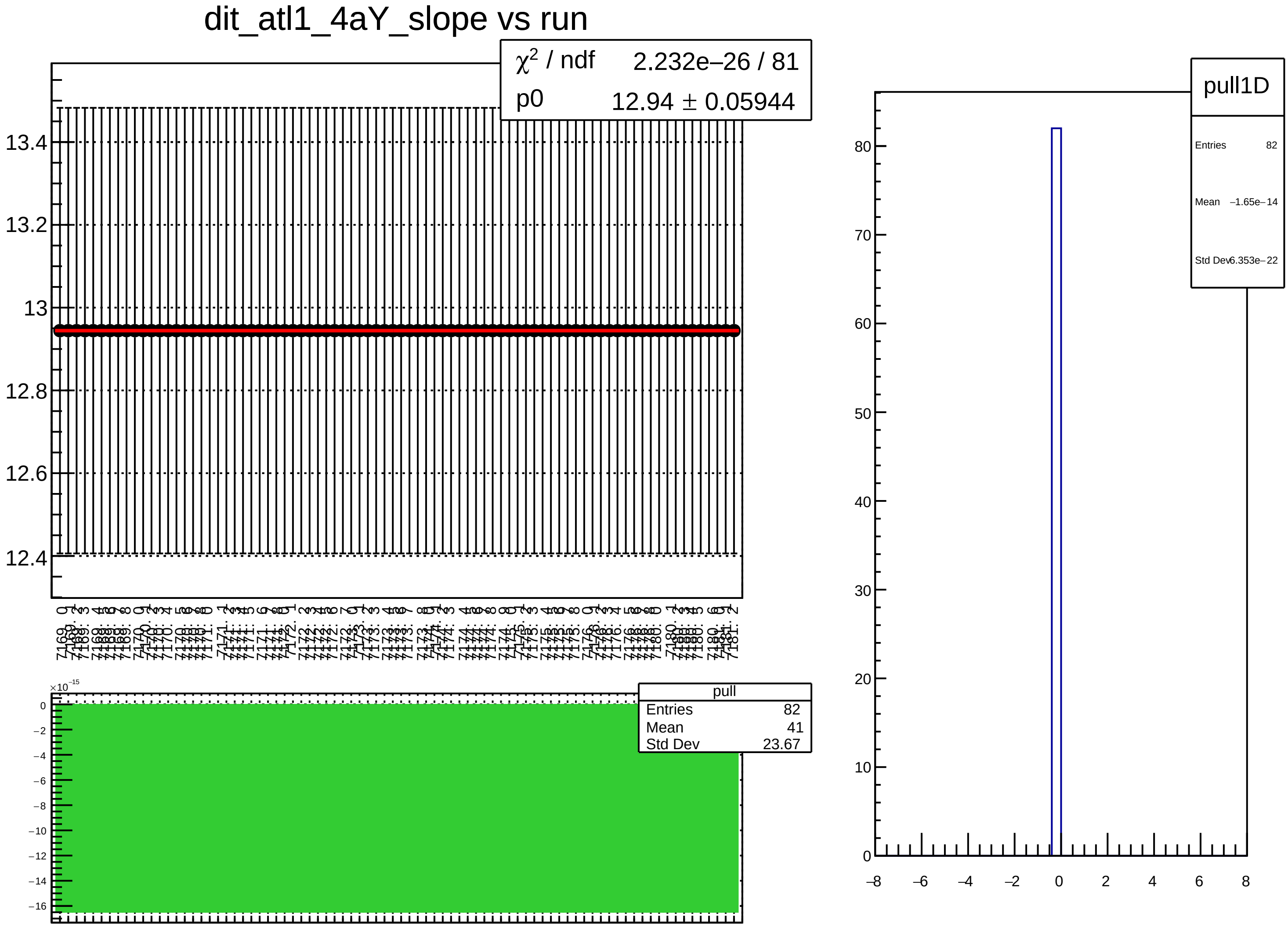

dit_atl1_4aX_slope vs run
χ² / ndf 0 / 81
p0 −40.55 ± 0.3325
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0



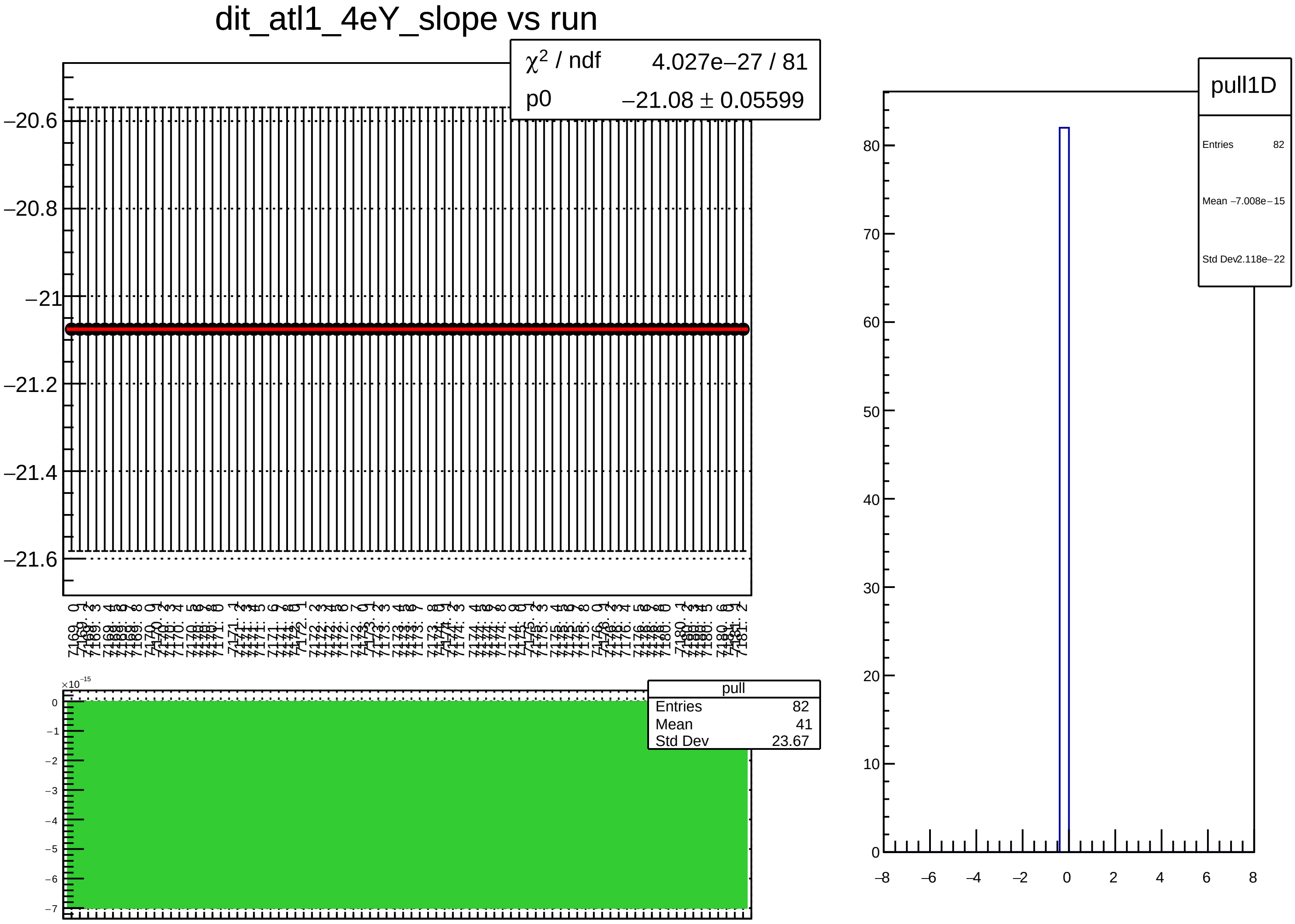
dit_atl1_4eX_slope vs run
χ2 / ndf 2.286e−27 / 81
p0 77.53 ± 0.2972
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.28e−15
Std Dev 2.9e−22

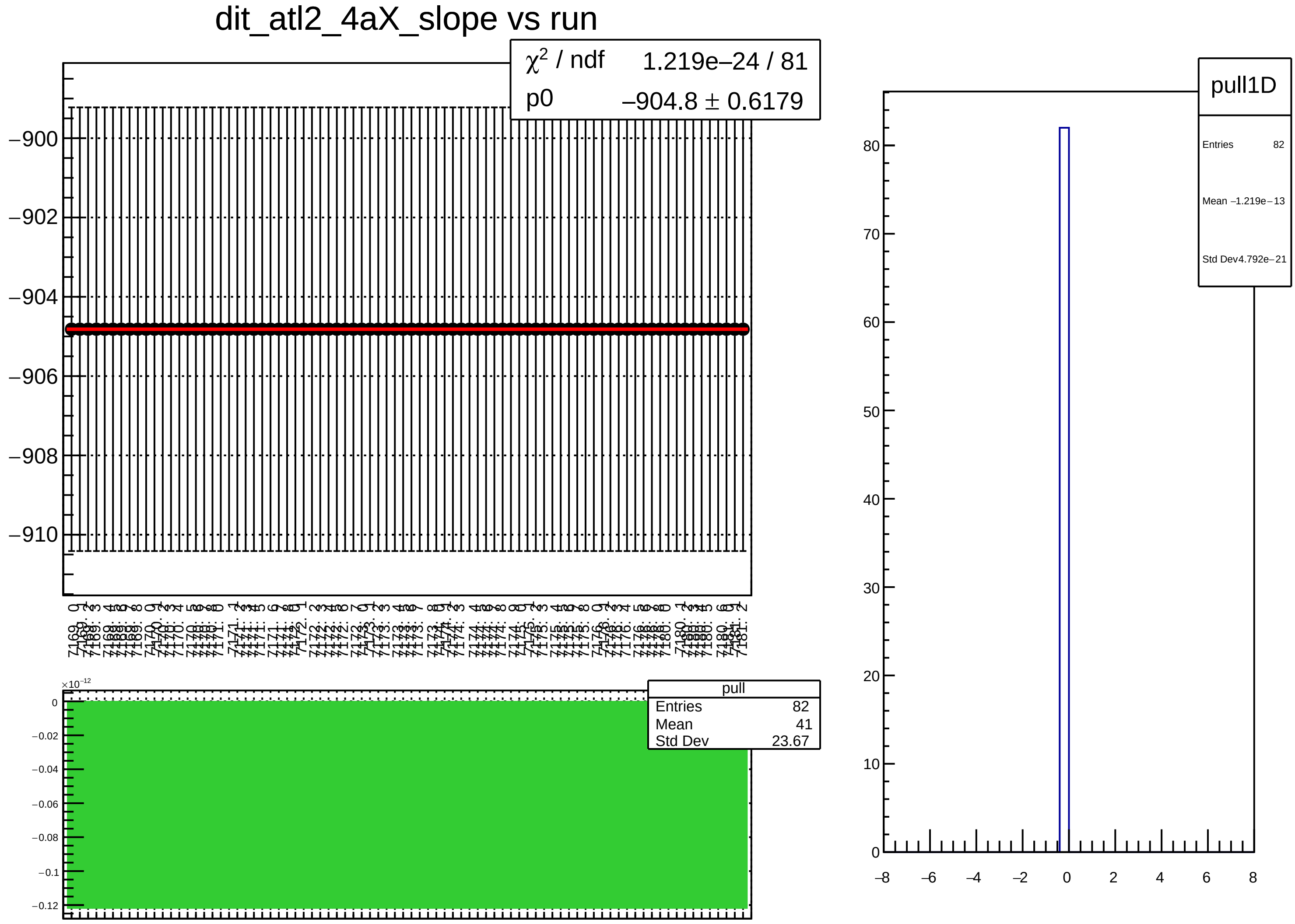


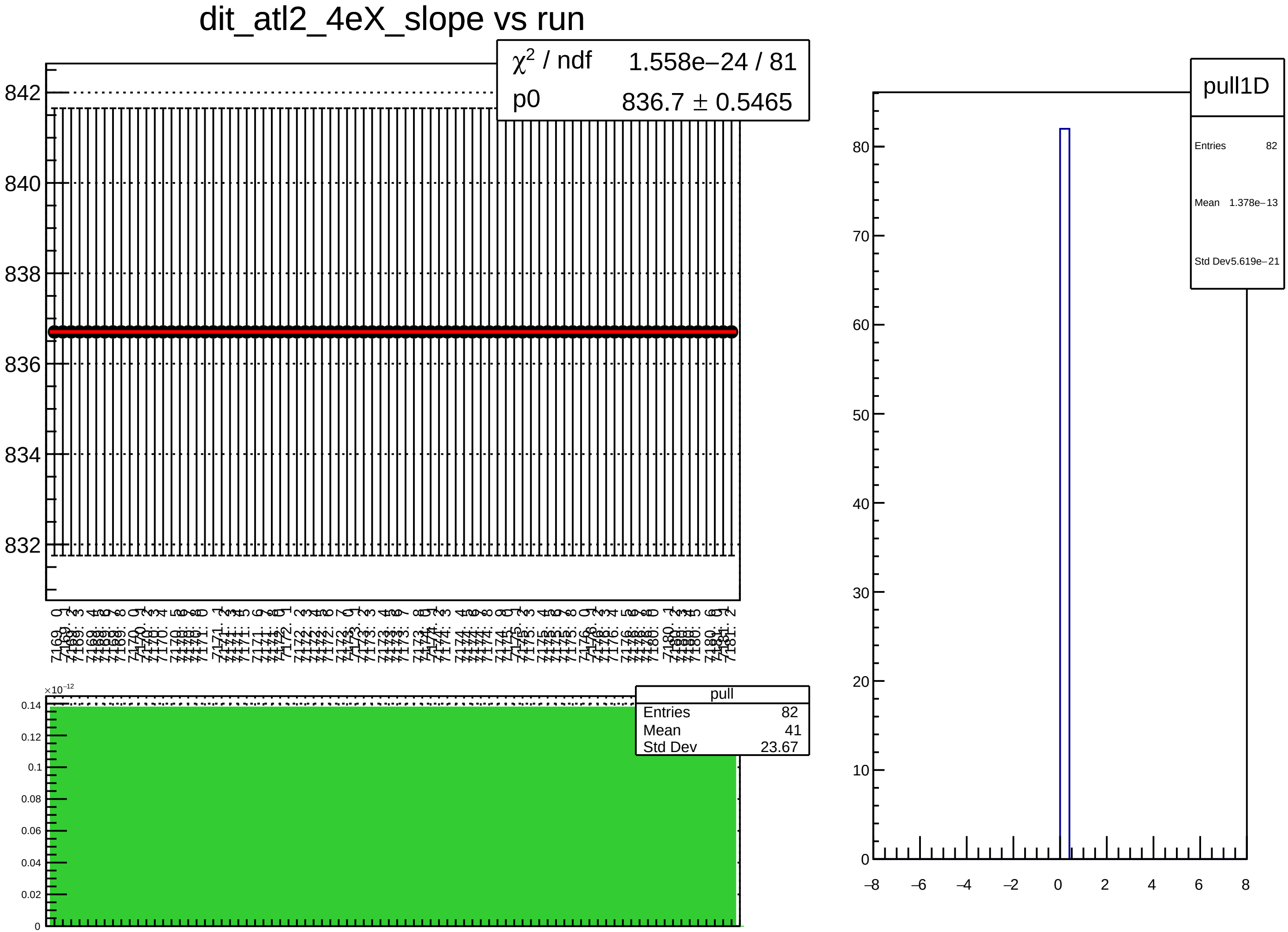
dit_atl1_11X12X_slope vs run
χ2 / ndf 2.306e−25 / 81
p0 −15.96 ± 0.04069
−15.6
−15.7
−15.8
−15.9
−16
−16.1
−16.2
−16.3
−16.4
×10−15
0
−10
−20
−30
−40
−50
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.303e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

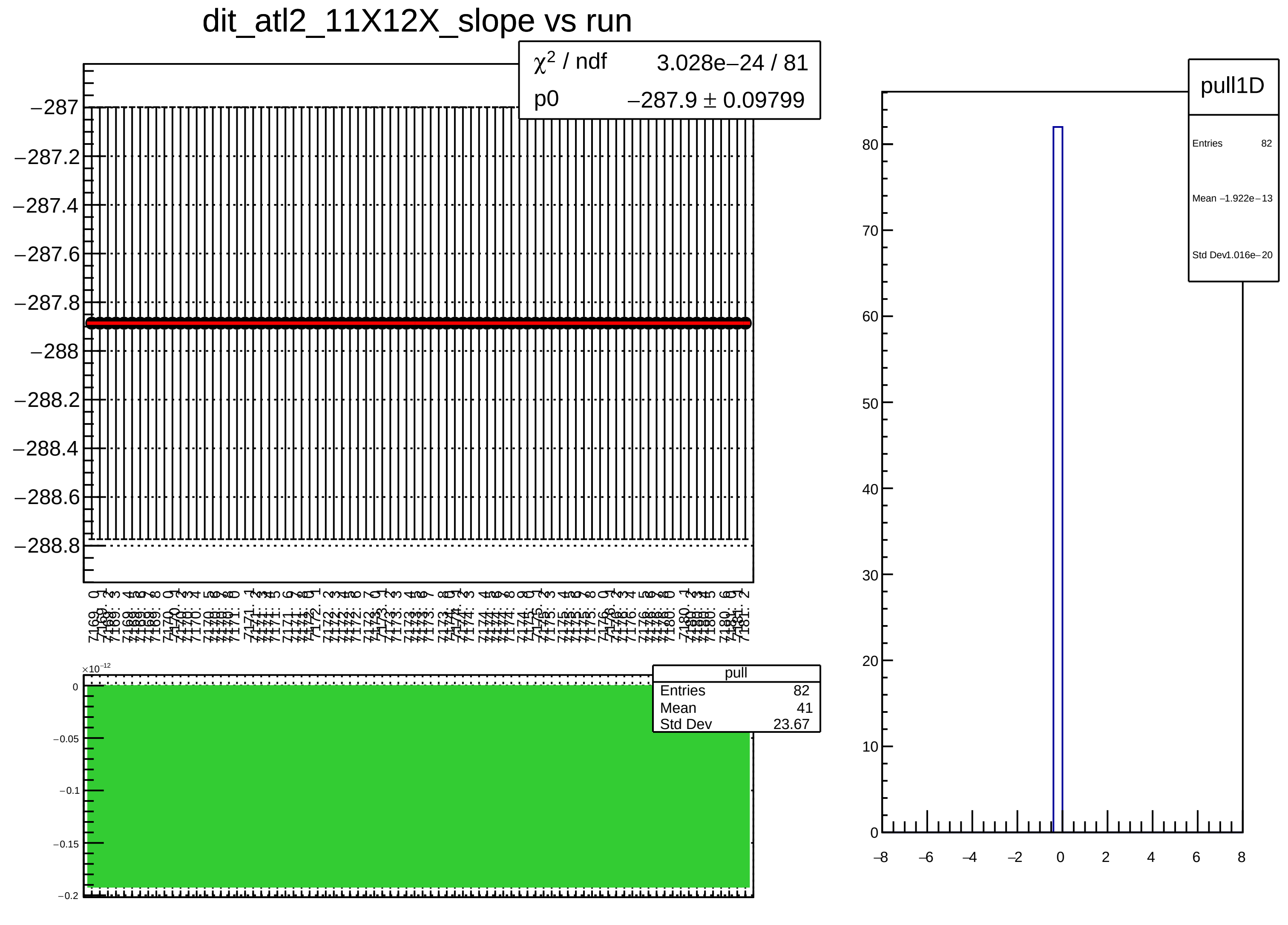


dit_atl1_4aY_slope vs run
χ^2 / ndf 2.232e−26 / 81
p0 12.94 ± 0.05944
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.65e−14
Std Dev 6.353e−22

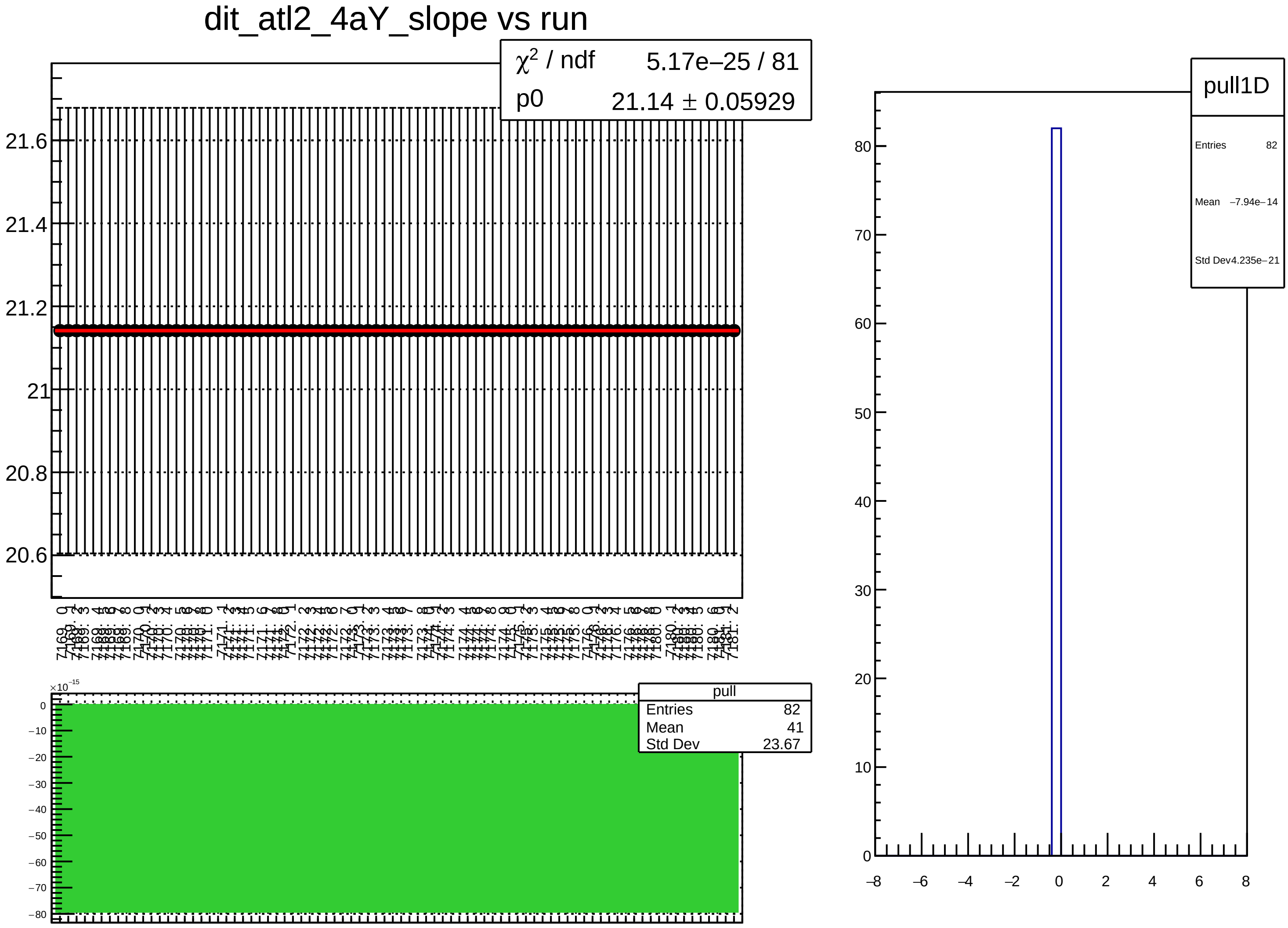

dit_atl1_4eY_slope vs run
χ^2 / ndf 4.027e−27 / 81
p0 −21.08 ± 0.05599
−20.6
−20.8
−21
−21.2
−21.4
−21.6
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.008e−15
Std Dev2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4aX_slope vs run
χ2 / ndf 1.219e−24 / 81
p0 −904.8 ± 0.6179
−900
−902
−904
−906
−908
−910
×10−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.219e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

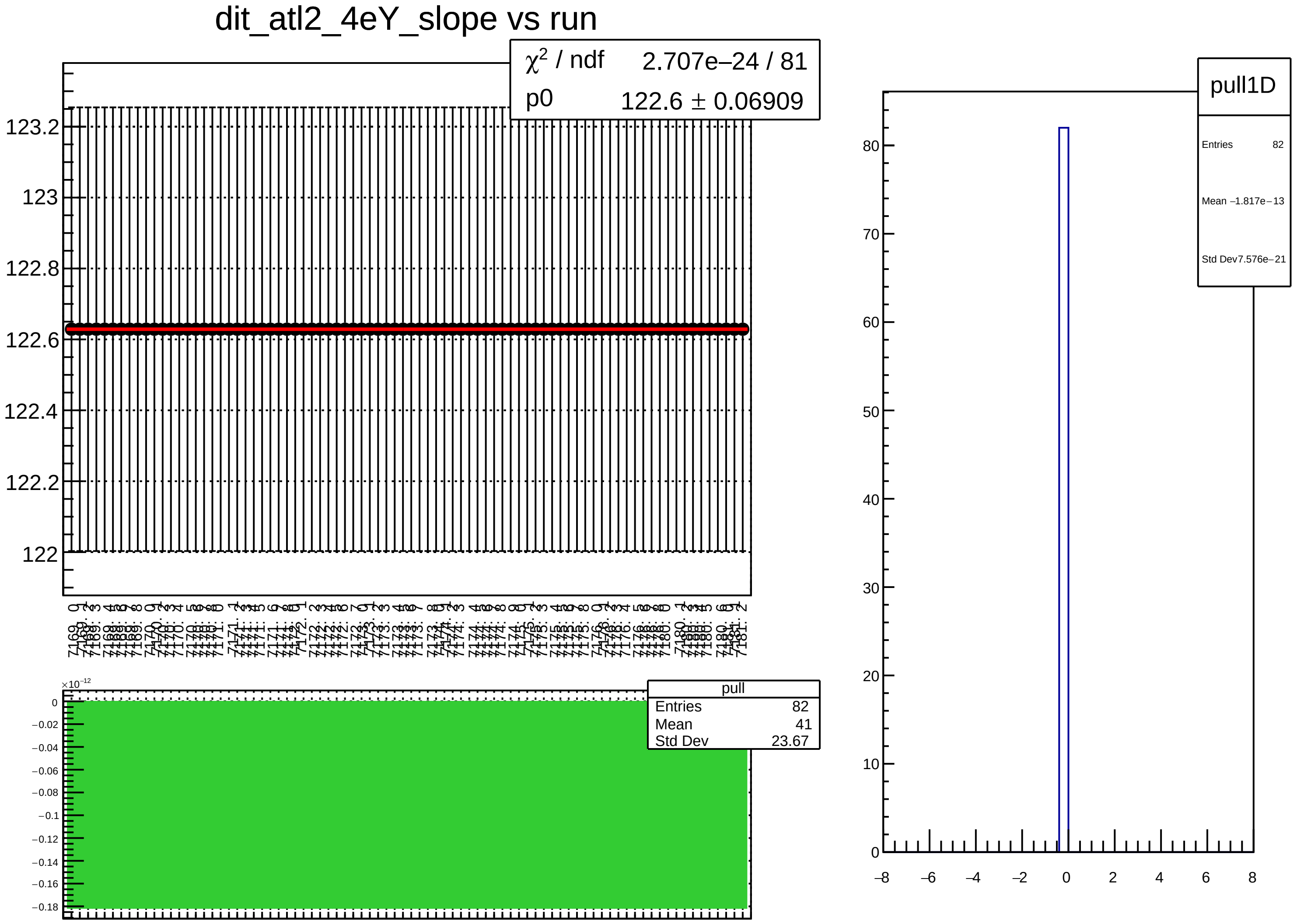

dit_atl2_4eX_slope vs run
χ2 / ndf 1.558e−24 / 81
p0 836.7 ± 0.5465
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.378e−13
Std Dev5.619e−21



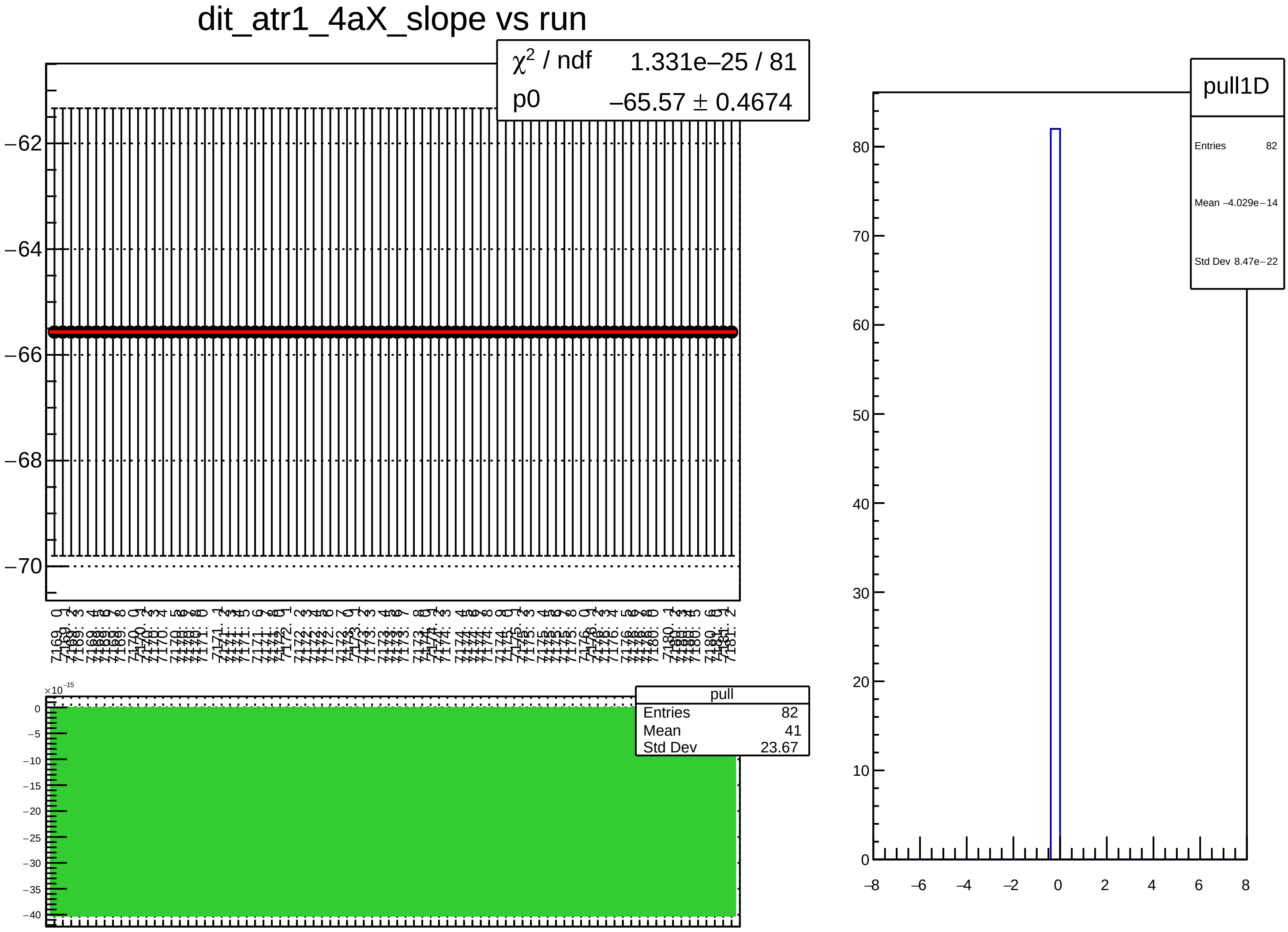
dit_atl2_11X12X_slope vs run
χ2 / ndf 3.028e−24 / 81
p0 −287.9 ± 0.09799
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.922e−13
Std Dev1.016e−20



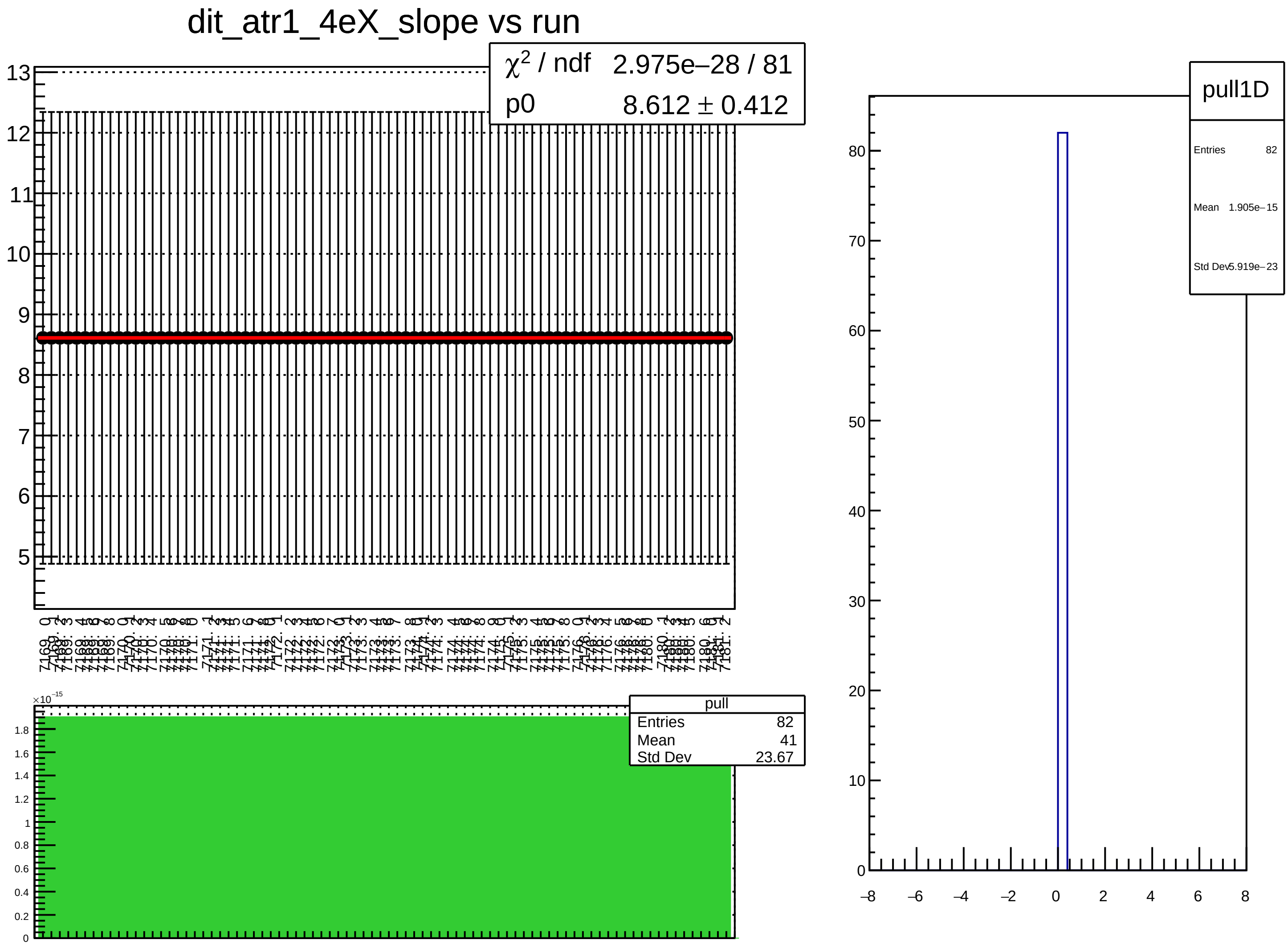
dit_atl2_4aY_slope vs run
χ^2 / ndf 5.17e−25 / 81
p0 21.14 ± 0.05929
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.94e−14
Std Dev 4.235e−21



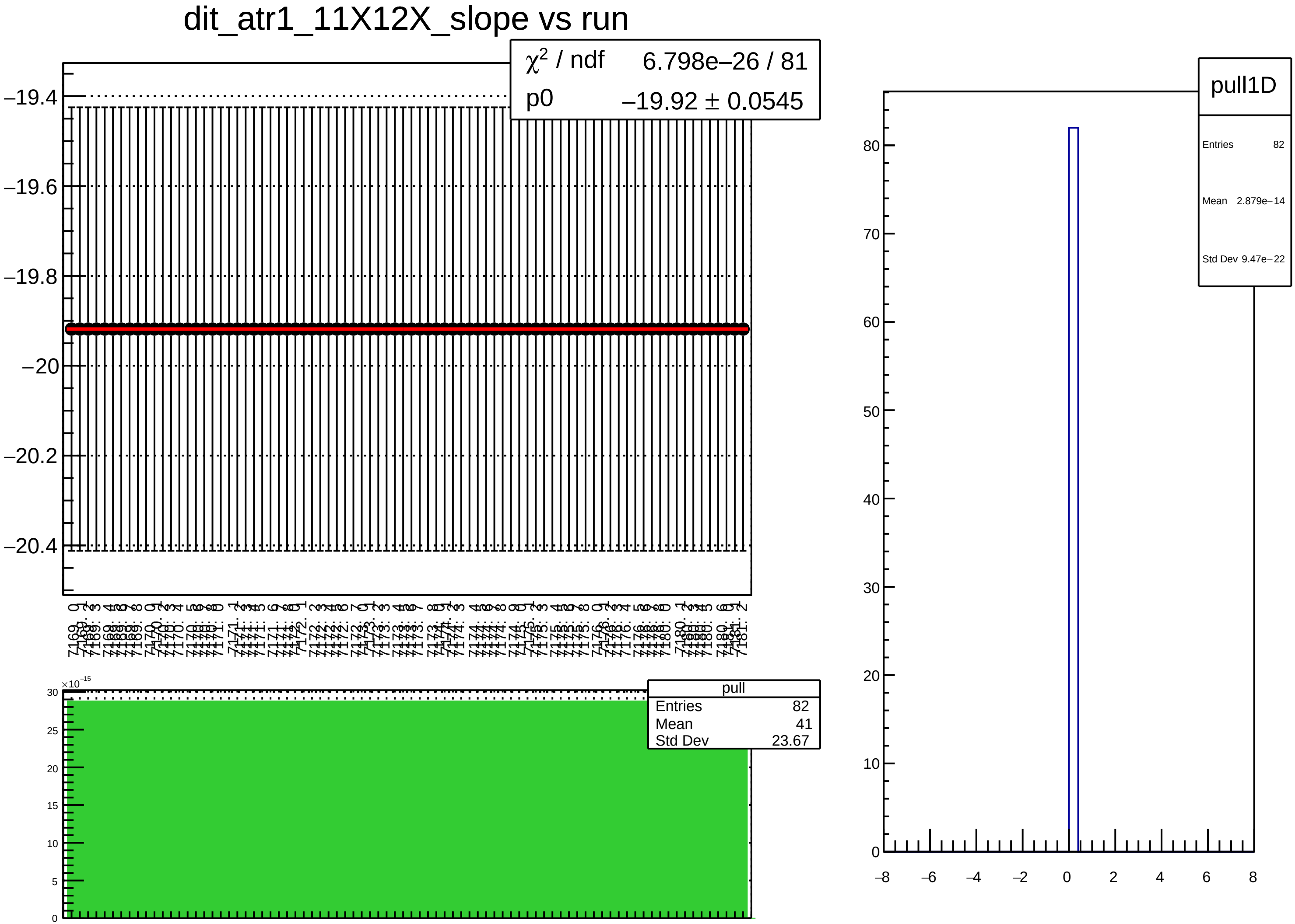
dit_atl2_4eY_slope vs run
χ^2 / ndf 2.707e−24 / 81
p0 122.6 ± 0.06909
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.817e−13
Std Dev 7.576e−21



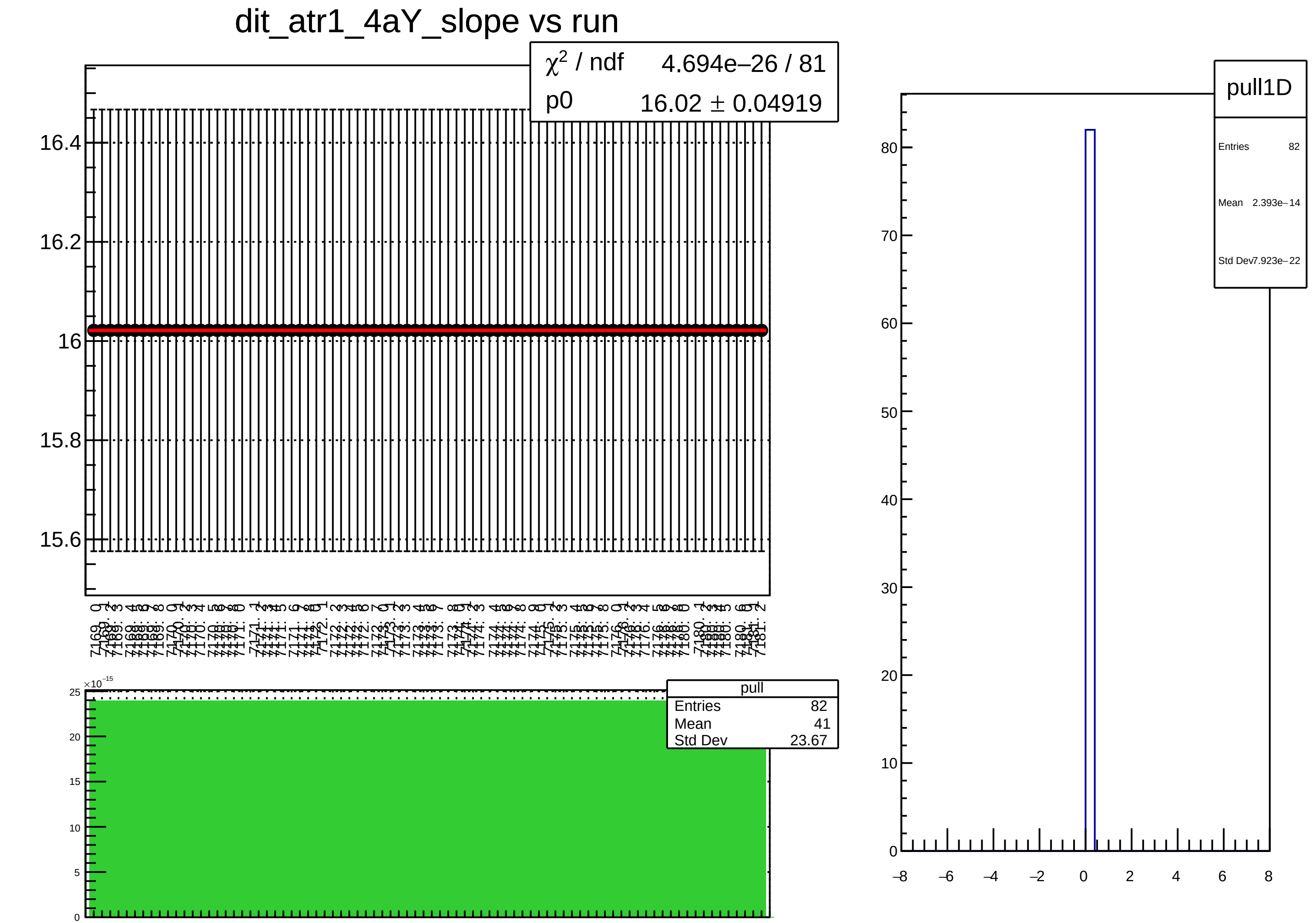
dit_atr1_4aX_slope vs run
χ^2 / ndf 1.331e−25 / 81
p0 −65.57 ± 0.4674
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.029e−14
Std Dev 8.47e−22



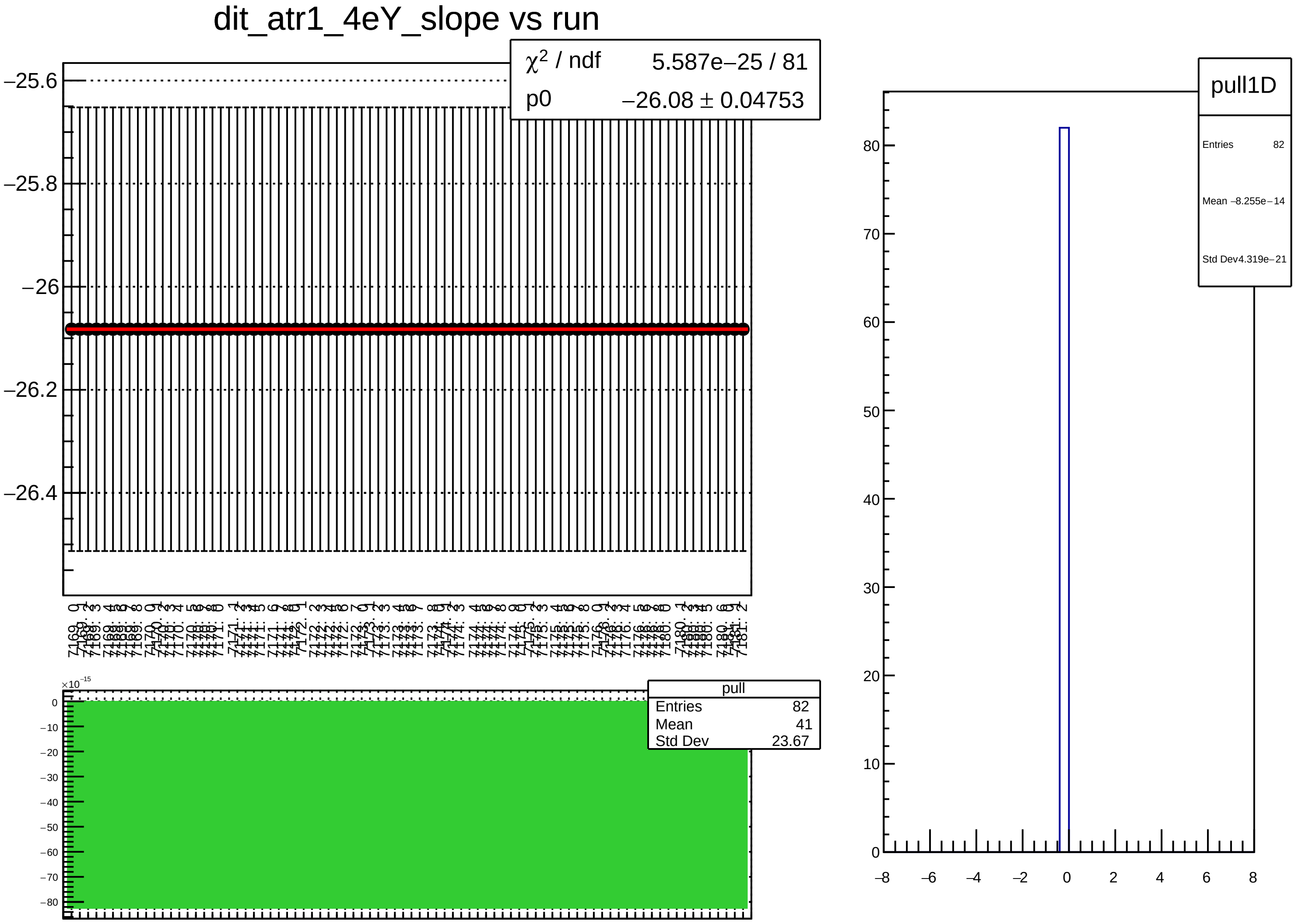
dit_atr1_4eX_slope vs run
χ^2 / ndf 2.975e−28 / 81
p0 8.612 ± 0.412
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.905e−15
Std Dev 5.919e−23



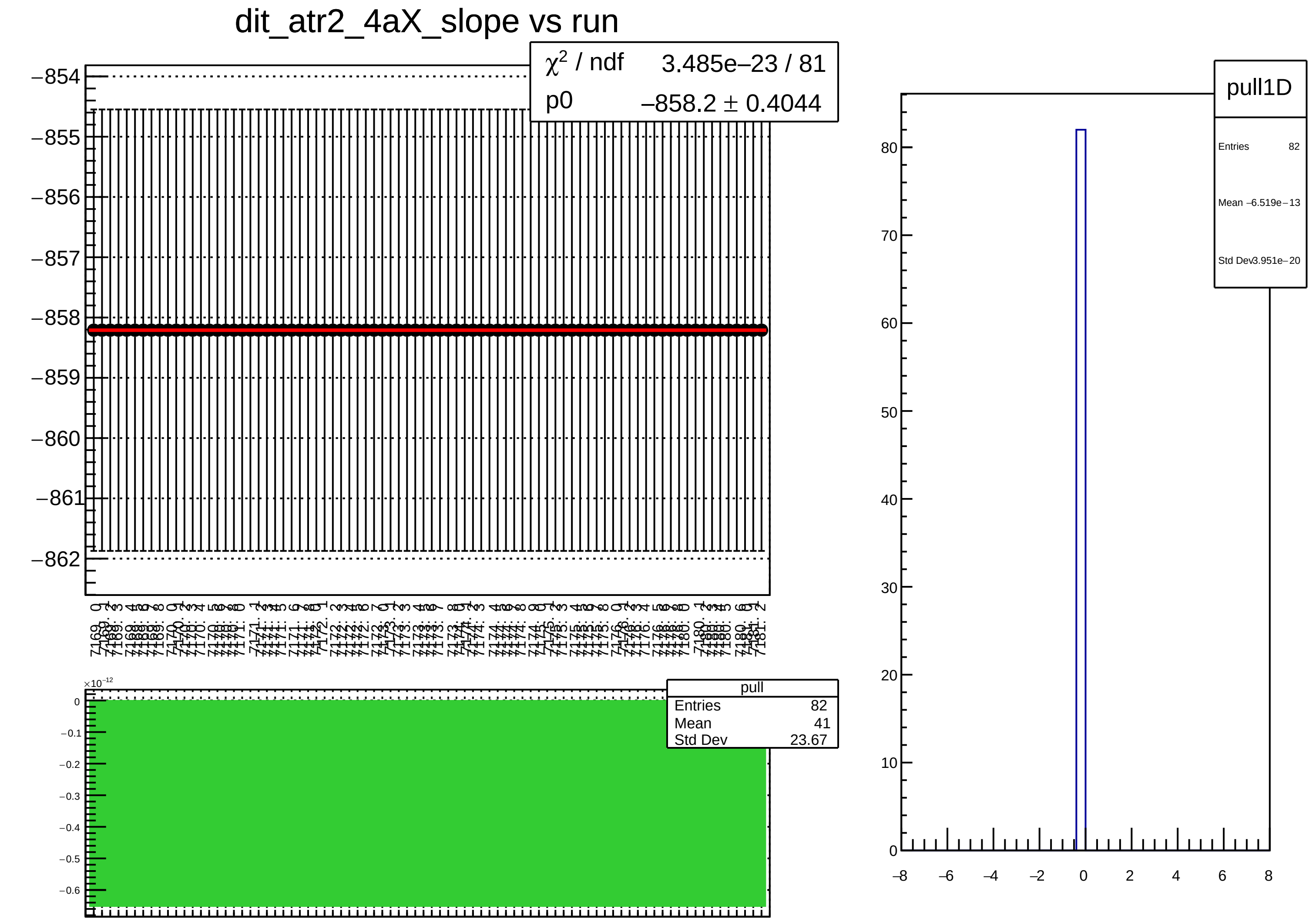
dit_atr1_11X12X_slope vs run
χ^2 / ndf 6.798e−26 / 81
p0 −19.92 ± 0.0545
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.879e−14
Std Dev 9.47e−22

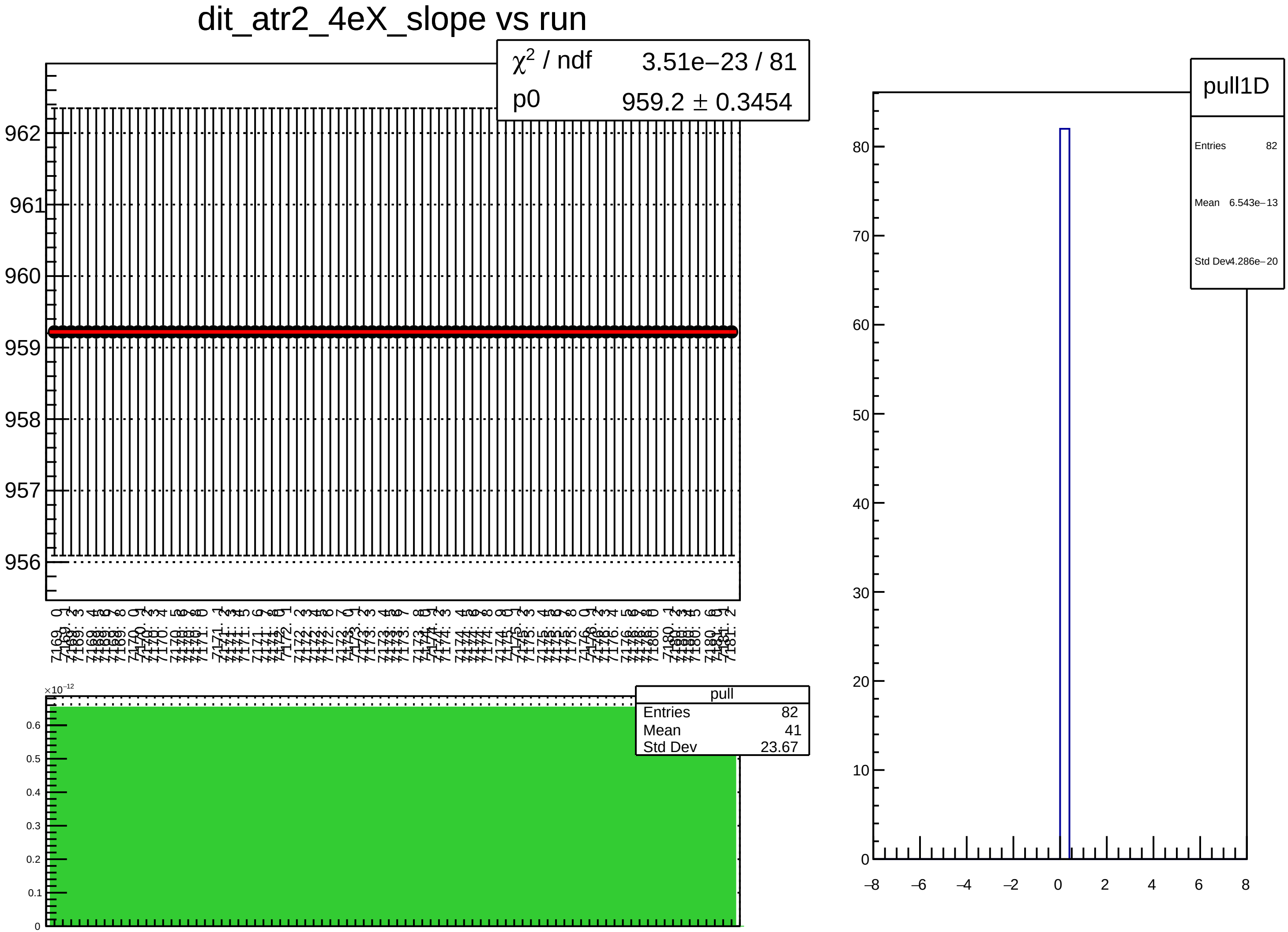


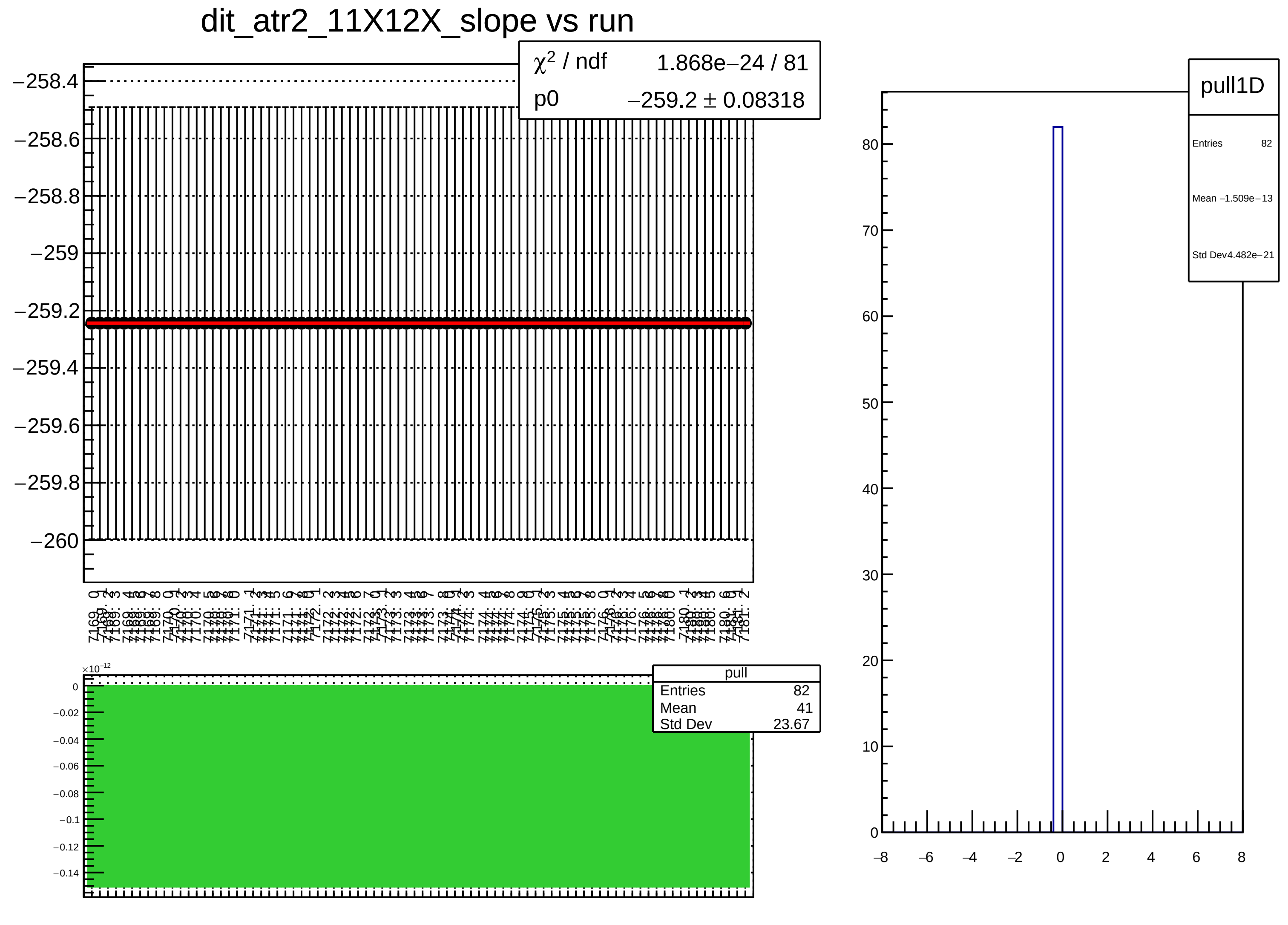
dit_atr1_4aY_slope vs run
χ2 / ndf 4.694e−26 / 81
p0 16.02 ± 0.04919
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.393e−14
Std Dev 7.923e−22

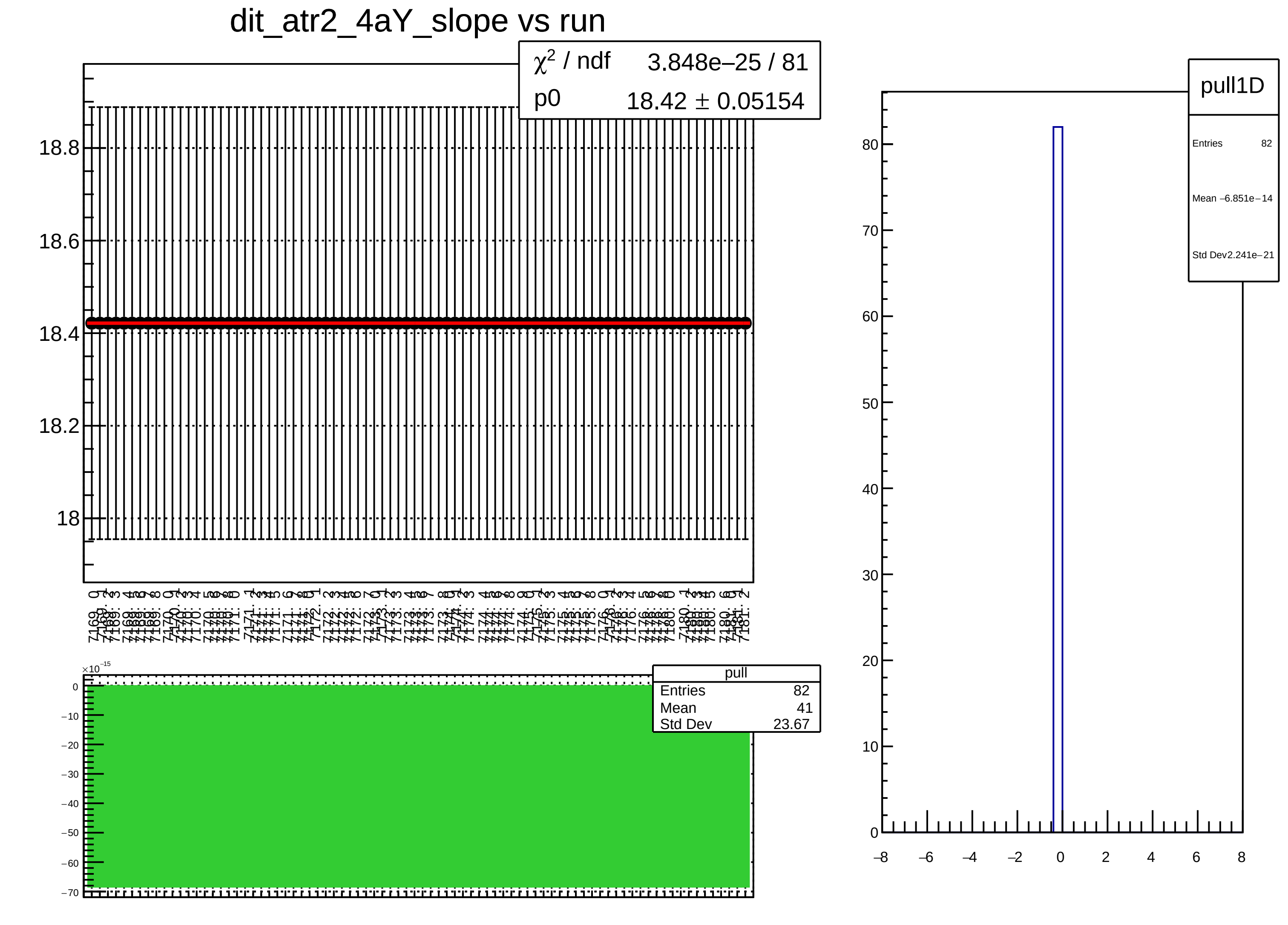


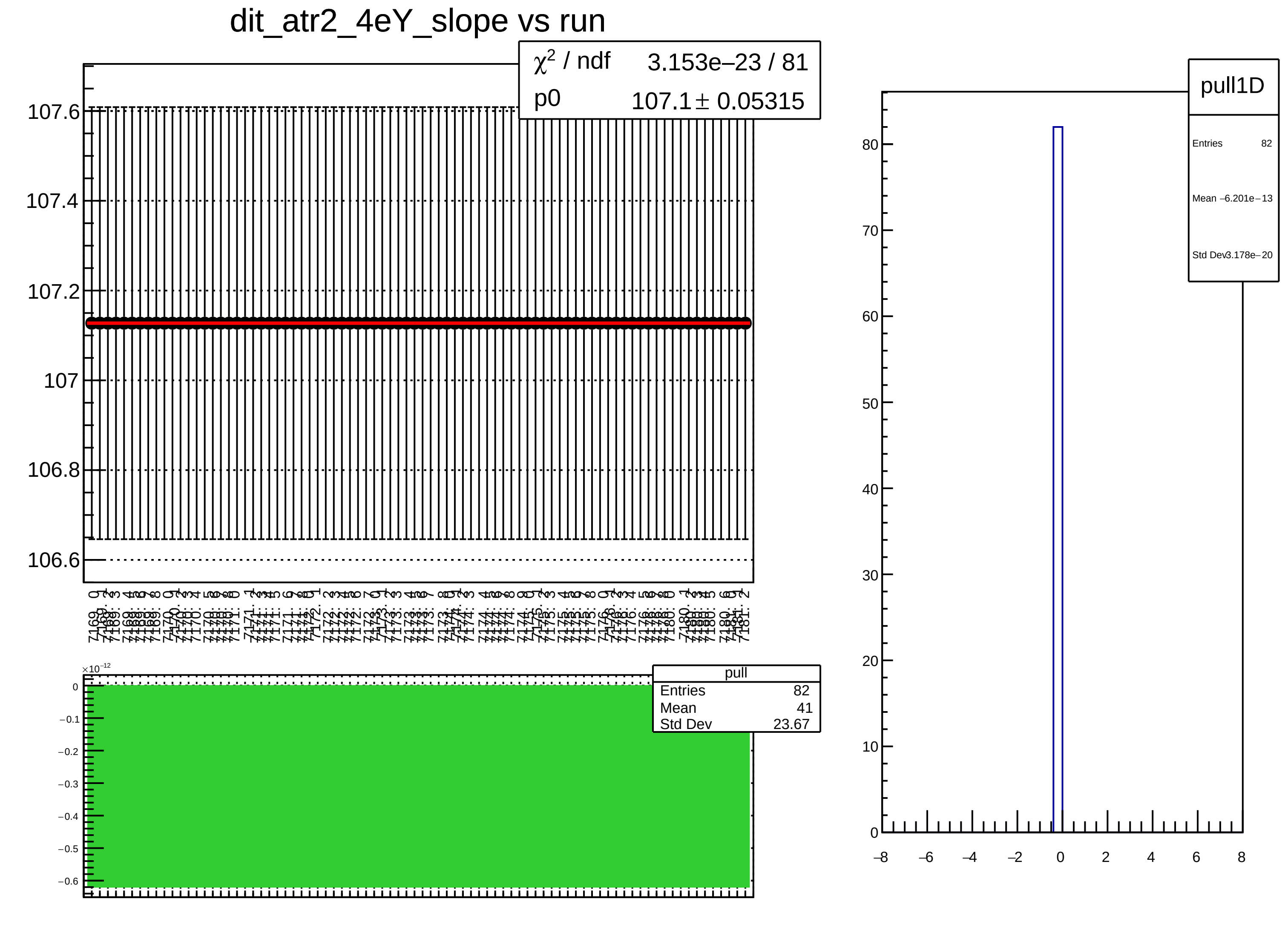
dit_atr1_4eY_slope vs run
χ^2 / ndf 5.587e−25 / 81
p0 −26.08 ± 0.04753
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −8.255e−14
Std Dev 4.319e−21


dit_atr2_4aX_slope vs run
χ^2 / ndf 3.485e−23 / 81
p0 −858.2 ± 0.4044
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.519e−13
Std Dev 3.951e−20

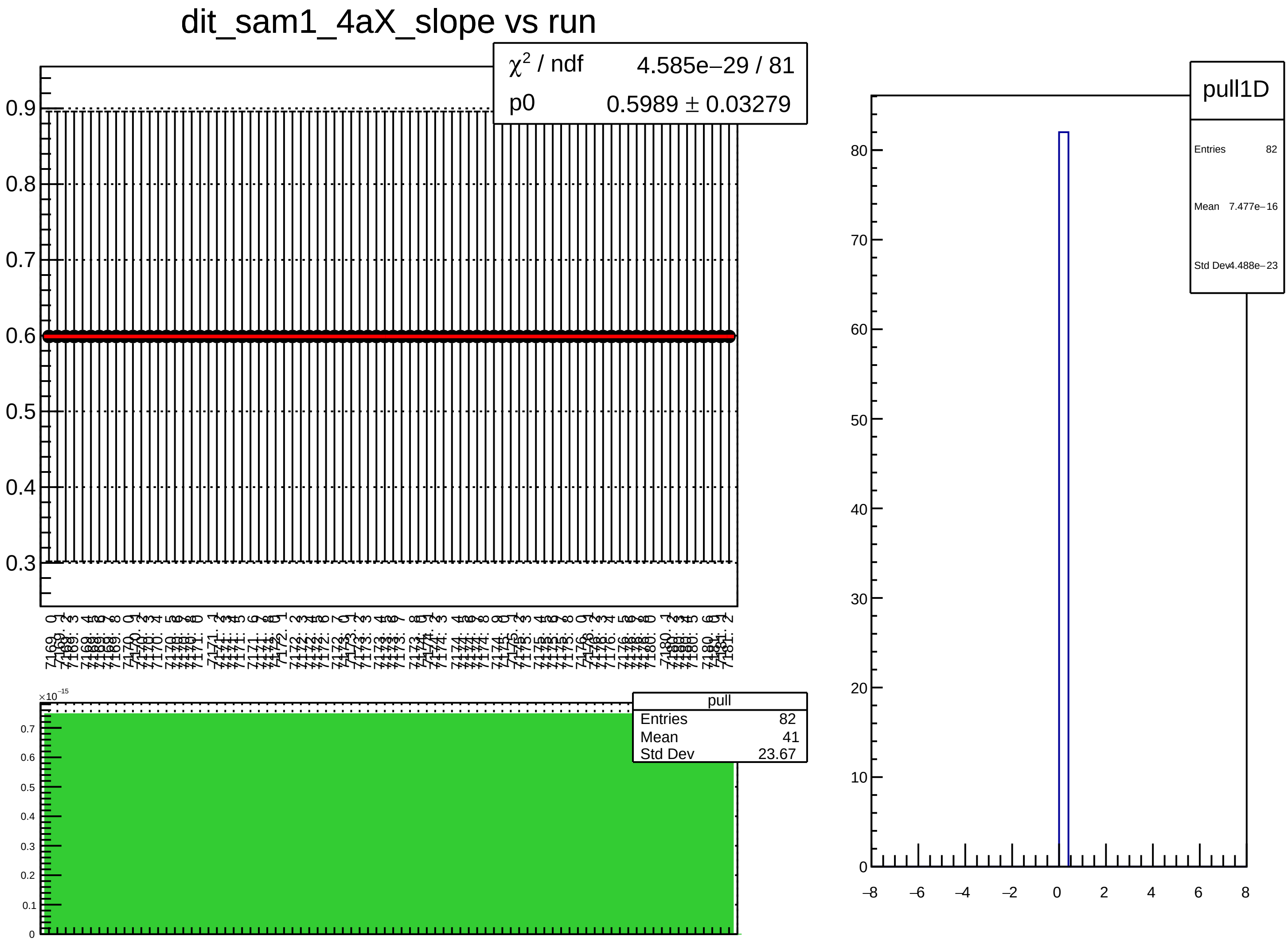

dit_atr2_4eX_slope vs run
χ^2 / ndf 3.51e−23 / 81
p0 959.2 ± 0.3454
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 6.543e−13
Std Dev 4.286e−20


dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.868e−24 / 81
p0 −259.2 ± 0.08318
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.509e−13
Std Dev 4.482e−21

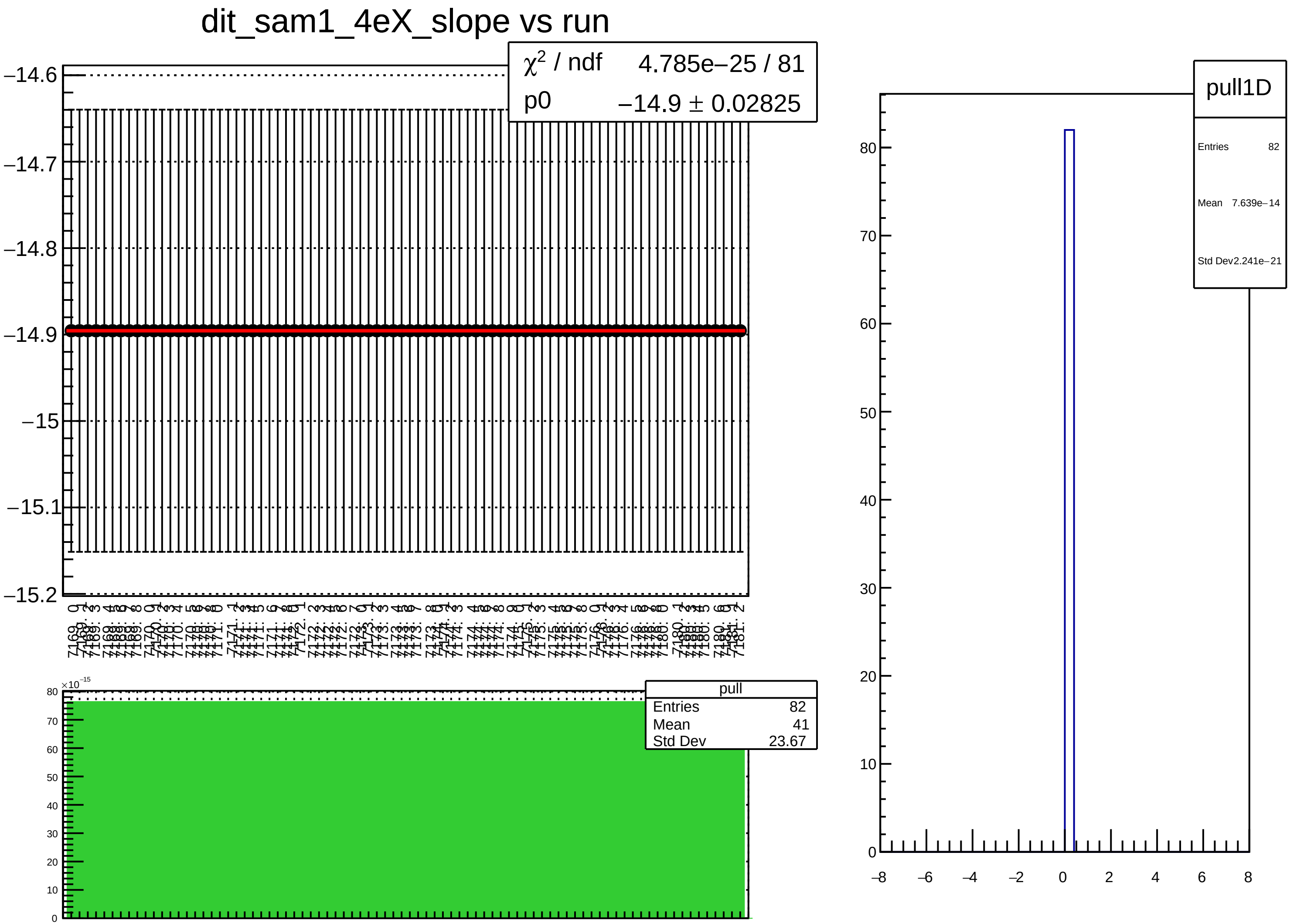

dit_atr2_4aY_slope vs run
χ2 / ndf 3.848e−25 / 81
p0 18.42 ± 0.05154
18.8
18.6
18.4
18.2
18
×10−15
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.851e−14
Std Dev 2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



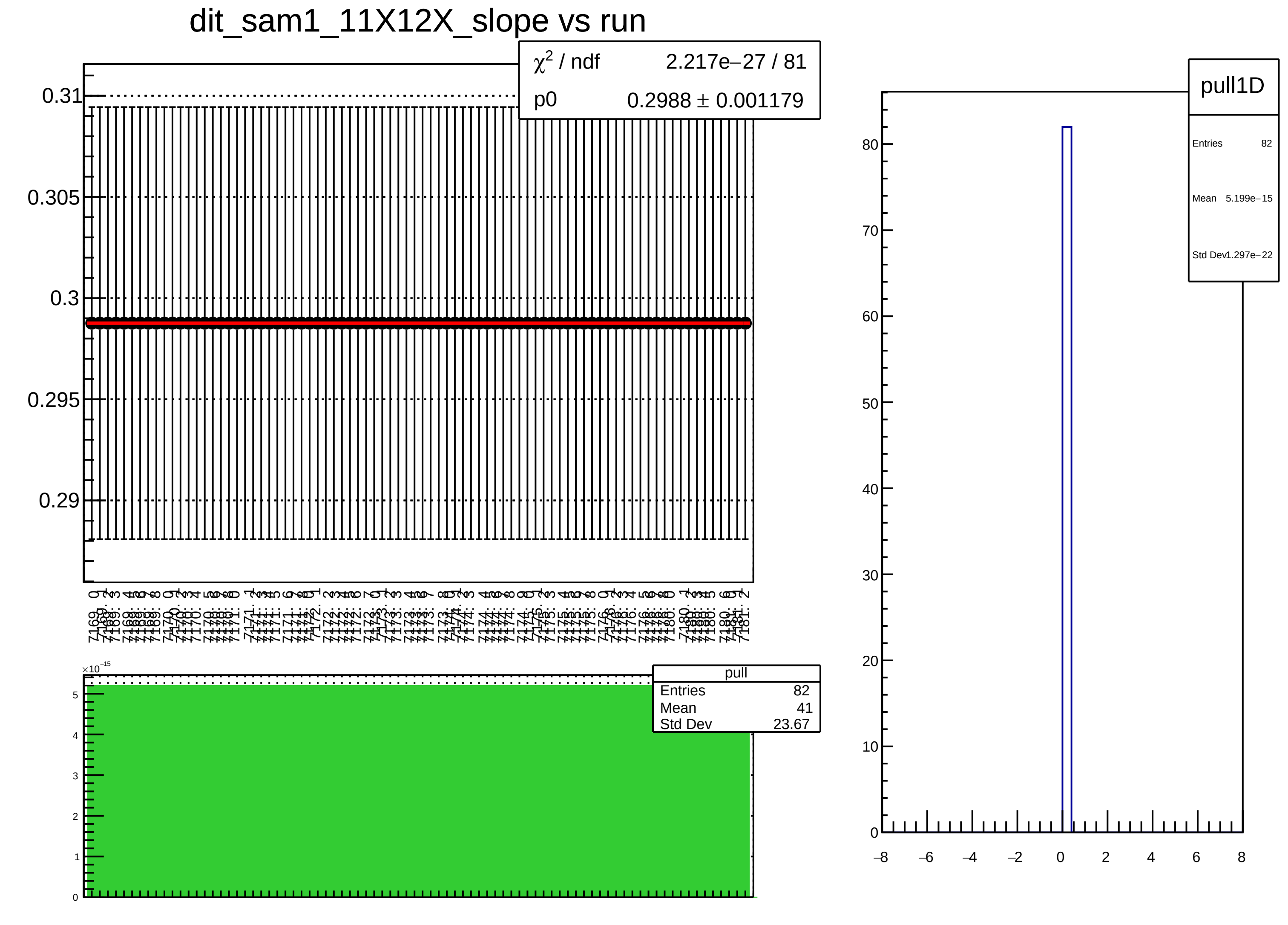
dit_atr2_4eY_slope vs run
χ^2 / ndf 3.153e−23 / 81
p0 107.1 ± 0.05315
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.201e−13
Std Dev 3.178e−20



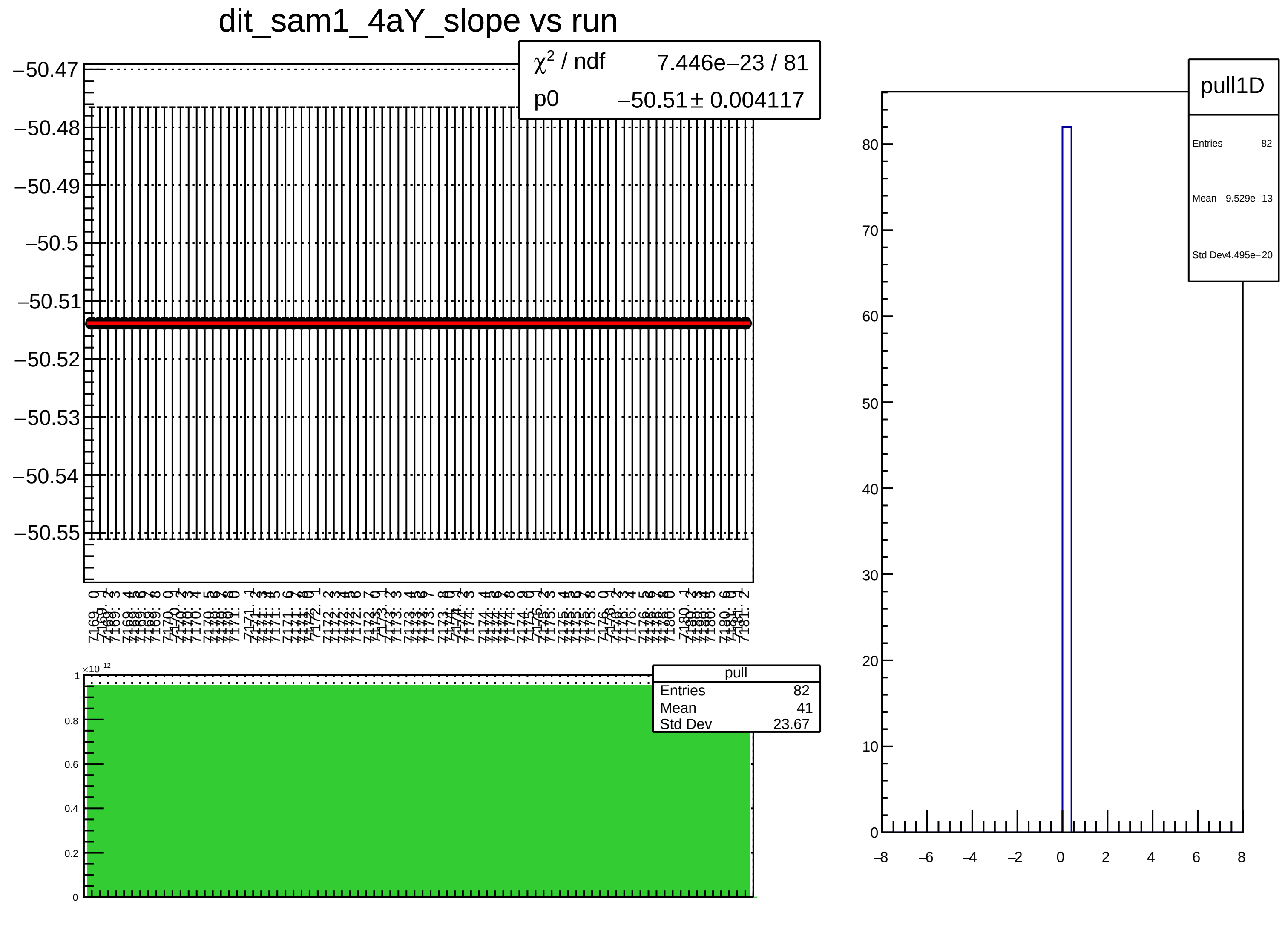
dit_sam1_4aX_slope vs run
χ² / ndf 4.585e−29 / 81
p0 0.5989 ± 0.03279
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.477e−16
Std Dev 4.488e−23

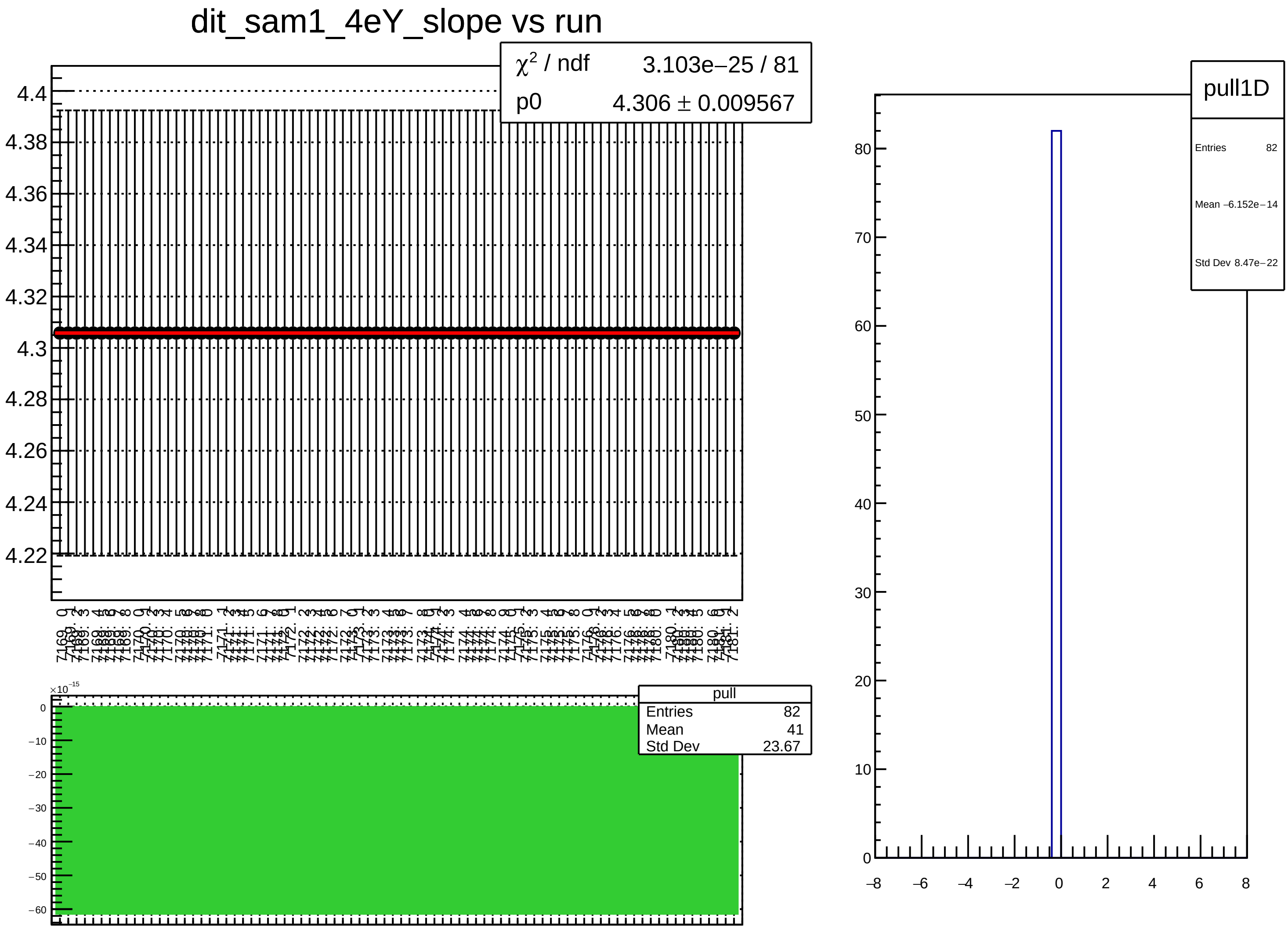


dit_sam1_4eX_slope vs run
χ2 / ndf 4.785e−25 / 81
p0 −14.9 ± 0.02825
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.639e−14
Std Dev 2.241e−21

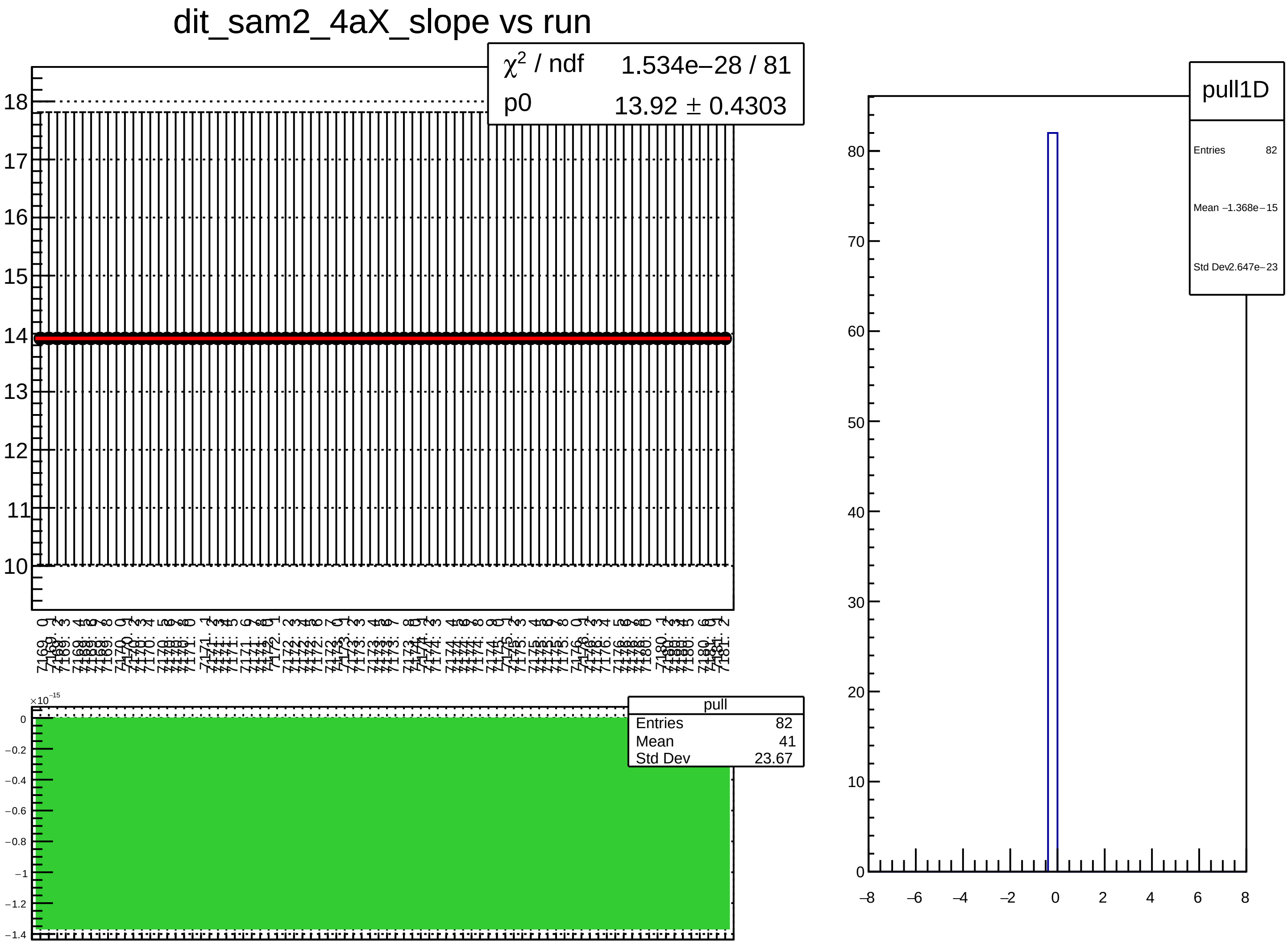


dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.217e−27 / 81
p0 0.2988 ± 0.001179
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.199e−15
Std Dev1.297e−22

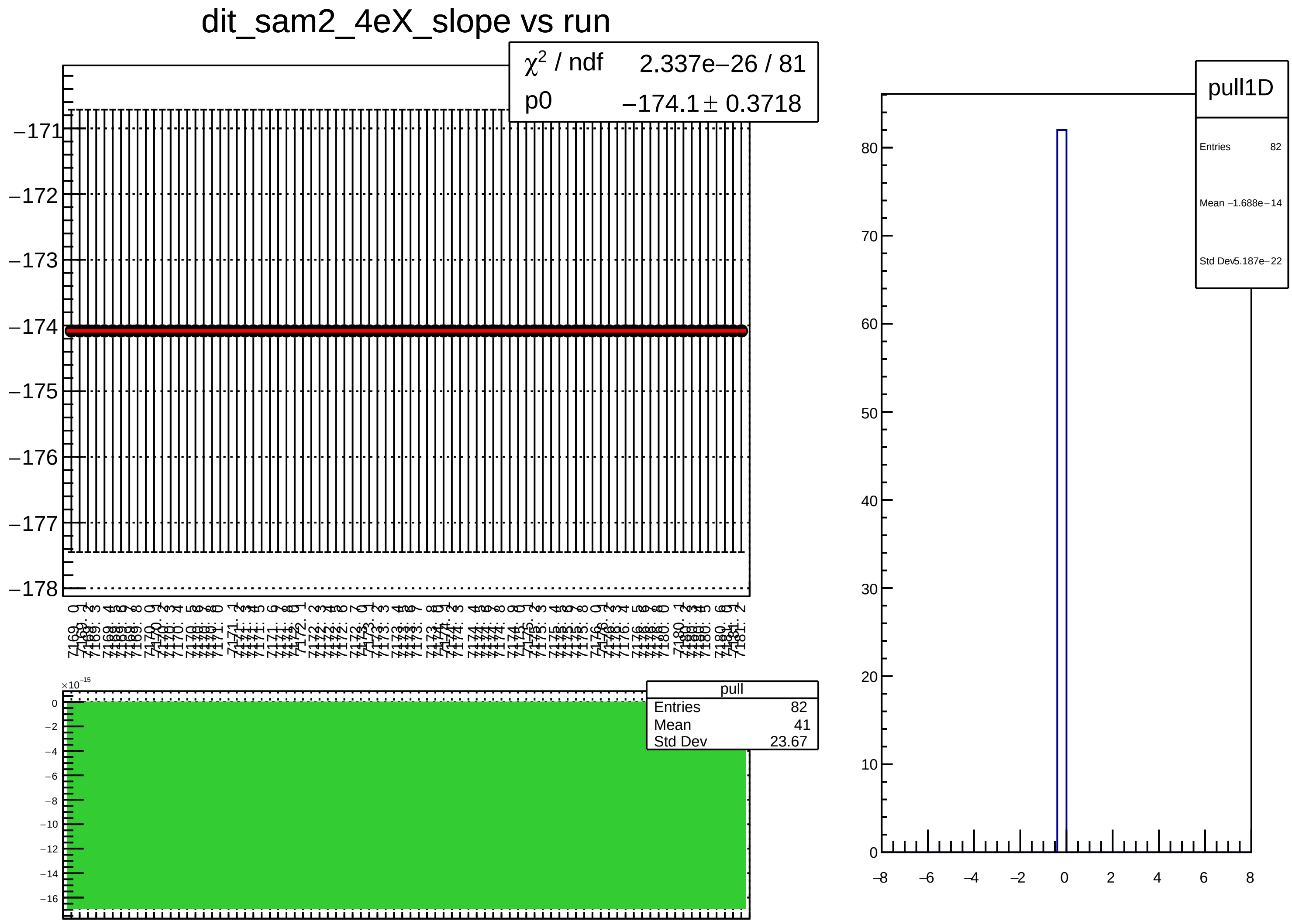

dit_sam1_4aY_slope vs run
χ² / ndf 7.446e−23 / 81
p0 −50.51 ± 0.004117
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 9.529e−13
Std Dev 4.495e−20



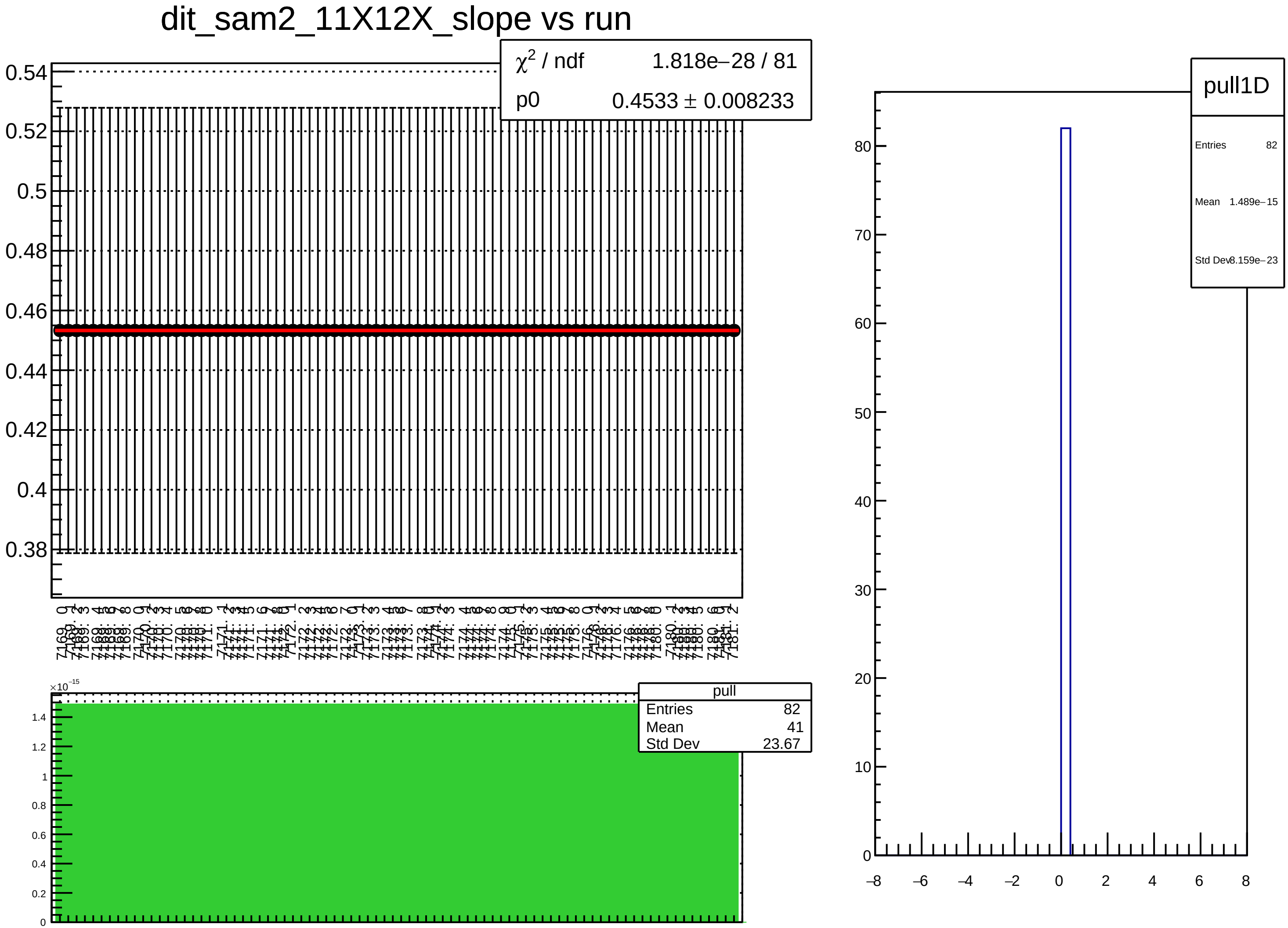
dit_sam1_4eY_slope vs run
χ^2 / ndf 3.103e−25 / 81
p0 4.306 ± 0.009567
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.152e−14
Std Dev 8.47e−22



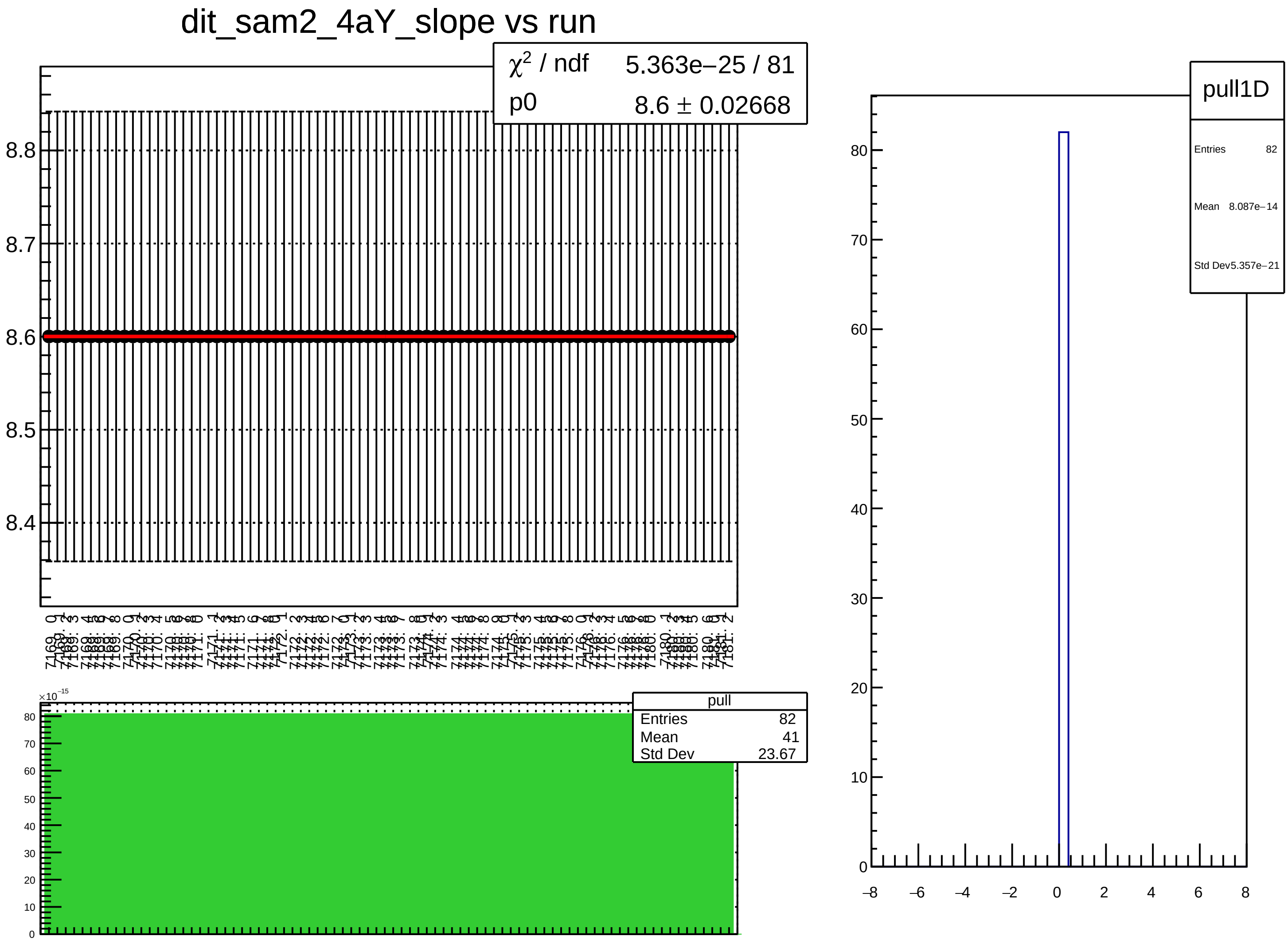
dit_sam2_4aX_slope vs run
χ^2 / ndf 1.534e−28 / 81
p0 13.92 ± 0.4303
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.368e−15
Std Dev 2.647e−23

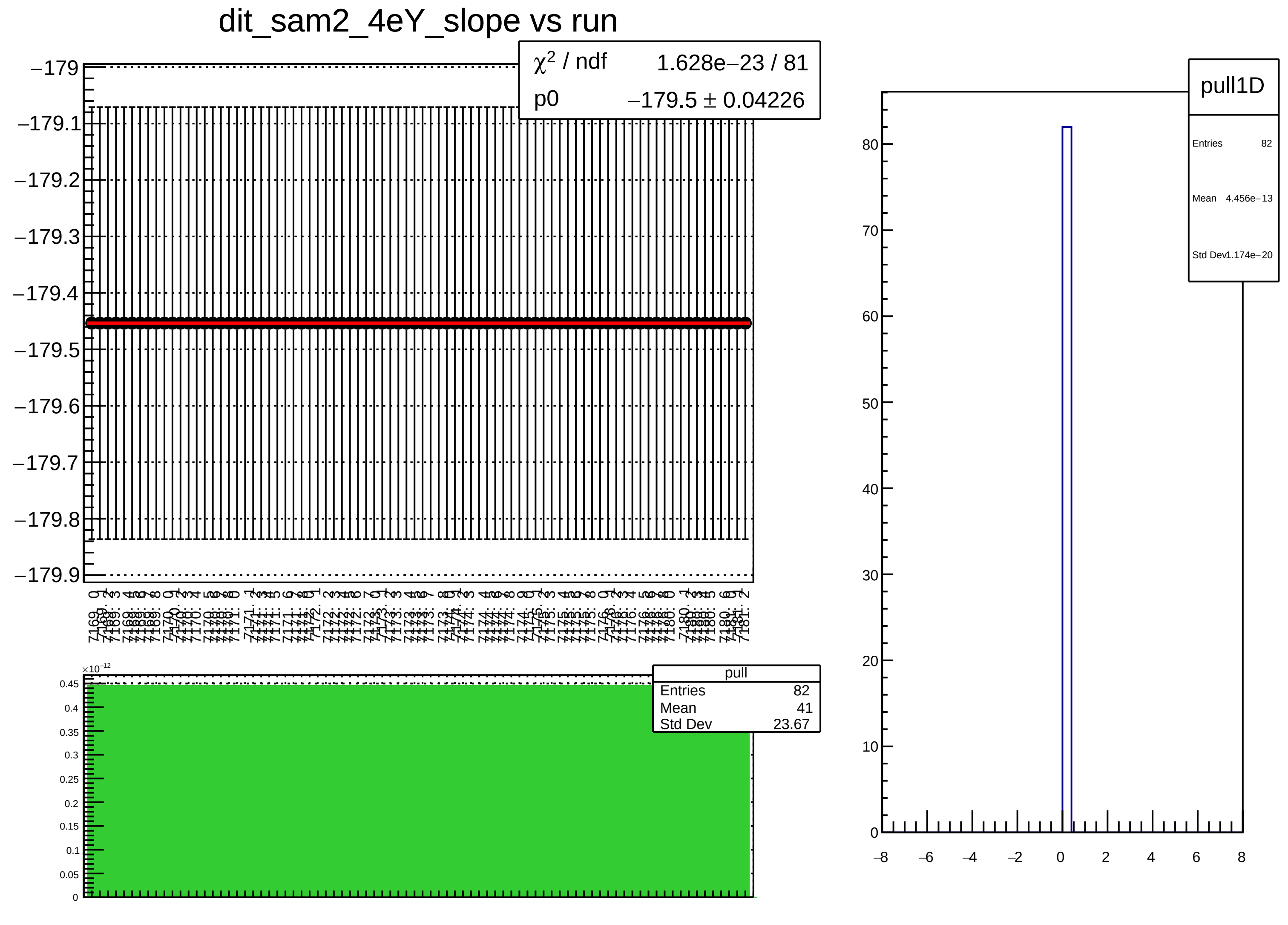


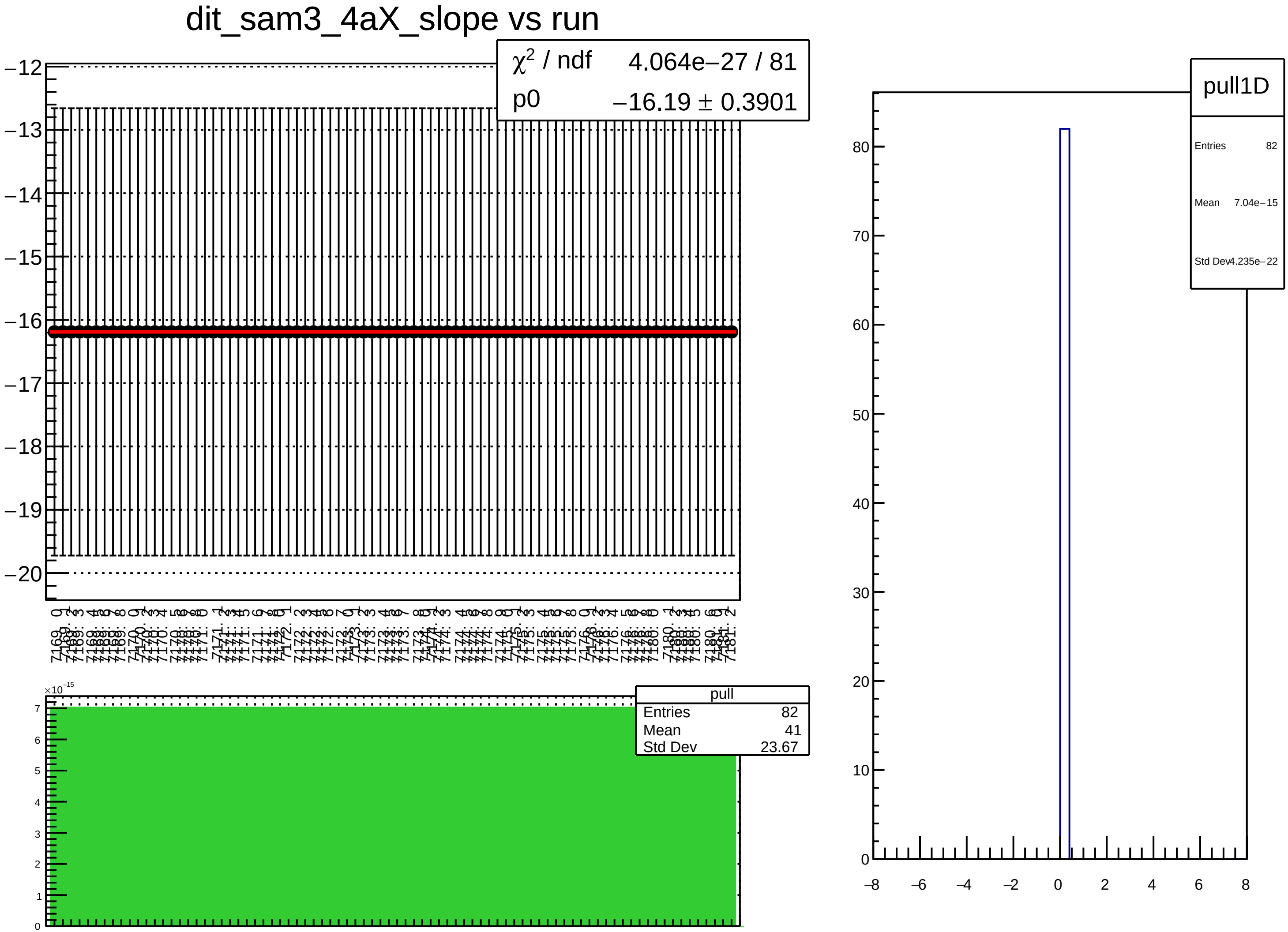
dit_sam2_4eX_slope vs run
χ^2 / ndf 2.337e−26 / 81
p0 −174.1 ± 0.3718
−171
−172
−173
−174
−175
−176
−177
−178
$\times10^{-15}$
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.688e−14
Std Dev 5.187e−22

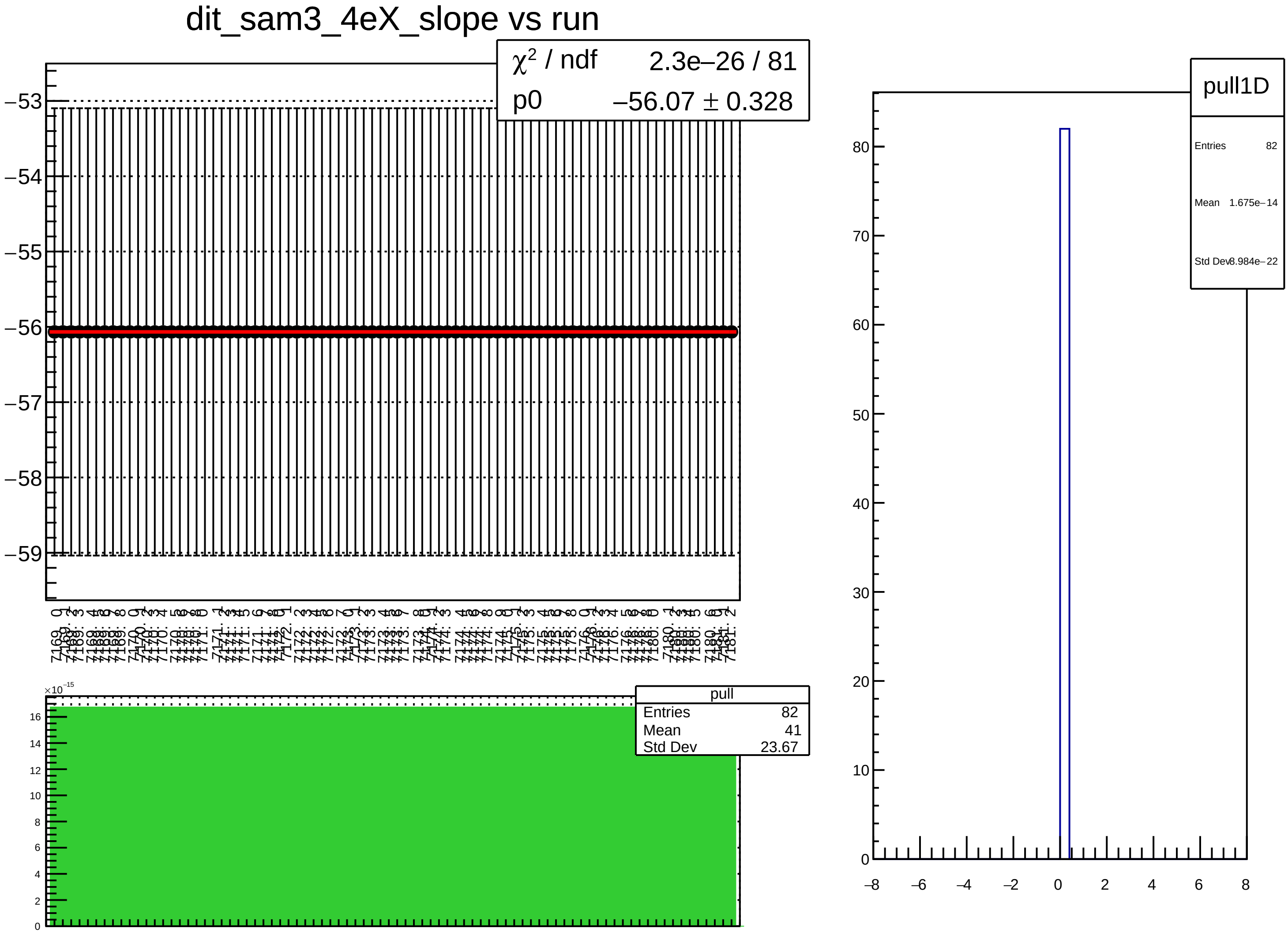


dit_sam2_11X12X_slope vs run
χ2 / ndf 1.818e−28 / 81
p0 0.4533 ± 0.008233
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.489e−15
Std Dev 8.159e−23

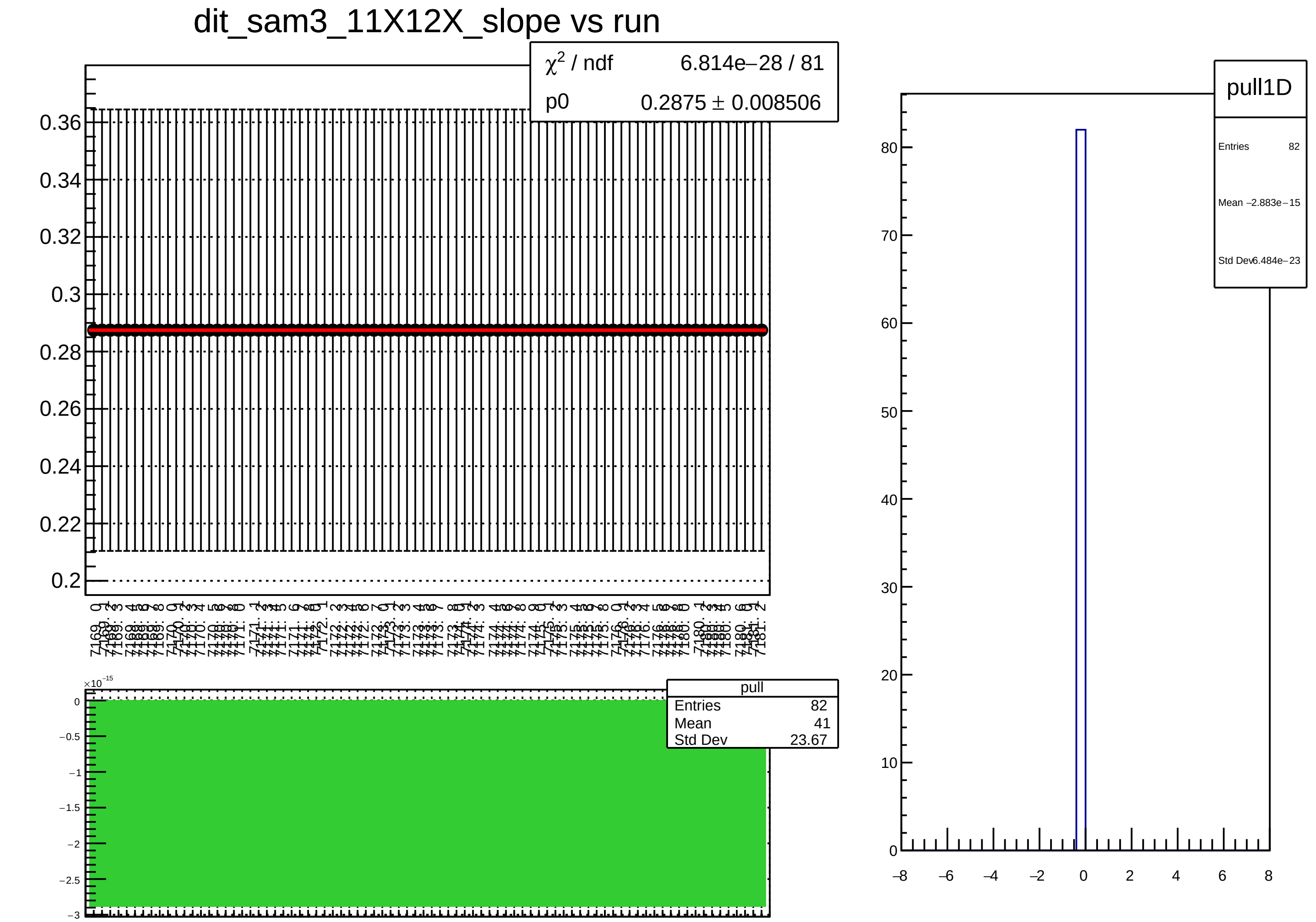

dit_sam2_4aY_slope vs run
χ^2 / ndf 5.363e−25 / 81
p0 8.6 ± 0.02668
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 8.087e−14
Std Dev 5.357e−21


dit_sam2_4eY_slope vs run
χ^2 / ndf 1.628e−23 / 81
p0 −179.5 ± 0.04226
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.456e−13
Std Dev 1.174e−20


dit_sam3_4aX_slope vs run
χ2 / ndf 4.064e−27 / 81
p0 −16.19 ± 0.3901
−12
−13
−14
−15
−16
−17
−18
−19
−20
×10−15
7
6
5
4
3
2
1
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.04e−15
Std Dev 4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

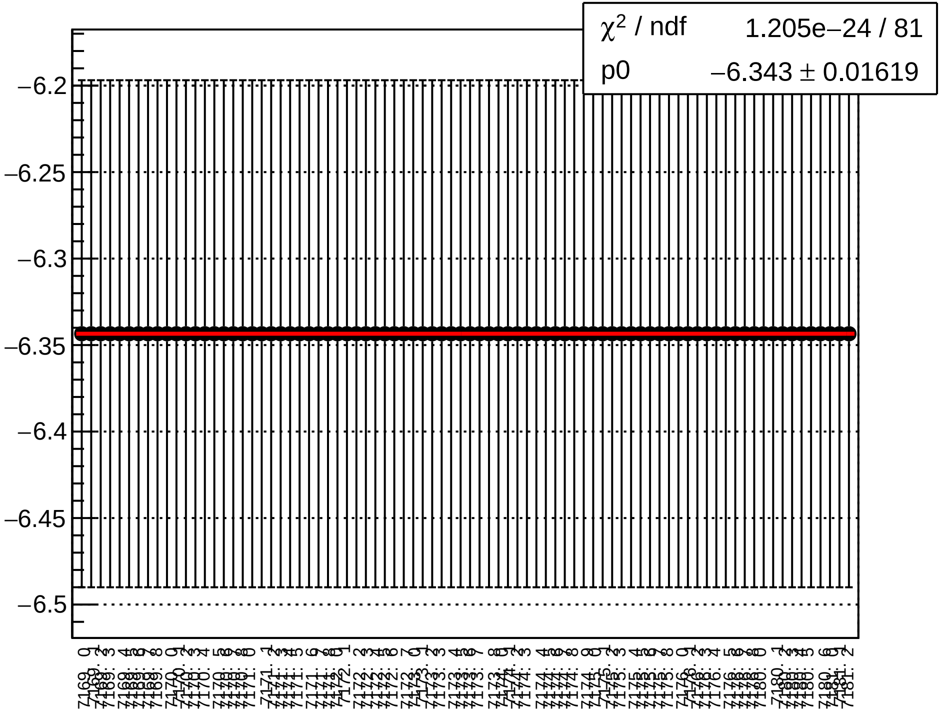


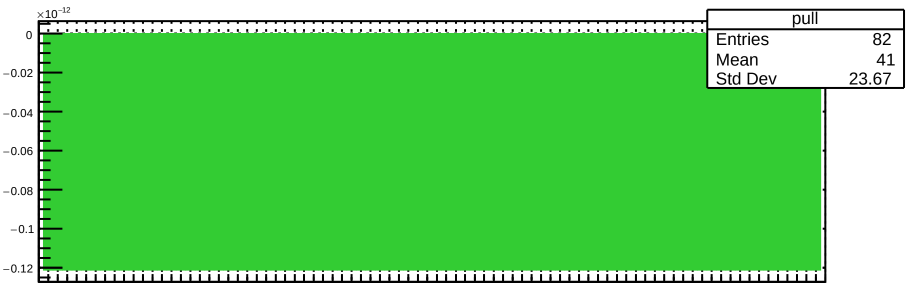
dit_sam3_4eX_slope vs run
χ² / ndf 2.3e−26 / 81
p0 −56.07 ± 0.328
−53
−54
−55
−56
−57
−58
−59
×10⁻¹⁵
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.675e−14
Std Dev 8.984e−22

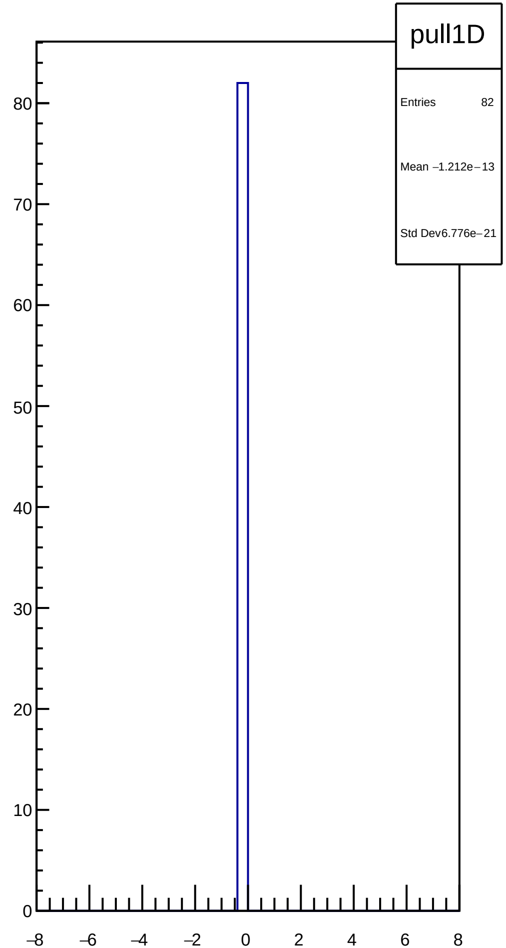


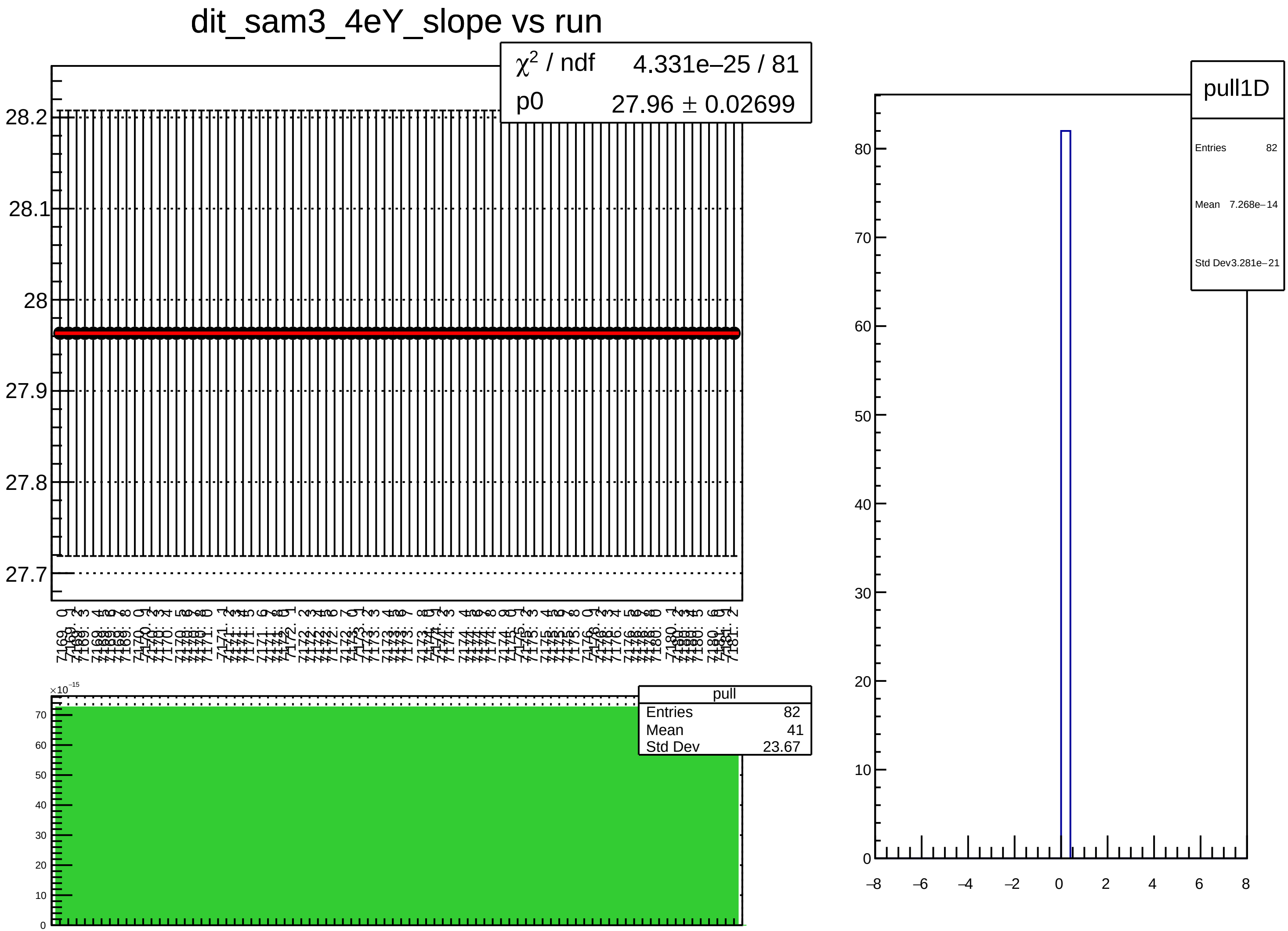
dit_sam3_11X12X_slope vs run
χ^2 / ndf 6.814e−28 / 81
p0 0.2875 ± 0.008506
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.883e−15
Std Dev 6.484e−23

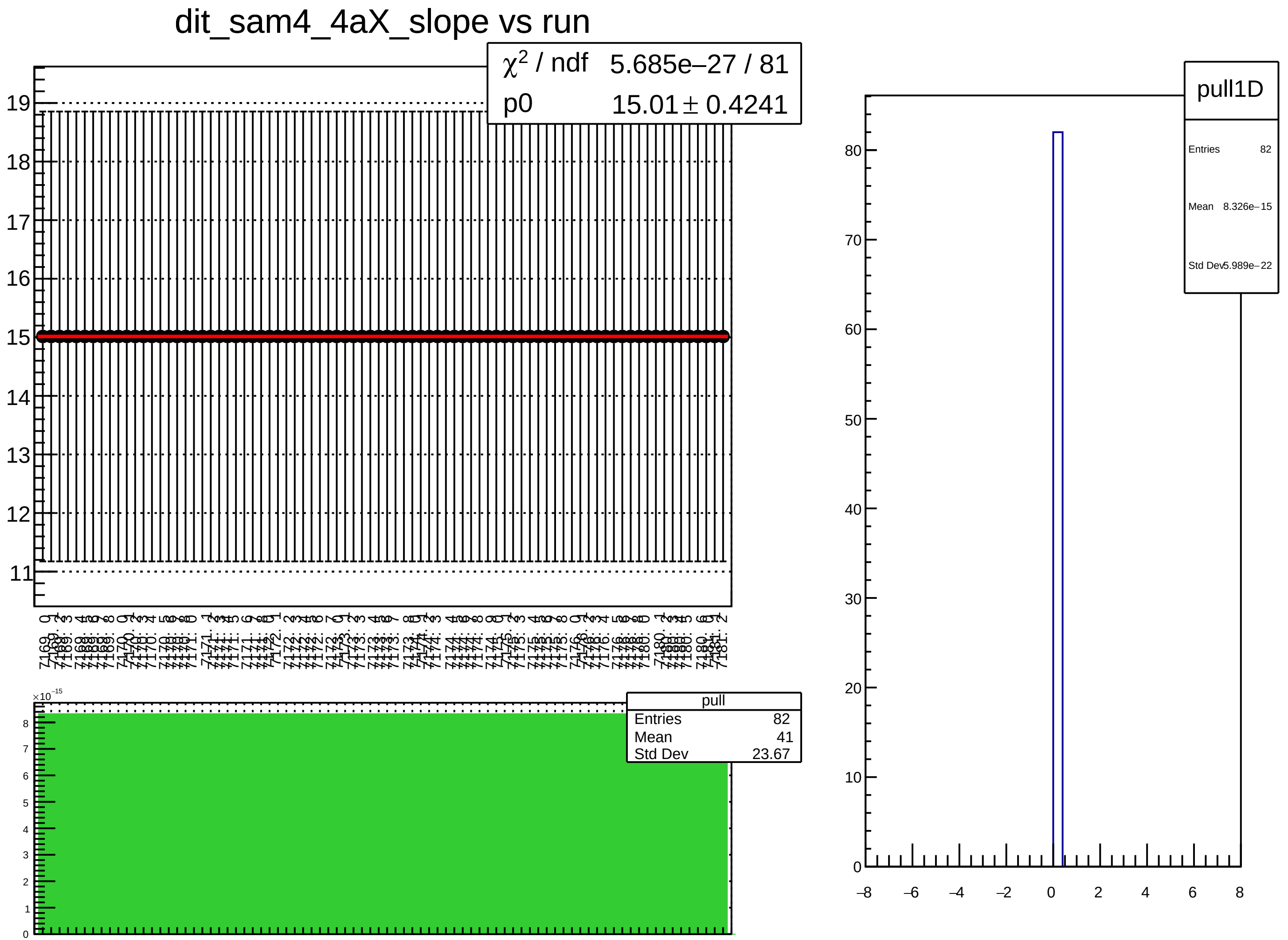
dit_sam3_4aY_slope vs run



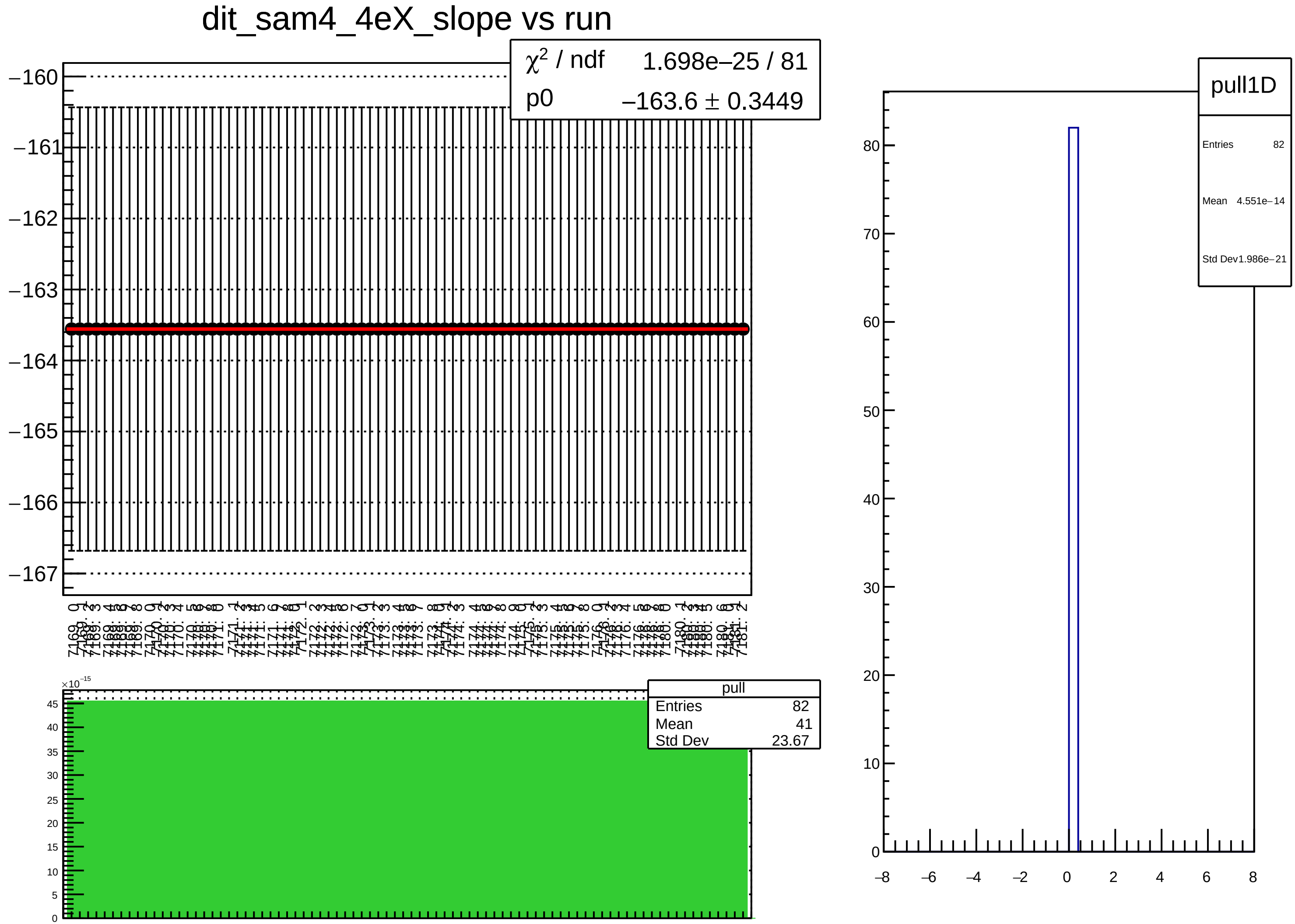




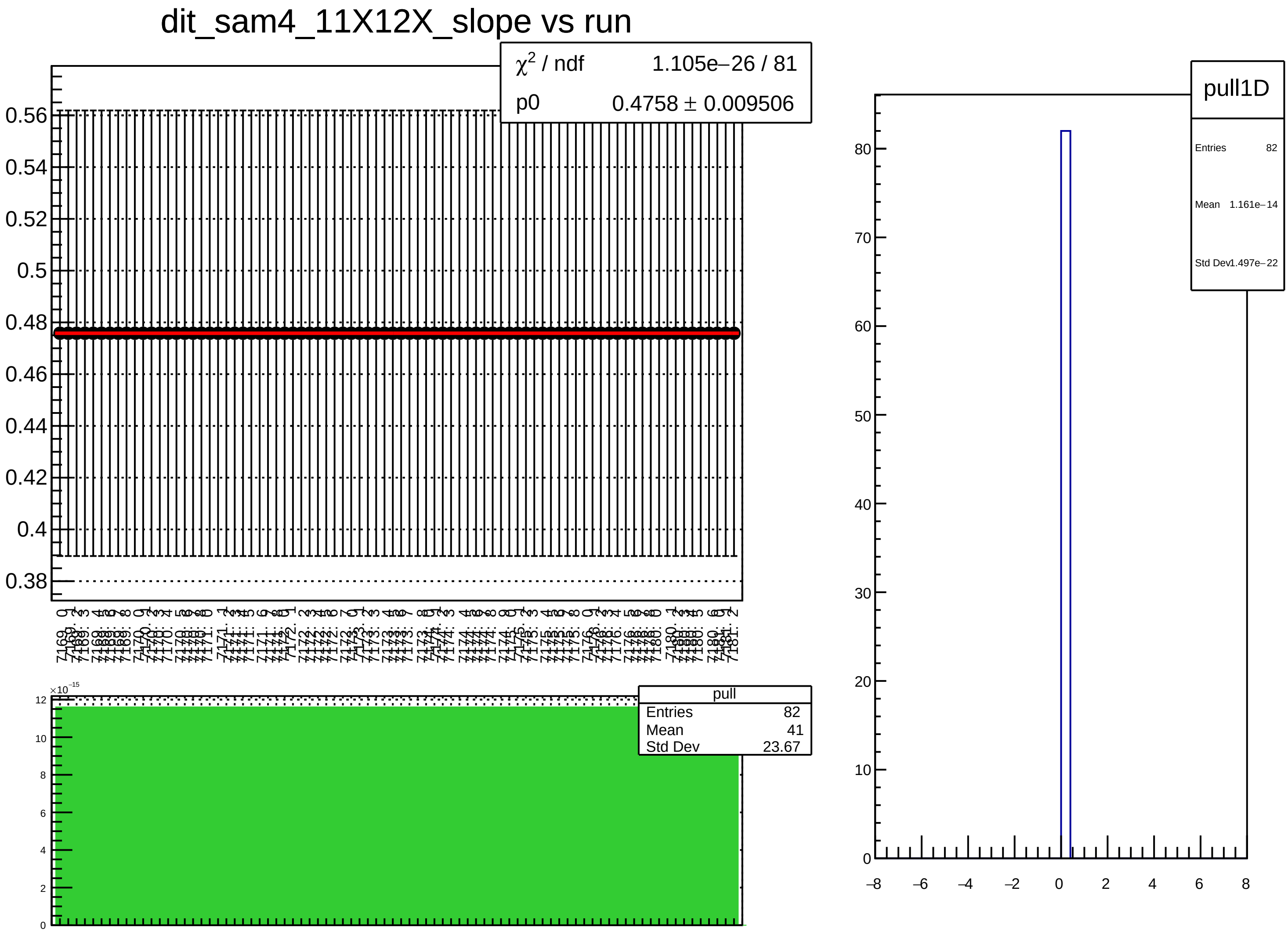

dit_sam3_4eY_slope vs run
χ^2 / ndf 4.331e−25 / 81
p0 27.96 ± 0.02699
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.268e−14
Std Dev 3.281e−21

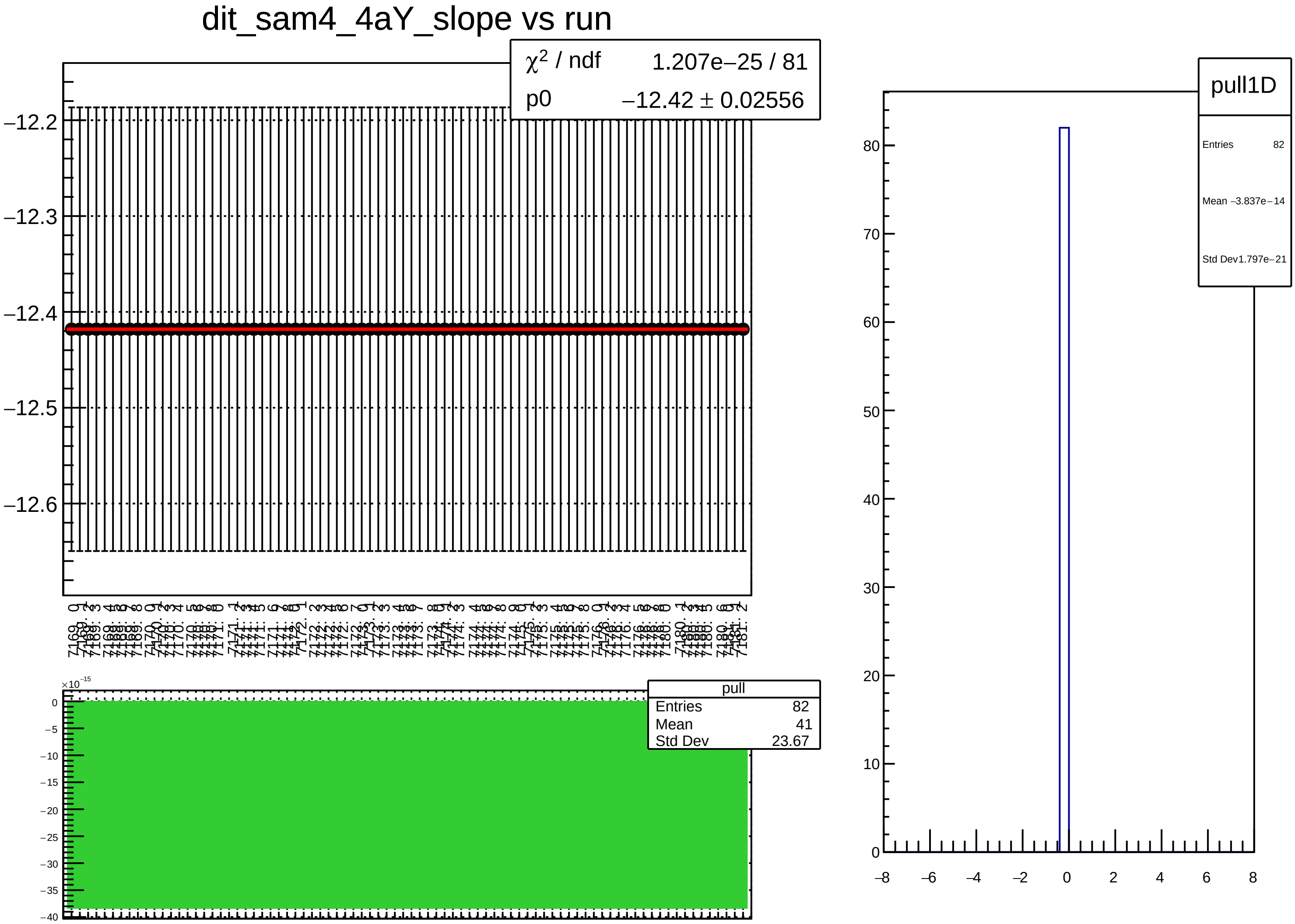


dit_sam4_4aX_slope vs run
χ^2 / ndf 5.685e−27 / 81
p0 15.01 ± 0.4241
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 8.326e−15
Std Dev 5.989e−22

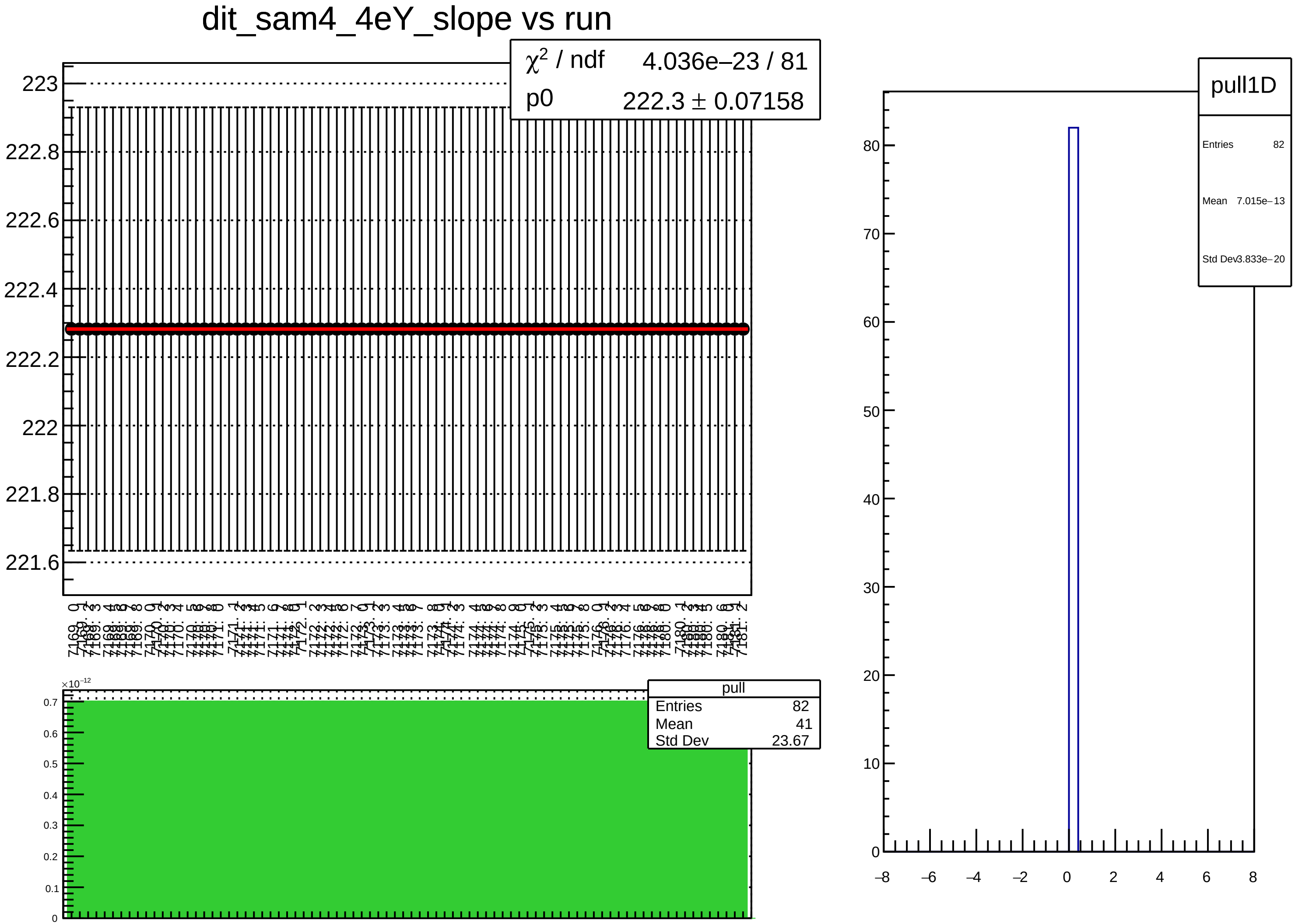


dit_sam4_4eX_slope vs run
χ2 / ndf 1.698e−25 / 81
p0 −163.6 ± 0.3449
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.551e−14
Std Dev 1.986e−21

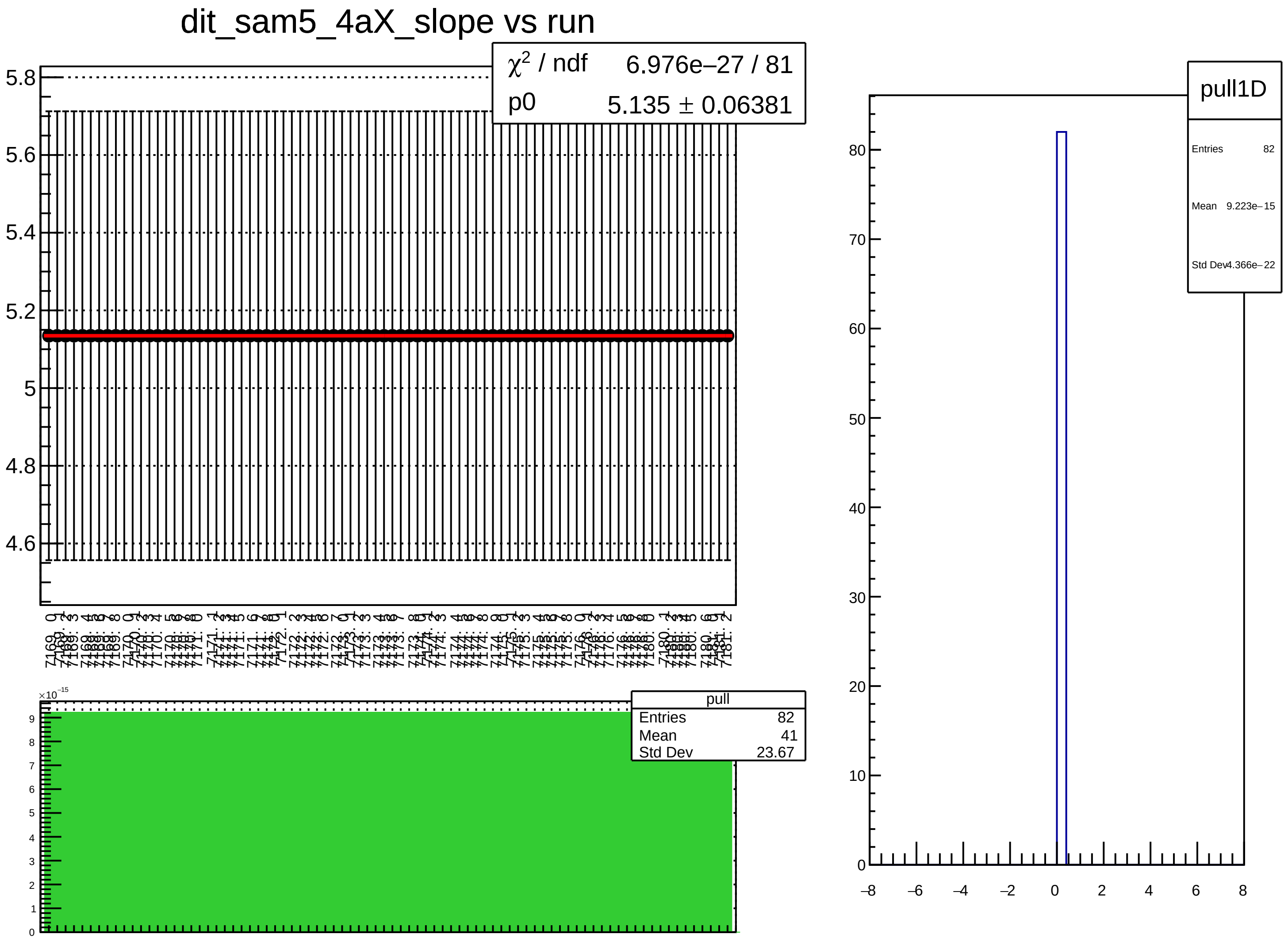

dit_sam4_11X12X_slope vs run
χ^2 / ndf 1.105e−26 / 81
p0 0.4758 ± 0.009506
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.161e−14
Std Dev 1.497e−22



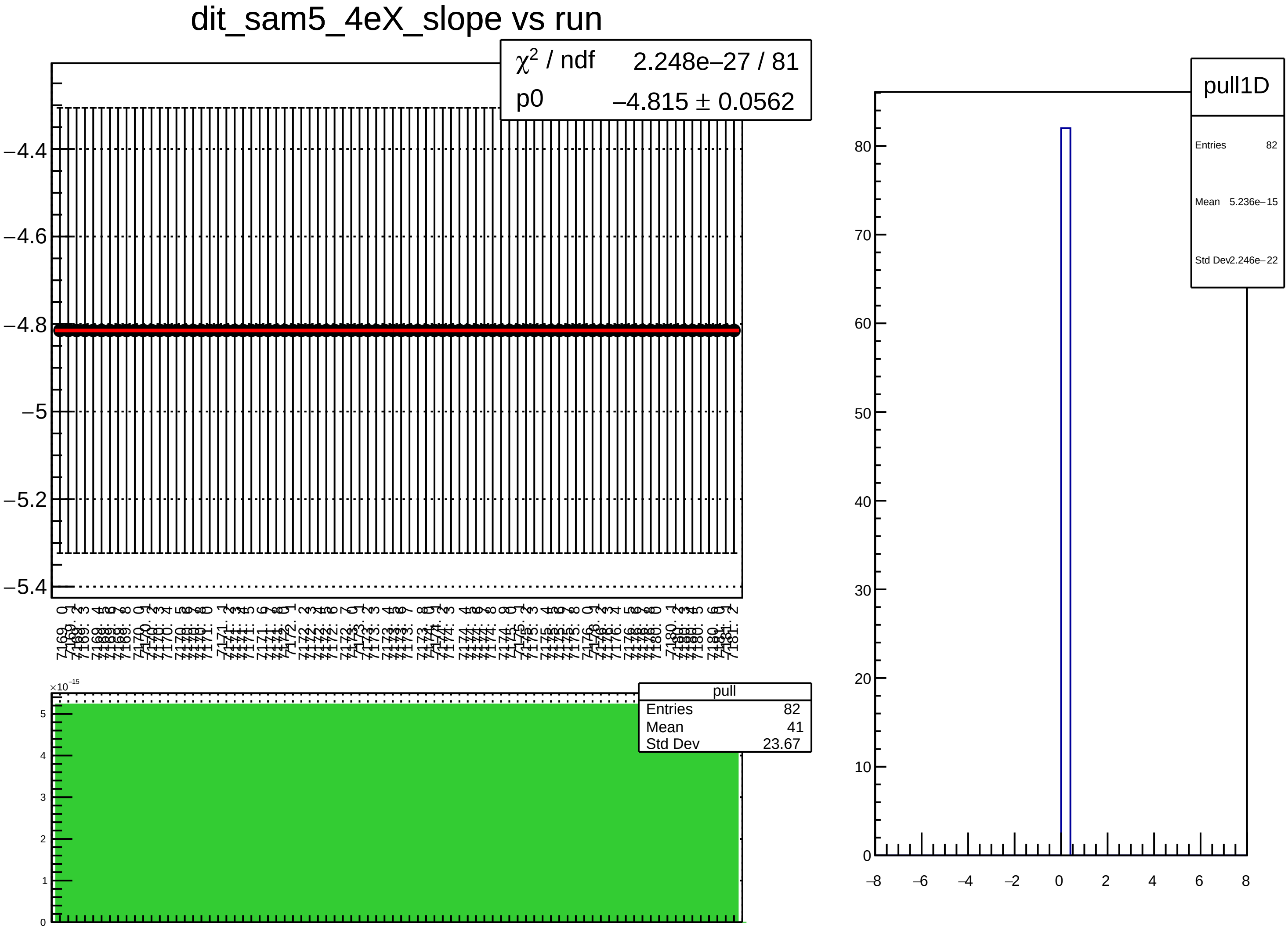
dit_sam4_4aY_slope vs run
χ^2 / ndf 1.207e−25 / 81
p0 −12.42 ± 0.02556
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.837e−14
Std Dev 1.797e−21



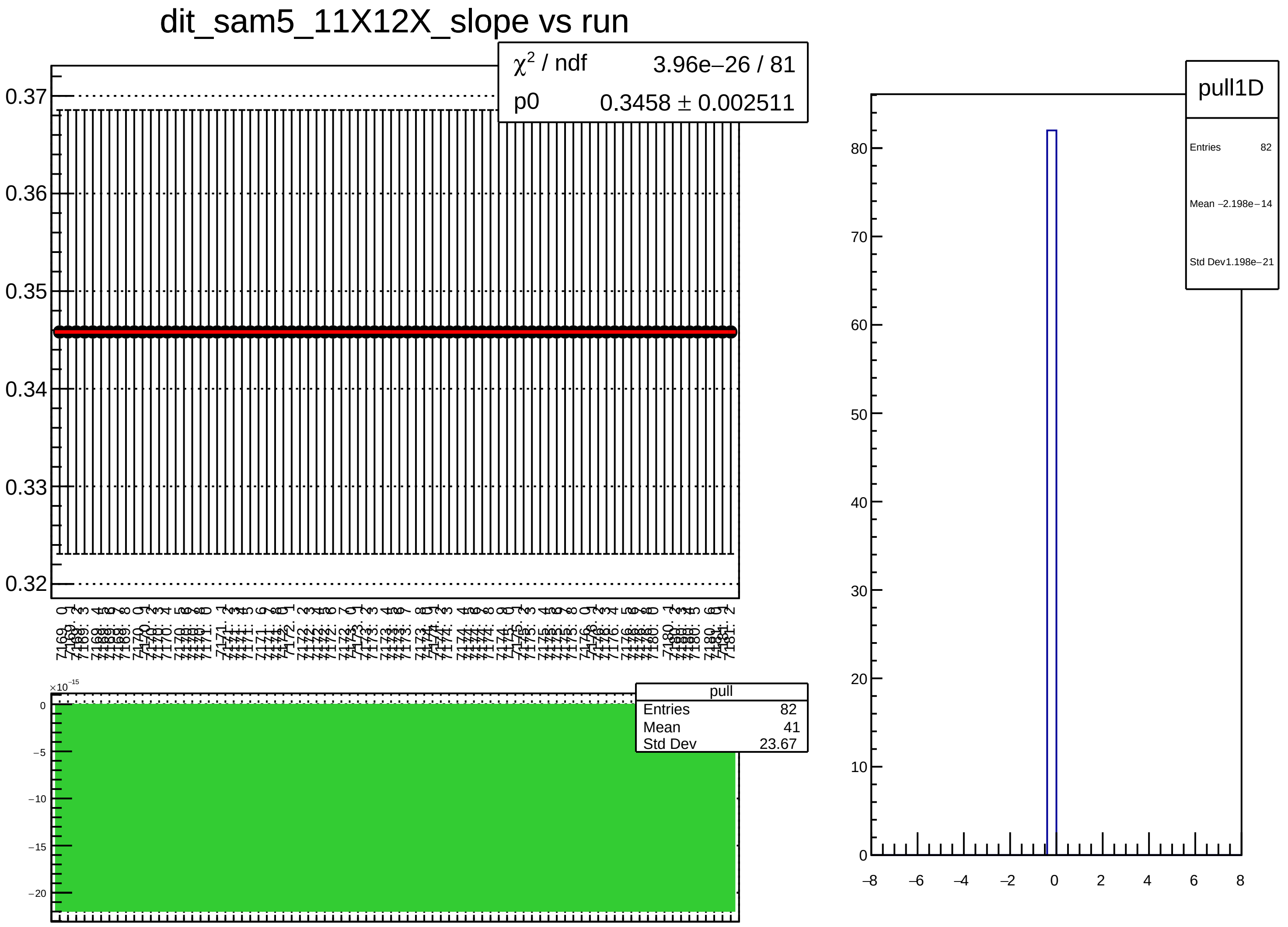
dit_sam4_4eY_slope vs run
χ2 / ndf 4.036e−23 / 81
p0 222.3 ± 0.07158
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.015e−13
Std Dev 3.833e−20



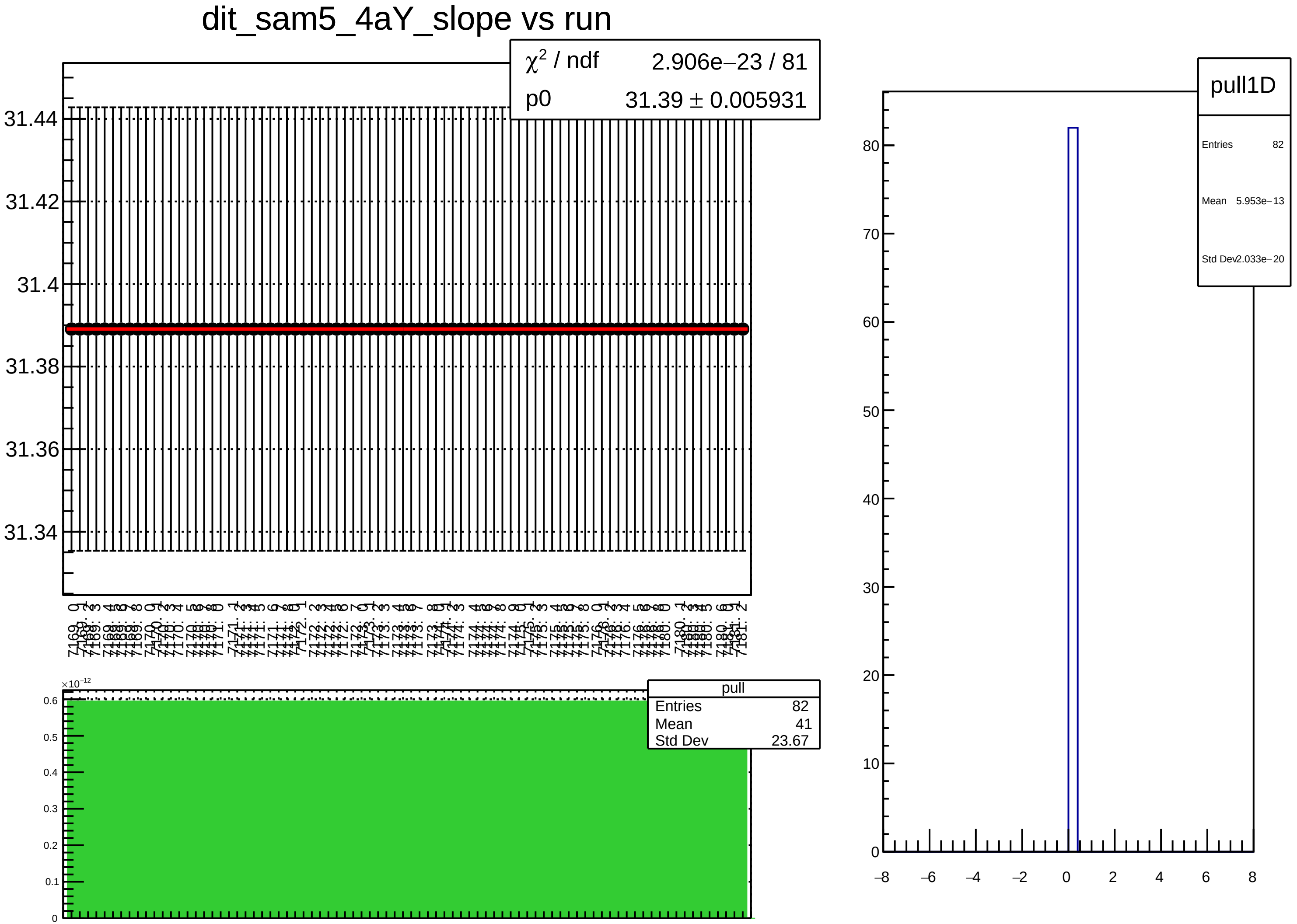
dit_sam5_4aX_slope vs run
χ^2 / ndf 6.976e−27 / 81
p0 5.135 ± 0.06381
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 9.223e−15
Std Dev4.366e−22



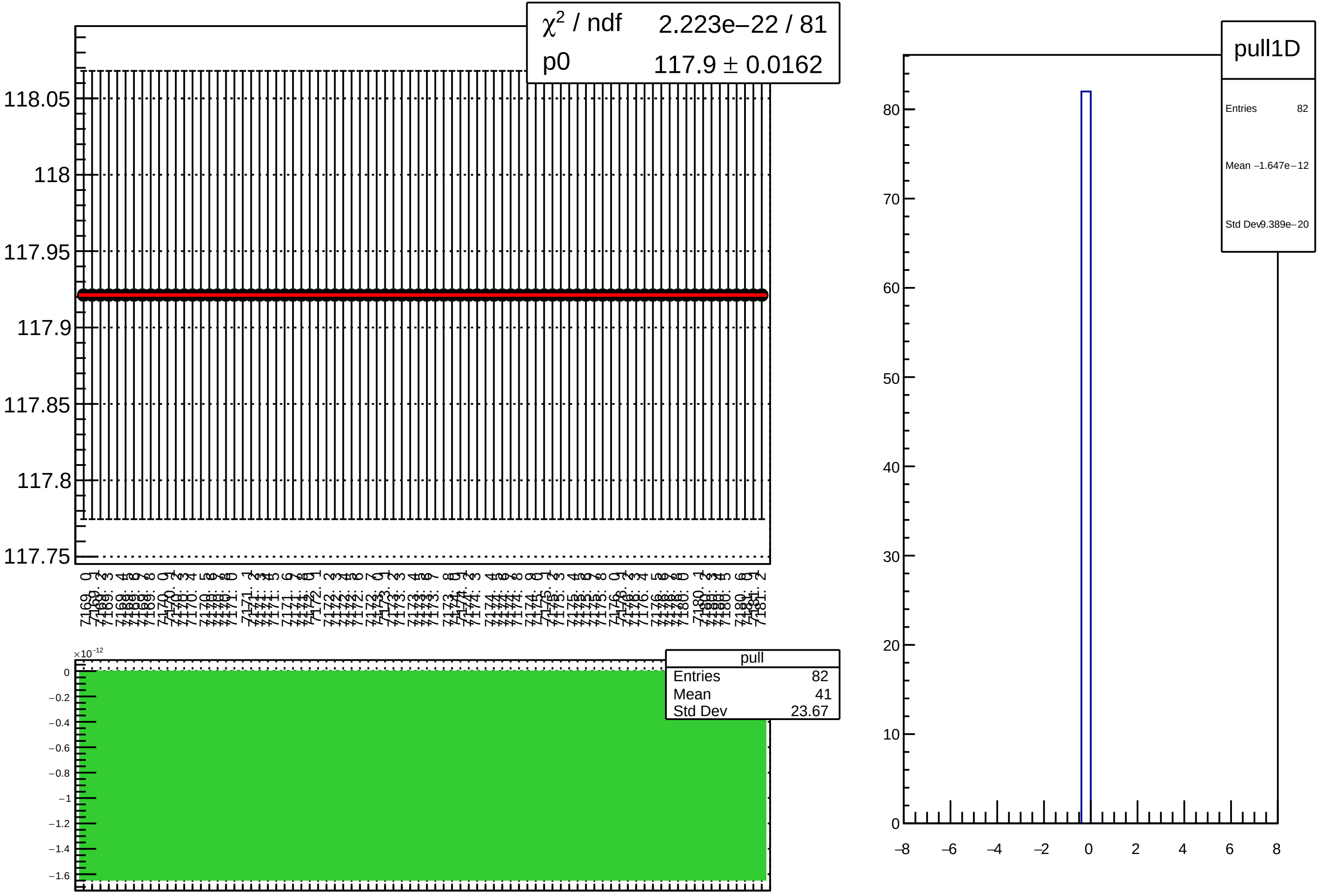
dit_sam5_4eX_slope vs run
χ^2 / ndf 2.248e−27 / 81
p0 −4.815 ± 0.0562
−4.4
−4.6
−4.8
−5
−5.2
−5.4
$\times 10^{-15}$
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.236e−15
Std Dev2.246e−22



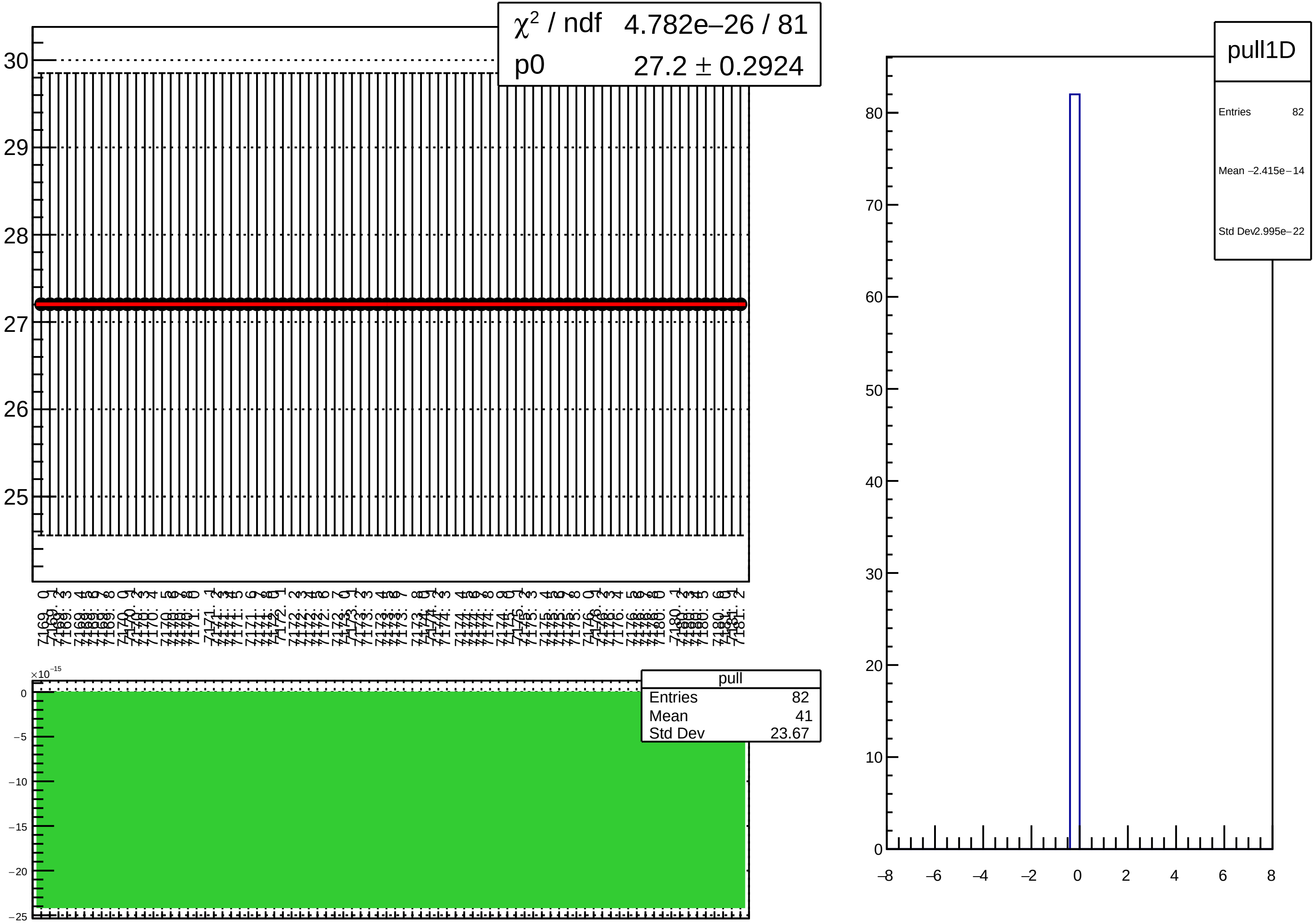
dit_sam5_11X12X_slope vs run
χ2 / ndf 3.96e−26 / 81
p0 0.3458 ± 0.002511
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.198e−14
Std Dev1.198e−21

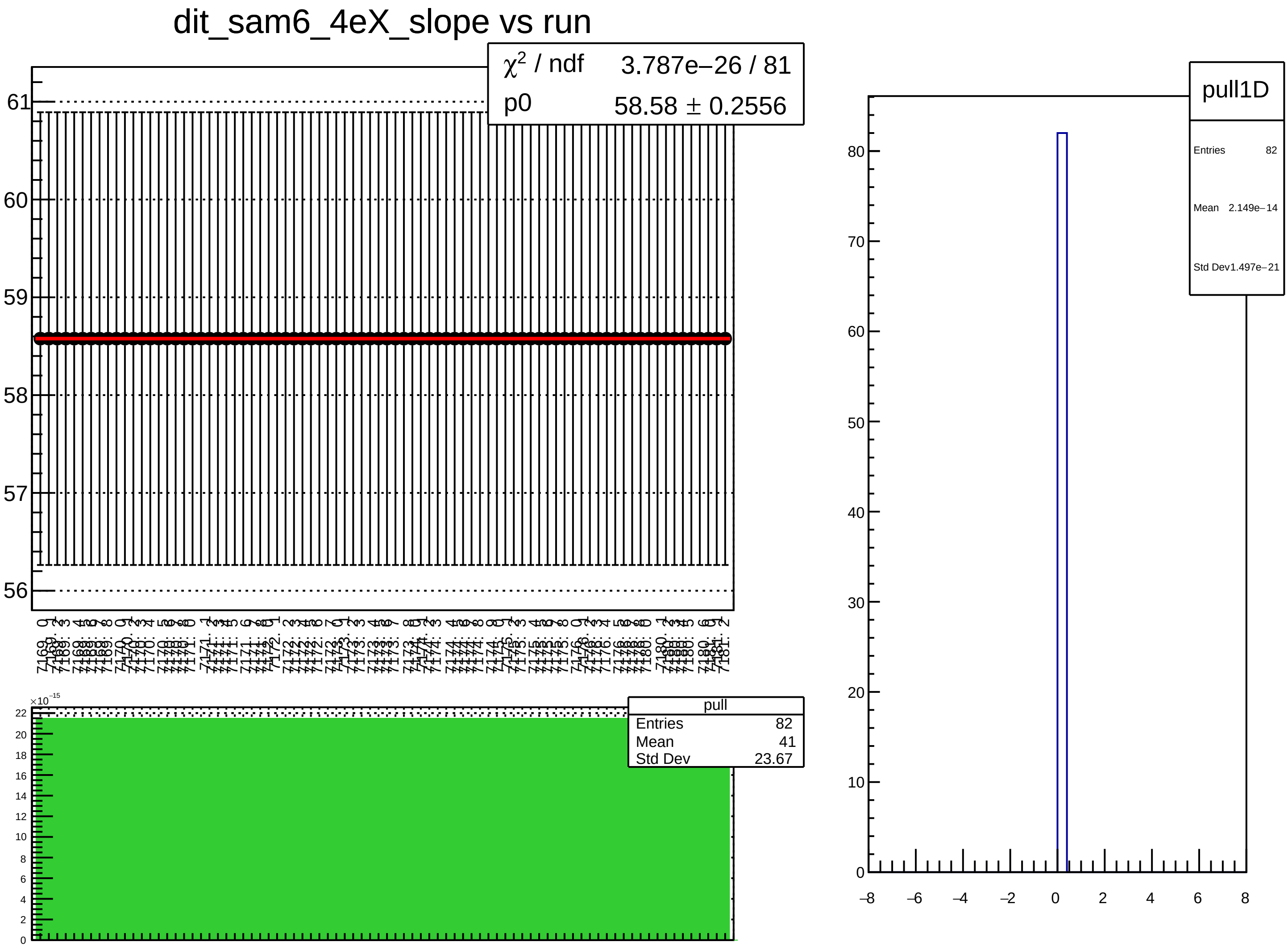

dit_sam5_4aY_slope vs run
χ^2 / ndf 2.906e−23 / 81
p0 31.39 ± 0.005931
31.44
31.42
31.4
31.38
31.36
31.34
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.953e−13
Std Dev2.033e−20

dit_sam5_4eY_slope vs run

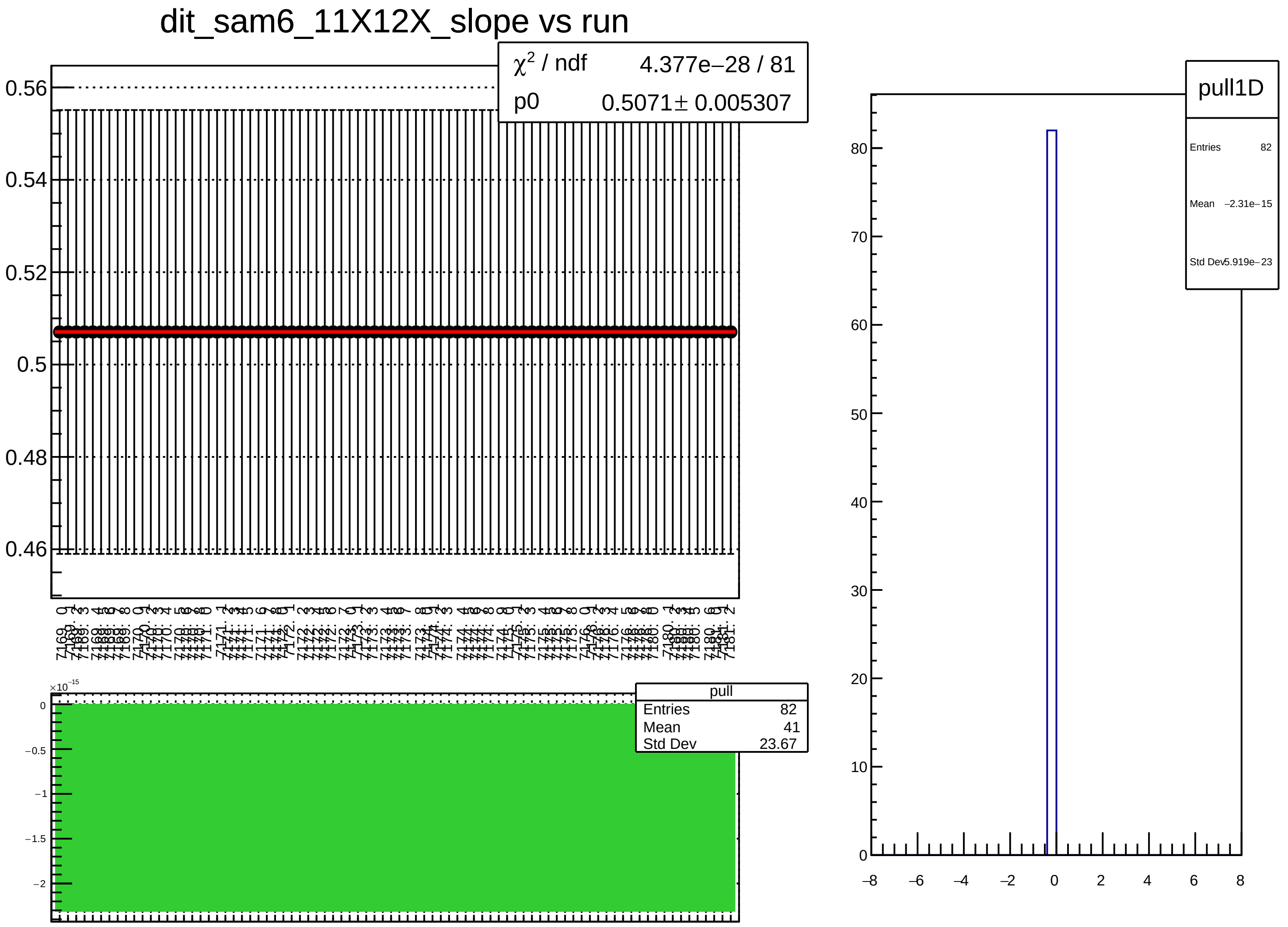


dit_sam6_4aX_slope vs run

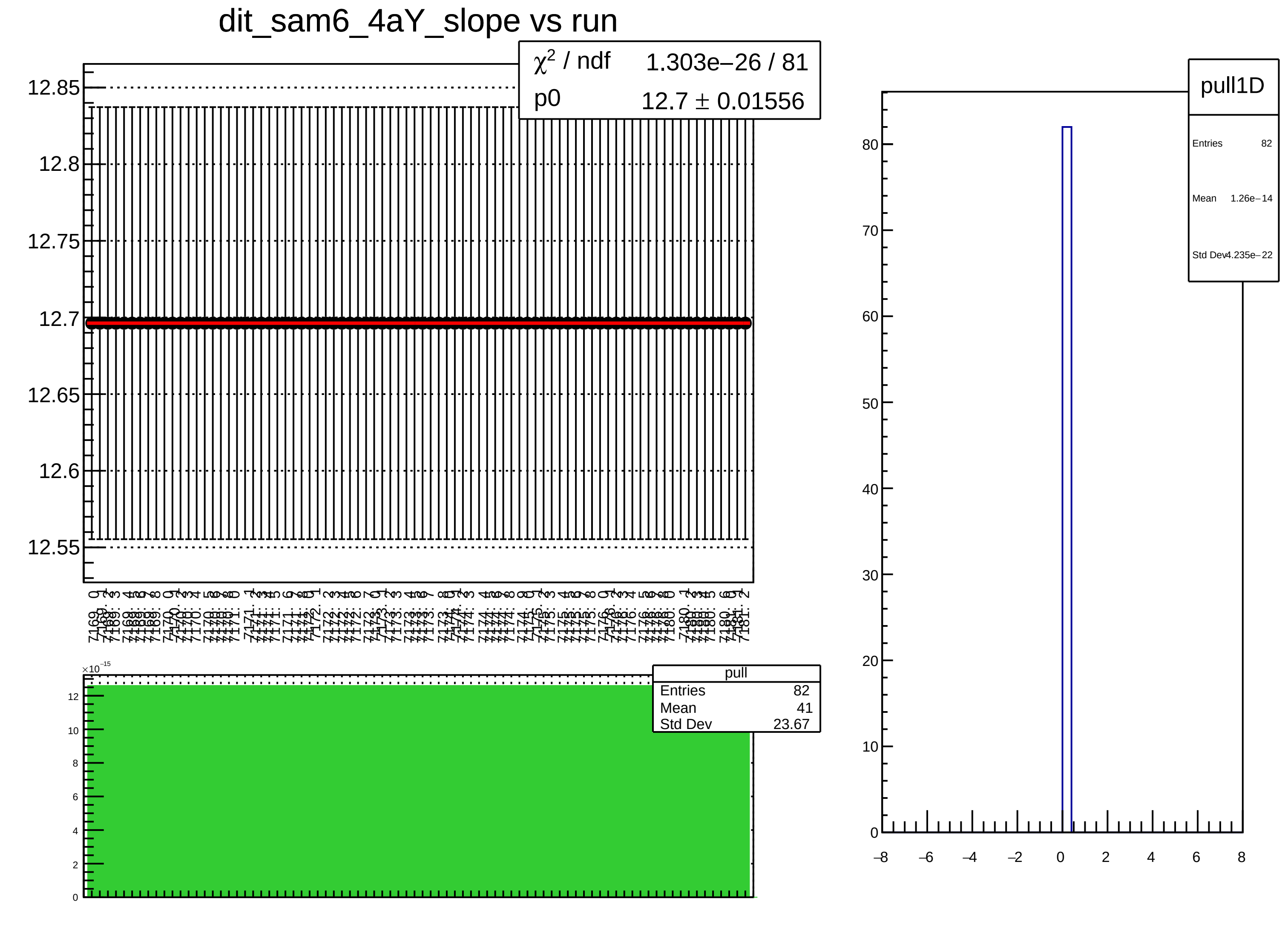




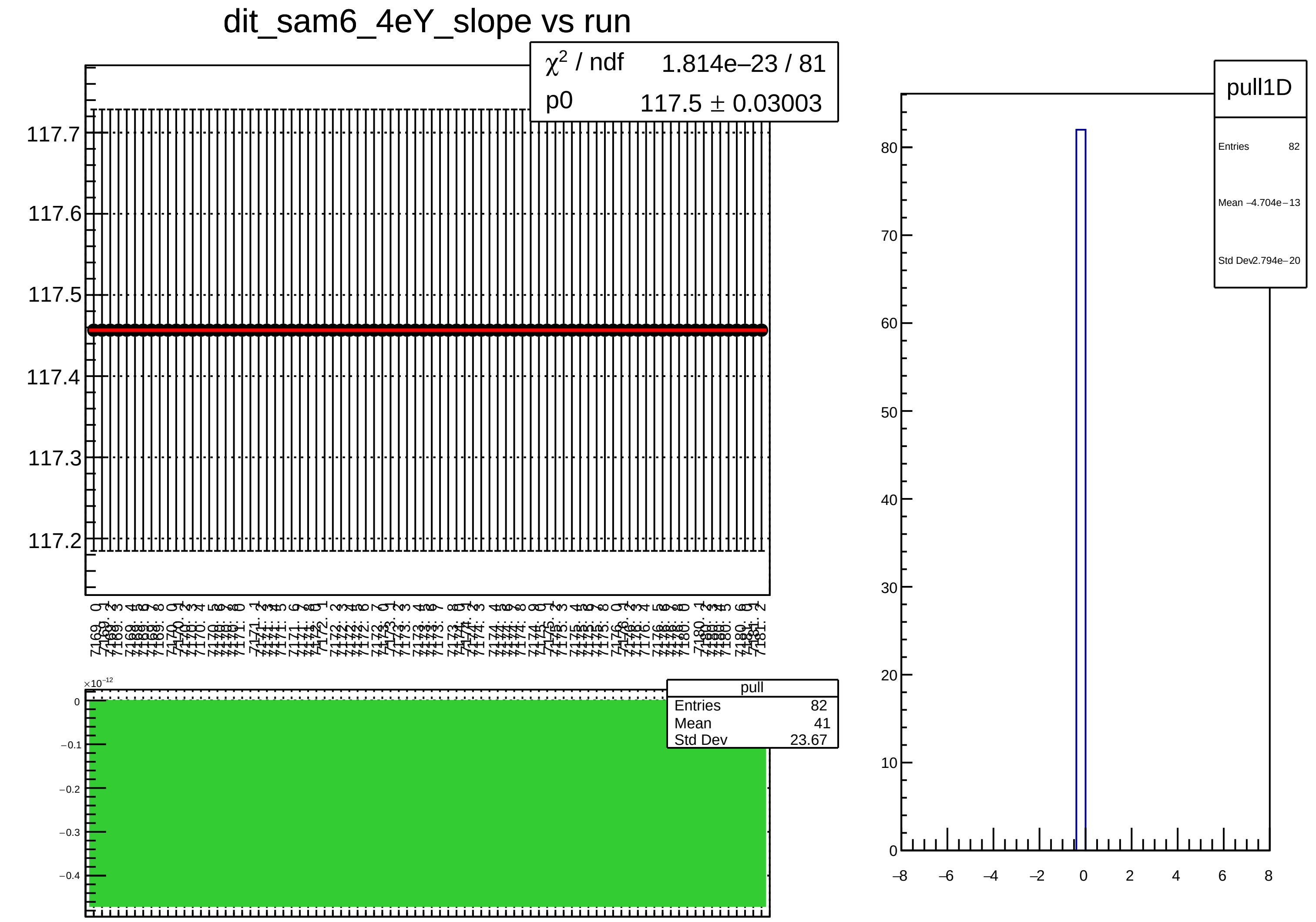
dit_sam6_4eX_slope vs run
χ^2 / ndf 3.787e−26 / 81
p0 58.58 ± 0.2556
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.149e−14
Std Dev 1.497e−21



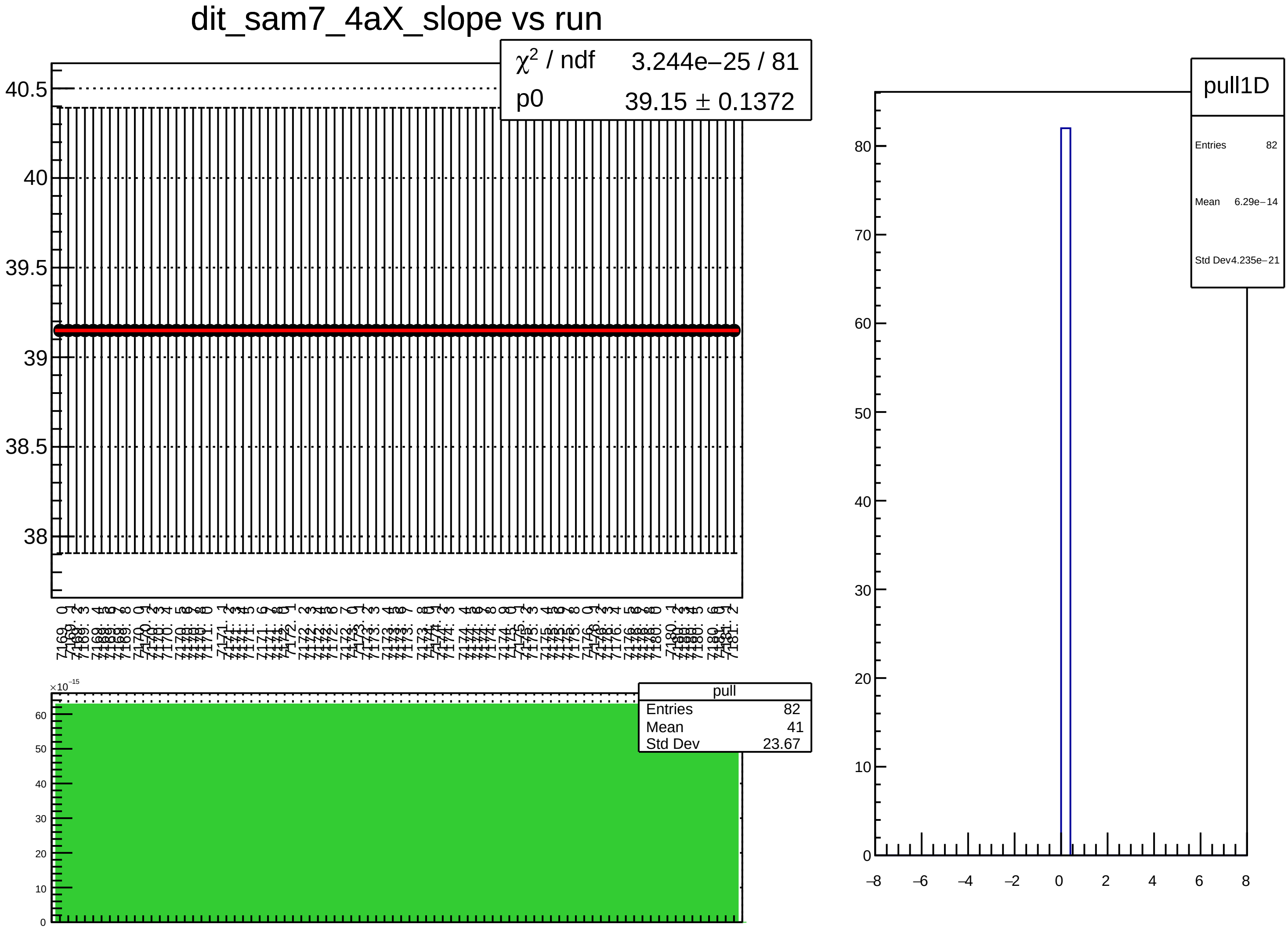
dit_sam6_11X12X_slope vs run
χ^2 / ndf 4.377e−28 / 81
p0 0.5071± 0.005307
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.31e−15
Std Dev 5.919e−23



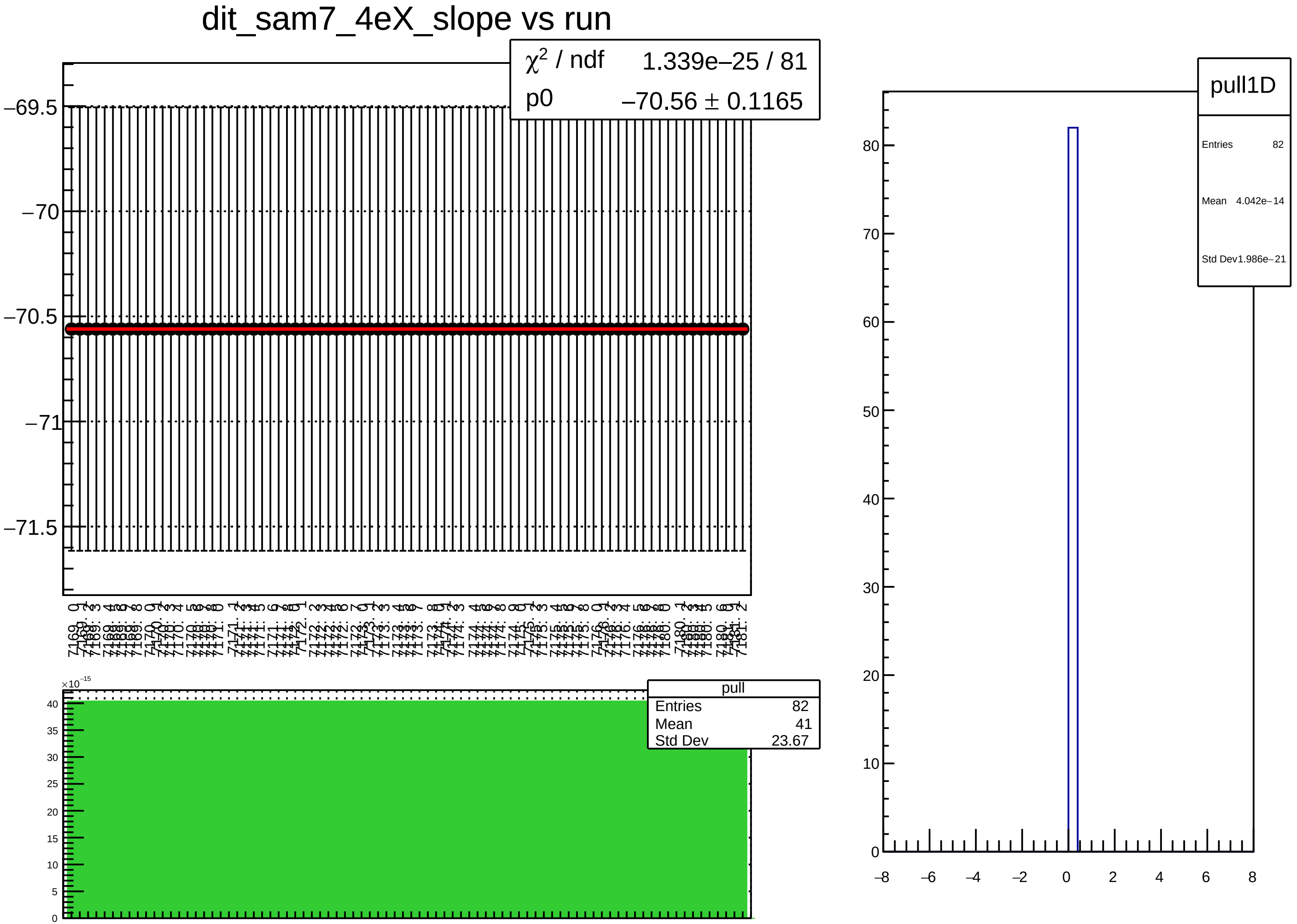
dit_sam6_4aY_slope vs run
χ^2 / ndf 1.303e−26 / 81
p0 12.7 ± 0.01556
12.85
12.8
12.75
12.7
12.65
12.6
12.55
×10^{-15}
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.26e−14
Std Dev 4.235e−22



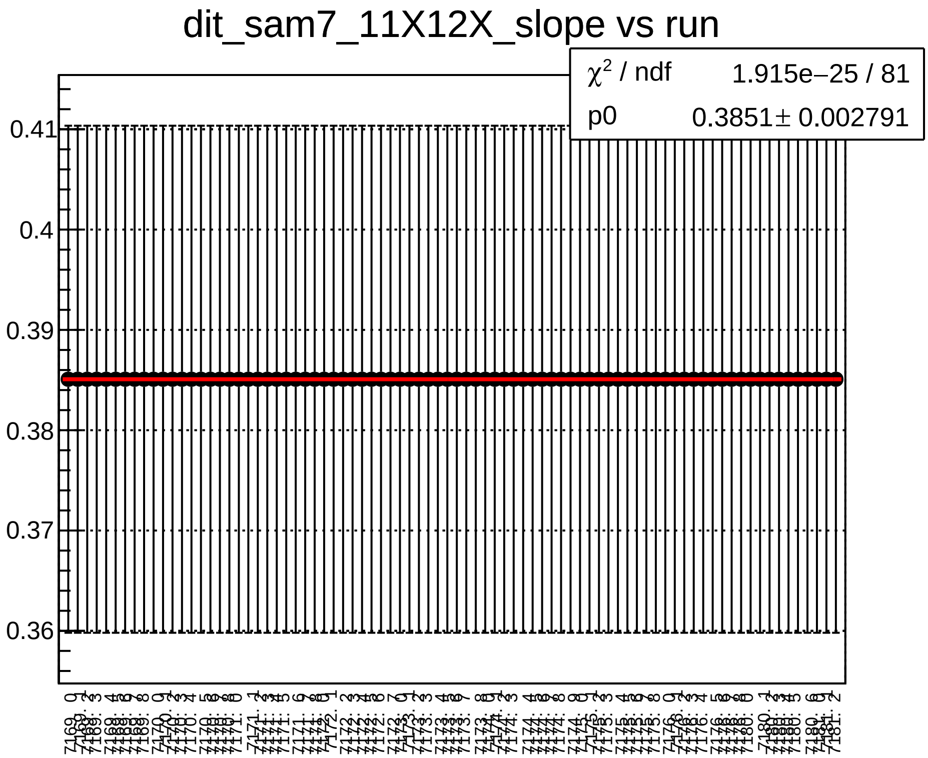
dit_sam6_4eY_slope vs run
χ2 / ndf 1.814e−23 / 81
p0 117.5 ± 0.03003
117.7
117.6
117.5
117.4
117.3
117.2
×10−12
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.704e−13
Std Dev 2.794e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



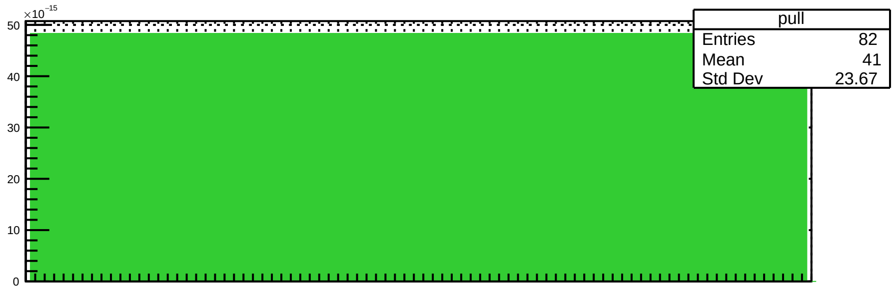
dit_sam7_4aX_slope vs run
χ2 / ndf 3.244e−25 / 81
p0 39.15 ± 0.1372
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 6.29e−14
Std Dev 4.235e−21



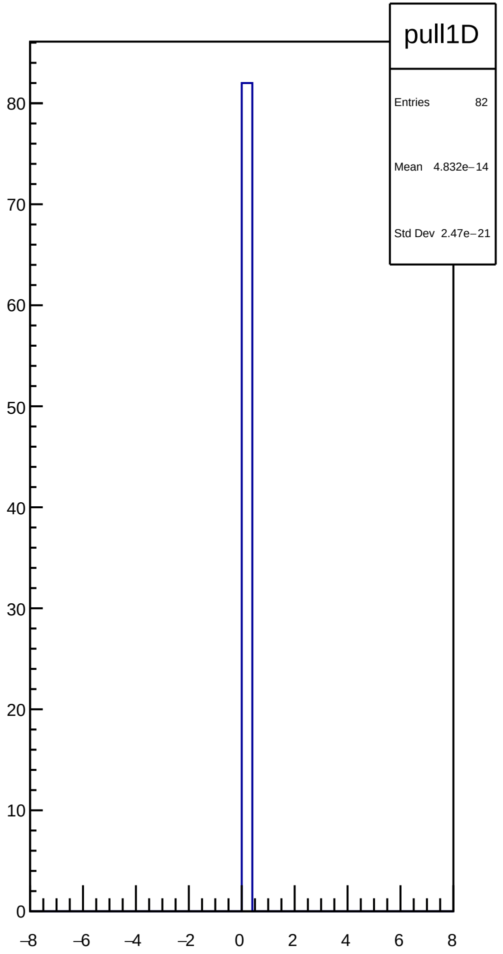
dit_sam7_4eX_slope vs run
χ^2 / ndf 1.339e−25 / 81
p0 −70.56 ± 0.1165
−69.5
−70
−70.5
−71
−71.5
×10⁻¹⁵
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.042e−14
Std Dev 1.986e−21



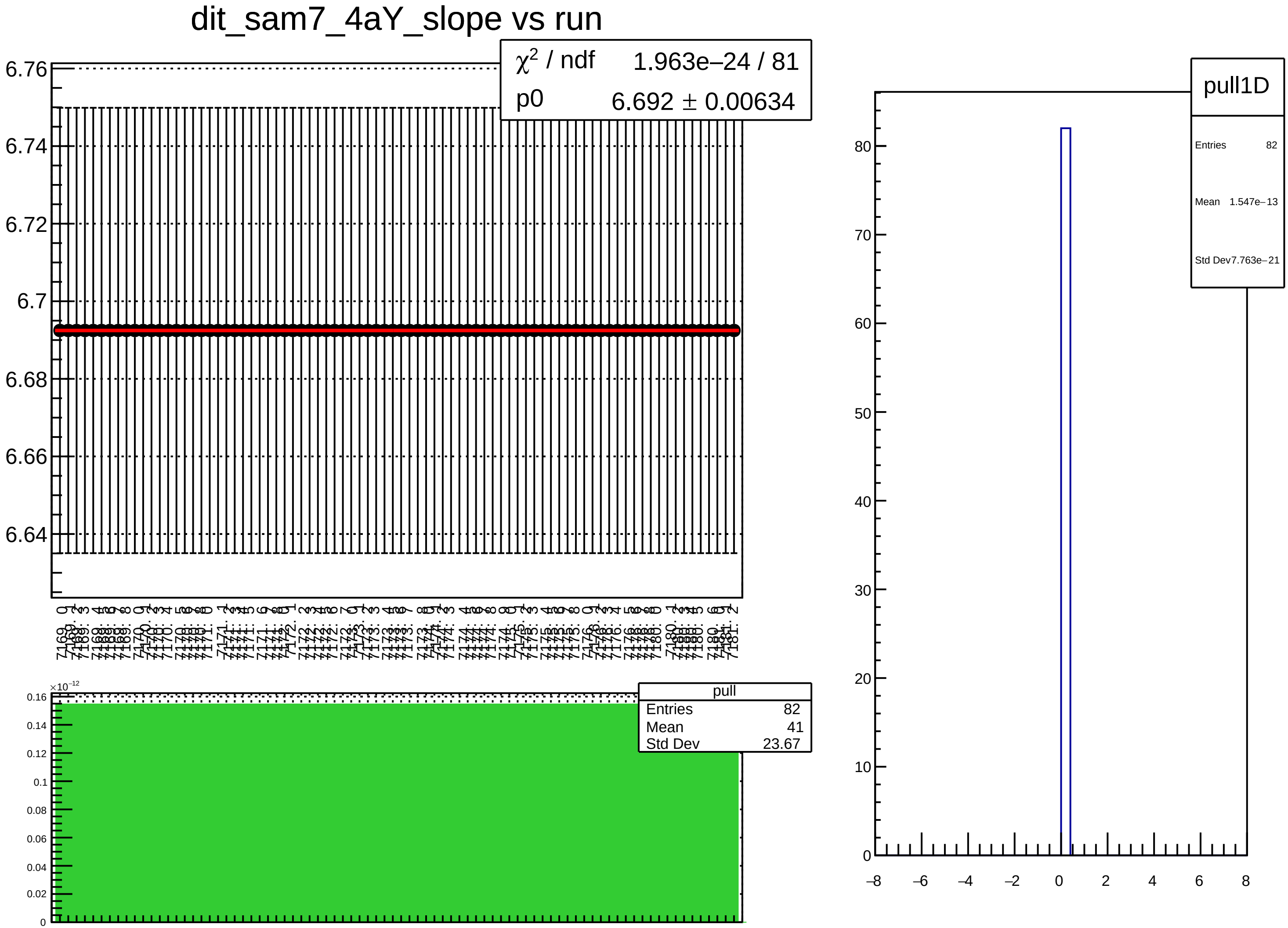
dit_sam7_11X12X_slope vs run
χ^2 / ndf 1.915e−25 / 81
p0 0.3851 ± 0.002791
0.41
0.4
0.39
0.38
0.37
0.36



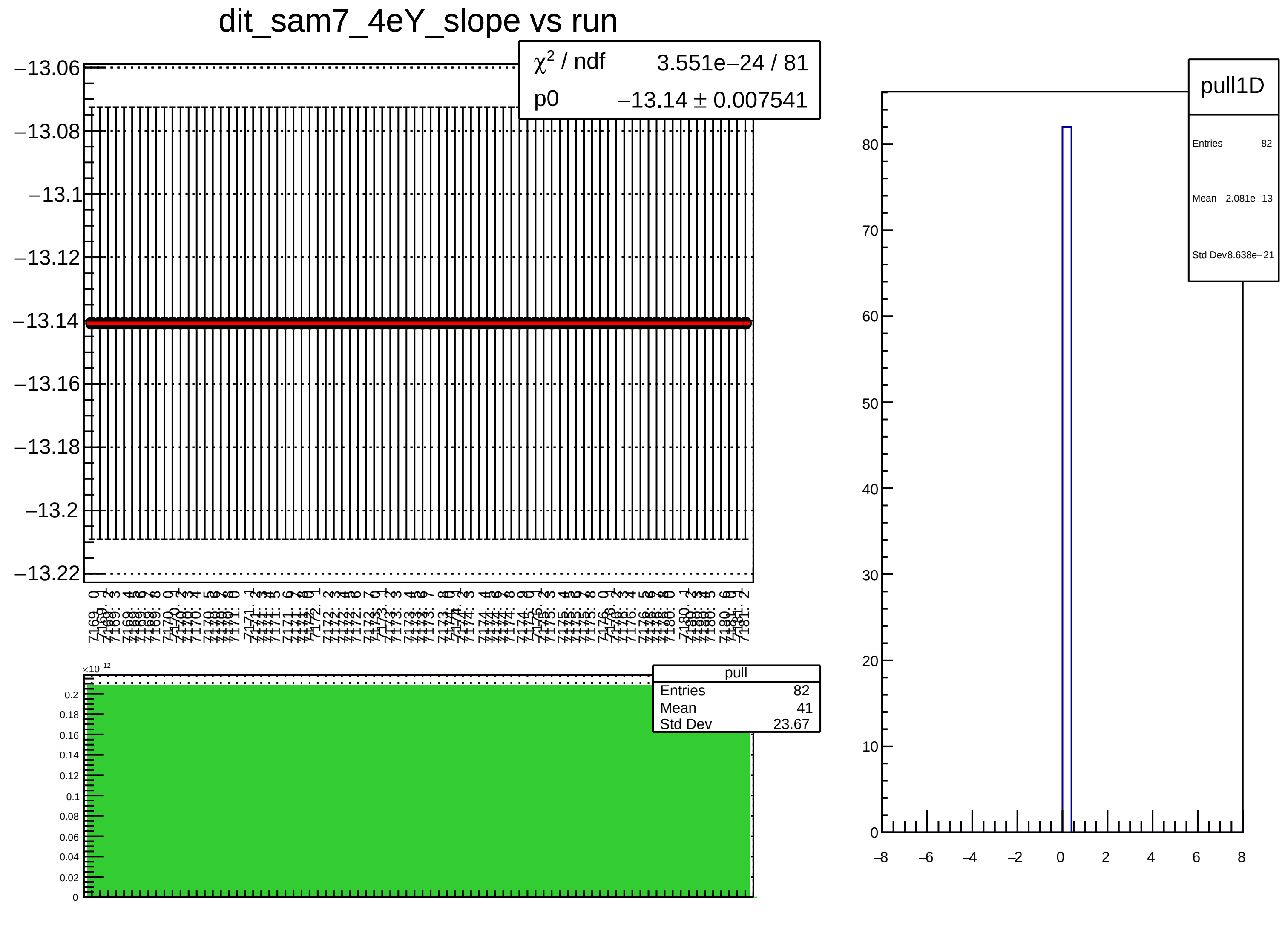
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 82
Mean 41
Std Dev 23.67



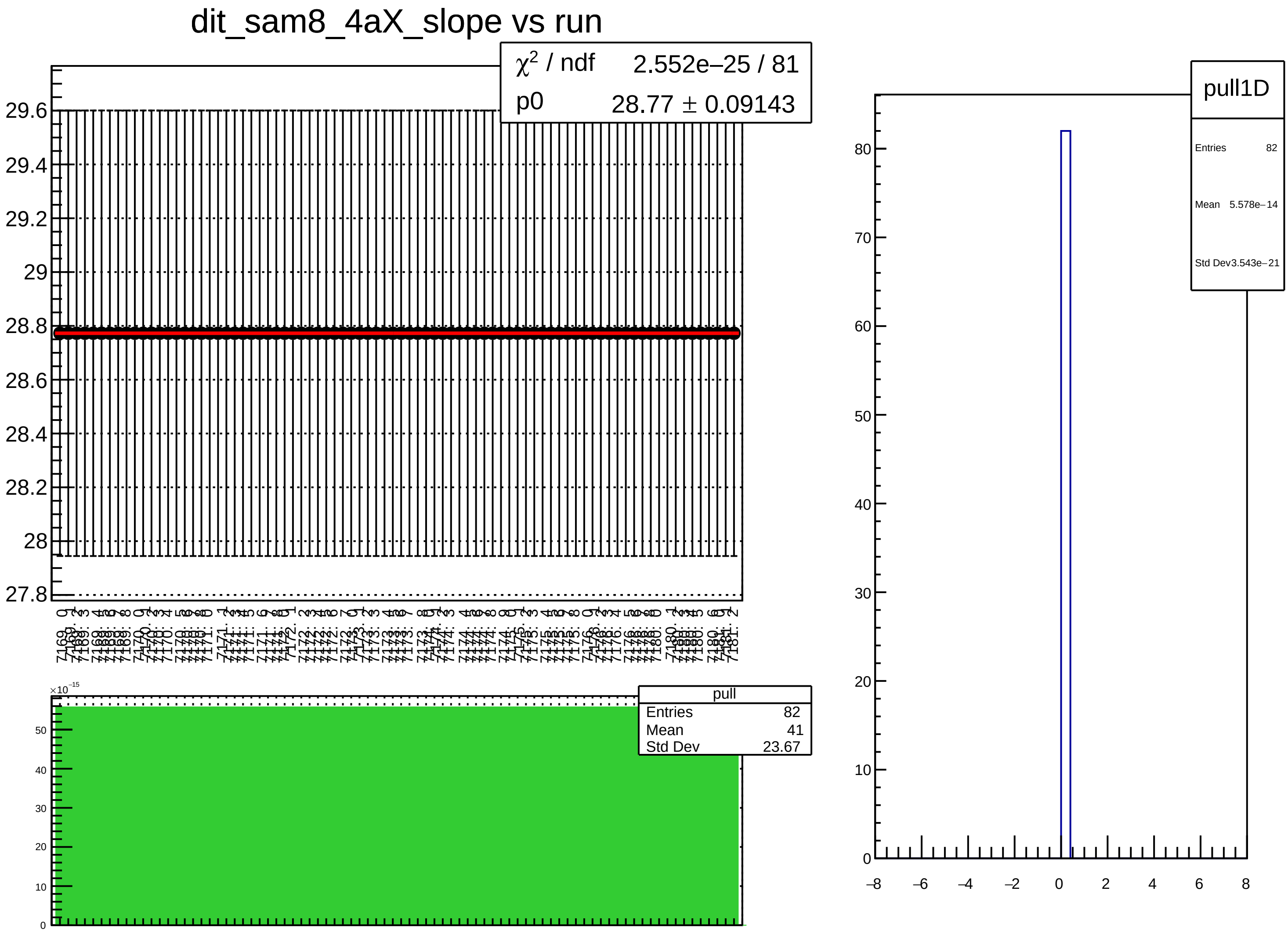
pull1D
Entries 82
Mean 4.832e−14
Std Dev 2.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

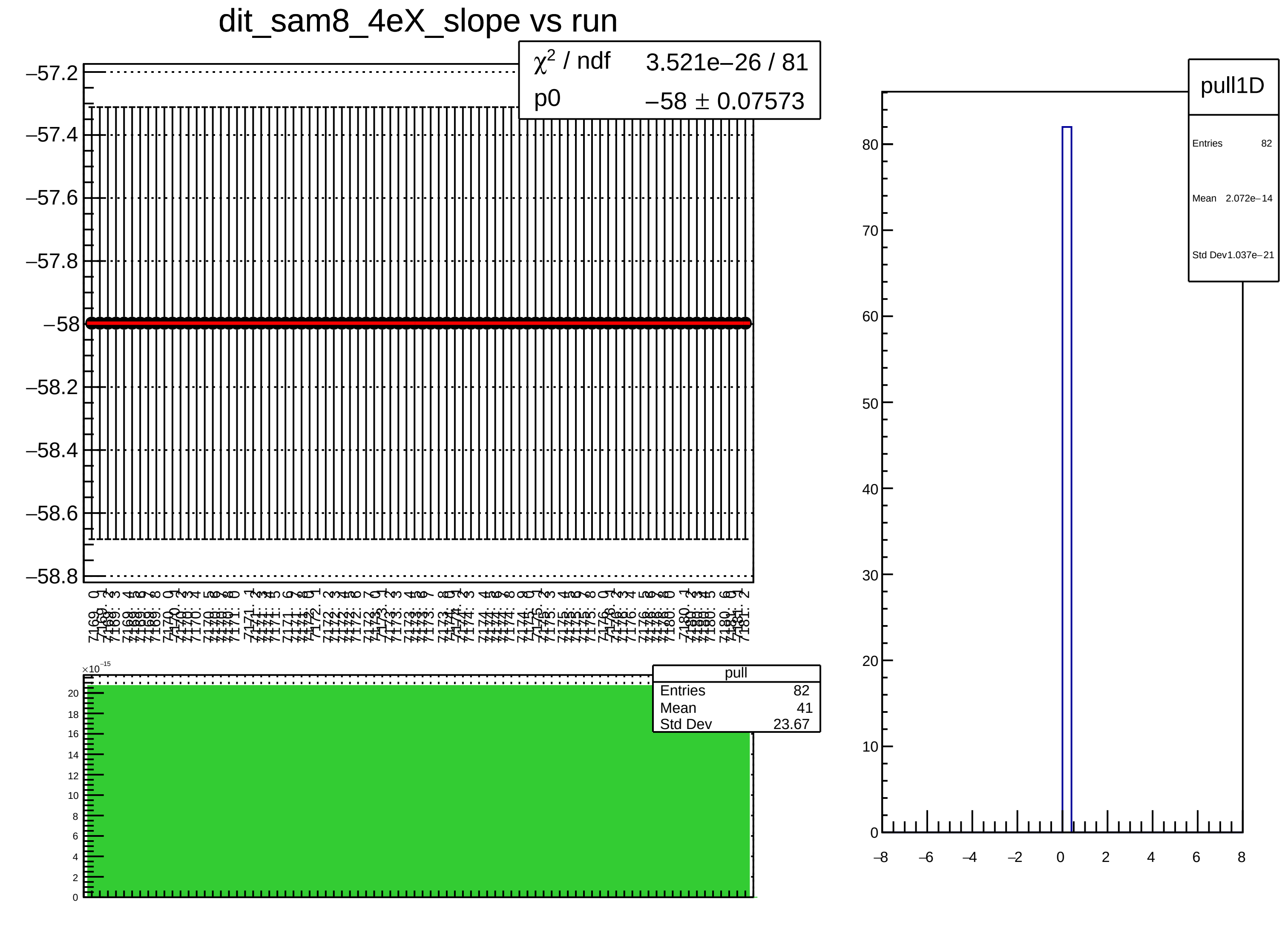


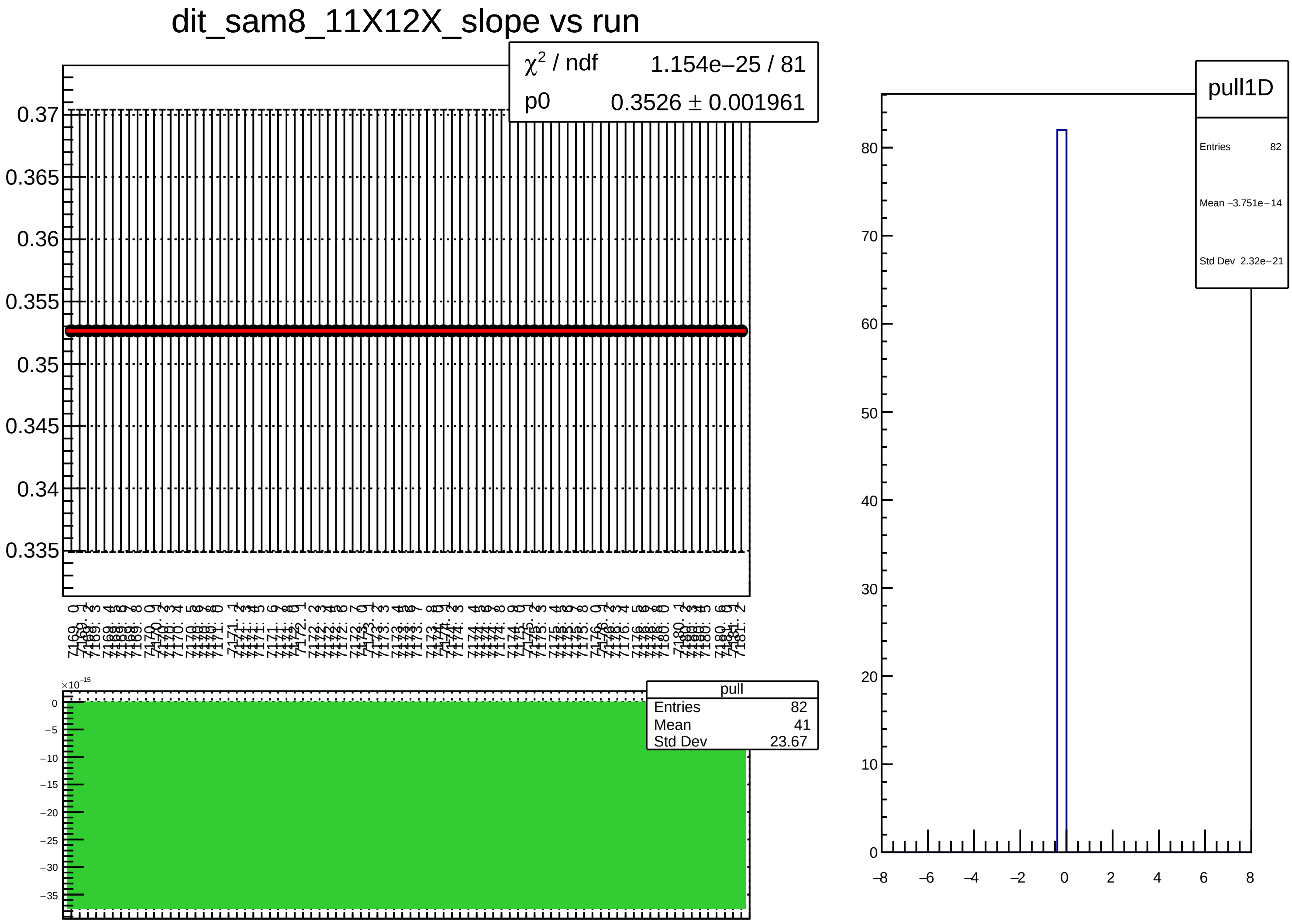
dit_sam7_4aY_slope vs run
χ2 / ndf 1.963e−24 / 81
p0 6.692 ± 0.00634
6.76
6.74
6.72
6.7
6.68
6.66
6.64
×10−12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.547e−13
Std Dev 7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



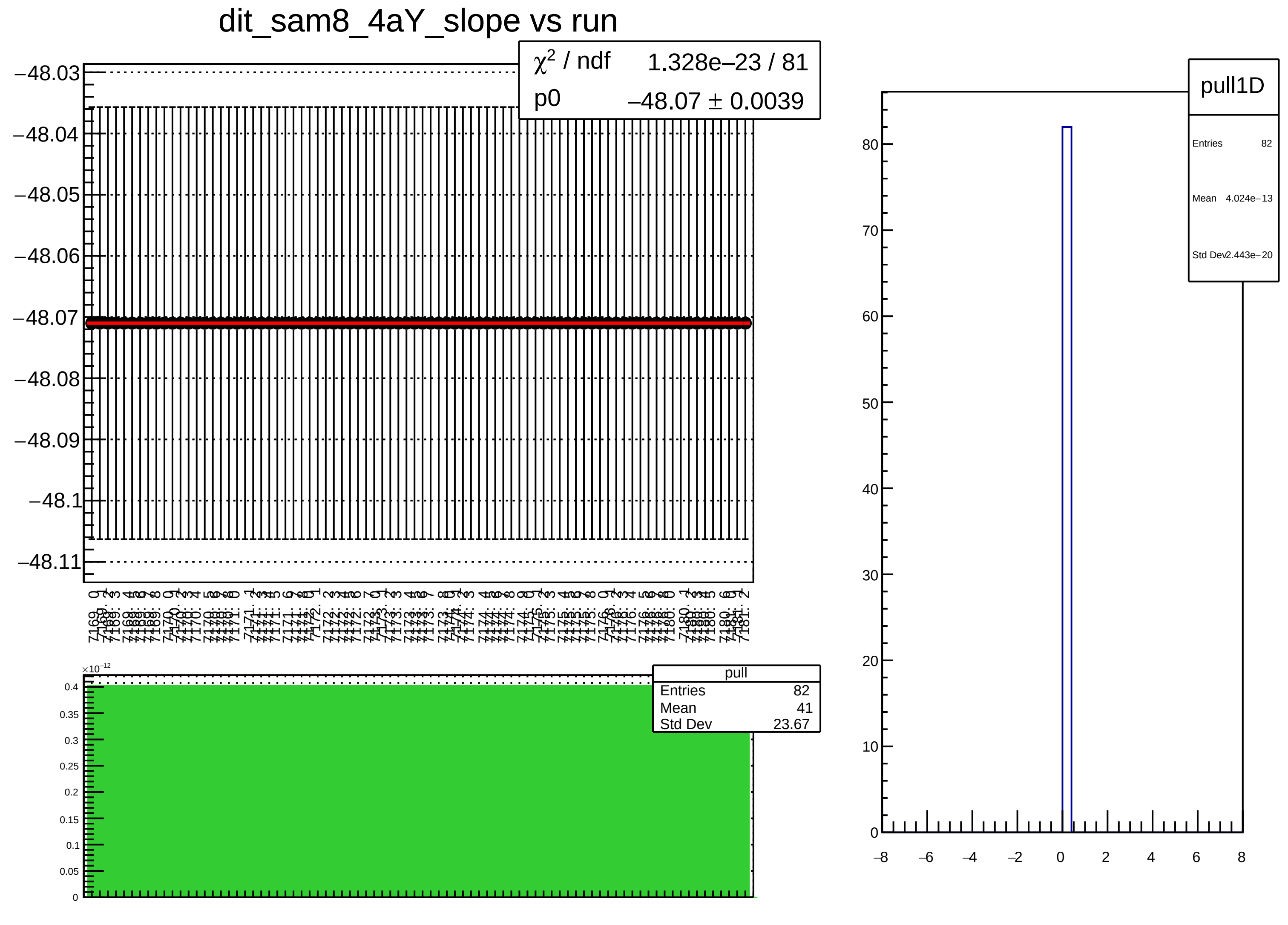
dit_sam7_4eY_slope vs run
χ^2 / ndf 3.551e−24 / 81
p0 −13.14 ± 0.007541
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.081e−13
Std Dev 8.638e−21


dit_sam8_4aX_slope vs run
χ2 / ndf 2.552e−25 / 81
p0 28.77 ± 0.09143
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 5.578e−14
Std Dev 3.543e−21

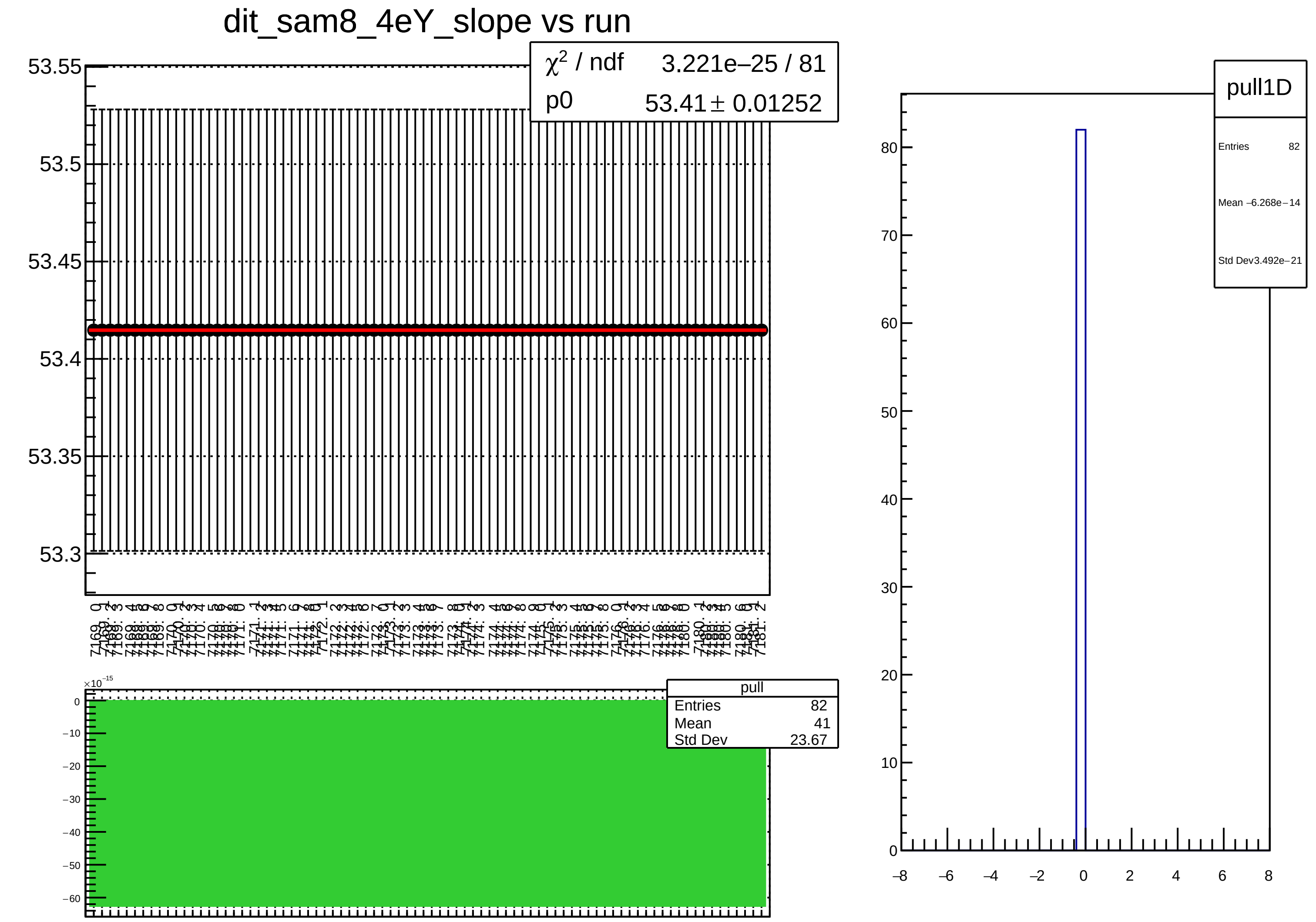

dit_sam8_4eX_slope vs run
χ2 / ndf 3.521e−26 / 81
p0 −58 ± 0.07573
−57.2
−57.4
−57.6
−57.8
−58
−58.2
−58.4
−58.6
−58.8
×10−15
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.072e−14
Std Dev 1.037e−21



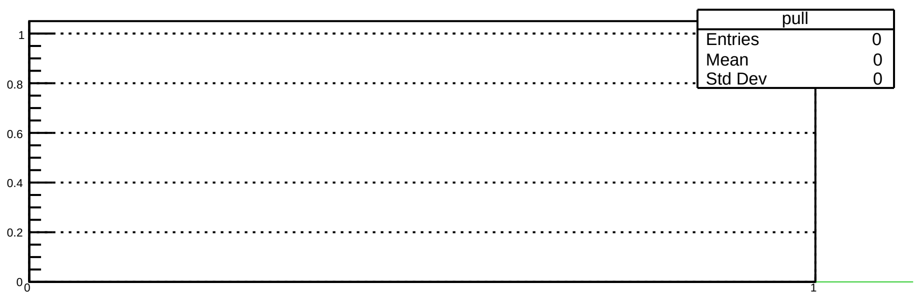
dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.154e−25 / 81
p0 0.3526 ± 0.001961
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.751e−14
Std Dev 2.32e−21

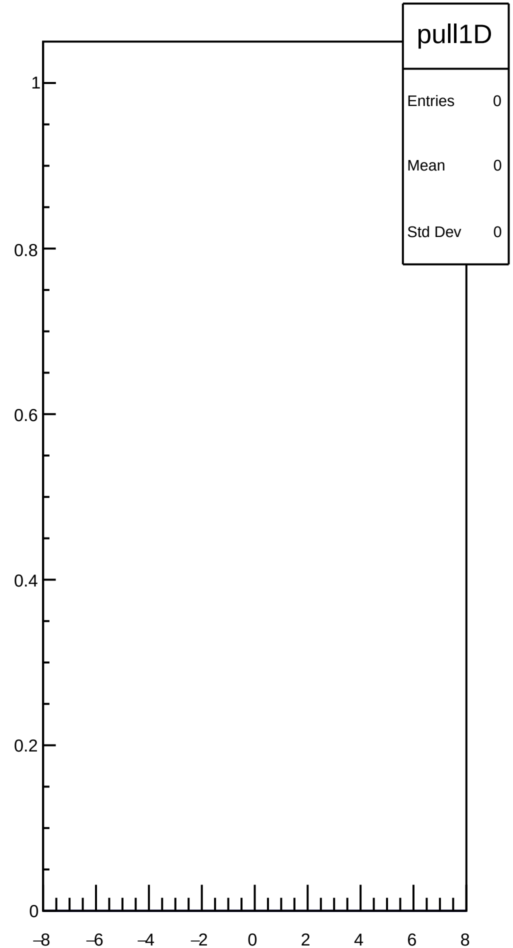


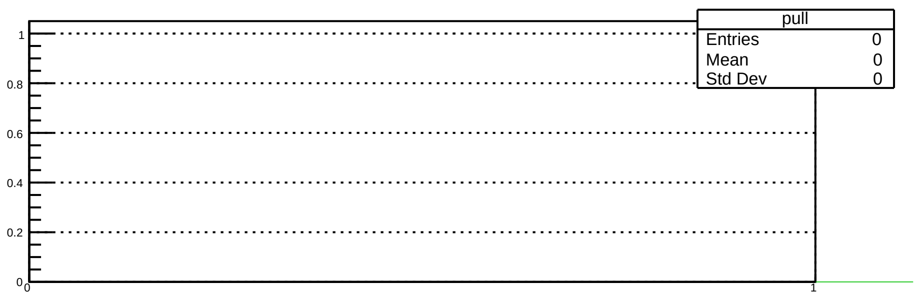
dit_sam8_4aY_slope vs run
χ2 / ndf 1.328e−23 / 81
p0 −48.07 ± 0.0039
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.024e−13
Std Dev 2.443e−20



dit_sam8_4eY_slope vs run
χ2 / ndf 3.221e−25 / 81
p0 53.41 ± 0.01252
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.268e−14
Std Dev 3.492e−21


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


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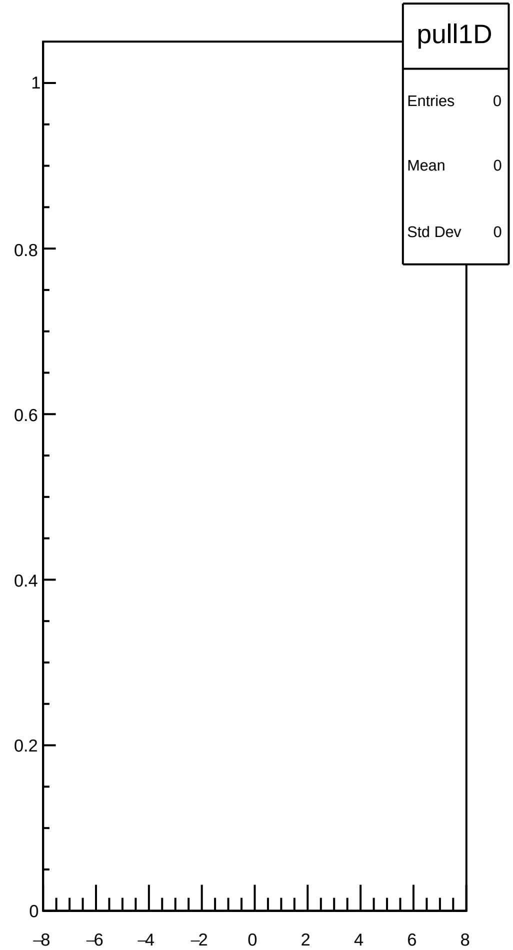
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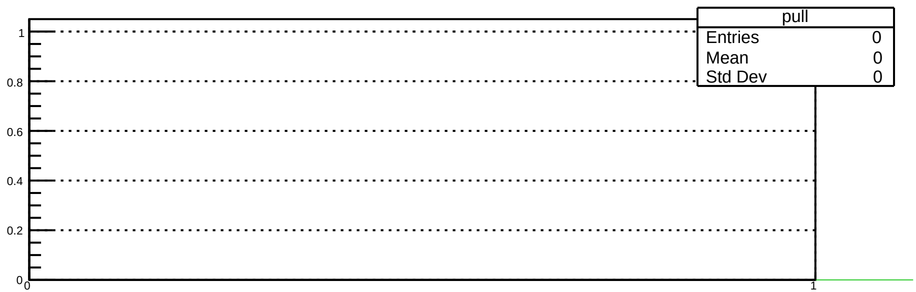
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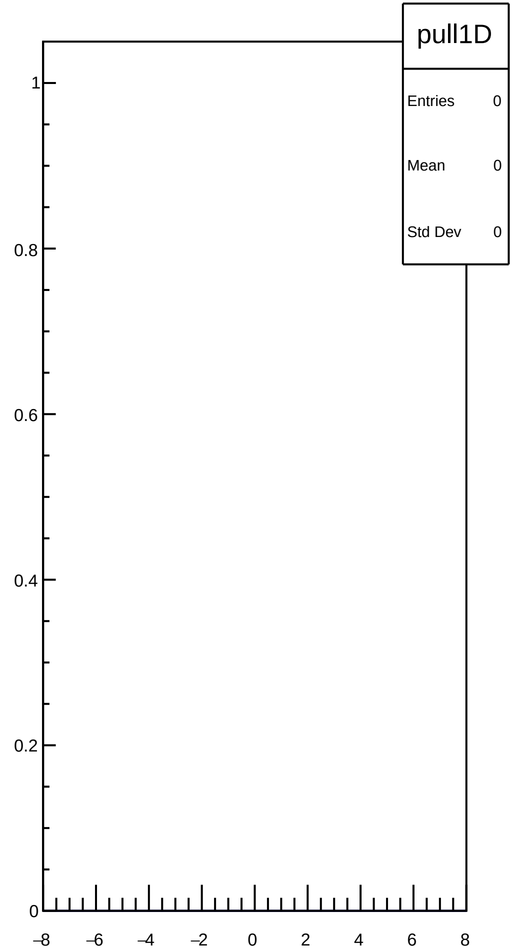
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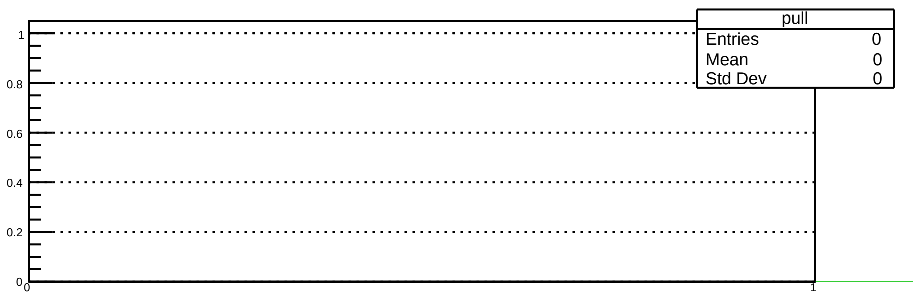
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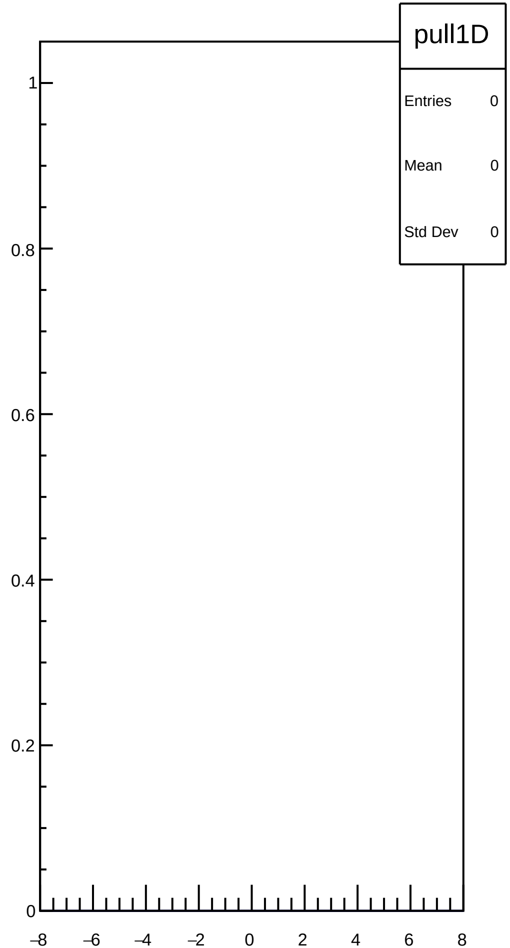
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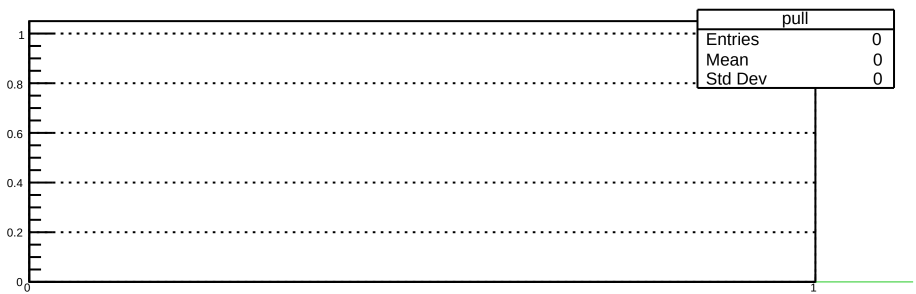
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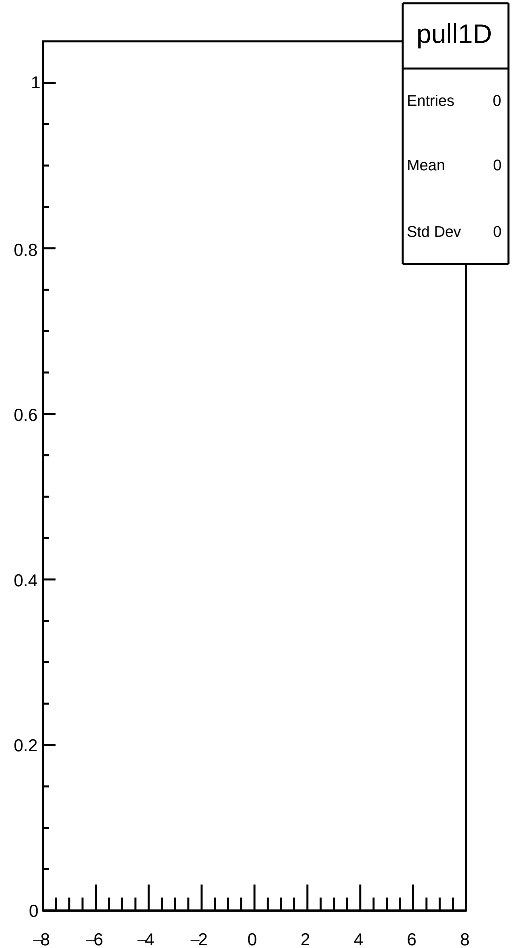
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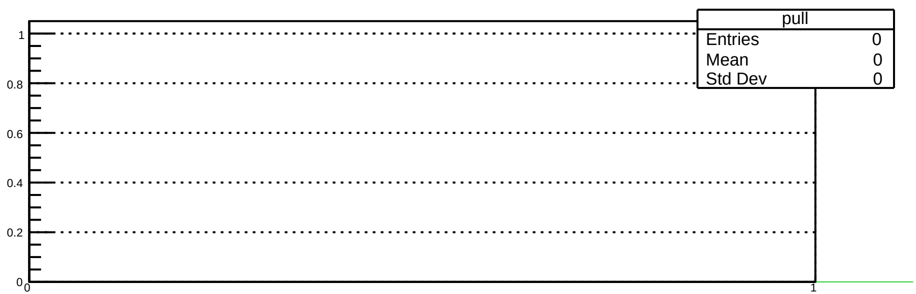

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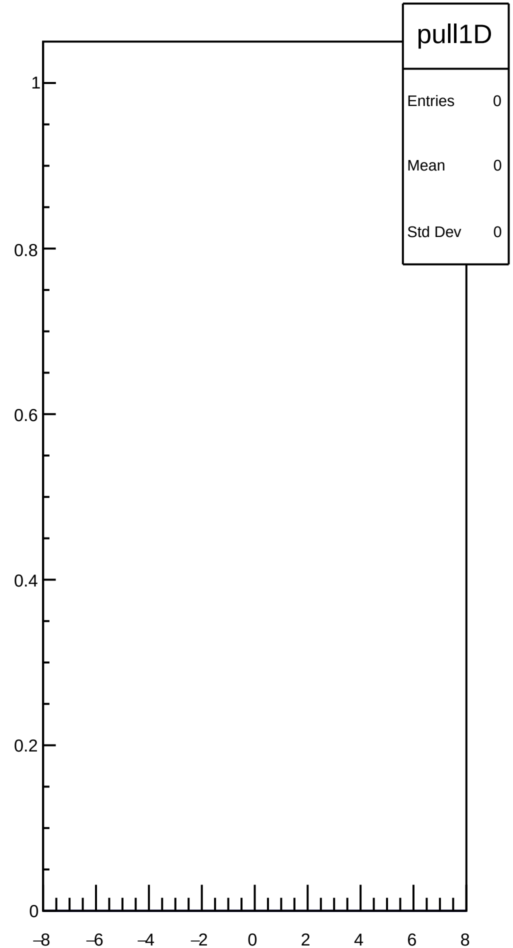

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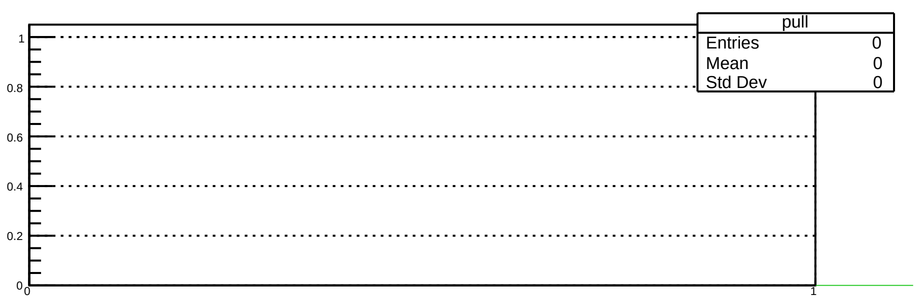
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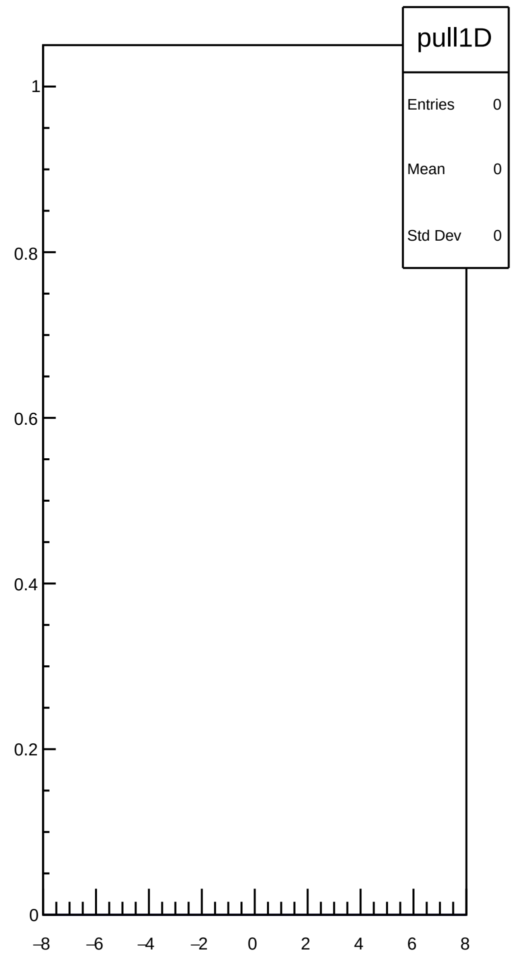
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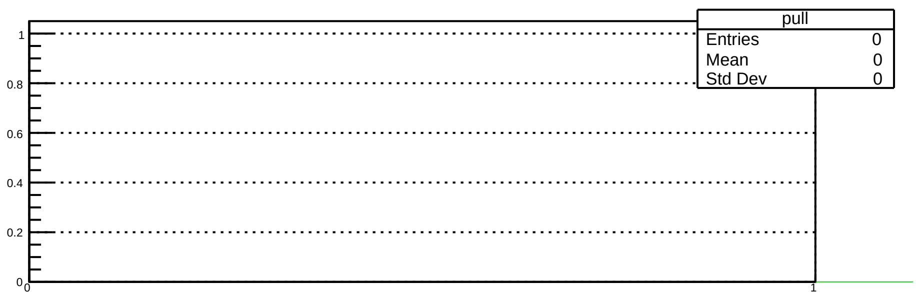
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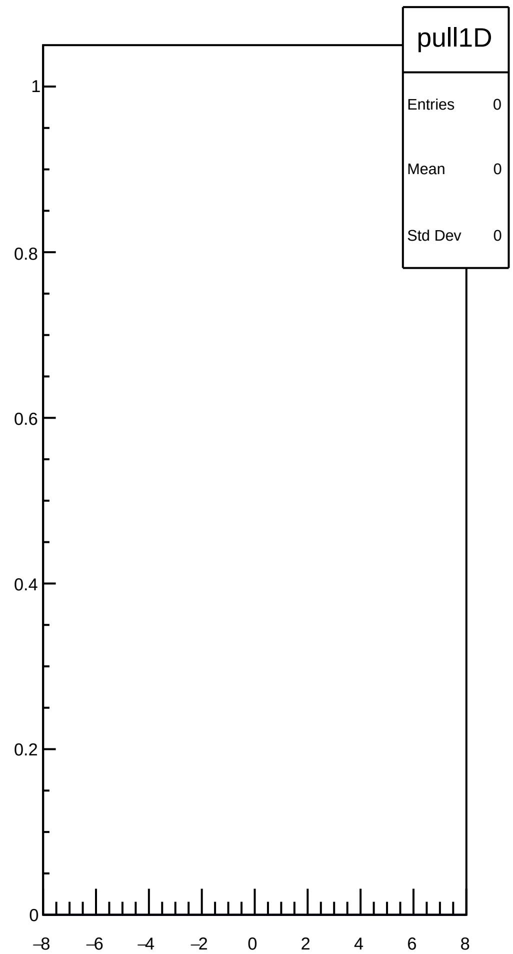
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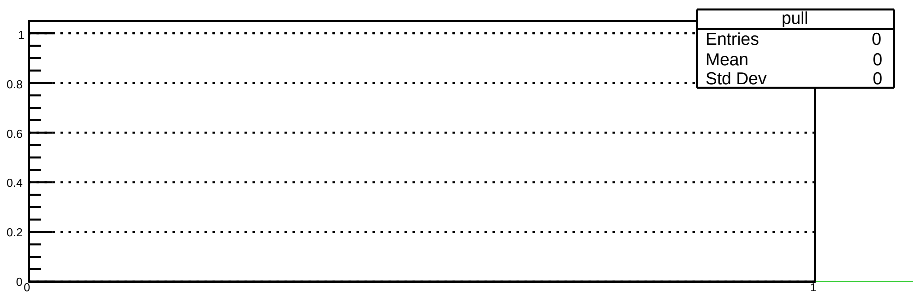
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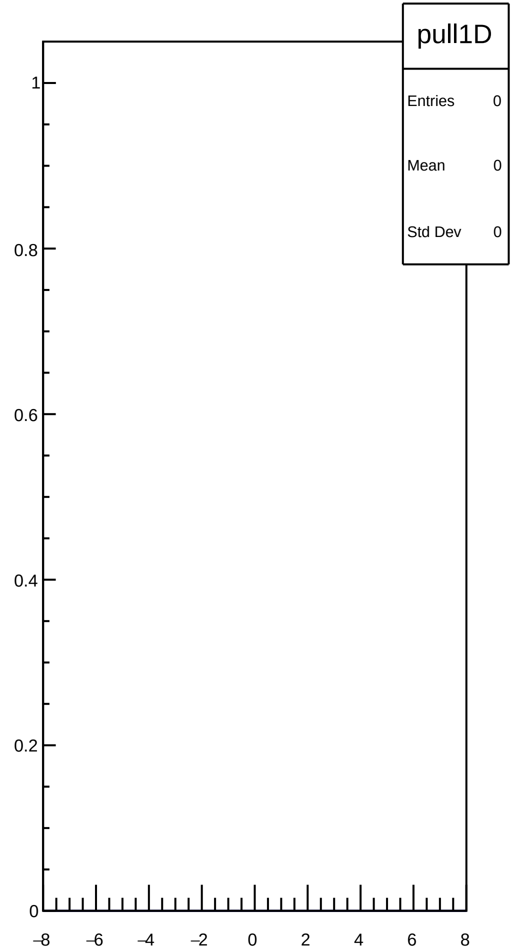
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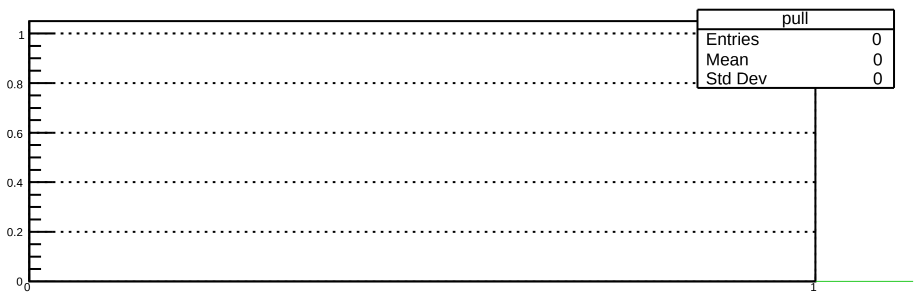
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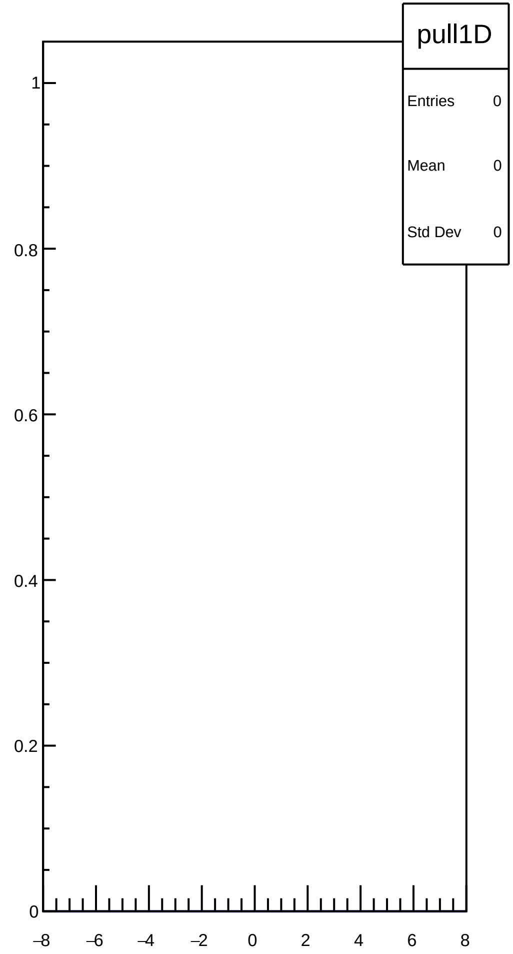
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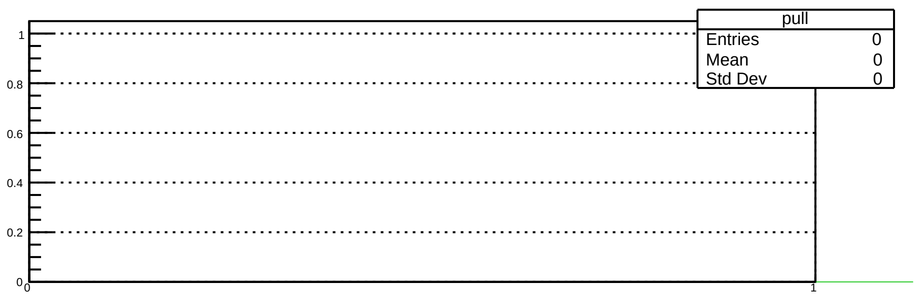
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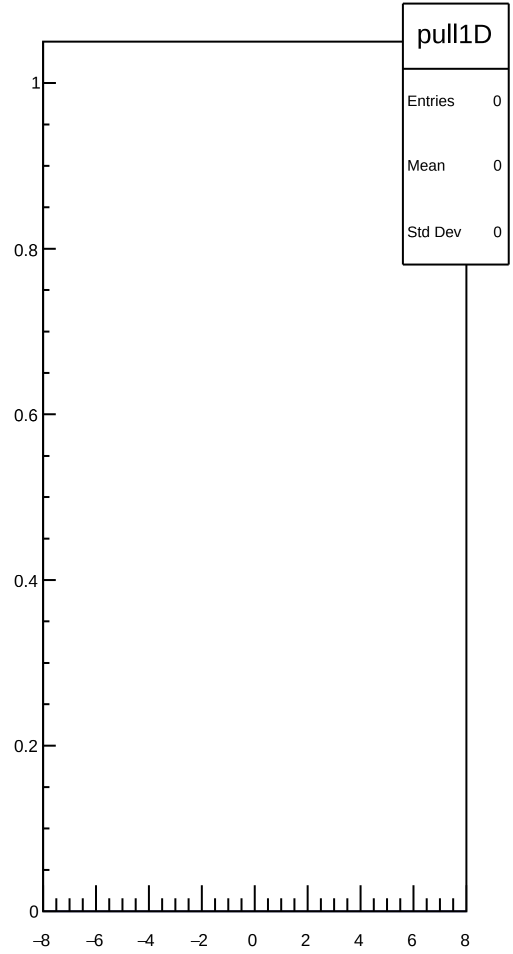
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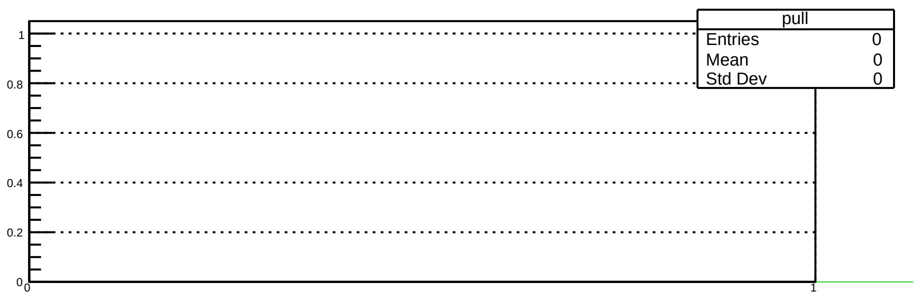
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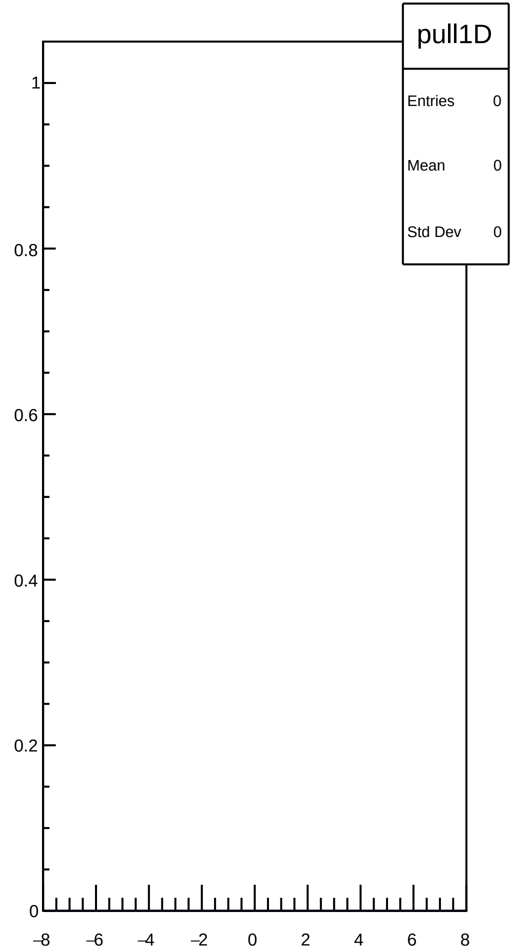
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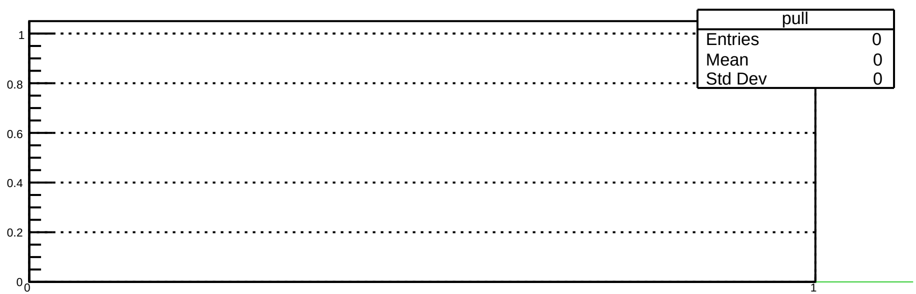
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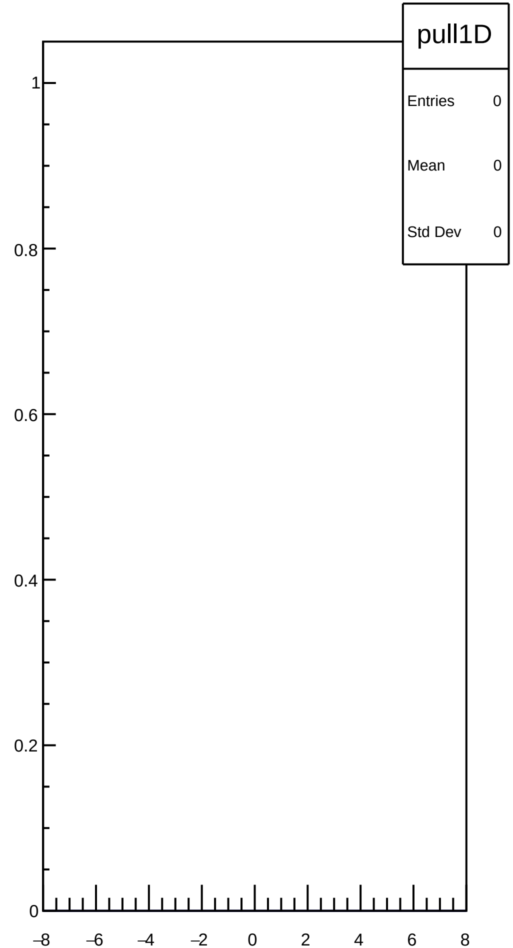
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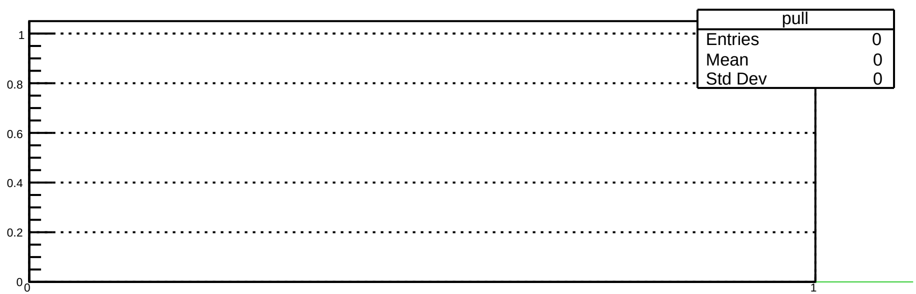

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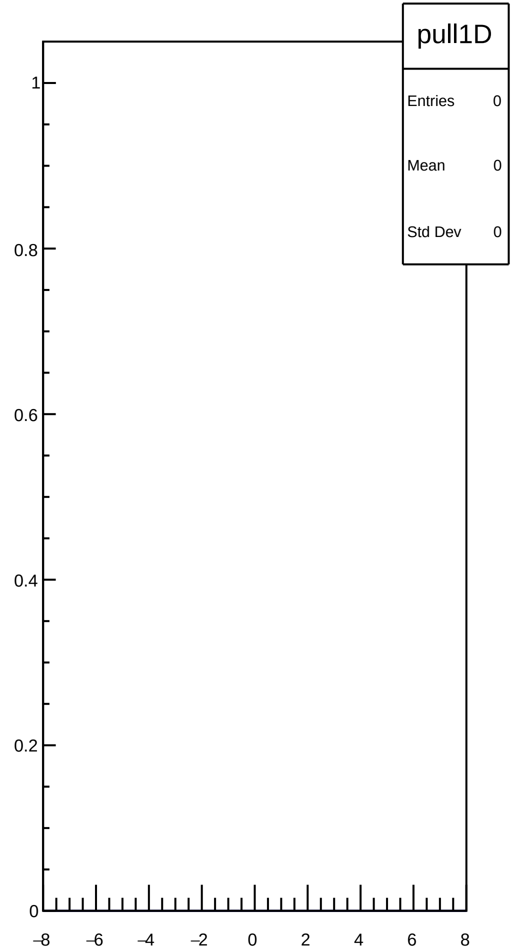

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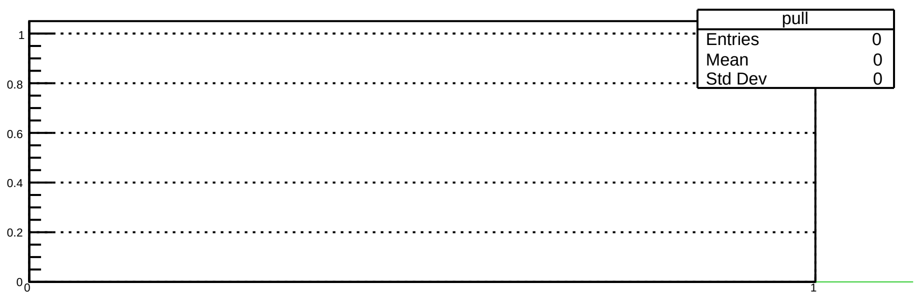

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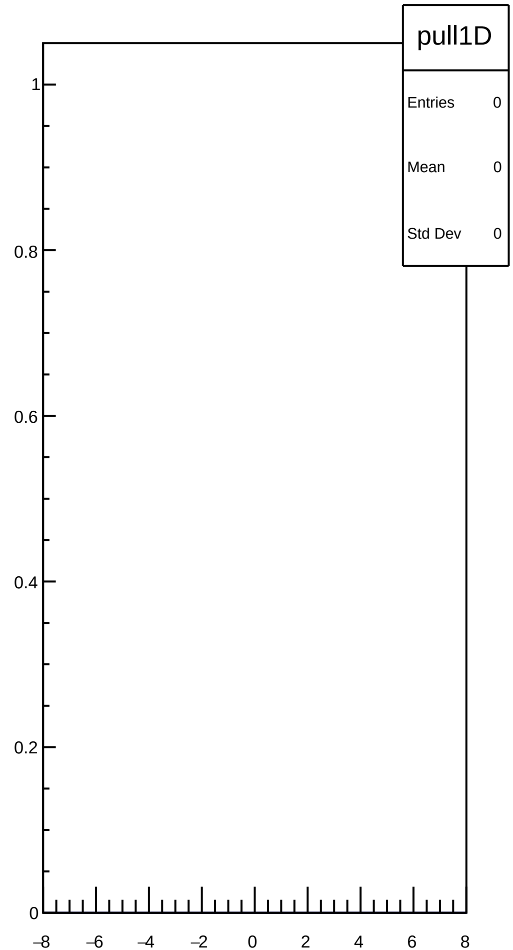

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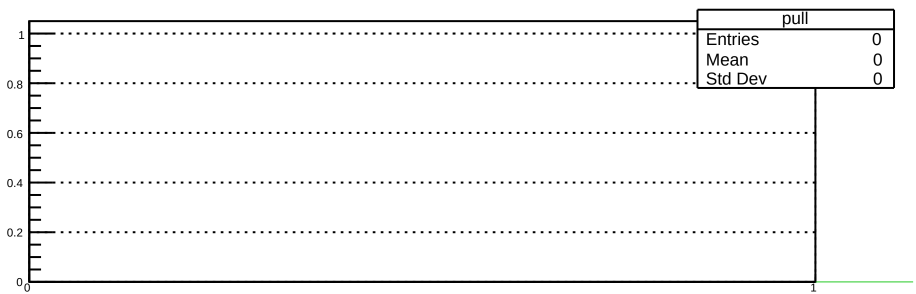
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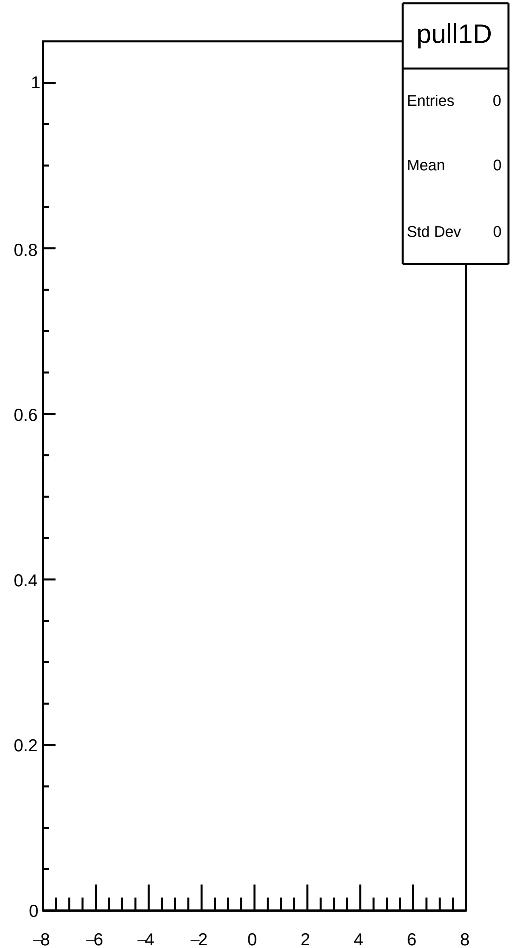
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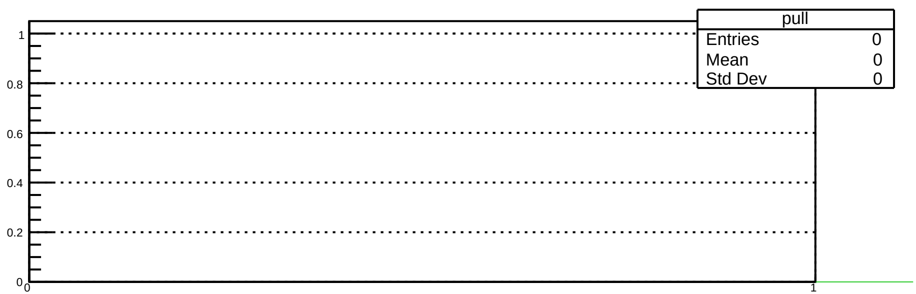
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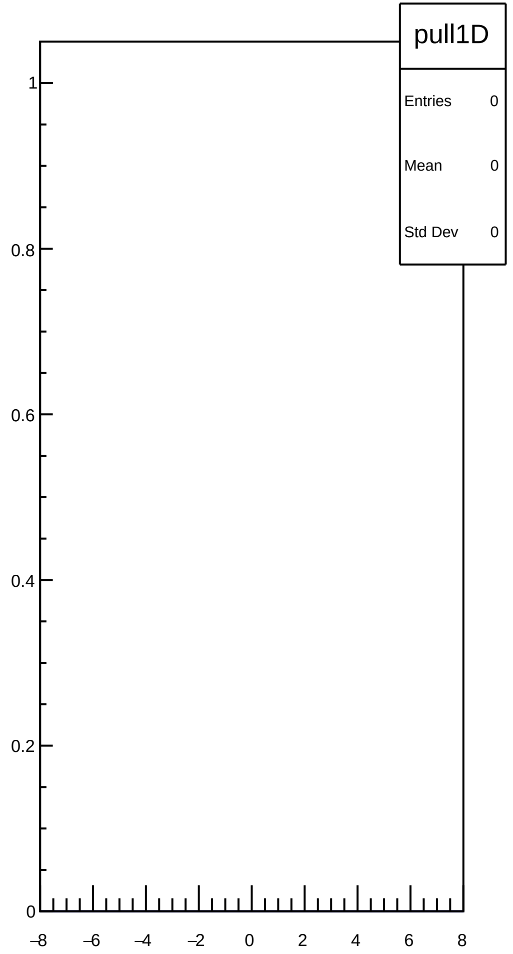
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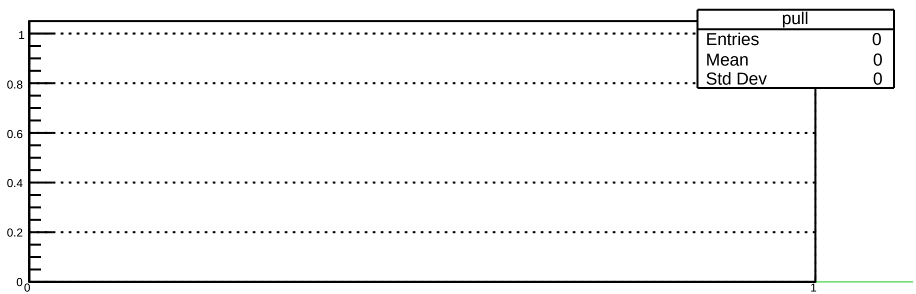
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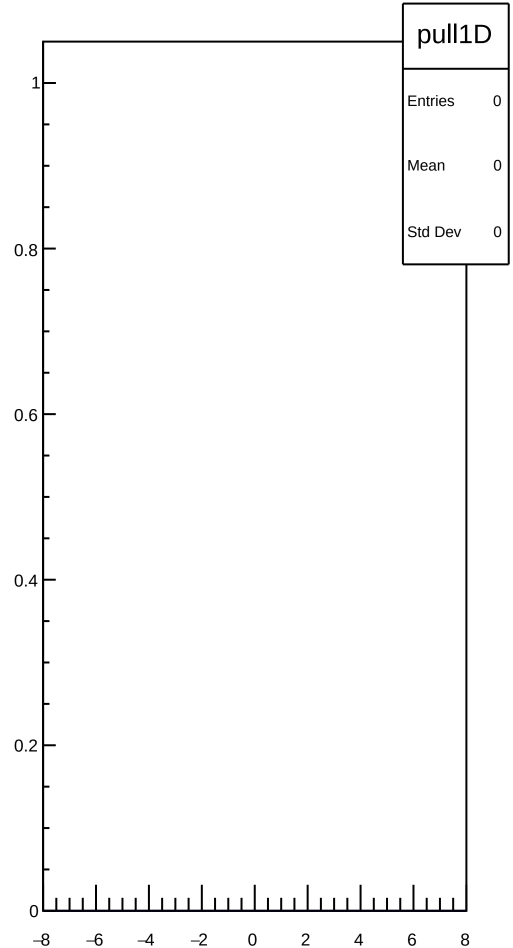
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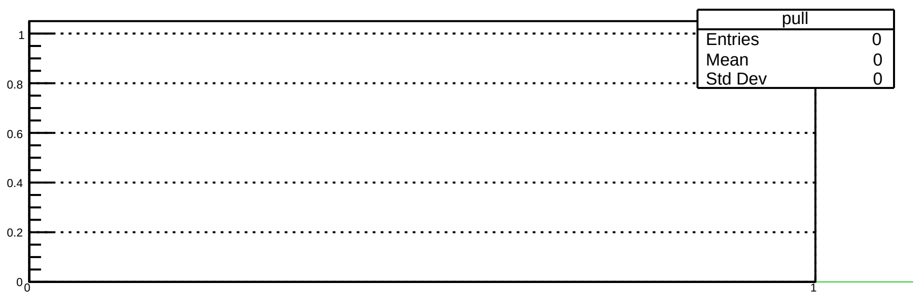
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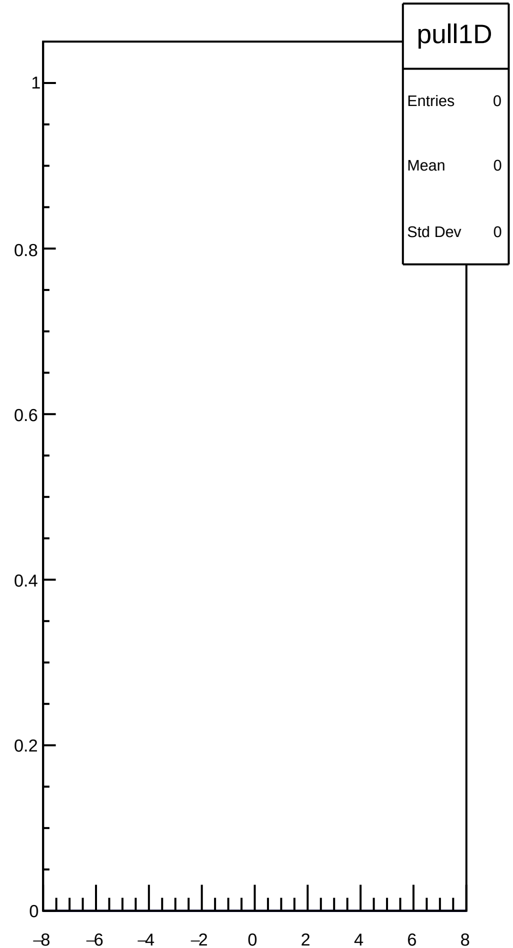
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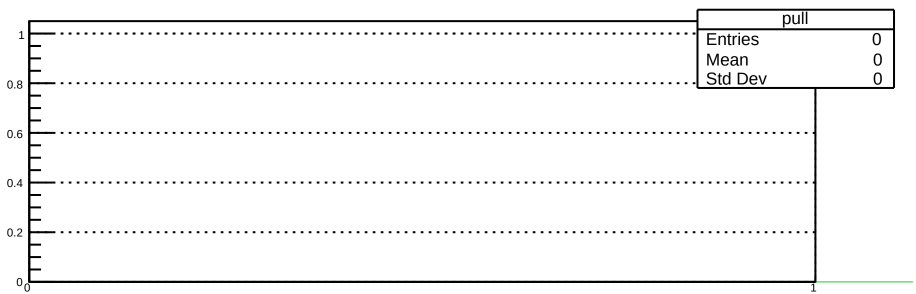
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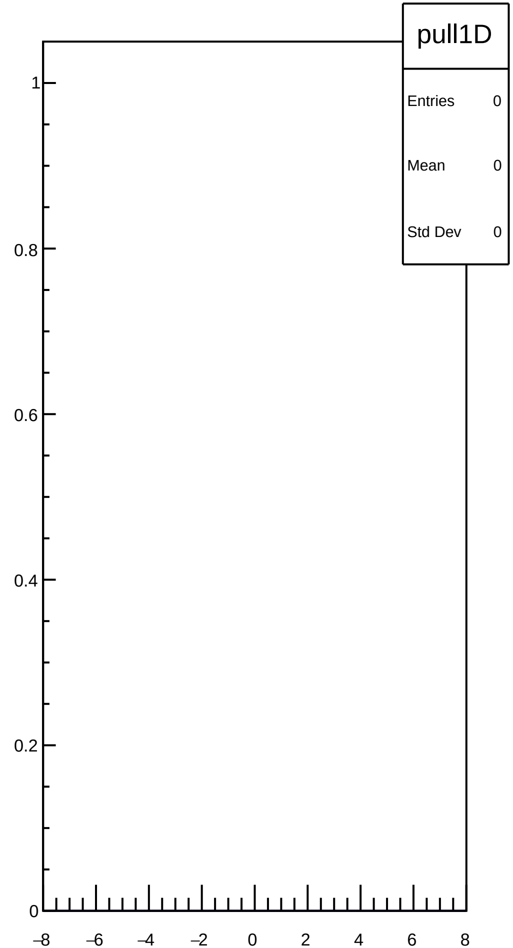
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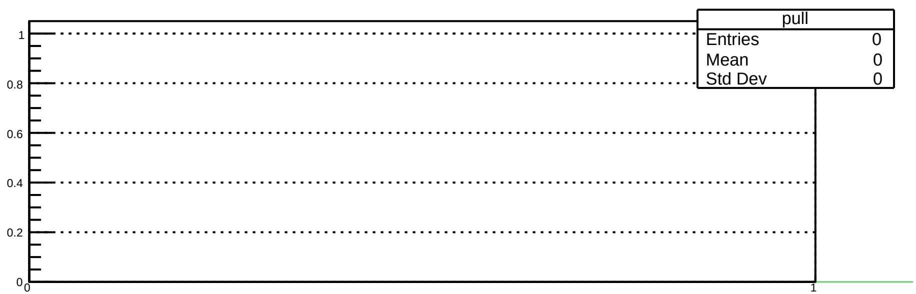

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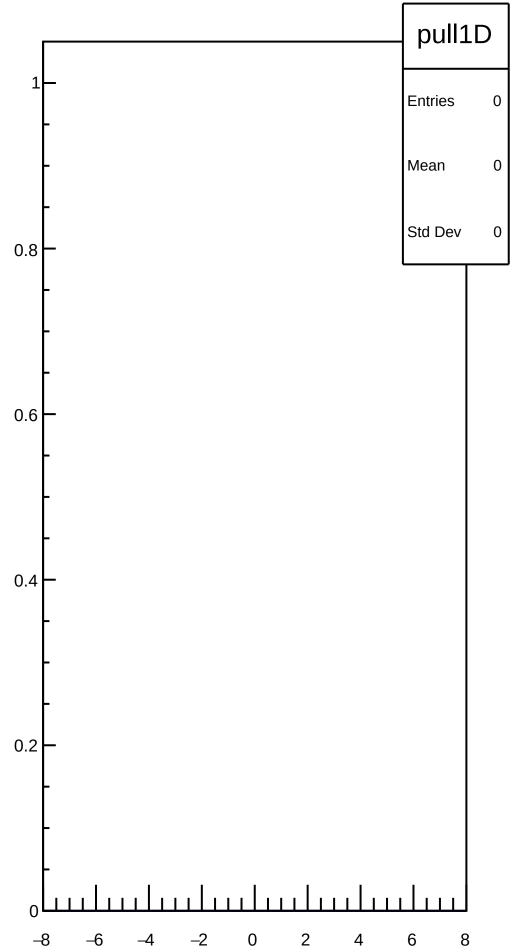

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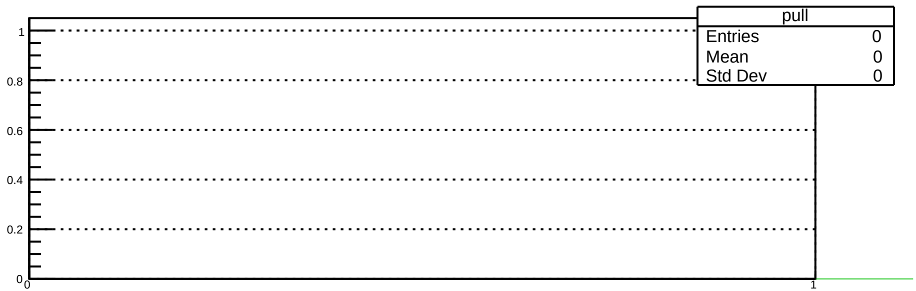

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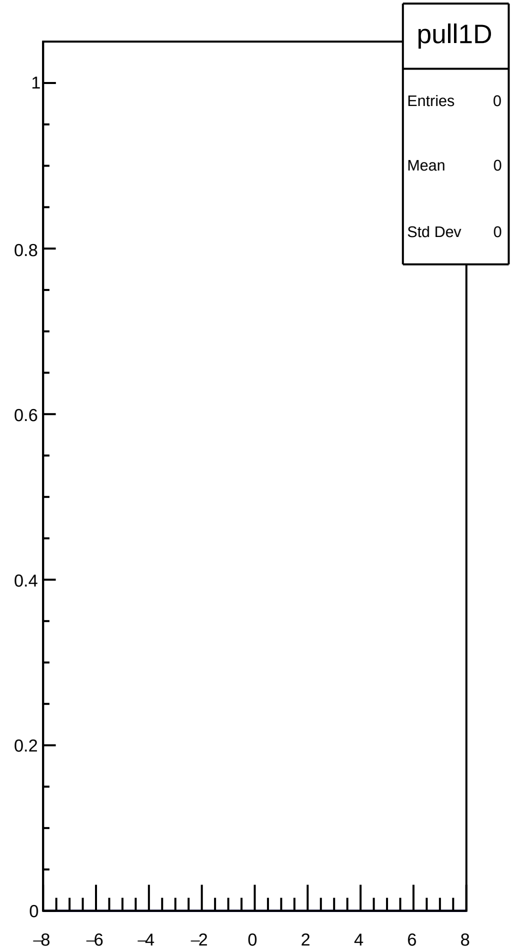

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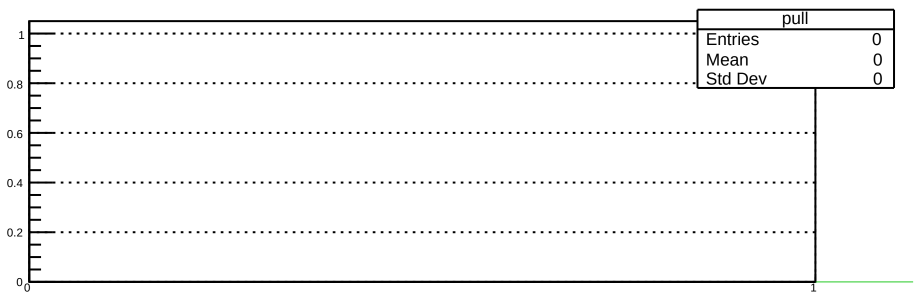
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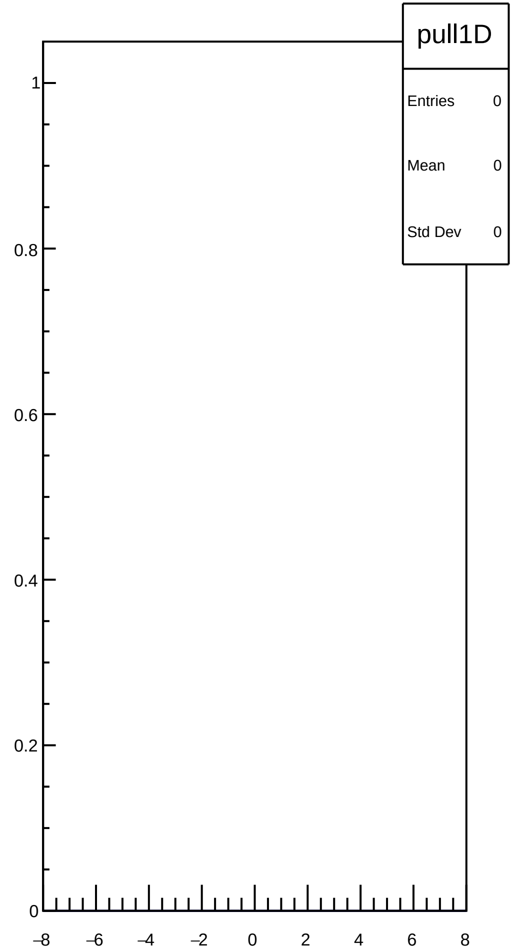
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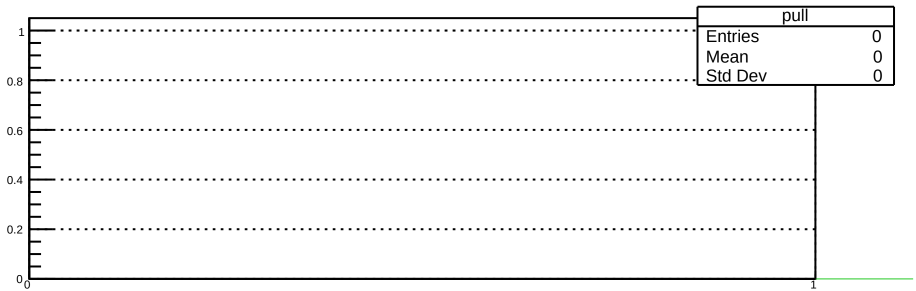

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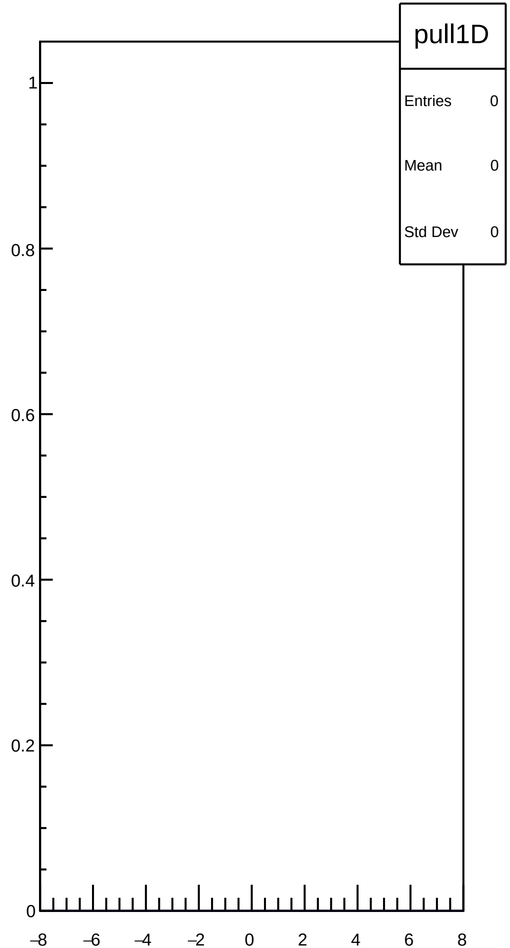

