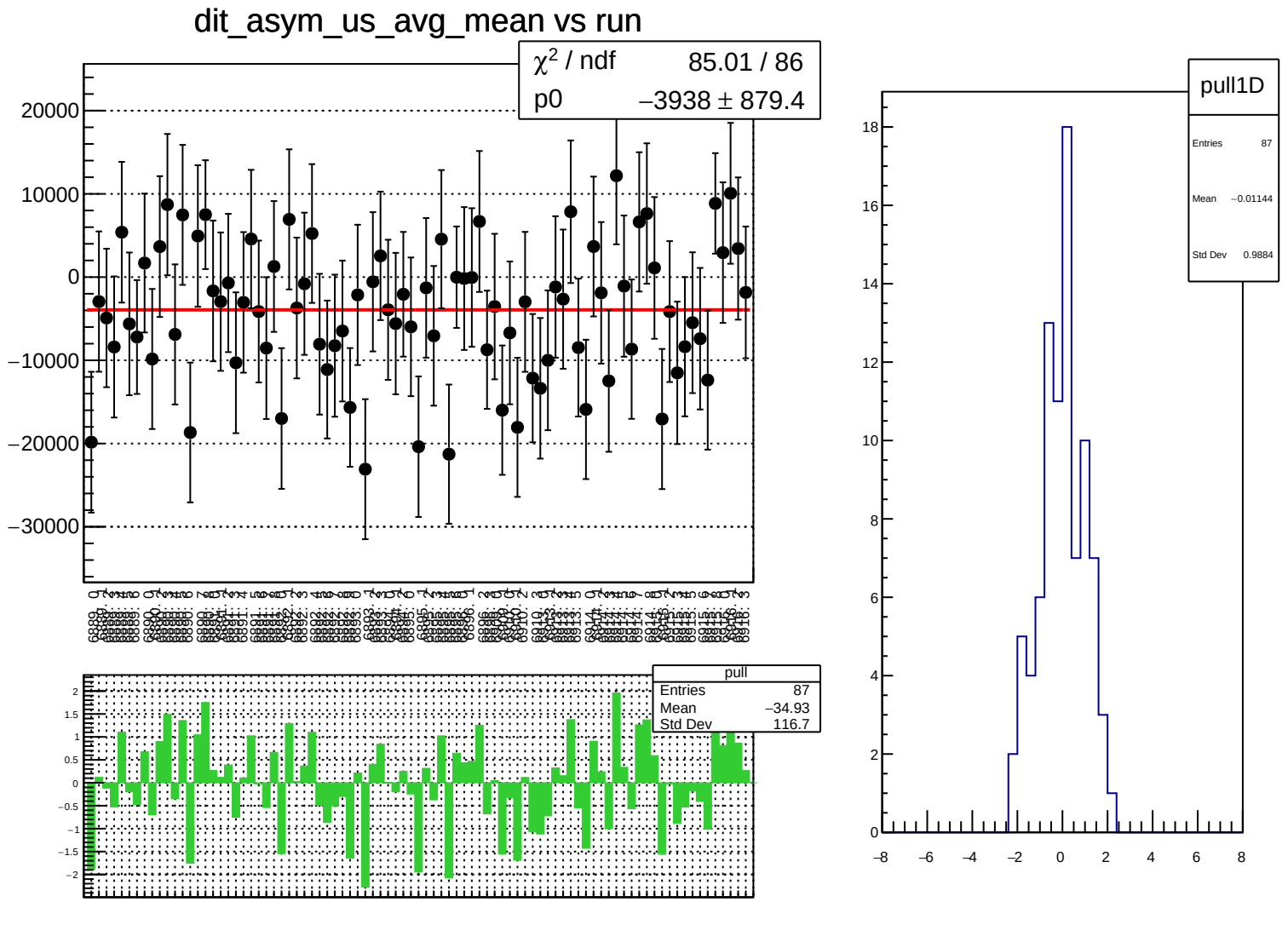
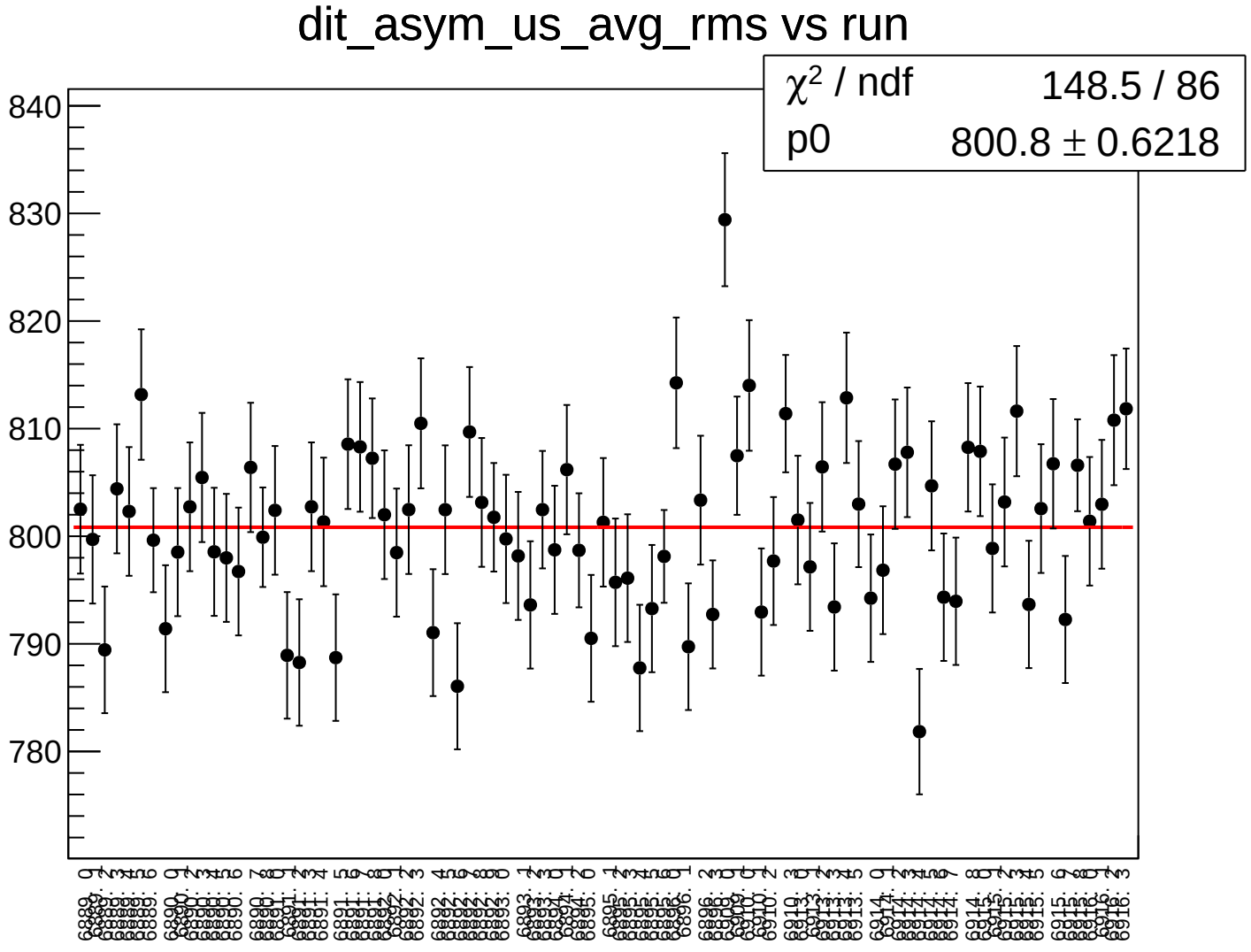
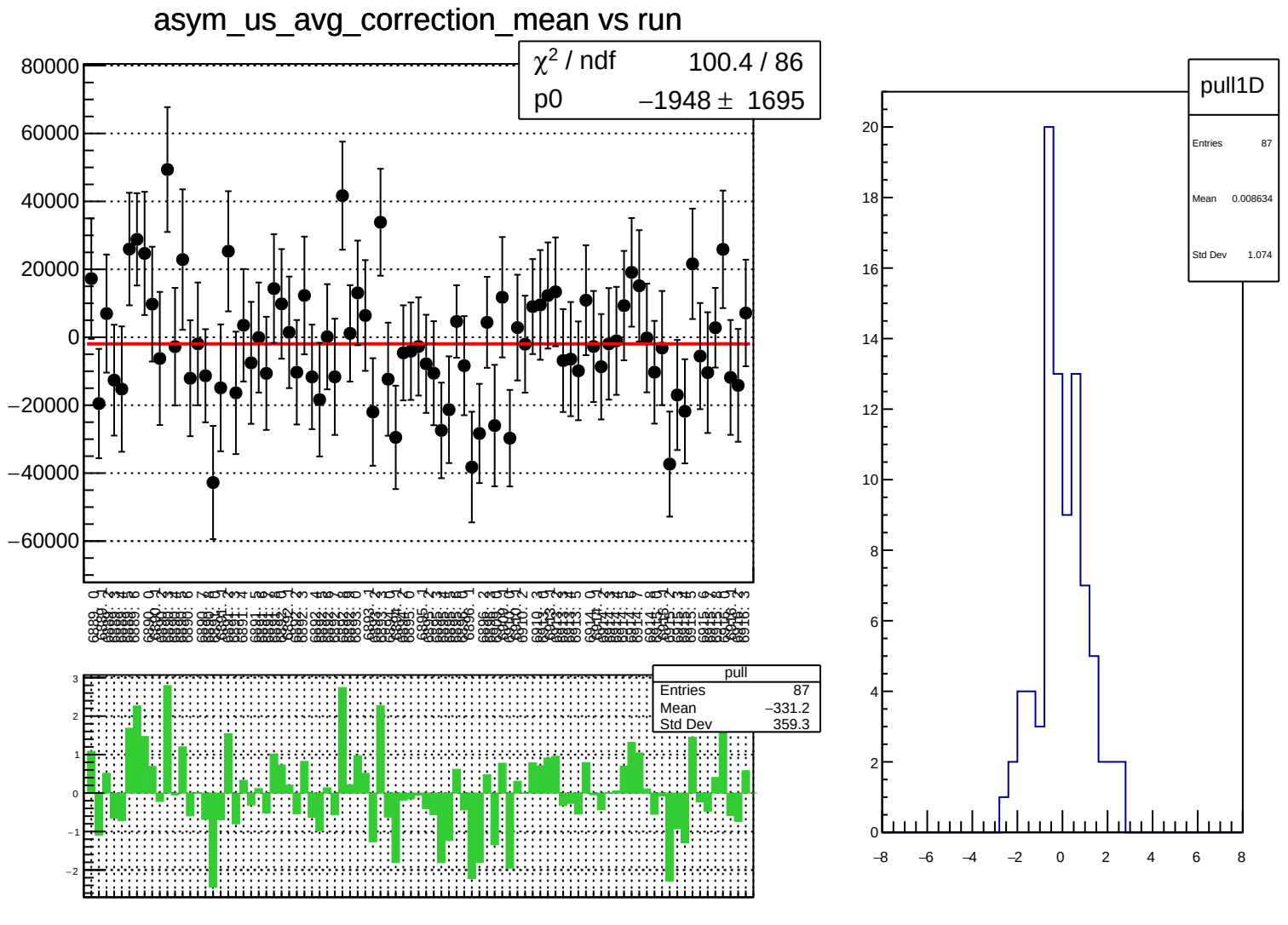
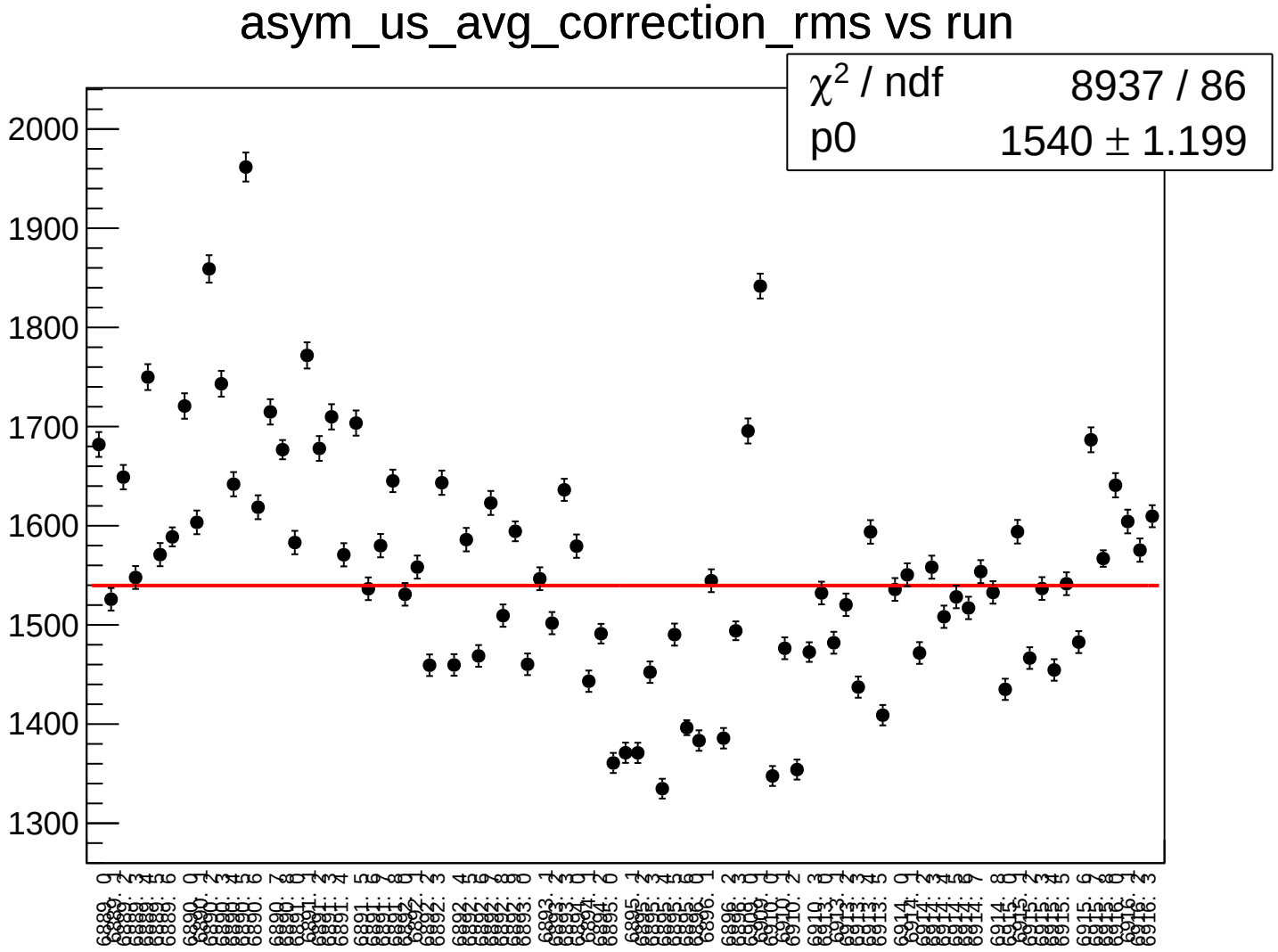
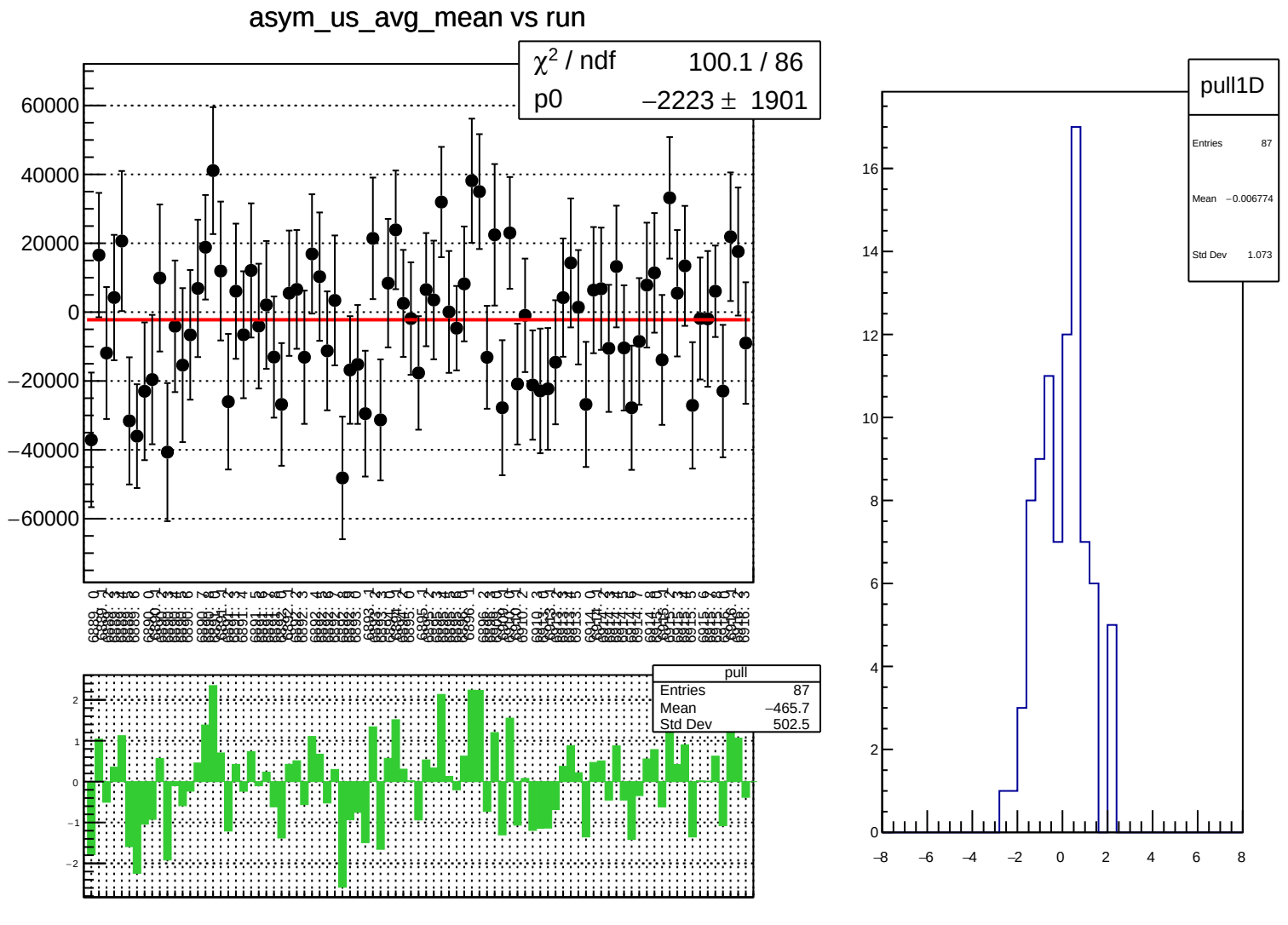
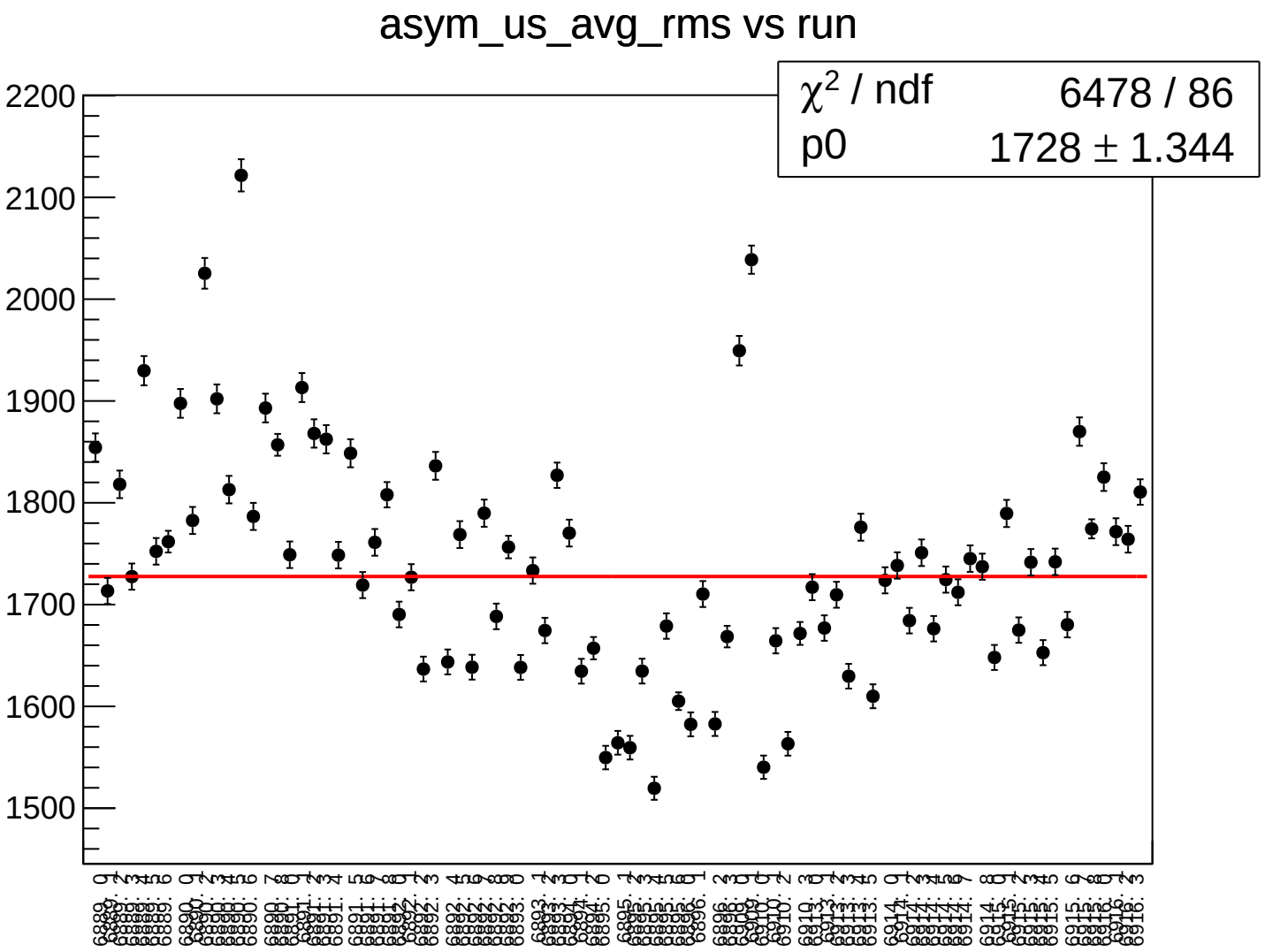

dit_asym_us_avg_mean vs run
χ² / ndf 85.01 / 86
p0 −3938 ± 879.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −34.93
Std Dev 116.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.01144
Std Dev 0.9884
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

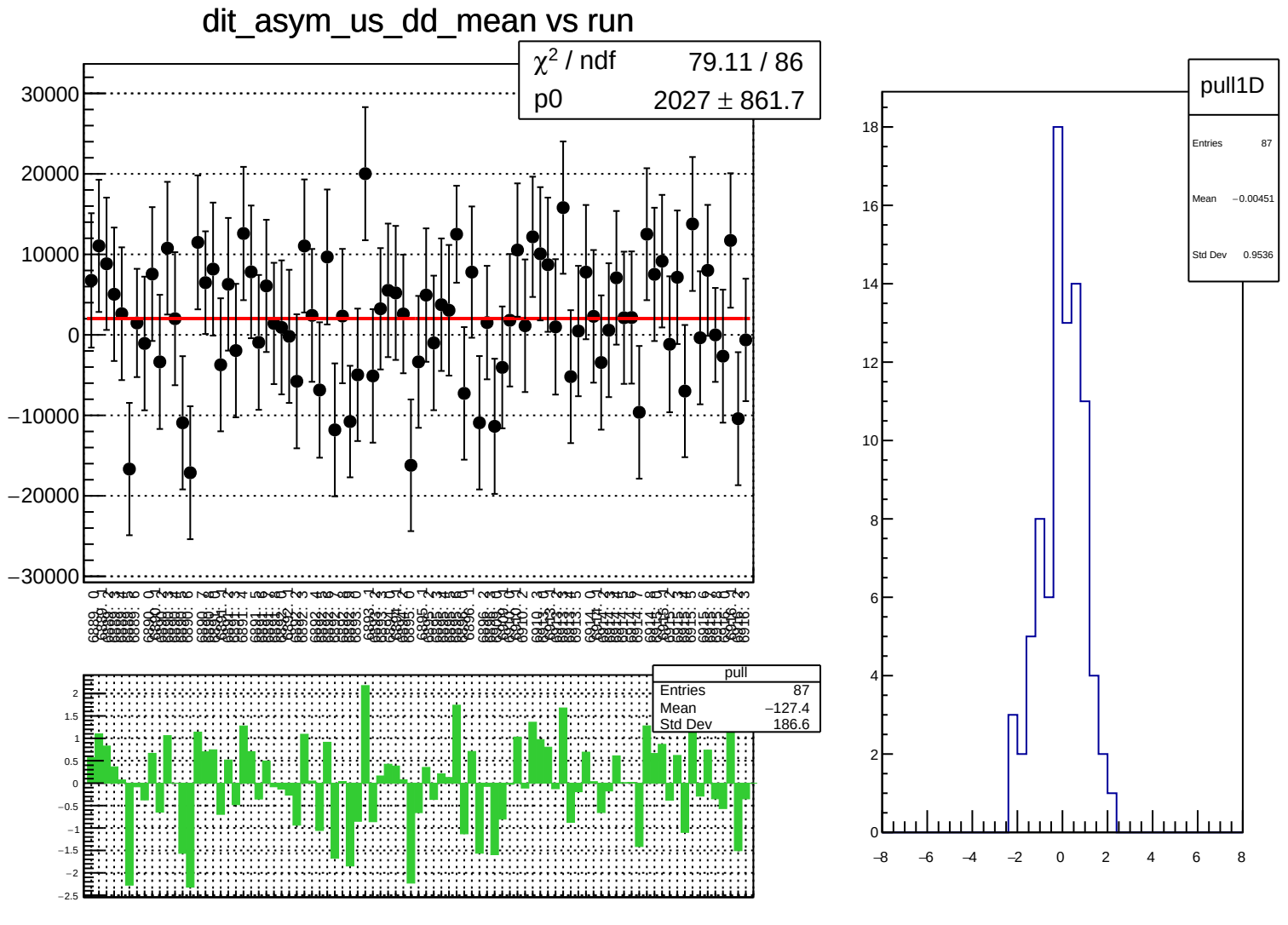

dit_asym_us_avg_rms vs run
χ^2 / ndf 148.5 / 86
p0 800.8 ± 0.6218
840
830
820
810
800
790
780

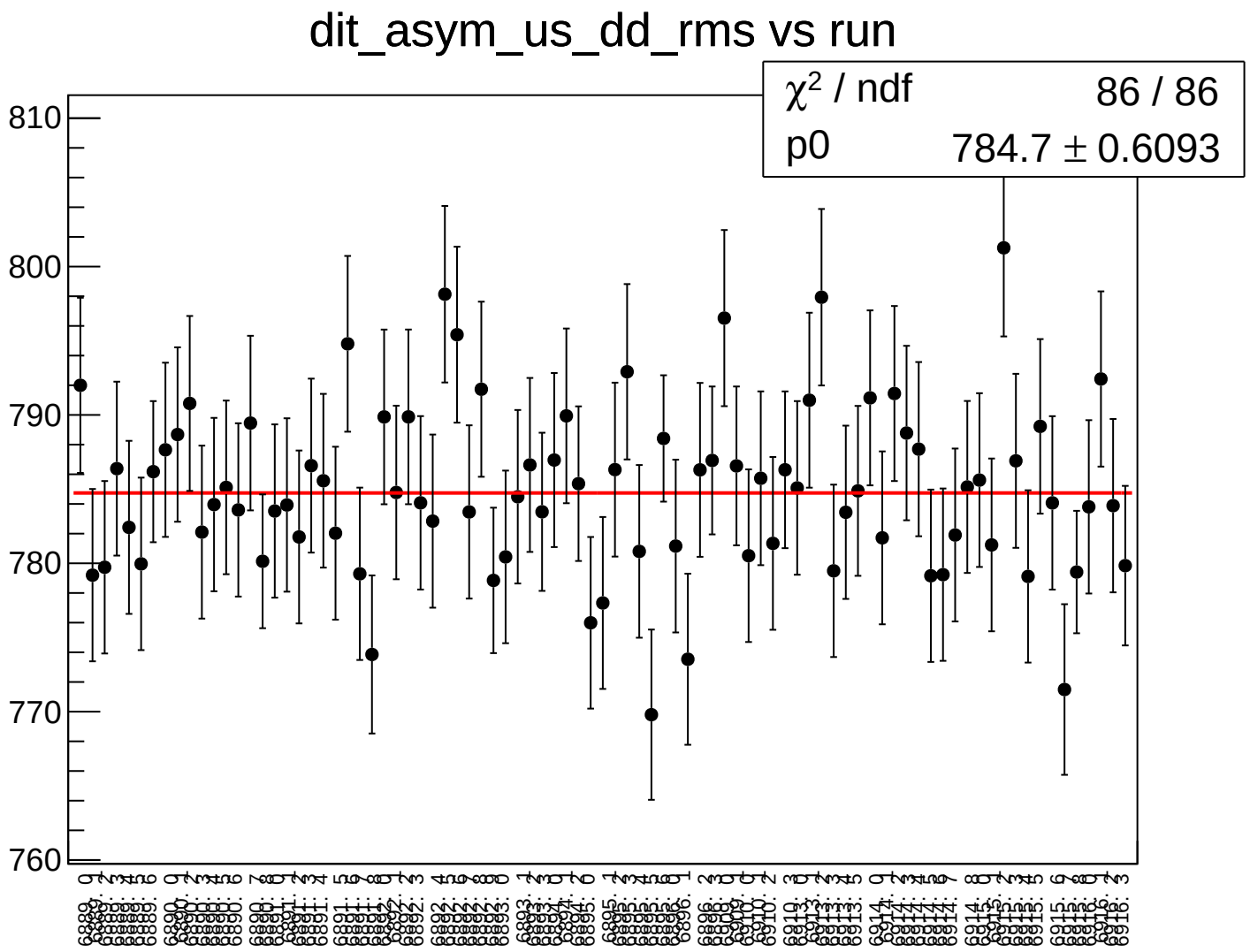

asym_us_avg_correction_mean vs run
χ² / ndf 100.4 / 86
p0 −1948 ± 1695
pull
Entries 87
Mean −331.2
Std Dev 359.3
pull1D
Entries 87
Mean 0.008634
Std Dev 1.074

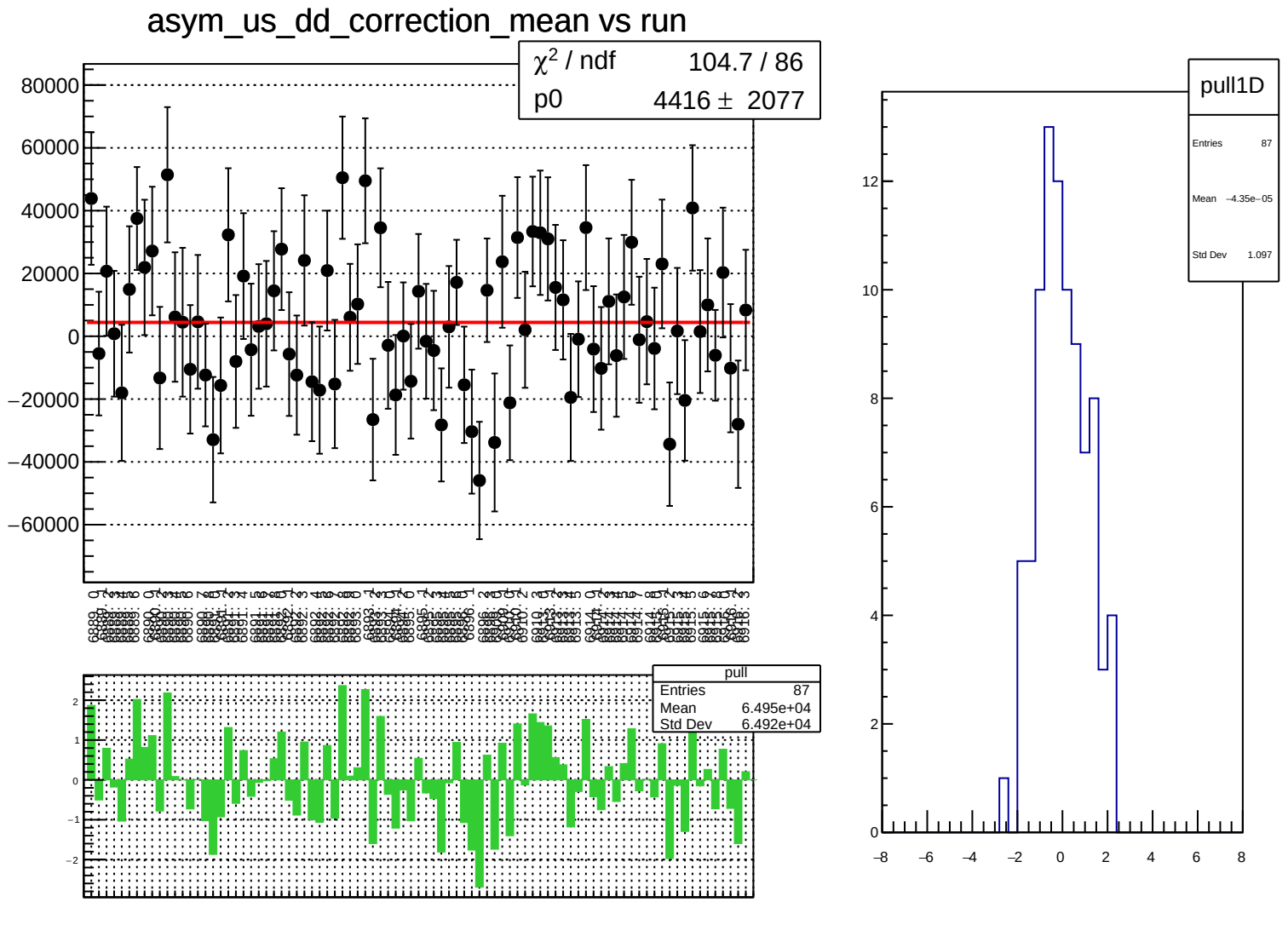

asym_us_avg_correction_rms vs run
χ^2 / ndf 8937 / 86
p0 1540 ± 1.199
2000
1900
1800
1700
1600
1500
1400
1300


asym_us_avg_mean vs run
χ² / ndf 100.1 / 86
p0 −2223 ± 1901
pull
Entries 87
Mean −465.7
Std Dev 502.5
pull1D
Entries 87
Mean −0.006774
Std Dev 1.073

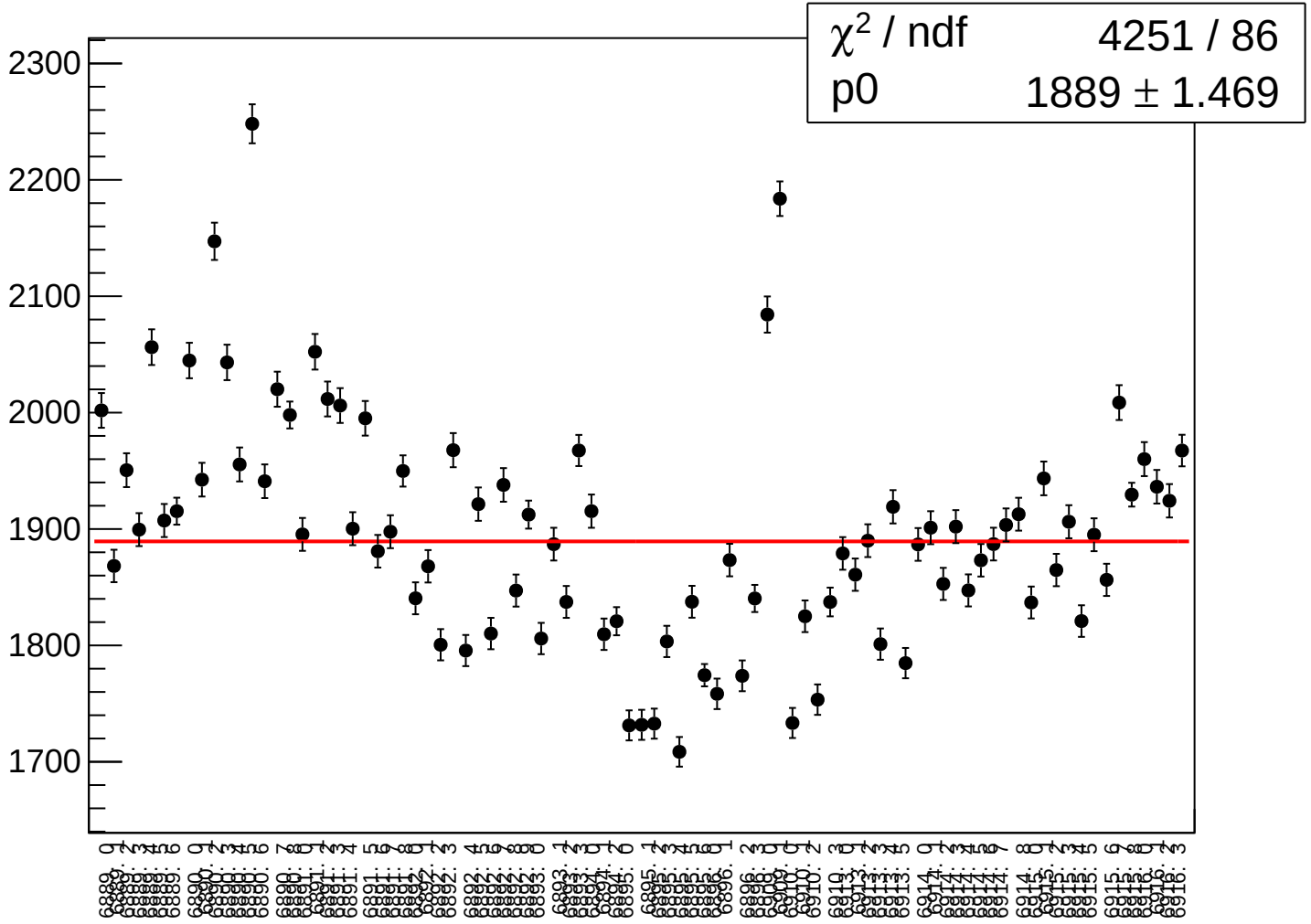

asym_us_avg_rms vs run
χ^2 / ndf 6478 / 86
p0 1728 ± 1.344
2200
2100
2000
1900
1800
1700
1600
1500

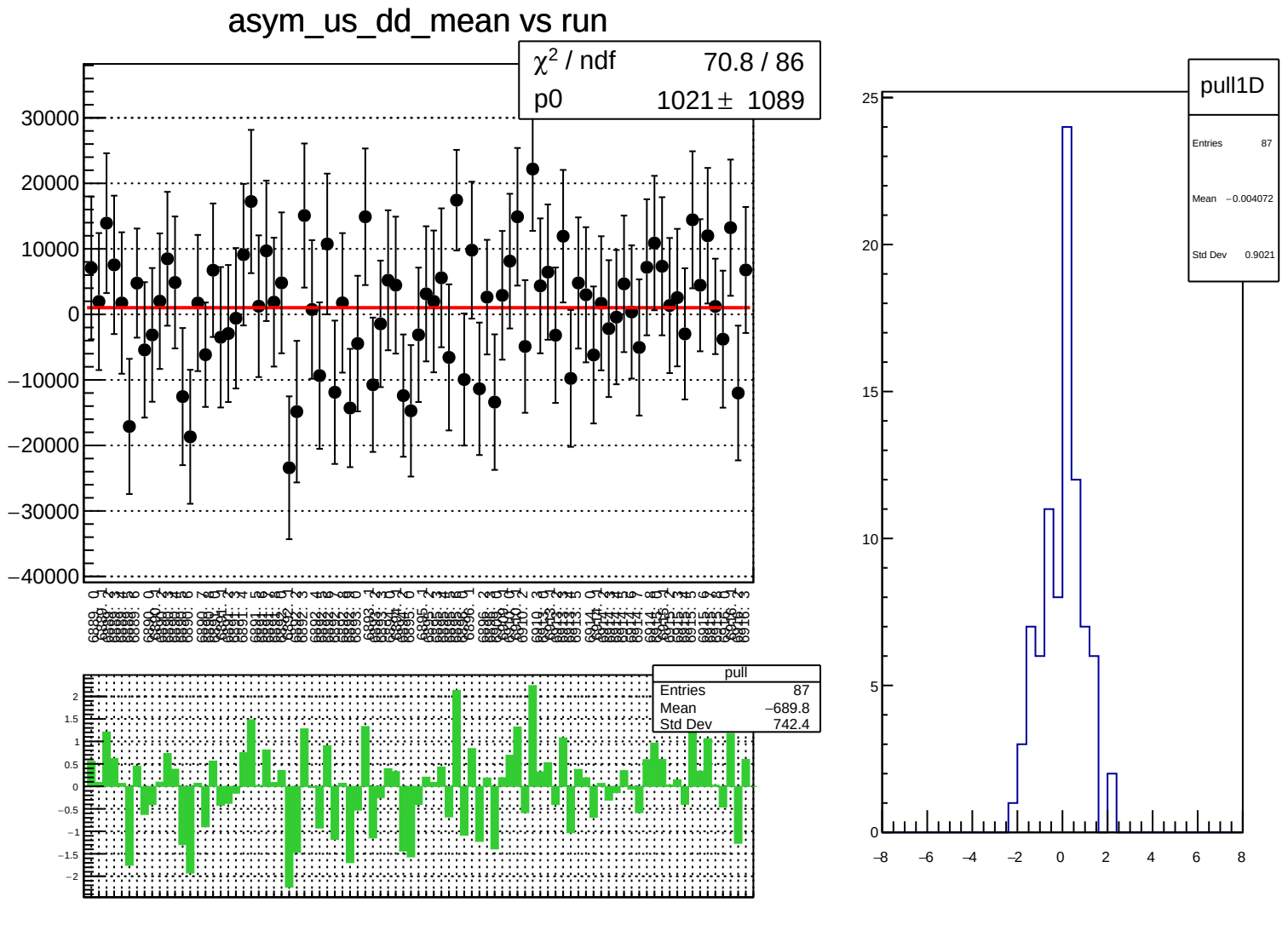

dit_asym_us_dd_mean vs run
χ² / ndf 79.11 / 86
p0 2027 ± 861.7
pull
Entries 87
Mean −127.4
Std Dev 186.6
pull1D
Entries 87
Mean −0.00451
Std Dev 0.9536

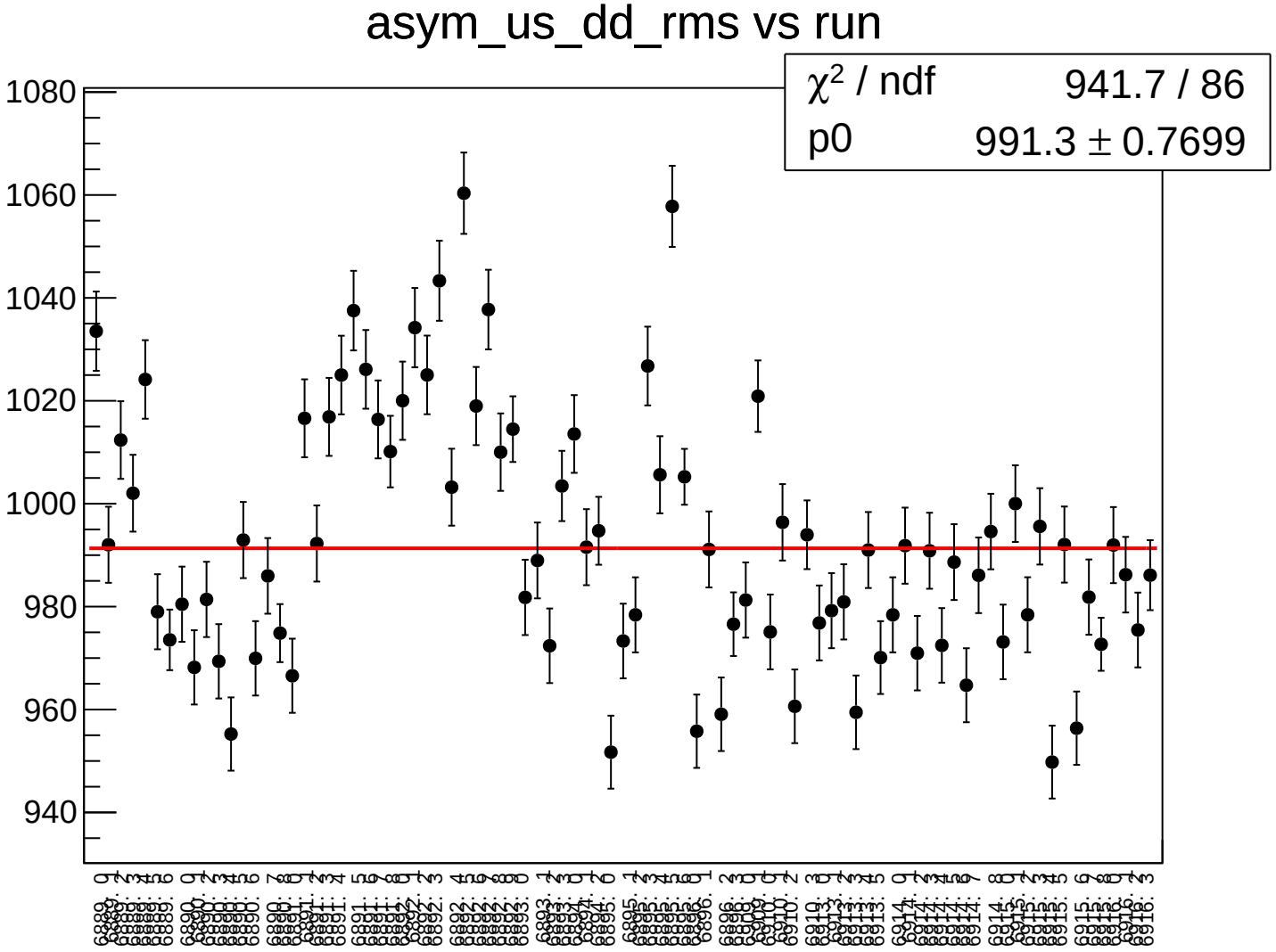

dit_asym_us_dd_rms vs run
χ² / ndf 86 / 86
p0 784.7 ± 0.6093
810
800
790
780
770
760

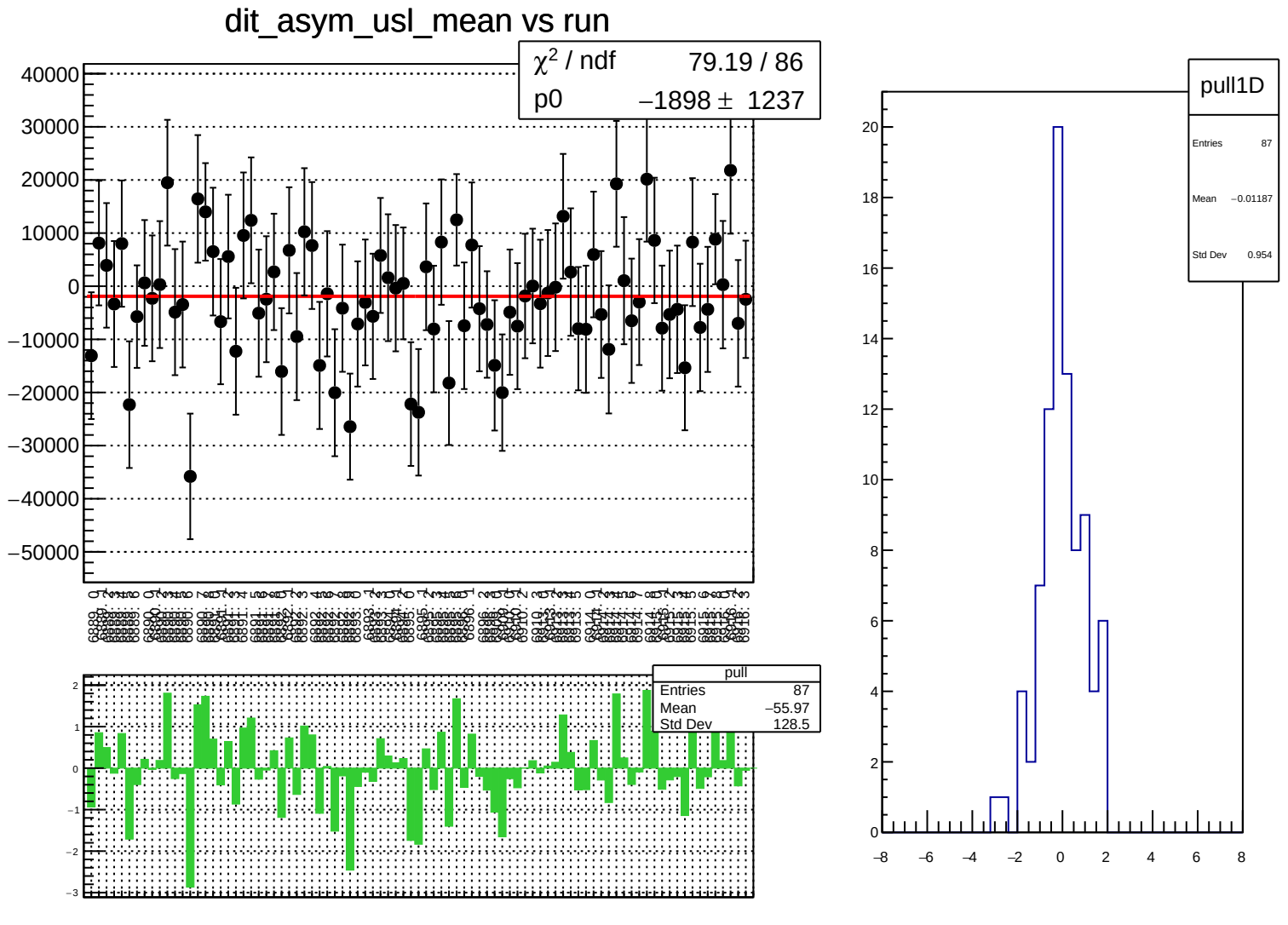

asym_us_dd_correction_mean vs run
χ² / ndf 104.7 / 86
p0 4416 ± 2077
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 6.495e+04
Std Dev 6.492e+04
2
1
0
−1
−2
pull1D
Entries 87
Mean −4.35e−05
Std Dev 1.097
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_dd_correction_rms vs run

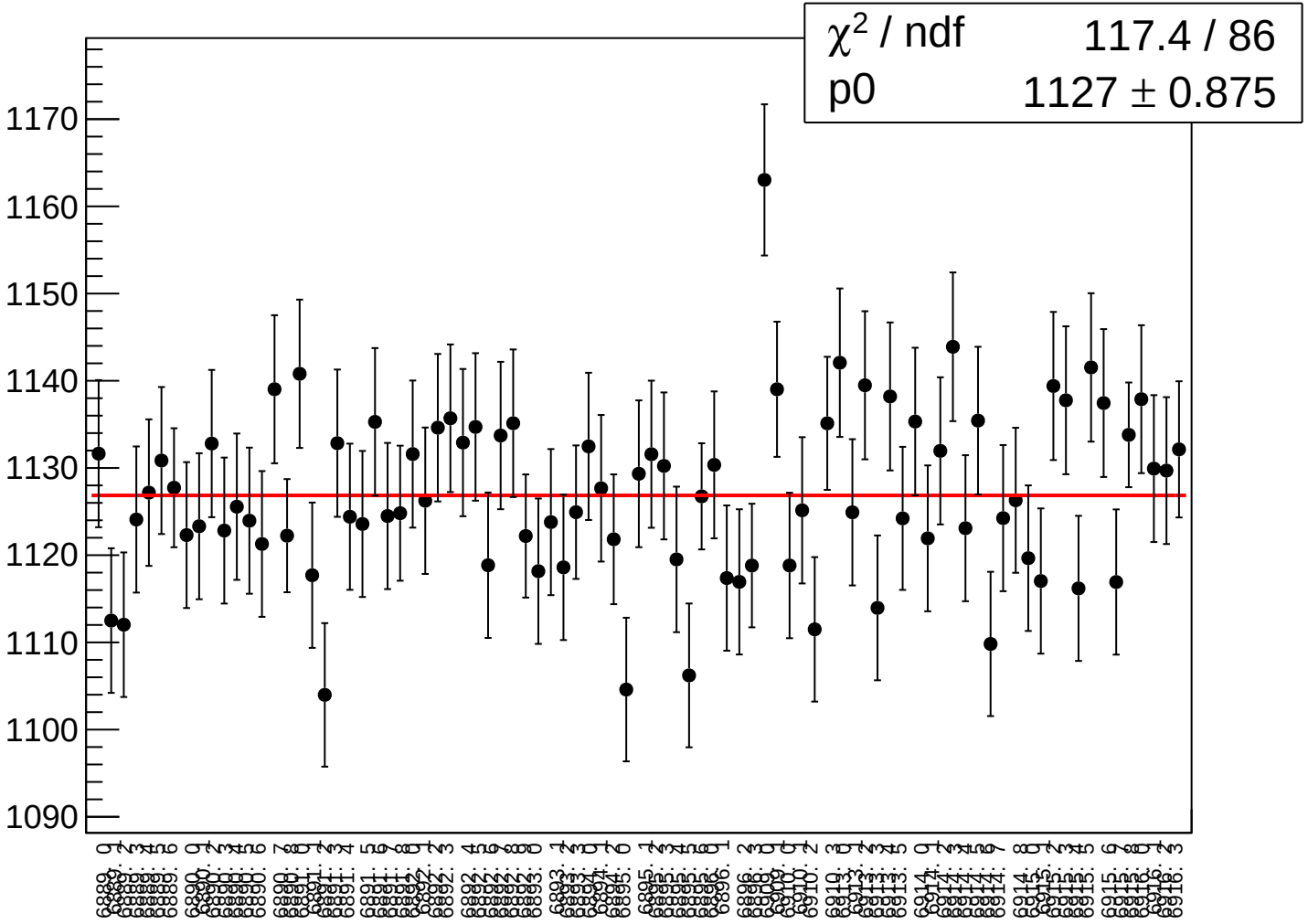


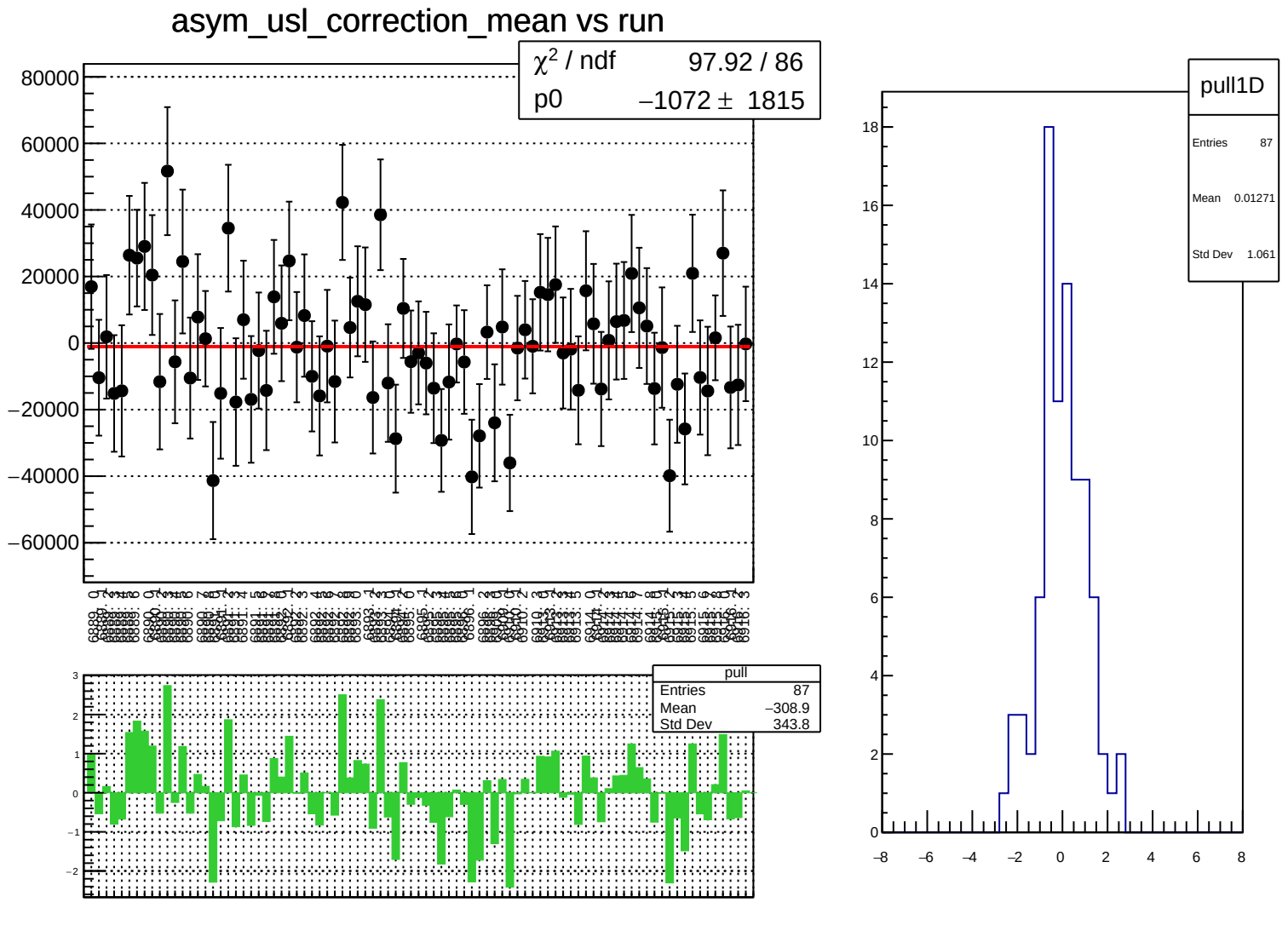

asym_us_dd_mean vs run
χ² / ndf 70.8 / 86
p0 1021 ± 1089
pull
Entries 87
Mean −689.8
Std Dev 742.4
pull1D
Entries 87
Mean −0.004072
Std Dev 0.9021


asym_us_dd_rms vs run
χ^2 / ndf 941.7 / 86
p0 991.3 ± 0.7699
1080
1060
1040
1020
1000
980
960
940

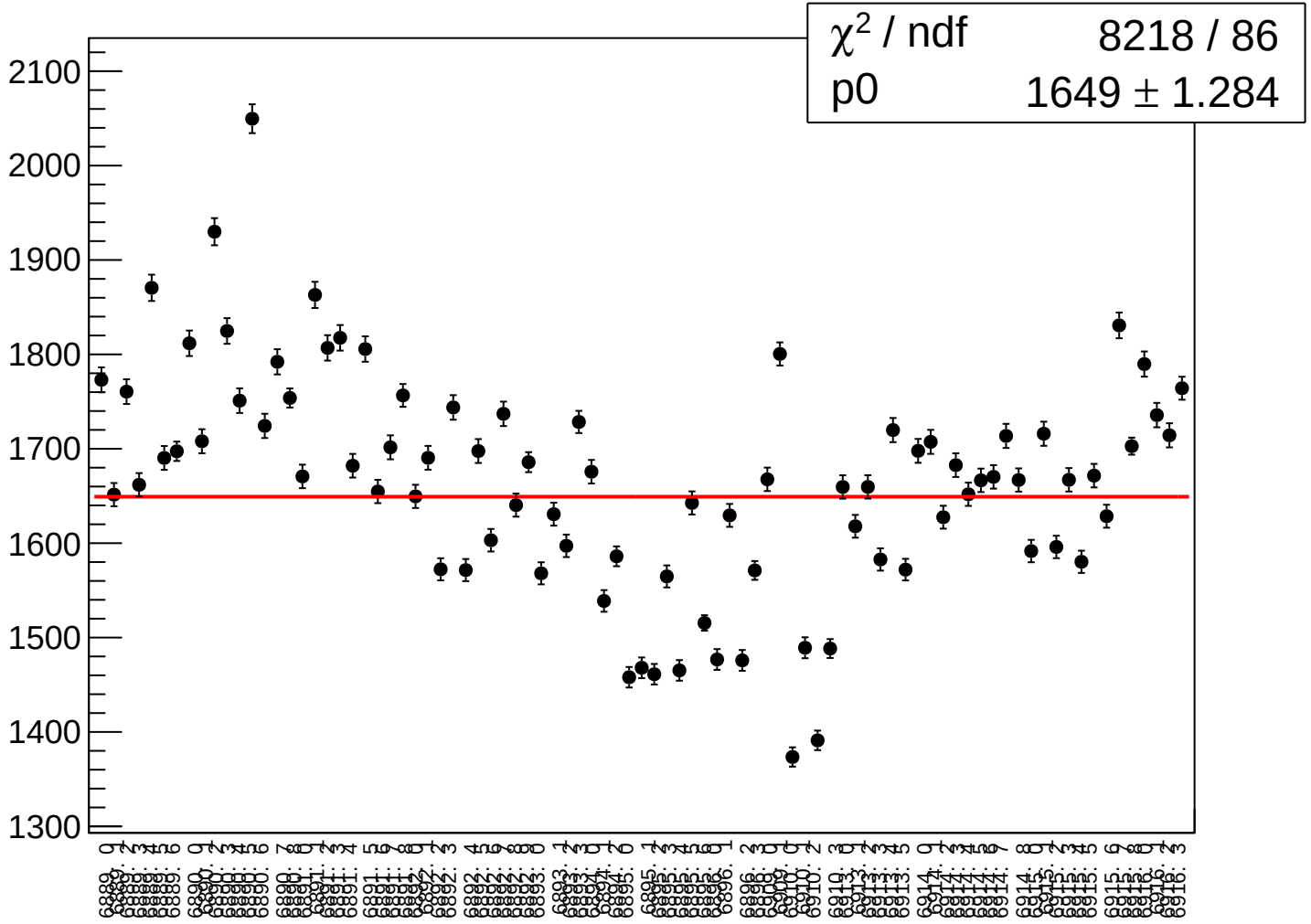

dit_asym_usl_mean vs run
χ² / ndf 79.19 / 86
p0 −1898 ± 1237
pull
Entries 87
Mean −55.97
Std Dev 128.5
pull1D
Entries 87
Mean −0.01187
Std Dev 0.954

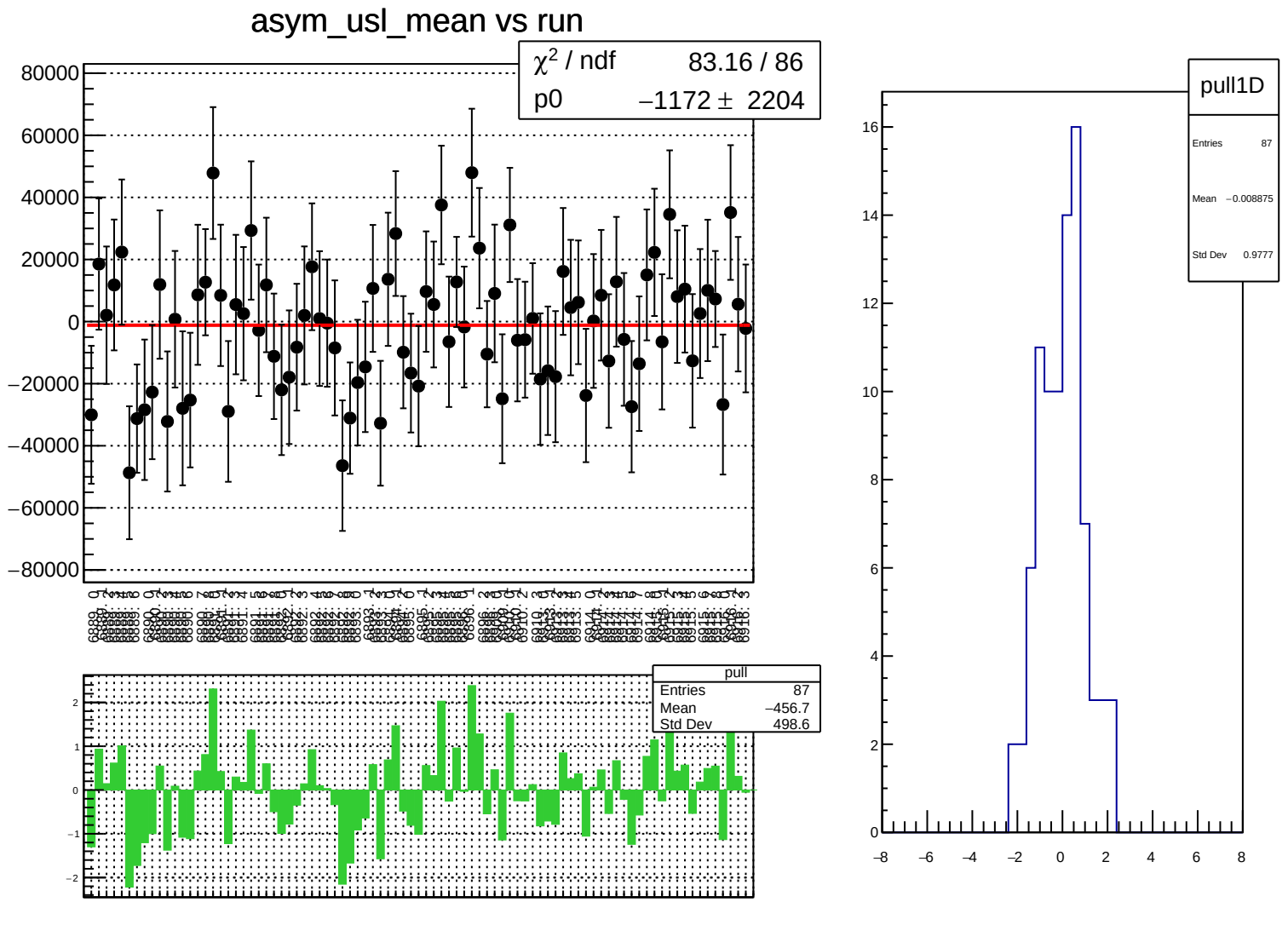
dit_asym_usl_rms vs run



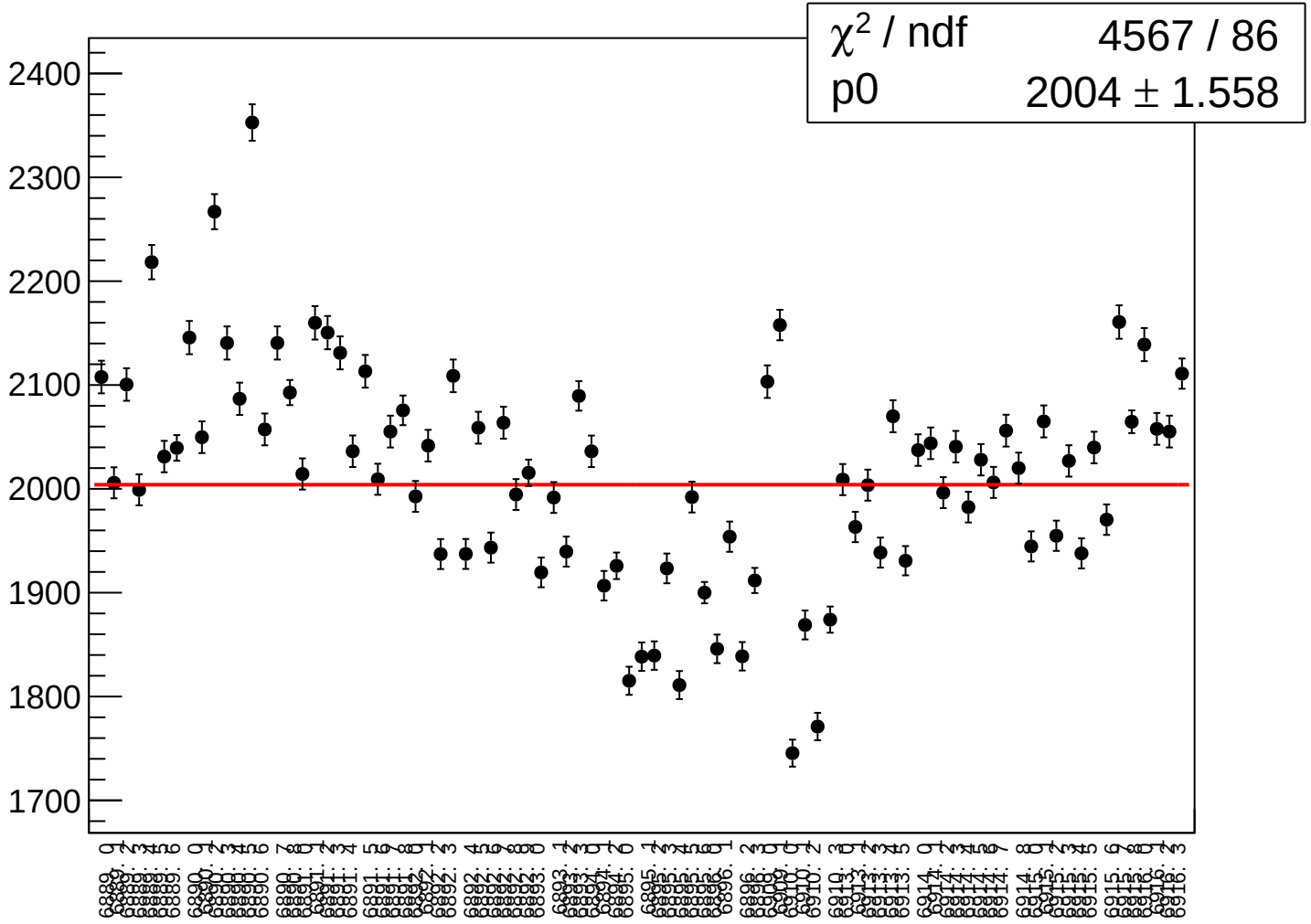

asym_usl_correction_mean vs run
χ² / ndf 97.92 / 86
p0 −1072 ± 1815
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −308.9
Std Dev 343.8
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01271
Std Dev 1.061
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

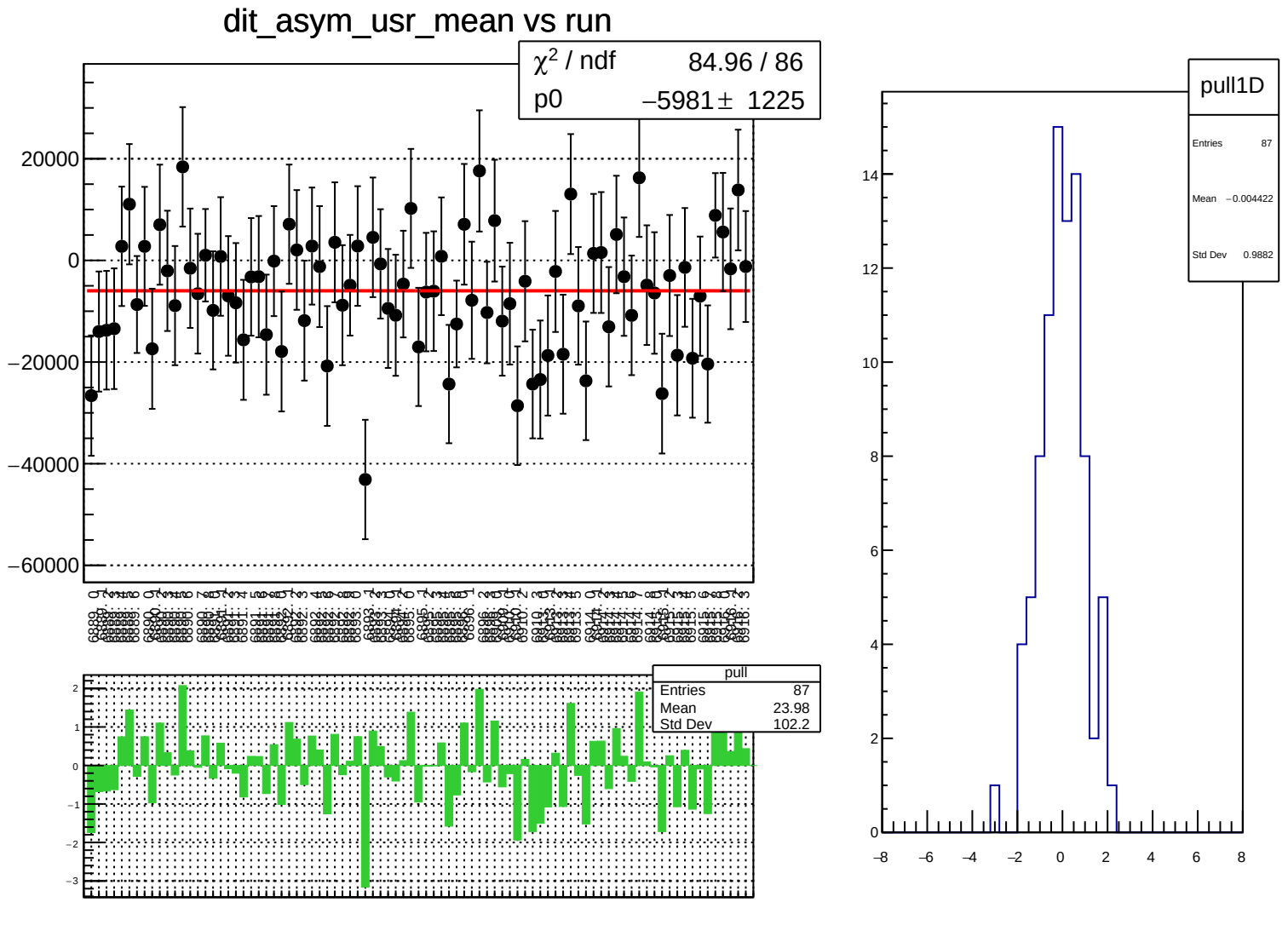
asym_usl_correction_rms vs run

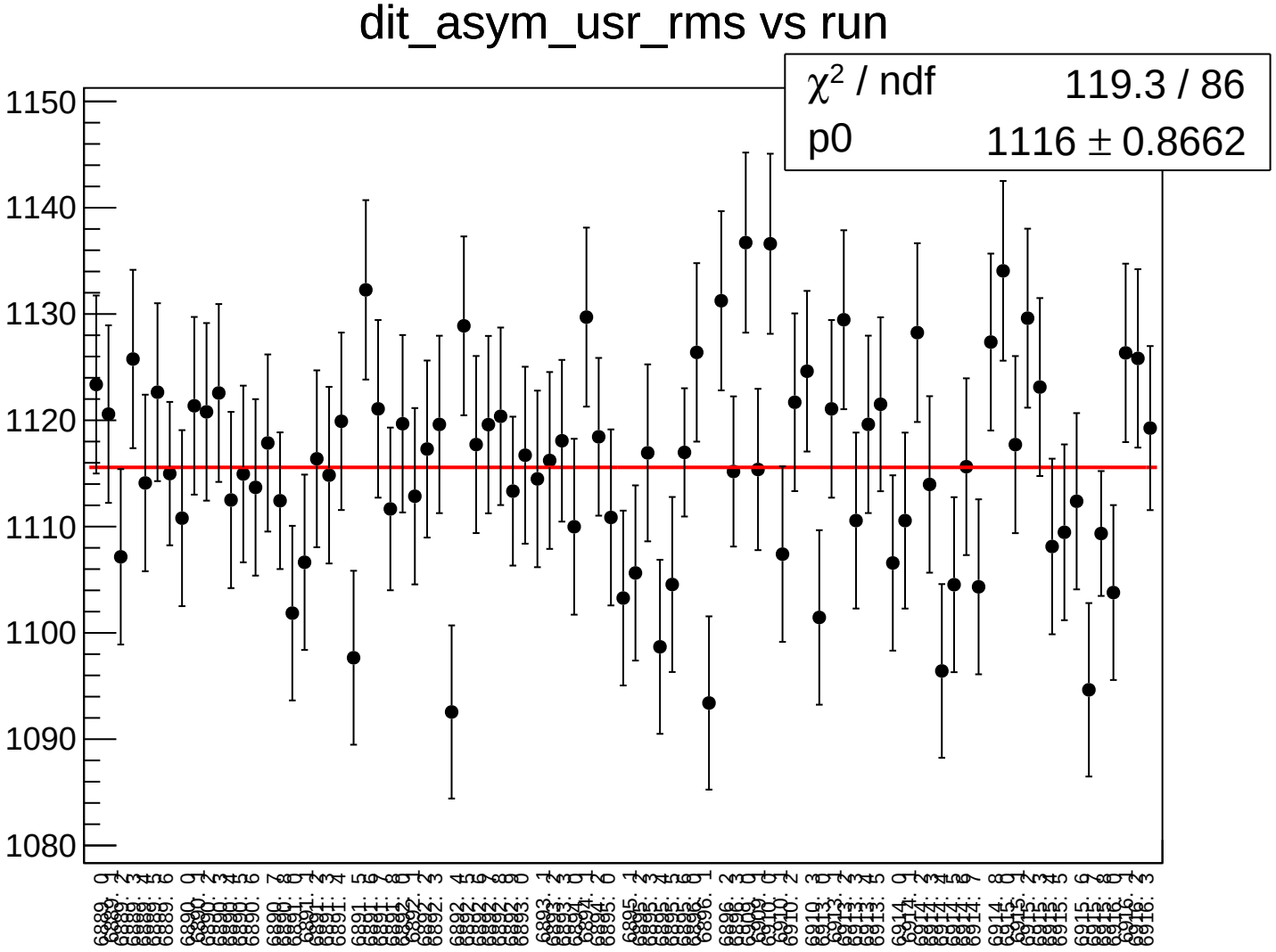


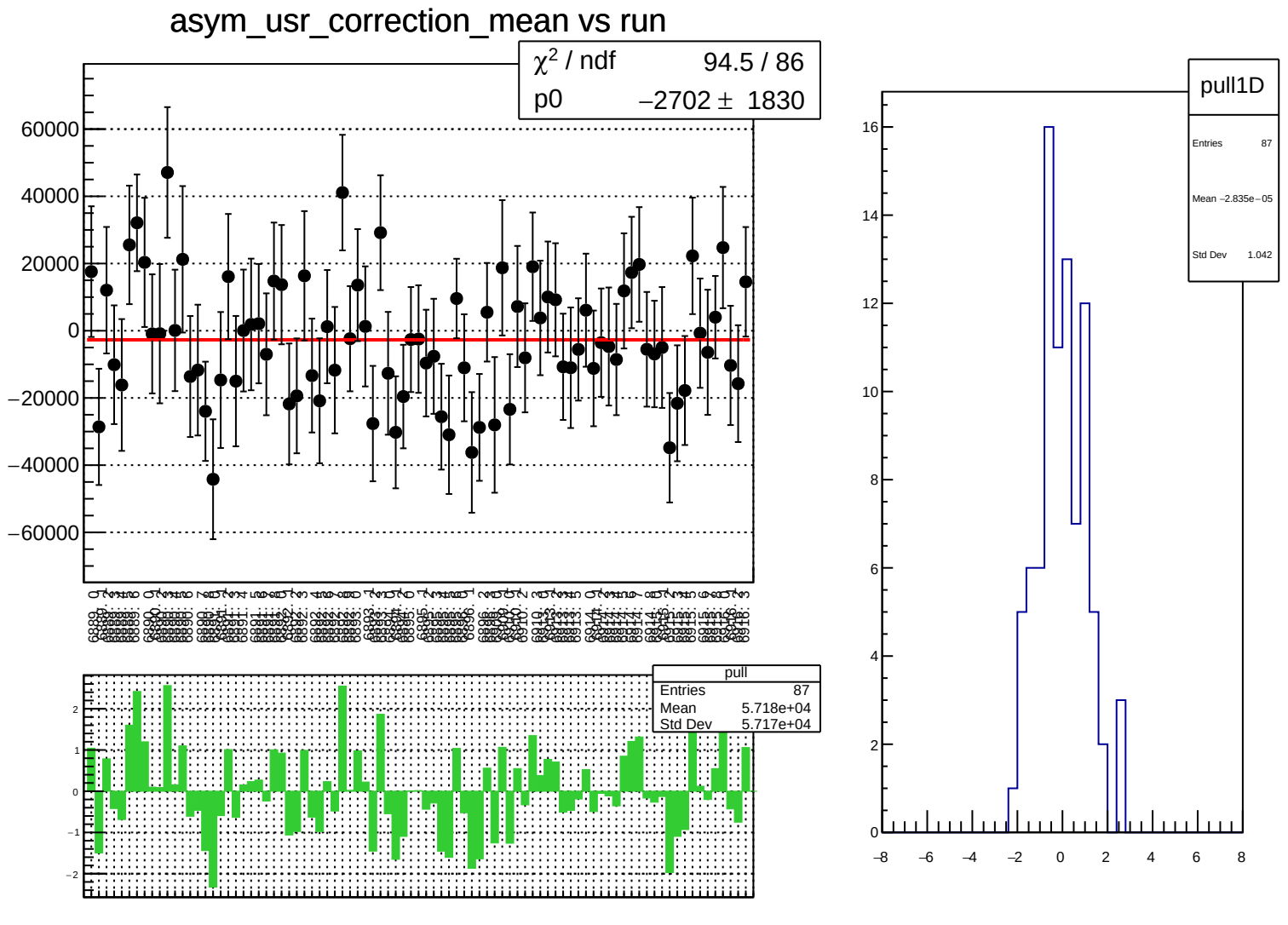

asym_usl_mean vs run
χ² / ndf 83.16 / 86
p0 −1172 ± 2204
pull
Entries 87
Mean −456.7
Std Dev 498.6
pull1D
Entries 87
Mean −0.008875
Std Dev 0.9777

asym_usl_rms vs run

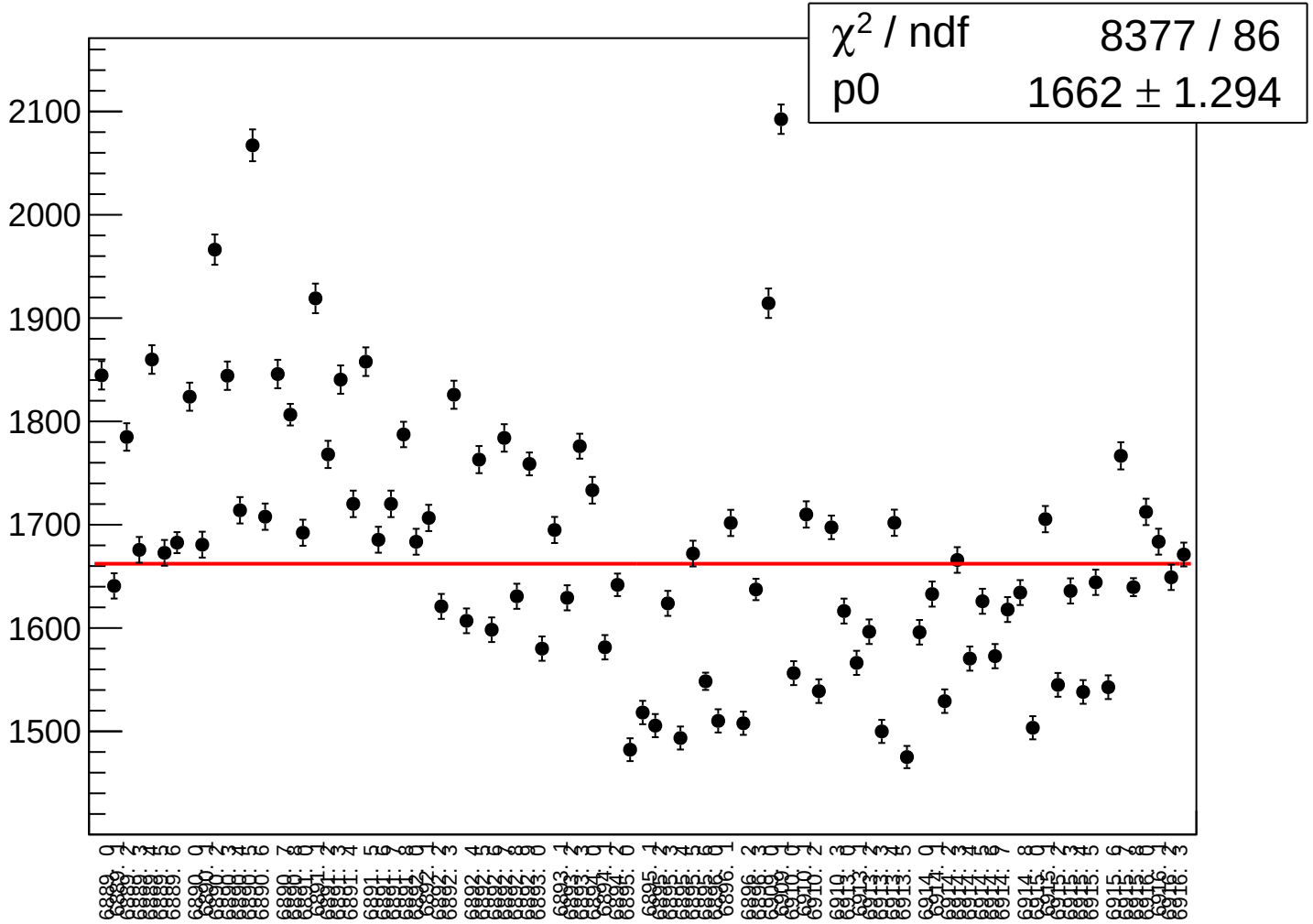


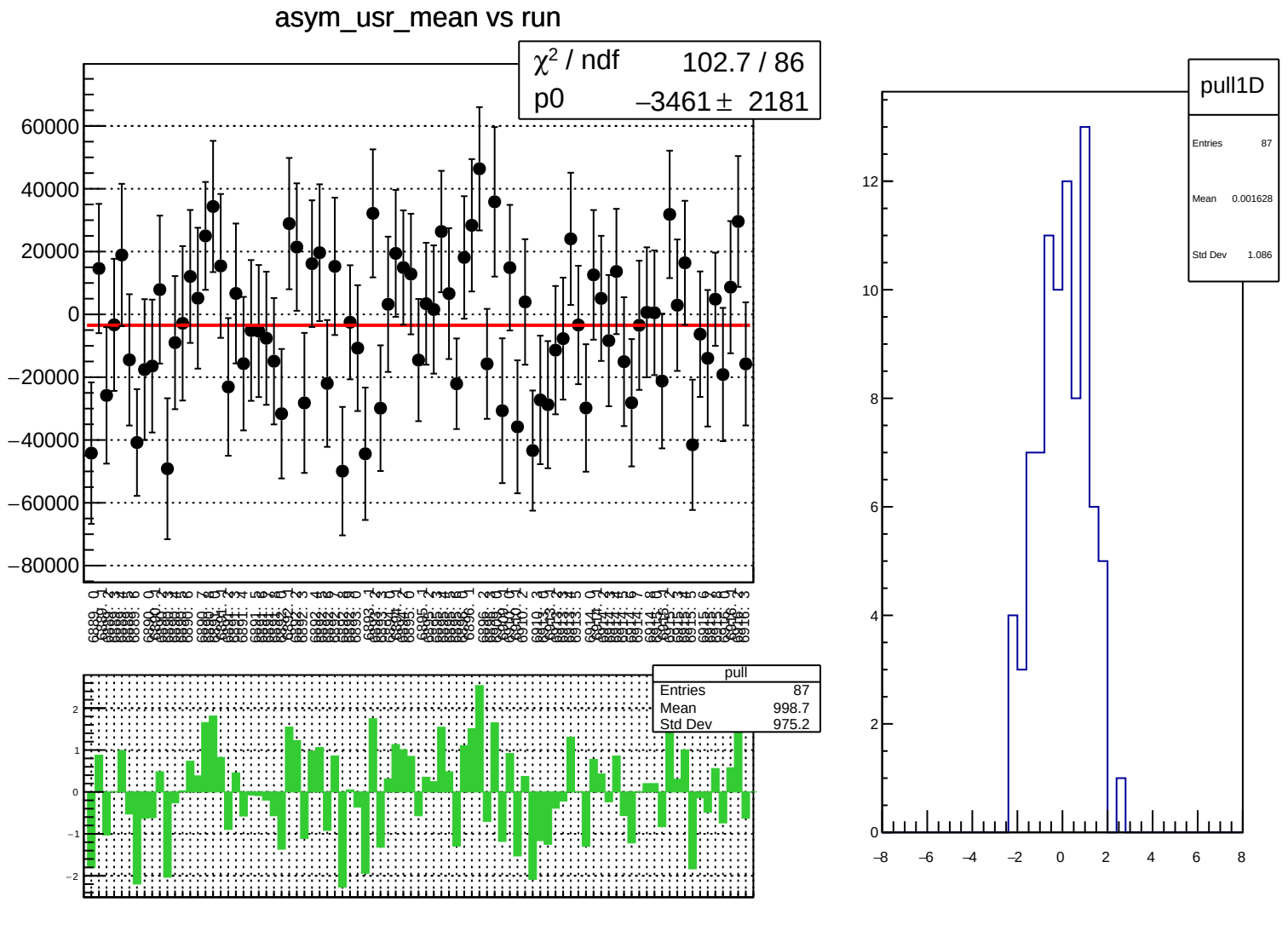

dit_asym_usr_mean vs run
χ² / ndf 84.96 / 86
p0 −5981 ± 1225
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 23.98
Std Dev 102.2
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.004422
Std Dev 0.9882
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

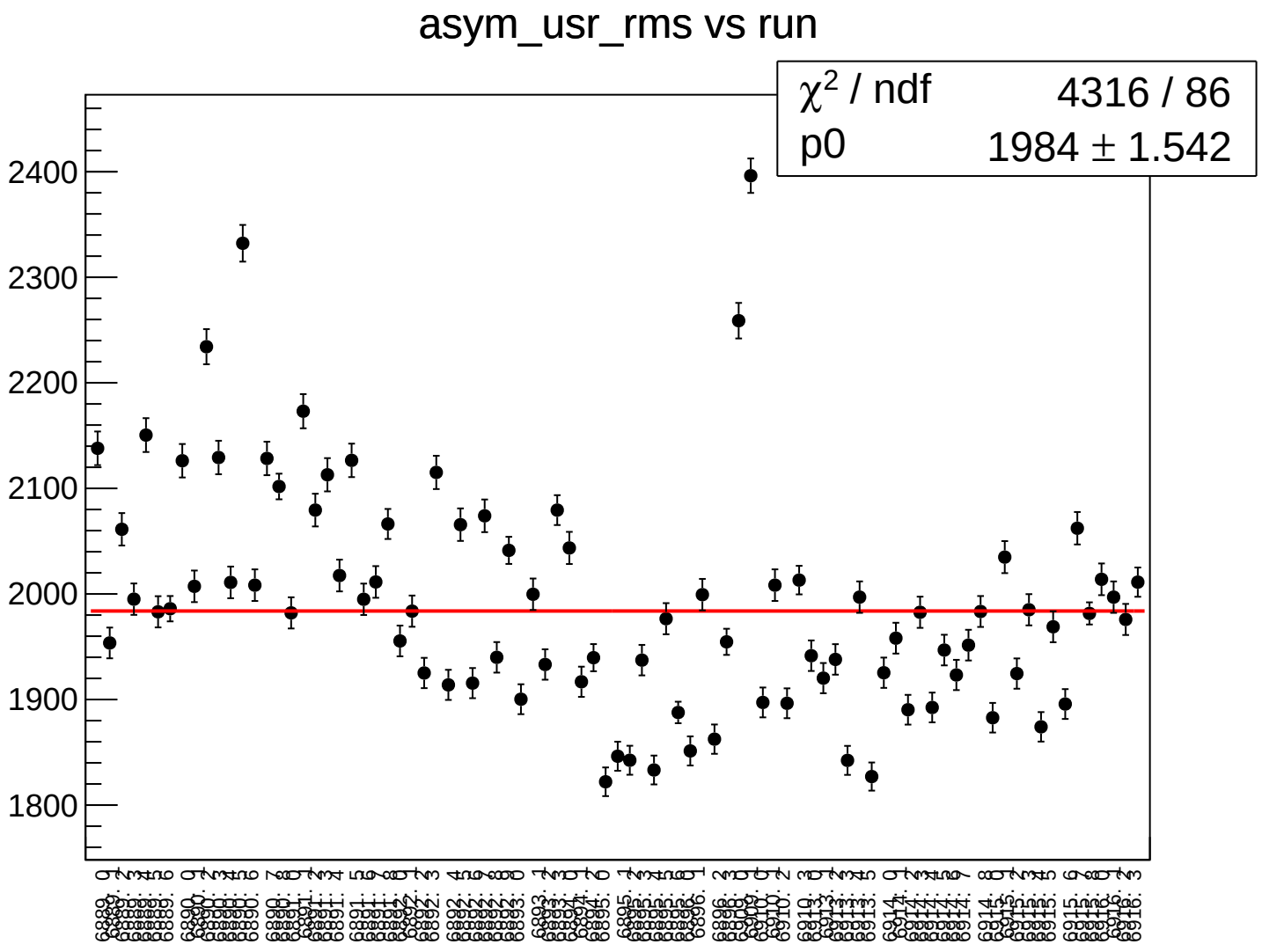

dit_asym_usr_rms vs run
χ² / ndf 119.3 / 86
p0 1116 ± 0.8662
1150
1140
1130
1120
1110
1100
1090
1080

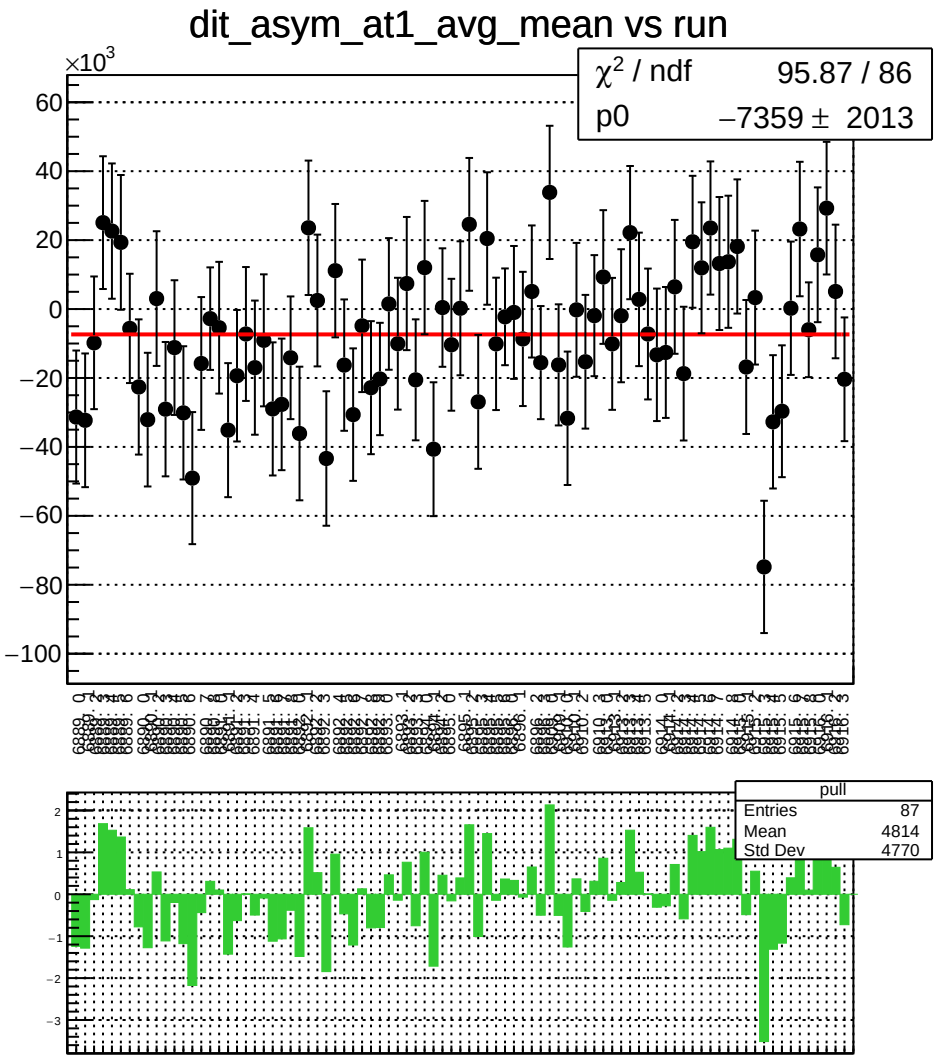

asym_usr_correction_mean vs run
χ² / ndf 94.5 / 86
p0 −2702 ± 1830
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 5.718e+04
Std Dev 5.717e+04
2
1
0
−1
−2
pull1D
Entries 87
Mean −2.835e−05
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

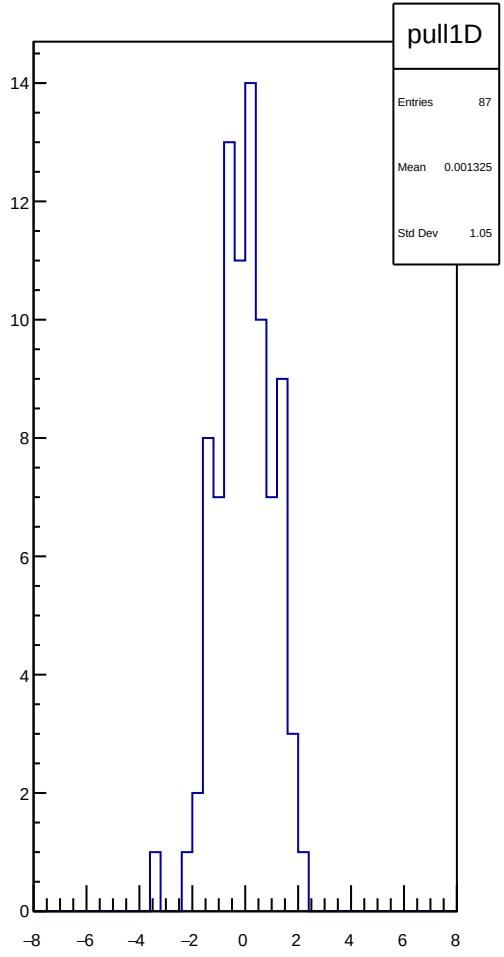
asym_usr_correction_rms vs run



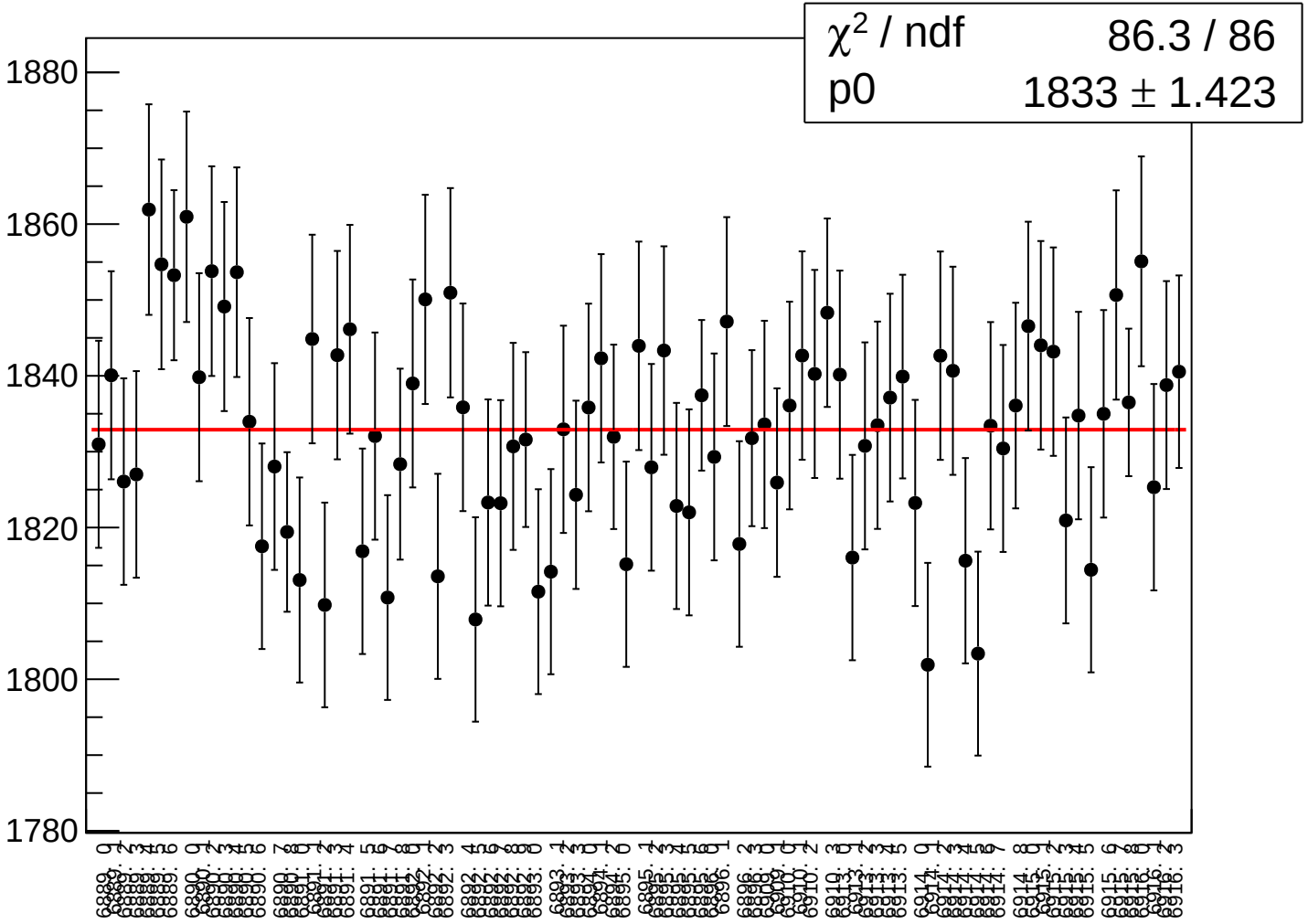

asym_usr_mean vs run
χ² / ndf 102.7 / 86
p0 −3461 ± 2181
pull
Entries 87
Mean 998.7
Std Dev 975.2
pull1D
Entries 87
Mean 0.001628
Std Dev 1.086

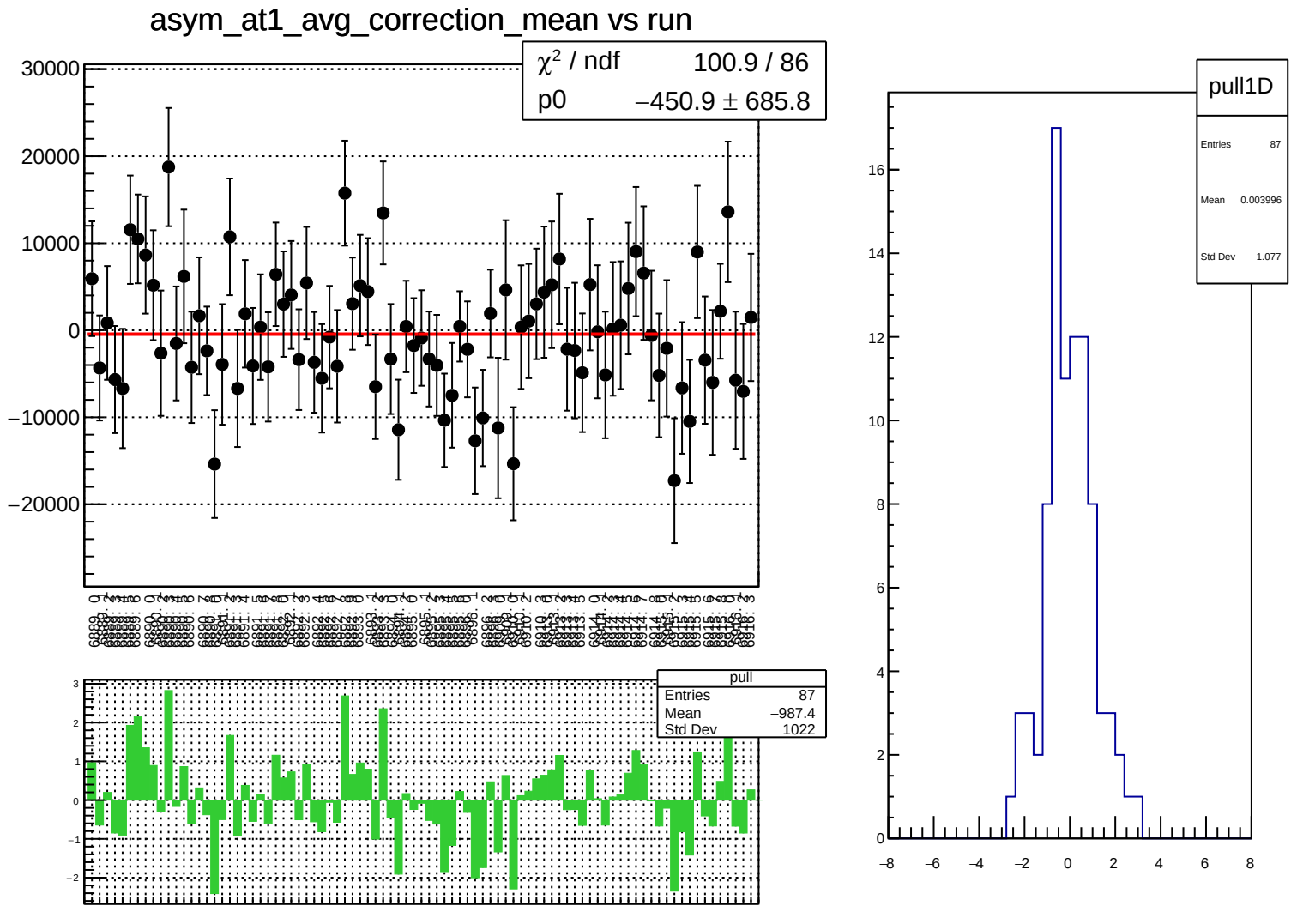

asym_usr_rms vs run
χ² / ndf 4316 / 86
p0 1984 ± 1.542
2400
2300
2200
2100
2000
1900
1800


dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 95.87 / 86
p0 −7359 ± 2013
pull
Entries 87
Mean 4814
Std Dev 4770

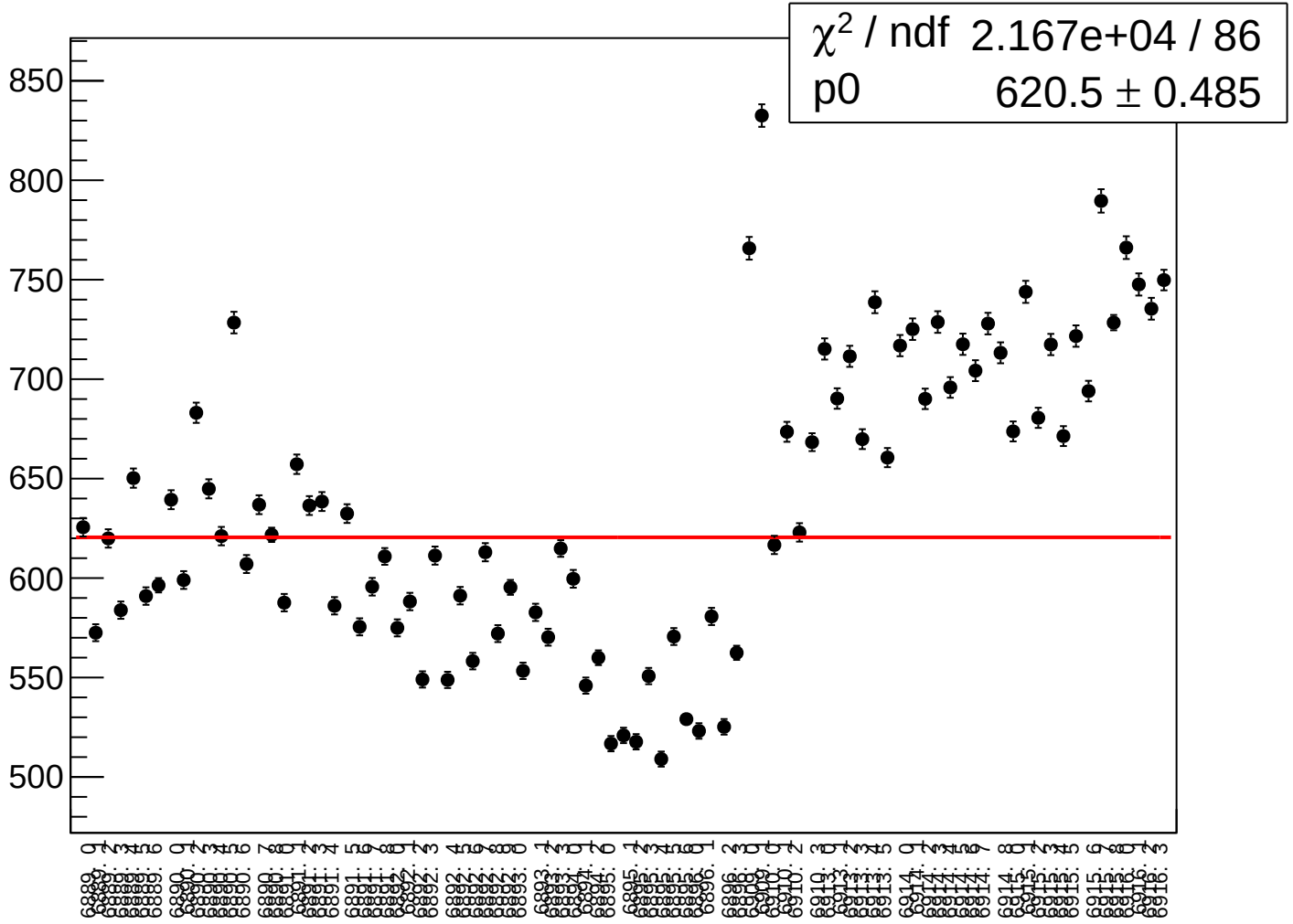

pull1D
Entries 87
Mean 0.001325
Std Dev 1.05

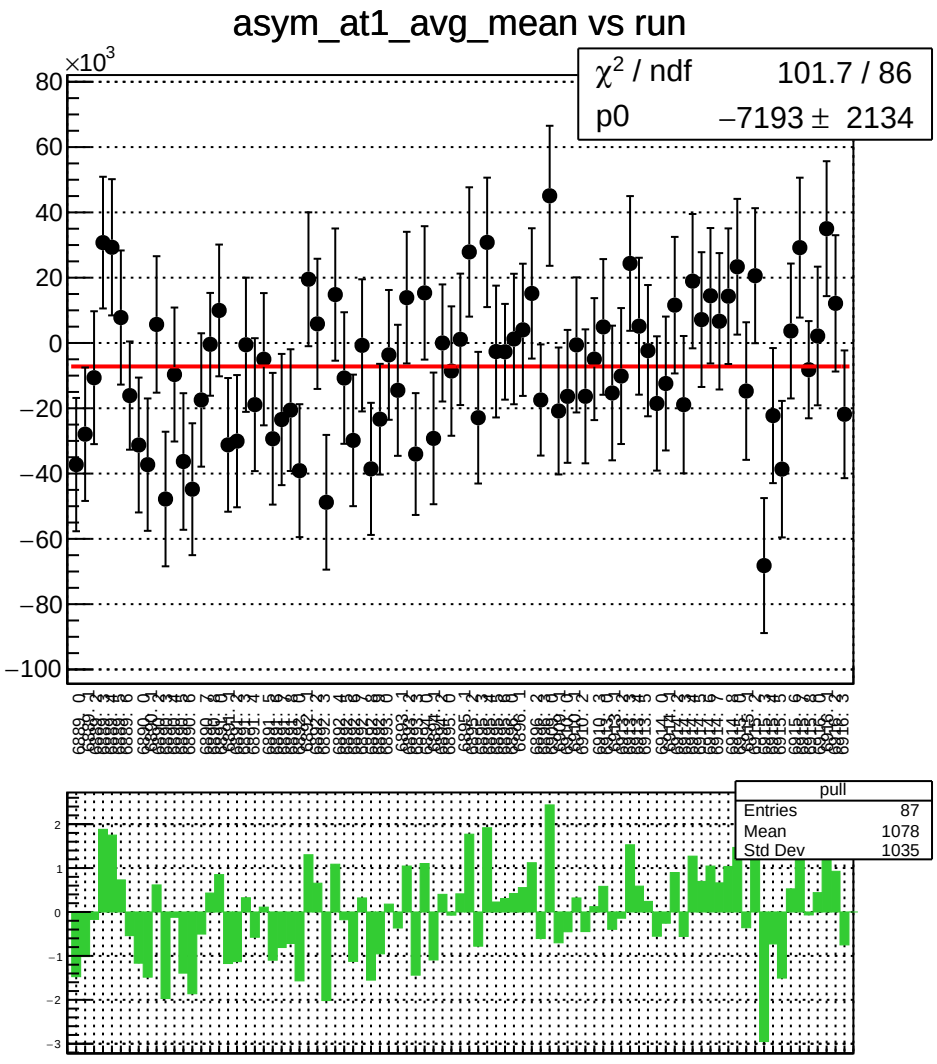
dit_asym_at1_avg_rms vs run

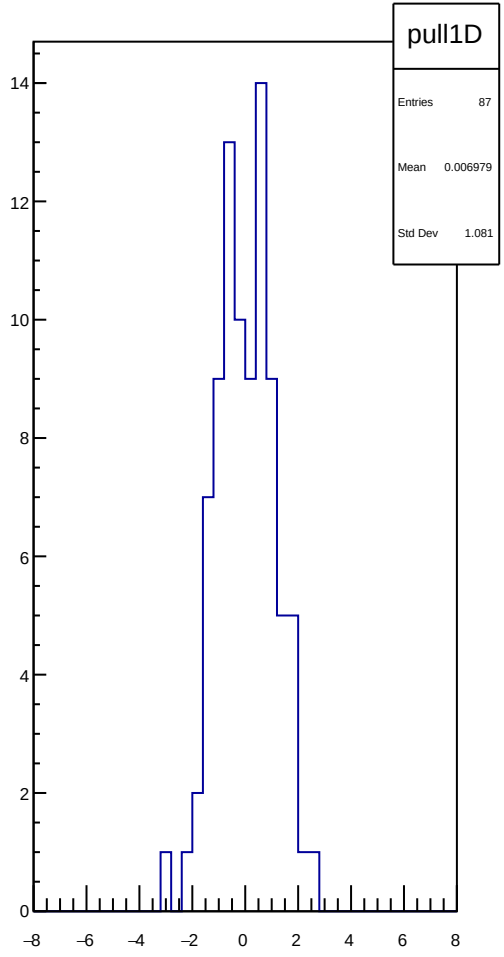


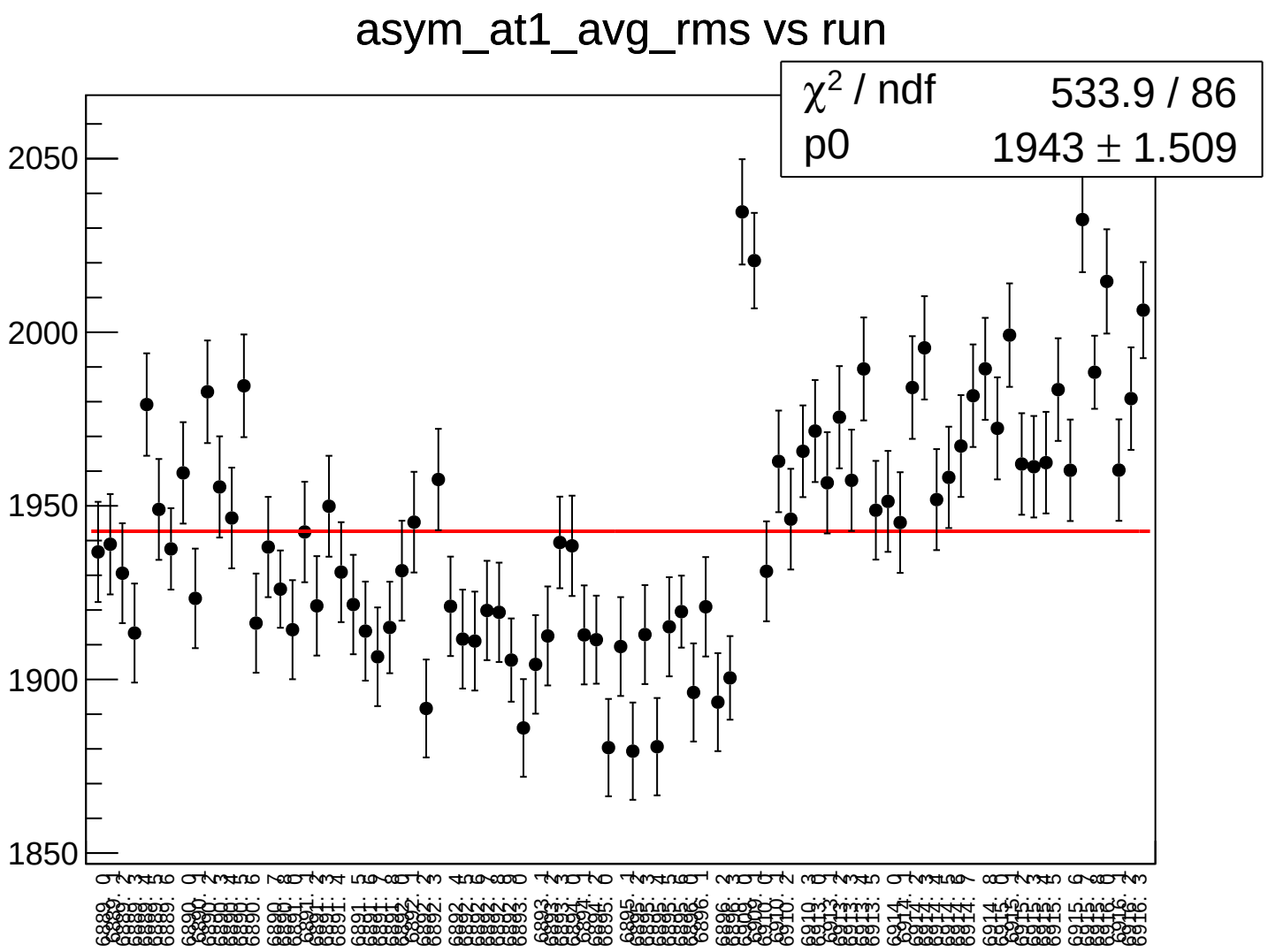

asym_at1_avg_correction_mean vs run
χ² / ndf 100.9 / 86
p0 −450.9 ± 685.8
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −987.4
Std Dev 1022
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.003996
Std Dev 1.077
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

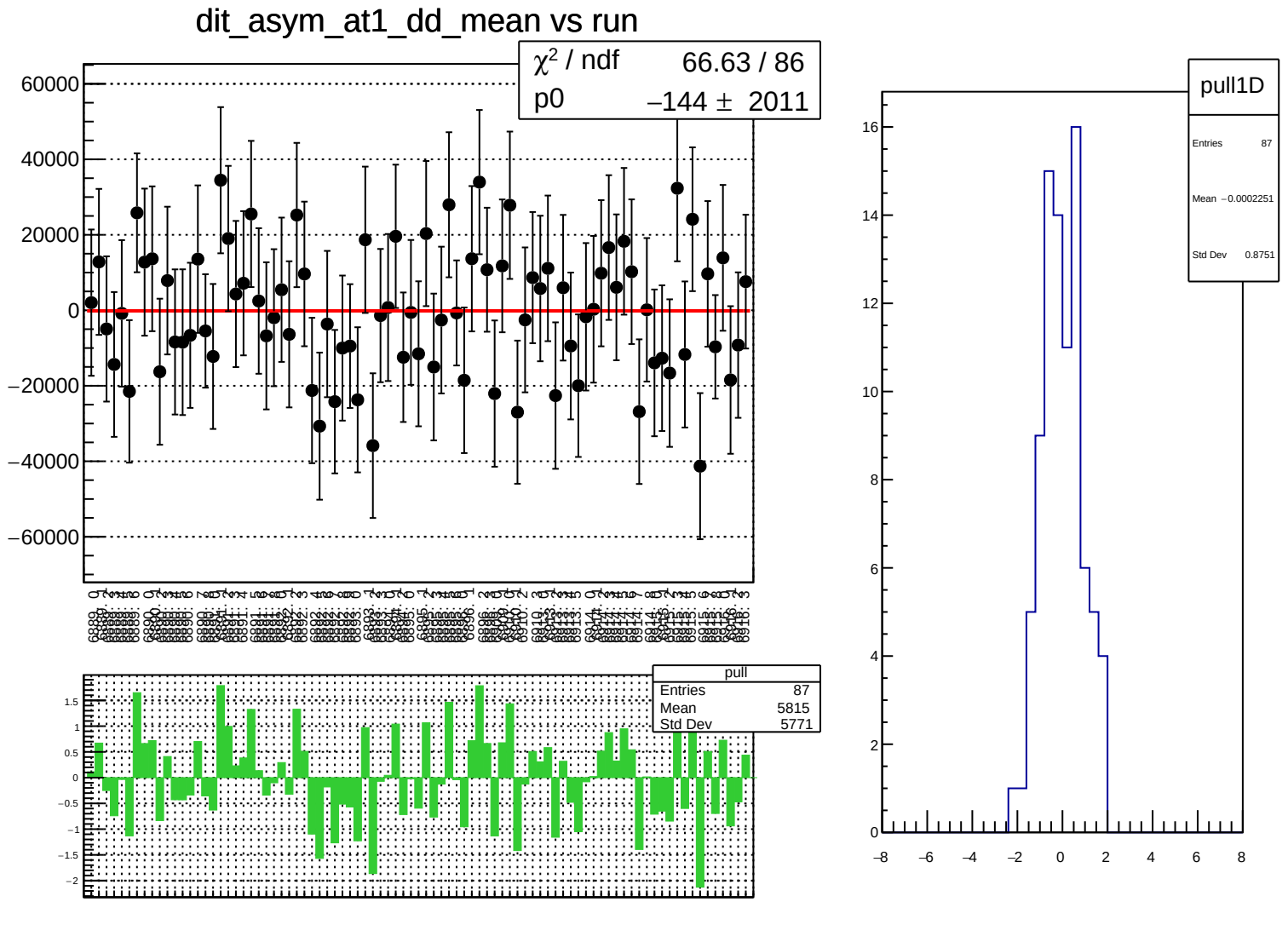
asym_at1_avg_correction_rms vs run

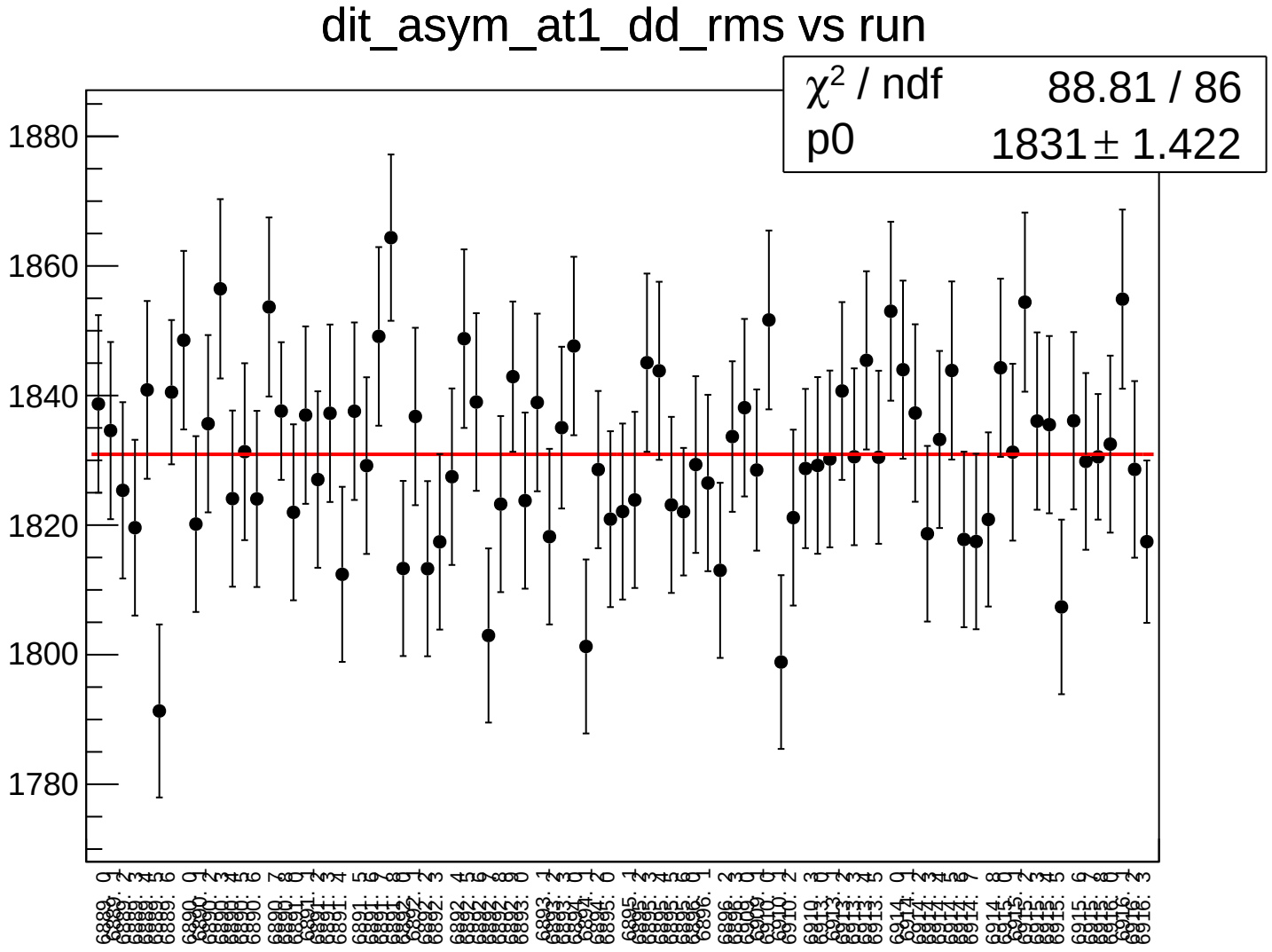


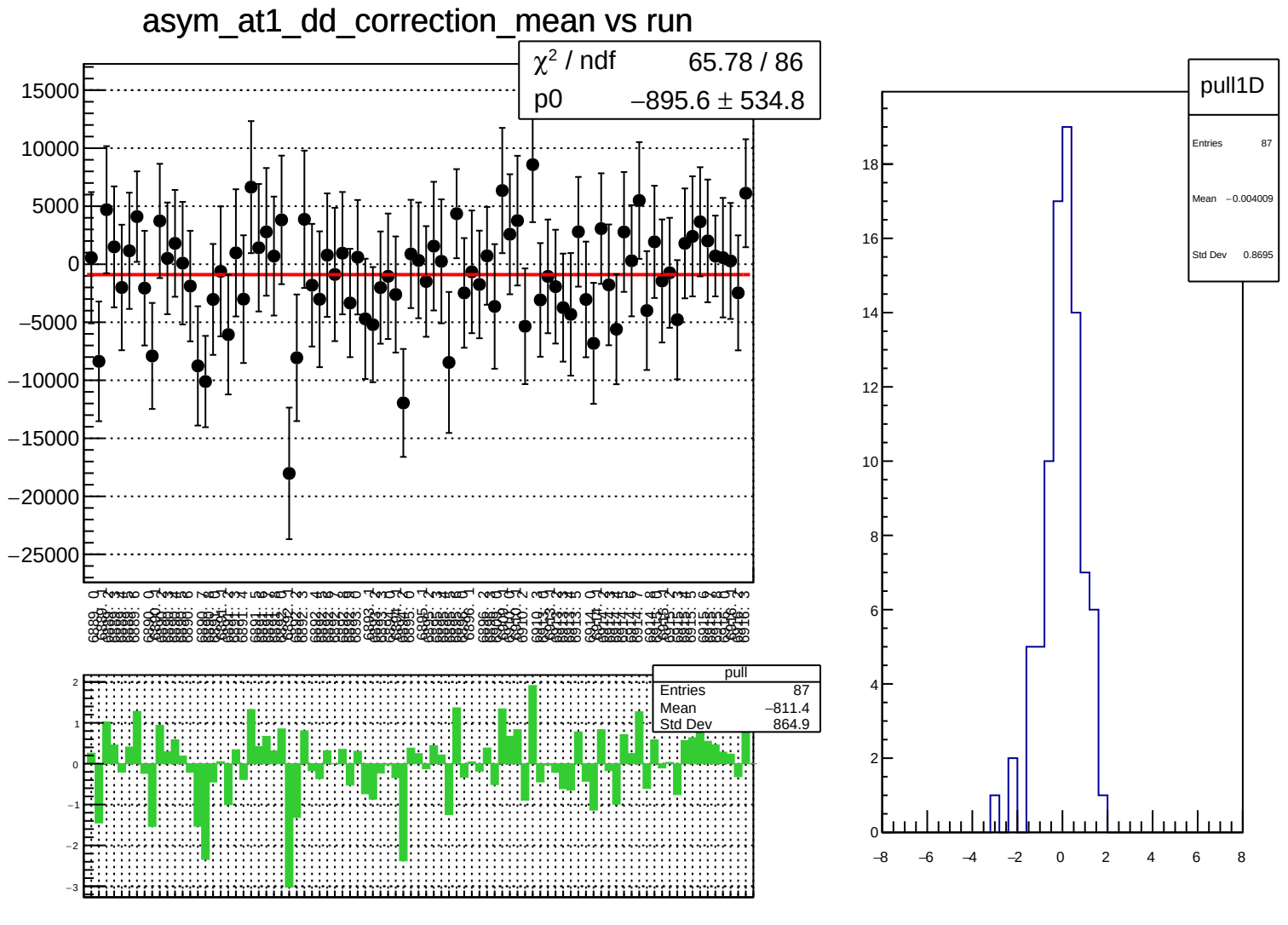

asym_at1_avg_mean vs run
χ^2 / ndf 101.7 / 86
p0 −7193 ± 2134
×10^3
pull
Entries 87
Mean 1078
Std Dev 1035


pull1D
Entries 87
Mean 0.006979
Std Dev 1.081

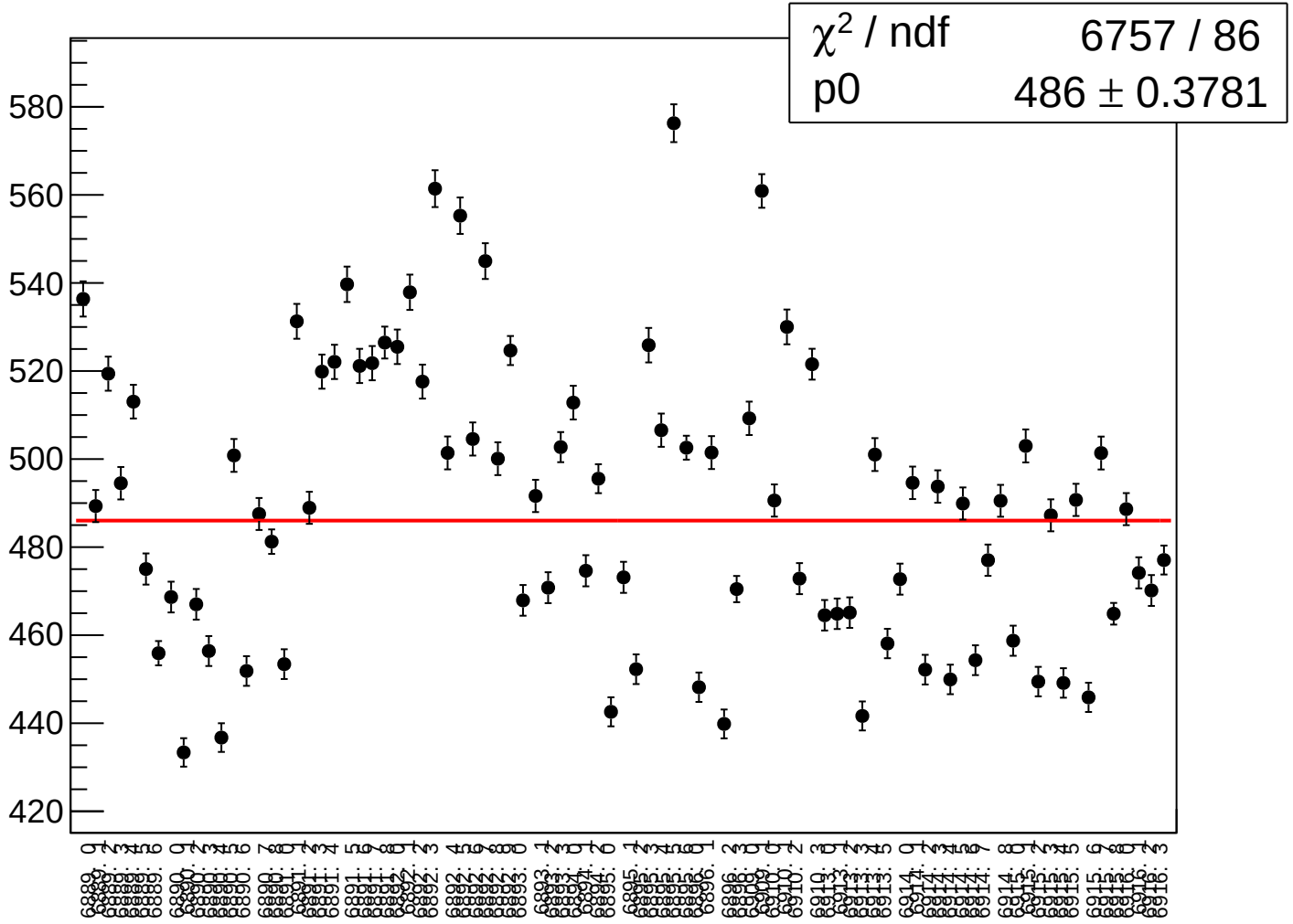

asym_at1_avg_rms vs run
χ^2 / ndf 533.9 / 86
p0 1943 ± 1.509
2050
2000
1950
1900
1850

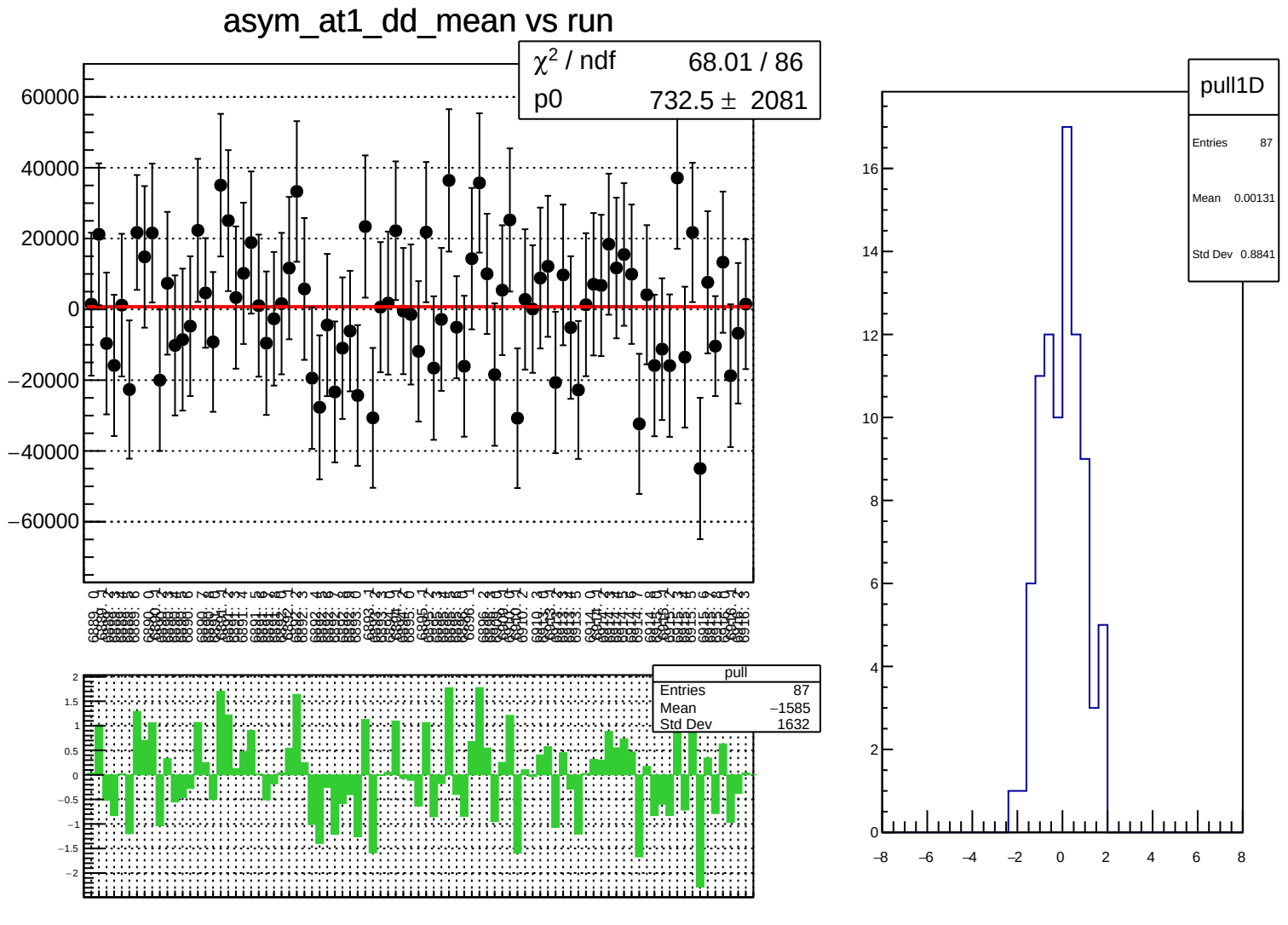

dit_asym_at1_dd_mean vs run
χ² / ndf 66.63 / 86
p0 −144 ± 2011
pull
Entries 87
Mean 5815
Std Dev 5771
pull1D
Entries 87
Mean −0.0002251
Std Dev 0.8751

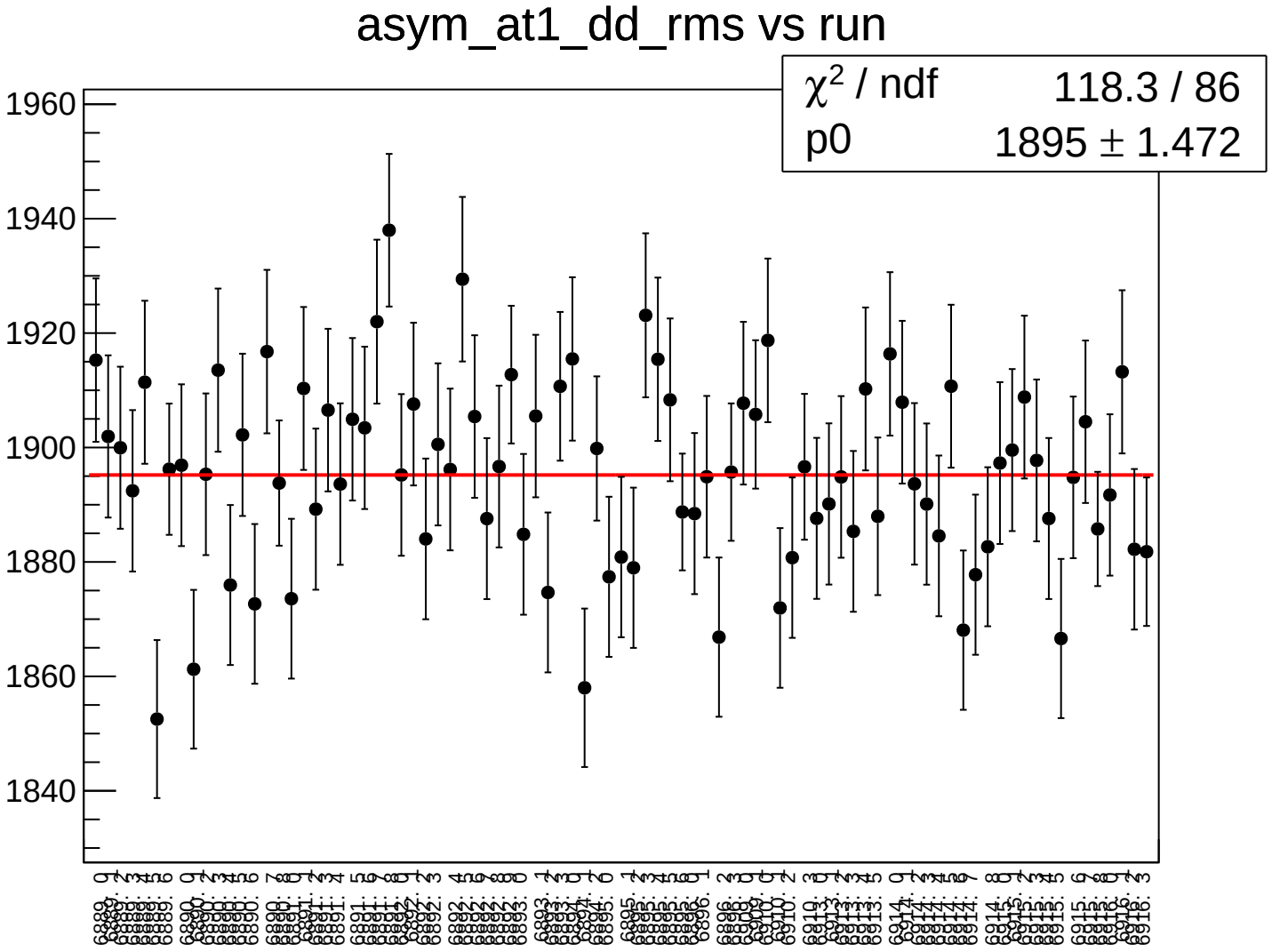

dit_asym_at1_dd_rms vs run
χ² / ndf 88.81 / 86
p0 1831 ± 1.422
1880
1860
1840
1820
1800
1780

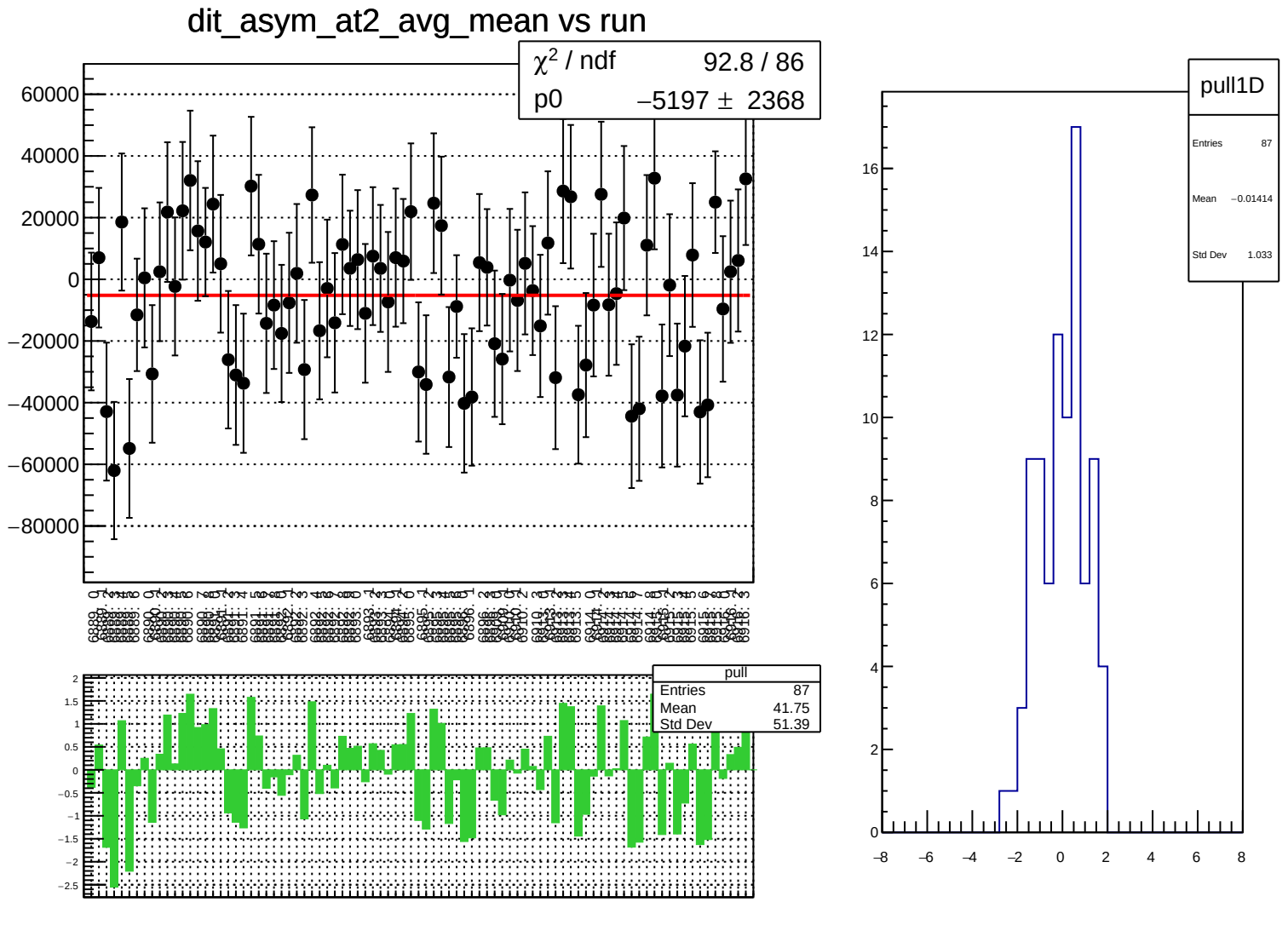

asym_at1_dd_correction_mean vs run
χ² / ndf 65.78 / 86
p0 −895.6 ± 534.8
pull
Entries 87
Mean −811.4
Std Dev 864.9
pull1D
Entries 87
Mean −0.004009
Std Dev 0.8695

asym_at1_dd_correction_rms vs run

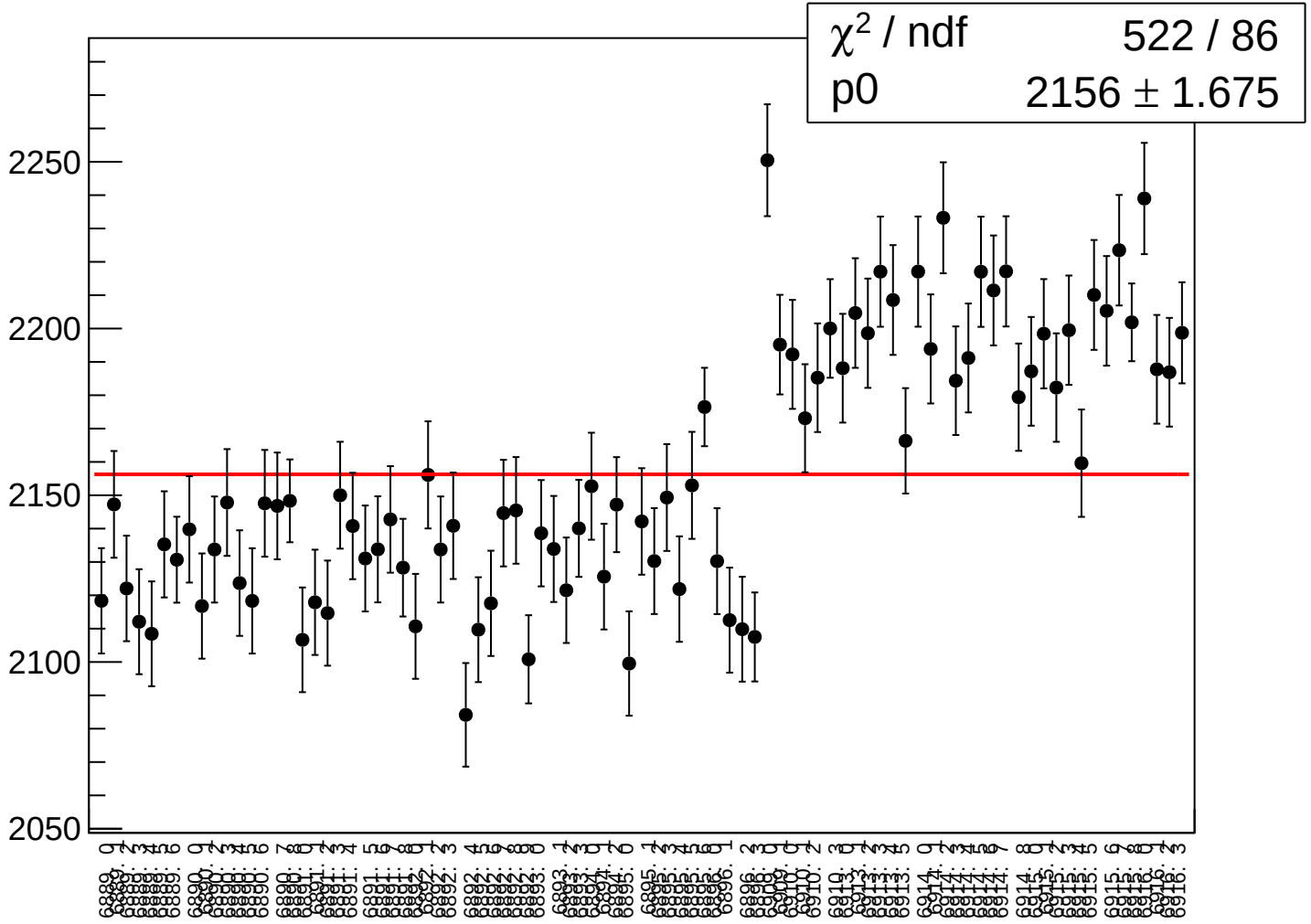


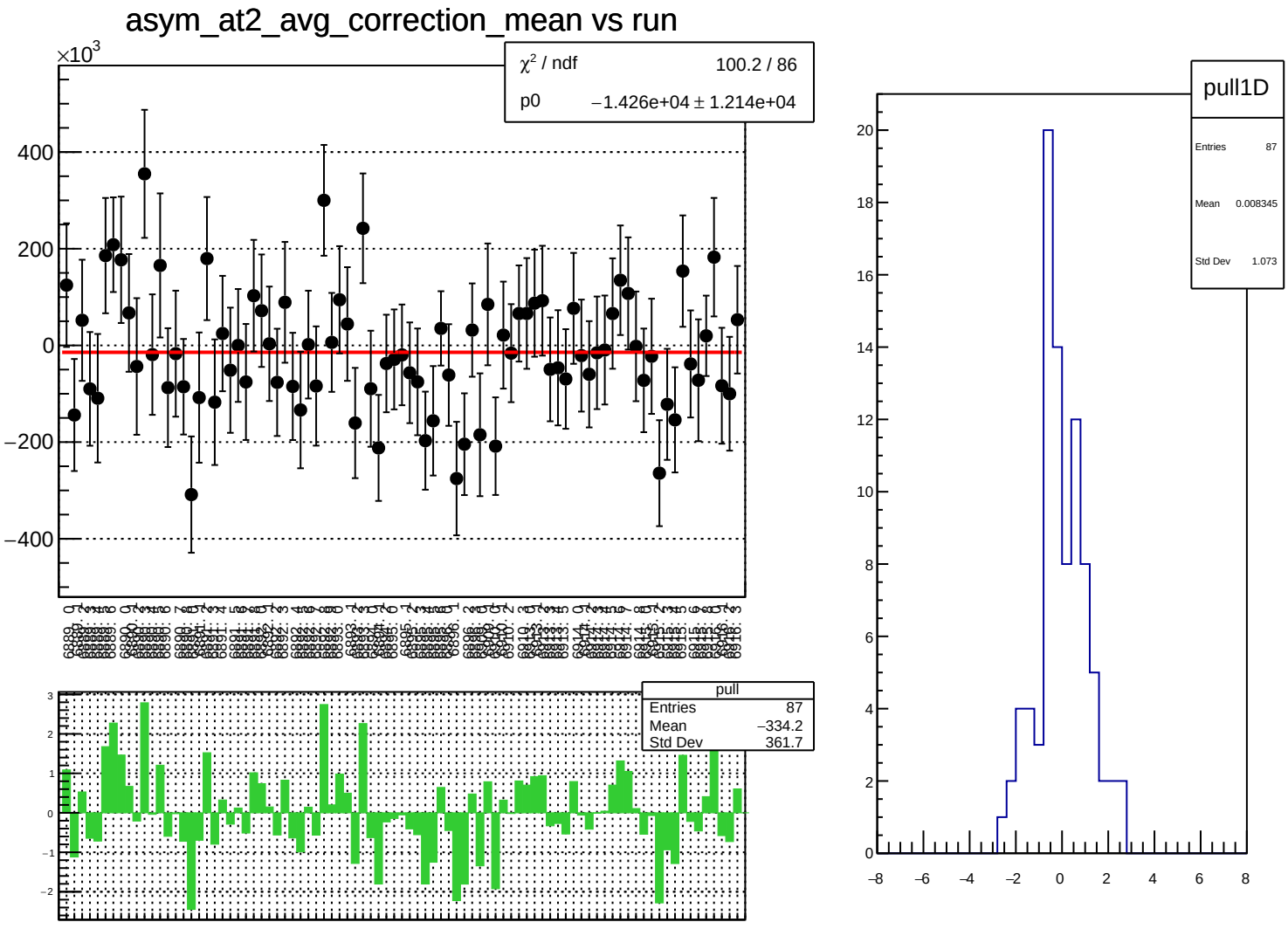

asym_at1_dd_mean vs run
χ² / ndf 68.01 / 86
p0 732.5 ± 2081
pull
Entries 87
Mean −1585
Std Dev 1632
pull1D
Entries 87
Mean 0.00131
Std Dev 0.8841


asym_at1_dd_rms vs run
χ² / ndf 118.3 / 86
p0 1895 ± 1.472
1960
1940
1920
1900
1880
1860
1840

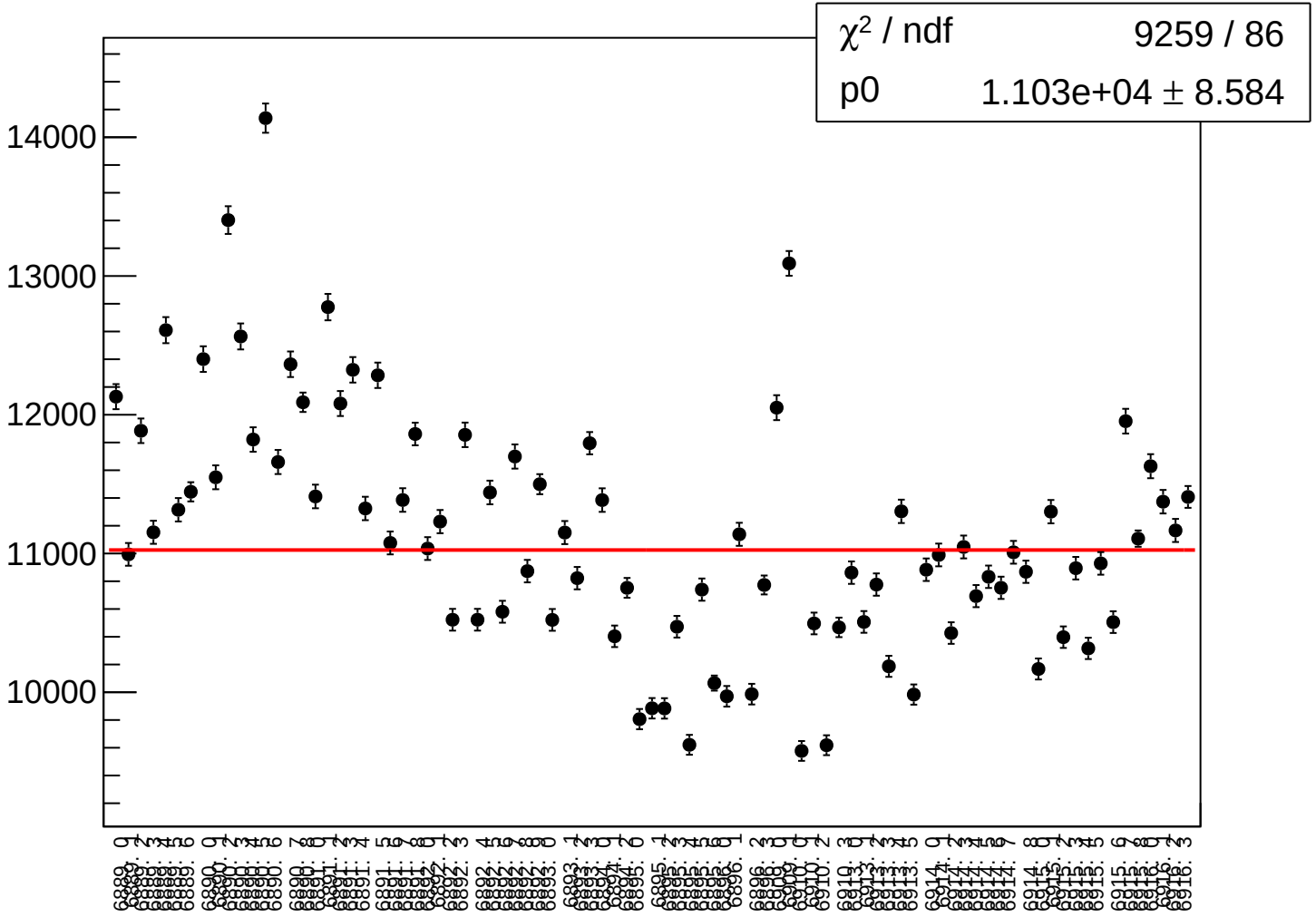

dit_asym_at2_avg_mean vs run
χ² / ndf 92.8 / 86
p0 −5197 ± 2368
pull
Entries 87
Mean 41.75
Std Dev 51.39
pull1D
Entries 87
Mean −0.01414
Std Dev 1.033

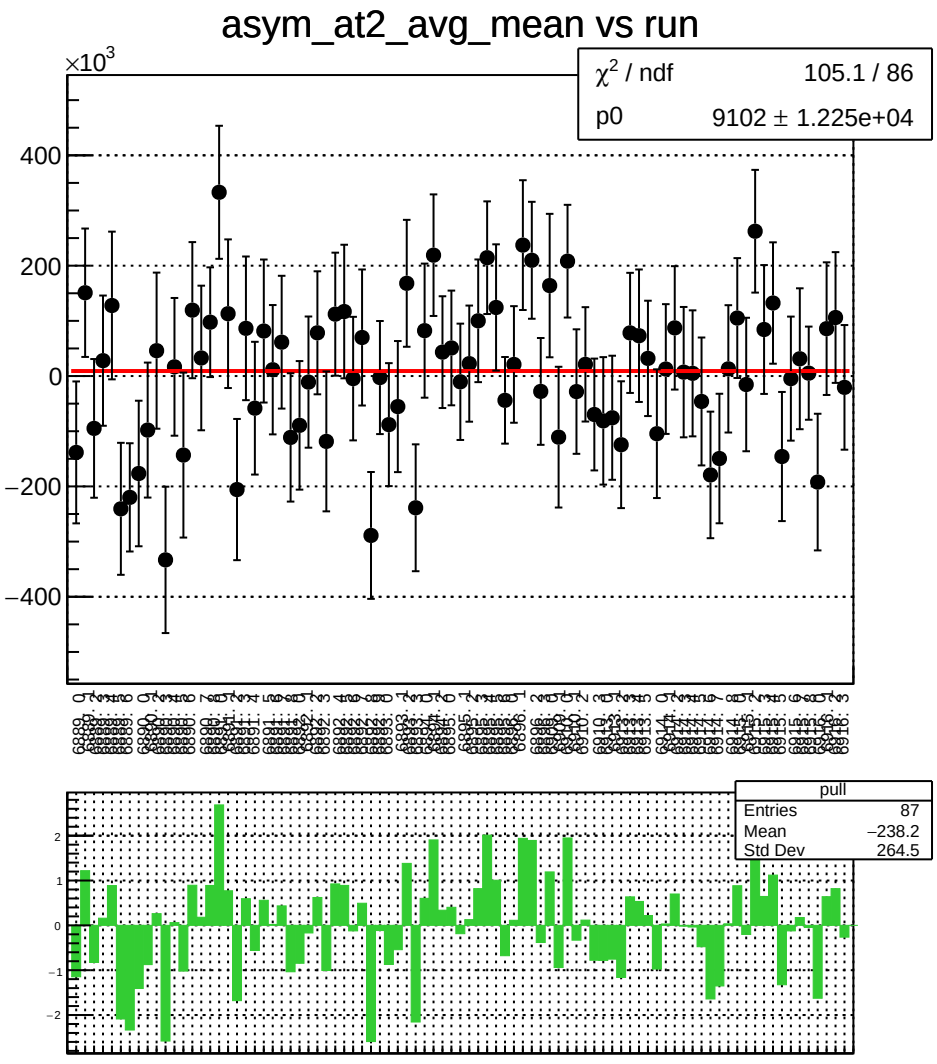
dit_asym_at2_avg_rms vs run

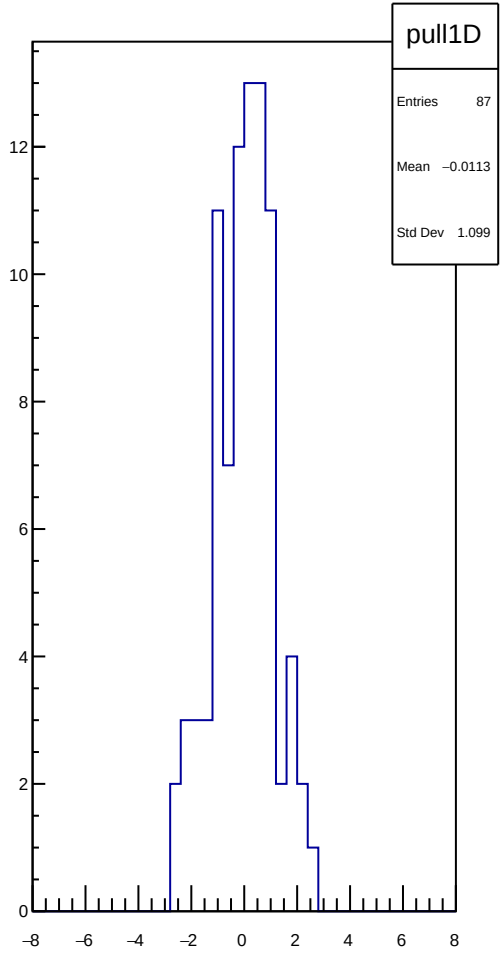



asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 100.2 / 86
p0 −1.426e+04 ± 1.214e+04
400
200
0
−200
−400
pull
Entries 87
Mean −334.2
Std Dev 361.7
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.008345
Std Dev 1.073
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