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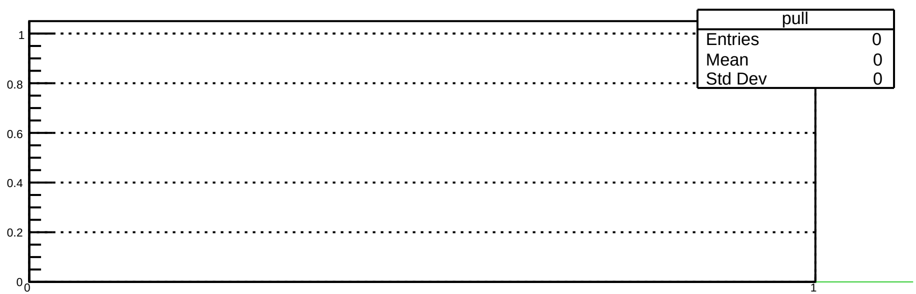
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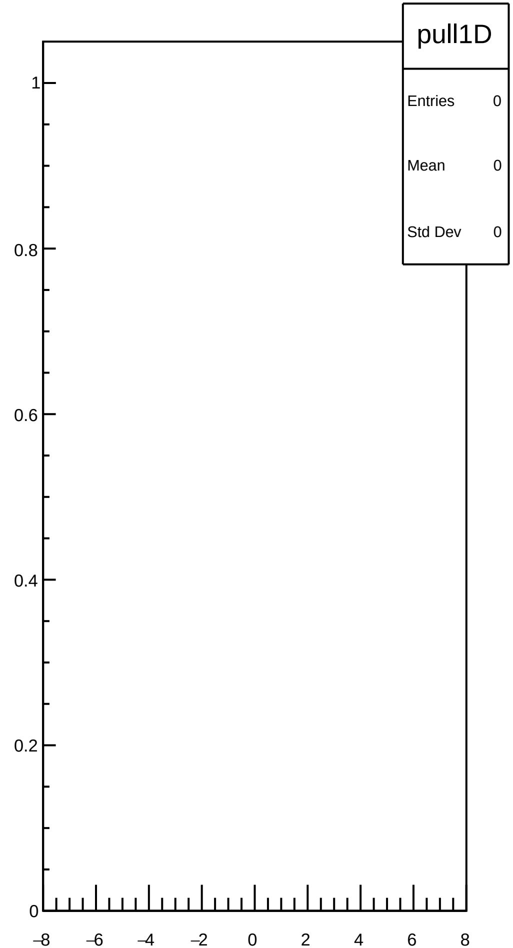
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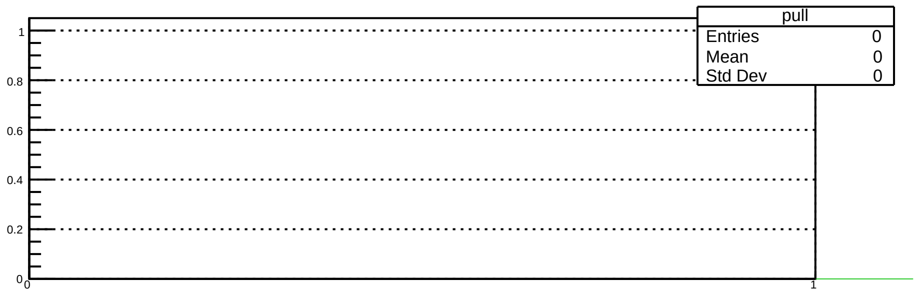
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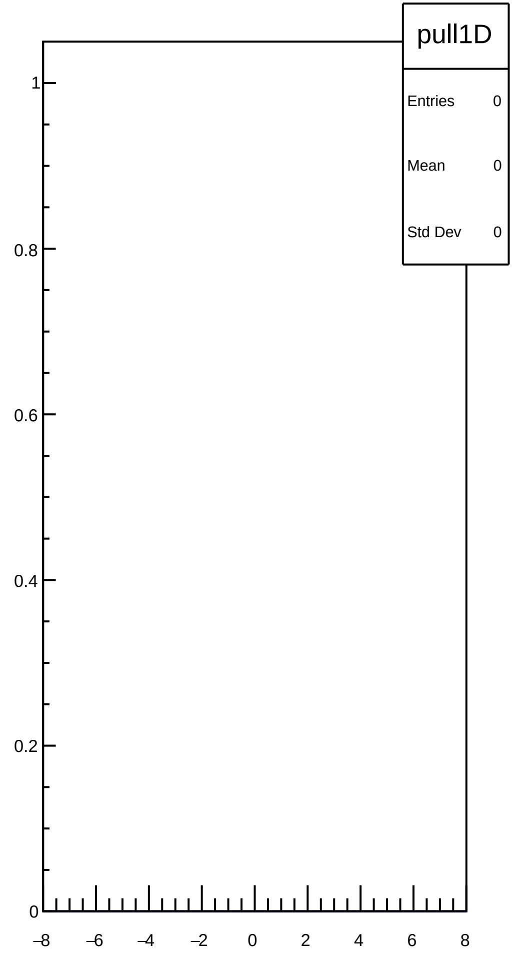
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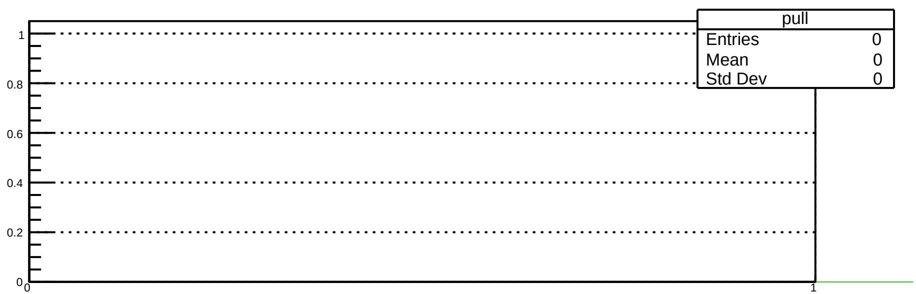
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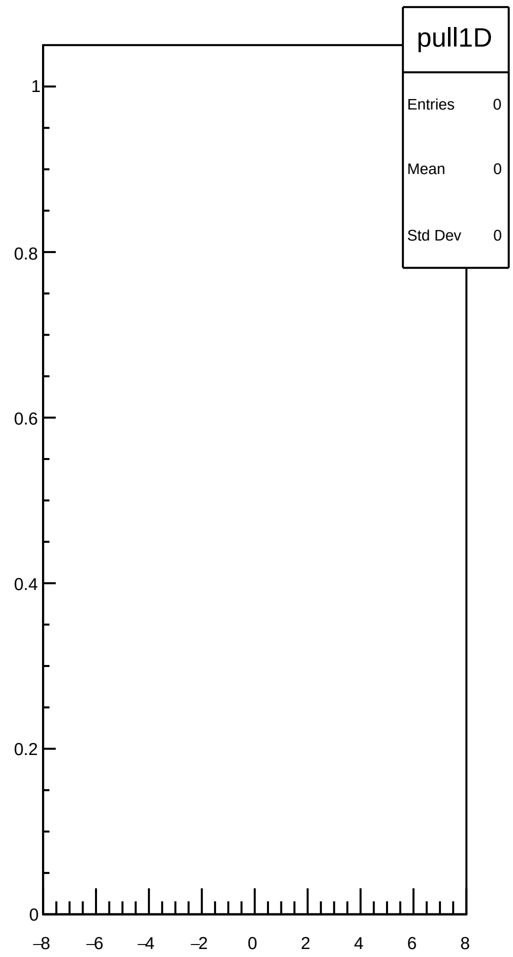
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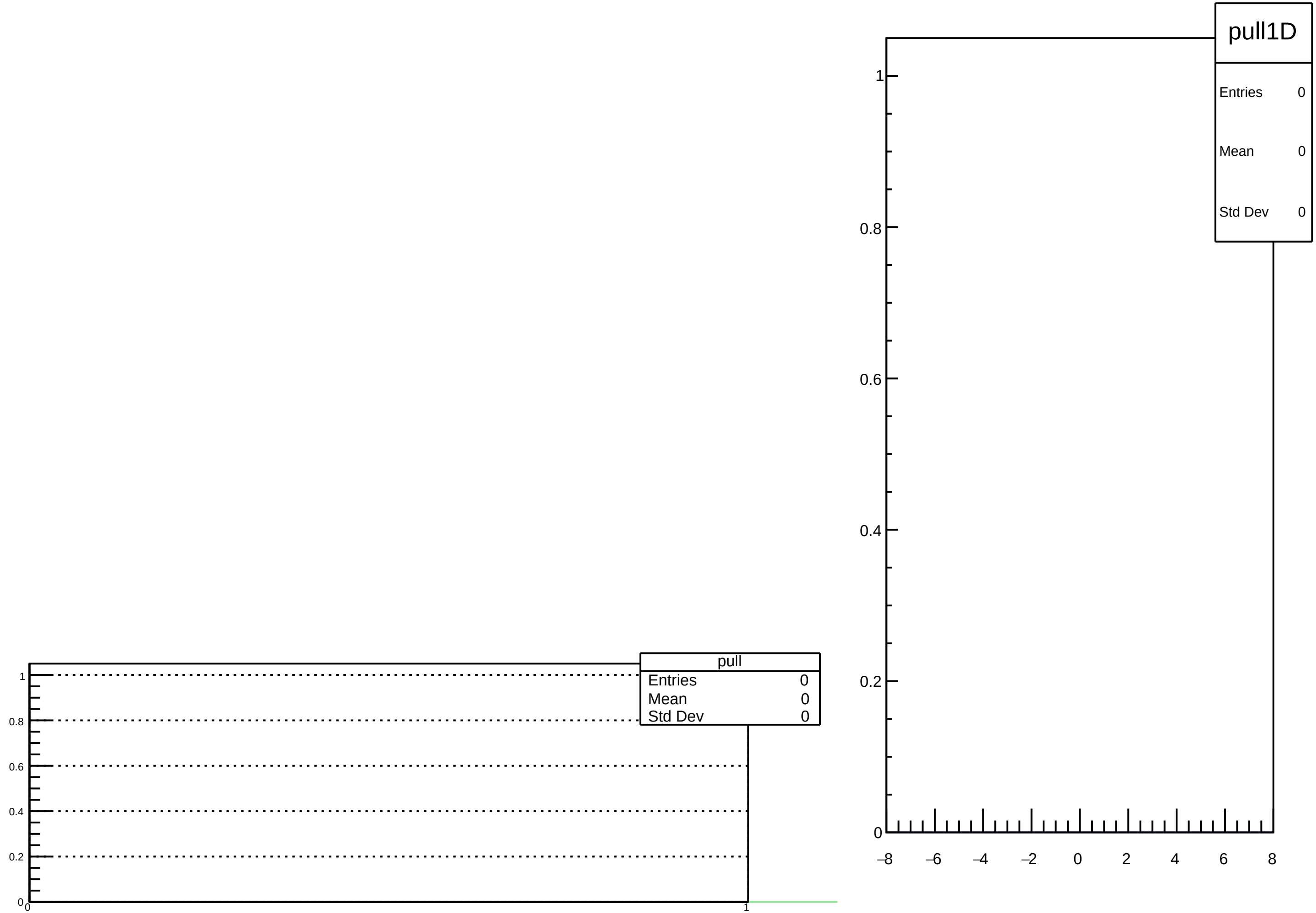
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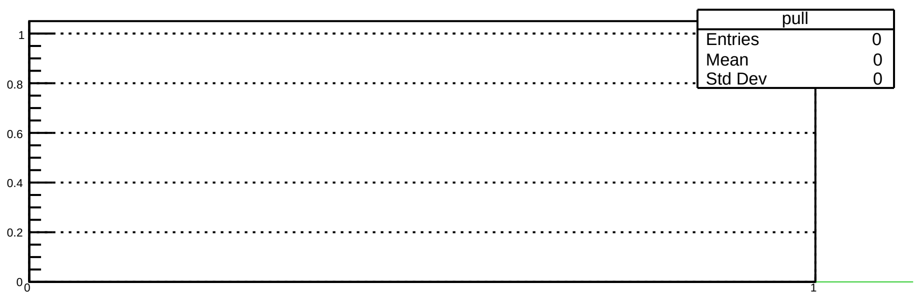
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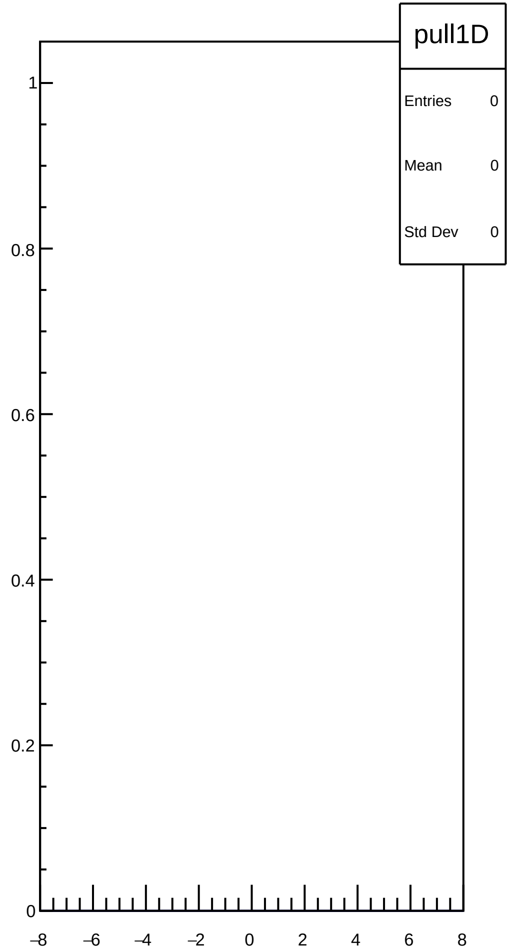
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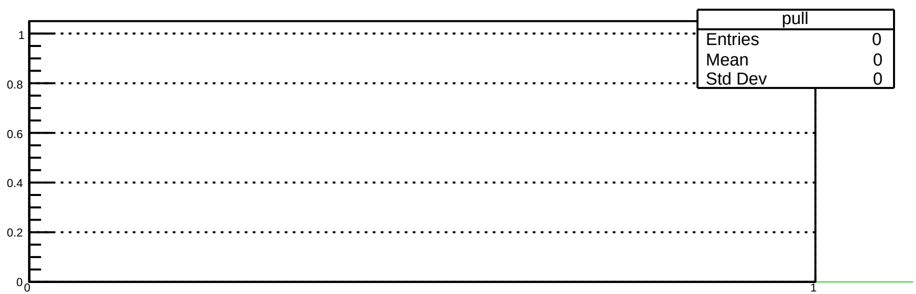

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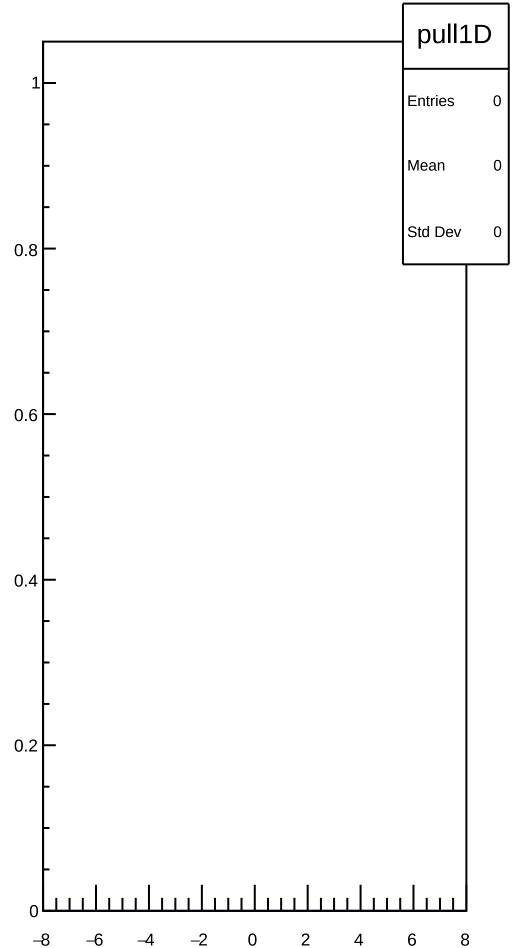

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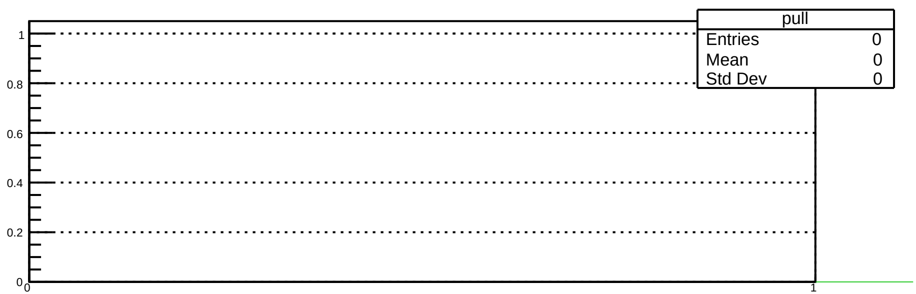
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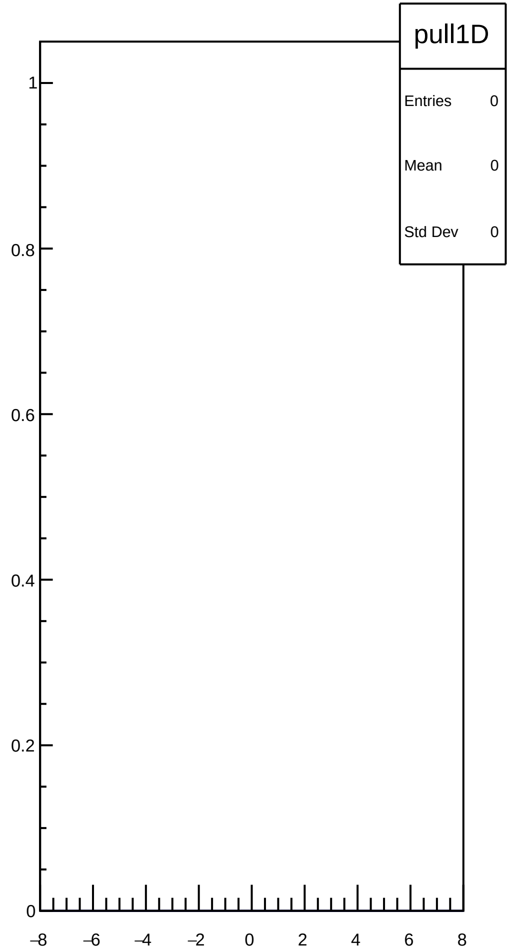
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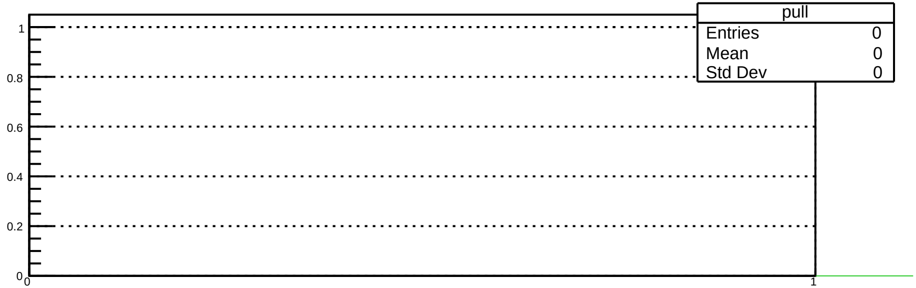
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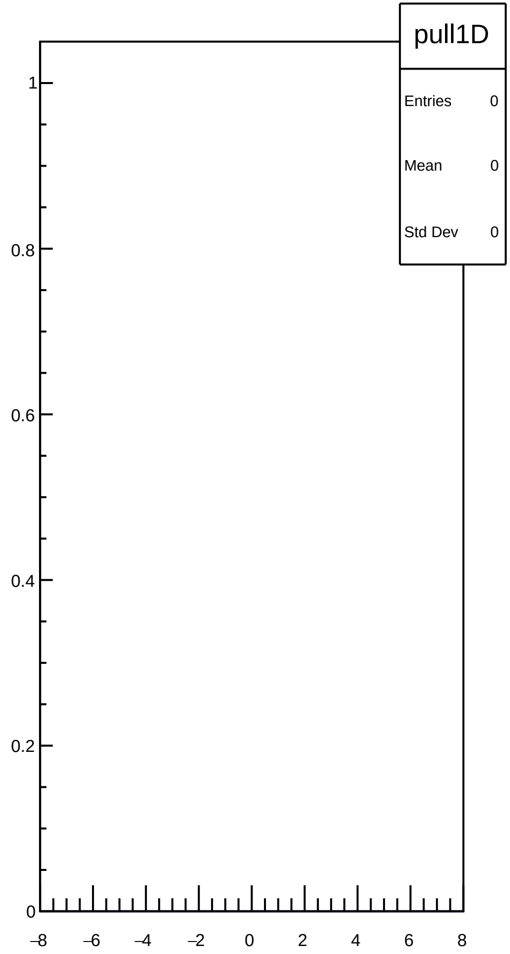
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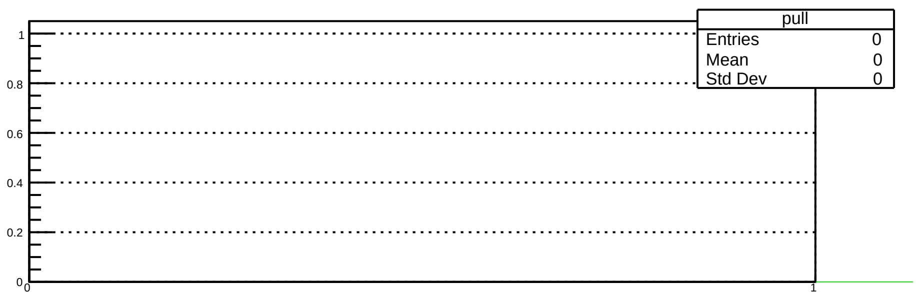
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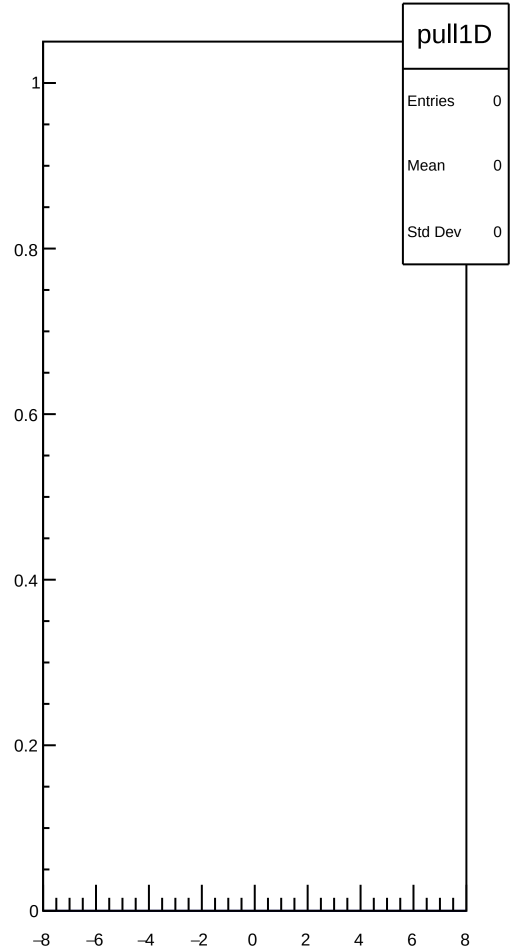
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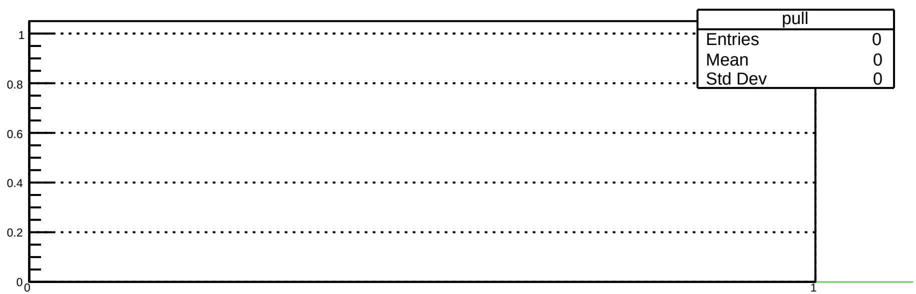
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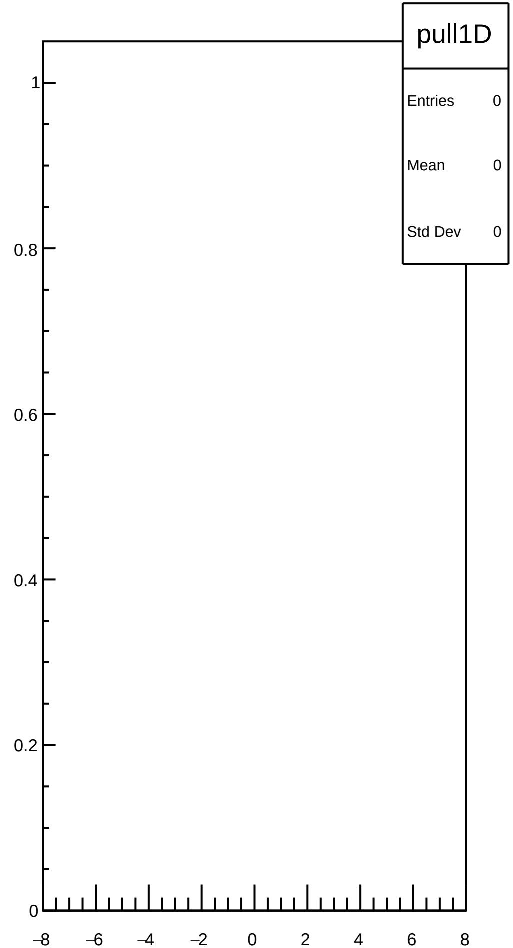
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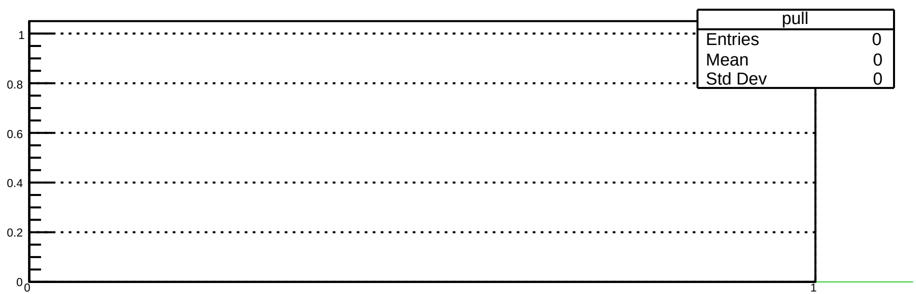
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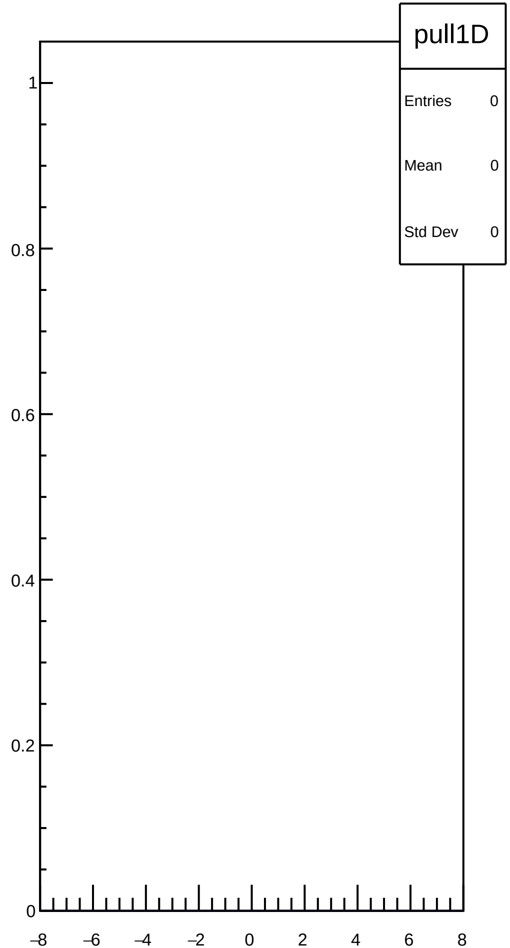
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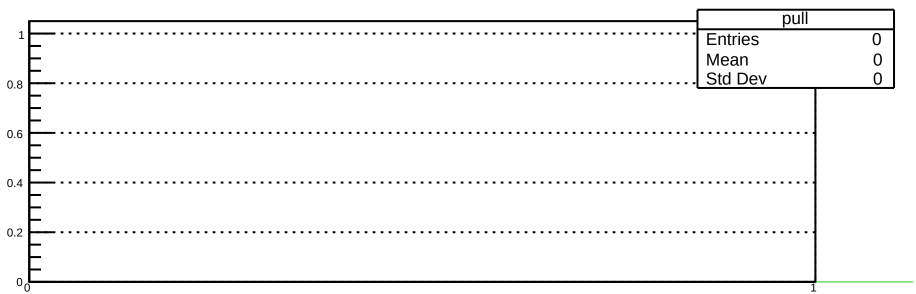

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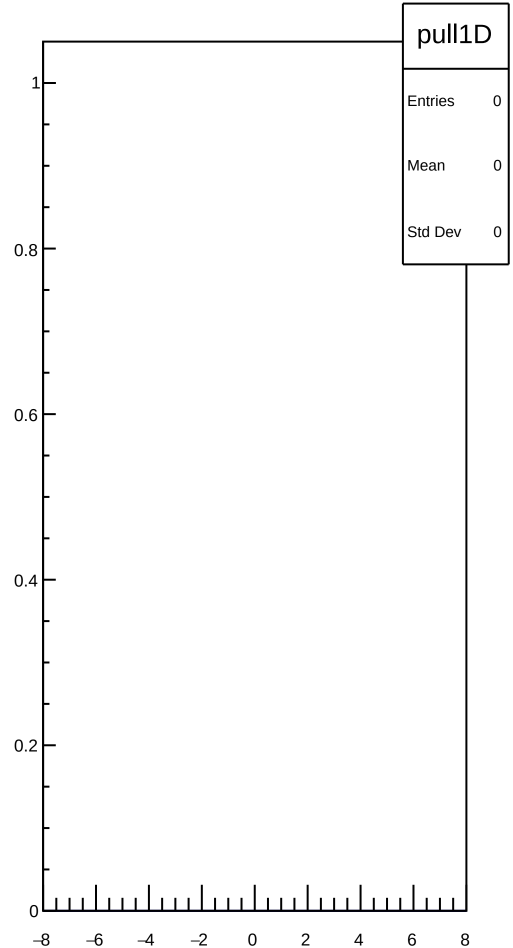

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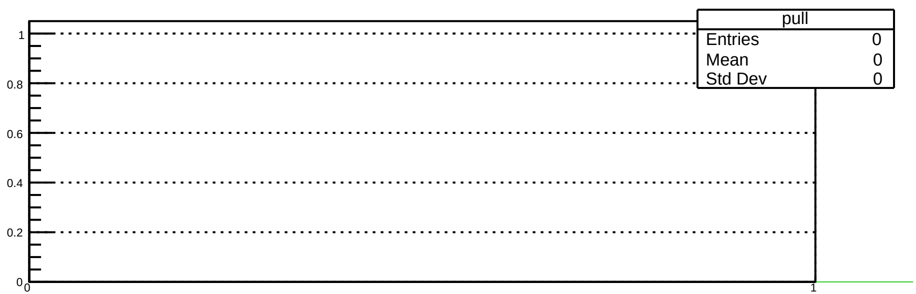
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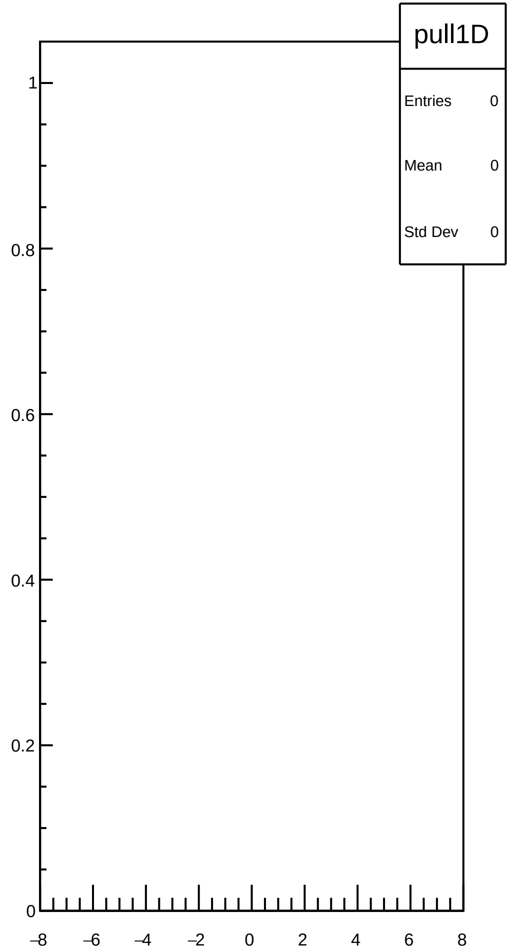
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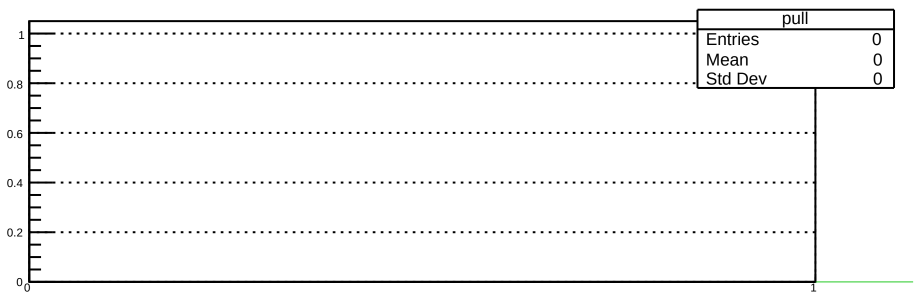
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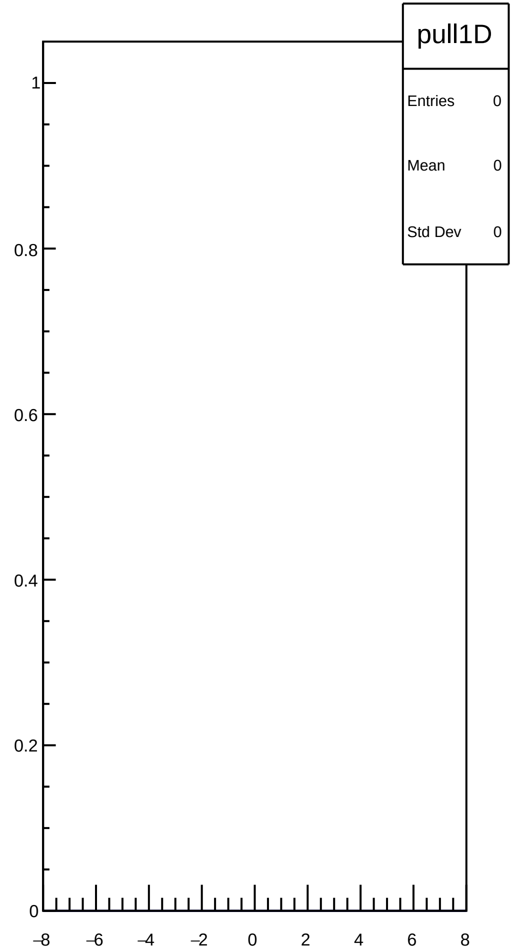
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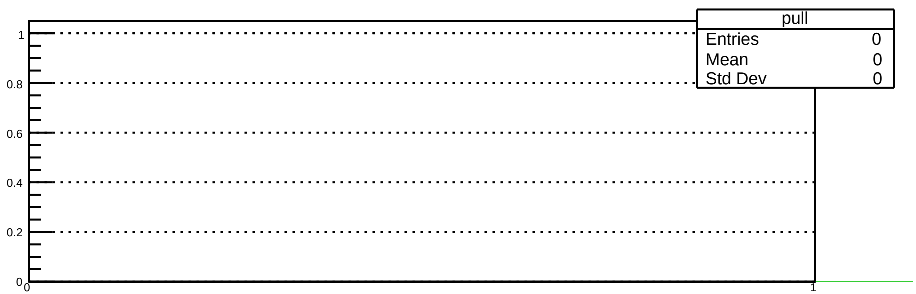
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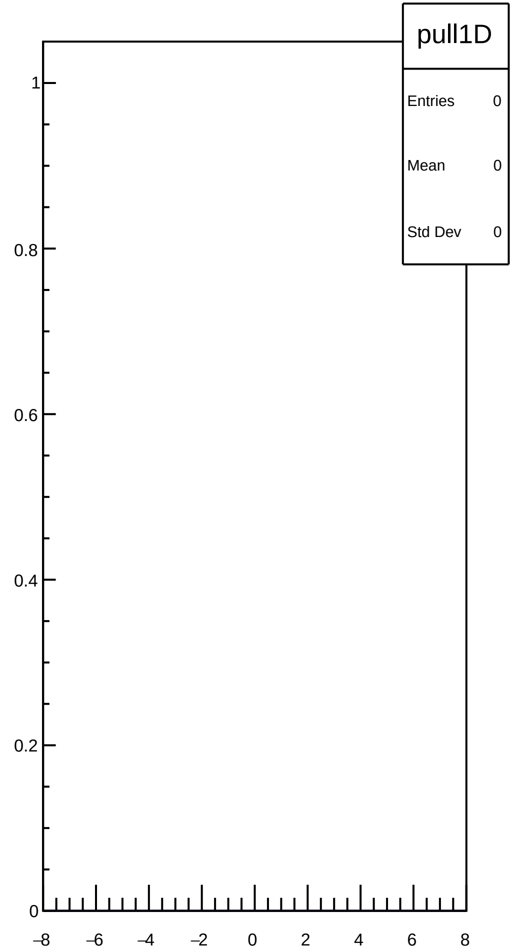
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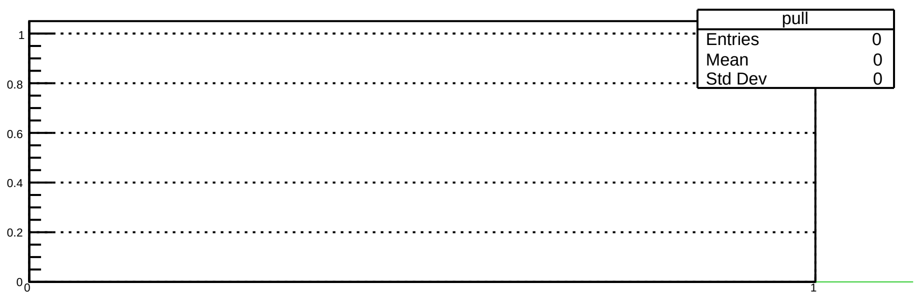
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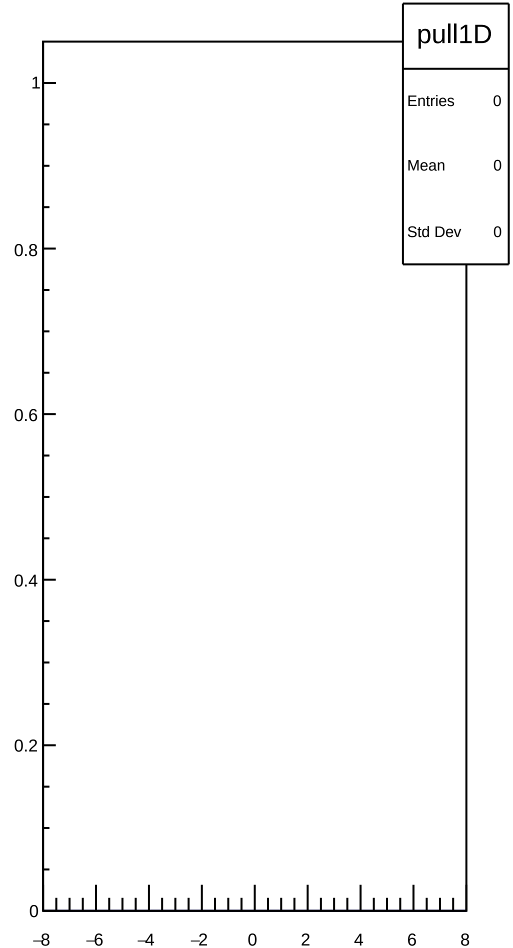
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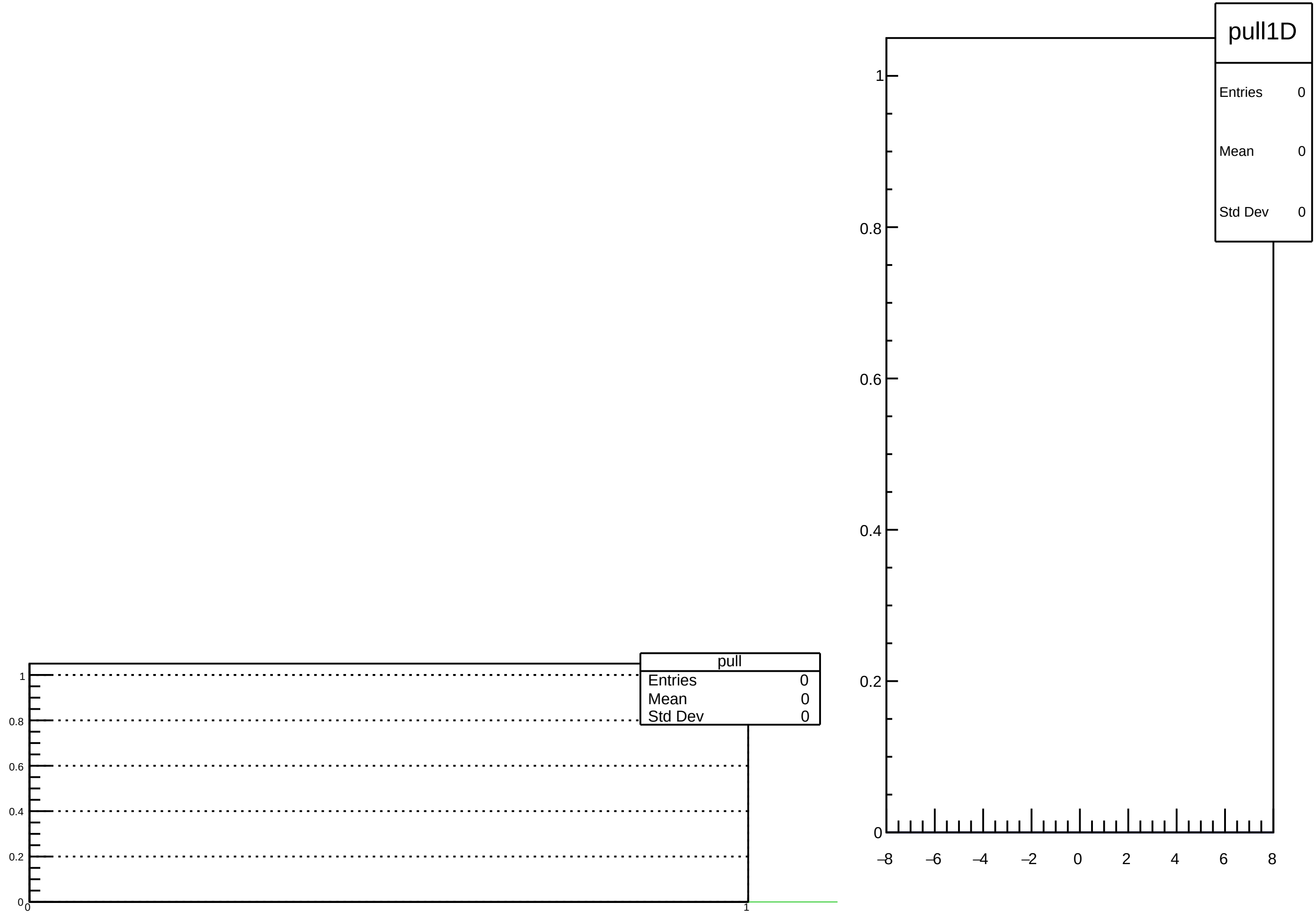
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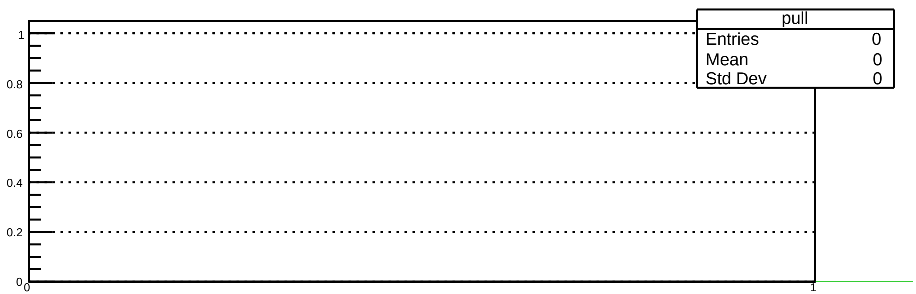
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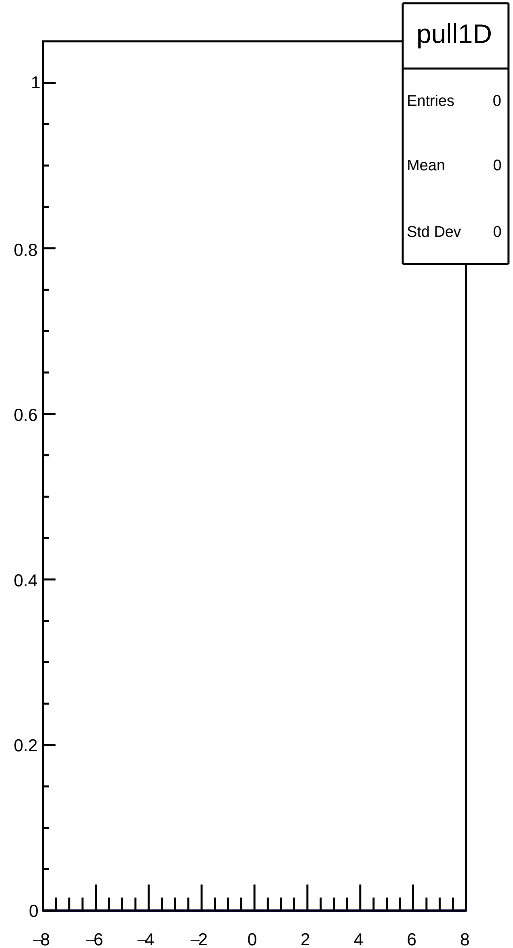
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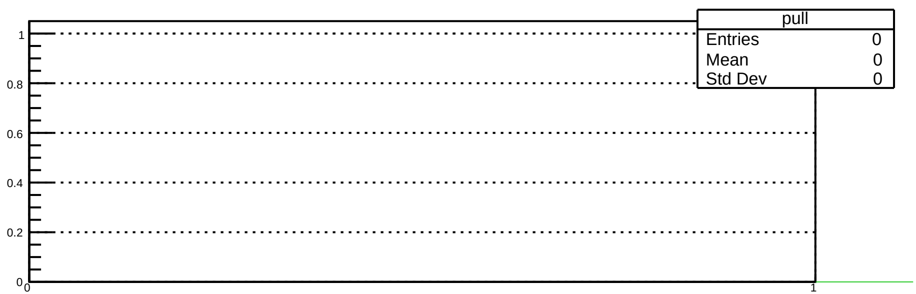
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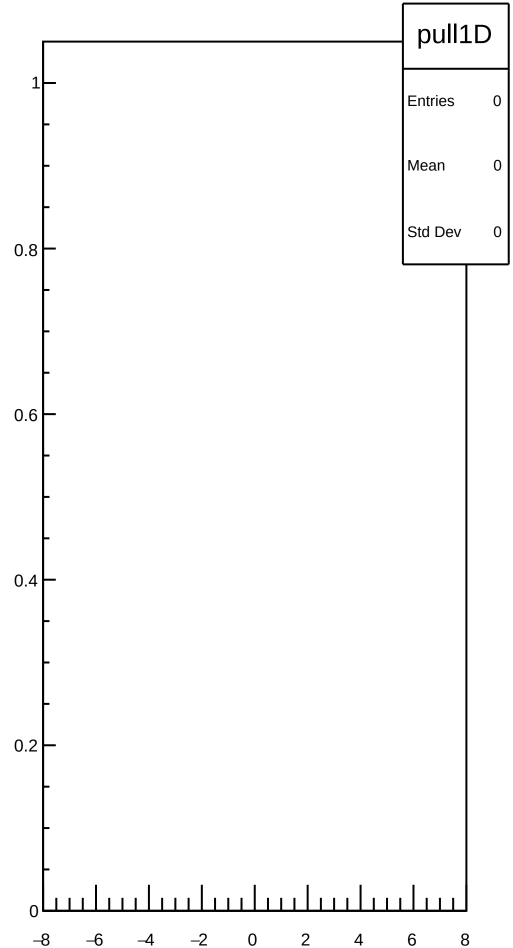
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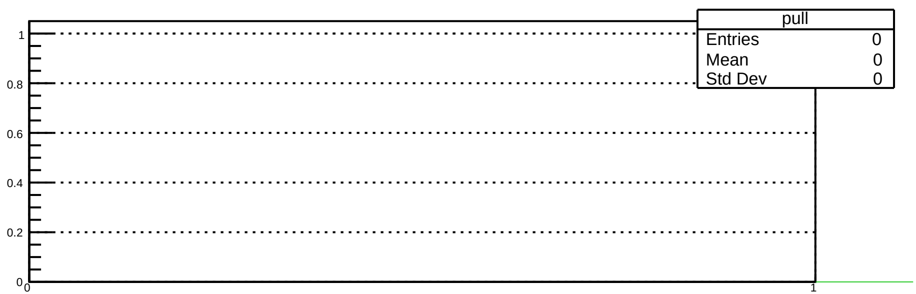

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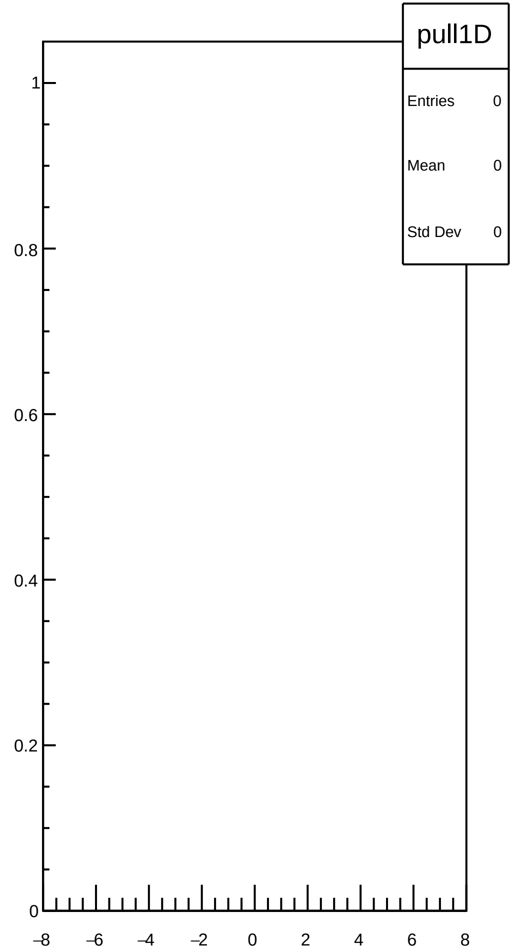

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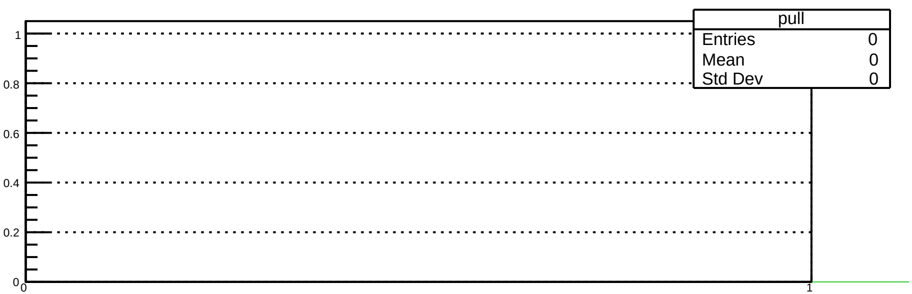
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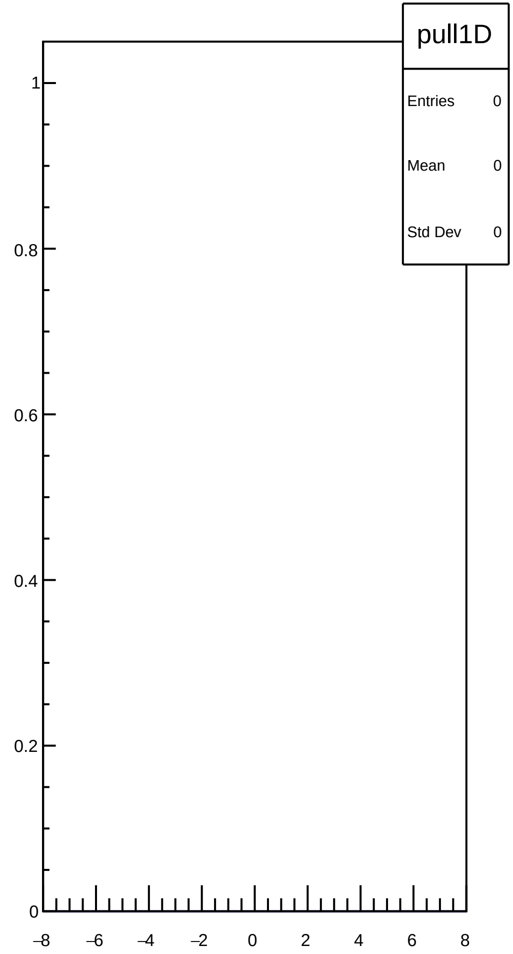
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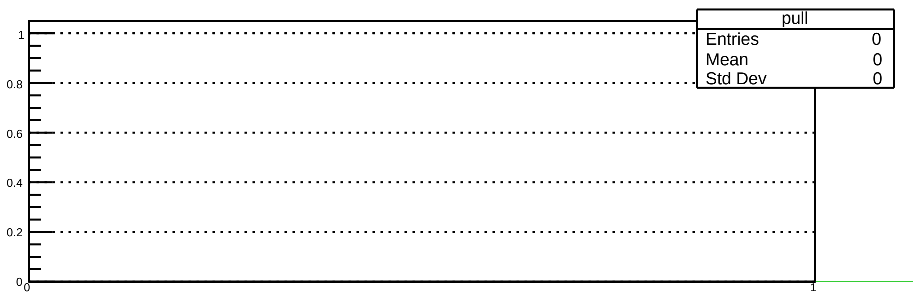
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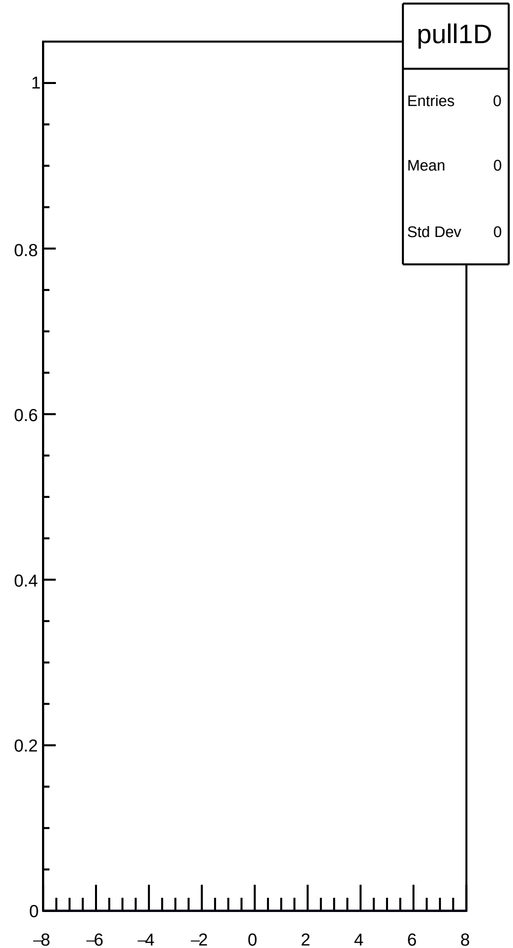
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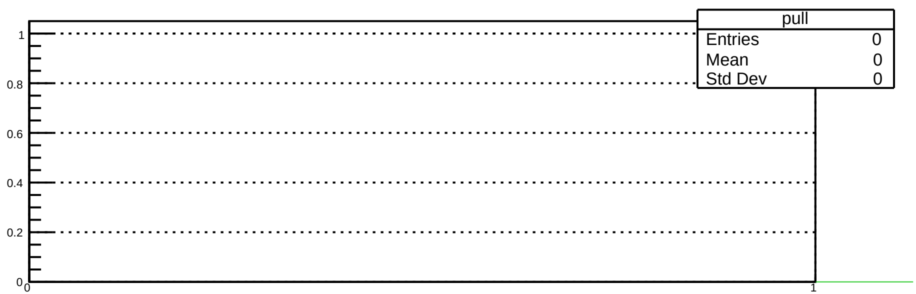
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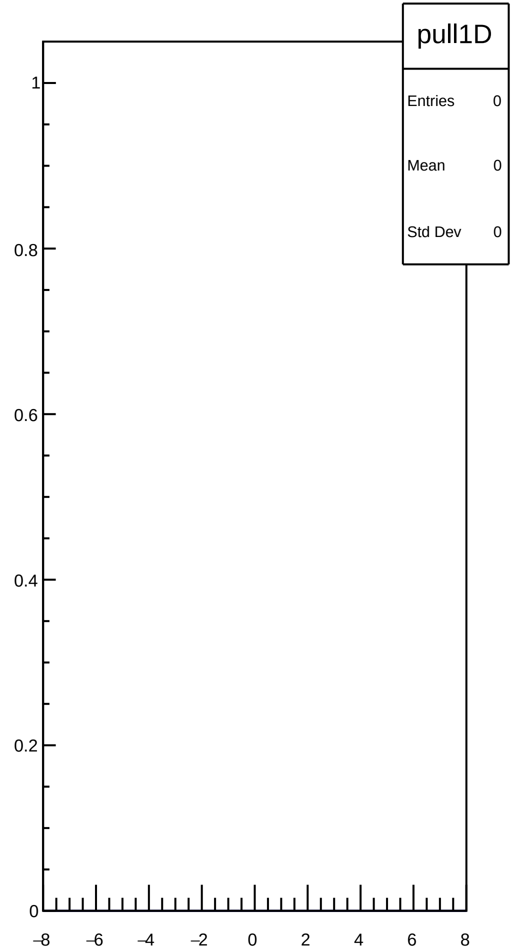
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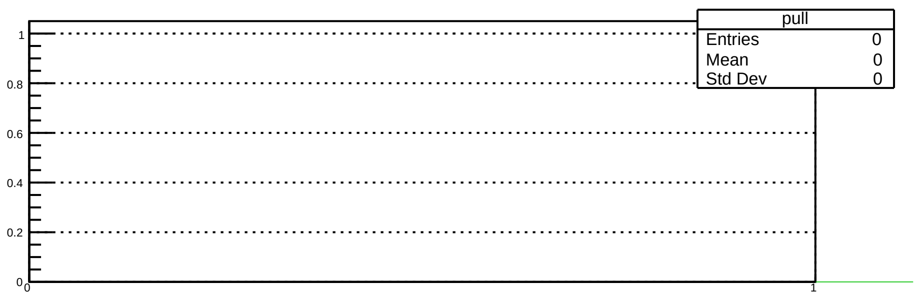

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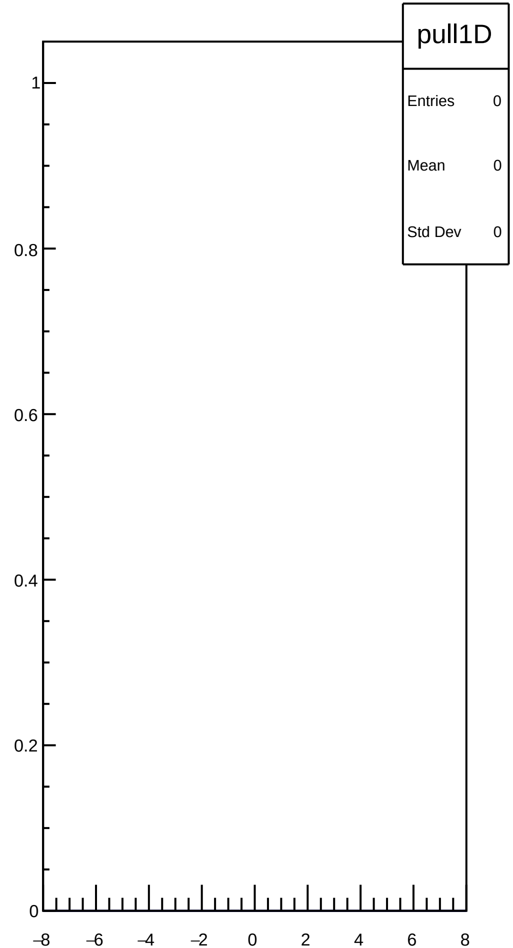

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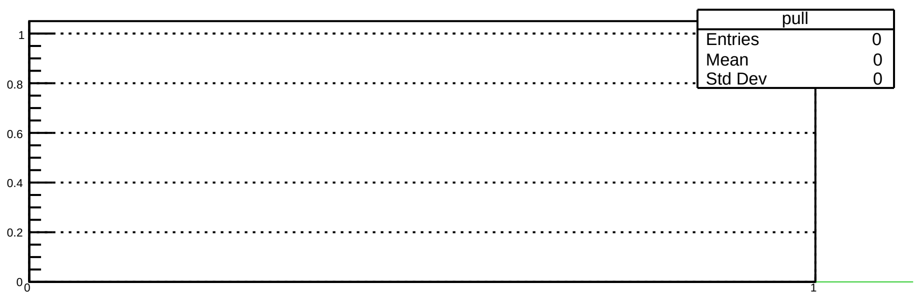

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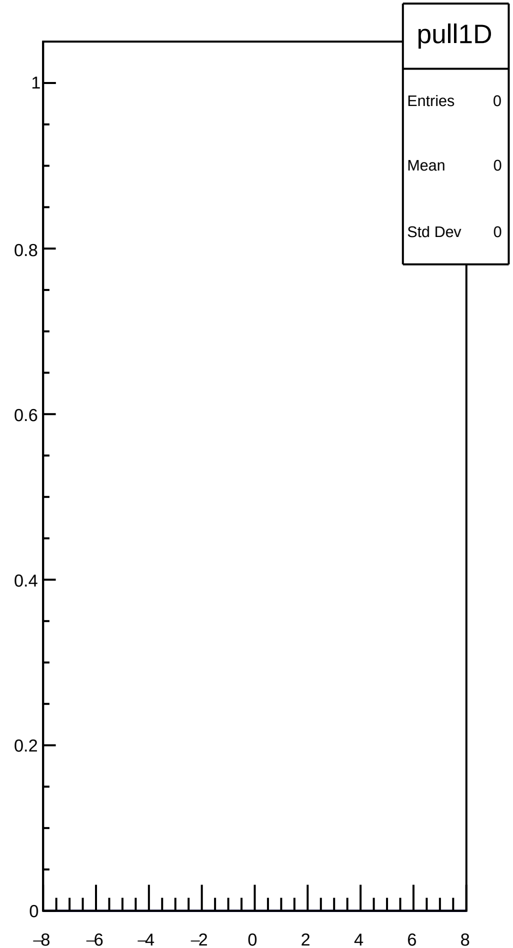

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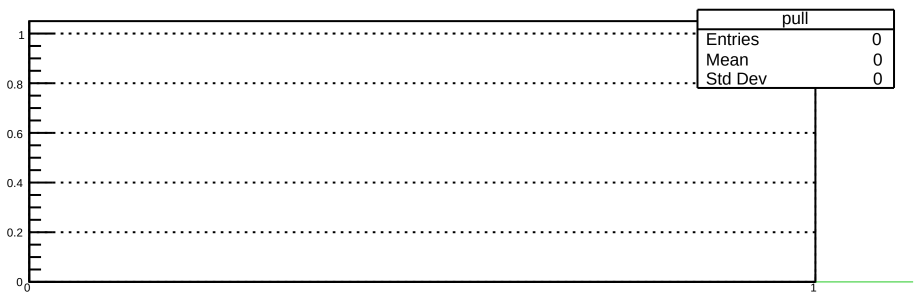
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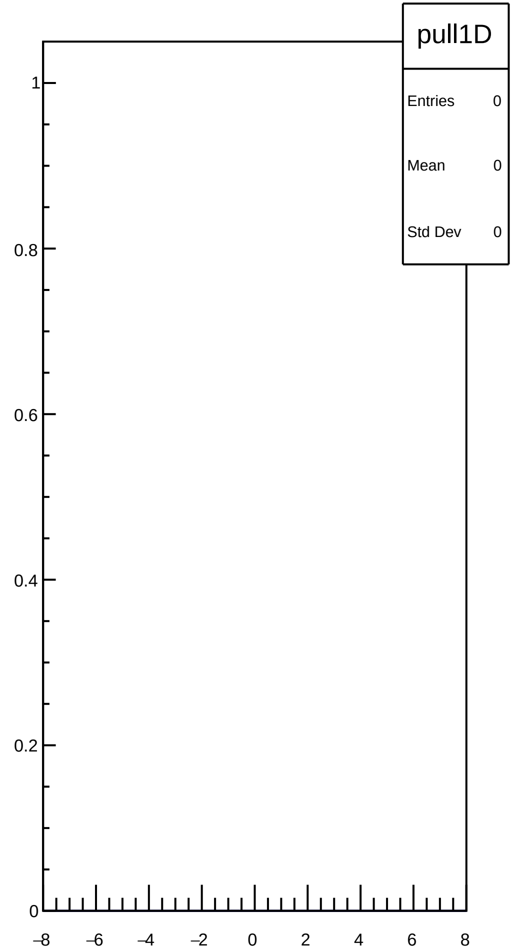
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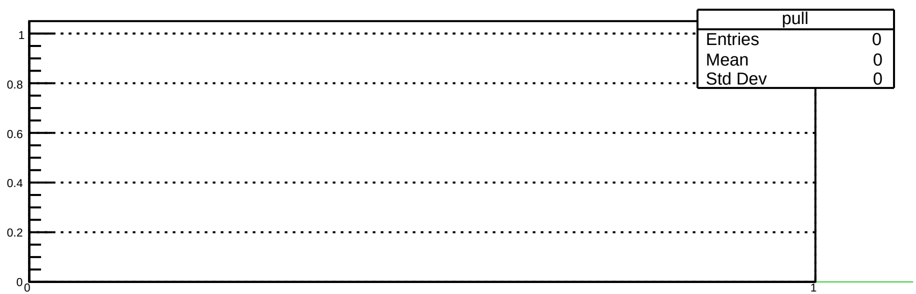
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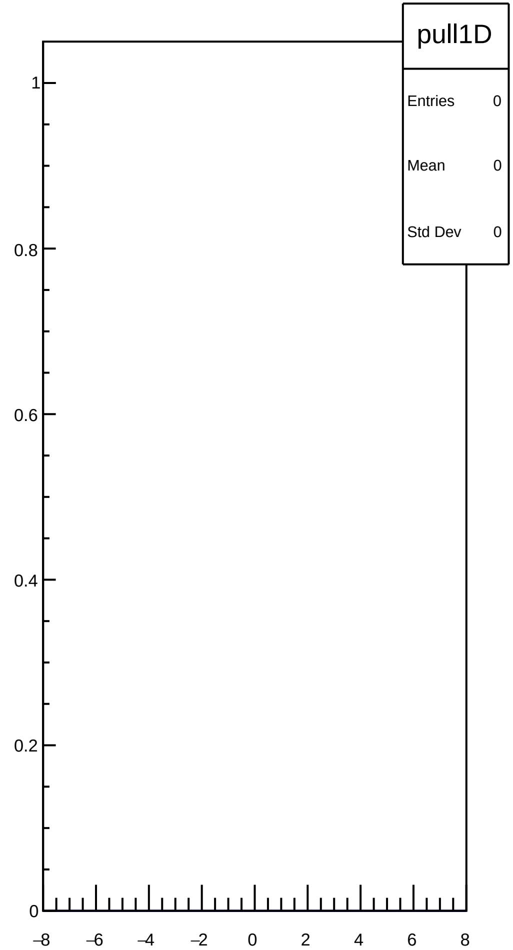
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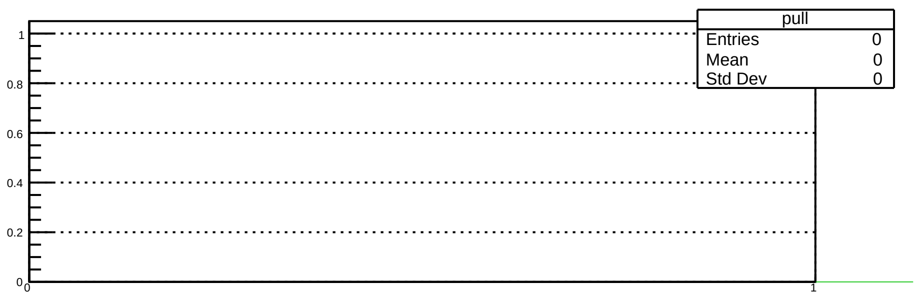
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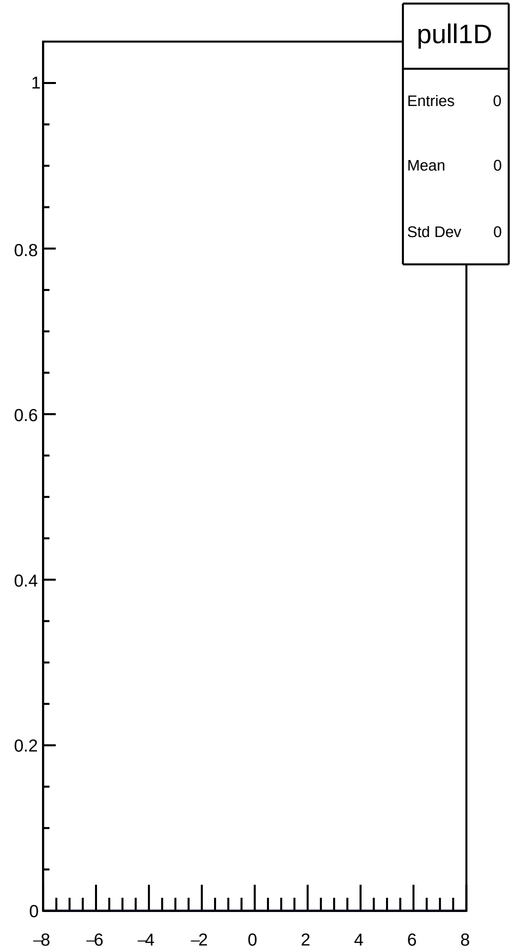
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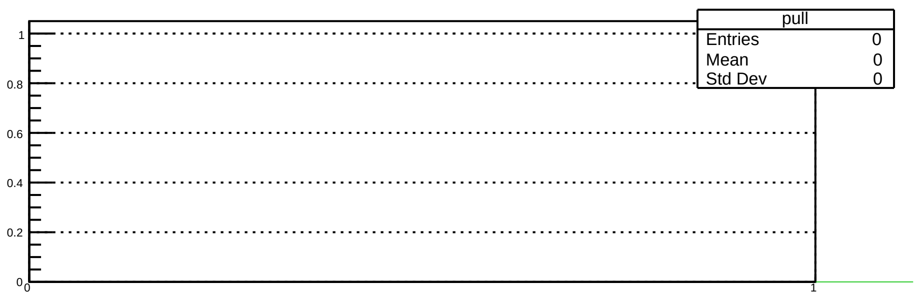
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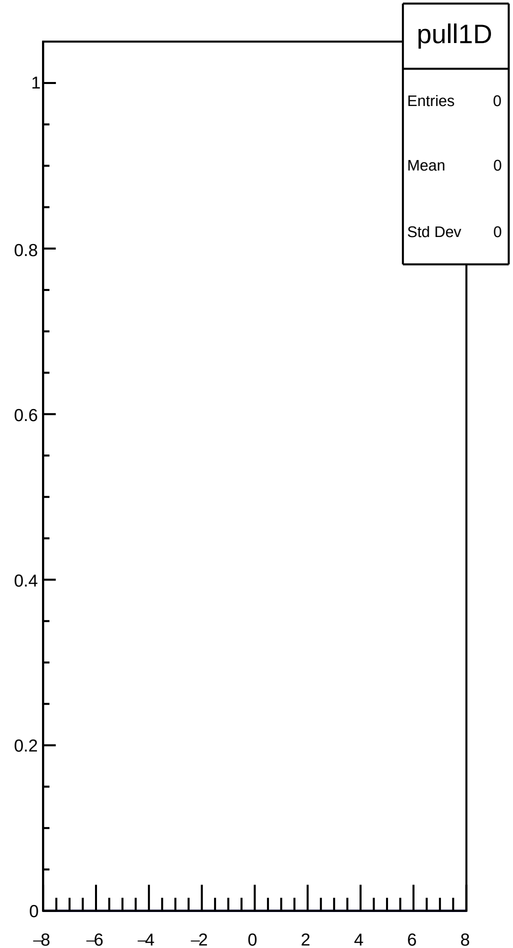
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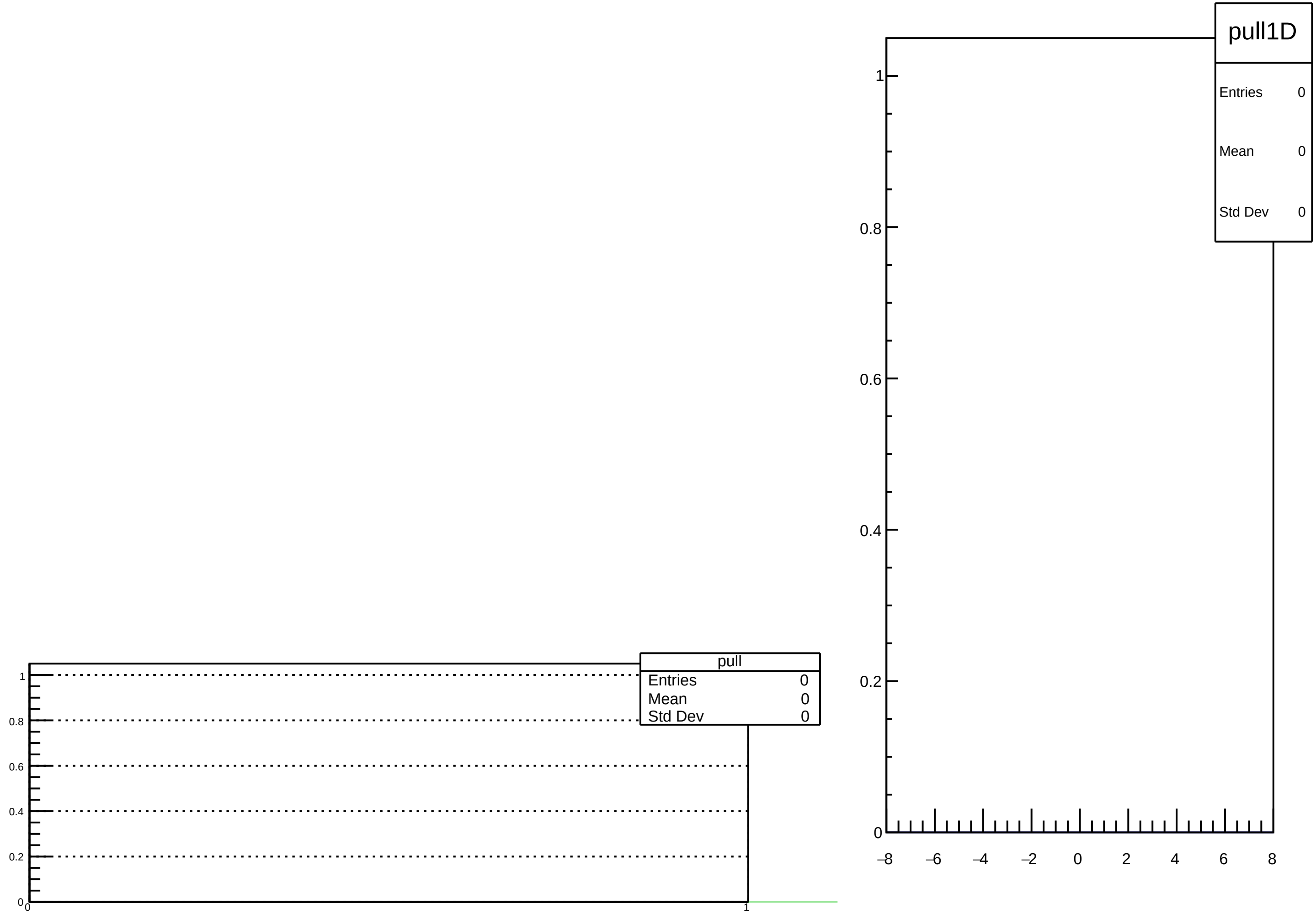
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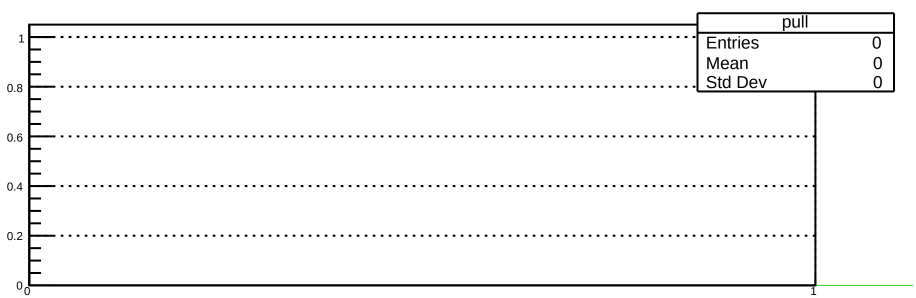
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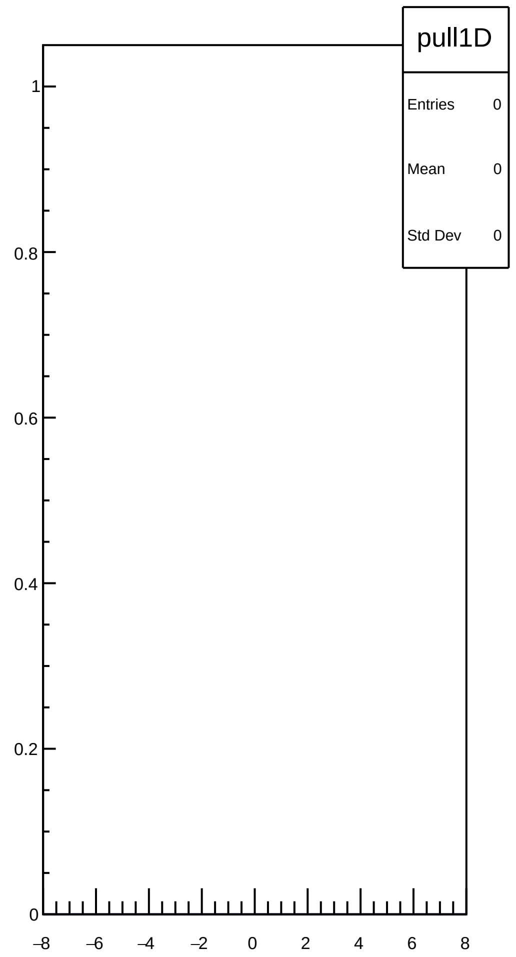
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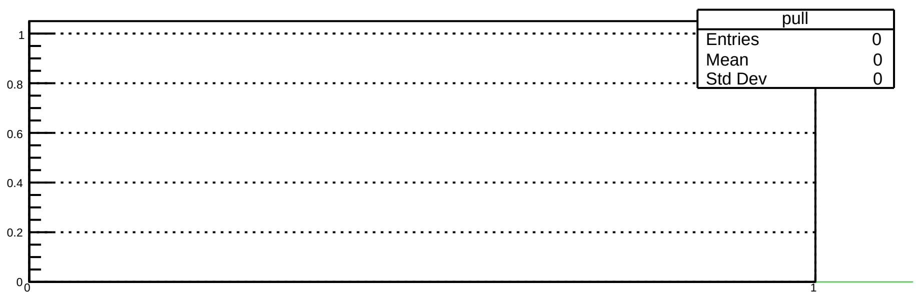
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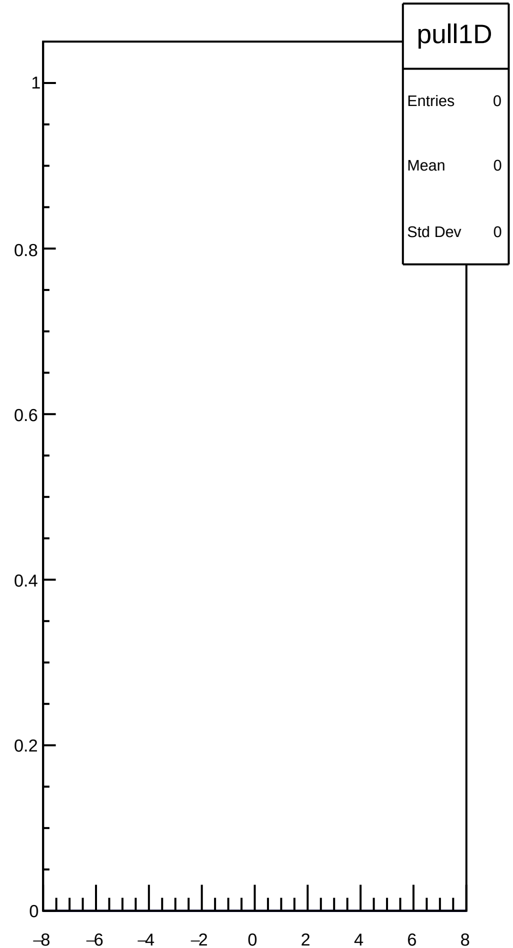
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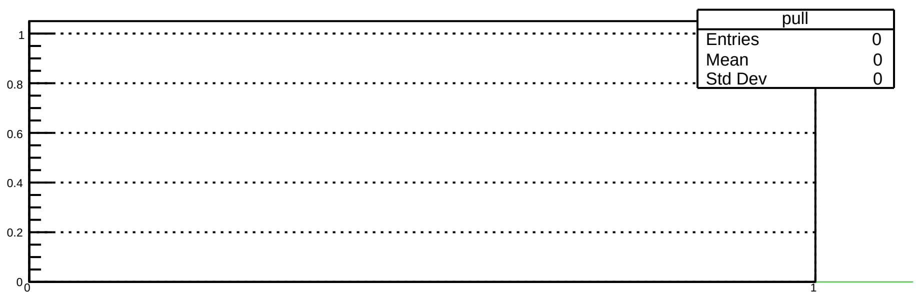
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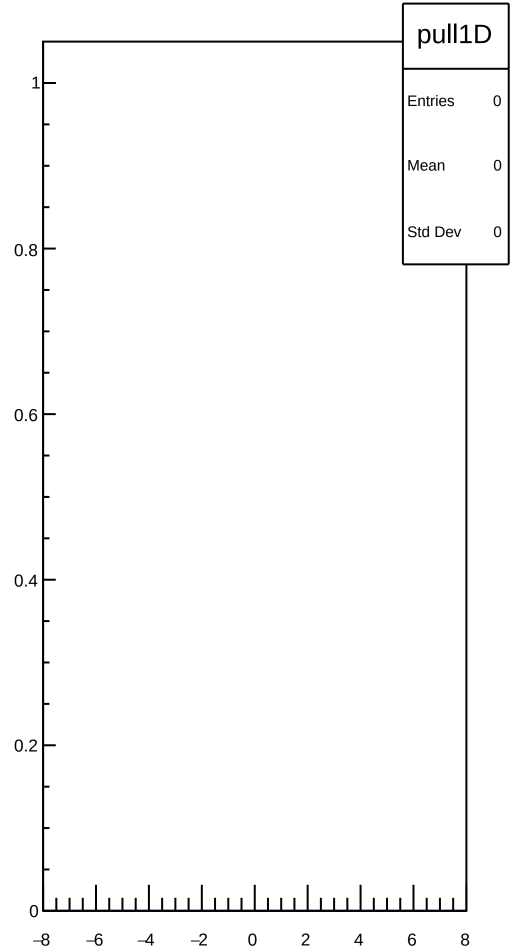
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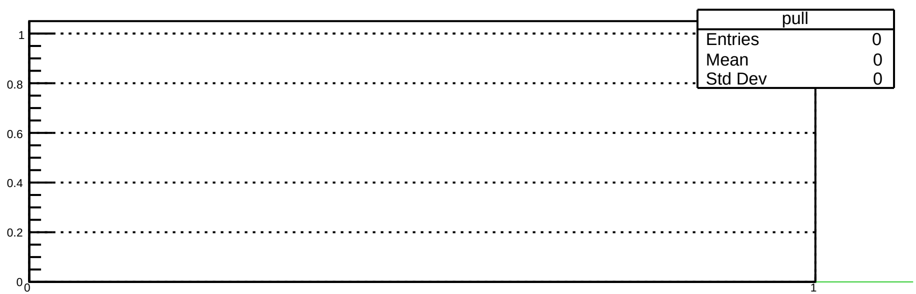
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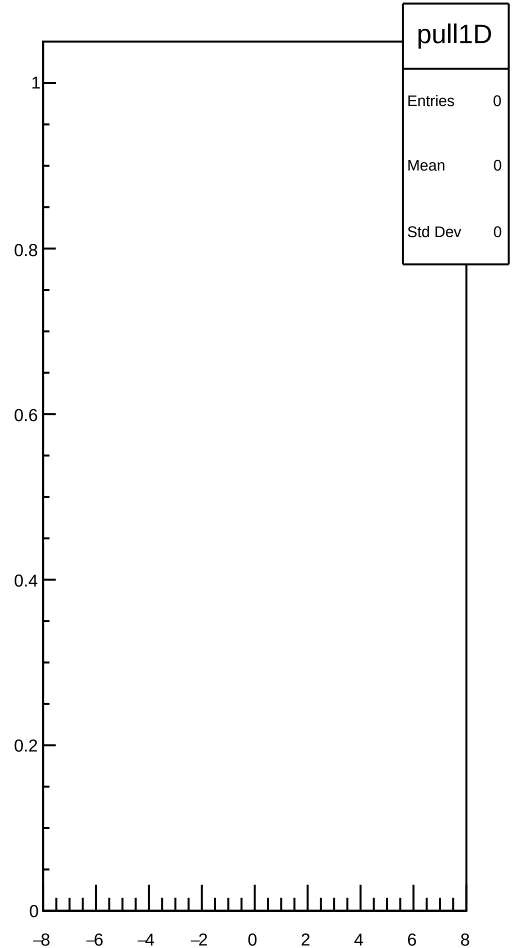
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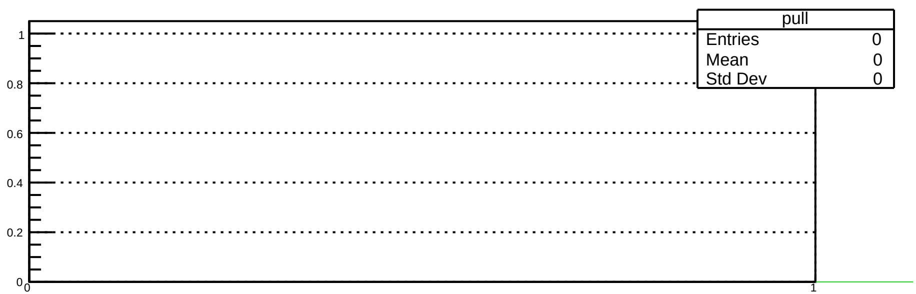
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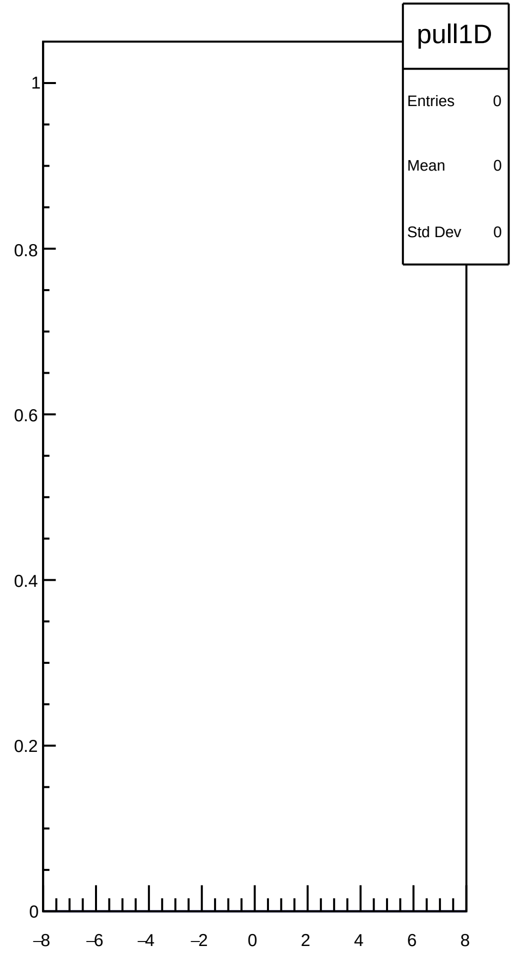
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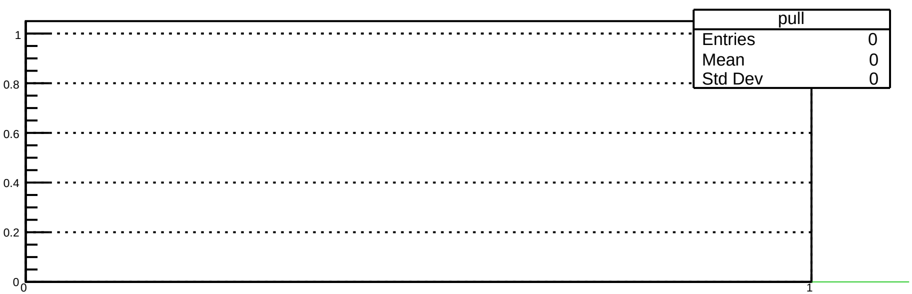
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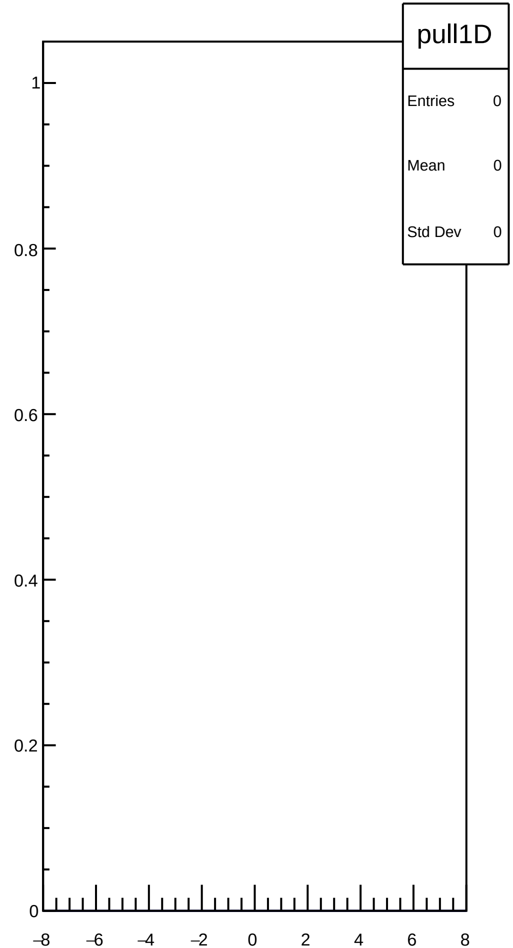
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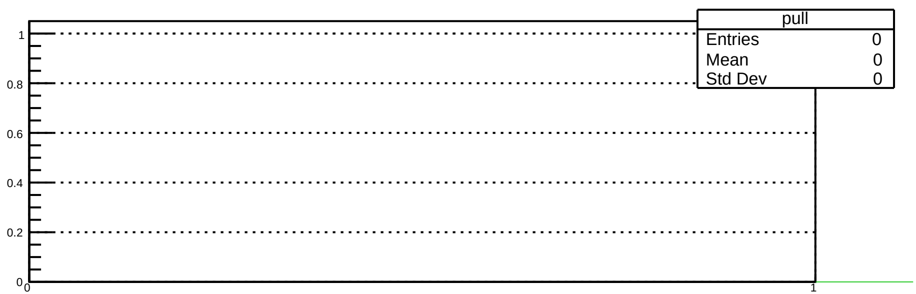
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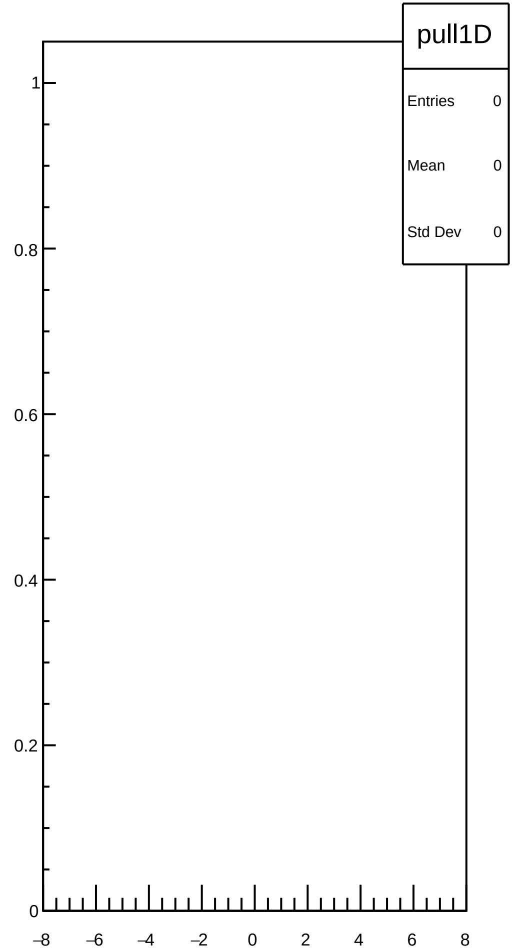
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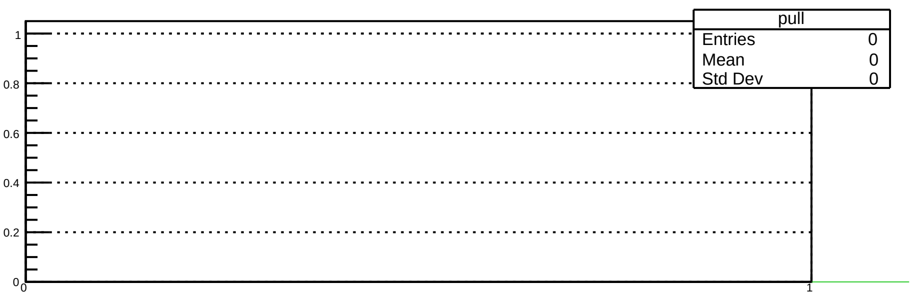
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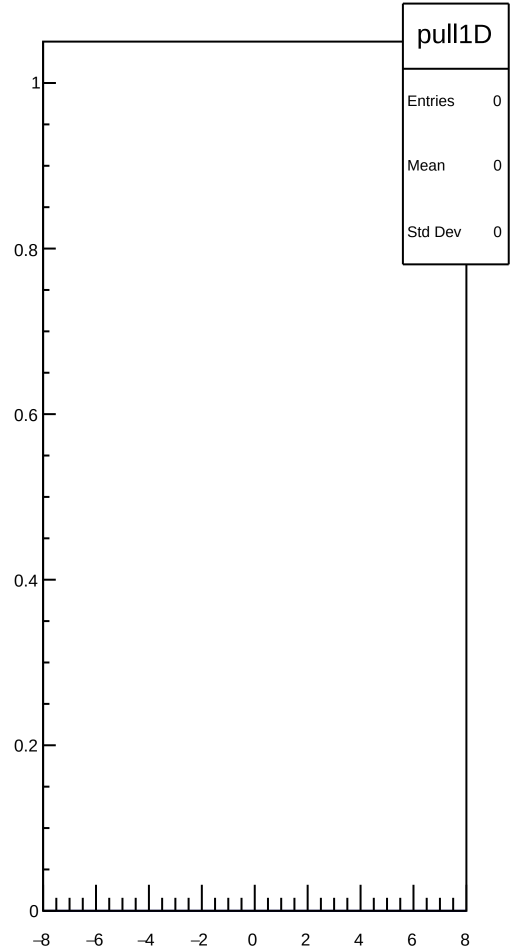
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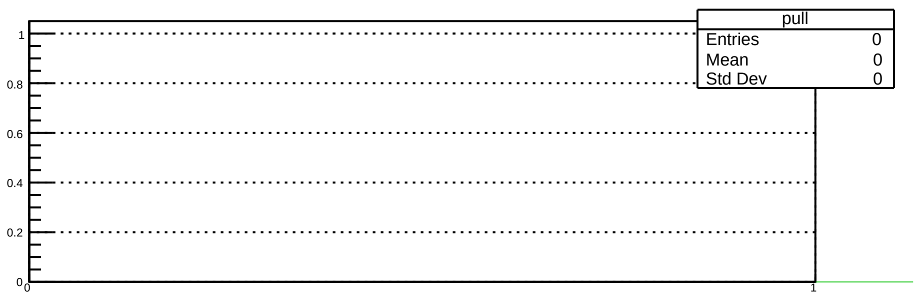

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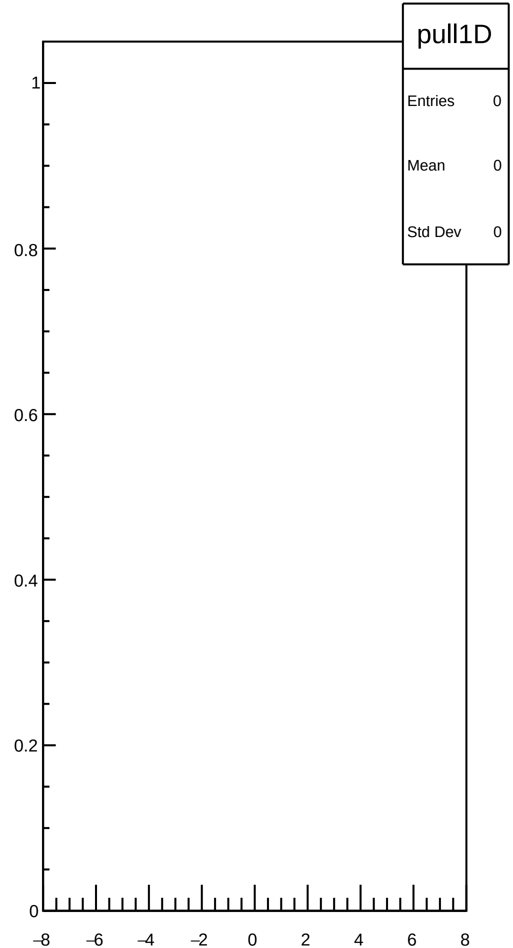

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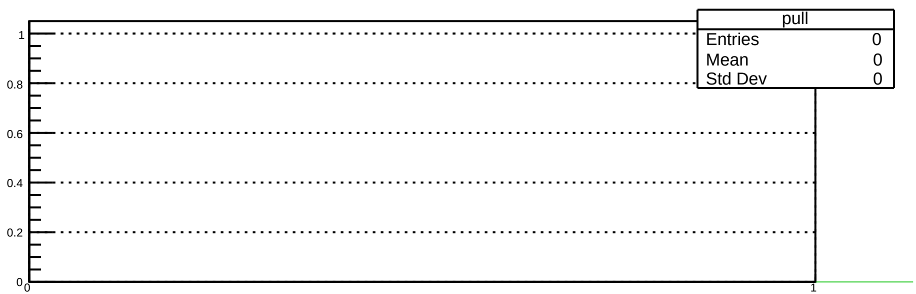
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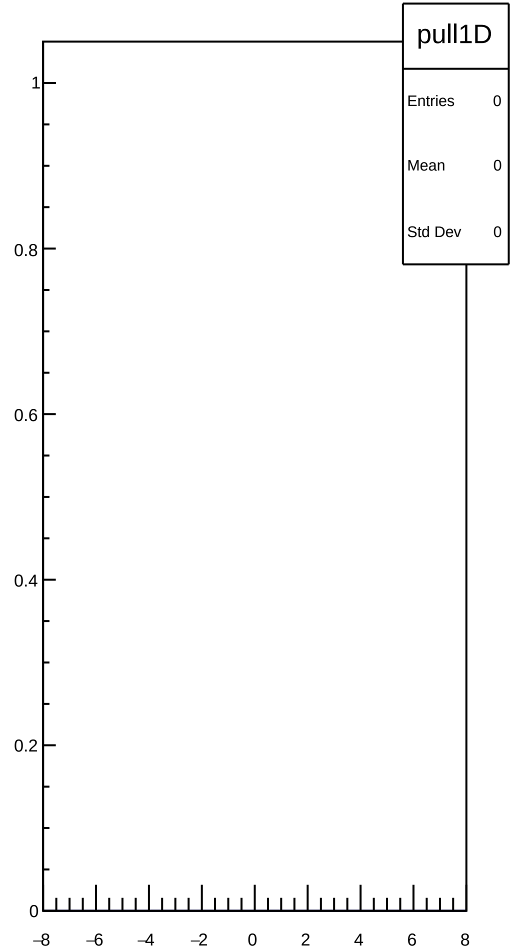
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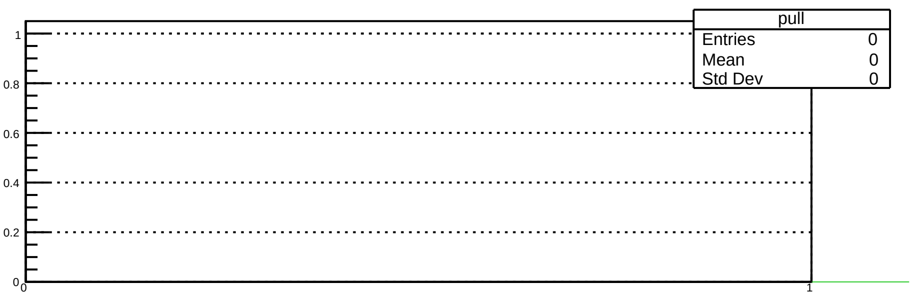
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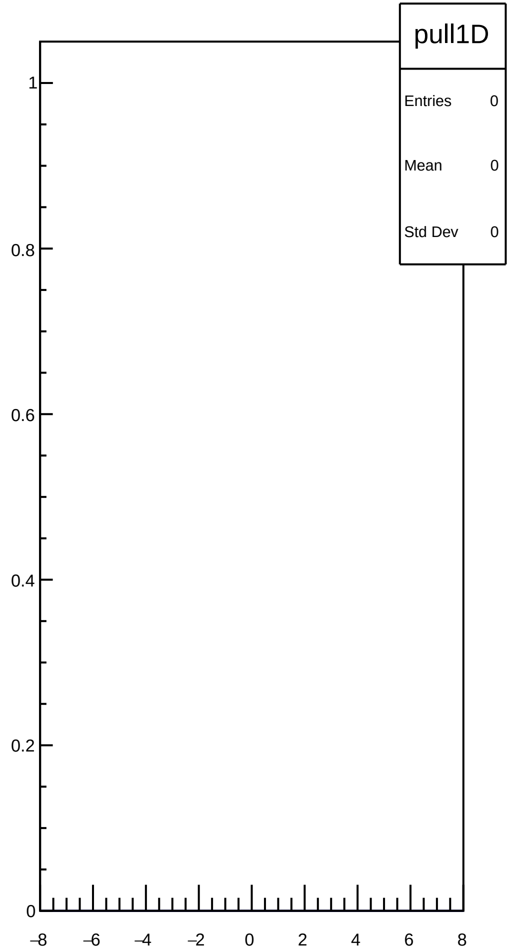
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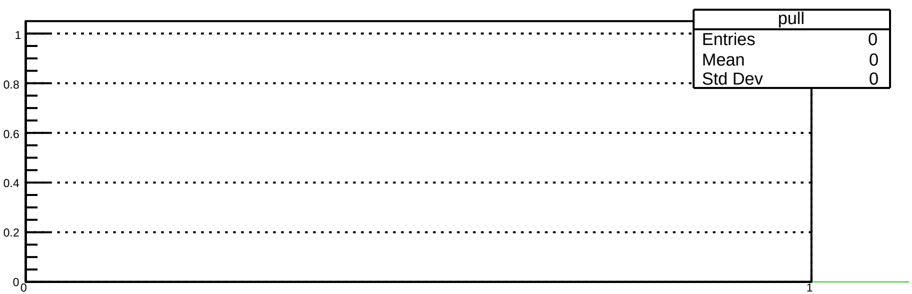

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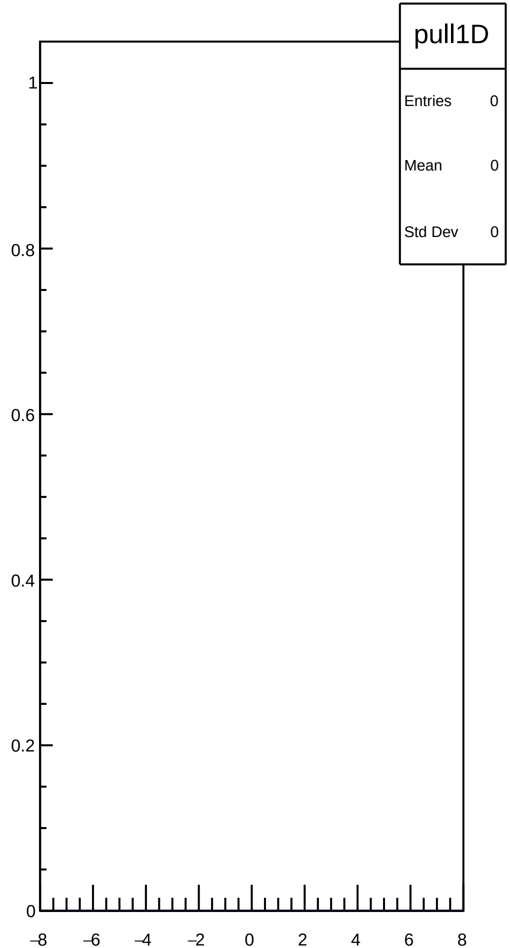

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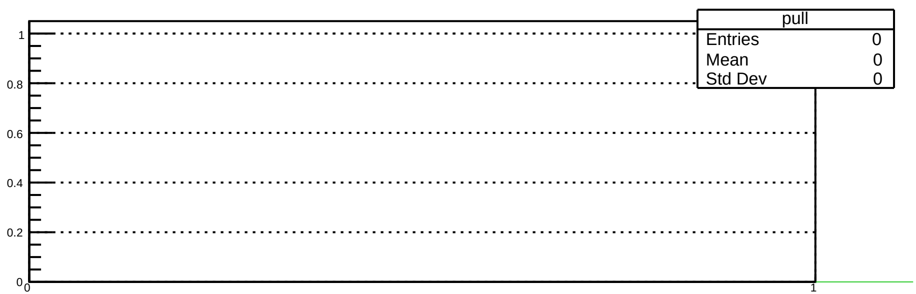
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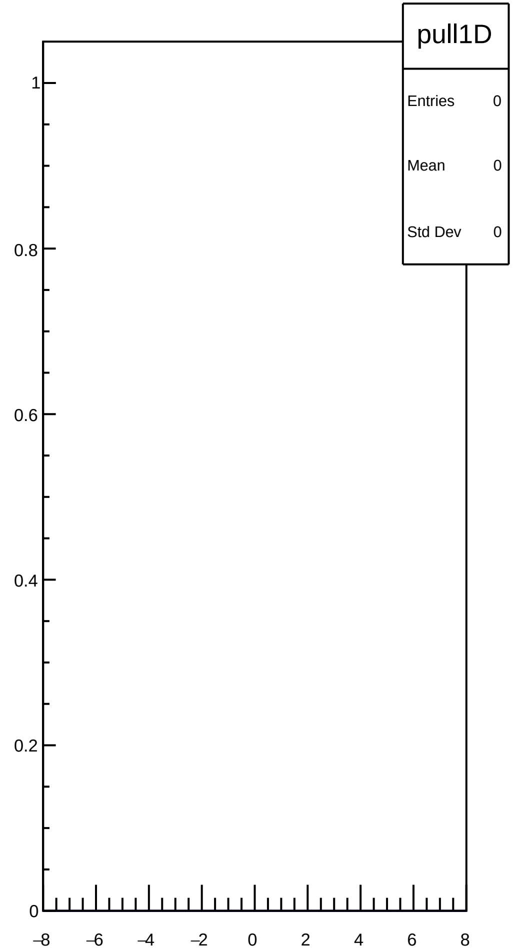
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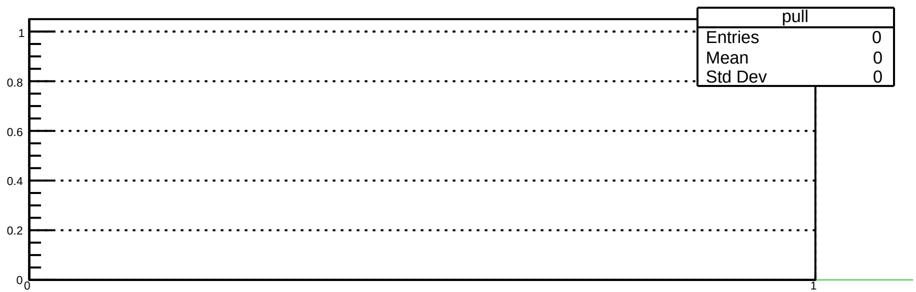
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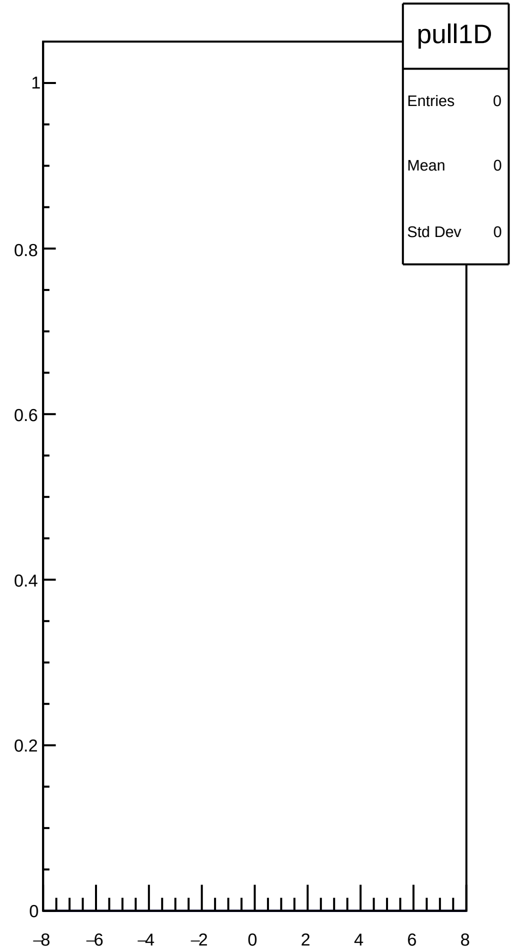
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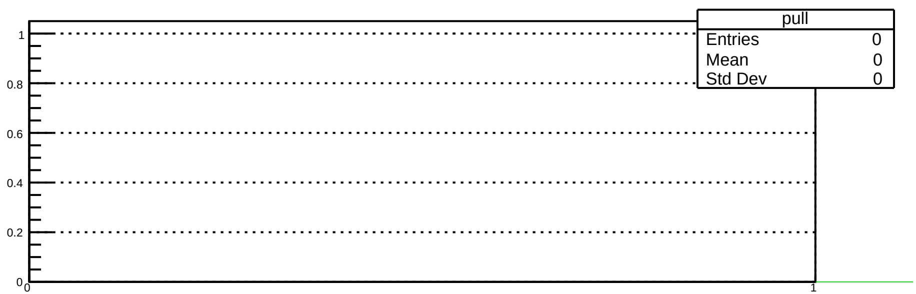
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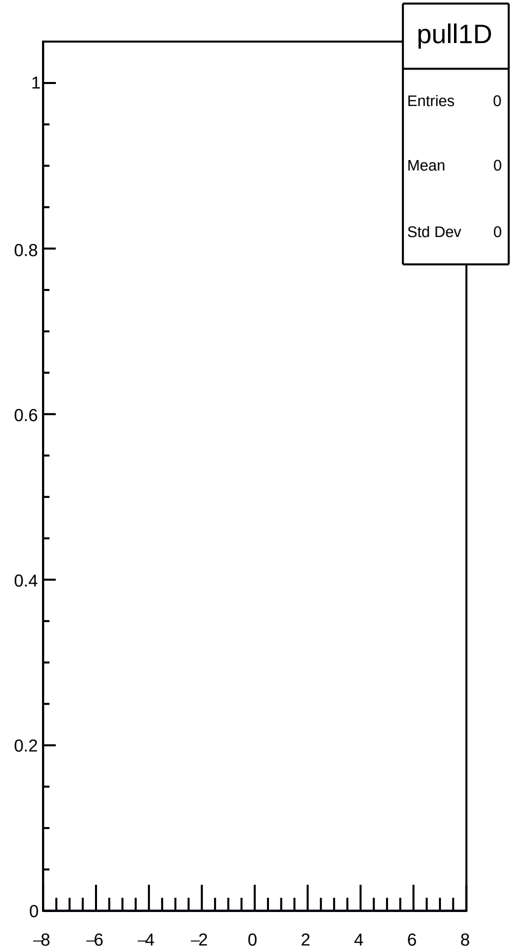
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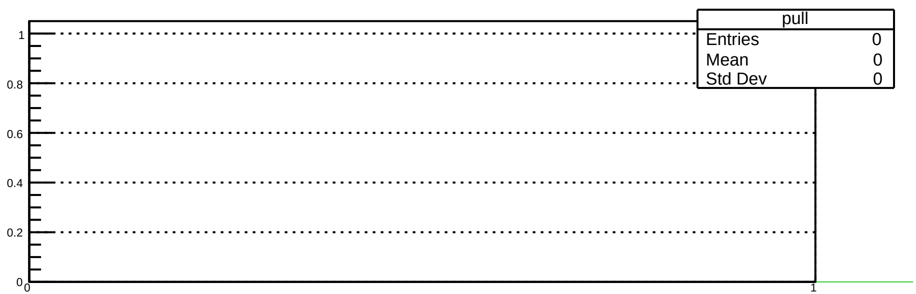
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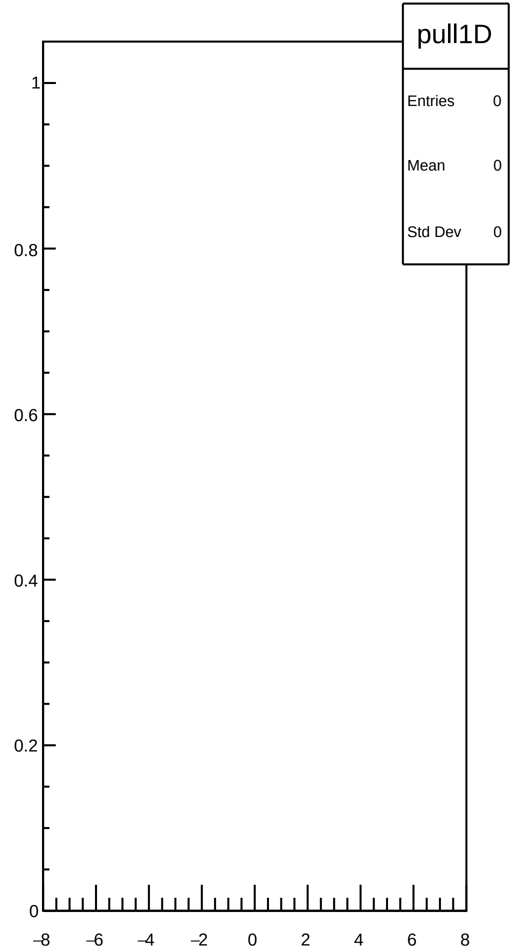
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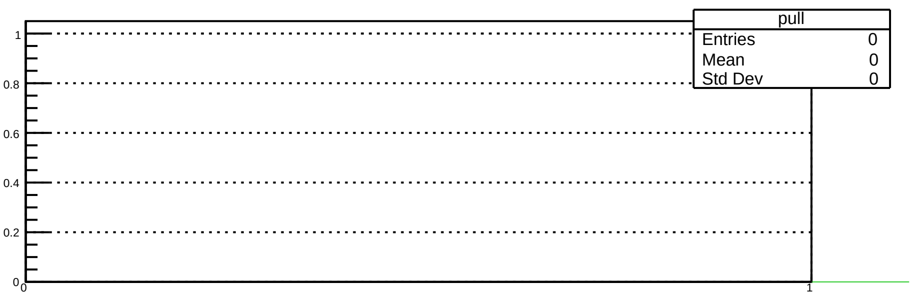
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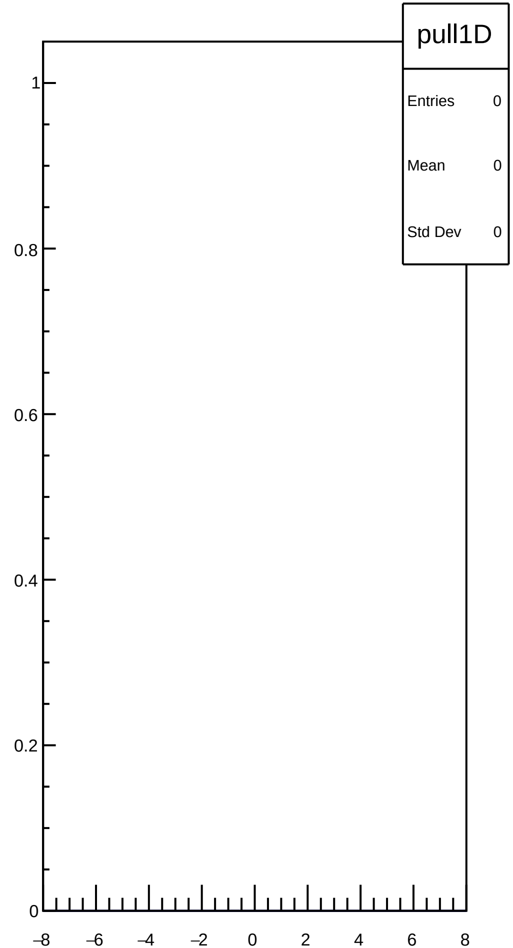
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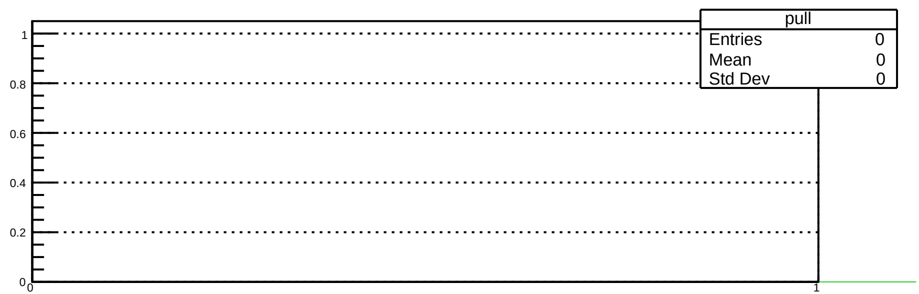
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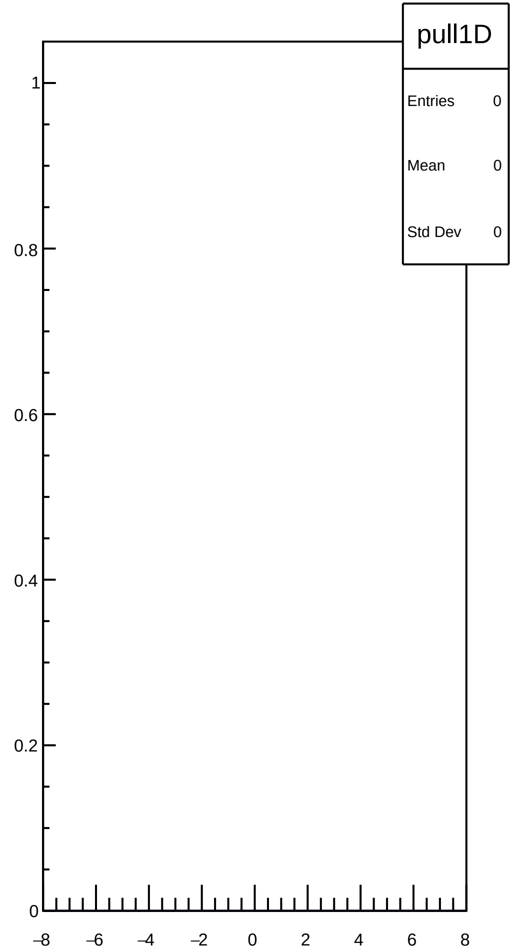
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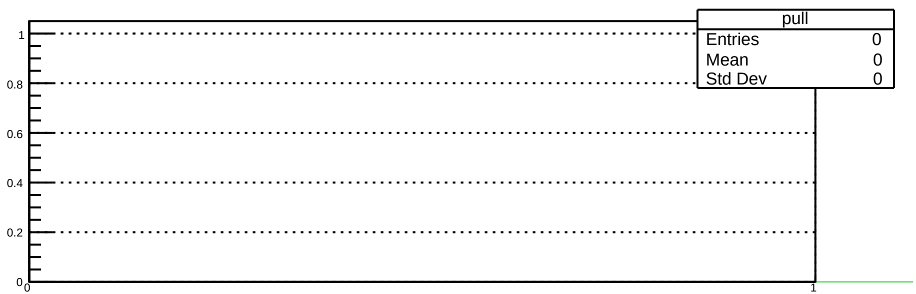
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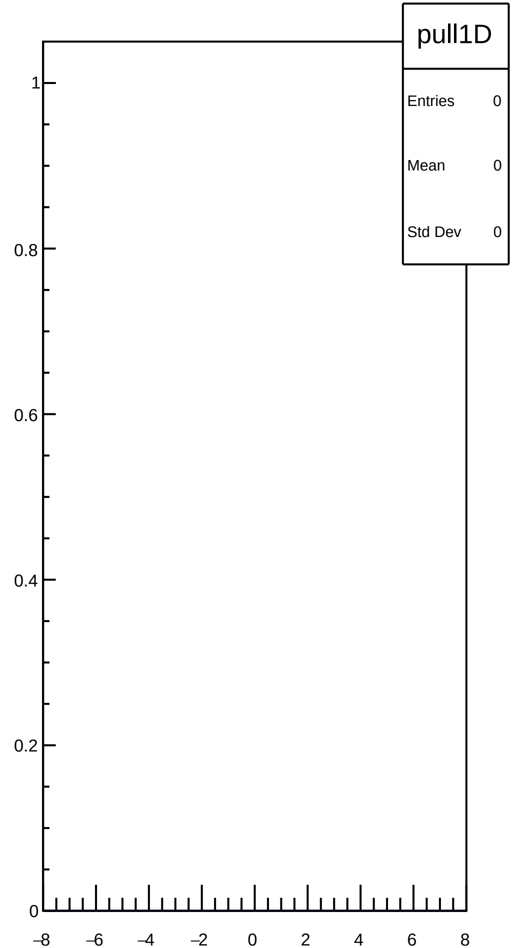
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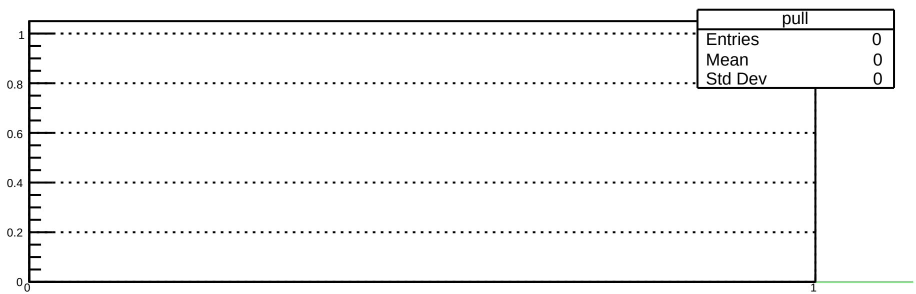
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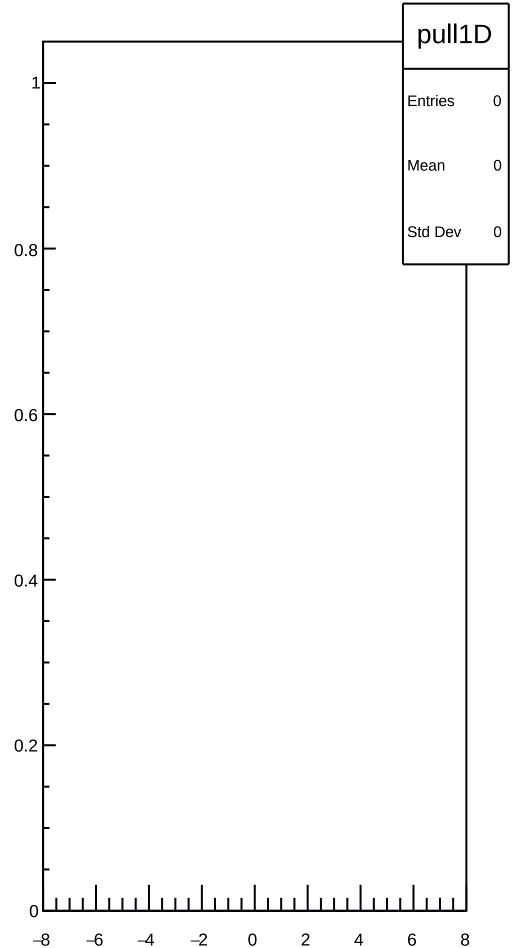
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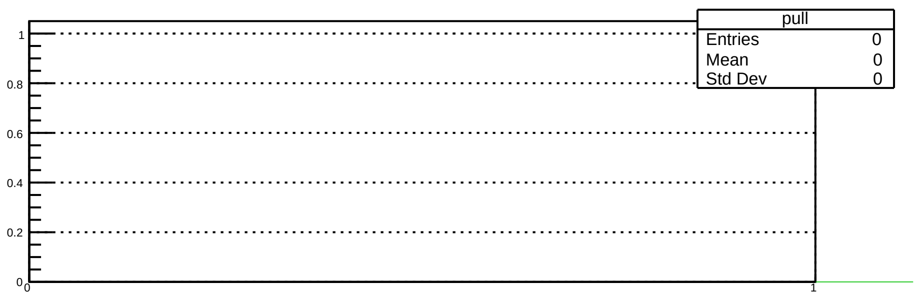

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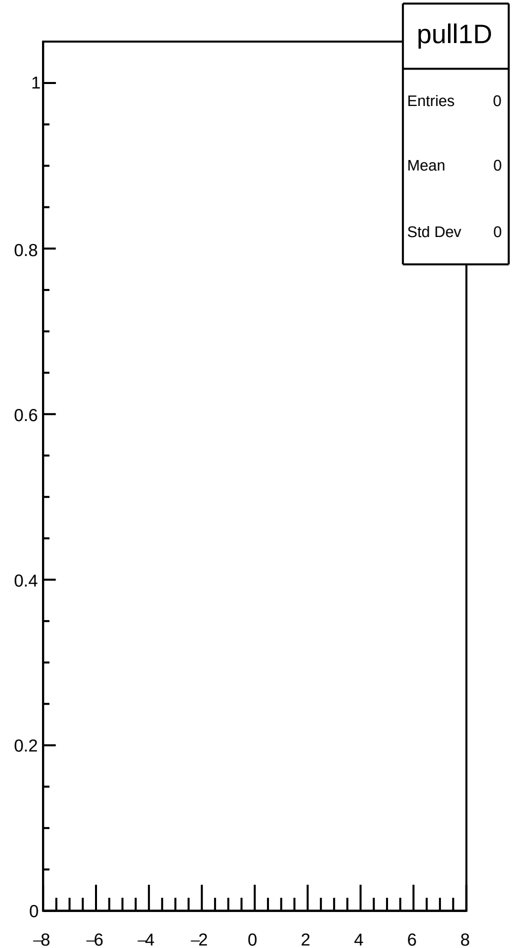

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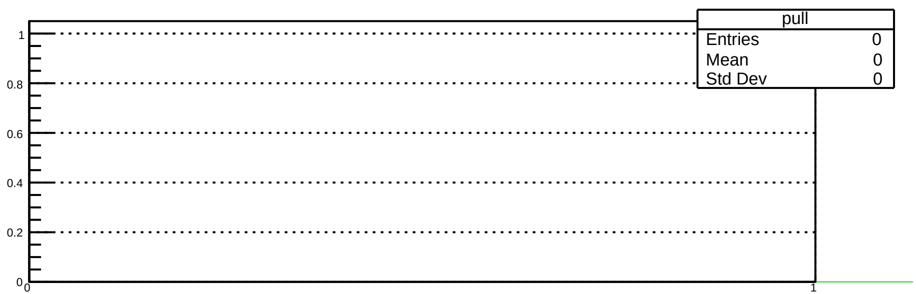
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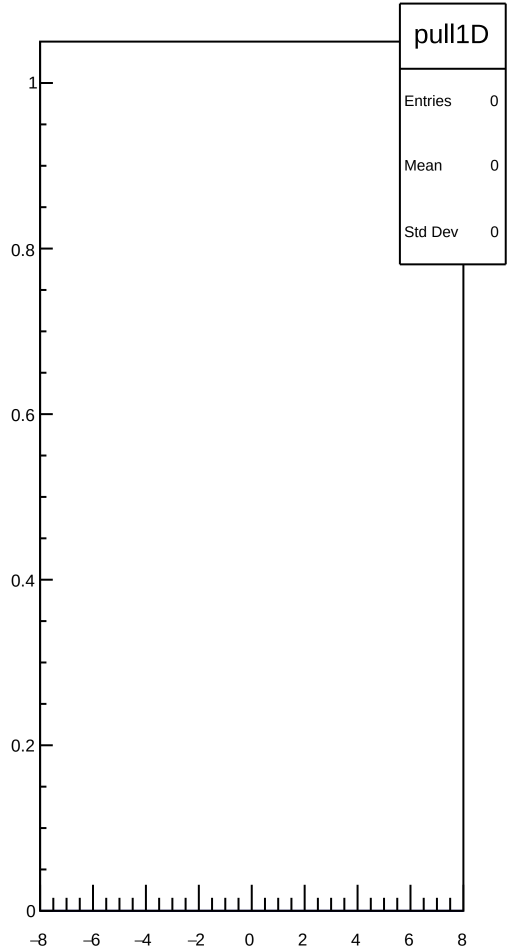
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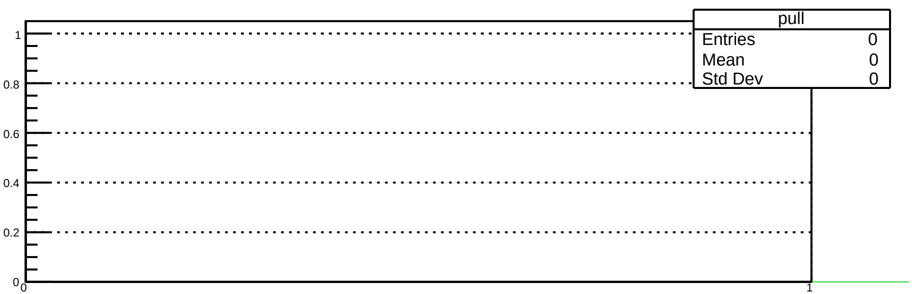
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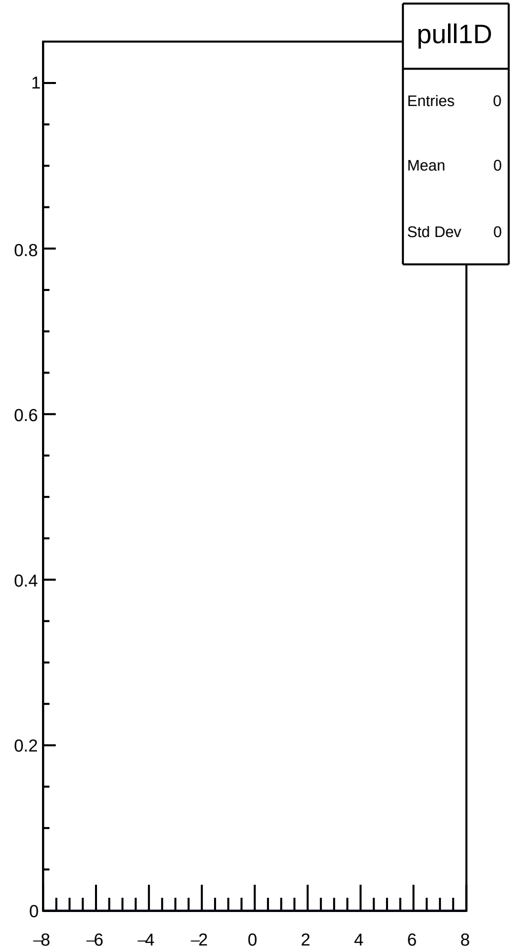
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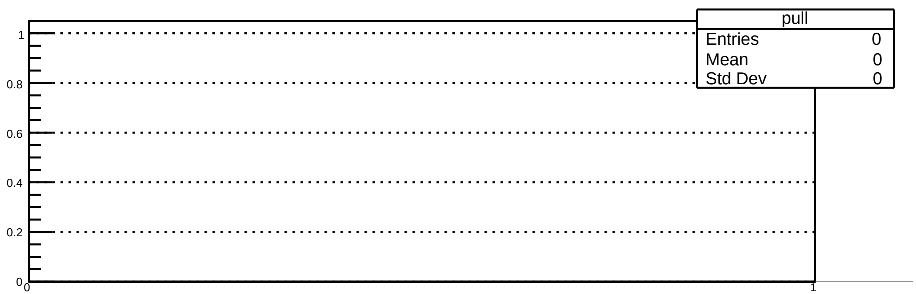
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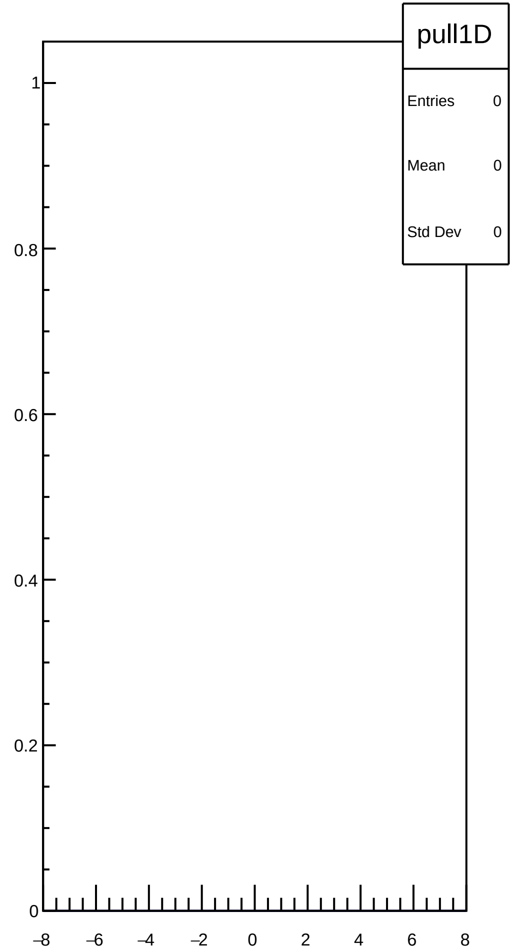
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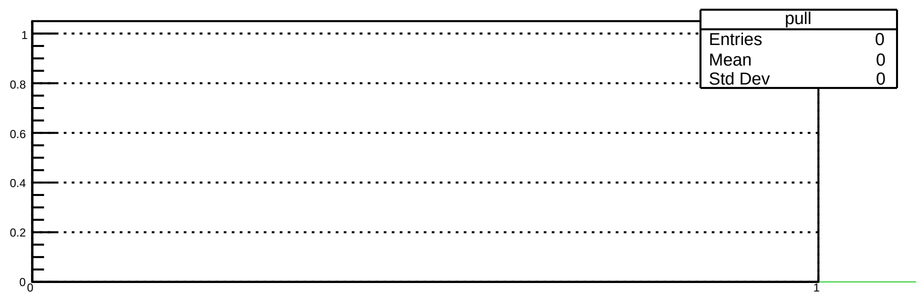
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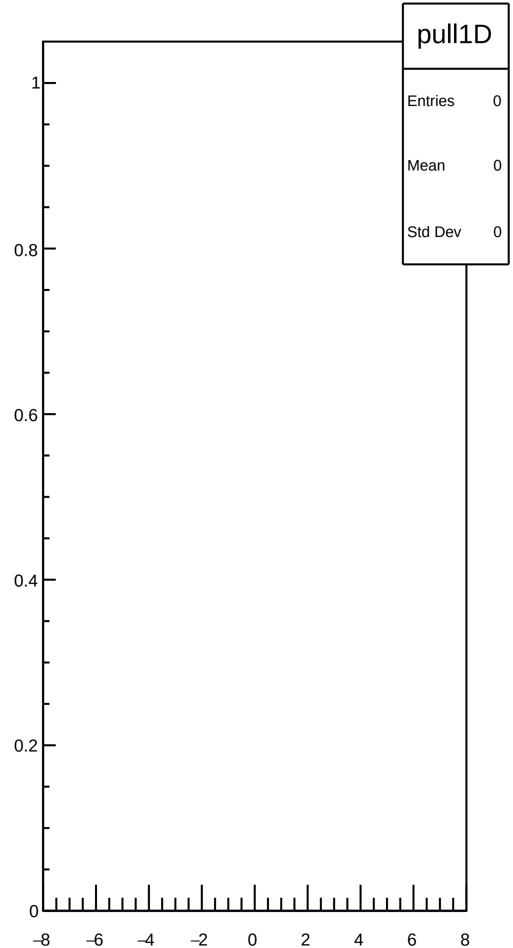
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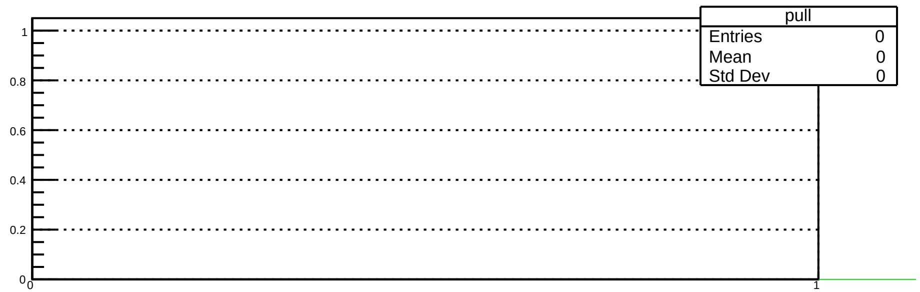

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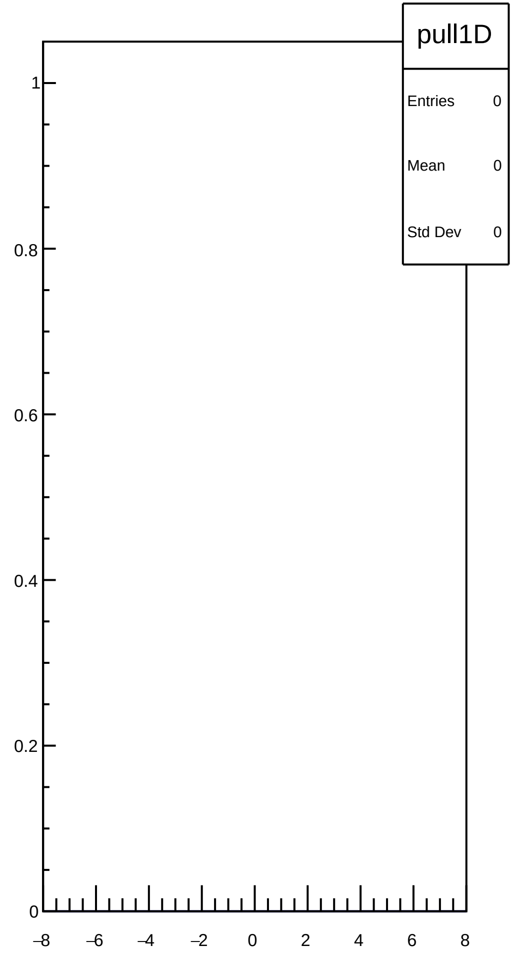

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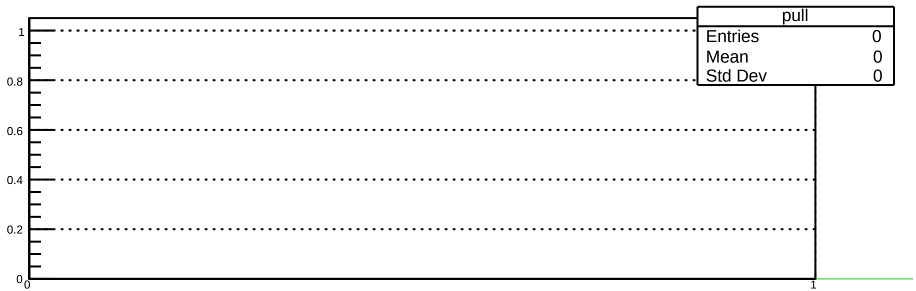
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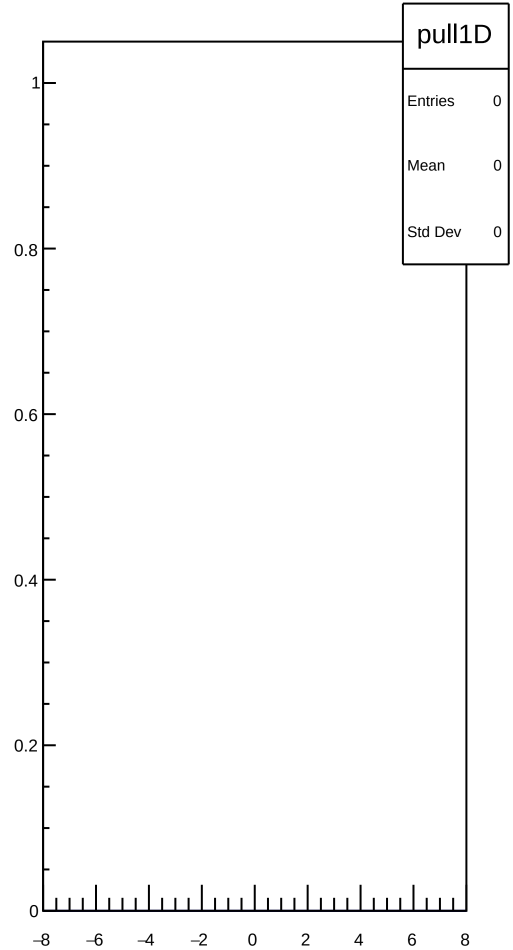
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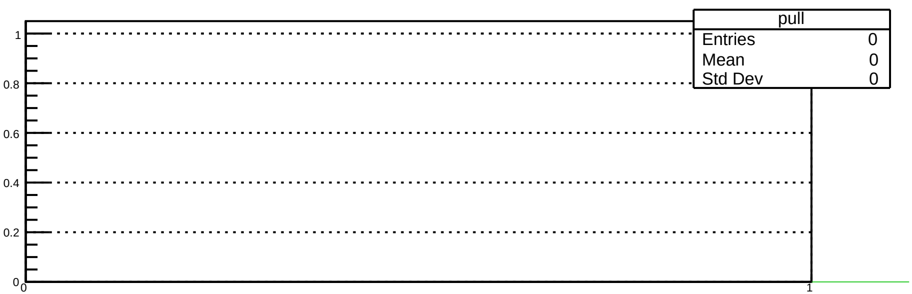
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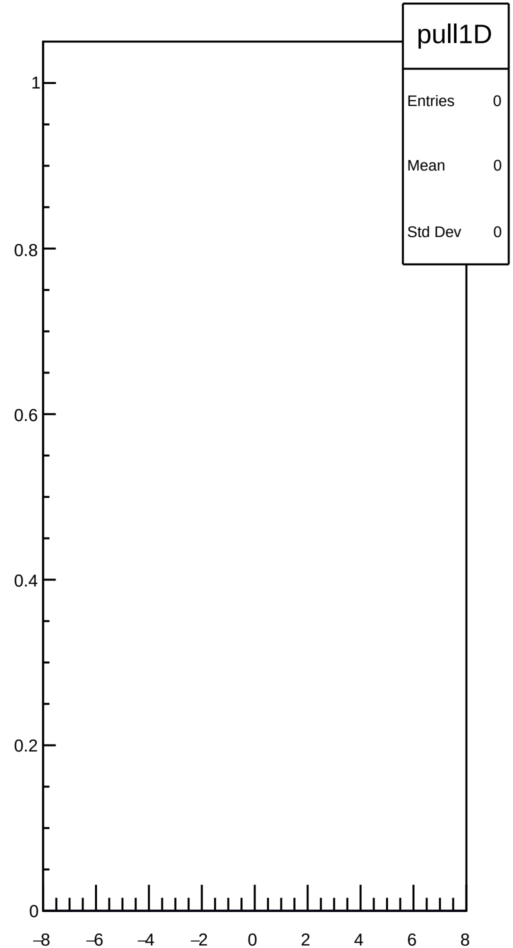
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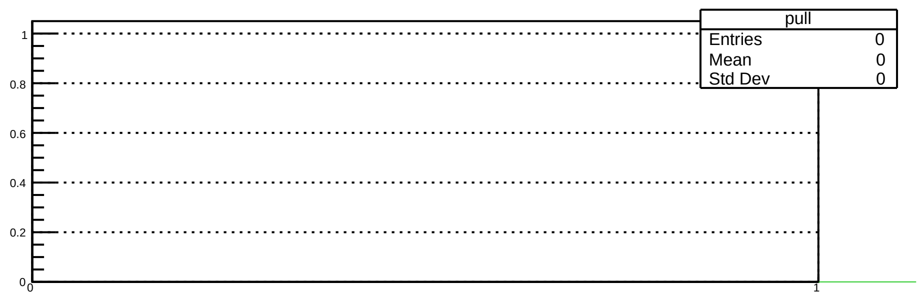
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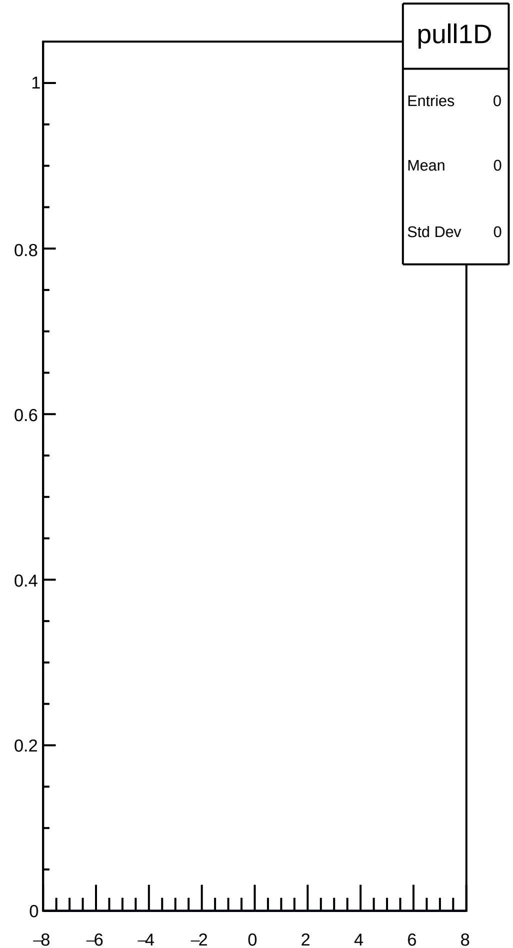
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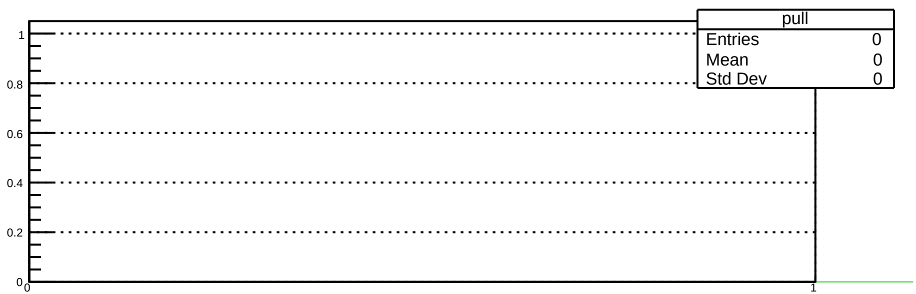
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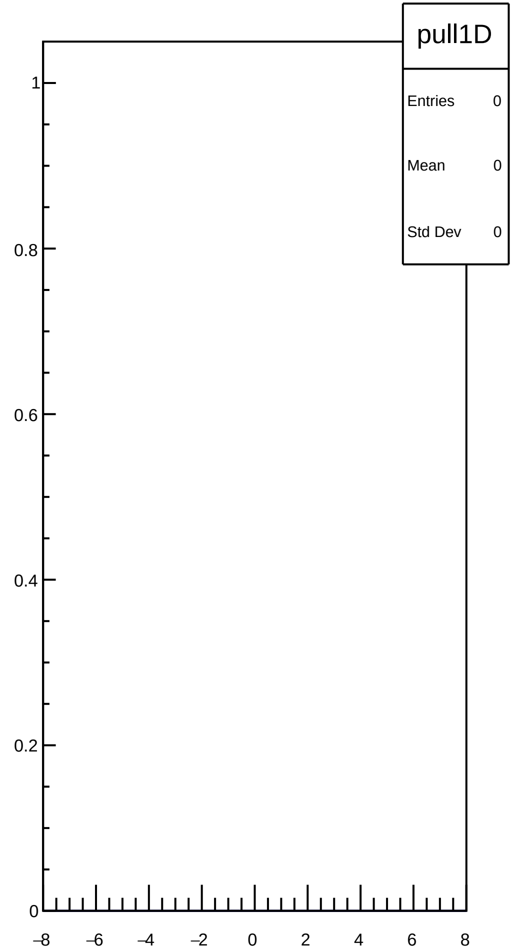
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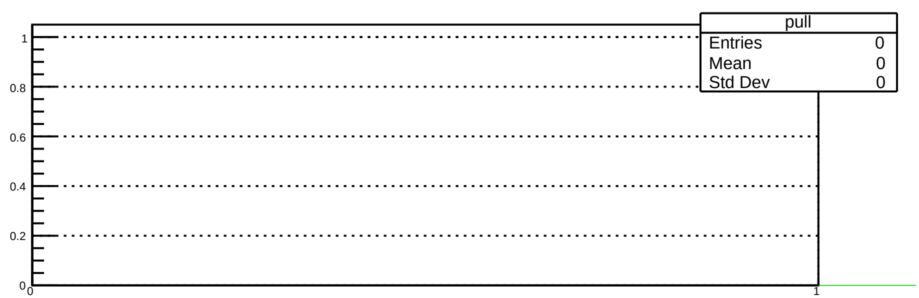

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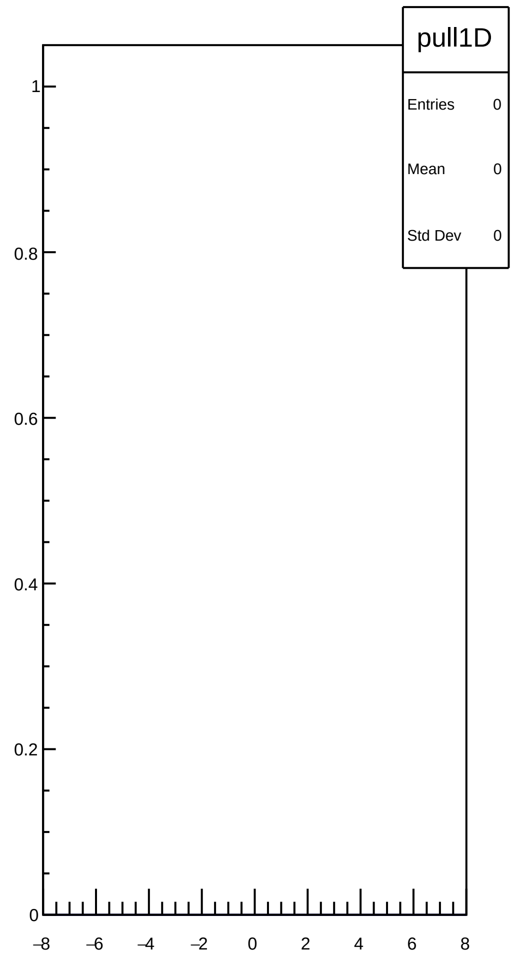

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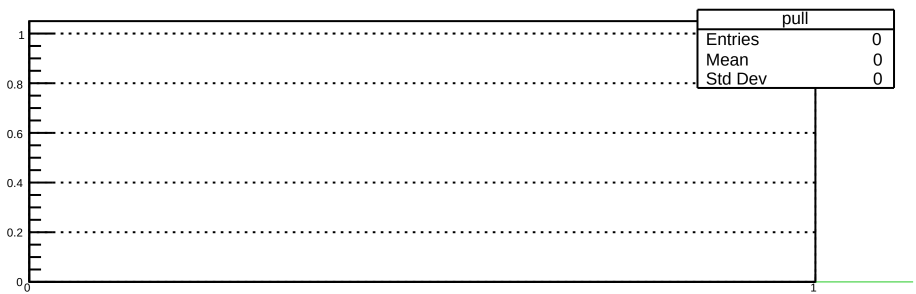
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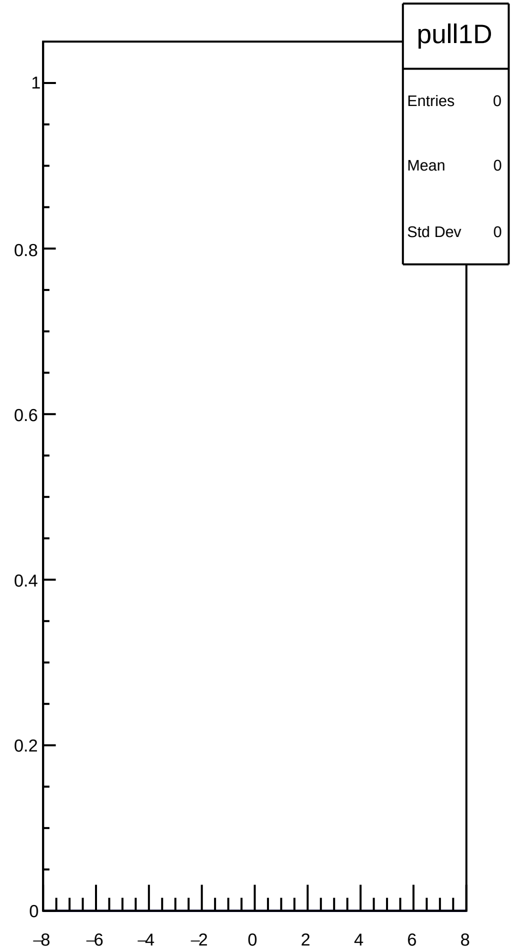
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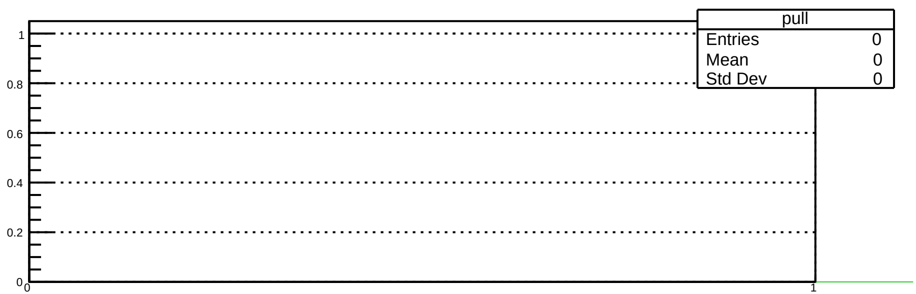
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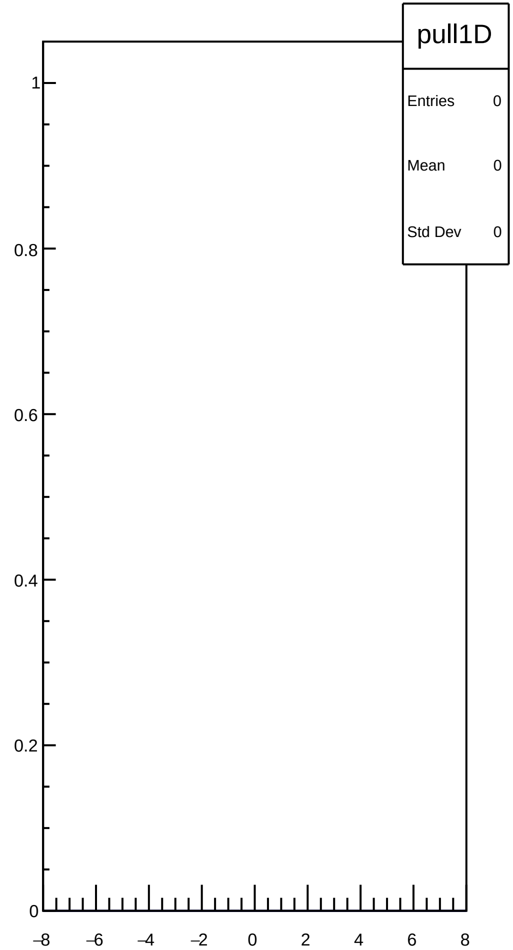
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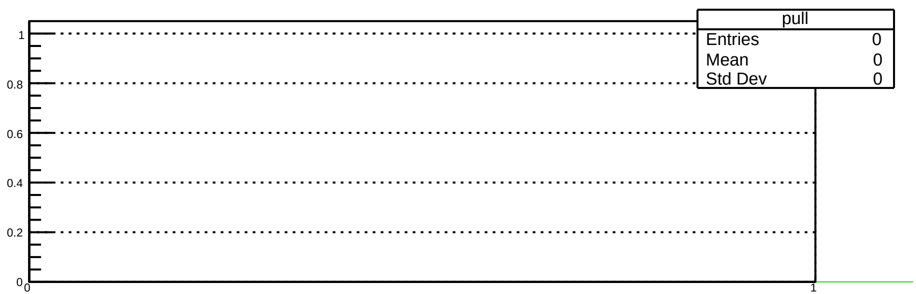
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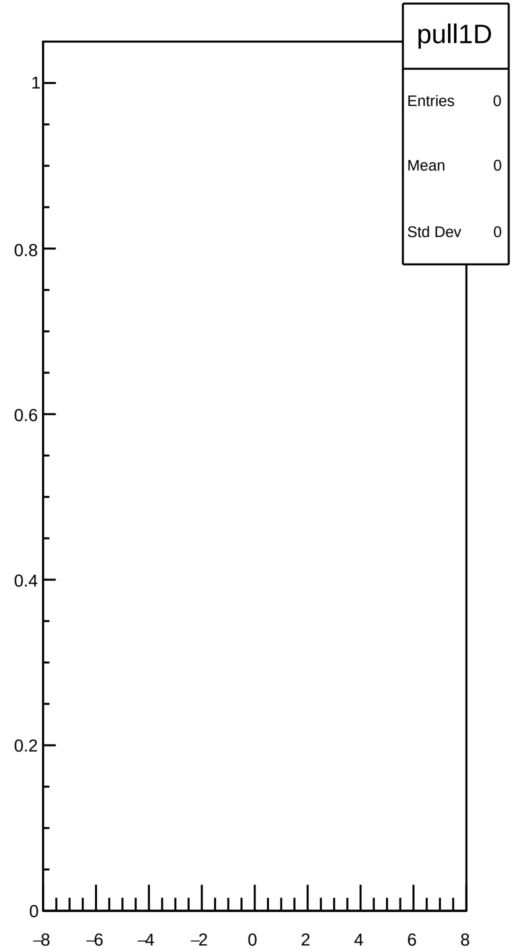
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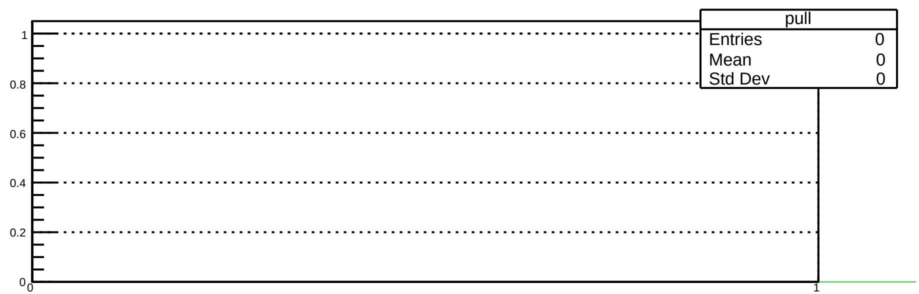

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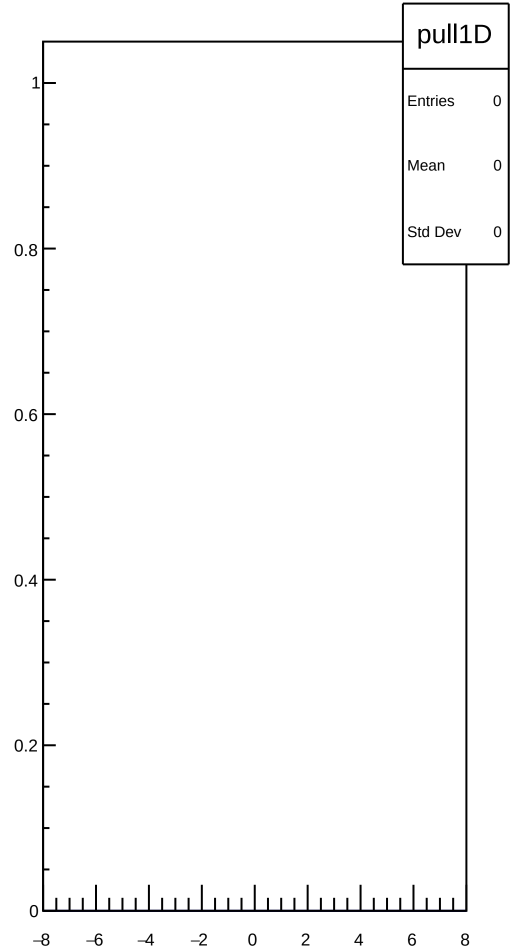

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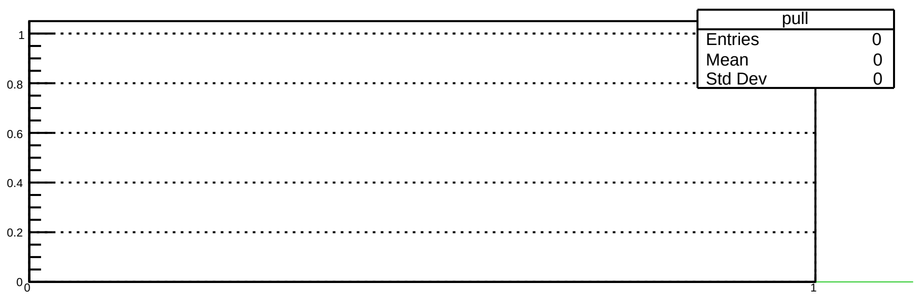
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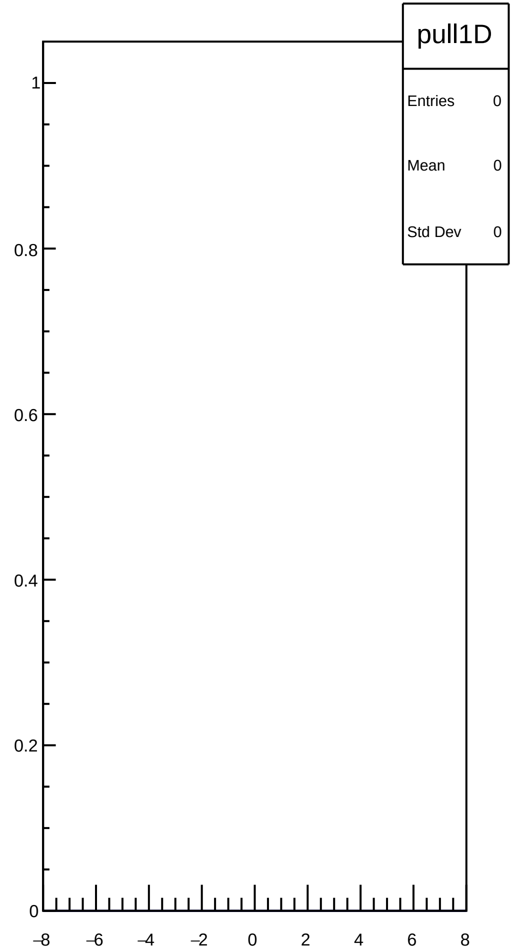
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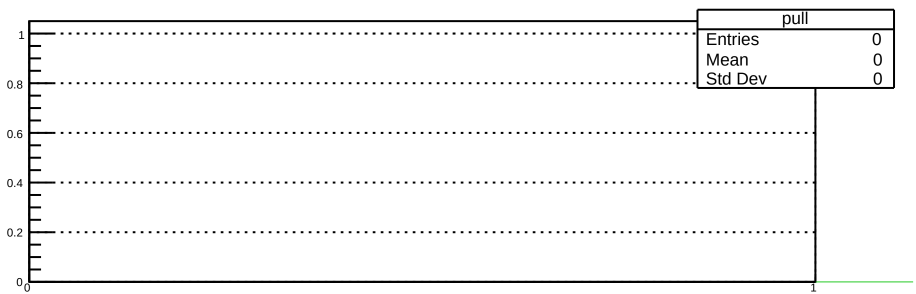
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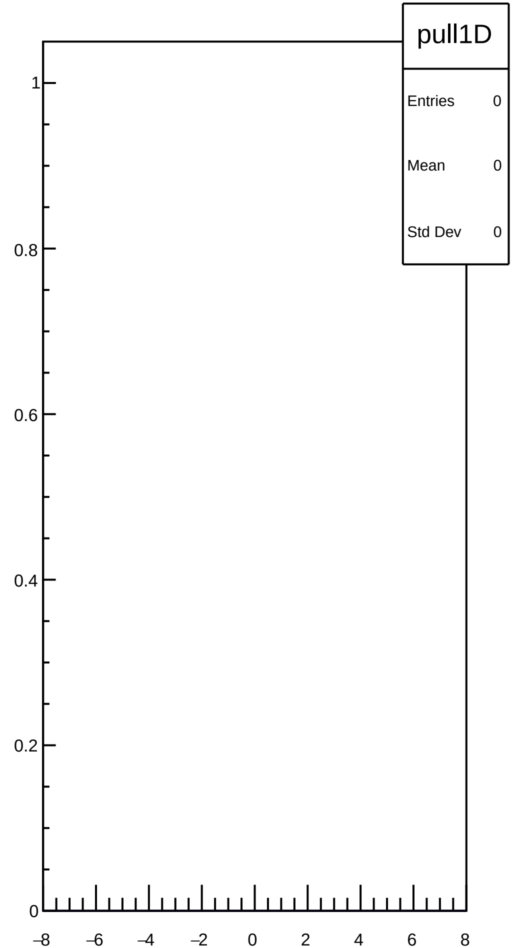
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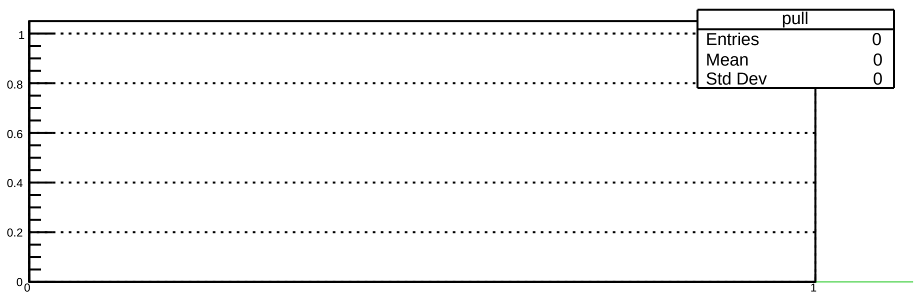
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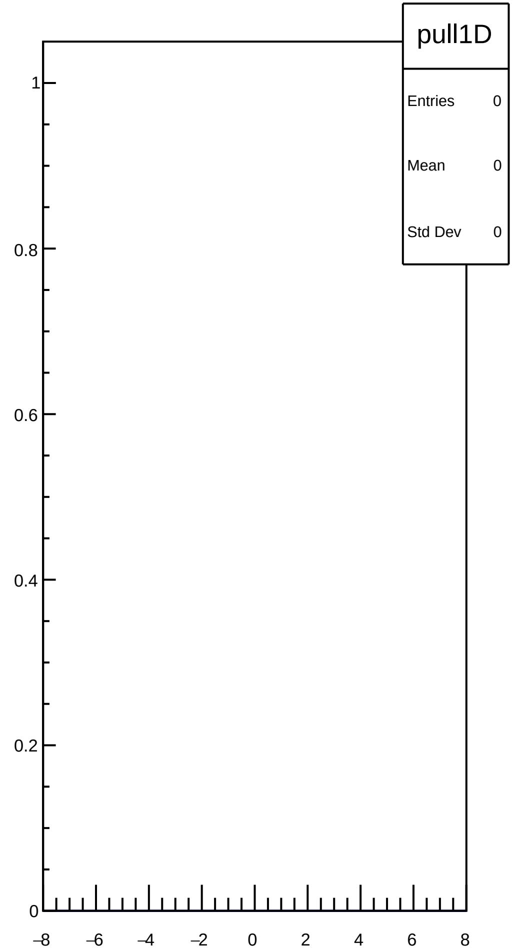
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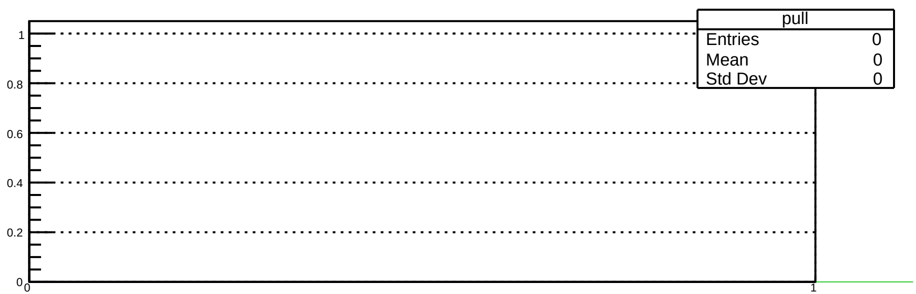
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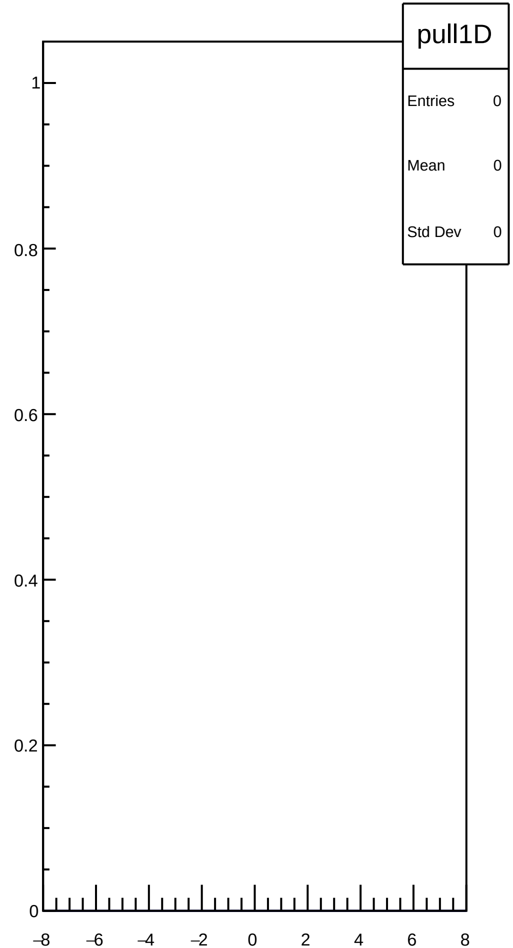
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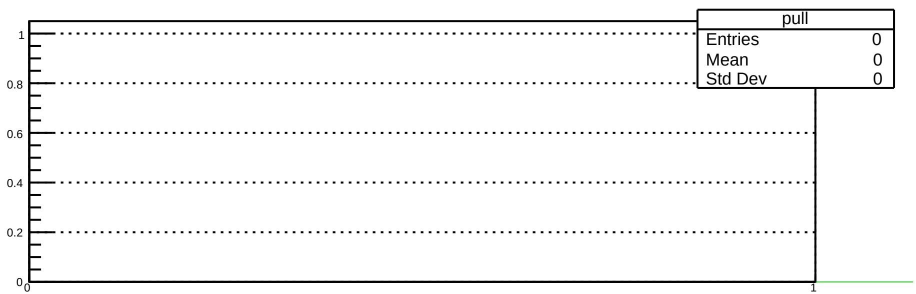

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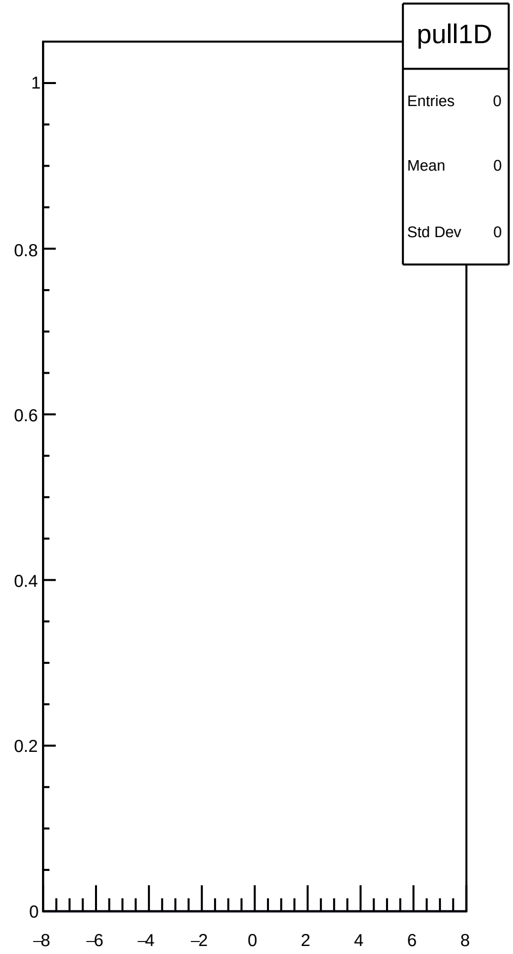

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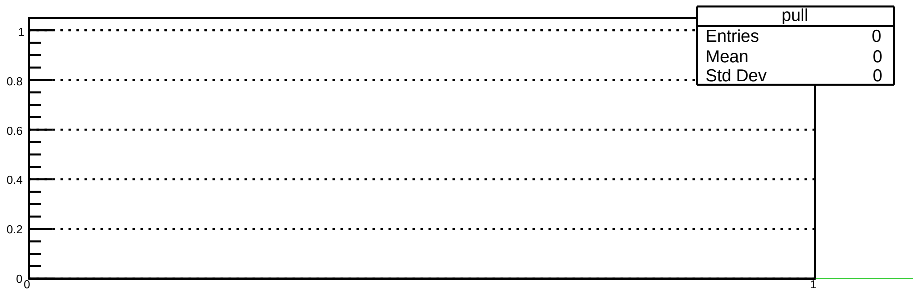
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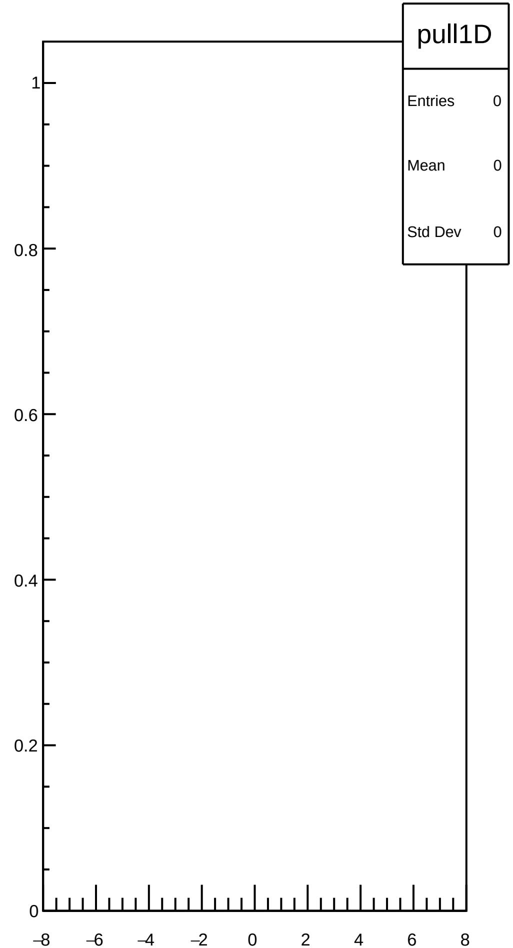
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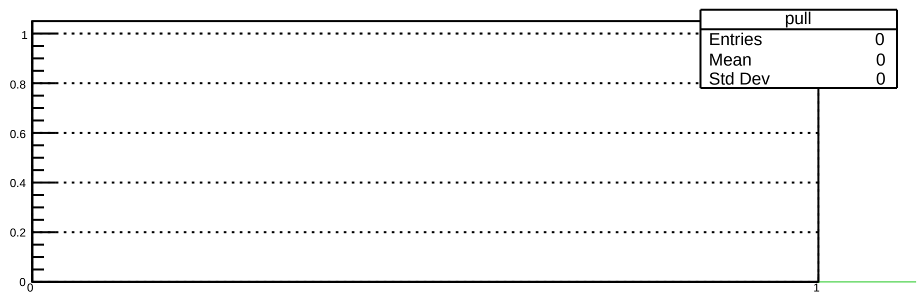
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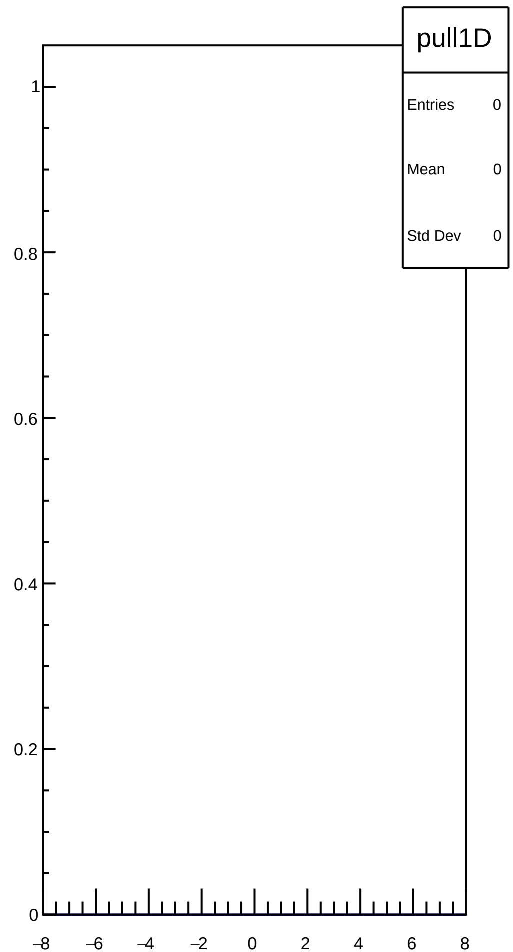
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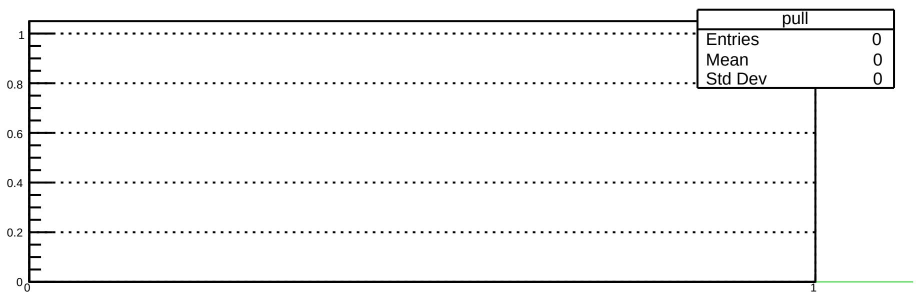
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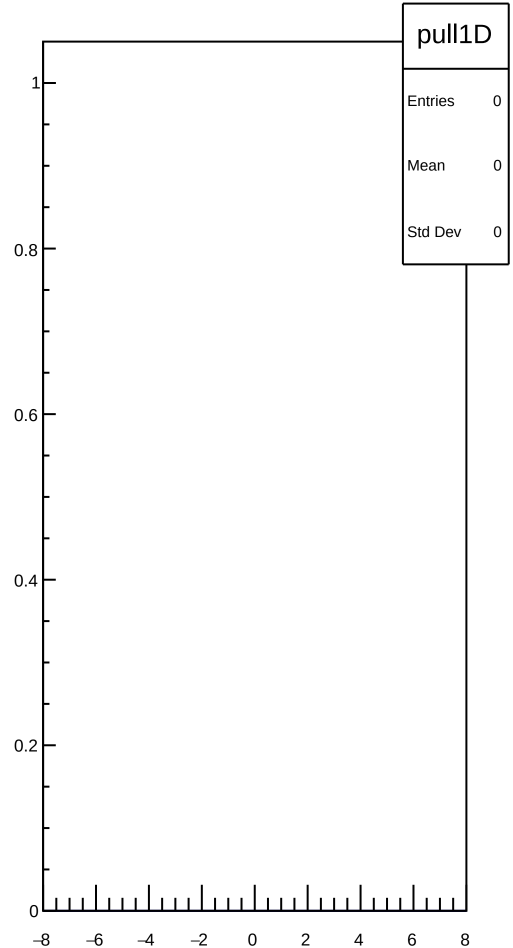
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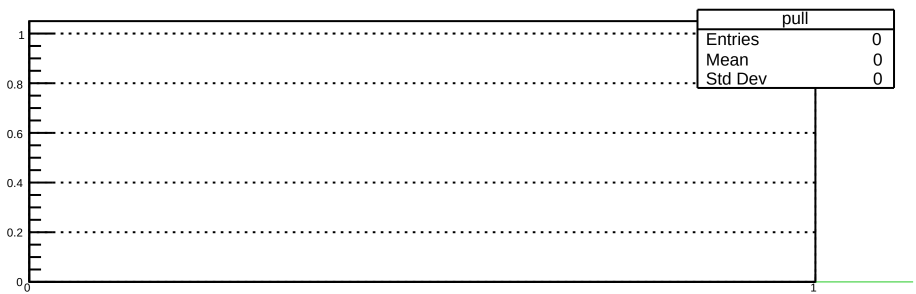
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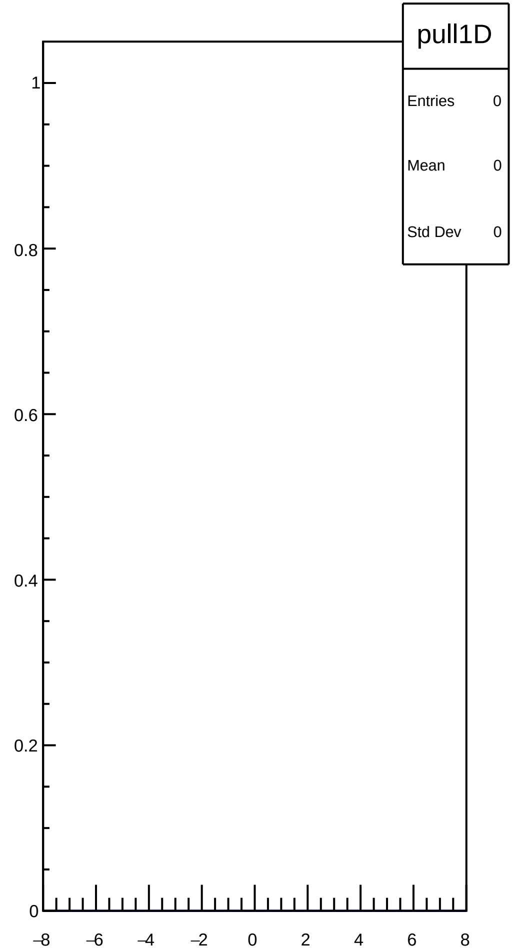
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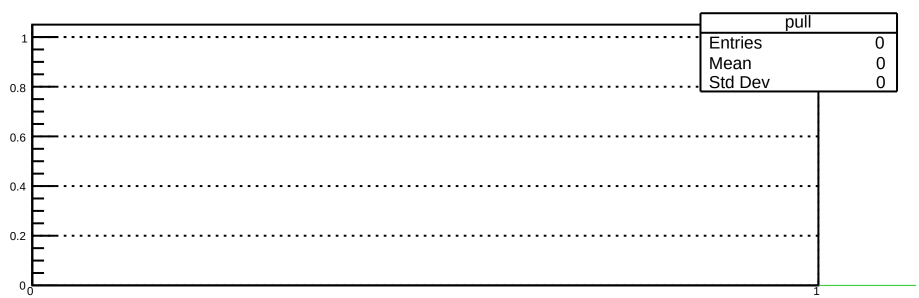
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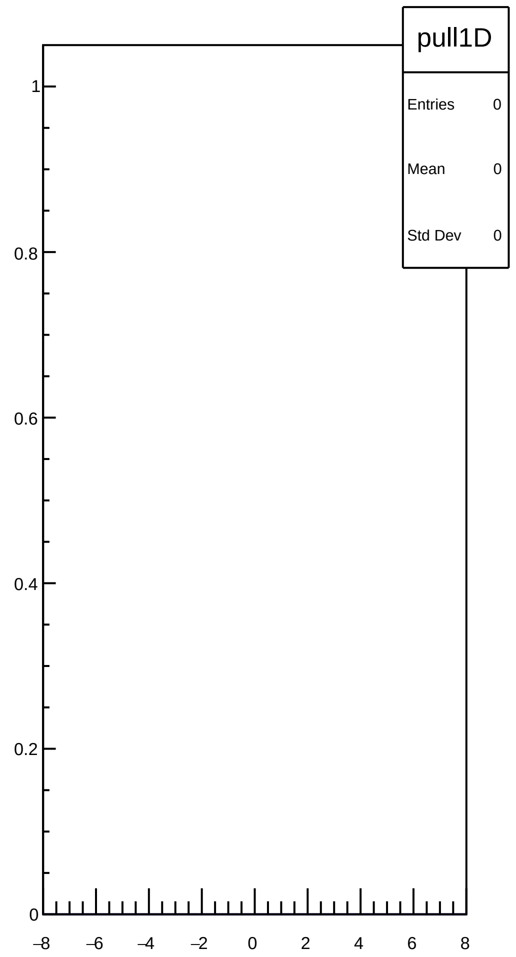
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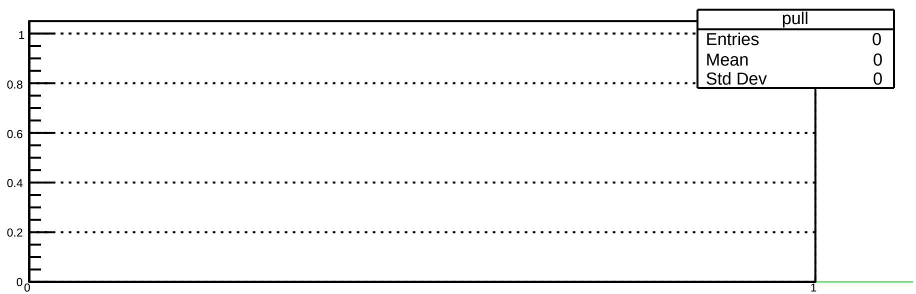
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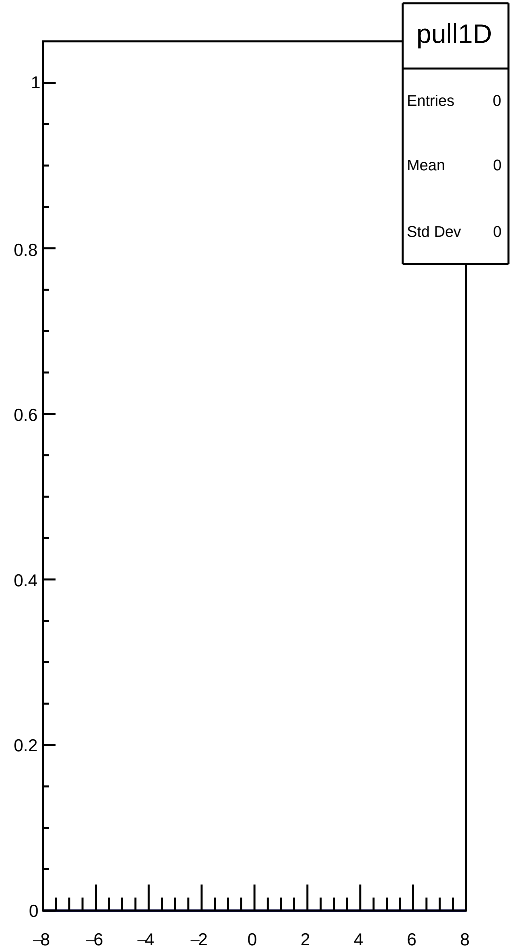
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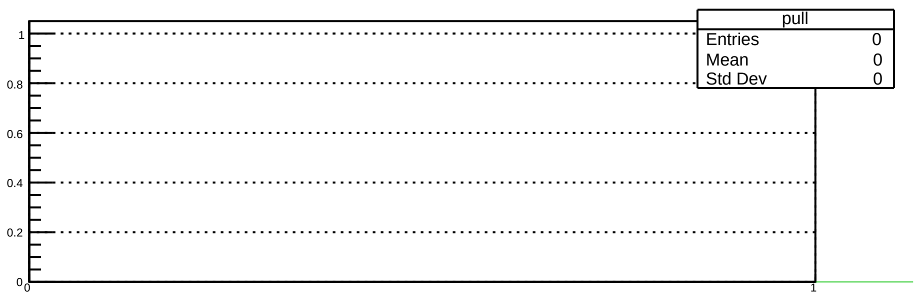
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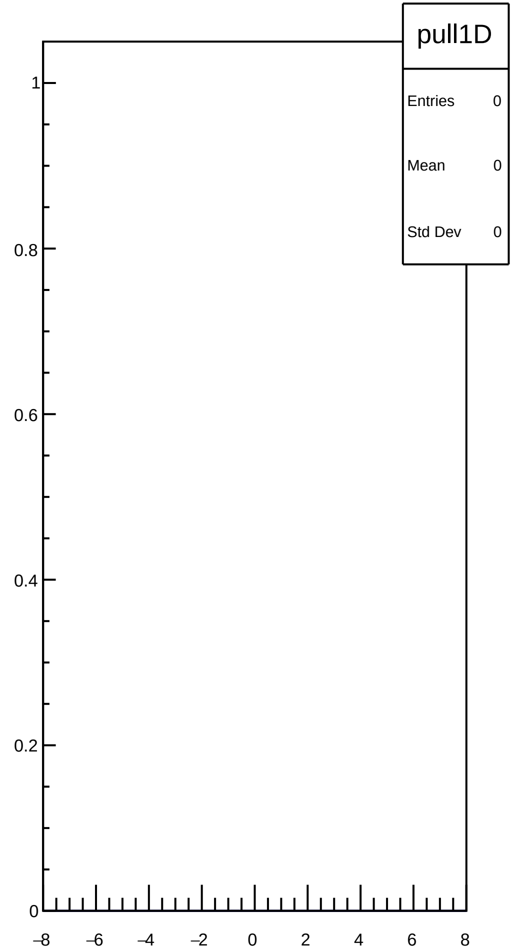
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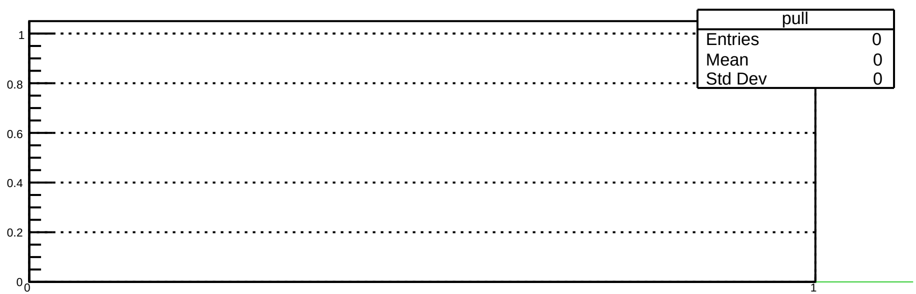
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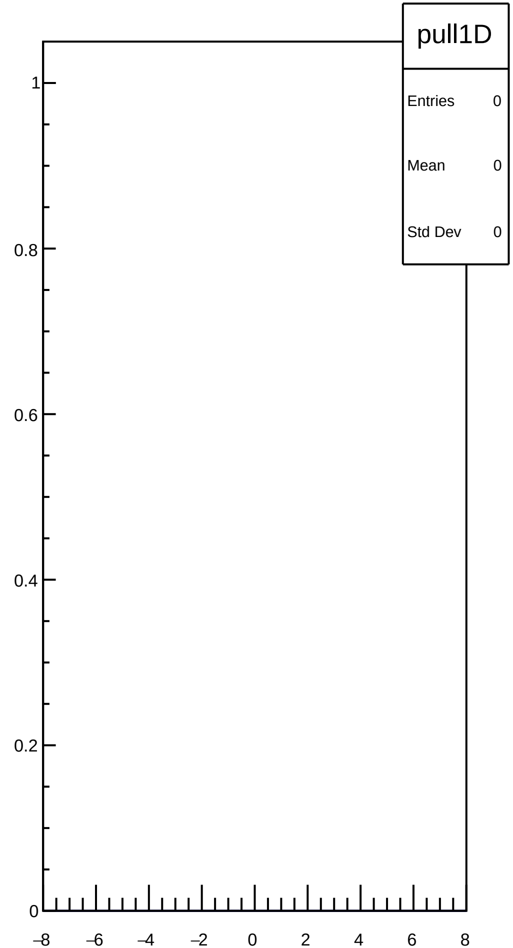
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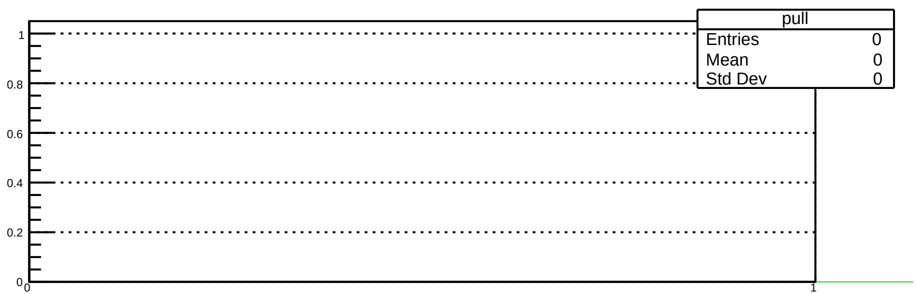
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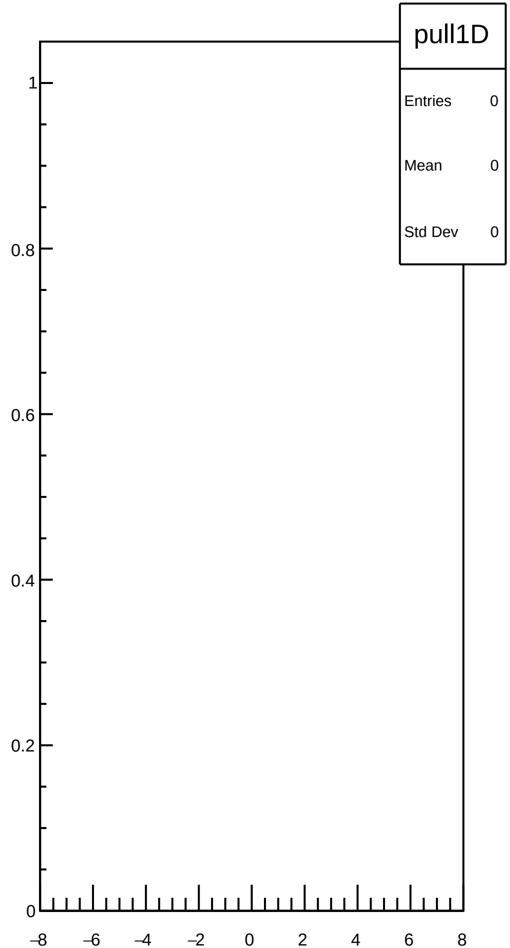
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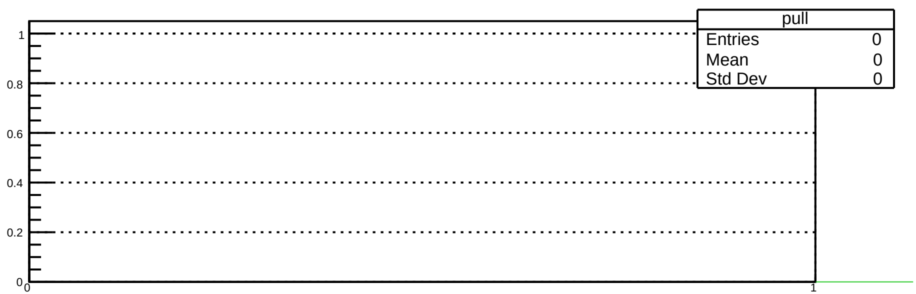
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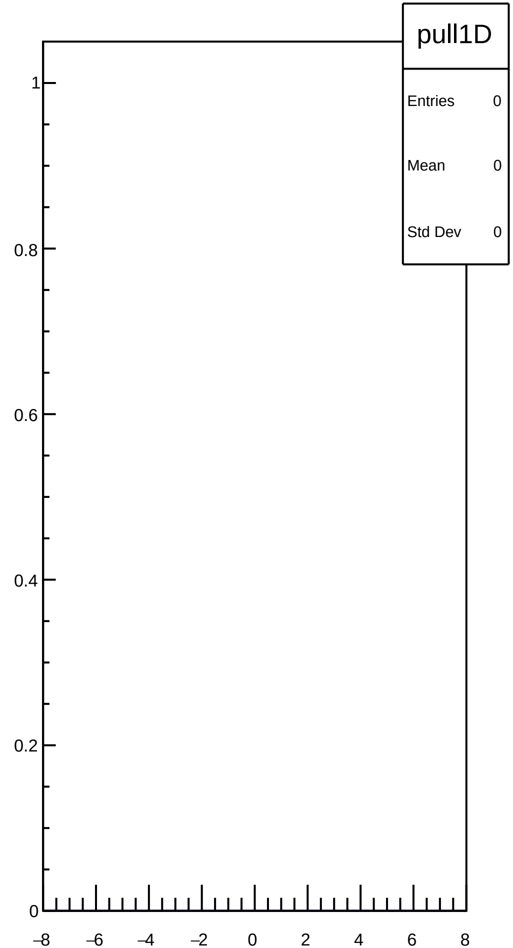
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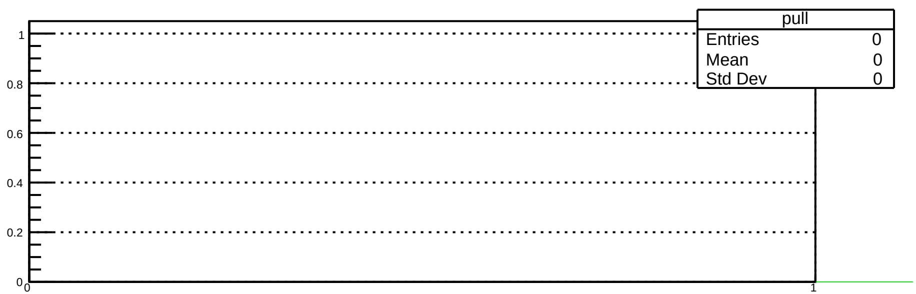

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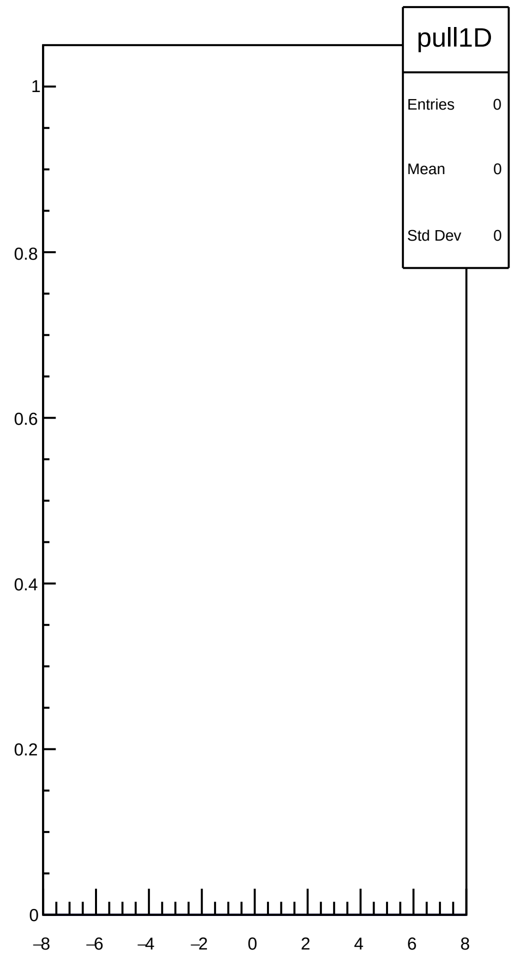

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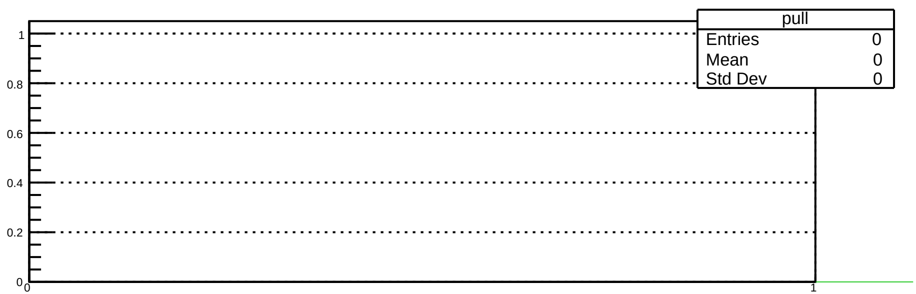

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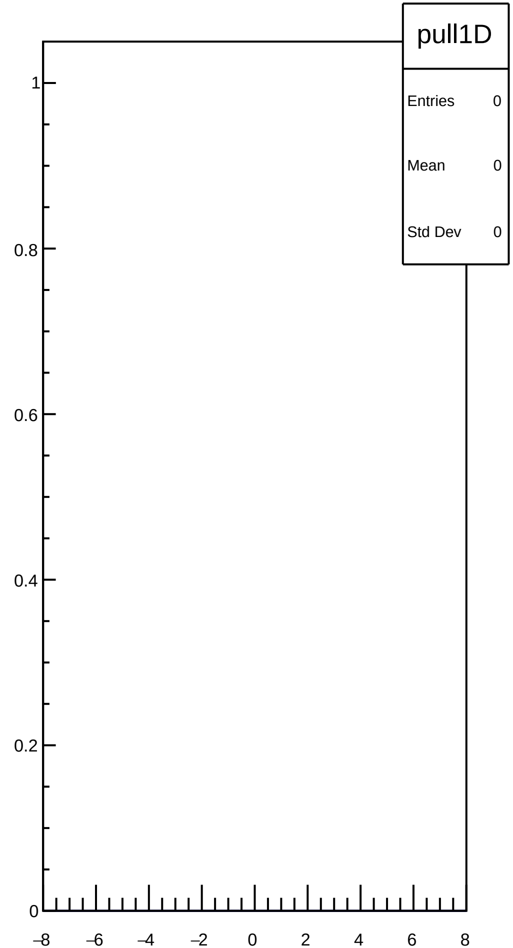

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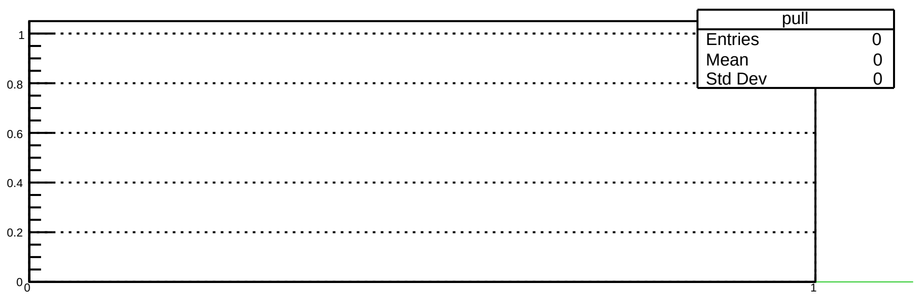
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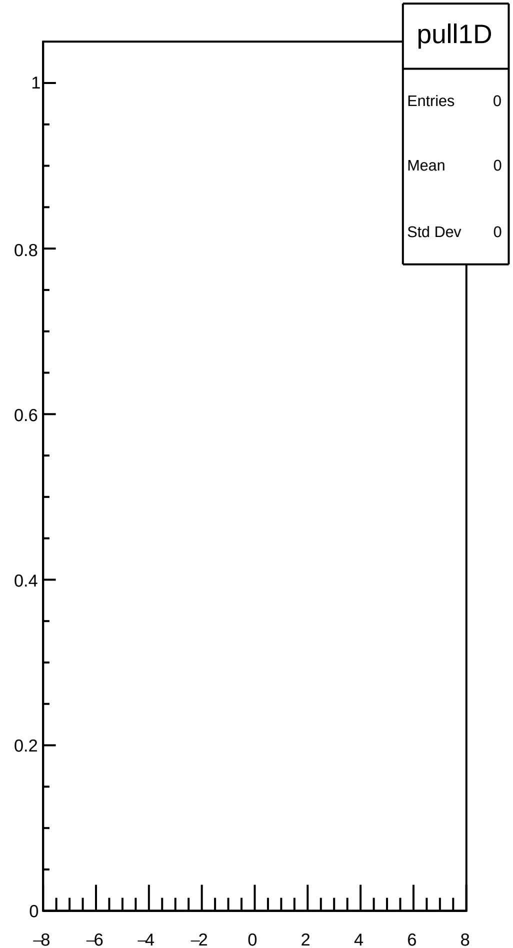
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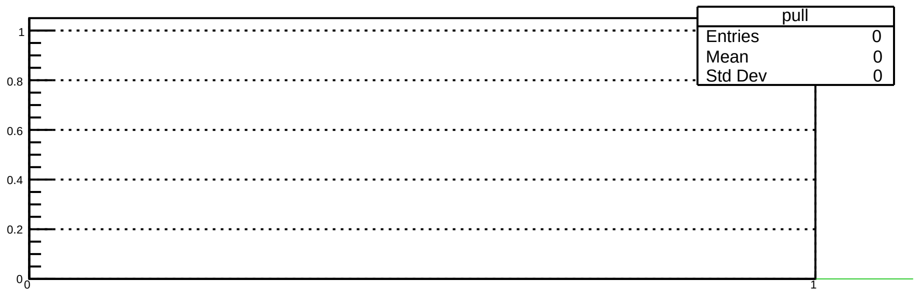
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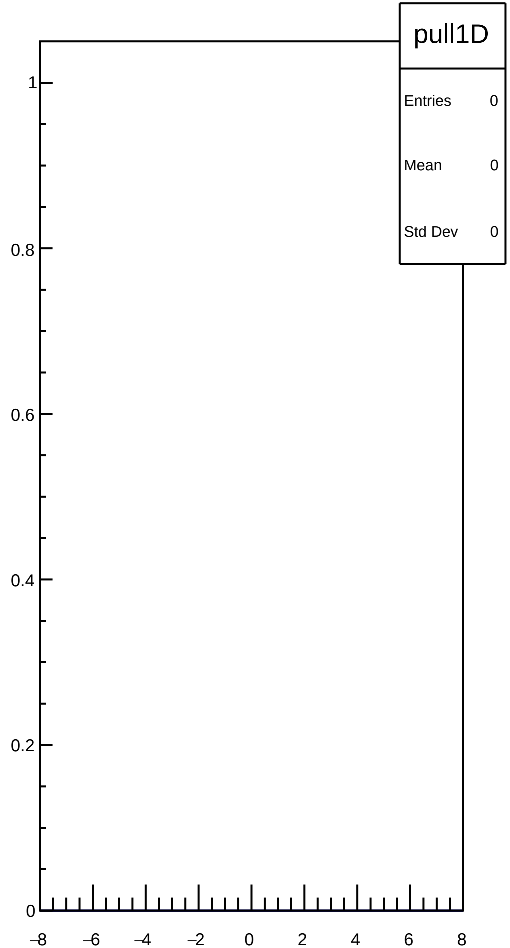
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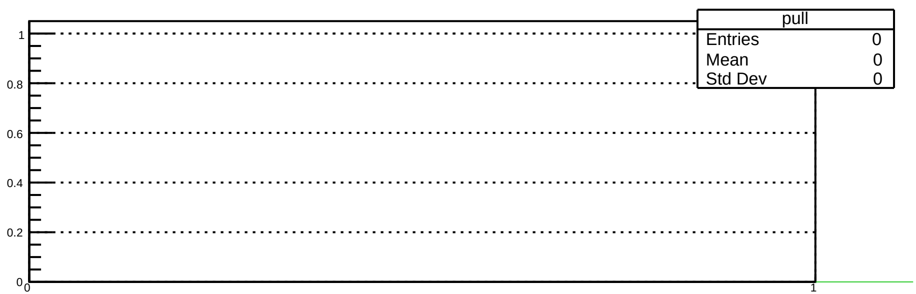
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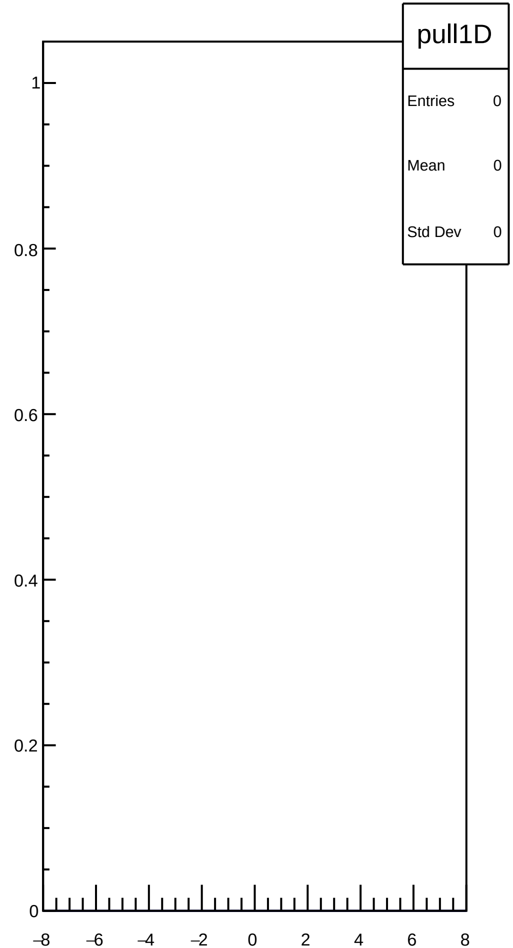
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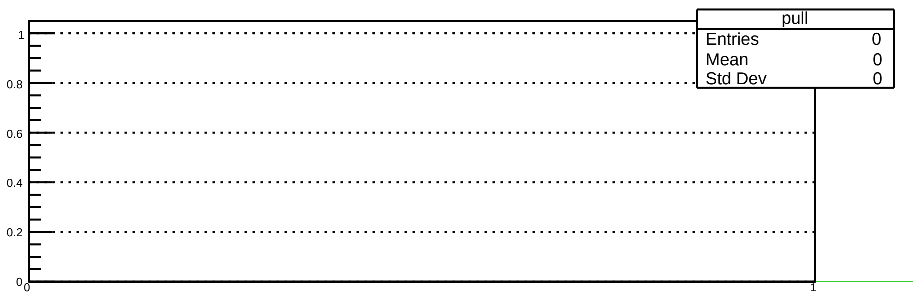
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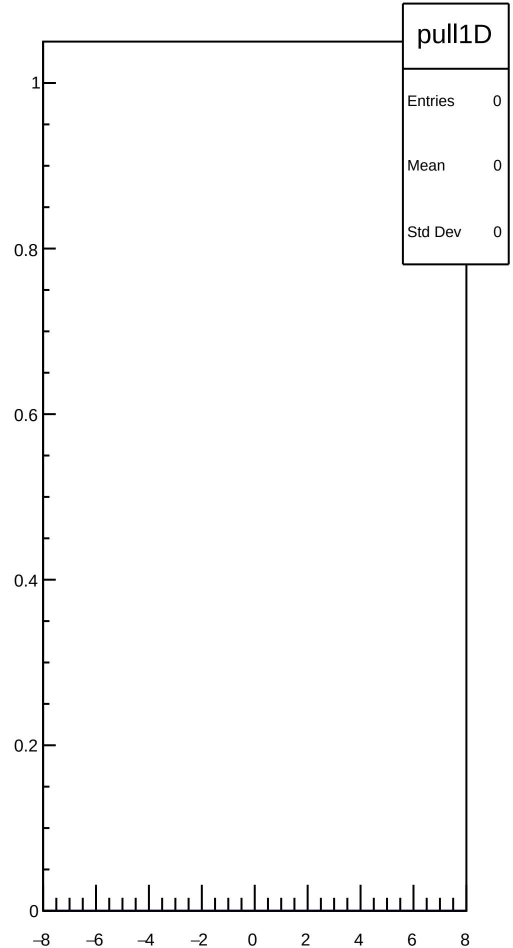
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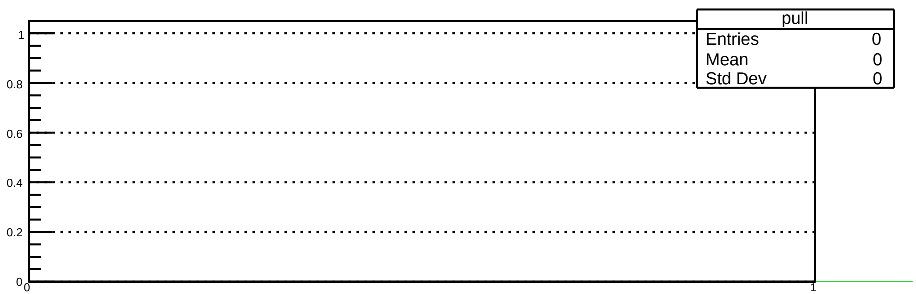
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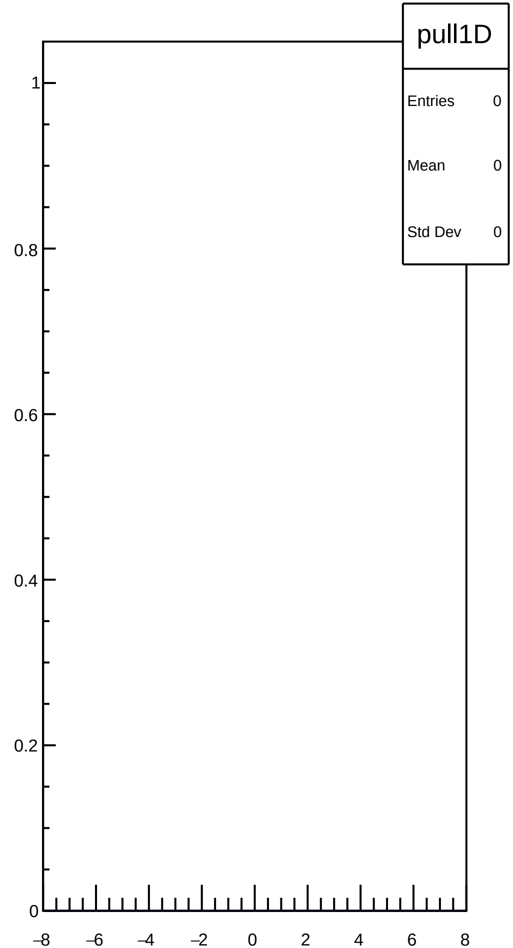
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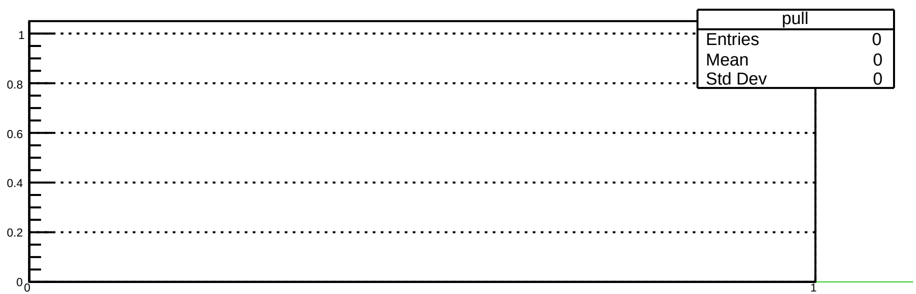
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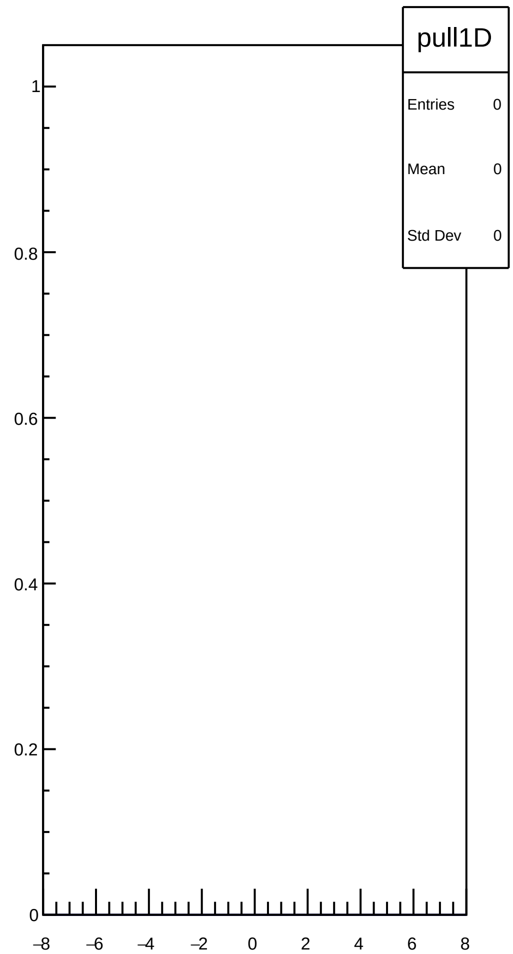
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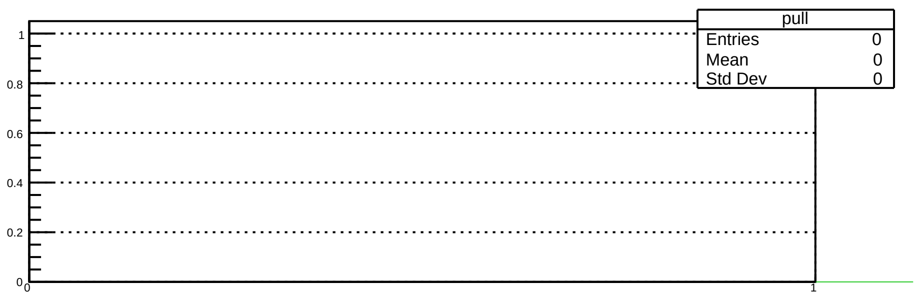
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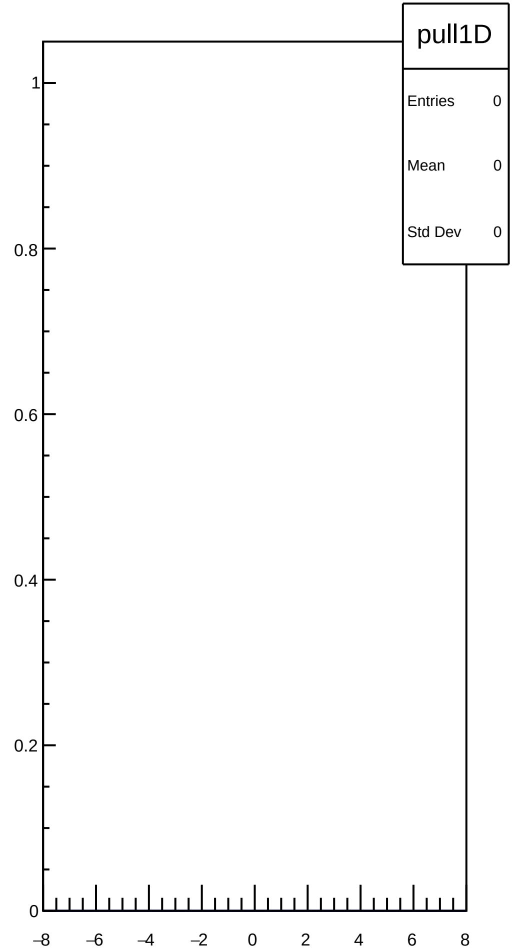
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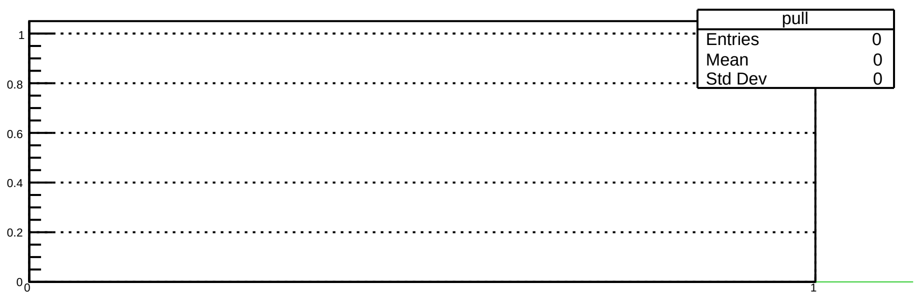
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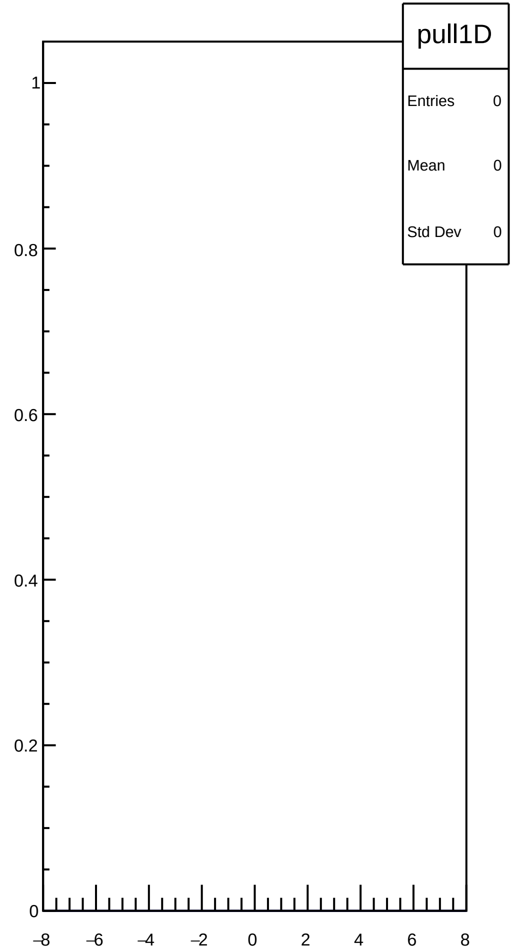
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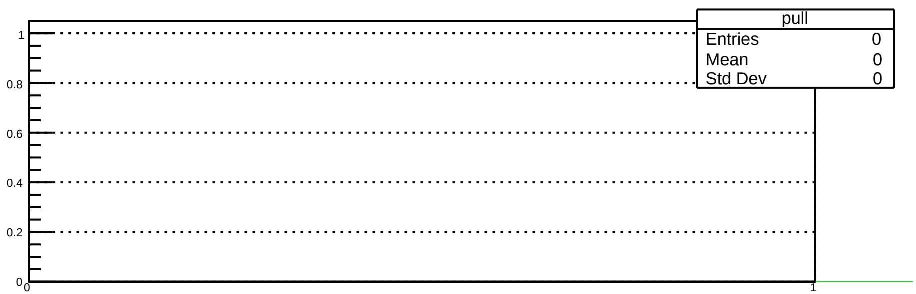
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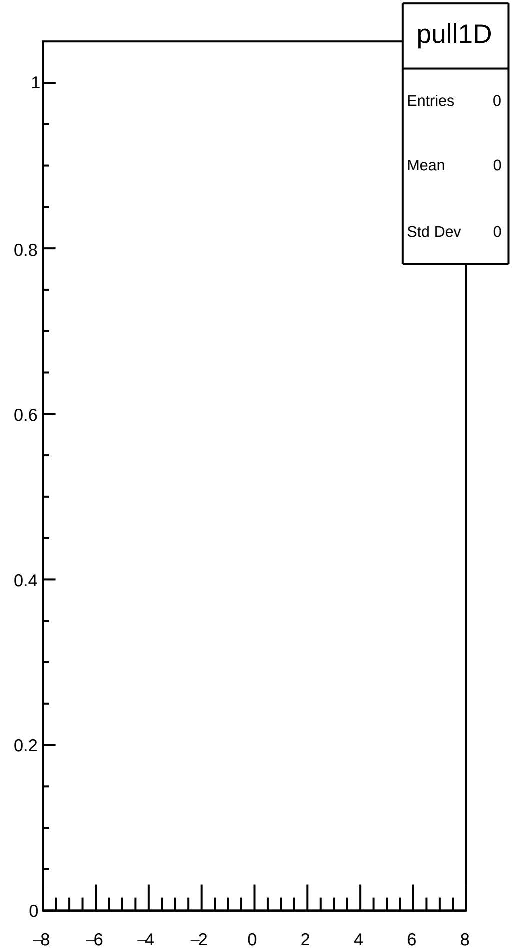
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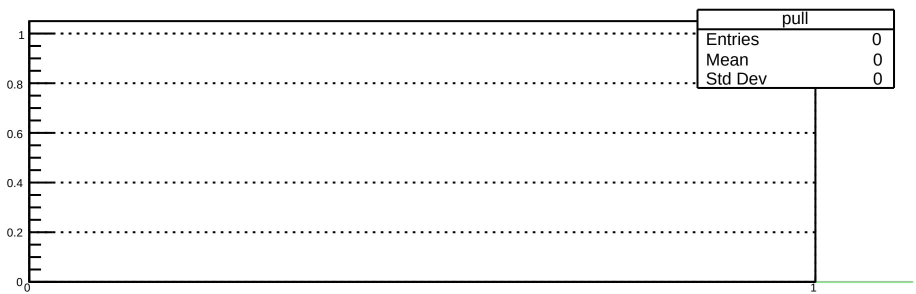

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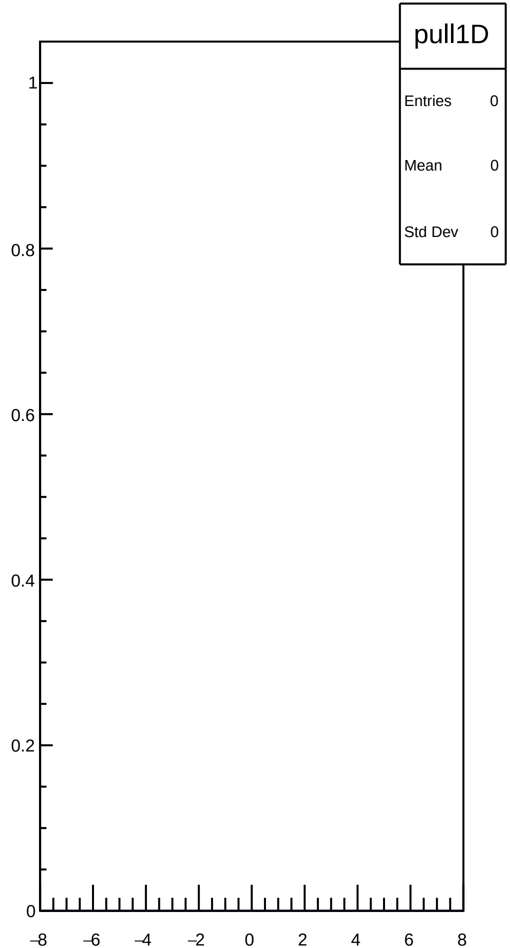

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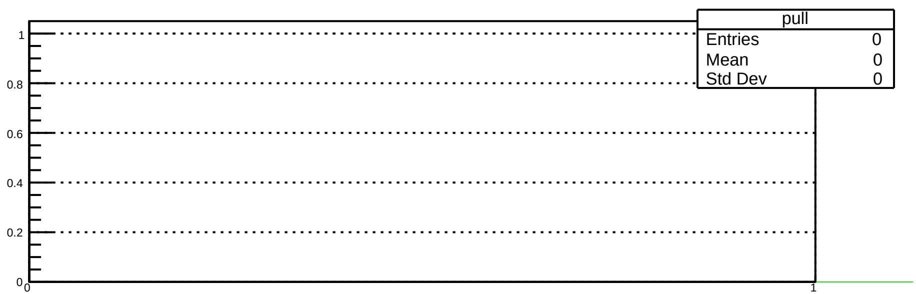
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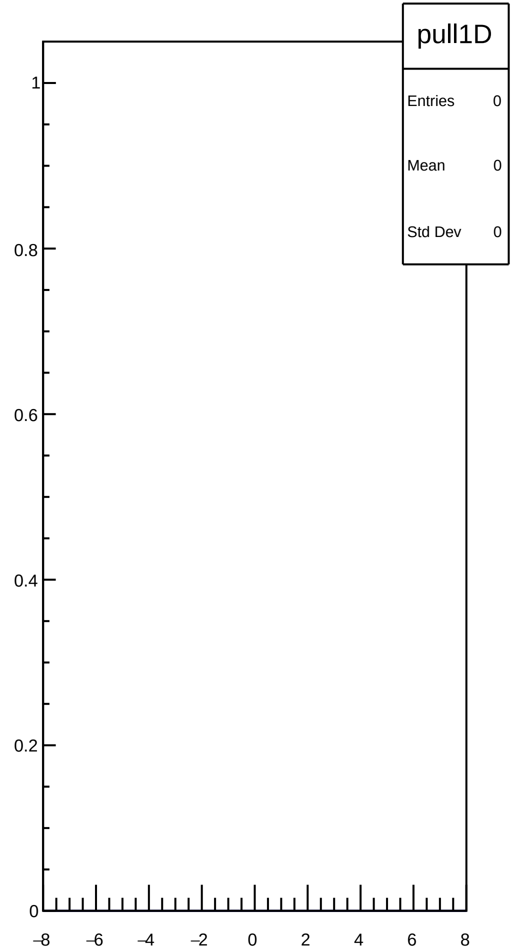
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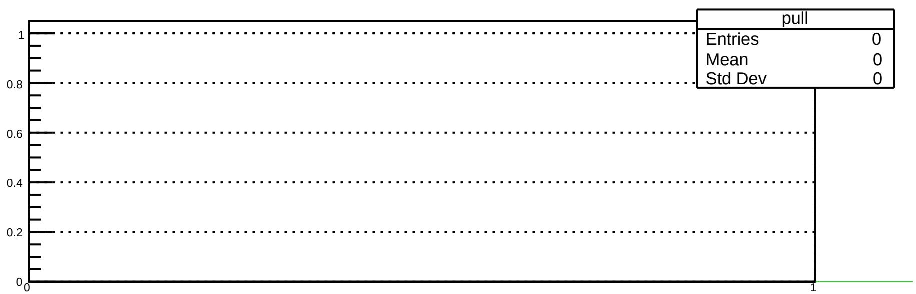
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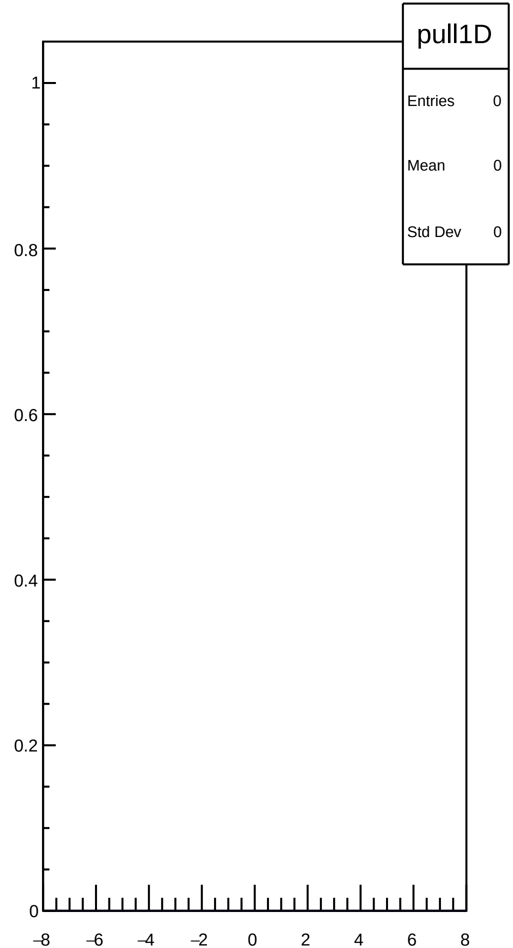
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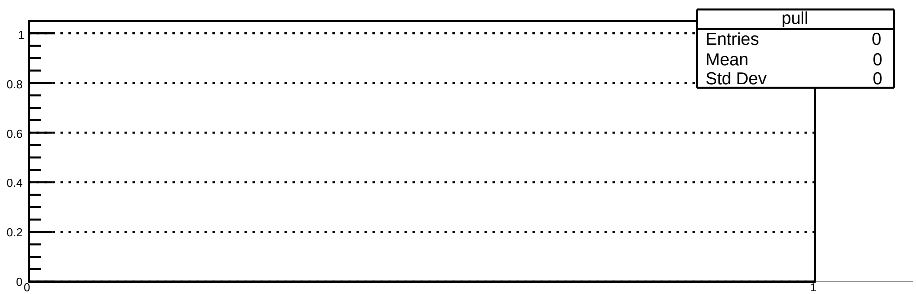

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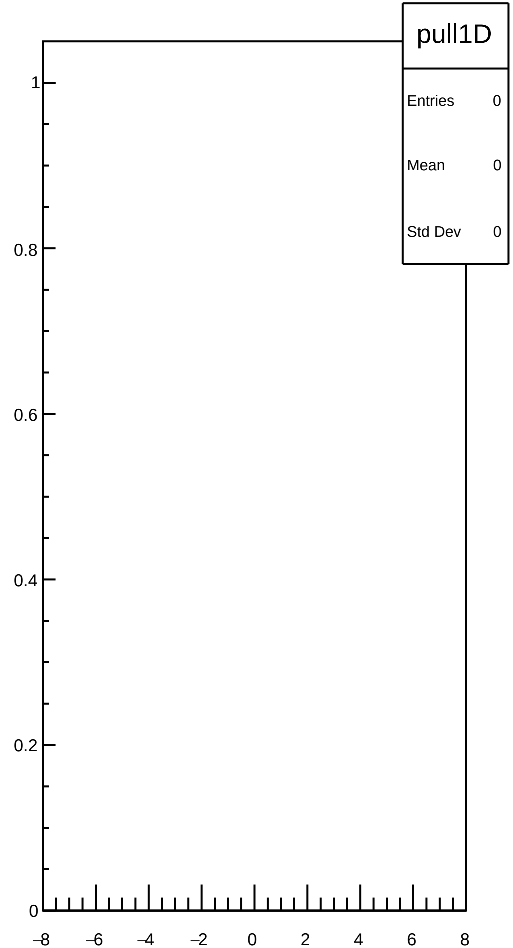

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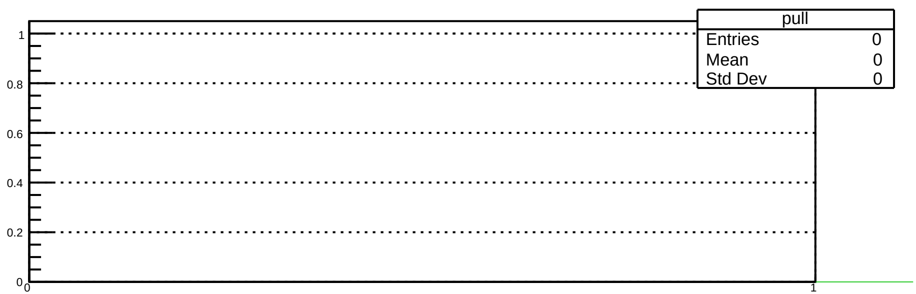
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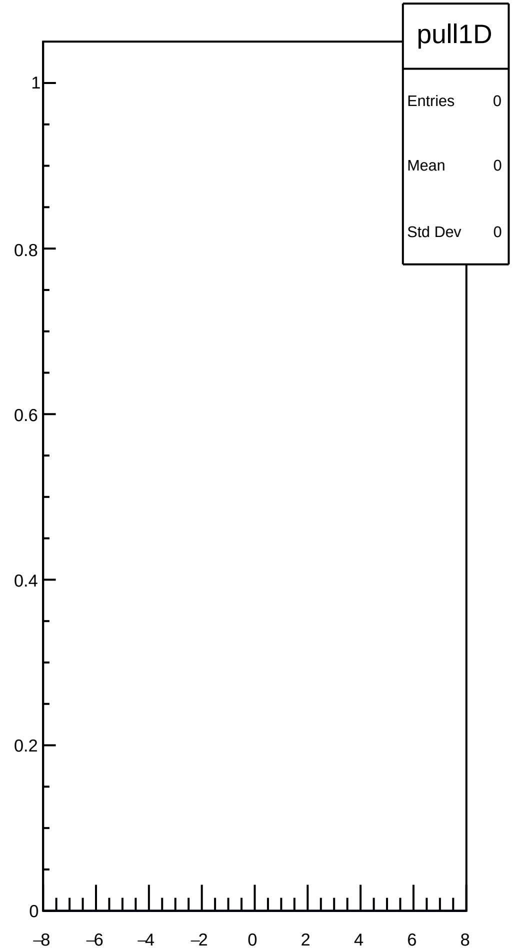
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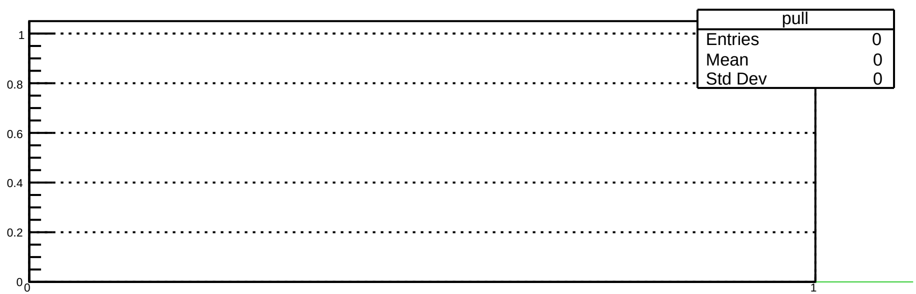

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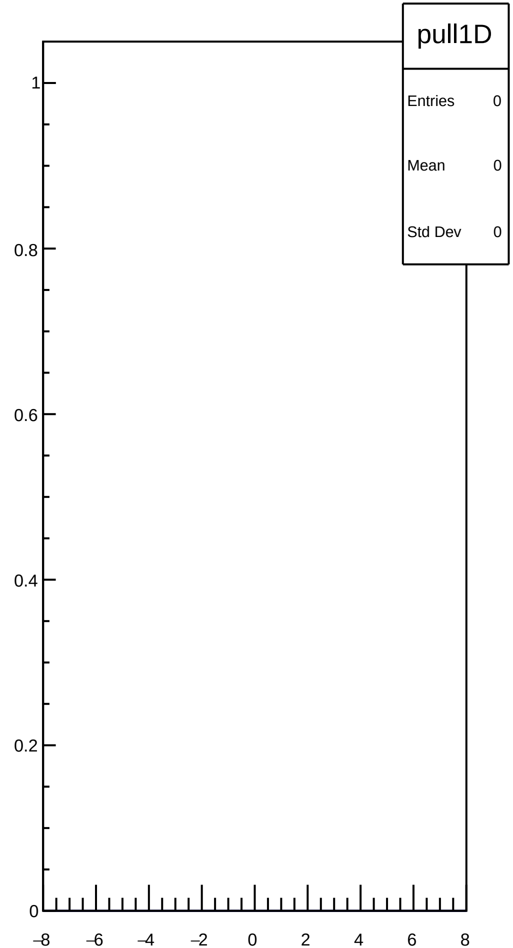

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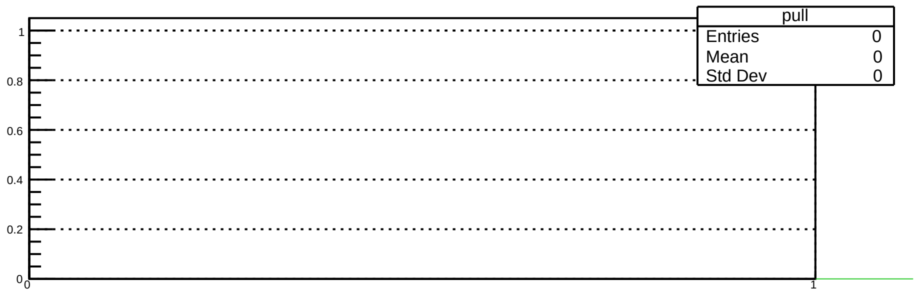
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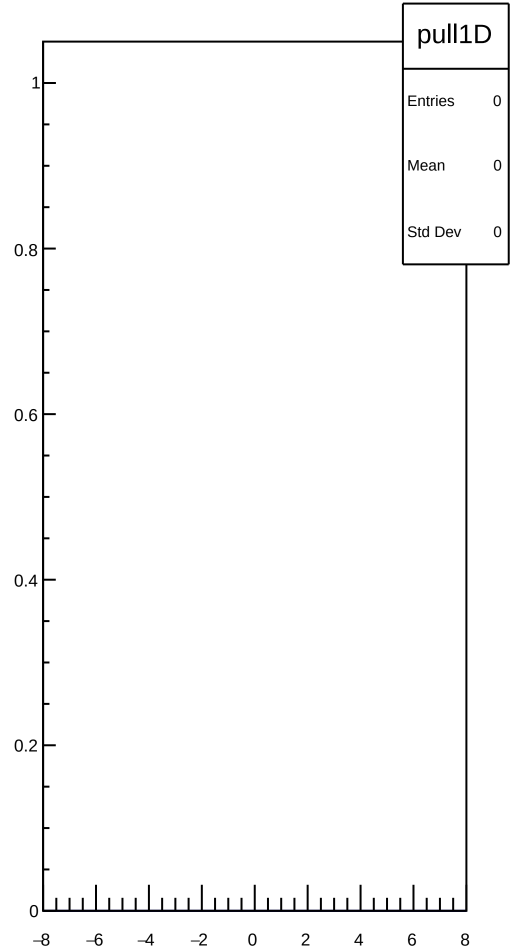
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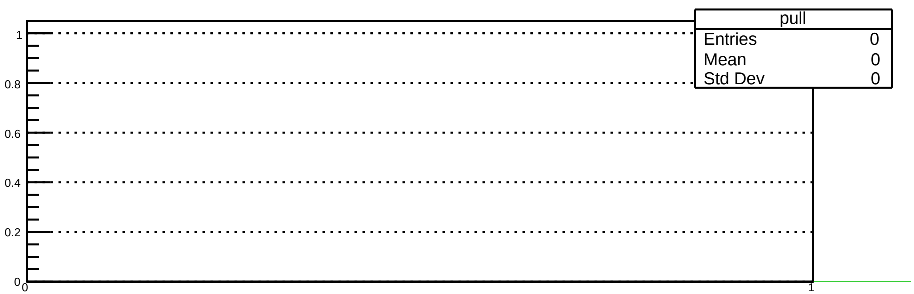
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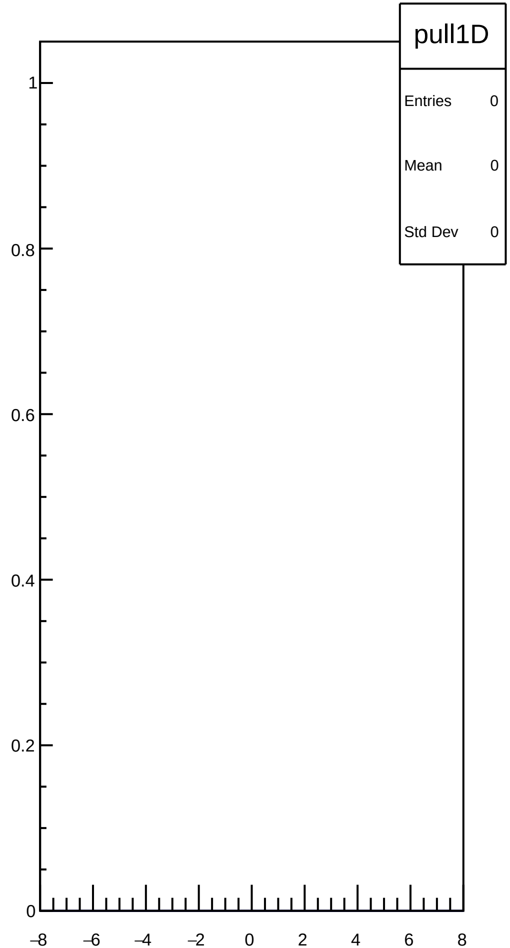
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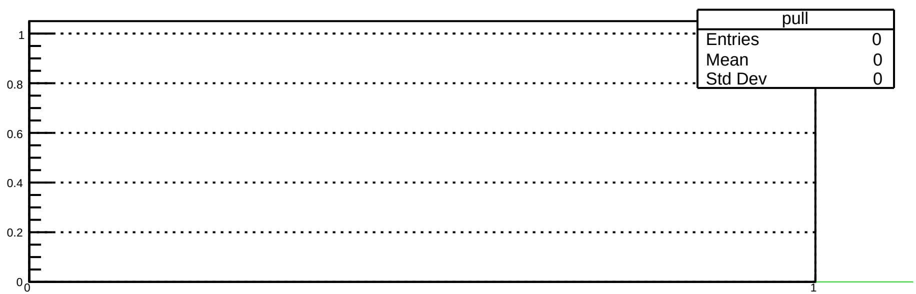
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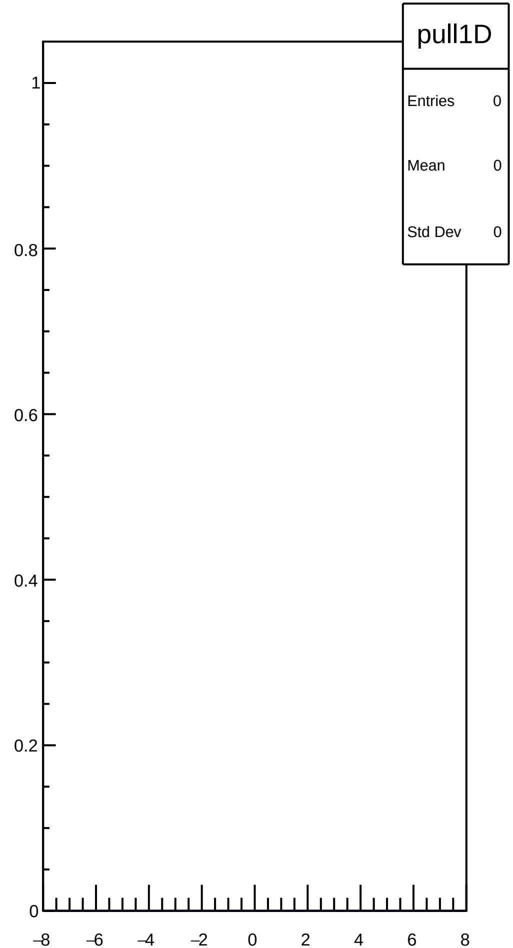
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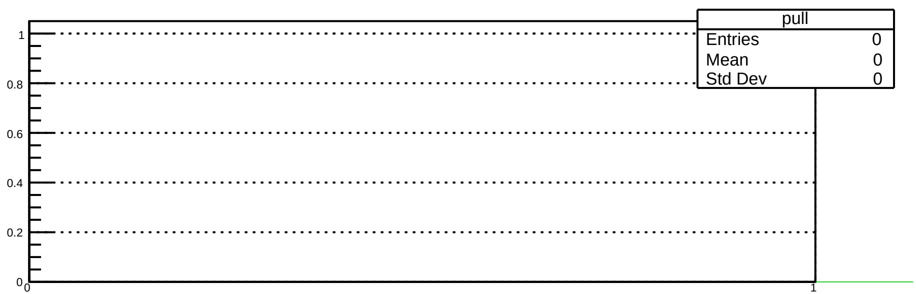

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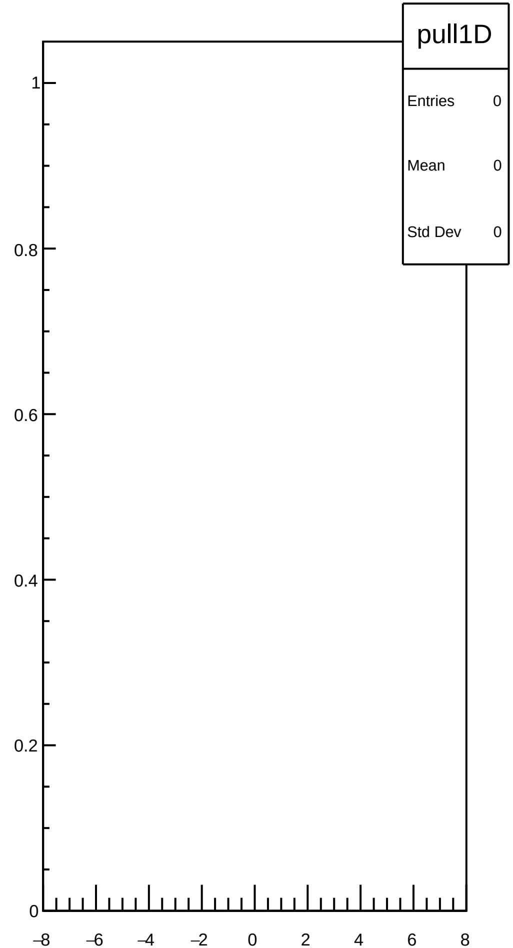

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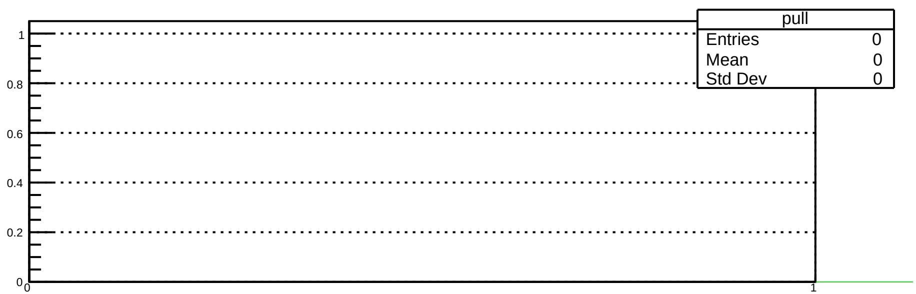
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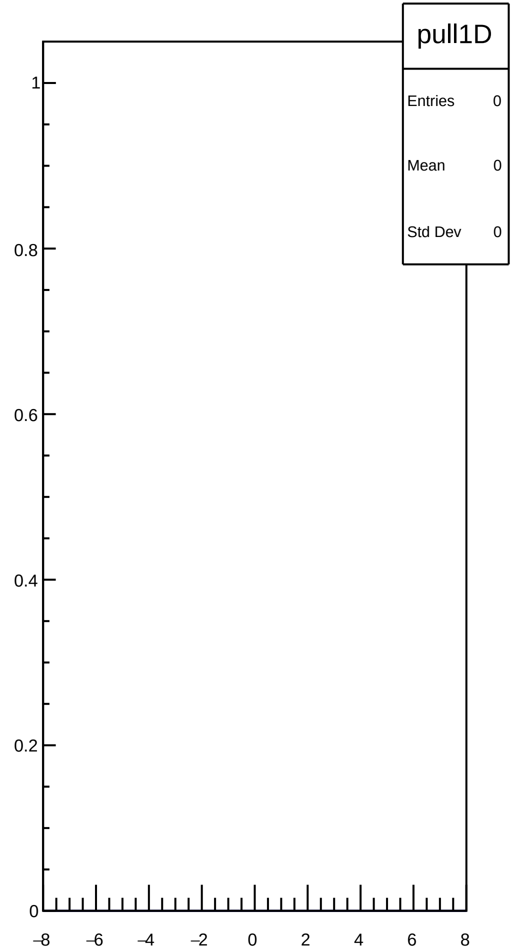
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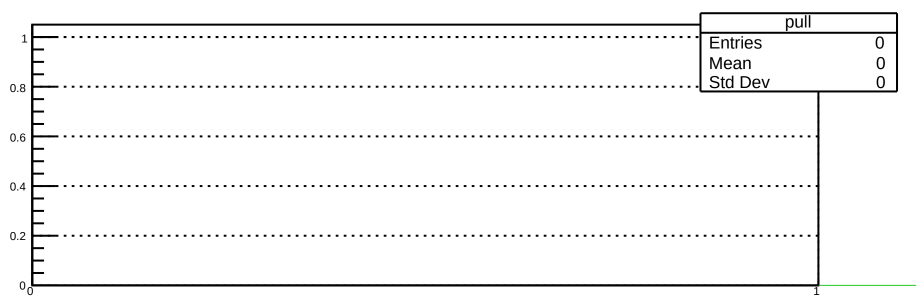
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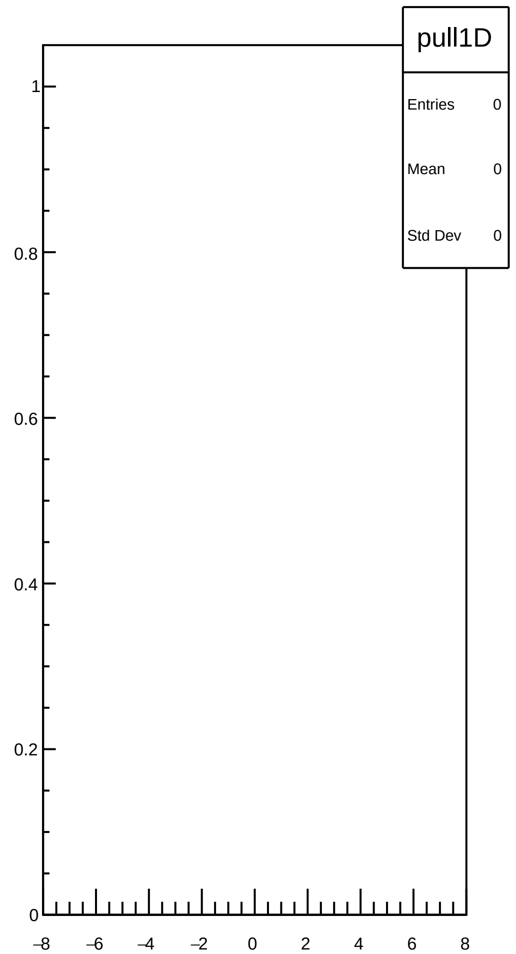
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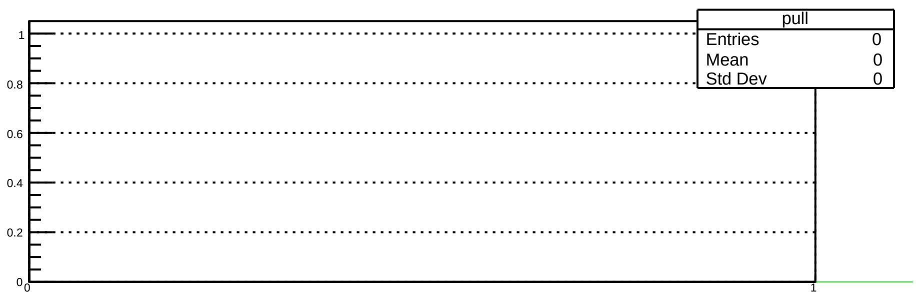
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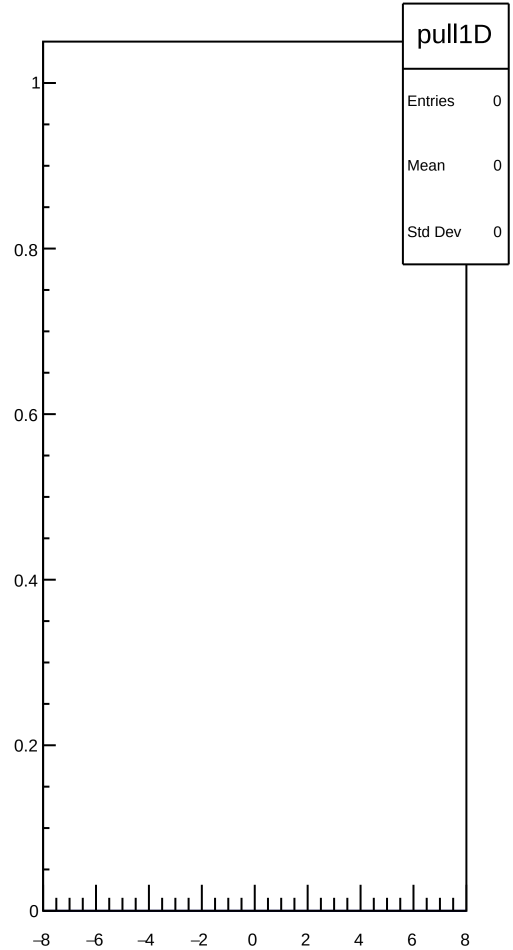
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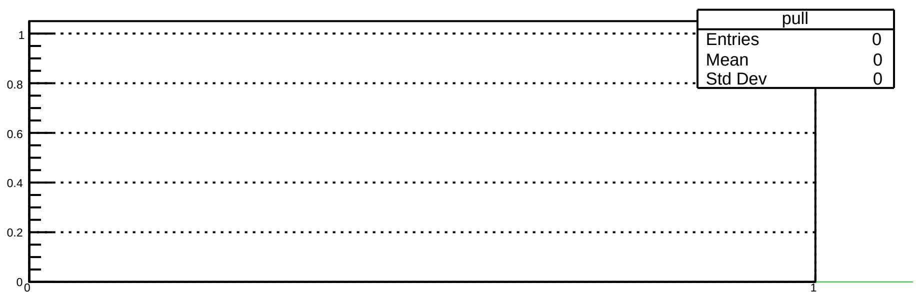
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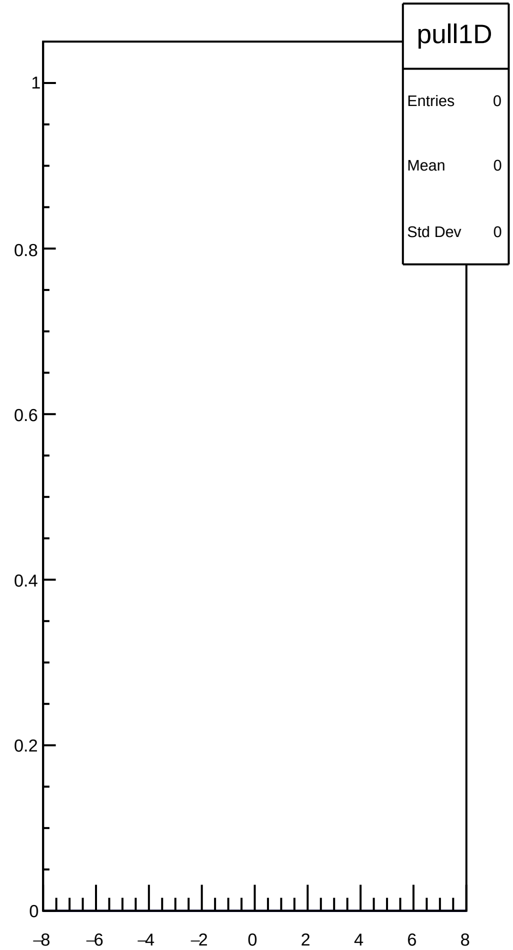
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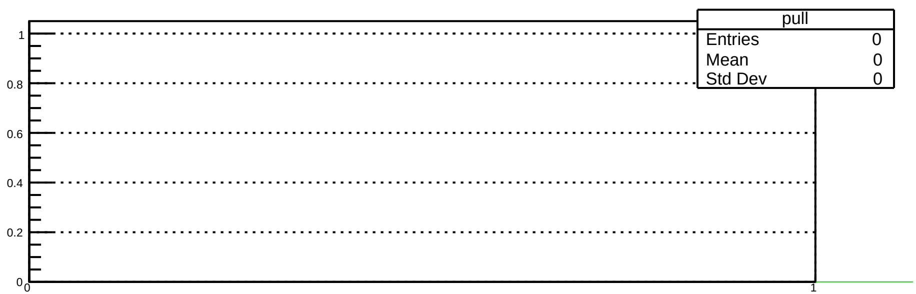
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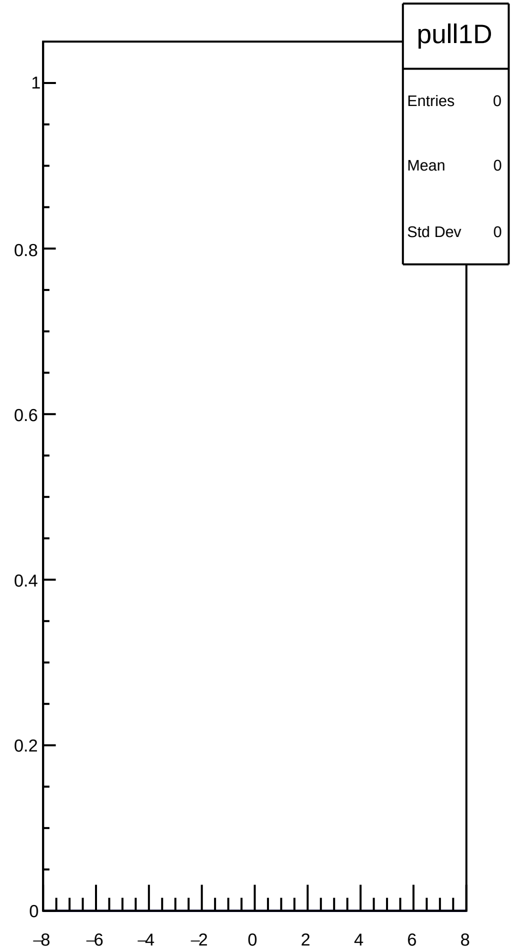
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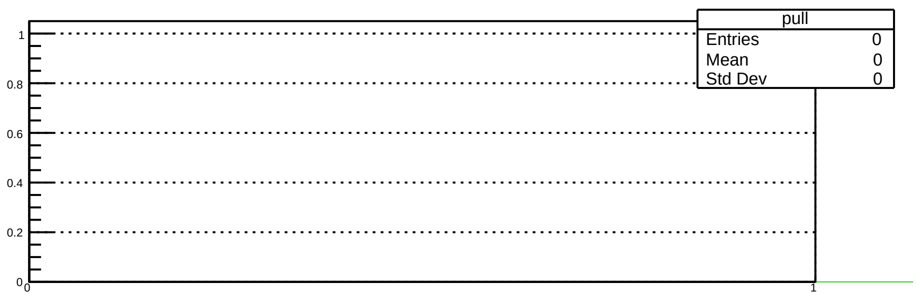
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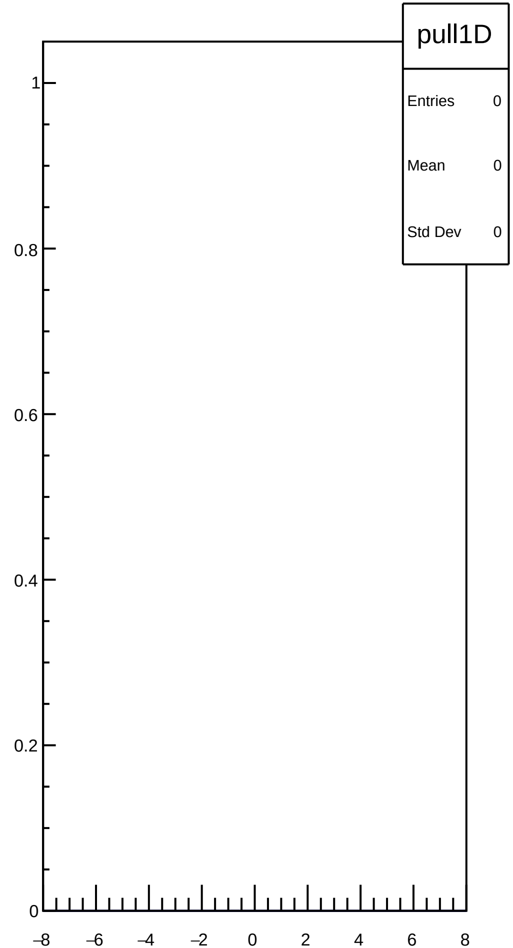
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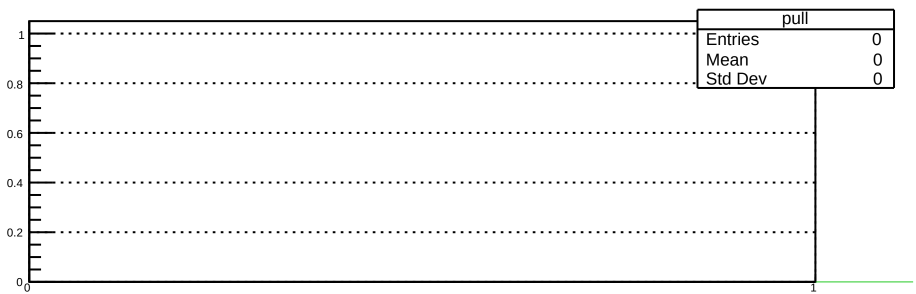
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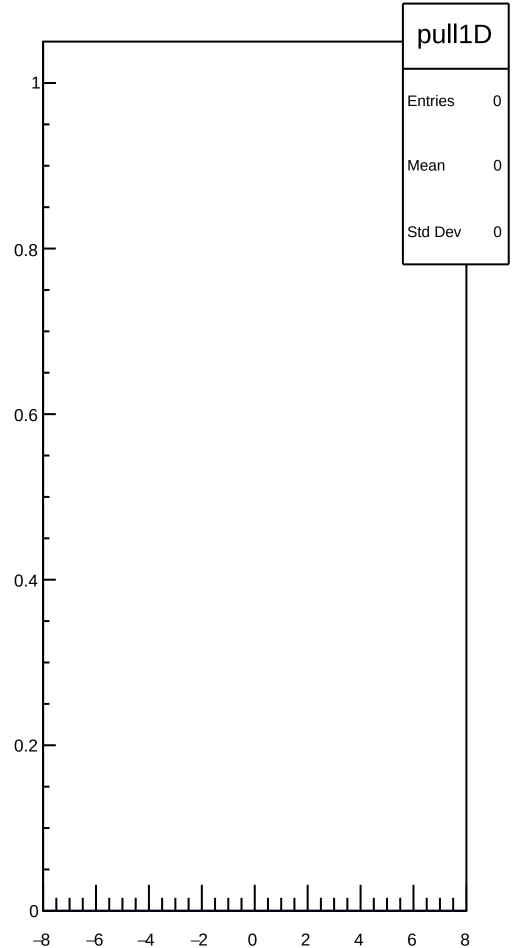
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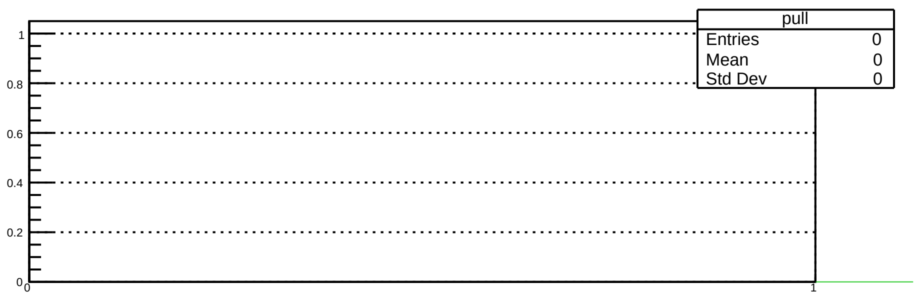
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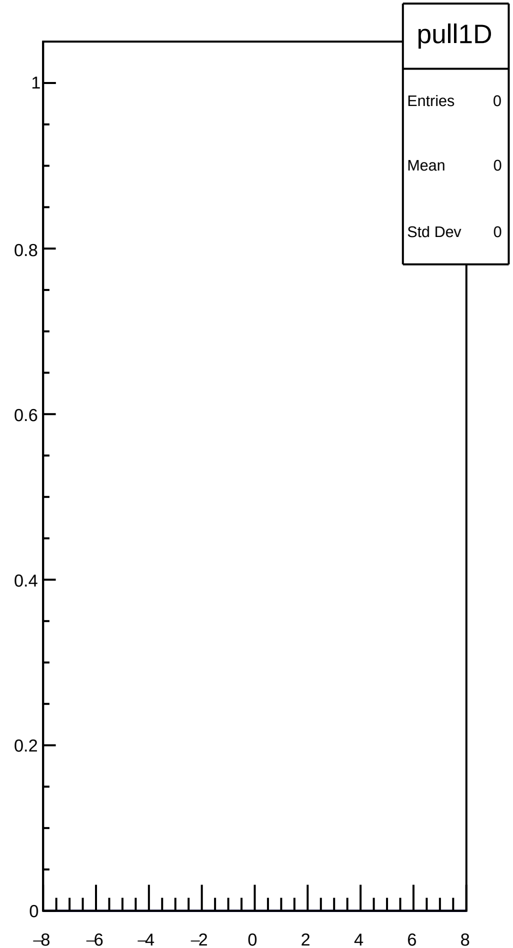
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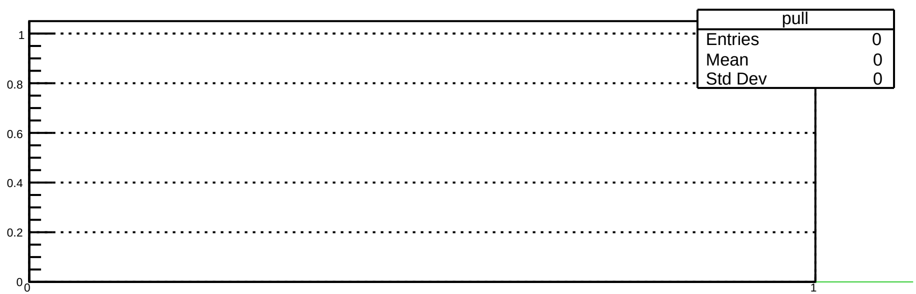
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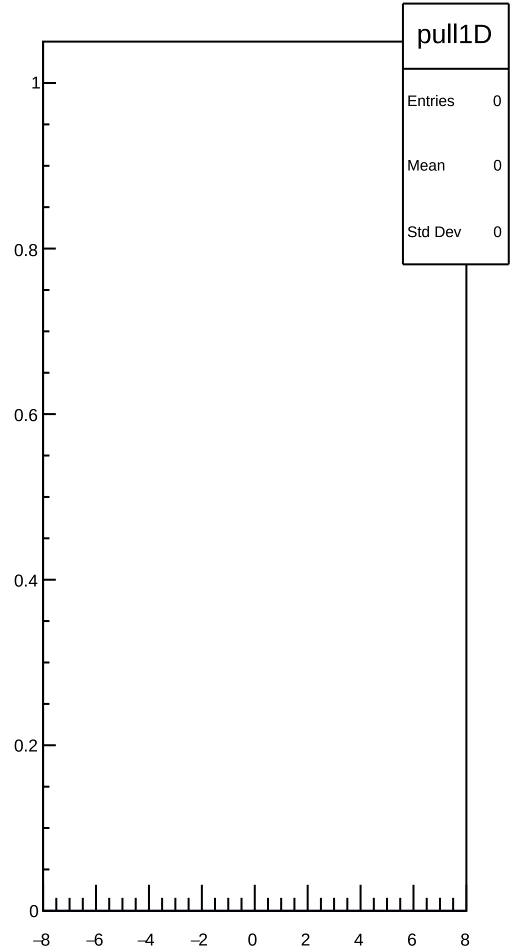
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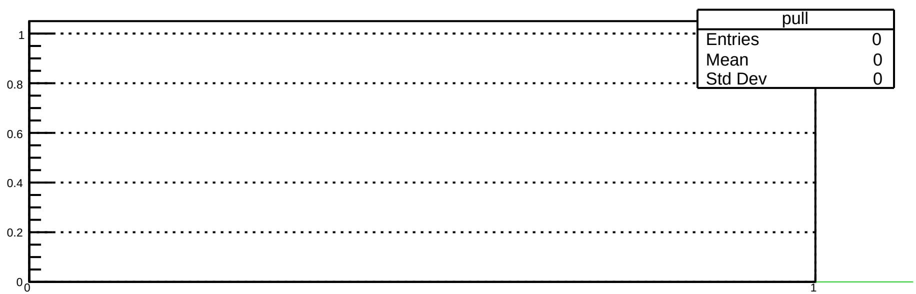
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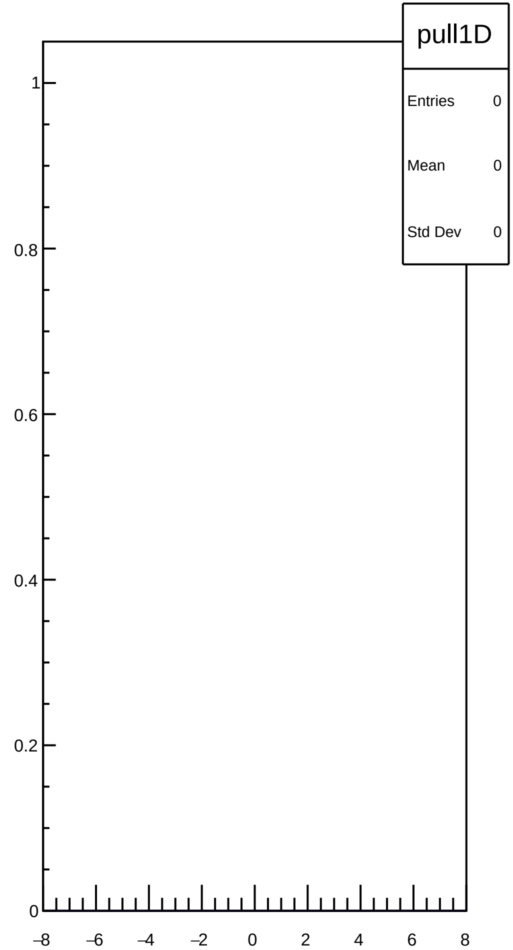
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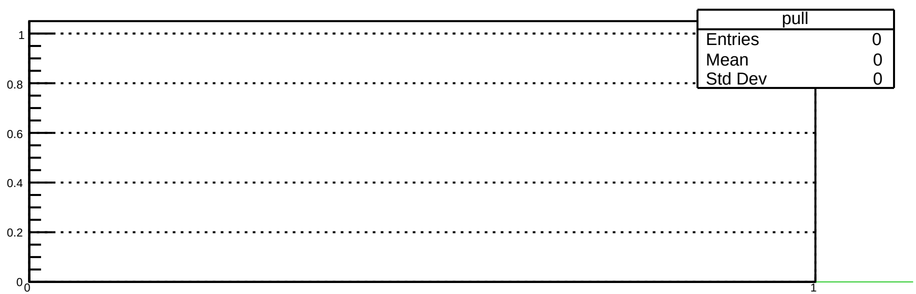
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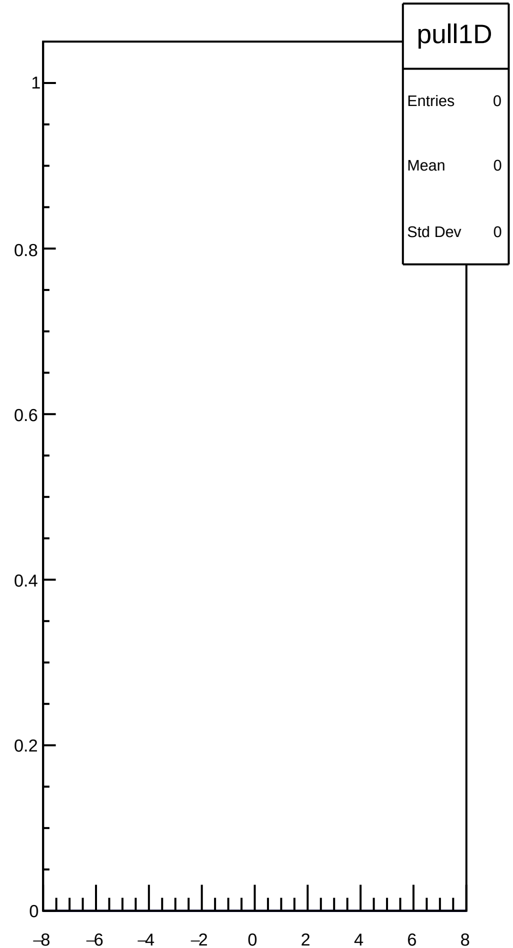
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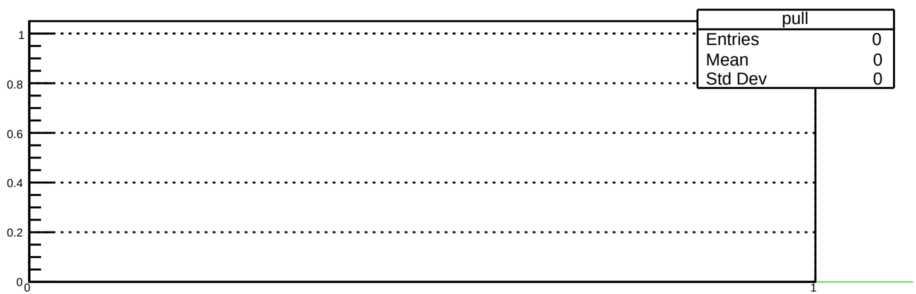
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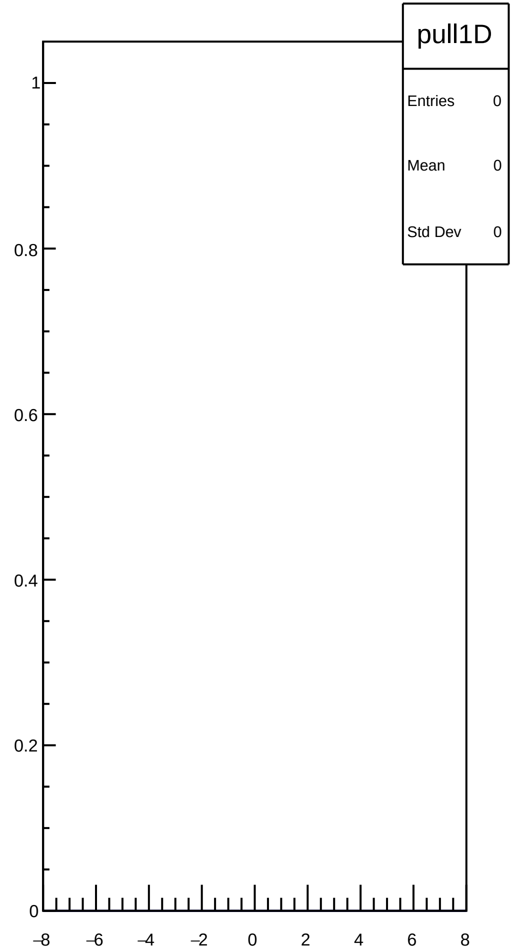
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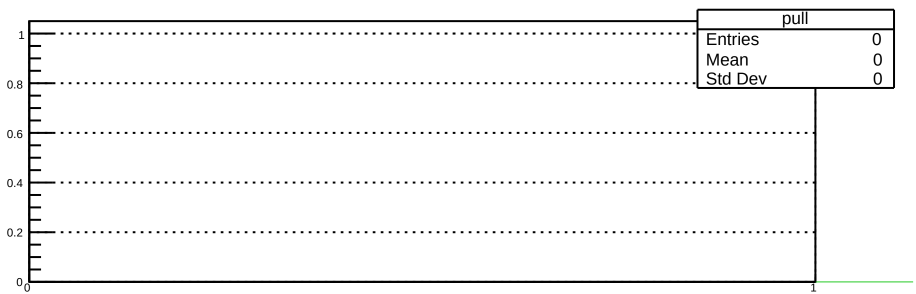
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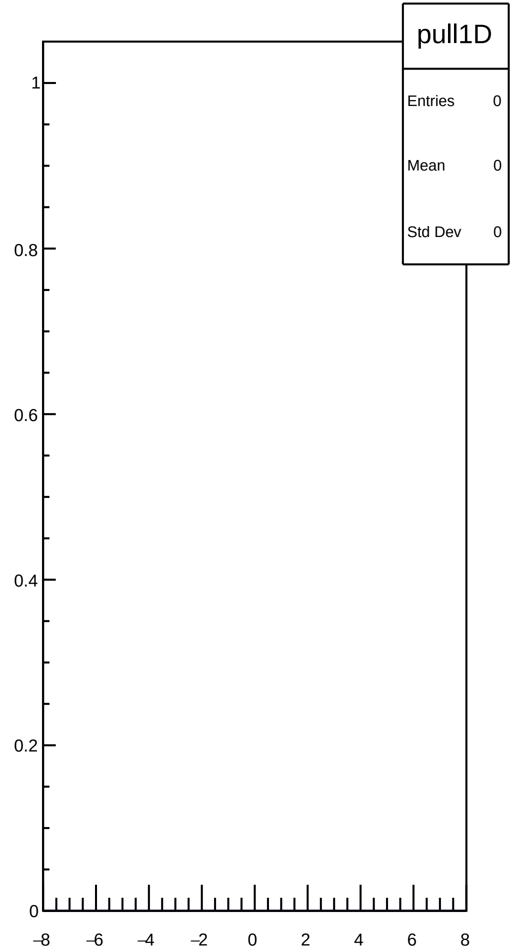
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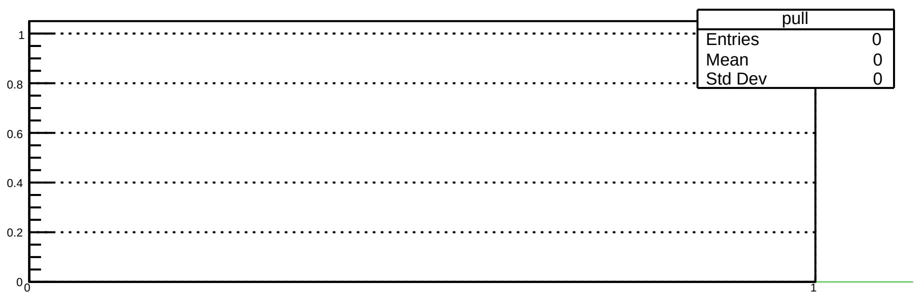
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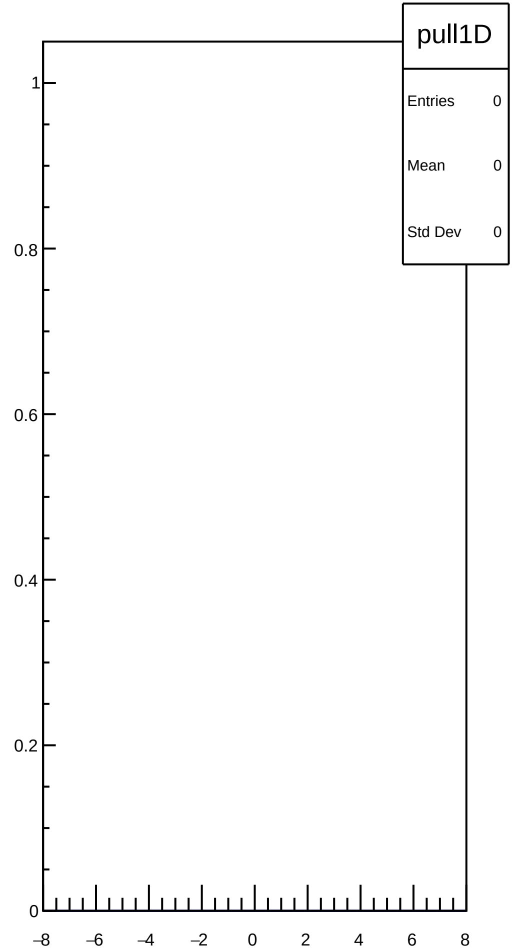
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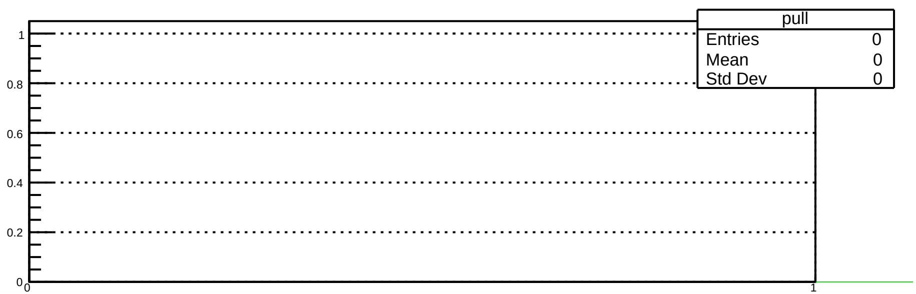

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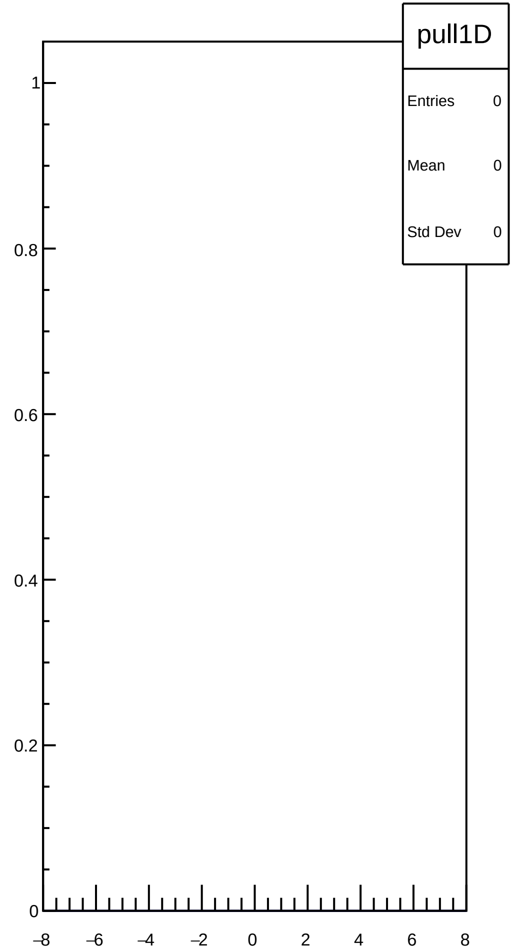