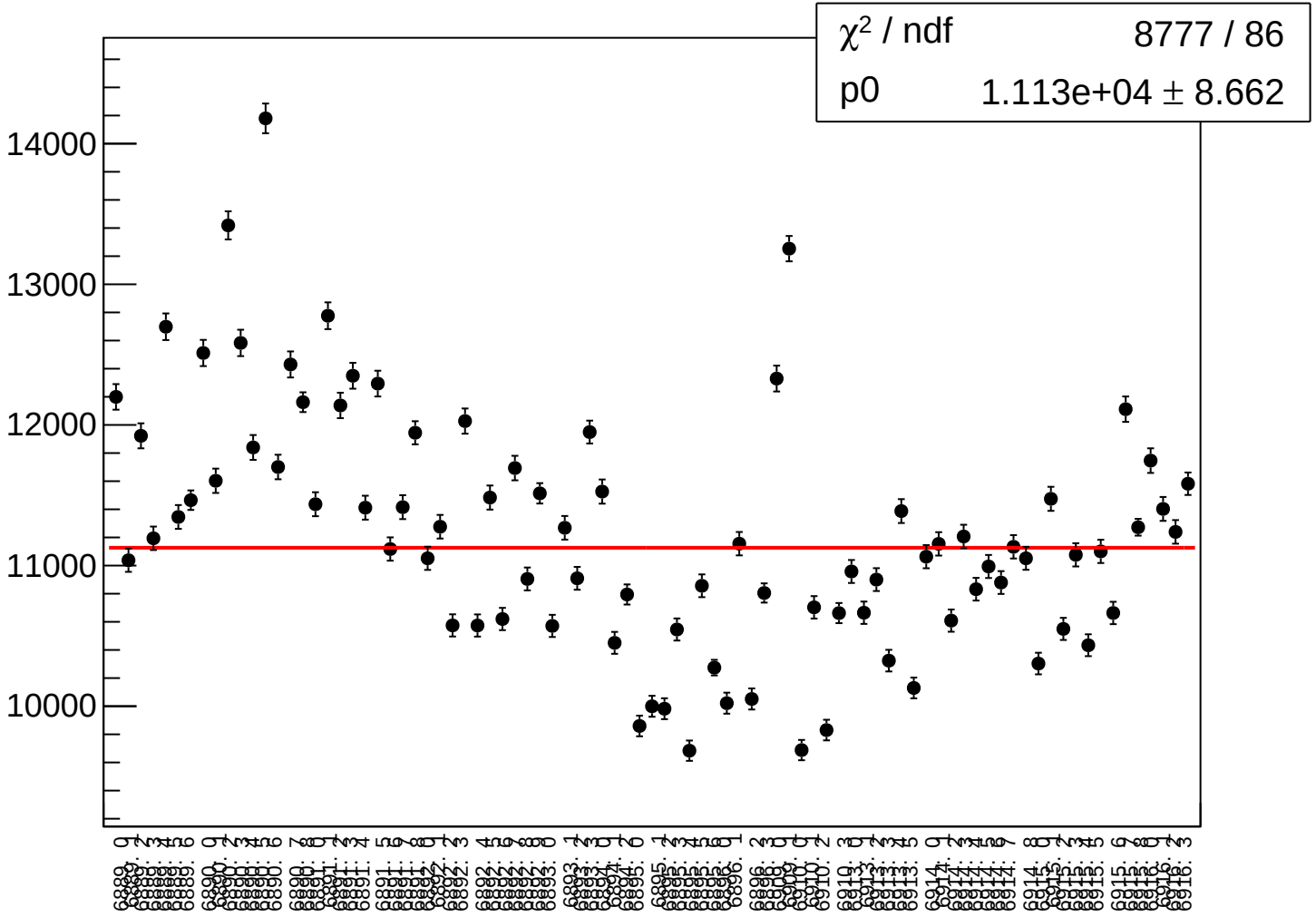
asym_at2_avg_correction_rms vs run

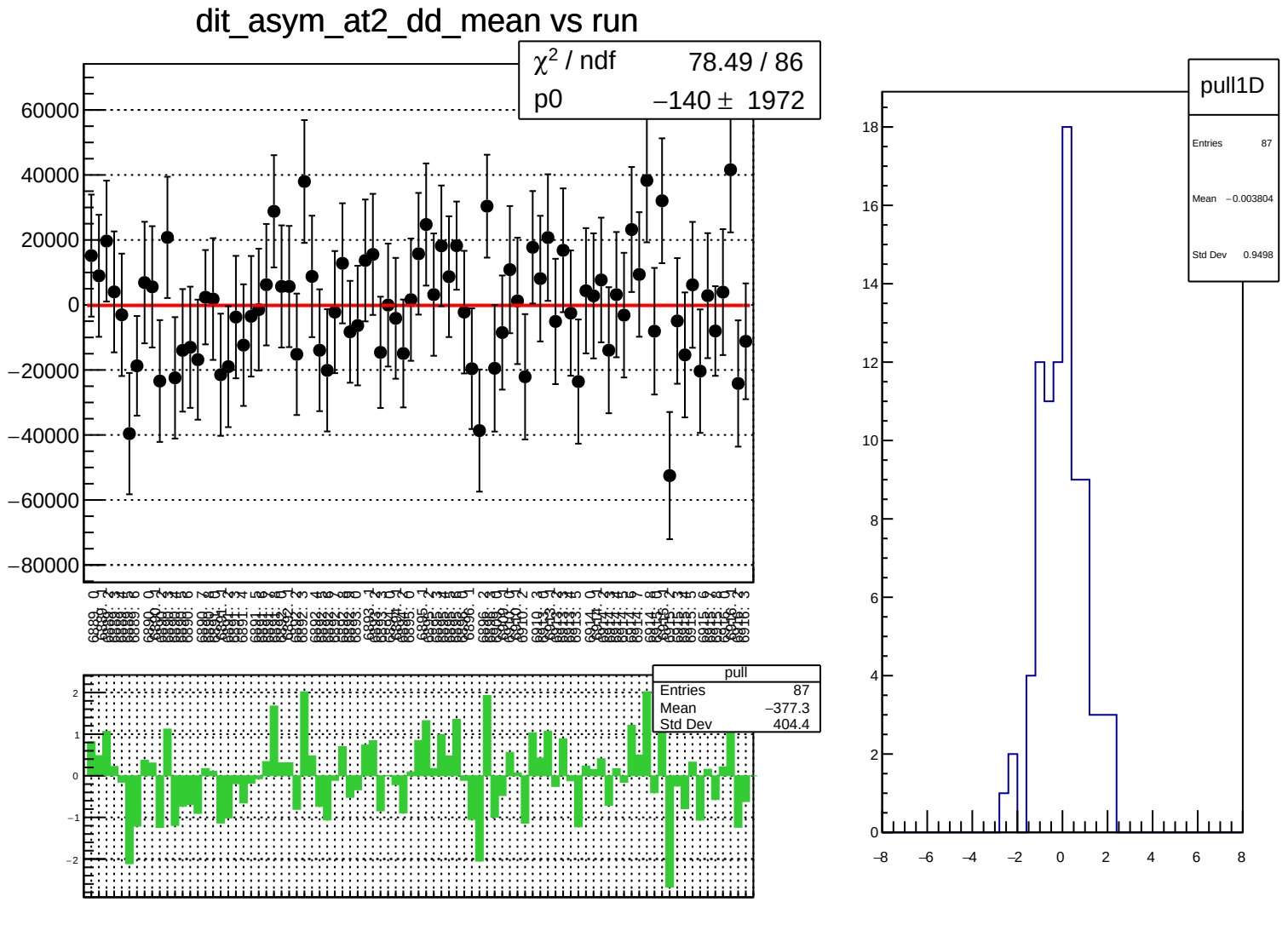


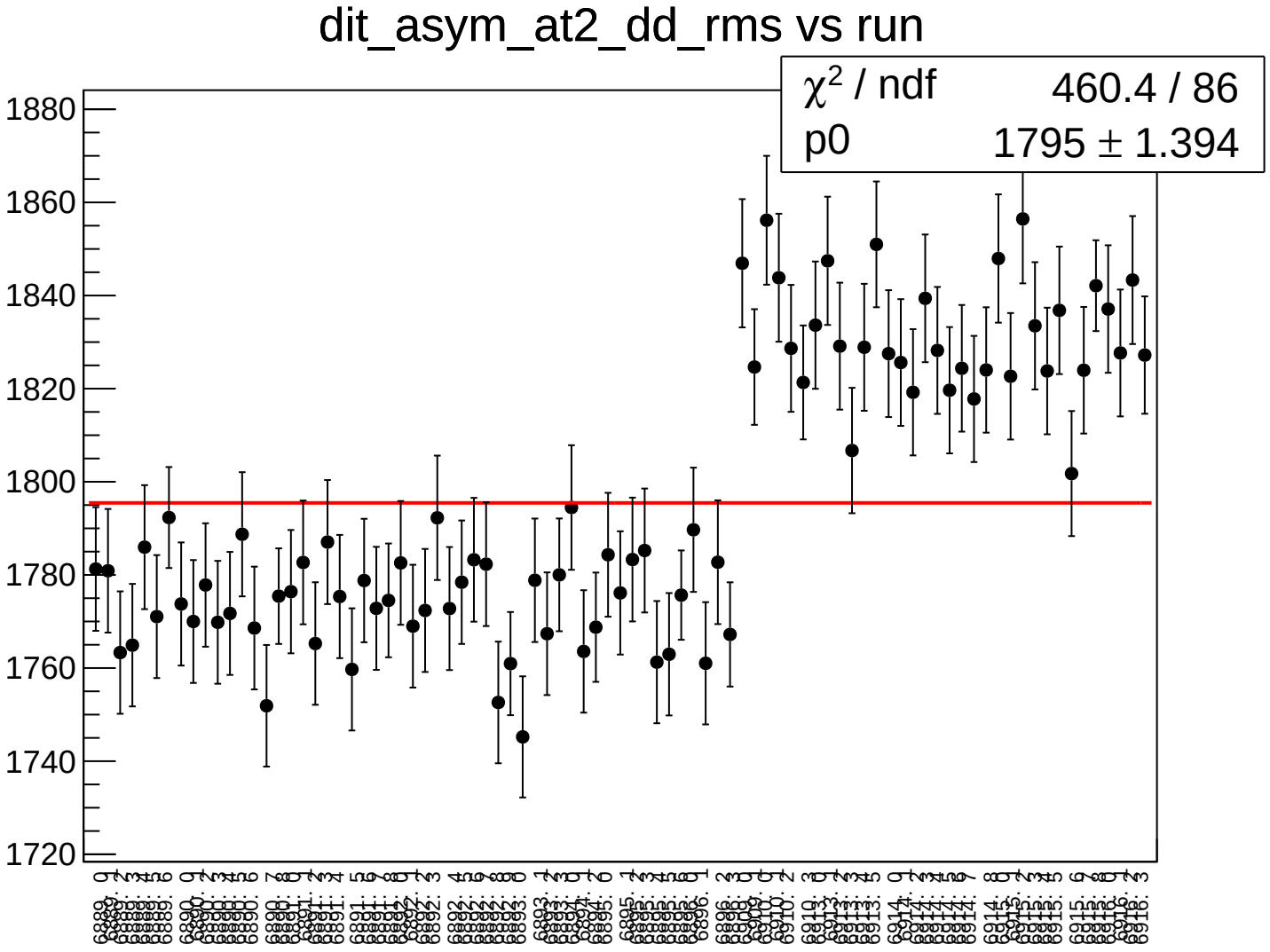

asym_at2_avg_mean vs run
×10^3
χ² / ndf 105.1 / 86
p0 9102 ± 1.225e+04
400
200
0
−200
−400
pull
Entries 87
Mean −238.2
Std Dev 264.5
2
1
0
−1
−2

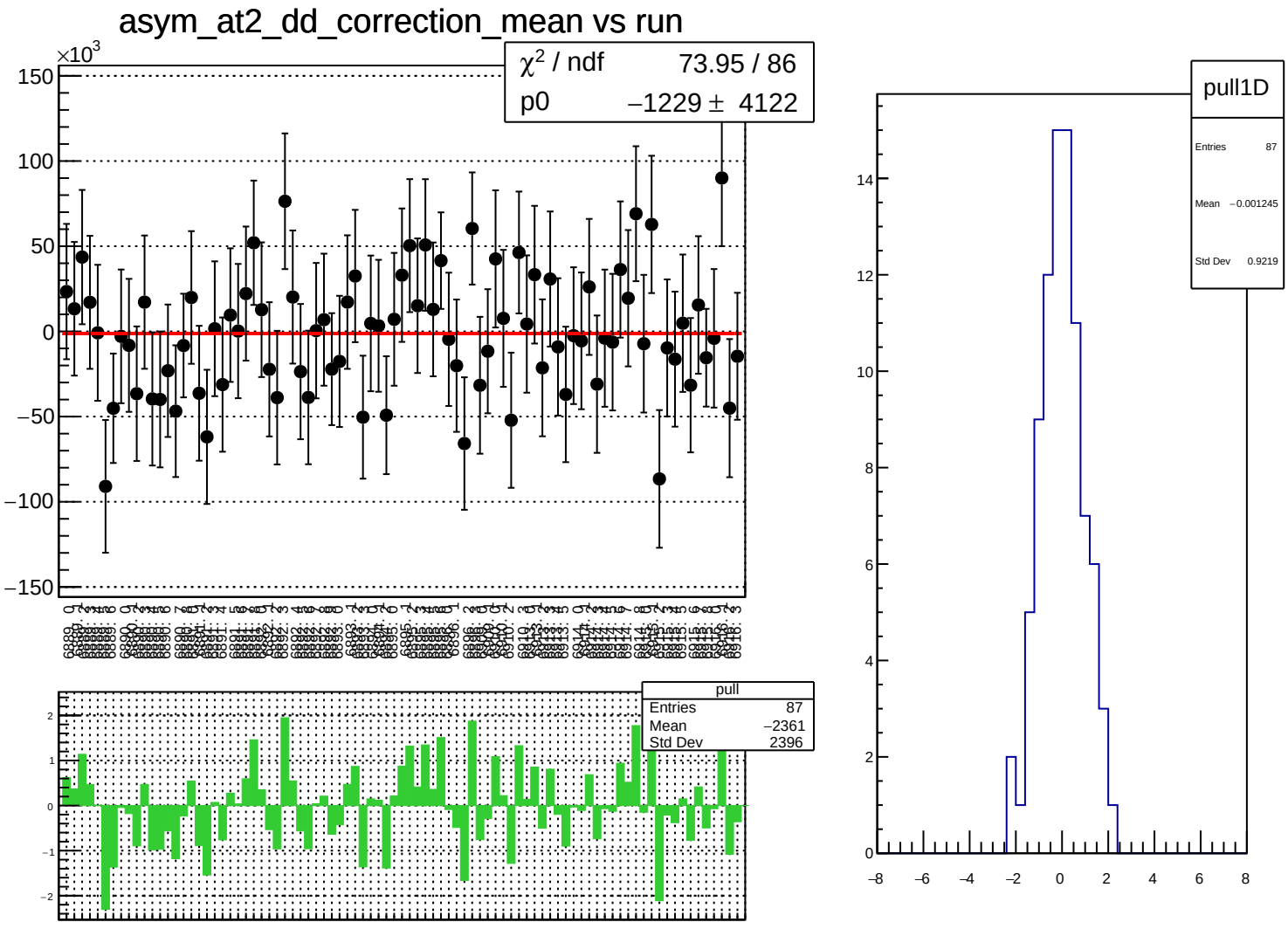

pull1D
Entries 87
Mean −0.0113
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

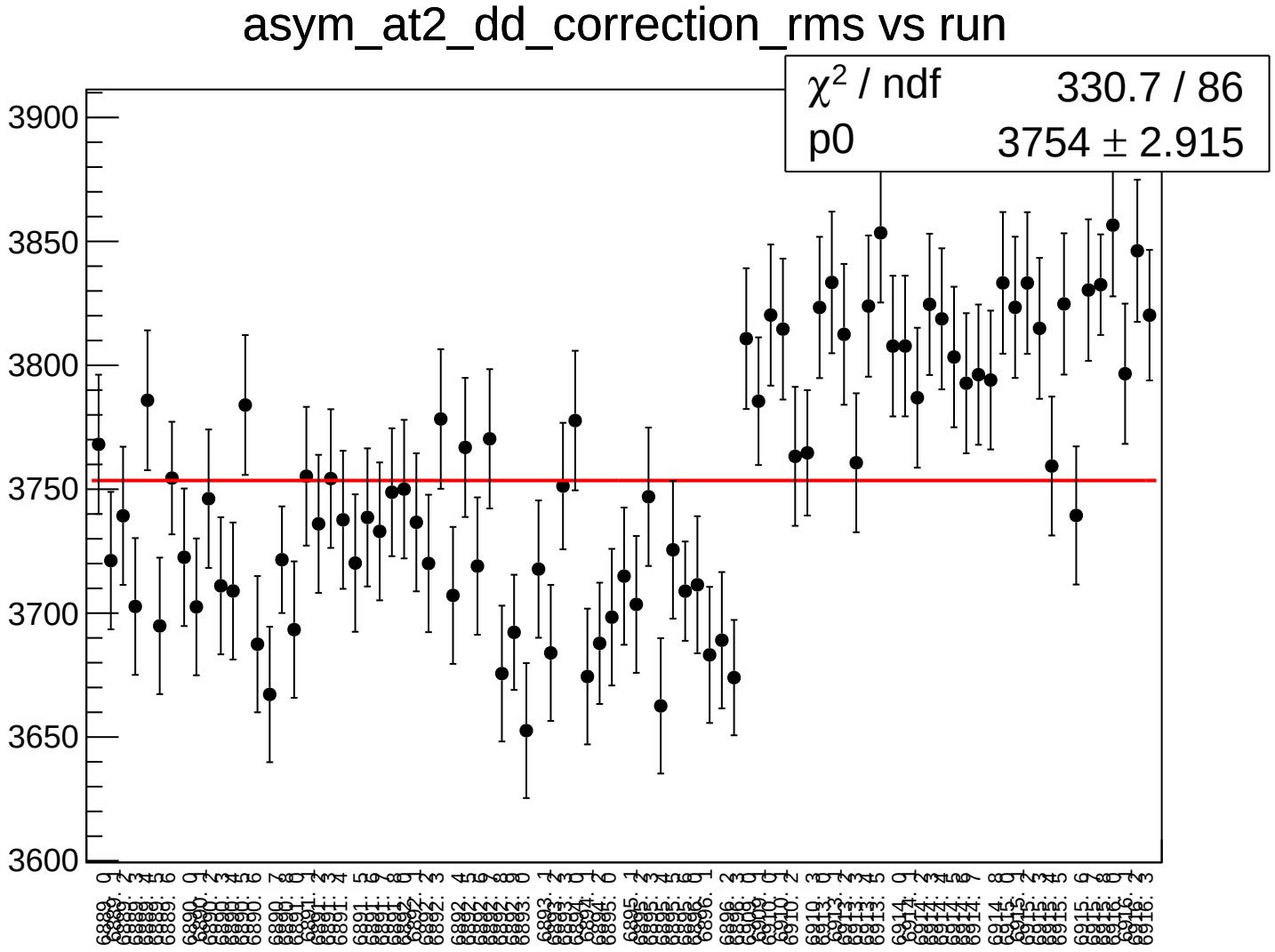
asym_at2_avg_rms vs run

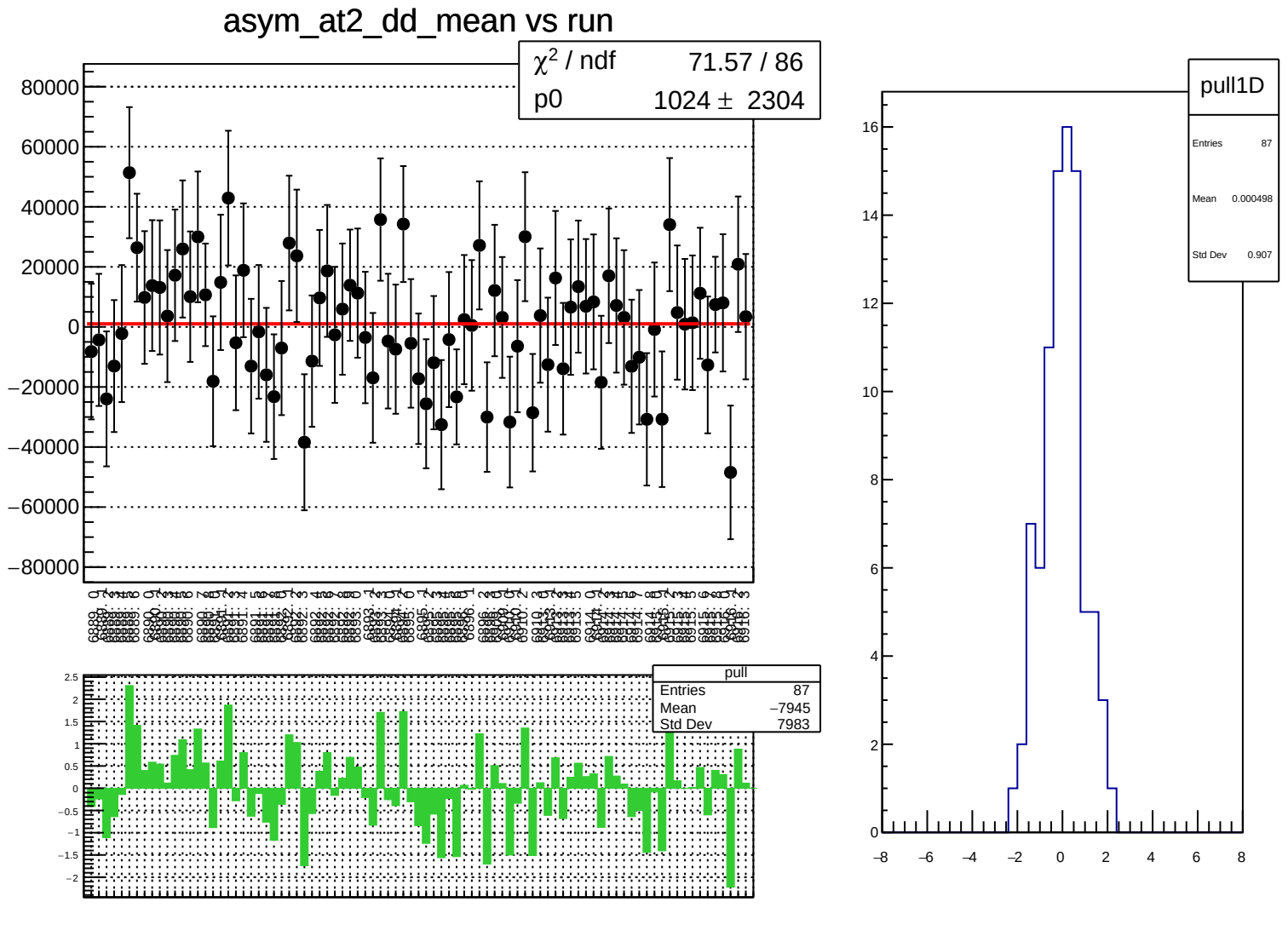



dit_asym_at2_dd_mean vs run
χ² / ndf 78.49 / 86
p0 −140 ± 1972
pull
Entries 87
Mean −377.3
Std Dev 404.4
pull1D
Entries 87
Mean −0.003804
Std Dev 0.9498

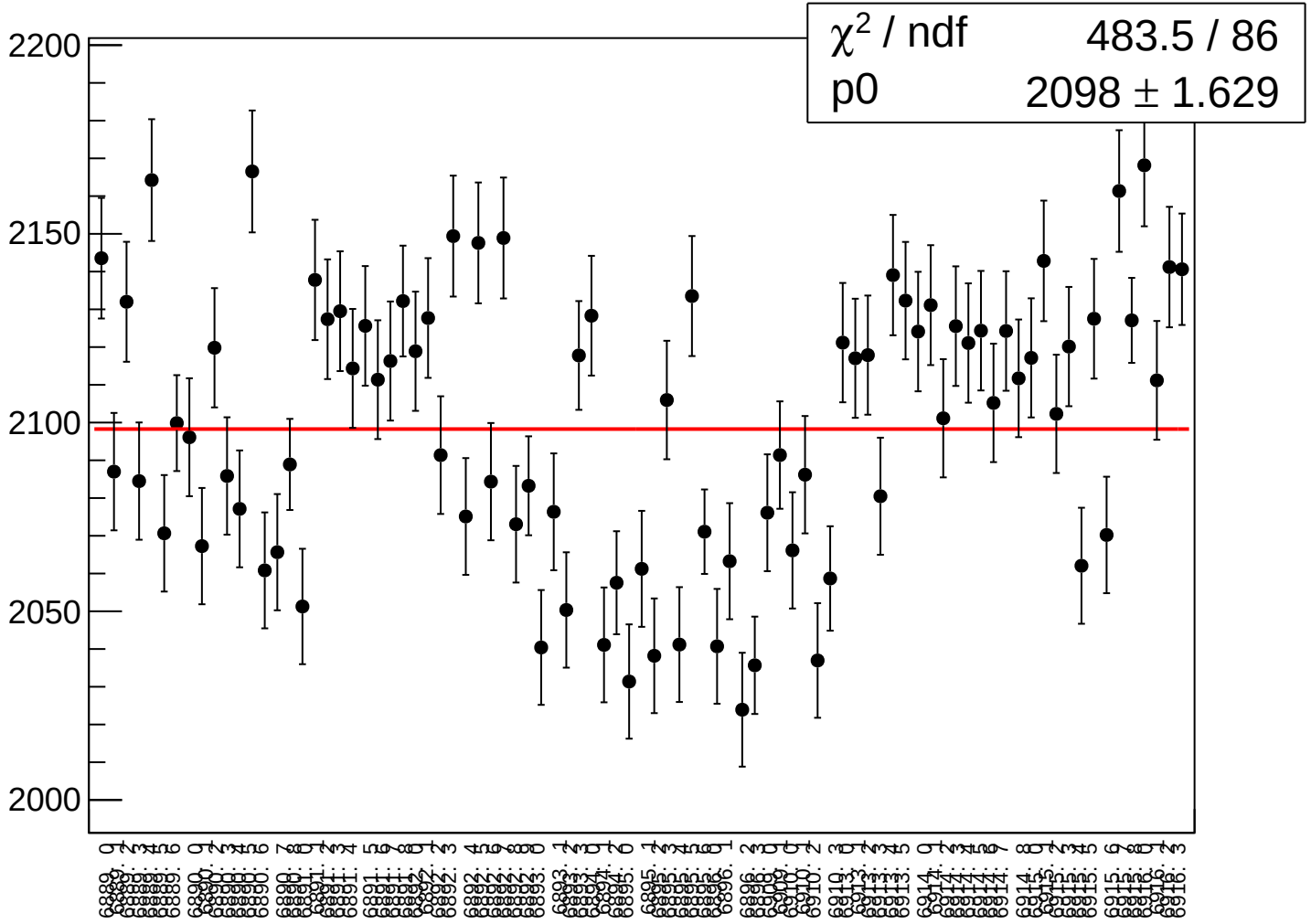

dit_asym_at2_dd_rms vs run
χ² / ndf 460.4 / 86
p0 1795 ± 1.394
1880
1860
1840
1820
1800
1780
1760
1740
1720

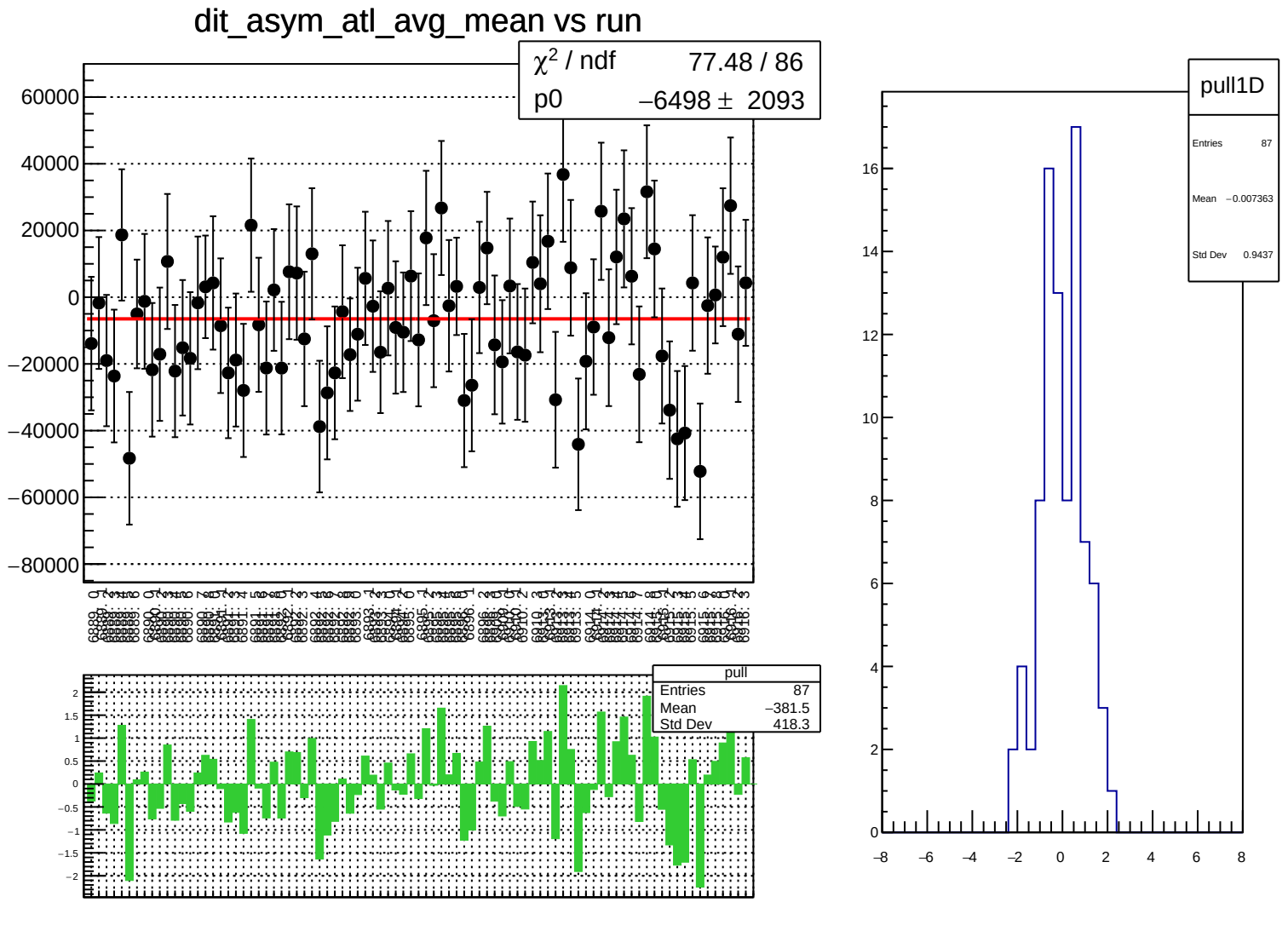

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 73.95 / 86
p0 −1229 ± 4122
pull
Entries 87
Mean −2361
Std Dev 2396
pull1D
Entries 87
Mean −0.001245
Std Dev 0.9219

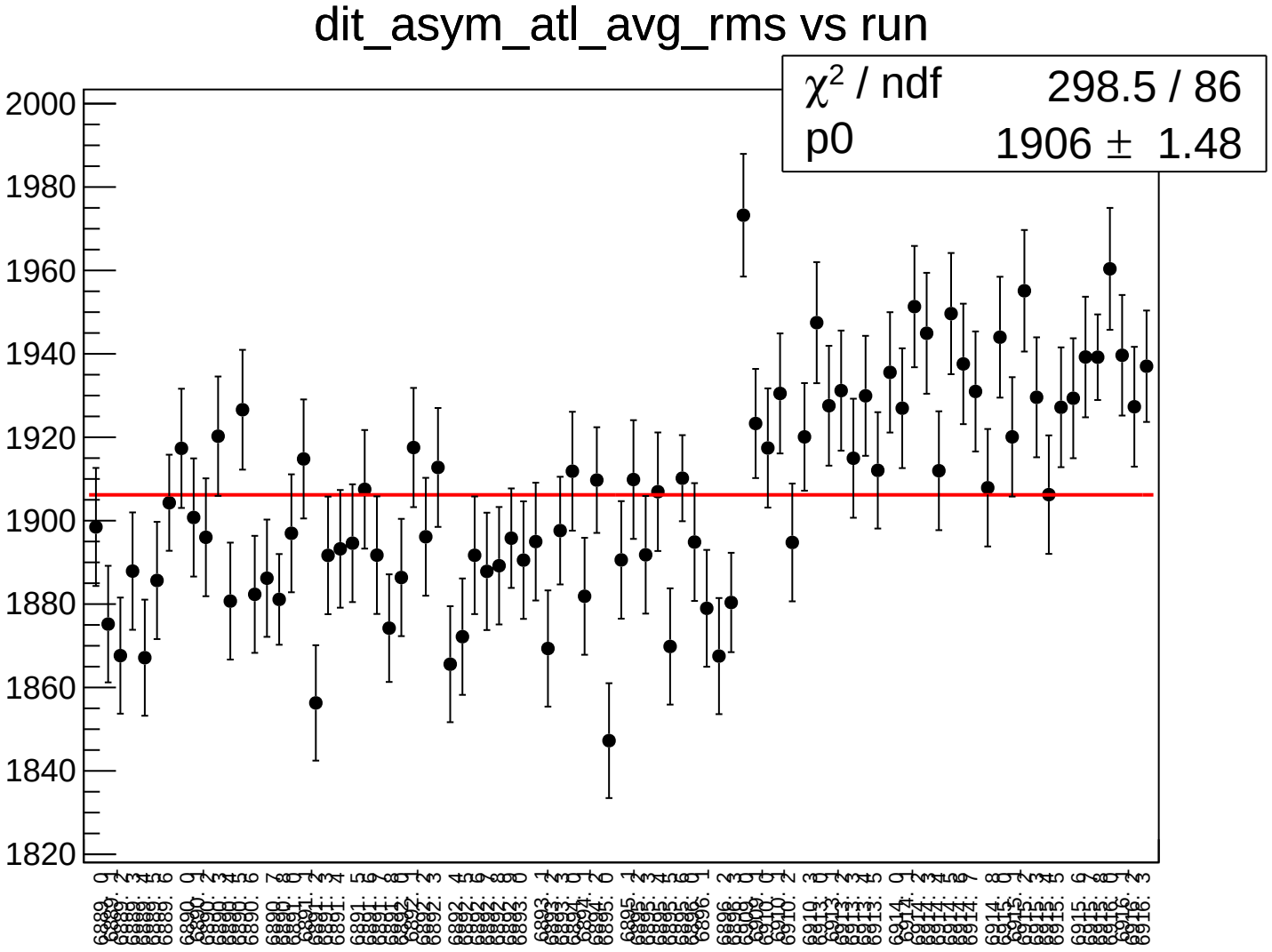

asym_at2_dd_correction_rms vs run
χ² / ndf 330.7 / 86
p0 3754 ± 2.915
3900
3850
3800
3750
3700
3650
3600

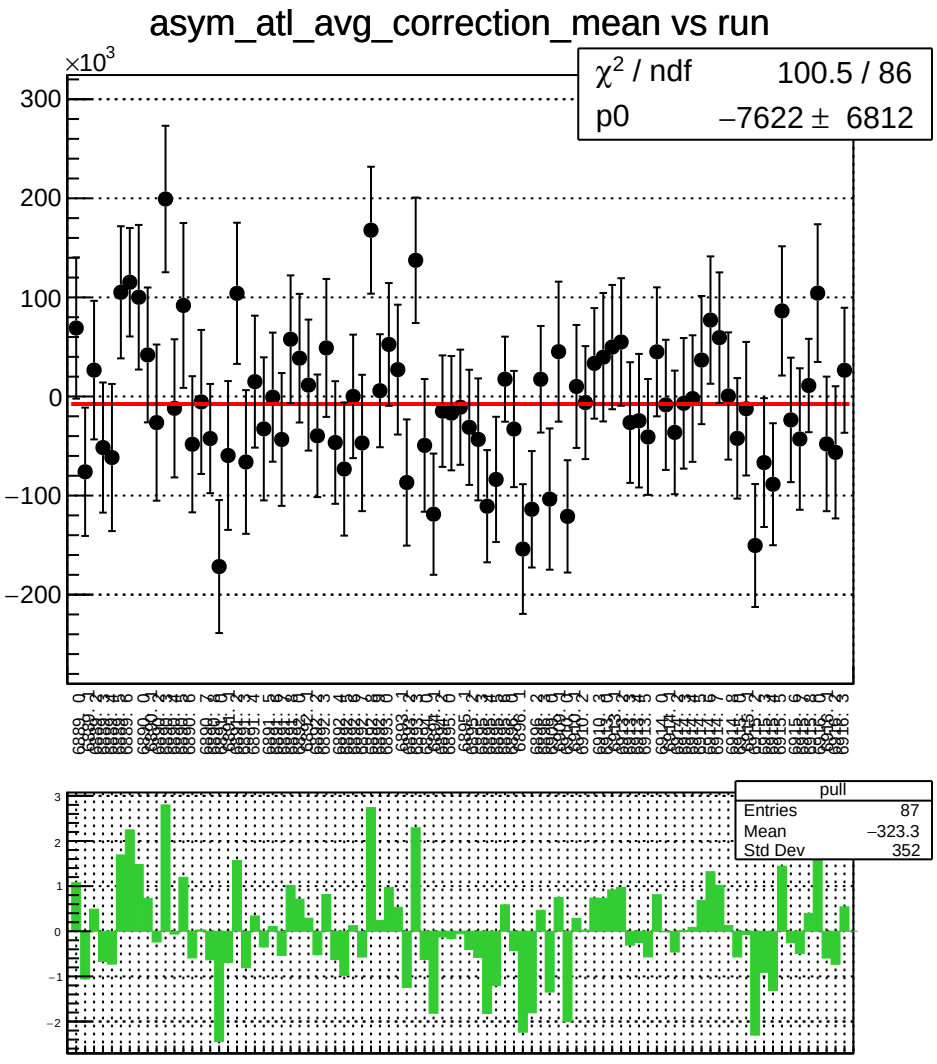

asym_at2_dd_mean vs run
χ² / ndf 71.57 / 86
p0 1024 ± 2304
pull
Entries 87
Mean −7945
Std Dev 7983
pull1D
Entries 87
Mean 0.000498
Std Dev 0.907

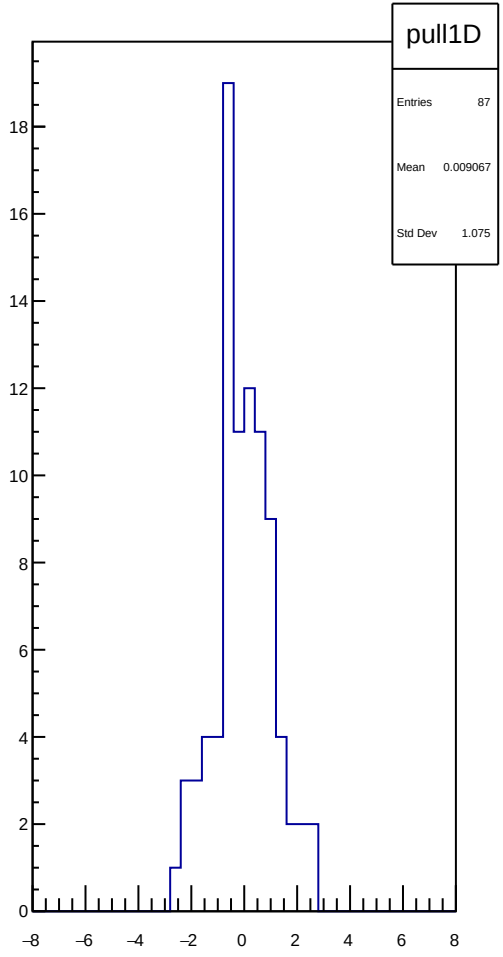
asym_at2_dd_rms vs run



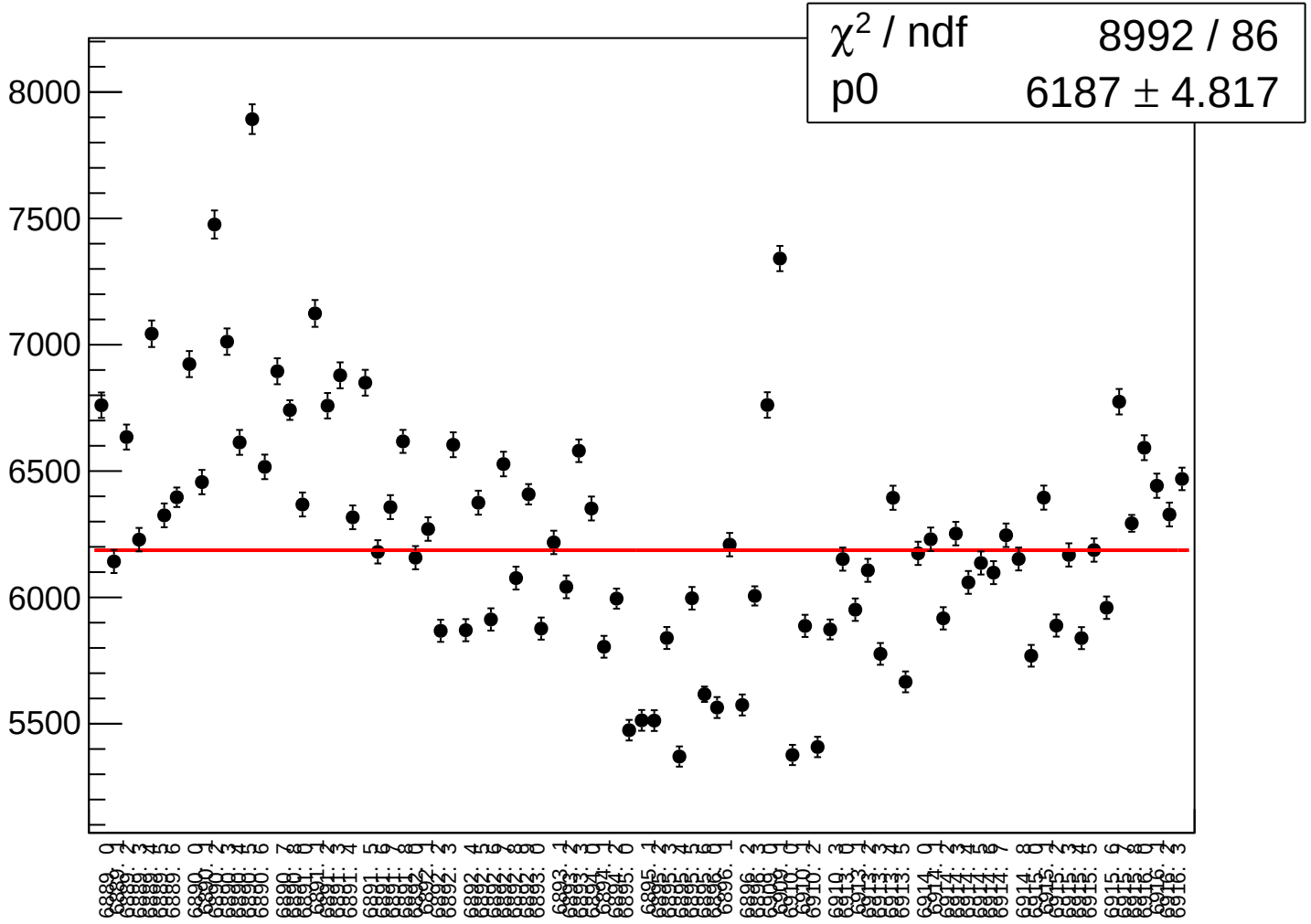

dit_asym_atl_avg_mean vs run
χ² / ndf 77.48 / 86
p0 −6498 ± 2093
pull
Entries 87
Mean −381.5
Std Dev 418.3
pull1D
Entries 87
Mean −0.007363
Std Dev 0.9437

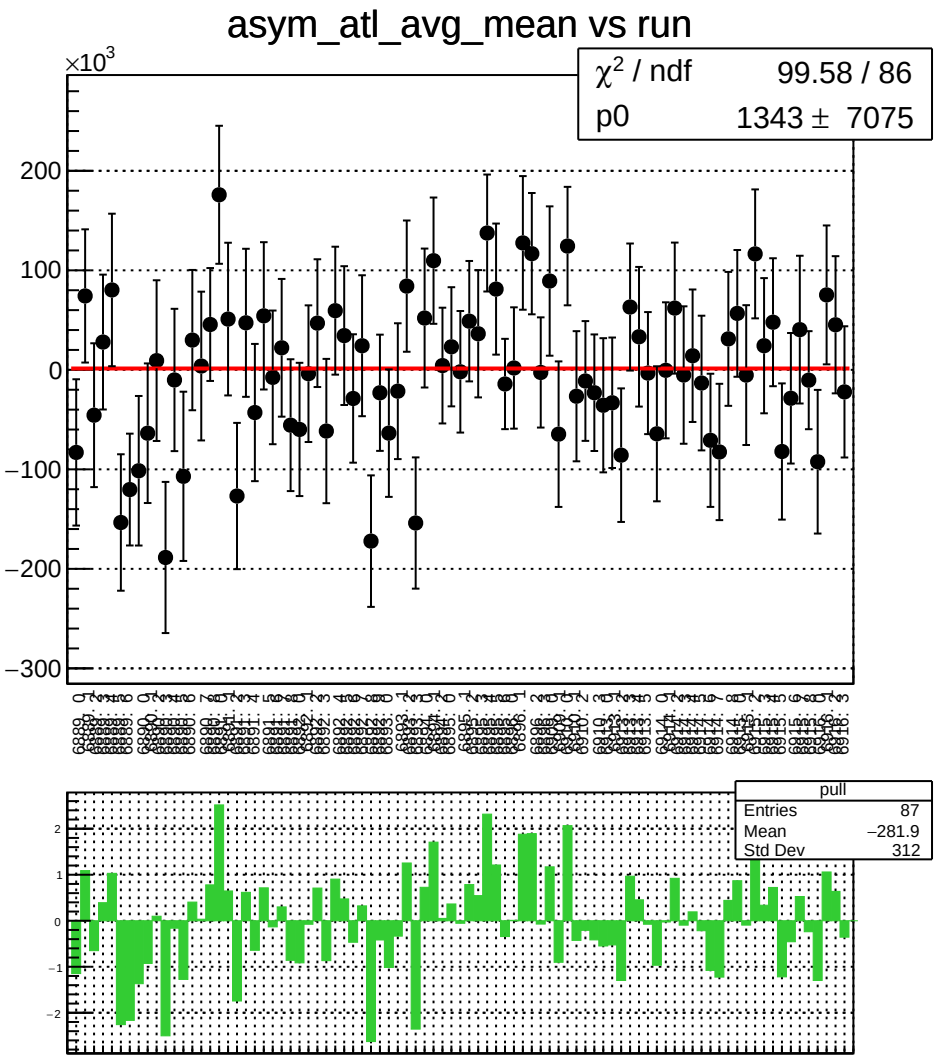

dit_asym_atl_avg_rms vs run
χ² / ndf 298.5 / 86
p0 1906 ± 1.48
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

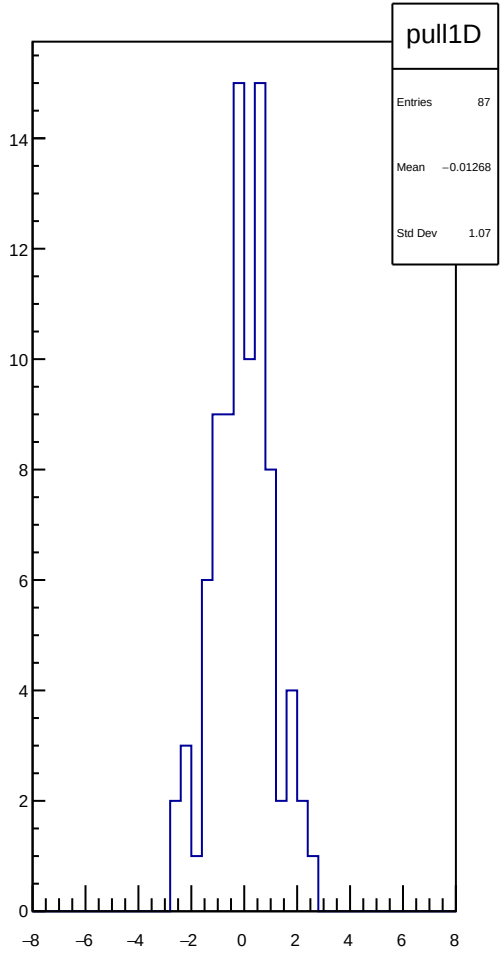

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 100.5 / 86
p0 −7622 ± 6812
pull
Entries 87
Mean −323.3
Std Dev 352

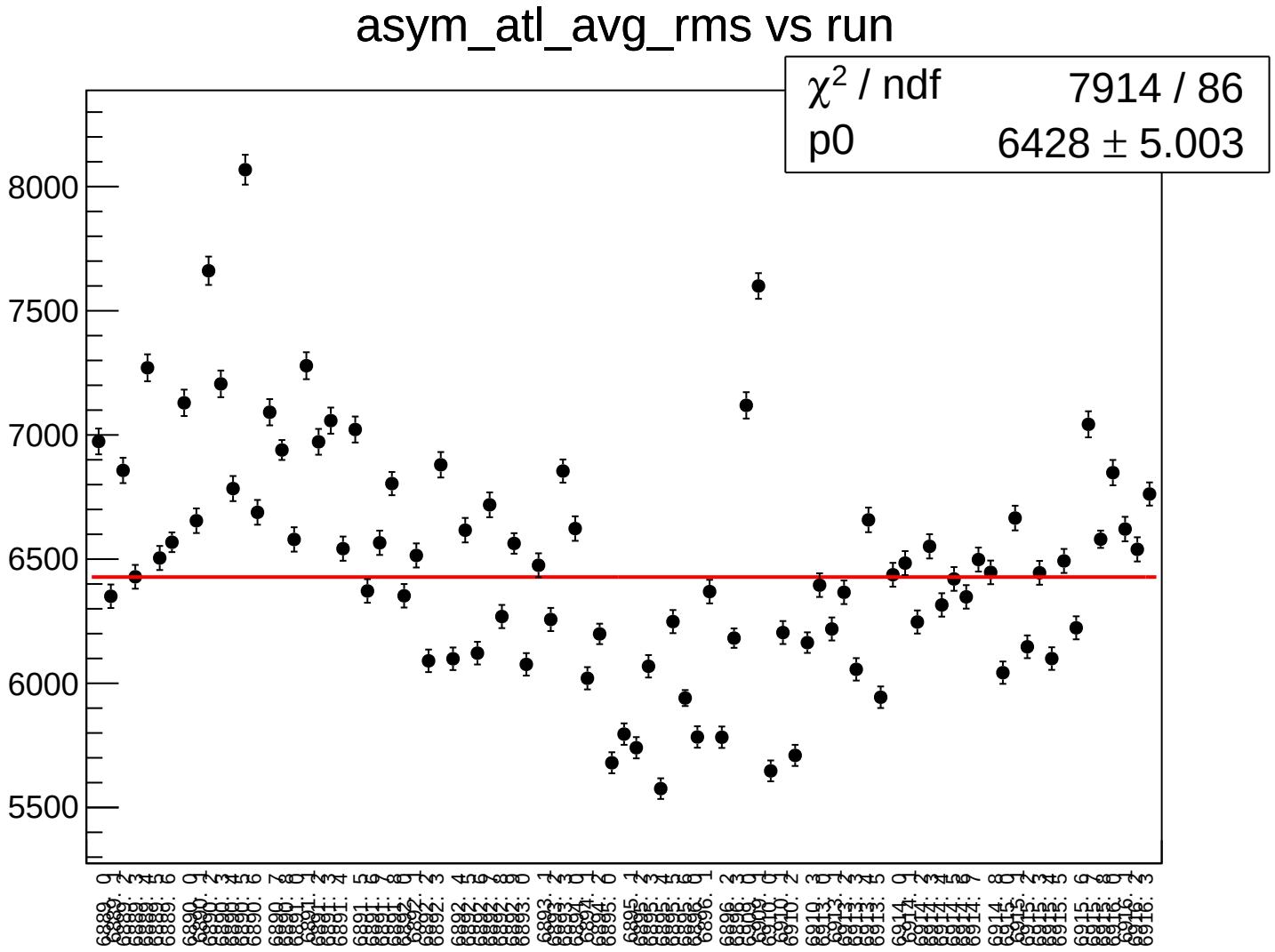

pull1D
Entries 87
Mean 0.009067
Std Dev 1.075

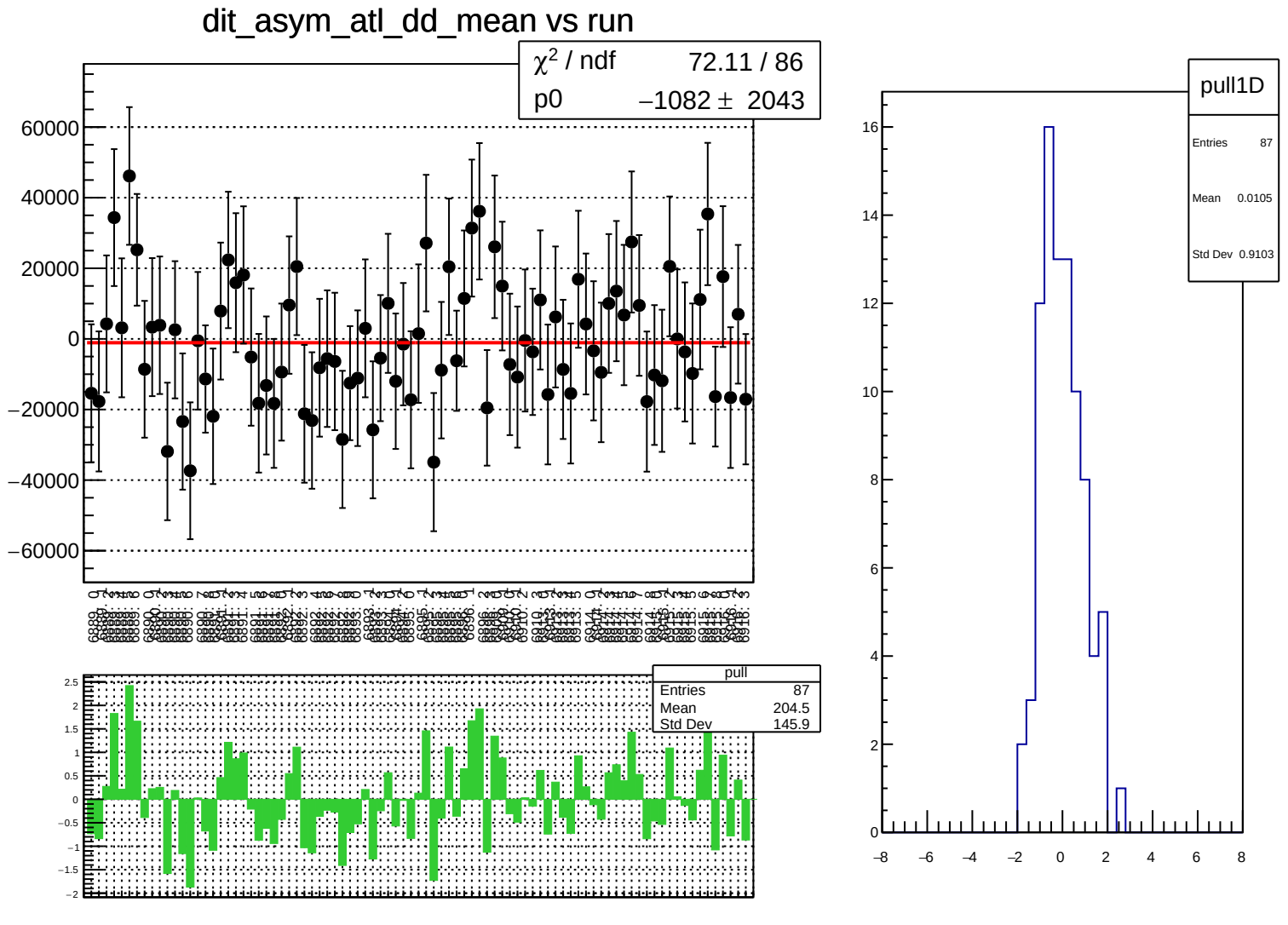
asym_atl_avg_correction_rms vs run

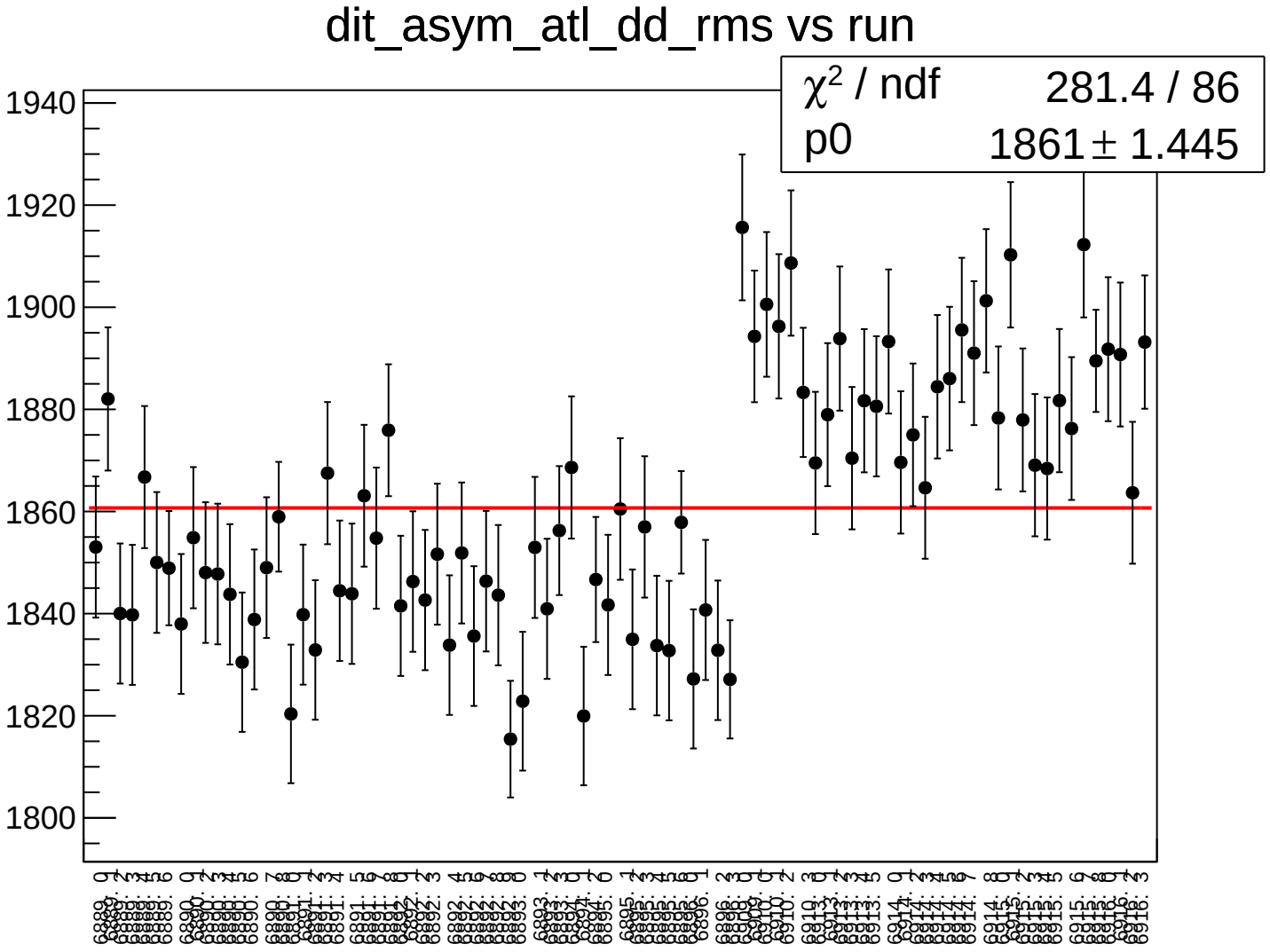


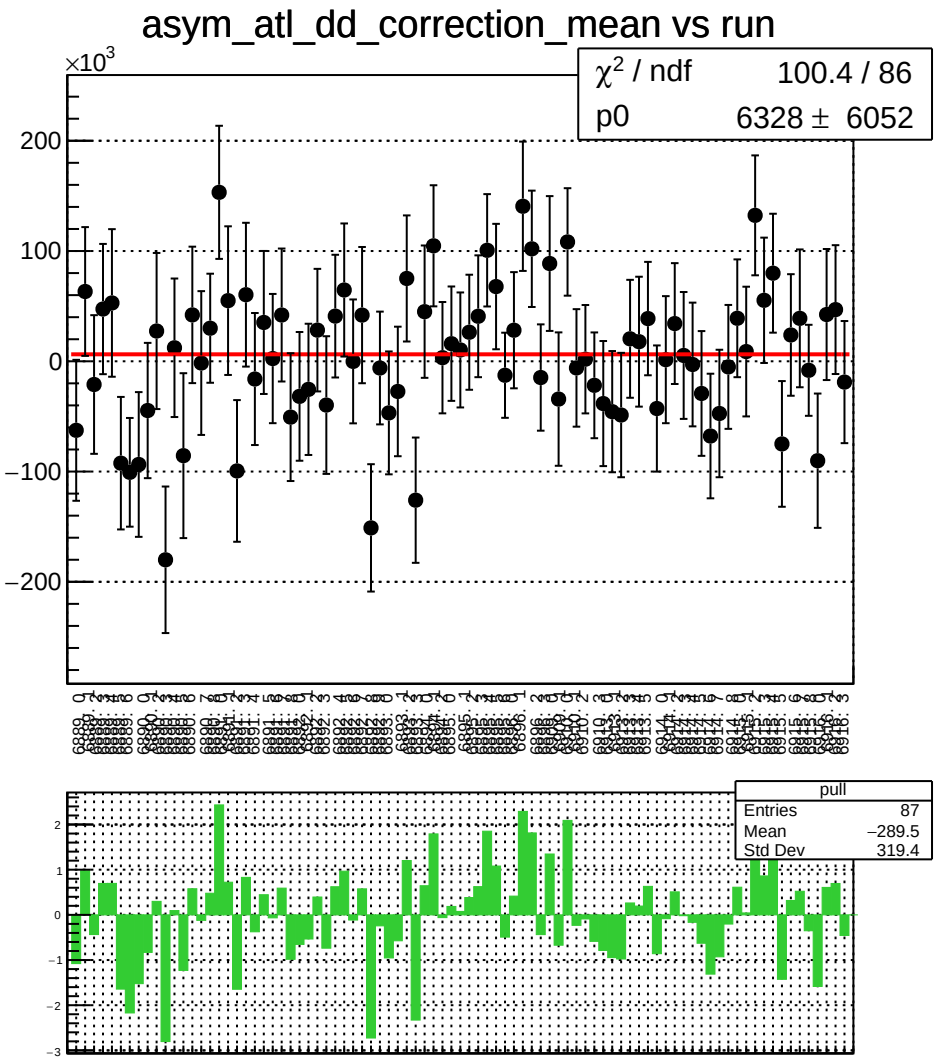

asym_atl_avg_mean vs run
×10^3
χ² / ndf 99.58 / 86
p0 1343 ± 7075
200
100
0
−100
−200
−300
pull
Entries 87
Mean −281.9
Std Dev 312
2
1
0
−1
−2

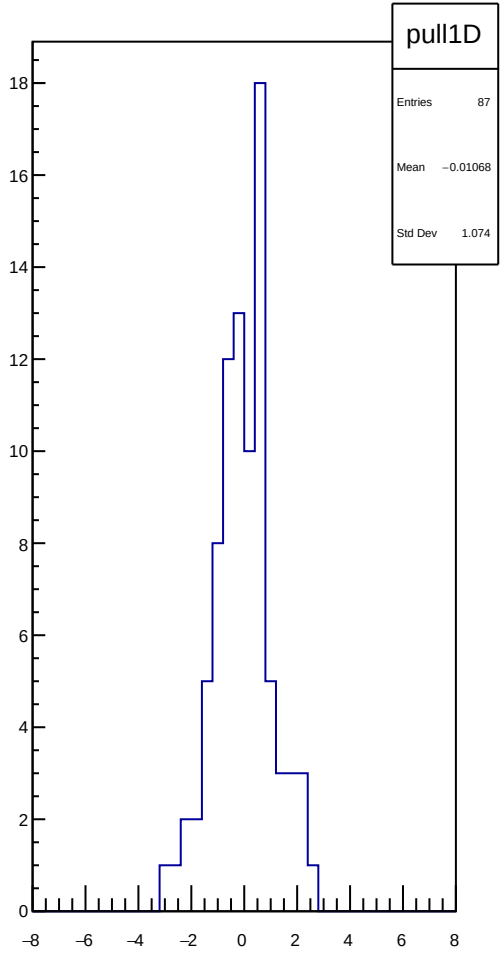

pull1D
Entries 87
Mean −0.01268
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_rms vs run
χ^2 / ndf 7914 / 86
p0 6428 ± 5.003
8000
7500
7000
6500
6000
5500

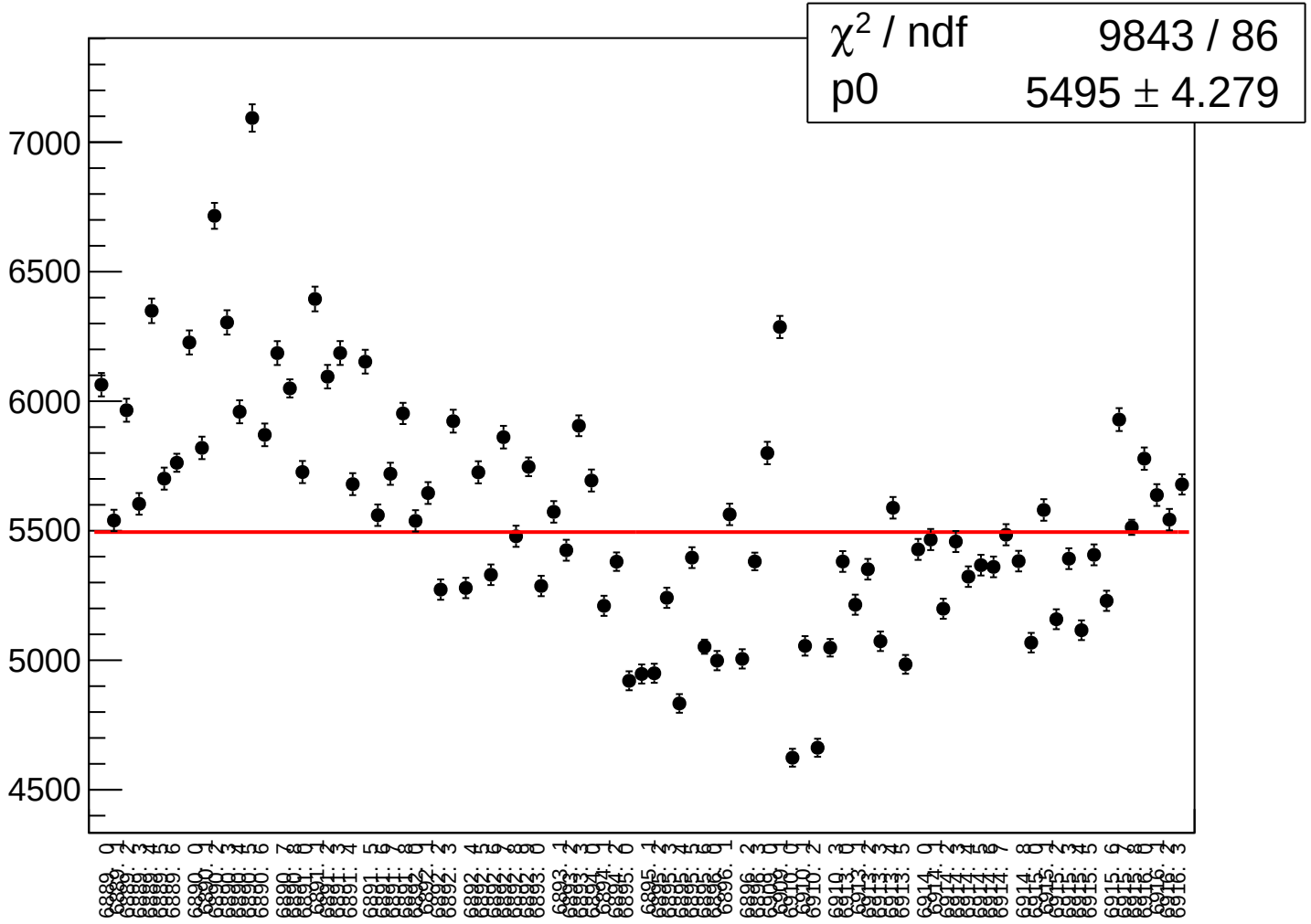

dit_asym_atl_dd_mean vs run
χ² / ndf 72.11 / 86
p0 −1082 ± 2043
pull
Entries 87
Mean 204.5
Std Dev 145.9
pull1D
Entries 87
Mean 0.0105
Std Dev 0.9103

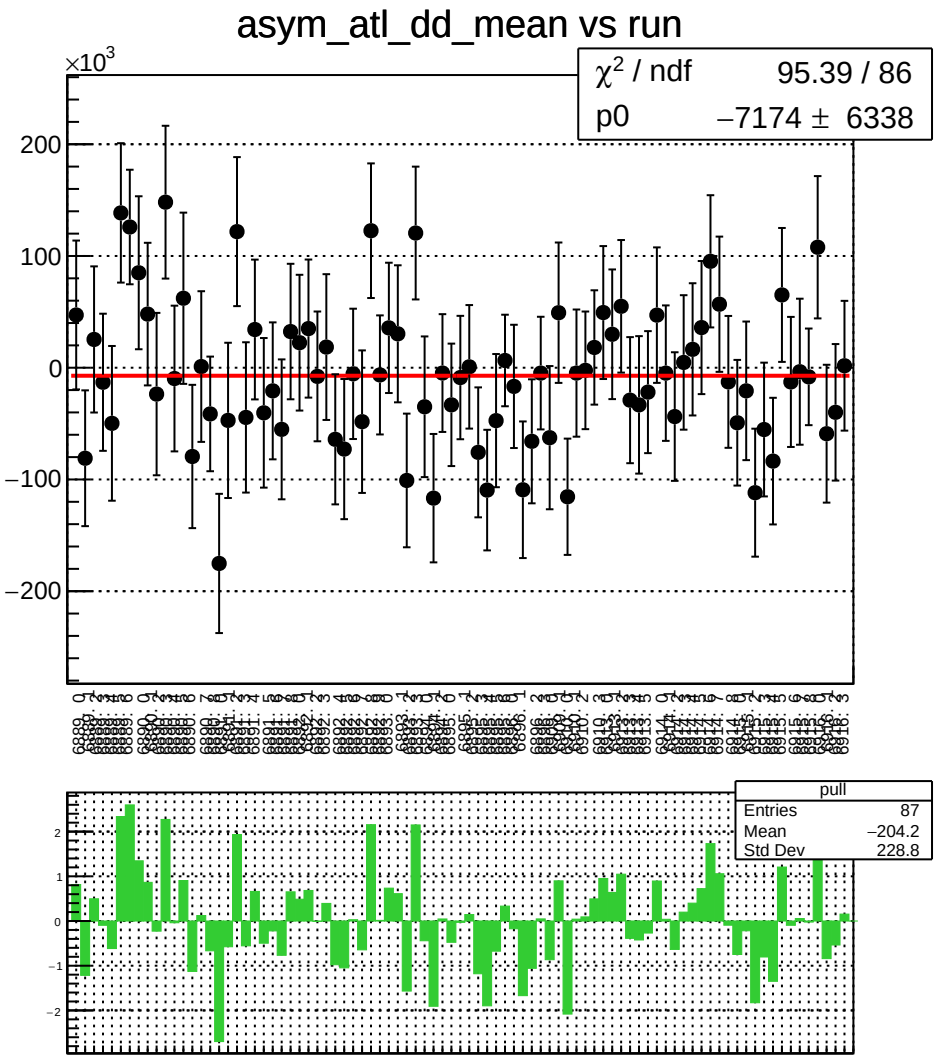

dit_asym_atl_dd_rms vs run
χ² / ndf 281.4 / 86
p0 1861 ± 1.445
1940
1920
1900
1880
1860
1840
1820
1800

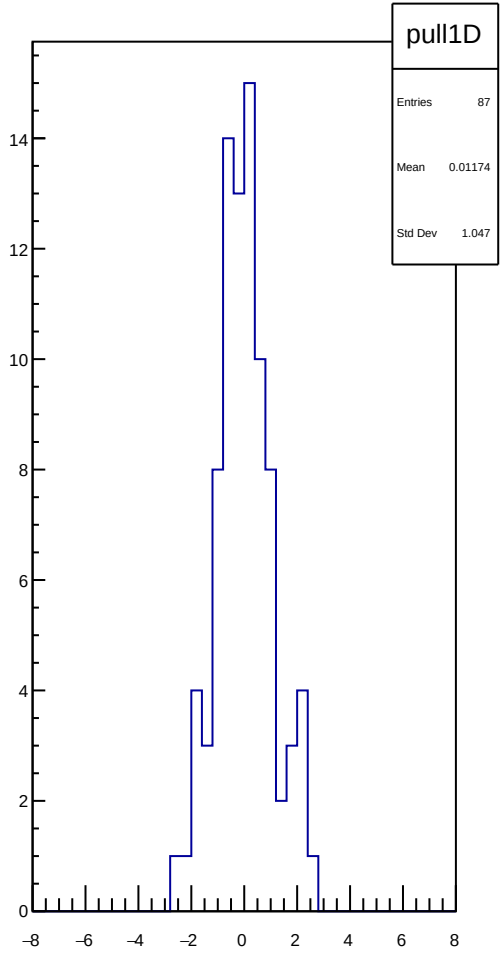

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 100.4 / 86
p0 6328 ± 6052
200
100
0
−100
−200
pull
Entries 87
Mean −289.5
Std Dev 319.4
2
1
0
−1
−2
−3


pull1D
Entries 87
Mean −0.01068
Std Dev 1.074
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

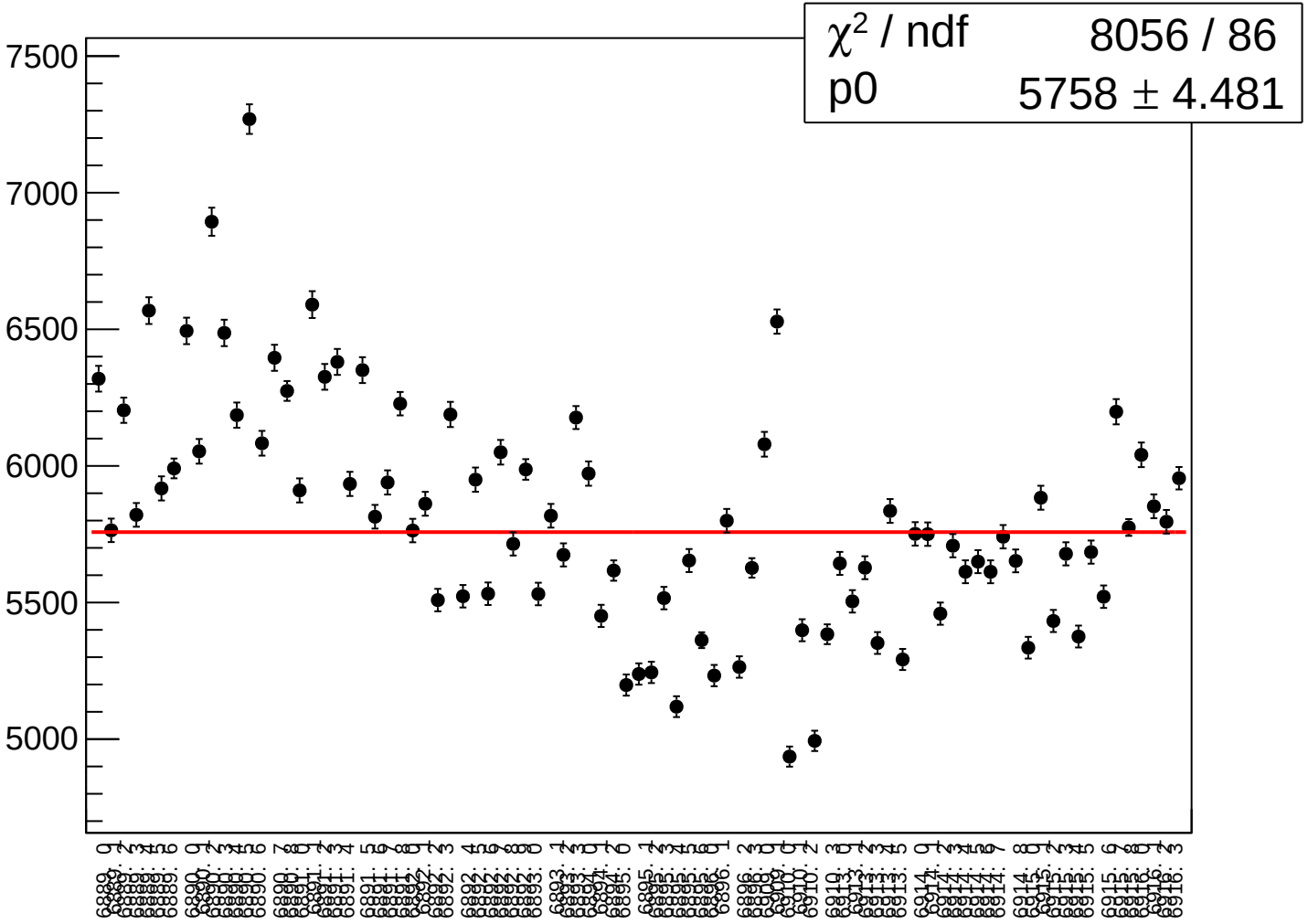
asym_atl_dd_correction_rms vs run

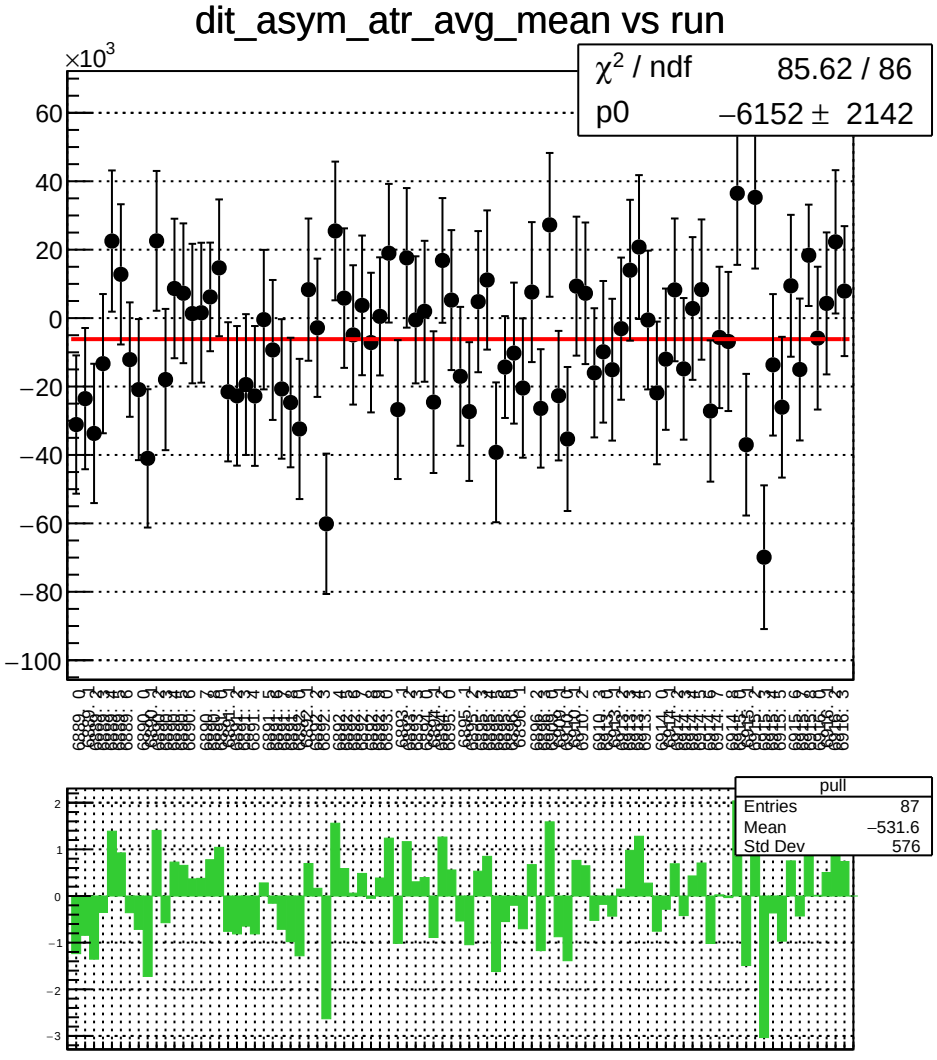


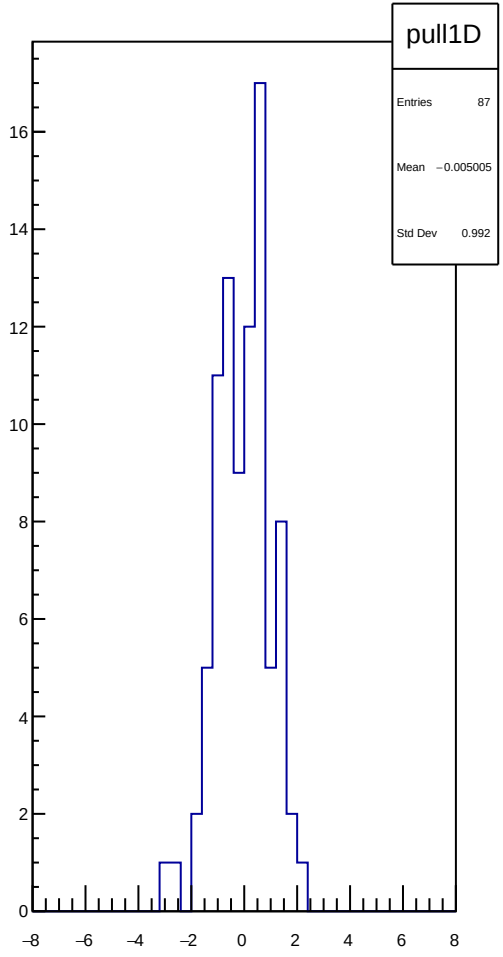

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 95.39 / 86
p0 −7174 ± 6338
200
100
0
−100
−200
pull
Entries 87
Mean −204.2
Std Dev 228.8
2
1
0
−1
−2

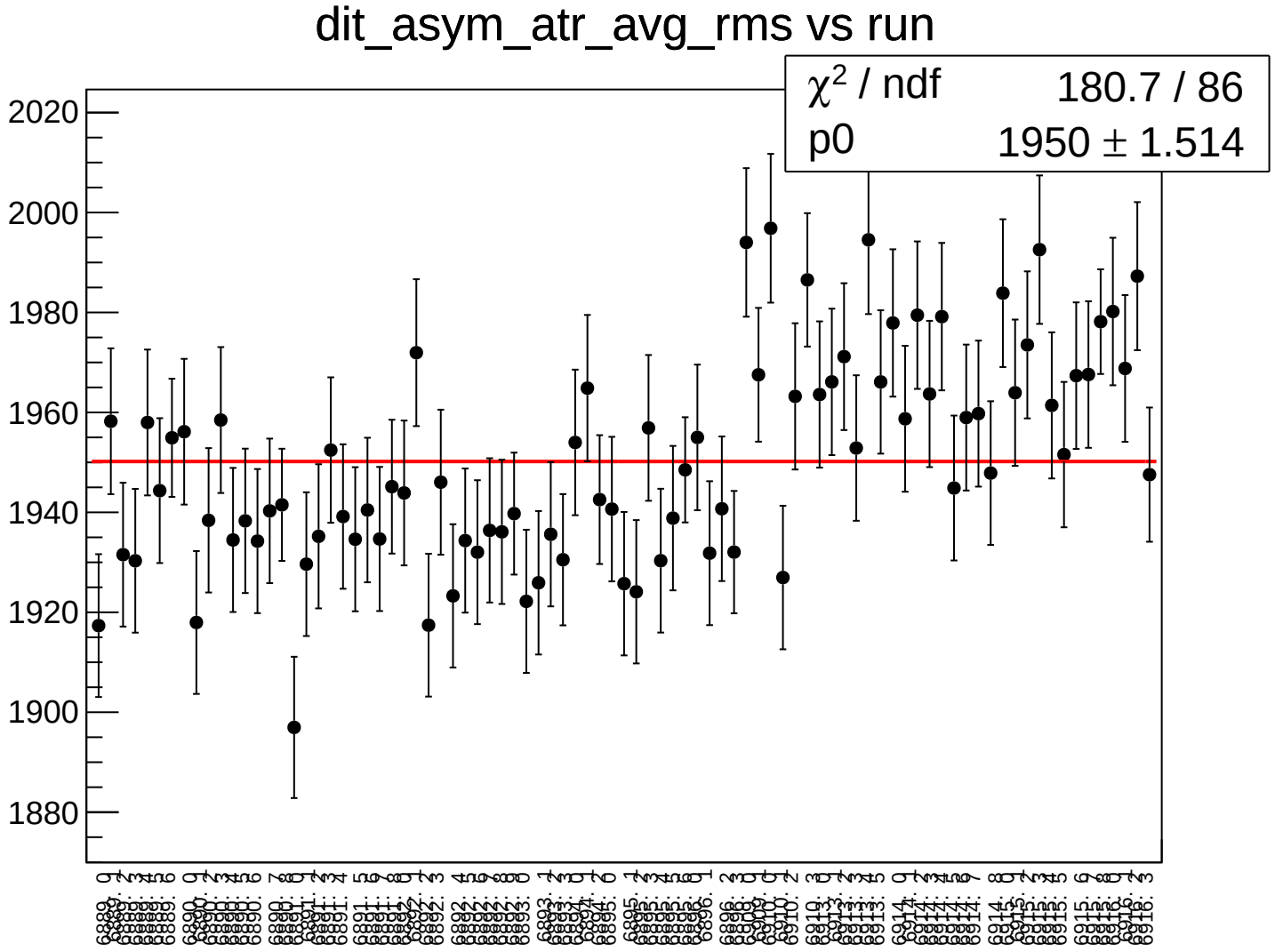

pull1D
Entries 87
Mean 0.01174
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

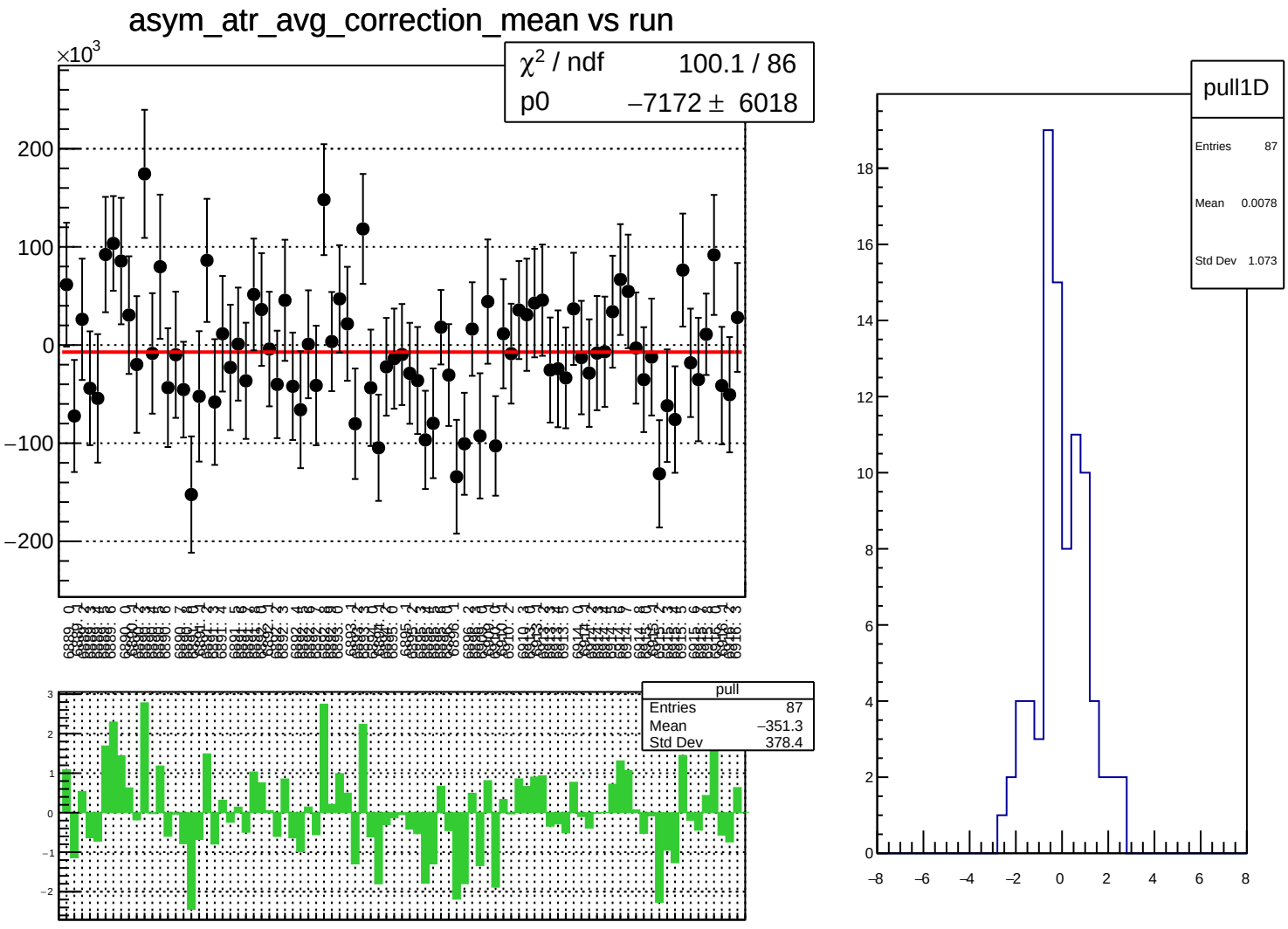
asym_atl_dd_rms vs run



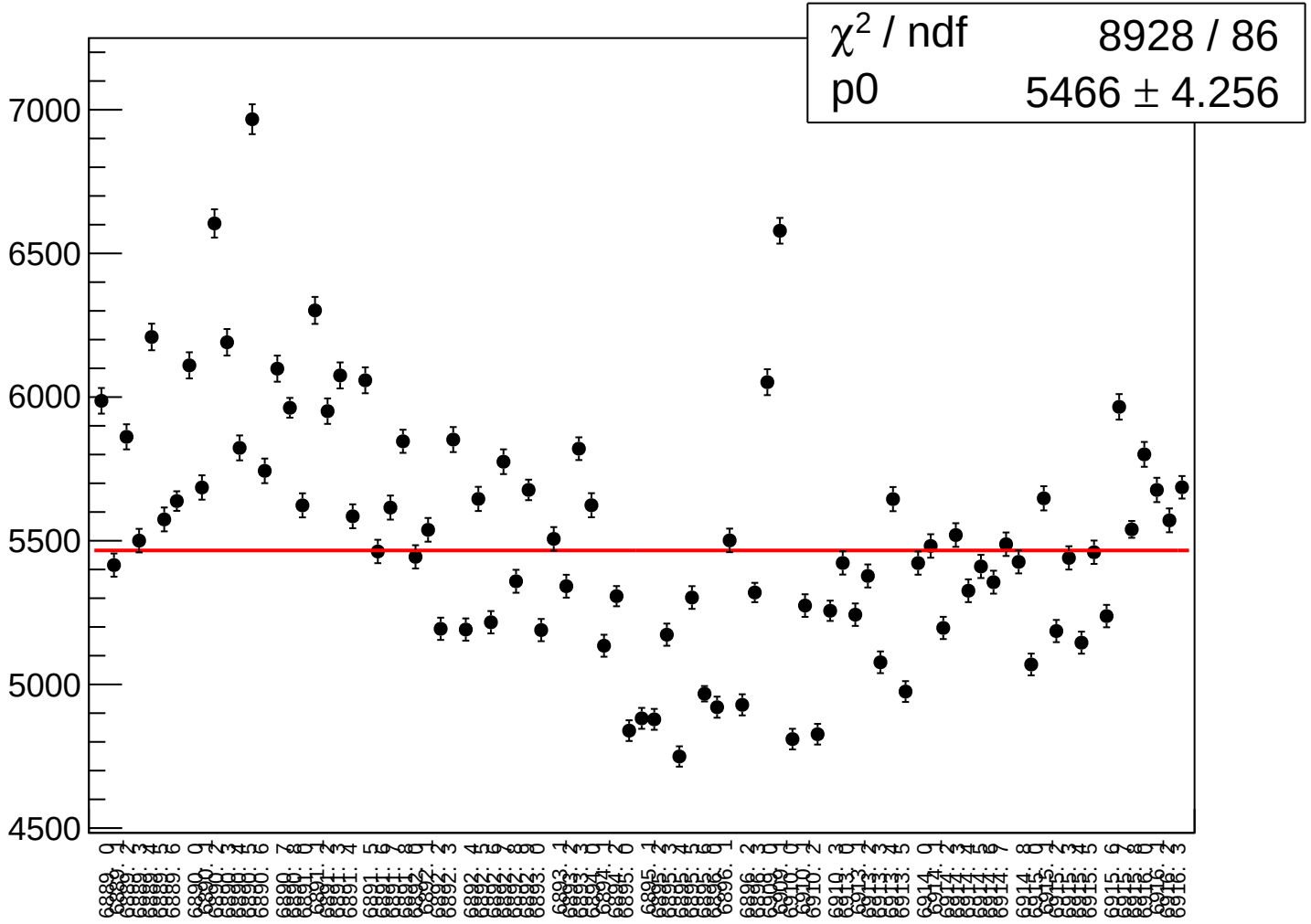

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 85.62 / 86
p0 −6152 ± 2142
pull
Entries 87
Mean −531.6
Std Dev 576

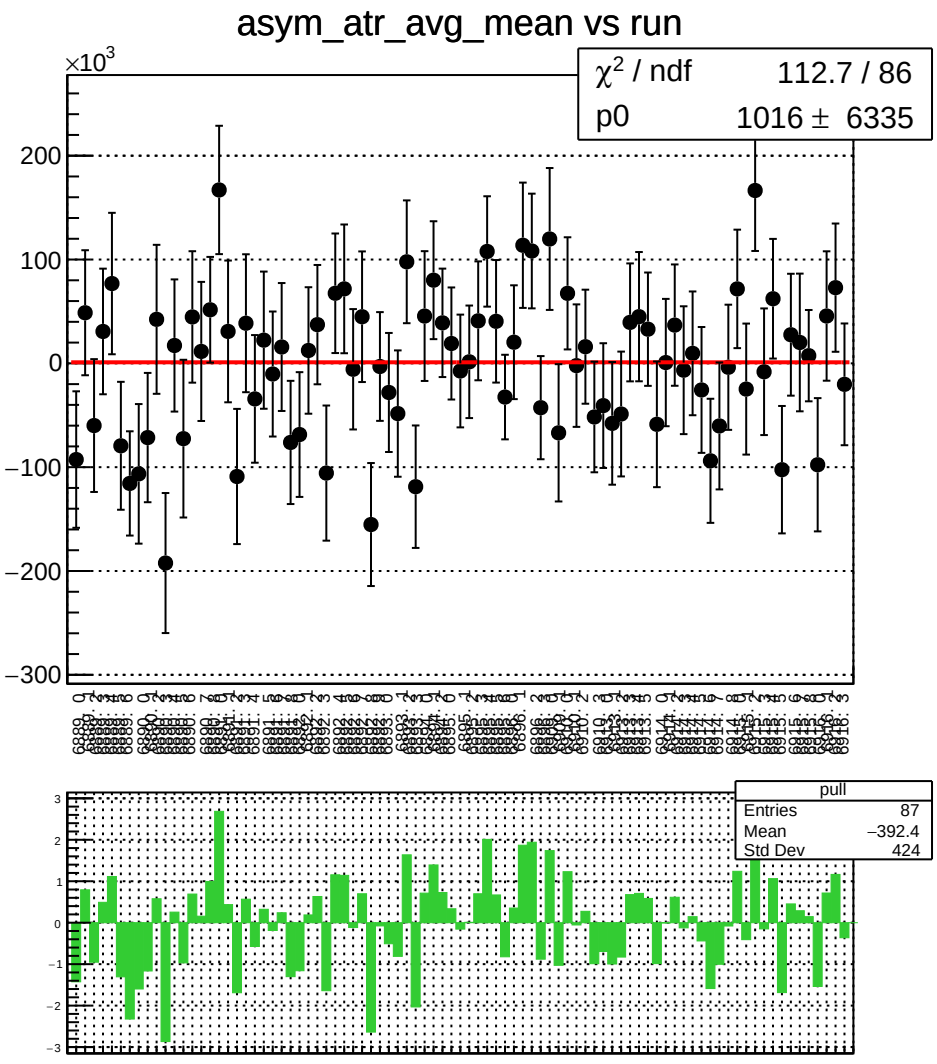

pull1D
Entries 87
Mean −0.005005
Std Dev 0.992

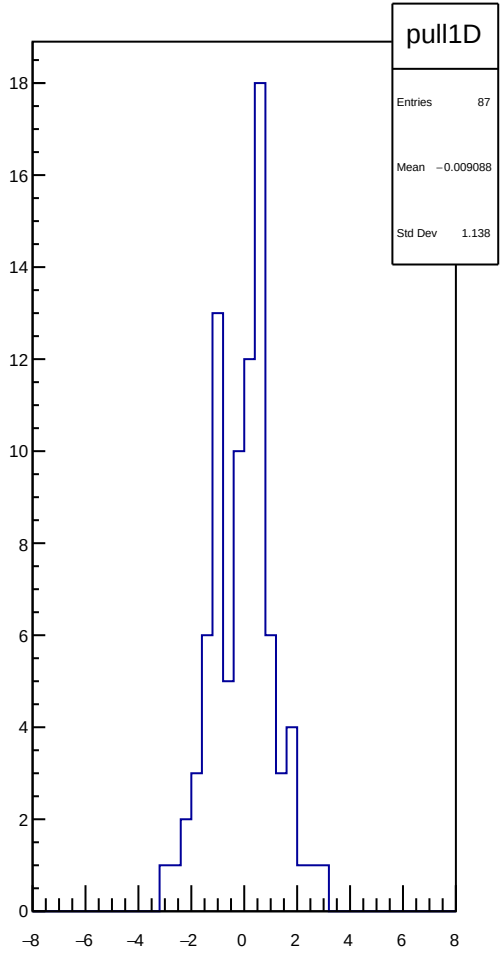

dit_asym_atr_avg_rms vs run
χ² / ndf 180.7 / 86
p0 1950 ± 1.514
2020
2000
1980
1960
1940
1920
1900
1880


asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 100.1 / 86
p0 −7172 ± 6018
200
100
0
−100
−200
pull
Entries 87
Mean −351.3
Std Dev 378.4
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.0078
Std Dev 1.073
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

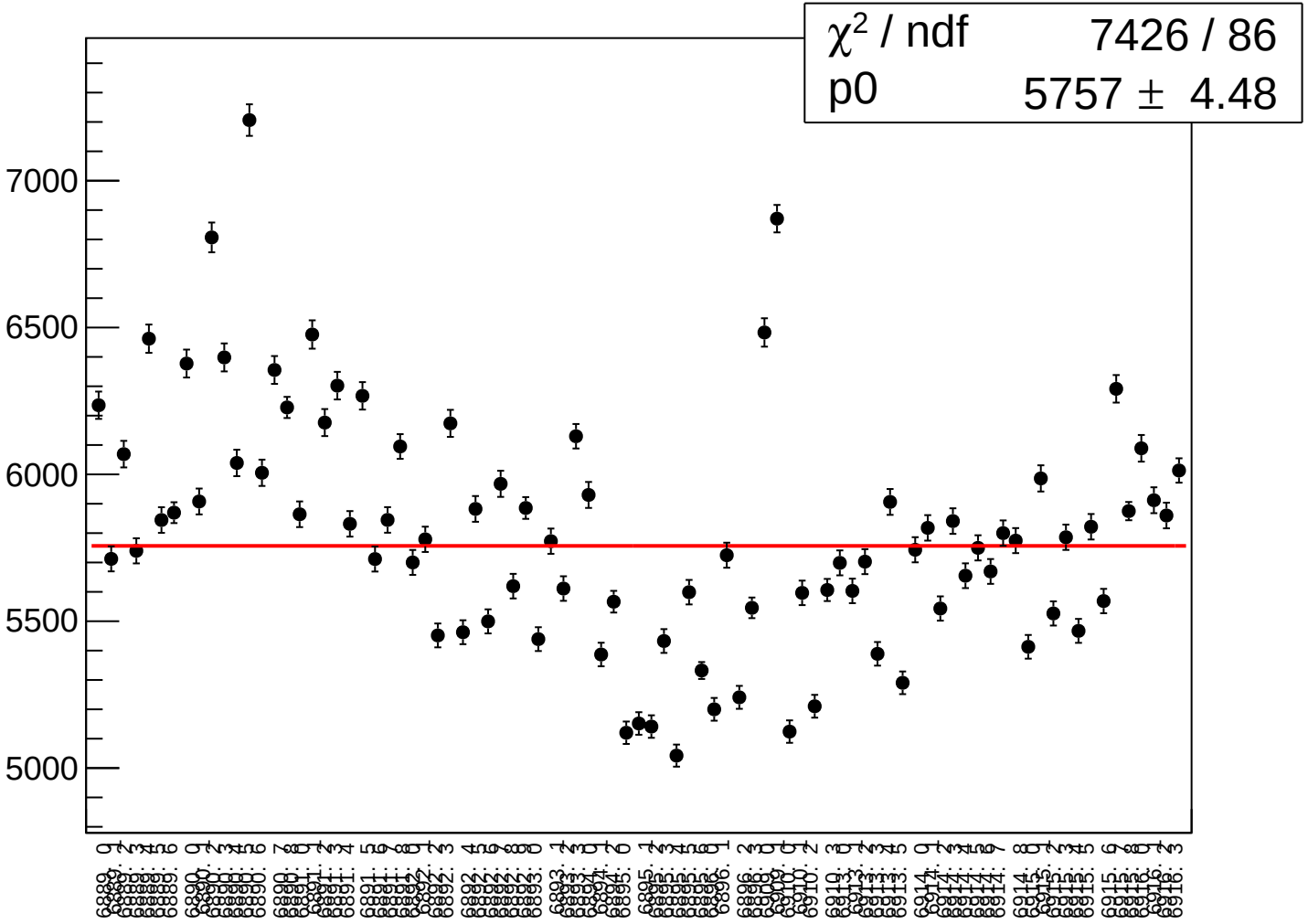
asym_atr_avg_correction_rms vs run

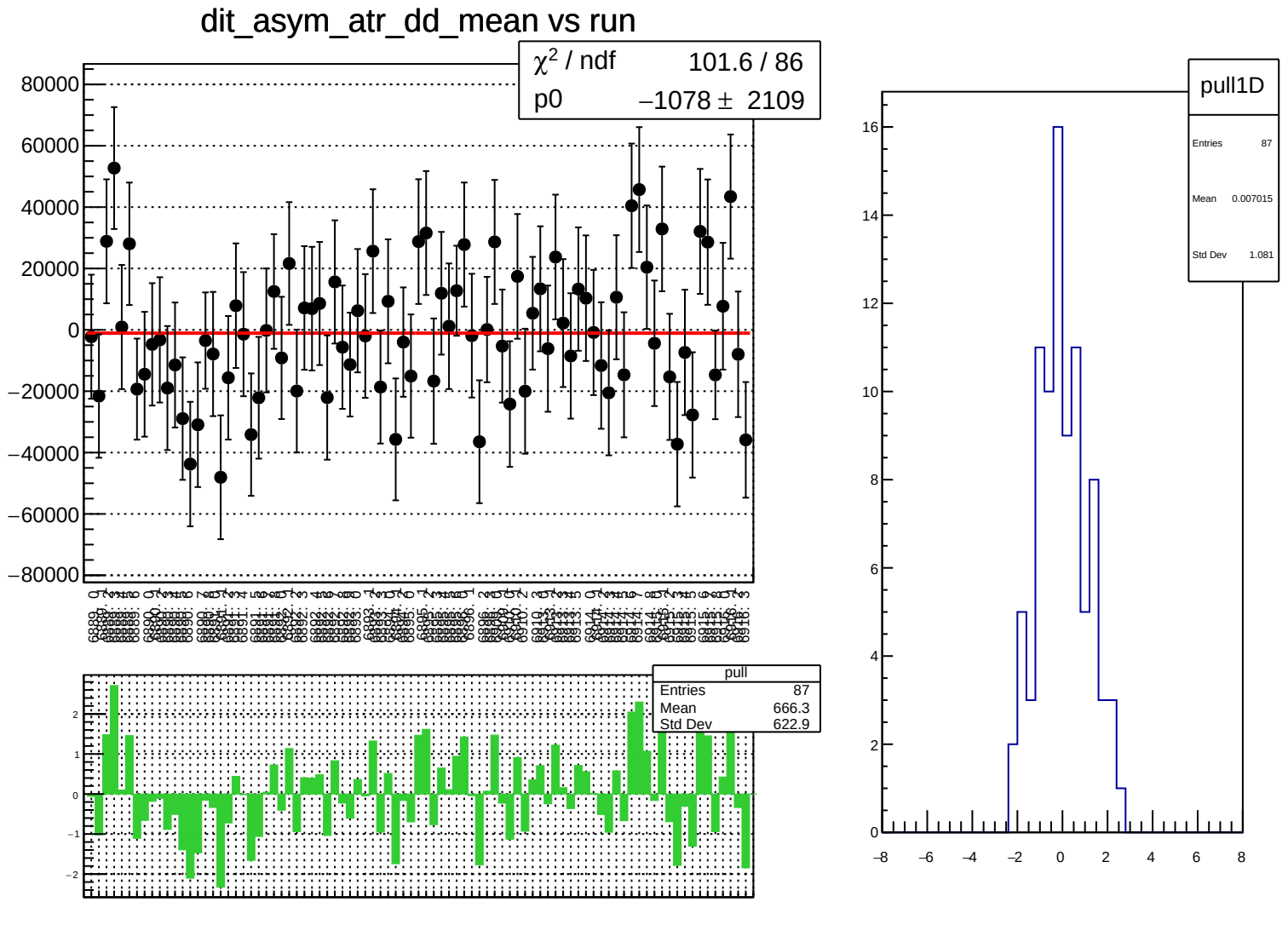


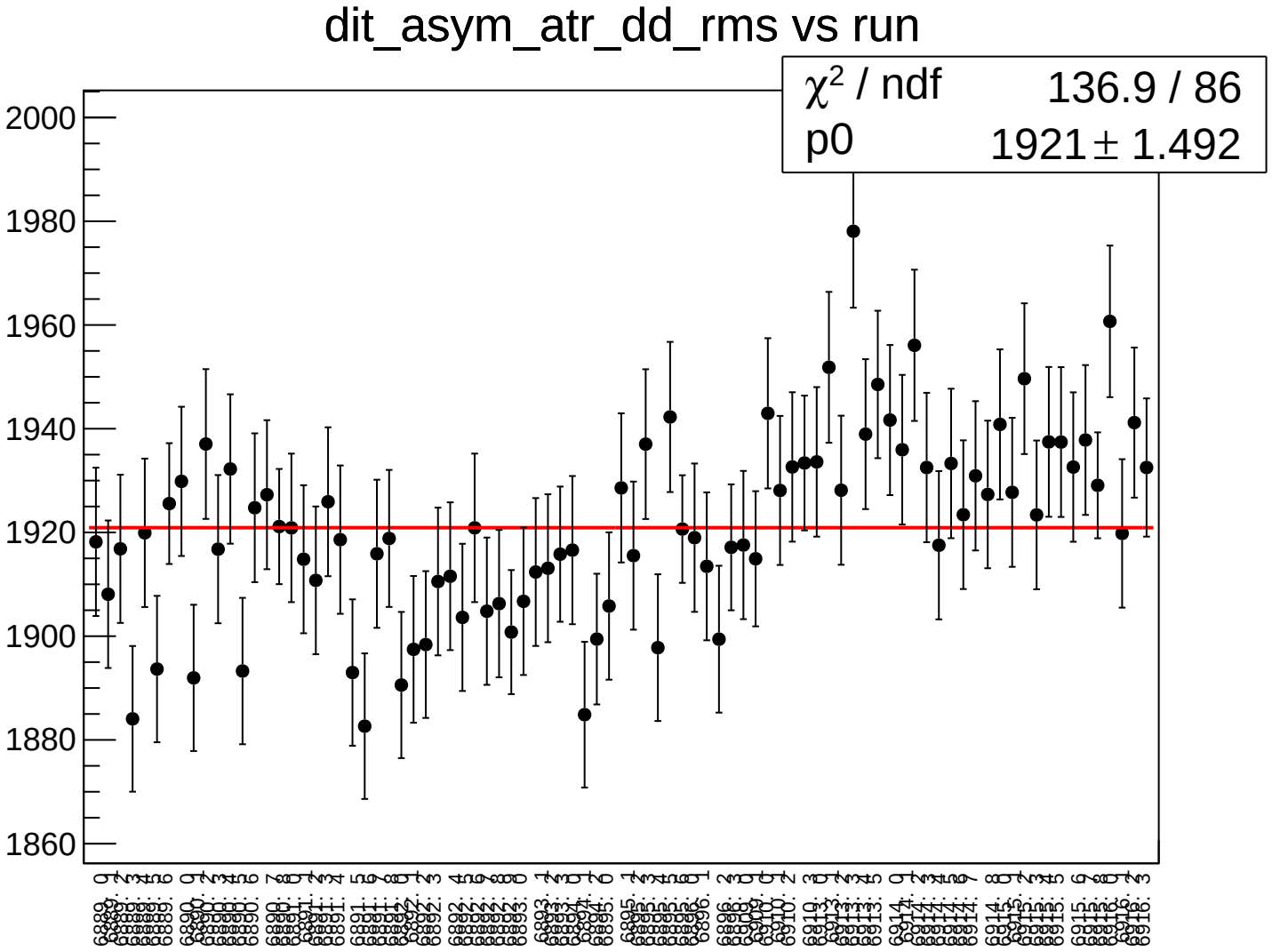

asym_atr_avg_mean vs run
×10^3
χ² / ndf 112.7 / 86
p0 1016 ± 6335
pull
Entries 87
Mean −392.4
Std Dev 424

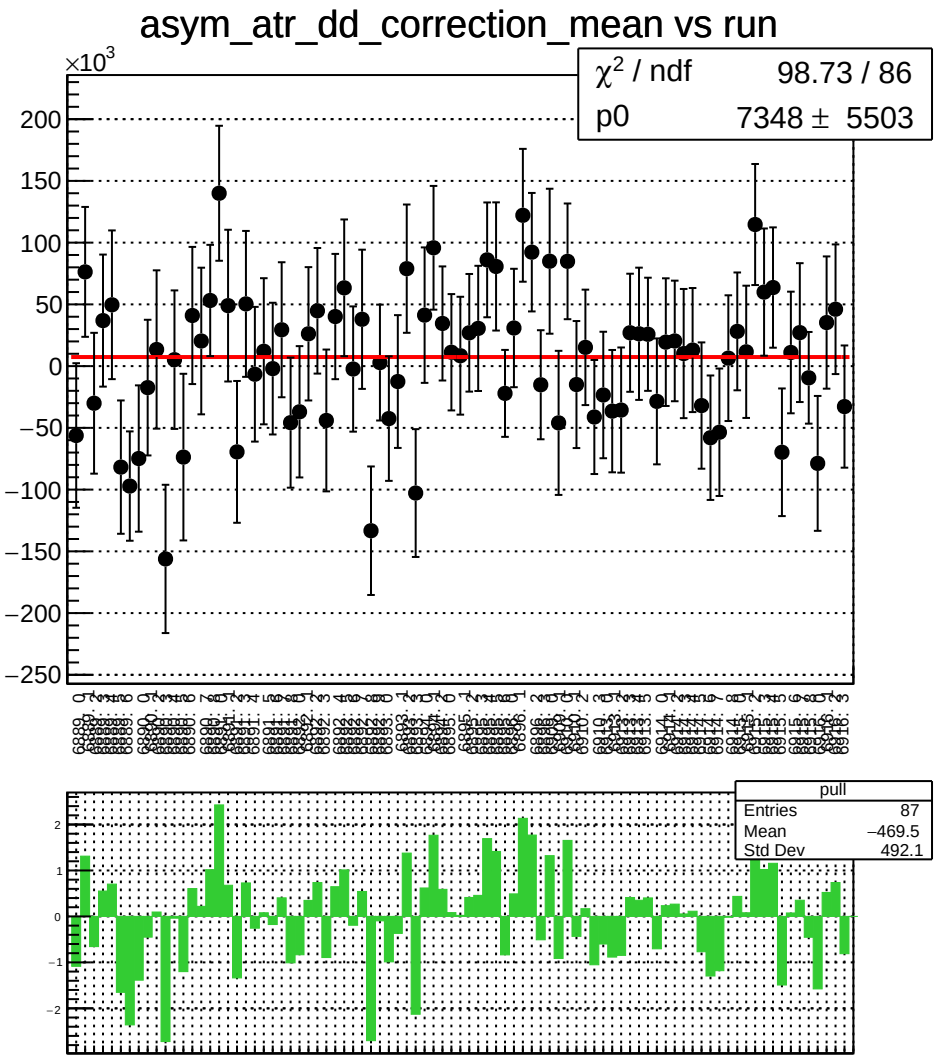

pull1D
Entries 87
Mean −0.009088
Std Dev 1.138

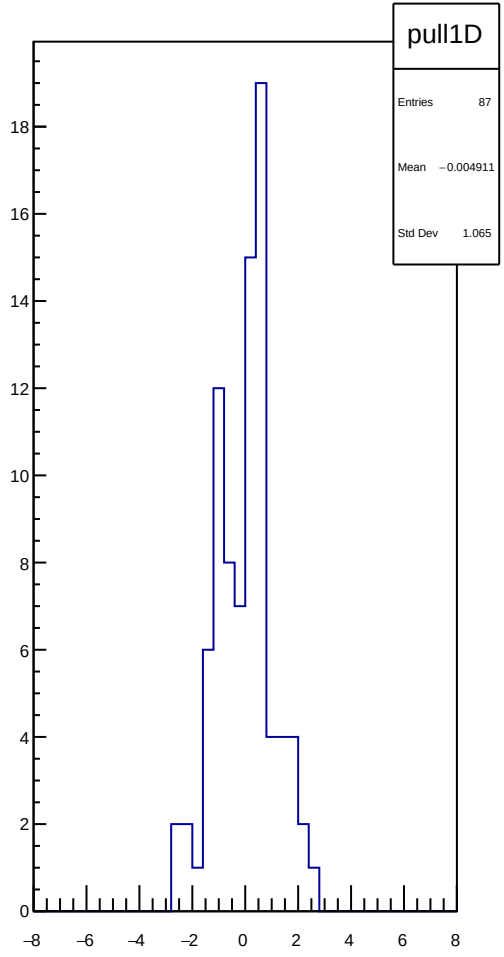
asym_atr_avg_rms vs run



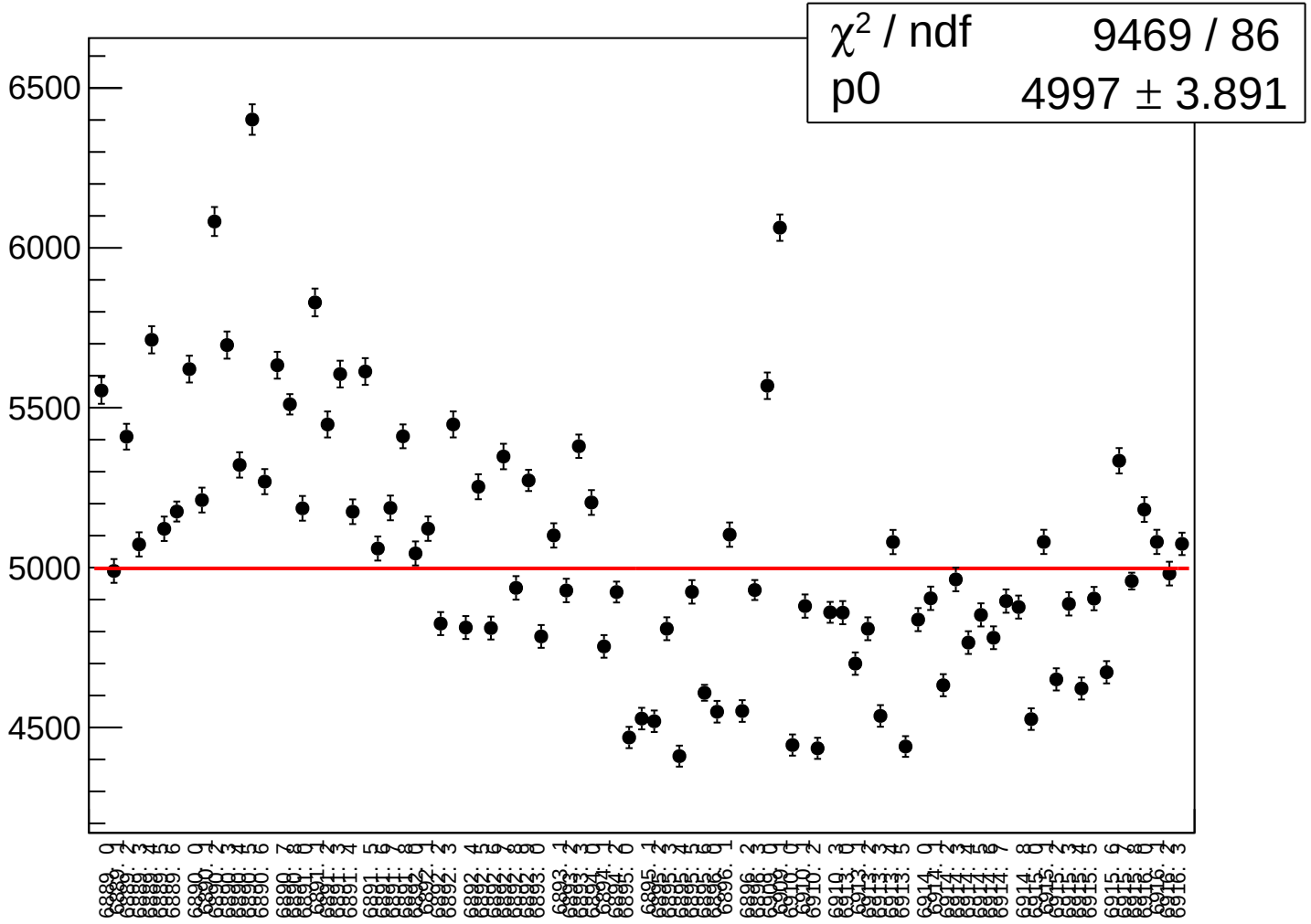

dit_asym_atr_dd_mean vs run
χ² / ndf 101.6 / 86
p0 −1078 ± 2109
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean 666.3
Std Dev 622.9
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.007015
Std Dev 1.081
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

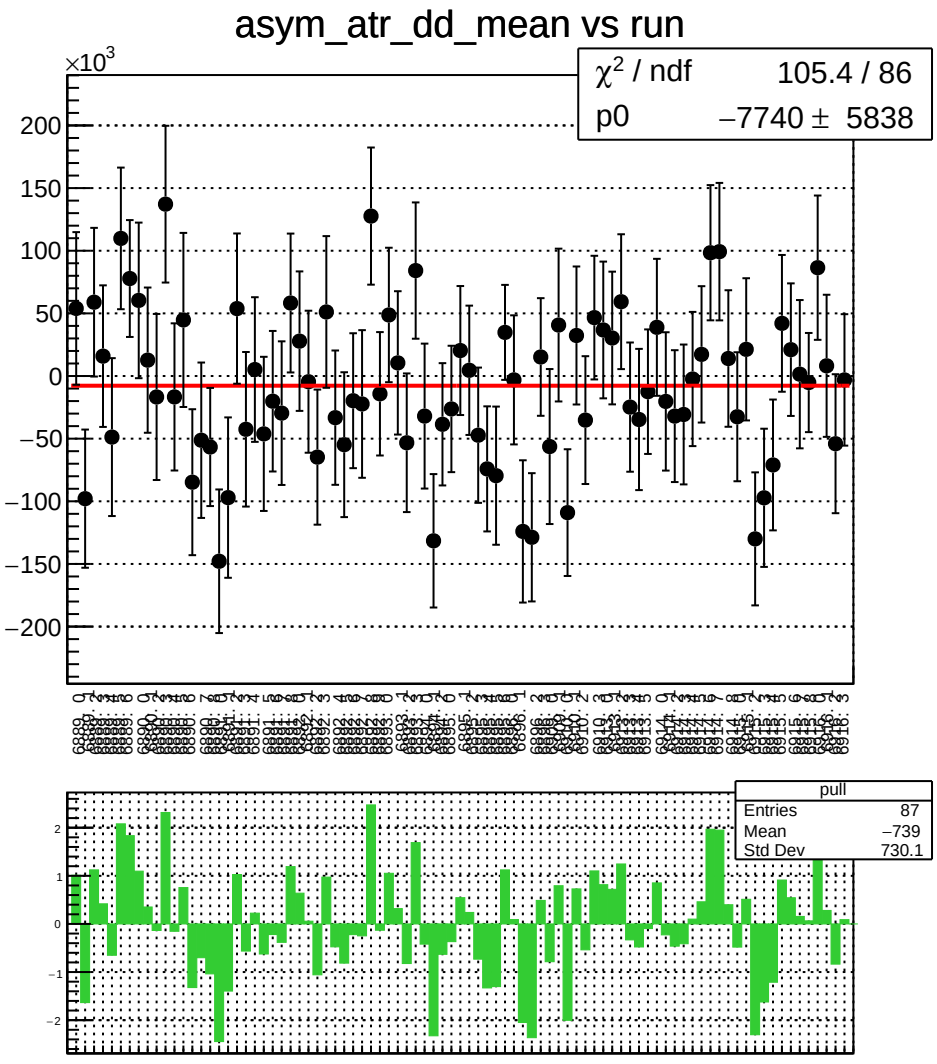

dit_asym_atr_dd_rms vs run
χ² / ndf 136.9 / 86
p0 1921 ± 1.492
2000
1980
1960
1940
1920
1900
1880
1860

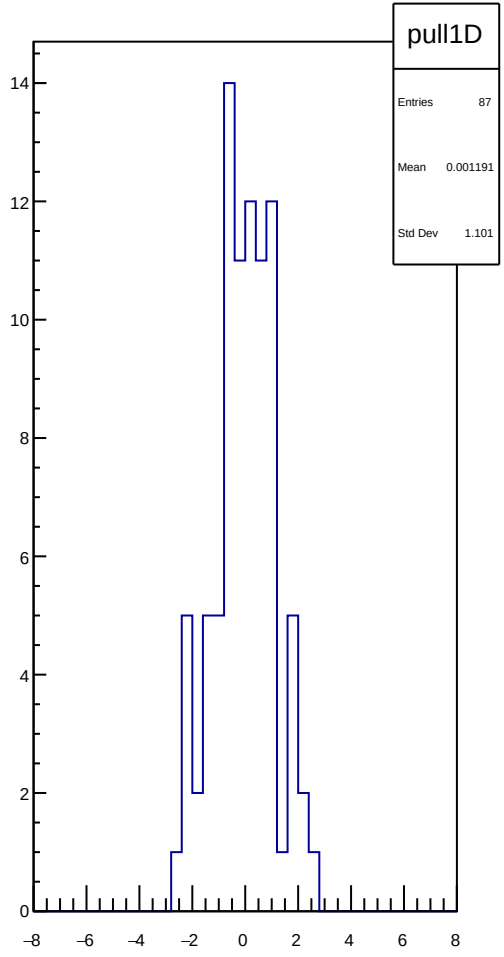

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 98.73 / 86
p0 7348 ± 5503
pull
Entries 87
Mean −469.5
Std Dev 492.1


pull1D
Entries 87
Mean −0.004911
Std Dev 1.065

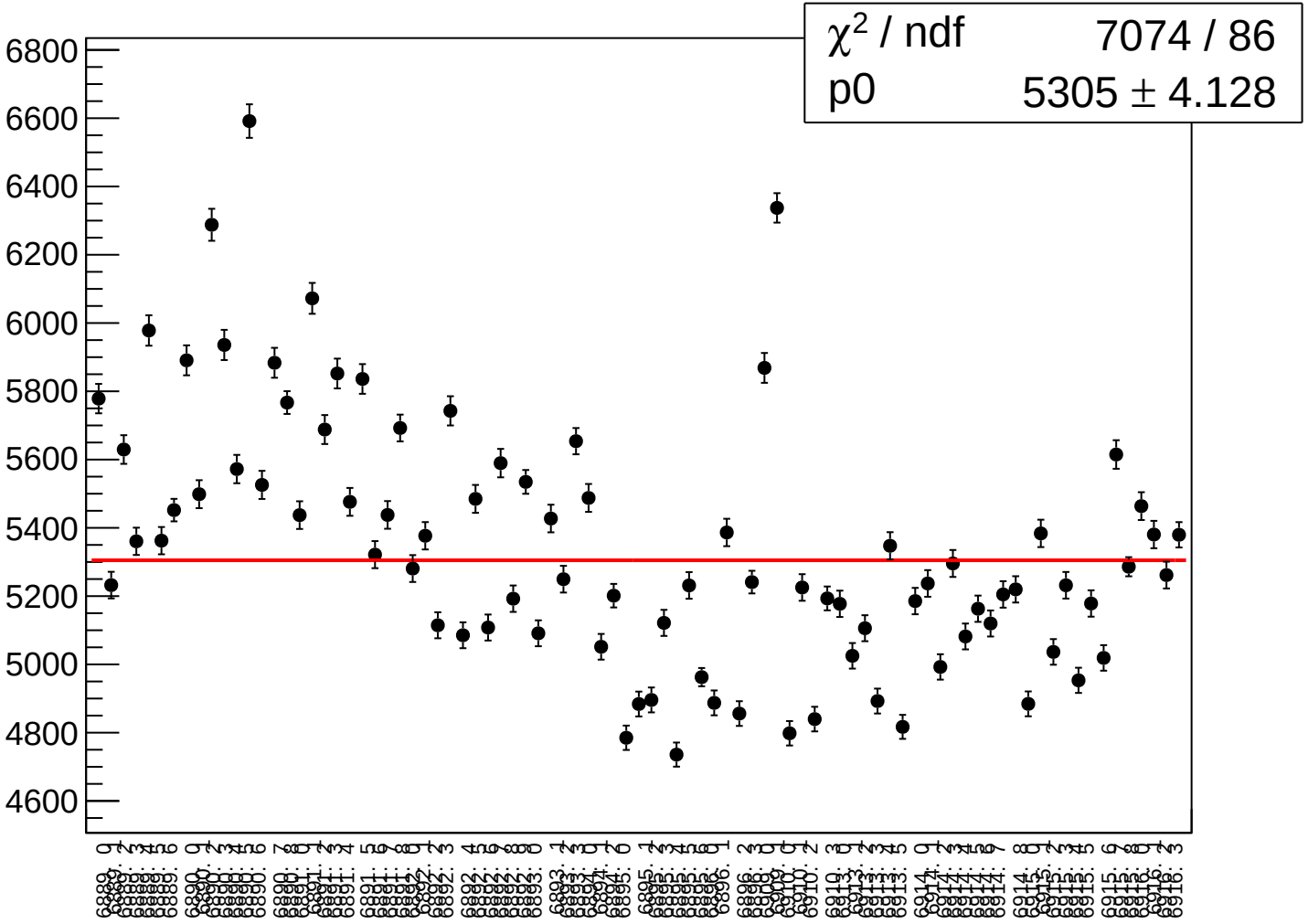
asym_atr_dd_correction_rms vs run

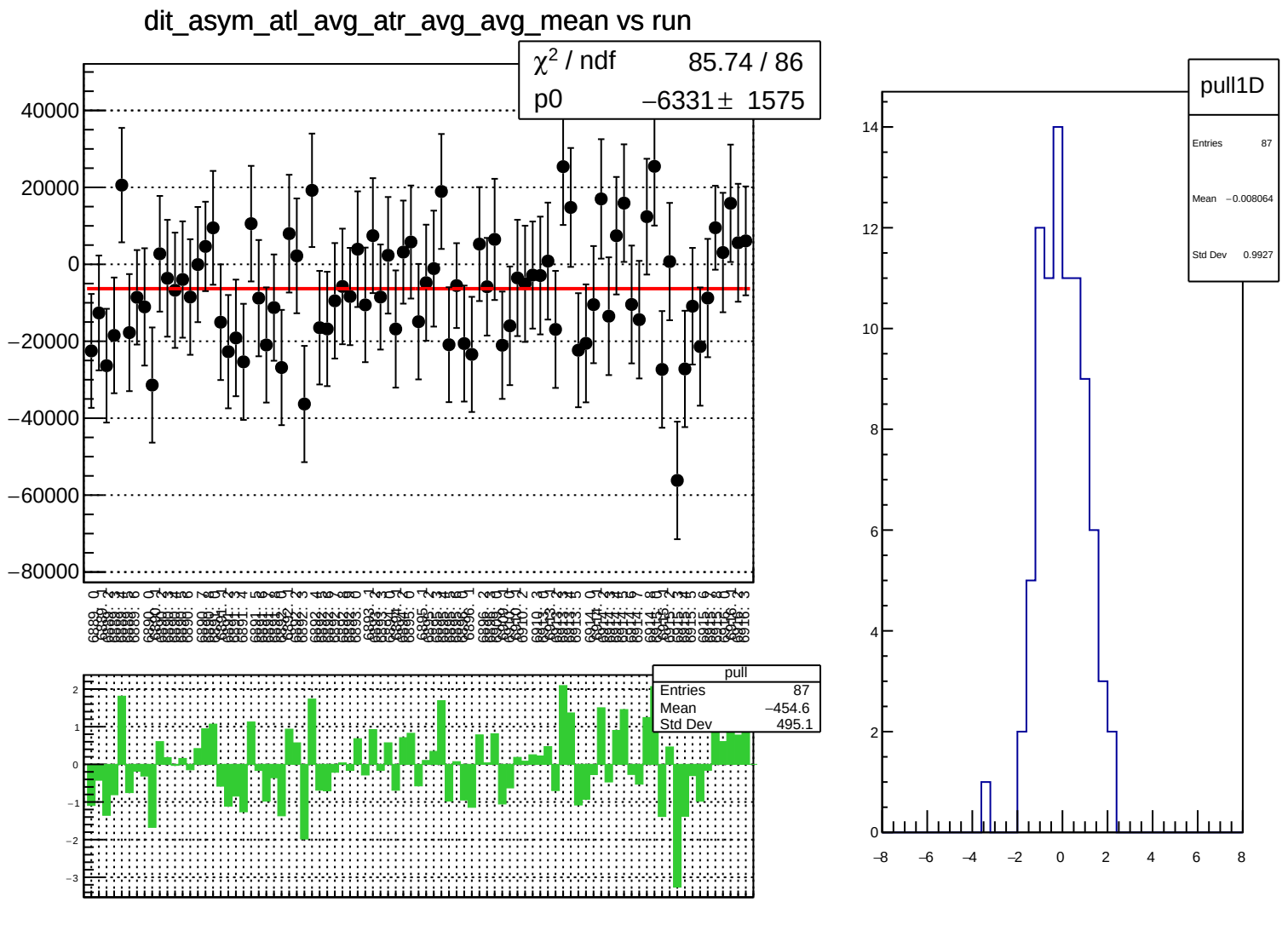


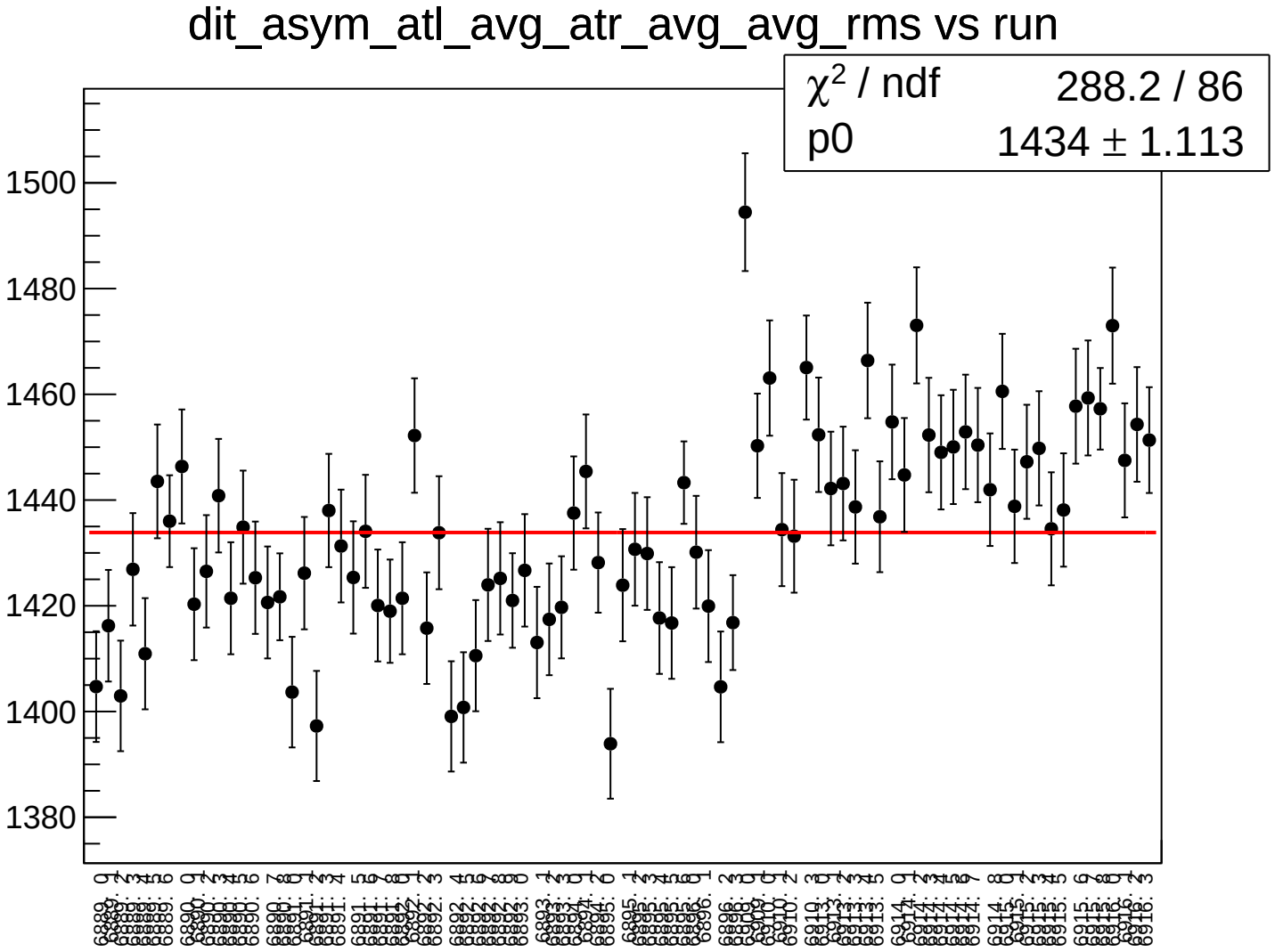

asym_atr_dd_mean vs run
×10^3
χ² / ndf 105.4 / 86
p0 −7740 ± 5838
pull
Entries 87
Mean −739
Std Dev 730.1

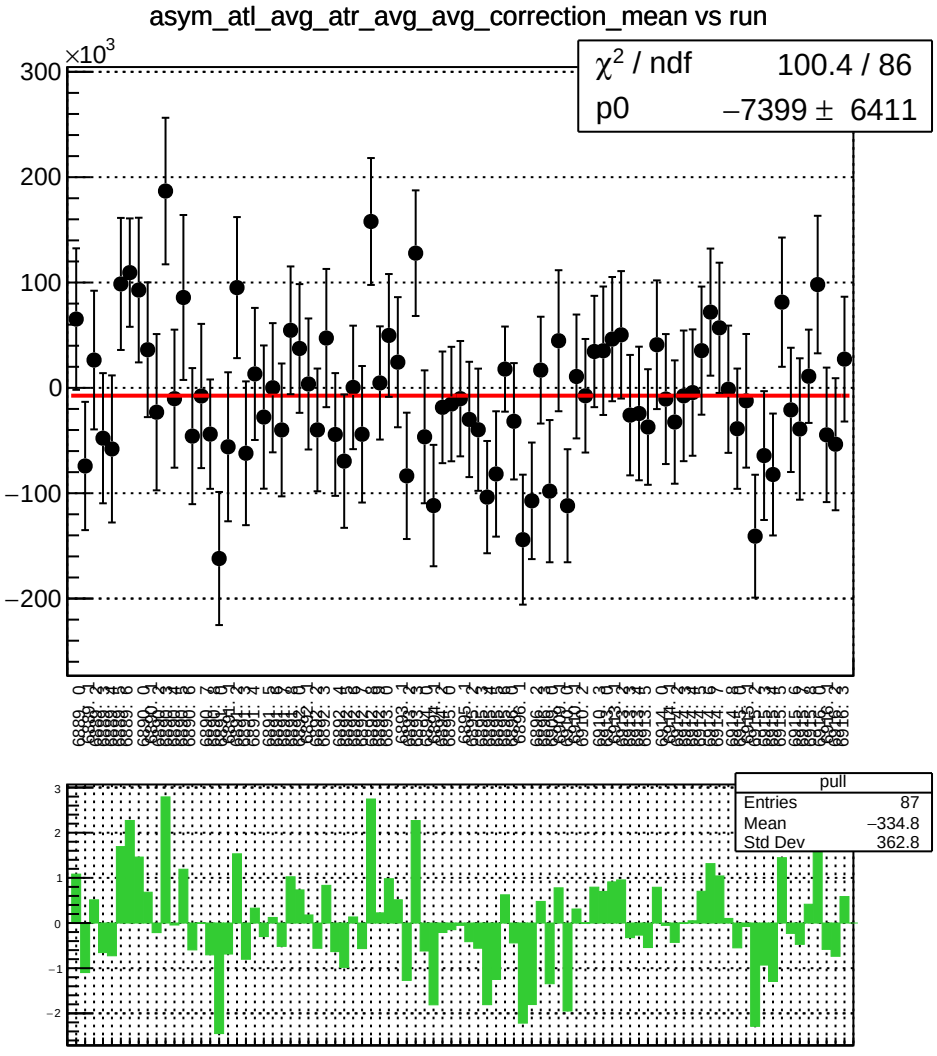

pull1D
Entries 87
Mean 0.001191
Std Dev 1.101

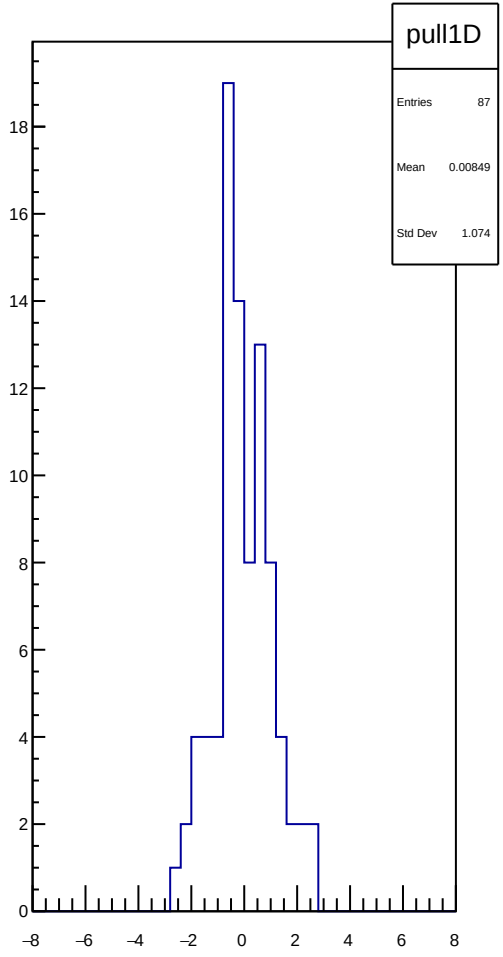
asym_atr_dd_rms vs run

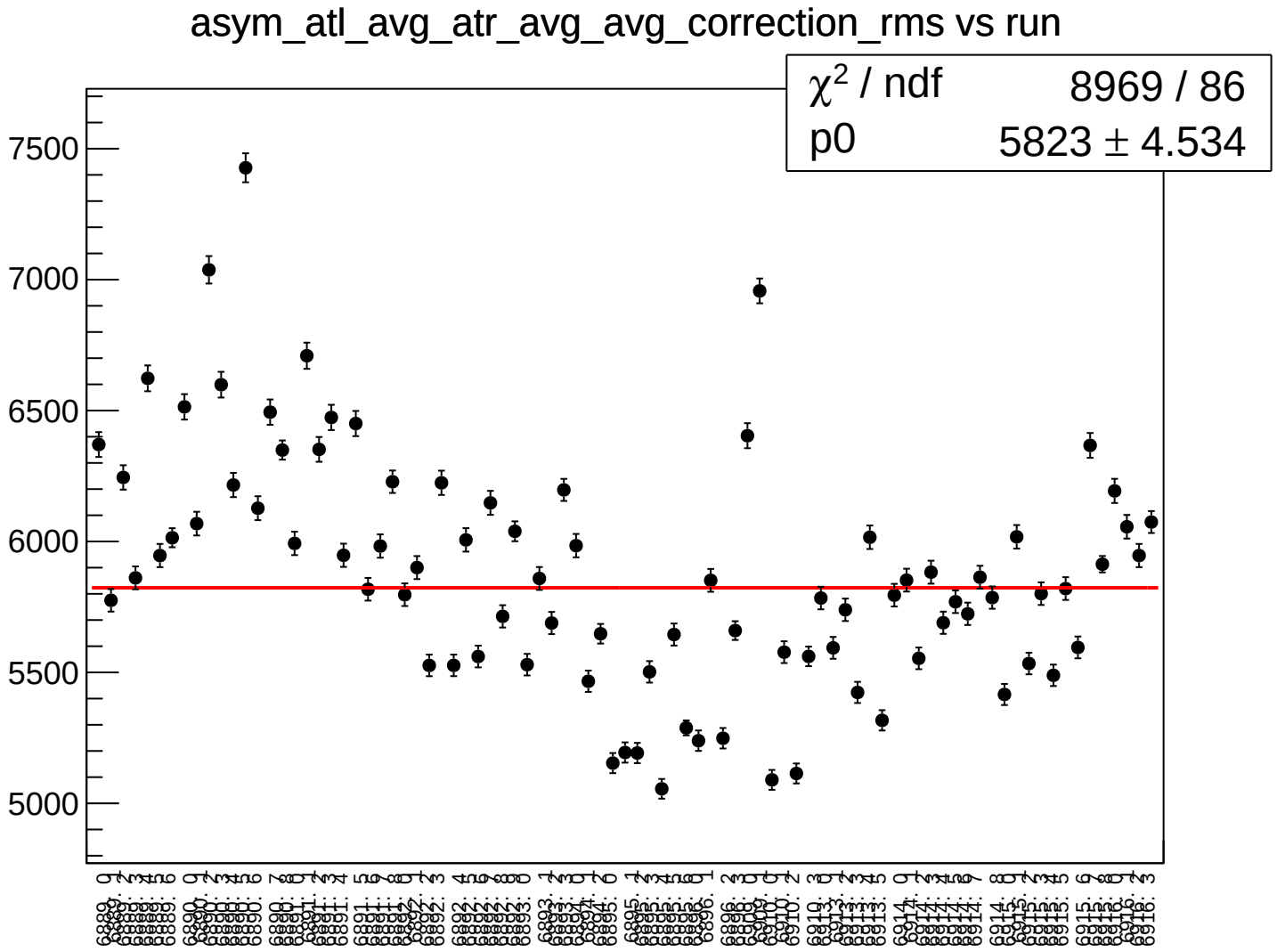


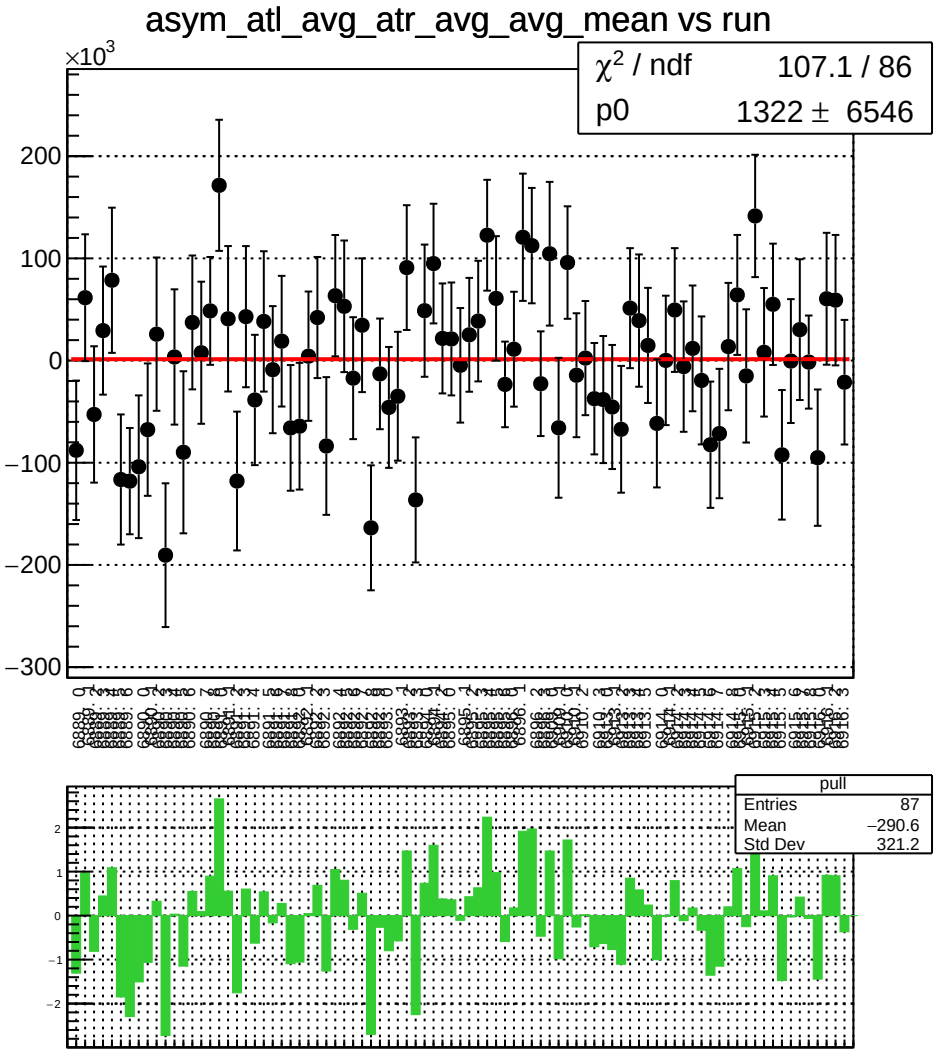

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 85.74 / 86
p0 −6331 ± 1575
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean −454.6
Std Dev 495.1
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.008064
Std Dev 0.9927
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

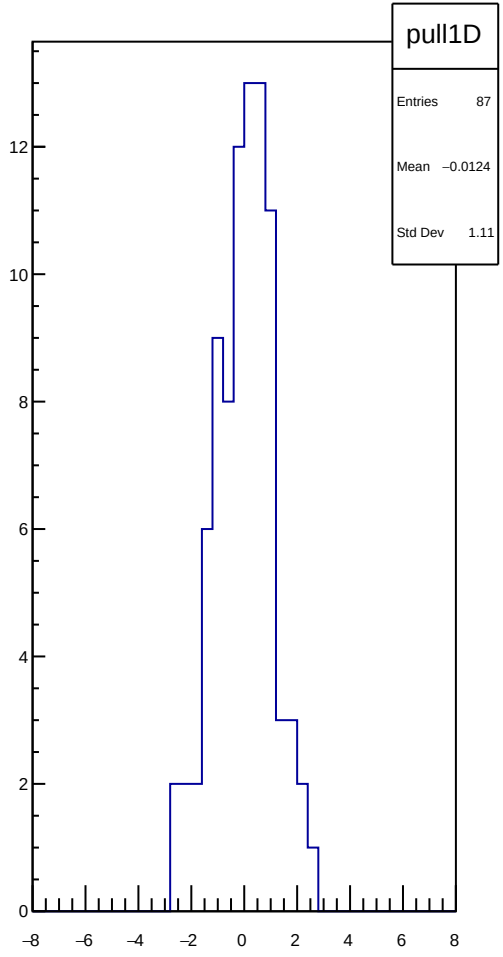

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 288.2 / 86
p0 1434 ± 1.113
1500
1480
1460
1440
1420
1400
1380


asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 100.4 / 86
p0 −7399 ± 6411
pull
Entries 87
Mean −334.8
Std Dev 362.8

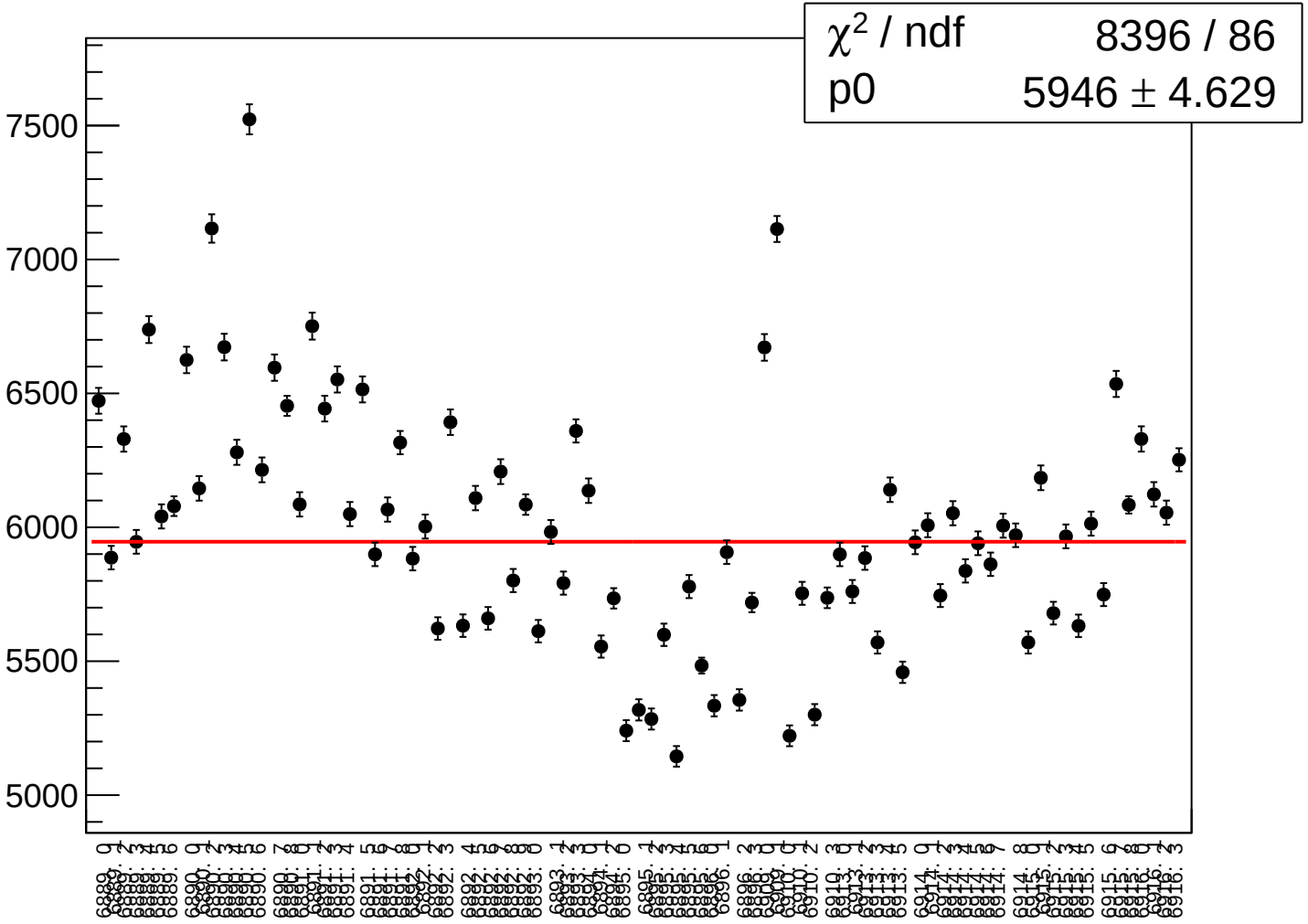

pull1D
Entries 87
Mean 0.00849
Std Dev 1.074

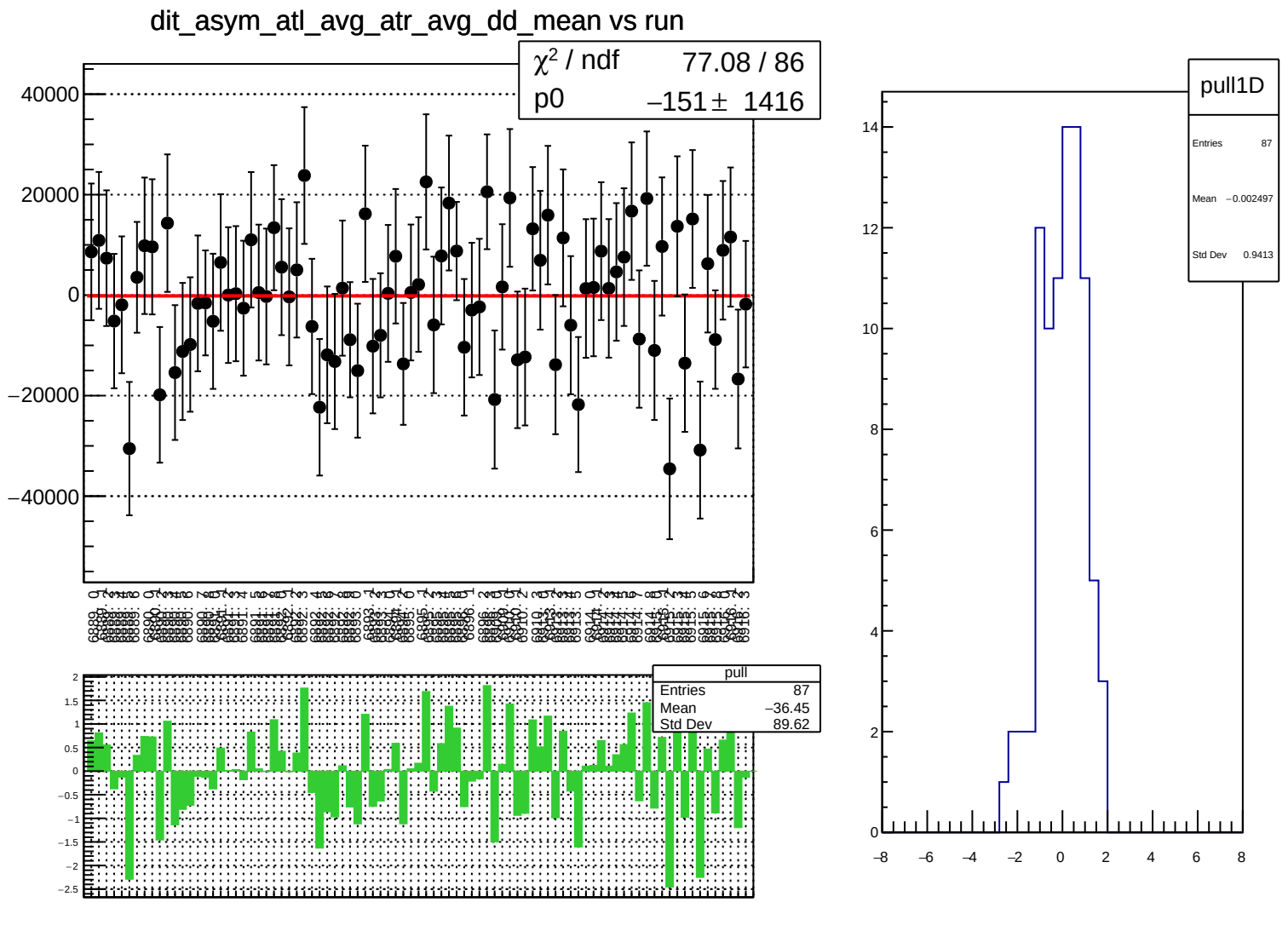

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 8969 / 86
p0 5823 ± 4.534
7500
7000
6500
6000
5500
5000


asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 107.1 / 86
p0 1322 ± 6546
200
100
0
−100
−200
−300
pull
Entries 87
Mean −290.6
Std Dev 321.2
2
1
0
−1
−2

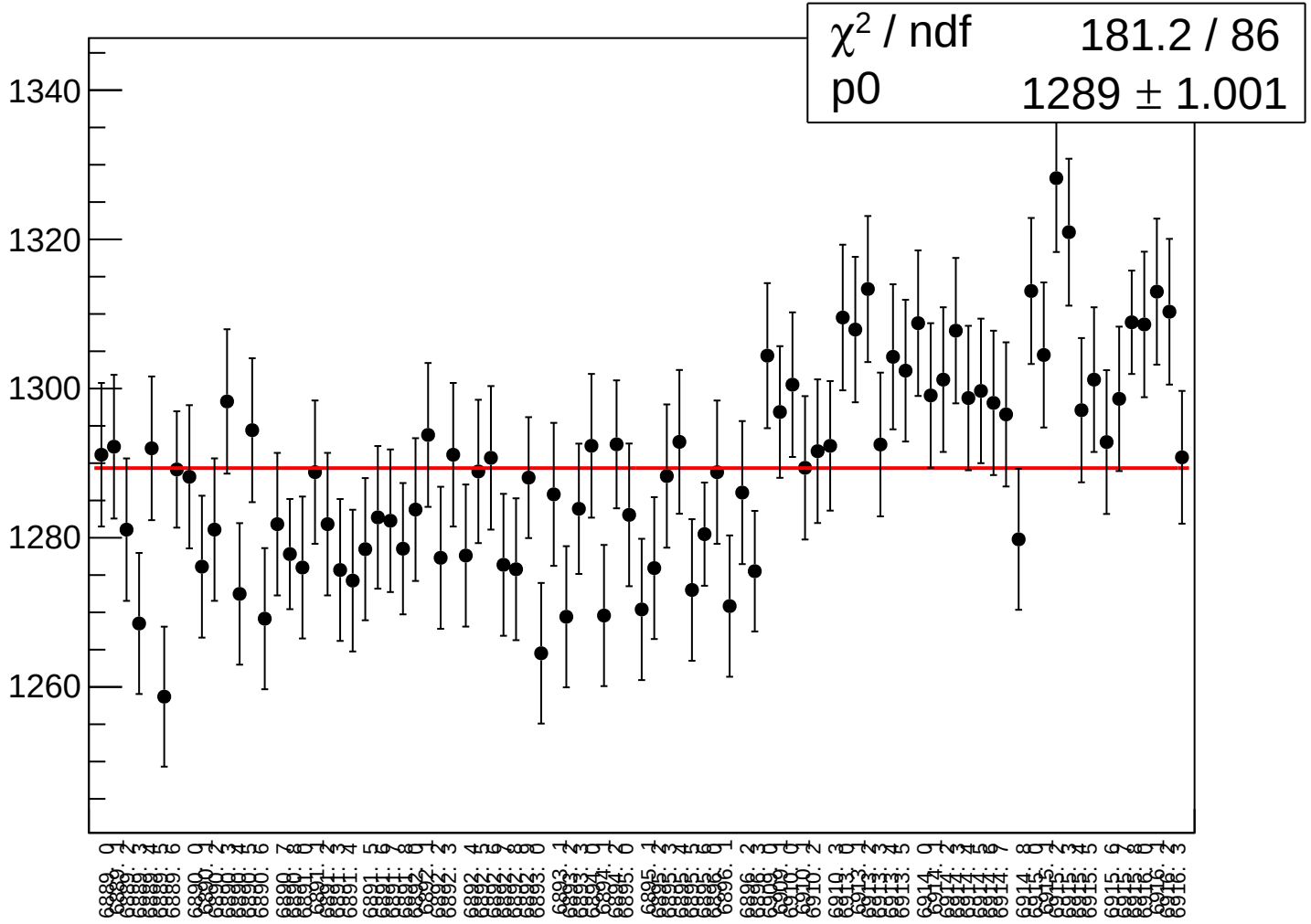

pull1D
Entries 87
Mean −0.0124
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

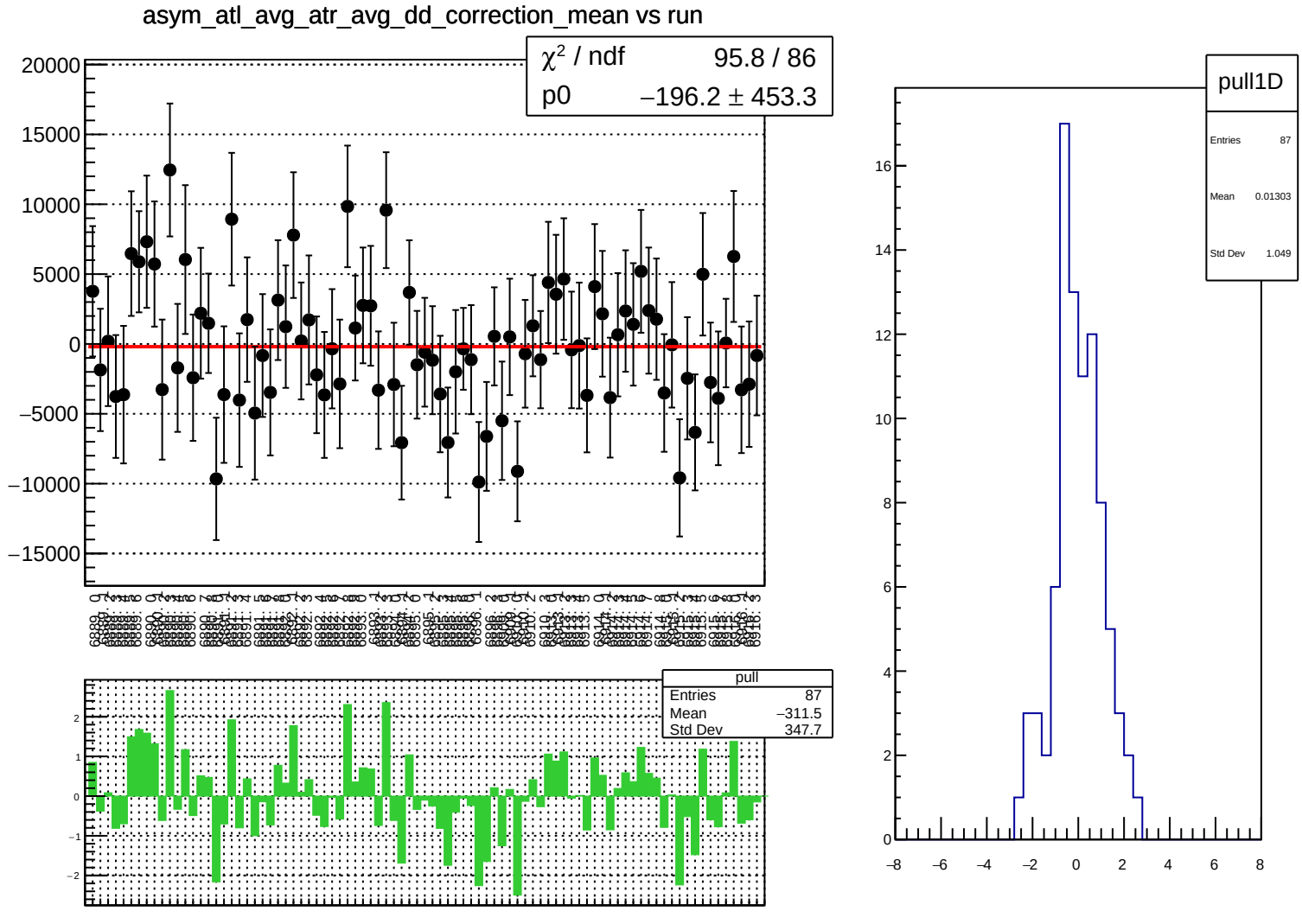
asym_atl_avg_atr_avg_avg_rms vs run

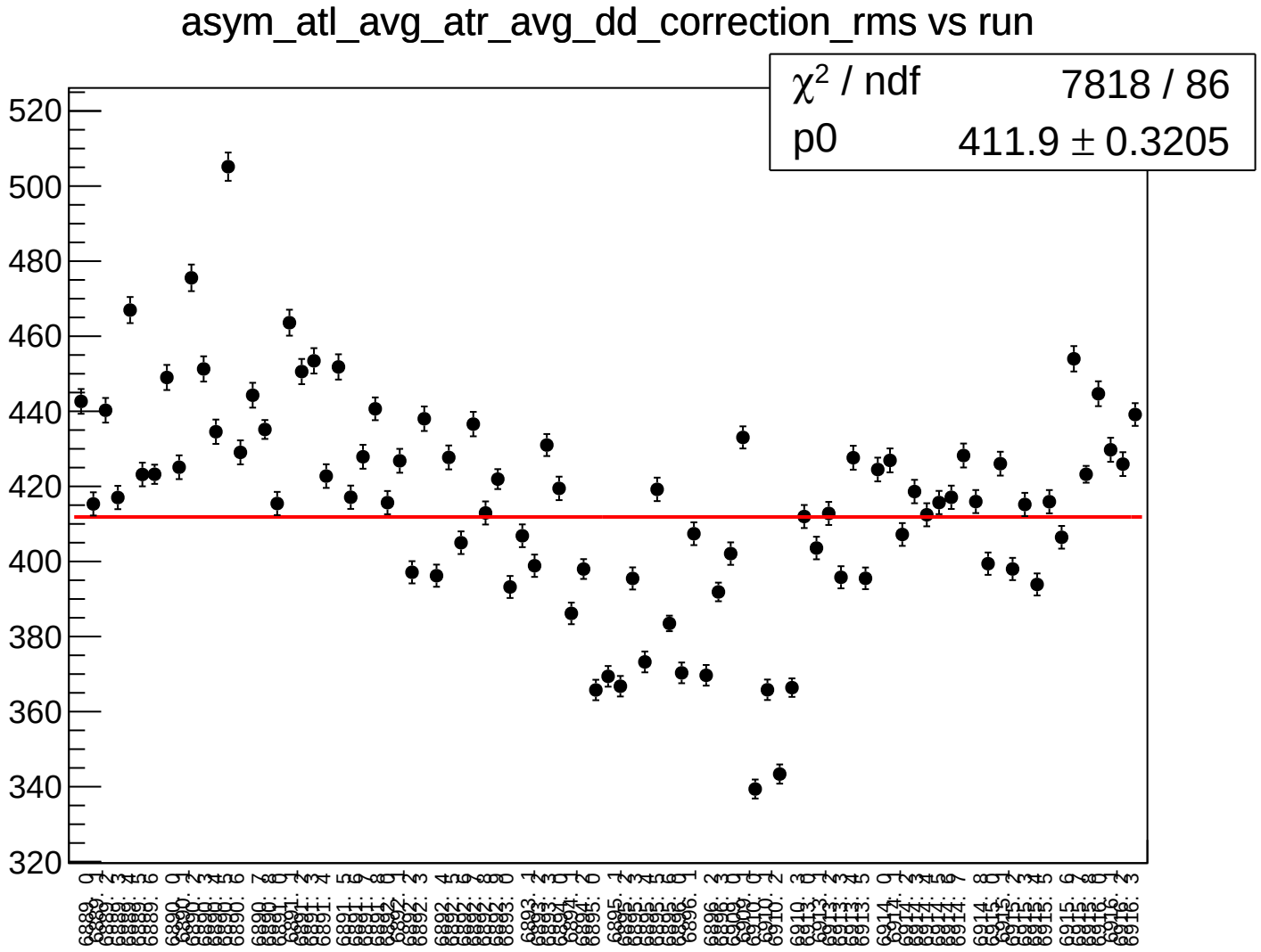


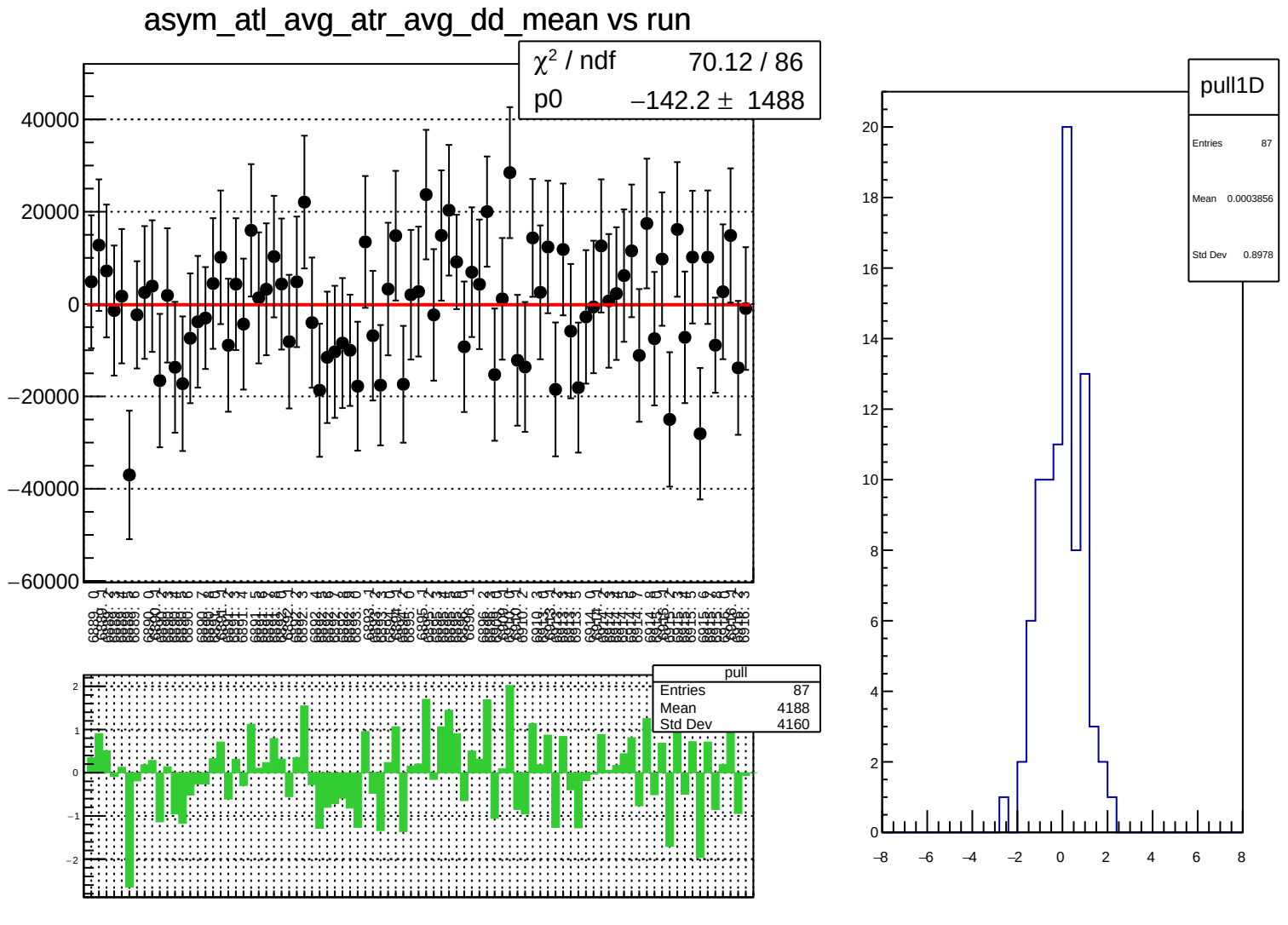

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.08 / 86
p0 −151 ± 1416
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −36.45
Std Dev 89.62
pull1D
Entries 87
Mean −0.002497
Std Dev 0.9413

dit_asym_atl_avg_atr_avg_dd_rms vs run

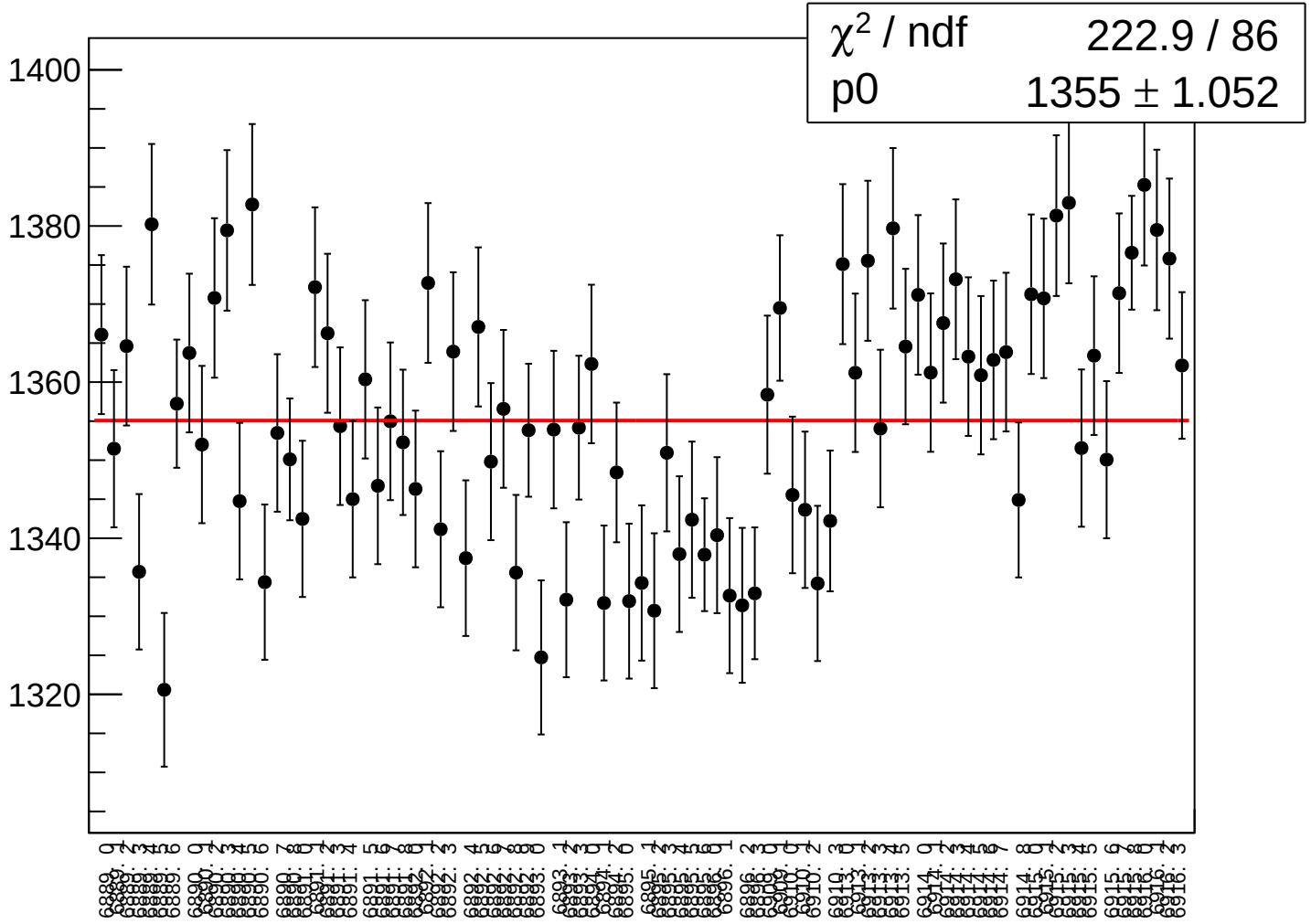


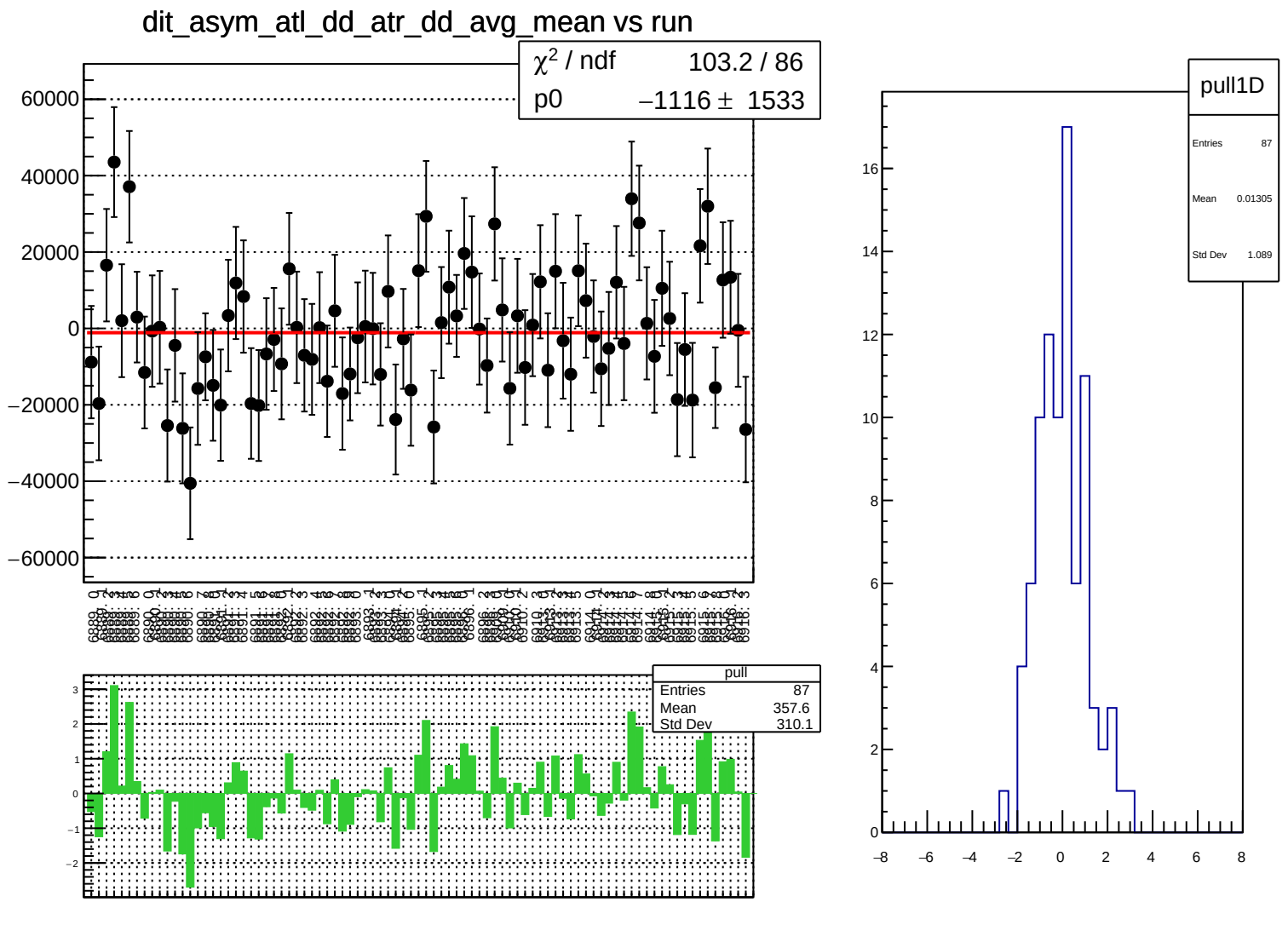

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 95.8 / 86
p0 −196.2 ± 453.3
pull
Entries 87
Mean −311.5
Std Dev 347.7
pull1D
Entries 87
Mean 0.01303
Std Dev 1.049


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 7818 / 86
p0 411.9 ± 0.3205
520
500
480
460
440
420
400
380
360
340
320

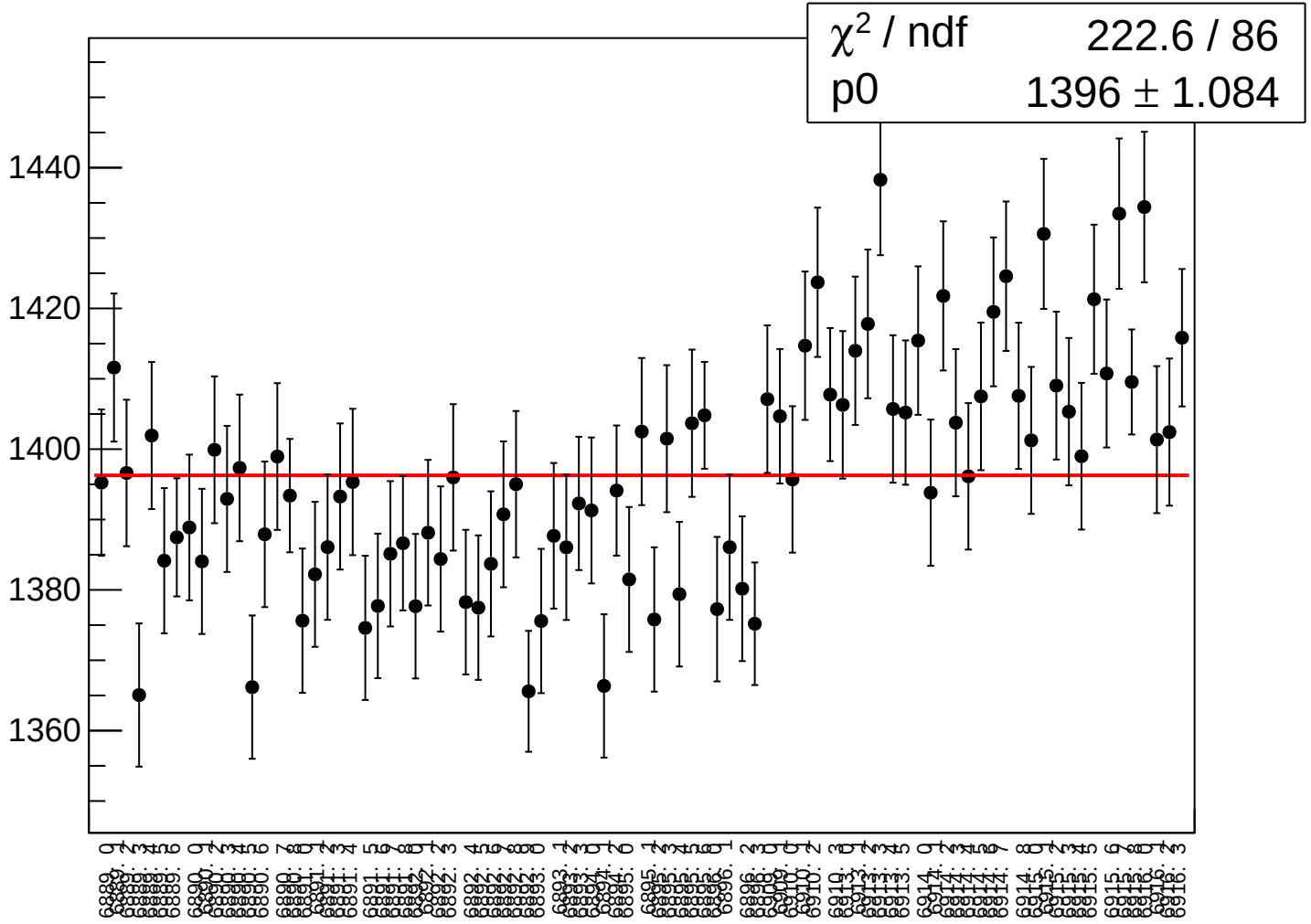

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 70.12 / 86
p0 −142.2 ± 1488
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 4188
Std Dev 4160
pull1D
Entries 87
Mean 0.0003856
Std Dev 0.8978

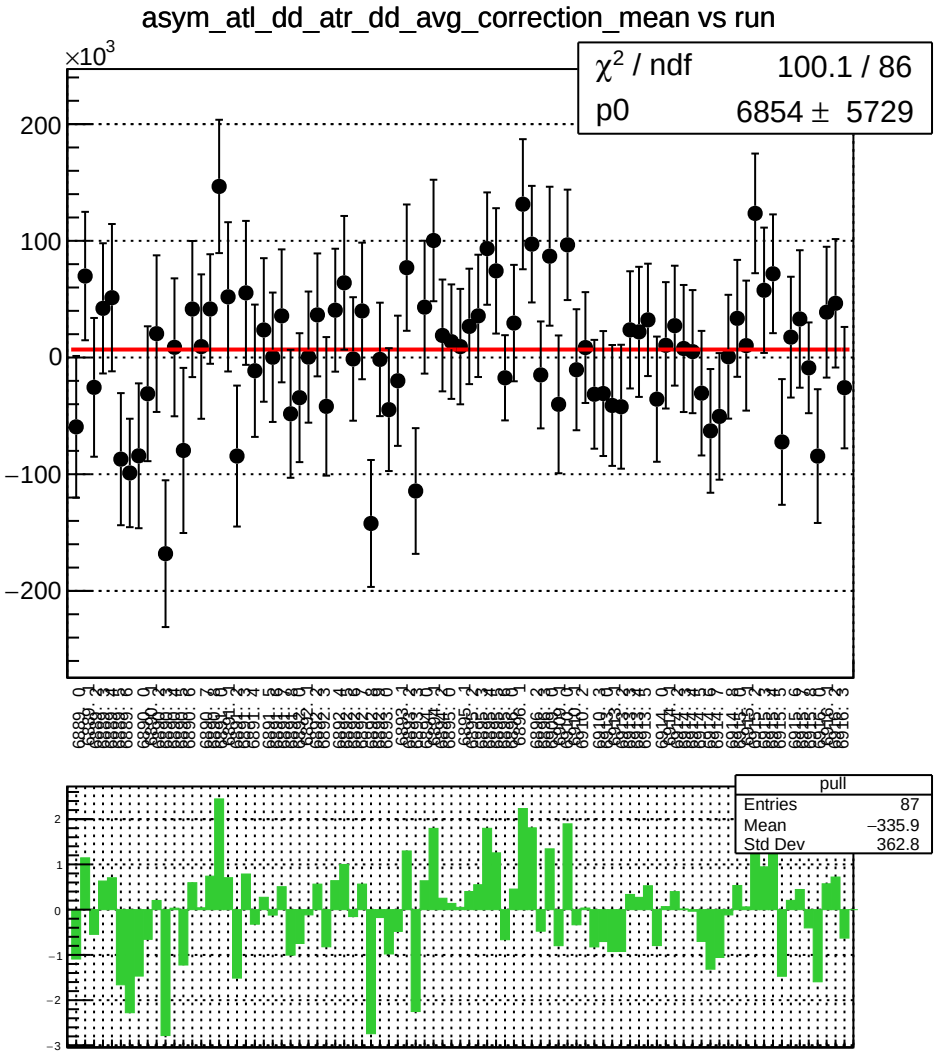
asym_atl_avg_atr_avg_dd_rms vs run

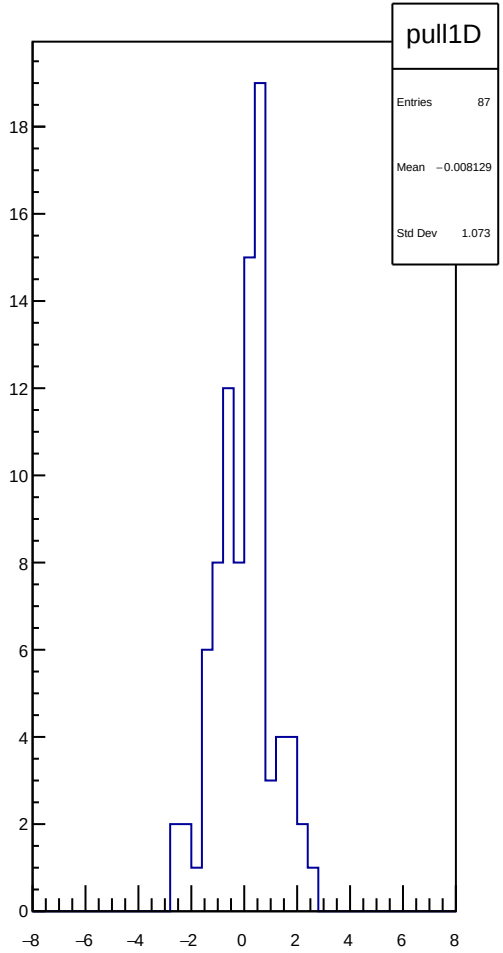


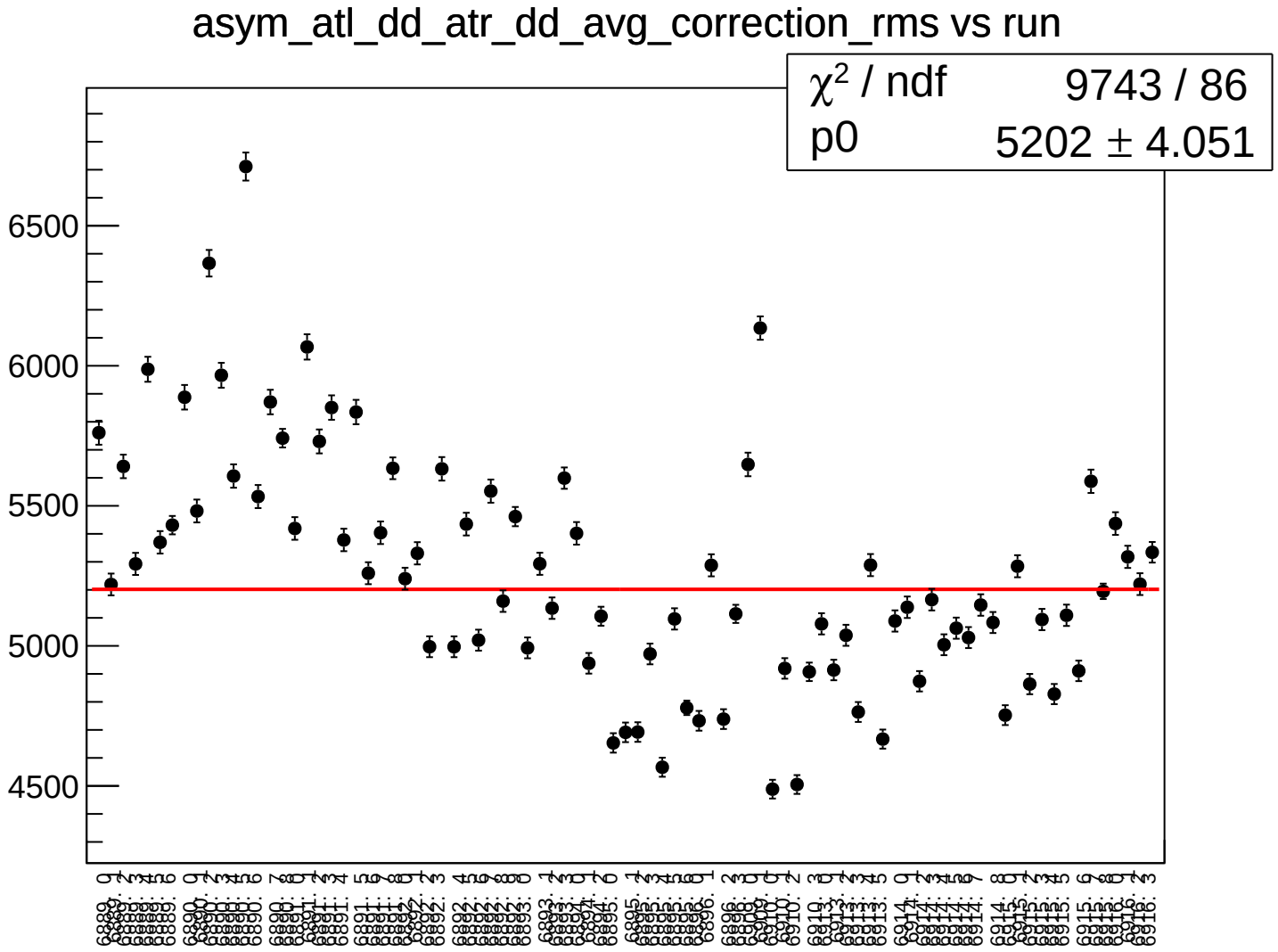

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 103.2 / 86
p0 −1116 ± 1533
pull
Entries 87
Mean 357.6
Std Dev 310.1
pull1D
Entries 87
Mean 0.01305
Std Dev 1.089

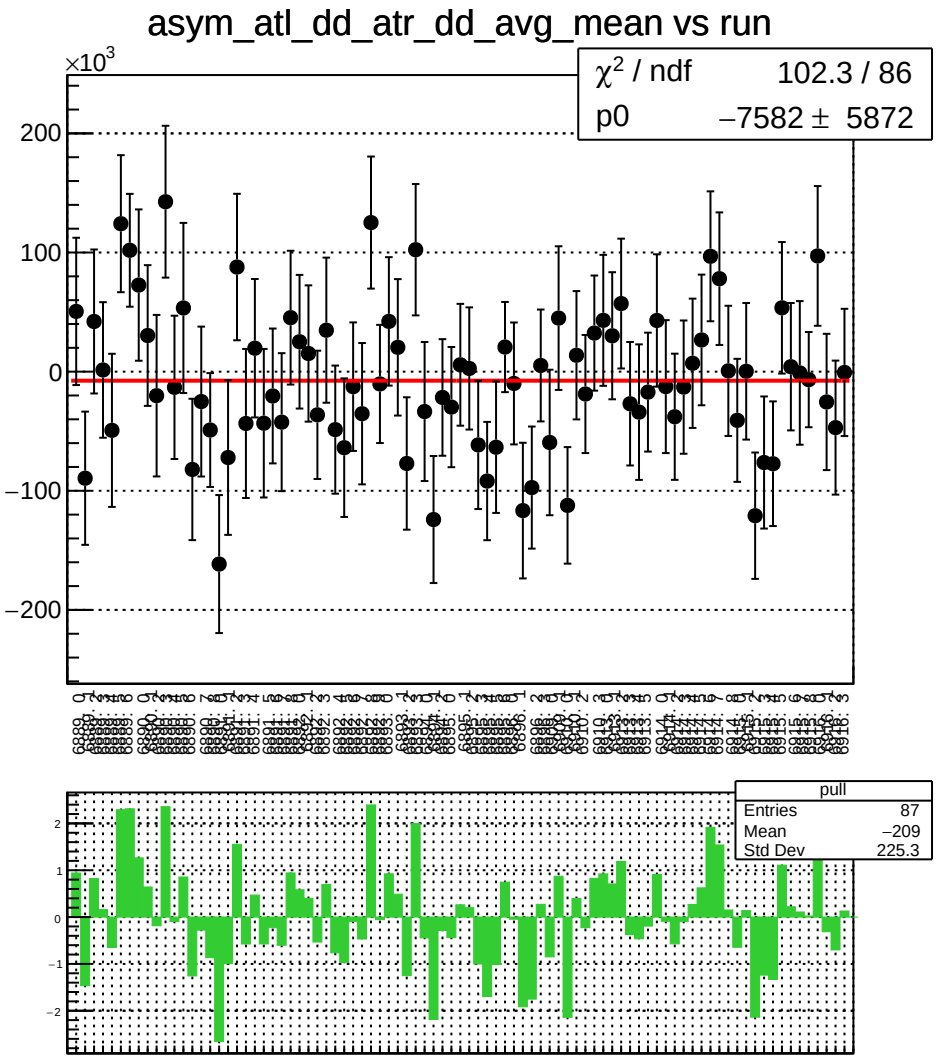
dit_asym_atl_dd_atr_dd_avg_rms vs run

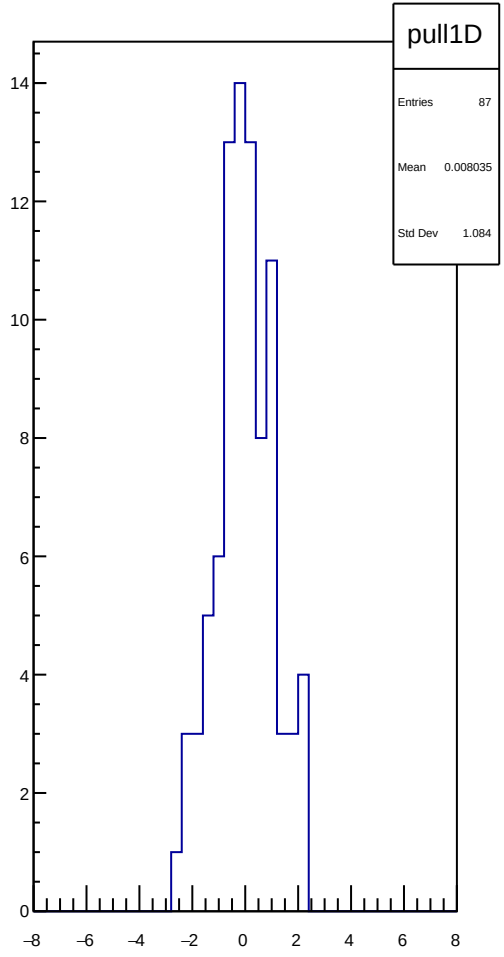



asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 100.1 / 86
p0 6854 ± 5729
pull
Entries 87
Mean −335.9
Std Dev 362.8

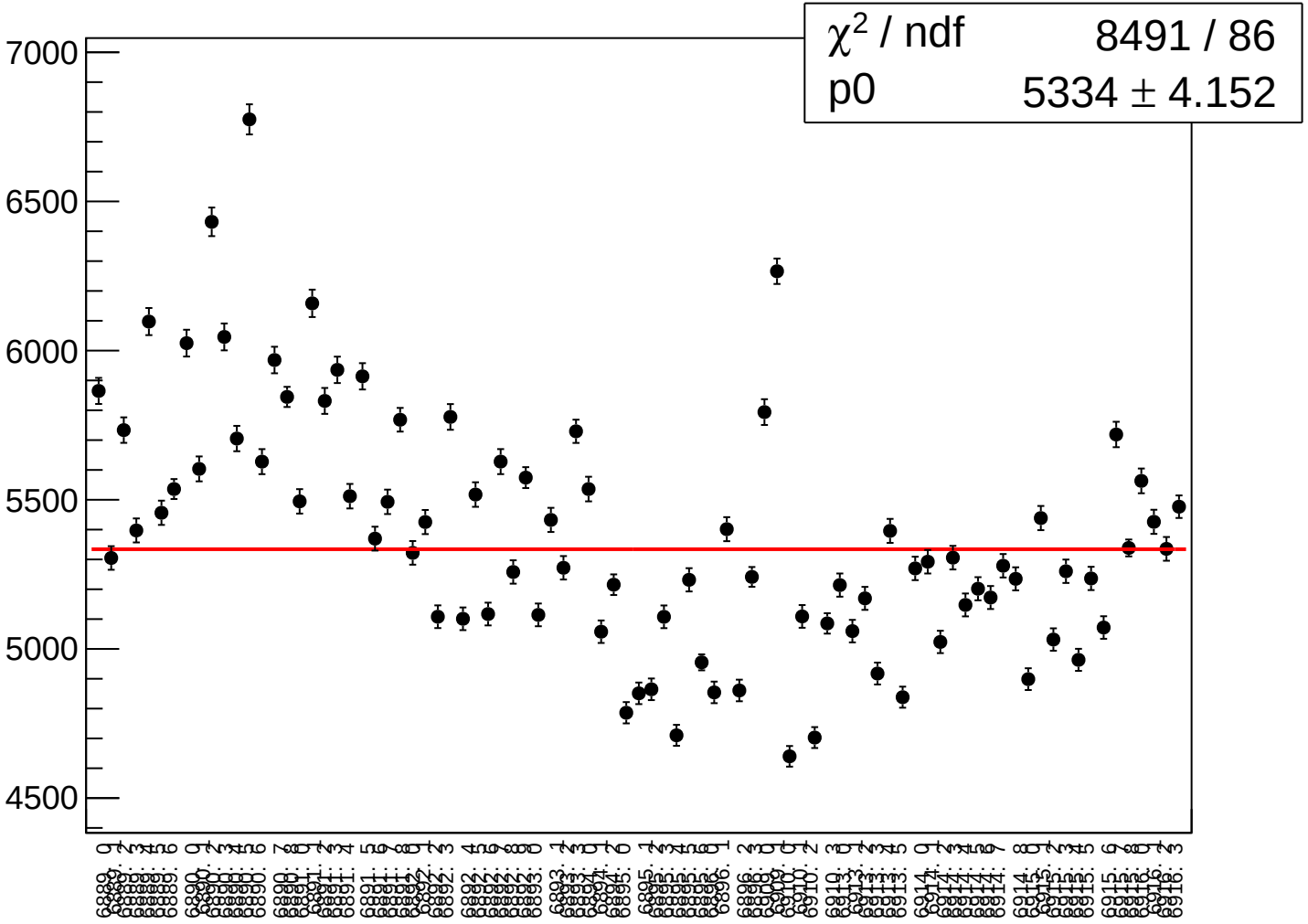

pull1D
Entries 87
Mean −0.008129
Std Dev 1.073

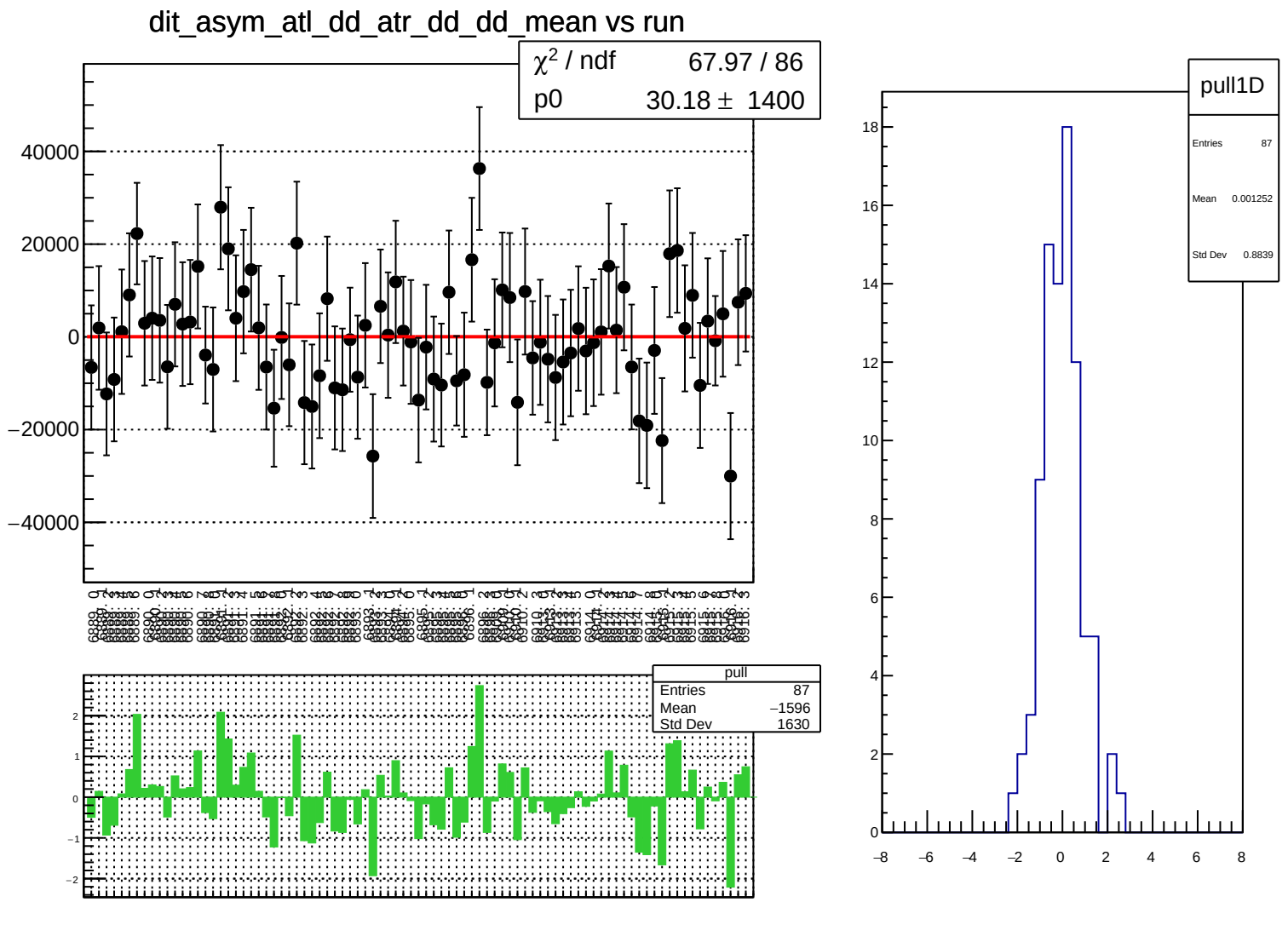

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 9743 / 86
p0 5202 ± 4.051
6500
6000
5500
5000
4500


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 102.3 / 86
p0 −7582 ± 5872
200
100
0
−100
−200
pull
Entries 87
Mean −209
Std Dev 225.3
2
1
0
−1
−2

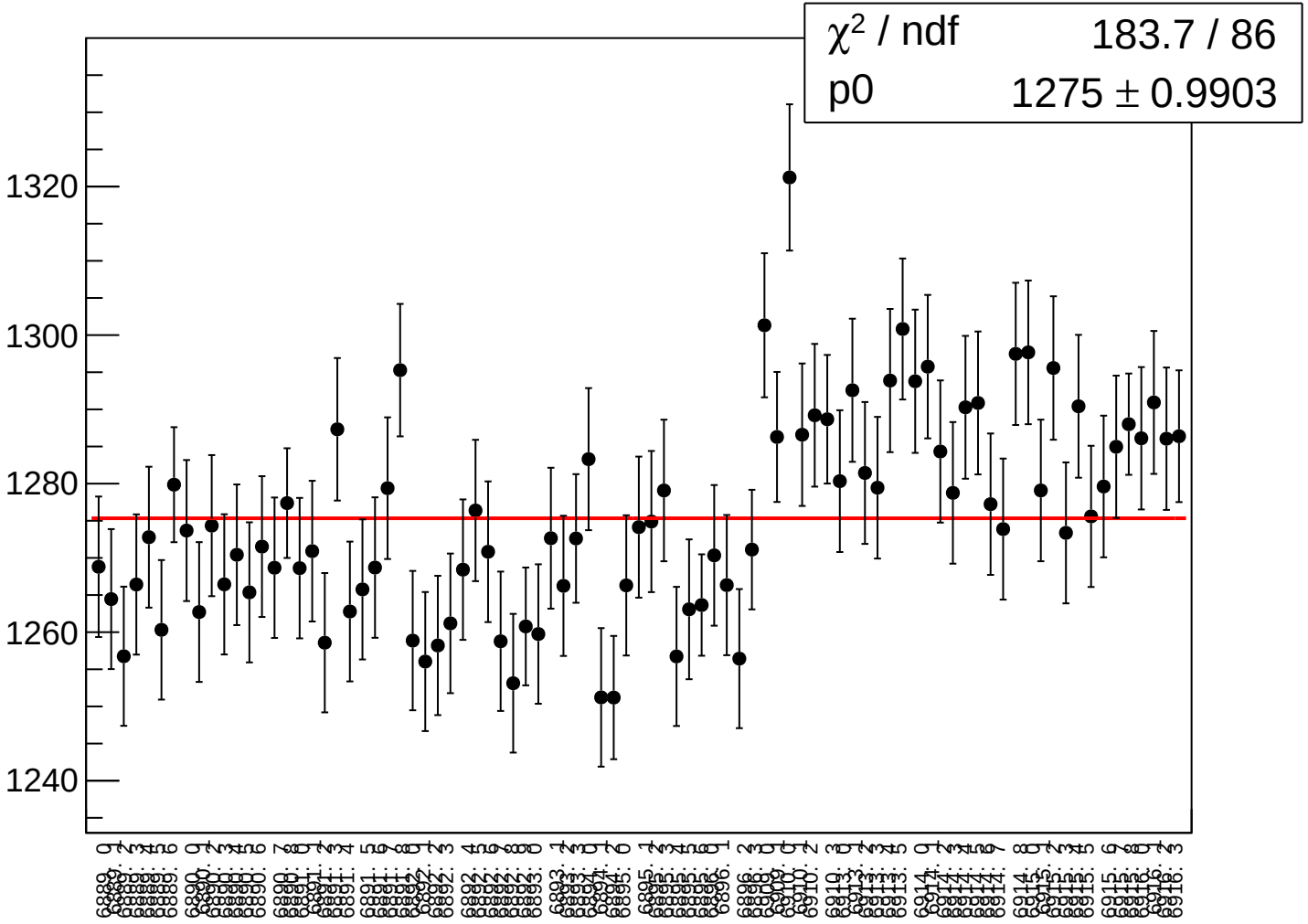

pull1D
Entries 87
Mean 0.008035
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

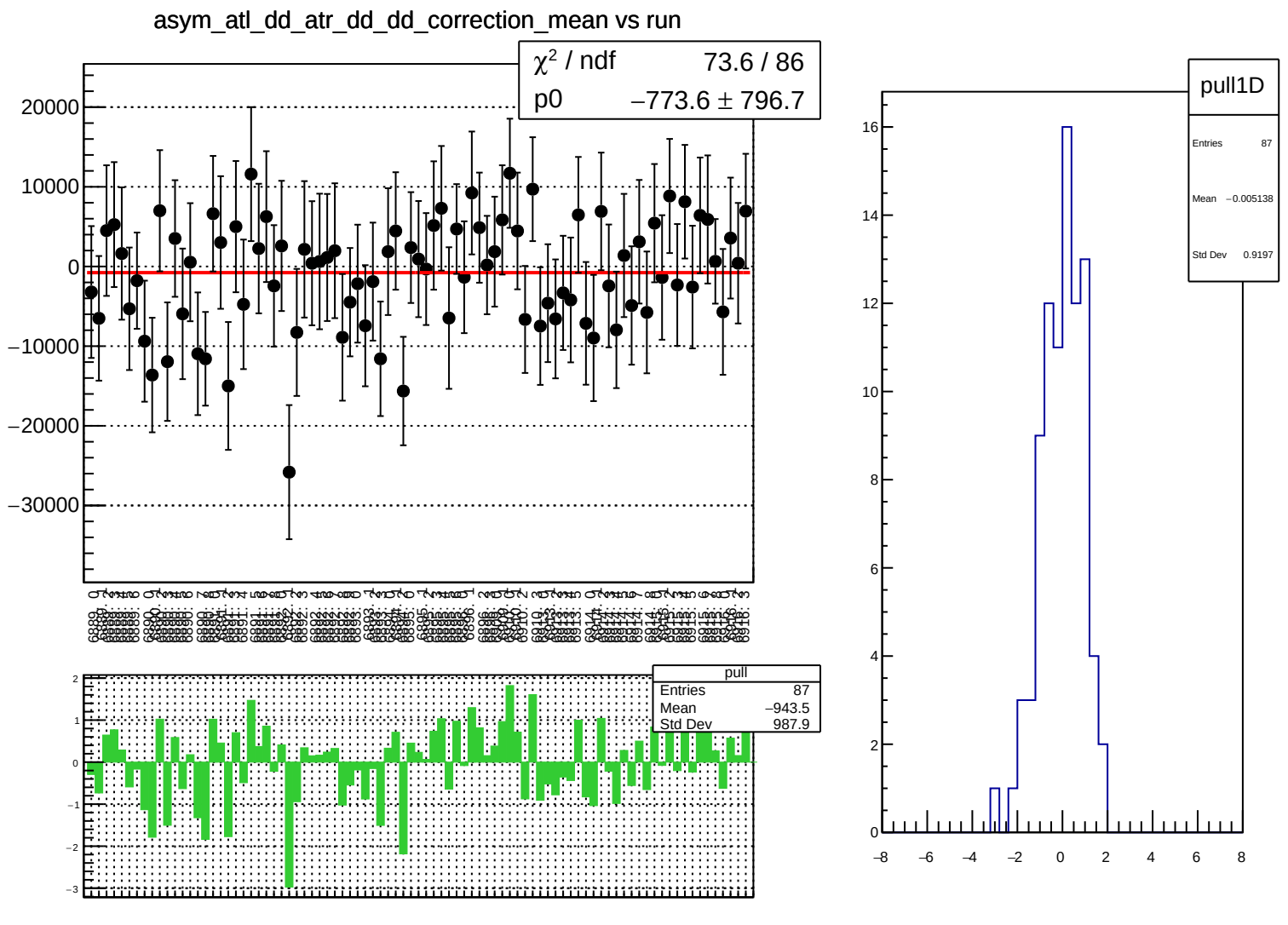
asym_atl_dd_atr_dd_avg_rms vs run

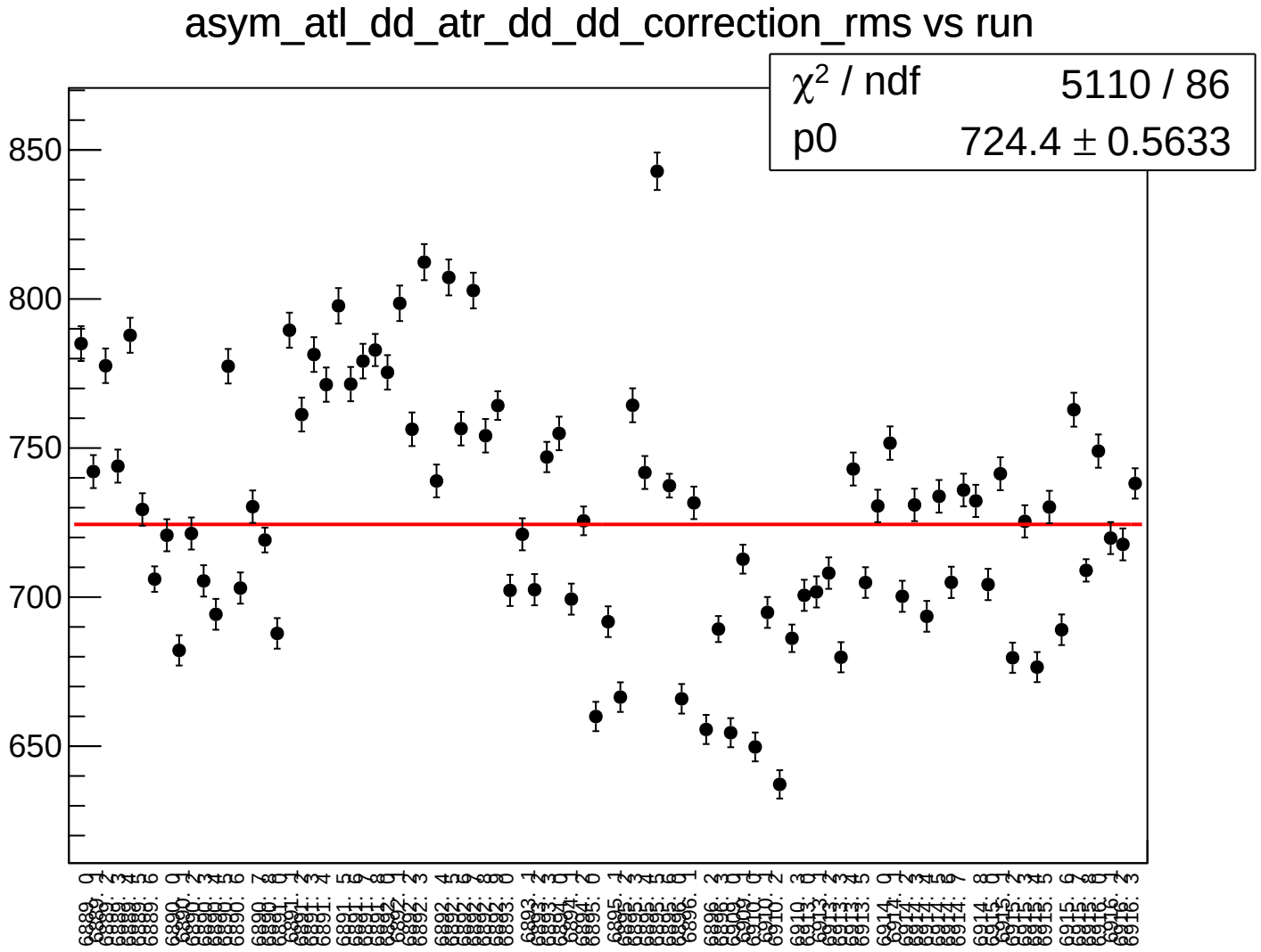


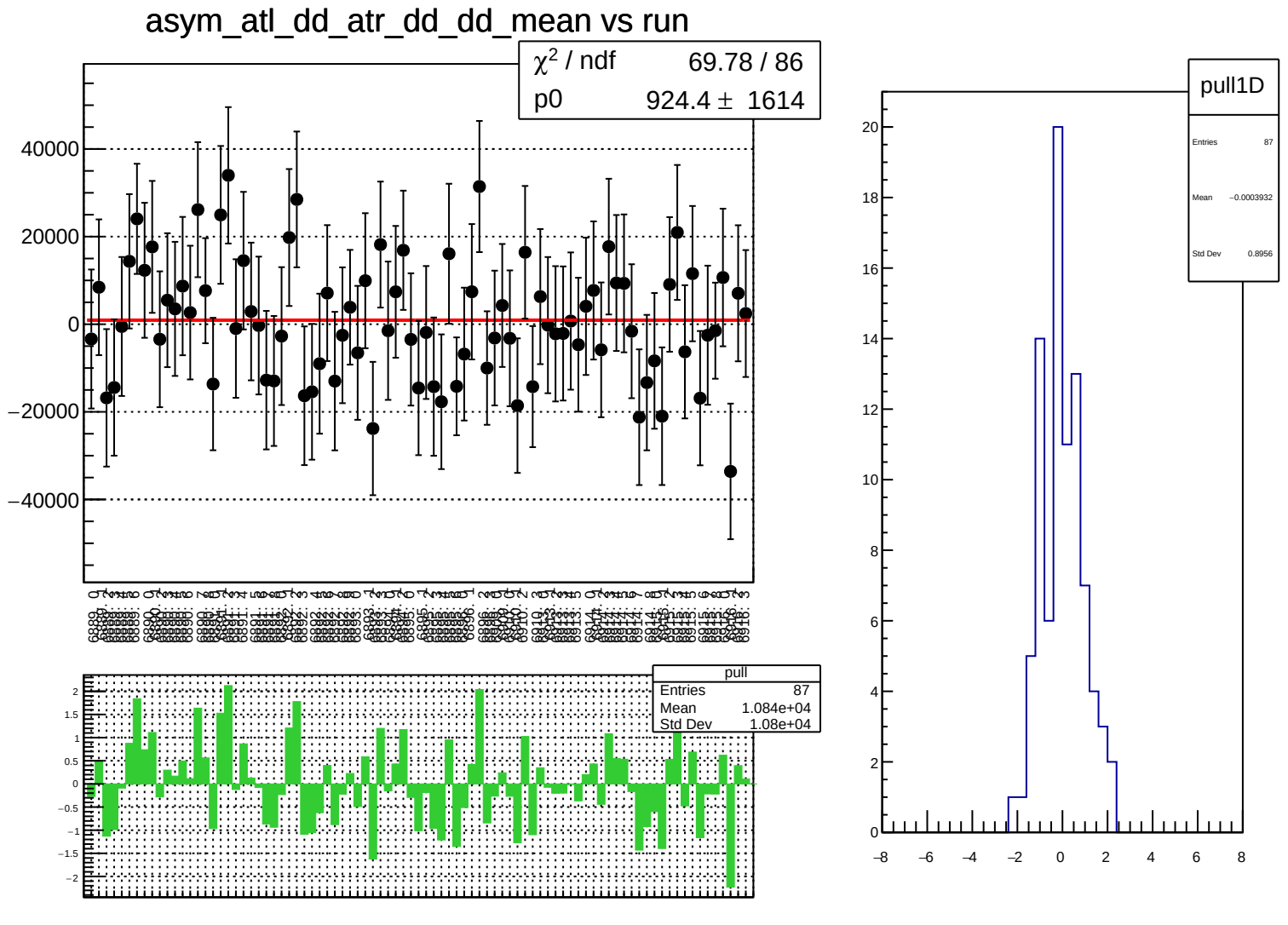

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 67.97 / 86
p0 30.18 ± 1400
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −1596
Std Dev 1630
pull1D
Entries 87
Mean 0.001252
Std Dev 0.8839

dit_asym_atl_dd_atr_dd_dd_rms vs run

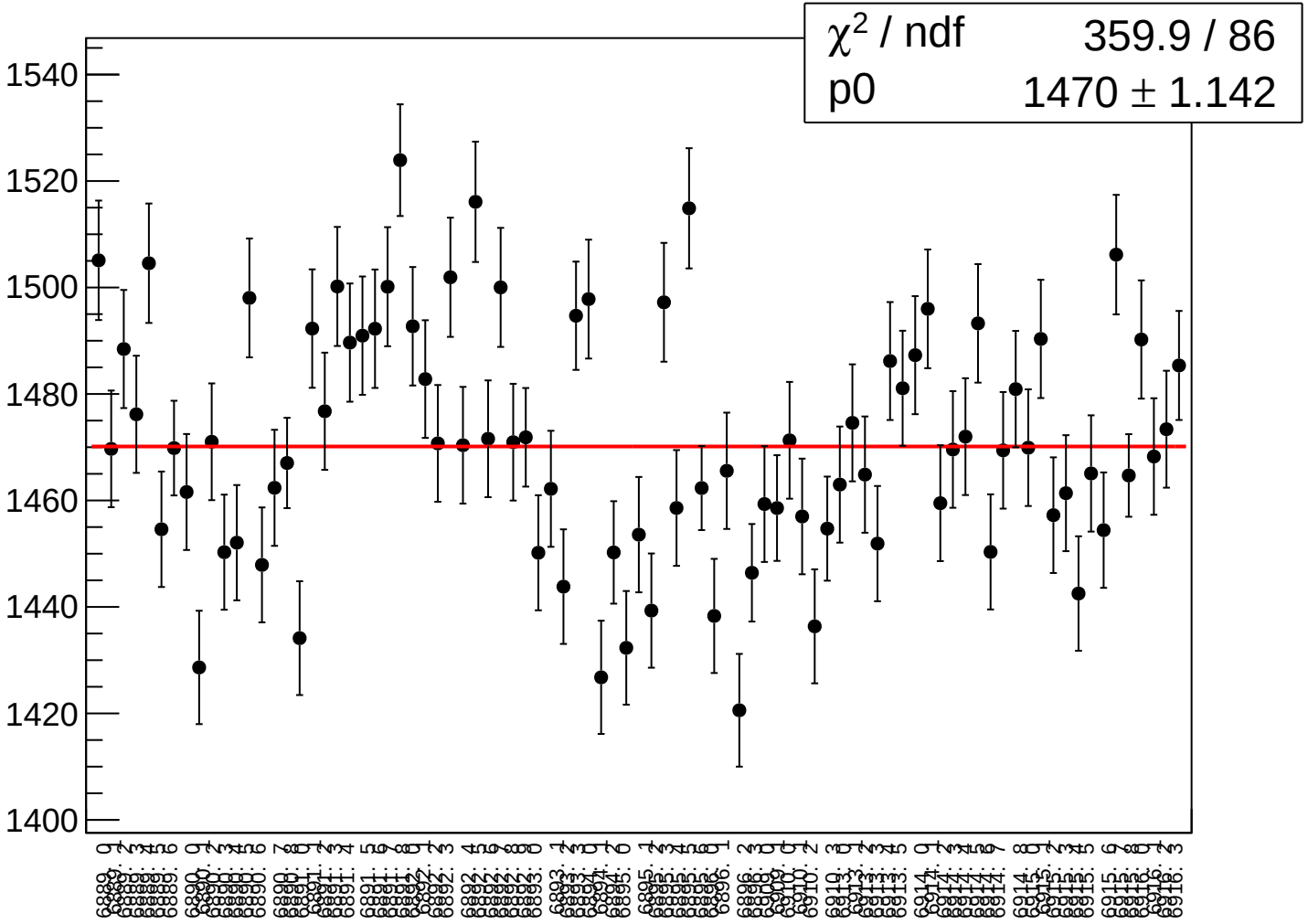


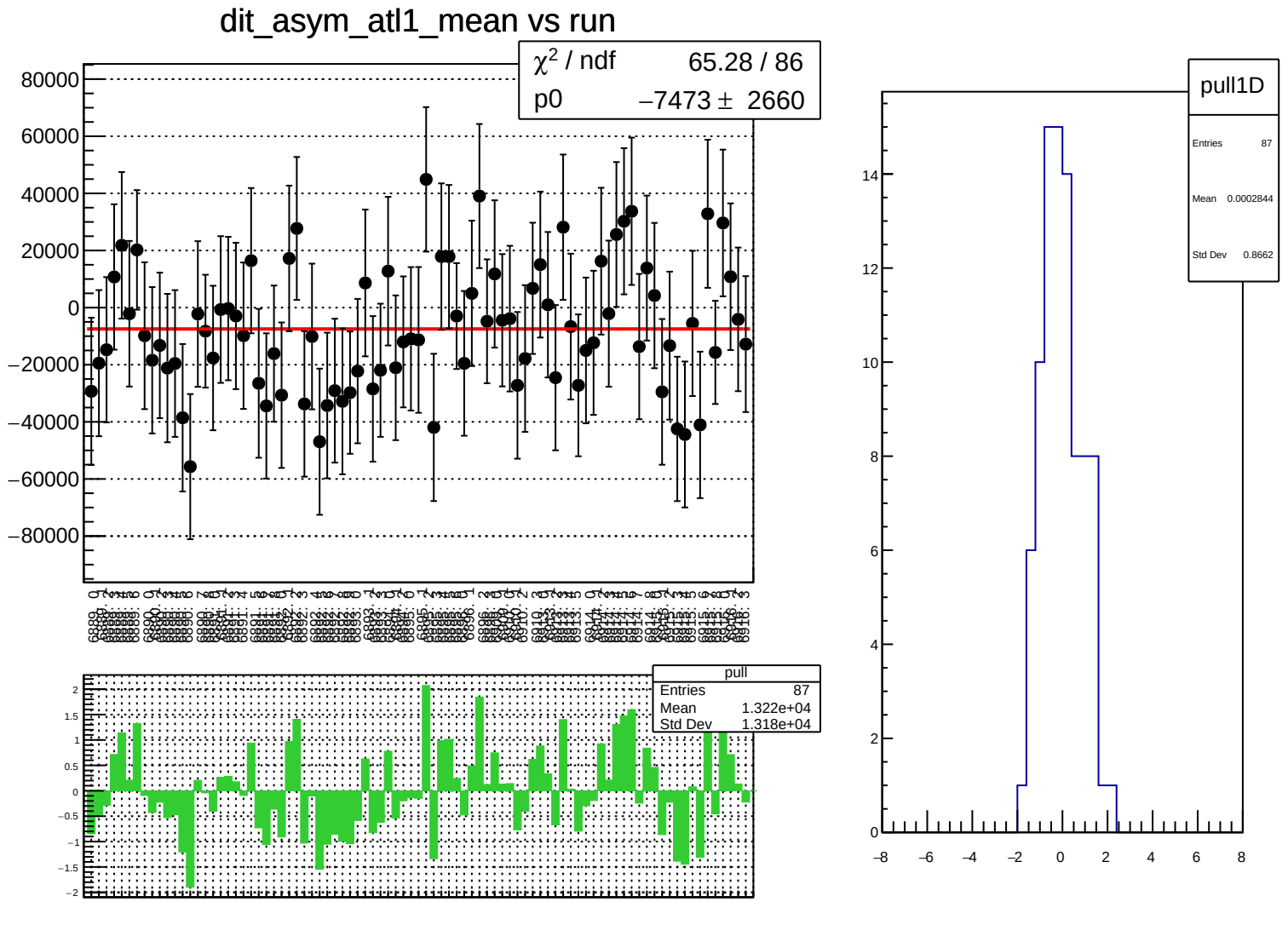

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 73.6 / 86
p0 −773.6 ± 796.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −943.5
Std Dev 987.9
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.005138
Std Dev 0.9197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

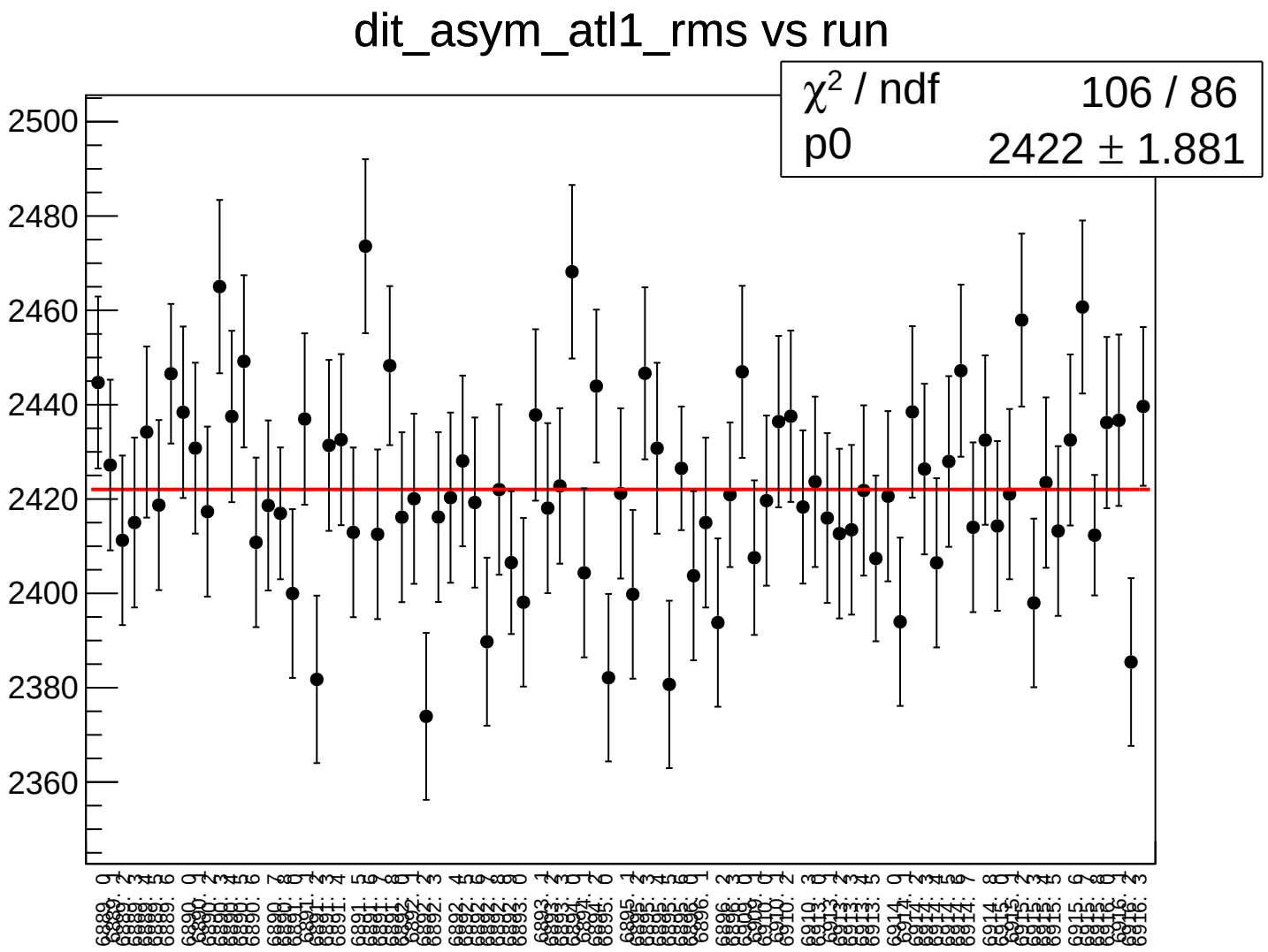

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 5110 / 86
p0 724.4 ± 0.5633
850
800
750
700
650

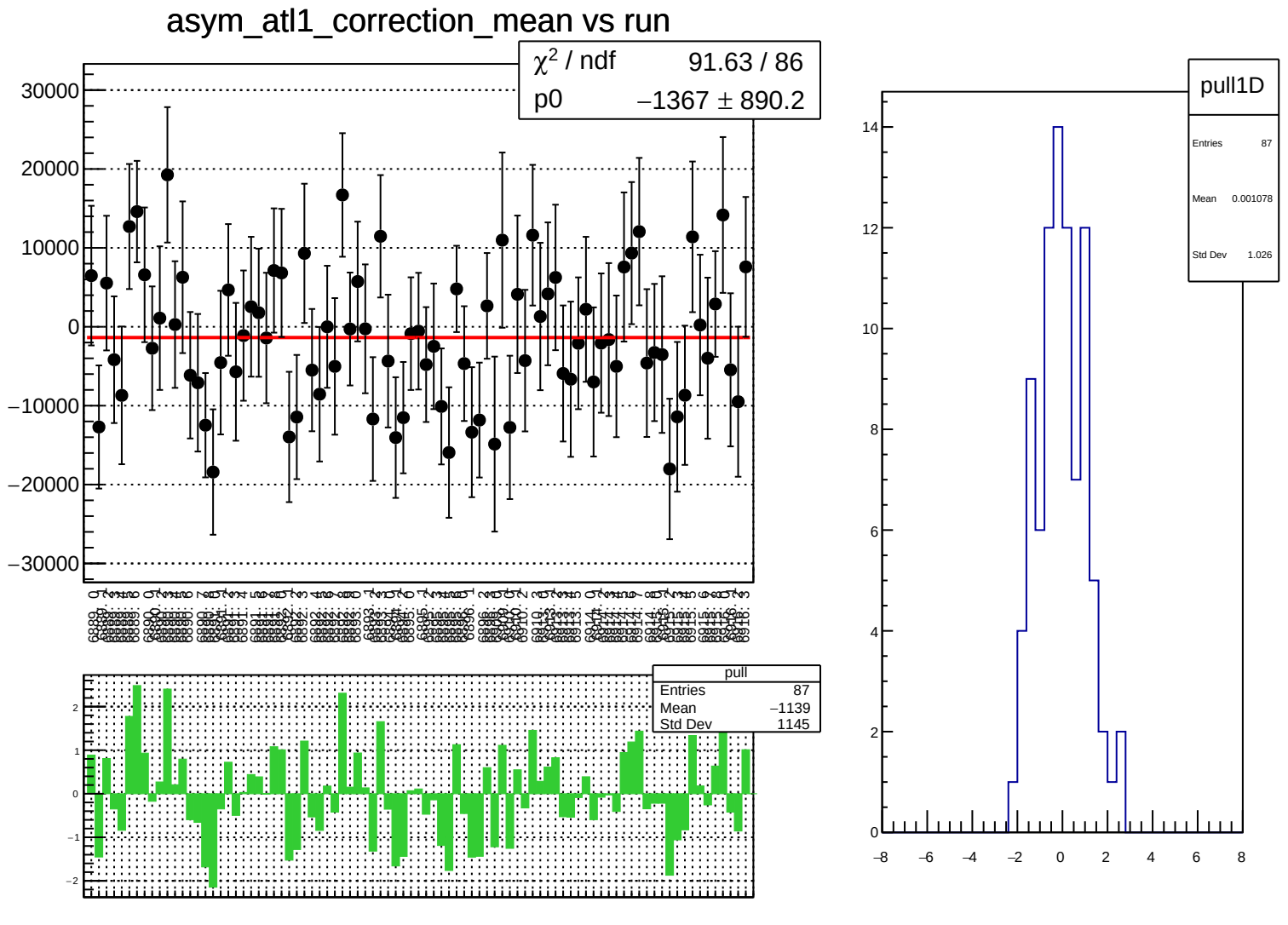

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69.78 / 86
p0 924.4 ± 1614
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 1.084e+04
Std Dev 1.08e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.0003932
Std Dev 0.8956
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_dd_rms vs run

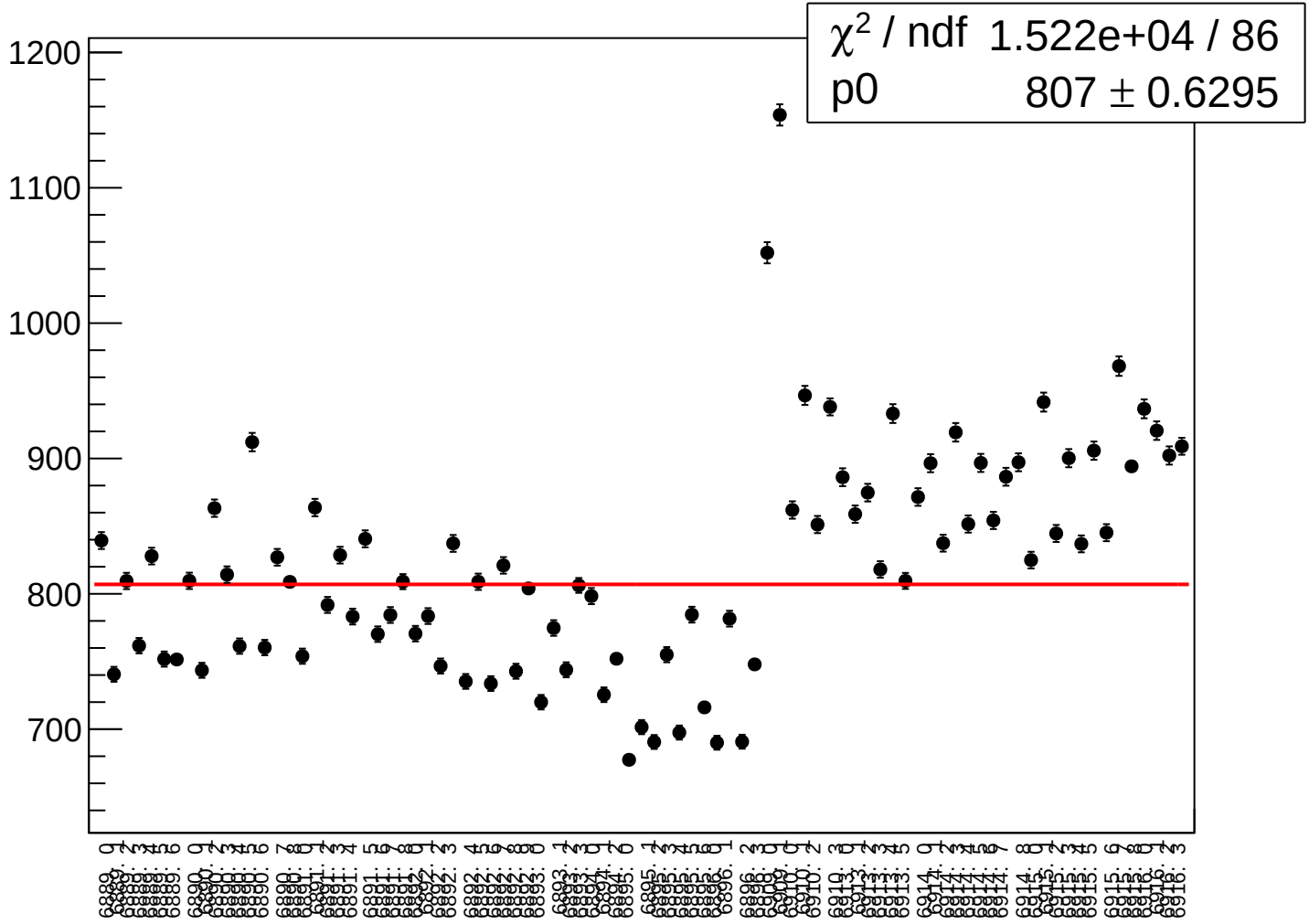


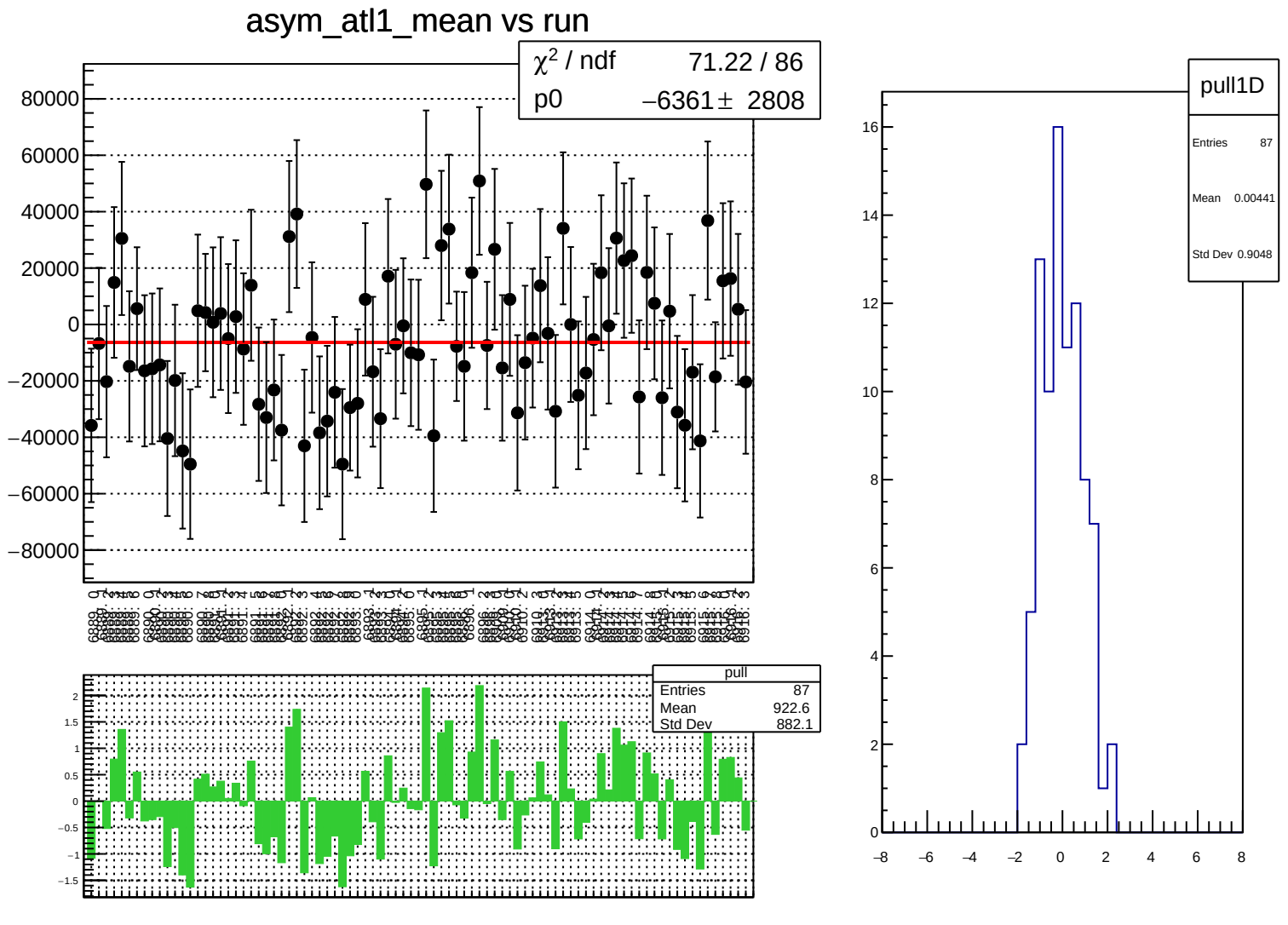

dit_asym_atl1_mean vs run
χ² / ndf 65.28 / 86
p0 −7473 ± 2660
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean 1.322e+04
Std Dev 1.318e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean 0.0002844
Std Dev 0.8662
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1_rms vs run
χ² / ndf 106 / 86
p0 2422 ± 1.881
2500
2480
2460
2440
2420
2400
2380
2360

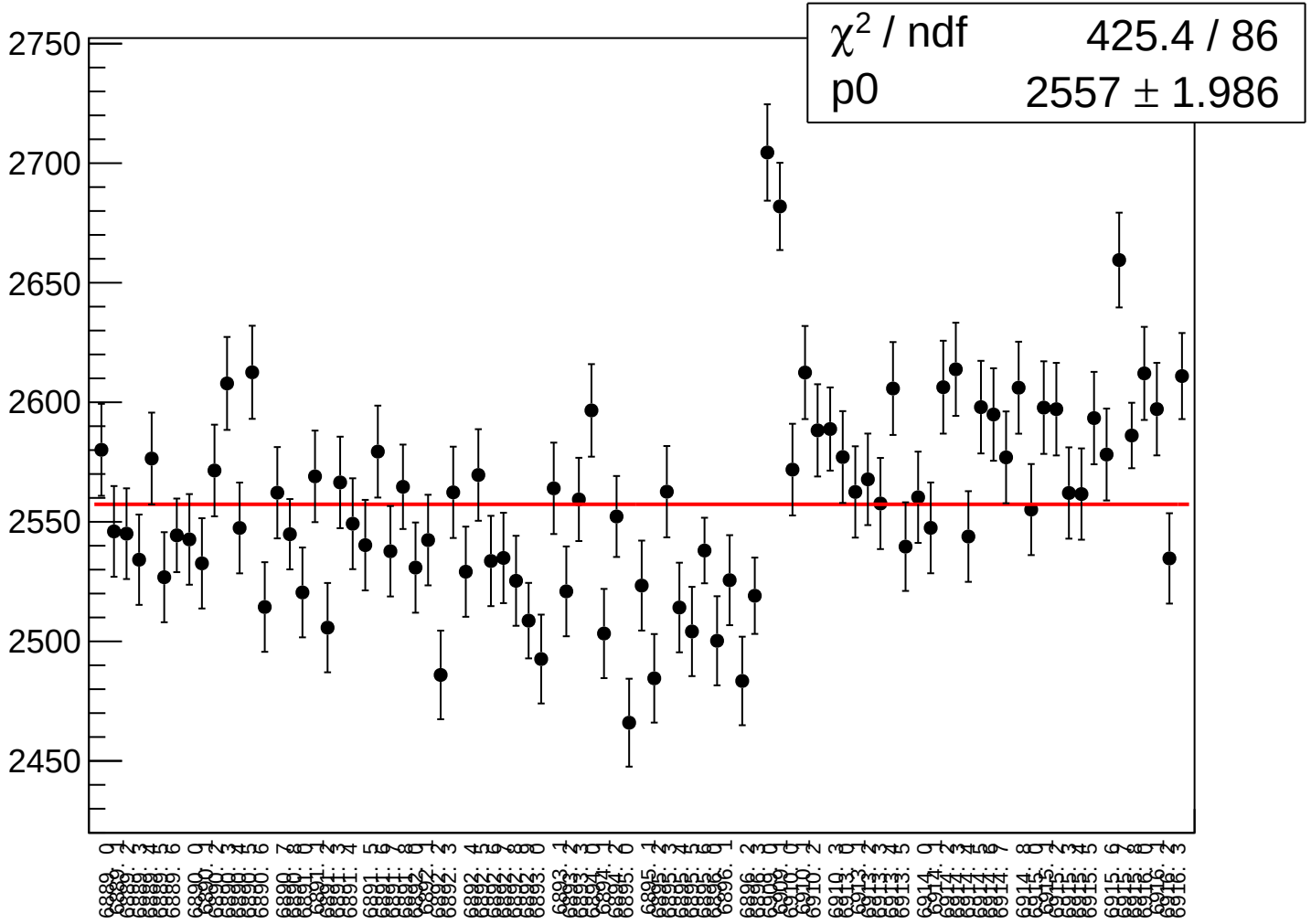

asym_atl1_correction_mean vs run
χ^2 / ndf 91.63 / 86
p0 −1367 ± 890.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −1139
Std Dev 1145
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.001078
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

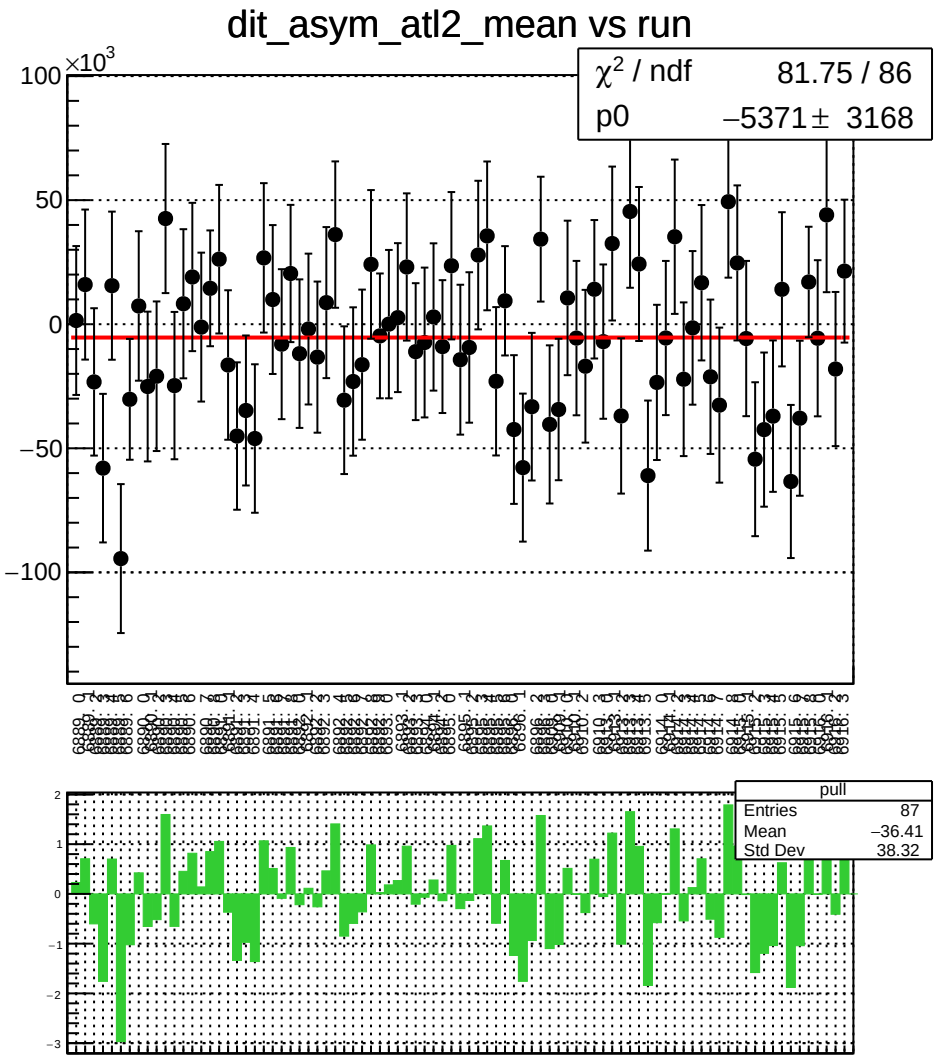
asym_atl1_correction_rms vs run

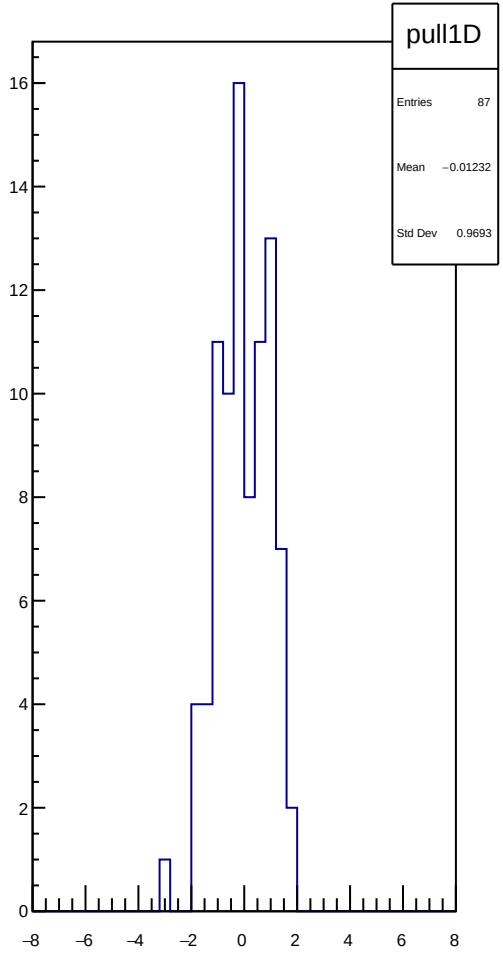



asym_atl1_mean vs run
χ^2 / ndf 71.22 / 86
p0 −6361 ± 2808
pull
Entries 87
Mean 922.6
Std Dev 882.1
pull1D
Entries 87
Mean 0.00441
Std Dev 0.9048

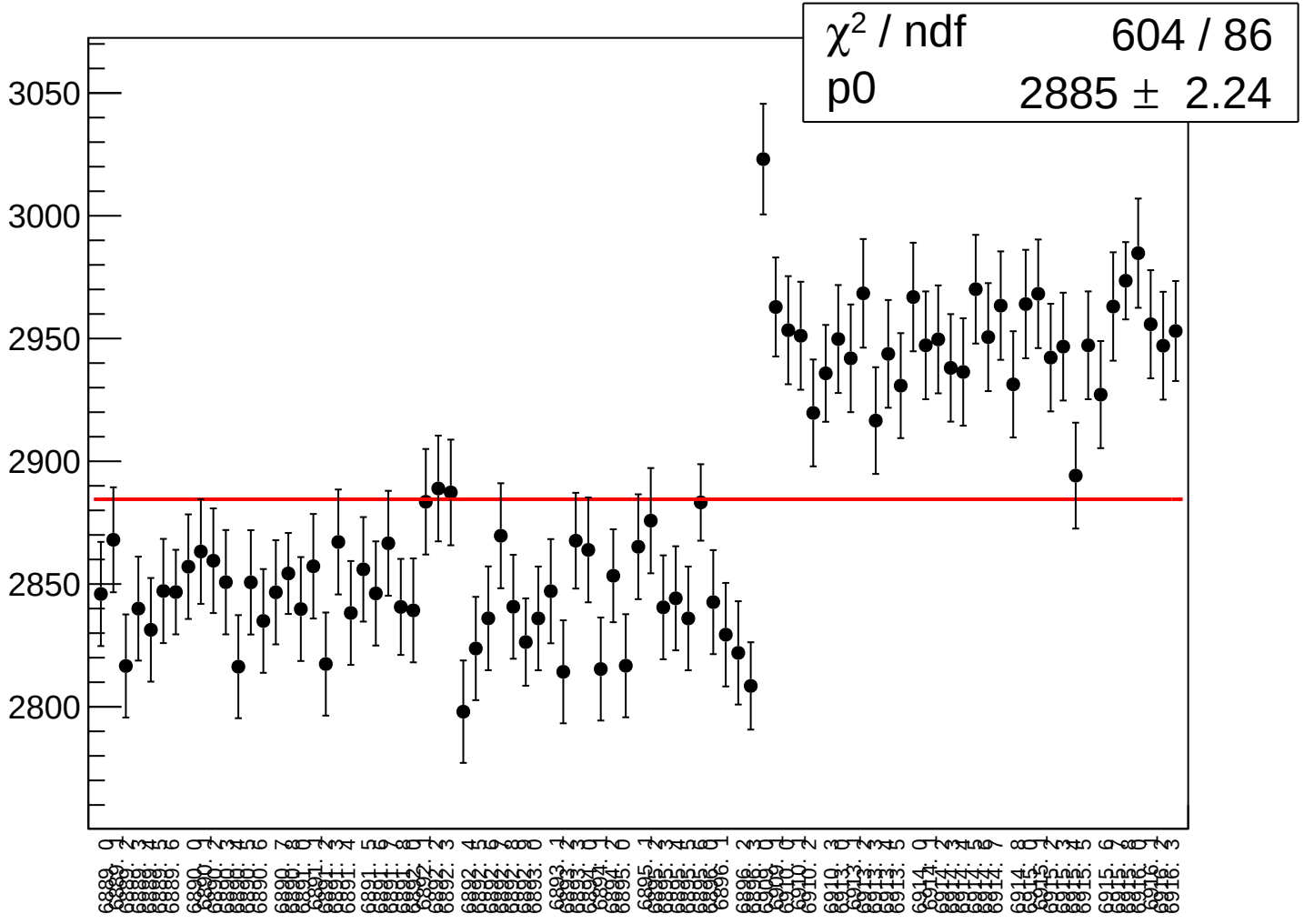
asym_atl1_rms vs run

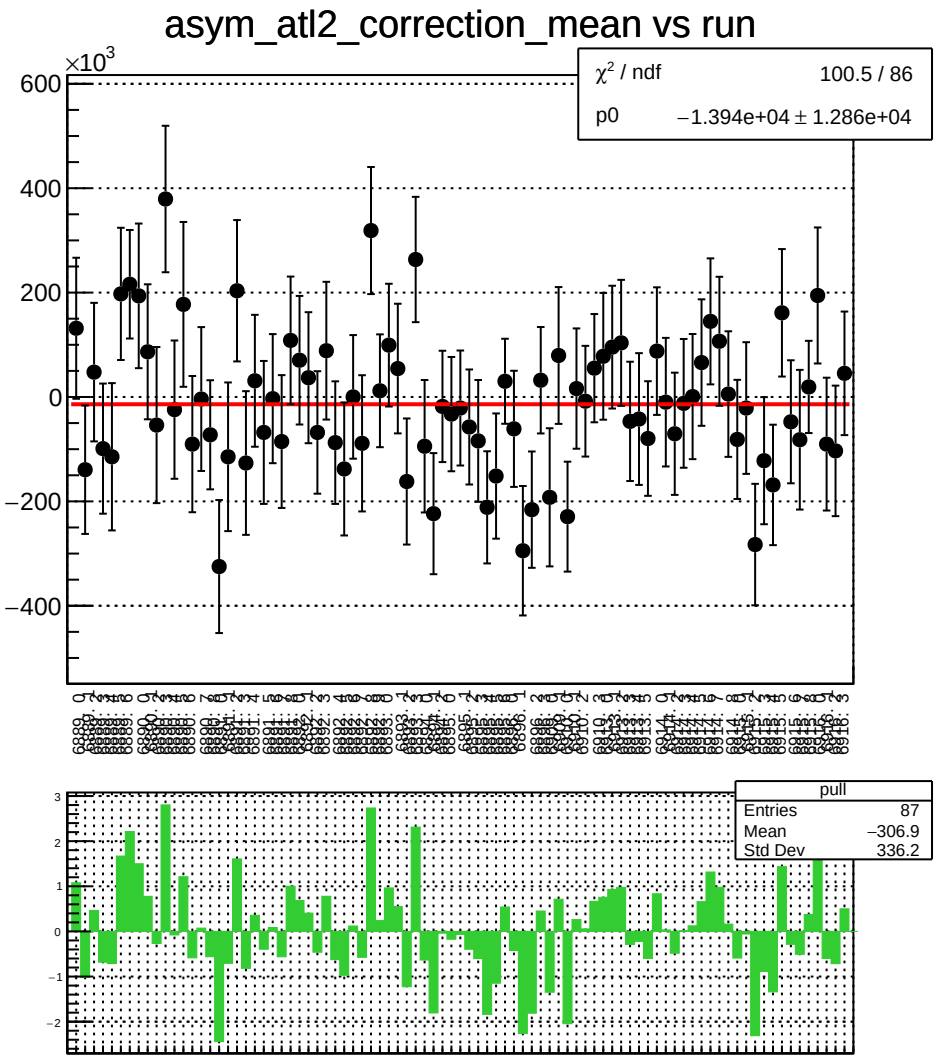


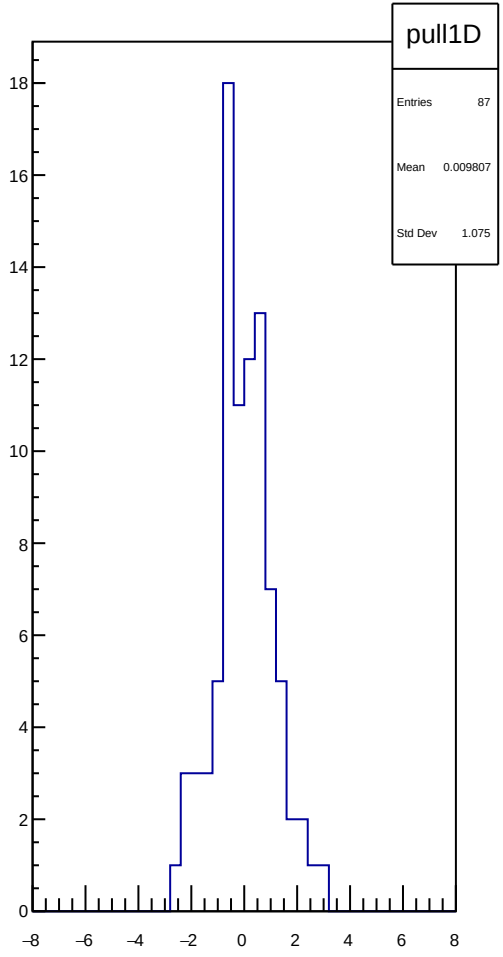

dit_asym_atl2_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 81.75 / 86
p0 −5371 ± 3168
pull
Entries 87
Mean −36.41
Std Dev 38.32
2
1
0
−1
−2
−3


pull1D
Entries 87
Mean −0.01232
Std Dev 0.9693
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

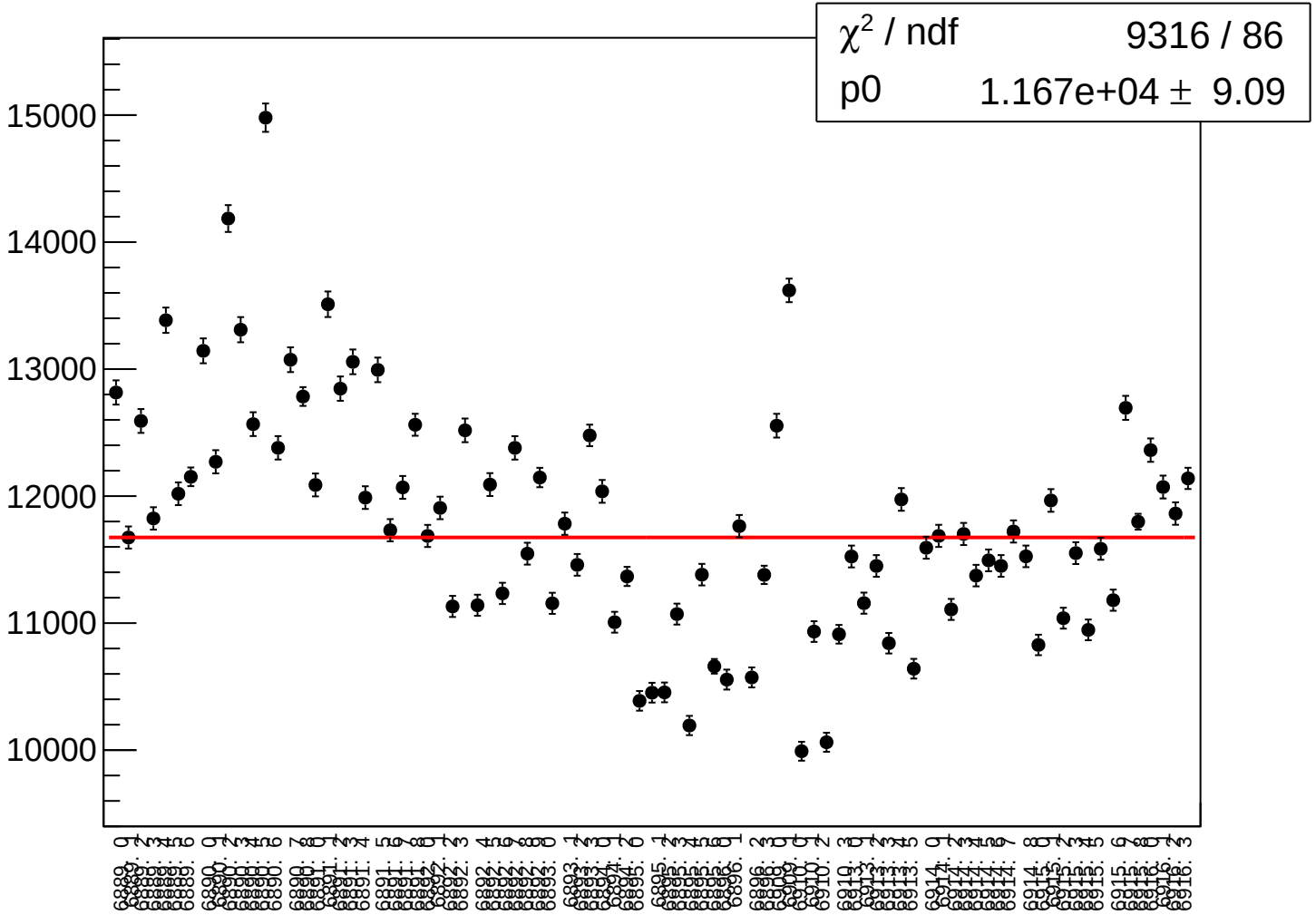
dit_asym_atl2_rms vs run

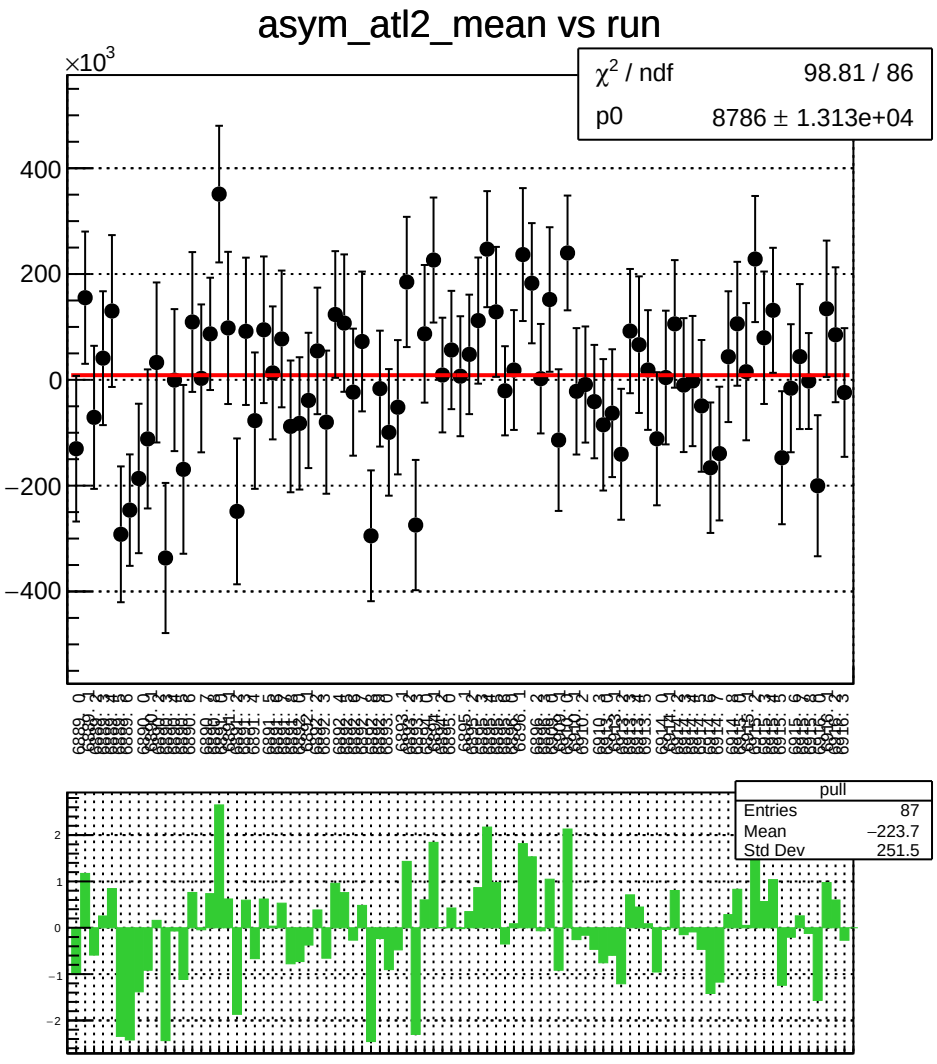


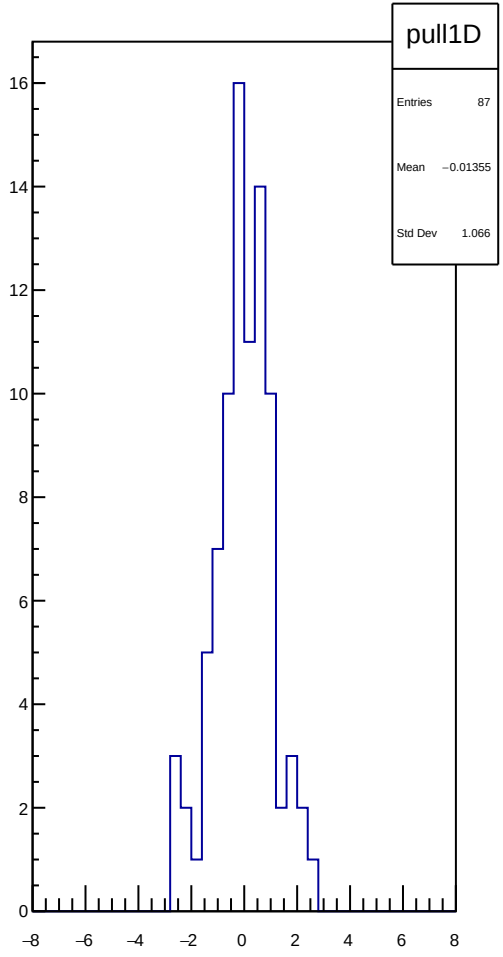

asym_atl2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 100.5 / 86
p0 −1.394e+04 ± 1.286e+04
pull
Entries 87
Mean −306.9
Std Dev 336.2
3
2
1
0
−1
−2


pull1D
Entries 87
Mean 0.009807
Std Dev 1.075
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

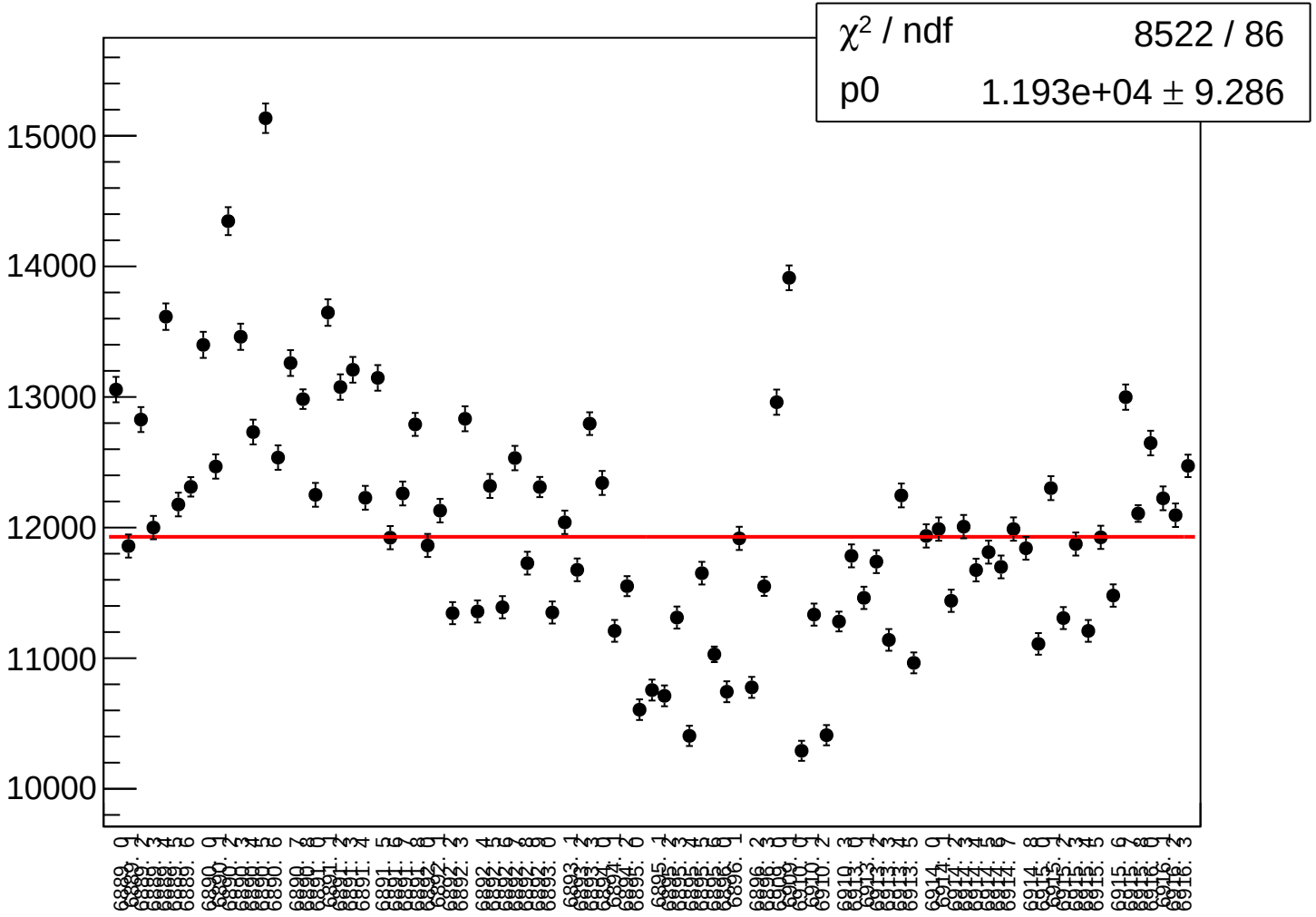
asym_atl2_correction_rms vs run

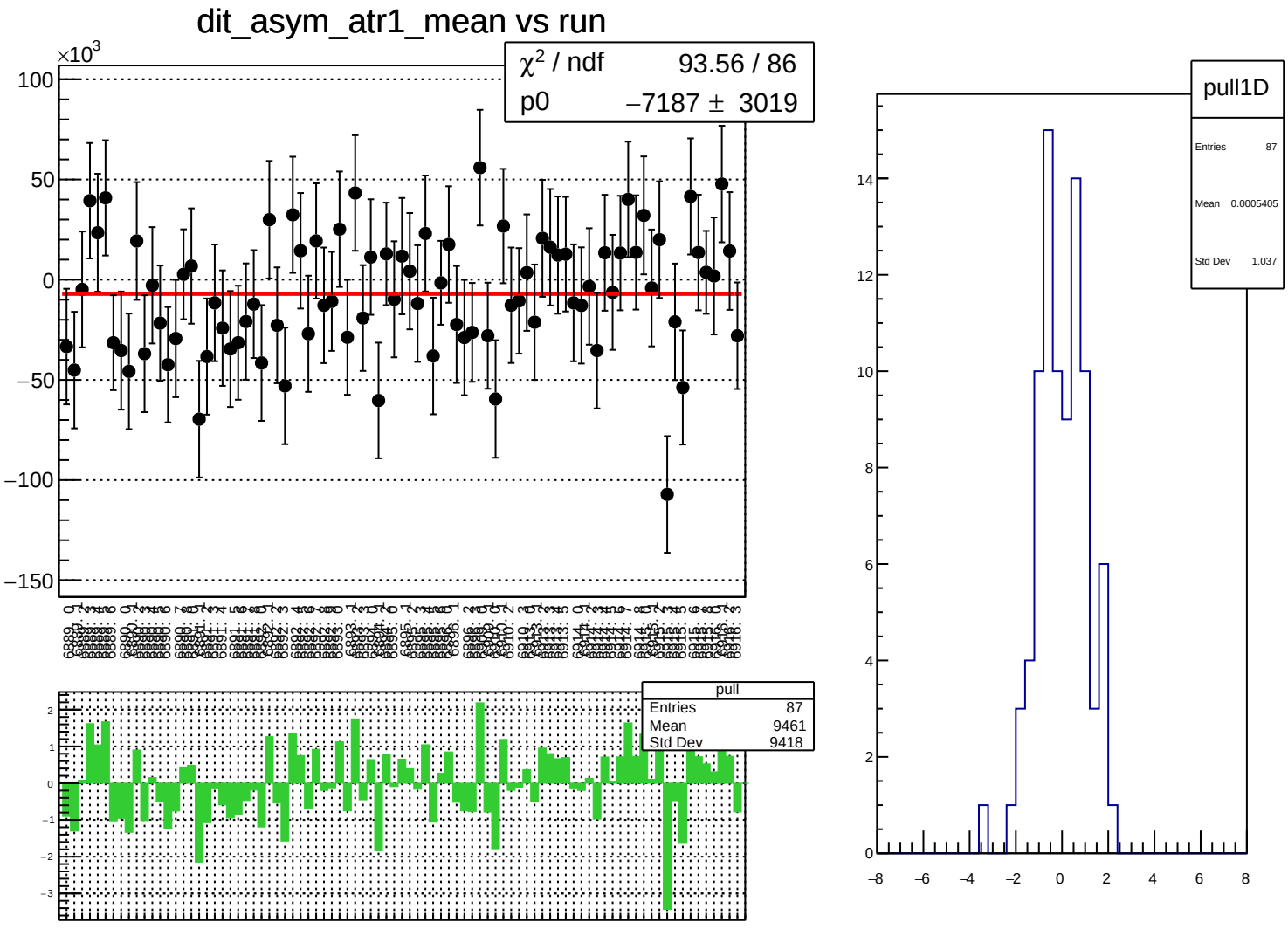


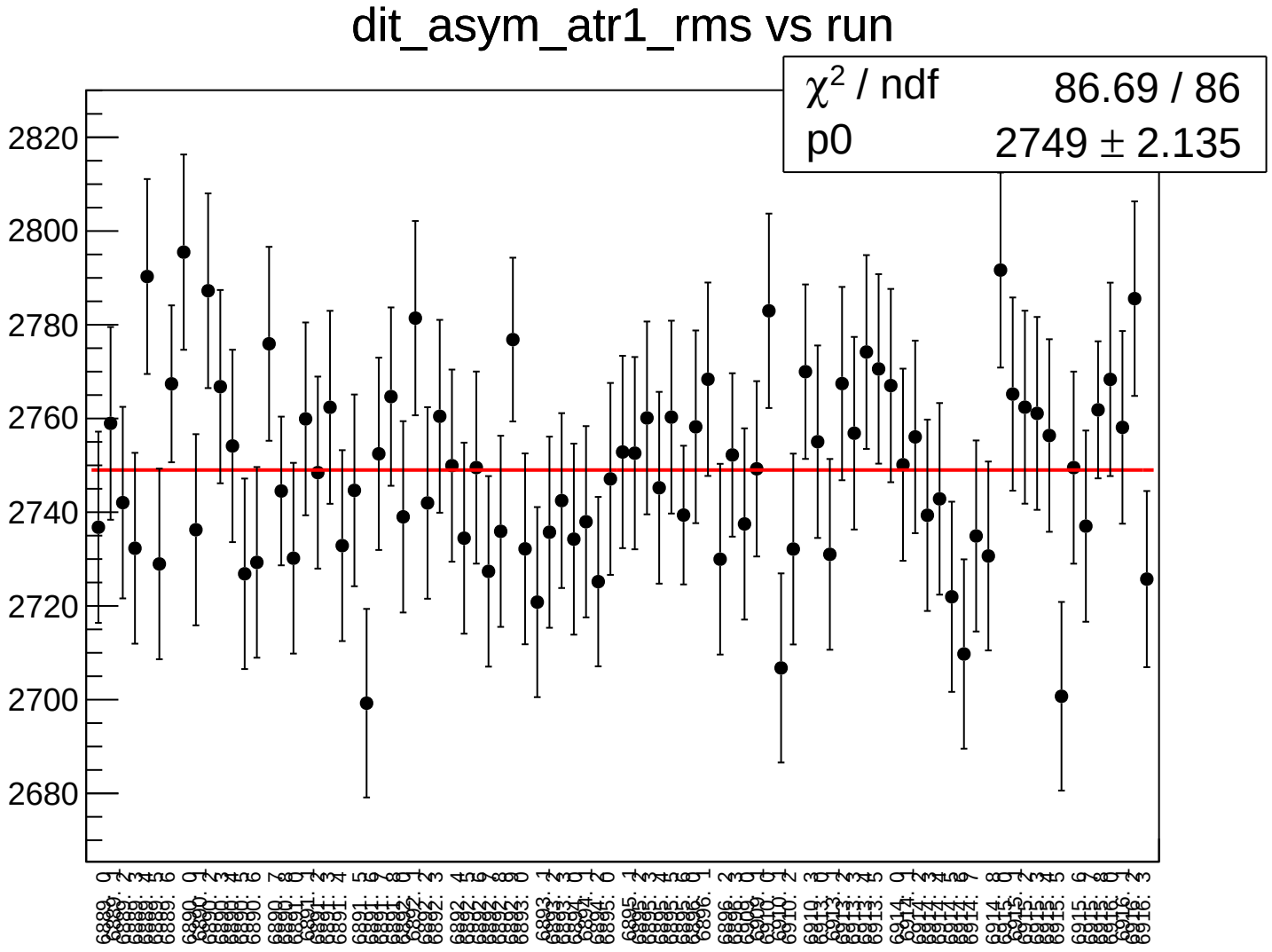

asym_atl2_mean vs run
×10^3
χ² / ndf 98.81 / 86
p0 8786 ± 1.313e+04
400
200
0
−200
−400
pull
Entries 87
Mean −223.7
Std Dev 251.5
2
1
0
−1
−2

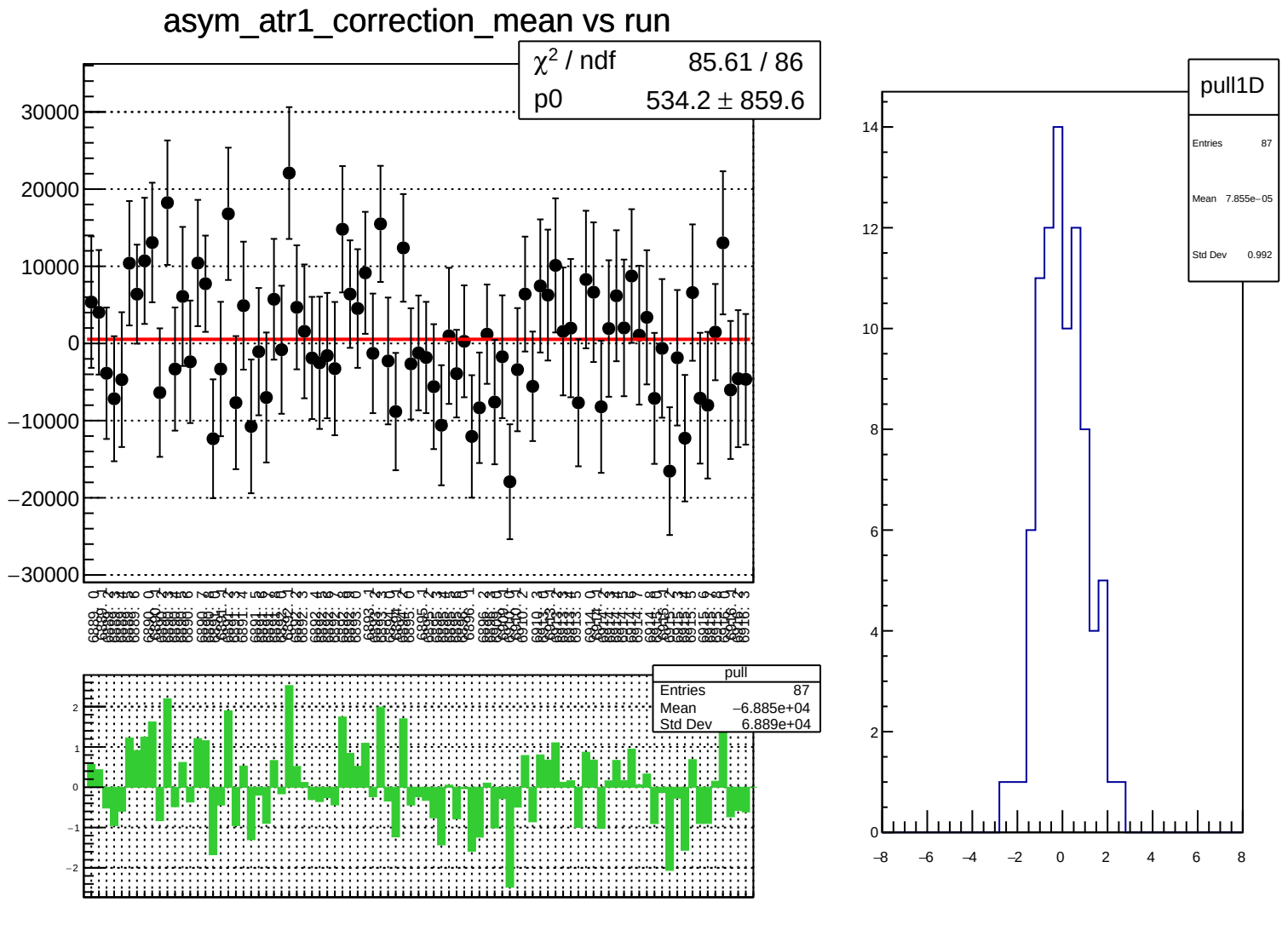

pull1D
Entries 87
Mean −0.01355
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl2_rms vs run

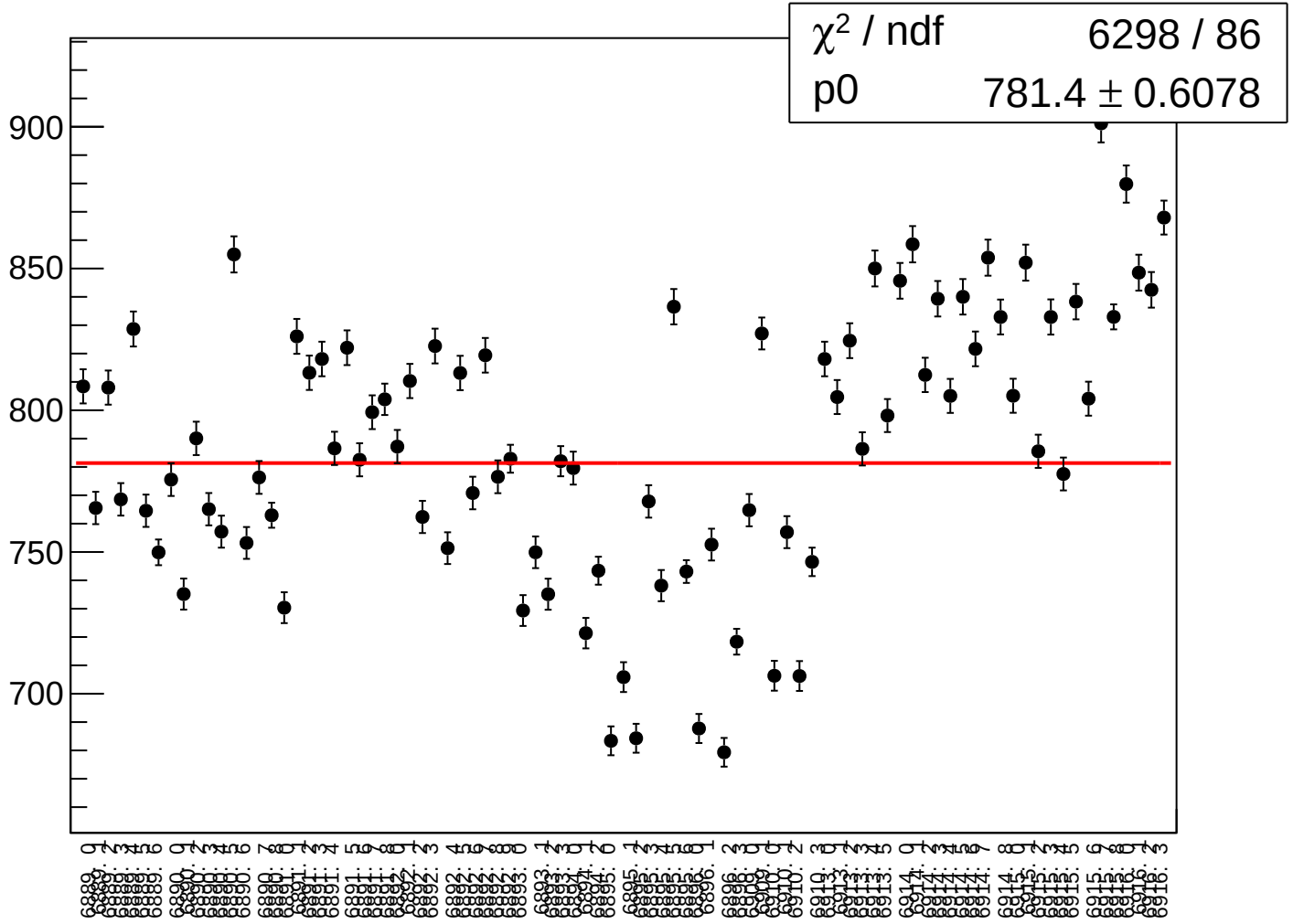


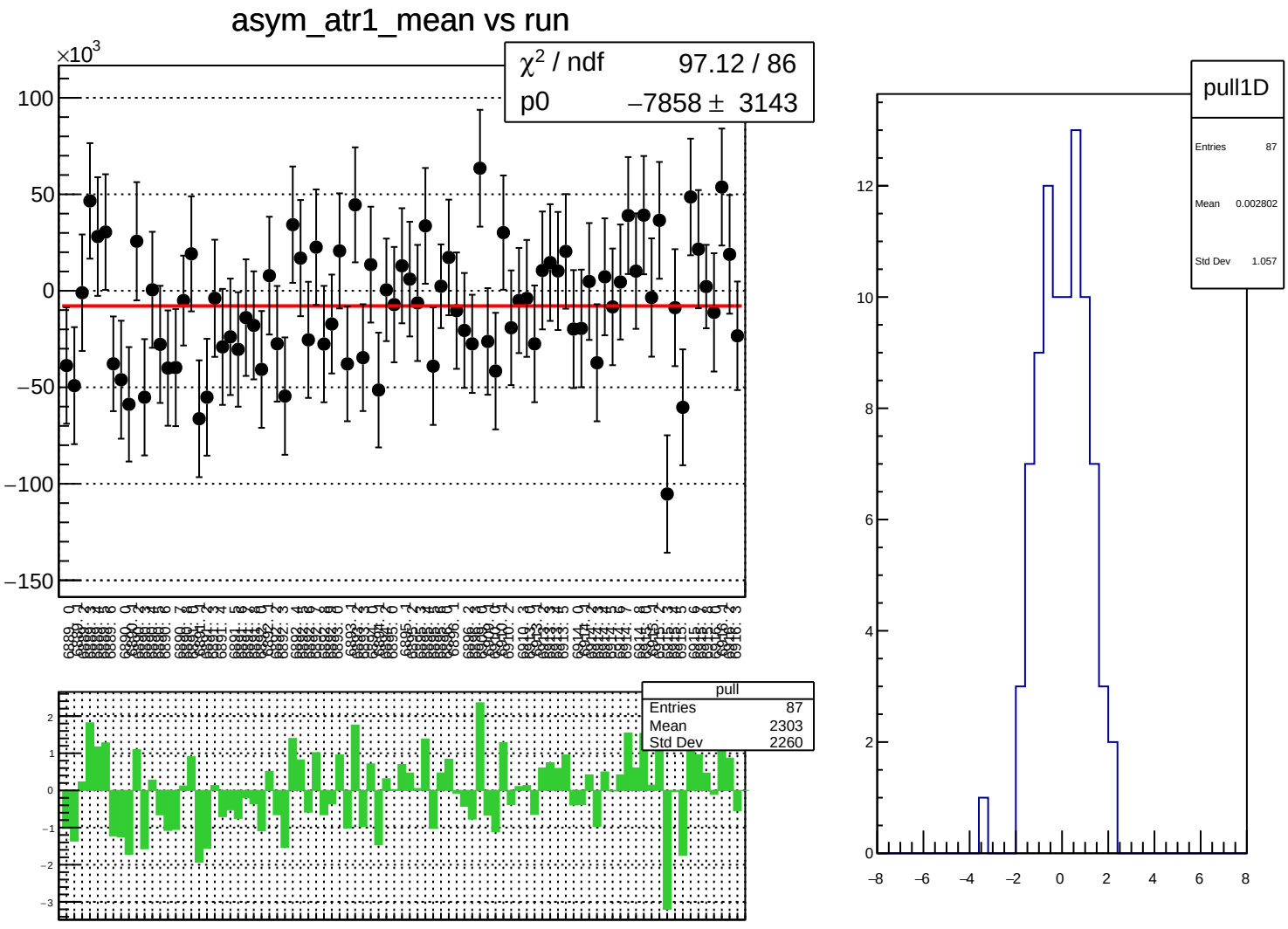

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 93.56 / 86
p0 −7187 ± 3019
pull
Entries 87
Mean 9461
Std Dev 9418
pull1D
Entries 87
Mean 0.0005405
Std Dev 1.037


dit_asym_atr1_rms vs run
χ^2 / ndf 86.69 / 86
p0 2749 ± 2.135
2820
2800
2780
2760
2740
2720
2700
2680

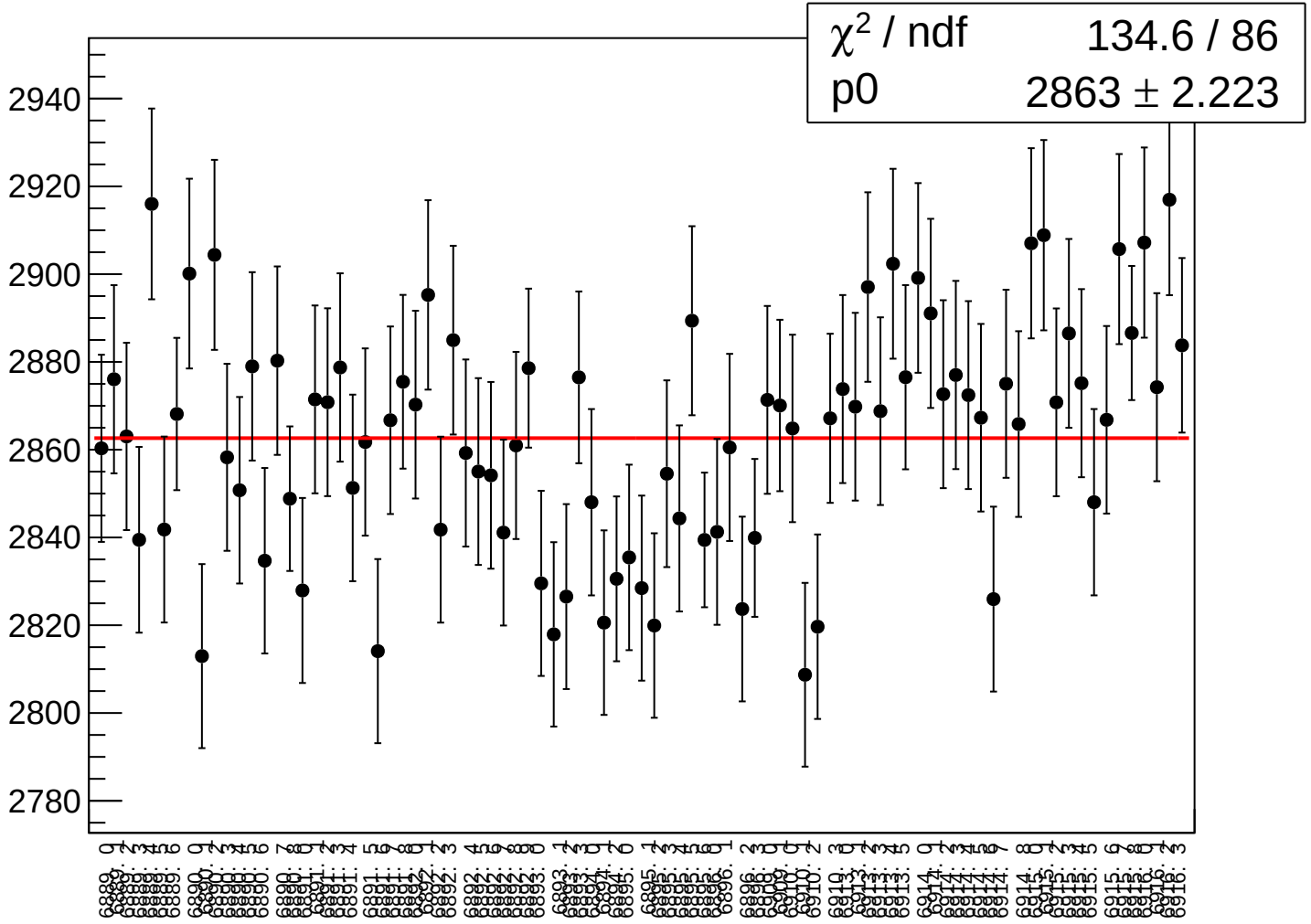

asym_atr1_correction_mean vs run
χ² / ndf 85.61 / 86
p0 534.2 ± 859.6
pull
Entries 87
Mean −6.885e+04
Std Dev 6.889e+04
pull1D
Entries 87
Mean 7.855e−05
Std Dev 0.992

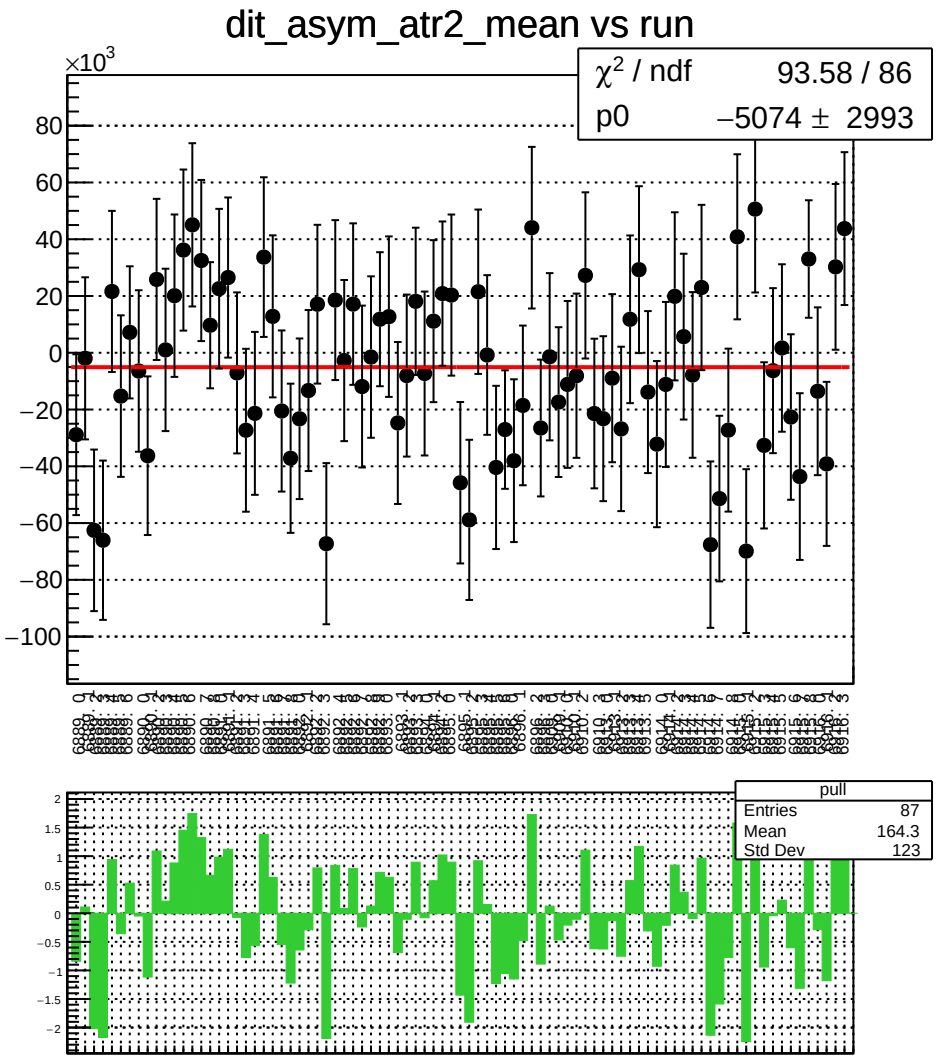
asym_atr1_correction_rms vs run

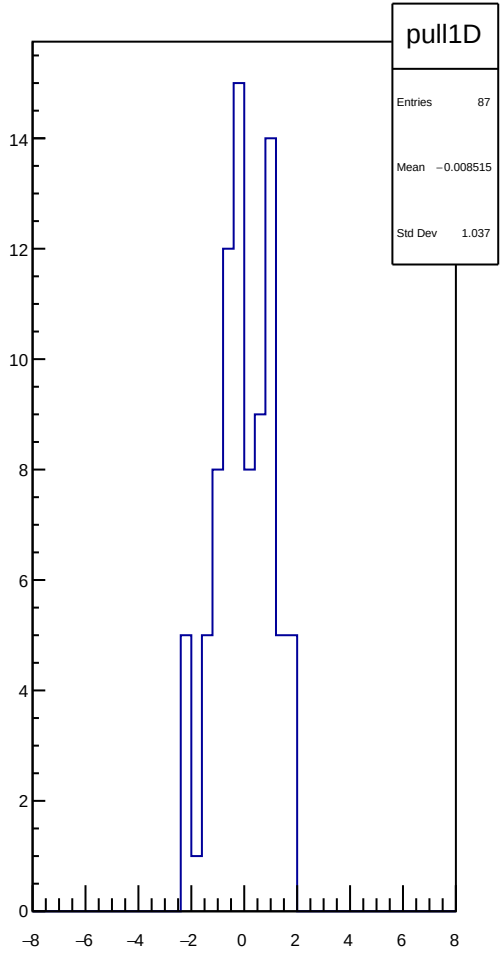


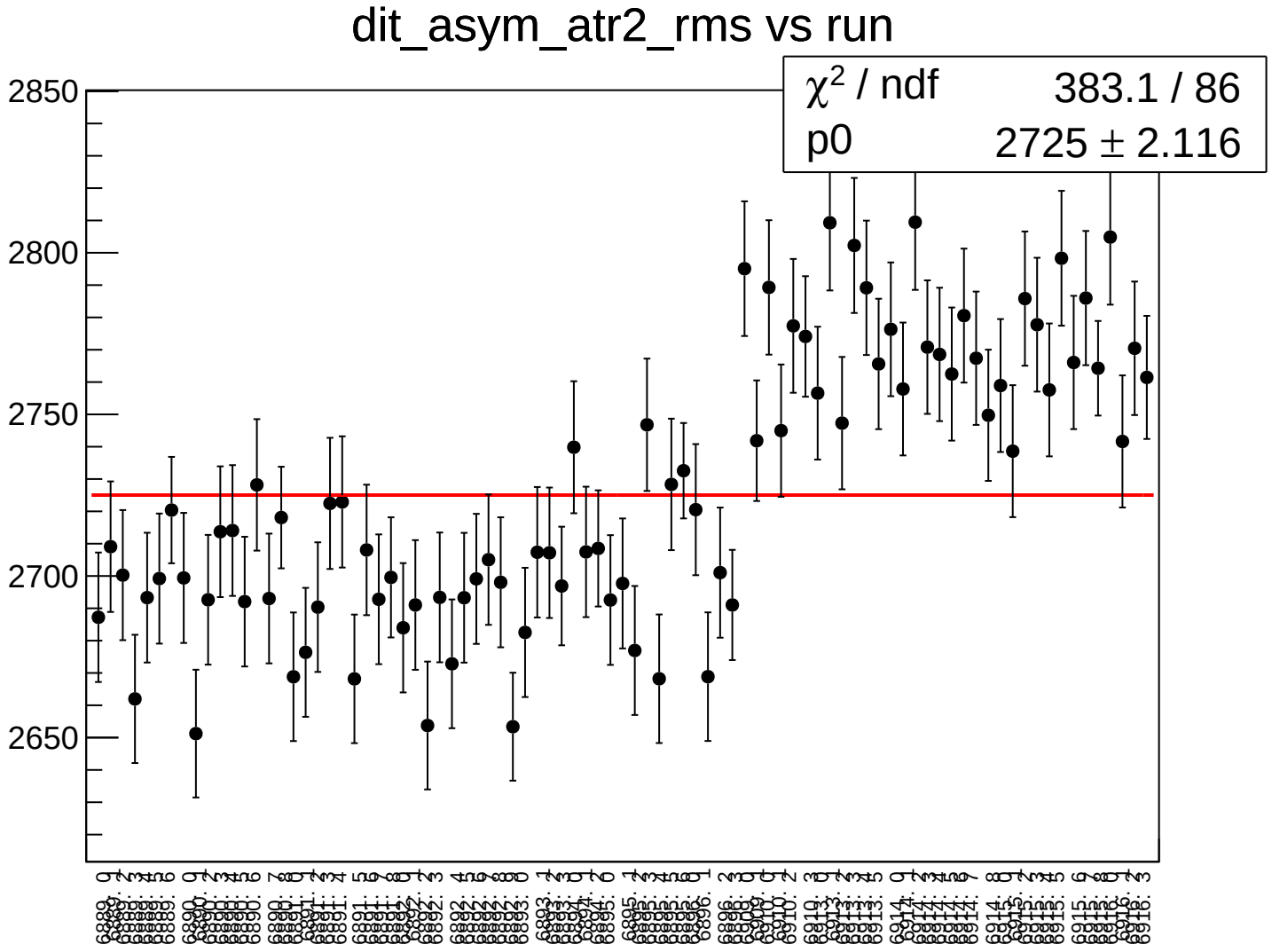

asym_atr1_mean vs run
×10^3
χ² / ndf 97.12 / 86
p0 −7858 ± 3143
pull
Entries 87
Mean 2303
Std Dev 2260
pull1D
Entries 87
Mean 0.002802
Std Dev 1.057

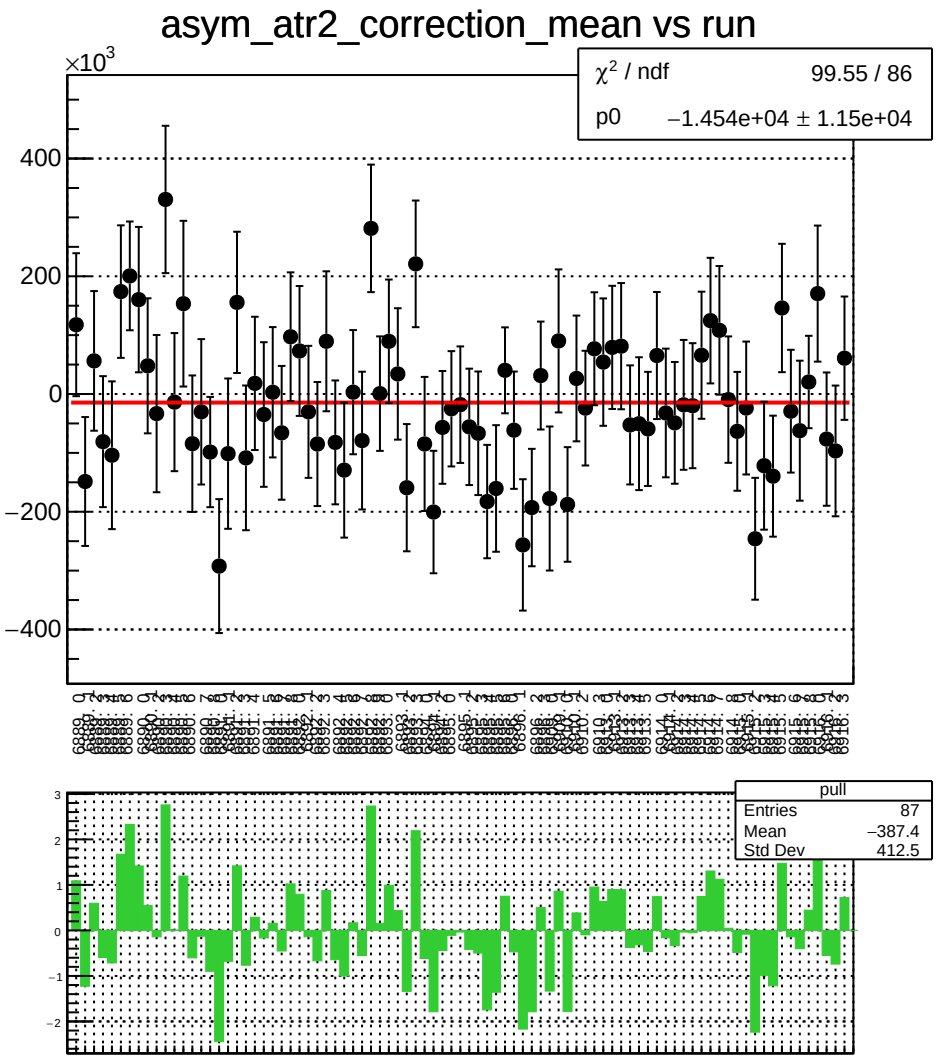
asym_atr1_rms vs run

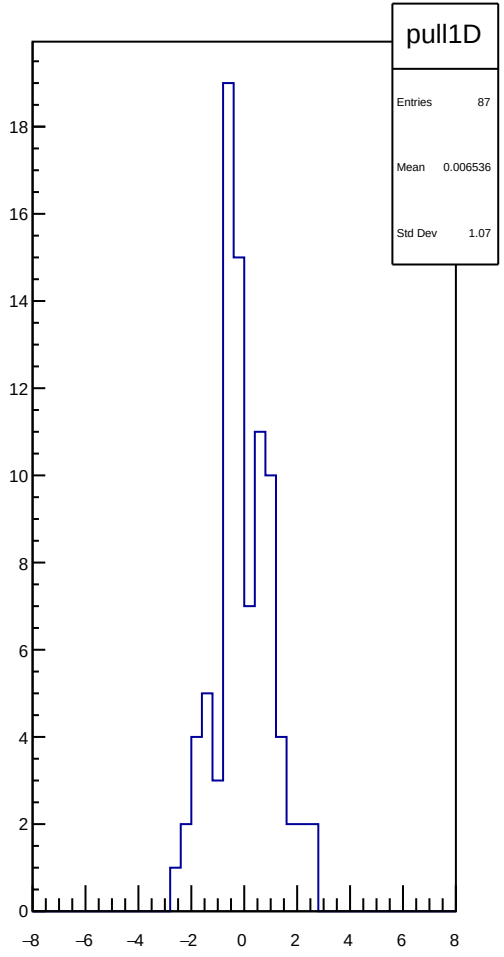



dit_asym_atr2_mean vs run
χ^2 / ndf 93.58 / 86
p0 −5074 ± 2993
×10^3
pull
Entries 87
Mean 164.3
Std Dev 123

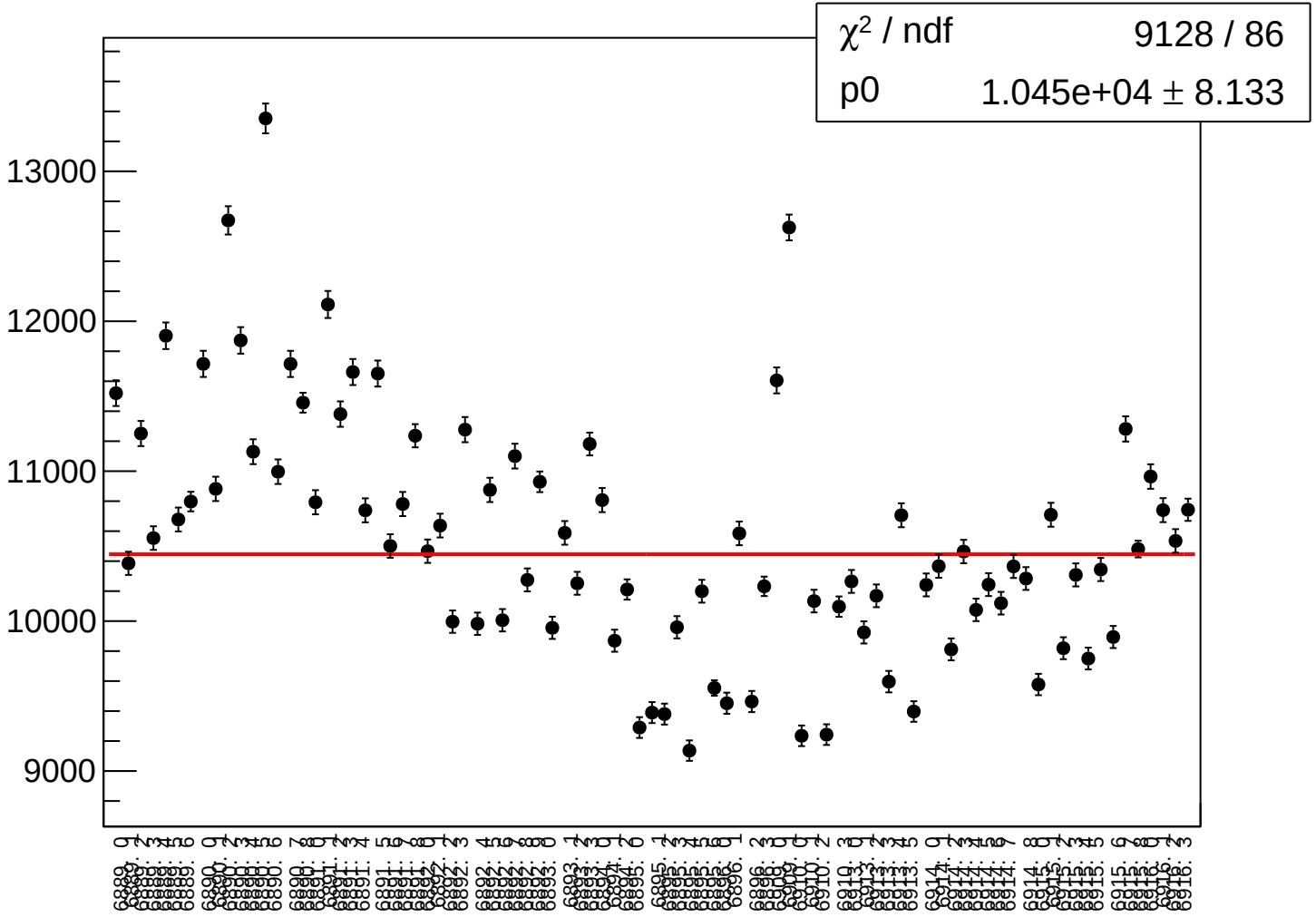

pull1D
Entries 87
Mean −0.008515
Std Dev 1.037

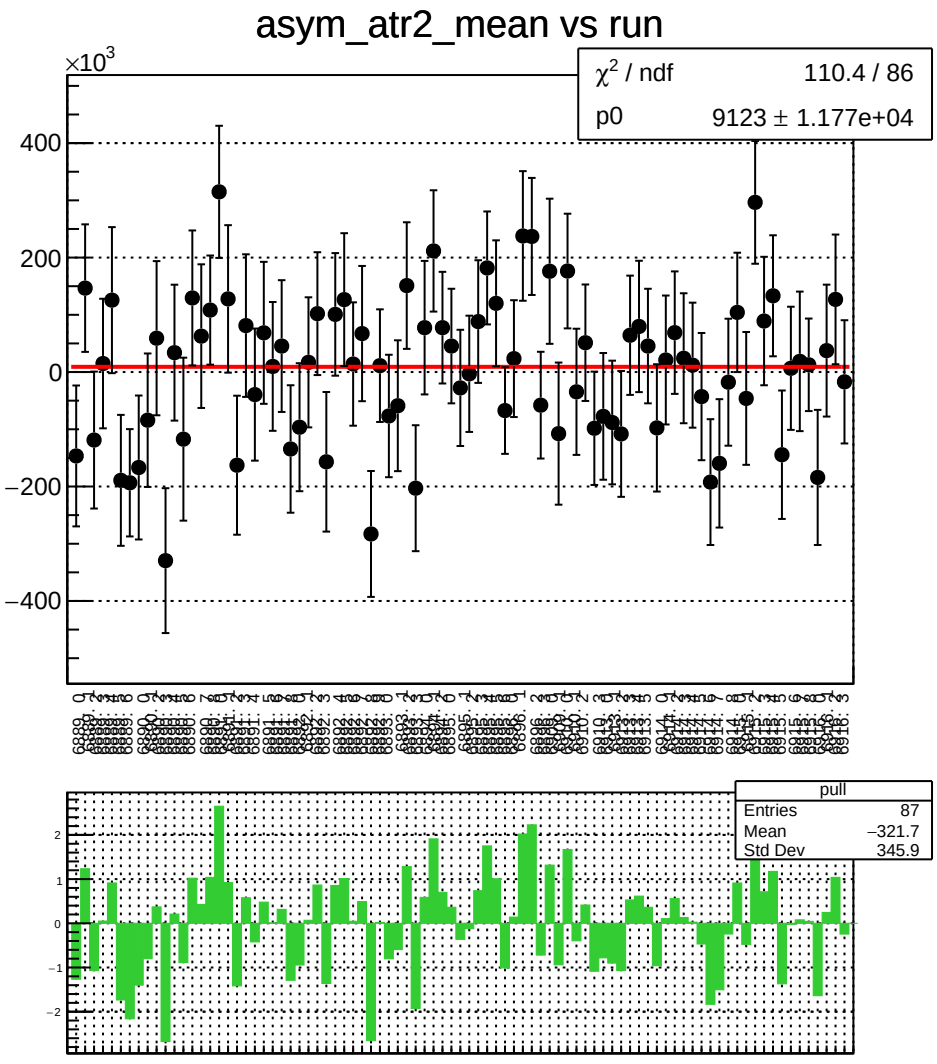

dit_asym_atr2_rms vs run
χ² / ndf 383.1 / 86
p0 2725 ± 2.116
2850
2800
2750
2700
2650

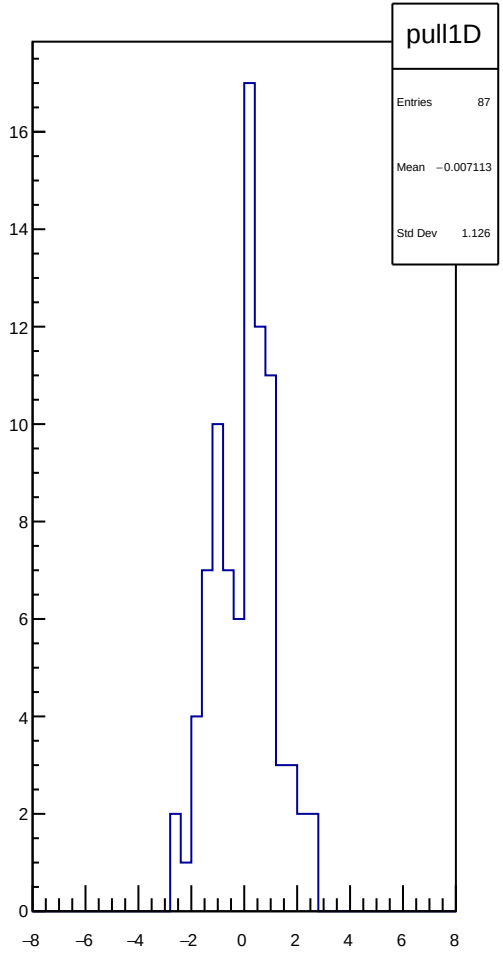

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 99.55 / 86
p0 −1.454e+04 ± 1.15e+04
400
200
0
−200
−400
pull
Entries 87
Mean −387.4
Std Dev 412.5
3
2
1
0
−1
−2