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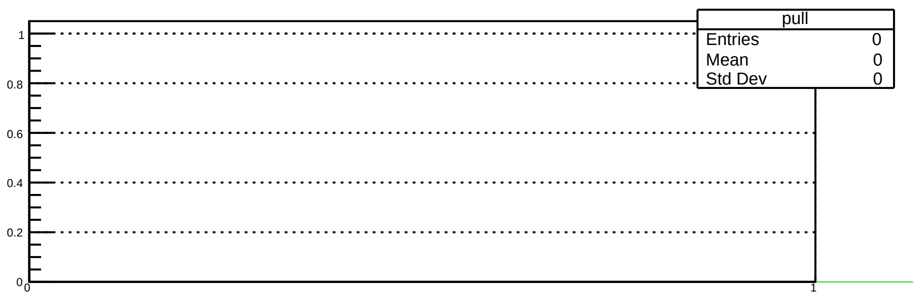
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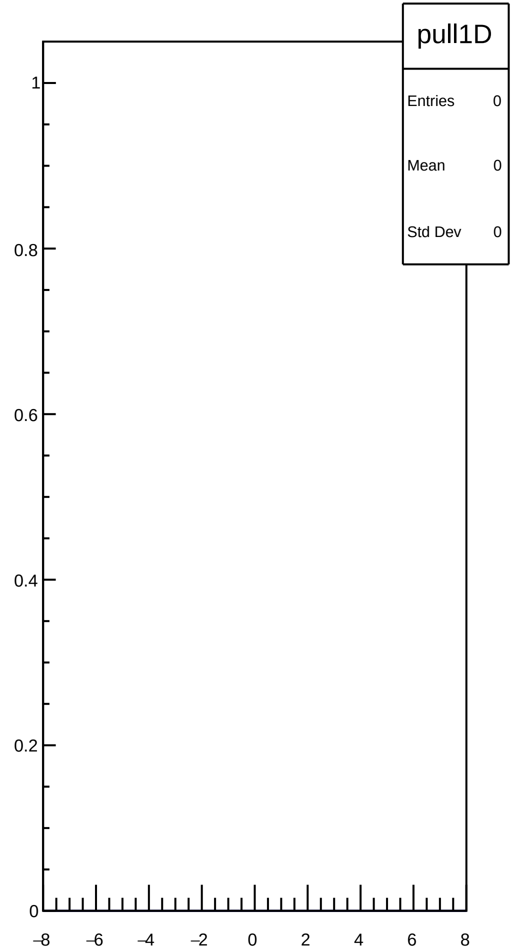
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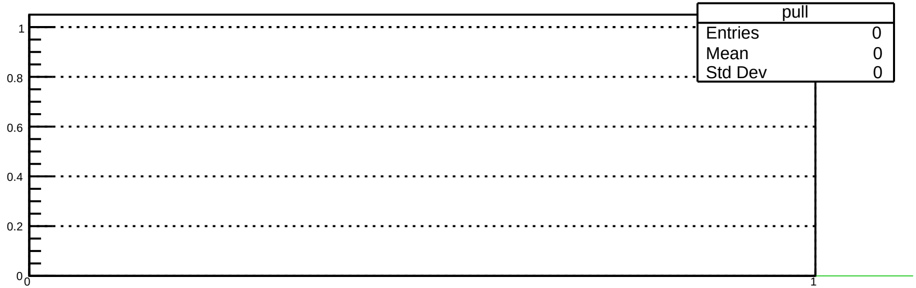
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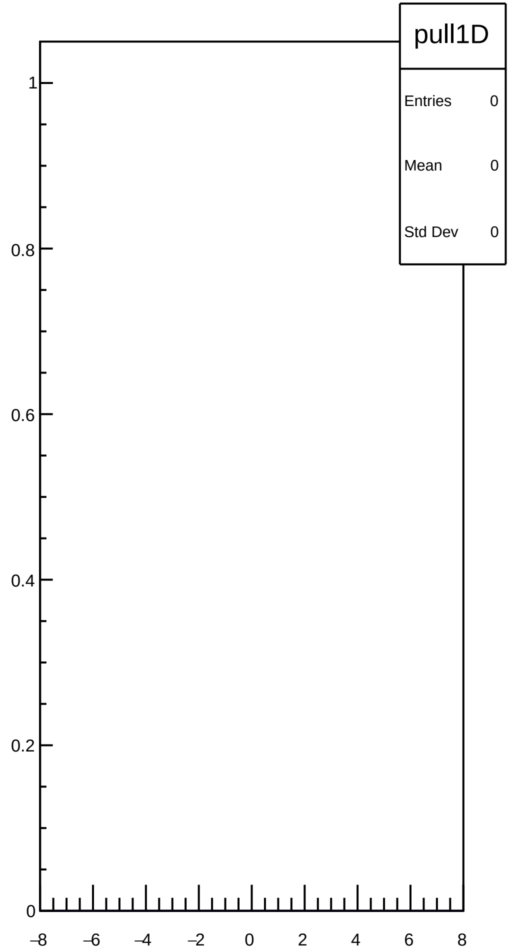
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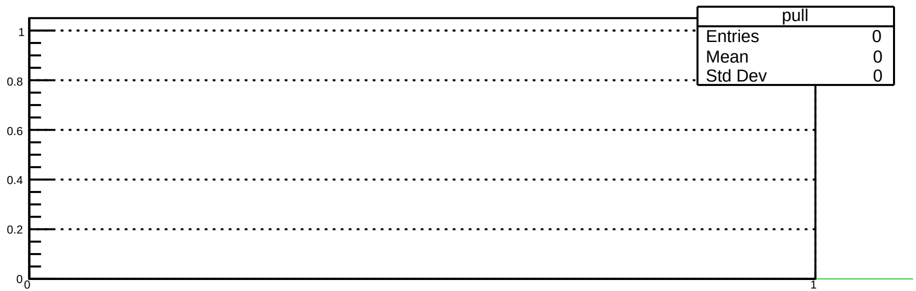
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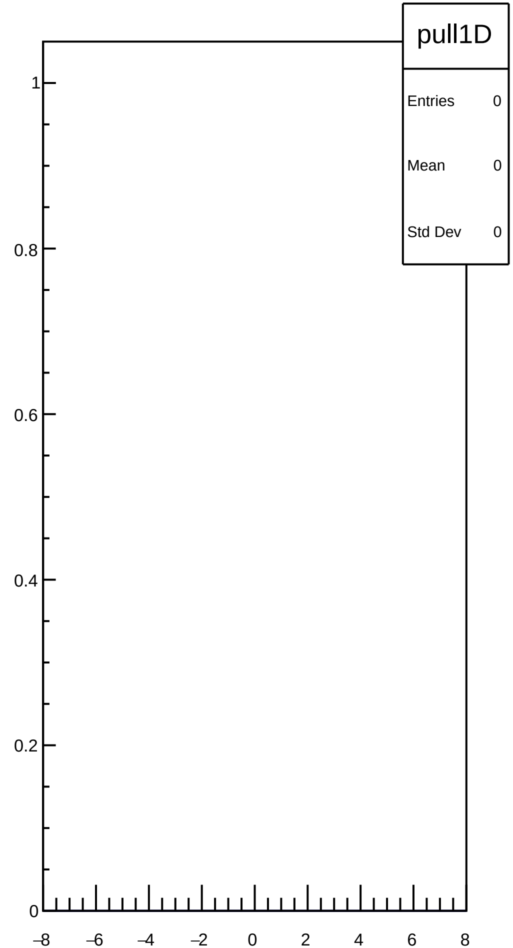
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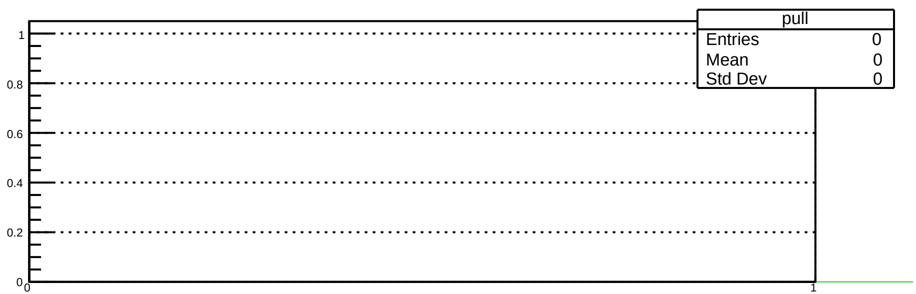
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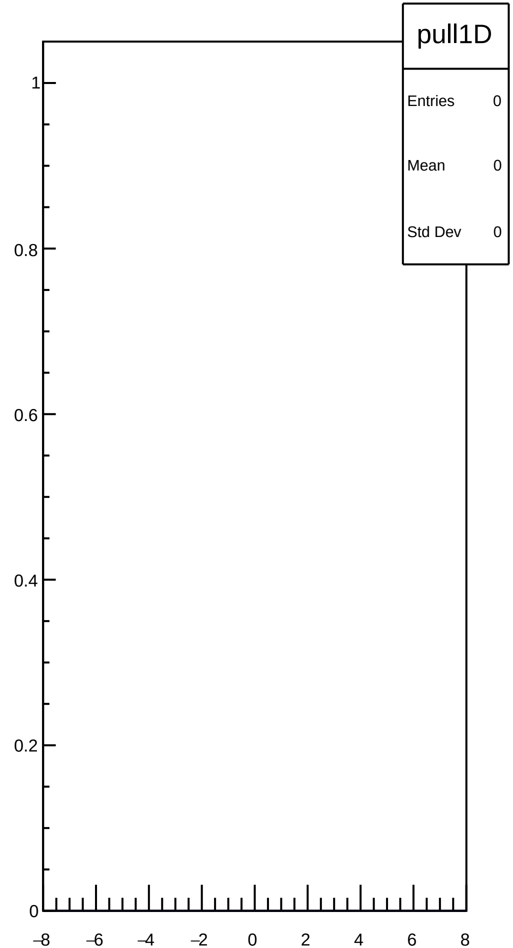
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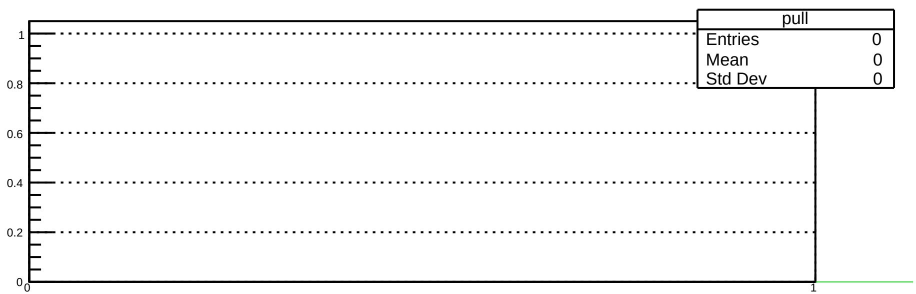
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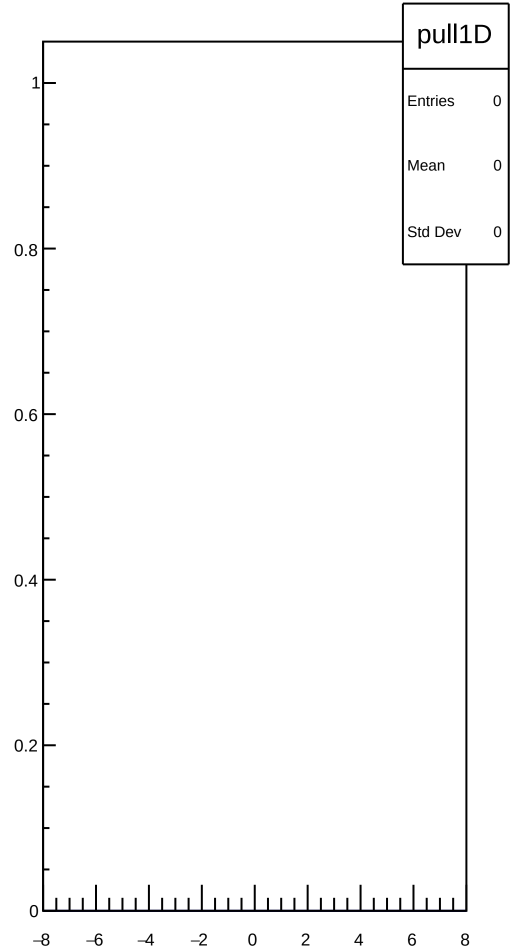
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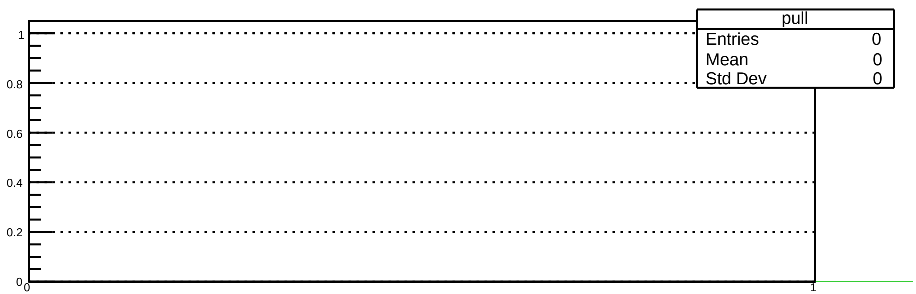
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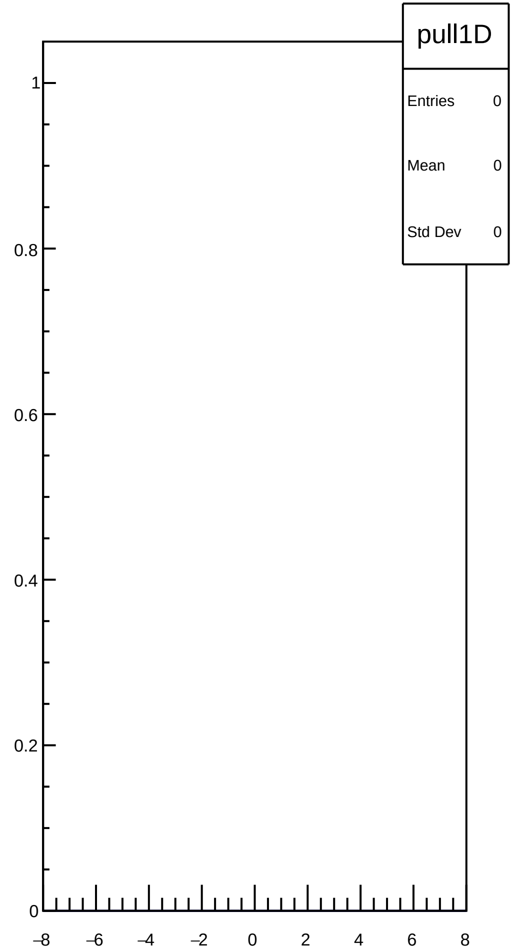
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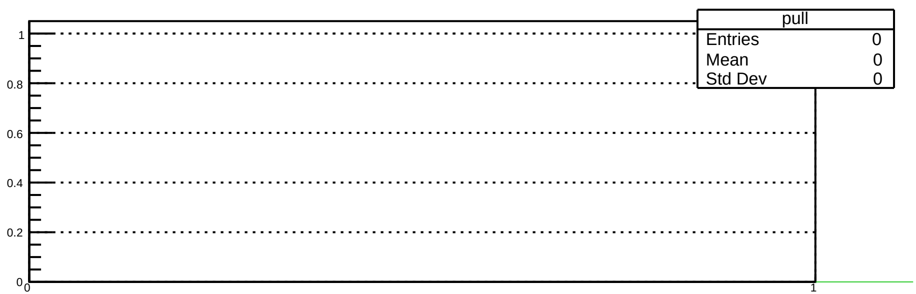
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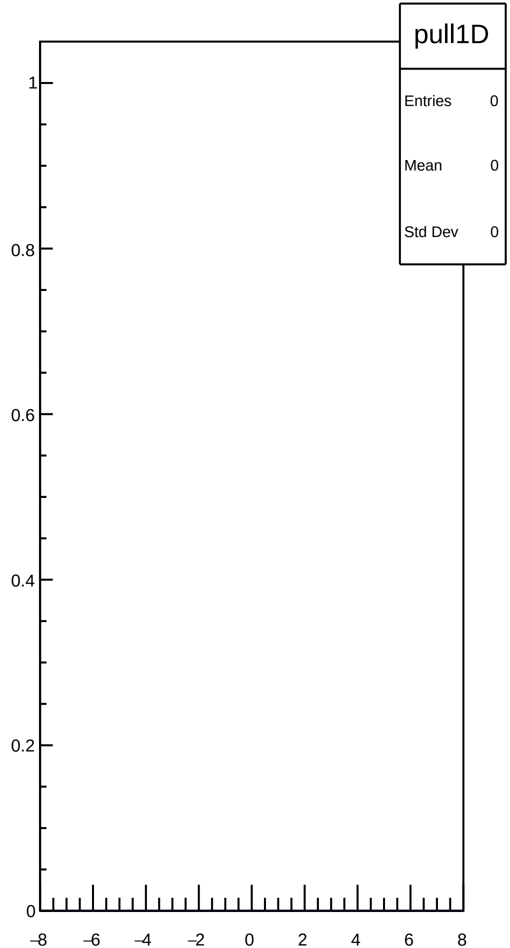
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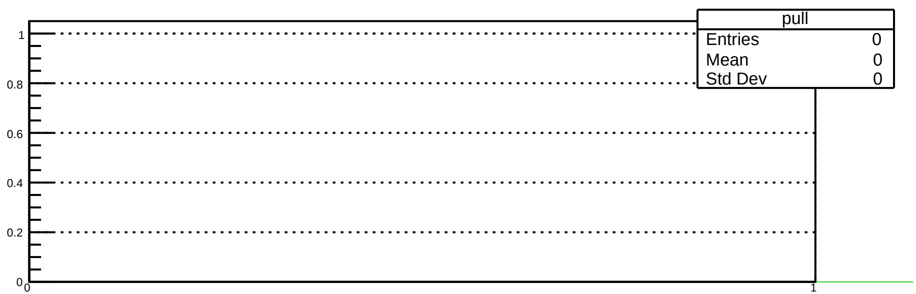
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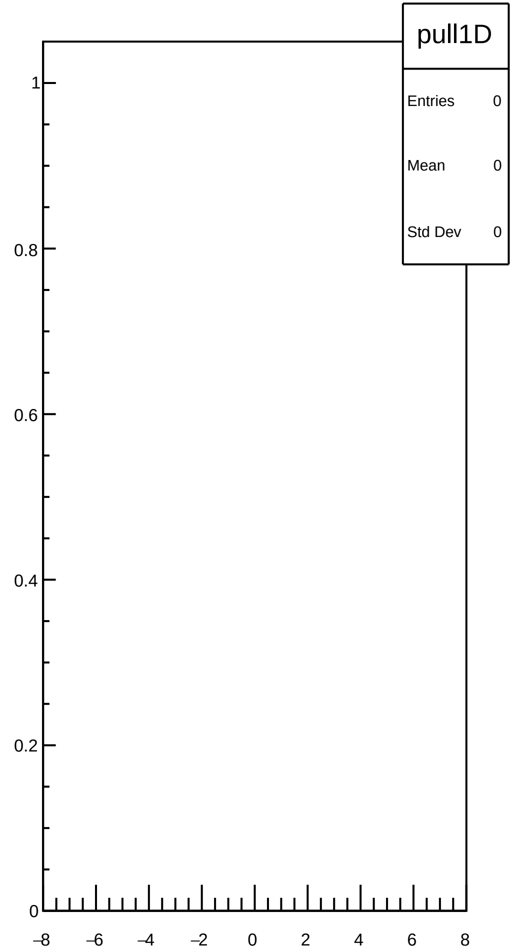
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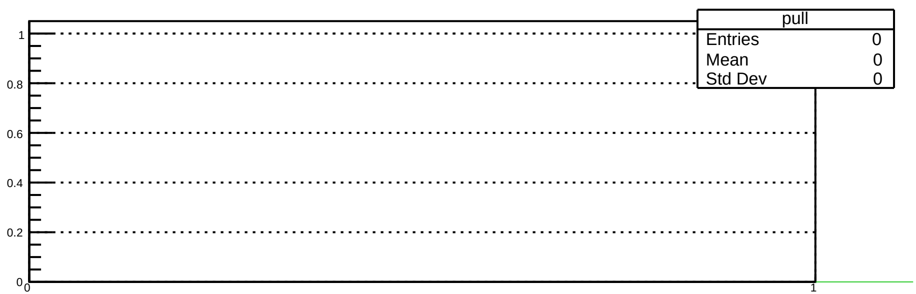

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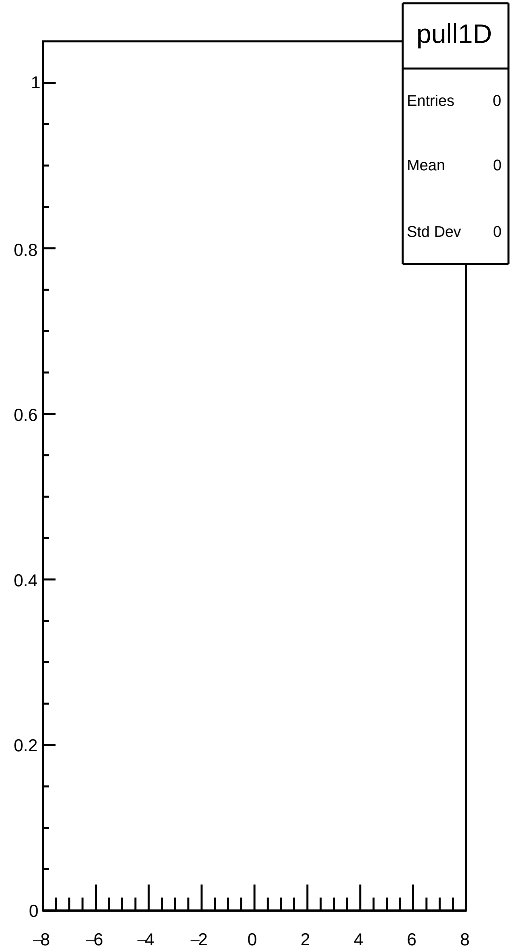

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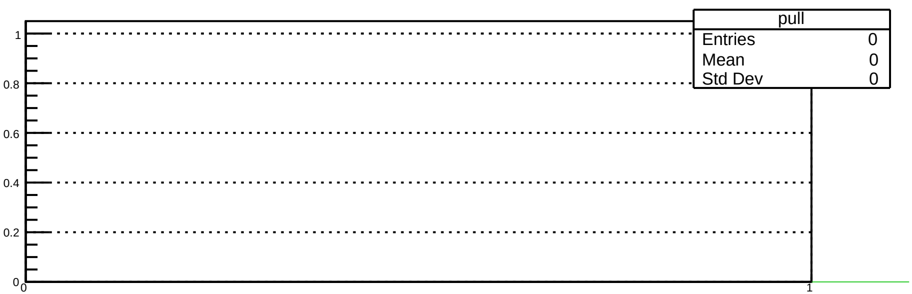

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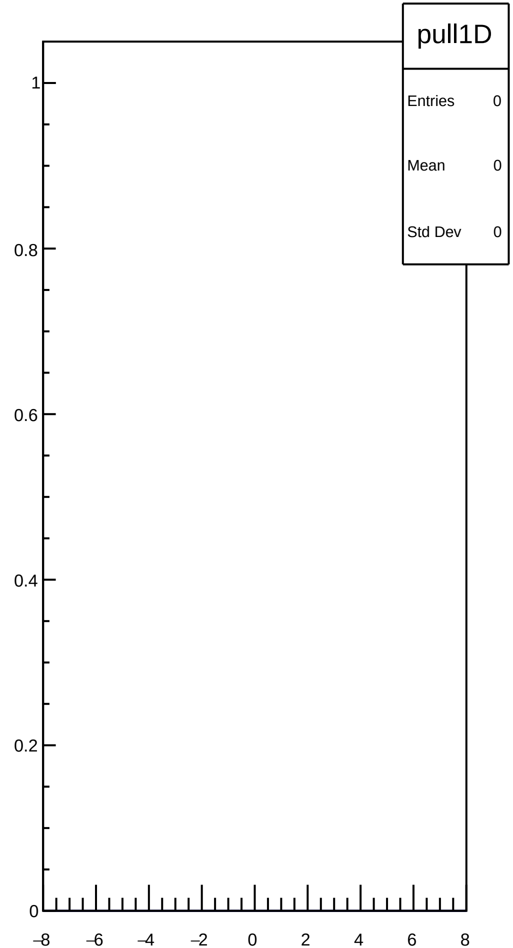

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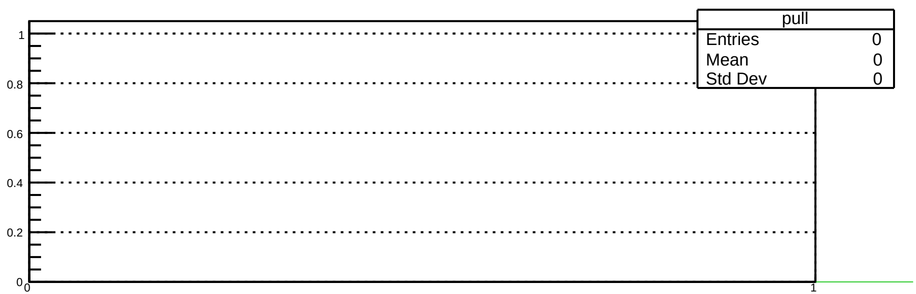
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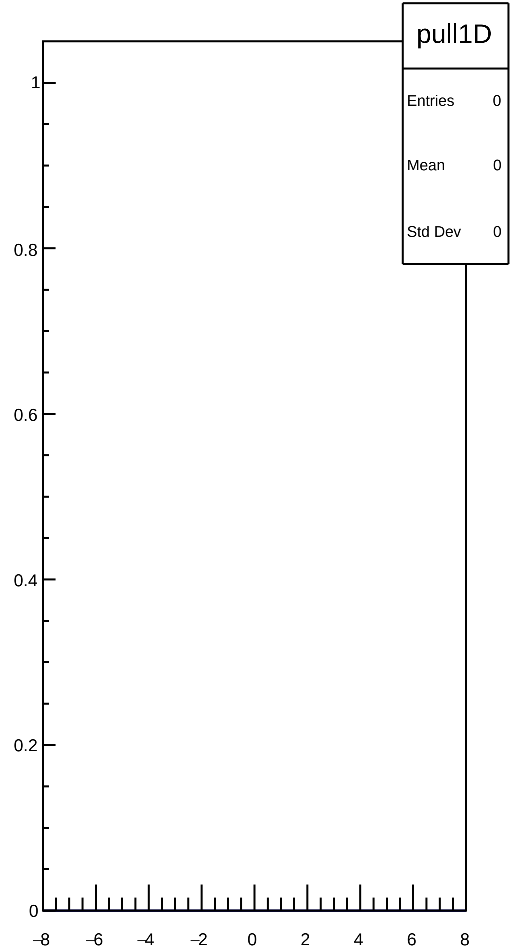
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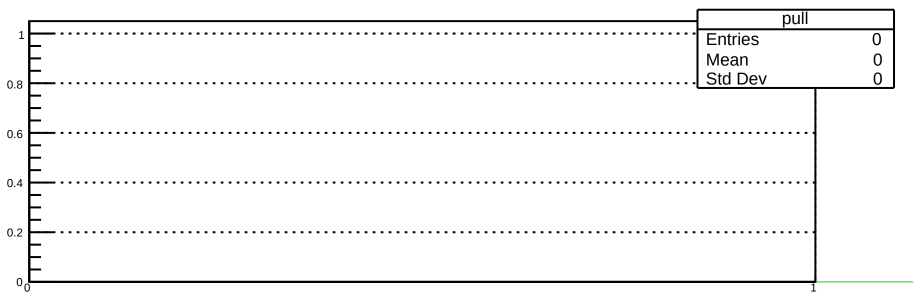

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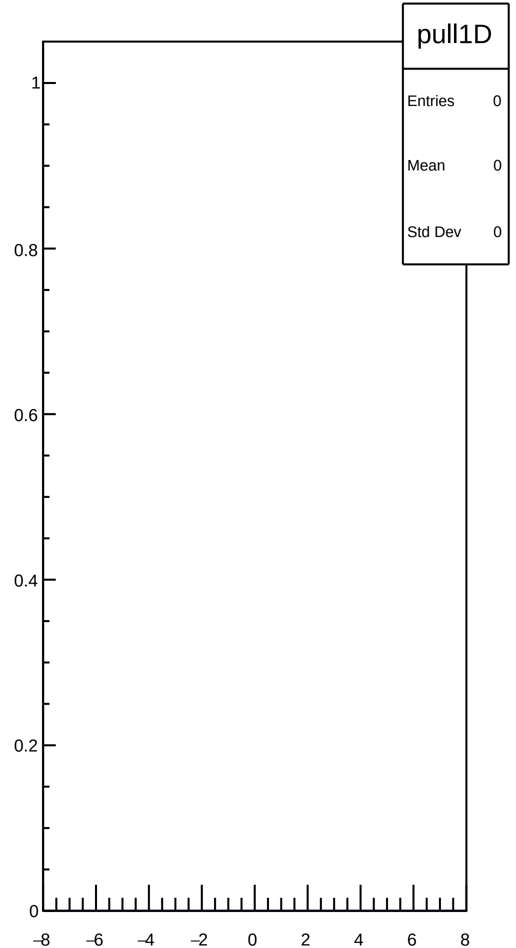

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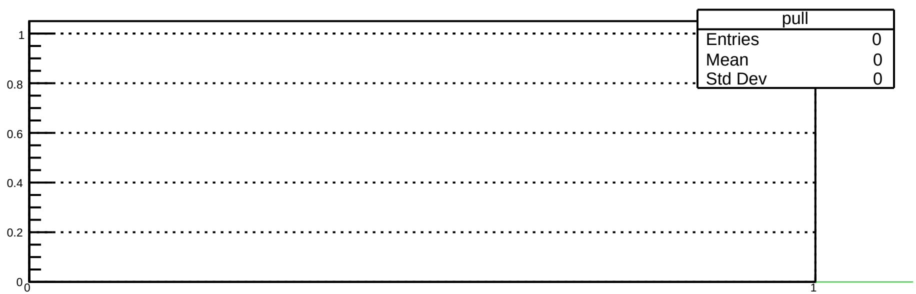
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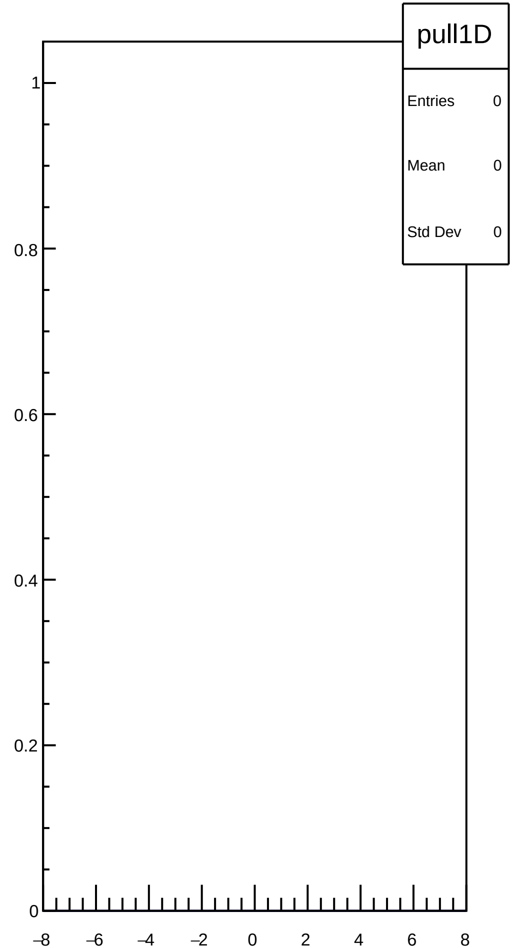
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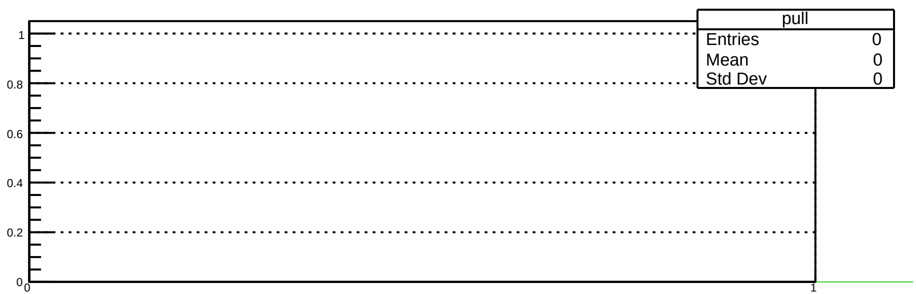
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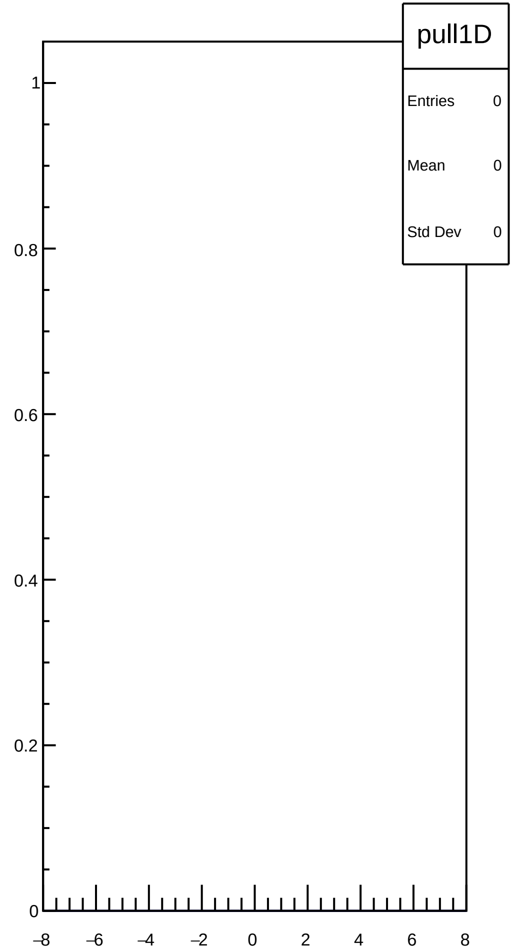
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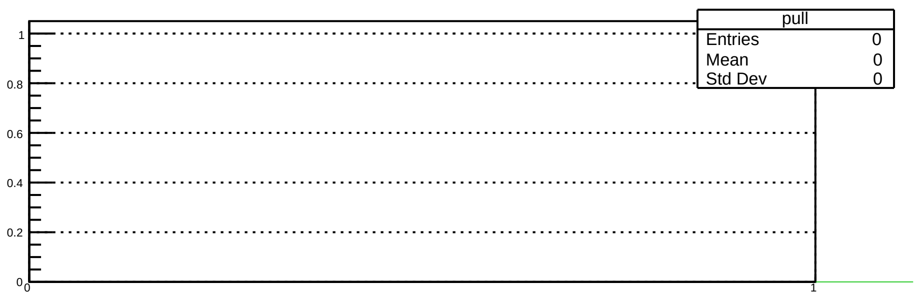
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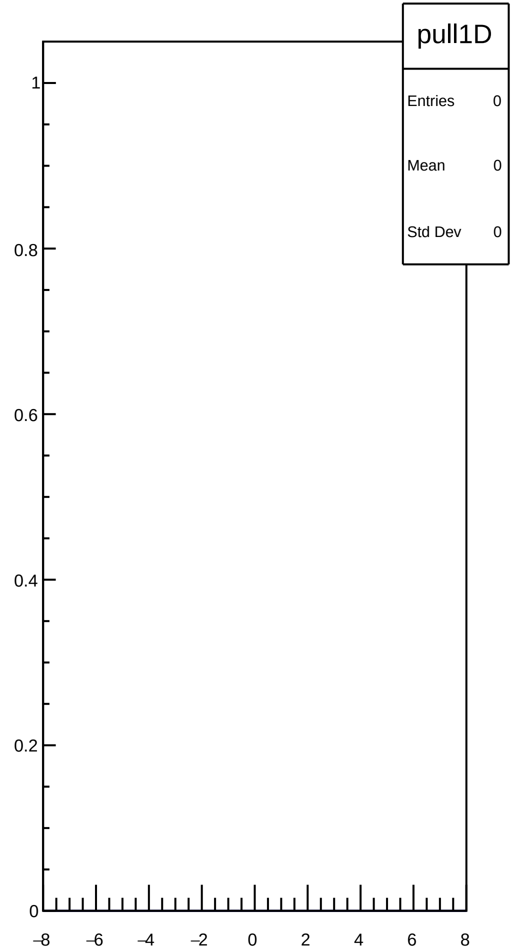
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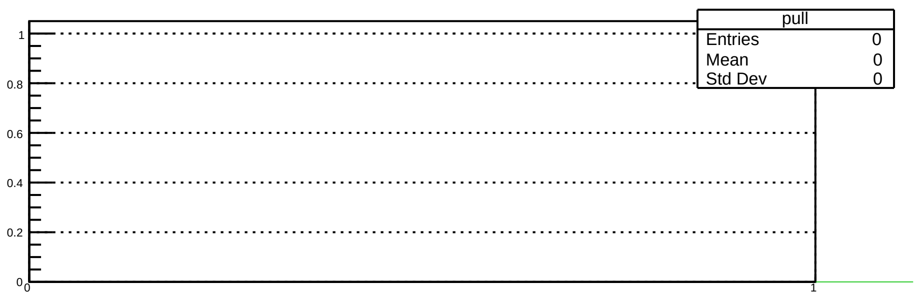
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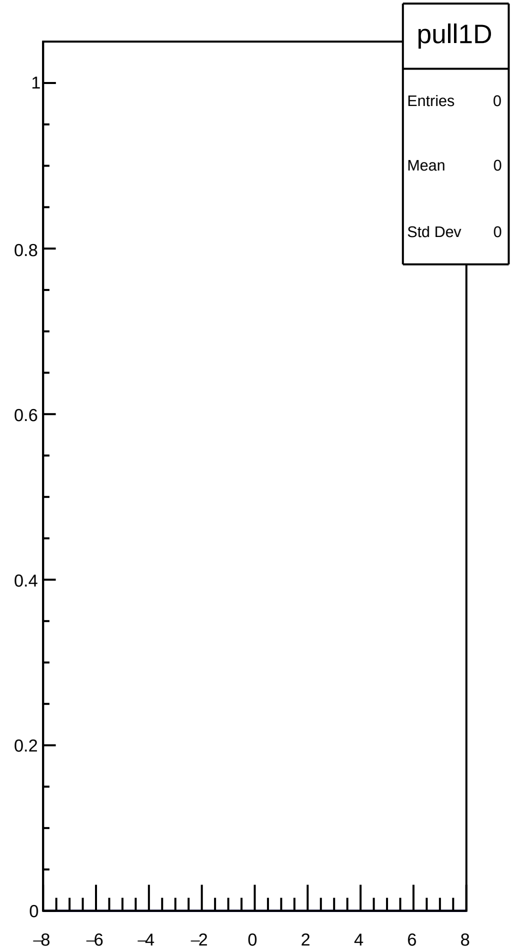
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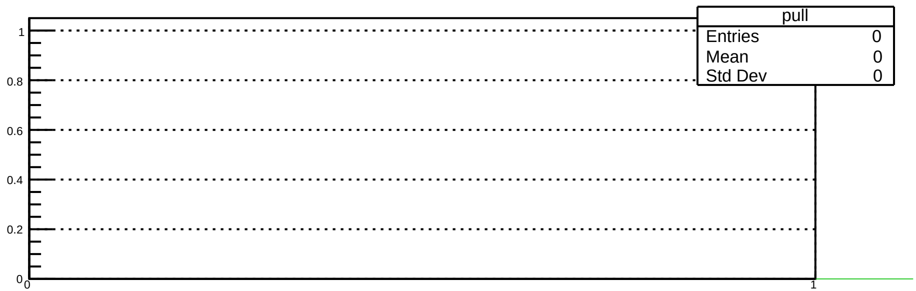
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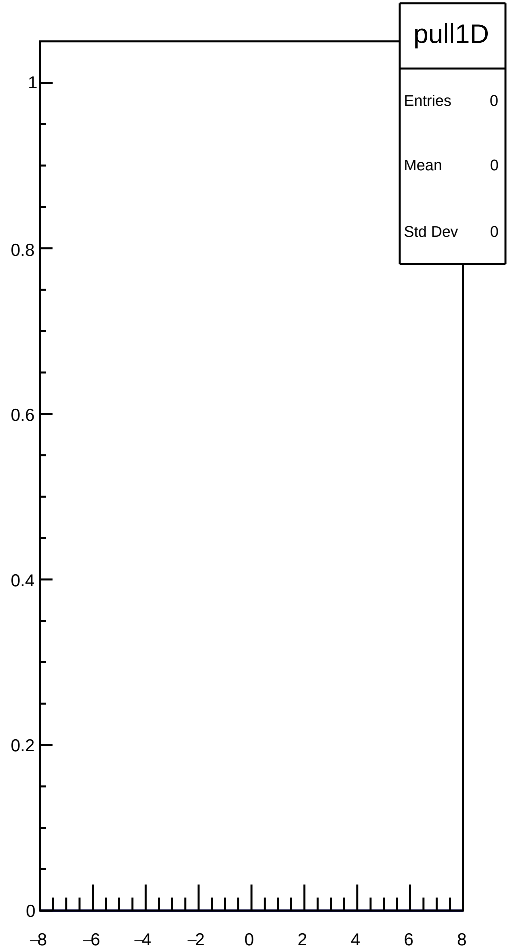
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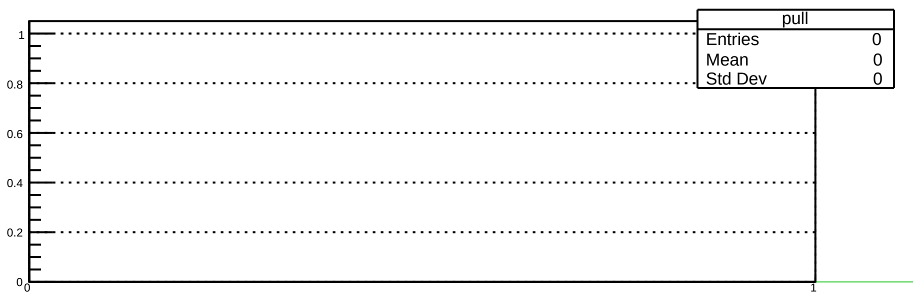
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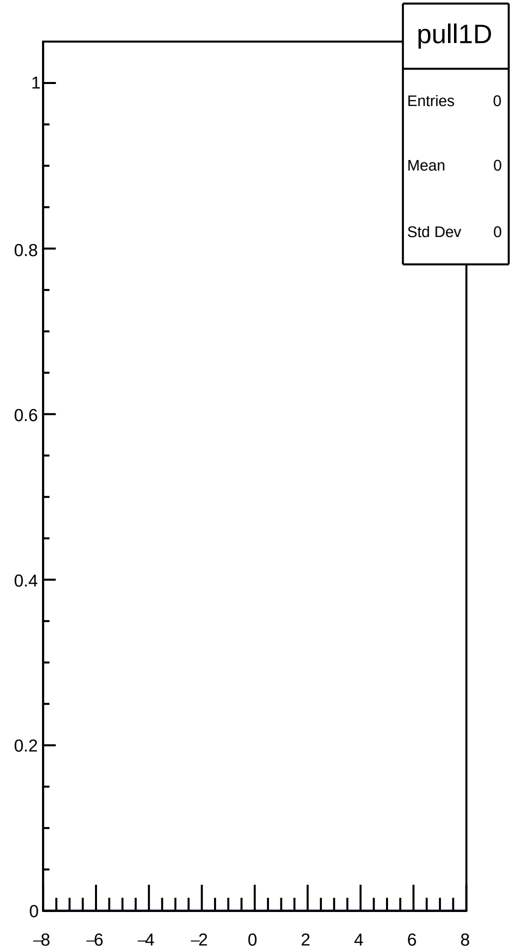
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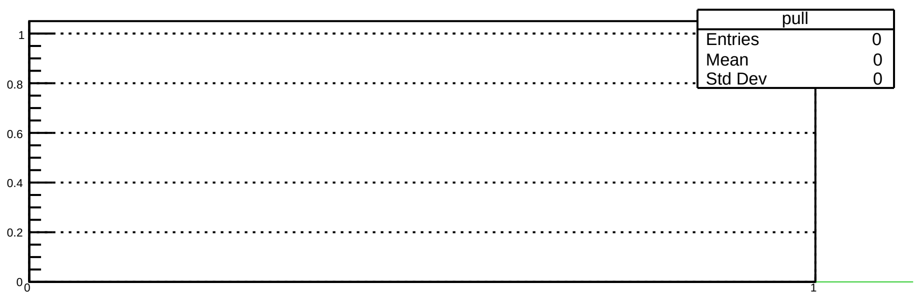
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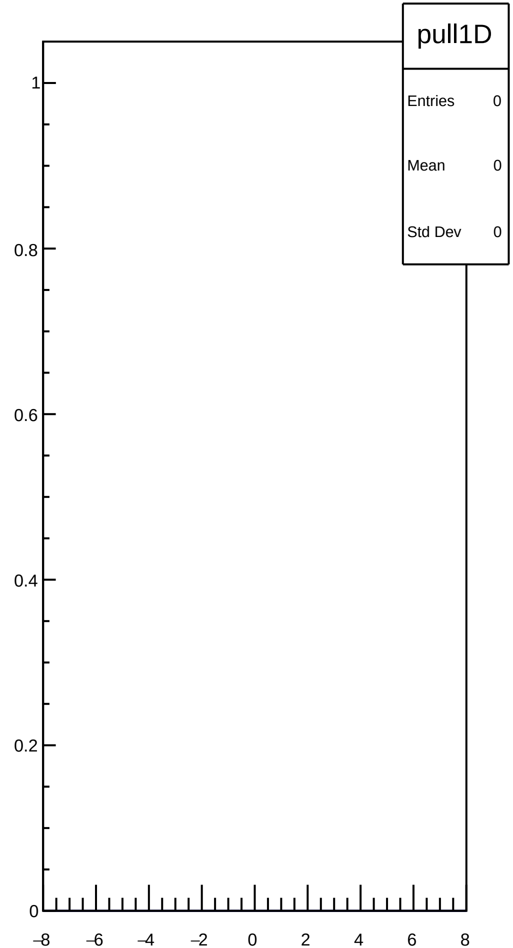
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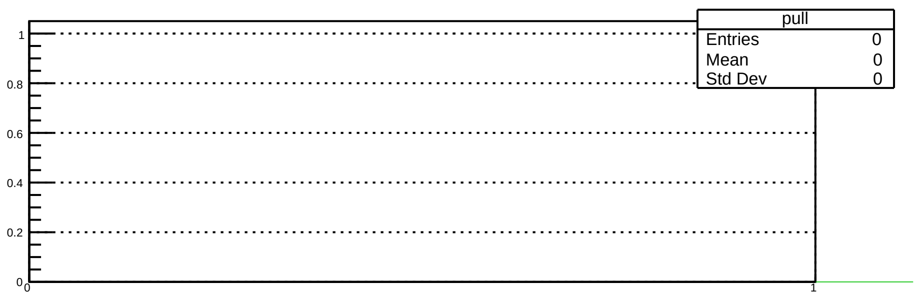

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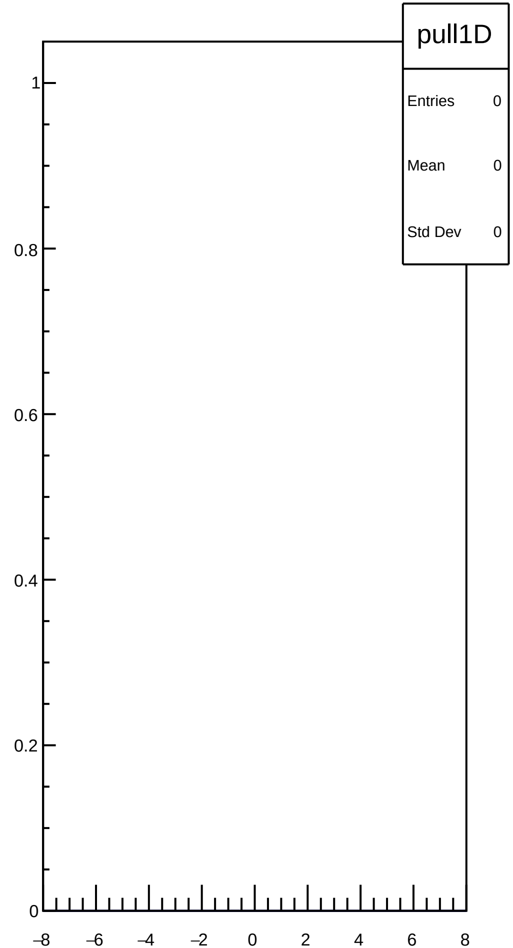

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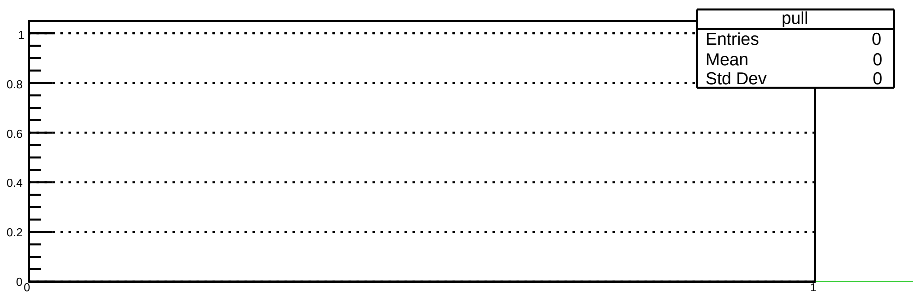
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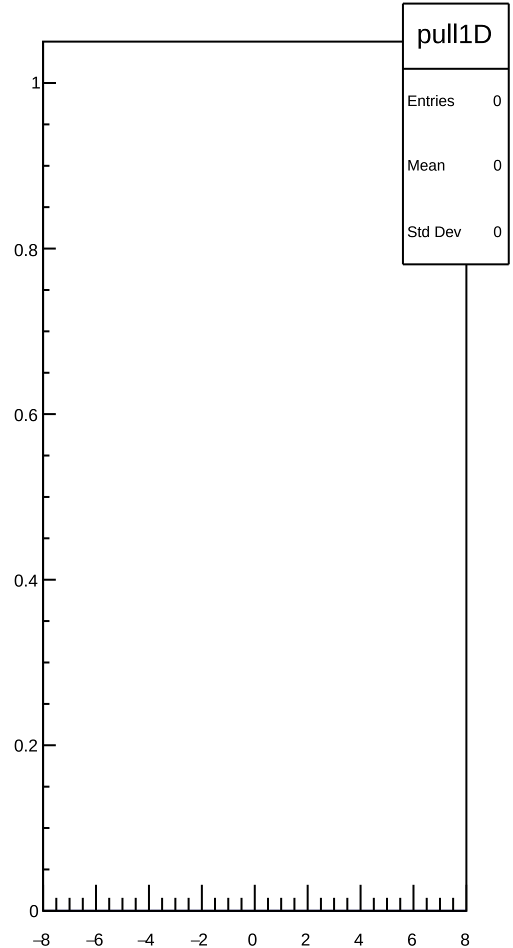
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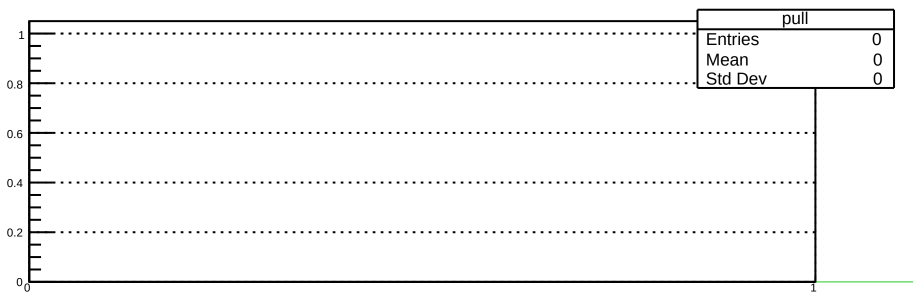
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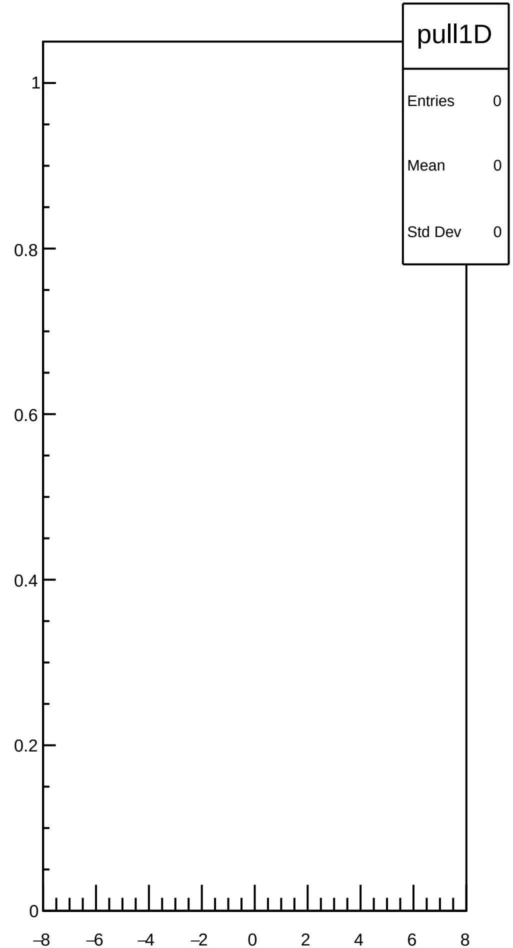
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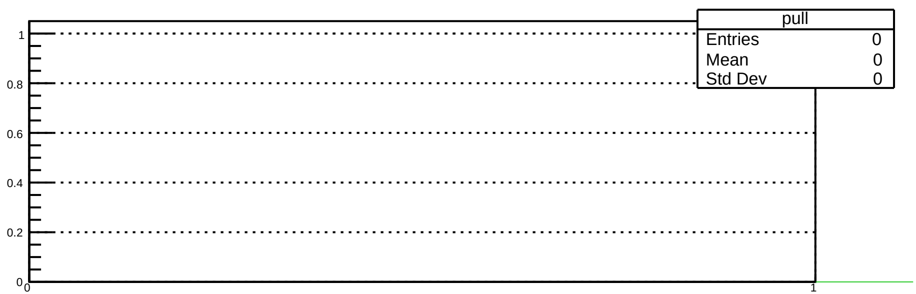
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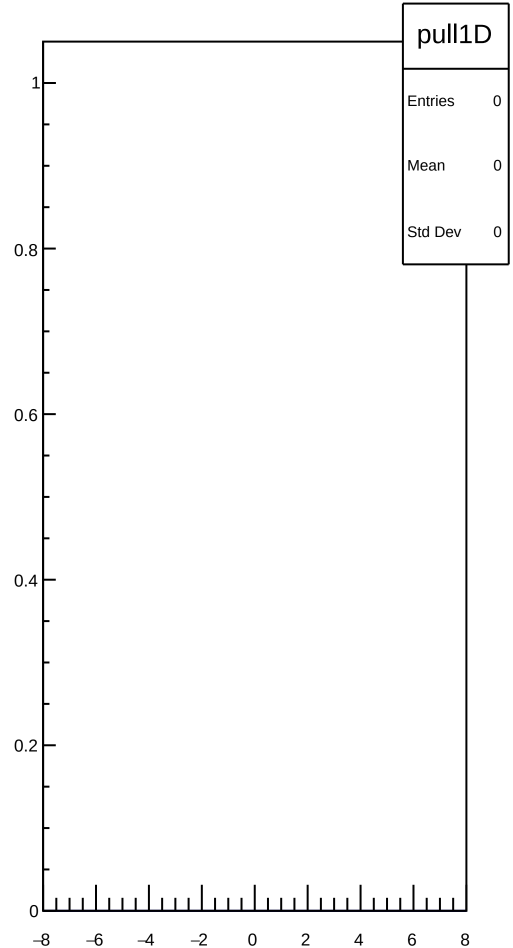
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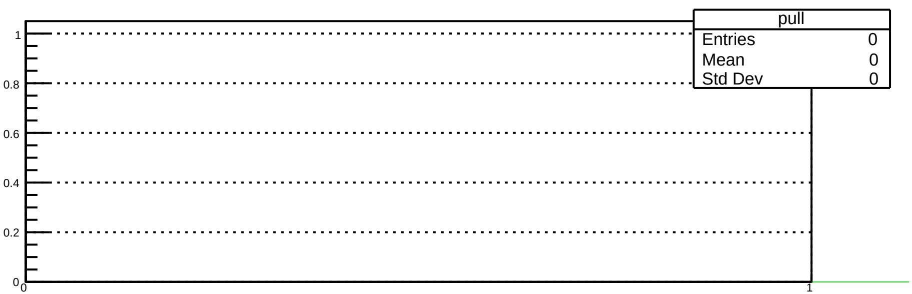
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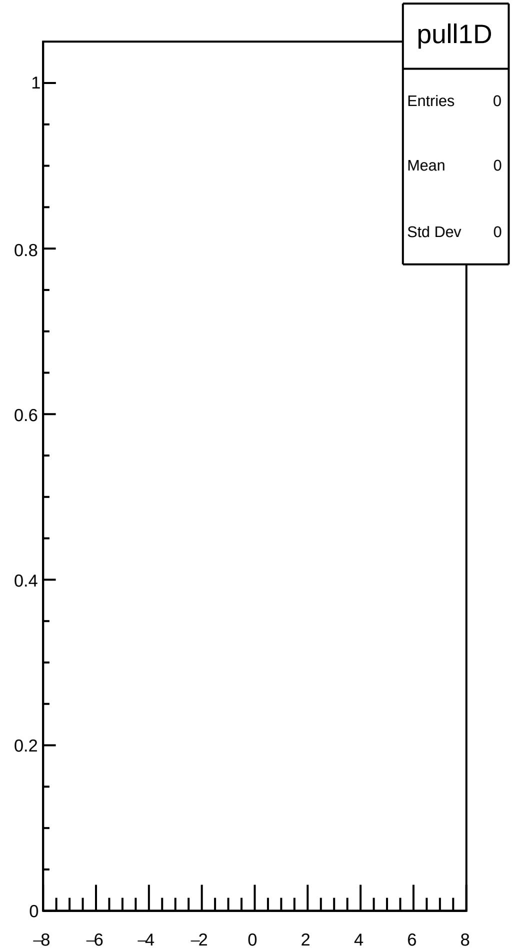
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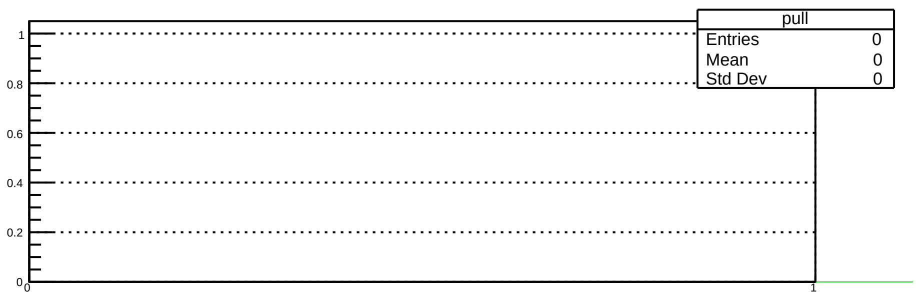
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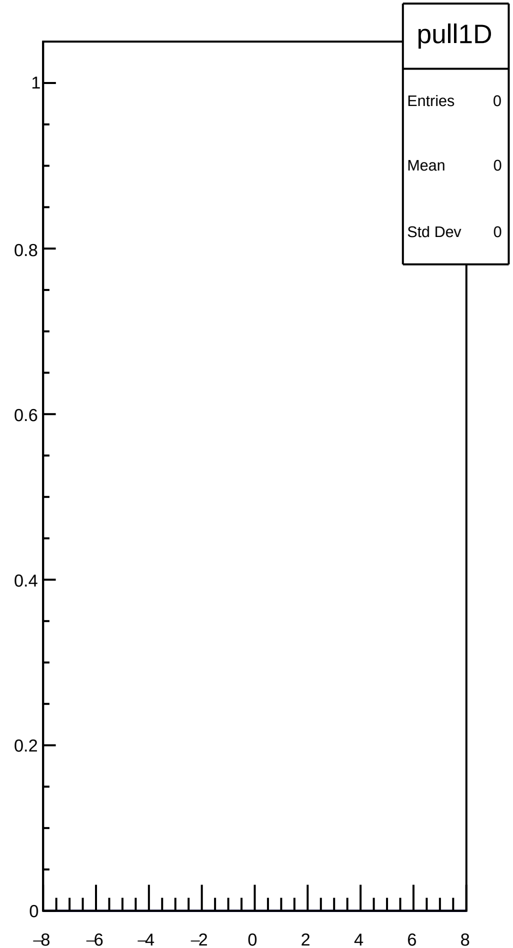
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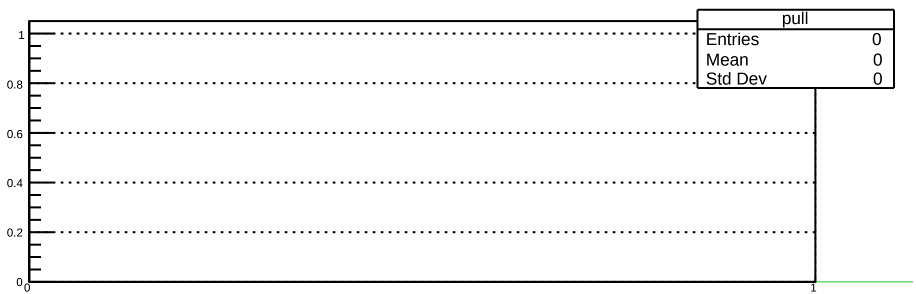
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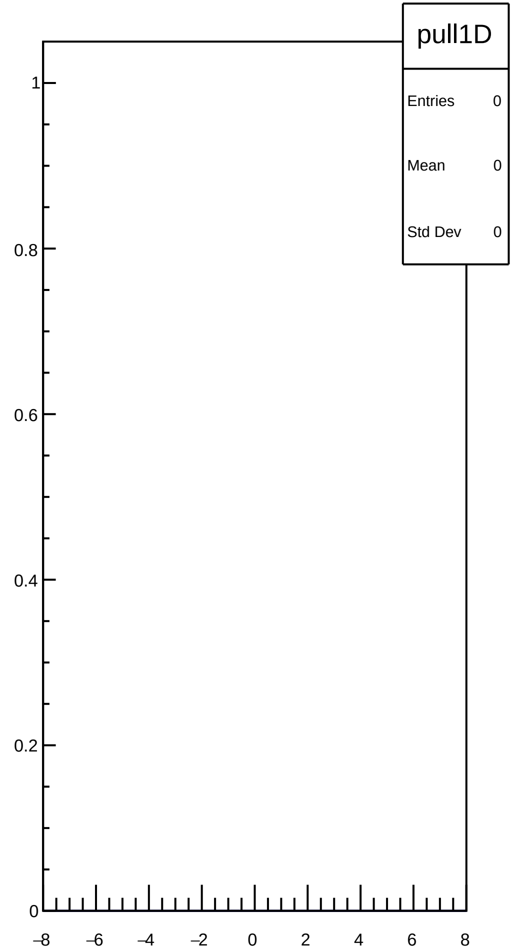
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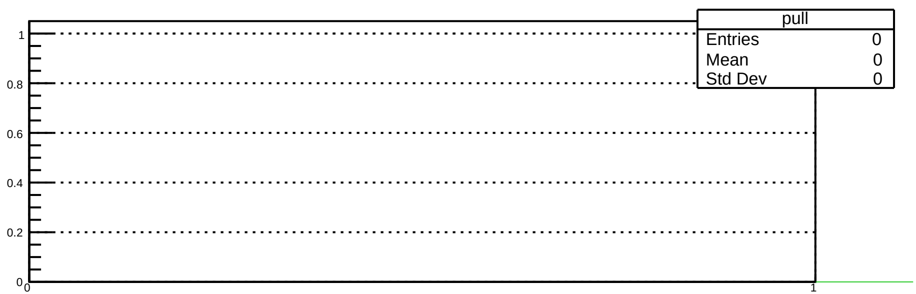
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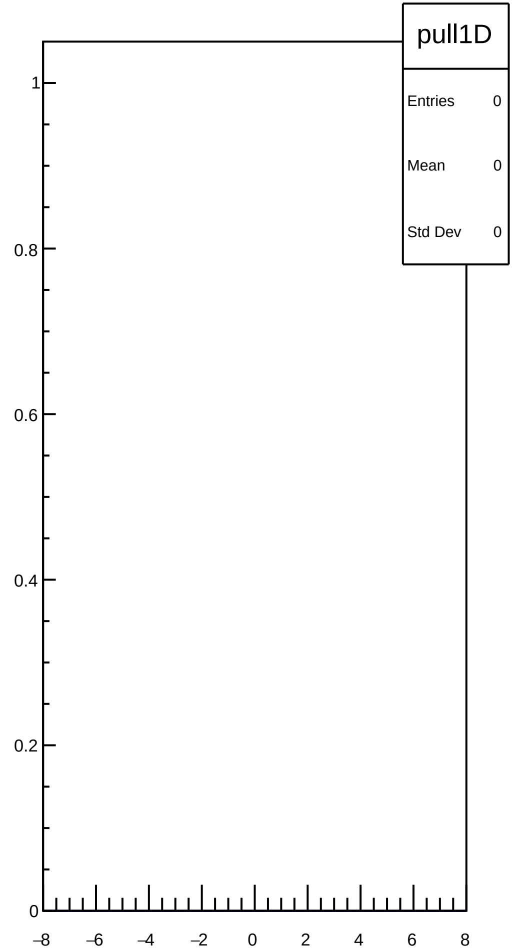
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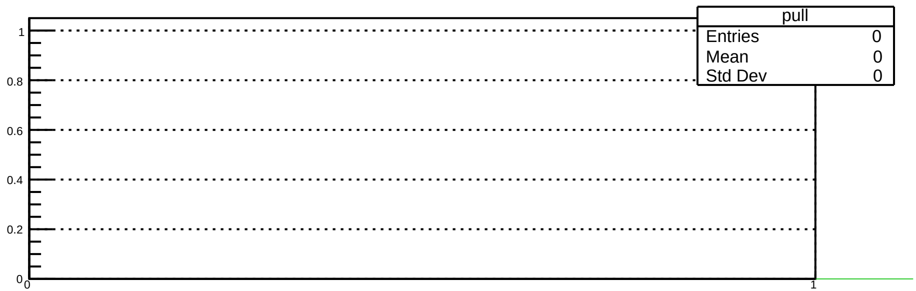
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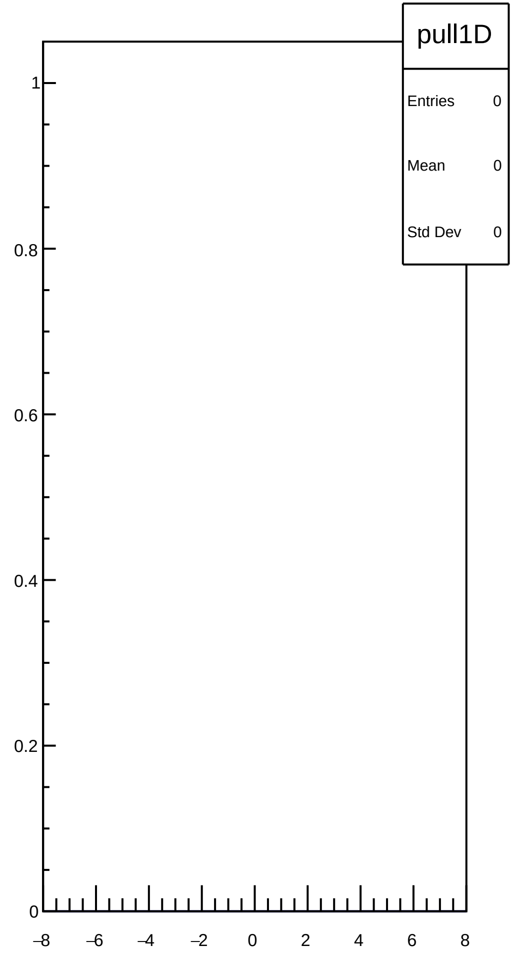
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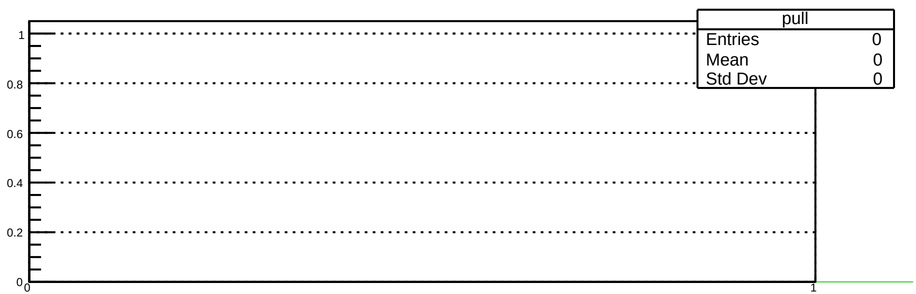
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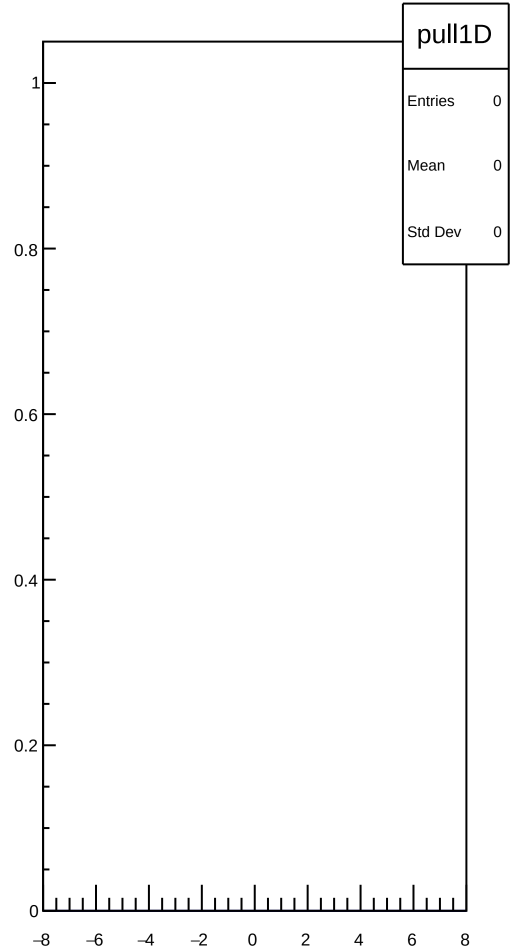
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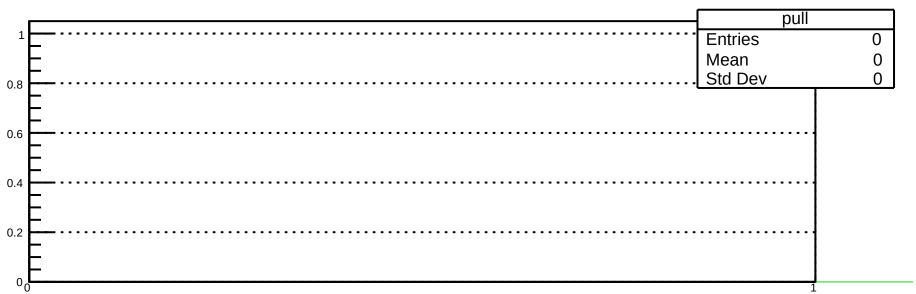
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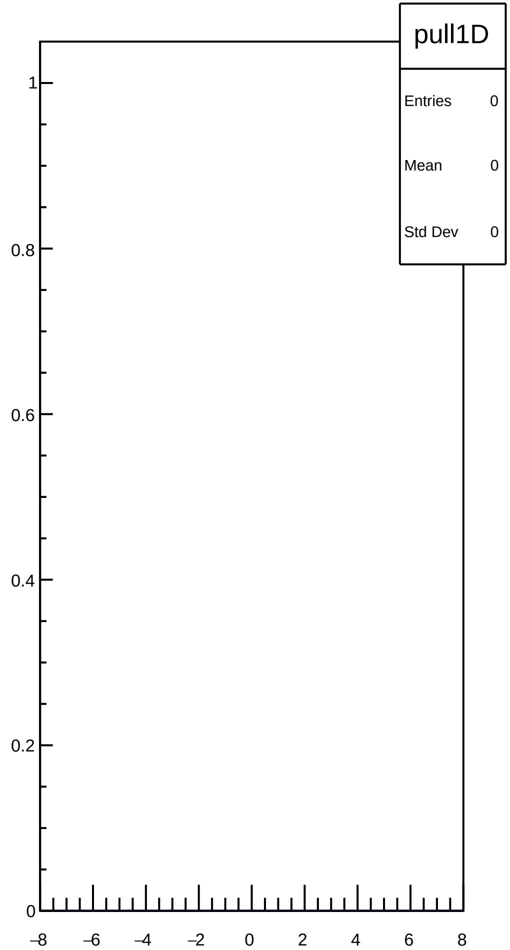
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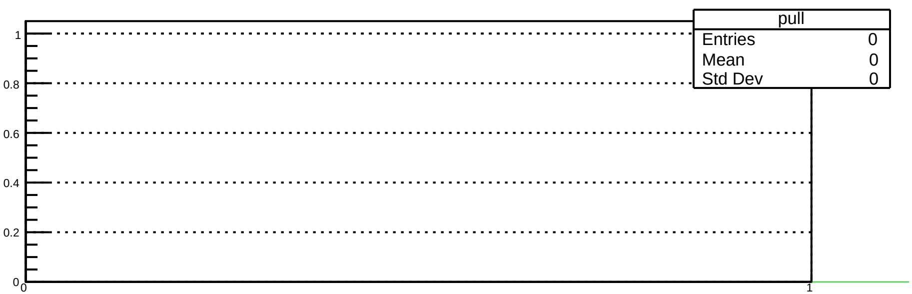
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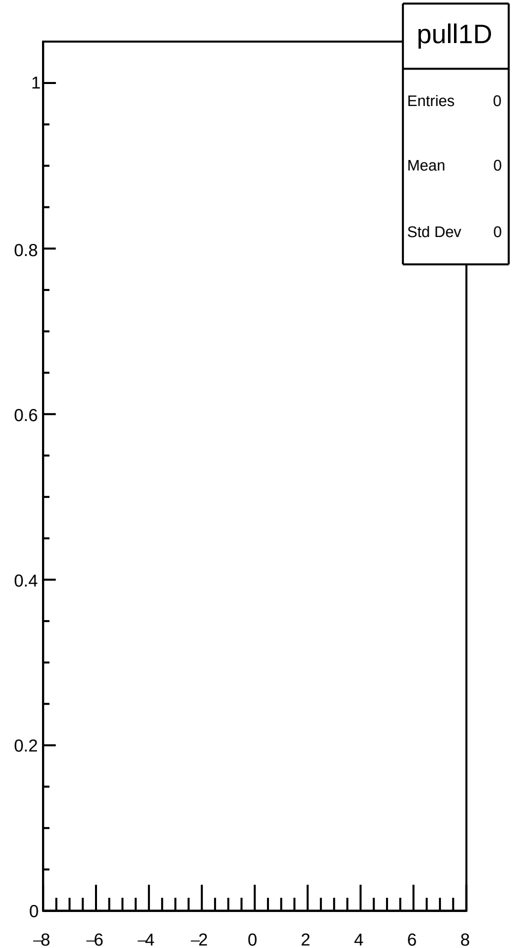
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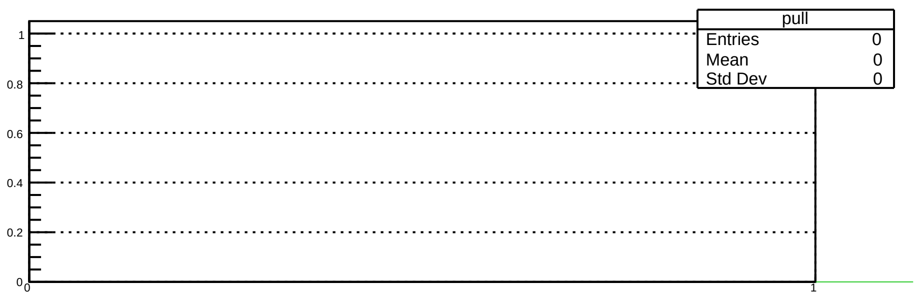

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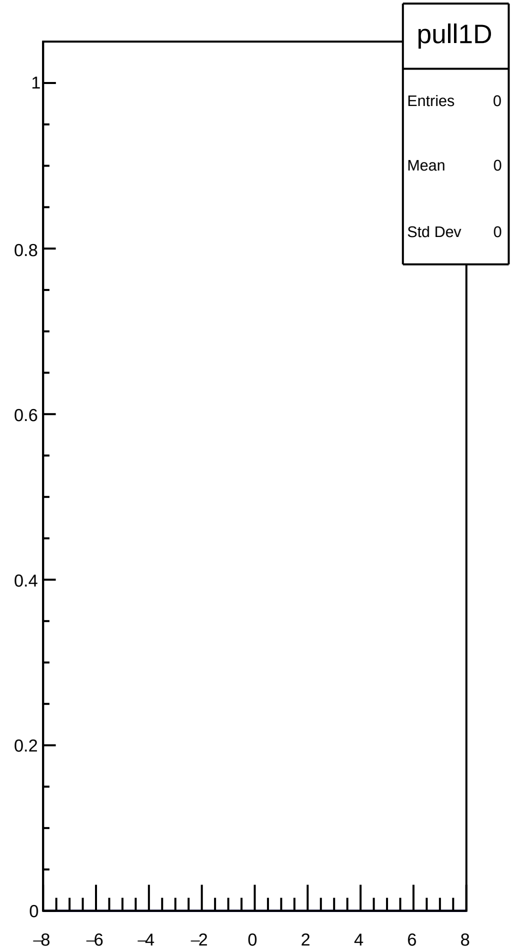

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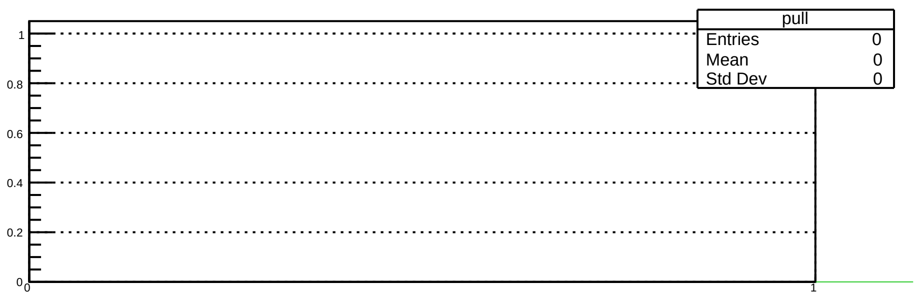

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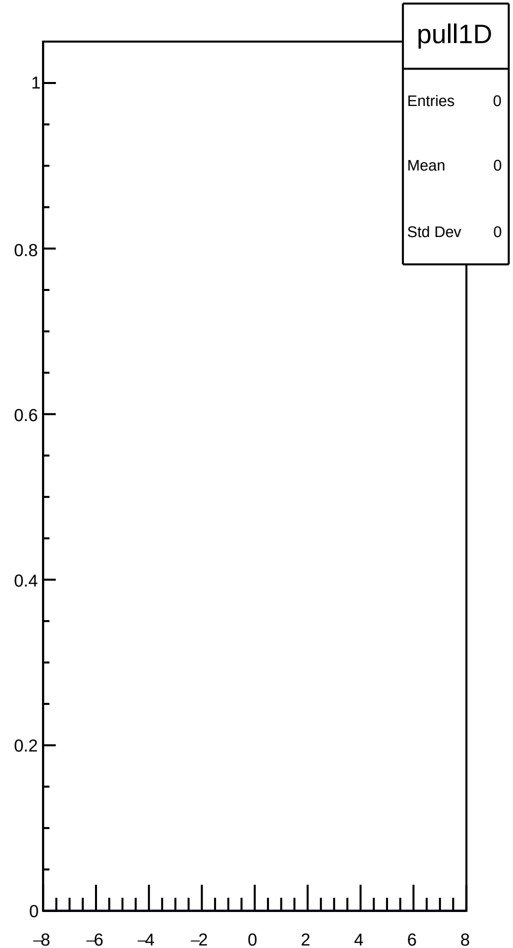

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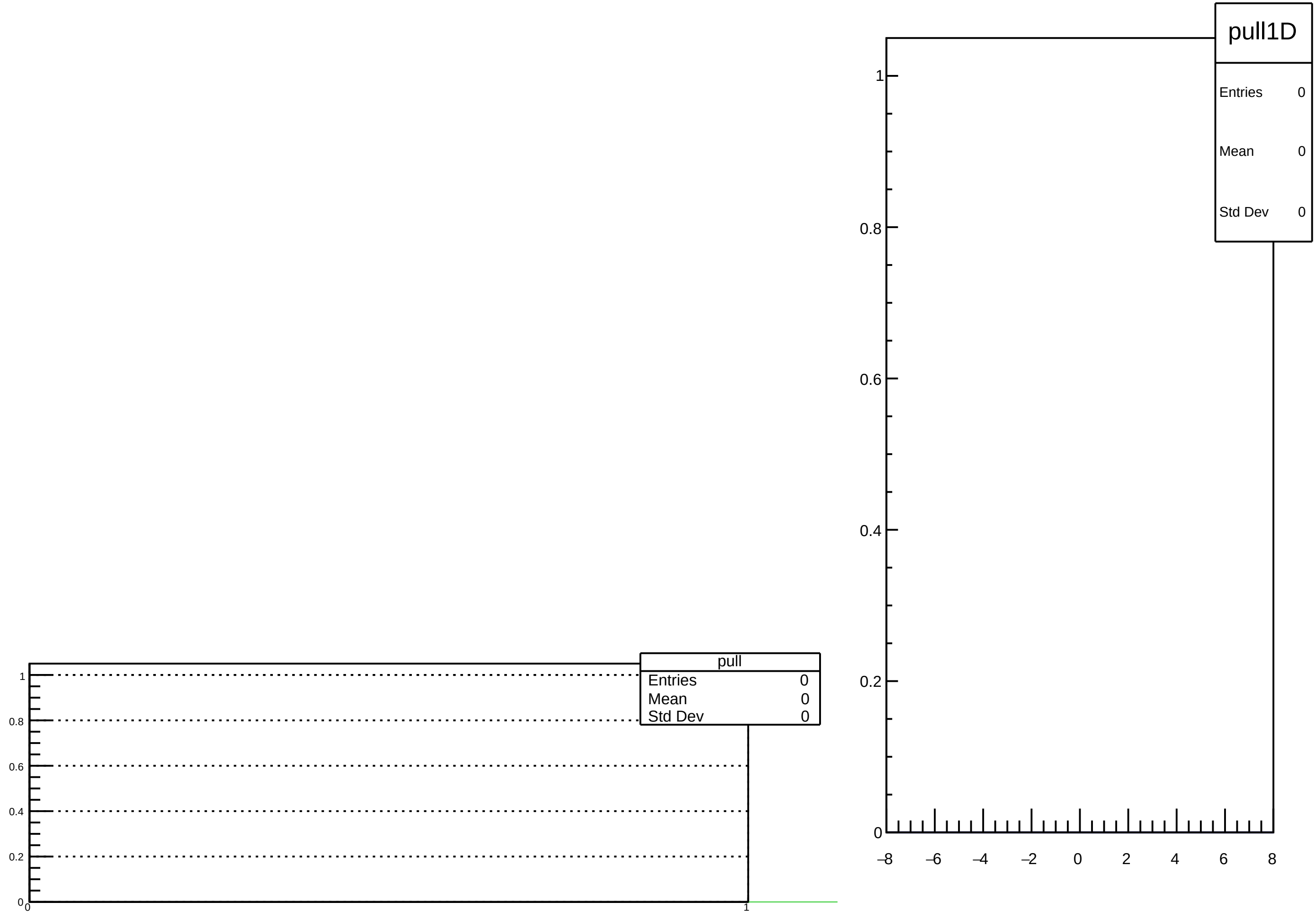
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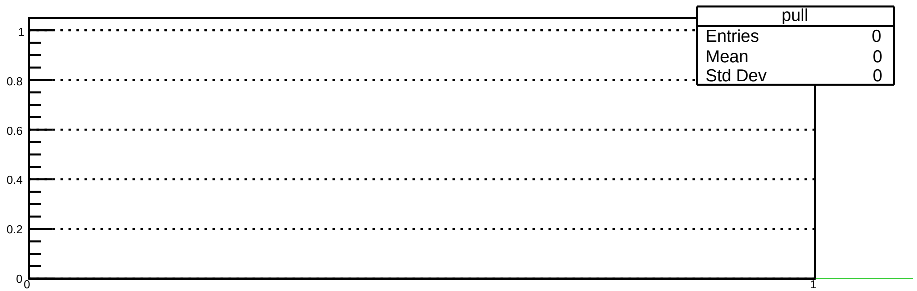
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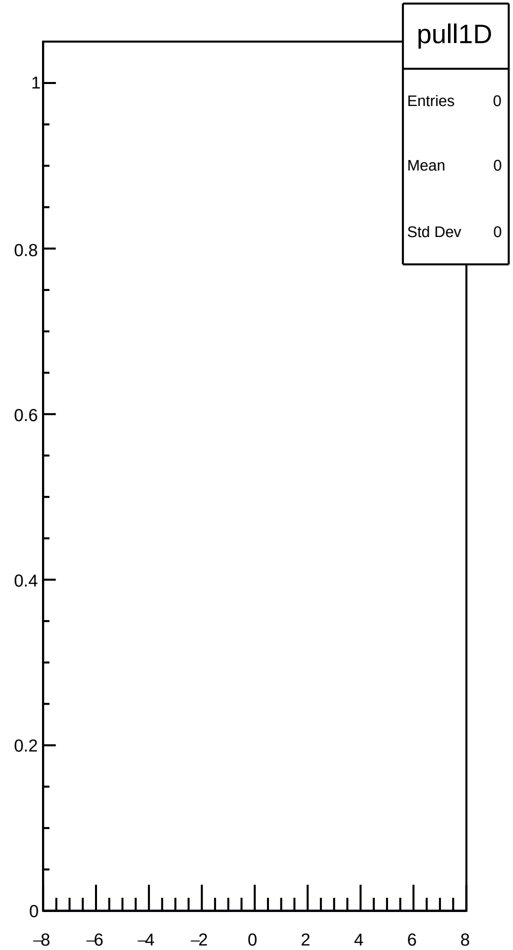
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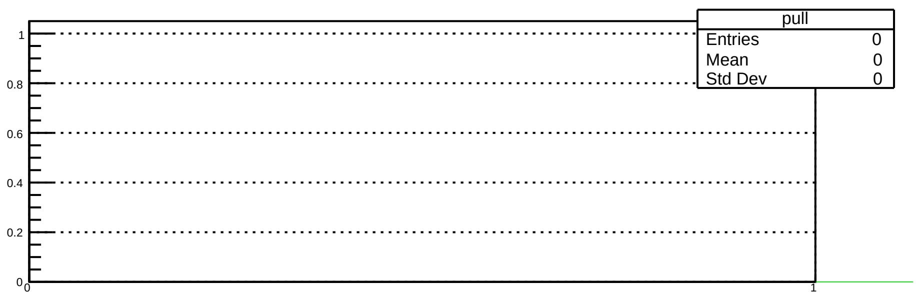
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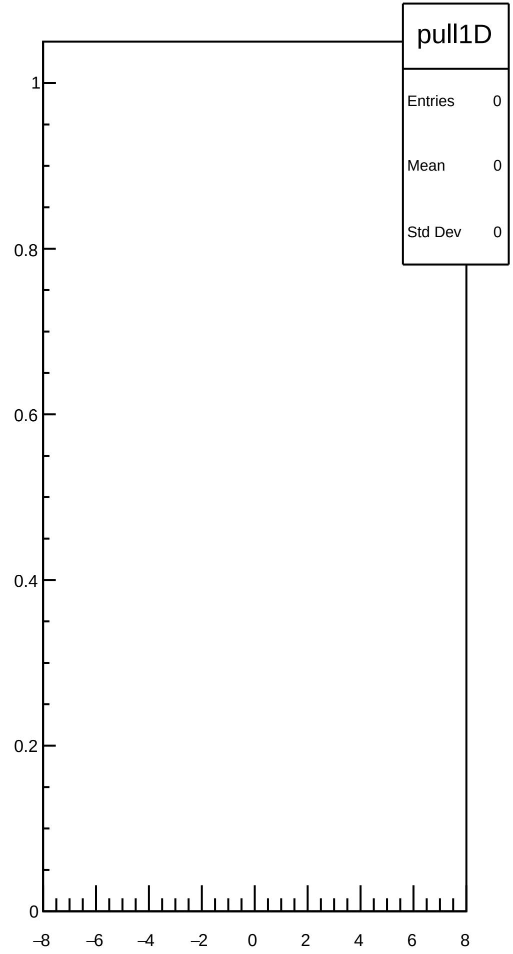
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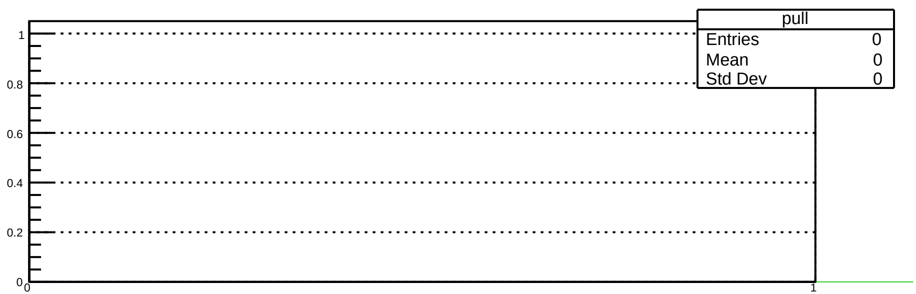
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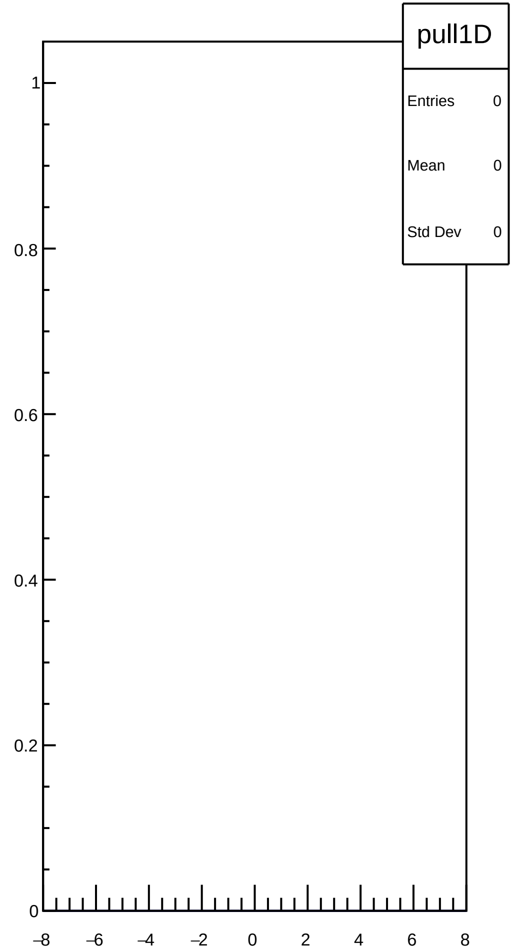
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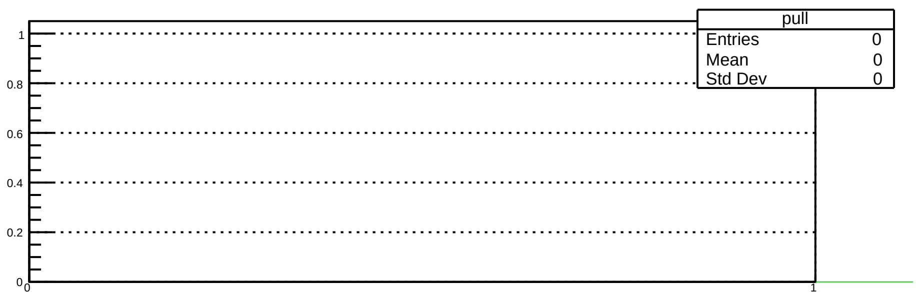
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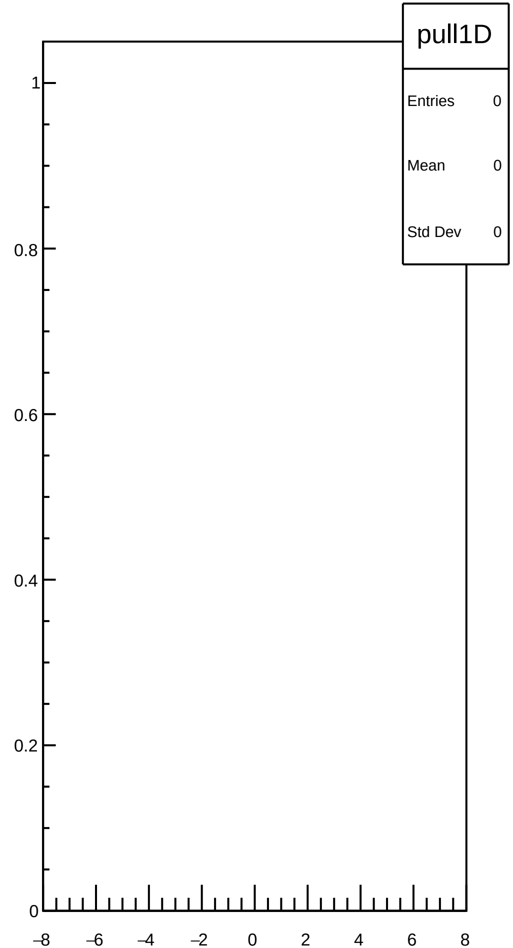
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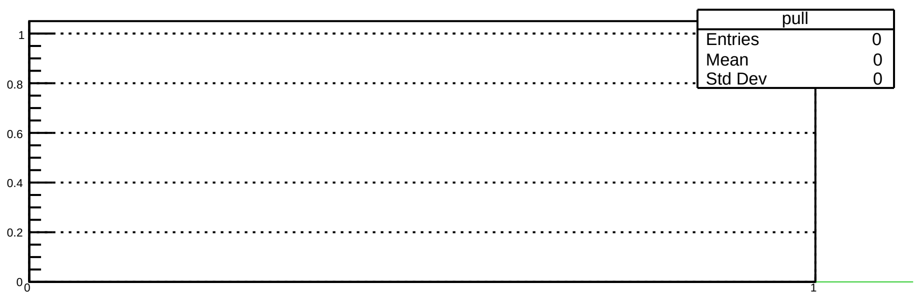
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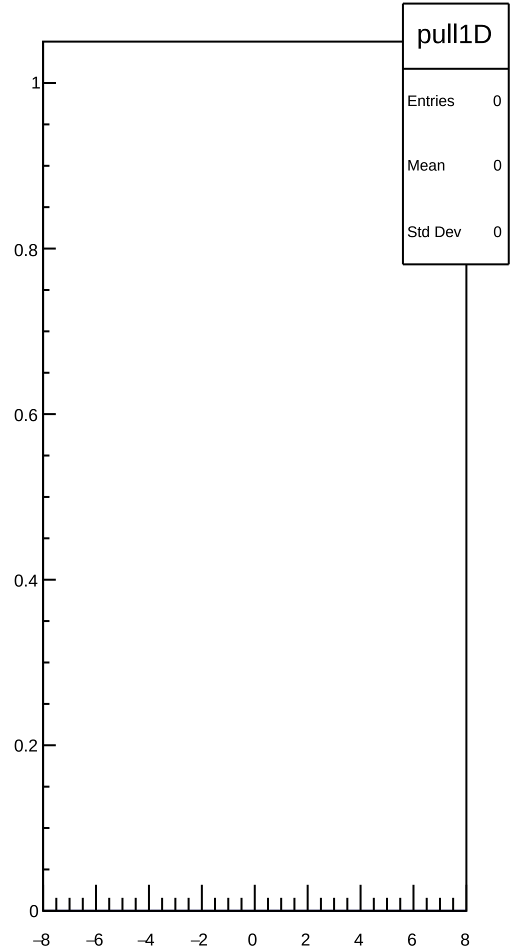
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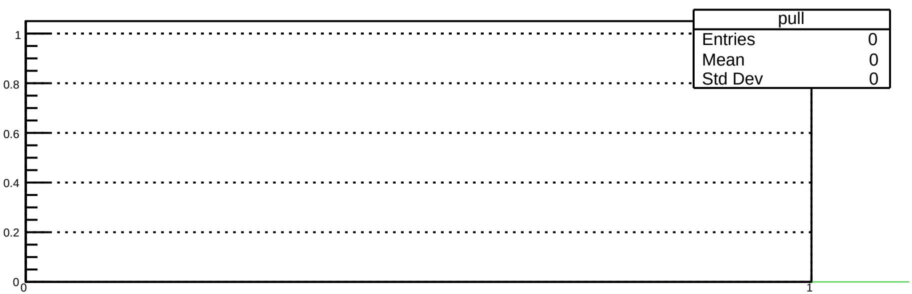
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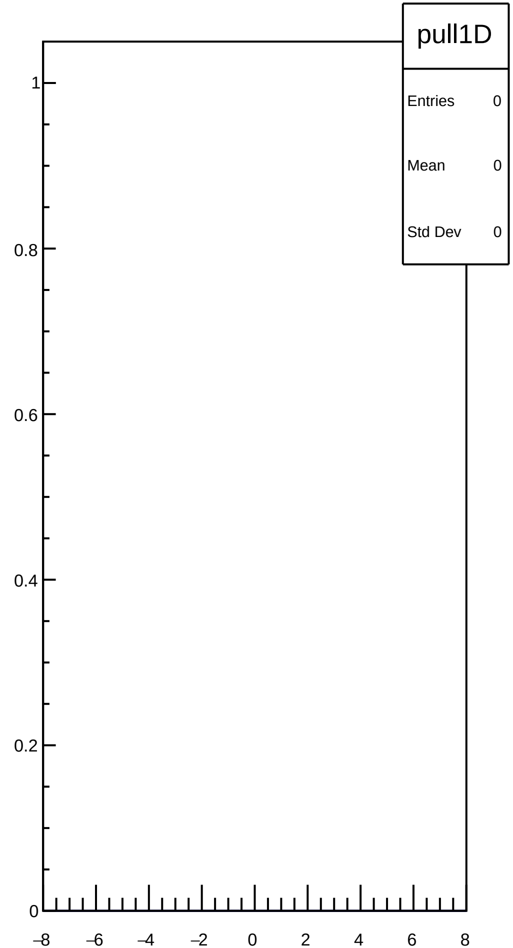
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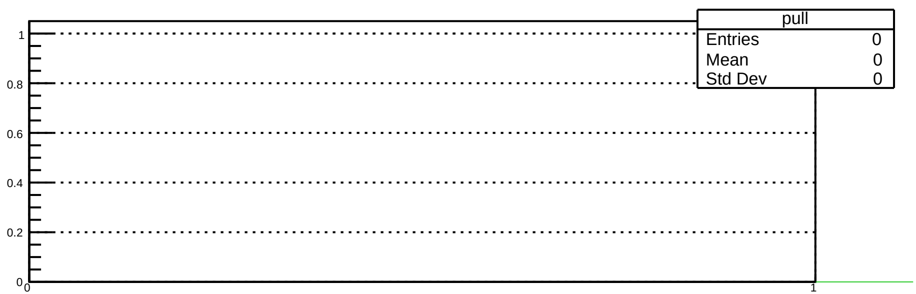
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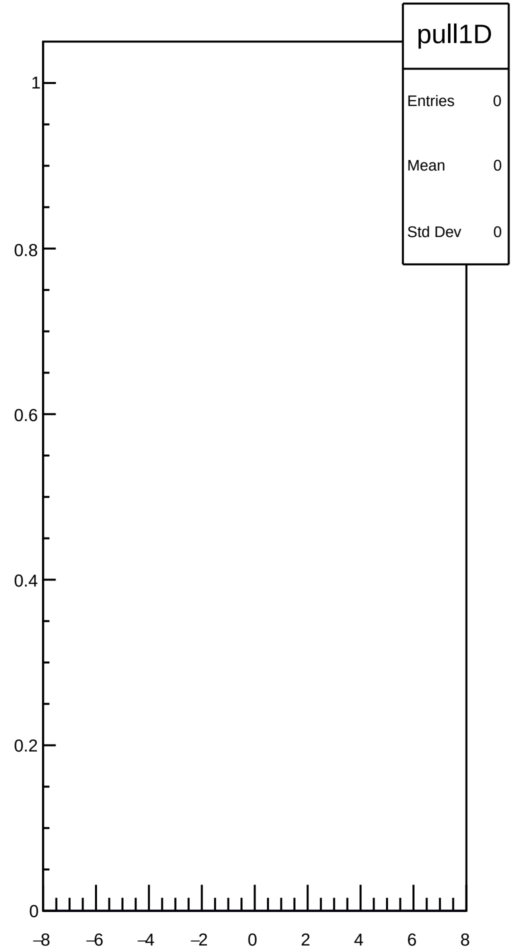
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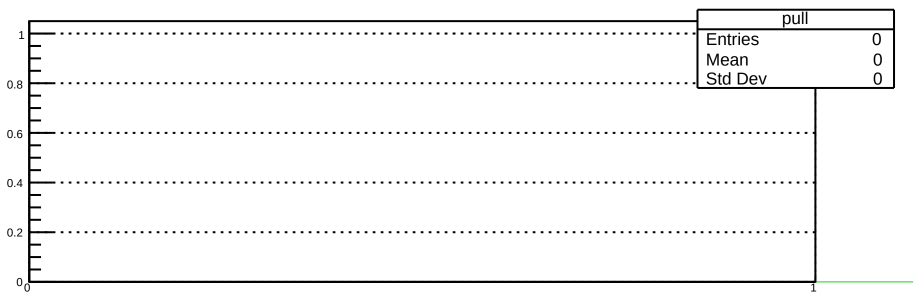
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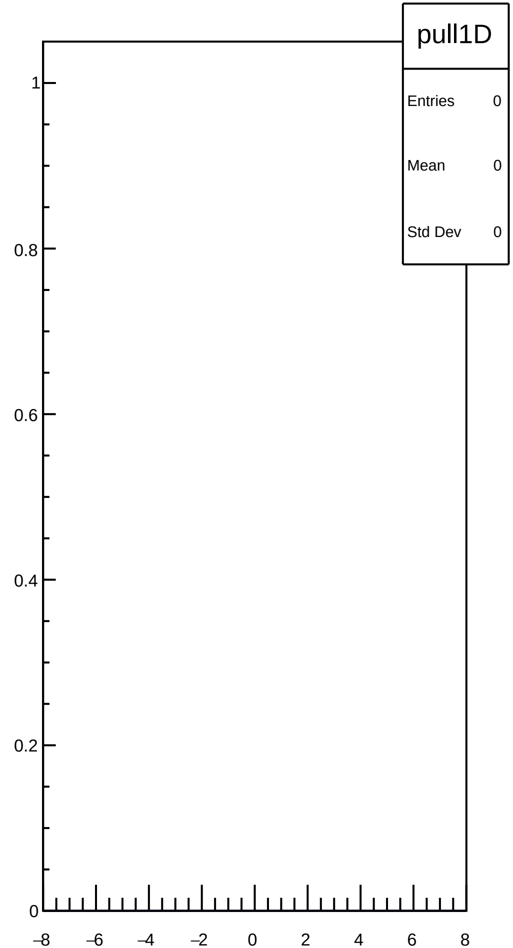
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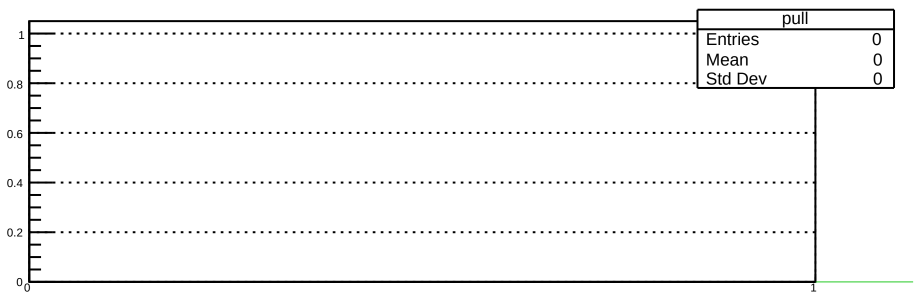
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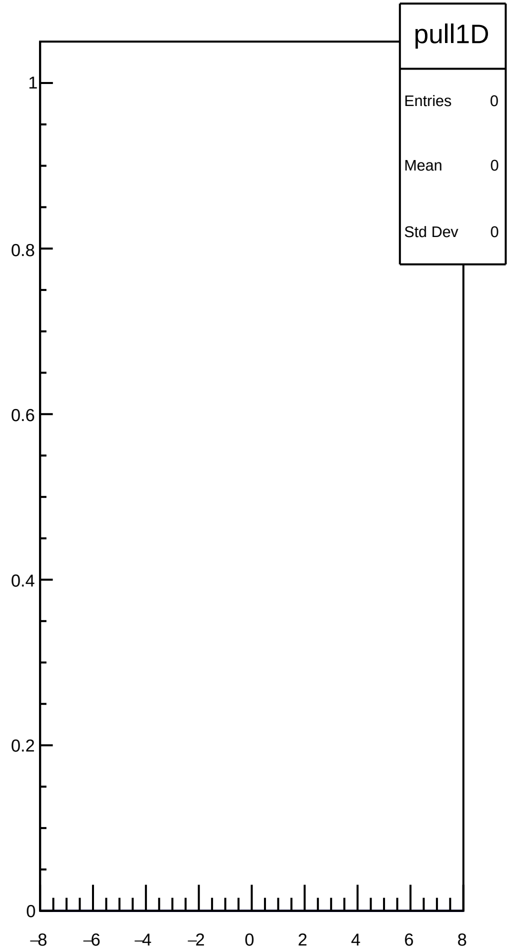
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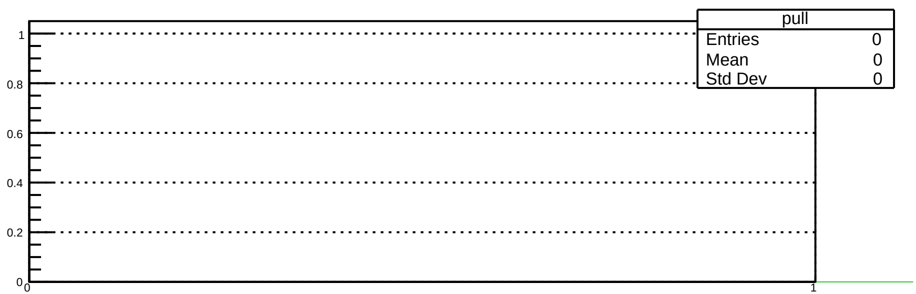
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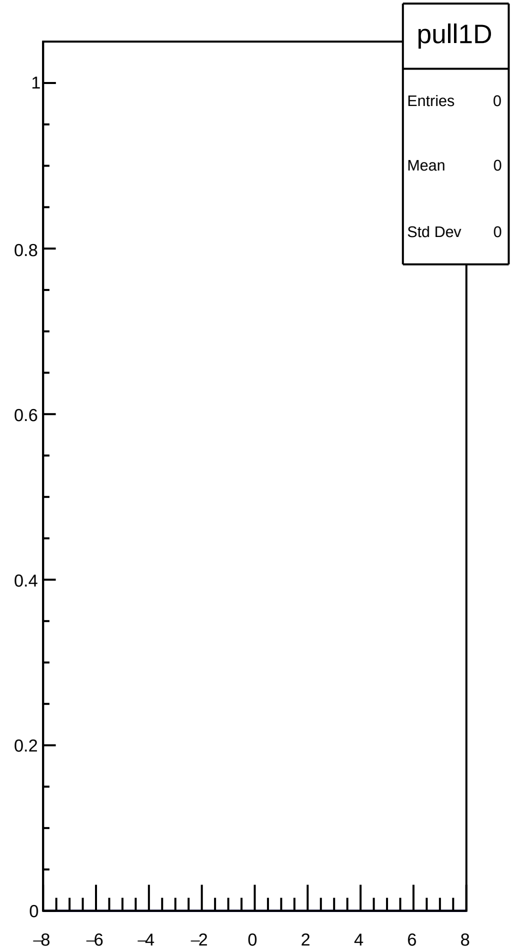
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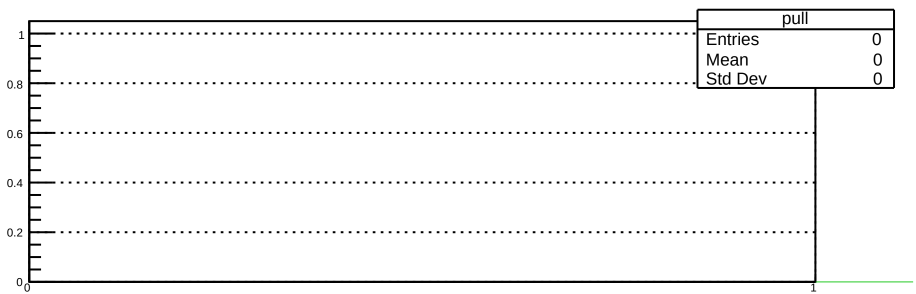
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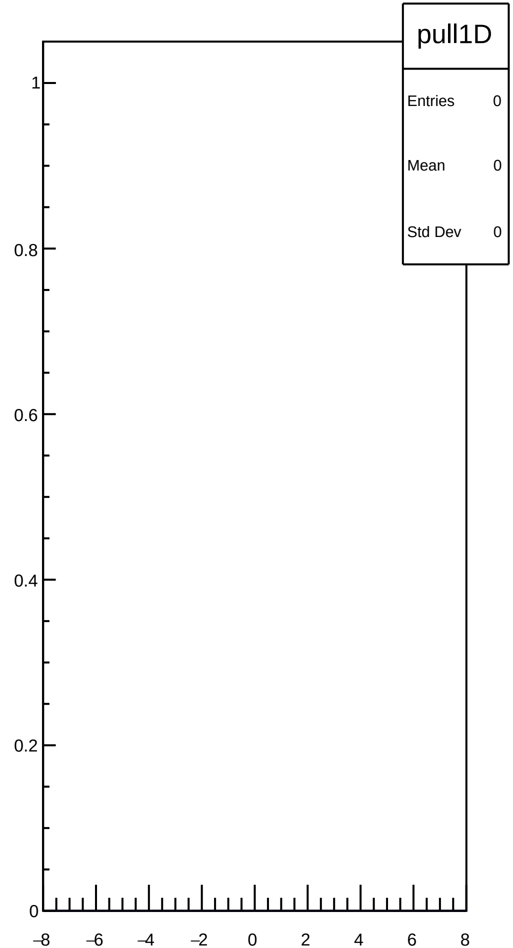
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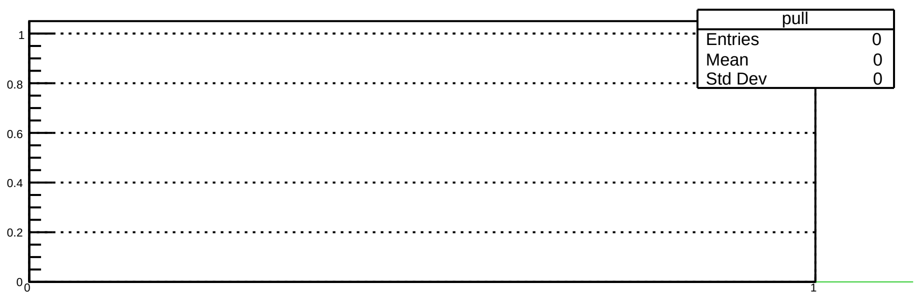
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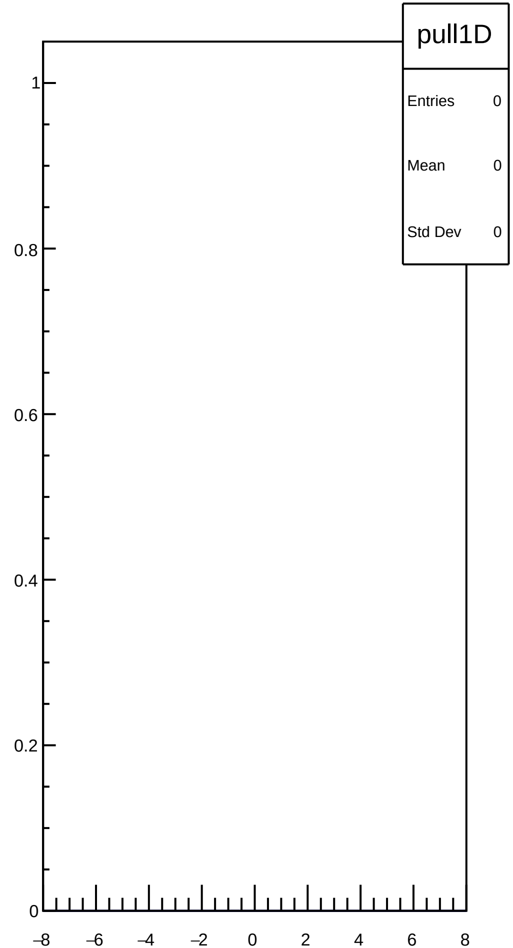
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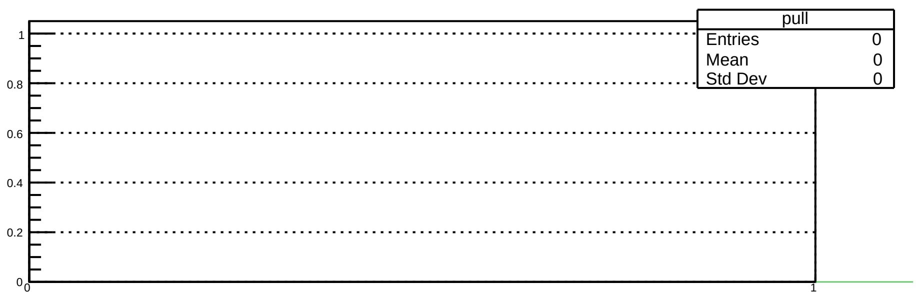
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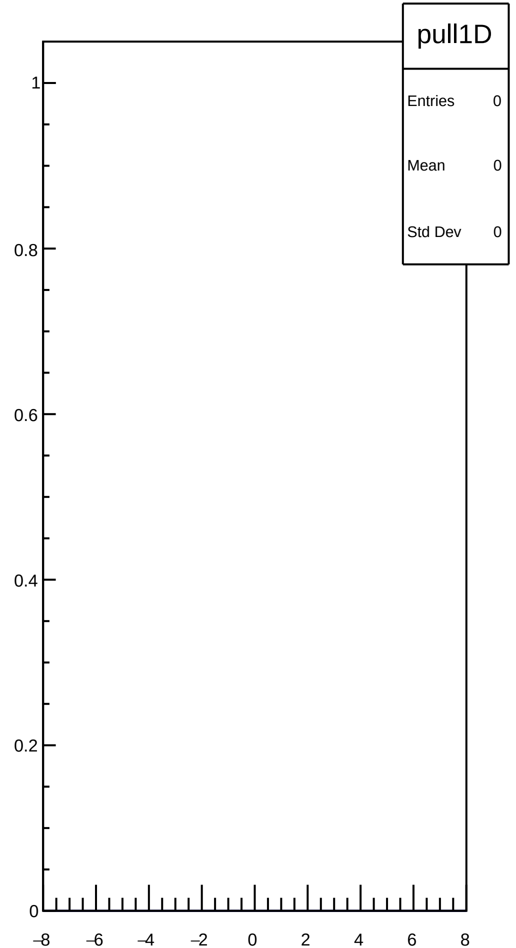
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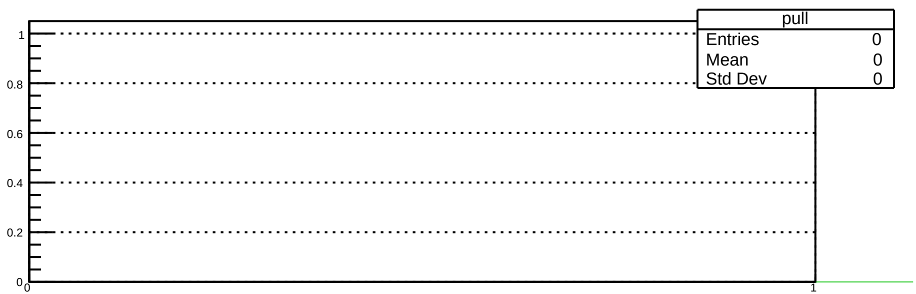
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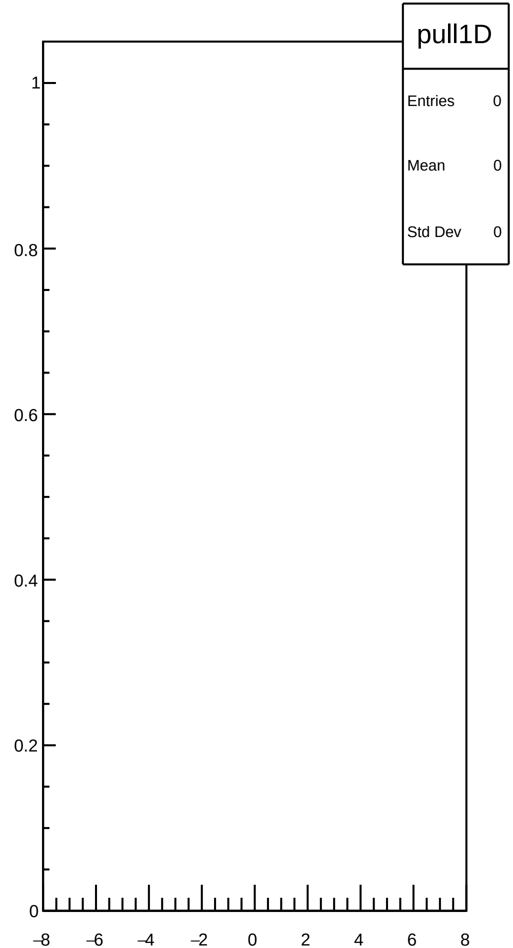
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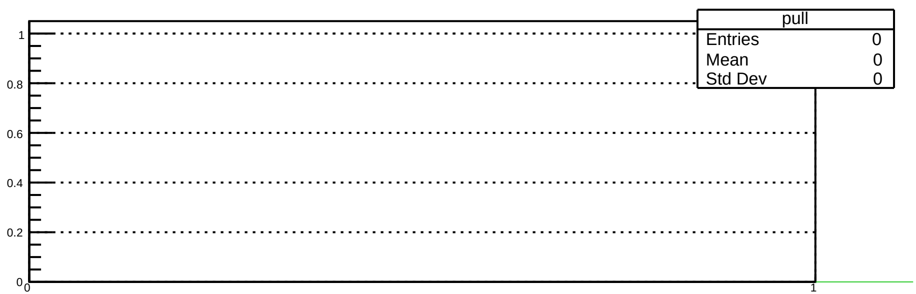
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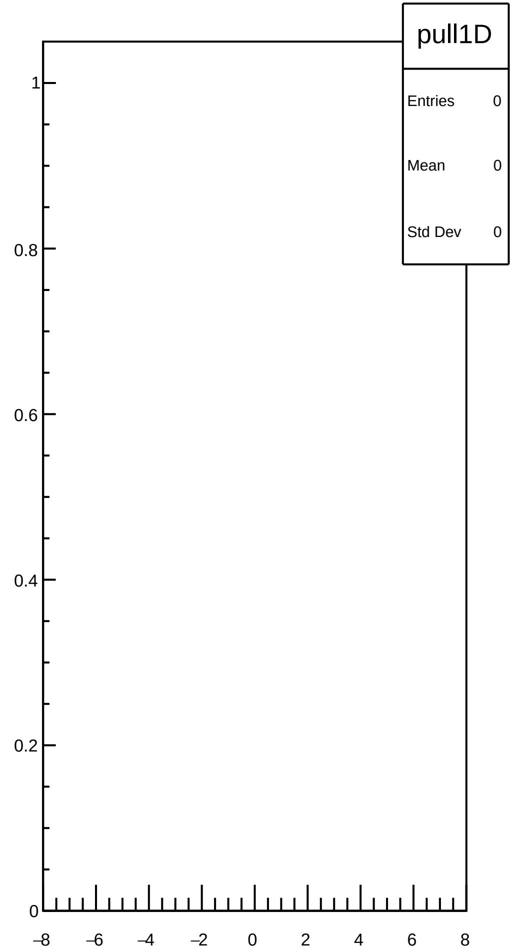
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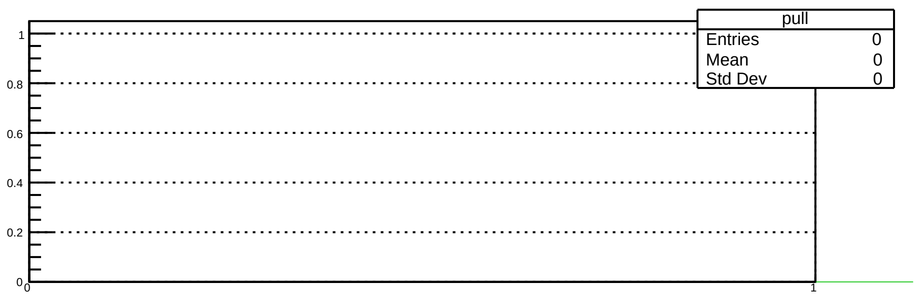

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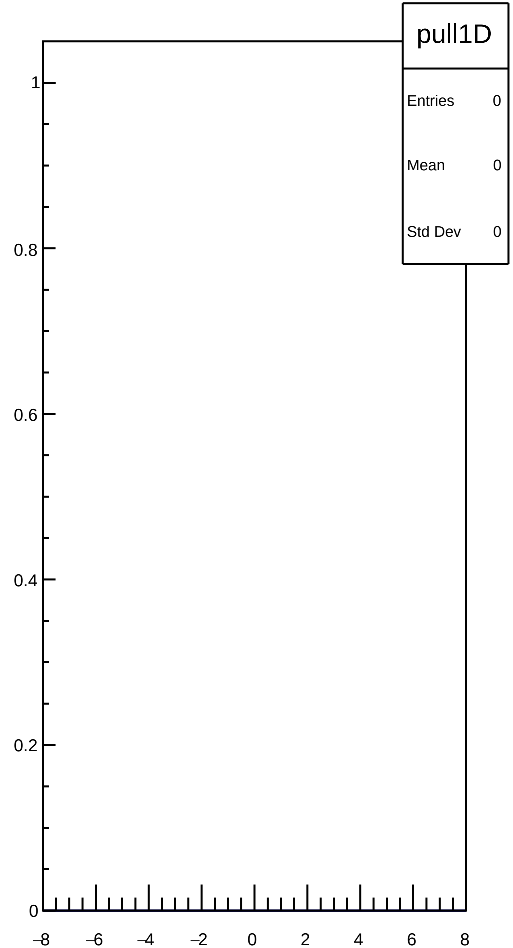

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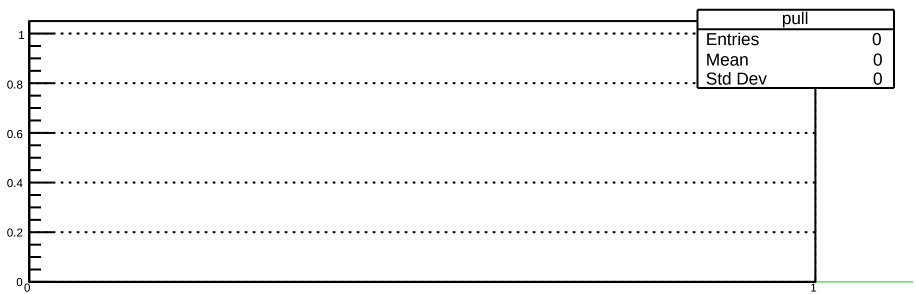
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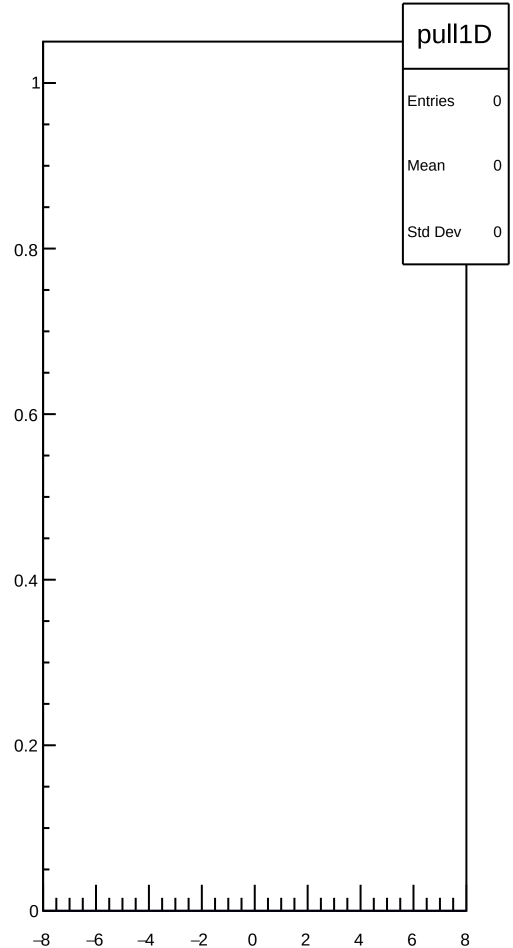
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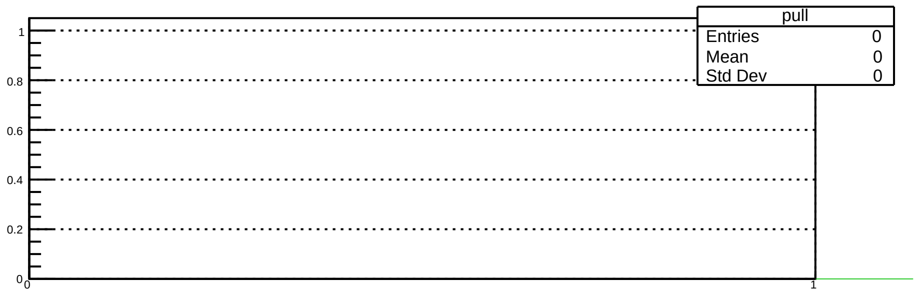
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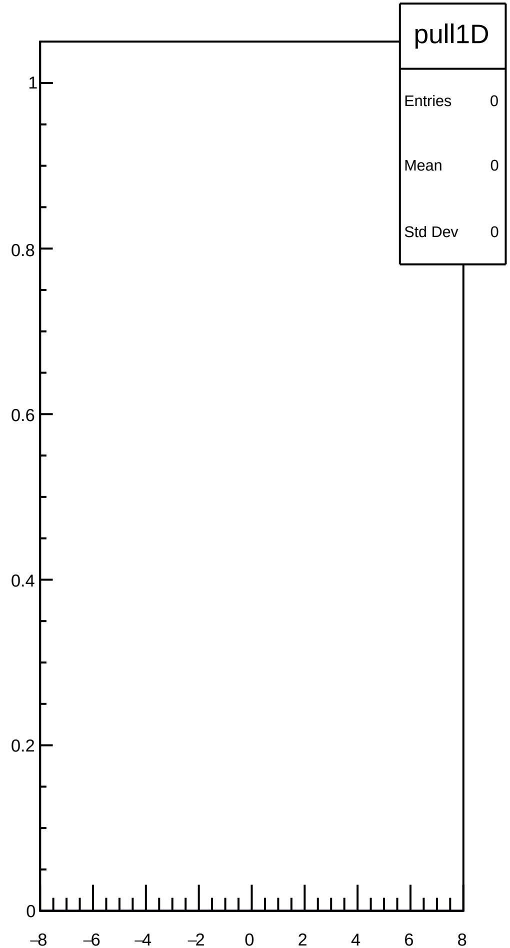
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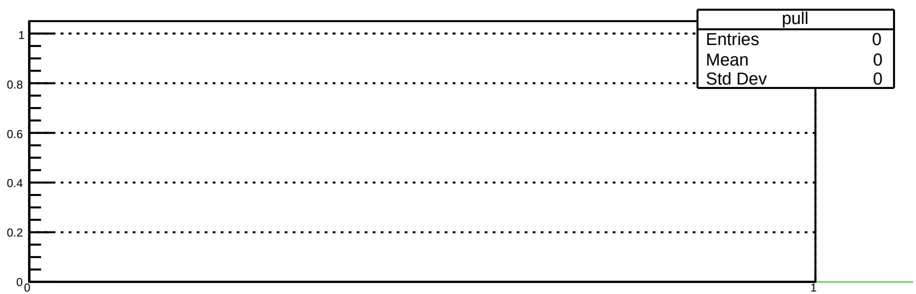

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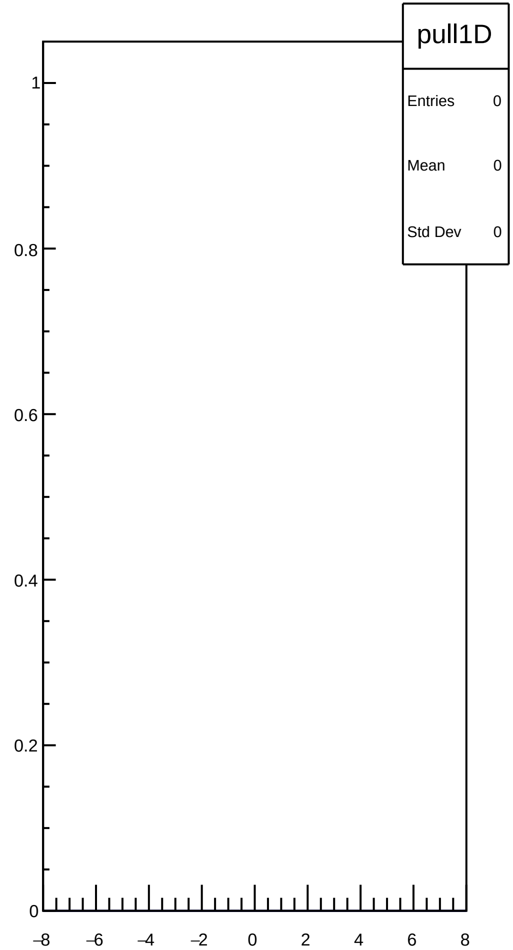

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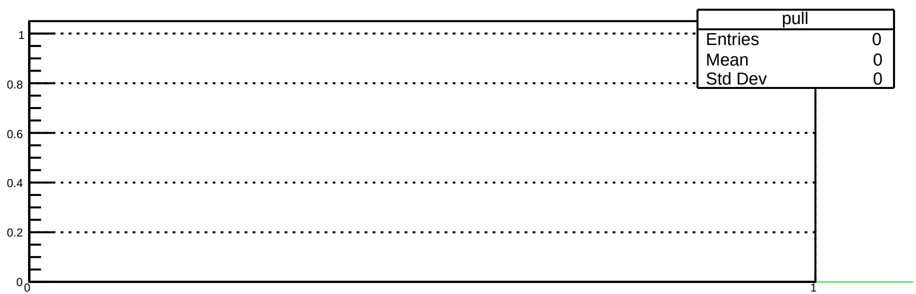
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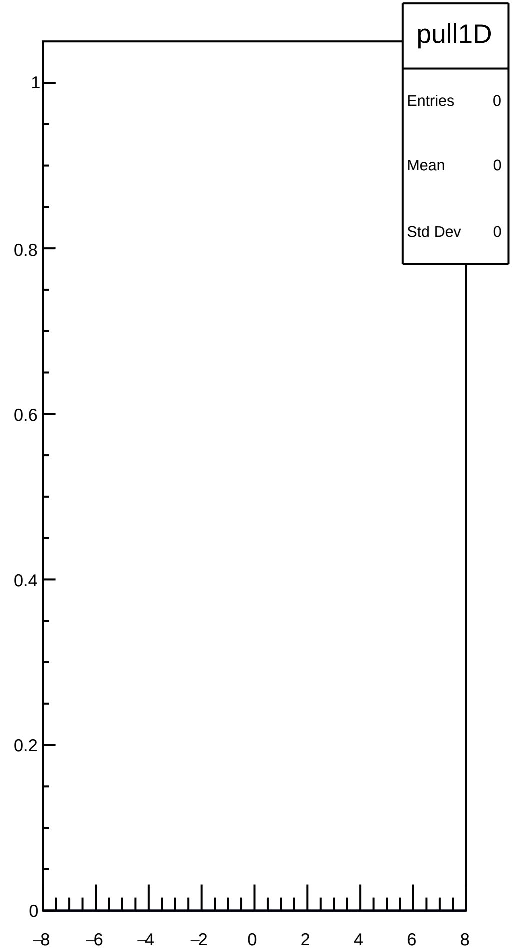
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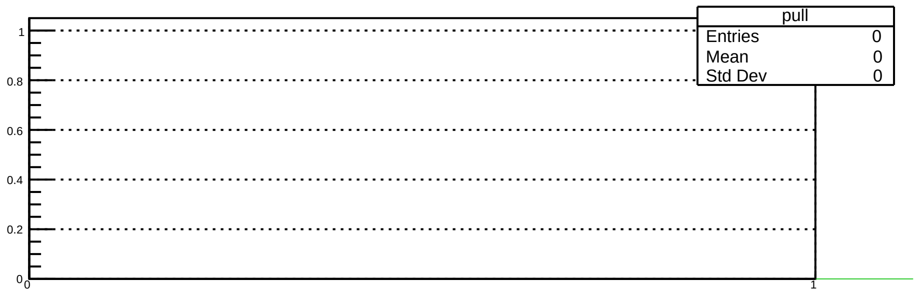

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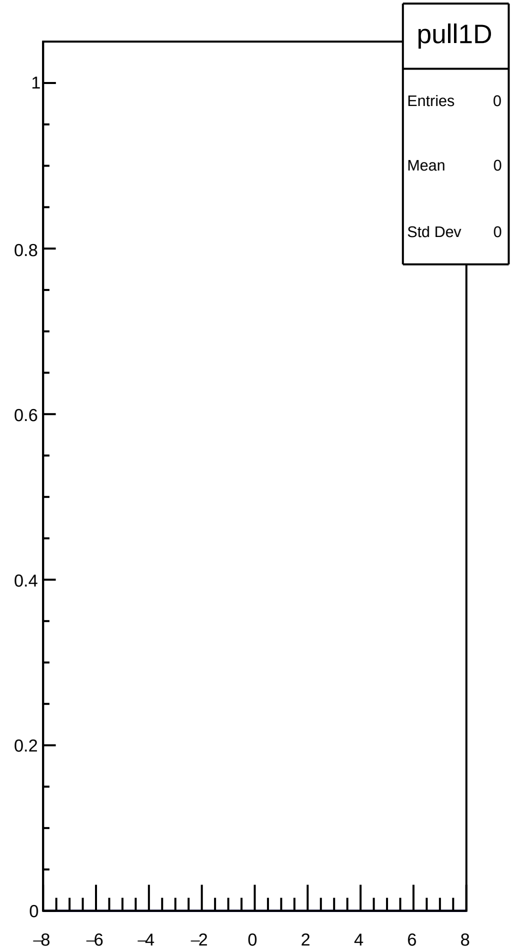

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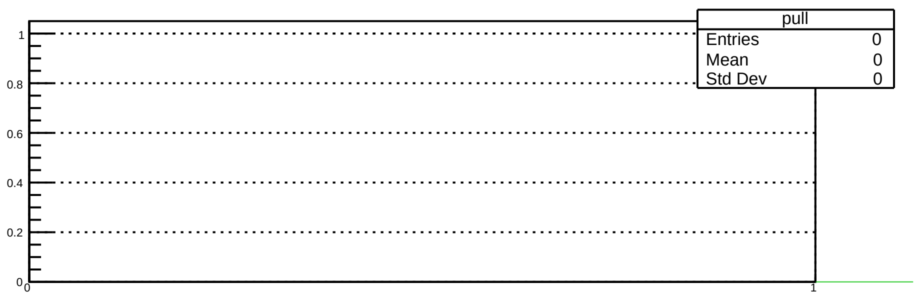
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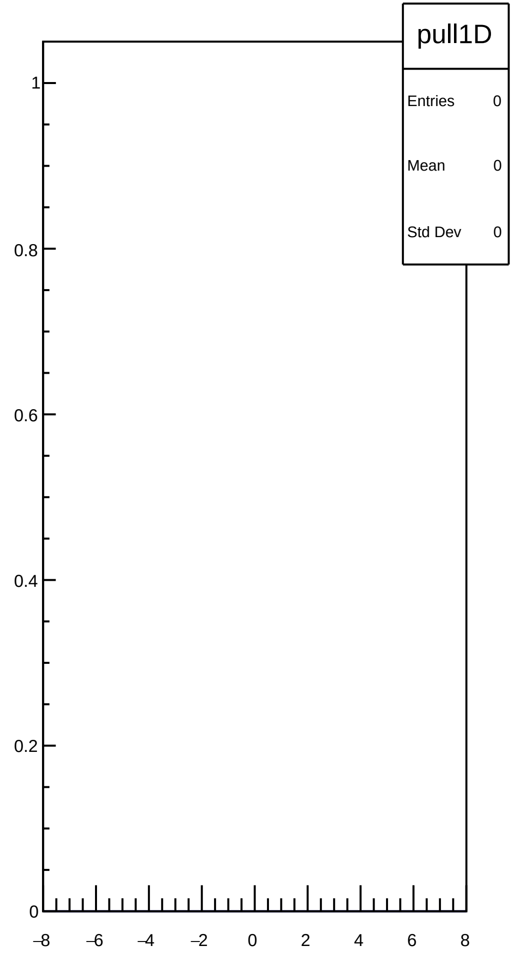
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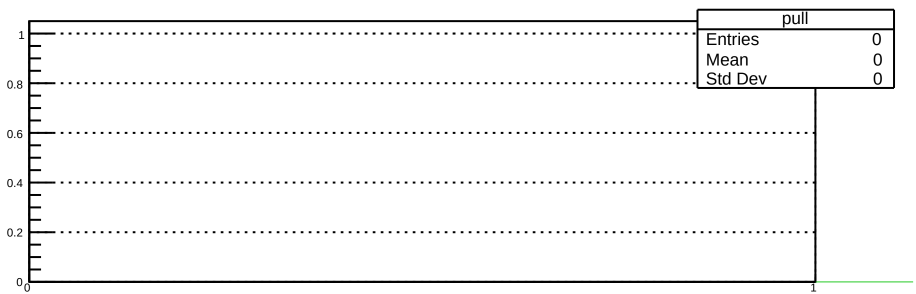
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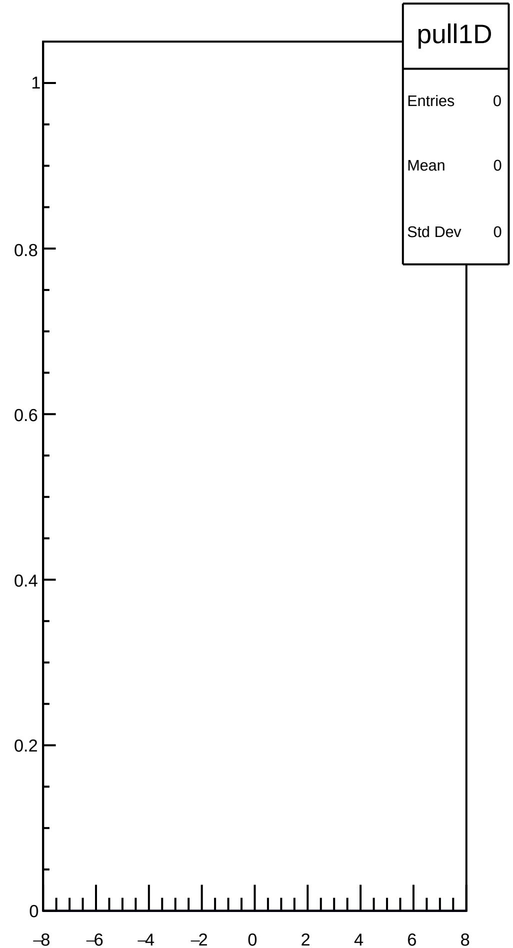
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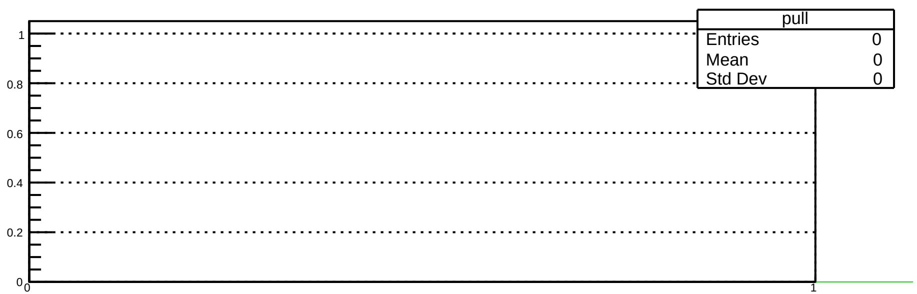
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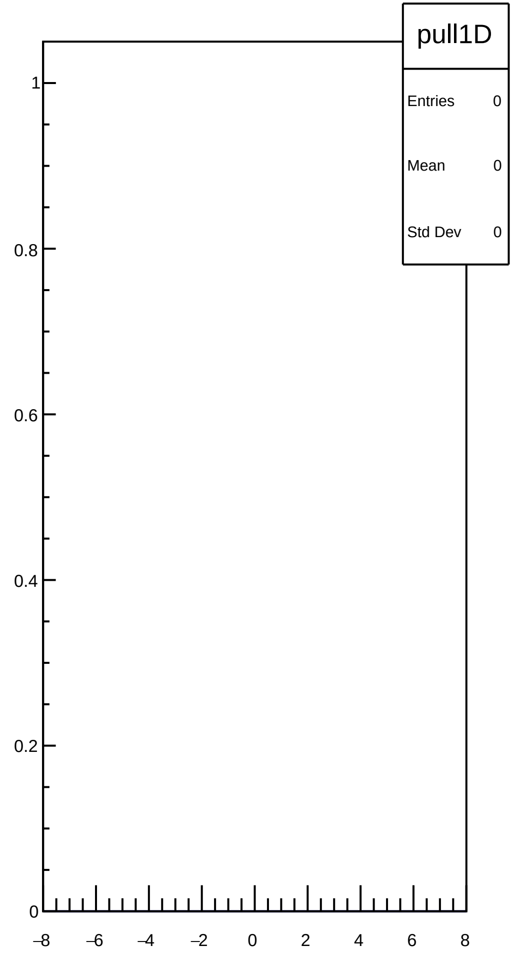
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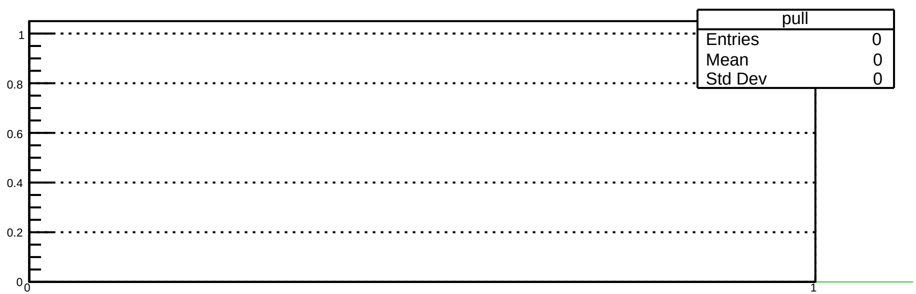
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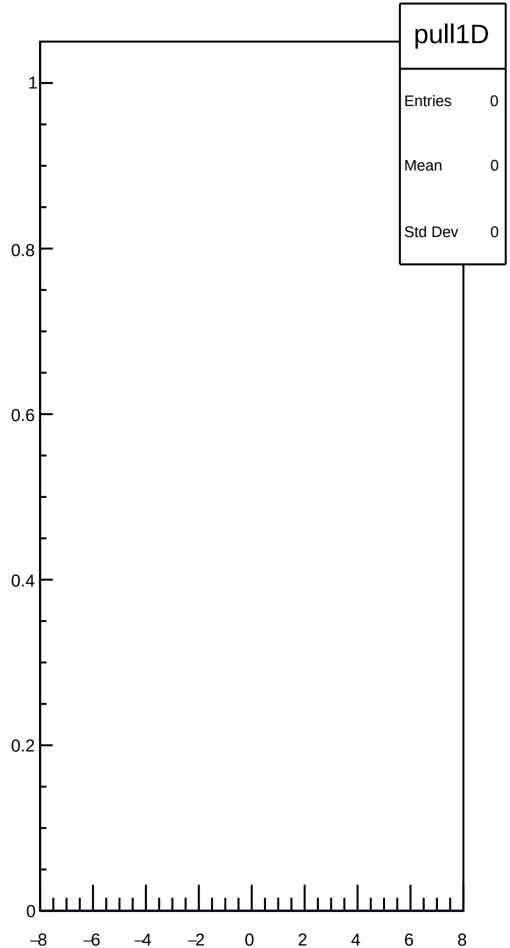
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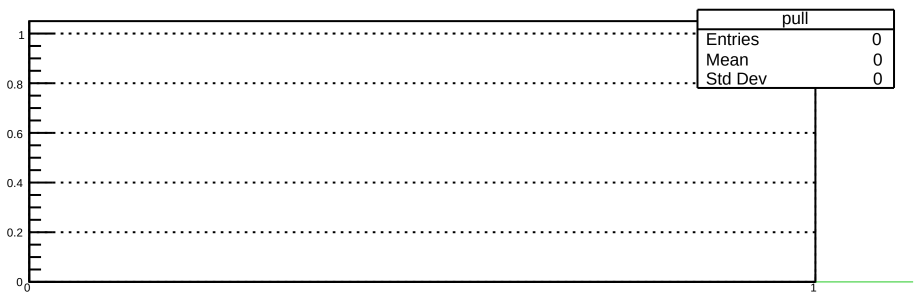
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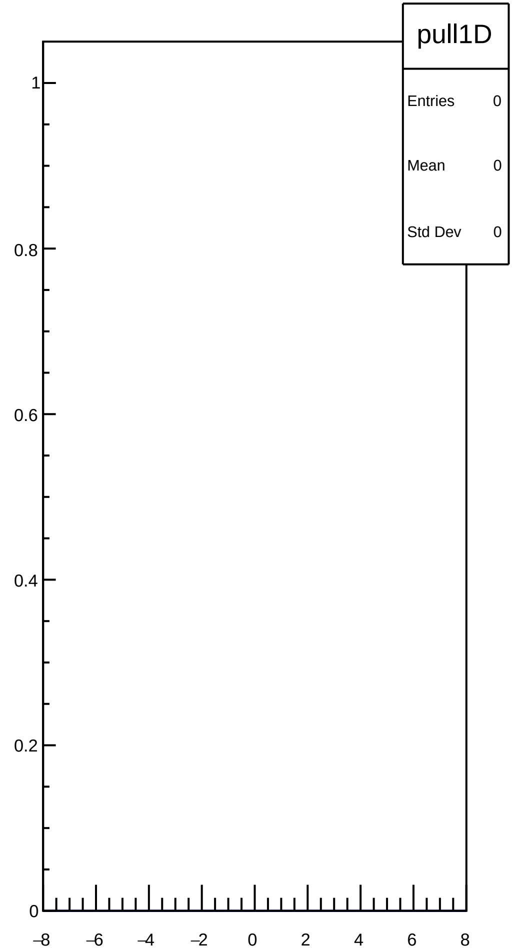
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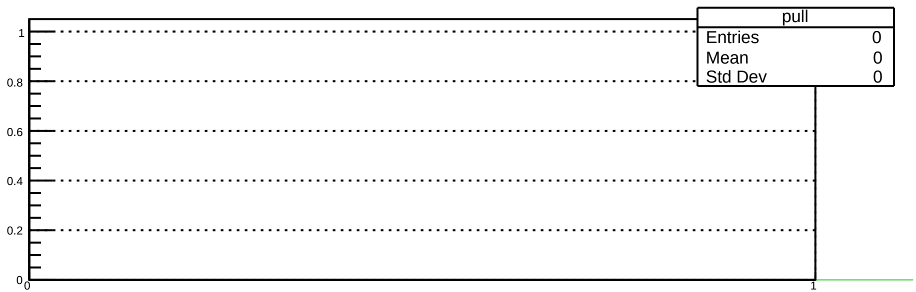

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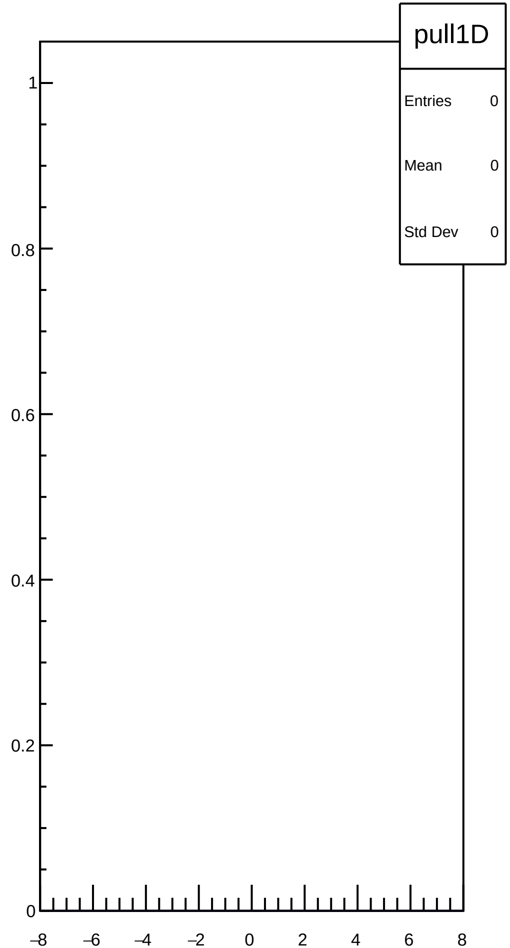

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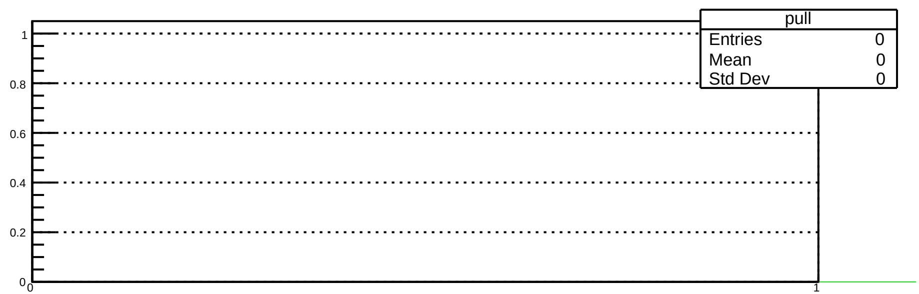

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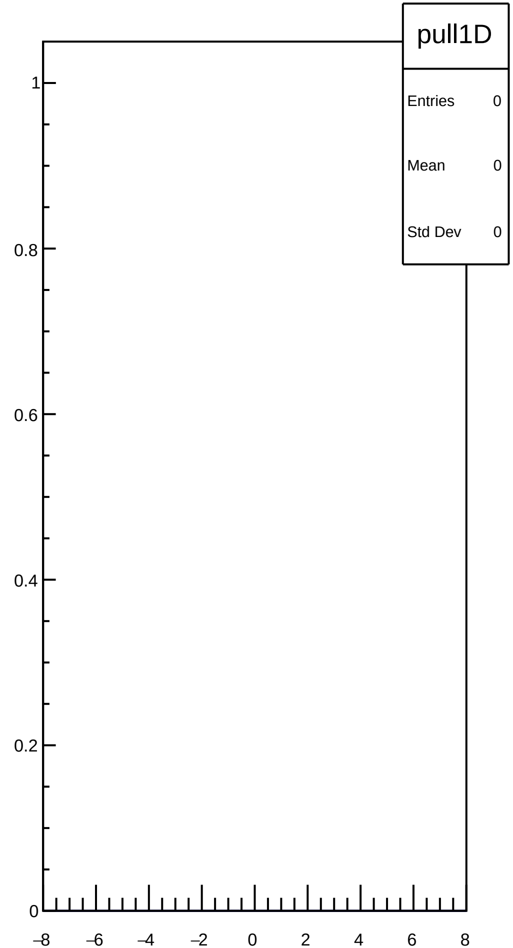

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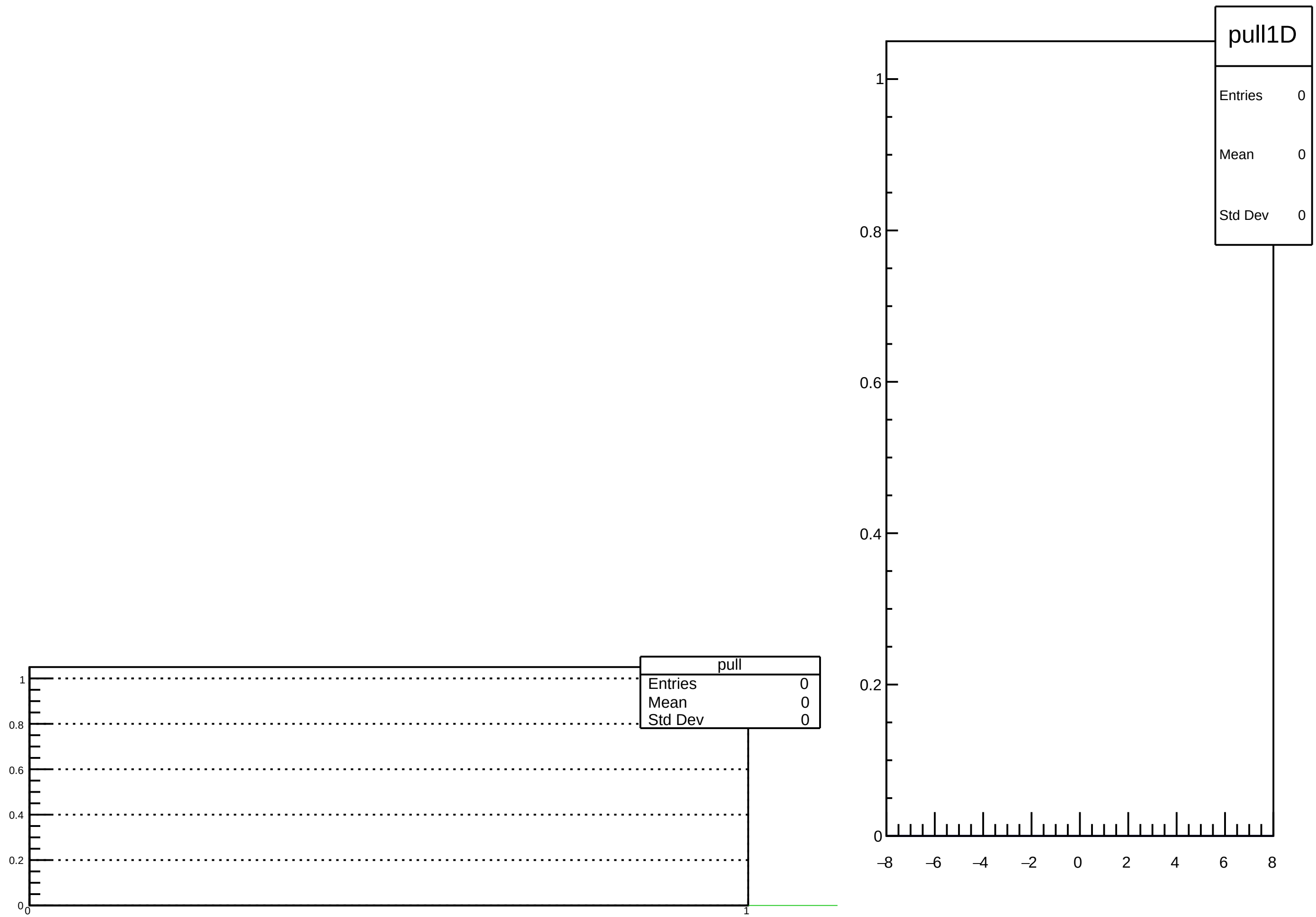

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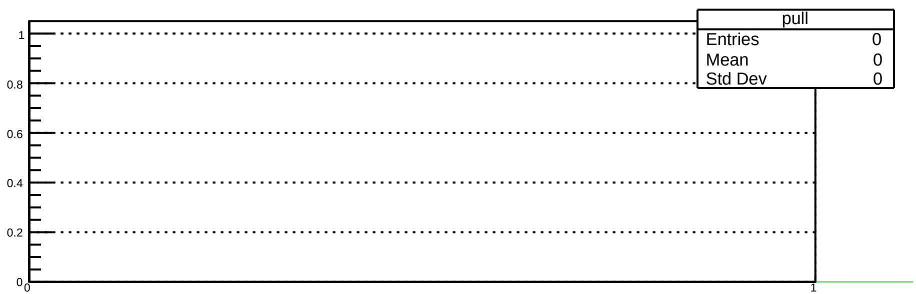
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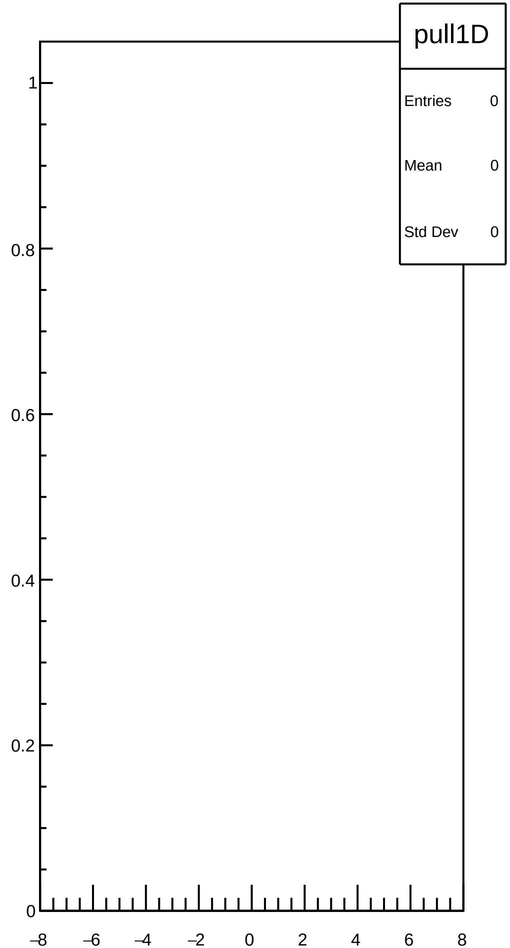
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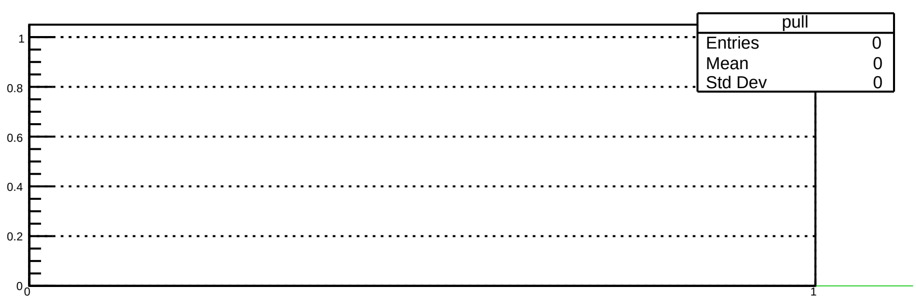
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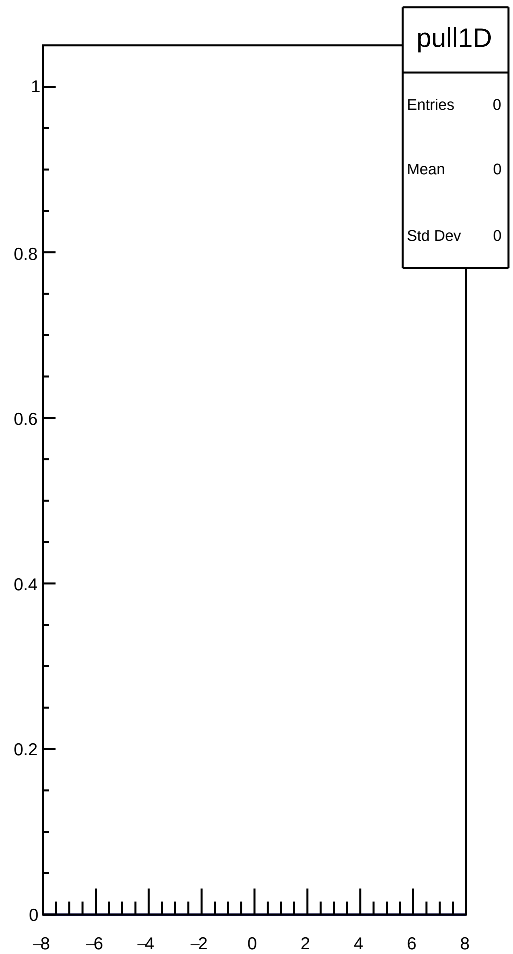
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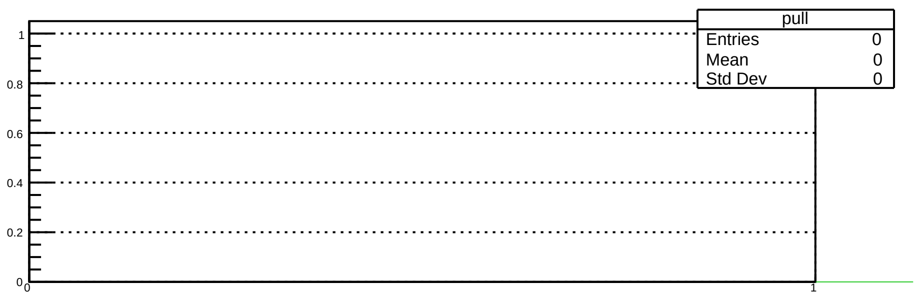
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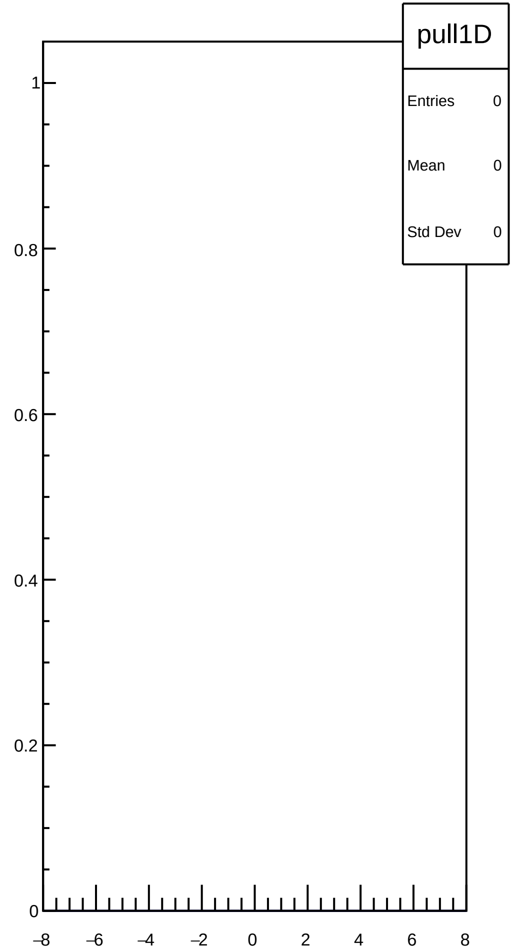
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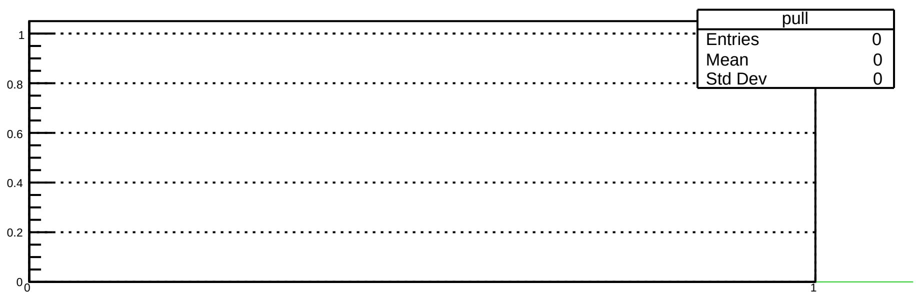
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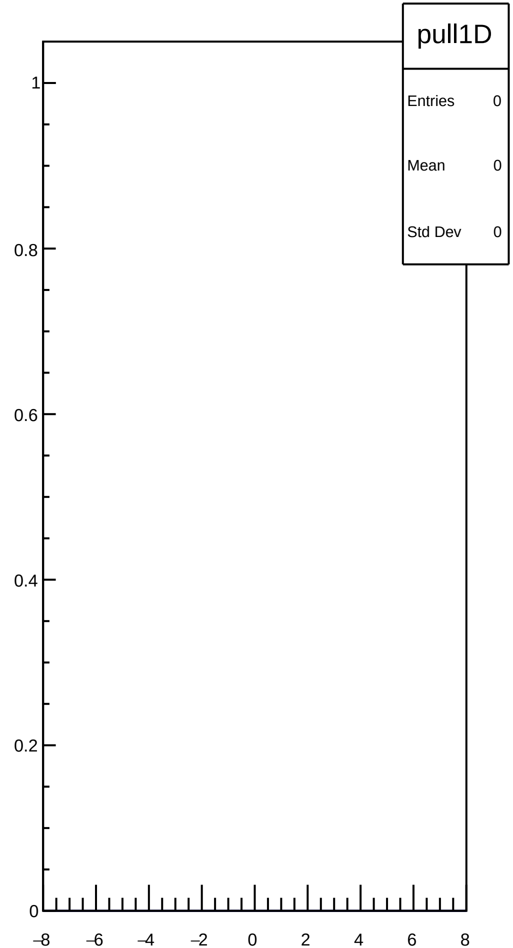
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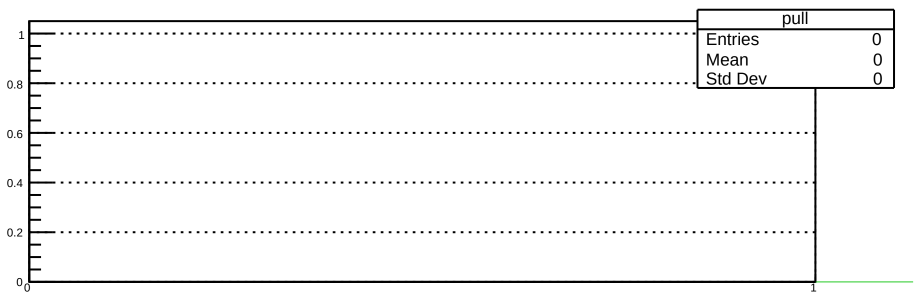
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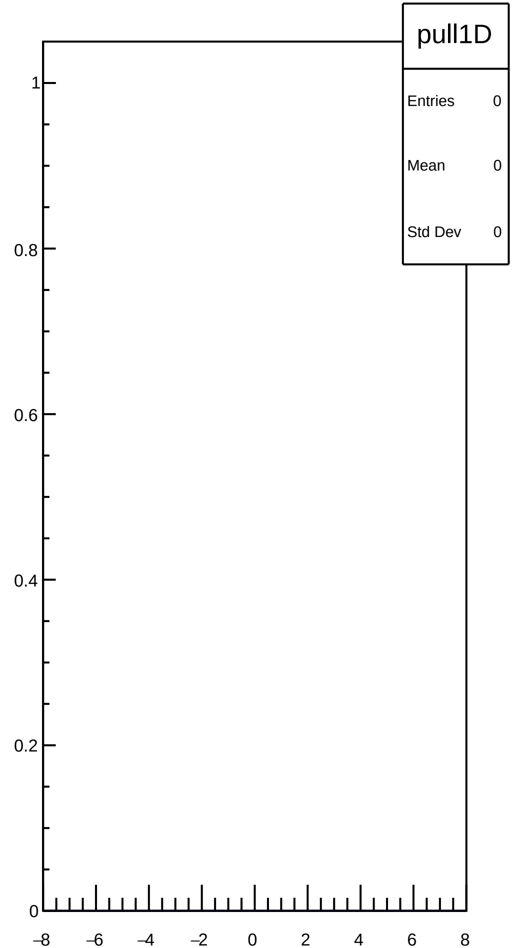
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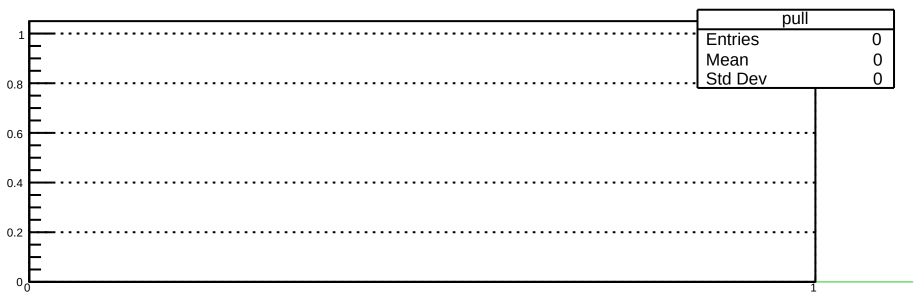
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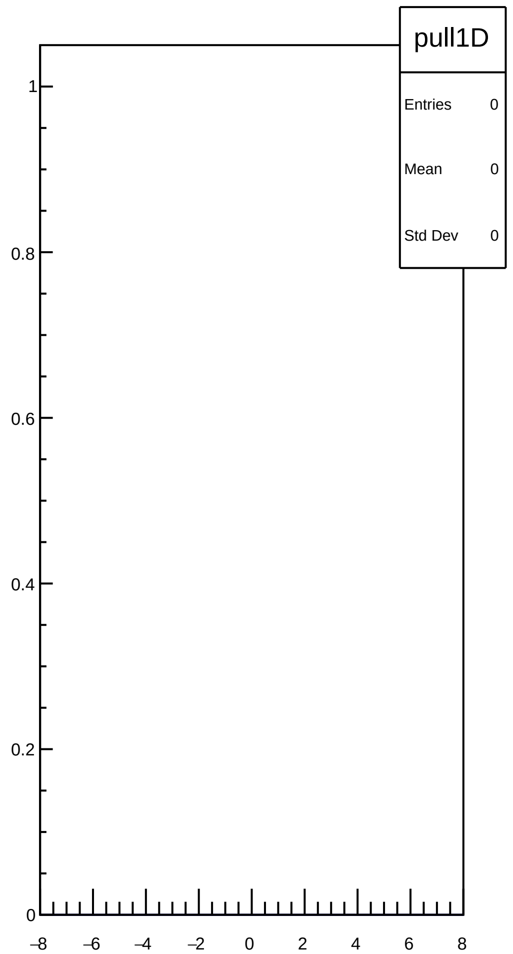
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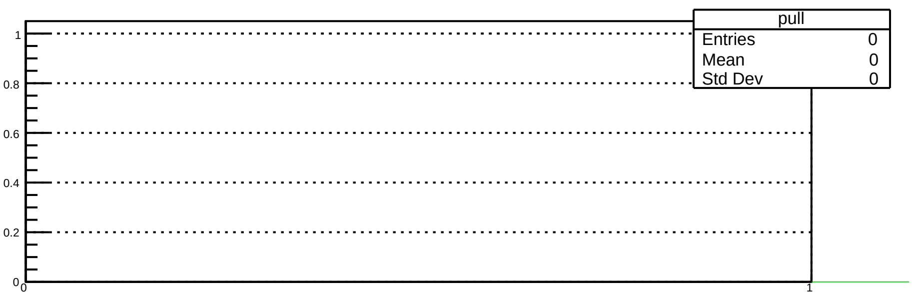
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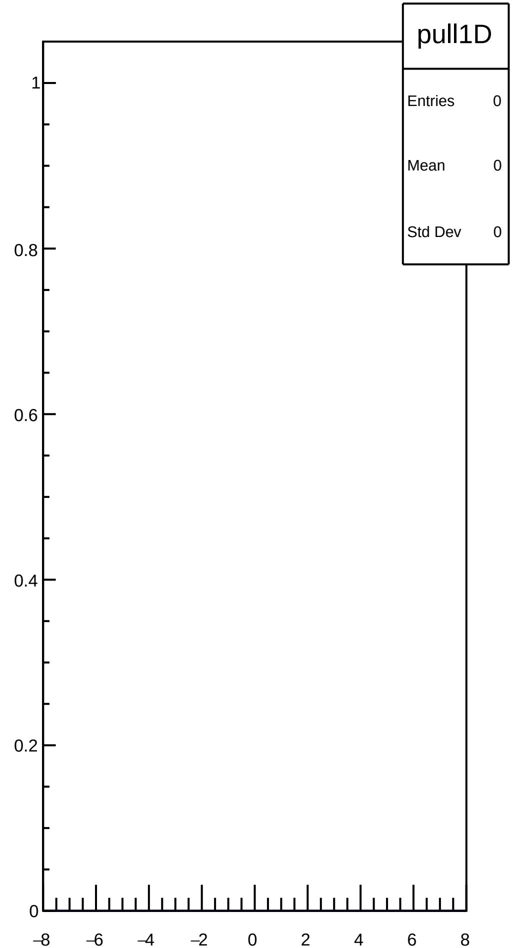
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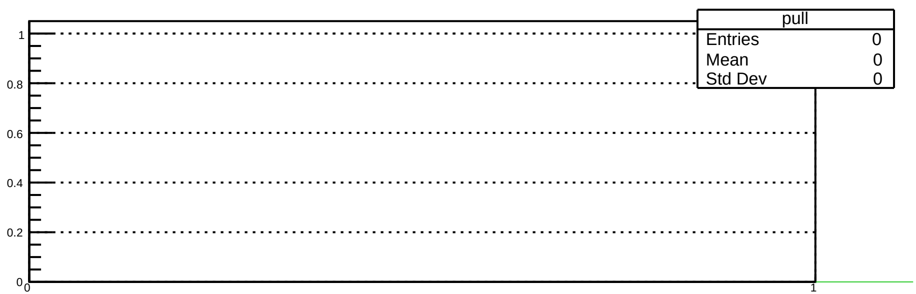
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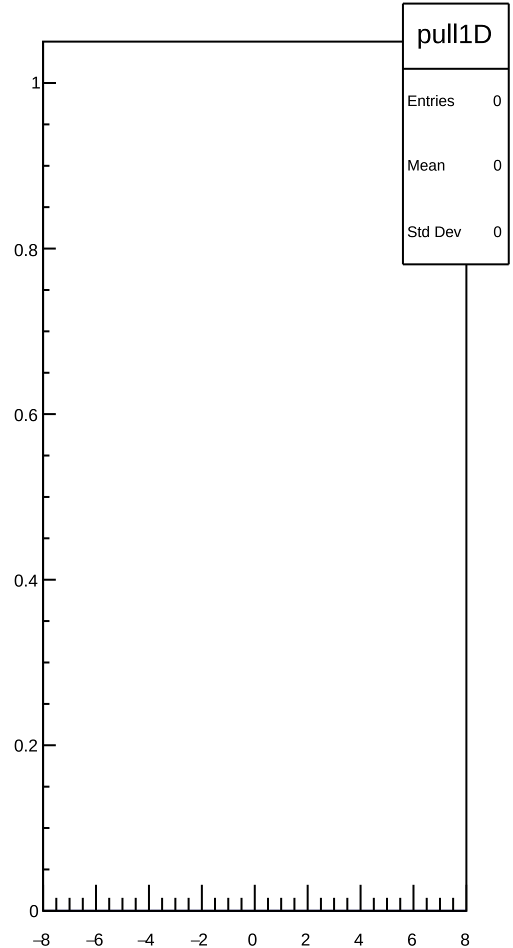
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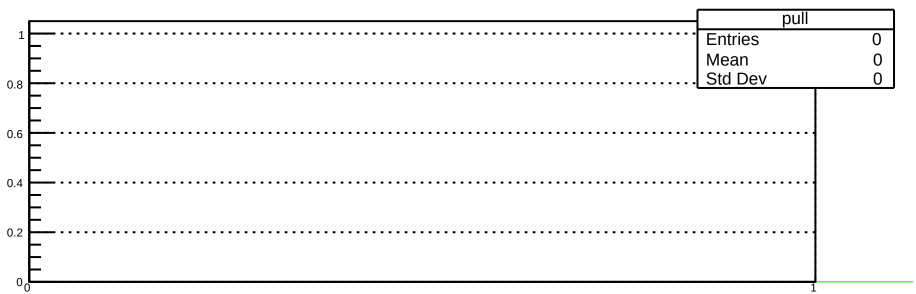
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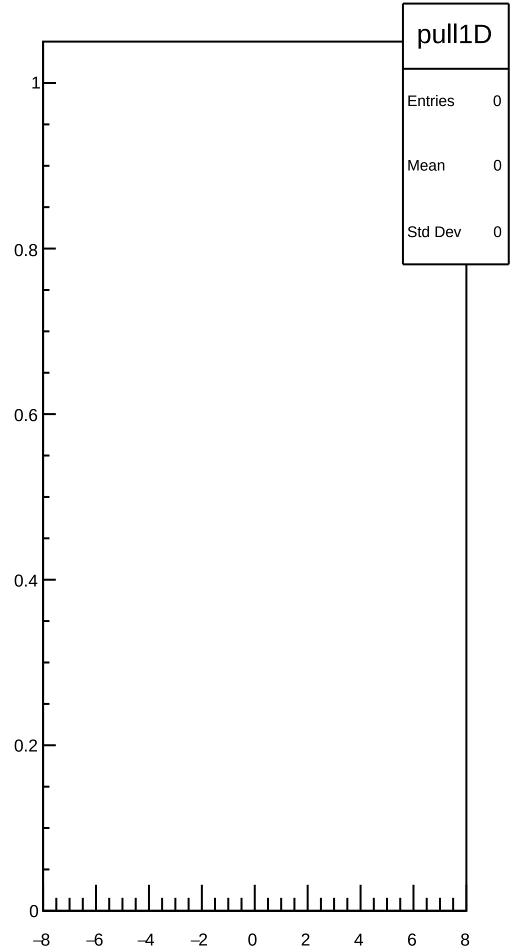
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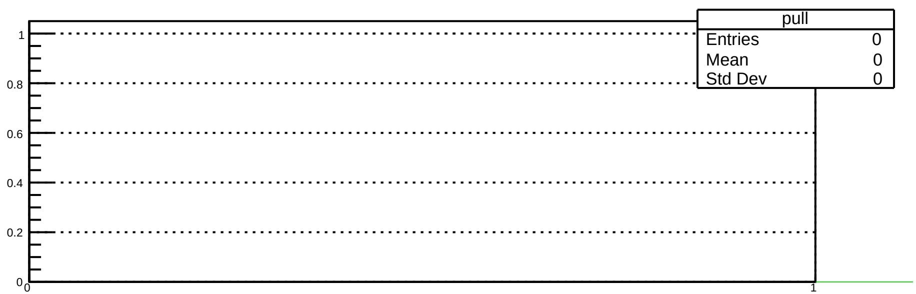
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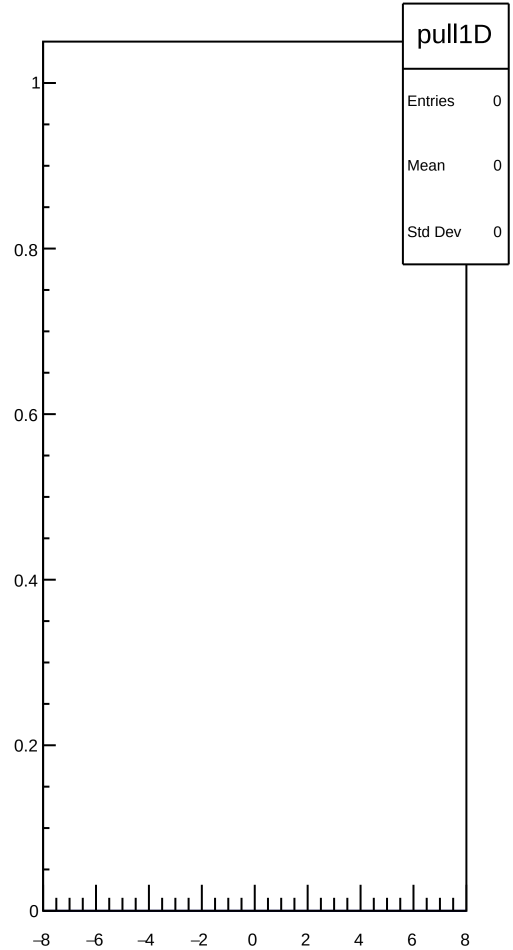
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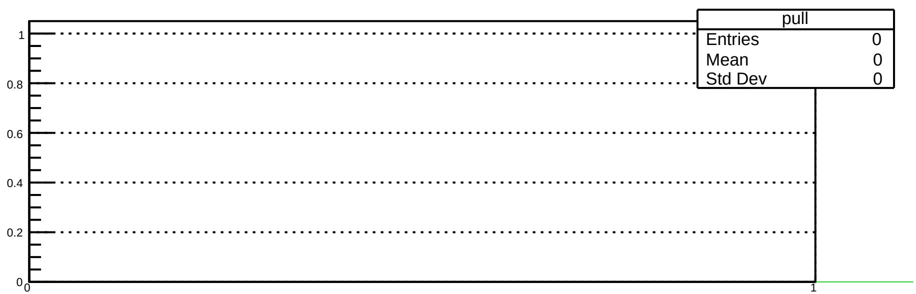
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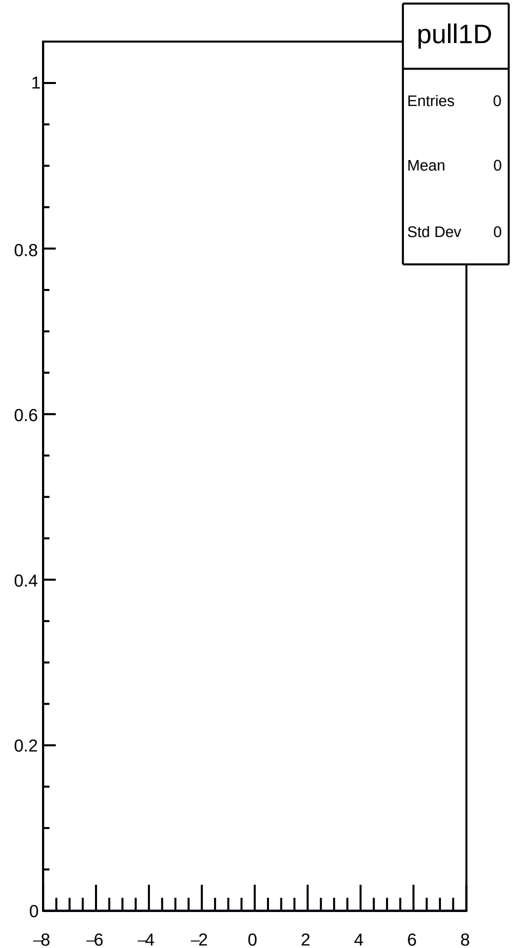
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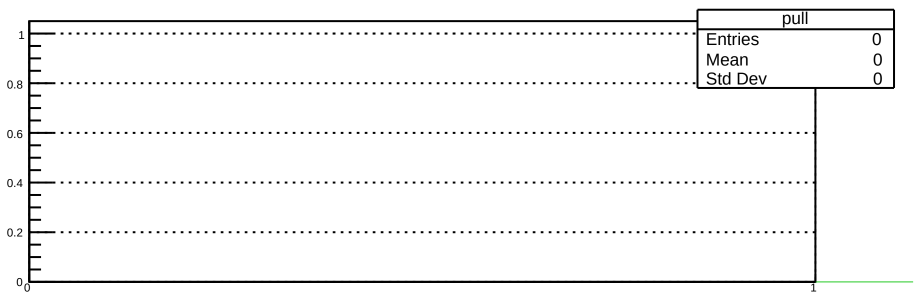
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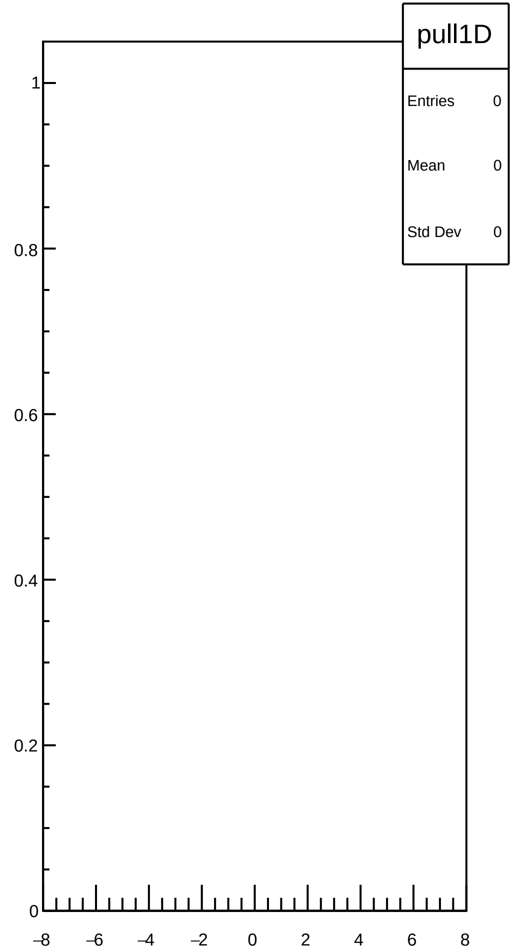
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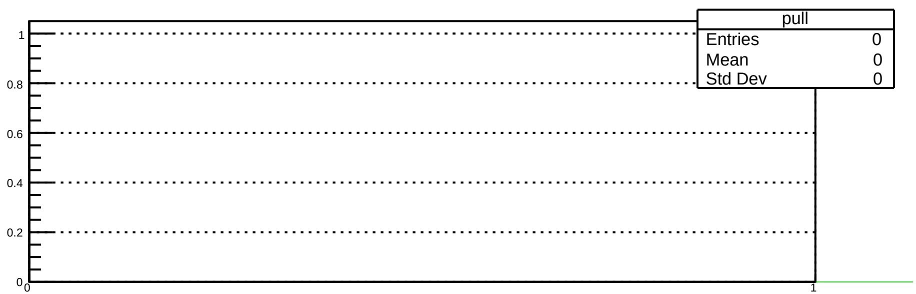
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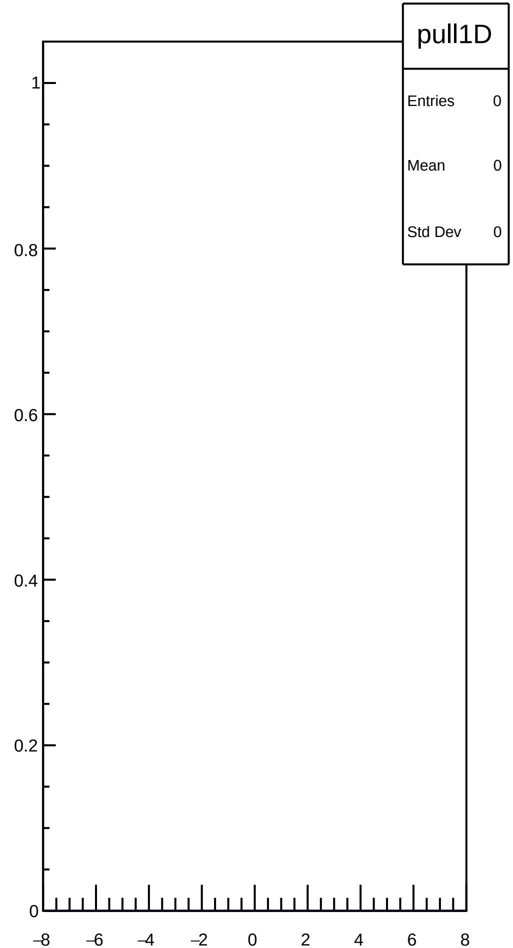
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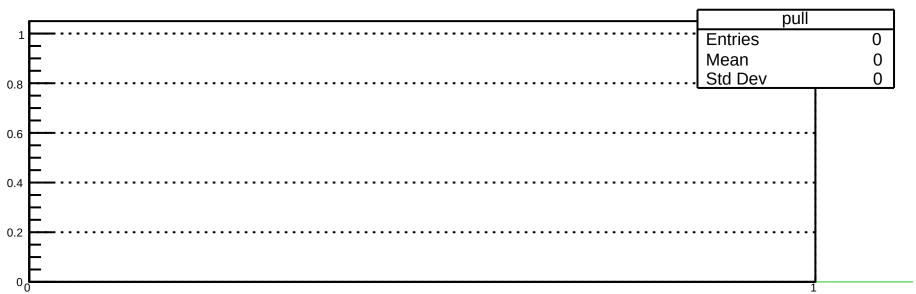
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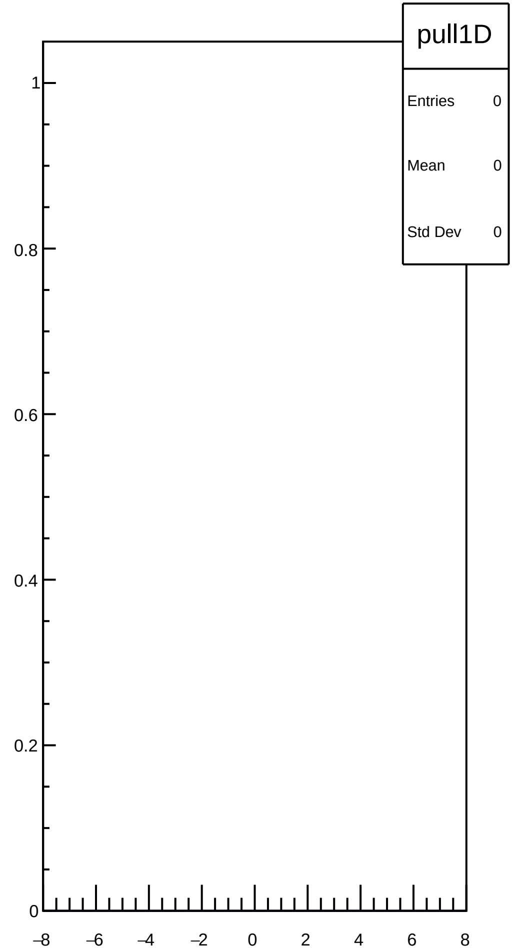
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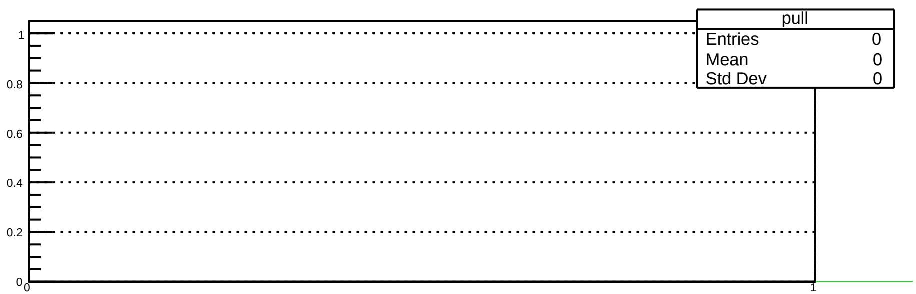
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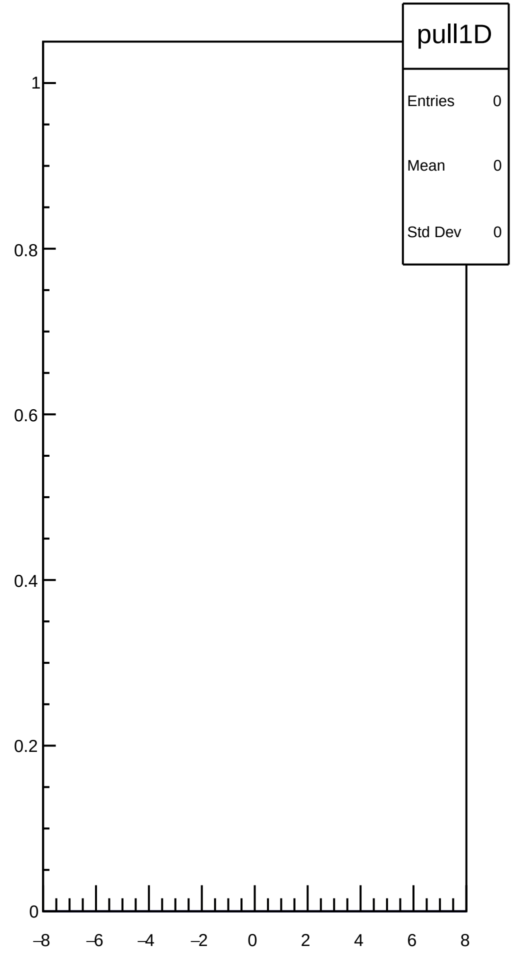
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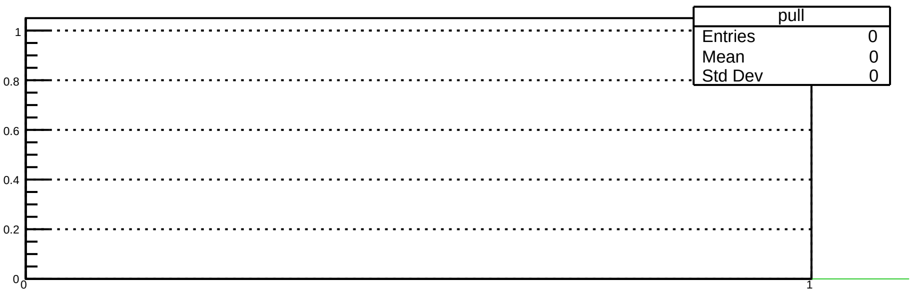

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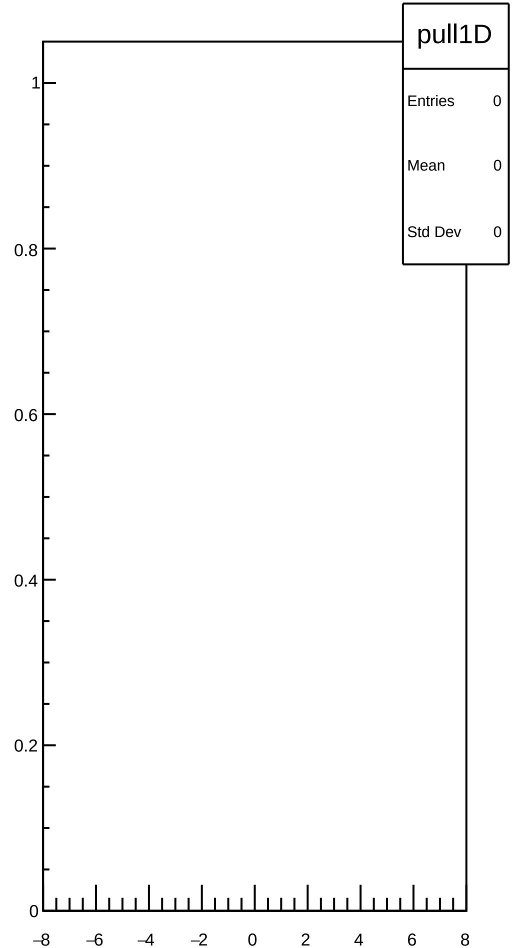

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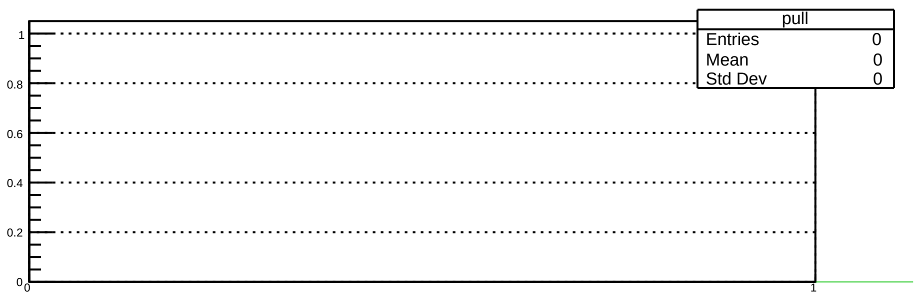
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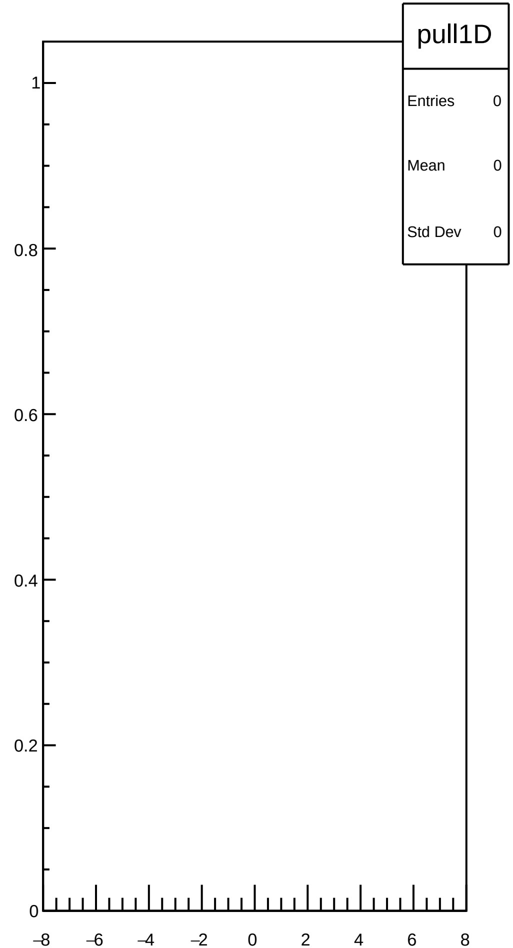
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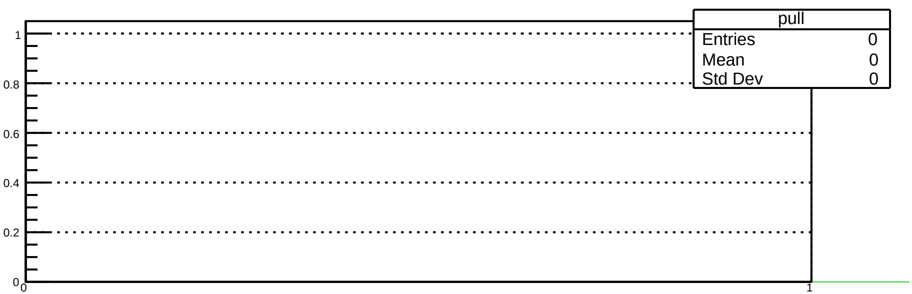
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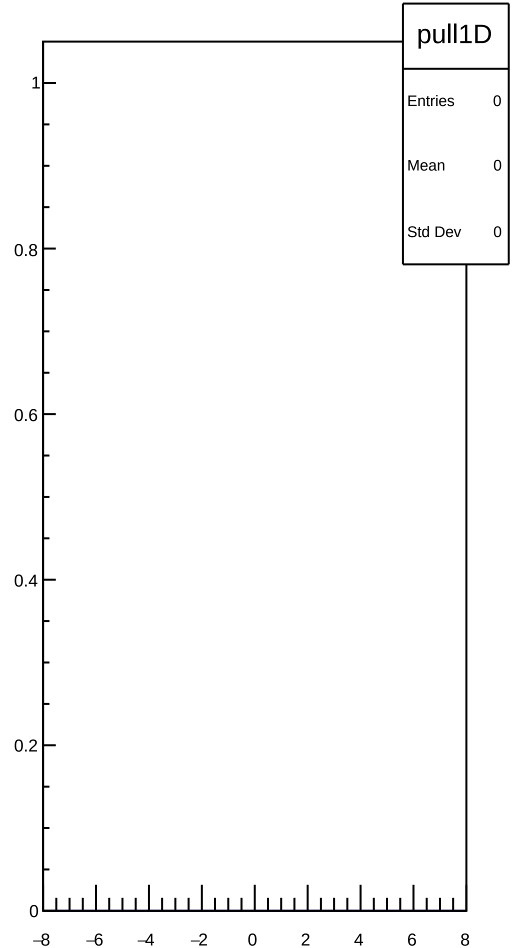
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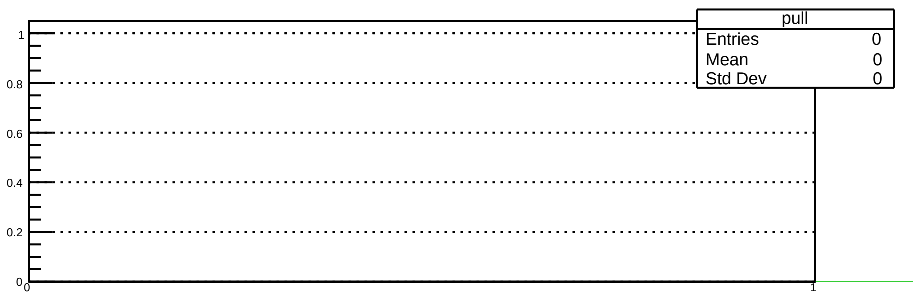
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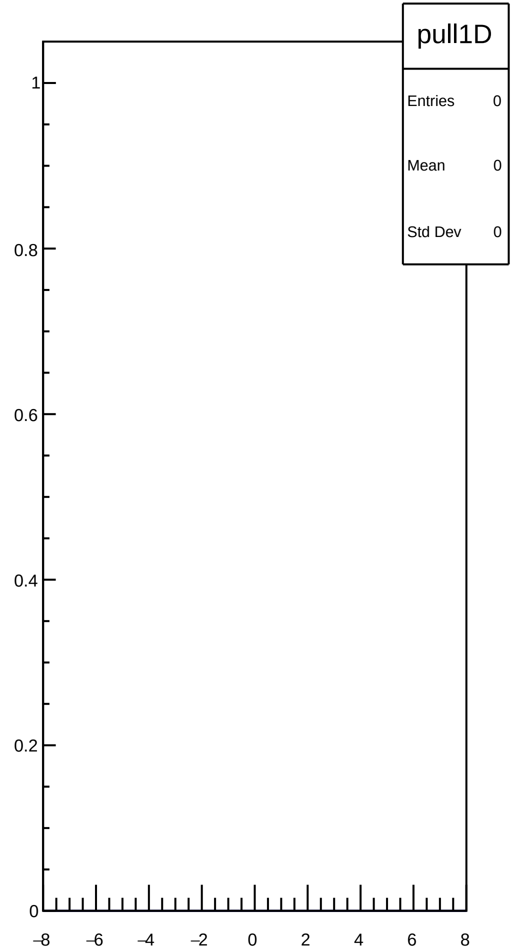
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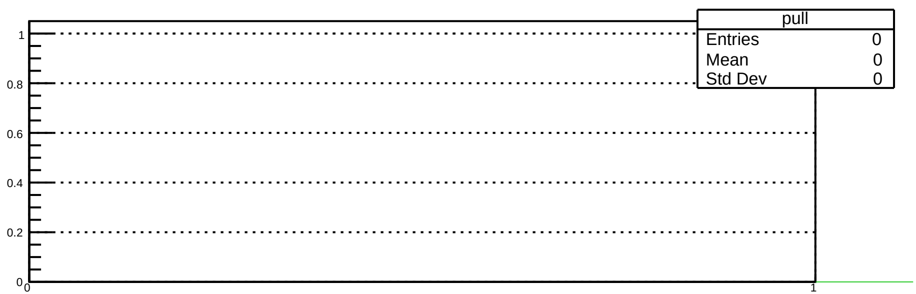
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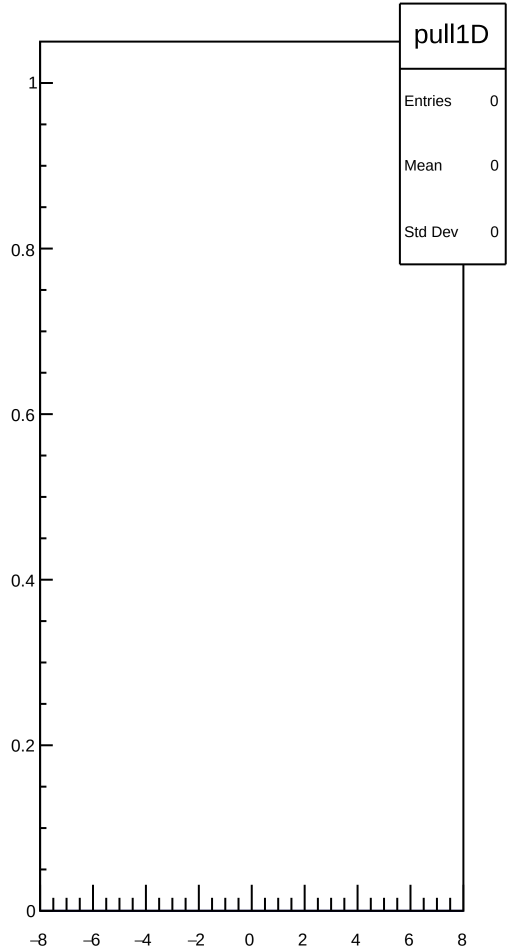
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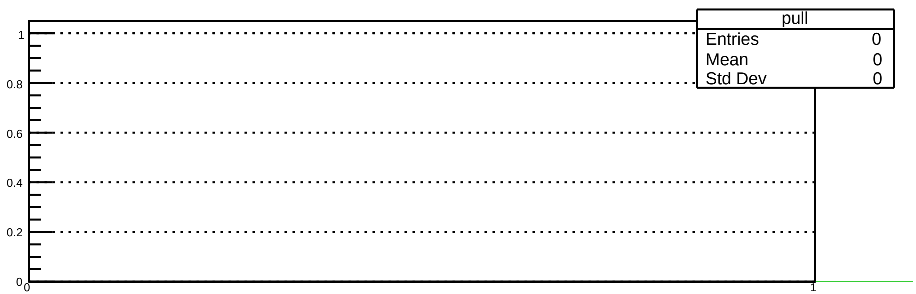
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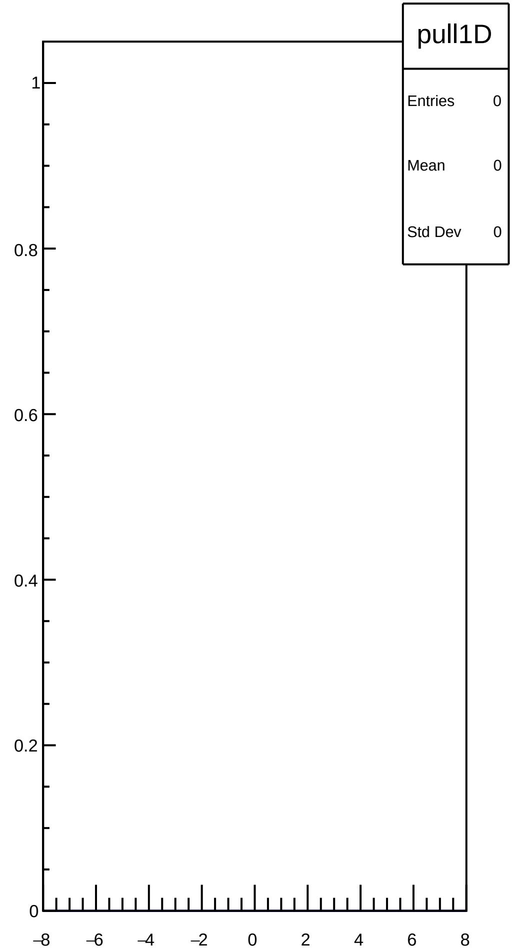
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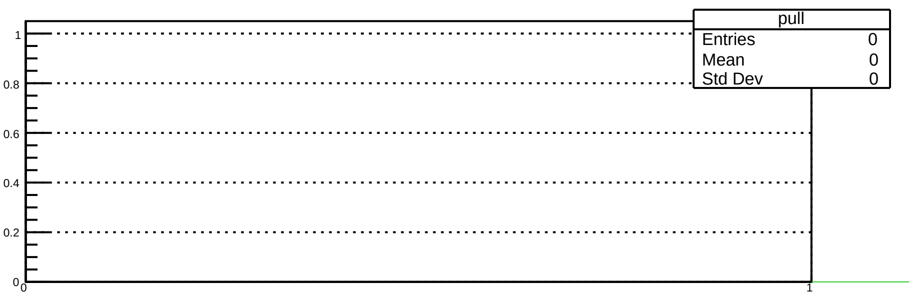
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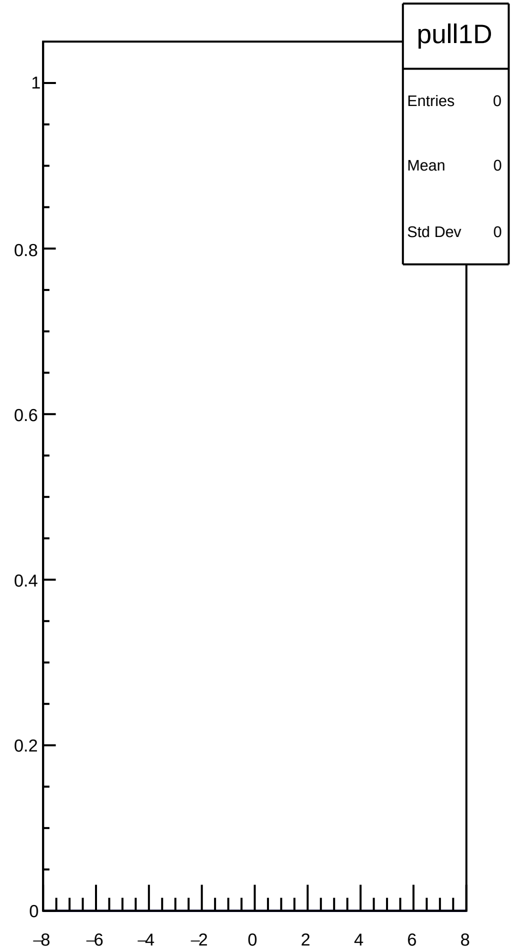
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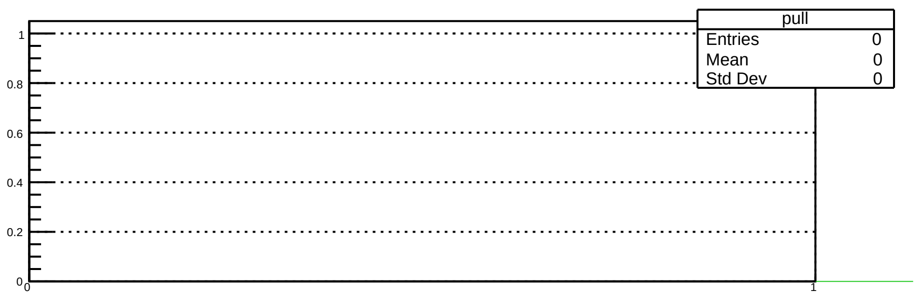
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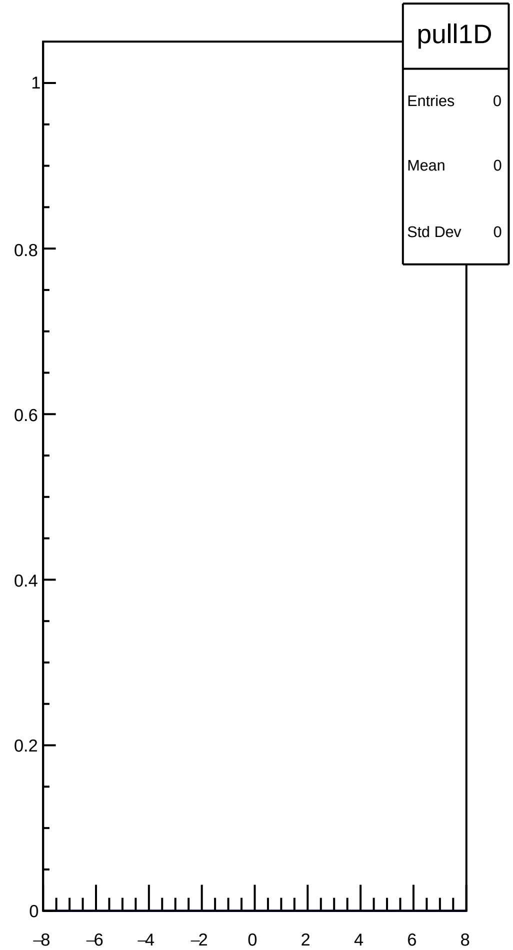
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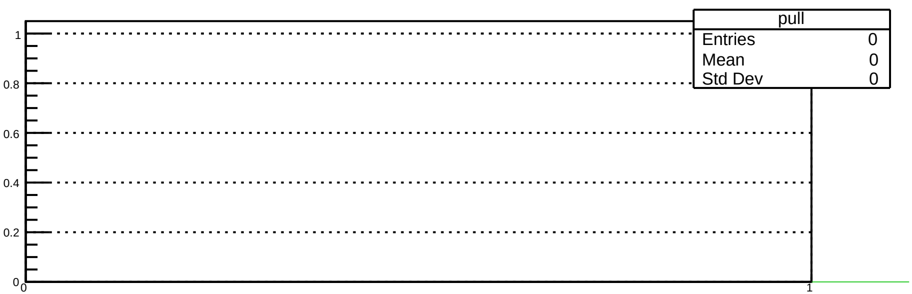
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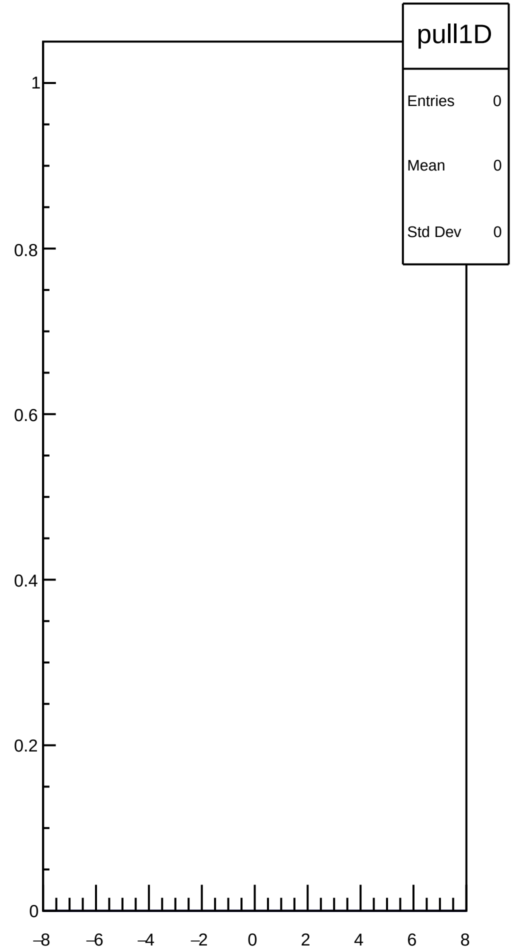
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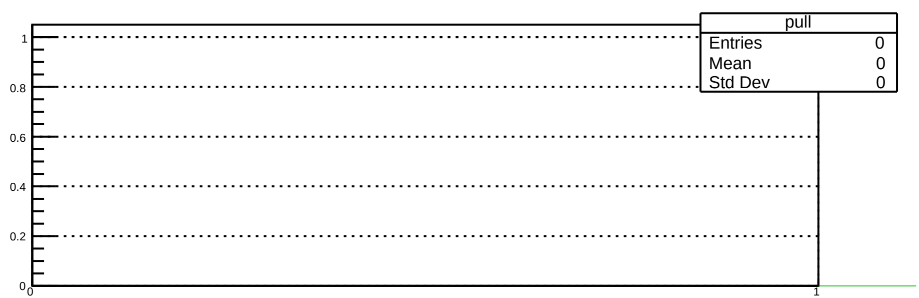
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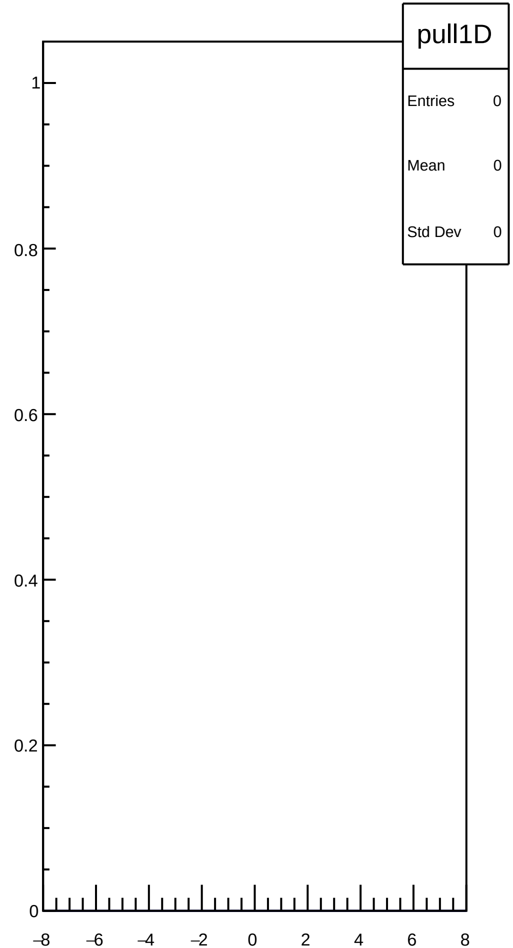
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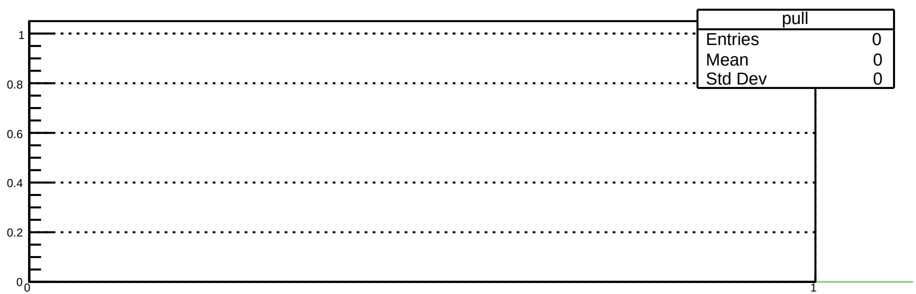
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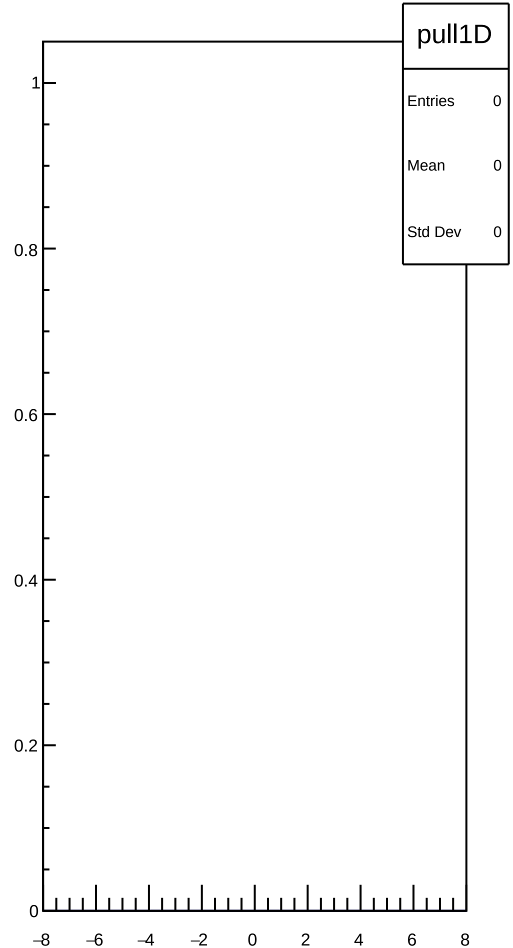
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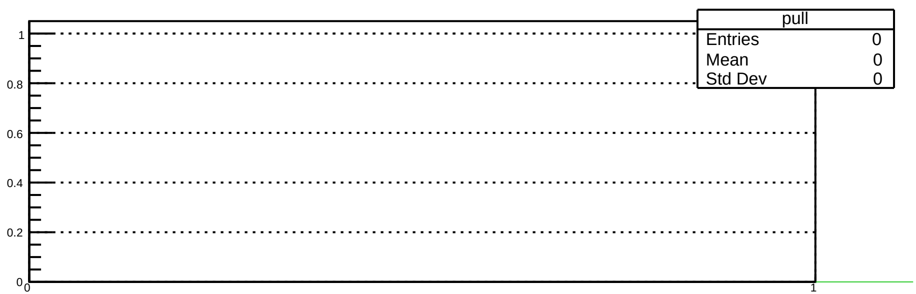
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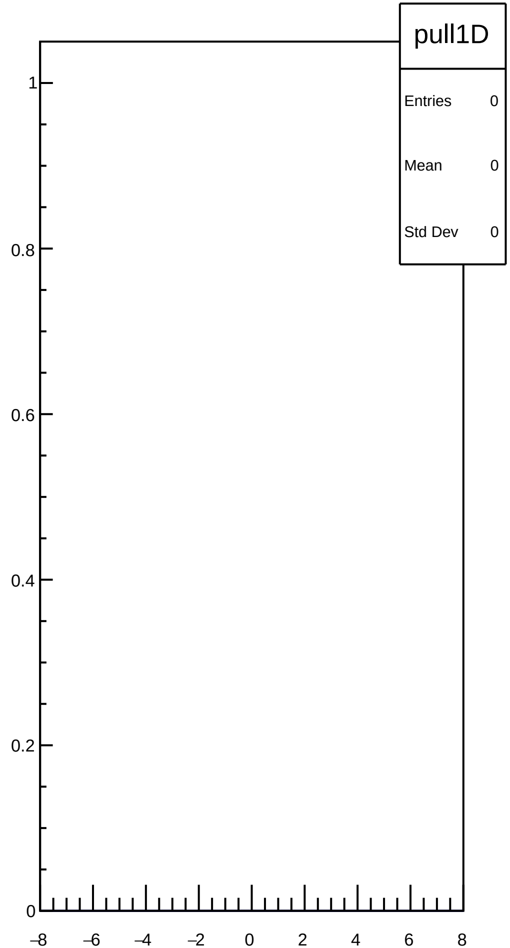
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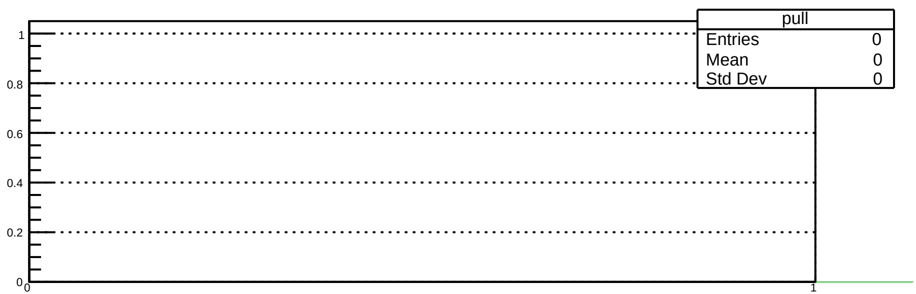
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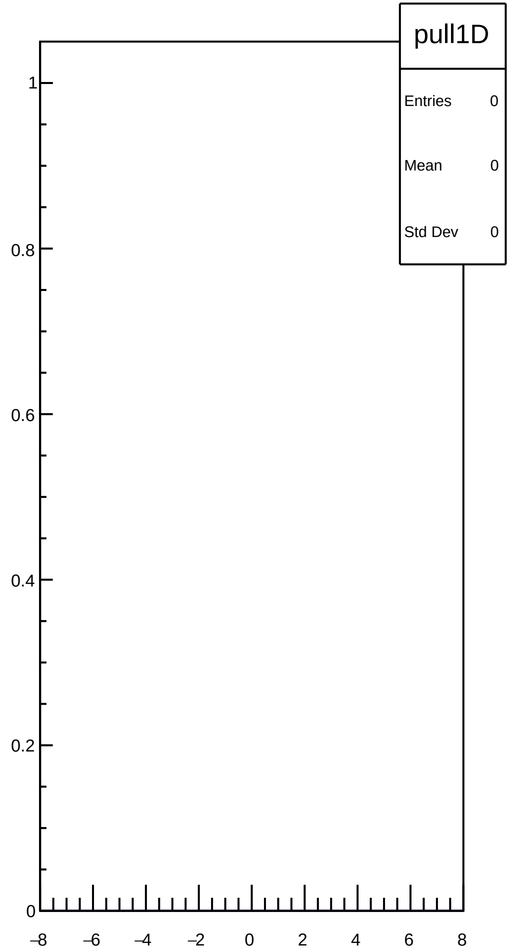
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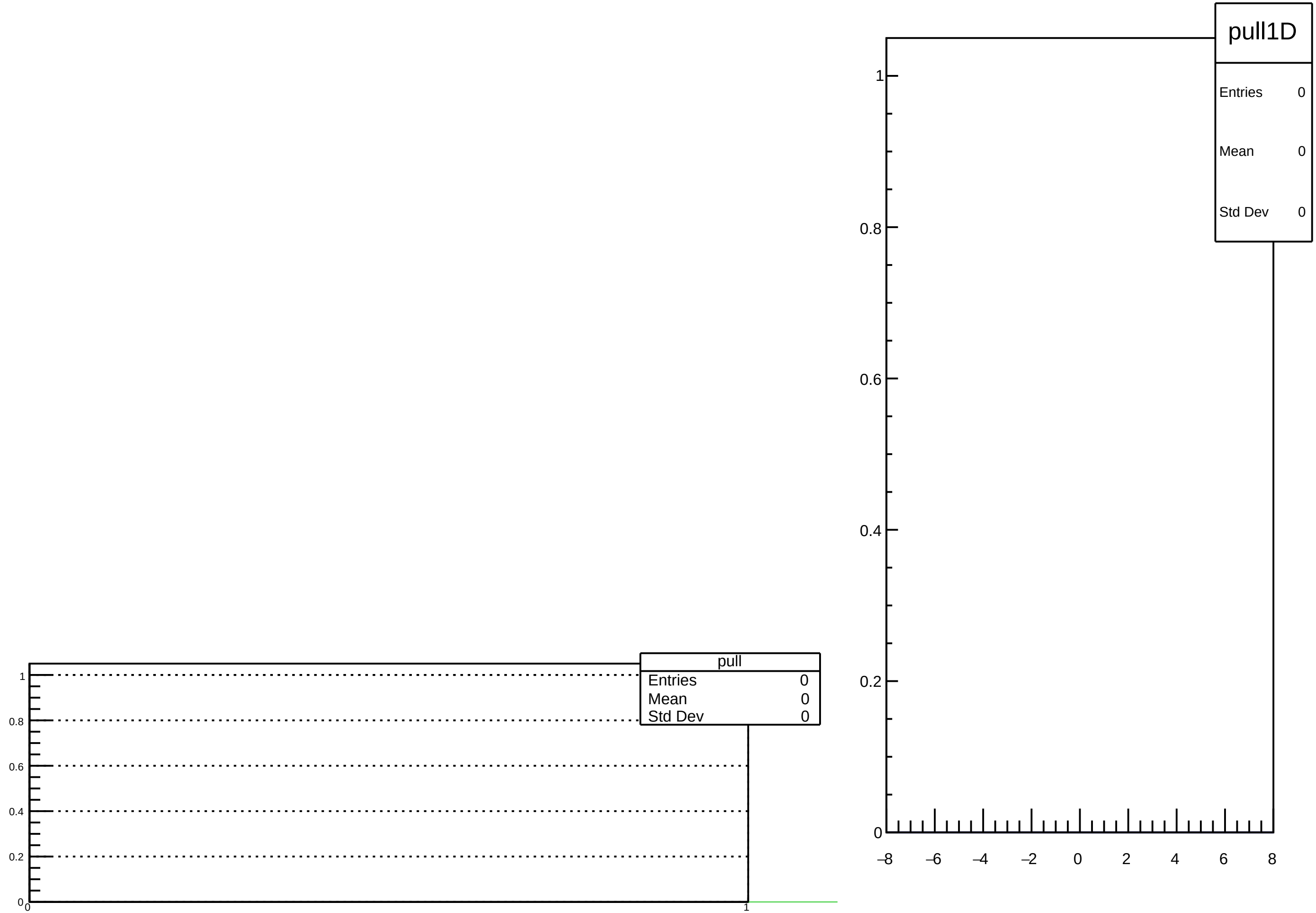
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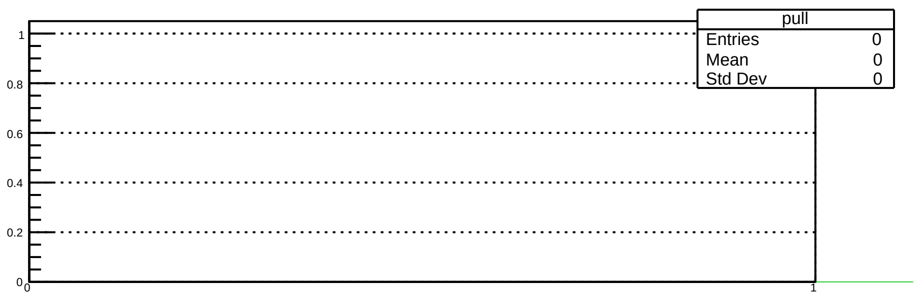
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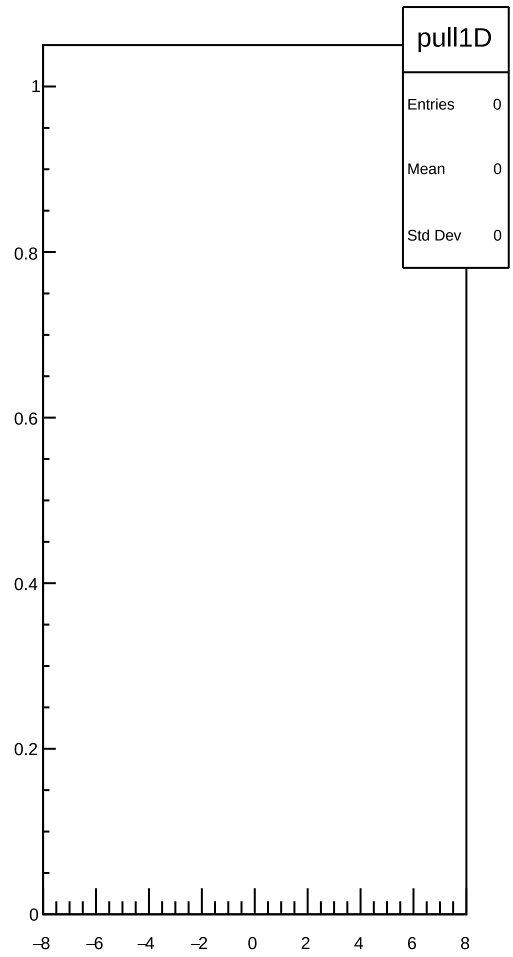
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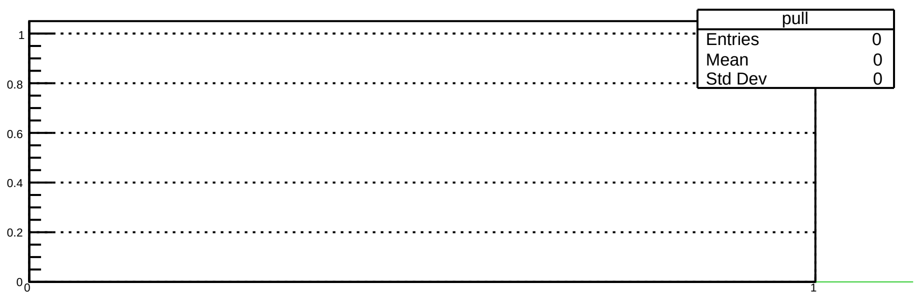
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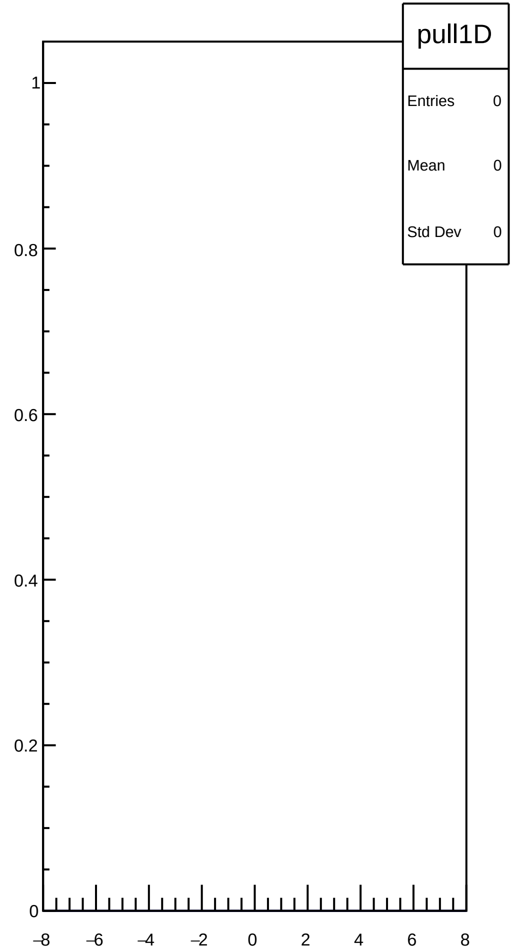
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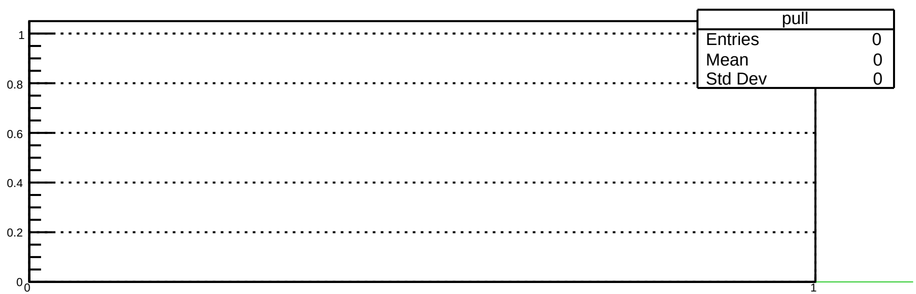
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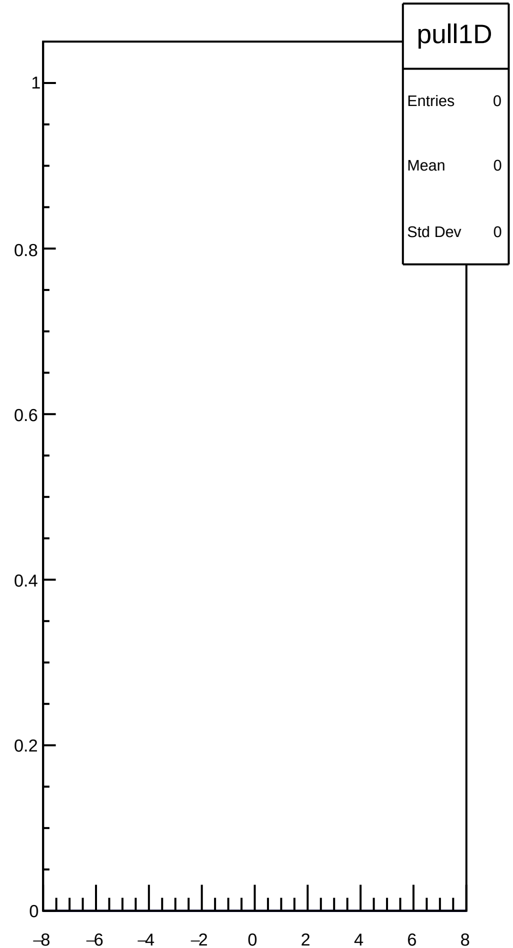
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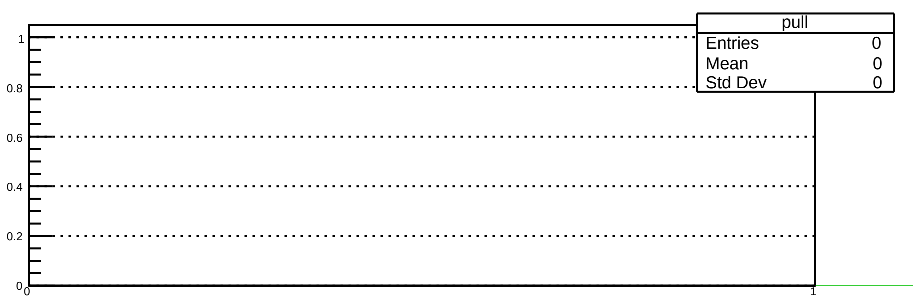
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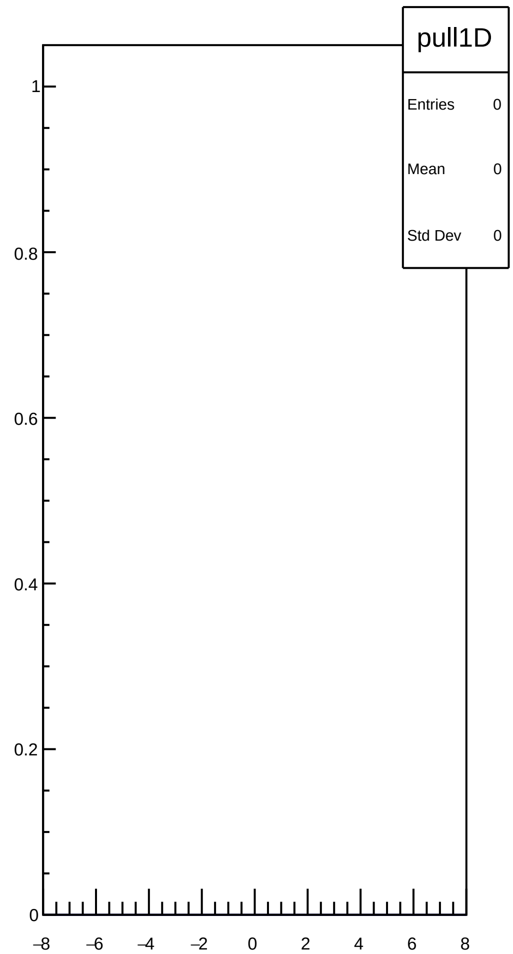
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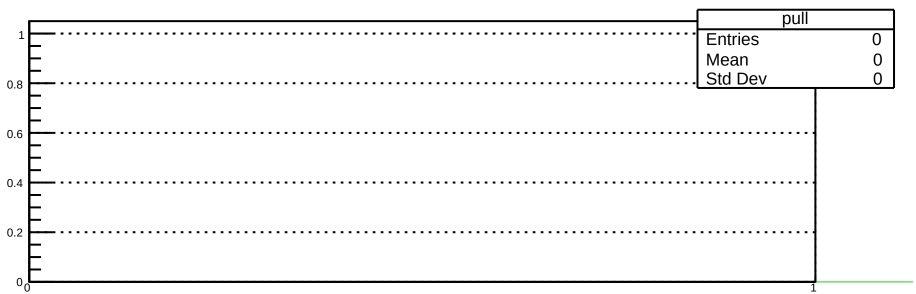
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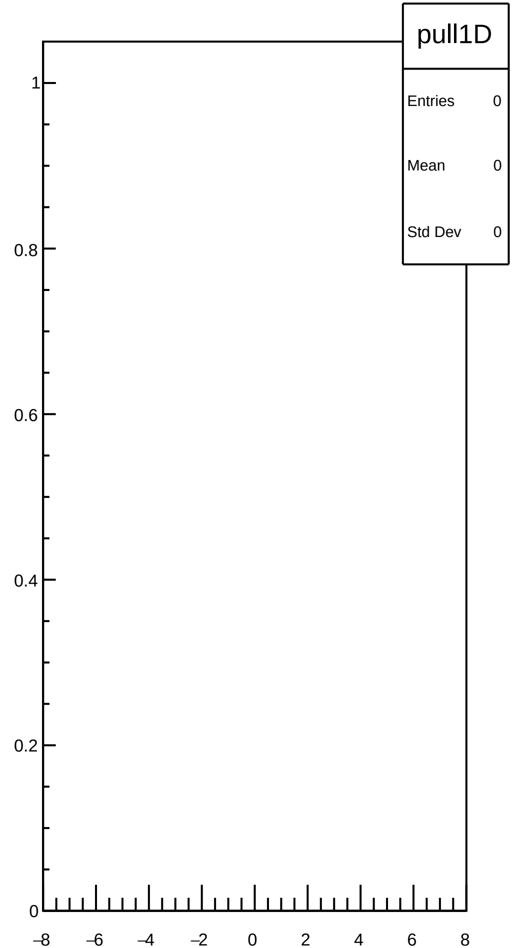
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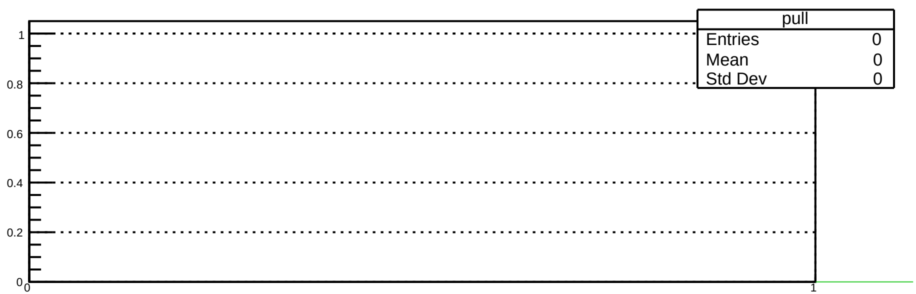
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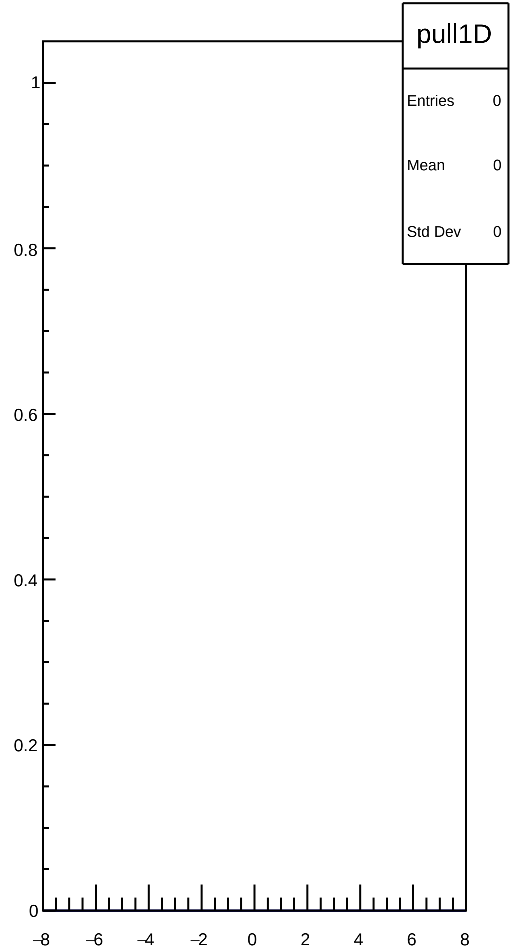
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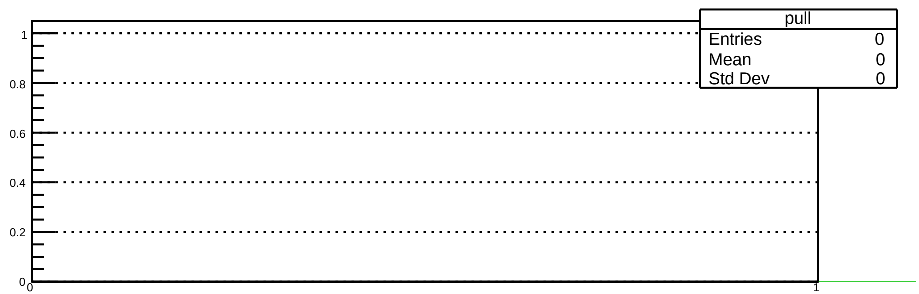
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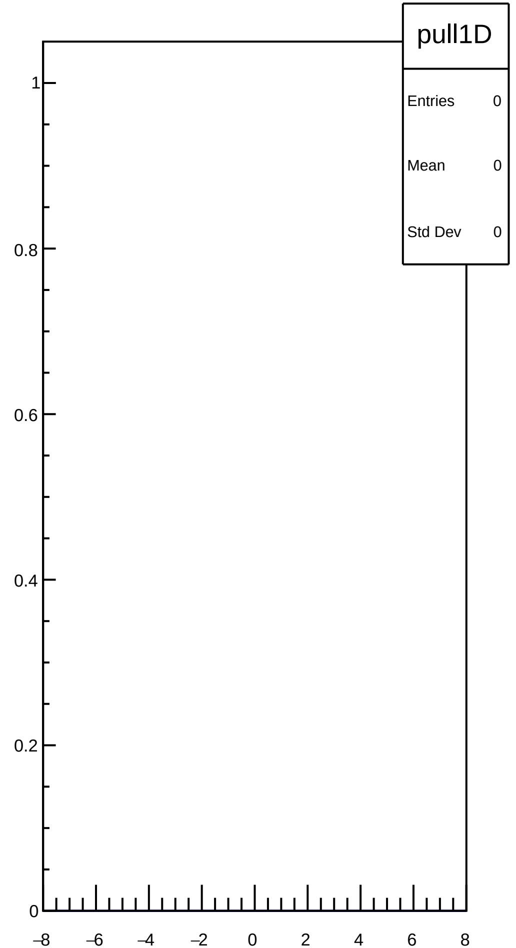
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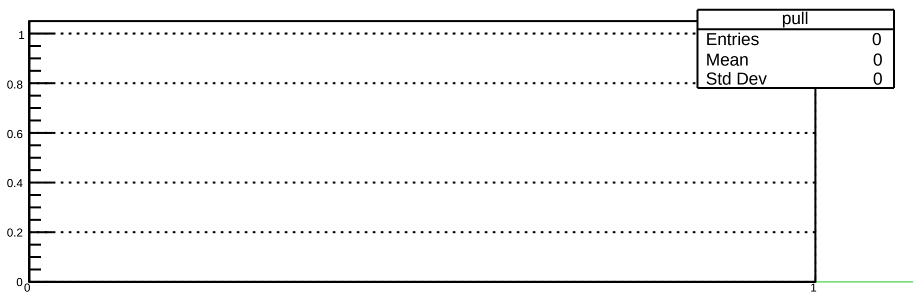
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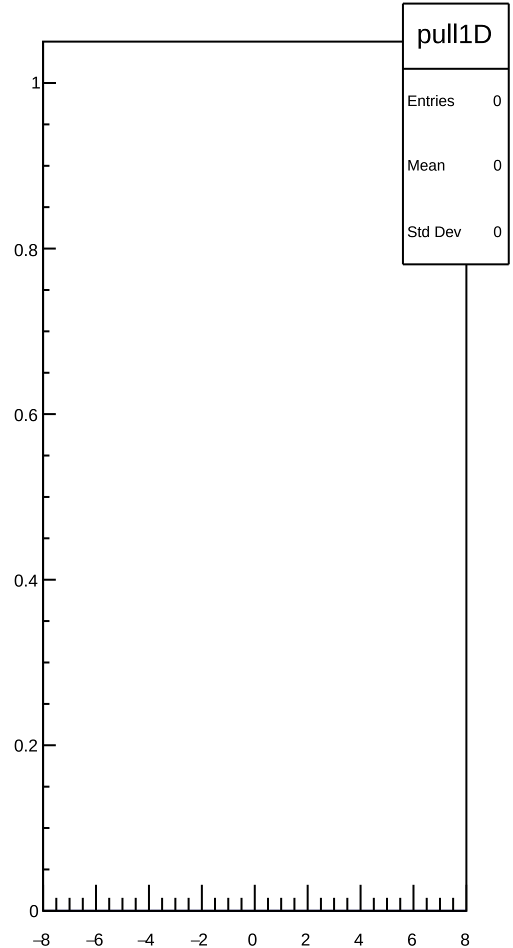
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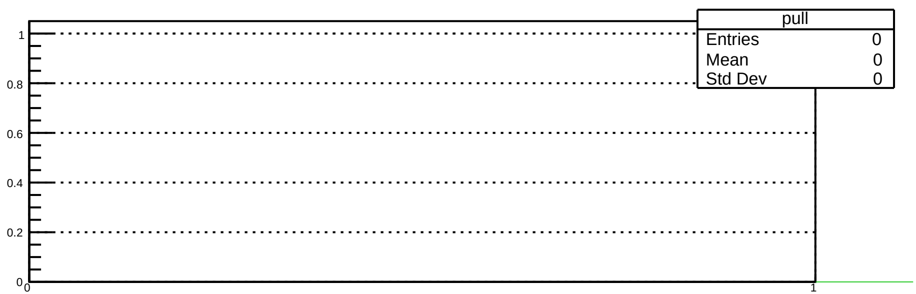

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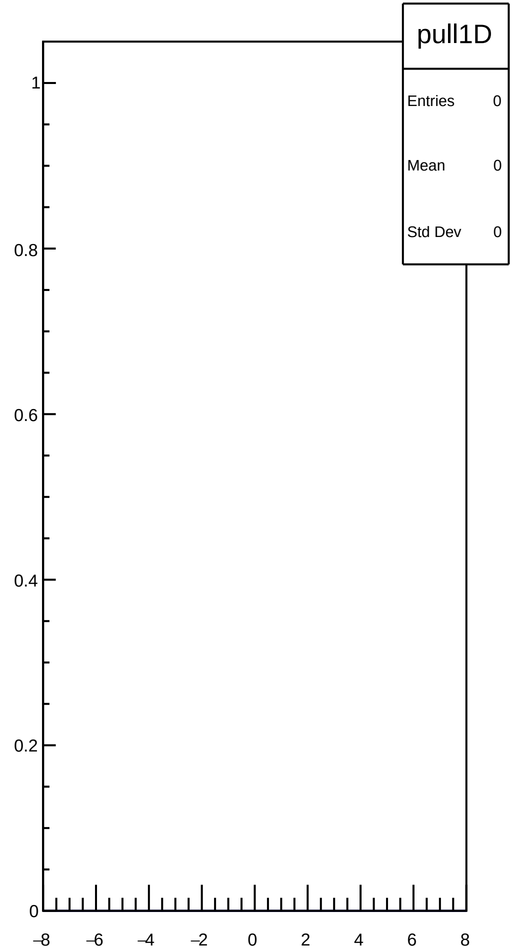

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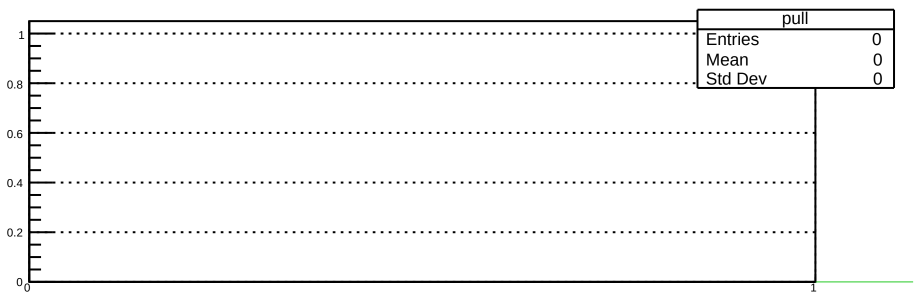
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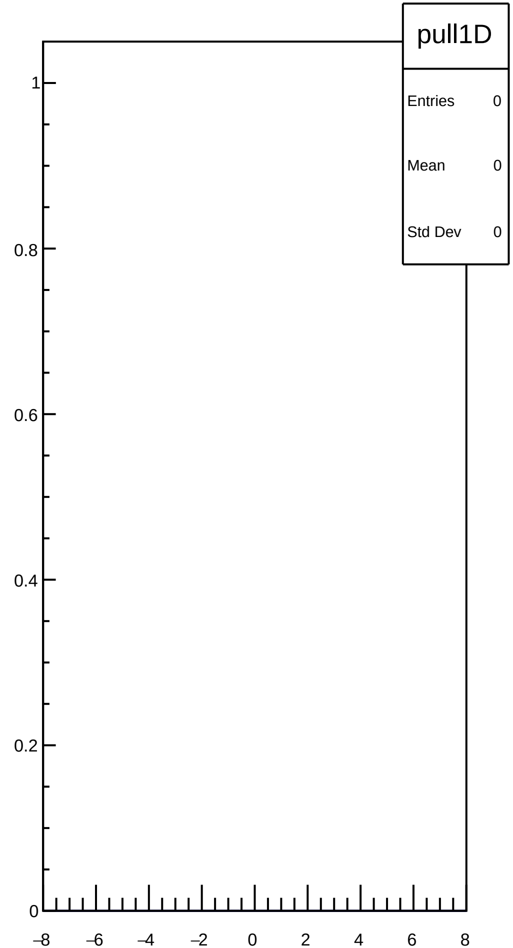
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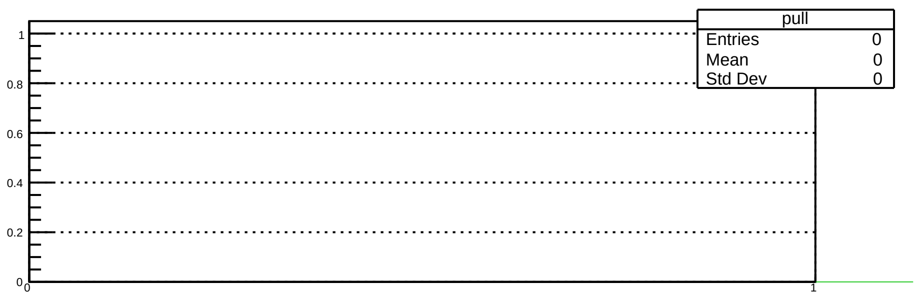
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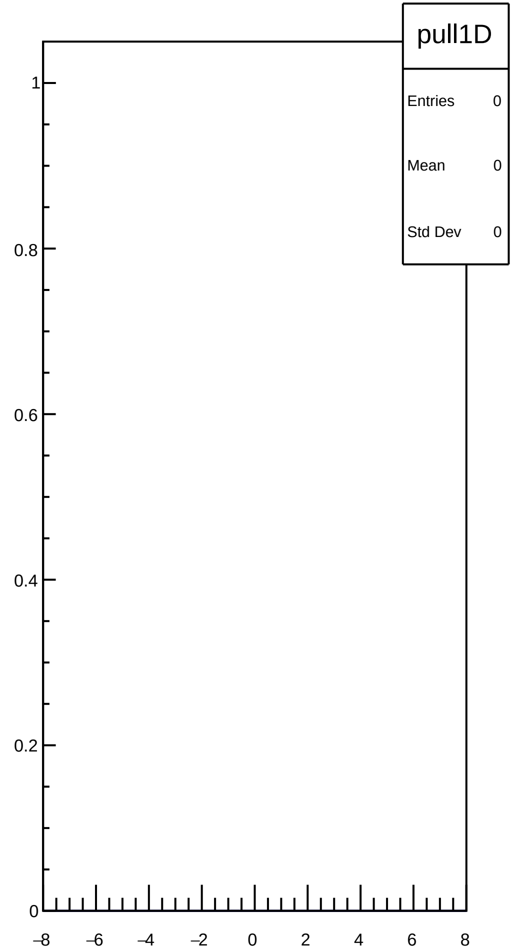
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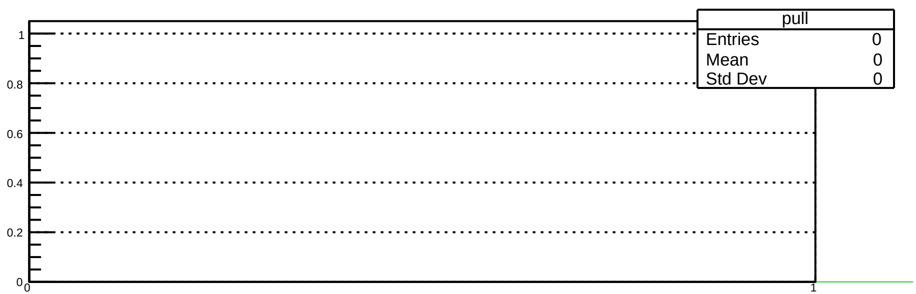
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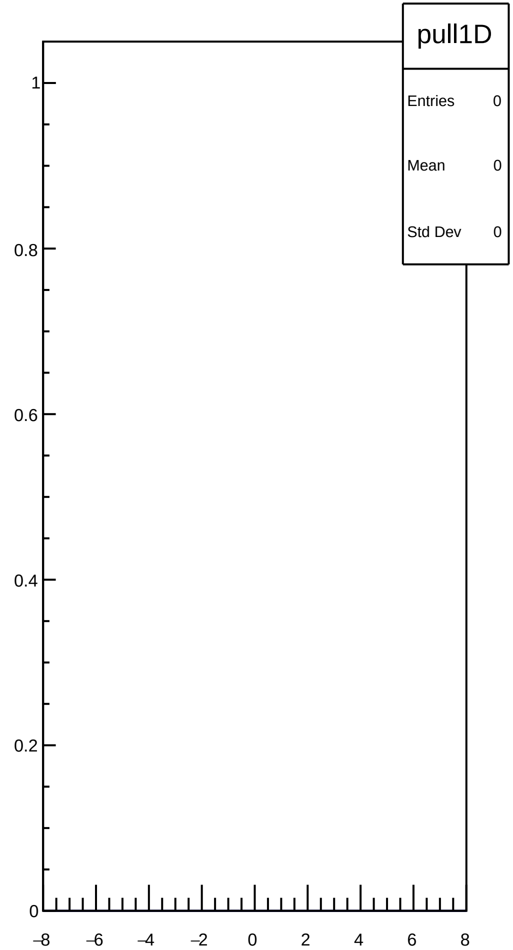
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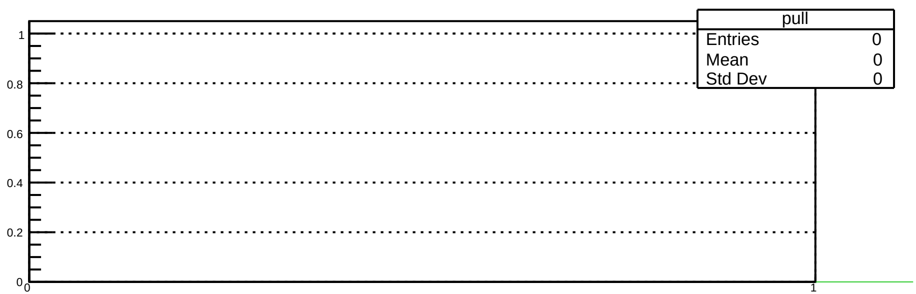
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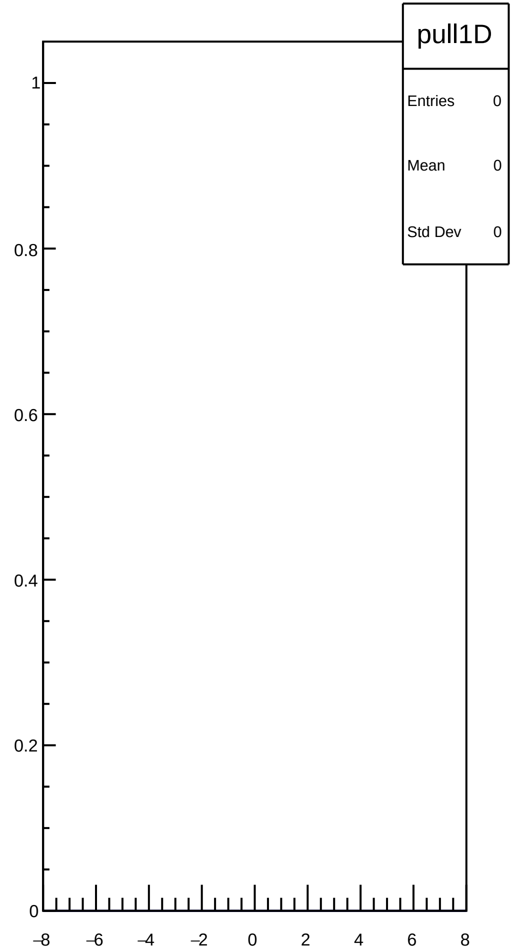
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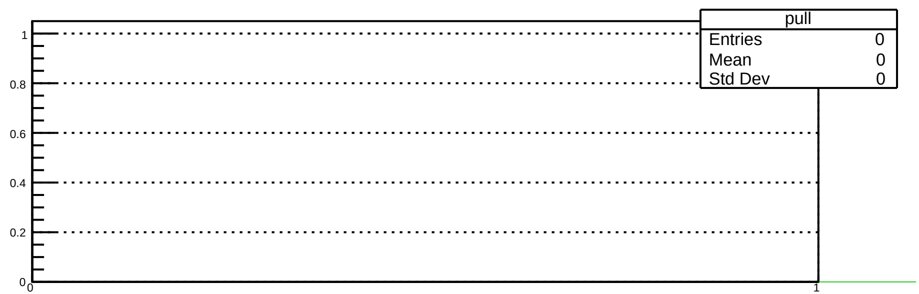
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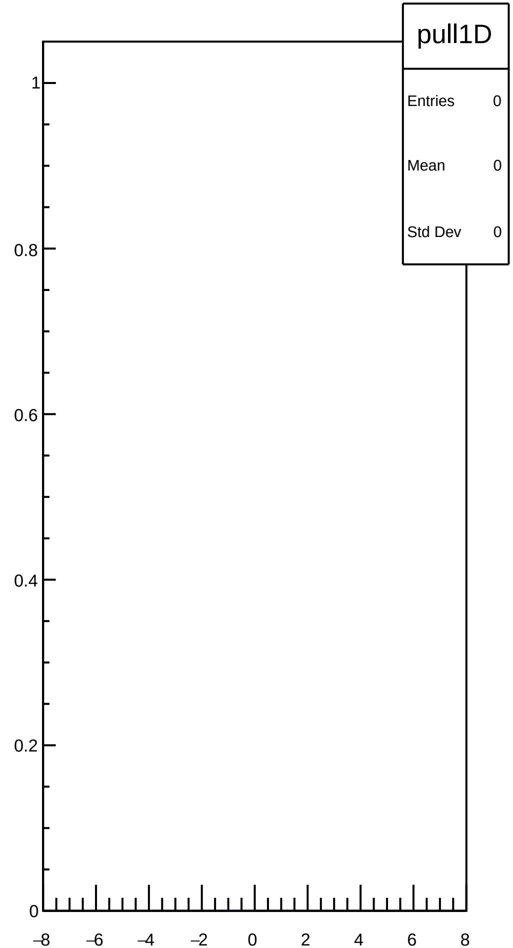
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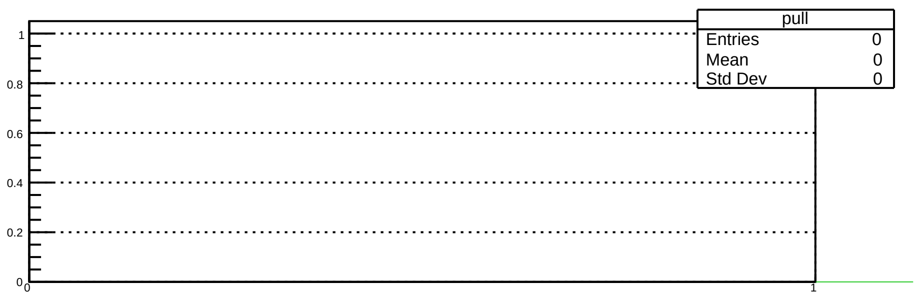
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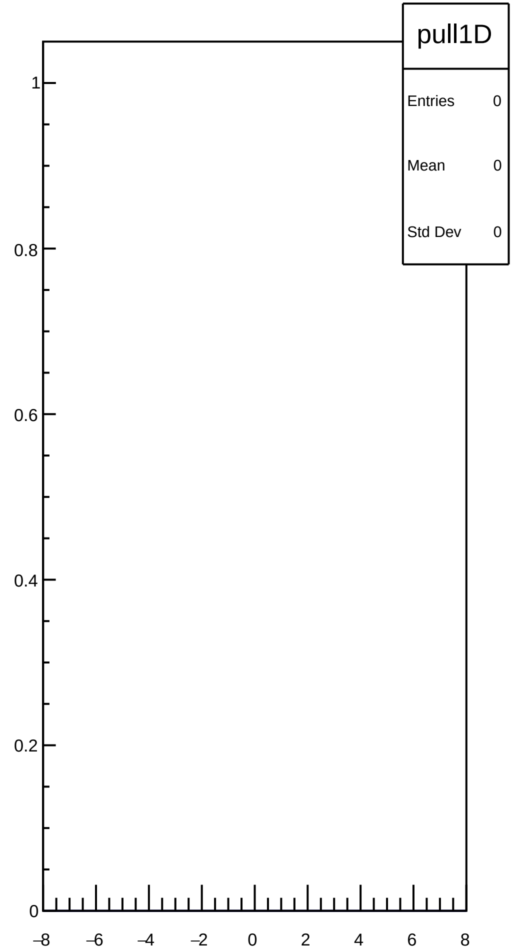
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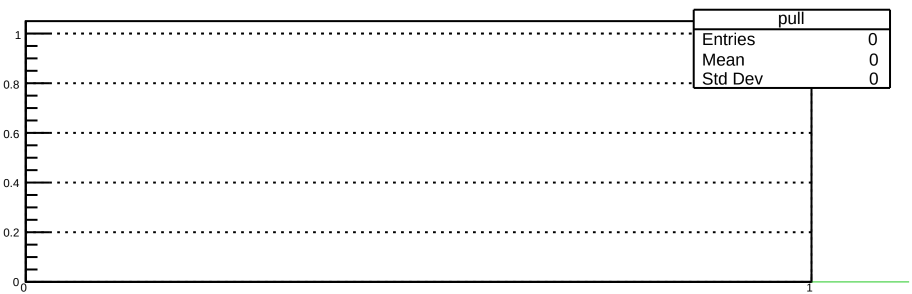

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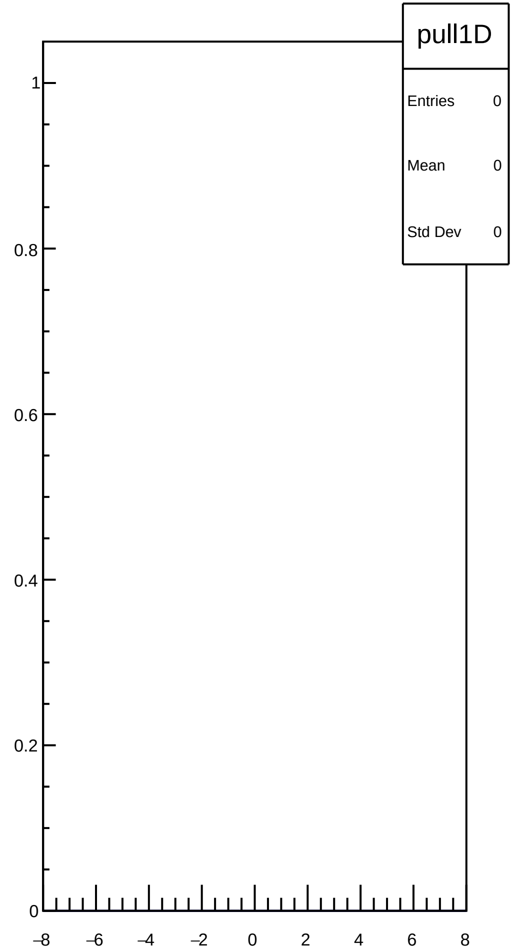

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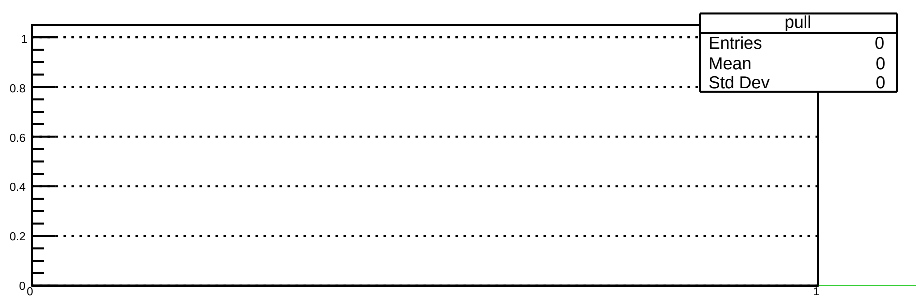
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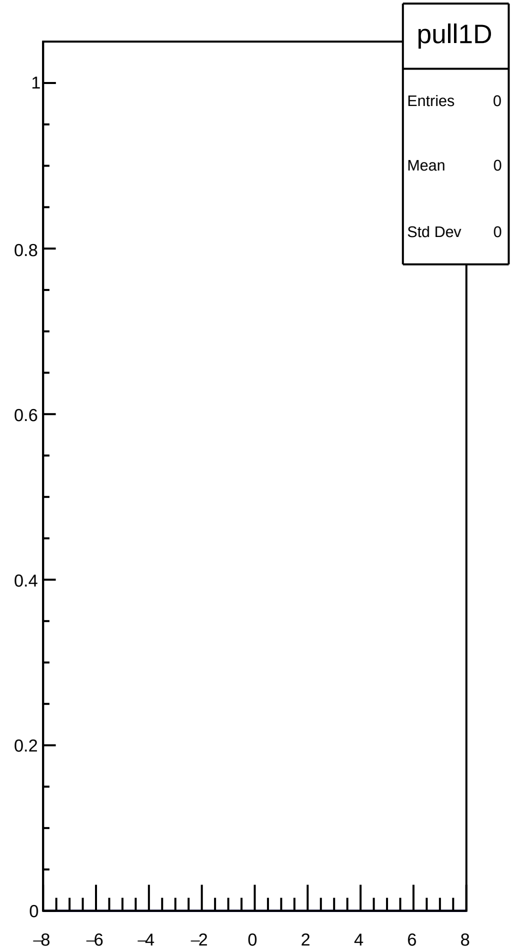
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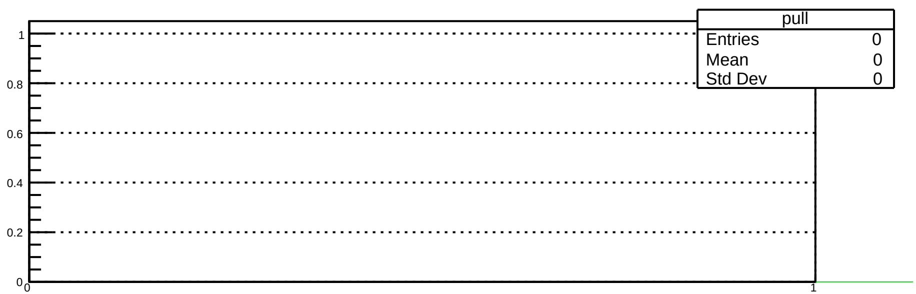
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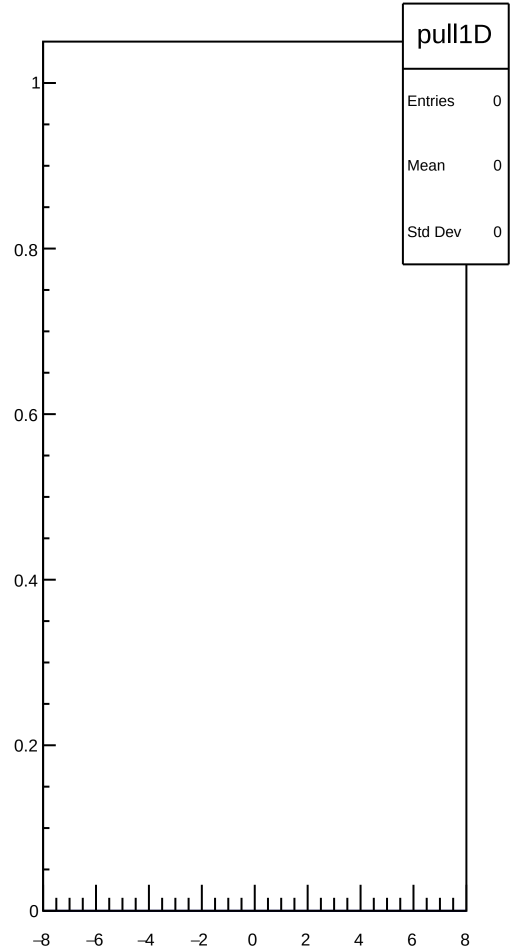
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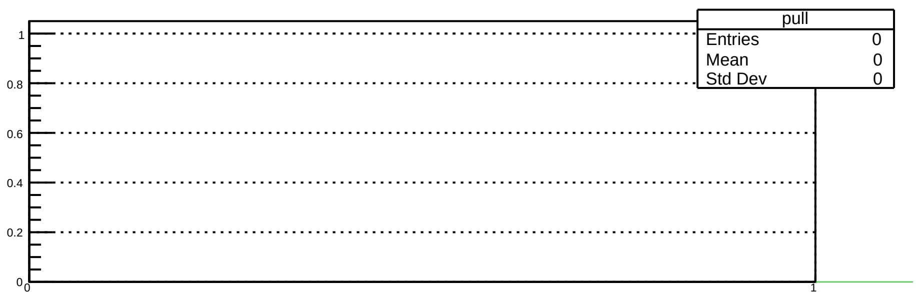
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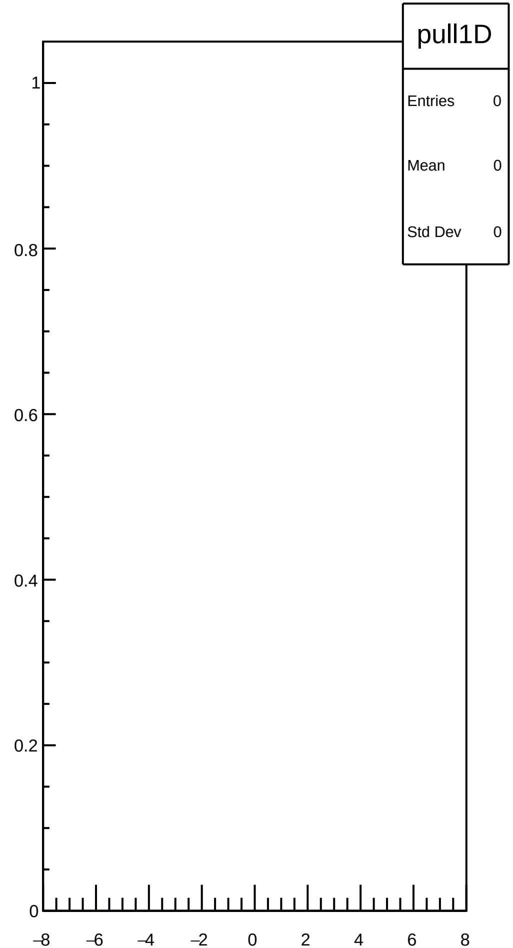
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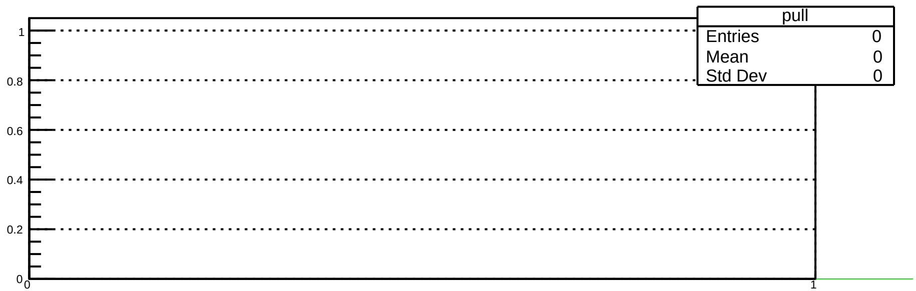
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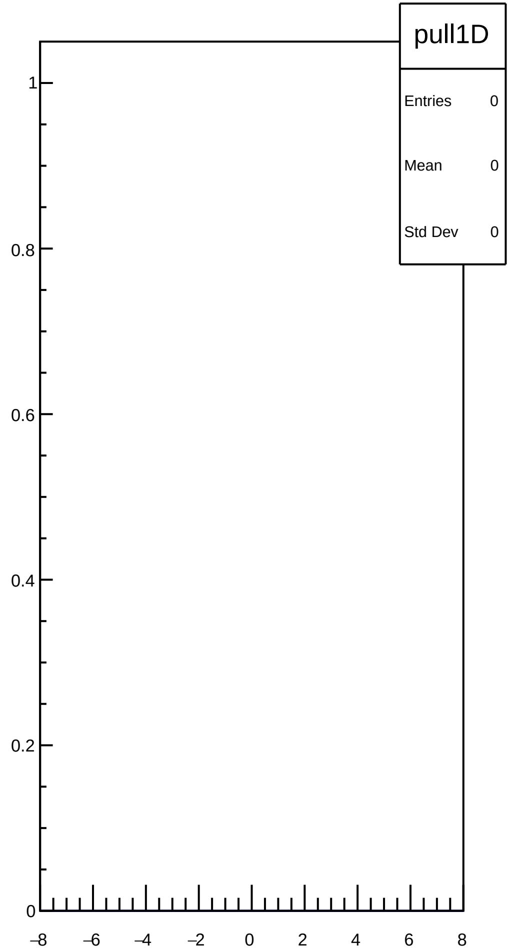
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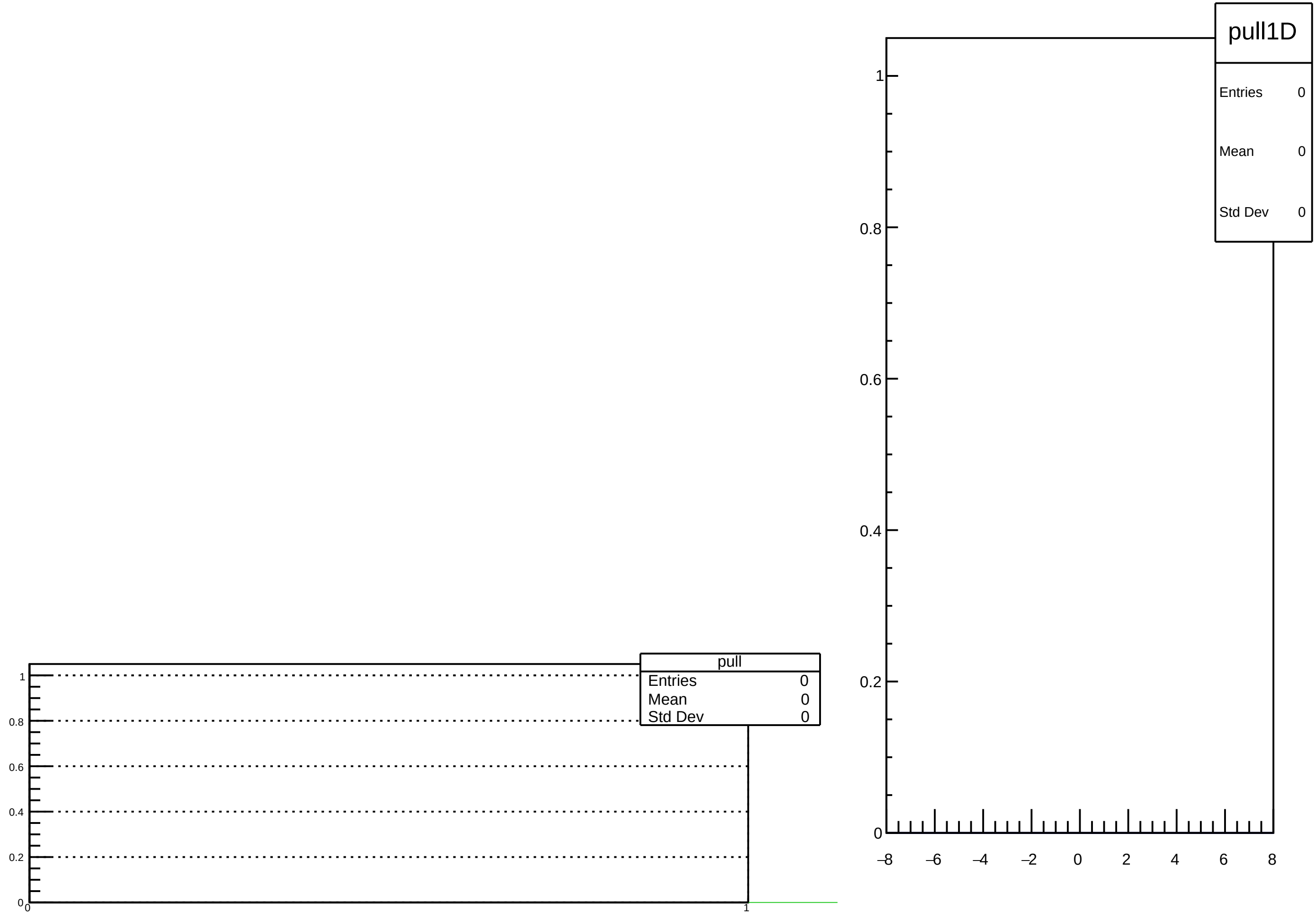

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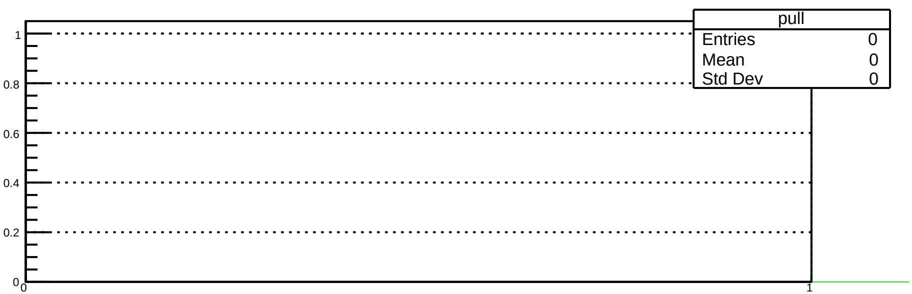
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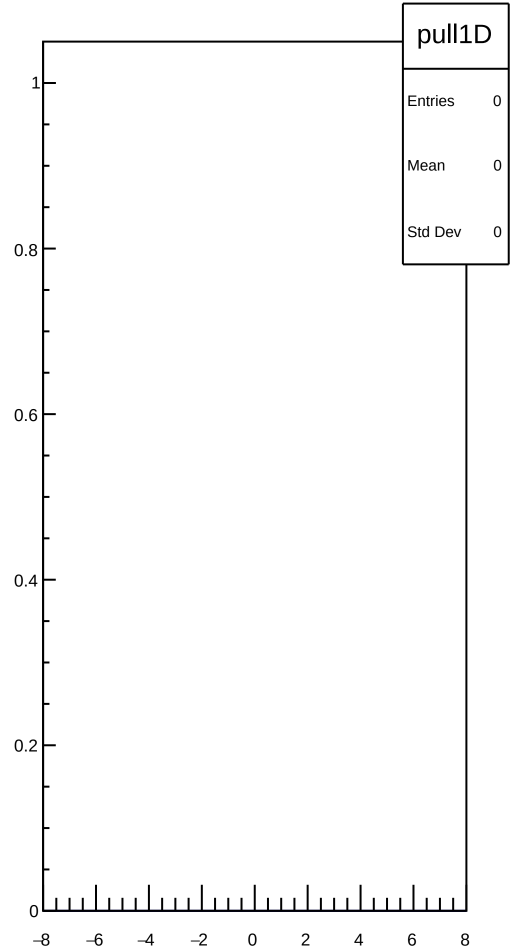
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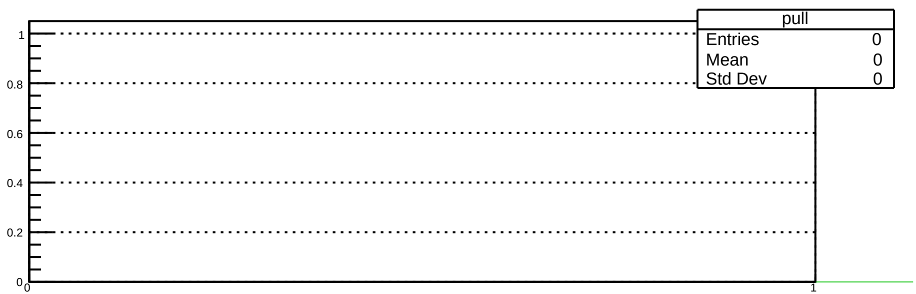

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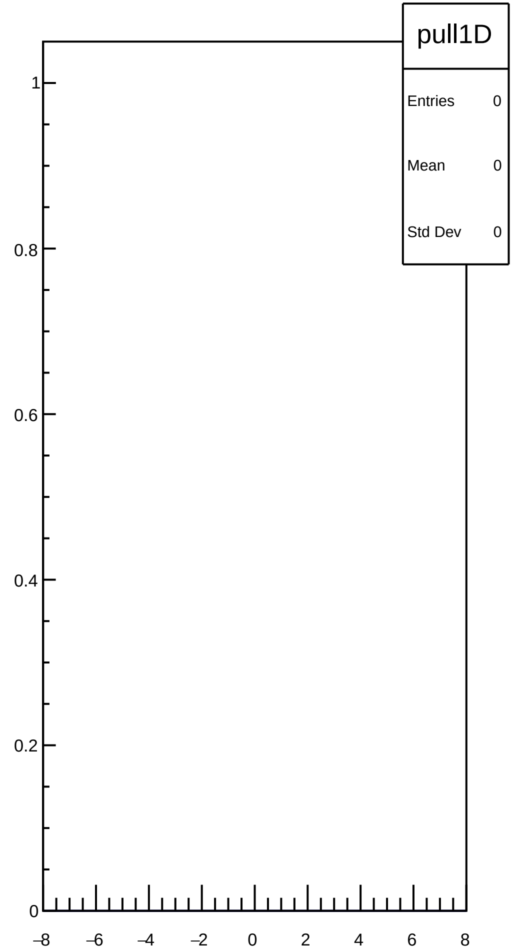

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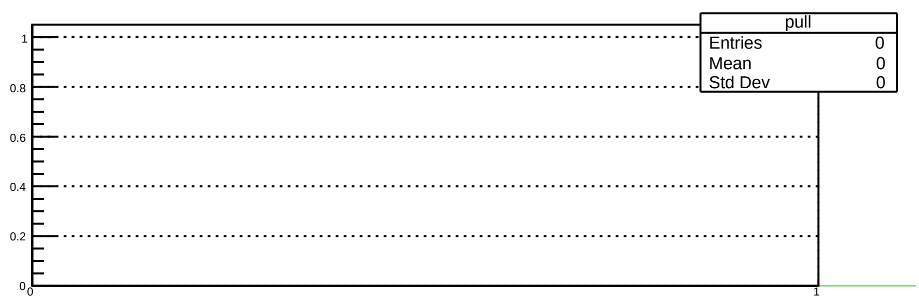
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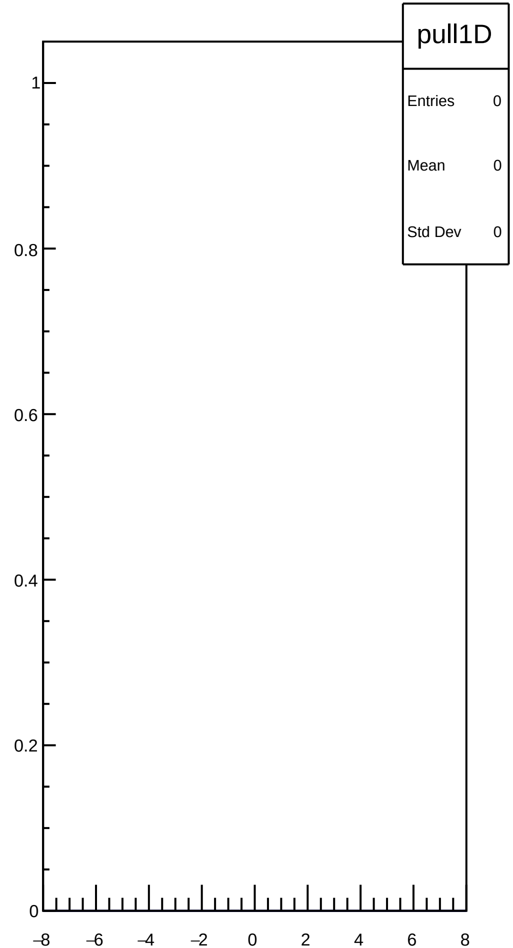
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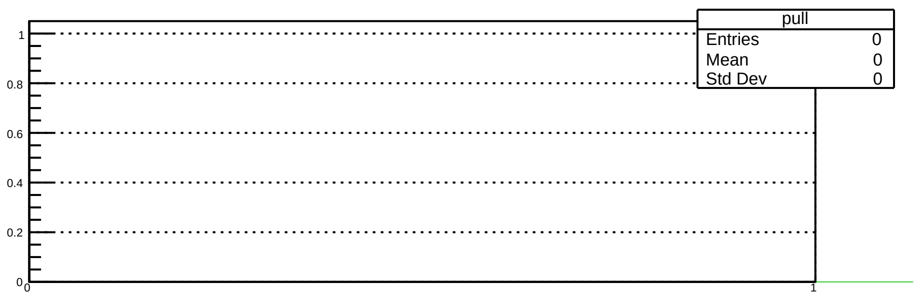

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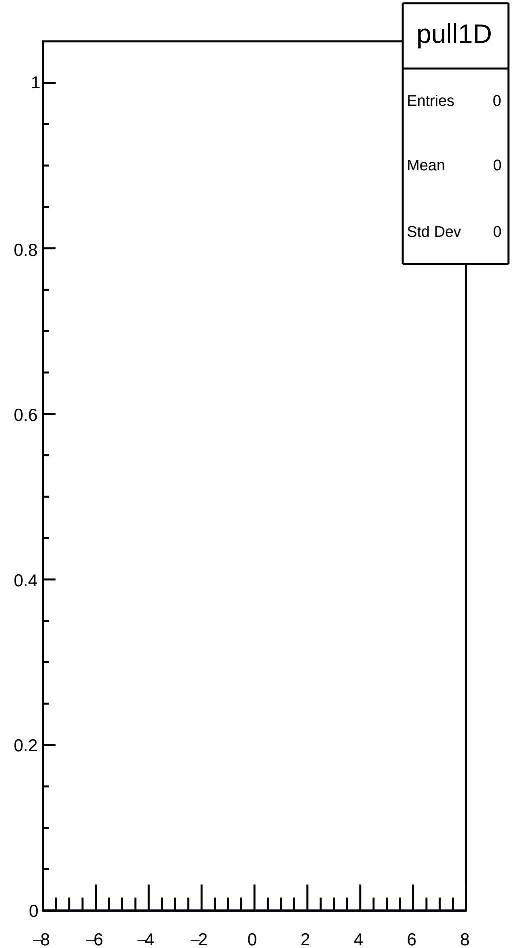