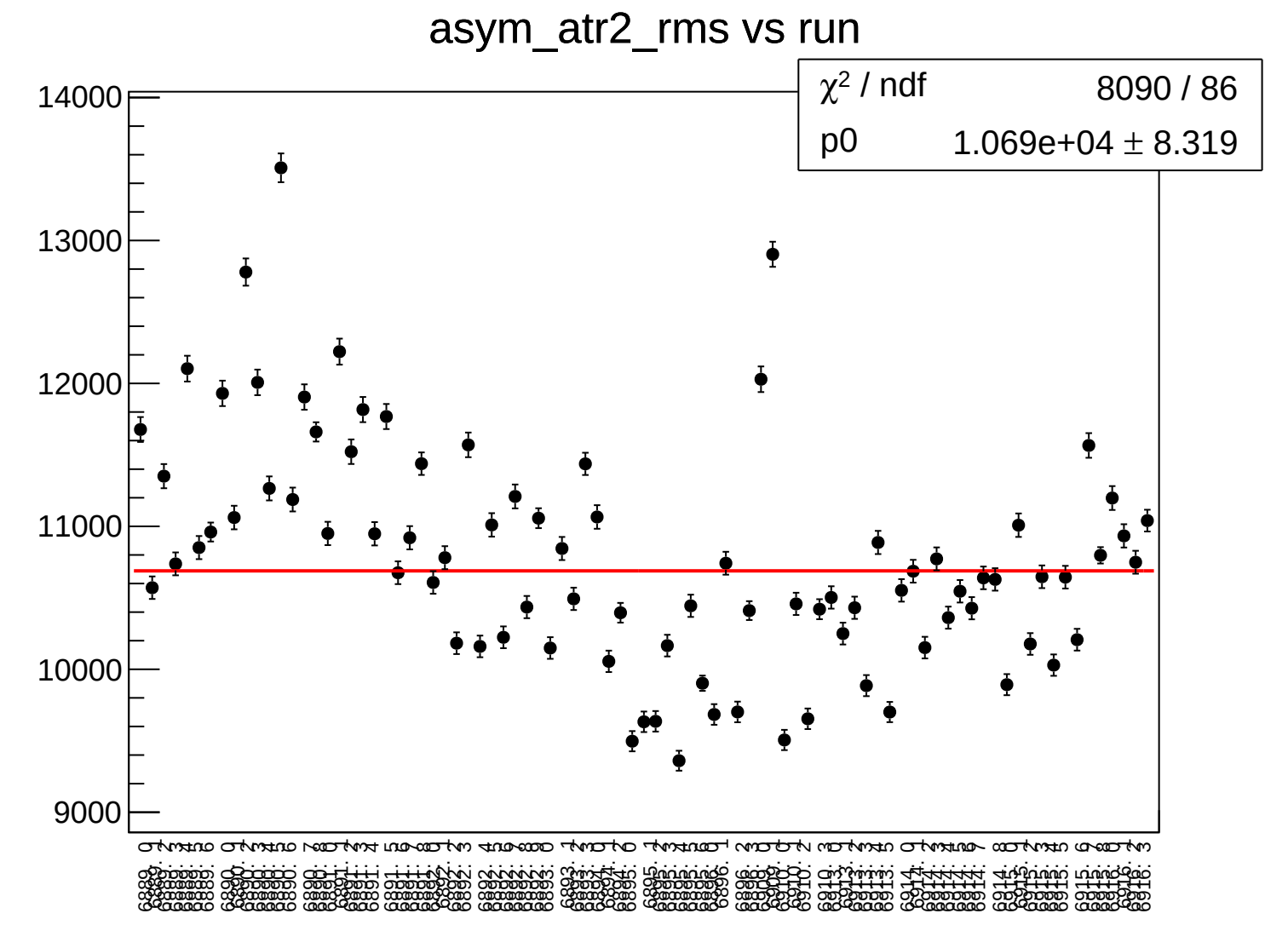

pull1D
Entries 87
Mean 0.006536
Std Dev 1.07
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

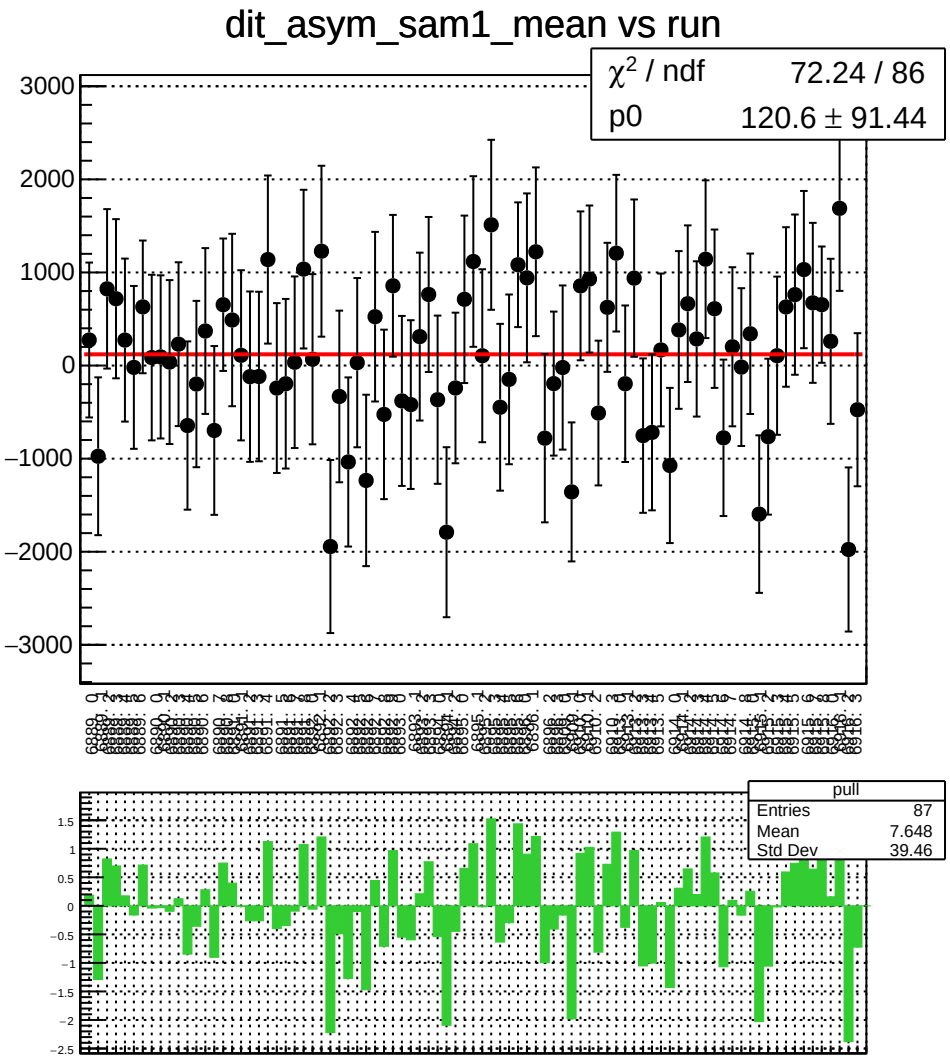
asym_atr2_correction_rms vs run

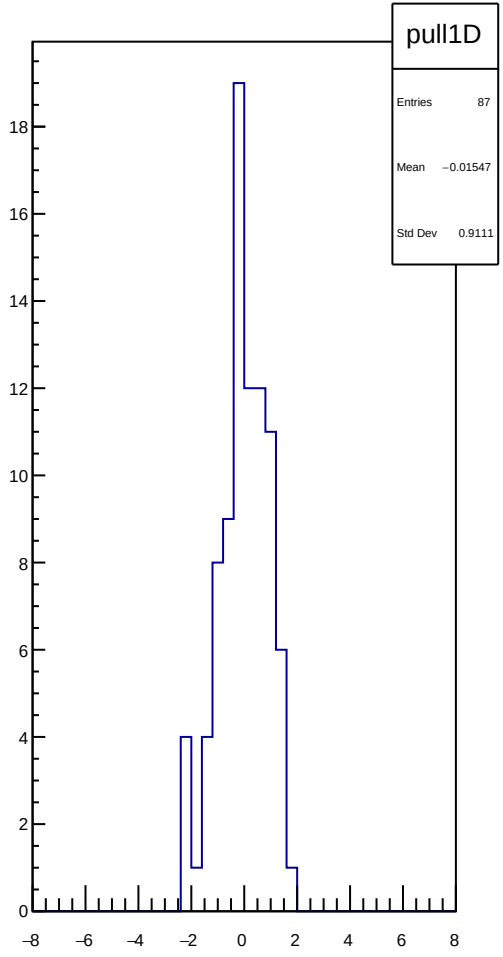


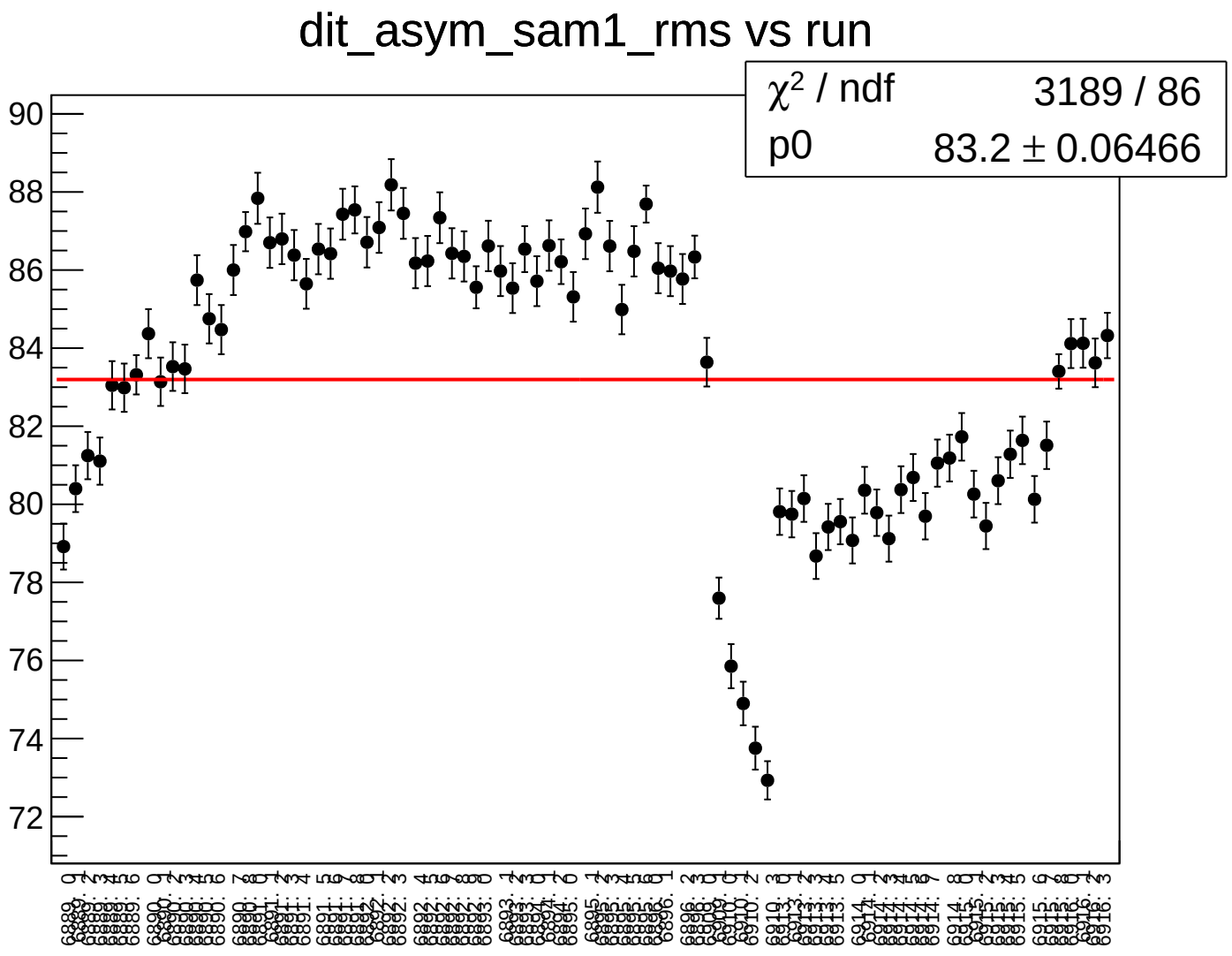

asym_atr2_mean vs run
×10^3
χ² / ndf 110.4 / 86
p0 9123 ± 1.177e+04
400
200
0
−200
−400
pull
Entries 87
Mean −321.7
Std Dev 345.9
2
1
0
−1
−2

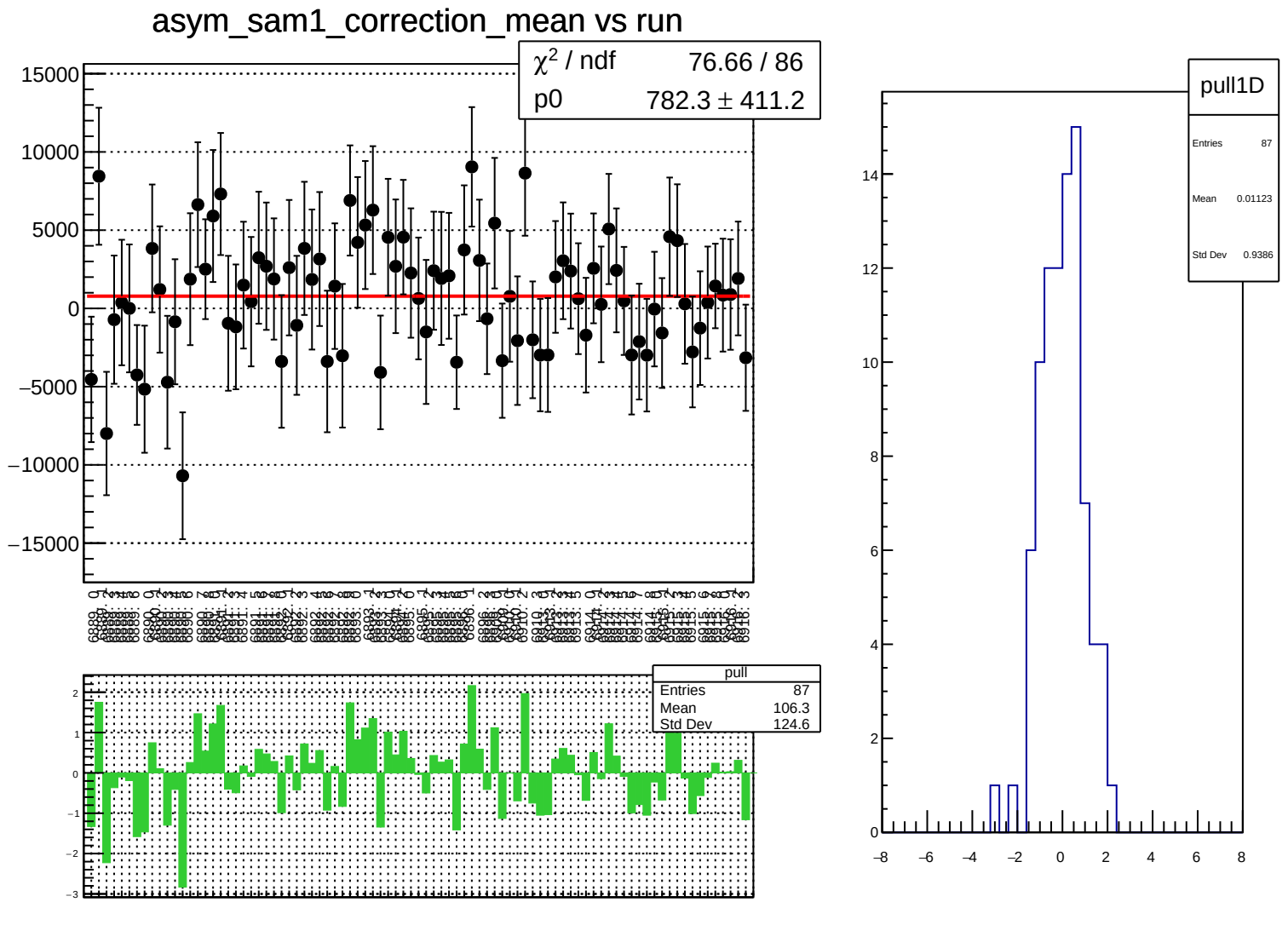

pull1D
Entries 87
Mean −0.007113
Std Dev 1.126
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_rms vs run
χ2 / ndf 8090 / 86
p0 1.069e+04 ± 8.319
14000
13000
12000
11000
10000
9000

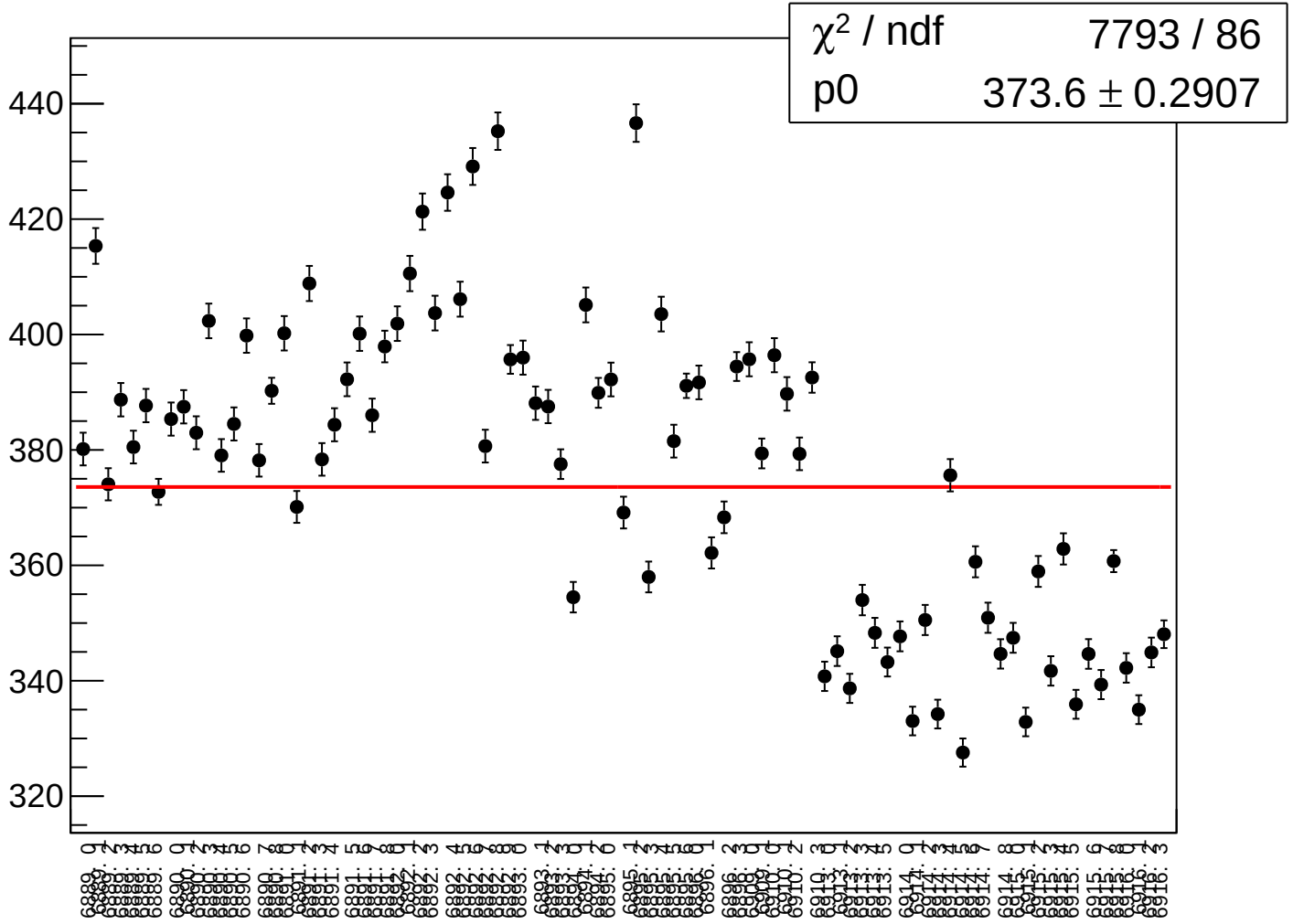

dit_asym_sam1_mean vs run
χ^2 / ndf 72.24 / 86
p0 120.6 ± 91.44
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 7.648
Std Dev 39.46
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

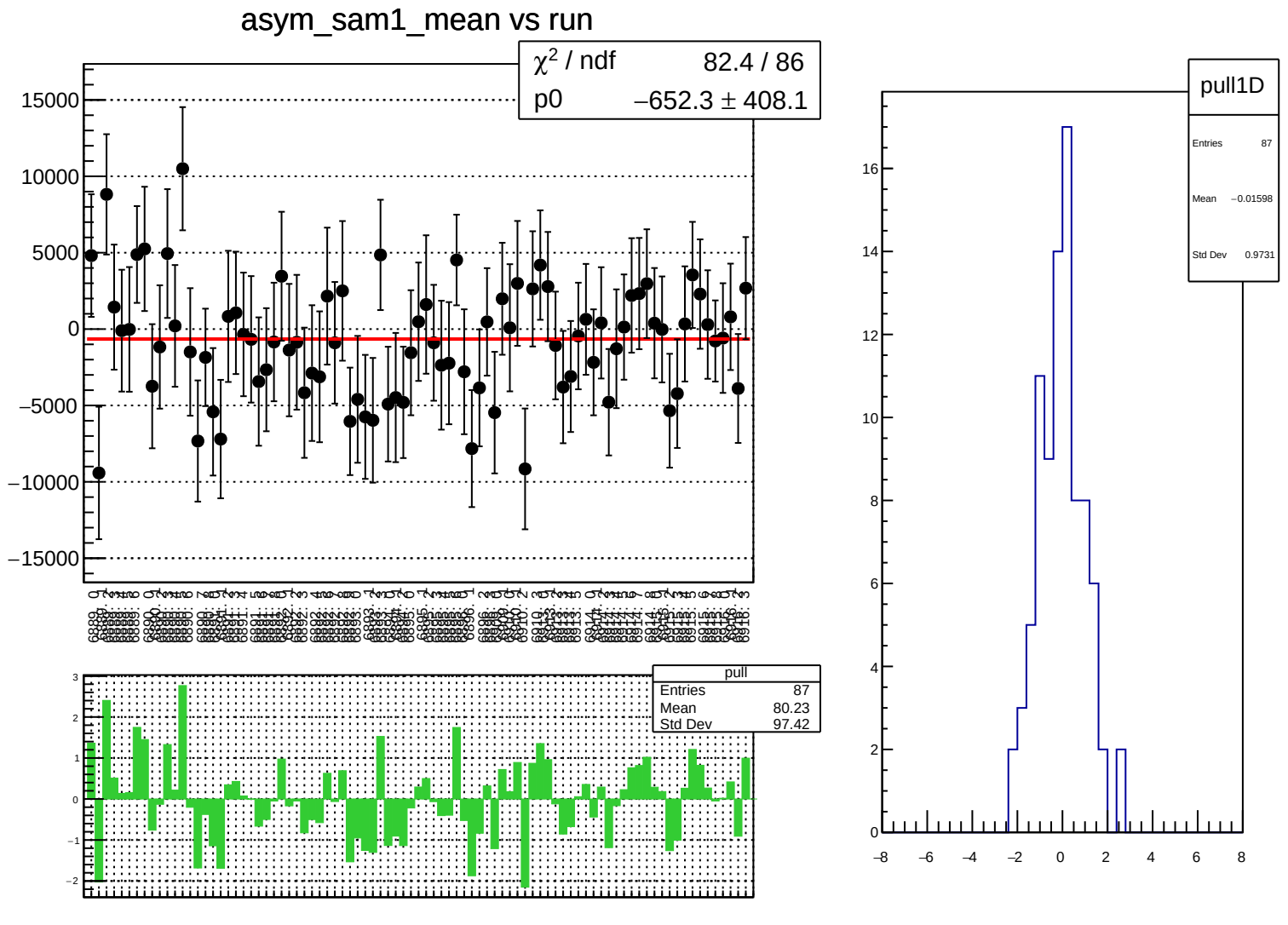

pull1D
Entries 87
Mean −0.01547
Std Dev 0.9111
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam1_rms vs run
χ² / ndf 3189 / 86
p0 83.2 ± 0.06466
90
88
86
84
82
80
78
76
74
72

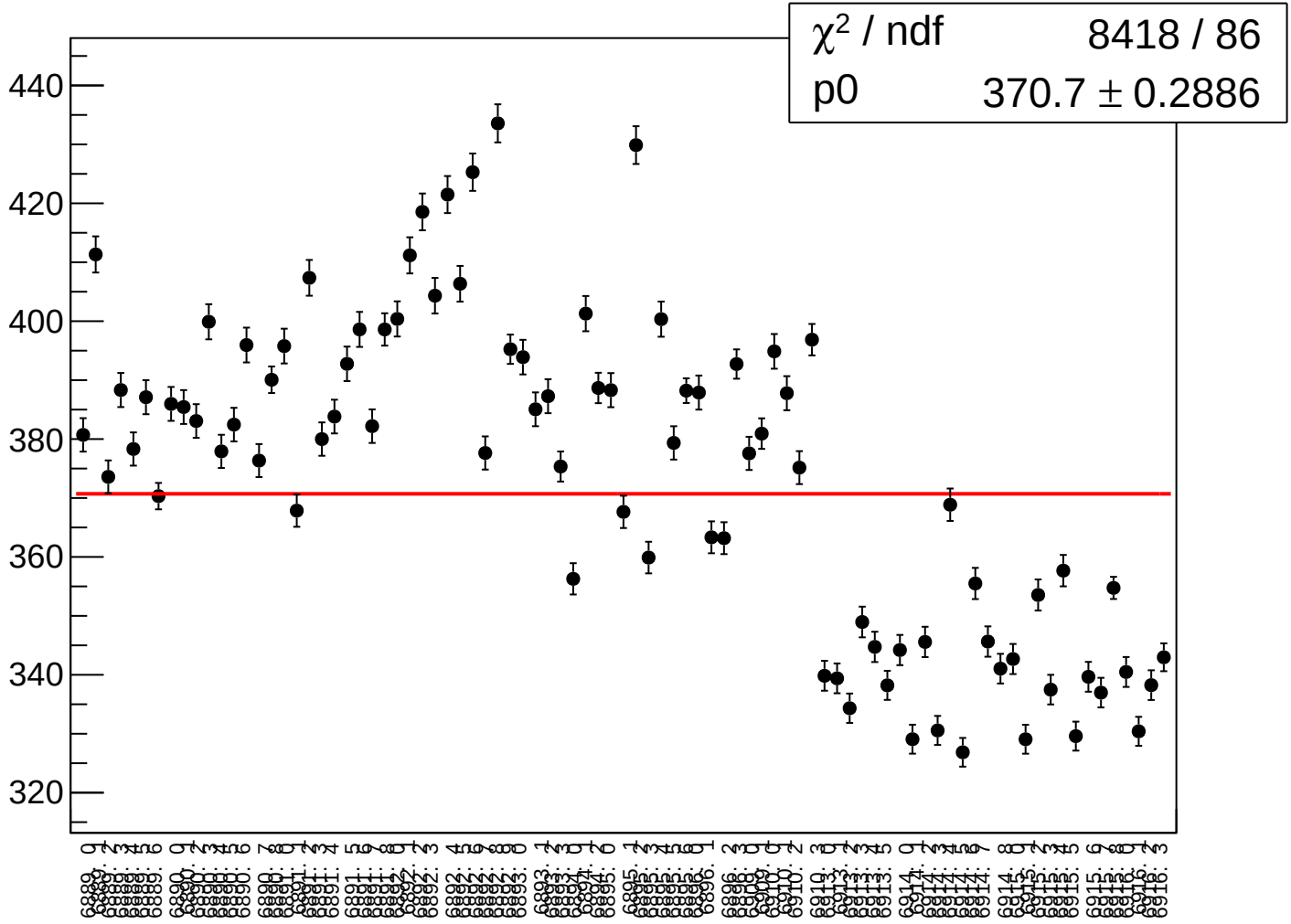

asym_sam1_correction_mean vs run
χ² / ndf 76.66 / 86
p0 782.3 ± 411.2
pull
Entries 87
Mean 106.3
Std Dev 124.6
pull1D
Entries 87
Mean 0.01123
Std Dev 0.9386

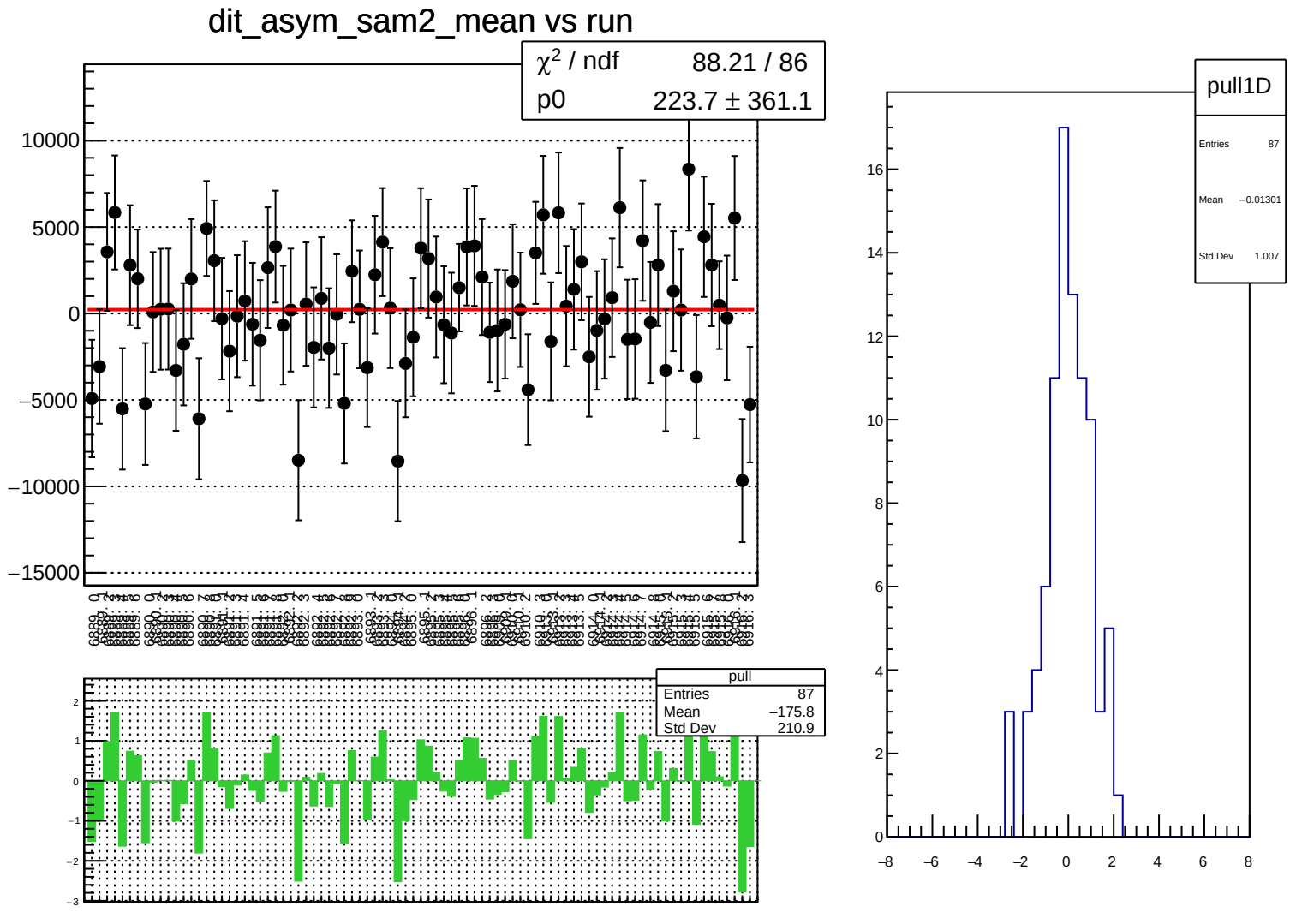
asym_sam1_correction_rms vs run



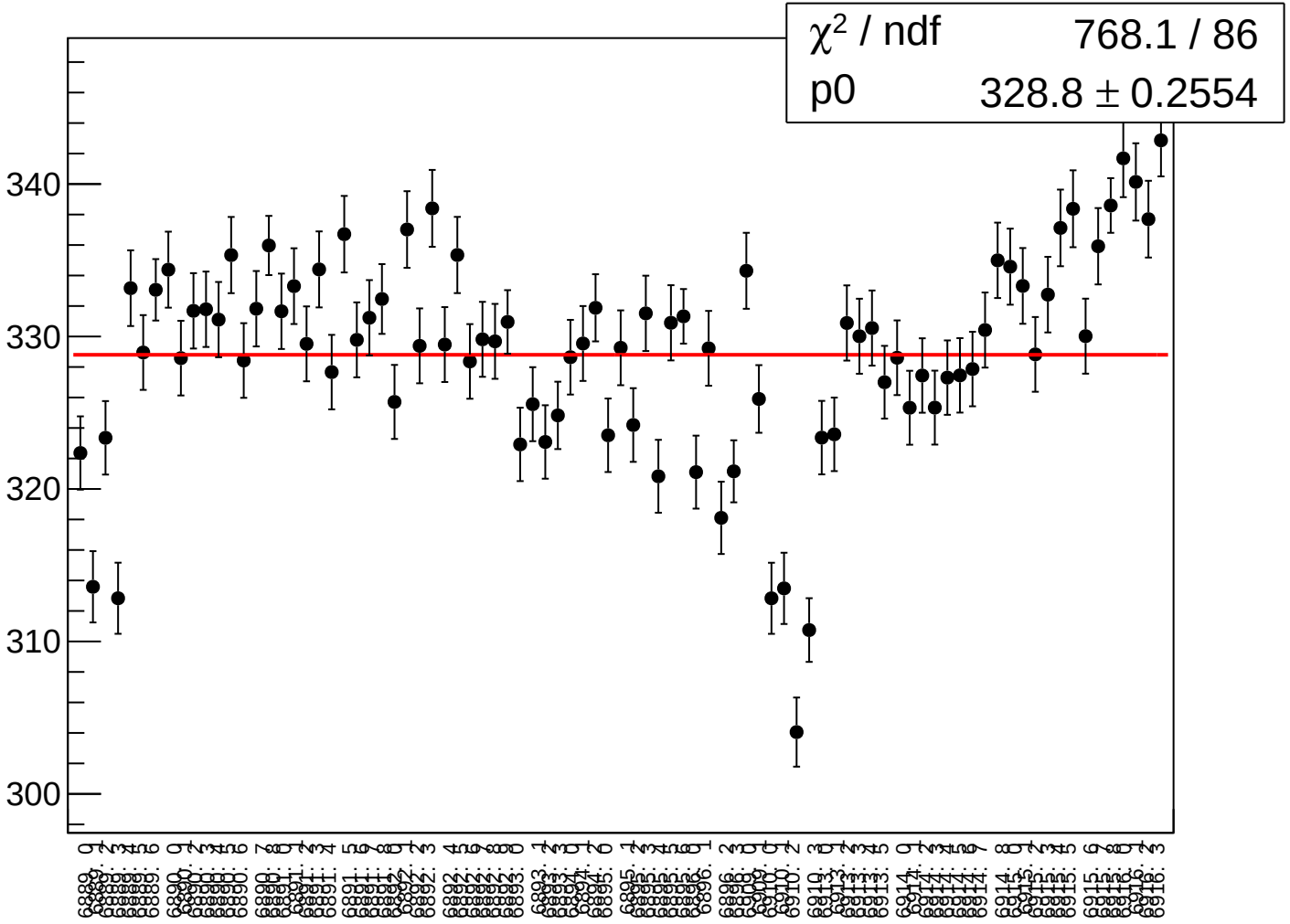

asym_sam1_mean vs run
χ² / ndf 82.4 / 86
p0 −652.3 ± 408.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 80.23
Std Dev 97.42
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01598
Std Dev 0.9731
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

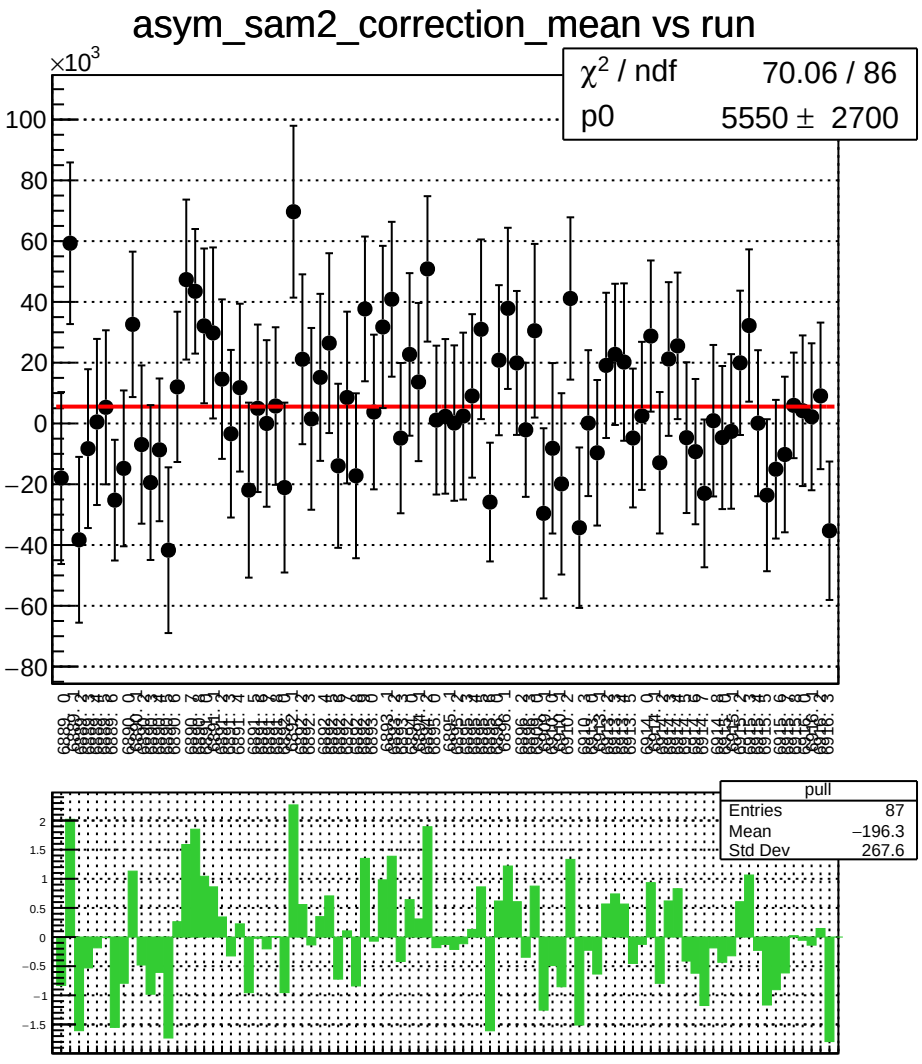
asym_sam1_rms vs run

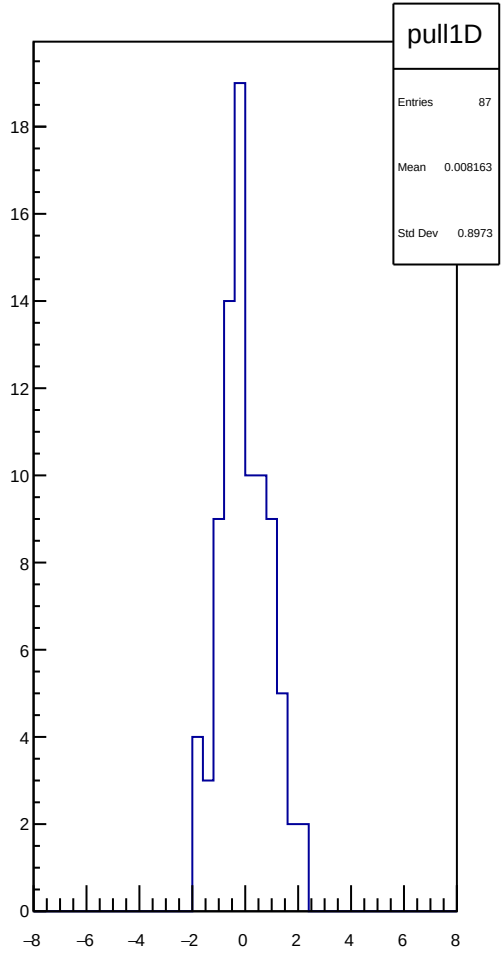


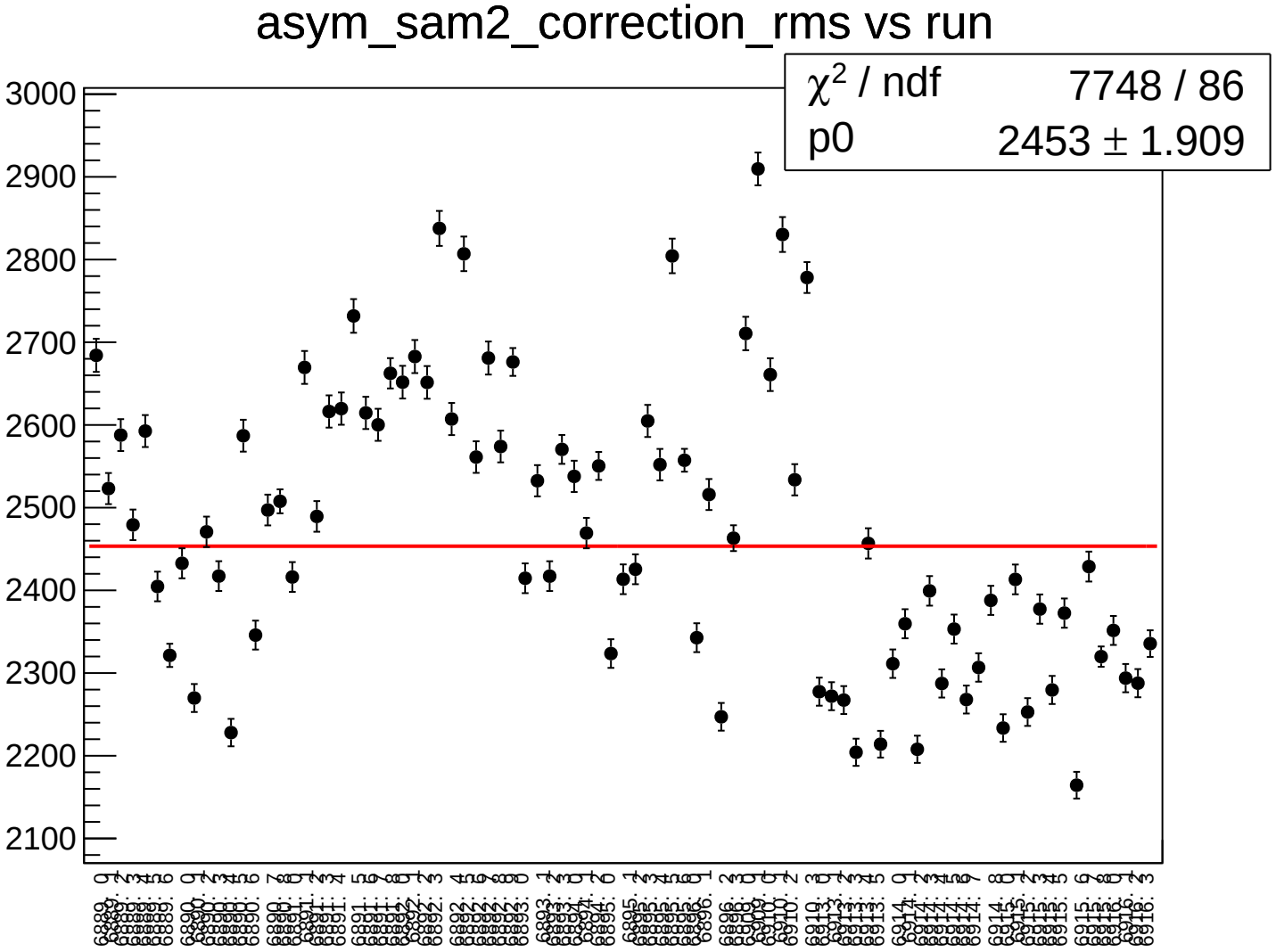

dit_asym_sam2_mean vs run
χ² / ndf 88.21 / 86
p0 223.7 ± 361.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −175.8
Std Dev 210.9
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.01301
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

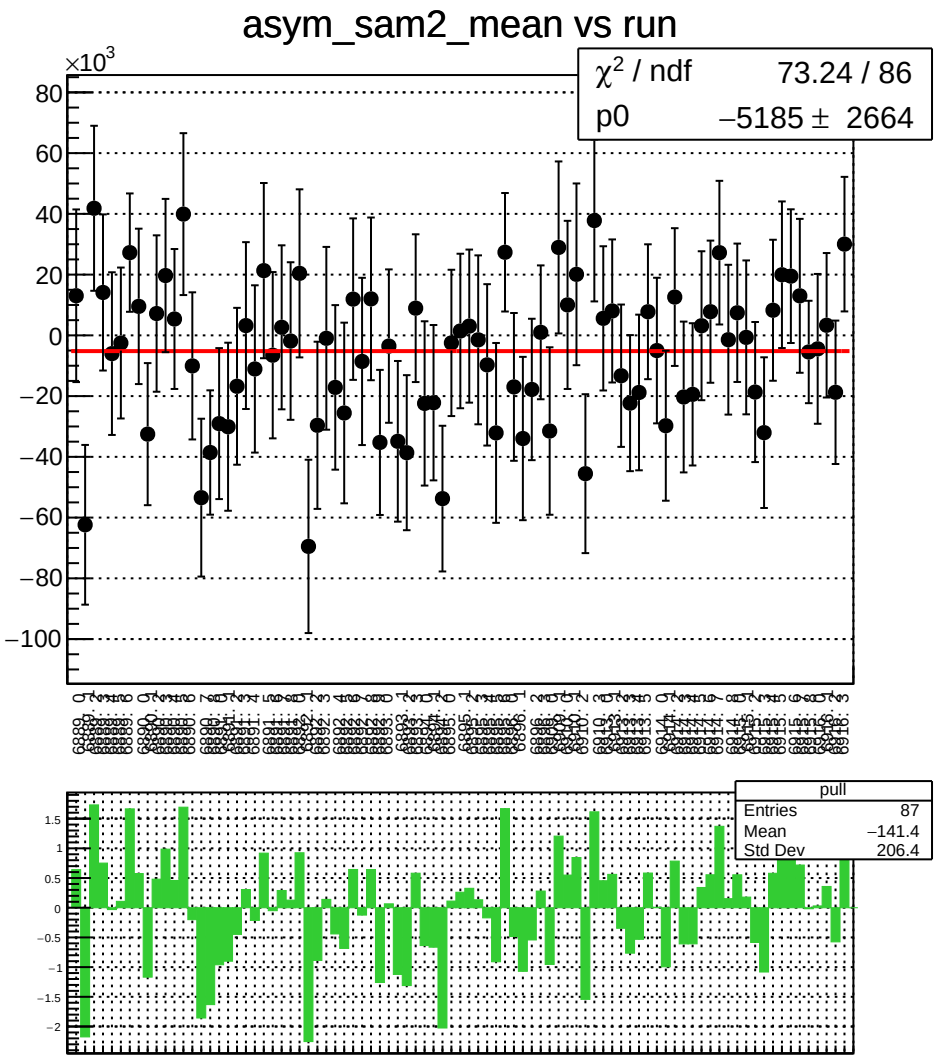
dit_asym_sam2_rms vs run

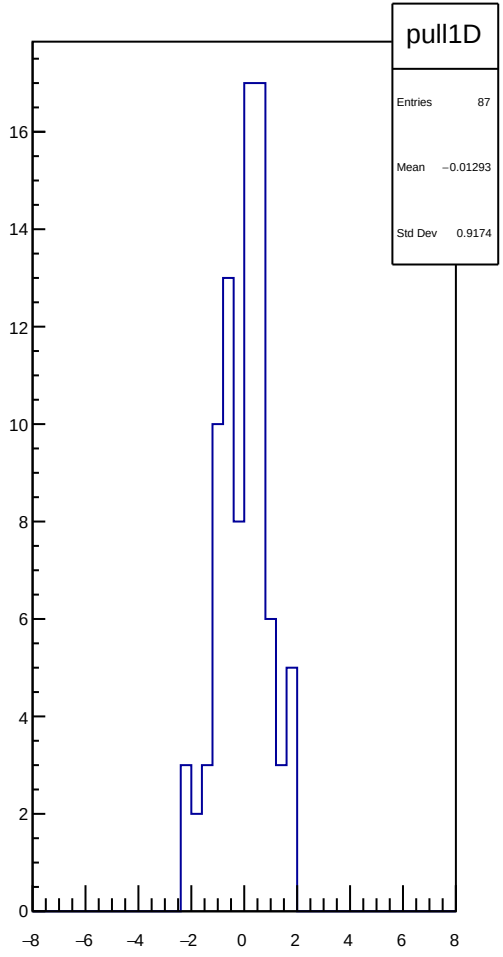


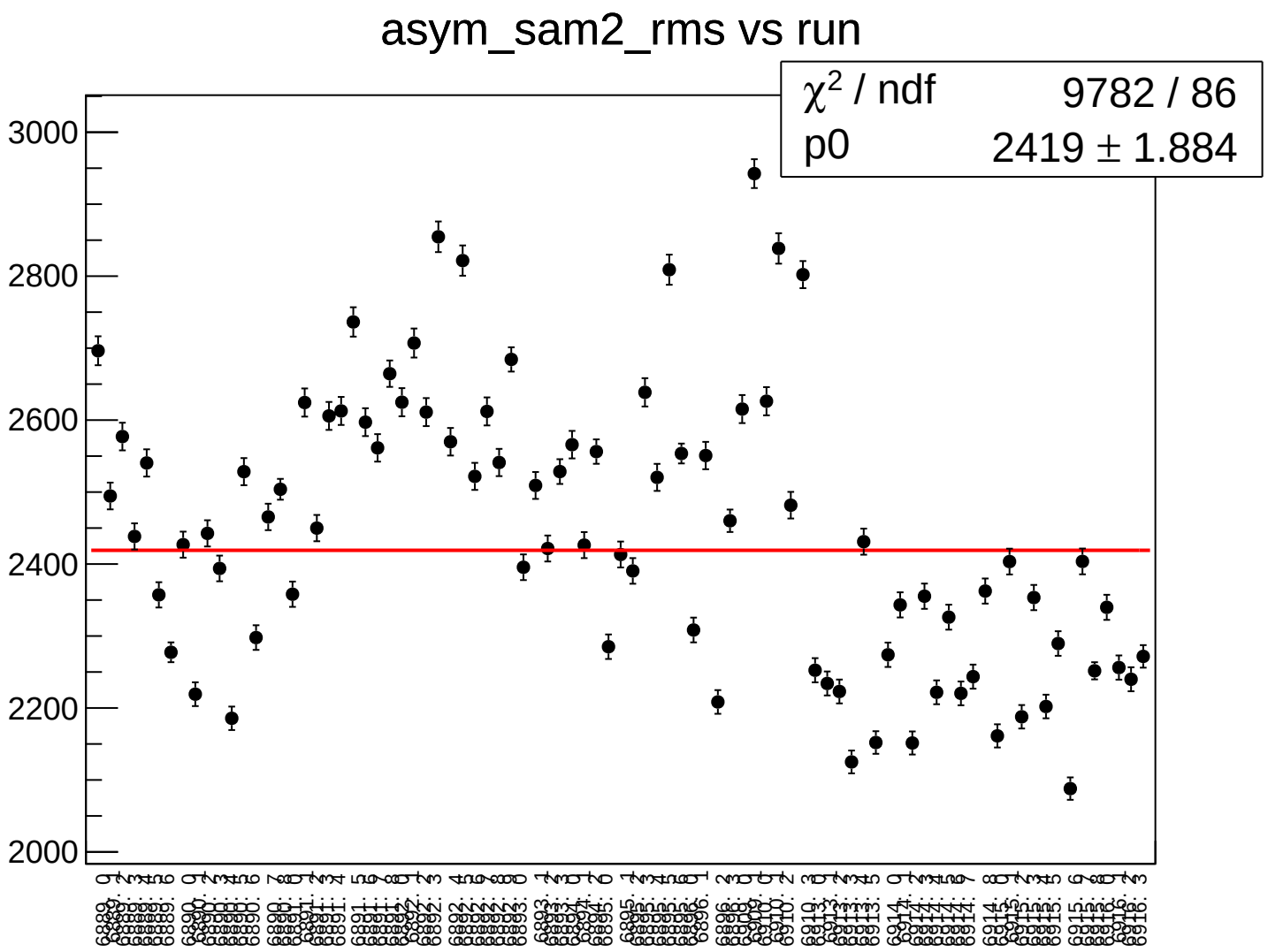

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 70.06 / 86
p0 5550 ± 2700
pull
Entries 87
Mean −196.3
Std Dev 267.6

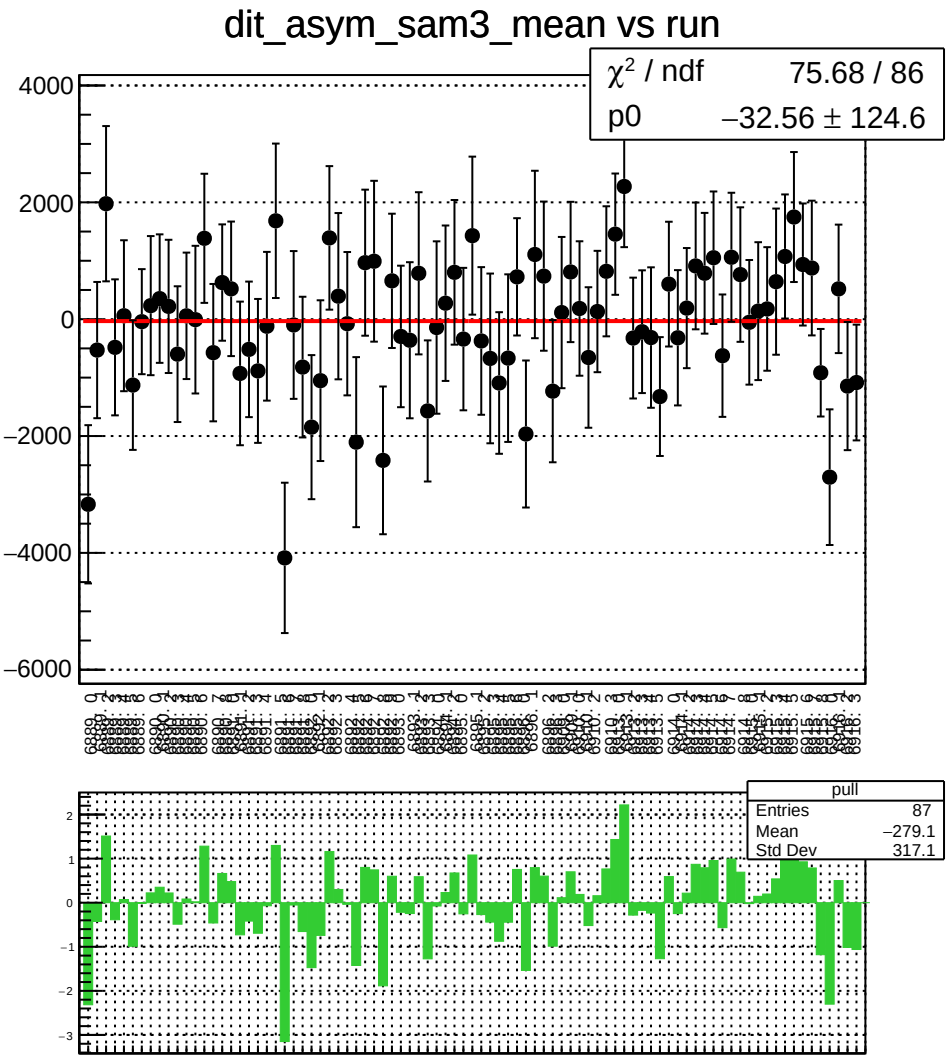

pull1D
Entries 87
Mean 0.008163
Std Dev 0.8973

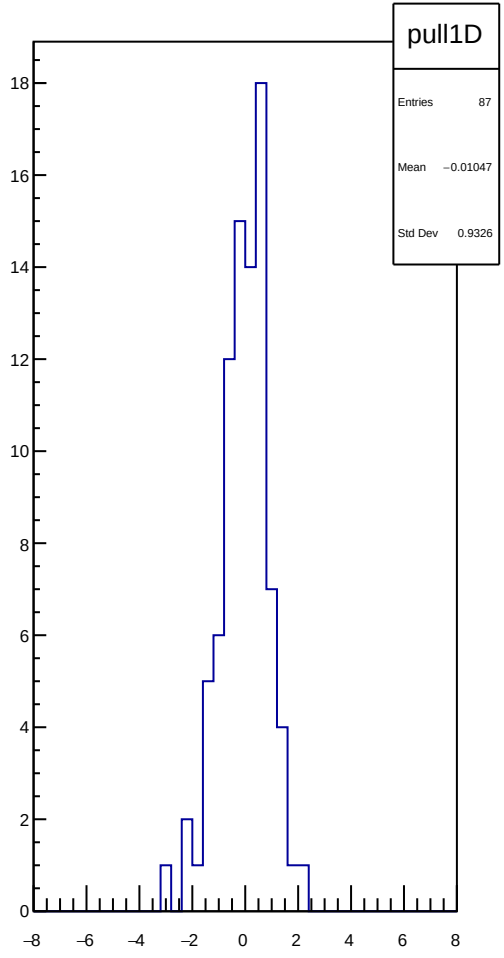

asym_sam2_correction_rms vs run
χ^2 / ndf 7748 / 86
p0 2453 ± 1.909
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100


asym_sam2_mean vs run
×10^3
χ² / ndf 73.24 / 86
p0 −5185 ± 2664
pull
Entries 87
Mean −141.4
Std Dev 206.4

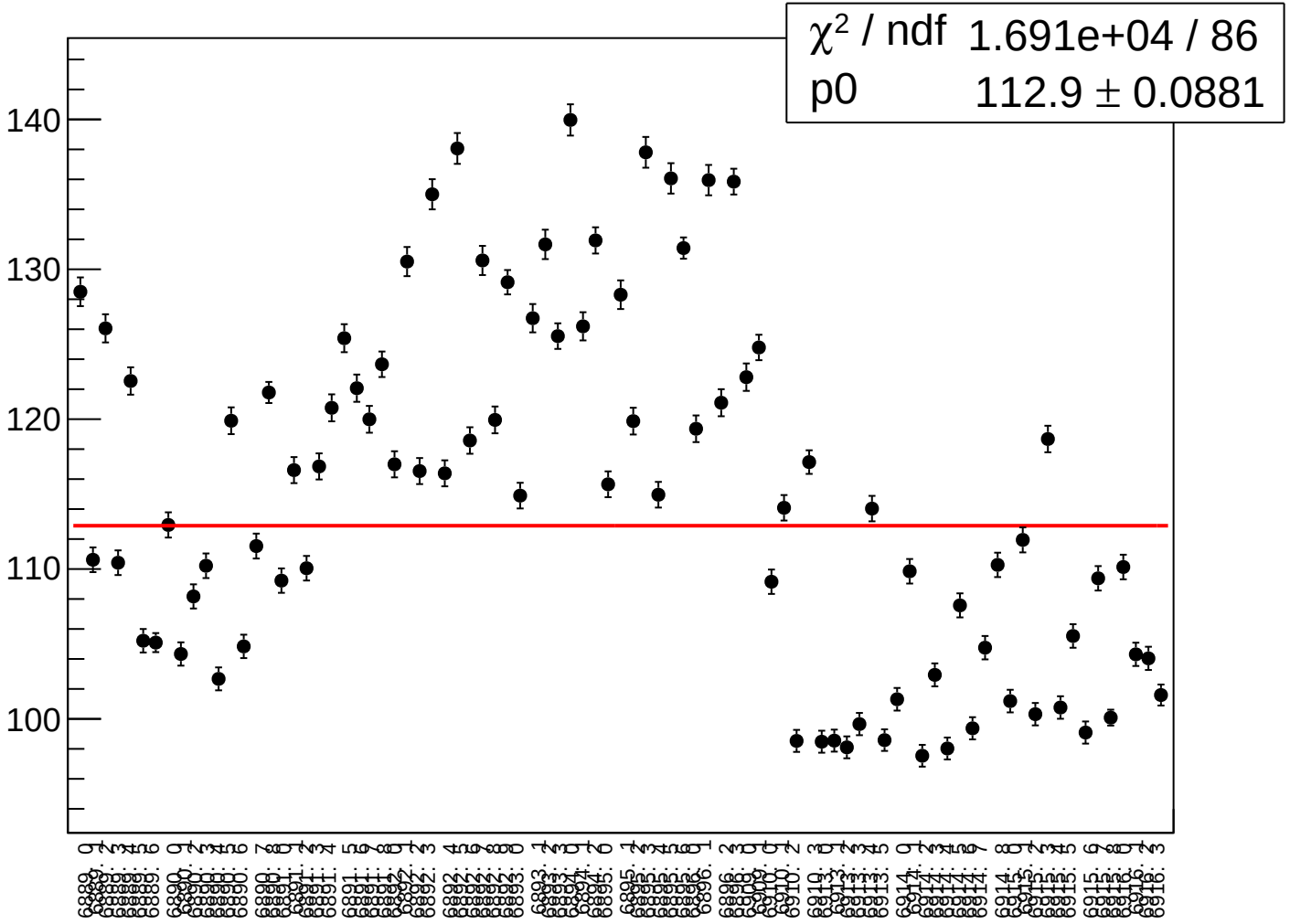

pull1D
Entries 87
Mean −0.01293
Std Dev 0.9174

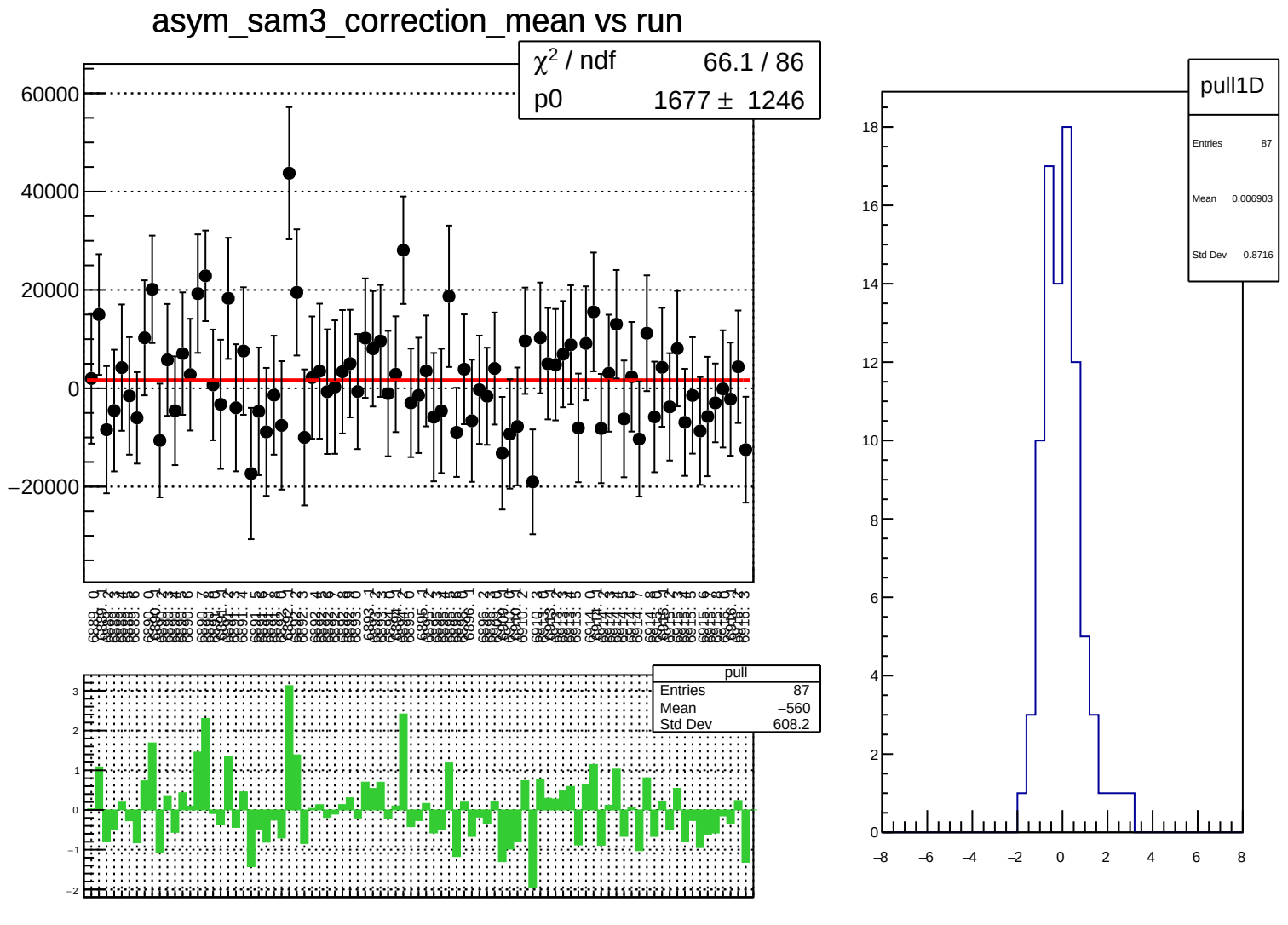

asym_sam2_rms vs run
χ^2 / ndf 9782 / 86
p0 2419 ± 1.884
3000
2800
2600
2400
2200
2000


dit_asym_sam3_mean vs run
χ² / ndf 75.68 / 86
p0 −32.56 ± 124.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean −279.1
Std Dev 317.1
2
1
0
−1
−2
−3

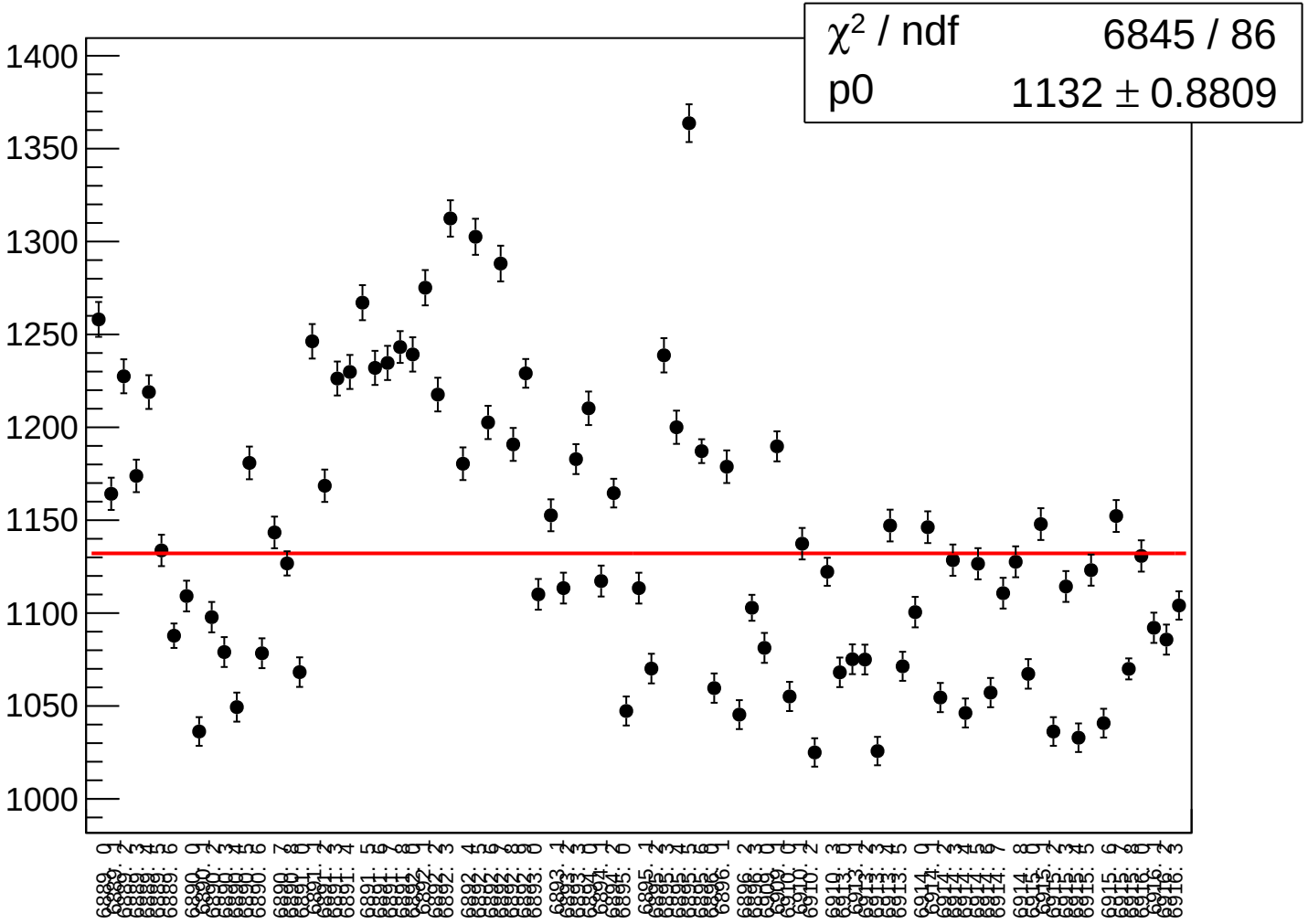

pull1D
Entries 87
Mean −0.01047
Std Dev 0.9326
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

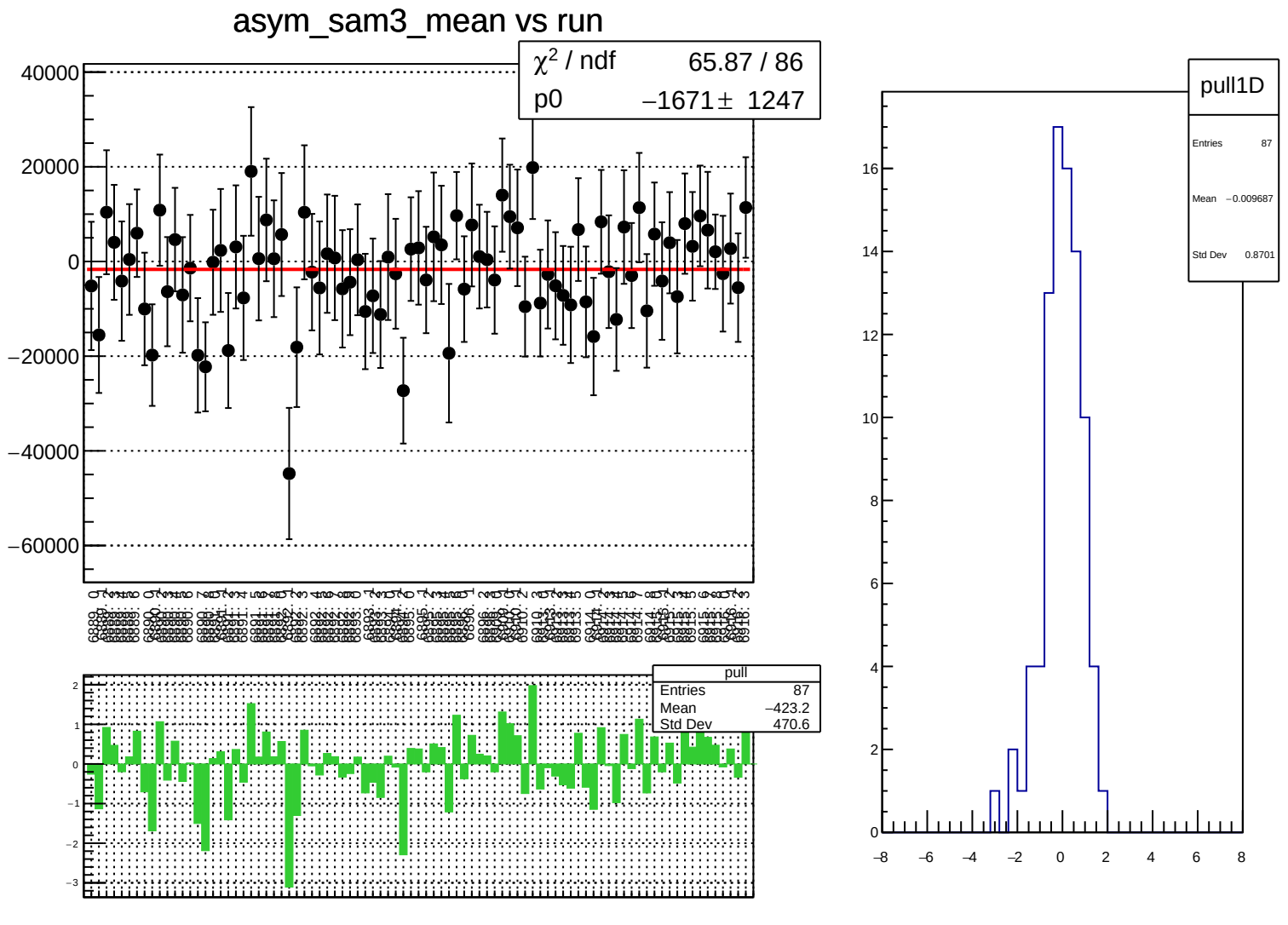
dit_asym_sam3_rms vs run

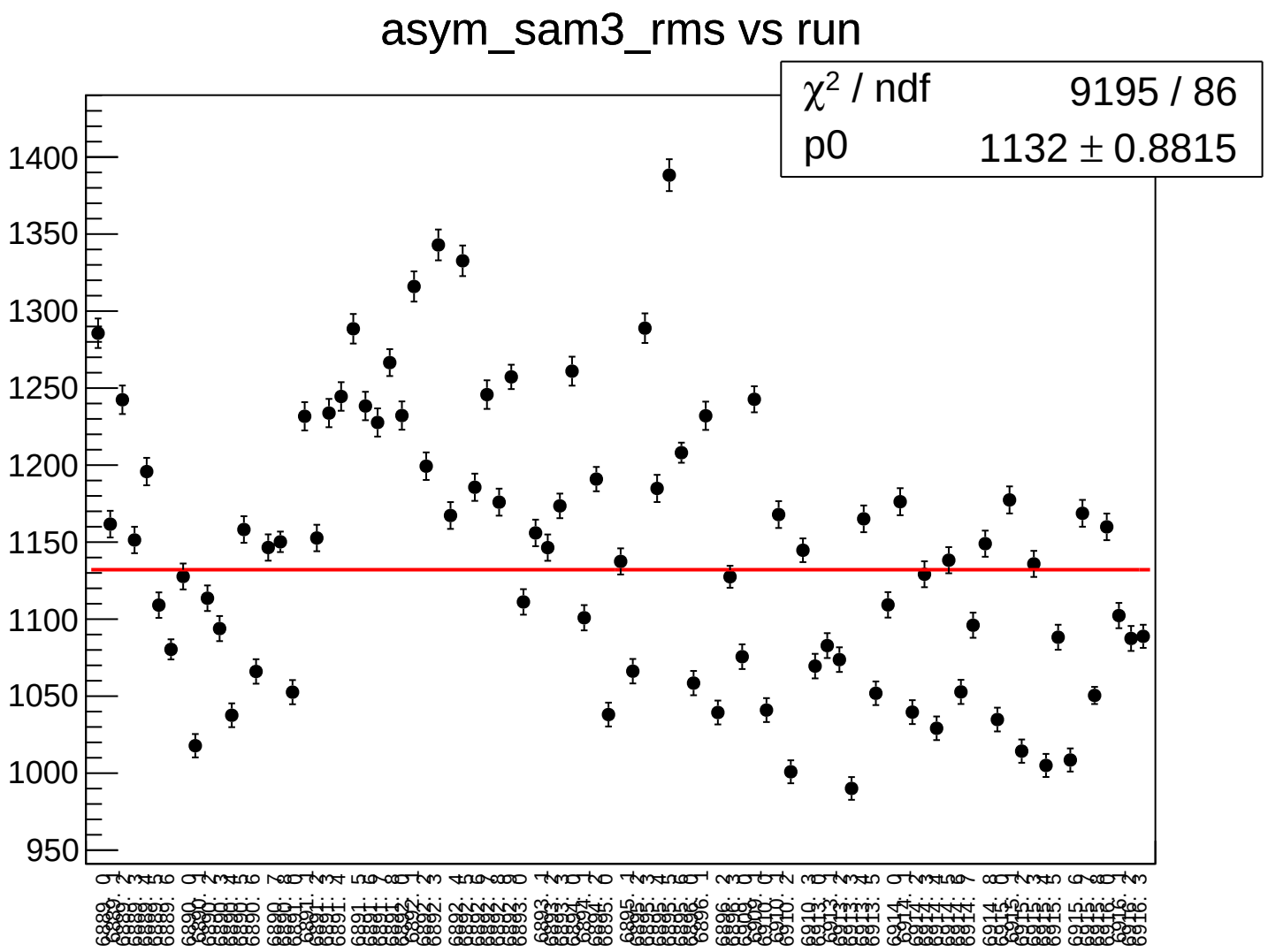


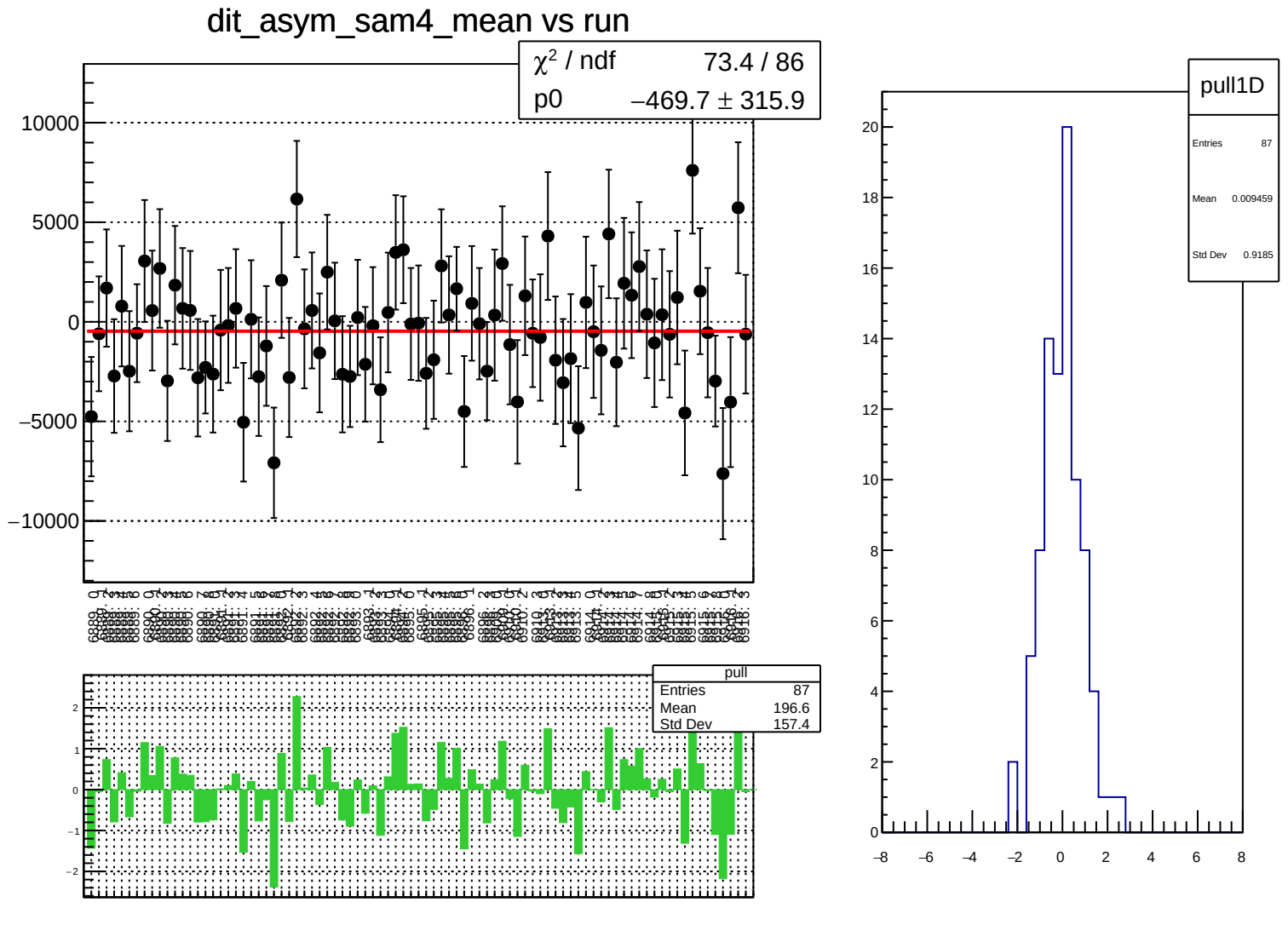

asym_sam3_correction_mean vs run
χ² / ndf 66.1 / 86
p0 1677 ± 1246
60000
40000
20000
0
−20000
pull
Entries 87
Mean −560
Std Dev 608.2
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.006903
Std Dev 0.8716
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam3_correction_rms vs run

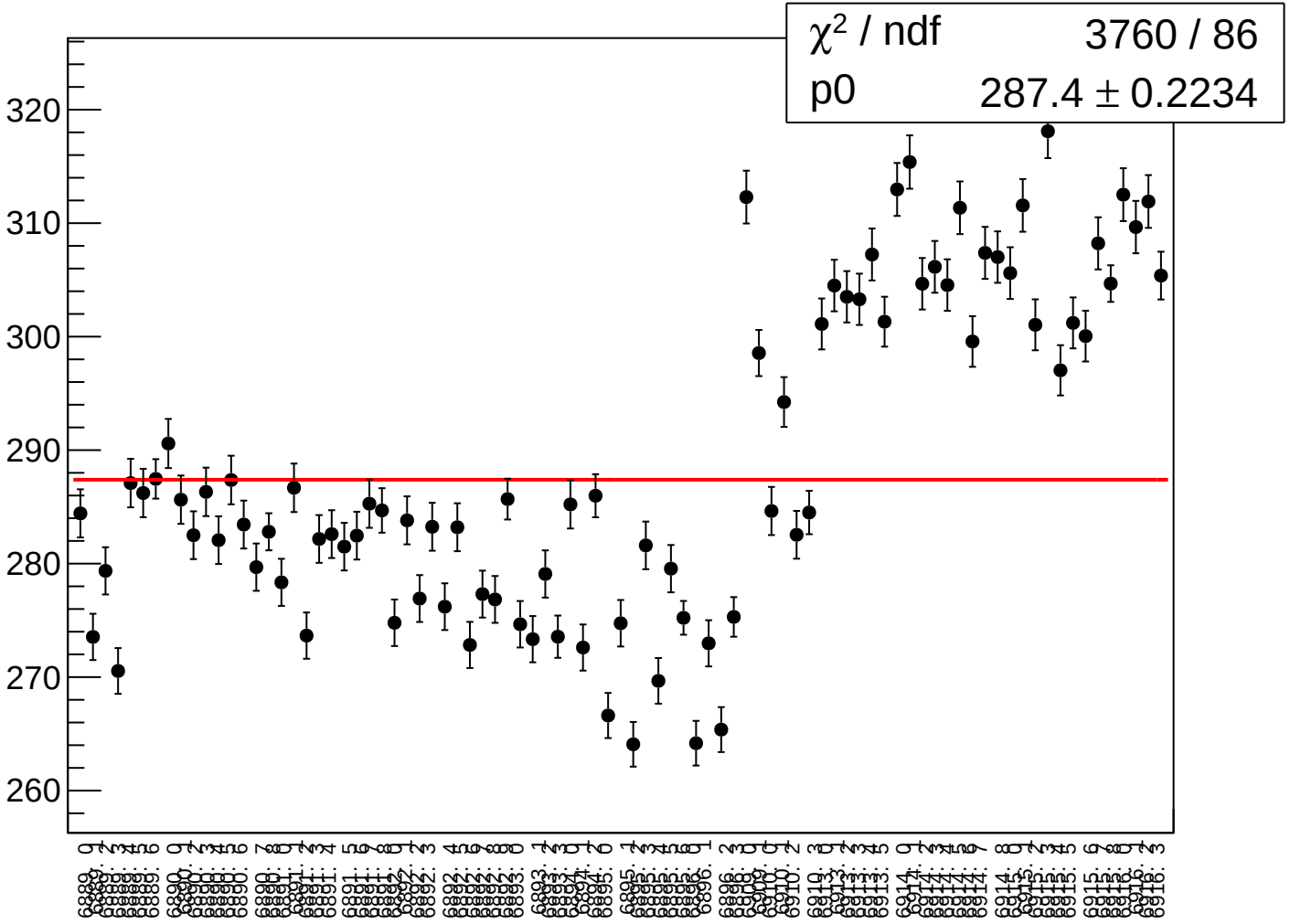


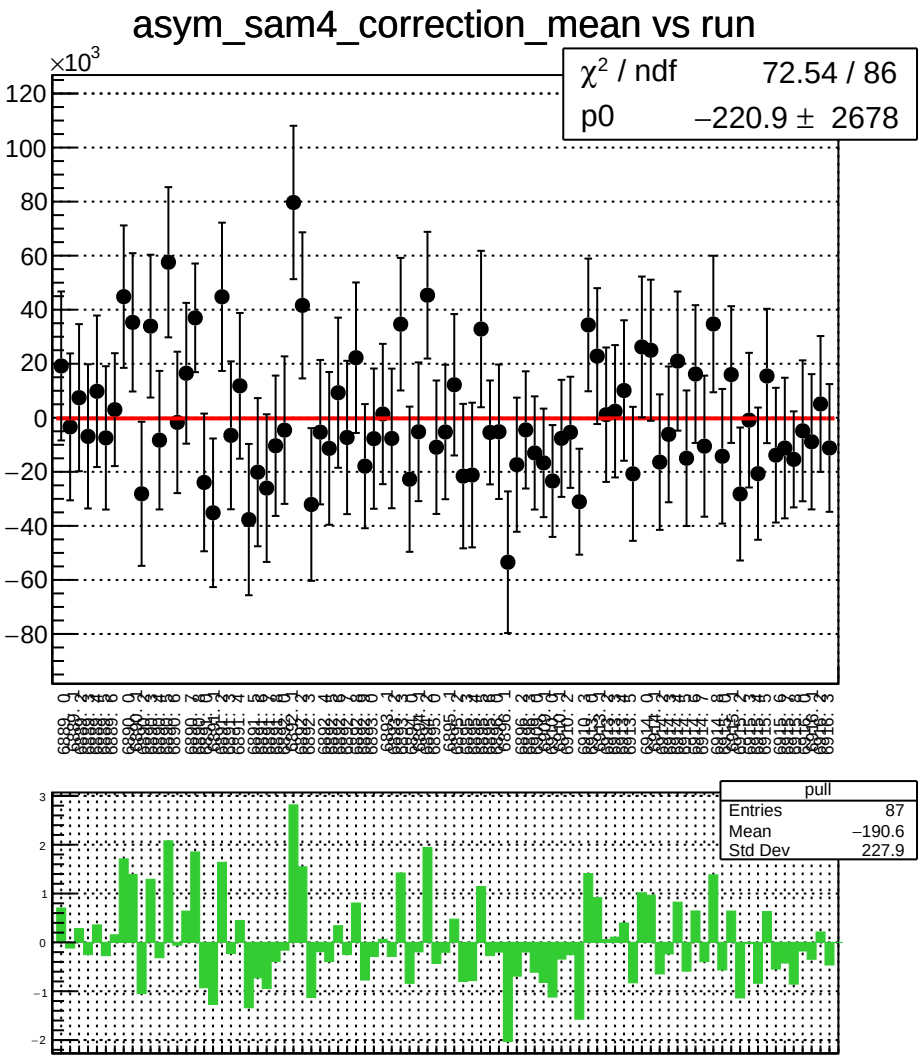

asym_sam3_mean vs run
χ² / ndf 65.87 / 86
p0 −1671 ± 1247
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −423.2
Std Dev 470.6
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.009687
Std Dev 0.8701
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

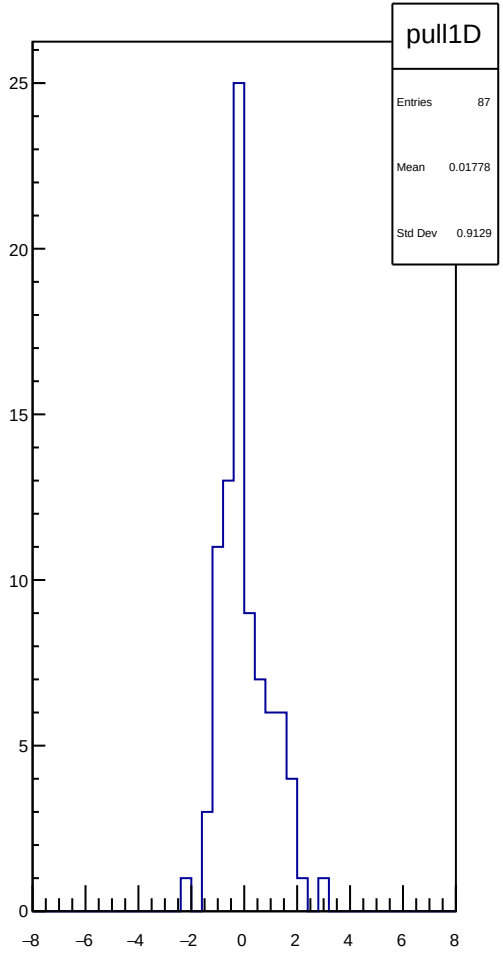

asym_sam3_rms vs run
χ^2 / ndf 9195 / 86
p0 1132 ± 0.8815
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

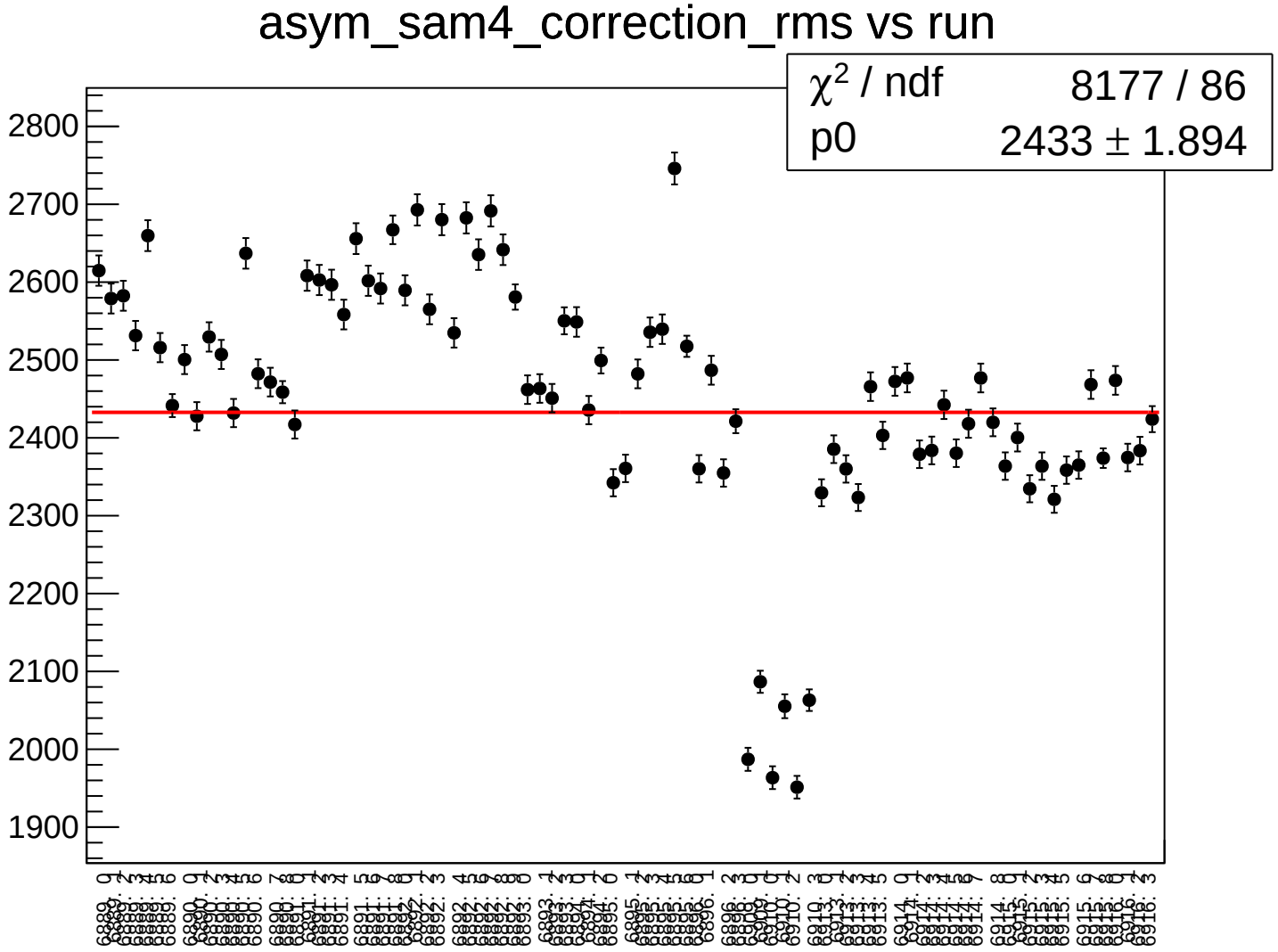

dit_asym_sam4_mean vs run
χ² / ndf 73.4 / 86
p0 −469.7 ± 315.9
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 196.6
Std Dev 157.4
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.009459
Std Dev 0.9185
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

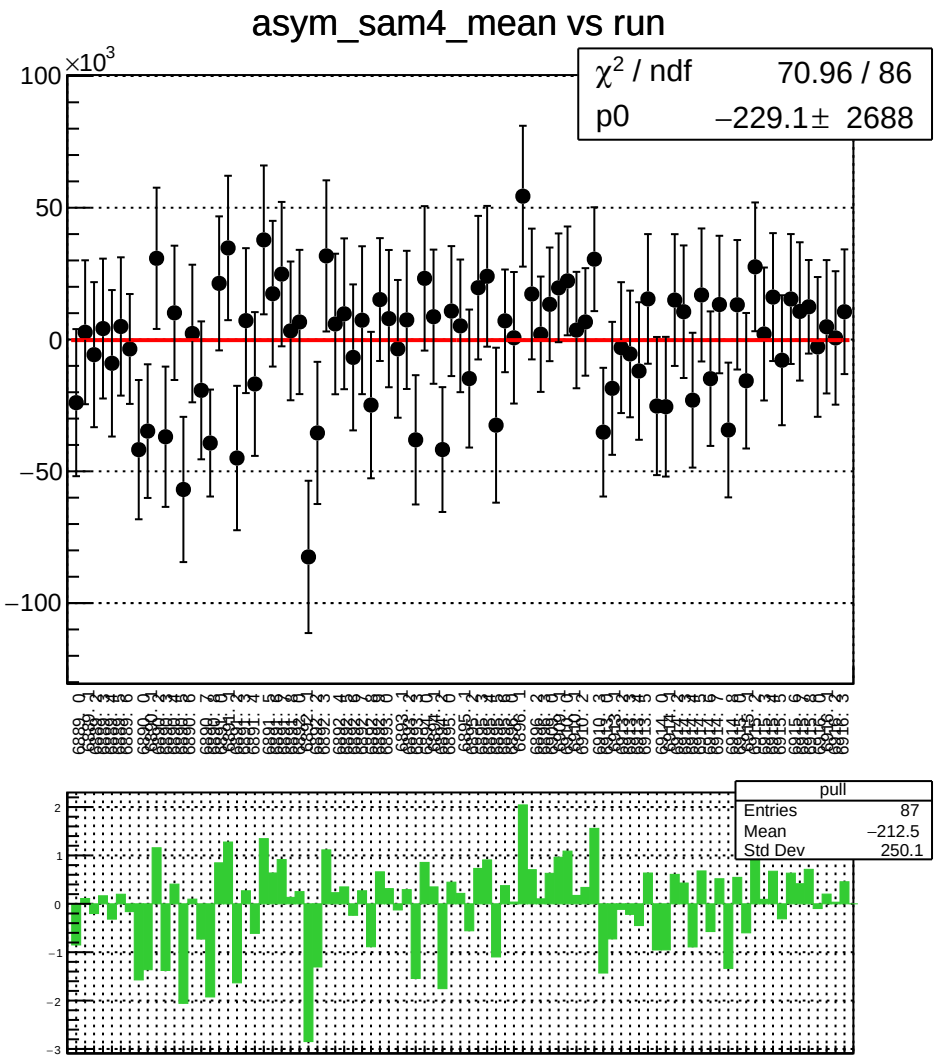
dit_asym_sam4_rms vs run

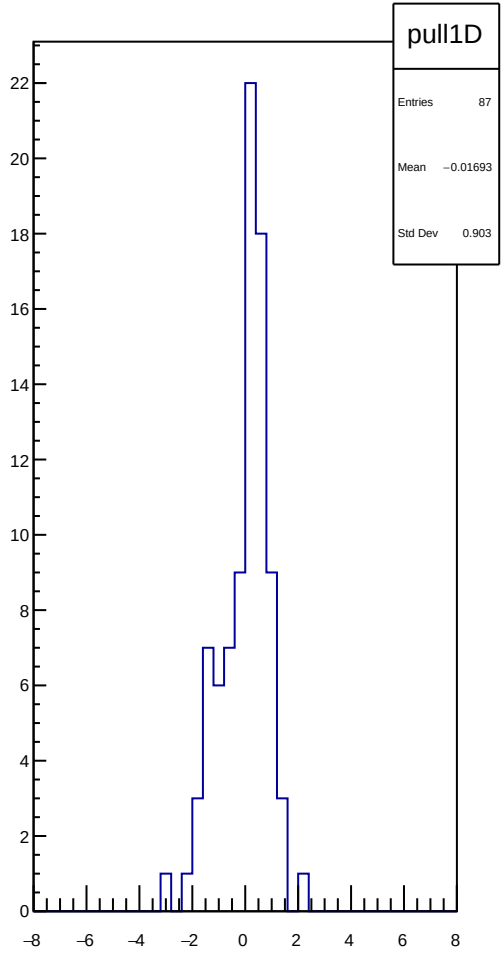


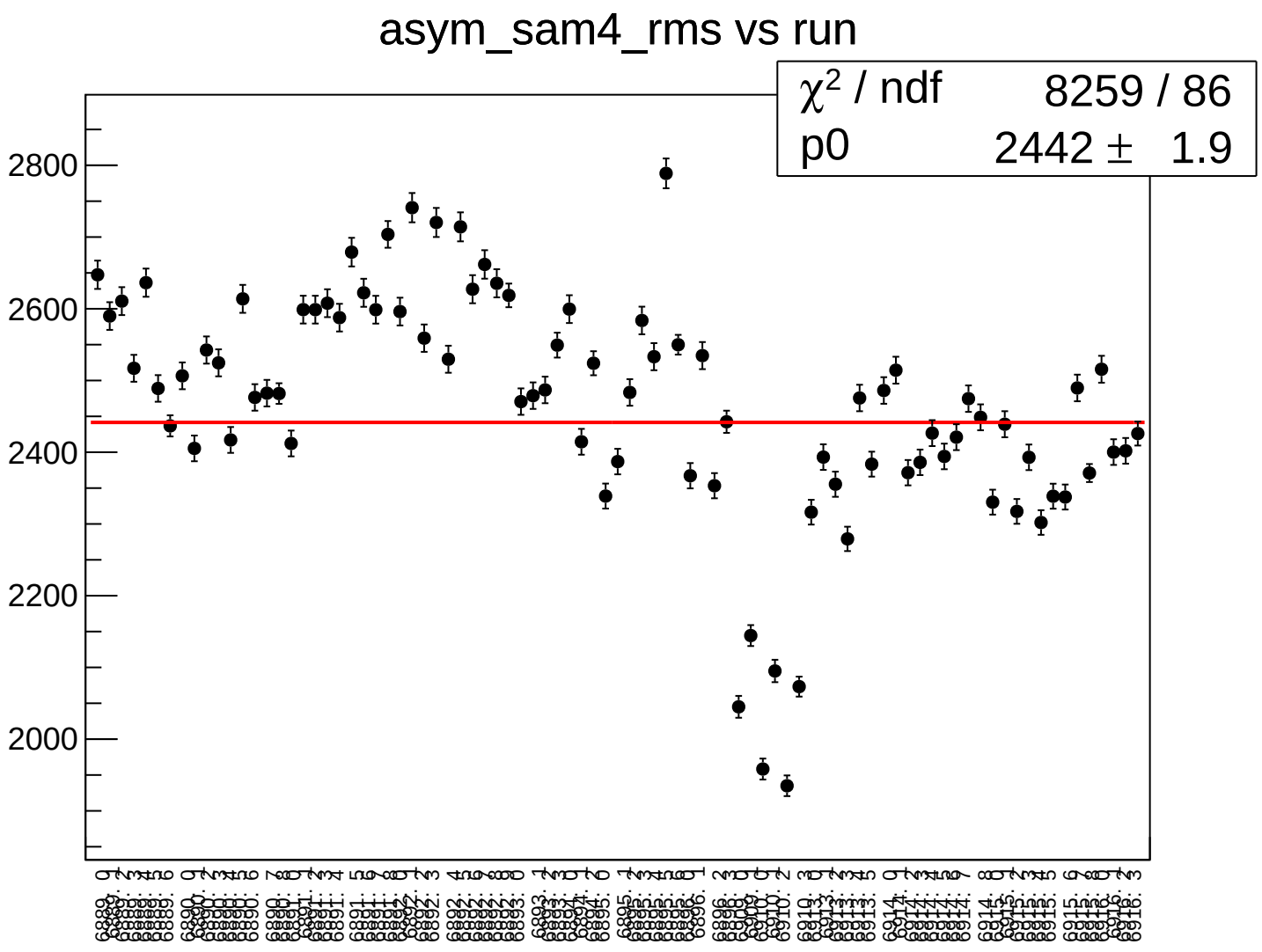

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 72.54 / 86
p0 −220.9 ± 2678
pull
Entries 87
Mean −190.6
Std Dev 227.9

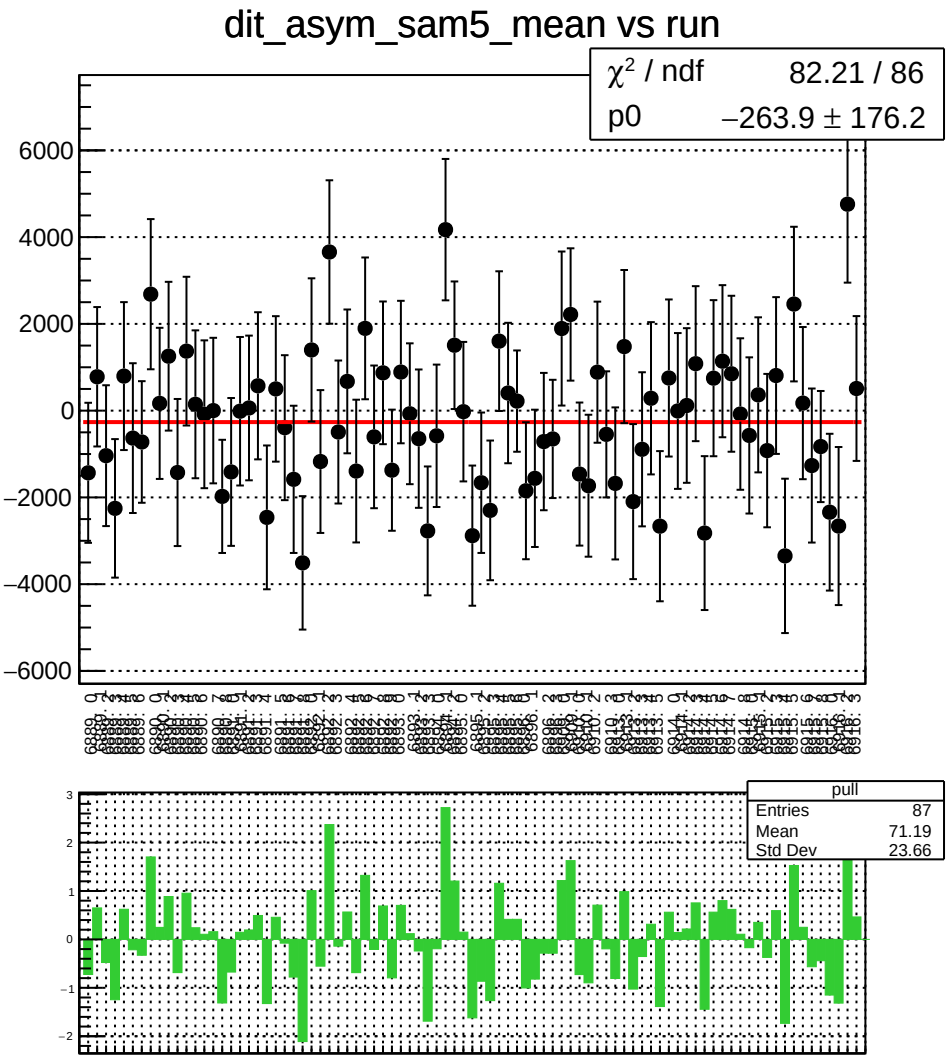

pull1D
Entries 87
Mean 0.01778
Std Dev 0.9129

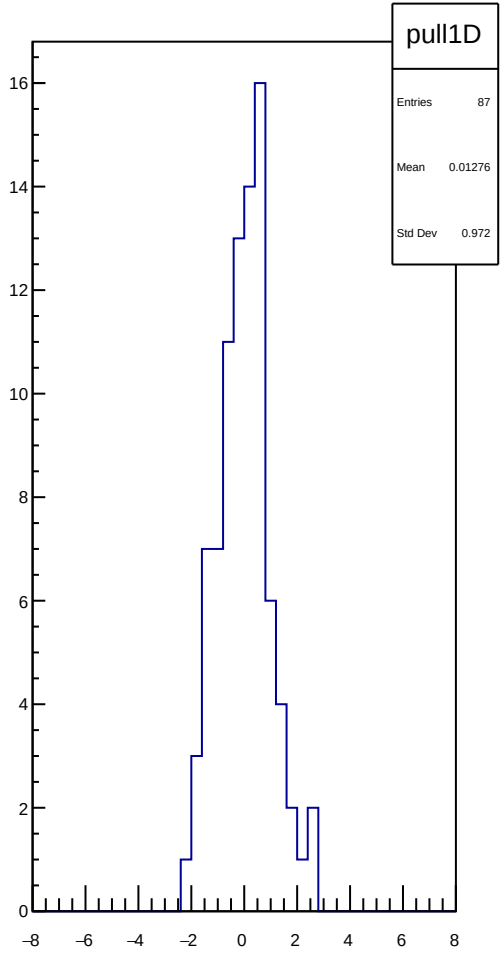

asym_sam4_correction_rms vs run
χ^2 / ndf 8177 / 86
p0 2433 ± 1.894
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900


asym_sam4_mean vs run
χ^2 / ndf 70.96 / 86
p0 −229.1± 2688
×10^3
100
50
0
−50
−100
pull
Entries 87
Mean −212.5
Std Dev 250.1
2
1
0
−1
−2
−3

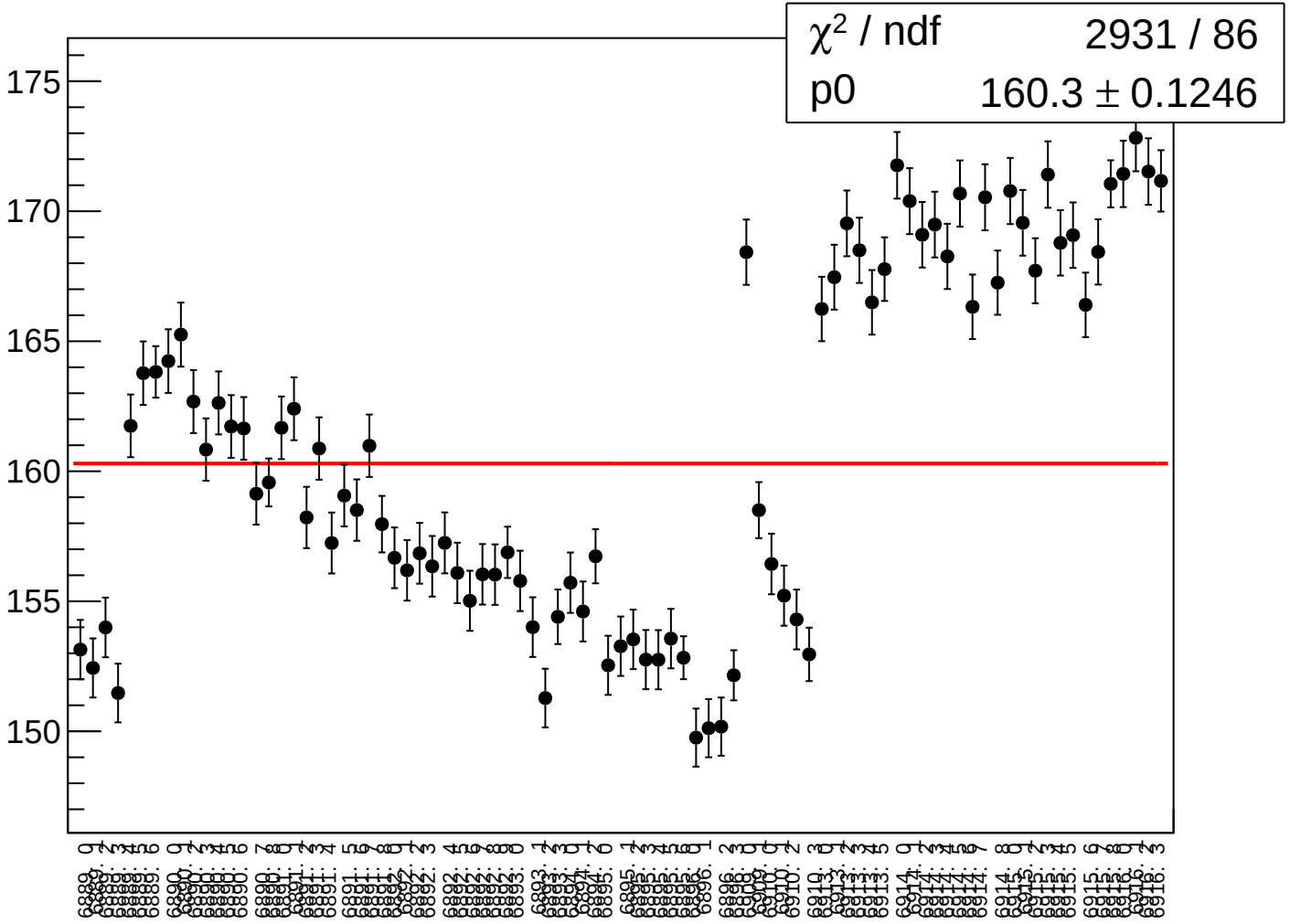

pull1D
Entries 87
Mean −0.01693
Std Dev 0.903
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

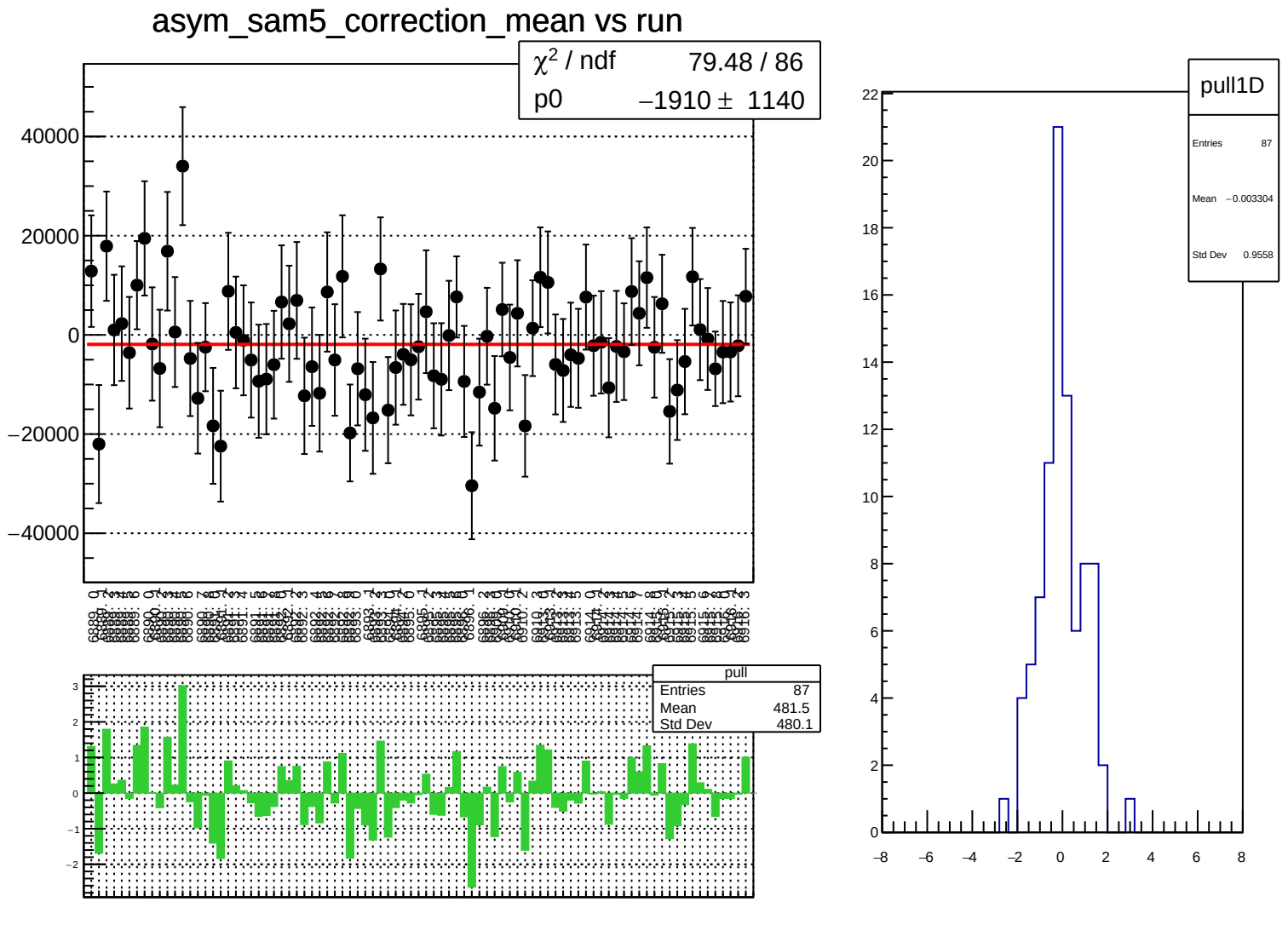

asym_sam4_rms vs run
χ² / ndf 8259 / 86
p0 2442 ± 1.9
2800
2600
2400
2200
2000


dit_asym_sam5_mean vs run
χ² / ndf 82.21 / 86
p0 −263.9 ± 176.2
pull
Entries 87
Mean 71.19
Std Dev 23.66

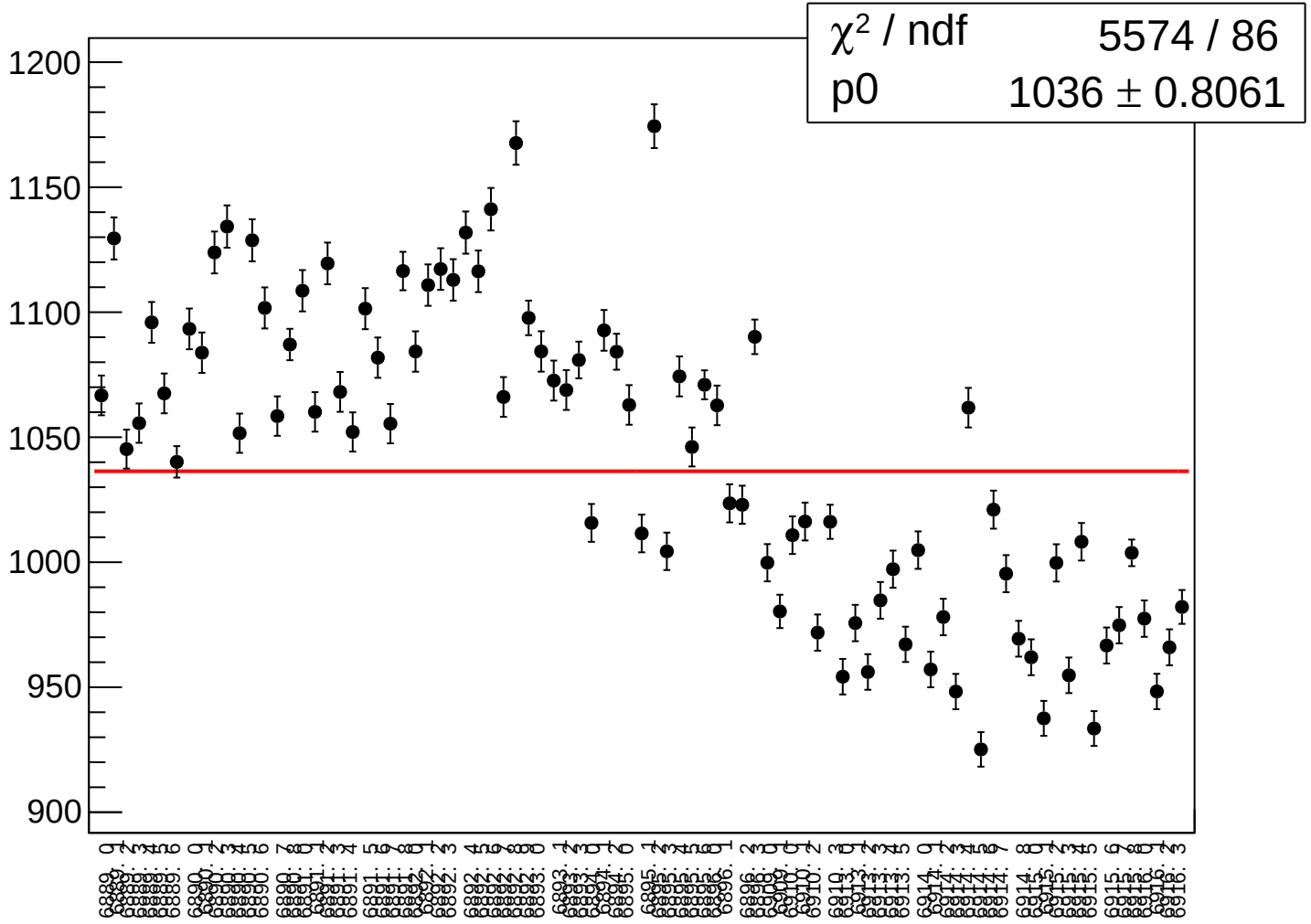

pull1D
Entries 87
Mean 0.01276
Std Dev 0.972

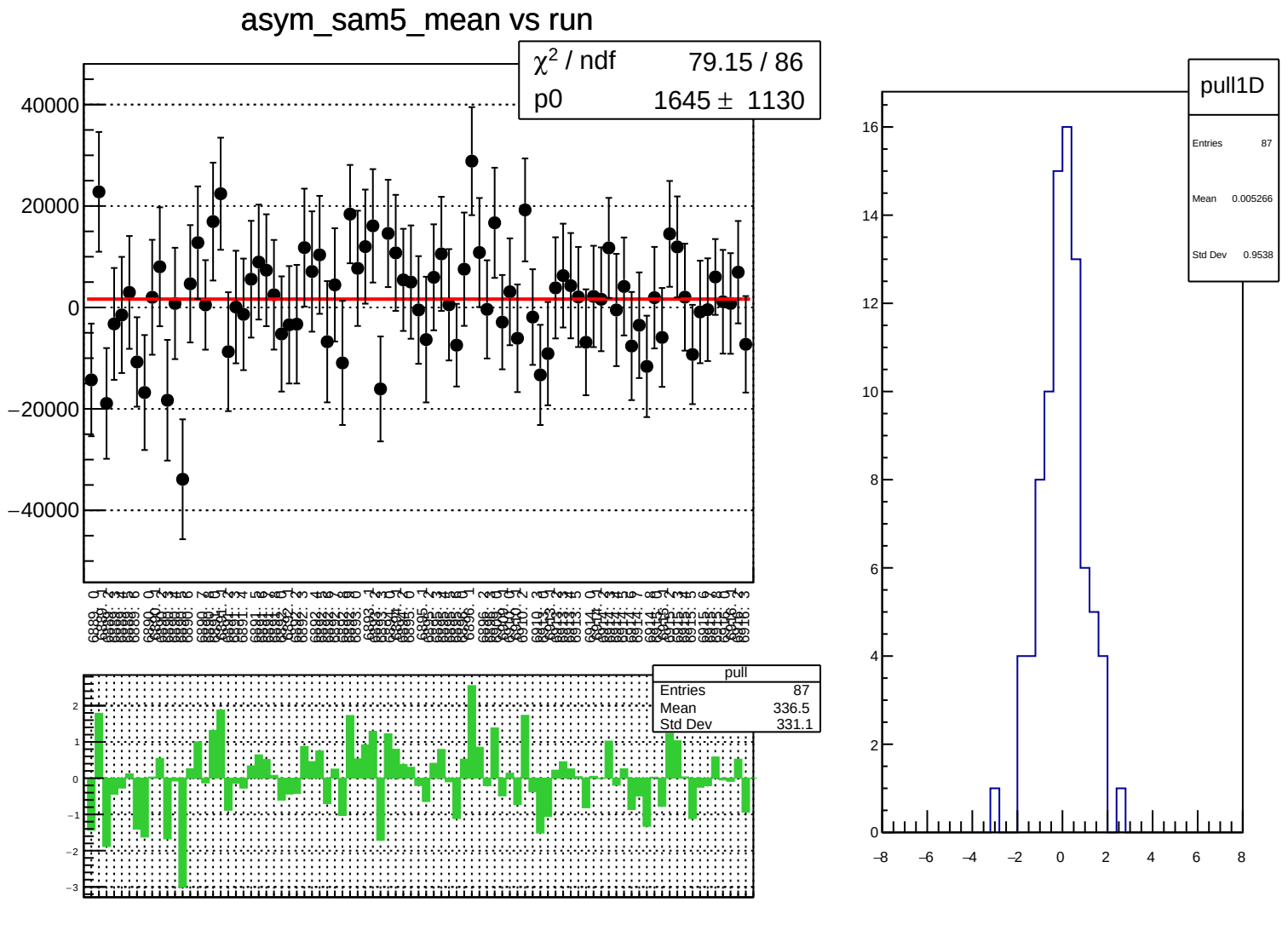
dit_asym_sam5_rms vs run

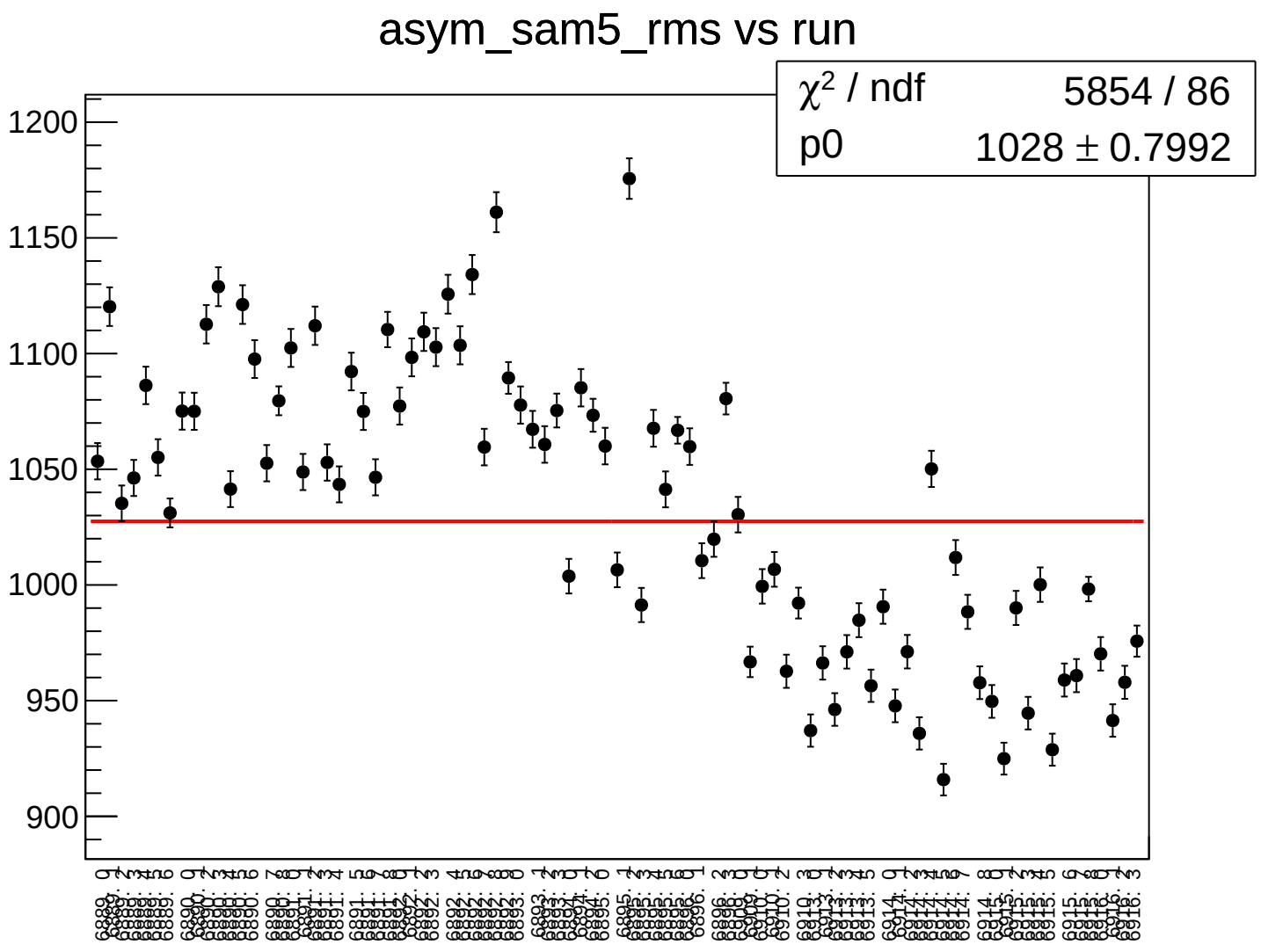


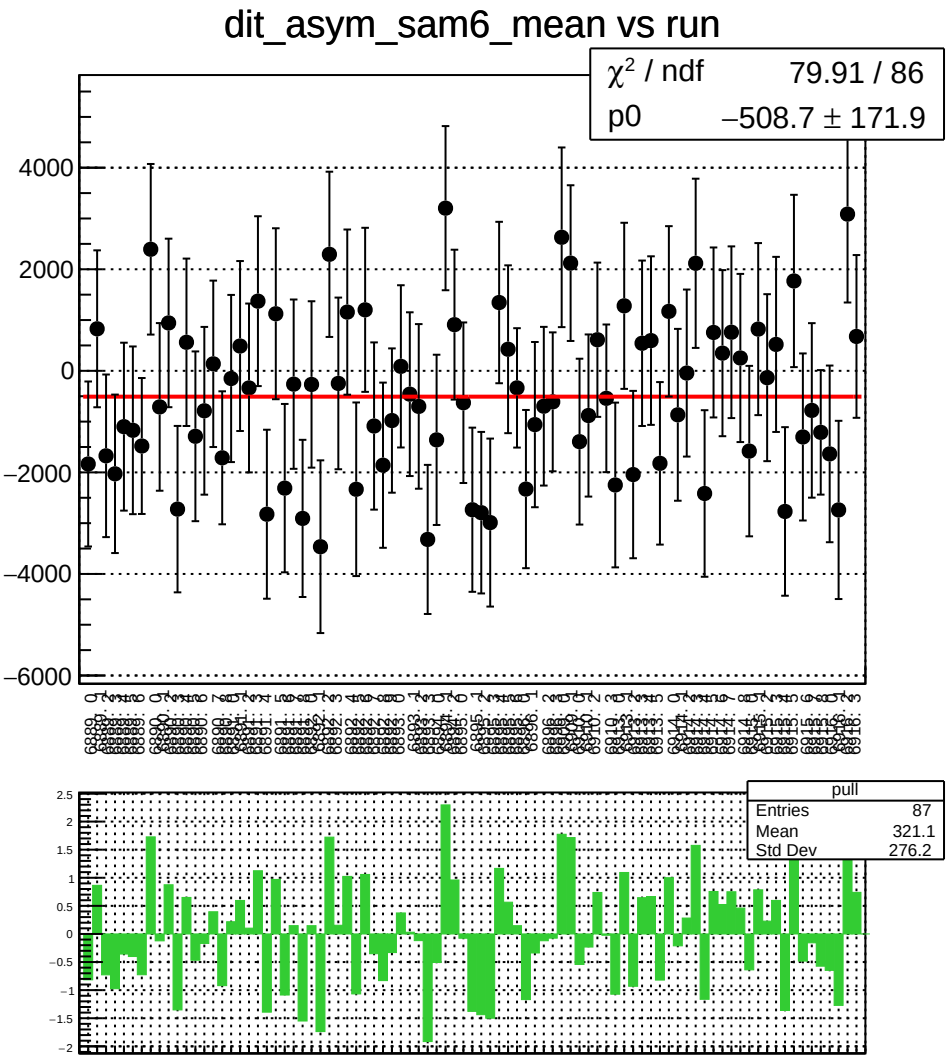

asym_sam5_correction_mean vs run
χ² / ndf 79.48 / 86
p0 −1910 ± 1140
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 481.5
Std Dev 480.1
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.003304
Std Dev 0.9558
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

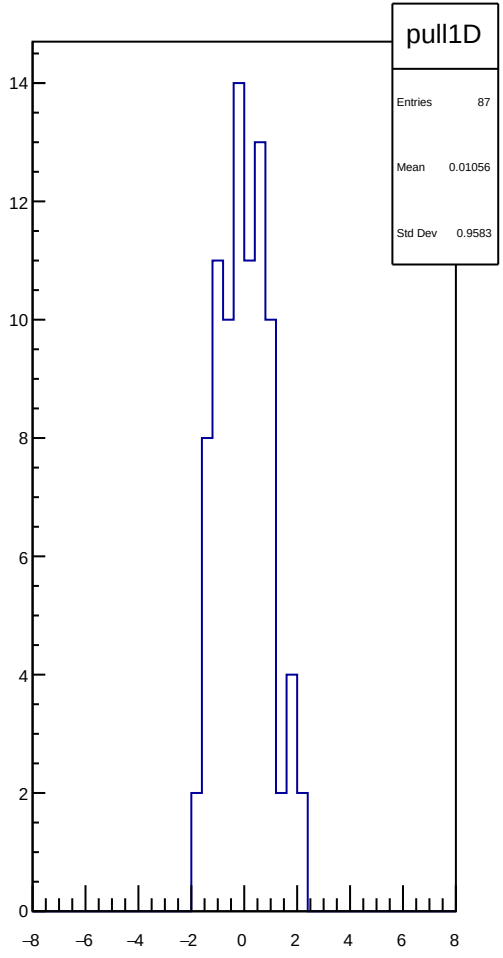
asym_sam5_correction_rms vs run



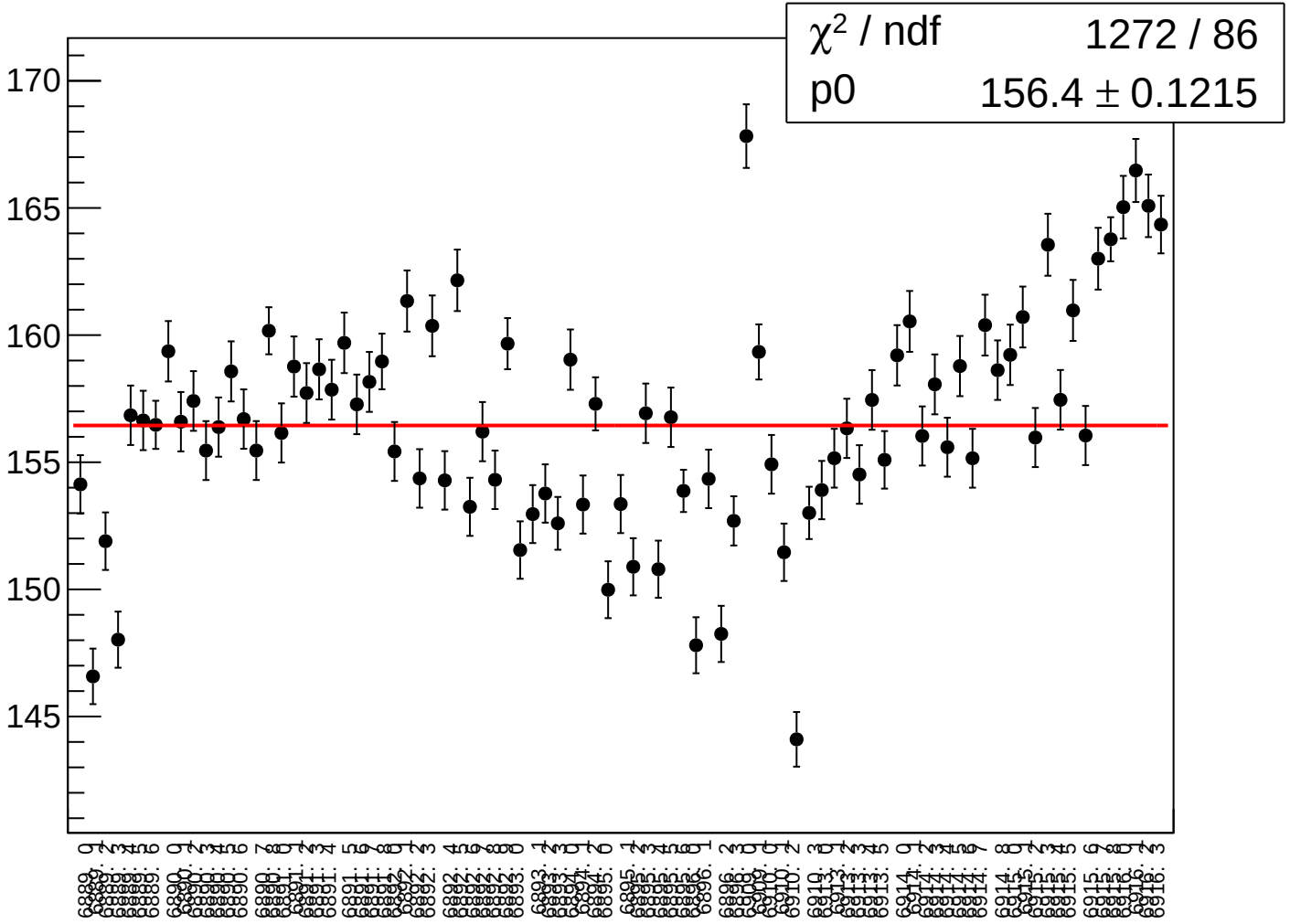

asym_sam5_mean vs run
χ^2 / ndf 79.15 / 86
p0 1645 ± 1130
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 336.5
Std Dev 331.1
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.005266
Std Dev 0.9538
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

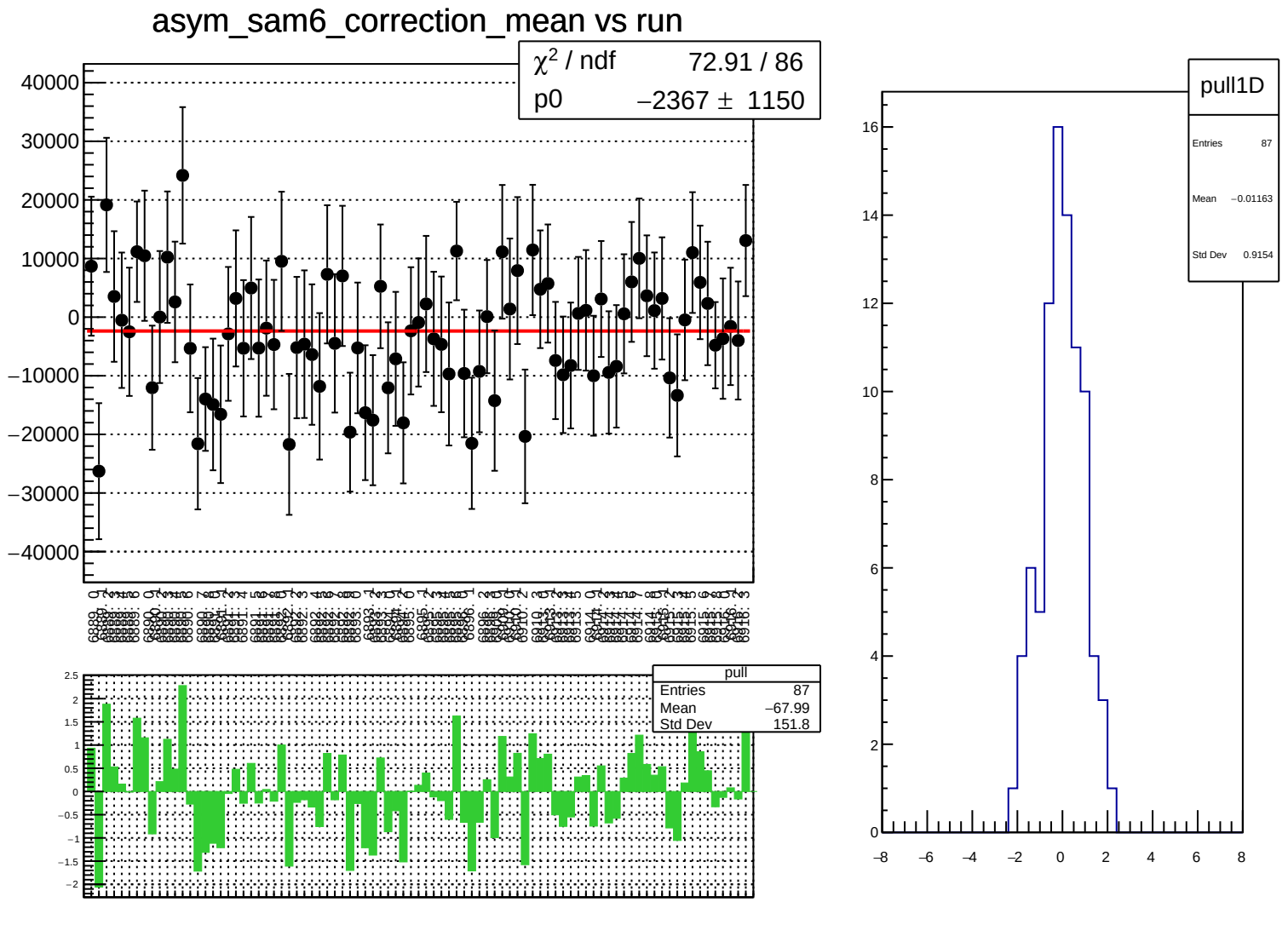

asym_sam5_rms vs run
χ^2 / ndf 5854 / 86
p0 1028 ± 0.7992
1200
1150
1100
1050
1000
950
900

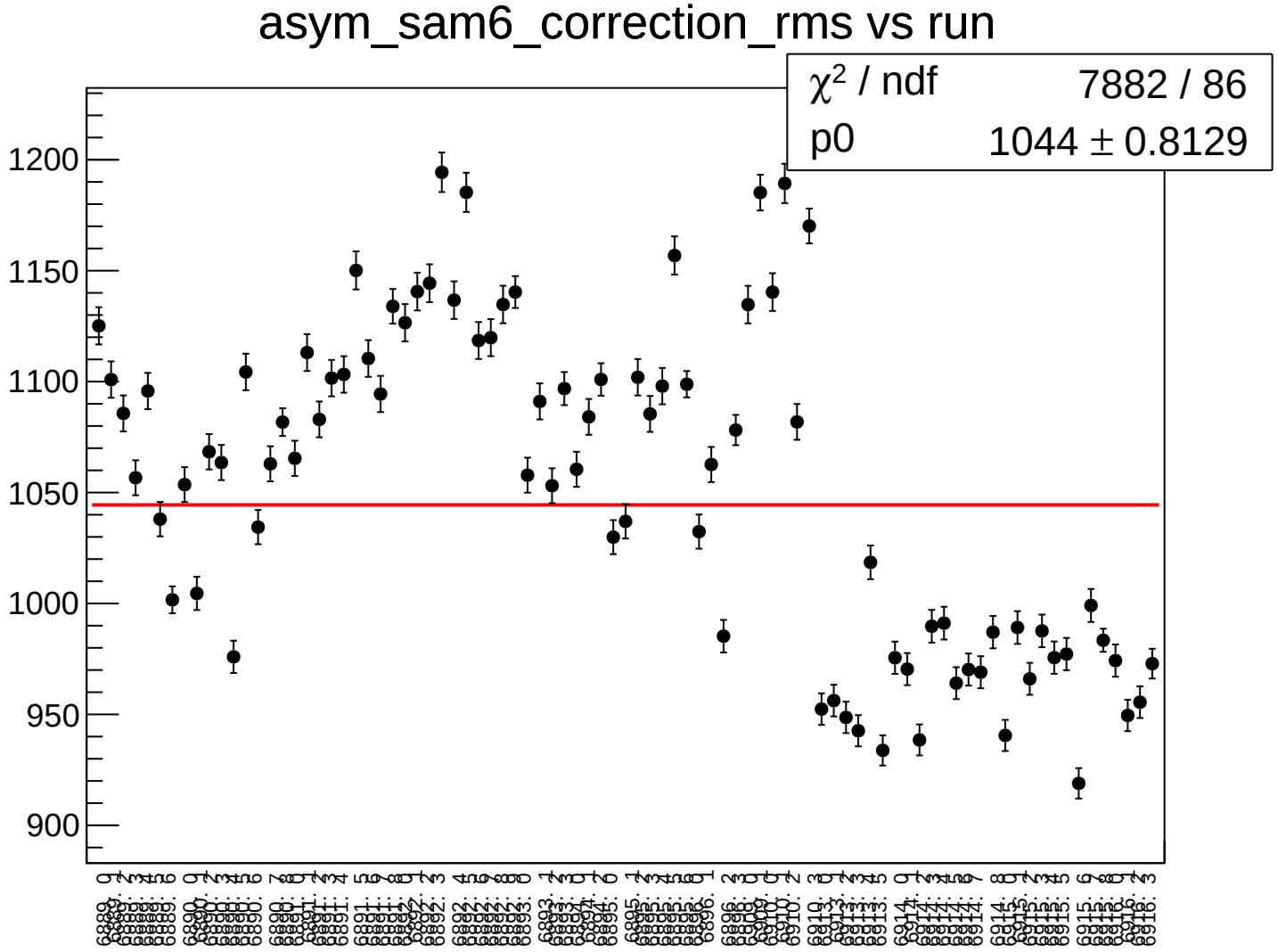

dit_asym_sam6_mean vs run
χ² / ndf 79.91 / 86
p0 −508.7 ± 171.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 321.1
Std Dev 276.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

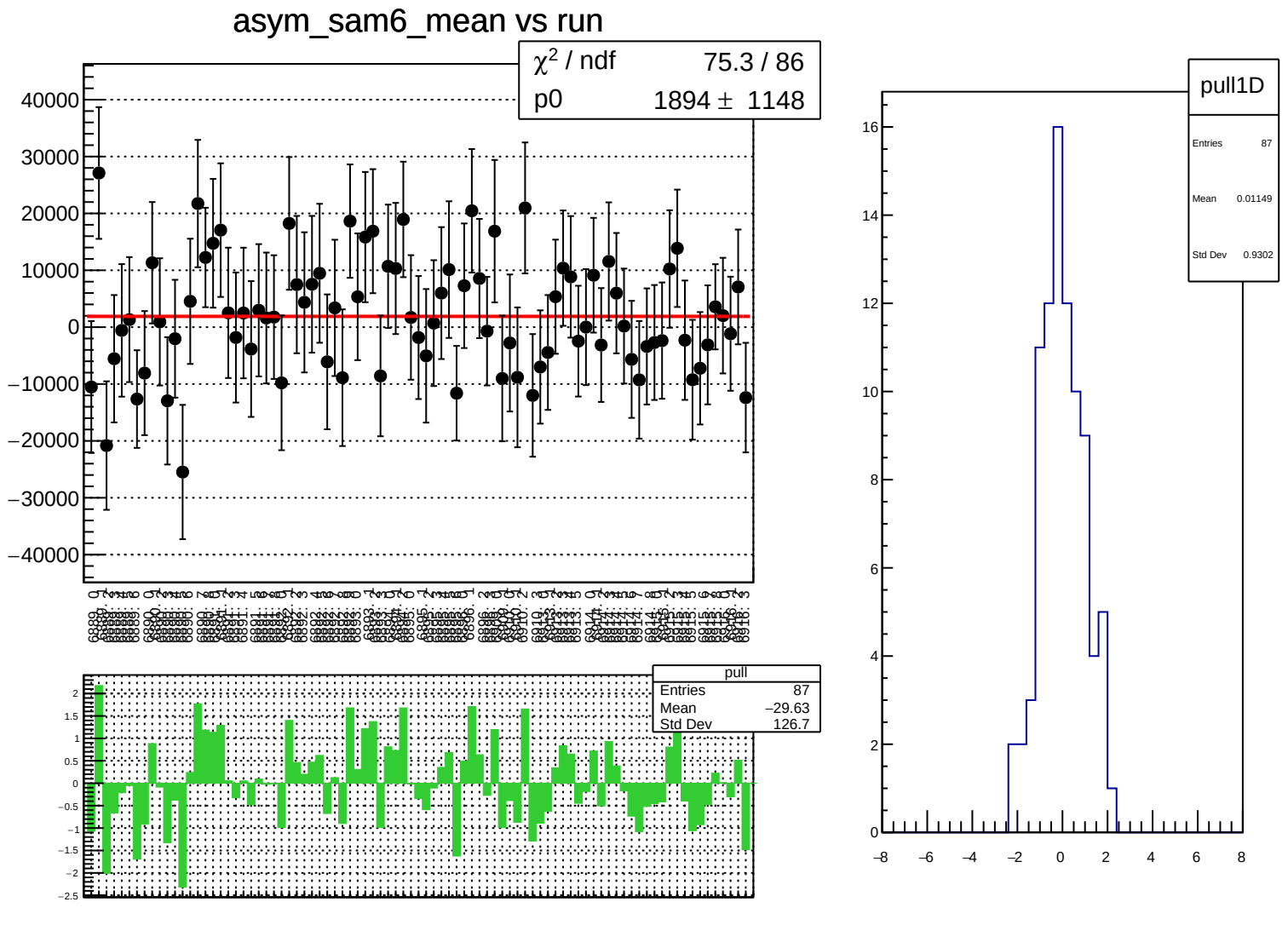

pull1D
Entries 87
Mean 0.01056
Std Dev 0.9583
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

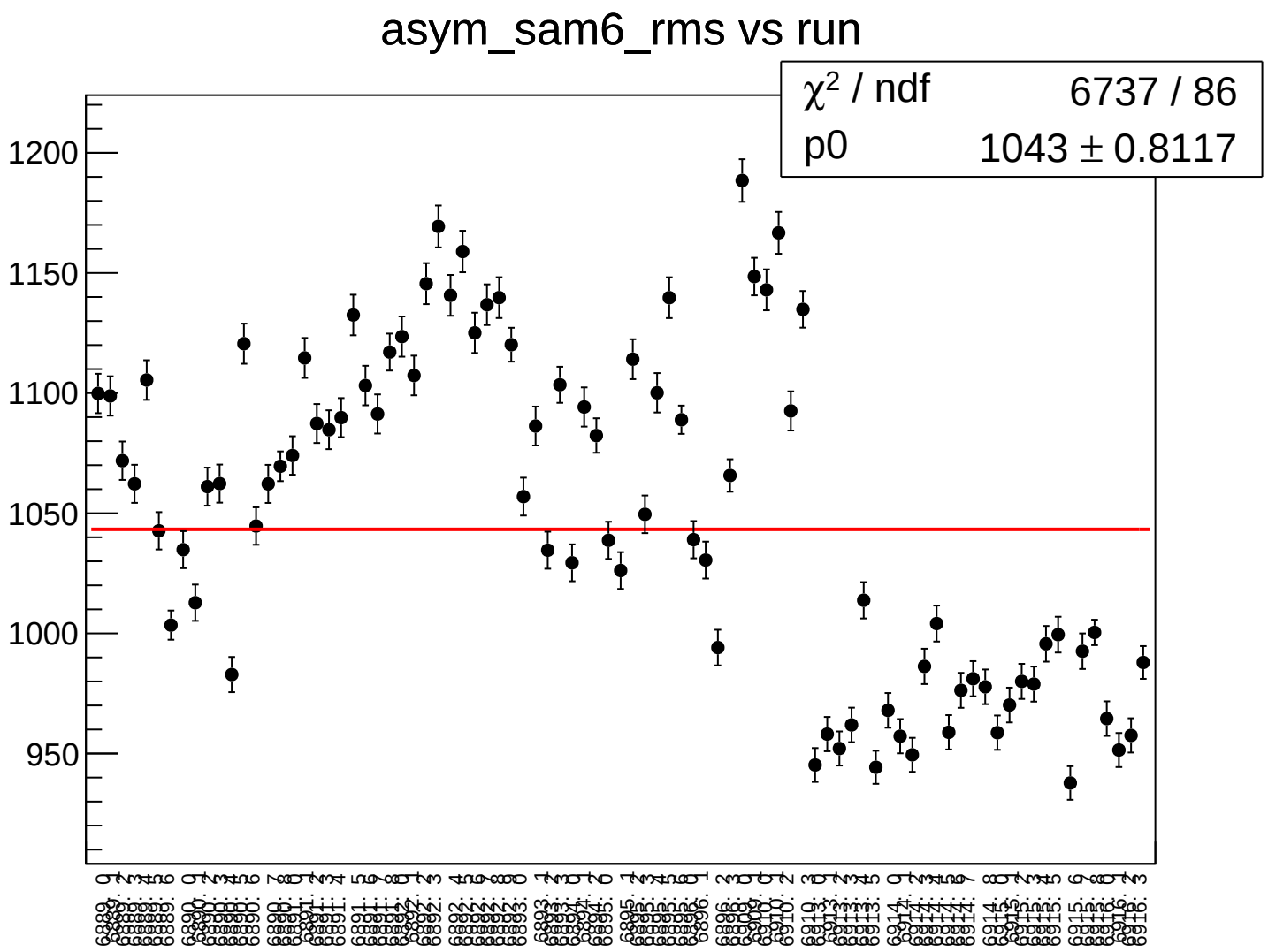
dit_asym_sam6_rms vs run

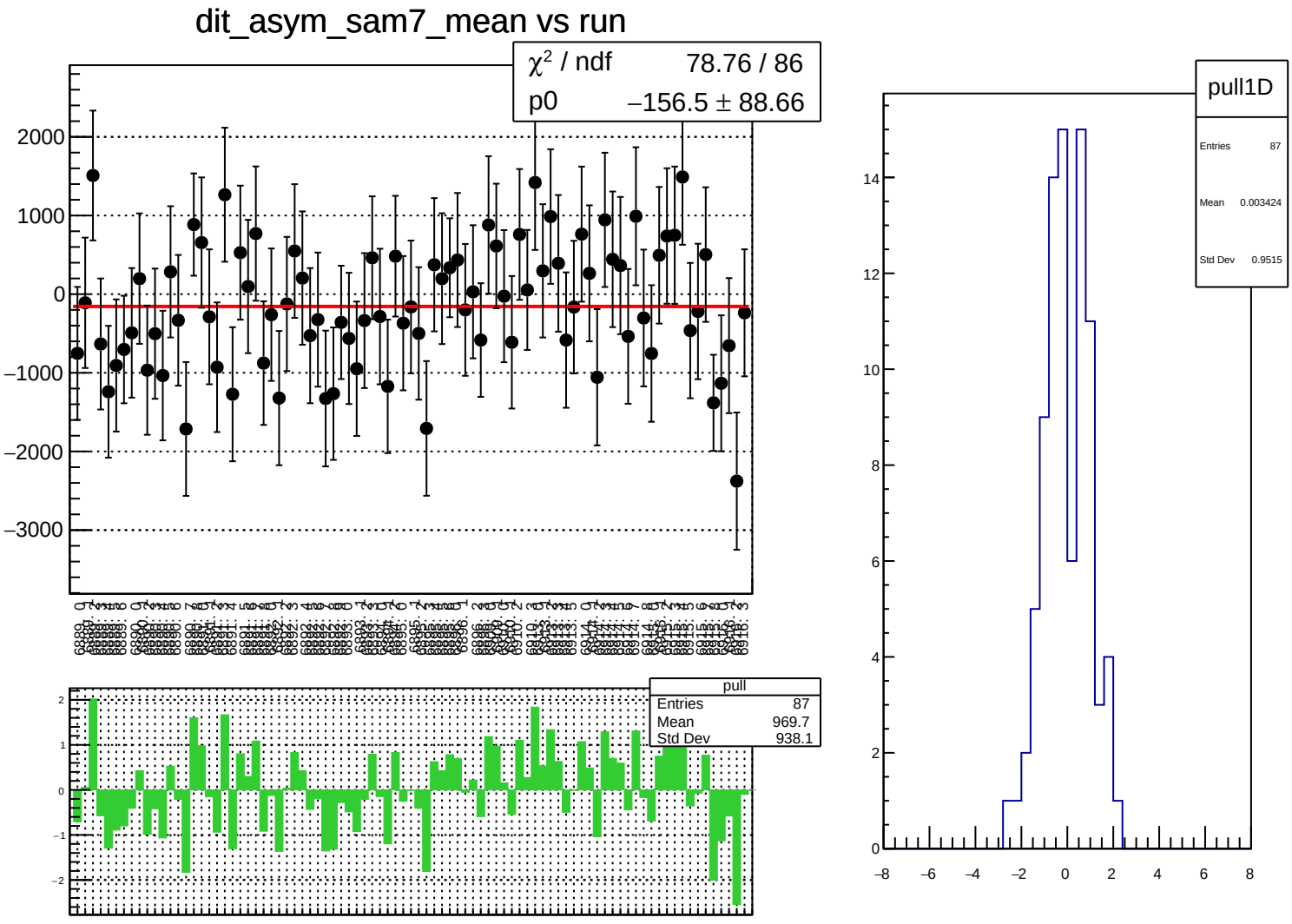


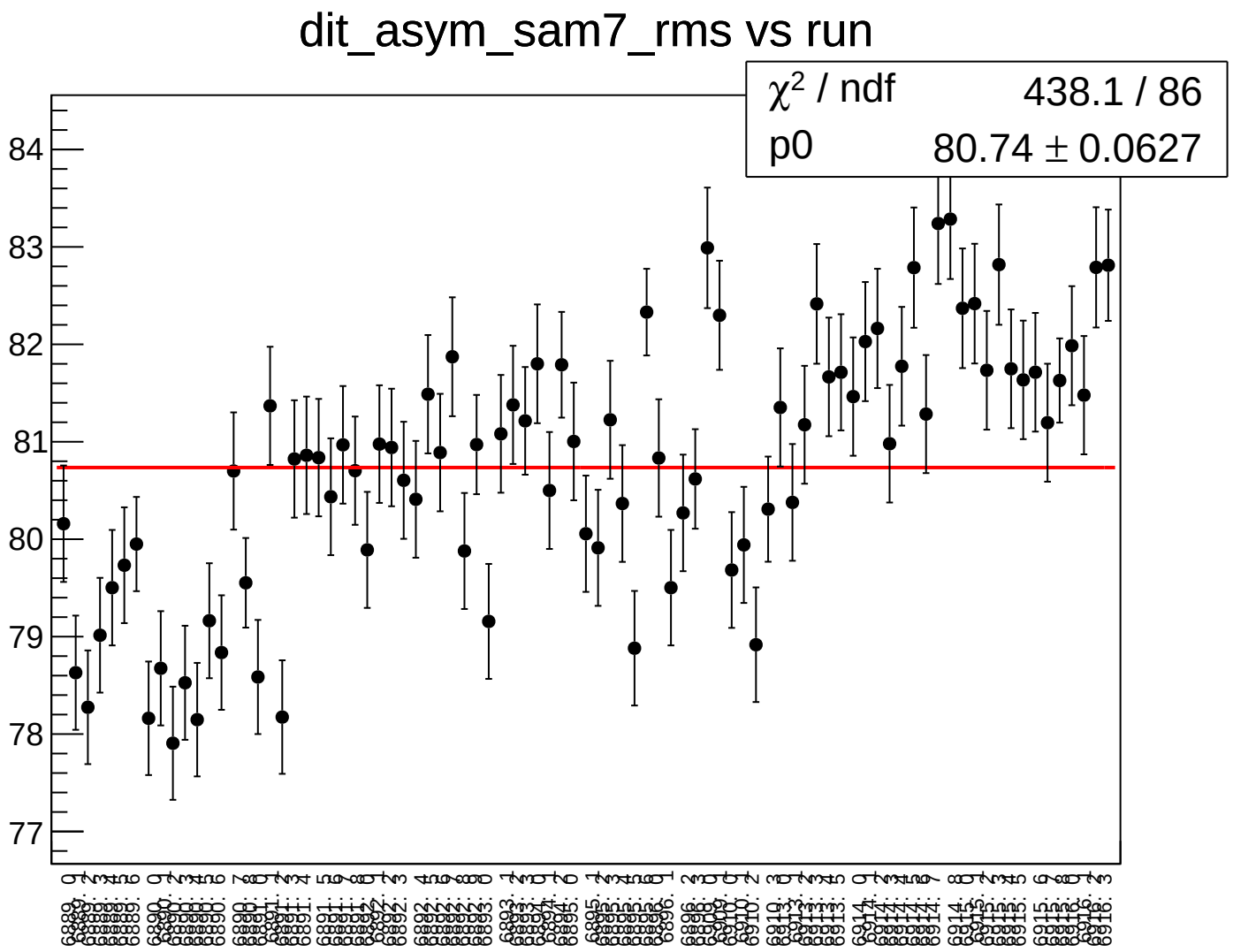

asym_sam6_correction_mean vs run
χ² / ndf 72.91 / 86
p0 −2367 ± 1150
pull
Entries 87
Mean −67.99
Std Dev 151.8
pull1D
Entries 87
Mean −0.01163
Std Dev 0.9154

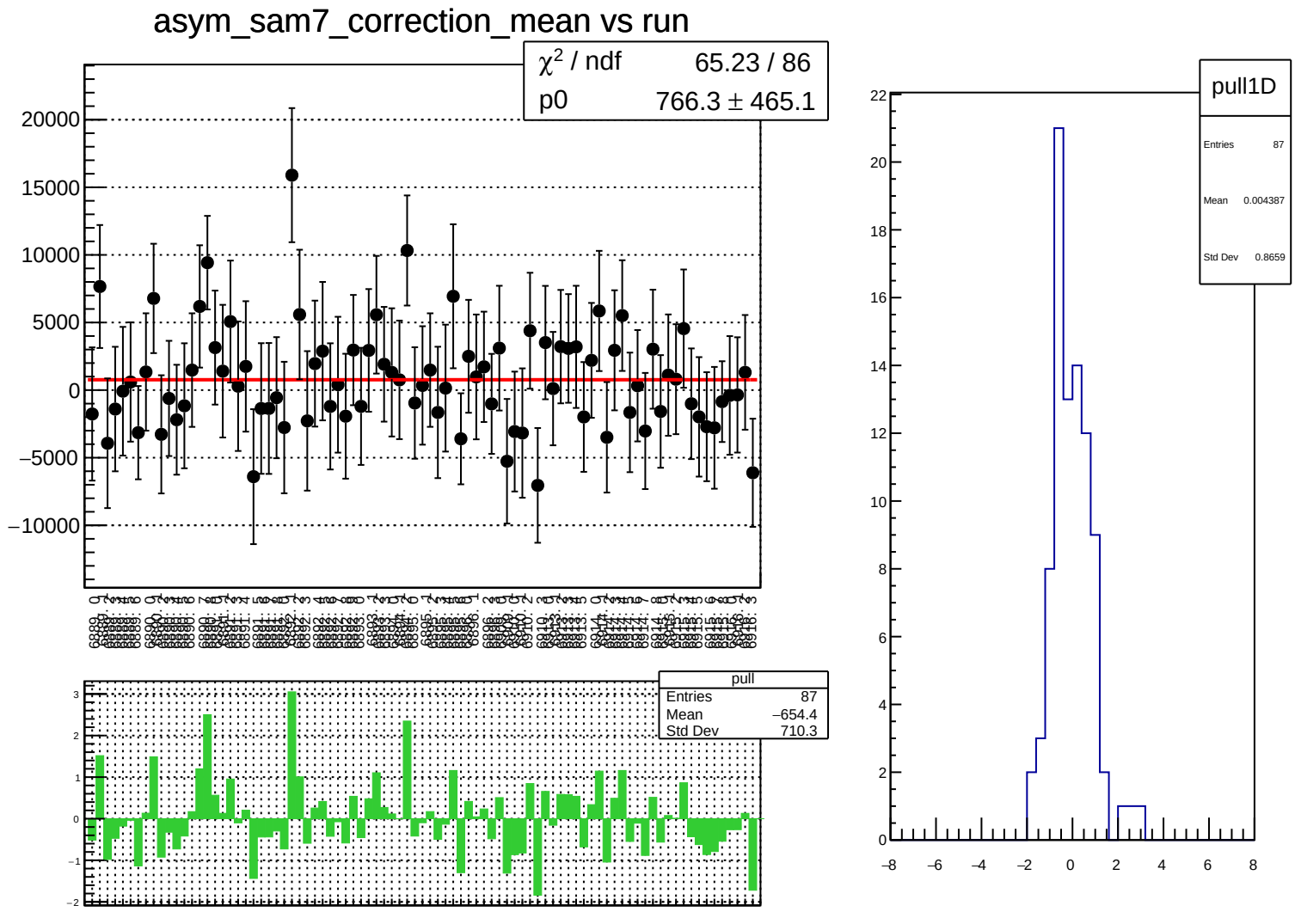

asym_sam6_correction_rms vs run
χ^2 / ndf 7882 / 86
p0 1044 ± 0.8129
1200
1150
1100
1050
1000
950
900


asym_sam6_mean vs run
χ² / ndf 75.3 / 86
p0 1894 ± 1148
pull
Entries 87
Mean −29.63
Std Dev 126.7
pull1D
Entries 87
Mean 0.01149
Std Dev 0.9302