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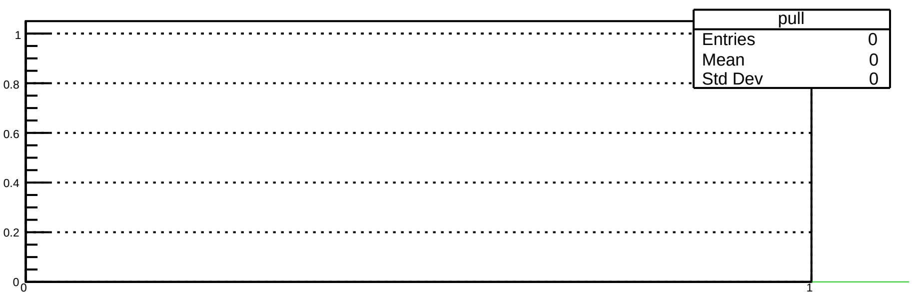
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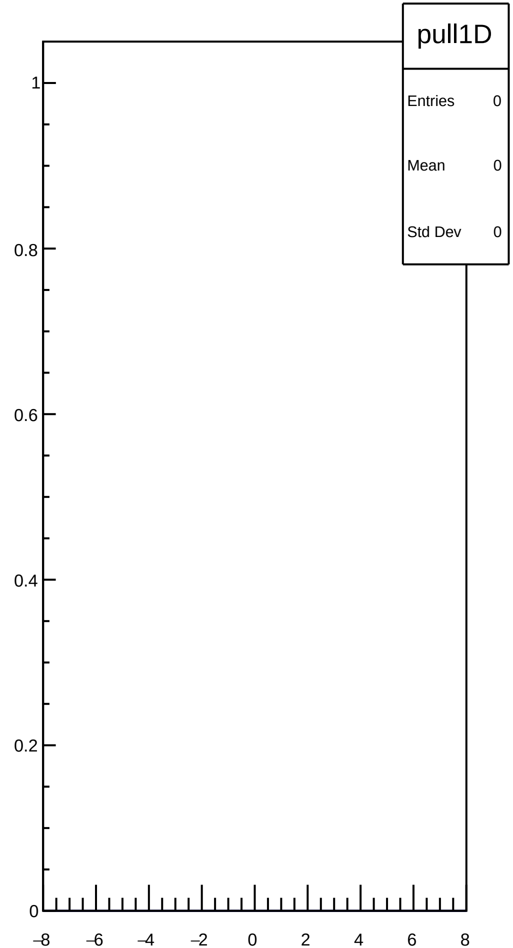
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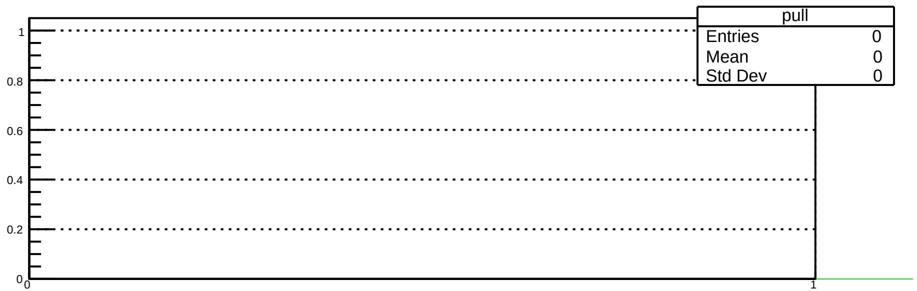
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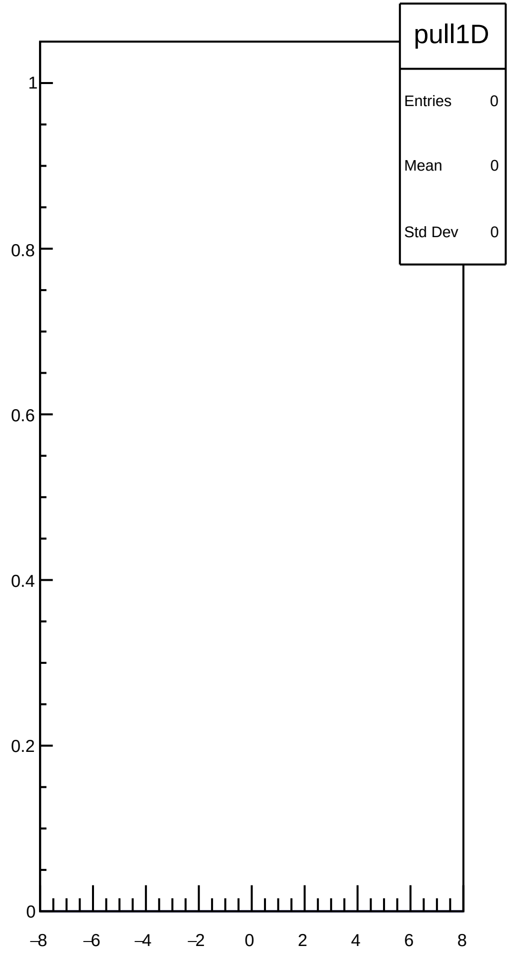
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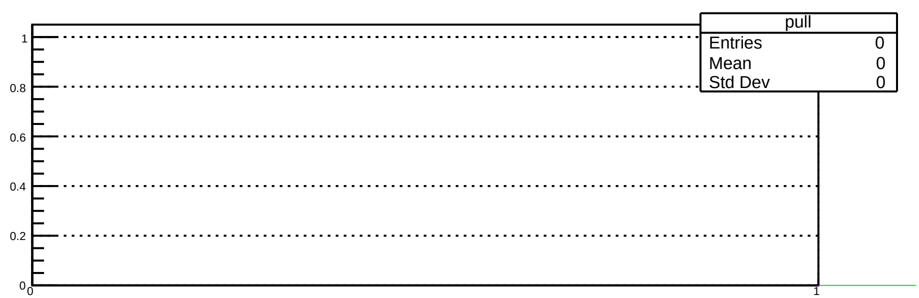
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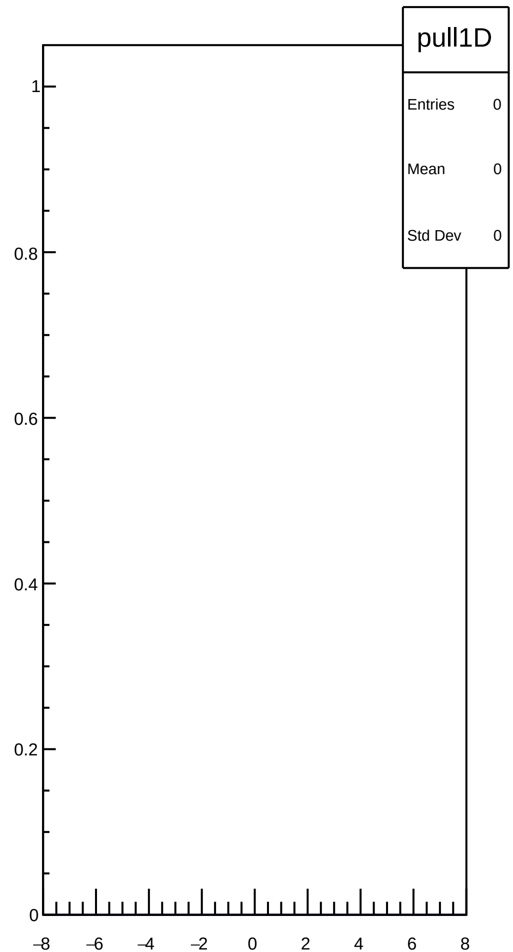
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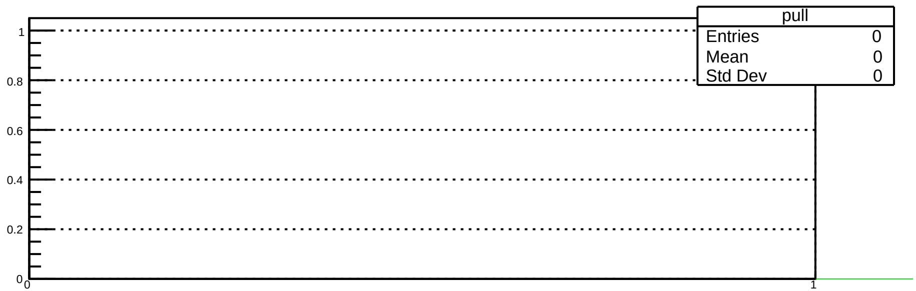
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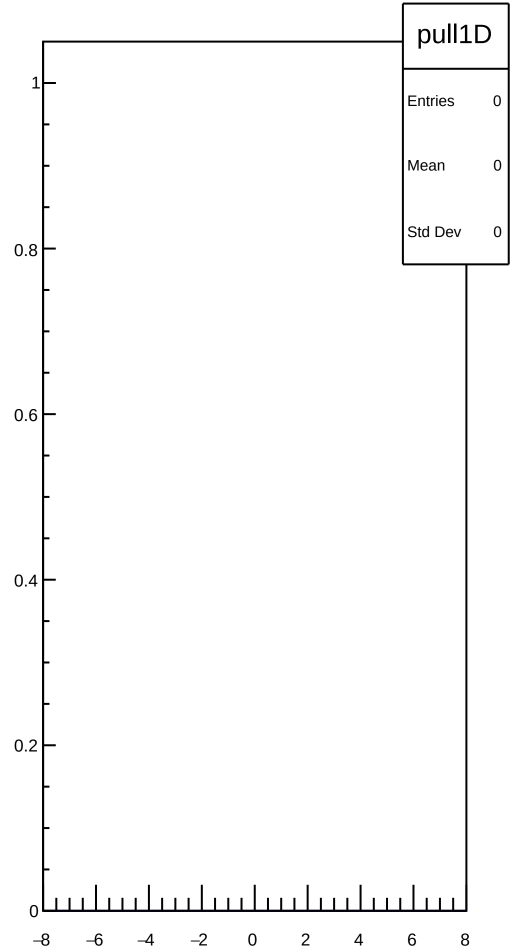
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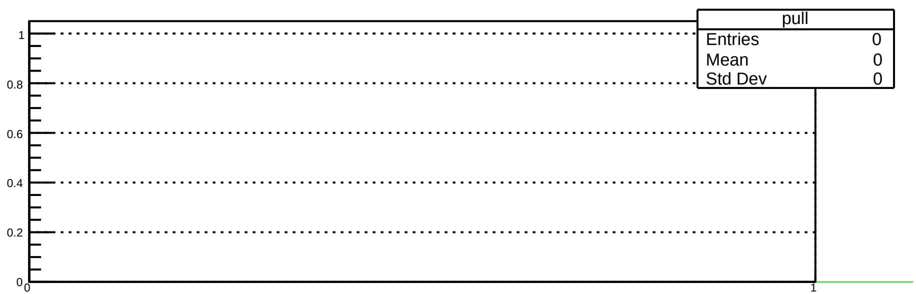
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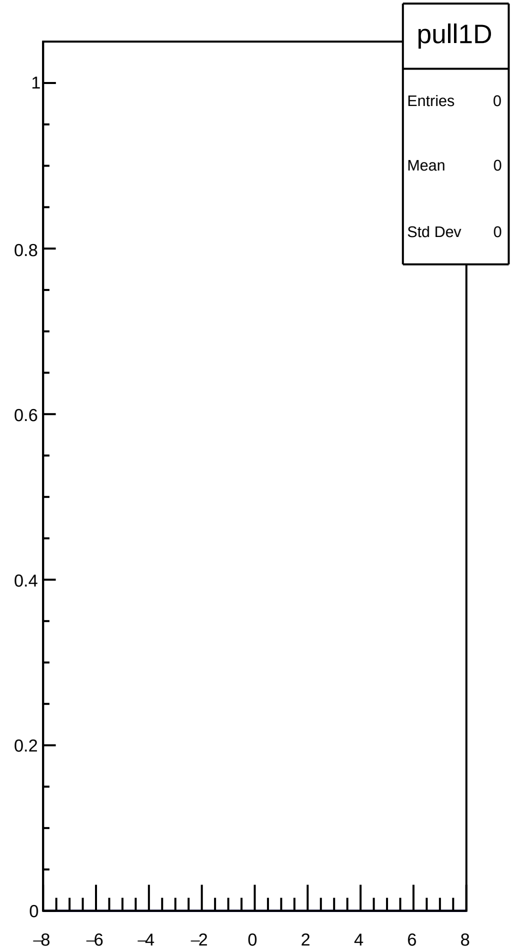
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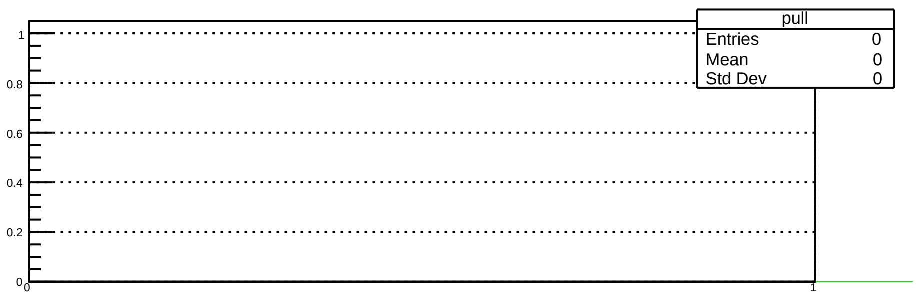
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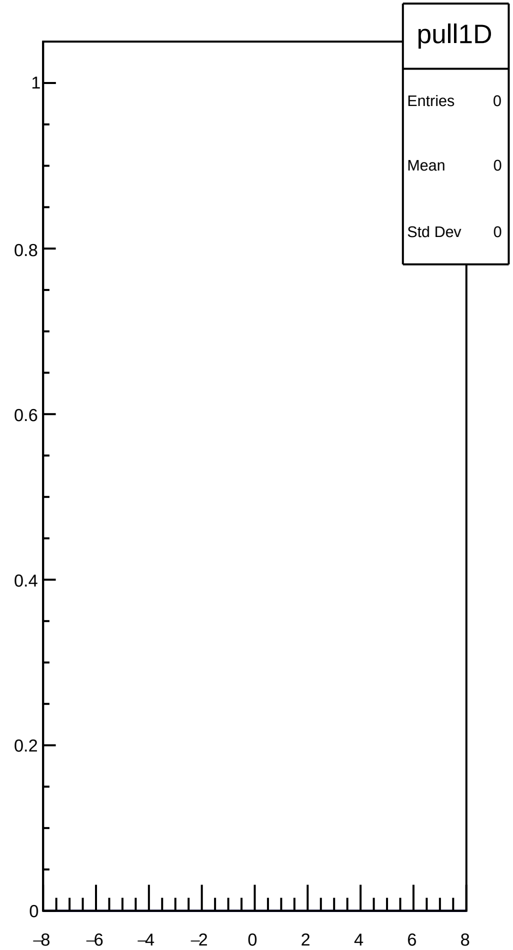
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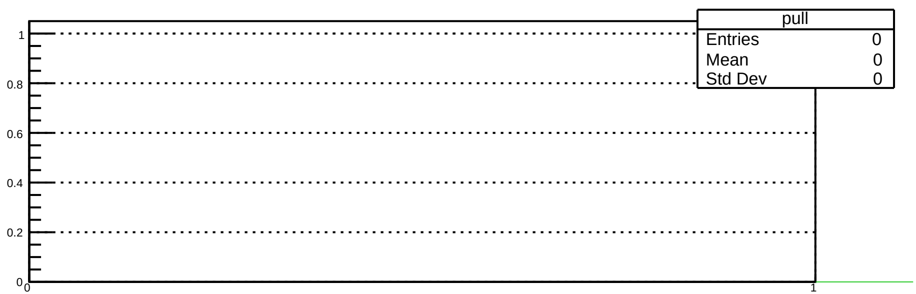

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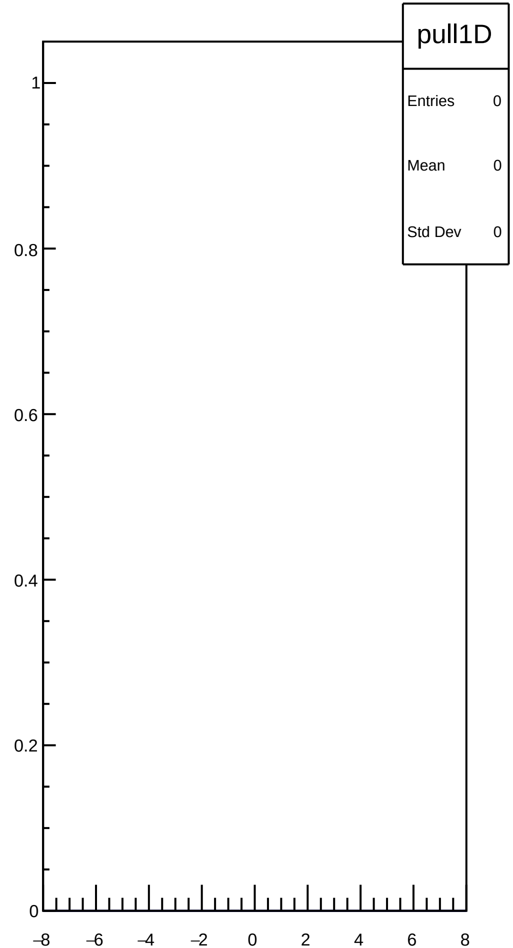

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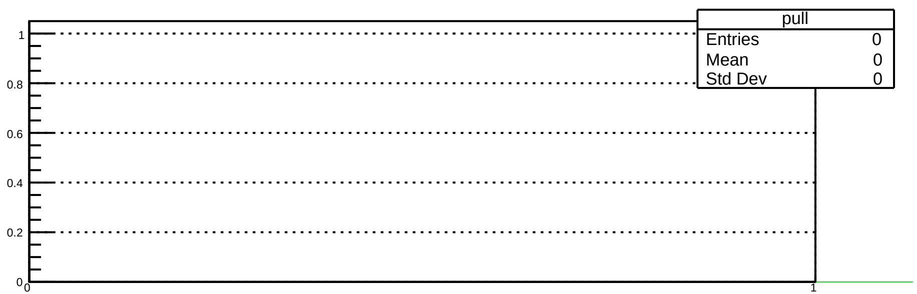
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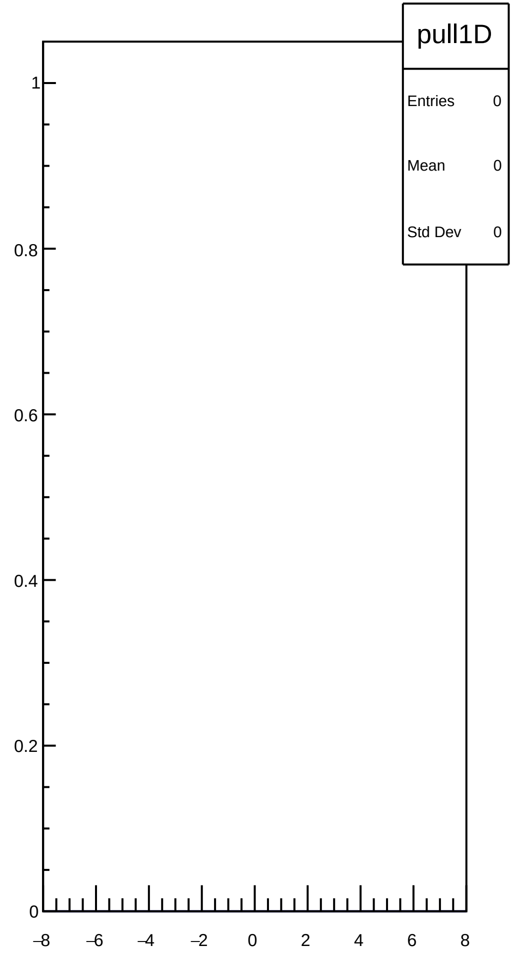
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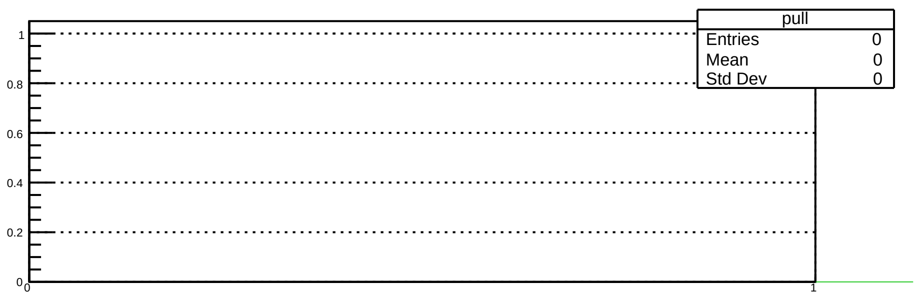

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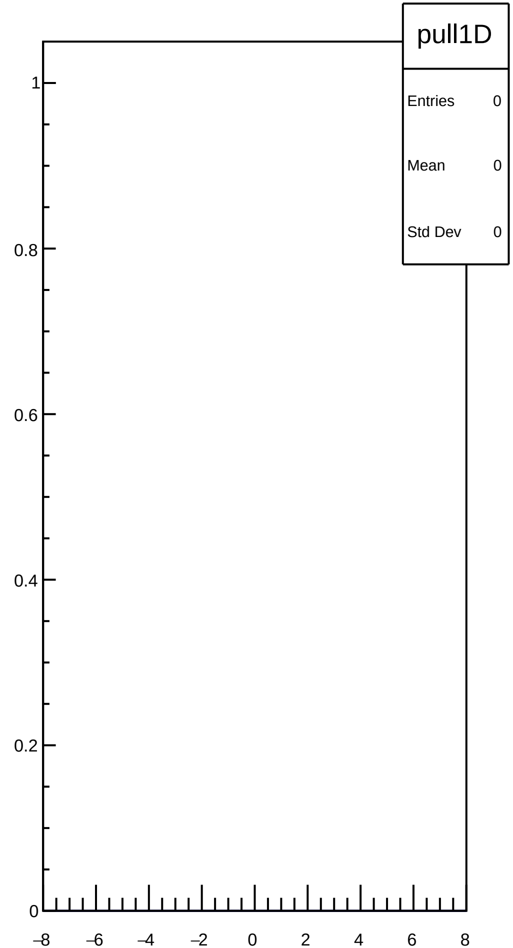

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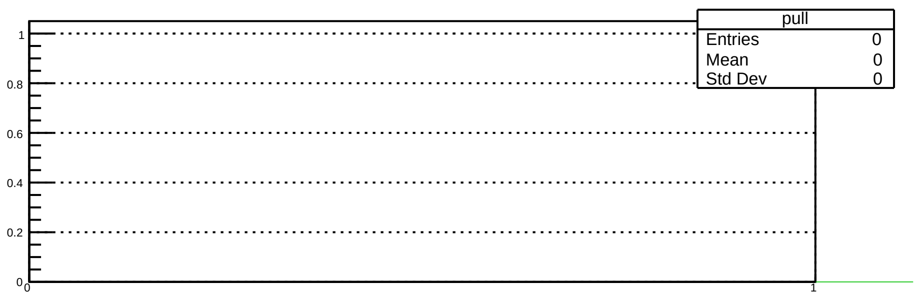
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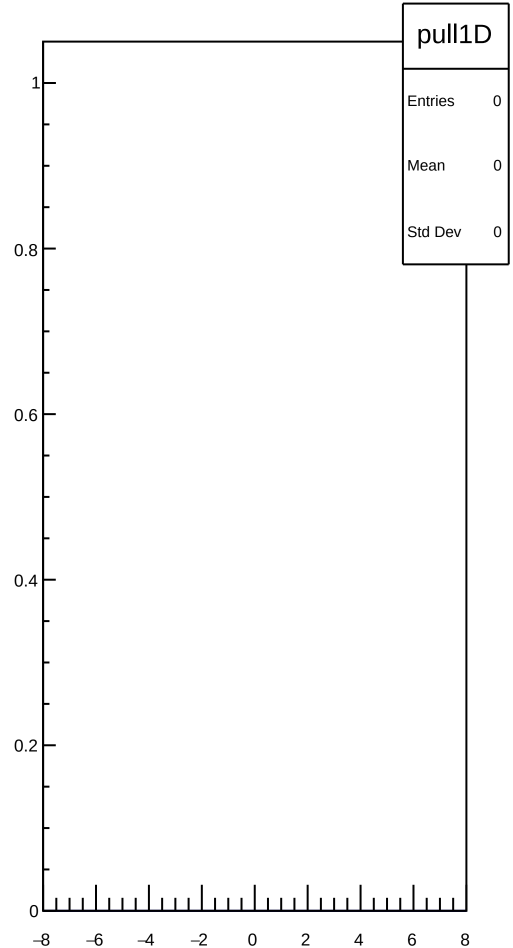
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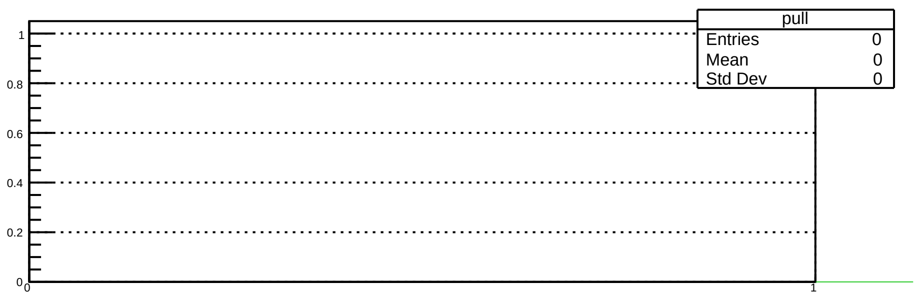
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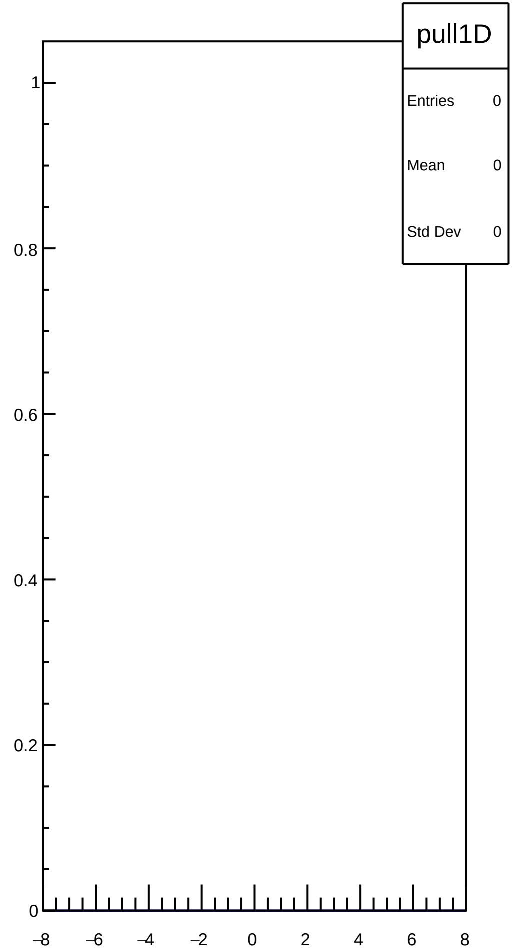
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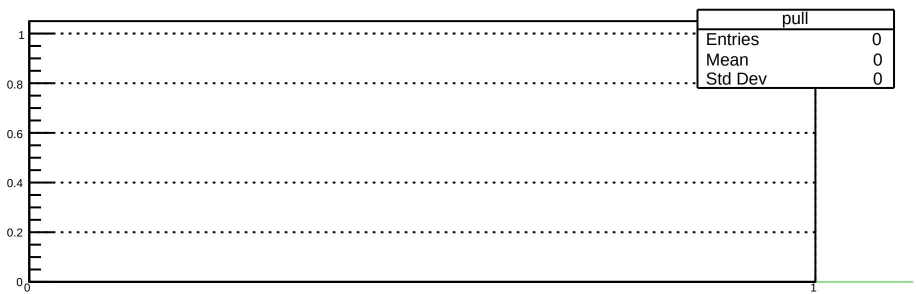
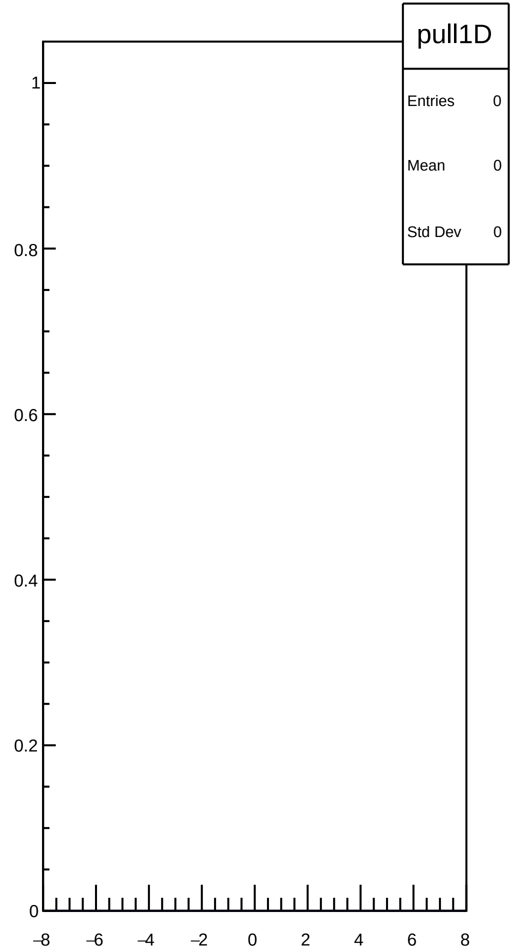

pull
Entries 0
Mean 0
Std Dev 0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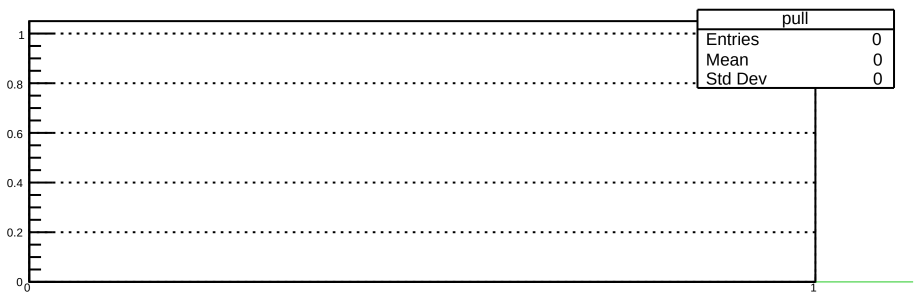
Entries 0
Mean 0
Std Dev 0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Std Dev 0
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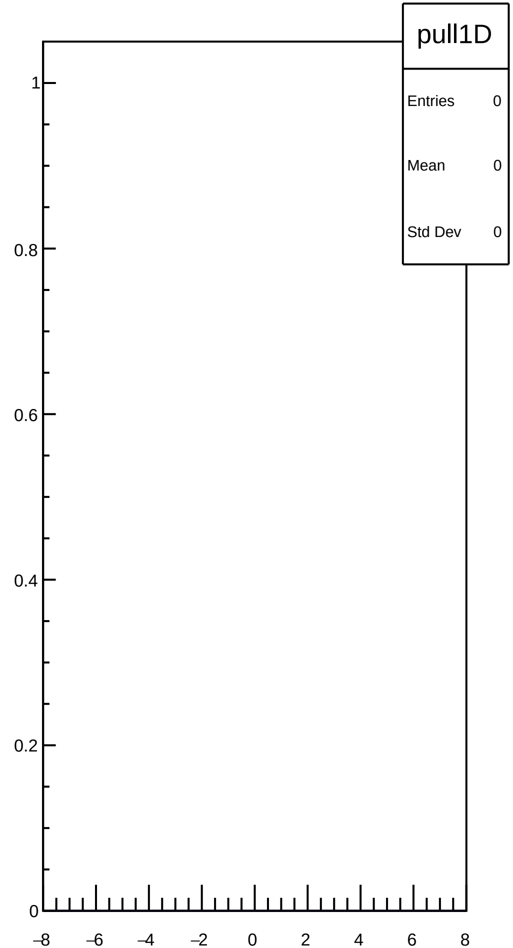
pull1D
Entries 0
Mean 0
Std Dev 0
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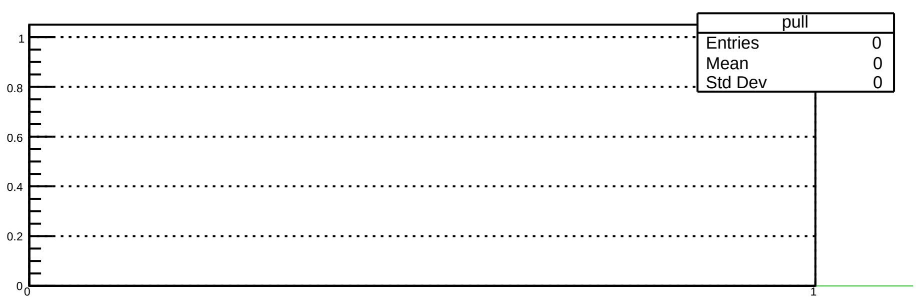

pull
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Std Dev 0
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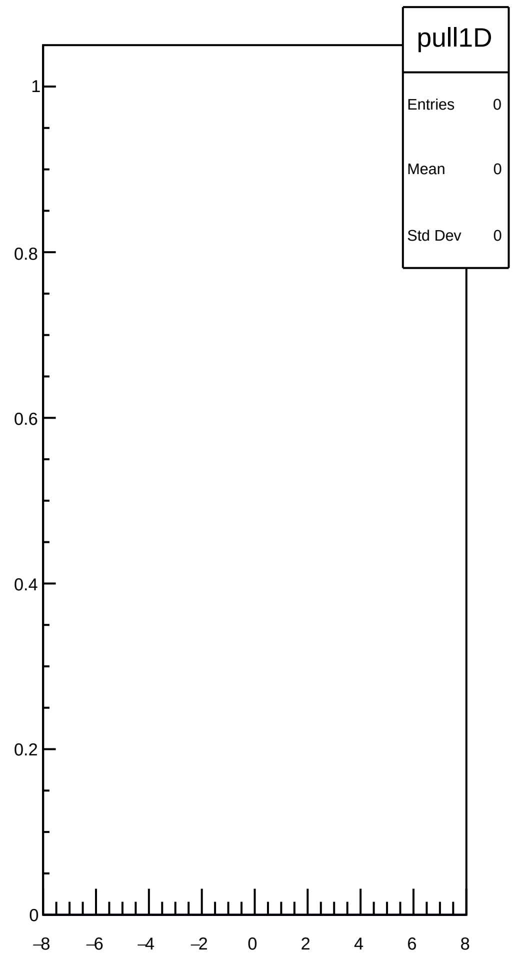

pull1D
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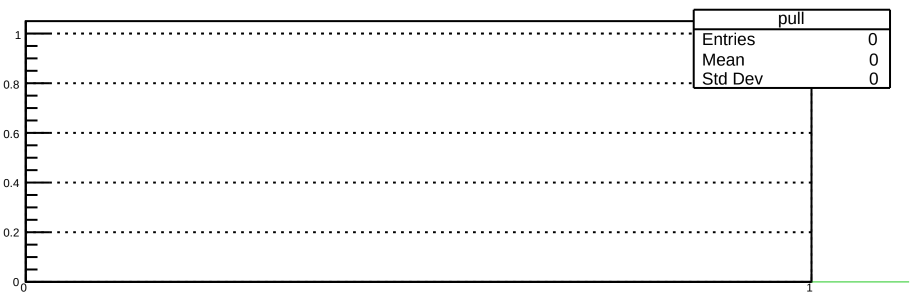
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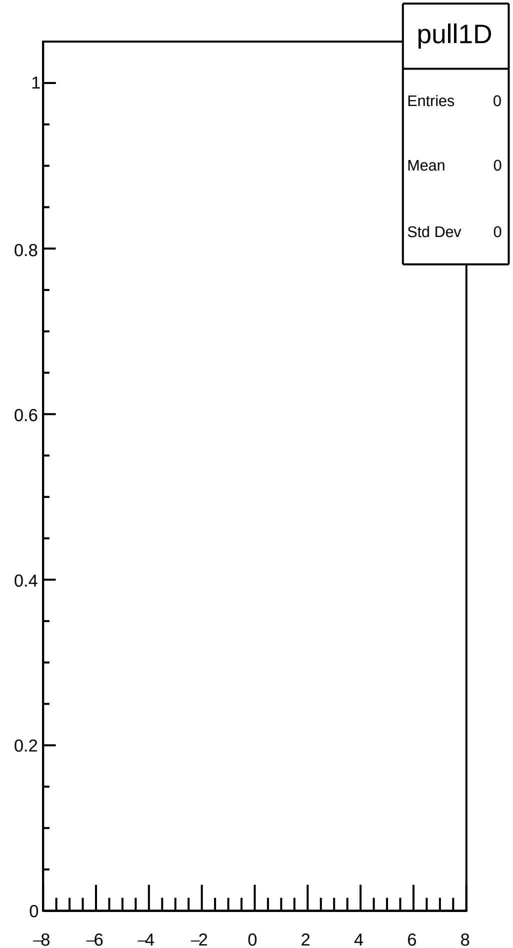
Mean 0
Std Dev 0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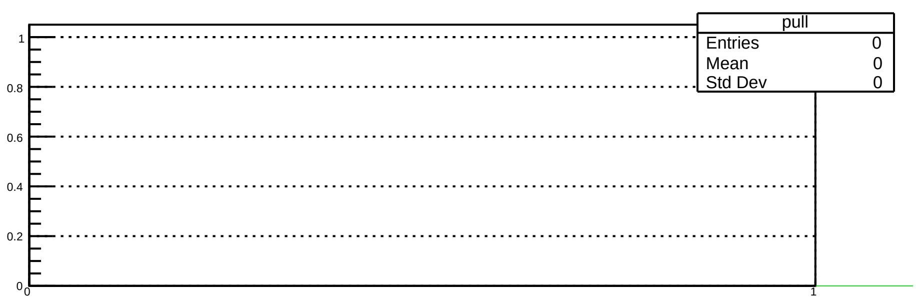
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Std Dev 0
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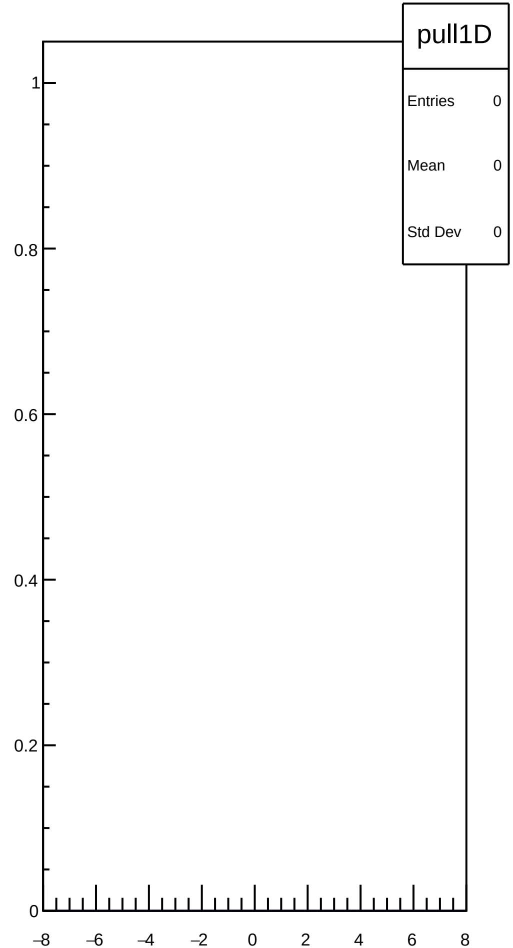
pull1D
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Std Dev 0
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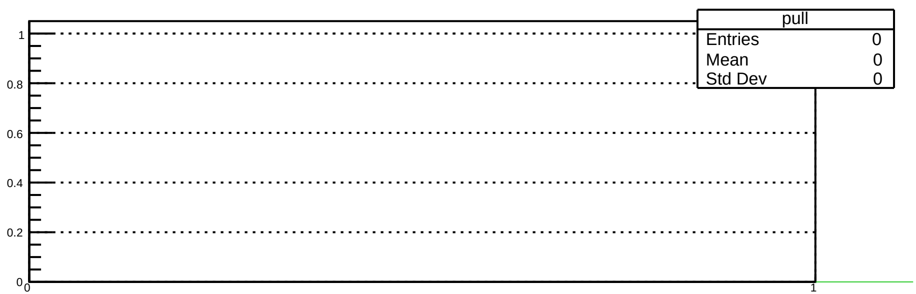
pull
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Std Dev 0
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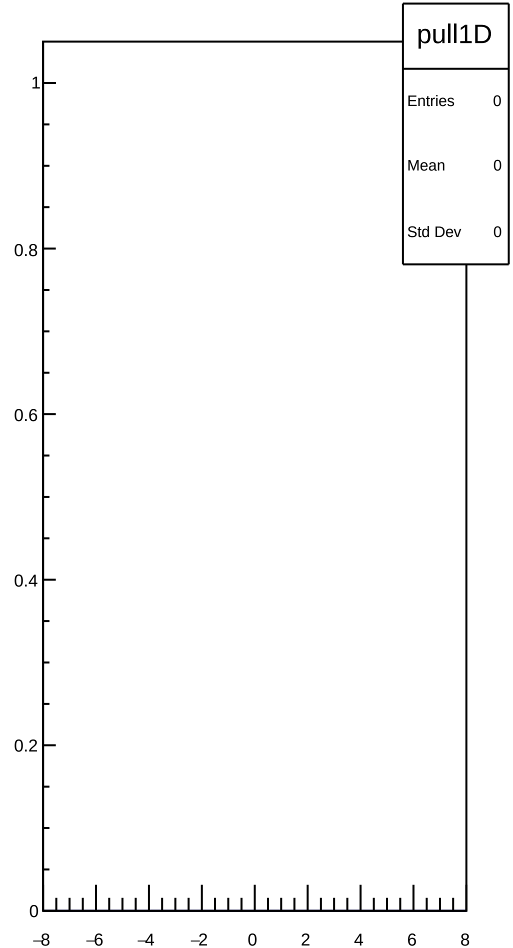
pull1D
Entries 0
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Std Dev 0
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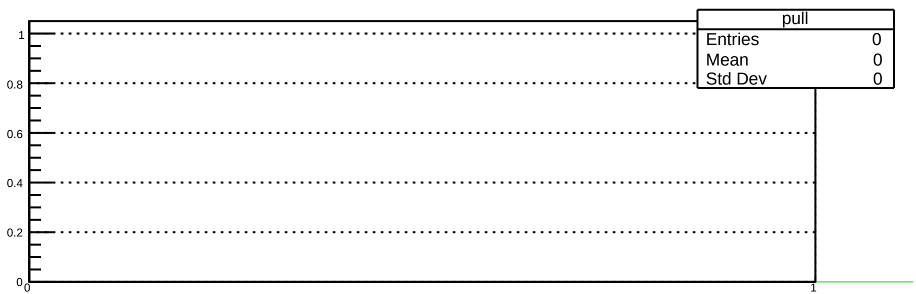
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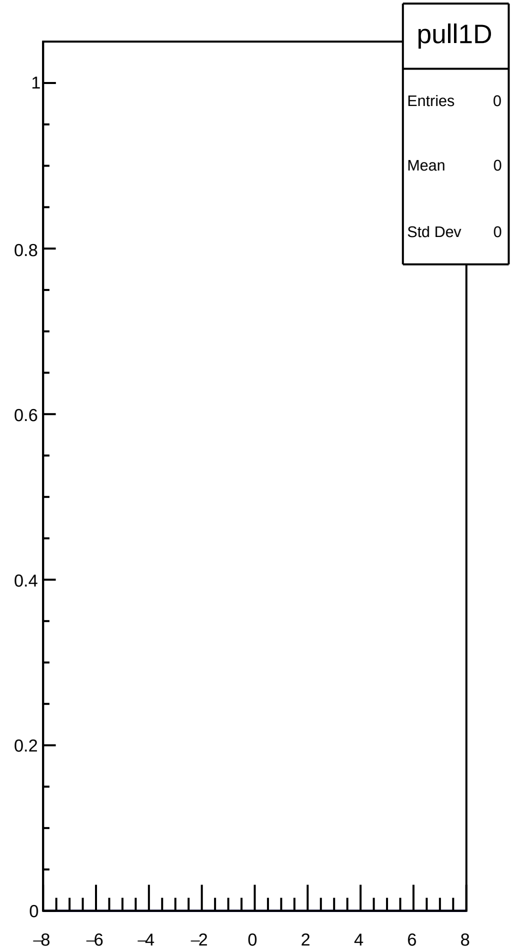
pull1D
Entries 0
Mean 0
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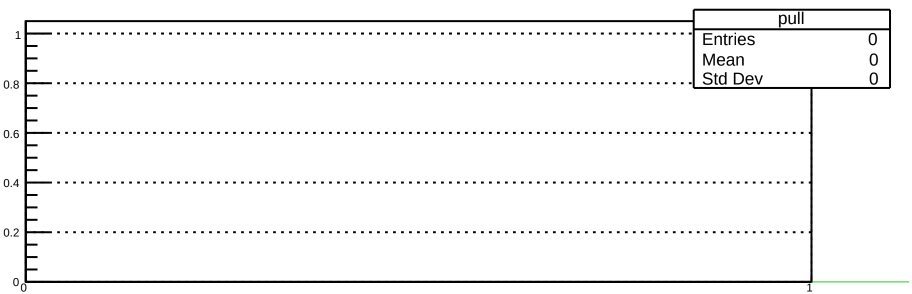
pull
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Std Dev 0
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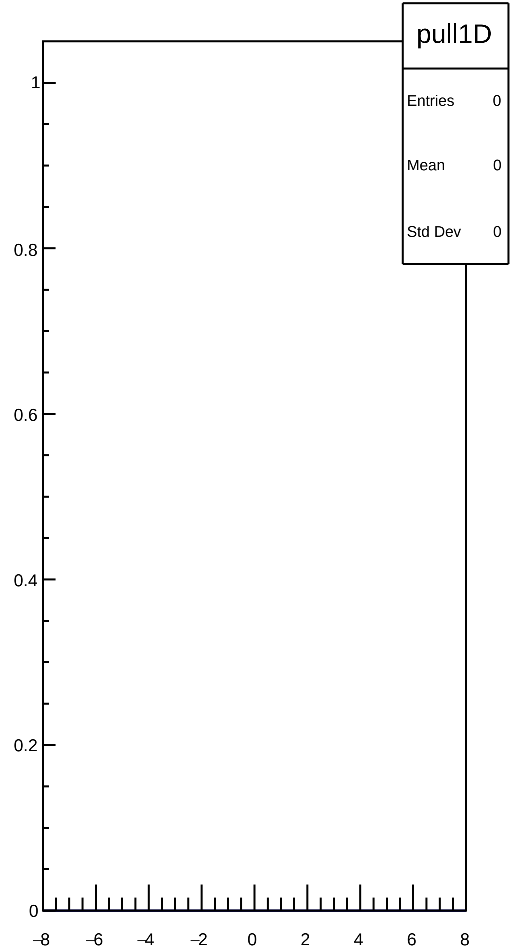
pull1D
Entries 0
Mean 0
Std Dev 0
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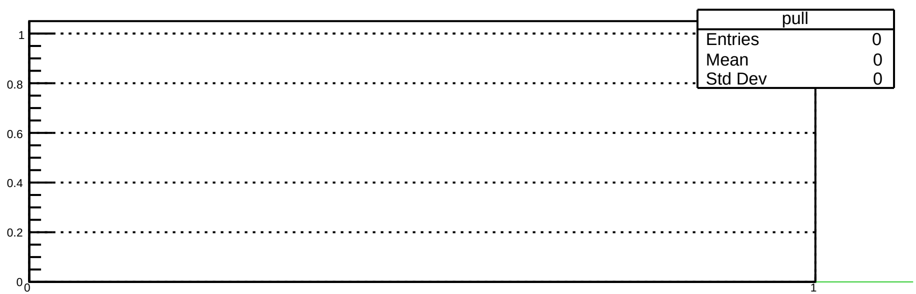
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Std Dev 0
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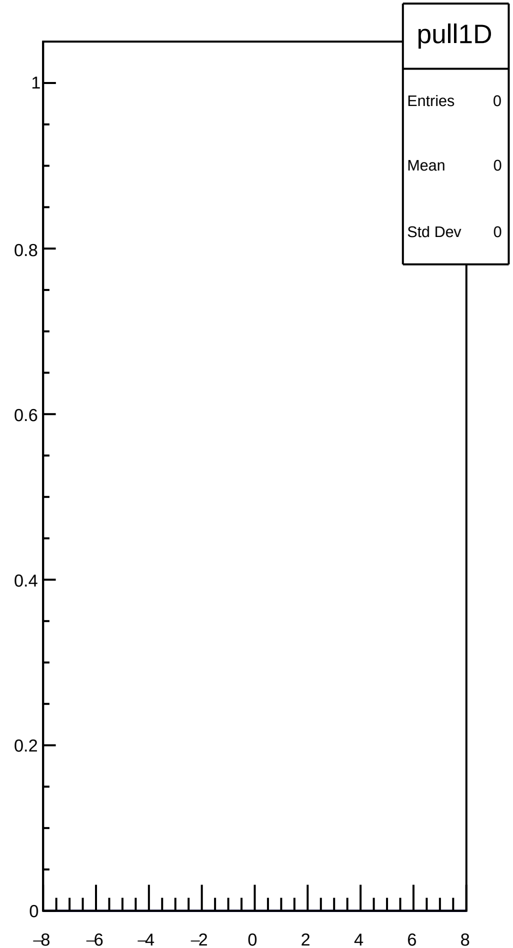
pull1D
Entries 0
Mean 0
Std Dev 0
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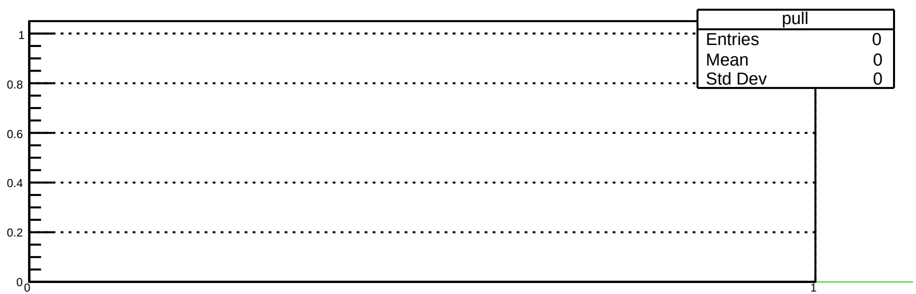
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Std Dev 0
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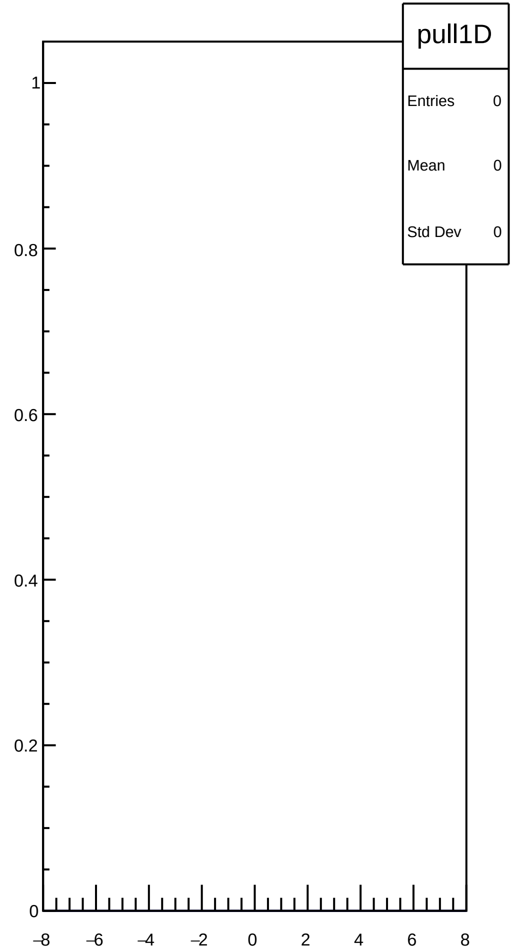
pull1D
Entries 0
Mean 0
Std Dev 0
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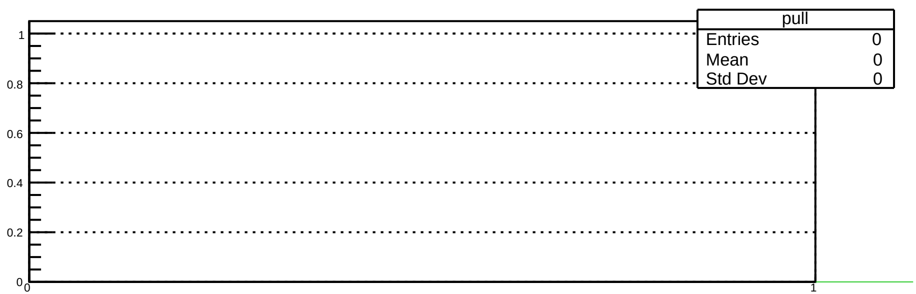
pull
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Std Dev 0
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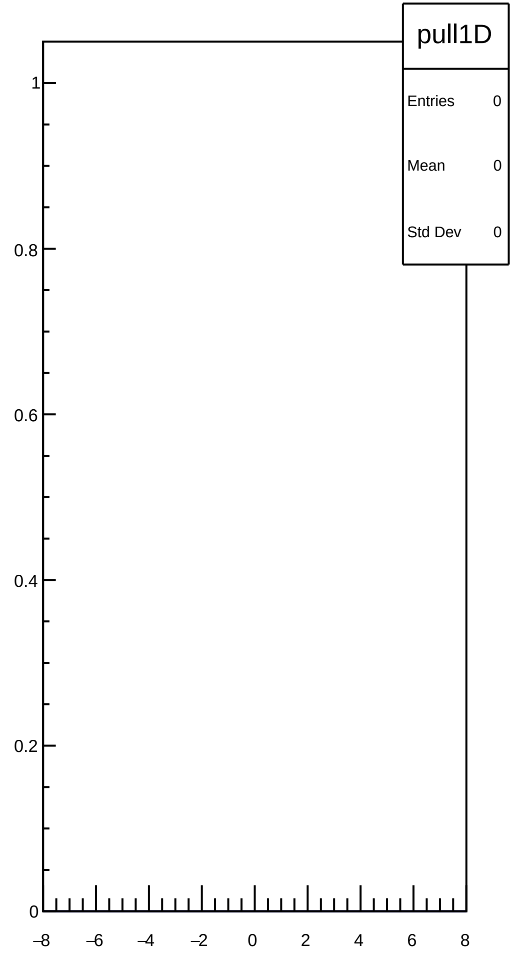
pull1D
Entries 0
Mean 0
Std Dev 0
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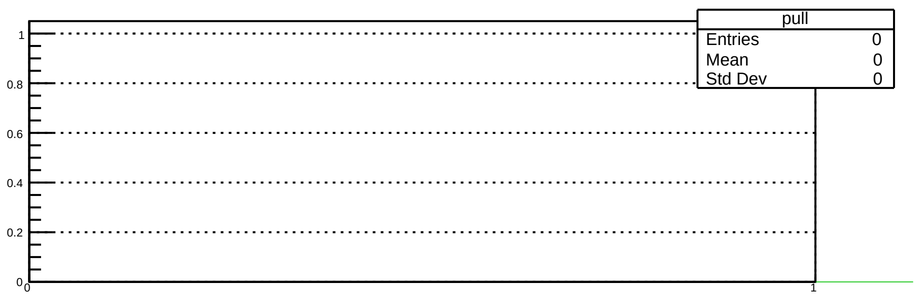

pull
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Std Dev 0
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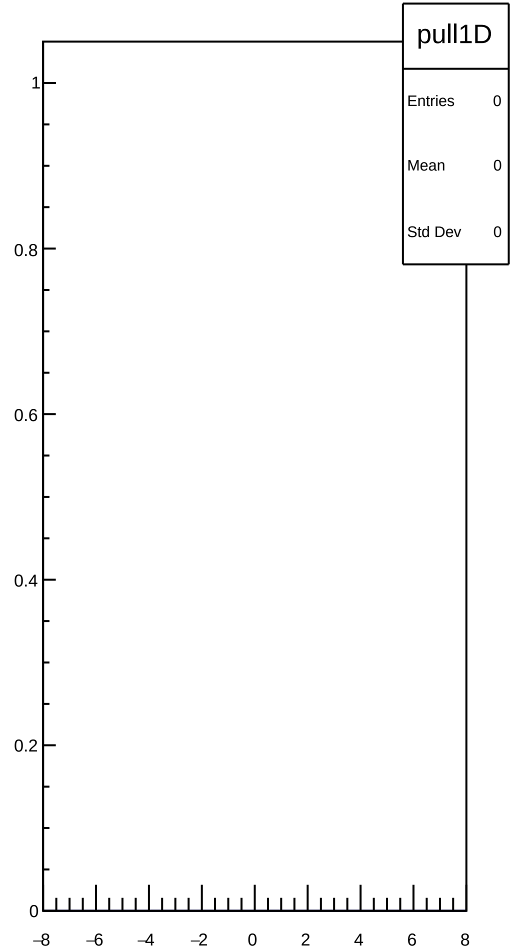

pull1D
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Std Dev 0
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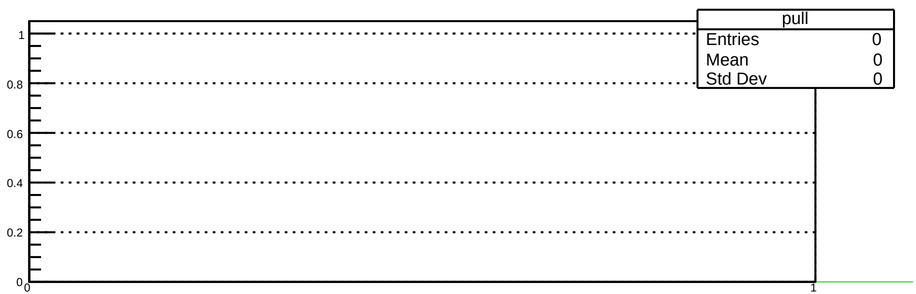

pull
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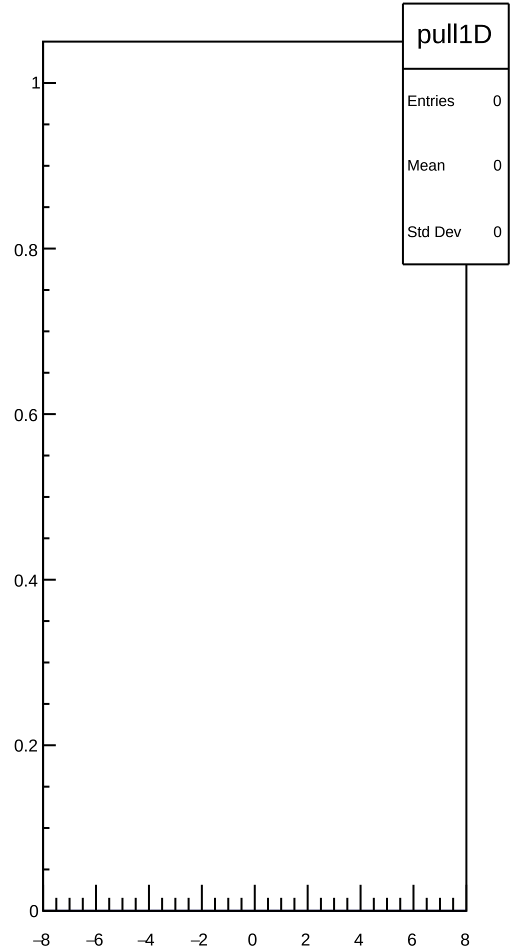
Mean 0
Std Dev 0



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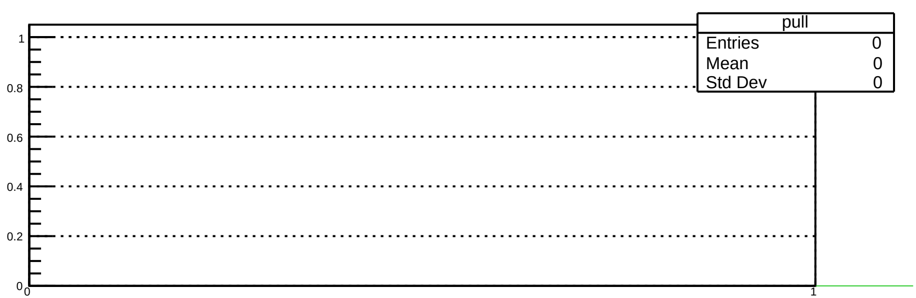
Std Dev 0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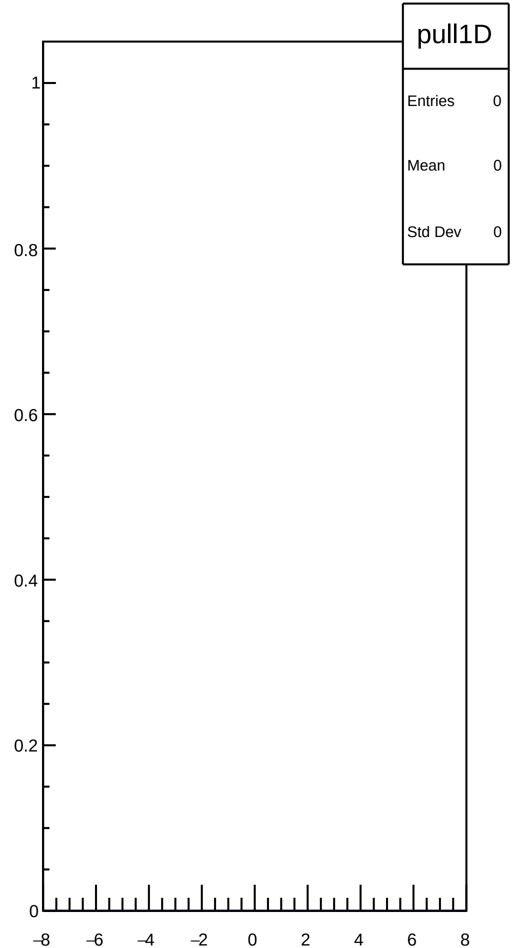
Std Dev 0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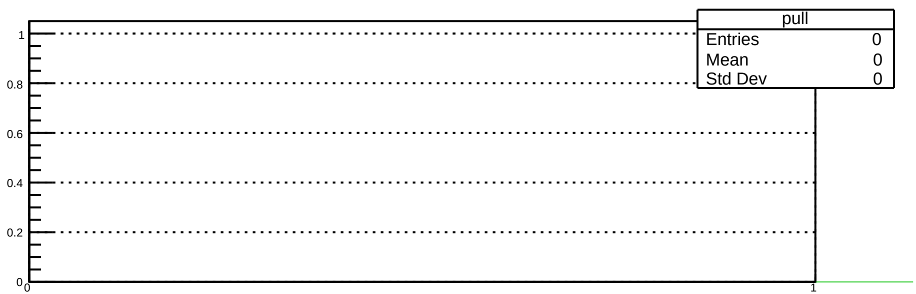
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Std Dev 0
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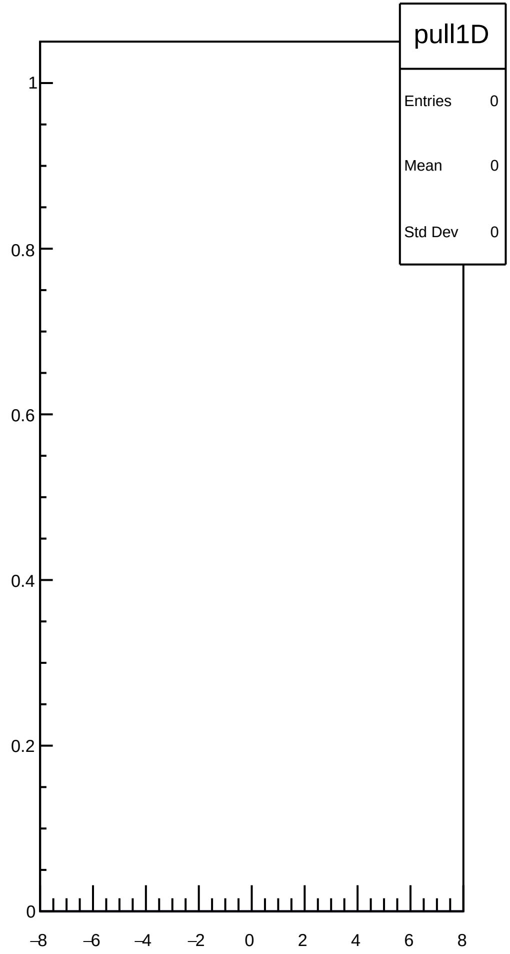
pull1D
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Mean 0
Std Dev 0
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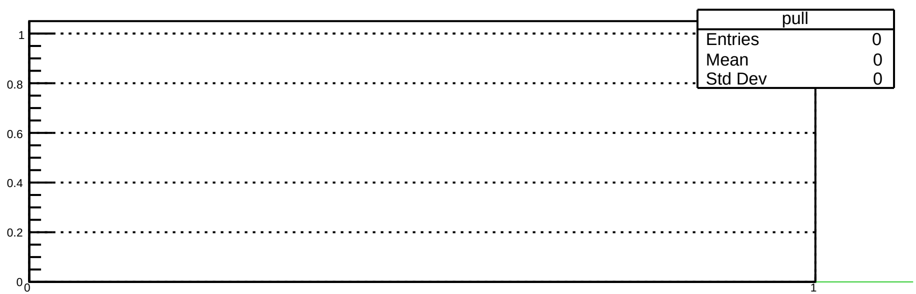
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Std Dev 0
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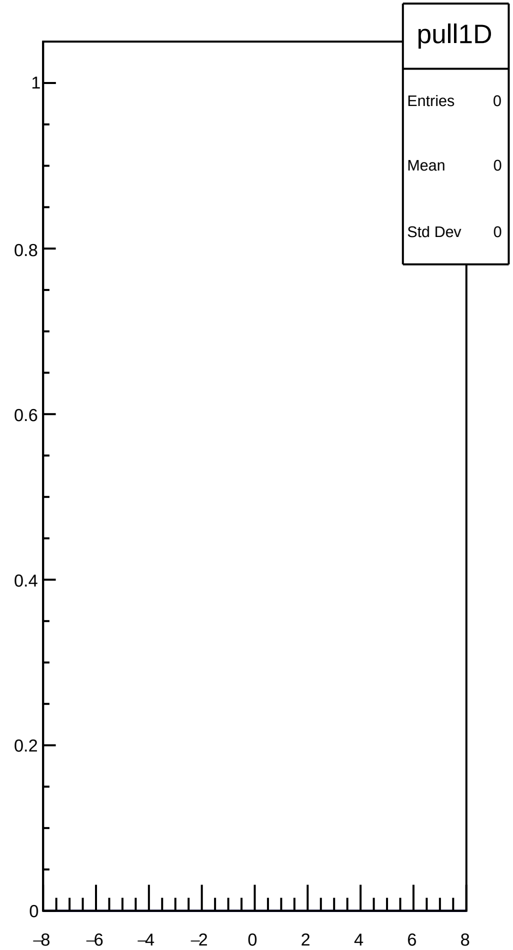
pull1D
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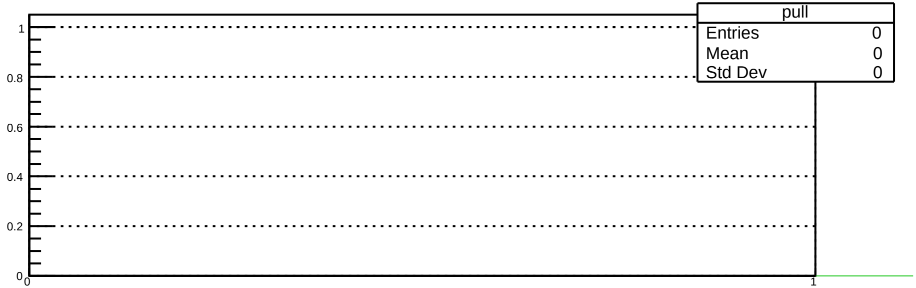

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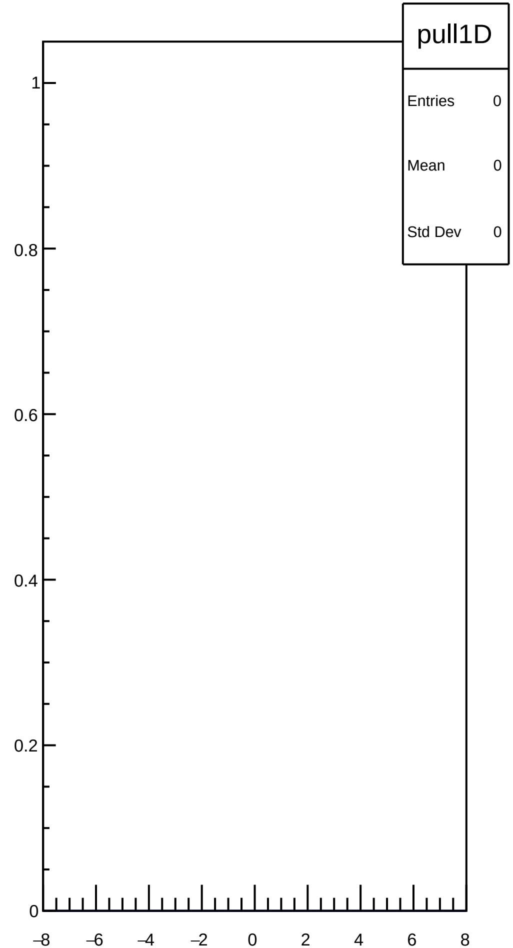

pull1D
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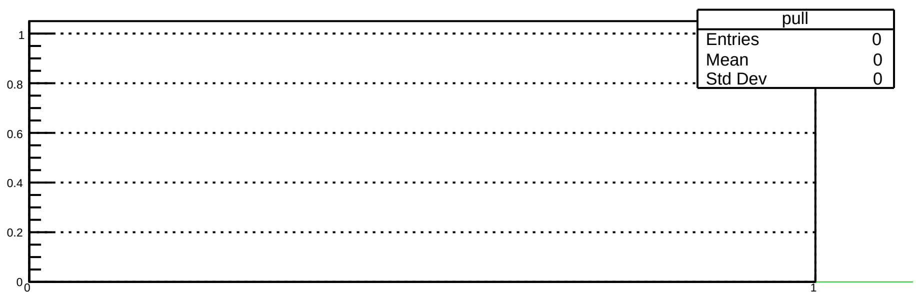
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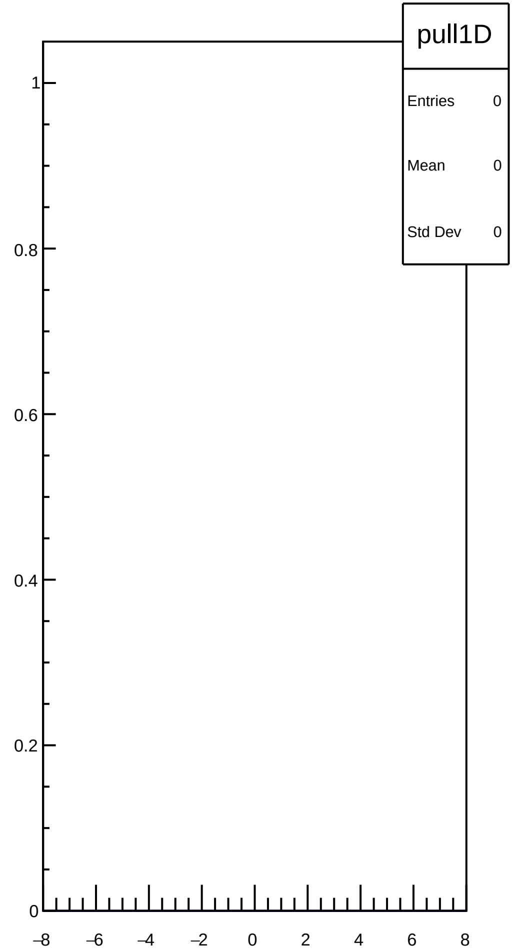
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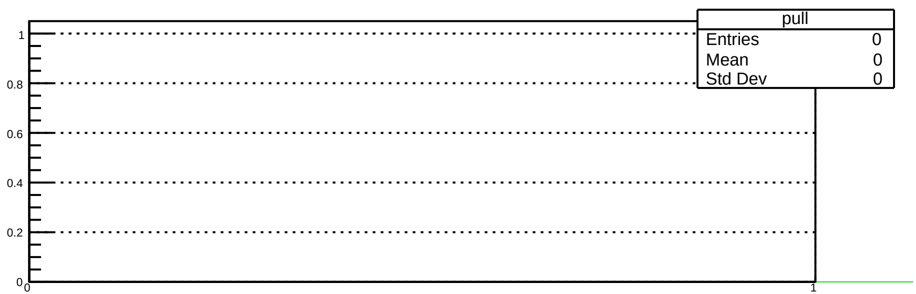
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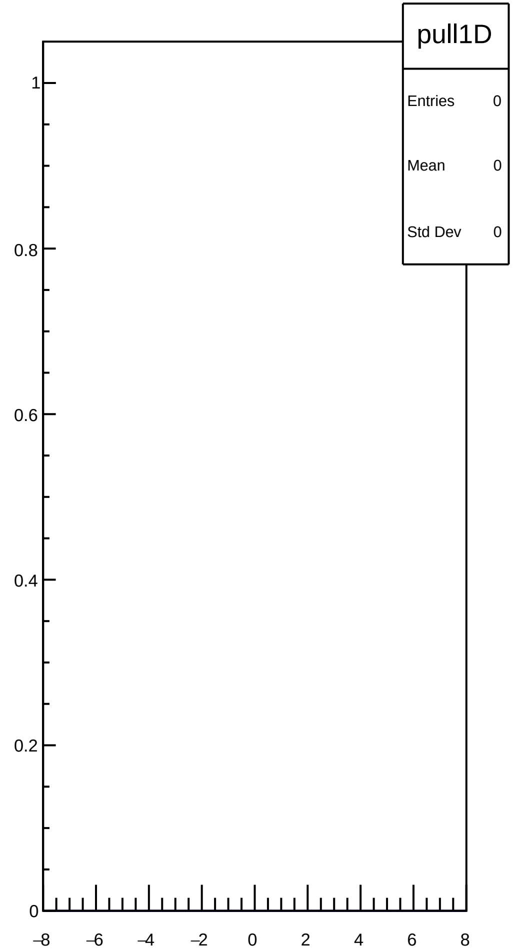
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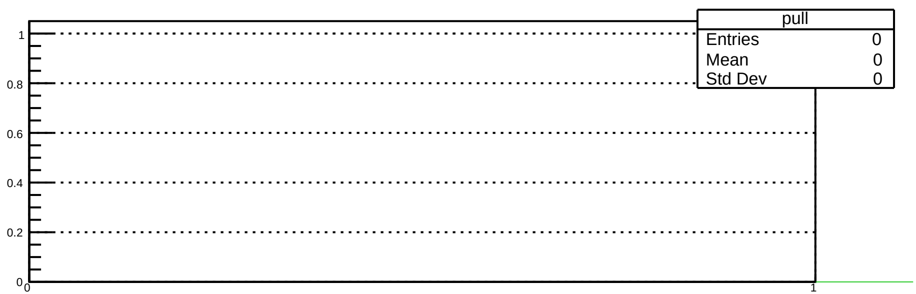
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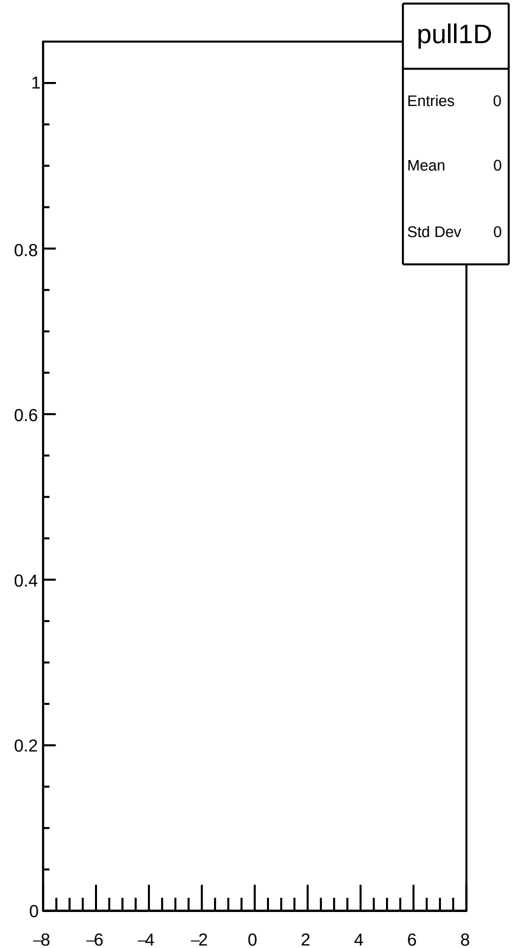
pull1D
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Mean 0
Std Dev 0
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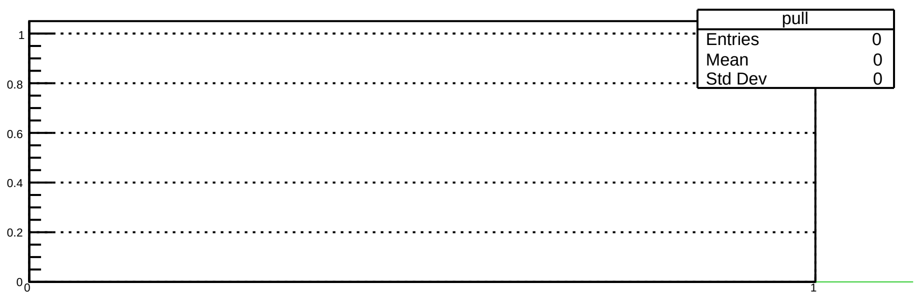
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Std Dev 0
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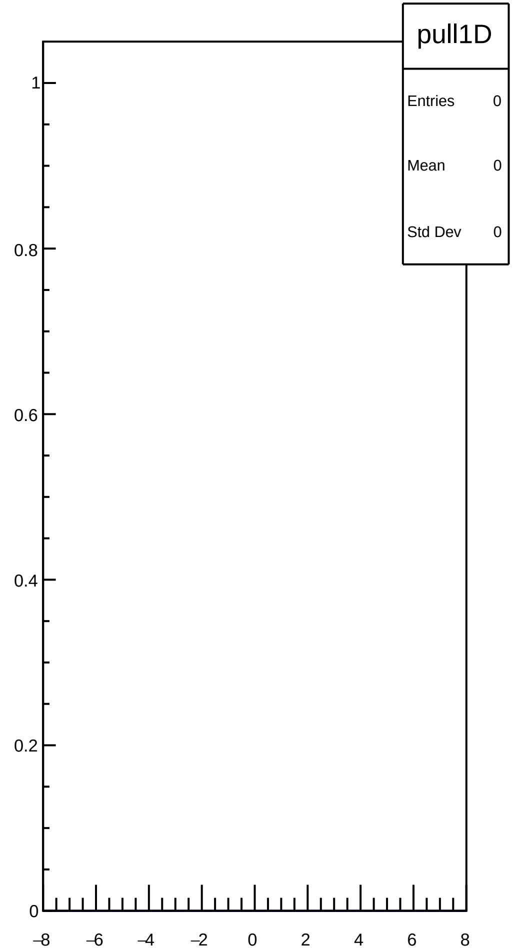
pull1D
Entries 0
Mean 0
Std Dev 0
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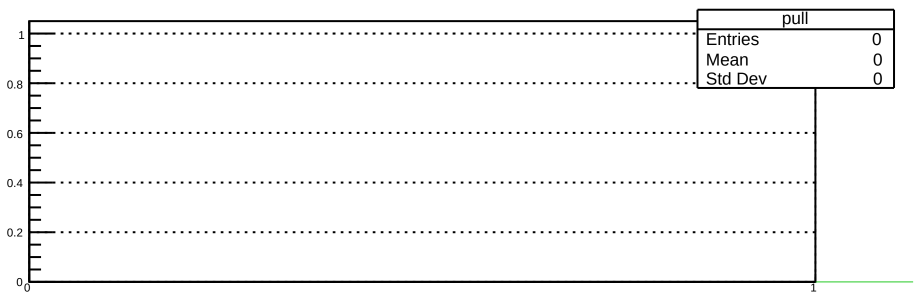
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Std Dev 0
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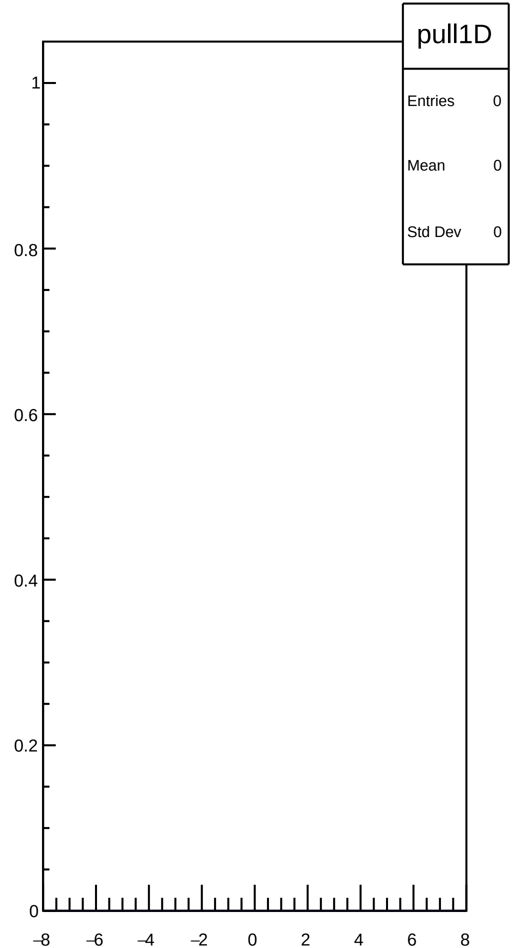
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Std Dev 0
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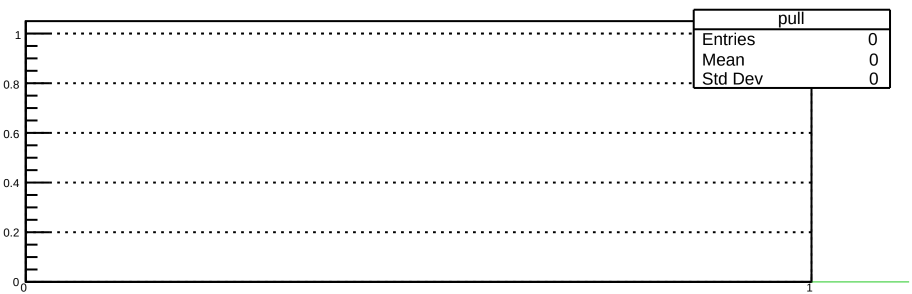
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Std Dev 0
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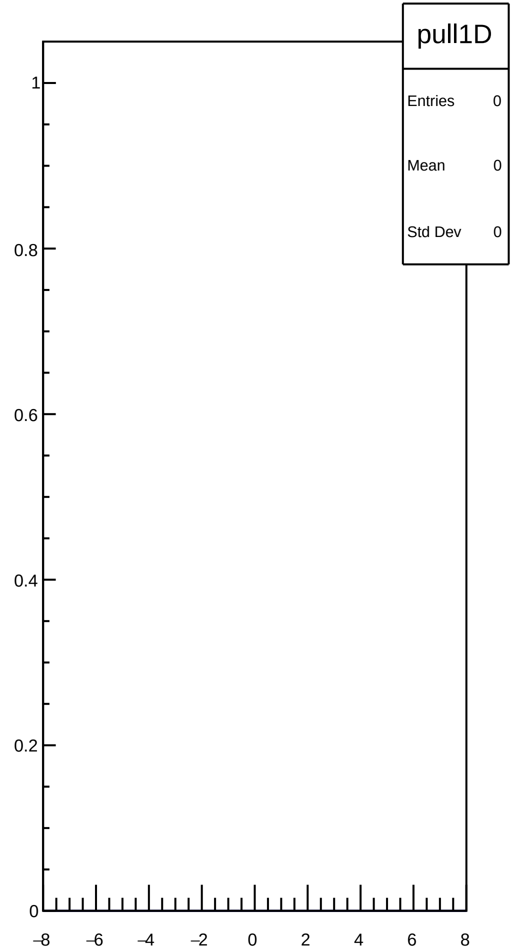
pull1D
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Std Dev 0
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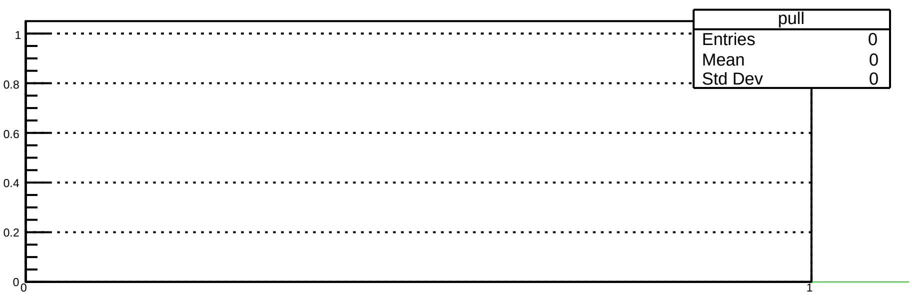
pull
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Std Dev 0
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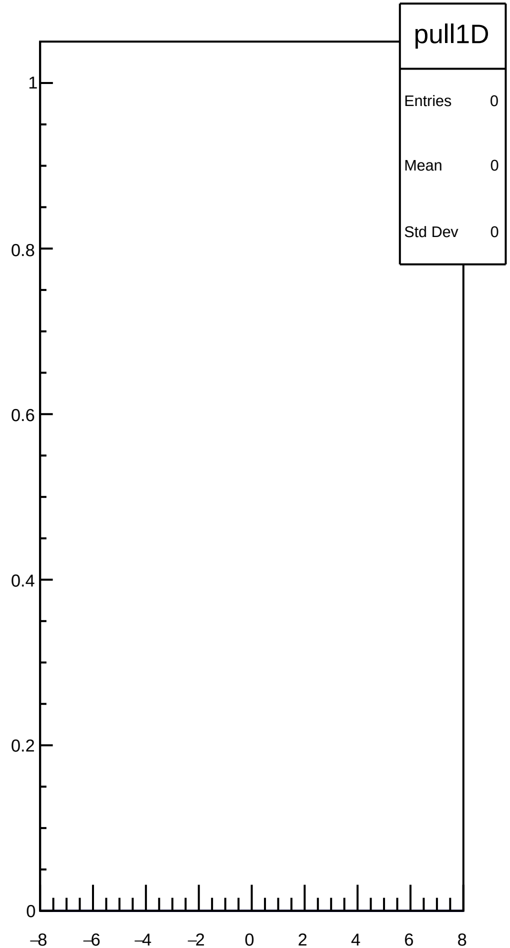
pull1D
Entries 0
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Std Dev 0
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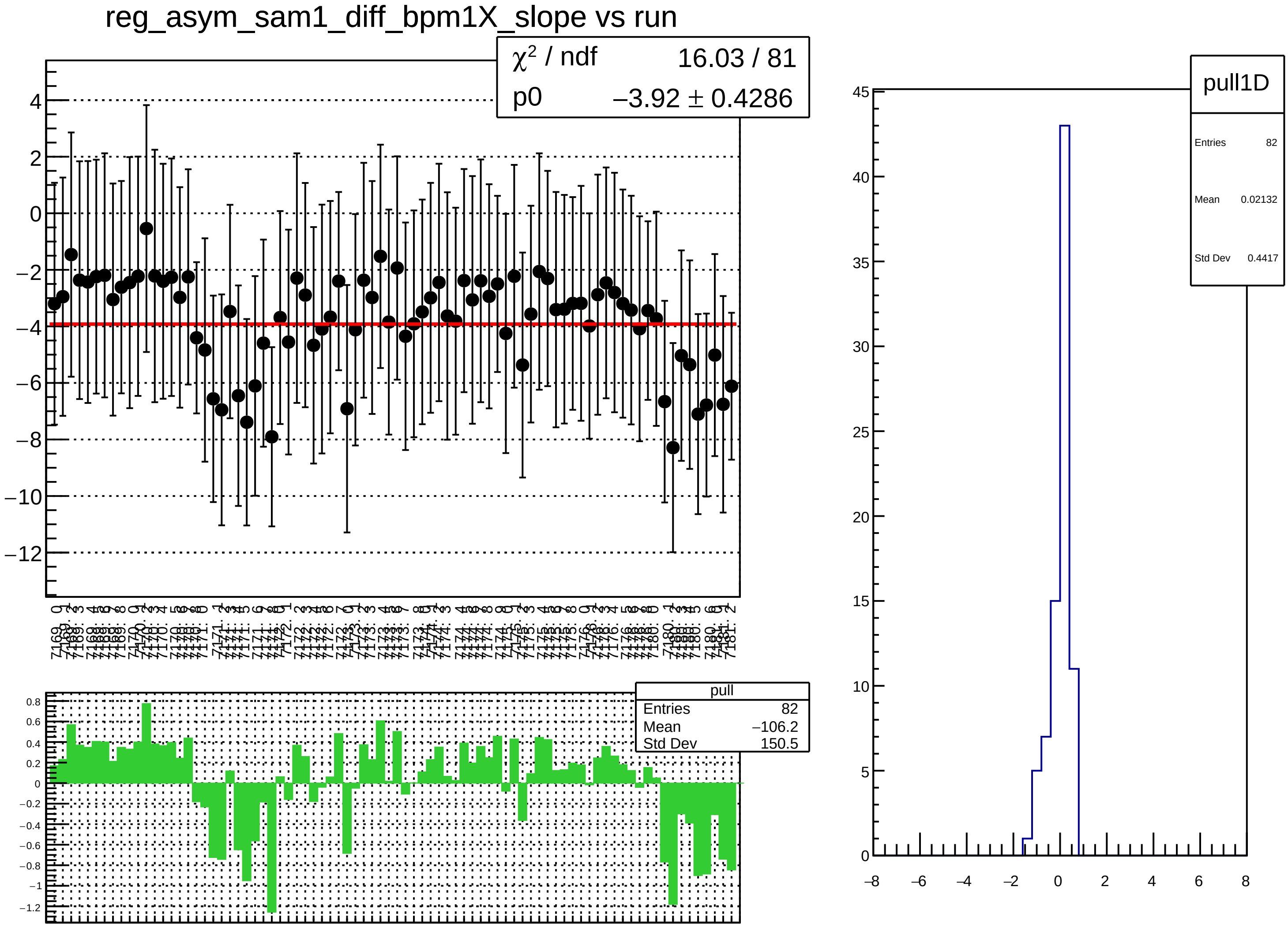
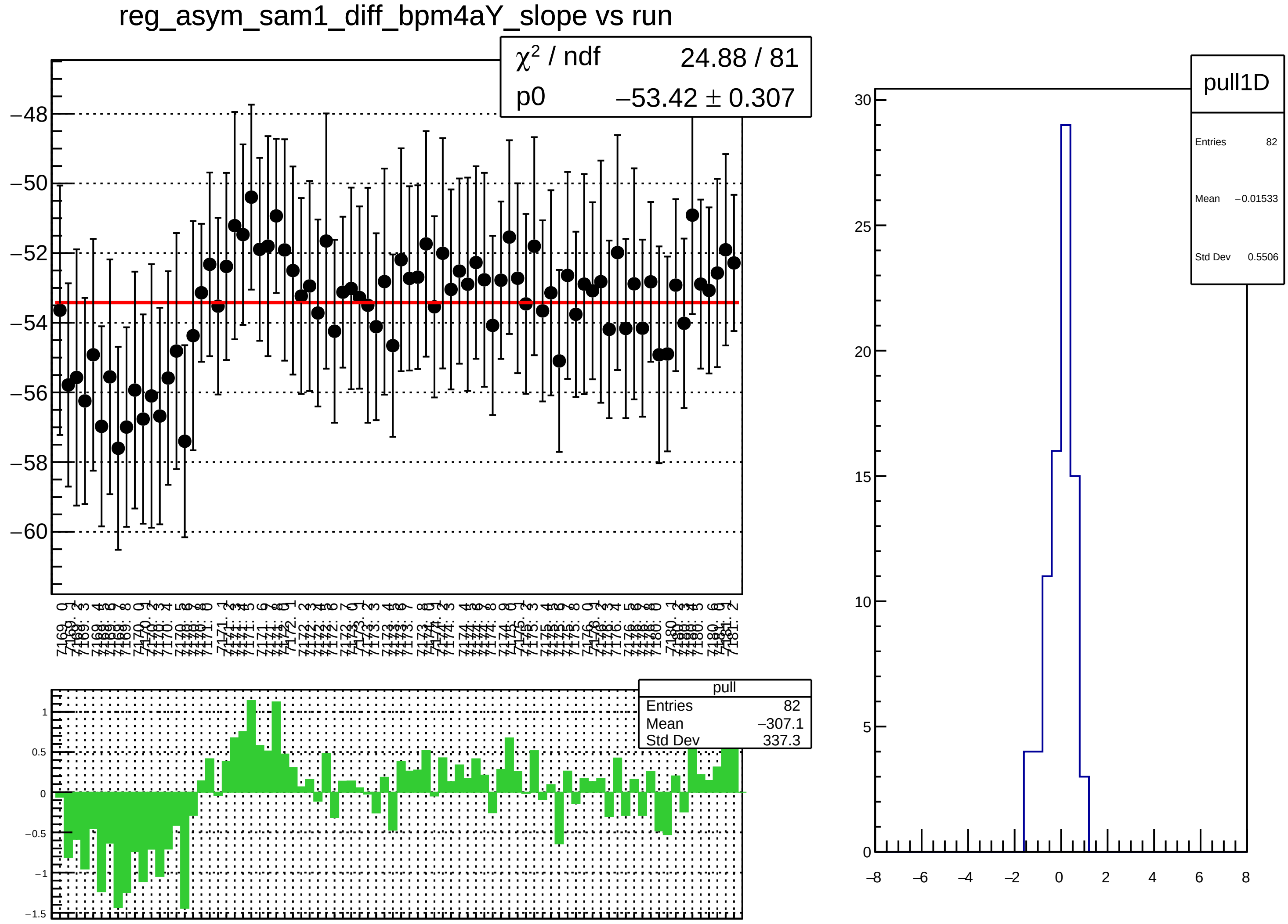
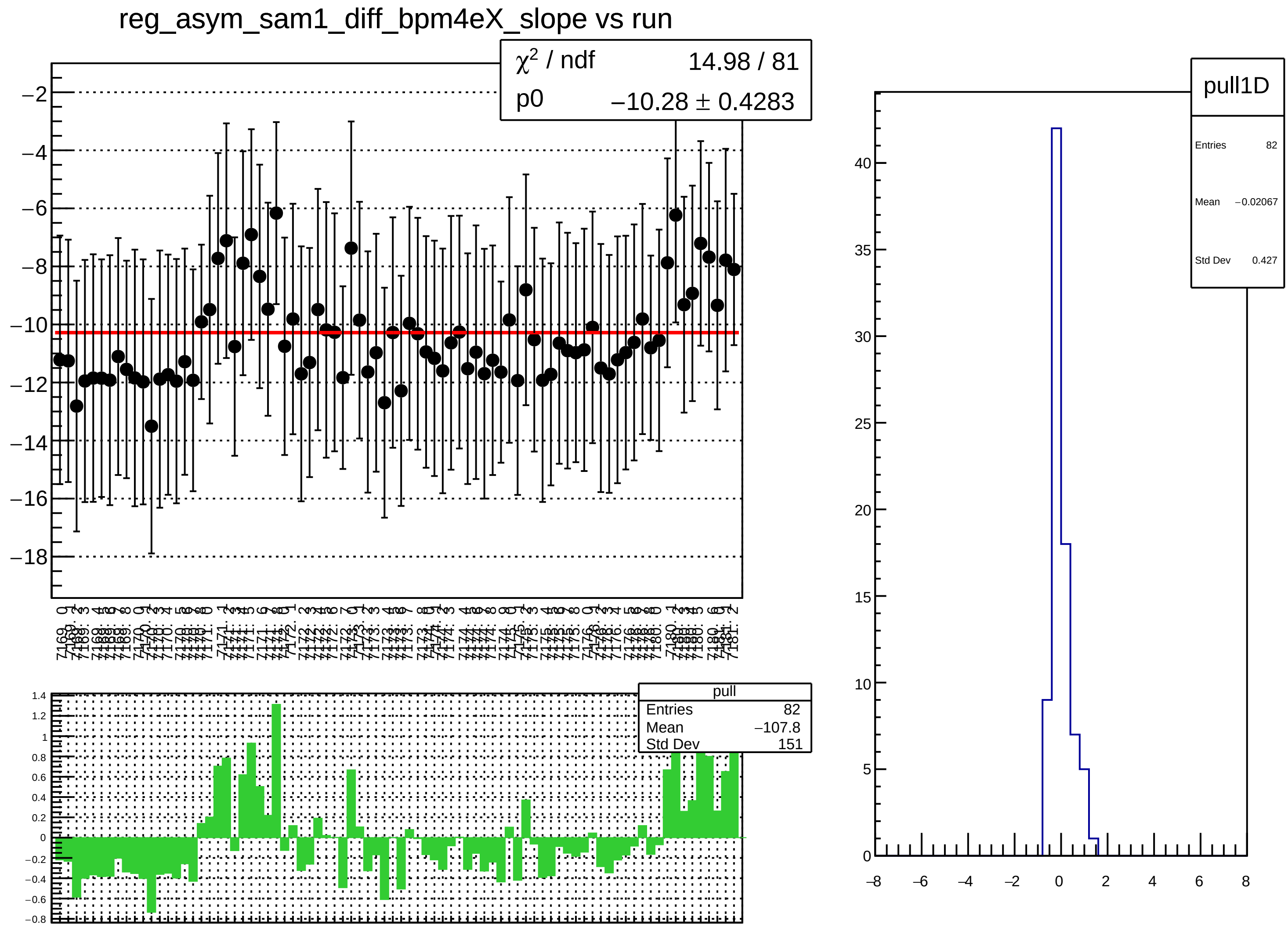
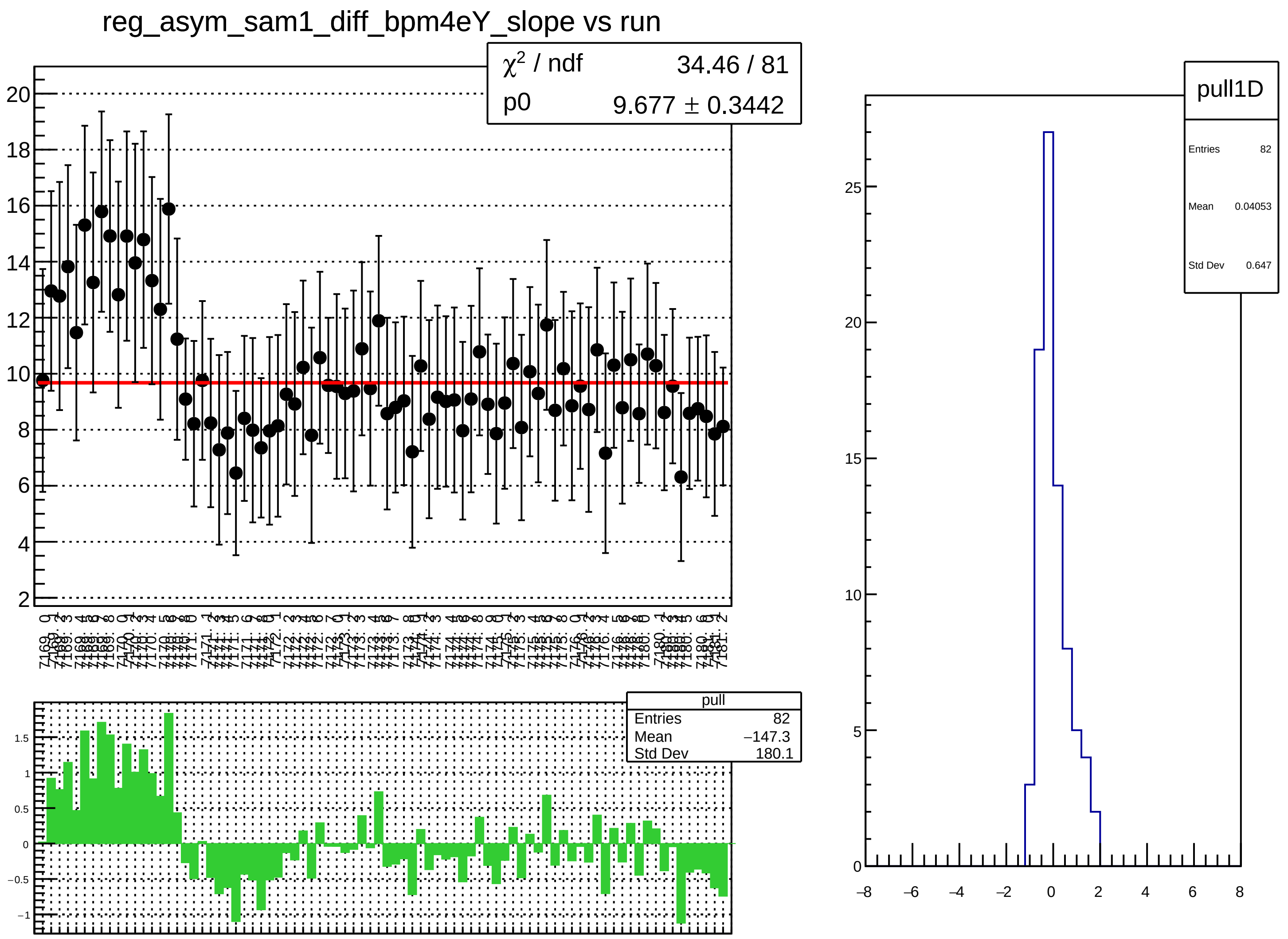
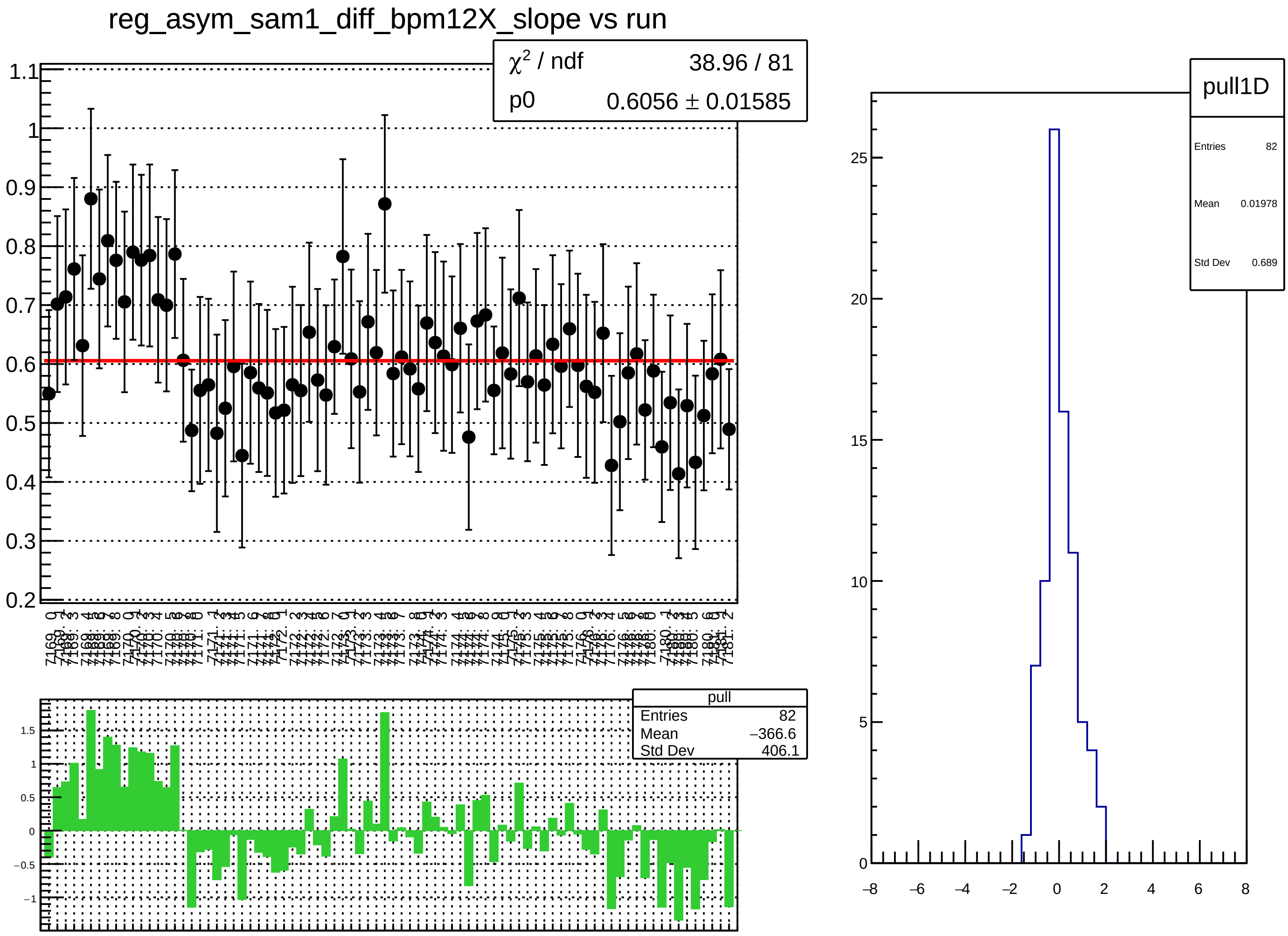

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 16.03 / 81
p0 −3.92 ± 0.4286
pull
Entries 82
Mean −106.2
Std Dev 150.5
pull1D
Entries 82
Mean 0.02132
Std Dev 0.4417

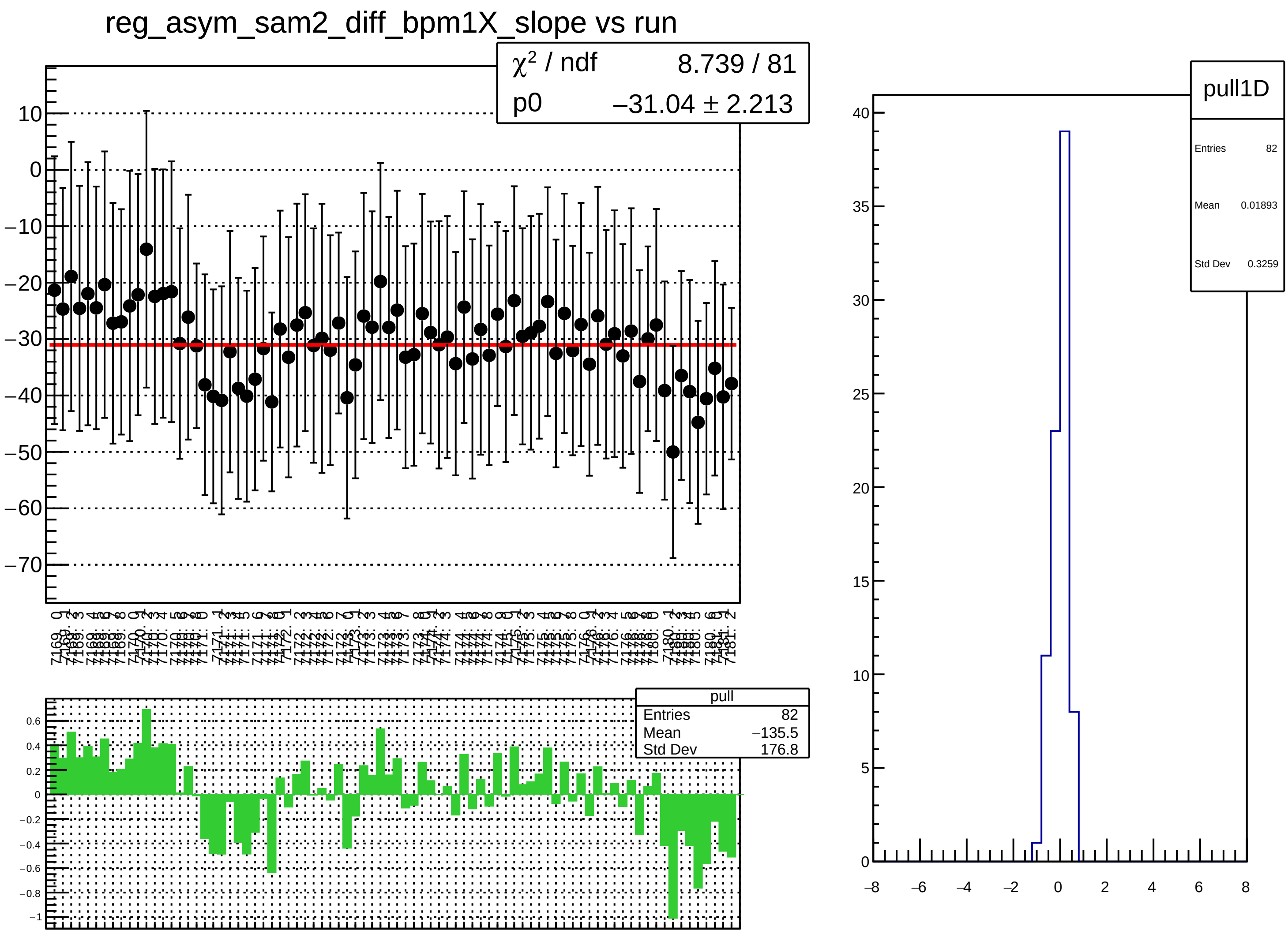


reg_asym_sam1_diff_bpm4aY_slope vs run
χ2 / ndf 24.88 / 81
p0 −53.42 ± 0.307
pull
Entries 82
Mean −307.1
Std Dev 337.3
pull1D
Entries 82
Mean −0.01533
Std Dev 0.5506

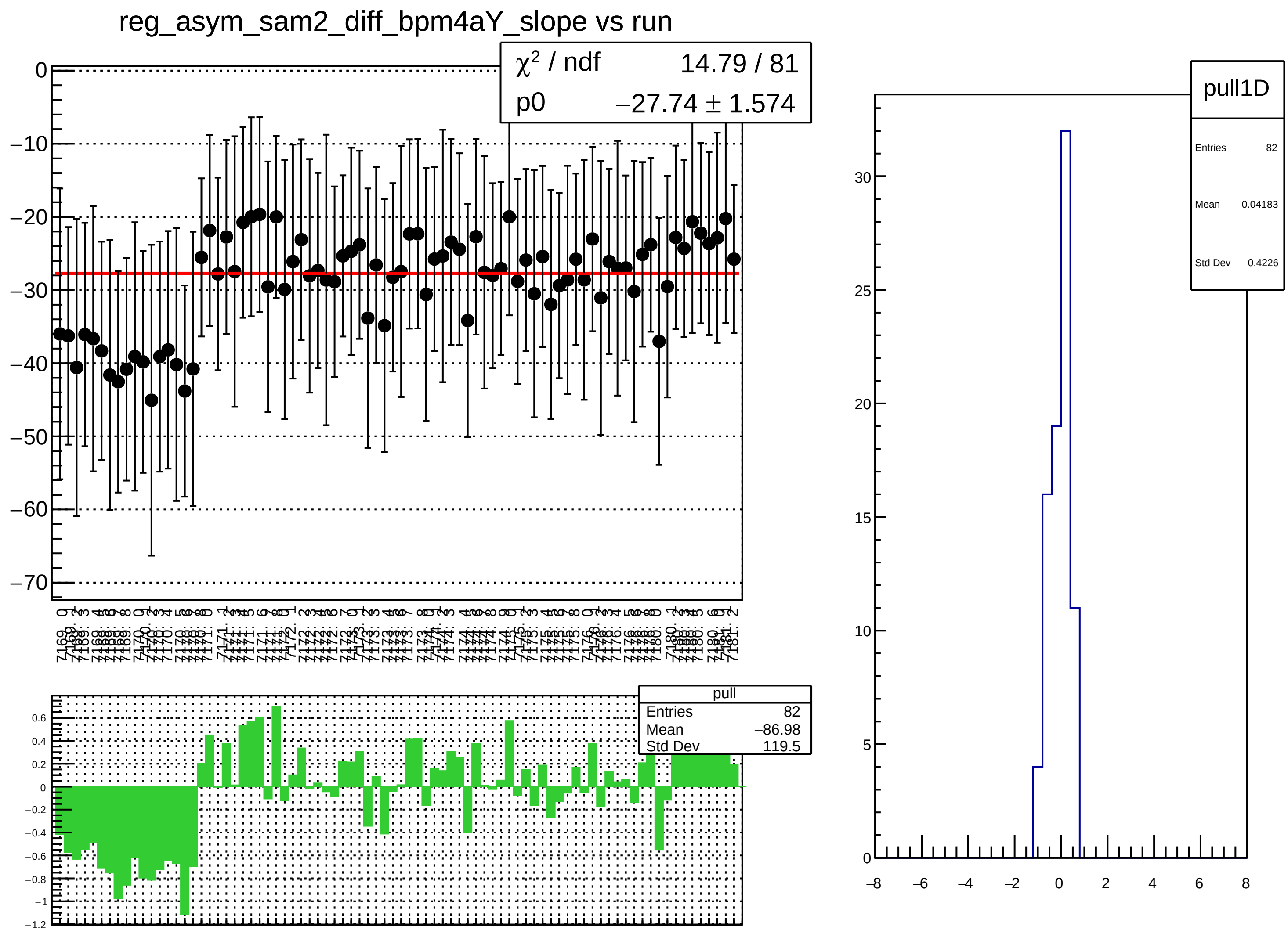

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 14.98 / 81
p0 −10.28 ± 0.4283
pull
Entries 82
Mean −107.8
Std Dev 151
pull1D
Entries 82
Mean −0.02067
Std Dev 0.427


reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 34.46 / 81
p0 9.677 ± 0.3442
pull
Entries 82
Mean −147.3
Std Dev 180.1
pull1D
Entries 82
Mean 0.04053
Std Dev 0.647

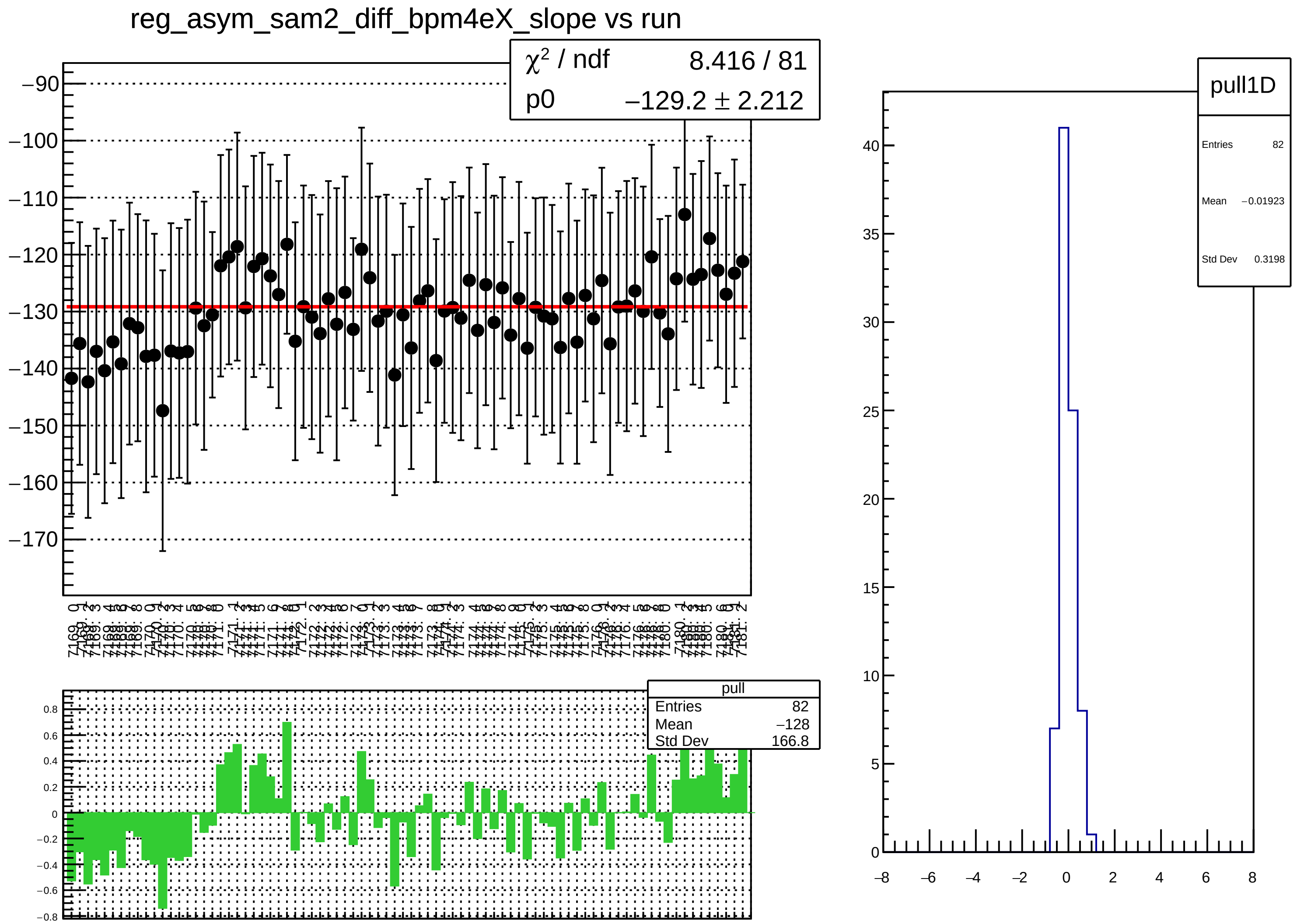

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 38.96 / 81
p0 0.6056 ± 0.01585
pull
Entries 82
Mean −366.6
Std Dev 406.1
pull1D
Entries 82
Mean 0.01978
Std Dev 0.689

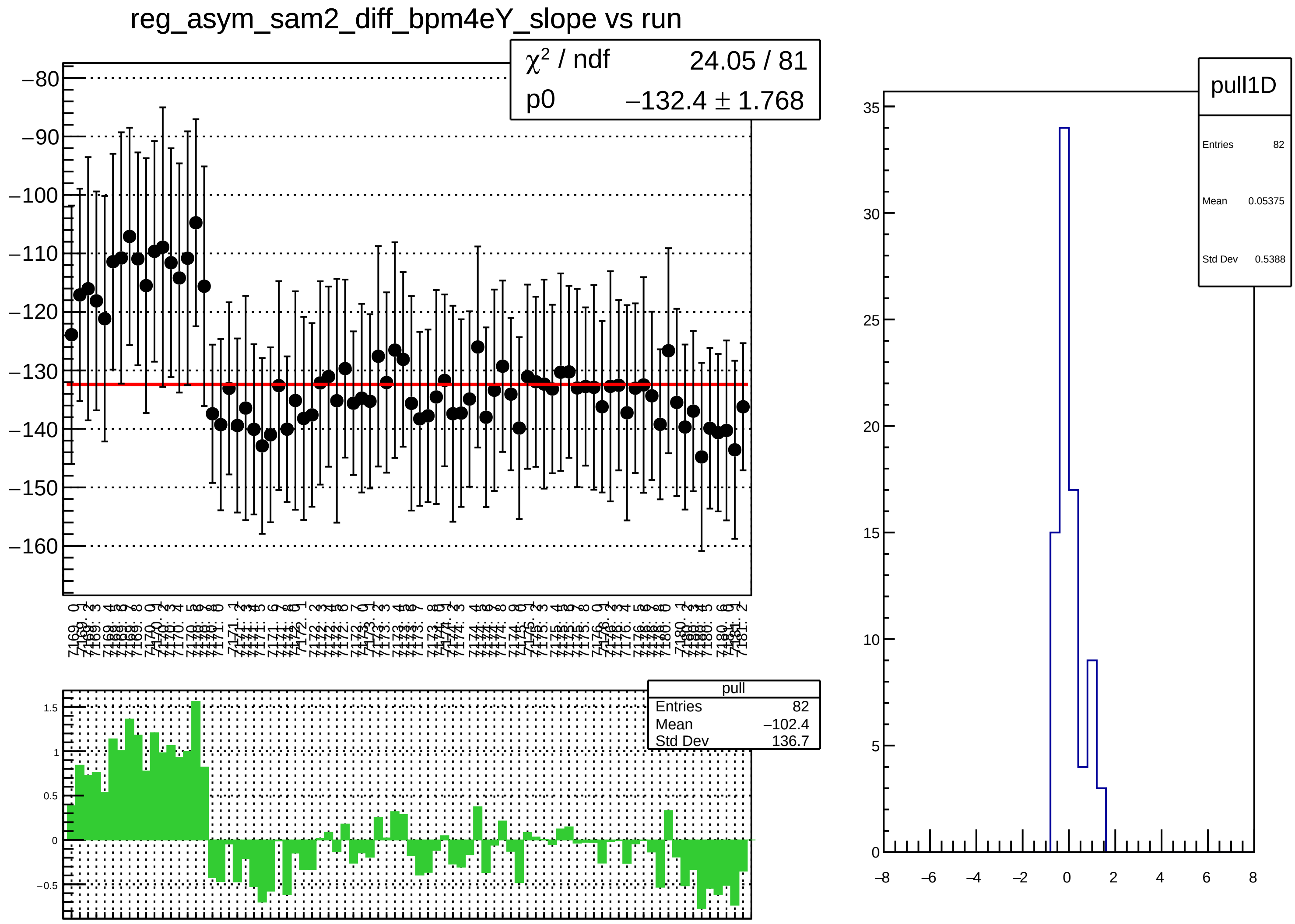


reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 8.739 / 81
p0 −31.04 ± 2.213
pull
Entries 82
Mean −135.5
Std Dev 176.8
pull1D
Entries 82
Mean 0.01893
Std Dev 0.3259

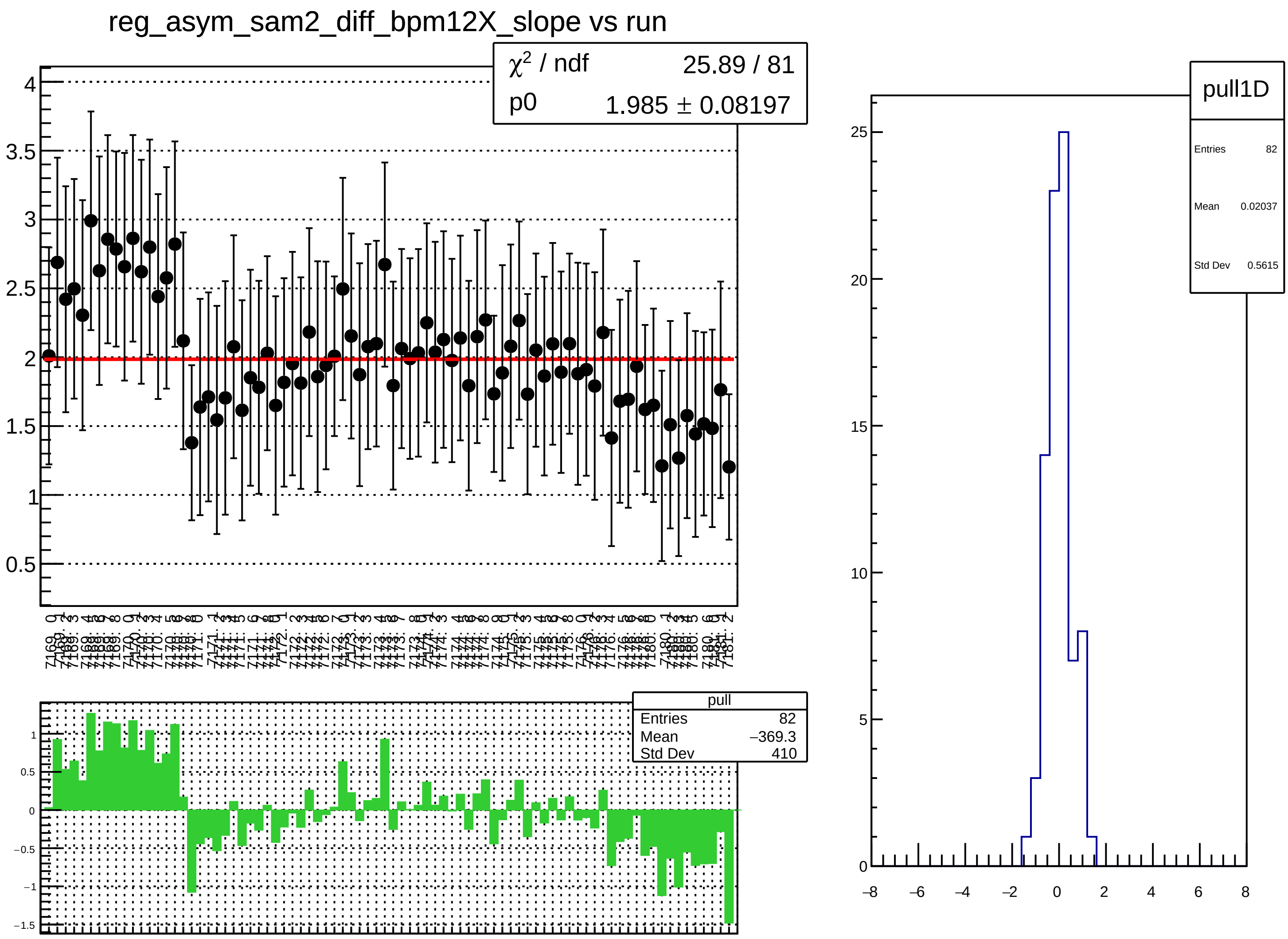


reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 14.79 / 81
p0 −27.74 ± 1.574
pull
Entries 82
Mean −86.98
Std Dev 119.5
pull1D
Entries 82
Mean −0.04183
Std Dev 0.4226

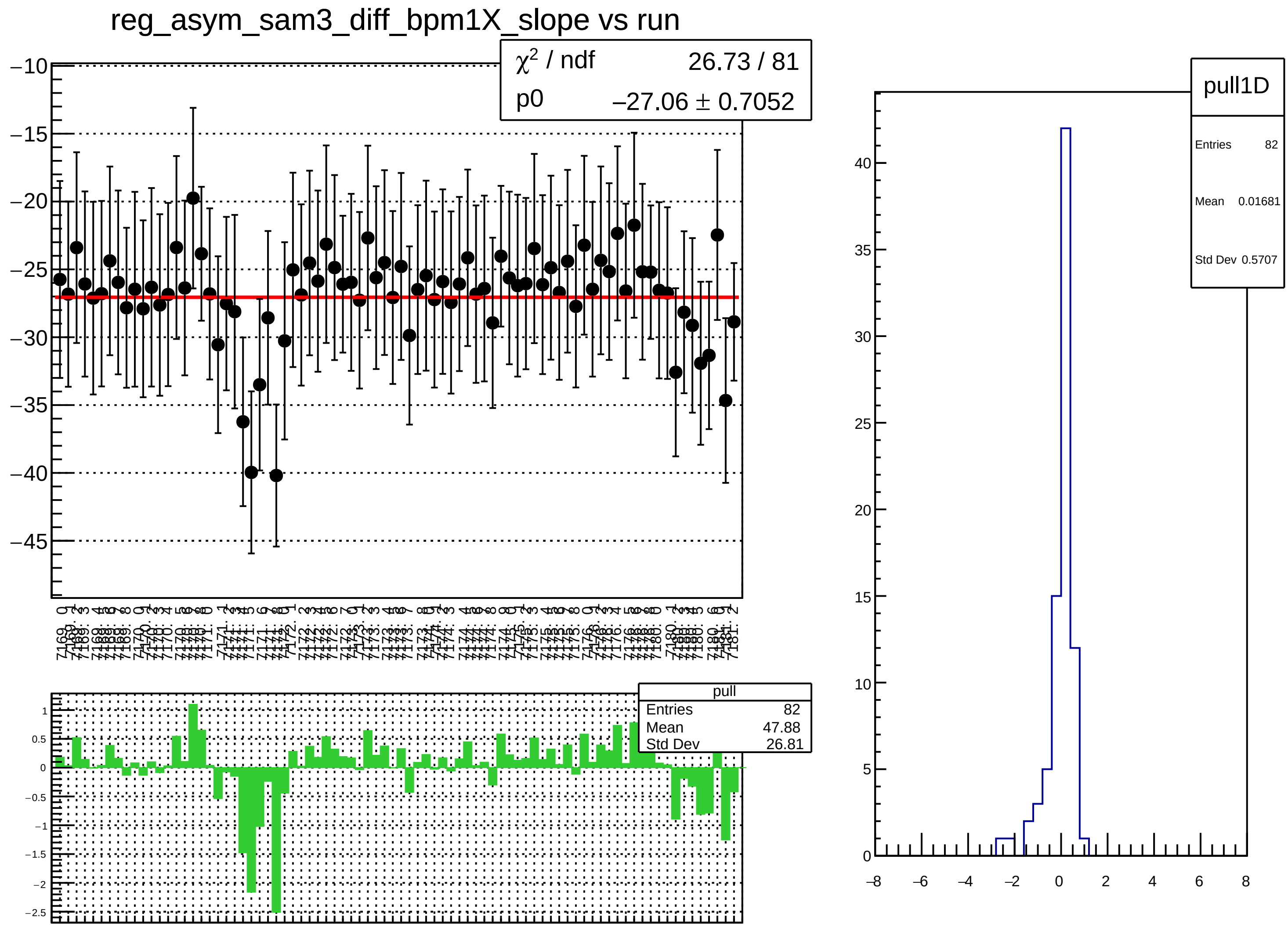

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.416 / 81
p0 −129.2 ± 2.212
pull
Entries 82
Mean −128
Std Dev 166.8
pull1D
Entries 82
Mean −0.01923
Std Dev 0.3198

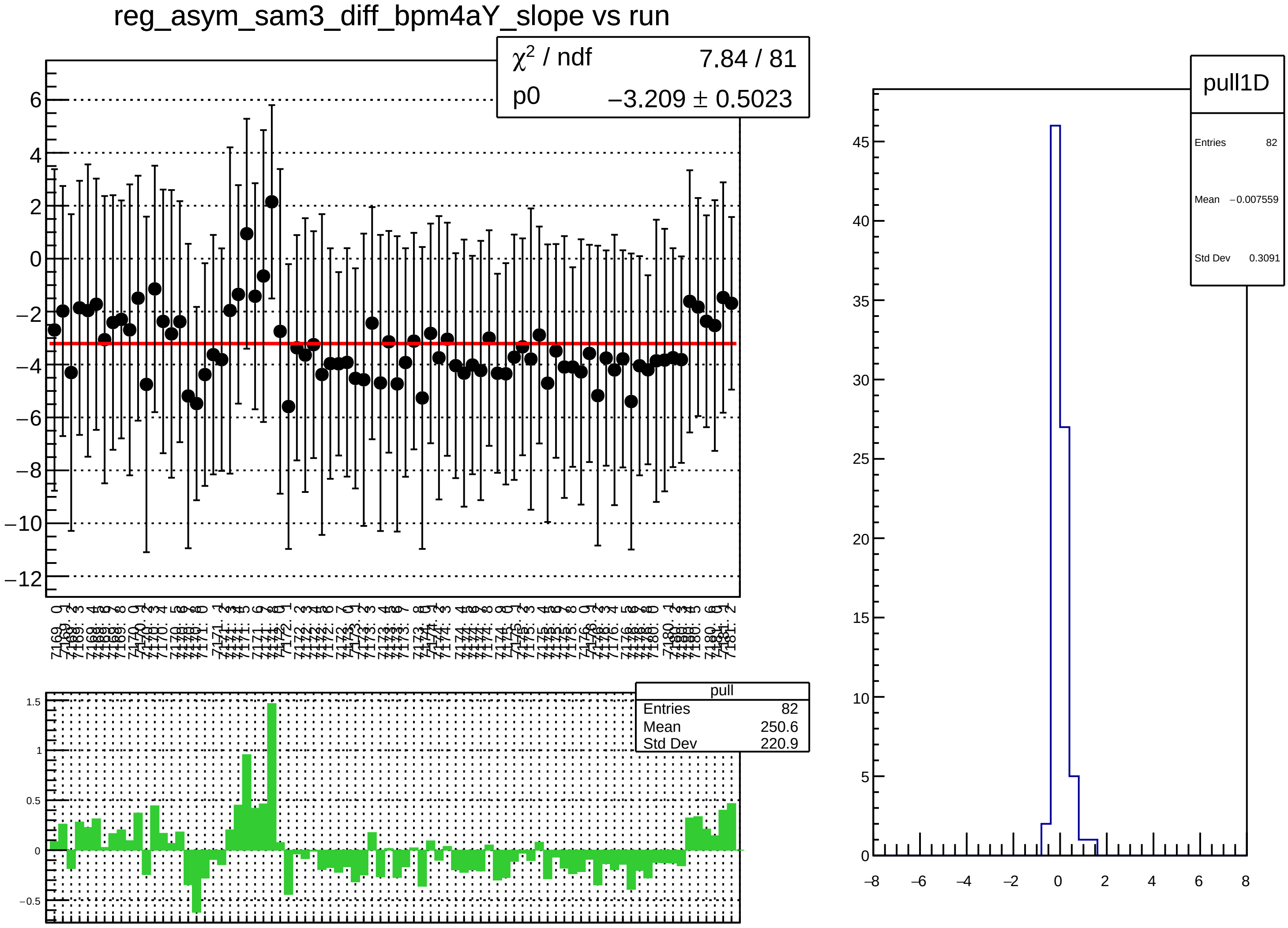


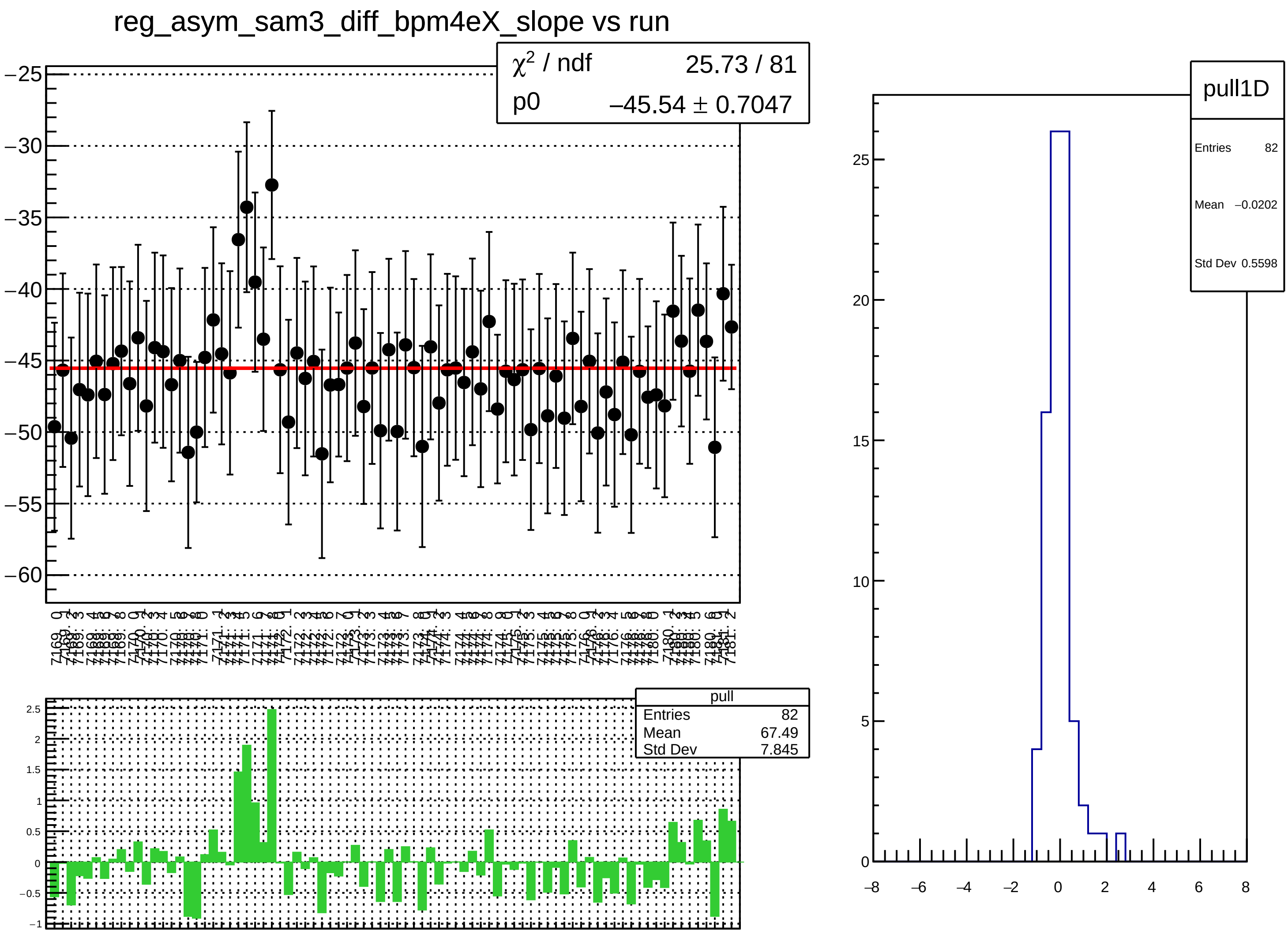
reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 24.05 / 81
p0 −132.4 ± 1.768
pull
Entries 82
Mean −102.4
Std Dev 136.7
pull1D
Entries 82
Mean 0.05375
Std Dev 0.5388



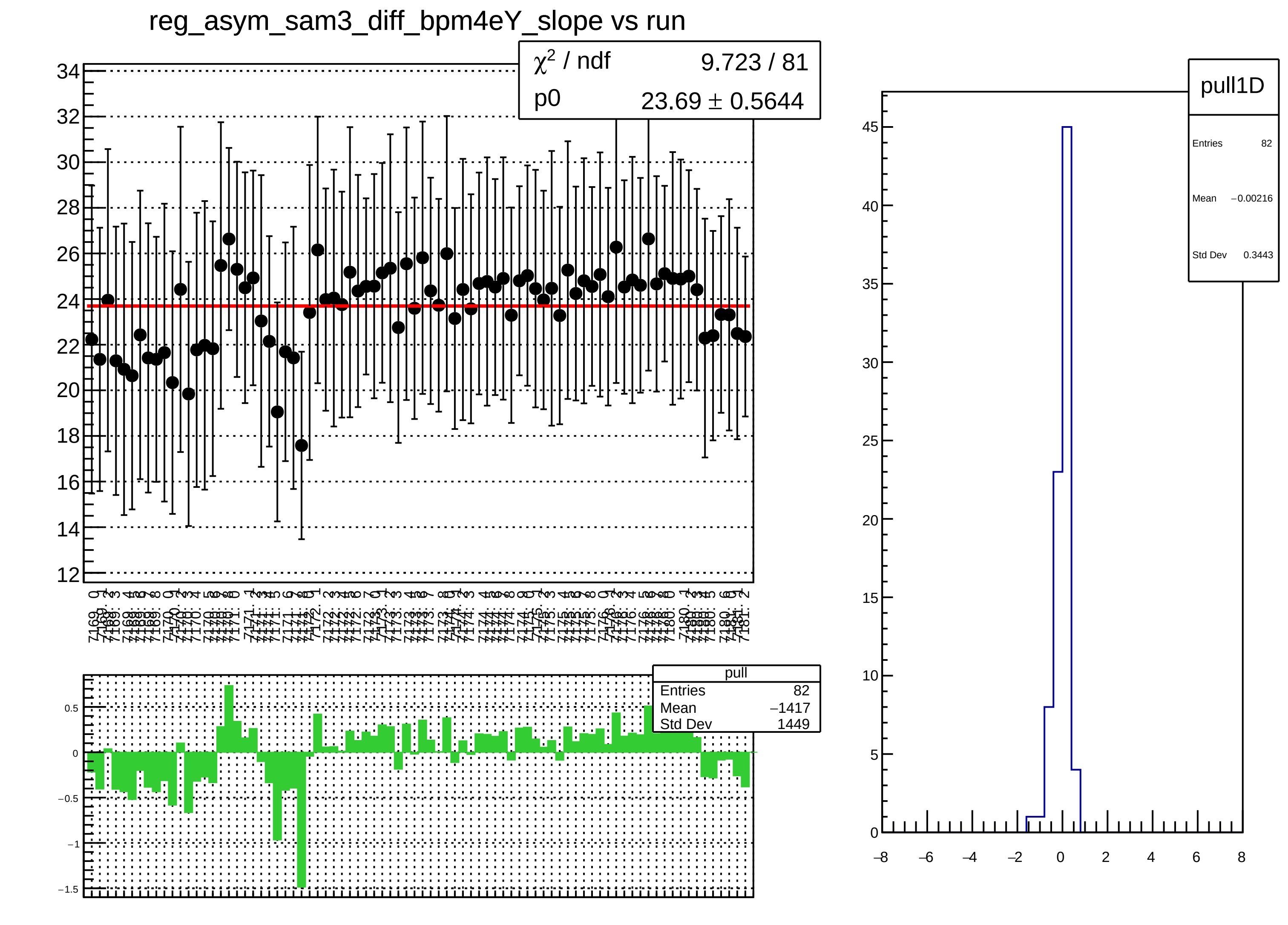
reg_asym_sam2_diff_bpm12X_slope vs run
χ2 / ndf 25.89 / 81
p0 1.985 ± 0.08197
pull
Entries 82
Mean −369.3
Std Dev 410
pull1D
Entries 82
Mean 0.02037
Std Dev 0.5615

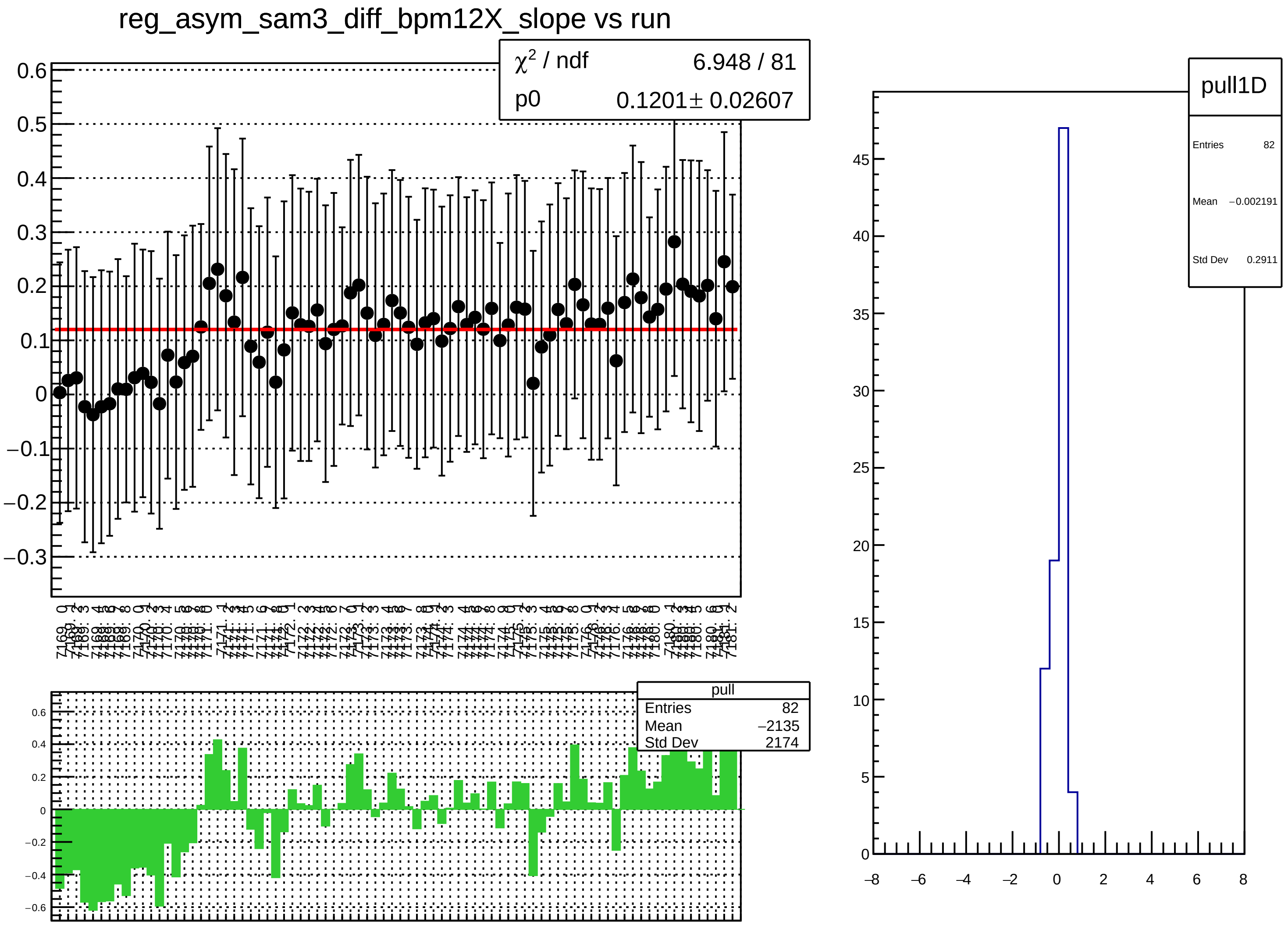

reg_asym_sam3_diff_bpm1X_slope vs run
χ2 / ndf 26.73 / 81
p0 −27.06 ± 0.7052
−10
−15
−20
−25
−30
−35
−40
−45
pull
Entries 82
Mean 47.88
Std Dev 26.81
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean 0.01681
Std Dev 0.5707
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 7.84 / 81
p0 −3.209 ± 0.5023
pull
Entries 82
Mean 250.6
Std Dev 220.9
pull1D
Entries 82
Mean −0.007559
Std Dev 0.3091

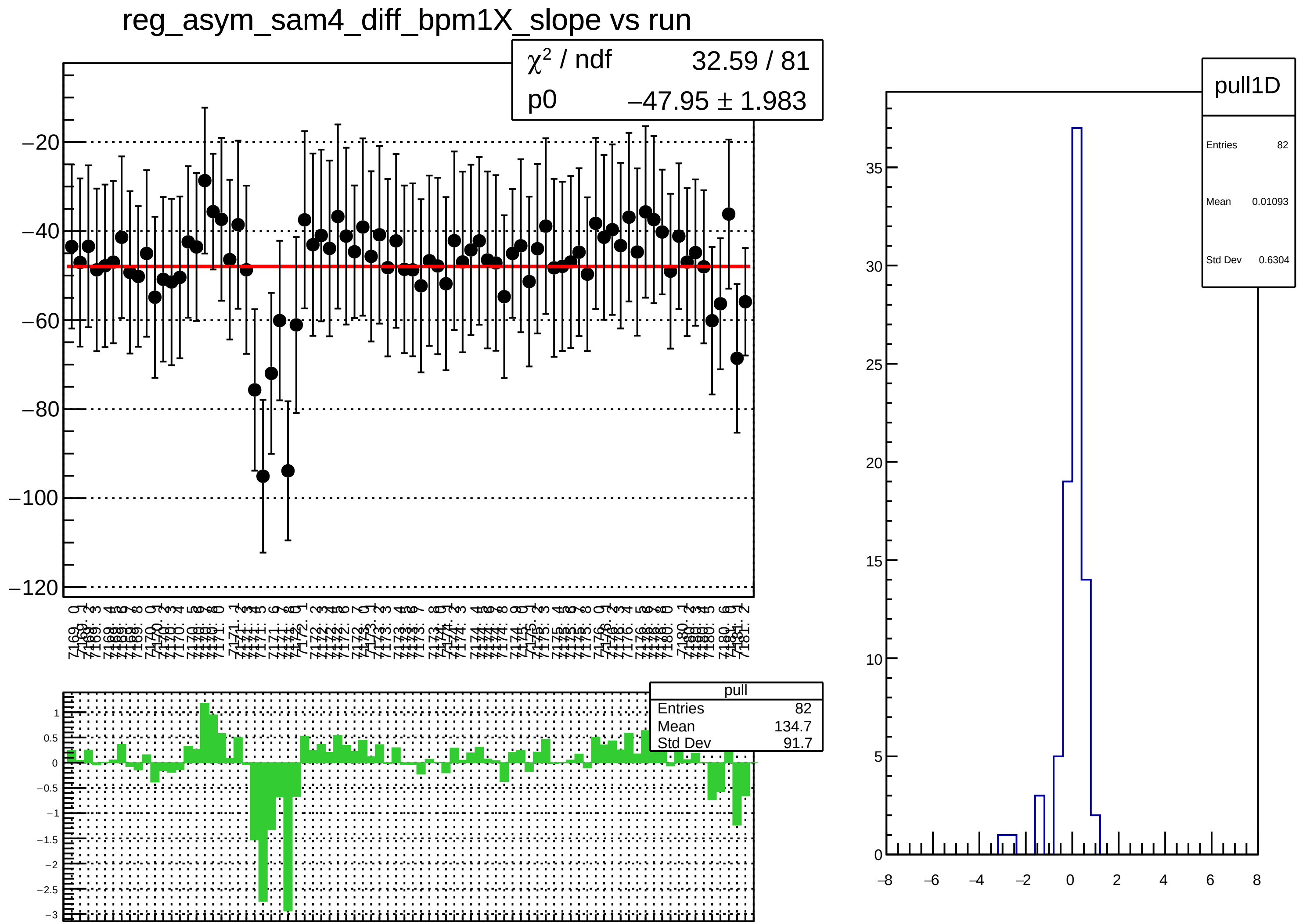


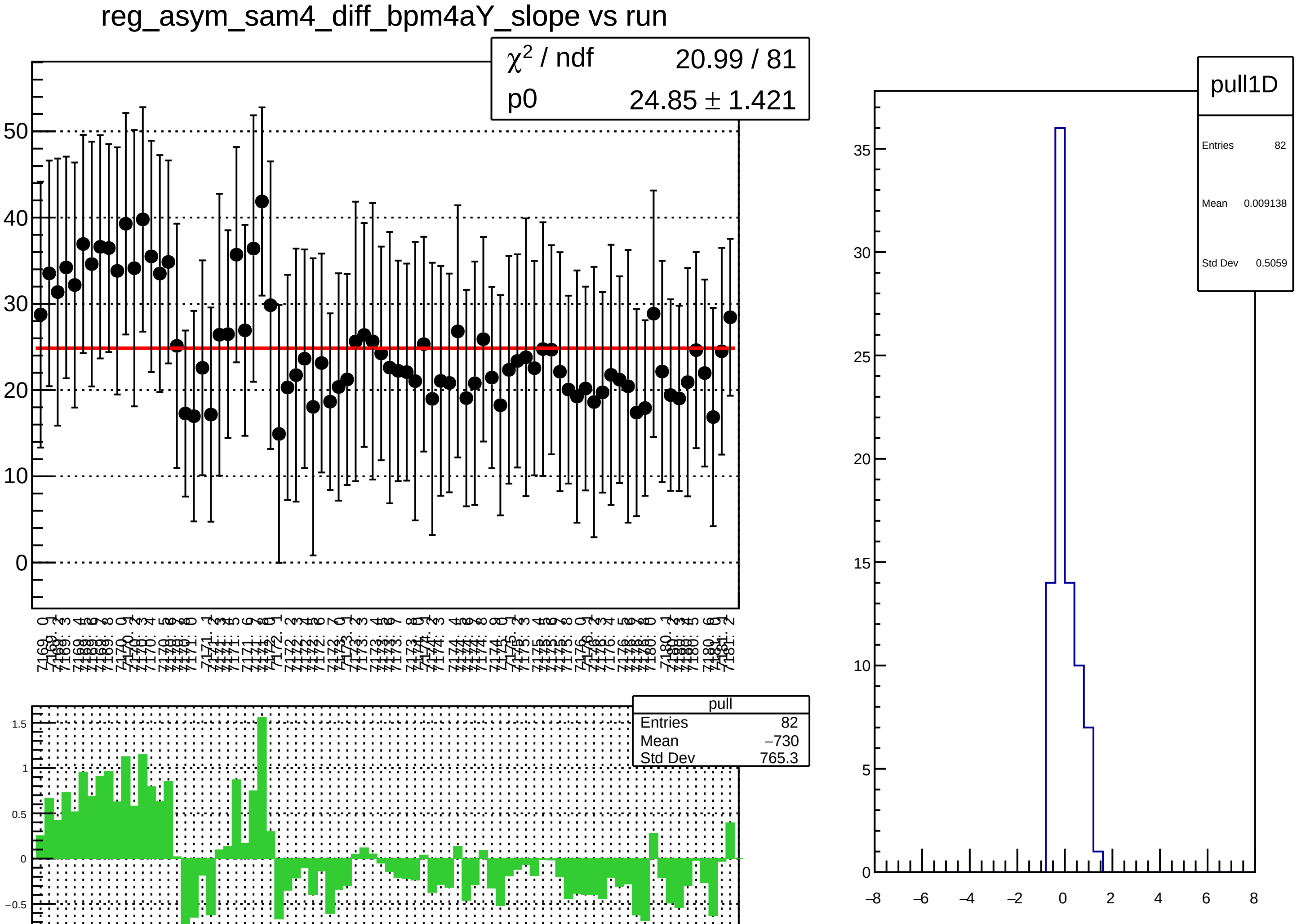
reg_asym_sam3_diff_bpm4eX_slope vs run
χ2 / ndf 25.73 / 81
p0 −45.54 ± 0.7047
−25
−30
−35
−40
−45
−50
−55
−60
pull
Entries 82
Mean 67.49
Std Dev 7.845
pull1D
Entries 82
Mean −0.0202
Std Dev 0.5598

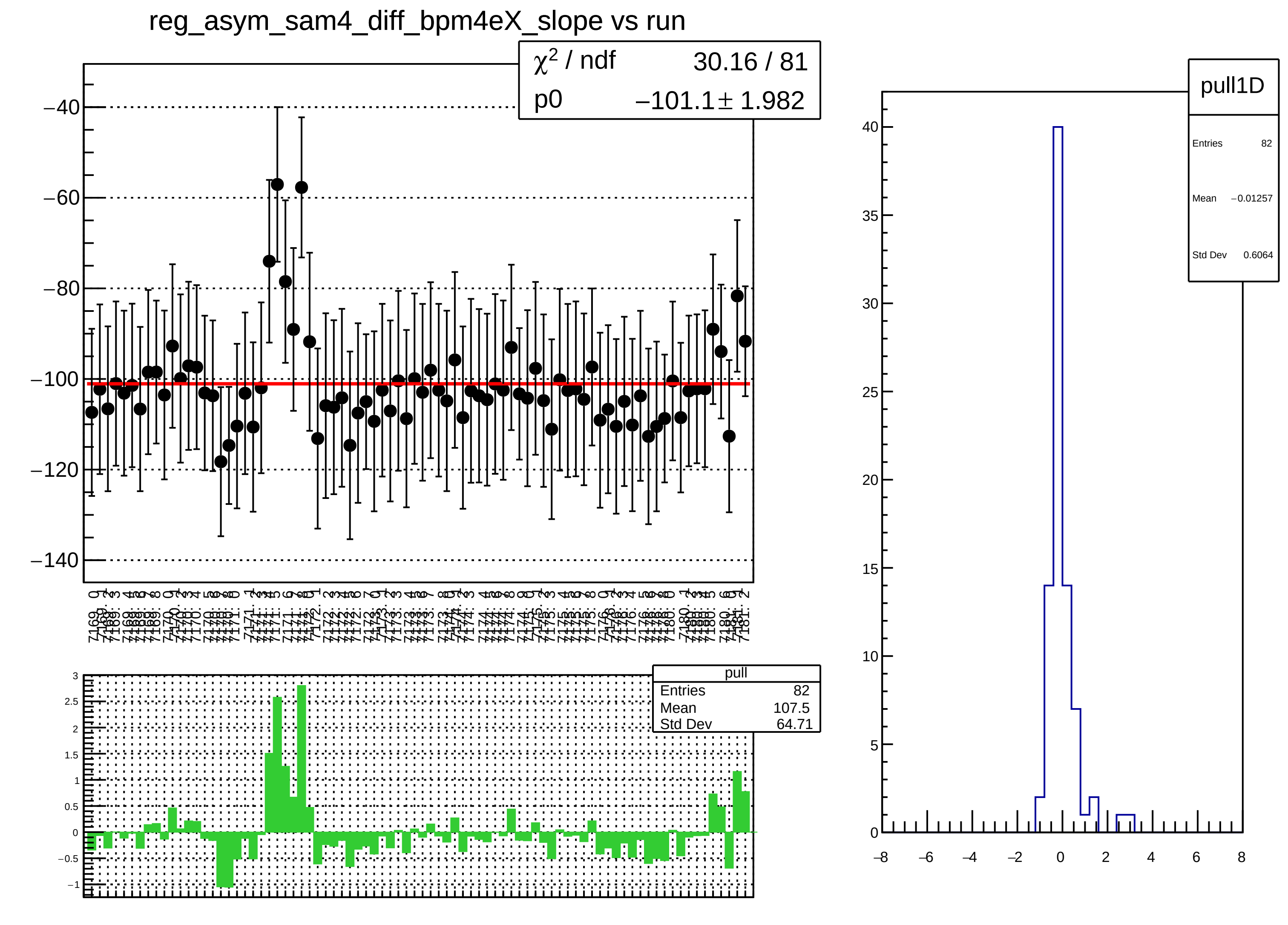

reg_asym_sam3_diff_bpm4eY_slope vs run
χ2 / ndf 9.723 / 81
p0 23.69 ± 0.5644
pull
Entries 82
Mean −1417
Std Dev 1449
pull1D
Entries 82
Mean −0.00216
Std Dev 0.3443



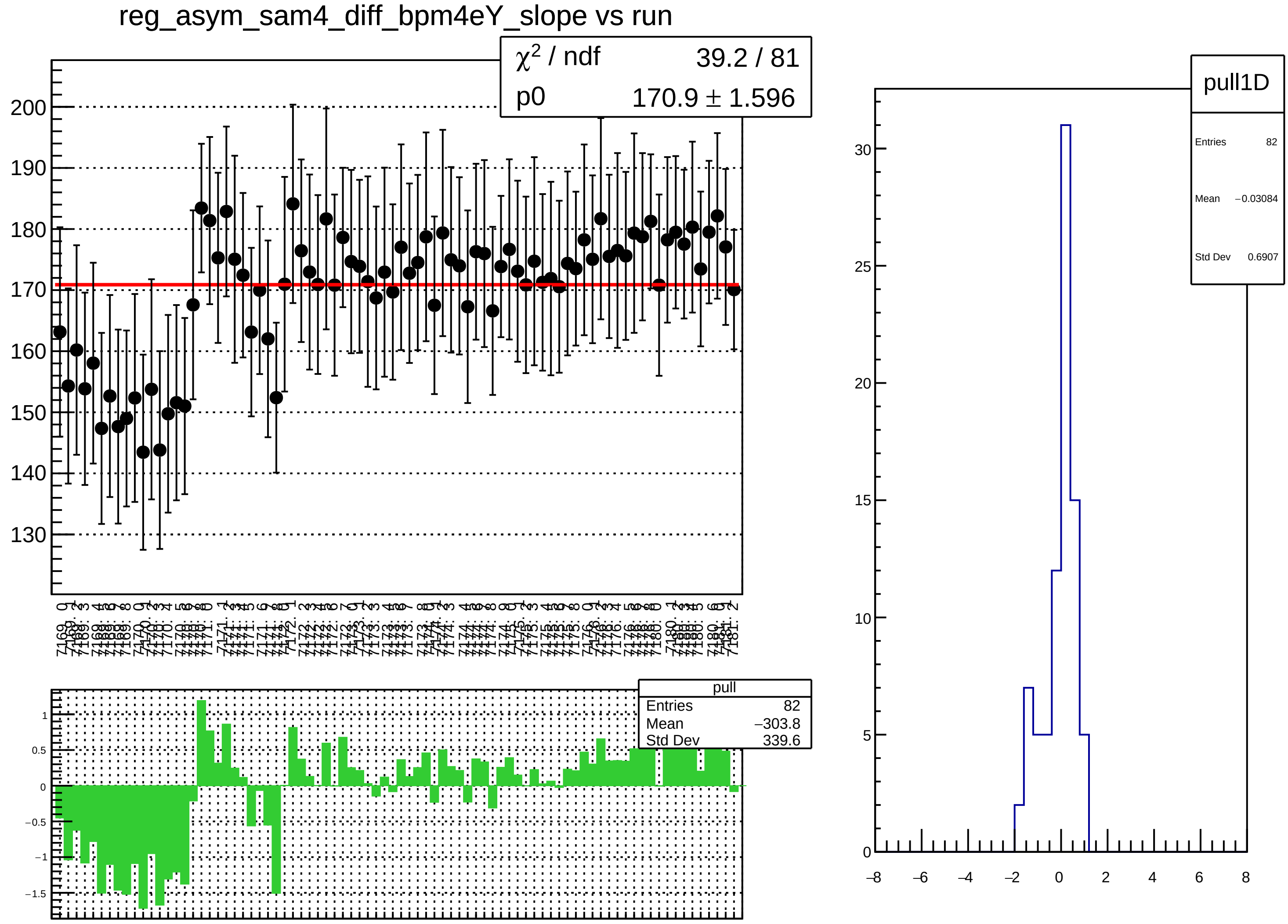
reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 6.948 / 81
p0 0.1201 ± 0.02607
pull
Entries 82
Mean −2135
Std Dev 2174
pull1D
Entries 82
Mean −0.002191
Std Dev 0.2911

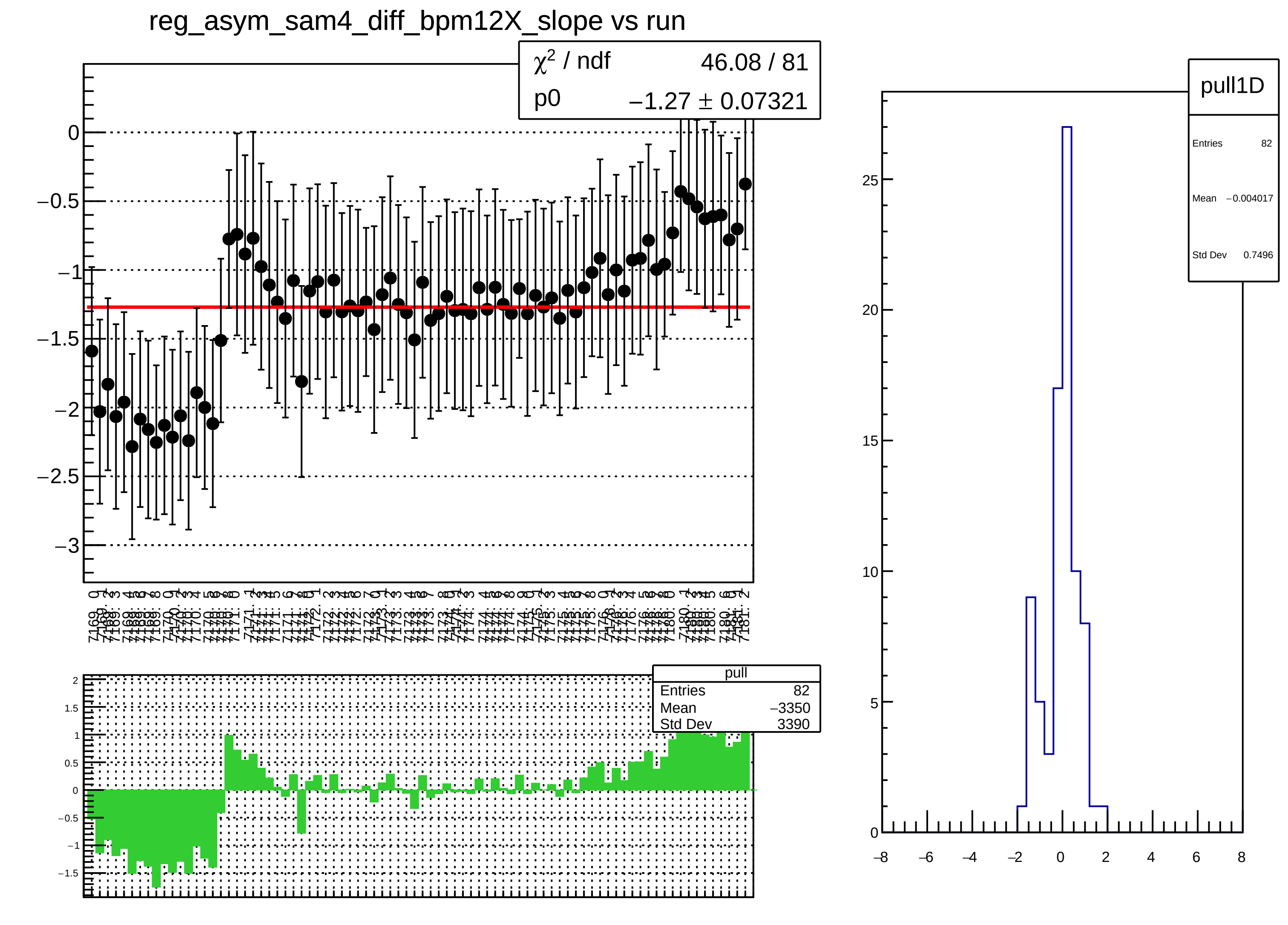

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 32.59 / 81
p0 −47.95 ± 1.983
pull
Entries 82
Mean 134.7
Std Dev 91.7
pull1D
Entries 82
Mean 0.01093
Std Dev 0.6304


reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 20.99 / 81
p0 24.85 ± 1.421
pull
Entries 82
Mean −730
Std Dev 765.3
pull1D
Entries 82
Mean 0.009138
Std Dev 0.5059

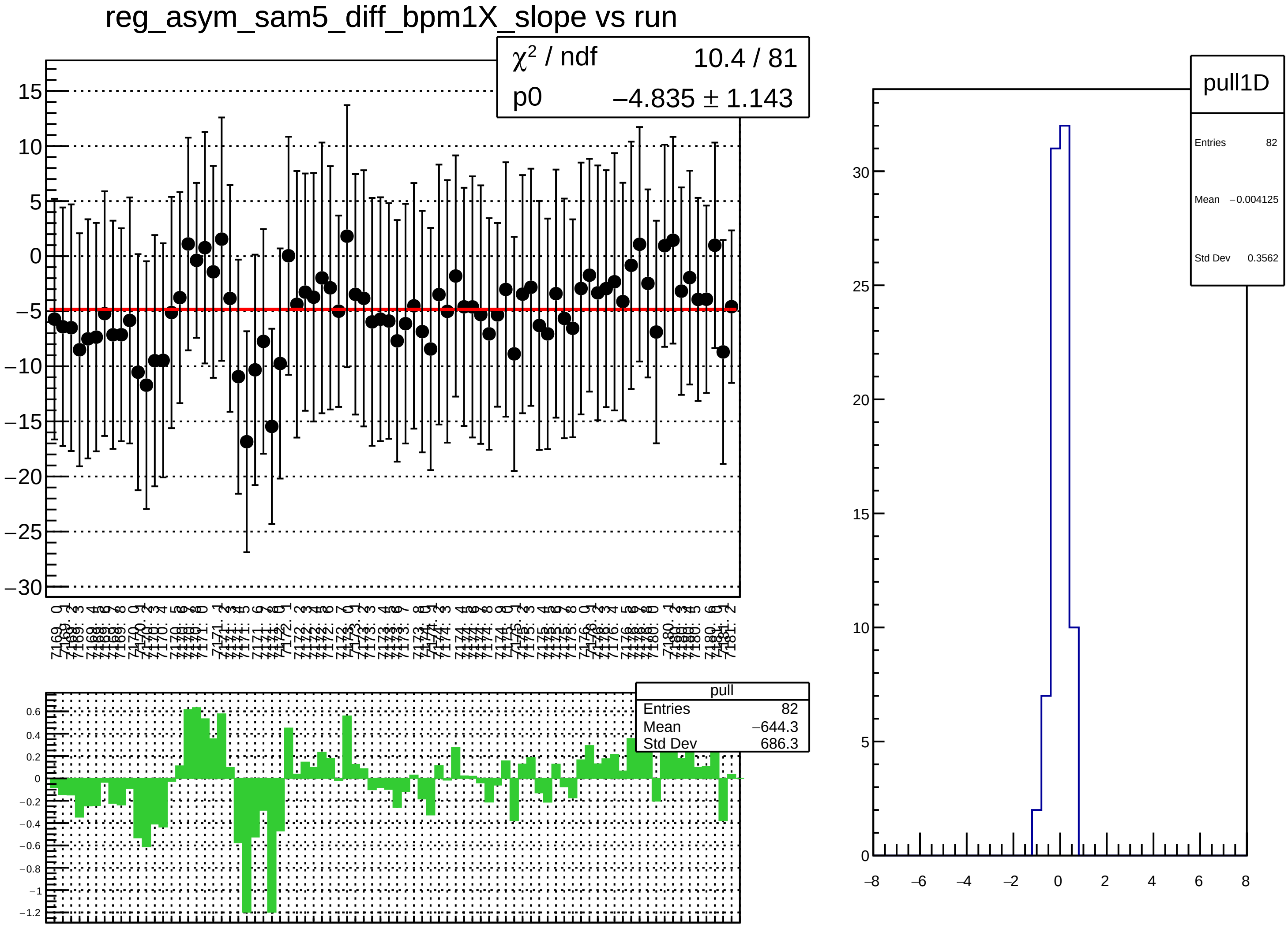


reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 30.16 / 81
p0 −101.1 ± 1.982
pull
Entries 82
Mean 107.5
Std Dev 64.71
pull1D
Entries 82
Mean −0.01257
Std Dev 0.6064

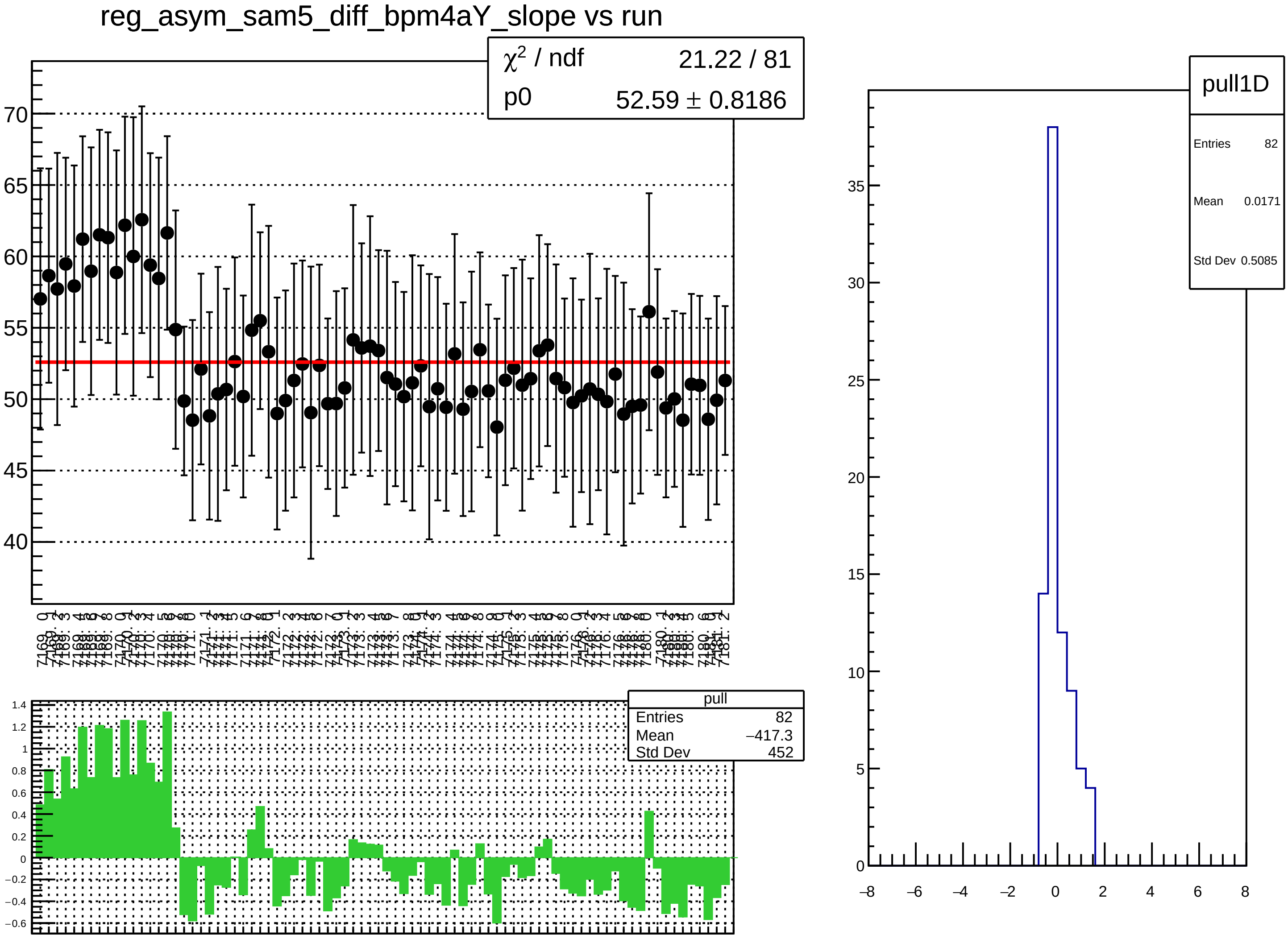

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 39.2 / 81
p0 170.9 ± 1.596
pull
Entries 82
Mean −303.8
Std Dev 339.6
pull1D
Entries 82
Mean −0.03084
Std Dev 0.6907



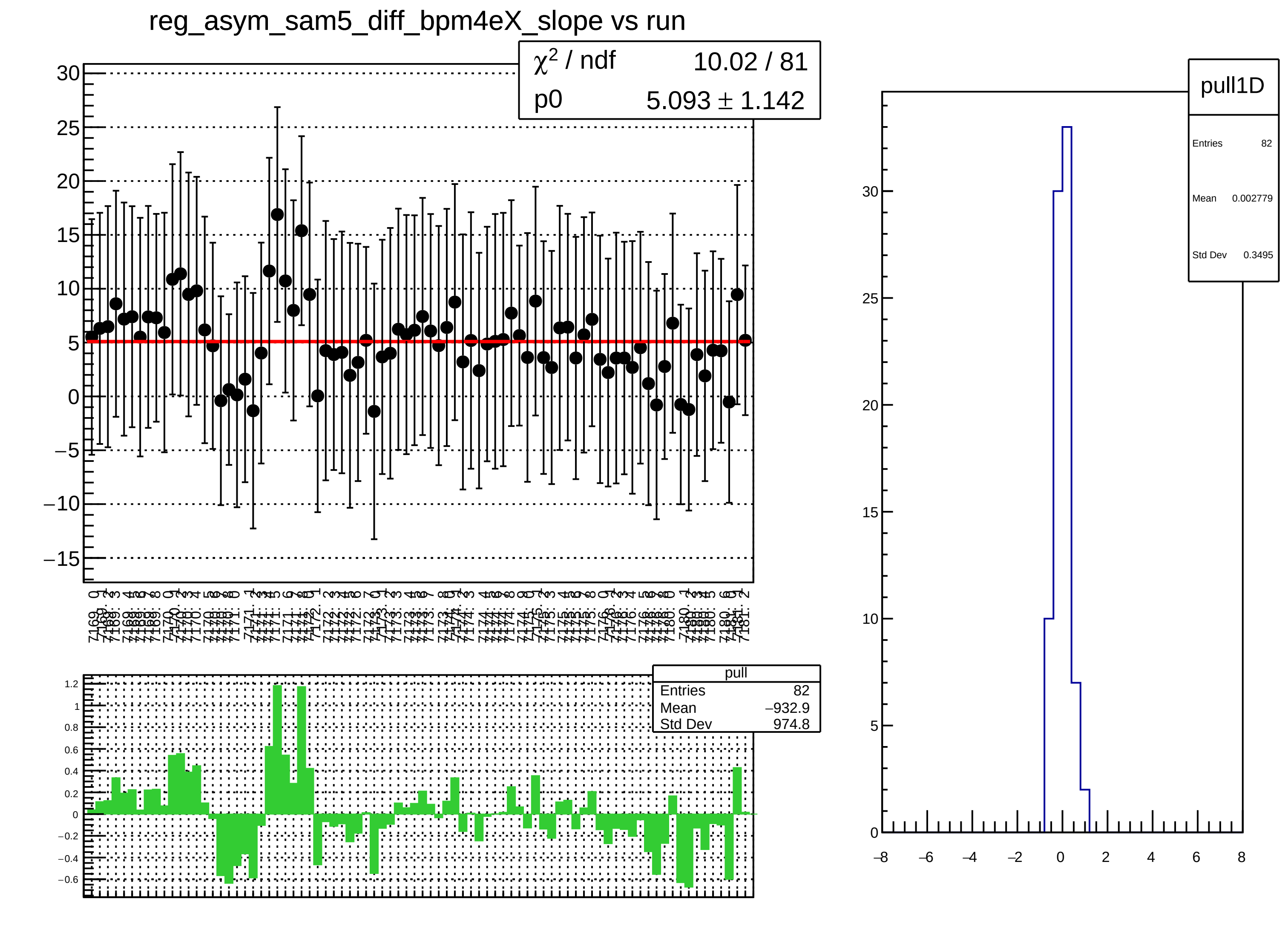
reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 46.08 / 81
p0 −1.27 ± 0.07321
pull
Entries 82
Mean −3350
Std Dev 3390
pull1D
Entries 82
Mean −0.004017
Std Dev 0.7496



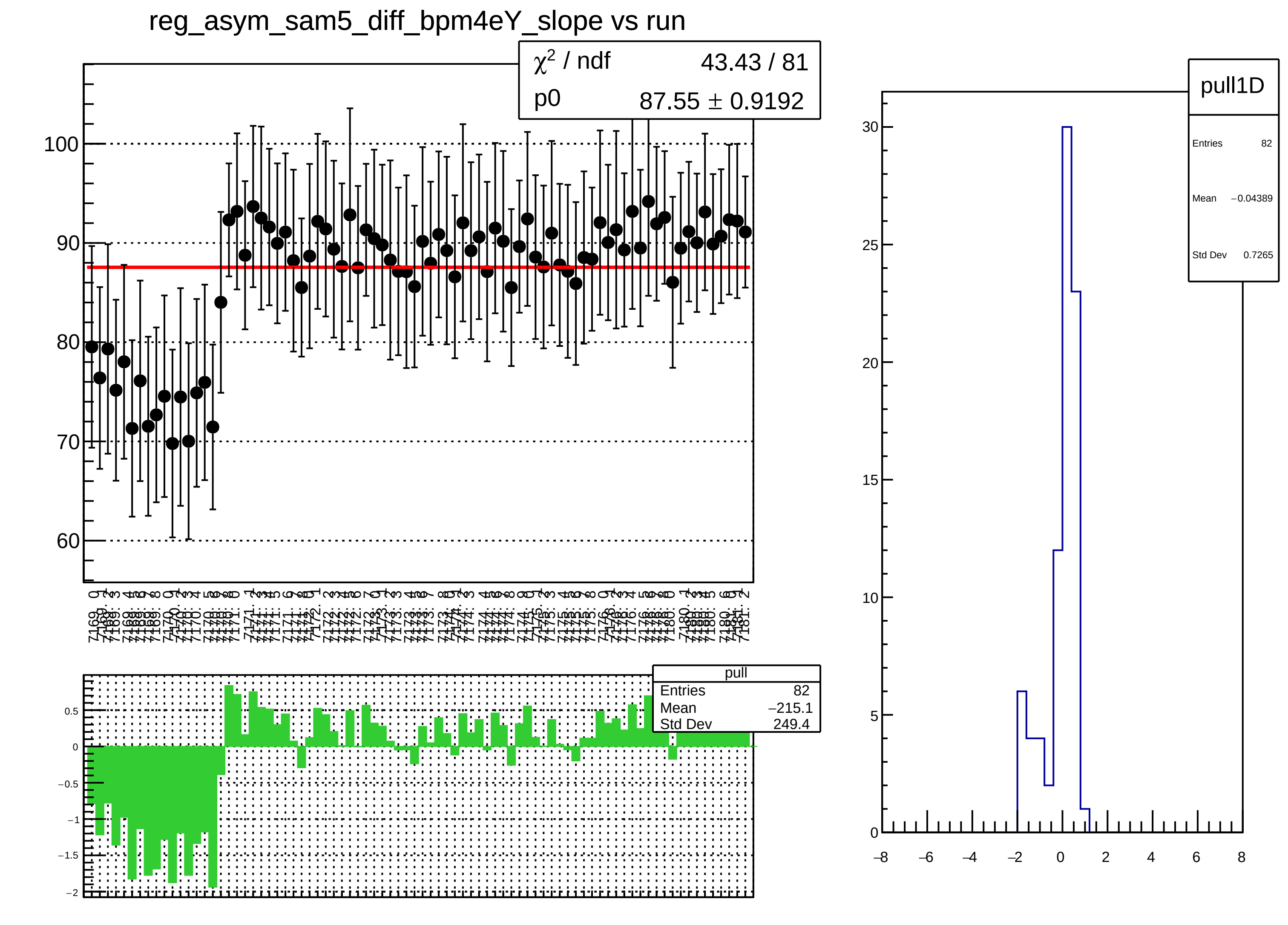
reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 10.4 / 81
p0 −4.835 ± 1.143
pull
Entries 82
Mean −644.3
Std Dev 686.3
pull1D
Entries 82
Mean −0.004125
Std Dev 0.3562



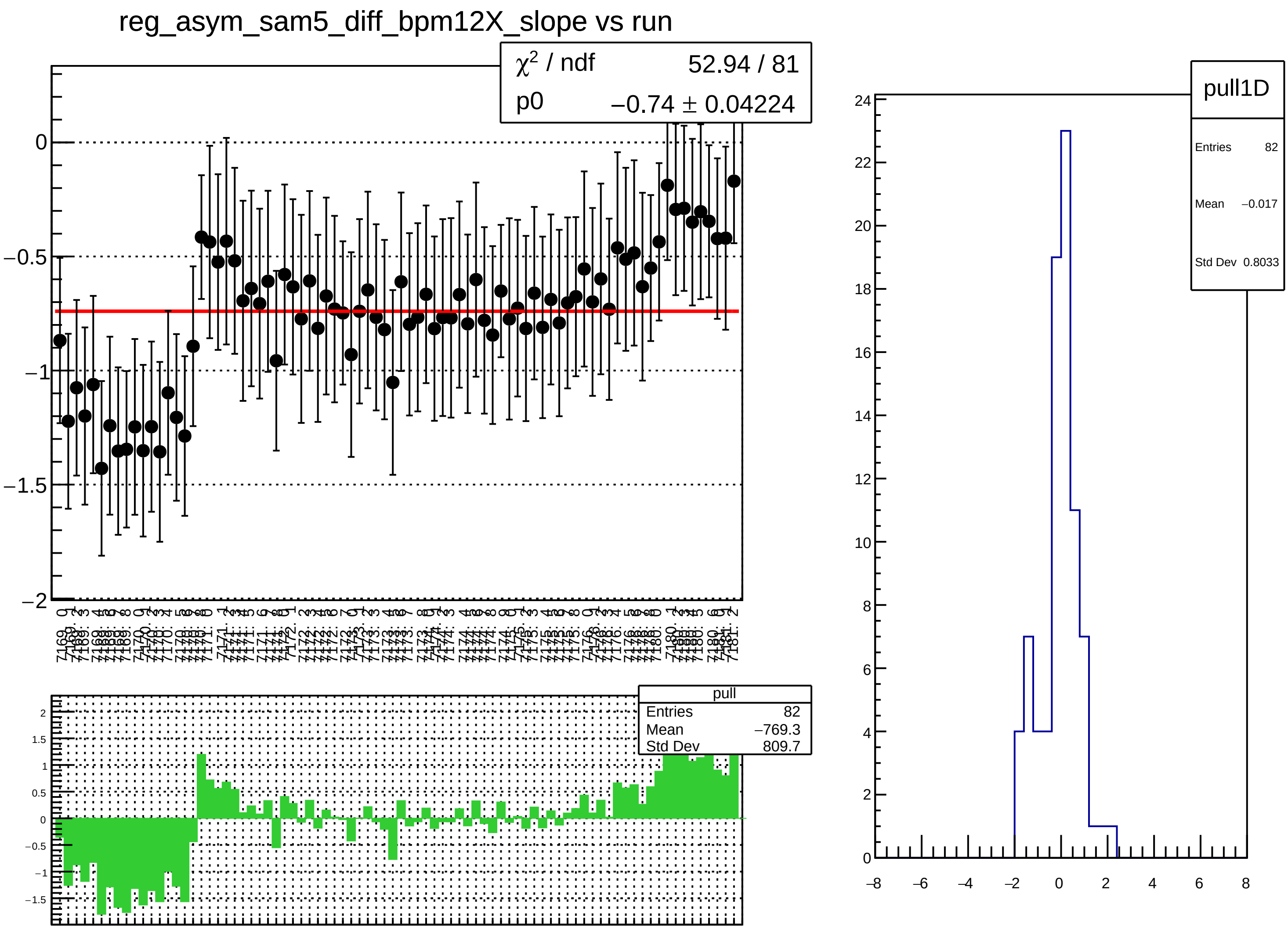
reg_asym_sam5_diff_bpm4aY_slope vs run
χ2 / ndf 21.22 / 81
p0 52.59 ± 0.8186
pull
Entries 82
Mean −417.3
Std Dev 452
pull1D
Entries 82
Mean 0.0171
Std Dev 0.5085



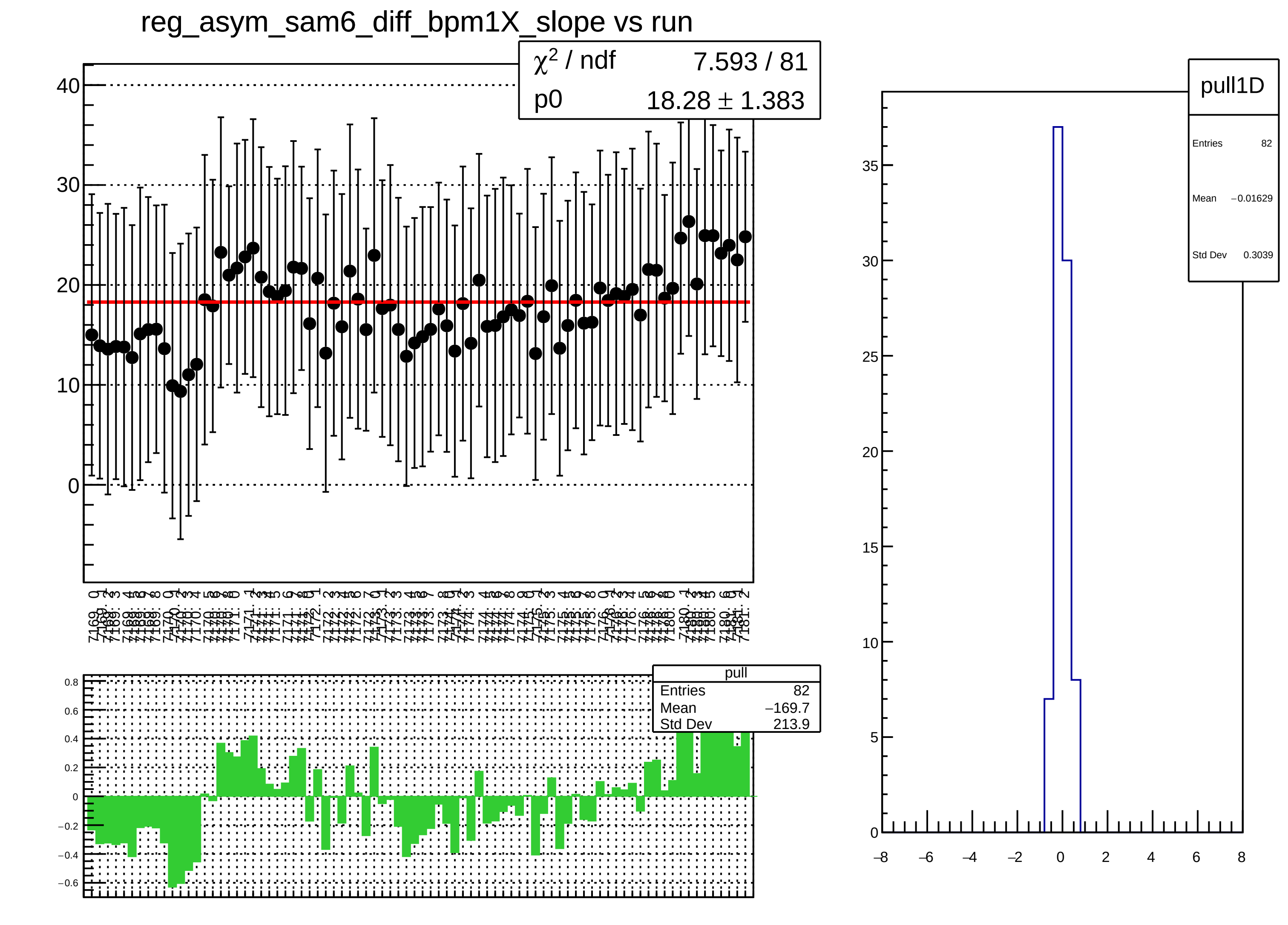
reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 10.02 / 81
p0 5.093 ± 1.142
pull
Entries 82
Mean −932.9
Std Dev 974.8
pull1D
Entries 82
Mean 0.002779
Std Dev 0.3495



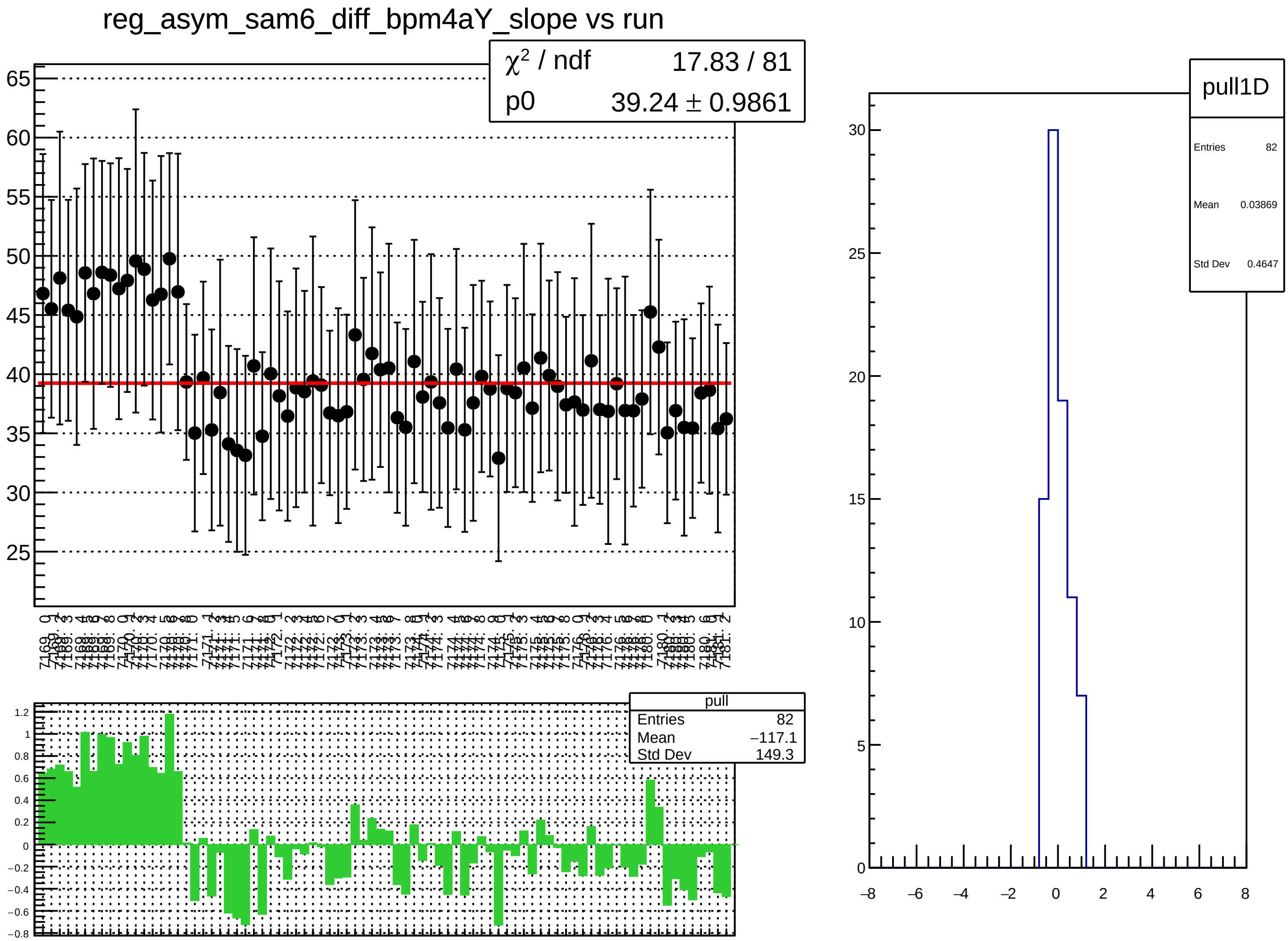
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 43.43 / 81
p0 87.55 ± 0.9192
pull
Entries 82
Mean −215.1
Std Dev 249.4
pull1D
Entries 82
Mean −0.04389
Std Dev 0.7265



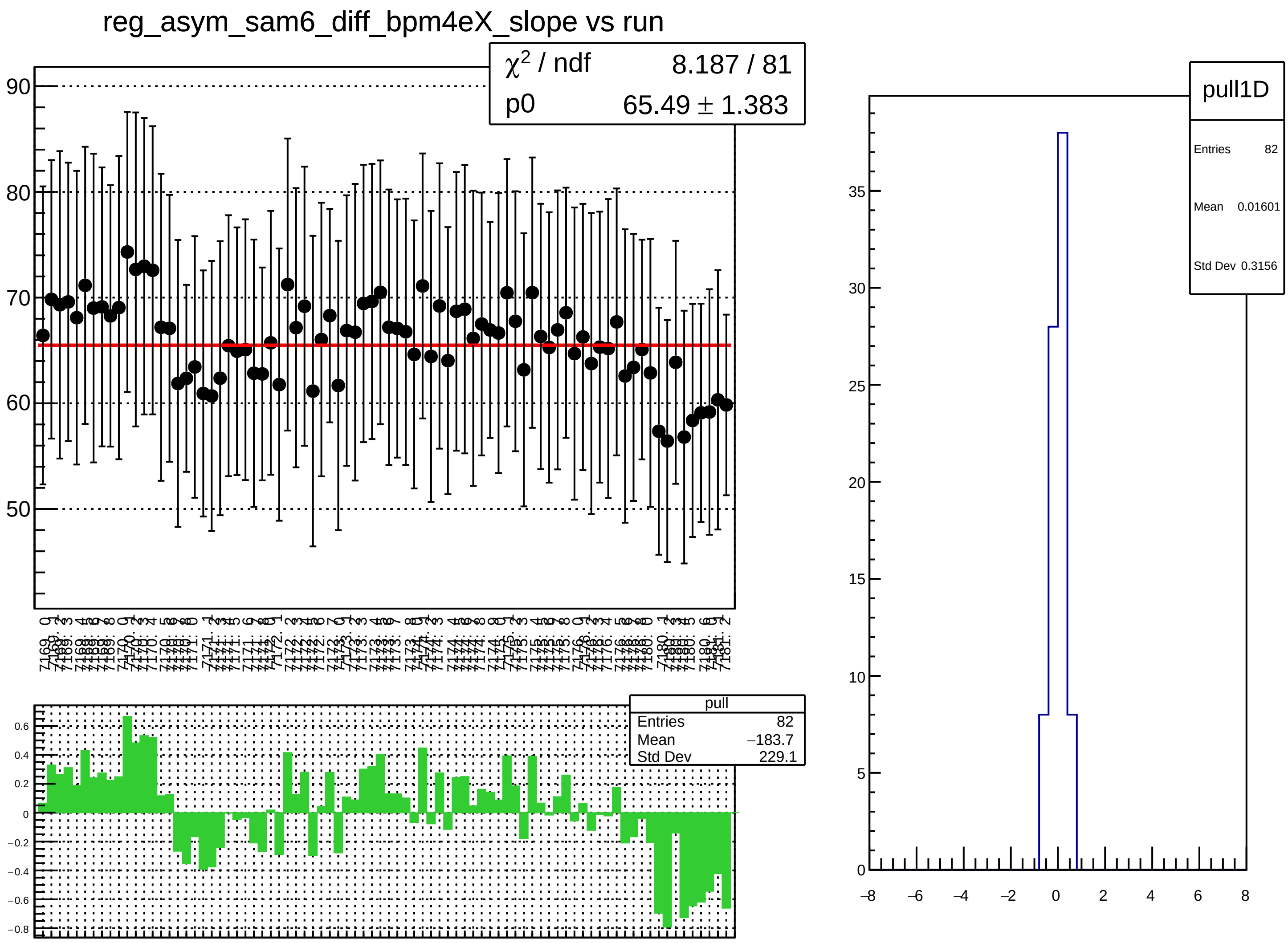
reg_asym_sam5_diff_bpm12X_slope vs run
χ2 / ndf 52.94 / 81
p0 −0.74 ± 0.04224
pull
Entries 82
Mean −769.3
Std Dev 809.7
pull1D
Entries 82
Mean −0.017
Std Dev 0.8033



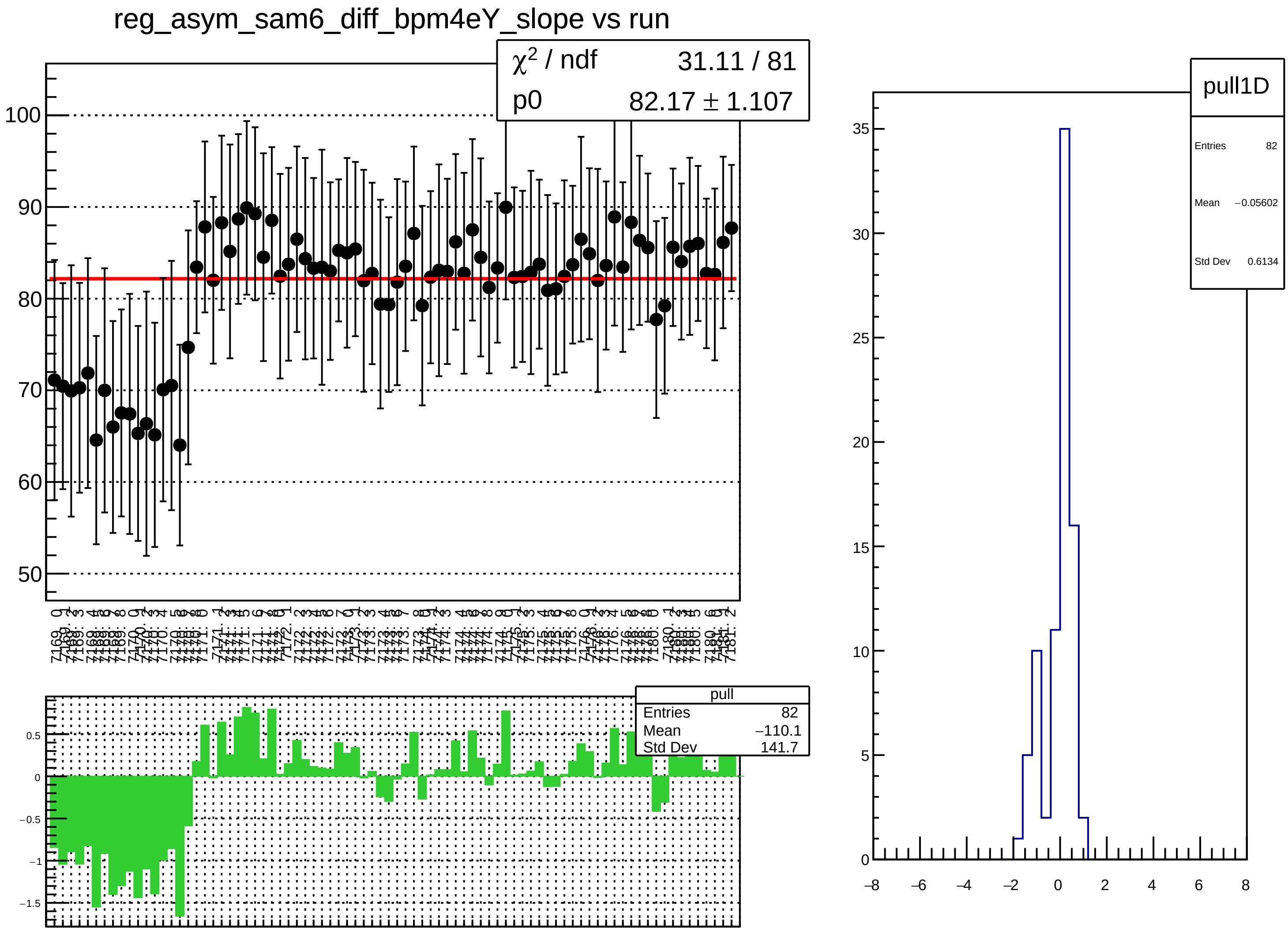
reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 7.593 / 81
p0 18.28 ± 1.383
pull
Entries 82
Mean −169.7
Std Dev 213.9
pull1D
Entries 82
Mean −0.01629
Std Dev 0.3039



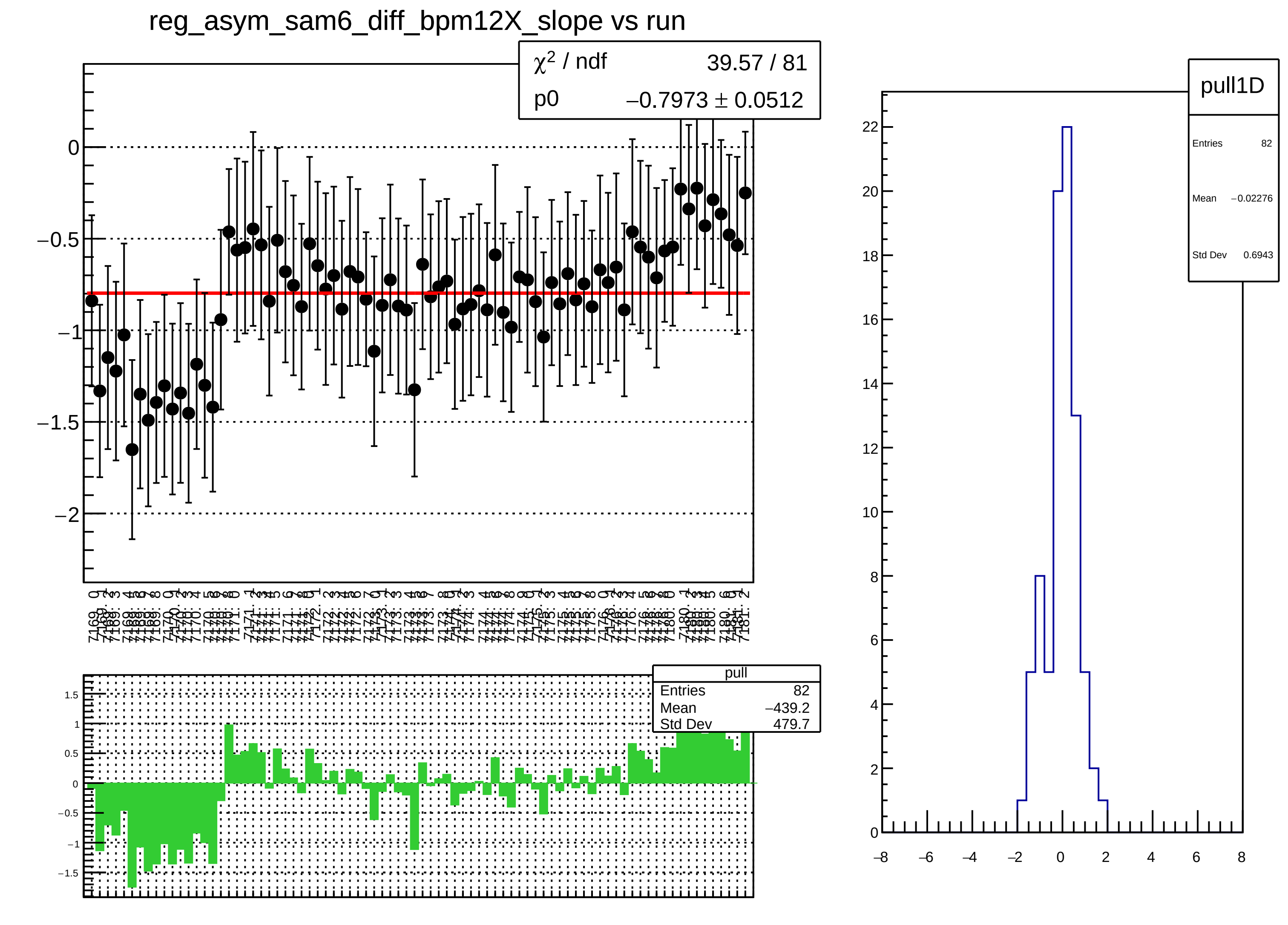
reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 17.83 / 81
p0 39.24 ± 0.9861
pull
Entries 82
Mean −117.1
Std Dev 149.3
pull1D
Entries 82
Mean 0.03869
Std Dev 0.4647

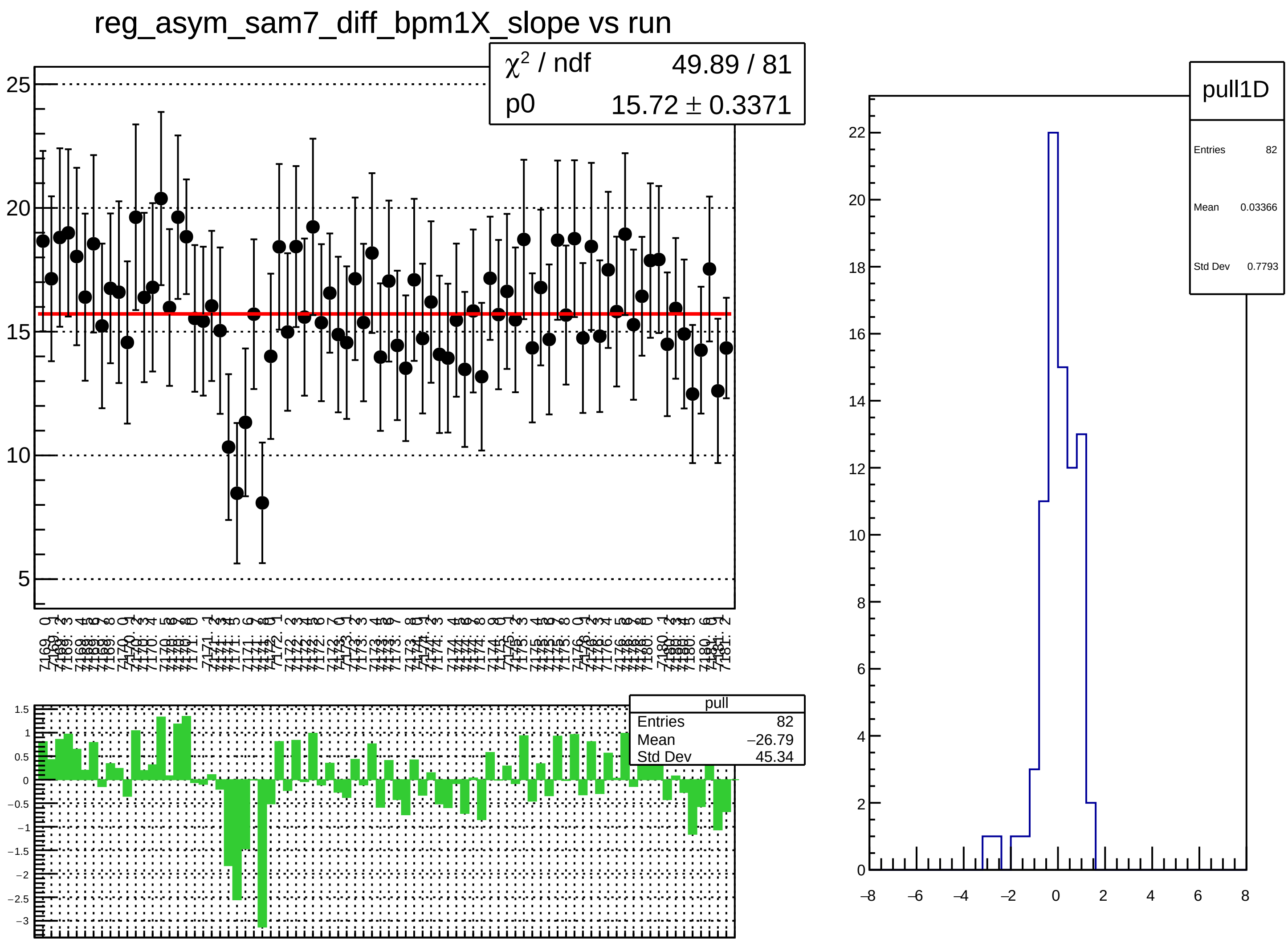


reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 8.187 / 81
p0 65.49 ± 1.383
pull
Entries 82
Mean −183.7
Std Dev 229.1
pull1D
Entries 82
Mean 0.01601
Std Dev 0.3156

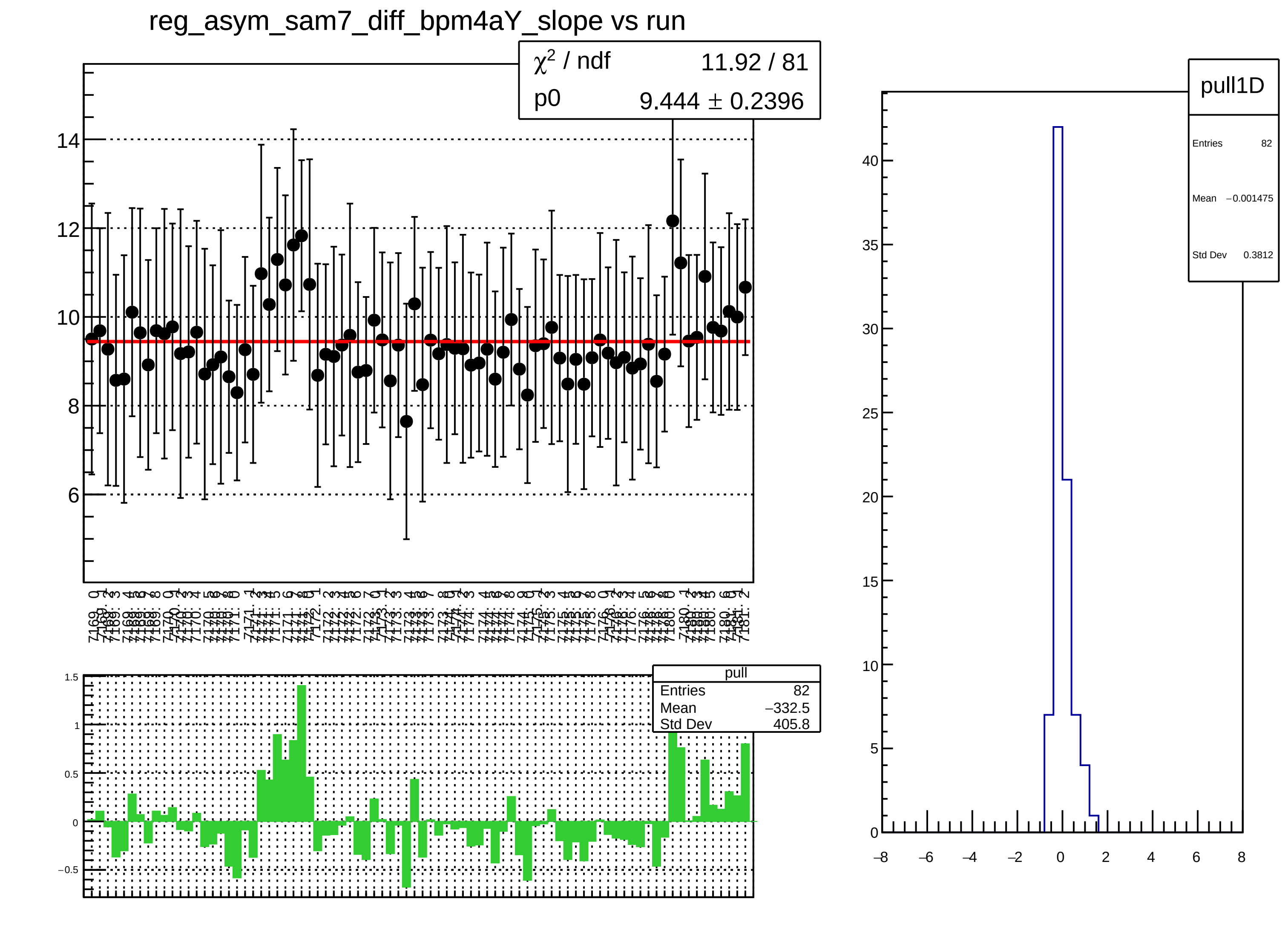


reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 31.11 / 81
p0 82.17 ± 1.107
pull
Entries 82
Mean −110.1
Std Dev 141.7
pull1D
Entries 82
Mean −0.05602
Std Dev 0.6134

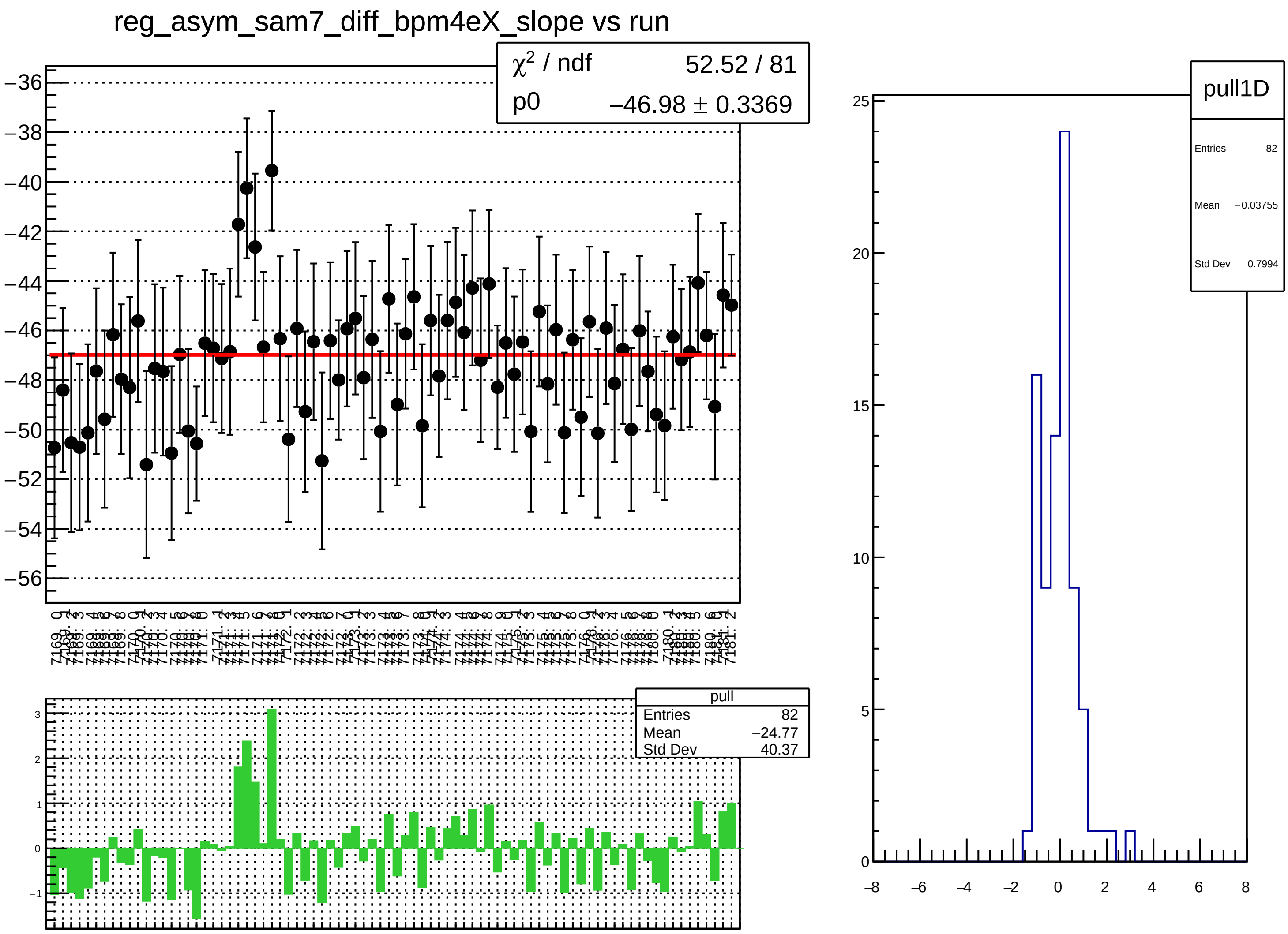

reg_asym_sam6_diff_bpm12X_slope vs run
χ2 / ndf 39.57 / 81
p0 −0.7973 ± 0.0512
0
−0.5
−1
−1.5
−2
pull
Entries 82
Mean −439.2
Std Dev 479.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.02276
Std Dev 0.6943
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



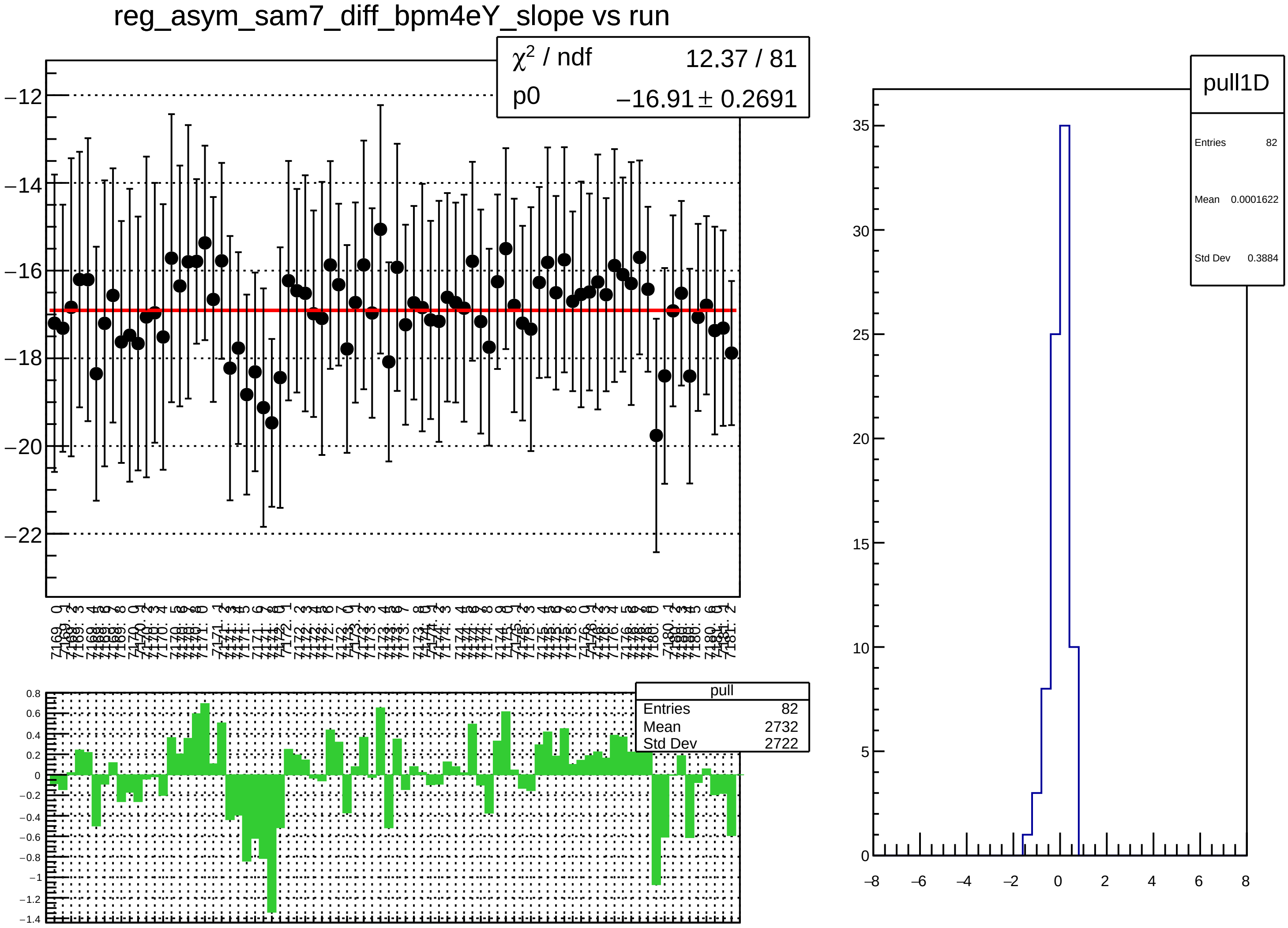
reg_asym_sam7_diff_bpm1X_slope vs run
χ2 / ndf 49.89 / 81
p0 15.72 ± 0.3371
pull
Entries 82
Mean −26.79
Std Dev 45.34
pull1D
Entries 82
Mean 0.03366
Std Dev 0.7793



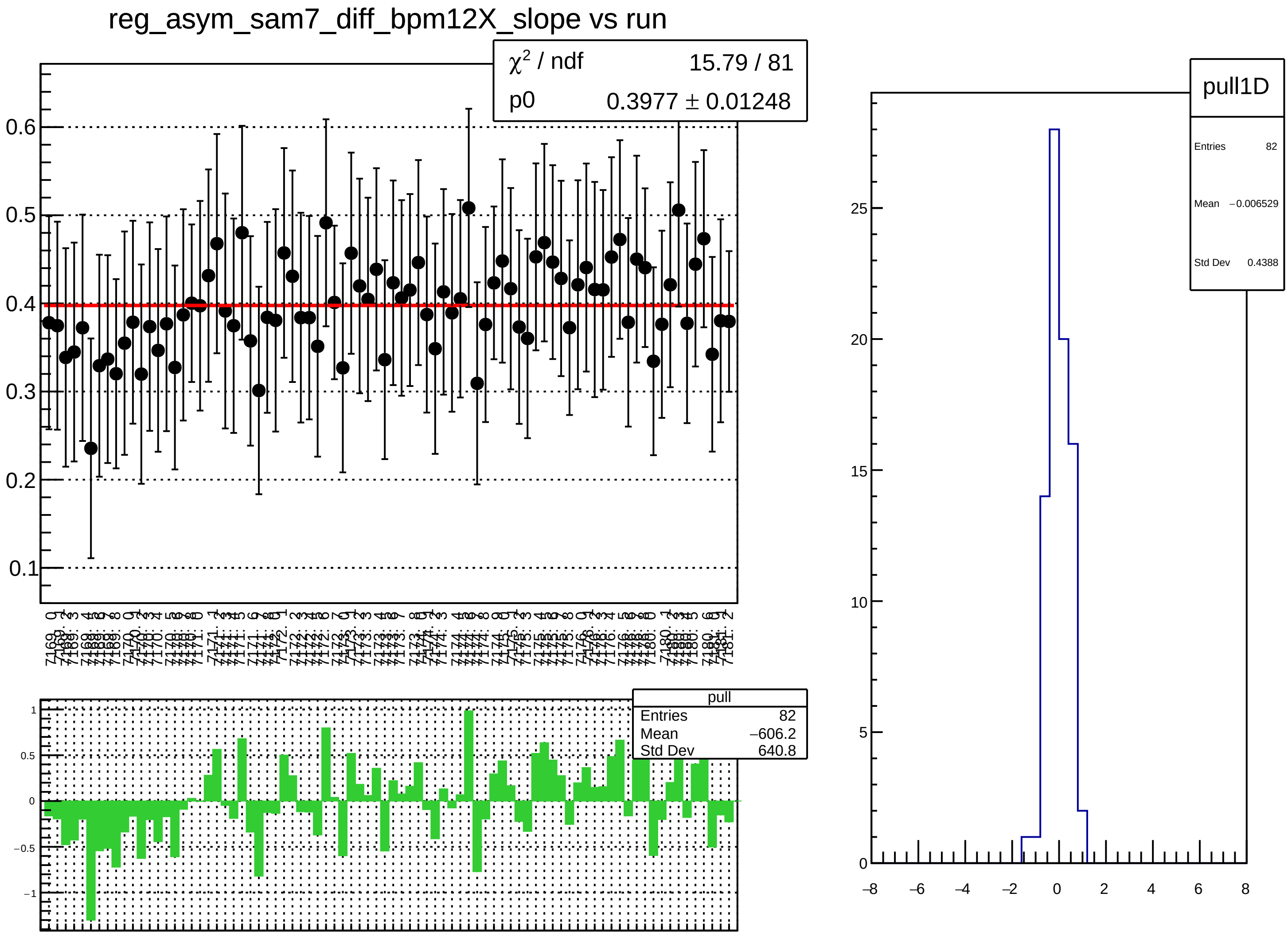
reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 11.92 / 81
p0 9.444 ± 0.2396
pull
Entries 82
Mean −332.5
Std Dev 405.8
pull1D
Entries 82
Mean −0.001475
Std Dev 0.3812



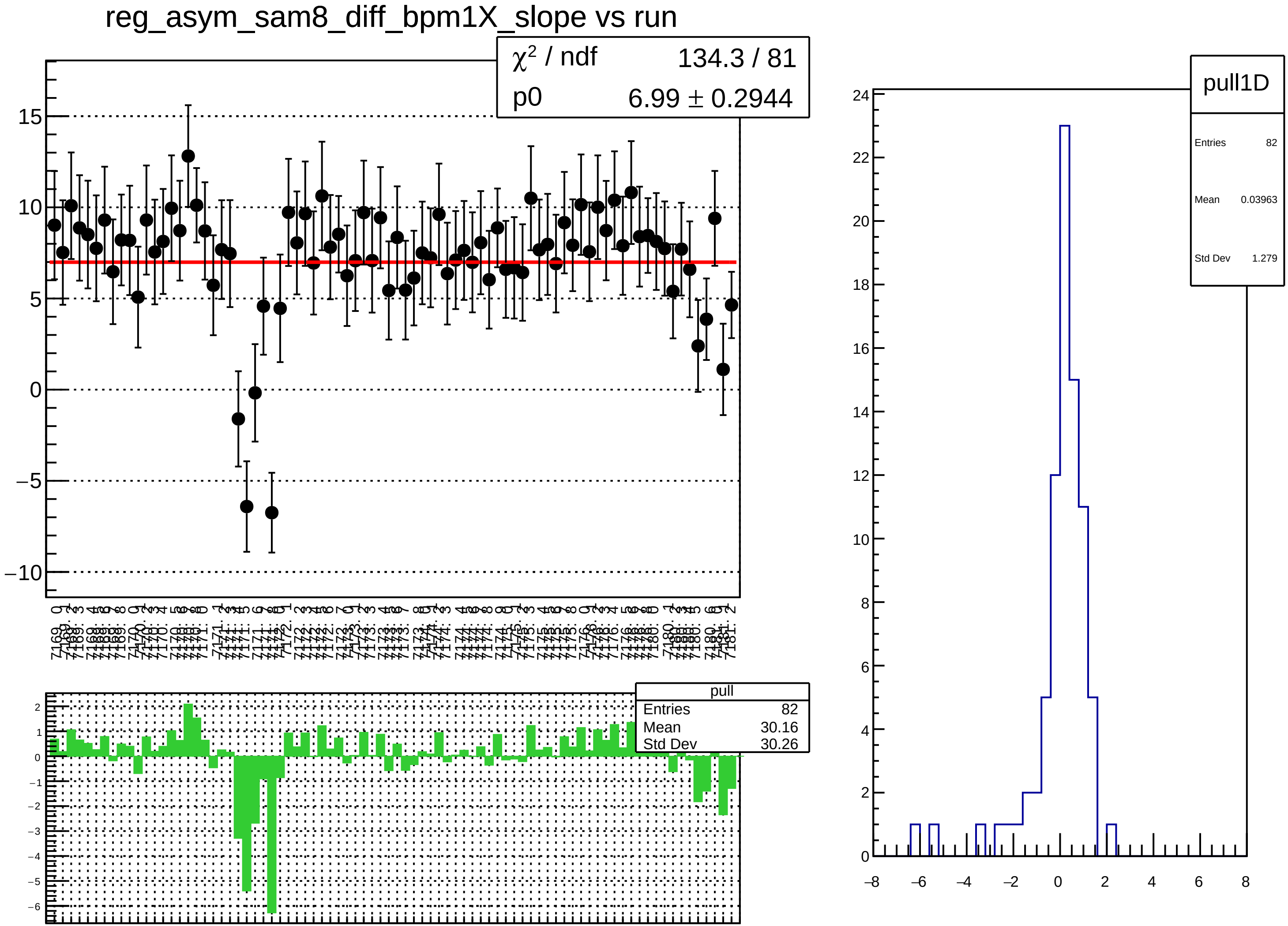
reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 52.52 / 81
p0 −46.98 ± 0.3369
pull
Entries 82
Mean −24.77
Std Dev 40.37
pull1D
Entries 82
Mean −0.03755
Std Dev 0.7994

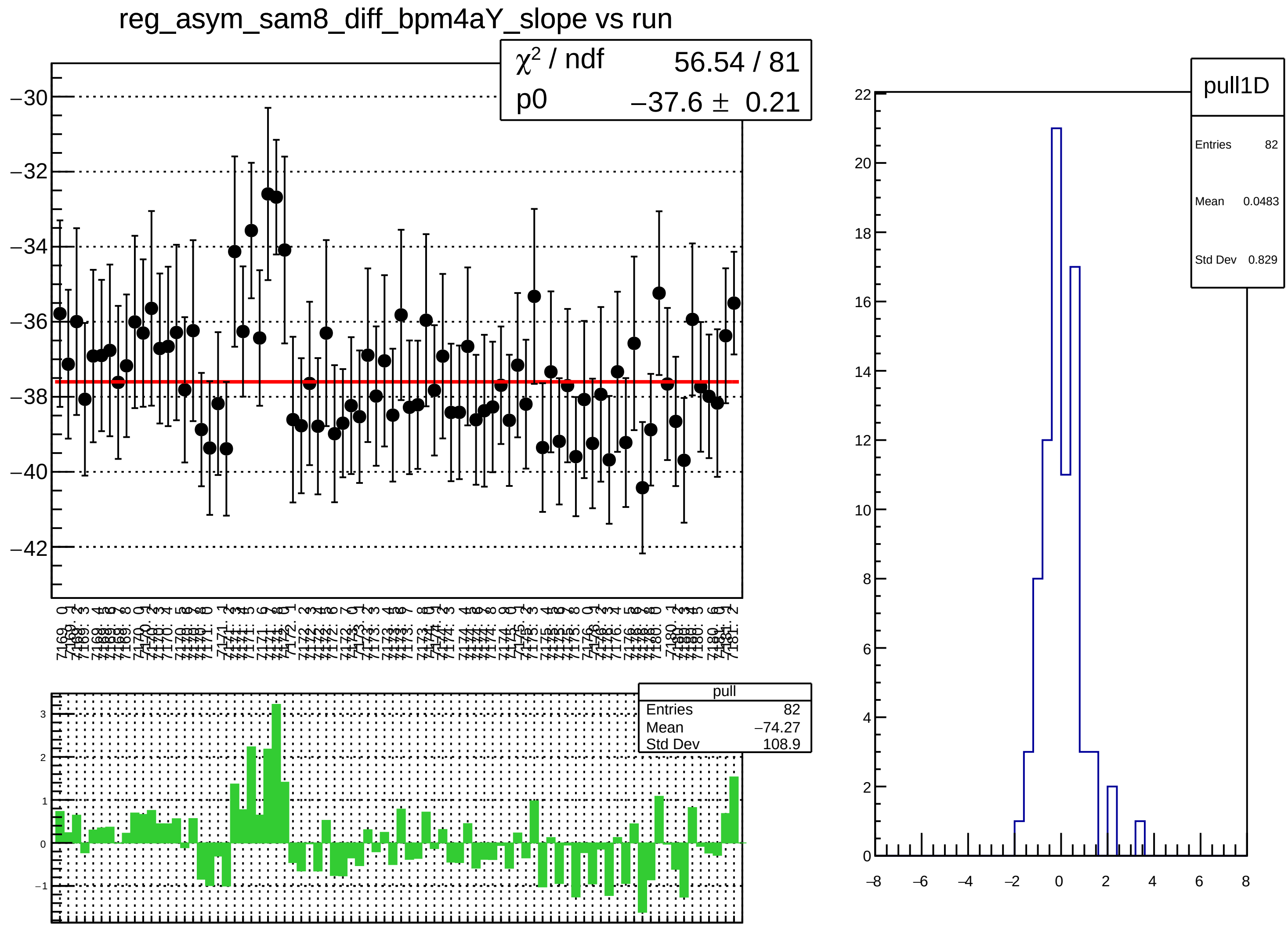


reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 12.37 / 81
p0 −16.91 ± 0.2691
pull
Entries 82
Mean 2732
Std Dev 2722
pull1D
Entries 82
Mean 0.0001622
Std Dev 0.3884

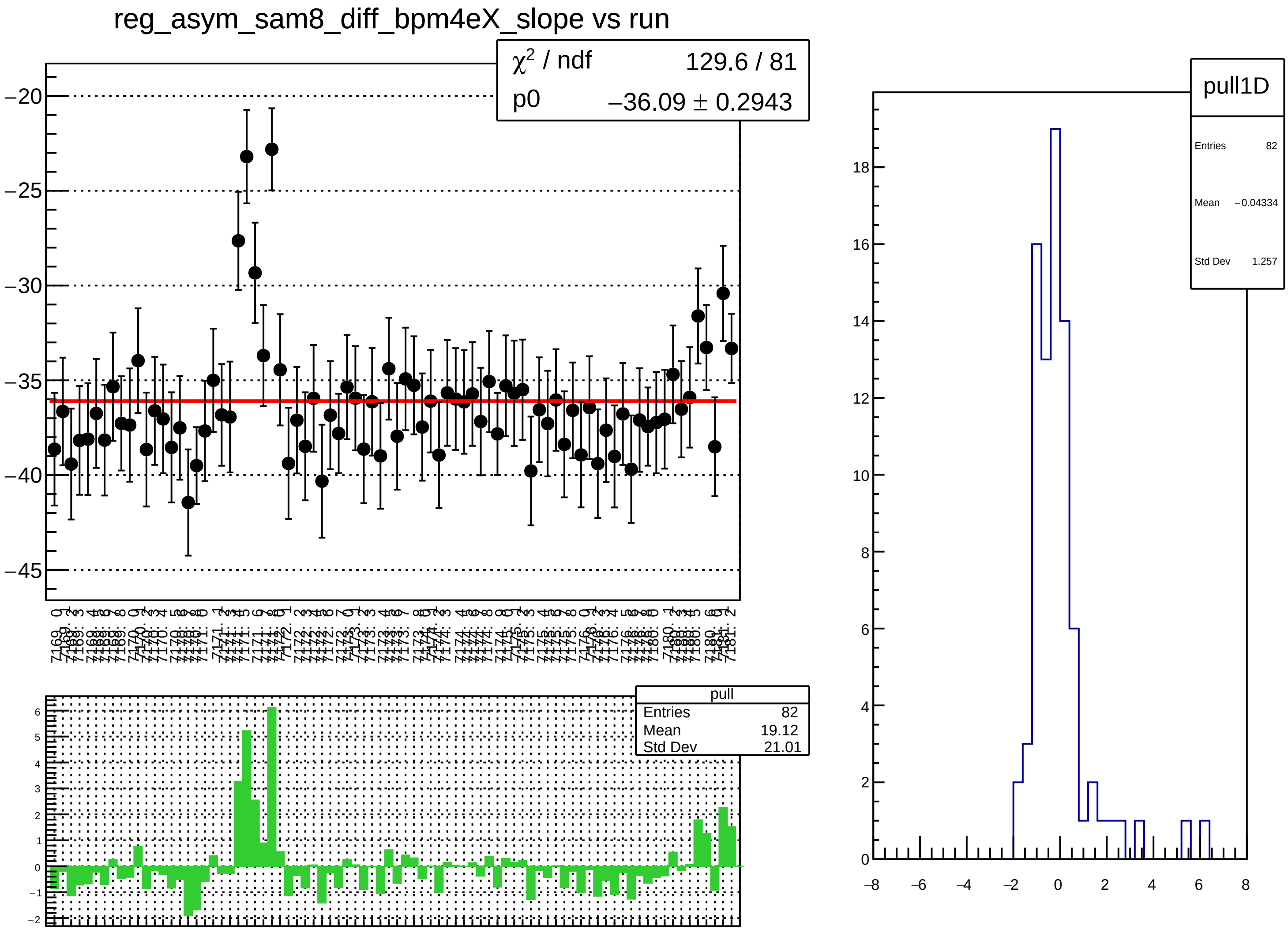


reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 15.79 / 81
p0 0.3977 ± 0.01248
pull
Entries 82
Mean −606.2
Std Dev 640.8
pull1D
Entries 82
Mean −0.006529
Std Dev 0.4388

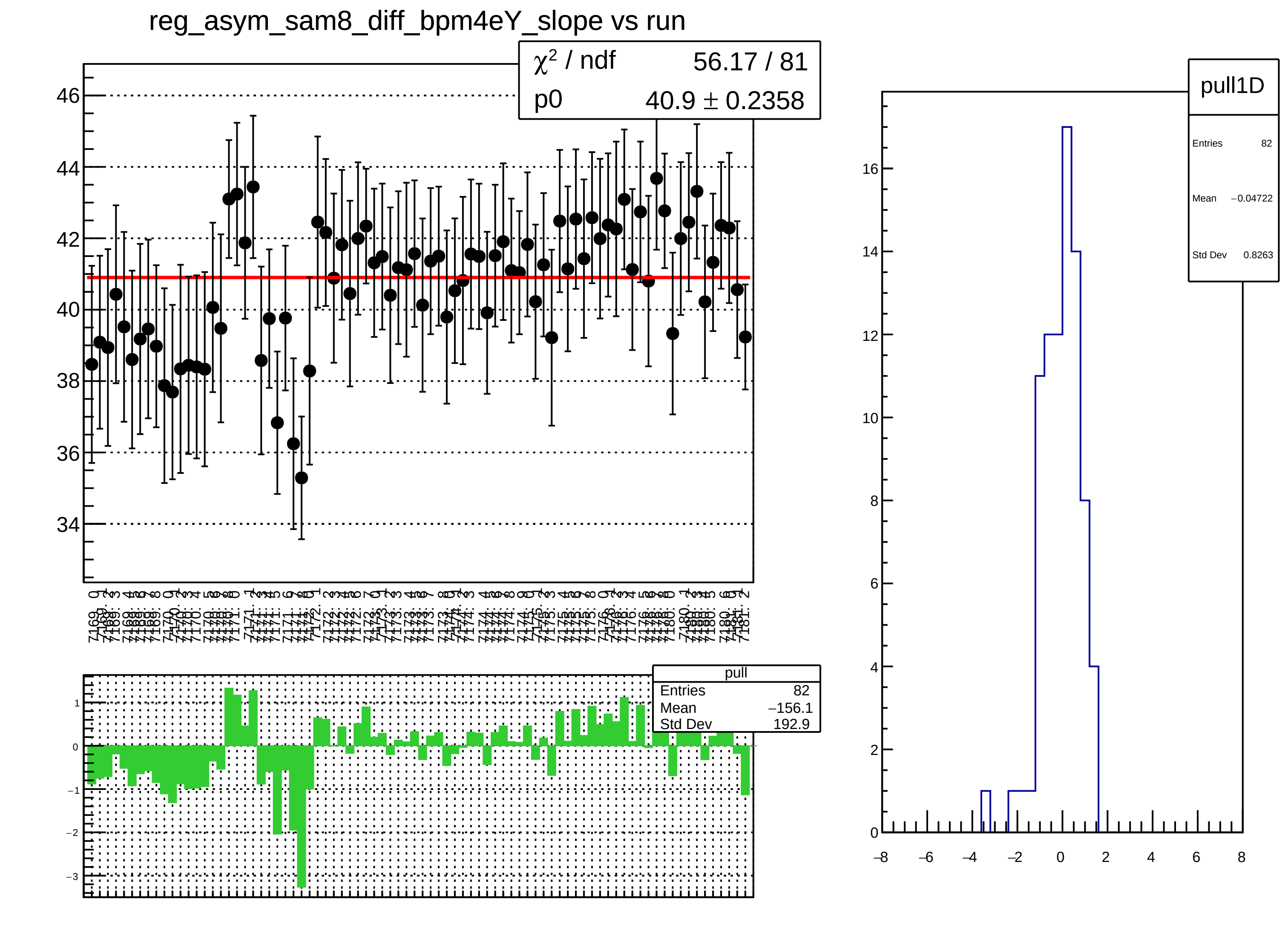

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 134.3 / 81
p0 6.99 ± 0.2944
pull
Entries 82
Mean 30.16
Std Dev 30.26
pull1D
Entries 82
Mean 0.03963
Std Dev 1.279



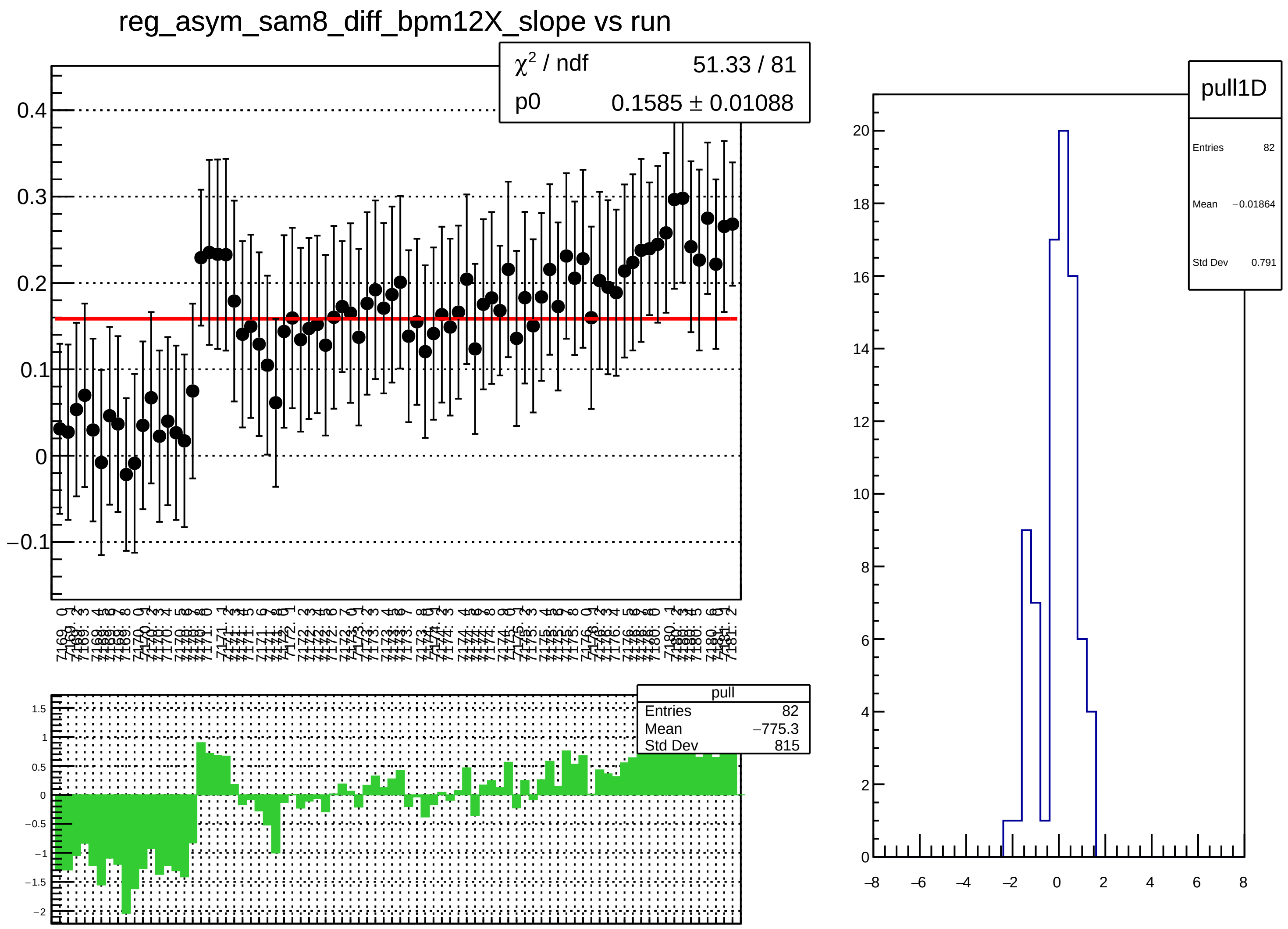
reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 56.54 / 81
p0 −37.6 ± 0.21
pull
Entries 82
Mean −74.27
Std Dev 108.9
pull1D
Entries 82
Mean 0.0483
Std Dev 0.829



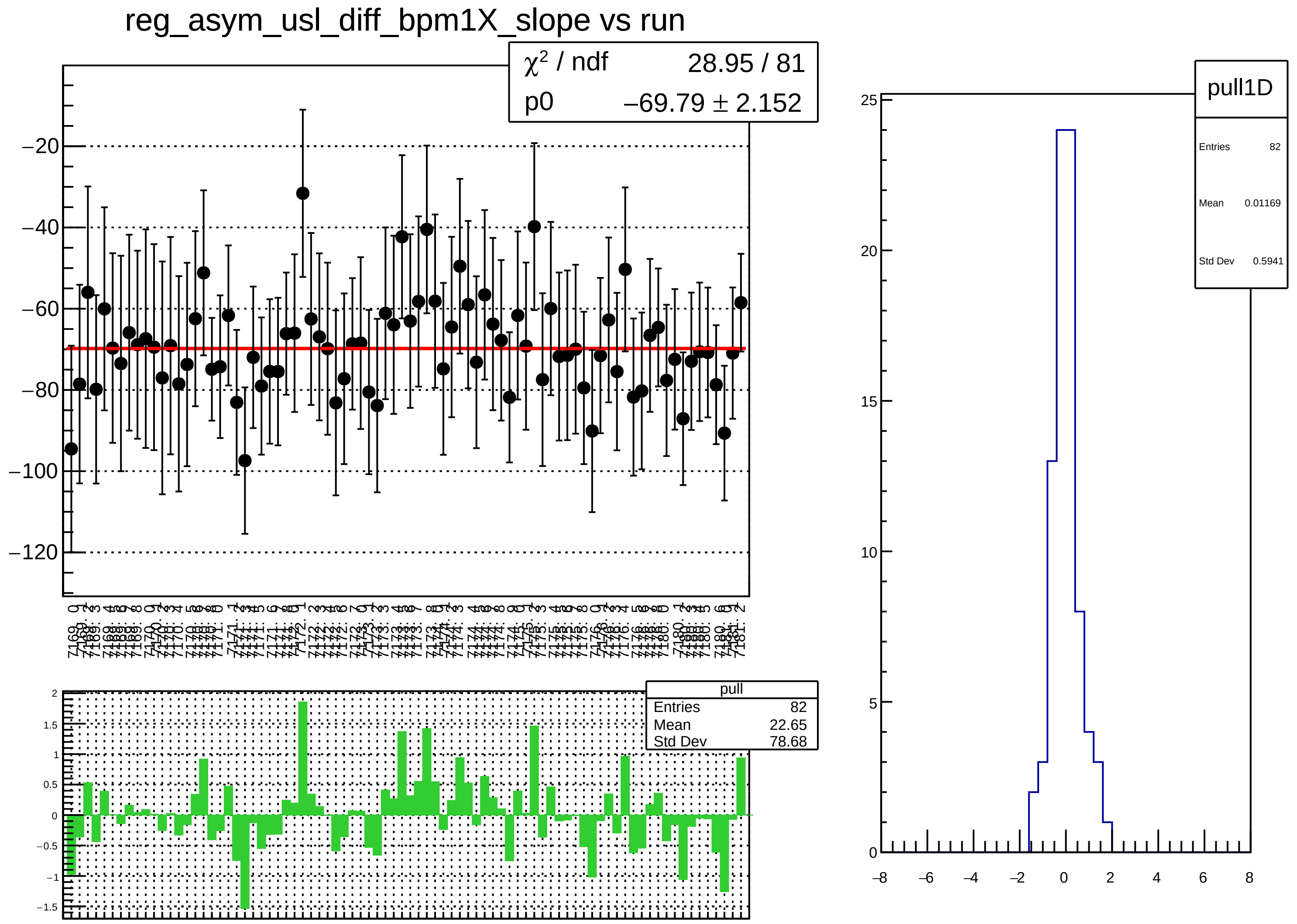
reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 129.6 / 81
p0 −36.09 ± 0.2943
pull
Entries 82
Mean 19.12
Std Dev 21.01
pull1D
Entries 82
Mean −0.04334
Std Dev 1.257



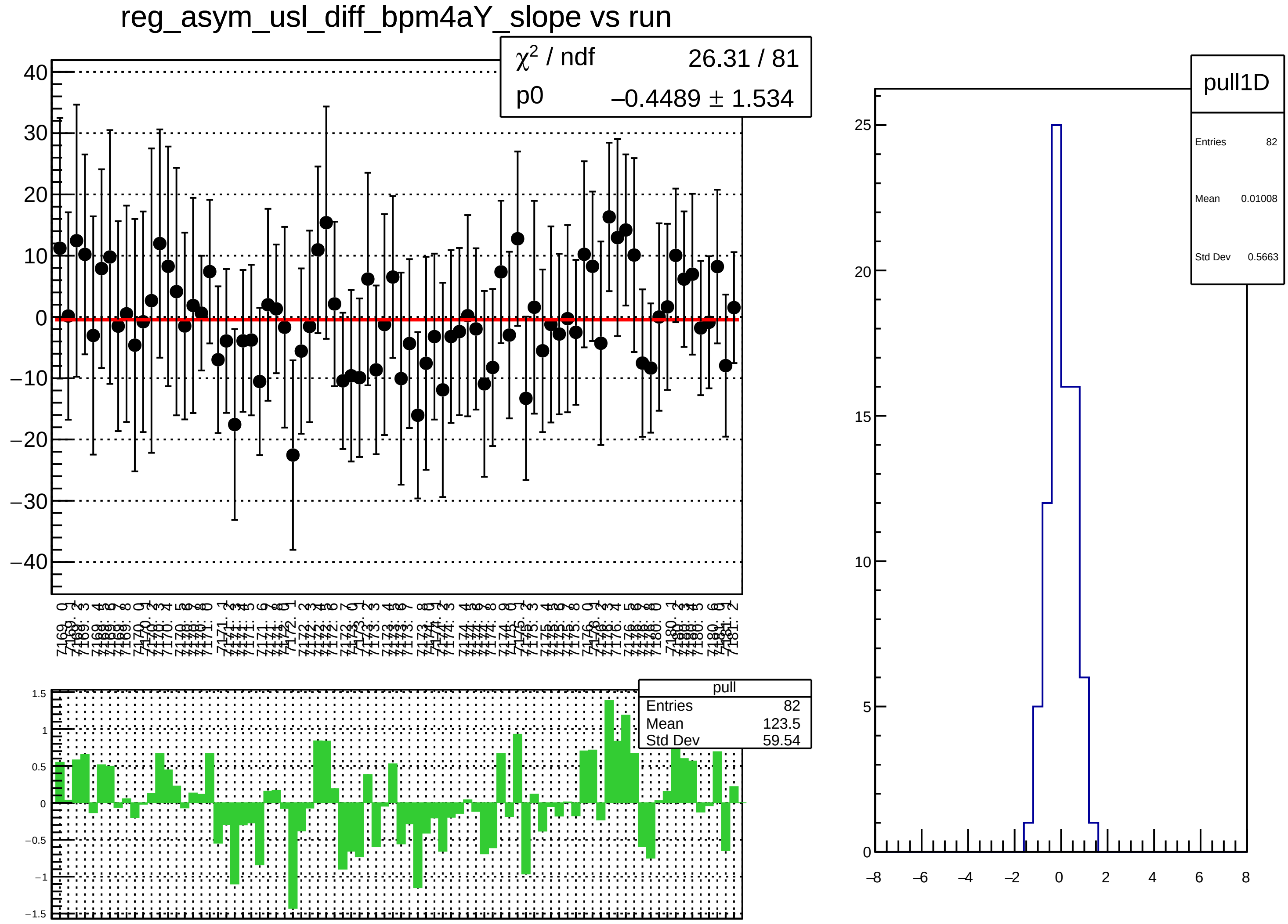
reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 56.17 / 81
p0 40.9 ± 0.2358
pull
Entries 82
Mean −156.1
Std Dev 192.9
pull1D
Entries 82
Mean −0.04722
Std Dev 0.8263



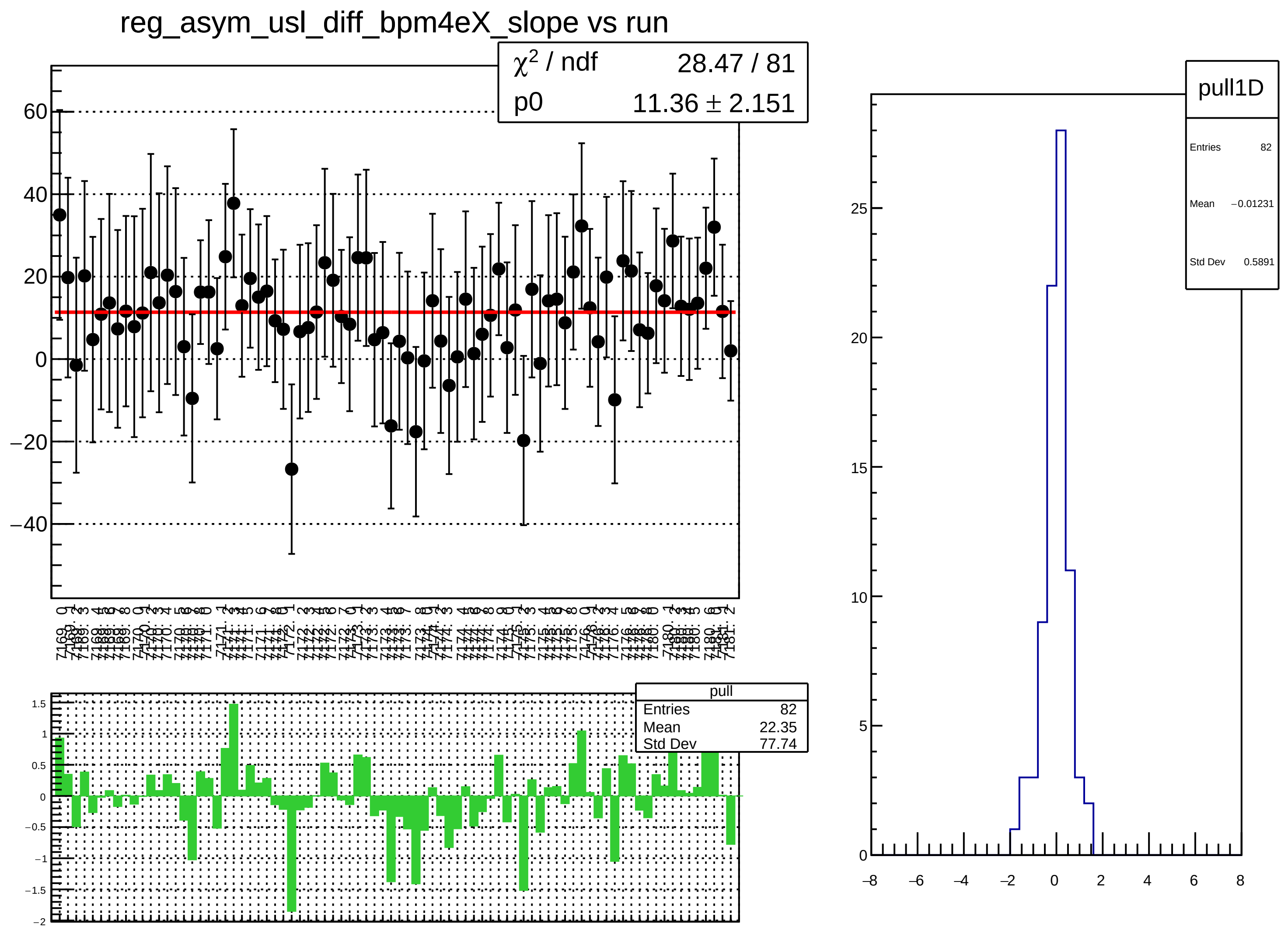
reg_asym_sam8_diff_bpm12X_slope vs run
χ2 / ndf 51.33 / 81
p0 0.1585 ± 0.01088
pull
Entries 82
Mean −775.3
Std Dev 815
pull1D
Entries 82
Mean −0.01864
Std Dev 0.791



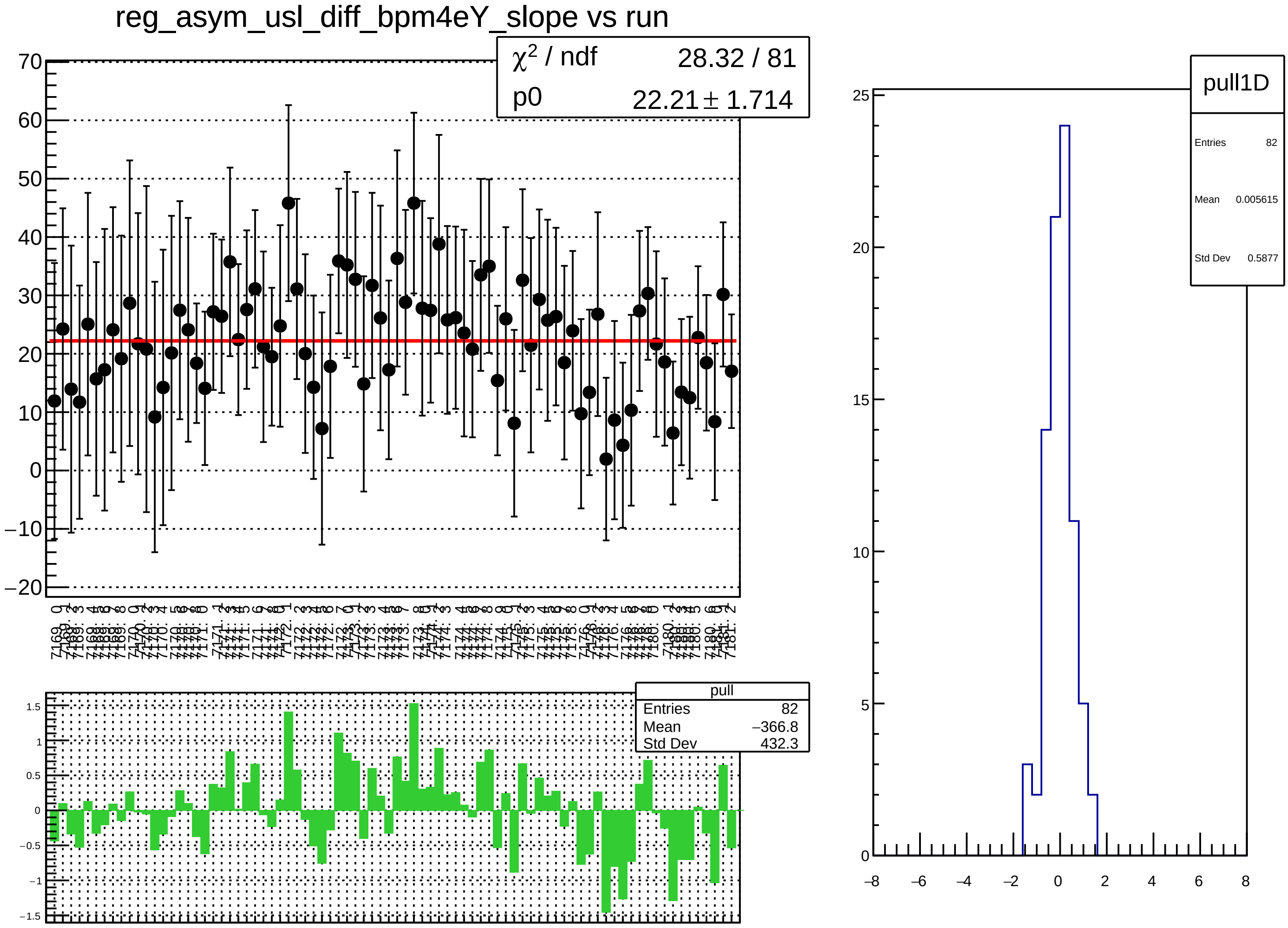
reg_asym_usl_diff_bpm1X_slope vs run
χ2 / ndf 28.95 / 81
p0 −69.79 ± 2.152
pull
Entries 82
Mean 22.65
Std Dev 78.68
pull1D
Entries 82
Mean 0.01169
Std Dev 0.5941

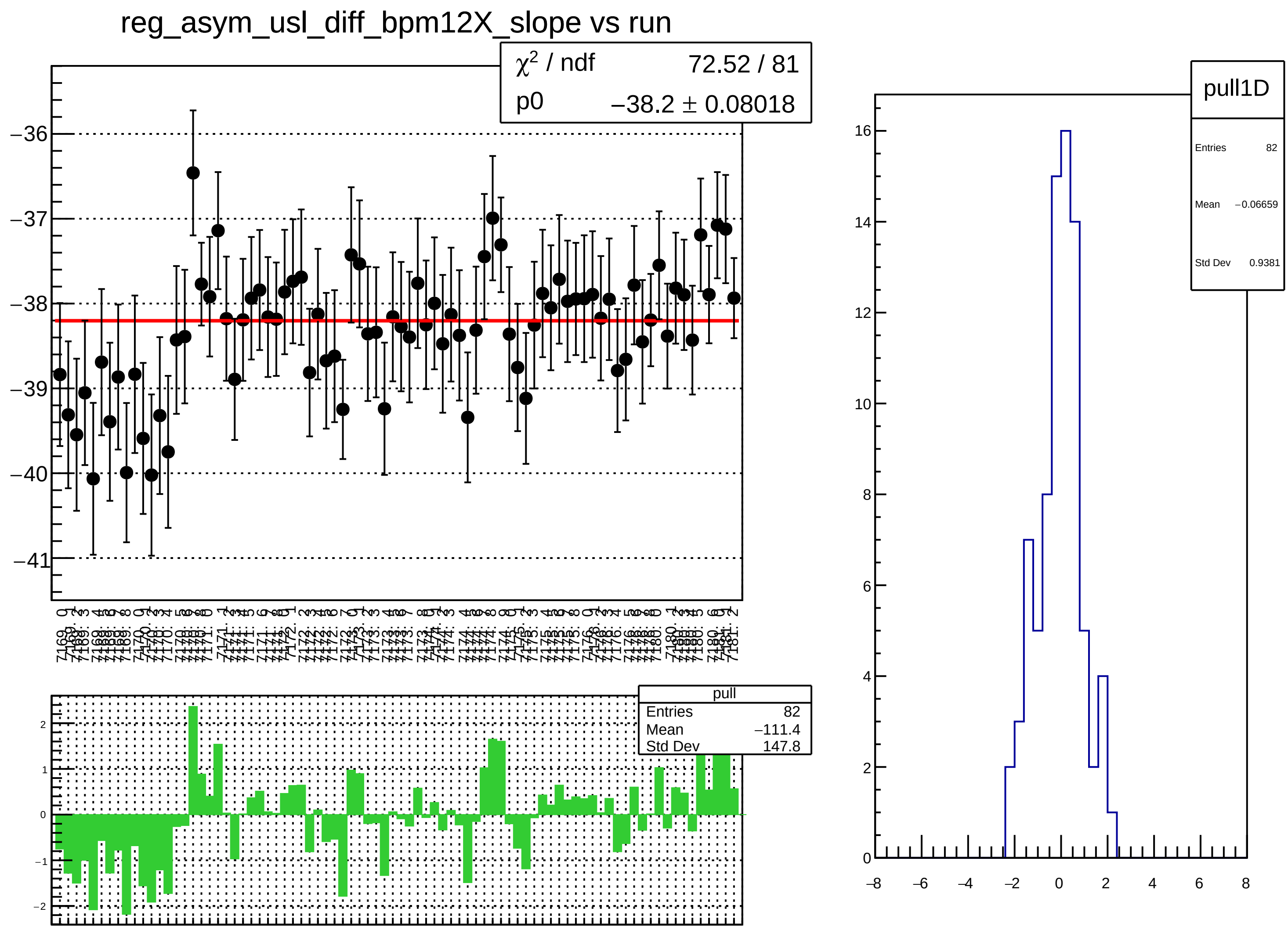


reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 26.31 / 81
p0 −0.4489 ± 1.534
40
30
20
10
0
−10
−20
−30
−40
pull
Entries 82
Mean 123.5
Std Dev 59.54
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01008
Std Dev 0.5663
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

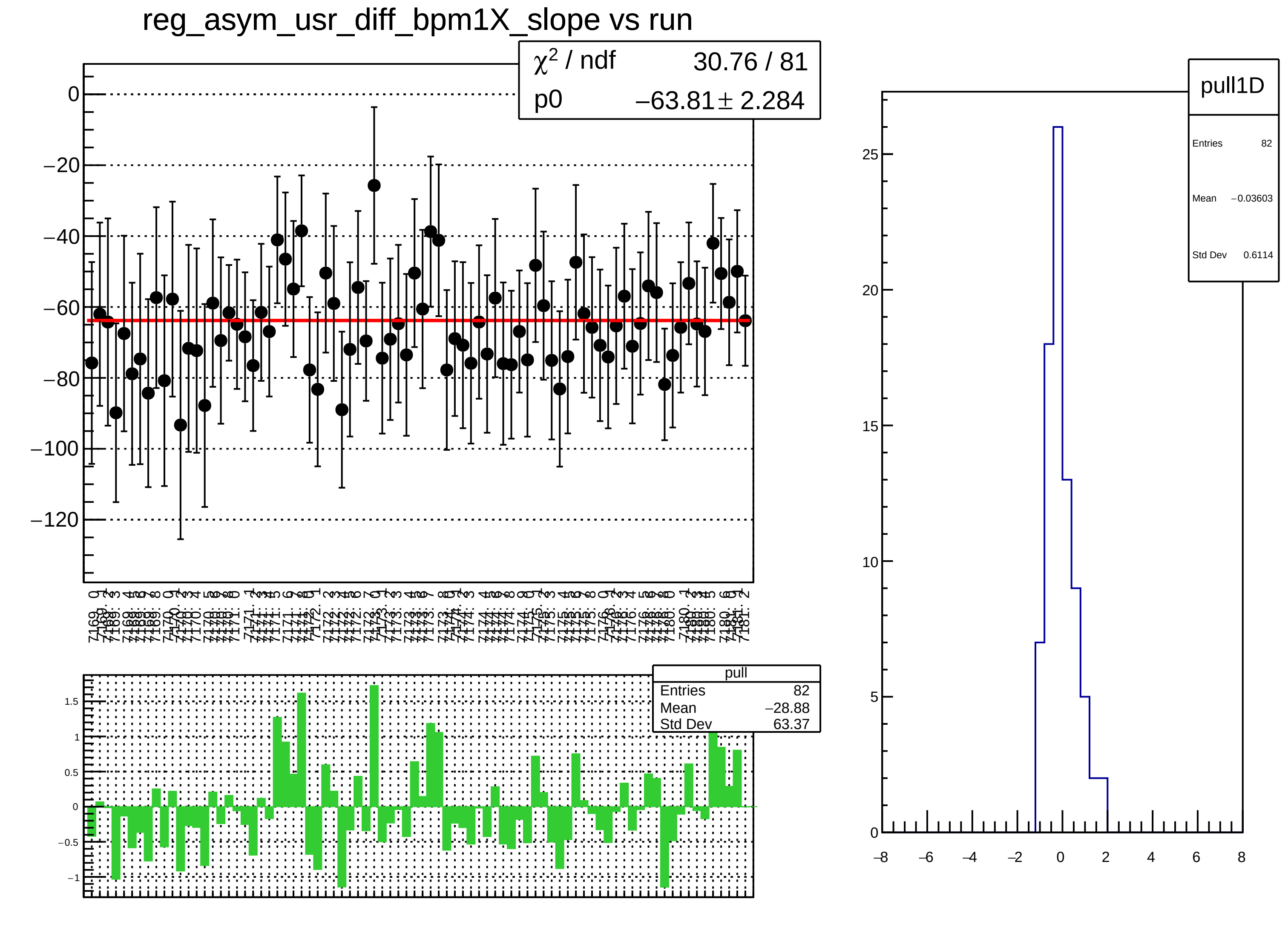


reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 28.47 / 81
p0 11.36 ± 2.151
pull
Entries 82
Mean 22.35
Std Dev 77.74
pull1D
Entries 82
Mean −0.01231
Std Dev 0.5891

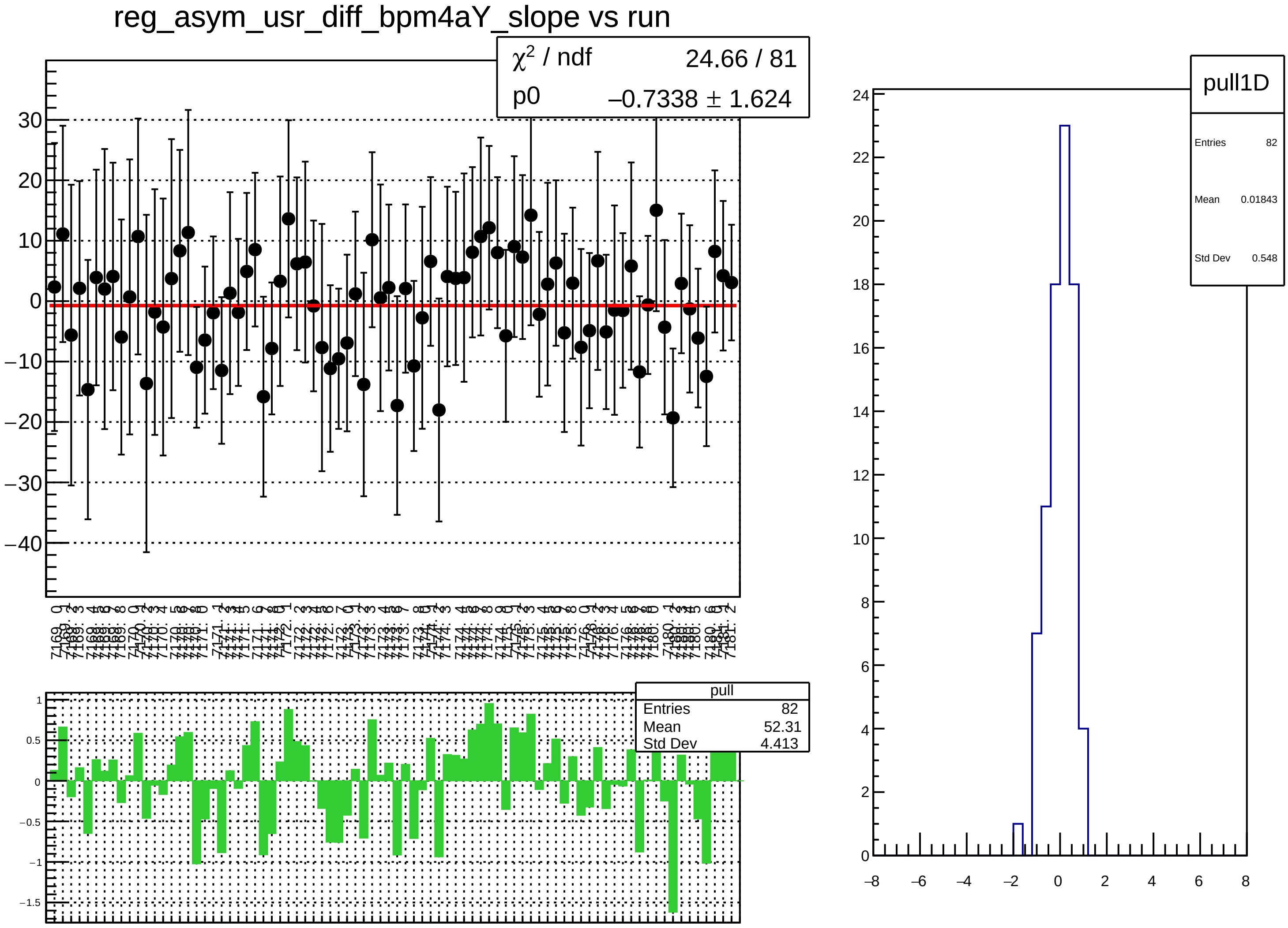

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 28.32 / 81
p0 22.21 ± 1.714
70
60
50
40
30
20
10
0
−10
−20
pull
Entries 82
Mean −366.8
Std Dev 432.3
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.005615
Std Dev 0.5877
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



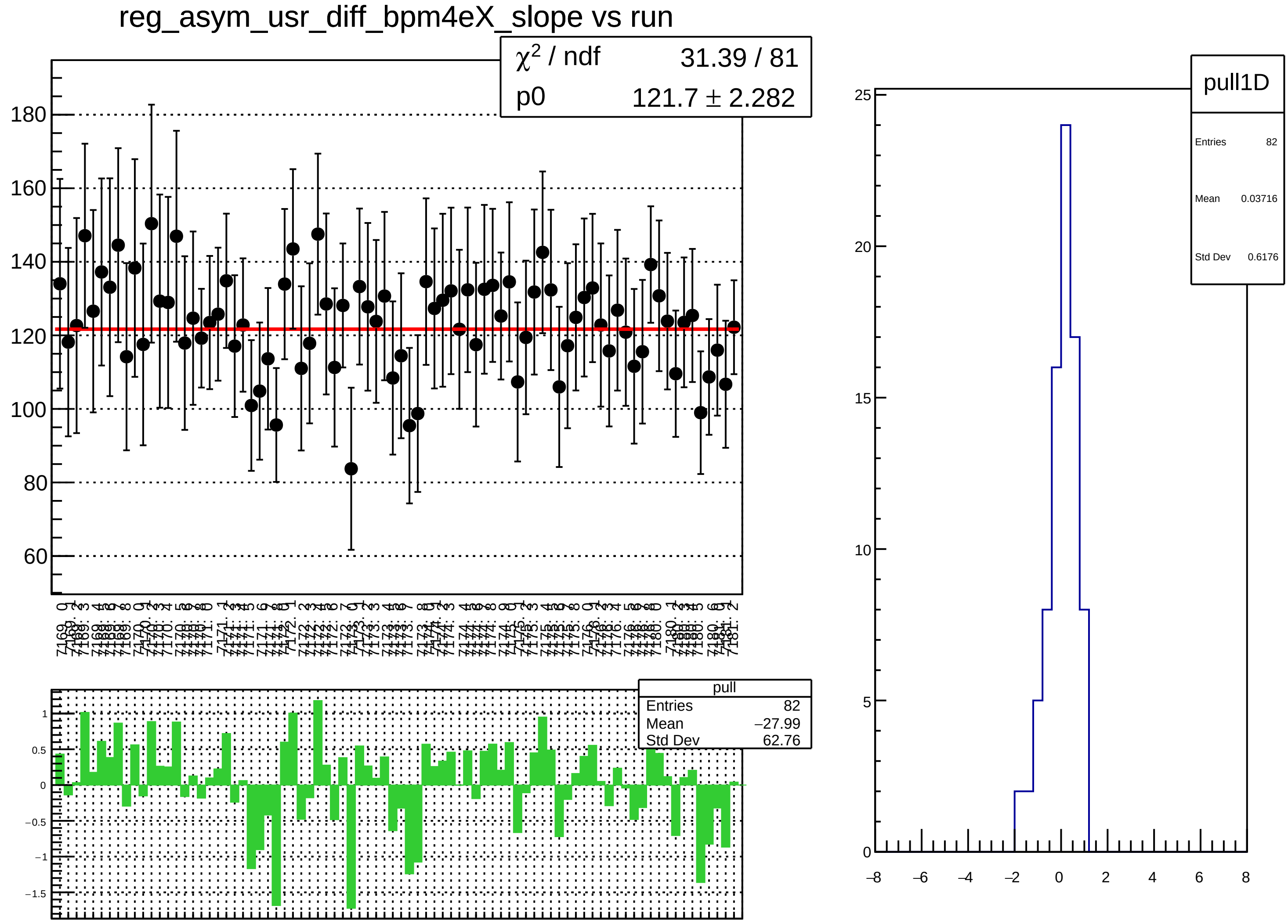
reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 72.52 / 81
p0 −38.2 ± 0.08018
pull
Entries 82
Mean −111.4
Std Dev 147.8
pull1D
Entries 82
Mean −0.06659
Std Dev 0.9381



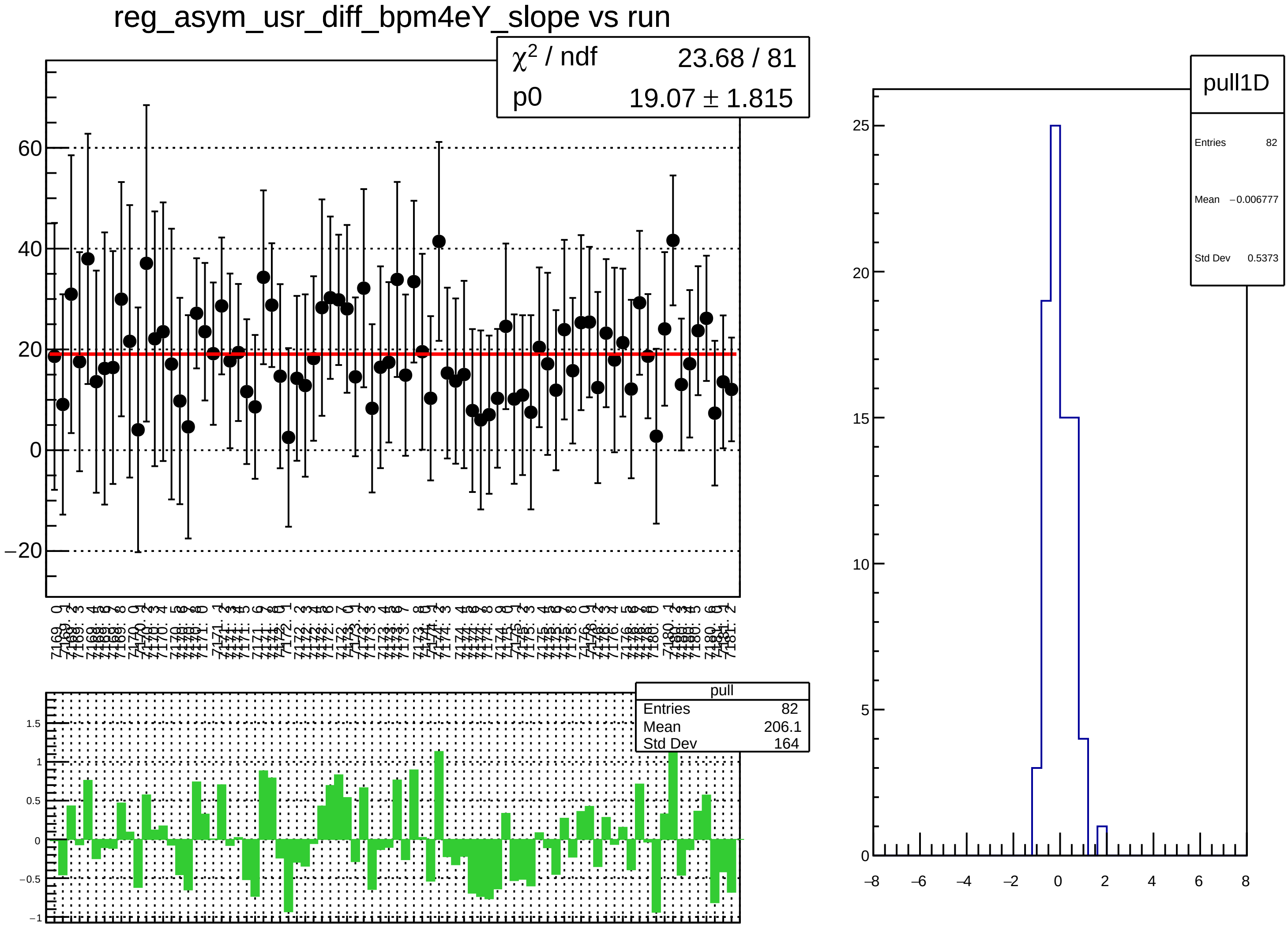
reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 30.76 / 81
p0 −63.81 ± 2.284
pull
Entries 82
Mean −28.88
Std Dev 63.37
pull1D
Entries 82
Mean −0.03603
Std Dev 0.6114



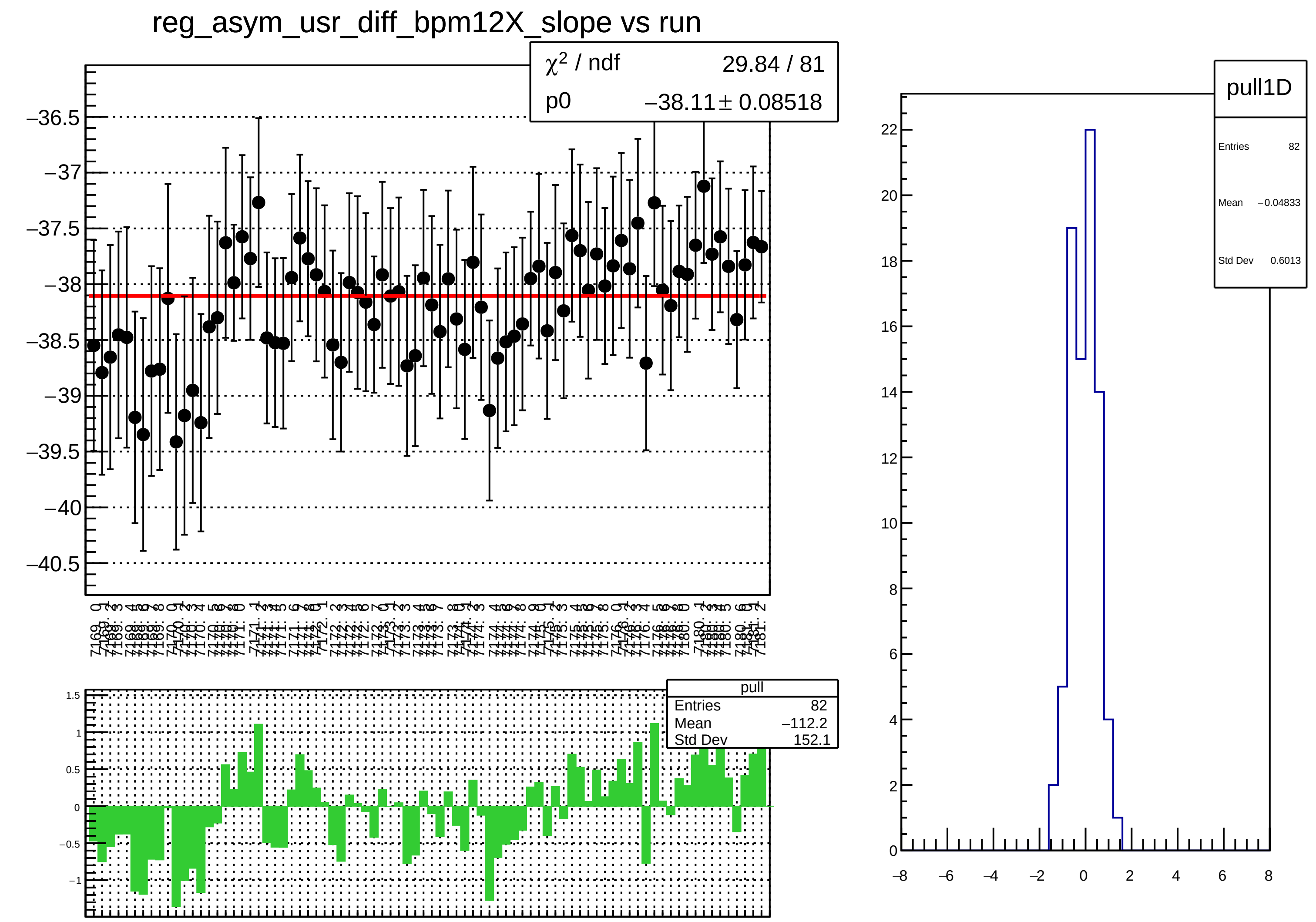
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 24.66 / 81
p0 −0.7338 ± 1.624
pull
Entries 82
Mean 52.31
Std Dev 4.413
pull1D
Entries 82
Mean 0.01843
Std Dev 0.548



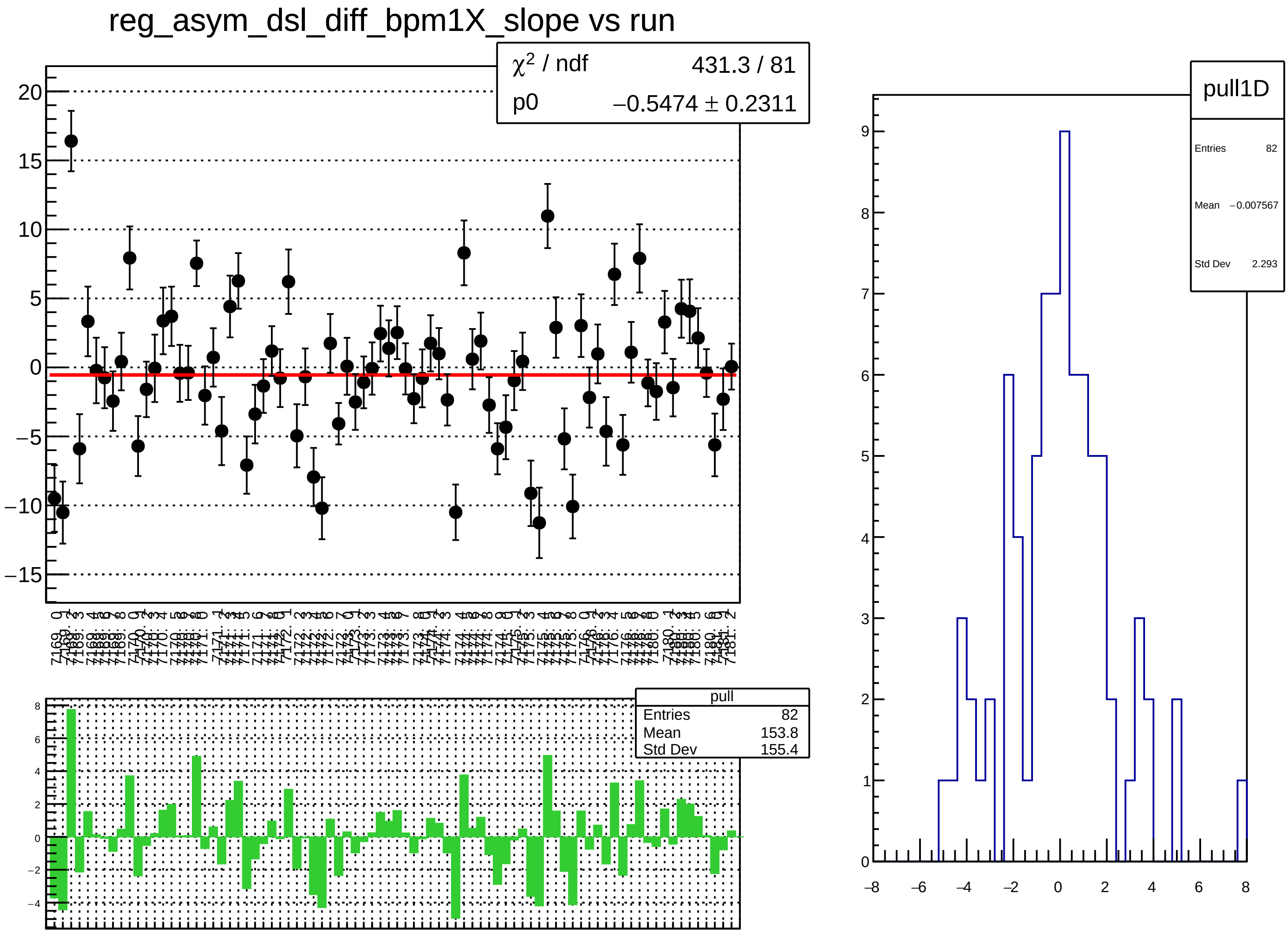
reg_asym_usr_diff_bpm4eX_slope vs run
χ2 / ndf 31.39 / 81
p0 121.7 ± 2.282
pull
Entries 82
Mean −27.99
Std Dev 62.76
pull1D
Entries 82
Mean 0.03716
Std Dev 0.6176



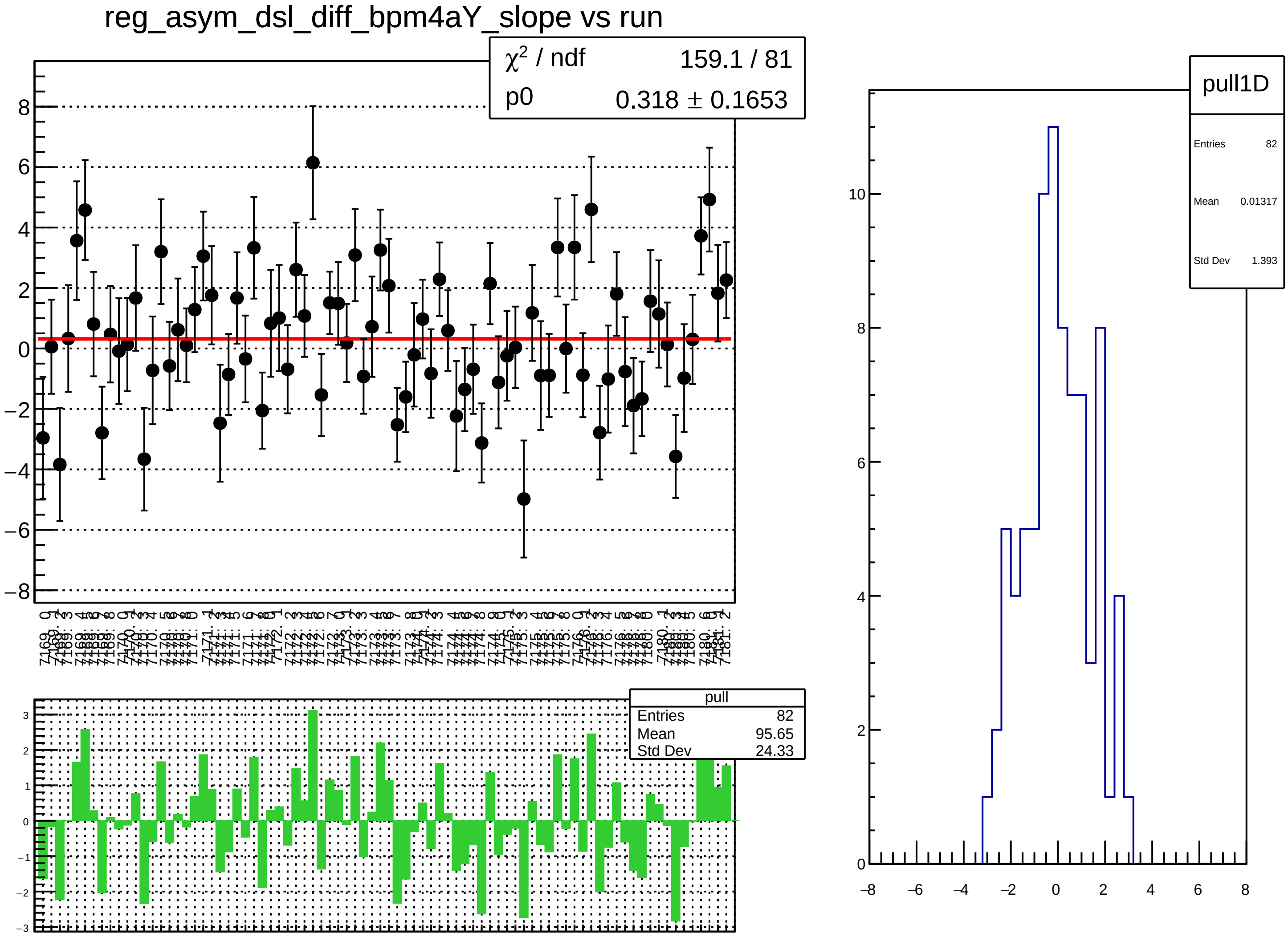
reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 23.68 / 81
p0 19.07 ± 1.815
pull
Entries 82
Mean 206.1
Std Dev 164
pull1D
Entries 82
Mean −0.006777
Std Dev 0.5373