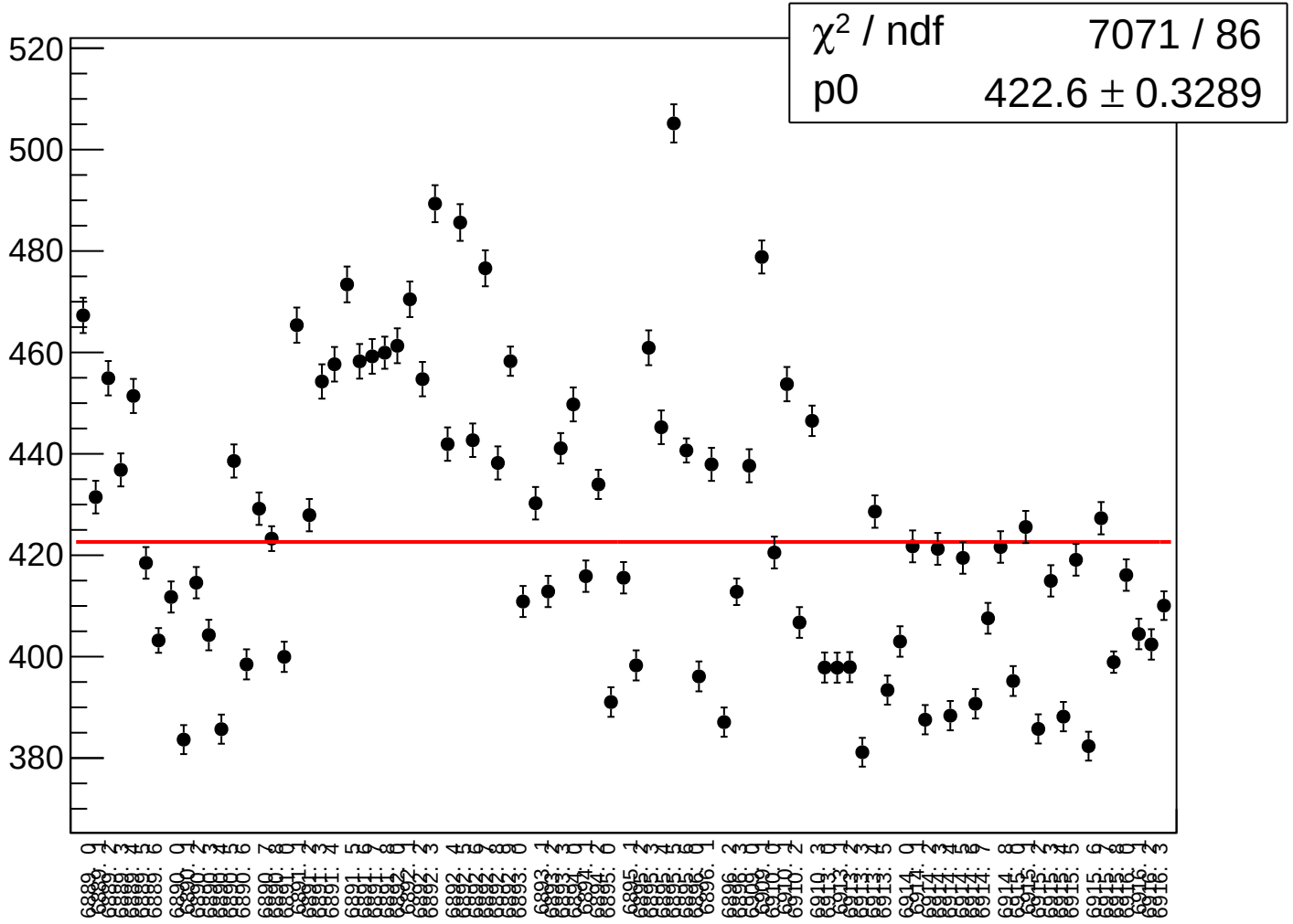

asym_sam6_rms vs run
χ² / ndf 6737 / 86
p0 1043 ± 0.8117
1200
1150
1100
1050
1000
950

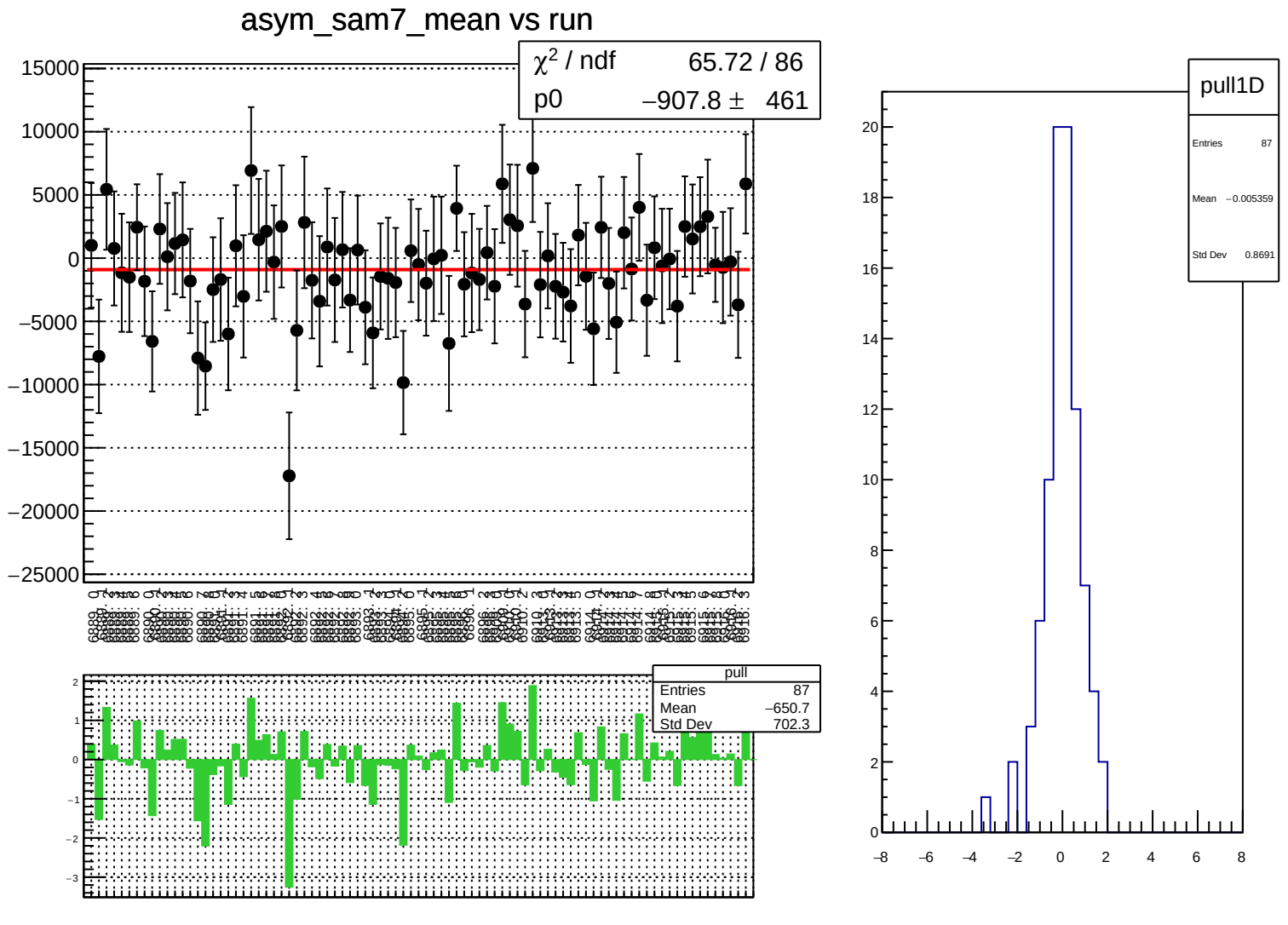

dit_asym_sam7_mean vs run
χ² / ndf 78.76 / 86
p0 −156.5 ± 88.66
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 969.7
Std Dev 938.1
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.003424
Std Dev 0.9515
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

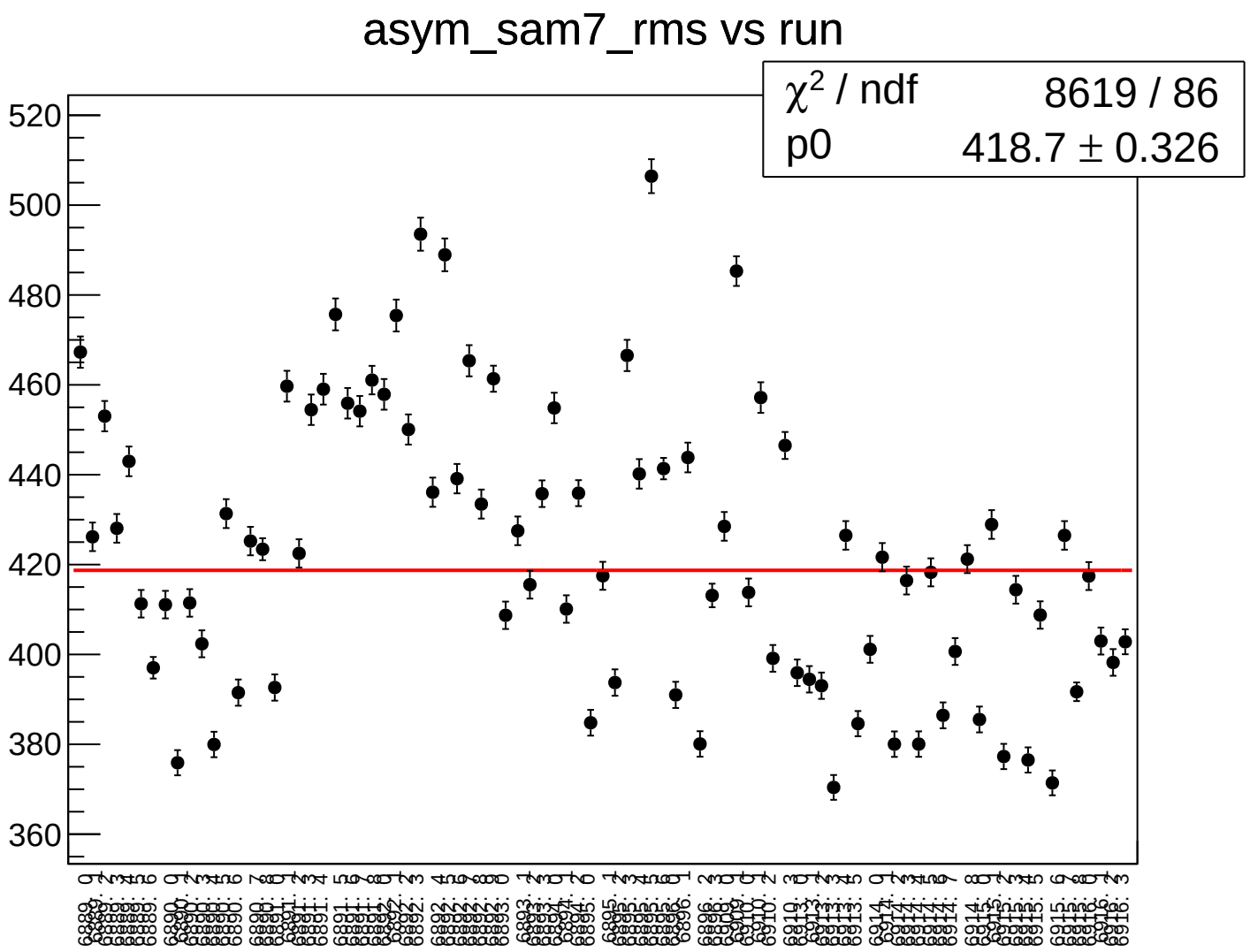

dit_asym_sam7_rms vs run
χ² / ndf 438.1 / 86
p0 80.74 ± 0.0627
84
83
82
81
80
79
78
77

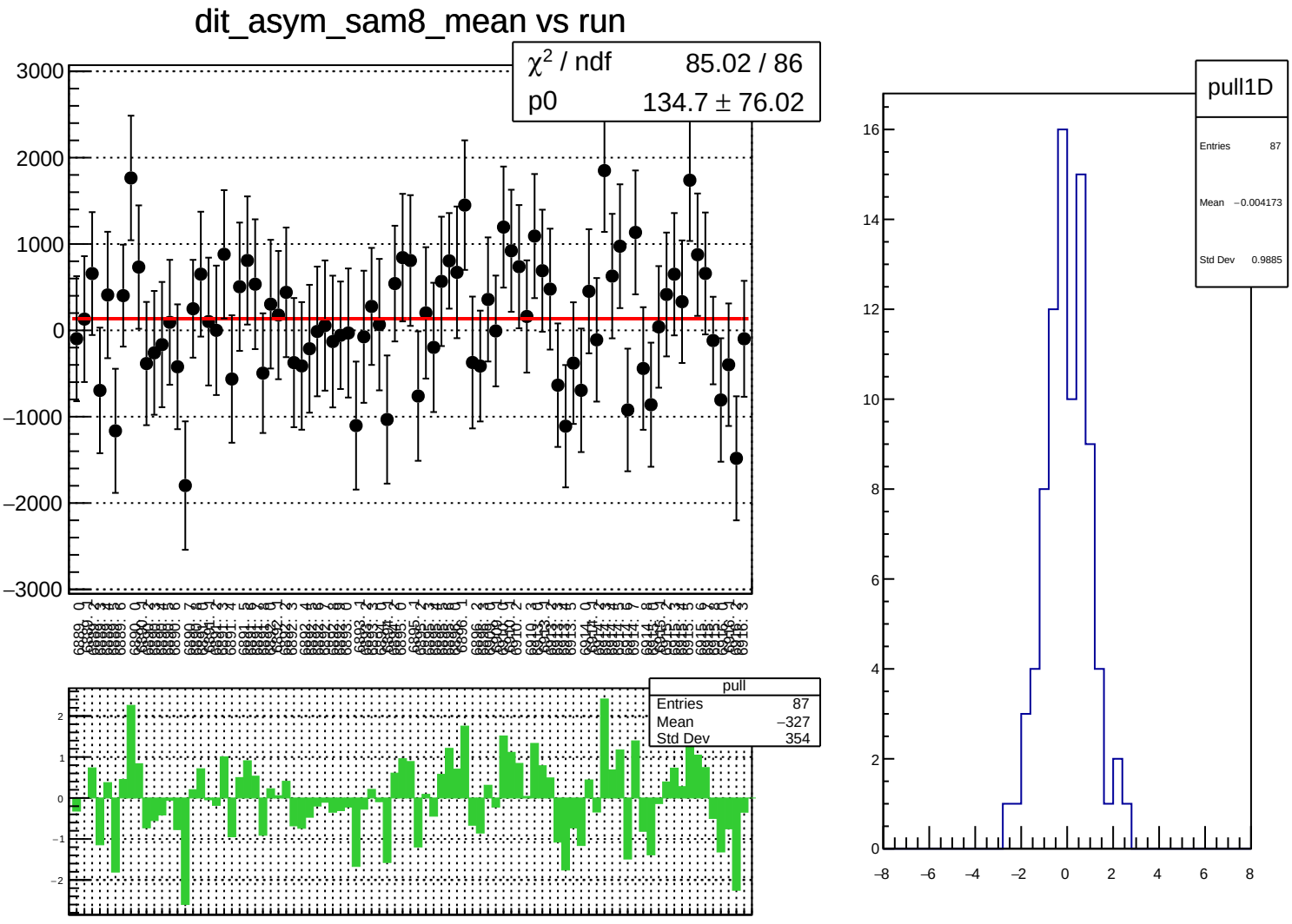

asym_sam7_correction_mean vs run
χ² / ndf 65.23 / 86
p0 766.3 ± 465.1
pull
Entries 87
Mean −654.4
Std Dev 710.3
pull1D
Entries 87
Mean 0.004387
Std Dev 0.8659

asym_sam7_correction_rms vs run

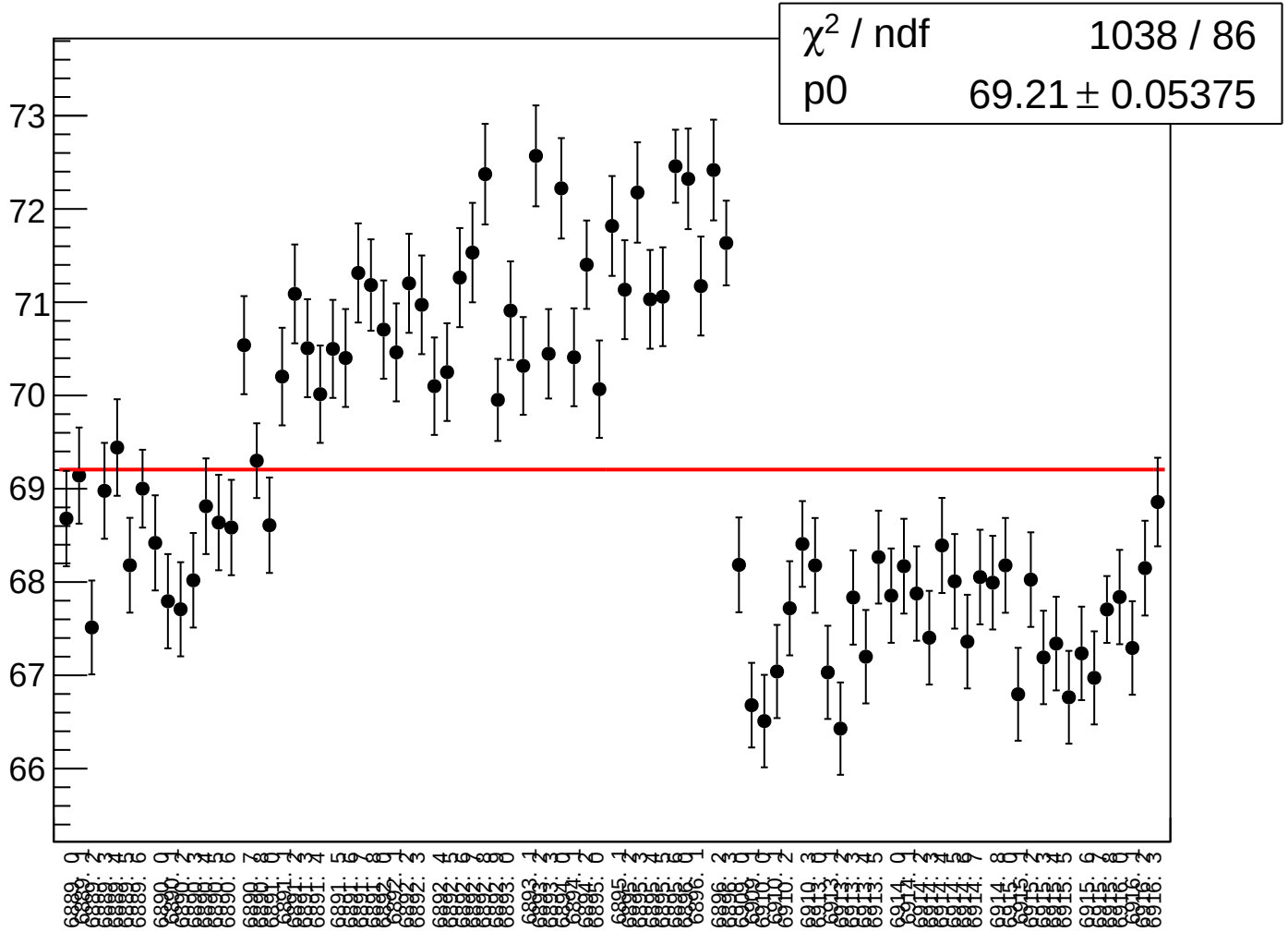


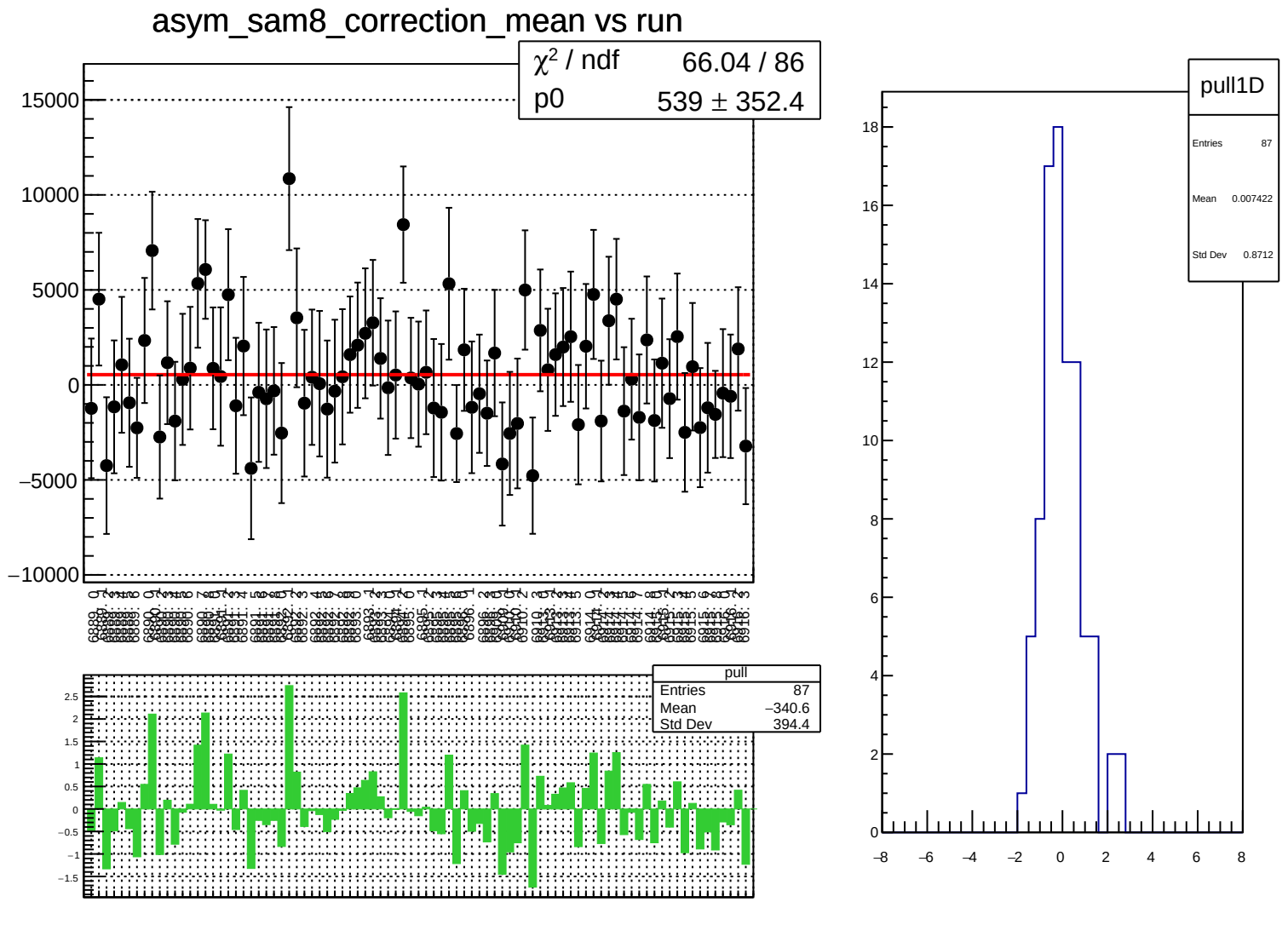

asym_sam7_mean vs run
χ² / ndf 65.72 / 86
p0 −907.8 ± 461
pull
Entries 87
Mean −650.7
Std Dev 702.3
pull1D
Entries 87
Mean −0.005359
Std Dev 0.8691


asym_sam7_rms vs run
χ^2 / ndf 8619 / 86
p0 418.7 ± 0.326
520
500
480
460
440
420
400
380
360

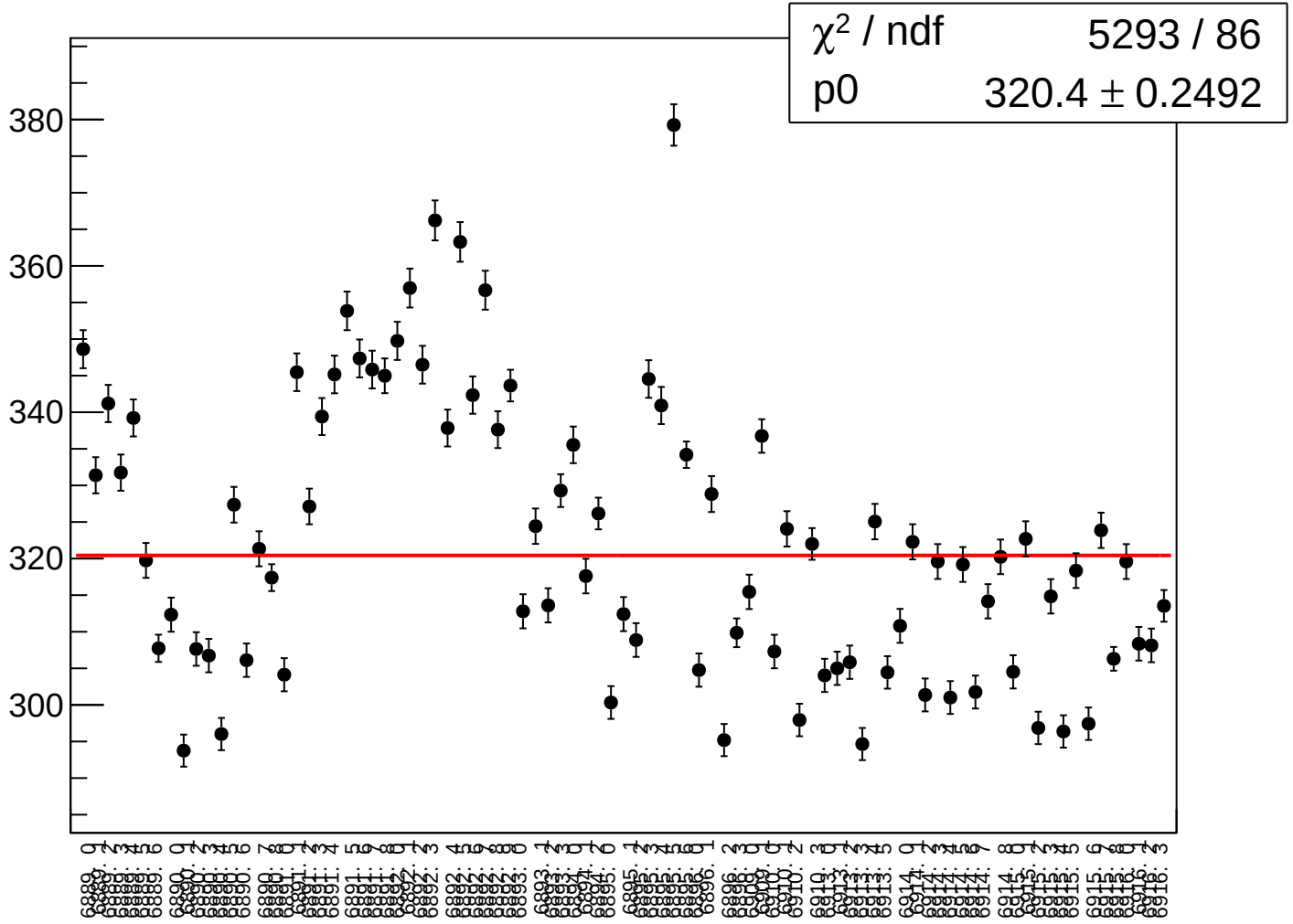

dit_asym_sam8_mean vs run
χ² / ndf 85.02 / 86
p0 134.7 ± 76.02
pull
Entries 87
Mean −327
Std Dev 354
pull1D
Entries 87
Mean −0.004173
Std Dev 0.9885

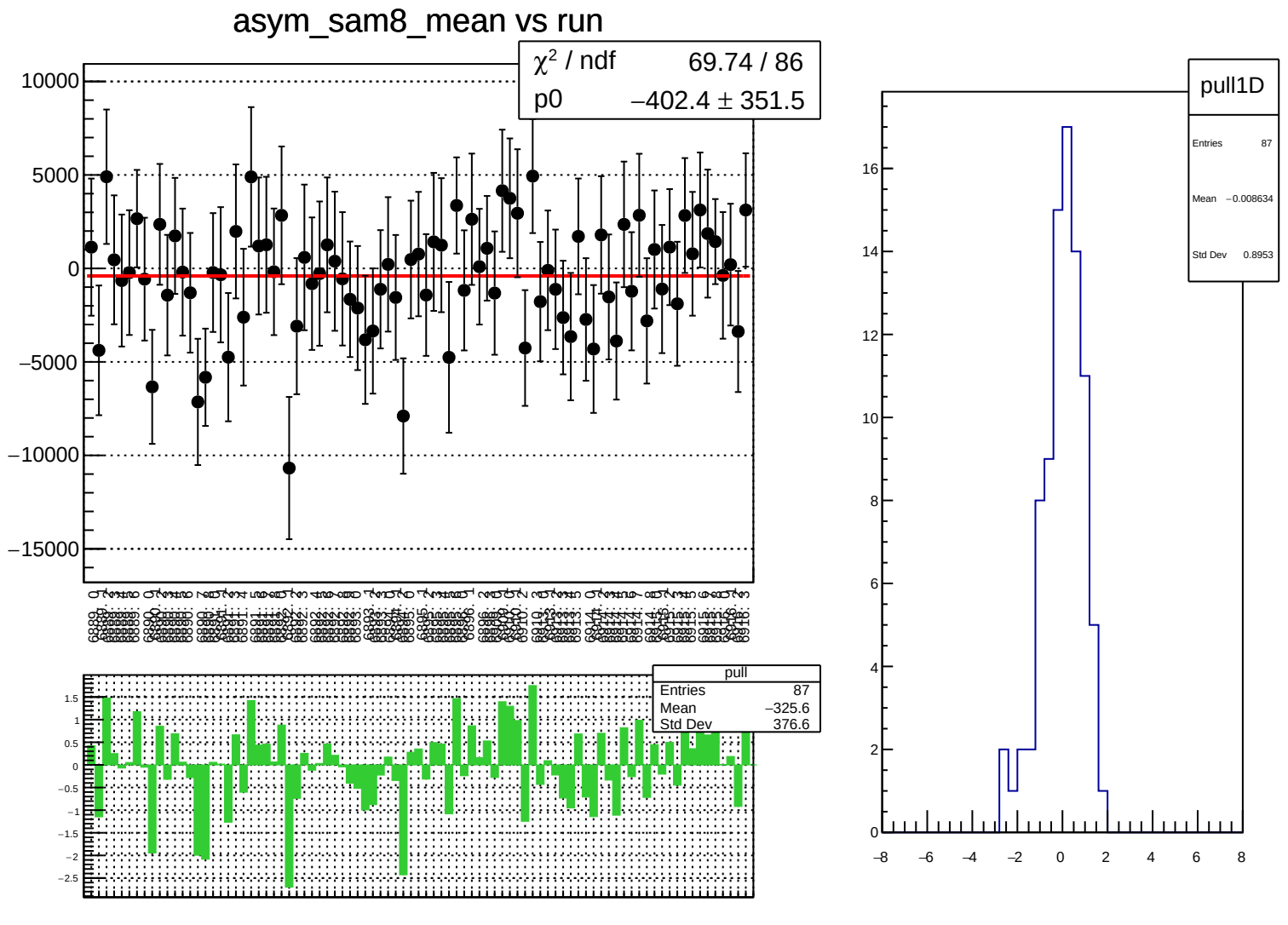
dit_asym_sam8_rms vs run



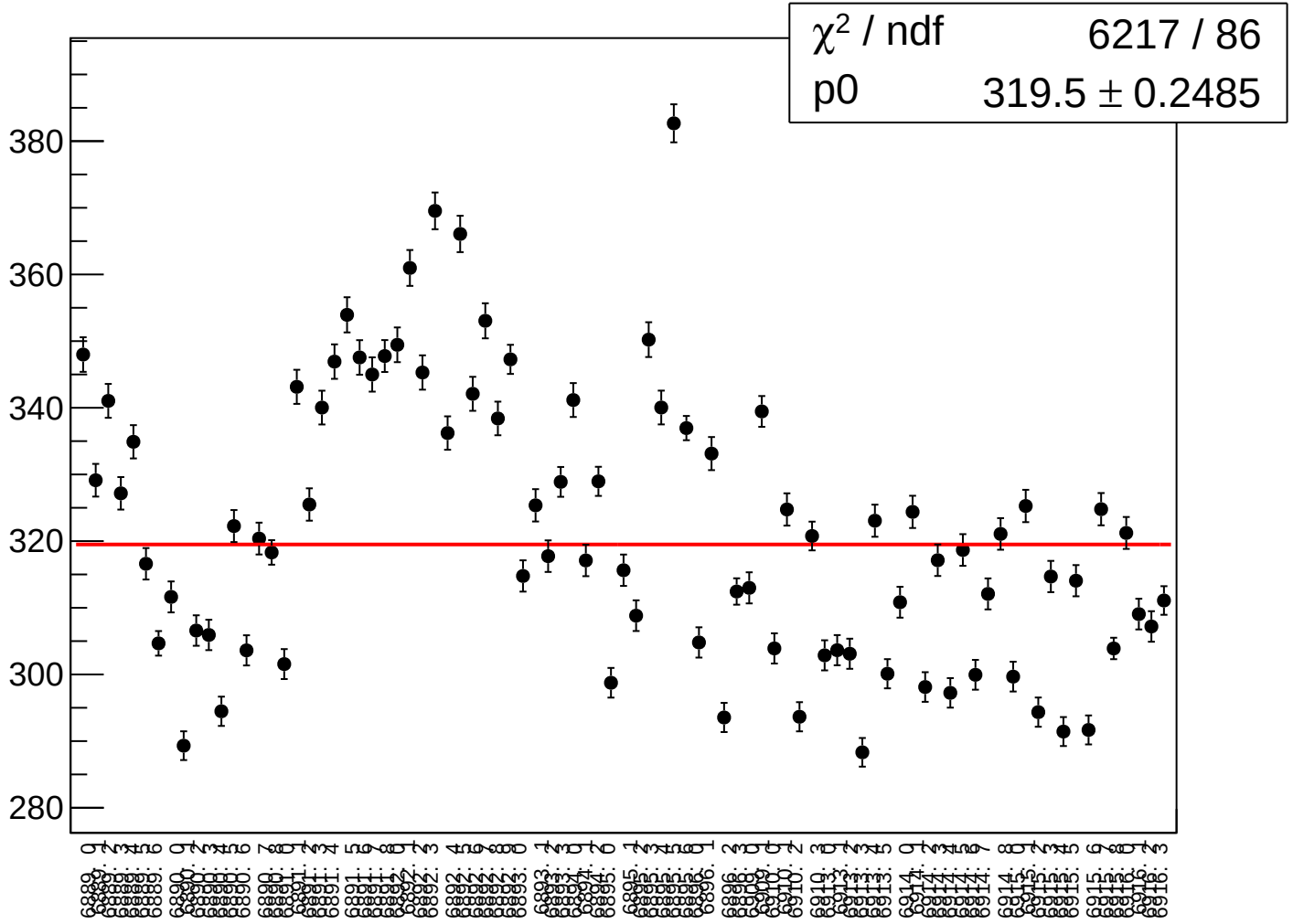

asym_sam8_correction_mean vs run
χ² / ndf 66.04 / 86
p0 539 ± 352.4
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −340.6
Std Dev 394.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.007422
Std Dev 0.8712
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

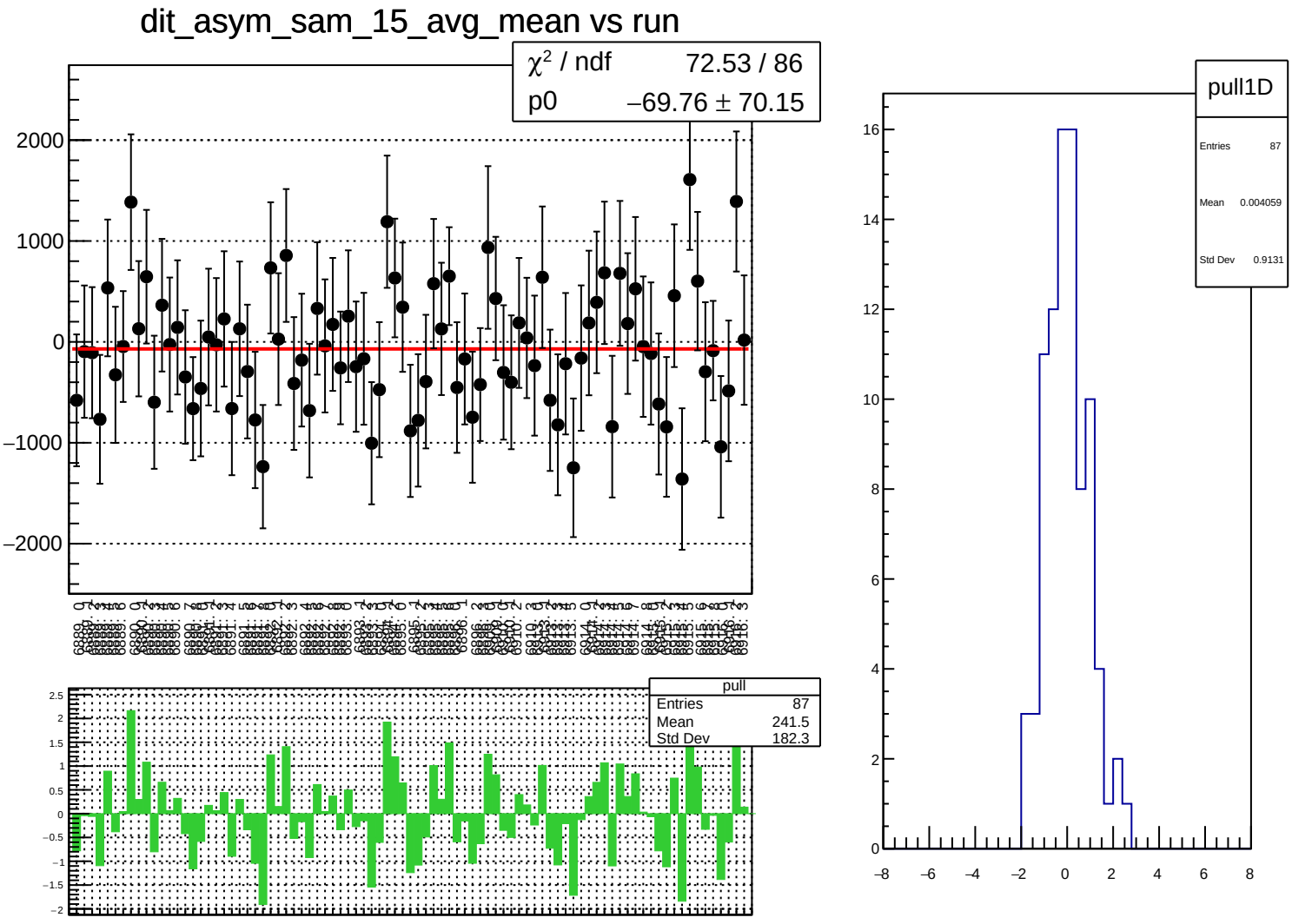
asym_sam8_correction_rms vs run



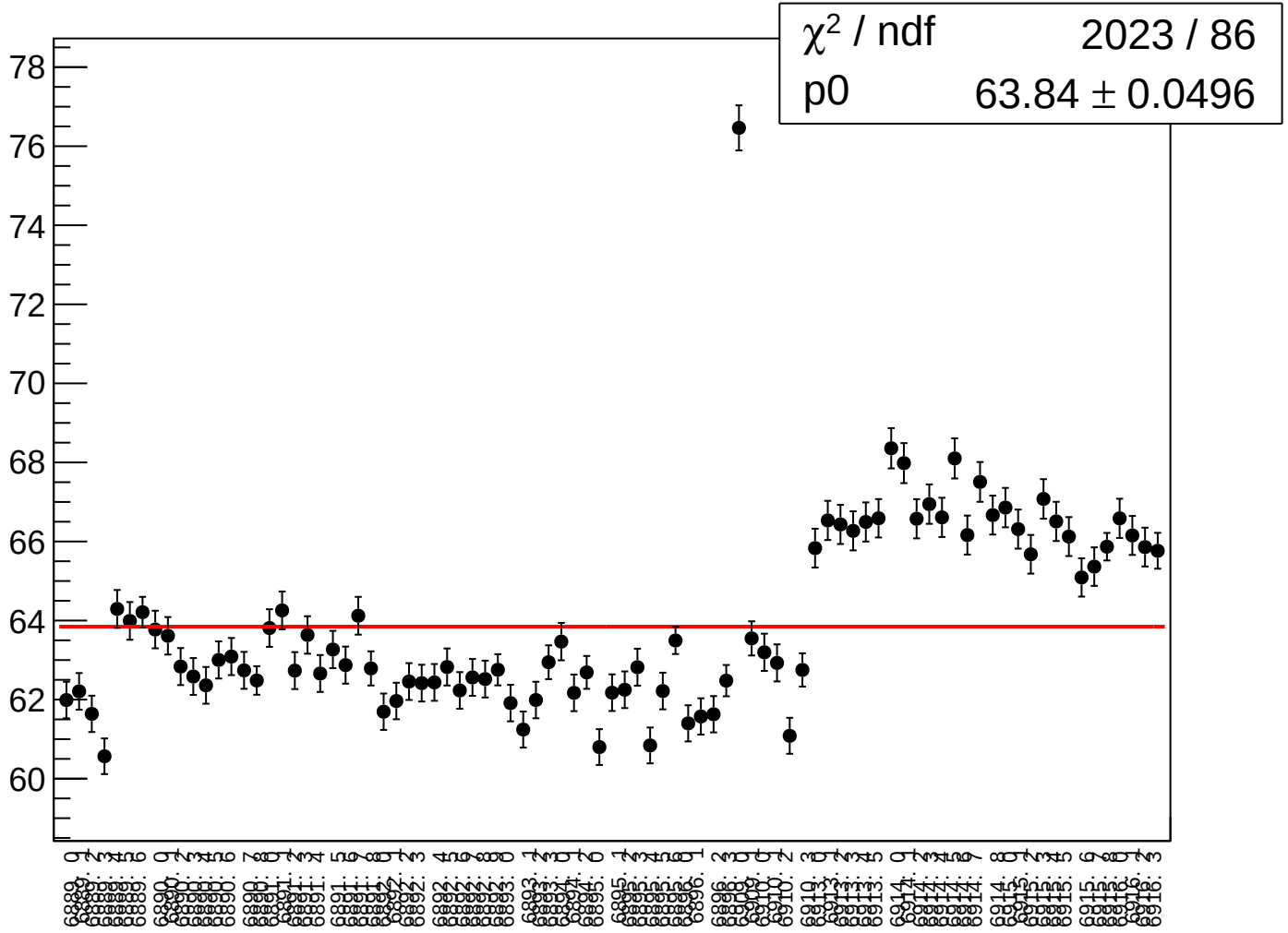

asym_sam8_mean vs run
χ² / ndf 69.74 / 86
p0 −402.4 ± 351.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −325.6
Std Dev 376.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 87
Mean −0.008634
Std Dev 0.8953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

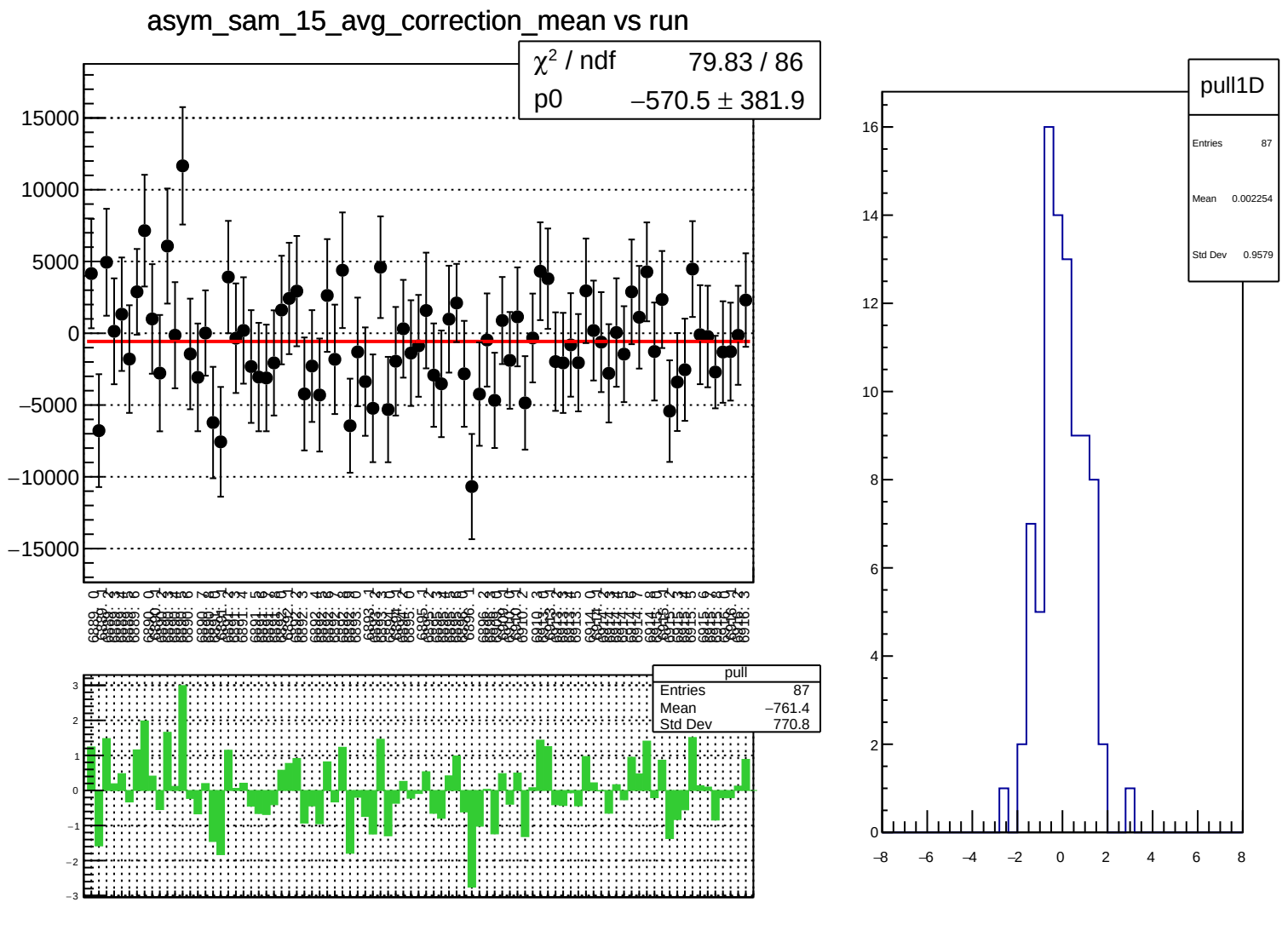
asym_sam8_rms vs run



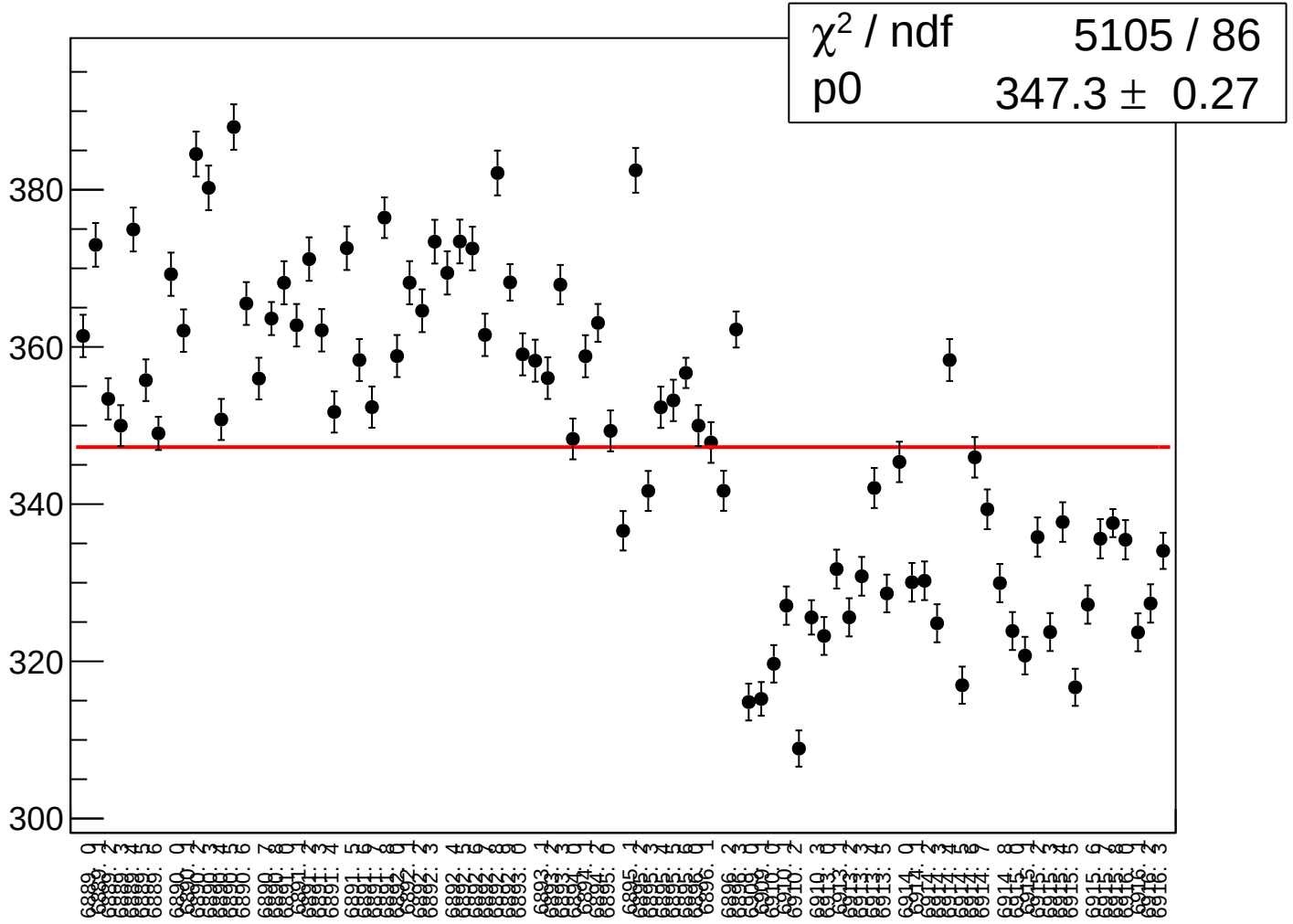

dit_asym_sam_15_avg_mean vs run
χ² / ndf 72.53 / 86
p0 −69.76 ± 70.15
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 241.5
Std Dev 182.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean 0.004059
Std Dev 0.9131
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

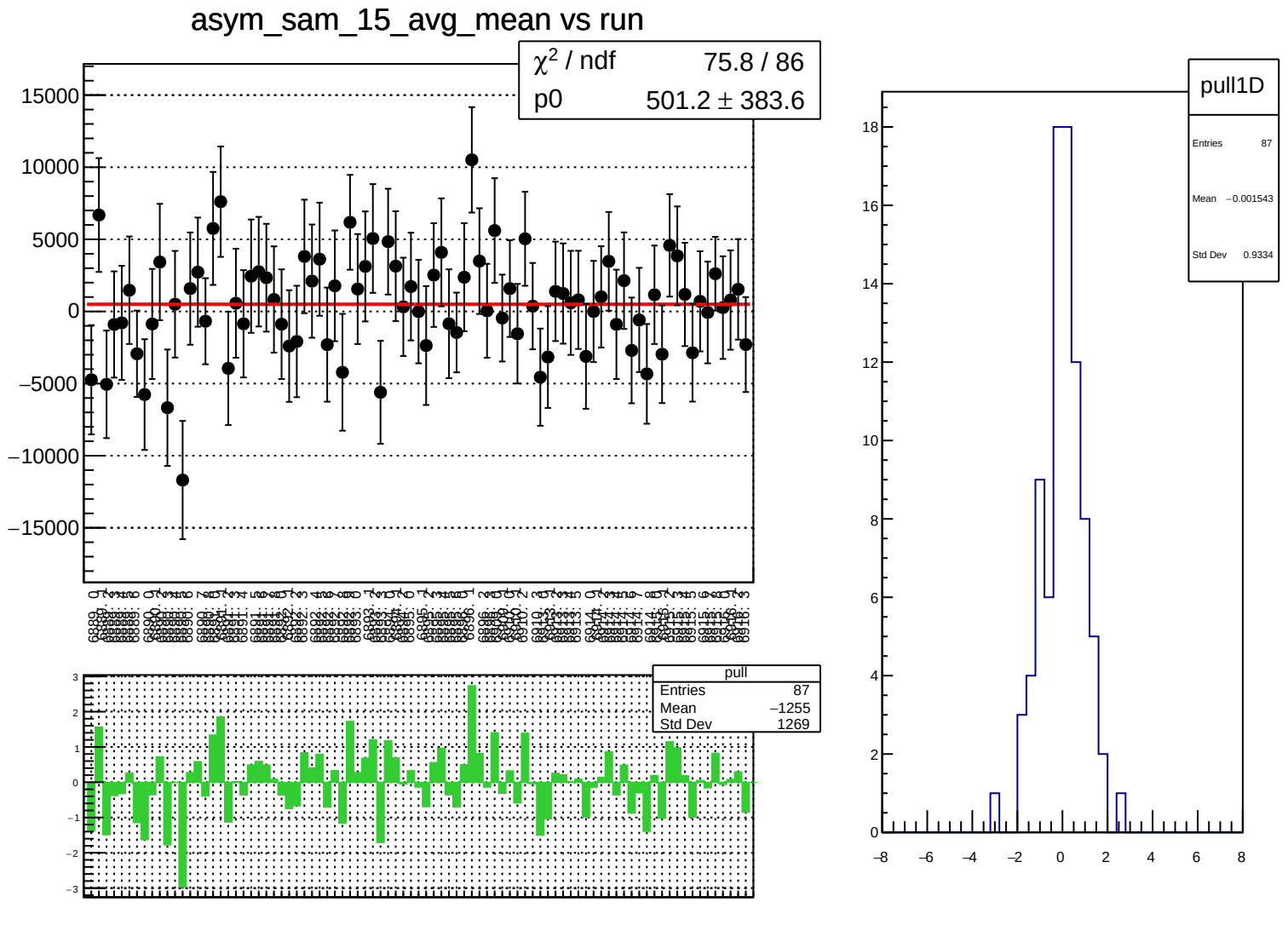
dit_asym_sam_15_avg_rms vs run



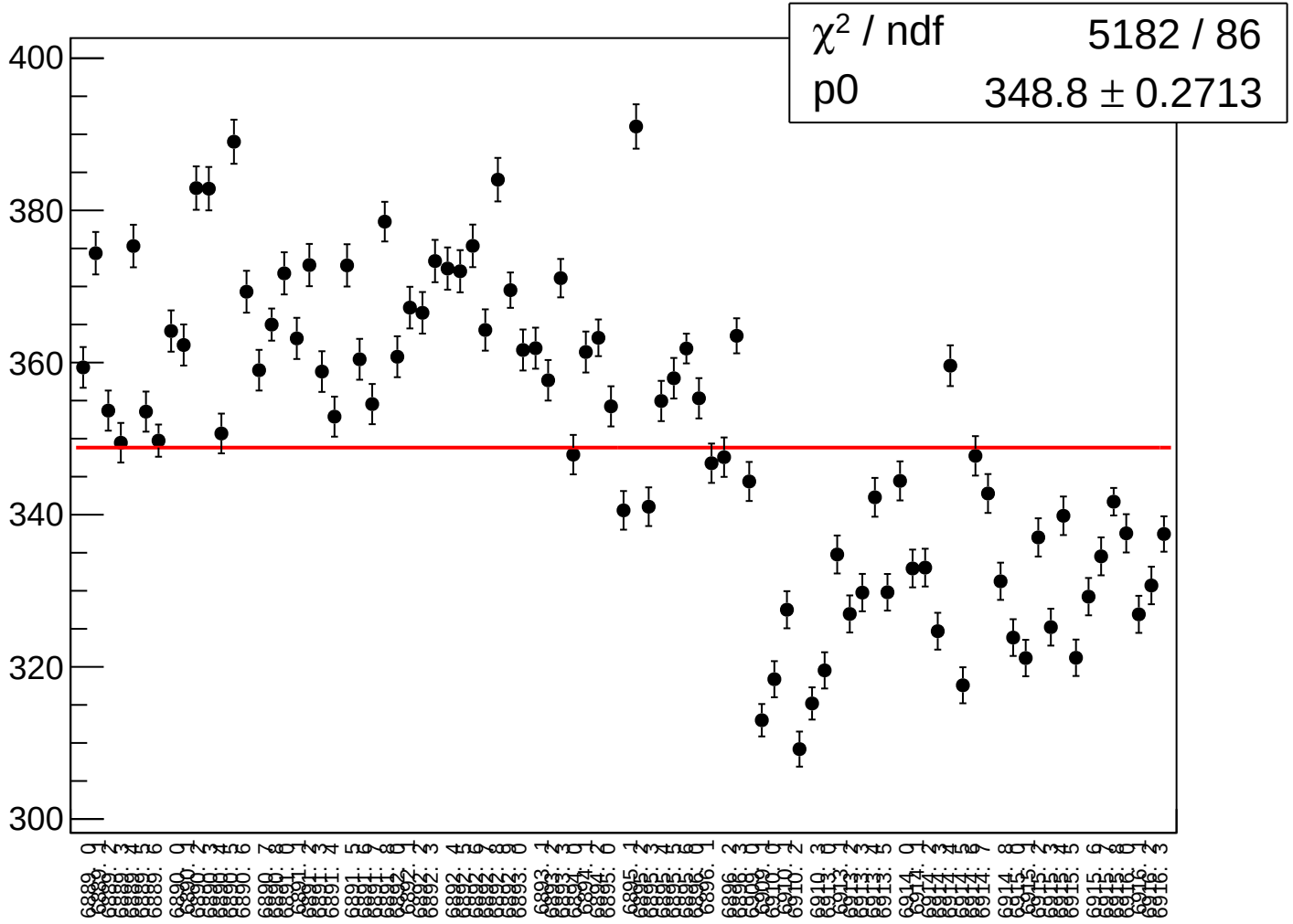

asym_sam_15_avg_correction_mean vs run
χ² / ndf 79.83 / 86
p0 −570.5 ± 381.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −761.4
Std Dev 770.8
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.002254
Std Dev 0.9579
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

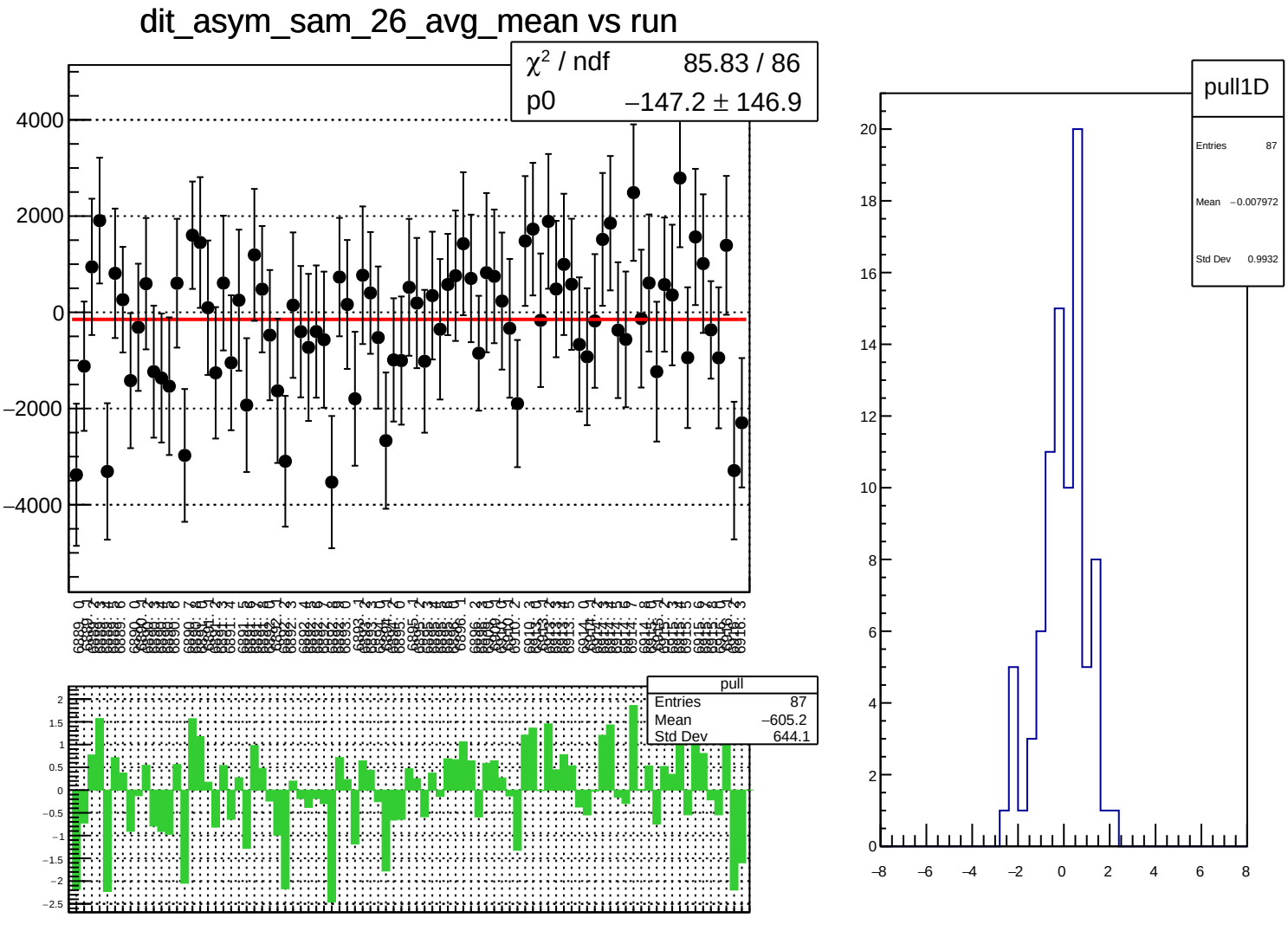
asym_sam_15_avg_correction_rms vs run



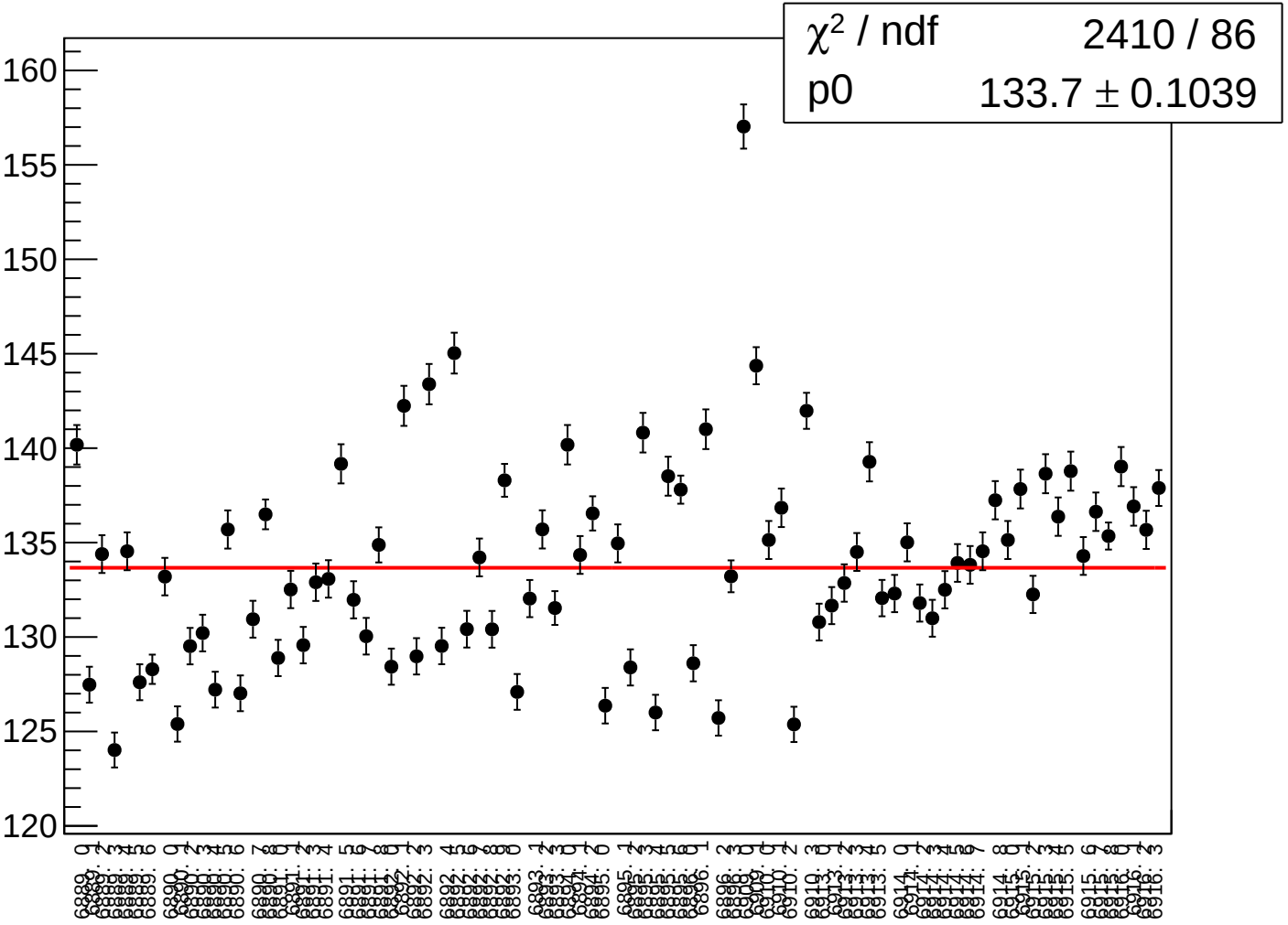

asym_sam_15_avg_mean vs run
χ² / ndf 75.8 / 86
p0 501.2 ± 383.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −1255
Std Dev 1269
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.001543
Std Dev 0.9334
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

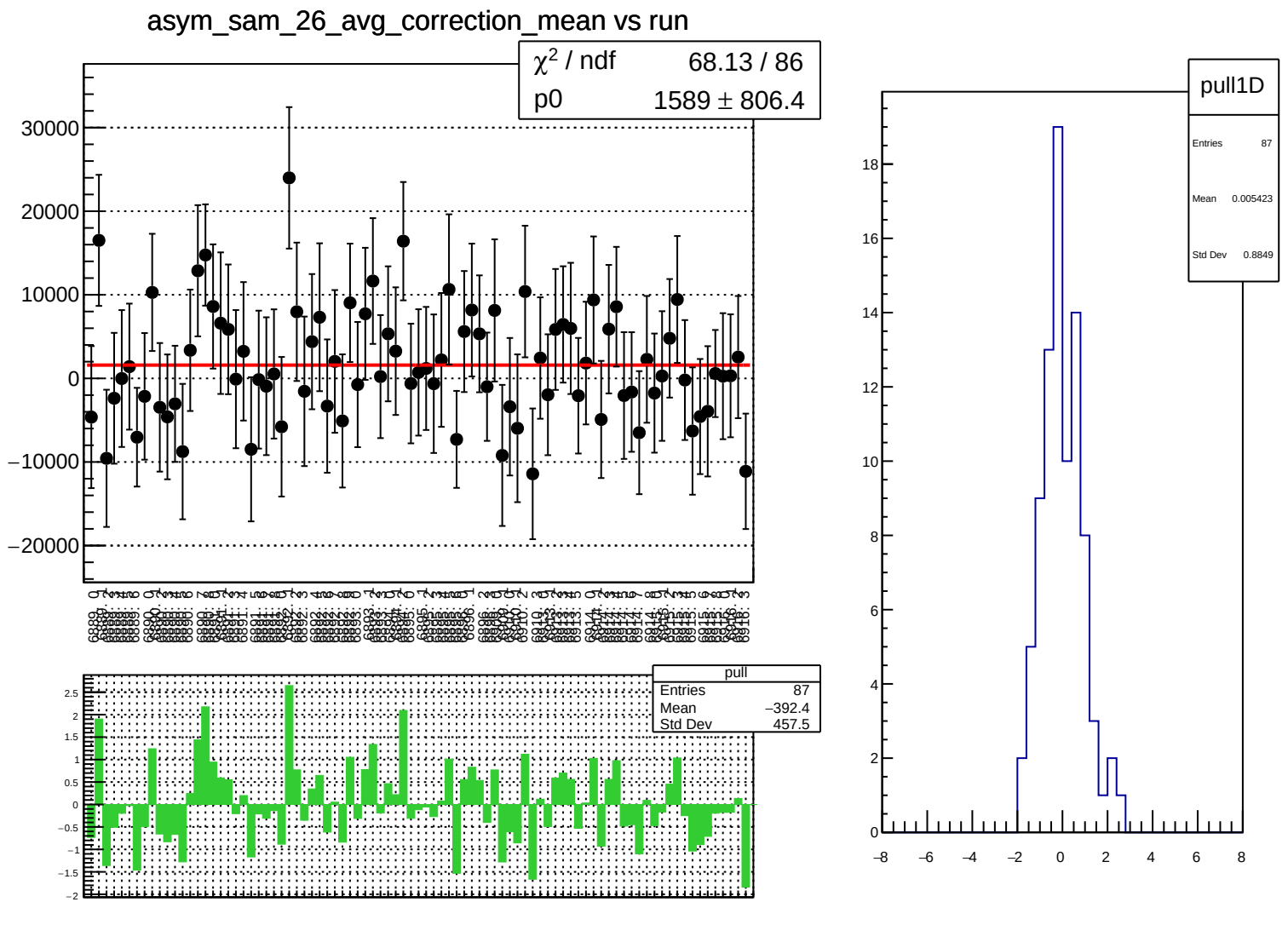
asym_sam_15_avg_rms vs run



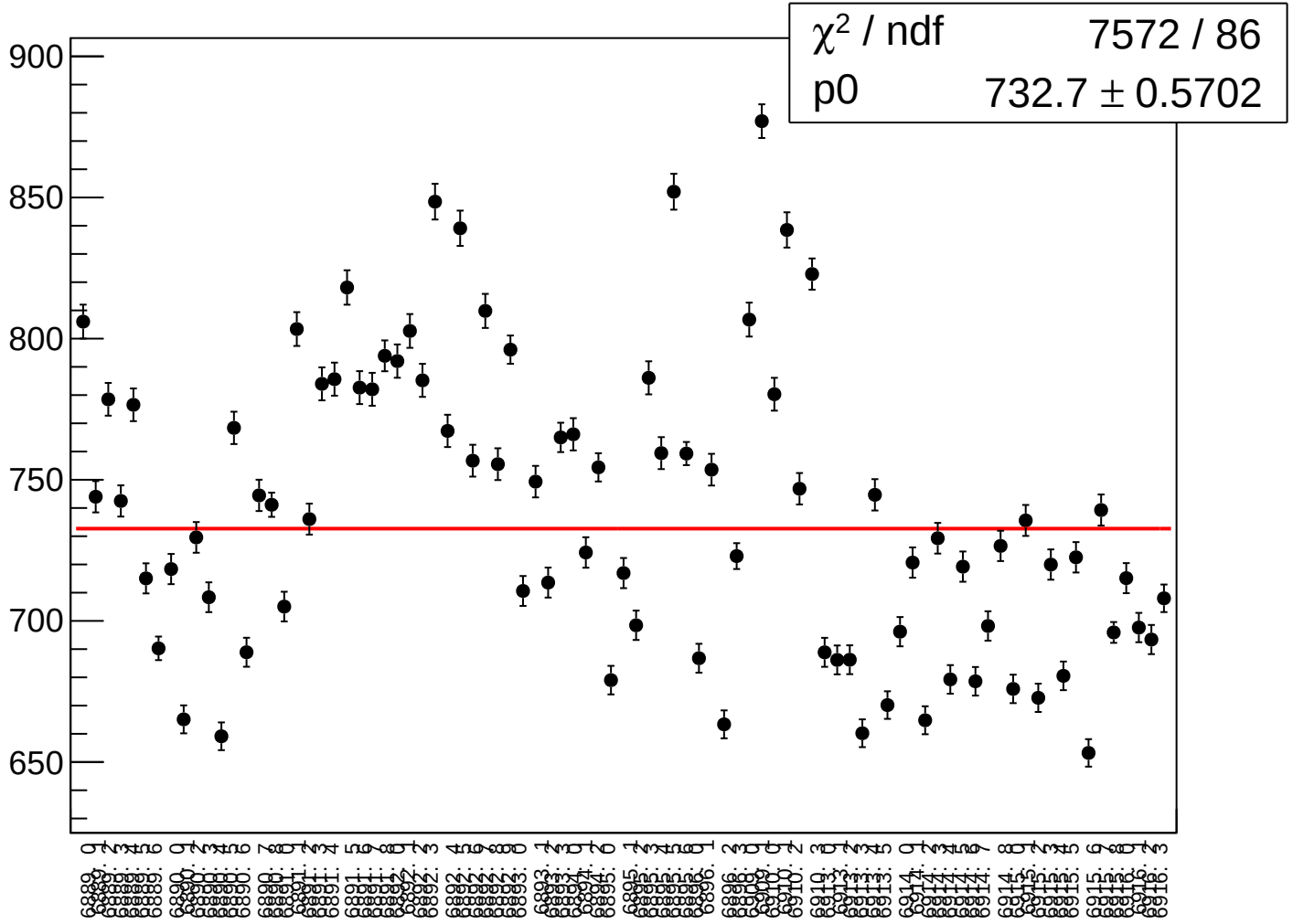

dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 85.83 / 86
p0 −147.2 ± 146.9
4000
2000
0
−2000
−4000
pull
Entries 87
Mean −605.2
Std Dev 644.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 87
Mean −0.007972
Std Dev 0.9932
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

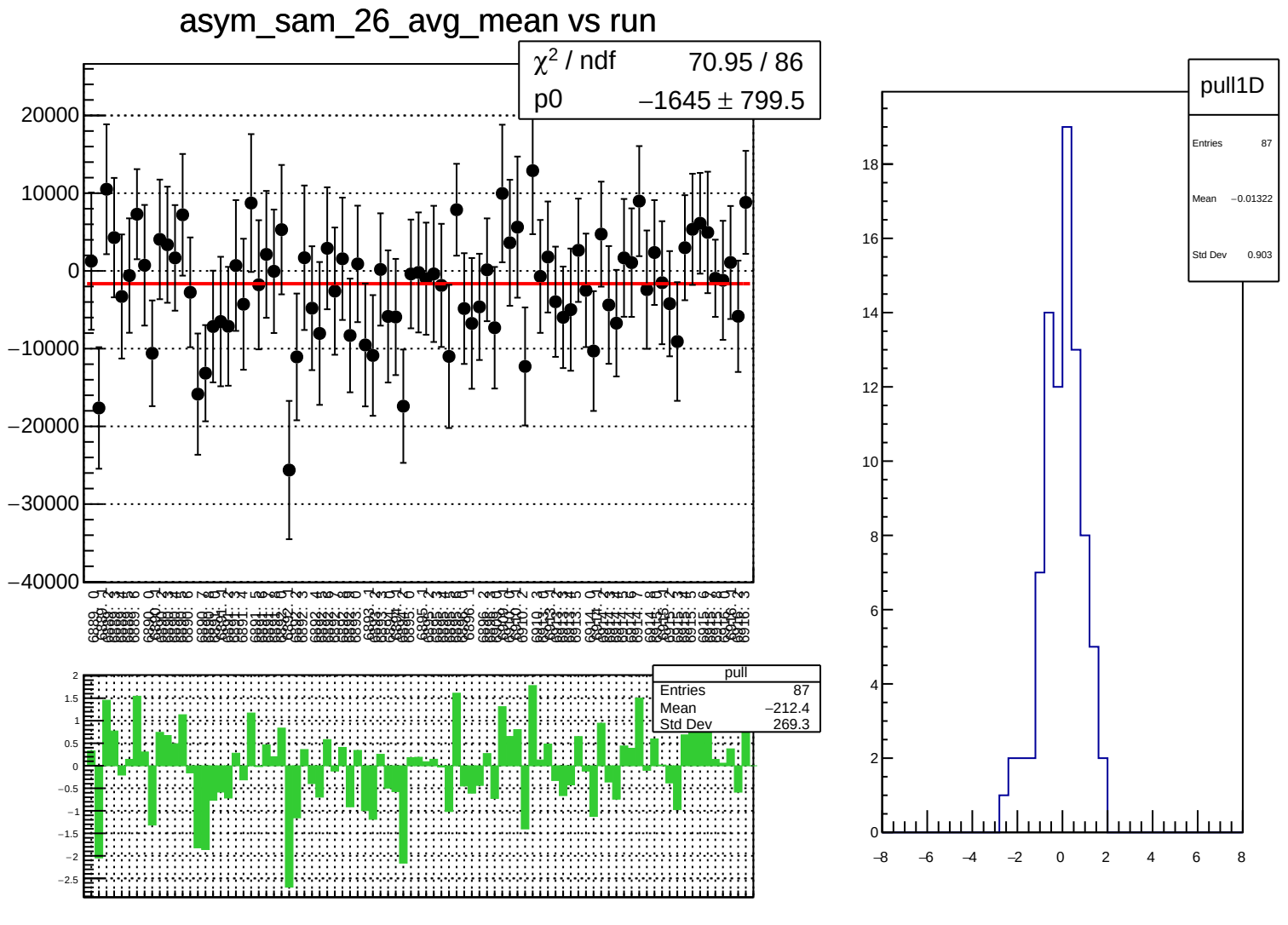
dit_asym_sam_26_avg_rms vs run

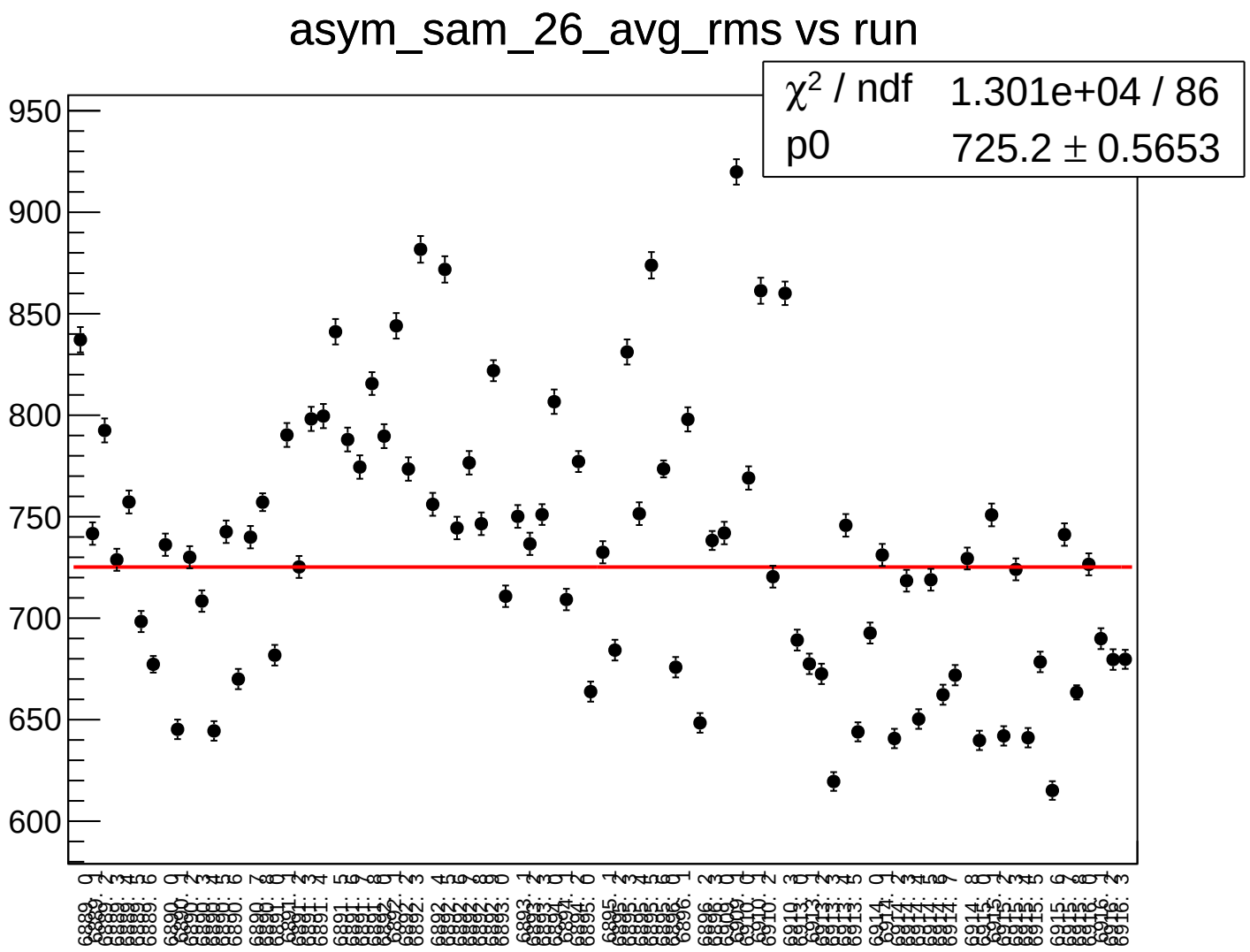


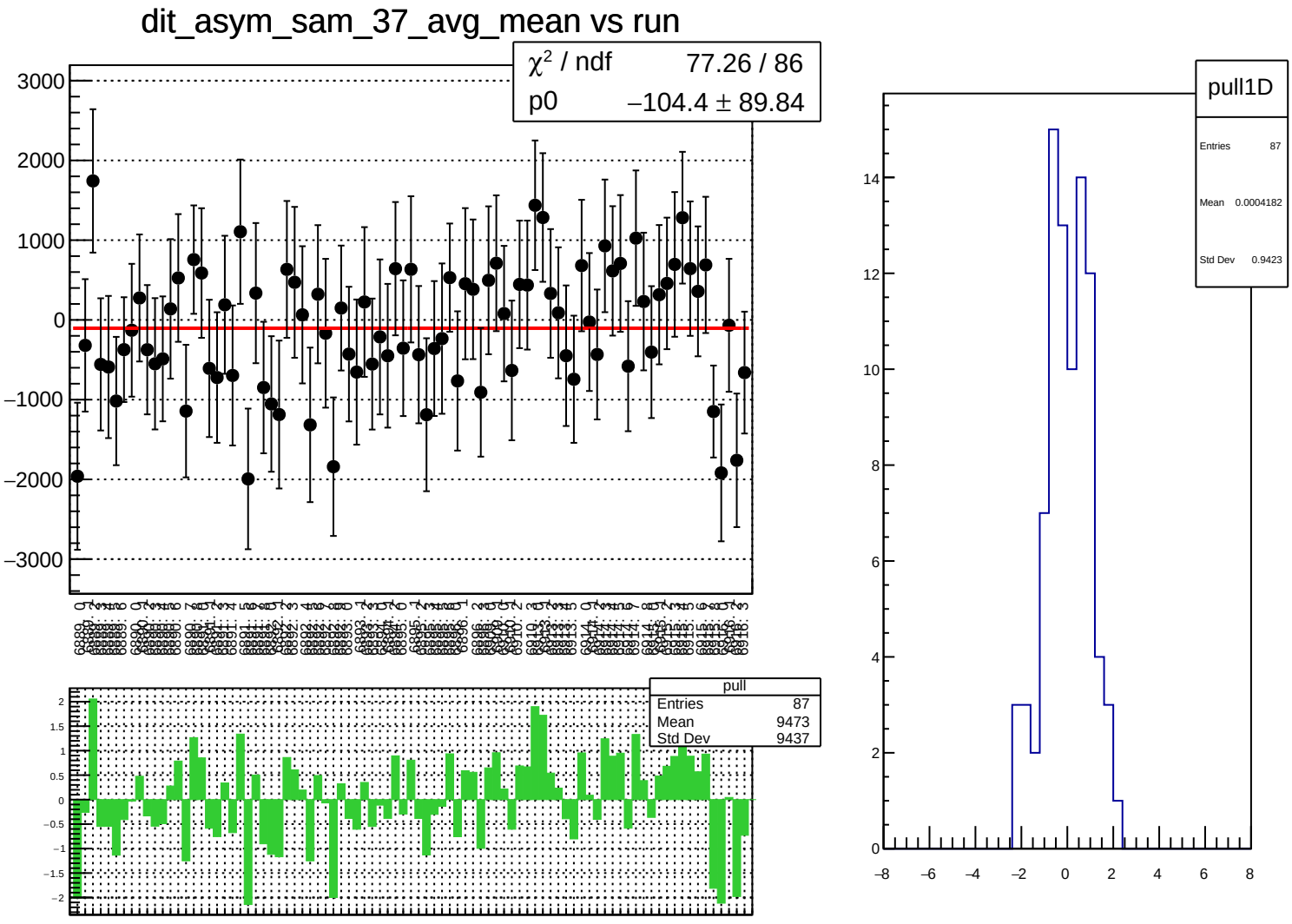

asym_sam_26_avg_correction_mean vs run
χ² / ndf 68.13 / 86
p0 1589 ± 806.4
pull
Entries 87
Mean −392.4
Std Dev 457.5
pull1D
Entries 87
Mean 0.005423
Std Dev 0.8849

asym_sam_26_avg_correction_rms vs run

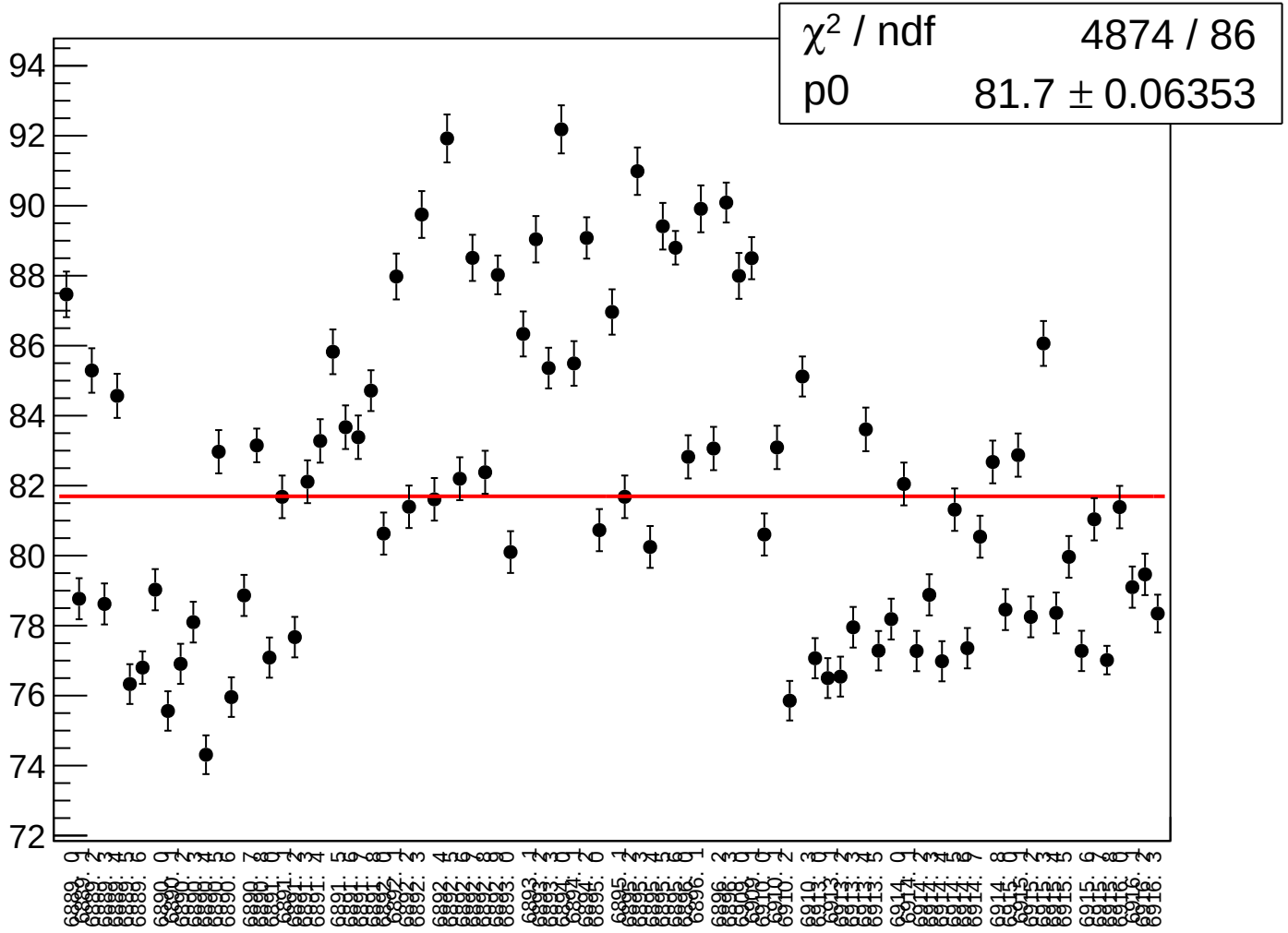


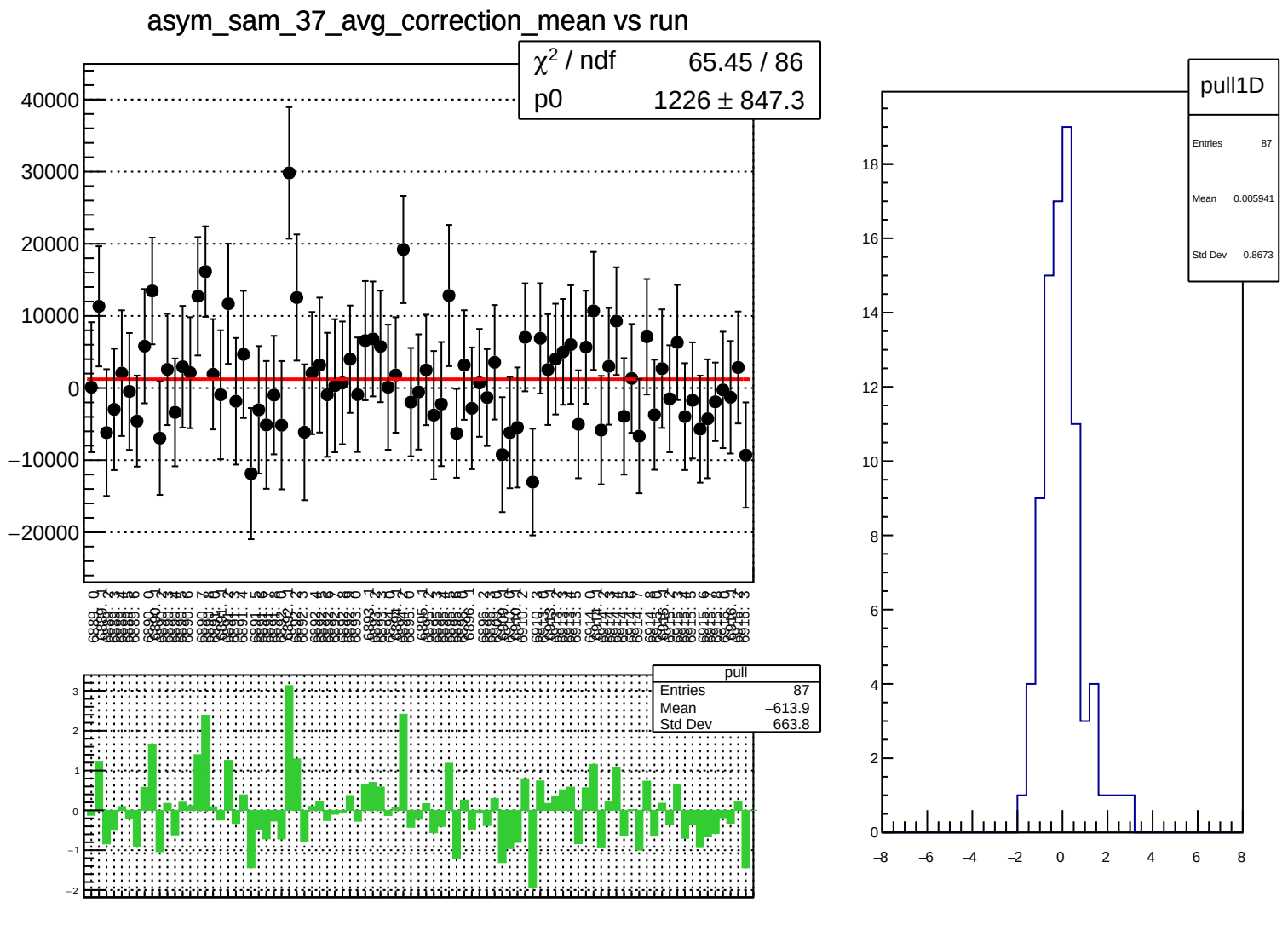

asym_sam_26_avg_mean vs run
χ^2 / ndf 70.95 / 86
p0 −1645 ± 799.5
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −212.4
Std Dev 269.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 87
Mean −0.01322
Std Dev 0.903
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_rms vs run
χ^2 / ndf 1.301e+04 / 86
p0 725.2 ± 0.5653
950
900
850
800
750
700
650
600

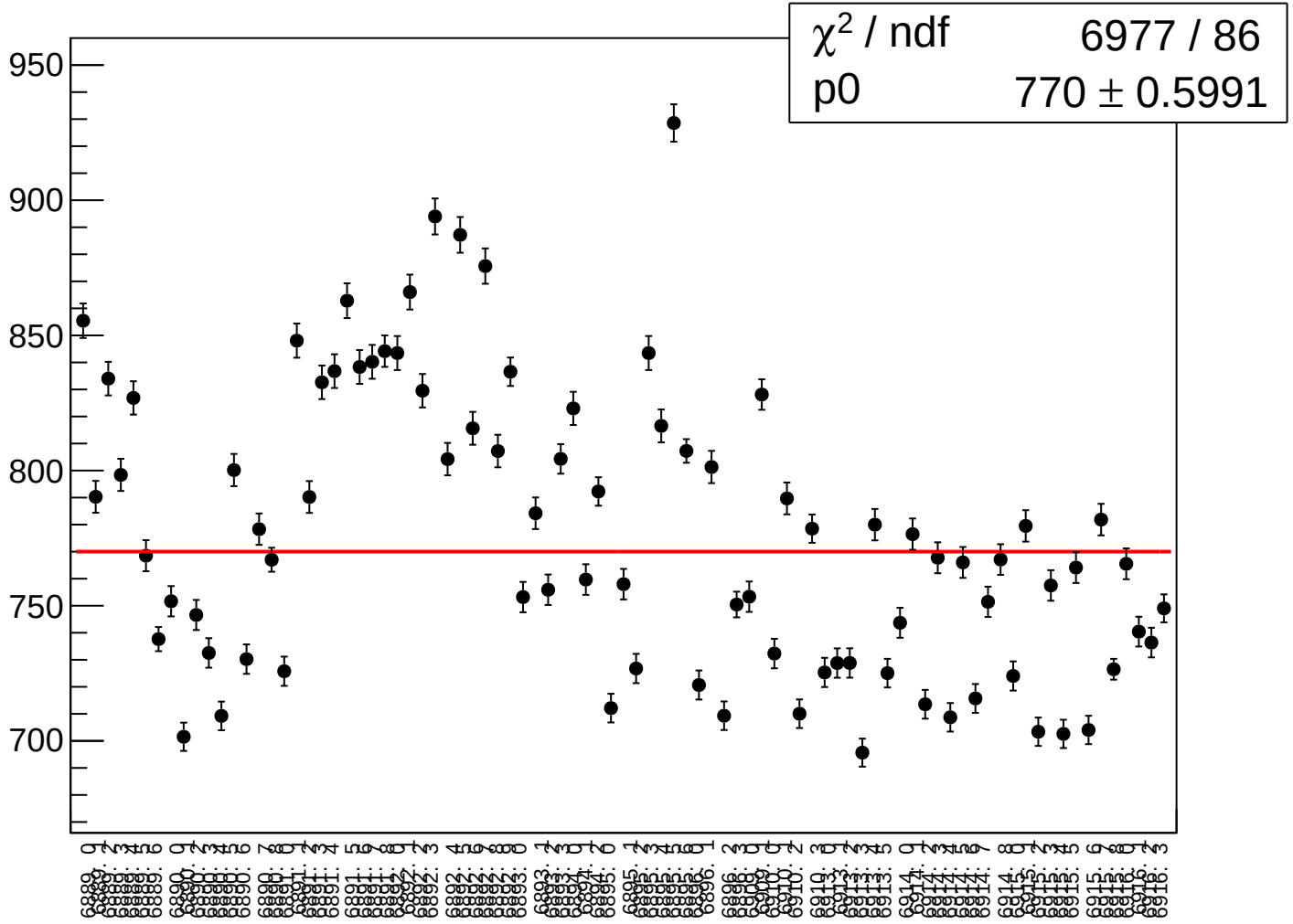

dit_asym_sam_37_avg_mean vs run
χ² / ndf 77.26 / 86
p0 −104.4 ± 89.84
pull
Entries 87
Mean 9473
Std Dev 9437
pull1D
Entries 87
Mean 0.0004182
Std Dev 0.9423

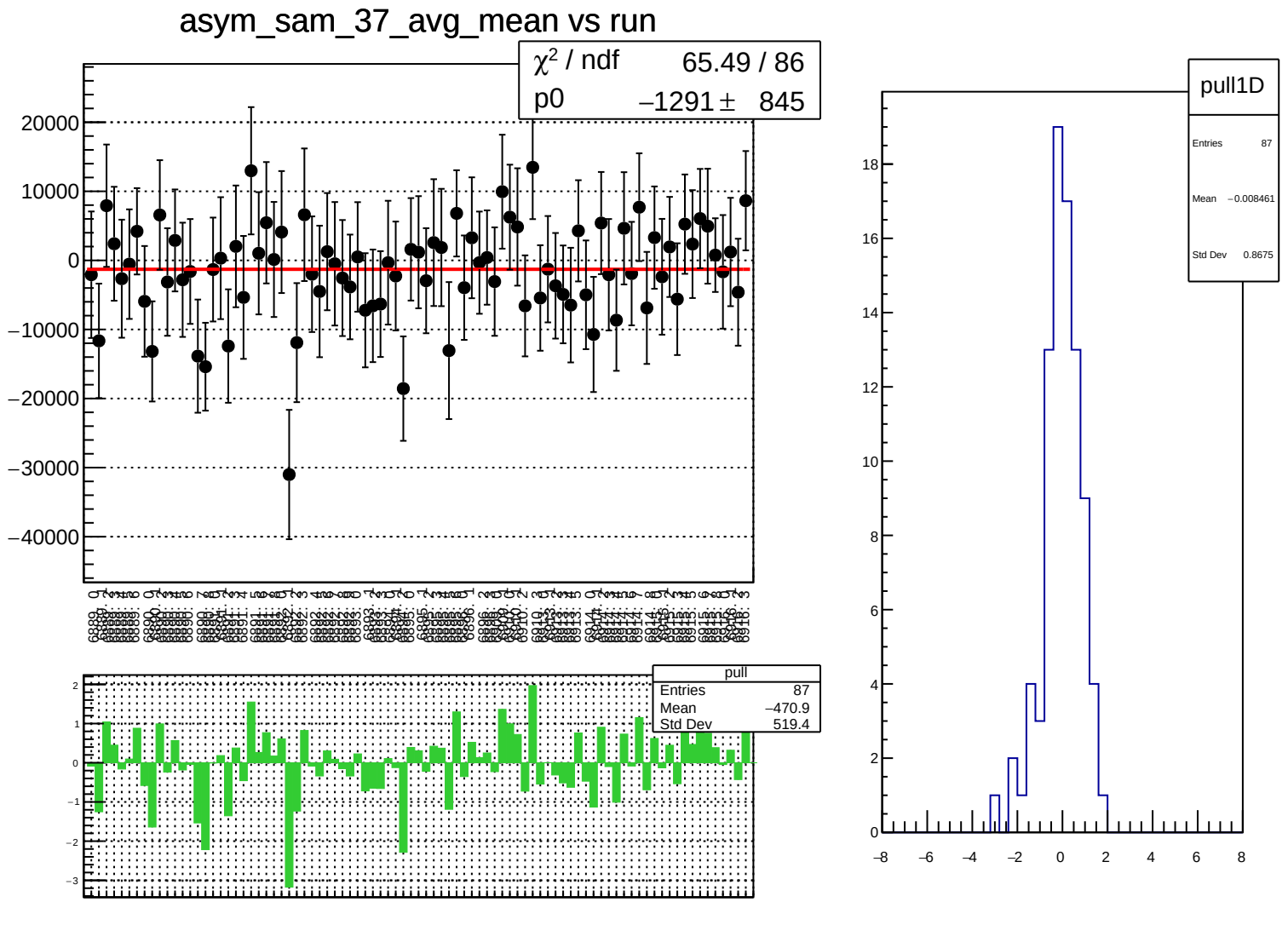
dit_asym_sam_37_avg_rms vs run

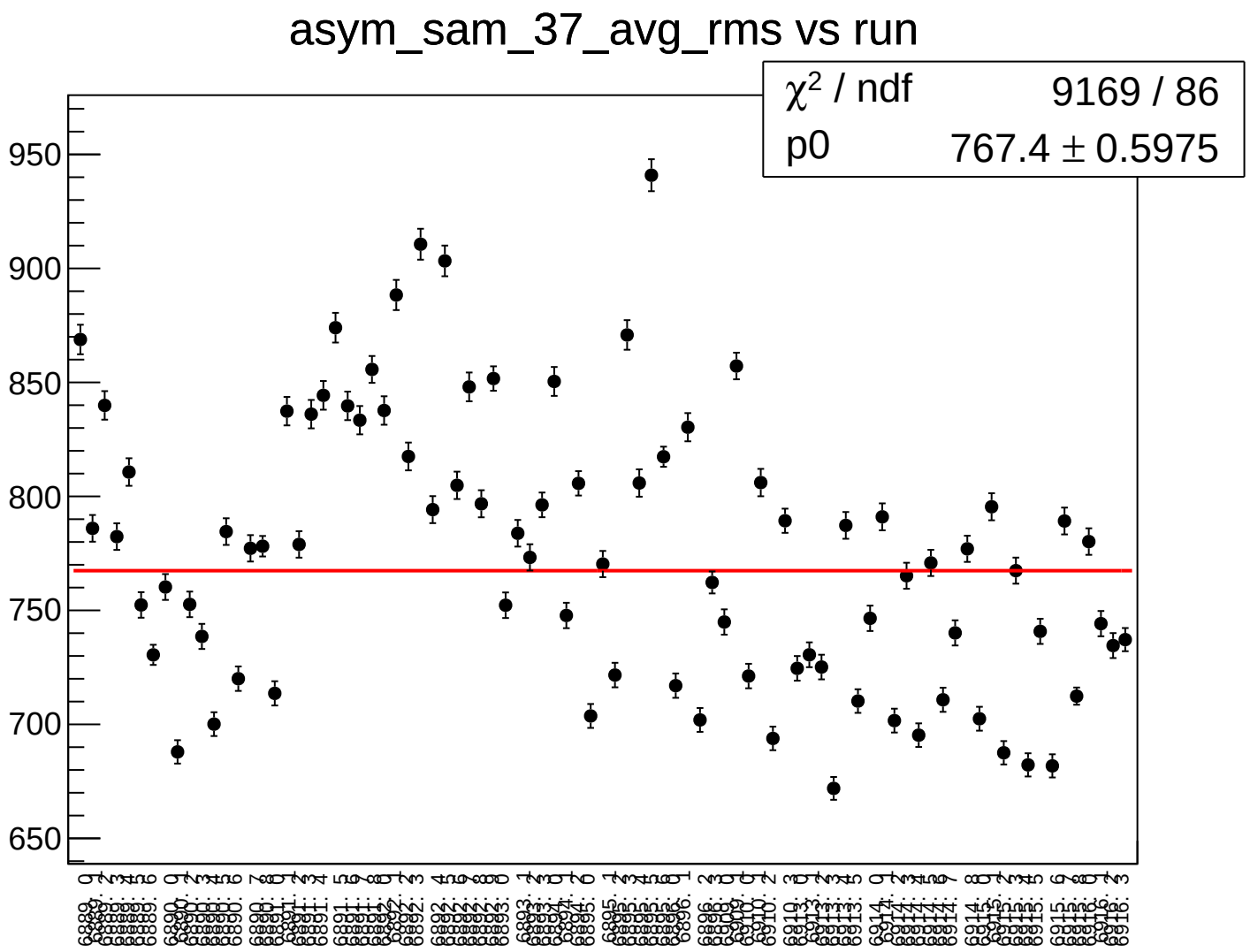


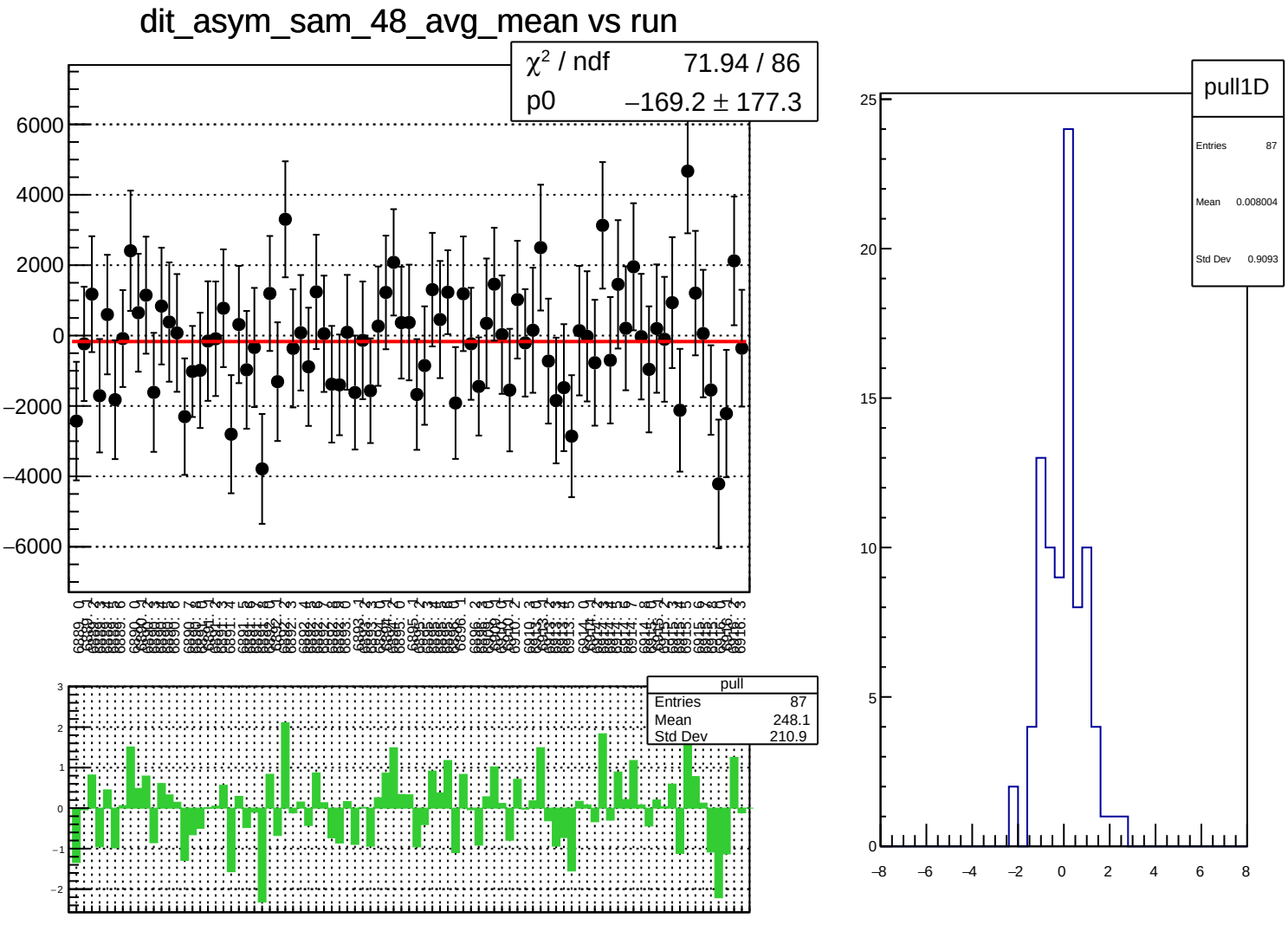

asym_sam_37_avg_correction_mean vs run
χ² / ndf 65.45 / 86
p0 1226 ± 847.3
pull
Entries 87
Mean −613.9
Std Dev 663.8
pull1D
Entries 87
Mean 0.005941
Std Dev 0.8673

asym_sam_37_avg_correction_rms vs run

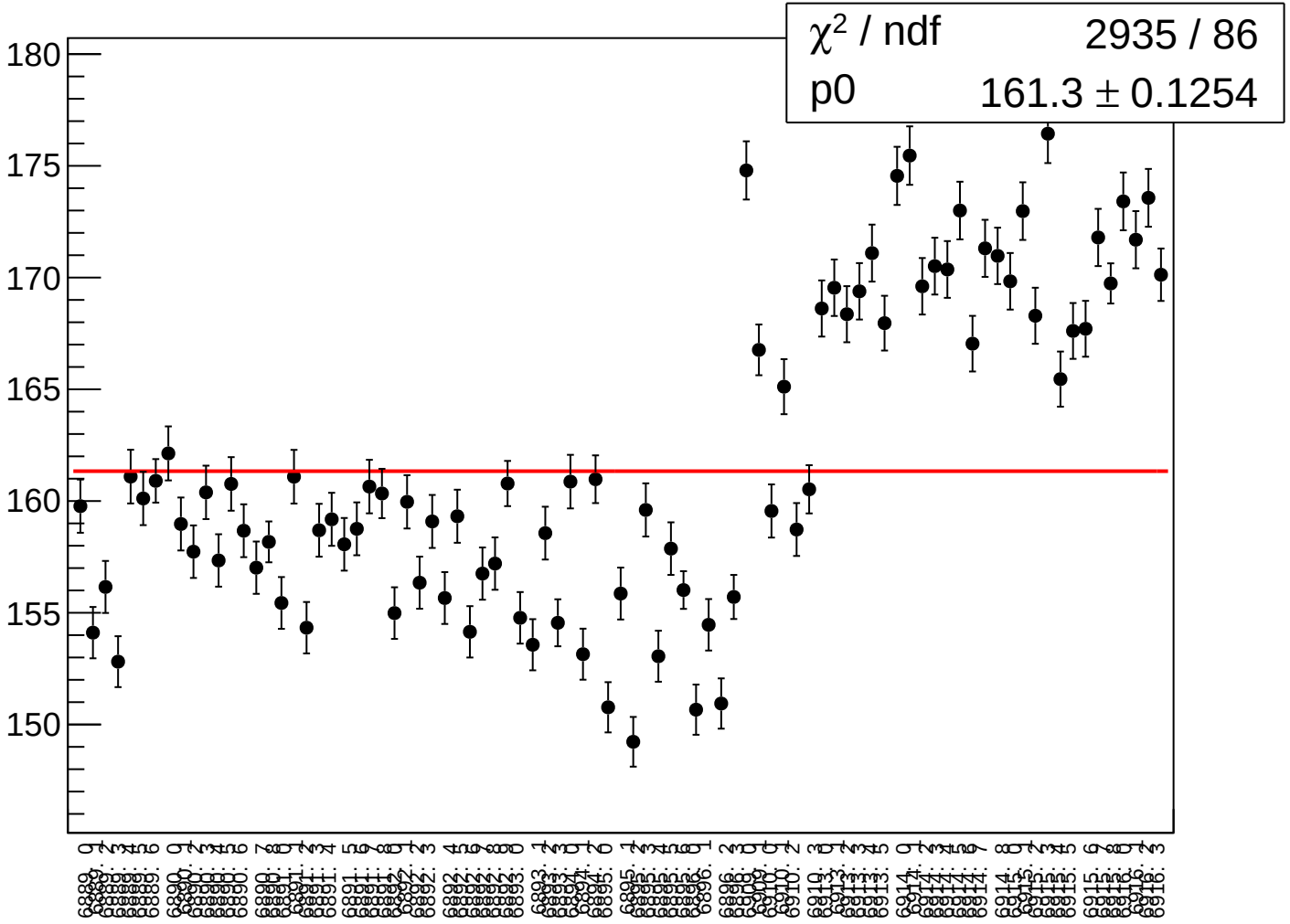


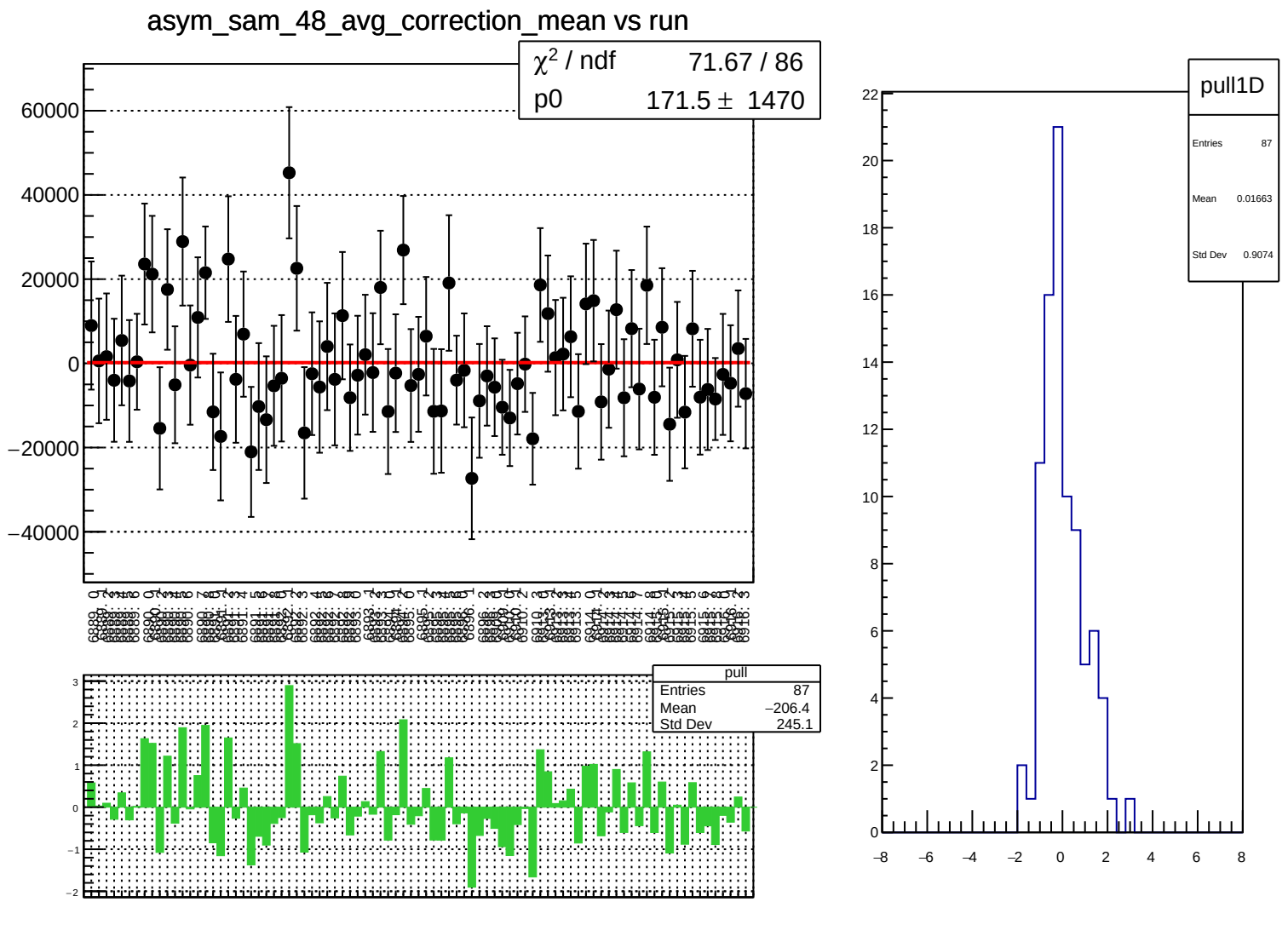

asym_sam_37_avg_mean vs run
χ² / ndf 65.49 / 86
p0 −1291 ± 845
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −470.9
Std Dev 519.4
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.008461
Std Dev 0.8675
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_rms vs run
χ^2 / ndf 9169 / 86
p0 767.4 ± 0.5975
950
900
850
800
750
700
650

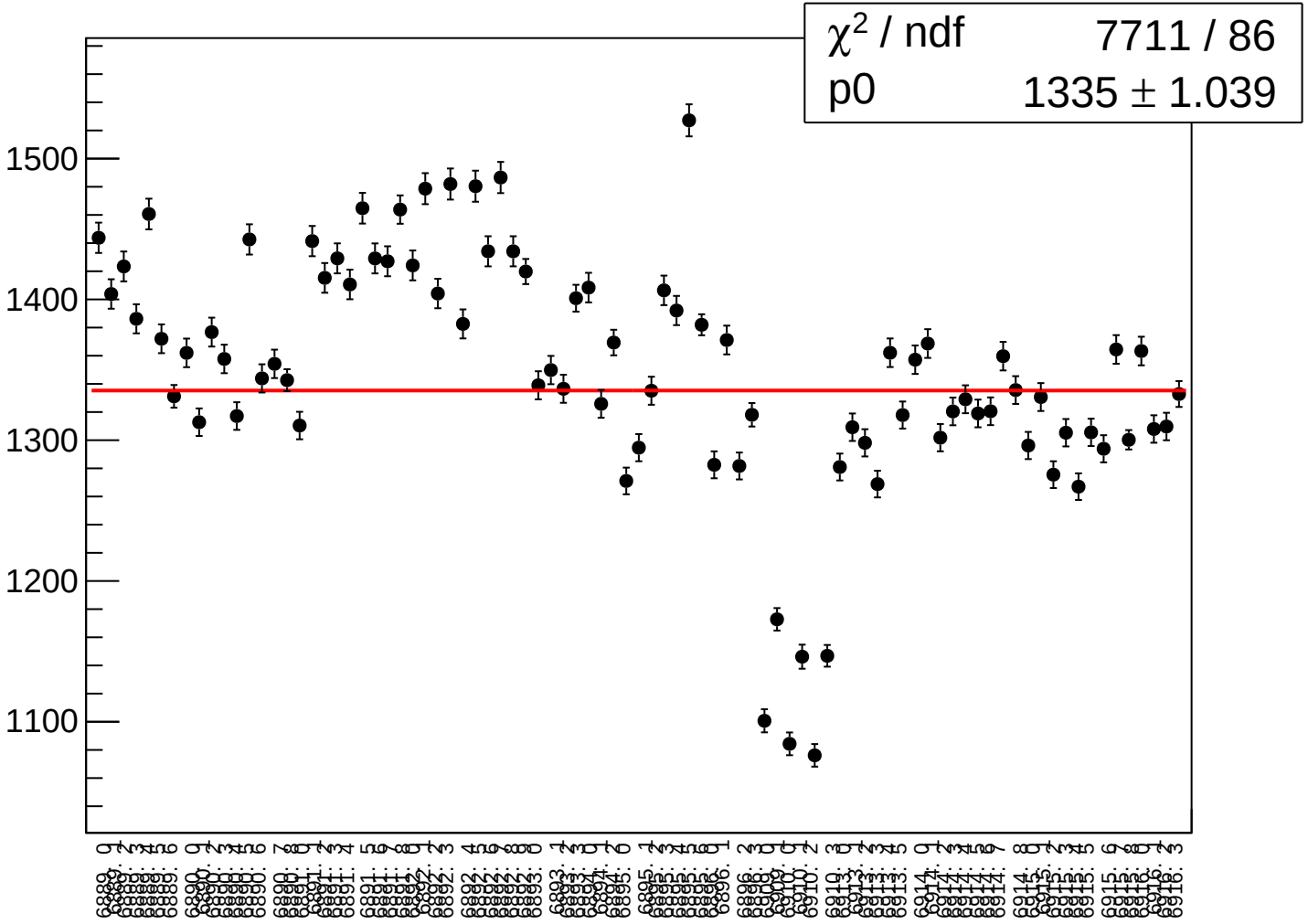

dit_asym_sam_48_avg_mean vs run
χ² / ndf 71.94 / 86
p0 −169.2 ± 177.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 248.1
Std Dev 210.9
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.008004
Std Dev 0.9093
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

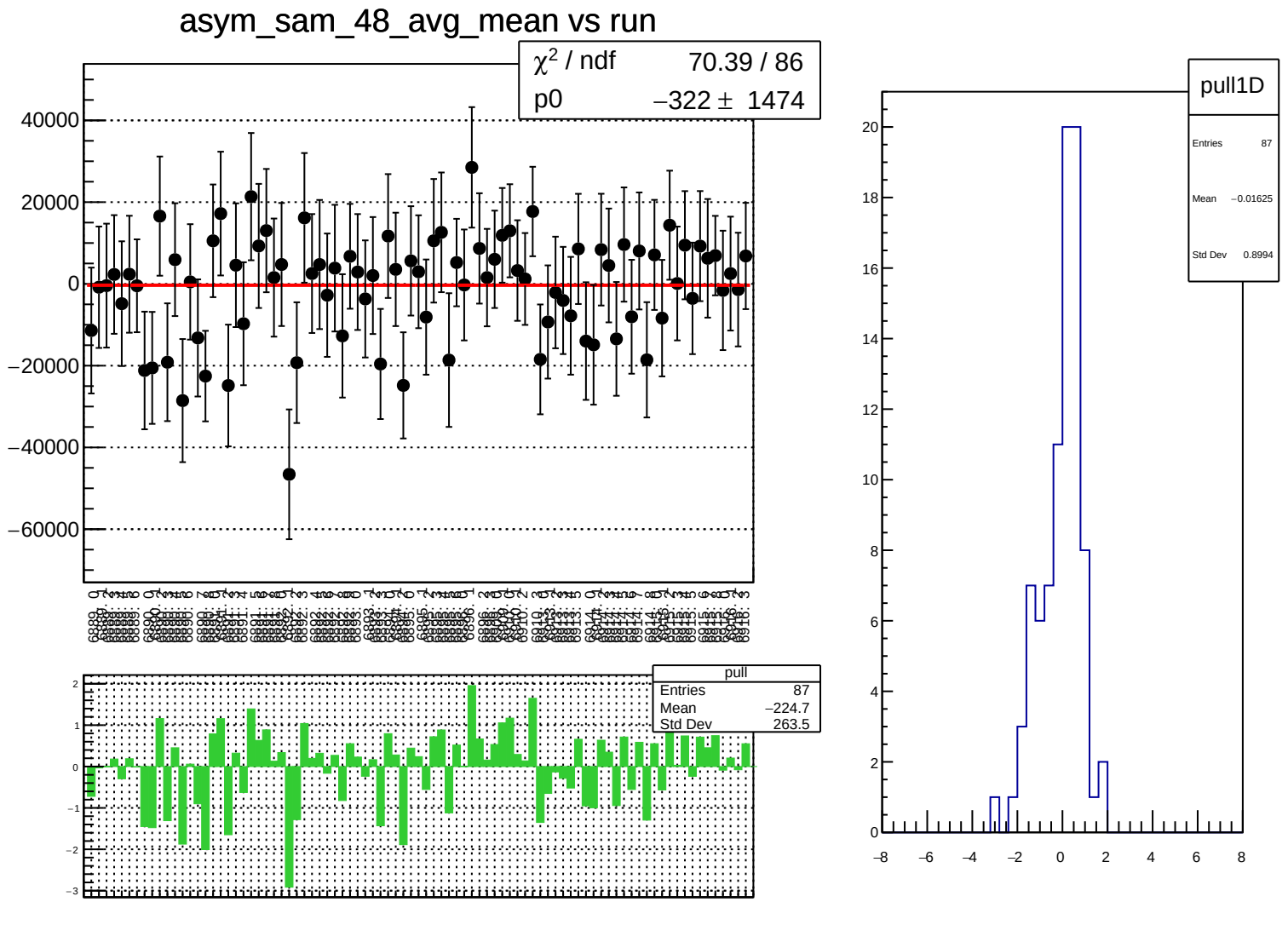
dit_asym_sam_48_avg_rms vs run



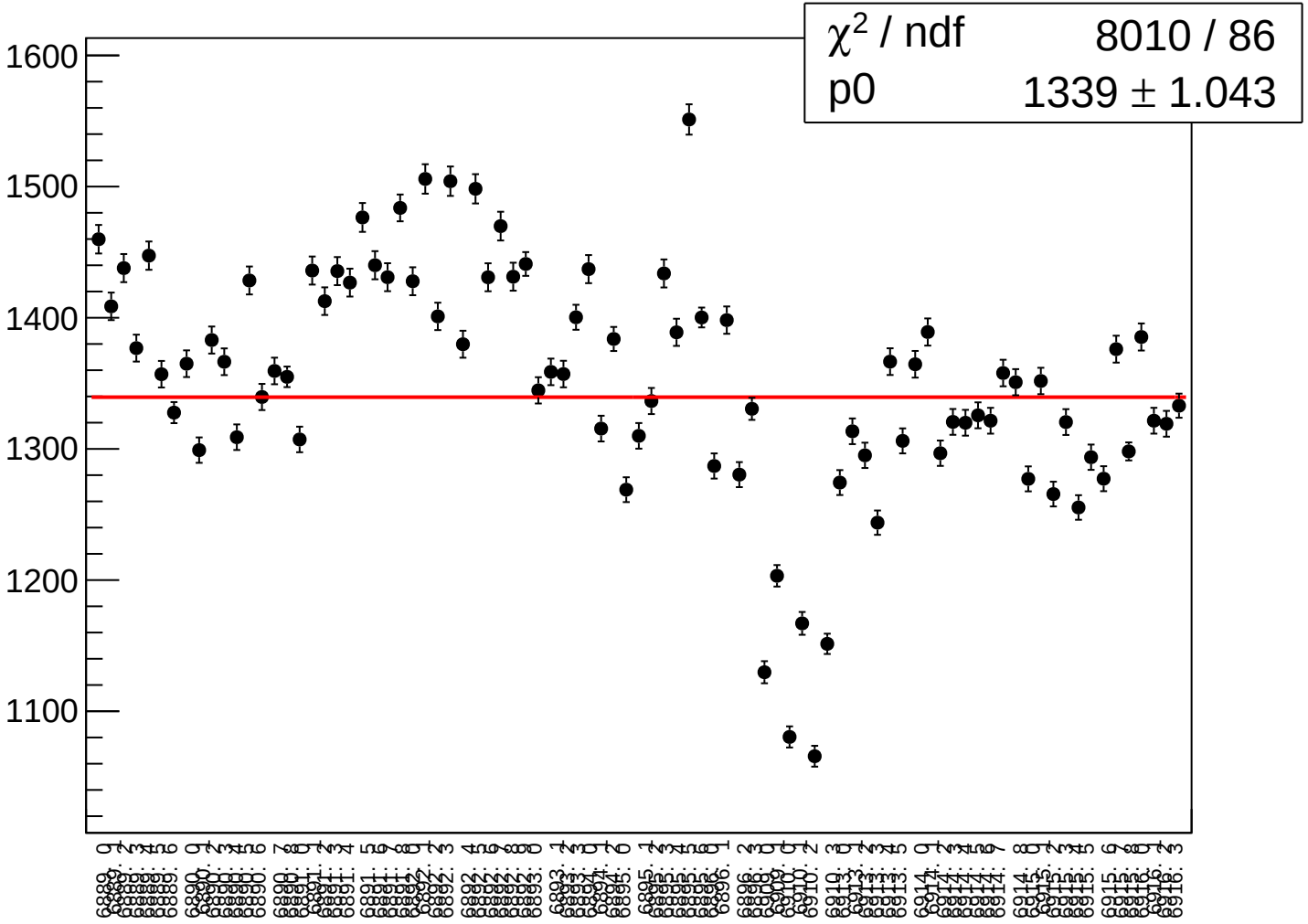

asym_sam_48_avg_correction_mean vs run
χ² / ndf 71.67 / 86
p0 171.5 ± 1470
60000
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −206.4
Std Dev 245.1
pull1D
Entries 87
Mean 0.01663
Std Dev 0.9074

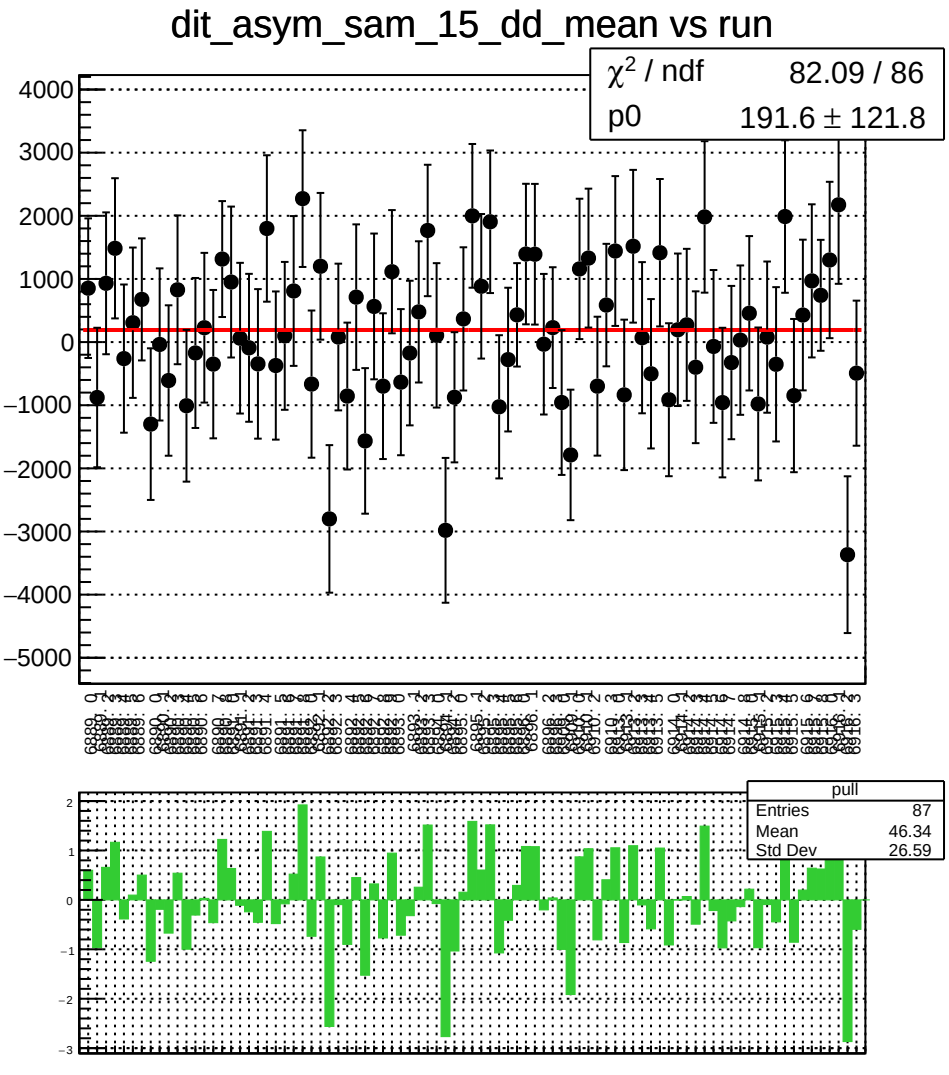
asym_sam_48_avg_correction_rms vs run

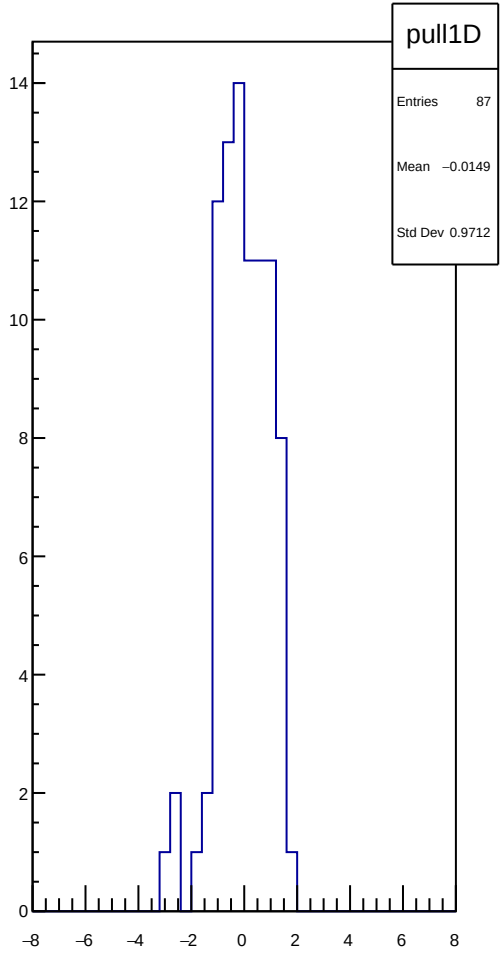



asym_sam_48_avg_mean vs run
χ^2 / ndf 70.39 / 86
p0 −322 ± 1474
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −224.7
Std Dev 263.5
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.01625
Std Dev 0.8994
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

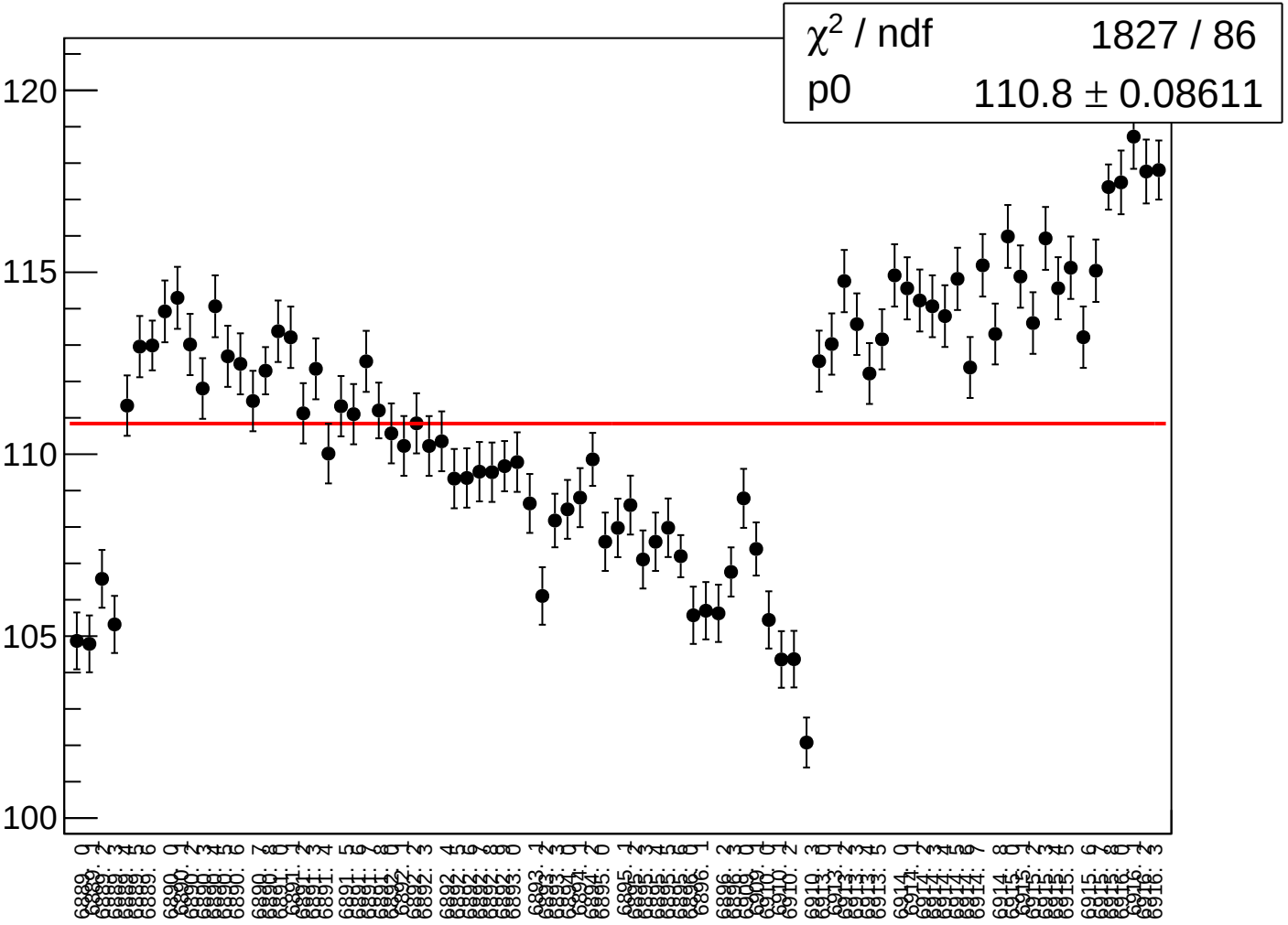
asym_sam_48_avg_rms vs run

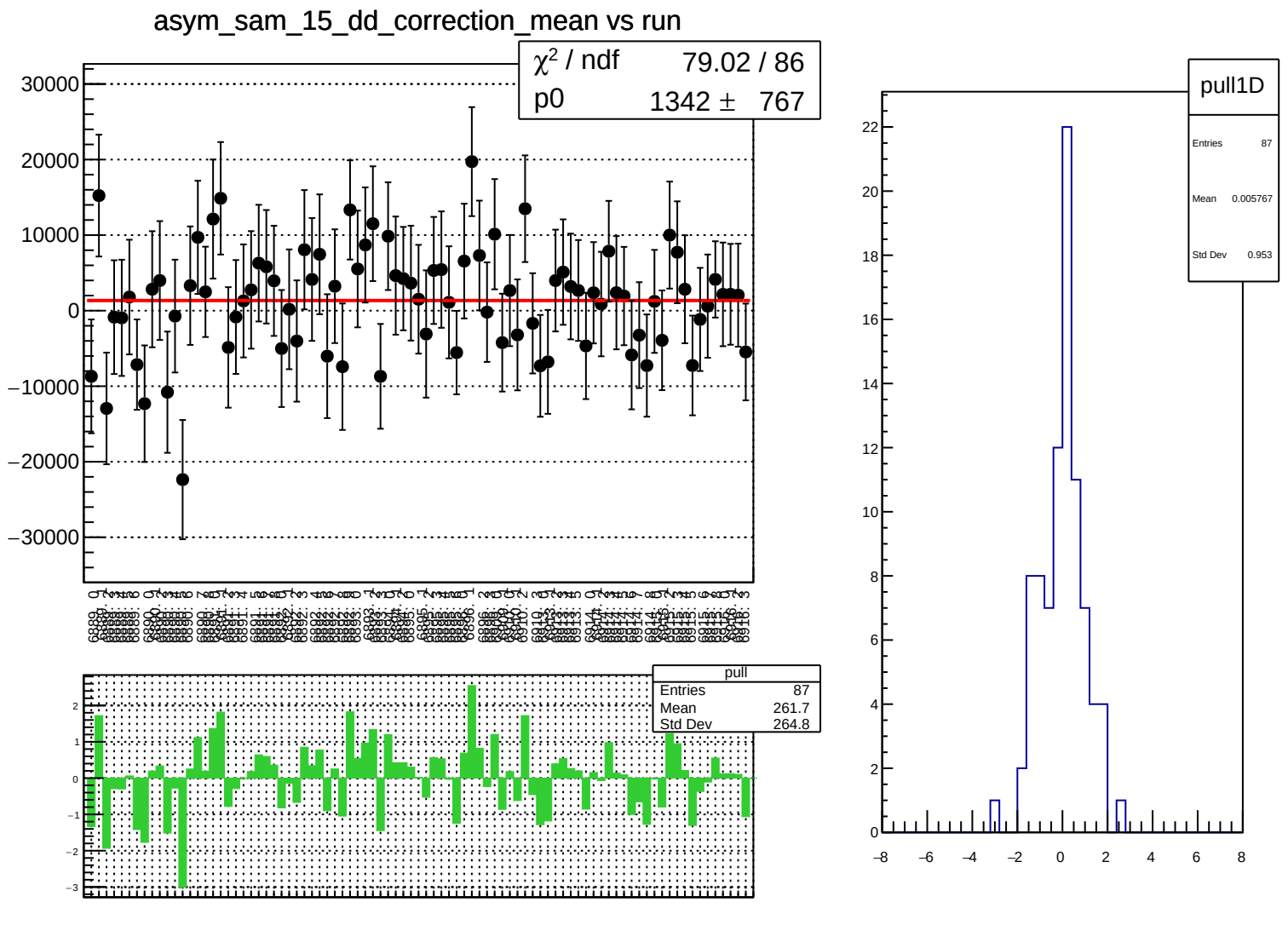



dit_asym_sam_15_dd_mean vs run
χ² / ndf 82.09 / 86
p0 191.6 ± 121.8
pull
Entries 87
Mean 46.34
Std Dev 26.59

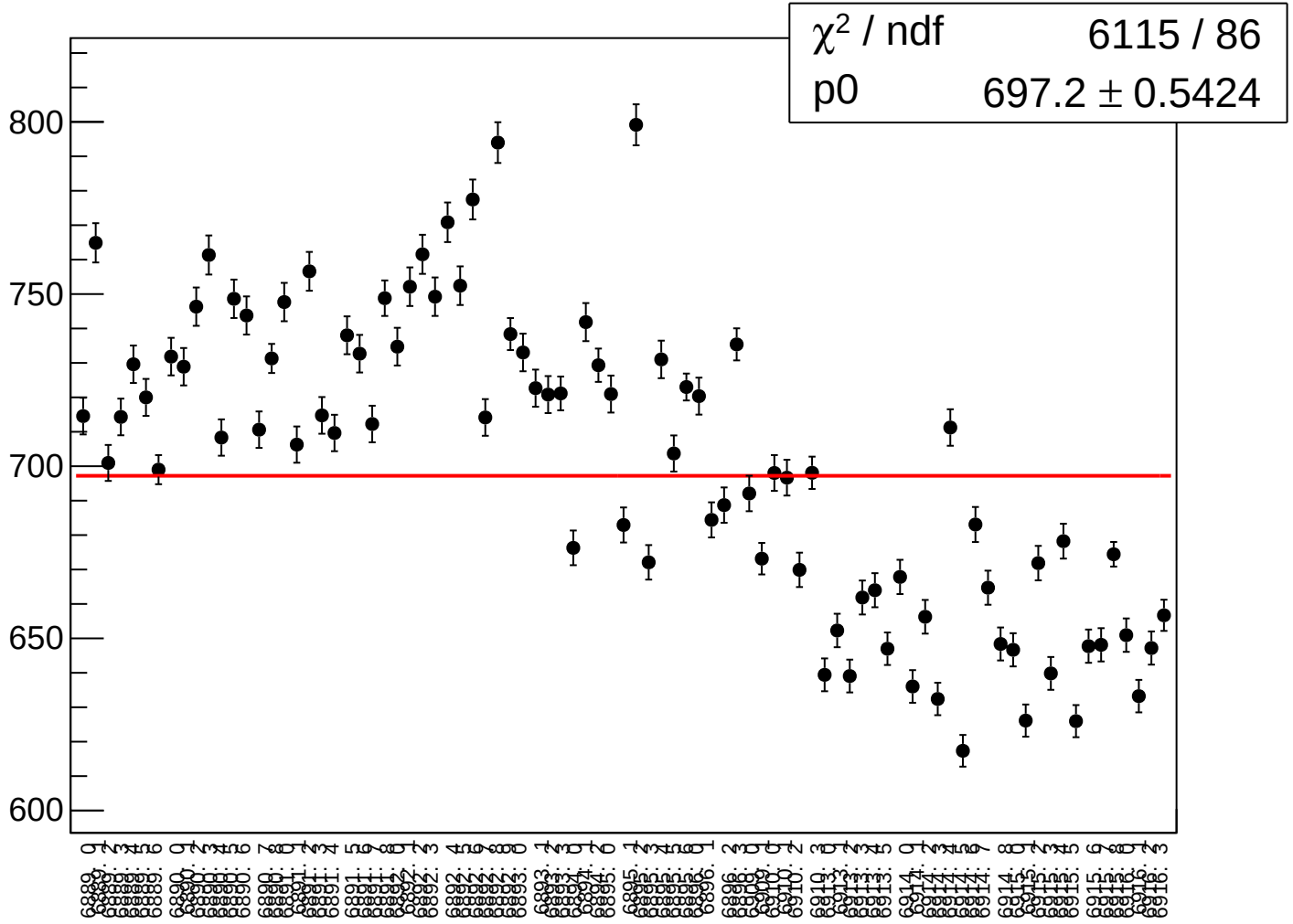

pull1D
Entries 87
Mean −0.0149
Std Dev 0.9712

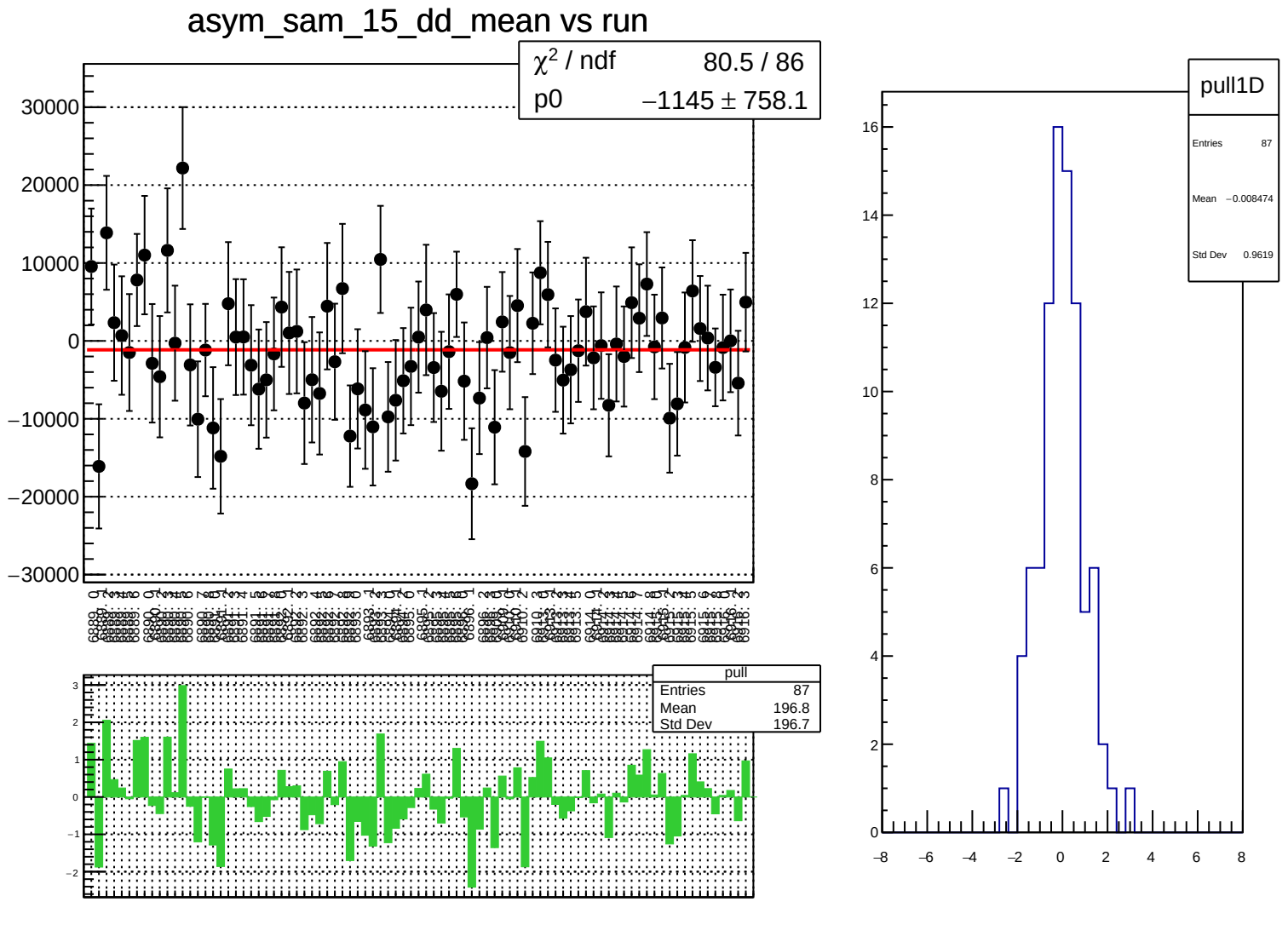
dit_asym_sam_15_dd_rms vs run



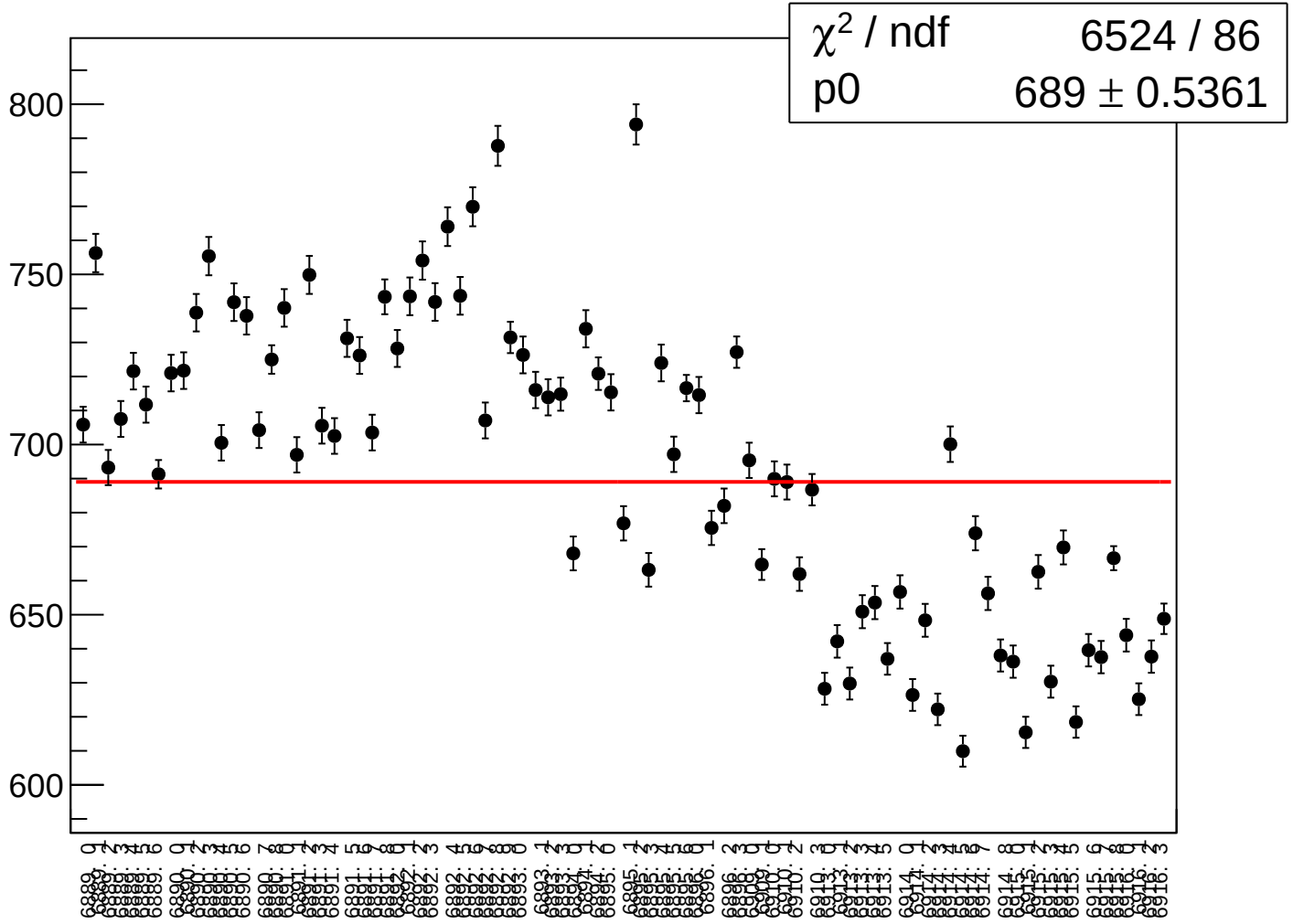

asym_sam_15_dd_correction_mean vs run
χ² / ndf 79.02 / 86
p0 1342 ± 767
pull
Entries 87
Mean 261.7
Std Dev 264.8
pull1D
Entries 87
Mean 0.005767
Std Dev 0.953

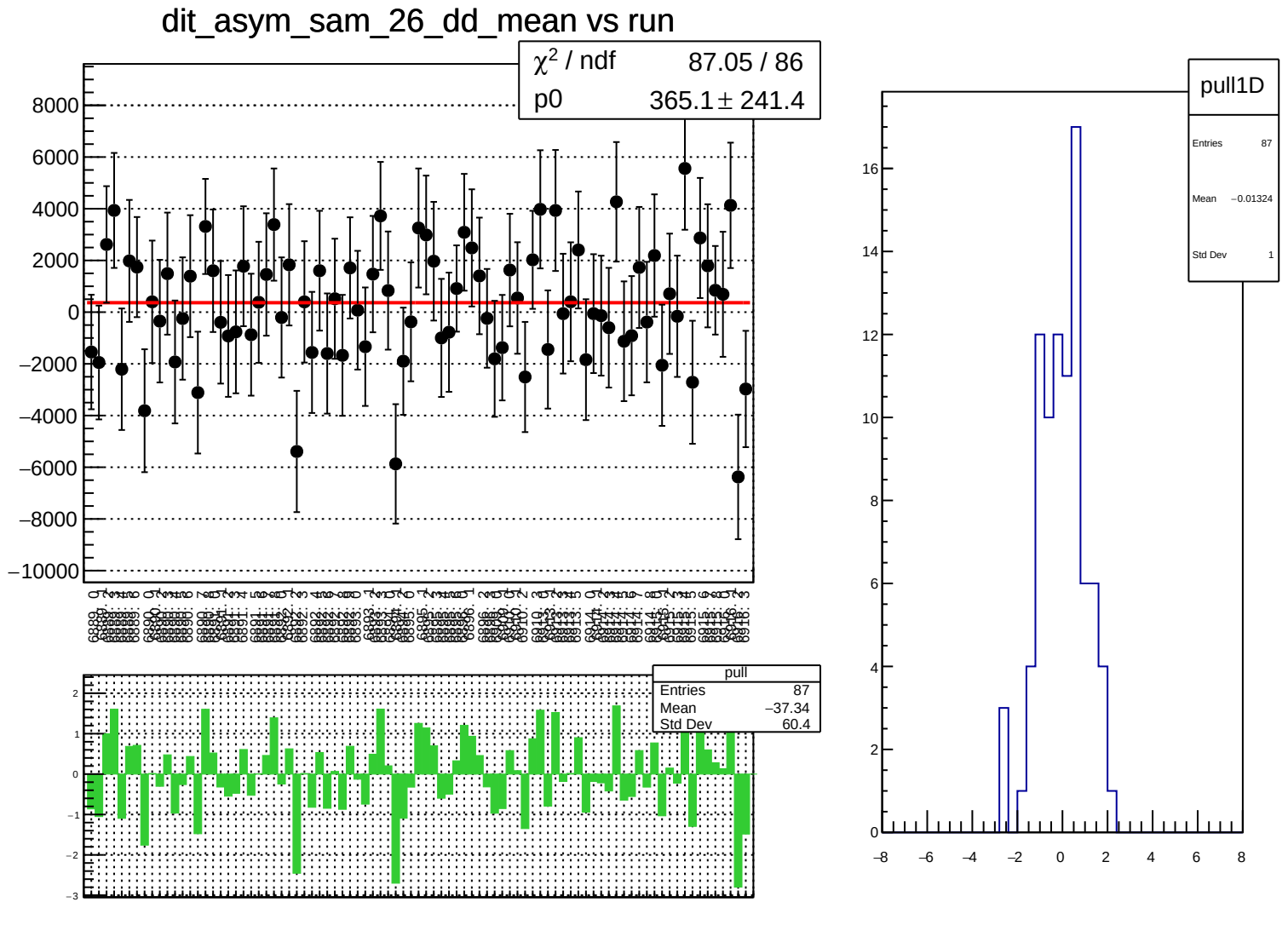
asym_sam_15_dd_correction_rms vs run

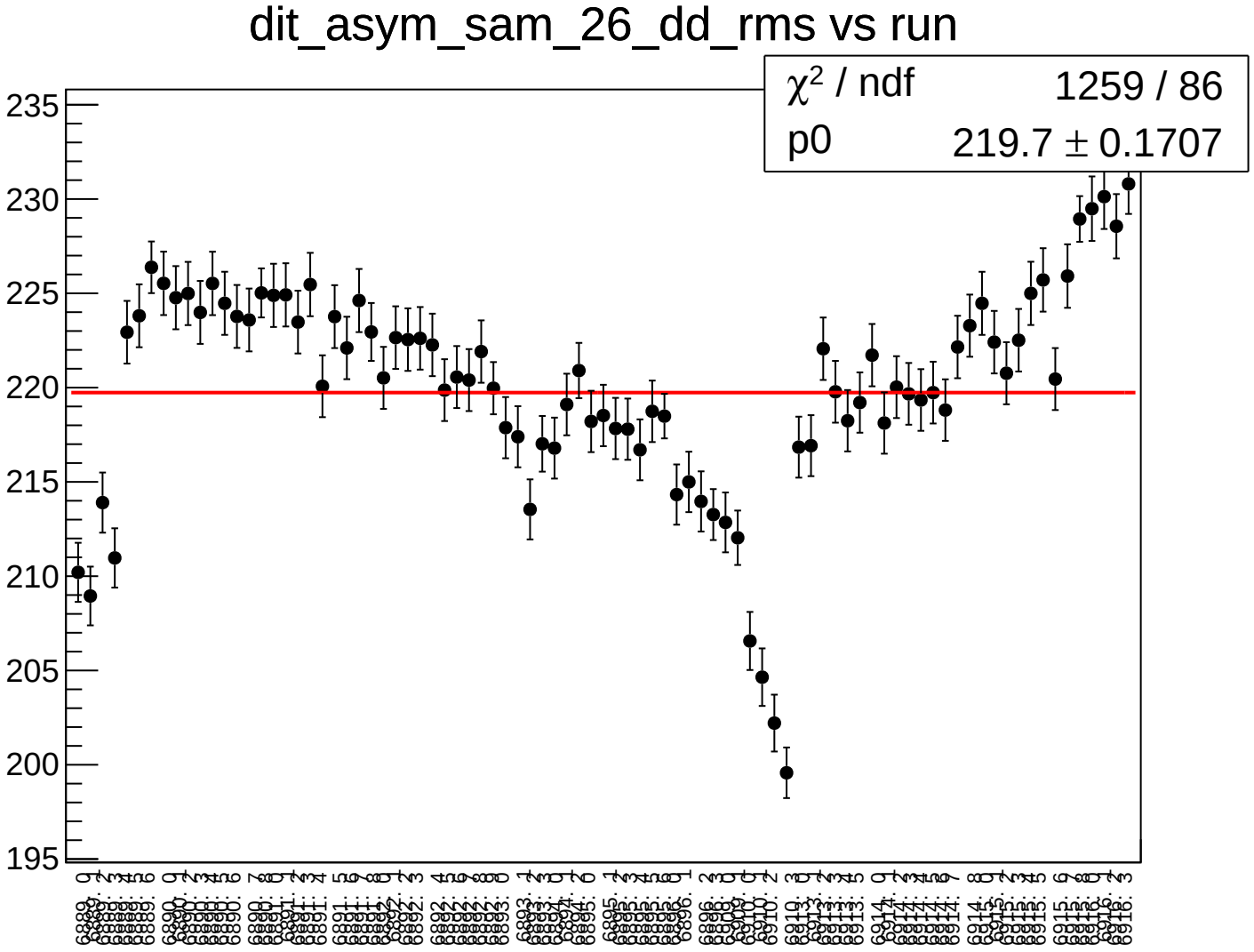


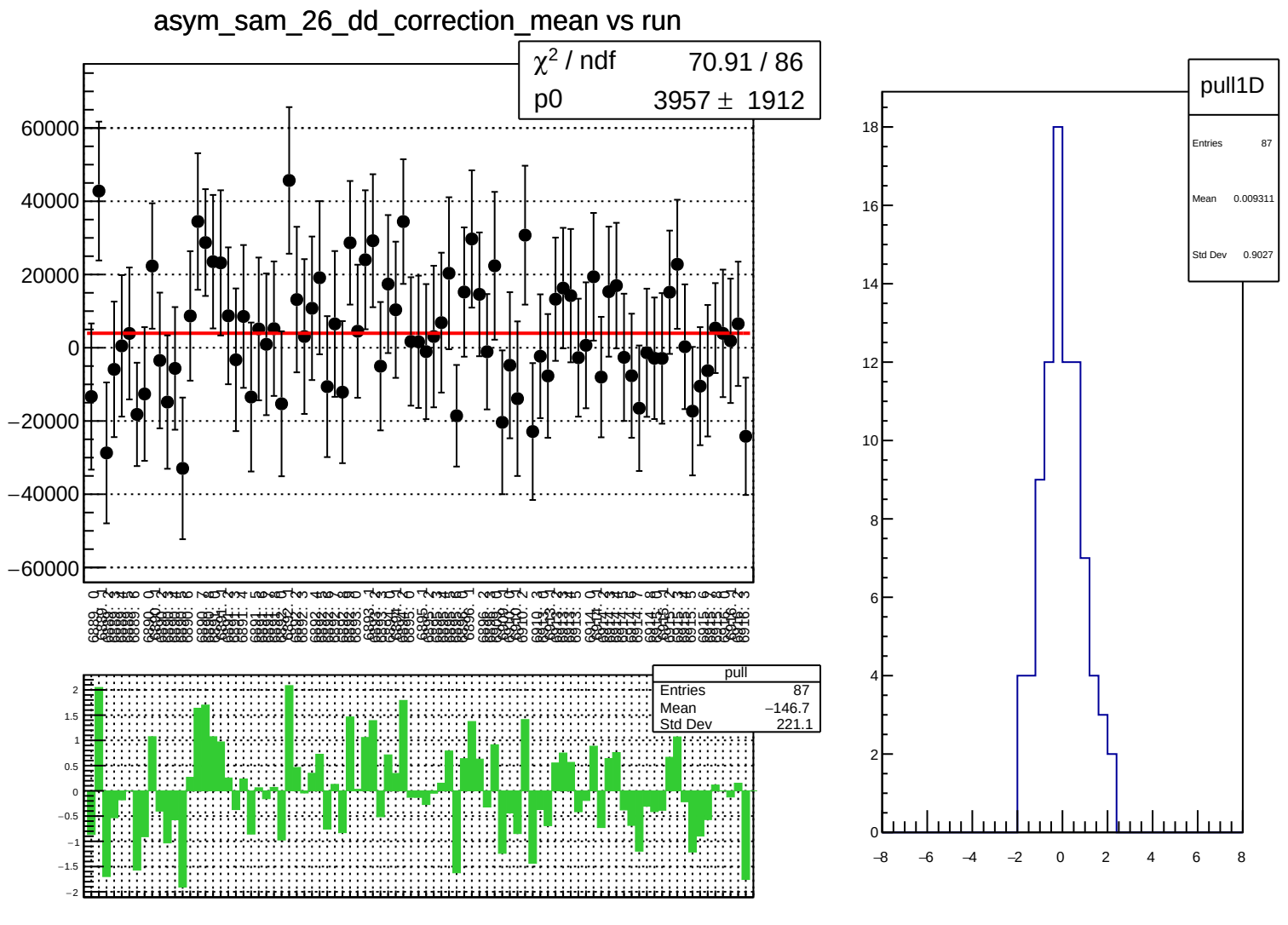

asym_sam_15_dd_mean vs run
χ^2 / ndf 80.5 / 86
p0 −1145 ± 758.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 196.8
Std Dev 196.7
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.008474
Std Dev 0.9619
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_dd_rms vs run