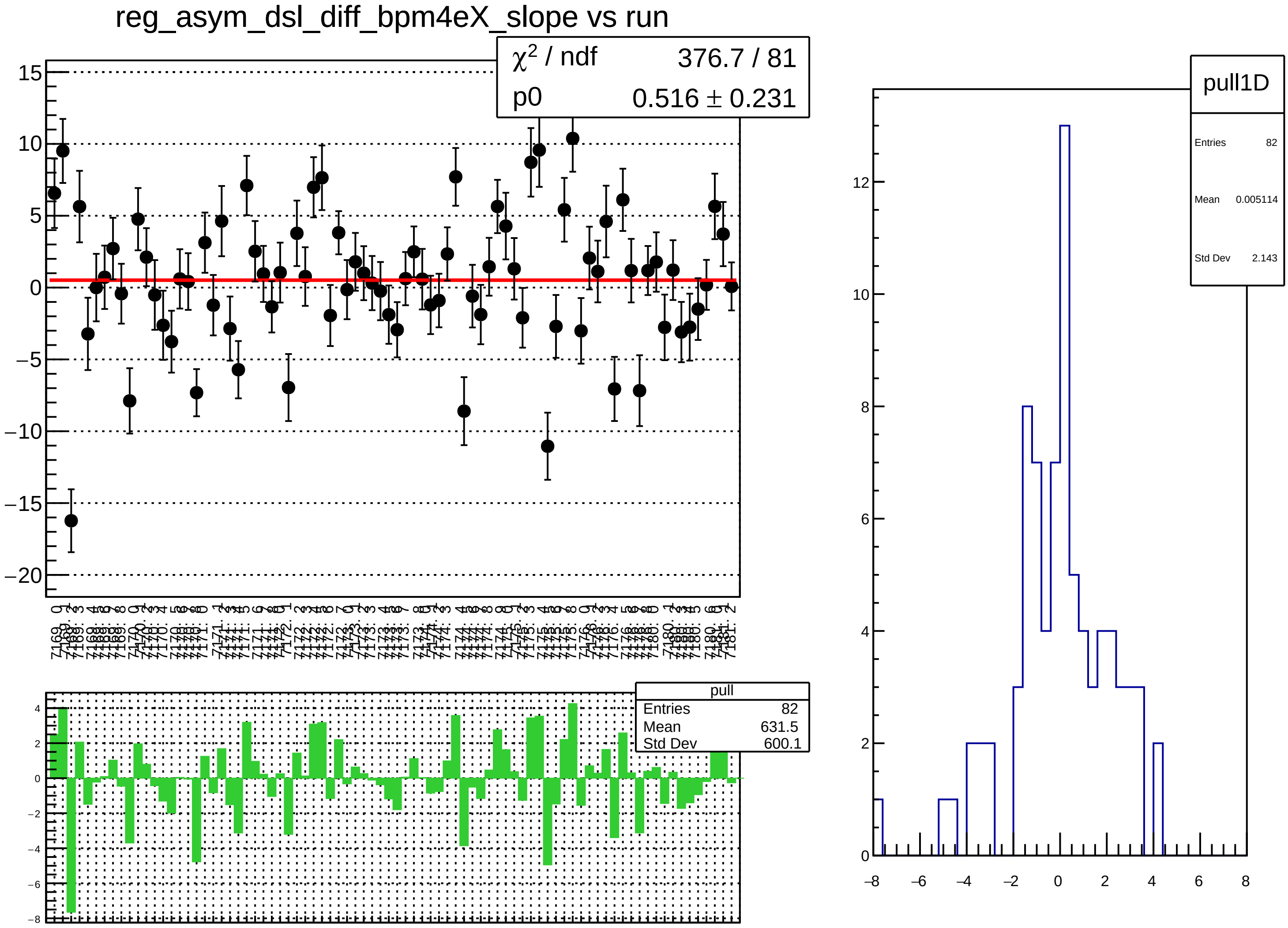
reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 29.84 / 81
p0 −38.11 ± 0.08518
pull
Entries 82
Mean −112.2
Std Dev 152.1
pull1D
Entries 82
Mean −0.04833
Std Dev 0.6013



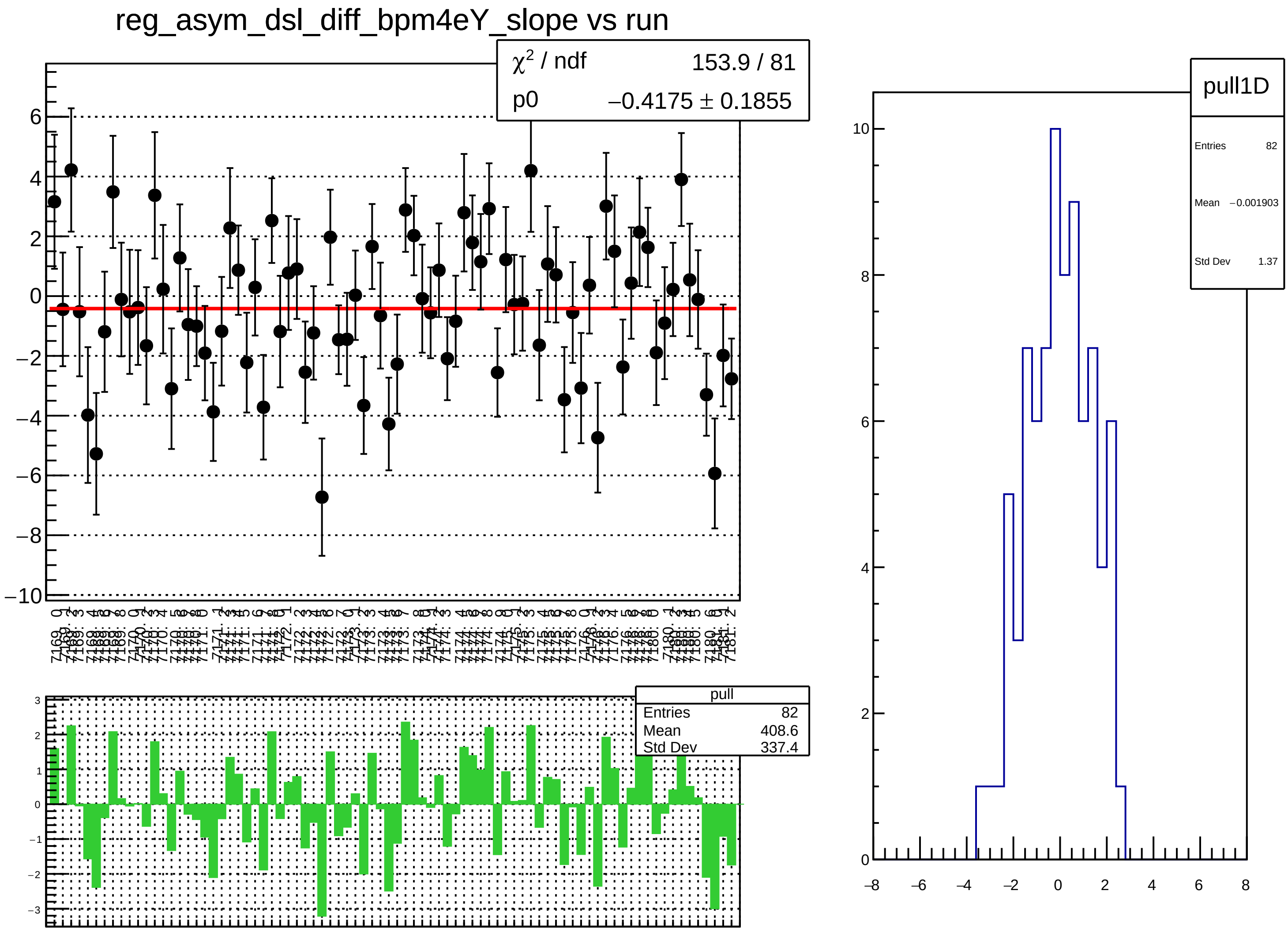
reg_asym_dsl_diff_bpm1X_slope vs run
χ^2 / ndf 431.3 / 81
p0 −0.5474 ± 0.2311
pull
Entries 82
Mean 153.8
Std Dev 155.4
pull1D
Entries 82
Mean −0.007567
Std Dev 2.293



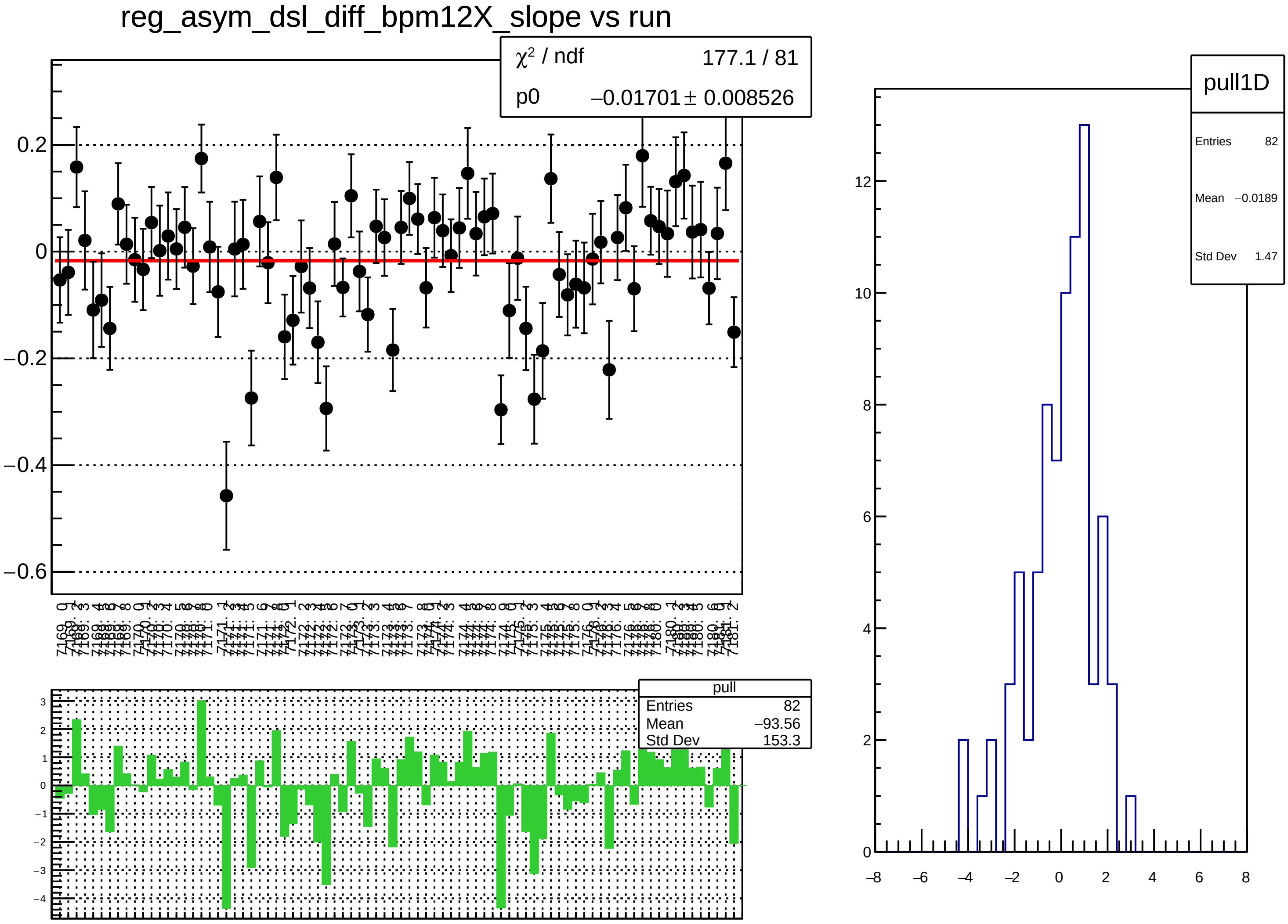
reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 159.1 / 81
p0 0.318 ± 0.1653
pull
Entries 82
Mean 95.65
Std Dev 24.33
pull1D
Entries 82
Mean 0.01317
Std Dev 1.393



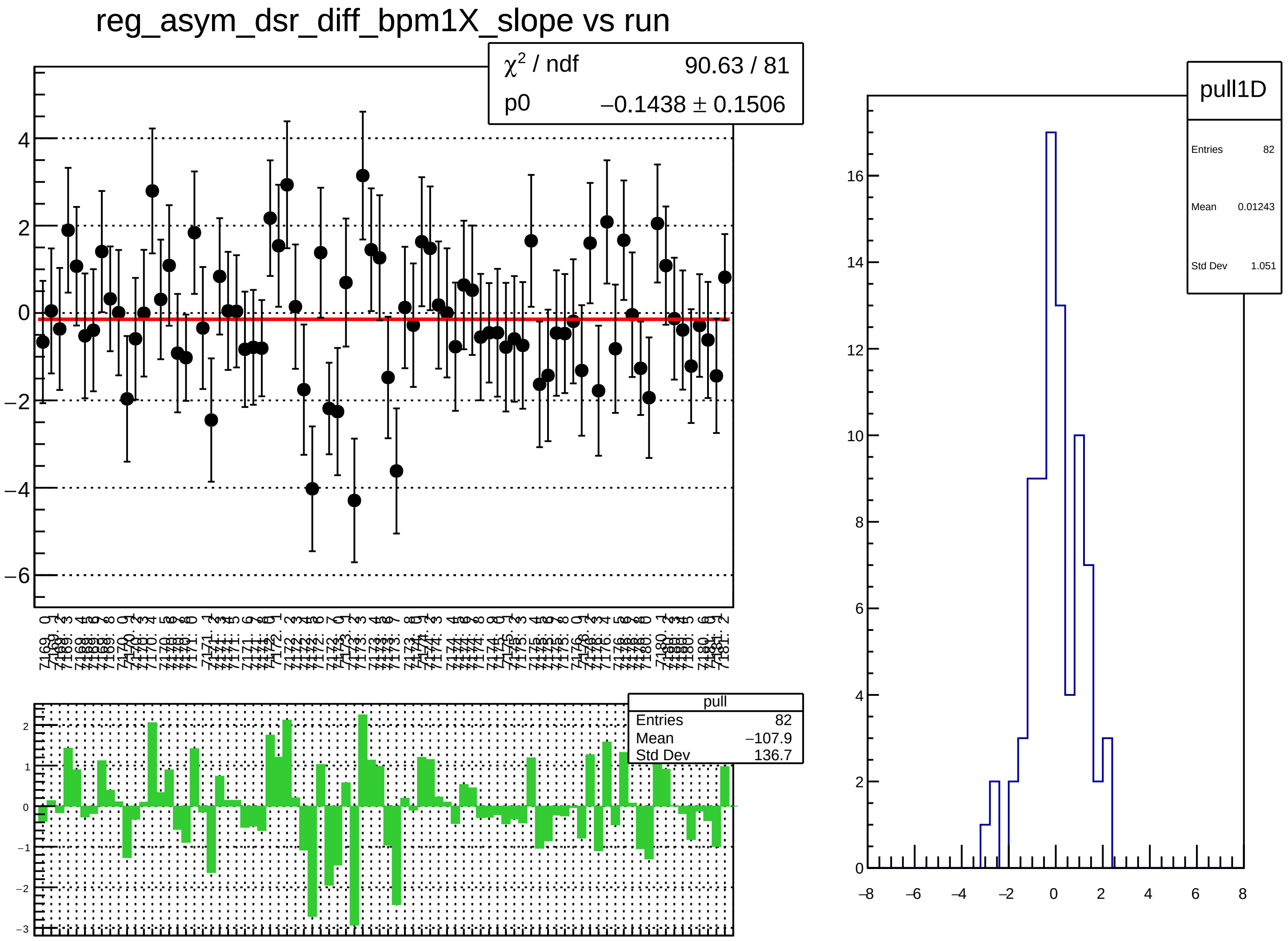
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 376.7 / 81
p0 0.516 ± 0.231
pull
Entries 82
Mean 631.5
Std Dev 600.1
pull1D
Entries 82
Mean 0.005114
Std Dev 2.143

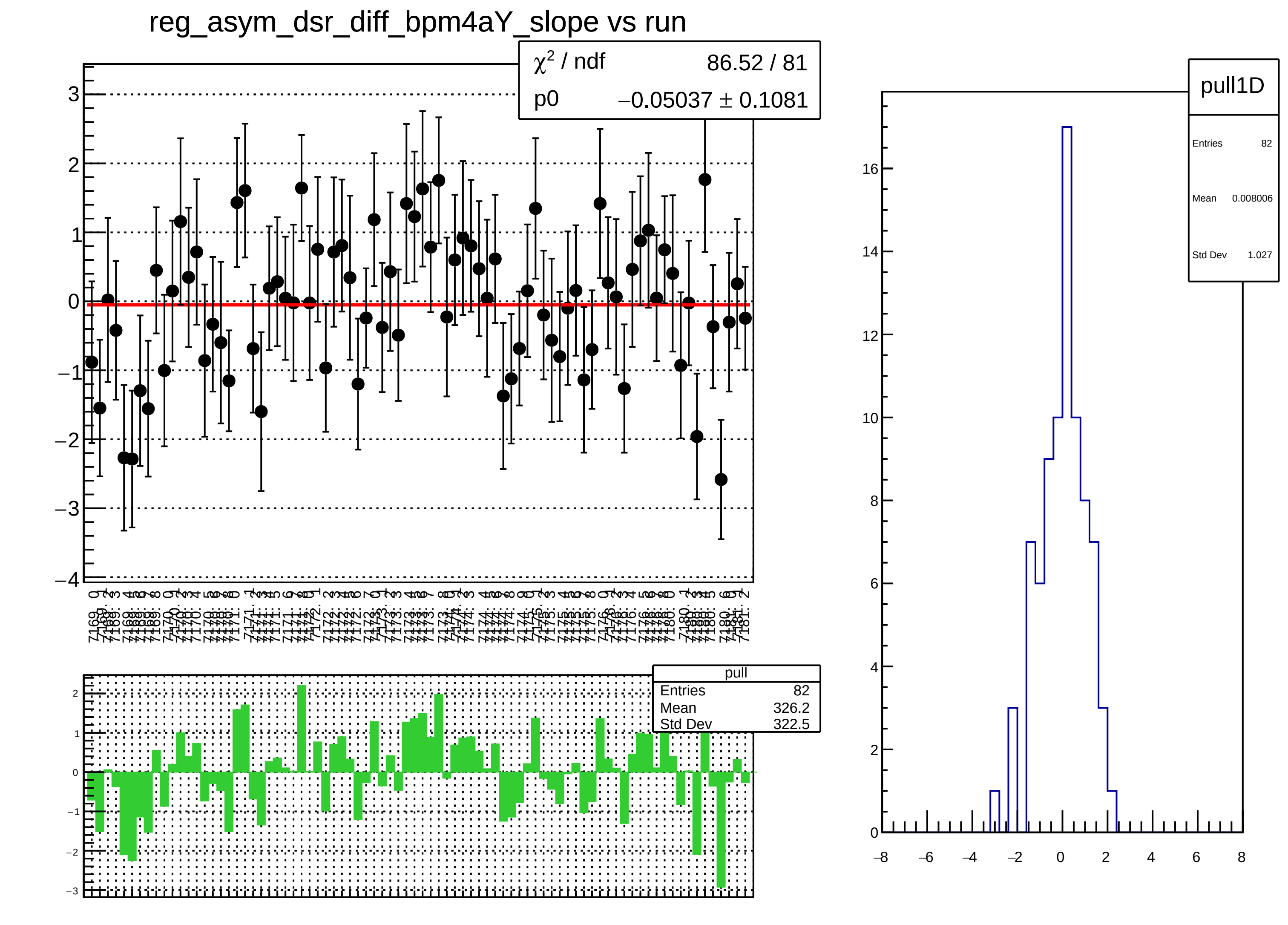


reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 153.9 / 81
p0 −0.4175 ± 0.1855
pull
Entries 82
Mean 408.6
Std Dev 337.4
pull1D
Entries 82
Mean −0.001903
Std Dev 1.37

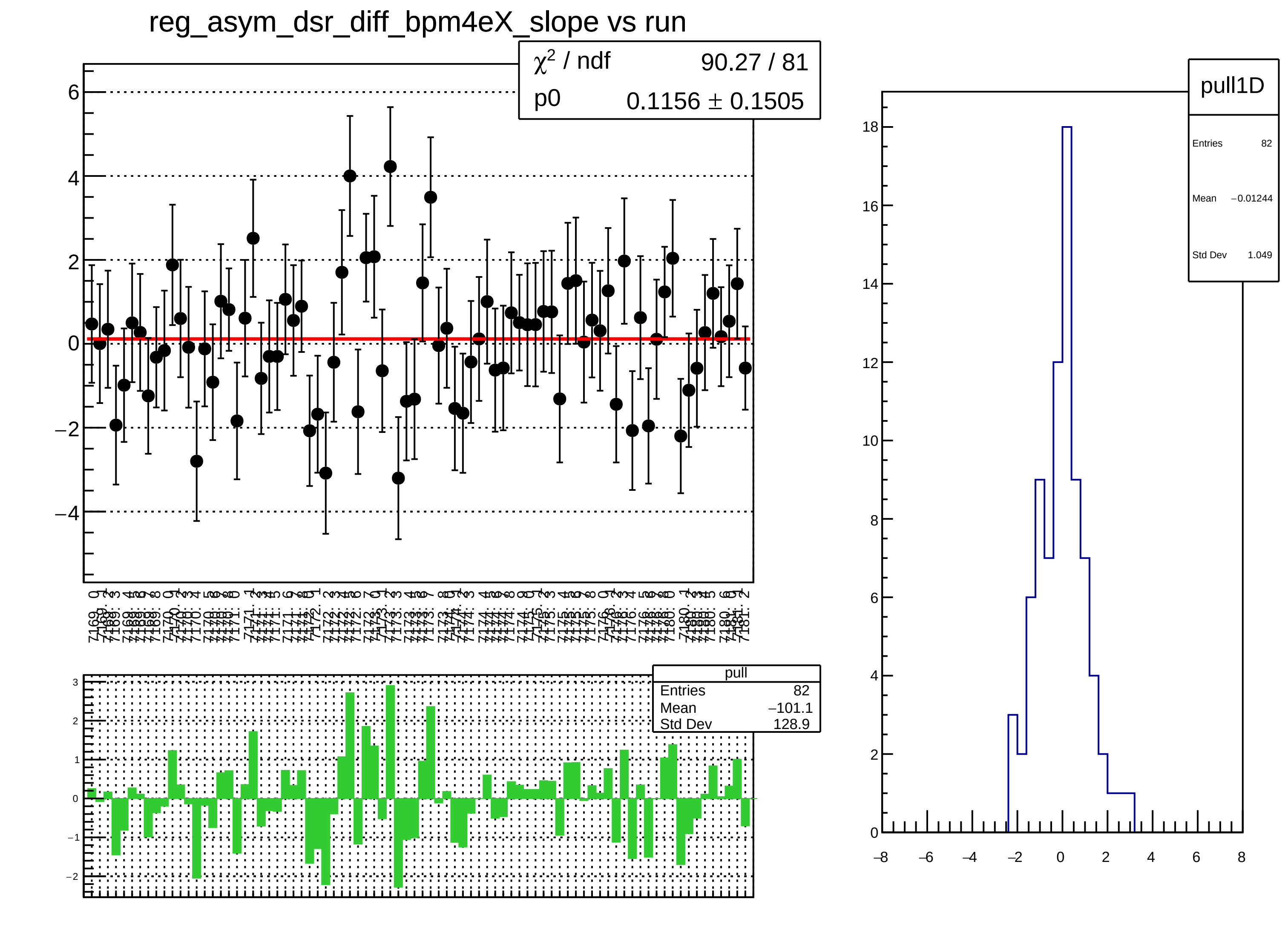


reg_asym_dsl_diff_bpm12X_slope vs run
χ^2 / ndf 177.1 / 81
p0 −0.01701 ± 0.008526
pull
Entries 82
Mean −93.56
Std Dev 153.3
pull1D
Entries 82
Mean −0.0189
Std Dev 1.47

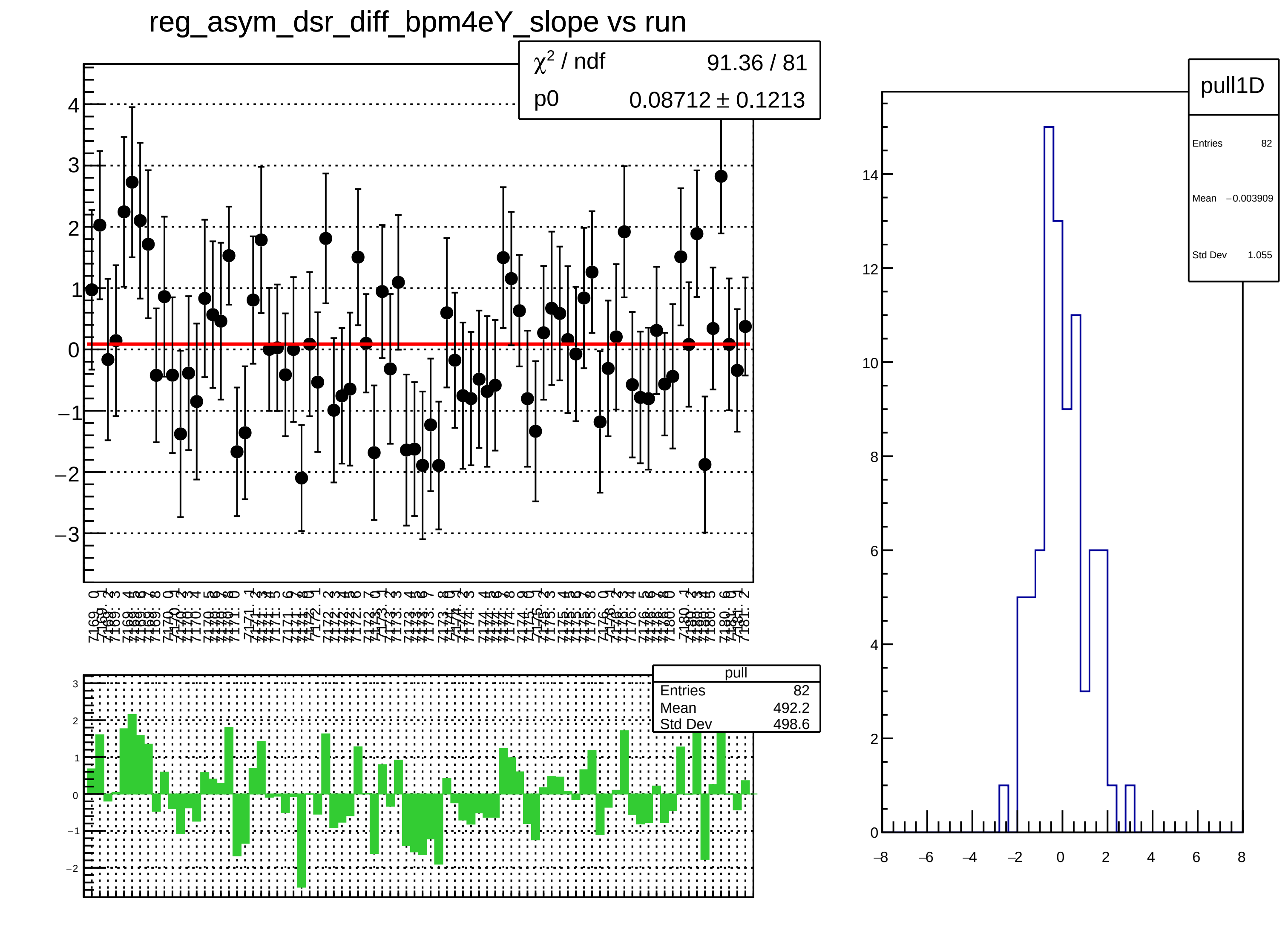

reg_asym_dsr_diff_bpm1X_slope vs run
χ^2 / ndf 90.63 / 81
p0 −0.1438 ± 0.1506
pull
Entries 82
Mean −107.9
Std Dev 136.7
pull1D
Entries 82
Mean 0.01243
Std Dev 1.051

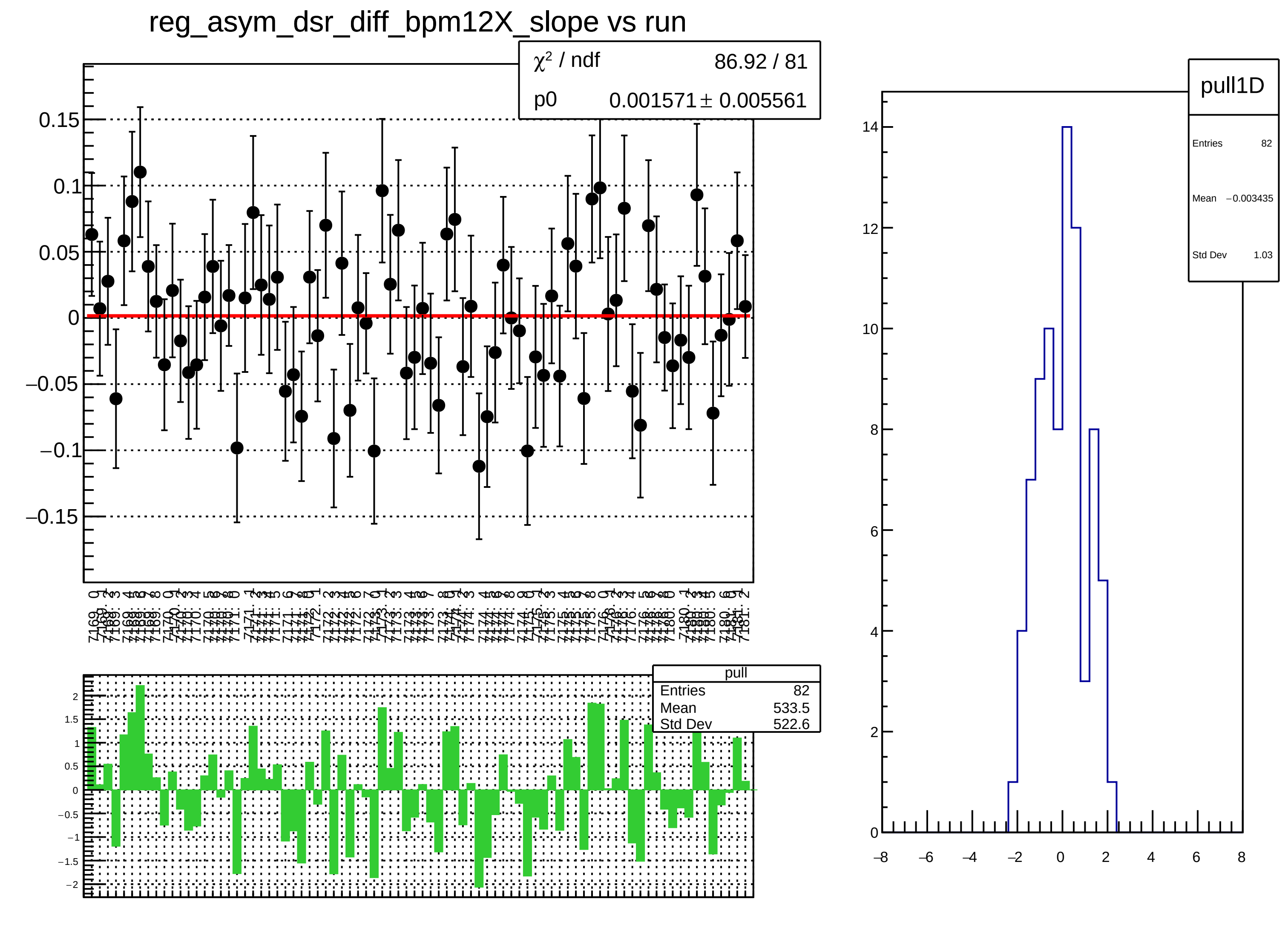


reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 86.52 / 81
p0 −0.05037 ± 0.1081
pull
Entries 82
Mean 326.2
Std Dev 322.5
pull1D
Entries 82
Mean 0.008006
Std Dev 1.027

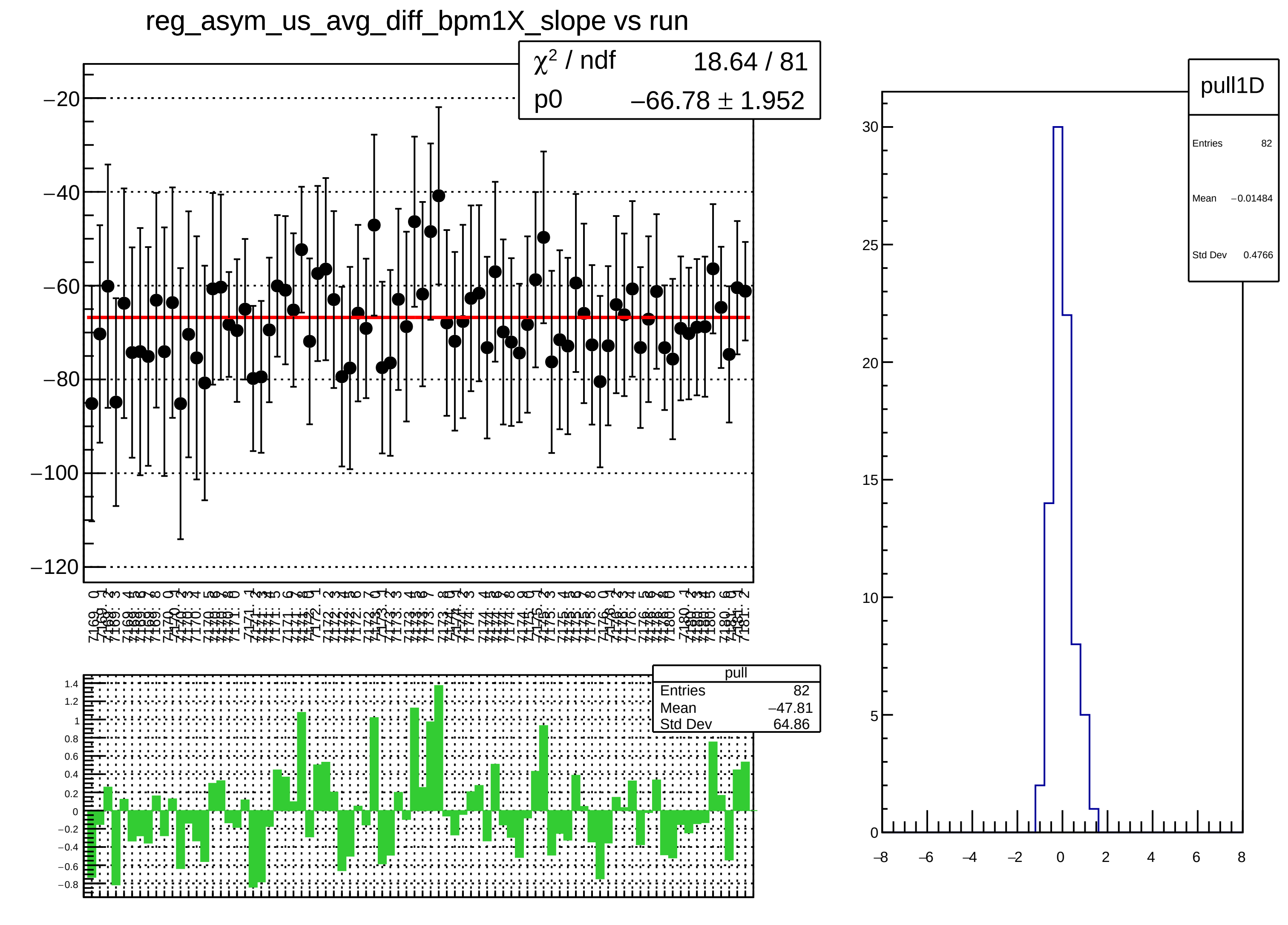


reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 90.27 / 81
p0 0.1156 ± 0.1505
pull
Entries 82
Mean −101.1
Std Dev 128.9
pull1D
Entries 82
Mean −0.01244
Std Dev 1.049

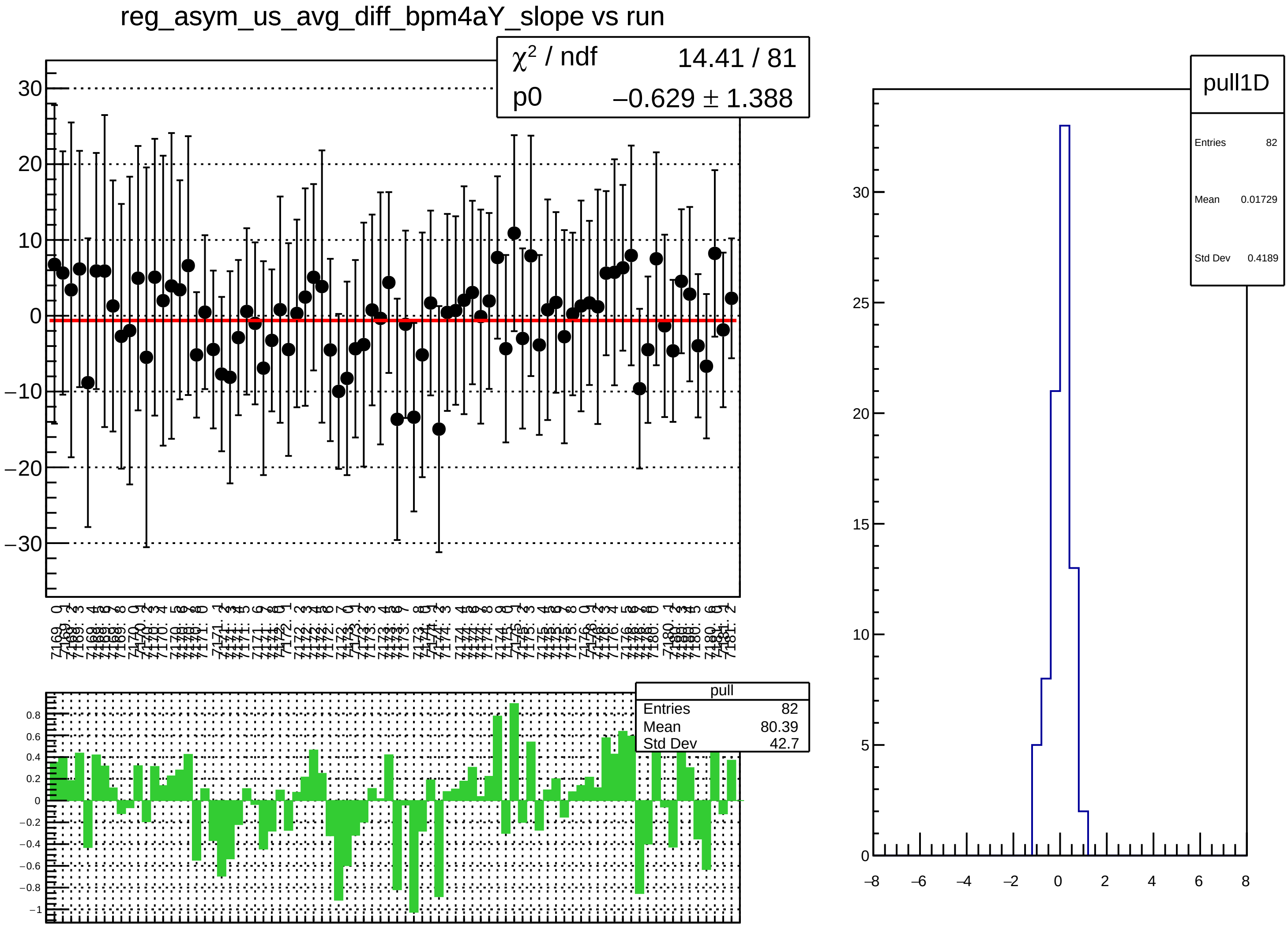

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 91.36 / 81
p0 0.08712 ± 0.1213
pull
Entries 82
Mean 492.2
Std Dev 498.6
pull1D
Entries 82
Mean −0.003909
Std Dev 1.055

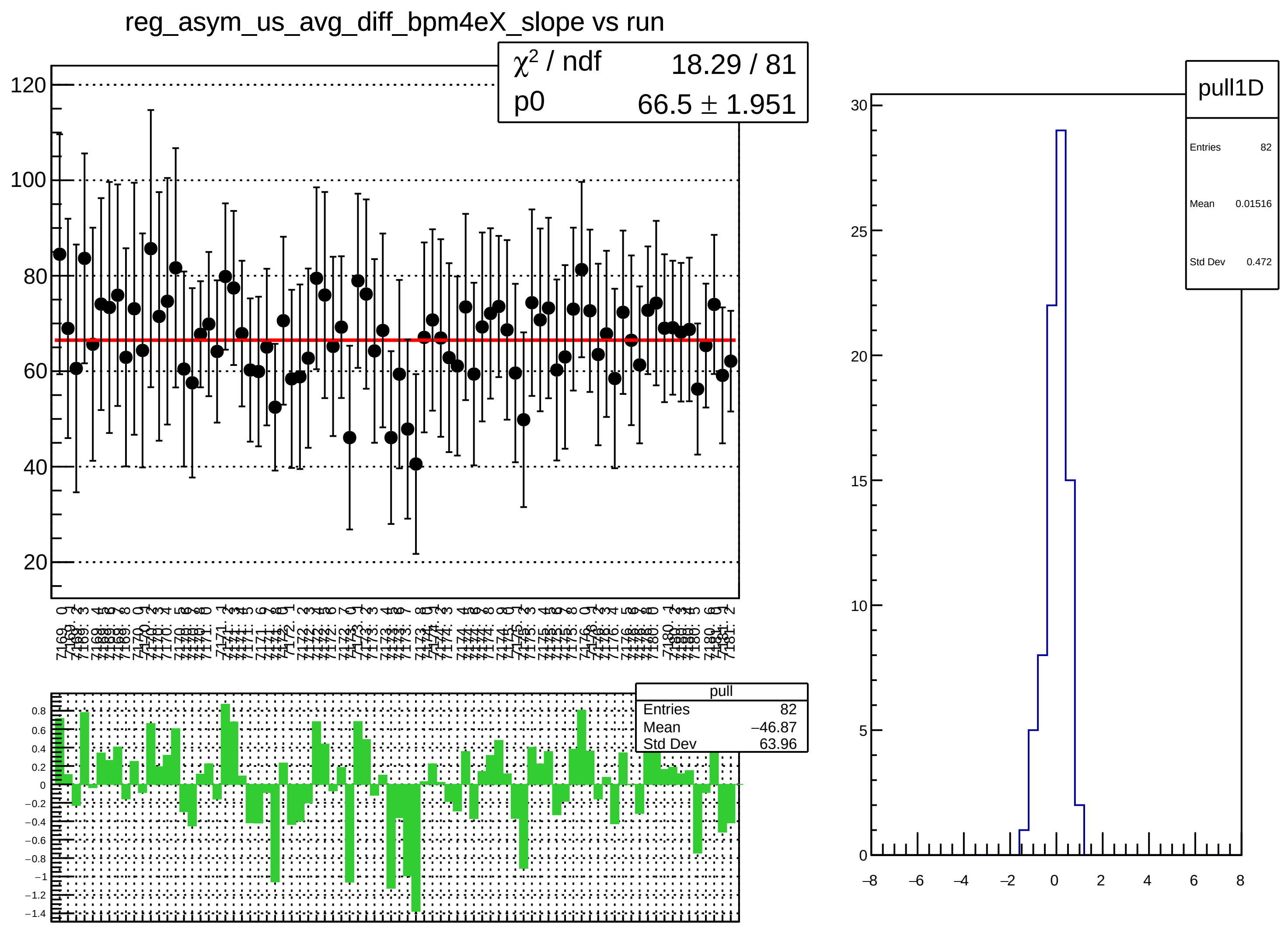


reg_asym_dsr_diff_bpm12X_slope vs run
χ2 / ndf 86.92 / 81
p0 0.001571 ± 0.005561
pull
Entries 82
Mean 533.5
Std Dev 522.6
pull1D
Entries 82
Mean −0.003435
Std Dev 1.03

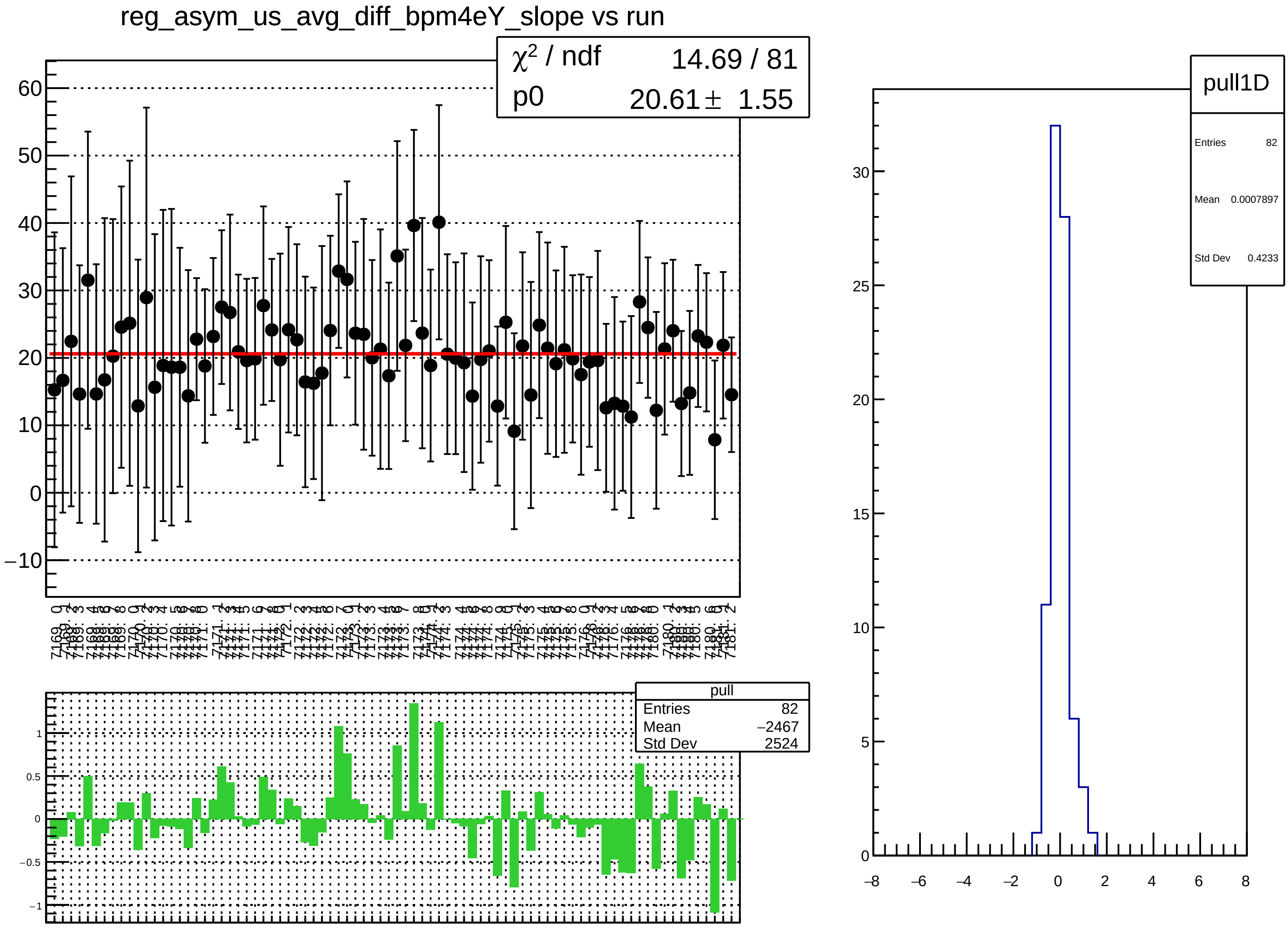


reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 18.64 / 81
p0 −66.78 ± 1.952
pull
Entries 82
Mean −47.81
Std Dev 64.86
pull1D
Entries 82
Mean −0.01484
Std Dev 0.4766

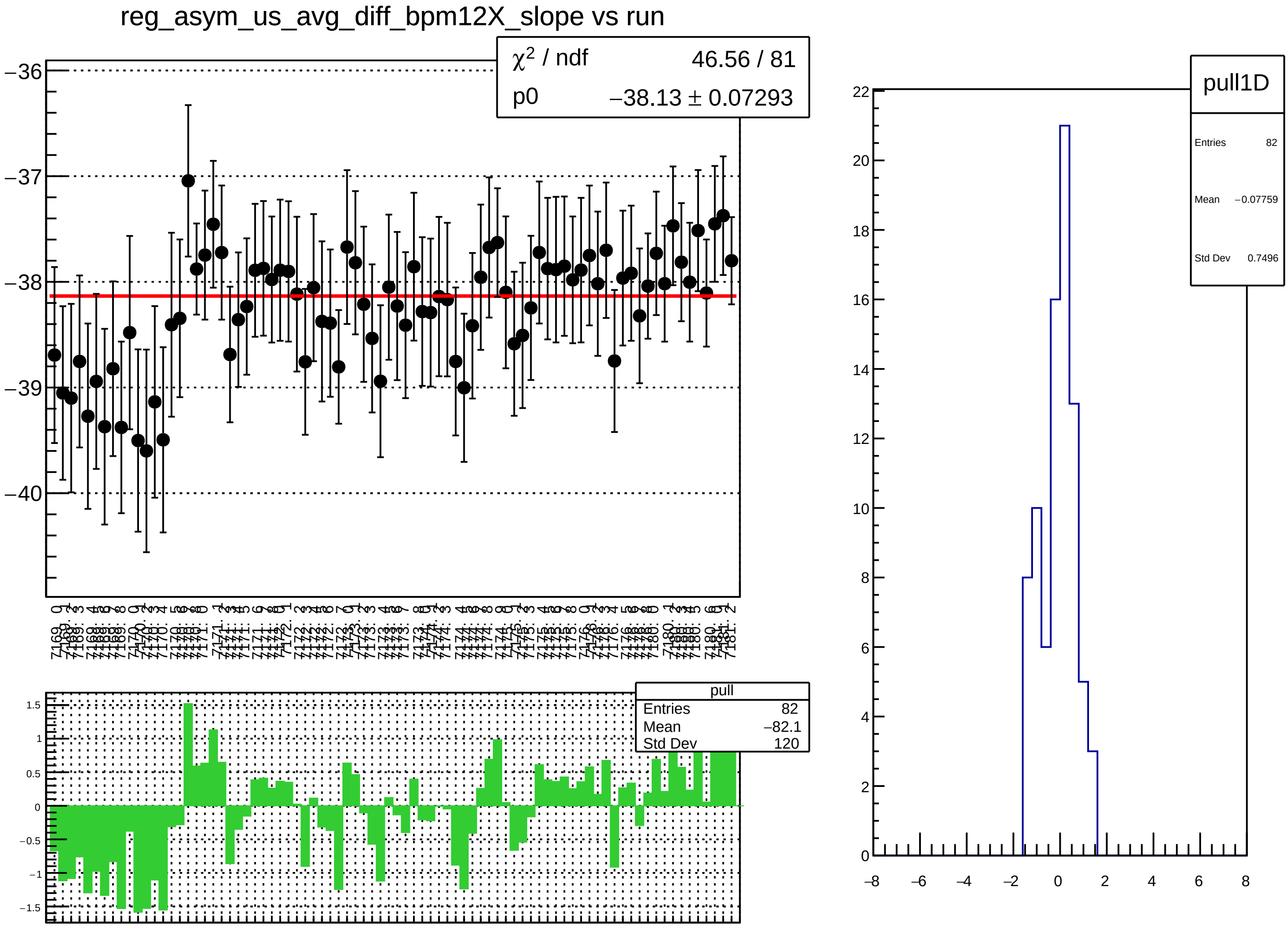

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ2 / ndf 14.41 / 81
p0 −0.629 ± 1.388
pull
Entries 82
Mean 80.39
Std Dev 42.7
pull1D
Entries 82
Mean 0.01729
Std Dev 0.4189



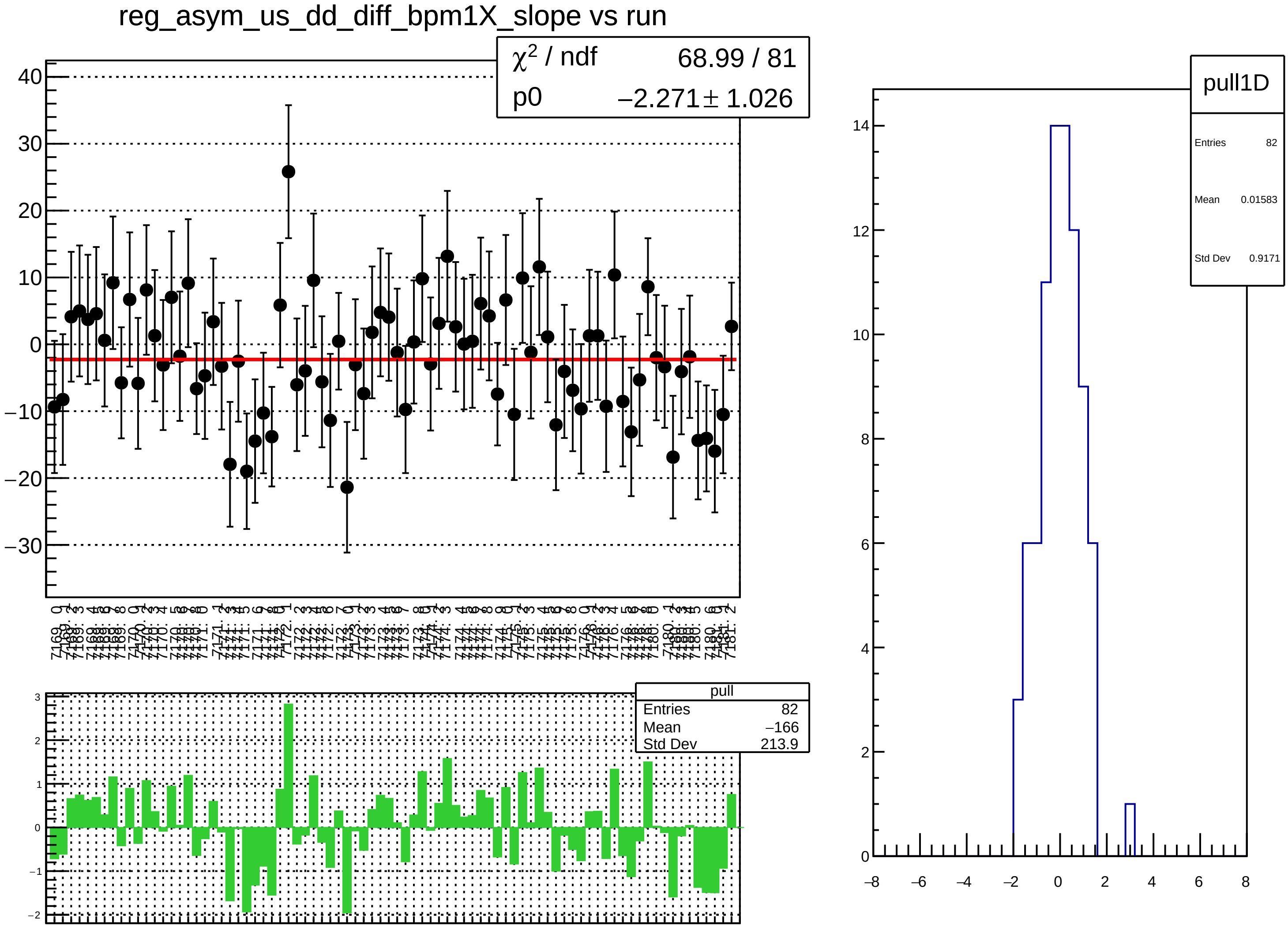
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 18.29 / 81
p0 66.5 ± 1.951
pull
Entries 82
Mean −46.87
Std Dev 63.96
pull1D
Entries 82
Mean 0.01516
Std Dev 0.472

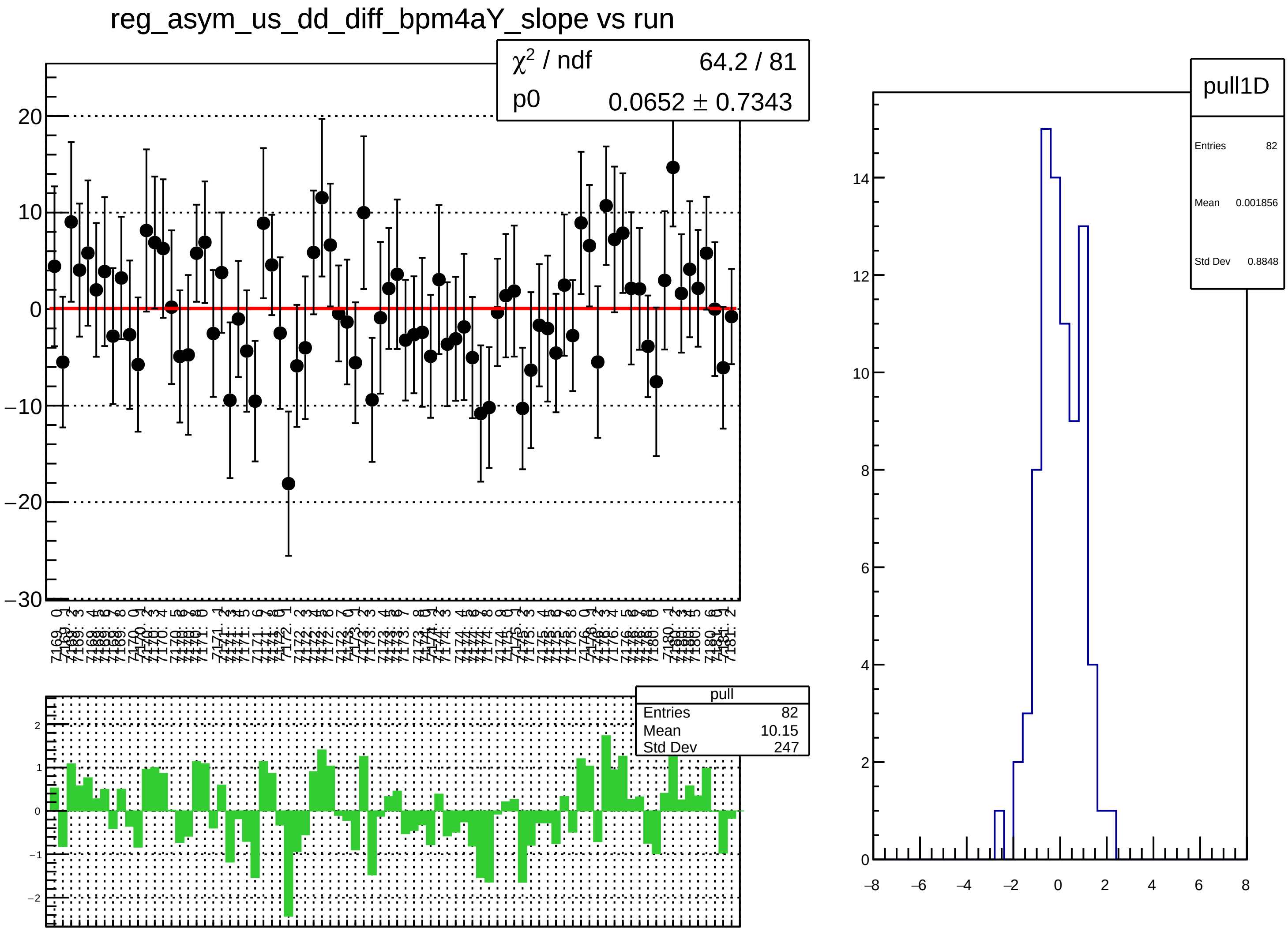


reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.69 / 81
p0 20.61 ± 1.55
pull
Entries 82
Mean −2467
Std Dev 2524
pull1D
Entries 82
Mean 0.0007897
Std Dev 0.4233

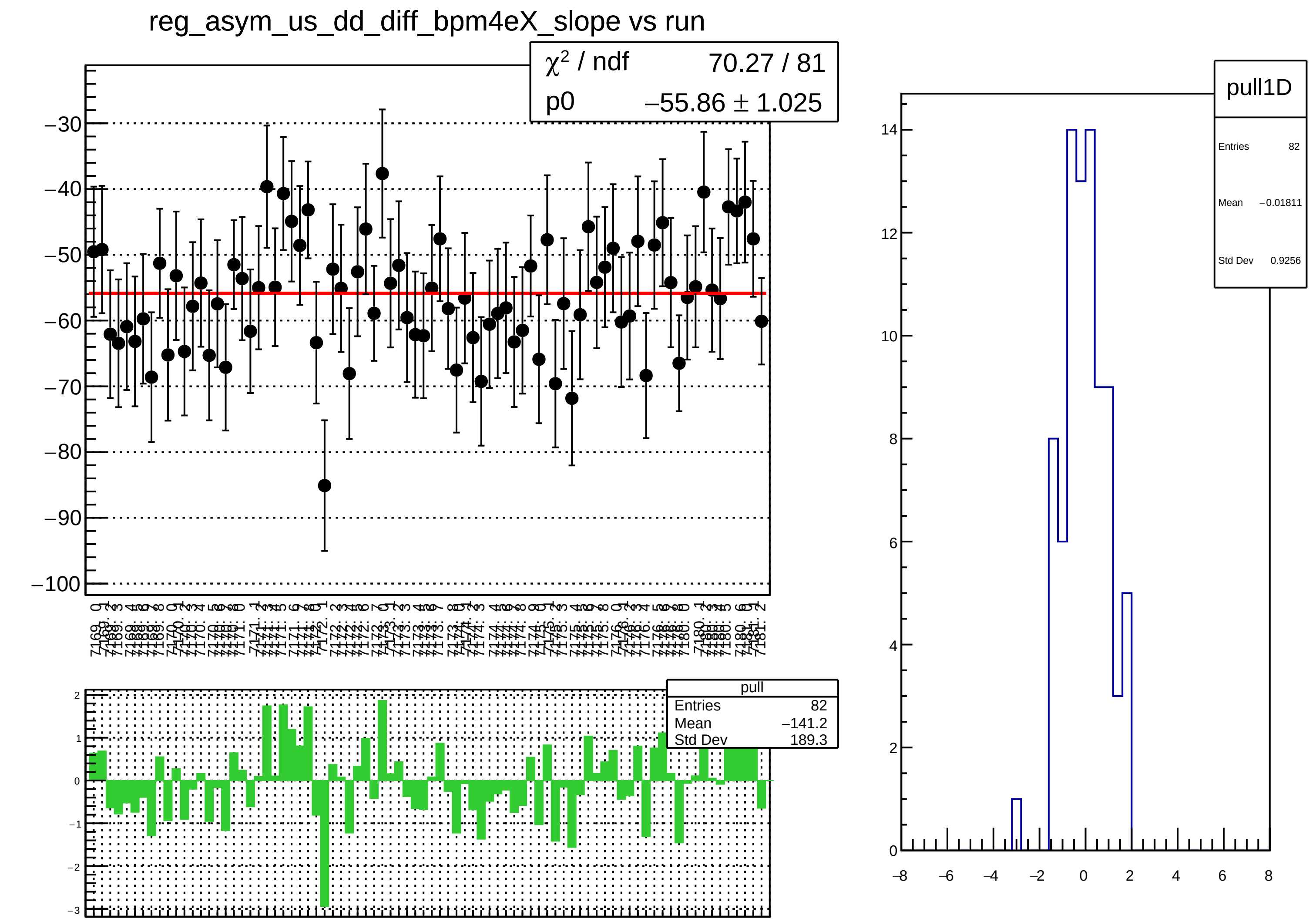


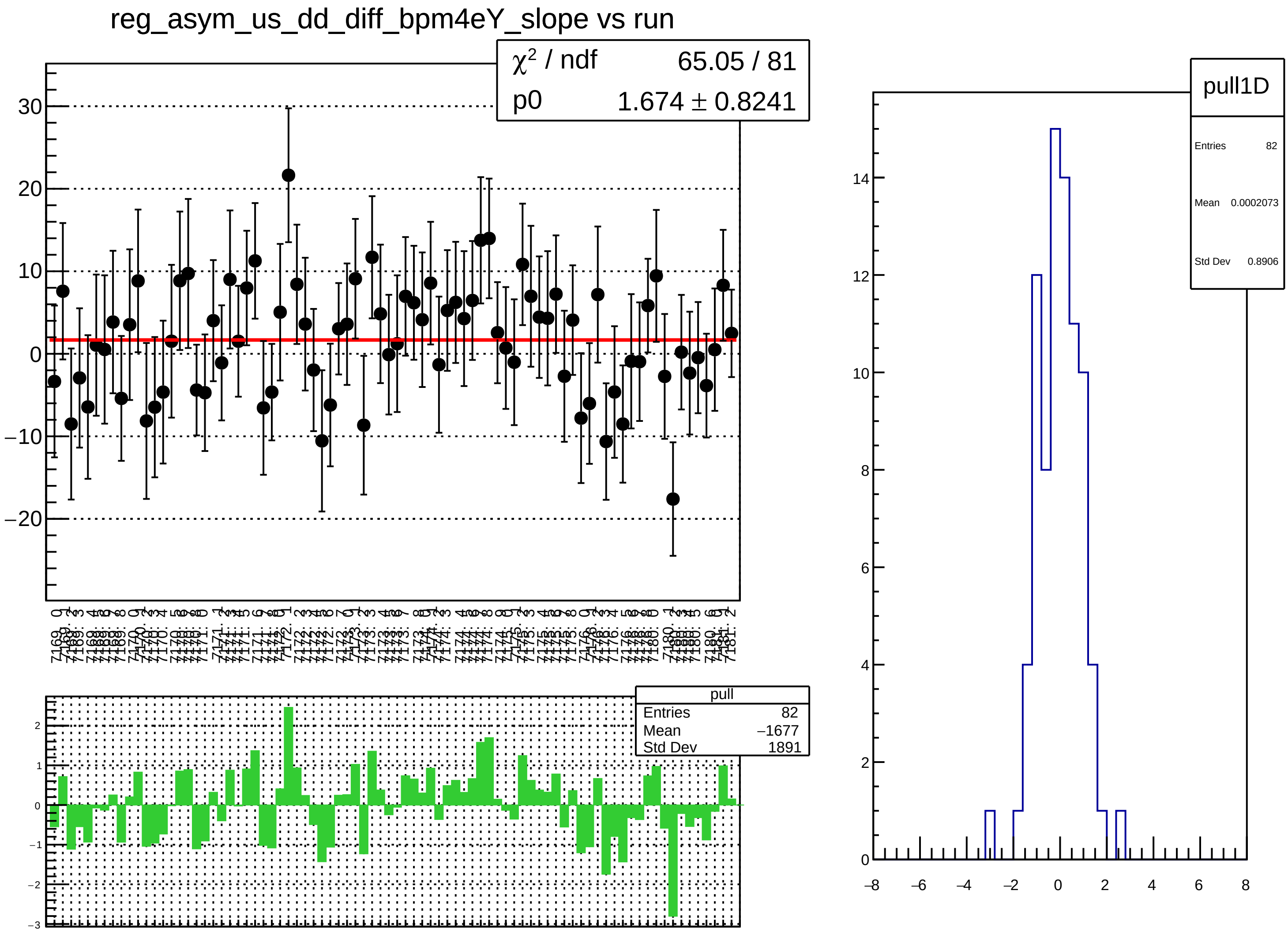
reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 46.56 / 81
p0 −38.13 ± 0.07293
pull
Entries 82
Mean −82.1
Std Dev 120
pull1D
Entries 82
Mean −0.07759
Std Dev 0.7496


reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 68.99 / 81
p0 −2.271 ± 1.026
pull
Entries 82
Mean −166
Std Dev 213.9
pull1D
Entries 82
Mean 0.01583
Std Dev 0.9171

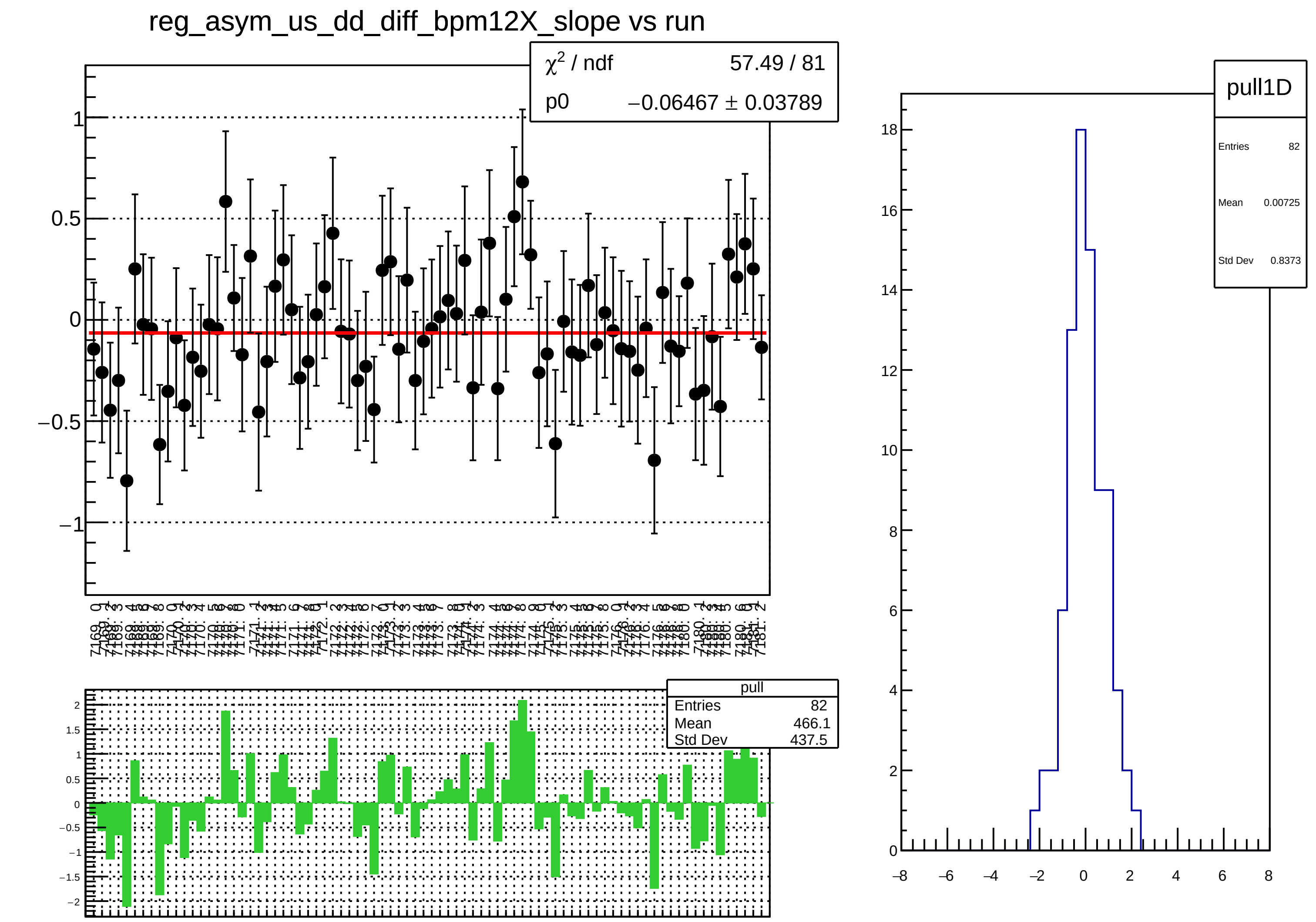


reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 64.2 / 81
p0 0.0652 ± 0.7343
pull
Entries 82
Mean 10.15
Std Dev 247
pull1D
Entries 82
Mean 0.001856
Std Dev 0.8848

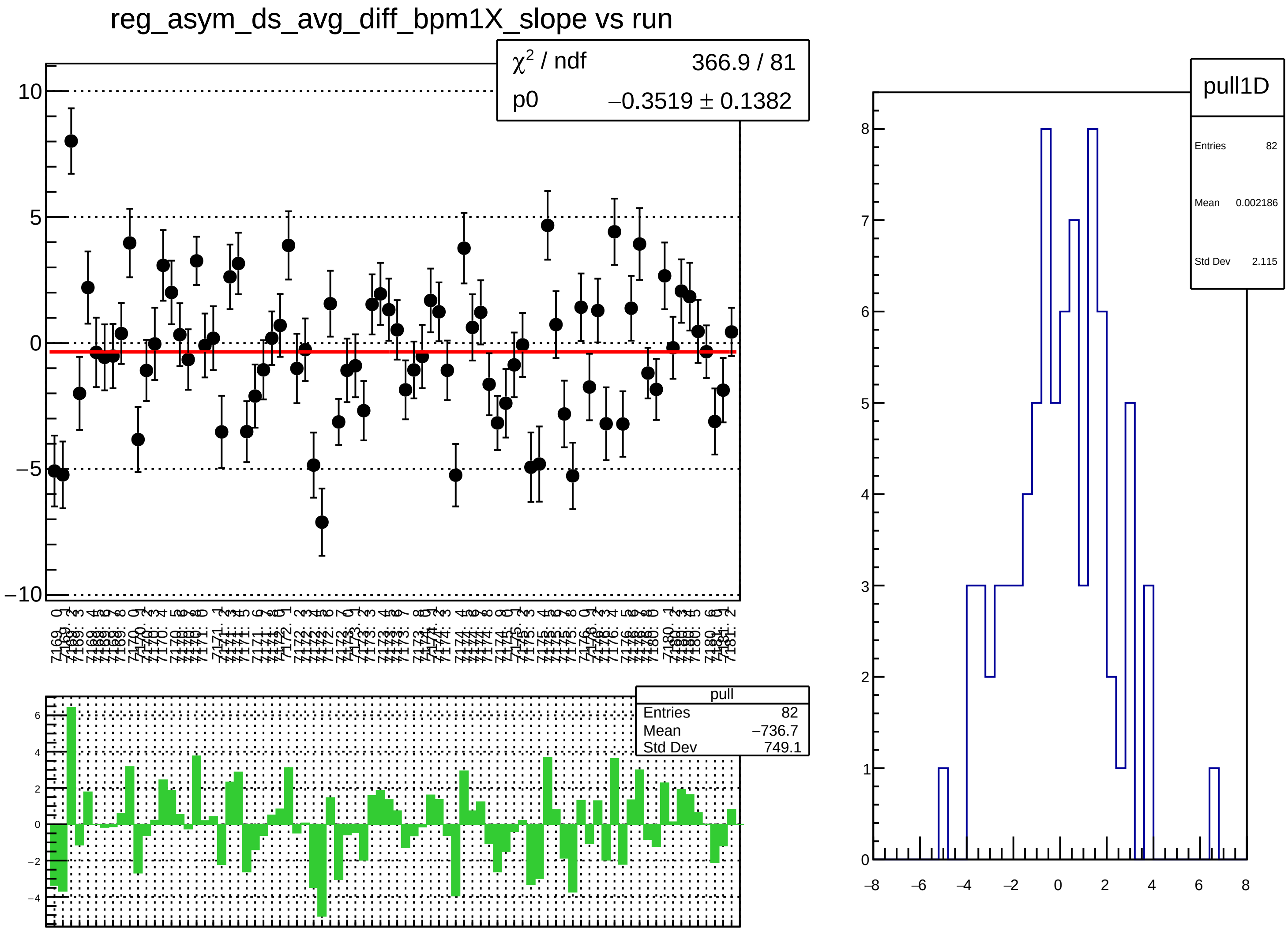

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ2 / ndf 70.27 / 81
p0 −55.86 ± 1.025
−30
−40
−50
−60
−70
−80
−90
−100
pull
Entries 82
Mean −141.2
Std Dev 189.3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01811
Std Dev 0.9256
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



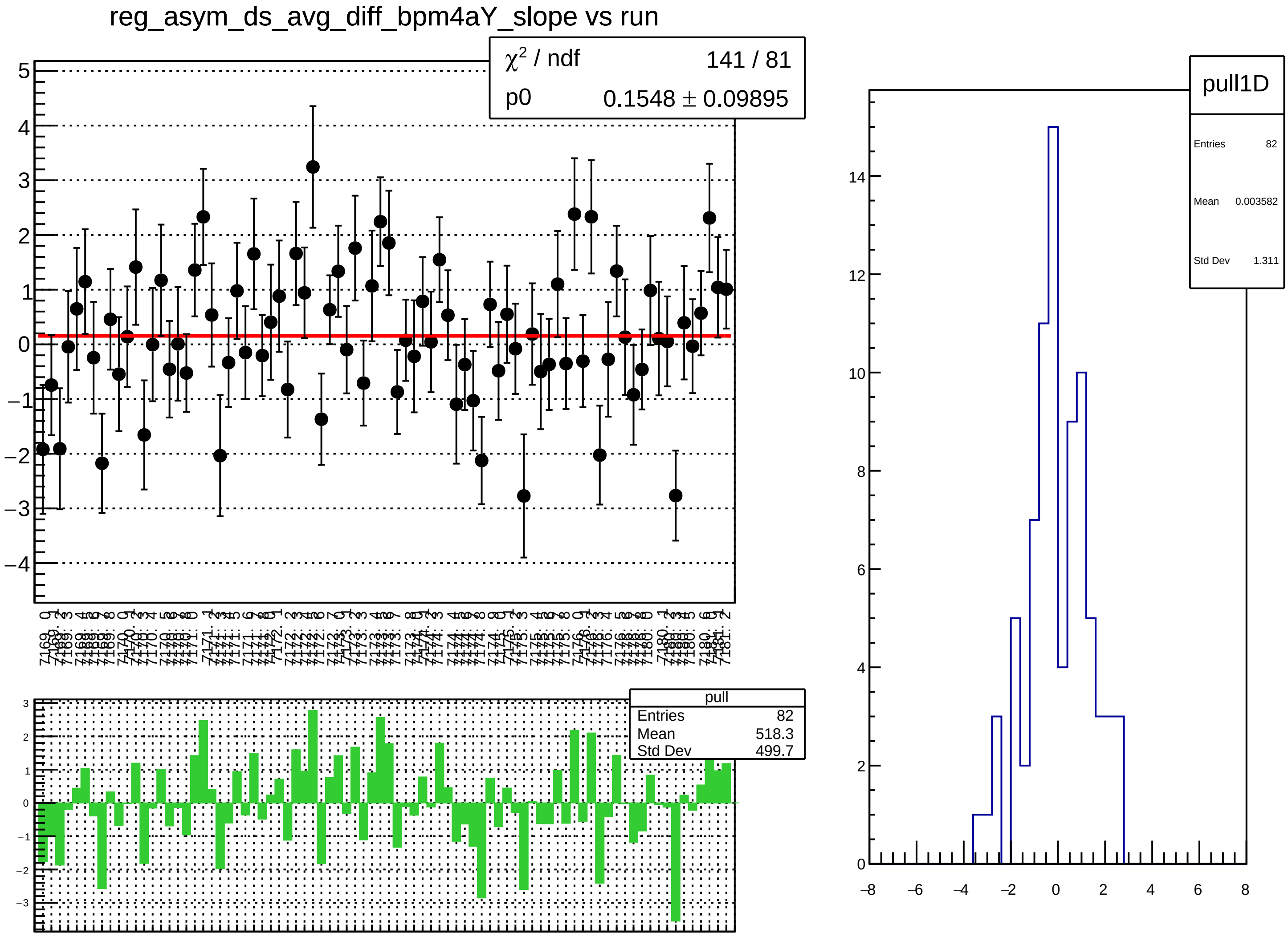
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 65.05 / 81
p0 1.674 ± 0.8241
pull
Entries 82
Mean −1677
Std Dev 1891
pull1D
Entries 82
Mean 0.0002073
Std Dev 0.8906



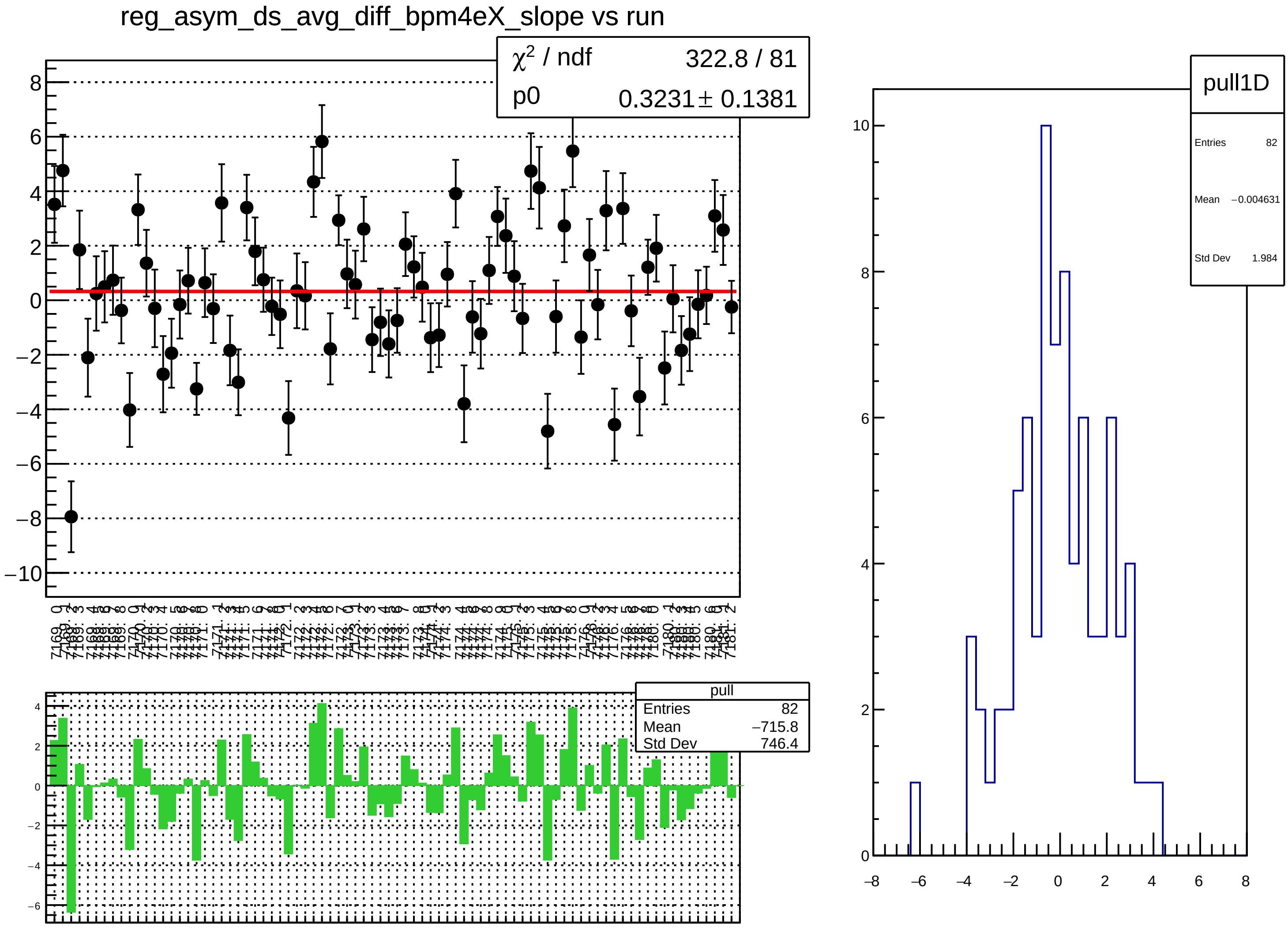
reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 57.49 / 81
p0 −0.06467 ± 0.03789
pull
Entries 82
Mean 466.1
Std Dev 437.5
pull1D
Entries 82
Mean 0.00725
Std Dev 0.8373



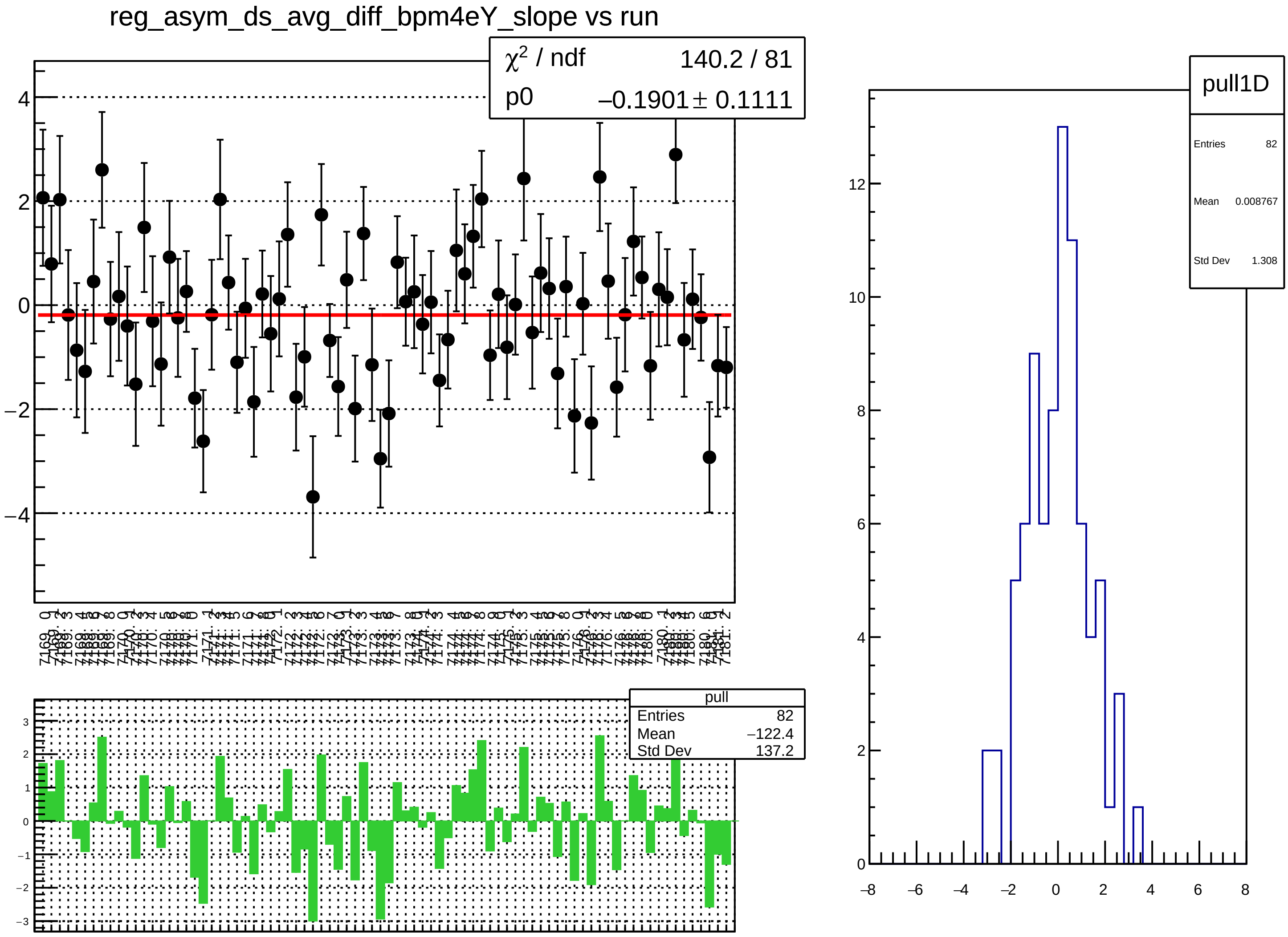
reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 366.9 / 81
p0 −0.3519 ± 0.1382
pull
Entries 82
Mean −736.7
Std Dev 749.1
pull1D
Entries 82
Mean 0.002186
Std Dev 2.115



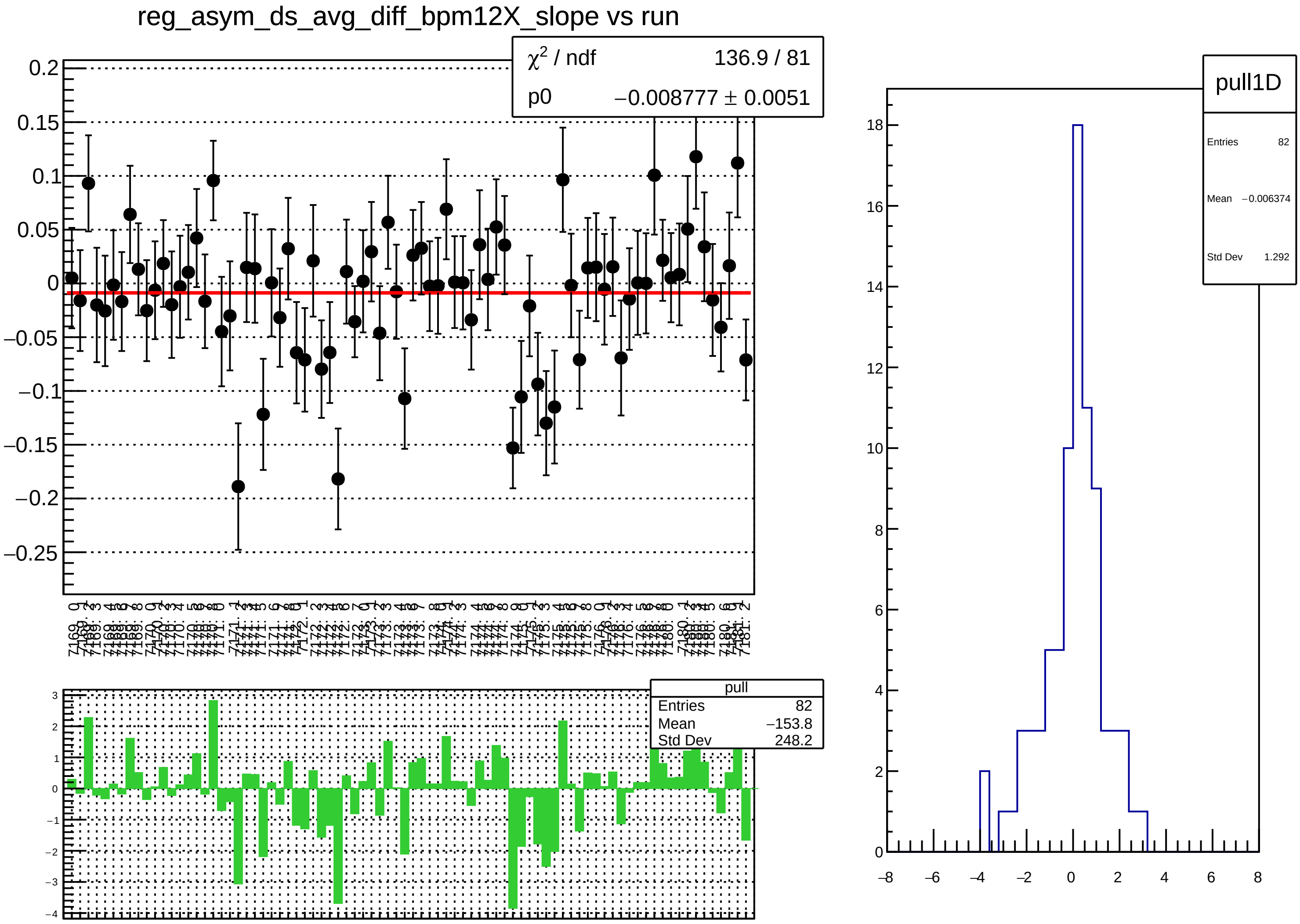
reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 141 / 81
p0 0.1548 ± 0.09895
pull
Entries 82
Mean 518.3
Std Dev 499.7
pull1D
Entries 82
Mean 0.003582
Std Dev 1.311

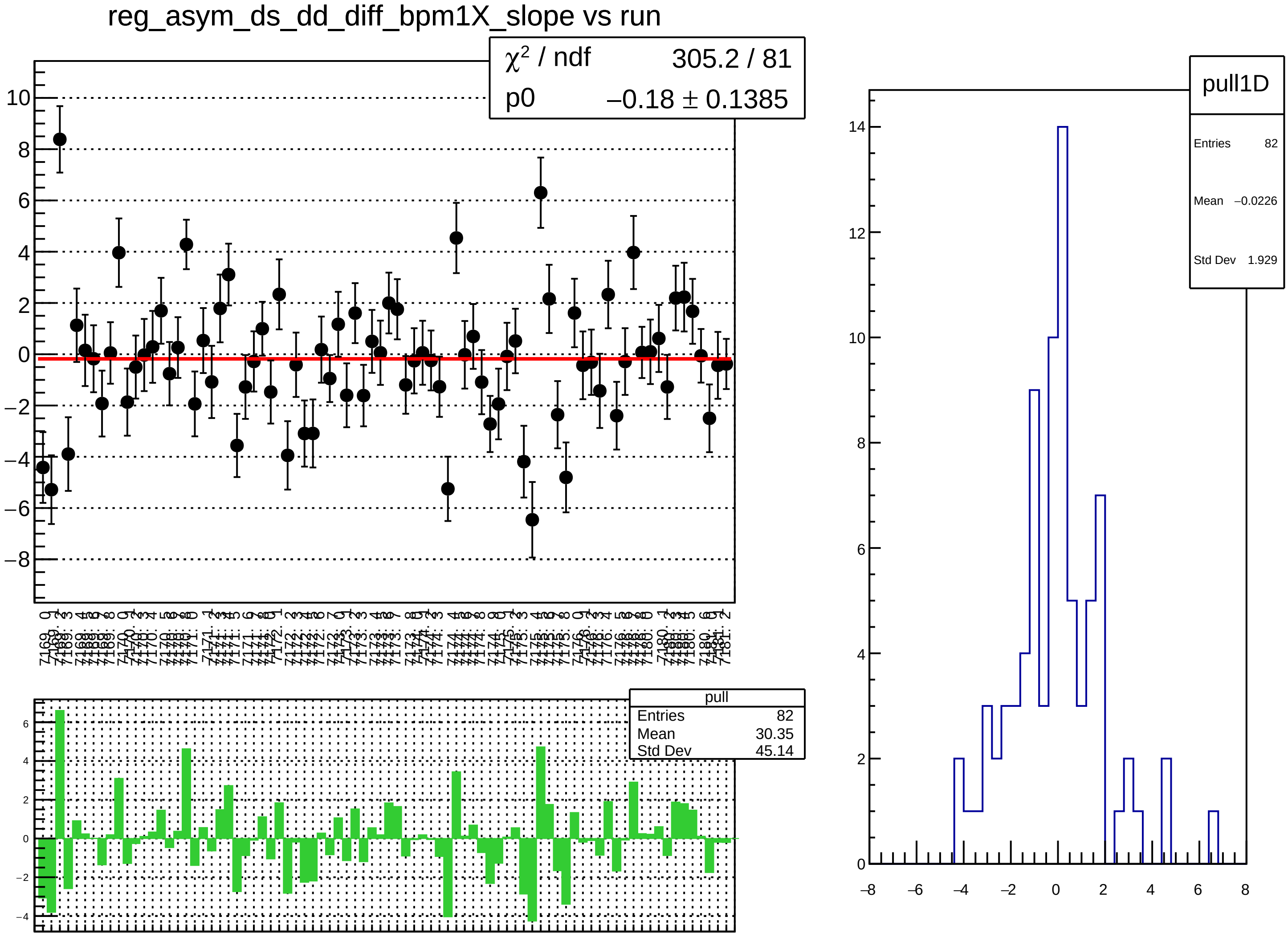


reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 322.8 / 81
p0 0.3231 ± 0.1381
pull
Entries 82
Mean −715.8
Std Dev 746.4
pull1D
Entries 82
Mean −0.004631
Std Dev 1.984

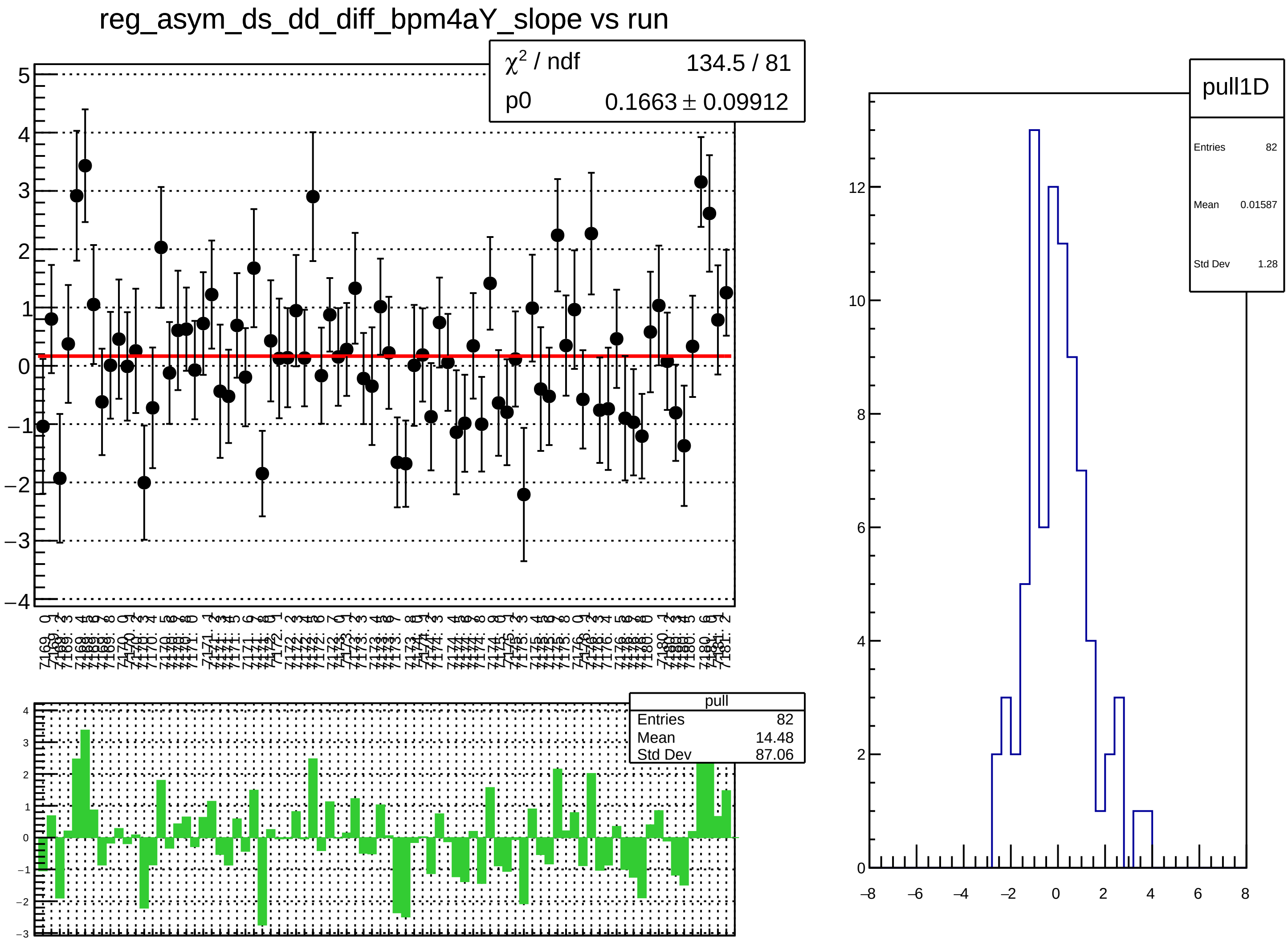


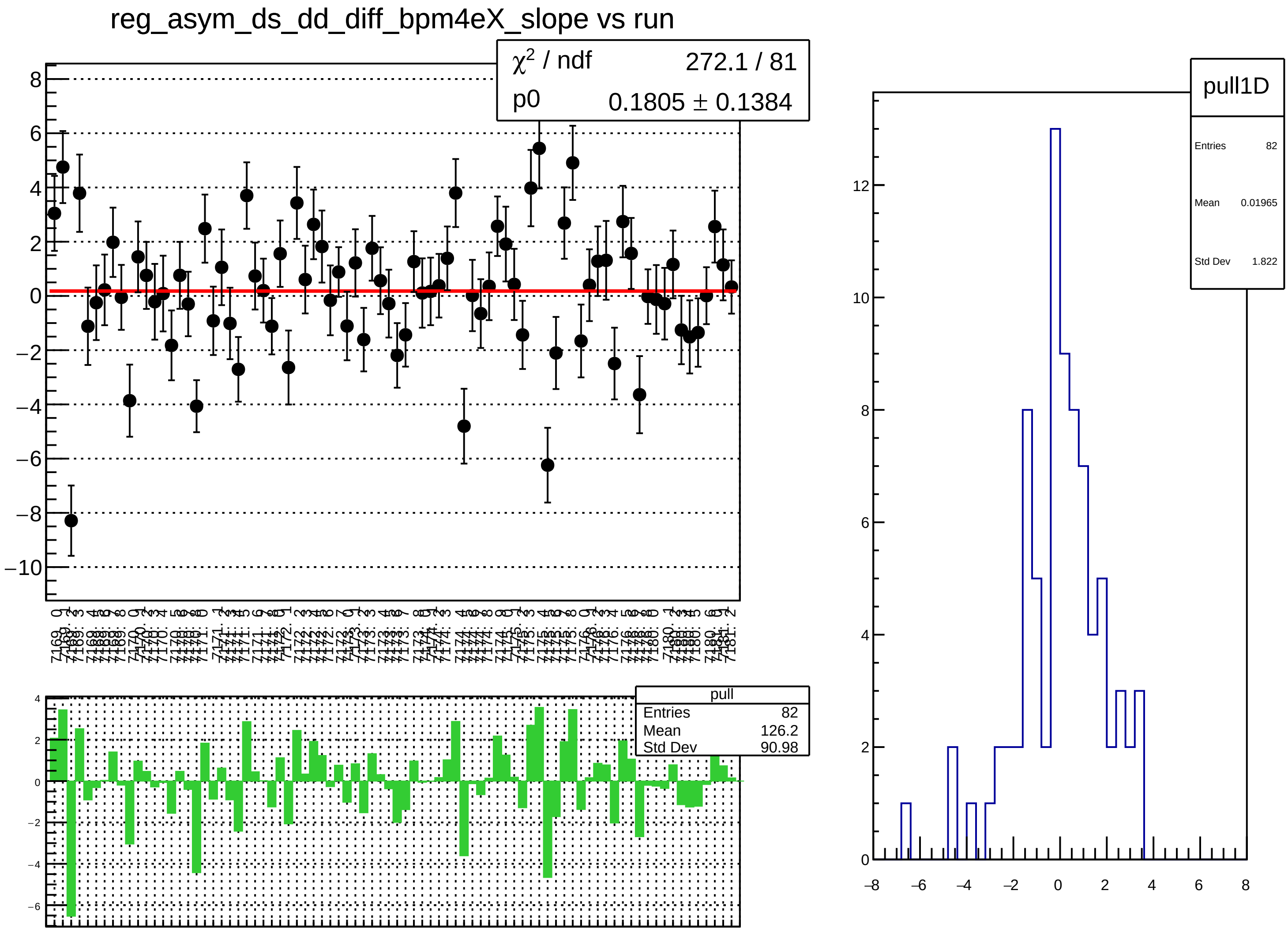
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ2 / ndf 140.2 / 81
p0 −0.1901 ± 0.1111
pull
Entries 82
Mean −122.4
Std Dev 137.2
pull1D
Entries 82
Mean 0.008767
Std Dev 1.308


reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 136.9 / 81
p0 −0.008777 ± 0.0051
pull
Entries 82
Mean −153.8
Std Dev 248.2
pull1D
Entries 82
Mean −0.006374
Std Dev 1.292

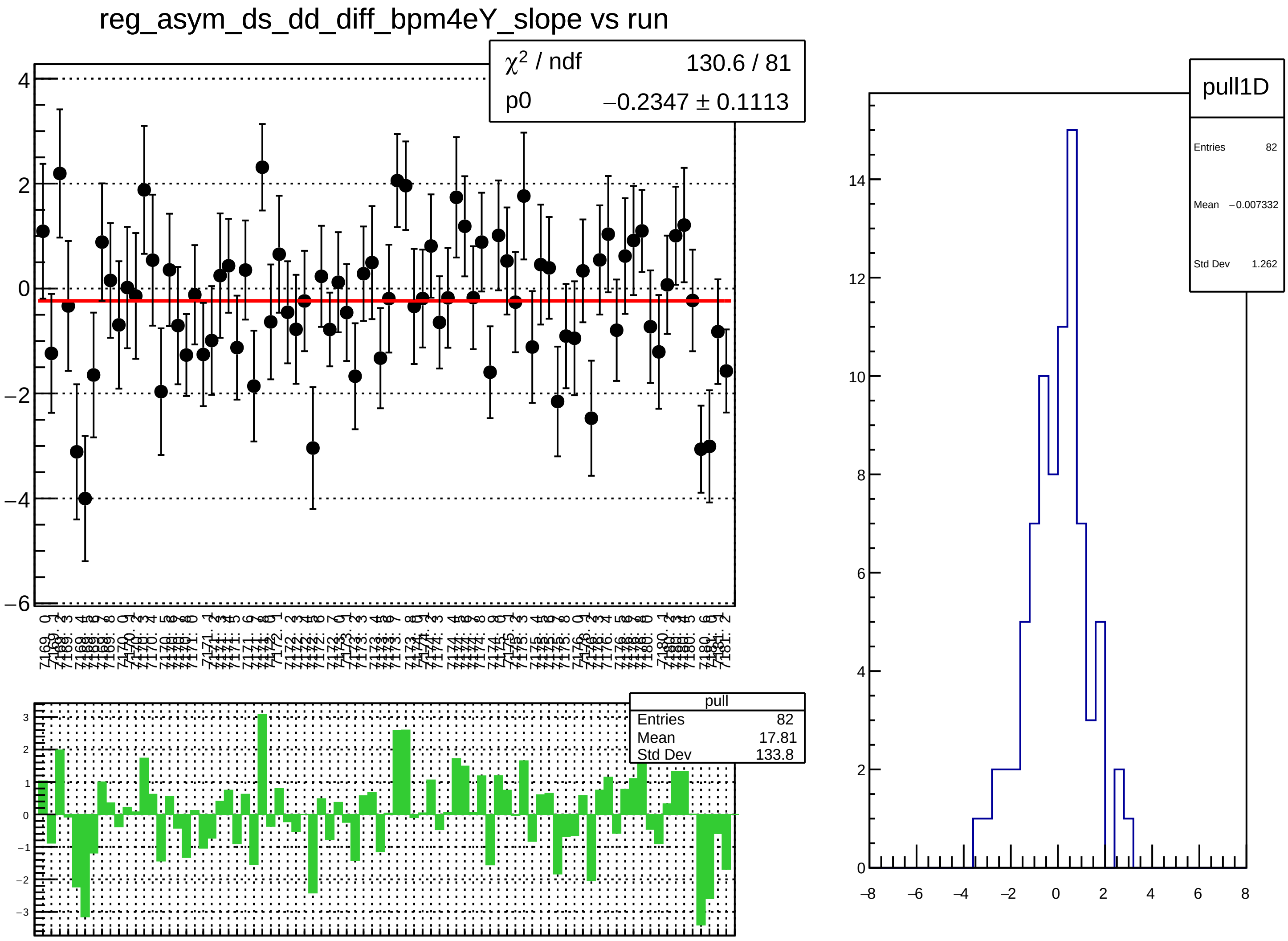


reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 305.2 / 81
p0 −0.18 ± 0.1385
pull
Entries 82
Mean 30.35
Std Dev 45.14
pull1D
Entries 82
Mean −0.0226
Std Dev 1.929

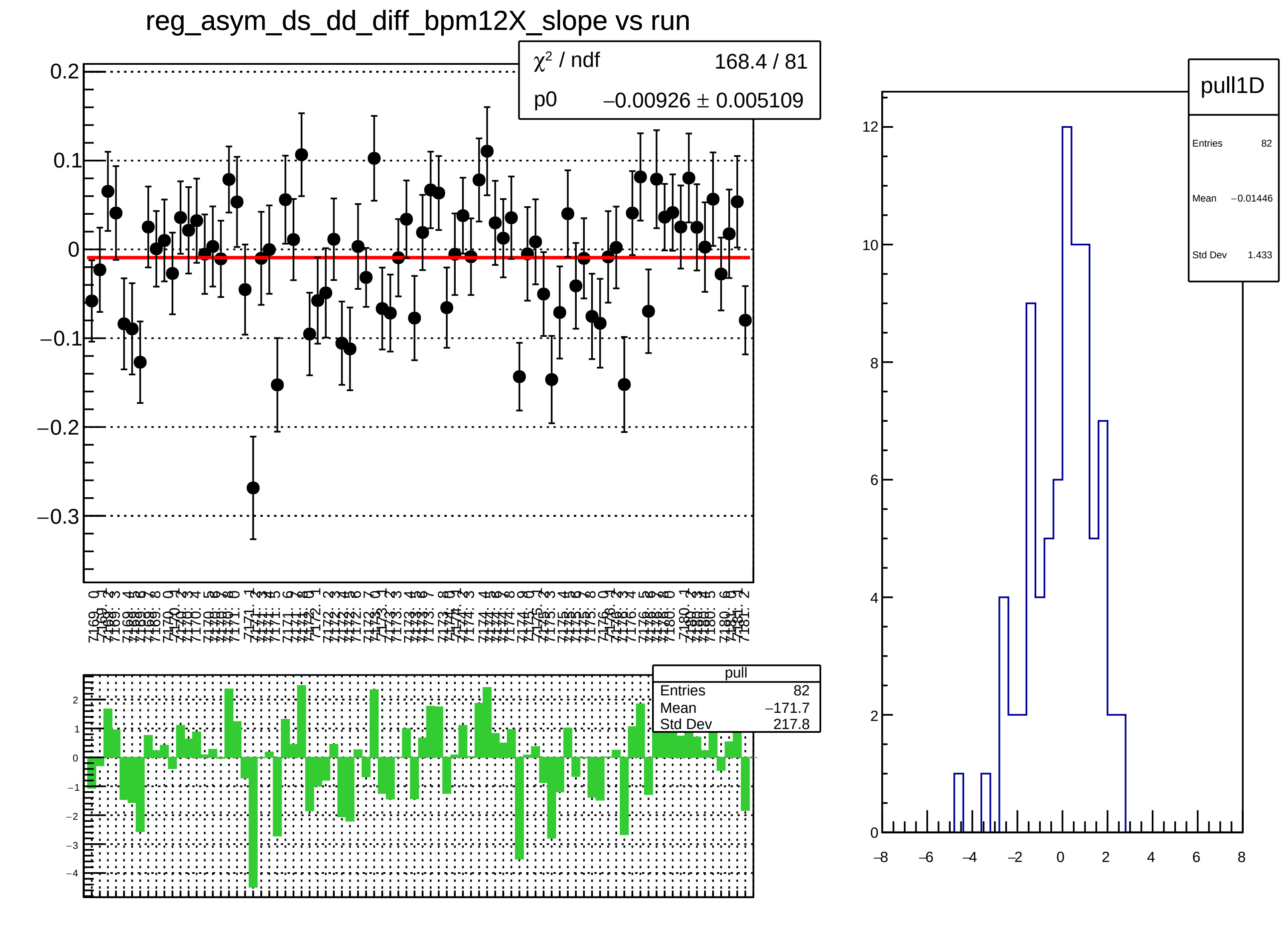

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 134.5 / 81
p0 0.1663 ± 0.09912
pull
Entries 82
Mean 14.48
Std Dev 87.06
pull1D
Entries 82
Mean 0.01587
Std Dev 1.28



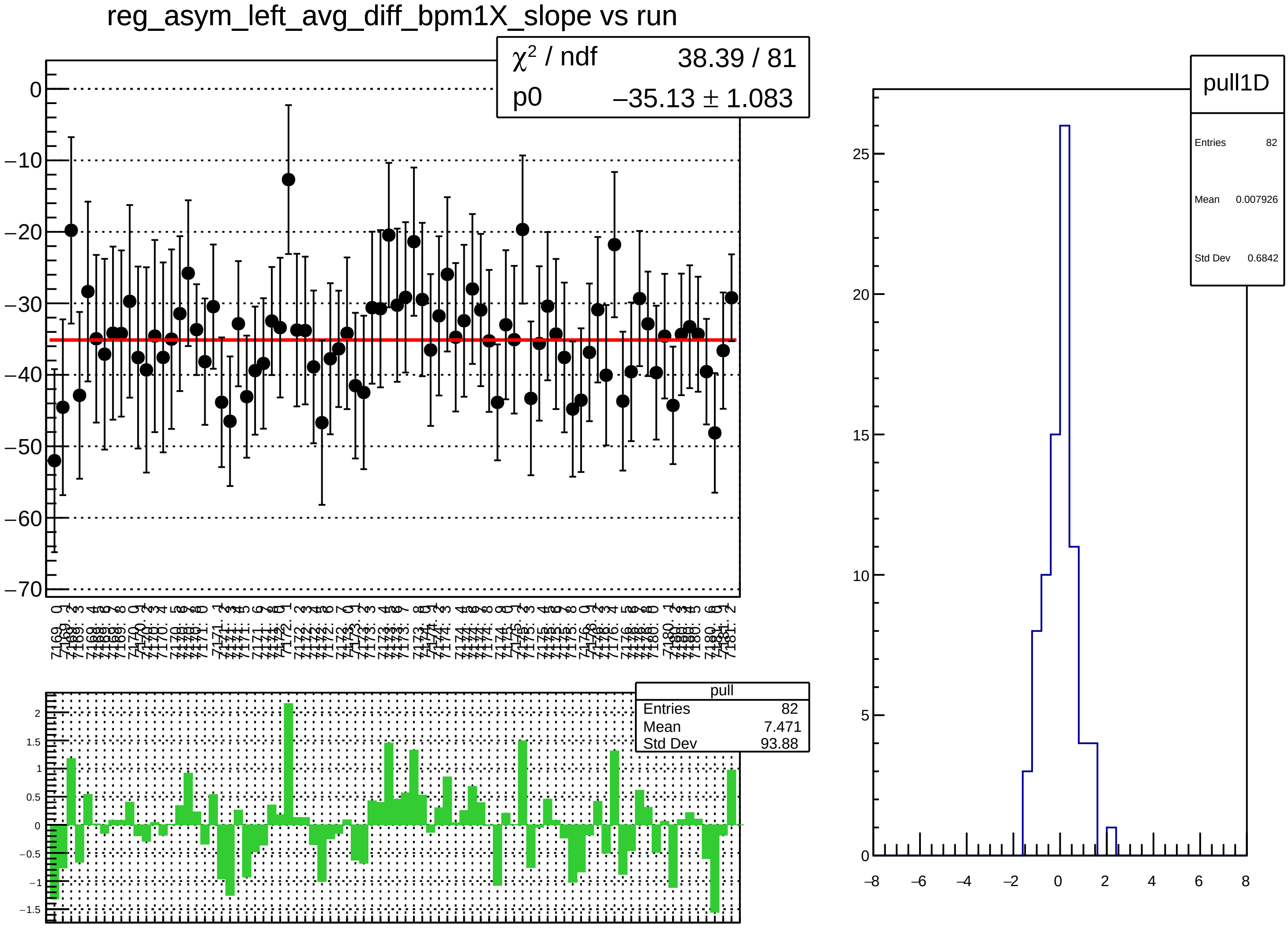
reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ2 / ndf 272.1 / 81
p0 0.1805 ± 0.1384
pull
Entries 82
Mean 126.2
Std Dev 90.98
pull1D
Entries 82
Mean 0.01965
Std Dev 1.822

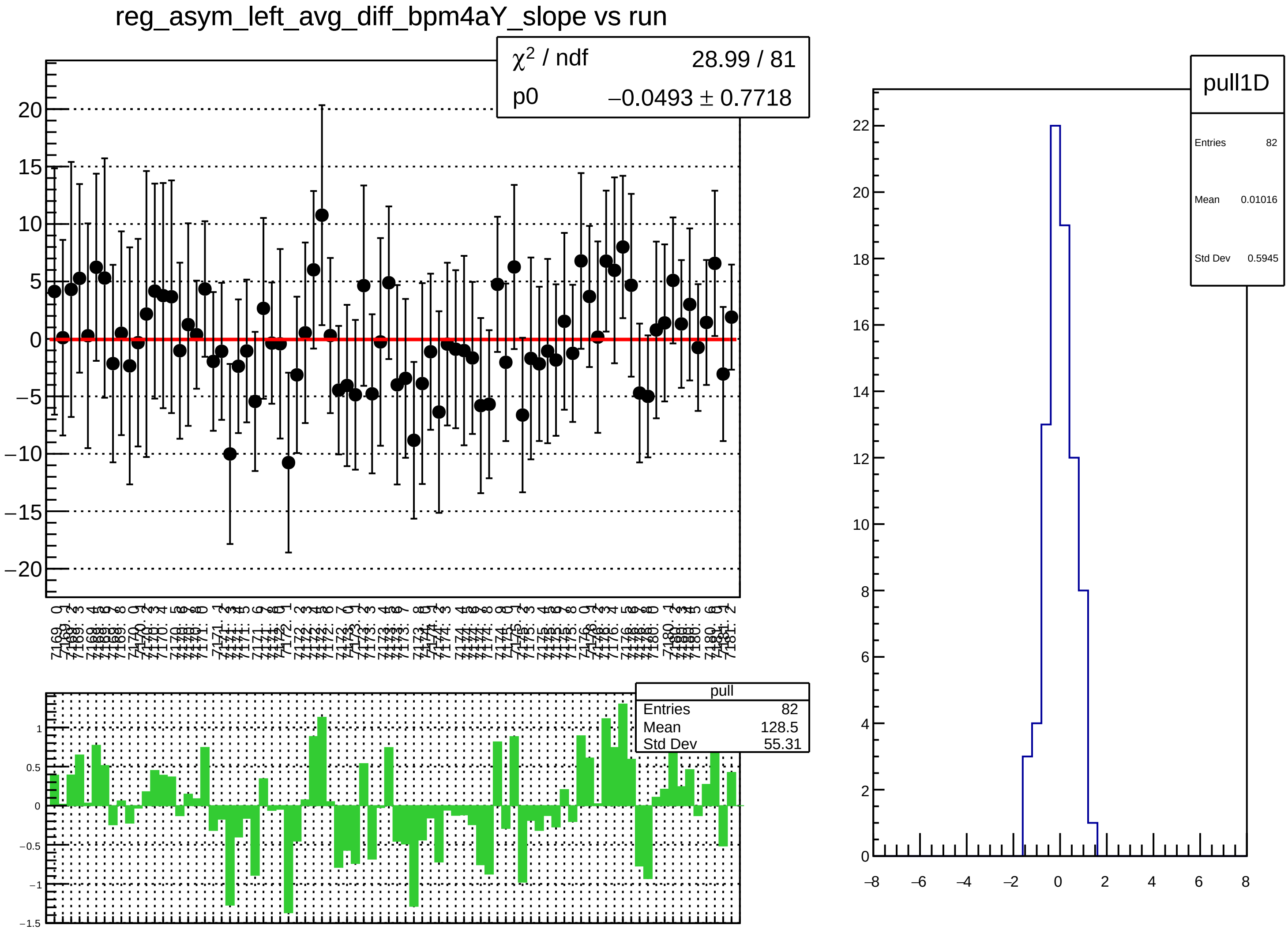


reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 130.6 / 81
p0 −0.2347 ± 0.1113
pull
Entries 82
Mean 17.81
Std Dev 133.8
pull1D
Entries 82
Mean −0.007332
Std Dev 1.262

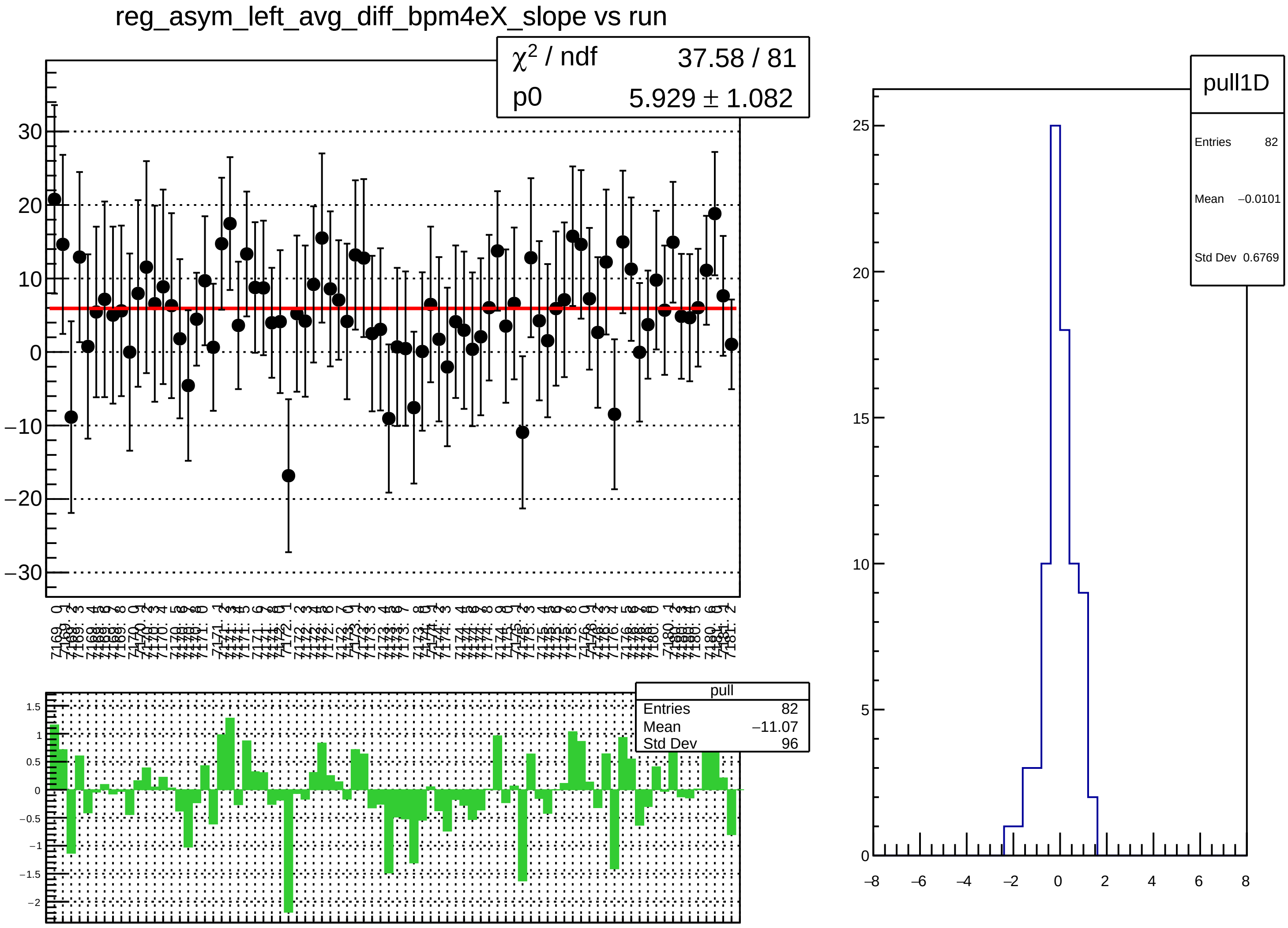


reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 168.4 / 81
p0 −0.00926 ± 0.005109
pull
Entries 82
Mean −171.7
Std Dev 217.8
pull1D
Entries 82
Mean −0.01446
Std Dev 1.433

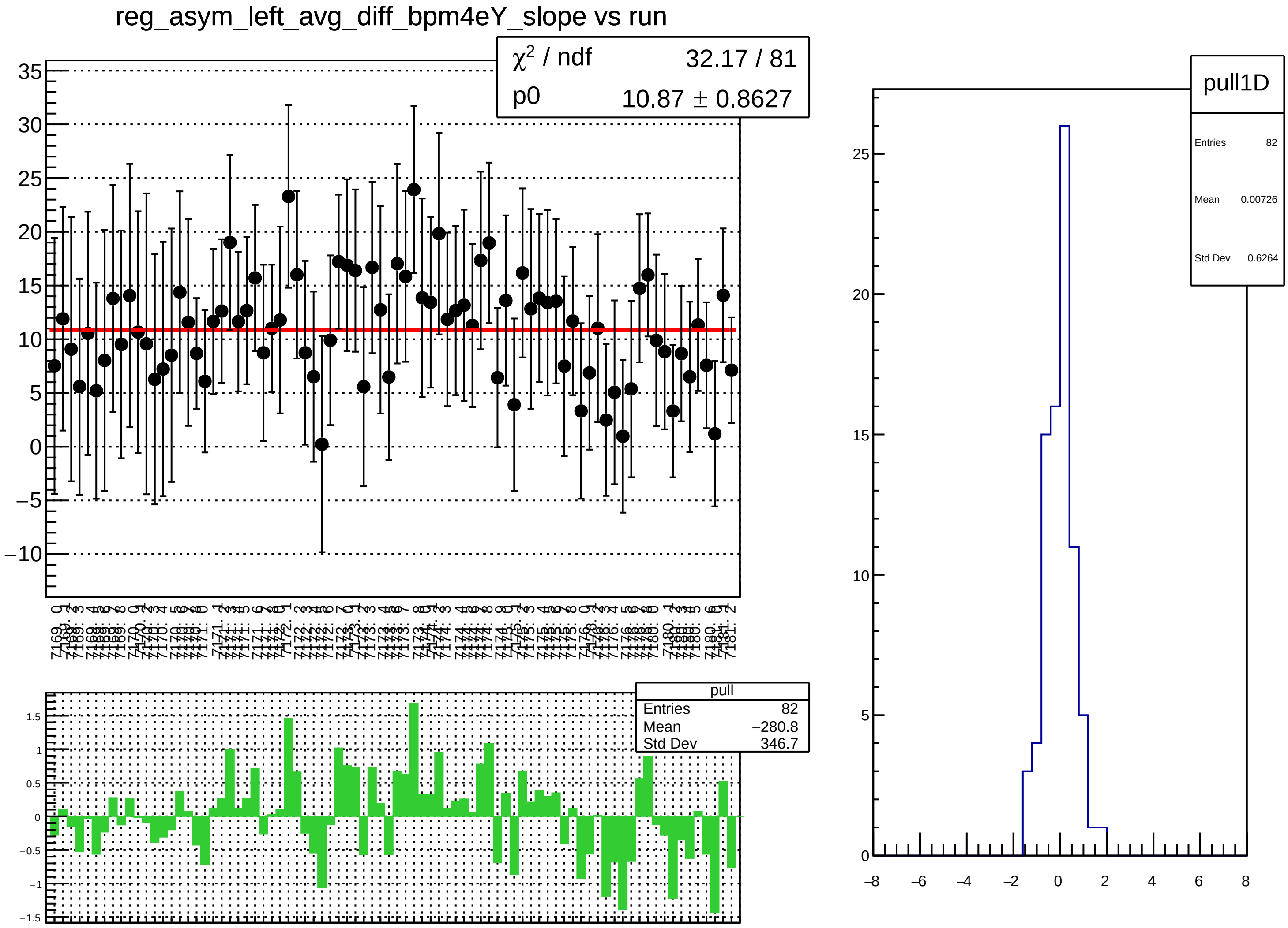

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 38.39 / 81
p0 −35.13 ± 1.083
pull
Entries 82
Mean 7.471
Std Dev 93.88
pull1D
Entries 82
Mean 0.007926
Std Dev 0.6842



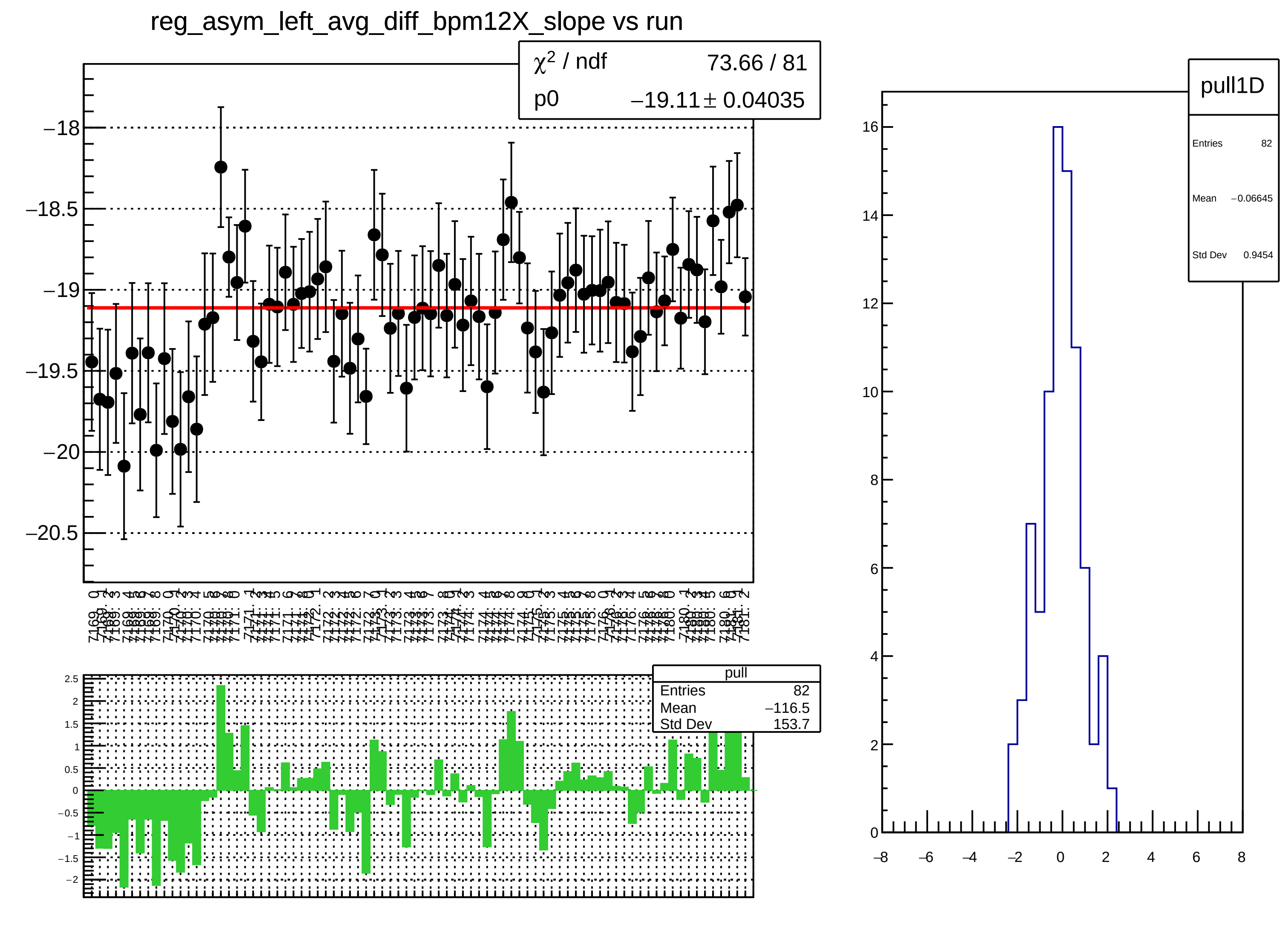
reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 28.99 / 81
p0 −0.0493 ± 0.7718
pull
Entries 82
Mean 128.5
Std Dev 55.31
pull1D
Entries 82
Mean 0.01016
Std Dev 0.5945



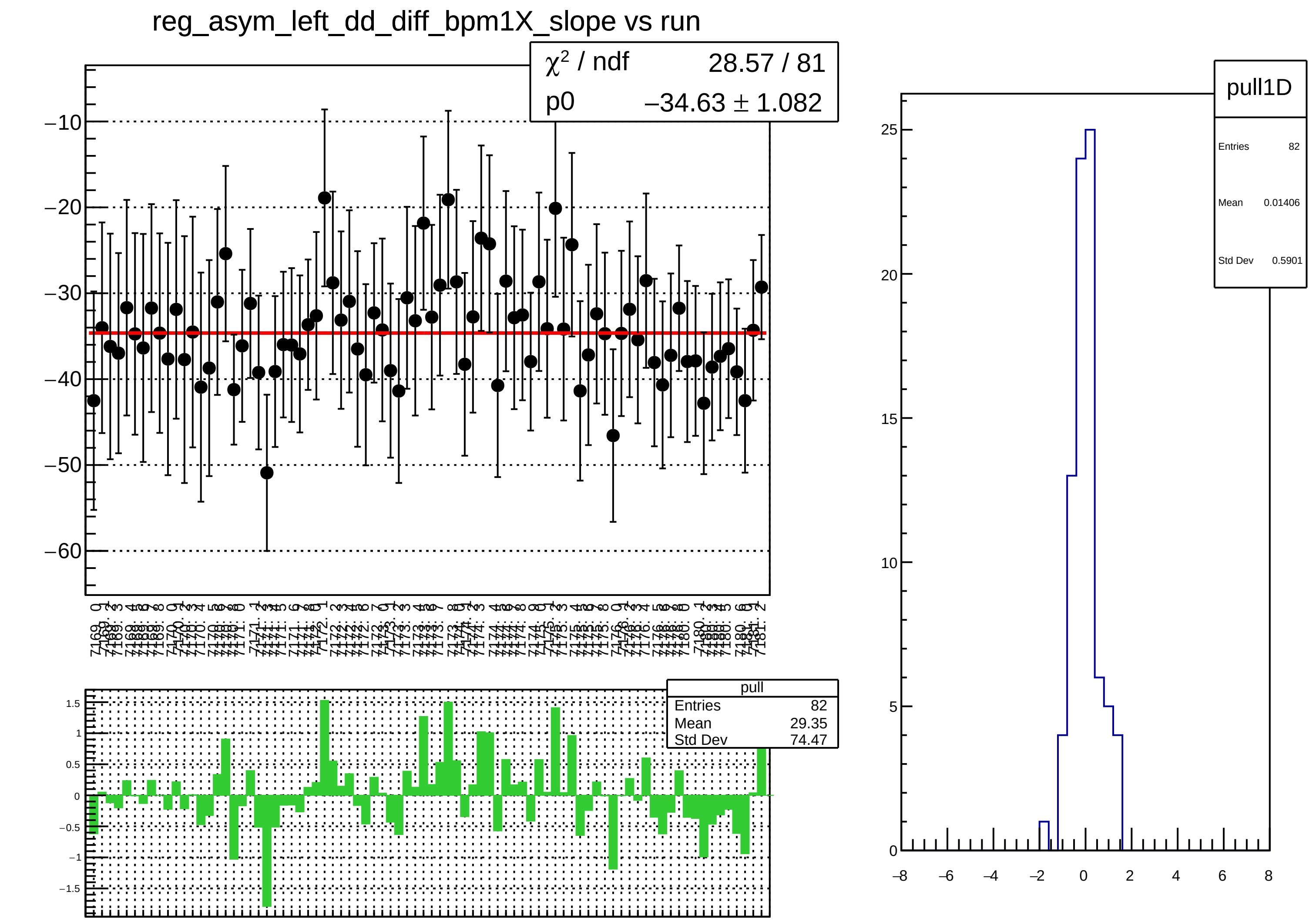
reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 37.58 / 81
p0 5.929 ± 1.082
pull
Entries 82
Mean −11.07
Std Dev 96
pull1D
Entries 82
Mean −0.0101
Std Dev 0.6769

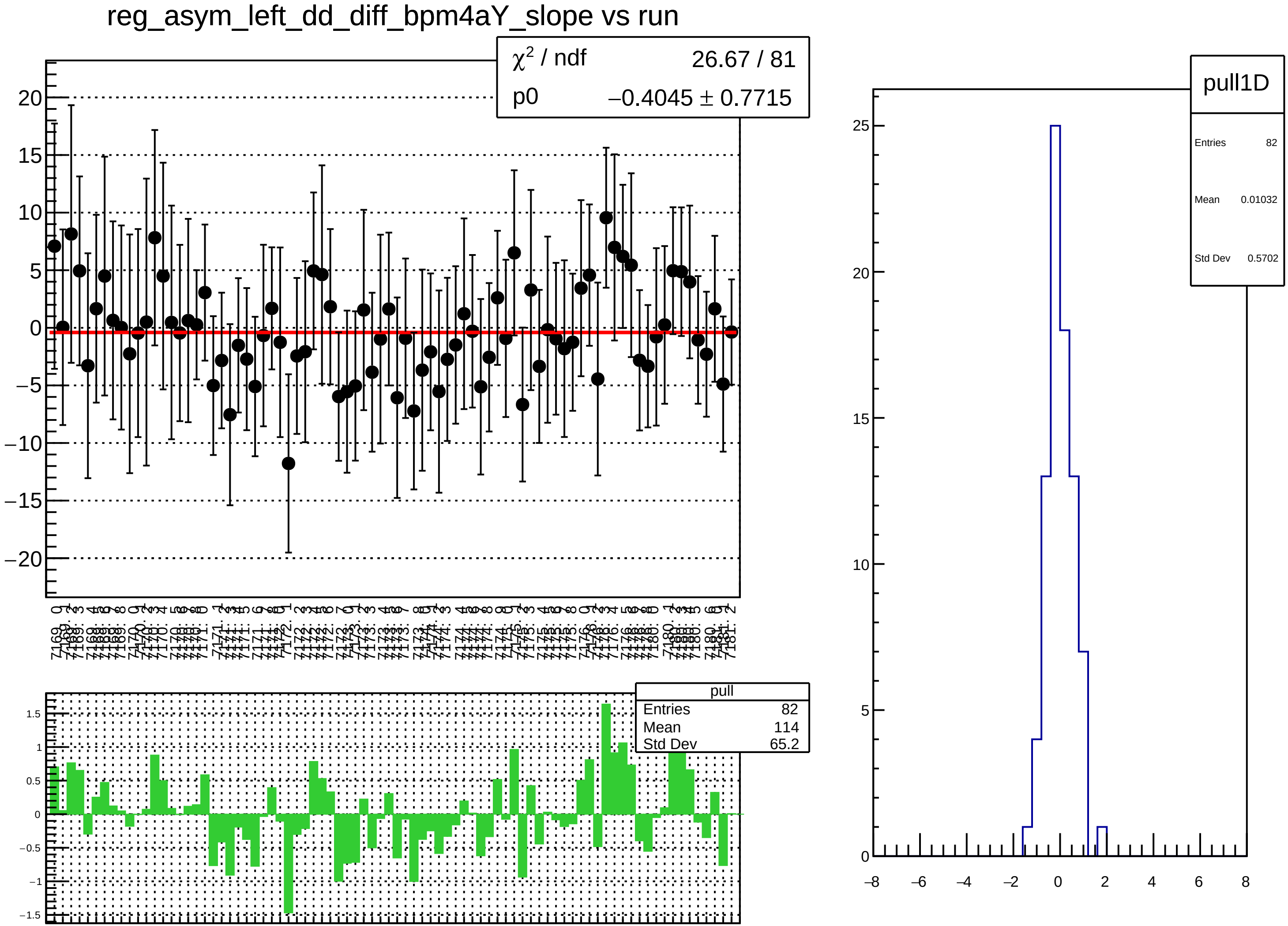


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 32.17 / 81
p0 10.87 ± 0.8627
pull
Entries 82
Mean −280.8
Std Dev 346.7
pull1D
Entries 82
Mean 0.00726
Std Dev 0.6264

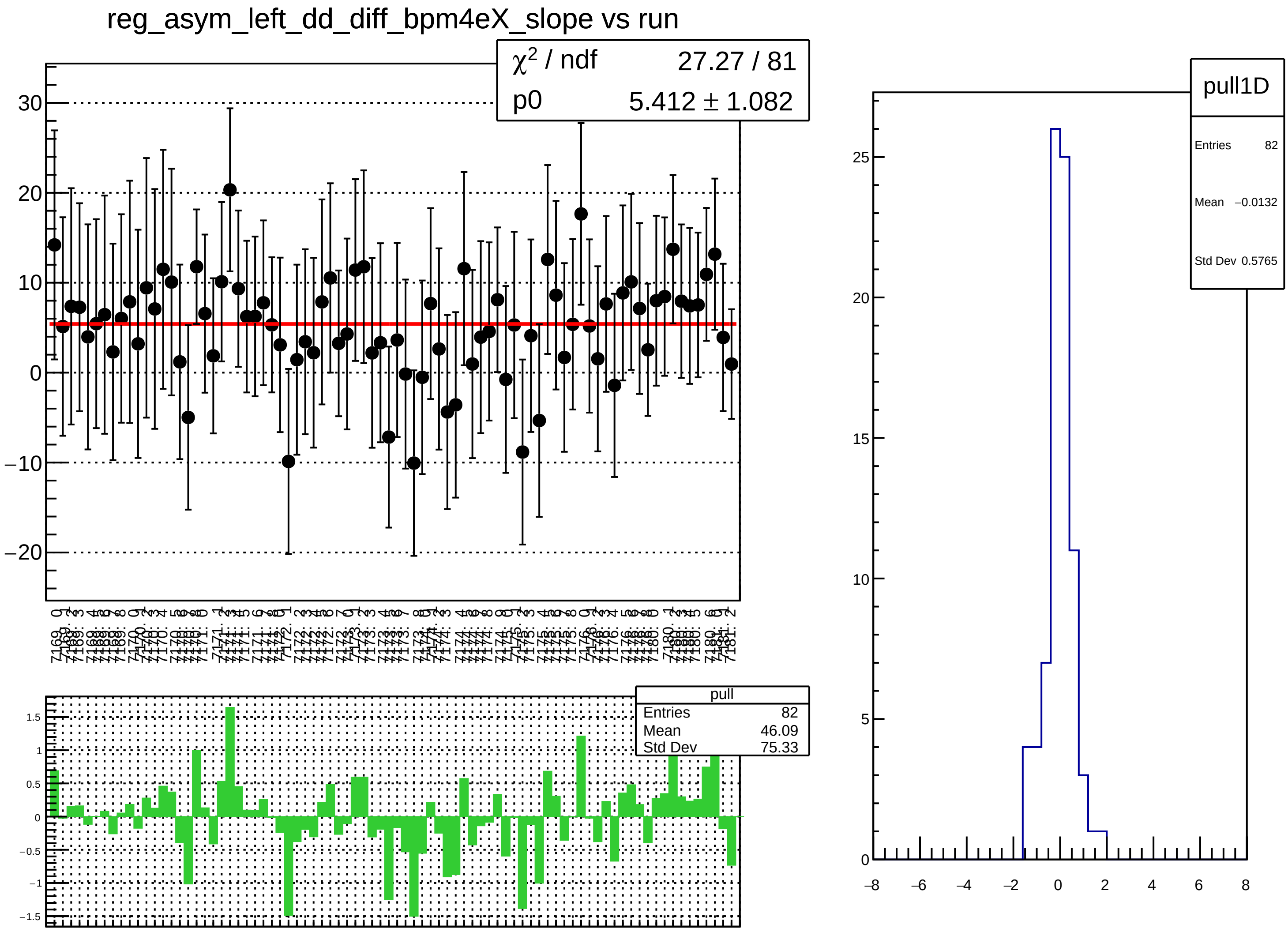


reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 73.66 / 81
p0 −19.11 ± 0.04035
pull
Entries 82
Mean −116.5
Std Dev 153.7
pull1D
Entries 82
Mean −0.06645
Std Dev 0.9454

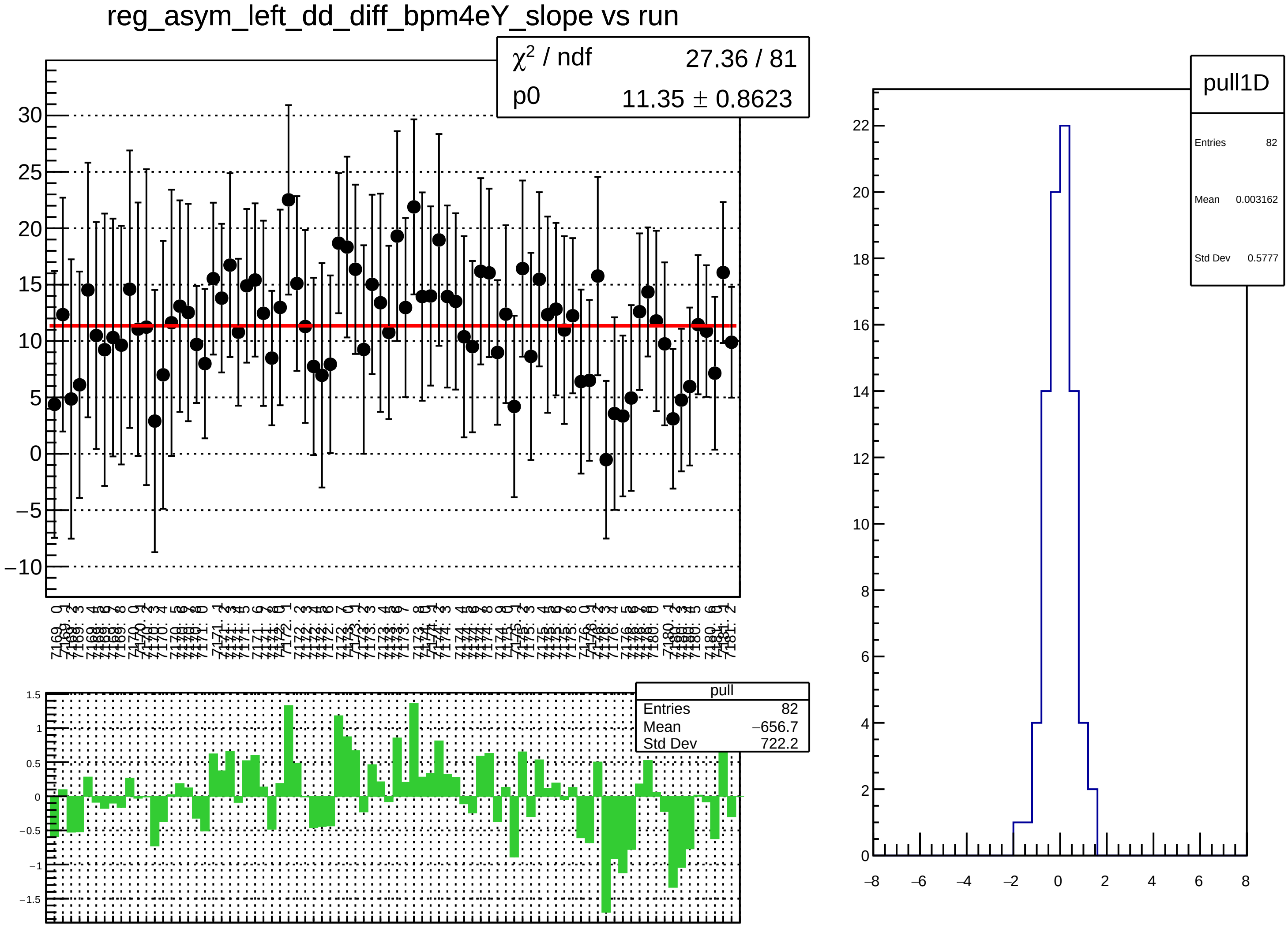

reg_asym_left_dd_diff_bpm1X_slope vs run
χ2 / ndf 28.57 / 81
p0 −34.63 ± 1.082
pull
Entries 82
Mean 29.35
Std Dev 74.47
pull1D
Entries 82
Mean 0.01406
Std Dev 0.5901



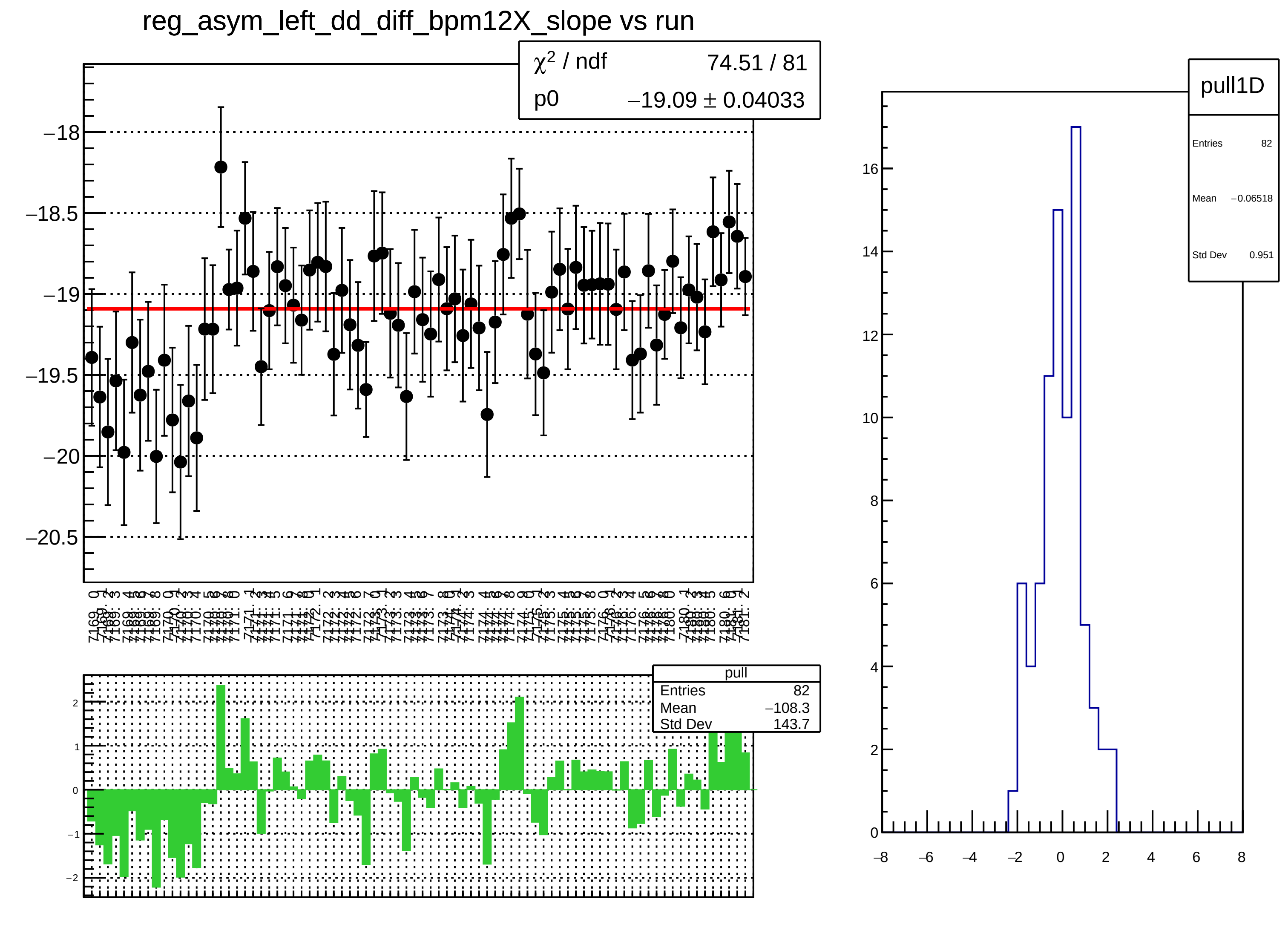
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ2 / ndf 26.67 / 81
p0 −0.4045 ± 0.7715
pull
Entries 82
Mean 114
Std Dev 65.2
pull1D
Entries 82
Mean 0.01032
Std Dev 0.5702



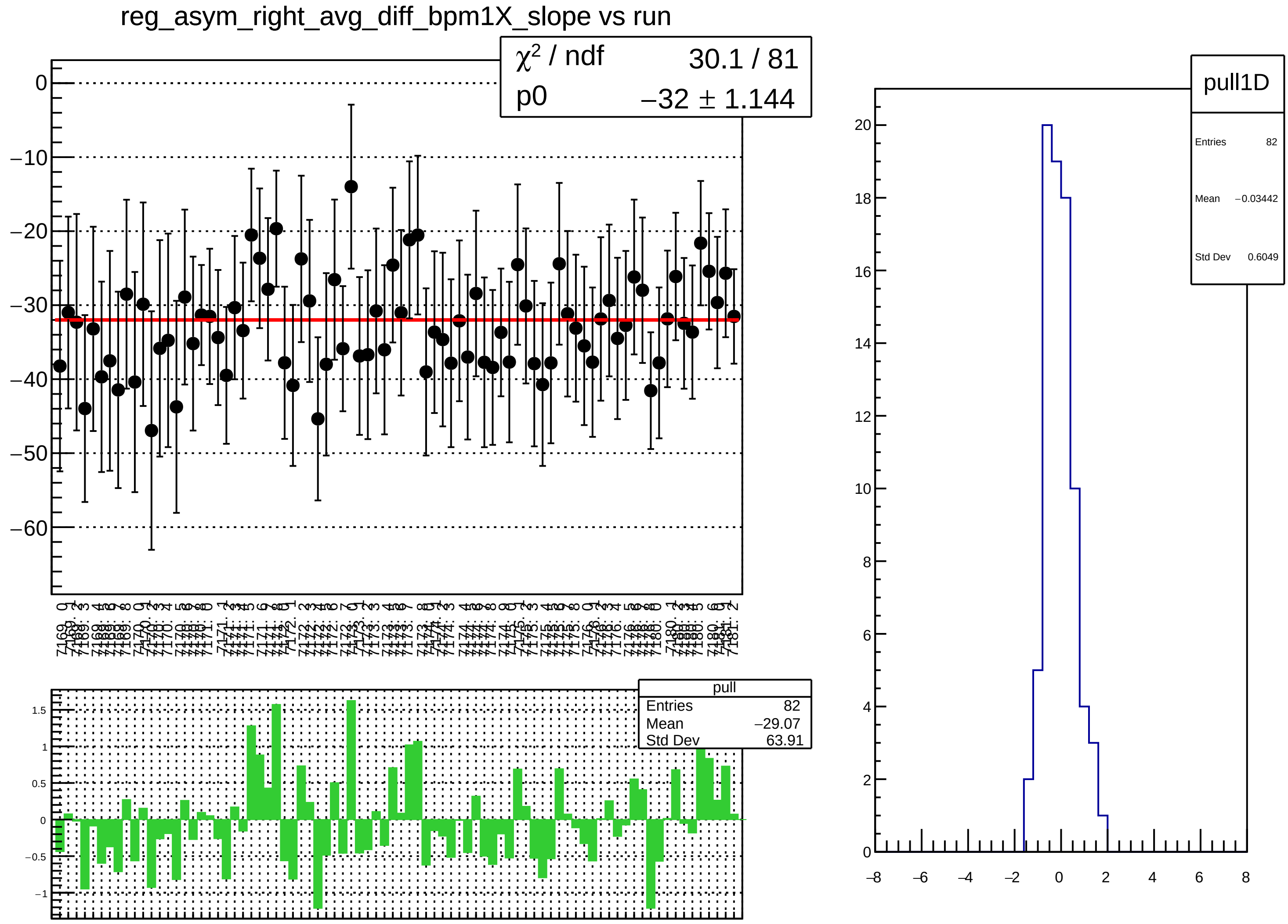
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 27.27 / 81
p0 5.412 ± 1.082
pull
Entries 82
Mean 46.09
Std Dev 75.33
pull1D
Entries 82
Mean −0.0132
Std Dev 0.5765

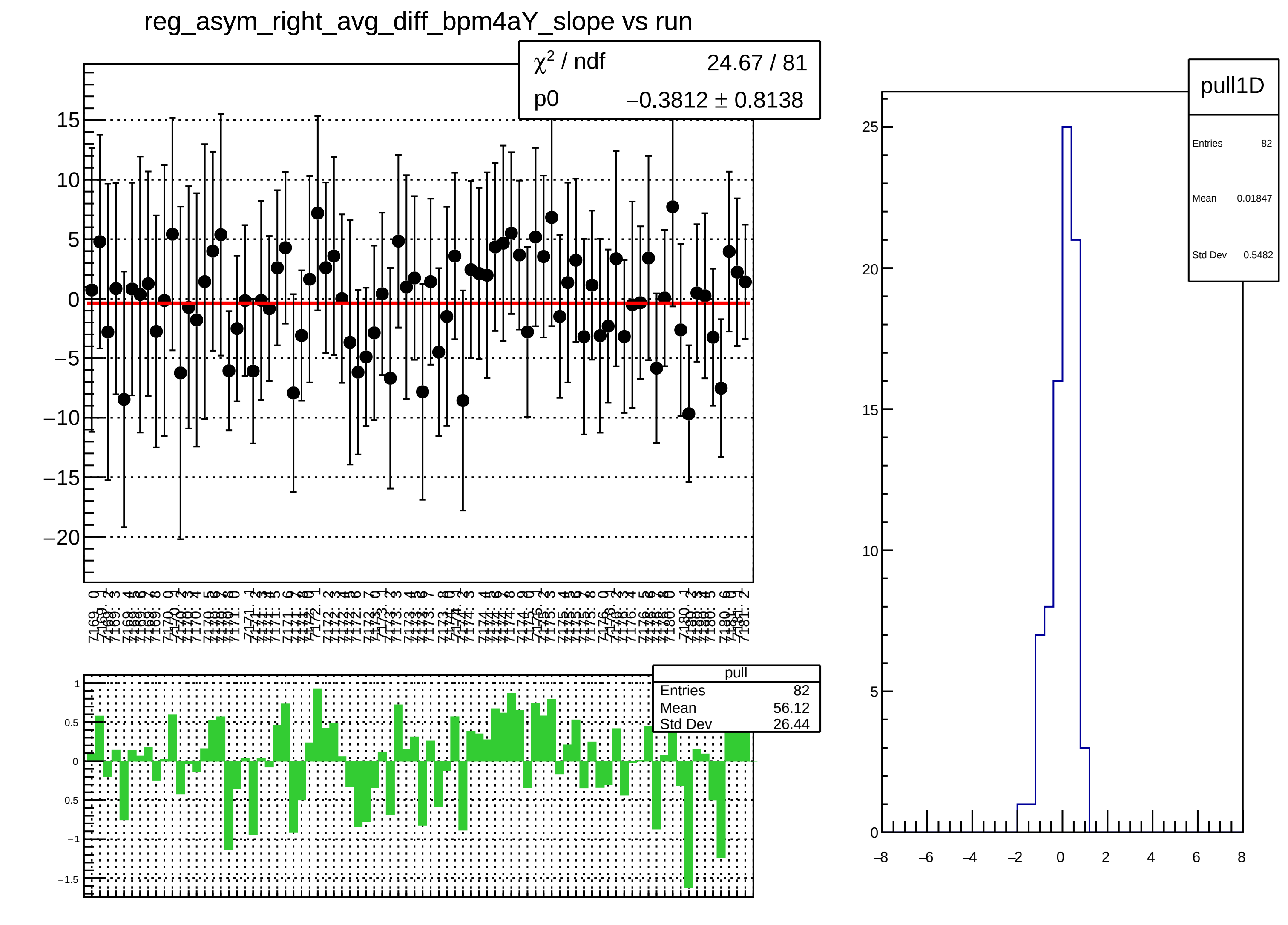


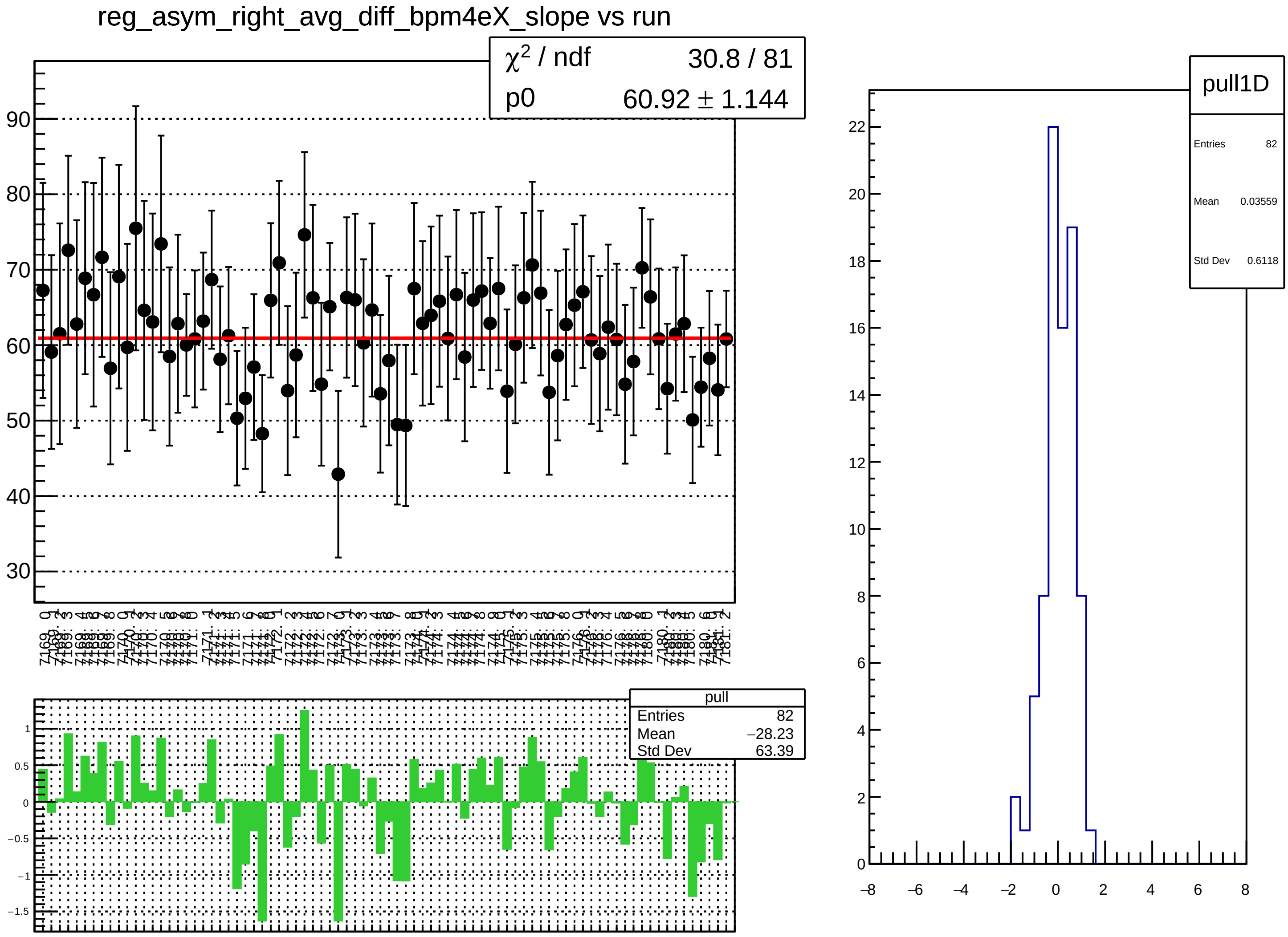
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 27.36 / 81
p0 11.35 ± 0.8623
pull
Entries 82
Mean −656.7
Std Dev 722.2
pull1D
Entries 82
Mean 0.003162
Std Dev 0.5777



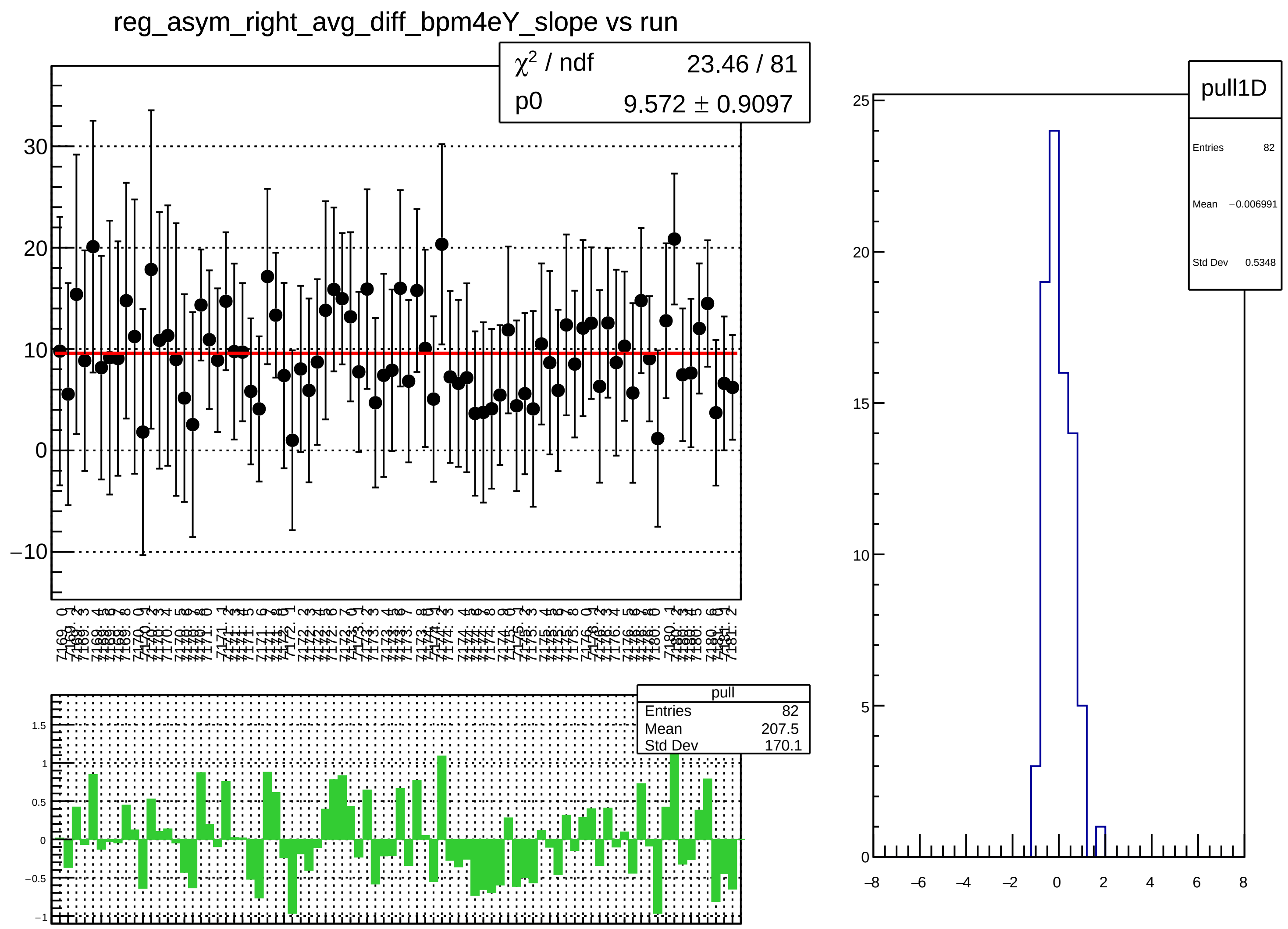
reg_asym_left_dd_diff_bpm12X_slope vs run
χ2 / ndf 74.51 / 81
p0 −19.09 ± 0.04033
pull
Entries 82
Mean −108.3
Std Dev 143.7
pull1D
Entries 82
Mean −0.06518
Std Dev 0.951


reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 30.1 / 81
p0 −32 ± 1.144
pull
Entries 82
Mean −29.07
Std Dev 63.91
pull1D
Entries 82
Mean −0.03442
Std Dev 0.6049

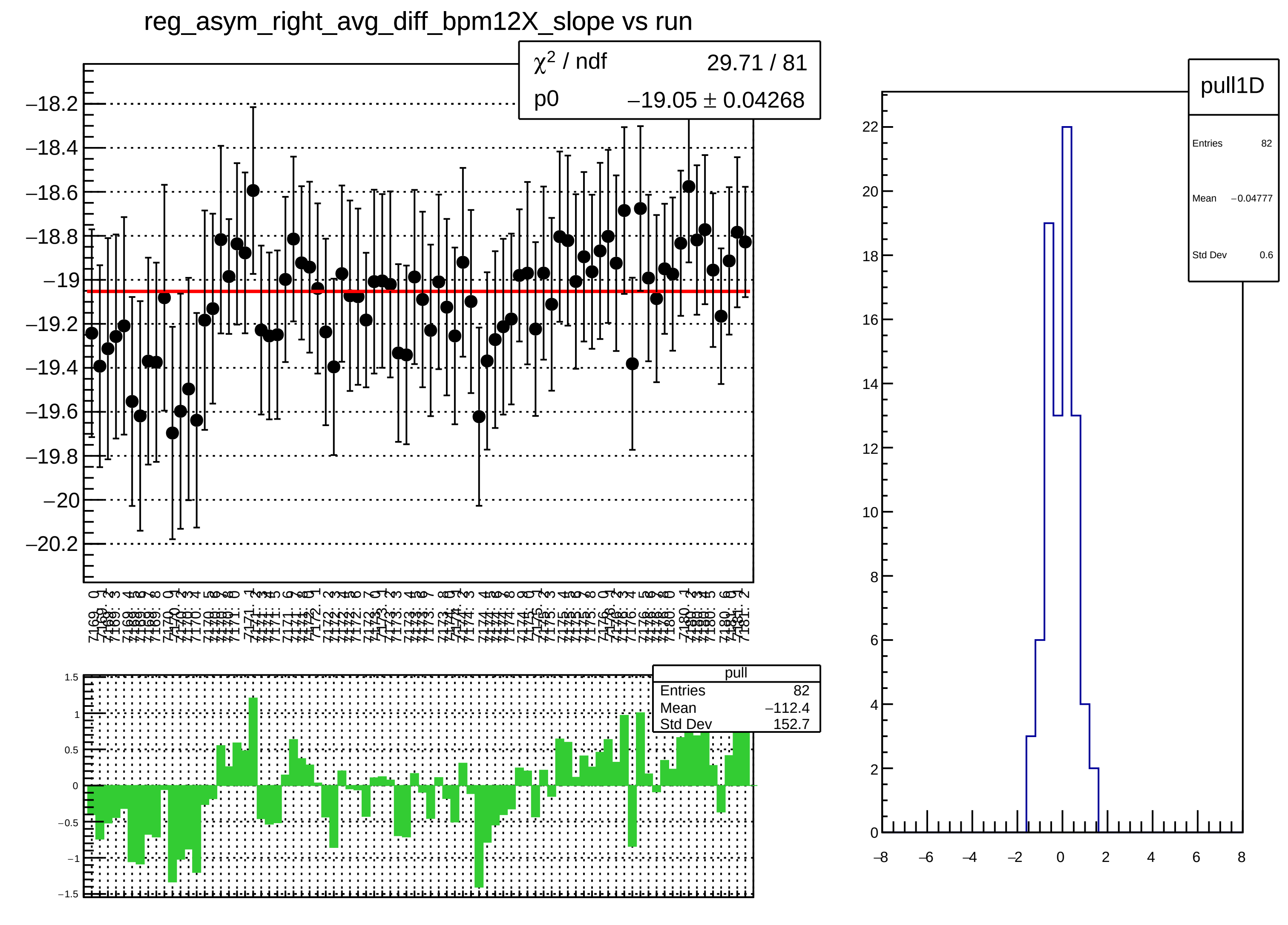

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ2 / ndf 24.67 / 81
p0 −0.3812 ± 0.8138
pull
Entries 82
Mean 56.12
Std Dev 26.44
pull1D
Entries 82
Mean 0.01847
Std Dev 0.5482

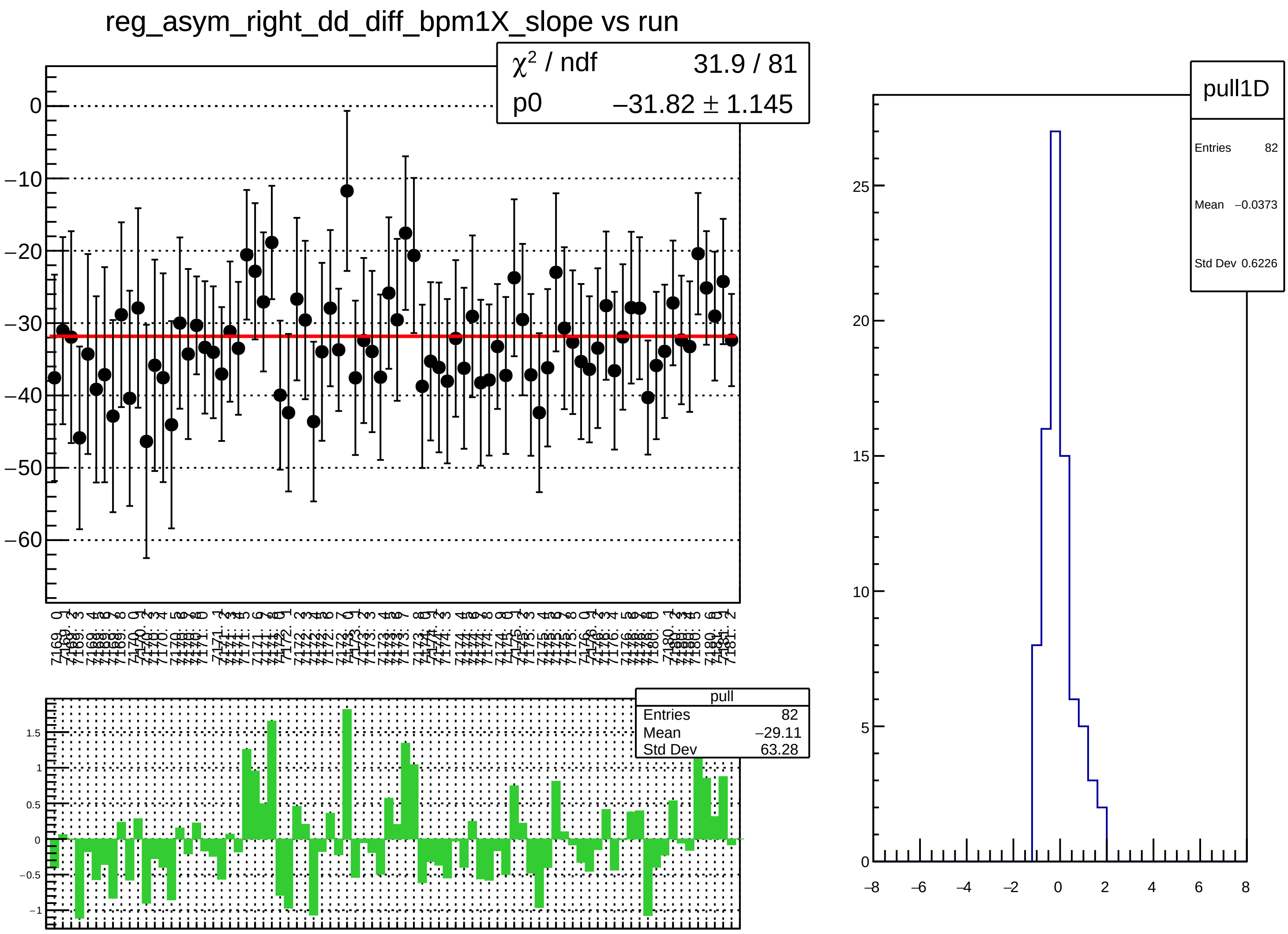


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 30.8 / 81
p0 60.92 ± 1.144
pull
Entries 82
Mean −28.23
Std Dev 63.39
pull1D
Entries 82
Mean 0.03559
Std Dev 0.6118

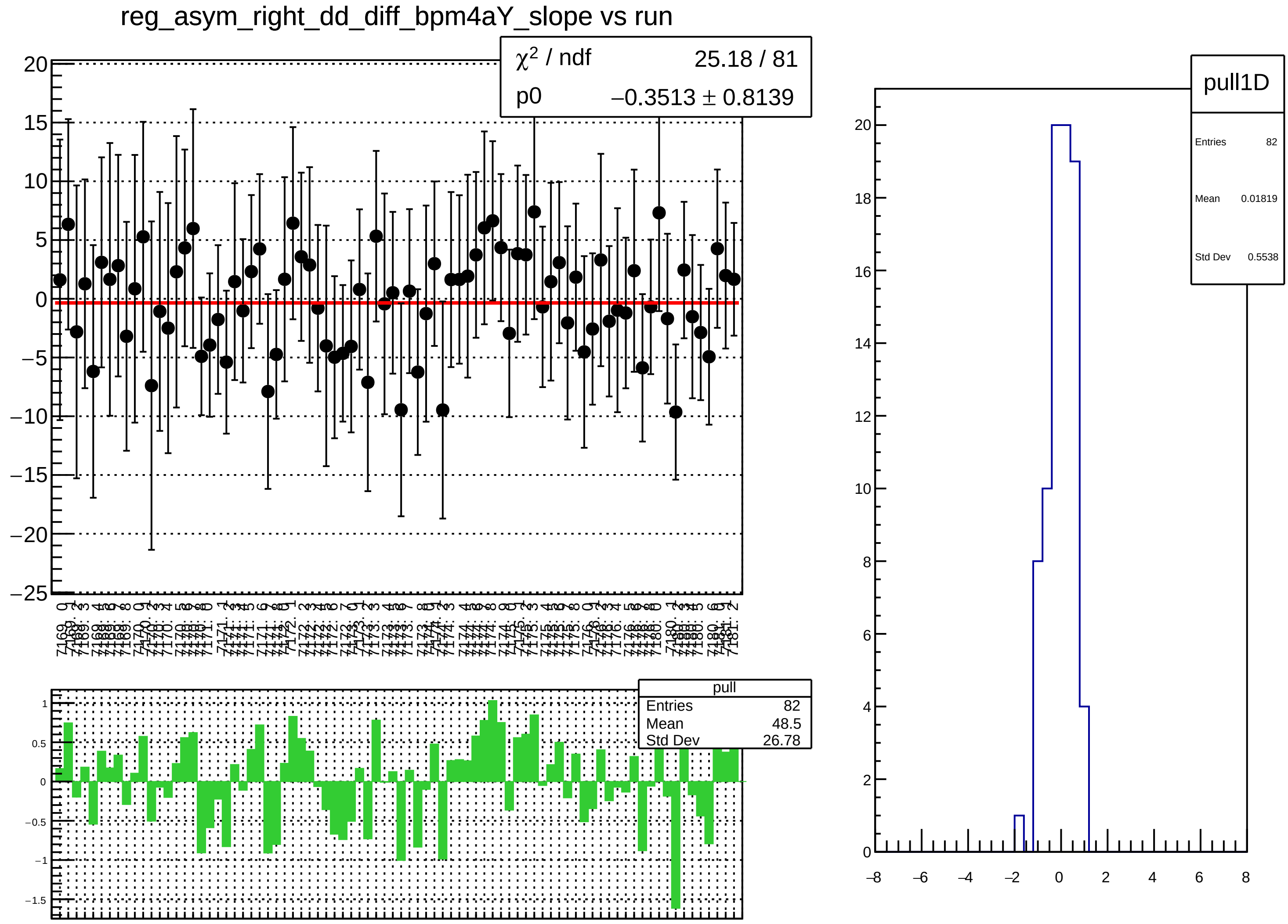


reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.46 / 81
p0 9.572 ± 0.9097
pull
Entries 82
Mean 207.5
Std Dev 170.1
pull1D
Entries 82
Mean −0.006991
Std Dev 0.5348

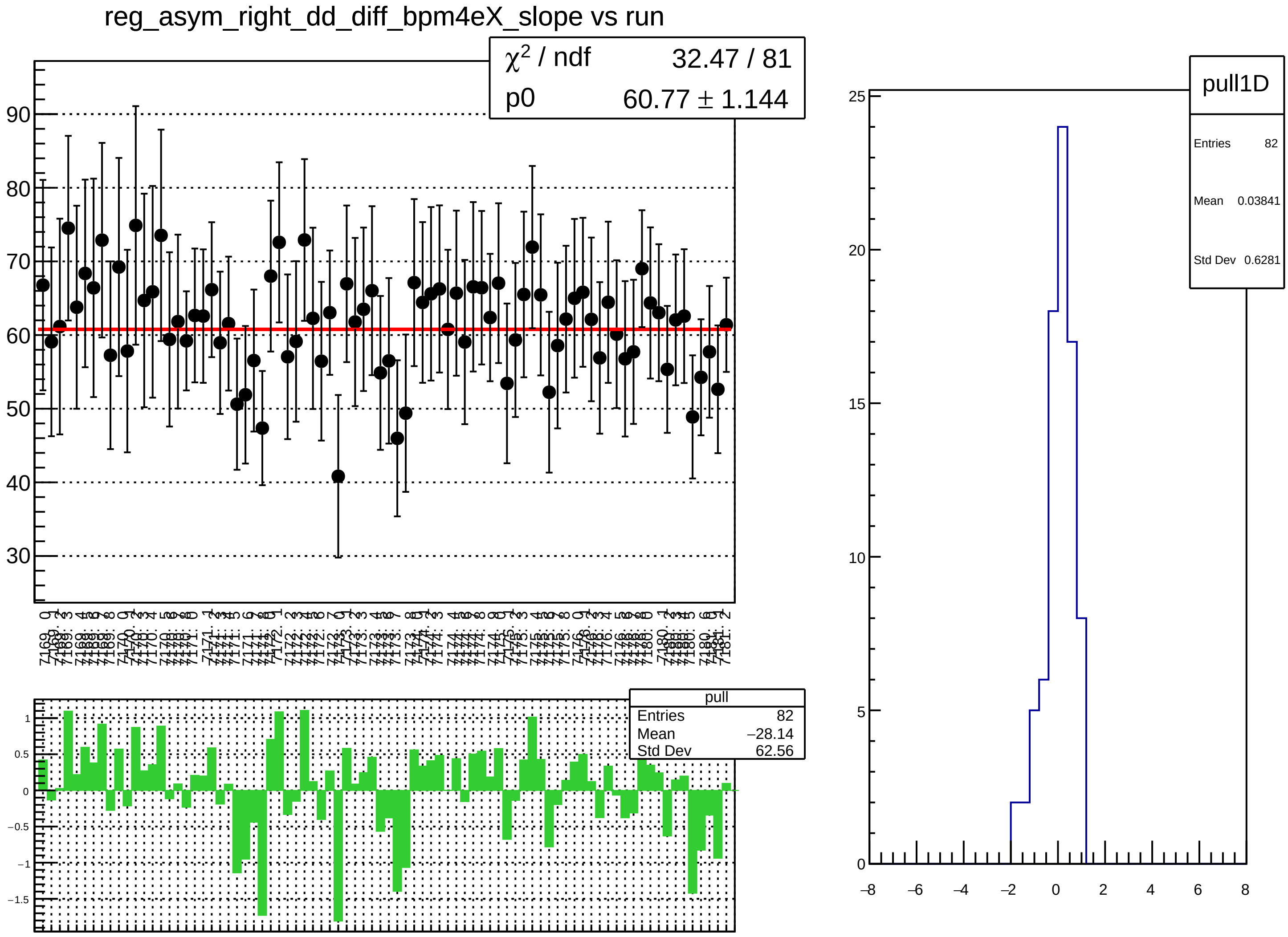

reg_asym_right_avg_diff_bpm12X_slope vs run
χ2 / ndf 29.71 / 81
p0 −19.05 ± 0.04268
pull
Entries 82
Mean −112.4
Std Dev 152.7
pull1D
Entries 82
Mean −0.04777
Std Dev 0.6

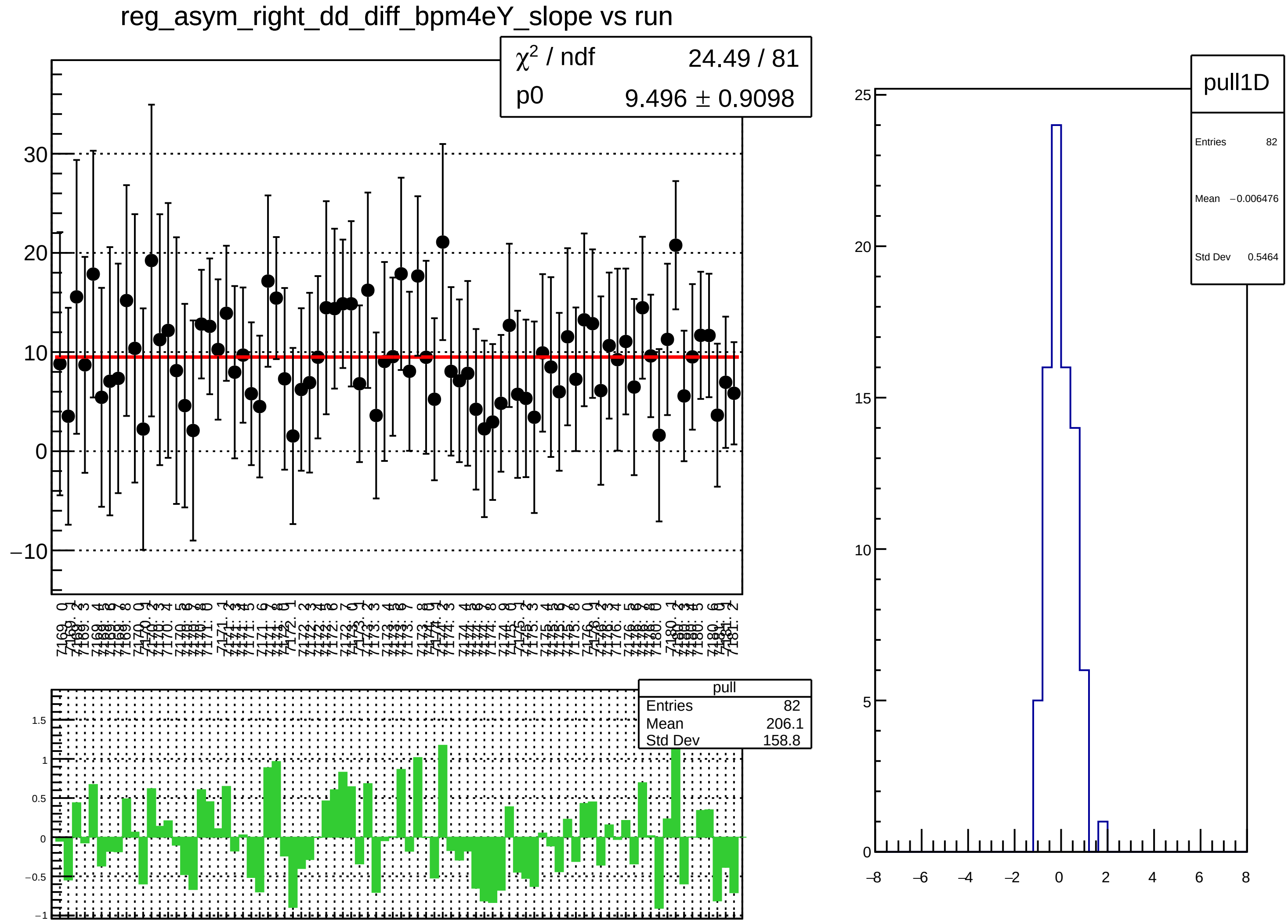


reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.9 / 81
p0 −31.82 ± 1.145
pull
Entries 82
Mean −29.11
Std Dev 63.28
pull1D
Entries 82
Mean −0.0373
Std Dev 0.6226

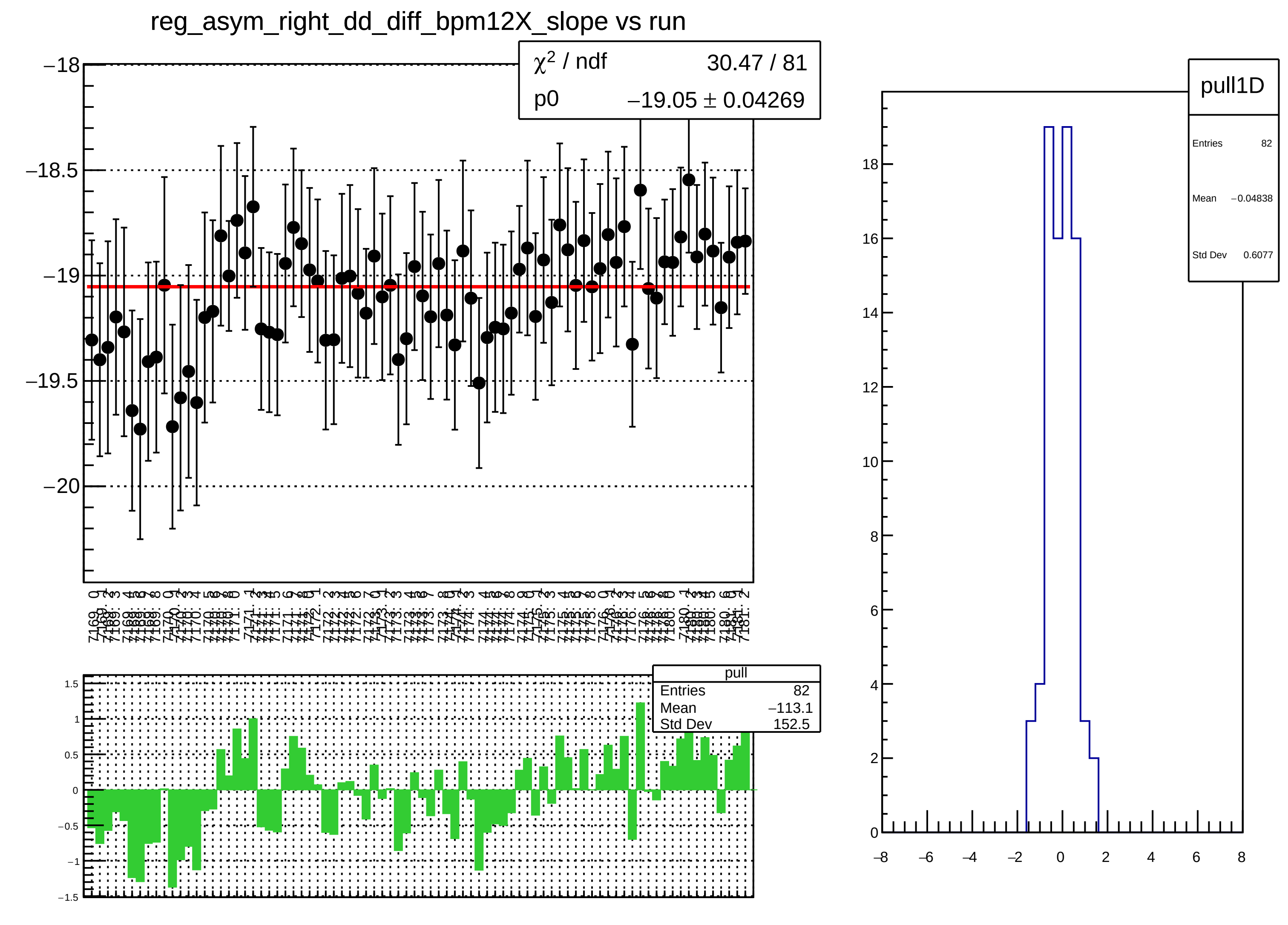


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ2 / ndf 25.18 / 81
p0 −0.3513 ± 0.8139
pull
Entries 82
Mean 48.5
Std Dev 26.78
pull1D
Entries 82
Mean 0.01819
Std Dev 0.5538

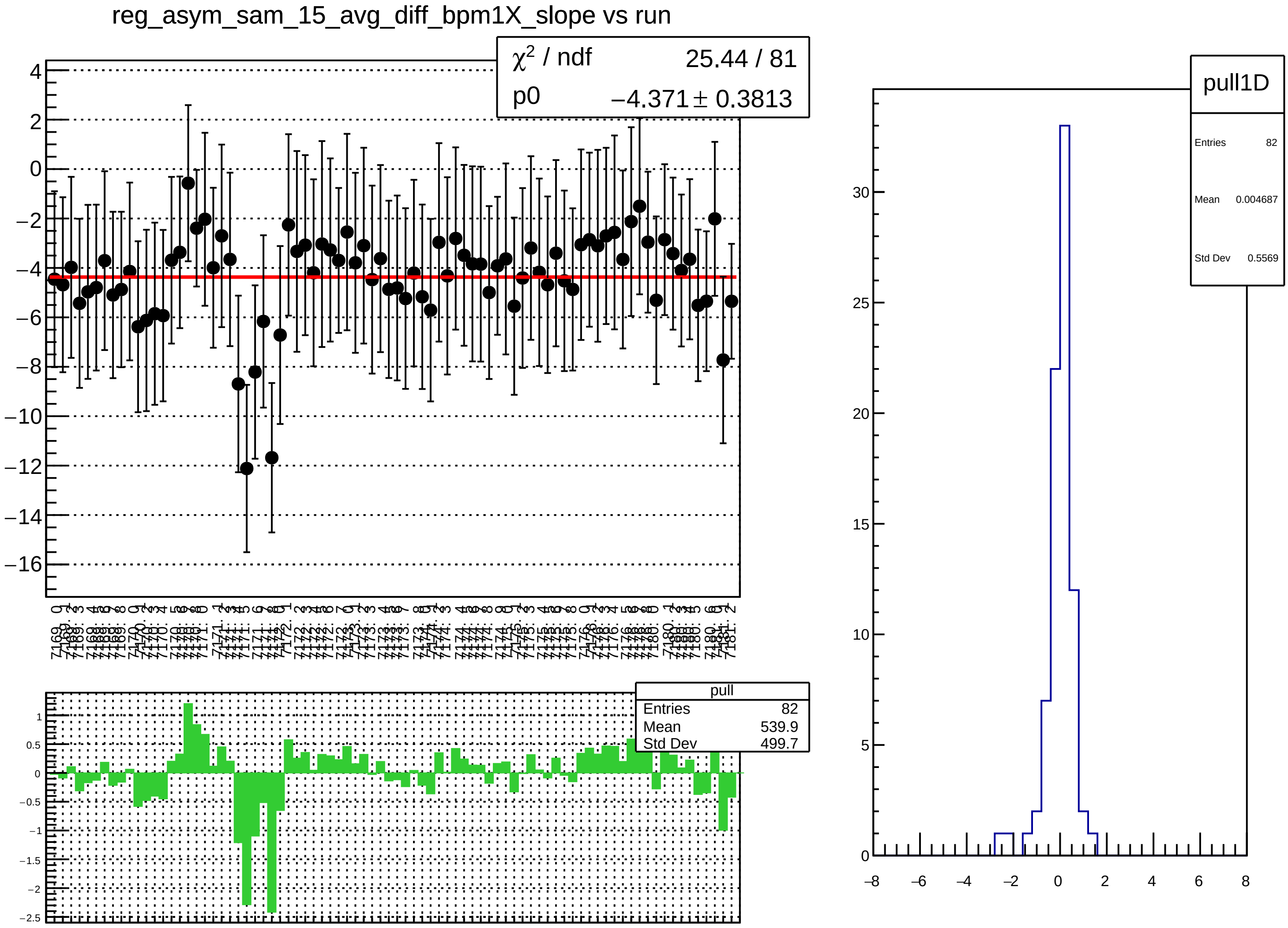

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 32.47 / 81
p0 60.77 ± 1.144
pull
Entries 82
Mean −28.14
Std Dev 62.56
pull1D
Entries 82
Mean 0.03841
Std Dev 0.6281

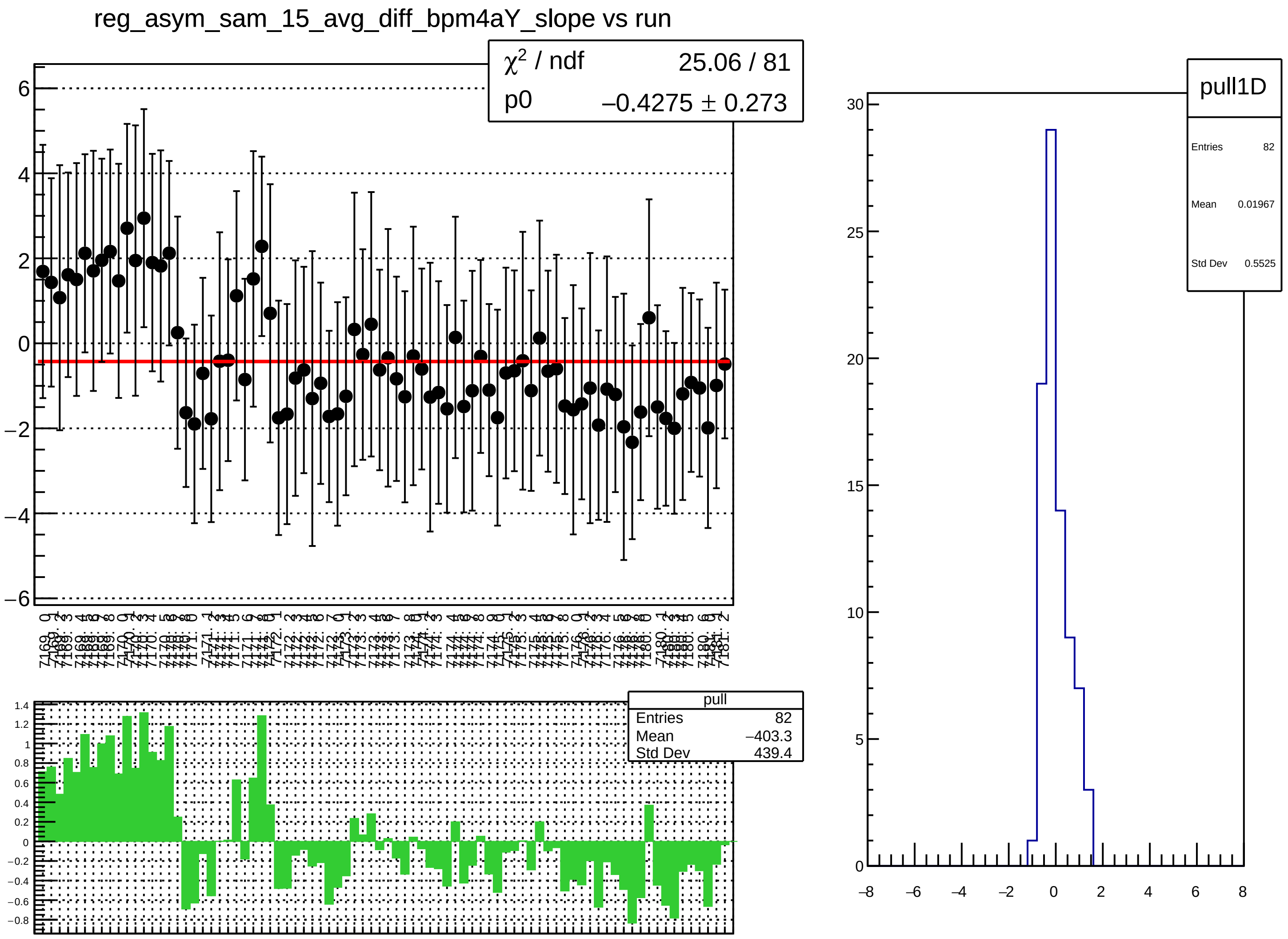


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 24.49 / 81
p0 9.496 ± 0.9098
pull
Entries 82
Mean 206.1
Std Dev 158.8
pull1D
Entries 82
Mean −0.006476
Std Dev 0.5464

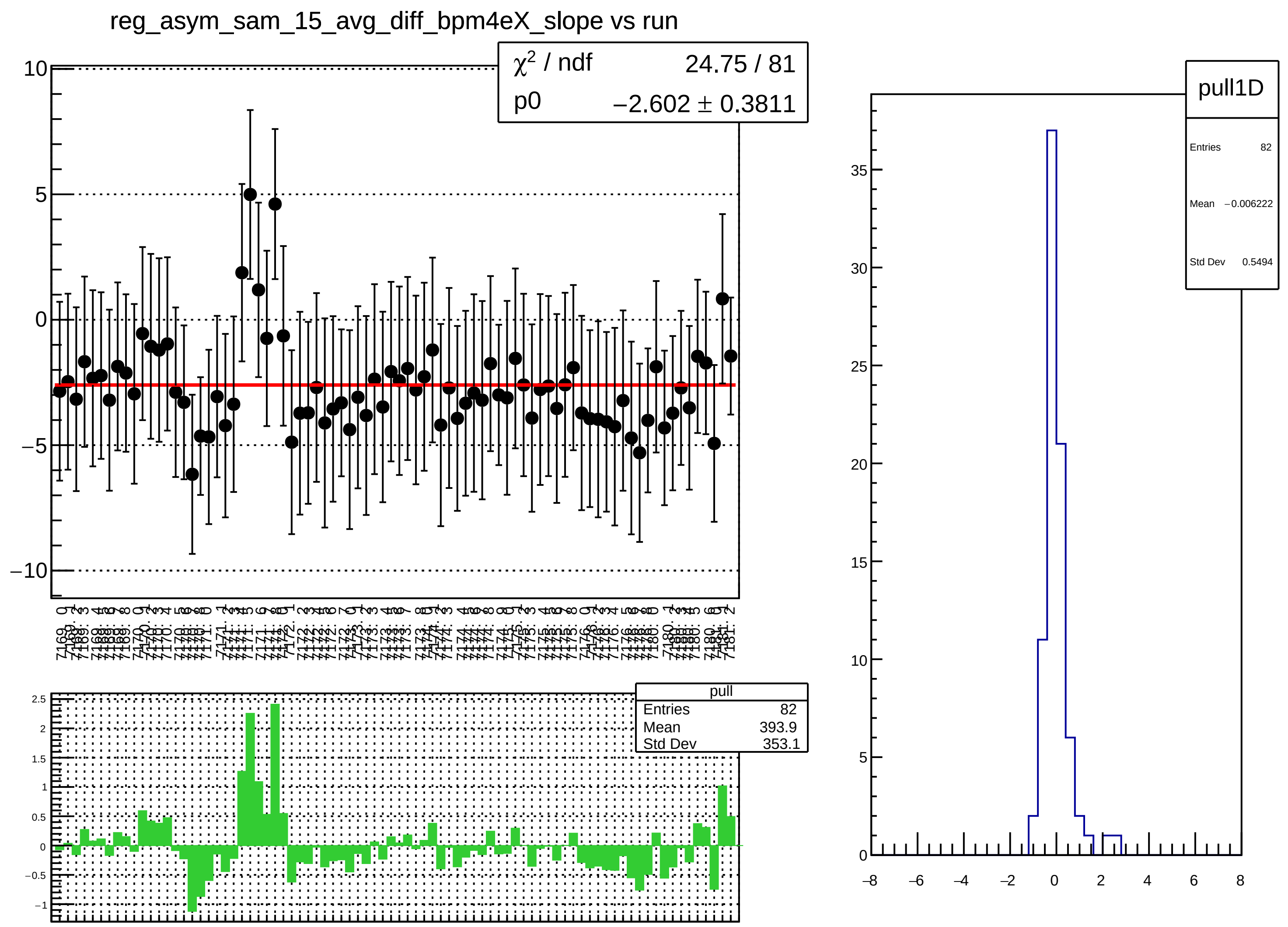


reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.47 / 81
p0 −19.05 ± 0.04269
pull
Entries 82
Mean −113.1
Std Dev 152.5
pull1D
Entries 82
Mean −0.04838
Std Dev 0.6077

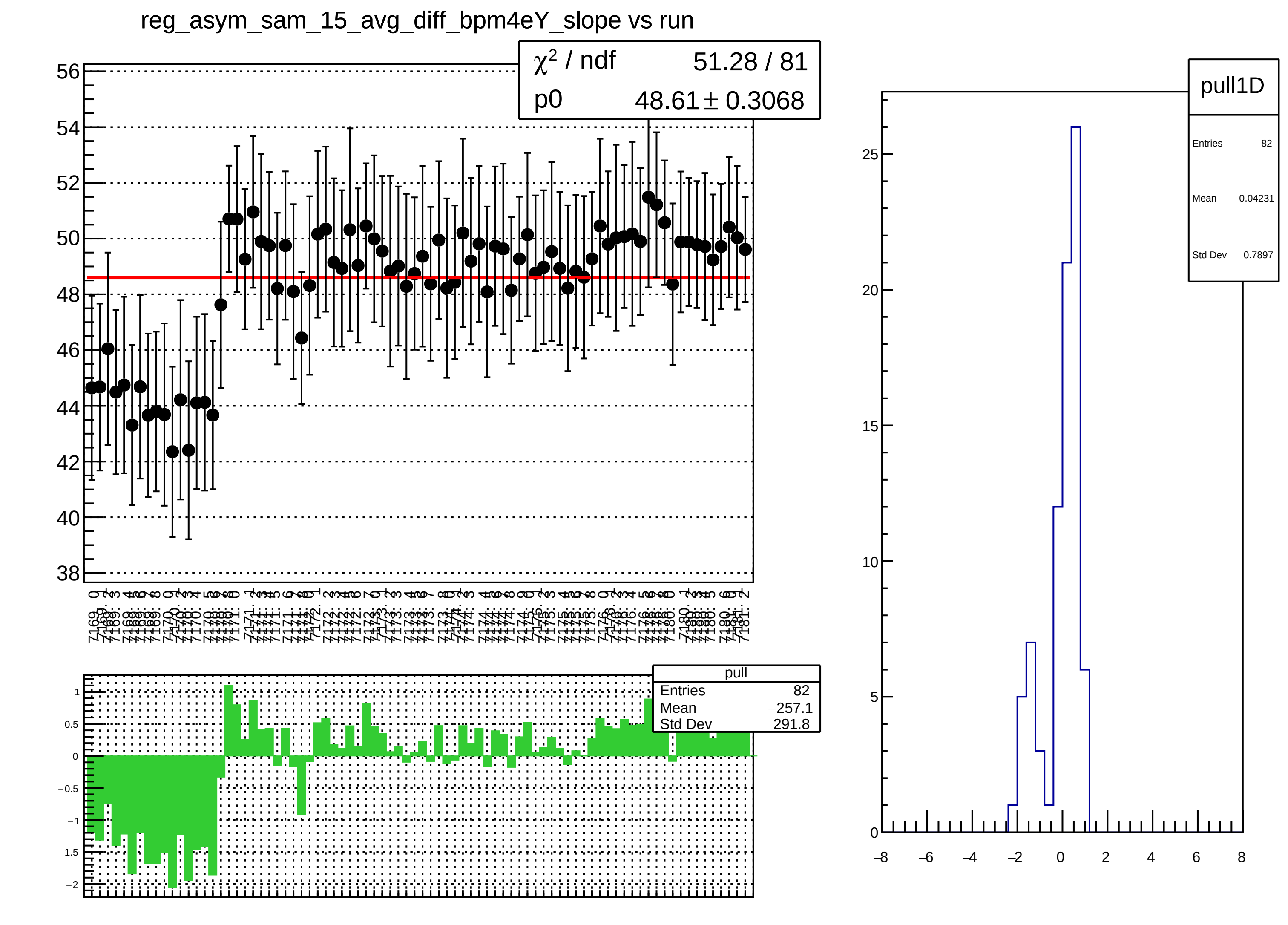

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 25.44 / 81
p0 −4.371 ± 0.3813
pull
Entries 82
Mean 539.9
Std Dev 499.7
pull1D
Entries 82
Mean 0.004687
Std Dev 0.5569

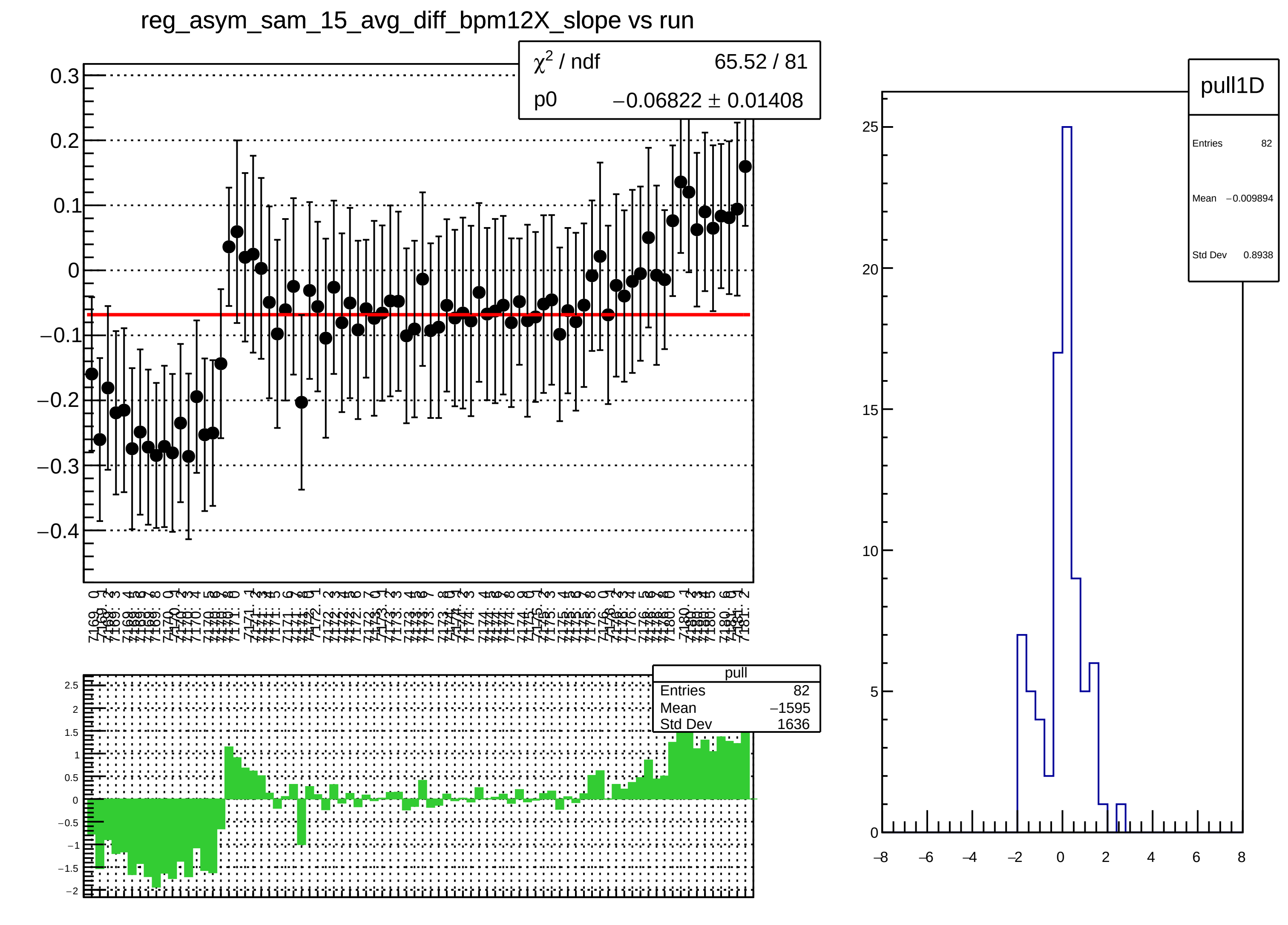


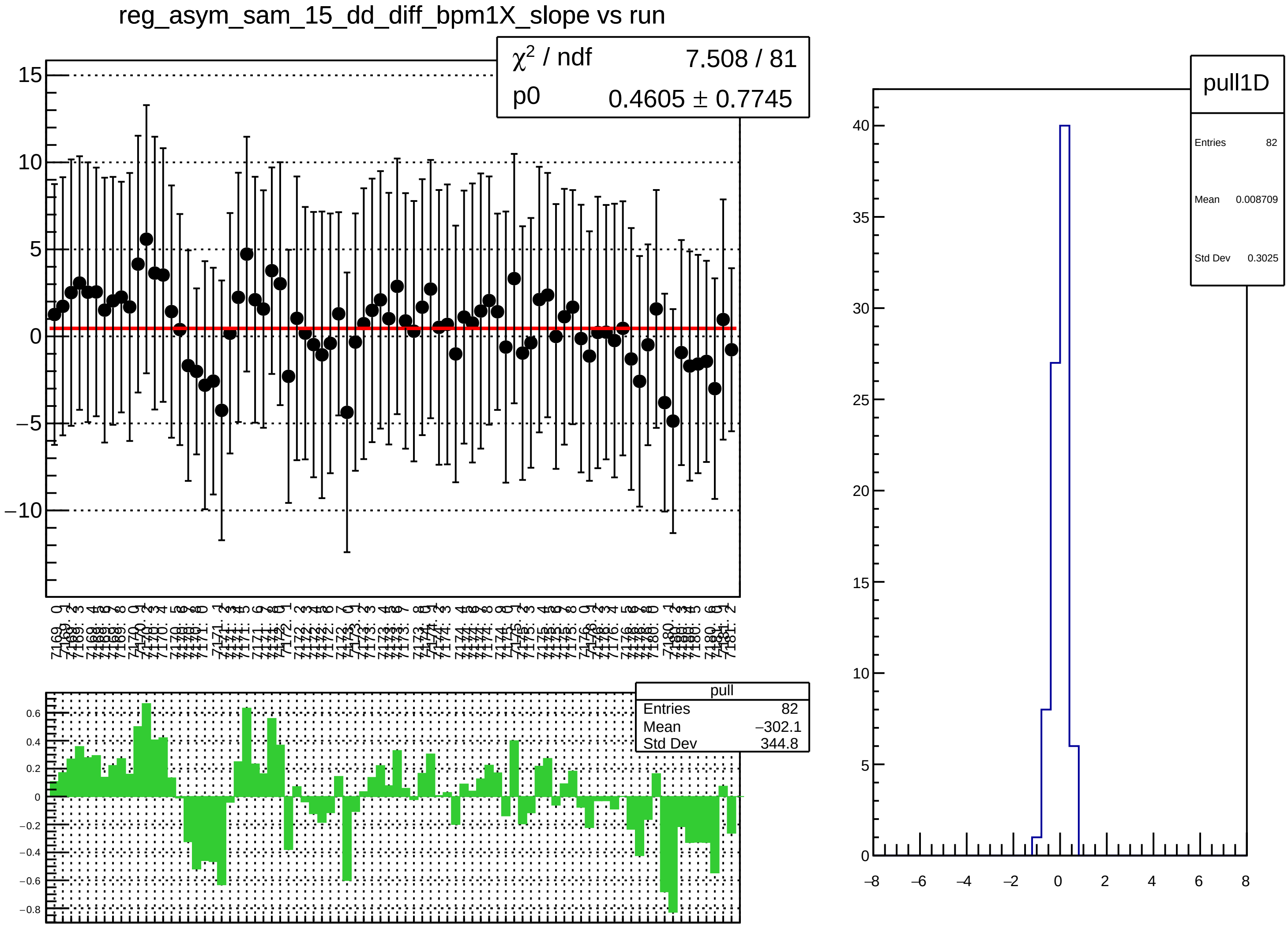
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 25.06 / 81
p0 −0.4275 ± 0.273
pull
Entries 82
Mean −403.3
Std Dev 439.4
pull1D
Entries 82
Mean 0.01967
Std Dev 0.5525



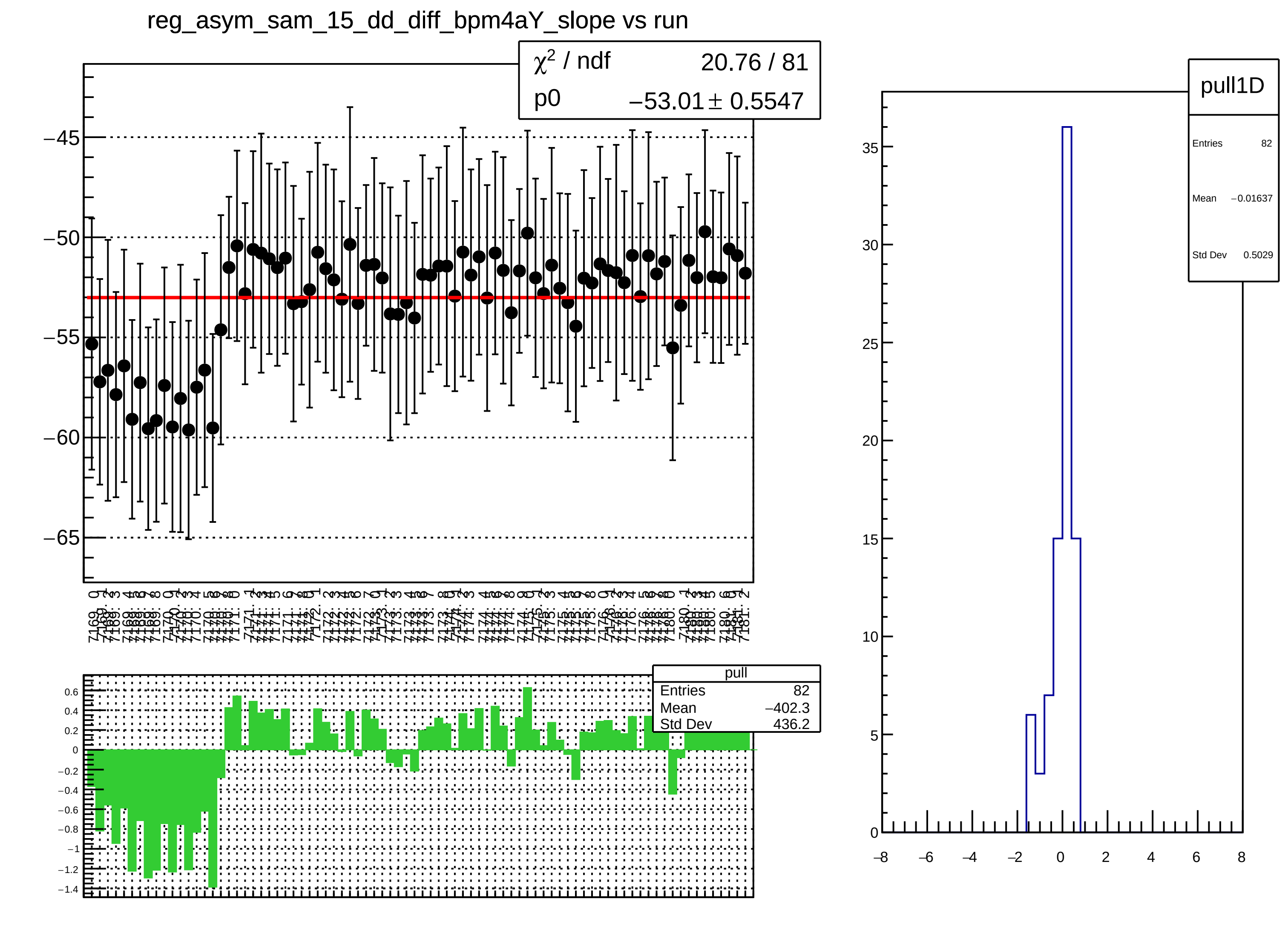
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.75 / 81
p0 −2.602 ± 0.3811
pull
Entries 82
Mean 393.9
Std Dev 353.1
pull1D
Entries 82
Mean −0.006222
Std Dev 0.5494

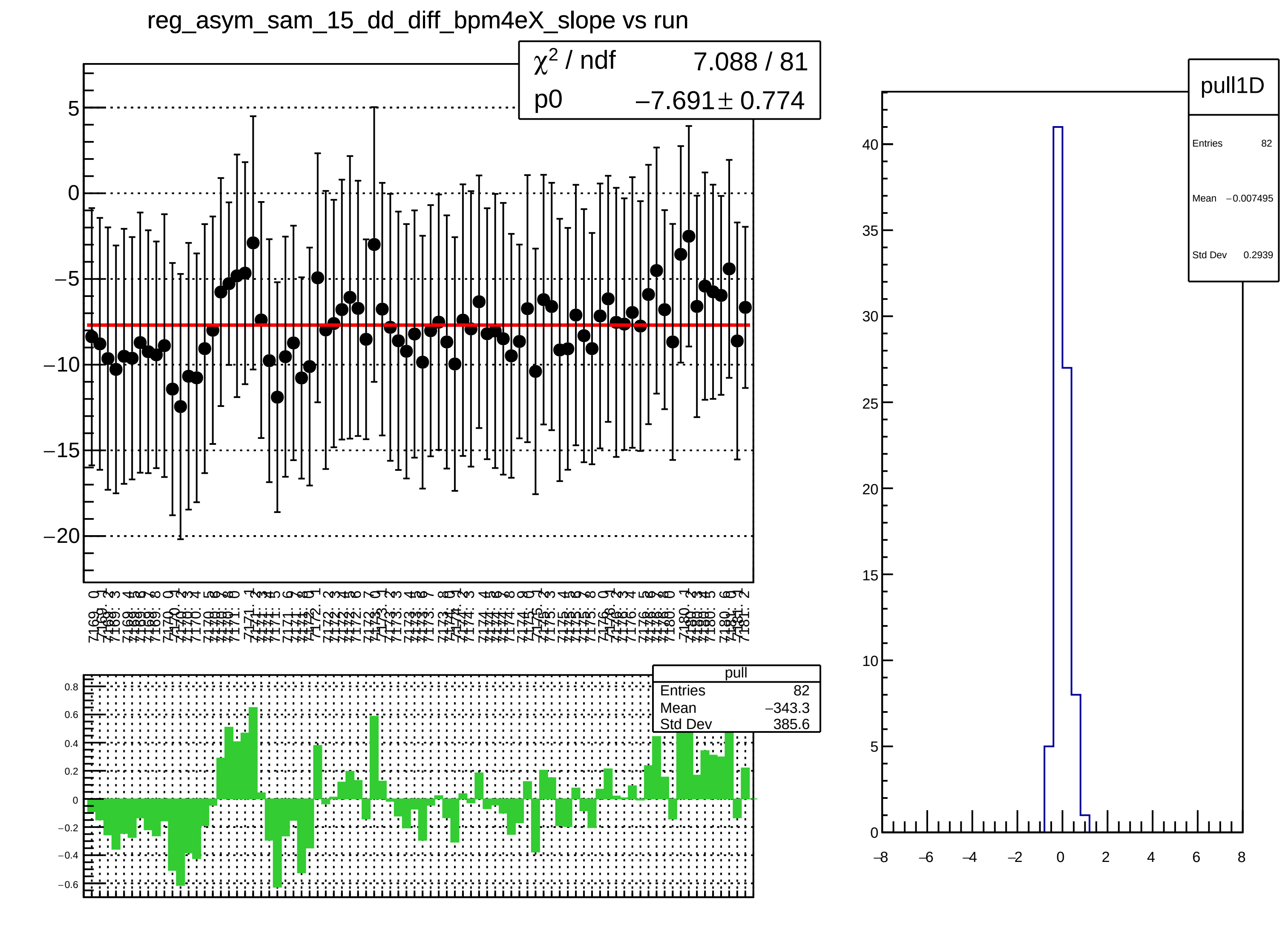

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ2 / ndf 51.28 / 81
p0 48.61 ± 0.3068
pull
Entries 82
Mean −257.1
Std Dev 291.8
pull1D
Entries 82
Mean −0.04231
Std Dev 0.7897


reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 65.52 / 81
p0 −0.06822 ± 0.01408
pull
Entries 82
Mean −1595
Std Dev 1636
pull1D
Entries 82
Mean −0.009894
Std Dev 0.8938

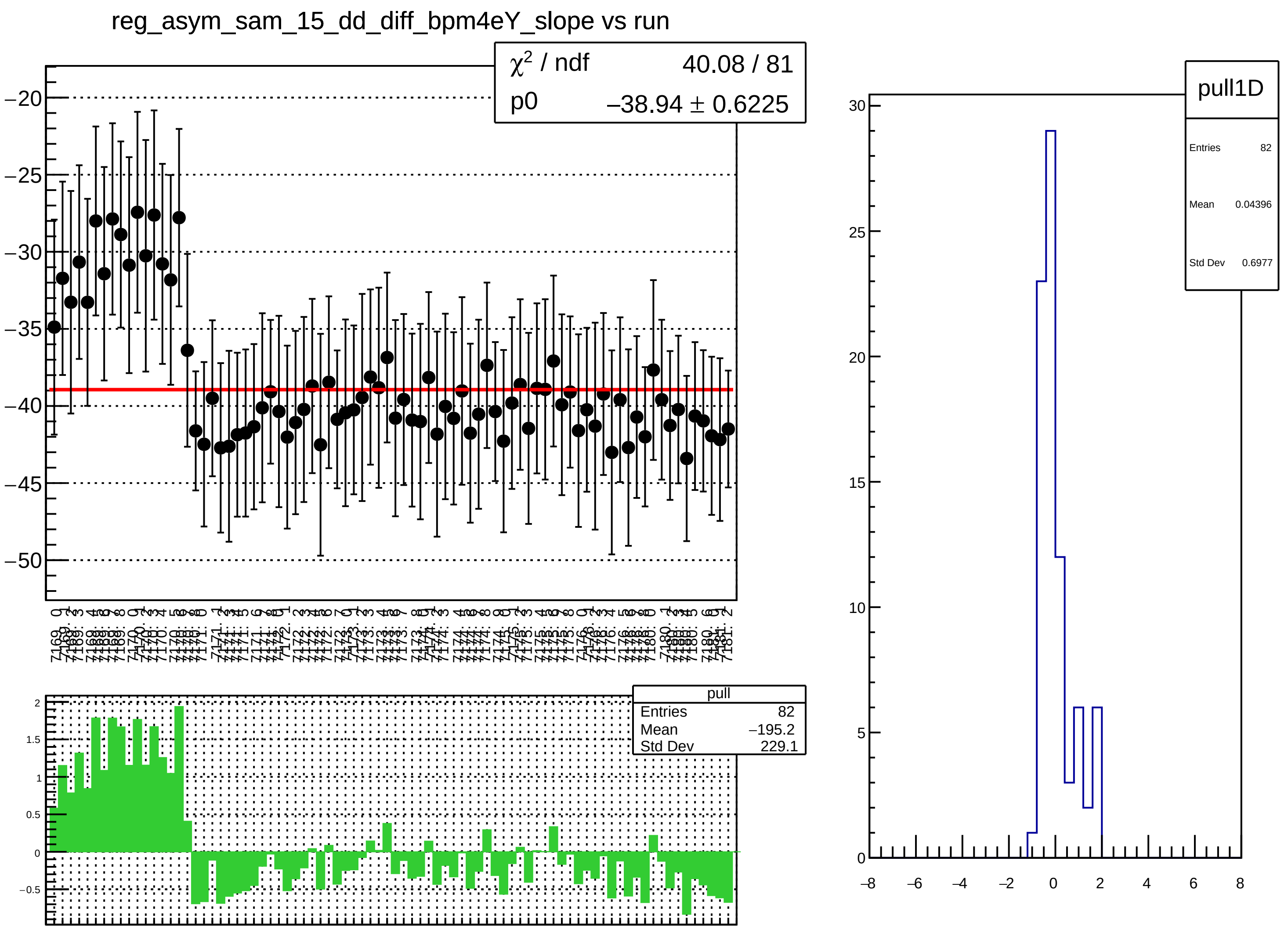


reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.508 / 81
p0 0.4605 ± 0.7745
pull
Entries 82
Mean −302.1
Std Dev 344.8
pull1D
Entries 82
Mean 0.008709
Std Dev 0.3025

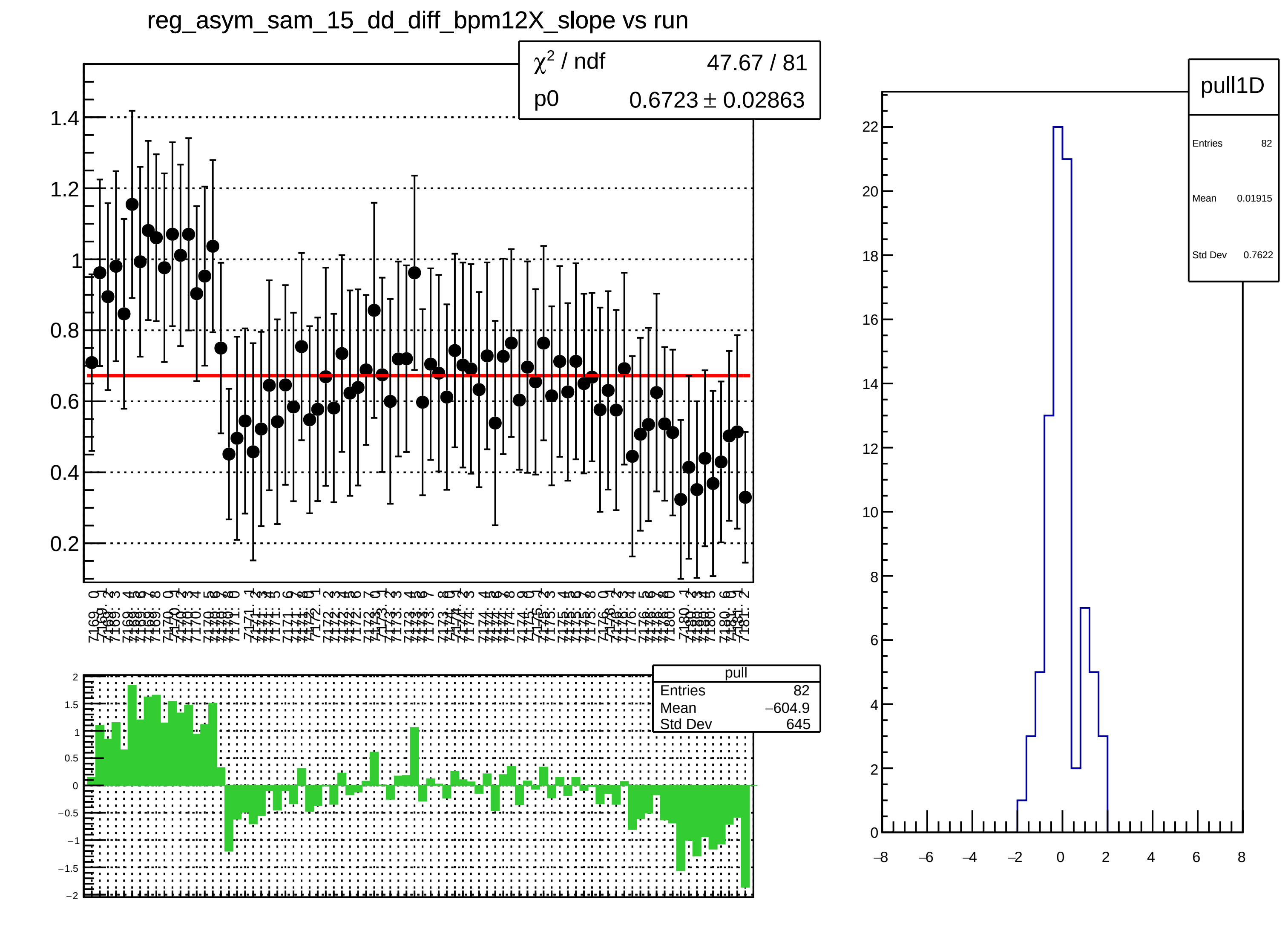

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 20.76 / 81
p0 −53.01 ± 0.5547
pull
Entries 82
Mean −402.3
Std Dev 436.2
pull1D
Entries 82
Mean −0.01637
Std Dev 0.5029



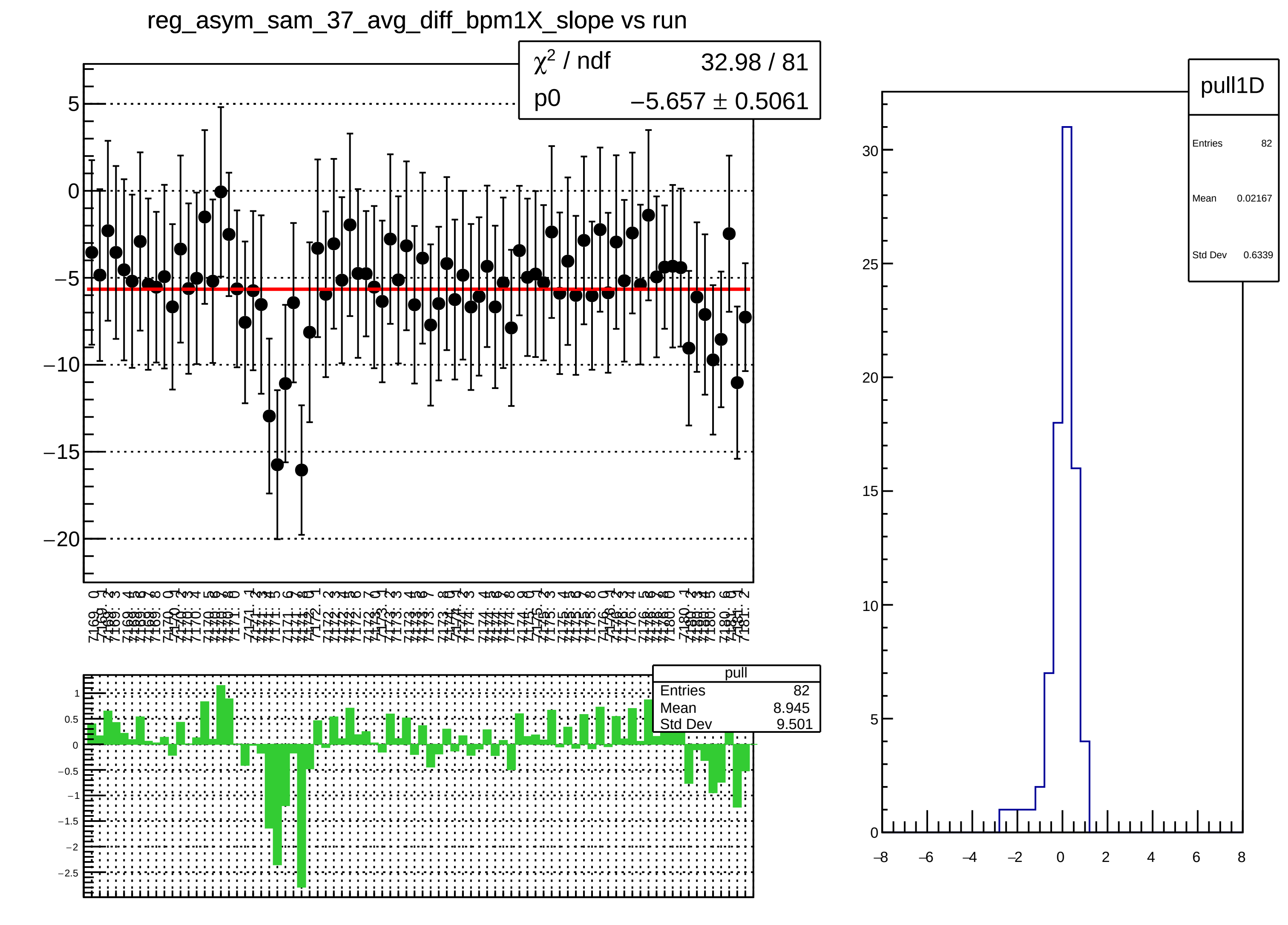
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.088 / 81
p0 −7.691 ± 0.774
pull
Entries 82
Mean −343.3
Std Dev 385.6
pull1D
Entries 82
Mean −0.007495
Std Dev 0.2939



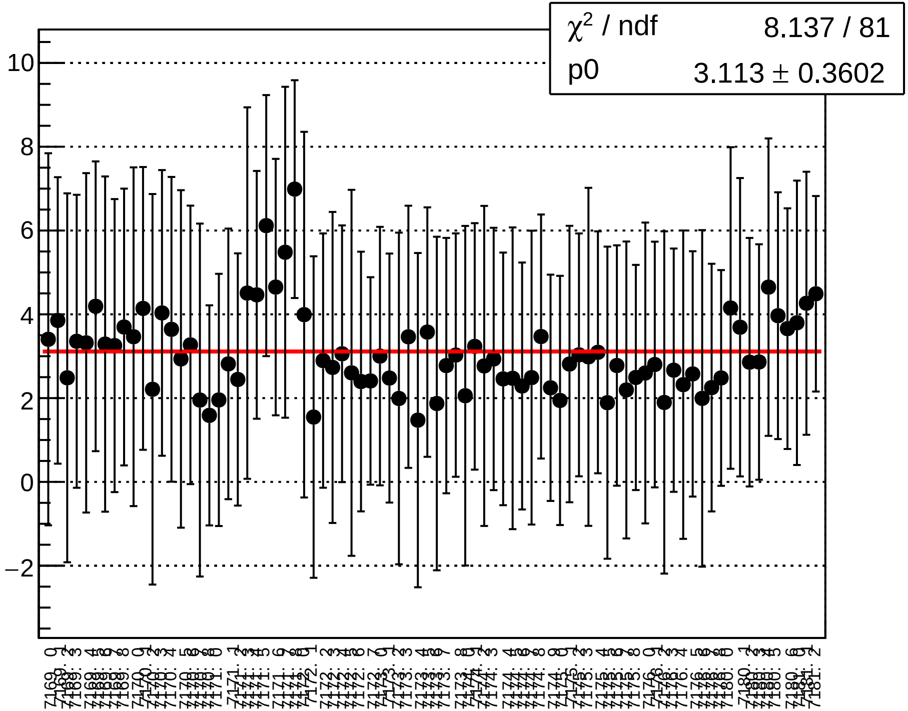
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 40.08 / 81
p0 −38.94 ± 0.6225
pull
Entries 82
Mean −195.2
Std Dev 229.1
pull1D
Entries 82
Mean 0.04396
Std Dev 0.6977

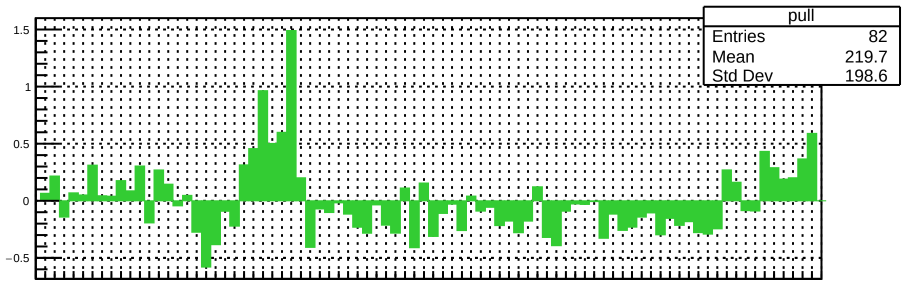


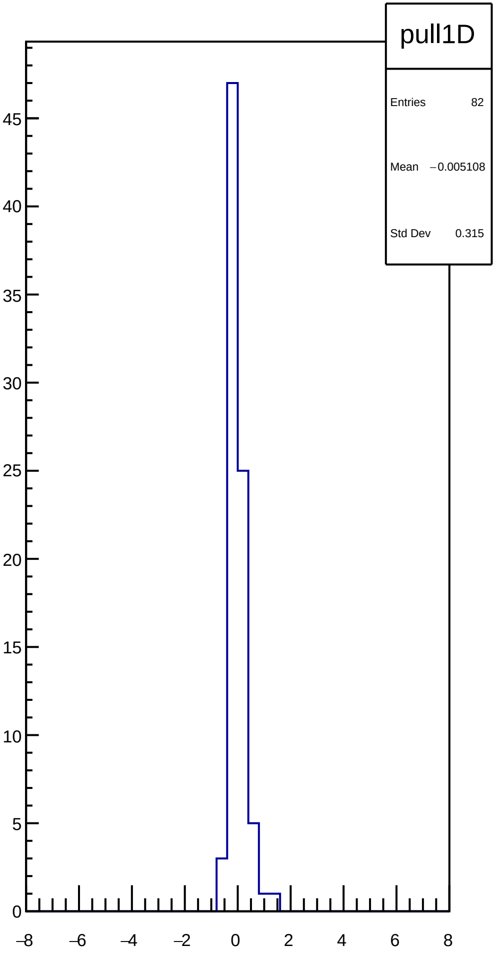
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 47.67 / 81
p0 0.6723 ± 0.02863
pull
Entries 82
Mean −604.9
Std Dev 645
pull1D
Entries 82
Mean 0.01915
Std Dev 0.7622

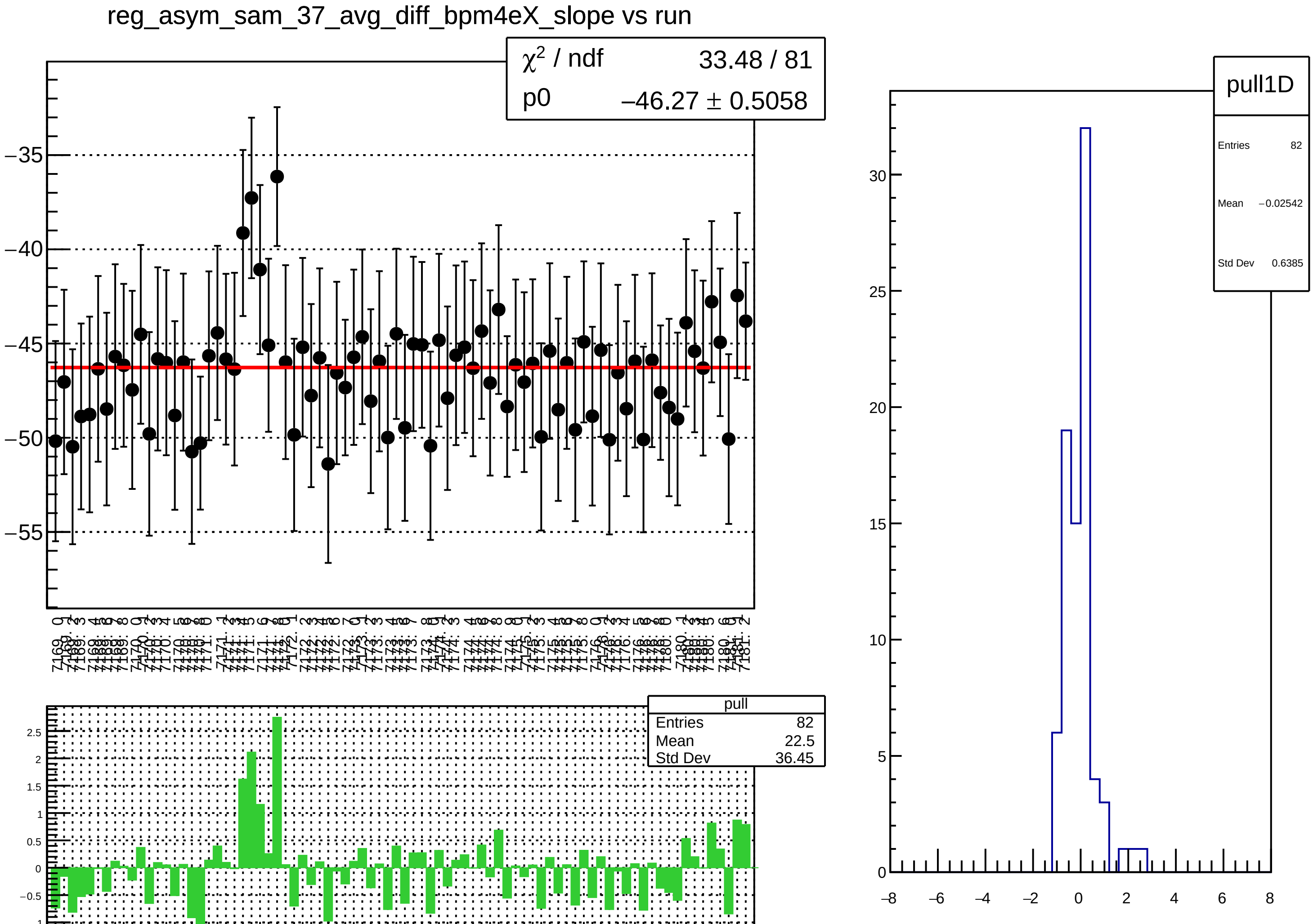

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ2 / ndf 32.98 / 81
p0 −5.657 ± 0.5061
pull
Entries 82
Mean 8.945
Std Dev 9.501
pull1D
Entries 82
Mean 0.02167
Std Dev 0.6339

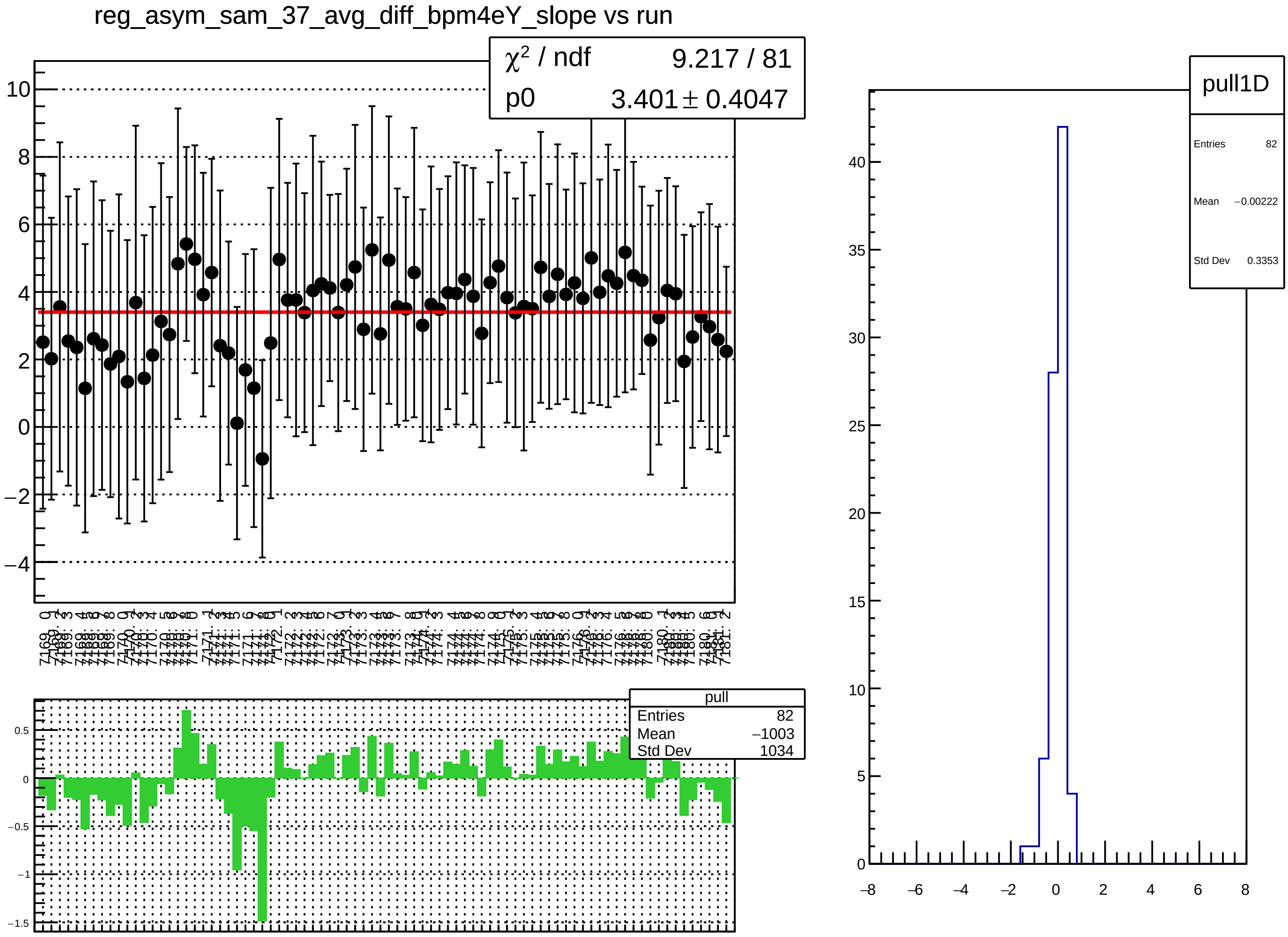
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run



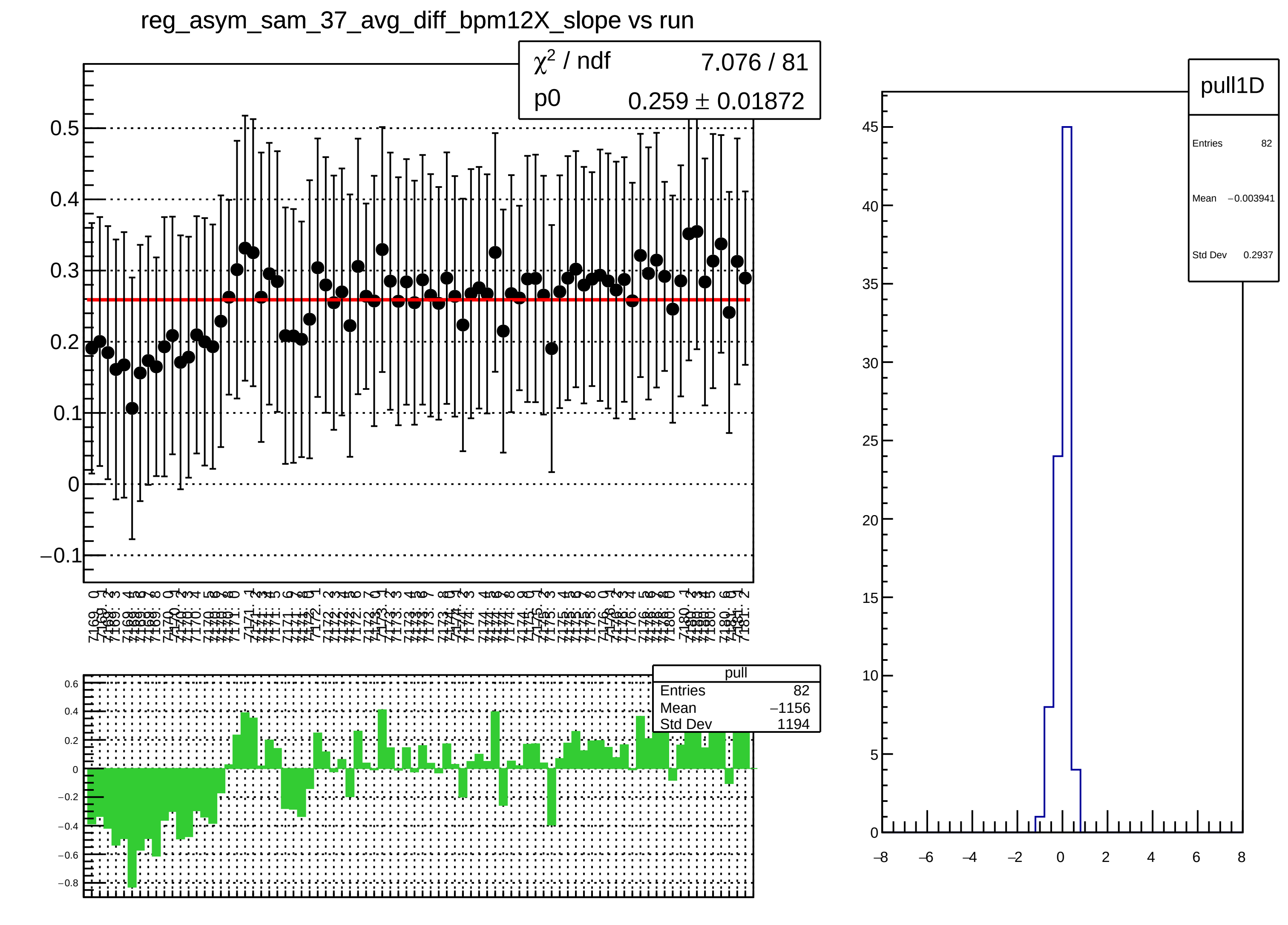




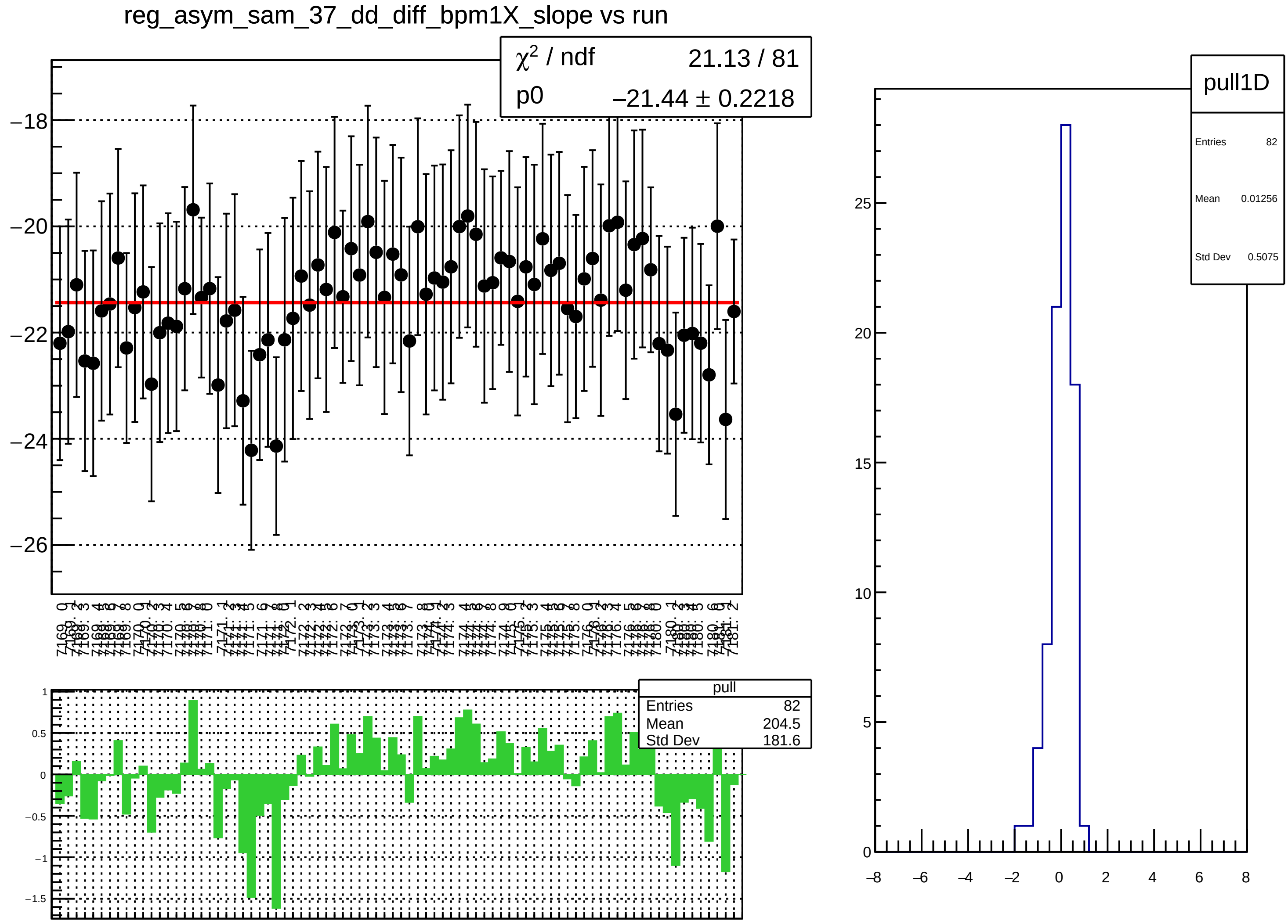

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 33.48 / 81
p0 −46.27 ± 0.5058
−35
−40
−45
−50
−55
pull
Entries 82
Mean 22.5
Std Dev 36.45
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.02542
Std Dev 0.6385
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



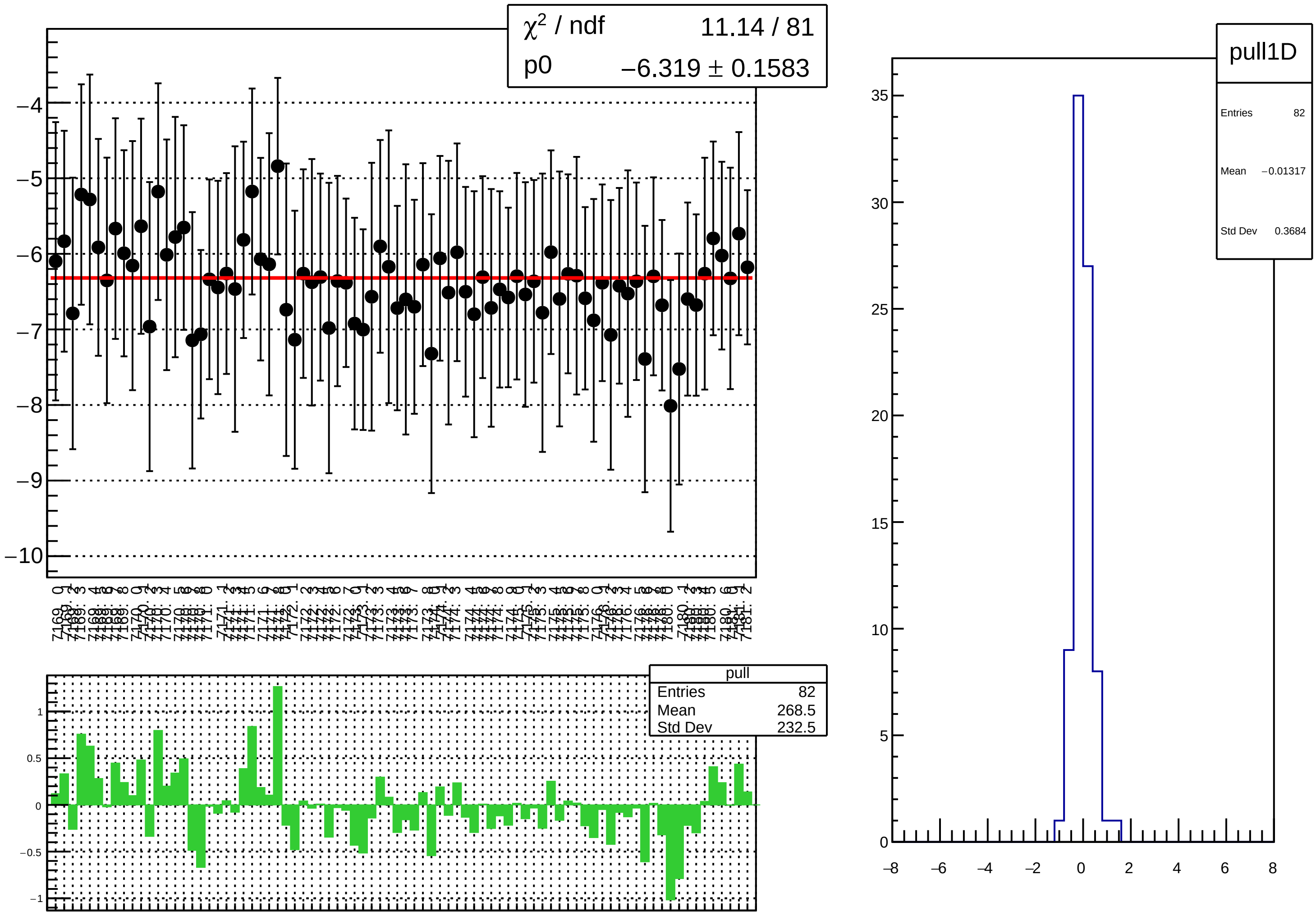
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.217 / 81
p0 3.401 ± 0.4047
pull
Entries 82
Mean −1003
Std Dev 1034
pull1D
Entries 82
Mean −0.00222
Std Dev 0.3353

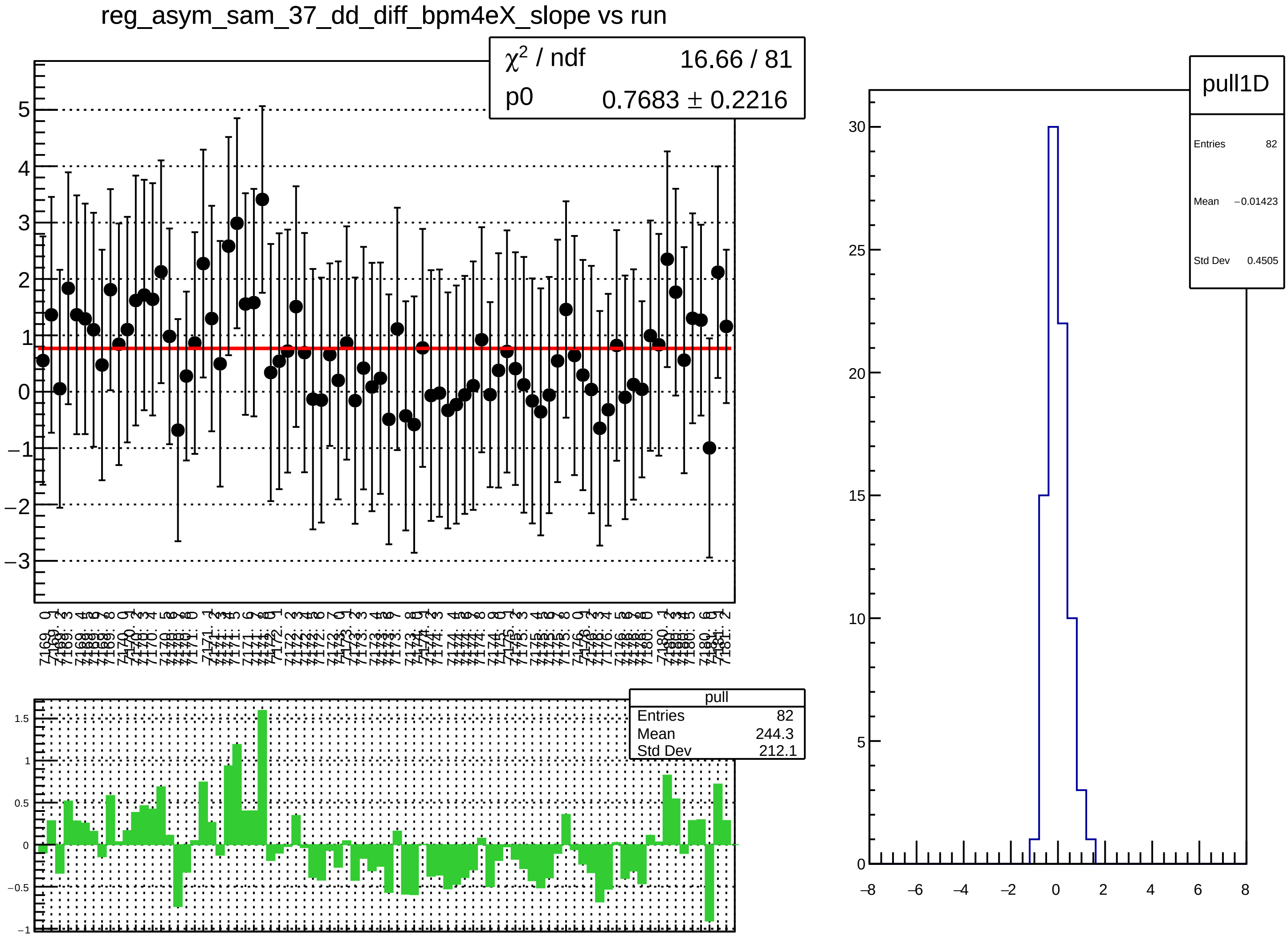


reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 7.076 / 81
p0 0.259 ± 0.01872
pull
Entries 82
Mean −1156
Std Dev 1194
pull1D
Entries 82
Mean −0.003941
Std Dev 0.2937

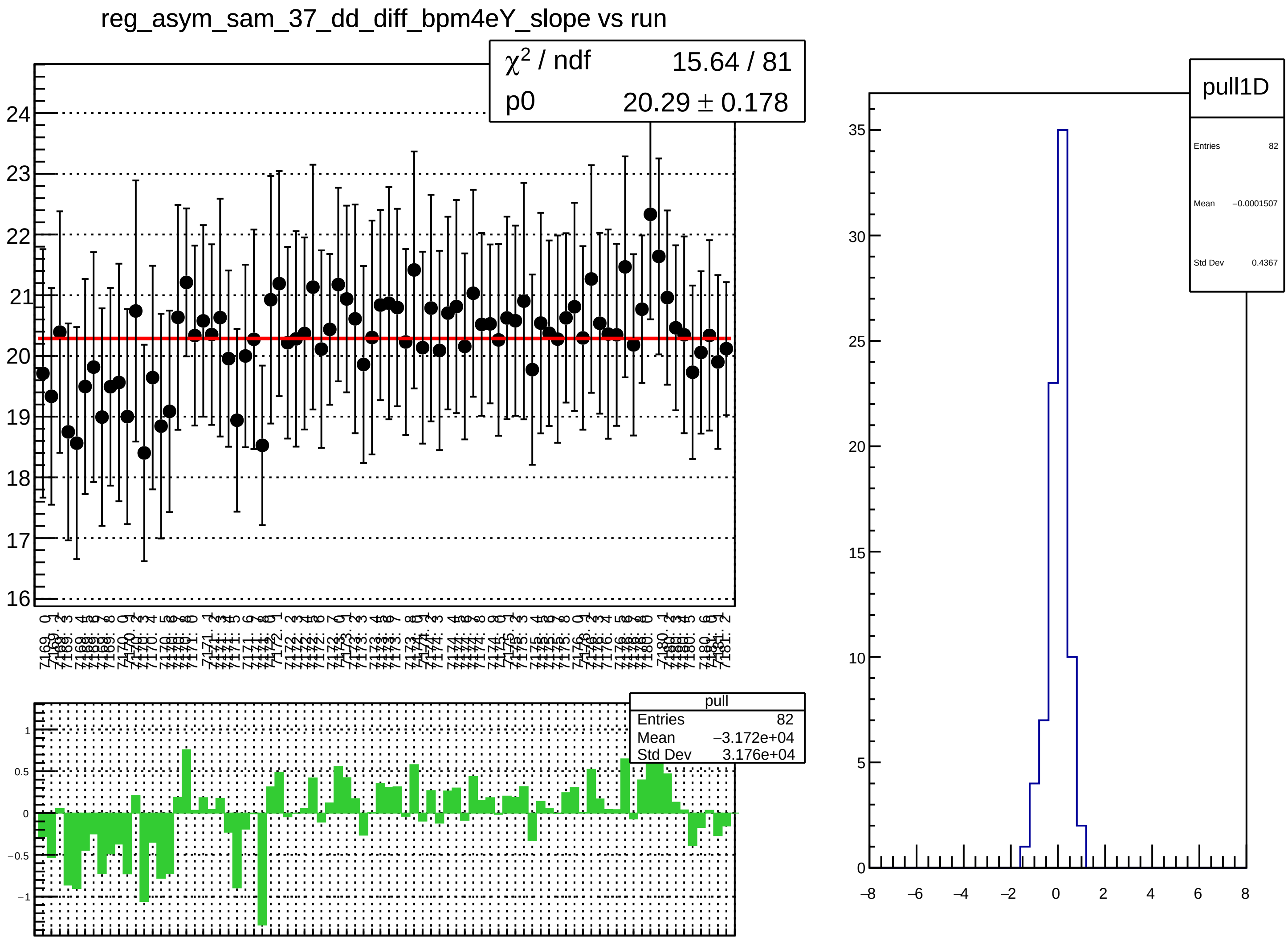

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 21.13 / 81
p0 −21.44 ± 0.2218
−18
−20
−22
−24
−26
pull
Entries 82
Mean 204.5
Std Dev 181.6
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01256
Std Dev 0.5075
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run

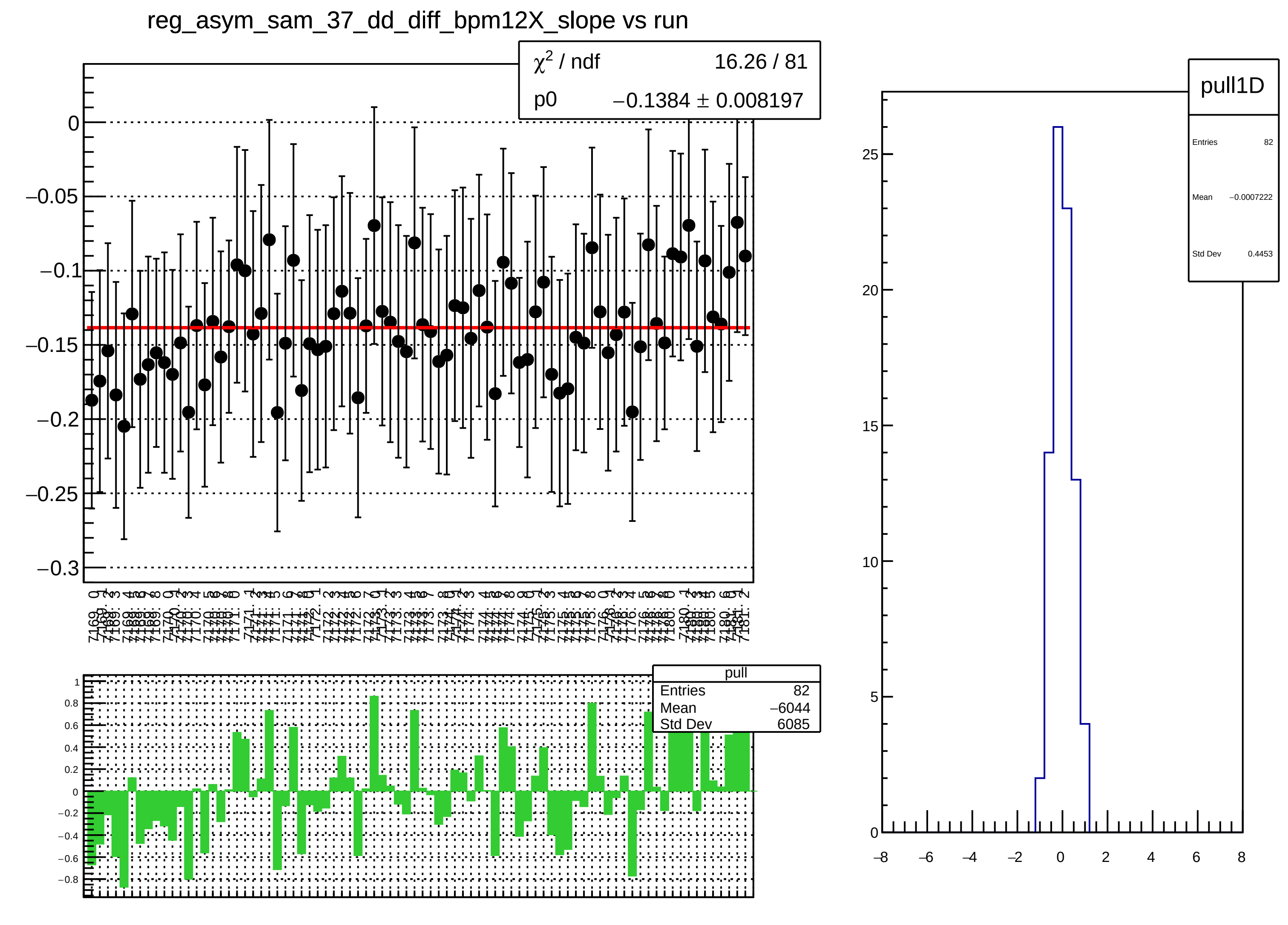




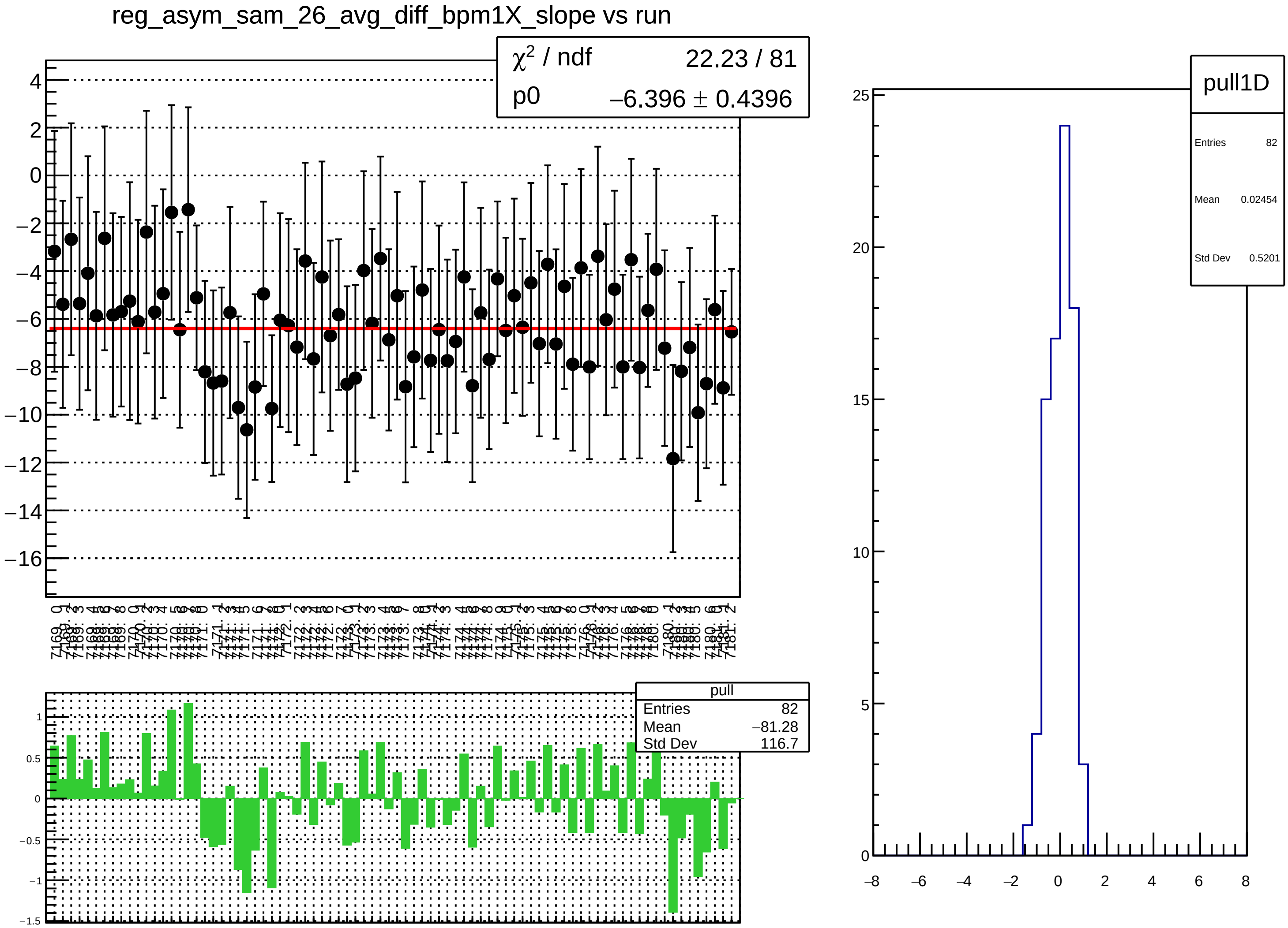
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 16.66 / 81
p0 0.7683 ± 0.2216
pull
Entries 82
Mean 244.3
Std Dev 212.1
pull1D
Entries 82
Mean −0.01423
Std Dev 0.4505



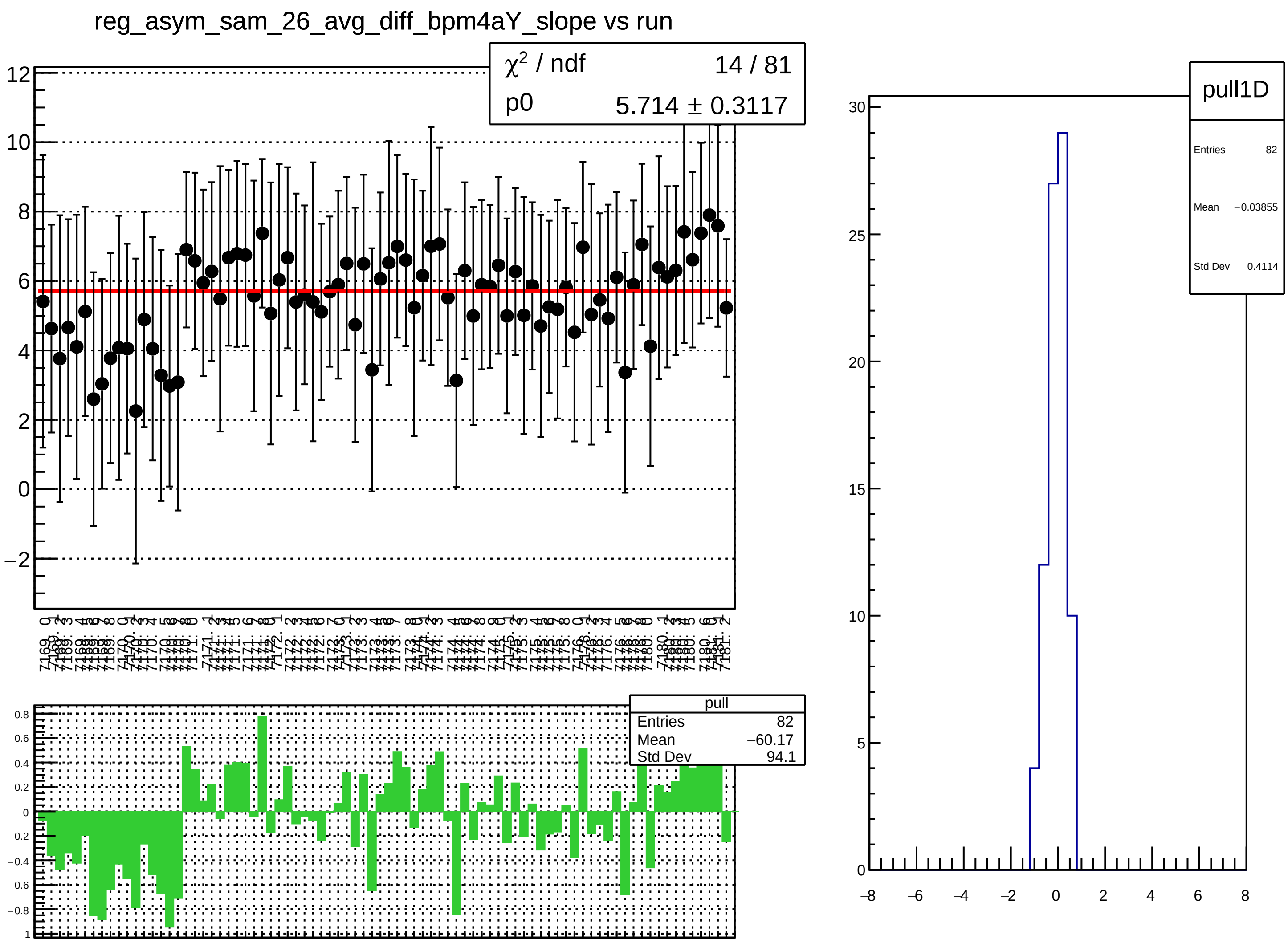
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 15.64 / 81
p0 20.29 ± 0.178
pull
Entries 82
Mean −3.172e+04
Std Dev 3.176e+04
pull1D
Entries 82
Mean −0.0001507
Std Dev 0.4367



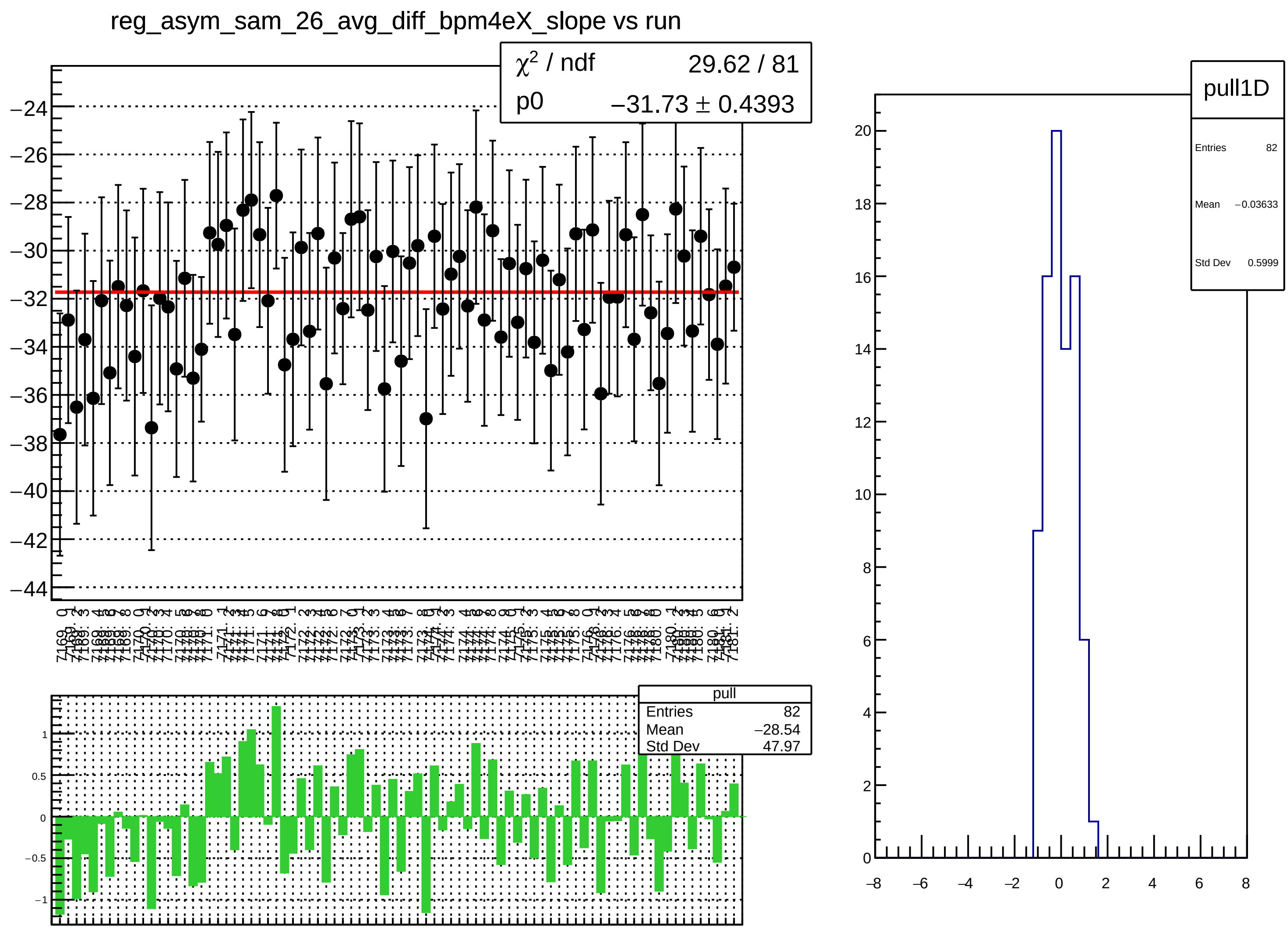
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.26 / 81
p0 −0.1384 ± 0.008197
pull
Entries 82
Mean −6044
Std Dev 6085
pull1D
Entries 82
Mean −0.0007222
Std Dev 0.4453



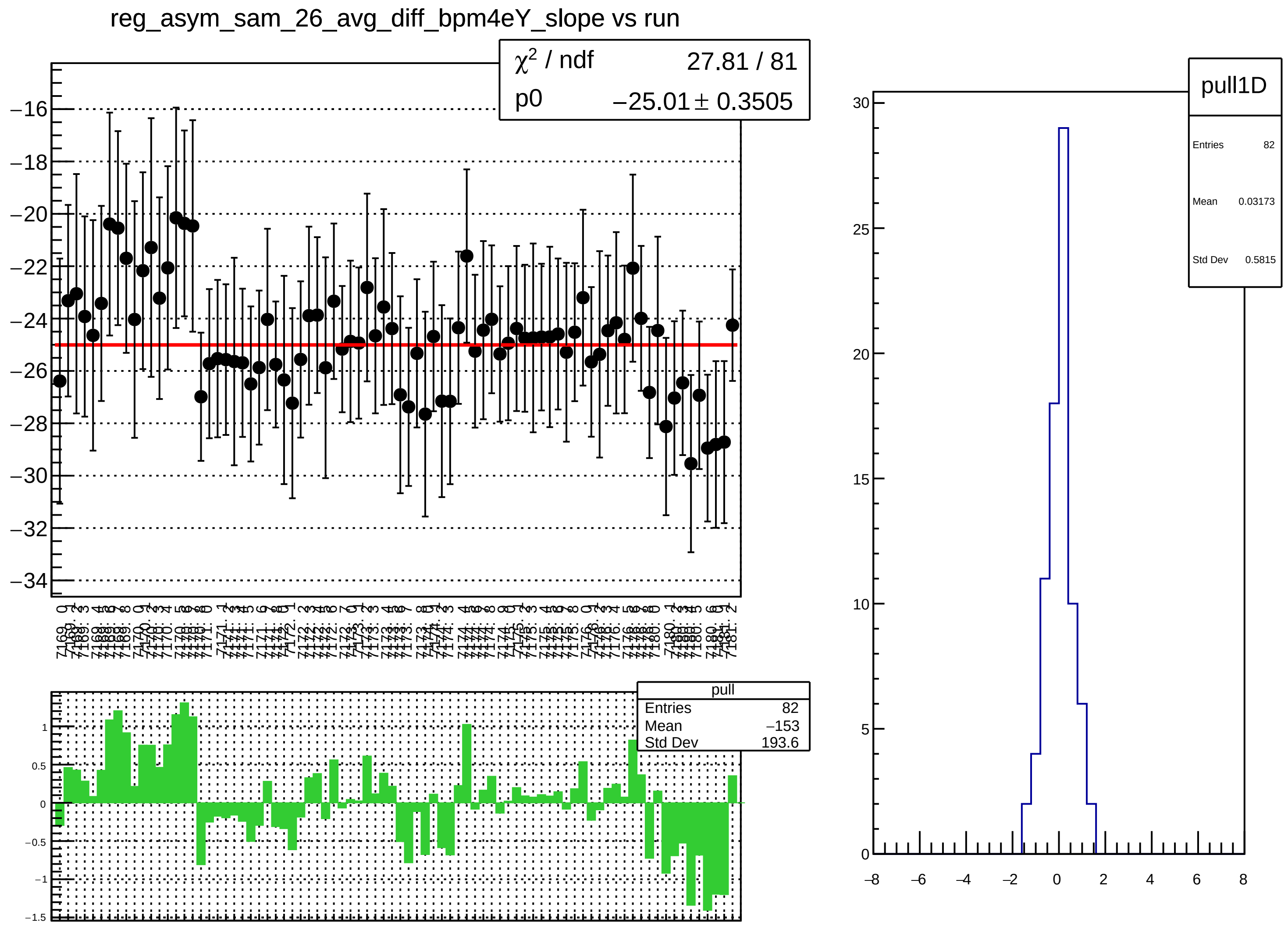
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 22.23 / 81
p0 −6.396 ± 0.4396
pull
Entries 82
Mean −81.28
Std Dev 116.7
pull1D
Entries 82
Mean 0.02454
Std Dev 0.5201



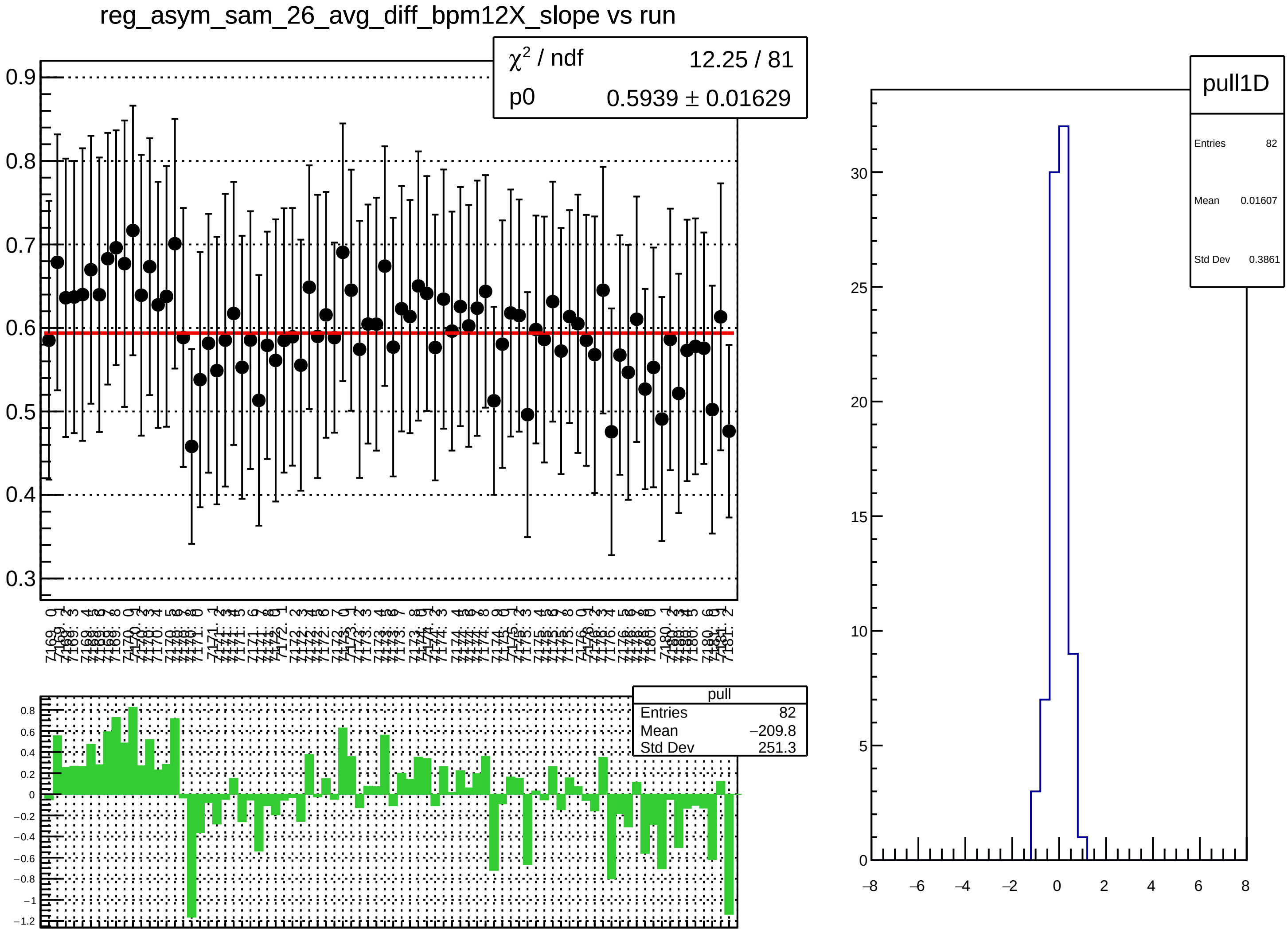
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 14 / 81
p0 5.714 ± 0.3117
pull
Entries 82
Mean −60.17
Std Dev 94.1
pull1D
Entries 82
Mean −0.03855
Std Dev 0.4114



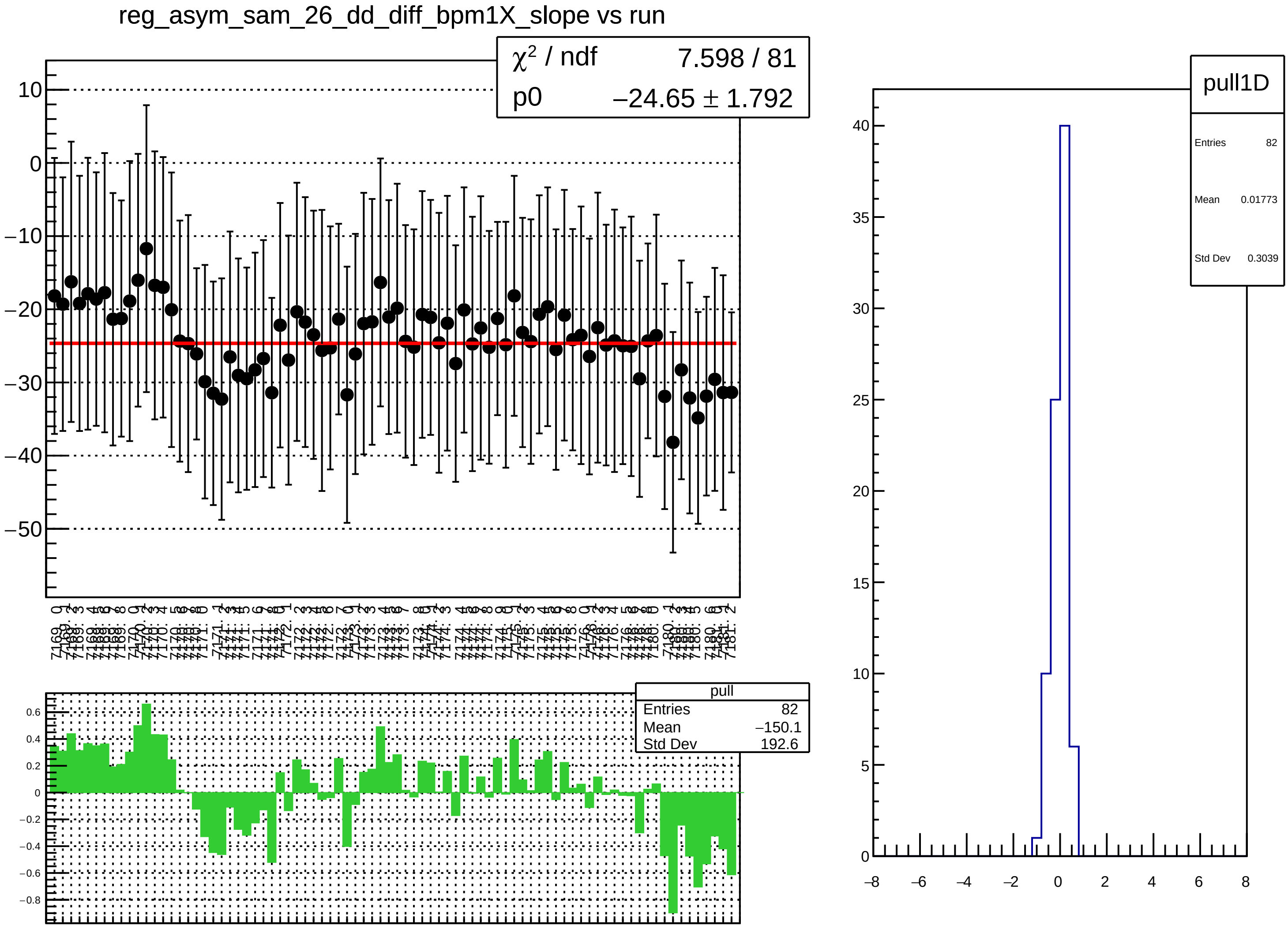
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 29.62 / 81
p0 −31.73 ± 0.4393
pull
Entries 82
Mean −28.54
Std Dev 47.97
pull1D
Entries 82
Mean −0.03633
Std Dev 0.5999



reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 27.81 / 81
p0 −25.01 ± 0.3505
pull
Entries 82
Mean −153
Std Dev 193.6
pull1D
Entries 82
Mean 0.03173
Std Dev 0.5815

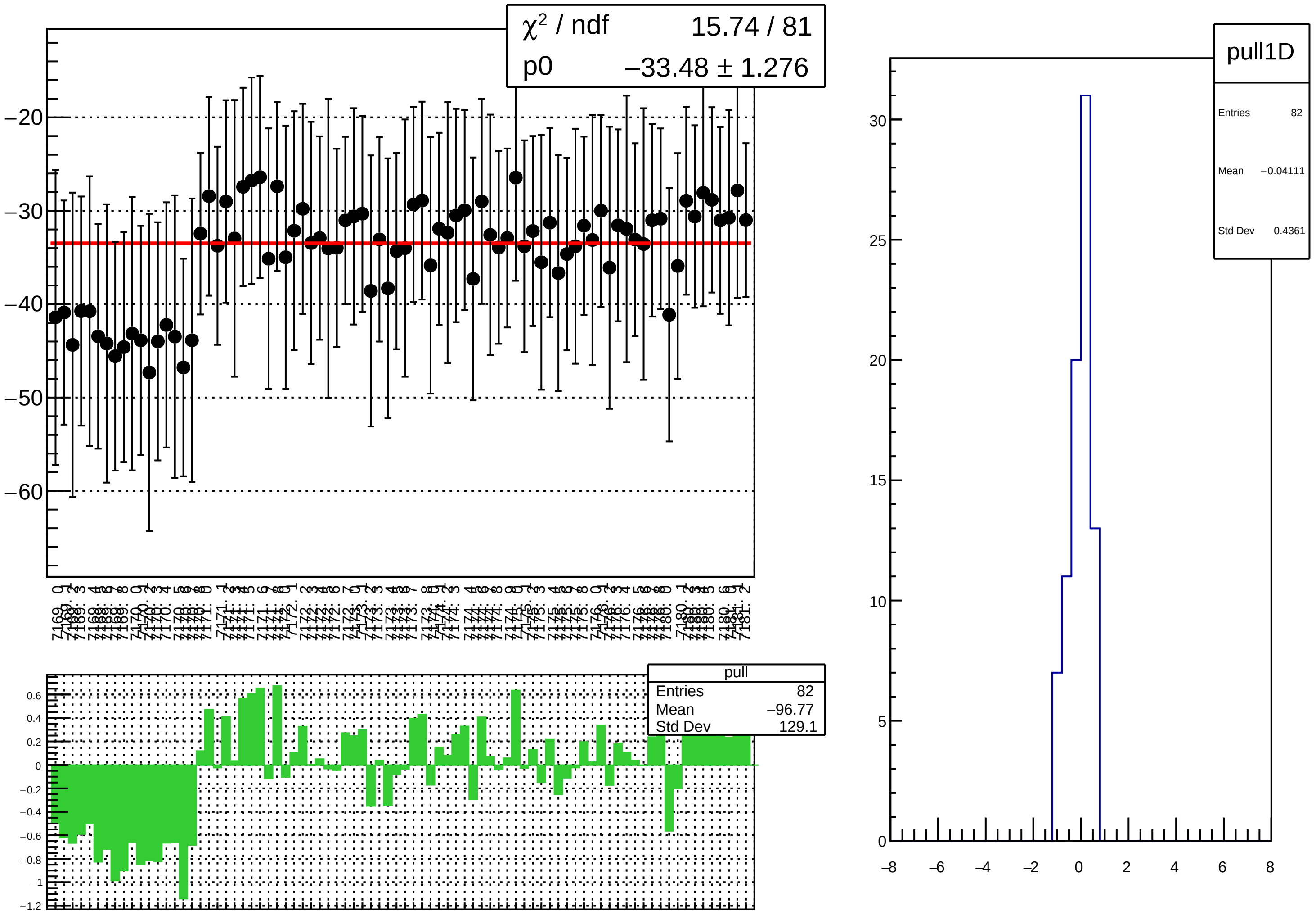


reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 12.25 / 81
p0 0.5939 ± 0.01629
pull
Entries 82
Mean −209.8
Std Dev 251.3
pull1D
Entries 82
Mean 0.01607
Std Dev 0.3861

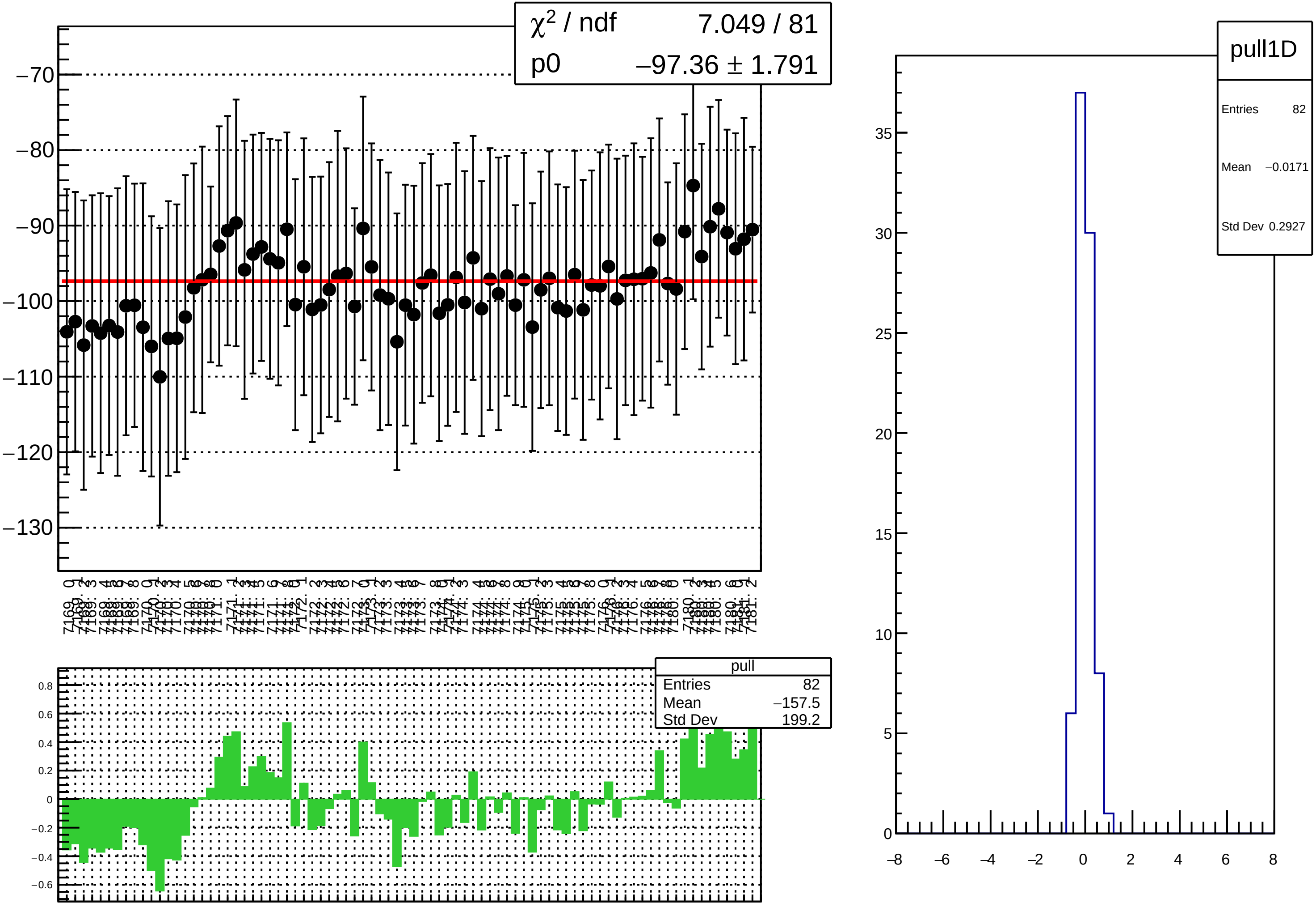


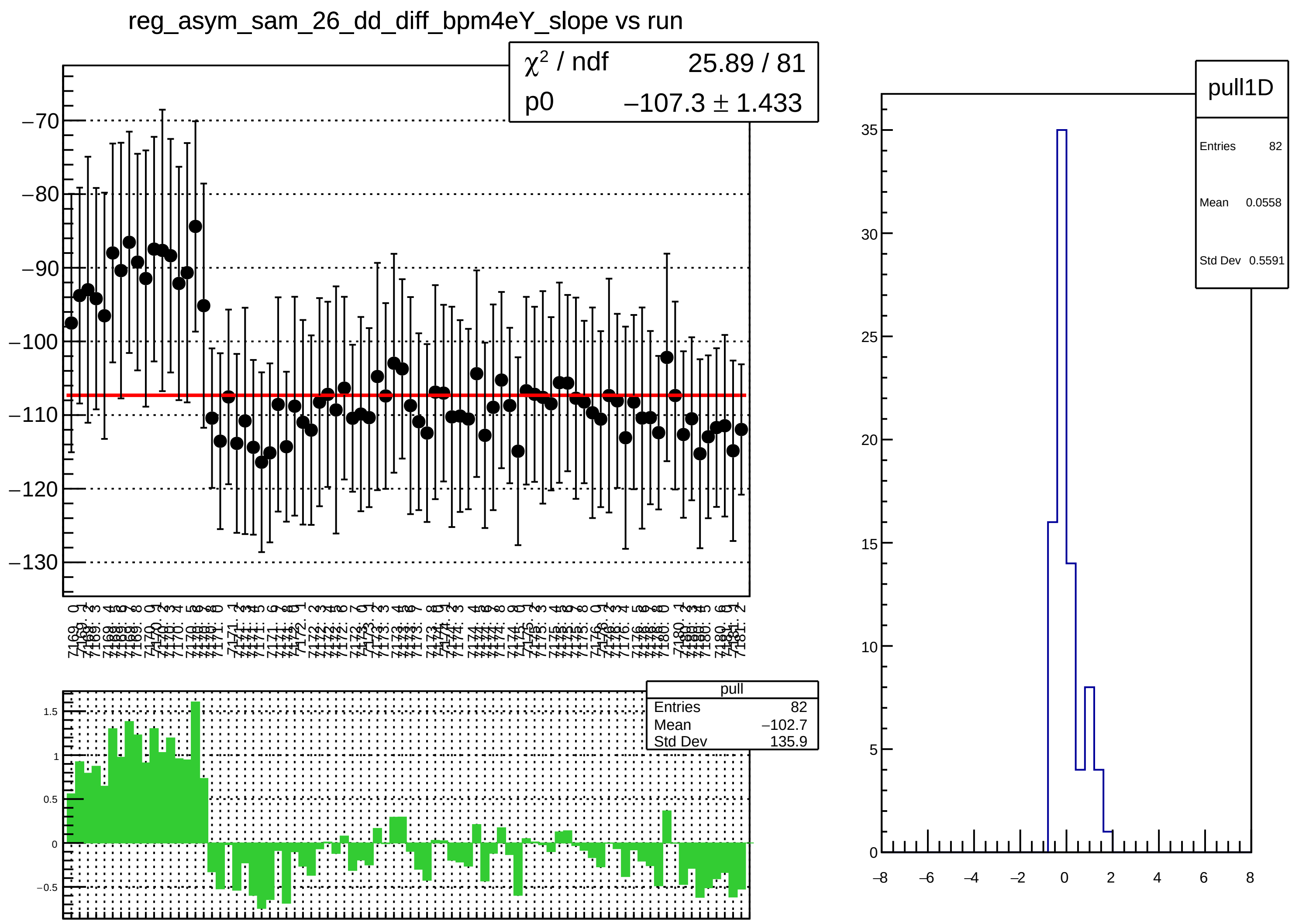
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 7.598 / 81
p0 −24.65 ± 1.792
pull
Entries 82
Mean −150.1
Std Dev 192.6
pull1D
Entries 82
Mean 0.01773
Std Dev 0.3039

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run

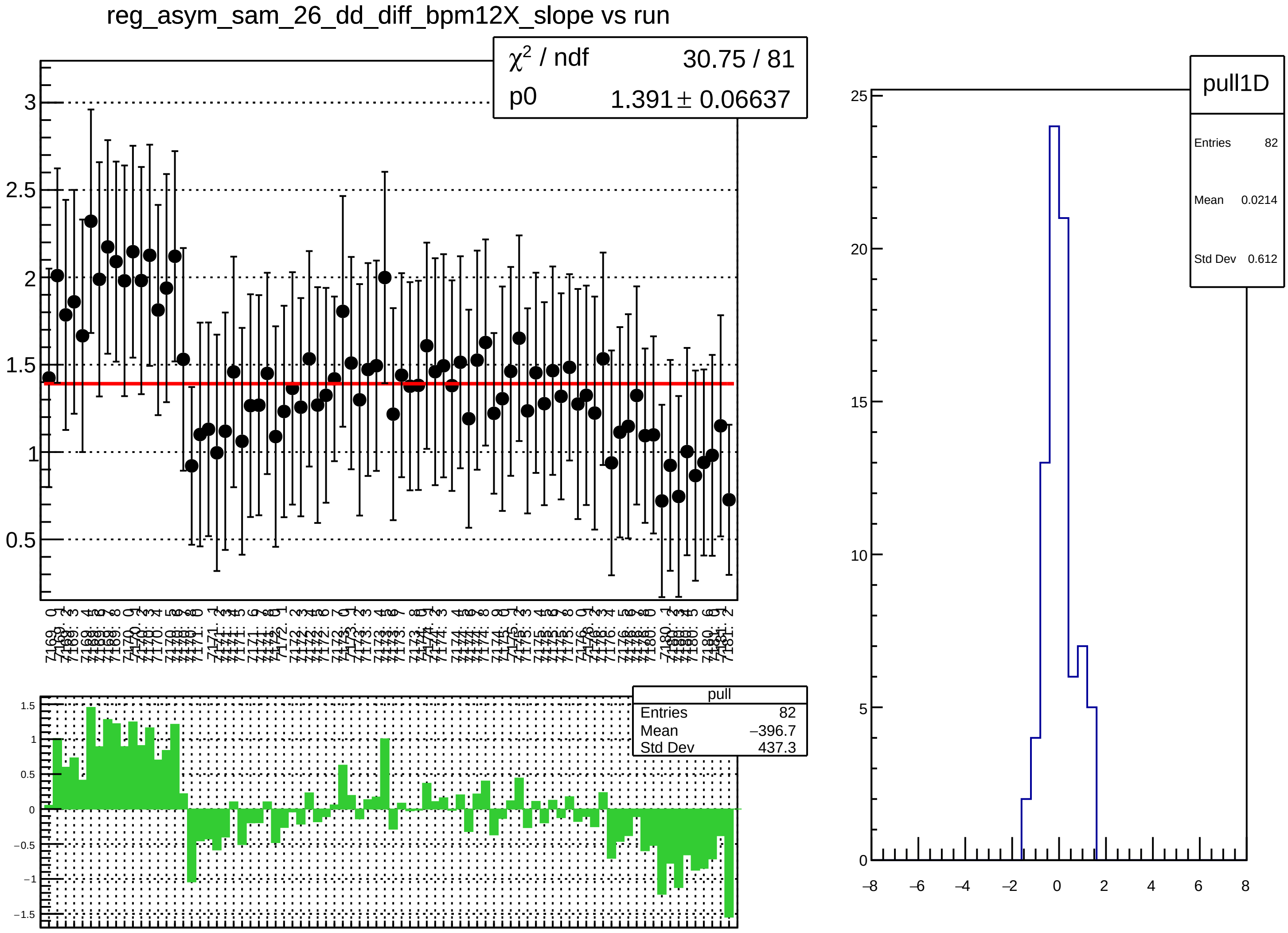


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run

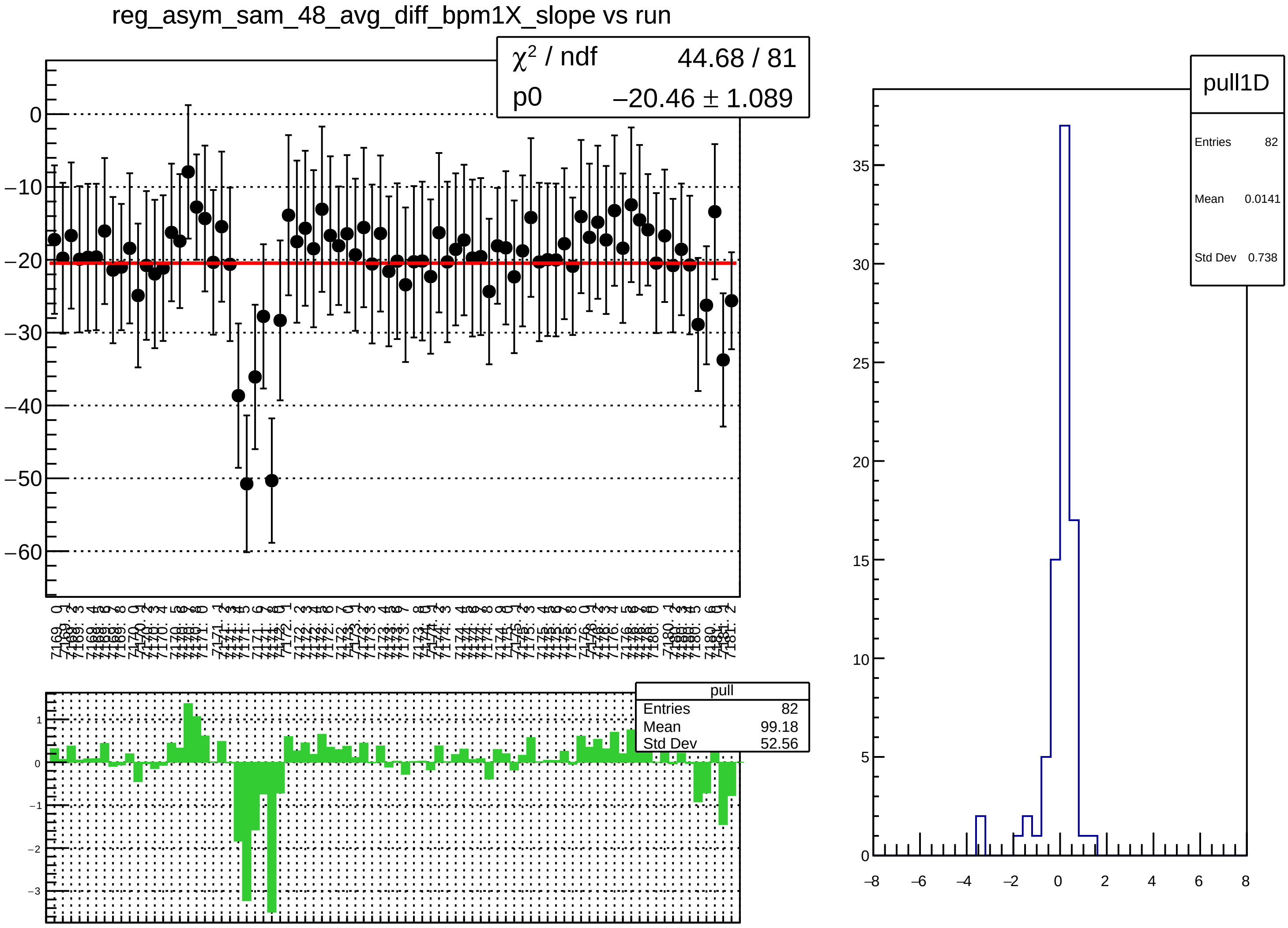




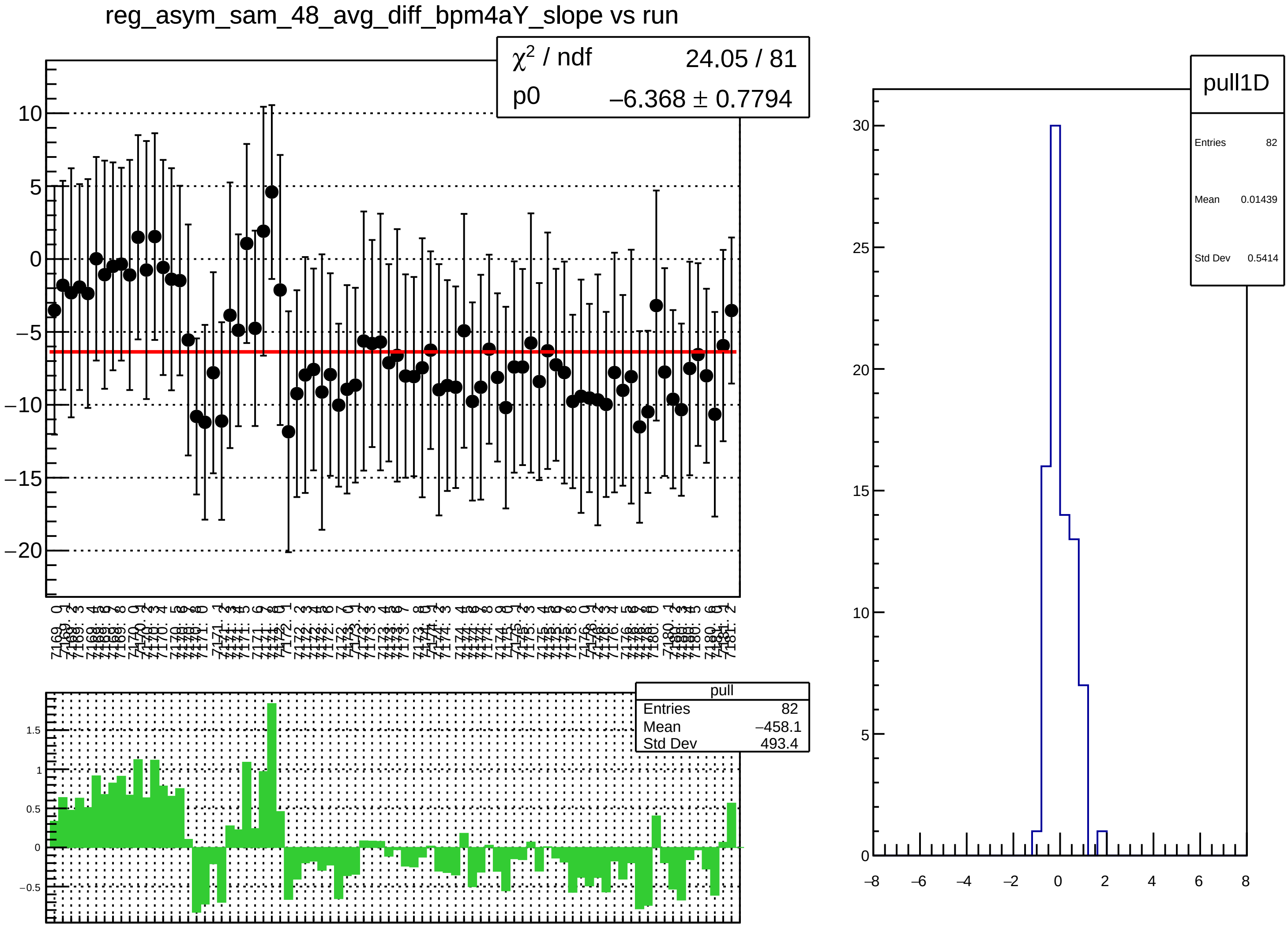
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 25.89 / 81
p0 −107.3 ± 1.433
pull
Entries 82
Mean −102.7
Std Dev 135.9
pull1D
Entries 82
Mean 0.0558
Std Dev 0.5591



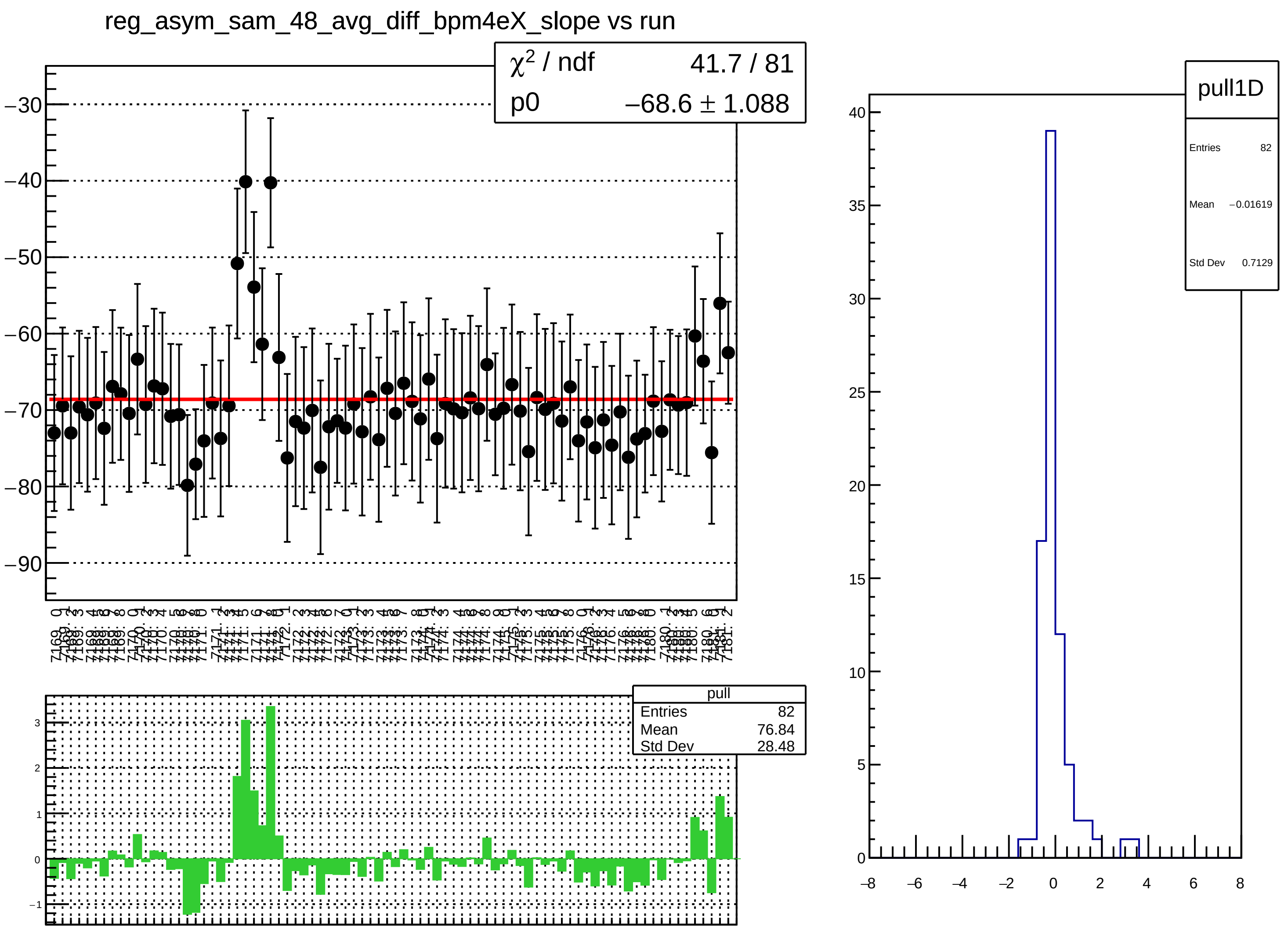
reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.75 / 81
p0 1.391 ± 0.06637
pull
Entries 82
Mean −396.7
Std Dev 437.3
pull1D
Entries 82
Mean 0.0214
Std Dev 0.612



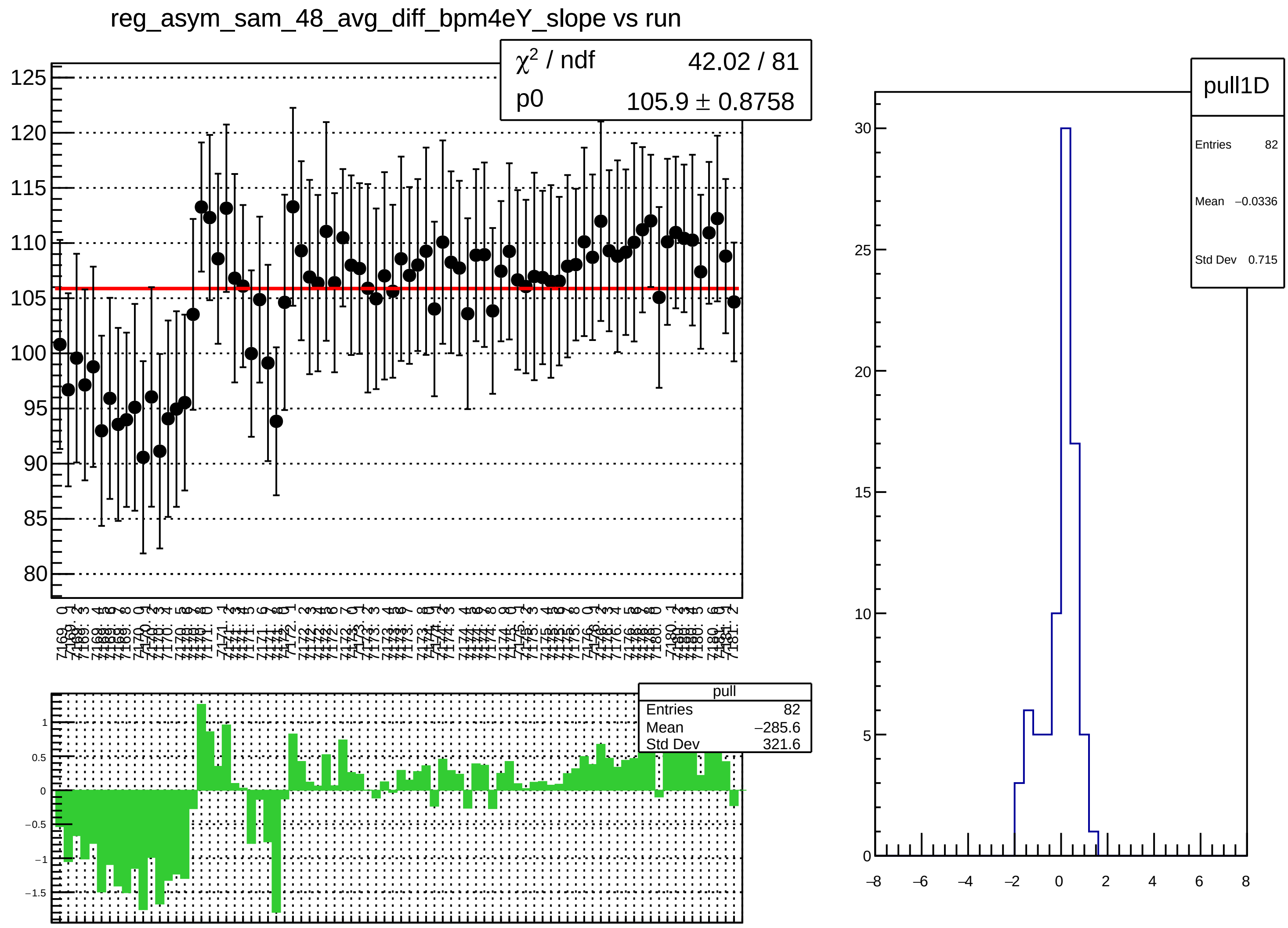
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.68 / 81
p0 −20.46 ± 1.089
pull
Entries 82
Mean 99.18
Std Dev 52.56
pull1D
Entries 82
Mean 0.0141
Std Dev 0.738



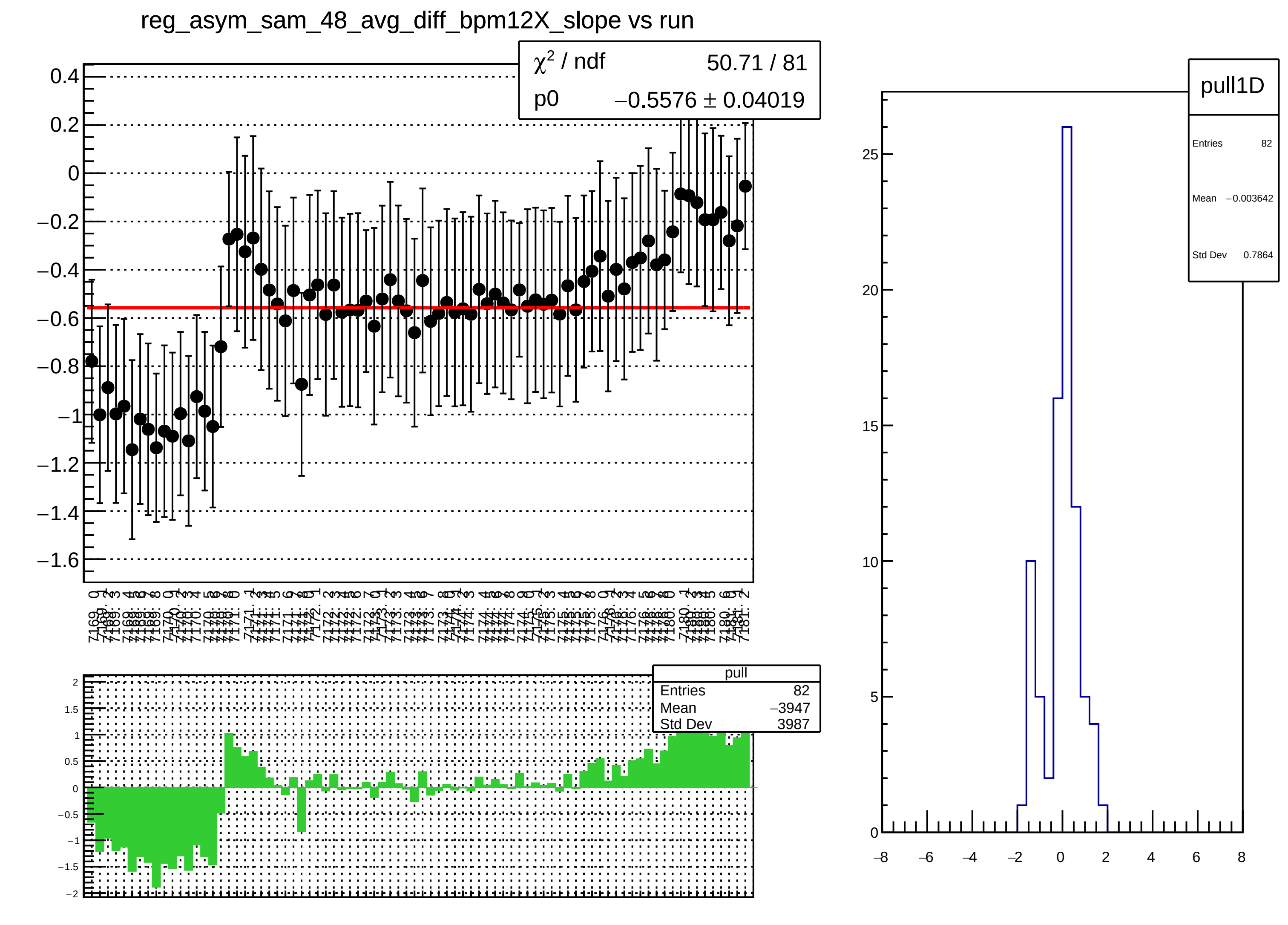
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 24.05 / 81
p0 −6.368 ± 0.7794
pull
Entries 82
Mean −458.1
Std Dev 493.4
pull1D
Entries 82
Mean 0.01439
Std Dev 0.5414



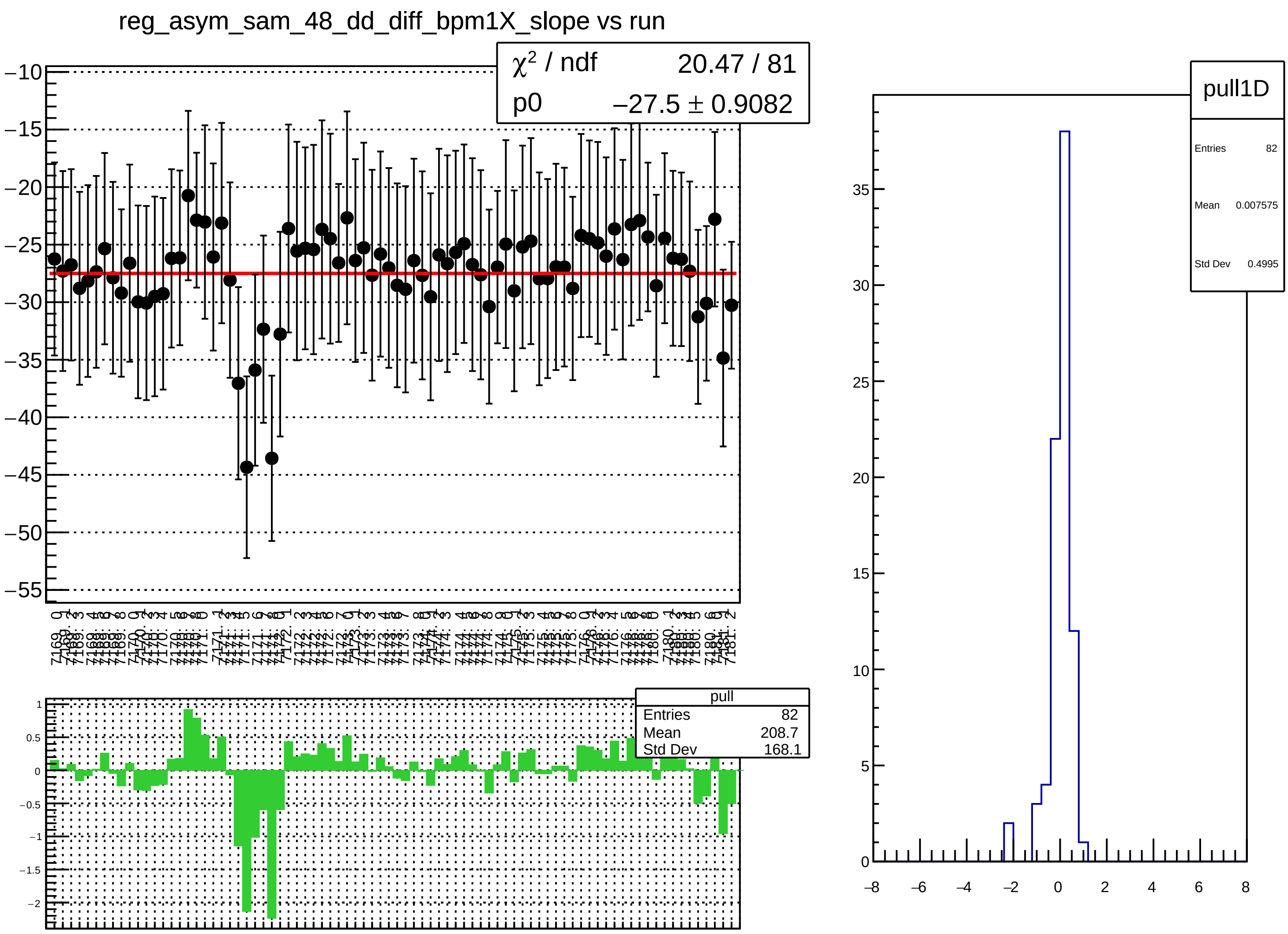
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 41.7 / 81
p0 −68.6 ± 1.088
pull
Entries 82
Mean 76.84
Std Dev 28.48
pull1D
Entries 82
Mean −0.01619
Std Dev 0.7129

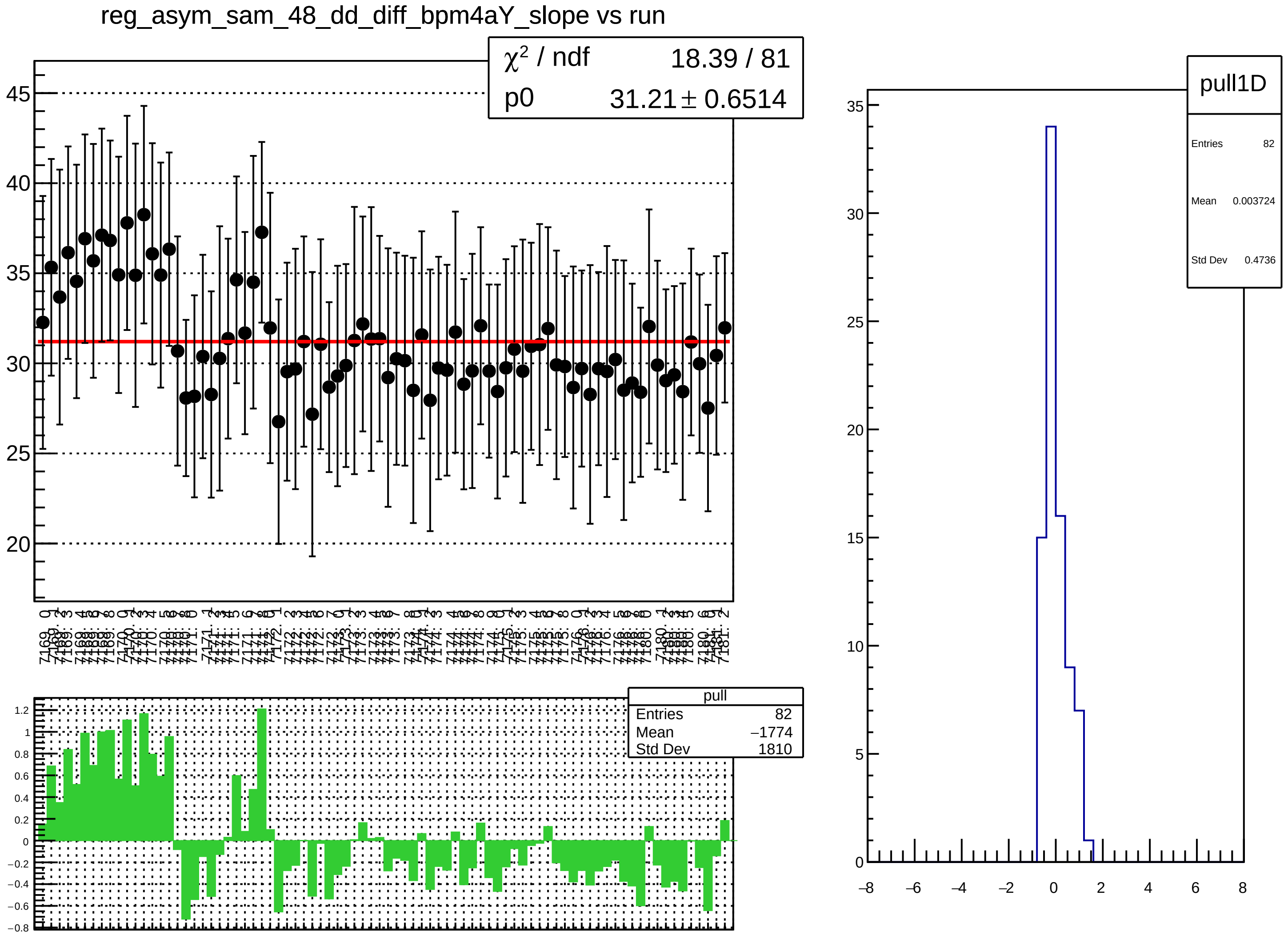


reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 42.02 / 81
p0 105.9 ± 0.8758
pull
Entries 82
Mean −285.6
Std Dev 321.6
pull1D
Entries 82
Mean −0.0336
Std Dev 0.715

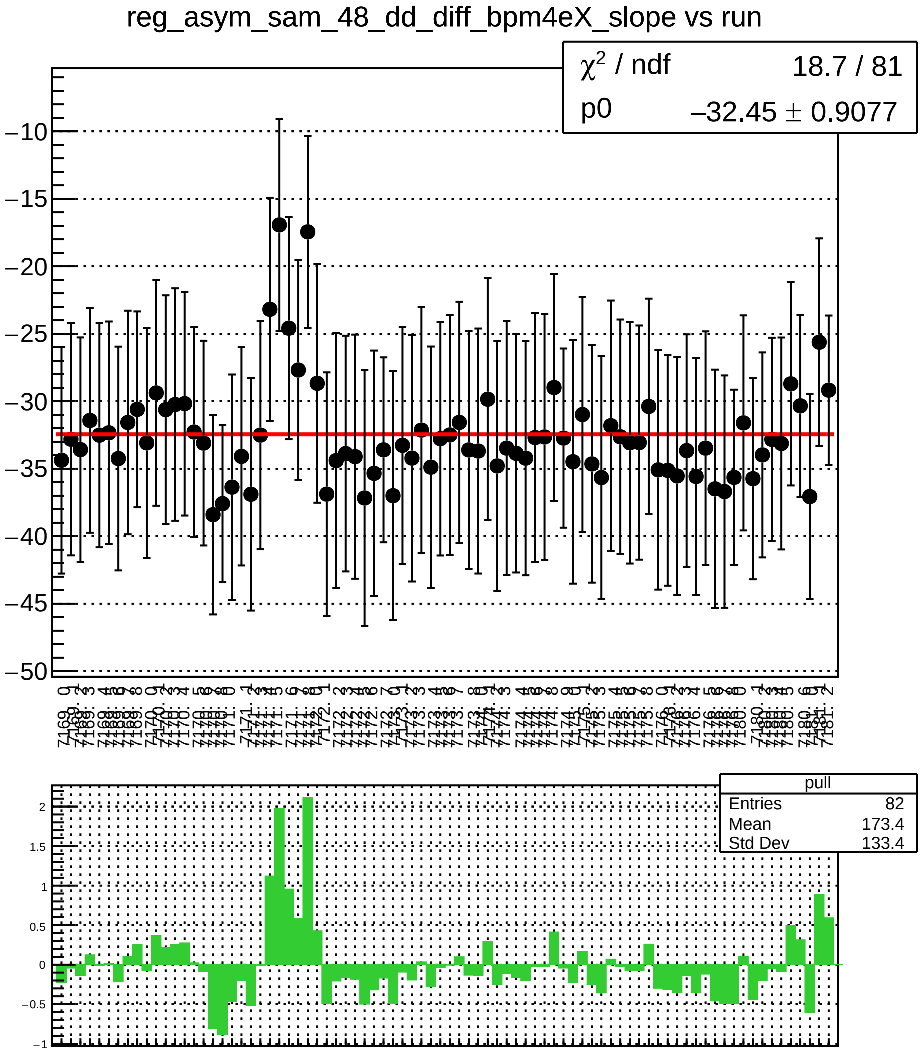


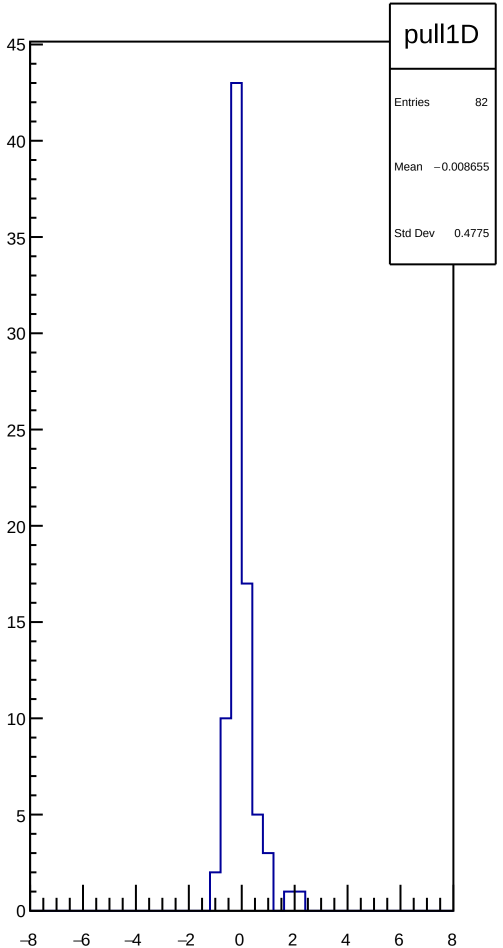
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 50.71 / 81
p0 −0.5576 ± 0.04019
pull
Entries 82
Mean −3947
Std Dev 3987
pull1D
Entries 82
Mean −0.003642
Std Dev 0.7864

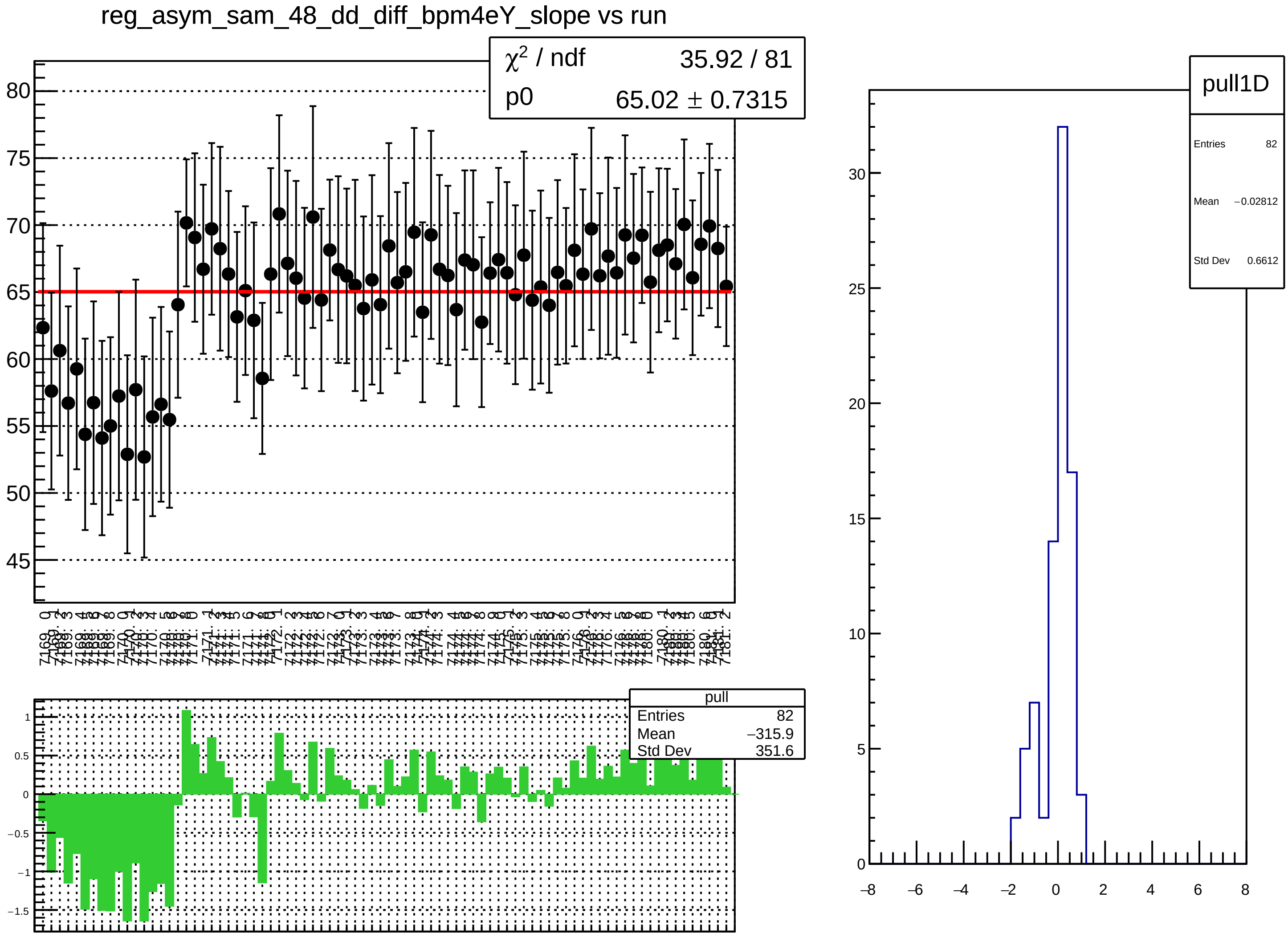

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 20.47 / 81
p0 −27.5 ± 0.9082
pull
Entries 82
Mean 208.7
Std Dev 168.1
pull1D
Entries 82
Mean 0.007575
Std Dev 0.4995



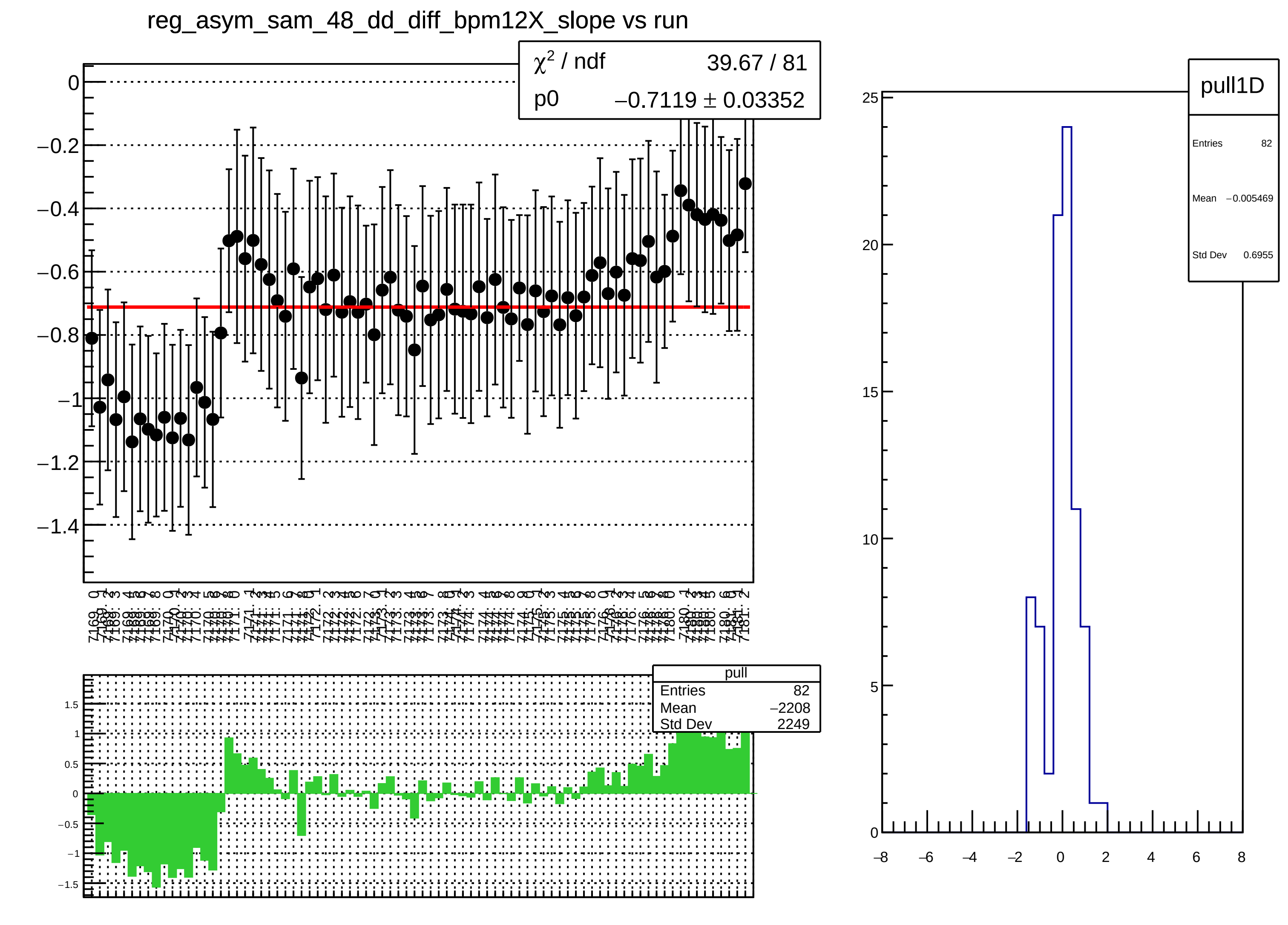
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.39 / 81
p0 31.21 ± 0.6514
pull
Entries 82
Mean −1774
Std Dev 1810
pull1D
Entries 82
Mean 0.003724
Std Dev 0.4736


reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 18.7 / 81
p0 −32.45 ± 0.9077
pull
Entries 82
Mean 173.4
Std Dev 133.4

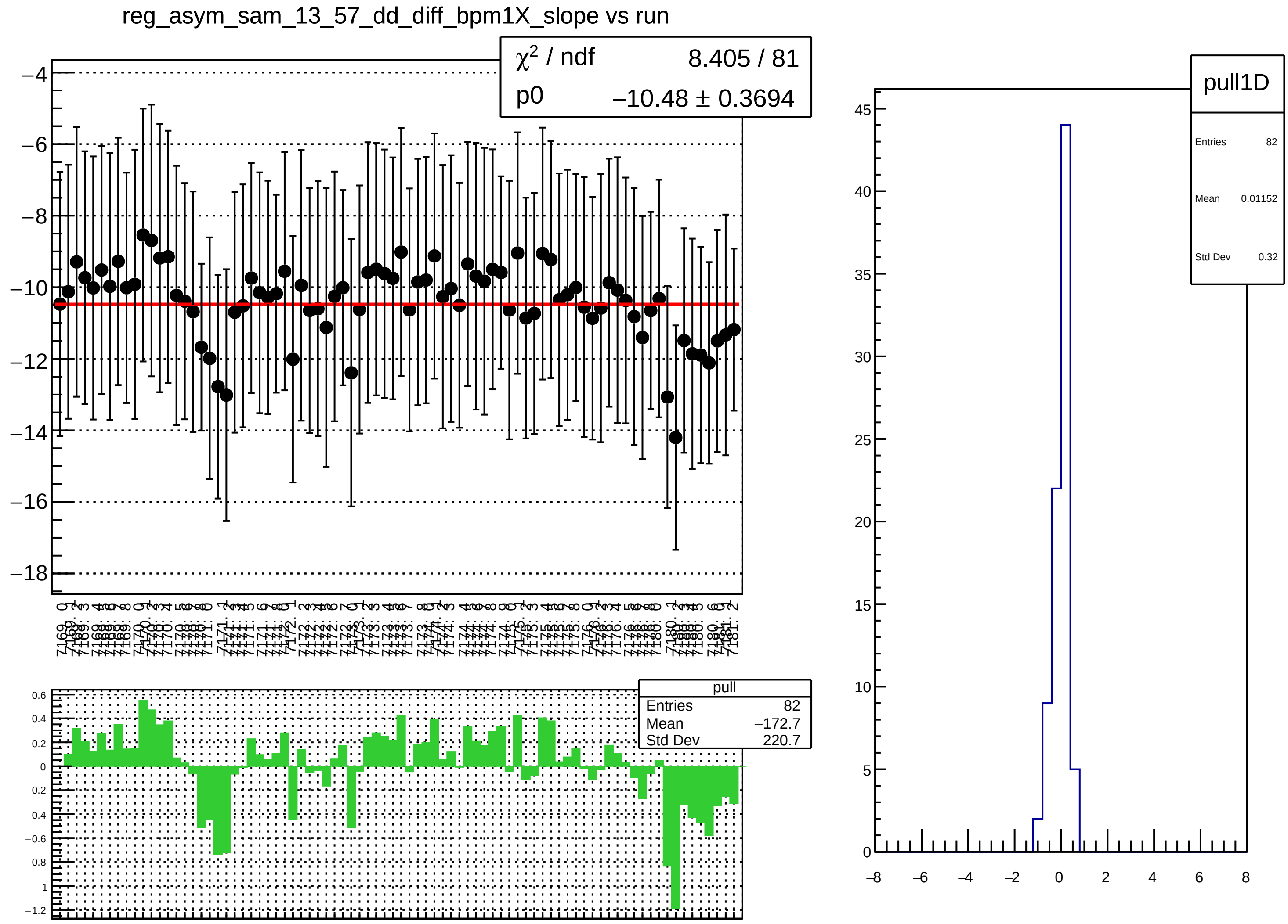

pull1D
Entries 82
Mean −0.008655
Std Dev 0.4775



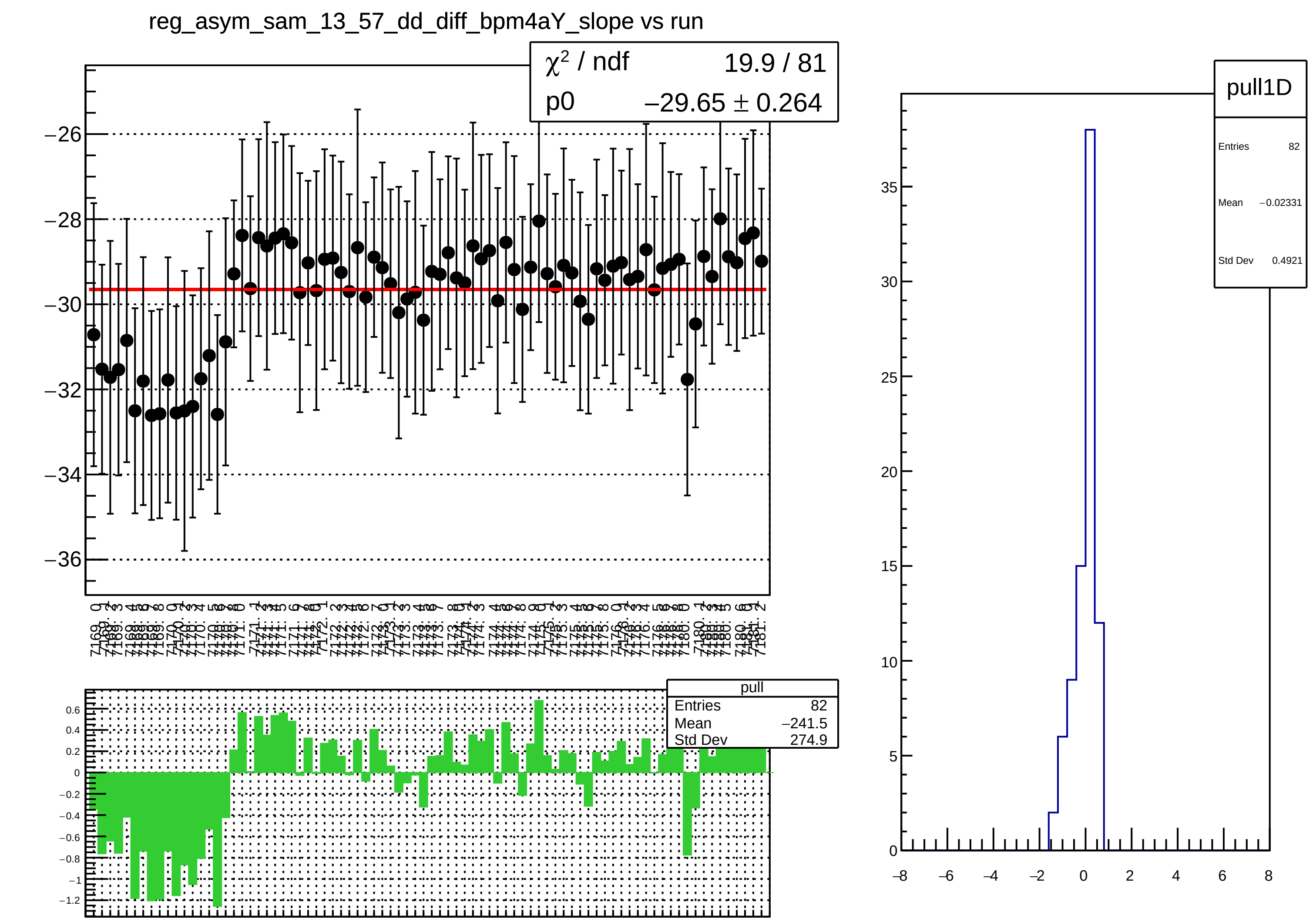
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 35.92 / 81
p0 65.02 ± 0.7315
pull
Entries 82
Mean −315.9
Std Dev 351.6
pull1D
Entries 82
Mean −0.02812
Std Dev 0.6612



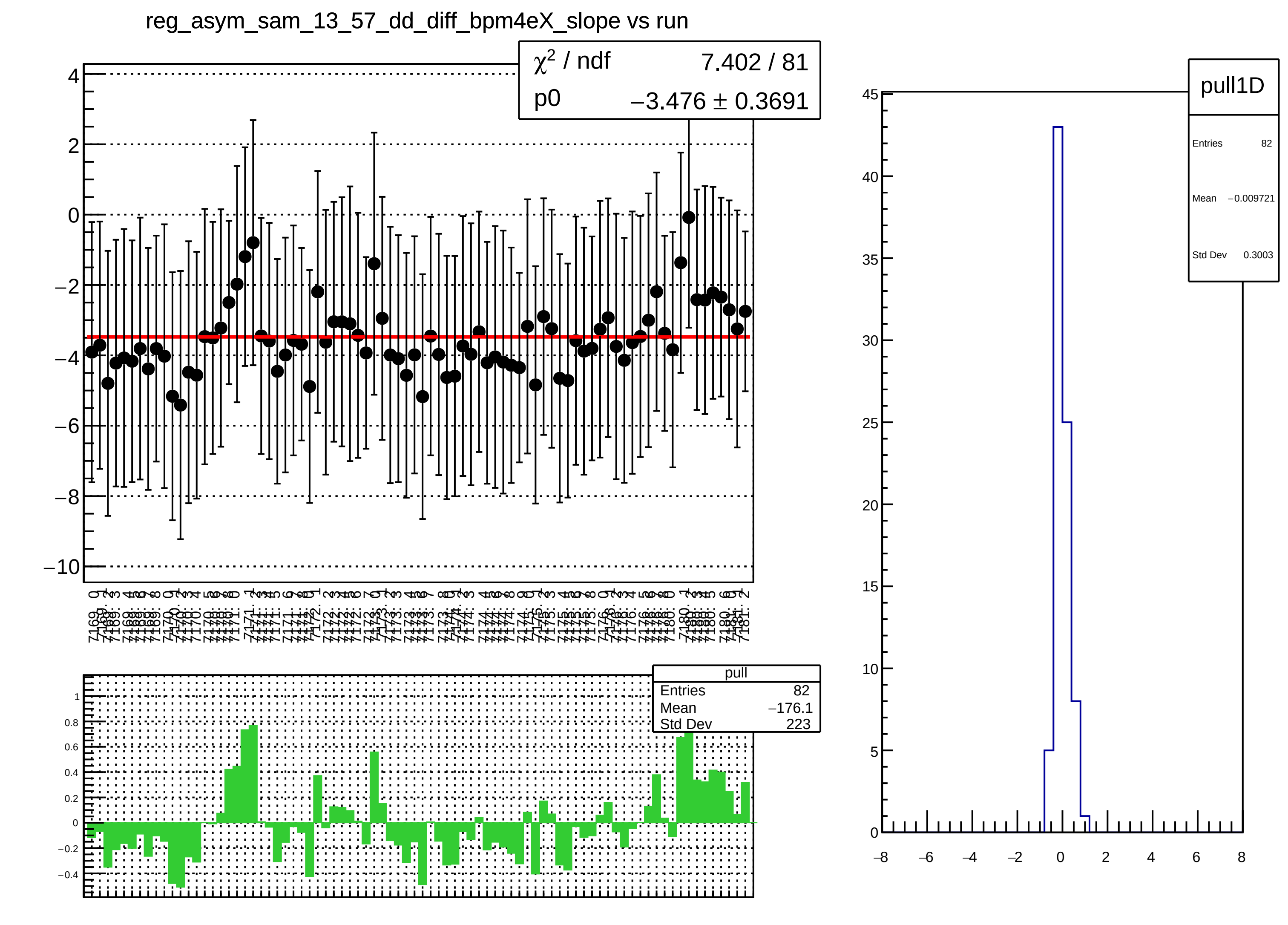
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 39.67 / 81
p0 −0.7119 ± 0.03352
pull
Entries 82
Mean −2208
Std Dev 2249
pull1D
Entries 82
Mean −0.005469
Std Dev 0.6955



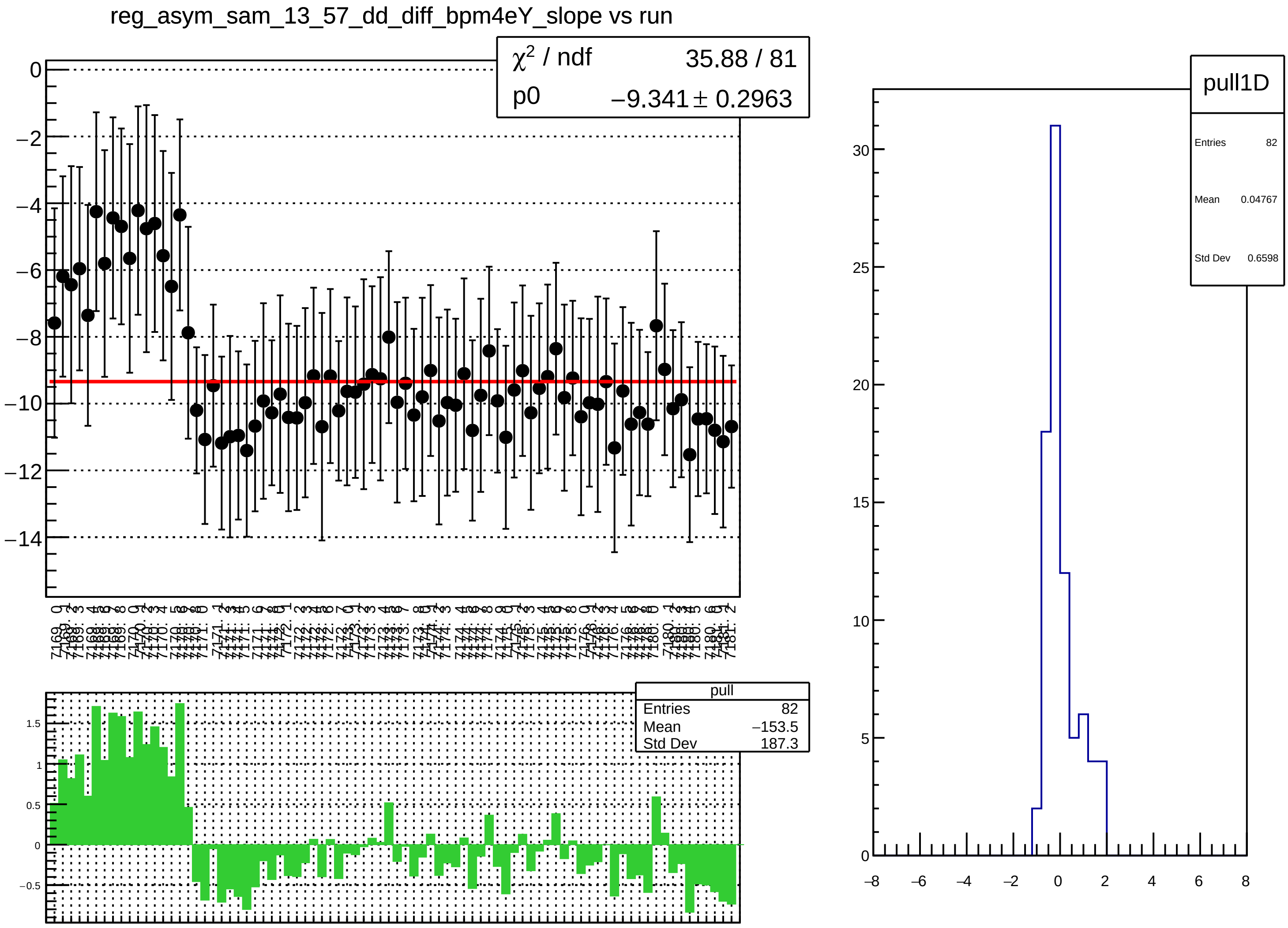
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ2 / ndf 8.405 / 81
p0 −10.48 ± 0.3694
pull
Entries 82
Mean −172.7
Std Dev 220.7
pull1D
Entries 82
Mean 0.01152
Std Dev 0.32

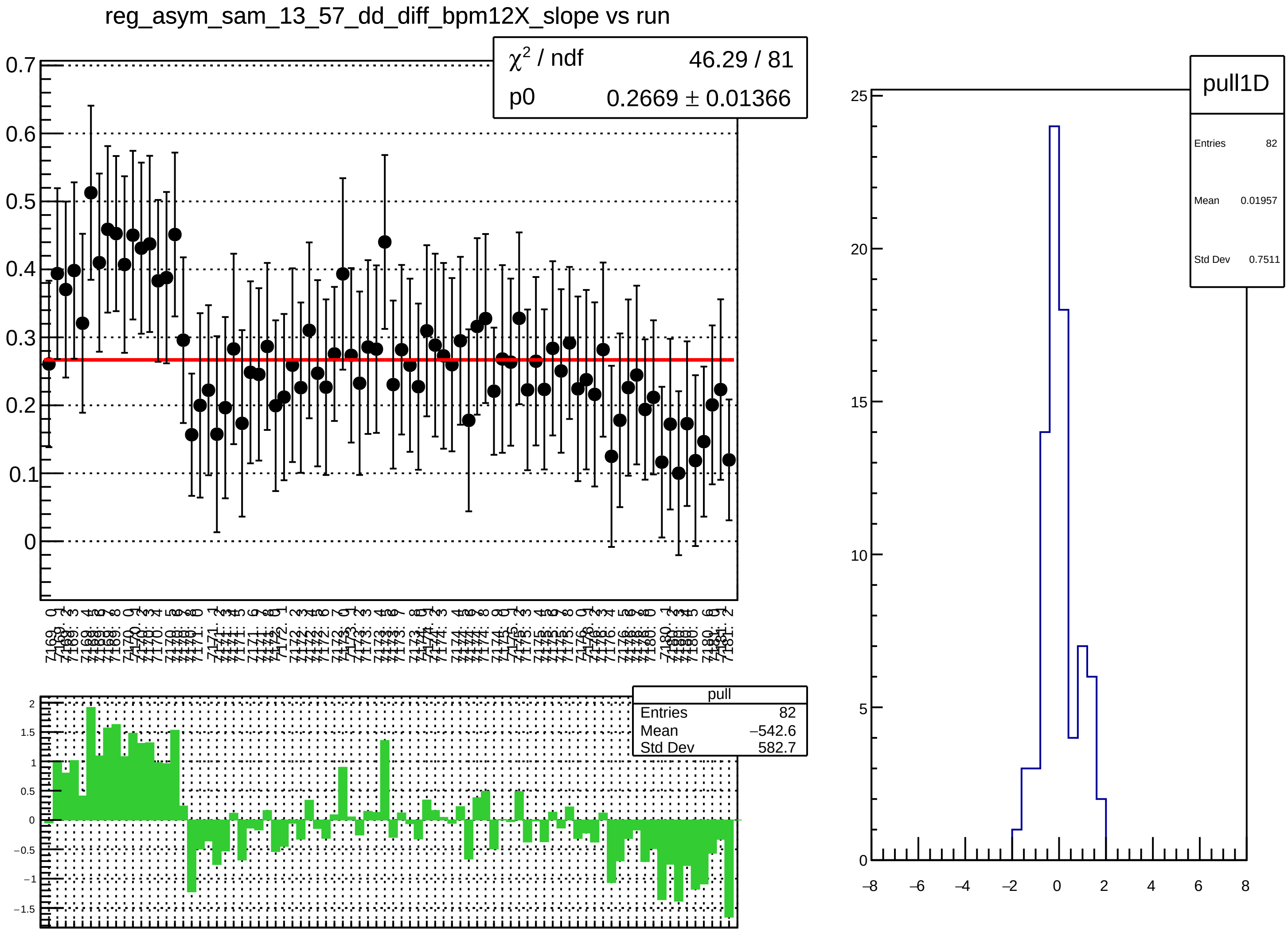


reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ2 / ndf 19.9 / 81
p0 −29.65 ± 0.264
pull
Entries 82
Mean −241.5
Std Dev 274.9
pull1D
Entries 82
Mean −0.02331
Std Dev 0.4921

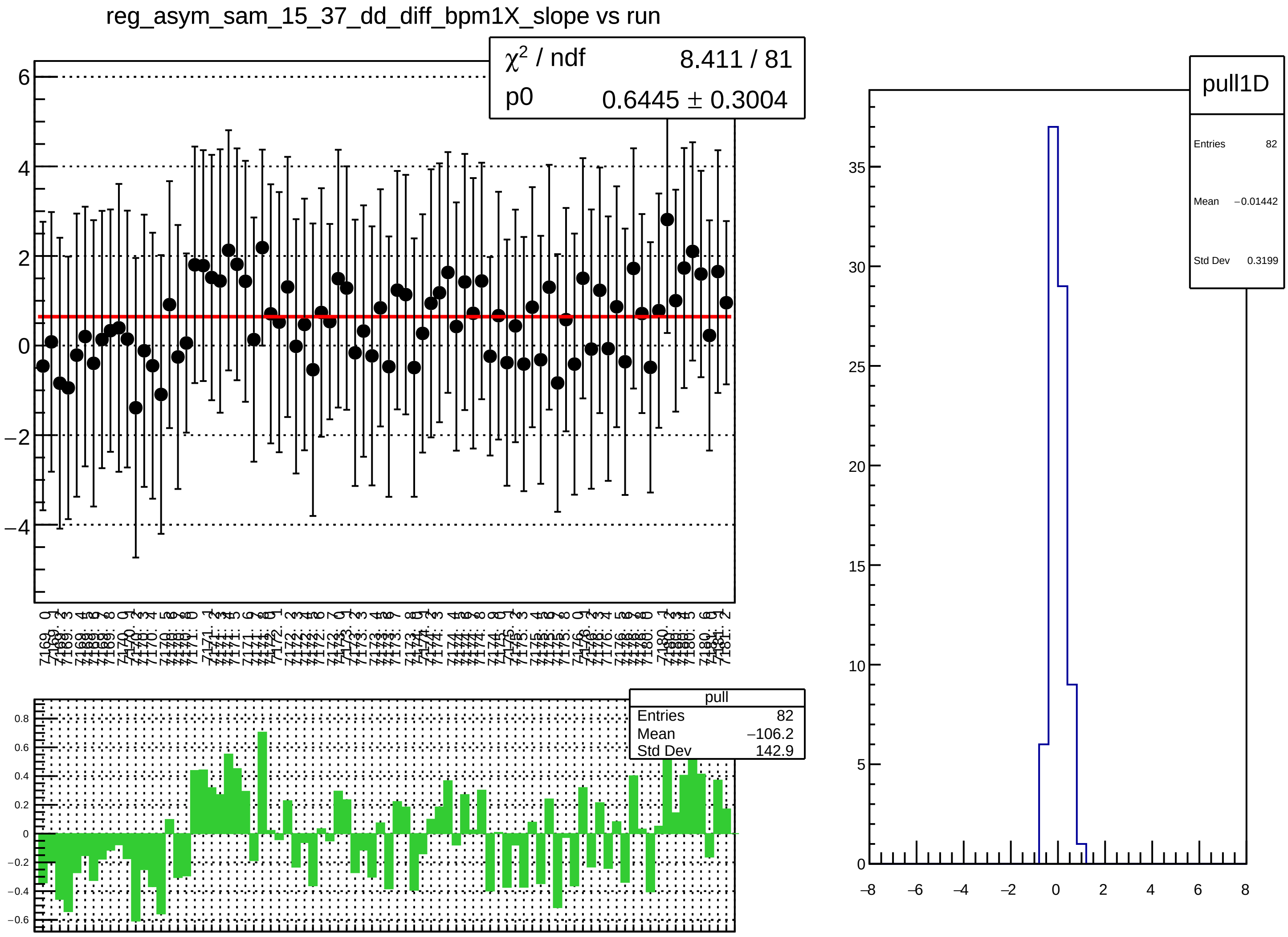


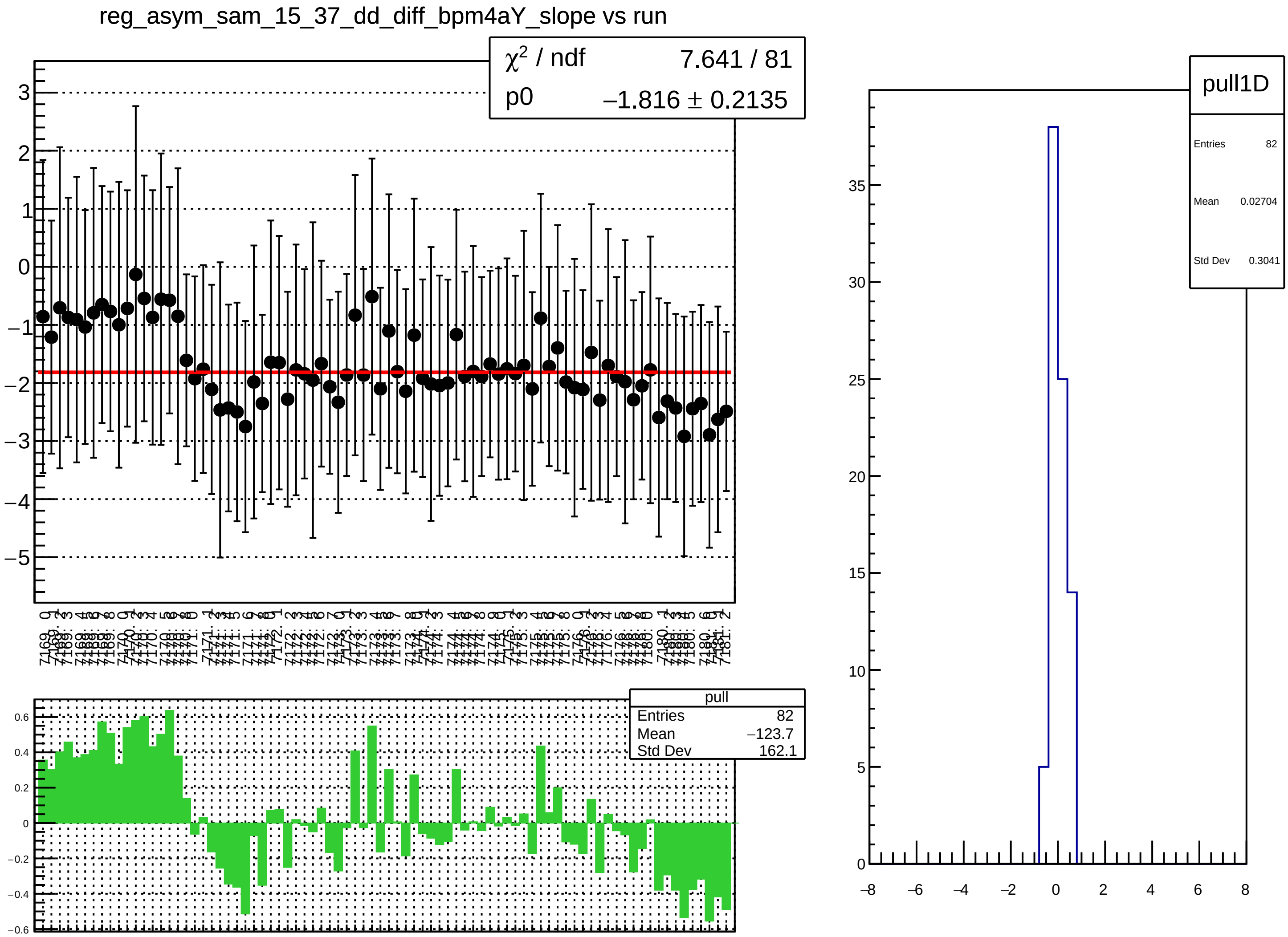
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.402 / 81
p0 −3.476 ± 0.3691
pull
Entries 82
Mean −176.1
Std Dev 223
pull1D
Entries 82
Mean −0.009721
Std Dev 0.3003


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 35.88 / 81
p0 −9.341 ± 0.2963
pull
Entries 82
Mean −153.5
Std Dev 187.3
pull1D
Entries 82
Mean 0.04767
Std Dev 0.6598

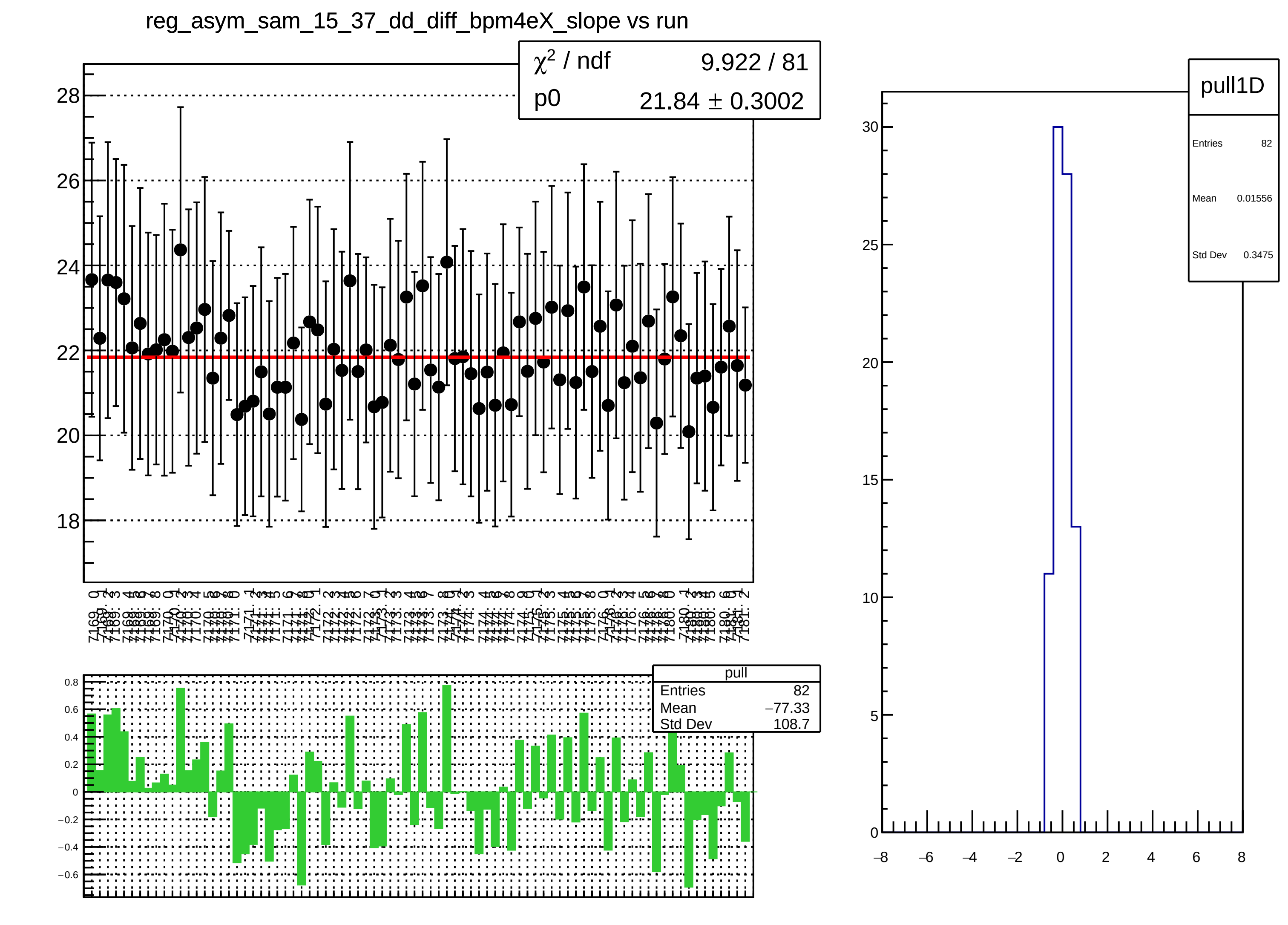


reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 46.29 / 81
p0 0.2669 ± 0.01366
pull
Entries 82
Mean −542.6
Std Dev 582.7
pull1D
Entries 82
Mean 0.01957
Std Dev 0.7511


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 8.411 / 81
p0 0.6445 ± 0.3004
pull
Entries 82
Mean −106.2
Std Dev 142.9
pull1D
Entries 82
Mean −0.01442
Std Dev 0.3199

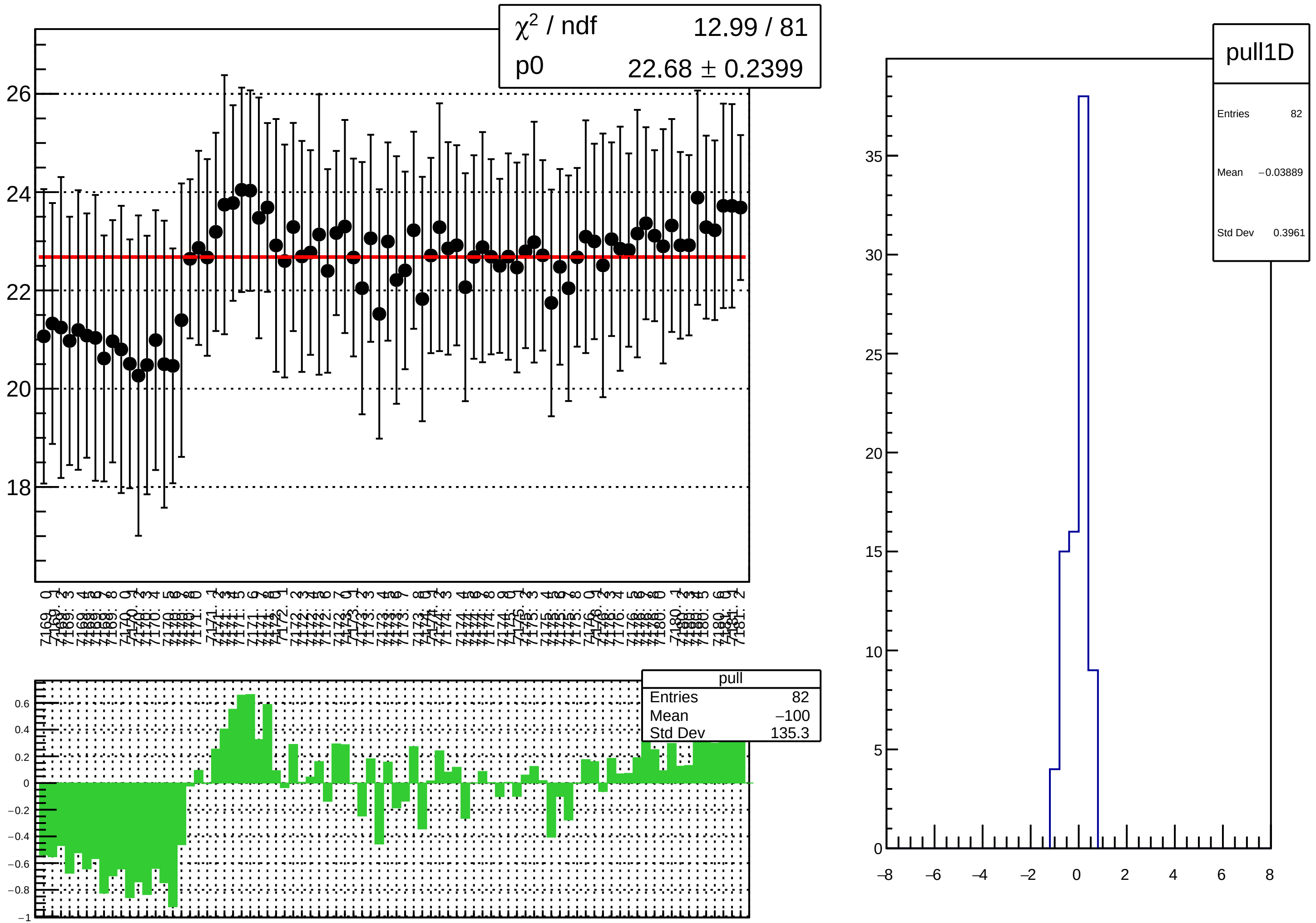


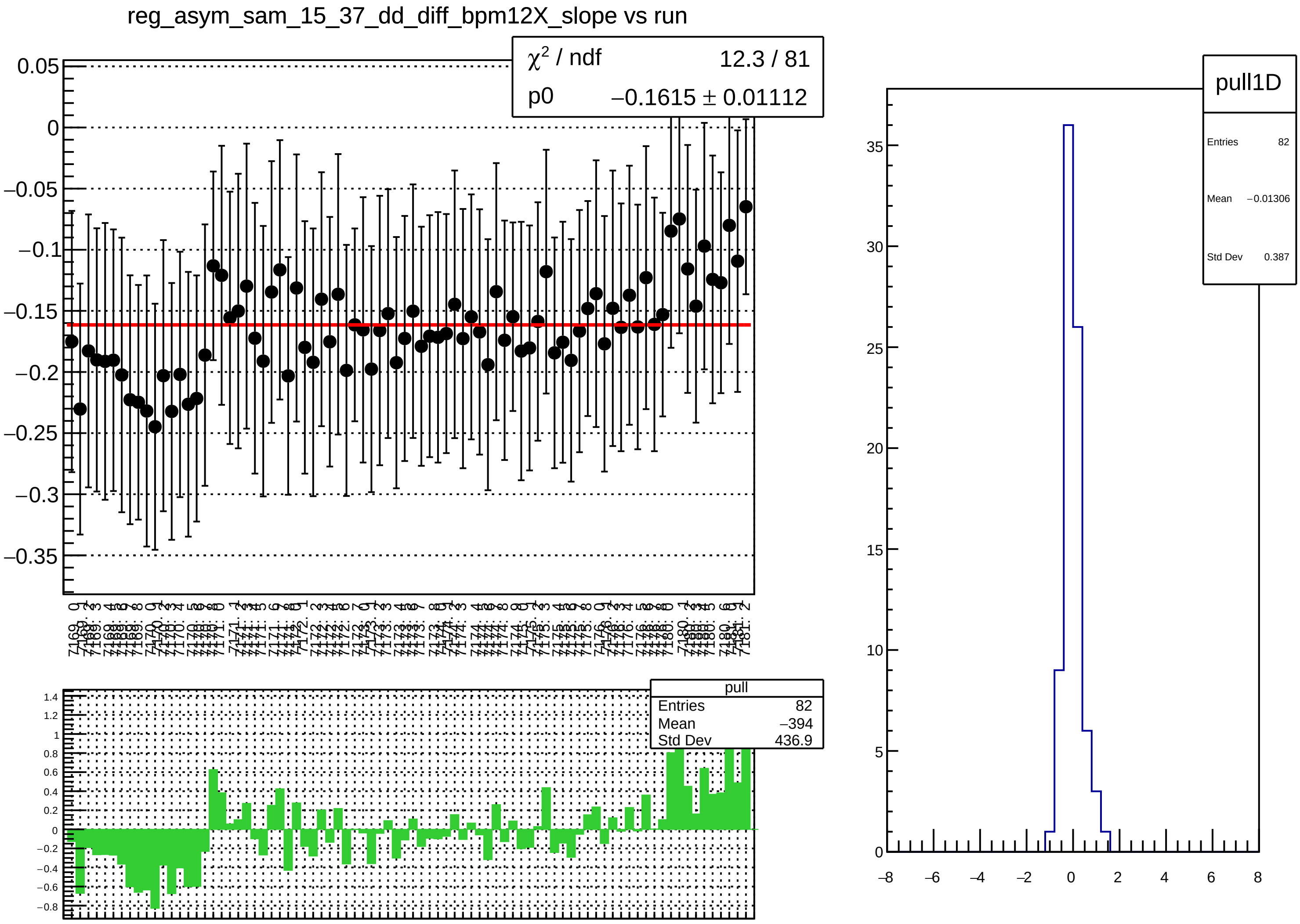
reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.641 / 81
p0 −1.816 ± 0.2135
pull
Entries 82
Mean −123.7
Std Dev 162.1
pull1D
Entries 82
Mean 0.02704
Std Dev 0.3041



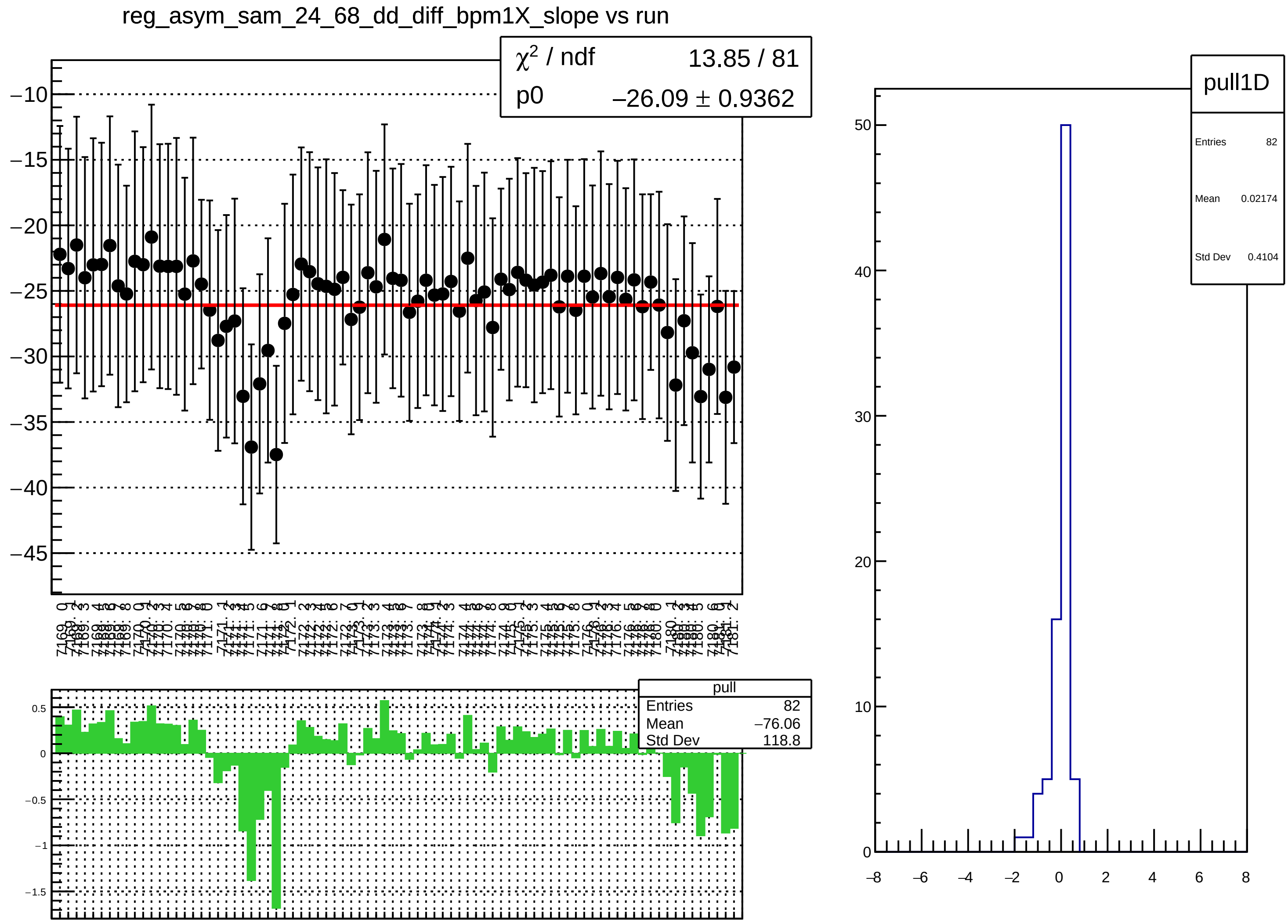
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.922 / 81
p0 21.84 ± 0.3002
pull
Entries 82
Mean −77.33
Std Dev 108.7
pull1D
Entries 82
Mean 0.01556
Std Dev 0.3475

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run



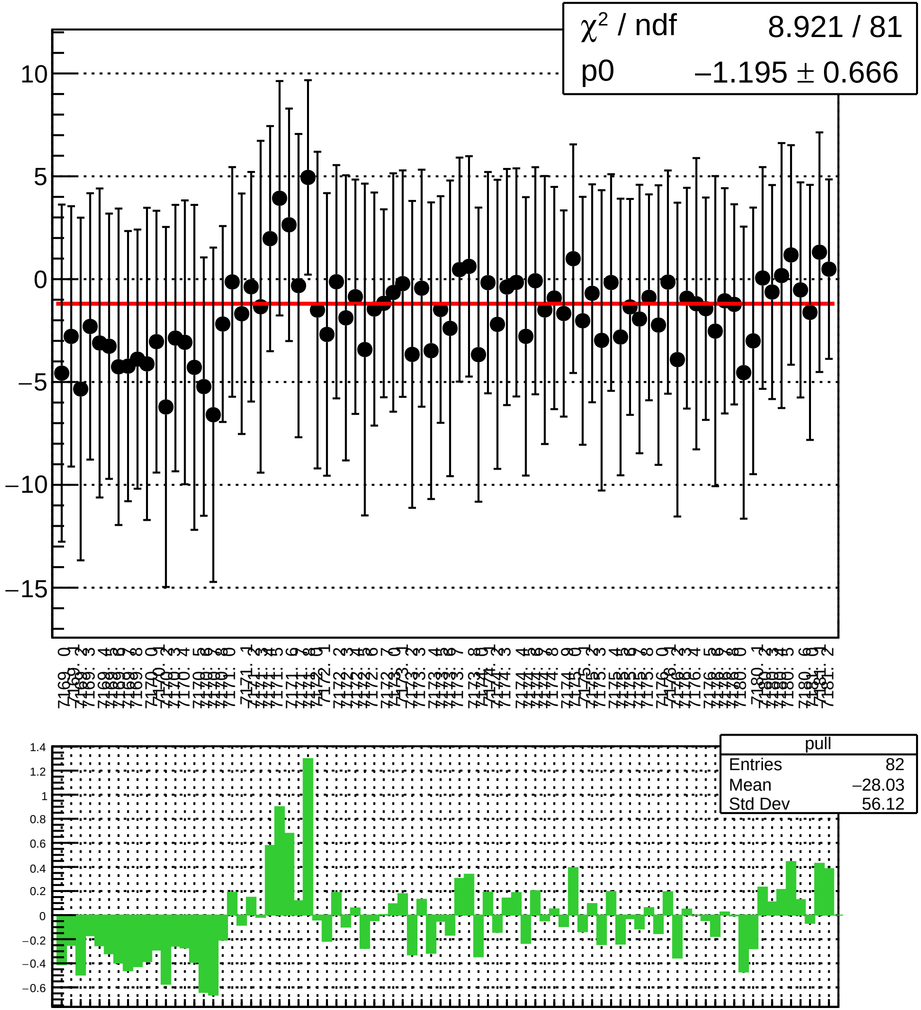


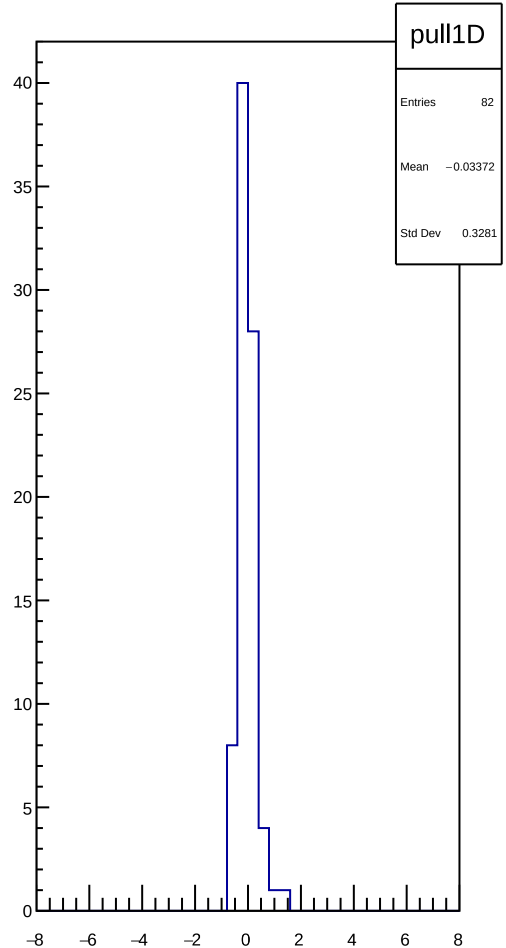
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.3 / 81
p0 −0.1615 ± 0.01112
pull
Entries 82
Mean −394
Std Dev 436.9
pull1D
Entries 82
Mean −0.01306
Std Dev 0.387

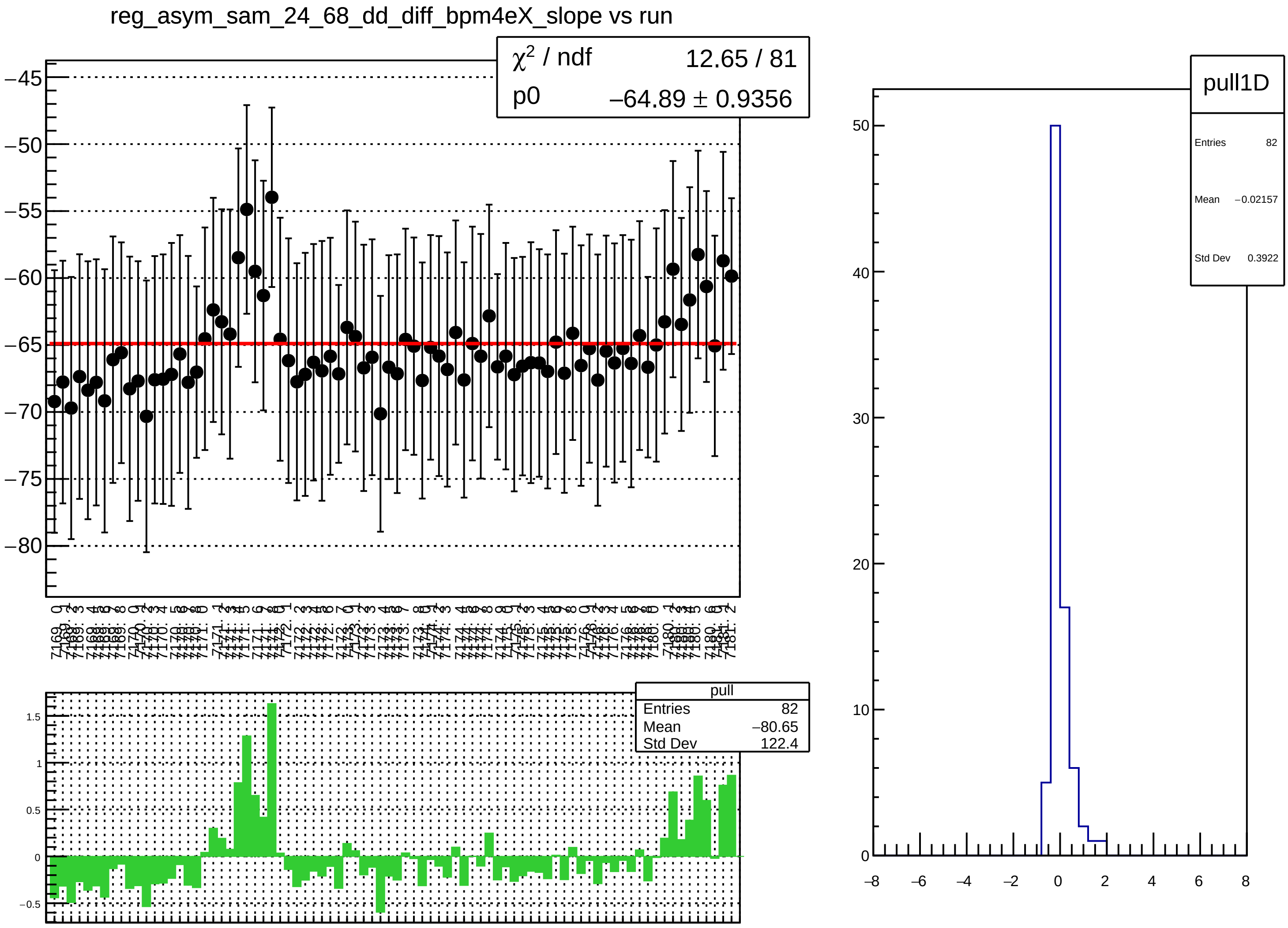


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 13.85 / 81
p0 −26.09 ± 0.9362
pull
Entries 82
Mean −76.06
Std Dev 118.8
pull1D
Entries 82
Mean 0.02174
Std Dev 0.4104

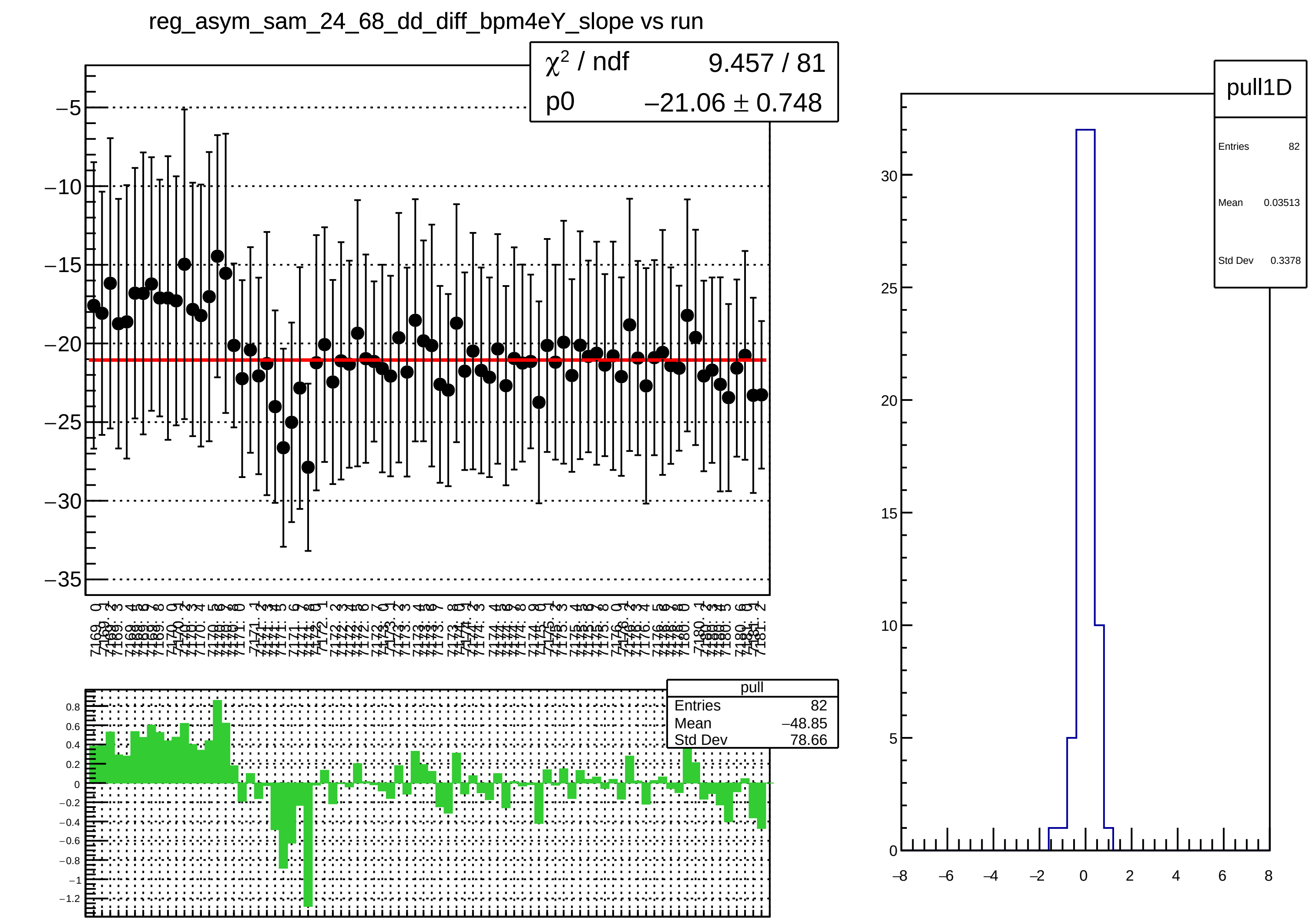
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run



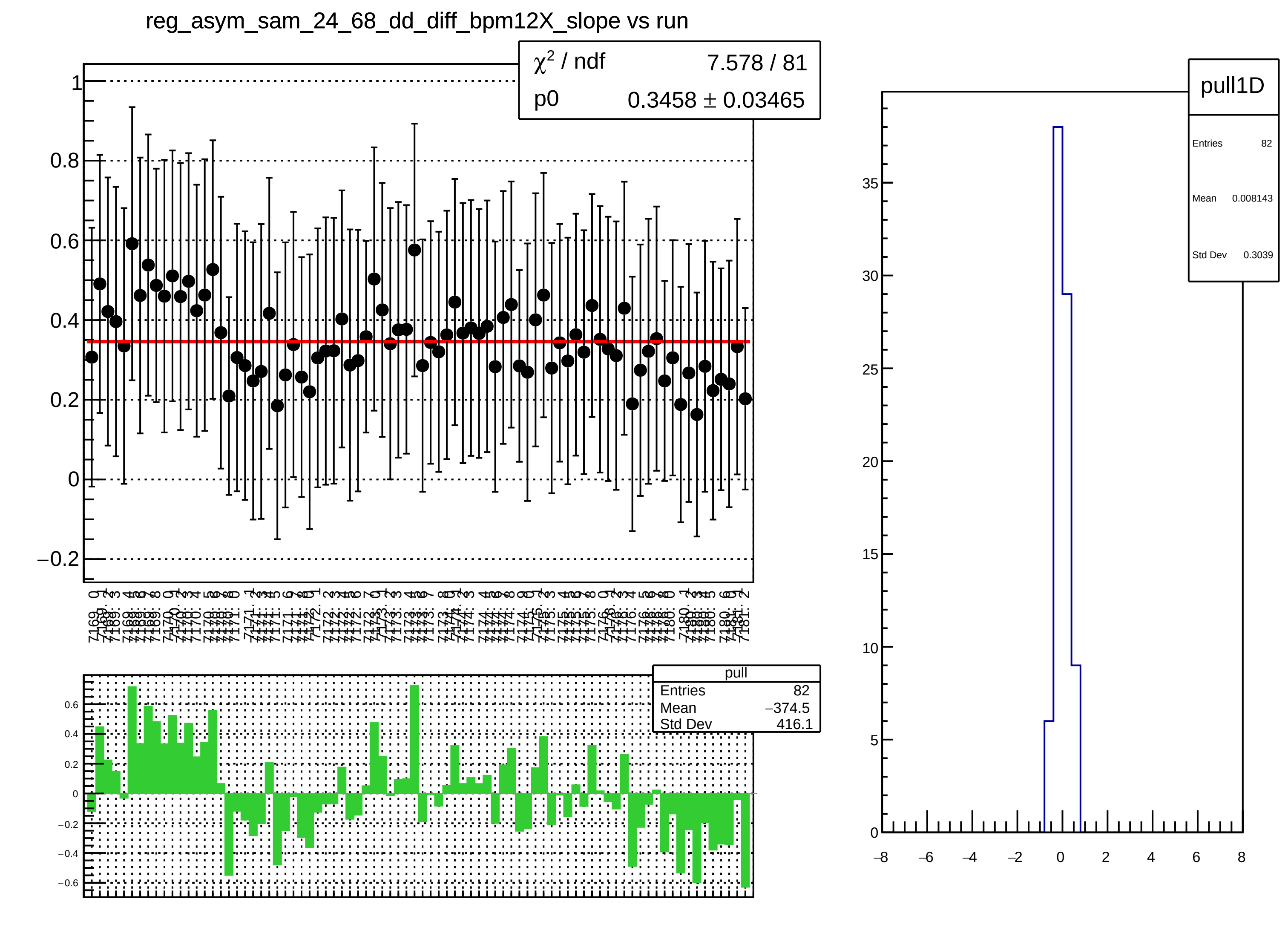




reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.65 / 81
p0 −64.89 ± 0.9356
pull
Entries 82
Mean −80.65
Std Dev 122.4
pull1D
Entries 82
Mean −0.02157
Std Dev 0.3922

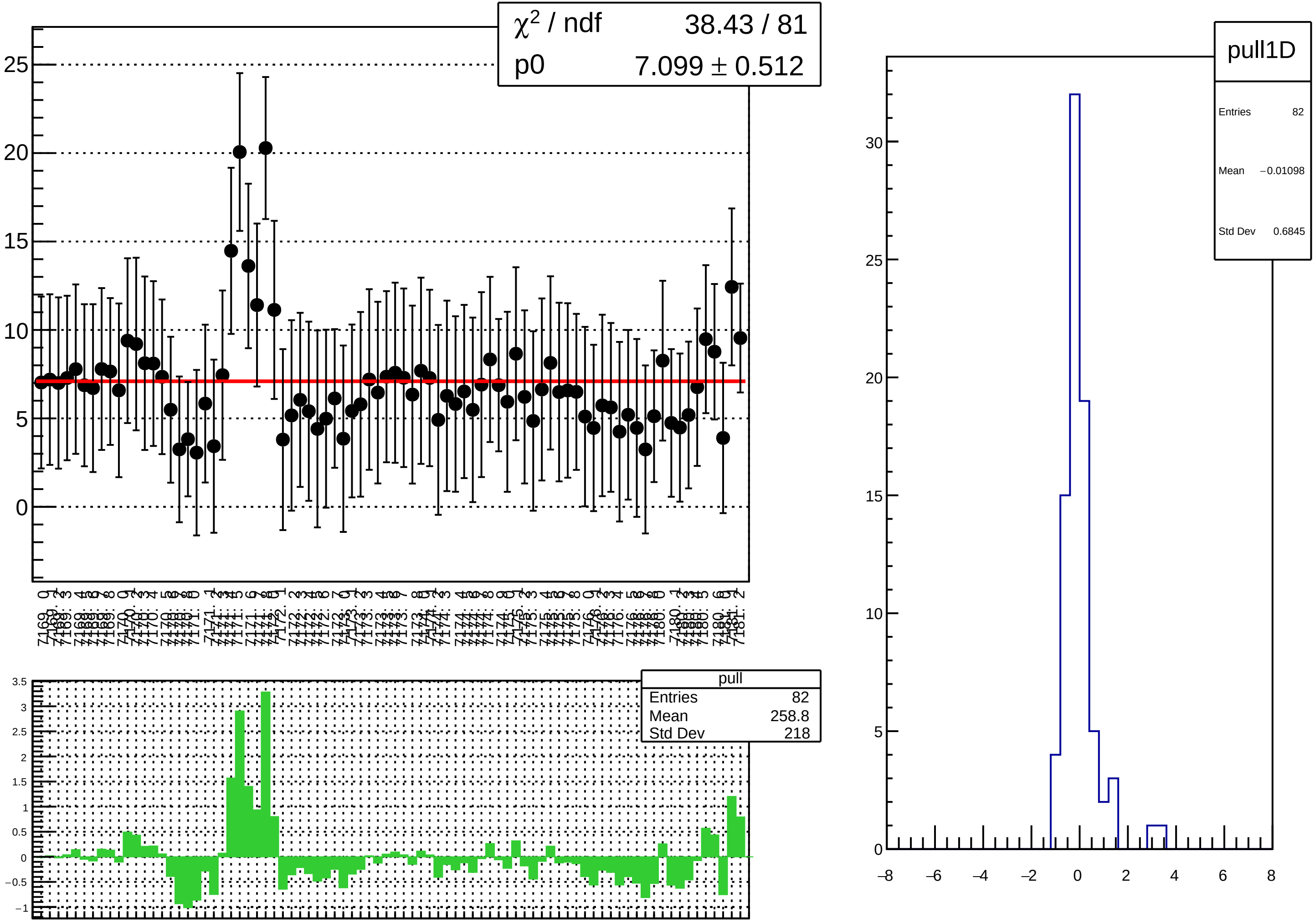


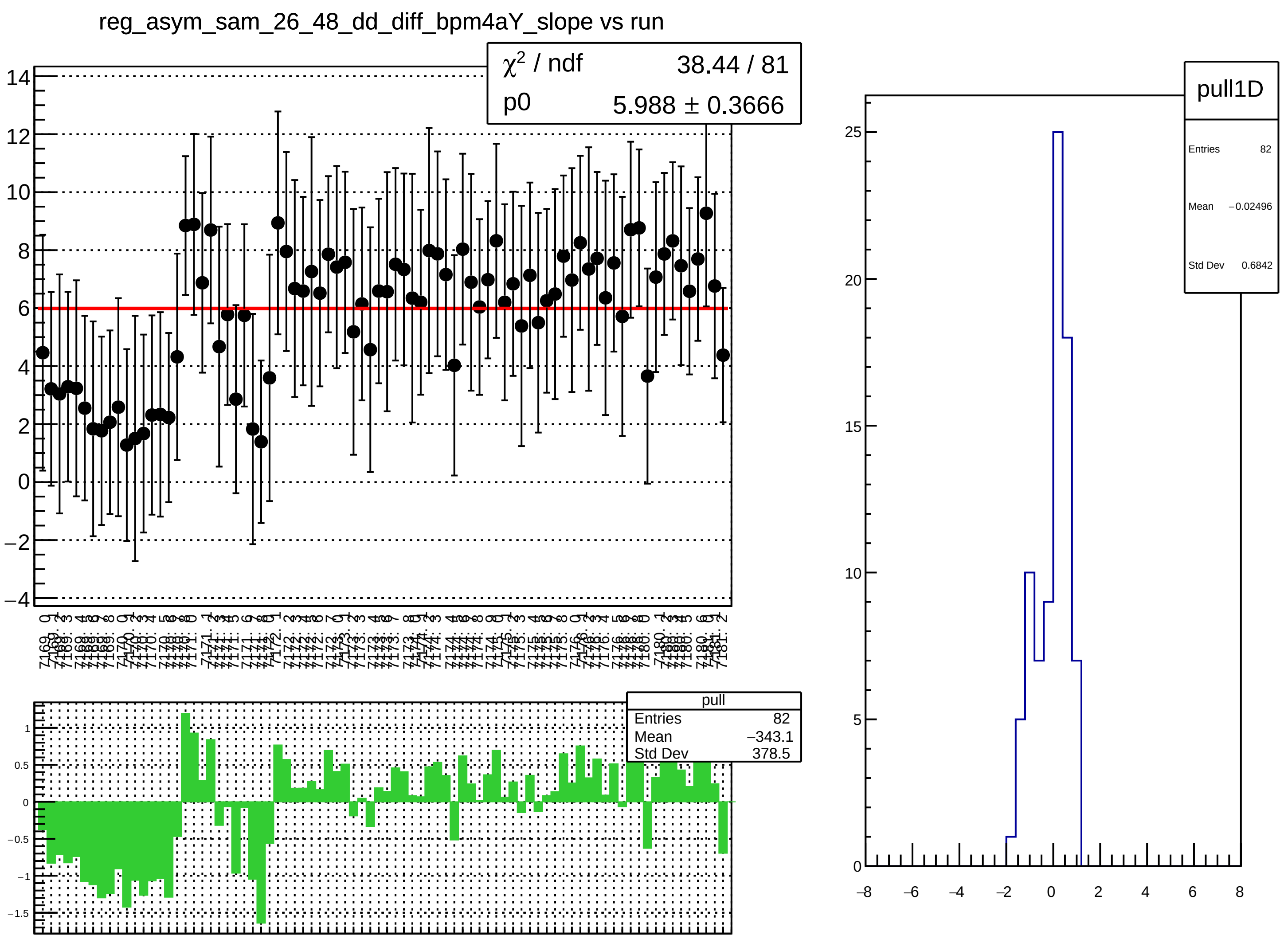
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ2 / ndf 9.457 / 81
p0 −21.06 ± 0.748
pull
Entries 82
Mean −48.85
Std Dev 78.66
pull1D
Entries 82
Mean 0.03513
Std Dev 0.3378



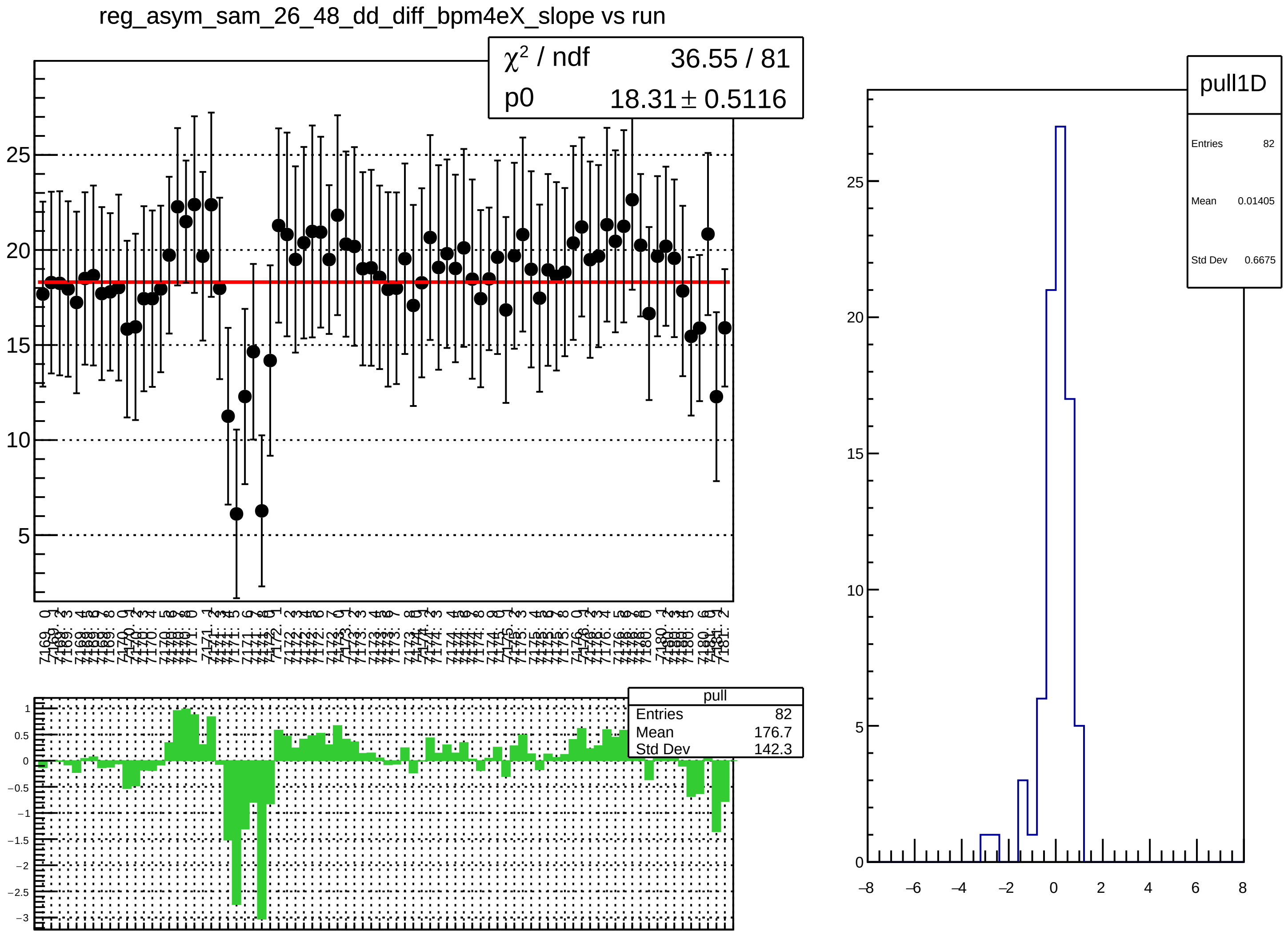
reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.578 / 81
p0 0.3458 ± 0.03465
pull
Entries 82
Mean −374.5
Std Dev 416.1
pull1D
Entries 82
Mean 0.008143
Std Dev 0.3039

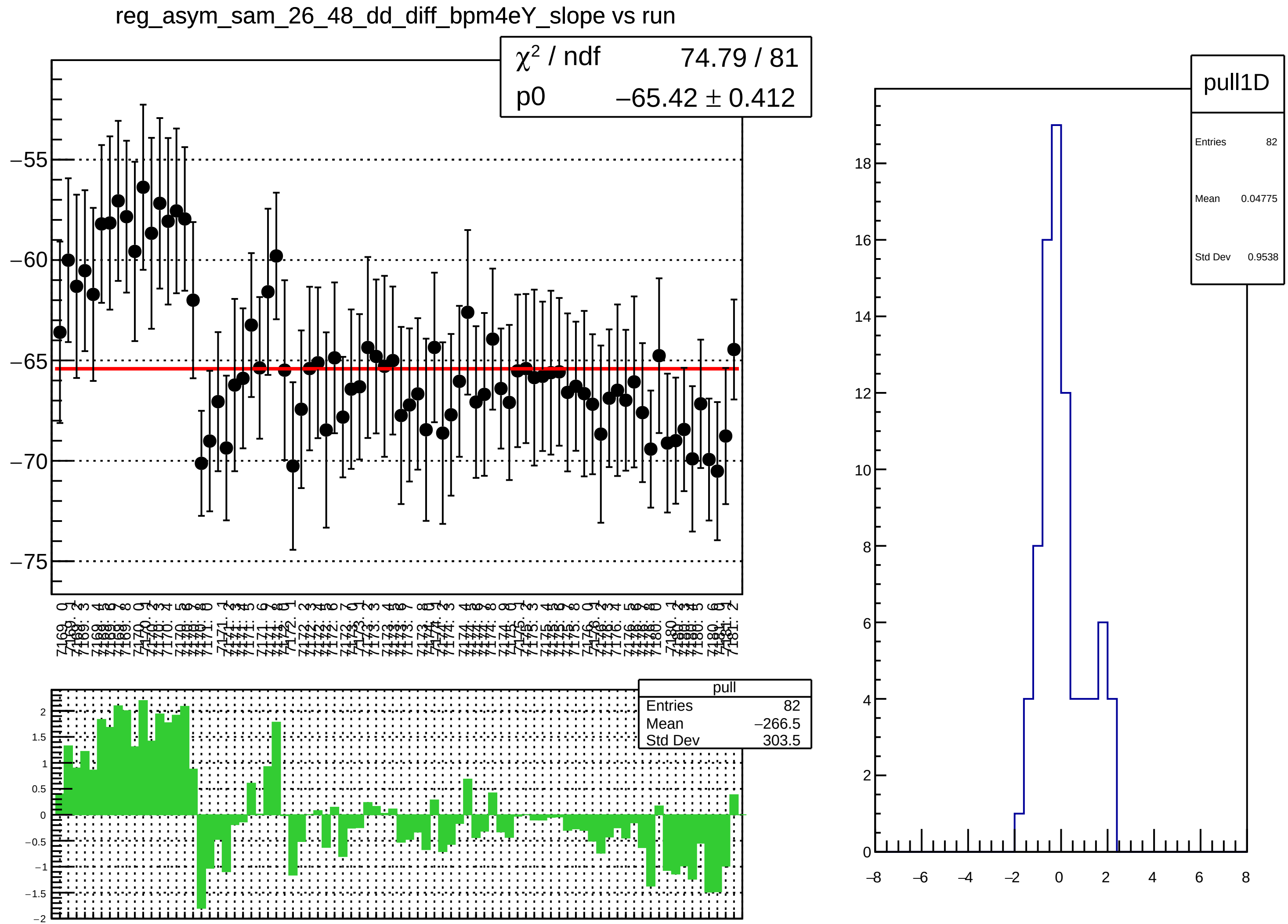
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run

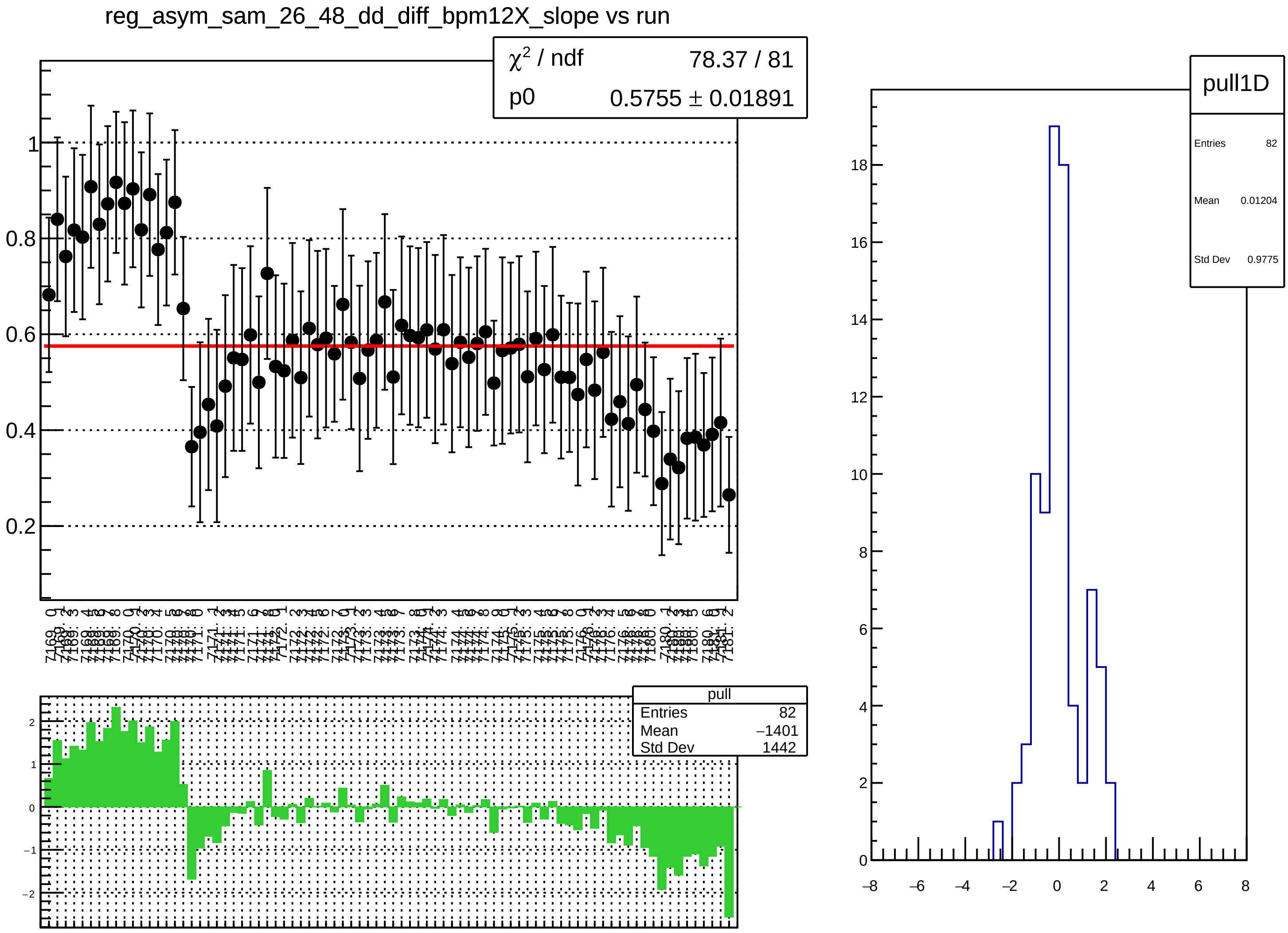




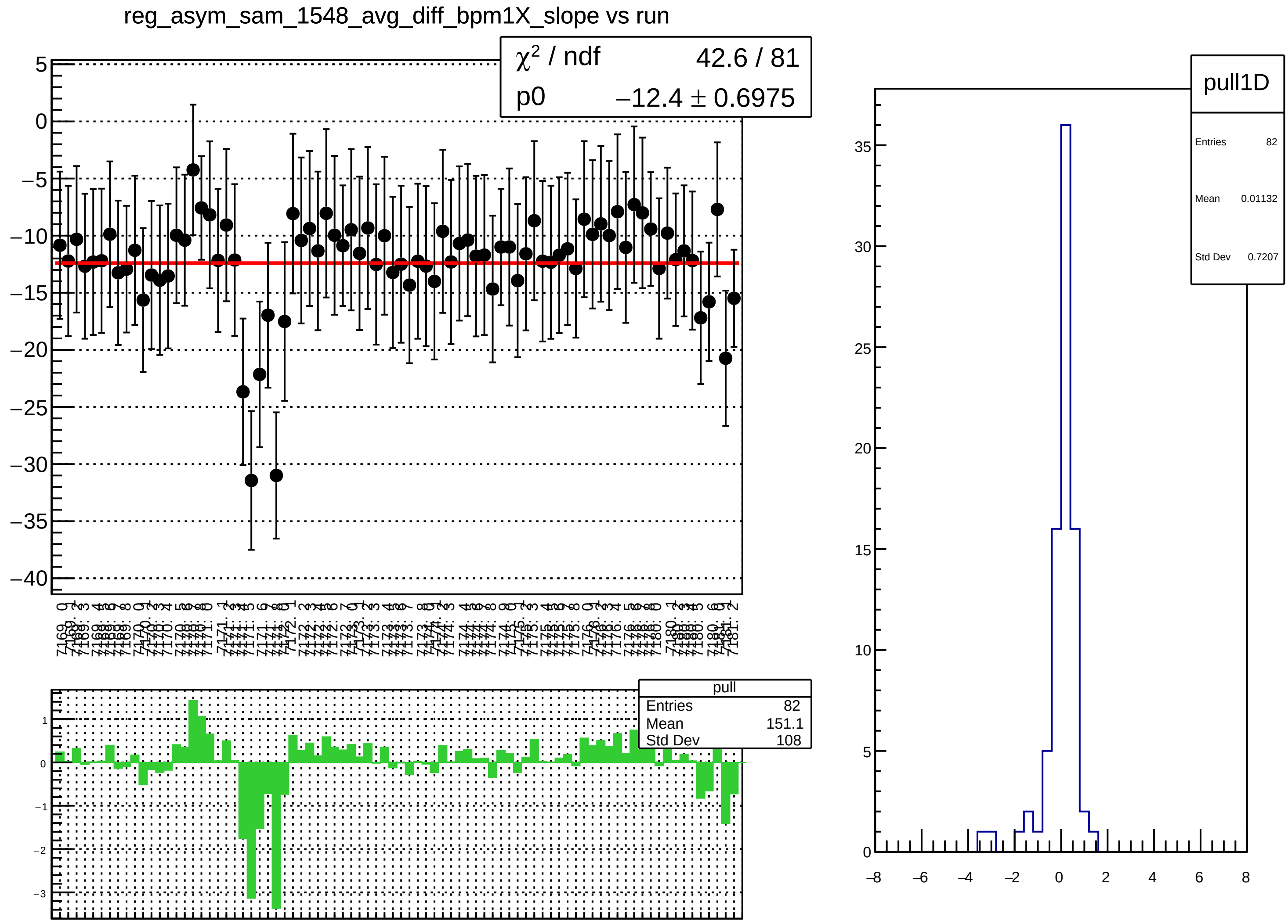
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 38.44 / 81
p0 5.988 ± 0.3666
pull
Entries 82
Mean −343.1
Std Dev 378.5
pull1D
Entries 82
Mean −0.02496
Std Dev 0.6842


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 36.55 / 81
p0 18.31 ± 0.5116
pull
Entries 82
Mean 176.7
Std Dev 142.3
pull1D
Entries 82
Mean 0.01405
Std Dev 0.6675

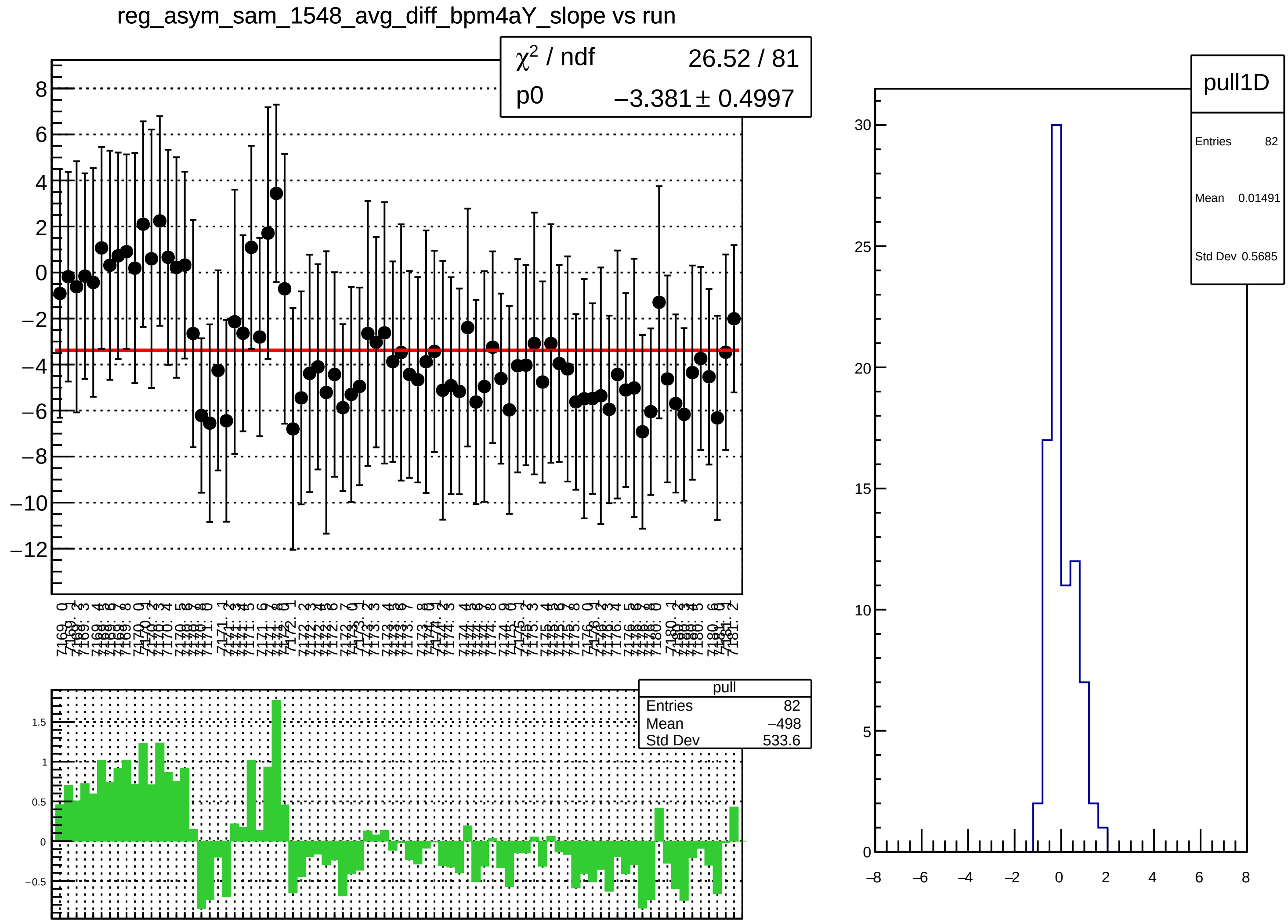

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 74.79 / 81
p0 −65.42 ± 0.412
pull
Entries 82
Mean −266.5
Std Dev 303.5
pull1D
Entries 82
Mean 0.04775
Std Dev 0.9538



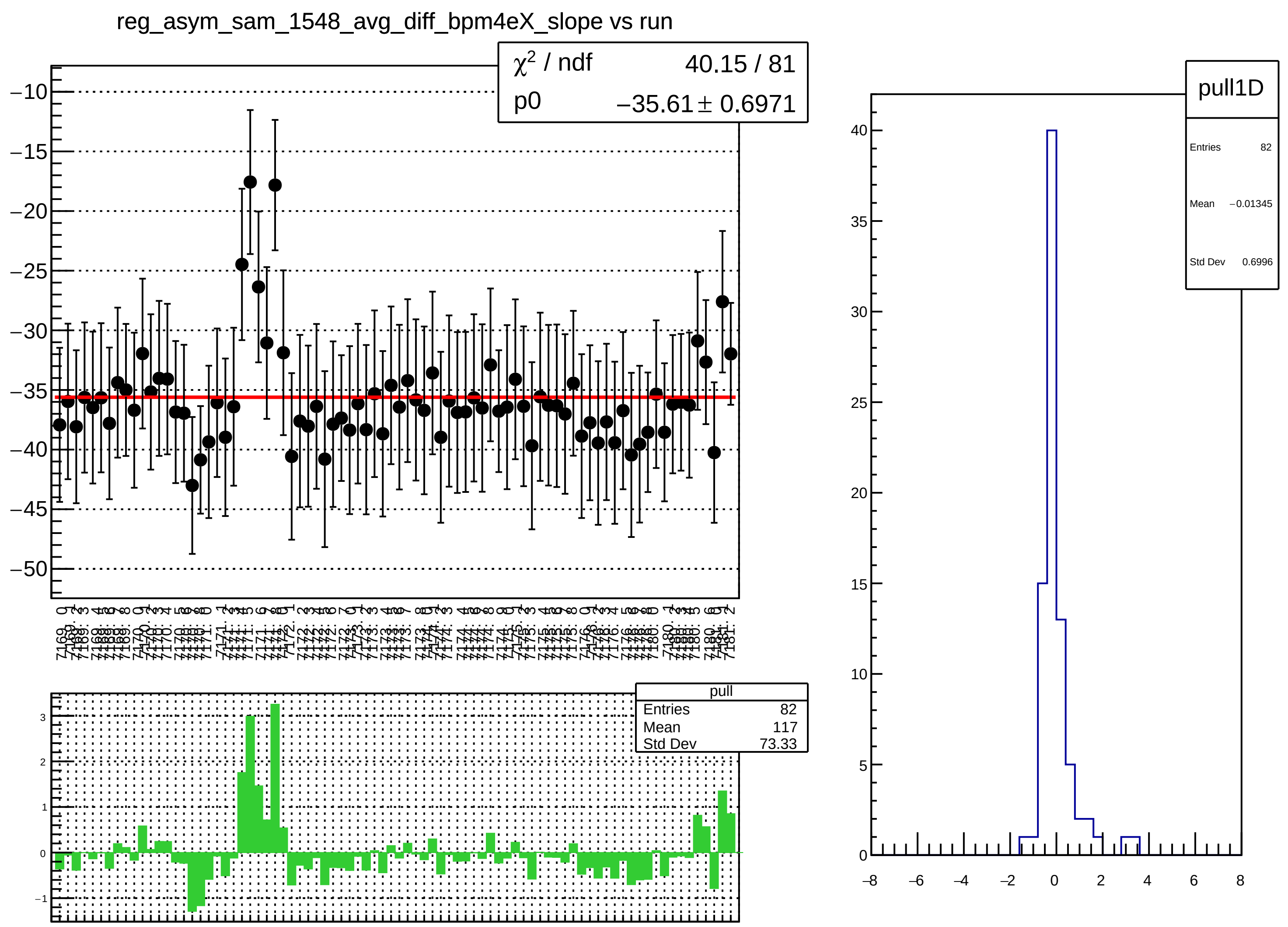
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 78.37 / 81
p0 0.5755 ± 0.01891
pull
Entries 82
Mean −1401
Std Dev 1442
pull1D
Entries 82
Mean 0.01204
Std Dev 0.9775



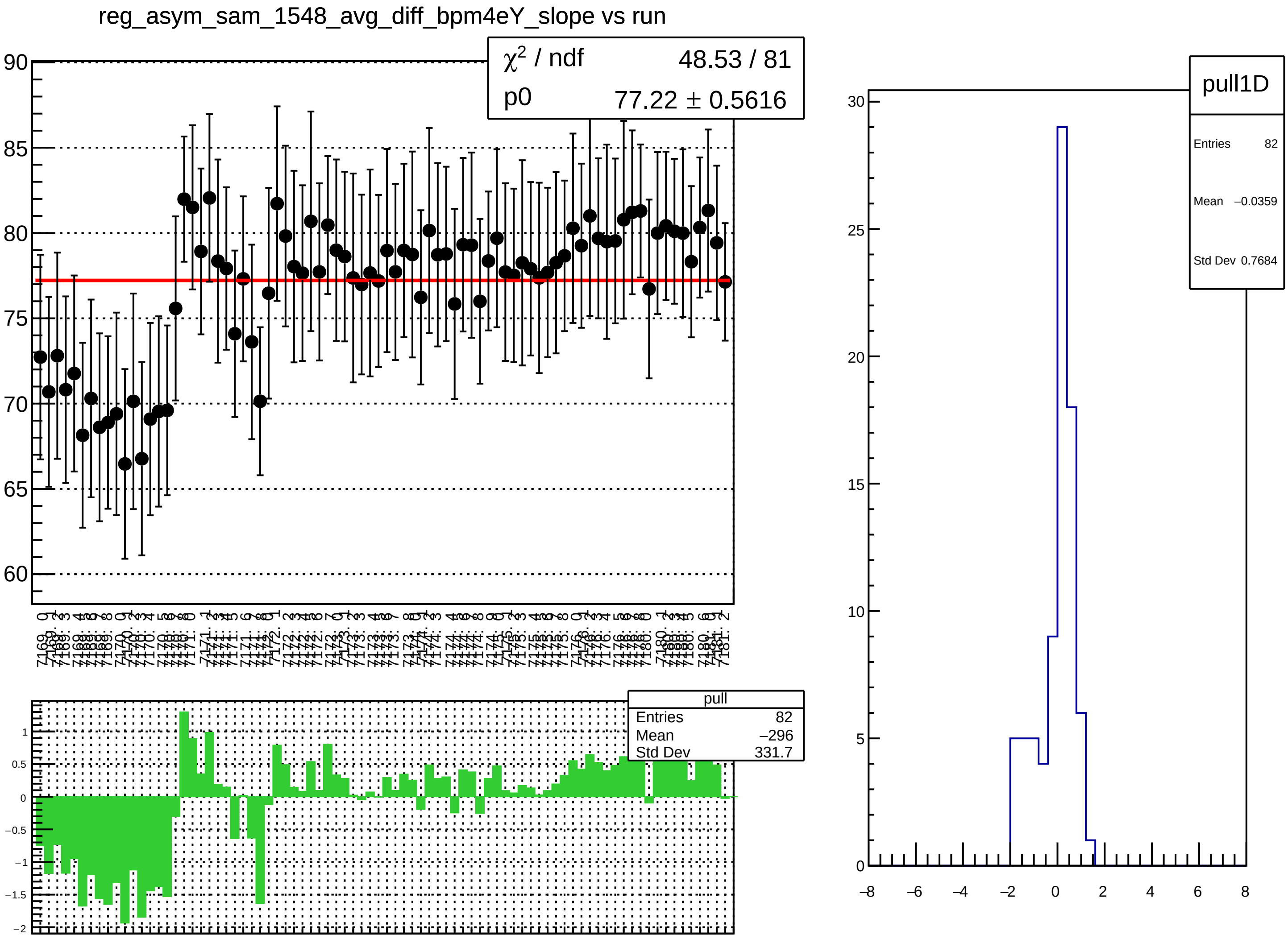
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 42.6 / 81
p0 −12.4 ± 0.6975
pull
Entries 82
Mean 151.1
Std Dev 108
pull1D
Entries 82
Mean 0.01132
Std Dev 0.7207



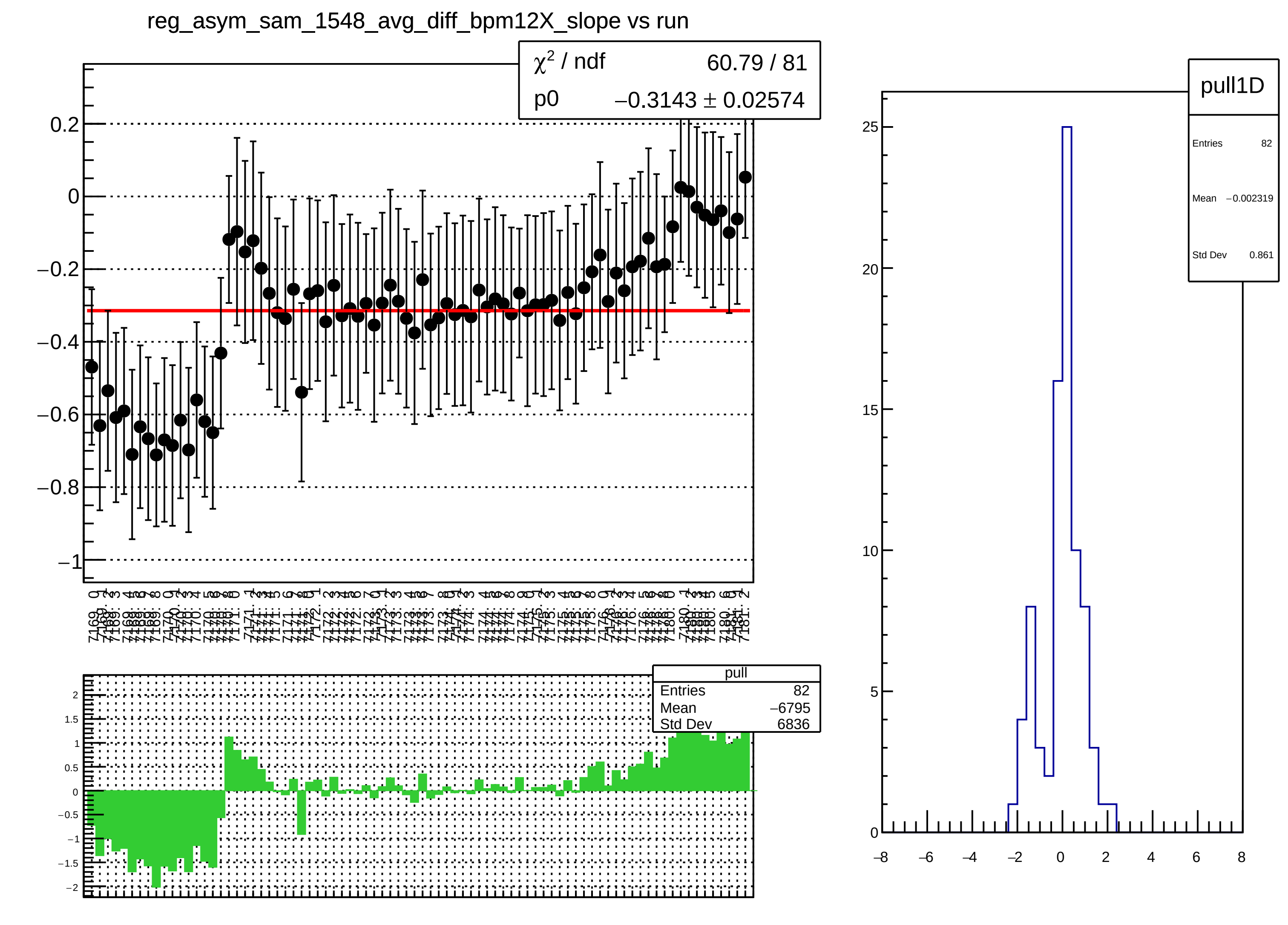
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ2 / ndf 26.52 / 81
p0 −3.381 ± 0.4997
pull
Entries 82
Mean −498
Std Dev 533.6
pull1D
Entries 82
Mean 0.01491
Std Dev 0.5685



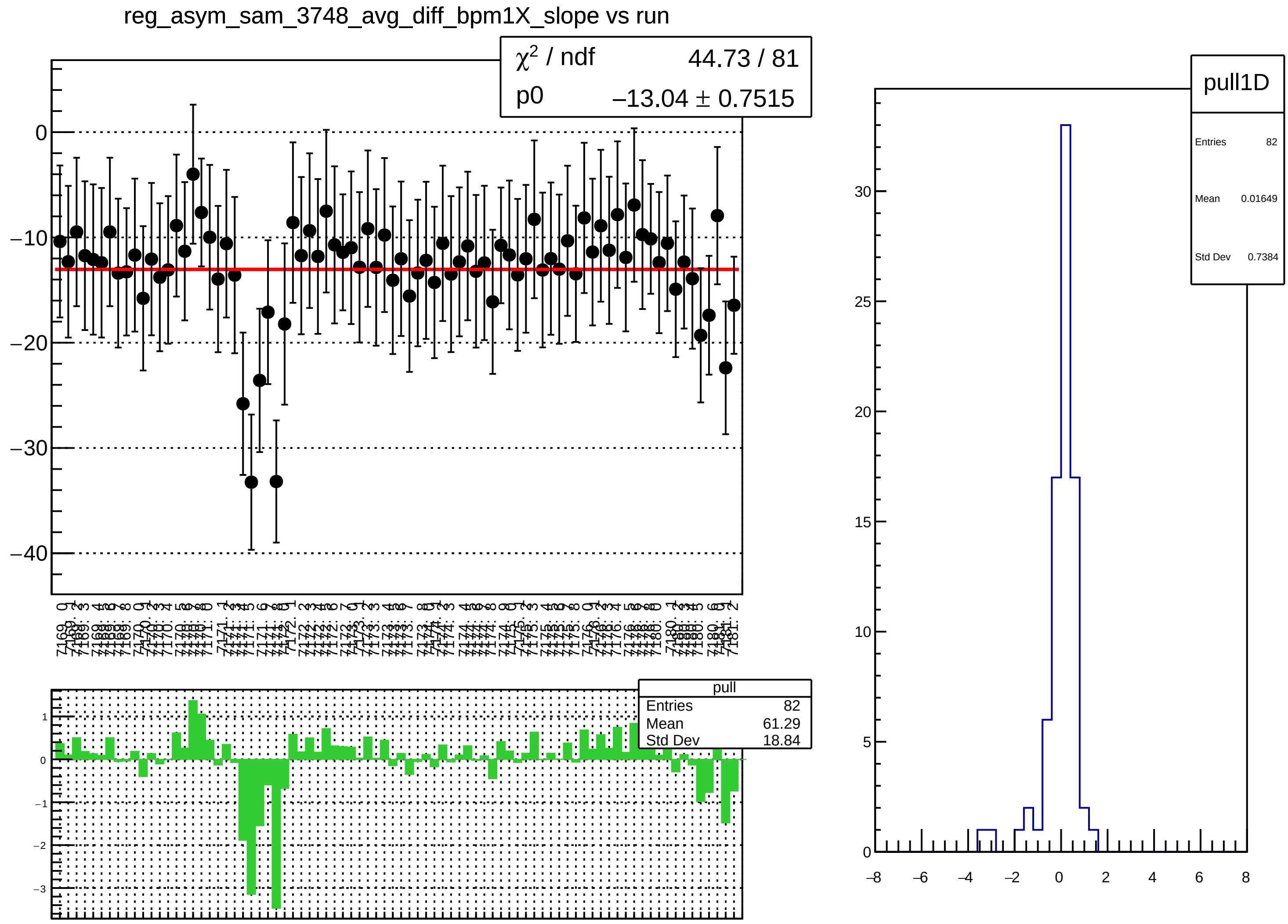
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 40.15 / 81
p0 −35.61 ± 0.6971
pull
Entries 82
Mean 117
Std Dev 73.33
pull1D
Entries 82
Mean −0.01345
Std Dev 0.6996



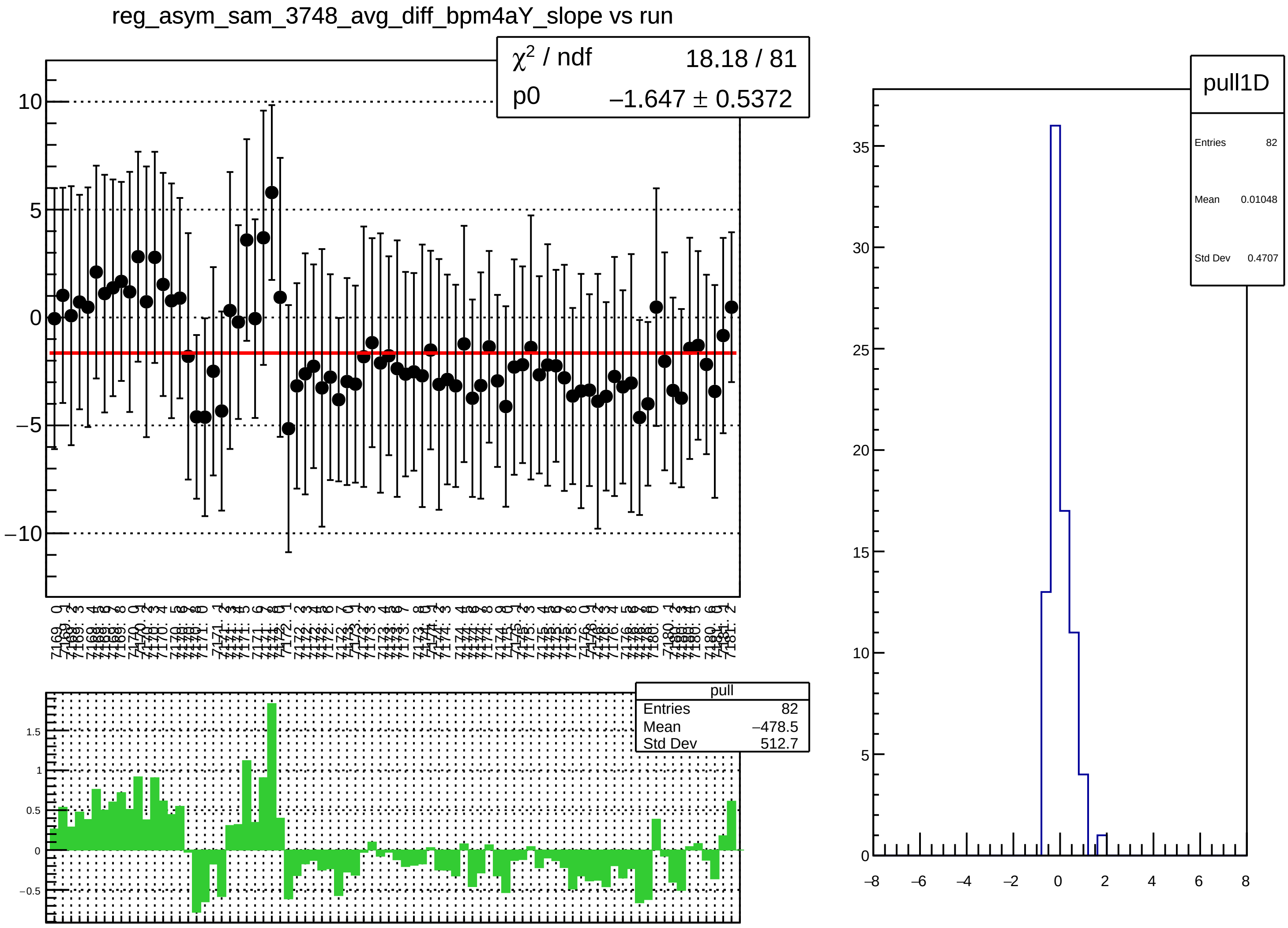
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 48.53 / 81
p0 77.22 ± 0.5616
pull
Entries 82
Mean −296
Std Dev 331.7
pull1D
Entries 82
Mean −0.0359
Std Dev 0.7684



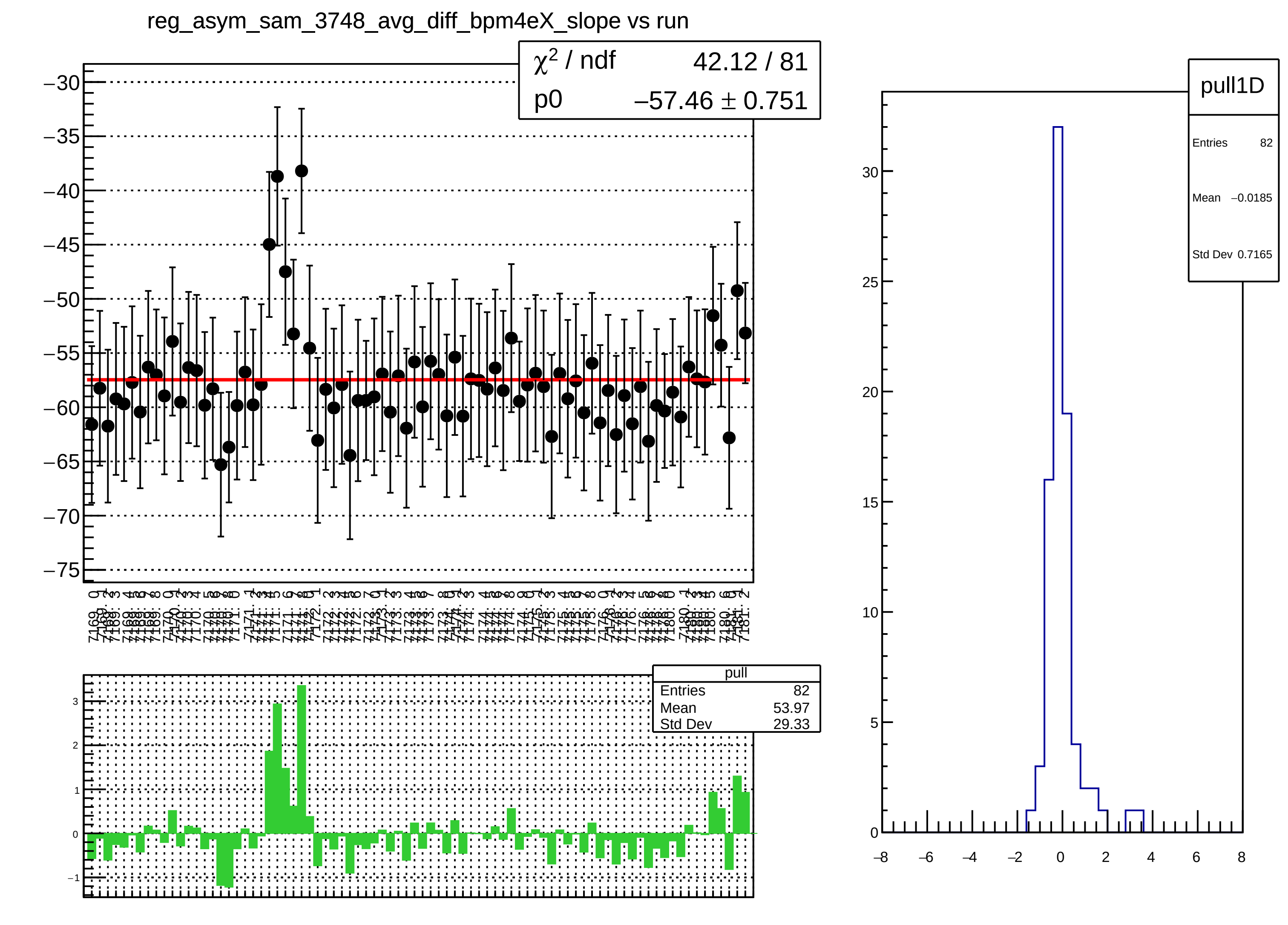
reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 60.79 / 81
p0 −0.3143 ± 0.02574
pull
Entries 82
Mean −6795
Std Dev 6836
pull1D
Entries 82
Mean −0.002319
Std Dev 0.861



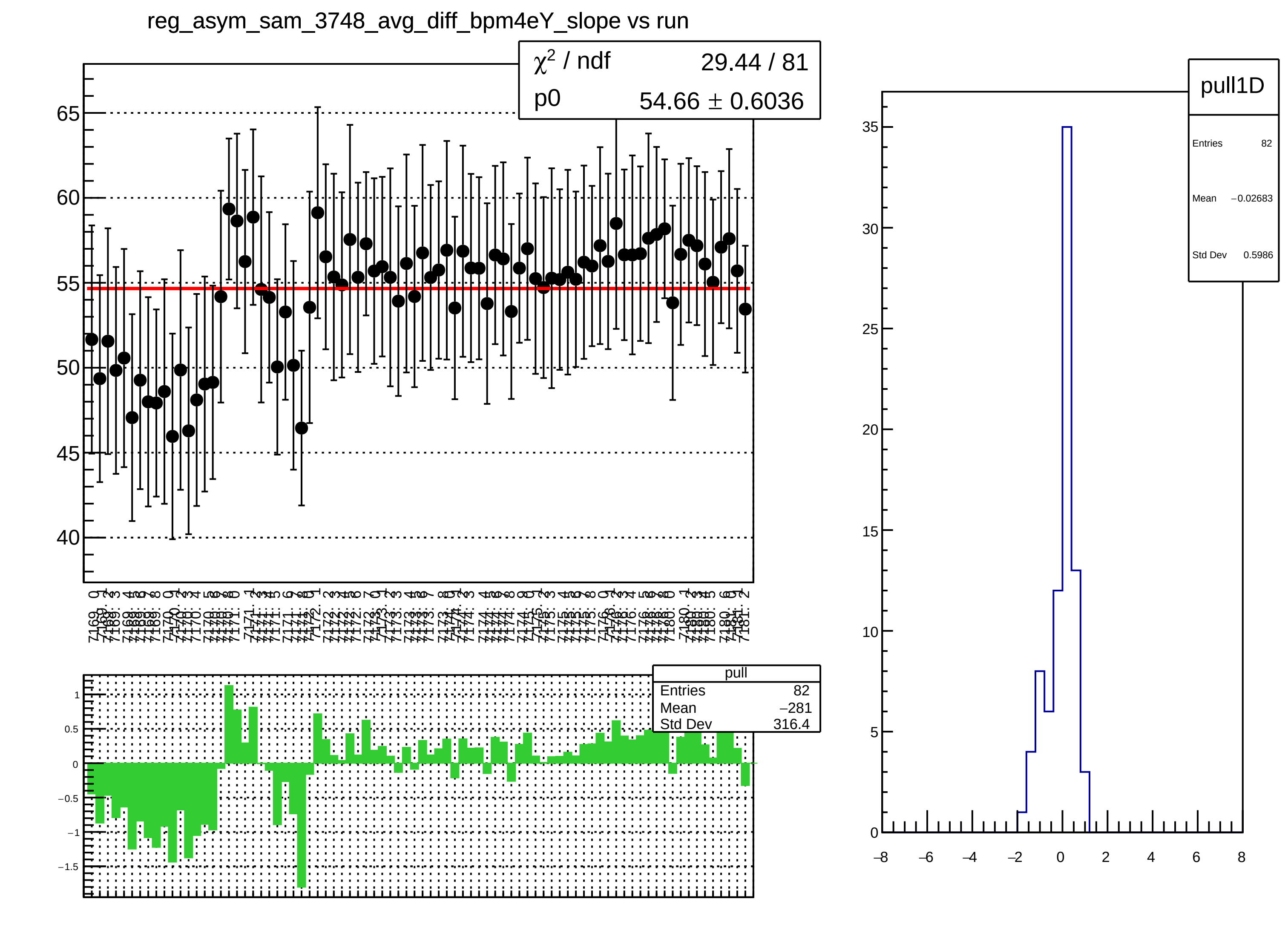
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.73 / 81
p0 −13.04 ± 0.7515
pull
Entries 82
Mean 61.29
Std Dev 18.84
pull1D
Entries 82
Mean 0.01649
Std Dev 0.7384



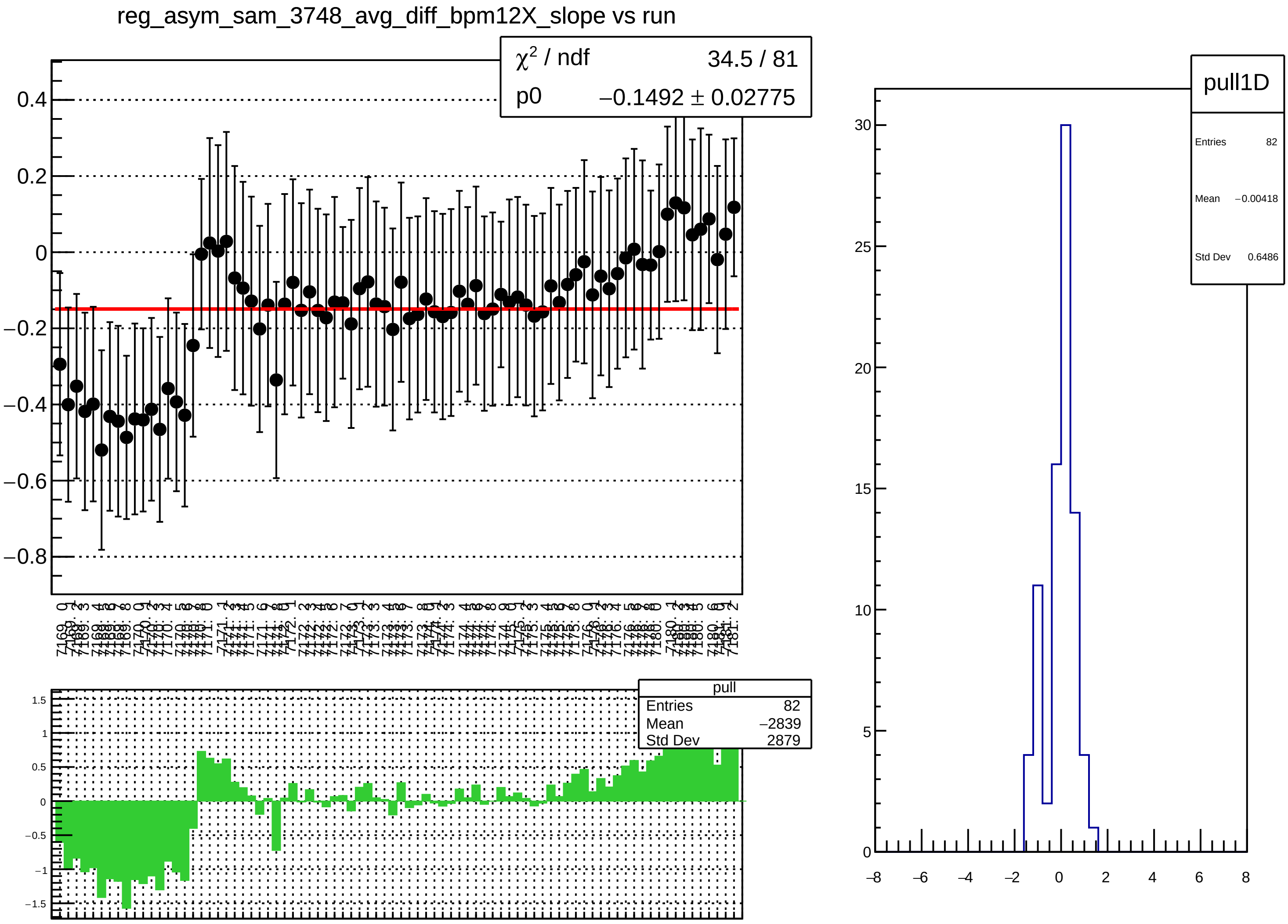
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 18.18 / 81
p0 −1.647 ± 0.5372
pull
Entries 82
Mean −478.5
Std Dev 512.7
pull1D
Entries 82
Mean 0.01048
Std Dev 0.4707



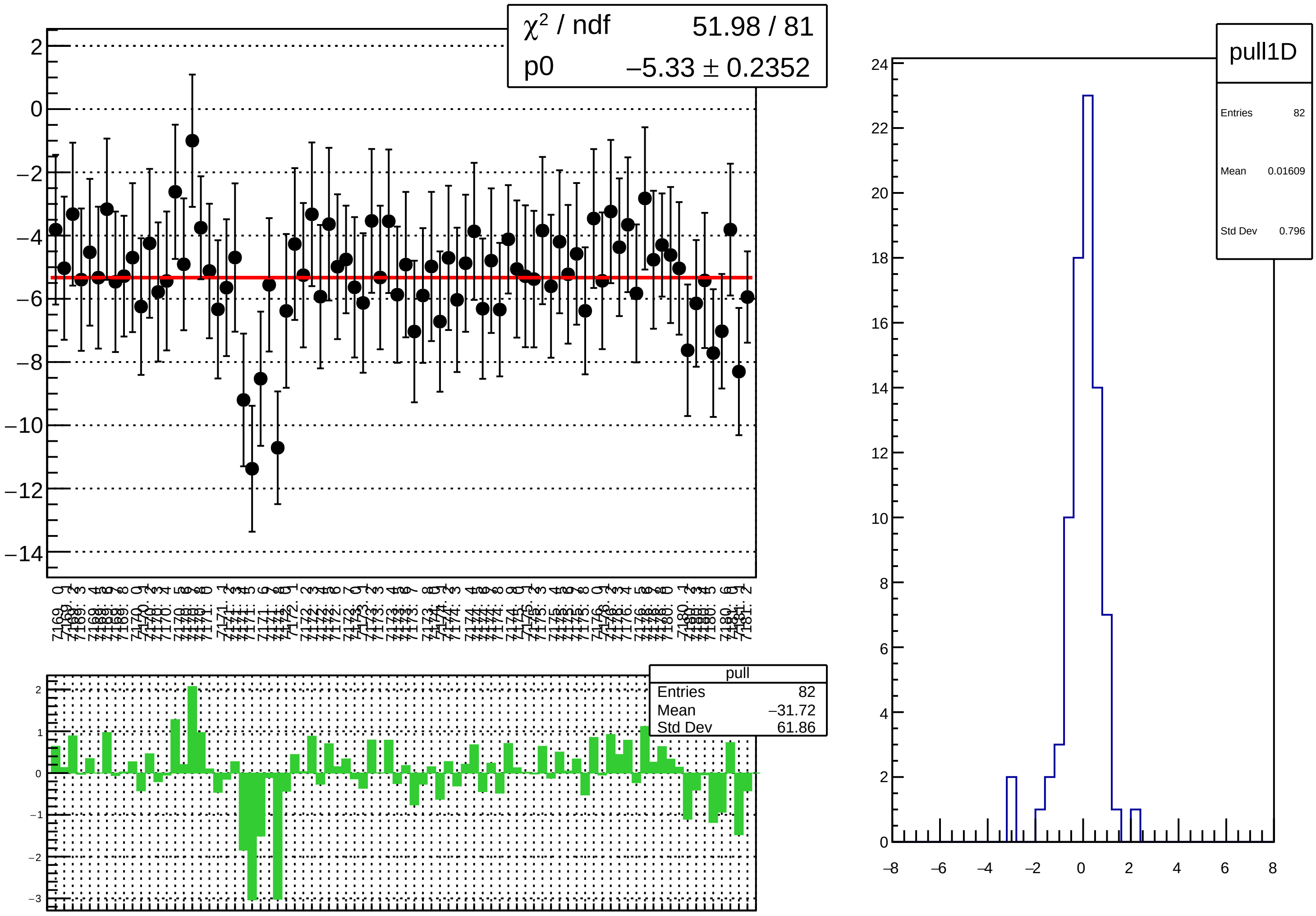
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 42.12 / 81
p0 −57.46 ± 0.751
pull
Entries 82
Mean 53.97
Std Dev 29.33
pull1D
Entries 82
Mean −0.0185
Std Dev 0.7165

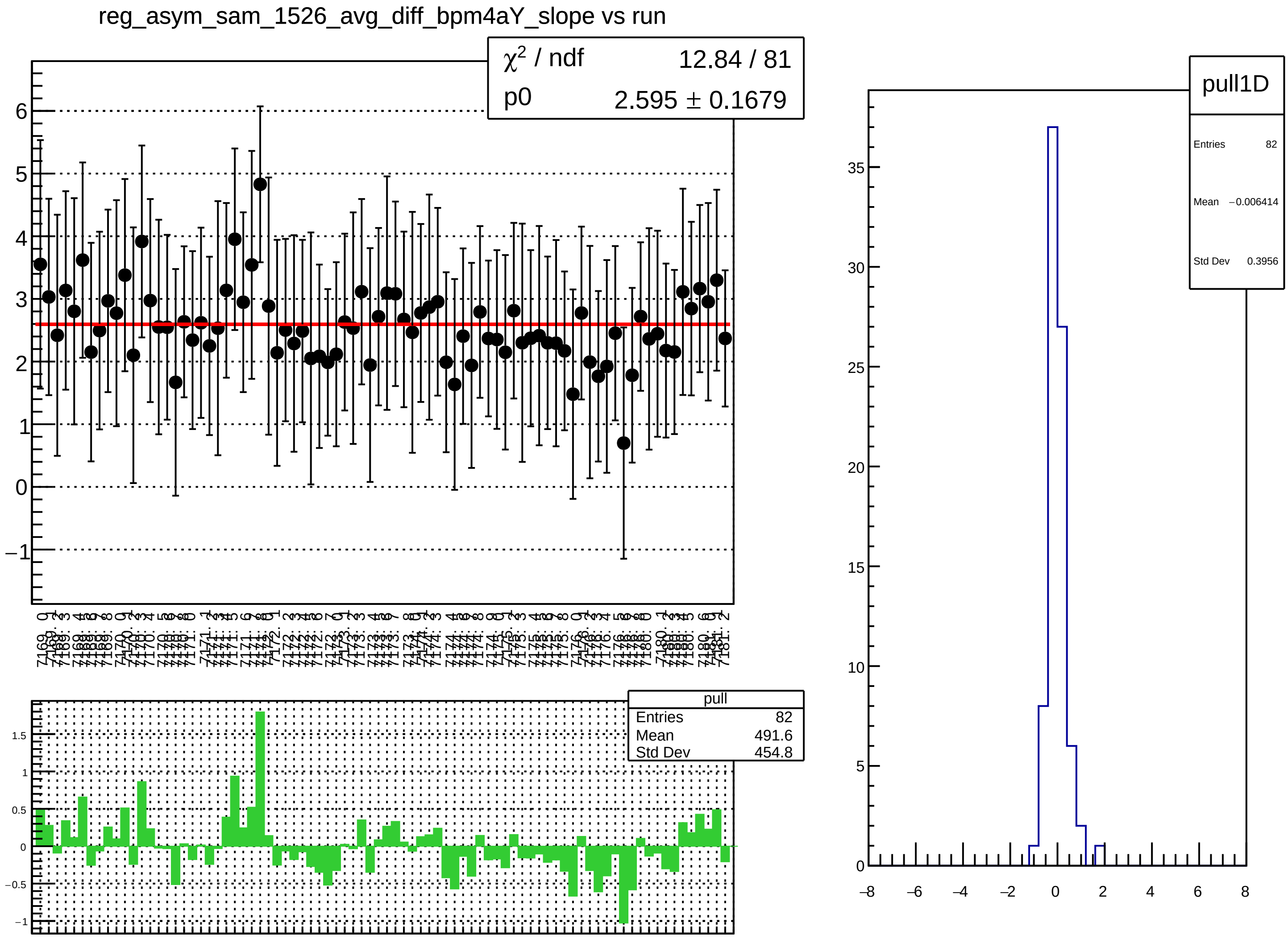


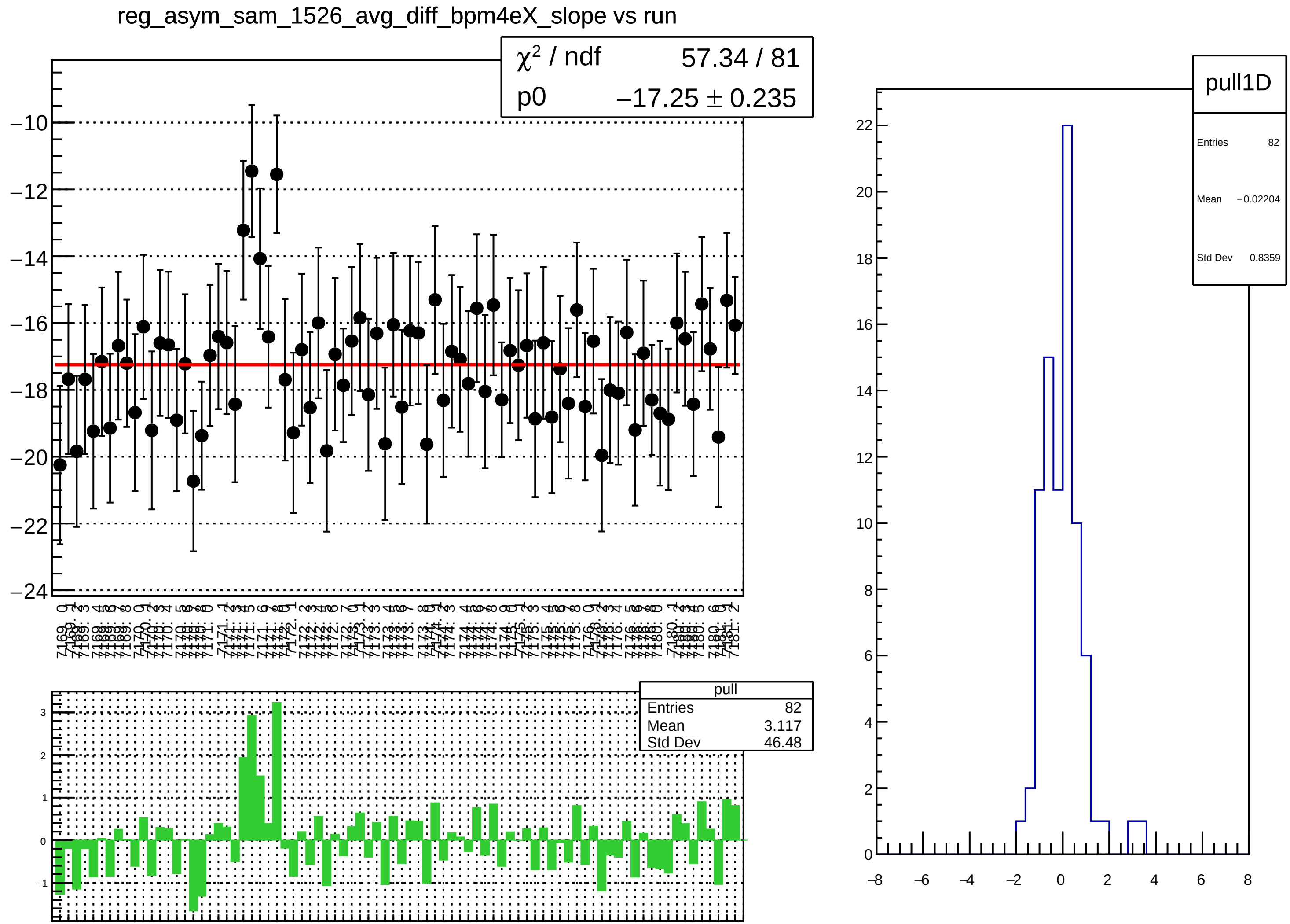
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 29.44 / 81
p0 54.66 ± 0.6036
pull
Entries 82
Mean −281
Std Dev 316.4
pull1D
Entries 82
Mean −0.02683
Std Dev 0.5986

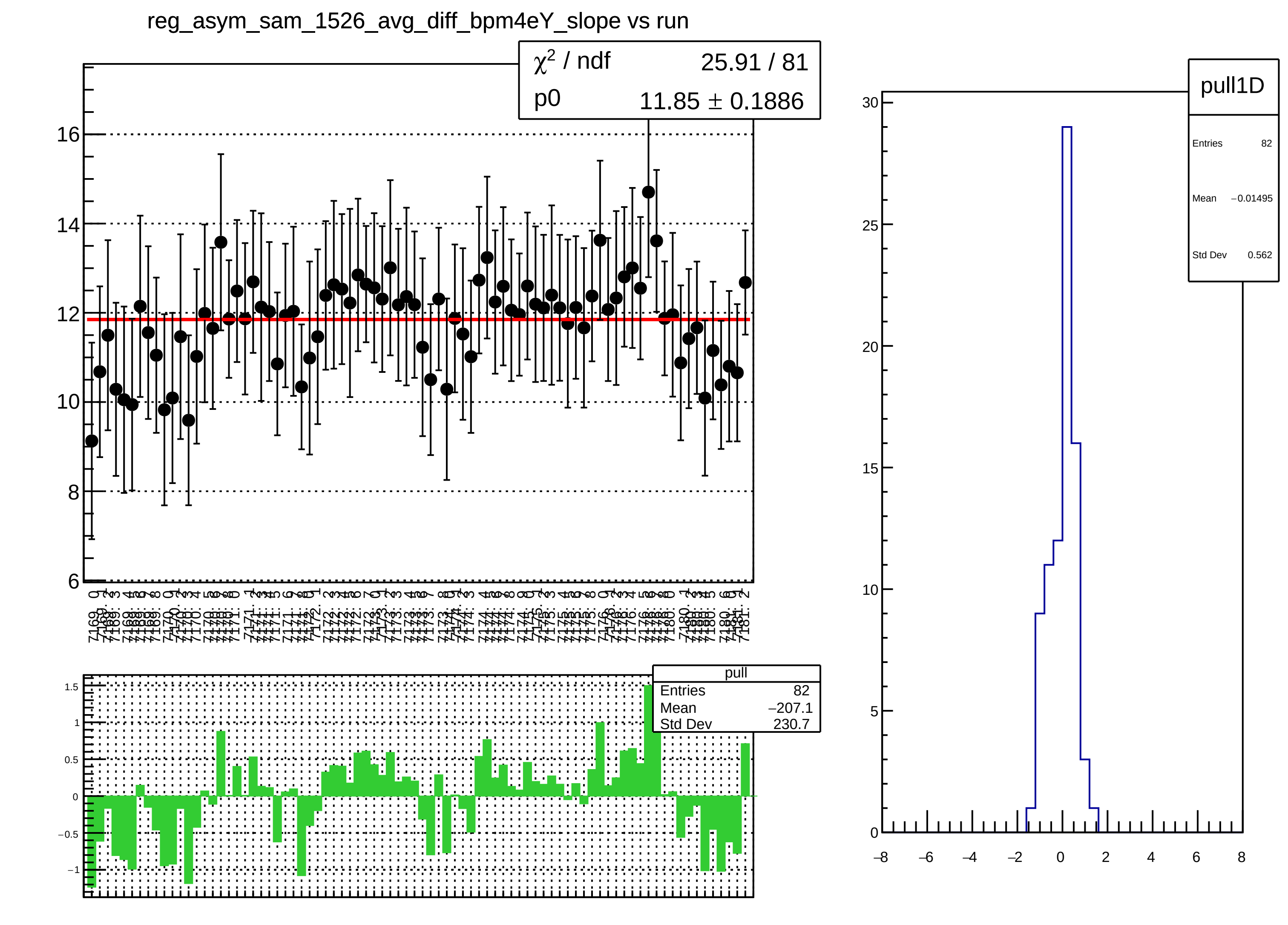

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 34.5 / 81
p0 −0.1492 ± 0.02775
pull
Entries 82
Mean −2839
Std Dev 2879
pull1D
Entries 82
Mean −0.00418
Std Dev 0.6486

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run

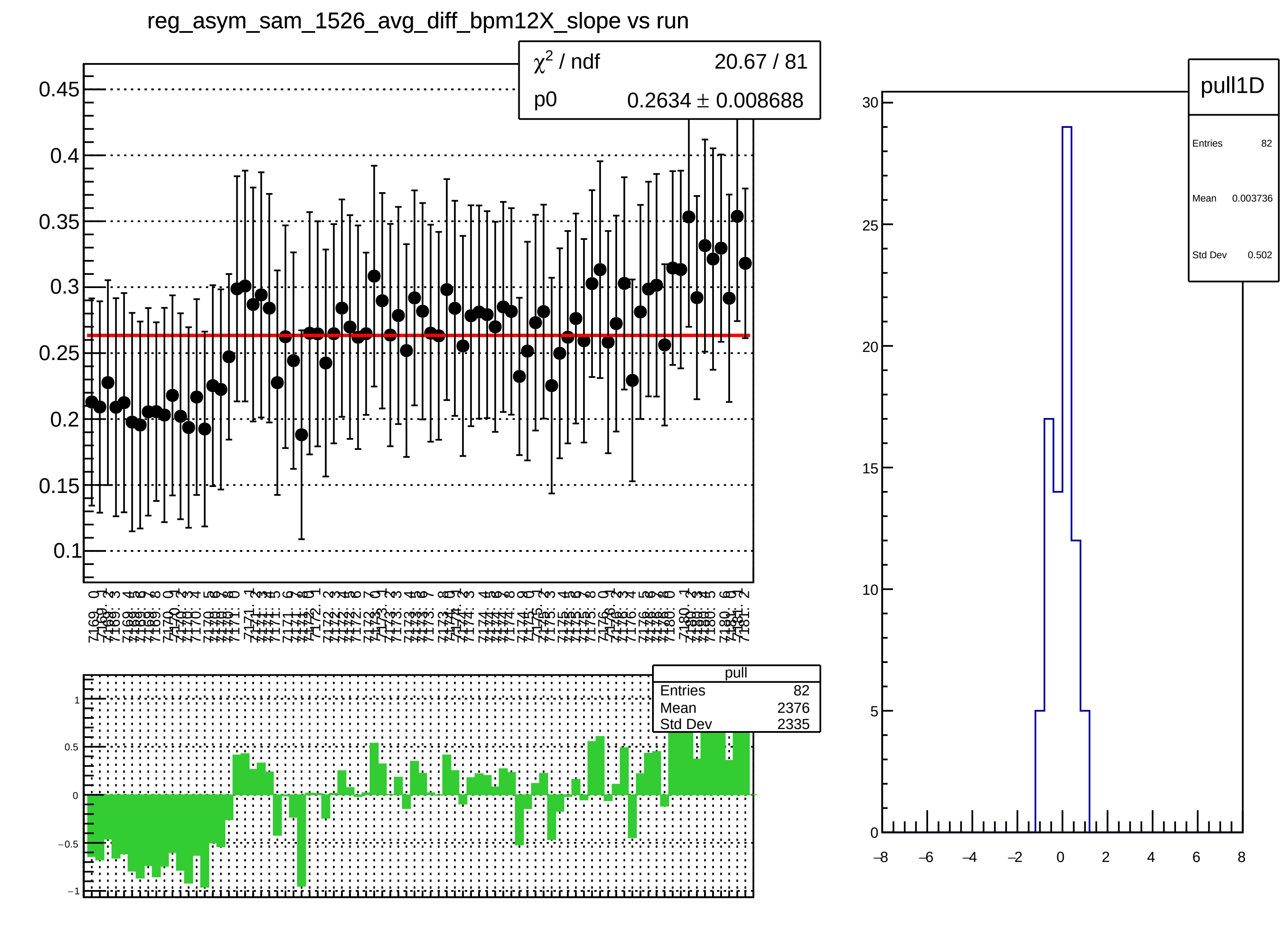


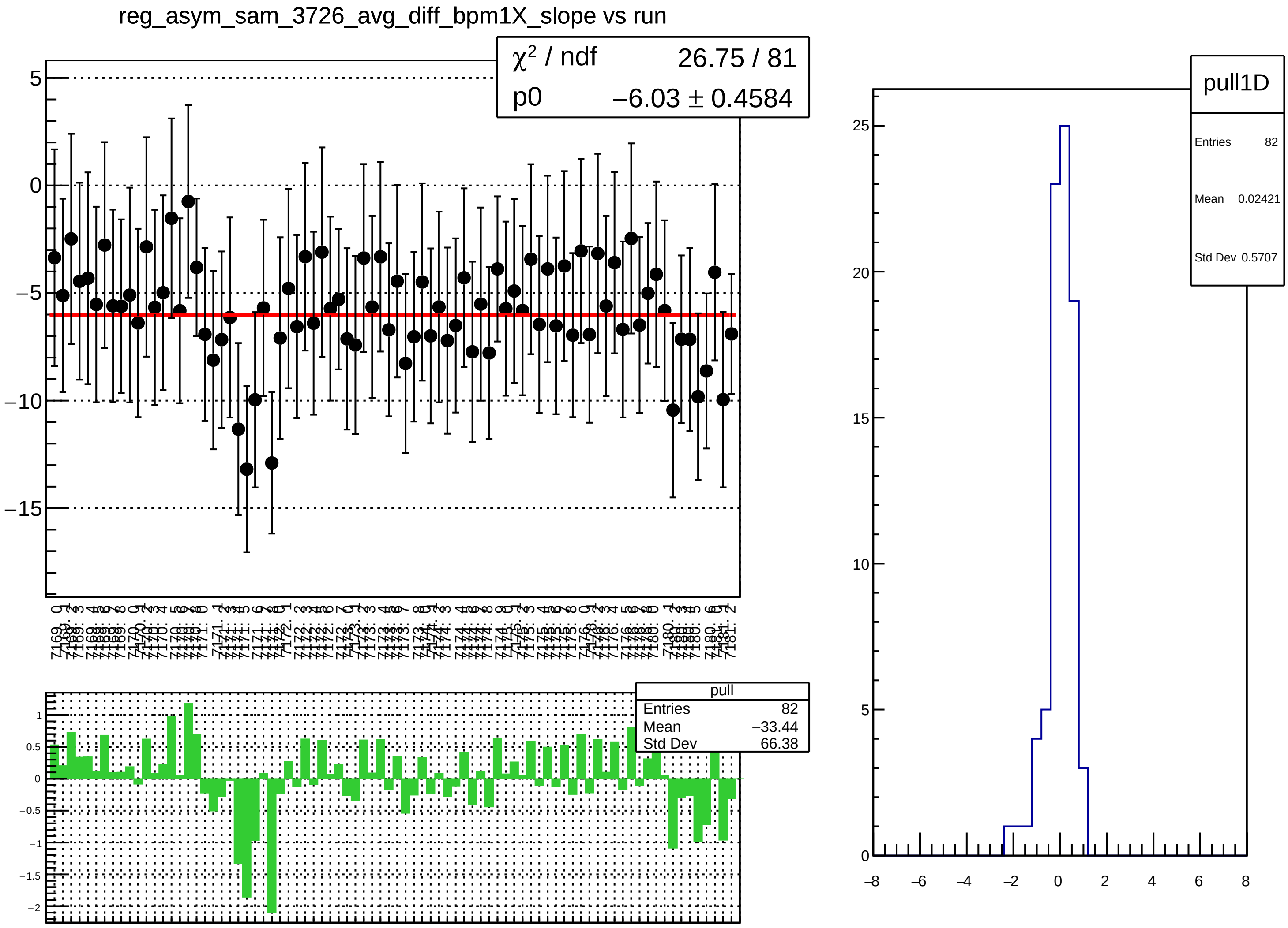

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.84 / 81
p0 2.595 ± 0.1679
pull
Entries 82
Mean 491.6
Std Dev 454.8
pull1D
Entries 82
Mean −0.006414
Std Dev 0.3956


reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 57.34 / 81
p0 −17.25 ± 0.235
pull
Entries 82
Mean 3.117
Std Dev 46.48
pull1D
Entries 82
Mean −0.02204
Std Dev 0.8359

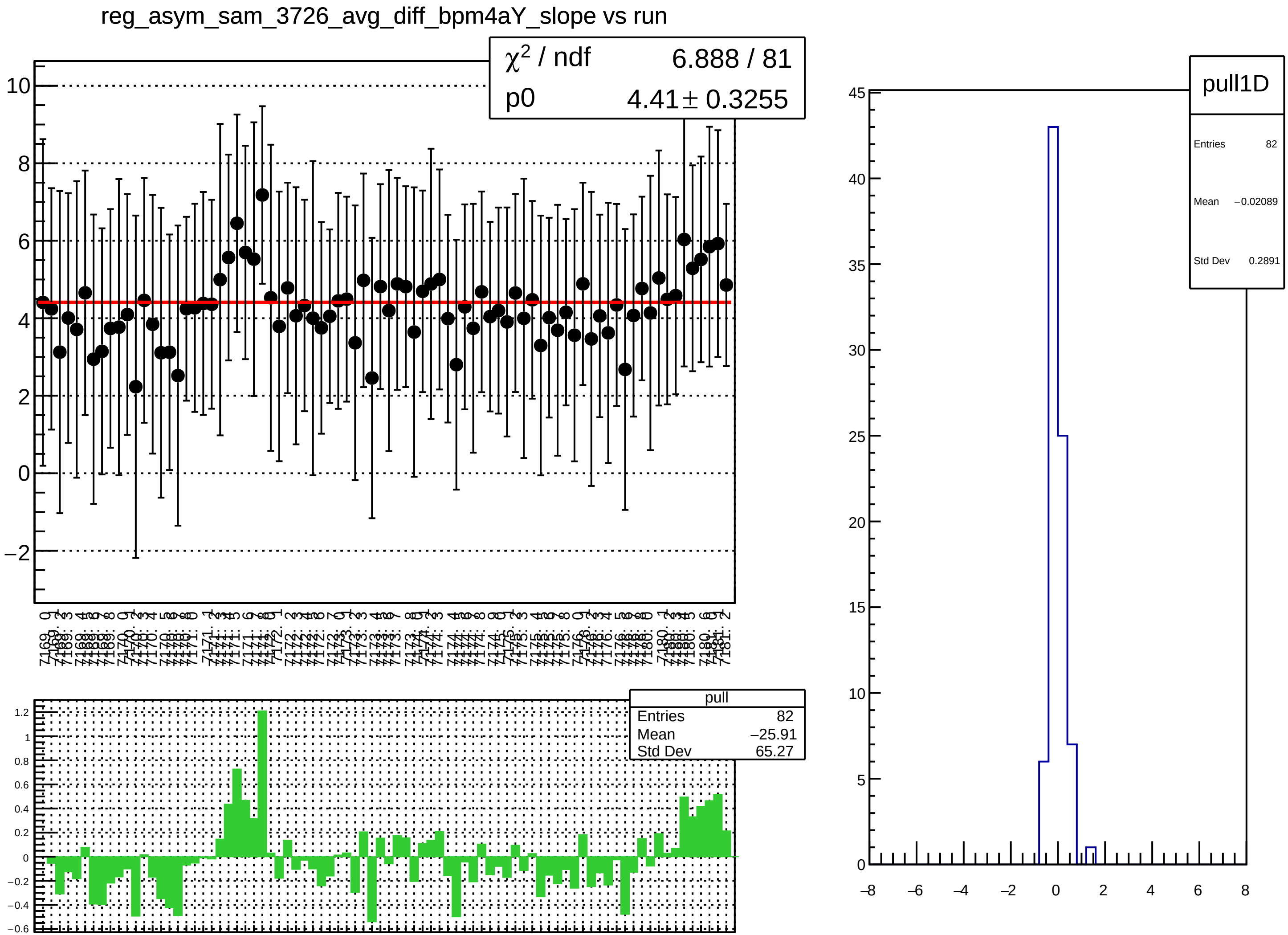


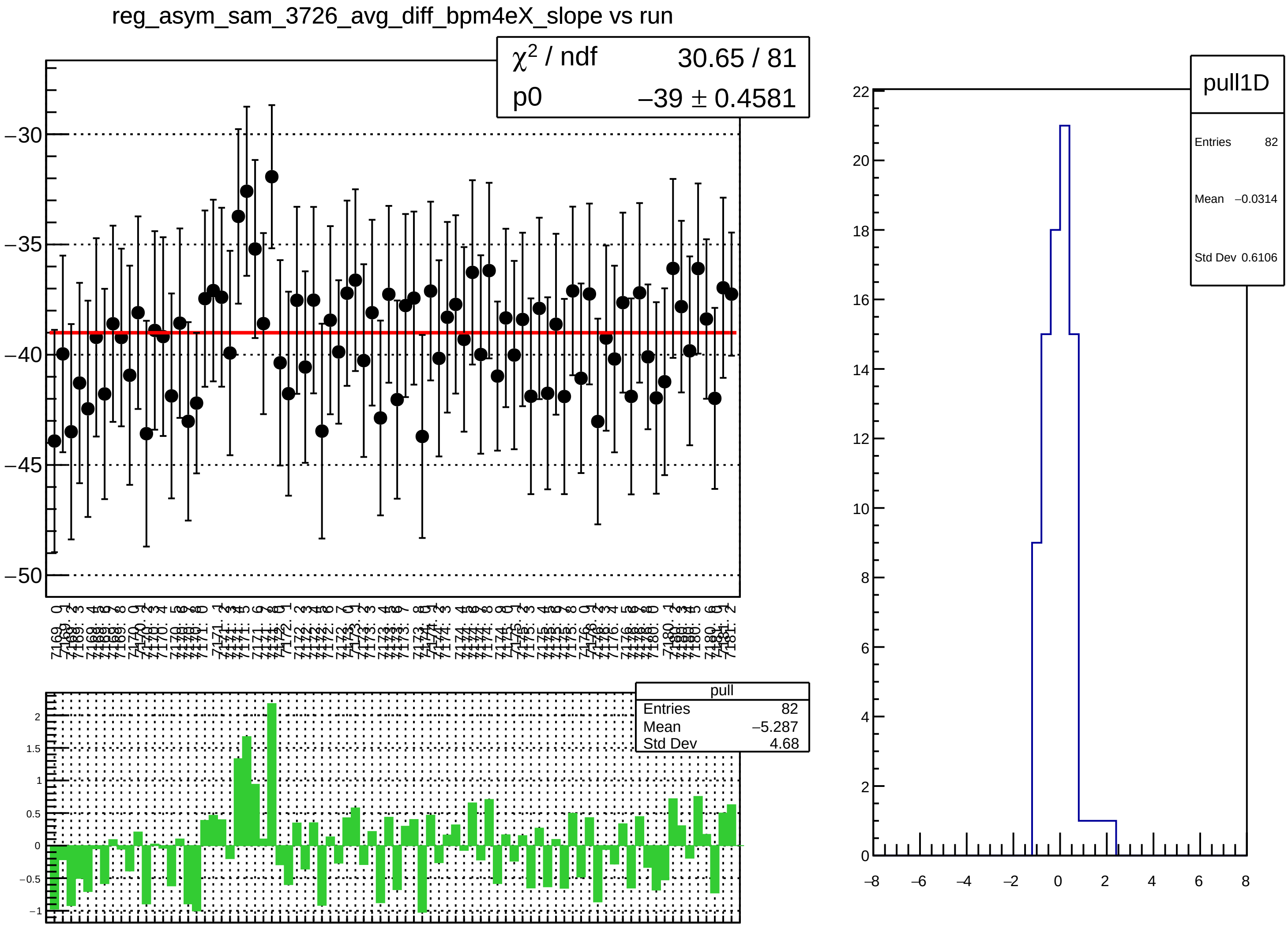
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 25.91 / 81
p0 11.85 ± 0.1886
pull
Entries 82
Mean −207.1
Std Dev 230.7
pull1D
Entries 82
Mean −0.01495
Std Dev 0.562


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.67 / 81
p0 0.2634 ± 0.008688
pull
Entries 82
Mean 2376
Std Dev 2335
pull1D
Entries 82
Mean 0.003736
Std Dev 0.502

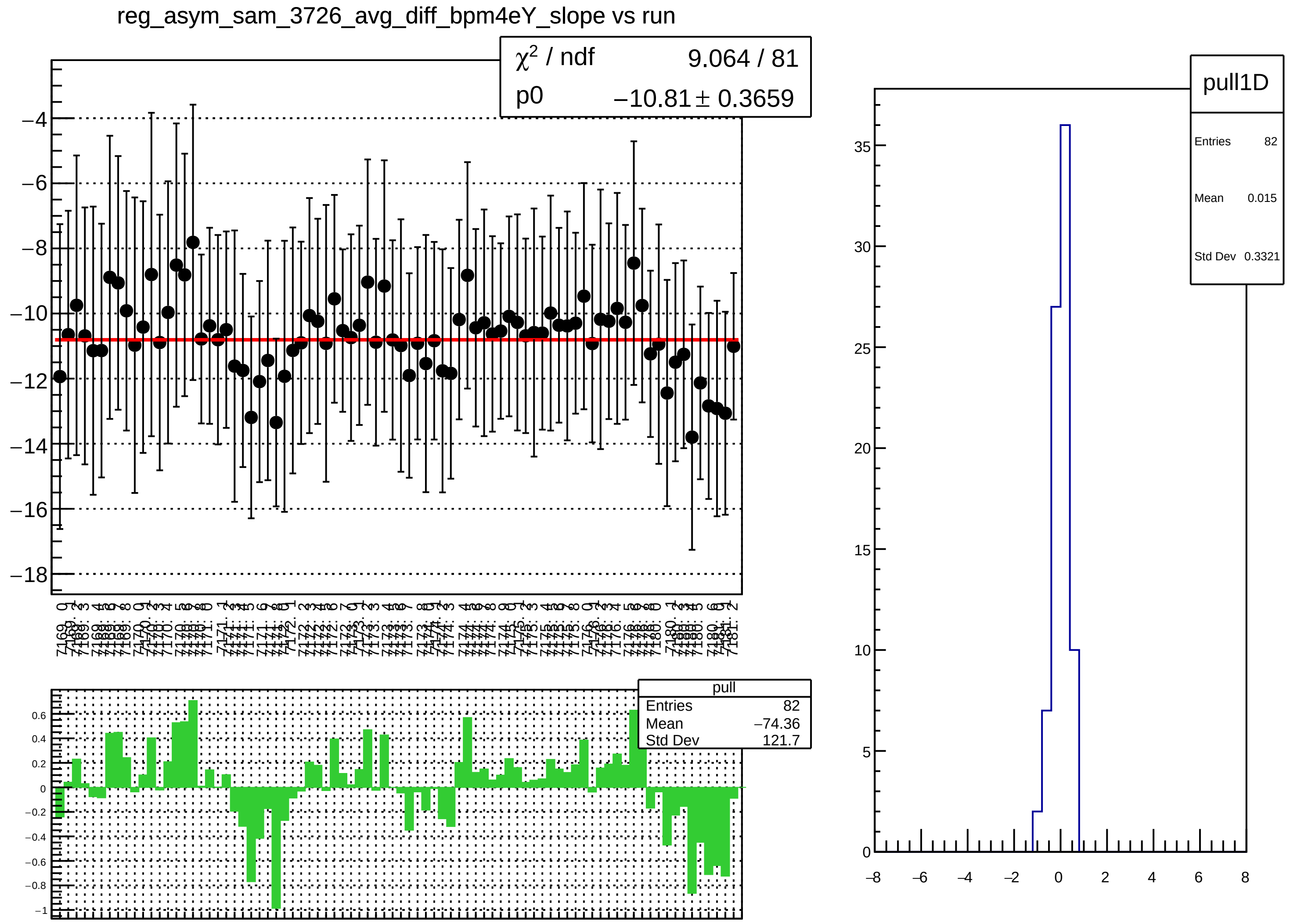


reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 26.75 / 81
p0 −6.03 ± 0.4584
pull
Entries 82
Mean −33.44
Std Dev 66.38
pull1D
Entries 82
Mean 0.02421
Std Dev 0.5707

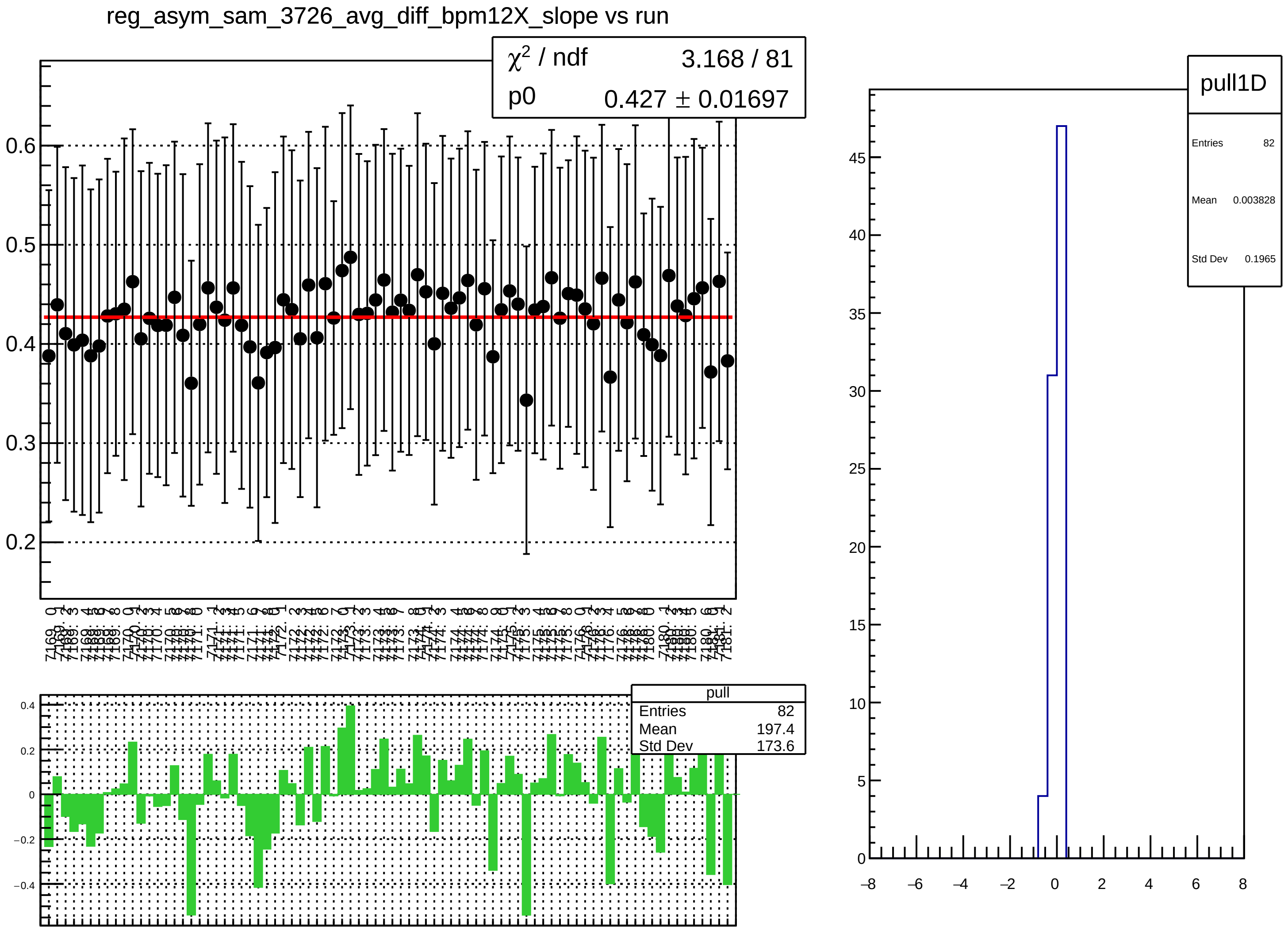

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.888 / 81
p0 4.41 ± 0.3255
pull
Entries 82
Mean −25.91
Std Dev 65.27
pull1D
Entries 82
Mean −0.02089
Std Dev 0.2891

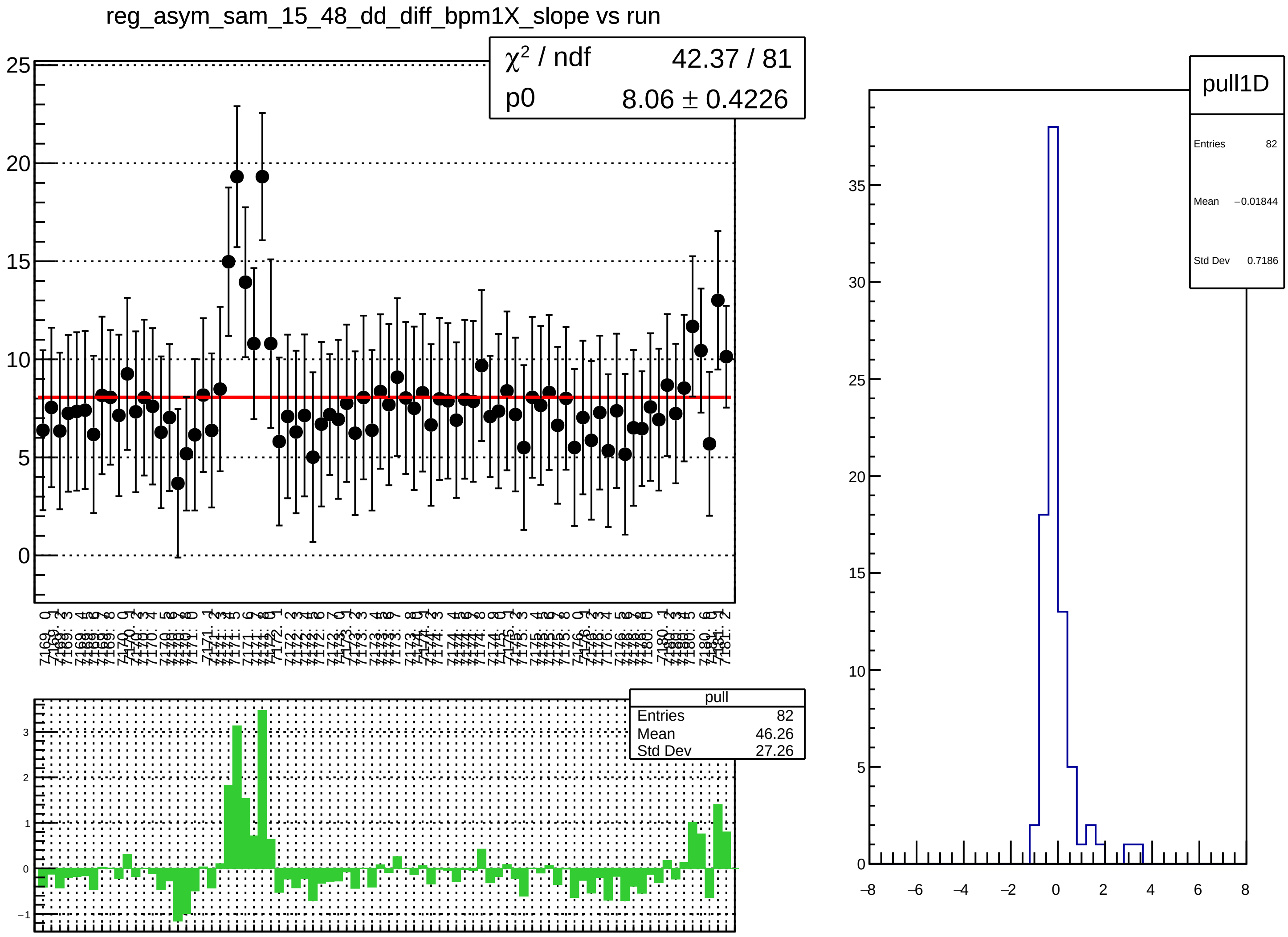


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 30.65 / 81
p0 −39 ± 0.4581
−30
−35
−40
−45
−50
pull
Entries 82
Mean −5.287
Std Dev 4.68
pull1D
Entries 82
Mean −0.0314
Std Dev 0.6106

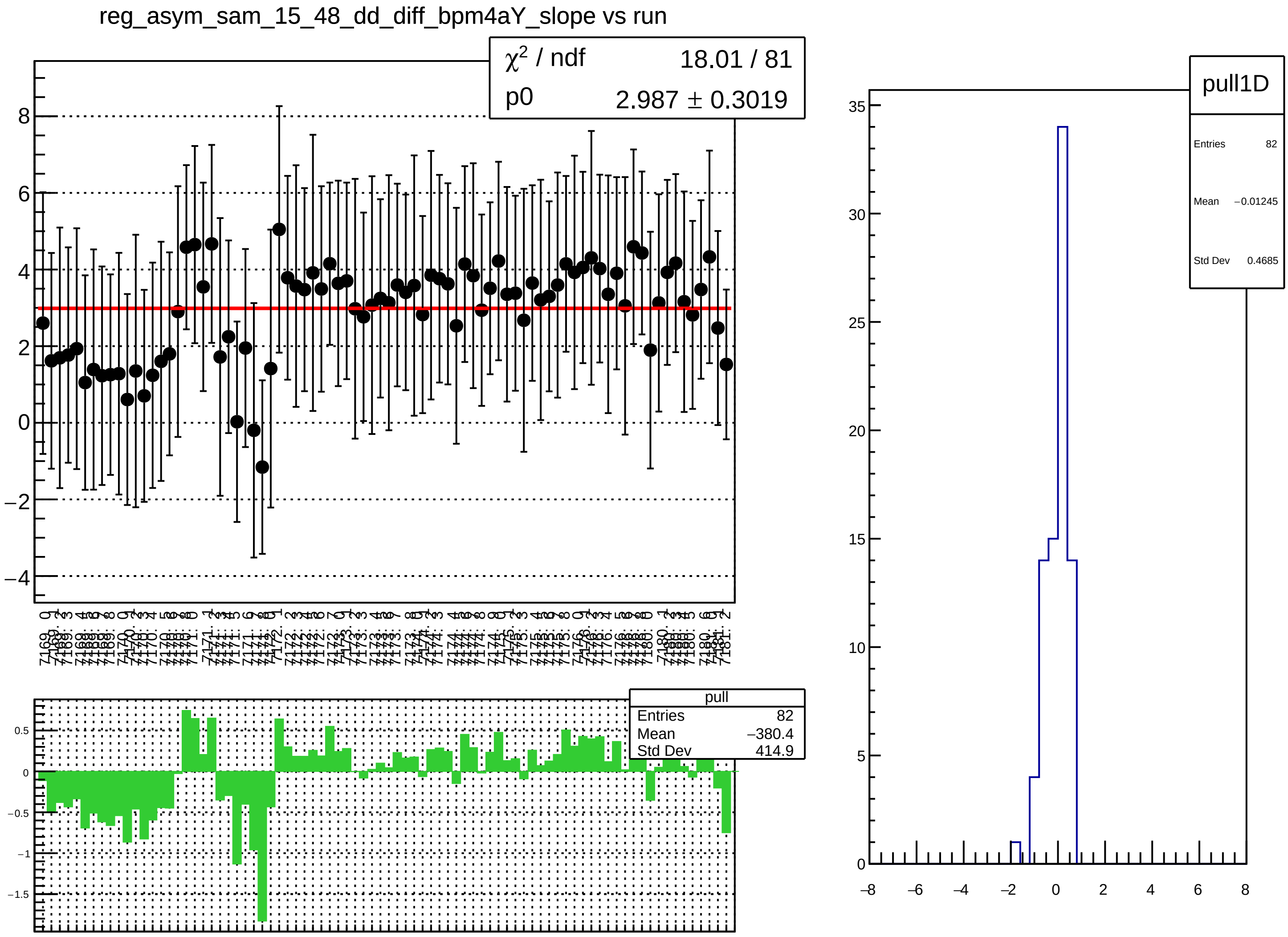


reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.064 / 81
p0 −10.81 ± 0.3659
pull
Entries 82
Mean −74.36
Std Dev 121.7
pull1D
Entries 82
Mean 0.015
Std Dev 0.3321

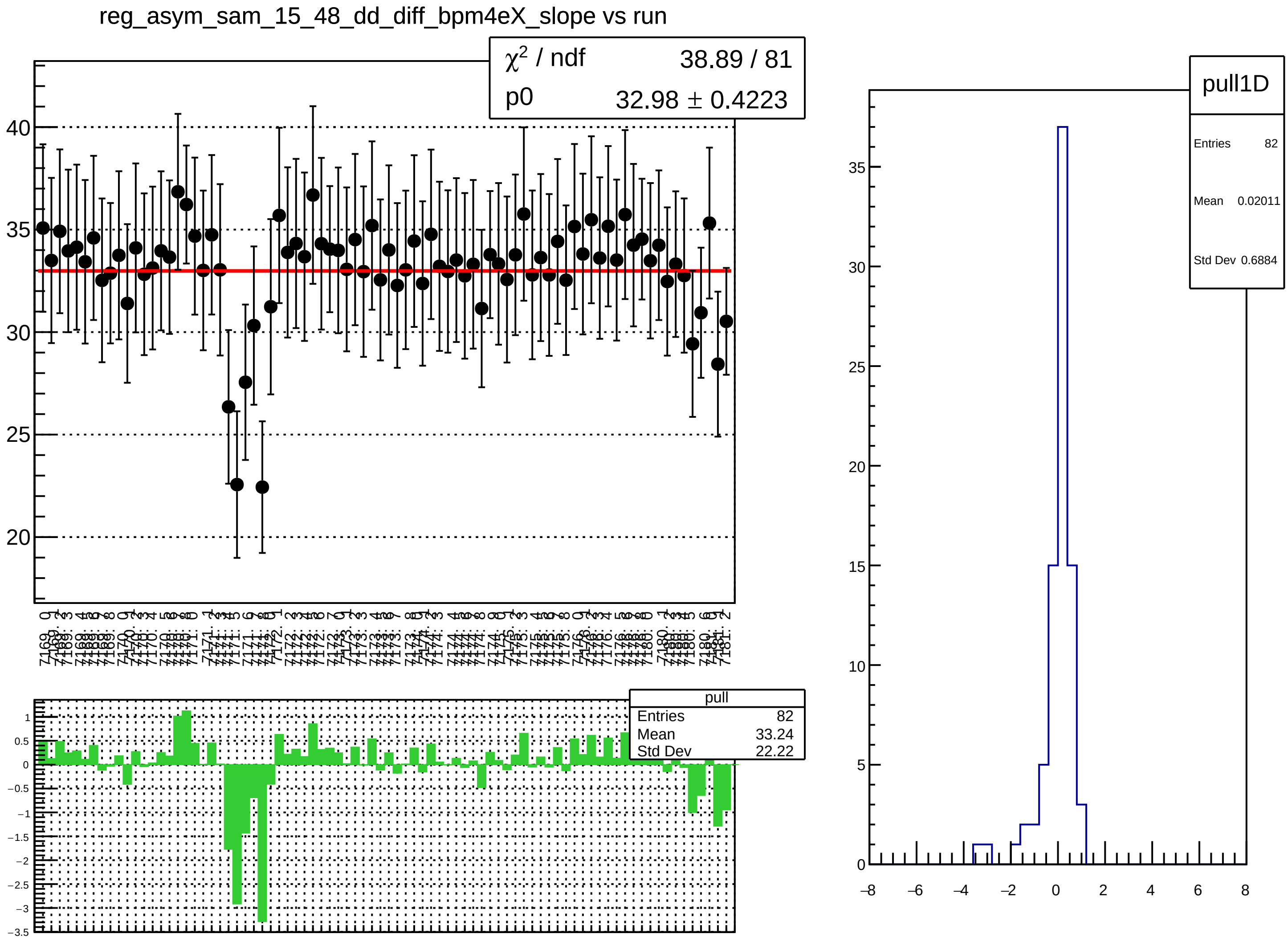

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.168 / 81
p0 0.427 ± 0.01697
pull
Entries 82
Mean 197.4
Std Dev 173.6
pull1D
Entries 82
Mean 0.003828
Std Dev 0.1965



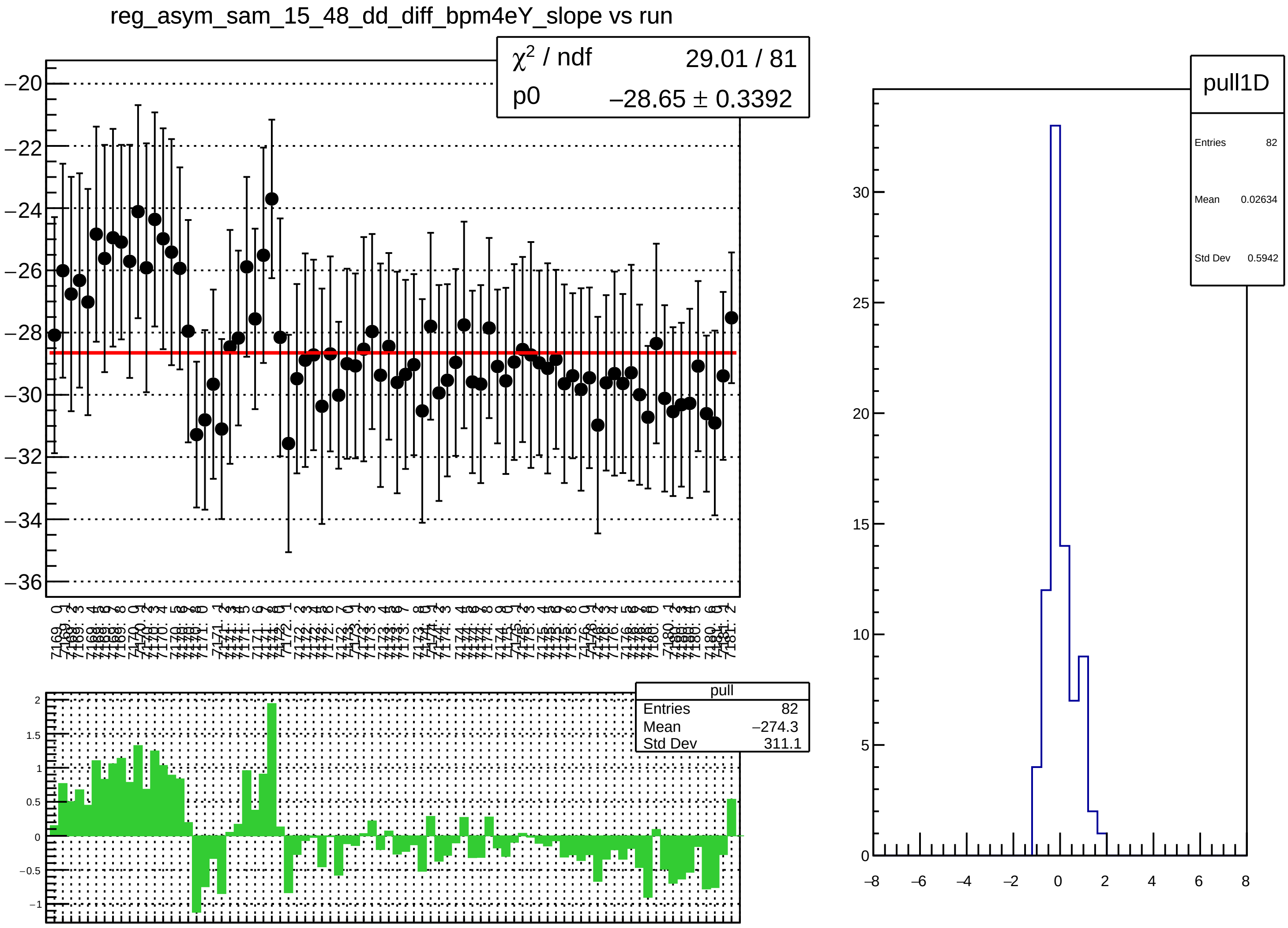
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 42.37 / 81
p0 8.06 ± 0.4226
pull
Entries 82
Mean 46.26
Std Dev 27.26
pull1D
Entries 82
Mean −0.01844
Std Dev 0.7186



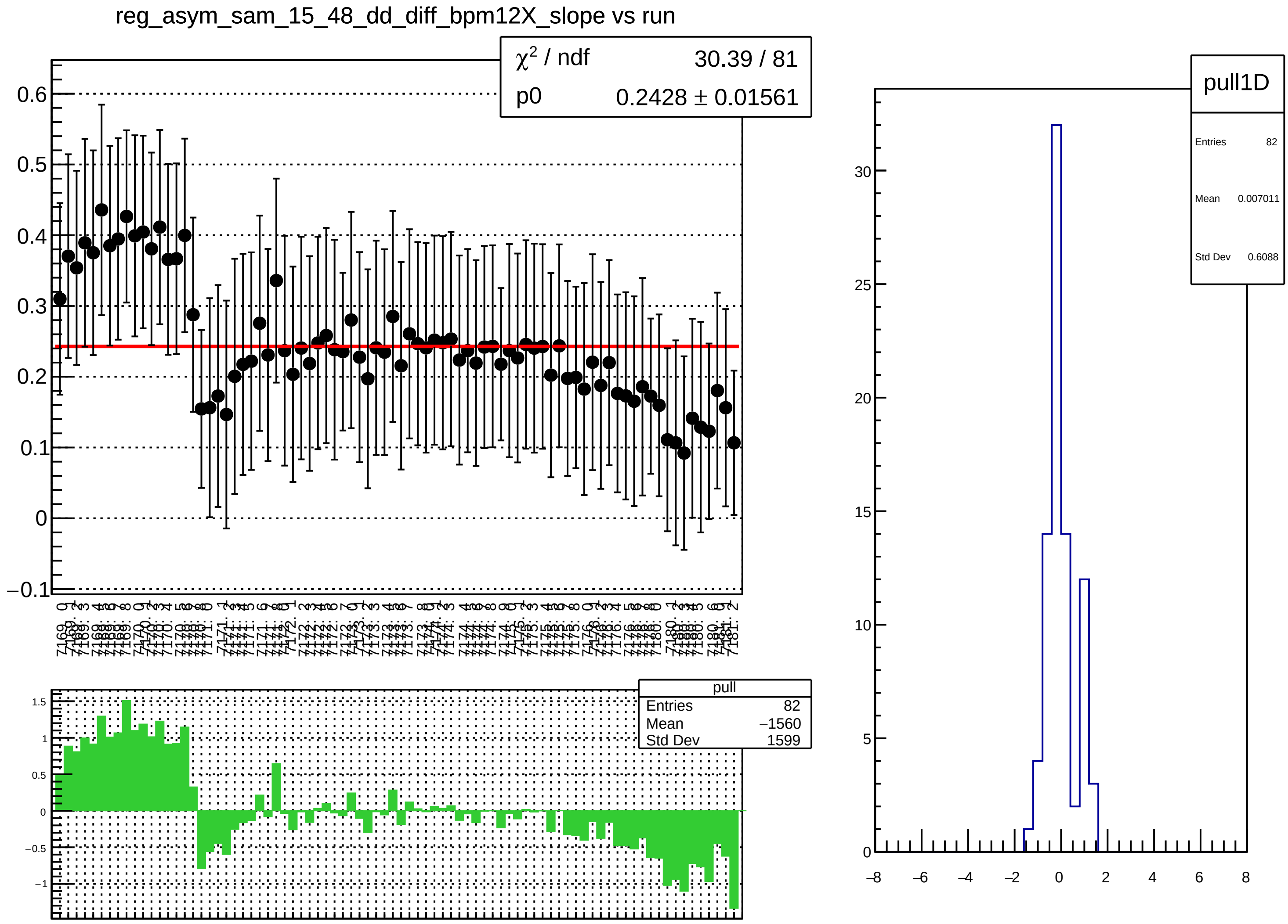
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 18.01 / 81
p0 2.987 ± 0.3019
pull
Entries 82
Mean −380.4
Std Dev 414.9
pull1D
Entries 82
Mean −0.01245
Std Dev 0.4685

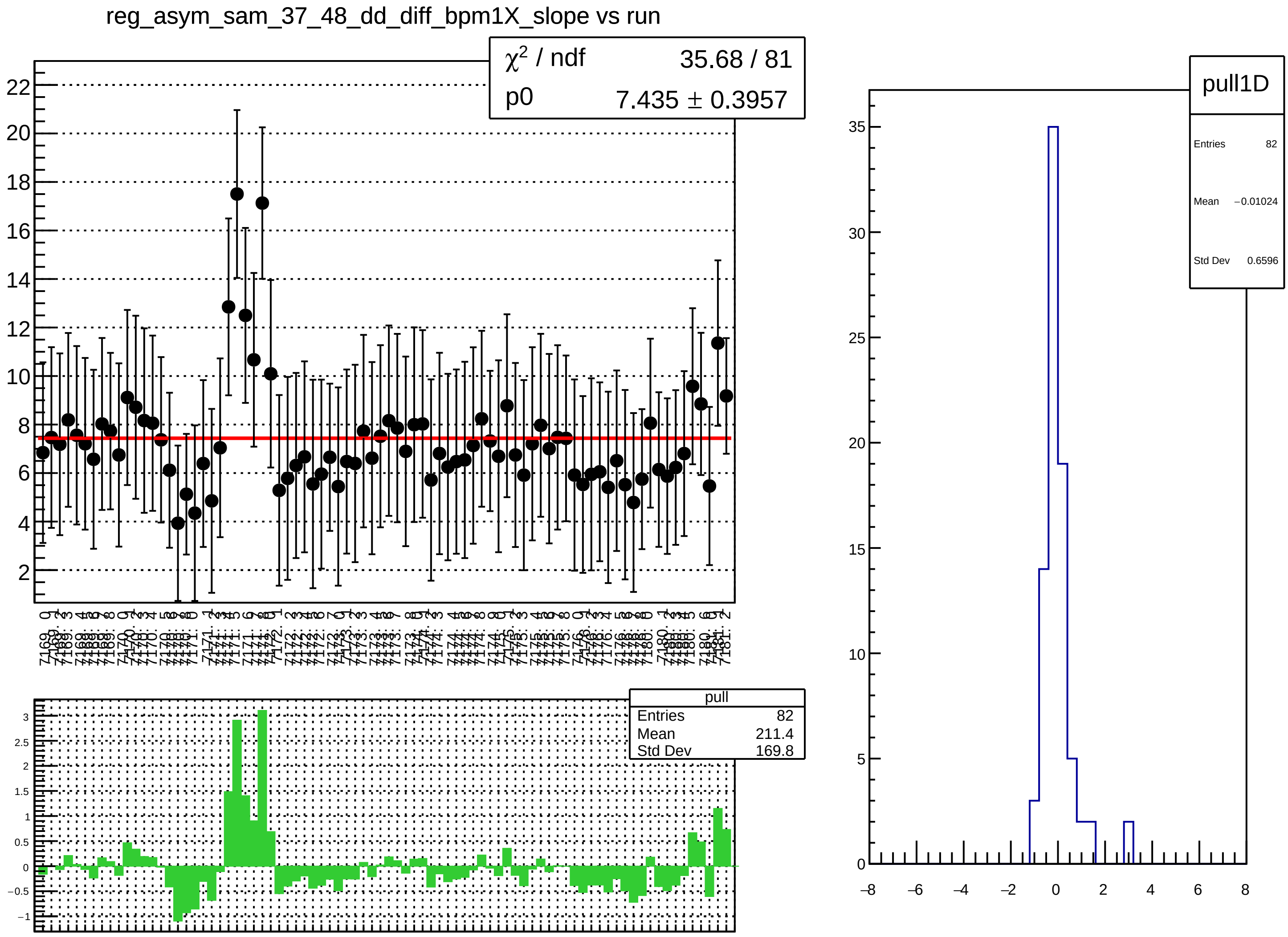


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 38.89 / 81
p0 32.98 ± 0.4223
pull
Entries 82
Mean 33.24
Std Dev 22.22
pull1D
Entries 82
Mean 0.02011
Std Dev 0.6884

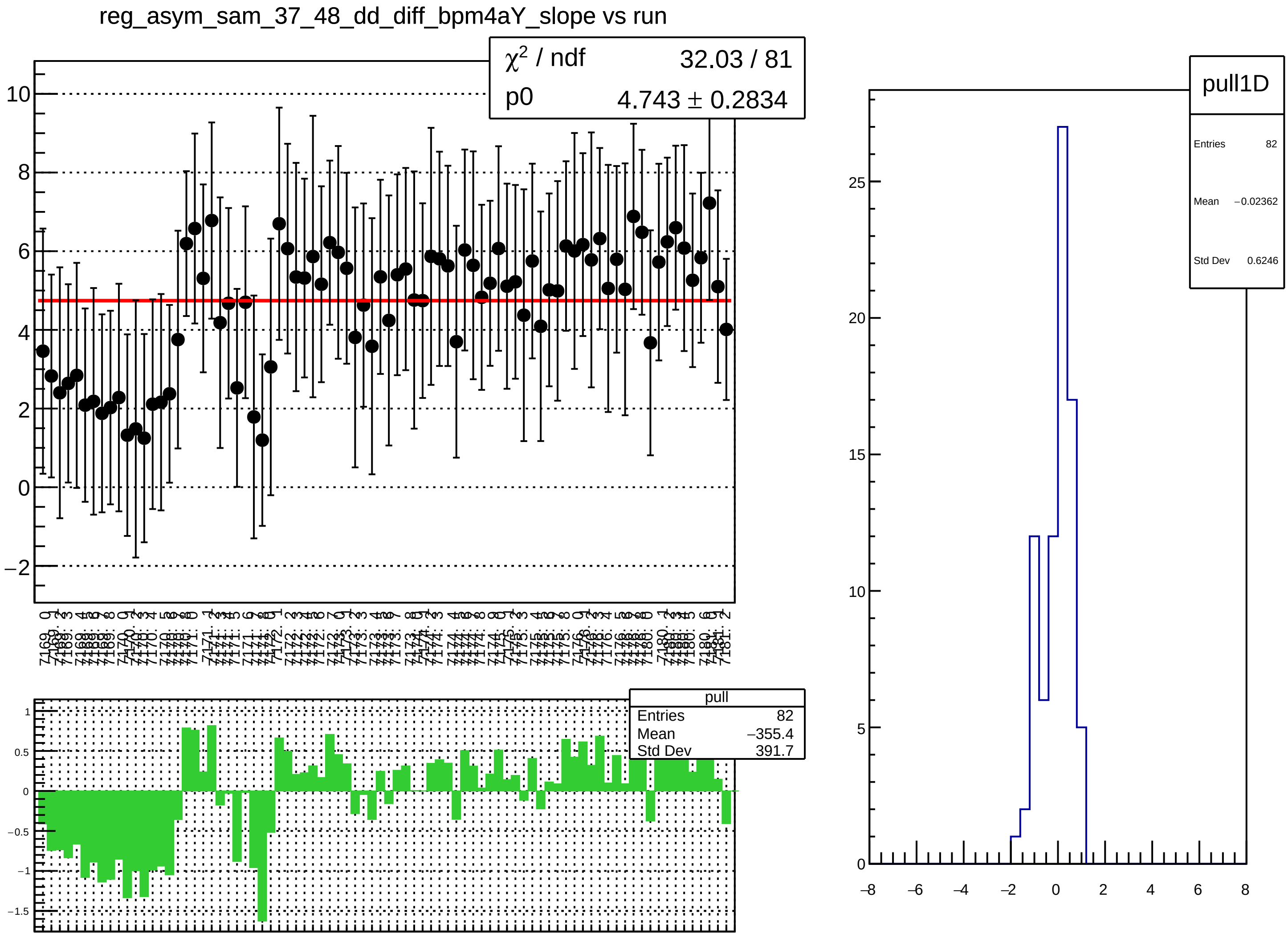


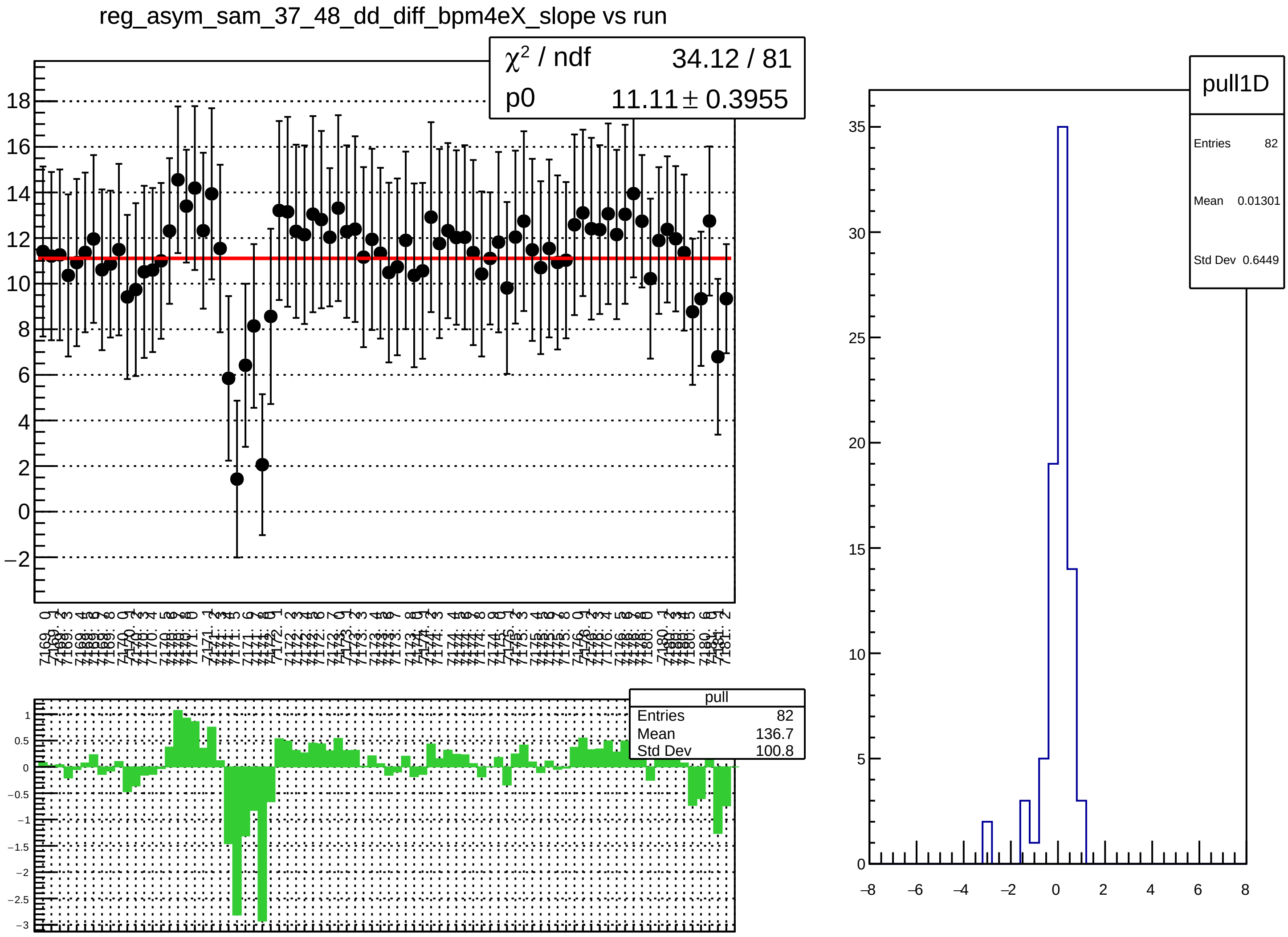
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 29.01 / 81
p0 −28.65 ± 0.3392
pull
Entries 82
Mean −274.3
Std Dev 311.1
pull1D
Entries 82
Mean 0.02634
Std Dev 0.5942

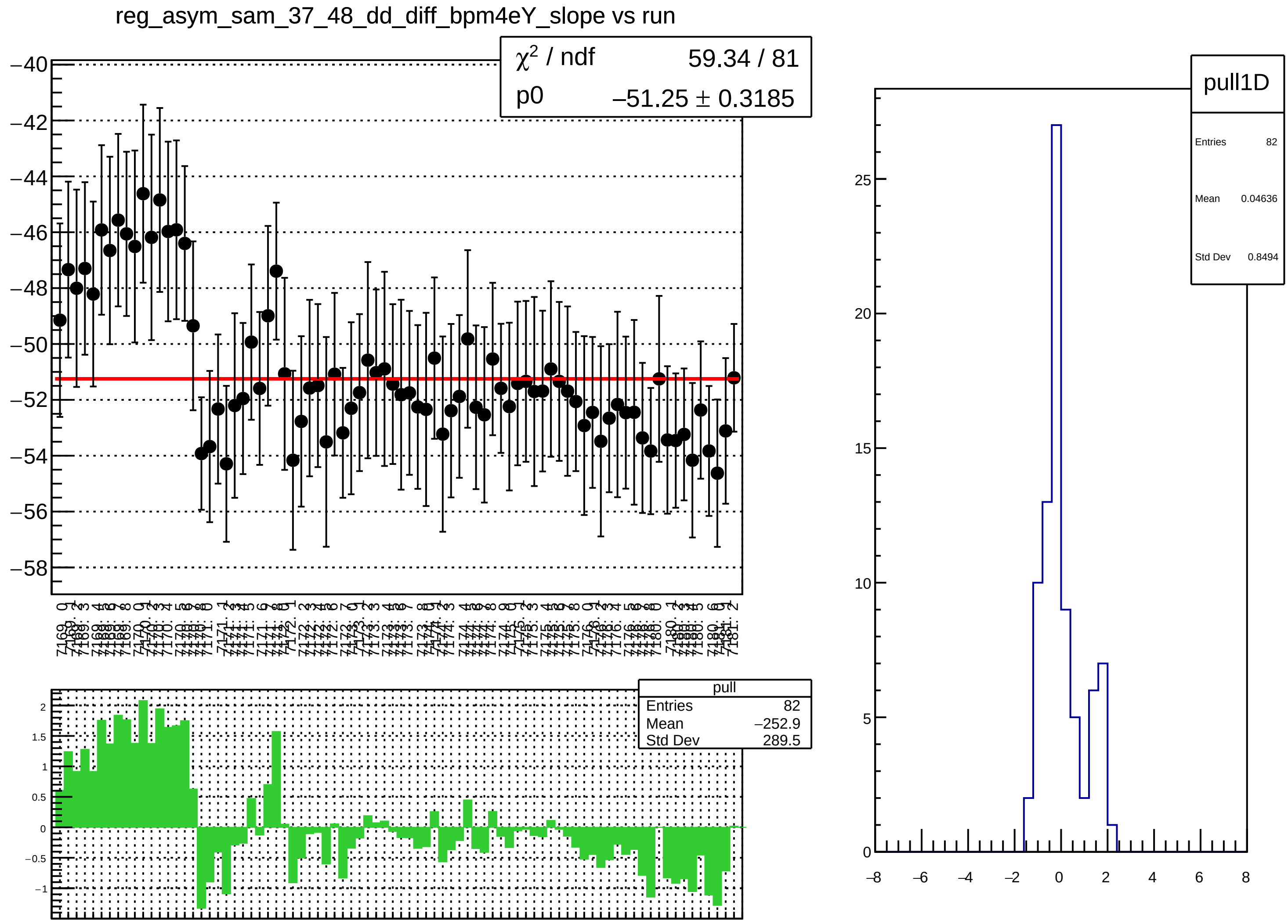

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.39 / 81
p0 0.2428 ± 0.01561
pull
Entries 82
Mean −1560
Std Dev 1599
pull1D
Entries 82
Mean 0.007011
Std Dev 0.6088



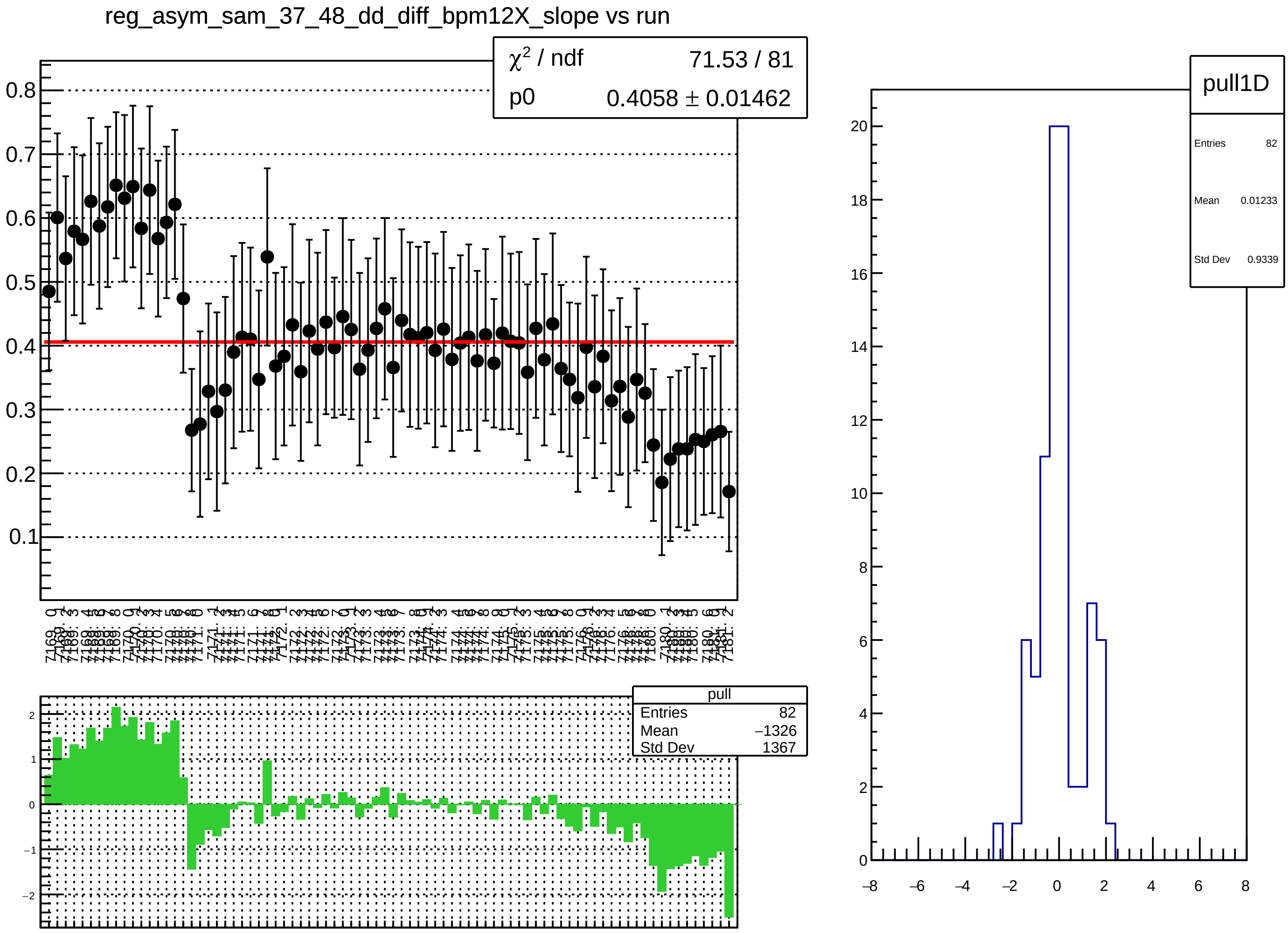
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 35.68 / 81
p0 7.435 ± 0.3957
pull
Entries 82
Mean 211.4
Std Dev 169.8
pull1D
Entries 82
Mean −0.01024
Std Dev 0.6596

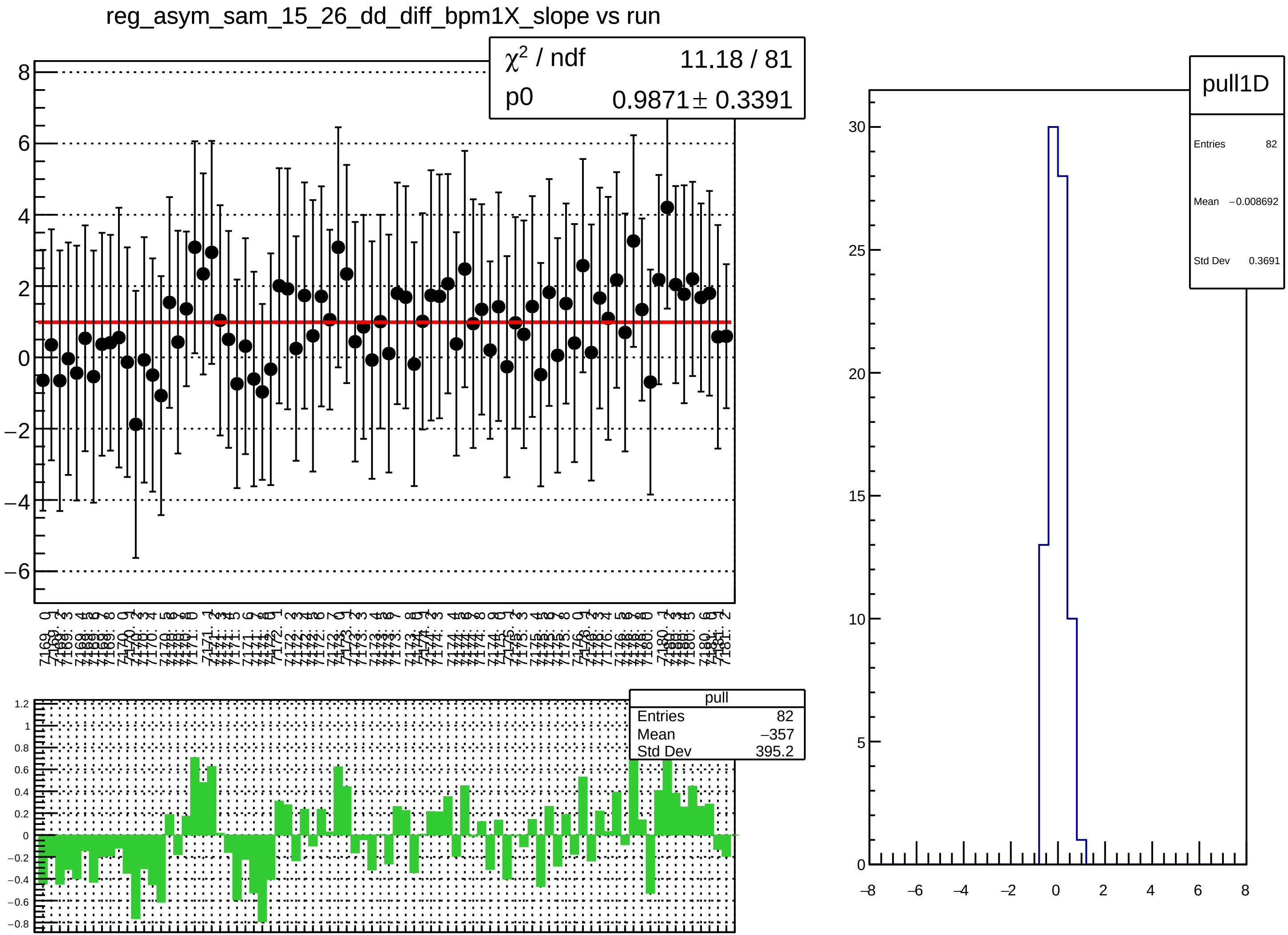

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 32.03 / 81
p0 4.743 ± 0.2834
pull
Entries 82
Mean −355.4
Std Dev 391.7
pull1D
Entries 82
Mean −0.02362
Std Dev 0.6246

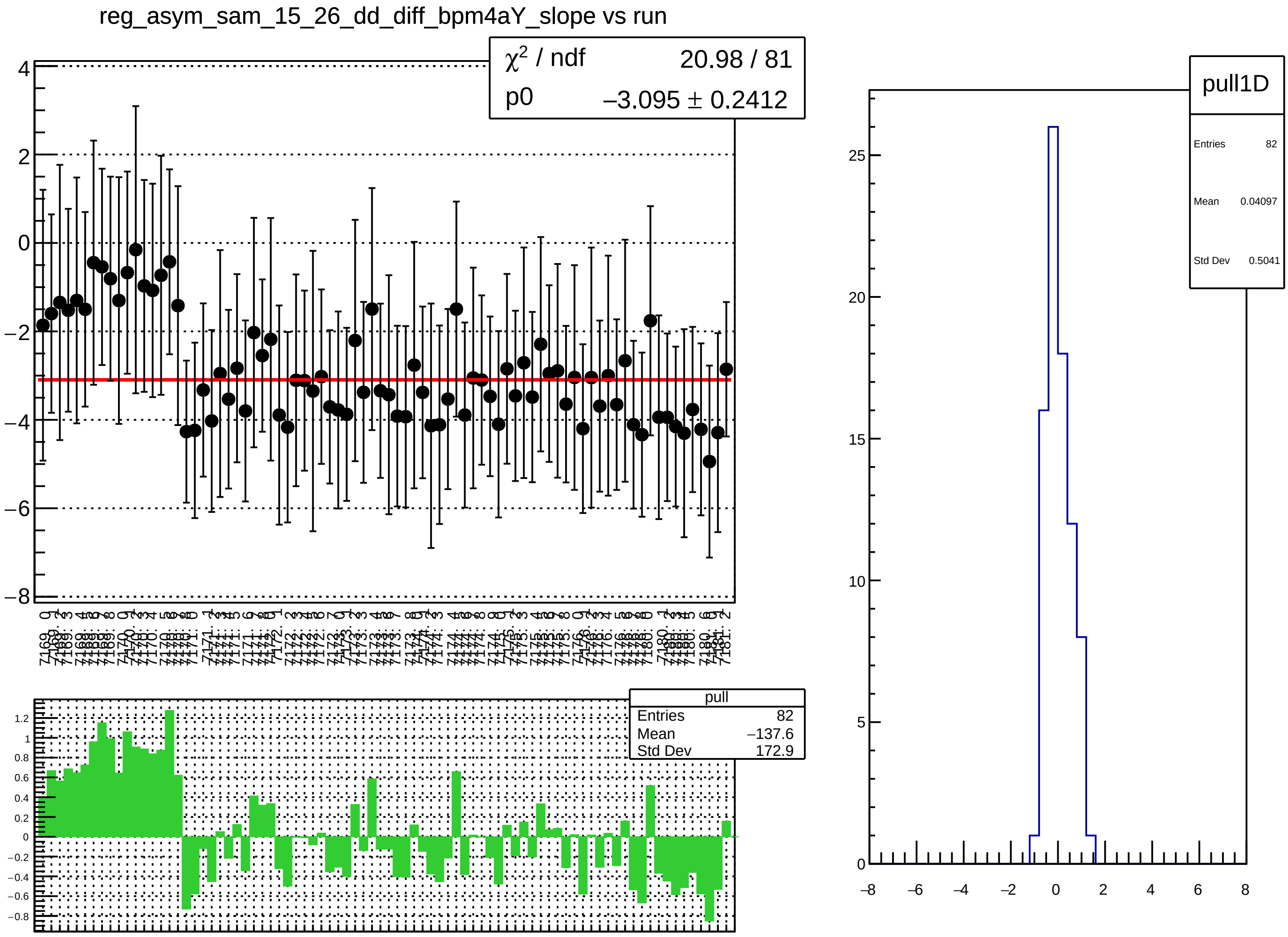

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 34.12 / 81
p0 11.11 ± 0.3955
pull
Entries 82
Mean 136.7
Std Dev 100.8
pull1D
Entries 82
Mean 0.01301
Std Dev 0.6449



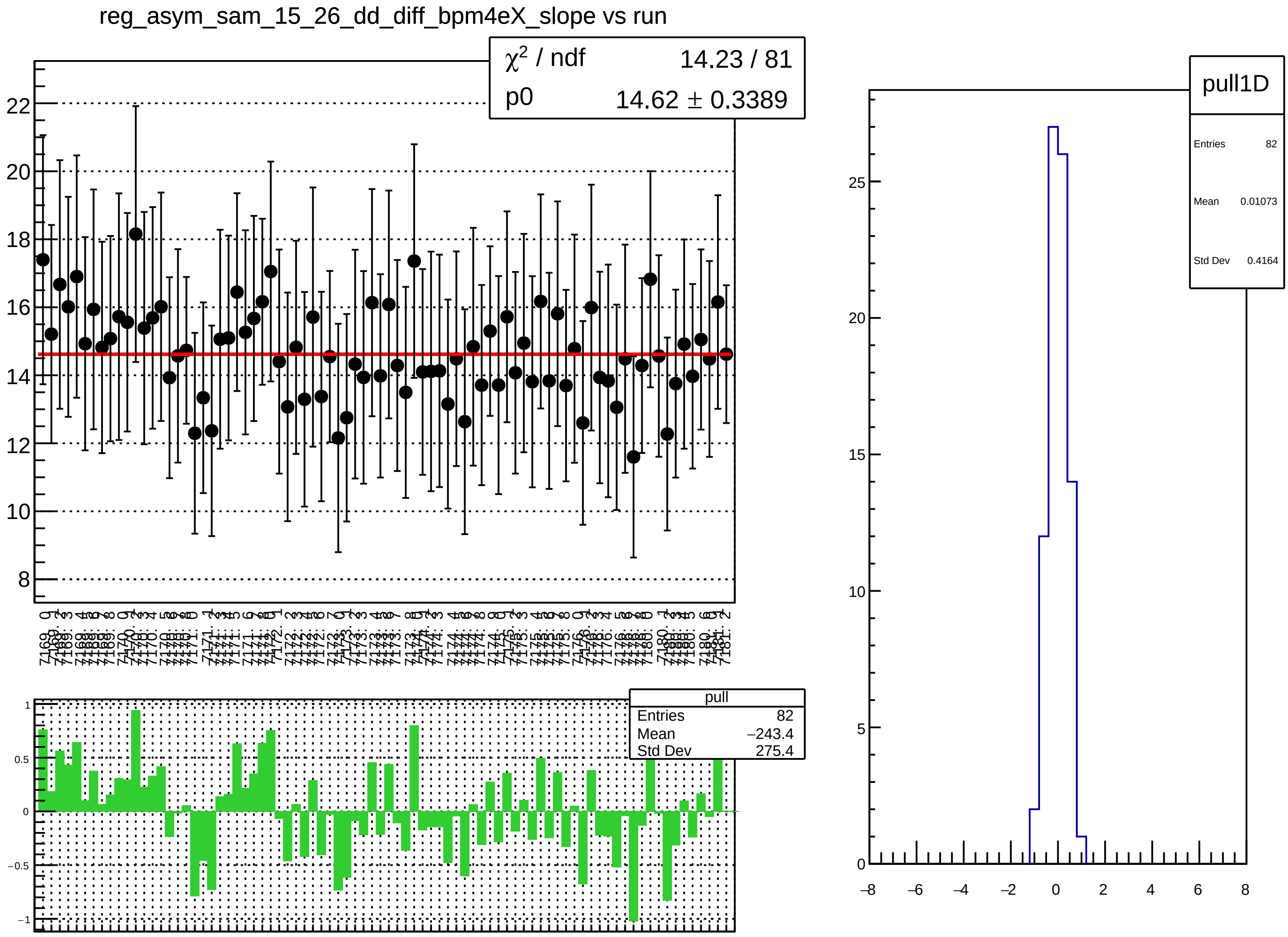
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 59.34 / 81
p0 −51.25 ± 0.3185
pull
Entries 82
Mean −252.9
Std Dev 289.5
pull1D
Entries 82
Mean 0.04636
Std Dev 0.8494


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 71.53 / 81
p0 0.4058 ± 0.01462
pull
Entries 82
Mean −1326
Std Dev 1367
pull1D
Entries 82
Mean 0.01233
Std Dev 0.9339

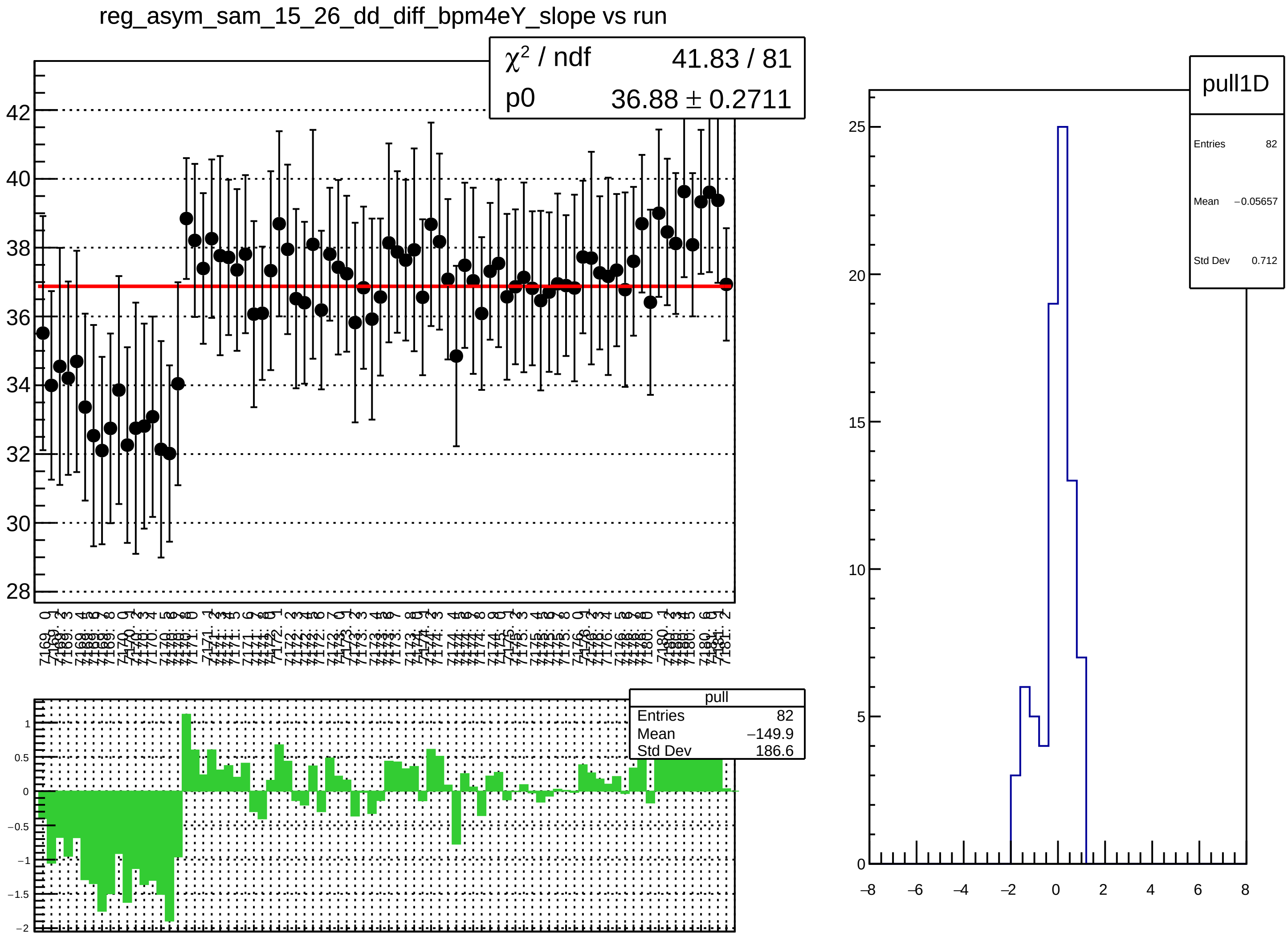

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.18 / 81
p0 0.9871 ± 0.3391
pull
Entries 82
Mean −357
Std Dev 395.2
pull1D
Entries 82
Mean −0.008692
Std Dev 0.3691



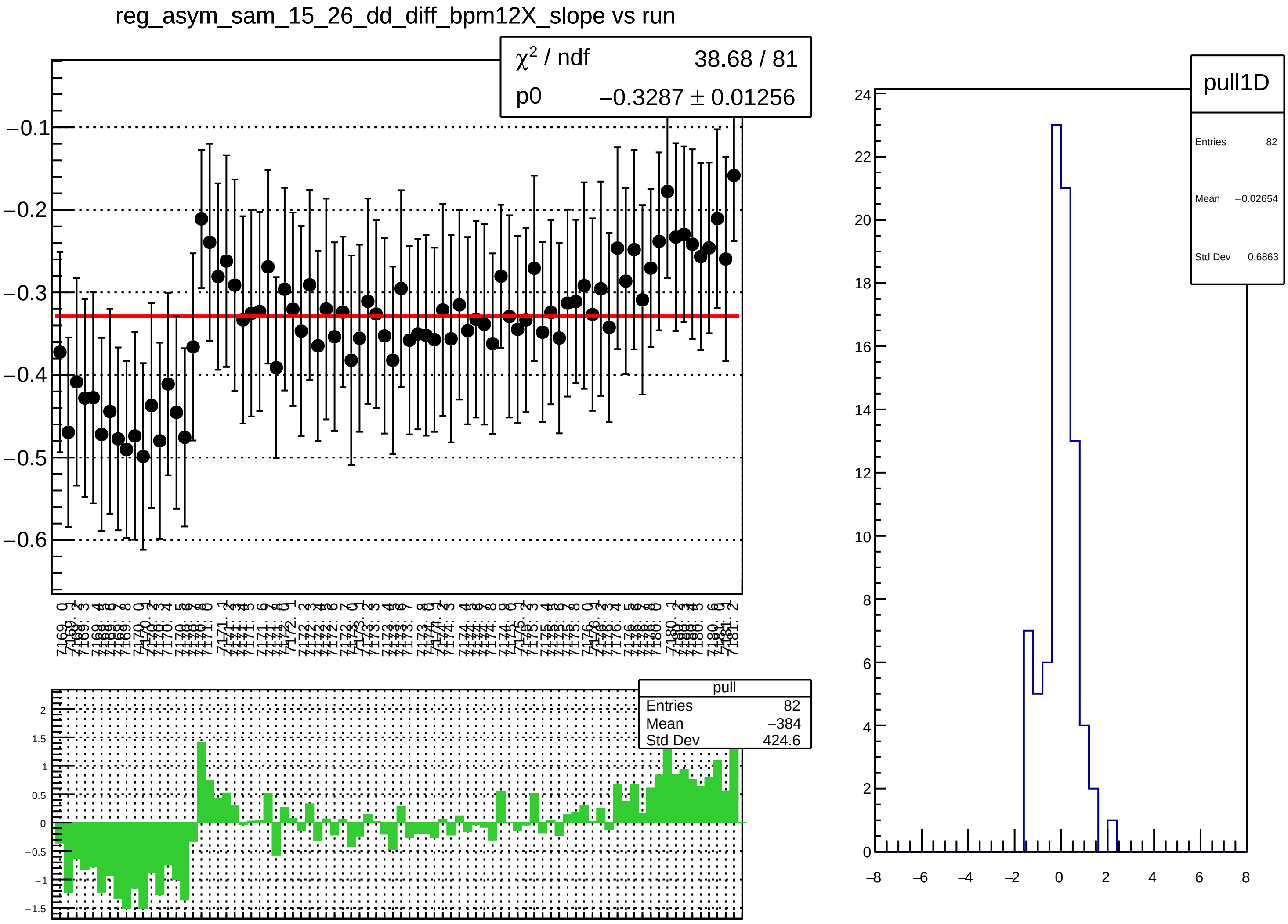
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 20.98 / 81
p0 −3.095 ± 0.2412
pull
Entries 82
Mean −137.6
Std Dev 172.9
pull1D
Entries 82
Mean 0.04097
Std Dev 0.5041



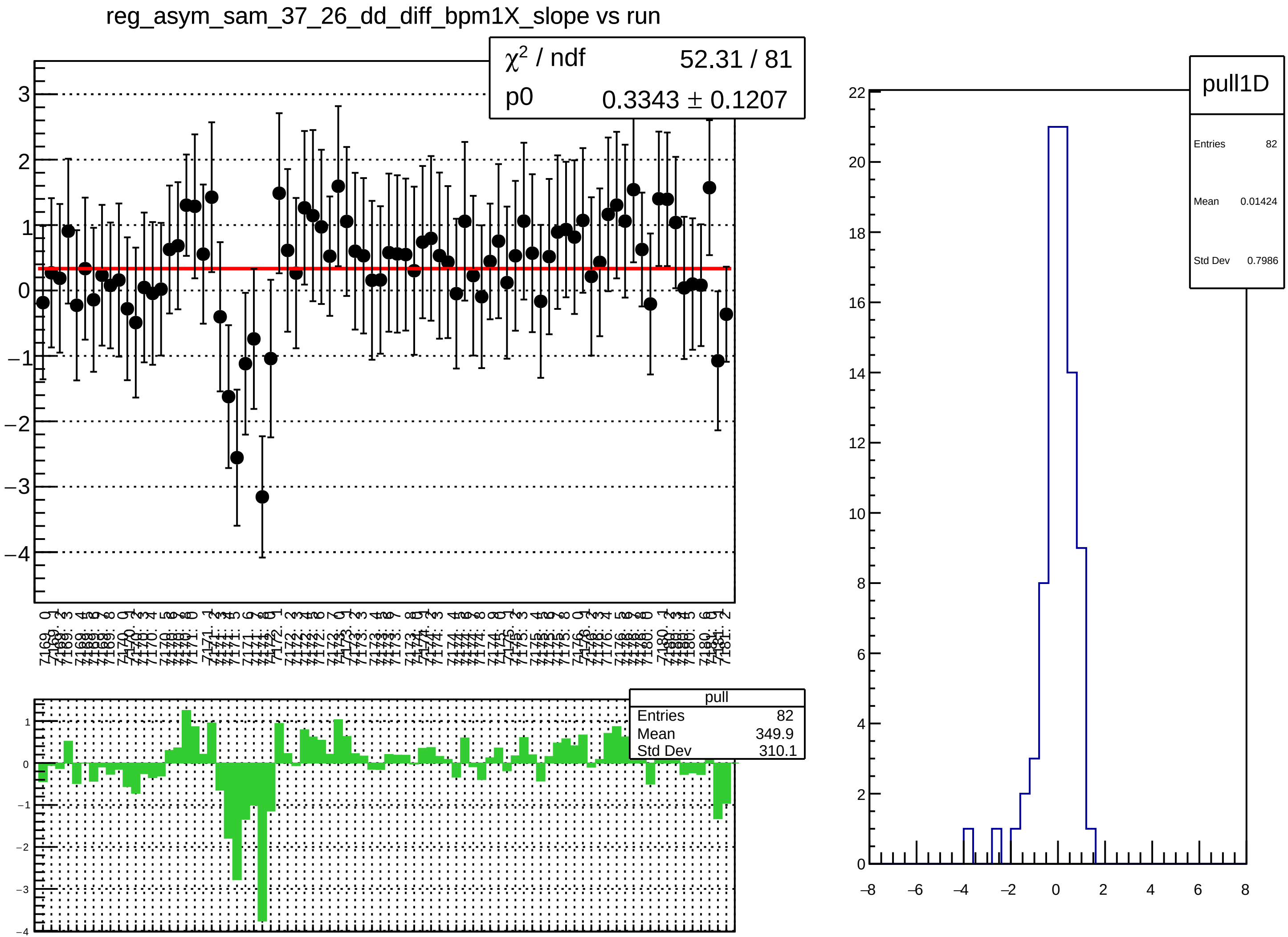
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.23 / 81
p0 14.62 ± 0.3389
pull
Entries 82
Mean −243.4
Std Dev 275.4
pull1D
Entries 82
Mean 0.01073
Std Dev 0.4164



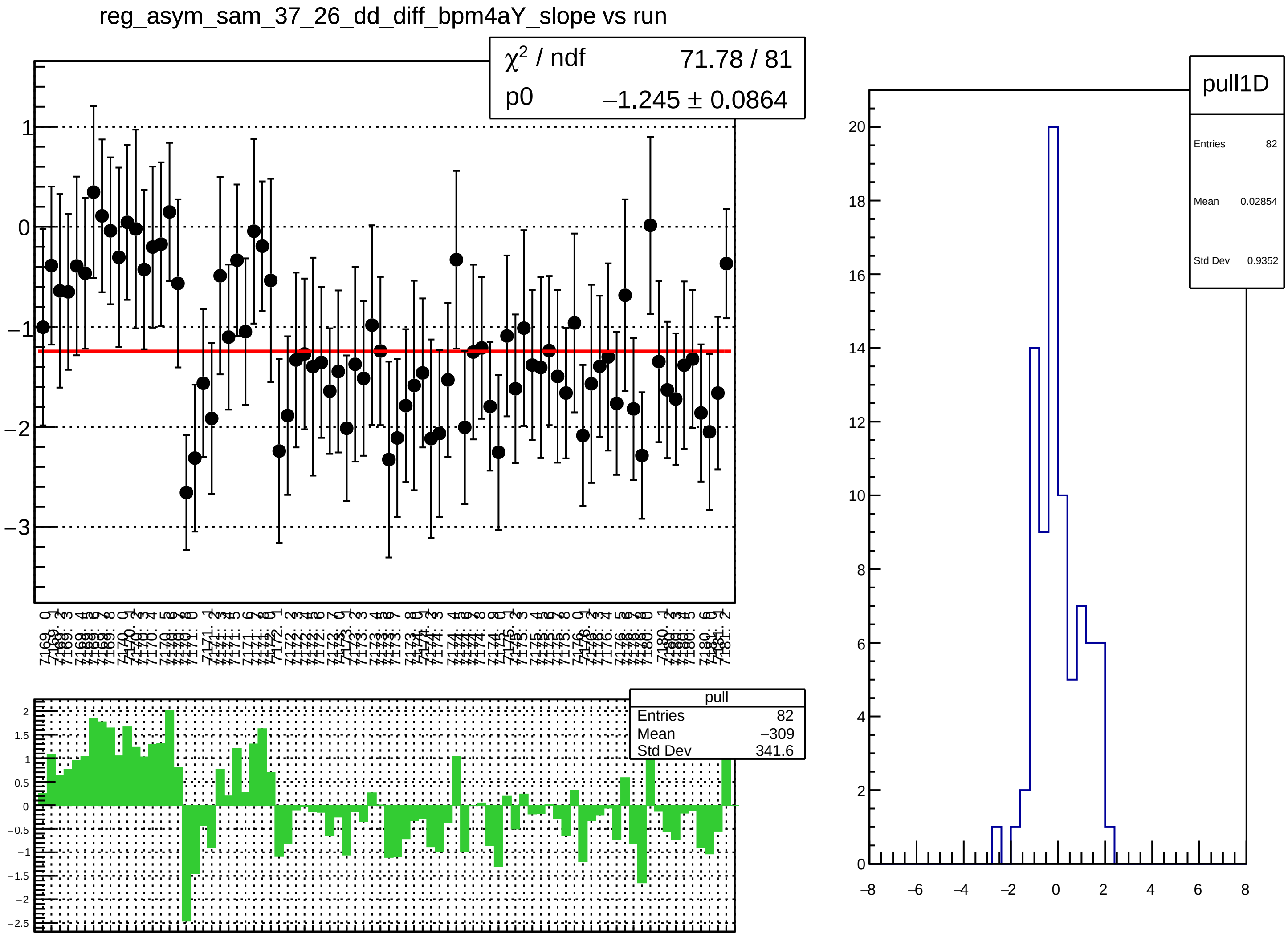
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.83 / 81
p0 36.88 ± 0.2711
pull
Entries 82
Mean −149.9
Std Dev 186.6
pull1D
Entries 82
Mean −0.05657
Std Dev 0.712



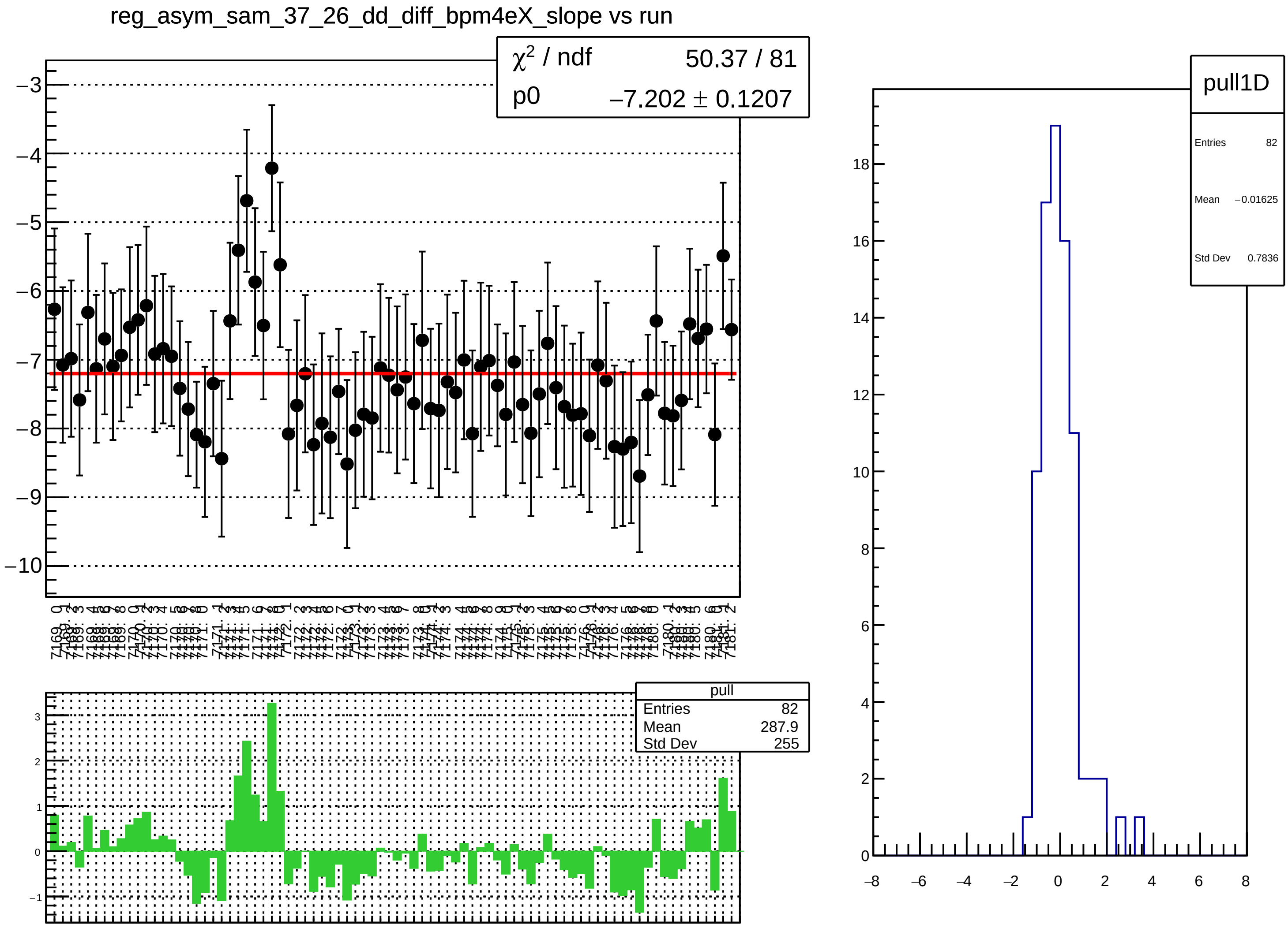
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 38.68 / 81
p0 −0.3287 ± 0.01256
pull
Entries 82
Mean −384
Std Dev 424.6
pull1D
Entries 82
Mean −0.02654
Std Dev 0.6863



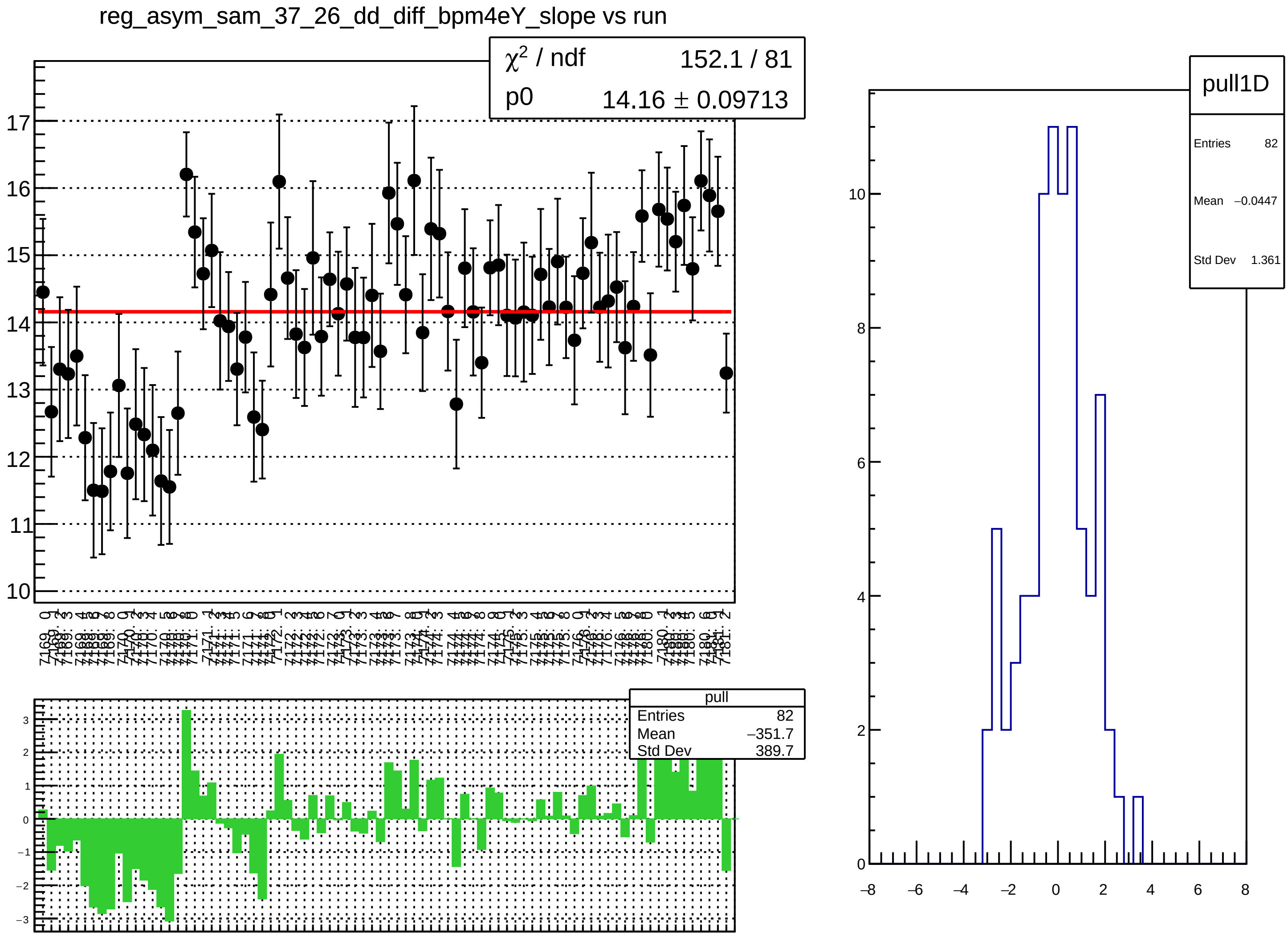
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 52.31 / 81
p0 0.3343 ± 0.1207
pull
Entries 82
Mean 349.9
Std Dev 310.1
pull1D
Entries 82
Mean 0.01424
Std Dev 0.7986