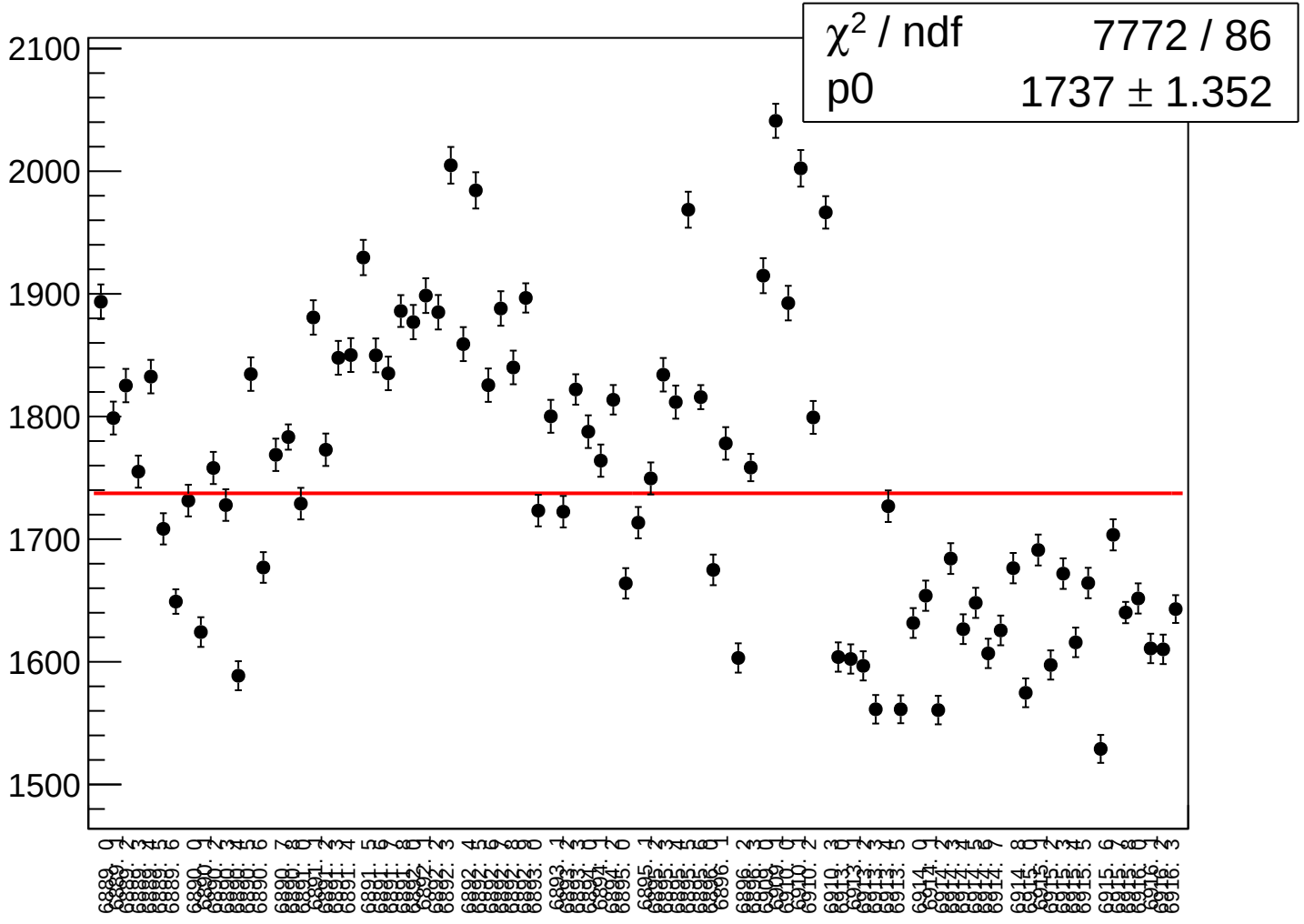


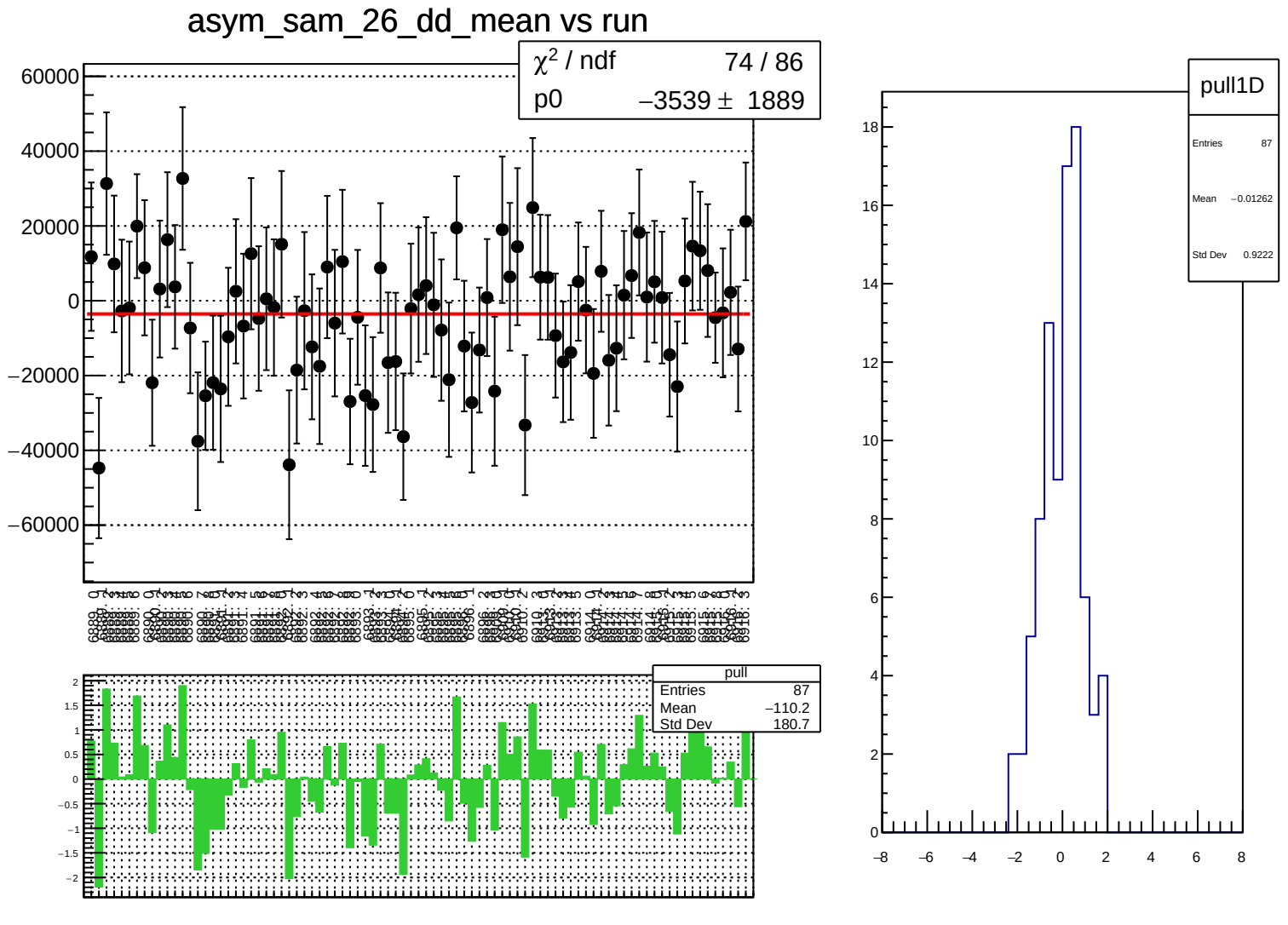

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 87.05 / 86
p0 365.1 ± 241.4
pull
Entries 87
Mean −37.34
Std Dev 60.4
pull1D
Entries 87
Mean −0.01324
Std Dev 1


dit_asym_sam_26_dd_rms vs run
χ² / ndf 1259 / 86
p0 219.7 ± 0.1707
235
230
225
220
215
210
205
200
195

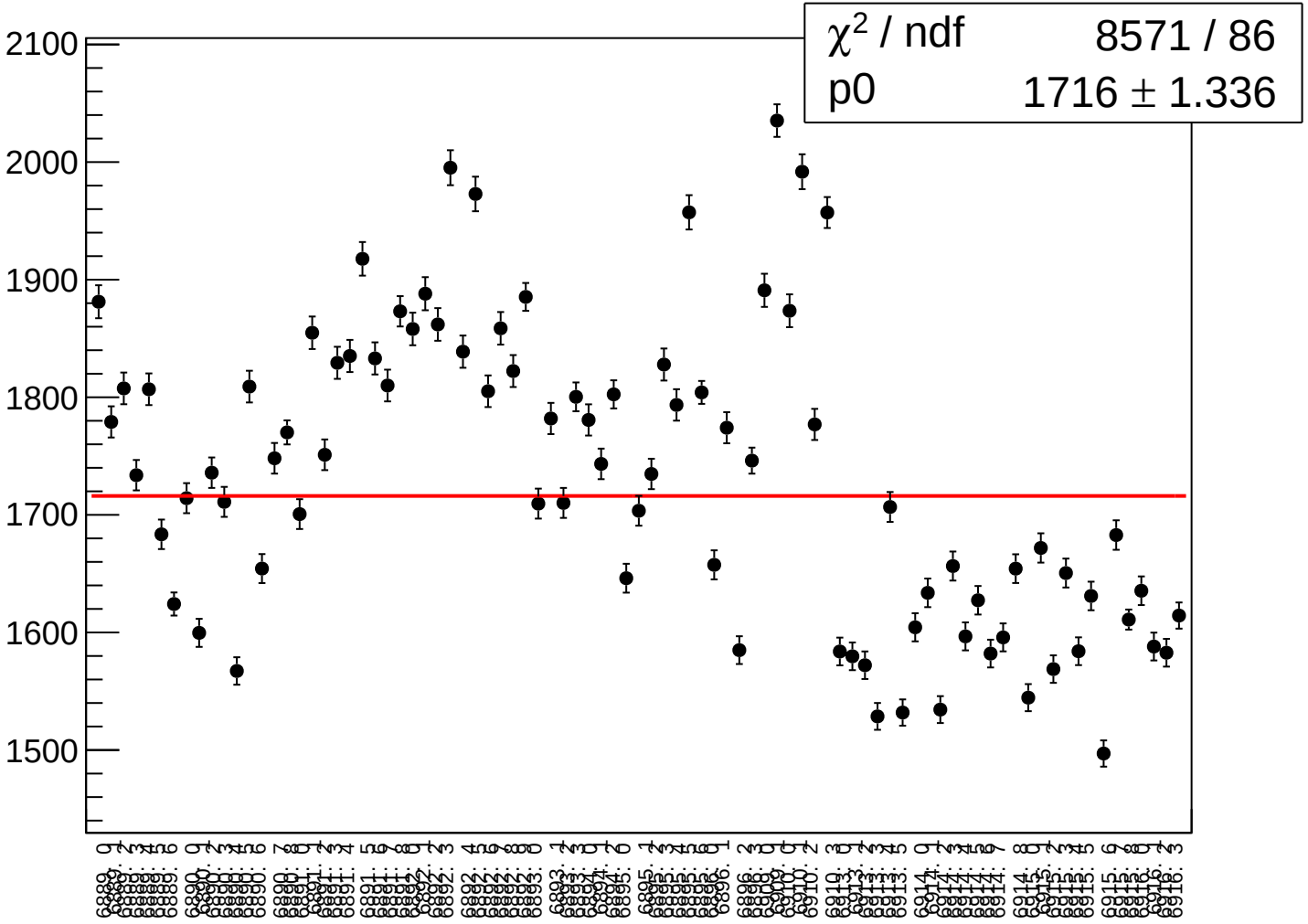

asym_sam_26_dd_correction_mean vs run
χ² / ndf 70.91 / 86
p0 3957 ± 1912
pull
Entries 87
Mean −146.7
Std Dev 221.1
pull1D
Entries 87
Mean 0.009311
Std Dev 0.9027

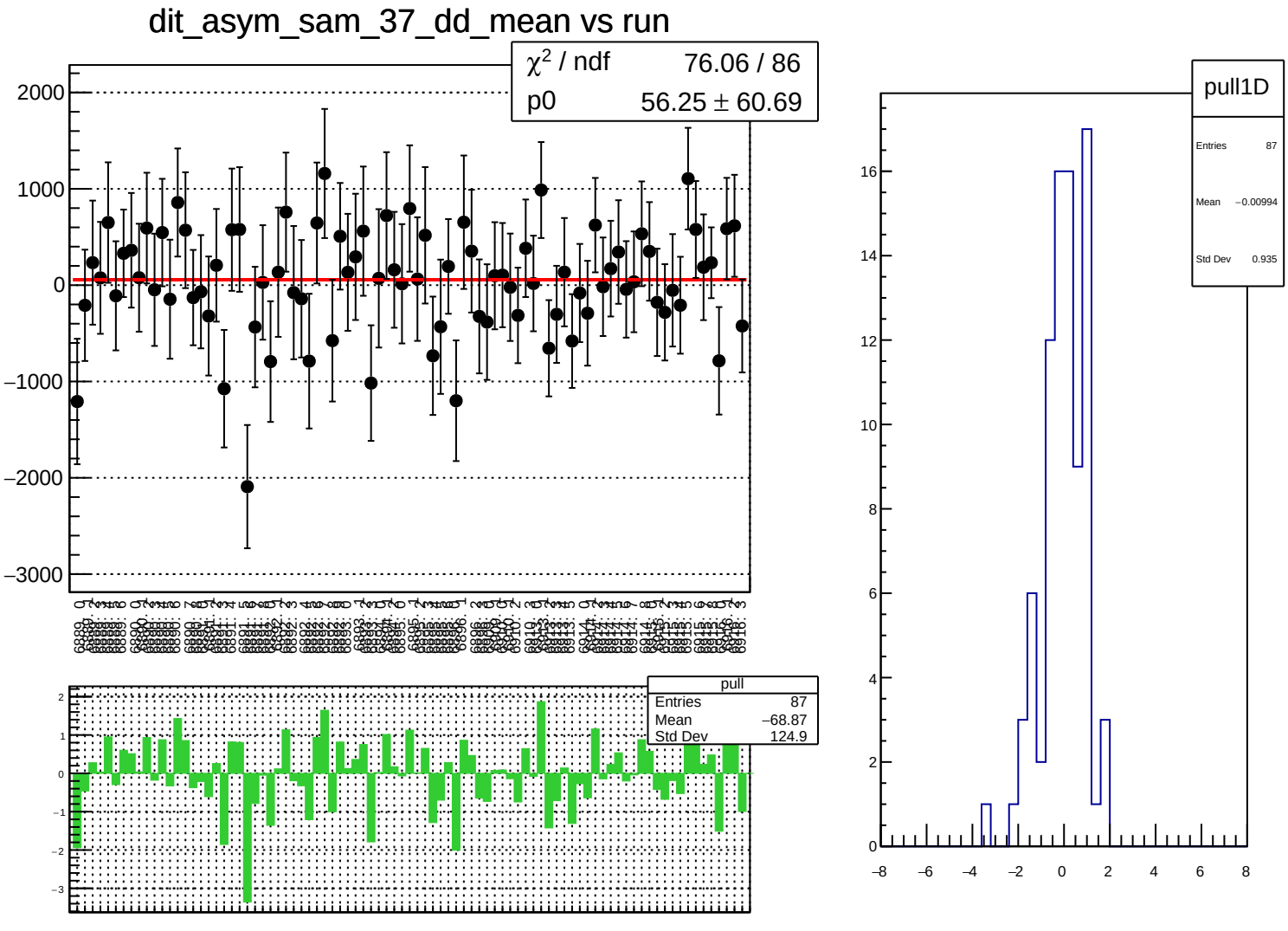
asym_sam_26_dd_correction_rms vs run



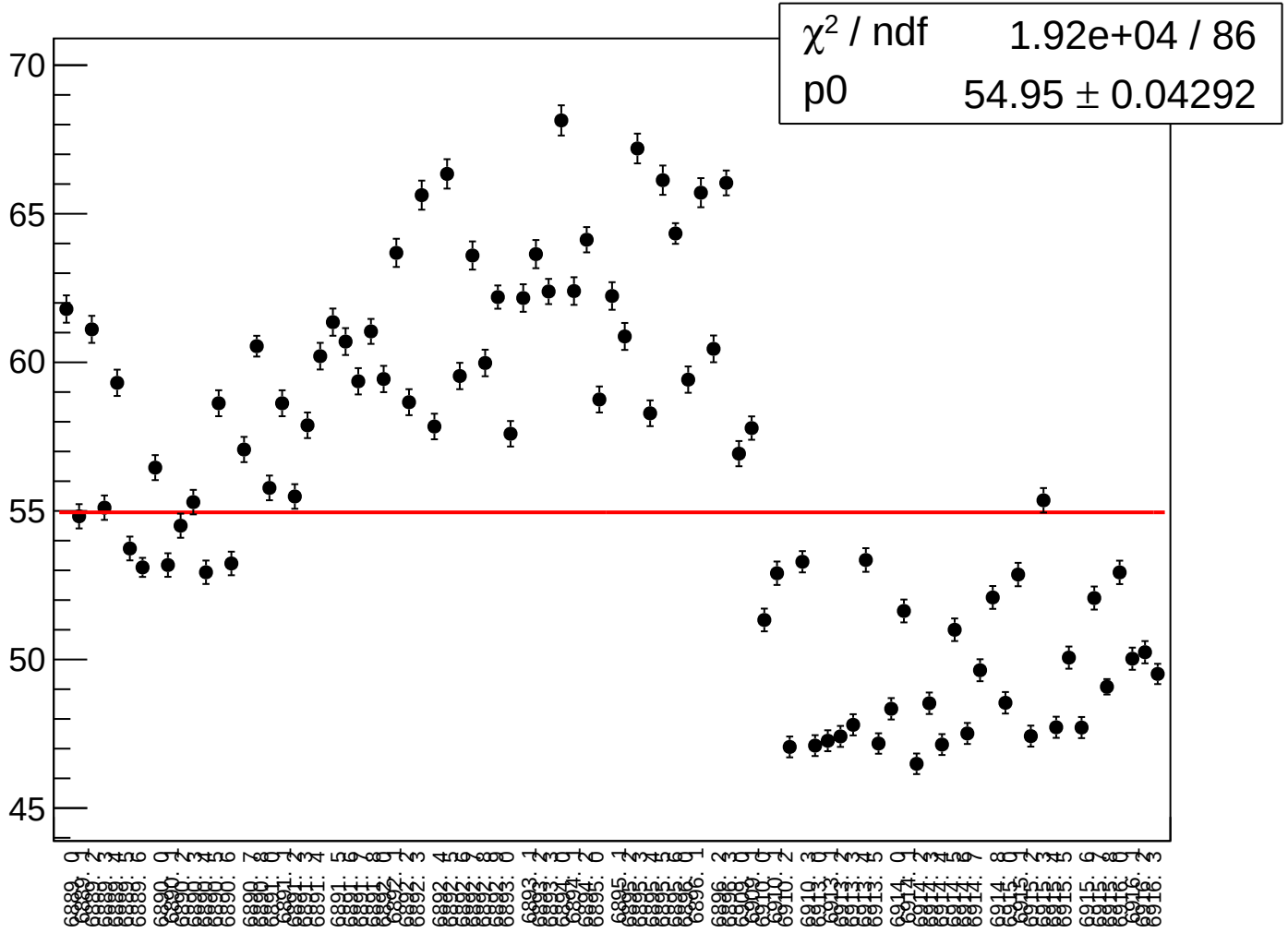

asym_sam_26_dd_mean vs run
χ² / ndf 74 / 86
p0 −3539 ± 1889
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −110.2
Std Dev 180.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.01262
Std Dev 0.9222
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

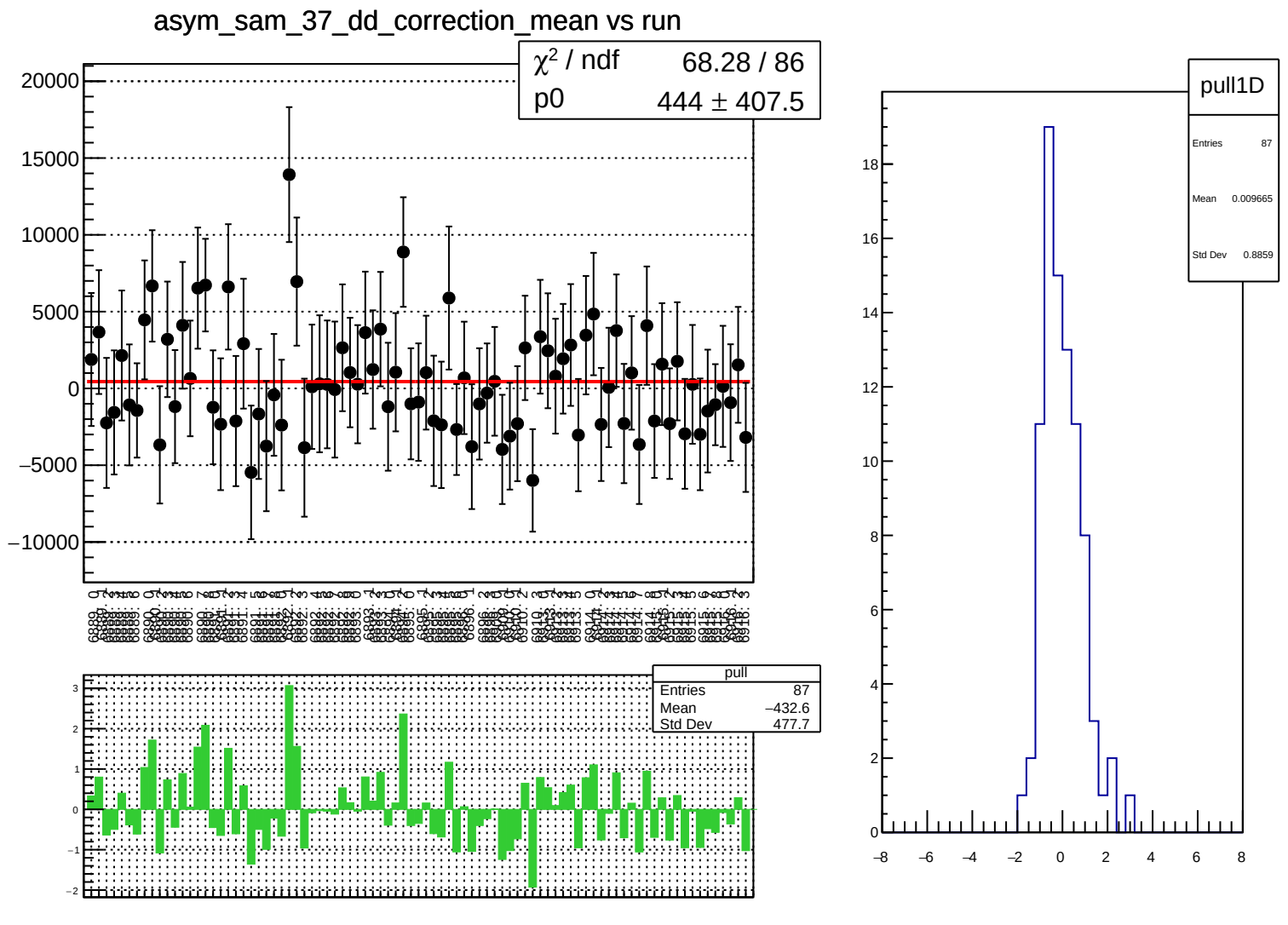
asym_sam_26_dd_rms vs run



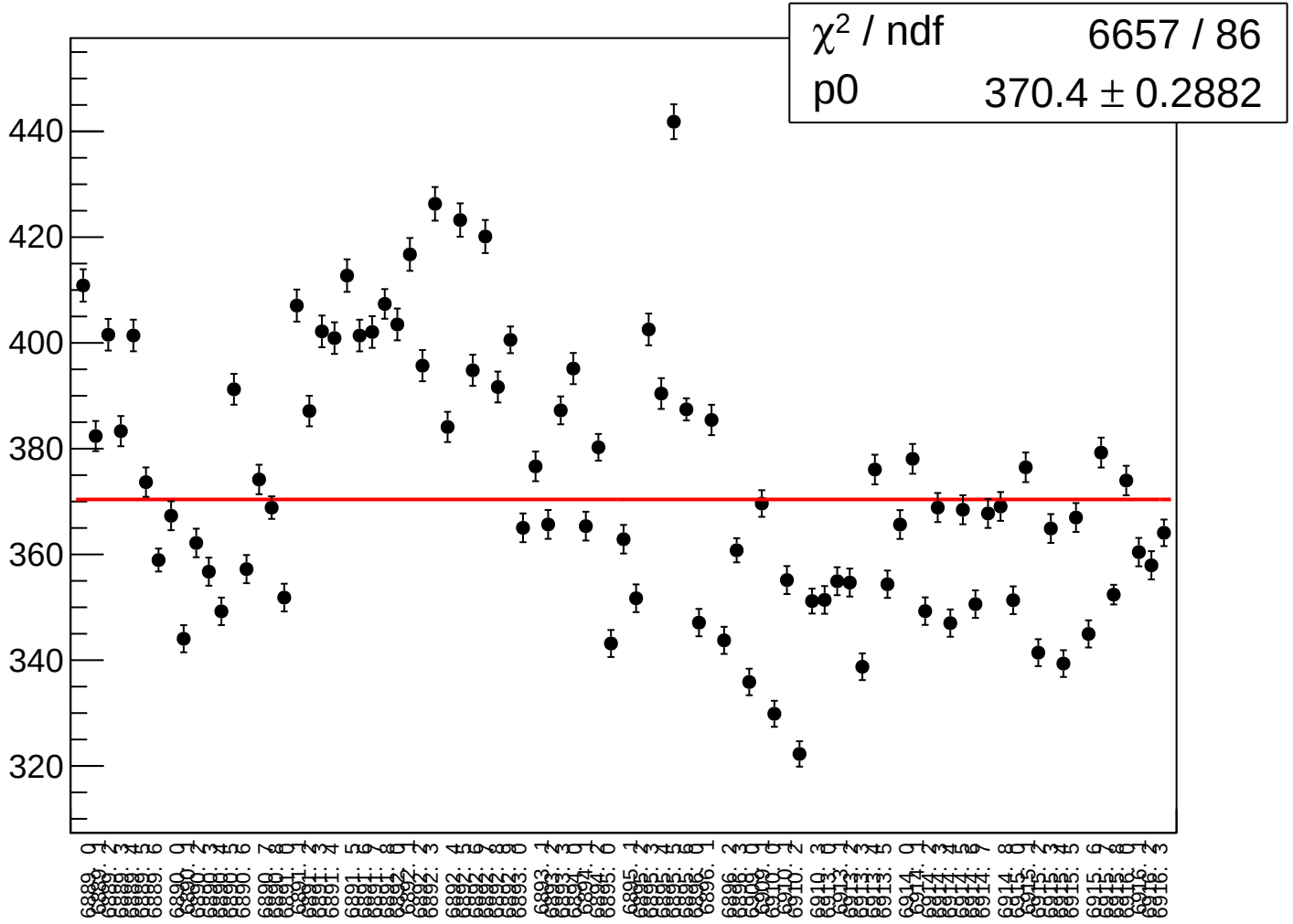

dit_asym_sam_37_dd_mean vs run
χ² / ndf 76.06 / 86
p0 56.25 ± 60.69
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −68.87
Std Dev 124.9
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.00994
Std Dev 0.935
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

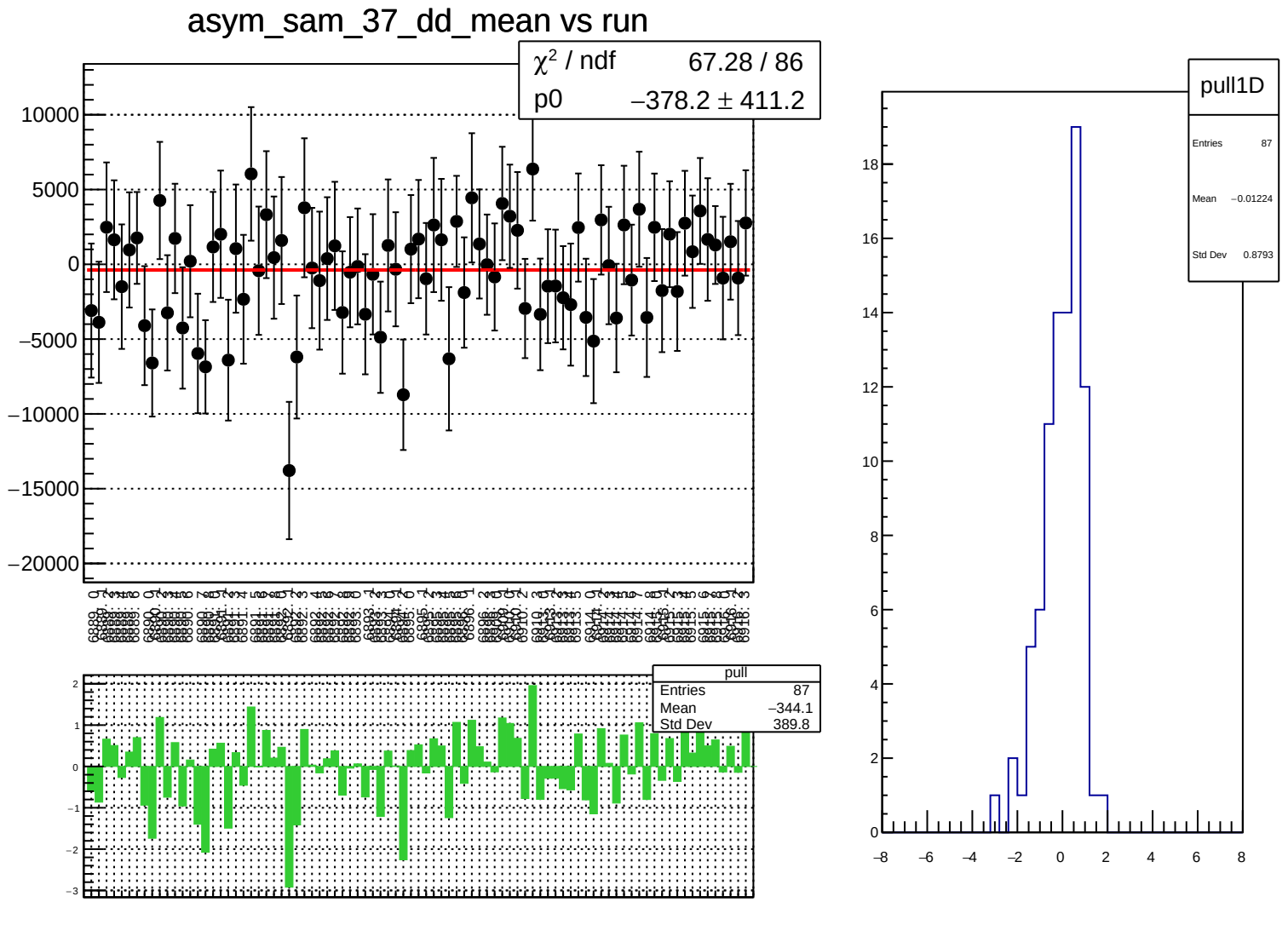
dit_asym_sam_37_dd_rms vs run

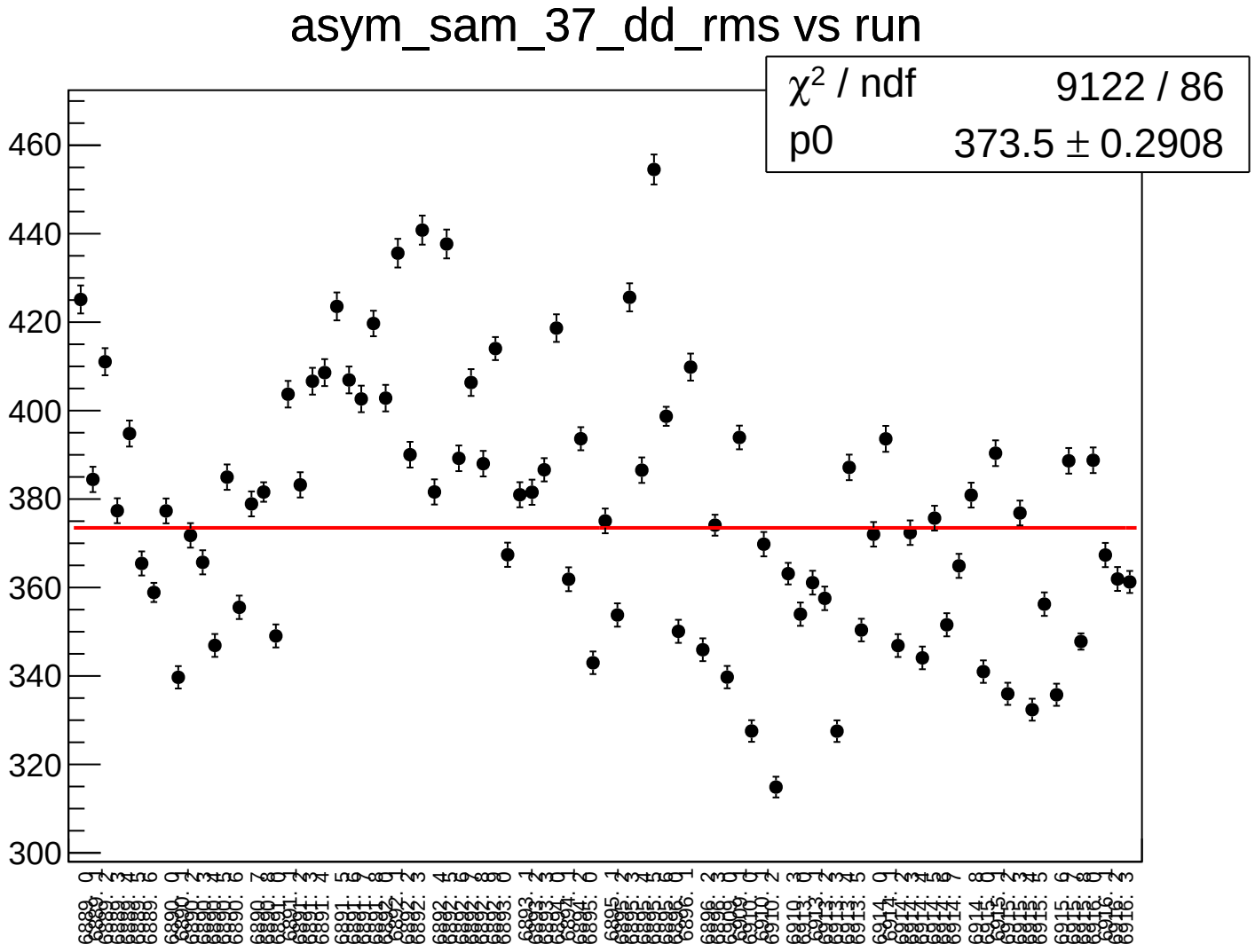


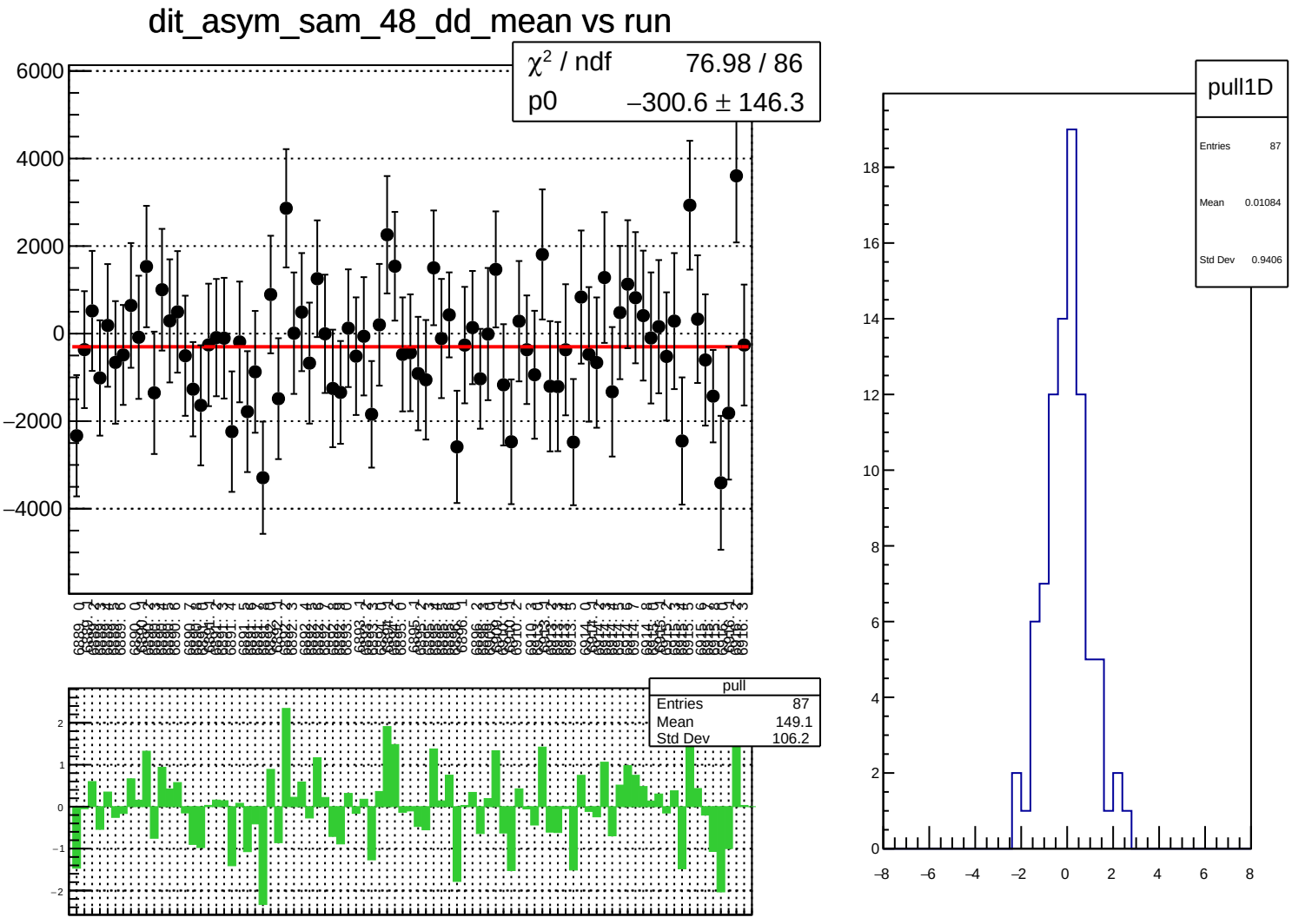

asym_sam_37_dd_correction_mean vs run
χ² / ndf 68.28 / 86
p0 444 ± 407.5
pull
Entries 87
Mean −432.6
Std Dev 477.7
pull1D
Entries 87
Mean 0.009665
Std Dev 0.8859

asym_sam_37_dd_correction_rms vs run

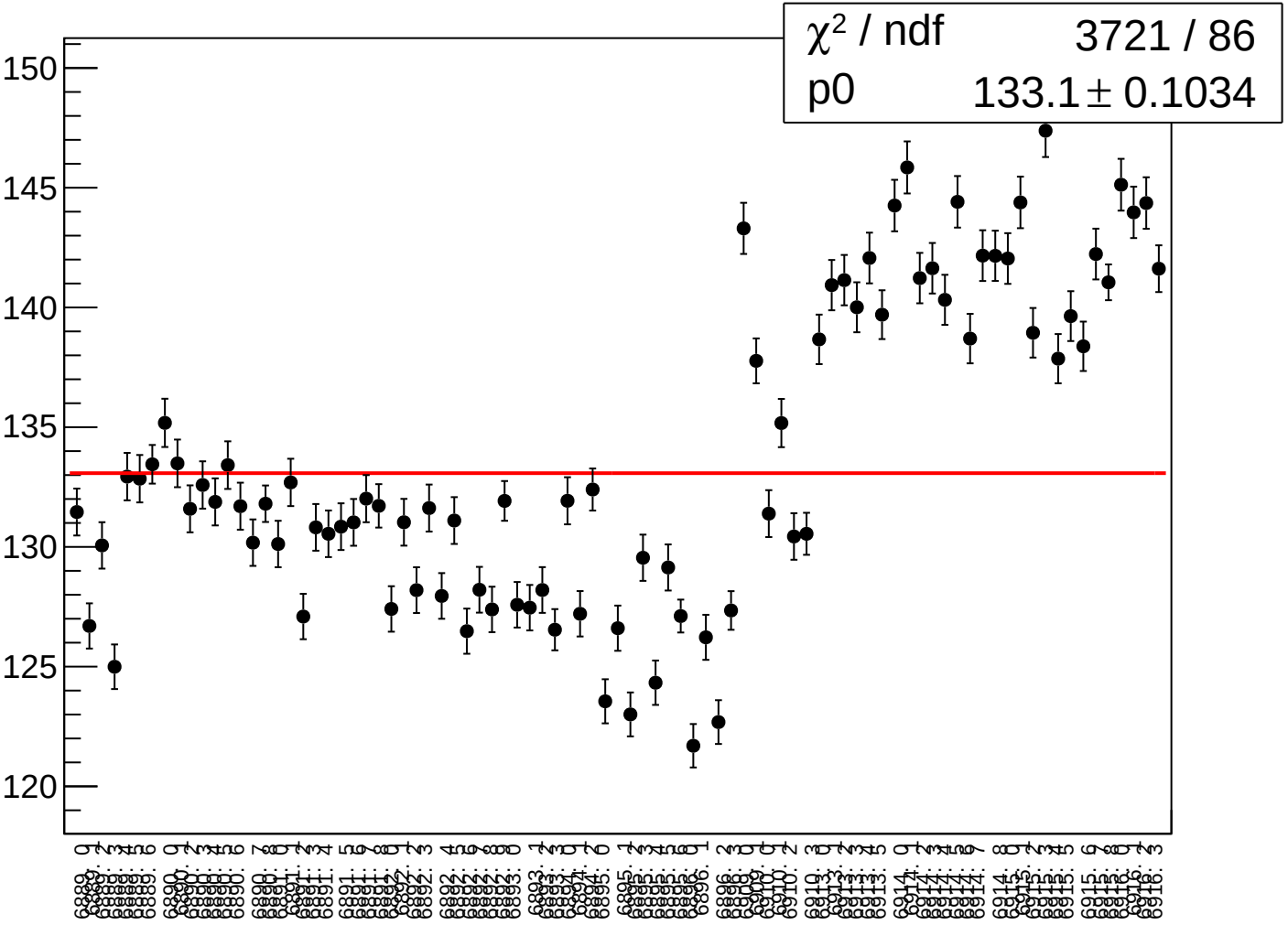


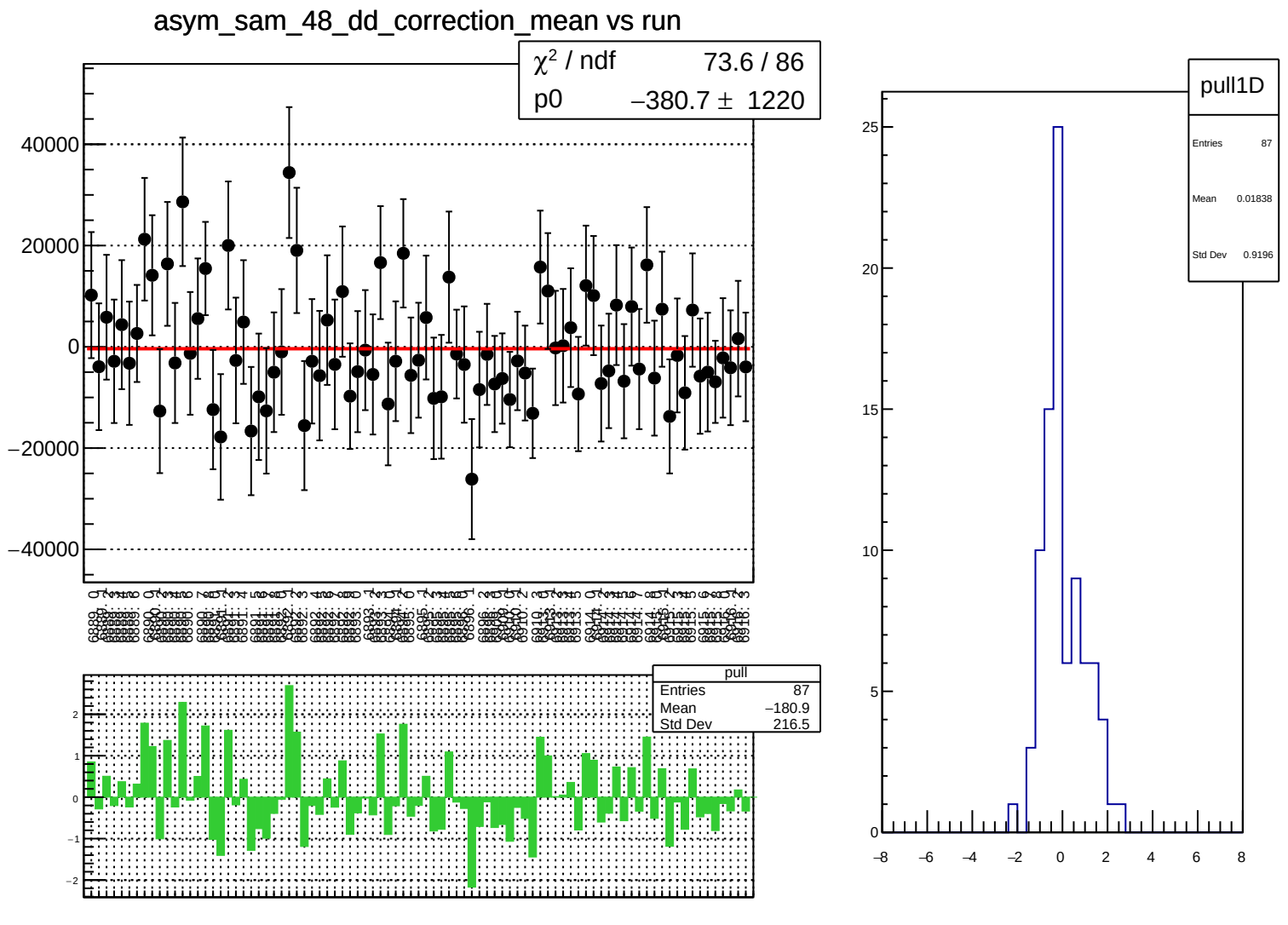

asym_sam_37_dd_mean vs run
χ² / ndf 67.28 / 86
p0 −378.2 ± 411.2
pull
Entries 87
Mean −344.1
Std Dev 389.8
pull1D
Entries 87
Mean −0.01224
Std Dev 0.8793

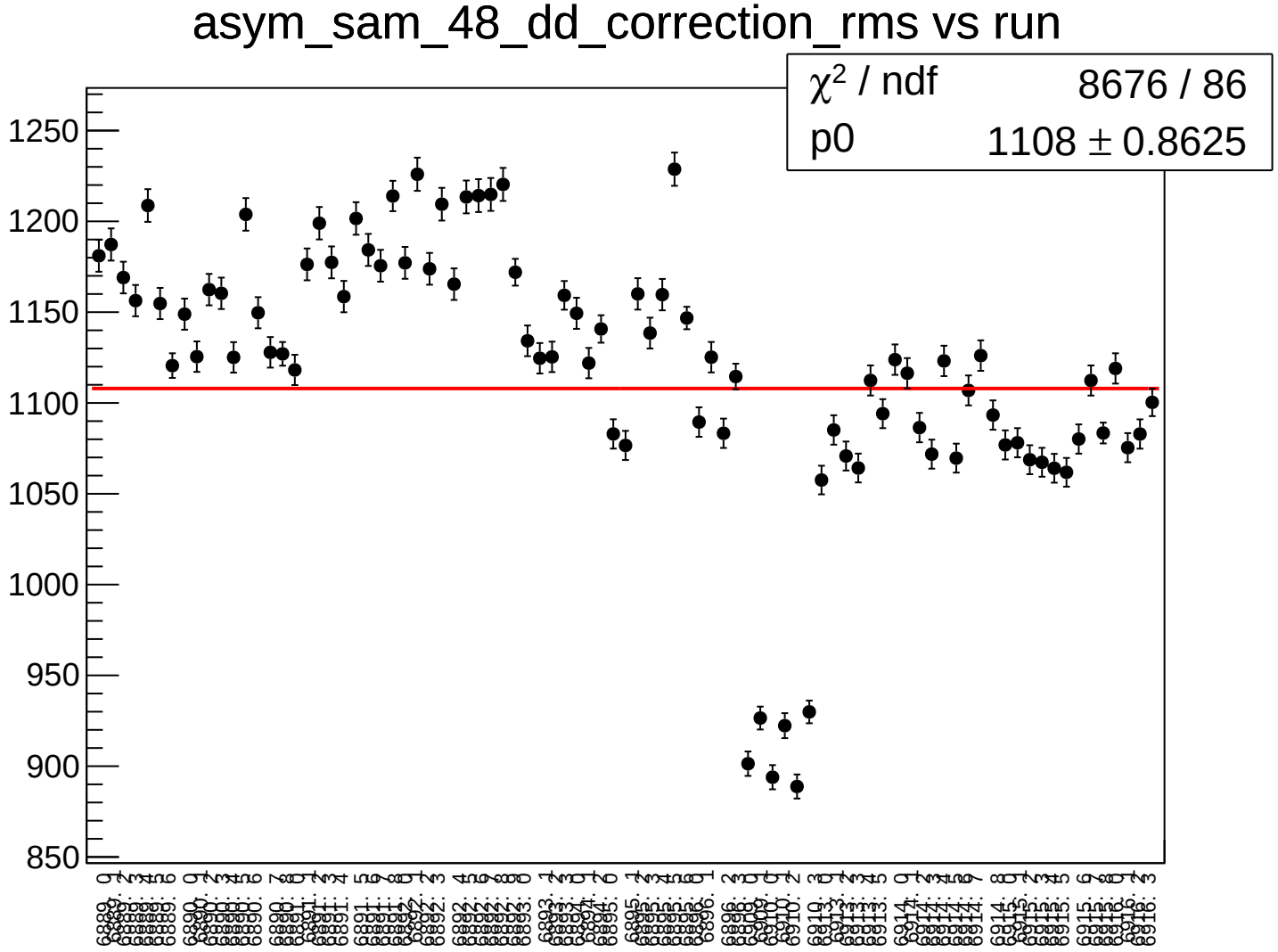

asym_sam_37_dd_rms vs run
χ^2 / ndf 9122 / 86
p0 373.5 ± 0.2908
460
440
420
400
380
360
340
320
300

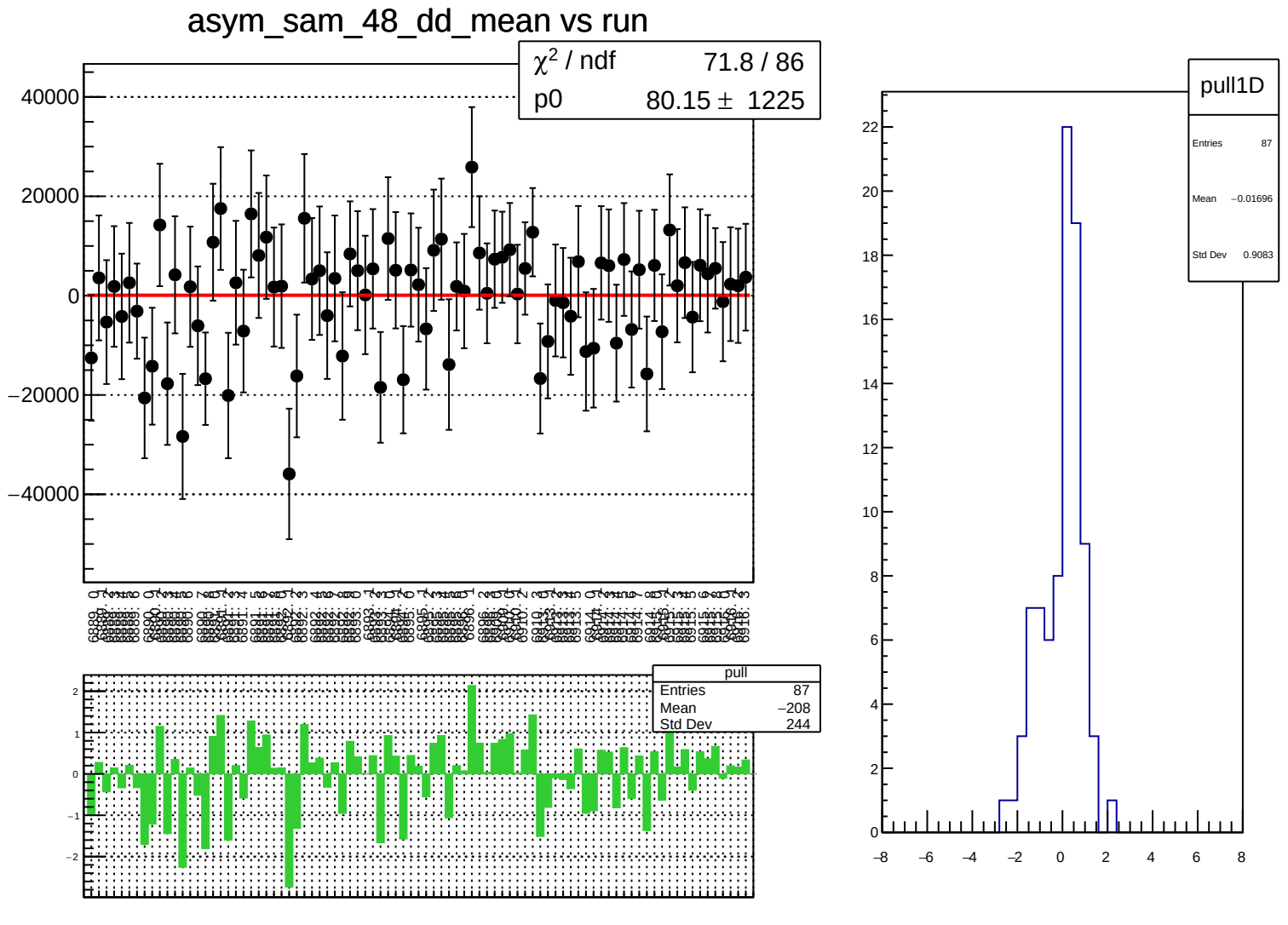

dit_asym_sam_48_dd_mean vs run
χ² / ndf 76.98 / 86
p0 −300.6 ± 146.3
6000
4000
2000
0
−2000
−4000
pull
Entries 87
Mean 149.1
Std Dev 106.2
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01084
Std Dev 0.9406
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

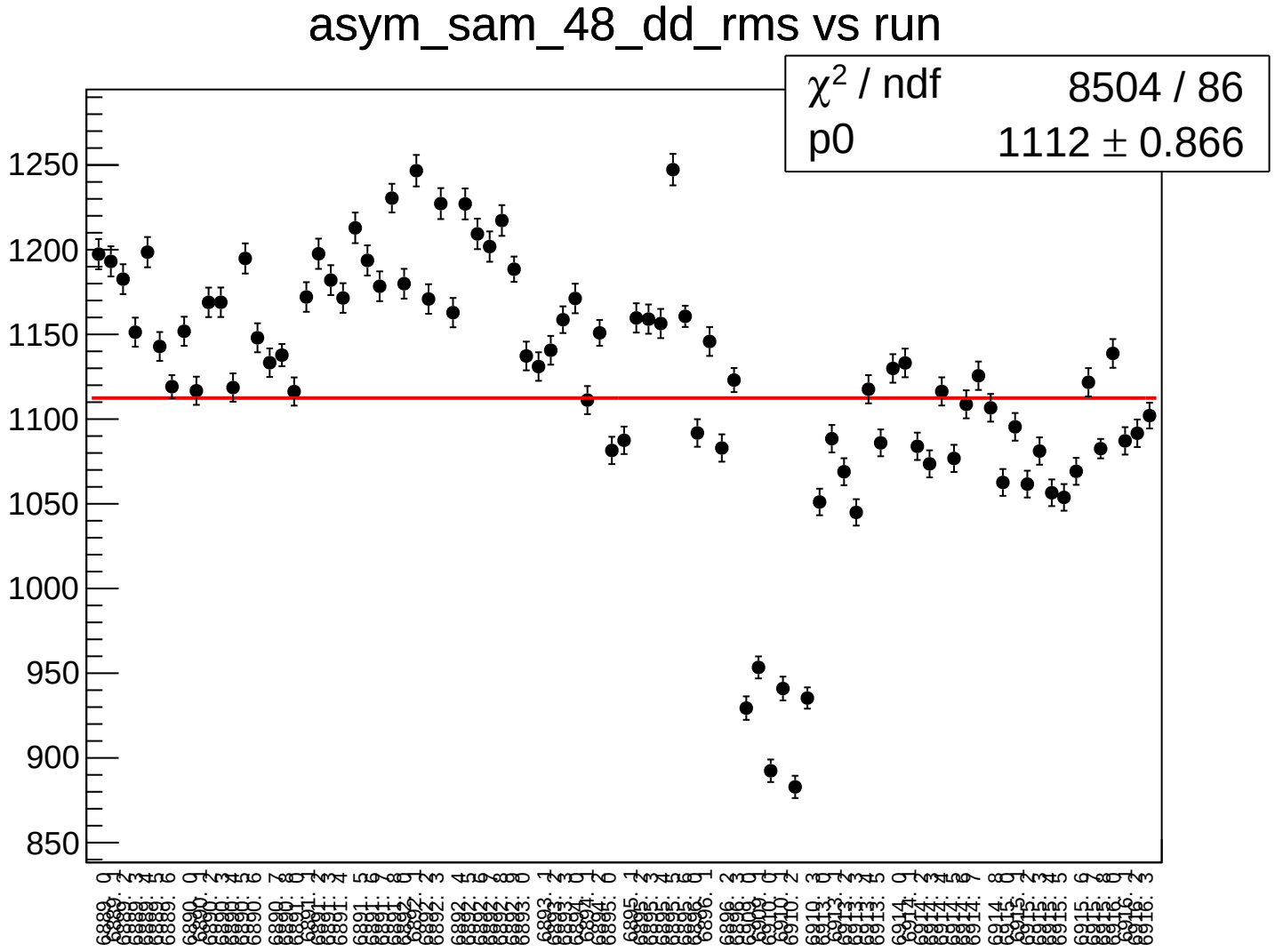
dit_asym_sam_48_dd_rms vs run

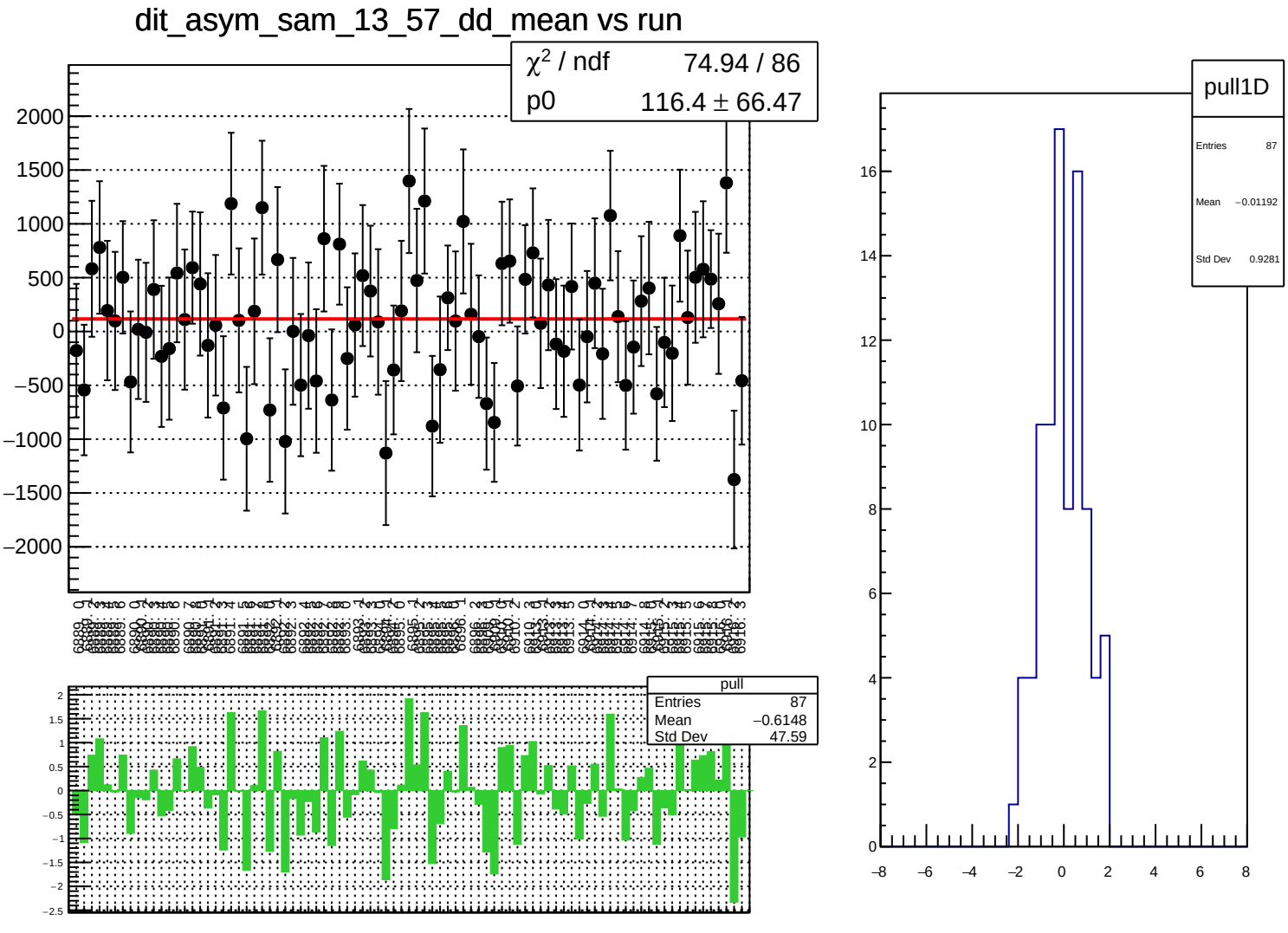



asym_sam_48_dd_correction_mean vs run
χ² / ndf 73.6 / 86
p0 −380.7 ± 1220
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −180.9
Std Dev 216.5
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01838
Std Dev 0.9196
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

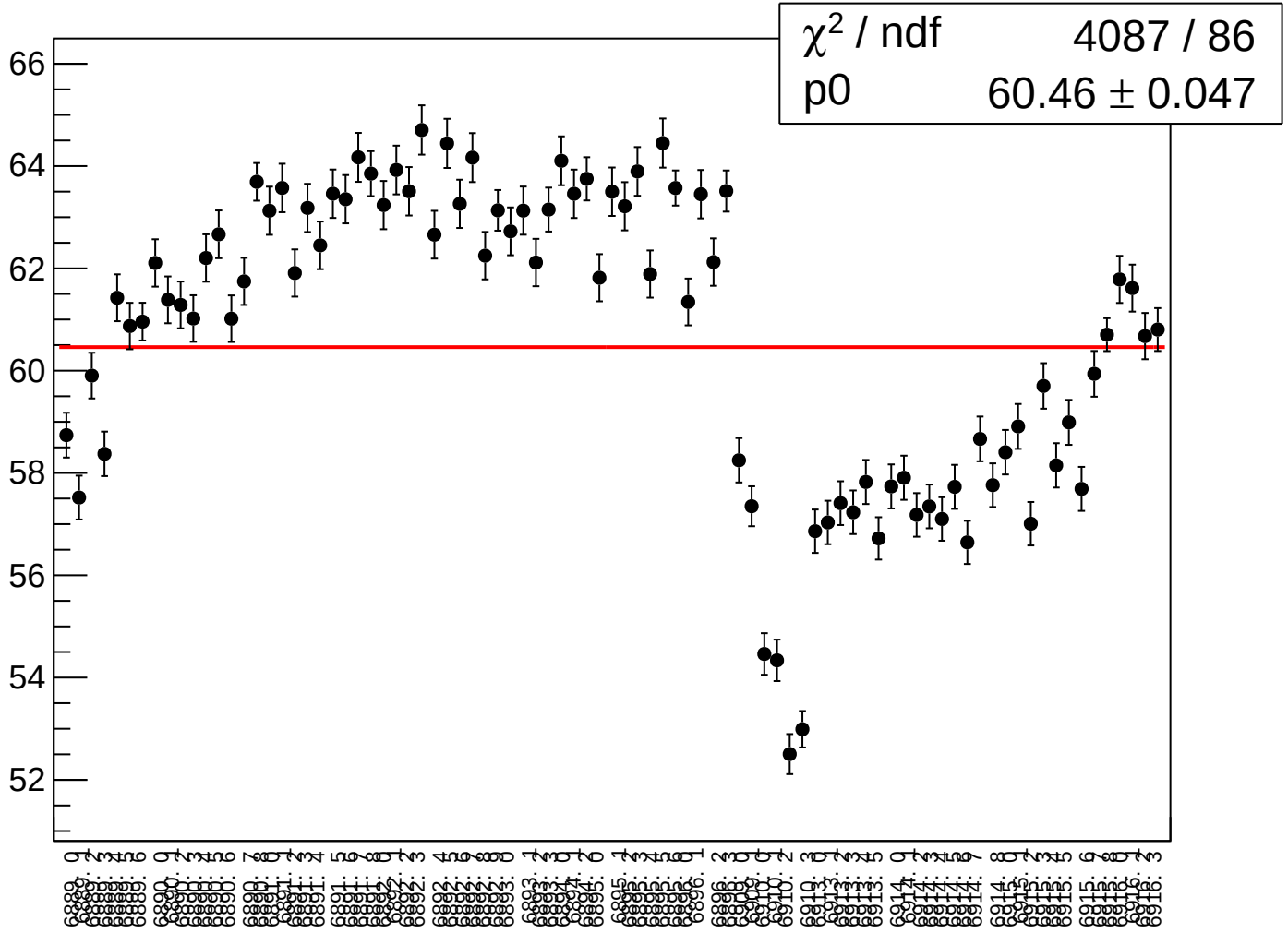

asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 8676 / 86
p0 1108 ± 0.8625
1250
1200
1150
1100
1050
1000
950
900
850

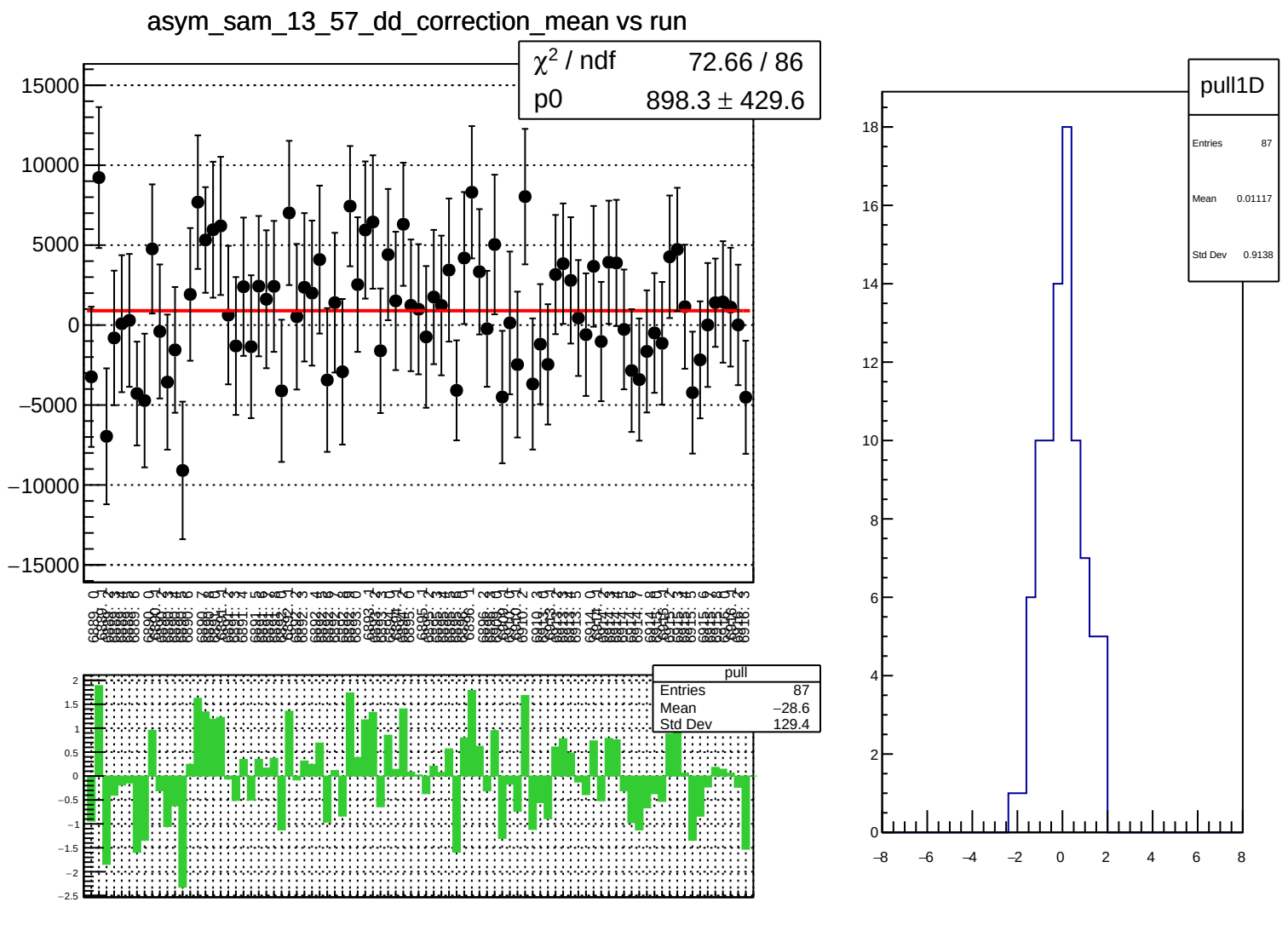

asym_sam_48_dd_mean vs run
χ^2 / ndf 71.8 / 86
p0 80.15 ± 1225
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −208
Std Dev 244
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01696
Std Dev 0.9083
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_rms vs run
χ^2 / ndf 8504 / 86
p0 1112 ± 0.866
1250
1200
1150
1100
1050
1000
950
900
850

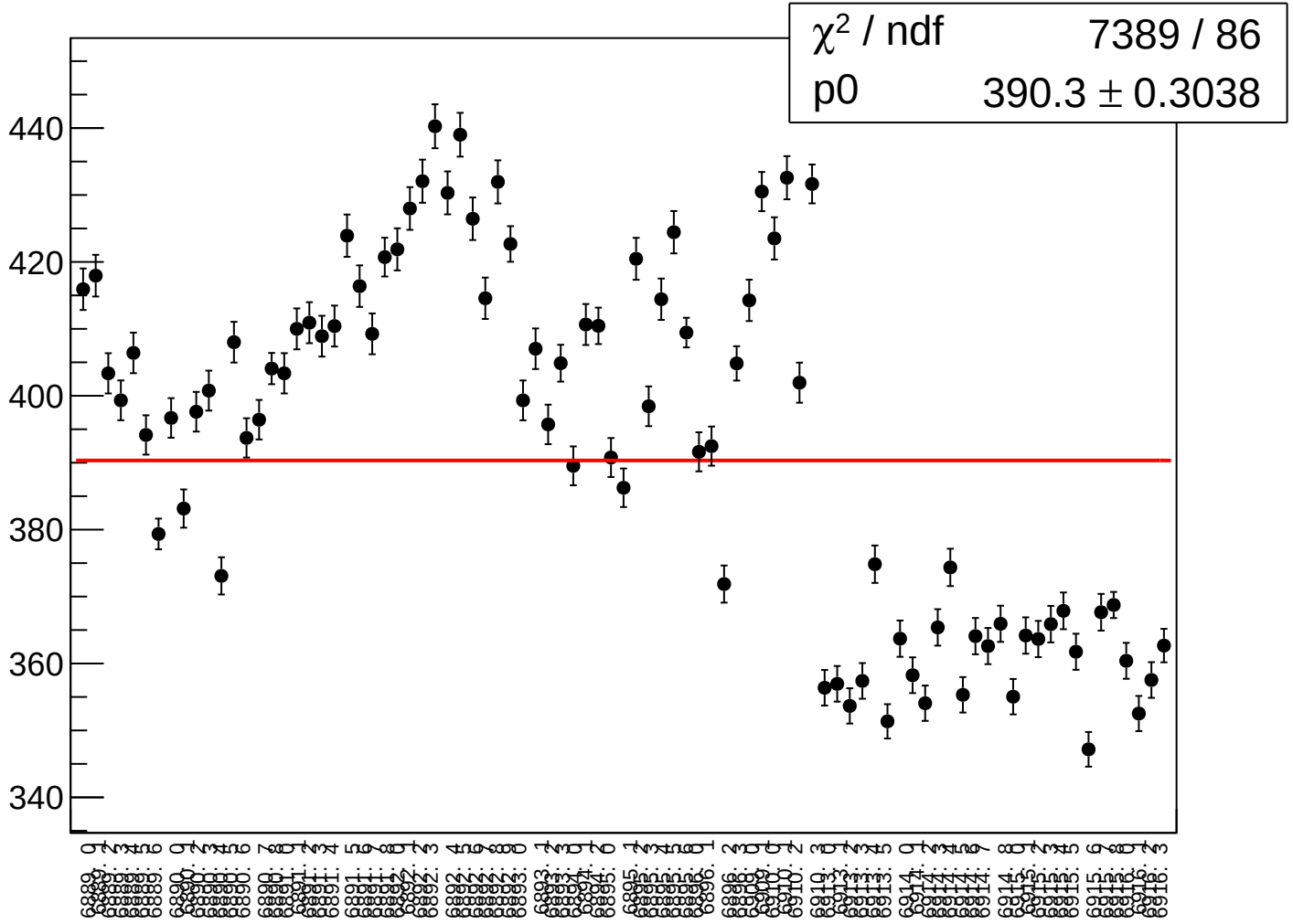

dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 74.94 / 86
p0 116.4 ± 66.47
pull
Entries 87
Mean −0.6148
Std Dev 47.59
pull1D
Entries 87
Mean −0.01192
Std Dev 0.9281

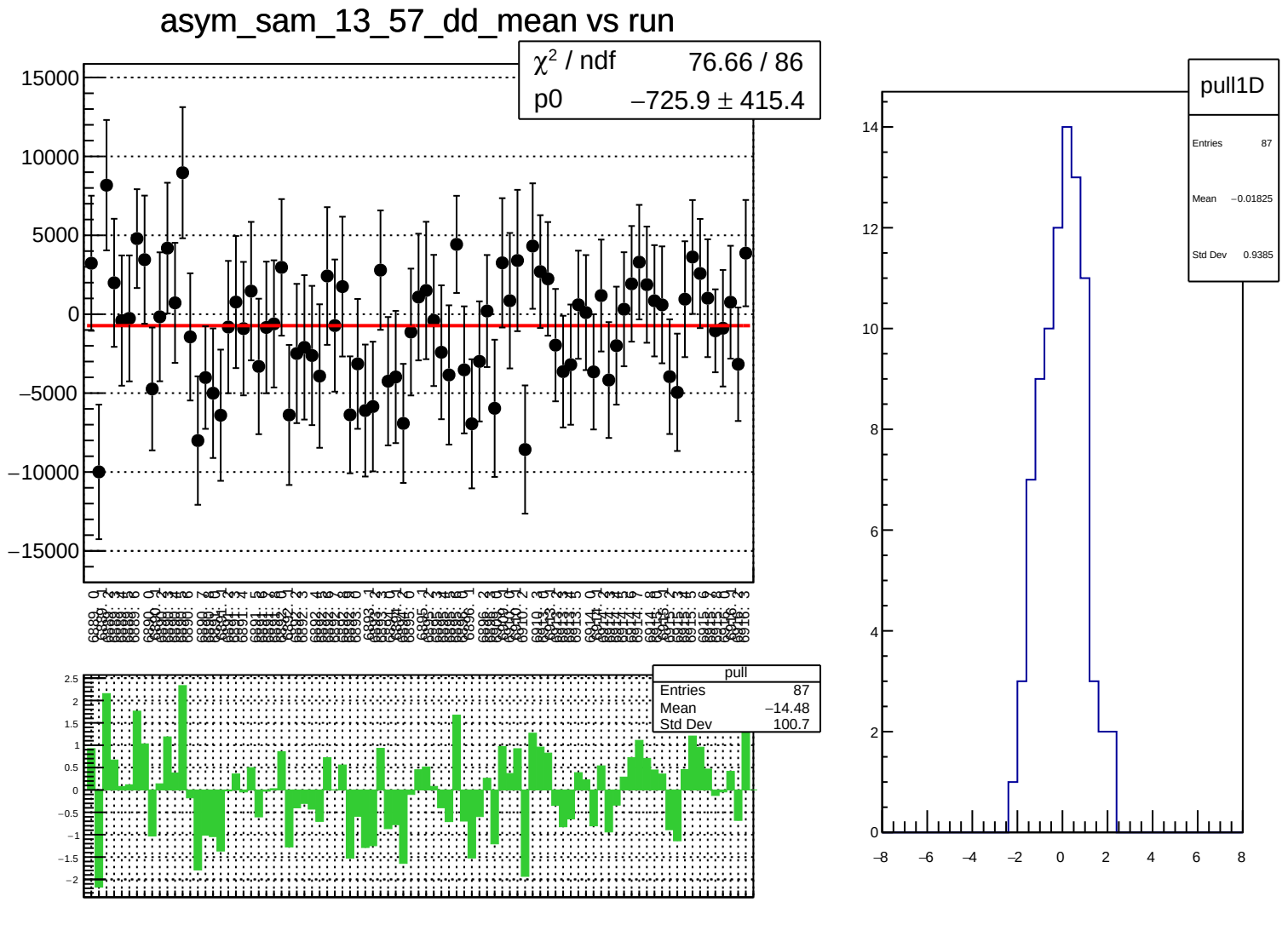
dit_asym_sam_13_57_dd_rms vs run



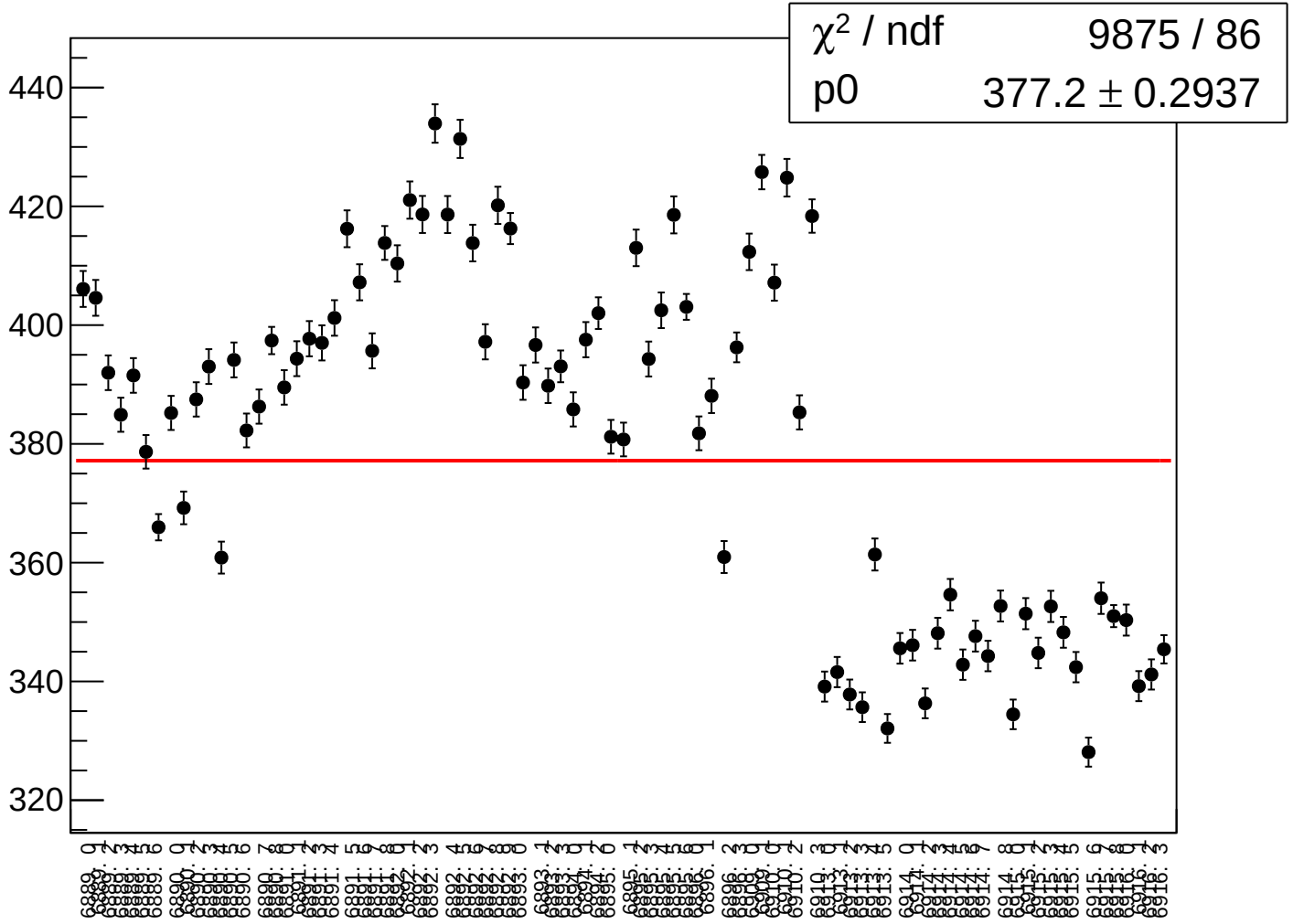

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 72.66 / 86
p0 898.3 ± 429.6
pull
Entries 87
Mean −28.6
Std Dev 129.4
pull1D
Entries 87
Mean 0.01117
Std Dev 0.9138

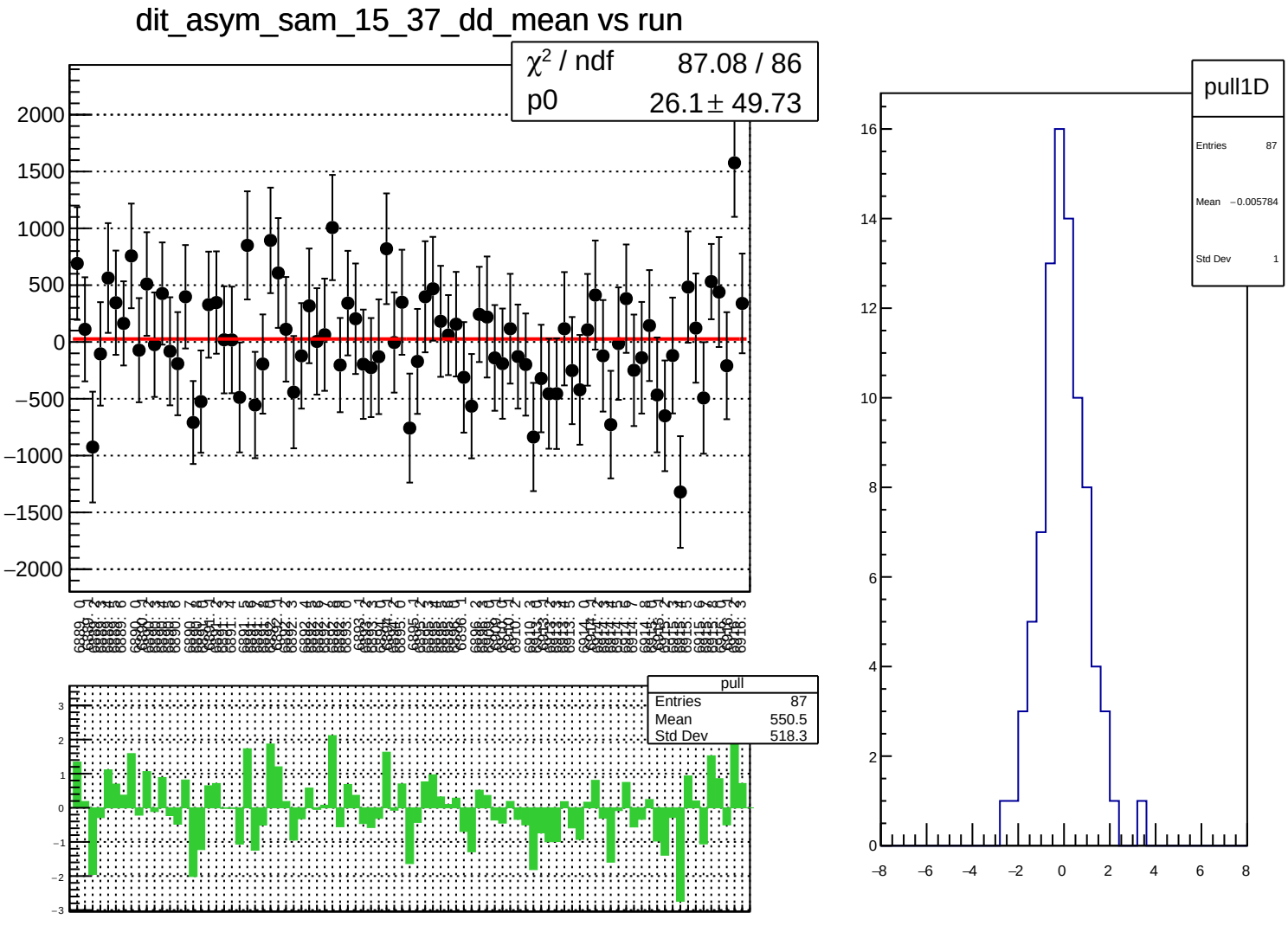
asym_sam_13_57_dd_correction_rms vs run



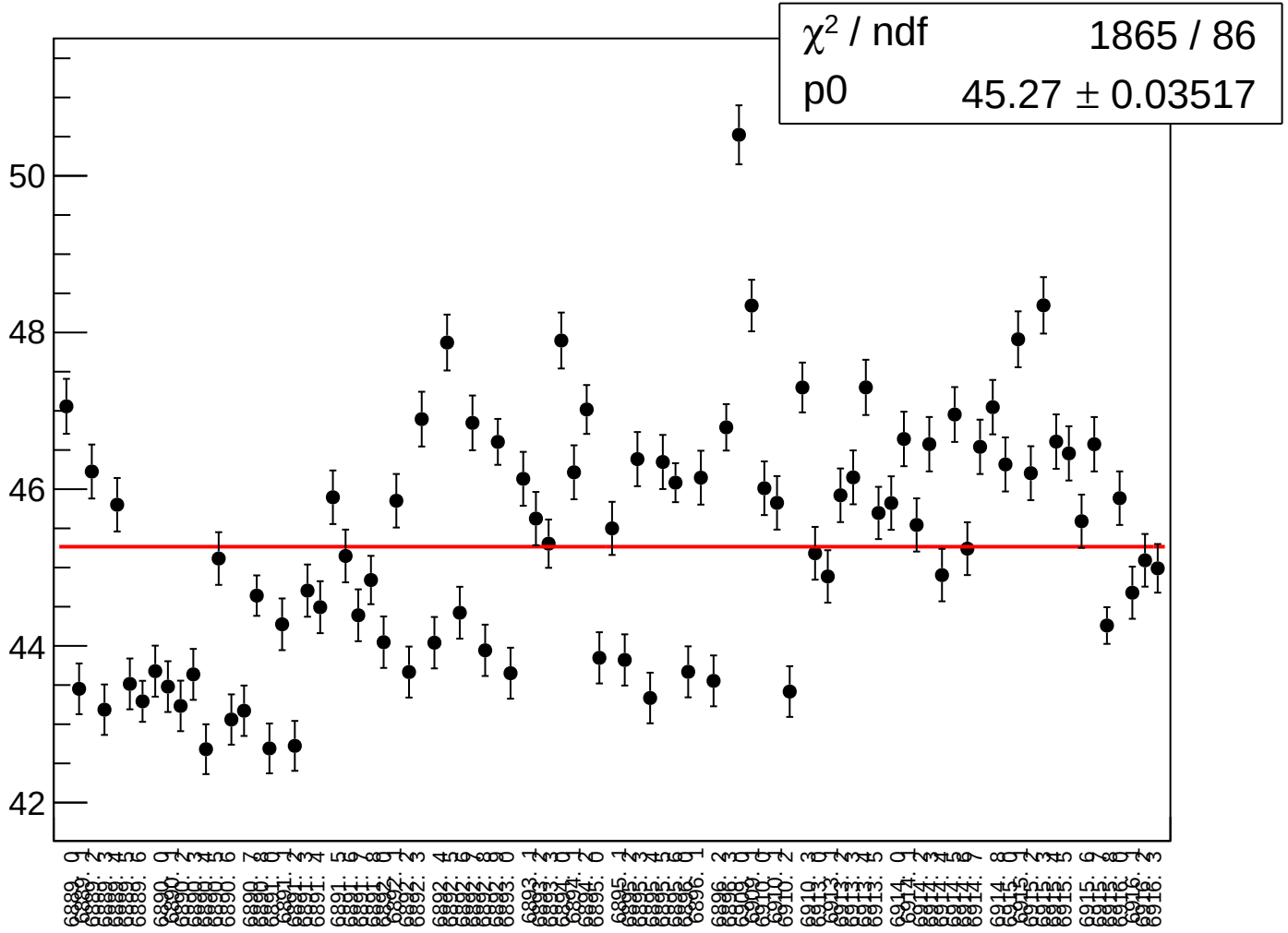

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.66 / 86
p0 −725.9 ± 415.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −14.48
Std Dev 100.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.01825
Std Dev 0.9385
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

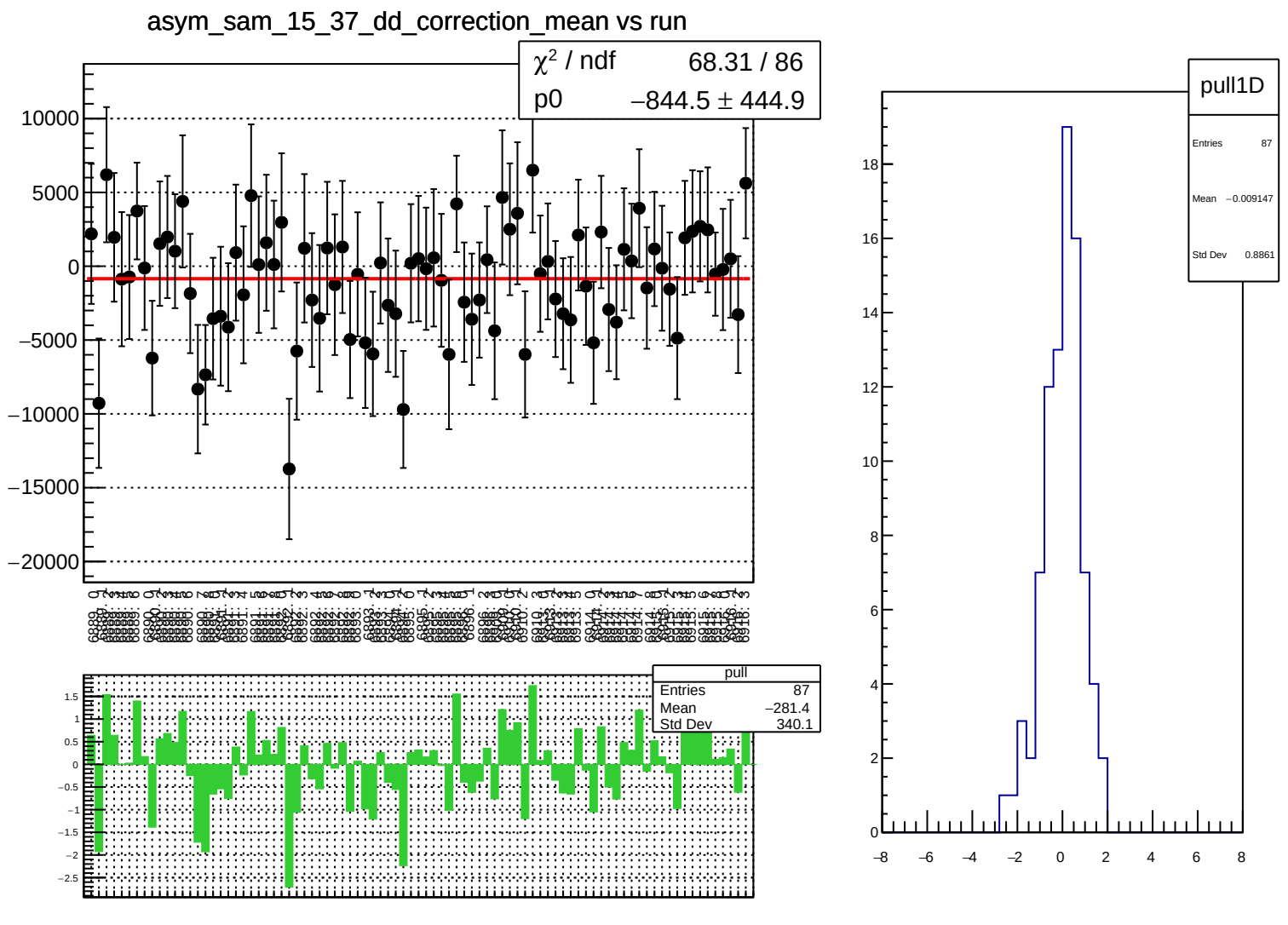
asym_sam_13_57_dd_rms vs run

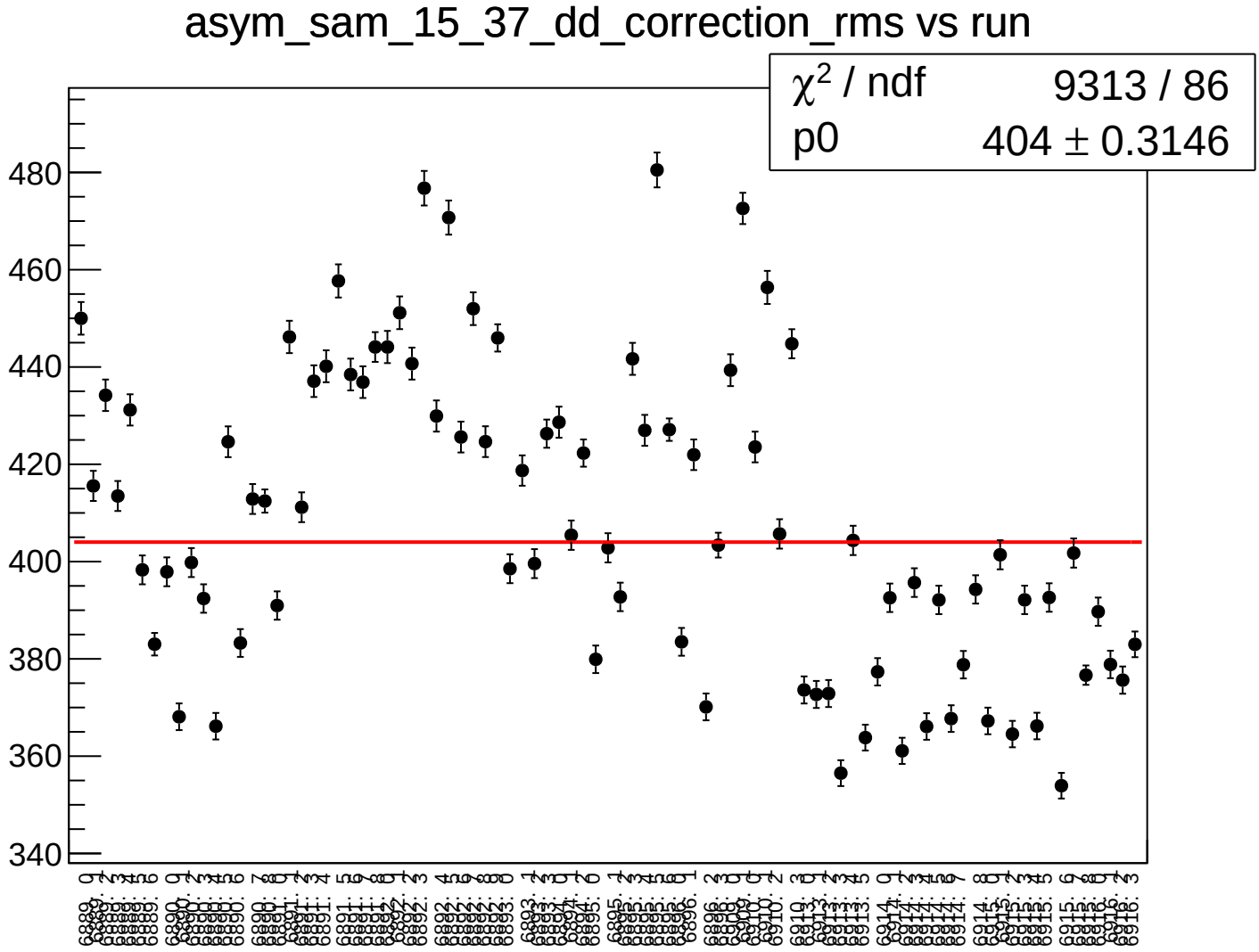


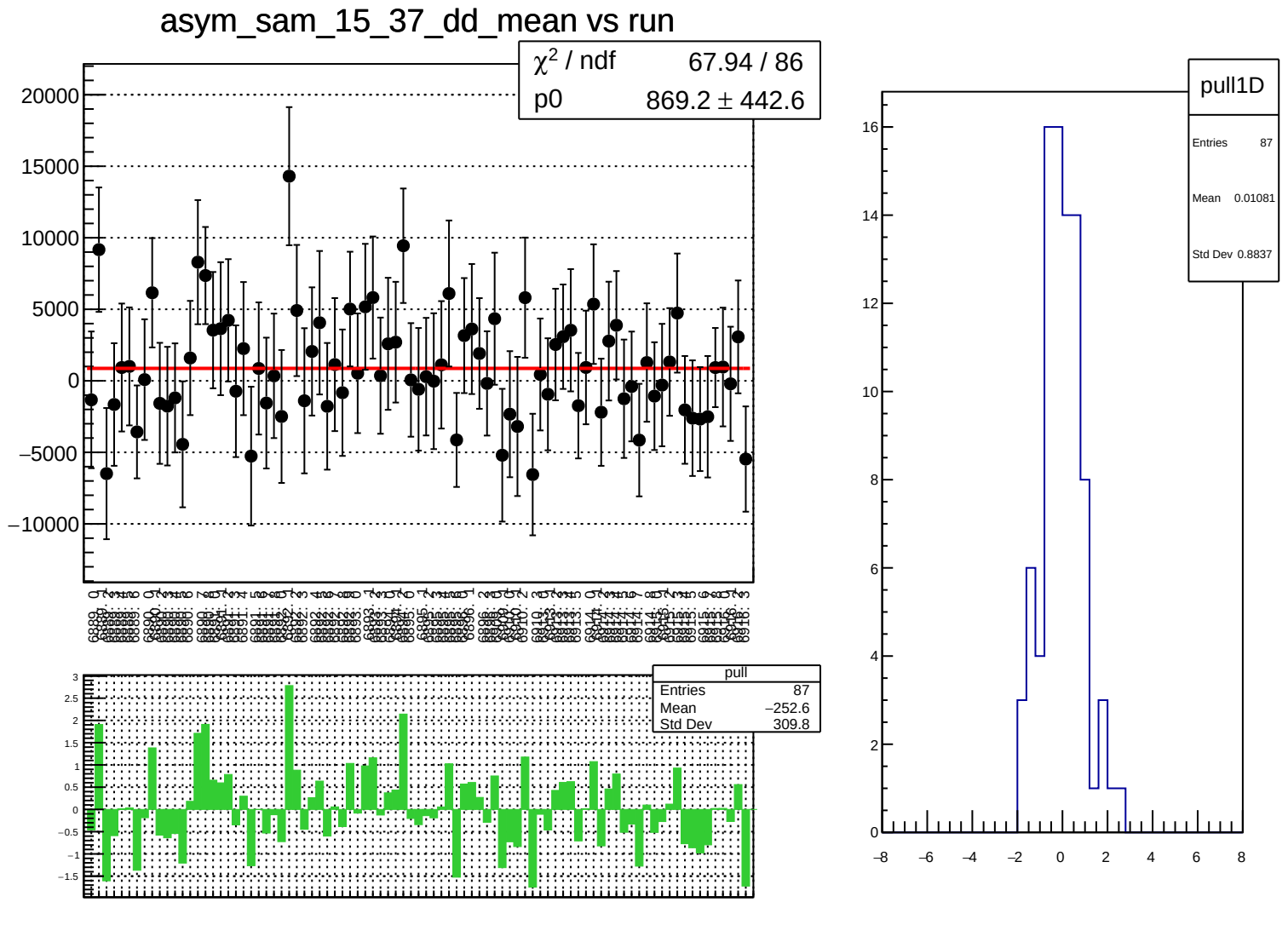

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 87.08 / 86
p0 26.1 ± 49.73
pull
Entries 87
Mean 550.5
Std Dev 518.3
pull1D
Entries 87
Mean −0.005784
Std Dev 1

dit_asym_sam_15_37_dd_rms vs run

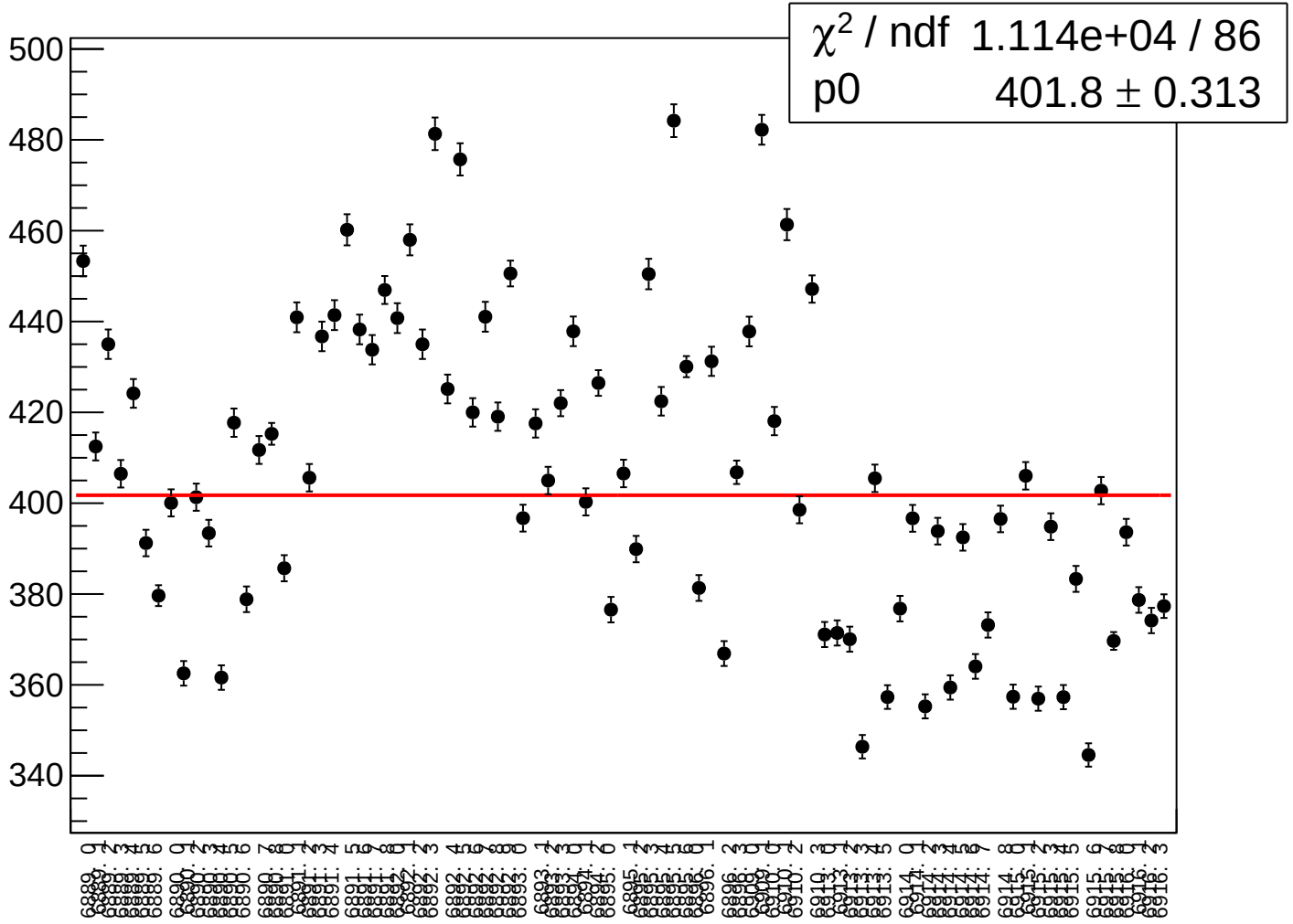


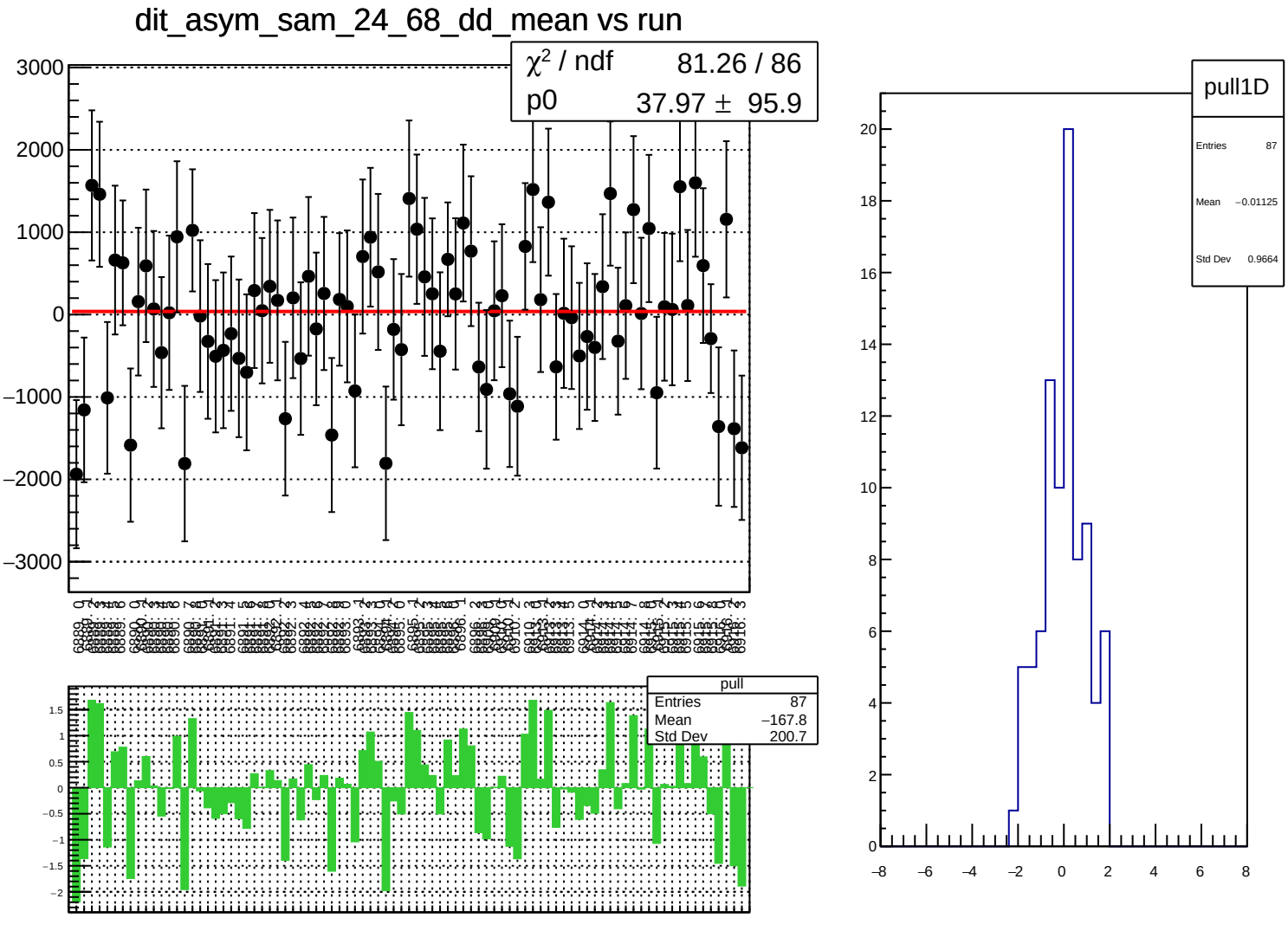

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 68.31 / 86
p0 −844.5 ± 444.9
pull
Entries 87
Mean −281.4
Std Dev 340.1
pull1D
Entries 87
Mean −0.009147
Std Dev 0.8861


asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 9313 / 86
p0 404 ± 0.3146
480
460
440
420
400
380
360
340

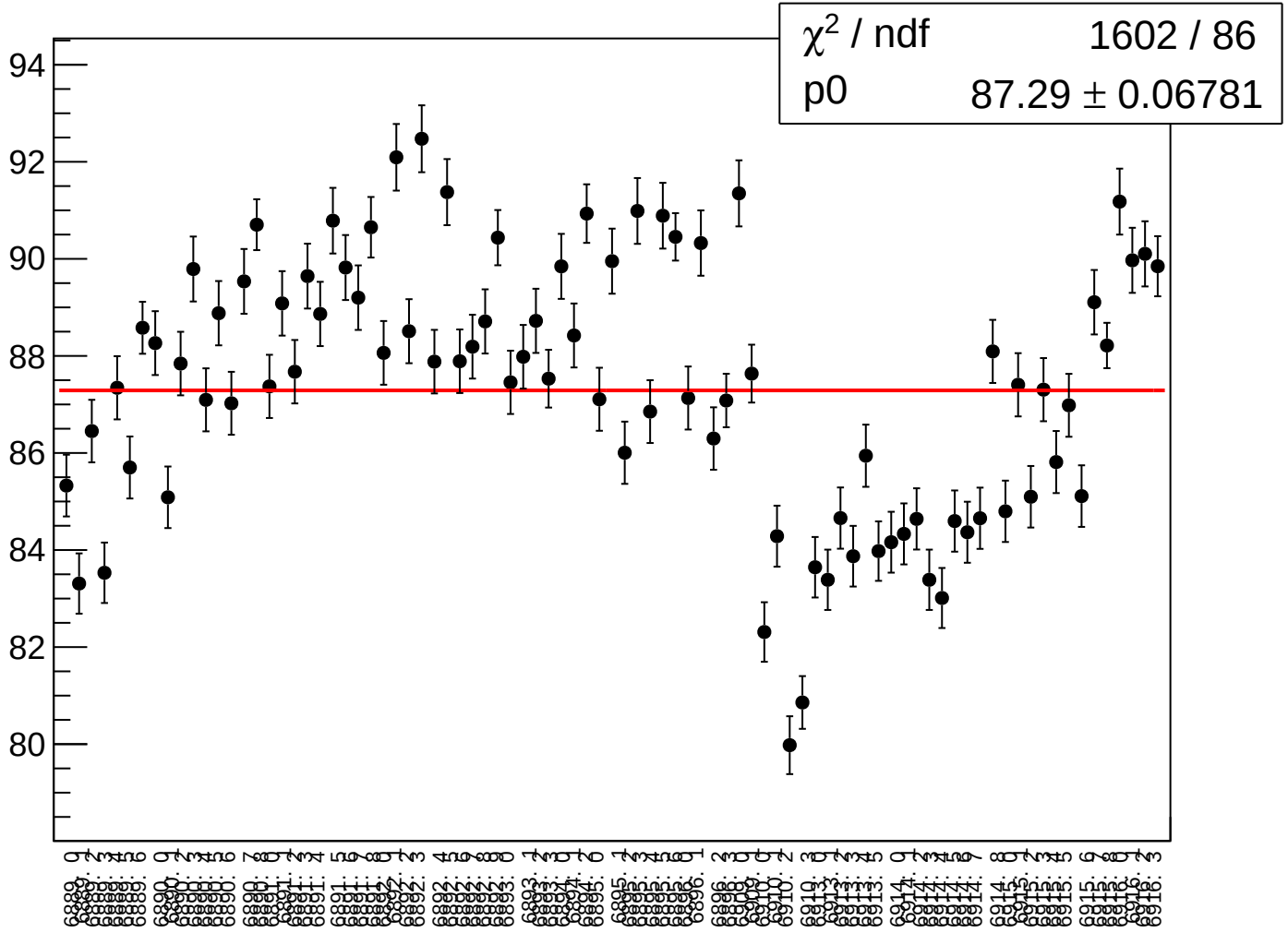

asym_sam_15_37_dd_mean vs run
χ² / ndf 67.94 / 86
p0 869.2 ± 442.6
pull
Entries 87
Mean −252.6
Std Dev 309.8
pull1D
Entries 87
Mean 0.01081
Std Dev 0.8837

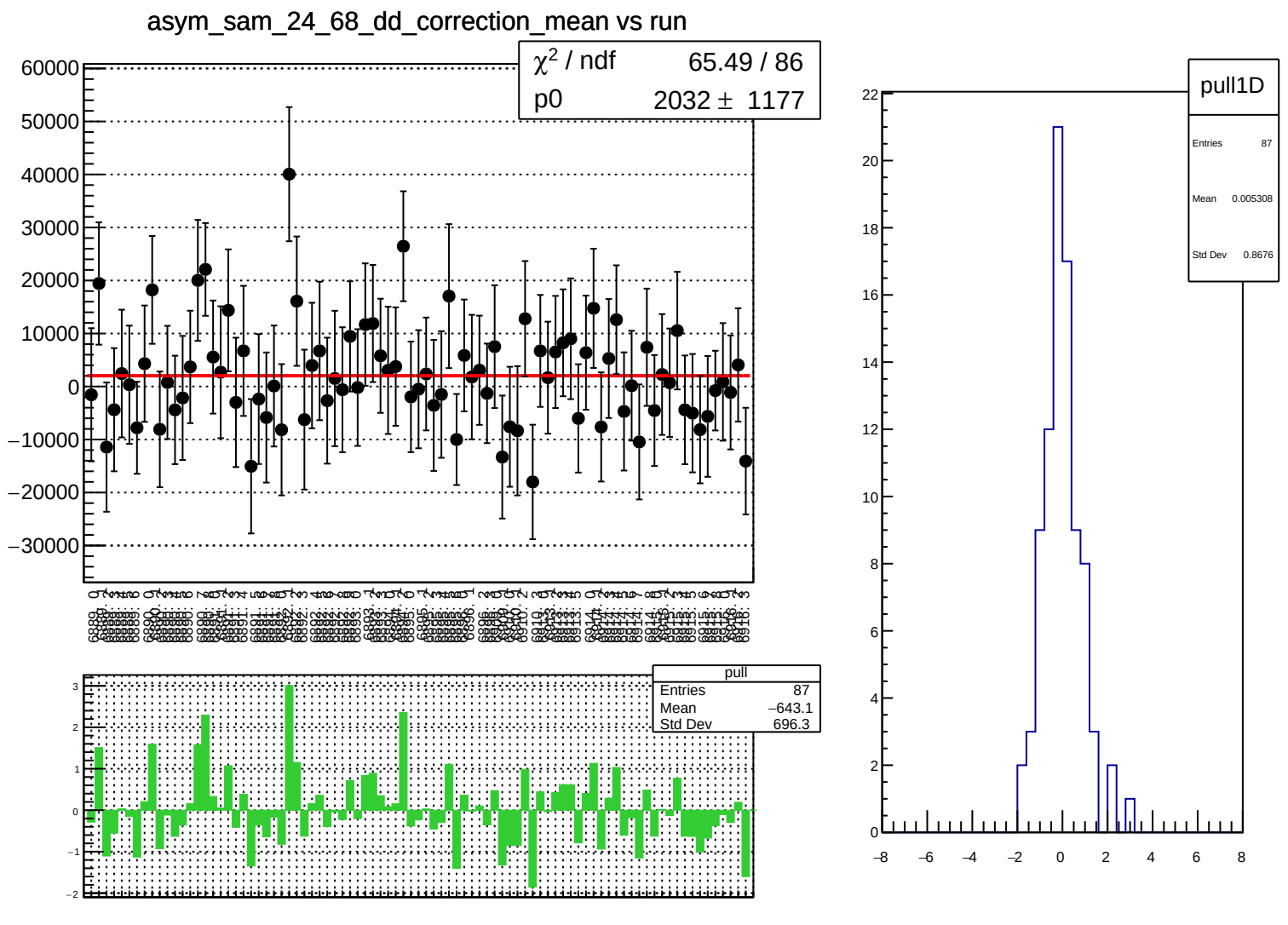
asym_sam_15_37_dd_rms vs run



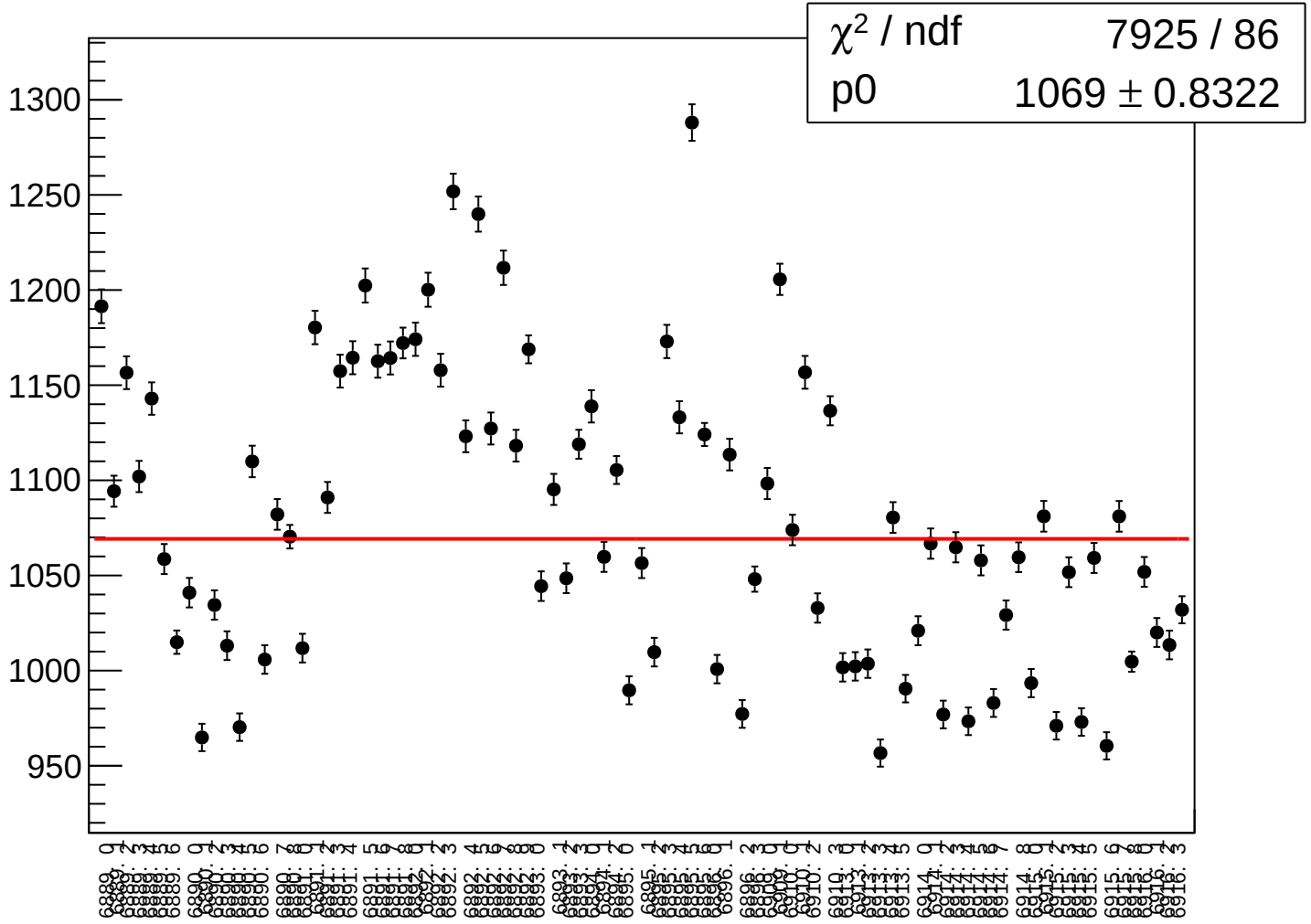

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 81.26 / 86
p0 37.97 ± 95.9
pull
Entries 87
Mean −167.8
Std Dev 200.7
pull1D
Entries 87
Mean −0.01125
Std Dev 0.9664

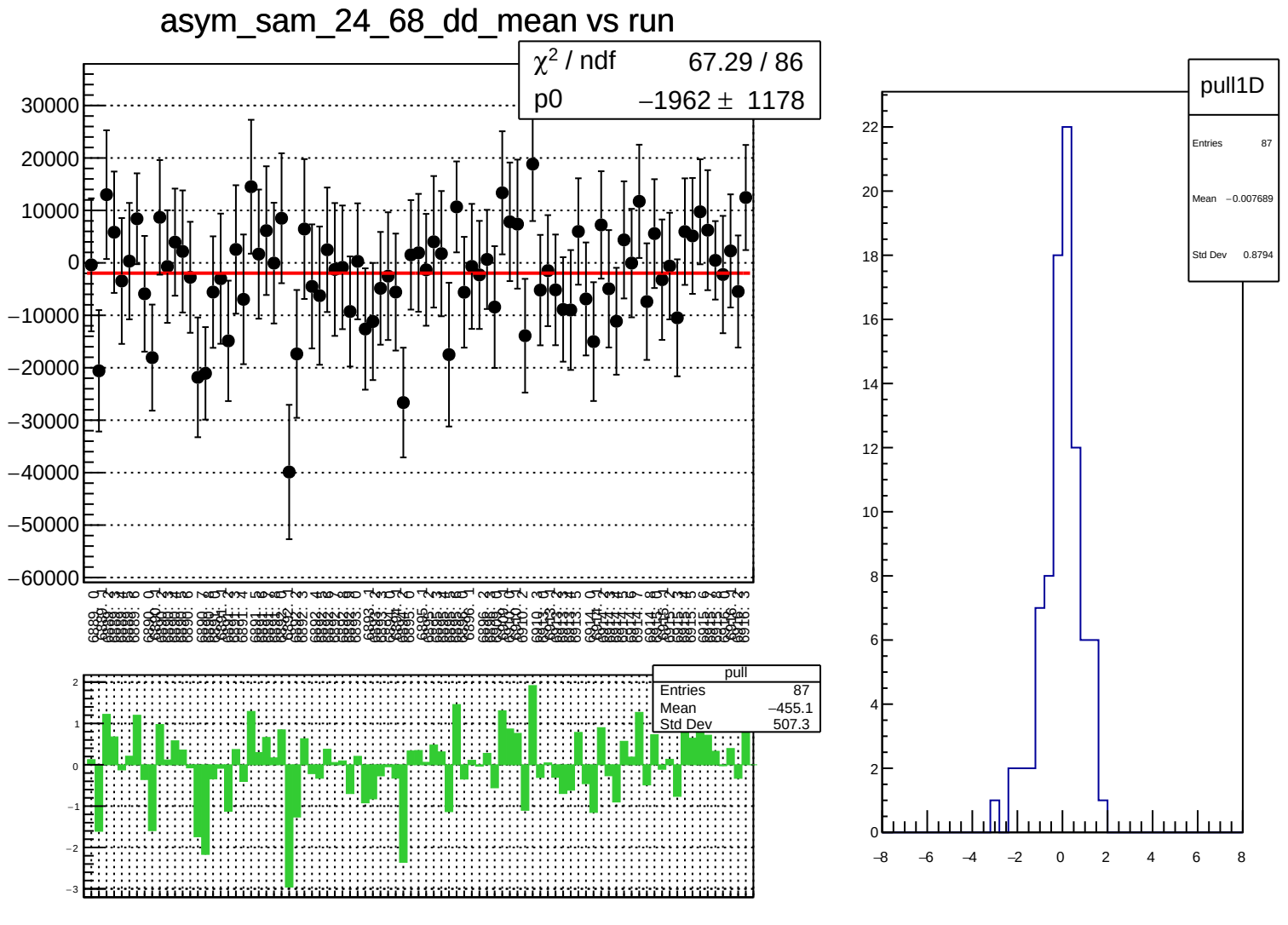
dit_asym_sam_24_68_dd_rms vs run



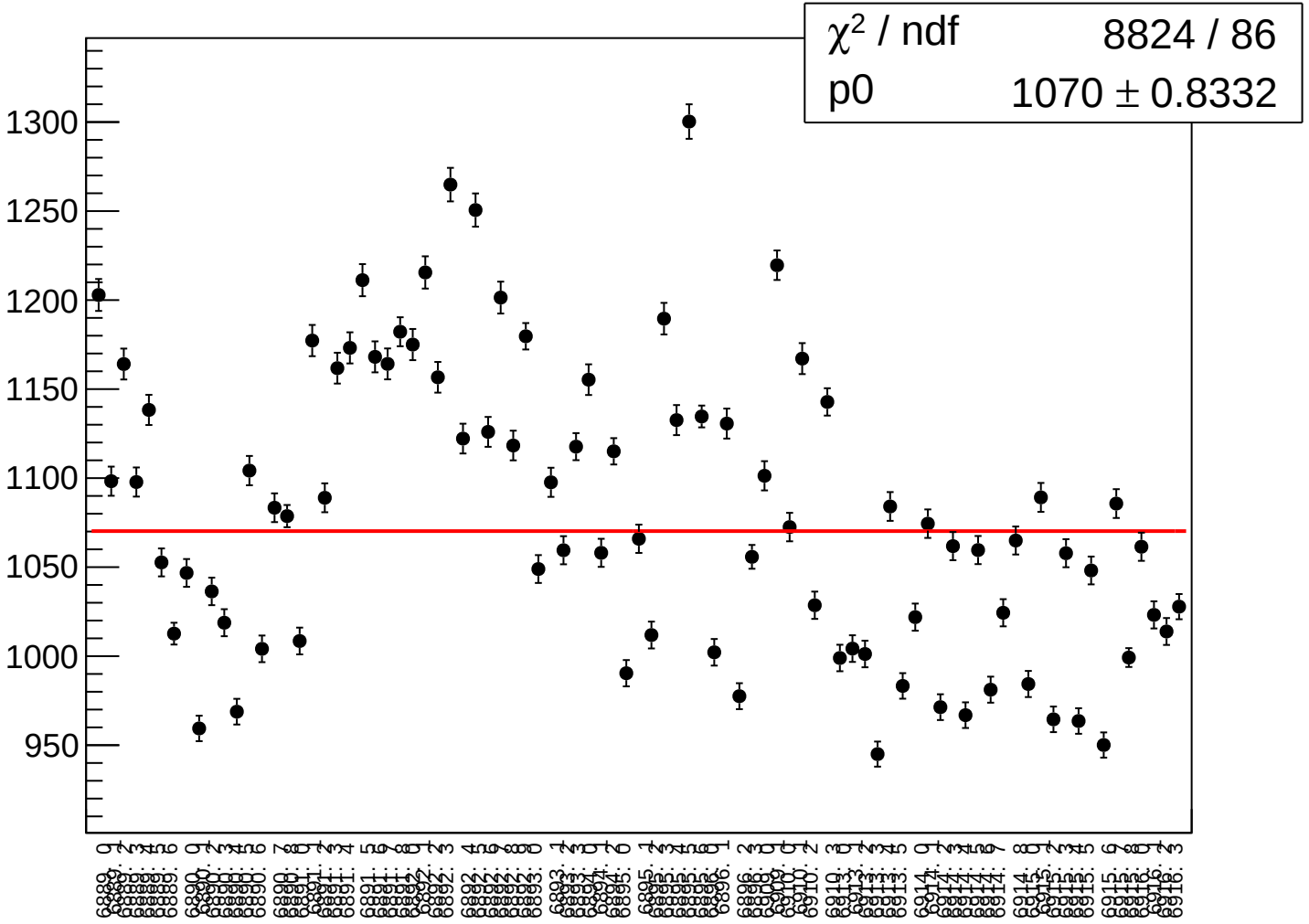

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 65.49 / 86
p0 2032 ± 1177
pull
Entries 87
Mean −643.1
Std Dev 696.3
pull1D
Entries 87
Mean 0.005308
Std Dev 0.8676

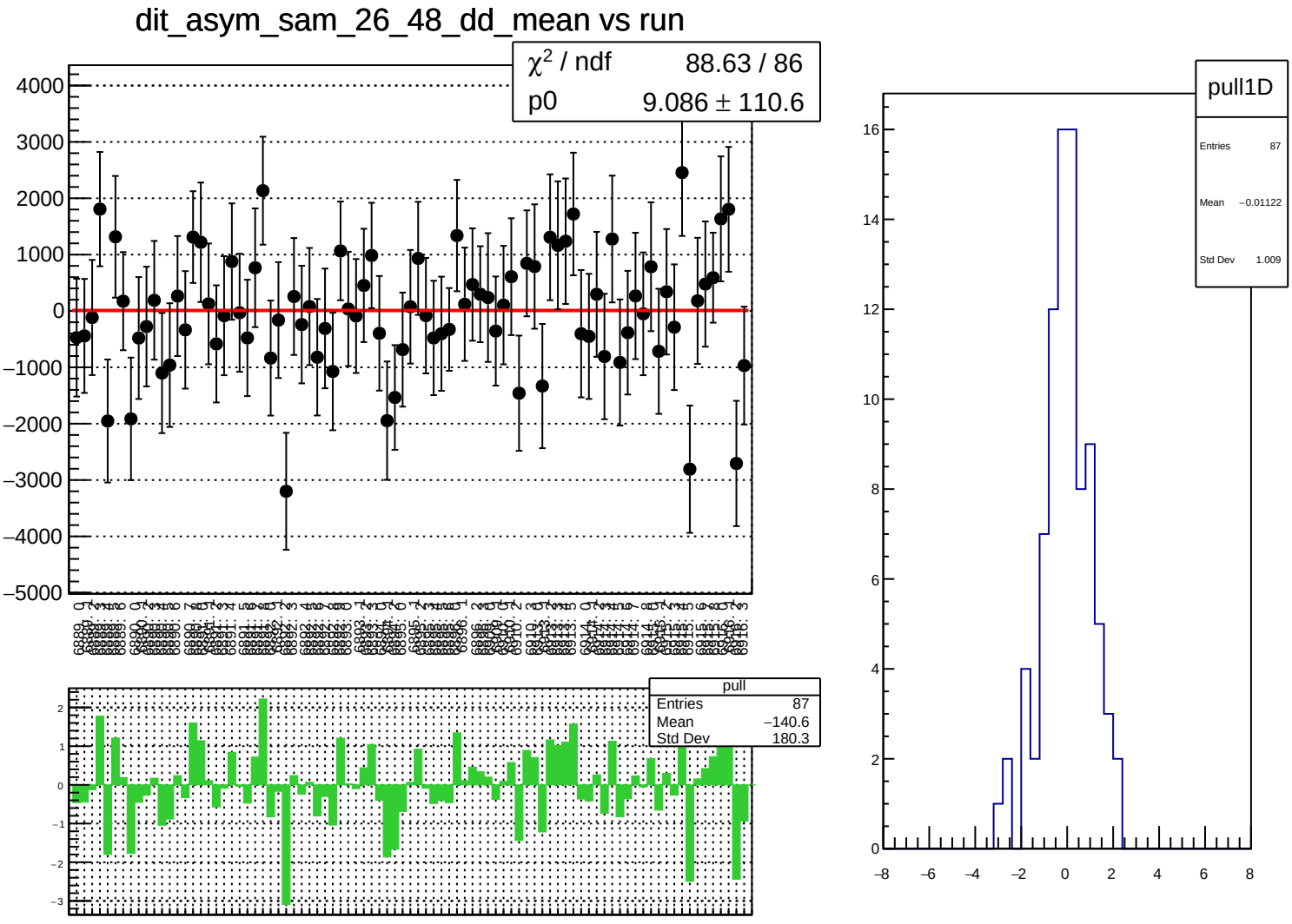
asym_sam_24_68_dd_correction_rms vs run



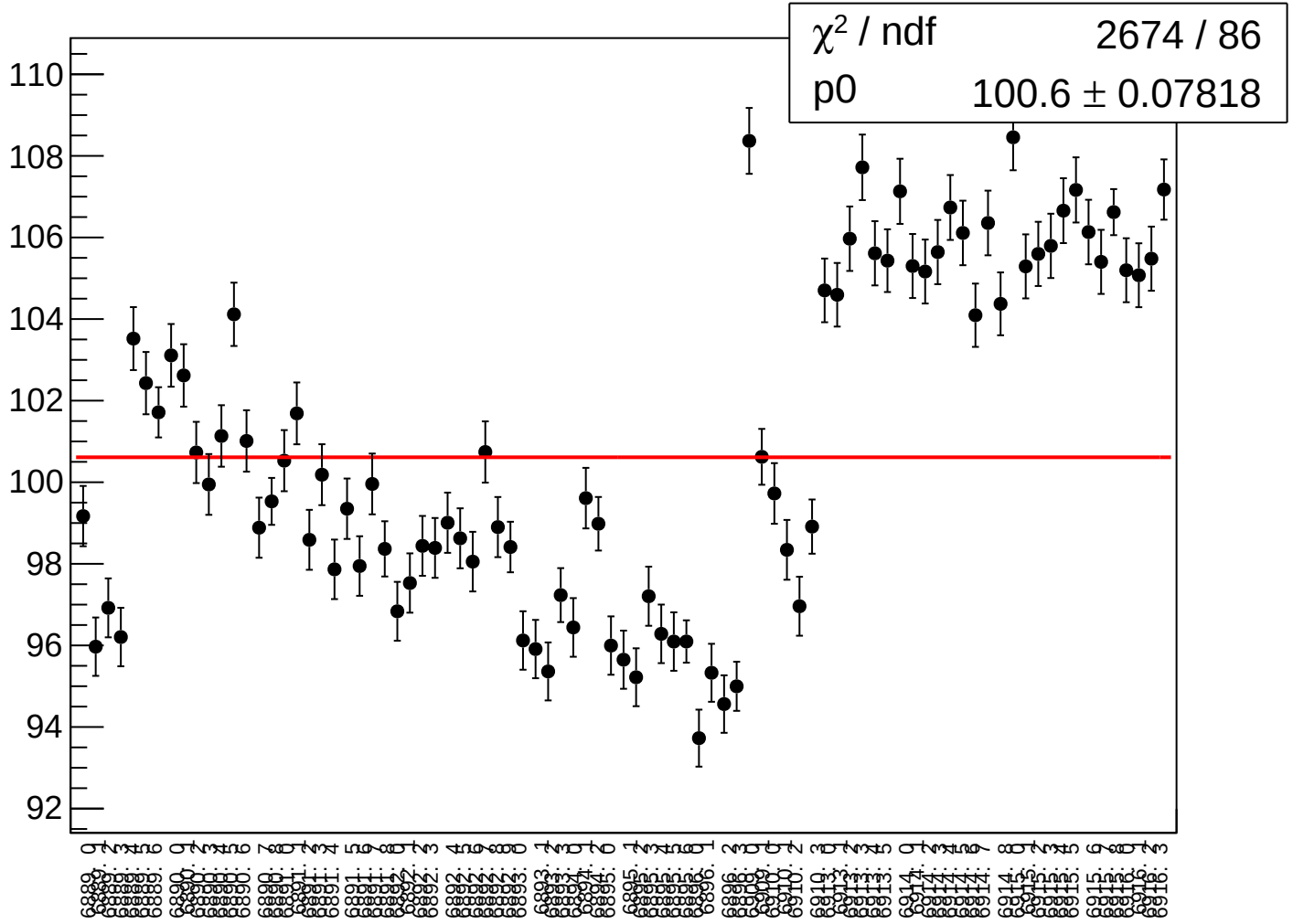

asym_sam_24_68_dd_mean vs run
χ² / ndf 67.29 / 86
p0 −1962 ± 1178
pull
Entries 87
Mean −455.1
Std Dev 507.3
pull1D
Entries 87
Mean −0.007689
Std Dev 0.8794

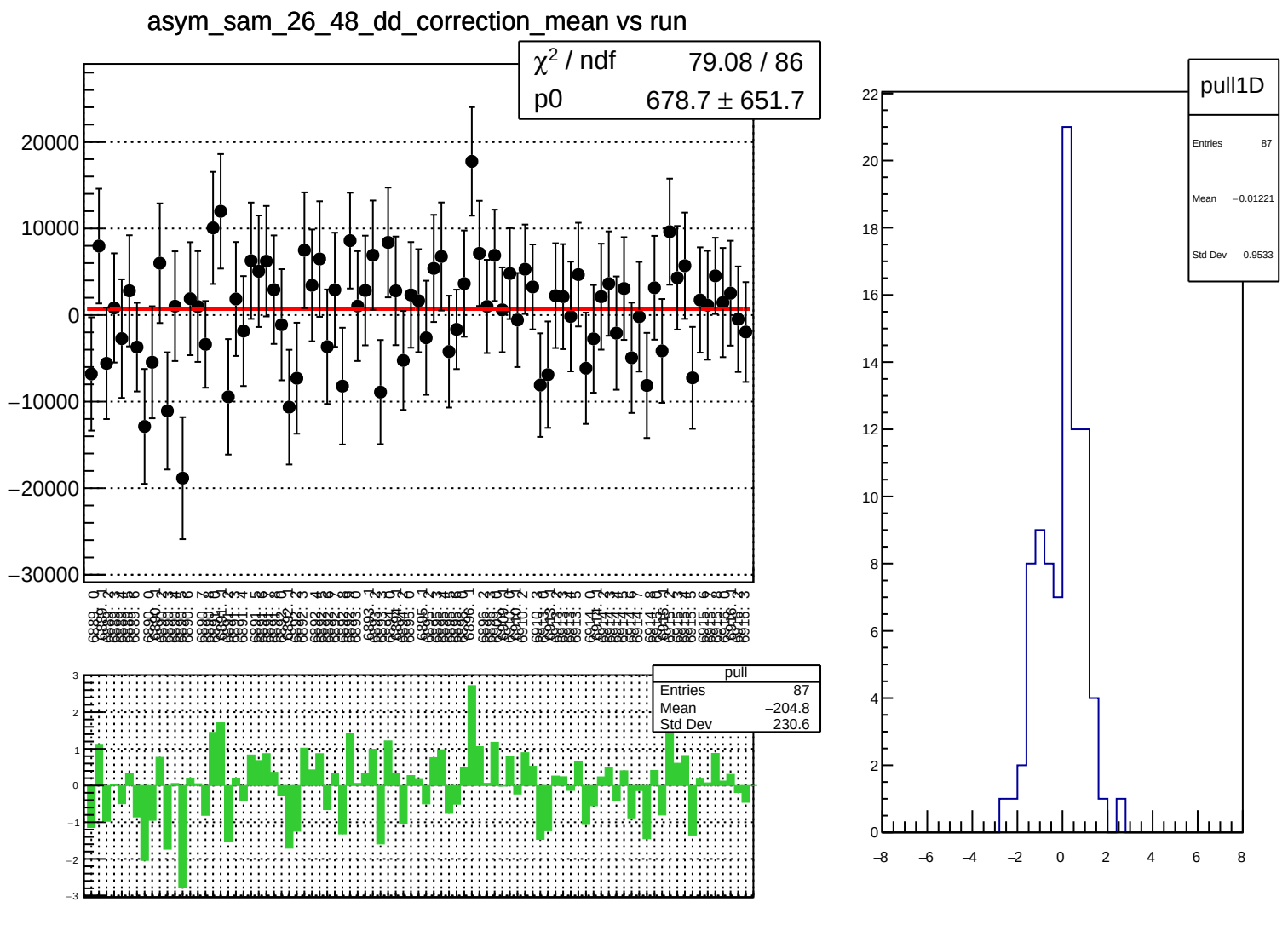
asym_sam_24_68_dd_rms vs run

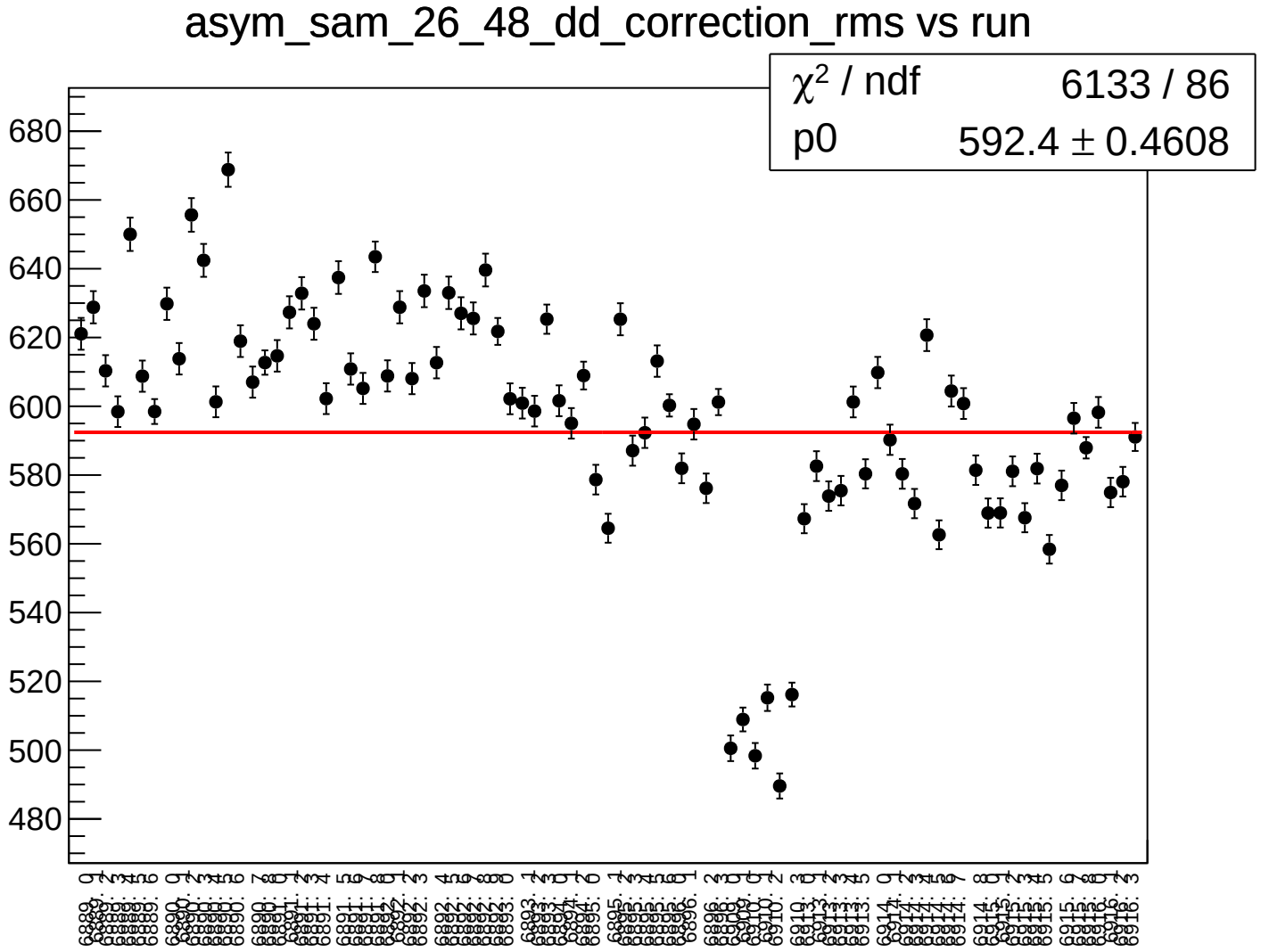


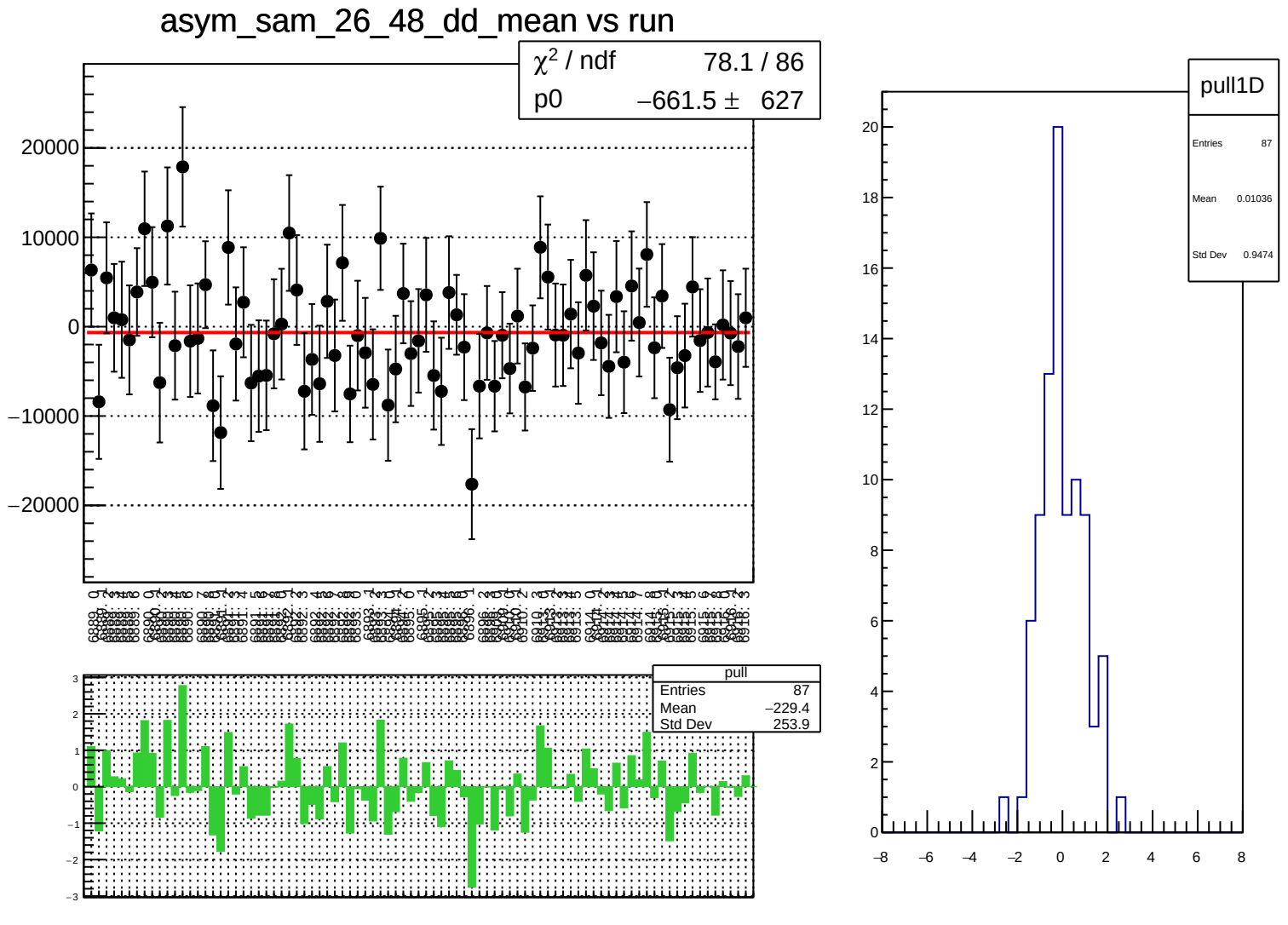

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 88.63 / 86
p0 9.086 ± 110.6
pull
Entries 87
Mean −140.6
Std Dev 180.3
pull1D
Entries 87
Mean −0.01122
Std Dev 1.009

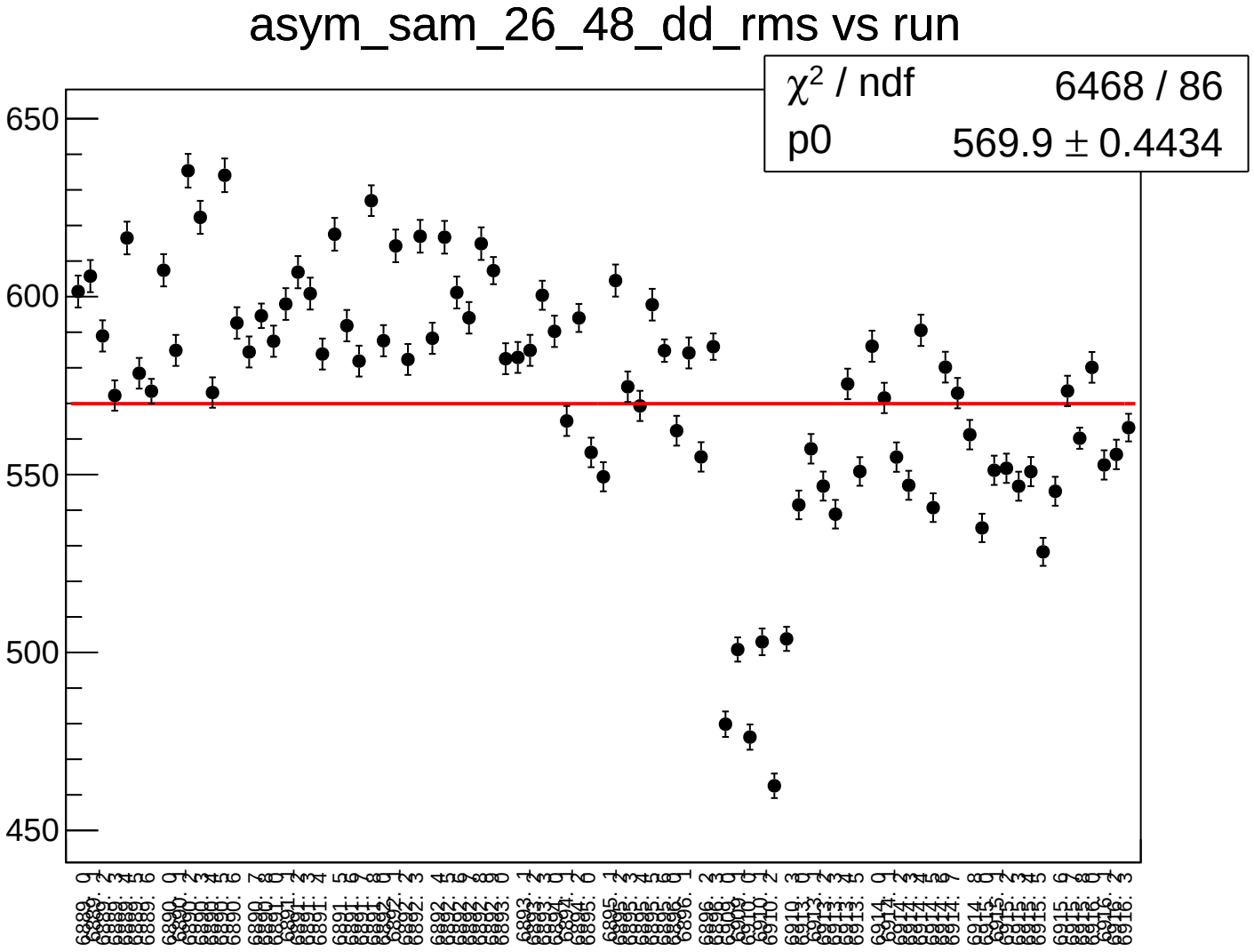
dit_asym_sam_26_48_dd_rms vs run

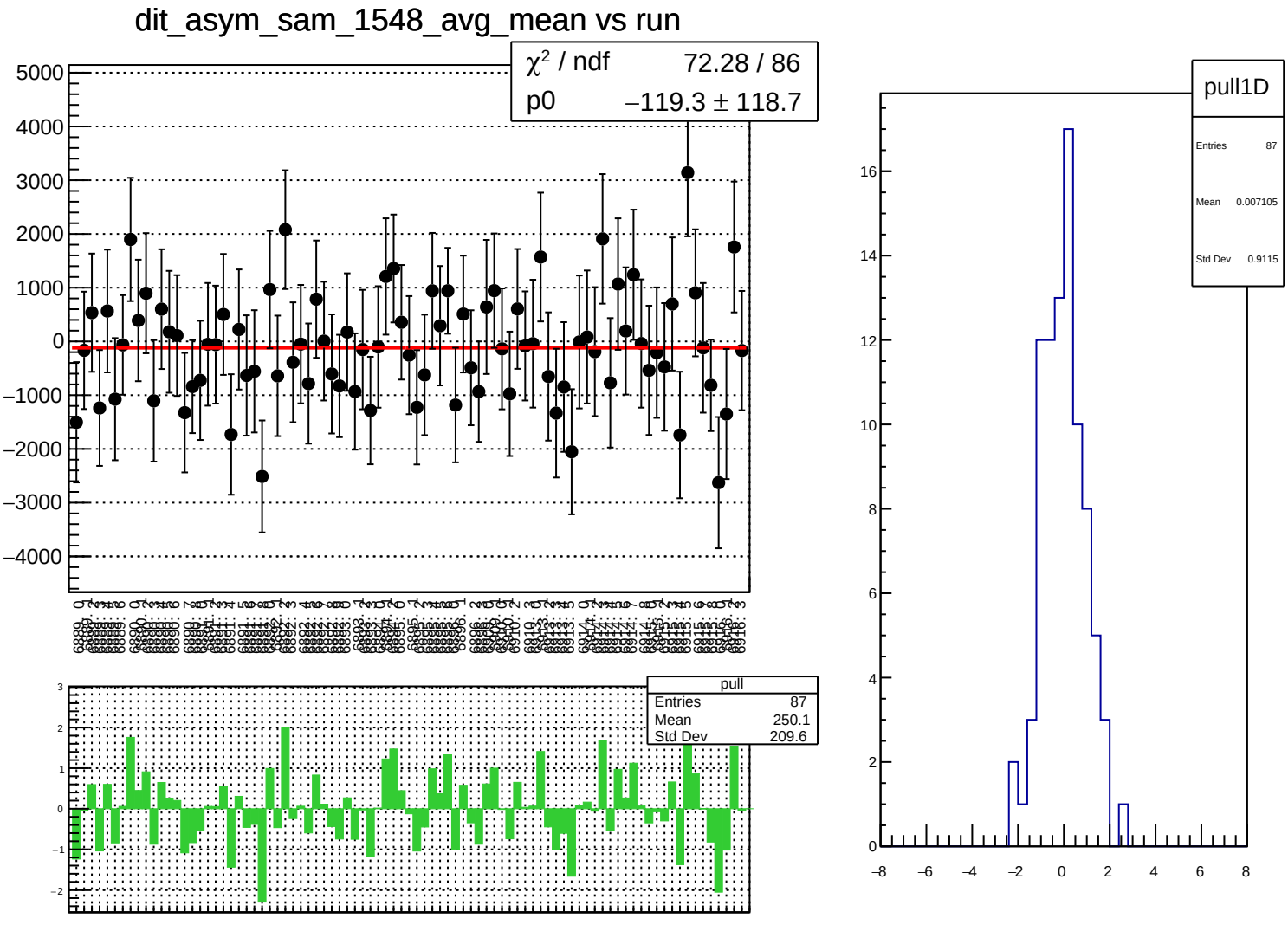



asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 79.08 / 86
p0 678.7 ± 651.7
pull
Entries 87
Mean −204.8
Std Dev 230.6
pull1D
Entries 87
Mean −0.01221
Std Dev 0.9533