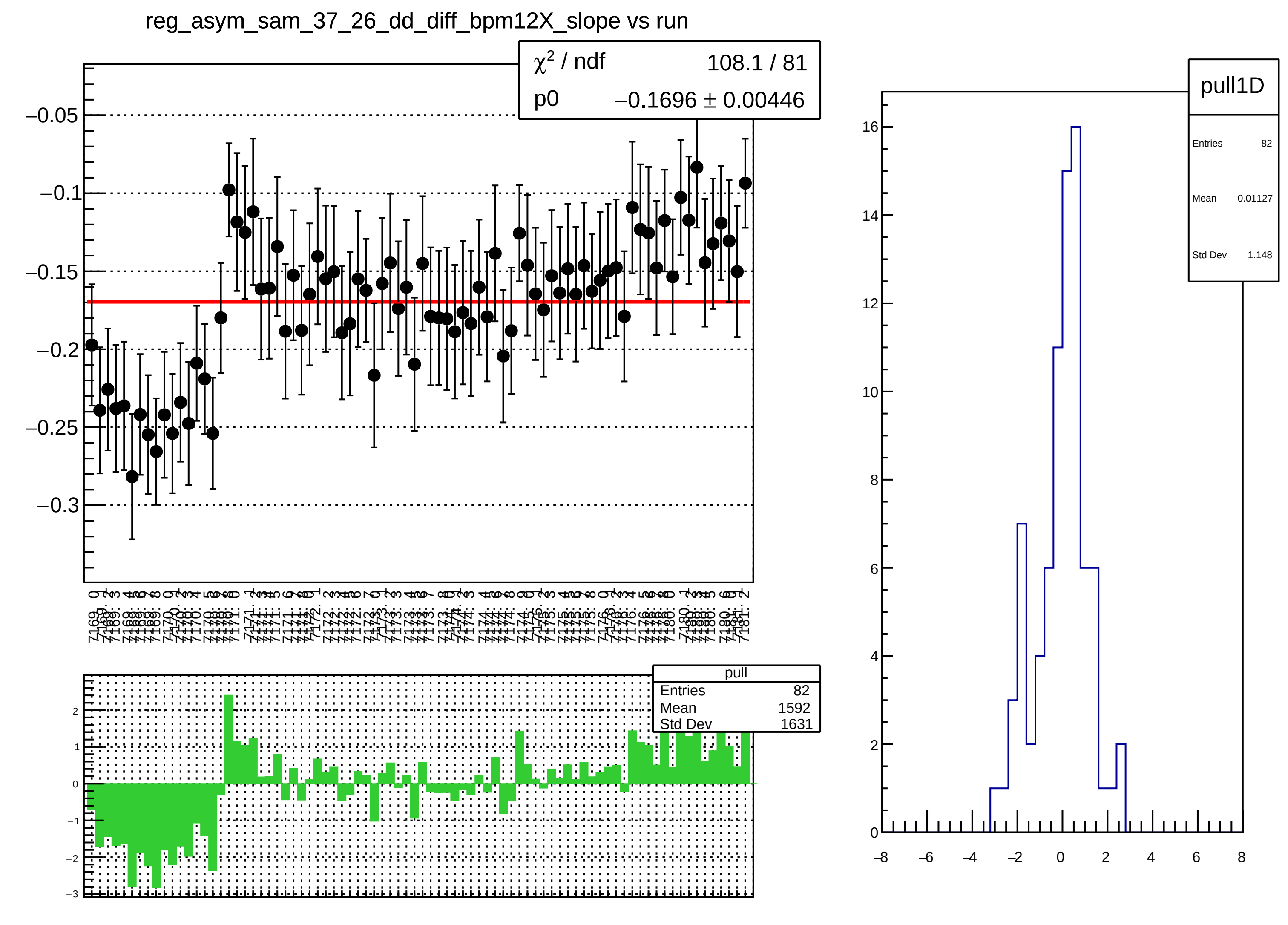
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 71.78 / 81
p0 −1.245 ± 0.0864
pull
Entries 82
Mean −309
Std Dev 341.6
pull1D
Entries 82
Mean 0.02854
Std Dev 0.9352



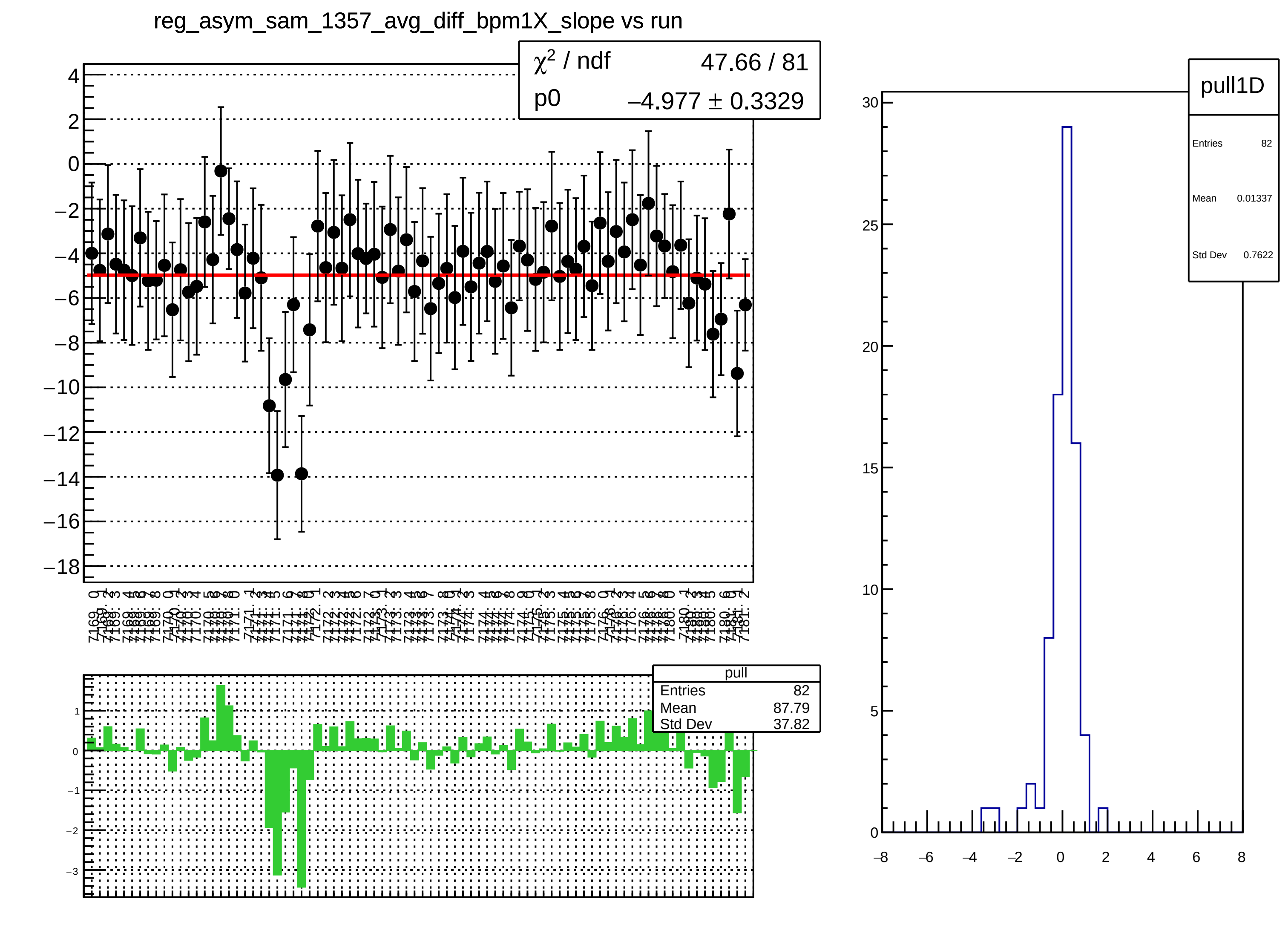
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 50.37 / 81
p0 −7.202 ± 0.1207
pull
Entries 82
Mean 287.9
Std Dev 255
pull1D
Entries 82
Mean −0.01625
Std Dev 0.7836

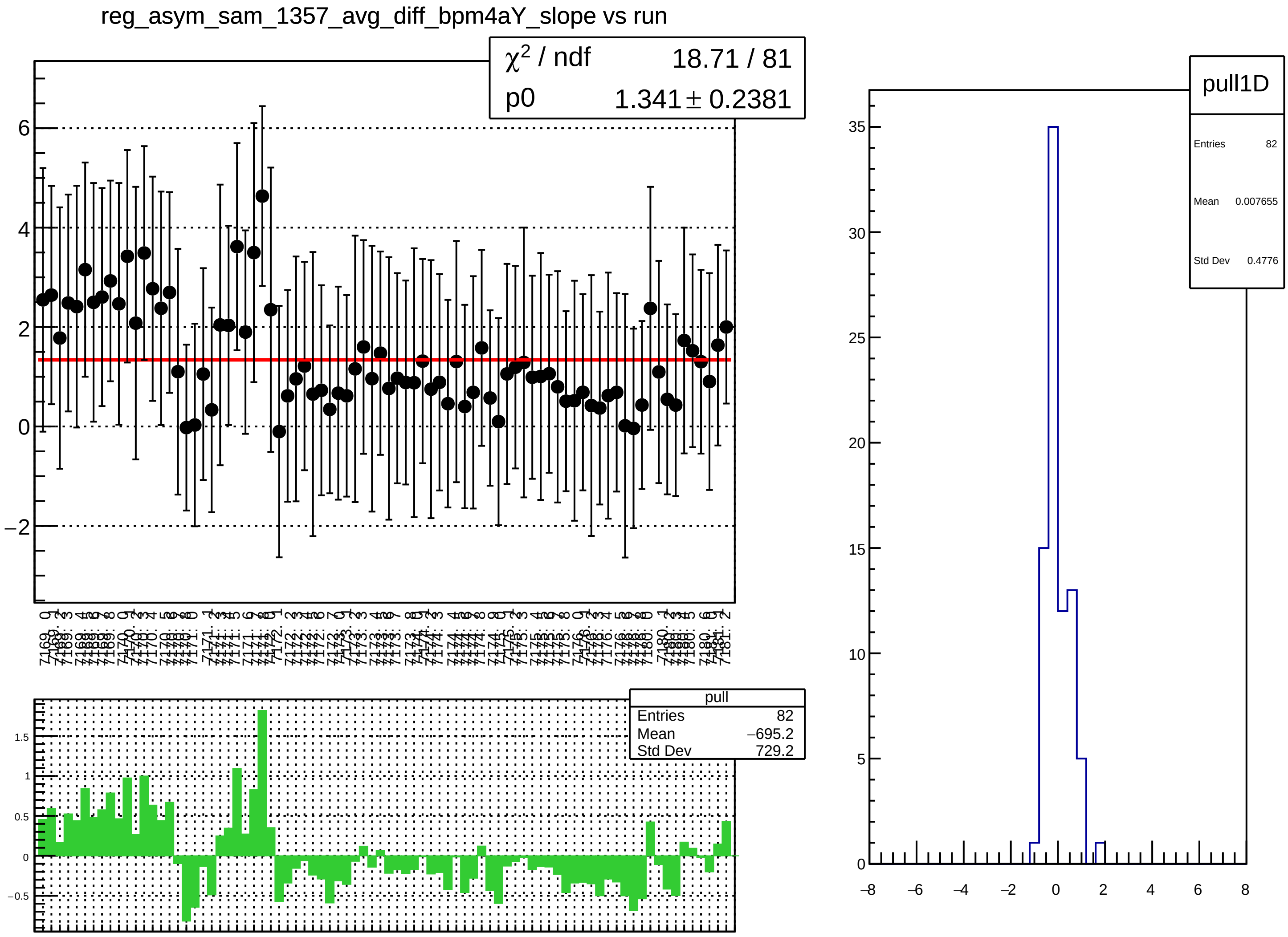


reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 152.1 / 81
p0 14.16 ± 0.09713
pull
Entries 82
Mean −351.7
Std Dev 389.7
pull1D
Entries 82
Mean −0.0447
Std Dev 1.361

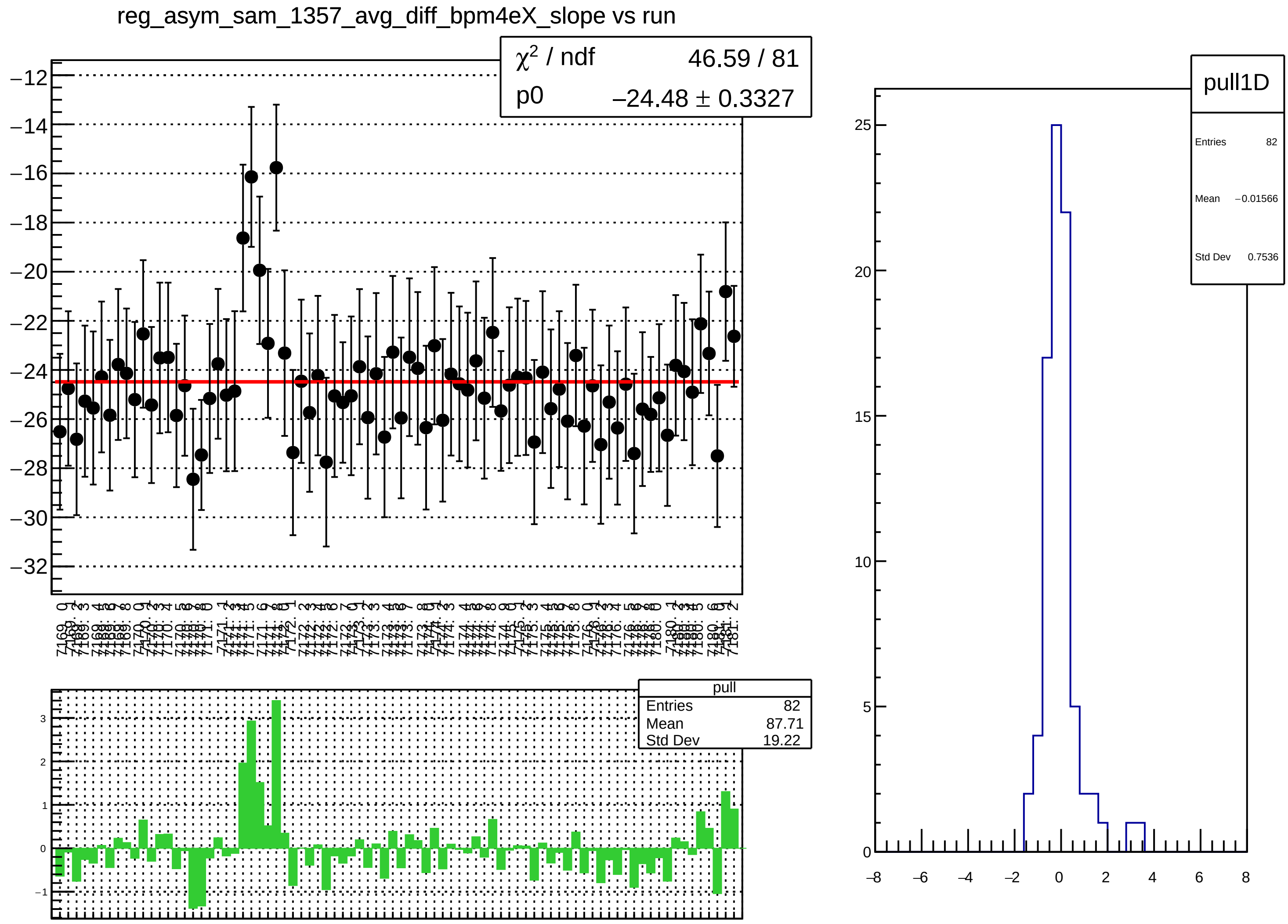


reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 108.1 / 81
p0 −0.1696 ± 0.00446
pull
Entries 82
Mean −1592
Std Dev 1631
pull1D
Entries 82
Mean −0.01127
Std Dev 1.148

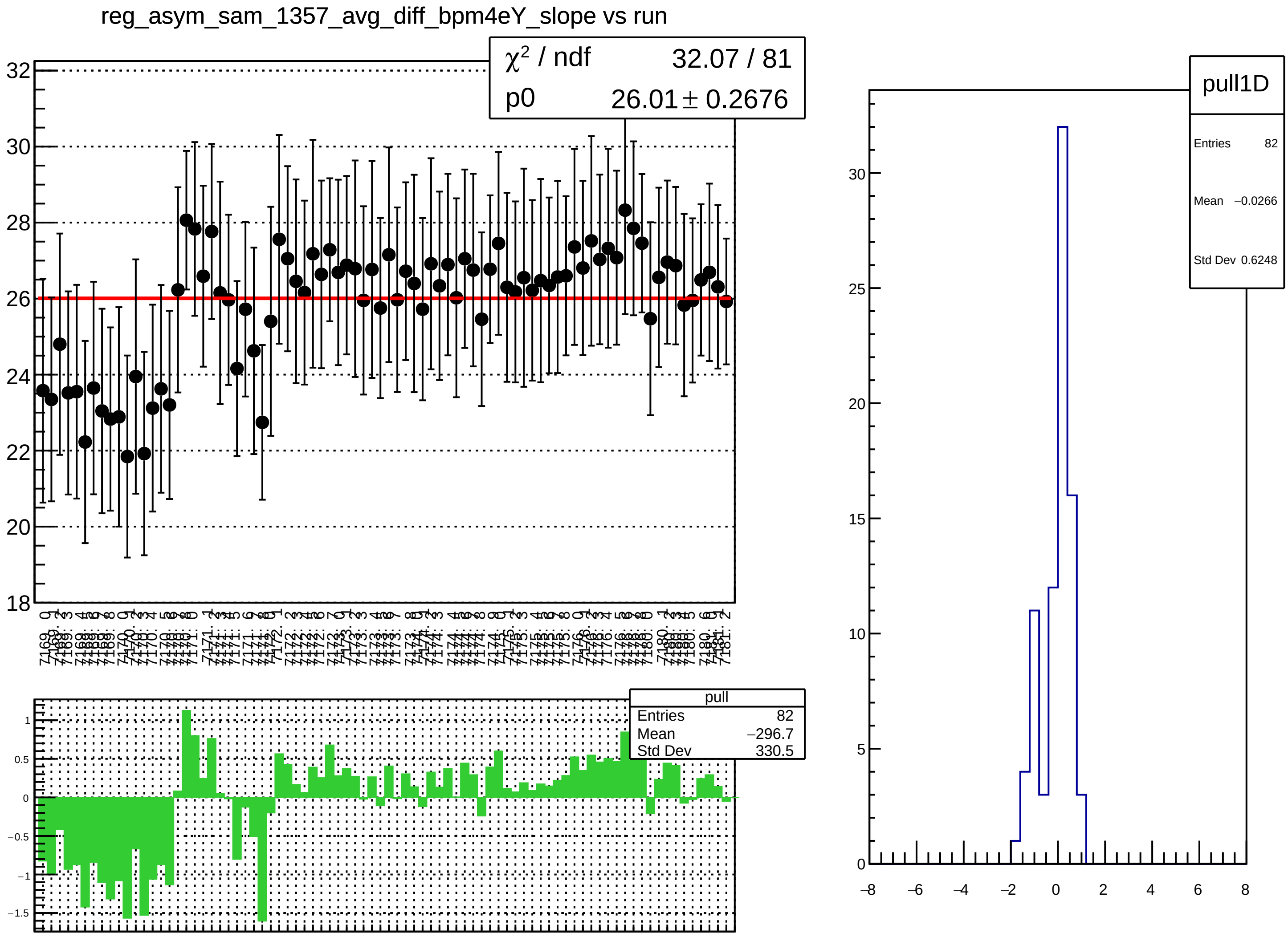

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 47.66 / 81
p0 −4.977 ± 0.3329
pull
Entries 82
Mean 87.79
Std Dev 37.82
pull1D
Entries 82
Mean 0.01337
Std Dev 0.7622



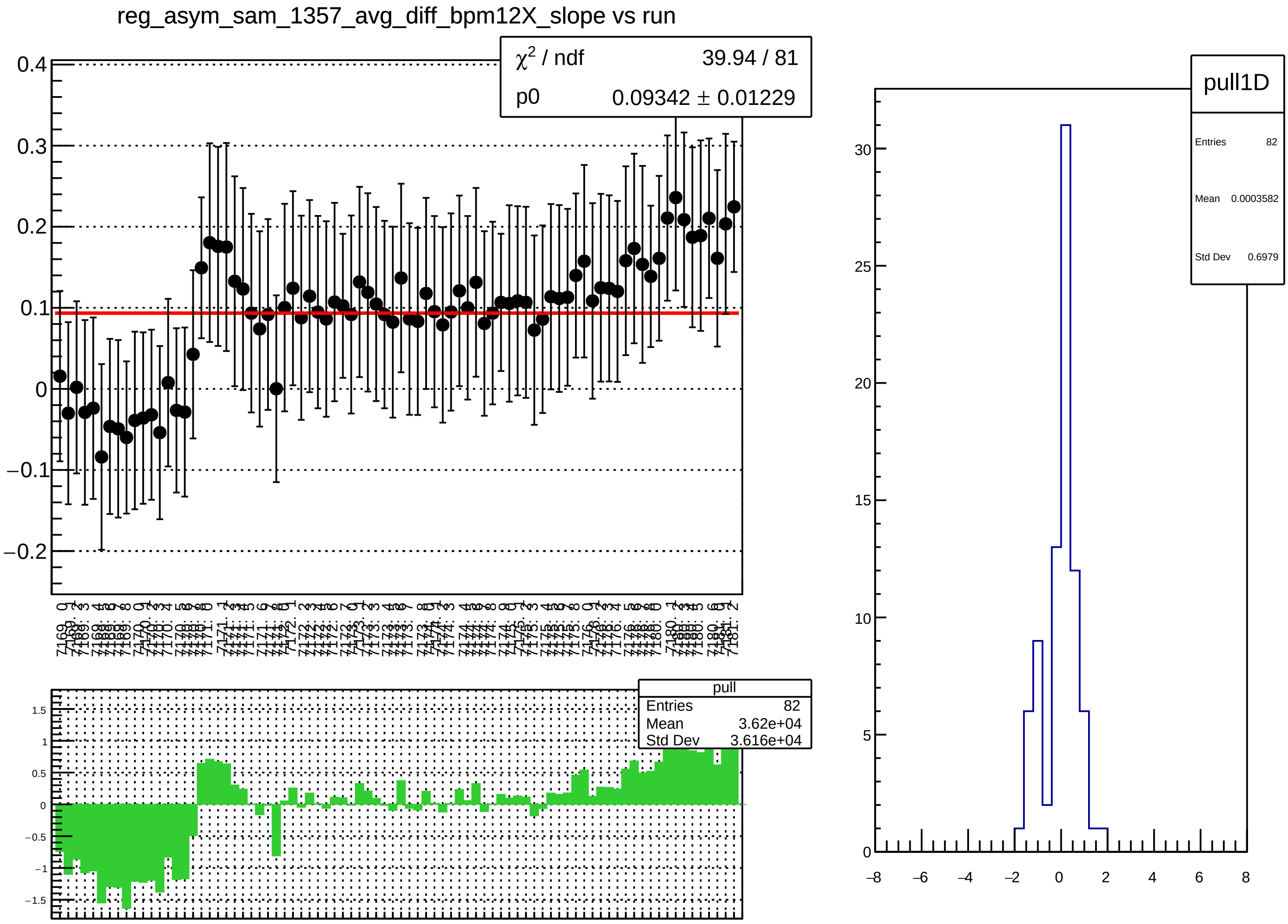
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 18.71 / 81
p0 1.341 ± 0.2381
pull
Entries 82
Mean −695.2
Std Dev 729.2
pull1D
Entries 82
Mean 0.007655
Std Dev 0.4776



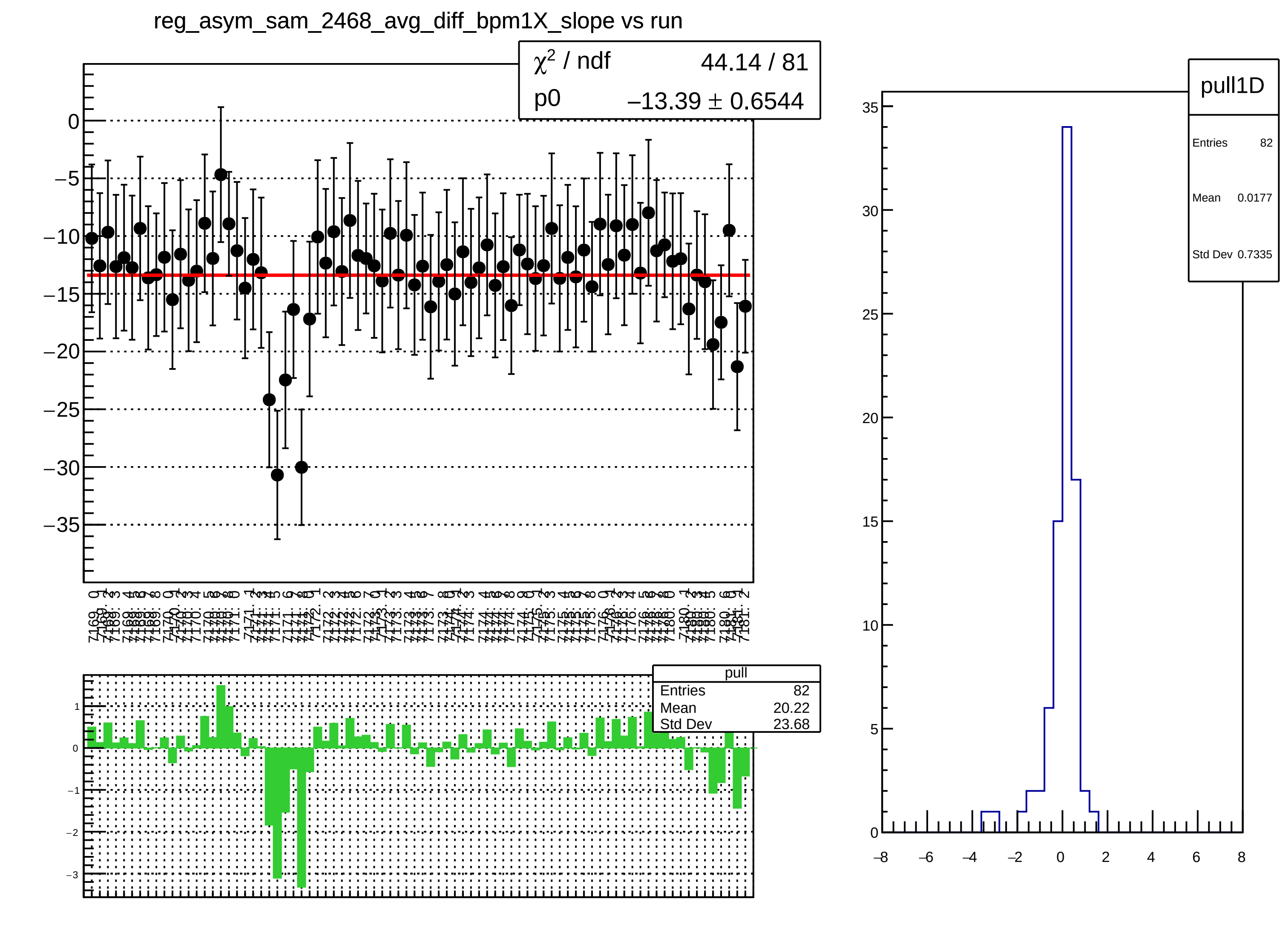
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 46.59 / 81
p0 −24.48 ± 0.3327
pull
Entries 82
Mean 87.71
Std Dev 19.22
pull1D
Entries 82
Mean −0.01566
Std Dev 0.7536



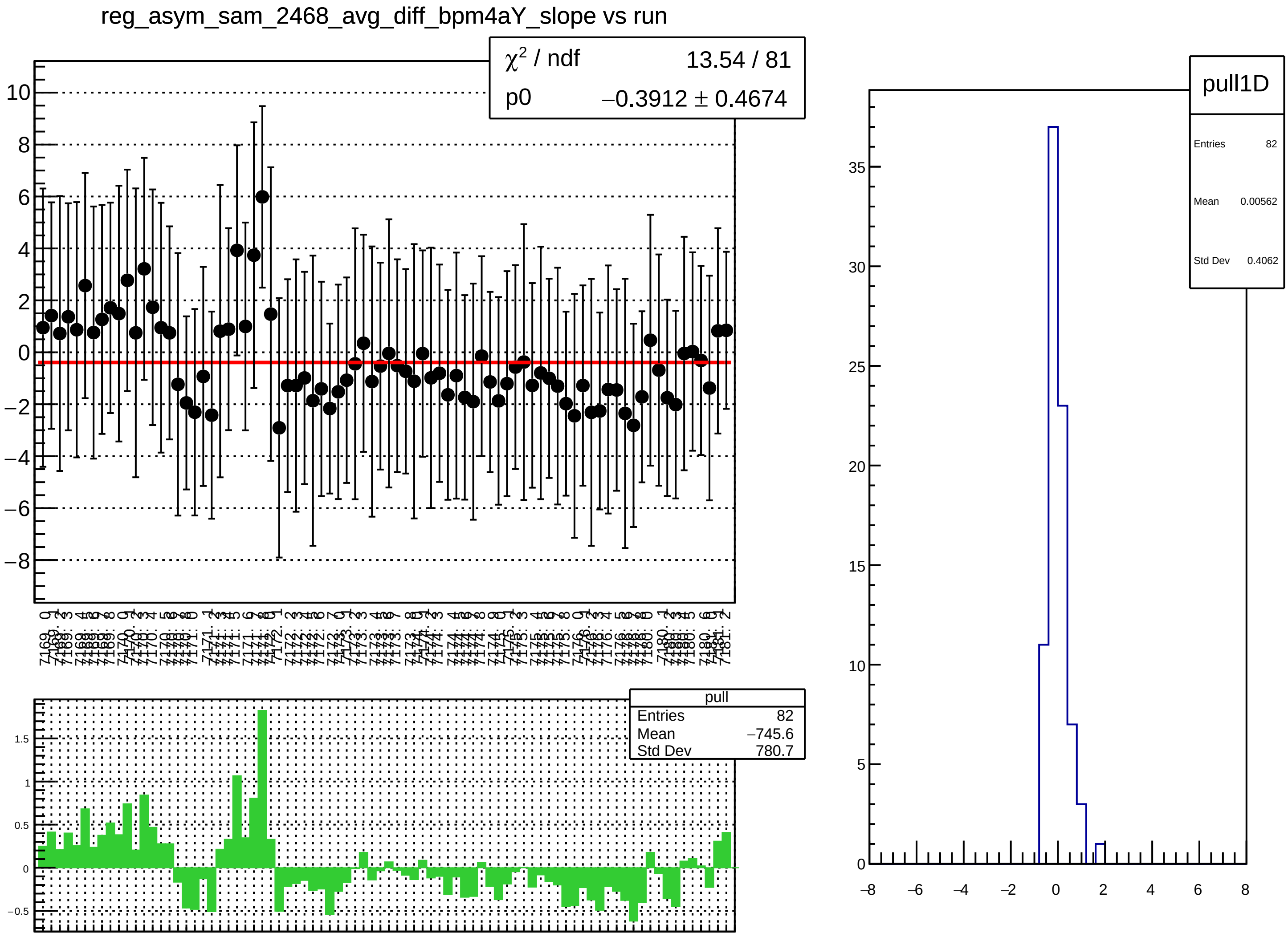
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 32.07 / 81
p0 26.01 ± 0.2676
pull
Entries 82
Mean −296.7
Std Dev 330.5
pull1D
Entries 82
Mean −0.0266
Std Dev 0.6248



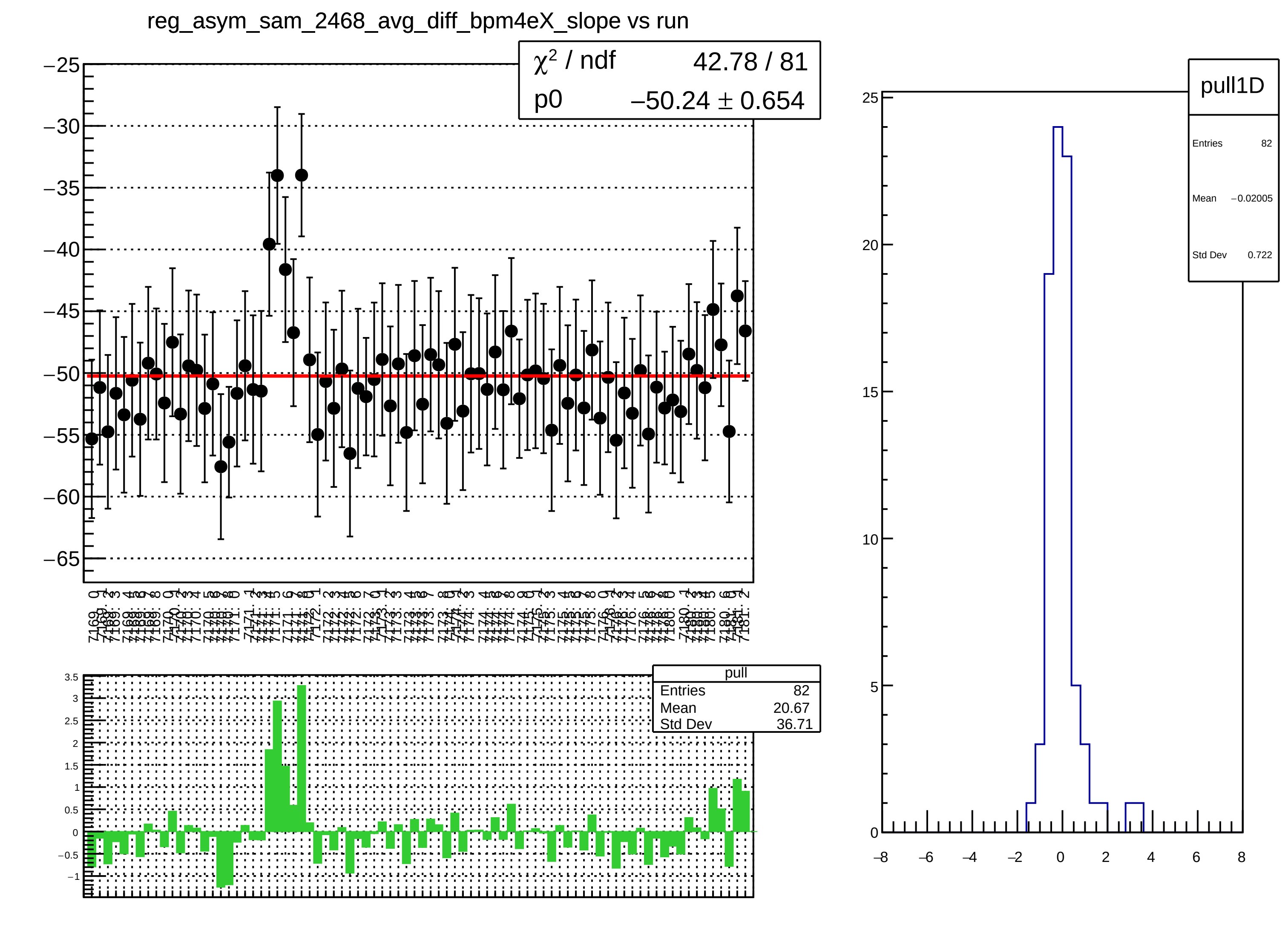
reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 39.94 / 81
p0 0.09342 ± 0.01229
pull
Entries 82
Mean 3.62e+04
Std Dev 3.616e+04
pull1D
Entries 82
Mean 0.0003582
Std Dev 0.6979



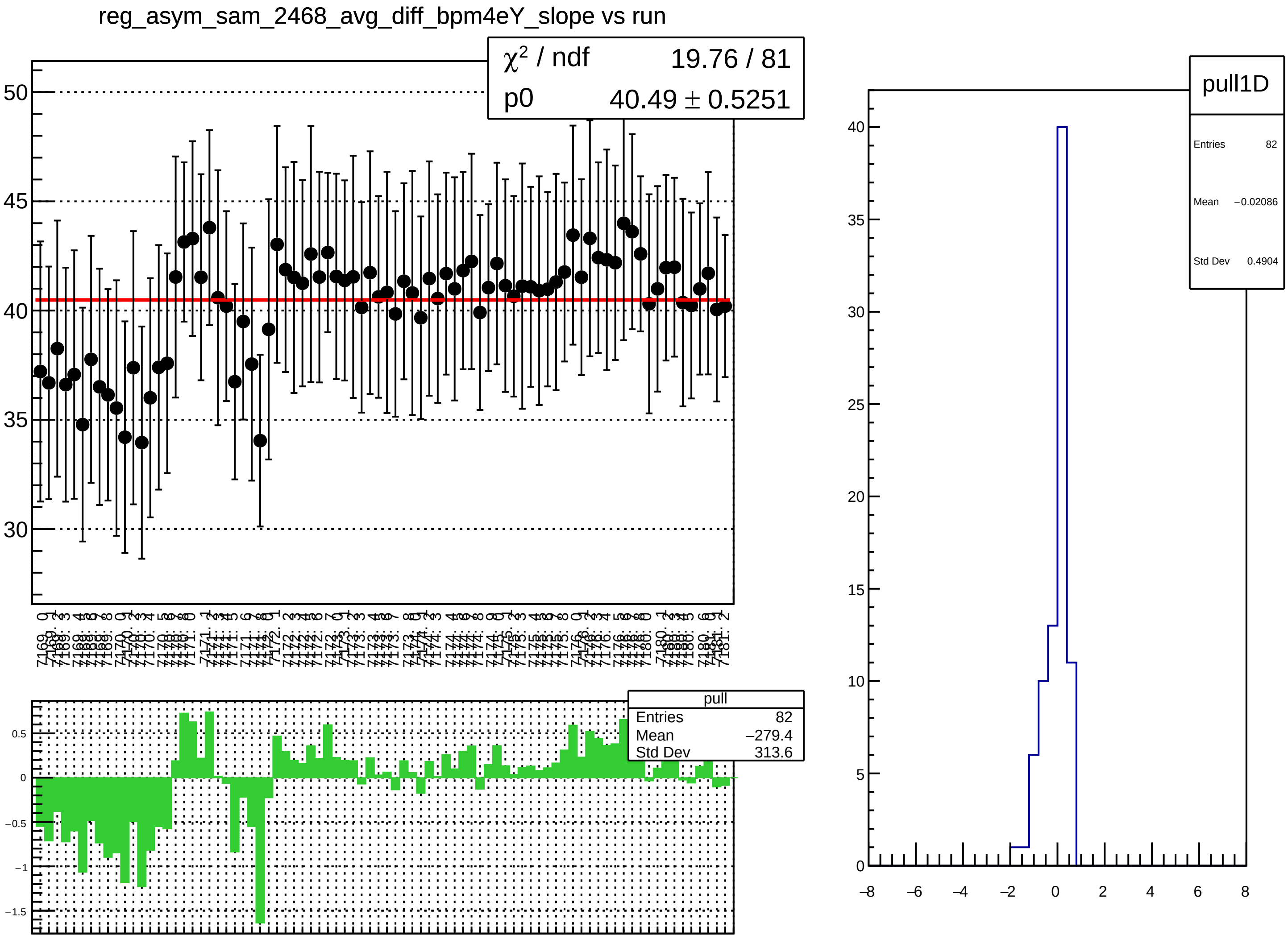
reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ2 / ndf 44.14 / 81
p0 −13.39 ± 0.6544
pull
Entries 82
Mean 20.22
Std Dev 23.68
pull1D
Entries 82
Mean 0.0177
Std Dev 0.7335

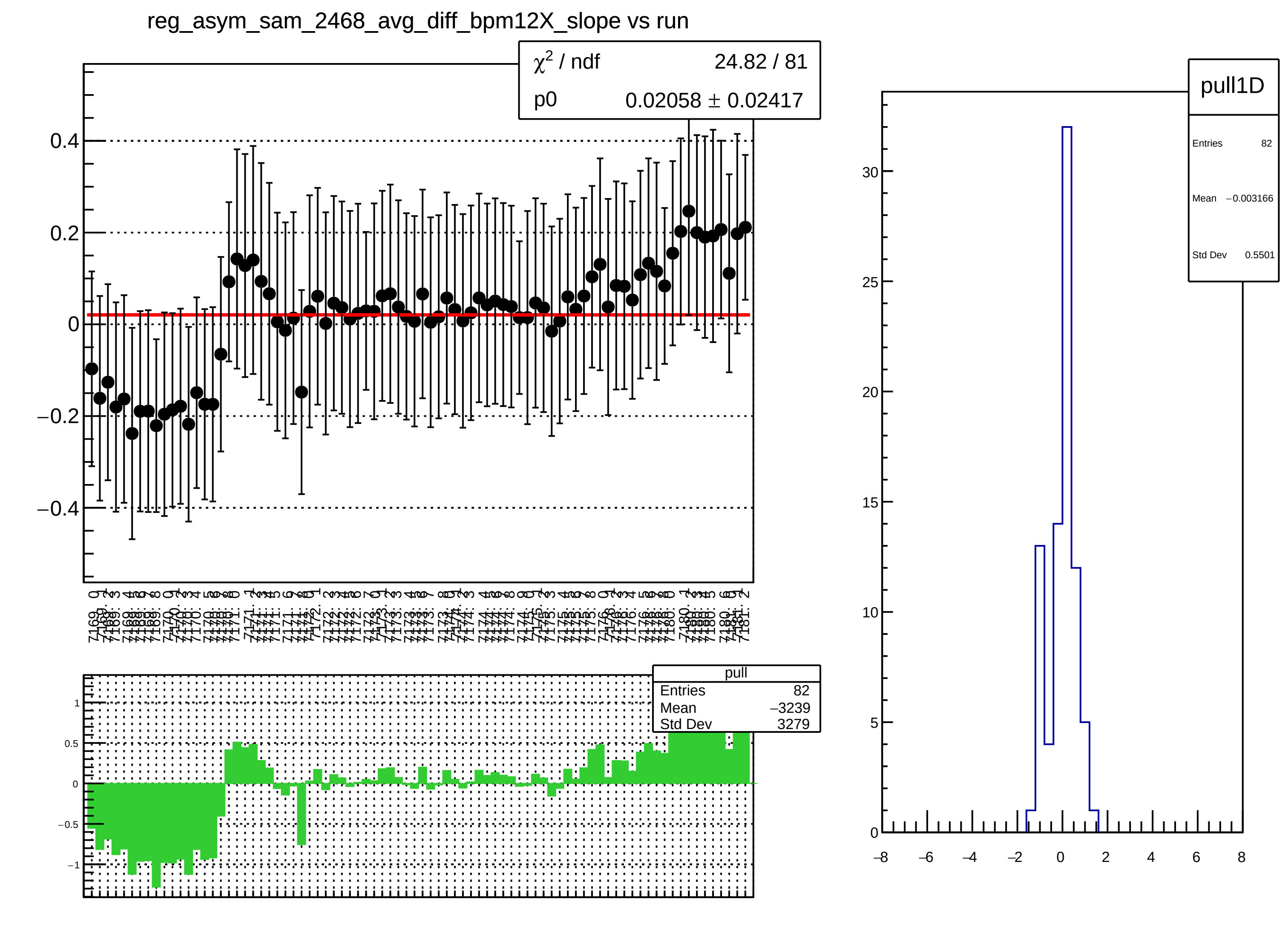


reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 13.54 / 81
p0 −0.3912 ± 0.4674
pull
Entries 82
Mean −745.6
Std Dev 780.7
pull1D
Entries 82
Mean 0.00562
Std Dev 0.4062

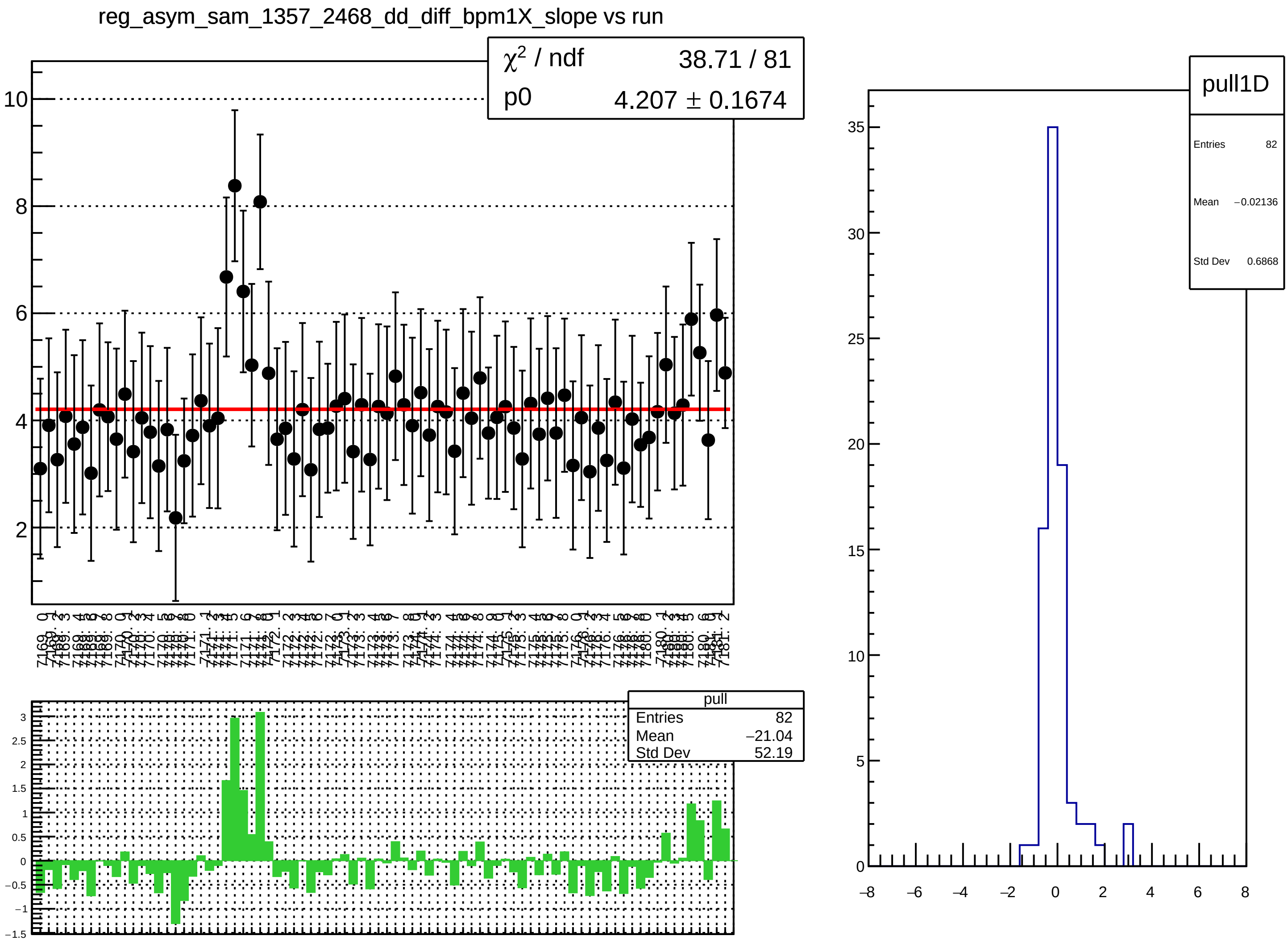


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 42.78 / 81
p0 −50.24 ± 0.654
pull
Entries 82
Mean 20.67
Std Dev 36.71
pull1D
Entries 82
Mean −0.02005
Std Dev 0.722

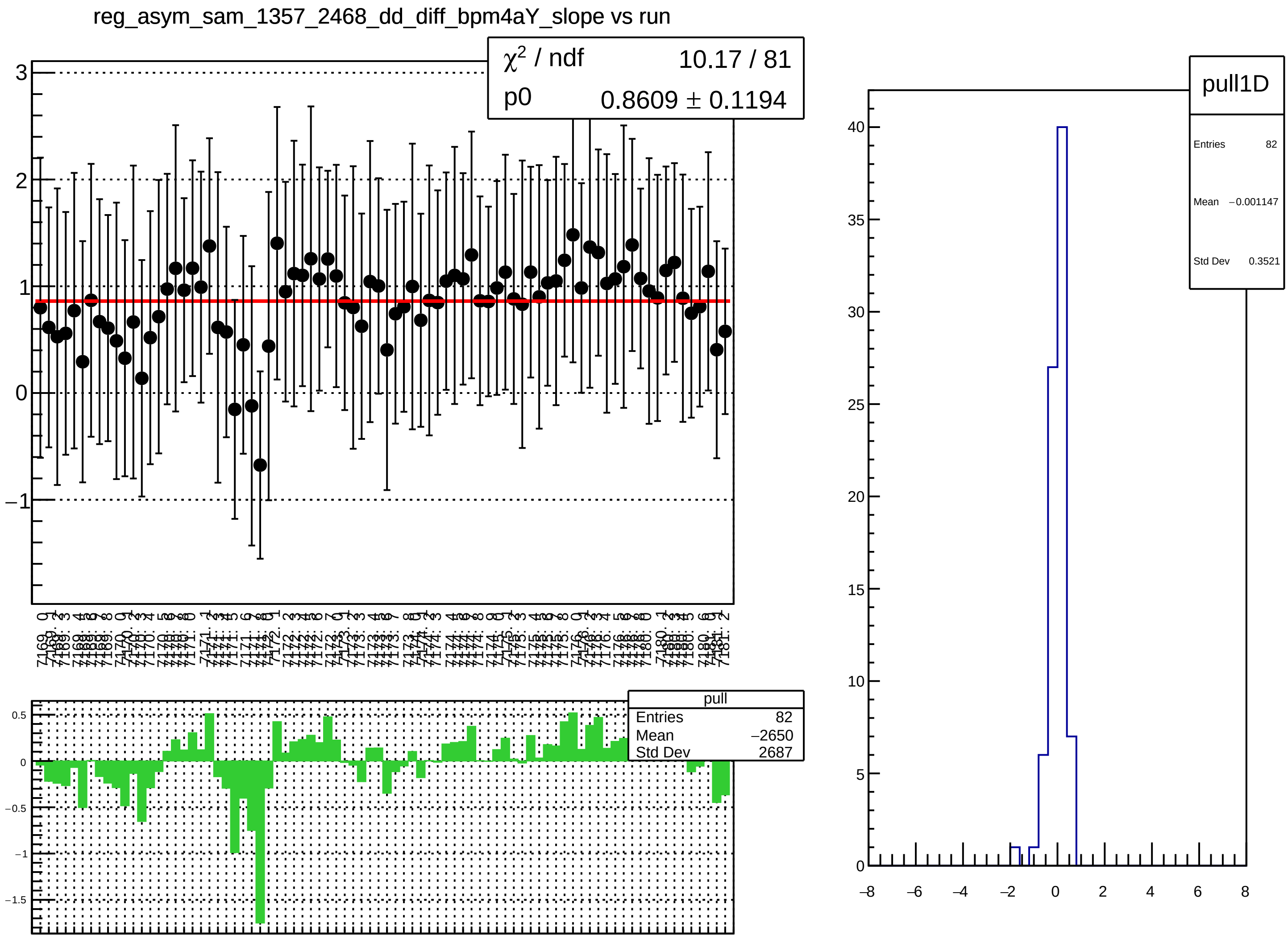

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.76 / 81
p0 40.49 ± 0.5251
pull
Entries 82
Mean −279.4
Std Dev 313.6
pull1D
Entries 82
Mean −0.02086
Std Dev 0.4904



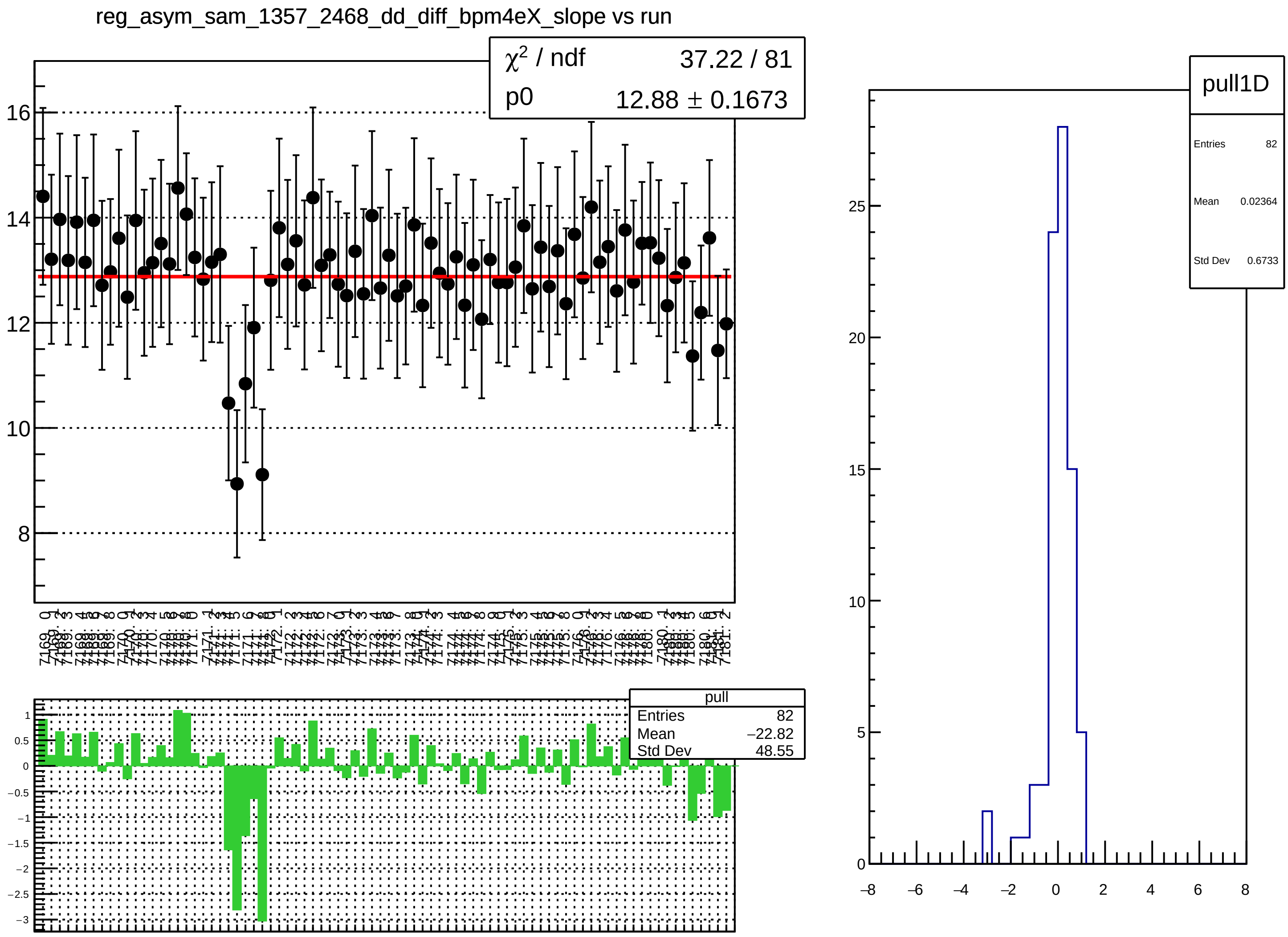
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 24.82 / 81
p0 0.02058 ± 0.02417
pull
Entries 82
Mean −3239
Std Dev 3279
pull1D
Entries 82
Mean −0.003166
Std Dev 0.5501



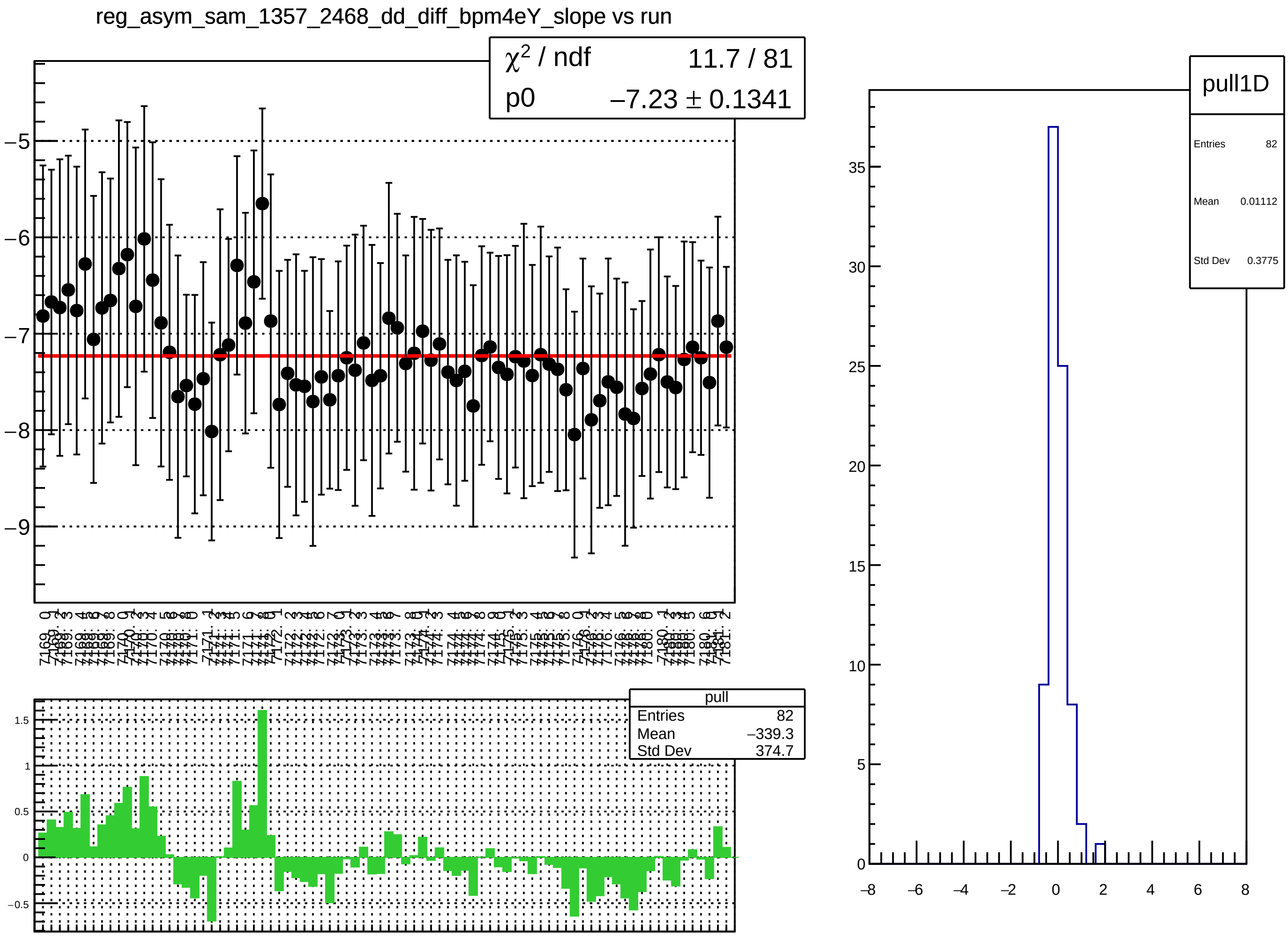
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 38.71 / 81
p0 4.207 ± 0.1674
pull
Entries 82
Mean −21.04
Std Dev 52.19
pull1D
Entries 82
Mean −0.02136
Std Dev 0.6868



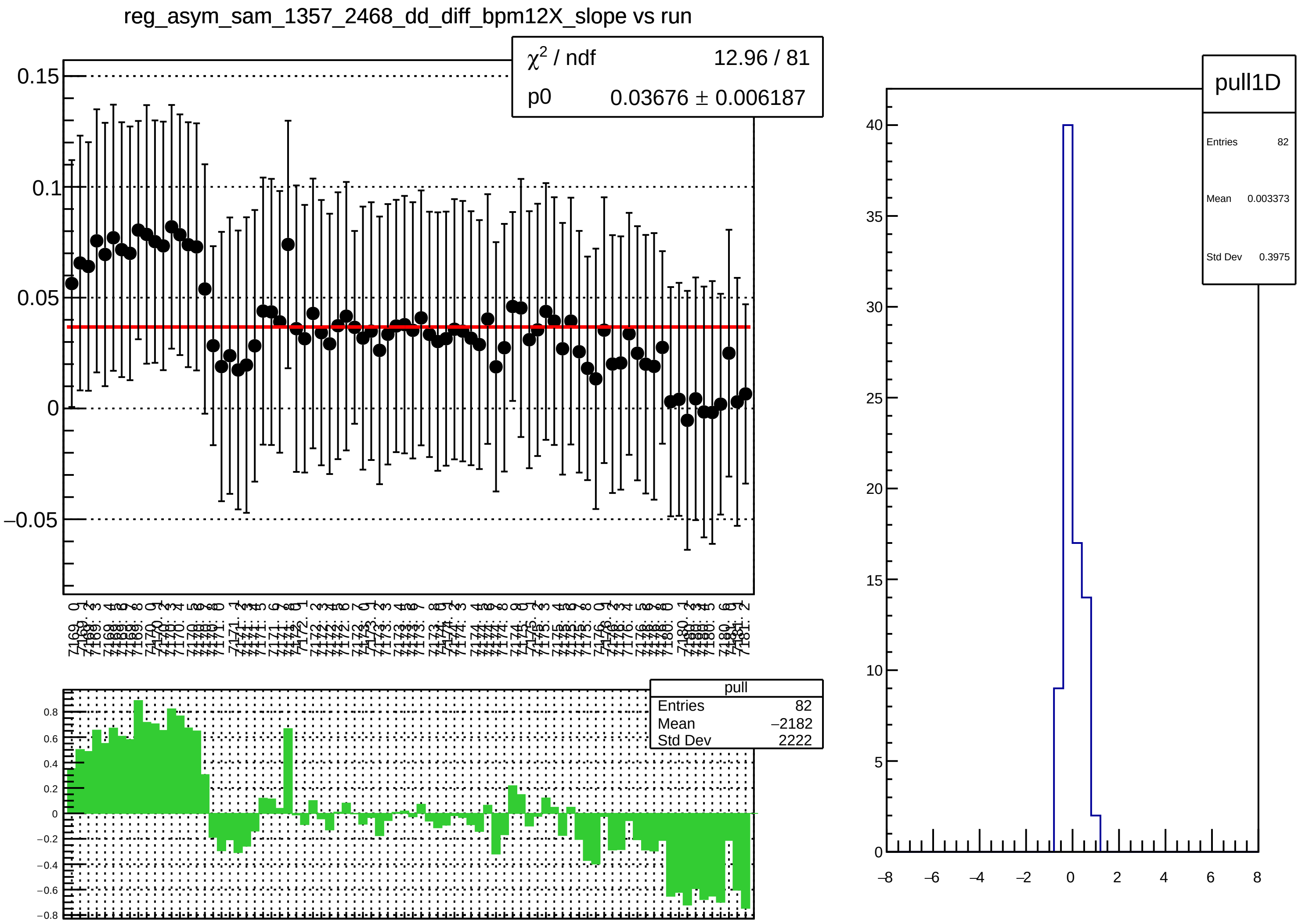
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.17 / 81
p0 0.8609 ± 0.1194
pull
Entries 82
Mean −2650
Std Dev 2687
pull1D
Entries 82
Mean −0.001147
Std Dev 0.3521



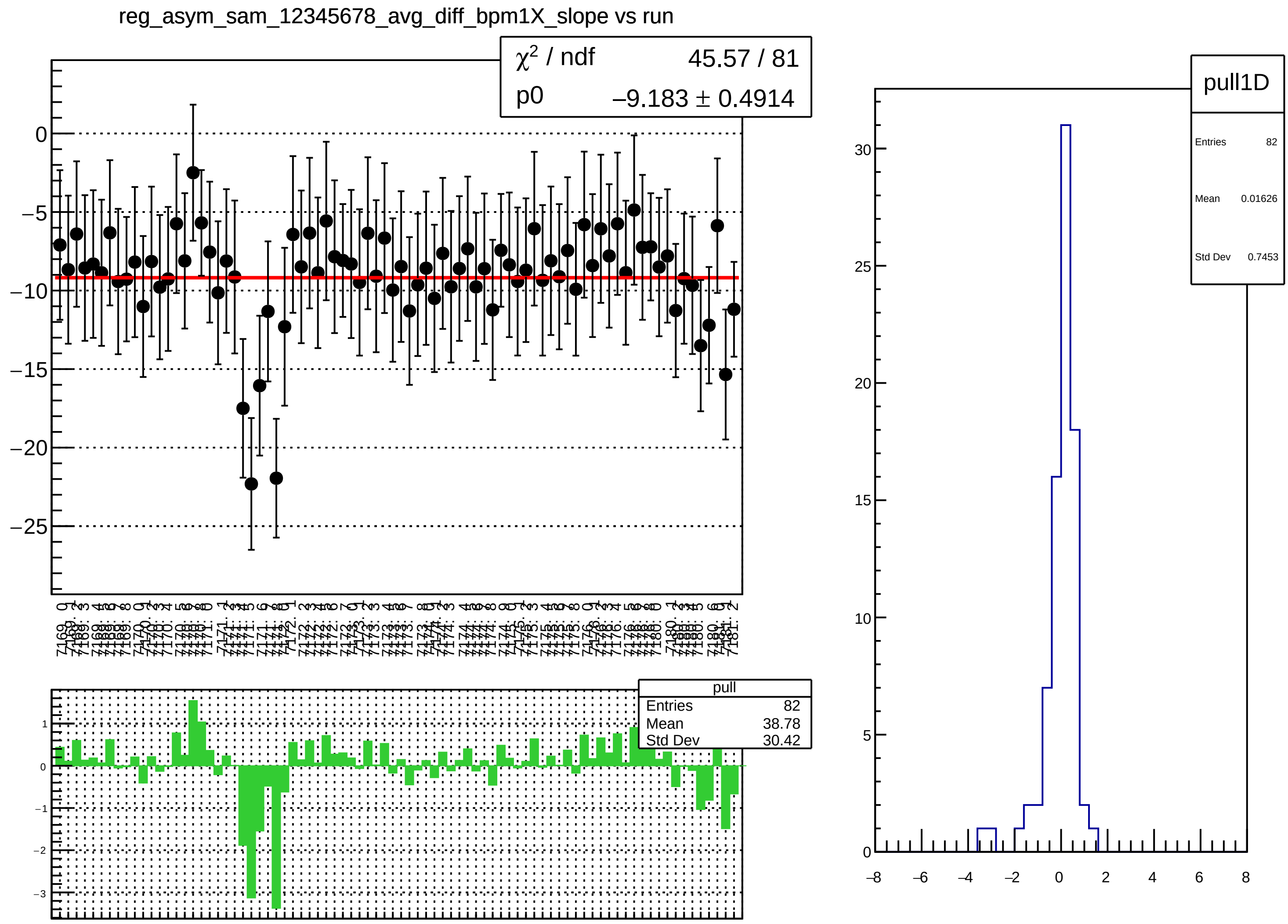
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.22 / 81
p0 12.88 ± 0.1673
pull1D
Entries 82
Mean 0.02364
Std Dev 0.6733
pull
Entries 82
Mean −22.82
Std Dev 48.55



reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ2 / ndf 11.7 / 81
p0 −7.23 ± 0.1341
pull
Entries 82
Mean −339.3
Std Dev 374.7
pull1D
Entries 82
Mean 0.01112
Std Dev 0.3775

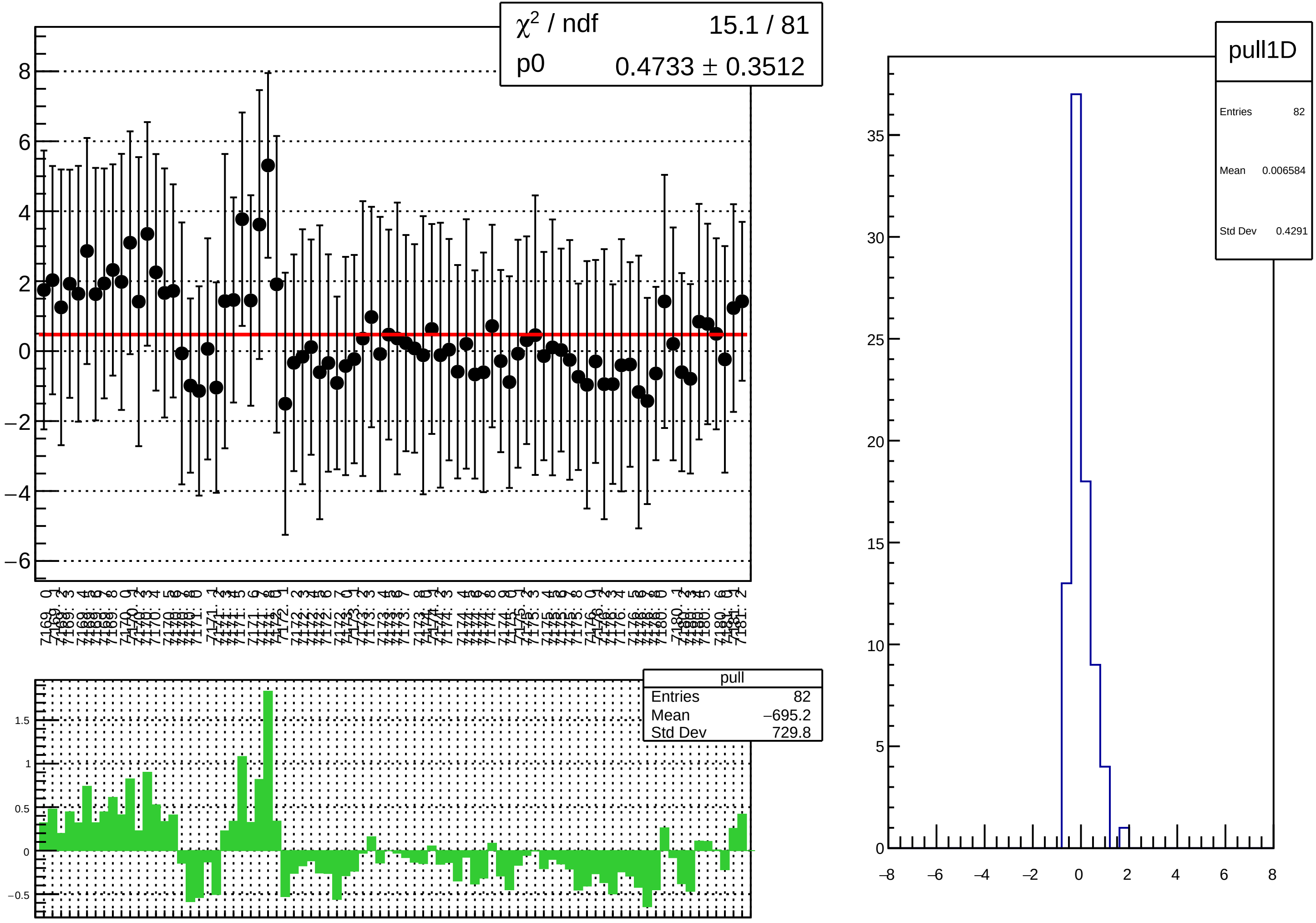


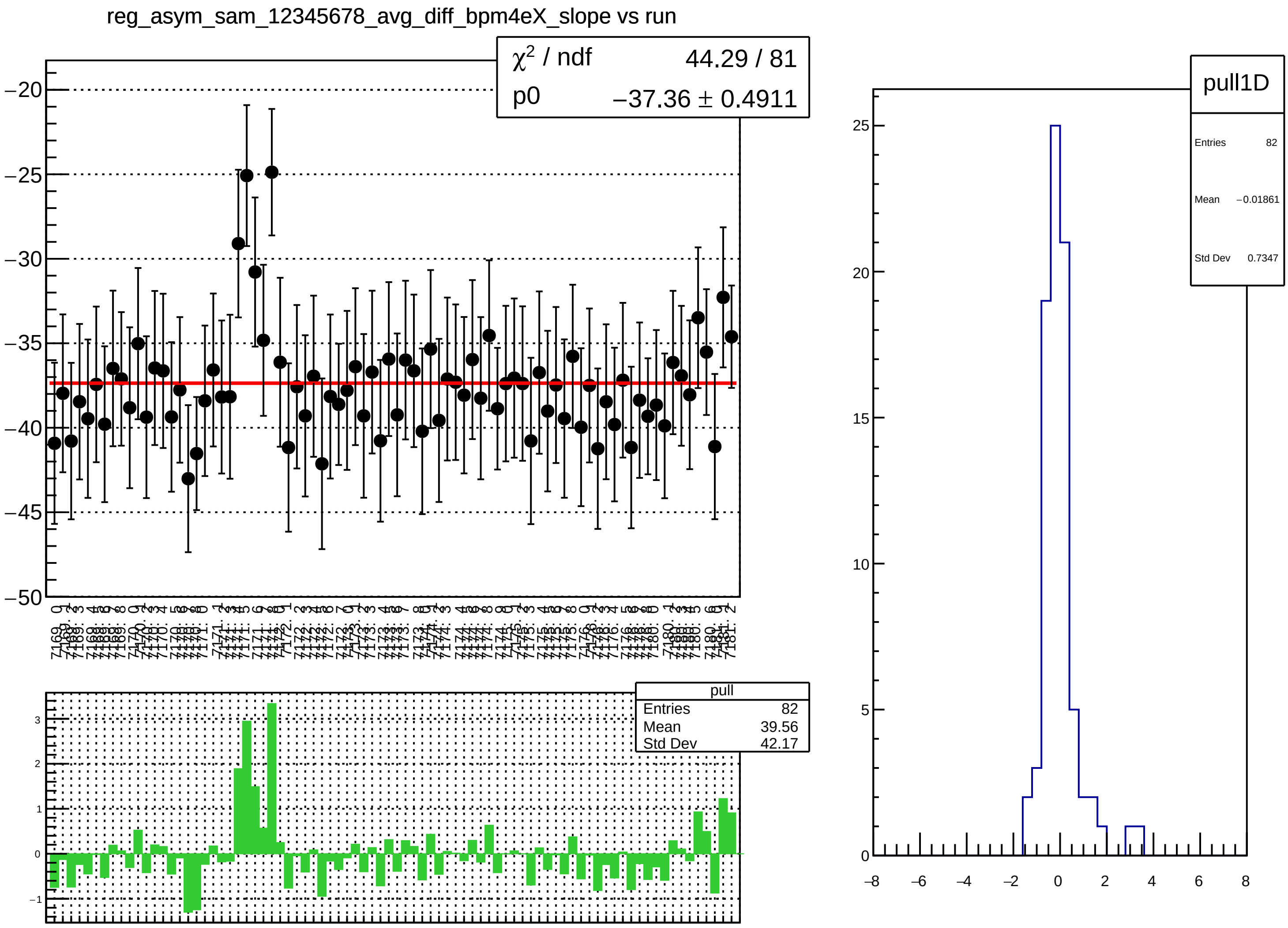
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.96 / 81
p0 0.03676 ± 0.006187
pull
Entries 82
Mean −2182
Std Dev 2222
pull1D
Entries 82
Mean 0.003373
Std Dev 0.3975

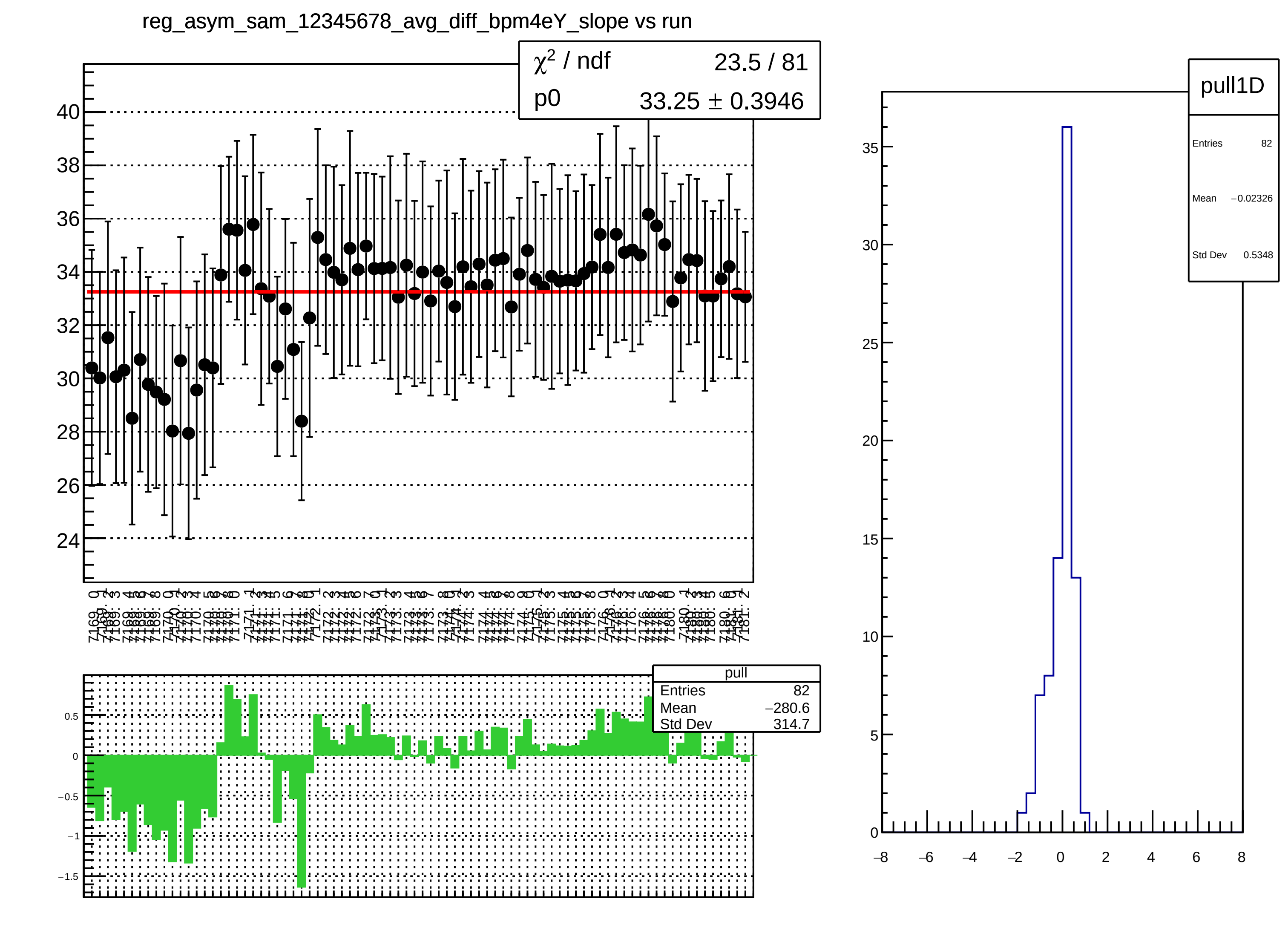


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 45.57 / 81
p0 −9.183 ± 0.4914
pull
Entries 82
Mean 38.78
Std Dev 30.42
pull1D
Entries 82
Mean 0.01626
Std Dev 0.7453

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

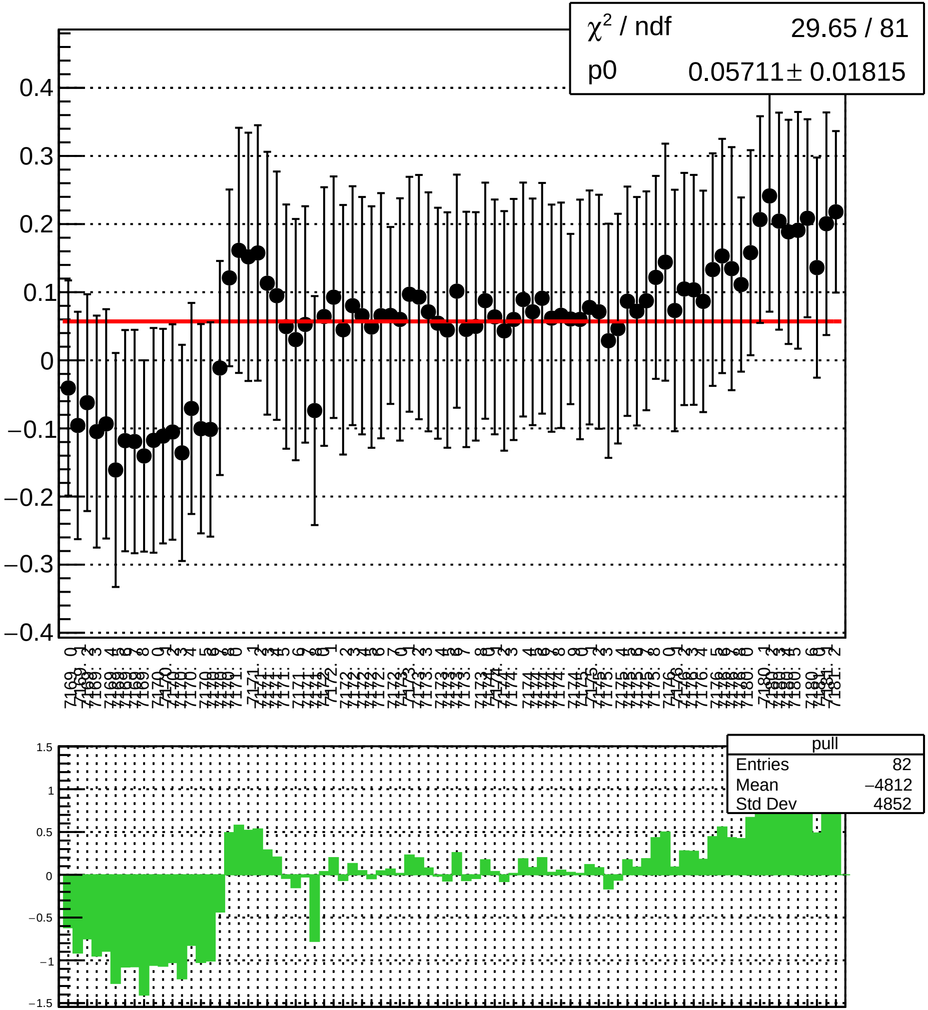


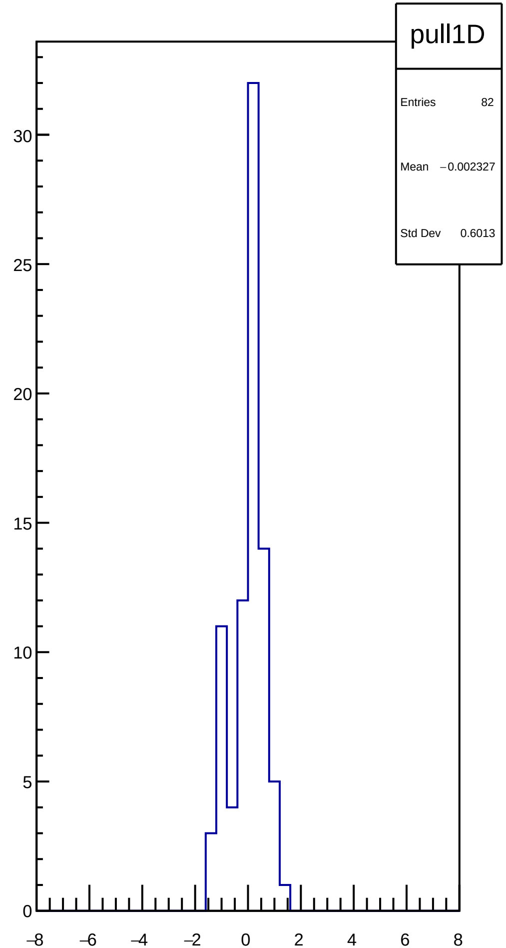

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 44.29 / 81
p0 −37.36 ± 0.4911
pull
Entries 82
Mean 39.56
Std Dev 42.17
pull1D
Entries 82
Mean −0.01861
Std Dev 0.7347

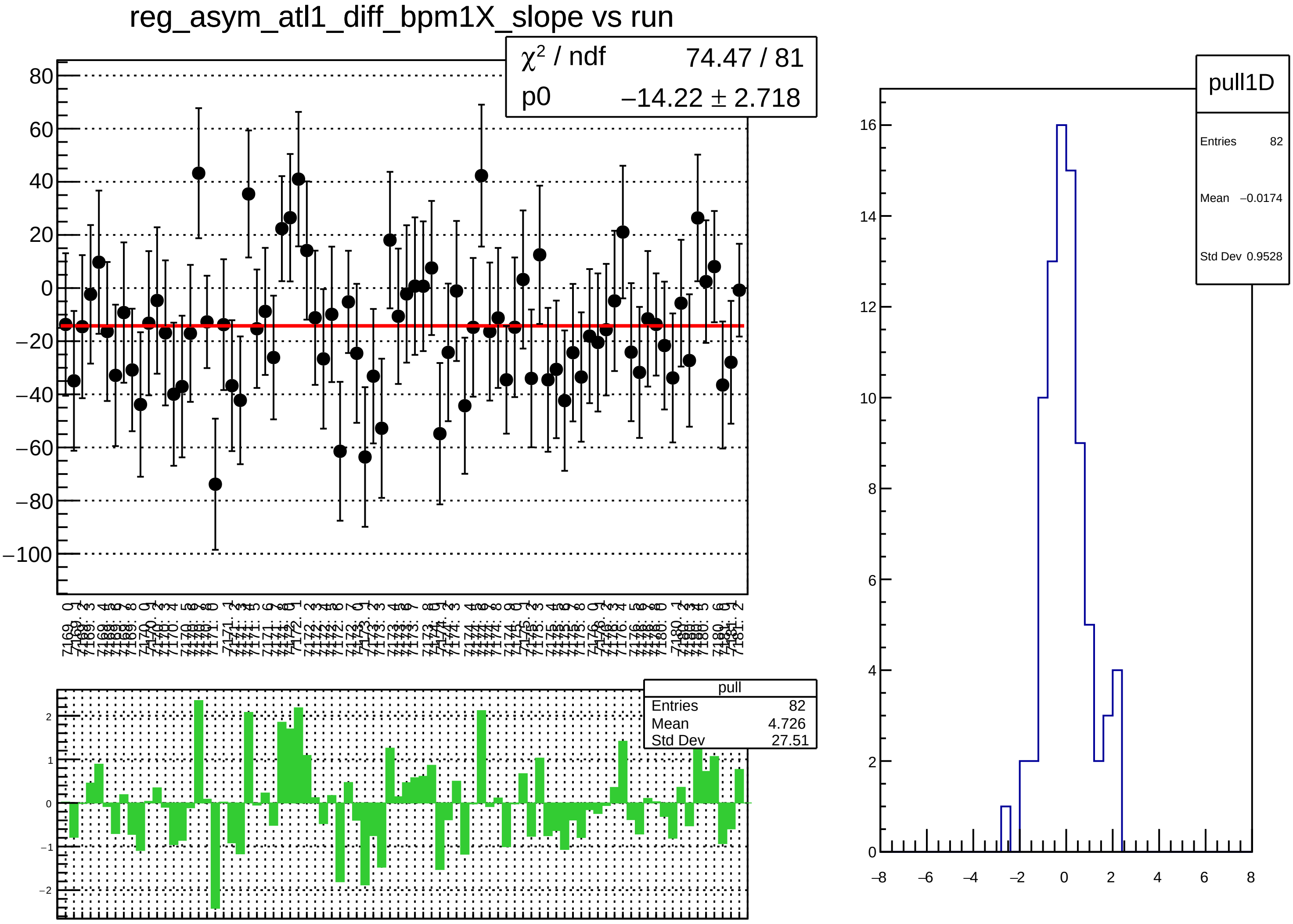


reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.5 / 81
p0 33.25 ± 0.3946
pull
Entries 82
Mean −280.6
Std Dev 314.7
pull1D
Entries 82
Mean −0.02326
Std Dev 0.5348

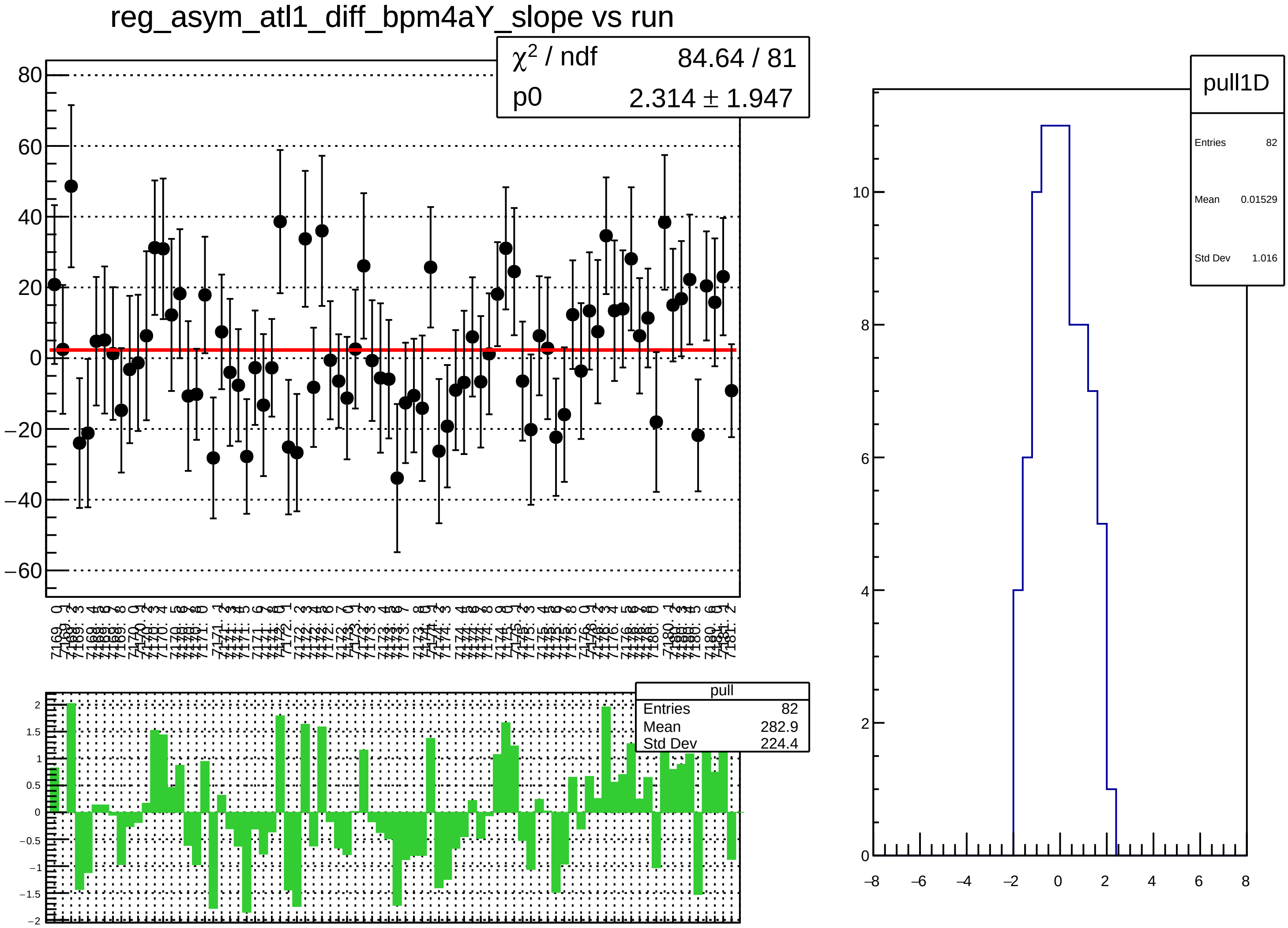
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run



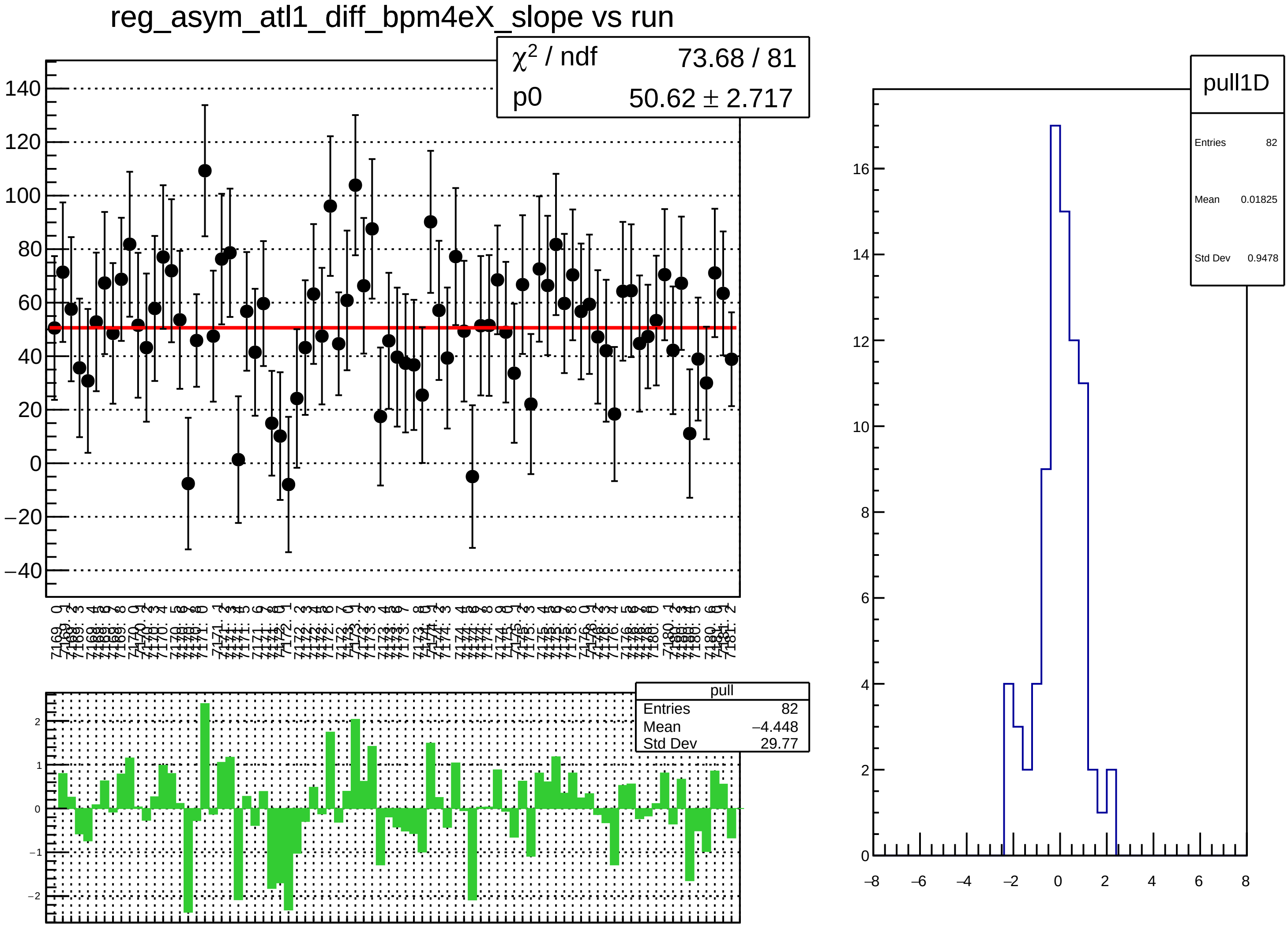




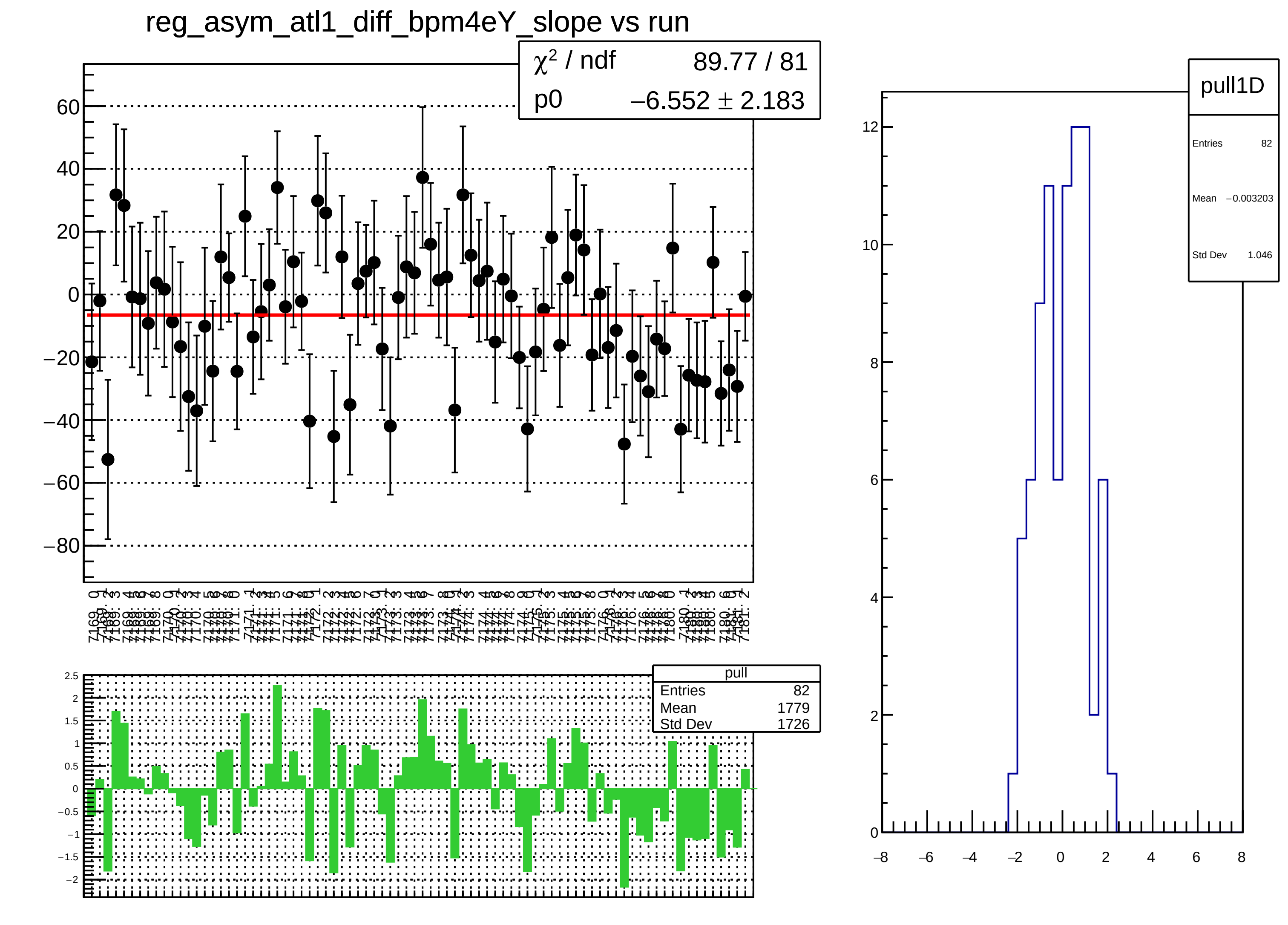
reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 74.47 / 81
p0 −14.22 ± 2.718
pull
Entries 82
Mean 4.726
Std Dev 27.51
pull1D
Entries 82
Mean −0.0174
Std Dev 0.9528



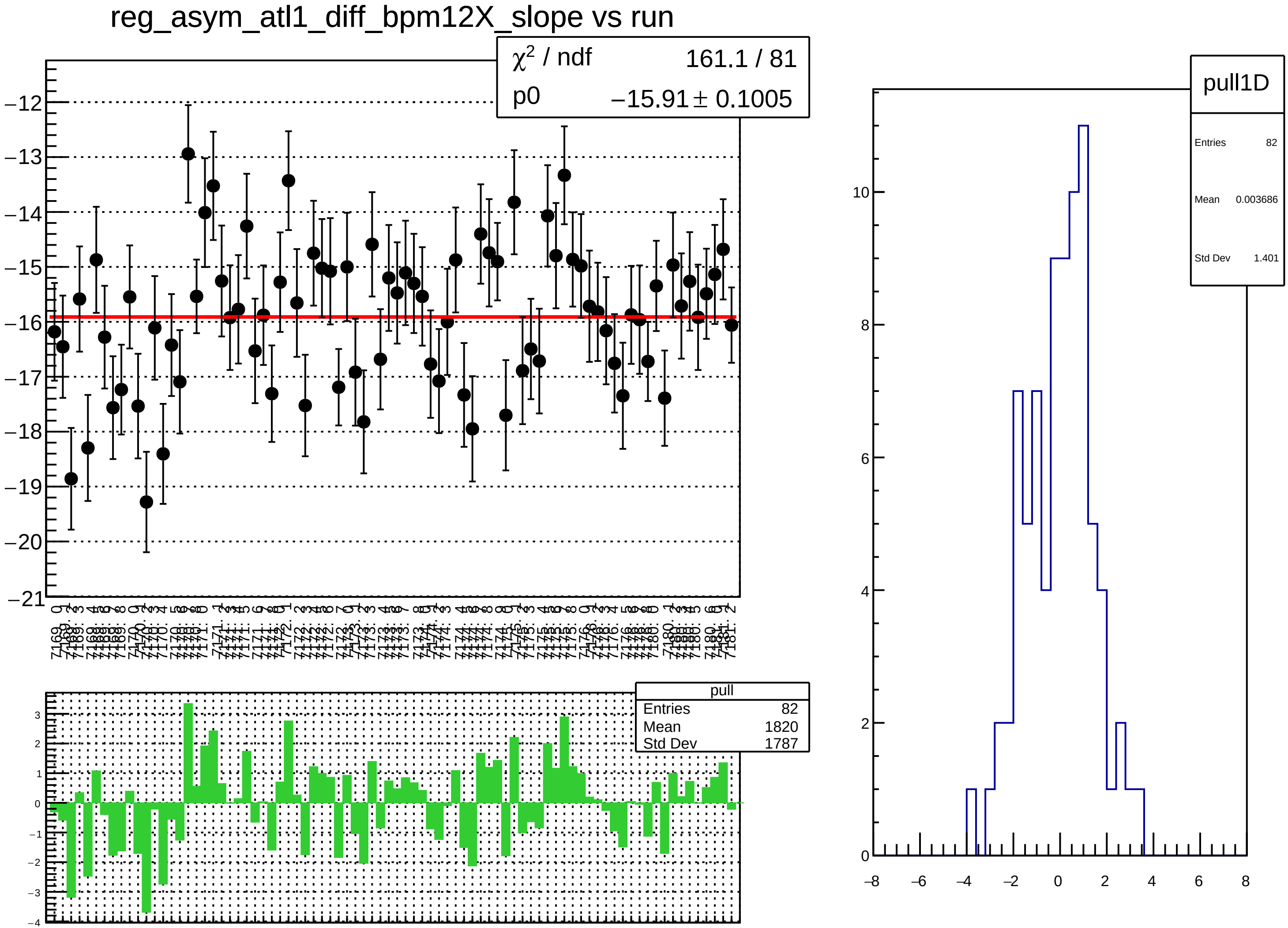
reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 84.64 / 81
p0 2.314 ± 1.947
pull
Entries 82
Mean 282.9
Std Dev 224.4
pull1D
Entries 82
Mean 0.01529
Std Dev 1.016



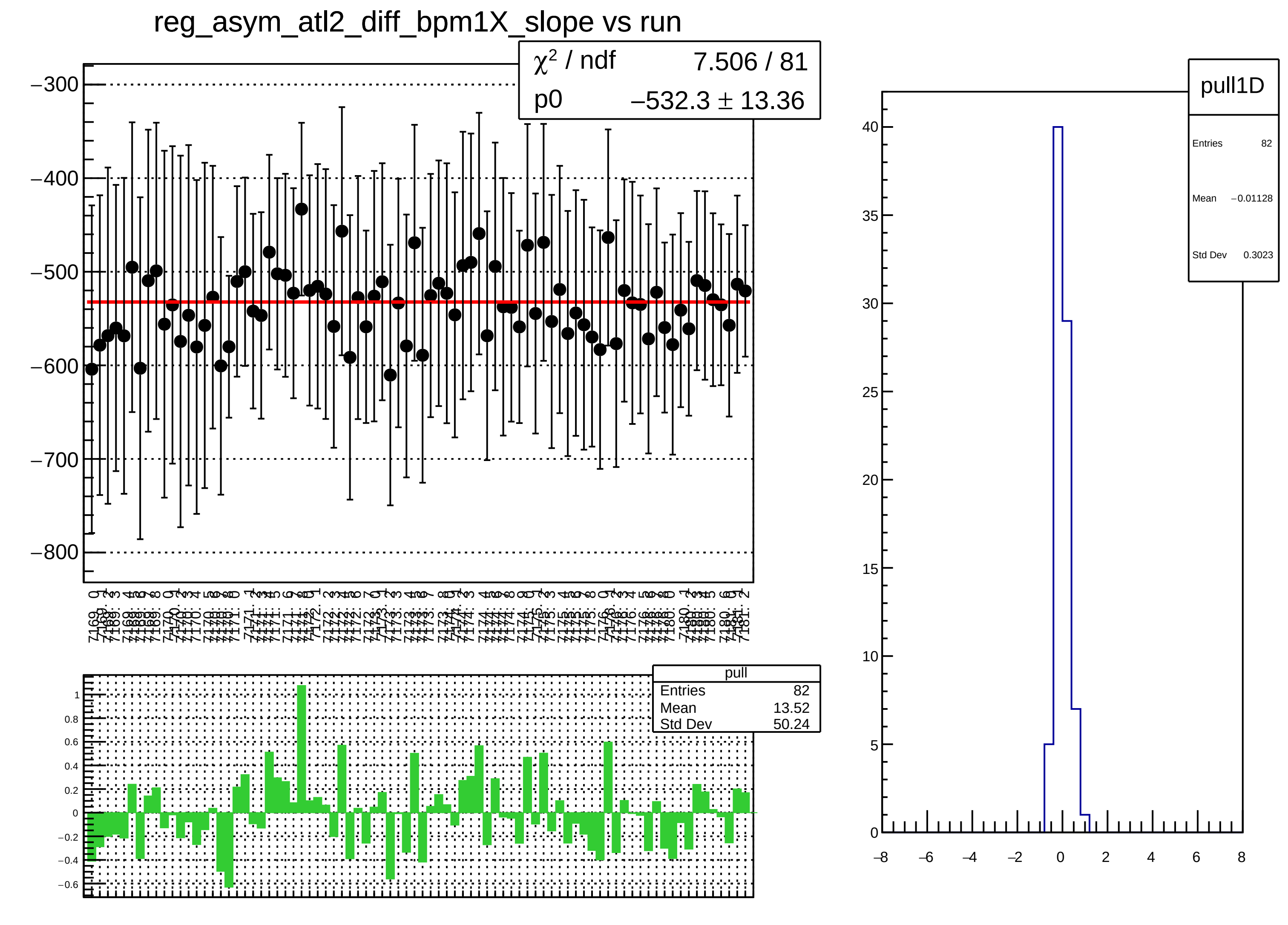
reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 73.68 / 81
p0 50.62 ± 2.717
pull
Entries 82
Mean −4.448
Std Dev 29.77
pull1D
Entries 82
Mean 0.01825
Std Dev 0.9478

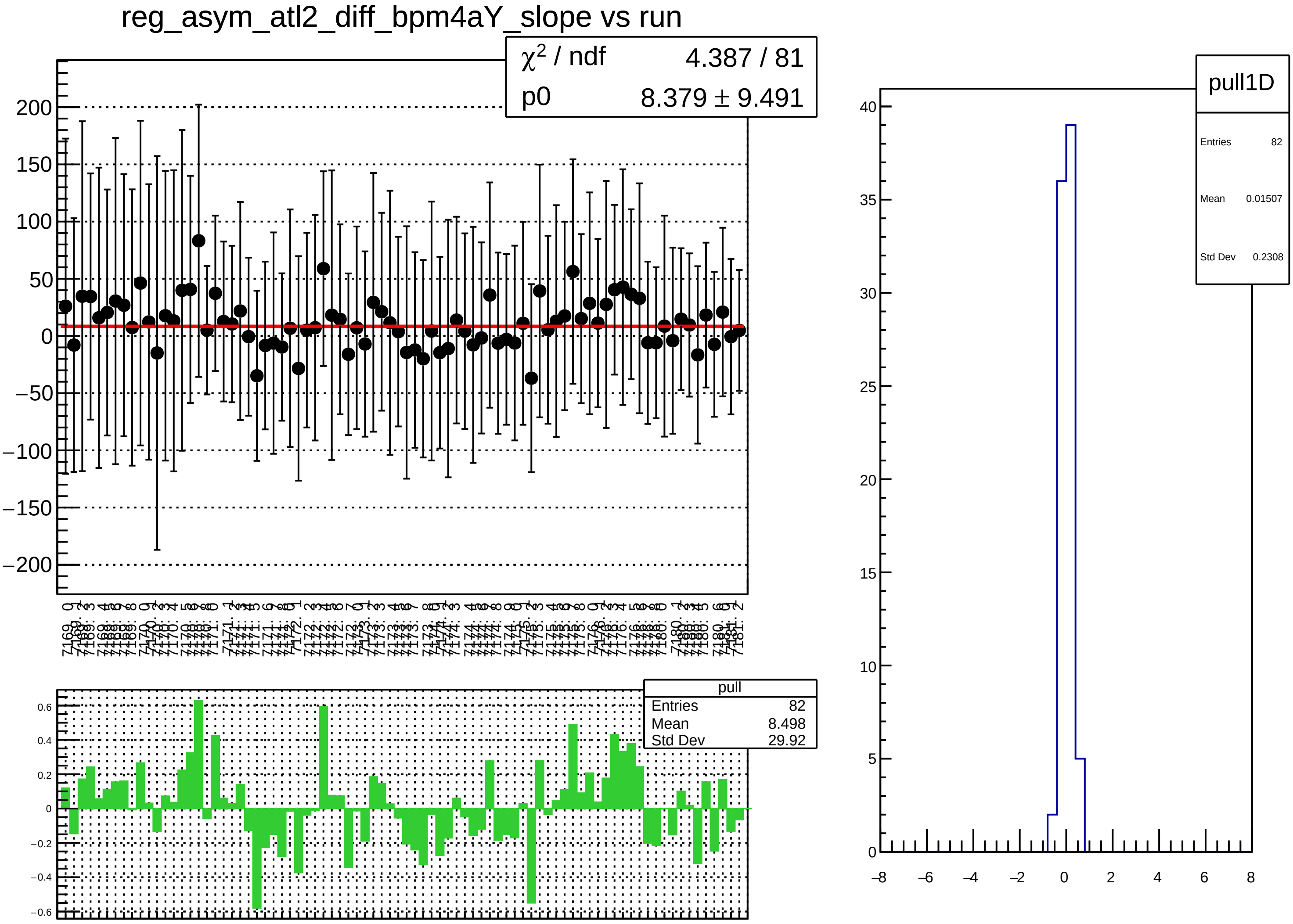


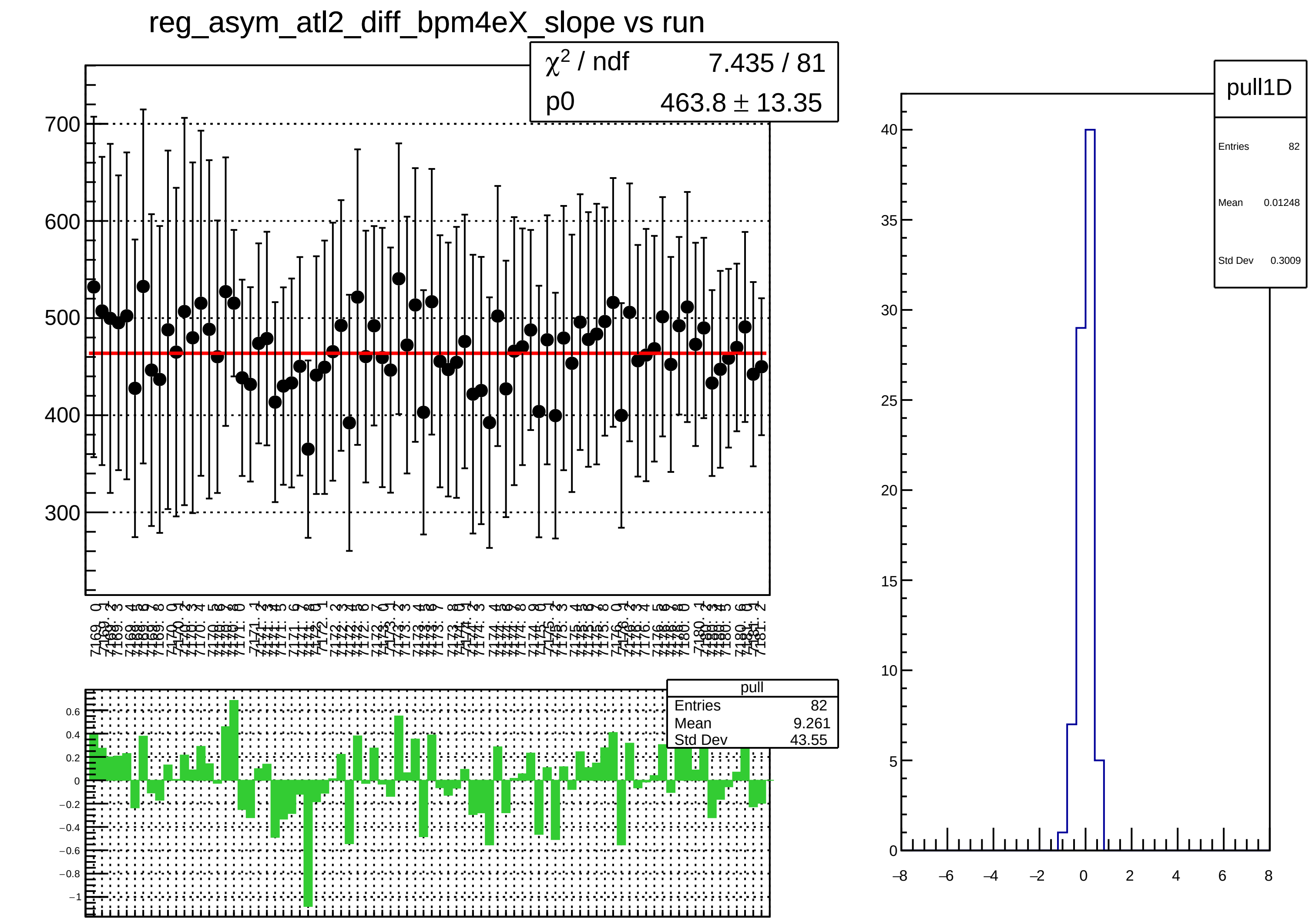
reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 89.77 / 81
p0 −6.552 ± 2.183
pull
Entries 82
Mean 1779
Std Dev 1726
pull1D
Entries 82
Mean −0.003203
Std Dev 1.046

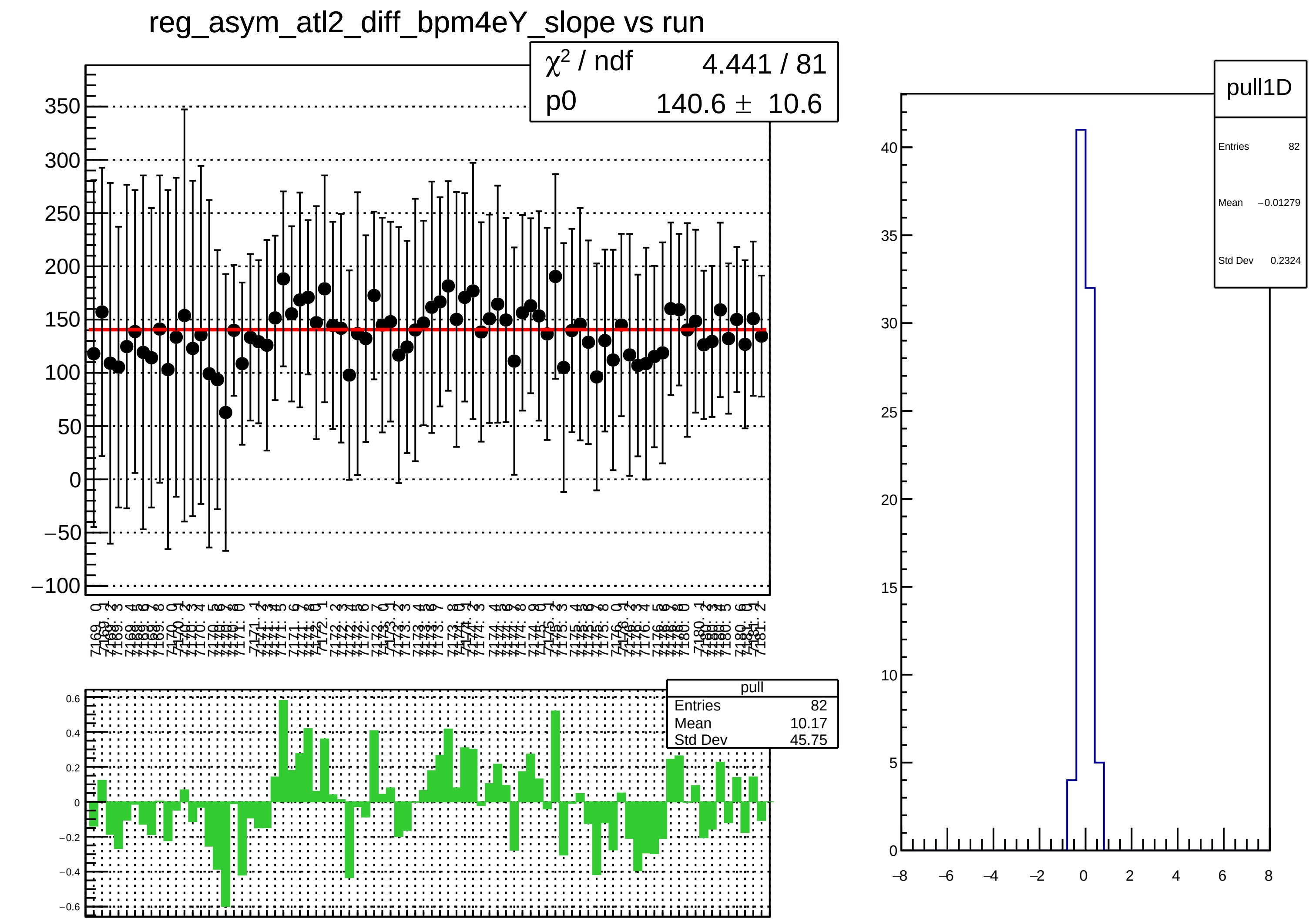


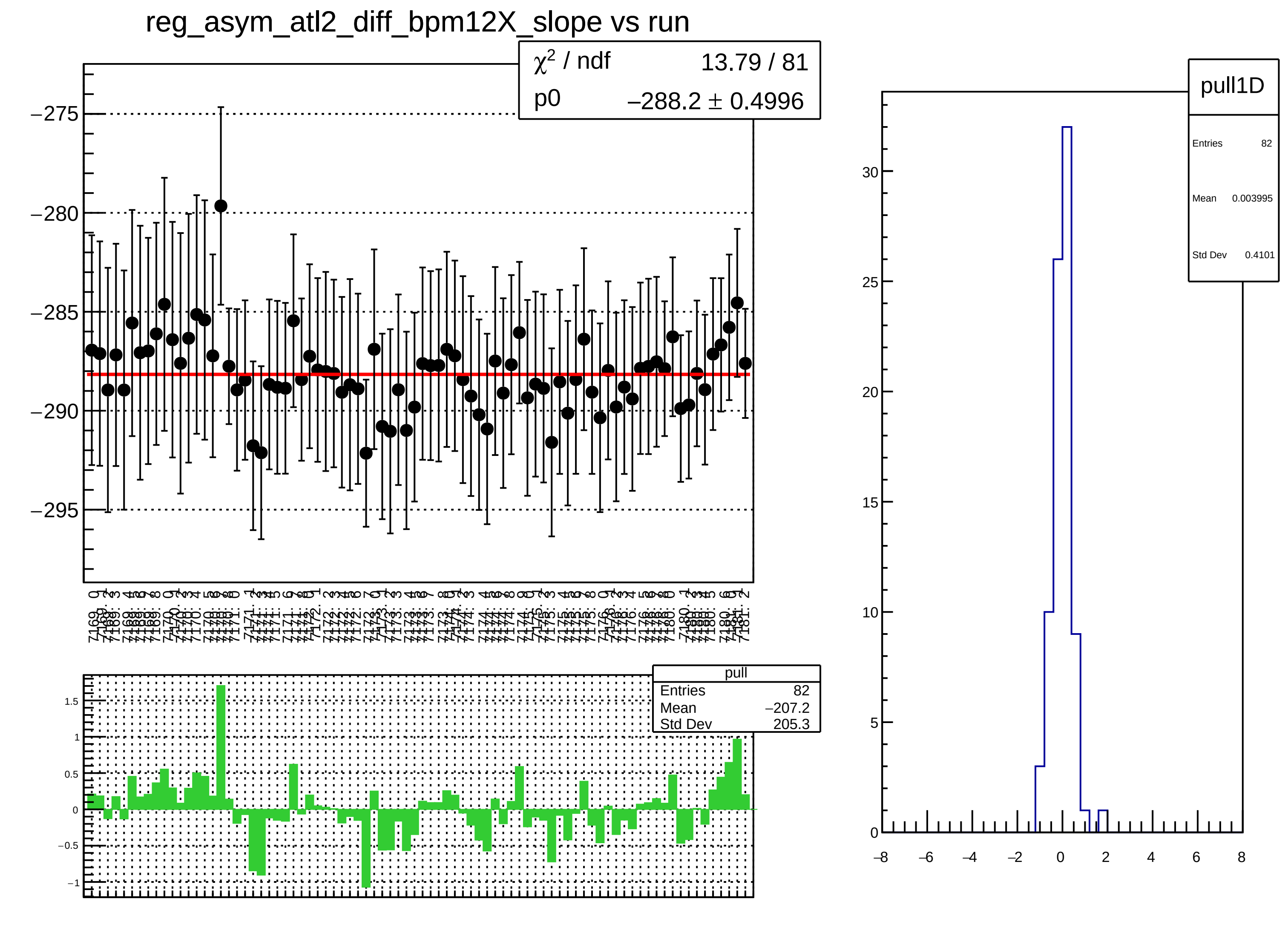
reg_asym_atl1_diff_bpm12X_slope vs run
χ2 / ndf 161.1 / 81
p0 −15.91 ± 0.1005
pull
Entries 82
Mean 1820
Std Dev 1787
pull1D
Entries 82
Mean 0.003686
Std Dev 1.401


reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 7.506 / 81
p0 −532.3 ± 13.36
pull
Entries 82
Mean 13.52
Std Dev 50.24
pull1D
Entries 82
Mean −0.01128
Std Dev 0.3023

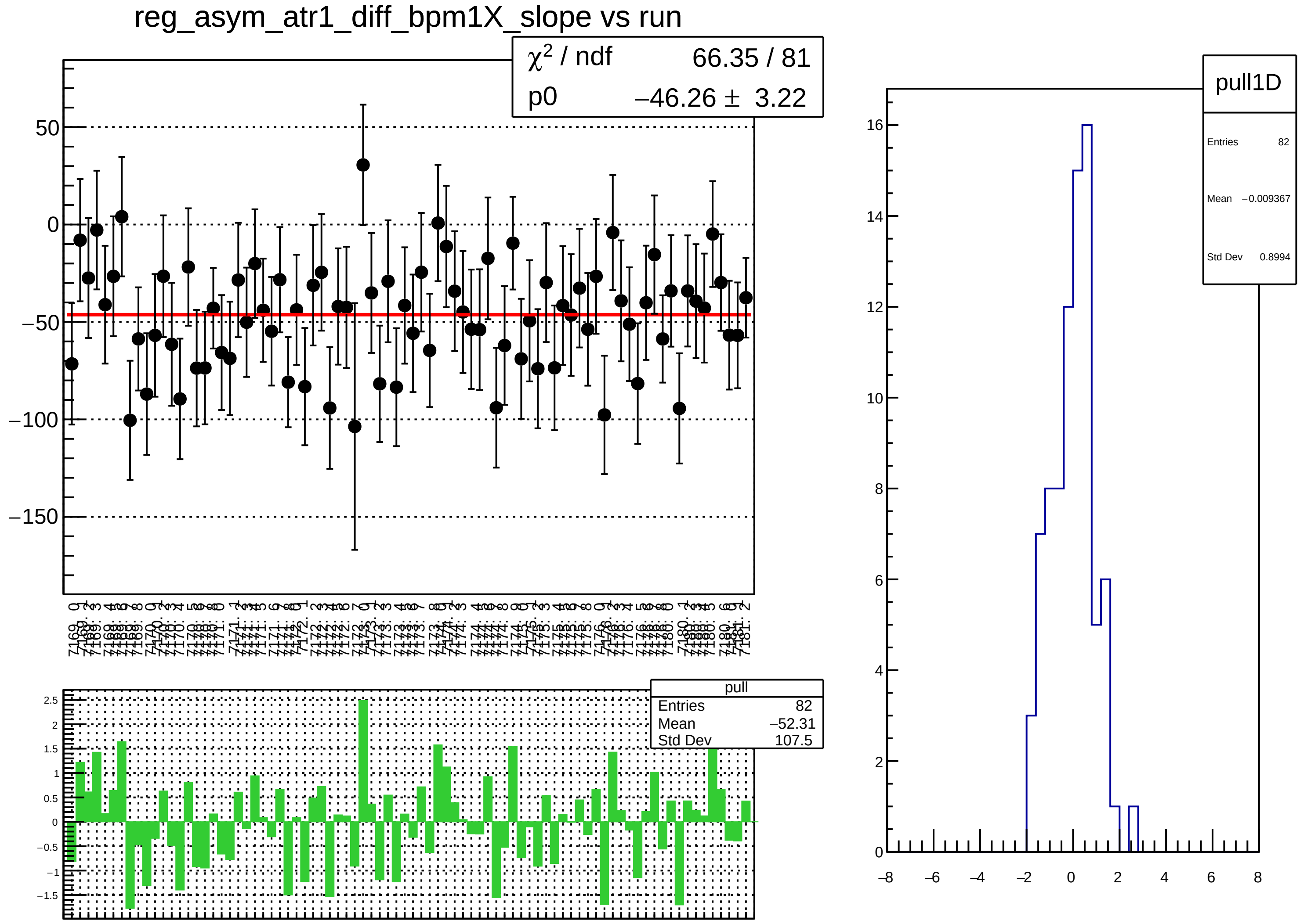

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.387 / 81
p0 8.379 ± 9.491
pull
Entries 82
Mean 8.498
Std Dev 29.92
pull1D
Entries 82
Mean 0.01507
Std Dev 0.2308


reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 7.435 / 81
p0 463.8 ± 13.35
pull
Entries 82
Mean 9.261
Std Dev 43.55
pull1D
Entries 82
Mean 0.01248
Std Dev 0.3009

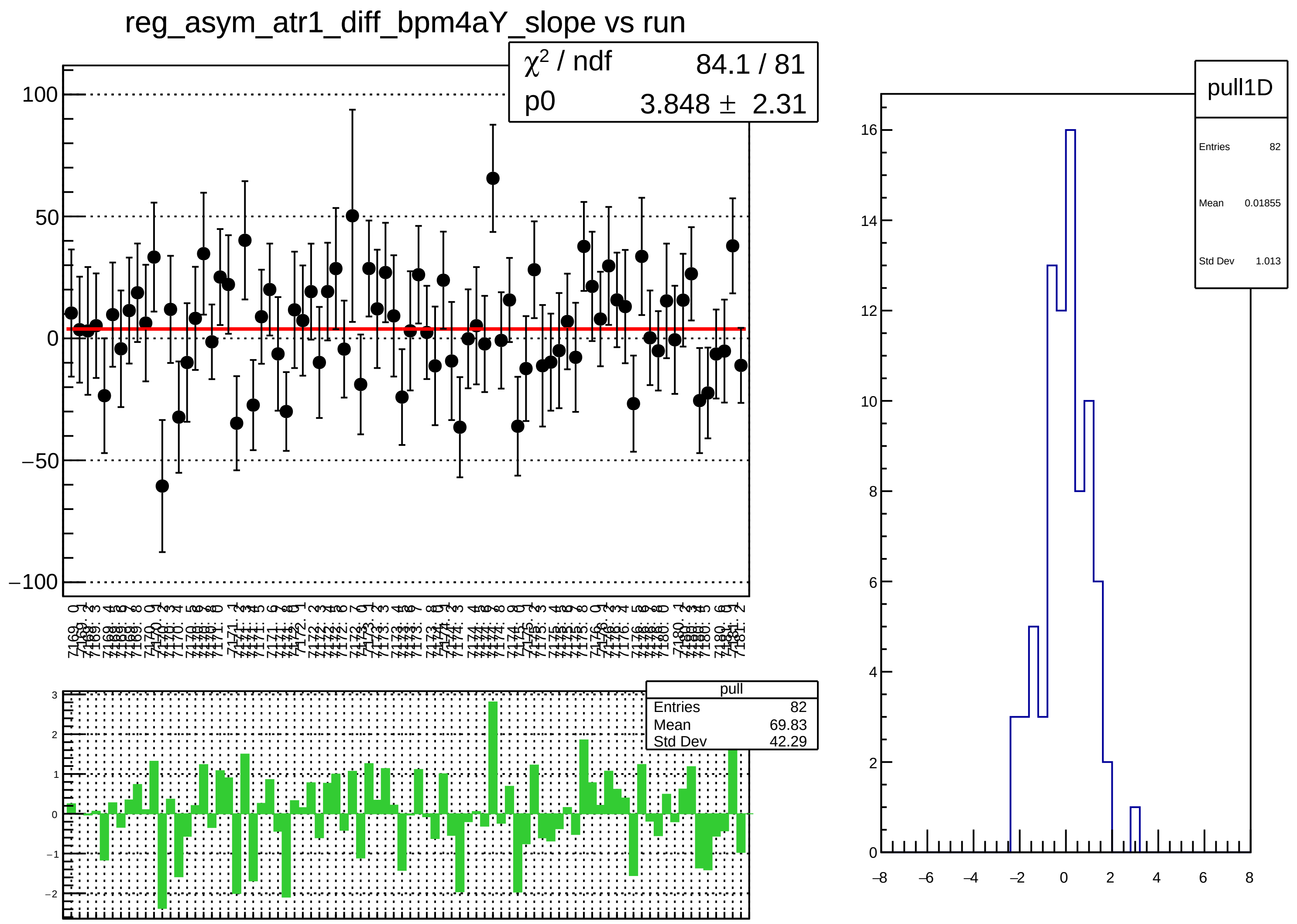

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.441 / 81
p0 140.6 ± 10.6
pull
Entries 82
Mean 10.17
Std Dev 45.75
pull1D
Entries 82
Mean −0.01279
Std Dev 0.2324

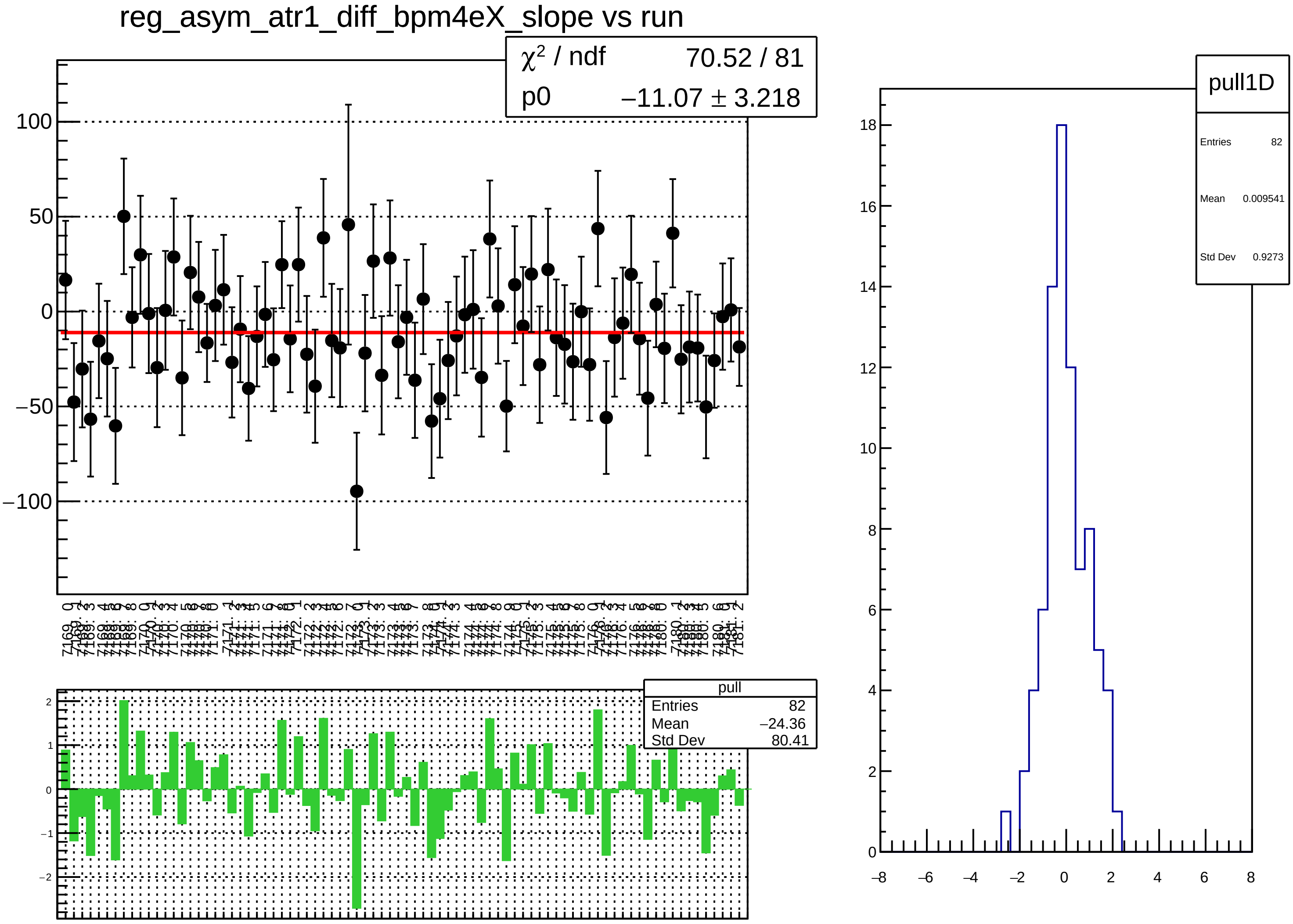


reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 13.79 / 81
p0 −288.2 ± 0.4996
pull
Entries 82
Mean −207.2
Std Dev 205.3
pull1D
Entries 82
Mean 0.003995
Std Dev 0.4101

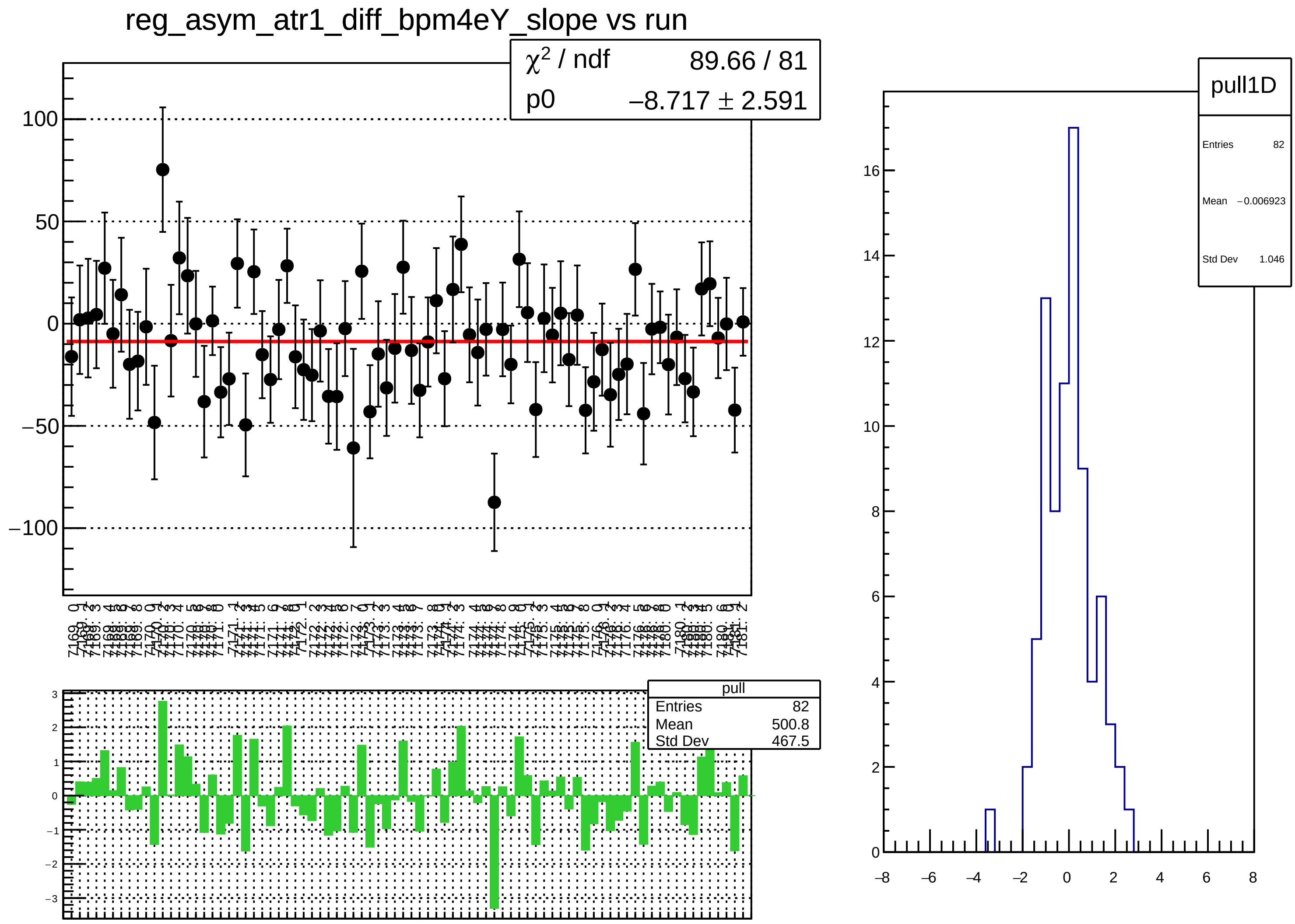


reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 66.35 / 81
p0 −46.26 ± 3.22
pull
Entries 82
Mean −52.31
Std Dev 107.5
pull1D
Entries 82
Mean −0.009367
Std Dev 0.8994

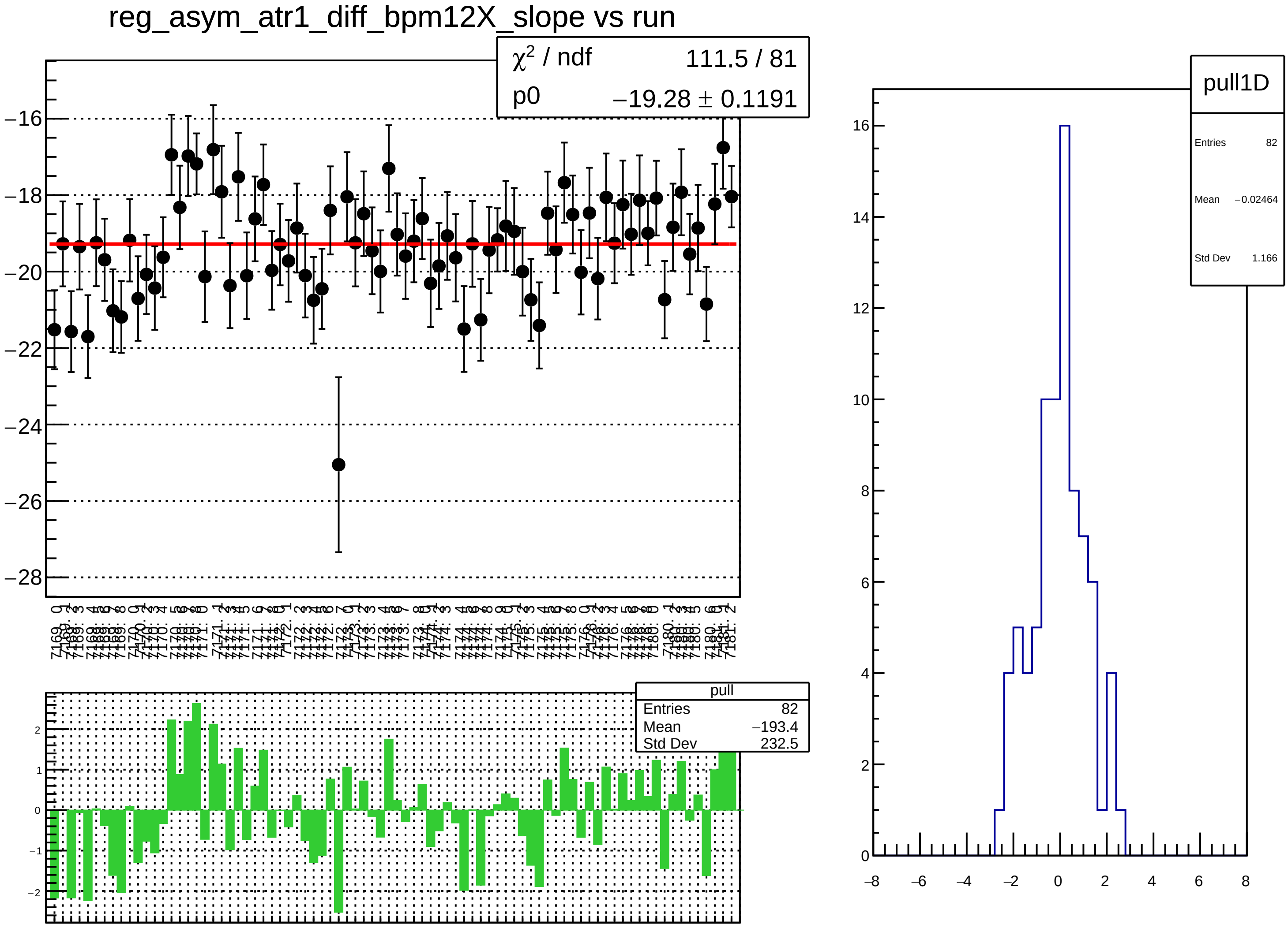

reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 84.1 / 81
p0 3.848 ± 2.31
100
50
0
−50
−100
pull
Entries 82
Mean 69.83
Std Dev 42.29
pull1D
Entries 82
Mean 0.01855
Std Dev 1.013



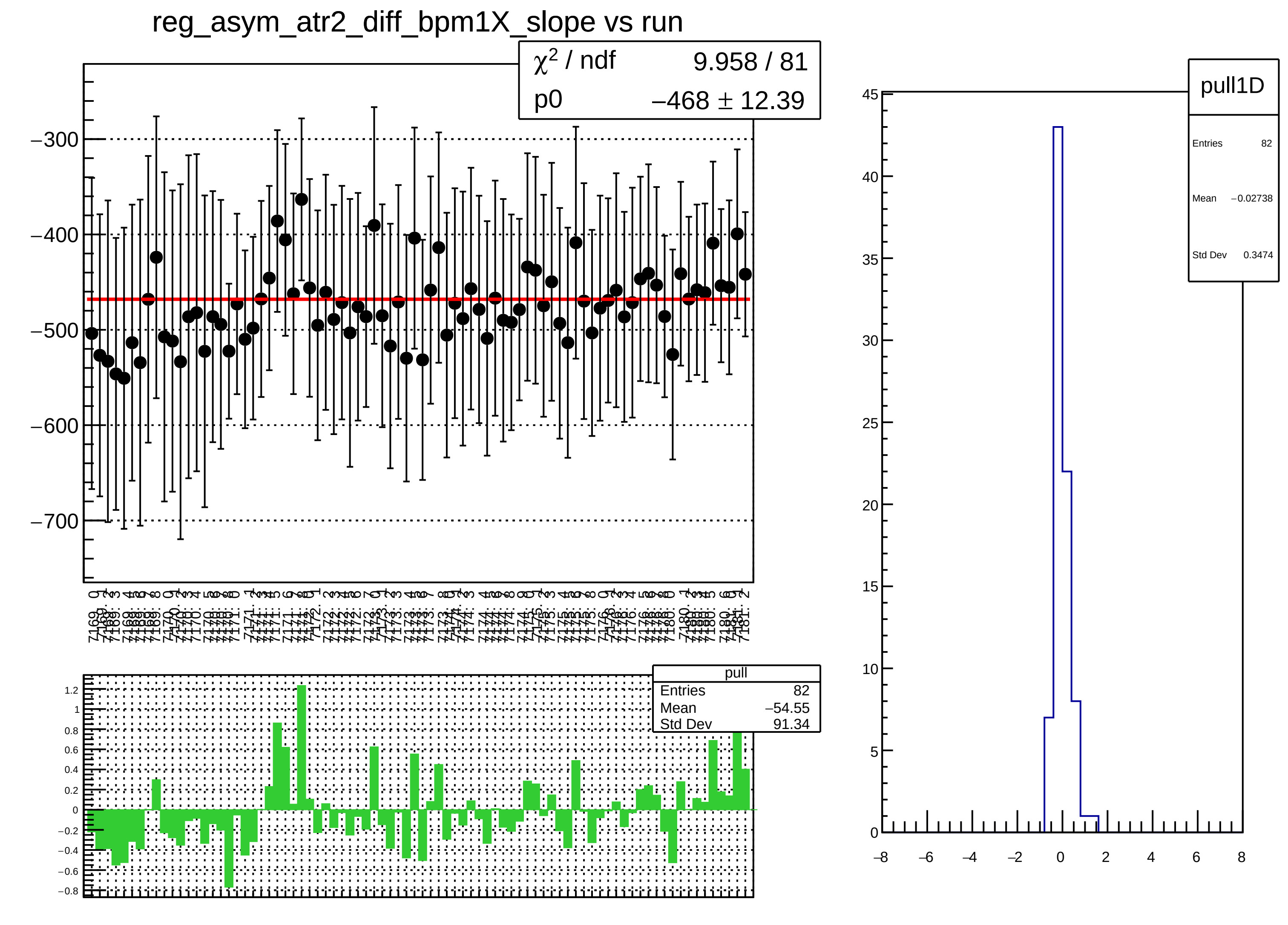
reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 70.52 / 81
p0 −11.07 ± 3.218
pull
Entries 82
Mean −24.36
Std Dev 80.41
pull1D
Entries 82
Mean 0.009541
Std Dev 0.9273



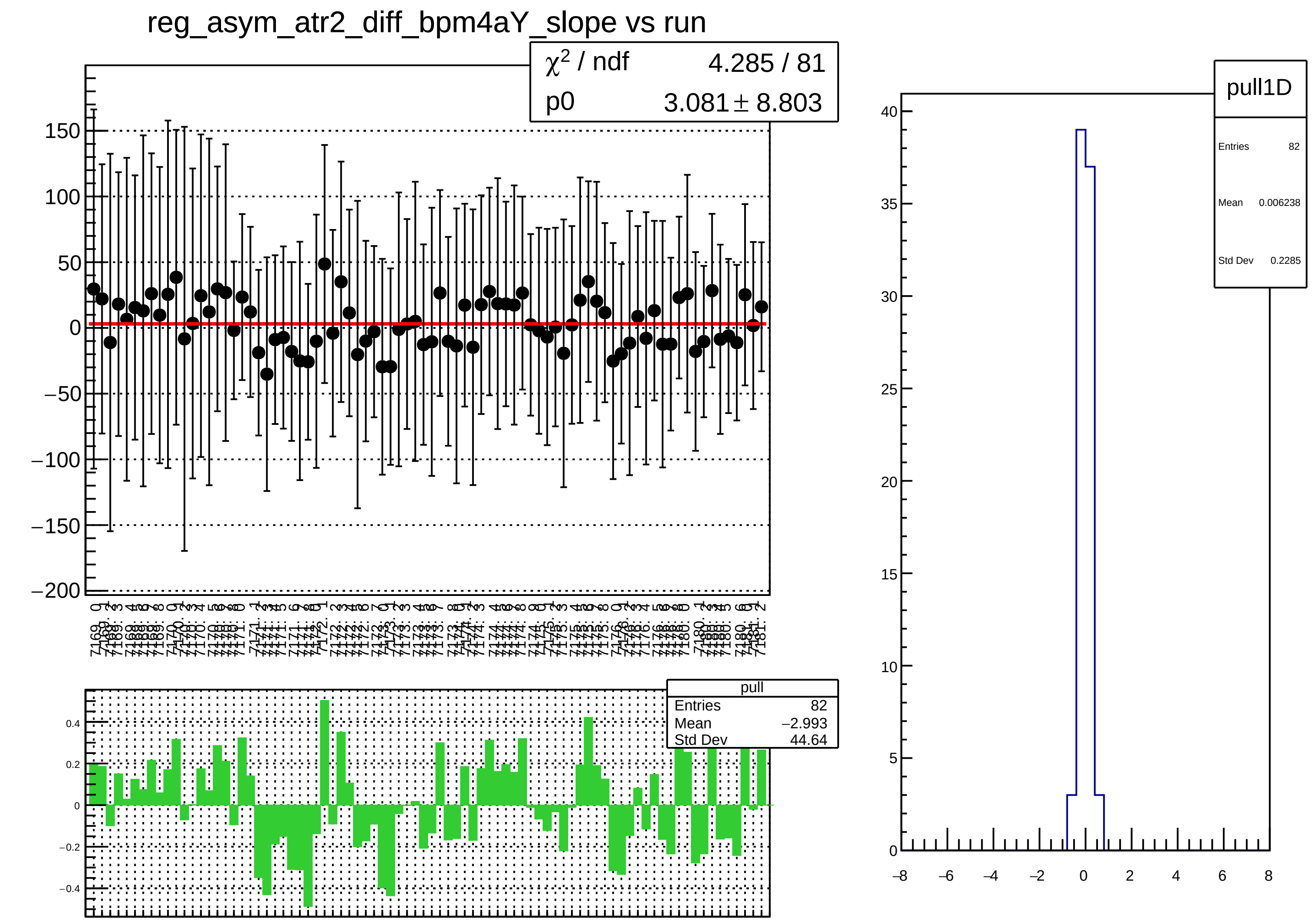
reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 89.66 / 81
p0 −8.717 ± 2.591
pull
Entries 82
Mean 500.8
Std Dev 467.5
pull1D
Entries 82
Mean −0.006923
Std Dev 1.046



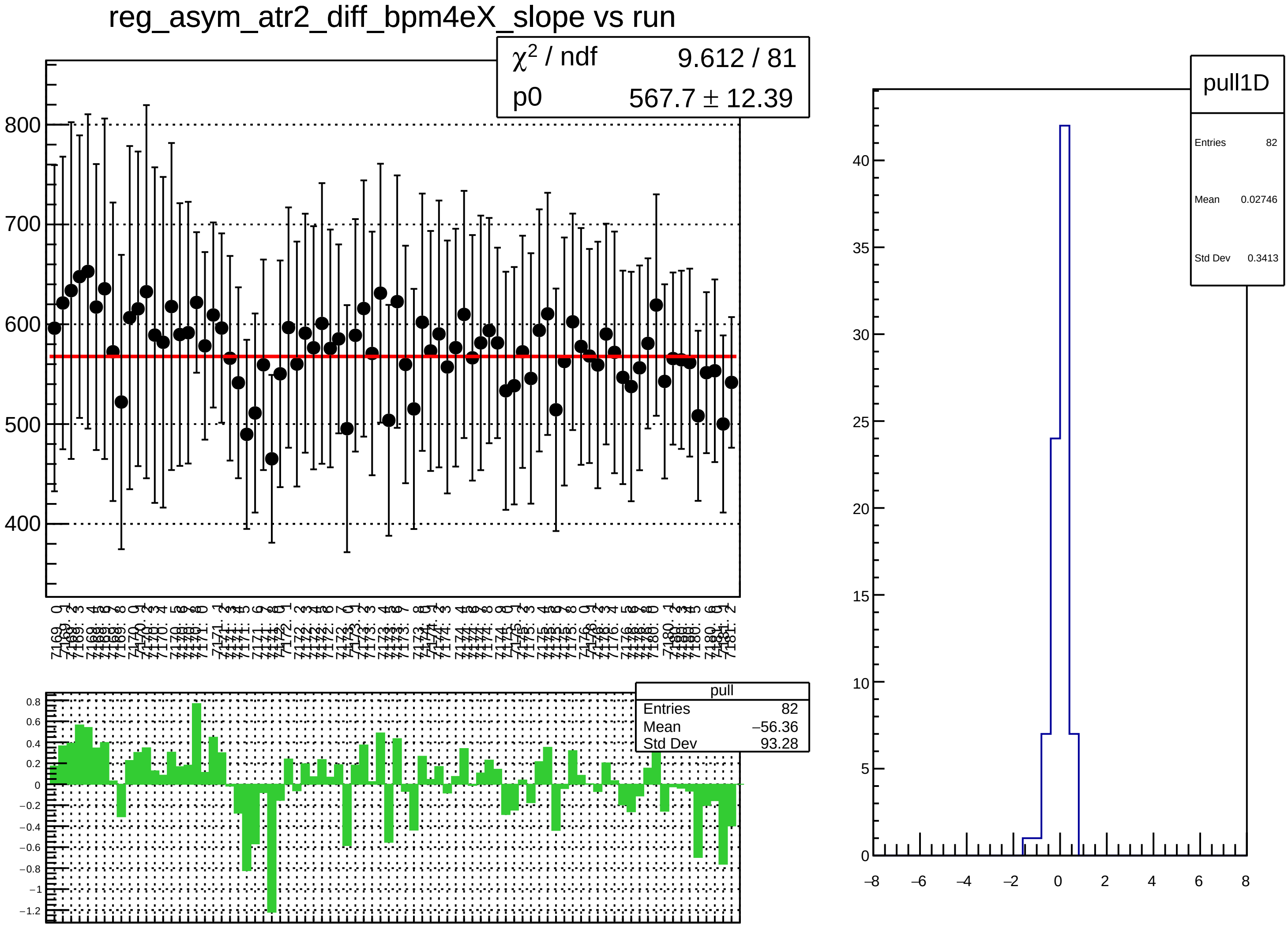
reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 111.5 / 81
p0 −19.28 ± 0.1191
pull
Entries 82
Mean −193.4
Std Dev 232.5
pull1D
Entries 82
Mean −0.02464
Std Dev 1.166



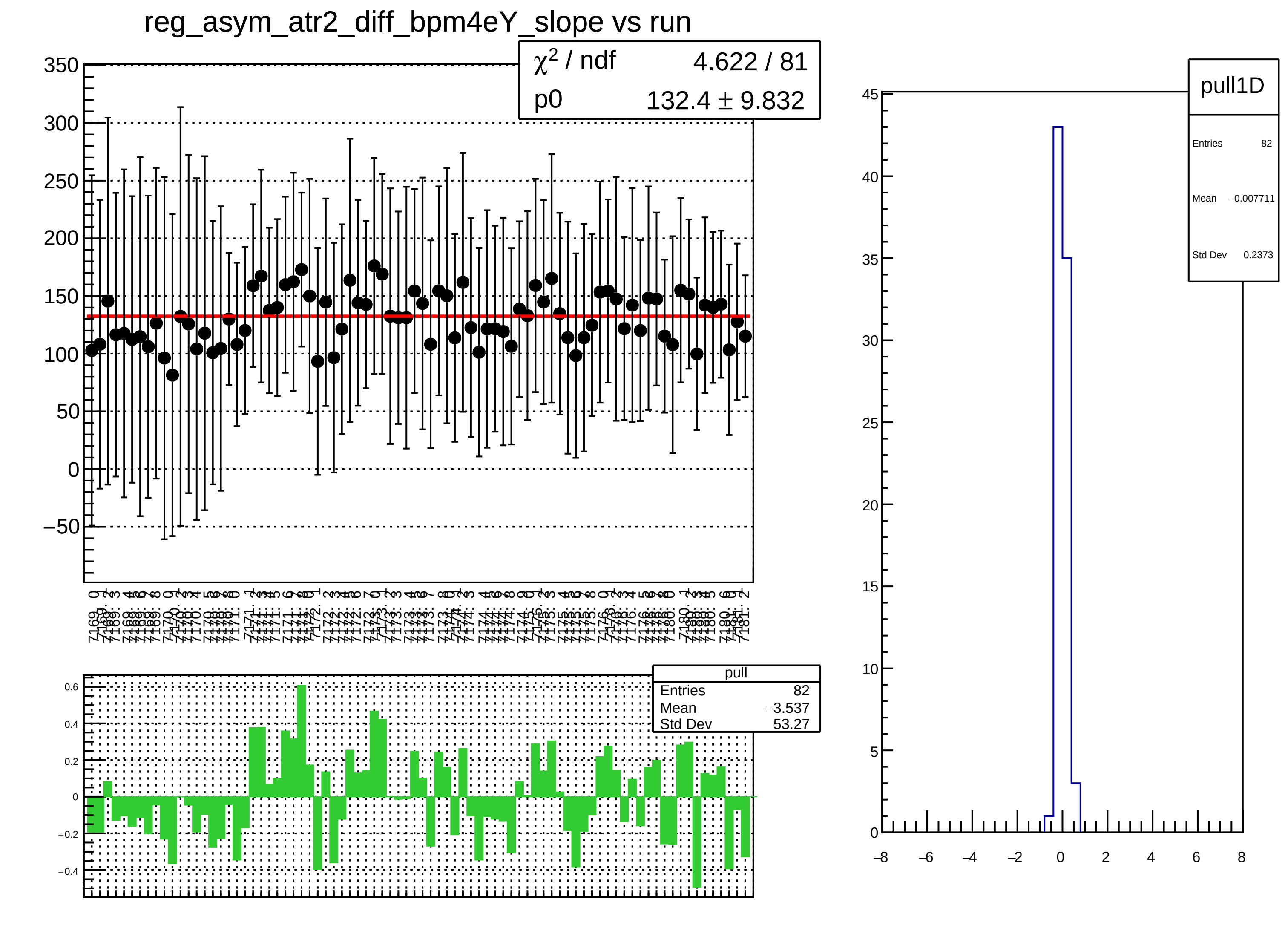
reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 9.958 / 81
p0 −468 ± 12.39
pull
Entries 82
Mean −54.55
Std Dev 91.34
pull1D
Entries 82
Mean −0.02738
Std Dev 0.3474

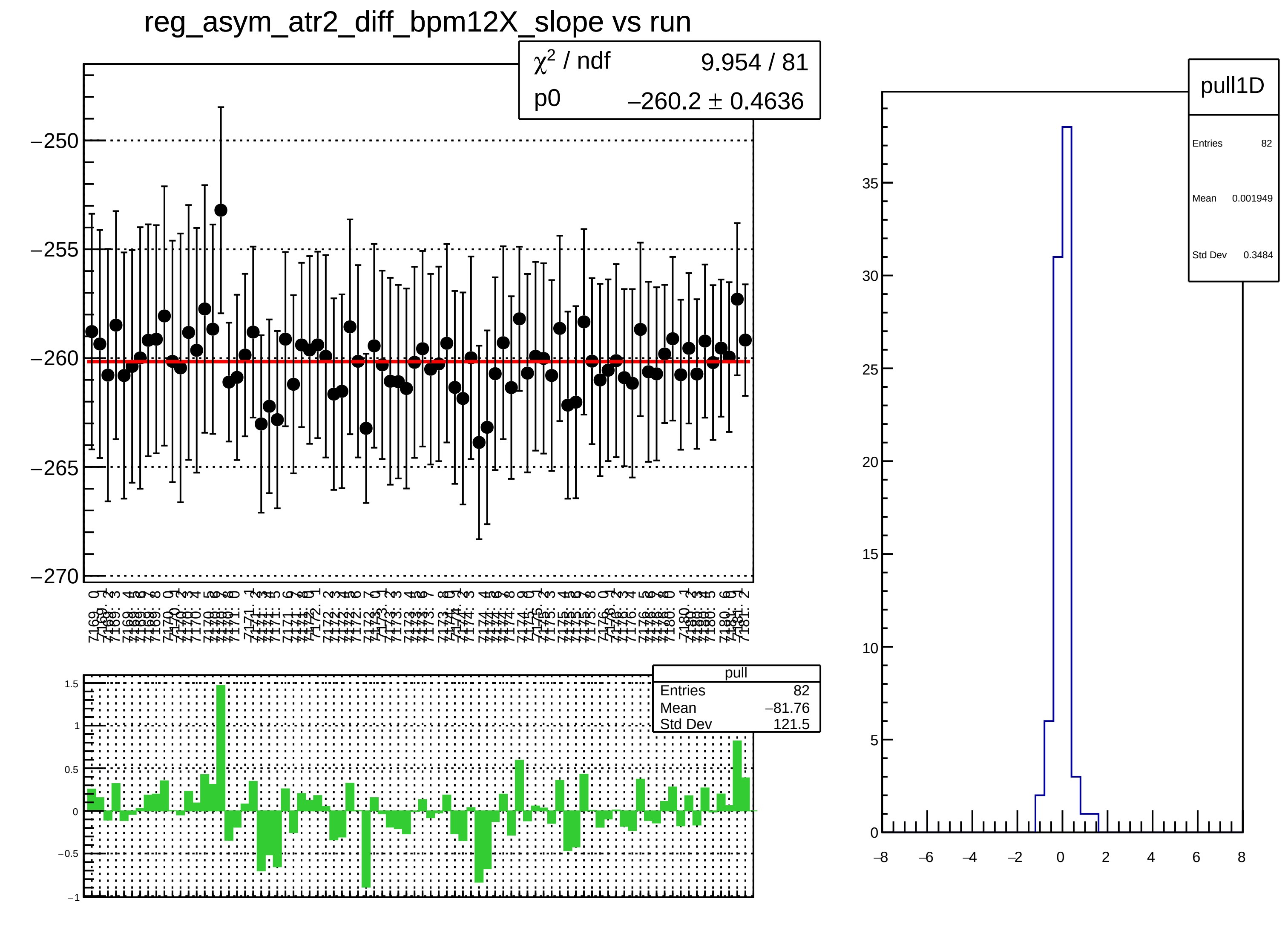


reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.285 / 81
p0 3.081 ± 8.803
pull
Entries 82
Mean −2.993
Std Dev 44.64
pull1D
Entries 82
Mean 0.006238
Std Dev 0.2285

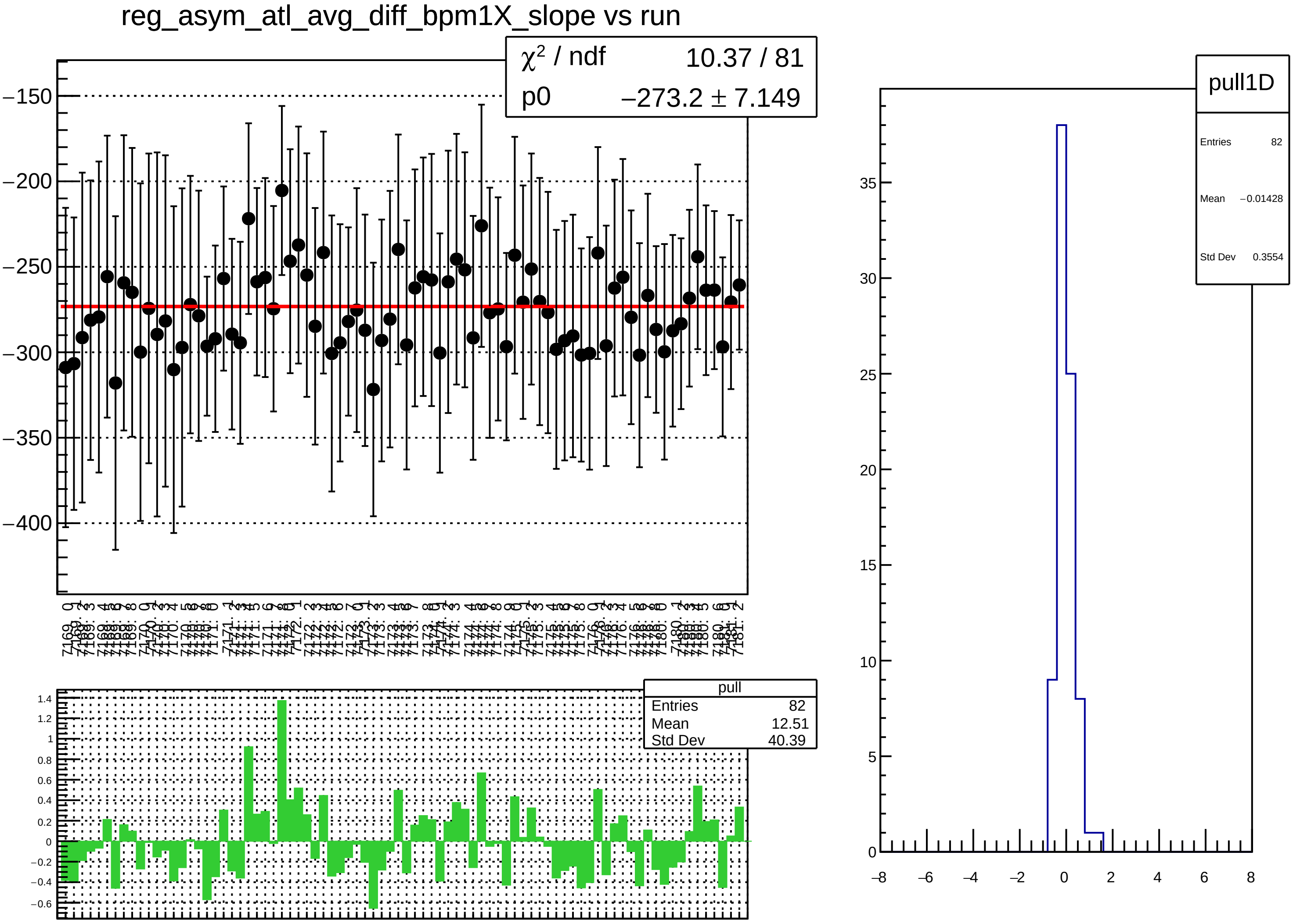


reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 9.612 / 81
p0 567.7 ± 12.39
800
700
600
500
400
pull
Entries 82
Mean −56.36
Std Dev 93.28
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 82
Mean 0.02746
Std Dev 0.3413
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

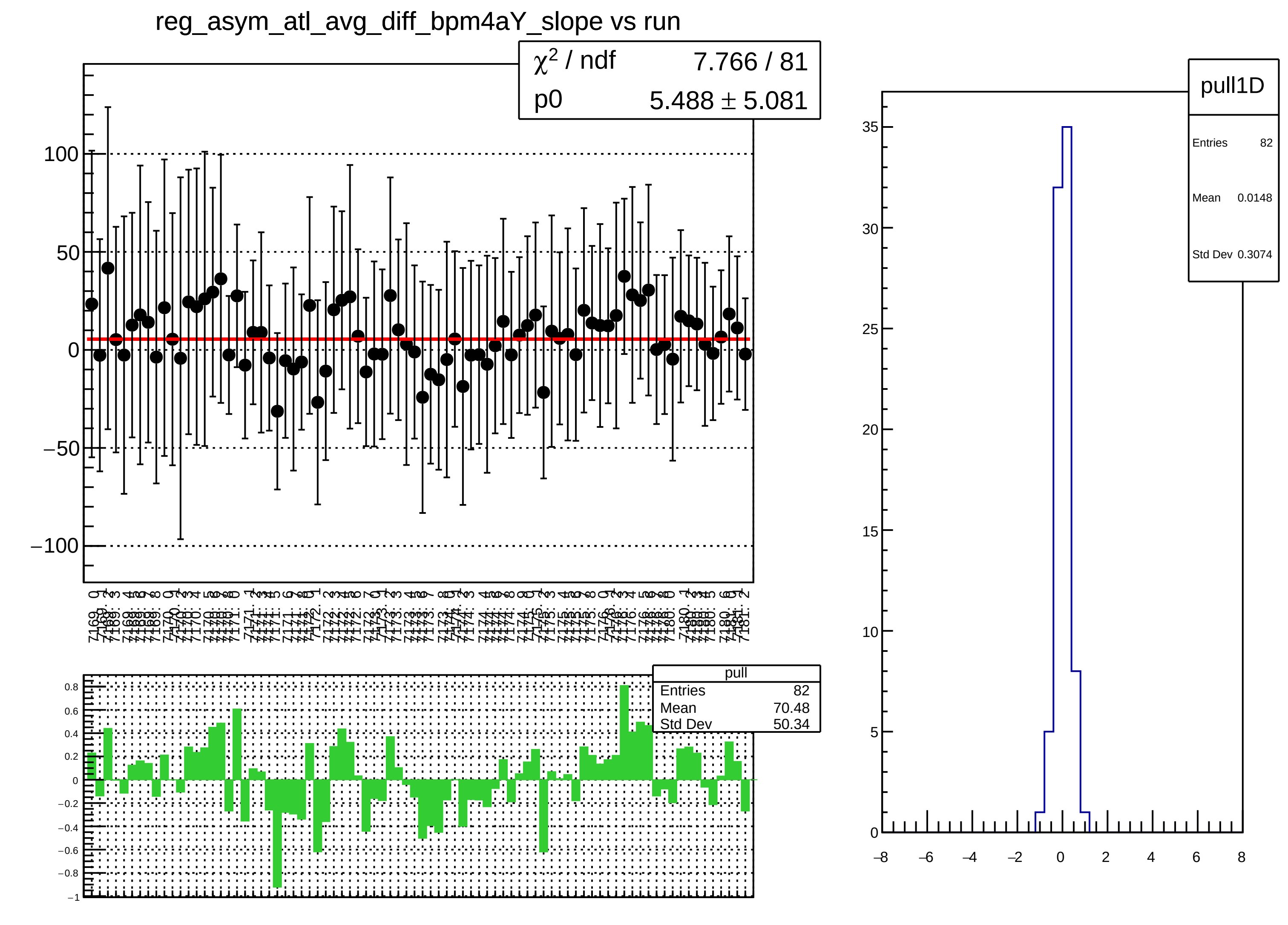

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.622 / 81
p0 132.4 ± 9.832
pull
Entries 82
Mean −3.537
Std Dev 53.27
pull1D
Entries 82
Mean −0.007711
Std Dev 0.2373

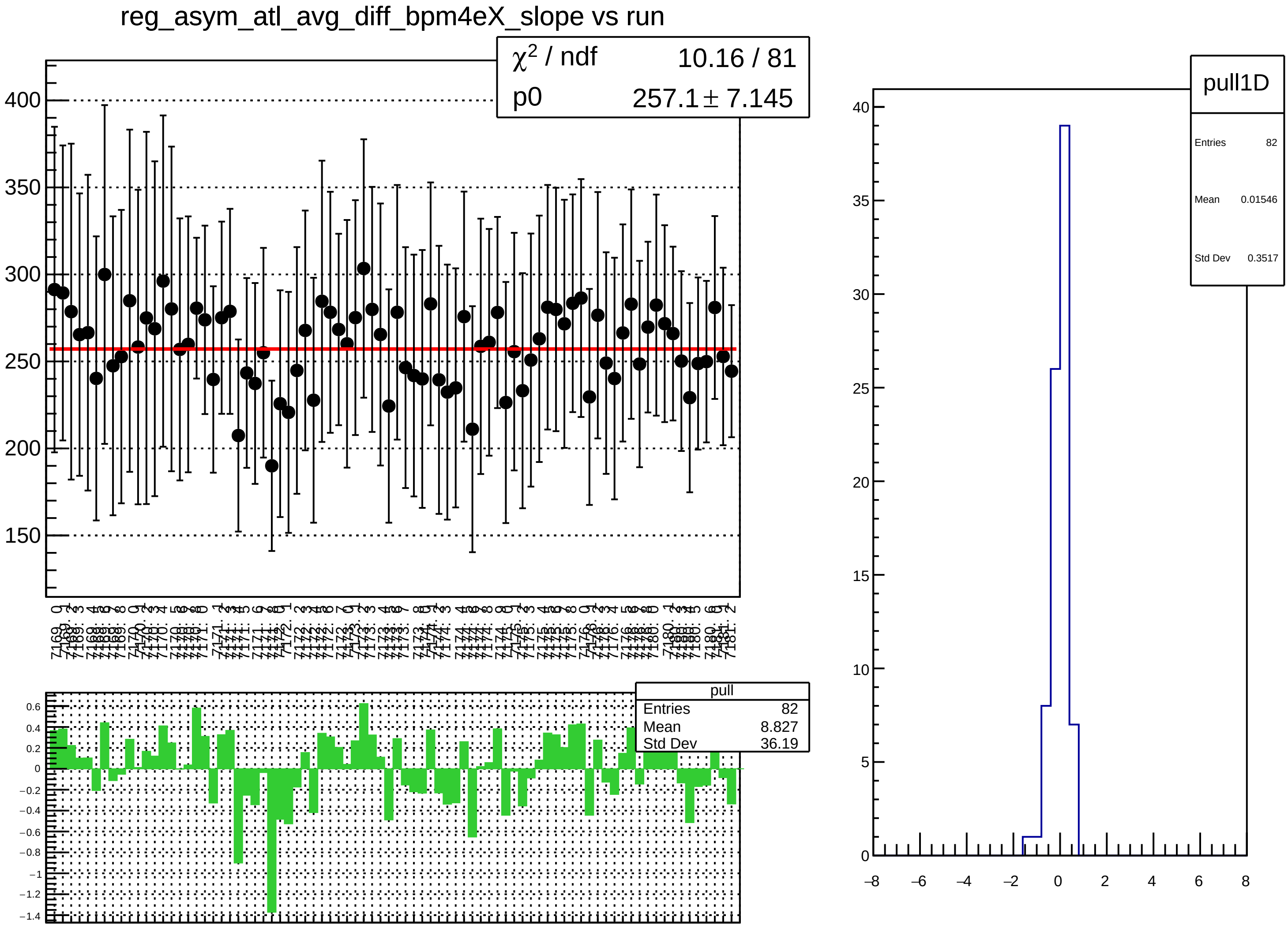


reg_asym_atr2_diff_bpm12X_slope vs run
χ2 / ndf 9.954 / 81
p0 −260.2 ± 0.4636
−250
−255
−260
−265
−270
pull
Entries 82
Mean −81.76
Std Dev 121.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean 0.001949
Std Dev 0.3484
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

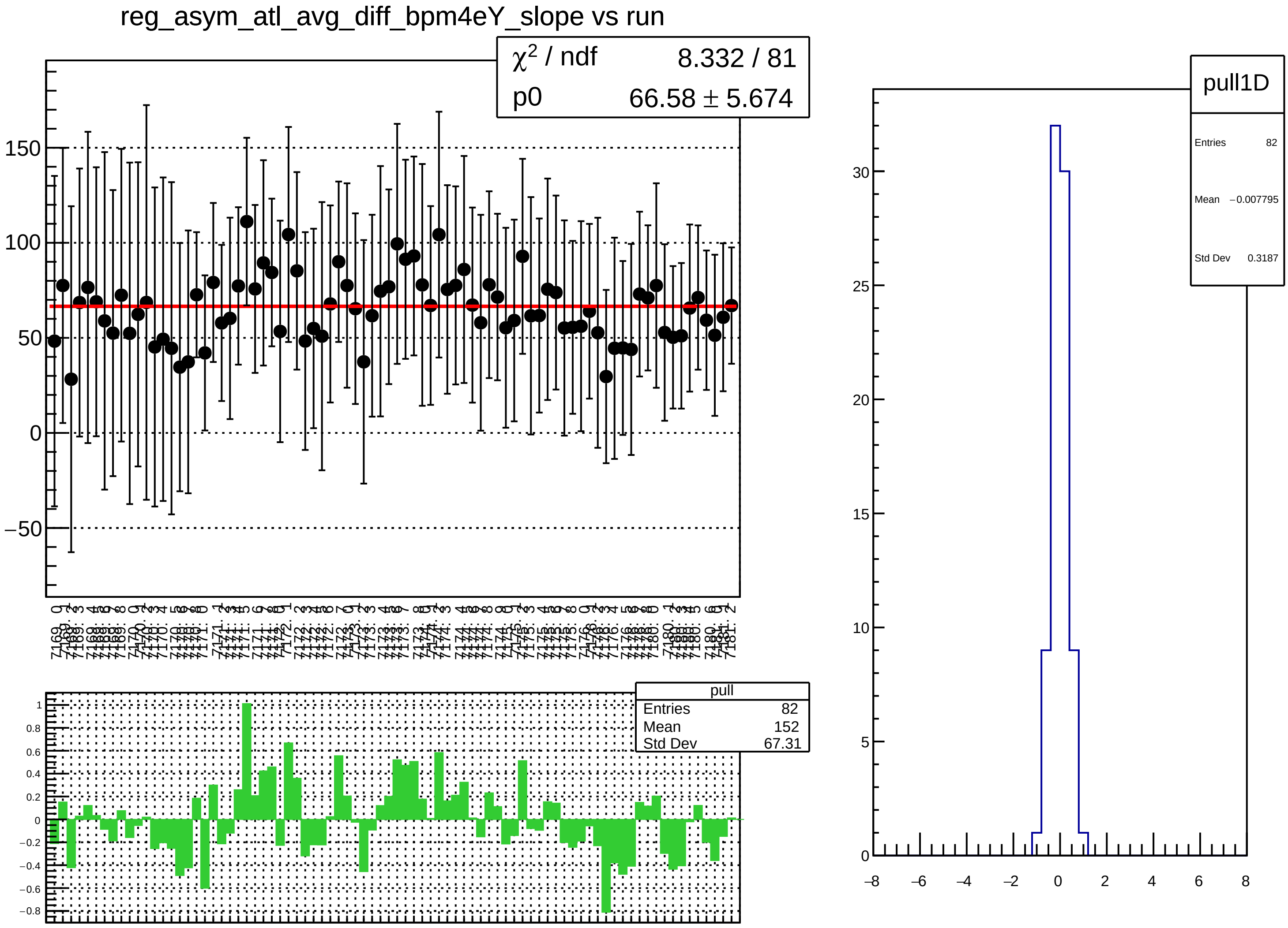


reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.37 / 81
p0 −273.2 ± 7.149
pull
Entries 82
Mean 12.51
Std Dev 40.39
pull1D
Entries 82
Mean −0.01428
Std Dev 0.3554

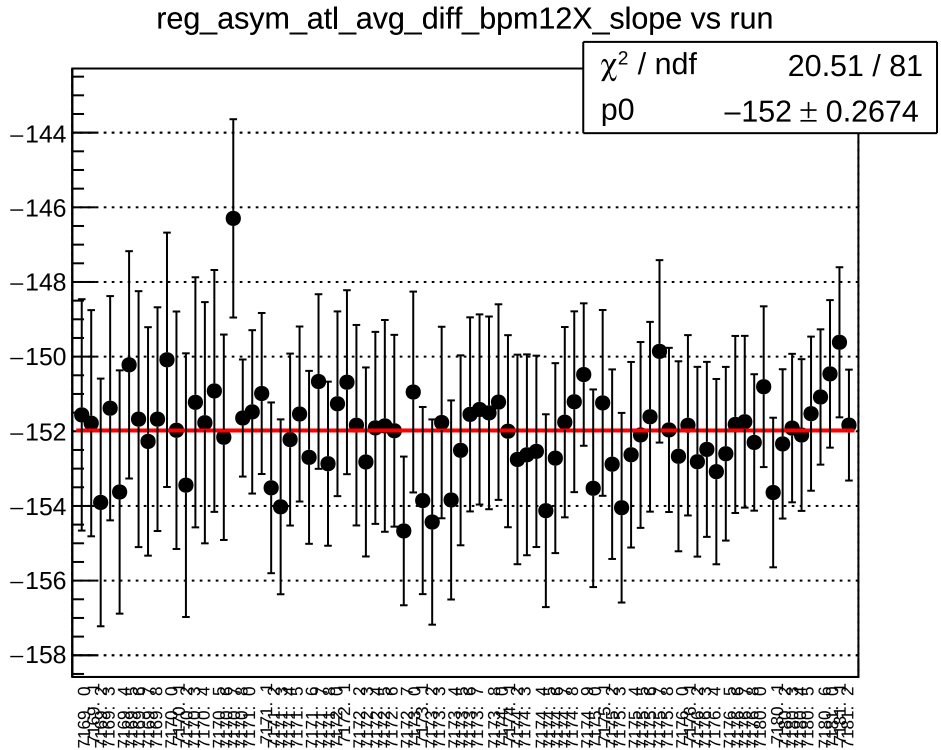

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.766 / 81
p0 5.488 ± 5.081
pull
Entries 82
Mean 70.48
Std Dev 50.34
pull1D
Entries 82
Mean 0.0148
Std Dev 0.3074

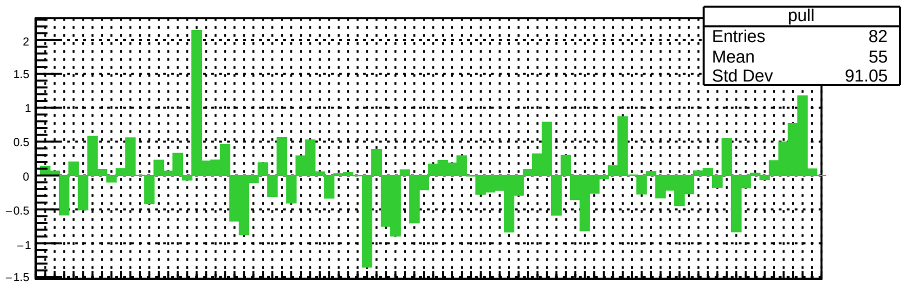


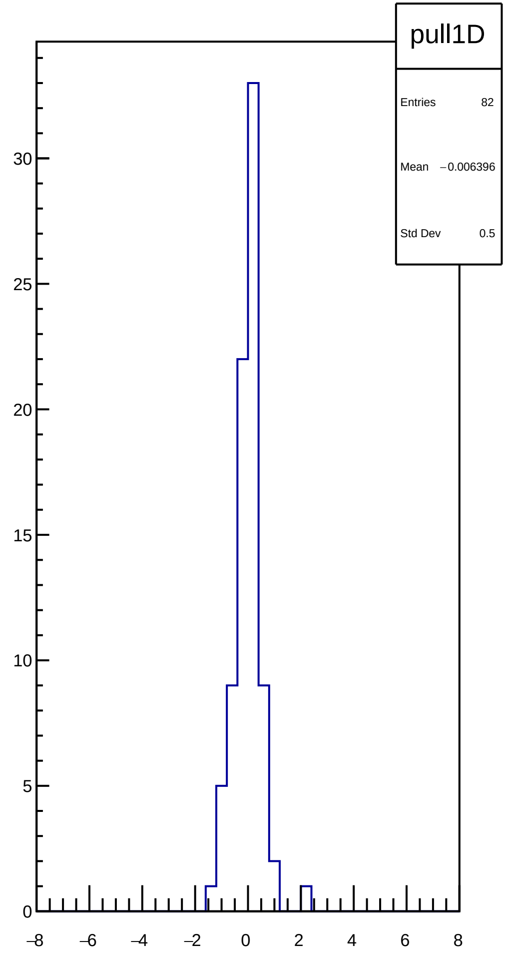
reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.16 / 81
p0 257.1 ± 7.145
pull
Entries 82
Mean 8.827
Std Dev 36.19
pull1D
Entries 82
Mean 0.01546
Std Dev 0.3517

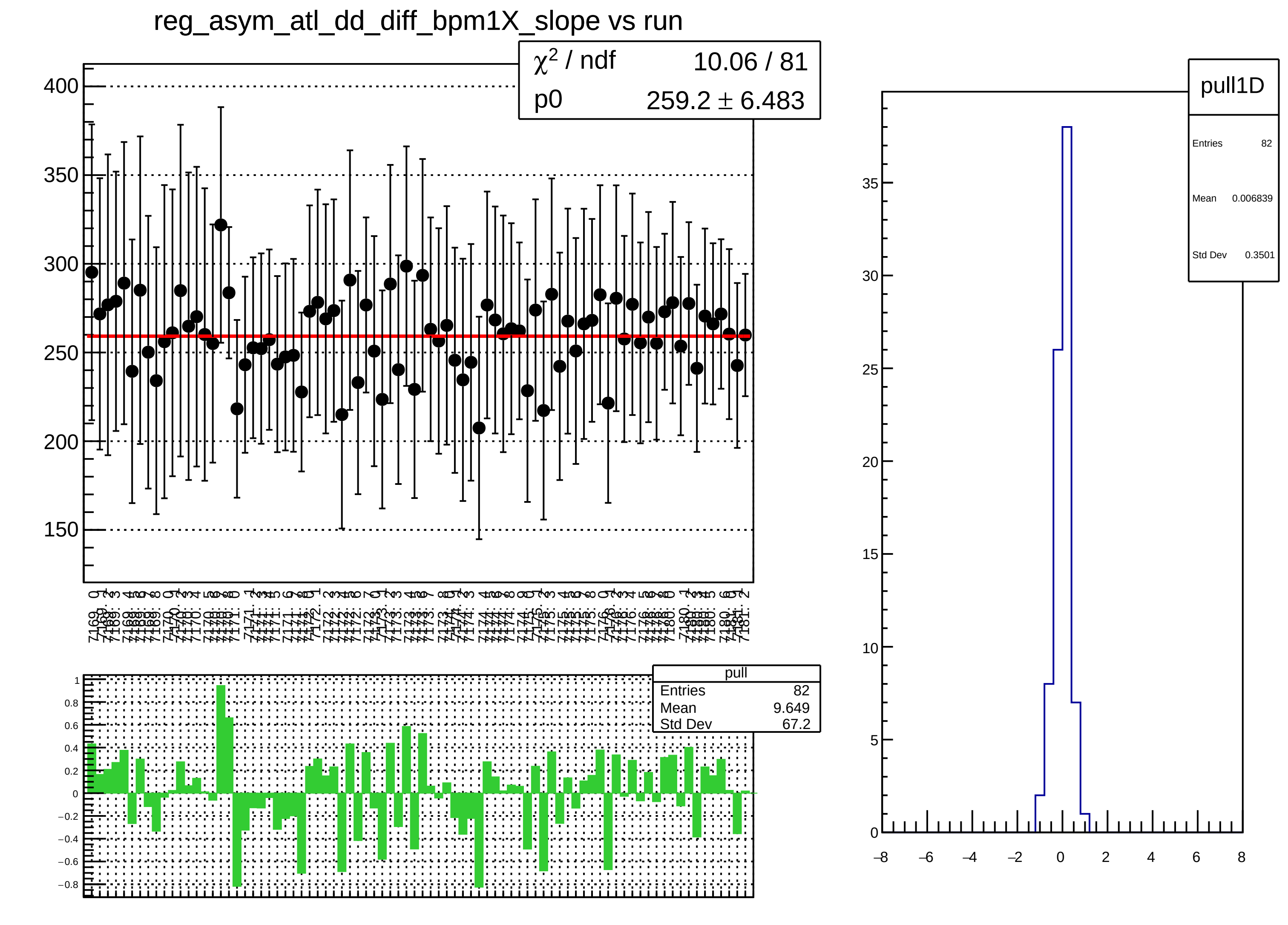


reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.332 / 81
p0 66.58 ± 5.674
150
100
50
0
−50
pull
Entries 82
Mean 152
Std Dev 67.31
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean −0.007795
Std Dev 0.3187
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

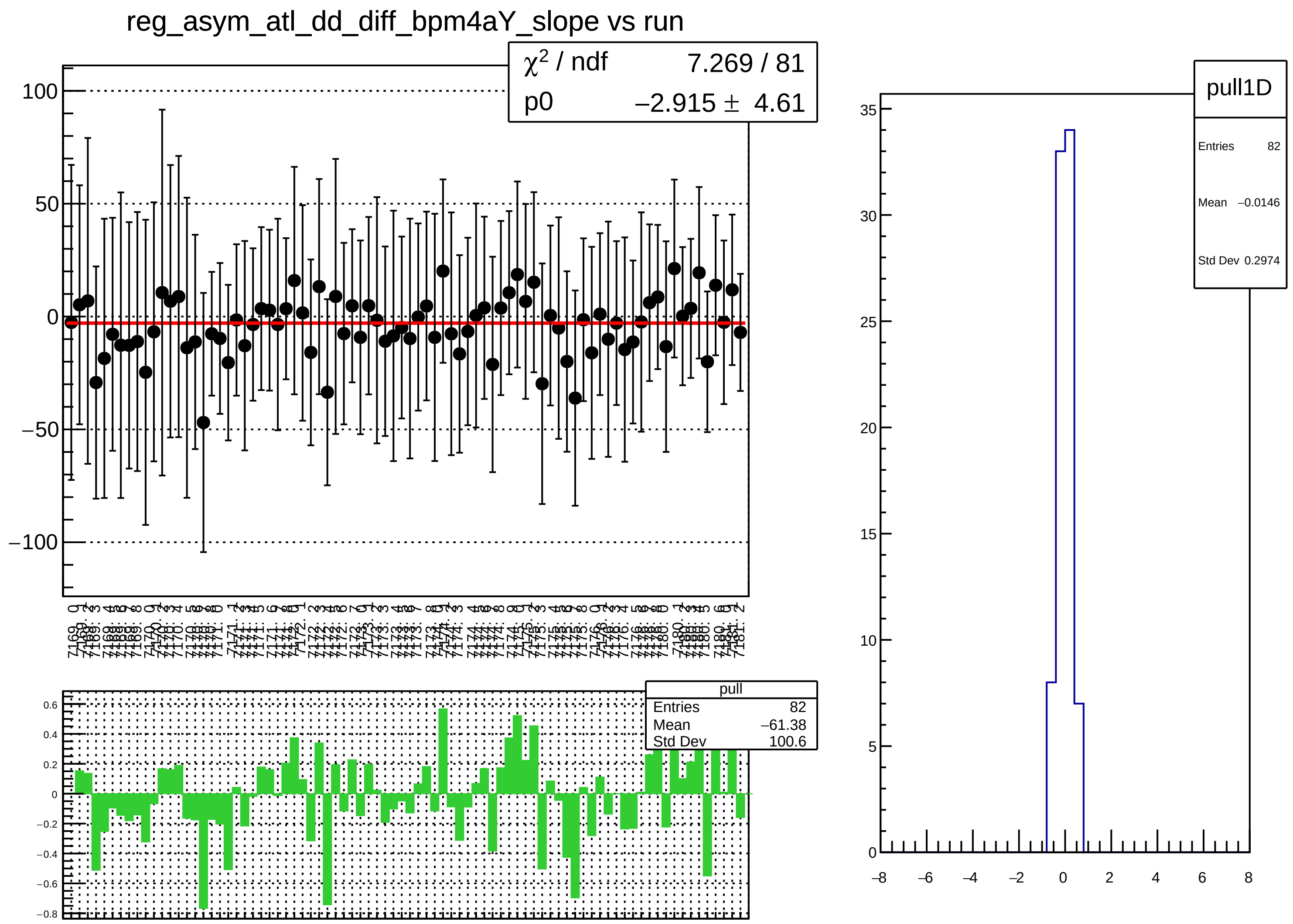

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.51 / 81
p0 −152 ± 0.2674
−144
−146
−148
−150
−152
−154
−156
−158

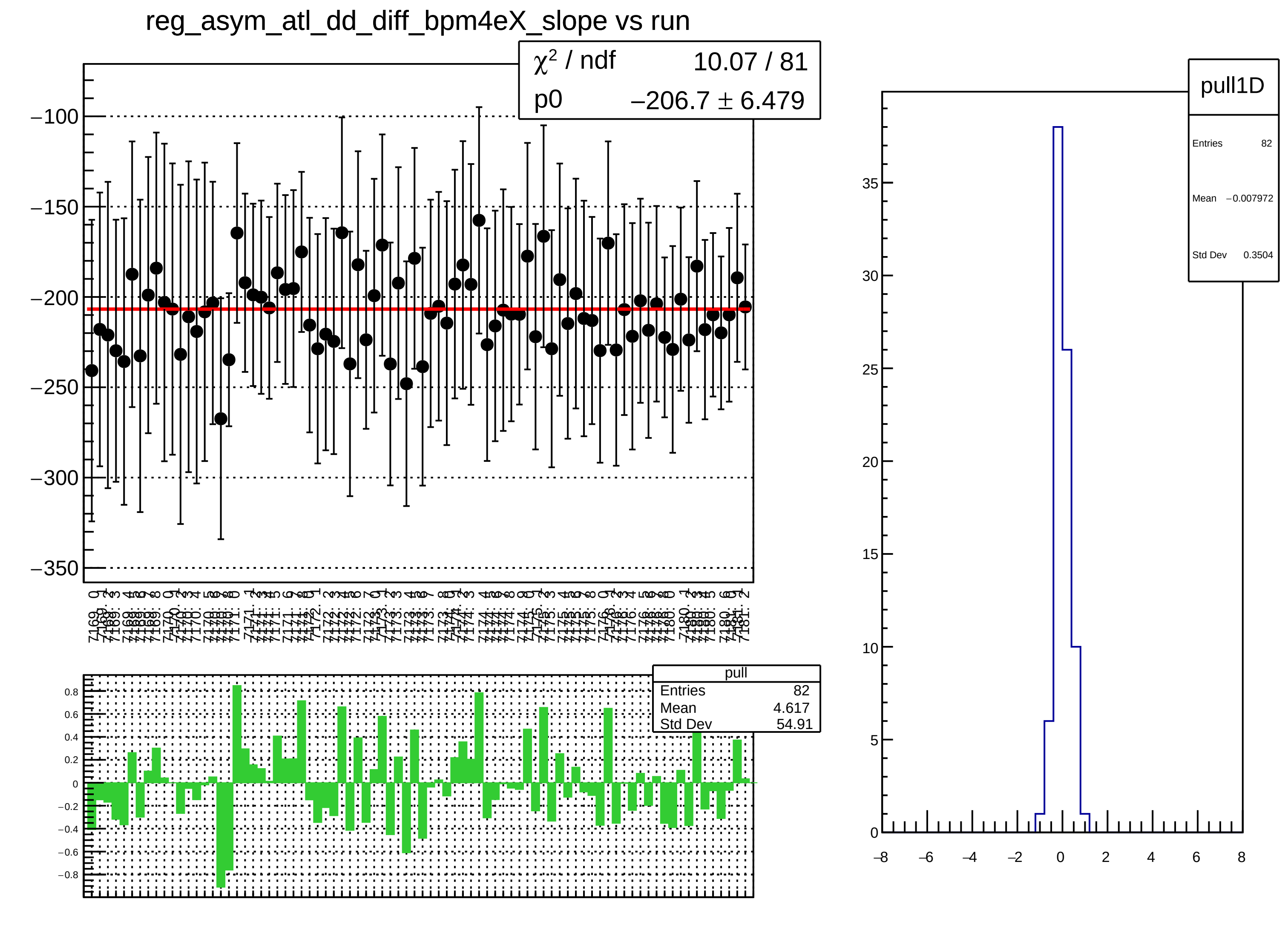

pull
Entries 82
Mean 55
Std Dev 91.05


pull1D
Entries 82
Mean −0.006396
Std Dev 0.5

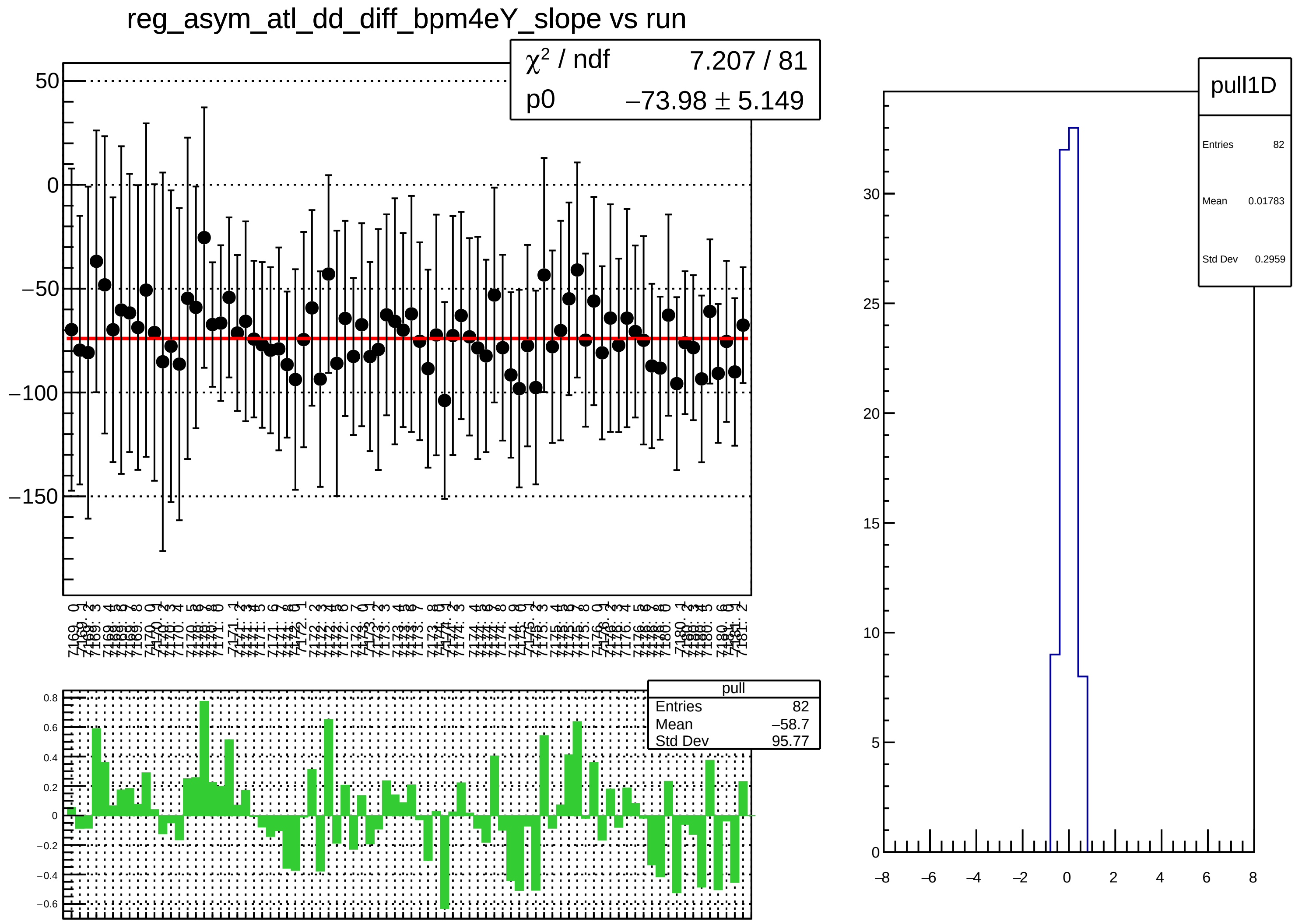


reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.06 / 81
p0 259.2 ± 6.483
pull
Entries 82
Mean 9.649
Std Dev 67.2
pull1D
Entries 82
Mean 0.006839
Std Dev 0.3501

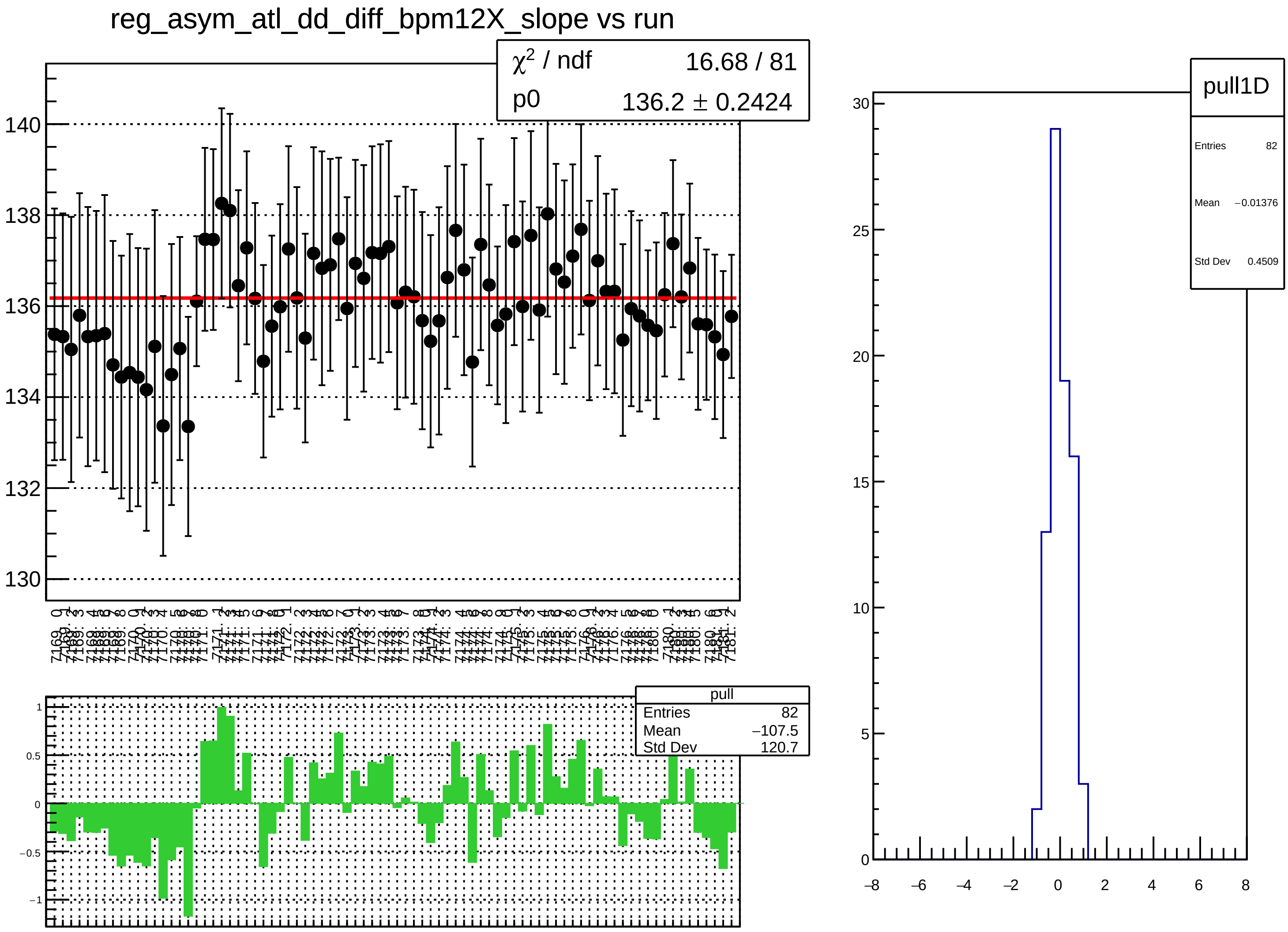

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.269 / 81
p0 −2.915 ± 4.61
pull
Entries 82
Mean −61.38
Std Dev 100.6
pull1D
Entries 82
Mean −0.0146
Std Dev 0.2974



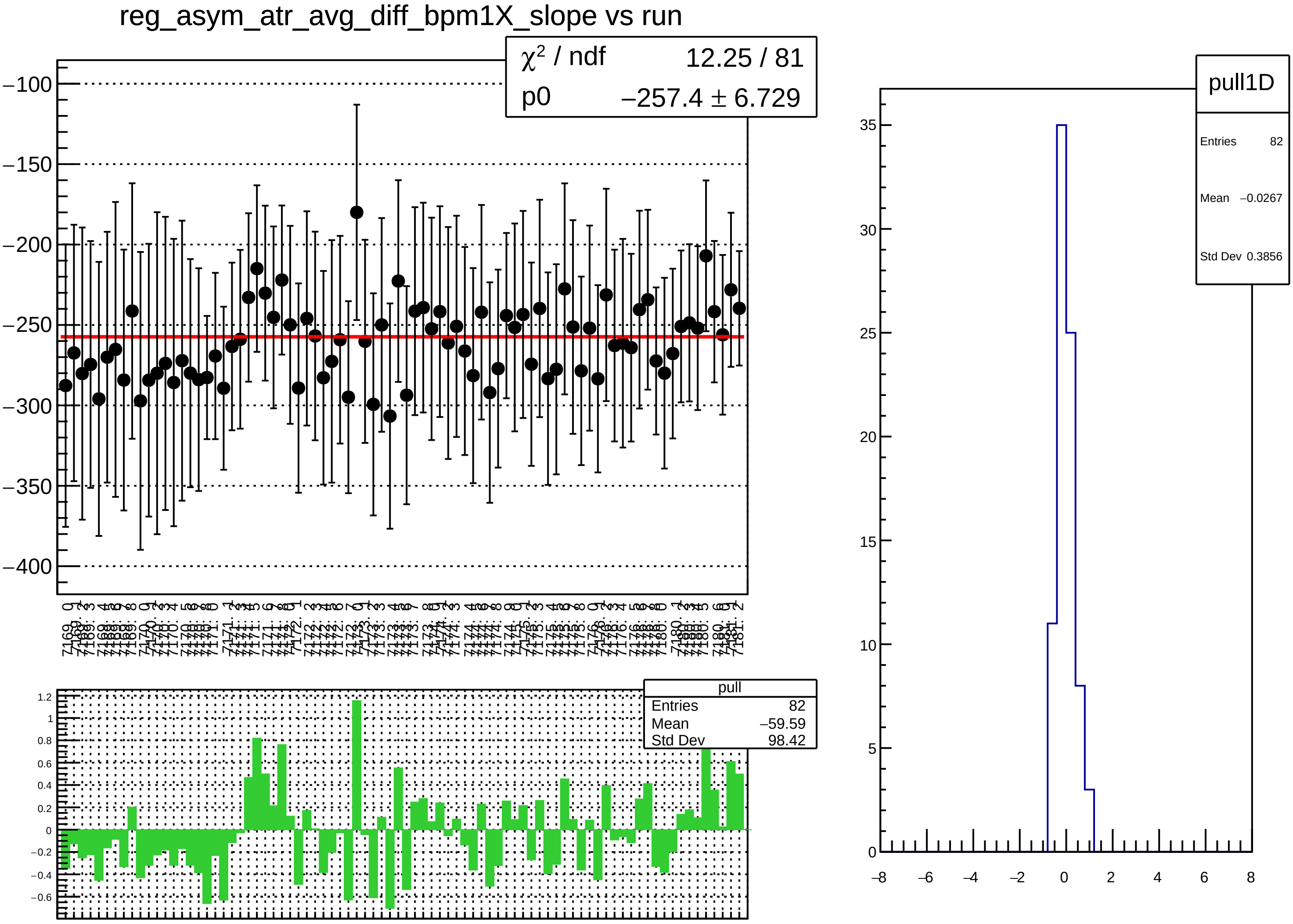
reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ2 / ndf 10.07 / 81
p0 −206.7 ± 6.479
pull
Entries 82
Mean 4.617
Std Dev 54.91
pull1D
Entries 82
Mean −0.007972
Std Dev 0.3504

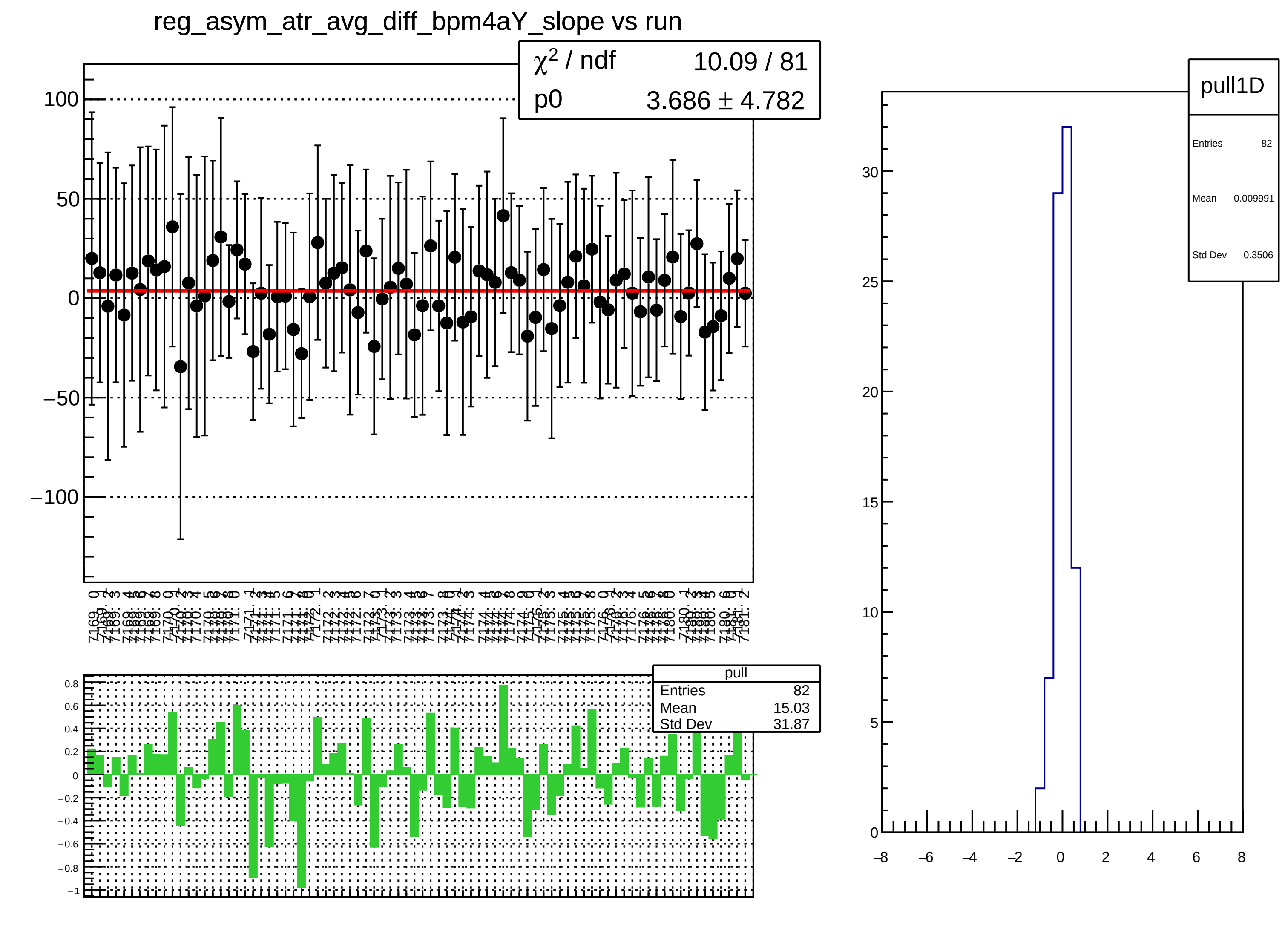


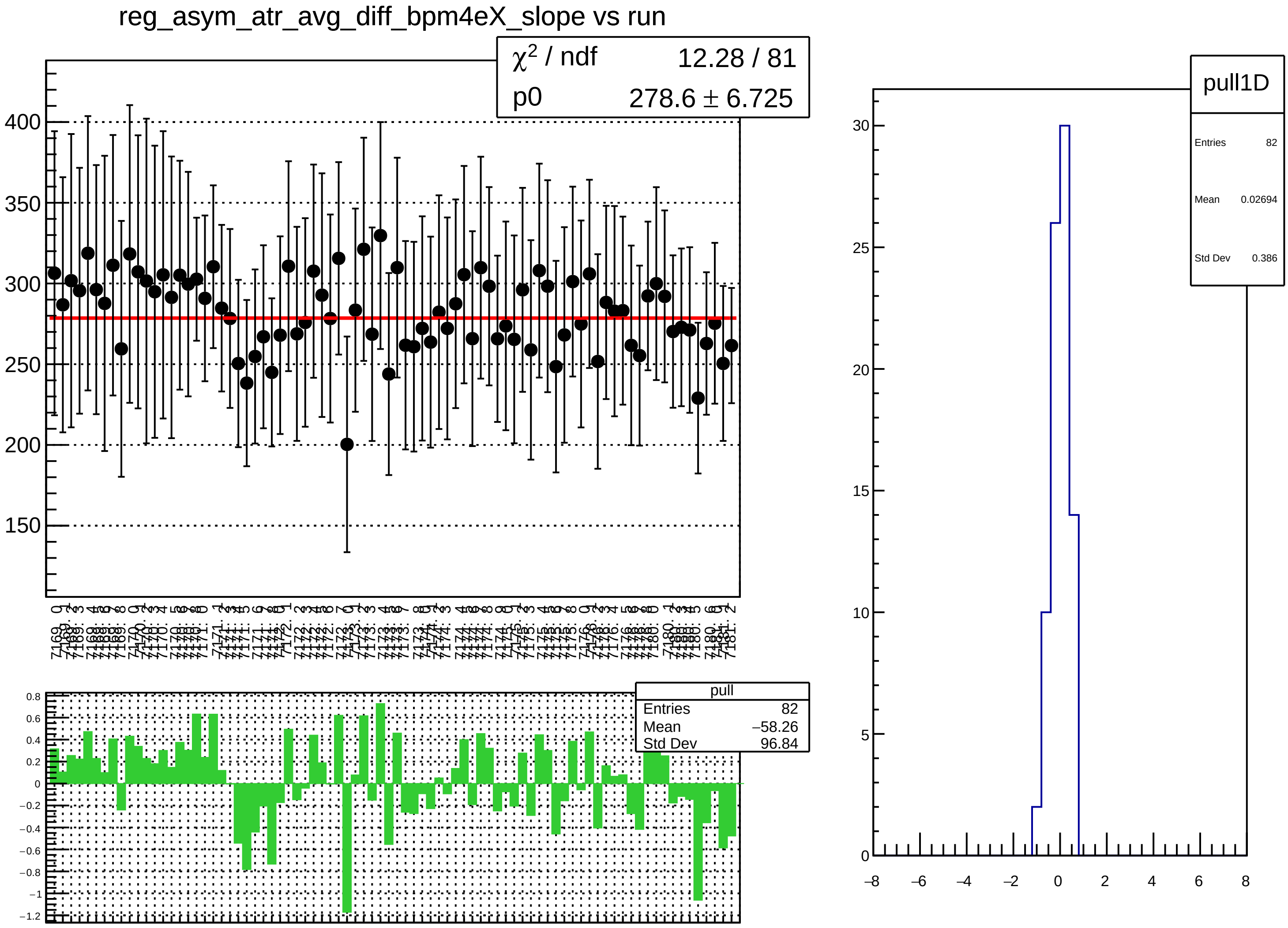
reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ2 / ndf 7.207 / 81
p0 −73.98 ± 5.149
pull
Entries 82
Mean −58.7
Std Dev 95.77
pull1D
Entries 82
Mean 0.01783
Std Dev 0.2959



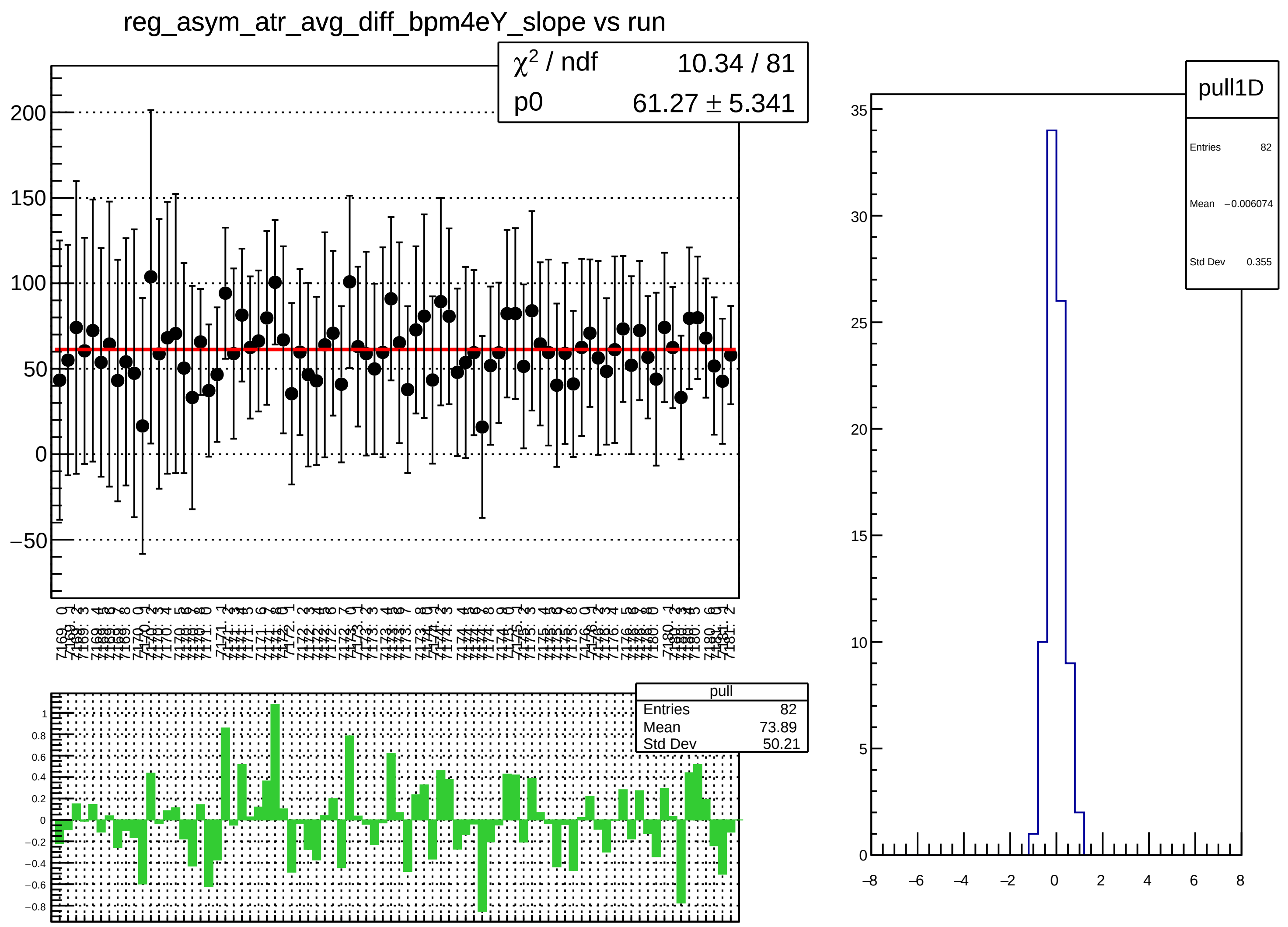
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ2 / ndf 16.68 / 81
p0 136.2 ± 0.2424
pull
Entries 82
Mean −107.5
Std Dev 120.7
pull1D
Entries 82
Mean −0.01376
Std Dev 0.4509


reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.25 / 81
p0 −257.4 ± 6.729
pull
Entries 82
Mean −59.59
Std Dev 98.42
pull1D
Entries 82
Mean −0.0267
Std Dev 0.3856

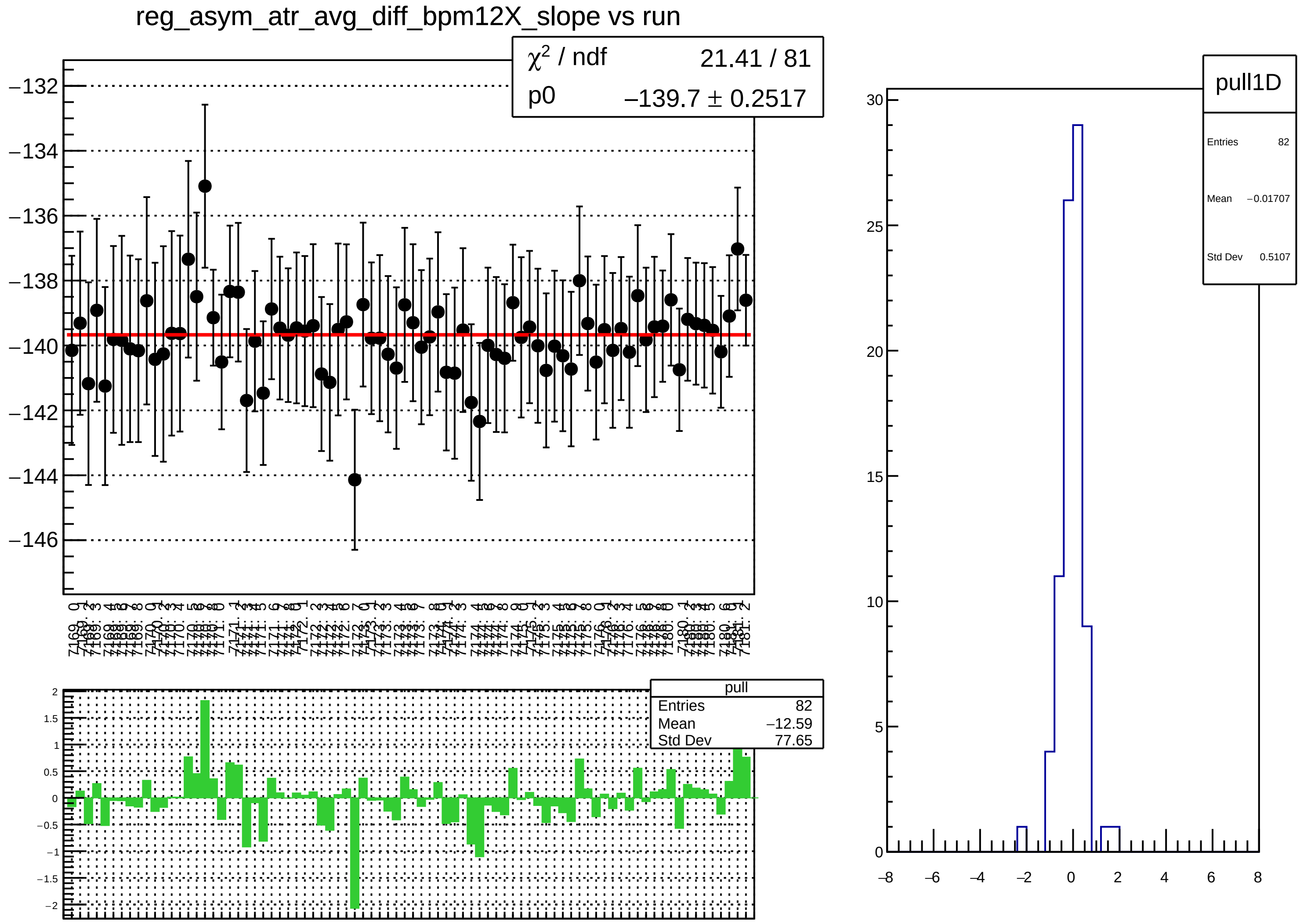

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ2 / ndf 10.09 / 81
p0 3.686 ± 4.782
pull
Entries 82
Mean 15.03
Std Dev 31.87
pull1D
Entries 82
Mean 0.009991
Std Dev 0.3506



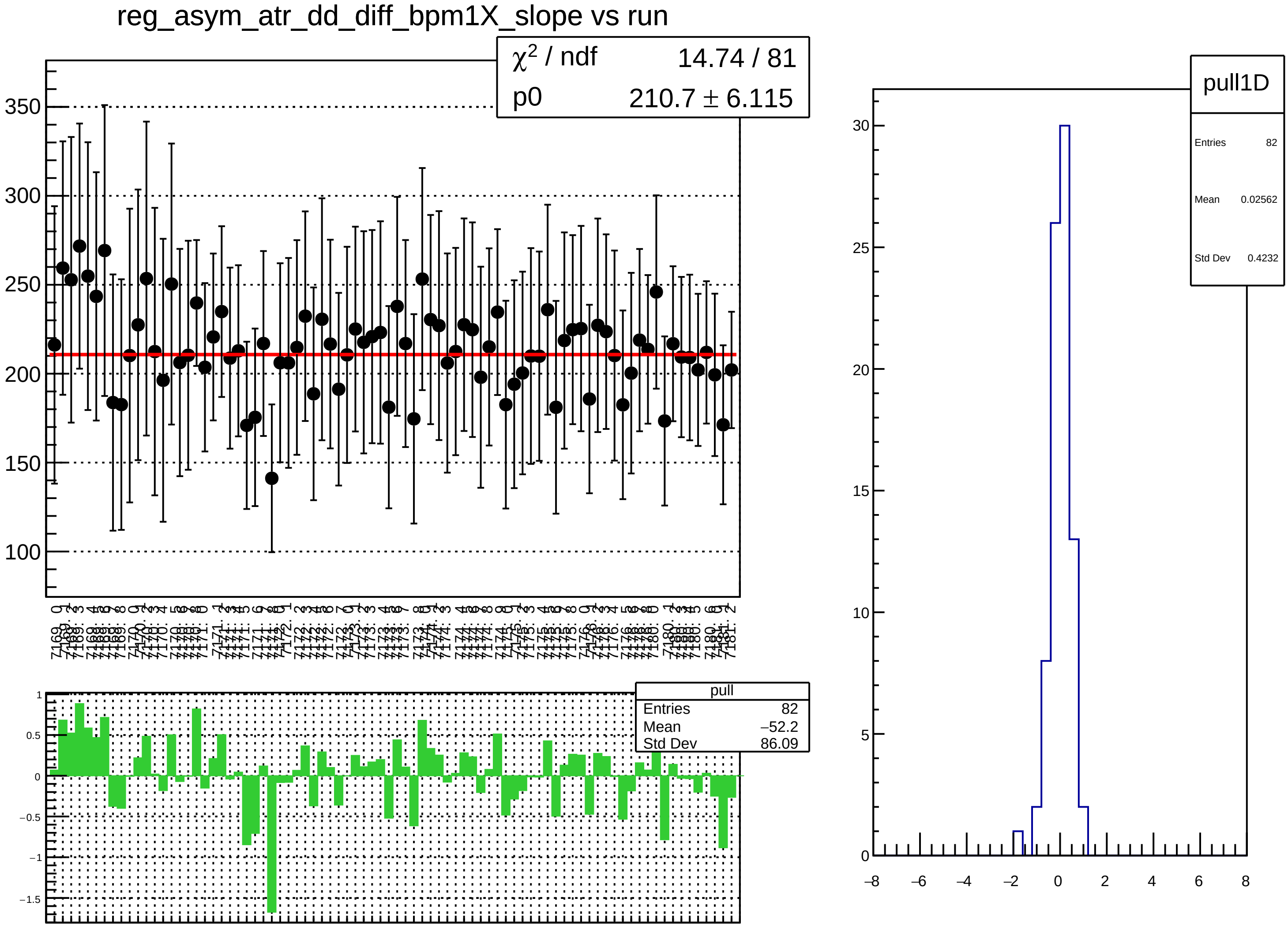
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.28 / 81
p0 278.6 ± 6.725
pull
Entries 82
Mean −58.26
Std Dev 96.84
pull1D
Entries 82
Mean 0.02694
Std Dev 0.386

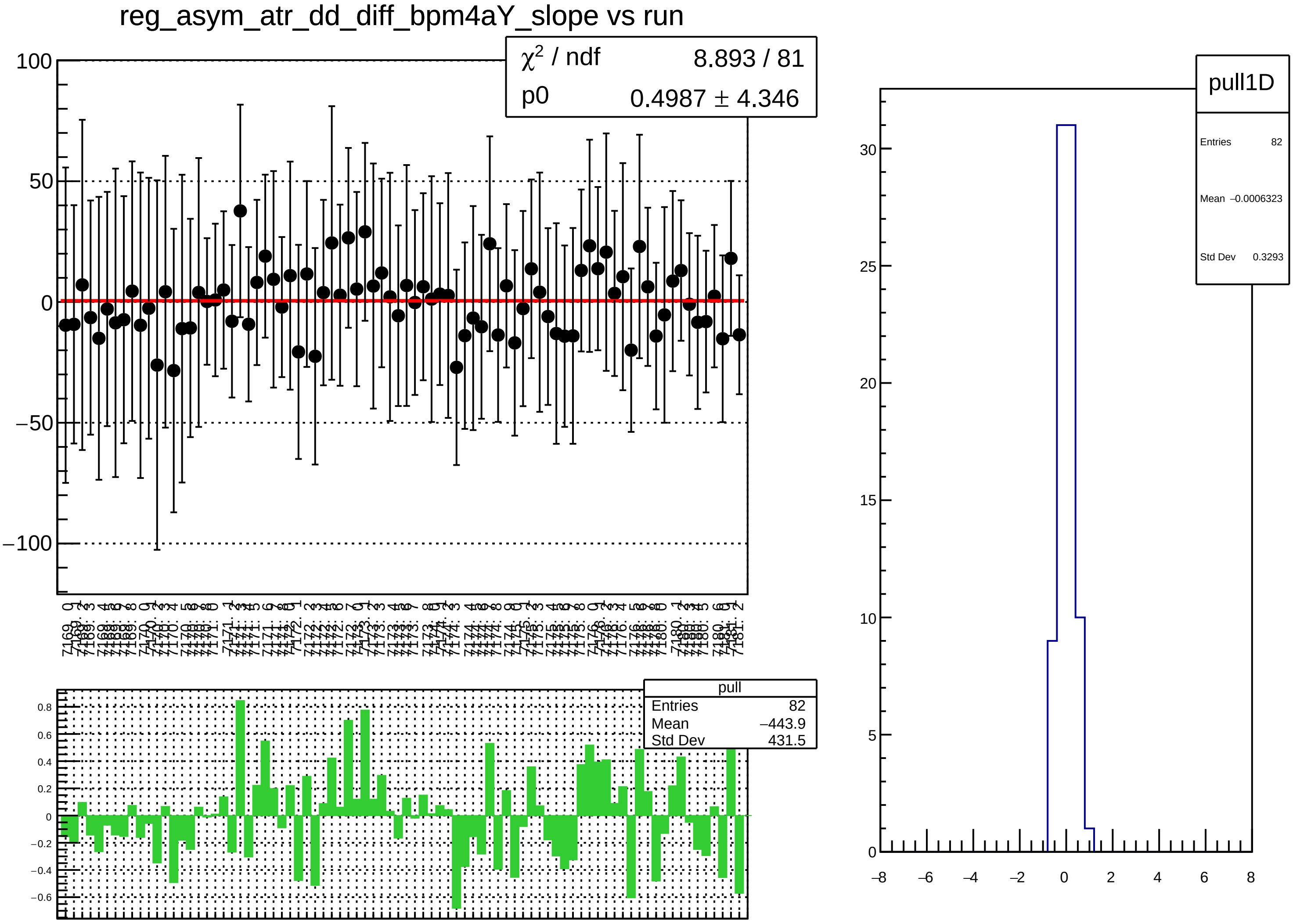


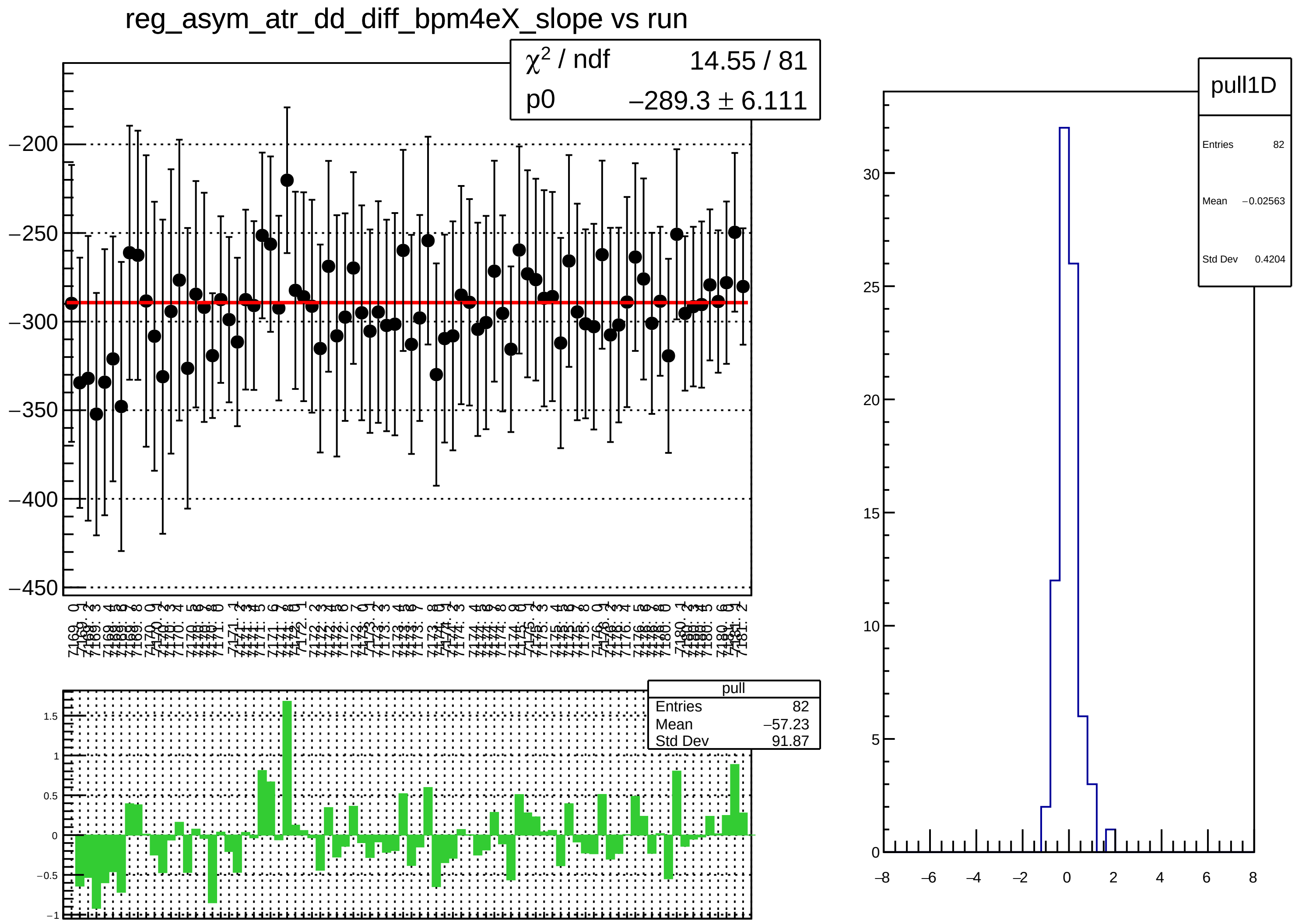
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.34 / 81
p0 61.27 ± 5.341
pull
Entries 82
Mean 73.89
Std Dev 50.21
pull1D
Entries 82
Mean −0.006074
Std Dev 0.355



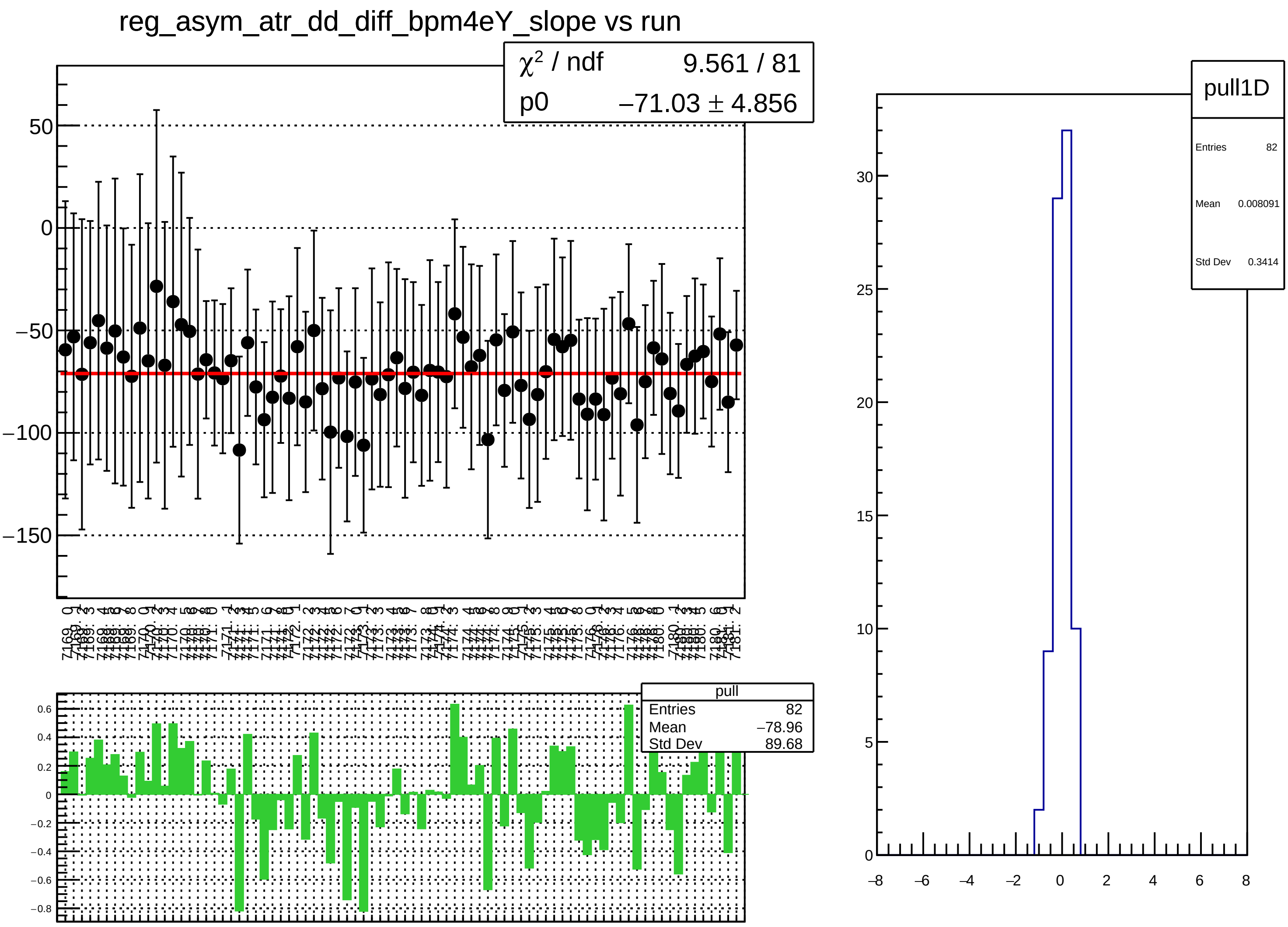
reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 21.41 / 81
p0 −139.7 ± 0.2517
pull
Entries 82
Mean −12.59
Std Dev 77.65
pull1D
Entries 82
Mean −0.01707
Std Dev 0.5107

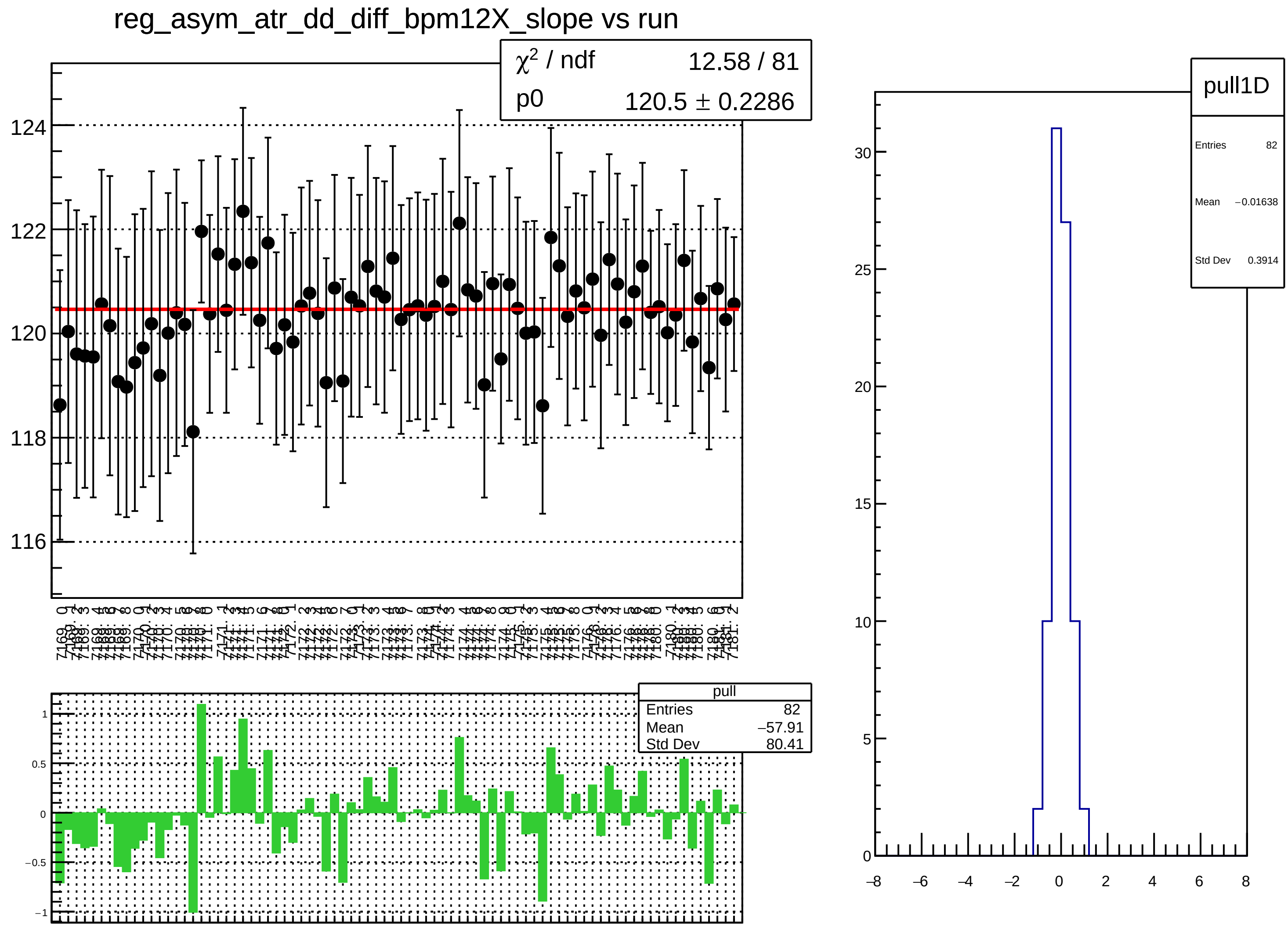

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 14.74 / 81
p0 210.7 ± 6.115
pull
Entries 82
Mean −52.2
Std Dev 86.09
pull1D
Entries 82
Mean 0.02562
Std Dev 0.4232


reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.893 / 81
p0 0.4987 ± 4.346
pull
Entries 82
Mean −443.9
Std Dev 431.5
pull1D
Entries 82
Mean −0.0006323
Std Dev 0.3293

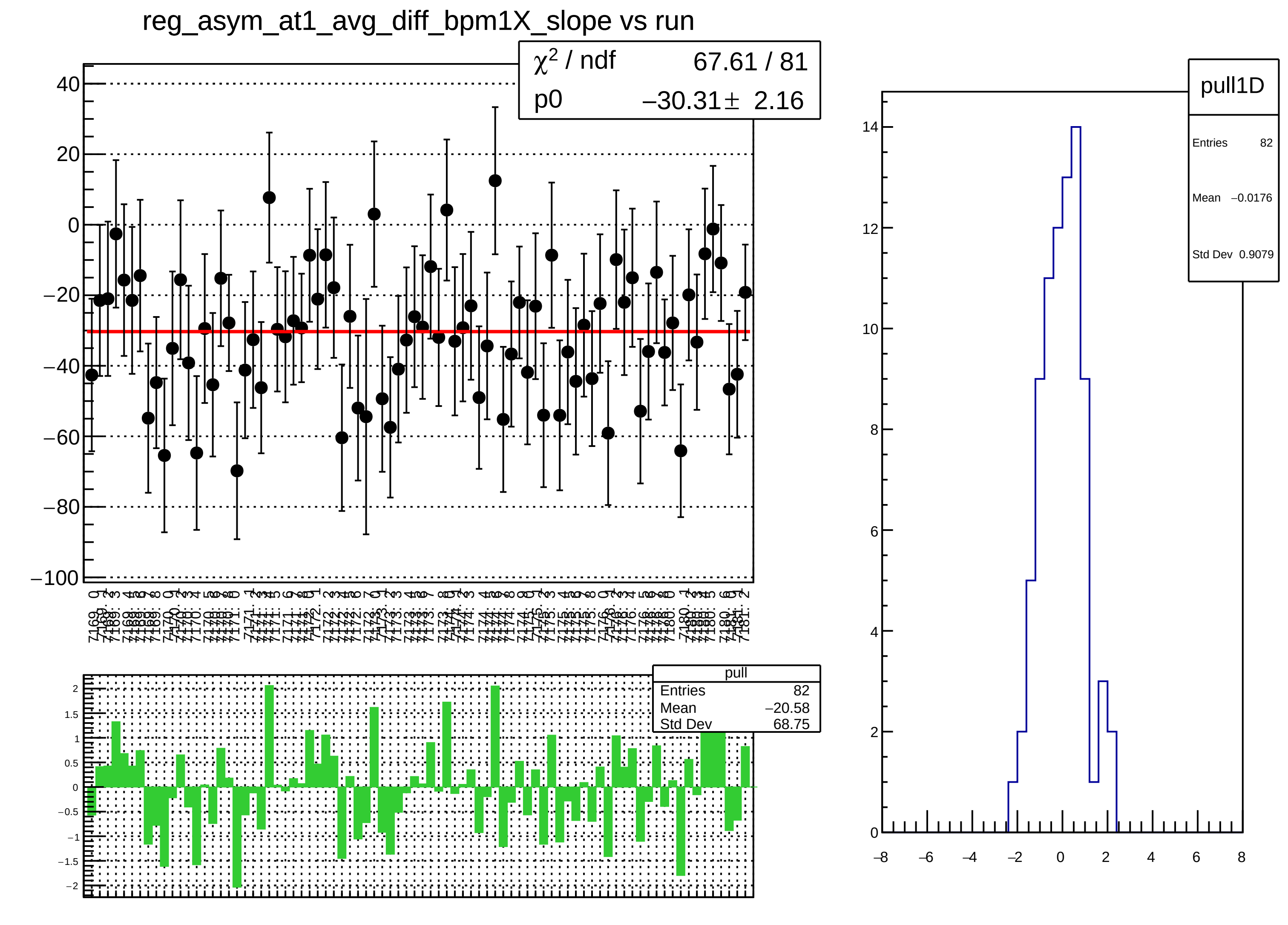


reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.55 / 81
p0 −289.3 ± 6.111
pull
Entries 82
Mean −57.23
Std Dev 91.87
pull1D
Entries 82
Mean −0.02563
Std Dev 0.4204

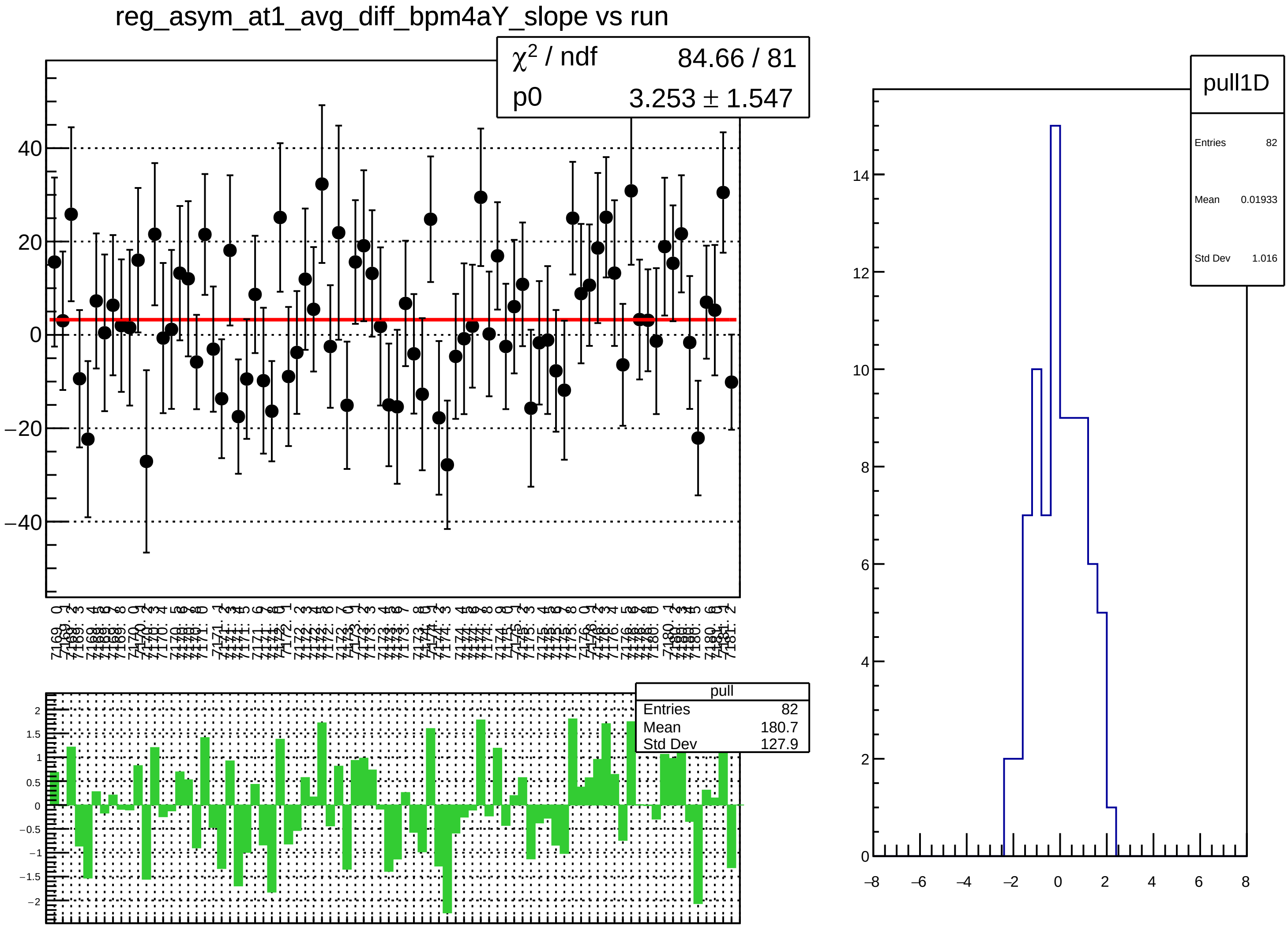

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.561 / 81
p0 −71.03 ± 4.856
pull
Entries 82
Mean −78.96
Std Dev 89.68
pull1D
Entries 82
Mean 0.008091
Std Dev 0.3414



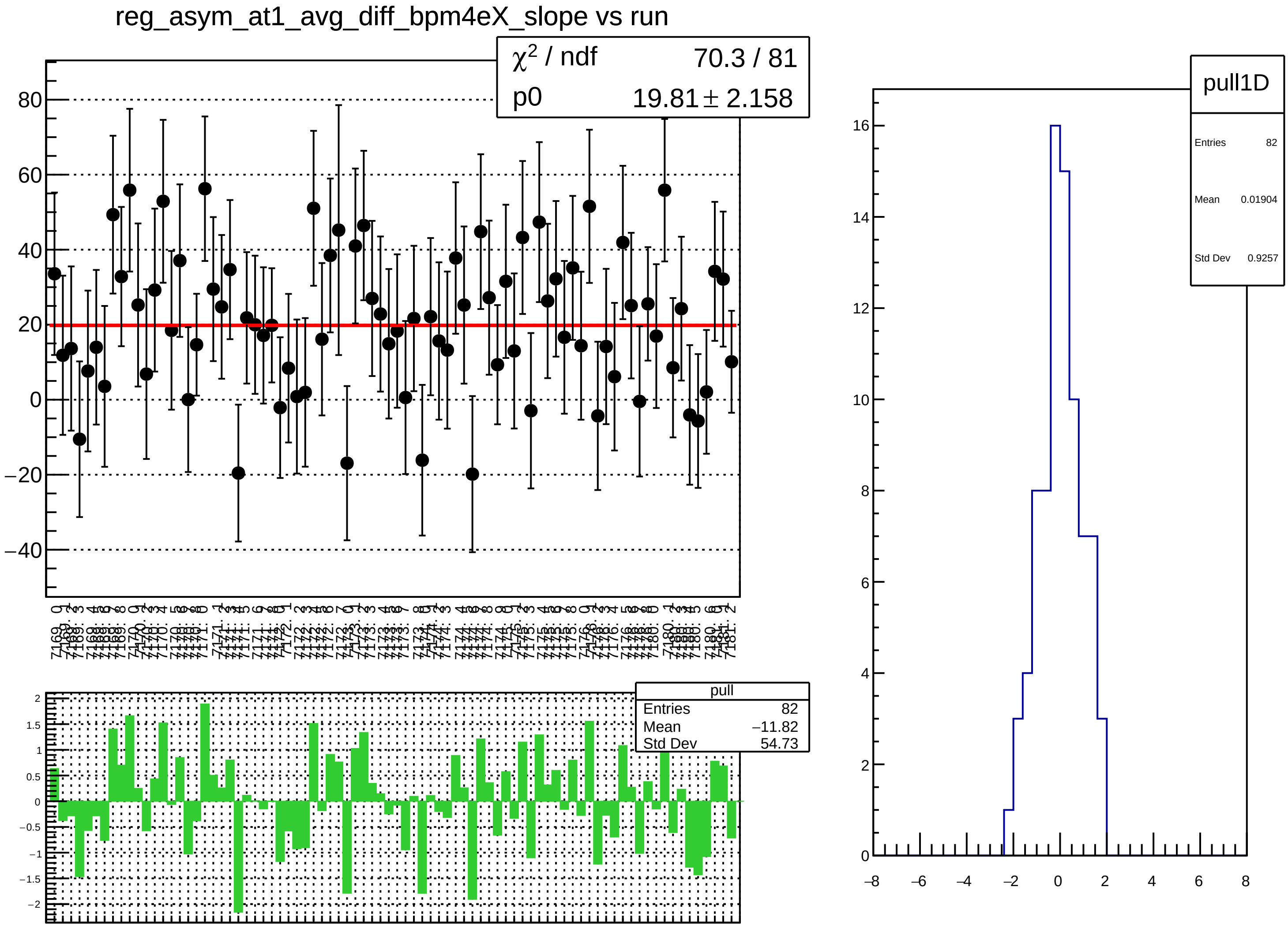
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.58 / 81
p0 120.5 ± 0.2286
pull
Entries 82
Mean −57.91
Std Dev 80.41
pull1D
Entries 82
Mean −0.01638
Std Dev 0.3914



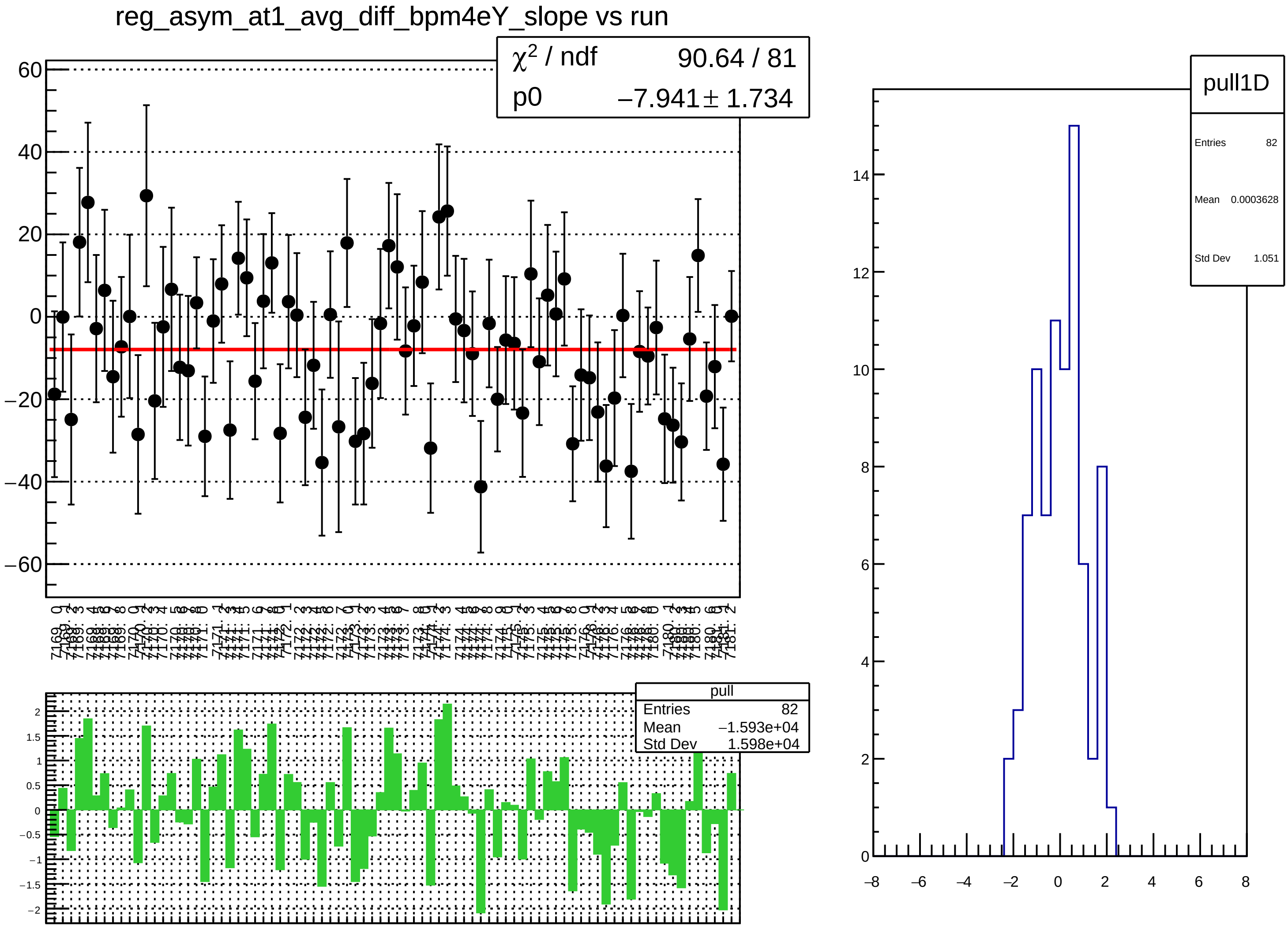
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 67.61 / 81
p0 −30.31 ± 2.16
pull
Entries 82
Mean −20.58
Std Dev 68.75
pull1D
Entries 82
Mean −0.0176
Std Dev 0.9079



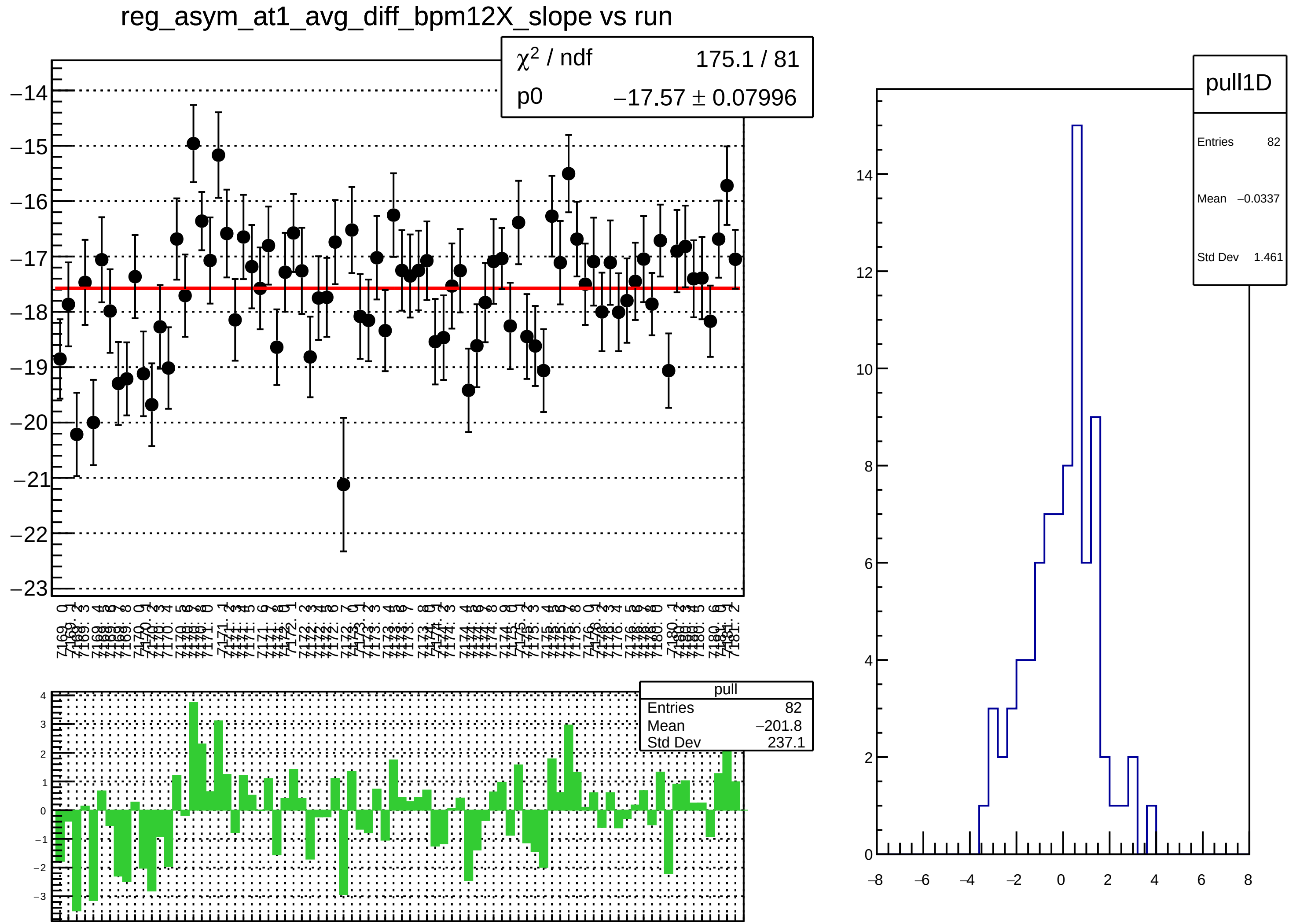
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 84.66 / 81
p0 3.253 ± 1.547
pull
Entries 82
Mean 180.7
Std Dev 127.9
pull1D
Entries 82
Mean 0.01933
Std Dev 1.016



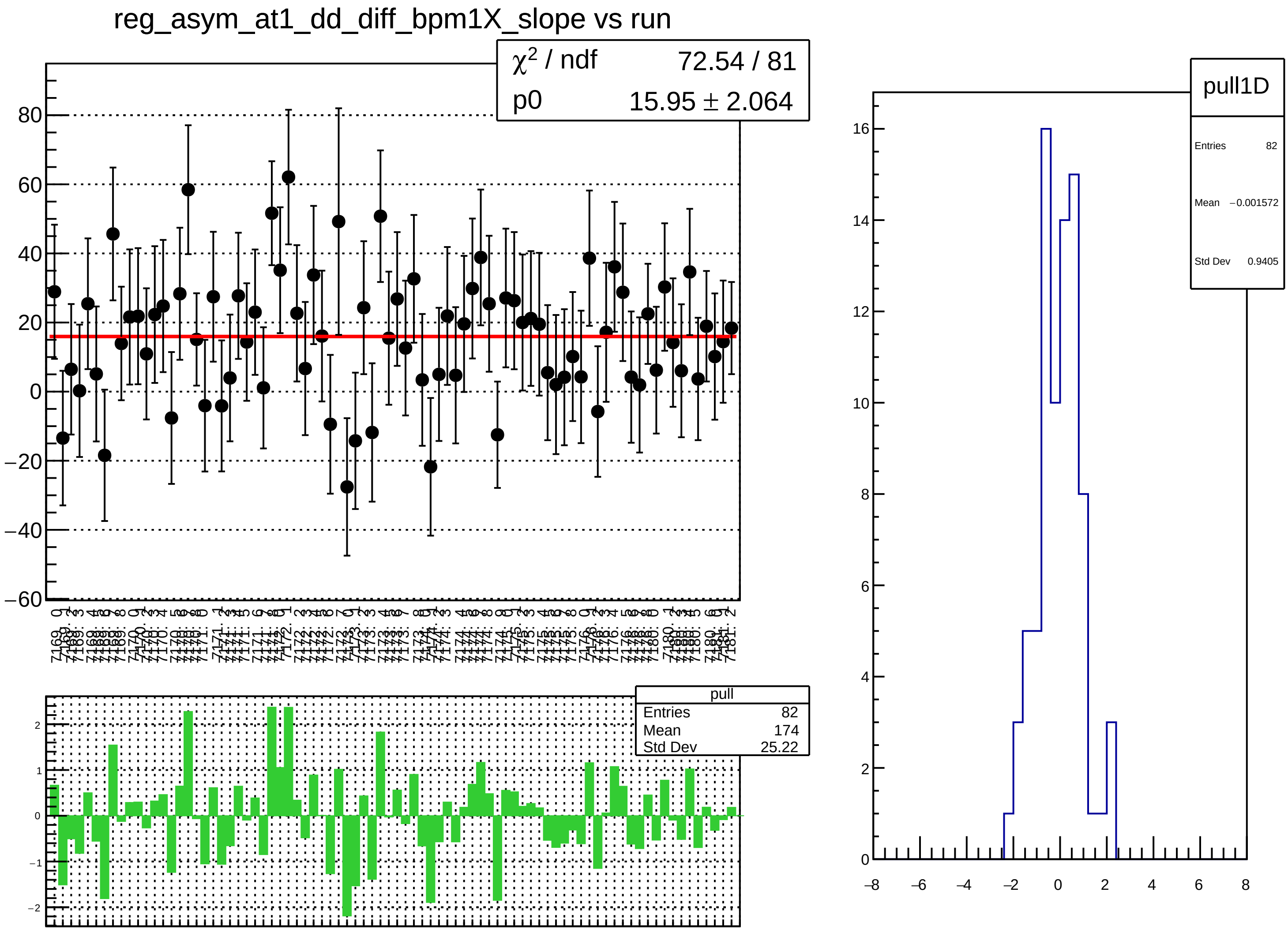
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ2 / ndf 70.3 / 81
p0 19.81 ± 2.158
pull
Entries 82
Mean −11.82
Std Dev 54.73
pull1D
Entries 82
Mean 0.01904
Std Dev 0.9257

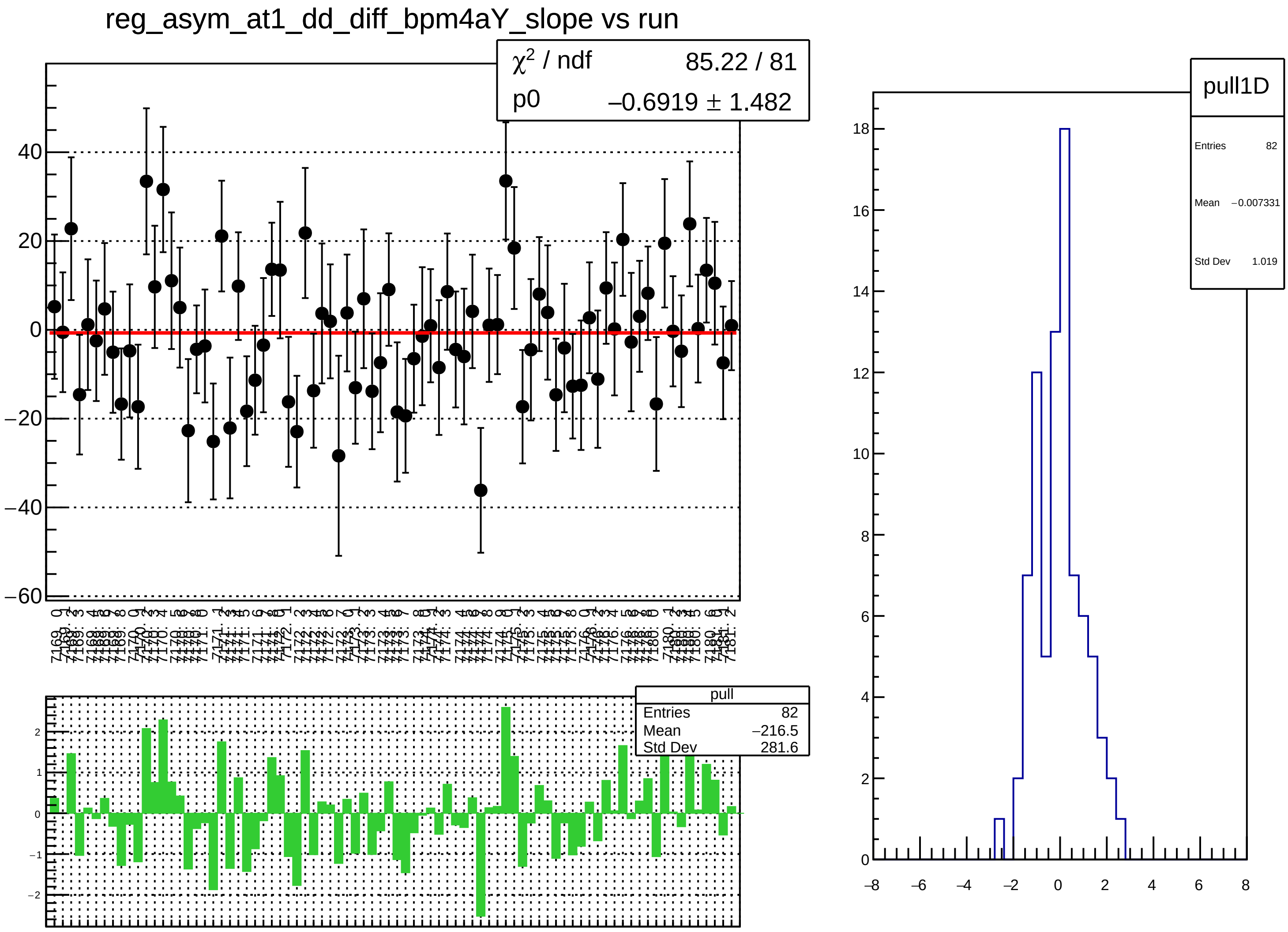


reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ2 / ndf 90.64 / 81
p0 −7.941 ± 1.734
pull
Entries 82
Mean −1.593e+04
Std Dev 1.598e+04
pull1D
Entries 82
Mean 0.0003628
Std Dev 1.051

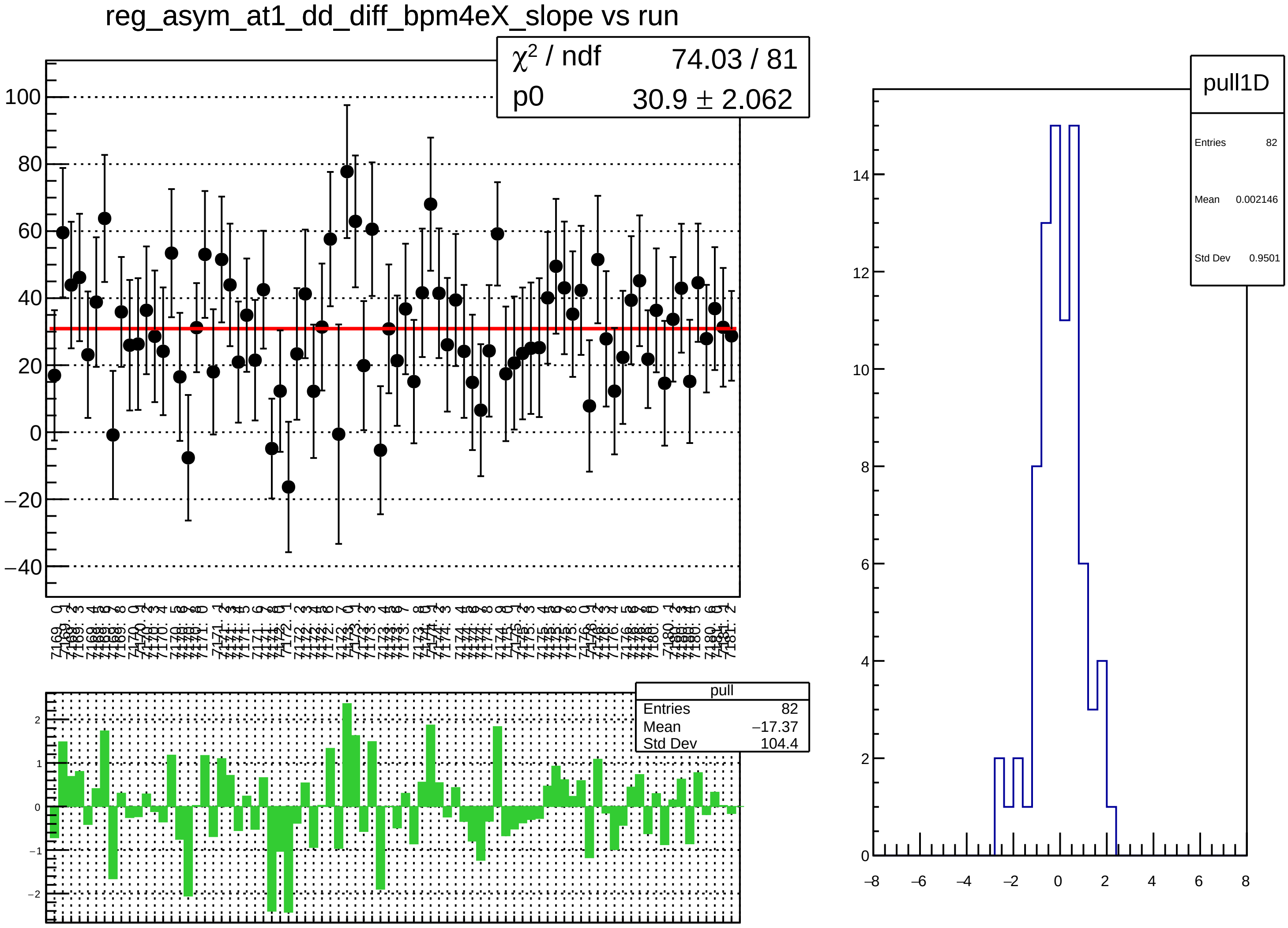


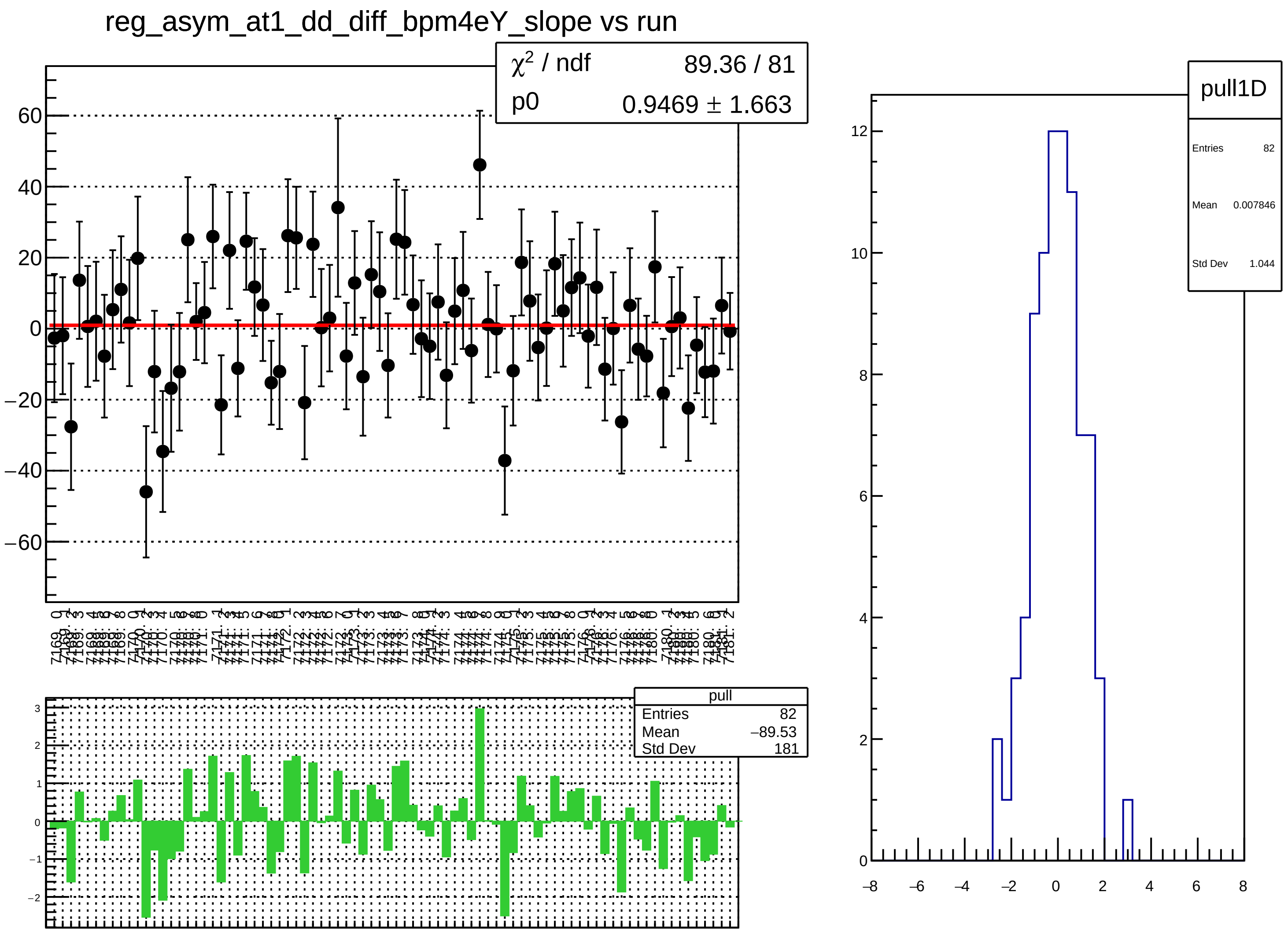
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ2 / ndf 175.1 / 81
p0 −17.57 ± 0.07996
pull
Entries 82
Mean −201.8
Std Dev 237.1
pull1D
Entries 82
Mean −0.0337
Std Dev 1.461


reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 72.54 / 81
p0 15.95 ± 2.064
pull
Entries 82
Mean 174
Std Dev 25.22
pull1D
Entries 82
Mean −0.001572
Std Dev 0.9405

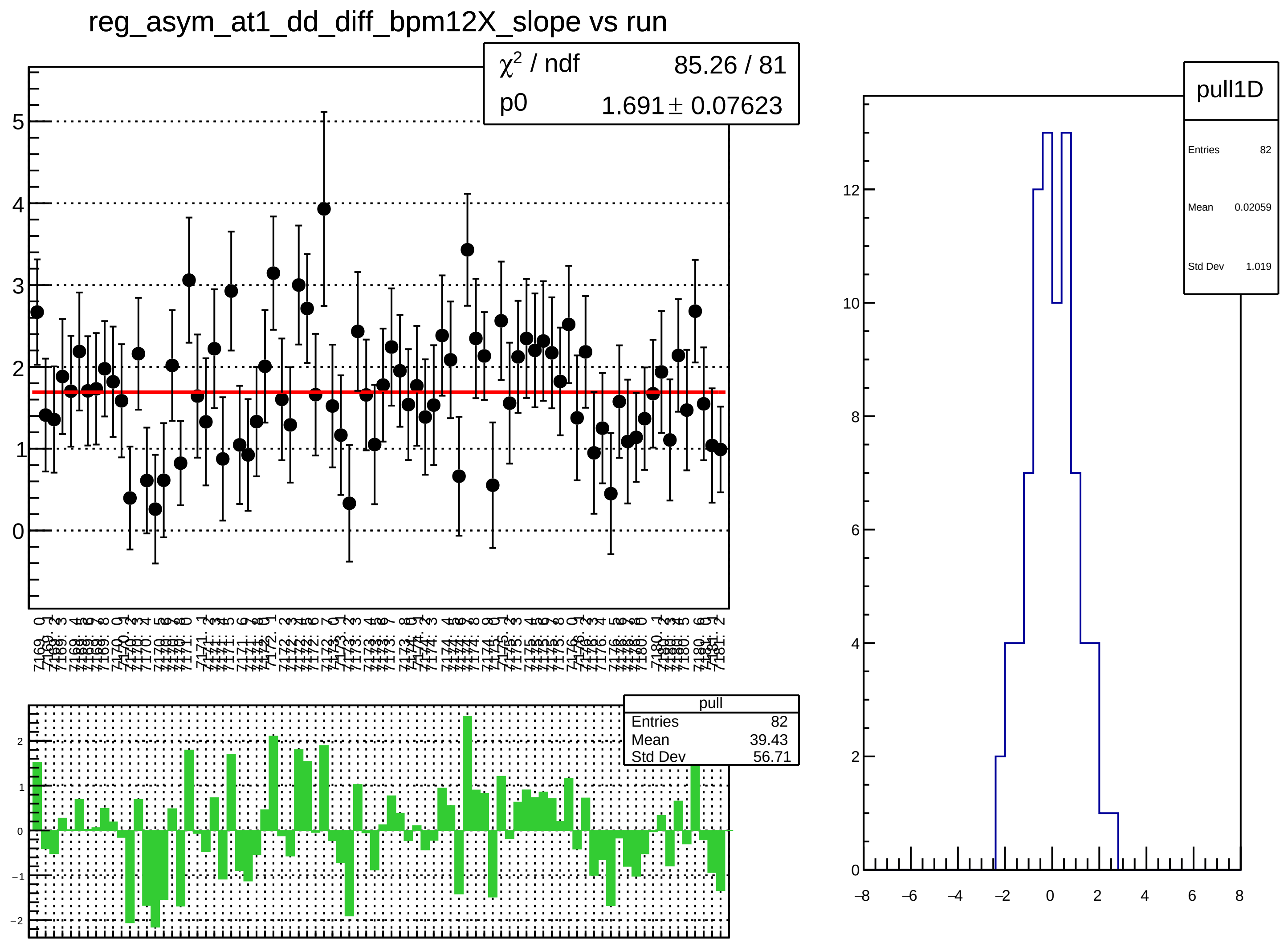


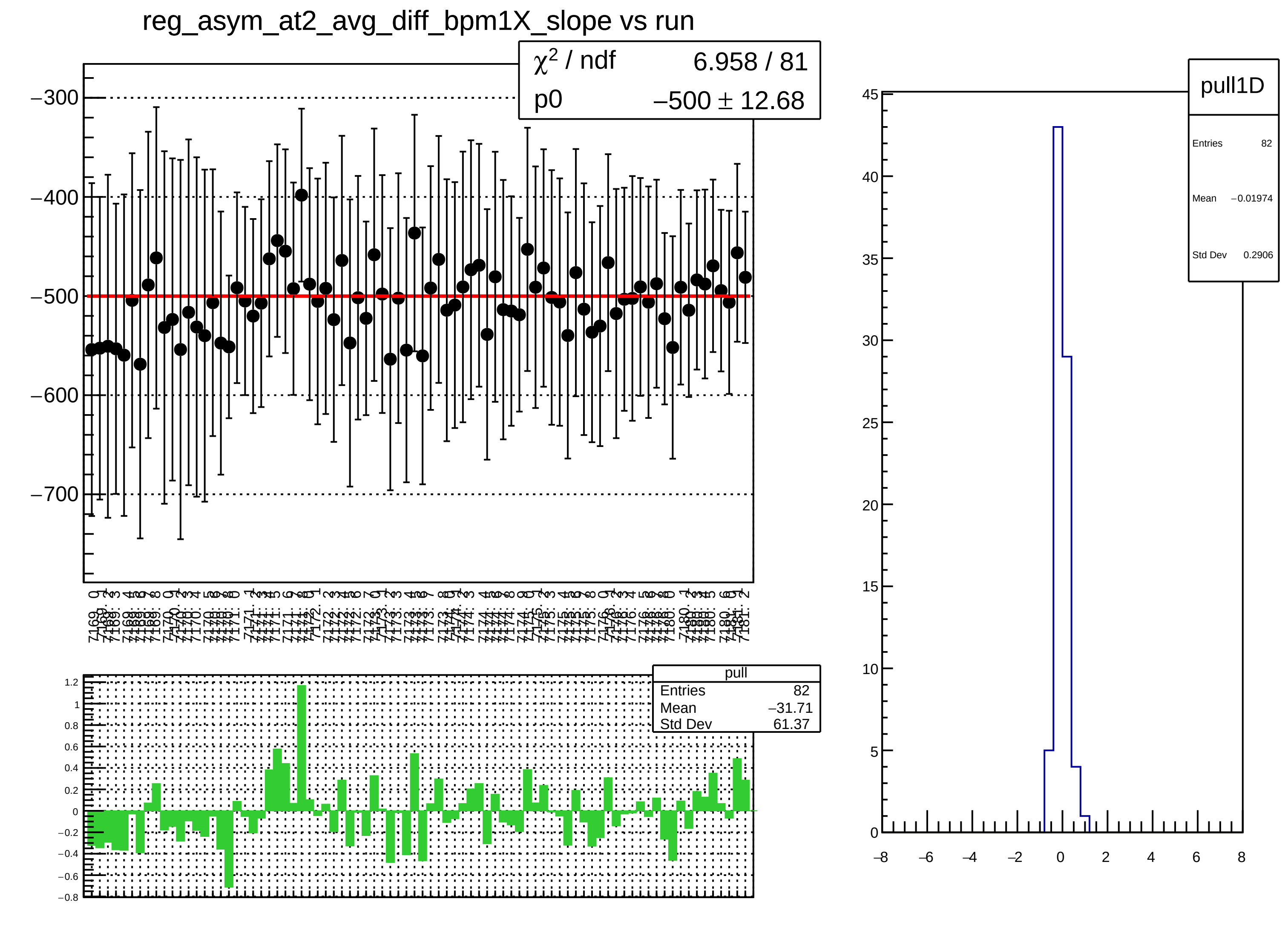
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 85.22 / 81
p0 −0.6919 ± 1.482
pull
Entries 82
Mean −216.5
Std Dev 281.6
pull1D
Entries 82
Mean −0.007331
Std Dev 1.019


reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 74.03 / 81
p0 30.9 ± 2.062
100
80
60
40
20
0
−20
−40
pull
Entries 82
Mean −17.37
Std Dev 104.4
pull1D
Entries 82
Mean 0.002146
Std Dev 0.9501
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

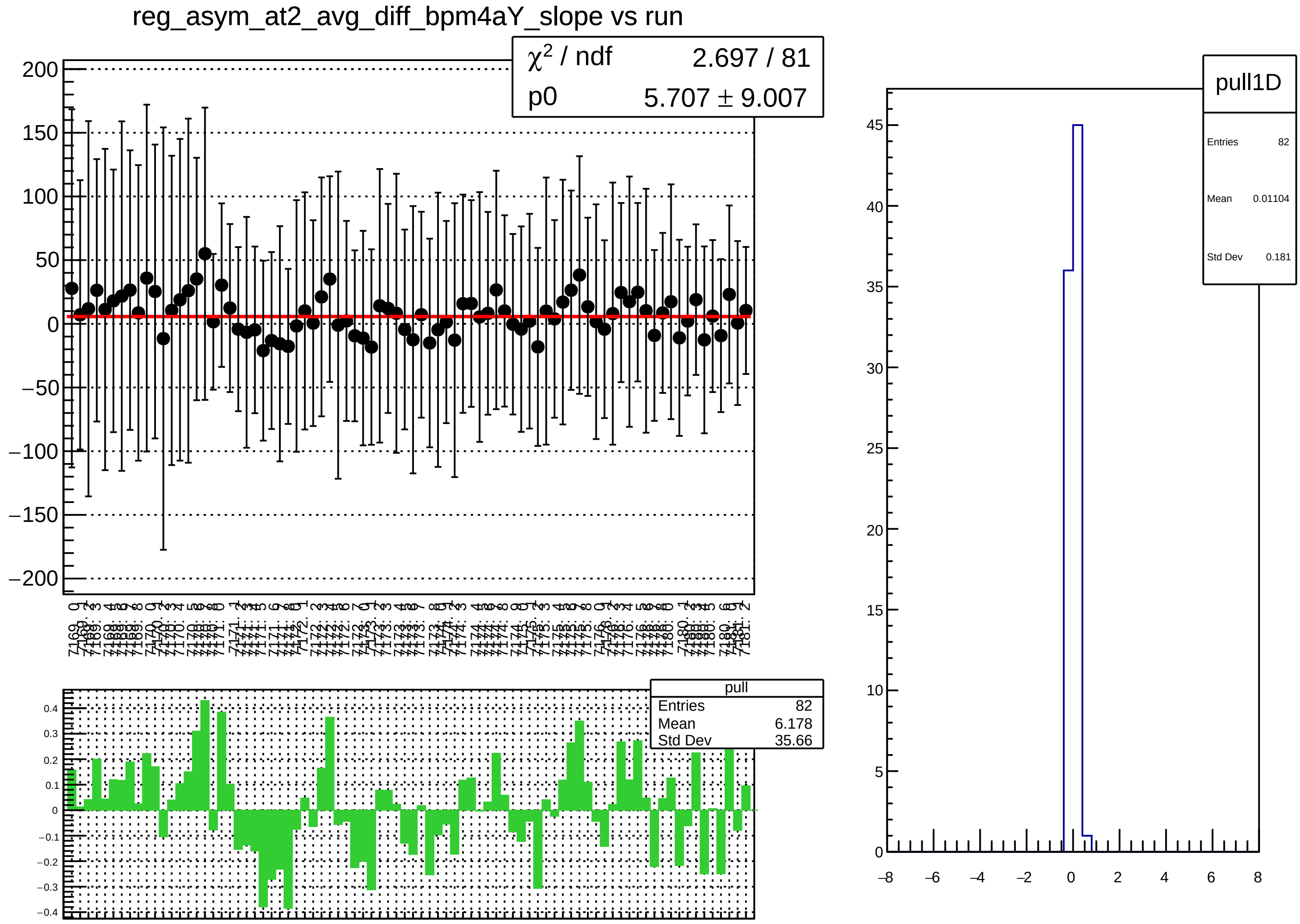


reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 89.36 / 81
p0 0.9469 ± 1.663
pull
Entries 82
Mean −89.53
Std Dev 181
pull1D
Entries 82
Mean 0.007846
Std Dev 1.044