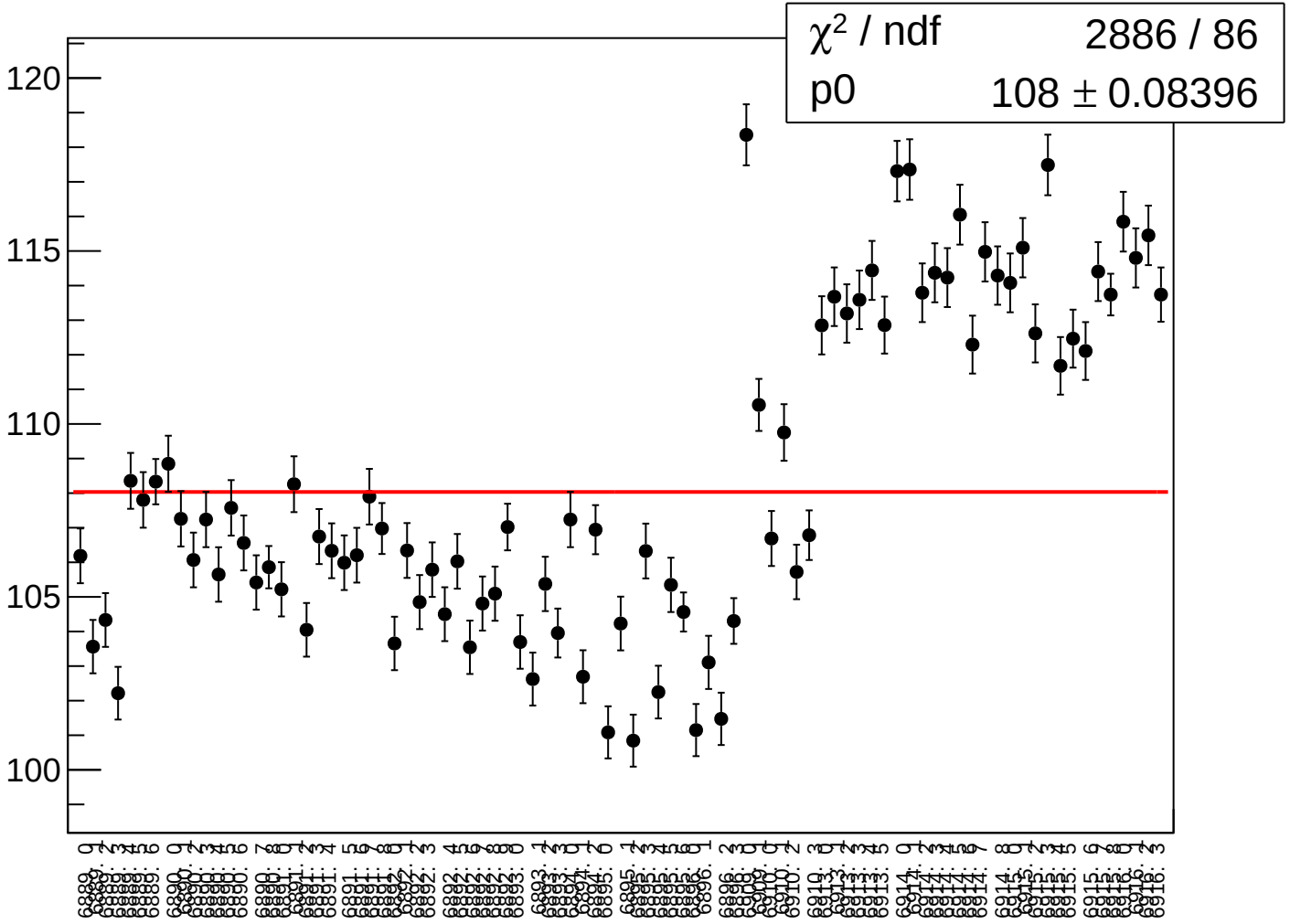

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 6133 / 86
p0 592.4 ± 0.4608
680
660
640
620
600
580
560
540
520
500
480

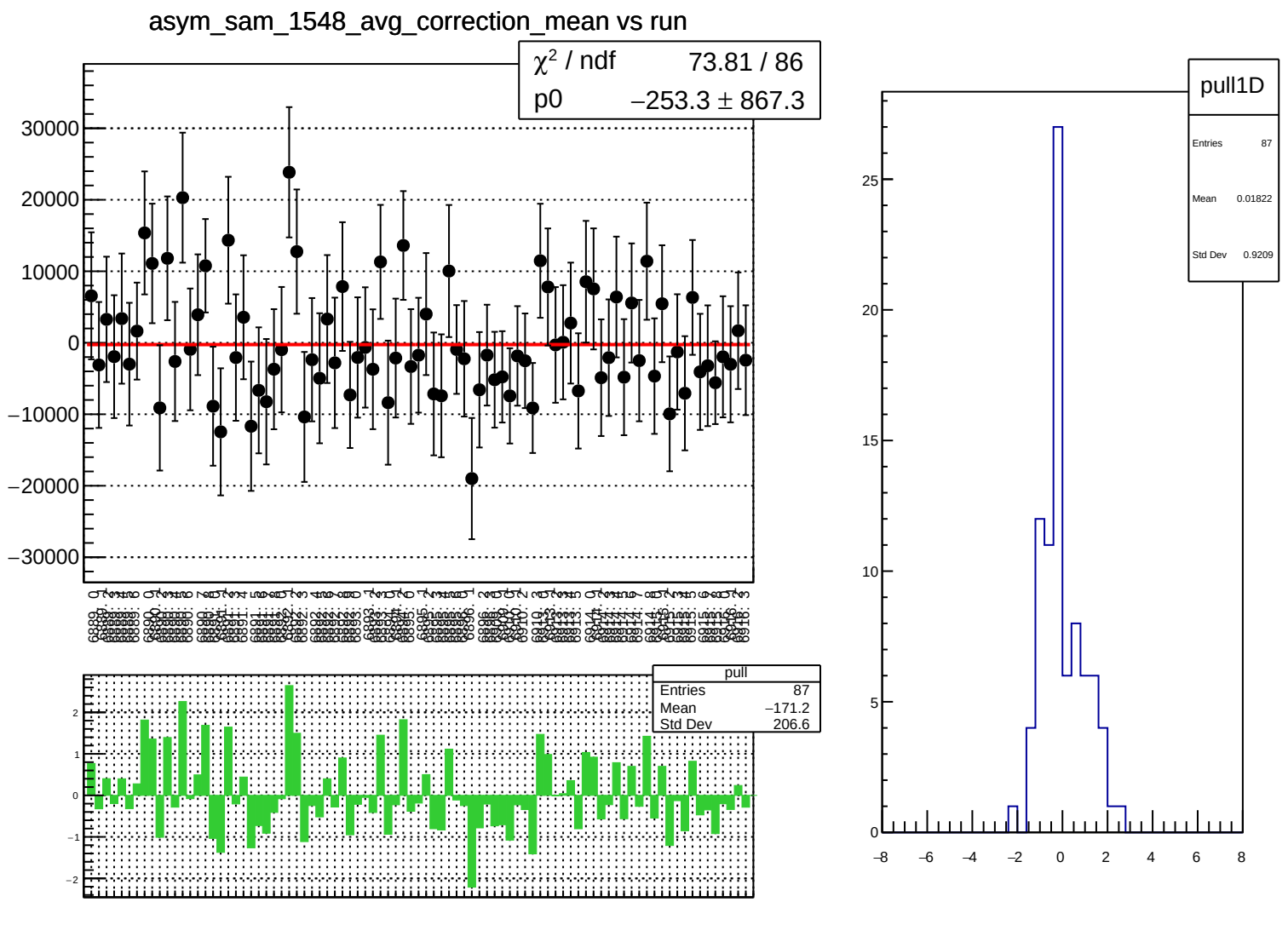

asym_sam_26_48_dd_mean vs run
χ² / ndf 78.1 / 86
p0 −661.5 ± 627
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −229.4
Std Dev 253.9
pull1D
Entries 87
Mean 0.01036
Std Dev 0.9474


asym_sam_26_48_dd_rms vs run
χ² / ndf 6468 / 86
p0 569.9 ± 0.4434
650
600
550
500
450

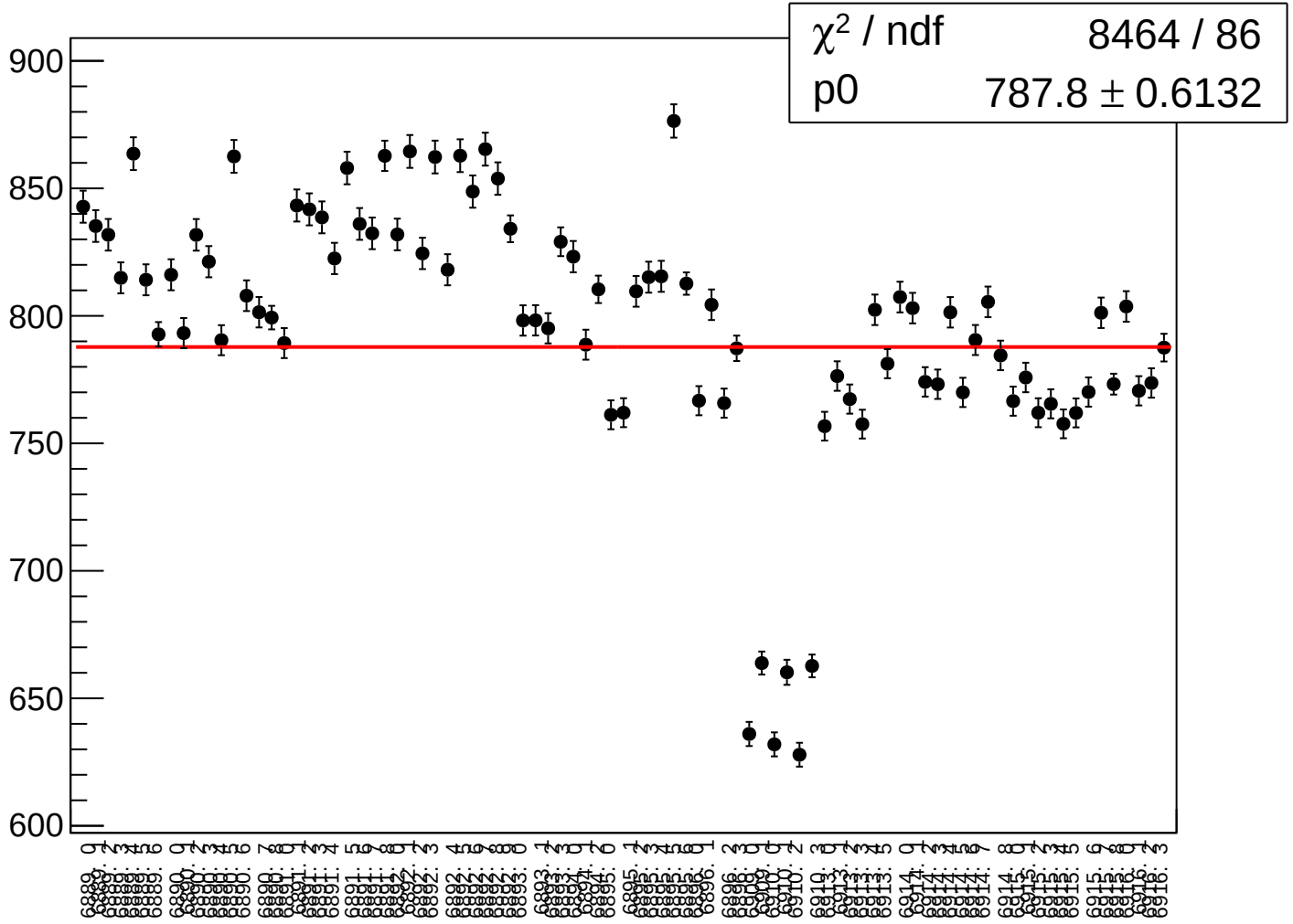

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 72.28 / 86
p0 −119.3 ± 118.7
pull
Entries 87
Mean 250.1
Std Dev 209.6
pull1D
Entries 87
Mean 0.007105
Std Dev 0.9115

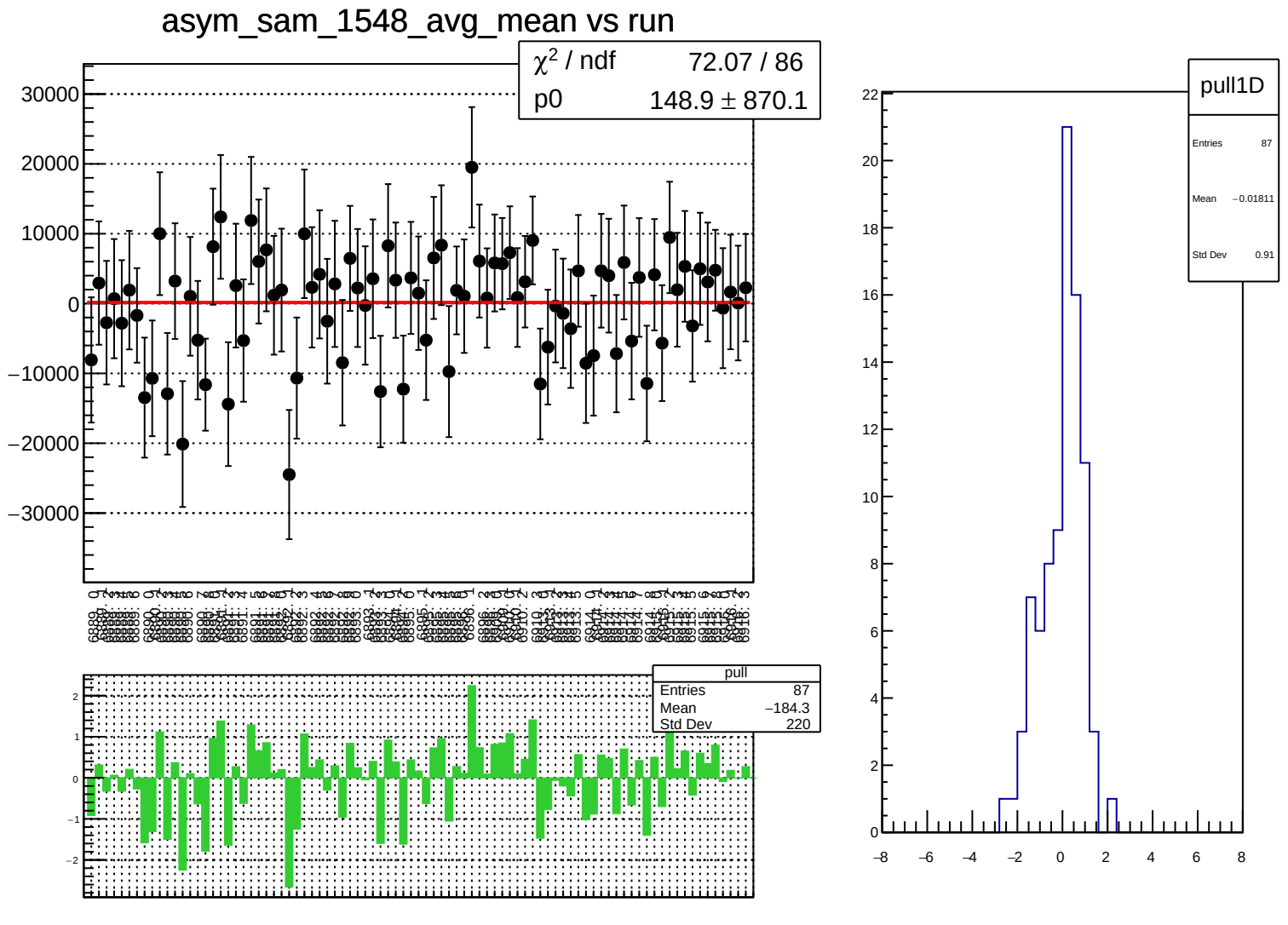
dit_asym_sam_1548_avg_rms vs run

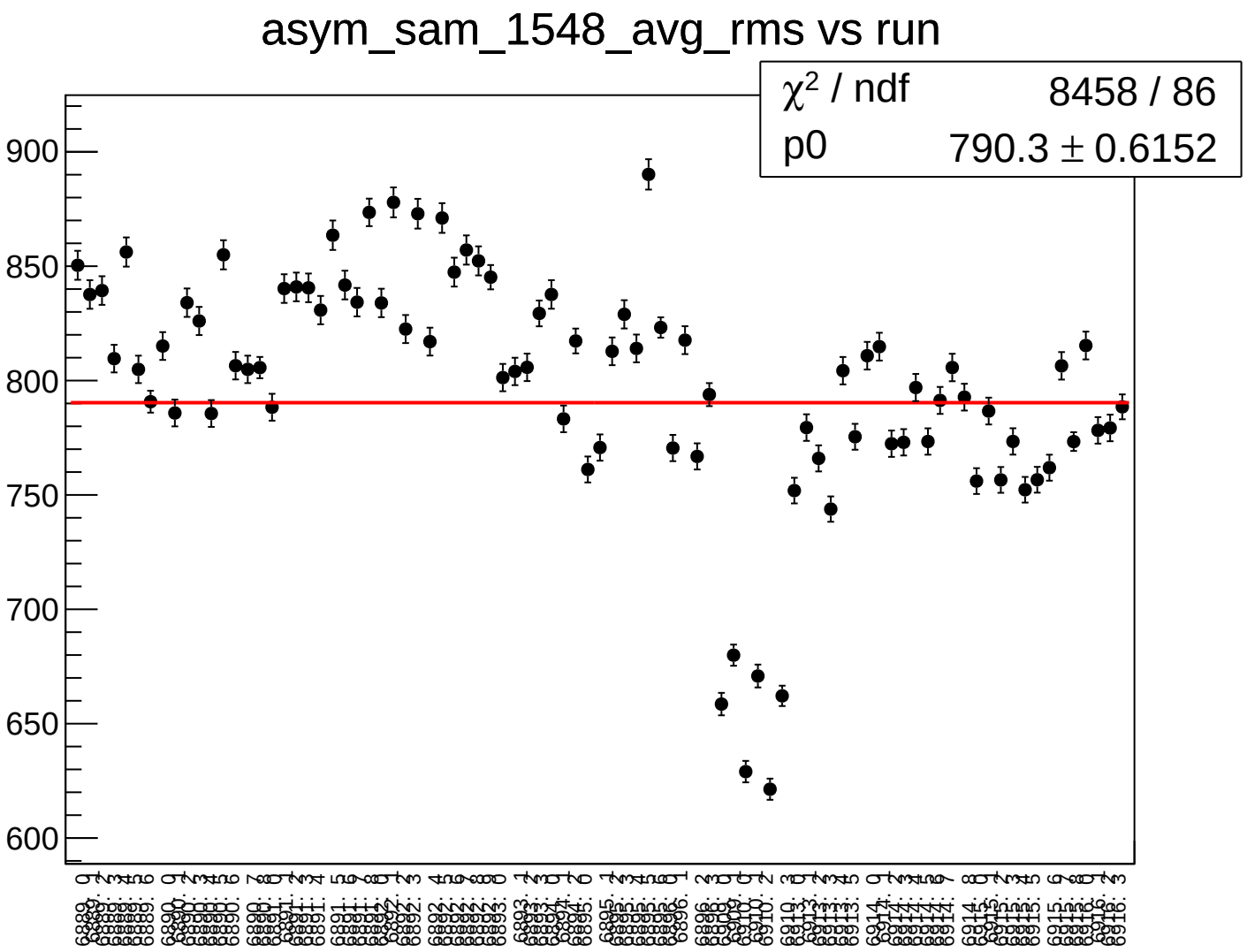


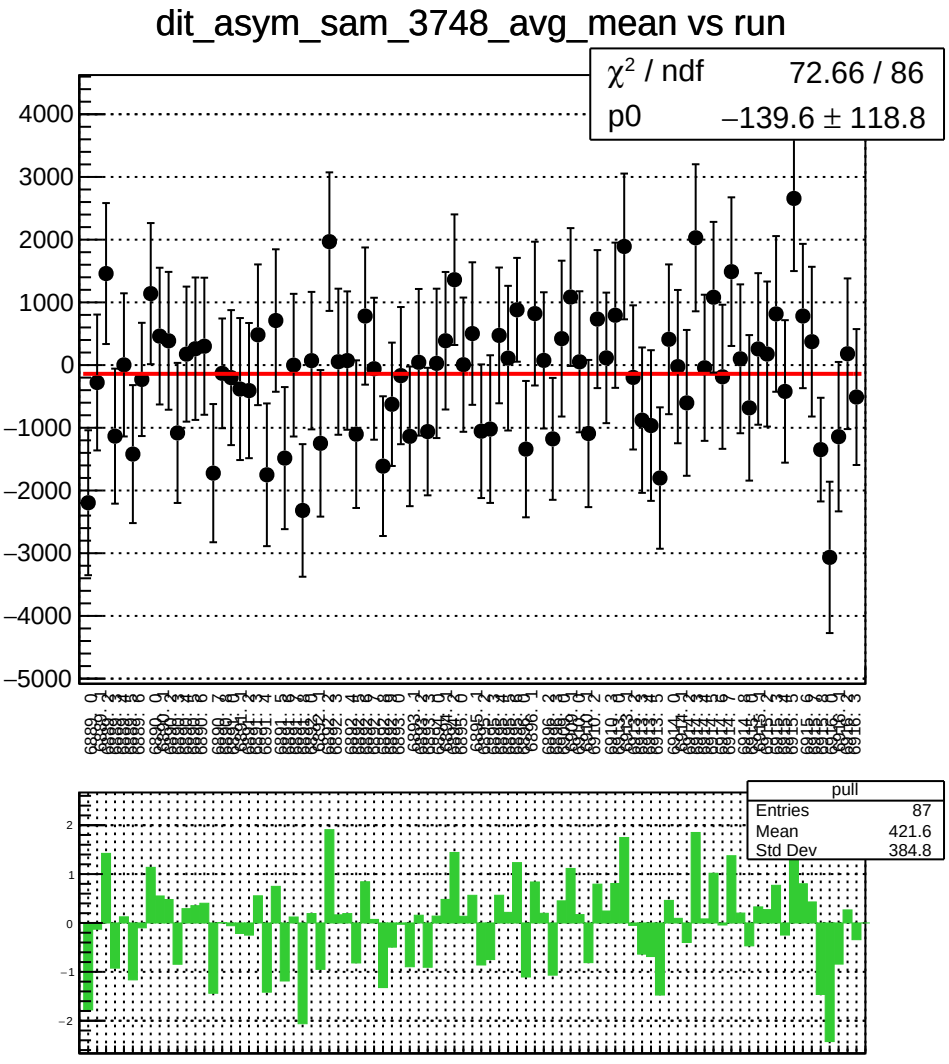

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 73.81 / 86
p0 −253.3 ± 867.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −171.2
Std Dev 206.6
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01822
Std Dev 0.9209
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

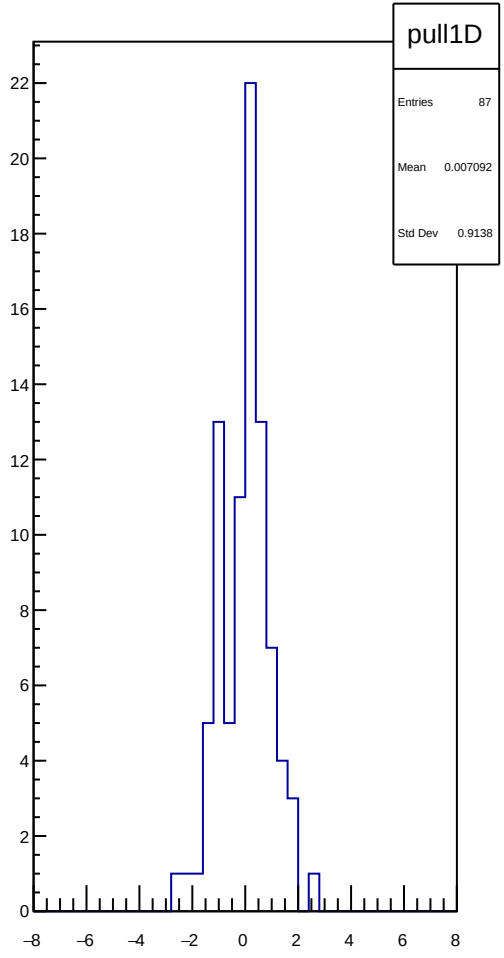
asym_sam_1548_avg_correction_rms vs run



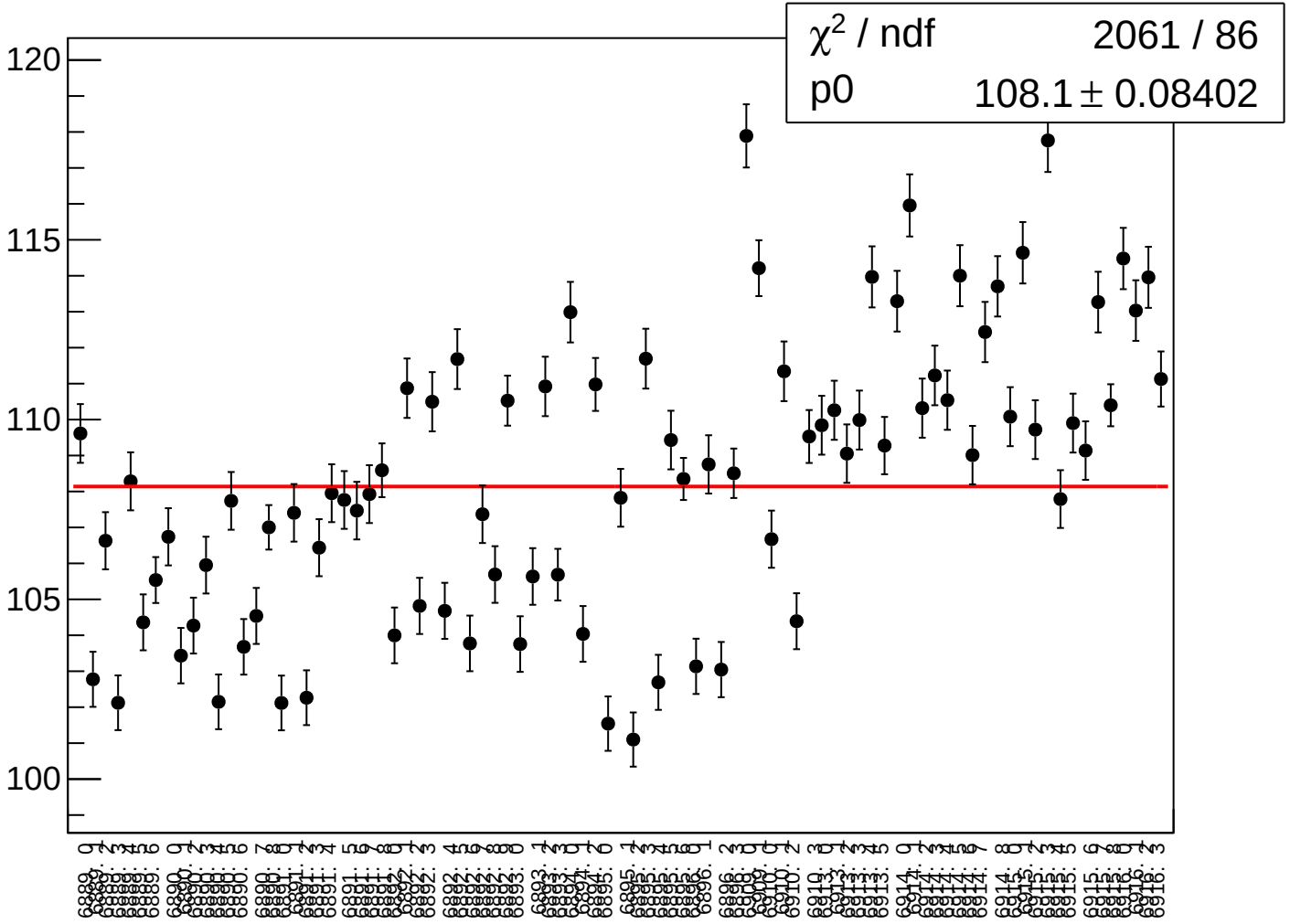

asym_sam_1548_avg_mean vs run
χ² / ndf 72.07 / 86
p0 148.9 ± 870.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −184.3
Std Dev 220
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01811
Std Dev 0.91
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

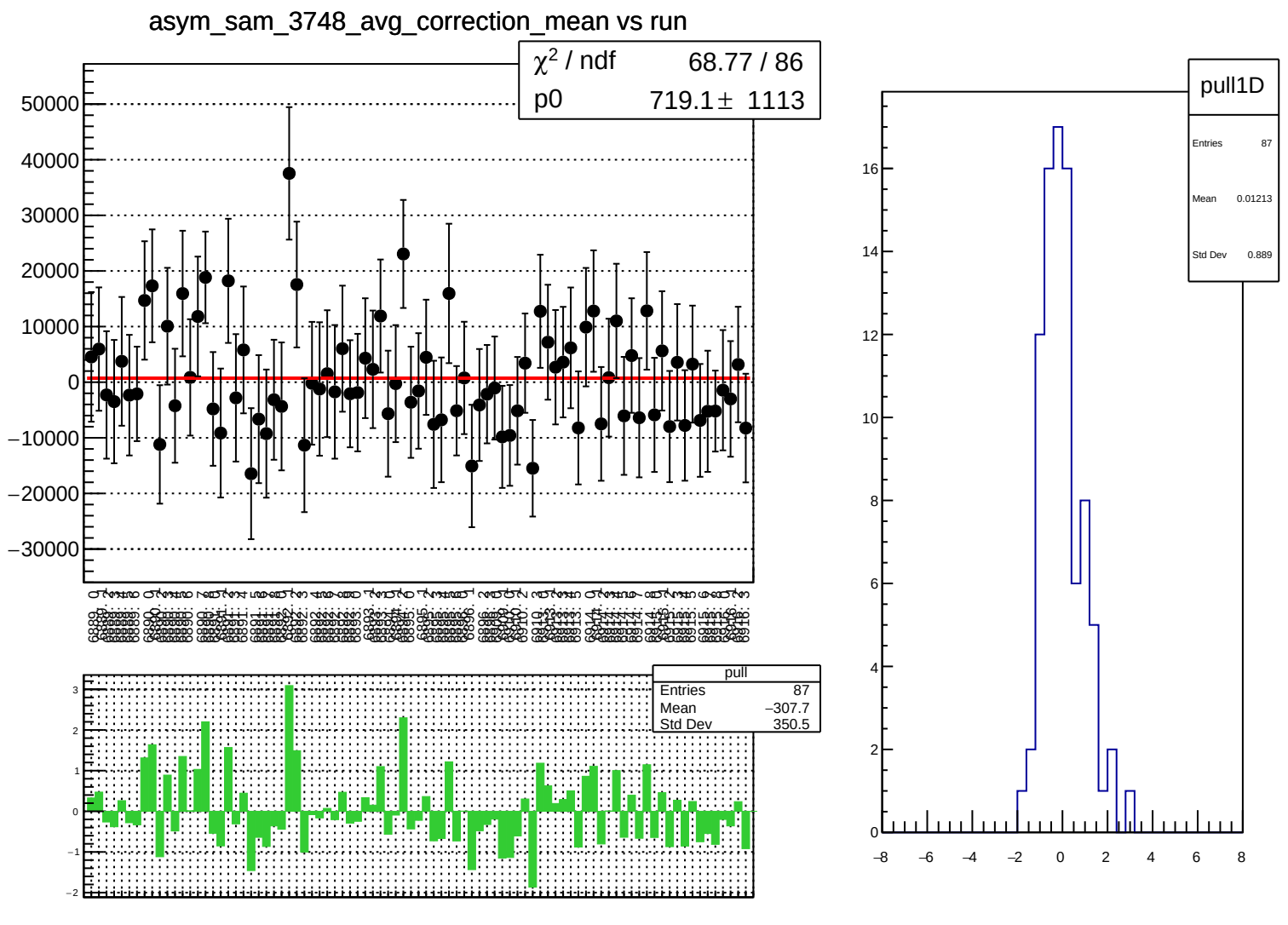

asym_sam_1548_avg_rms vs run
χ^2 / ndf 8458 / 86
p0 790.3 ± 0.6152
900
850
800
750
700
650
600


dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 72.66 / 86
p0 −139.6 ± 118.8
pull
Entries 87
Mean 421.6
Std Dev 384.8

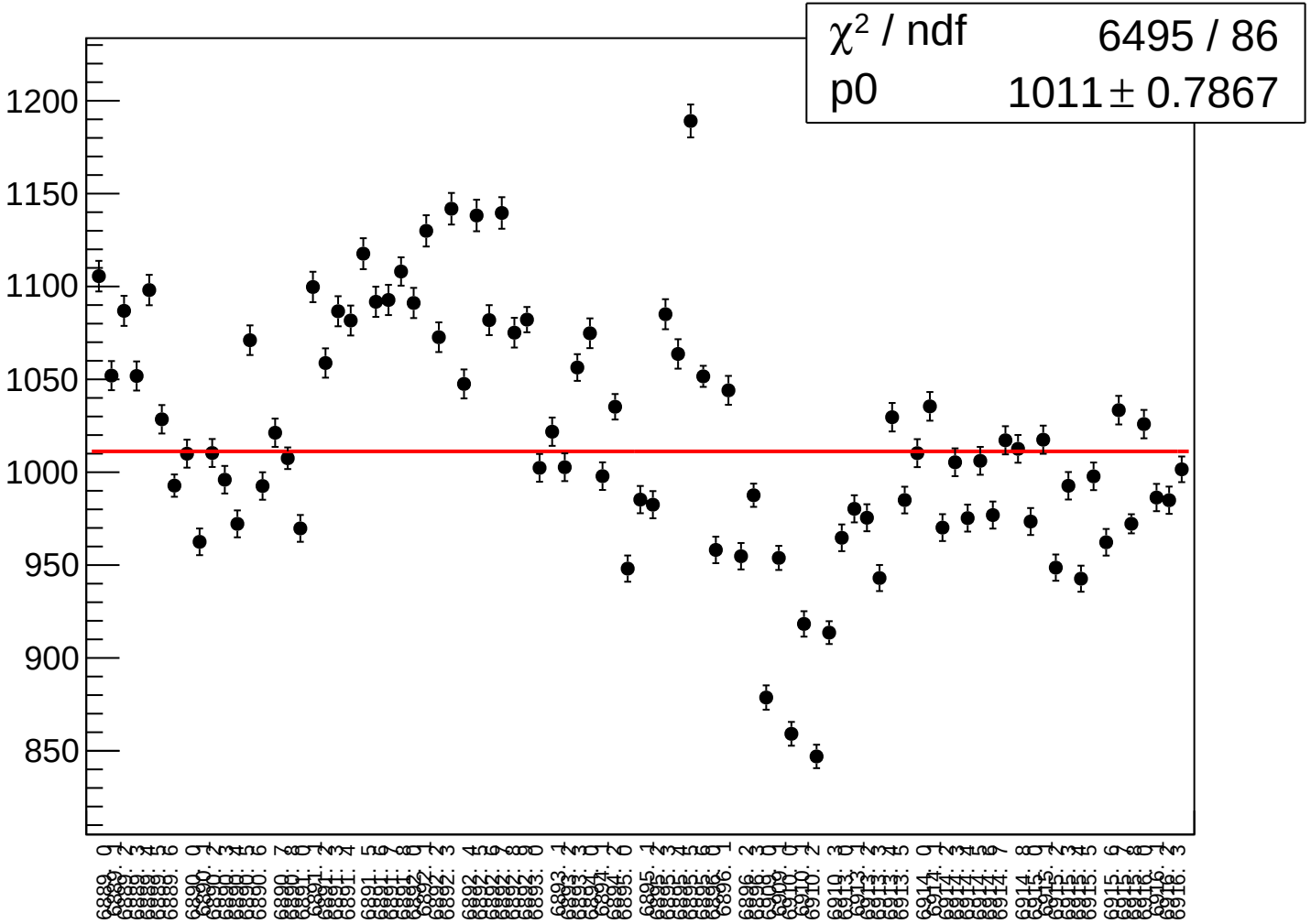

pull1D
Entries 87
Mean 0.007092
Std Dev 0.9138

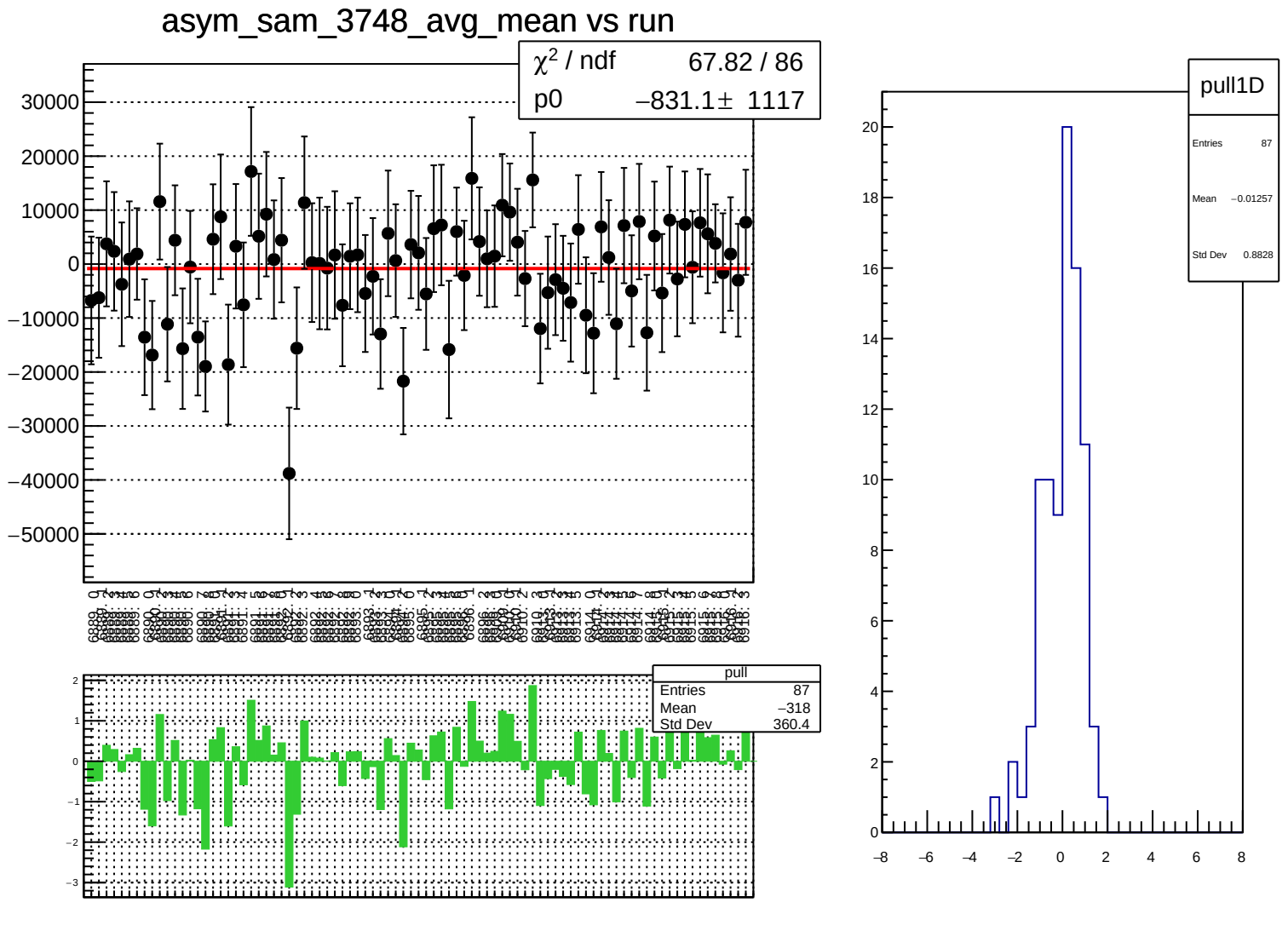
dit_asym_sam_3748_avg_rms vs run

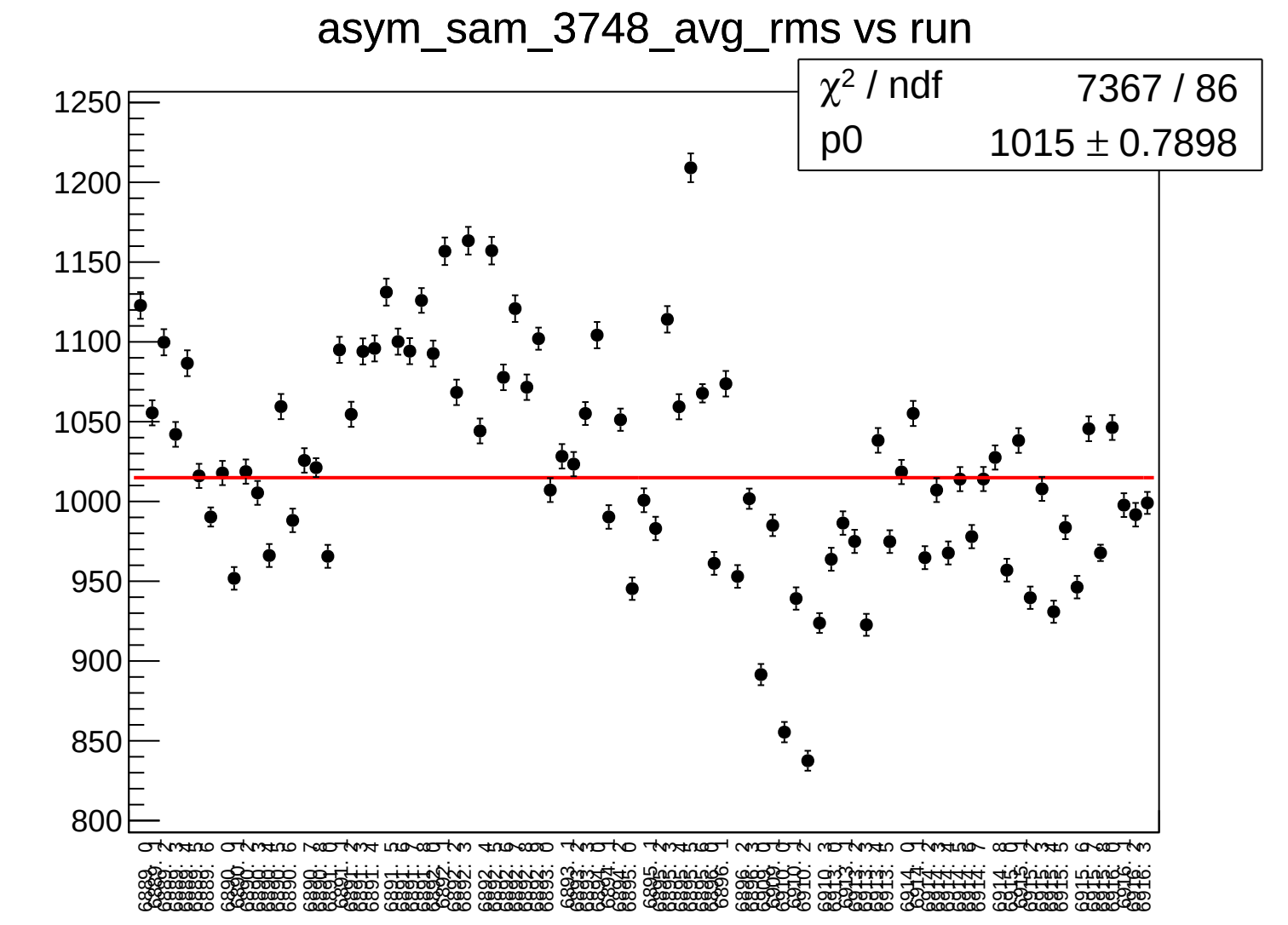


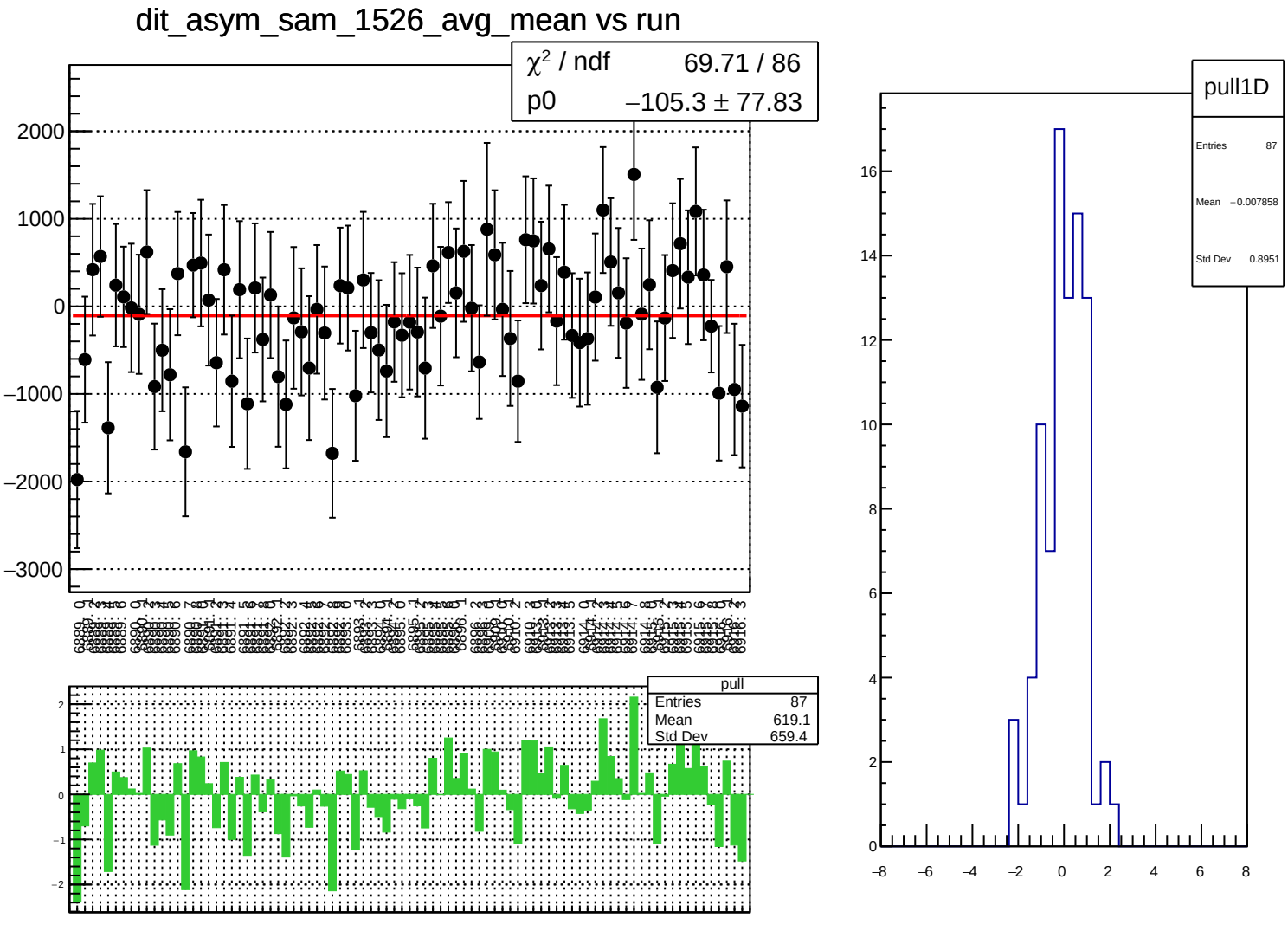

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 68.77 / 86
p0 719.1 ± 1113
pull
Entries 87
Mean −307.7
Std Dev 350.5
pull1D
Entries 87
Mean 0.01213
Std Dev 0.889

asym_sam_3748_avg_correction_rms vs run

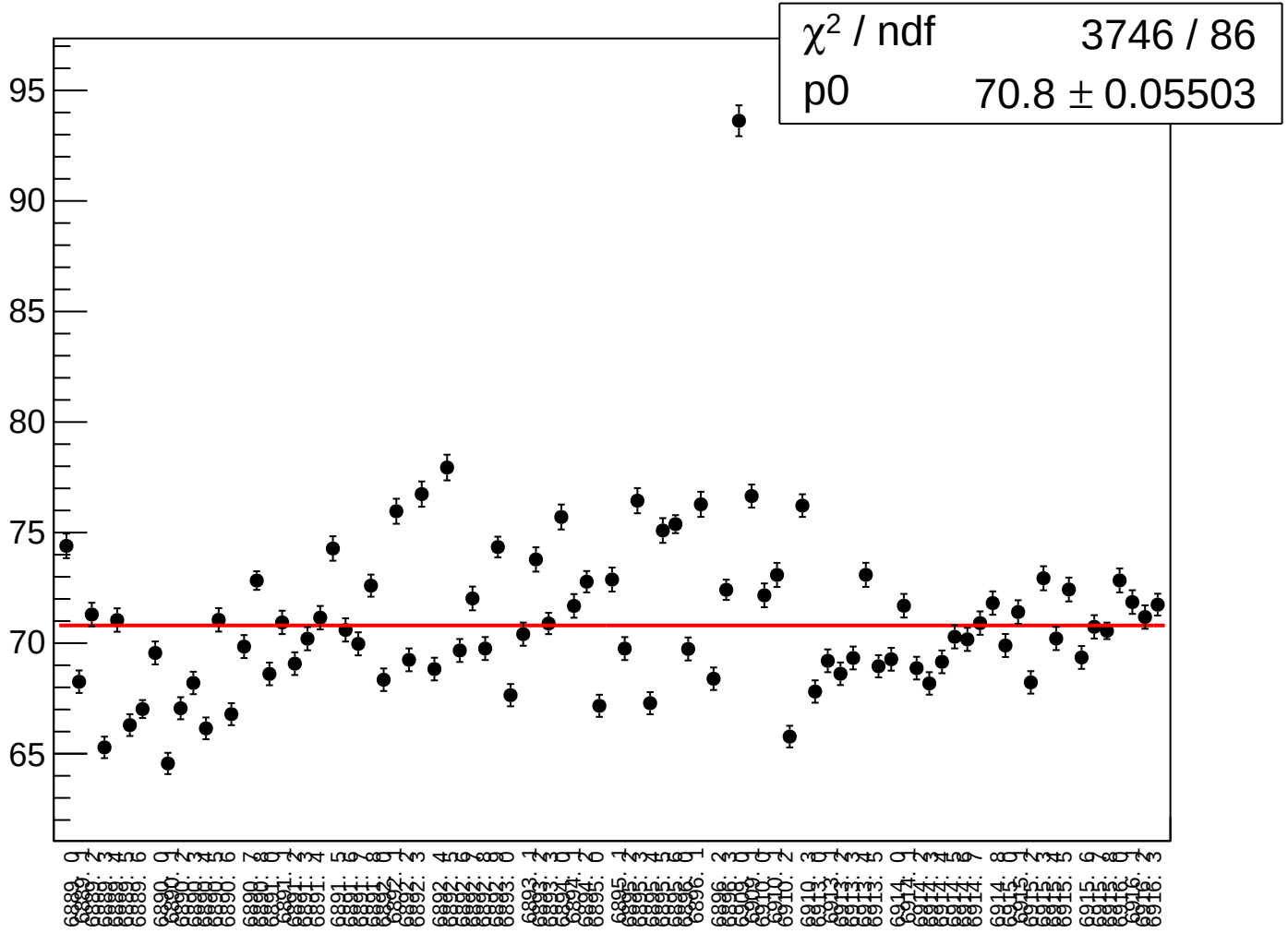


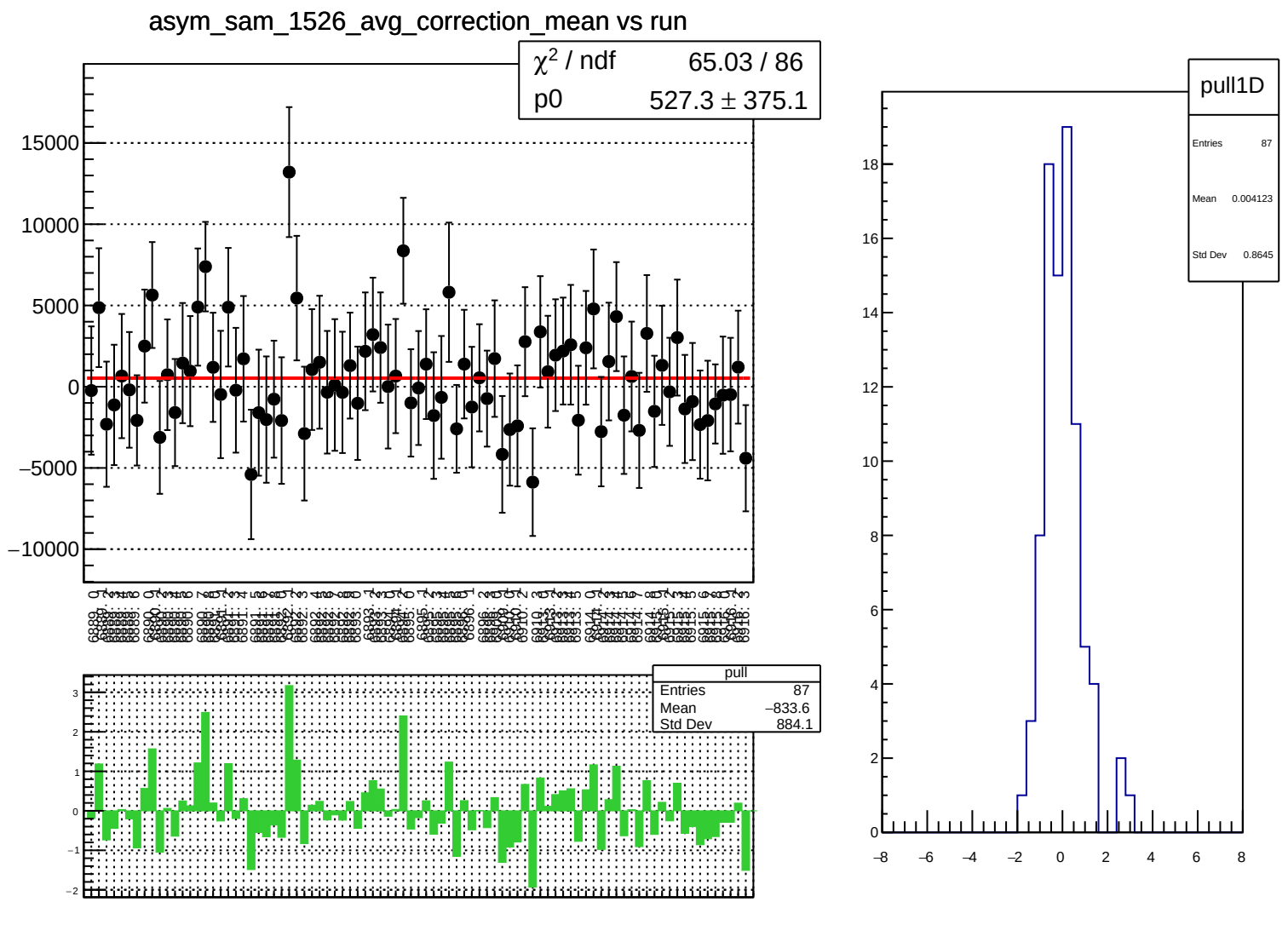

asym_sam_3748_avg_mean vs run
χ^2 / ndf 67.82 / 86
p0 −831.1± 1117
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 87
Mean −318
Std Dev 360.4
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.01257
Std Dev 0.8828
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_rms vs run
χ² / ndf 7367 / 86
p0 1015 ± 0.7898
1250
1200
1150
1100
1050
1000
950
900
850
800

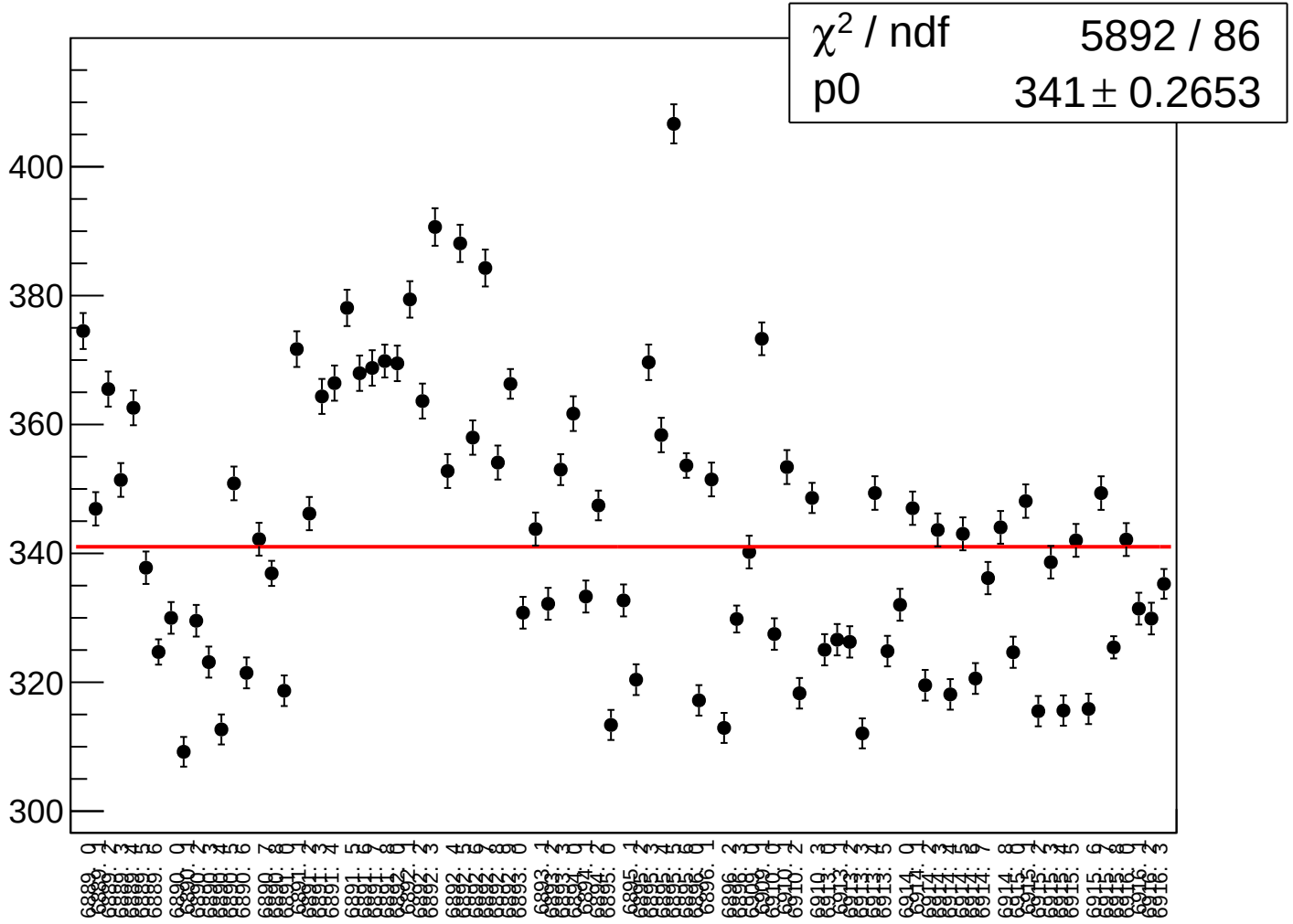

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 69.71 / 86
p0 −105.3 ± 77.83
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −619.1
Std Dev 659.4
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.007858
Std Dev 0.8951
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

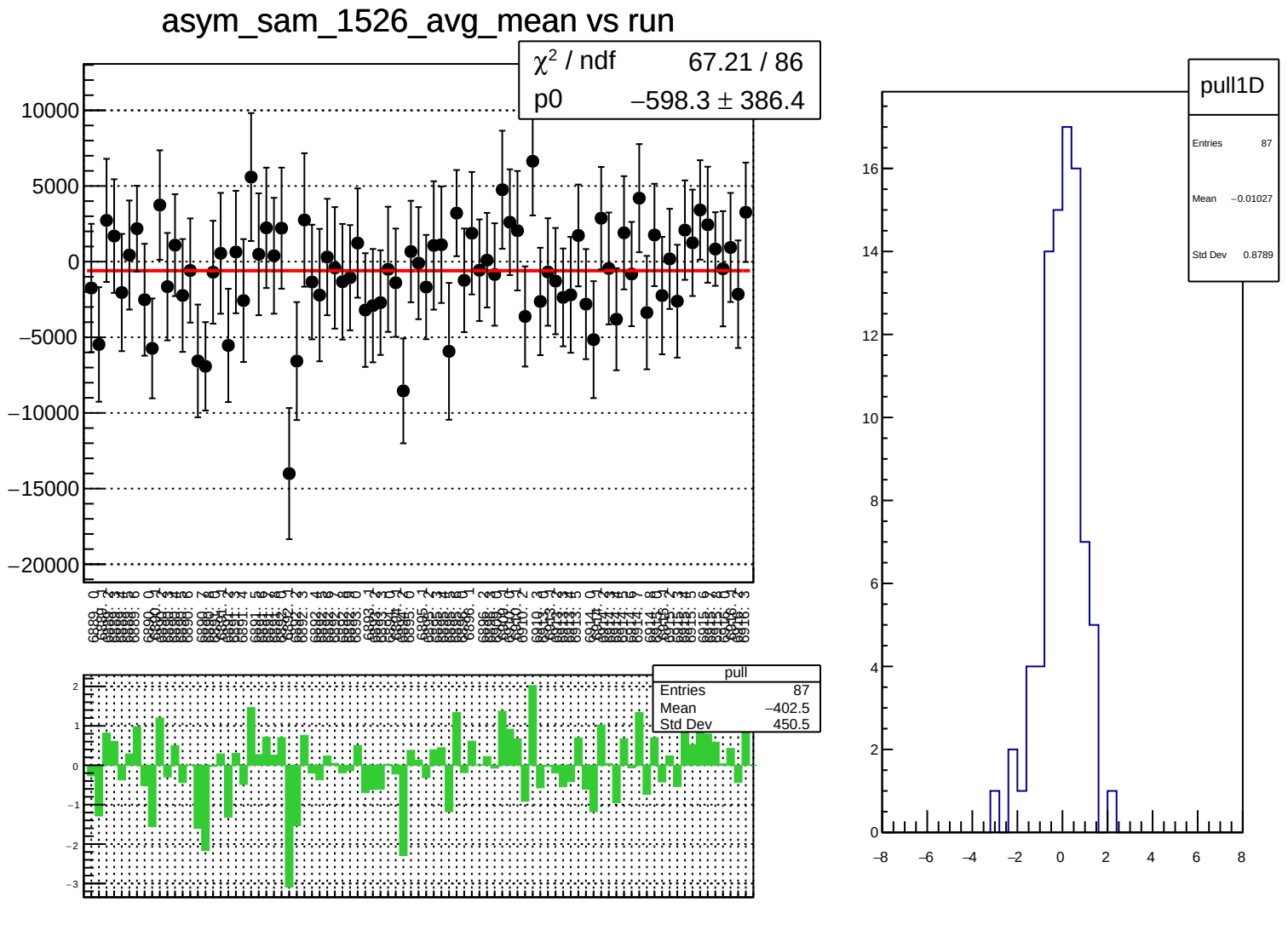
dit_asym_sam_1526_avg_rms vs run



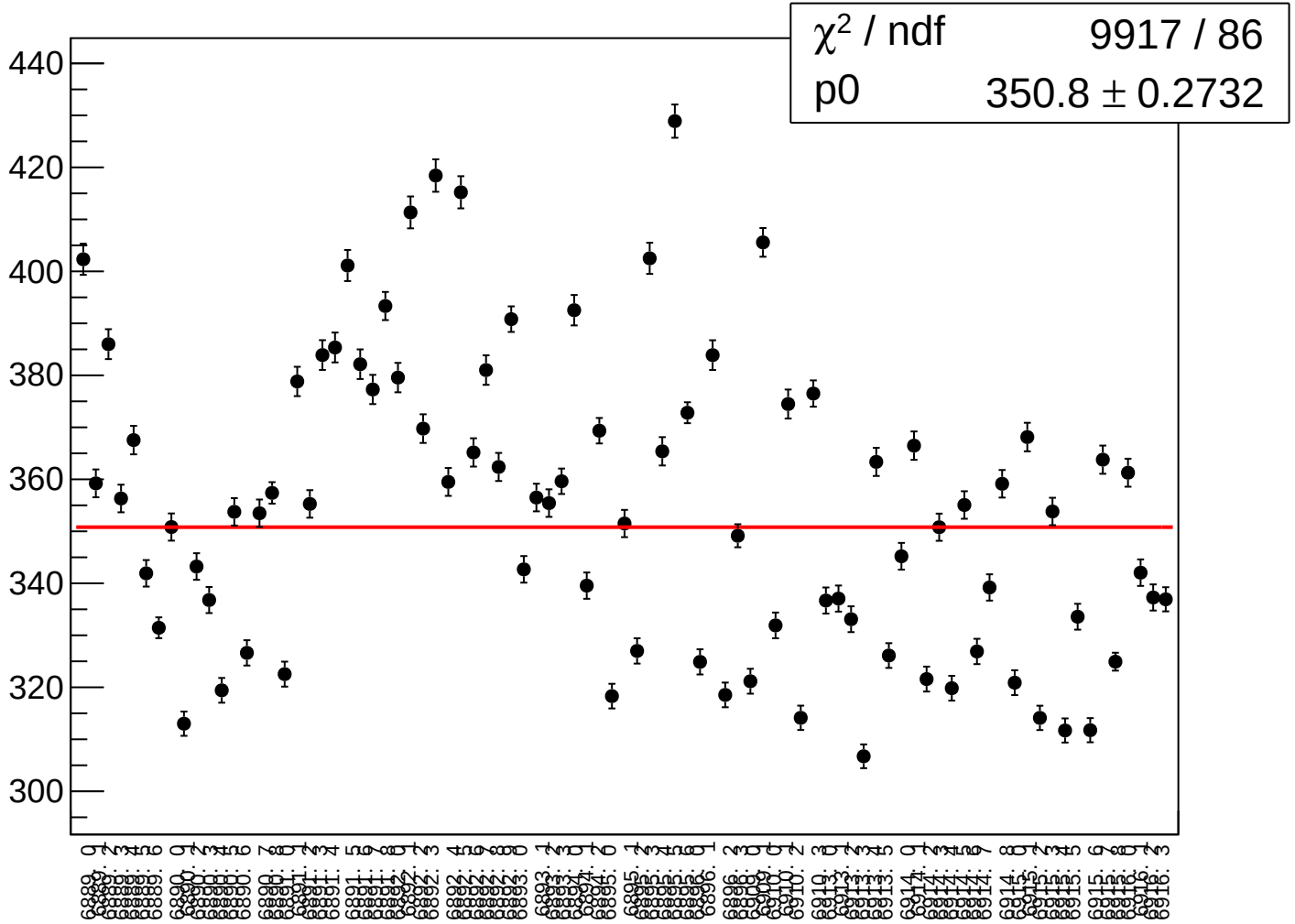

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 65.03 / 86
p0 527.3 ± 375.1
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −833.6
Std Dev 884.1
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.004123
Std Dev 0.8645
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

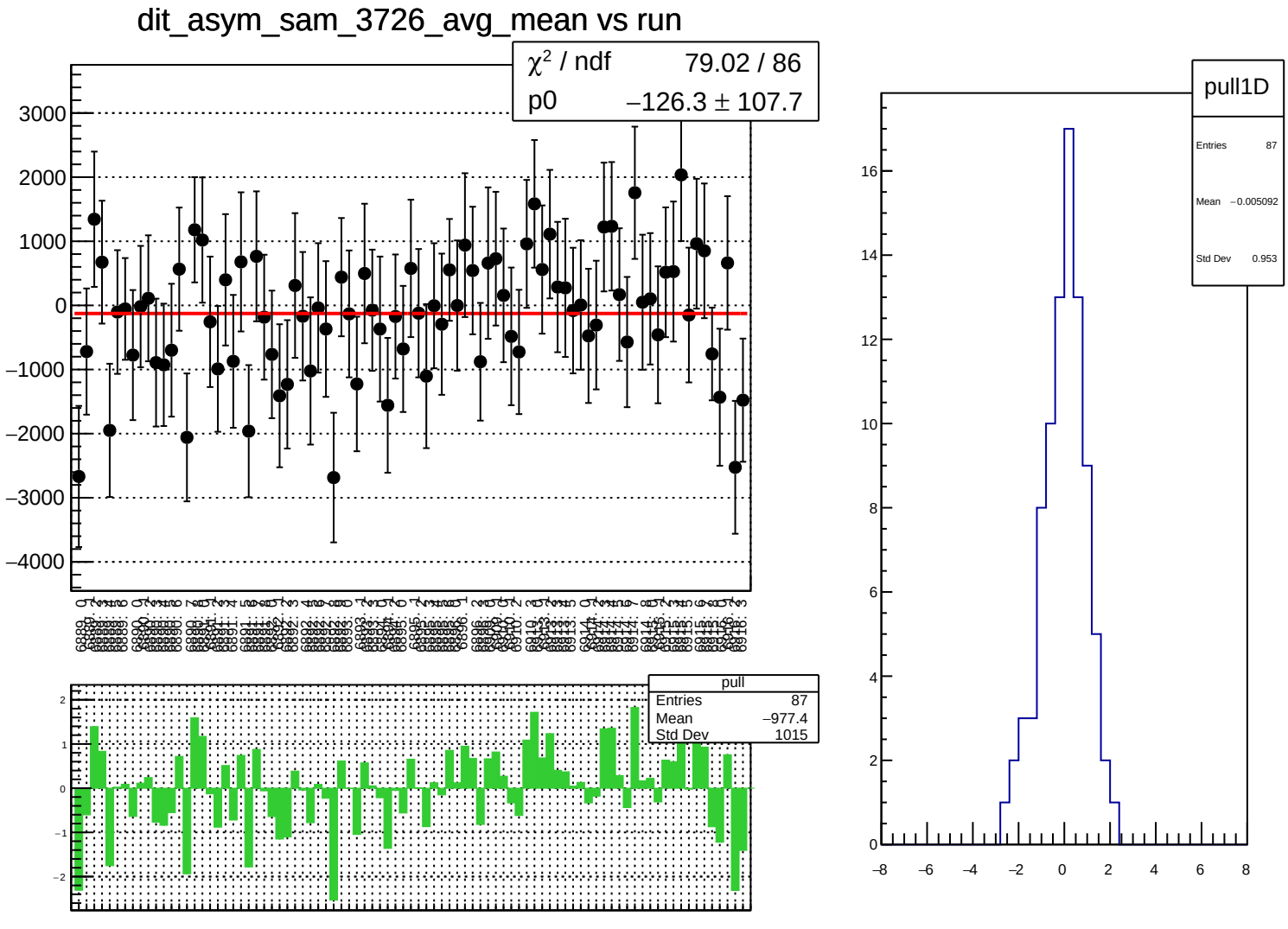
asym_sam_1526_avg_correction_rms vs run



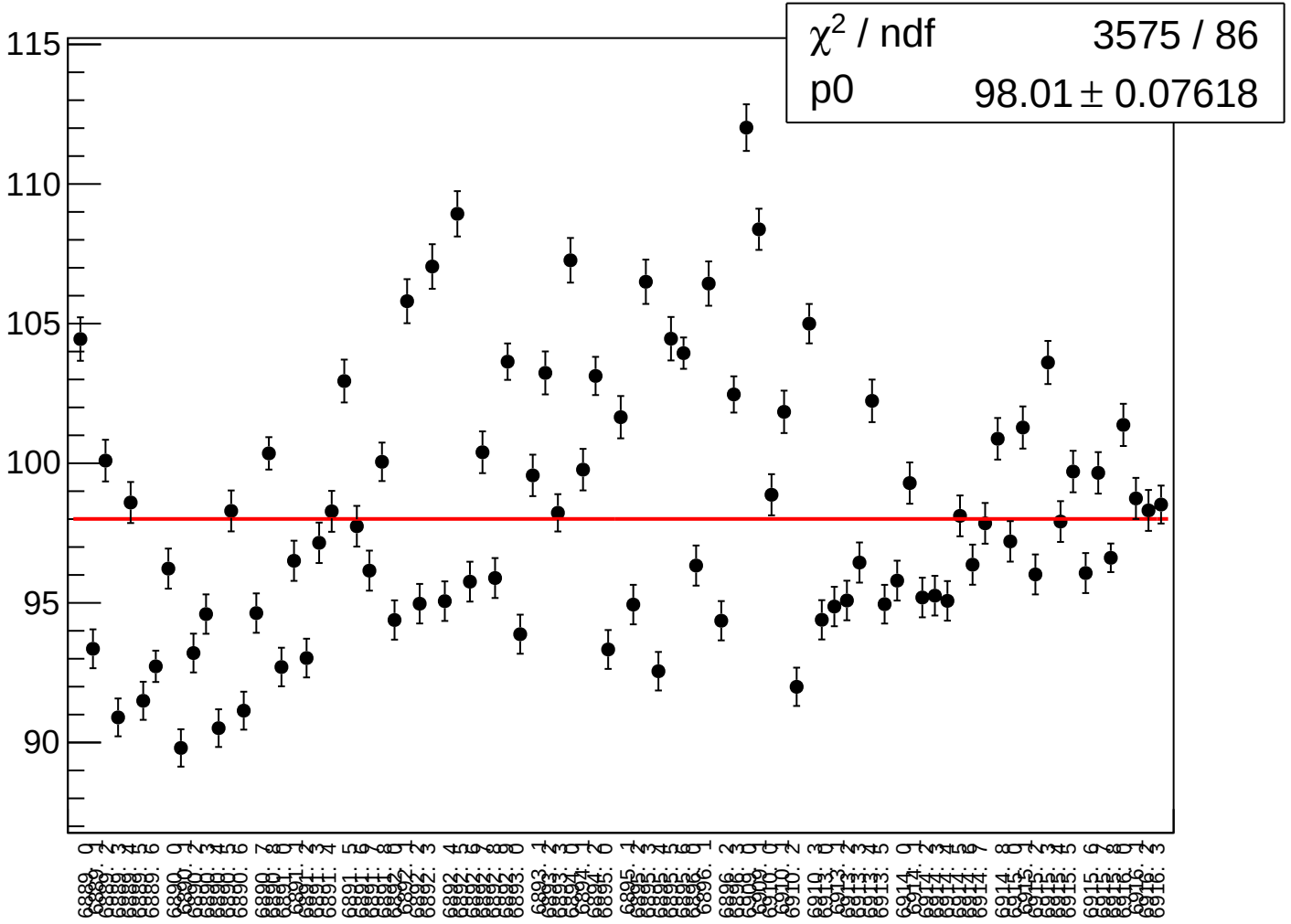

asym_sam_1526_avg_mean vs run
χ² / ndf 67.21 / 86
p0 −598.3 ± 386.4
pull
Entries 87
Mean −402.5
Std Dev 450.5
pull1D
Entries 87
Mean −0.01027
Std Dev 0.8789

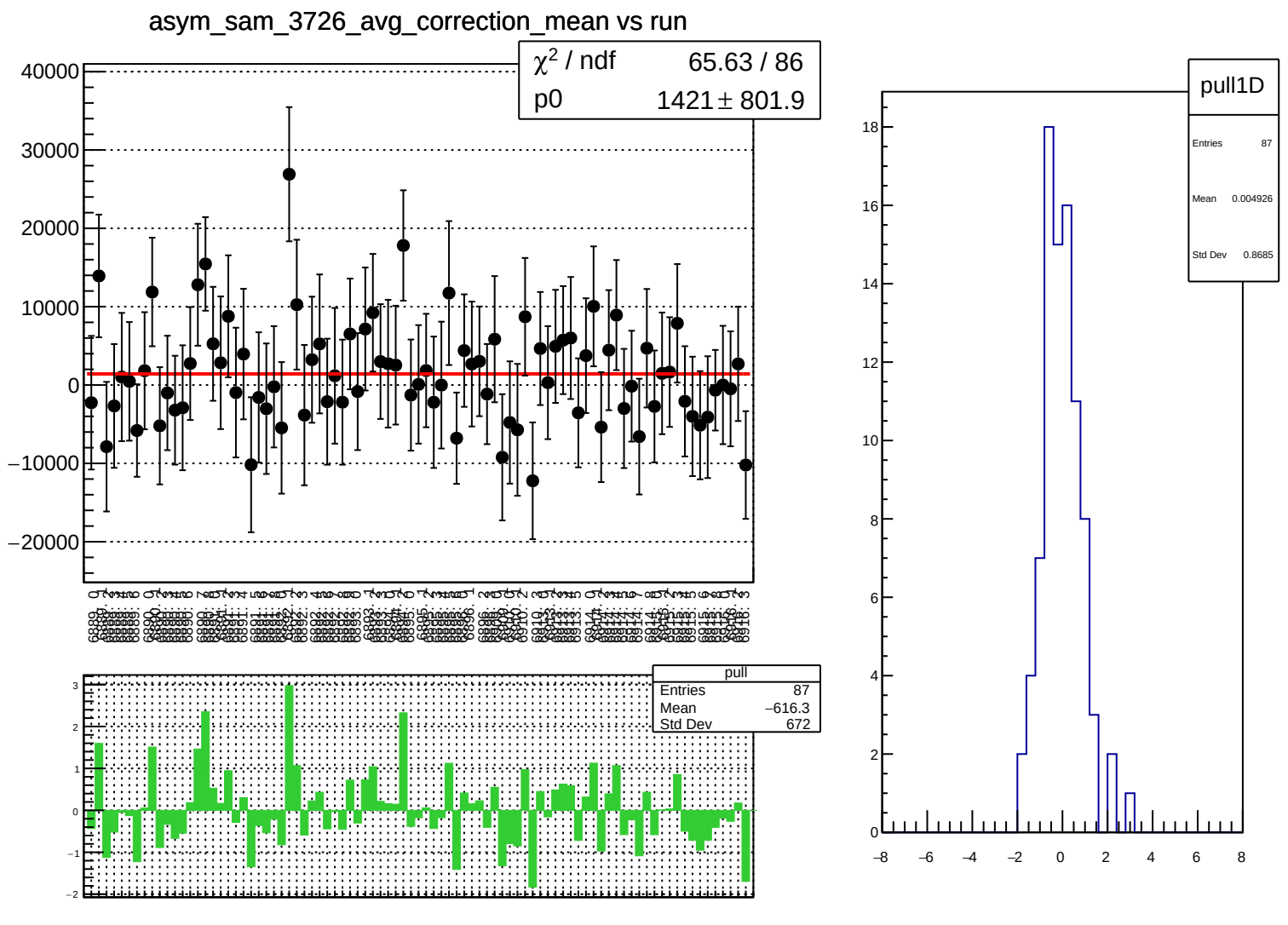
asym_sam_1526_avg_rms vs run



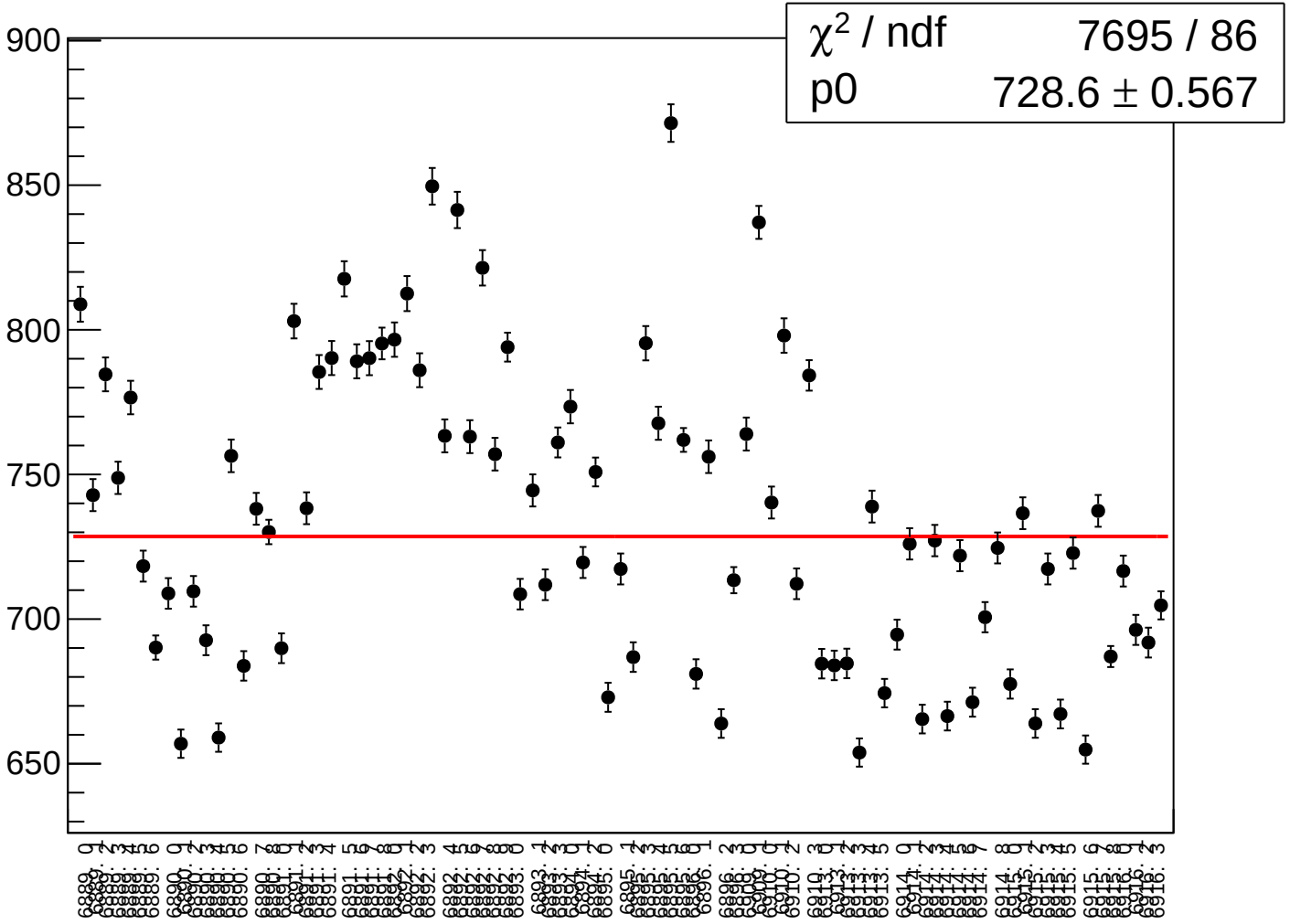

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 79.02 / 86
p0 −126.3 ± 107.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 87
Mean −977.4
Std Dev 1015
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.005092
Std Dev 0.953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

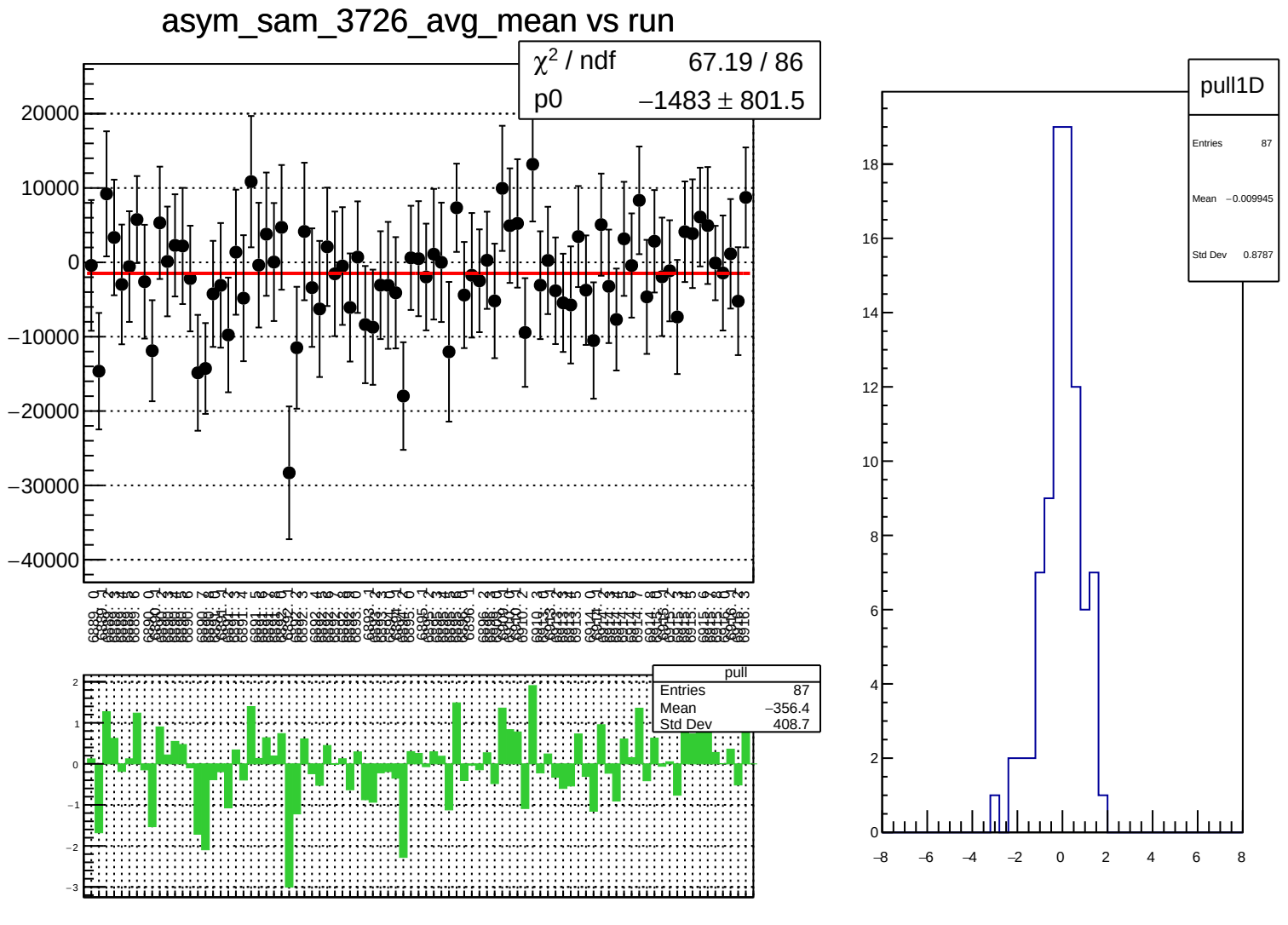
dit_asym_sam_3726_avg_rms vs run

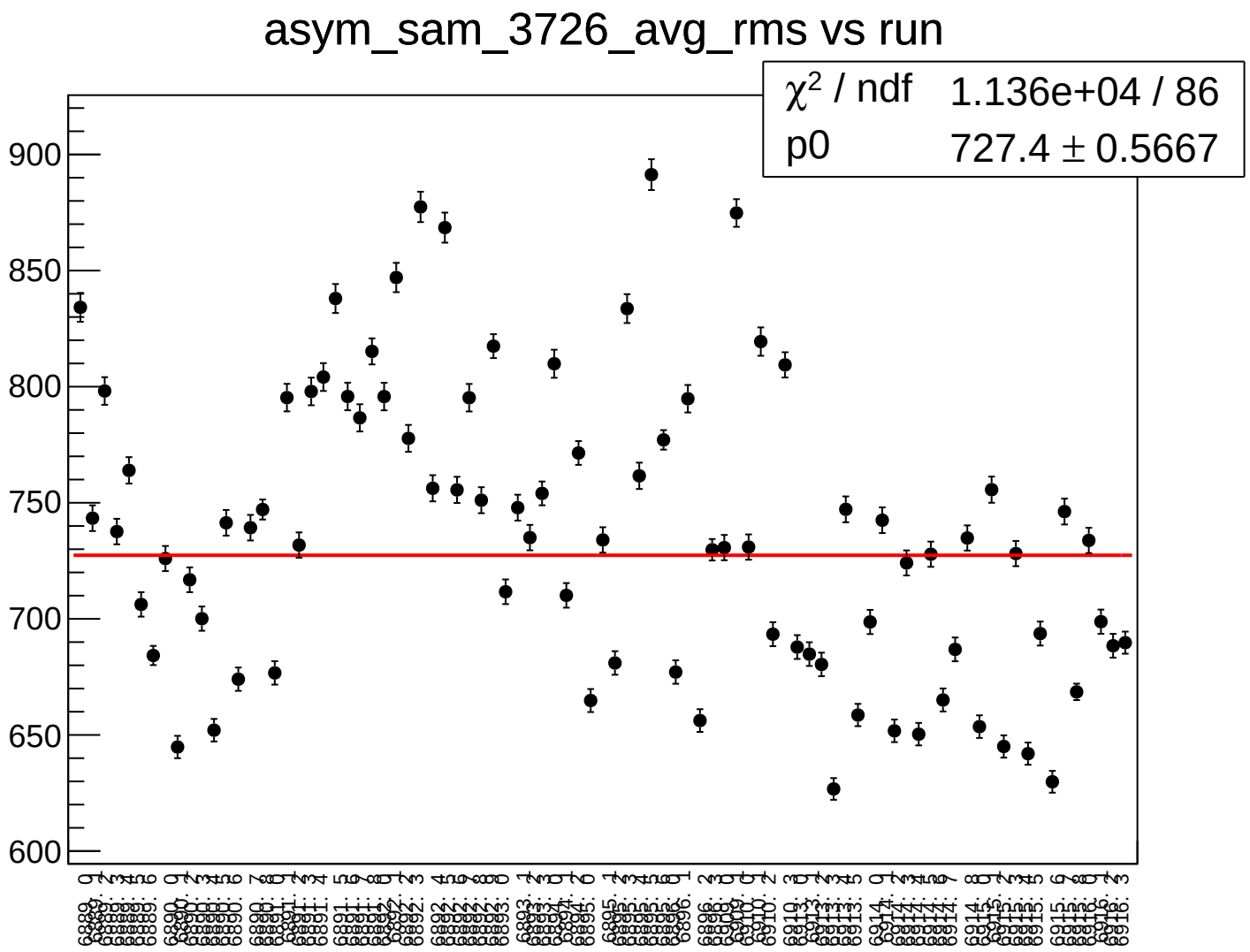


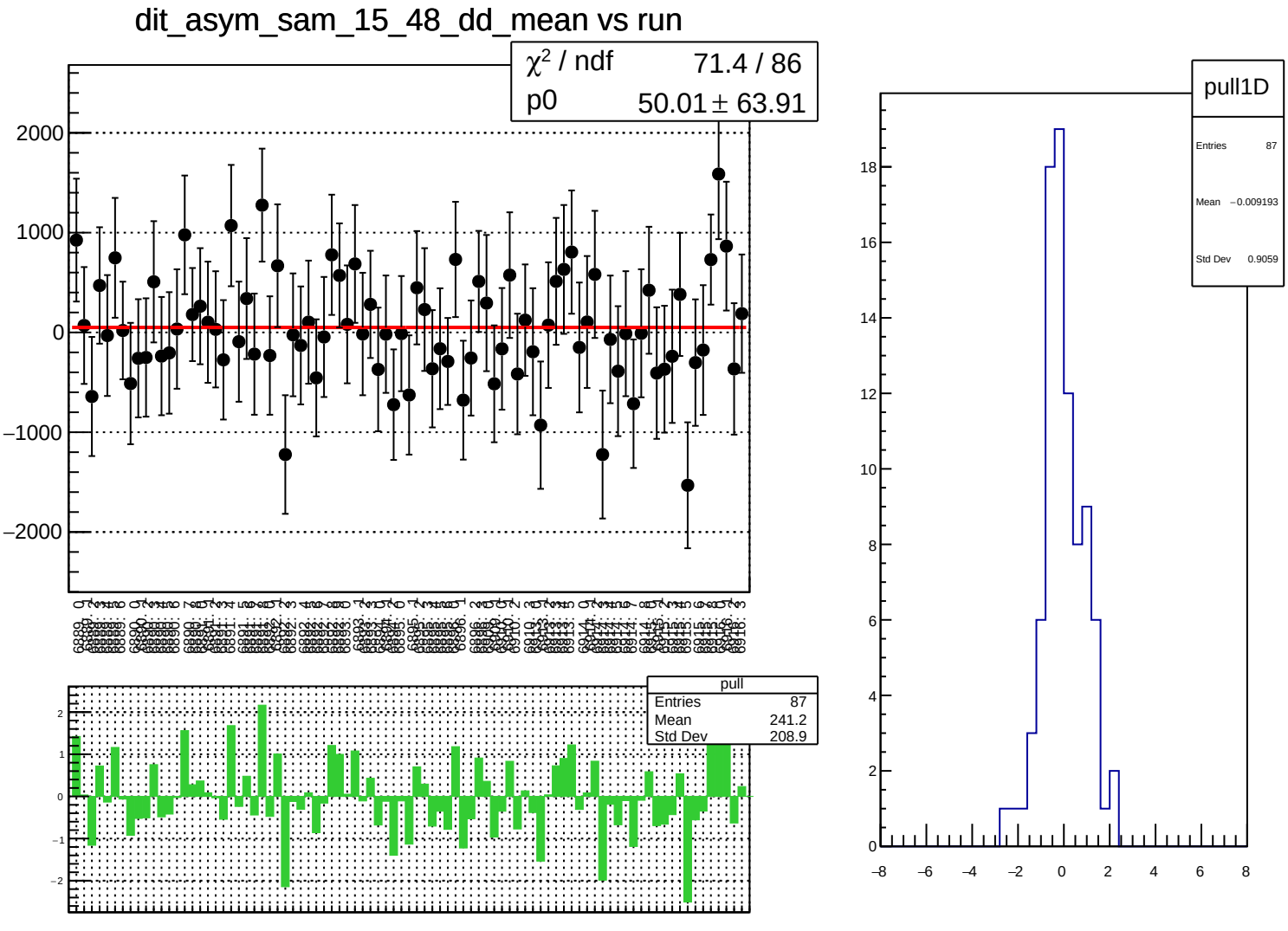

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 65.63 / 86
p0 1421 ± 801.9
pull
Entries 87
Mean −616.3
Std Dev 672
pull1D
Entries 87
Mean 0.004926
Std Dev 0.8685

asym_sam_3726_avg_correction_rms vs run

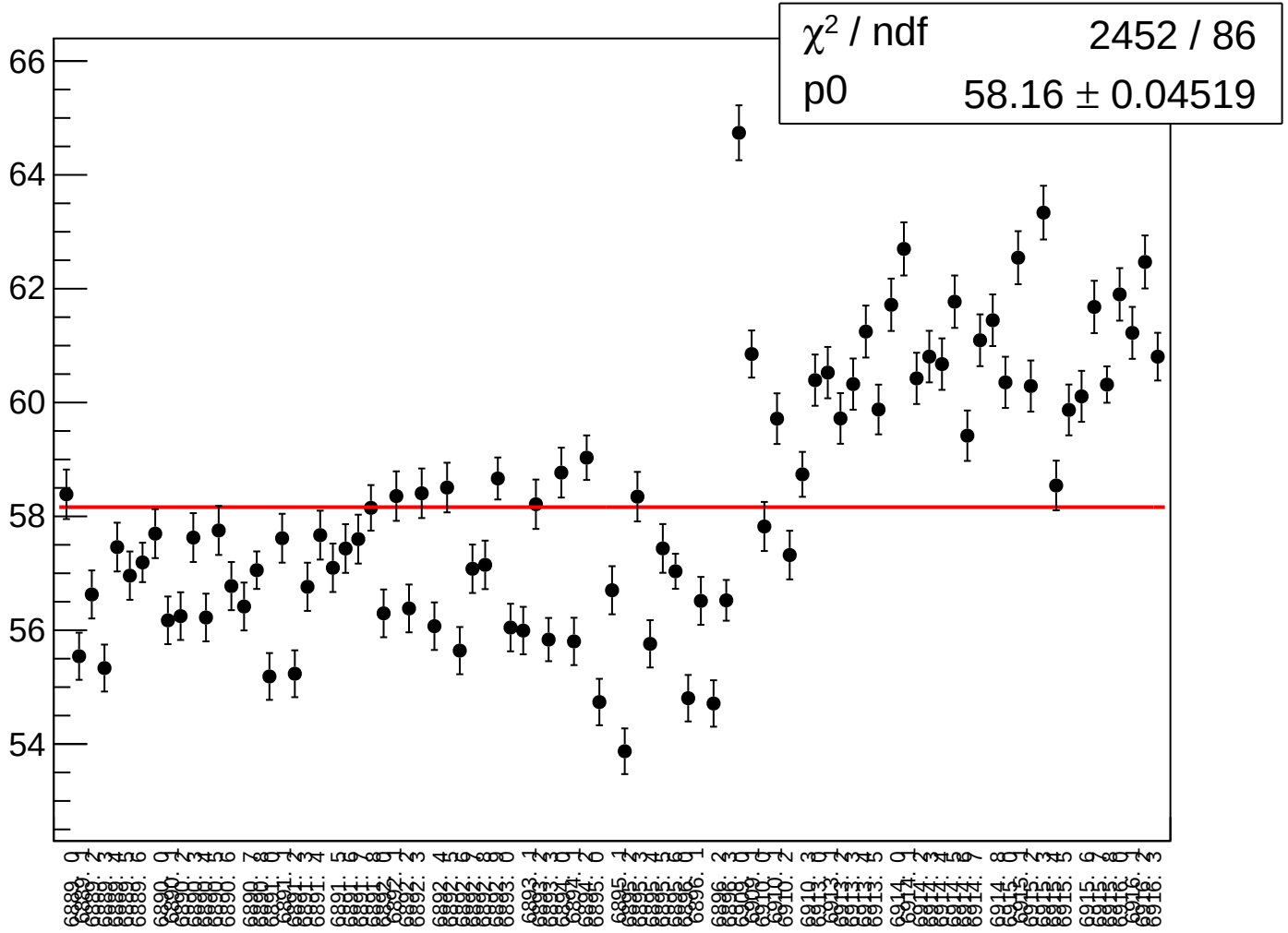


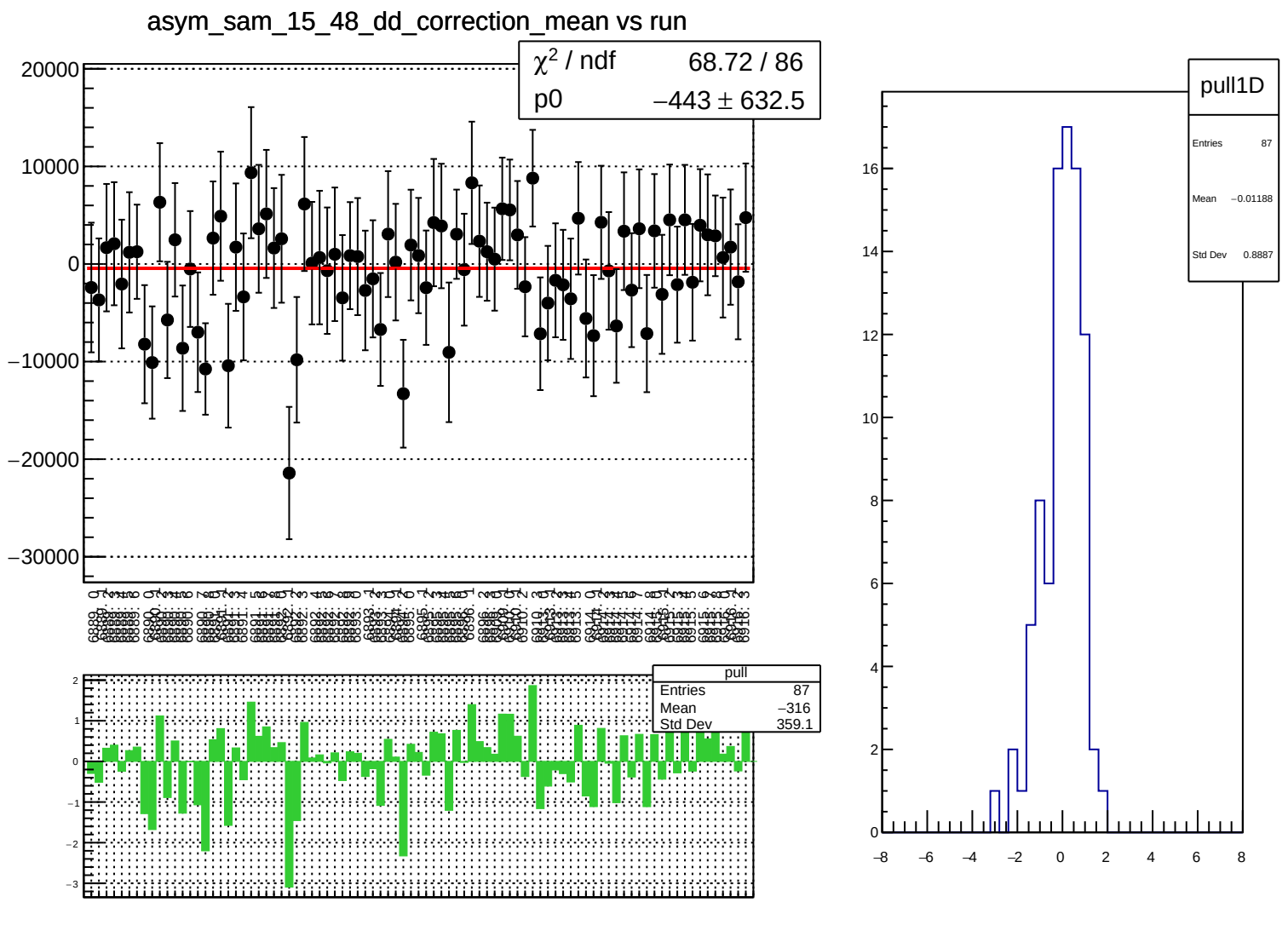

asym_sam_3726_avg_mean vs run
χ² / ndf 67.19 / 86
p0 −1483 ± 801.5
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −356.4
Std Dev 408.7
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.009945
Std Dev 0.8787
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

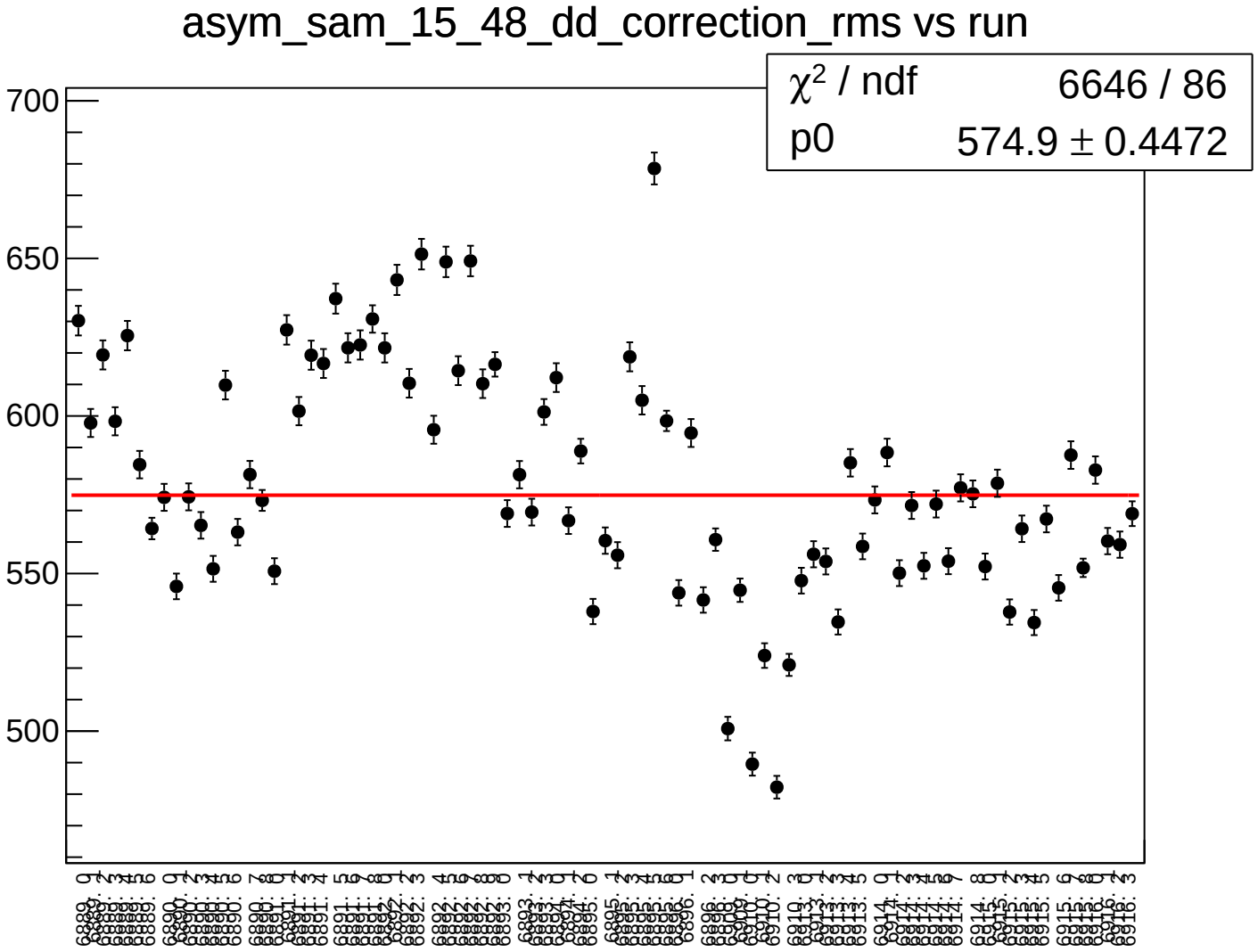

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.136e+04 / 86
p0 727.4 ± 0.5667
900
850
800
750
700
650
600

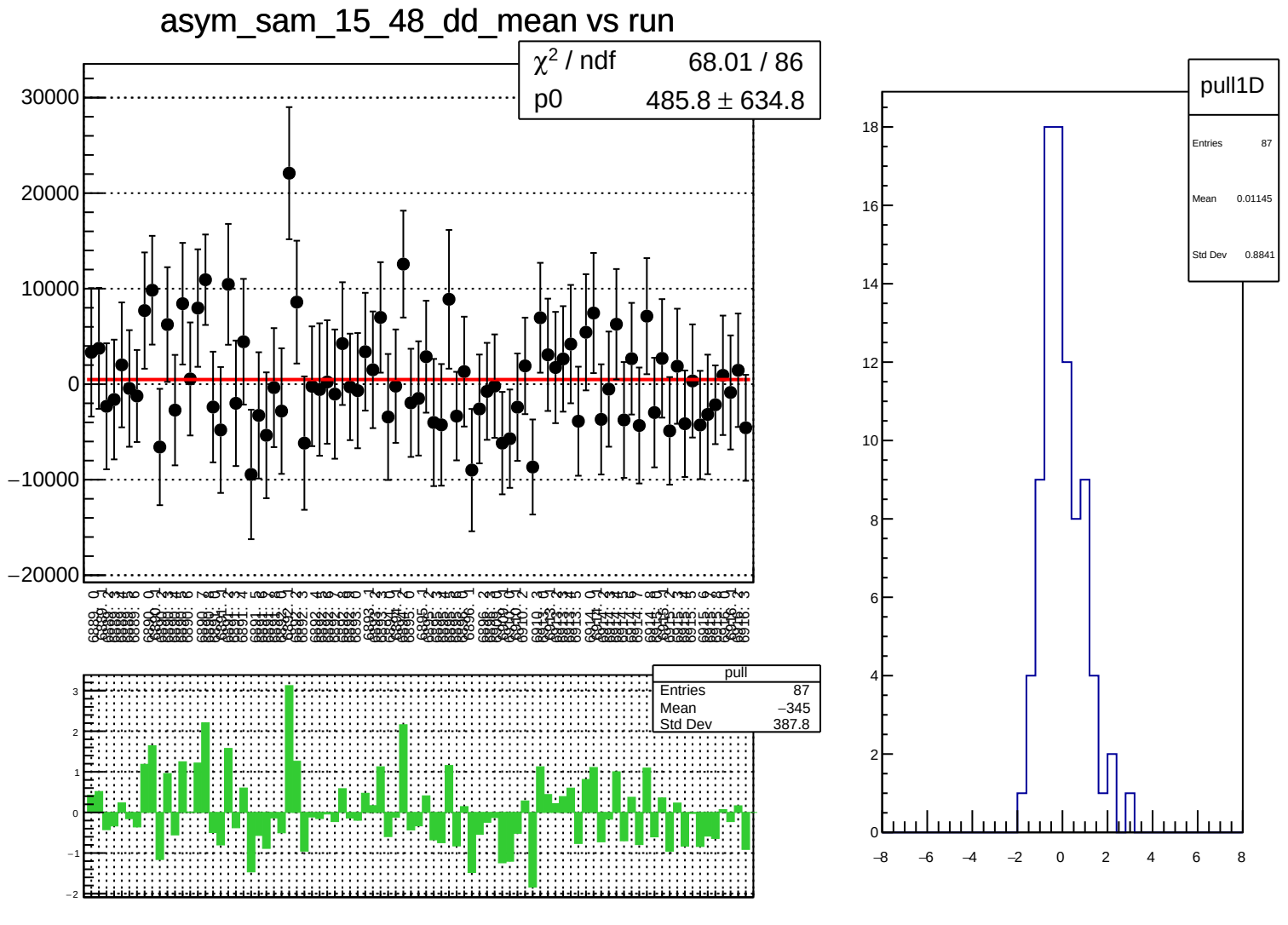

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.4 / 86
p0 50.01 ± 63.91
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 241.2
Std Dev 208.9
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.009193
Std Dev 0.9059
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_48_dd_rms vs run

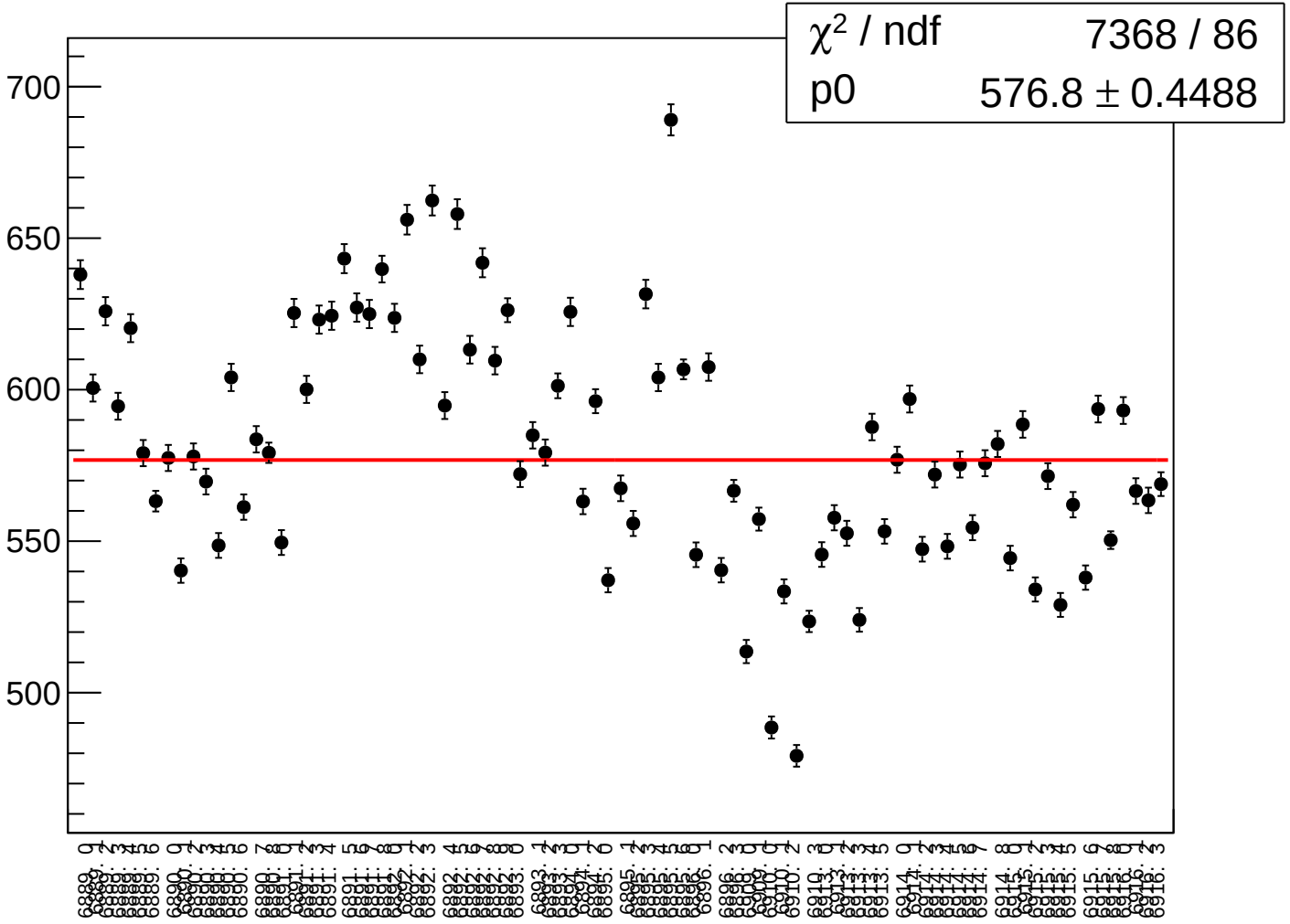


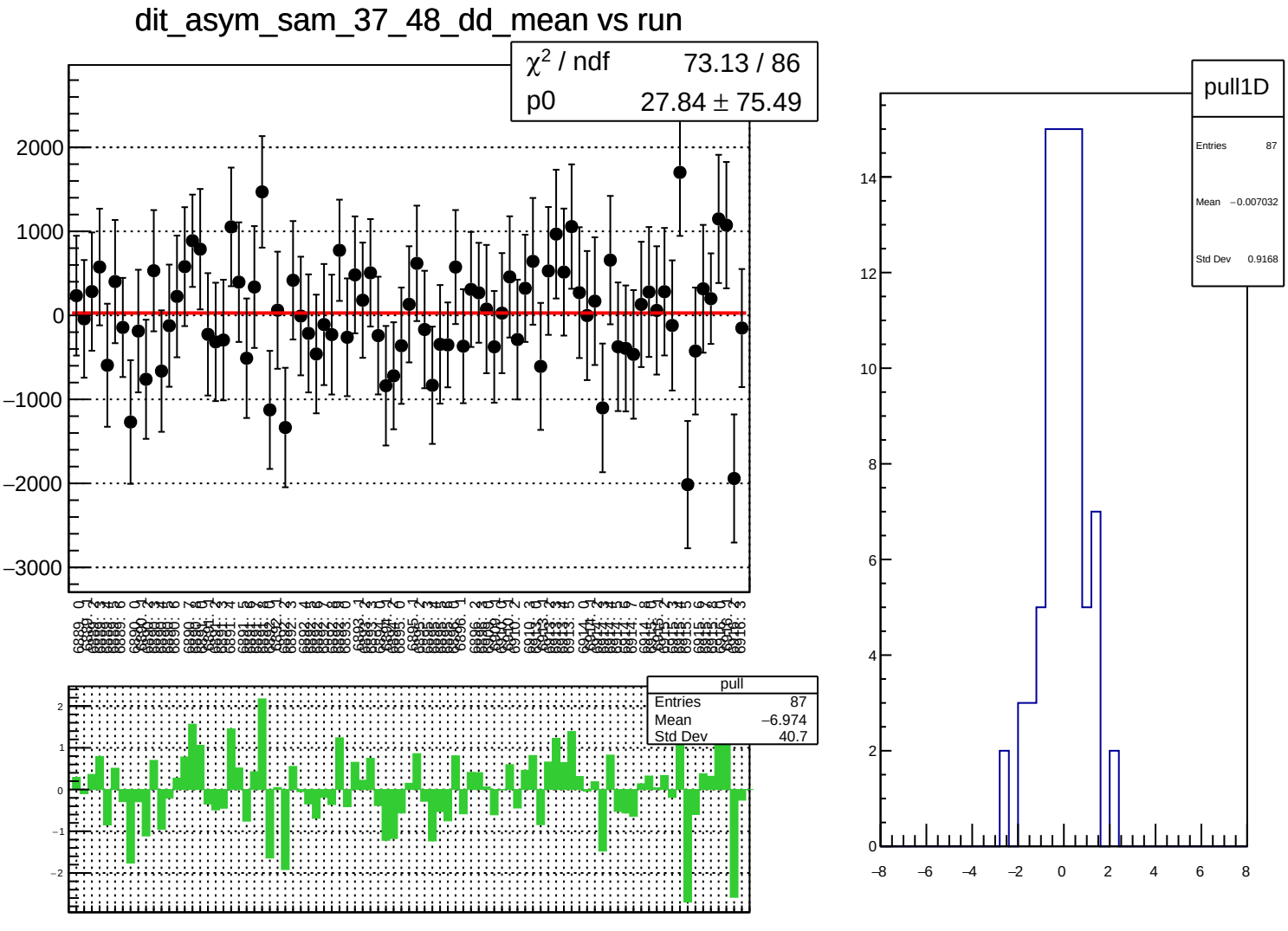

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 68.72 / 86
p0 −443 ± 632.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −316
Std Dev 359.1
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.01188
Std Dev 0.8887
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 6646 / 86
p0 574.9 ± 0.4472
700
650
600
550
500

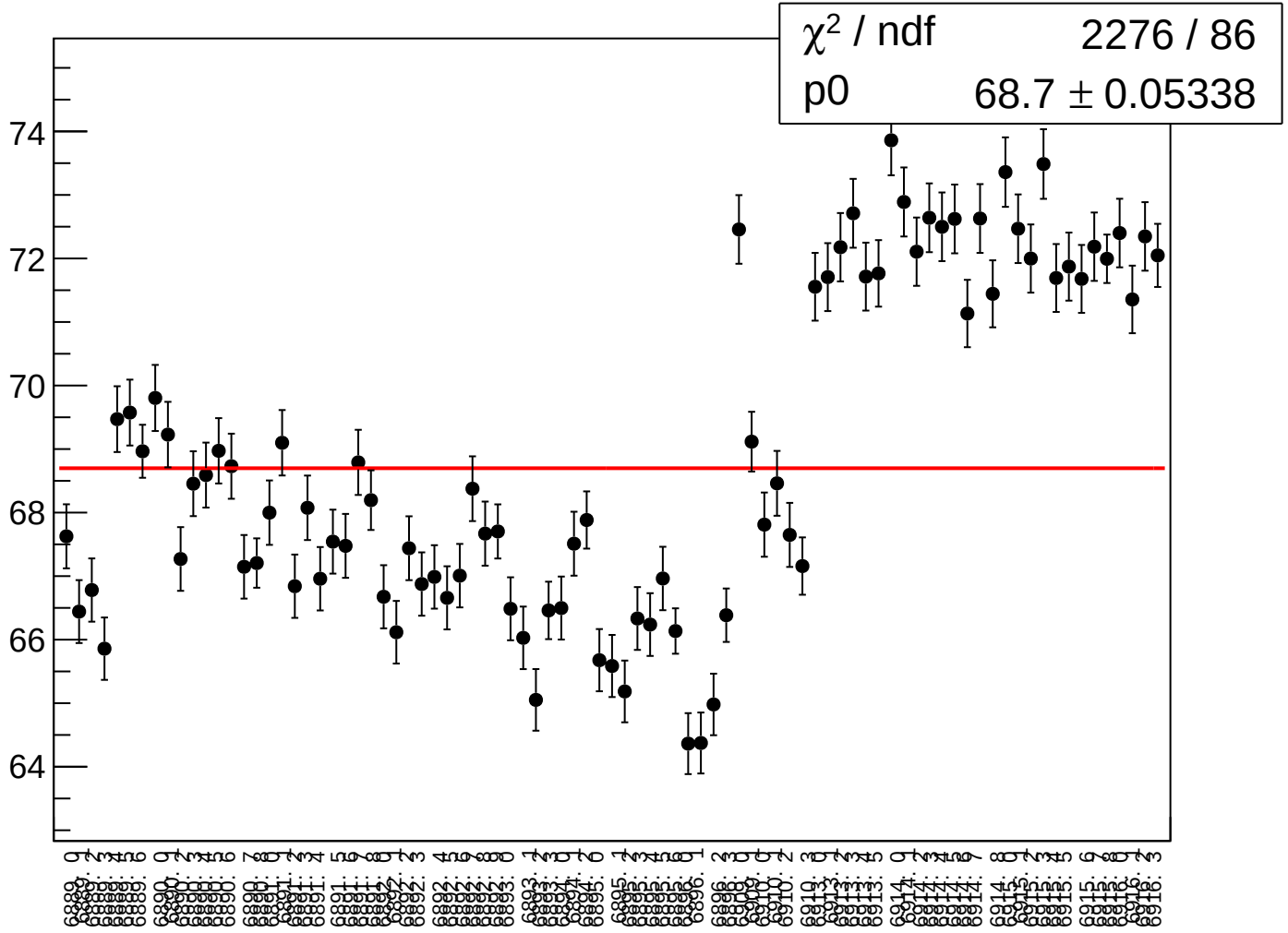

asym_sam_15_48_dd_mean vs run
χ² / ndf 68.01 / 86
p0 485.8 ± 634.8
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −345
Std Dev 387.8
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01145
Std Dev 0.8841
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

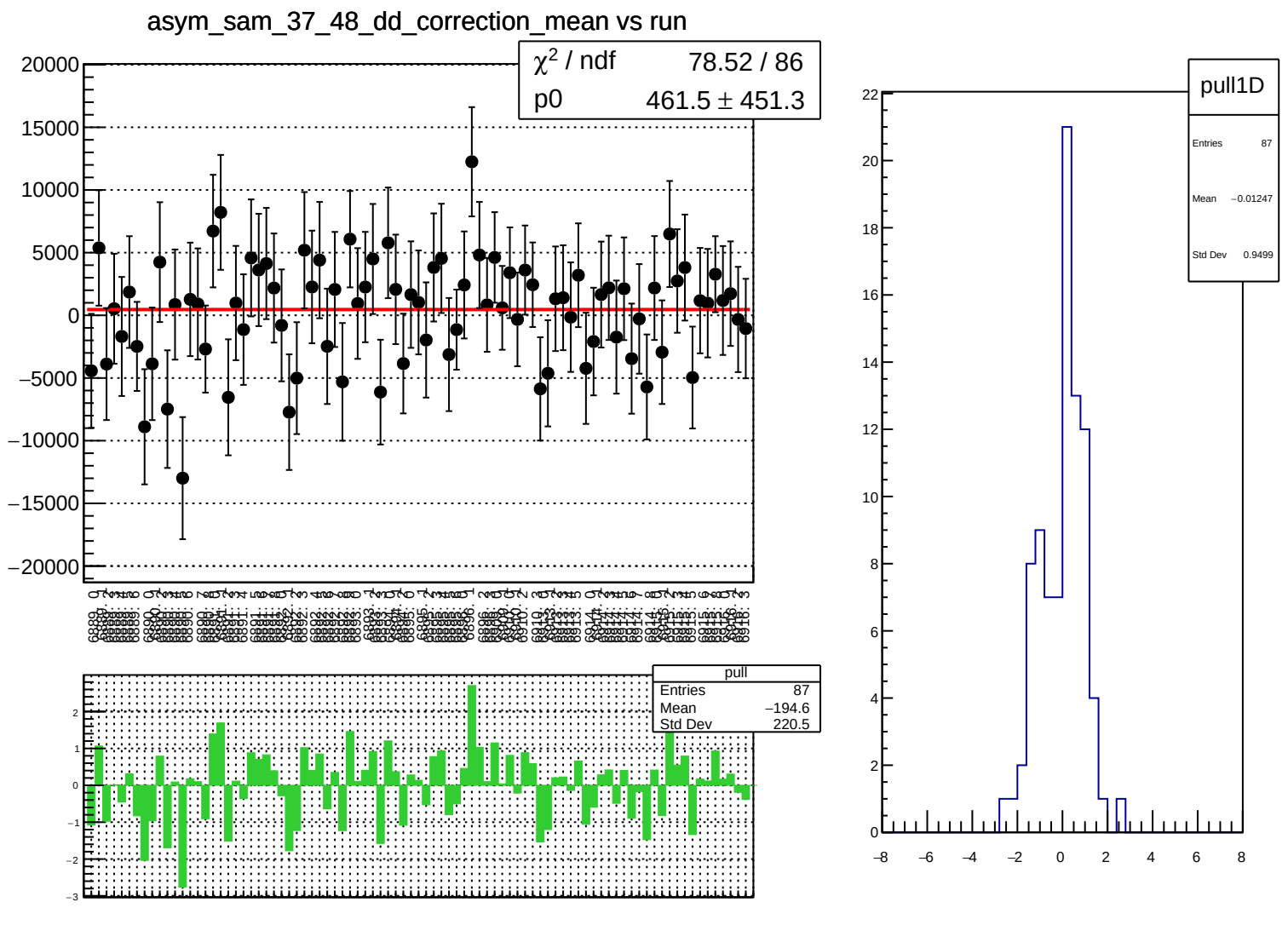
asym_sam_15_48_dd_rms vs run

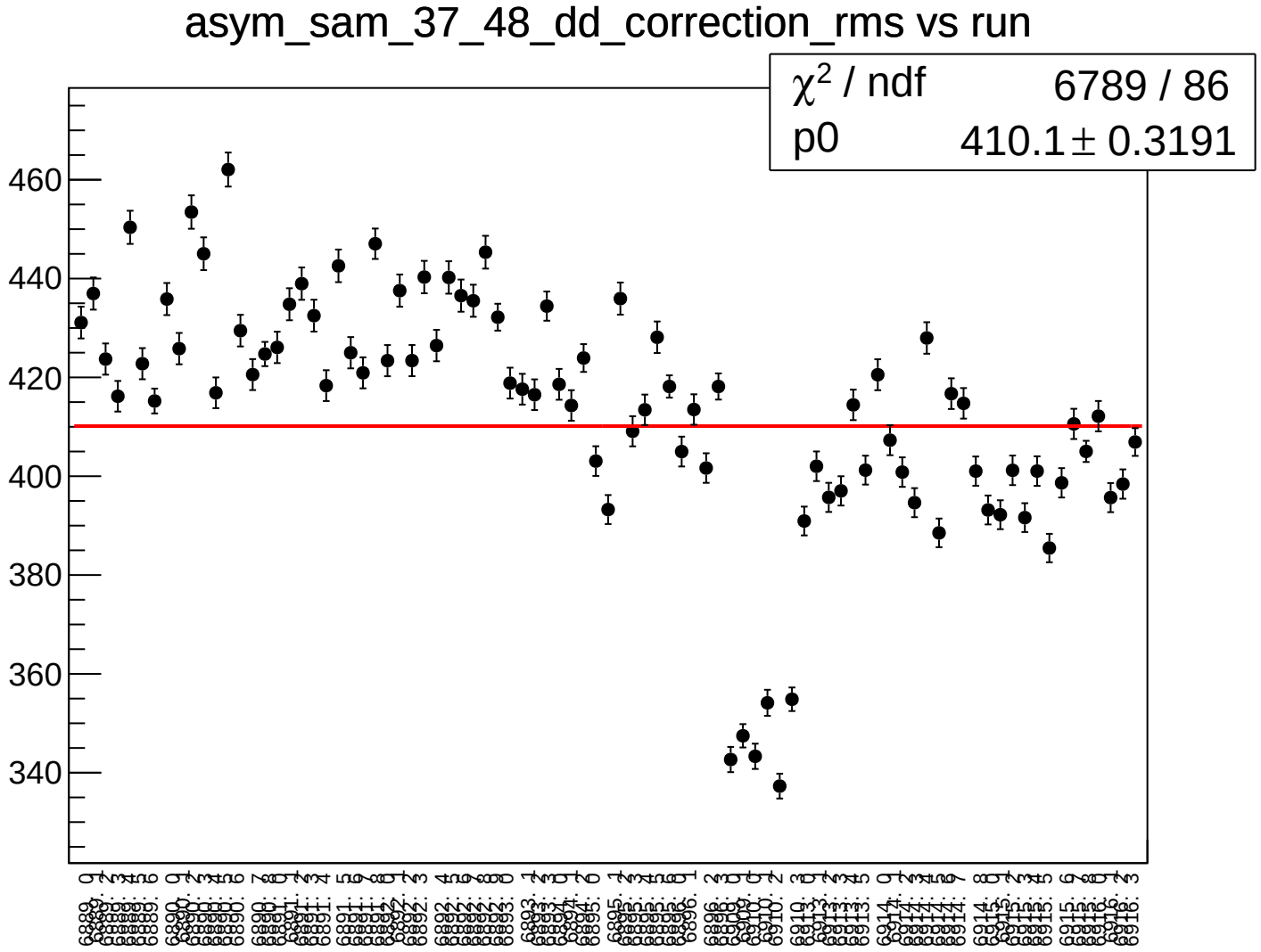


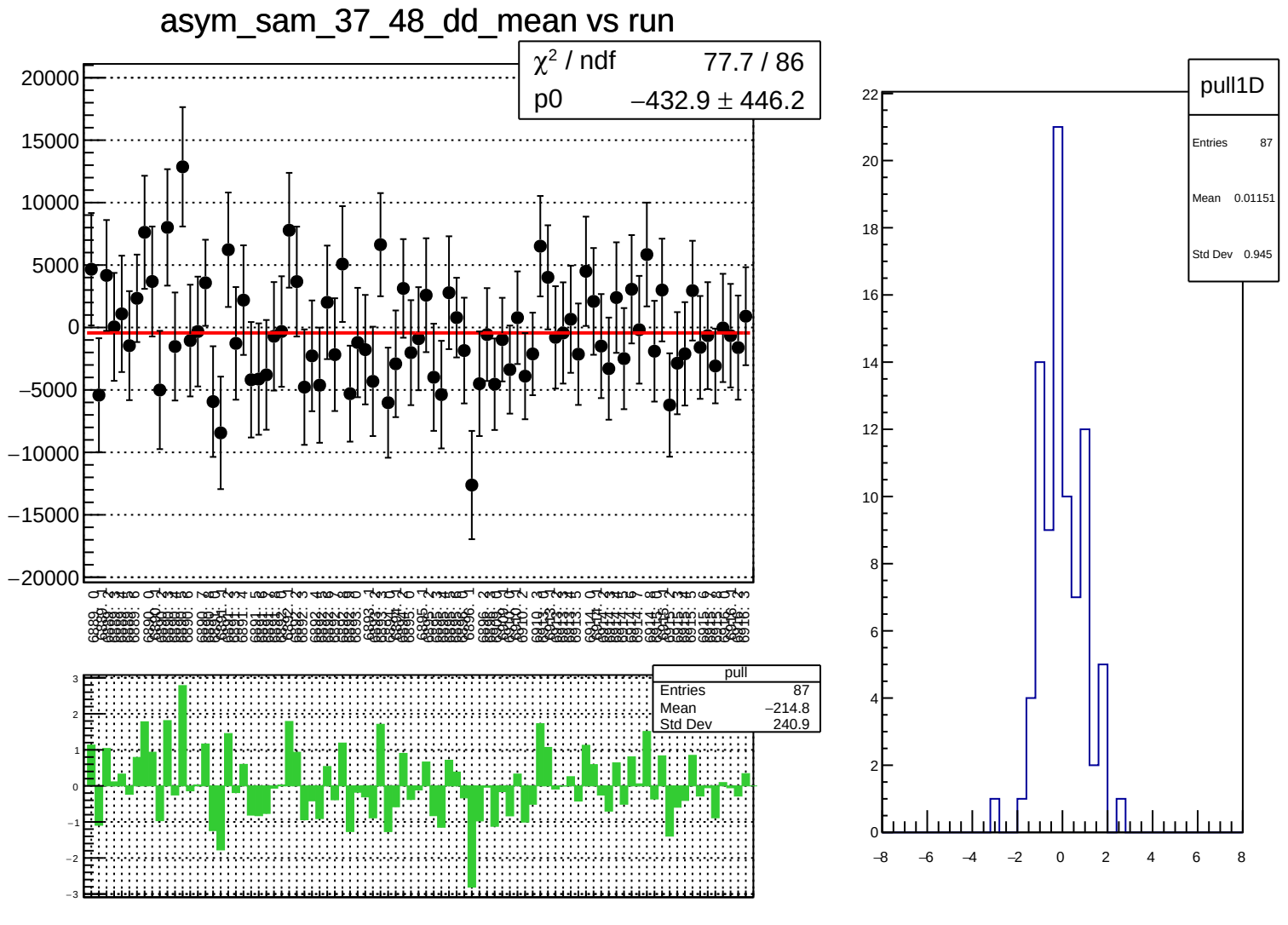

dit_asym_sam_37_48_dd_mean vs run
χ2 / ndf 73.13 / 86
p0 27.84 ± 75.49
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −6.974
Std Dev 40.7
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.007032
Std Dev 0.9168
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_37_48_dd_rms vs run

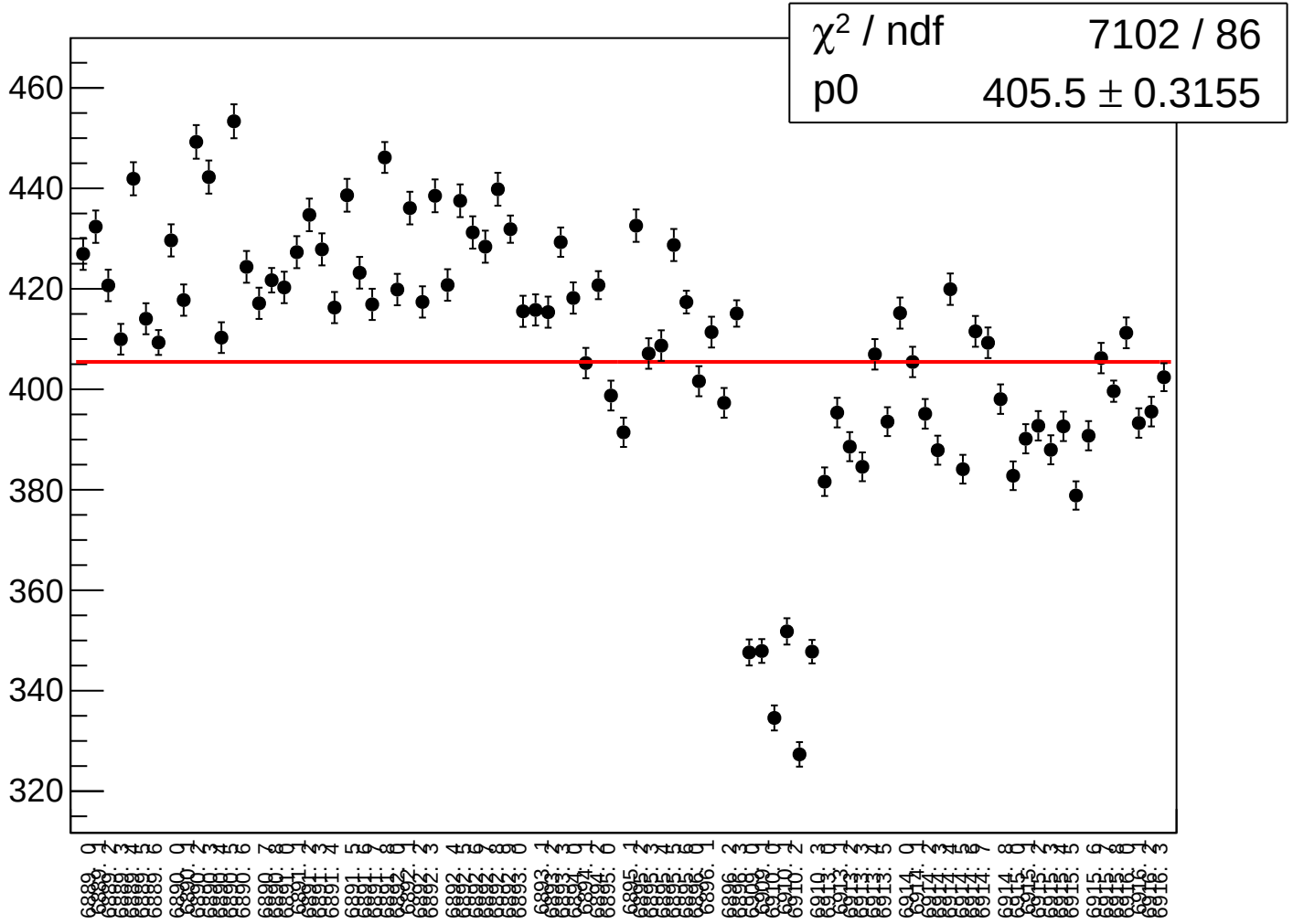


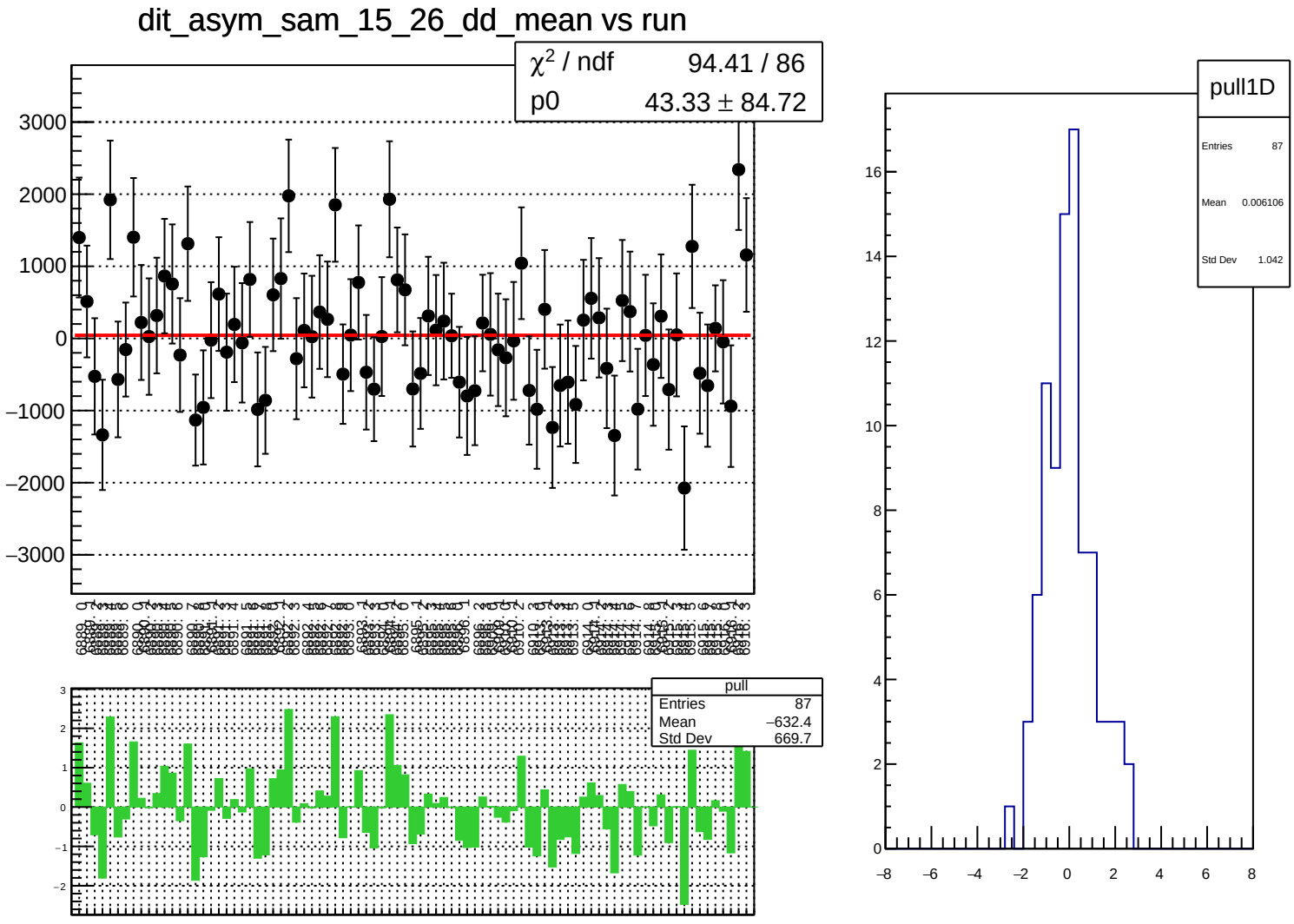

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 78.52 / 86
p0 461.5 ± 451.3
pull
Entries 87
Mean −194.6
Std Dev 220.5
pull1D
Entries 87
Mean −0.01247
Std Dev 0.9499


asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 6789 / 86
p0 410.1 ± 0.3191
460
440
420
400
380
360
340

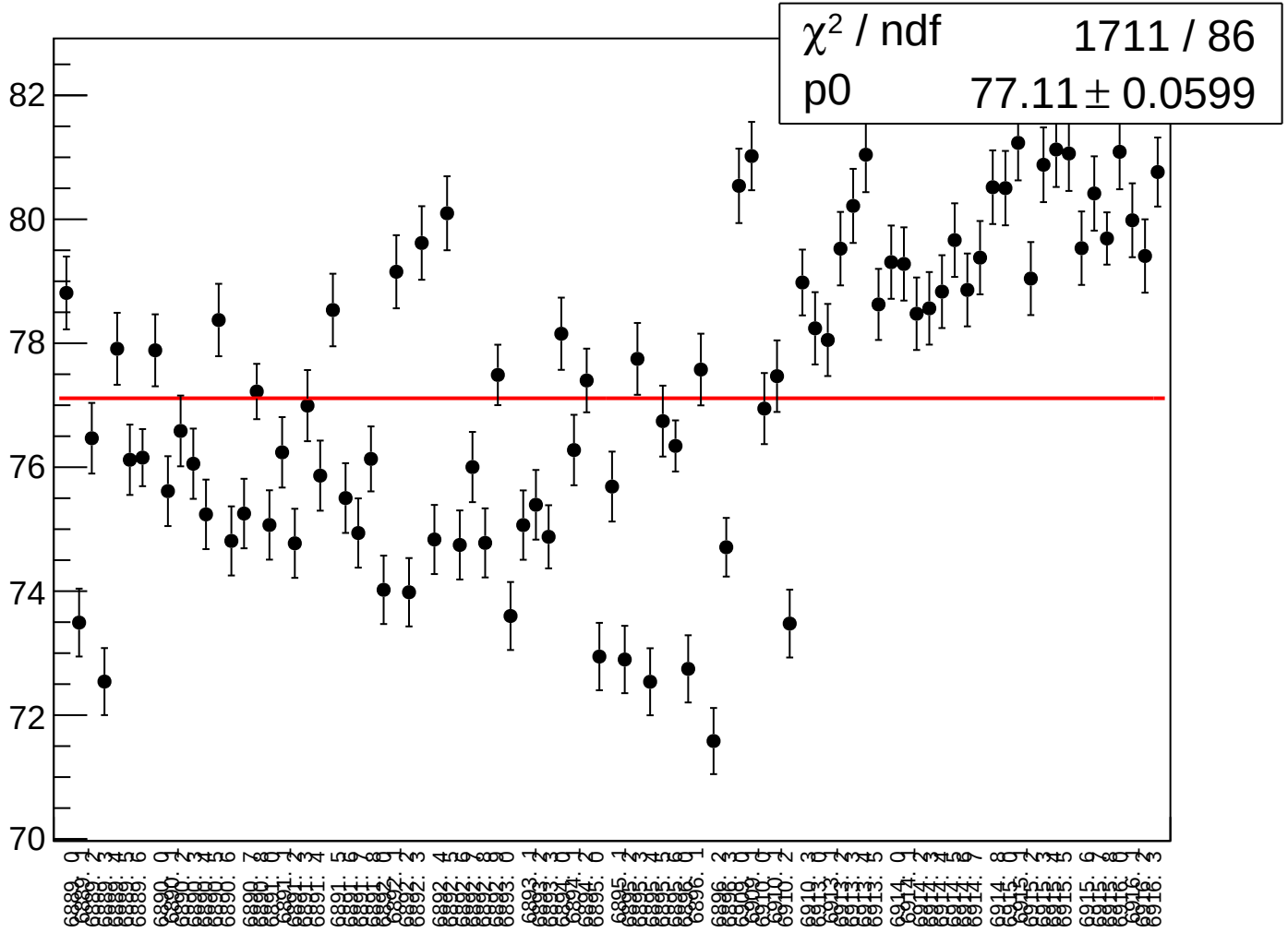

asym_sam_37_48_dd_mean vs run
χ² / ndf 77.7 / 86
p0 −432.9 ± 446.2
pull
Entries 87
Mean −214.8
Std Dev 240.9
pull1D
Entries 87
Mean 0.01151
Std Dev 0.945

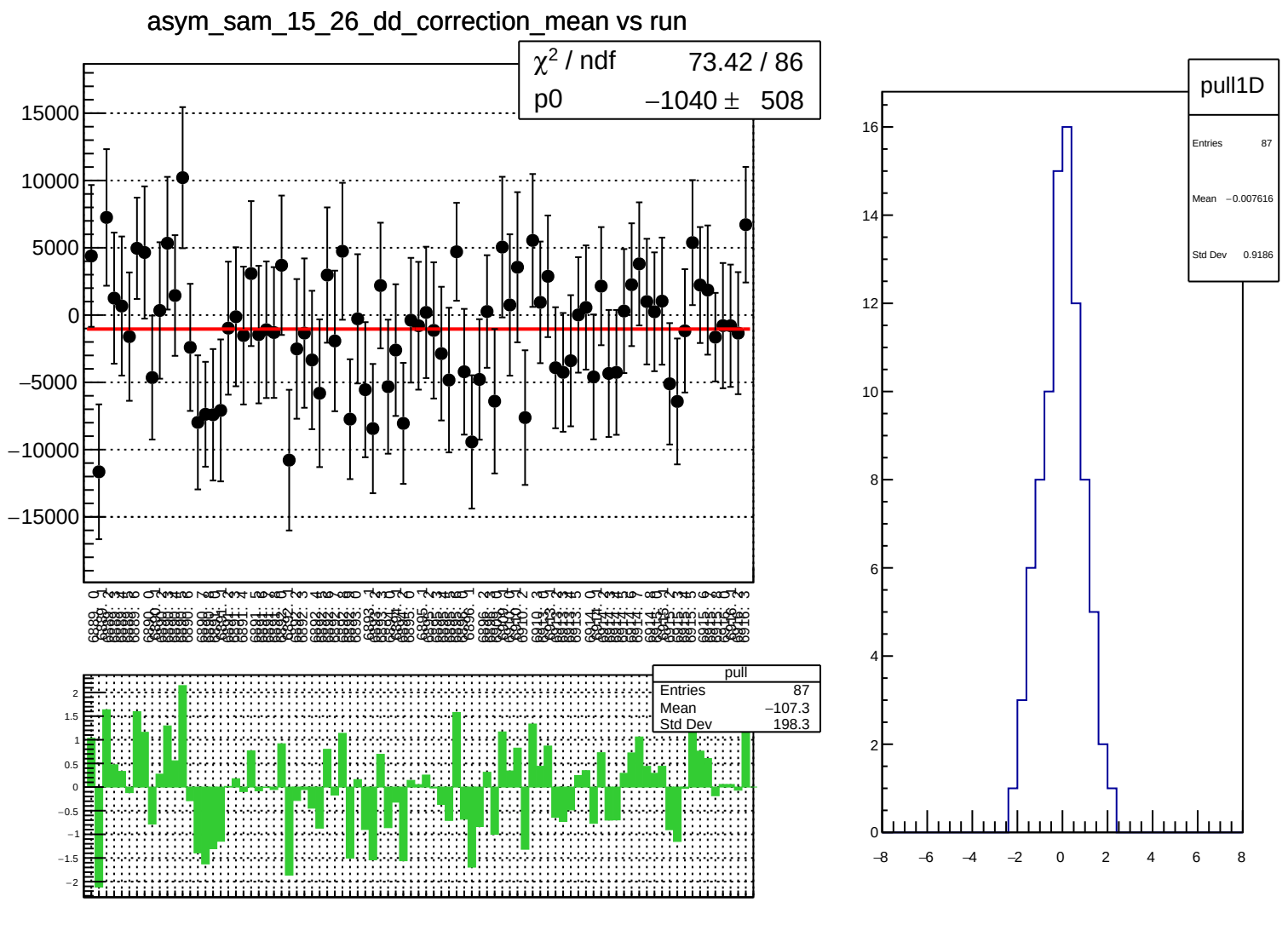
asym_sam_37_48_dd_rms vs run



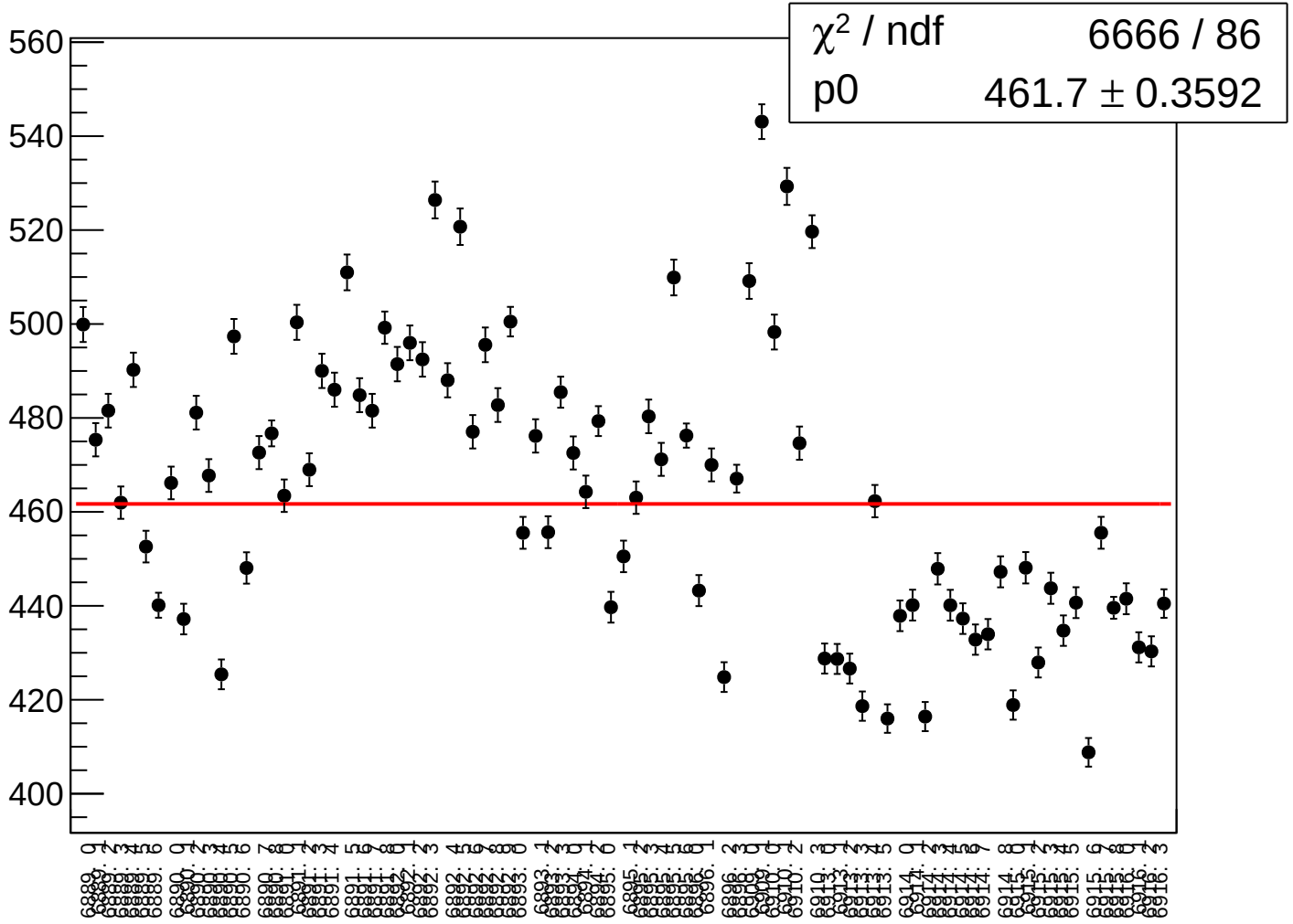

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 94.41 / 86
p0 43.33 ± 84.72
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −632.4
Std Dev 669.7
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.006106
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

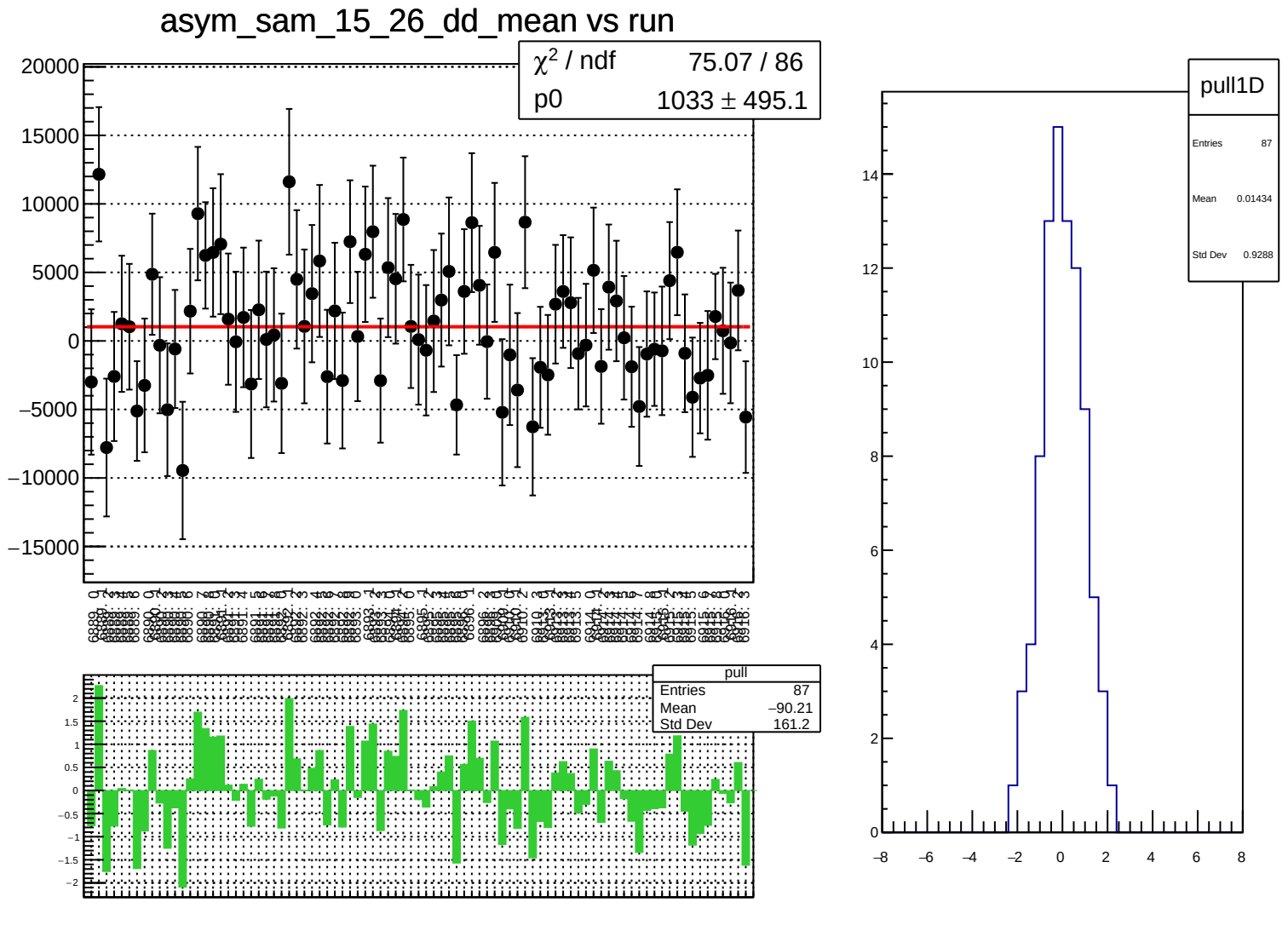
dit_asym_sam_15_26_dd_rms vs run



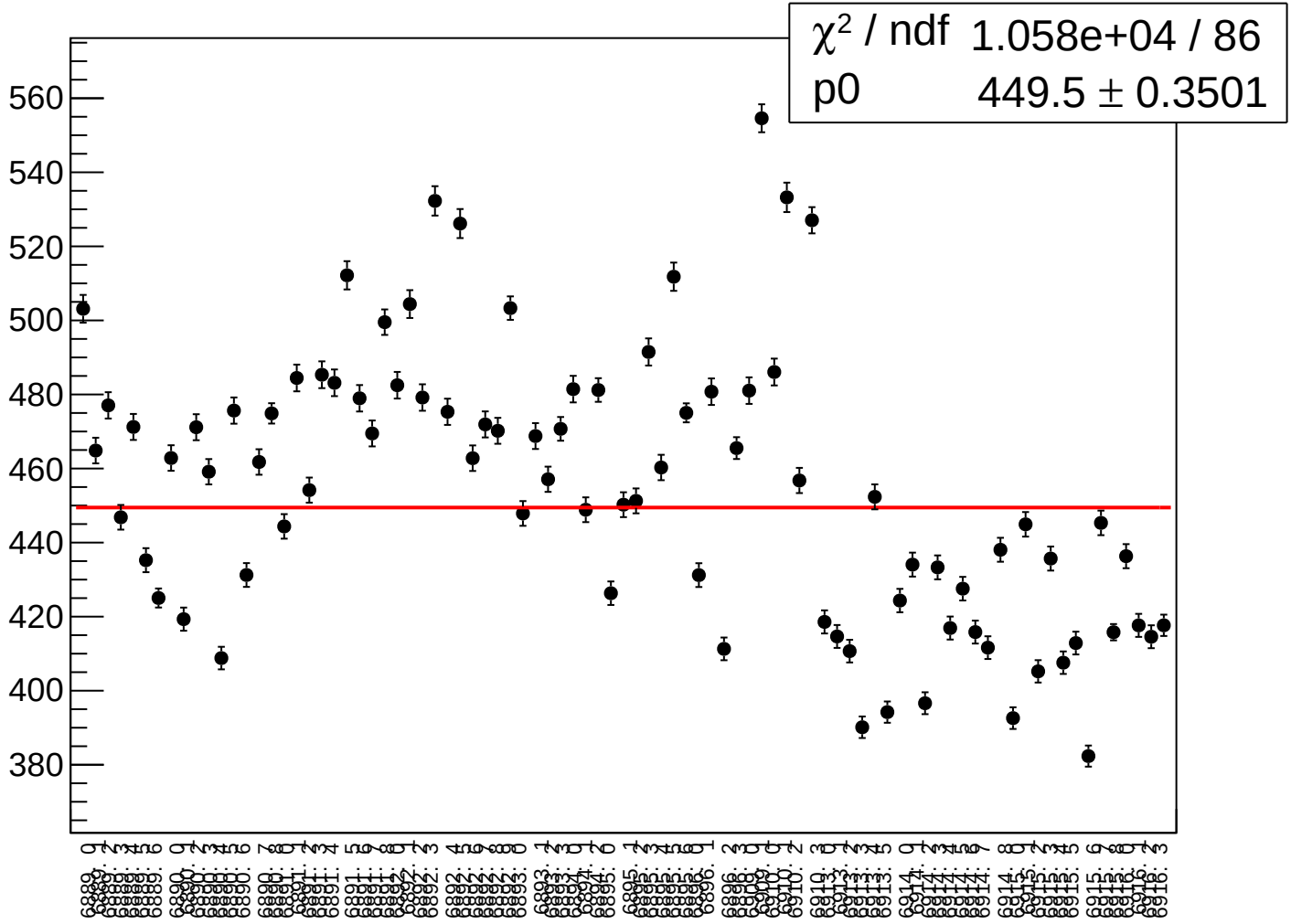

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 73.42 / 86
p0 −1040 ± 508
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −107.3
Std Dev 198.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.007616
Std Dev 0.9186
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