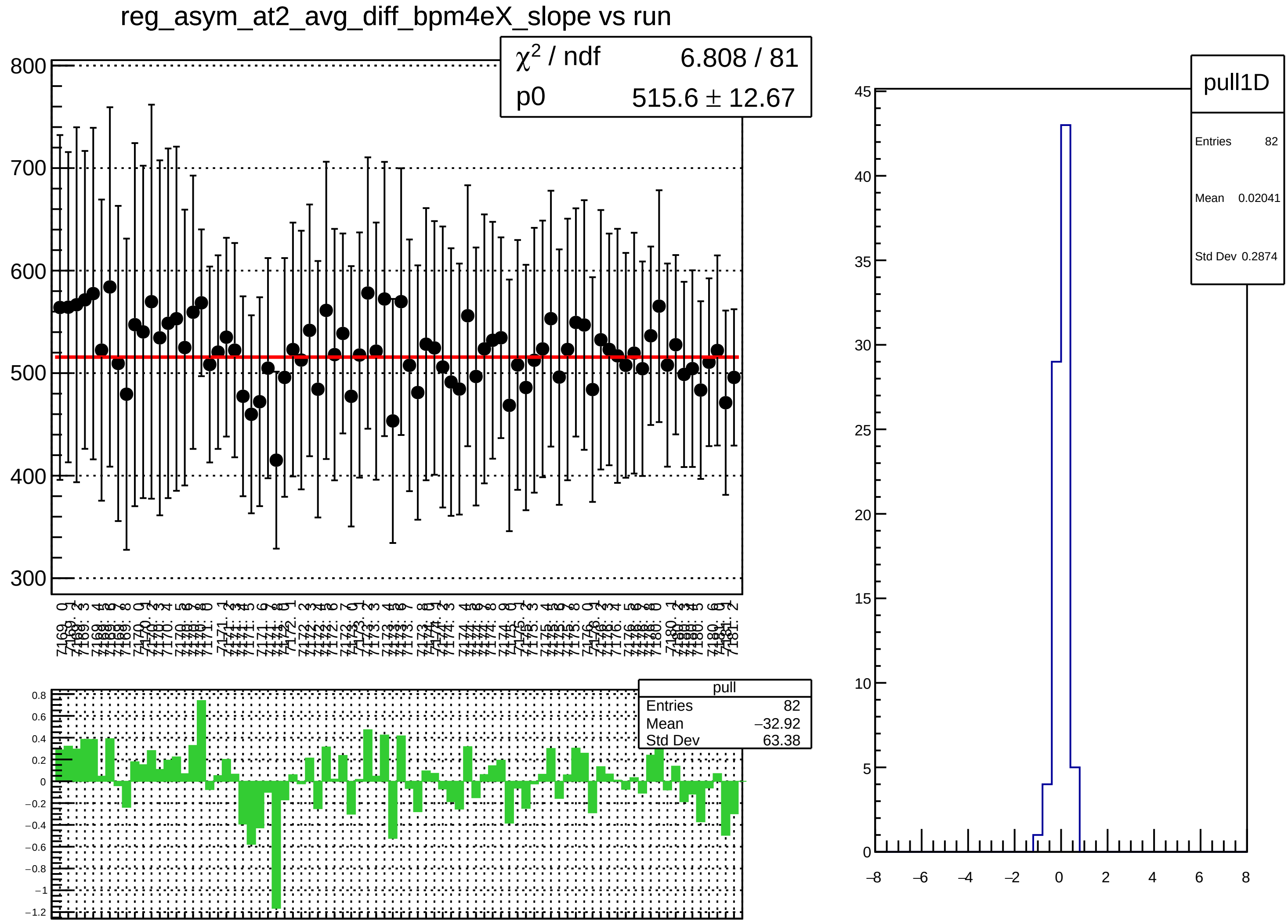

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 85.26 / 81
p0 1.691 ± 0.07623
pull
Entries 82
Mean 39.43
Std Dev 56.71
pull1D
Entries 82
Mean 0.02059
Std Dev 1.019



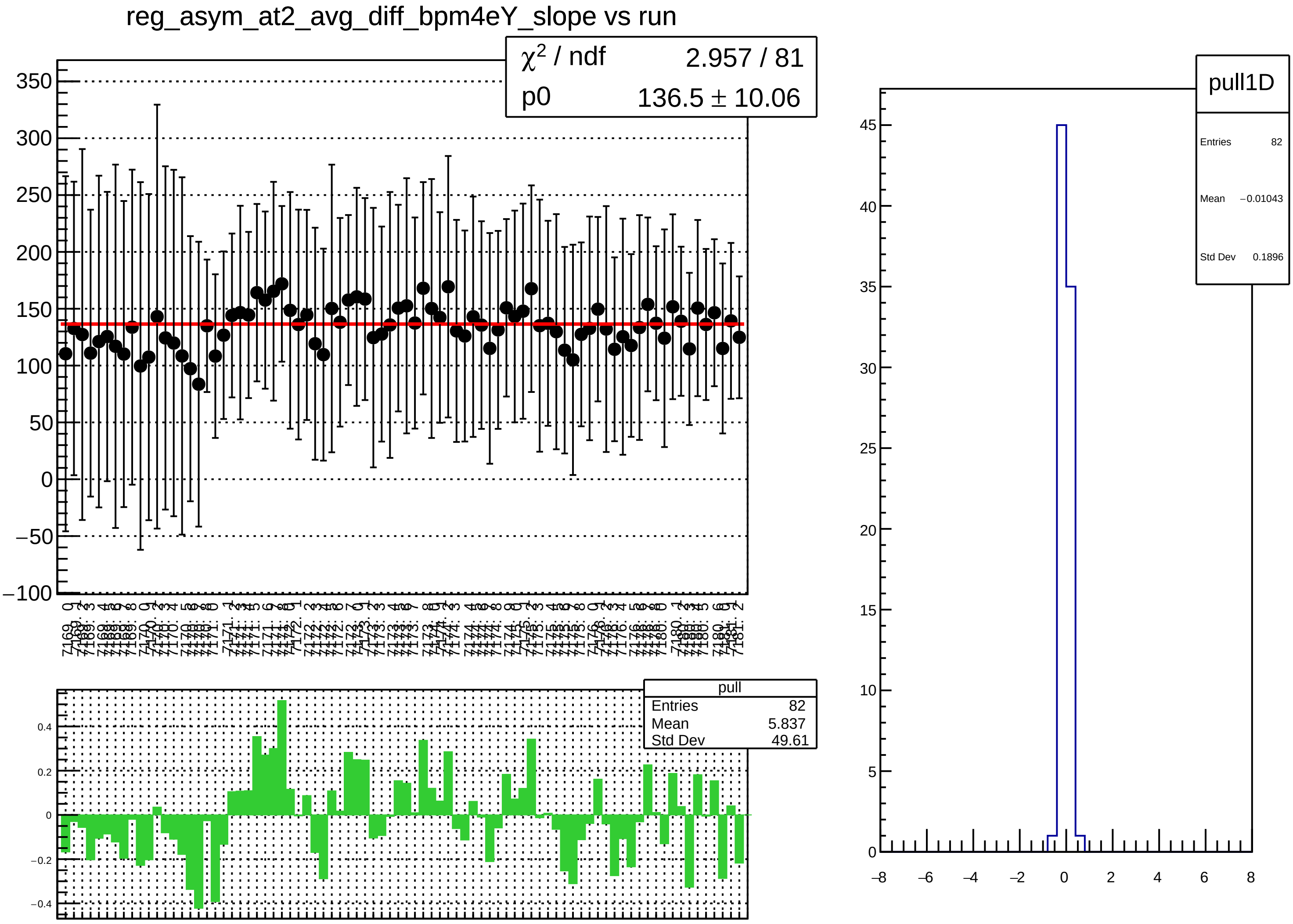
reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.958 / 81
p0 −500 ± 12.68
pull
Entries 82
Mean −31.71
Std Dev 61.37
pull1D
Entries 82
Mean −0.01974
Std Dev 0.2906



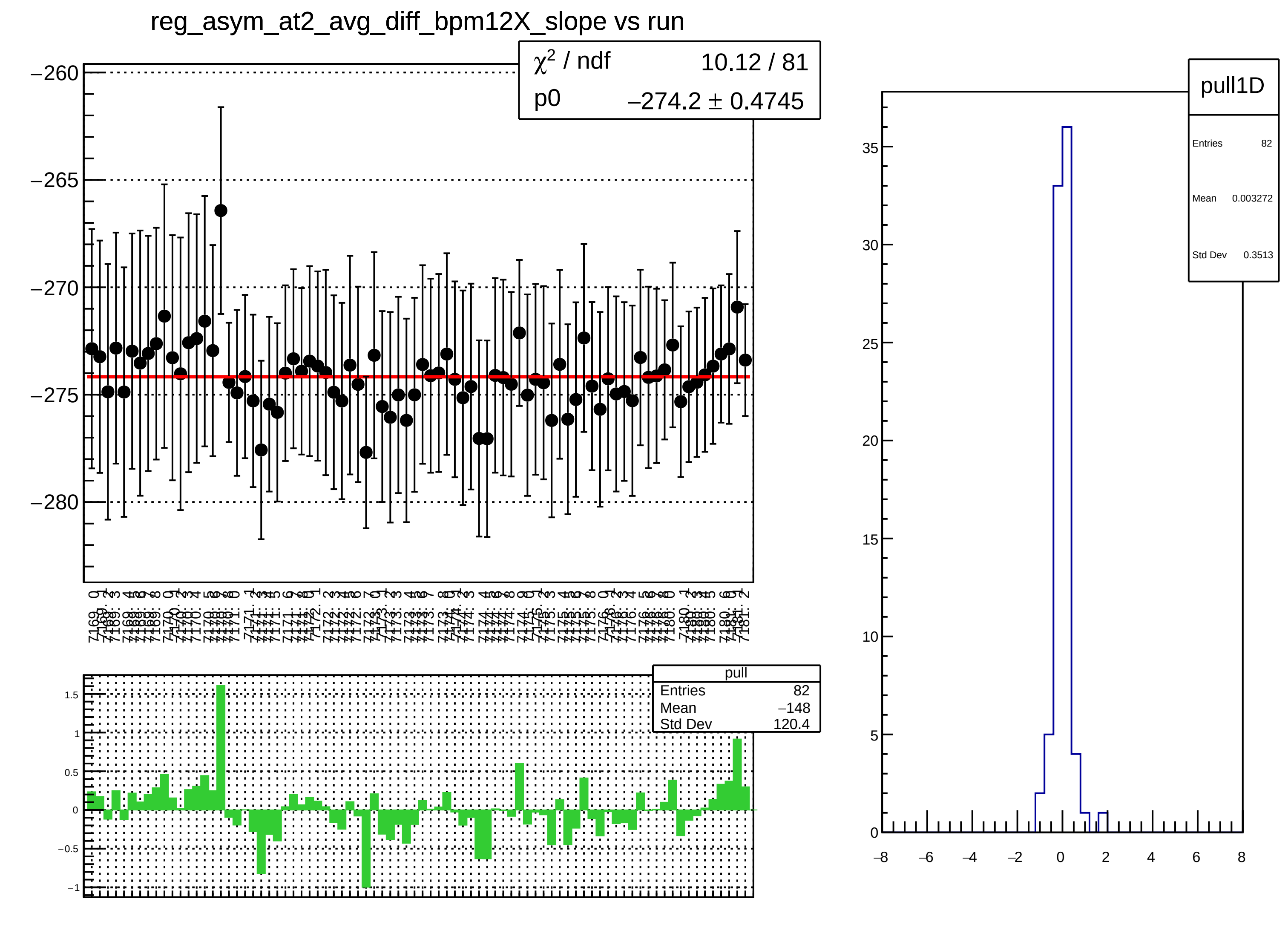
reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.697 / 81
p0 5.707 ± 9.007
pull
Entries 82
Mean 6.178
Std Dev 35.66
pull1D
Entries 82
Mean 0.01104
Std Dev 0.181



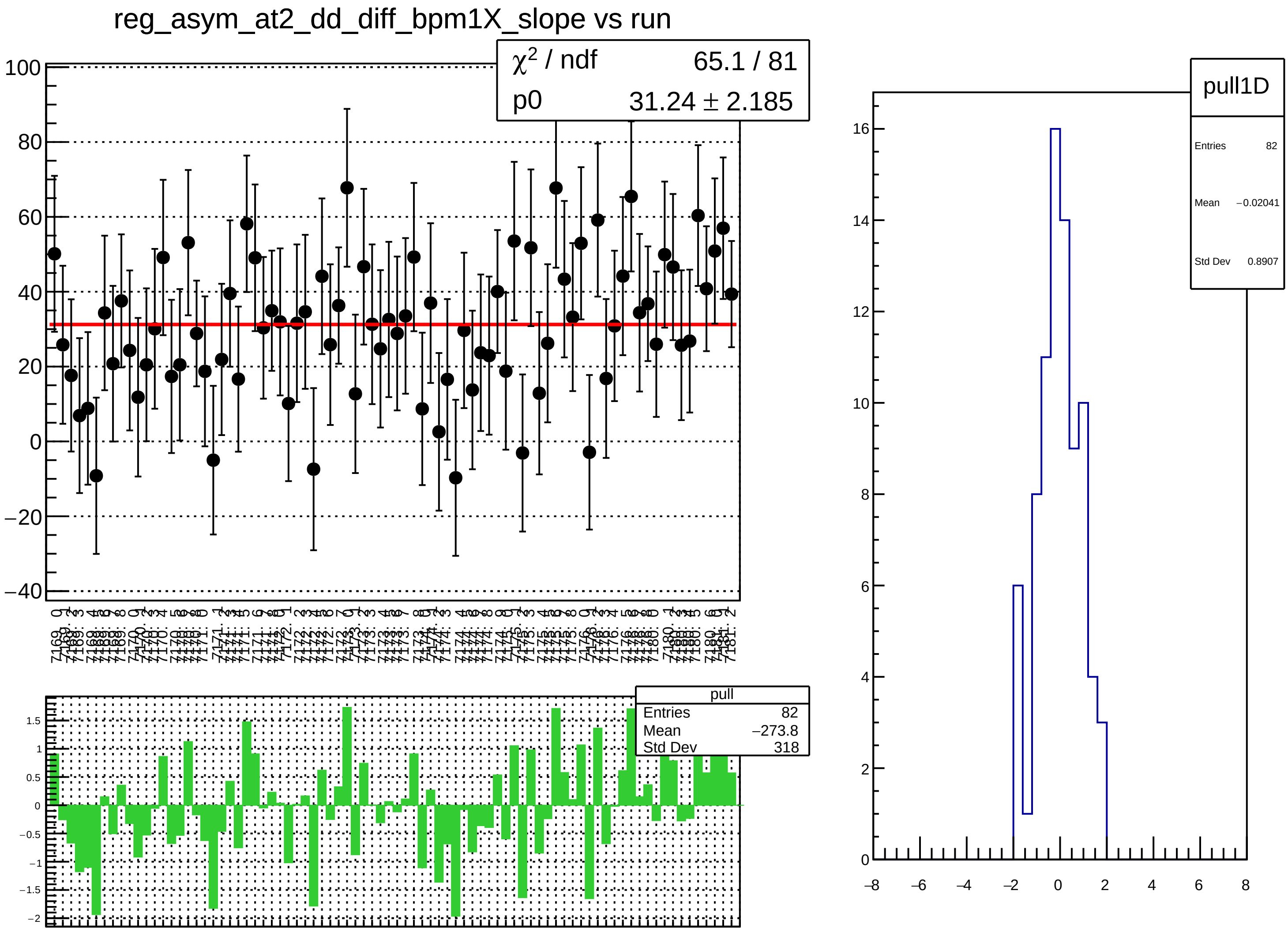
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 6.808 / 81
p0 515.6 ± 12.67
pull
Entries 82
Mean −32.92
Std Dev 63.38
pull1D
Entries 82
Mean 0.02041
Std Dev 0.2874



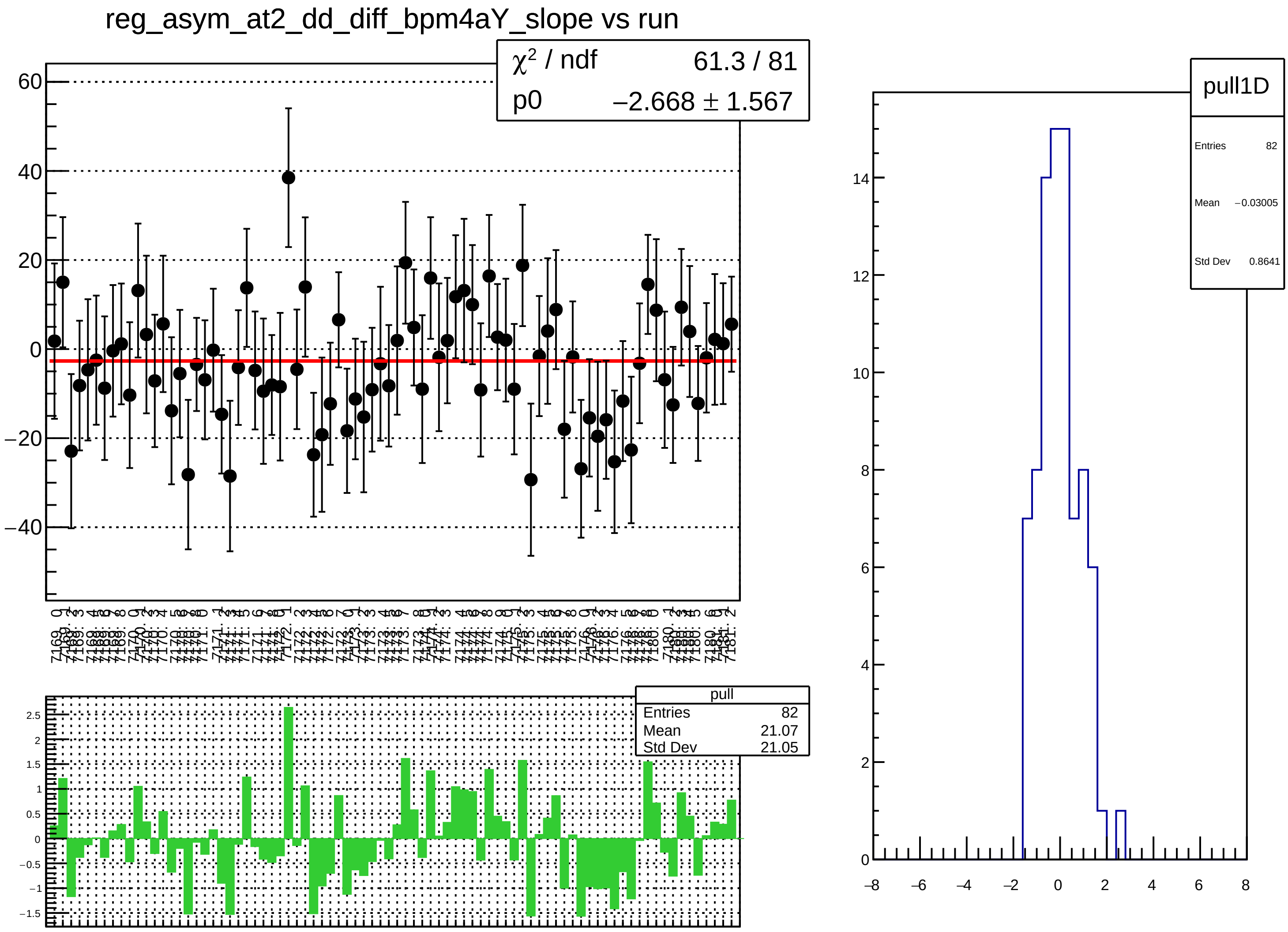
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.957 / 81
p0 136.5 ± 10.06
pull
Entries 82
Mean 5.837
Std Dev 49.61
pull1D
Entries 82
Mean −0.01043
Std Dev 0.1896



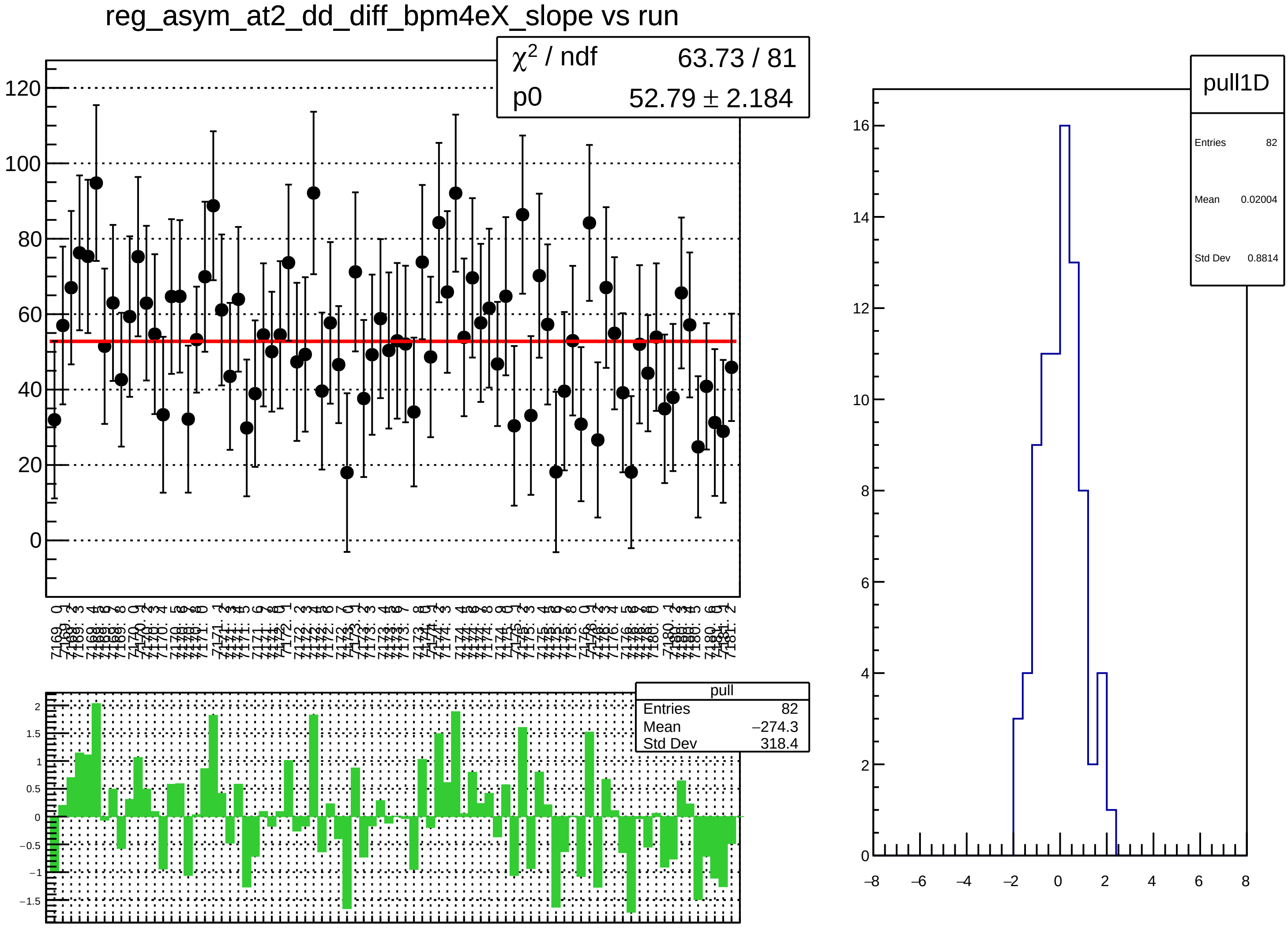
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ2 / ndf 10.12 / 81
p0 −274.2 ± 0.4745
pull
Entries 82
Mean −148
Std Dev 120.4
pull1D
Entries 82
Mean 0.003272
Std Dev 0.3513

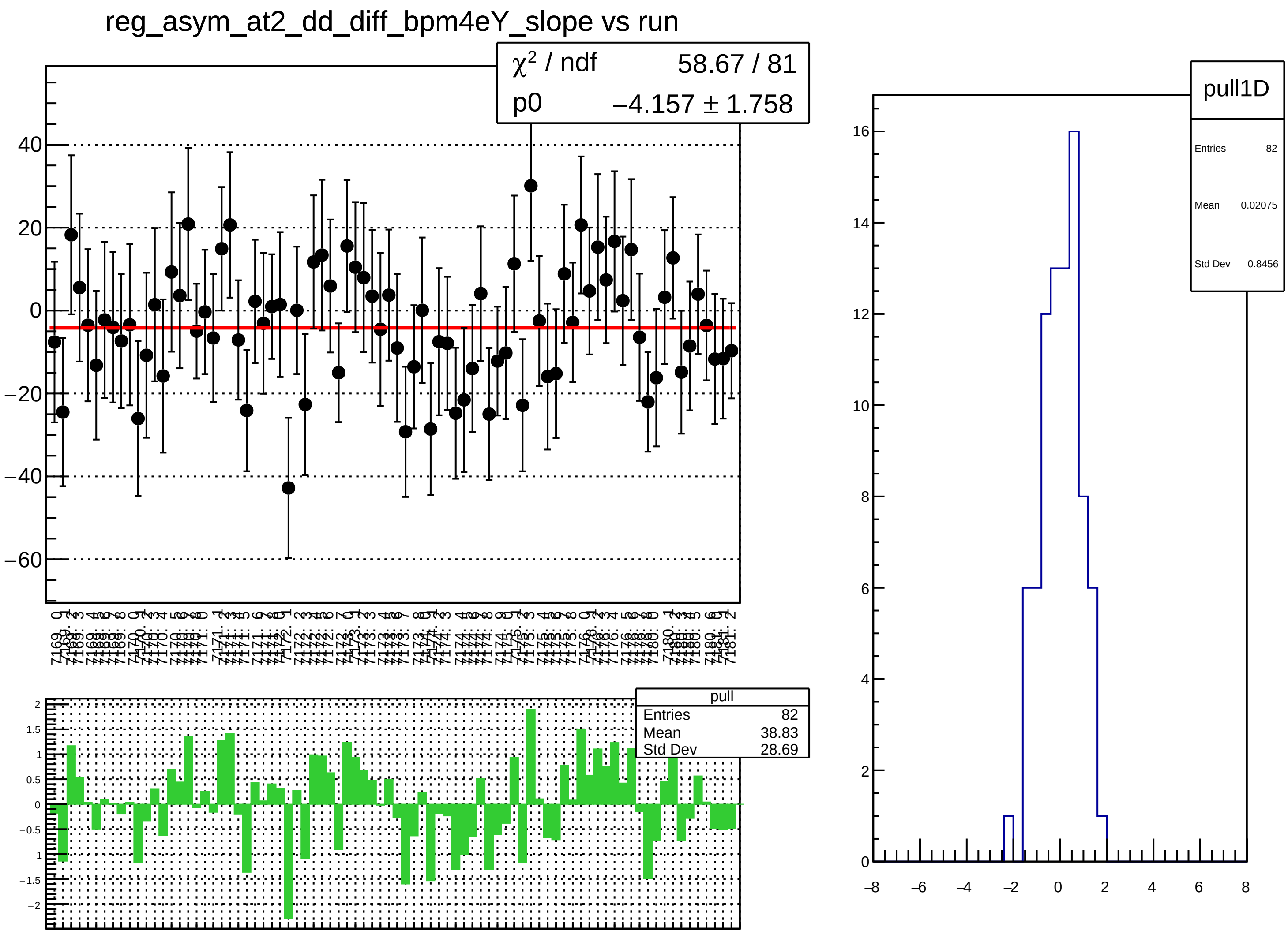


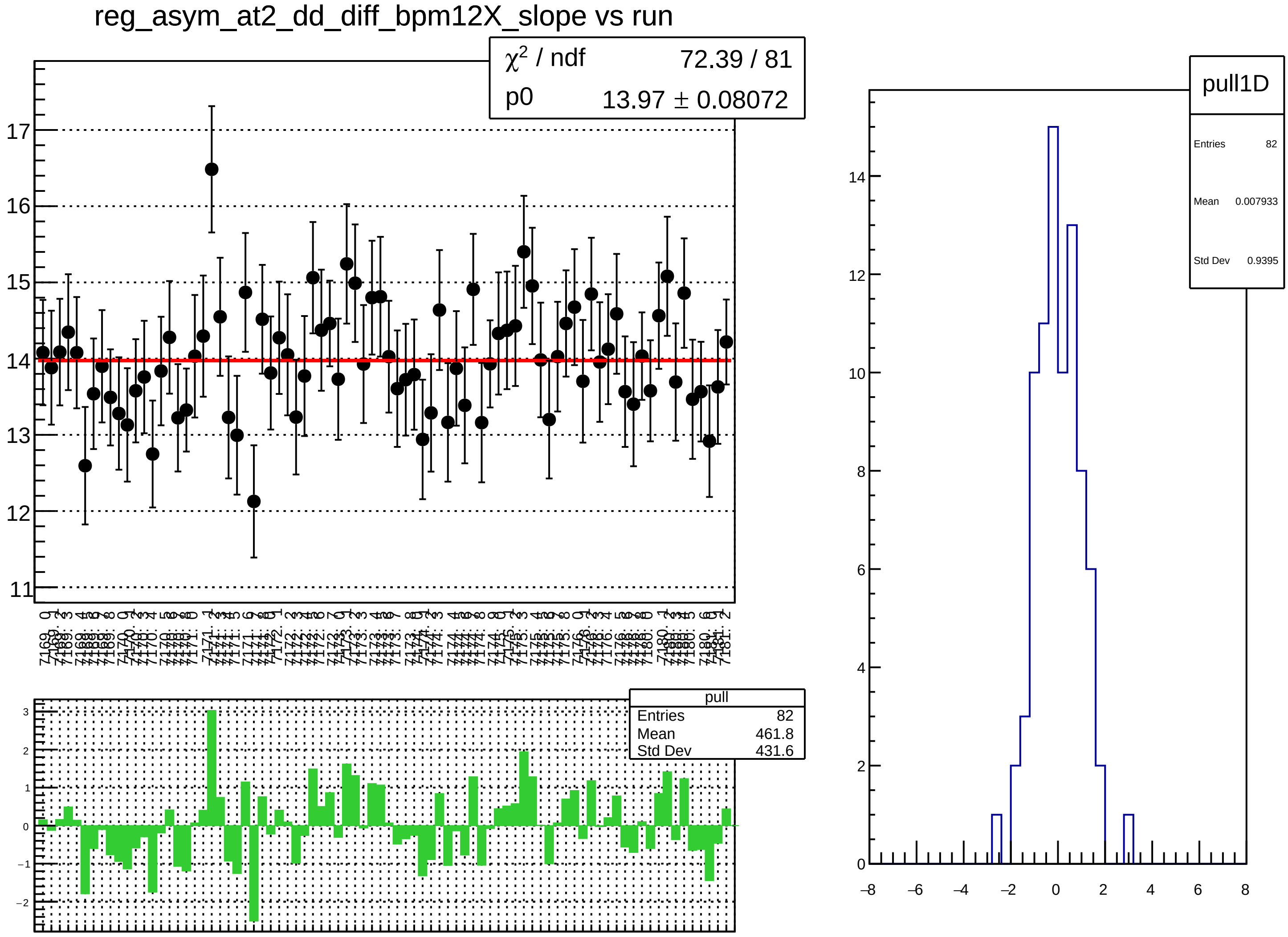
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 65.1 / 81
p0 31.24 ± 2.185
pull
Entries 82
Mean −273.8
Std Dev 318
pull1D
Entries 82
Mean −0.02041
Std Dev 0.8907



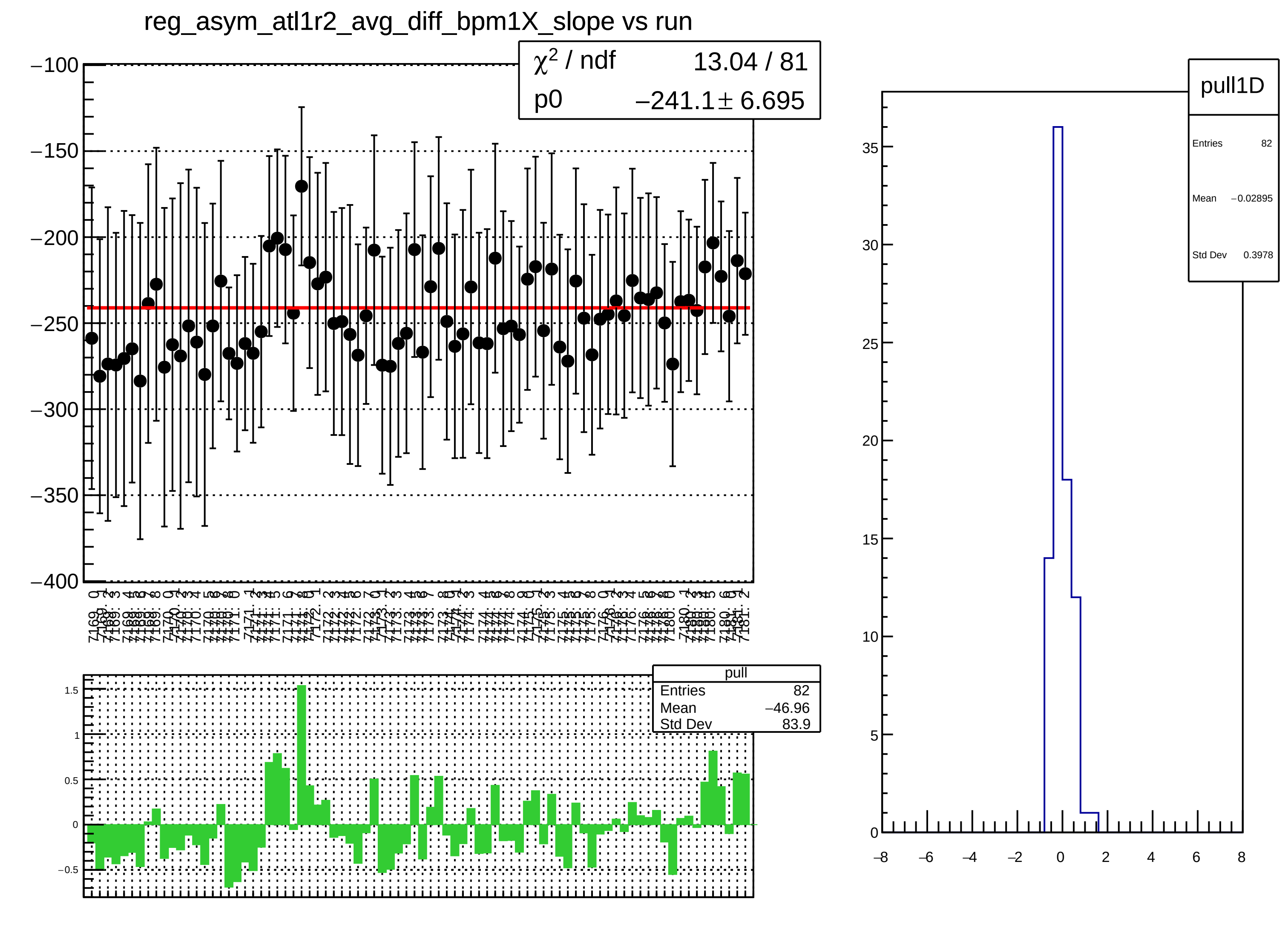
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 61.3 / 81
p0 −2.668 ± 1.567
pull
Entries 82
Mean 21.07
Std Dev 21.05
pull1D
Entries 82
Mean −0.03005
Std Dev 0.8641


reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 63.73 / 81
p0 52.79 ± 2.184
pull
Entries 82
Mean −274.3
Std Dev 318.4
pull1D
Entries 82
Mean 0.02004
Std Dev 0.8814

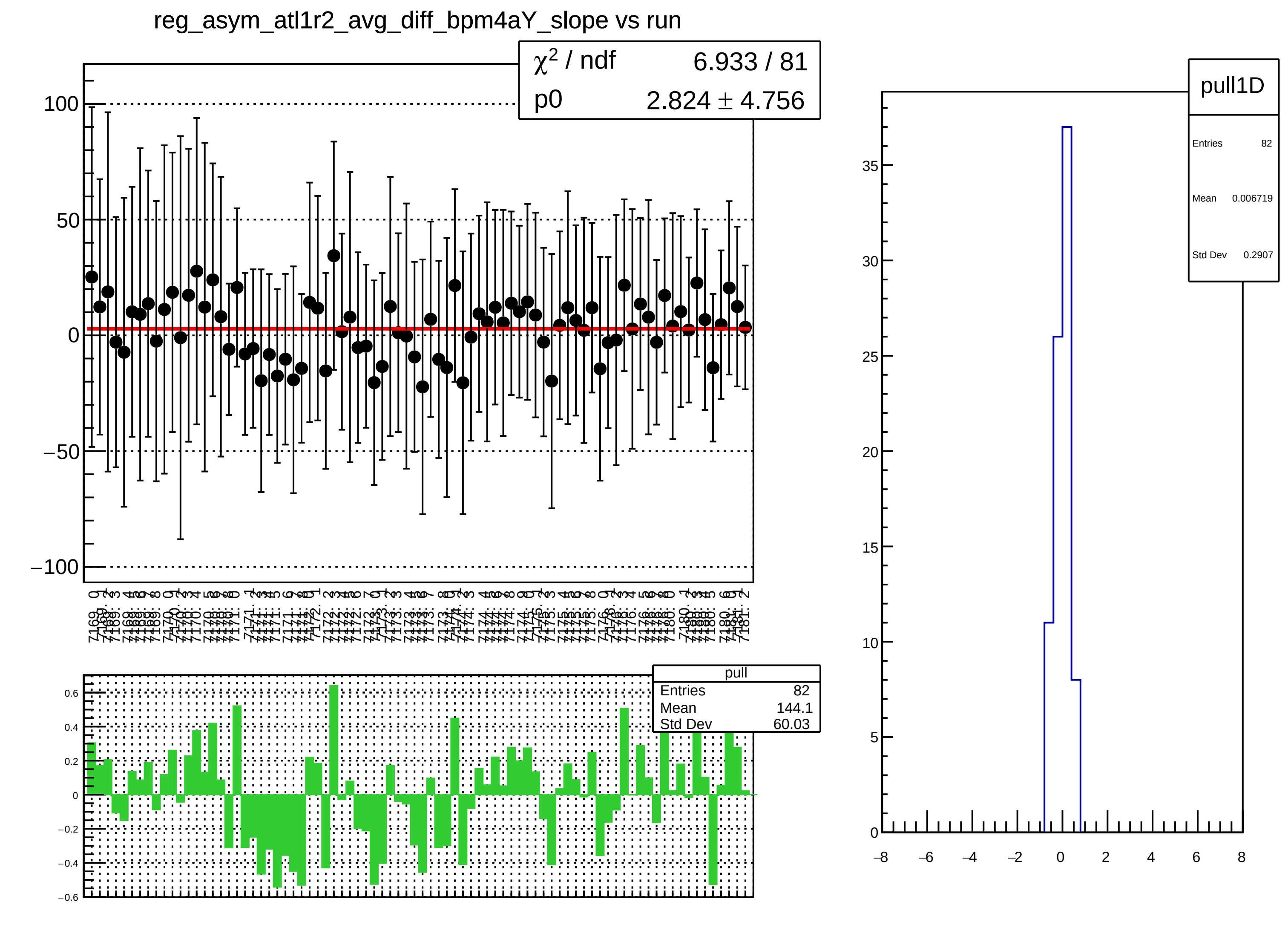

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 58.67 / 81
p0 −4.157 ± 1.758
pull
Entries 82
Mean 38.83
Std Dev 28.69
pull1D
Entries 82
Mean 0.02075
Std Dev 0.8456



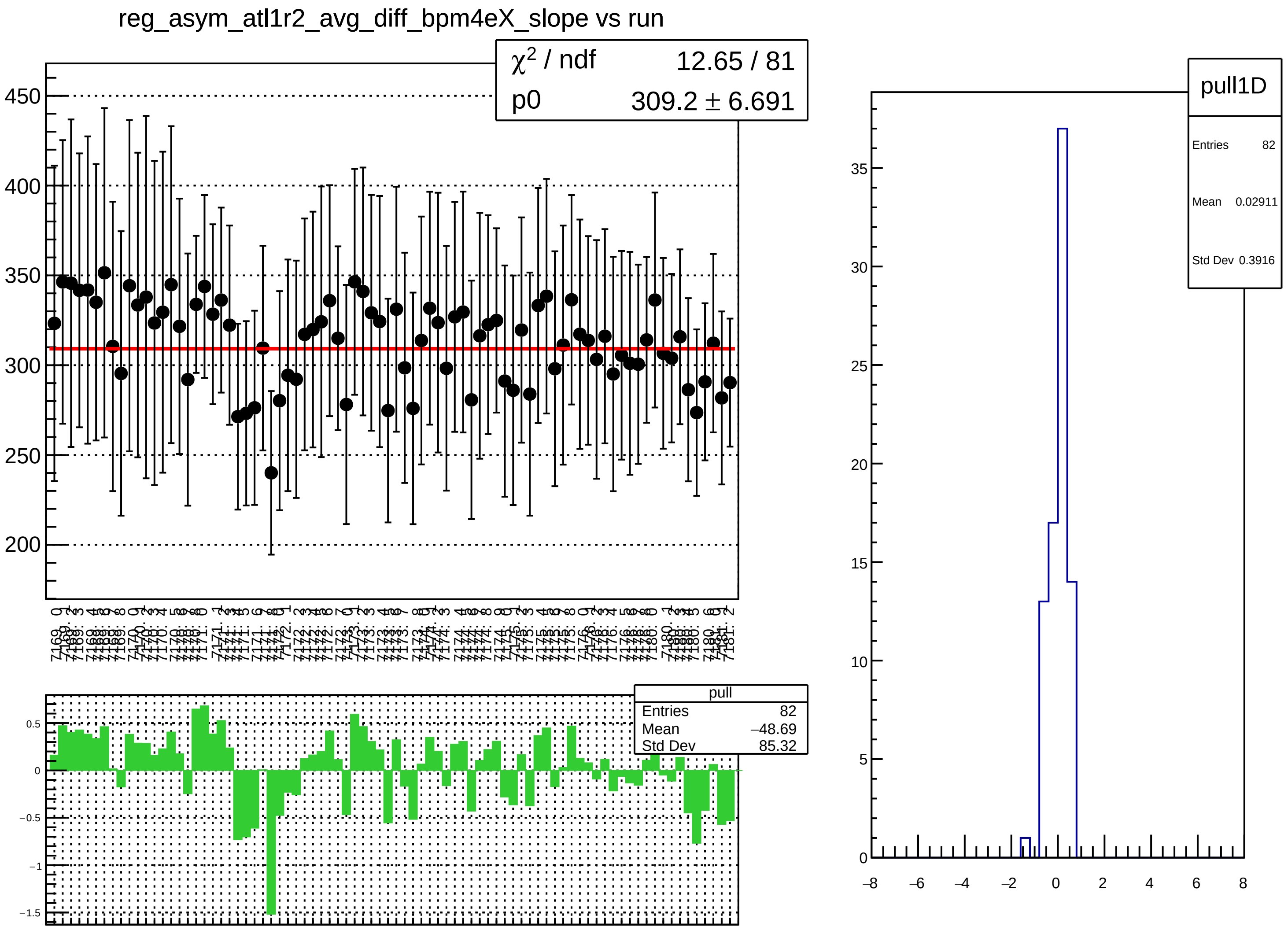
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 72.39 / 81
p0 13.97 ± 0.08072
pull
Entries 82
Mean 461.8
Std Dev 431.6
pull1D
Entries 82
Mean 0.007933
Std Dev 0.9395



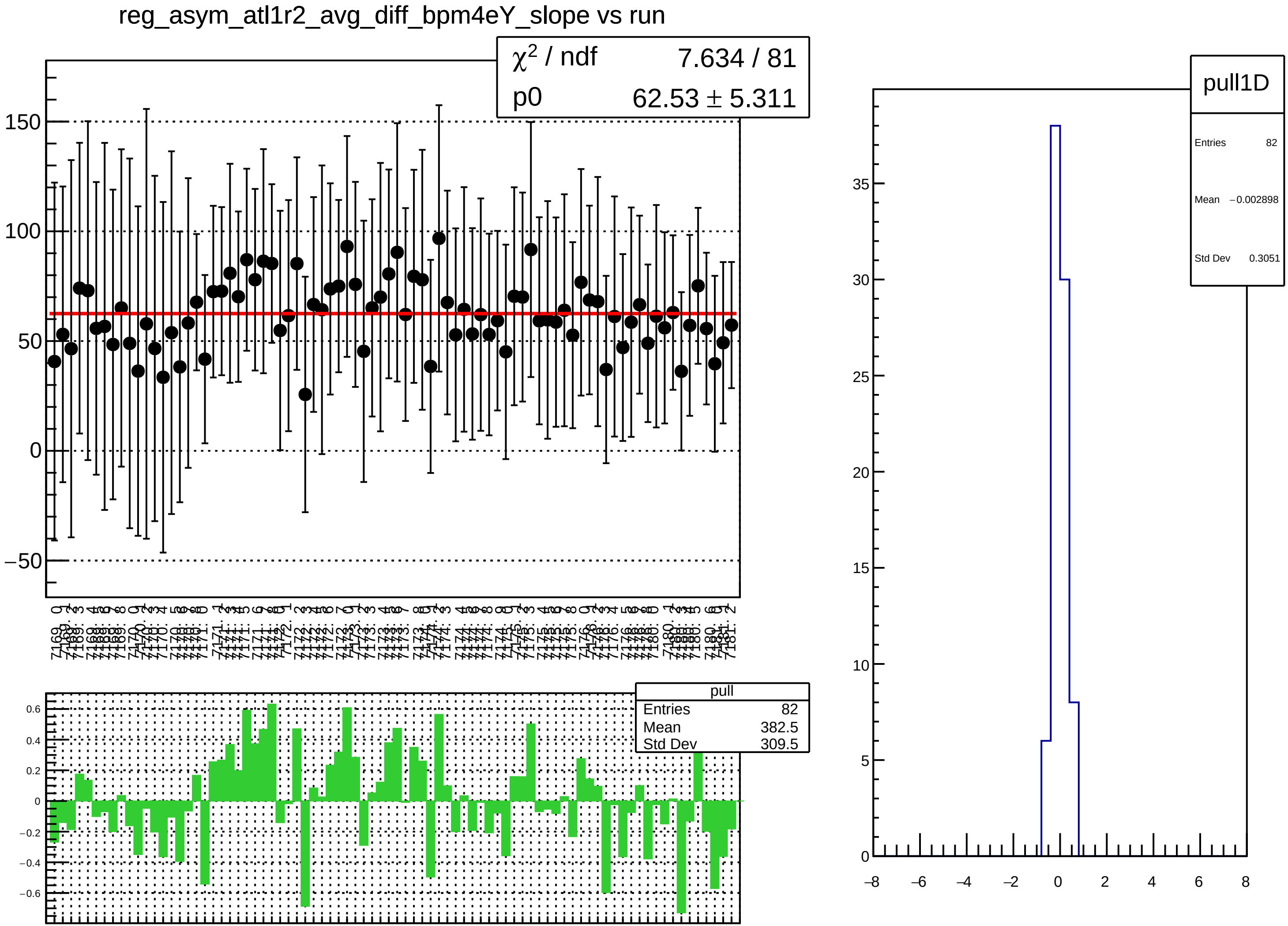
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 13.04 / 81
p0 −241.1 ± 6.695
pull
Entries 82
Mean −46.96
Std Dev 83.9
pull1D
Entries 82
Mean −0.02895
Std Dev 0.3978



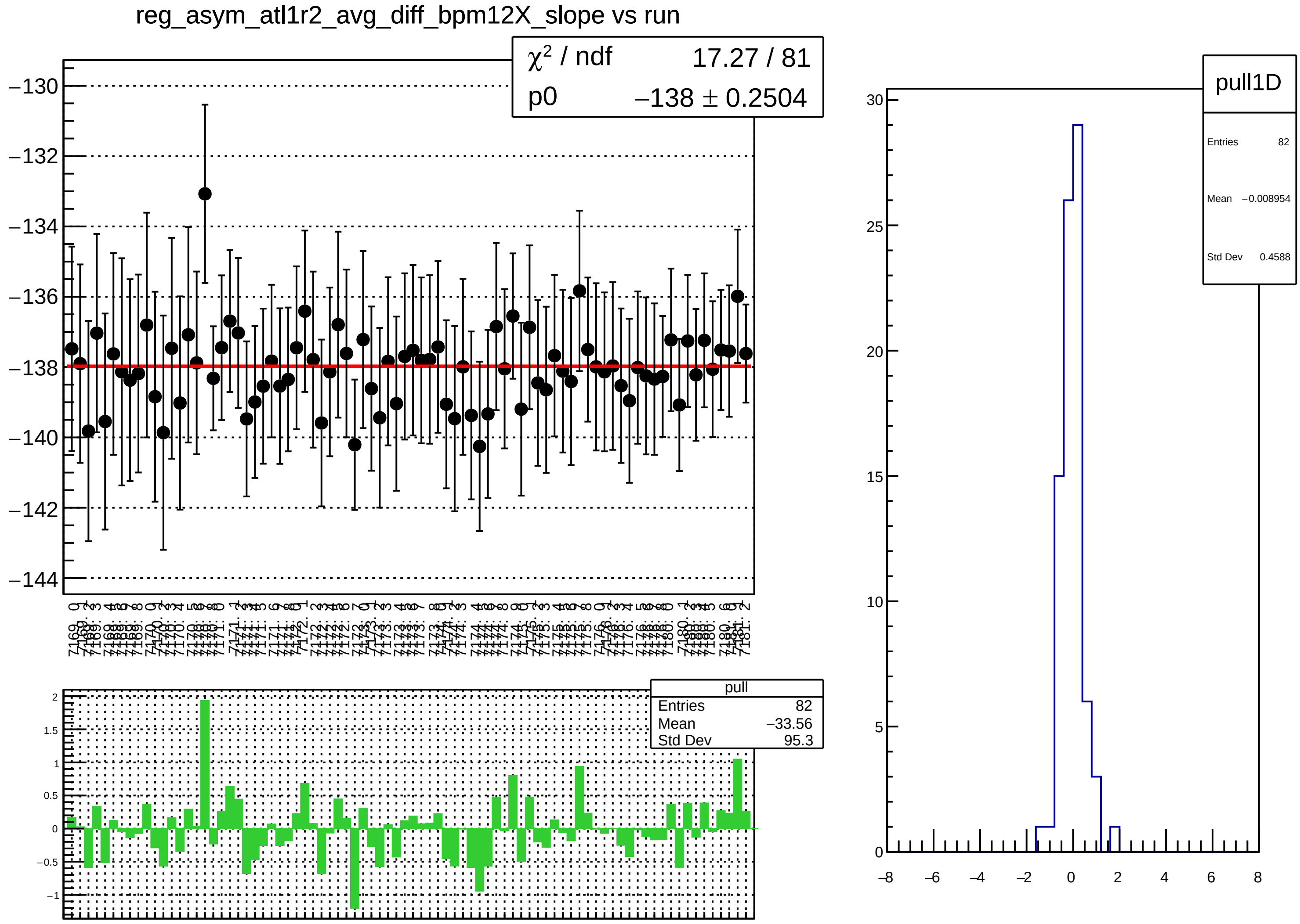
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.933 / 81
p0 2.824 ± 4.756
pull
Entries 82
Mean 144.1
Std Dev 60.03
pull1D
Entries 82
Mean 0.006719
Std Dev 0.2907



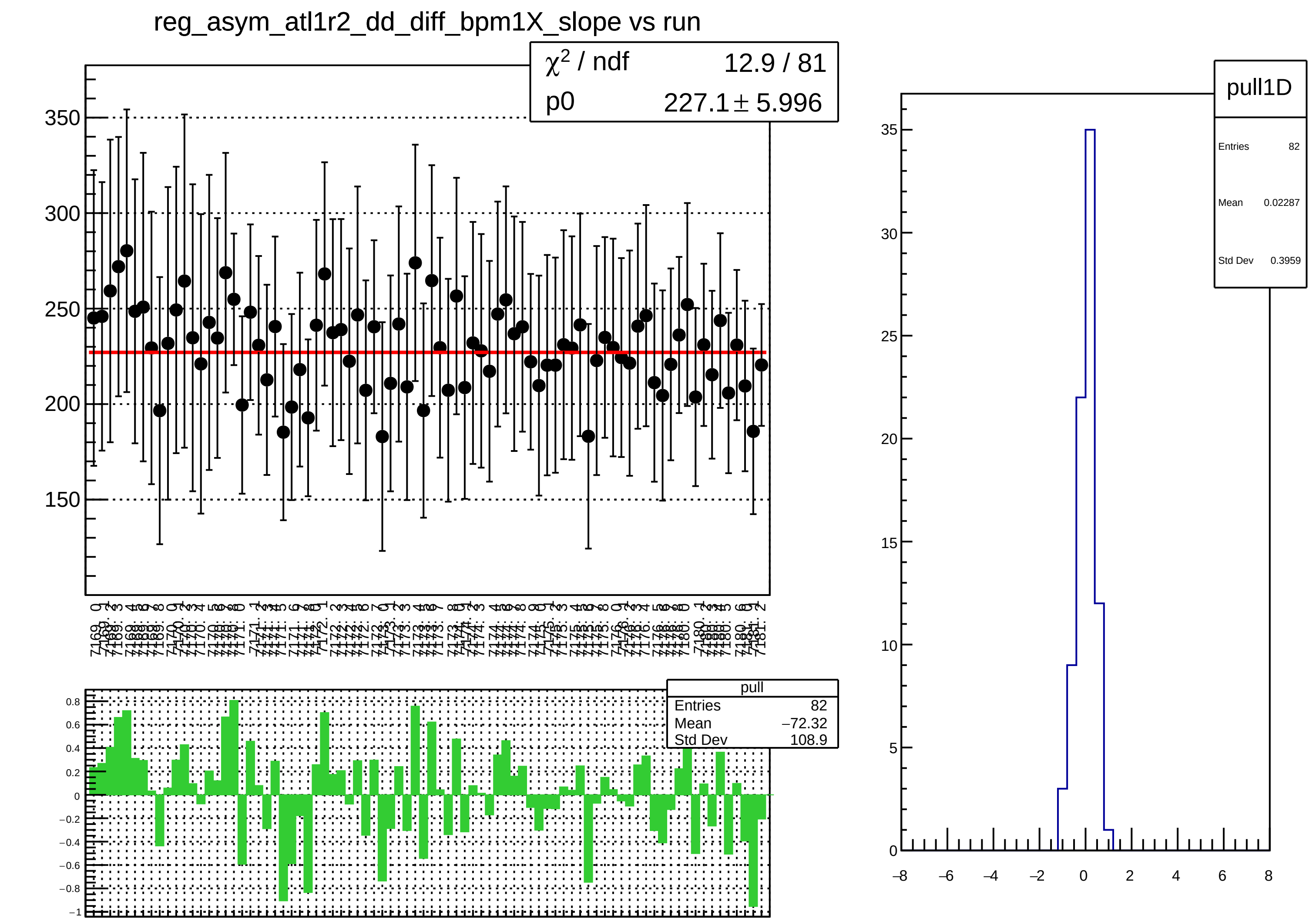
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 12.65 / 81
p0 309.2 ± 6.691
pull
Entries 82
Mean −48.69
Std Dev 85.32
pull1D
Entries 82
Mean 0.02911
Std Dev 0.3916



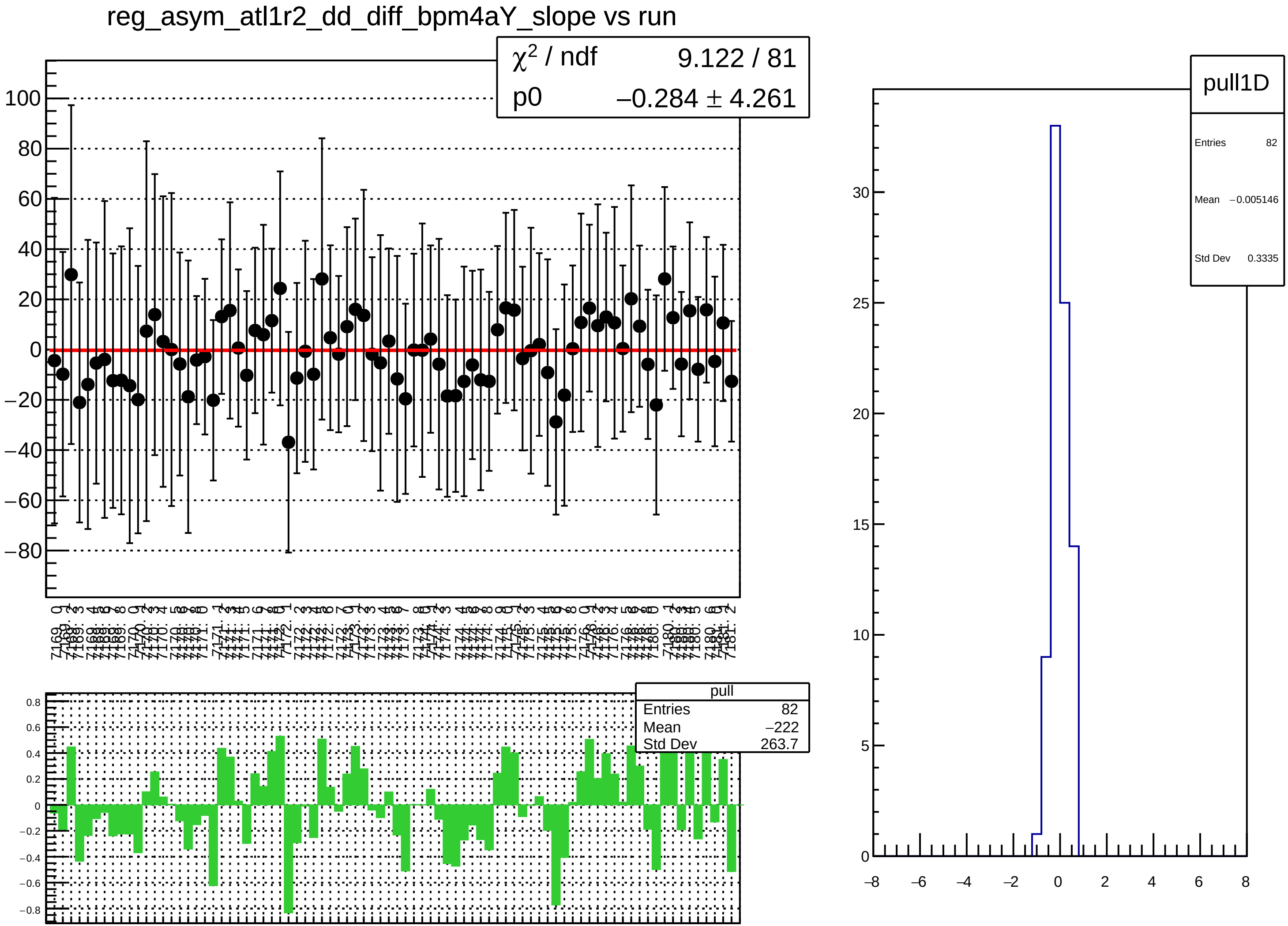
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 7.634 / 81
p0 62.53 ± 5.311
pull
Entries 82
Mean 382.5
Std Dev 309.5
pull1D
Entries 82
Mean −0.002898
Std Dev 0.3051



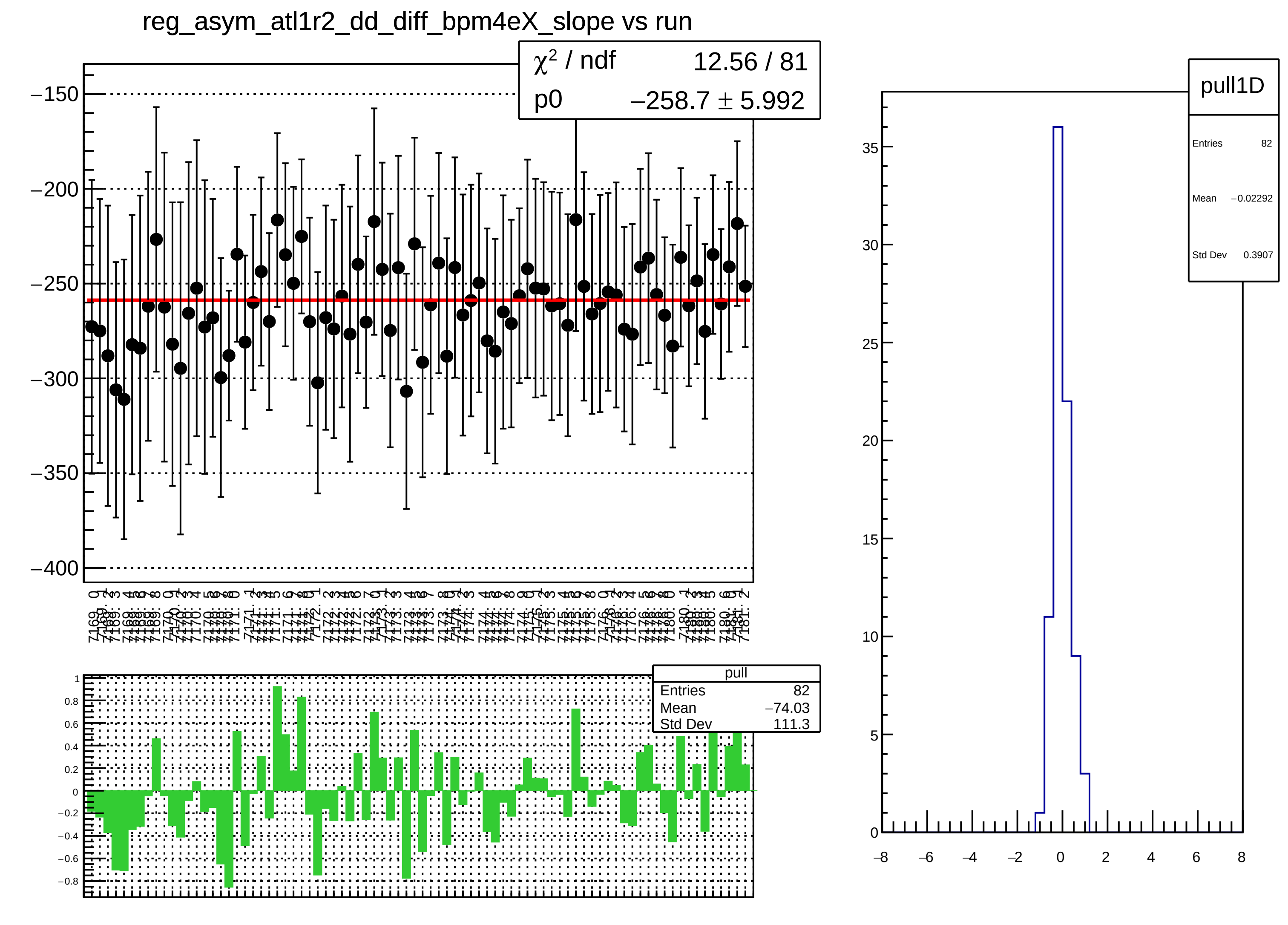
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 17.27 / 81
p0 −138 ± 0.2504
pull
Entries 82
Mean −33.56
Std Dev 95.3
pull1D
Entries 82
Mean −0.008954
Std Dev 0.4588



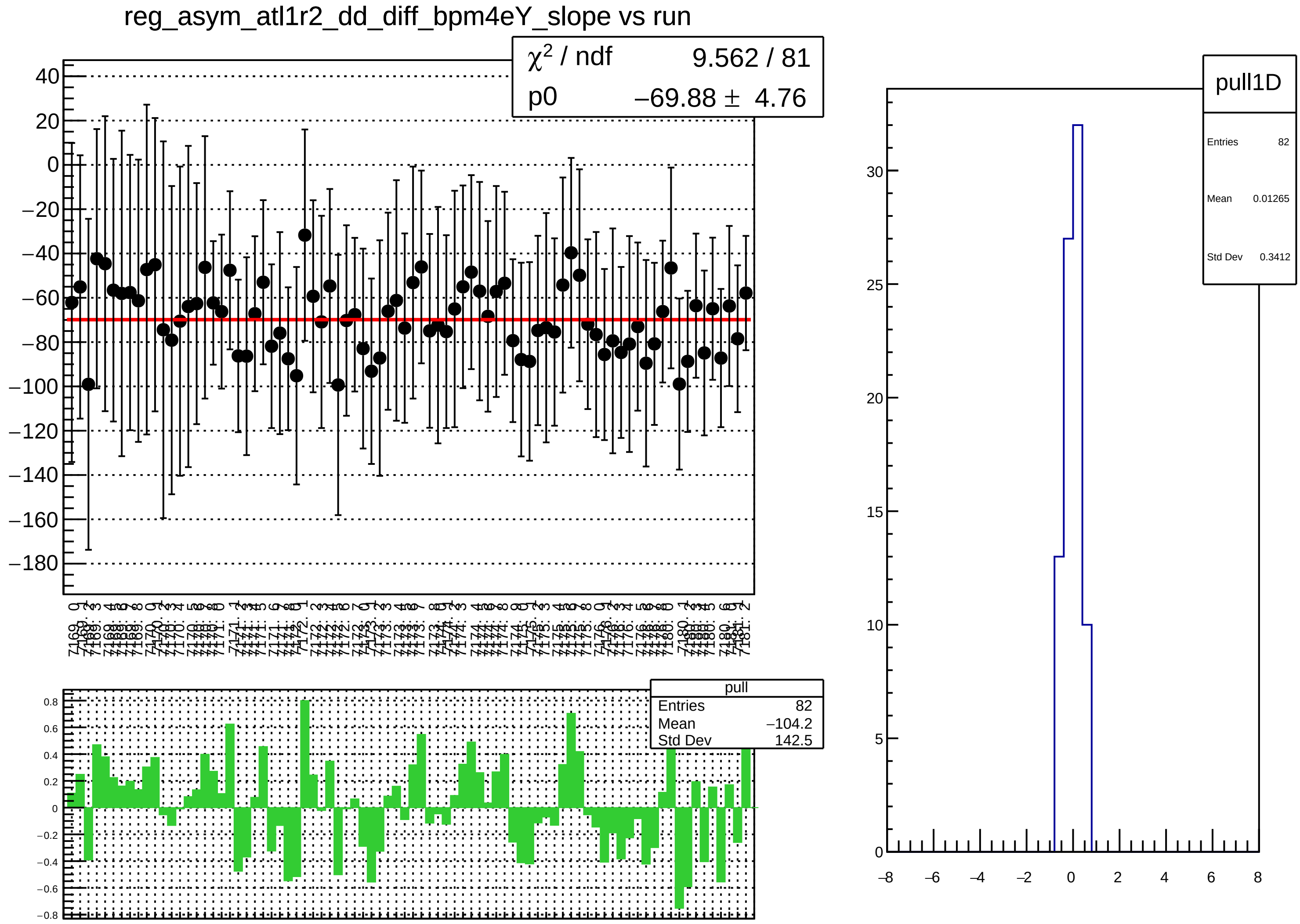
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.9 / 81
p0 227.1 ± 5.996
pull
Entries 82
Mean −72.32
Std Dev 108.9
pull1D
Entries 82
Mean 0.02287
Std Dev 0.3959

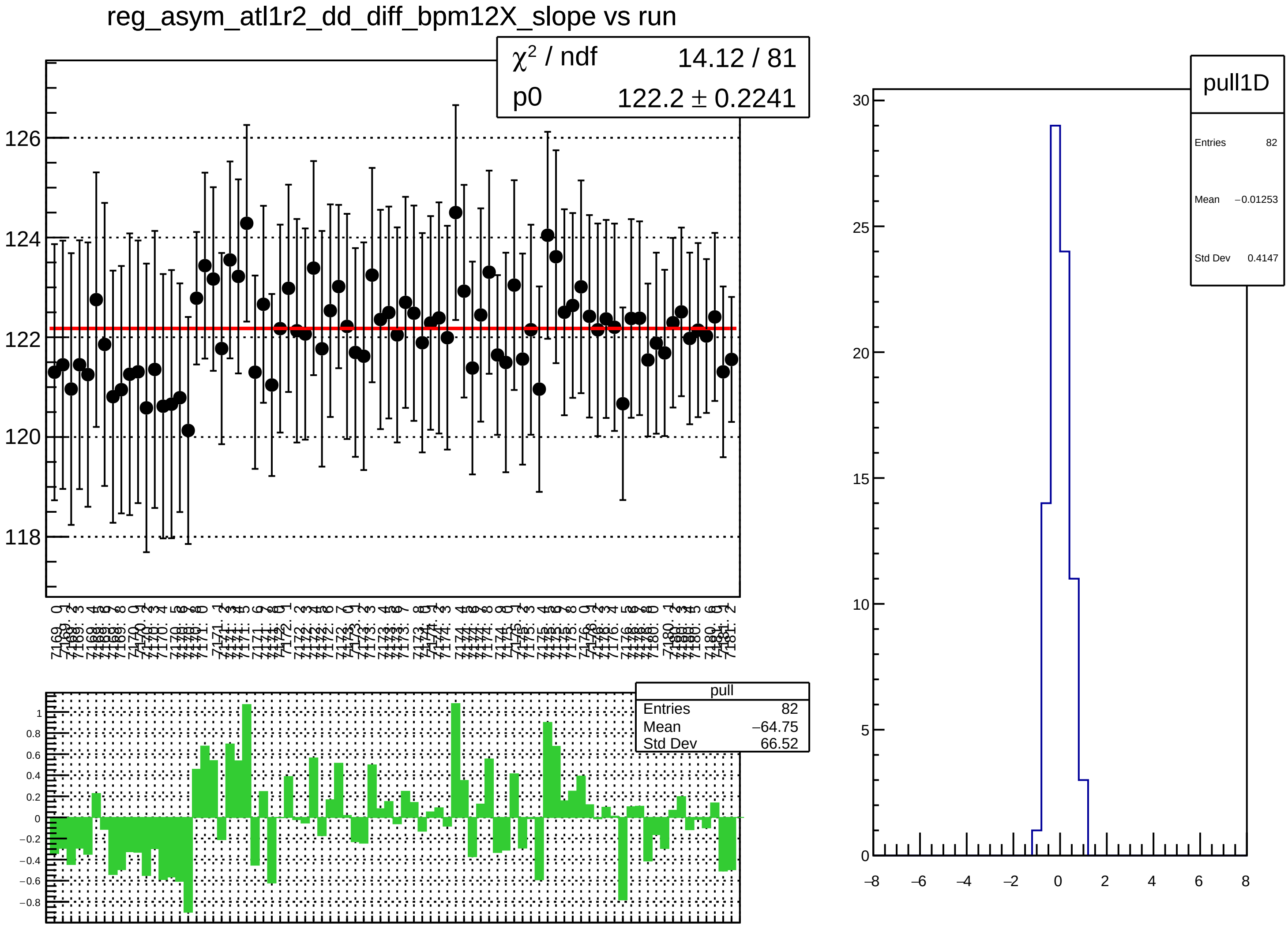


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.122 / 81
p0 −0.284 ± 4.261
pull
Entries 82
Mean −222
Std Dev 263.7
pull1D
Entries 82
Mean −0.005146
Std Dev 0.3335

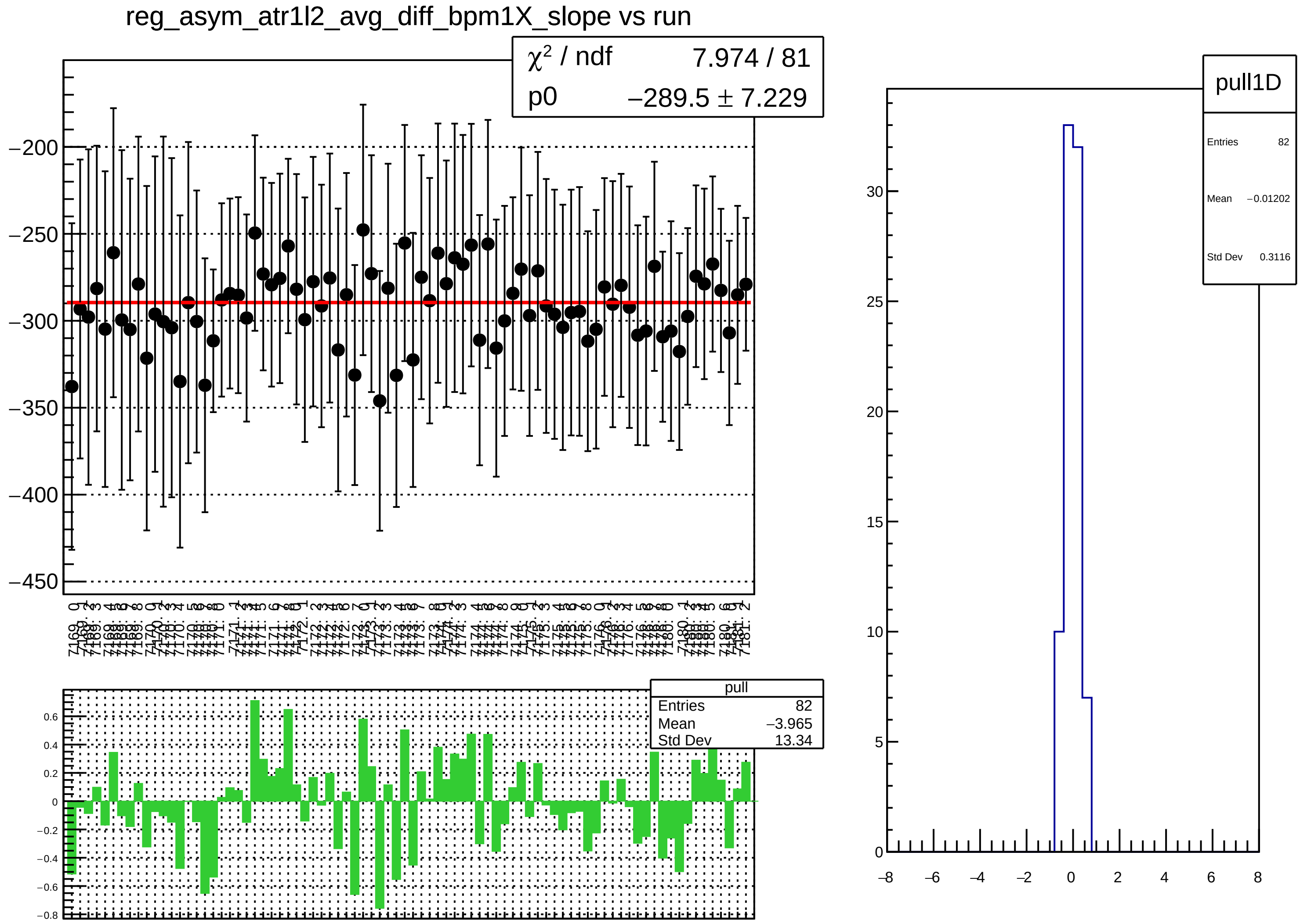


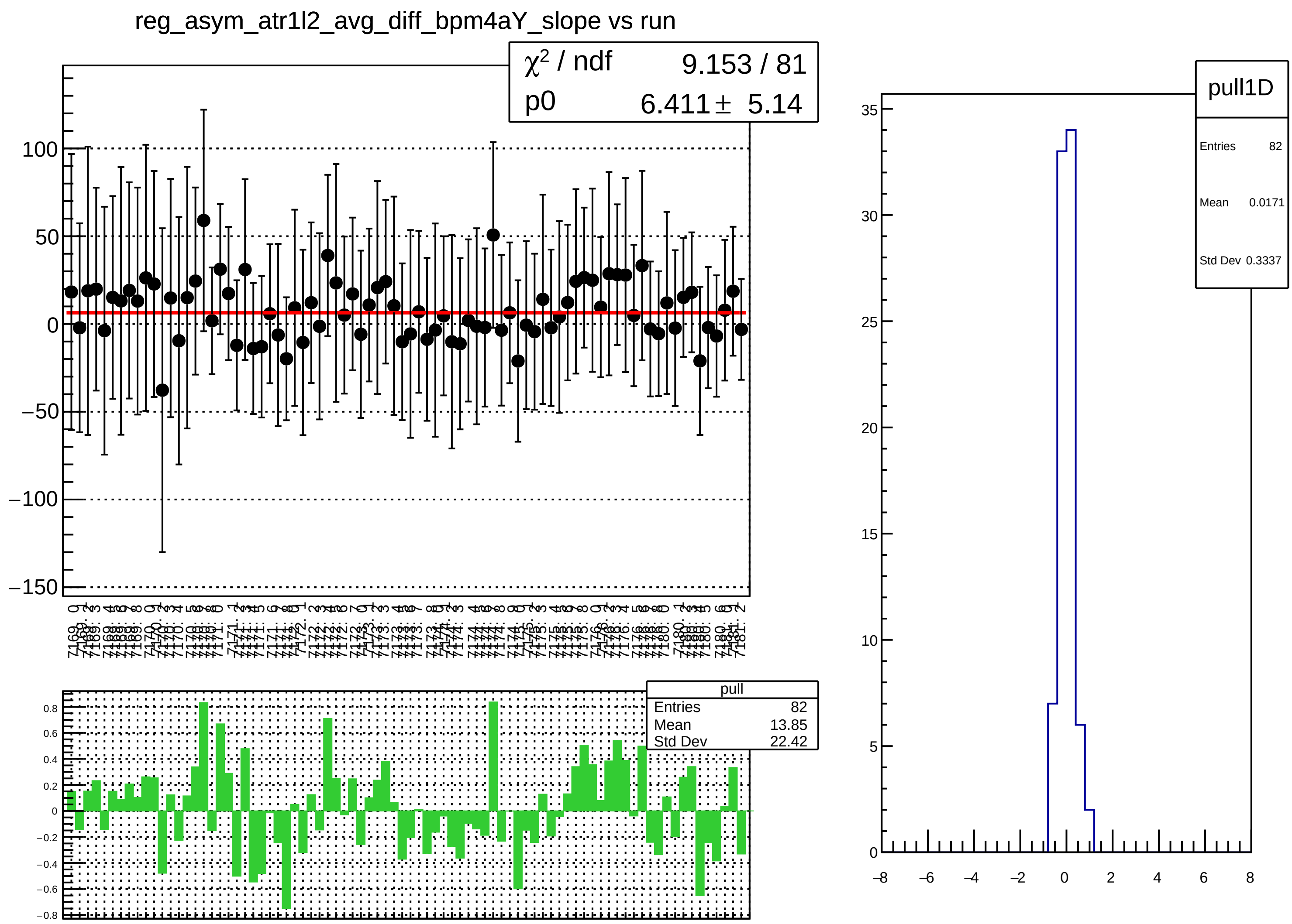
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.56 / 81
p0 −258.7 ± 5.992
pull
Entries 82
Mean −74.03
Std Dev 111.3
pull1D
Entries 82
Mean −0.02292
Std Dev 0.3907


reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.562 / 81
p0 −69.88 ± 4.76
pull
Entries 82
Mean −104.2
Std Dev 142.5
pull1D
Entries 82
Mean 0.01265
Std Dev 0.3412

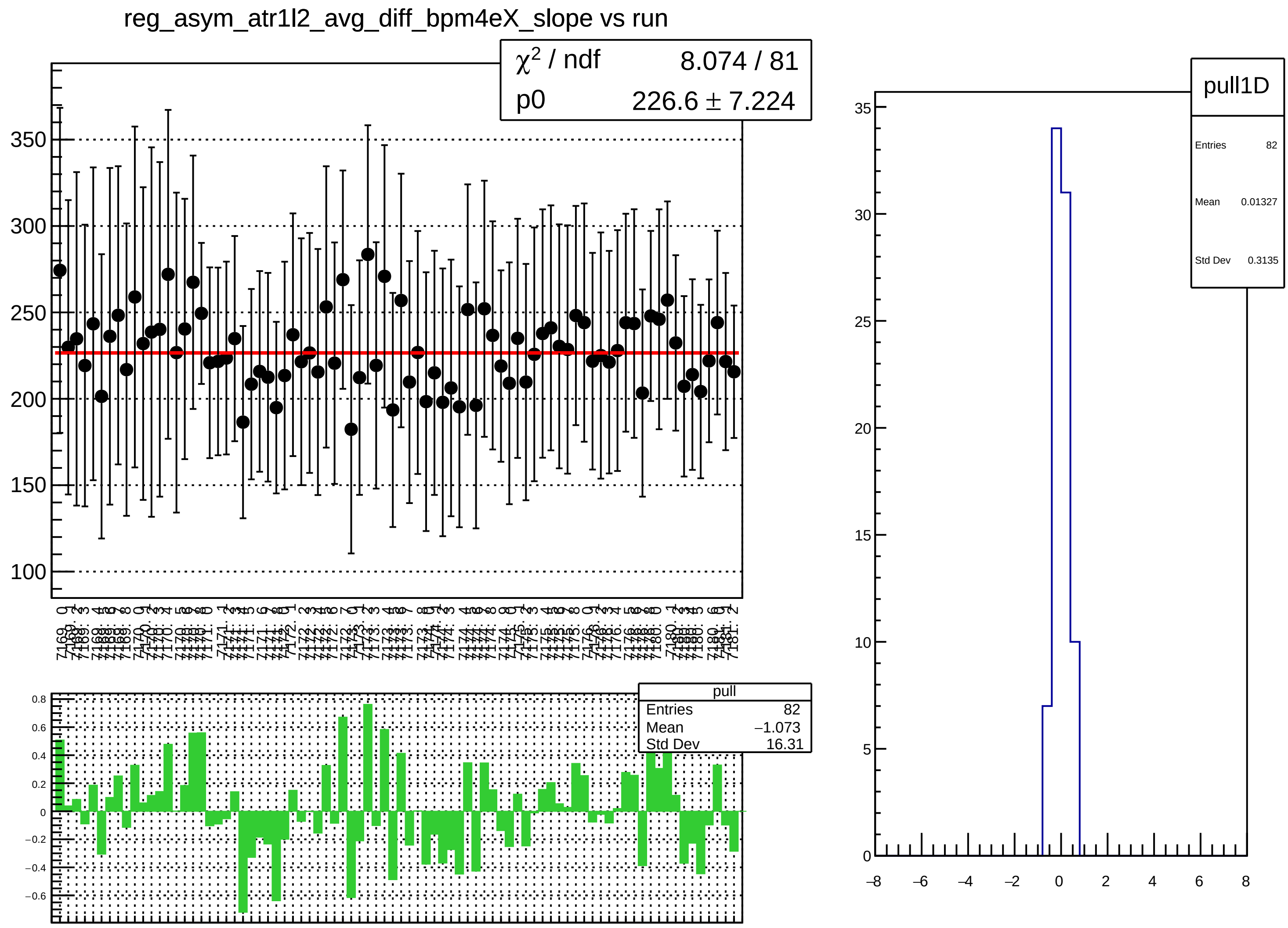


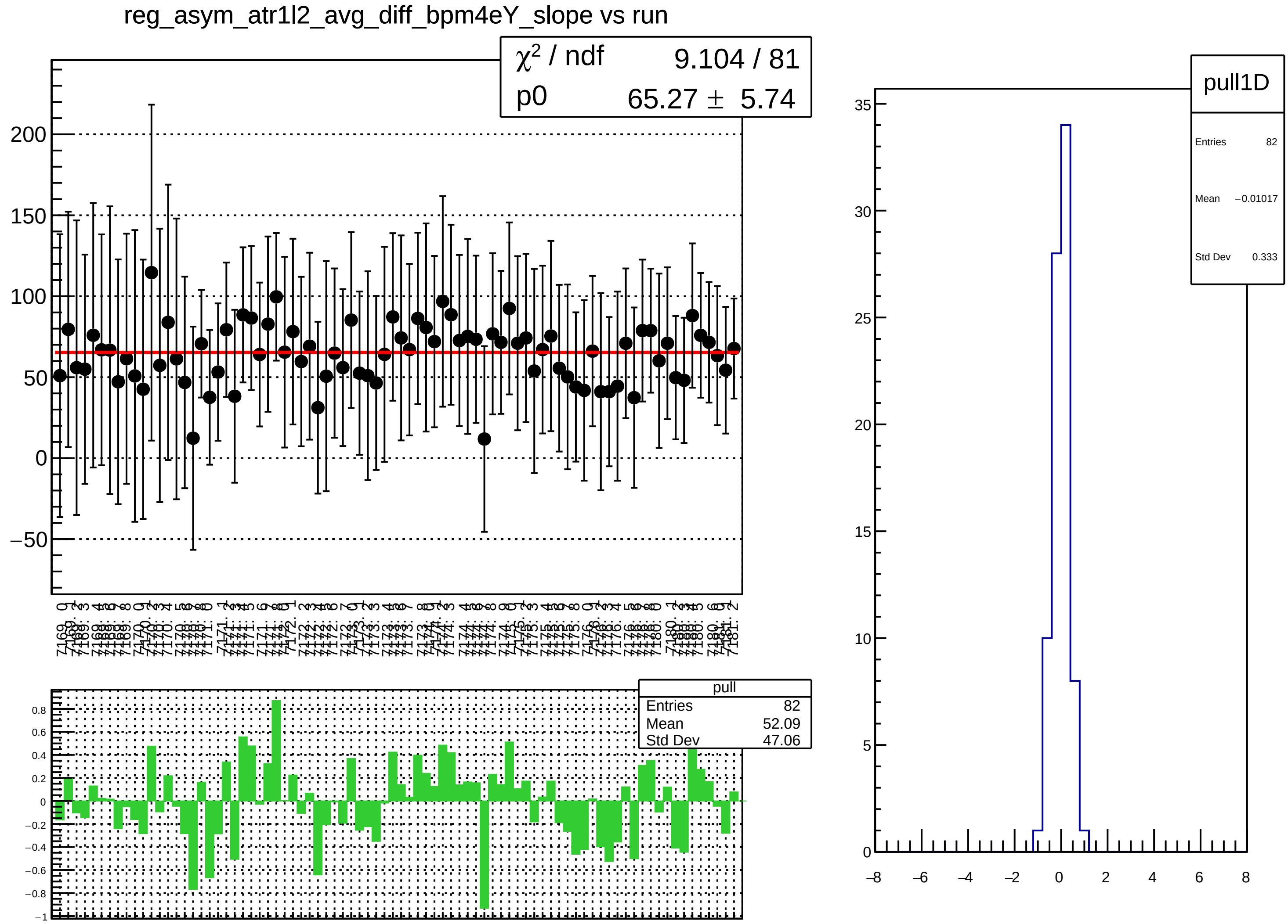
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 14.12 / 81
p0 122.2 ± 0.2241
pull
Entries 82
Mean −64.75
Std Dev 66.52
pull1D
Entries 82
Mean −0.01253
Std Dev 0.4147

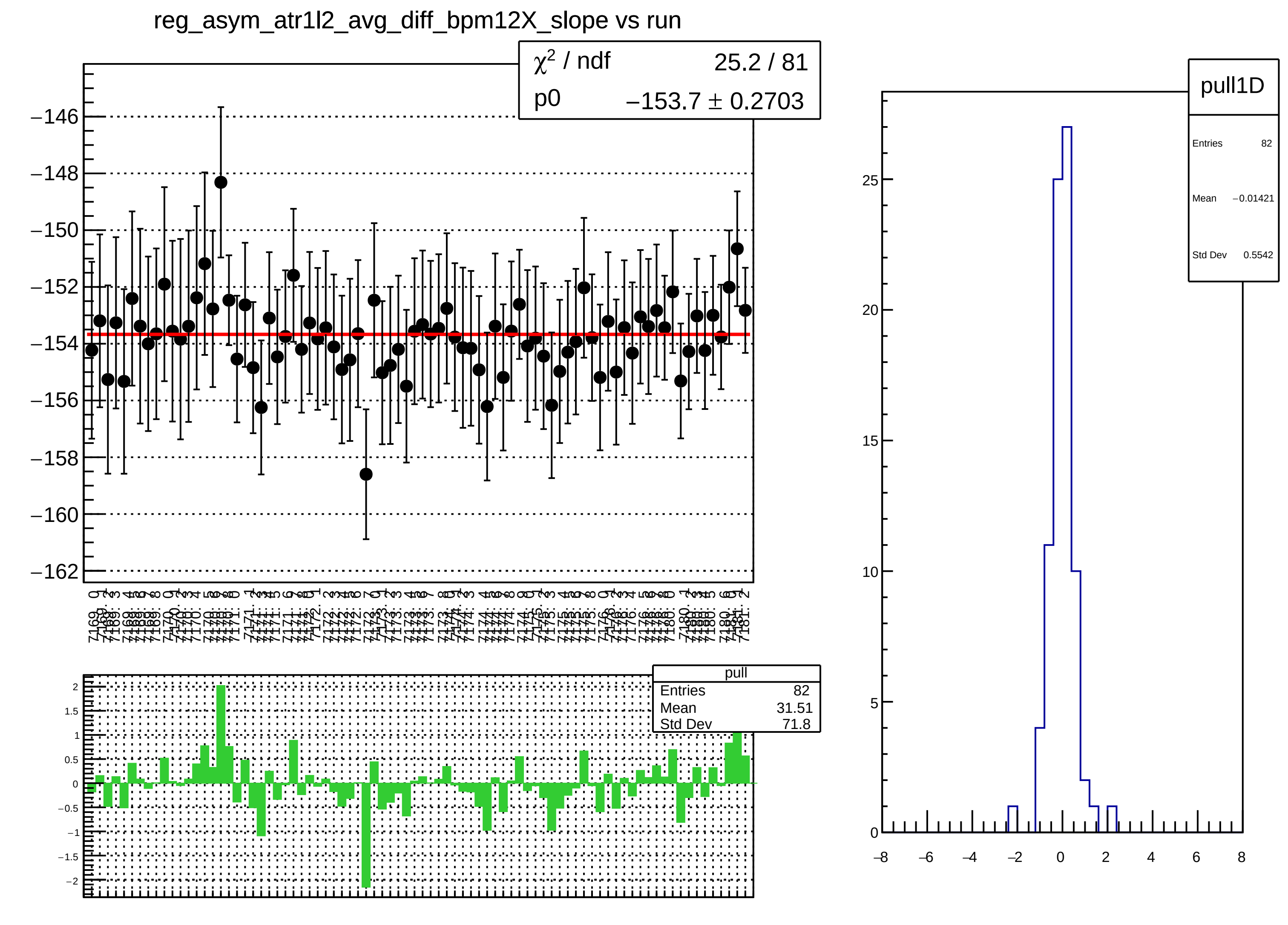

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.974 / 81
p0 −289.5 ± 7.229
−200
−250
−300
−350
−400
−450
pull
Entries 82
Mean −3.965
Std Dev 13.34
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean −0.01202
Std Dev 0.3116
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



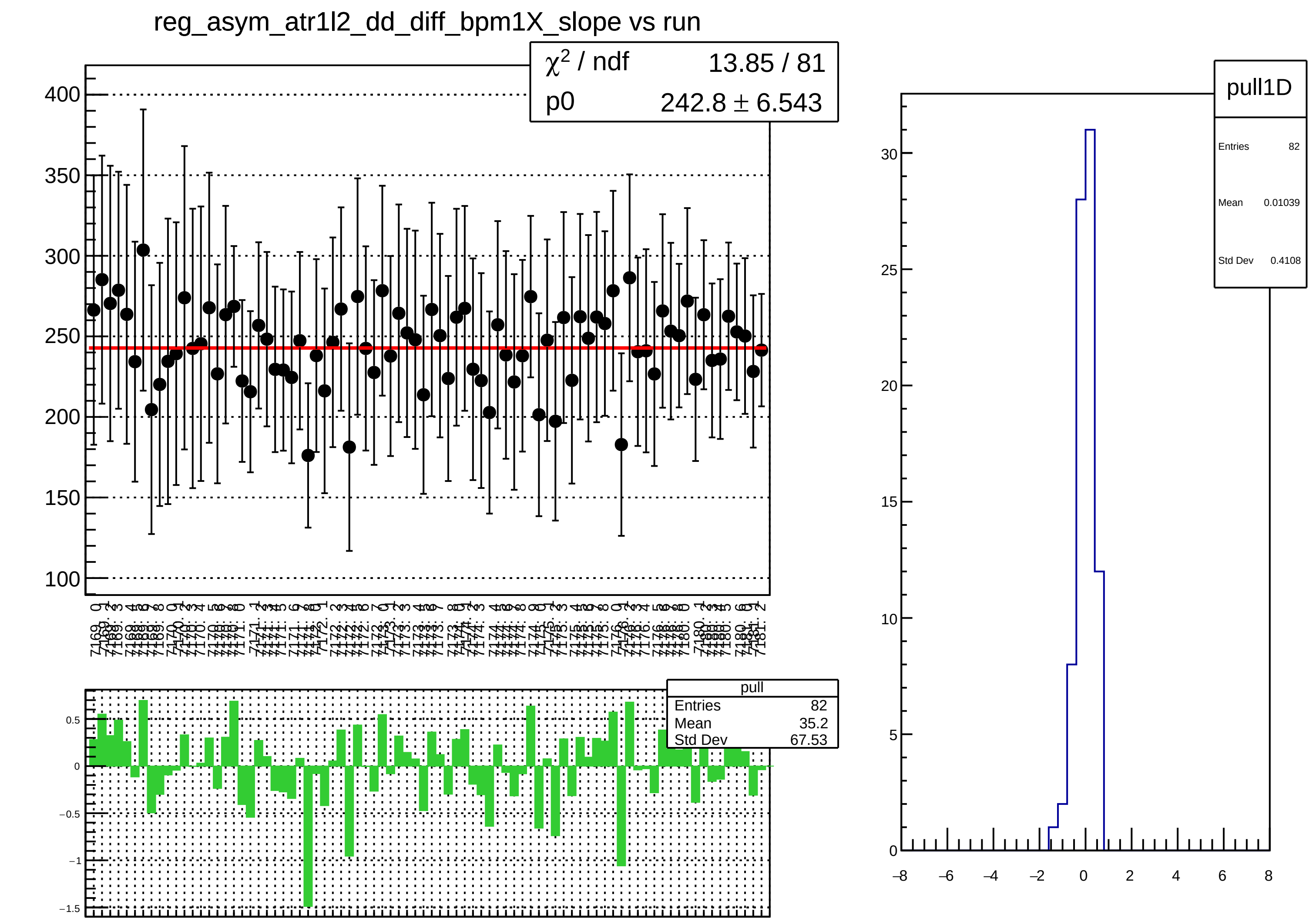
reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.153 / 81
p0 6.411 ± 5.14
pull
Entries 82
Mean 13.85
Std Dev 22.42
pull1D
Entries 82
Mean 0.0171
Std Dev 0.3337

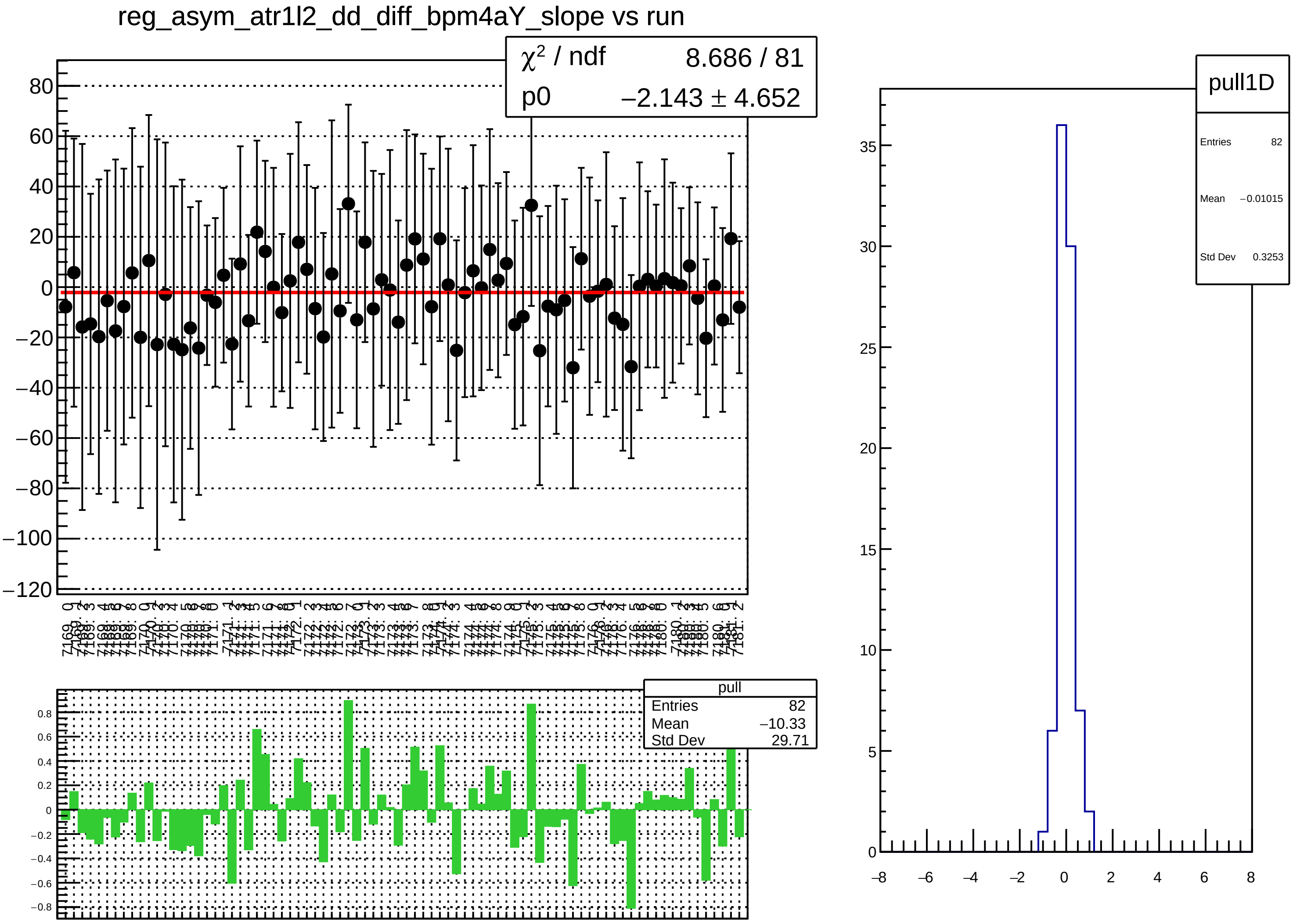

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.074 / 81
p0 226.6 ± 7.224
pull
Entries 82
Mean −1.073
Std Dev 16.31
pull1D
Entries 82
Mean 0.01327
Std Dev 0.3135


reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 9.104 / 81
p0 65.27 ± 5.74
pull
Entries 82
Mean 52.09
Std Dev 47.06
pull1D
Entries 82
Mean −0.01017
Std Dev 0.333

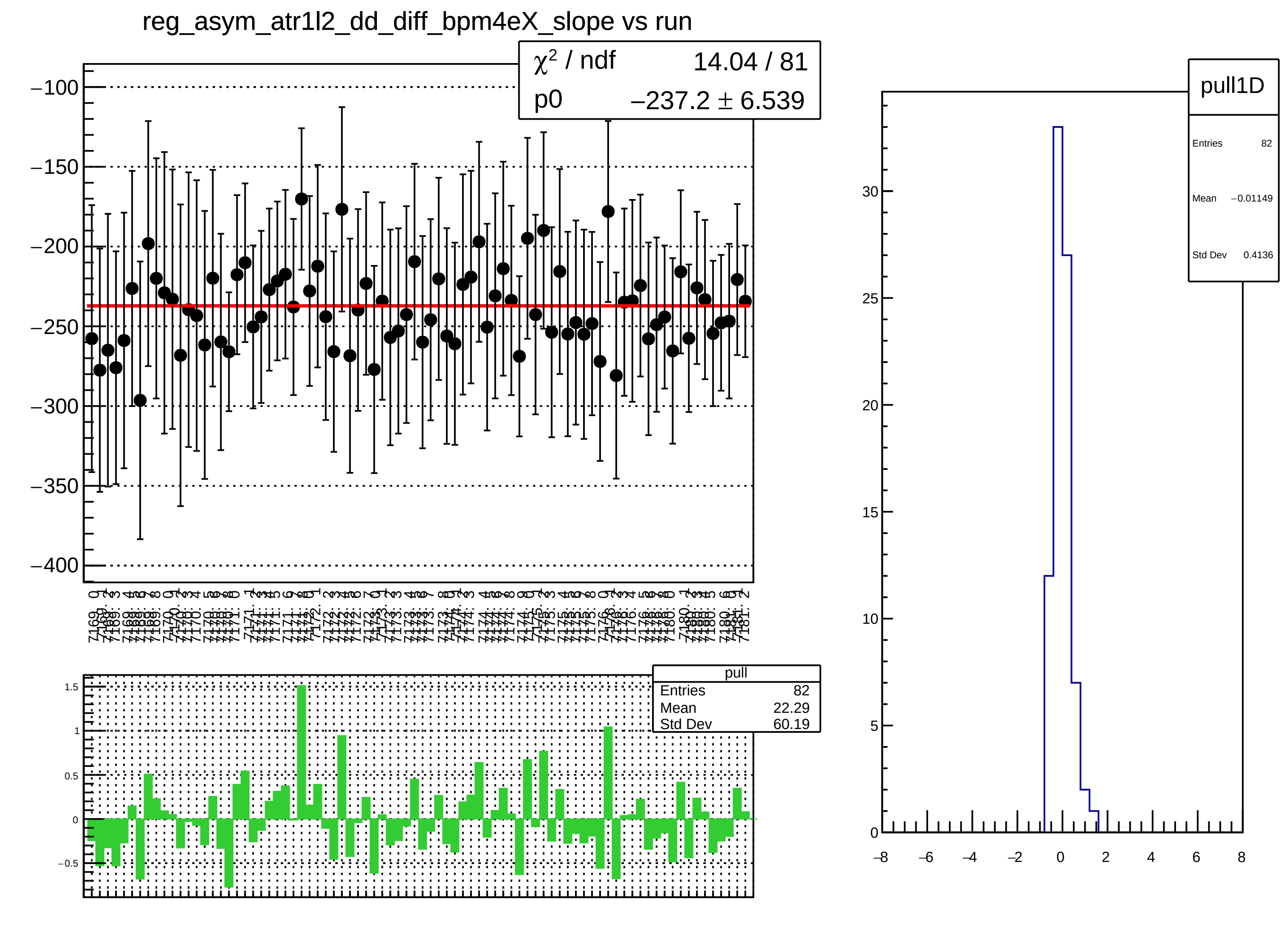


reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 25.2 / 81
p0 −153.7 ± 0.2703
pull
Entries 82
Mean 31.51
Std Dev 71.8
pull1D
Entries 82
Mean −0.01421
Std Dev 0.5542

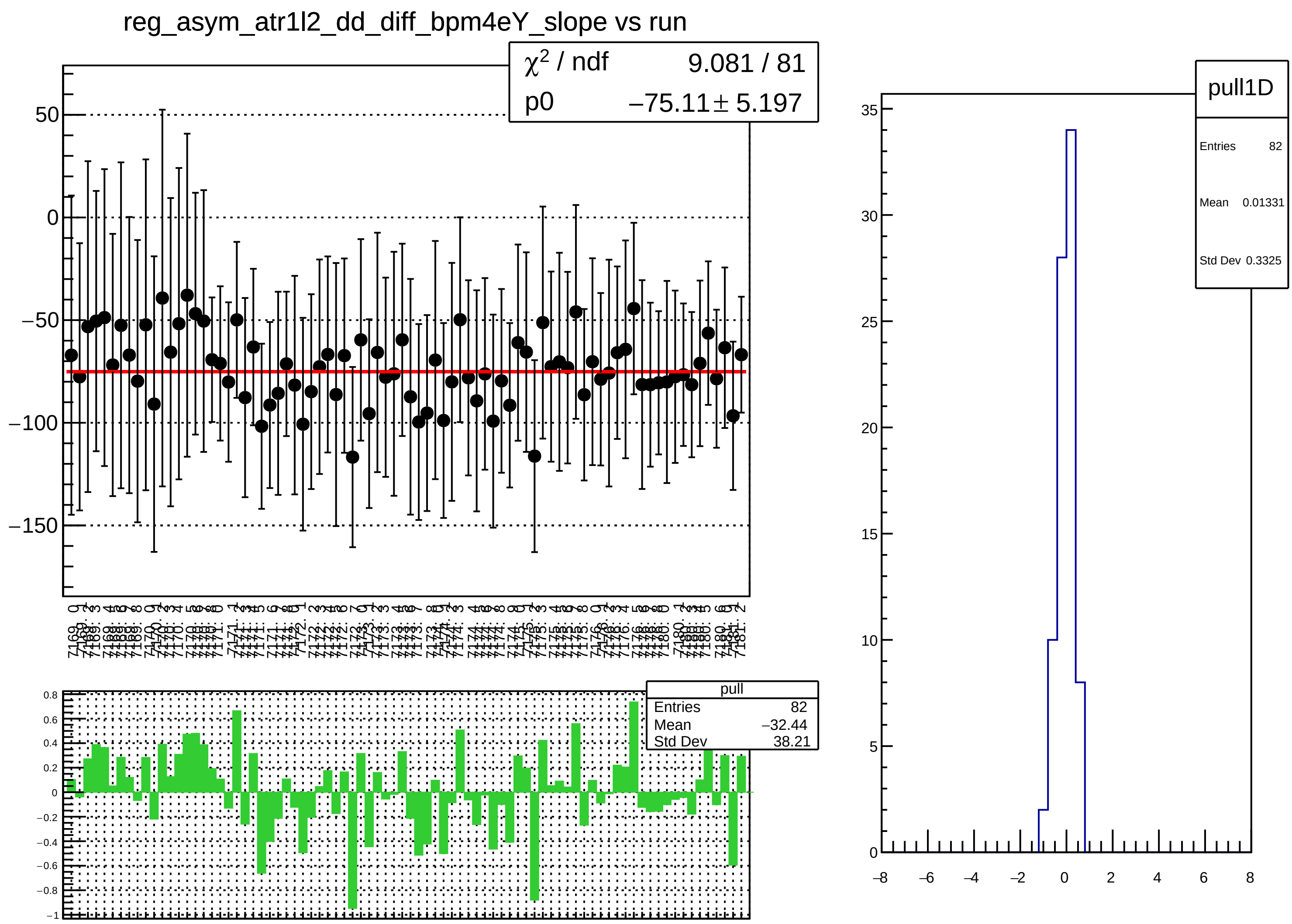

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 13.85 / 81
p0 242.8 ± 6.543
pull
Entries 82
Mean 35.2
Std Dev 67.53
pull1D
Entries 82
Mean 0.01039
Std Dev 0.4108

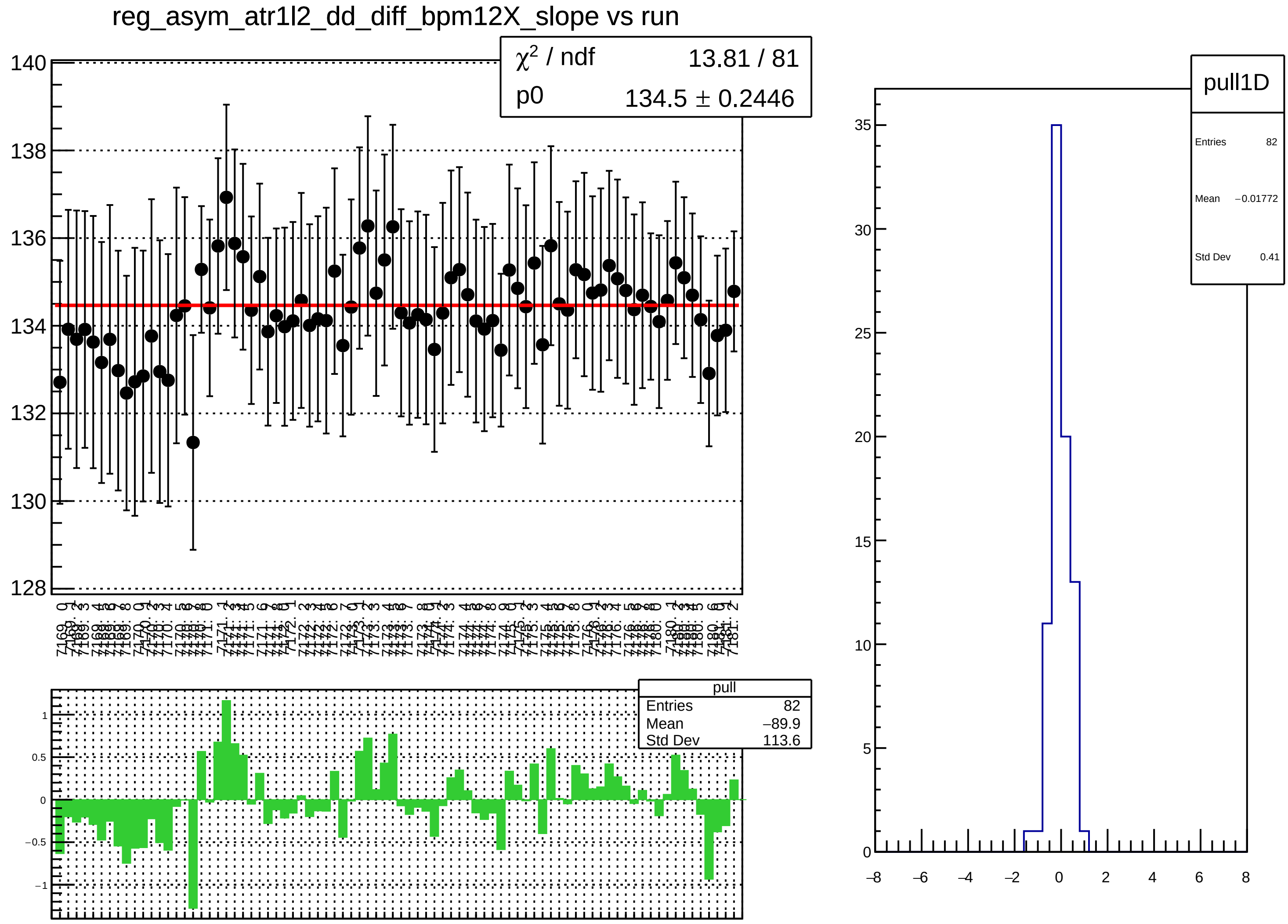


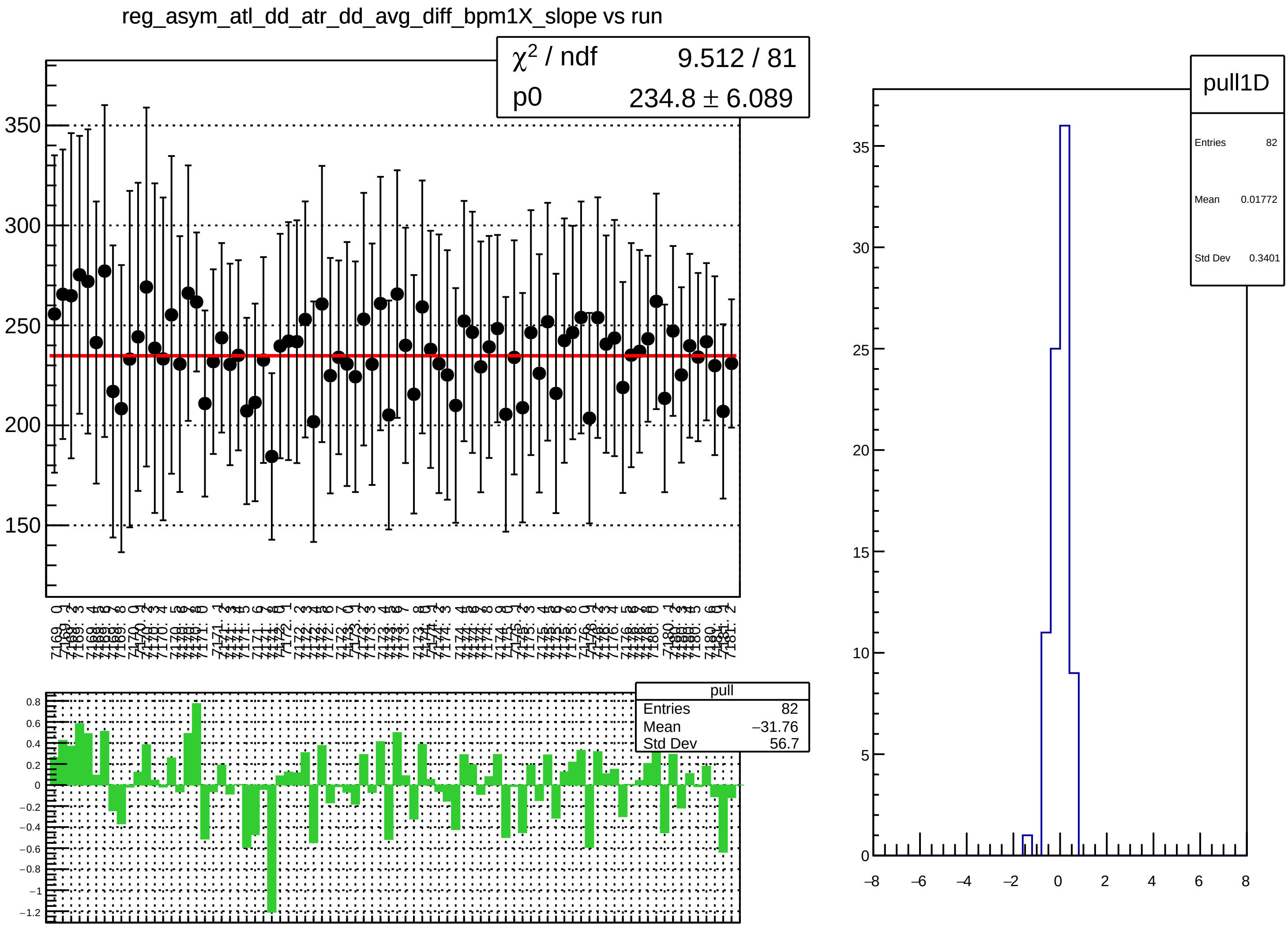
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 8.686 / 81
p0 −2.143 ± 4.652
pull
Entries 82
Mean −10.33
Std Dev 29.71
pull1D
Entries 82
Mean −0.01015
Std Dev 0.3253



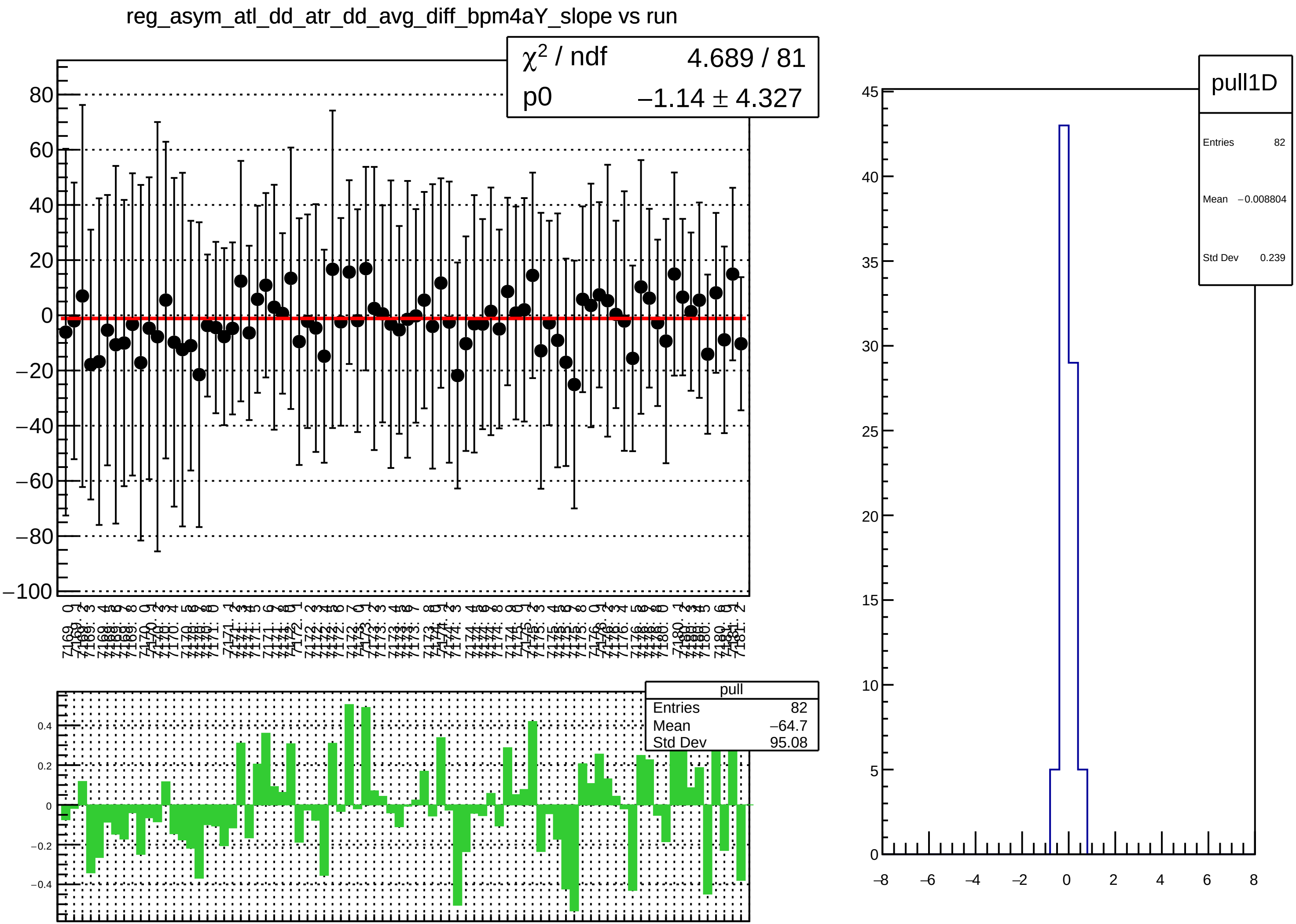
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.04 / 81
p0 −237.2 ± 6.539
pull
Entries 82
Mean 22.29
Std Dev 60.19
pull1D
Entries 82
Mean −0.01149
Std Dev 0.4136


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.081 / 81
p0 −75.11 ± 5.197
pull
Entries 82
Mean −32.44
Std Dev 38.21
pull1D
Entries 82
Mean 0.01331
Std Dev 0.3325

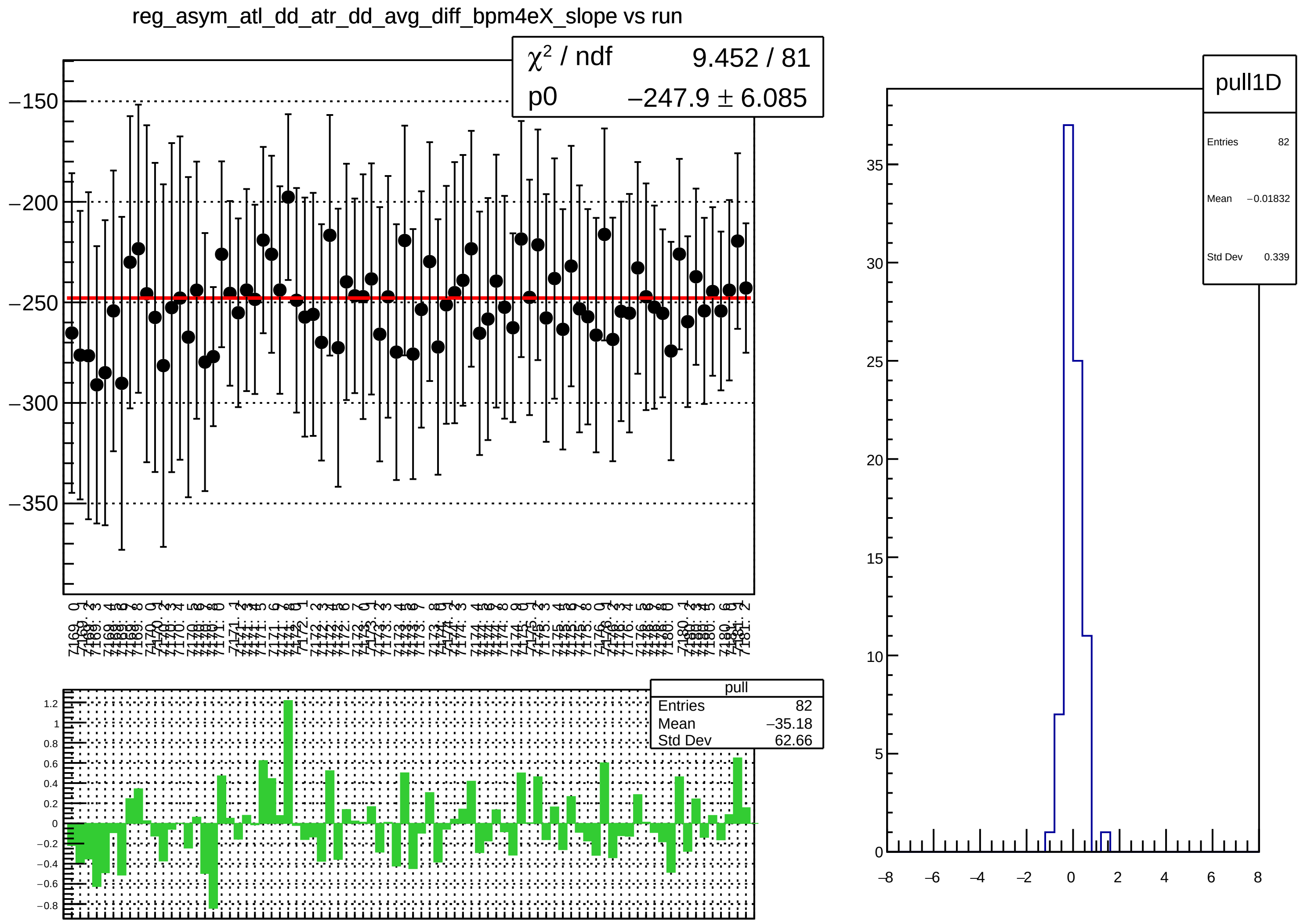

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ2 / ndf 13.81 / 81
p0 134.5 ± 0.2446
140
138
136
134
132
130
128
pull
Entries 82
Mean −89.9
Std Dev 113.6
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.01772
Std Dev 0.41
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

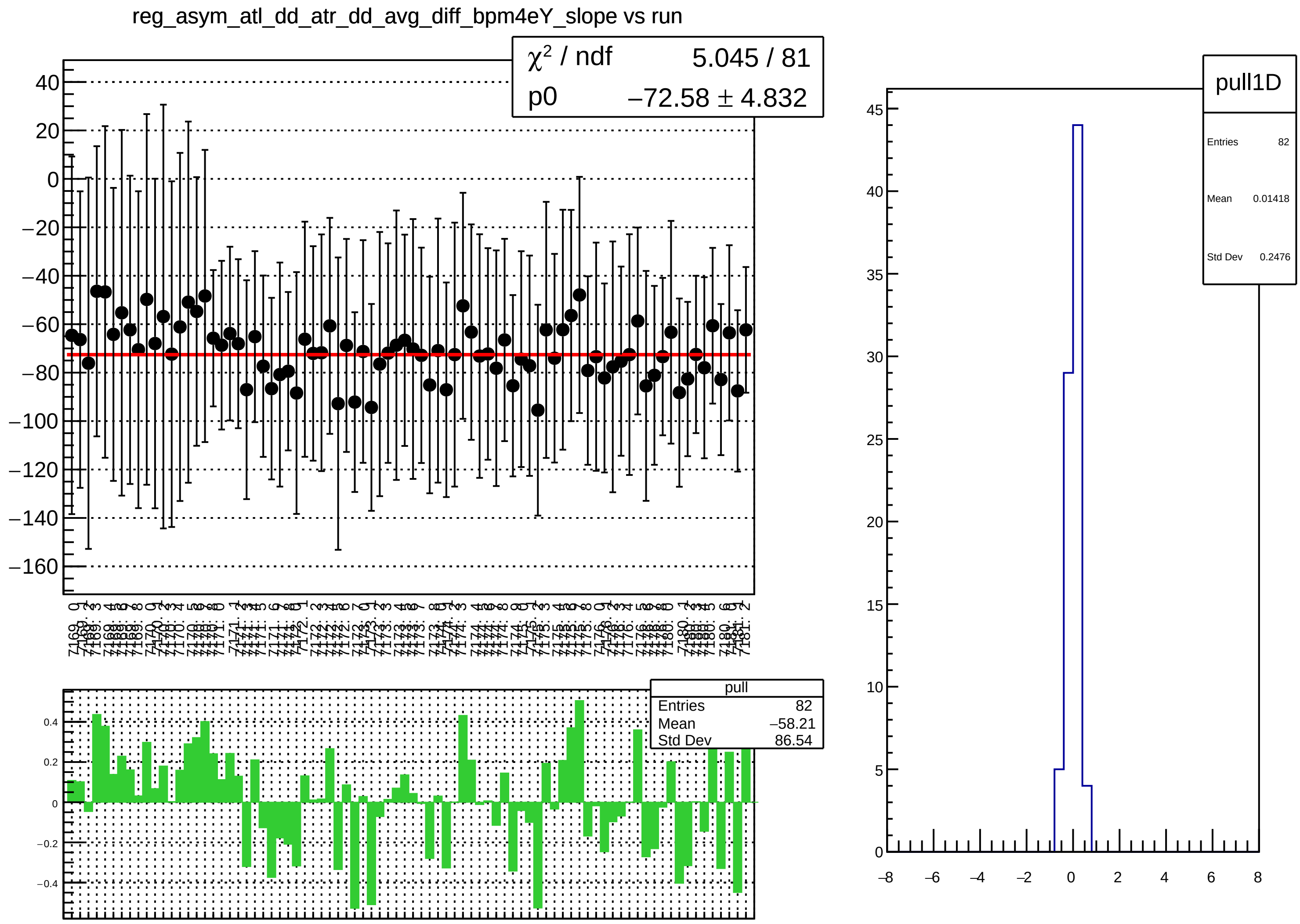


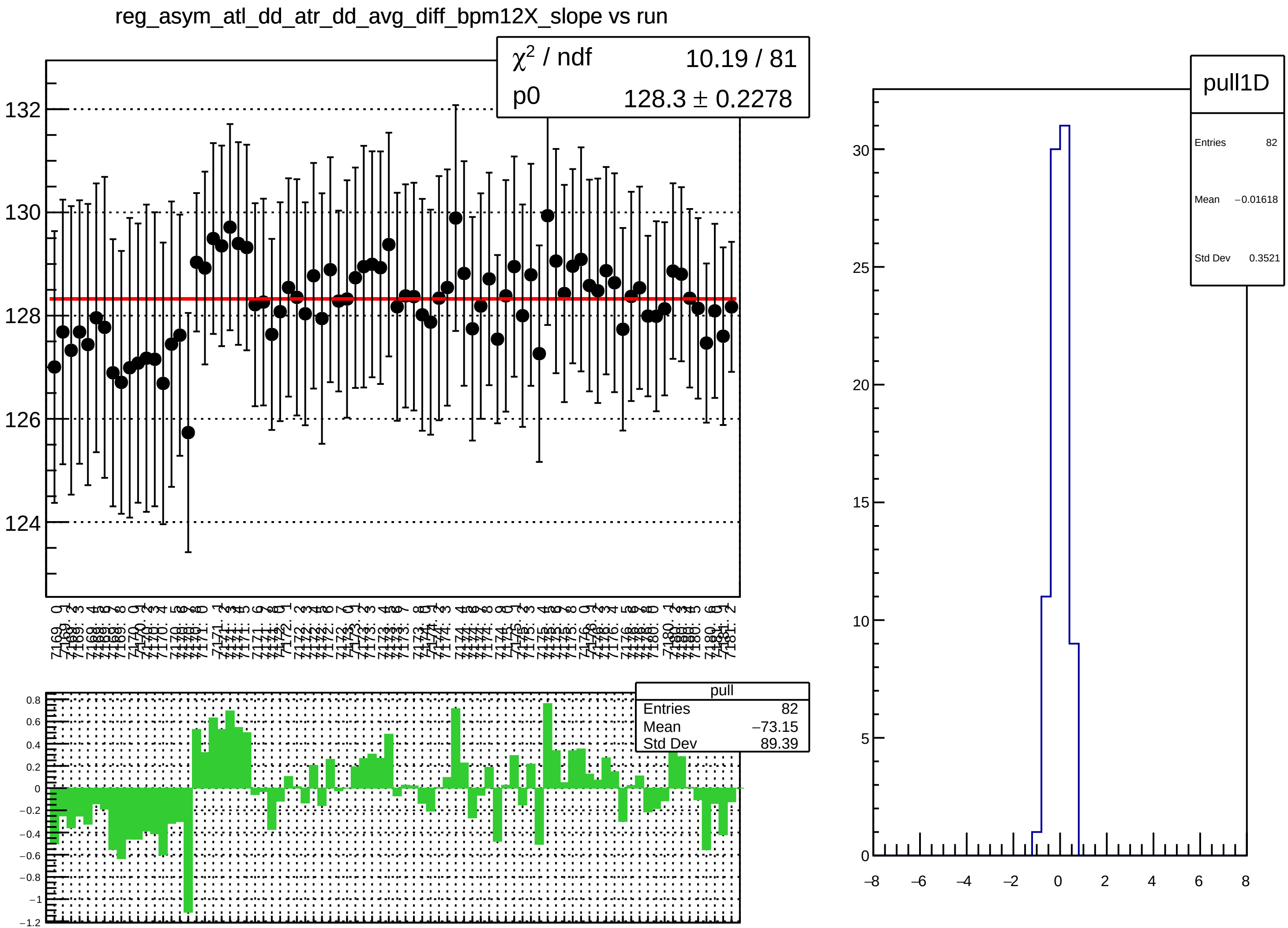
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.512 / 81
p0 234.8 ± 6.089
pull
Entries 82
Mean −31.76
Std Dev 56.7
pull1D
Entries 82
Mean 0.01772
Std Dev 0.3401

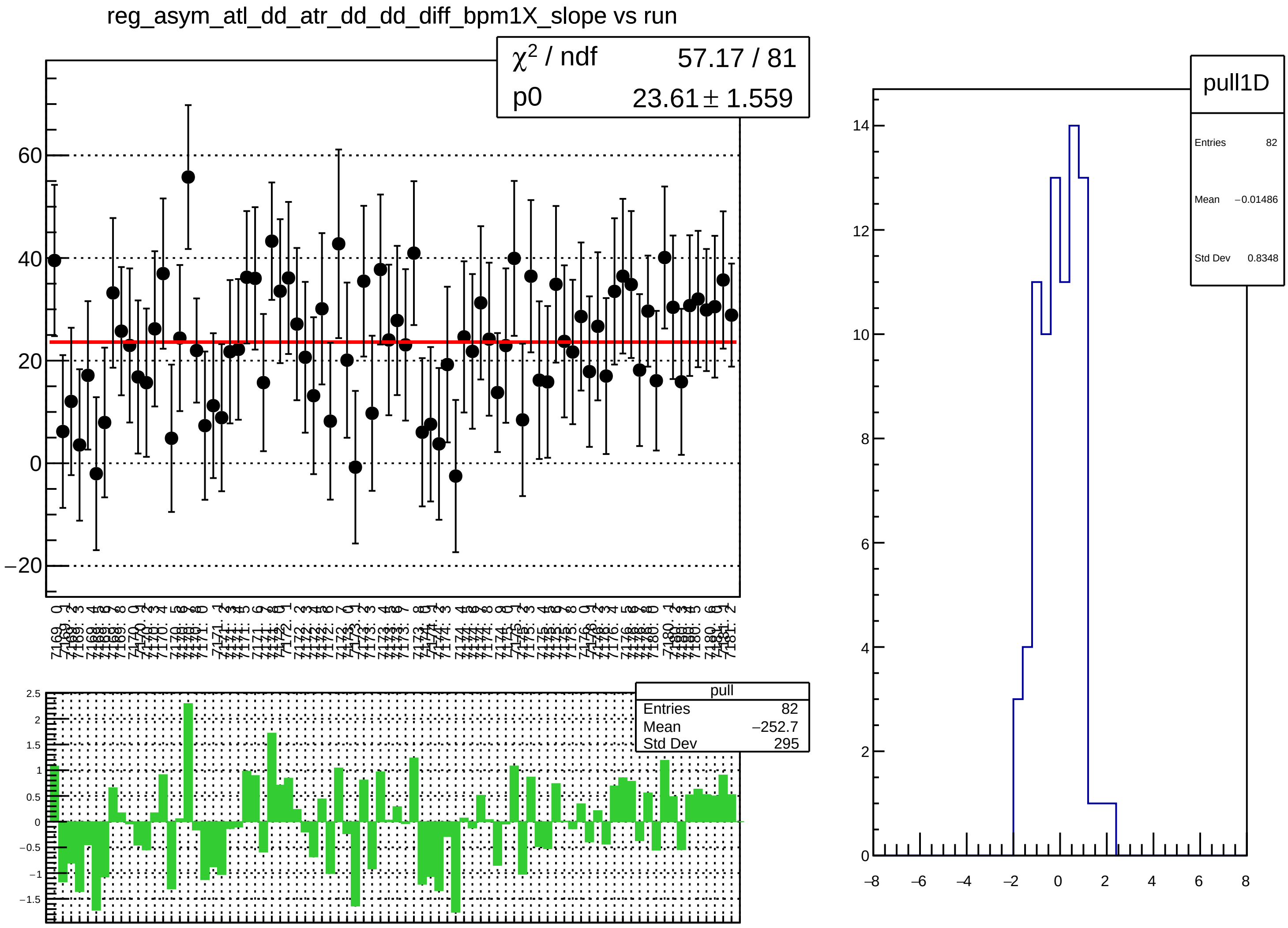


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.689 / 81
p0 −1.14 ± 4.327
pull
Entries 82
Mean −64.7
Std Dev 95.08
pull1D
Entries 82
Mean −0.008804
Std Dev 0.239

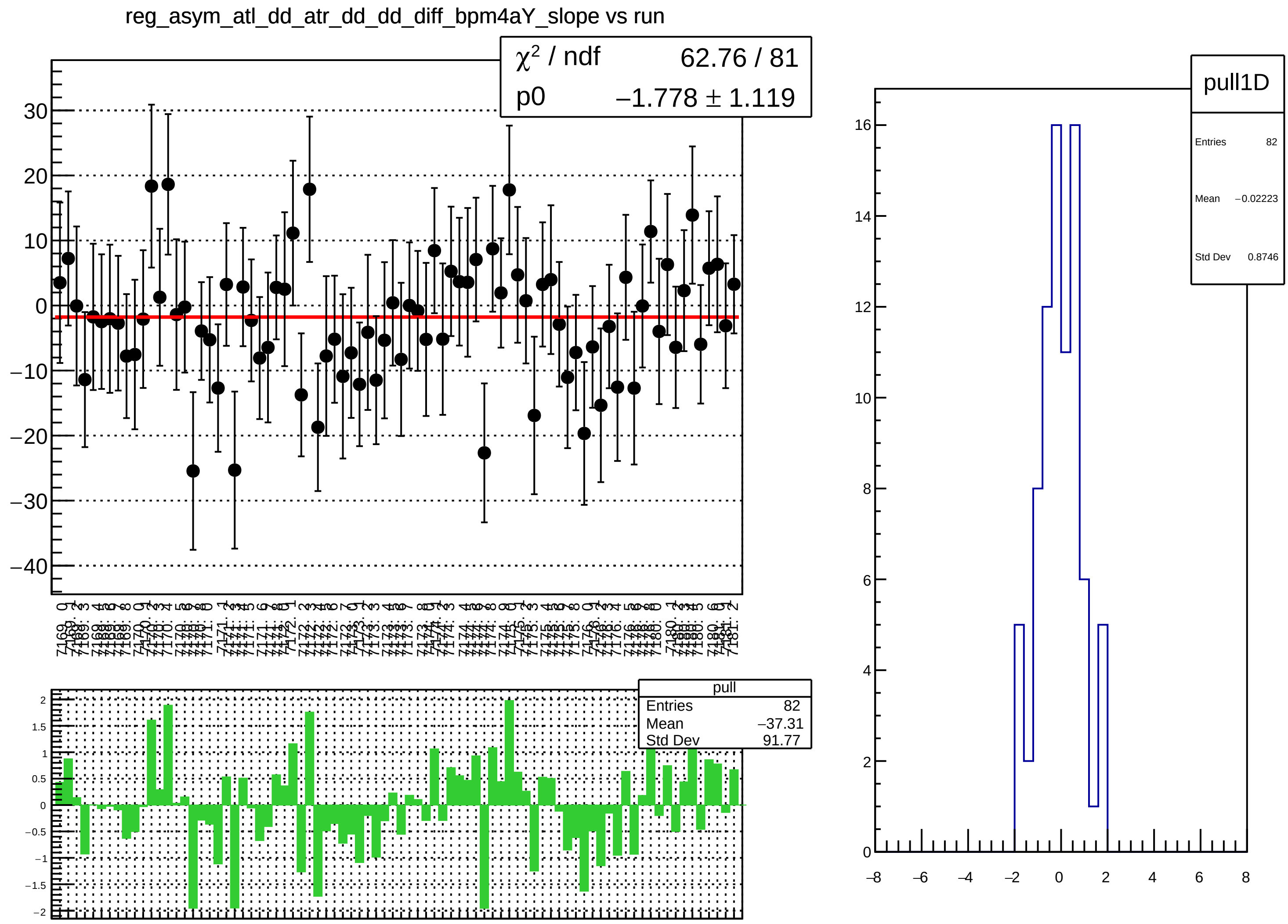

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.452 / 81
p0 −247.9 ± 6.085
pull
Entries 82
Mean −35.18
Std Dev 62.66
pull1D
Entries 82
Mean −0.01832
Std Dev 0.339


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.045 / 81
p0 −72.58 ± 4.832
pull
Entries 82
Mean −58.21
Std Dev 86.54
pull1D
Entries 82
Mean 0.01418
Std Dev 0.2476

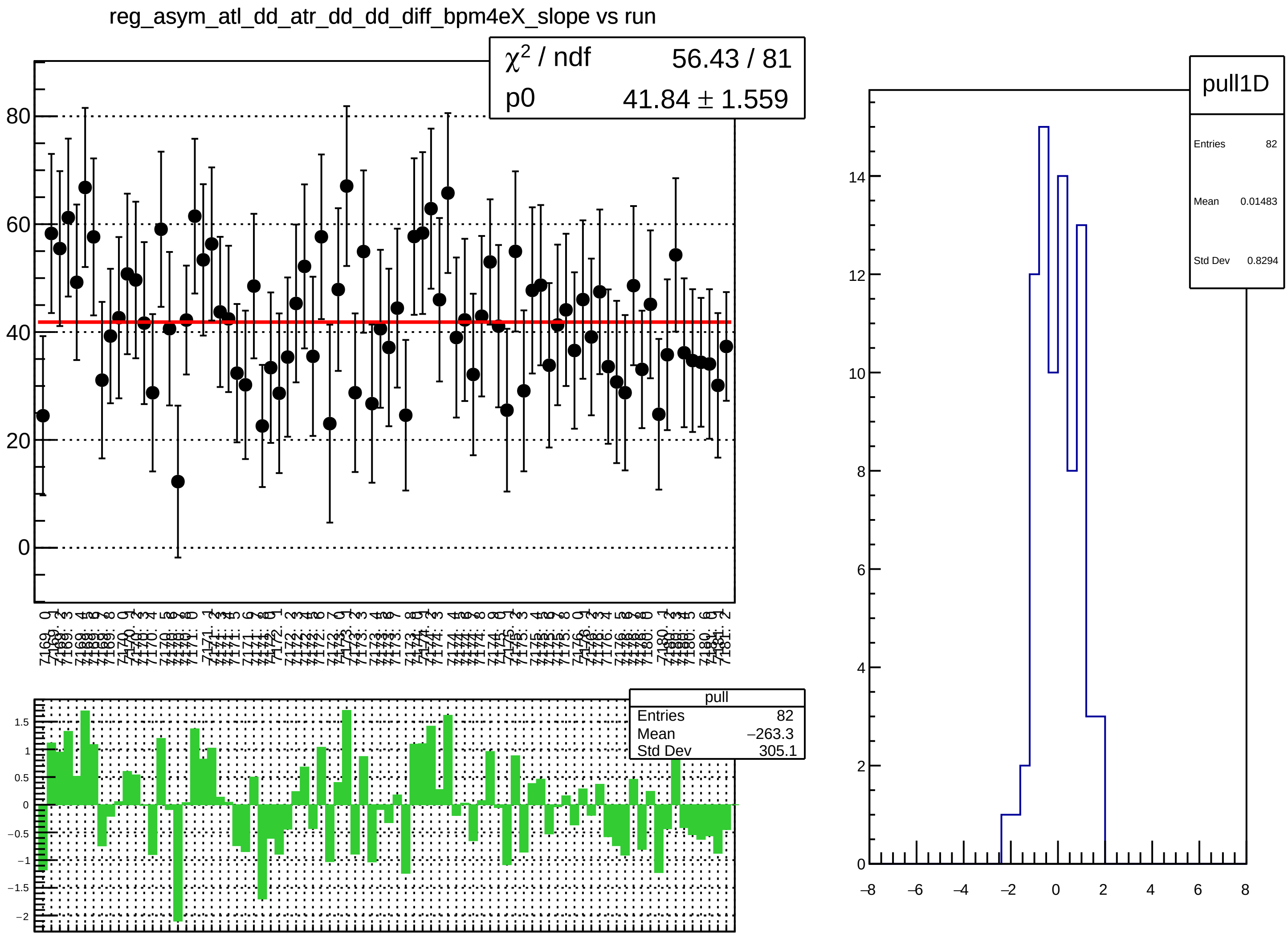

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 10.19 / 81
p0 128.3 ± 0.2278
pull
Entries 82
Mean −73.15
Std Dev 89.39
pull1D
Entries 82
Mean −0.01618
Std Dev 0.3521

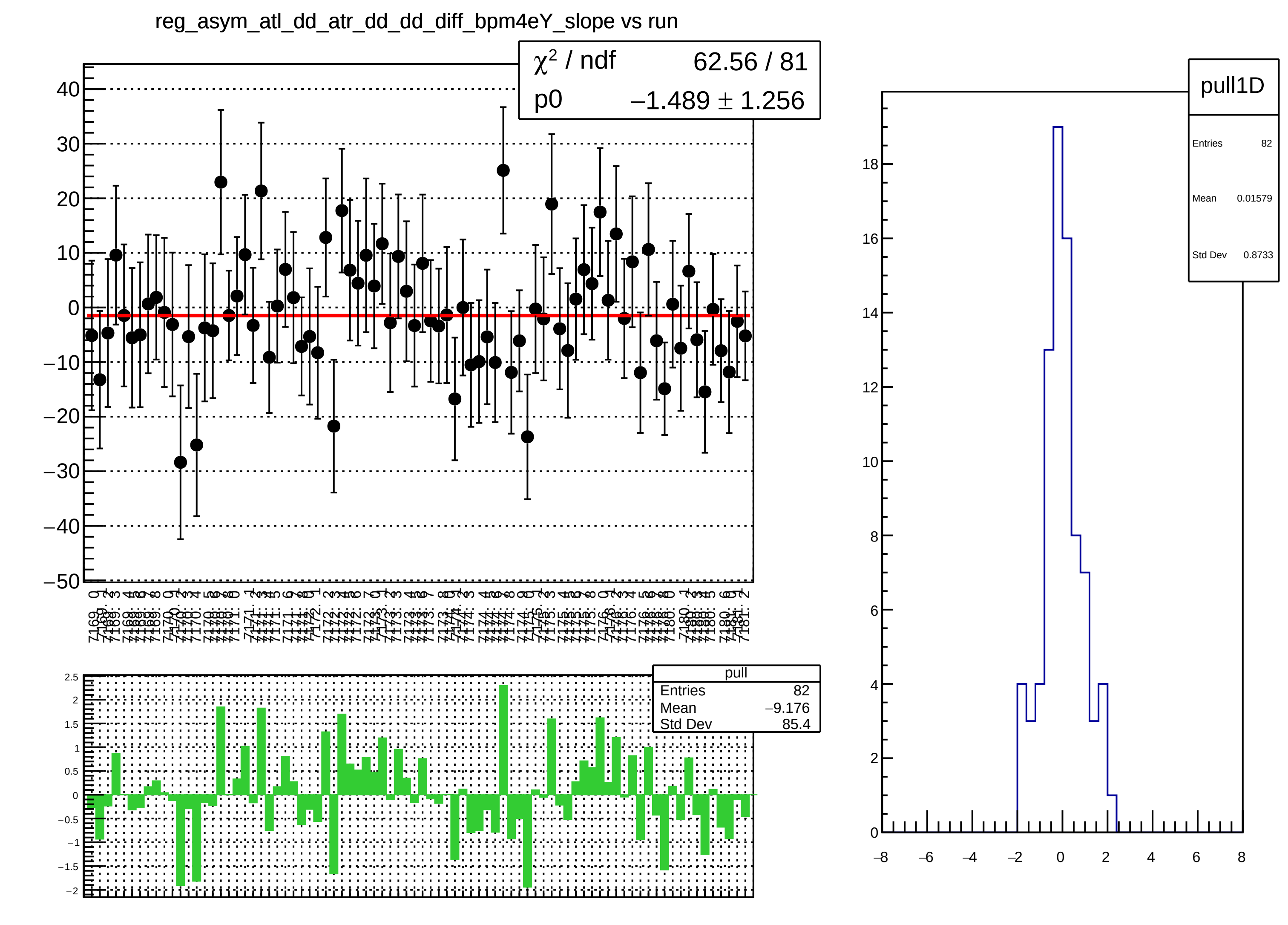


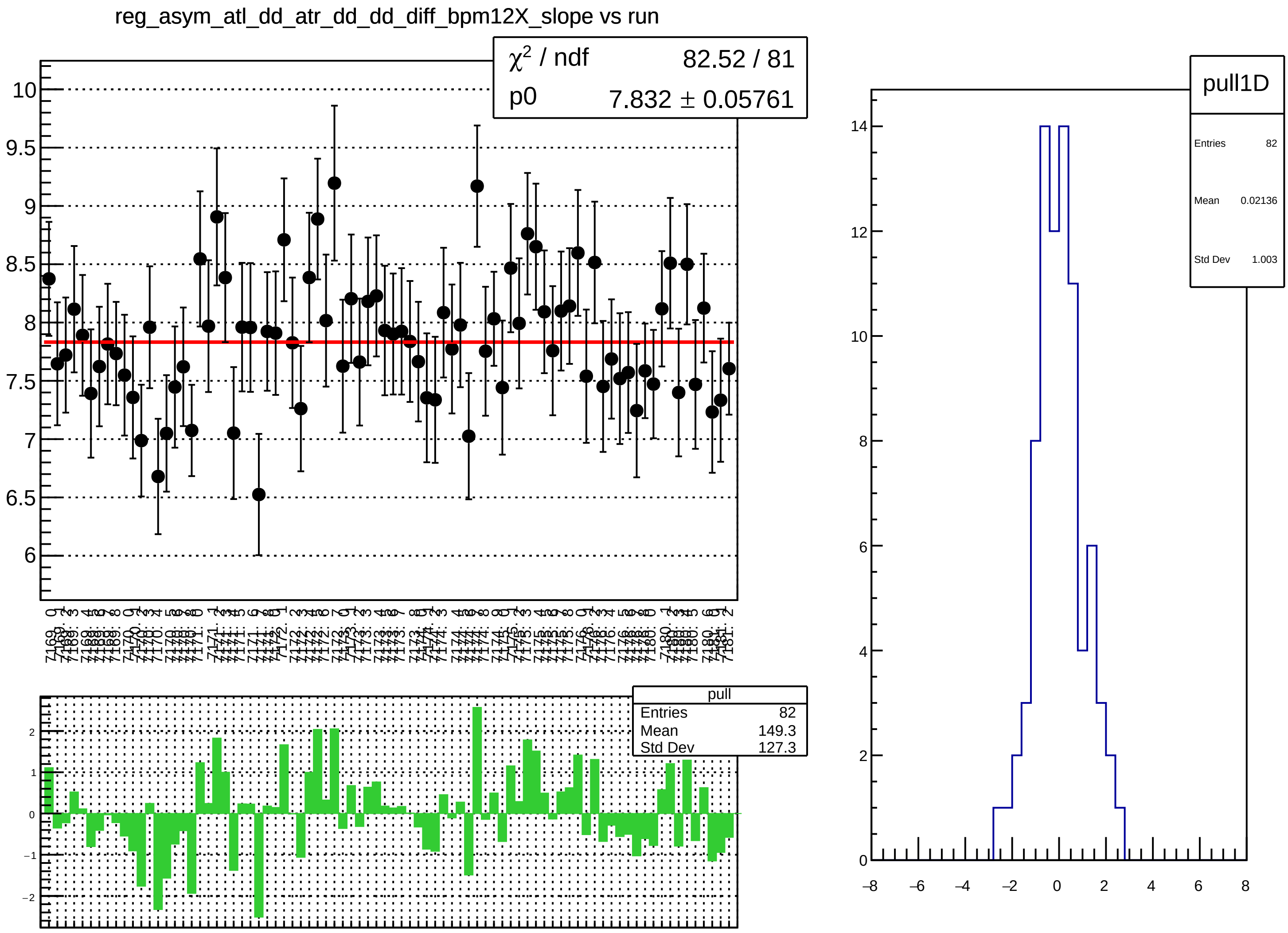
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 57.17 / 81
p0 23.61 ± 1.559
pull
Entries 82
Mean −252.7
Std Dev 295
pull1D
Entries 82
Mean −0.01486
Std Dev 0.8348



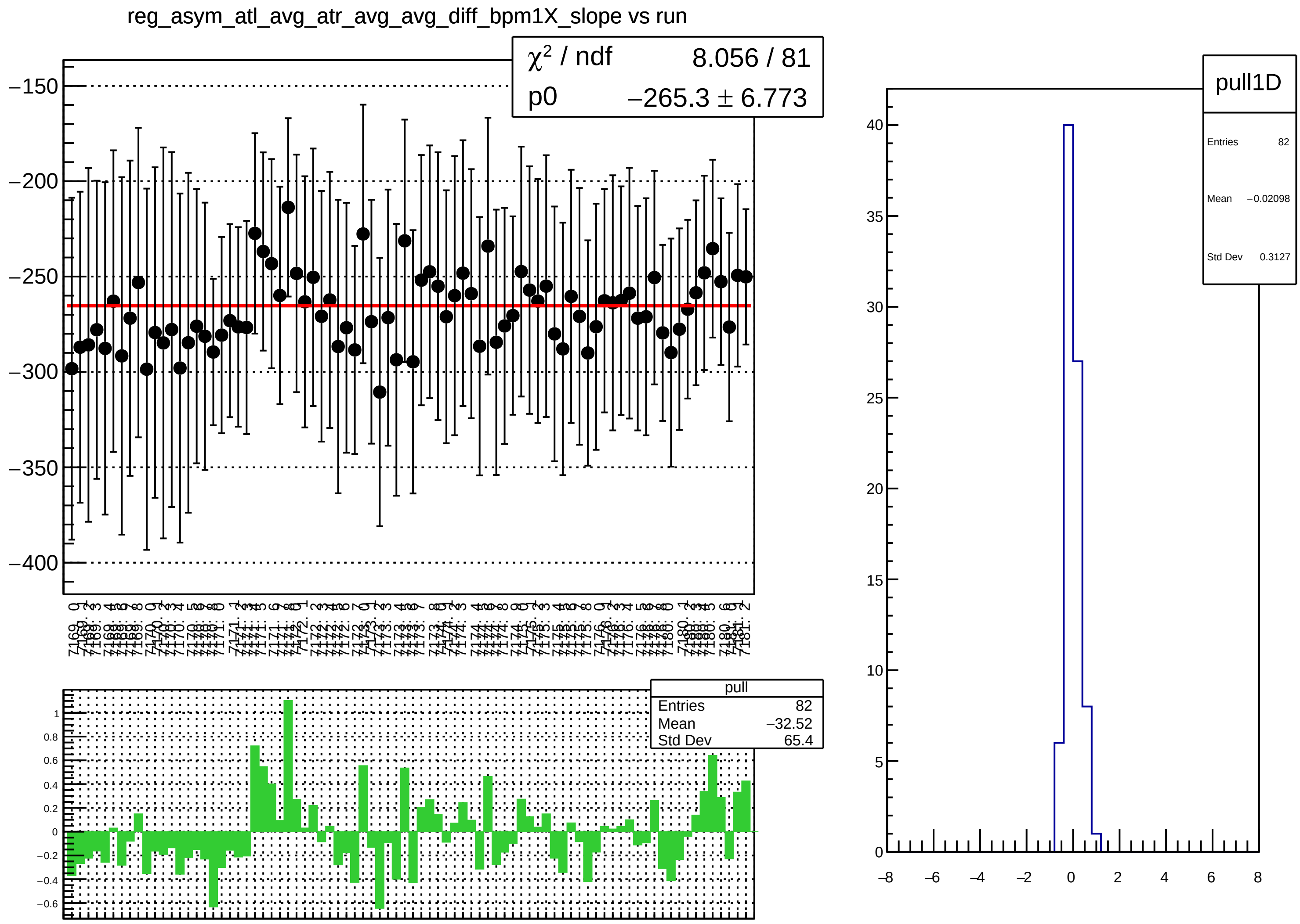
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 62.76 / 81
p0 −1.778 ± 1.119
pull
Entries 82
Mean −37.31
Std Dev 91.77
pull1D
Entries 82
Mean −0.02223
Std Dev 0.8746


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 56.43 / 81
p0 41.84 ± 1.559
pull
Entries 82
Mean −263.3
Std Dev 305.1
pull1D
Entries 82
Mean 0.01483
Std Dev 0.8294

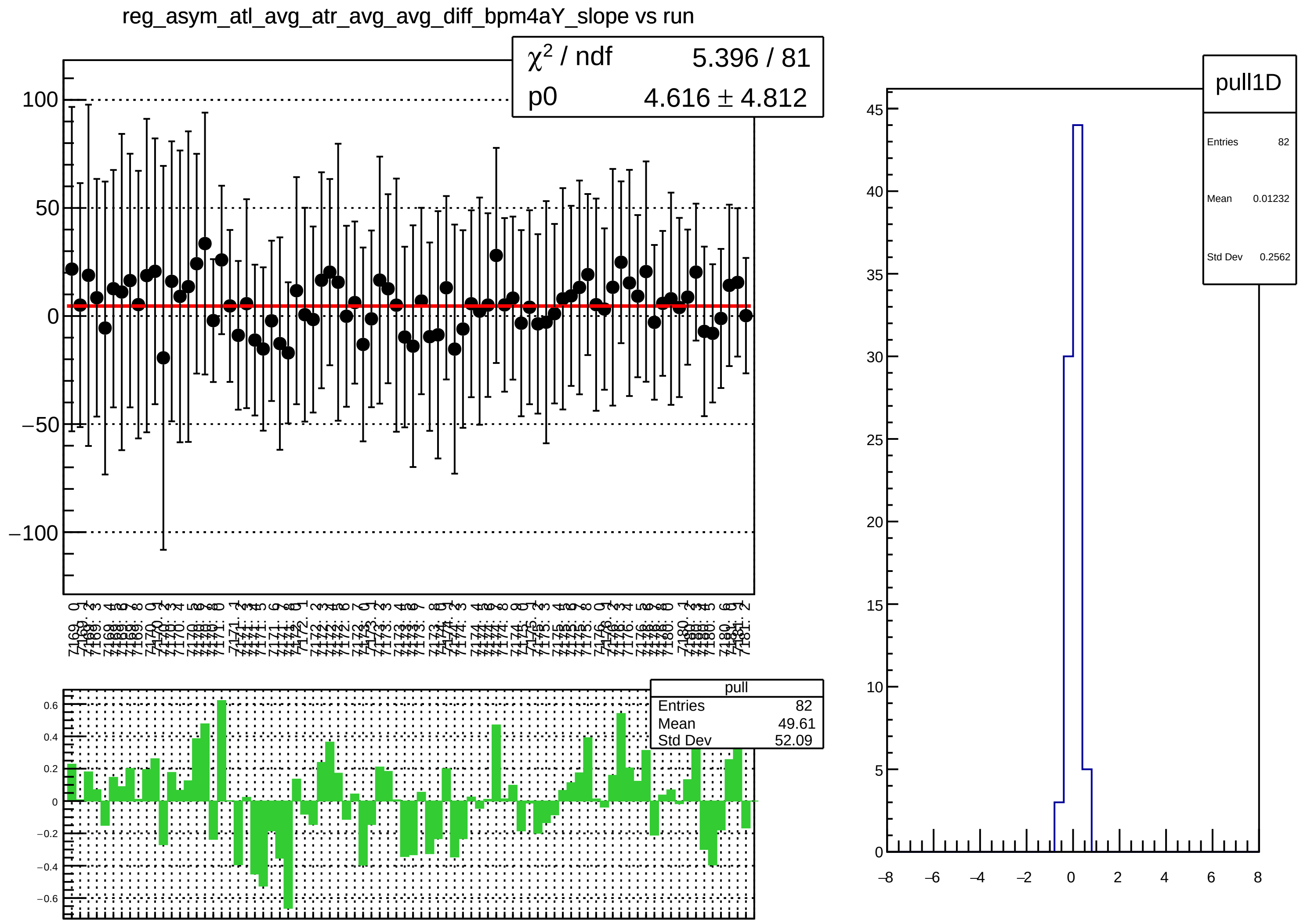

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 62.56 / 81
p0 −1.489 ± 1.256
pull
Entries 82
Mean −9.176
Std Dev 85.4
pull1D
Entries 82
Mean 0.01579
Std Dev 0.8733



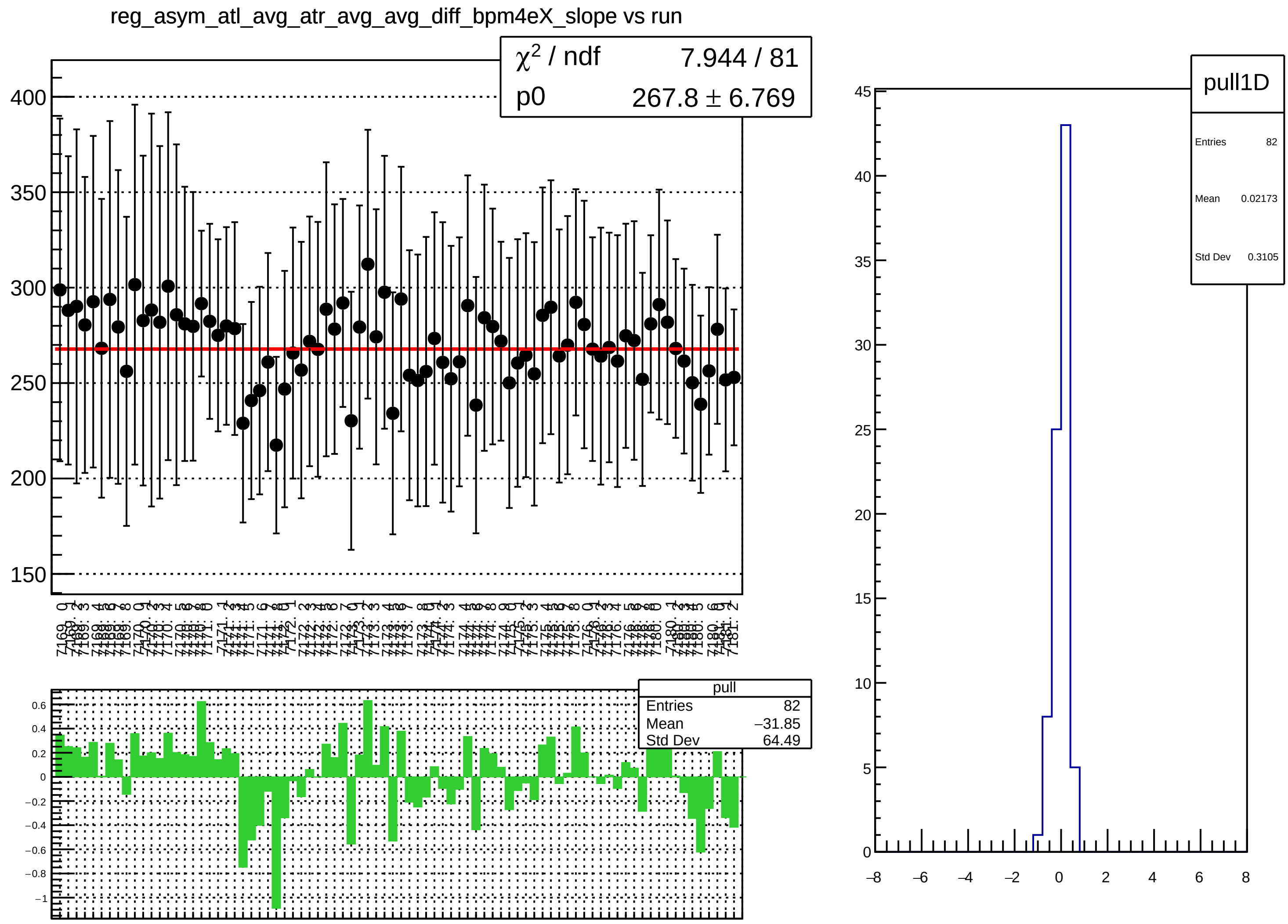
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 82.52 / 81
p0 7.832 ± 0.05761
pull
Entries 82
Mean 149.3
Std Dev 127.3
pull1D
Entries 82
Mean 0.02136
Std Dev 1.003



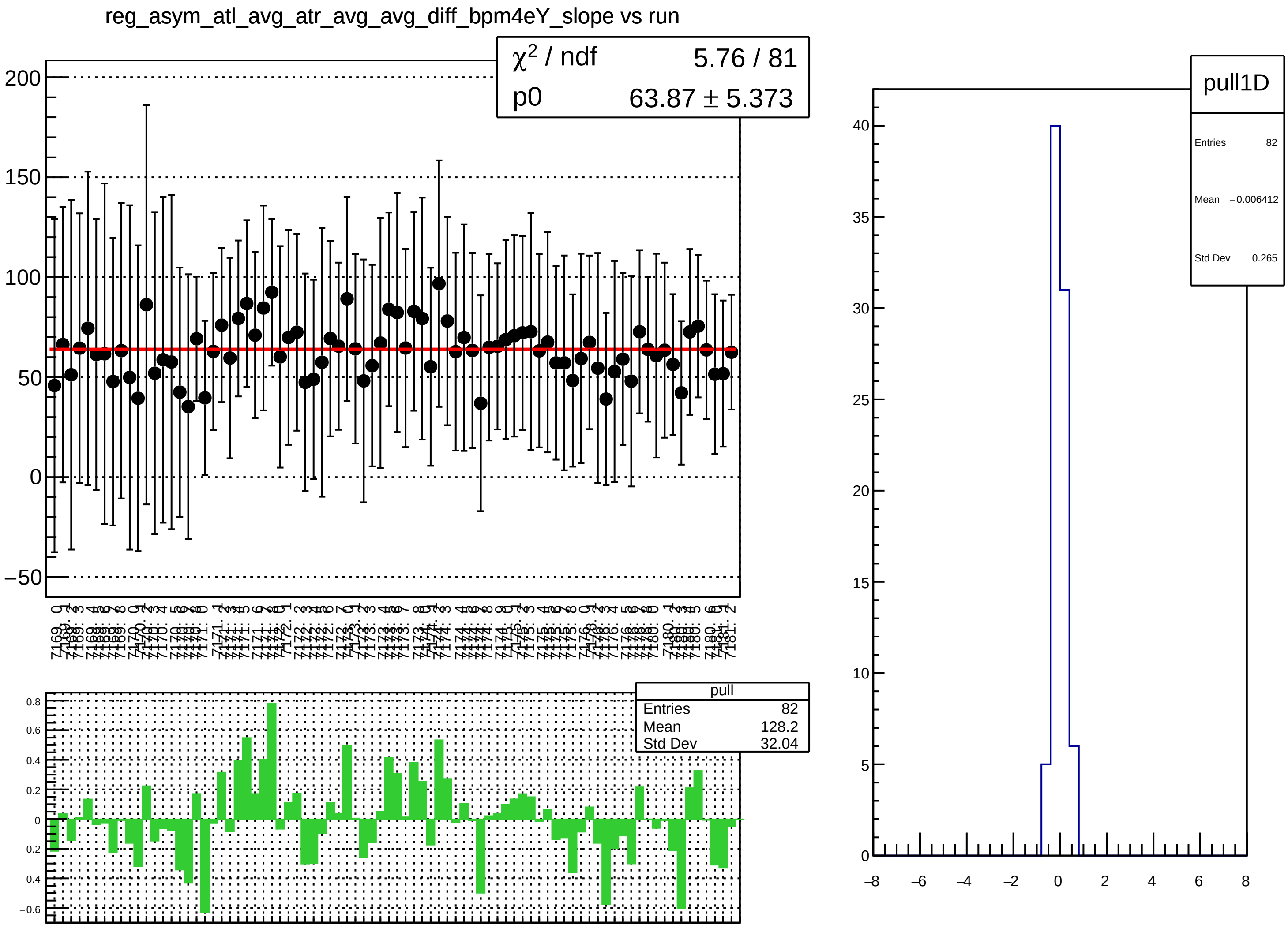
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ2 / ndf 8.056 / 81
p0 −265.3 ± 6.773
pull
Entries 82
Mean −32.52
Std Dev 65.4
pull1D
Entries 82
Mean −0.02098
Std Dev 0.3127



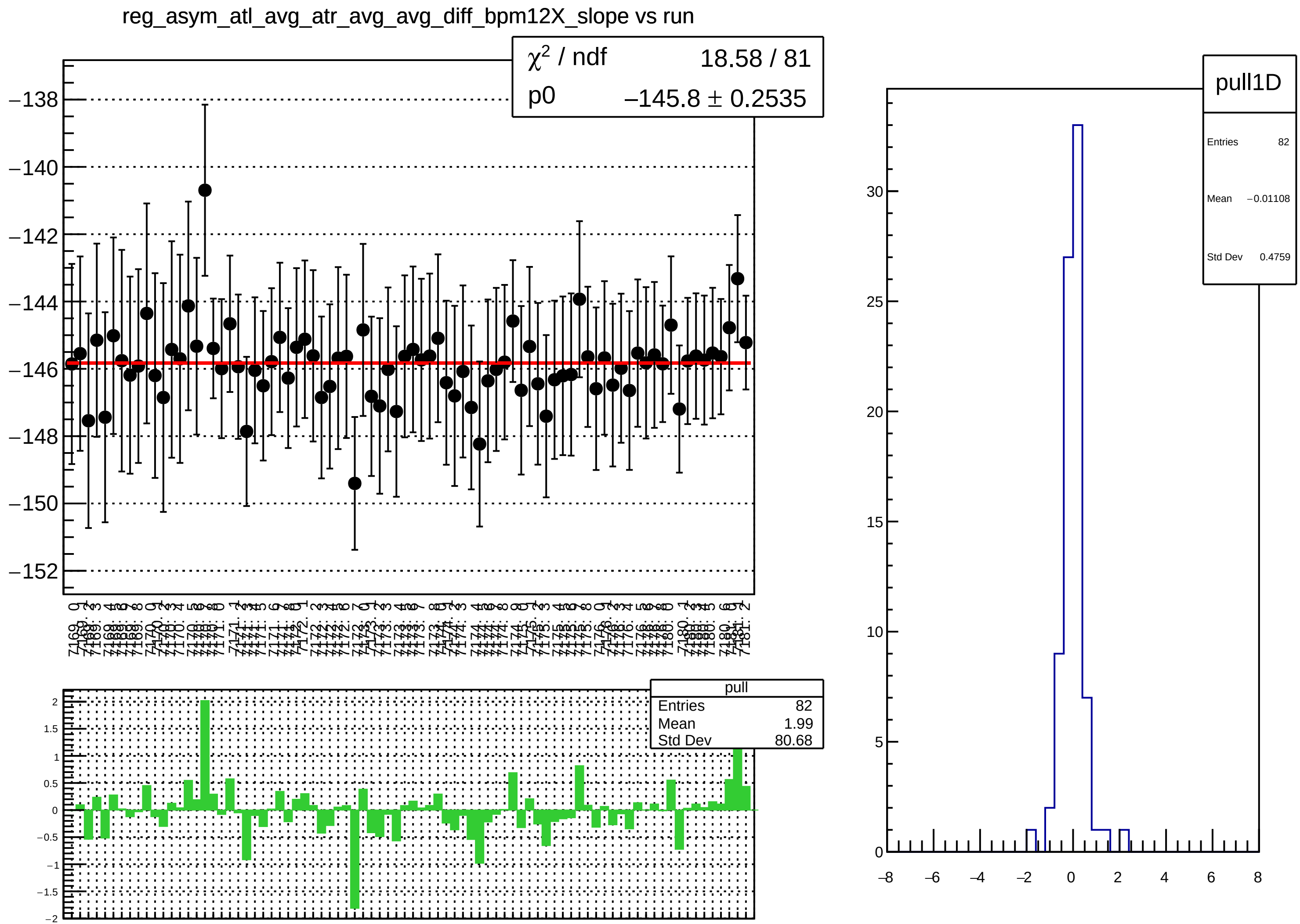
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.396 / 81
p0 4.616 ± 4.812
pull
Entries 82
Mean 49.61
Std Dev 52.09
pull1D
Entries 82
Mean 0.01232
Std Dev 0.2562



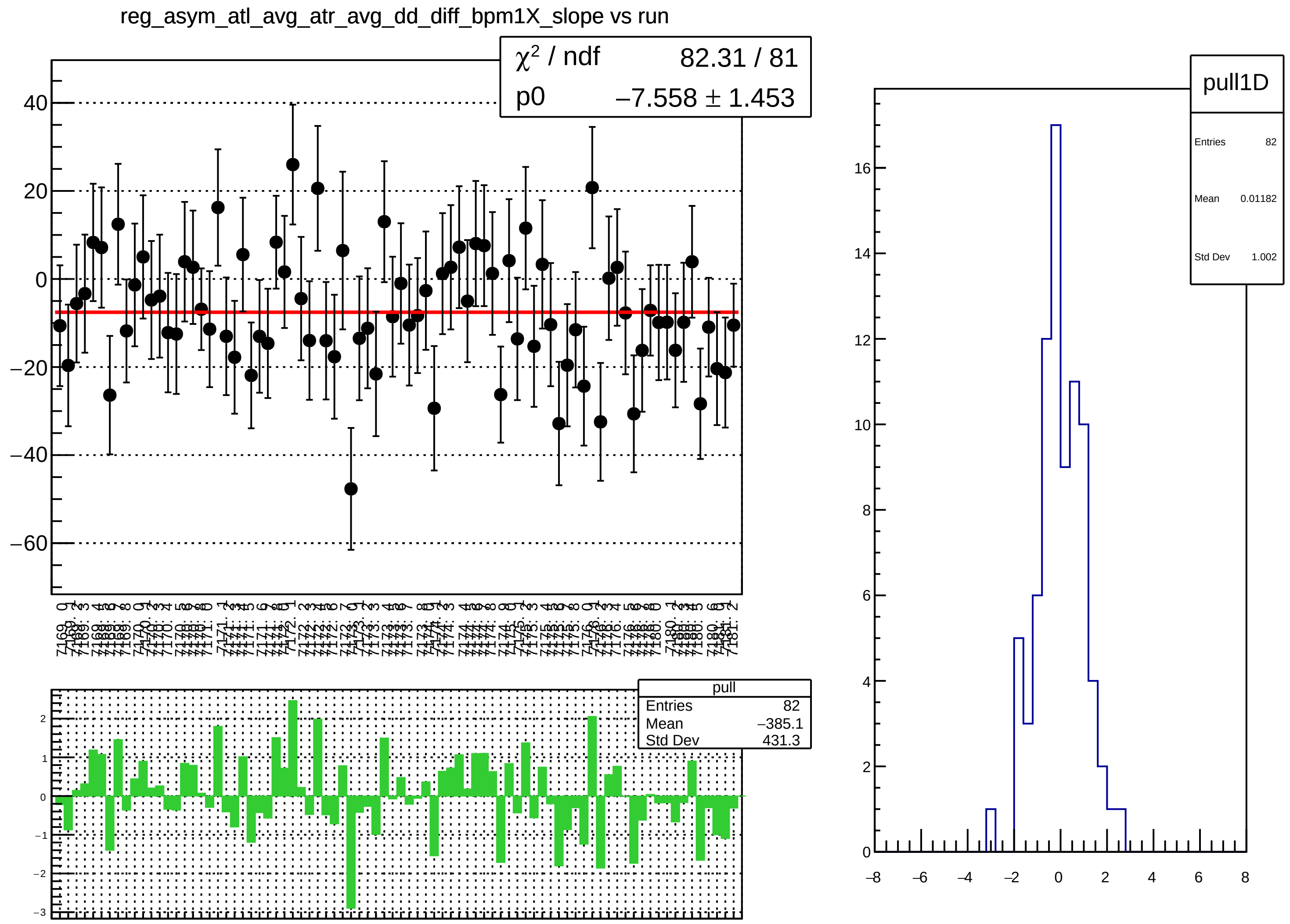
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.944 / 81
p0 267.8 ± 6.769
pull
Entries 82
Mean −31.85
Std Dev 64.49
pull1D
Entries 82
Mean 0.02173
Std Dev 0.3105

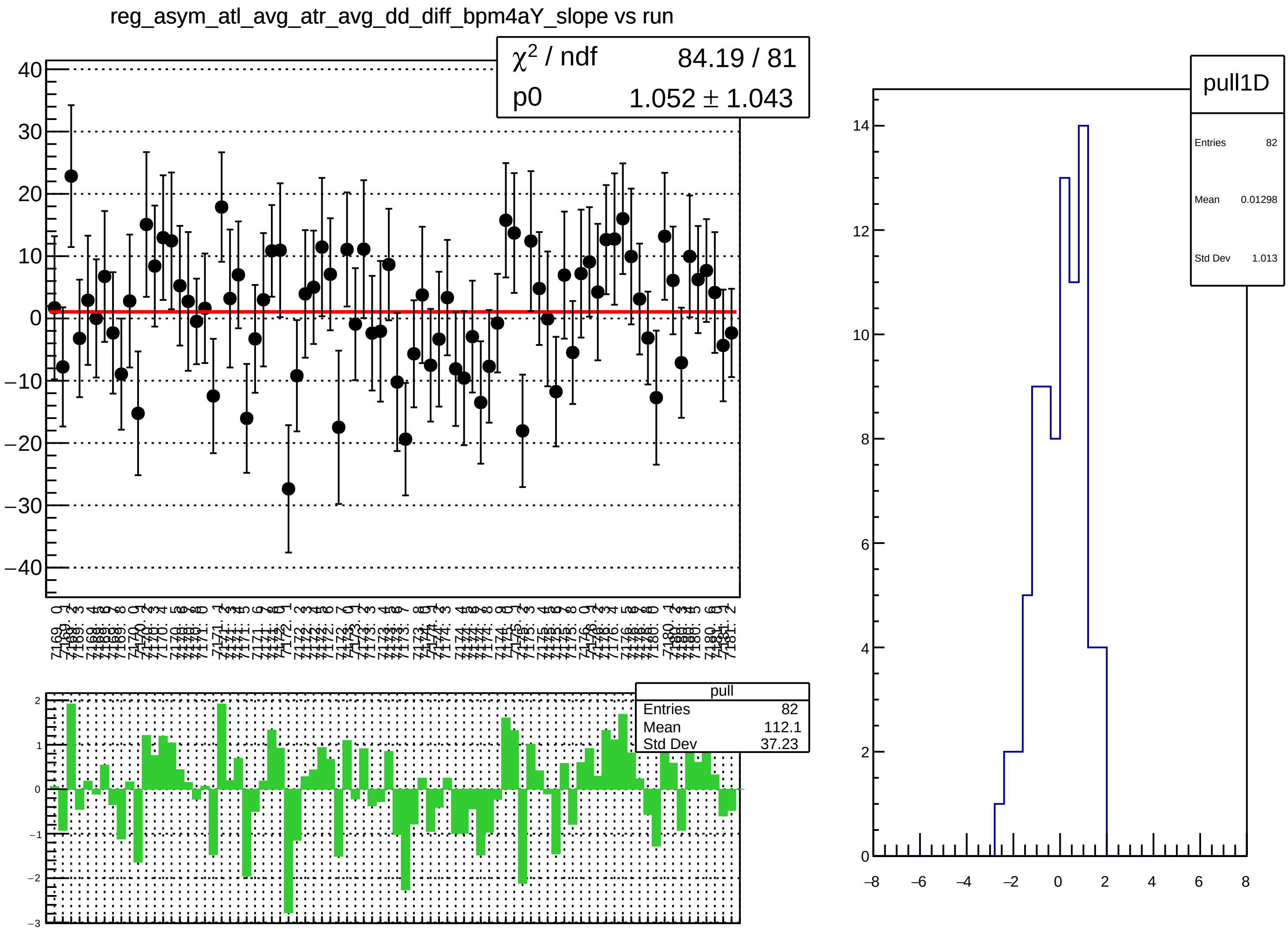


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ2 / ndf 5.76 / 81
p0 63.87 ± 5.373
pull
Entries 82
Mean 128.2
Std Dev 32.04
pull1D
Entries 82
Mean −0.006412
Std Dev 0.265

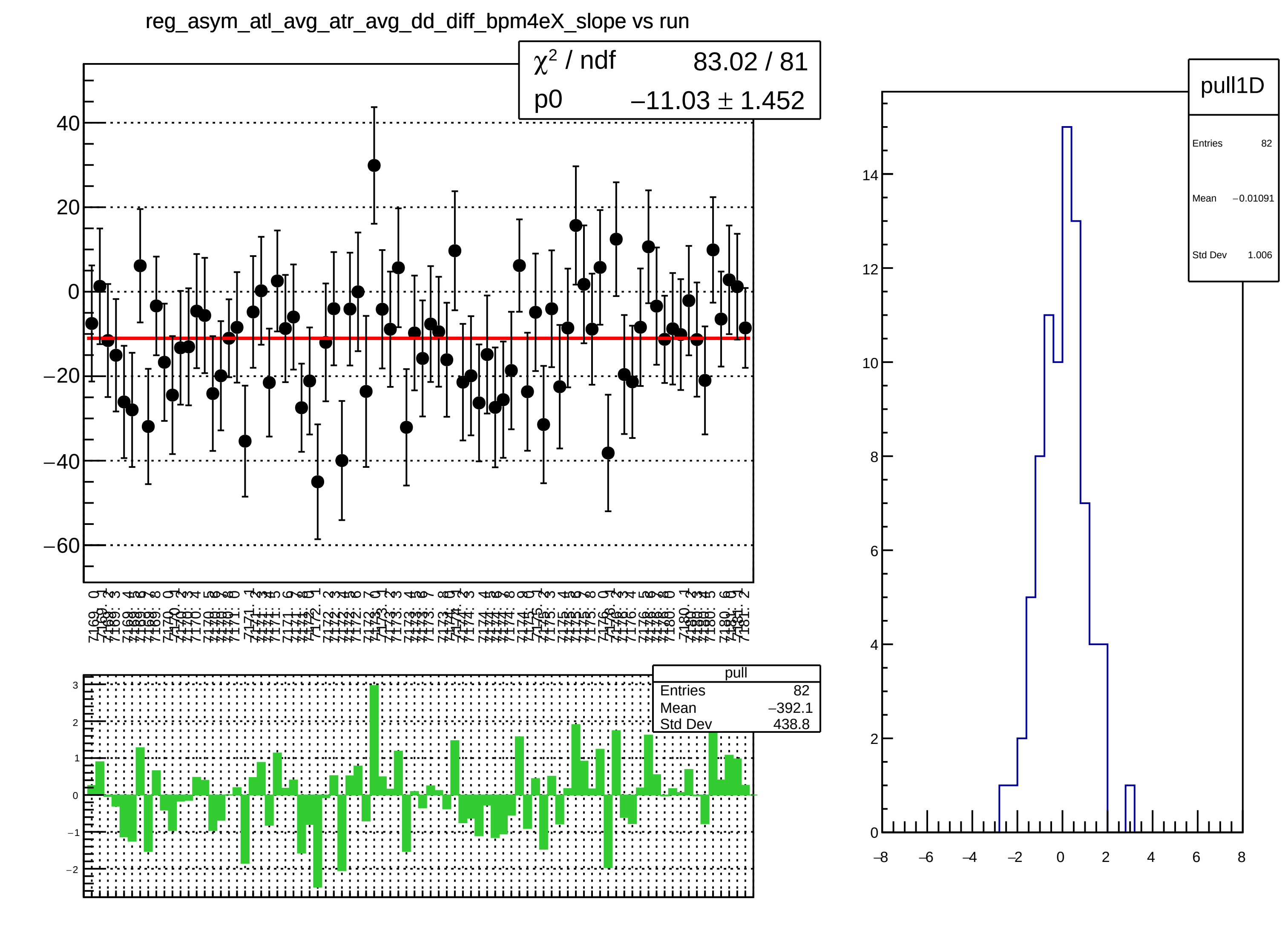


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 18.58 / 81
p0 −145.8 ± 0.2535
pull
Entries 82
Mean 1.99
Std Dev 80.68
pull1D
Entries 82
Mean −0.01108
Std Dev 0.4759

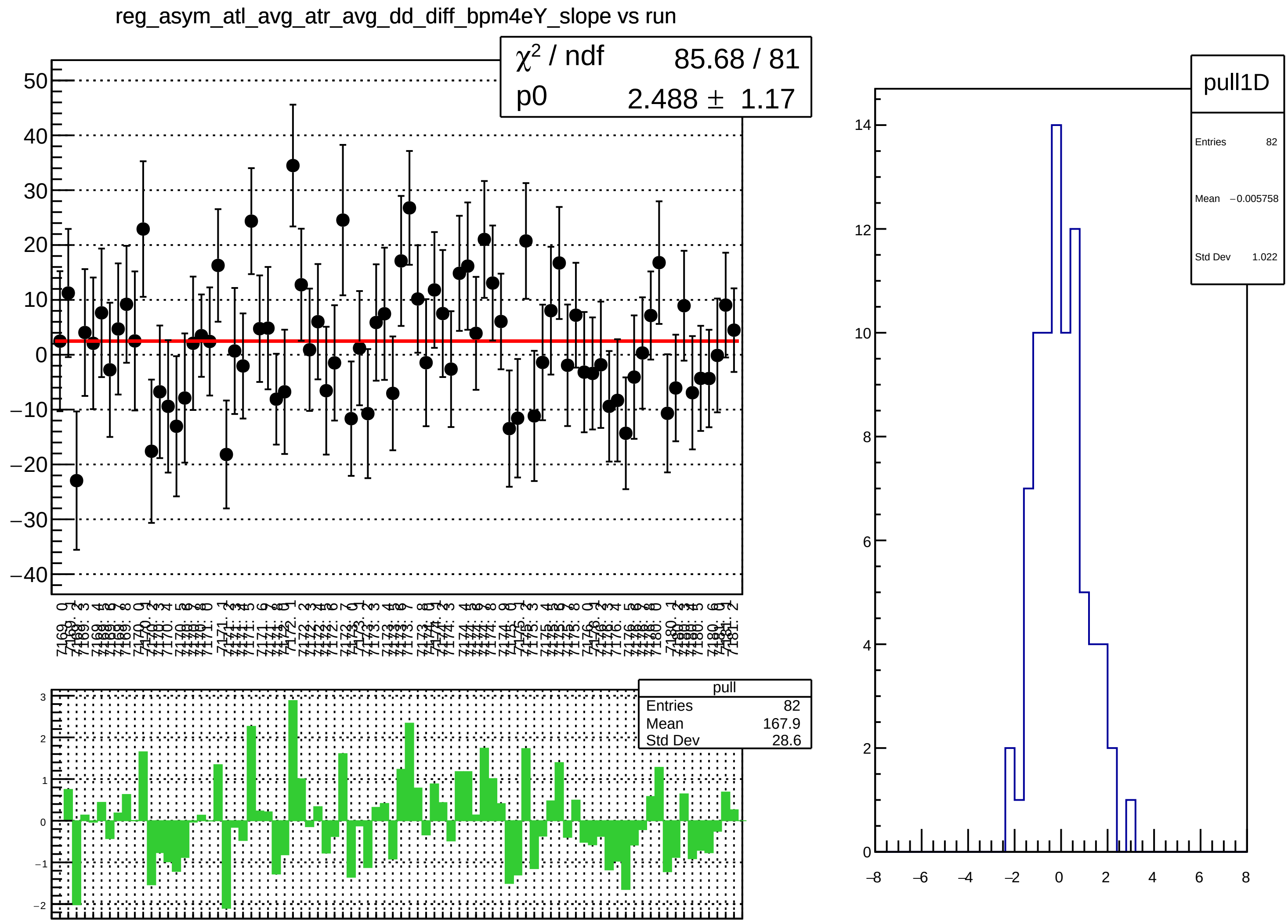

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 82.31 / 81
p0 −7.558 ± 1.453
pull
Entries 82
Mean −385.1
Std Dev 431.3
pull1D
Entries 82
Mean 0.01182
Std Dev 1.002



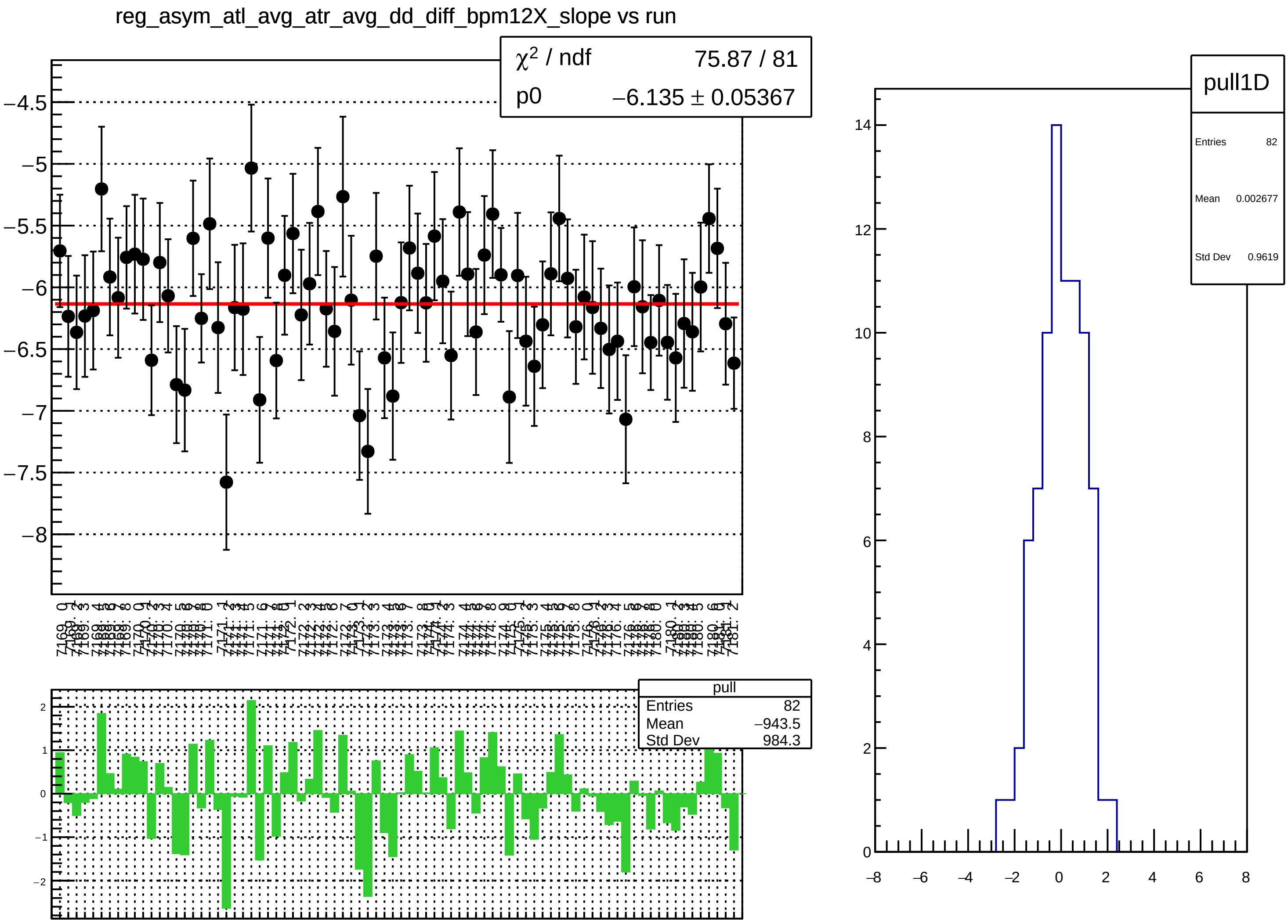
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 84.19 / 81
p0 1.052 ± 1.043
pull
Entries 82
Mean 112.1
Std Dev 37.23
pull1D
Entries 82
Mean 0.01298
Std Dev 1.013

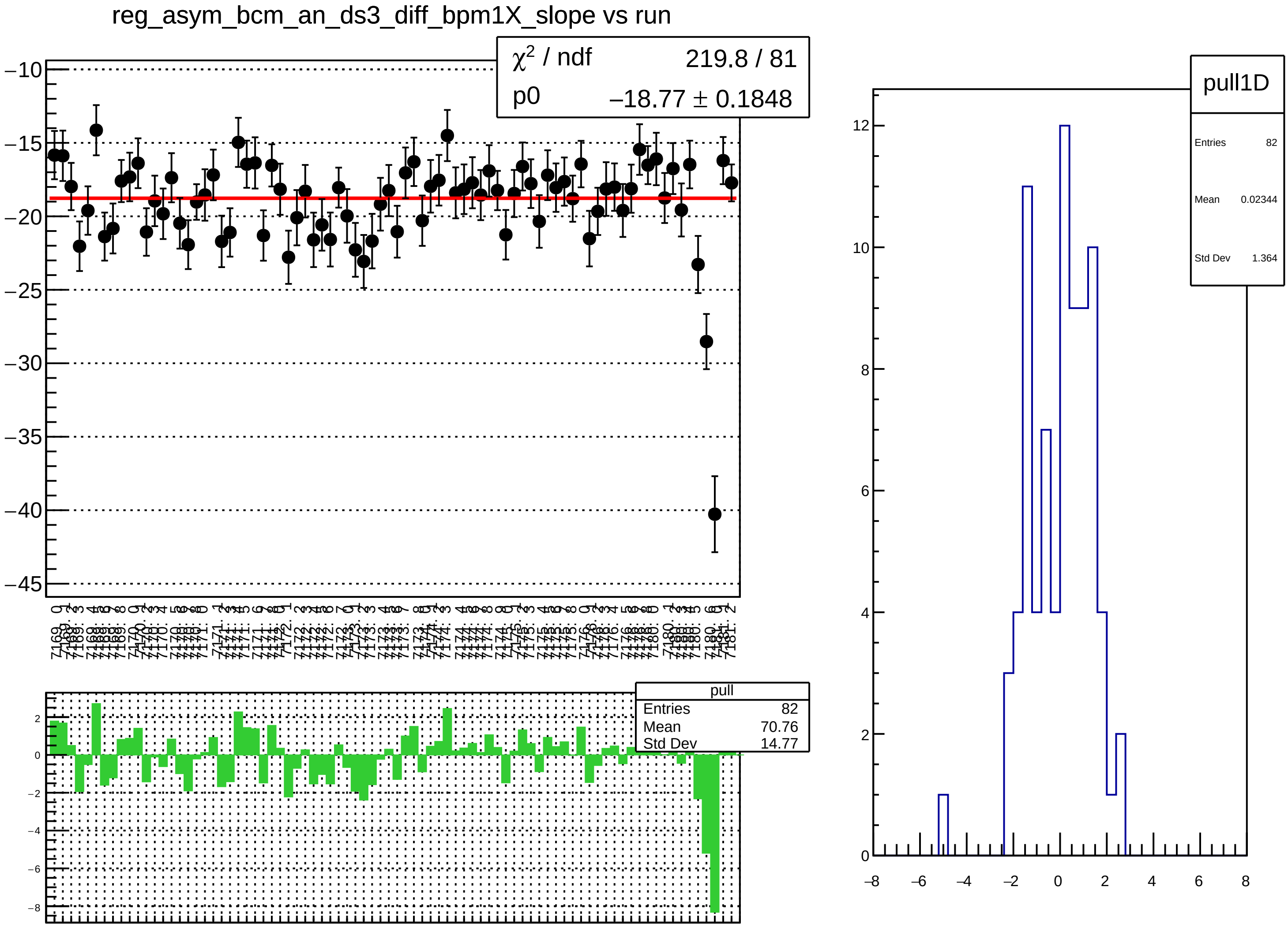


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 83.02 / 81
p0 −11.03 ± 1.452
pull
Entries 82
Mean −392.1
Std Dev 438.8
pull1D
Entries 82
Mean −0.01091
Std Dev 1.006

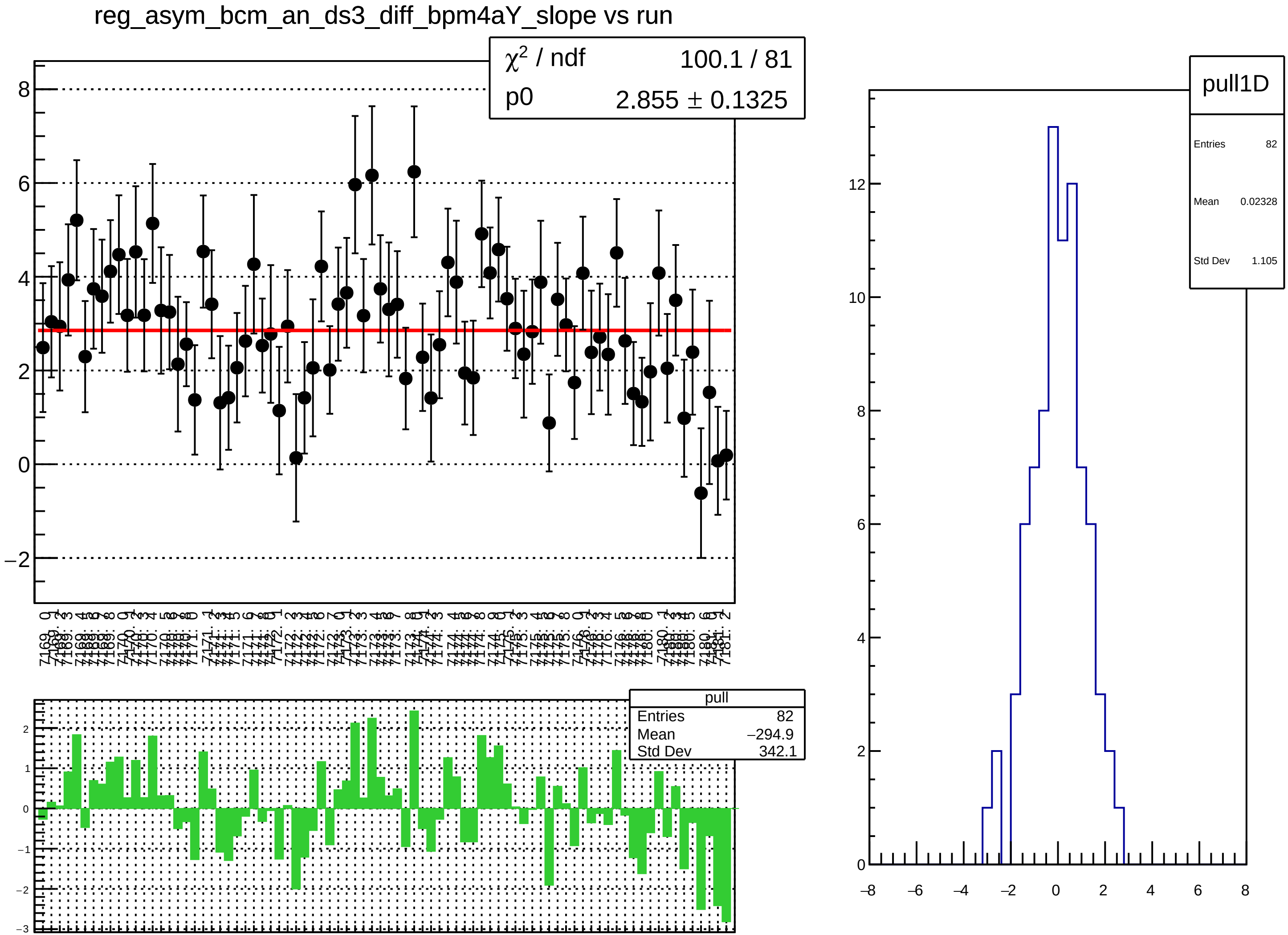


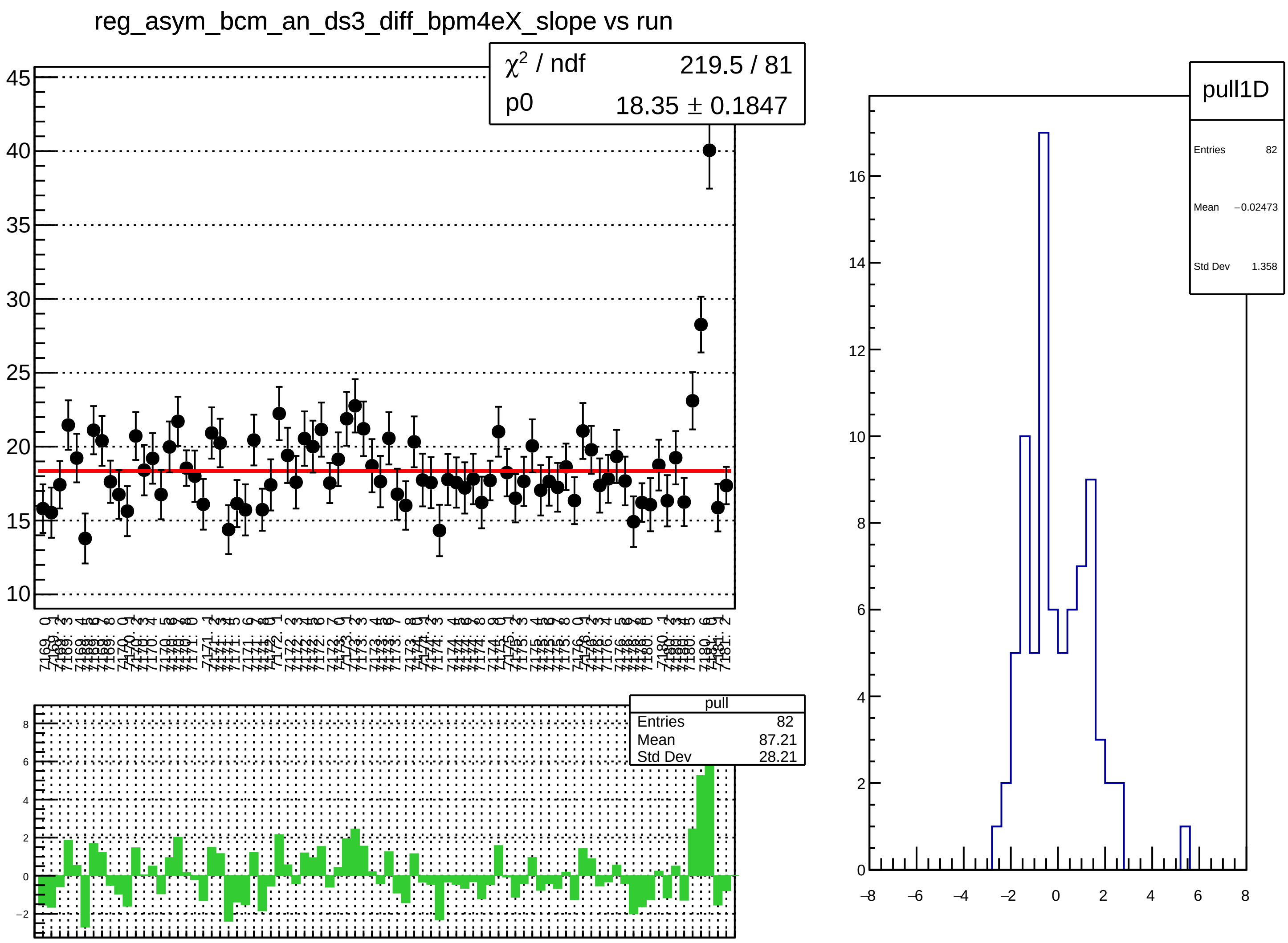
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 85.68 / 81
p0 2.488 ± 1.17
pull
Entries 82
Mean 167.9
Std Dev 28.6
pull1D
Entries 82
Mean −0.005758
Std Dev 1.022

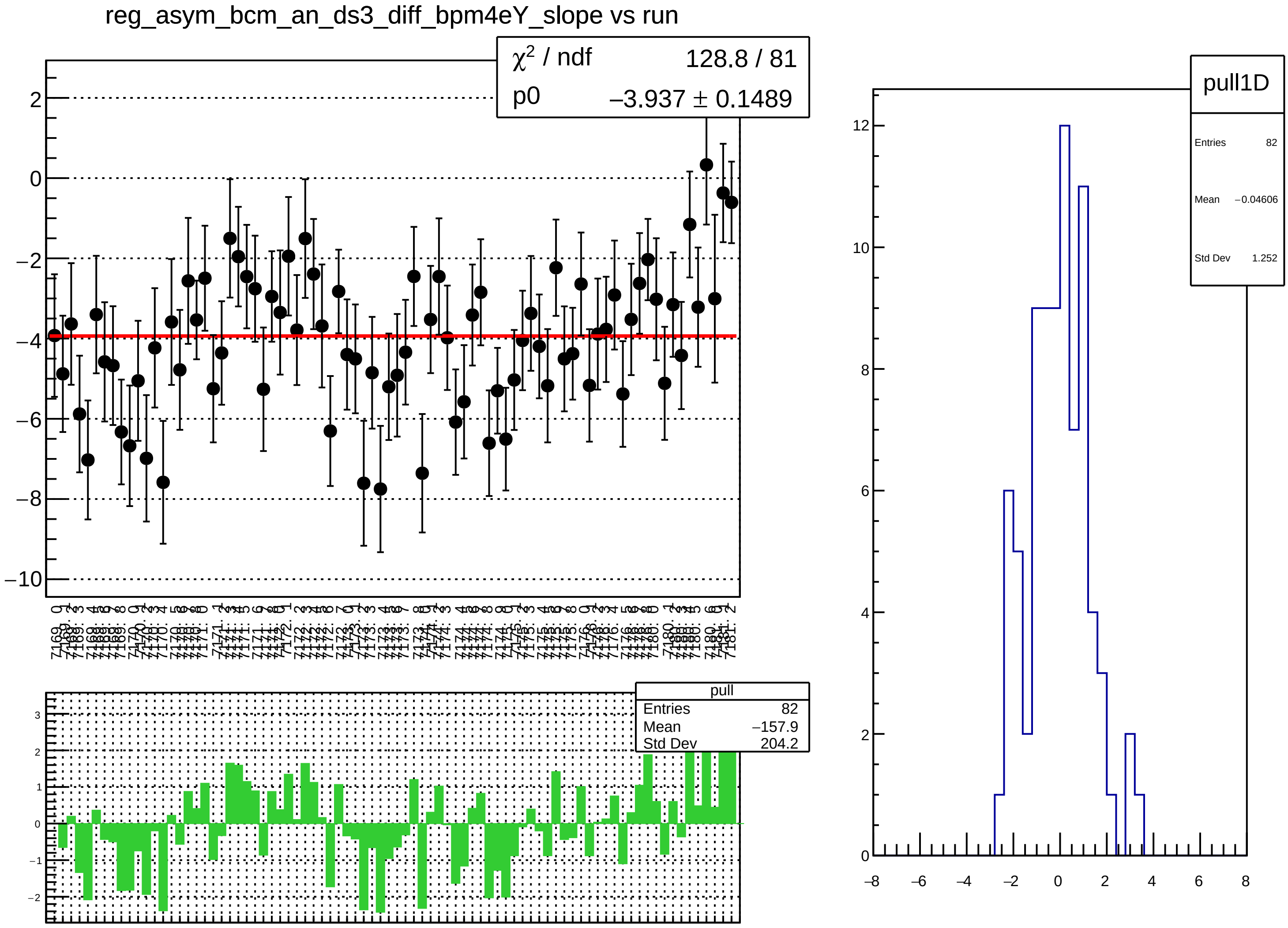

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ2 / ndf 75.87 / 81
p0 −6.135 ± 0.05367
pull
Entries 82
Mean −943.5
Std Dev 984.3
pull1D
Entries 82
Mean 0.002677
Std Dev 0.9619

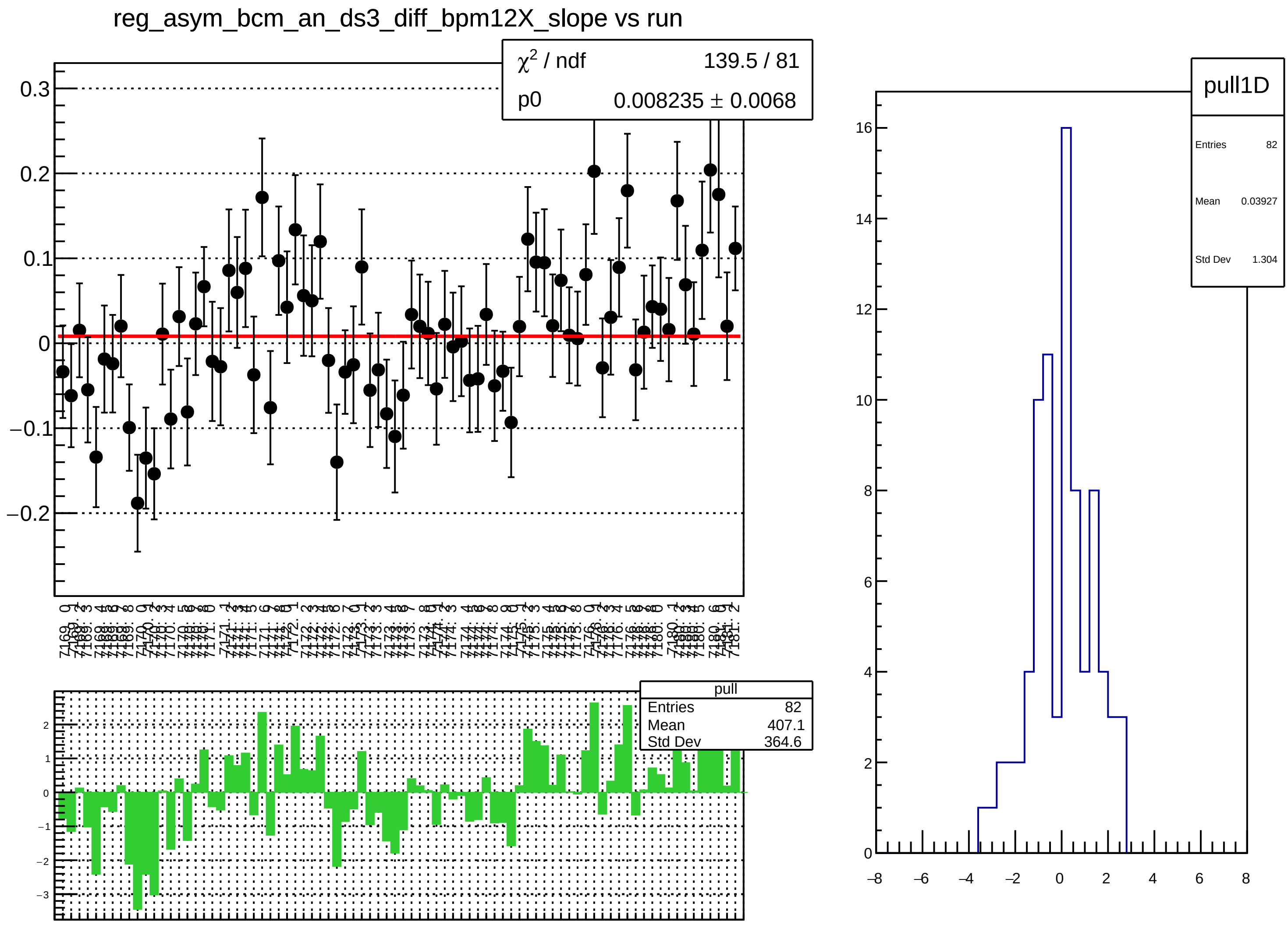


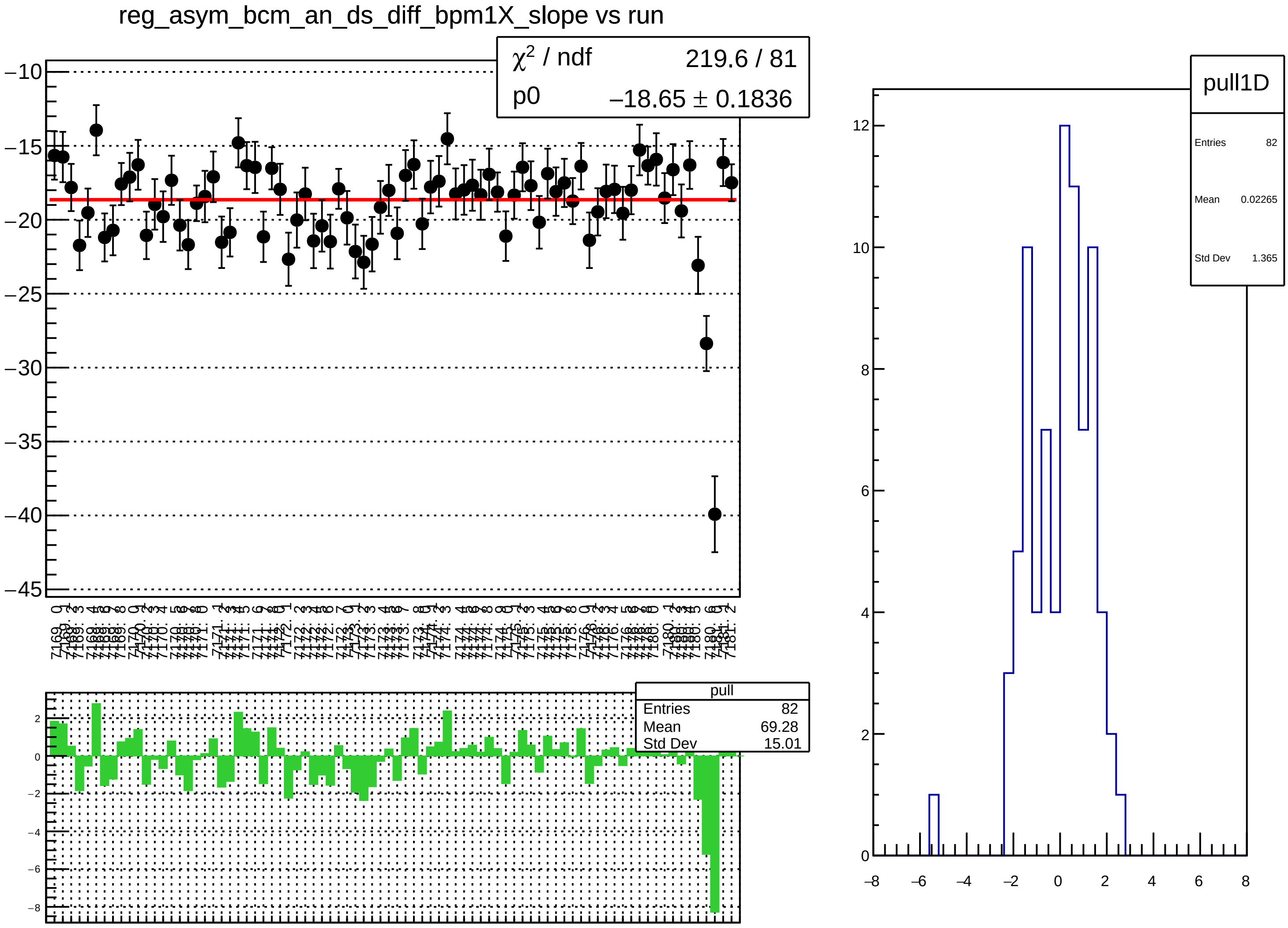
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ2 / ndf 219.8 / 81
p0 −18.77 ± 0.1848
pull1D
Entries 82
Mean 0.02344
Std Dev 1.364
pull
Entries 82
Mean 70.76
Std Dev 14.77


reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 100.1 / 81
p0 2.855 ± 0.1325
pull
Entries 82
Mean −294.9
Std Dev 342.1
pull1D
Entries 82
Mean 0.02328
Std Dev 1.105

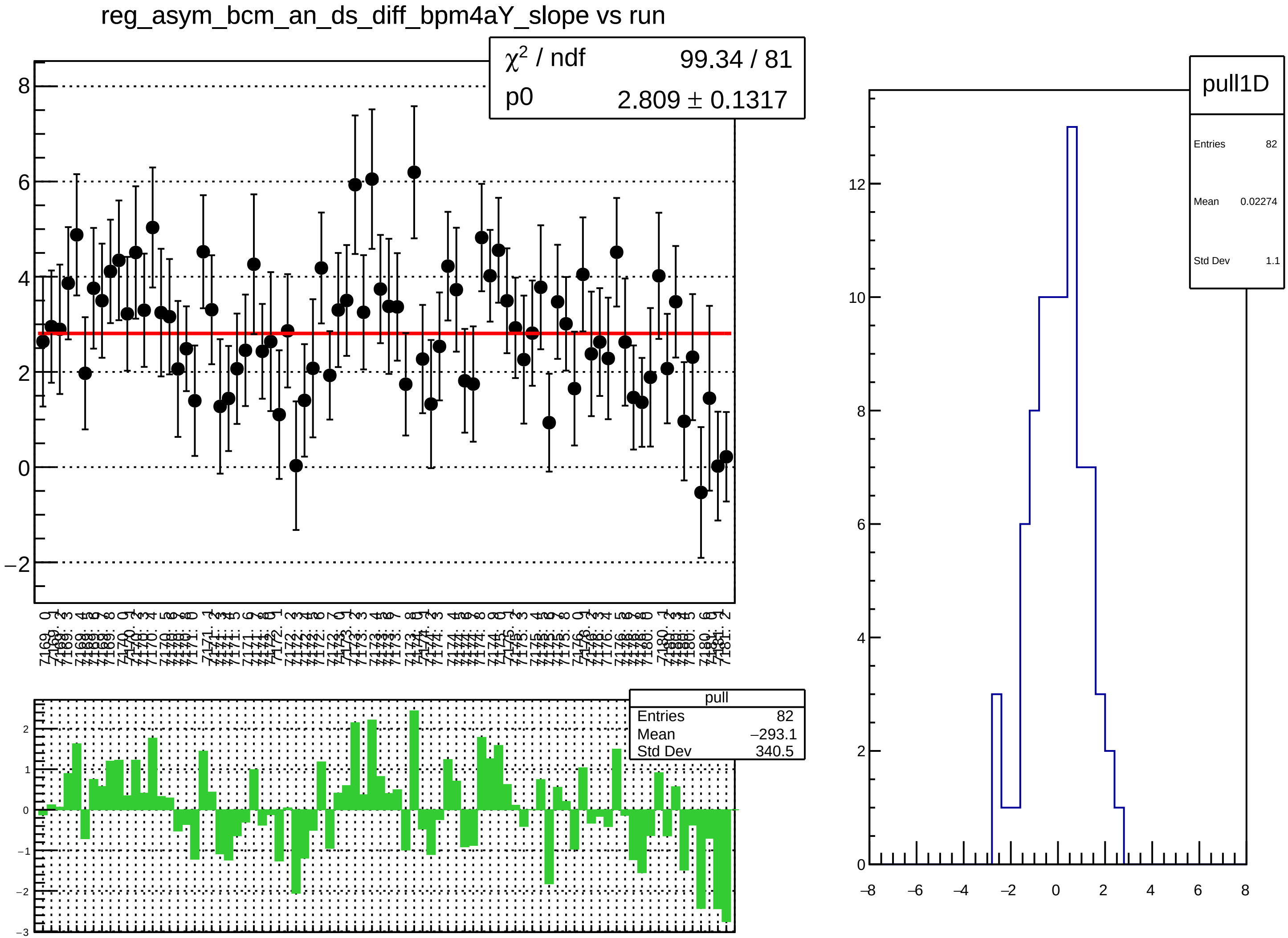

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ2 / ndf 219.5 / 81
p0 18.35 ± 0.1847
pull
Entries 82
Mean 87.21
Std Dev 28.21
pull1D
Entries 82
Mean −0.02473
Std Dev 1.358


reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 128.8 / 81
p0 −3.937 ± 0.1489
pull
Entries 82
Mean −157.9
Std Dev 204.2
pull1D
Entries 82
Mean −0.04606
Std Dev 1.252

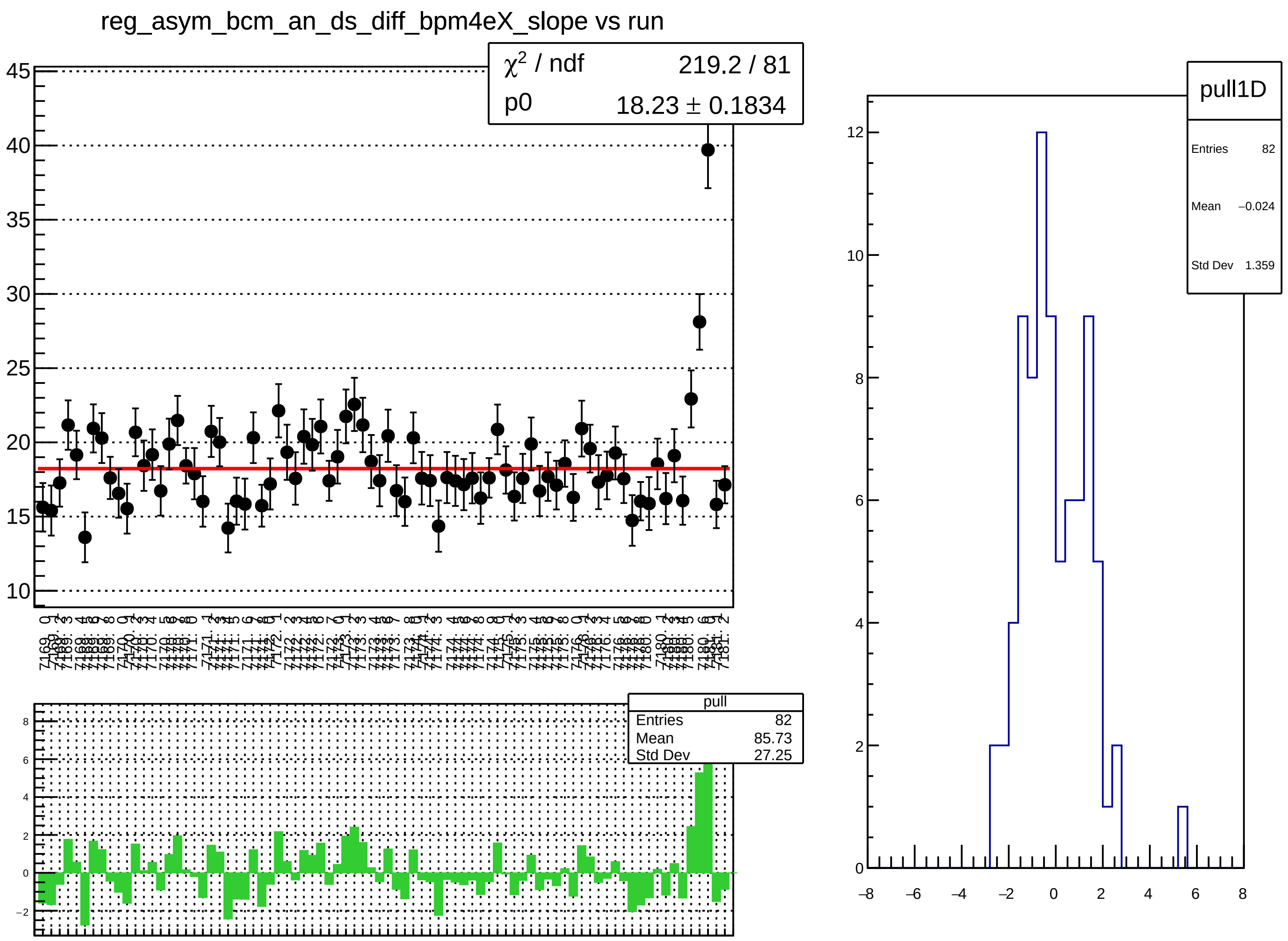

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ2 / ndf 139.5 / 81
p0 0.008235 ± 0.0068
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 82
Mean 407.1
Std Dev 364.6
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.03927
Std Dev 1.304
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



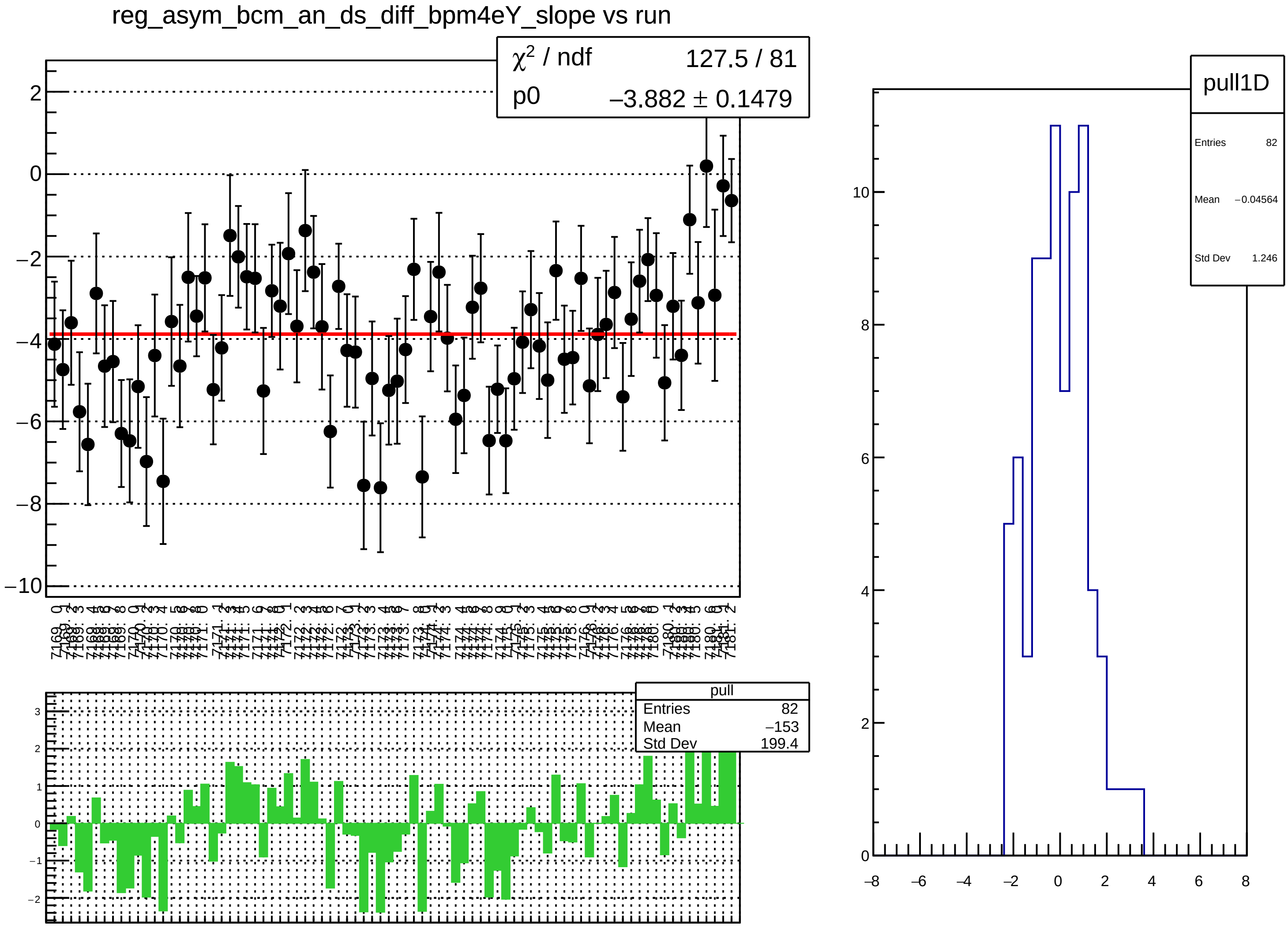
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 219.6 / 81
p0 −18.65 ± 0.1836
pull
Entries 82
Mean 69.28
Std Dev 15.01
pull1D
Entries 82
Mean 0.02265
Std Dev 1.365



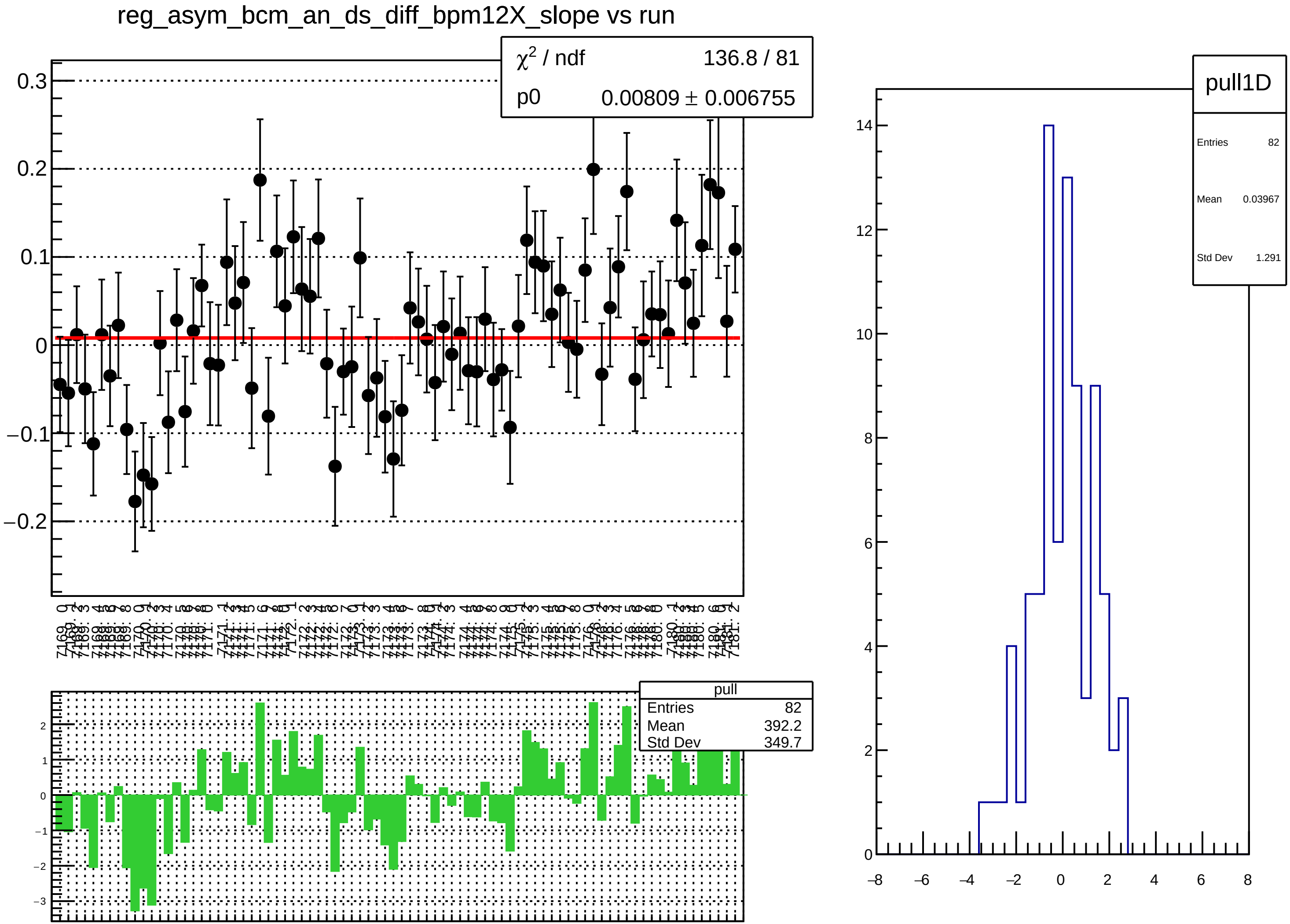
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 99.34 / 81
p0 2.809 ± 0.1317
pull
Entries 82
Mean −293.1
Std Dev 340.5
pull1D
Entries 82
Mean 0.02274
Std Dev 1.1



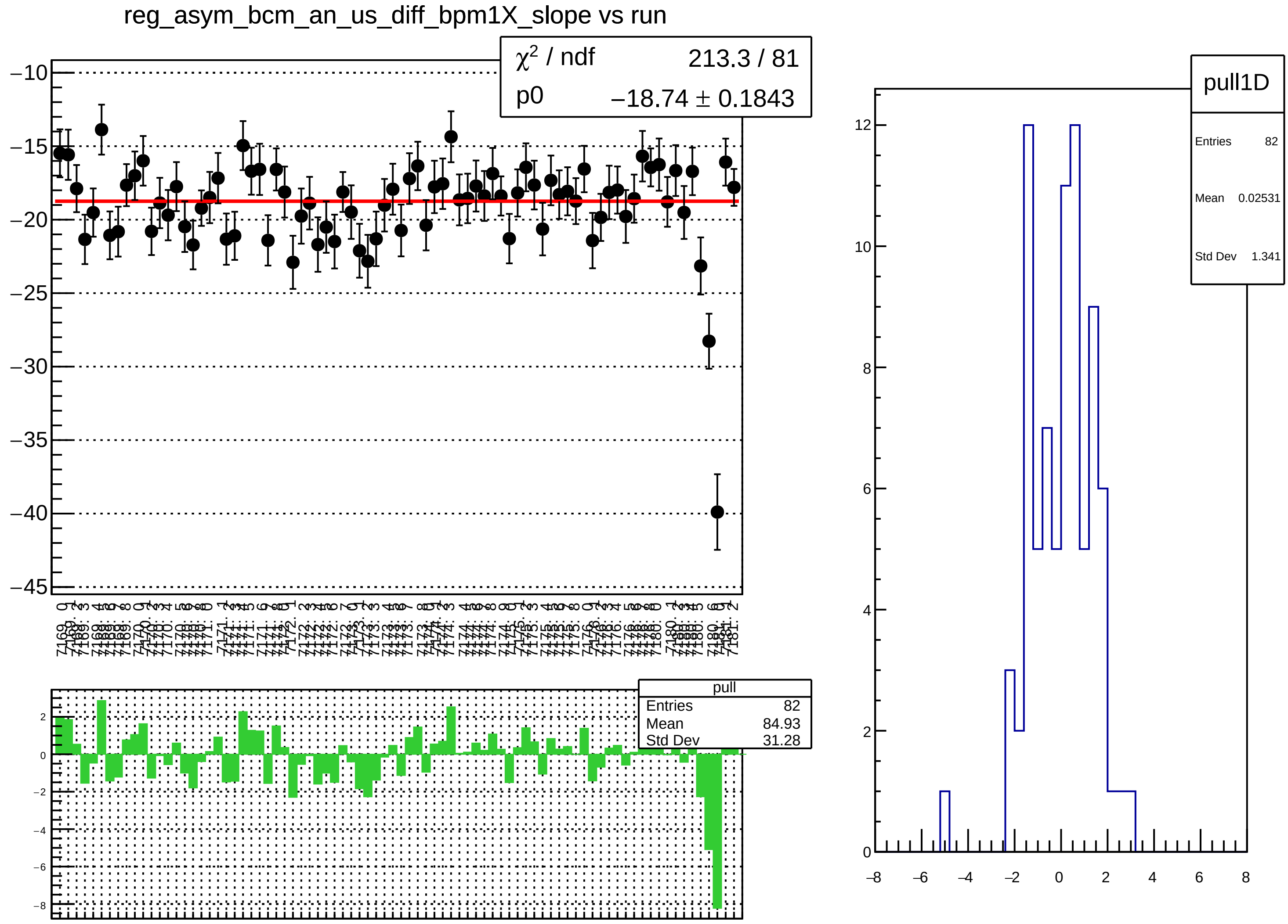
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 219.2 / 81
p0 18.23 ± 0.1834
pull
Entries 82
Mean 85.73
Std Dev 27.25
pull1D
Entries 82
Mean −0.024
Std Dev 1.359



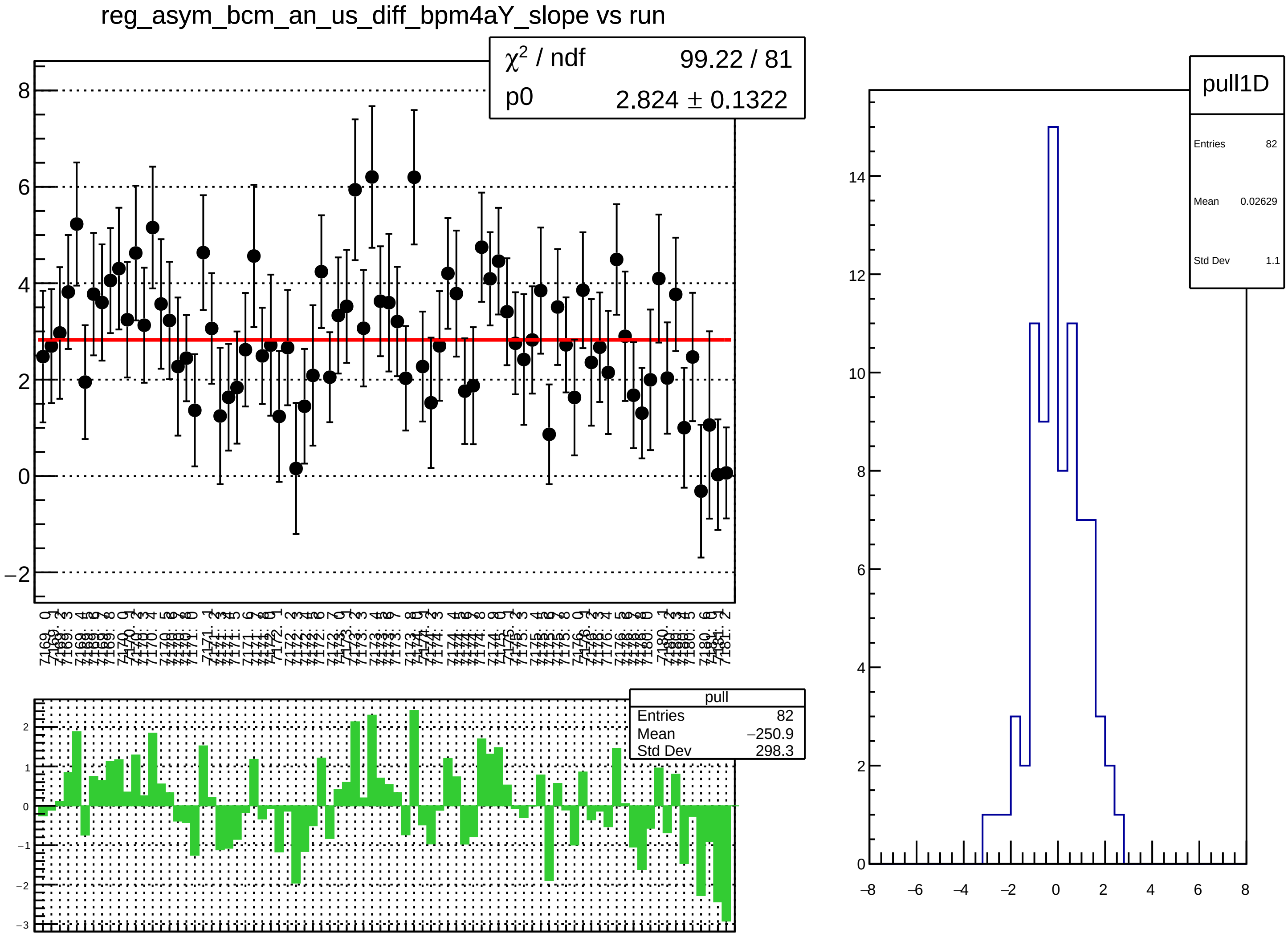
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 127.5 / 81
p0 −3.882 ± 0.1479
pull
Entries 82
Mean −153
Std Dev 199.4
pull1D
Entries 82
Mean −0.04564
Std Dev 1.246



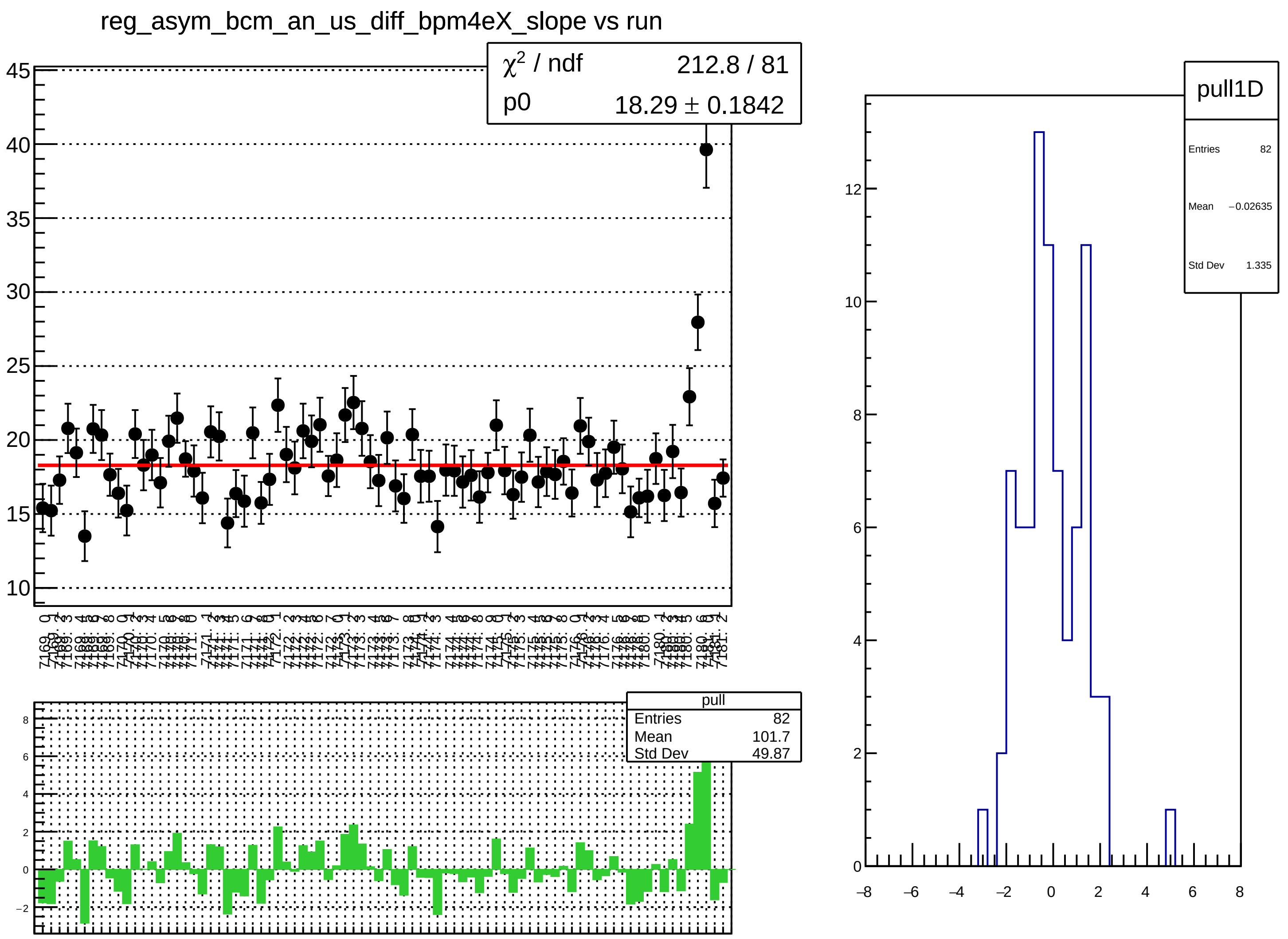
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 136.8 / 81
p0 0.00809 ± 0.006755
pull
Entries 82
Mean 392.2
Std Dev 349.7
pull1D
Entries 82
Mean 0.03967
Std Dev 1.291



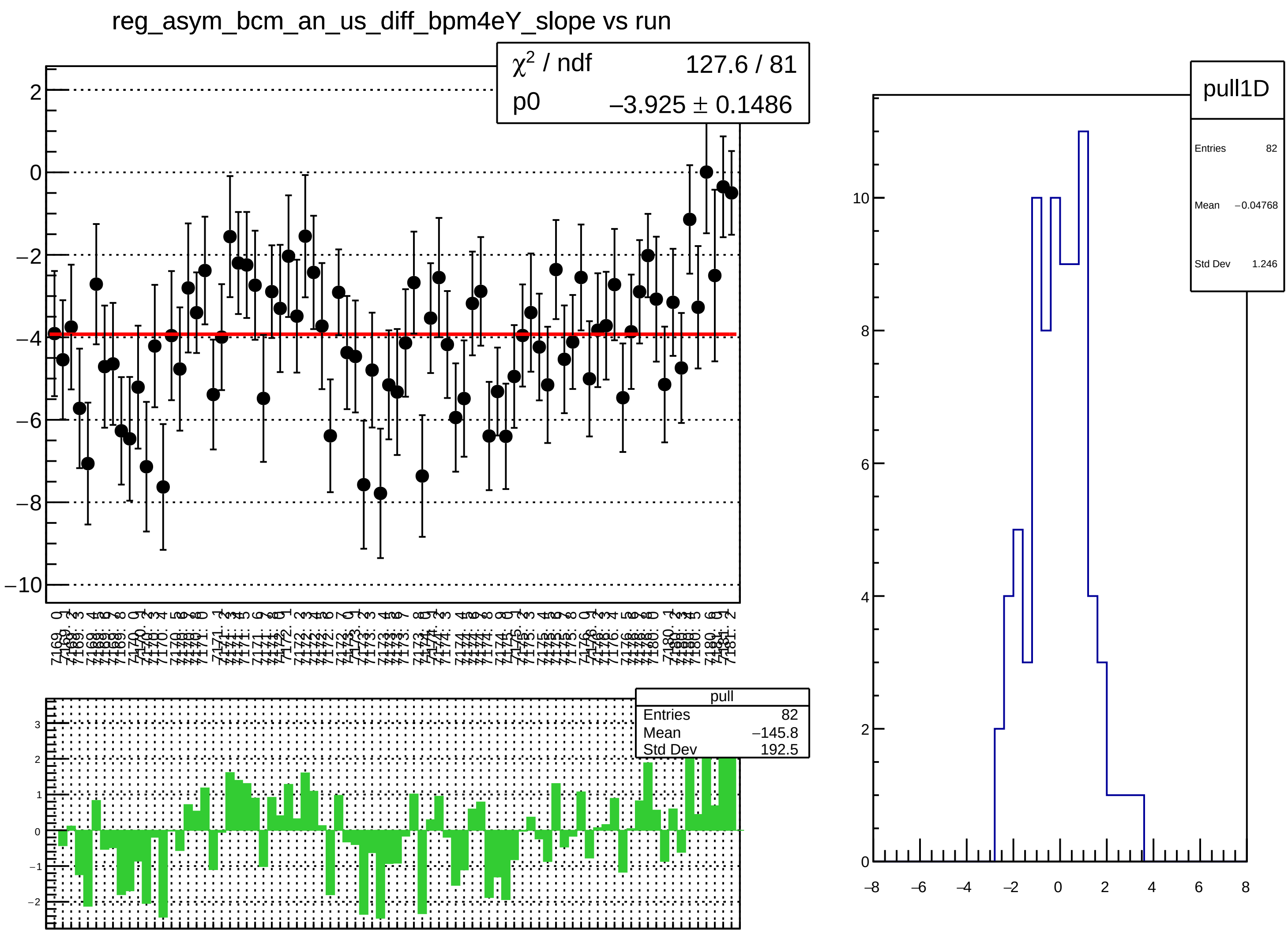
reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 213.3 / 81
p0 −18.74 ± 0.1843
pull
Entries 82
Mean 84.93
Std Dev 31.28
pull1D
Entries 82
Mean 0.02531
Std Dev 1.341



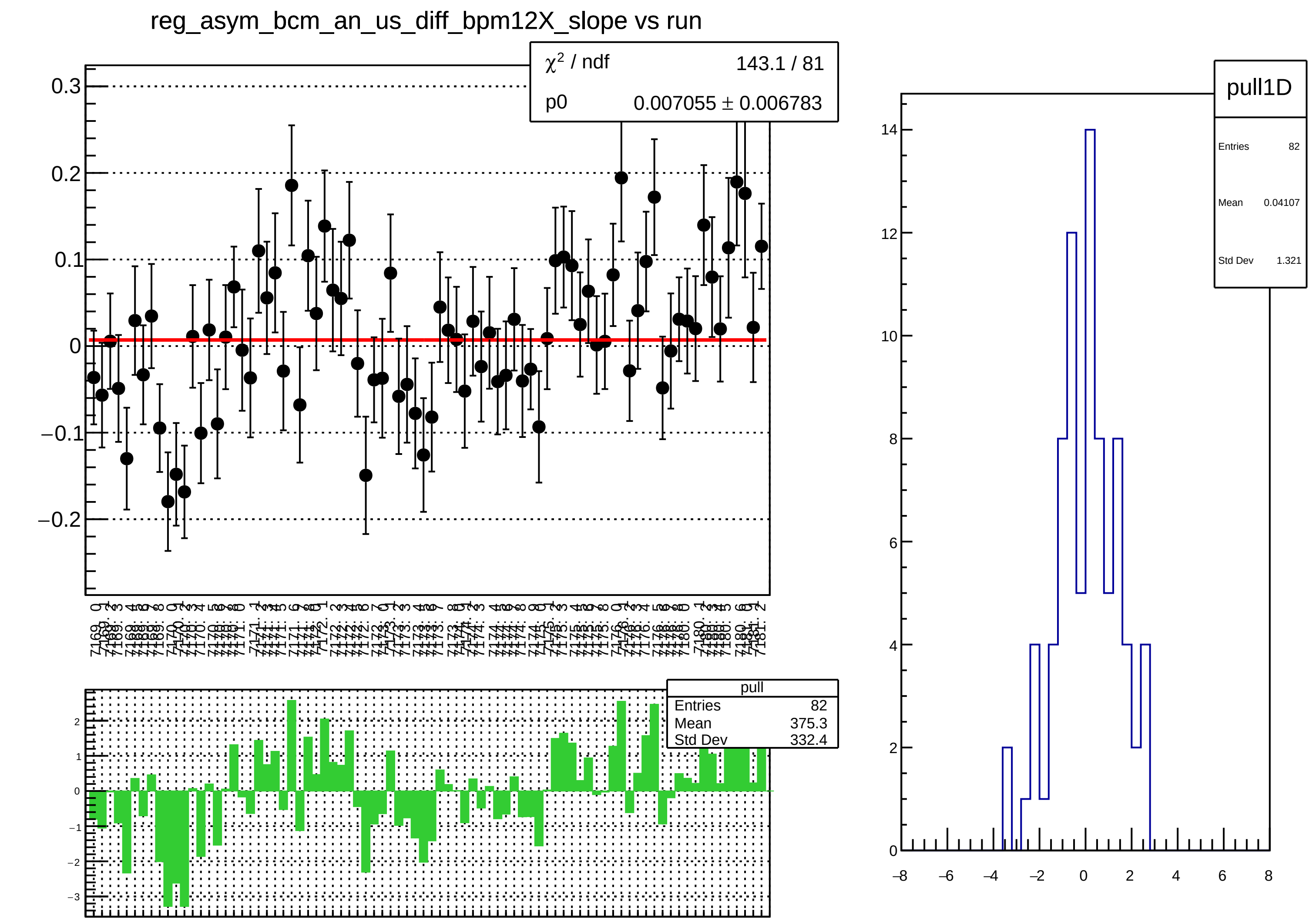
reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ2 / ndf 99.22 / 81
p0 2.824 ± 0.1322
pull
Entries 82
Mean −250.9
Std Dev 298.3
pull1D
Entries 82
Mean 0.02629
Std Dev 1.1



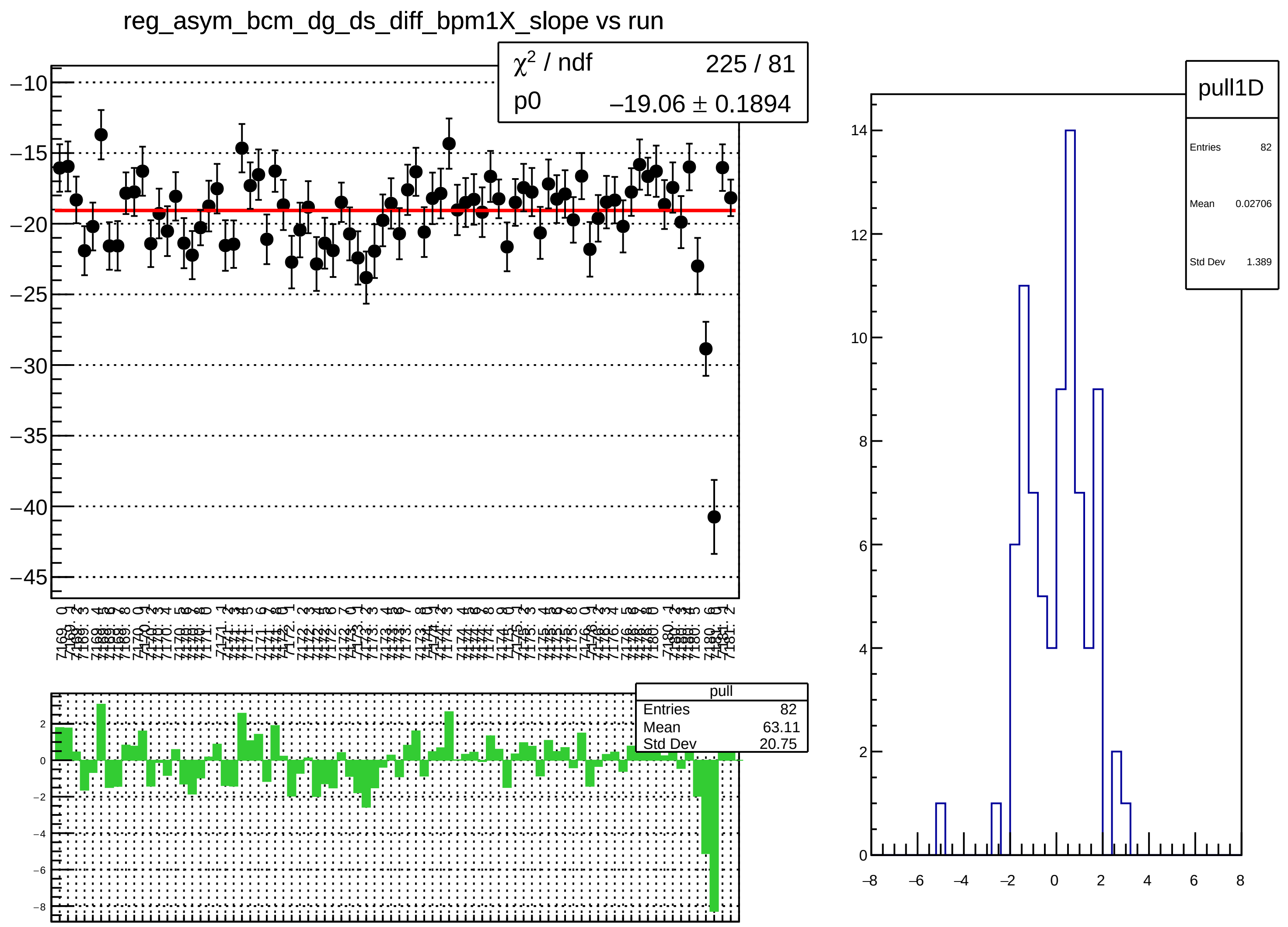
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 212.8 / 81
p0 18.29 ± 0.1842
pull
Entries 82
Mean 101.7
Std Dev 49.87
pull1D
Entries 82
Mean −0.02635
Std Dev 1.335

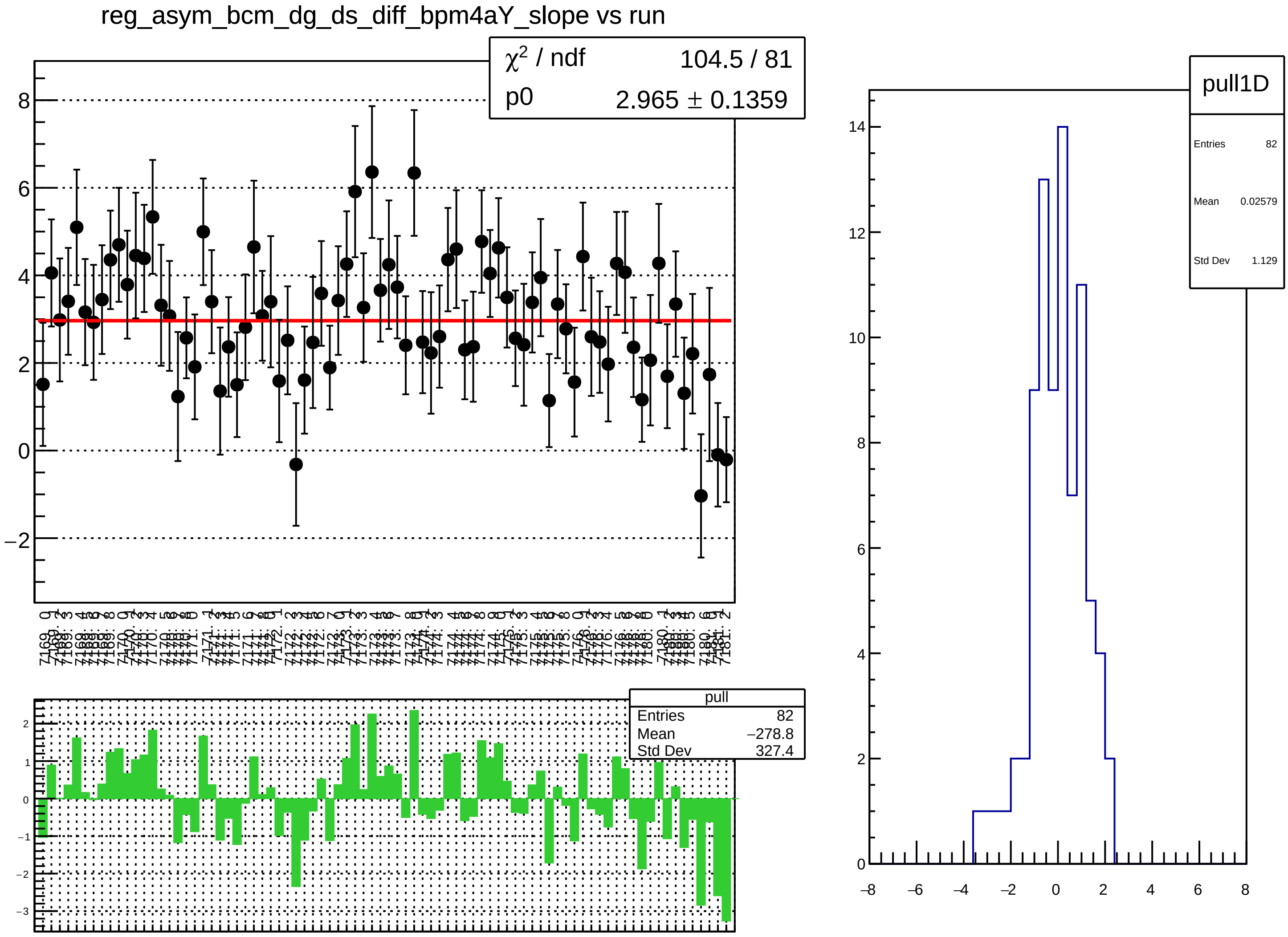


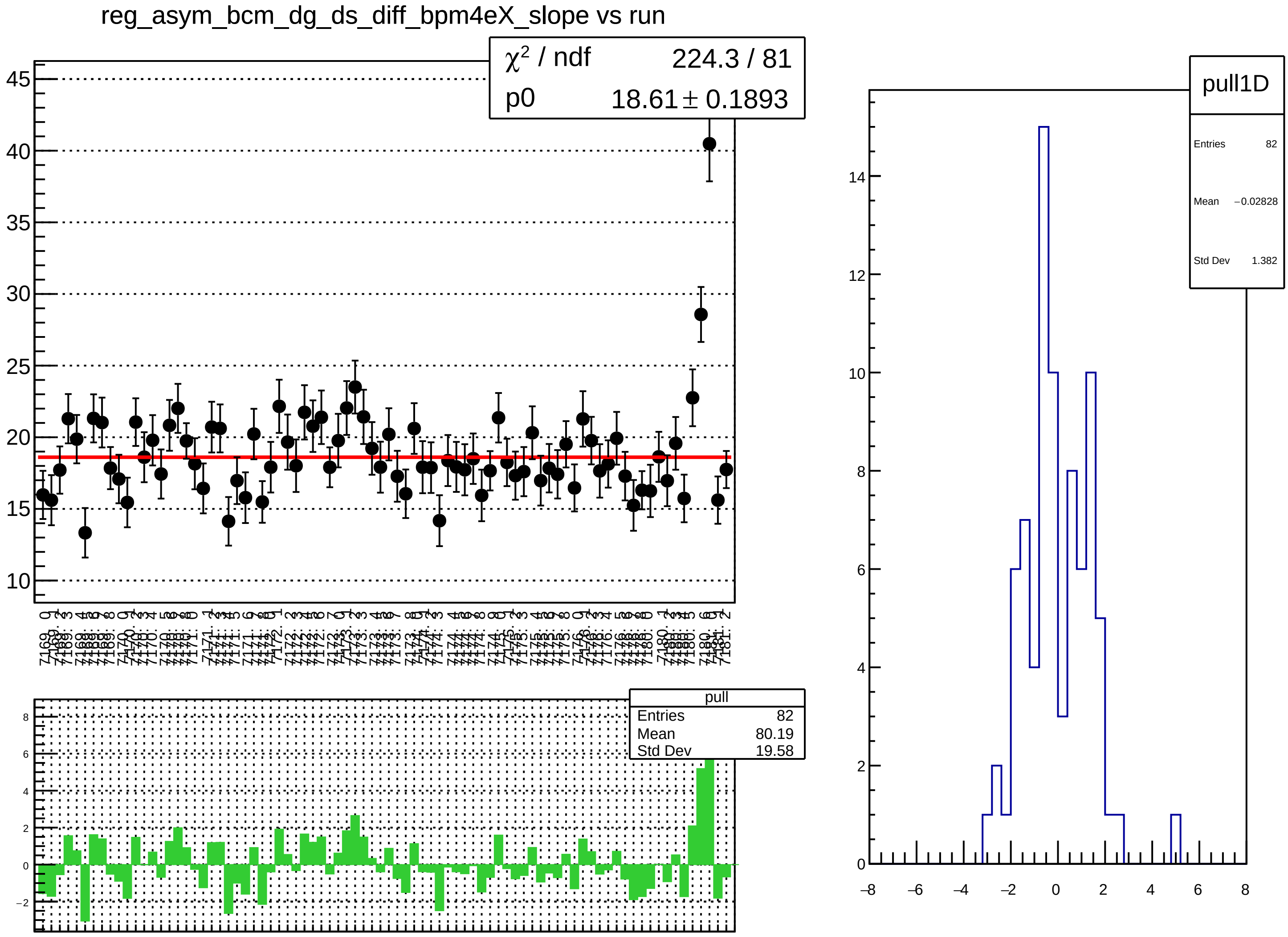
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 127.6 / 81
p0 −3.925 ± 0.1486
pull
Entries 82
Mean −145.8
Std Dev 192.5
pull1D
Entries 82
Mean −0.04768
Std Dev 1.246



reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ2 / ndf 143.1 / 81
p0 0.007055 ± 0.006783
pull
Entries 82
Mean 375.3
Std Dev 332.4
pull1D
Entries 82
Mean 0.04107
Std Dev 1.321

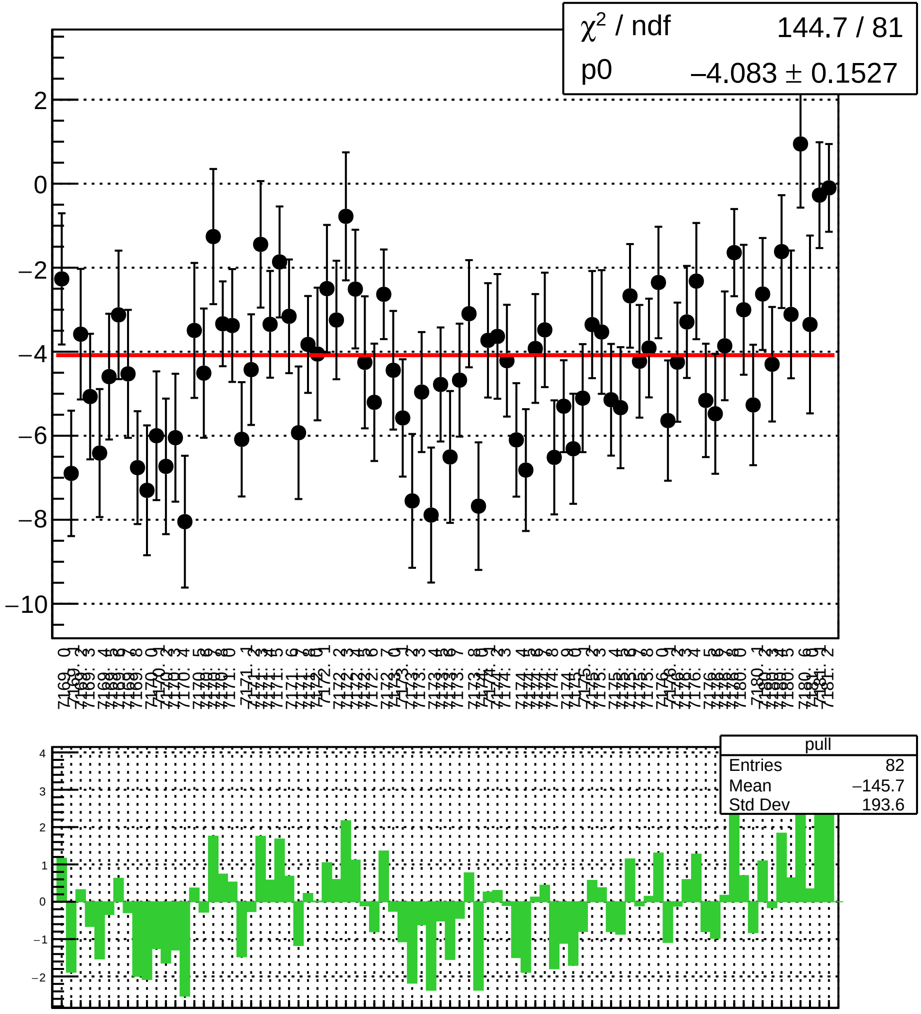

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 225 / 81
p0 −19.06 ± 0.1894
pull
Entries 82
Mean 63.11
Std Dev 20.75
pull1D
Entries 82
Mean 0.02706
Std Dev 1.389

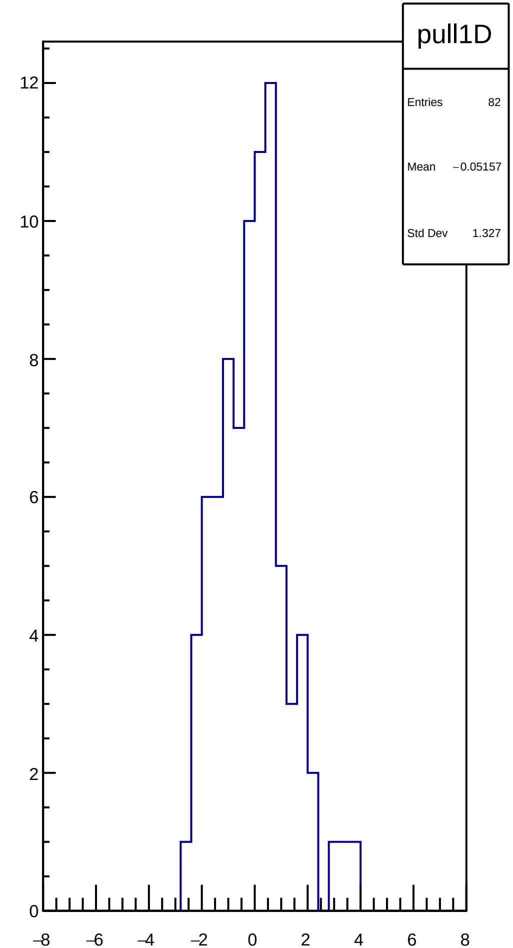

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 104.5 / 81
p0 2.965 ± 0.1359
pull
Entries 82
Mean −278.8
Std Dev 327.4
pull1D
Entries 82
Mean 0.02579
Std Dev 1.129

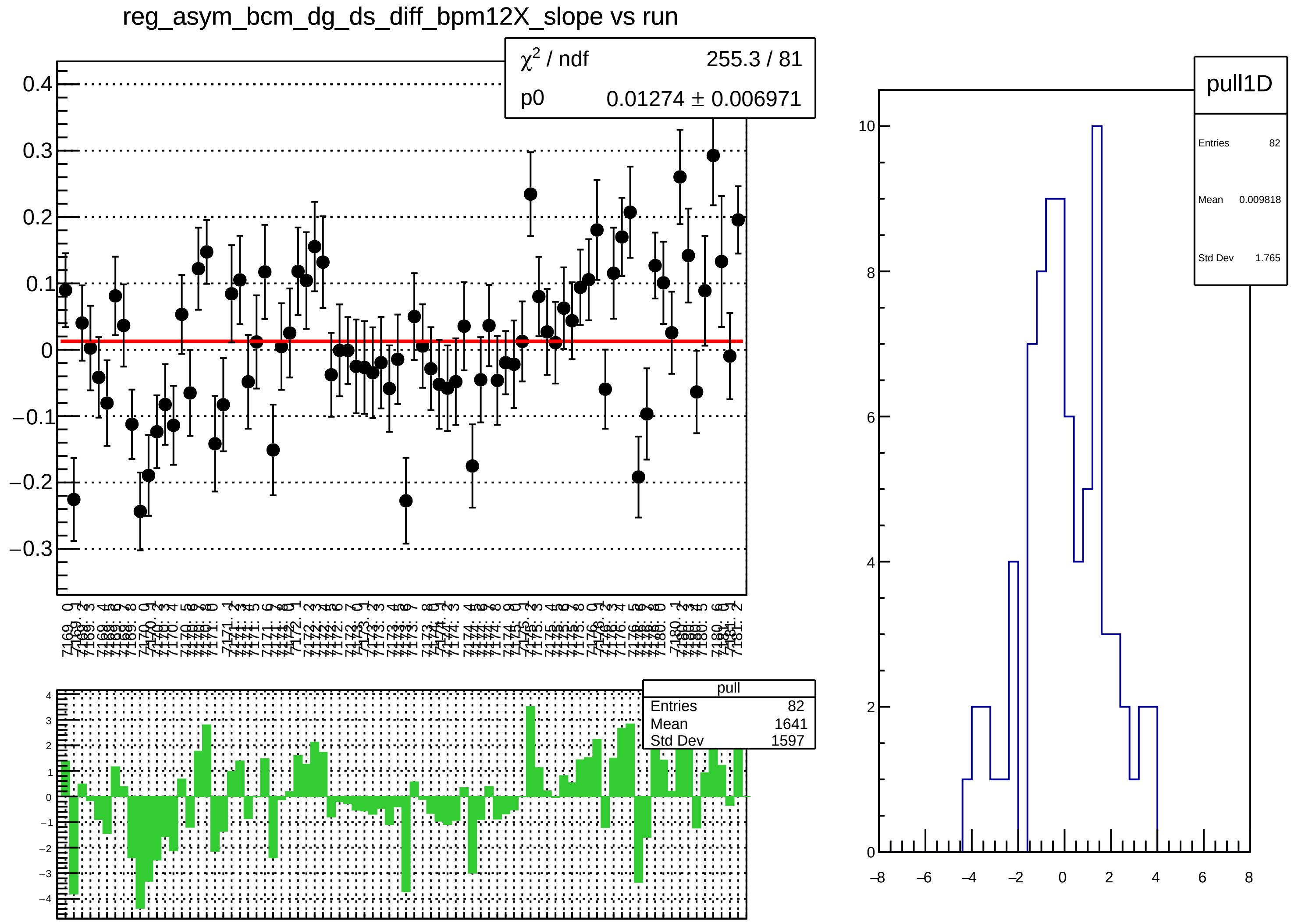


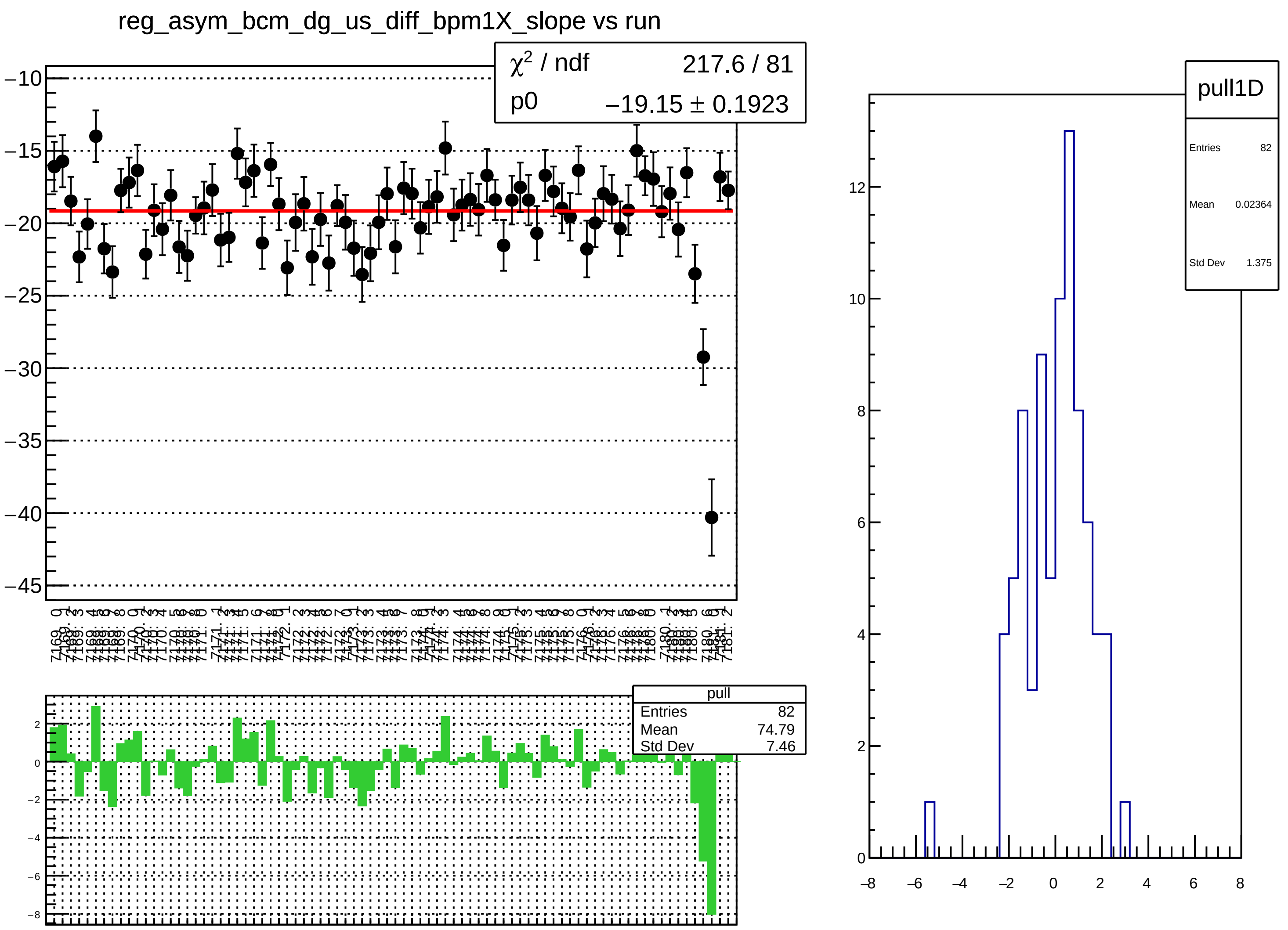
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ2 / ndf 224.3 / 81
p0 18.61 ± 0.1893
pull
Entries 82
Mean 80.19
Std Dev 19.58
pull1D
Entries 82
Mean −0.02828
Std Dev 1.382

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run

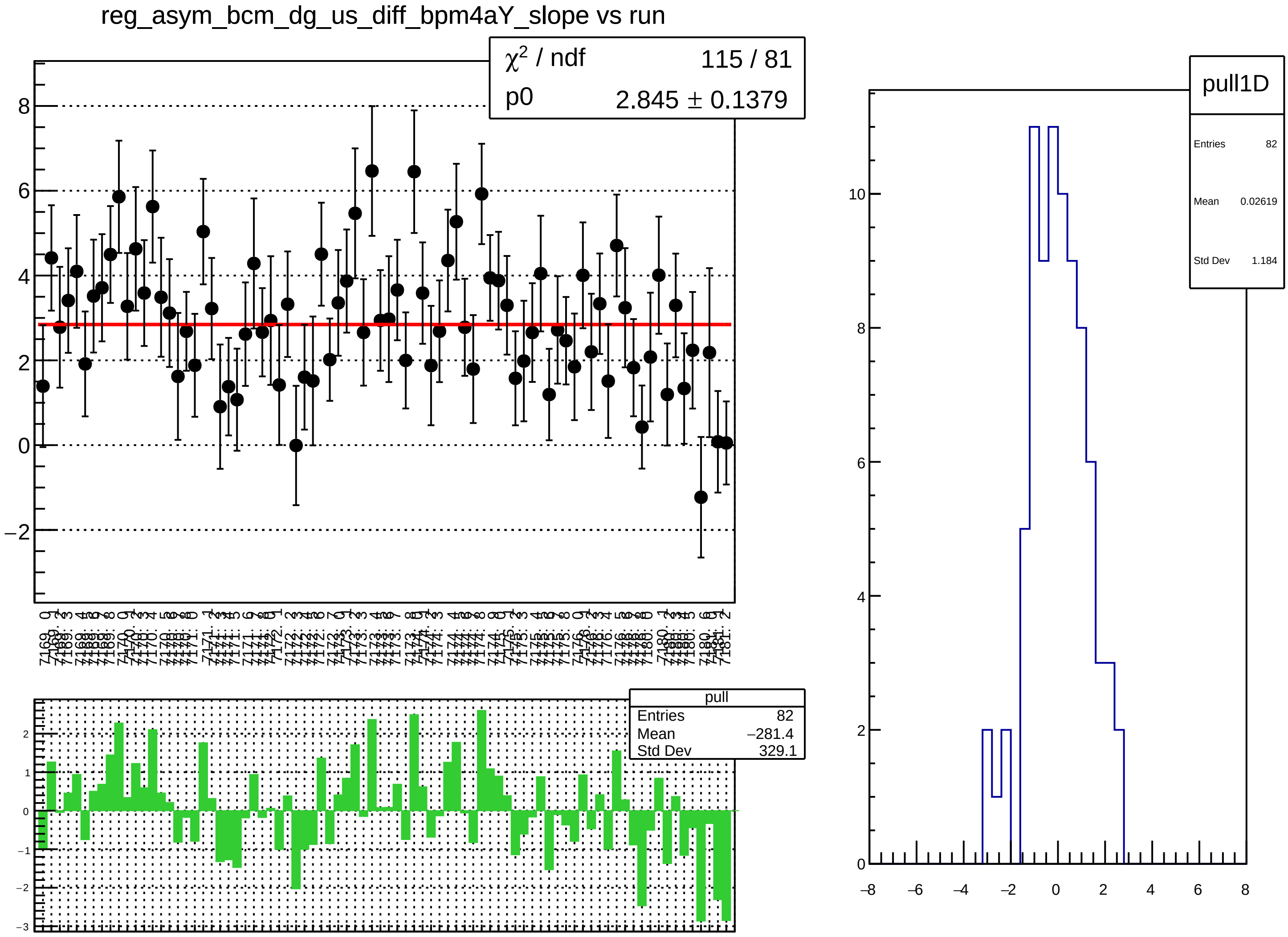




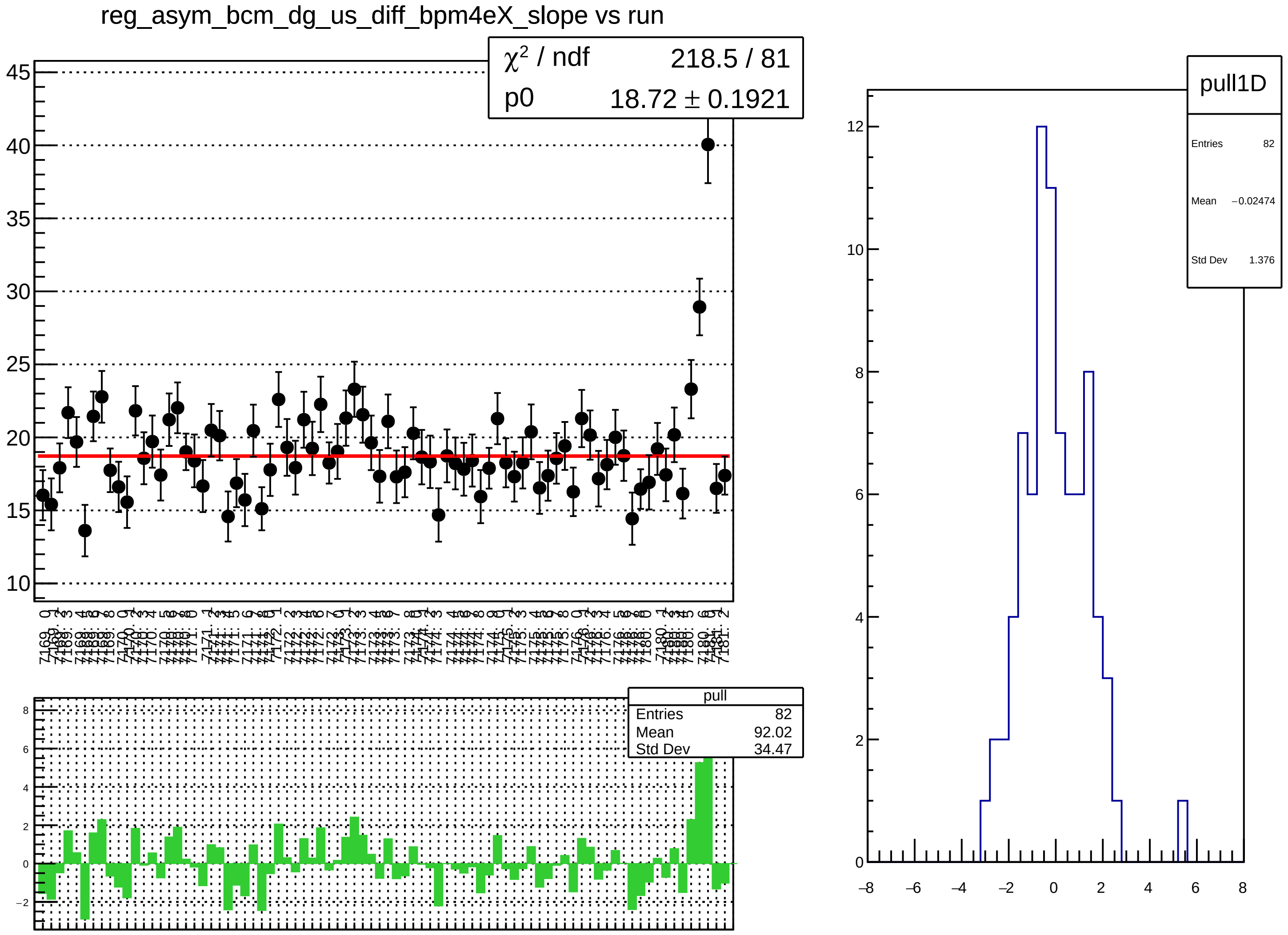

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 255.3 / 81
p0 0.01274 ± 0.006971
pull
Entries 82
Mean 1641
Std Dev 1597
pull1D
Entries 82
Mean 0.009818
Std Dev 1.765



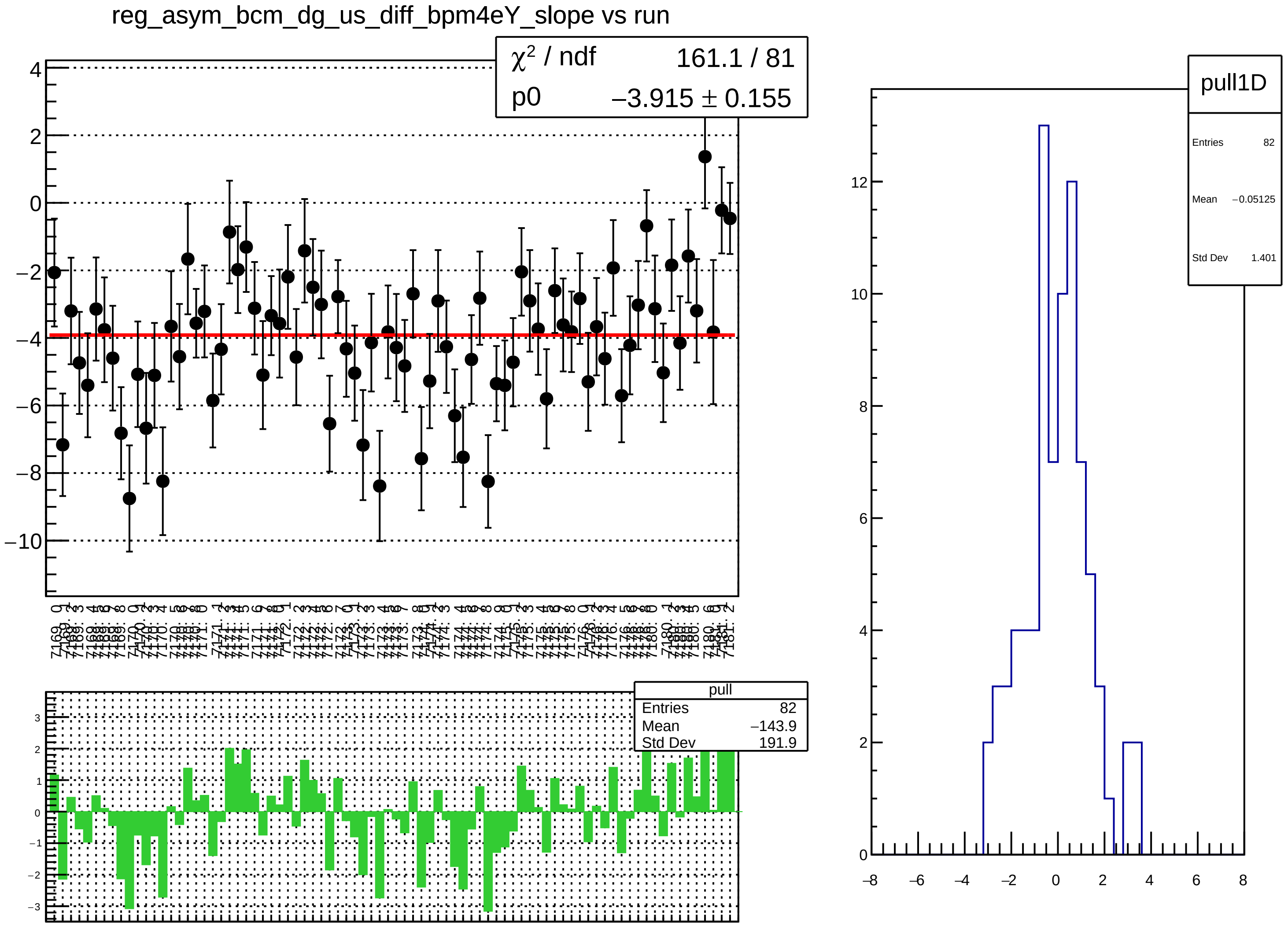
reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 217.6 / 81
p0 −19.15 ± 0.1923
pull
Entries 82
Mean 74.79
Std Dev 7.46
pull1D
Entries 82
Mean 0.02364
Std Dev 1.375

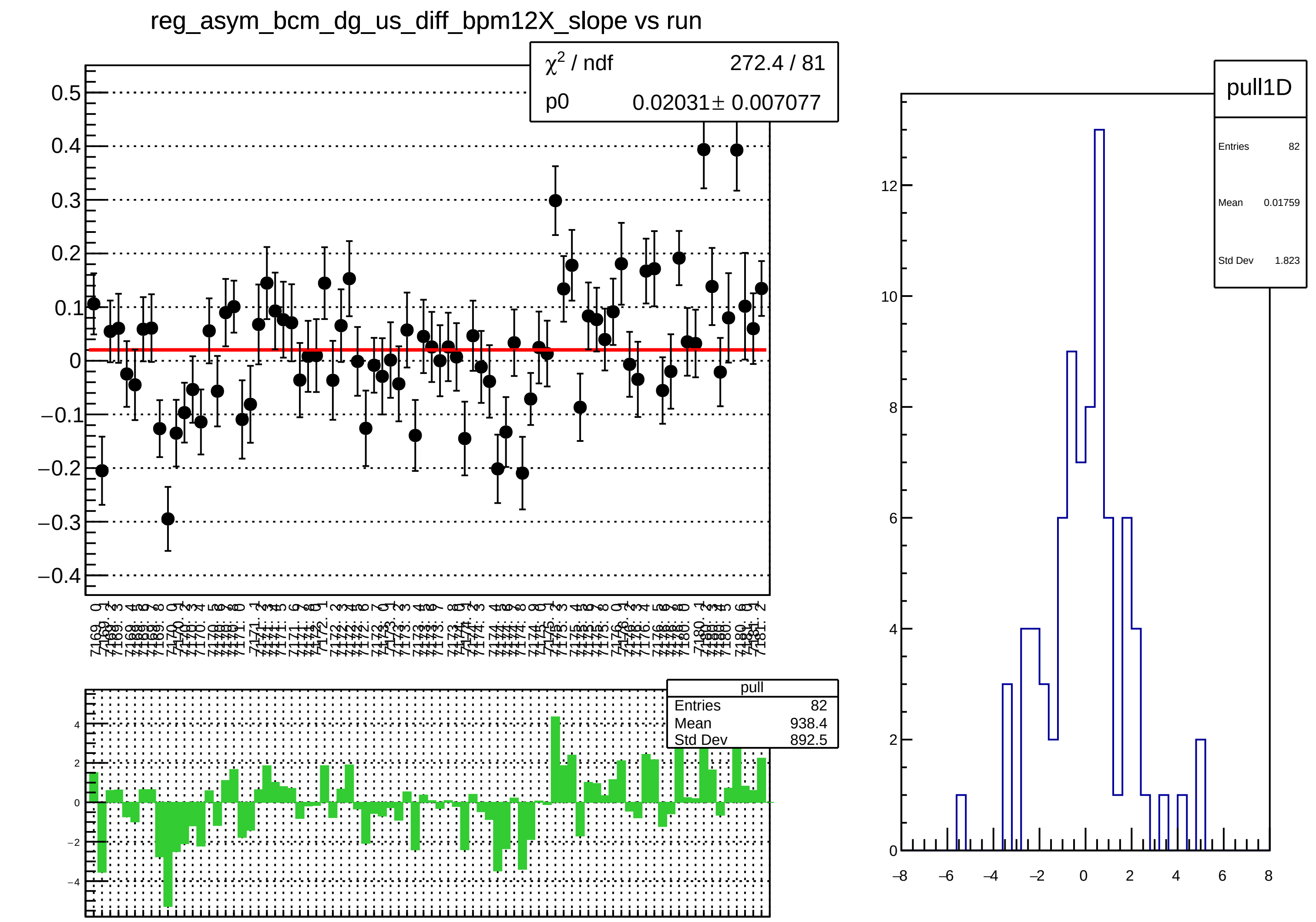


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 115 / 81
p0 2.845 ± 0.1379
pull
Entries 82
Mean −281.4
Std Dev 329.1
pull1D
Entries 82
Mean 0.02619
Std Dev 1.184



reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ2 / ndf 218.5 / 81
p0 18.72 ± 0.1921
pull
Entries 82
Mean 92.02
Std Dev 34.47
pull1D
Entries 82
Mean −0.02474
Std Dev 1.376


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ^2 / ndf 161.1 / 81
p0 −3.915 ± 0.155
pull
Entries 82
Mean −143.9
Std Dev 191.9
pull1D
Entries 82
Mean −0.05125
Std Dev 1.401



reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ2 / ndf 272.4 / 81
p0 0.02031± 0.007077
pull
Entries 82
Mean 938.4
Std Dev 892.5
pull1D
Entries 82
Mean 0.01759
Std Dev 1.823