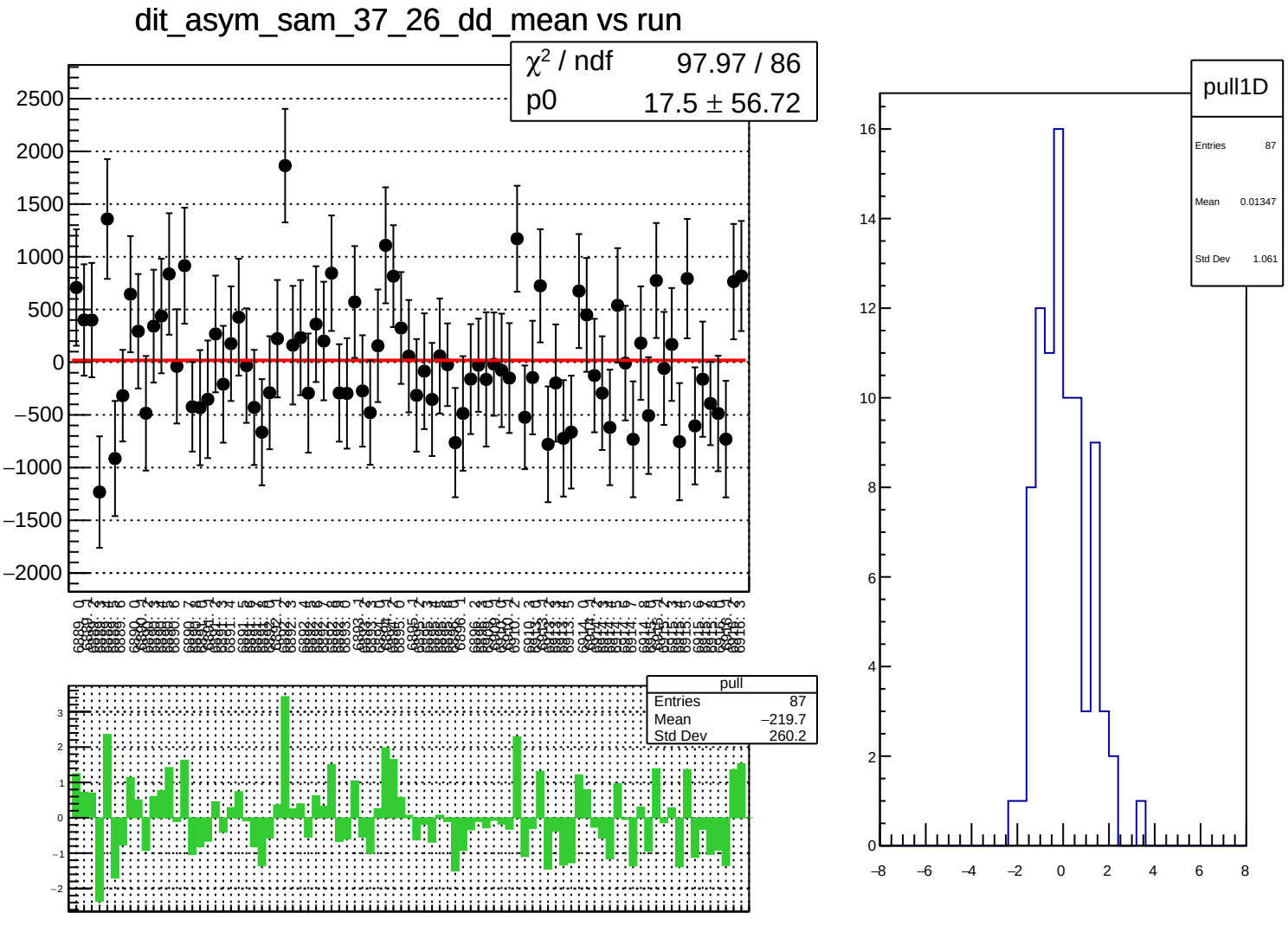
asym_sam_15_26_dd_correction_rms vs run



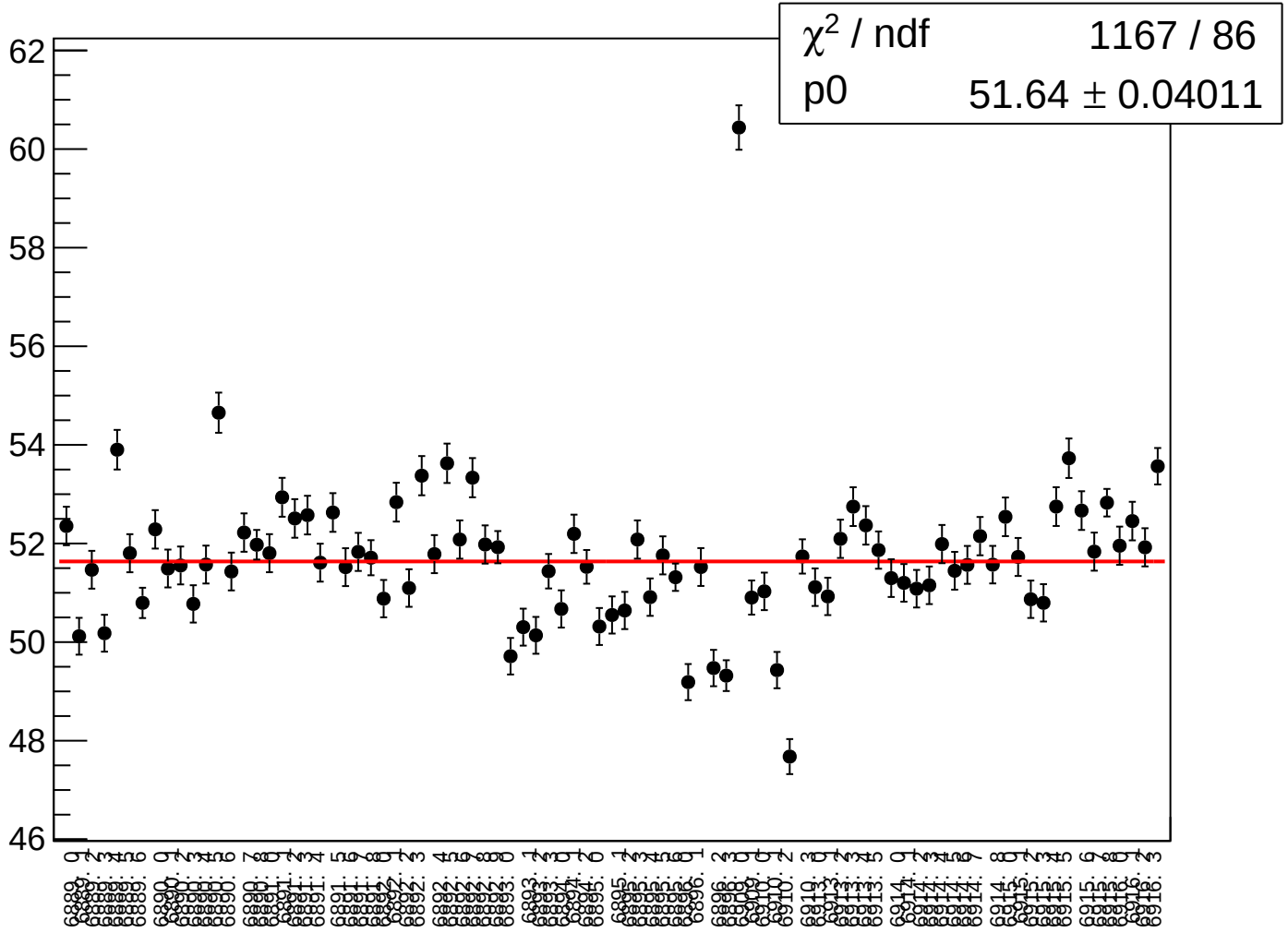

asym_sam_15_26_dd_mean vs run
χ² / ndf 75.07 / 86
p0 1033 ± 495.1
pull
Entries 87
Mean −90.21
Std Dev 161.2
pull1D
Entries 87
Mean 0.01434
Std Dev 0.9288

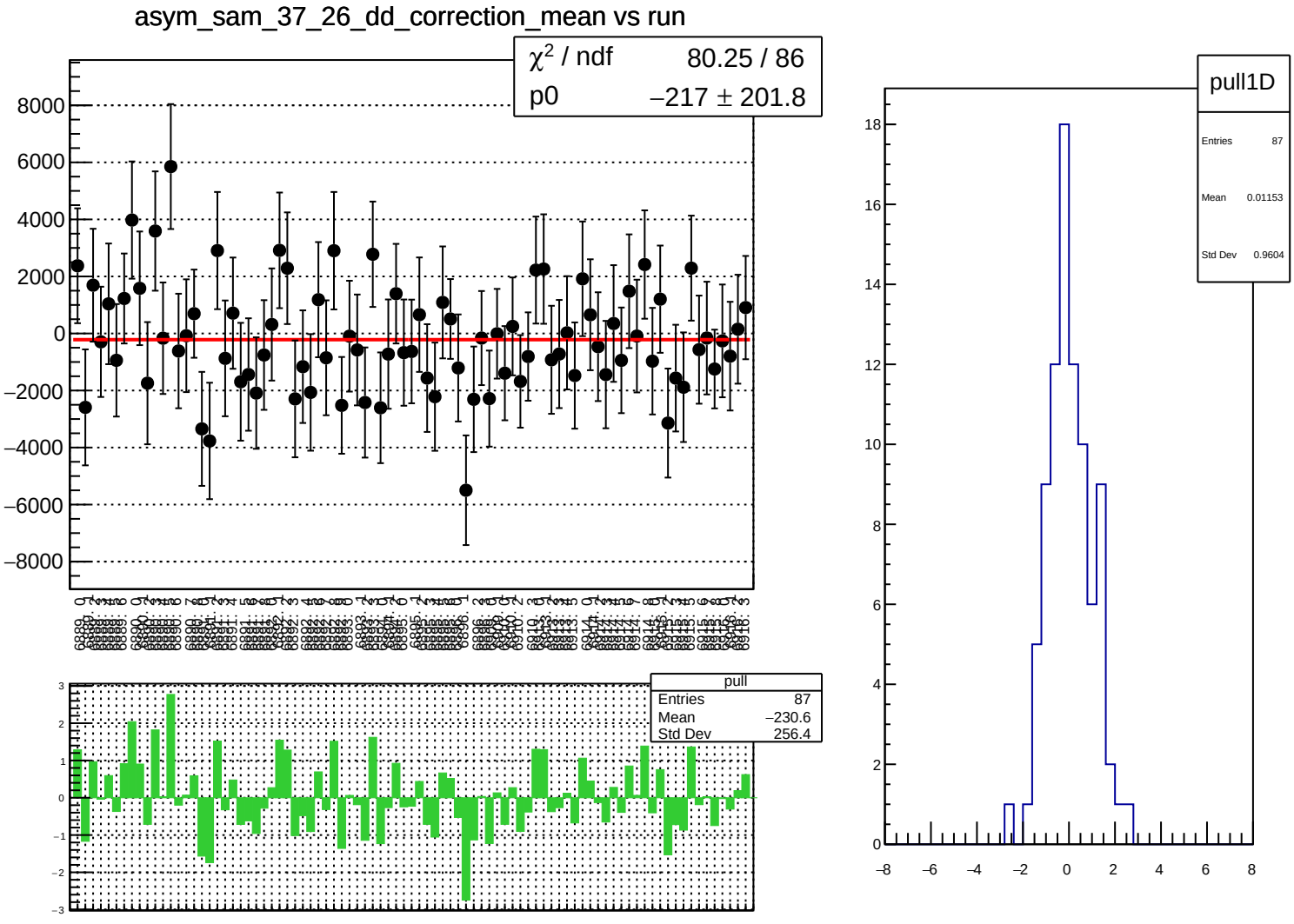
asym_sam_15_26_dd_rms vs run



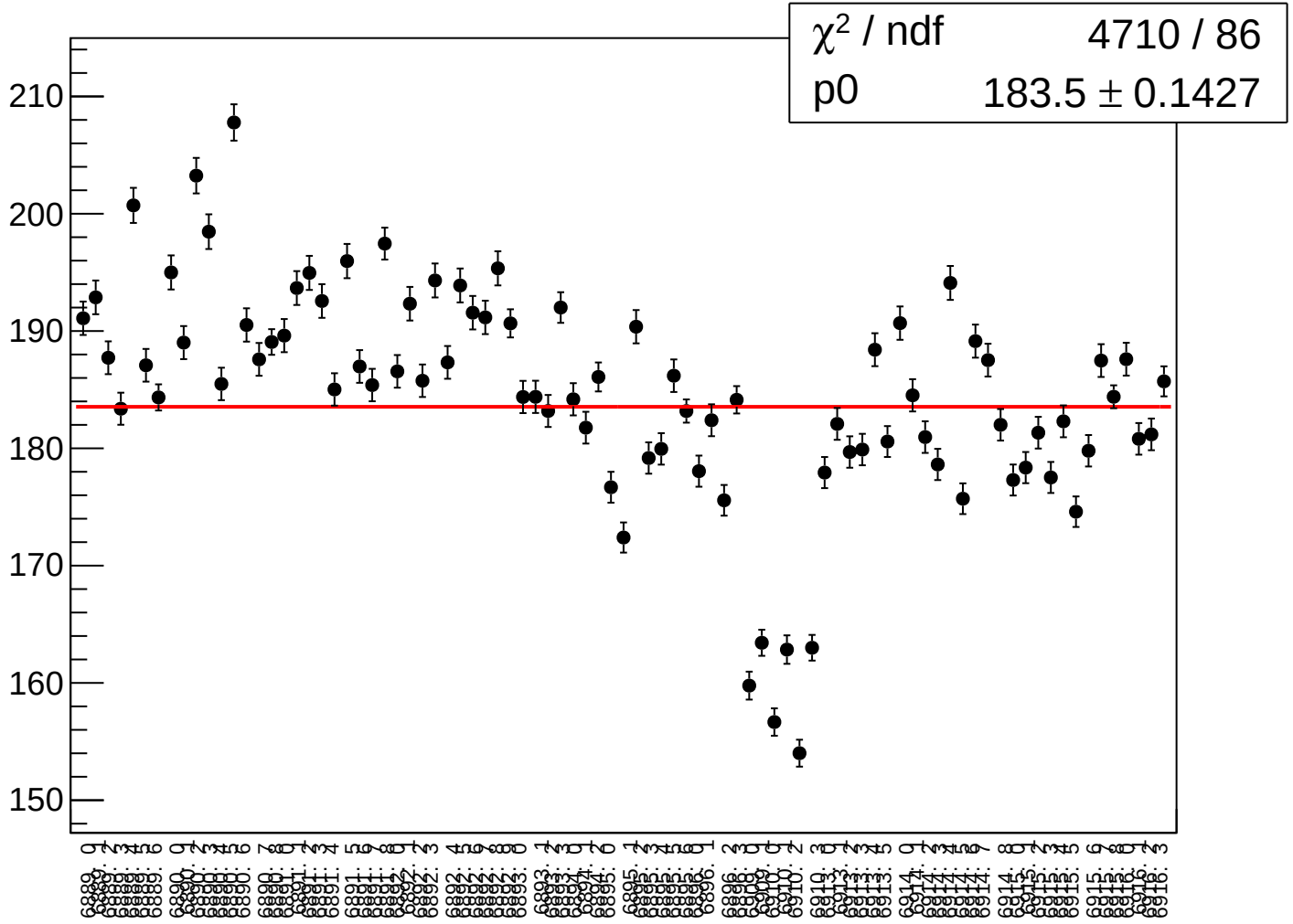

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 97.97 / 86
p0 17.5 ± 56.72
pull
Entries 87
Mean −219.7
Std Dev 260.2
pull1D
Entries 87
Mean 0.01347
Std Dev 1.061

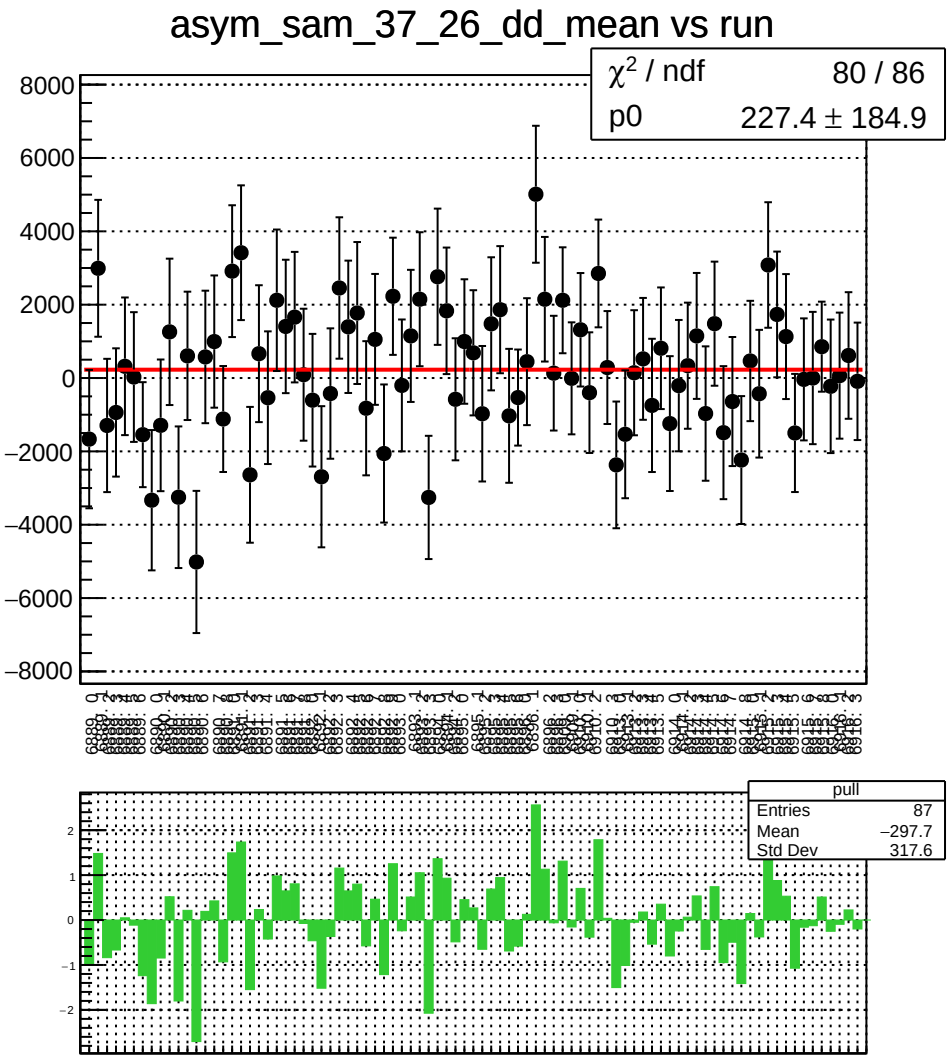
dit_asym_sam_37_26_dd_rms vs run

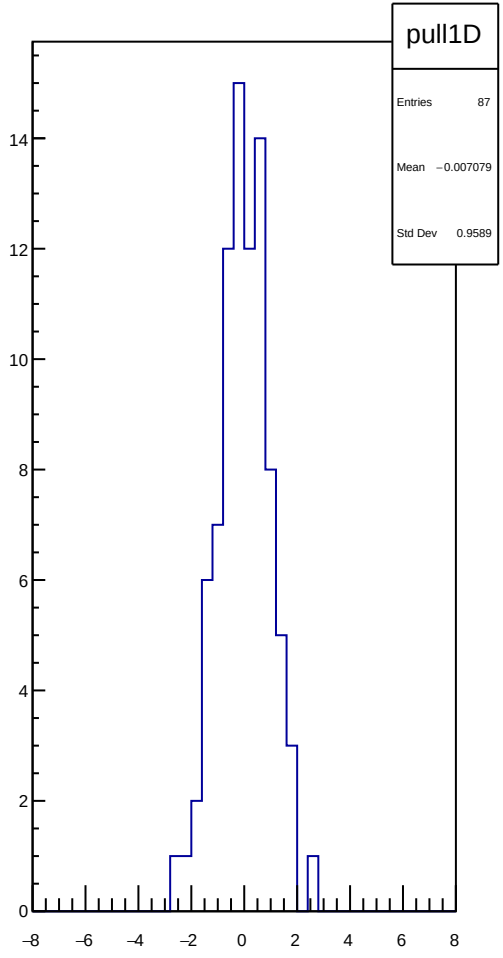



asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 80.25 / 86
p0 −217 ± 201.8
pull
Entries 87
Mean −230.6
Std Dev 256.4
pull1D
Entries 87
Mean 0.01153
Std Dev 0.9604

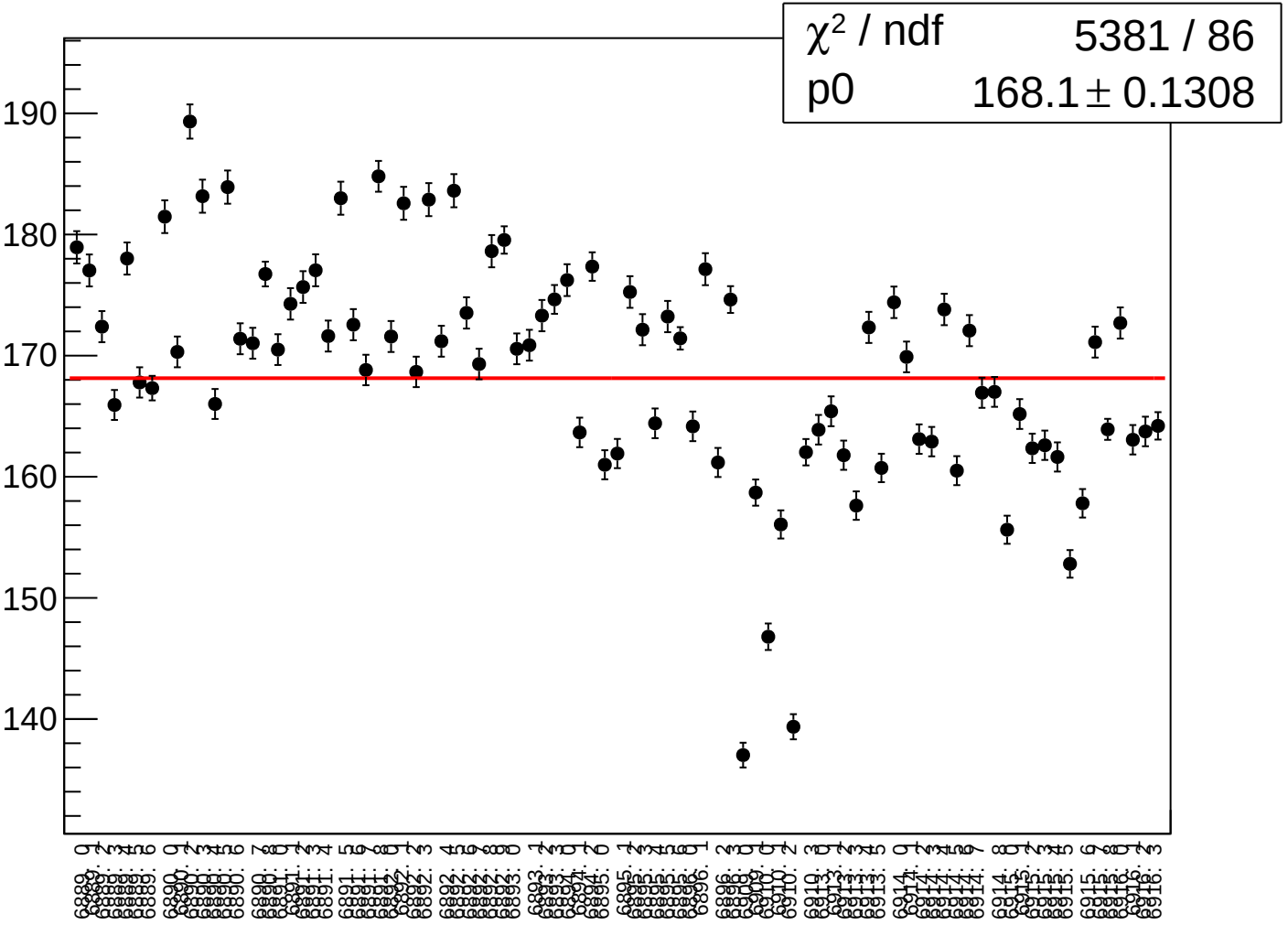
asym_sam_37_26_dd_correction_rms vs run

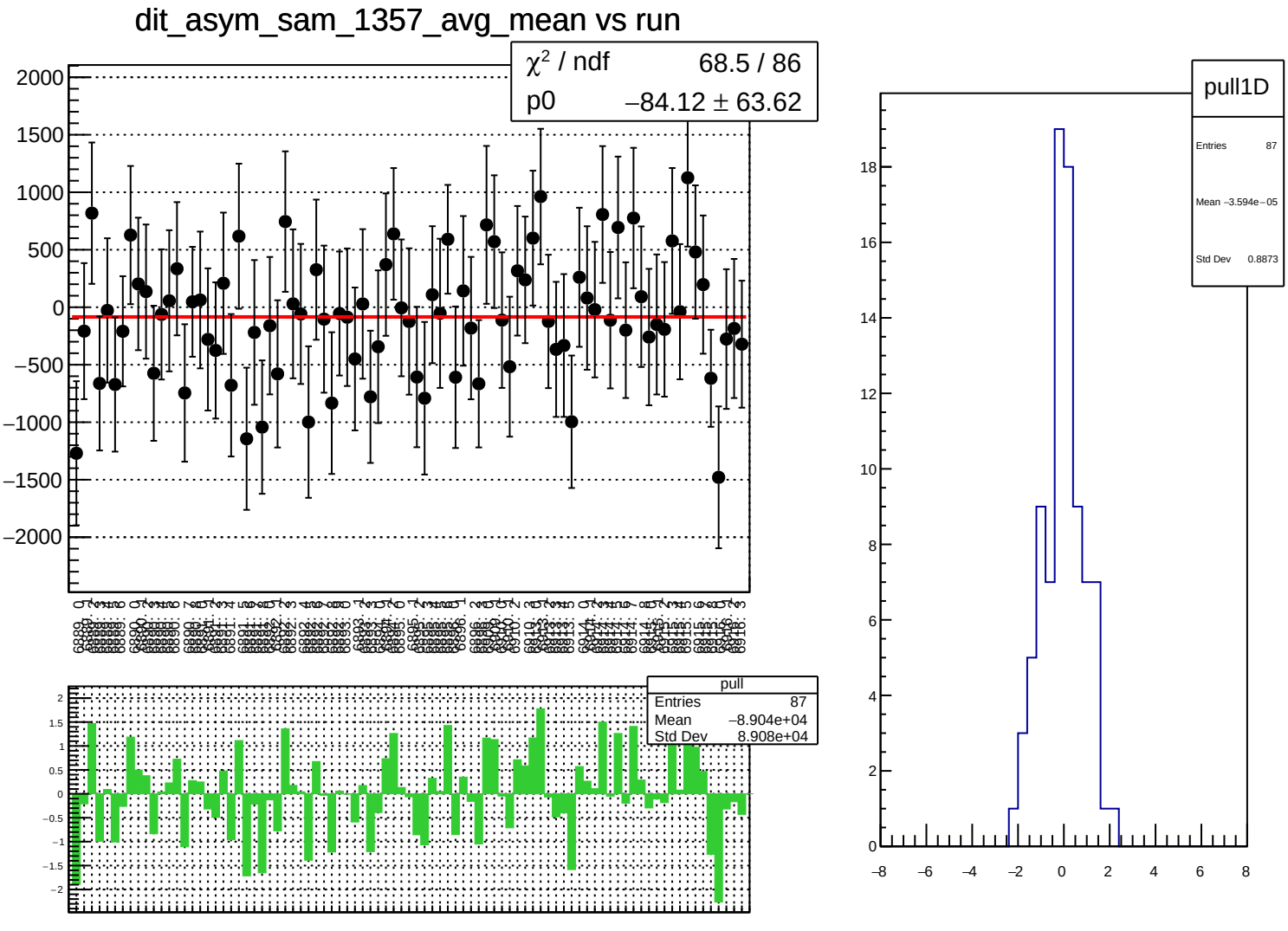



asym_sam_37_26_dd_mean vs run
χ² / ndf 80 / 86
p0 227.4 ± 184.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 87
Mean −297.7
Std Dev 317.6
2
1
0
−1
−2

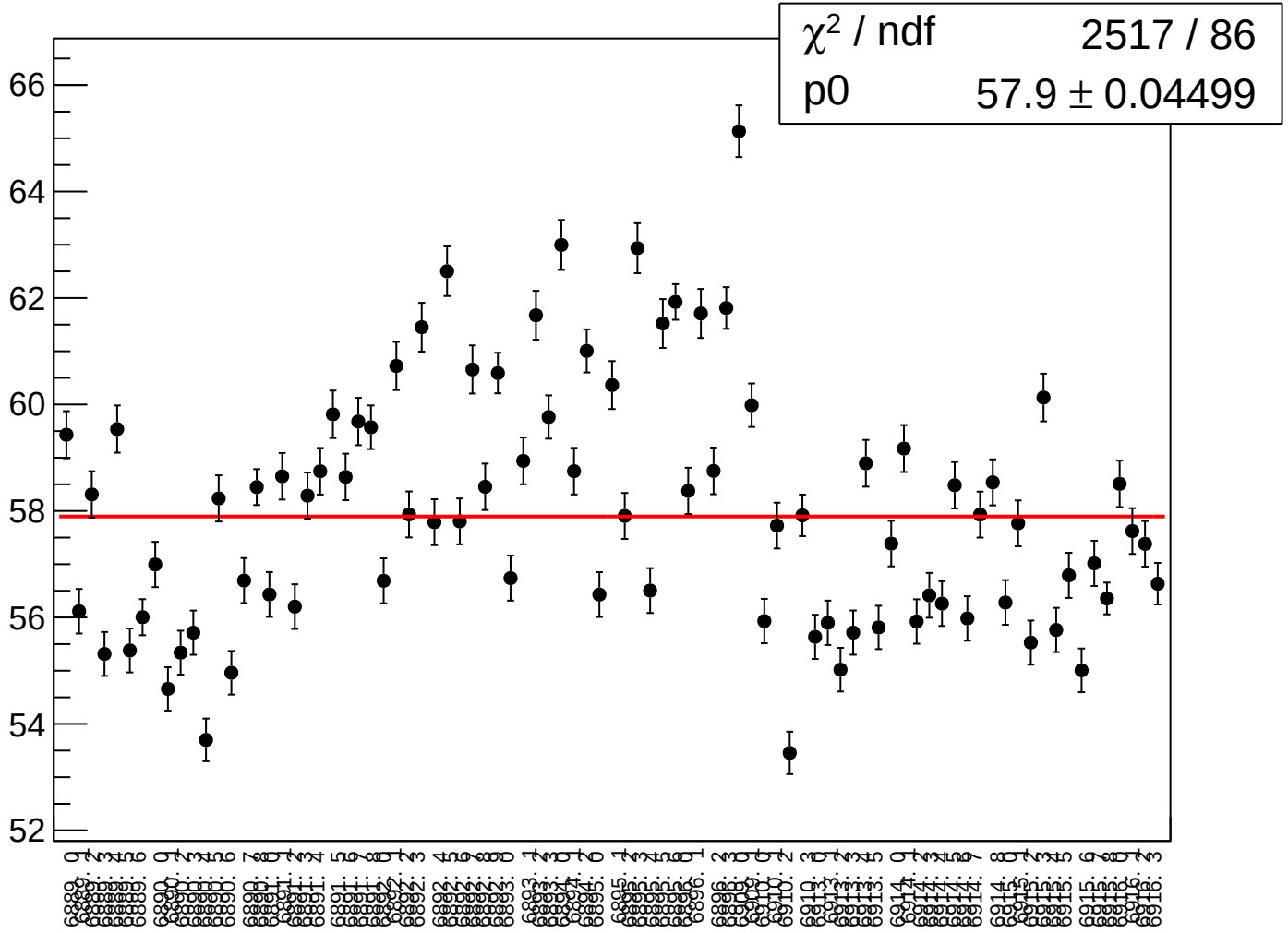

pull1D
Entries 87
Mean −0.007079
Std Dev 0.9589
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

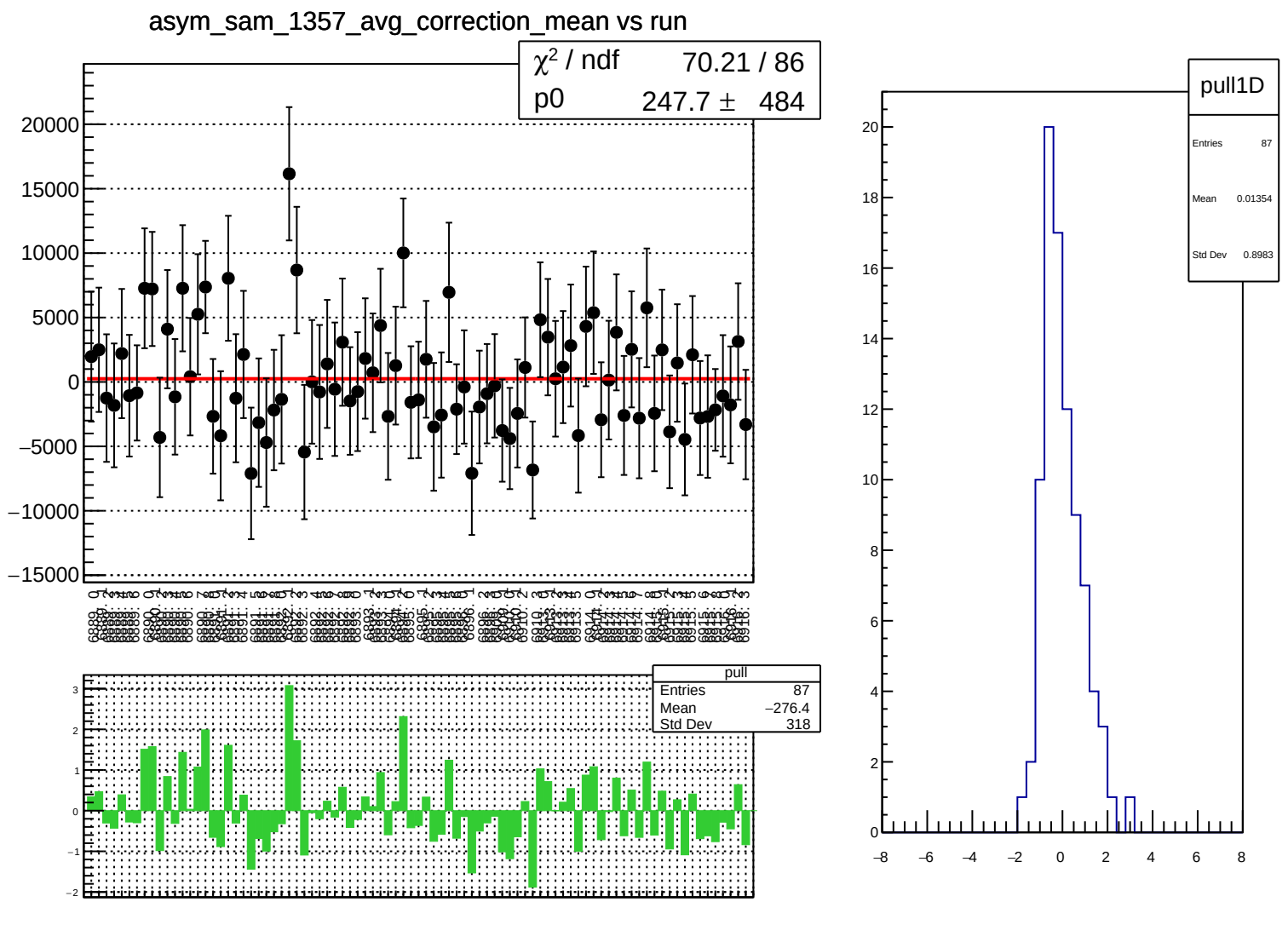
asym_sam_37_26_dd_rms vs run



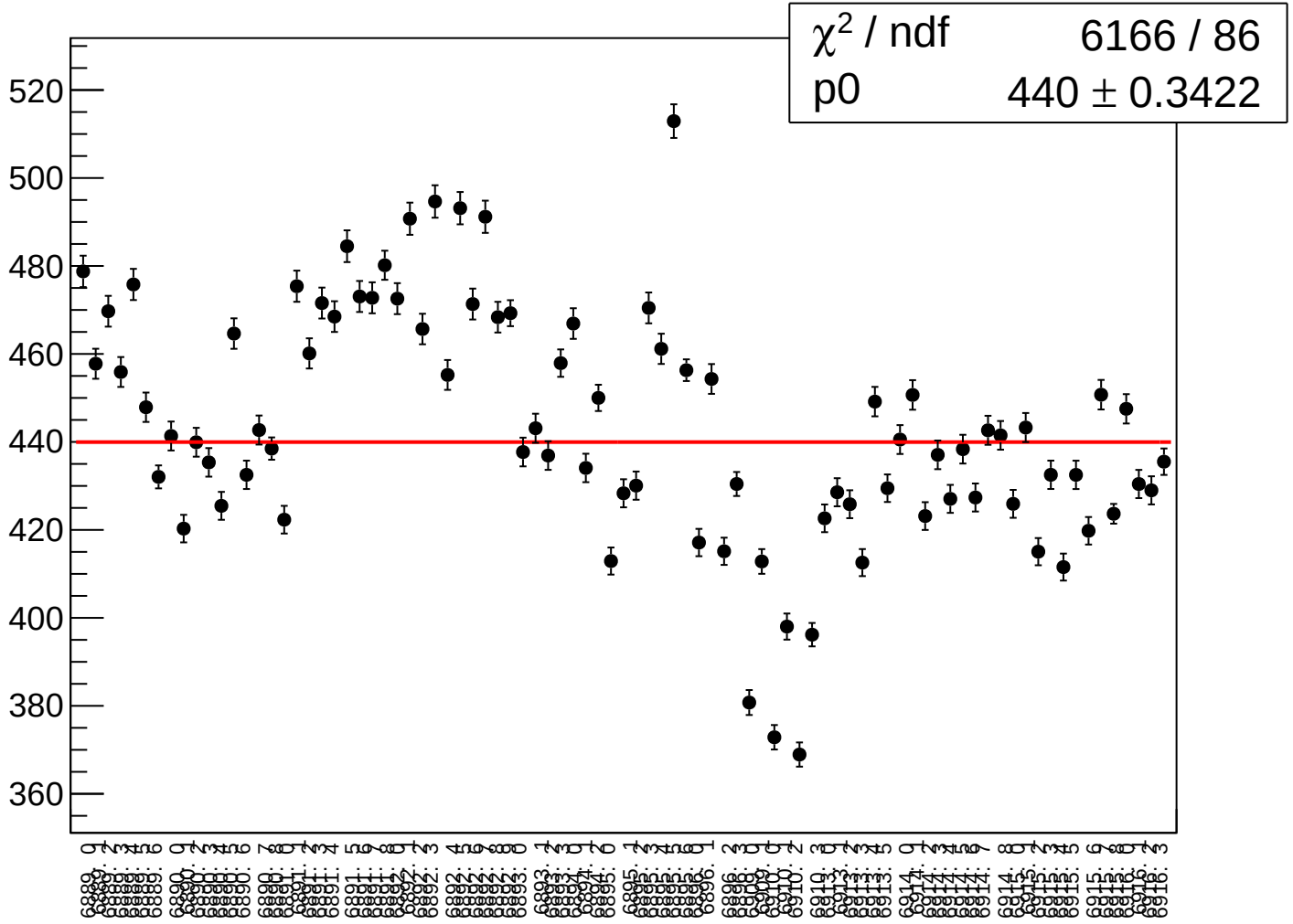

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 68.5 / 86
p0 −84.12 ± 63.62
pull
Entries 87
Mean −8.904e+04
Std Dev 8.908e+04
pull1D
Entries 87
Mean −3.594e−05
Std Dev 0.8873

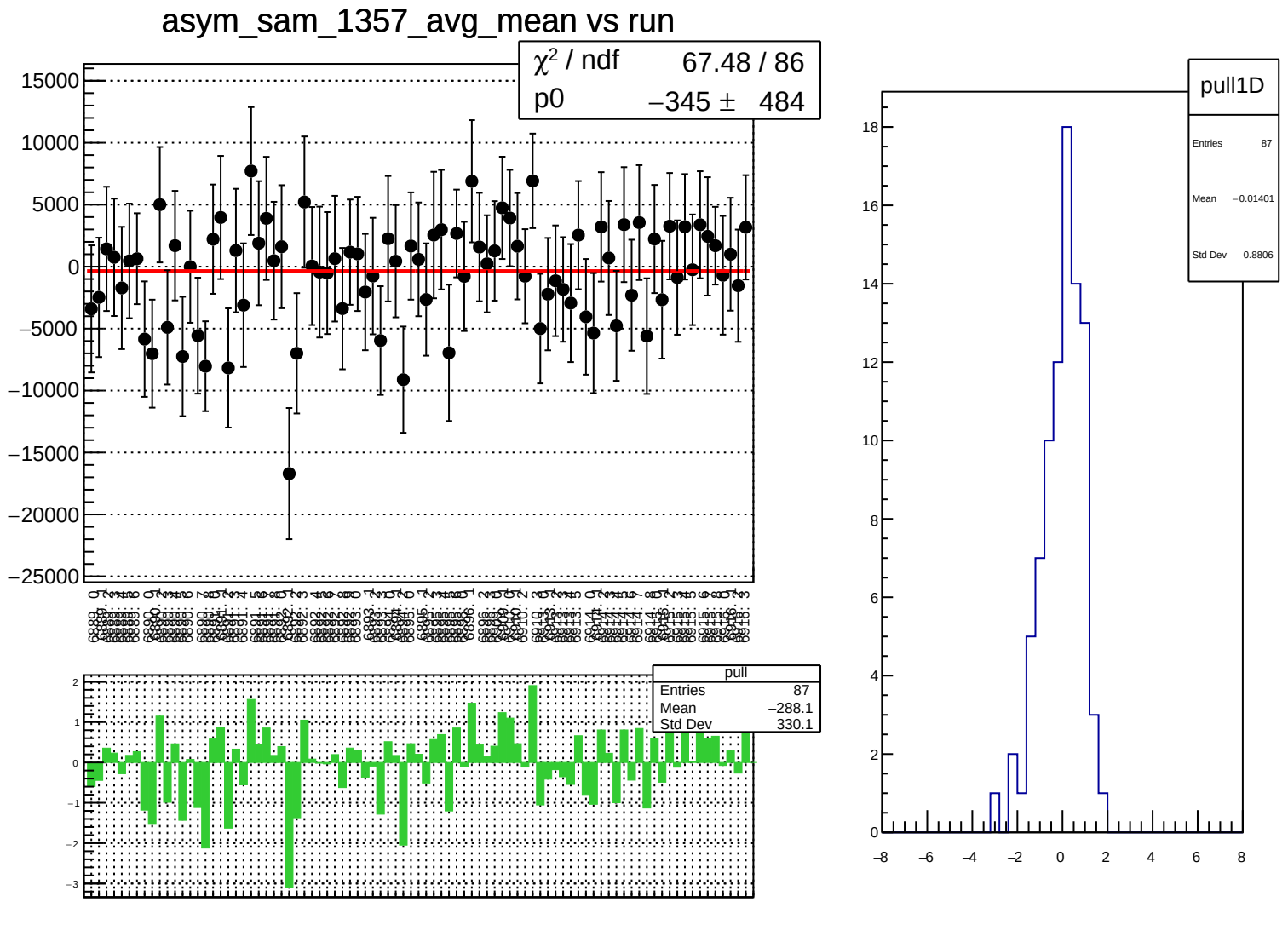
dit_asym_sam_1357_avg_rms vs run

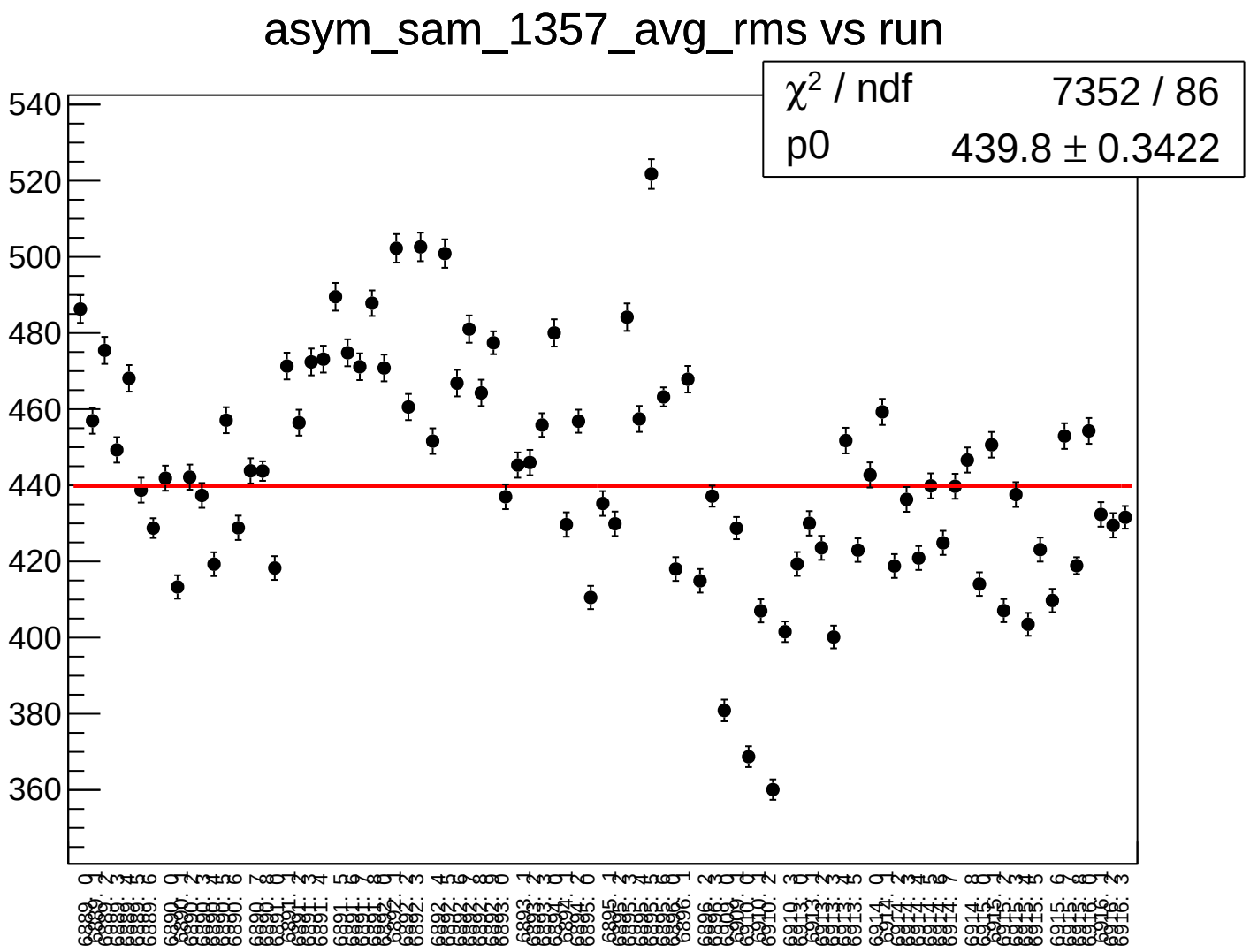


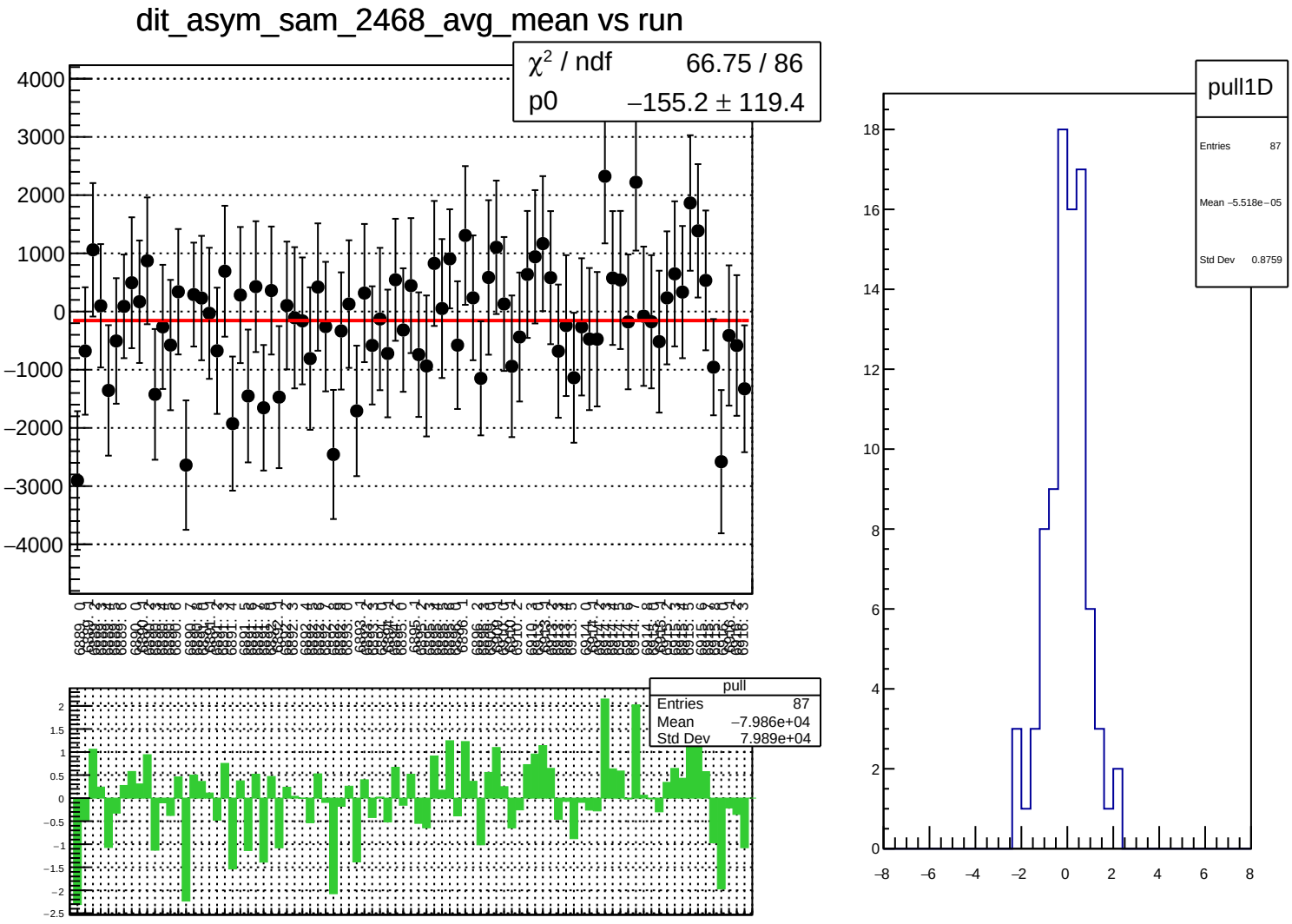

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 70.21 / 86
p0 247.7 ± 484
pull
Entries 87
Mean −276.4
Std Dev 318
pull1D
Entries 87
Mean 0.01354
Std Dev 0.8983

asym_sam_1357_avg_correction_rms vs run

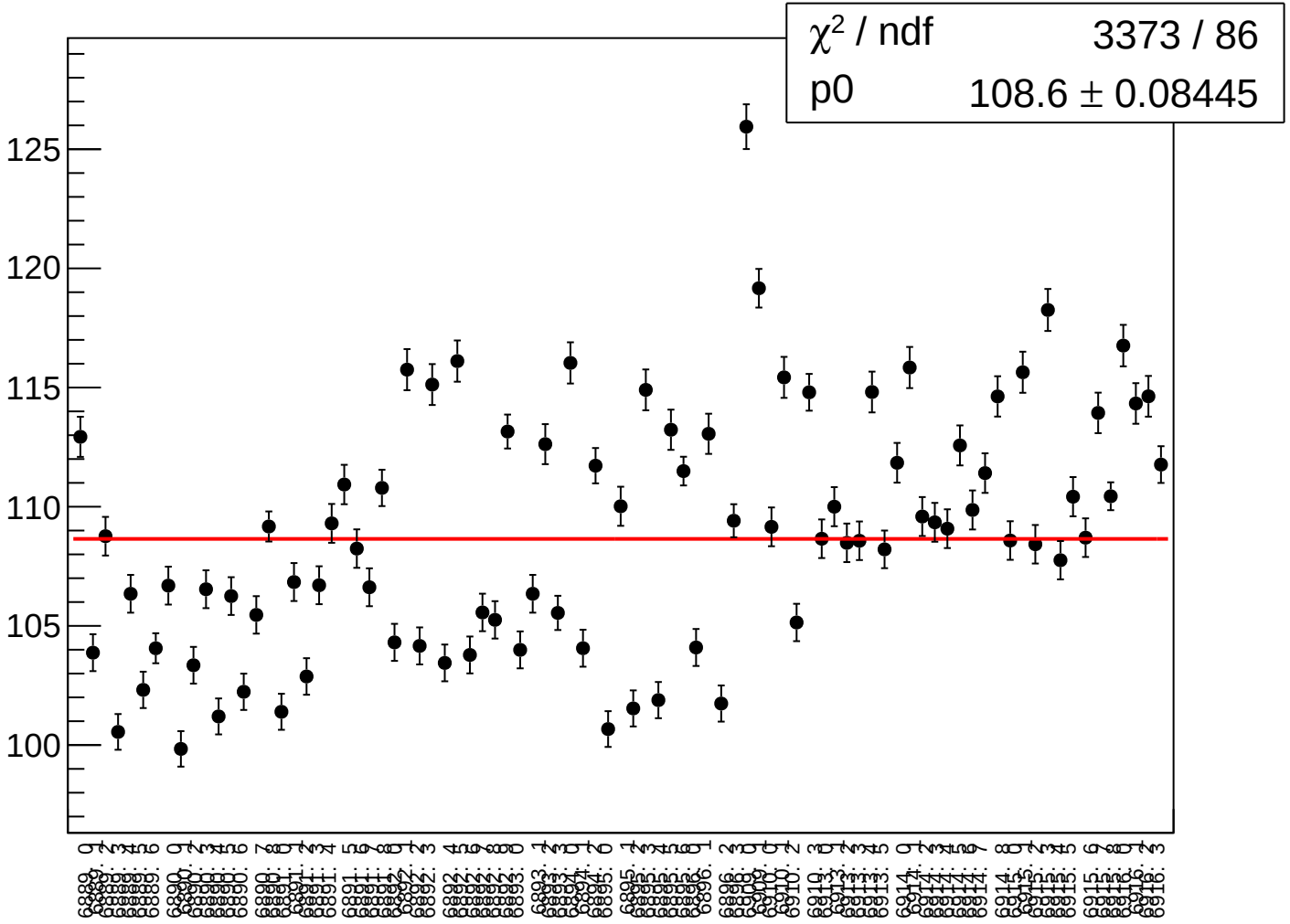


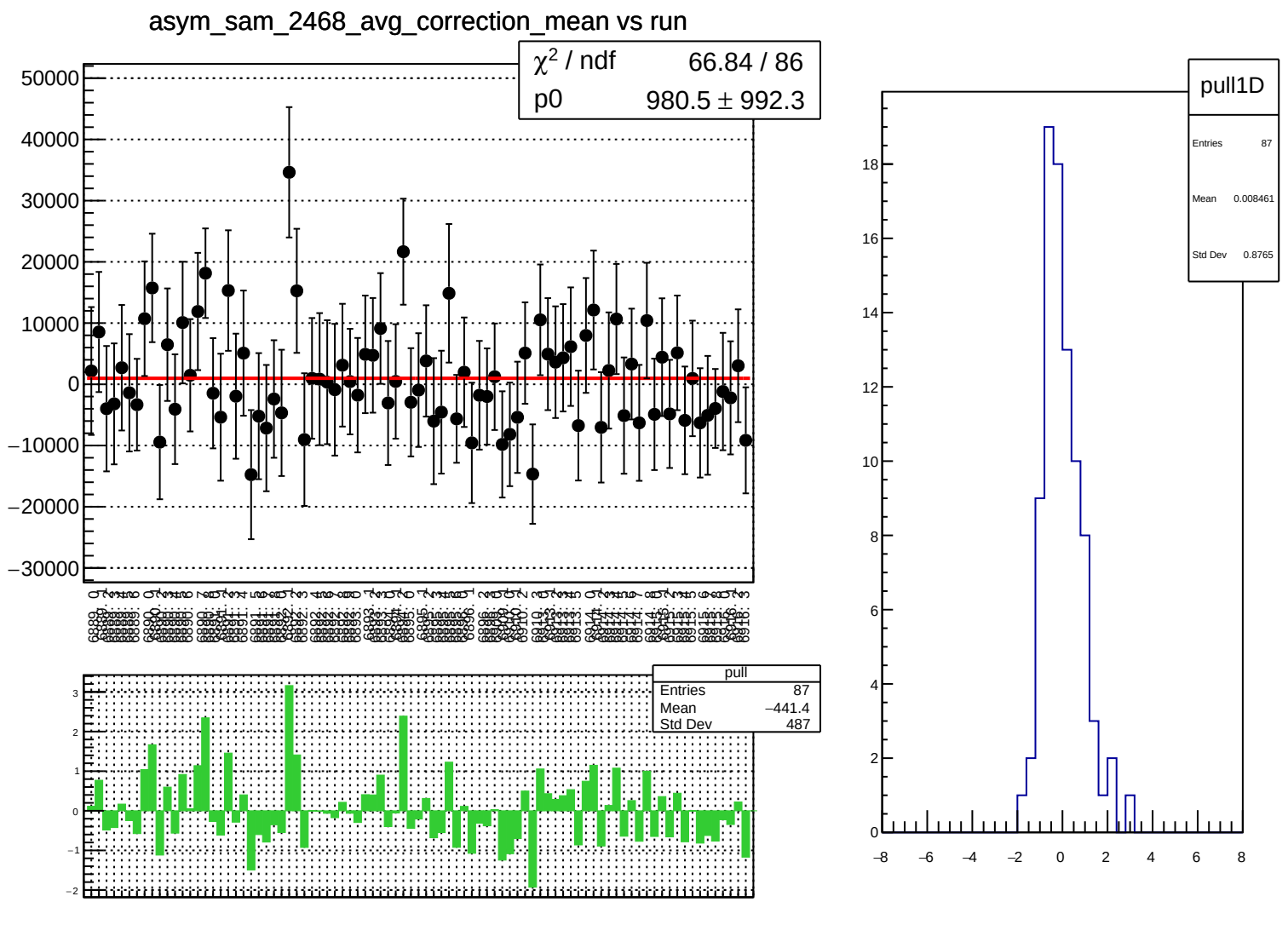

asym_sam_1357_avg_mean vs run
χ² / ndf 67.48 / 86
p0 −345 ± 484
pull
Entries 87
Mean −288.1
Std Dev 330.1
pull1D
Entries 87
Mean −0.01401
Std Dev 0.8806


asym_sam_1357_avg_rms vs run
χ^2 / ndf 7352 / 86
p0 439.8 ± 0.3422
540
520
500
480
460
440
420
400
380
360

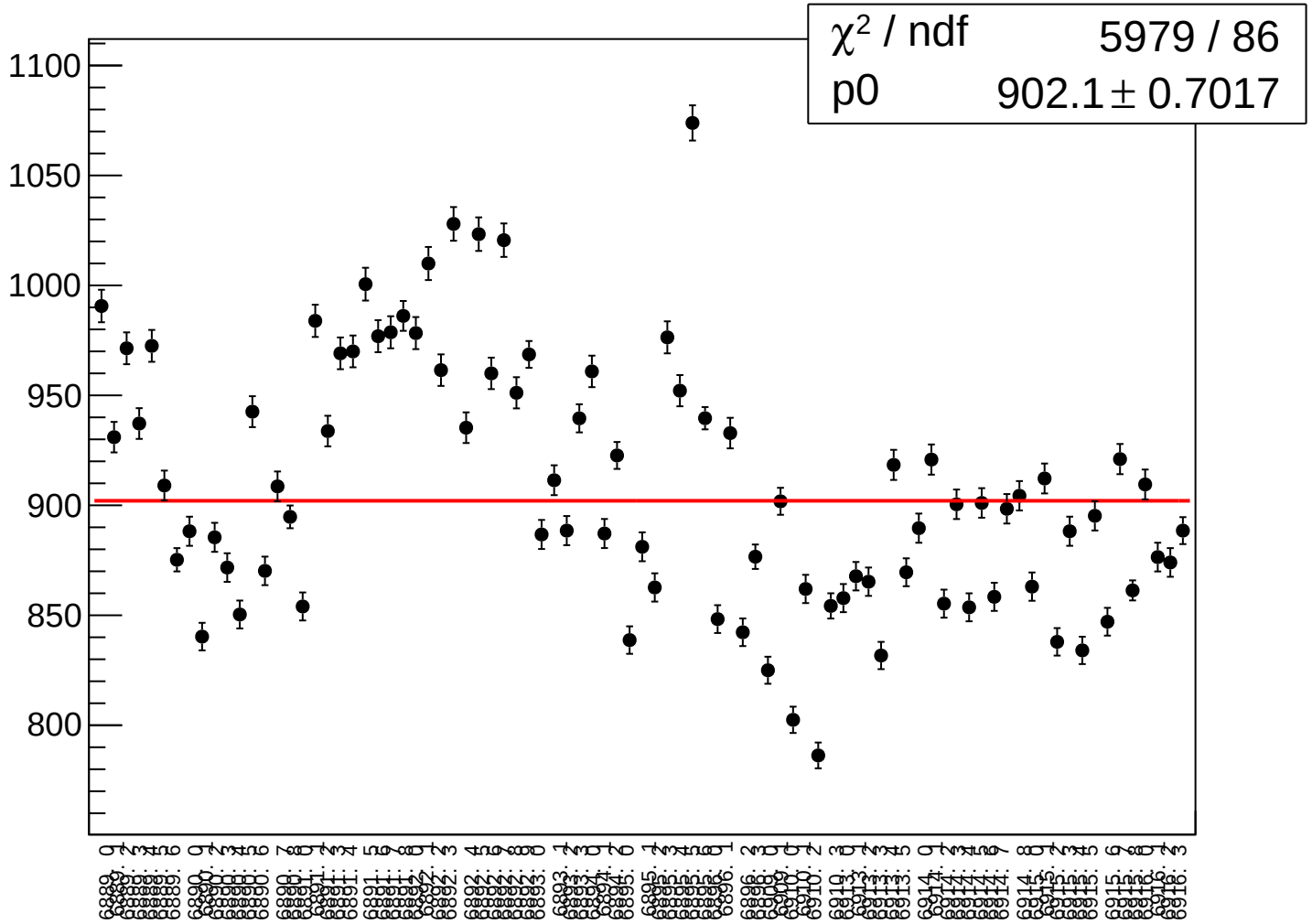

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 66.75 / 86
p0 −155.2 ± 119.4
pull
Entries 87
Mean −7.986e+04
Std Dev 7.989e+04
pull1D
Entries 87
Mean −5.518e−05
Std Dev 0.8759

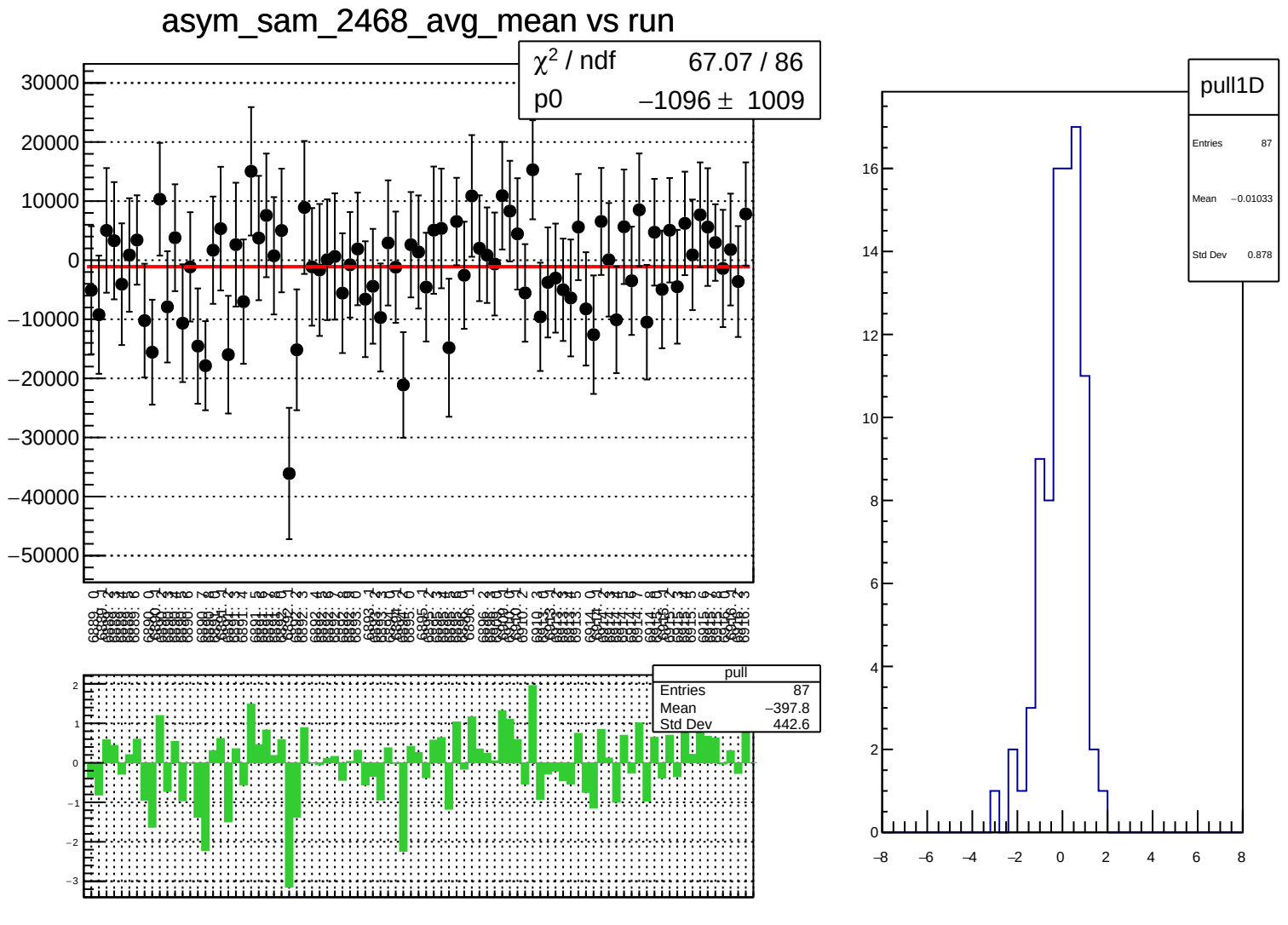
dit_asym_sam_2468_avg_rms vs run



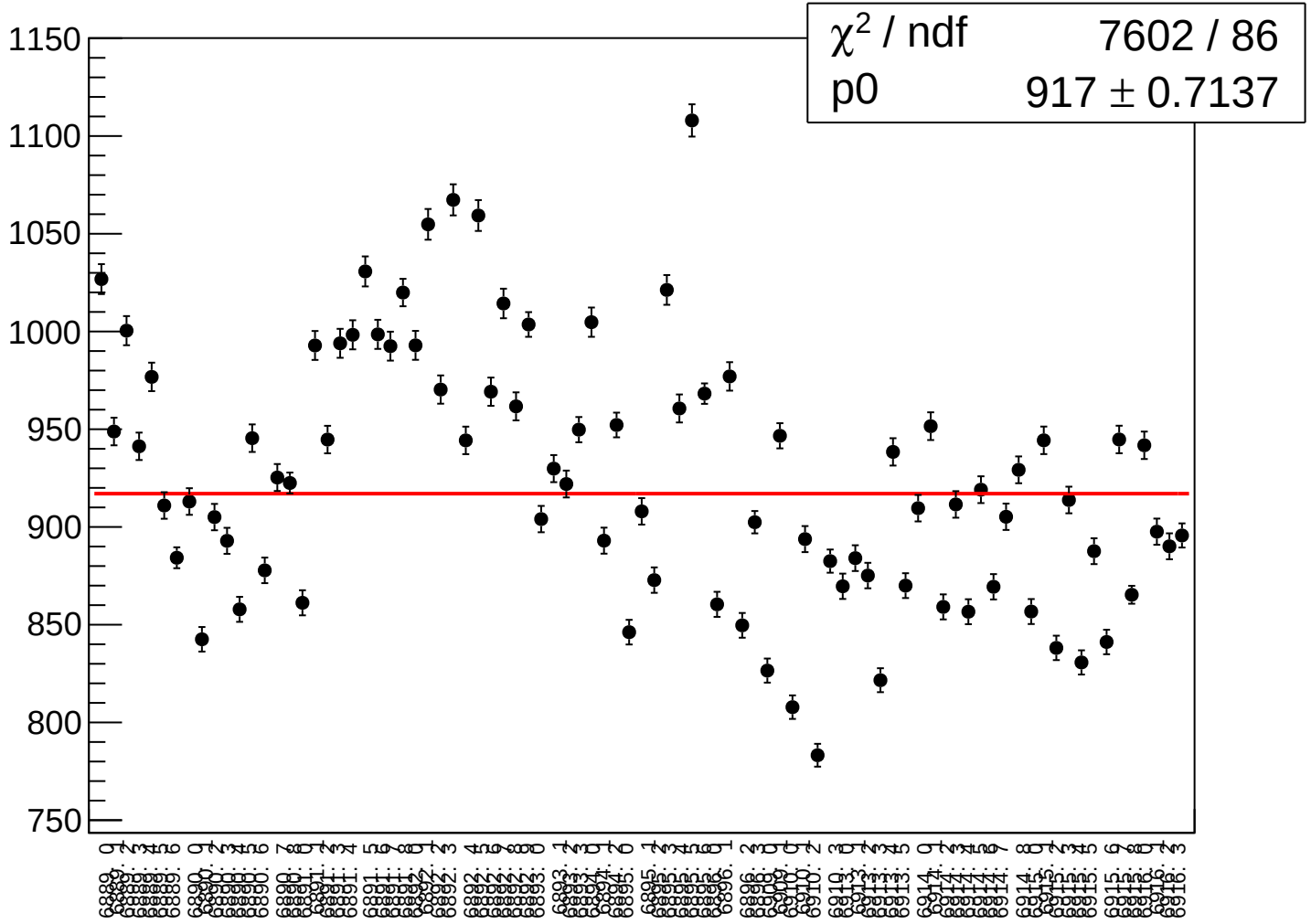

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 66.84 / 86
p0 980.5 ± 992.3
pull
Entries 87
Mean −441.4
Std Dev 487
pull1D
Entries 87
Mean 0.008461
Std Dev 0.8765

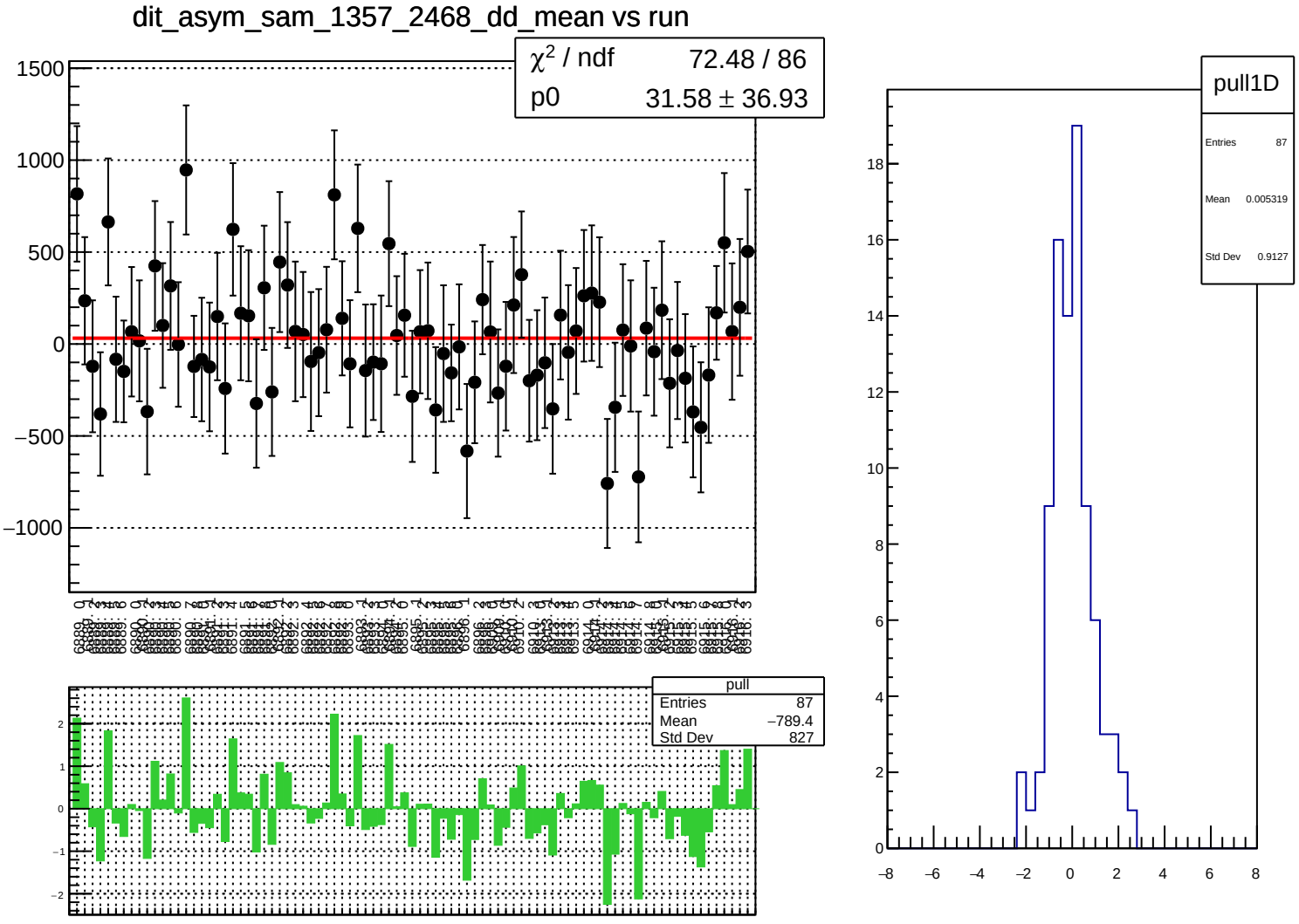
asym_sam_2468_avg_correction_rms vs run



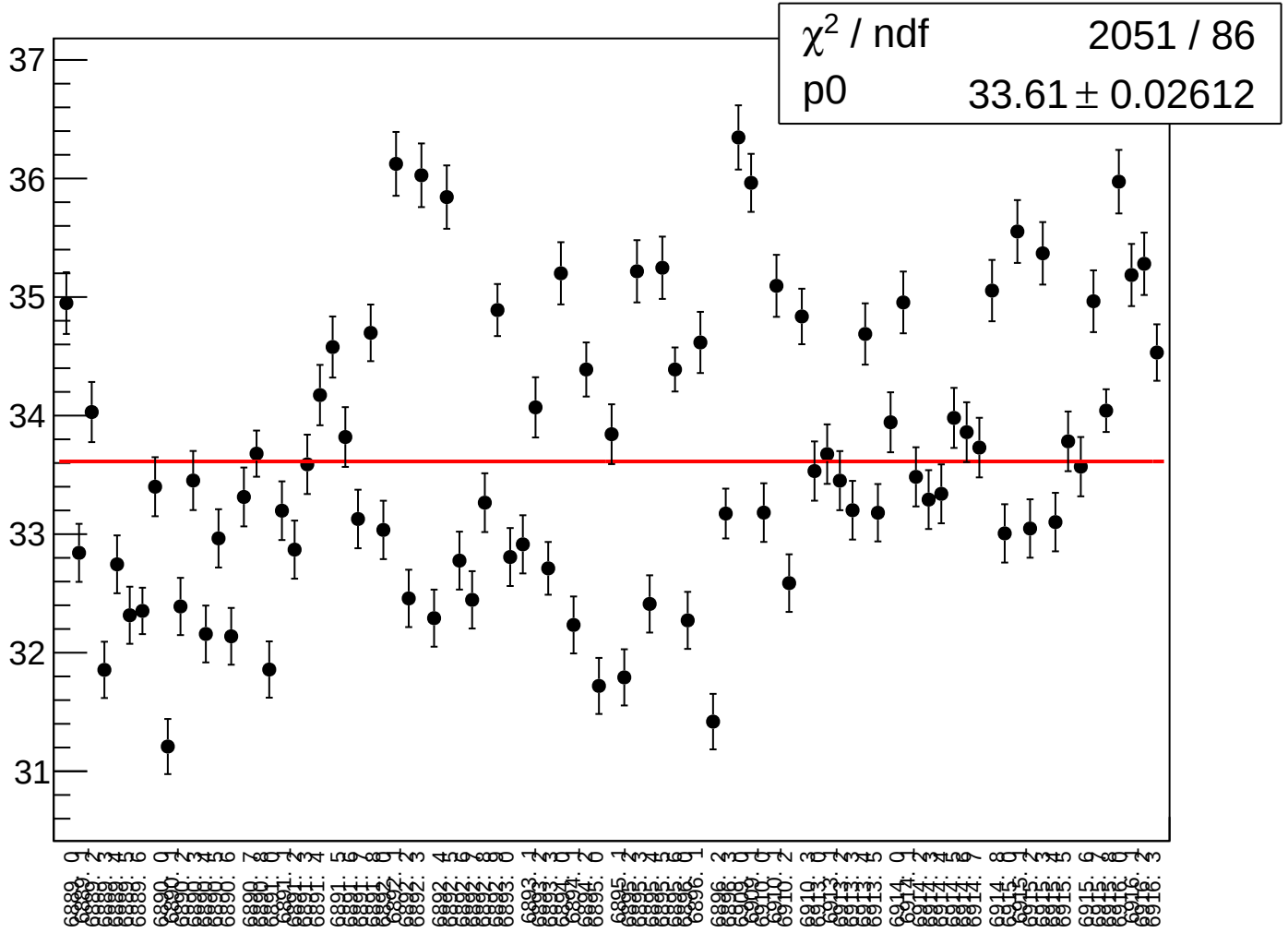

asym_sam_2468_avg_mean vs run
χ² / ndf 67.07 / 86
p0 −1096 ± 1009
pull
Entries 87
Mean −397.8
Std Dev 442.6
pull1D
Entries 87
Mean −0.01033
Std Dev 0.878

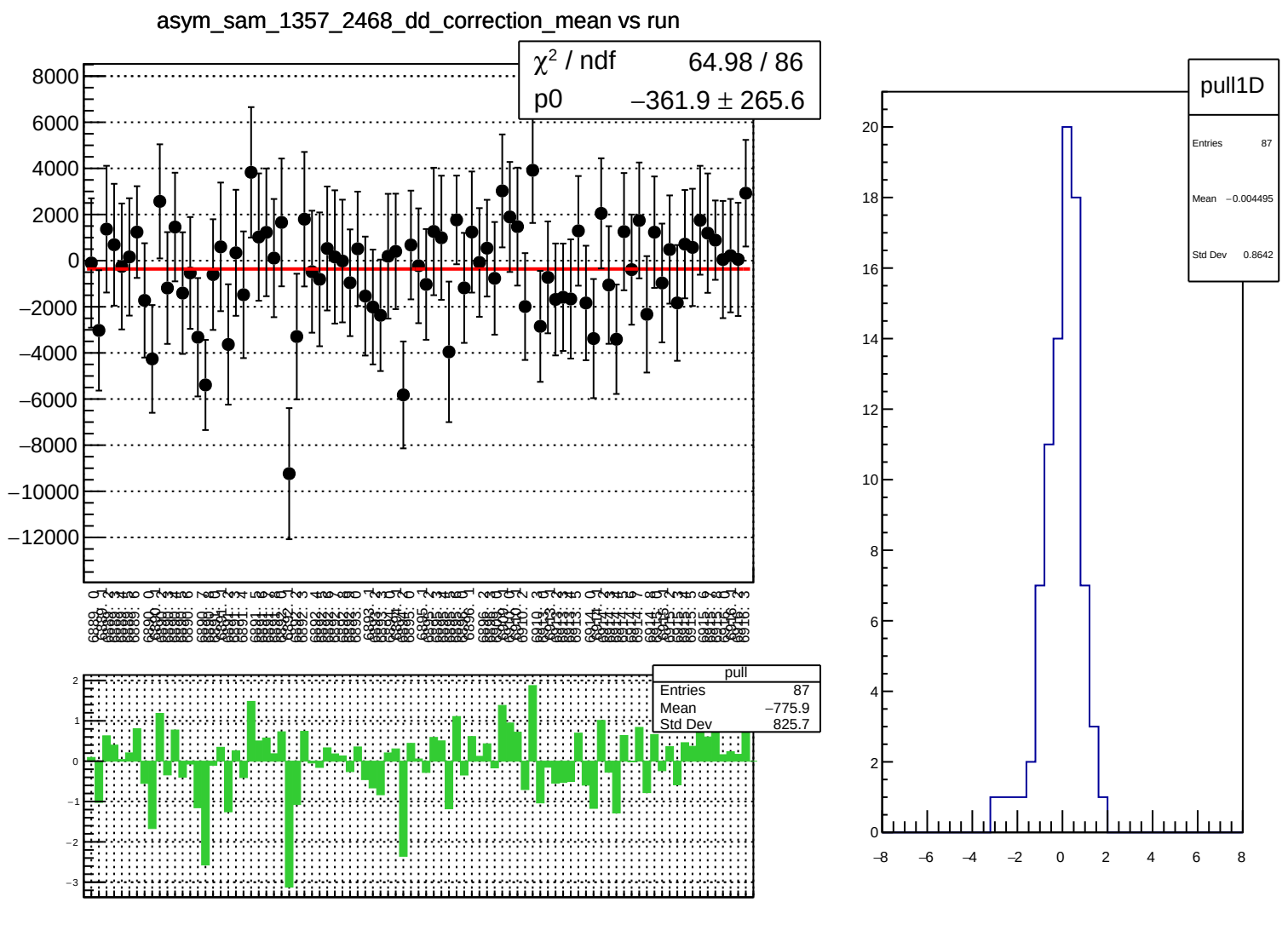
asym_sam_2468_avg_rms vs run



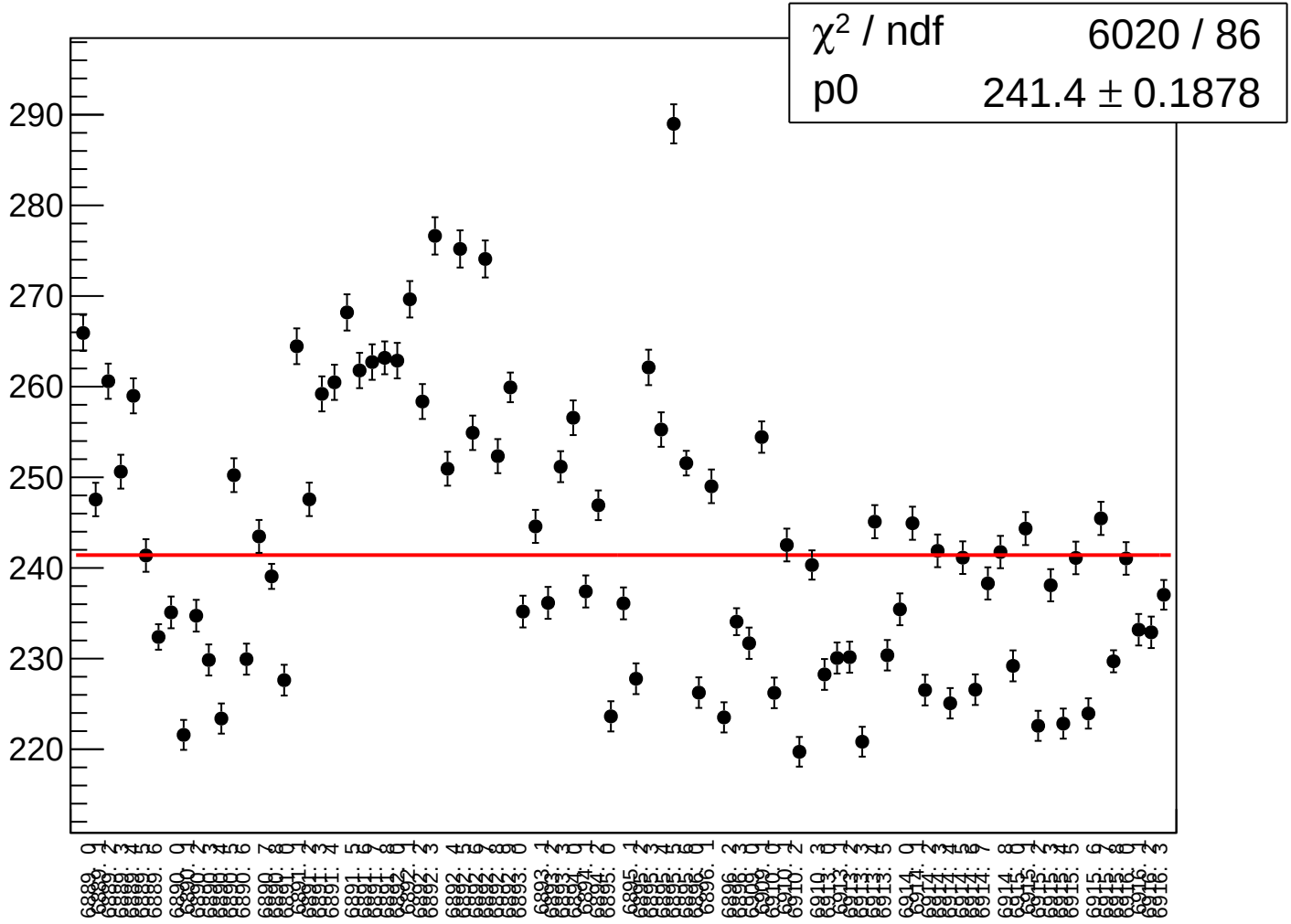

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 72.48 / 86
p0 31.58 ± 36.93
1500
1000
500
0
−500
−1000
pull
Entries 87
Mean −789.4
Std Dev 827
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.005319
Std Dev 0.9127
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

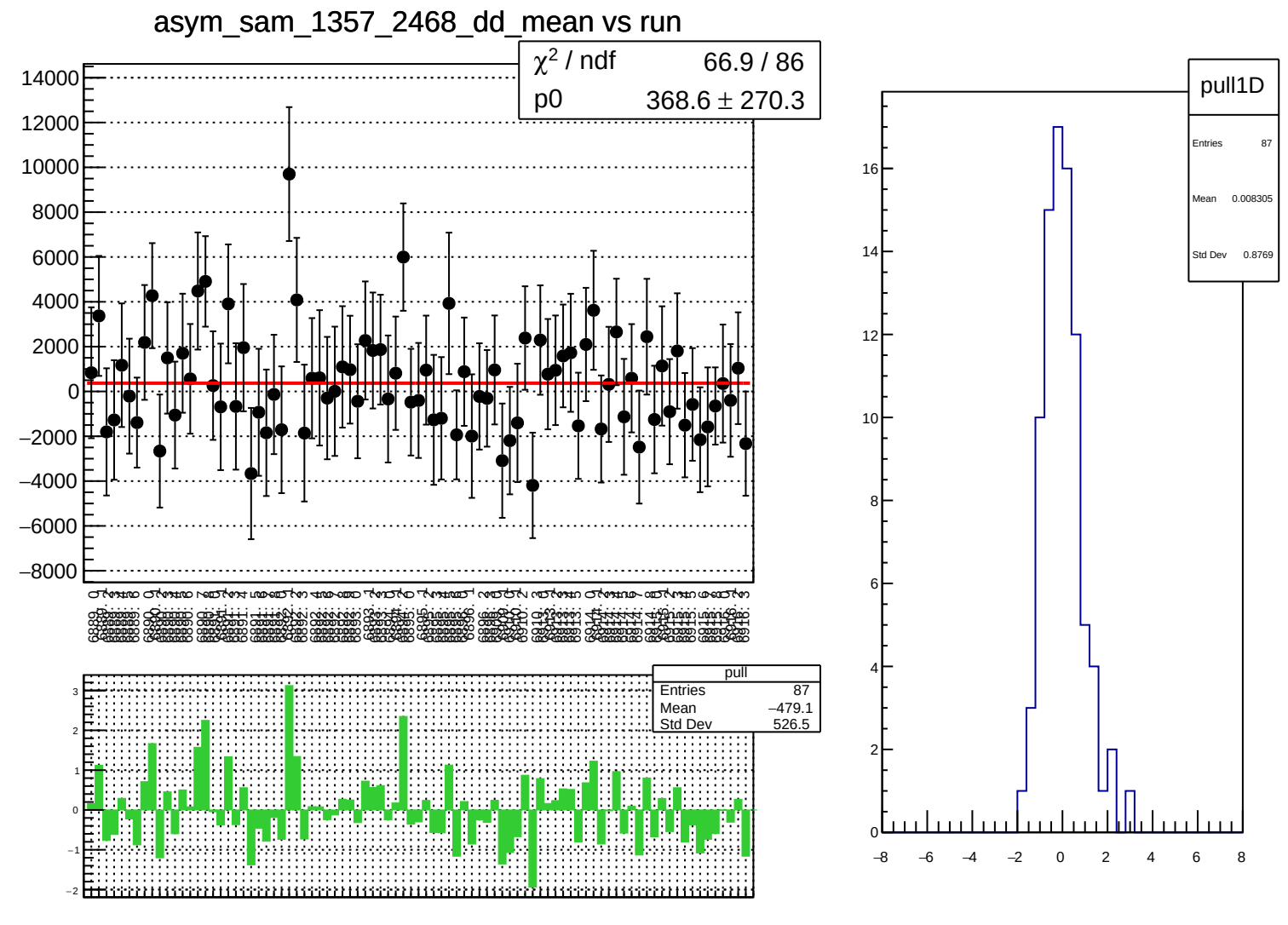
dit_asym_sam_1357_2468_dd_rms vs run



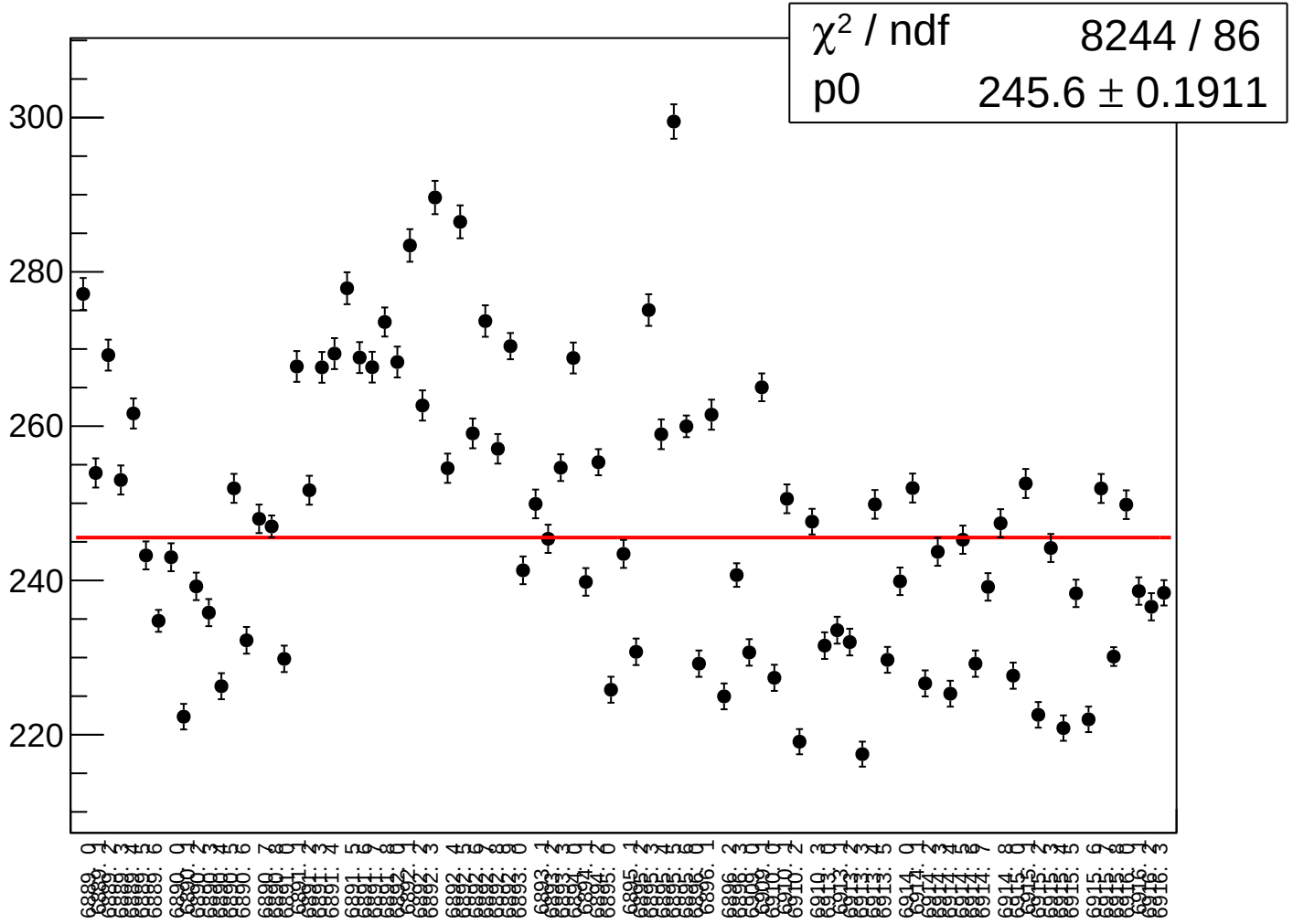

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 64.98 / 86
p0 −361.9 ± 265.6
pull
Entries 87
Mean −775.9
Std Dev 825.7
pull1D
Entries 87
Mean −0.004495
Std Dev 0.8642

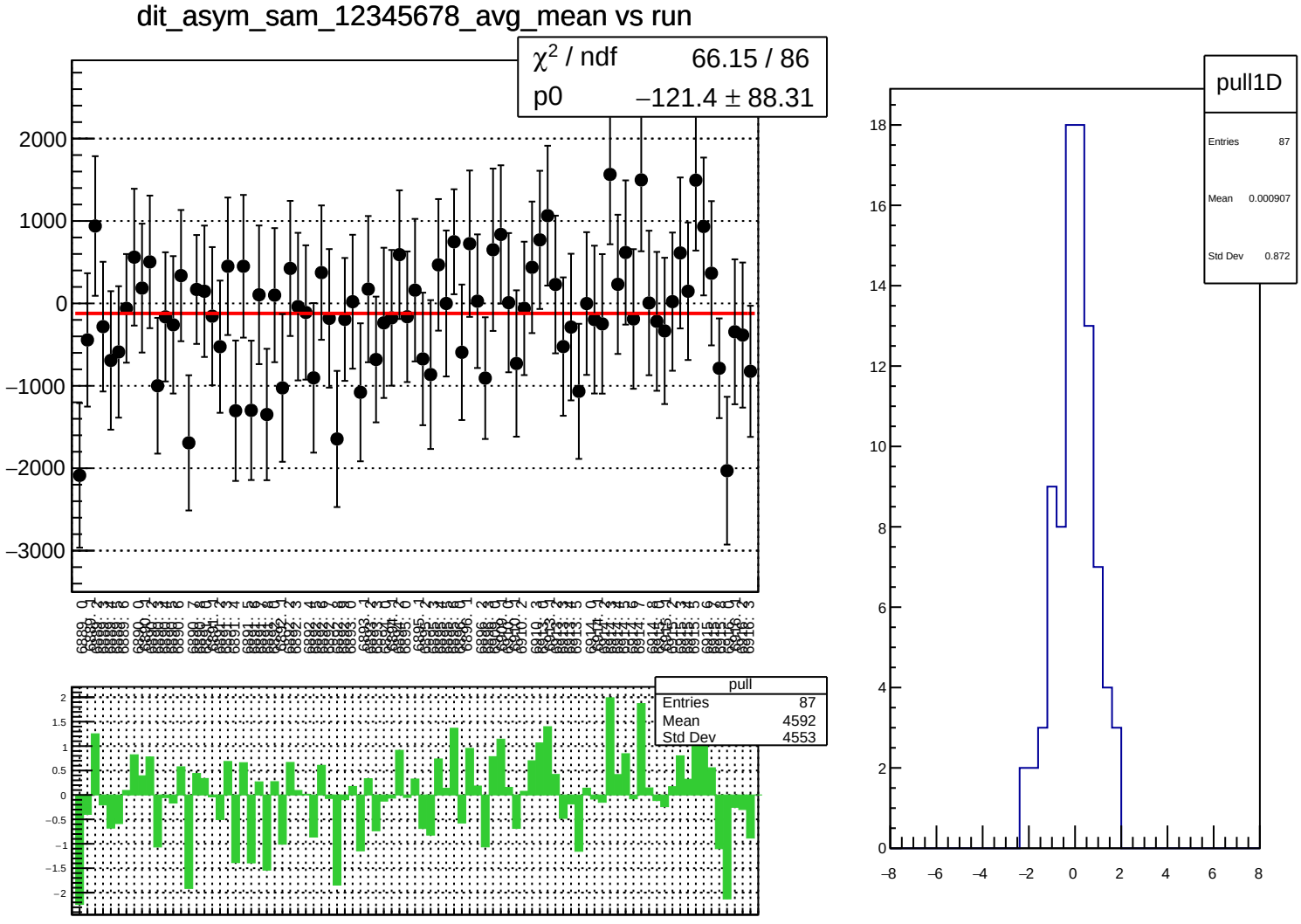
asym_sam_1357_2468_dd_correction_rms vs run



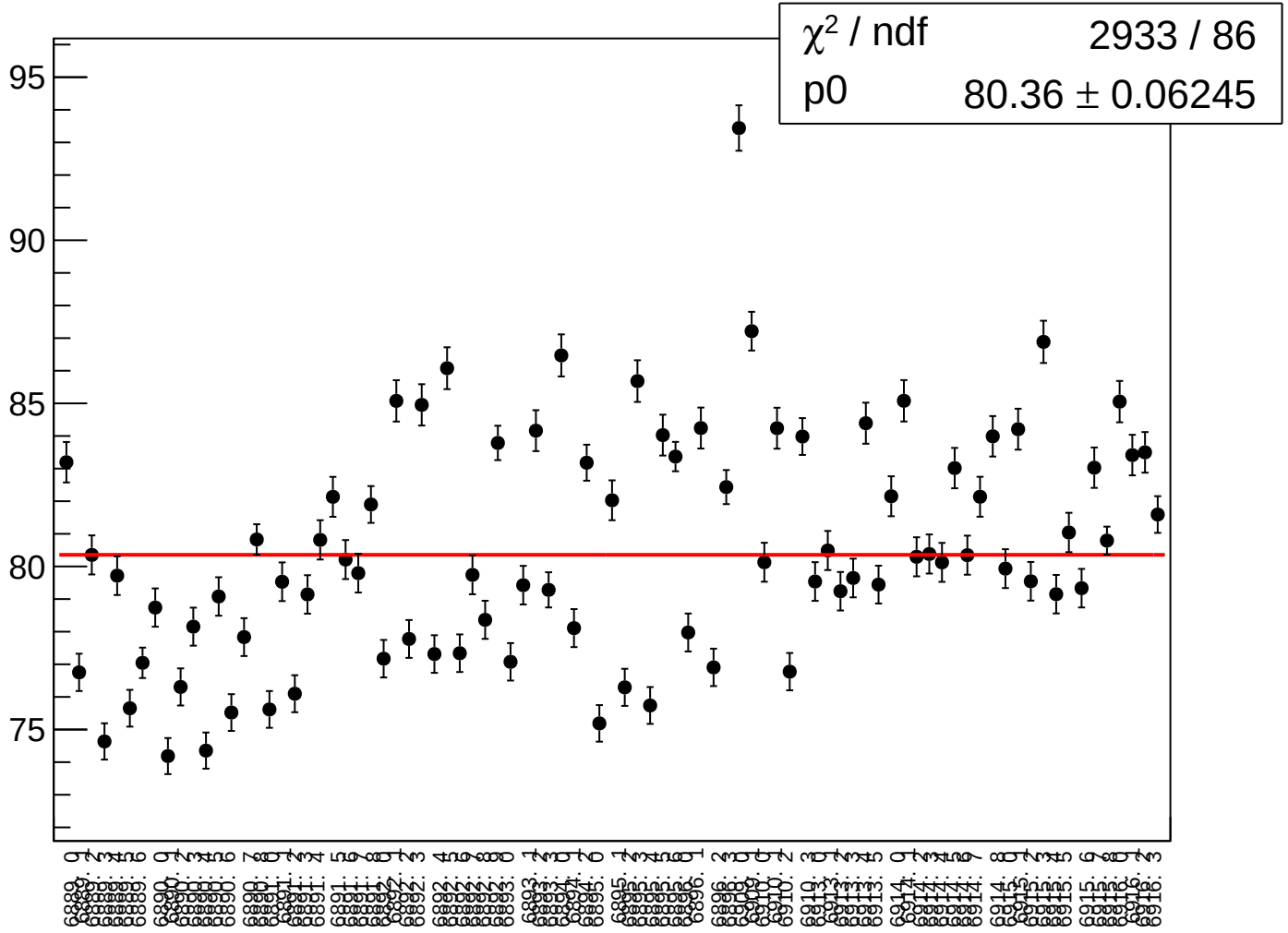

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 66.9 / 86
p0 368.6 ± 270.3
pull
Entries 87
Mean −479.1
Std Dev 526.5
pull1D
Entries 87
Mean 0.008305
Std Dev 0.8769

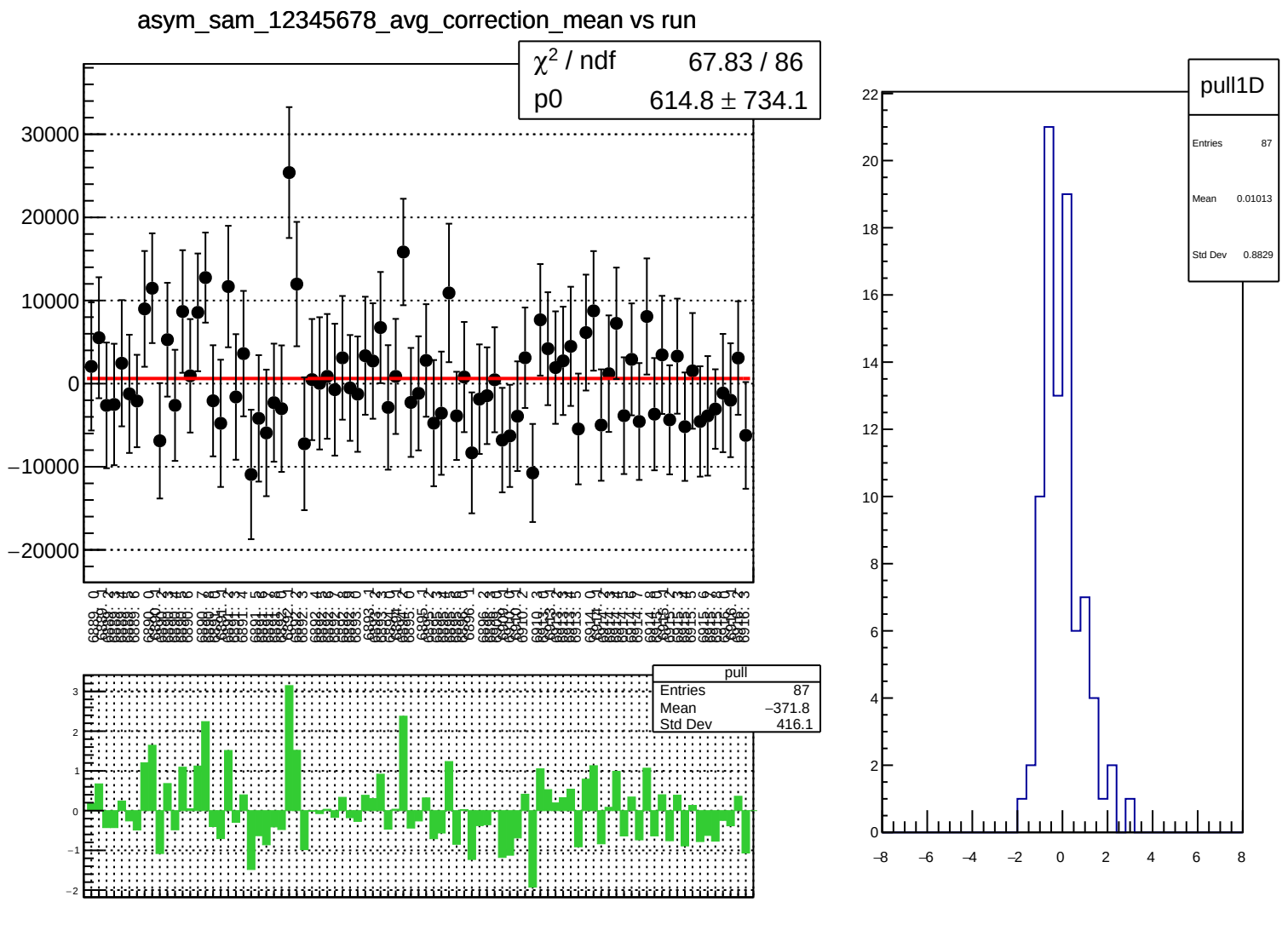
asym_sam_1357_2468_dd_rms vs run



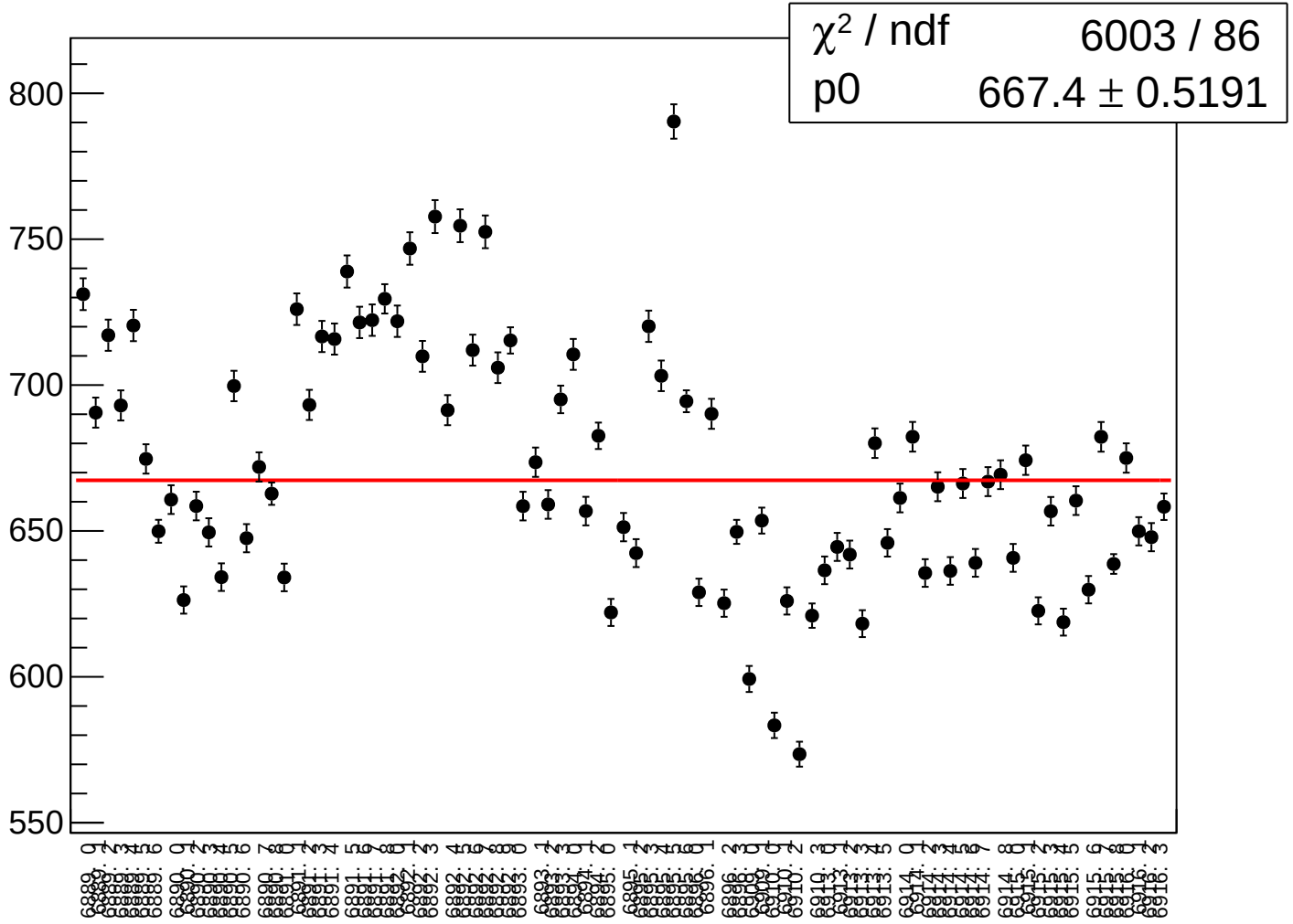

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 66.15 / 86
p0 −121.4 ± 88.31
pull
Entries 87
Mean 4592
Std Dev 4553
pull1D
Entries 87
Mean 0.000907
Std Dev 0.872

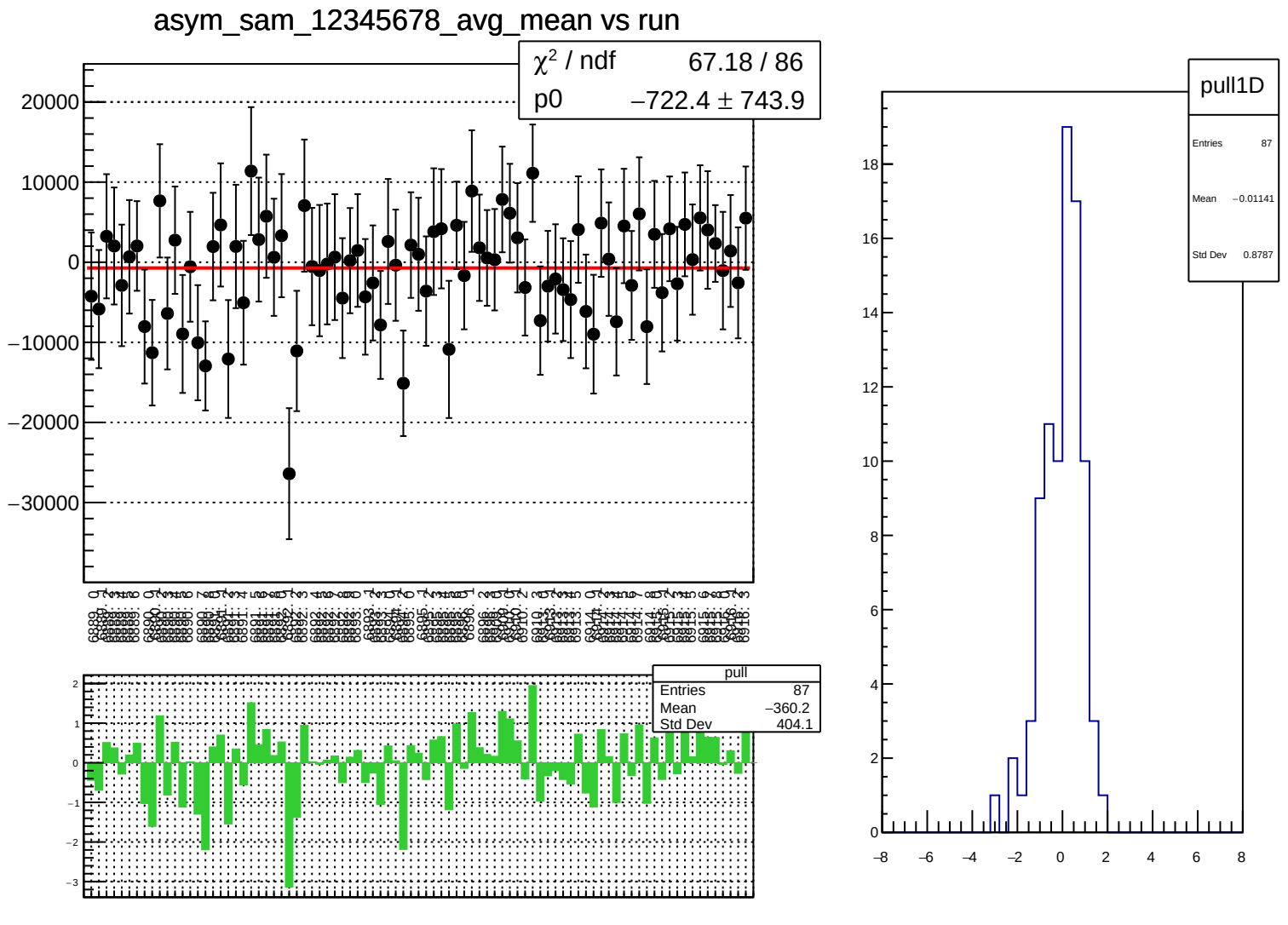
dit_asym_sam_12345678_avg_rms vs run

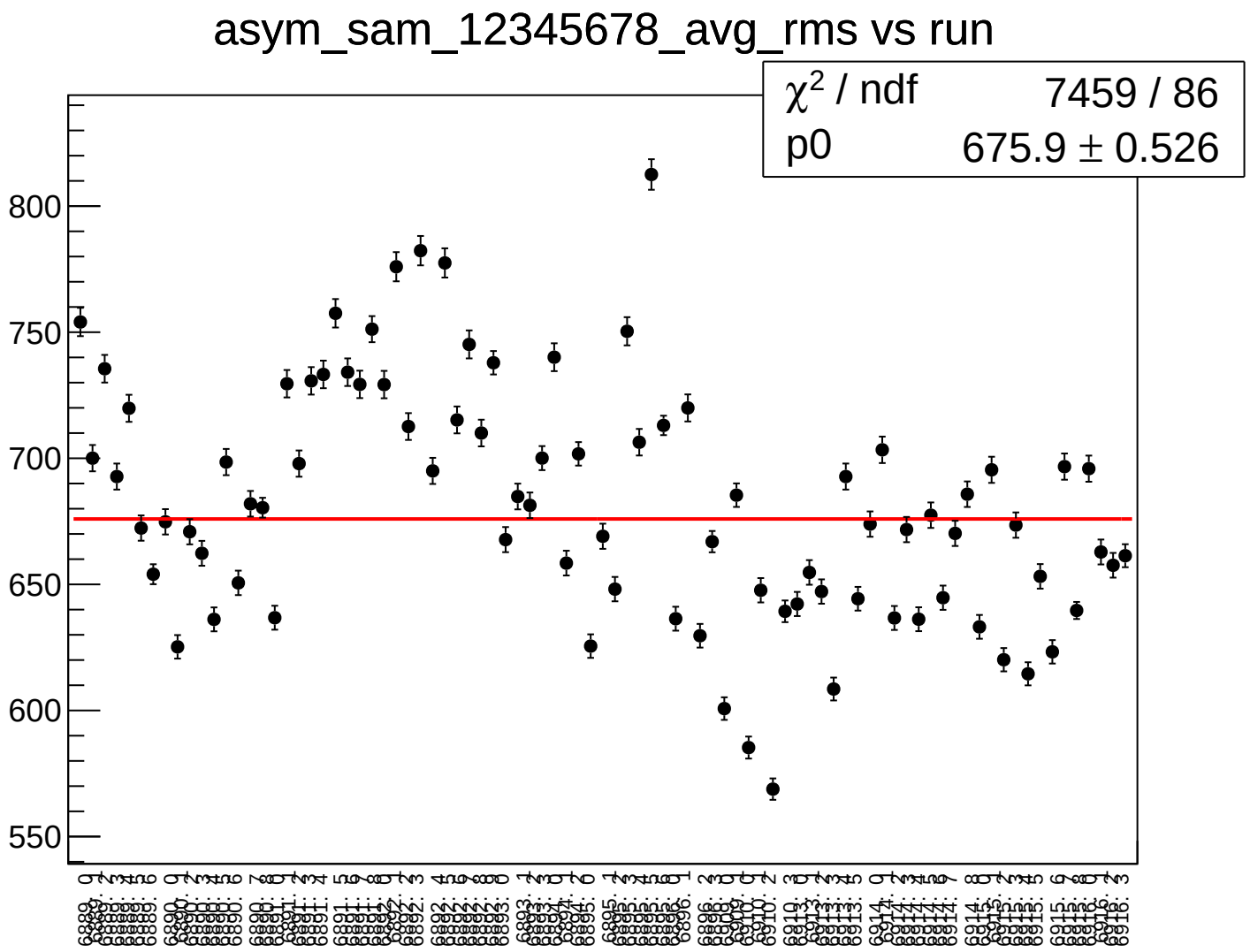


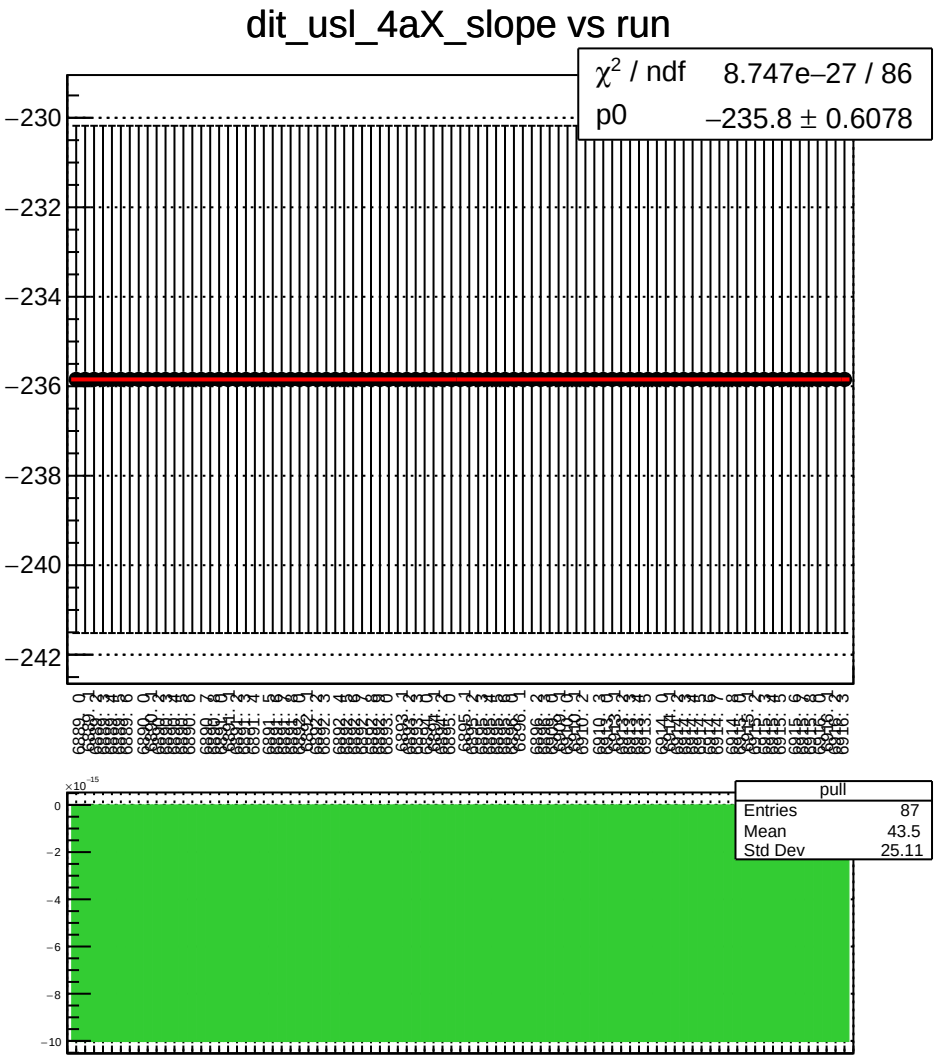

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 67.83 / 86
p0 614.8 ± 734.1
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −371.8
Std Dev 416.1
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01013
Std Dev 0.8829
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

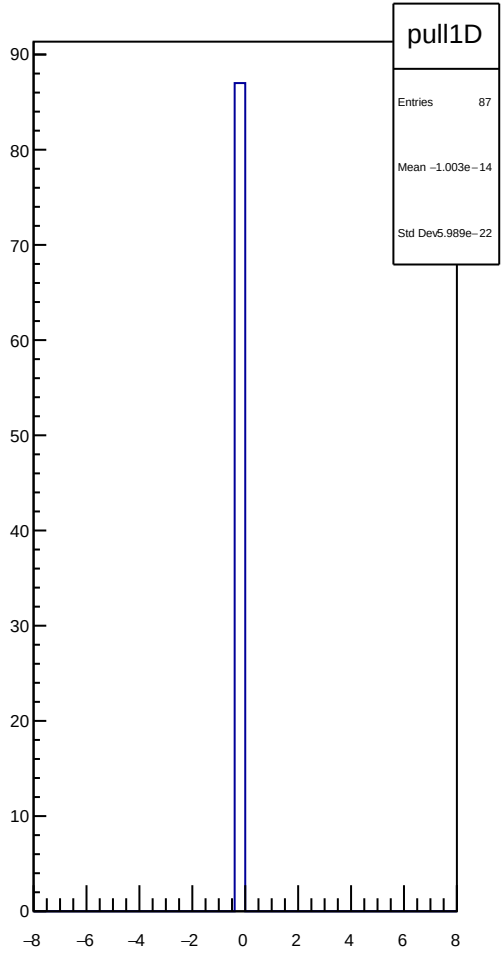
asym_sam_12345678_avg_correction_rms vs run

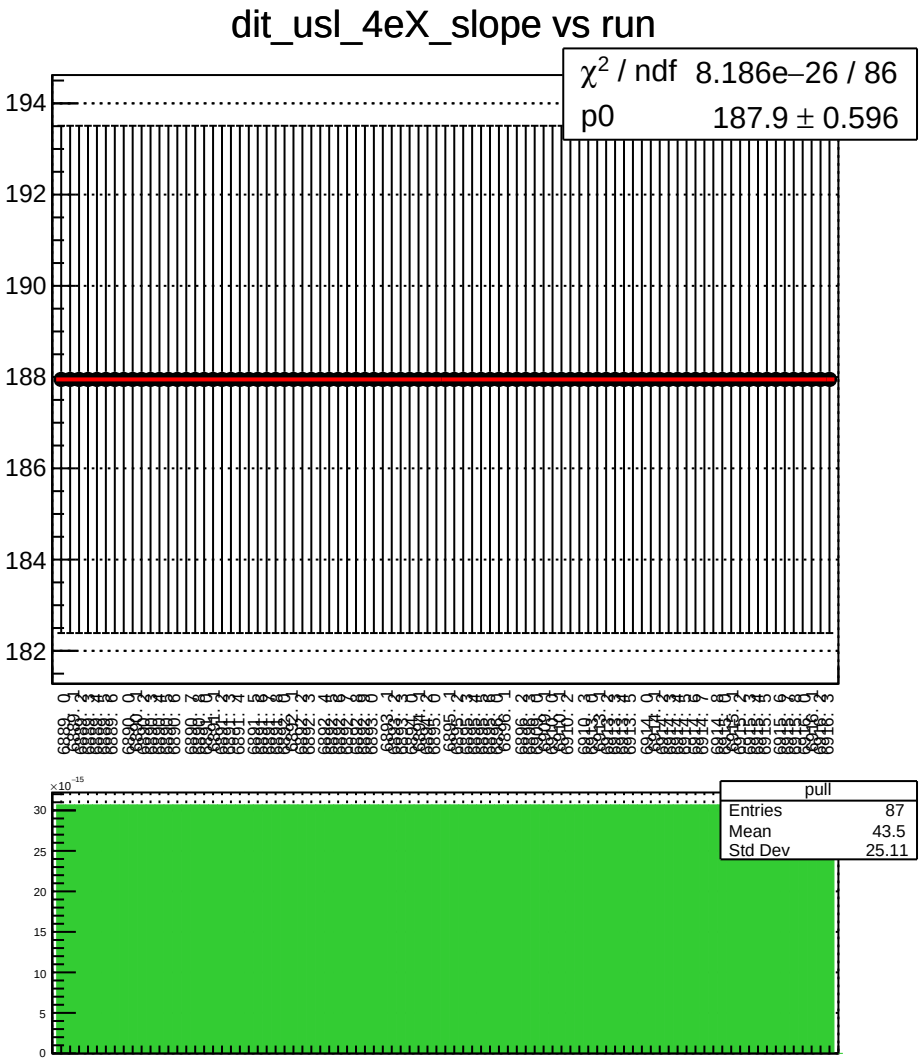


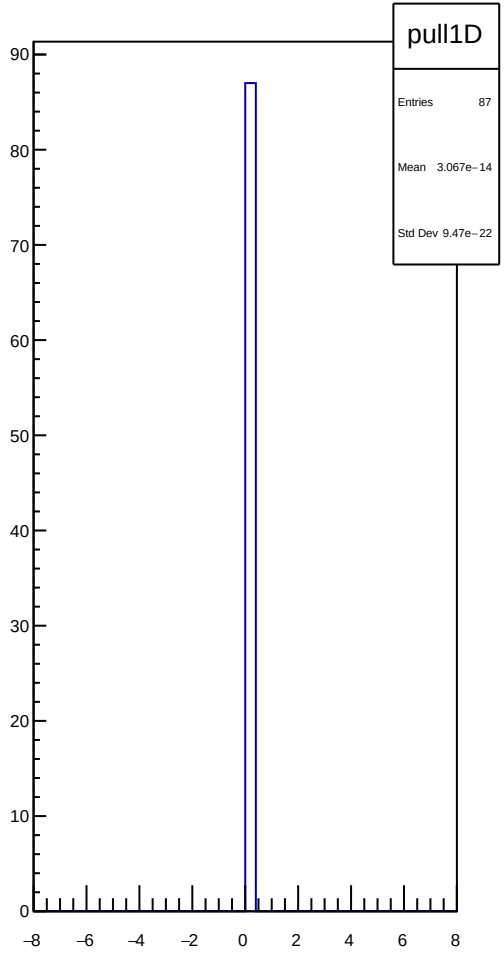

asym_sam_12345678_avg_mean vs run
χ² / ndf 67.18 / 86
p0 −722.4 ± 743.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −360.2
Std Dev 404.1
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.01141
Std Dev 0.8787
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

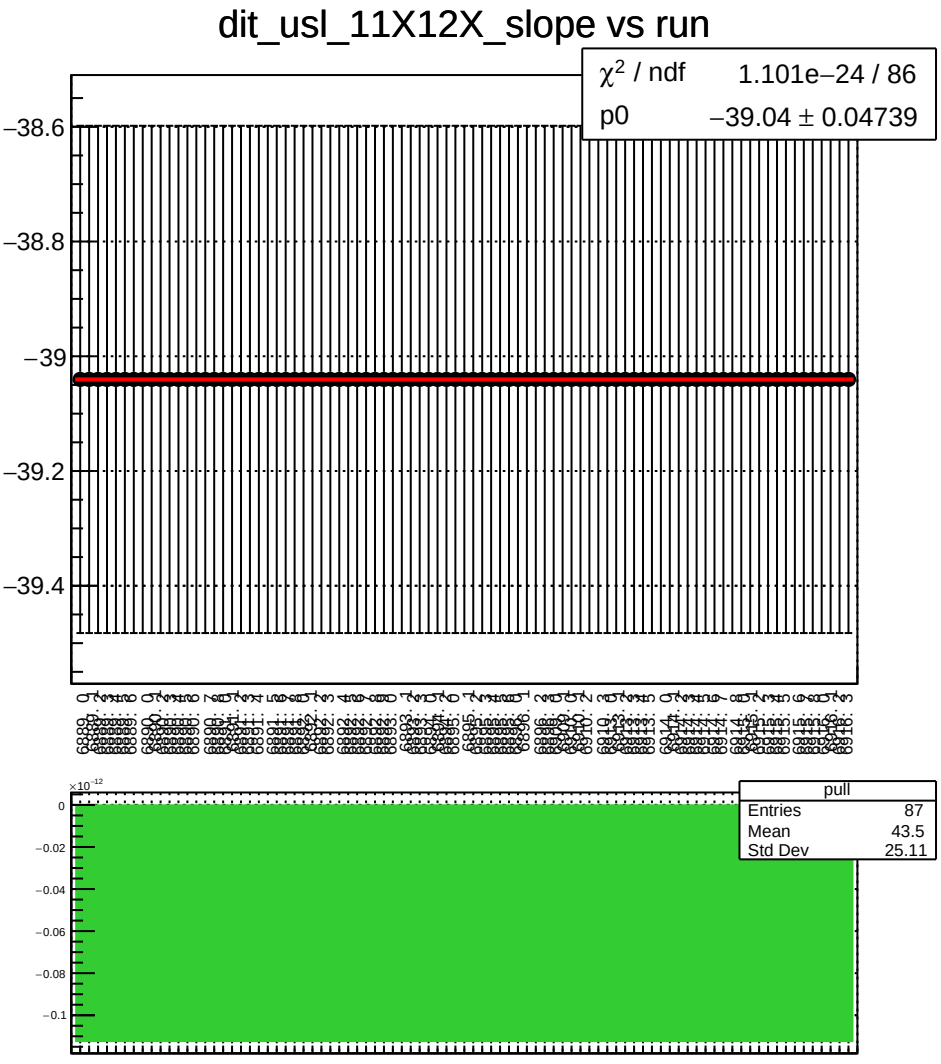

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 7459 / 86
p0 675.9 ± 0.526
800
750
700
650
600
550

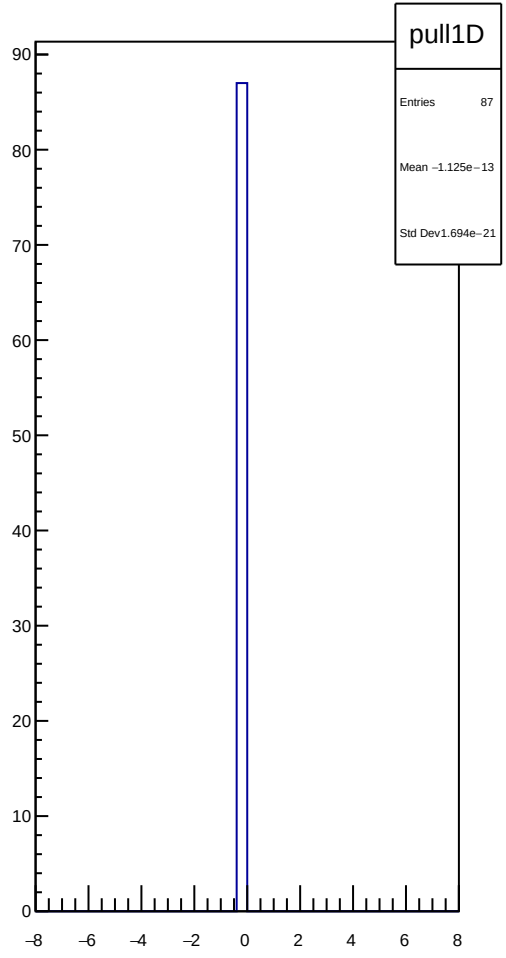

dit_usl_4aX_slope vs run
χ² / ndf 8.747e−27 / 86
p0 −235.8 ± 0.6078
−230
−232
−234
−236
−238
−240
−242
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10

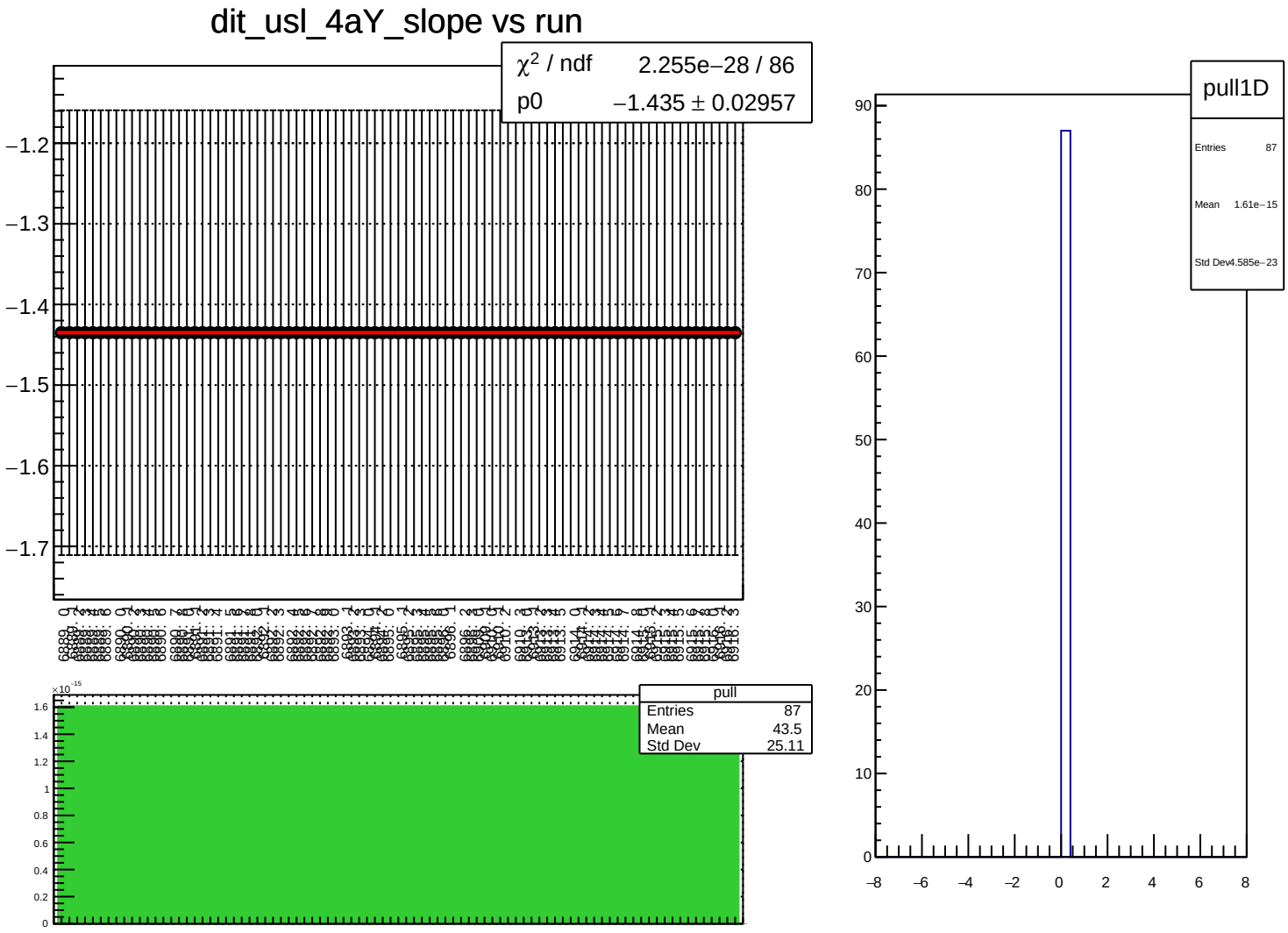

pull1D
Entries 87
Mean −1.003e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

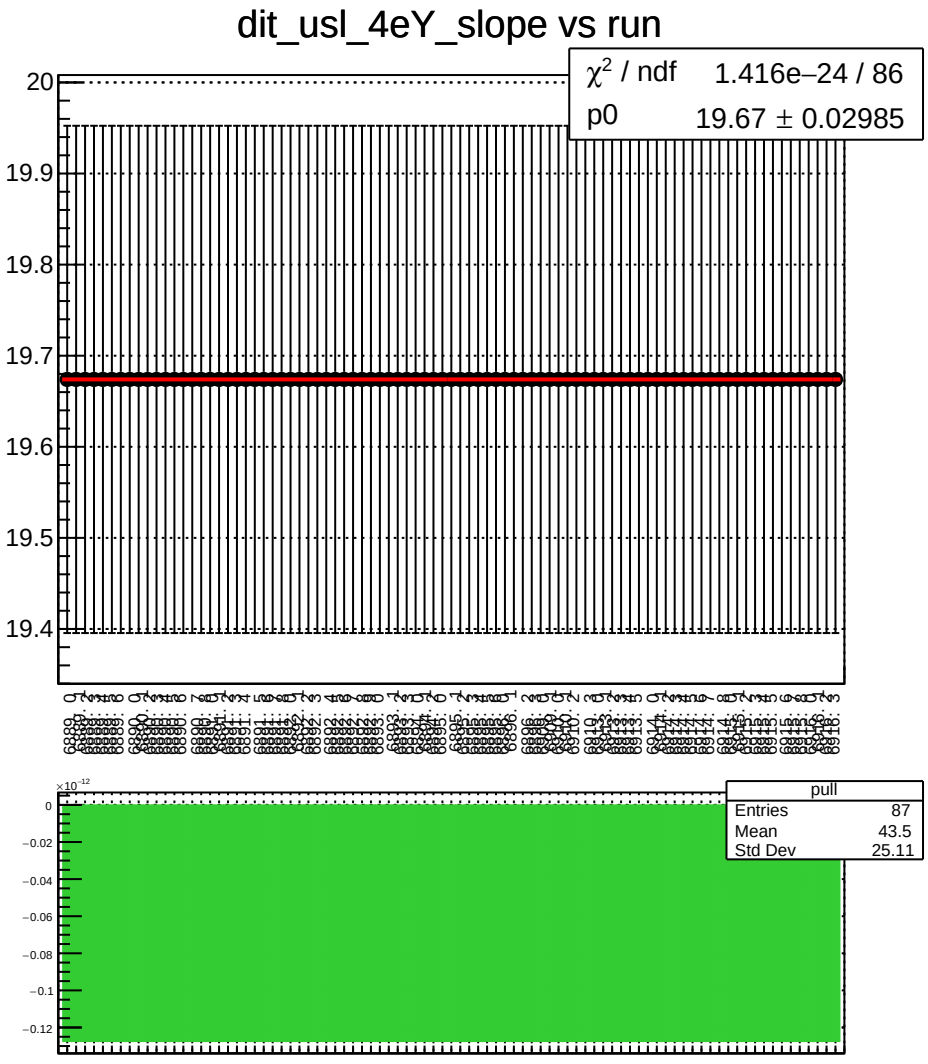

dit_usl_4eX_slope vs run
χ^2 / ndf 8.186e−26 / 86
p0 187.9 ± 0.596
194
192
190
188
186
184
182
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
30
25
20
15
10
5
0

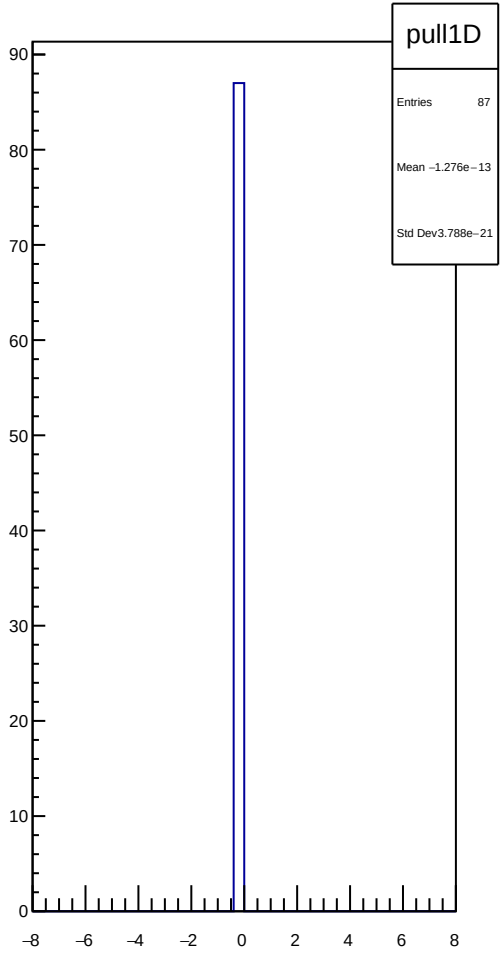

pull1D
Entries 87
Mean 3.067e−14
Std Dev 9.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

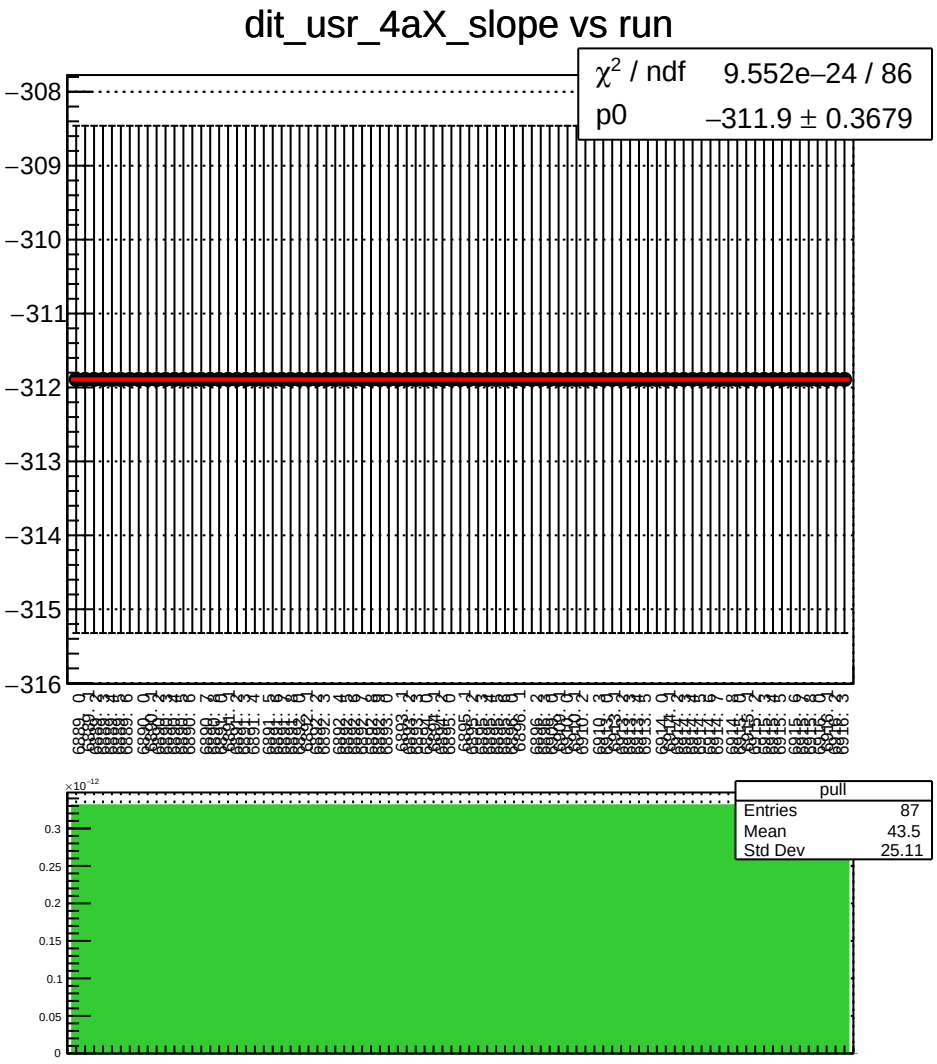

dit_usl_11X12X_slope vs run
χ^2 / ndf 1.101e−24 / 86
p0 −39.04 ± 0.04739
−38.6
−38.8
−39
−39.2
−39.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1

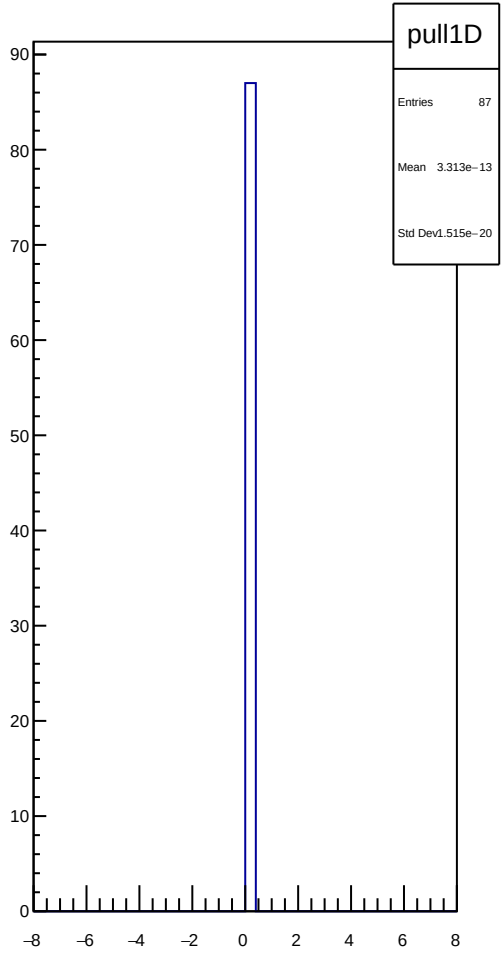

pull1D
Entries 87
Mean −1.125e−13
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

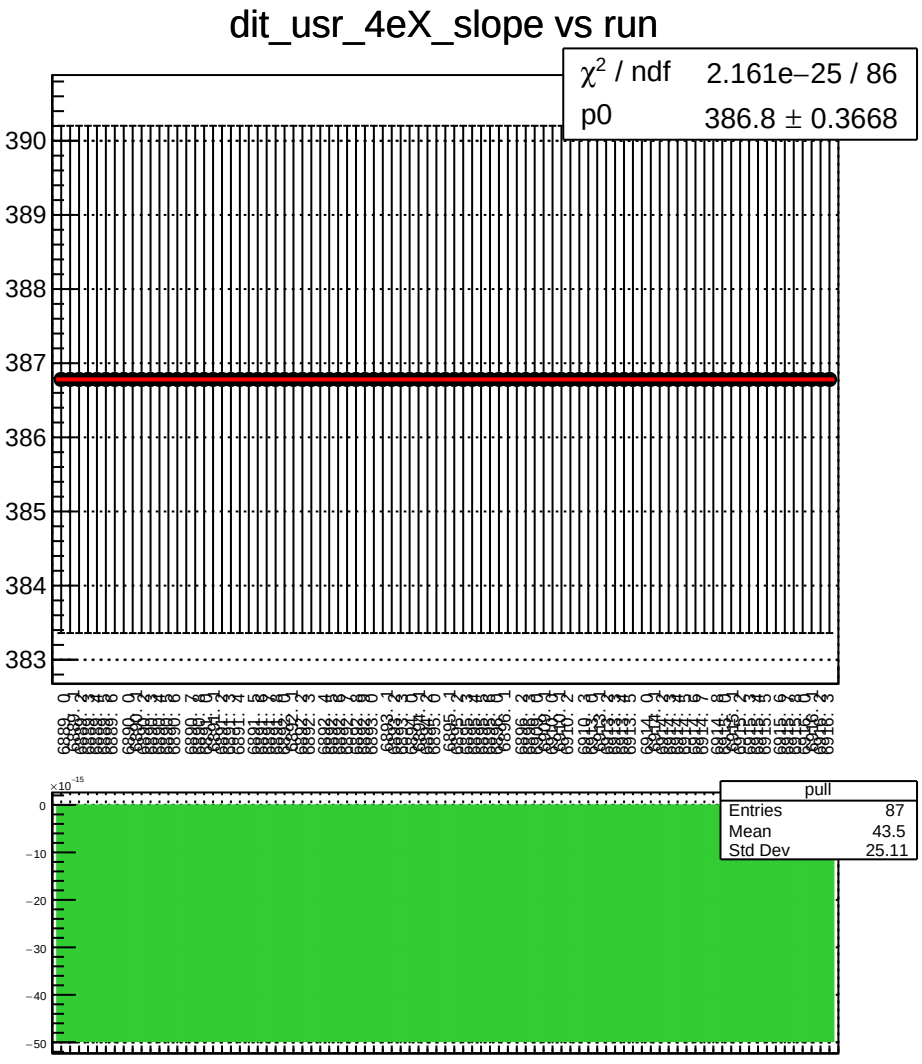

dit_usl_4aY_slope vs run
χ² / ndf 2.255e−28 / 86
p0 −1.435 ± 0.02957
−1.2
−1.3
−1.4
−1.5
−1.6
−1.7
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 1.61e−15
Std Dev 4.585e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

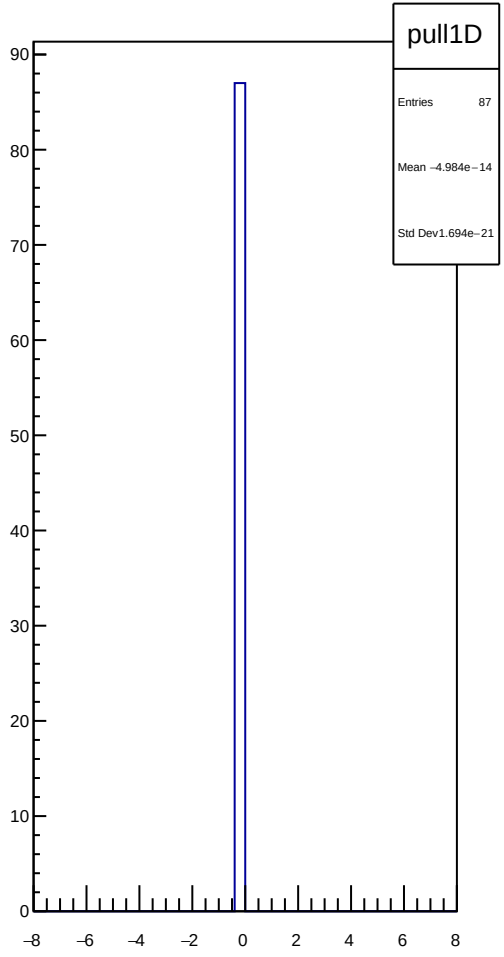

dit_usl_4eY_slope vs run
χ^2 / ndf 1.416e−24 / 86
p0 19.67 ± 0.02985
20
19.9
19.8
19.7
19.6
19.5
19.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

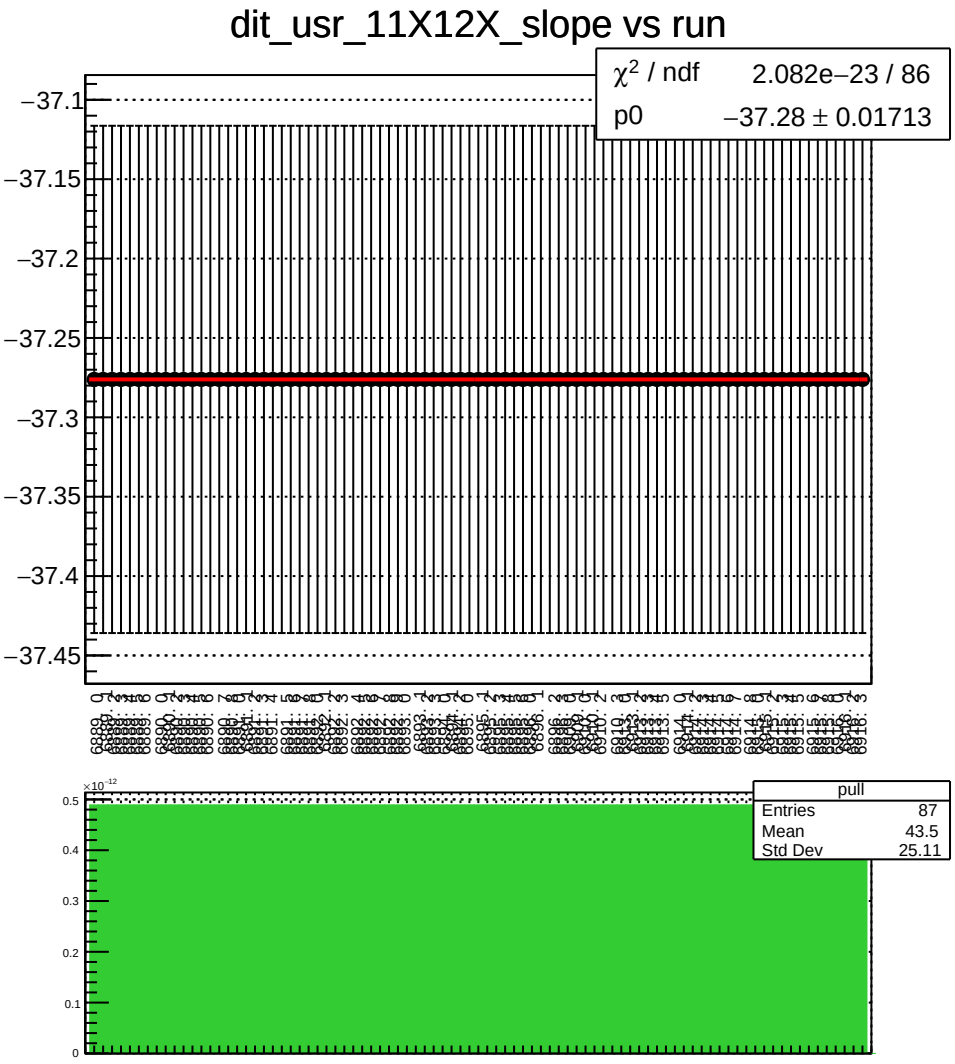

pull1D
Entries 87
Mean −1.276e−13
Std Dev3.788e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

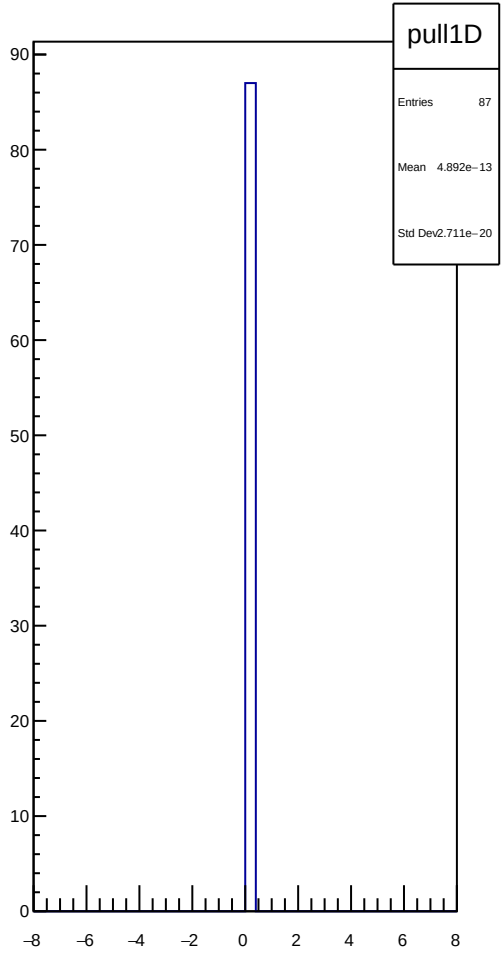

dit_usr_4aX_slope vs run
χ² / ndf 9.552e−24 / 86
p0 −311.9 ± 0.3679
−308
−309
−310
−311
−312
−313
−314
−315
−316
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

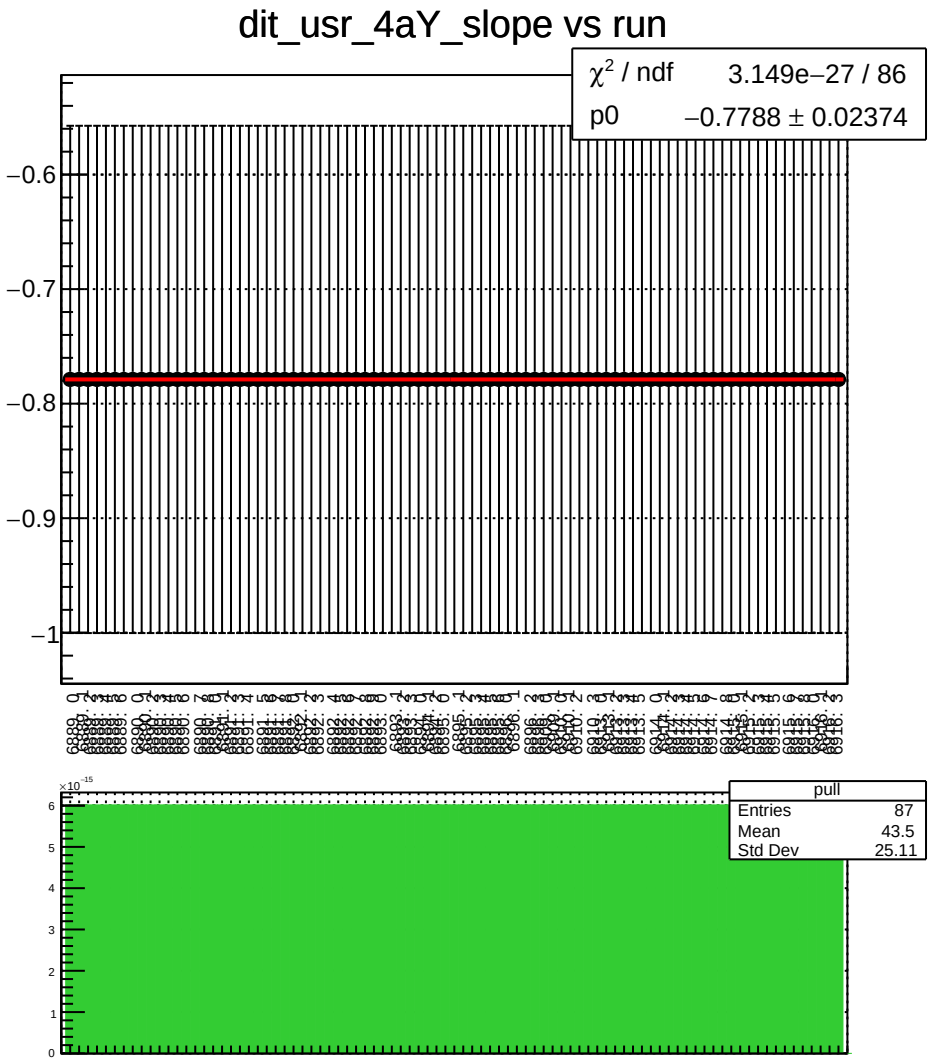

pull1D
Entries 87
Mean 3.313e−13
Std Dev 1.515e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

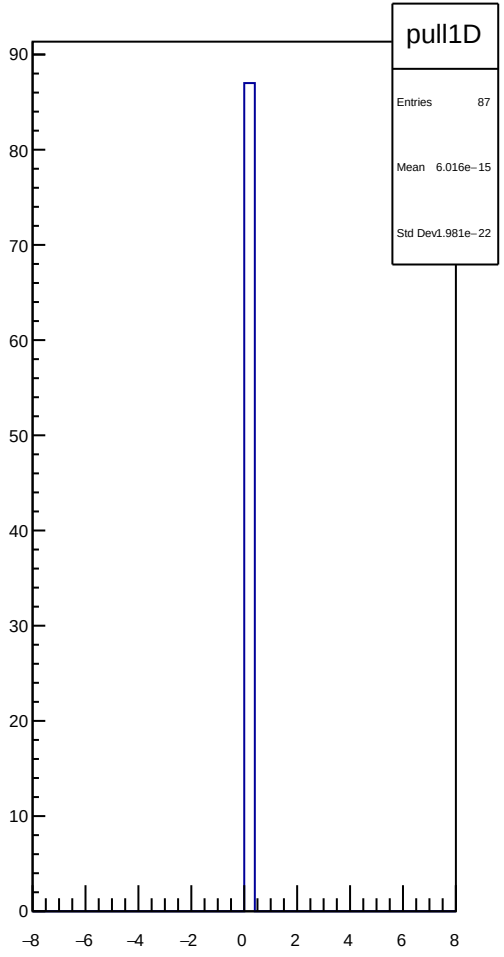

dit_usr_4eX_slope vs run
χ^2 / ndf 2.161e−25 / 86
p0 386.8 ± 0.3668
390
389
388
387
386
385
384
383
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
−50

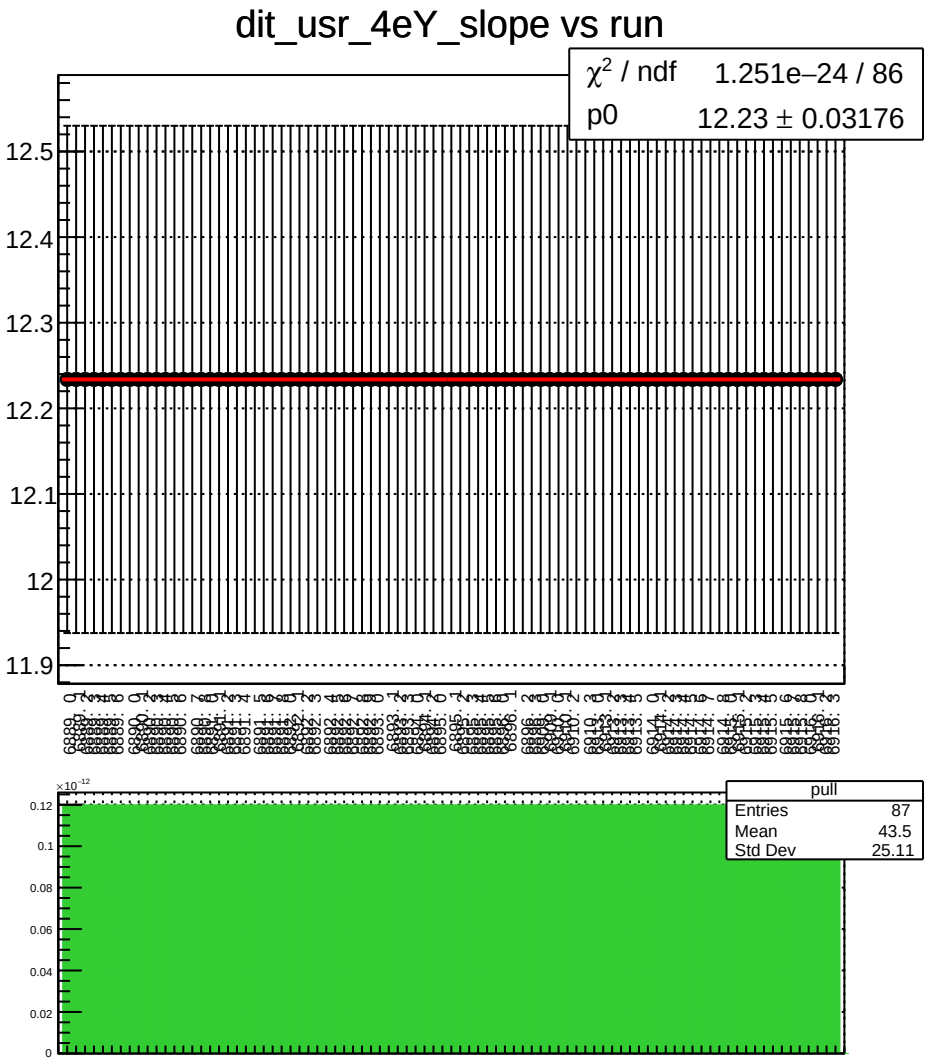

pull1D
Entries 87
Mean −4.984e−14
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

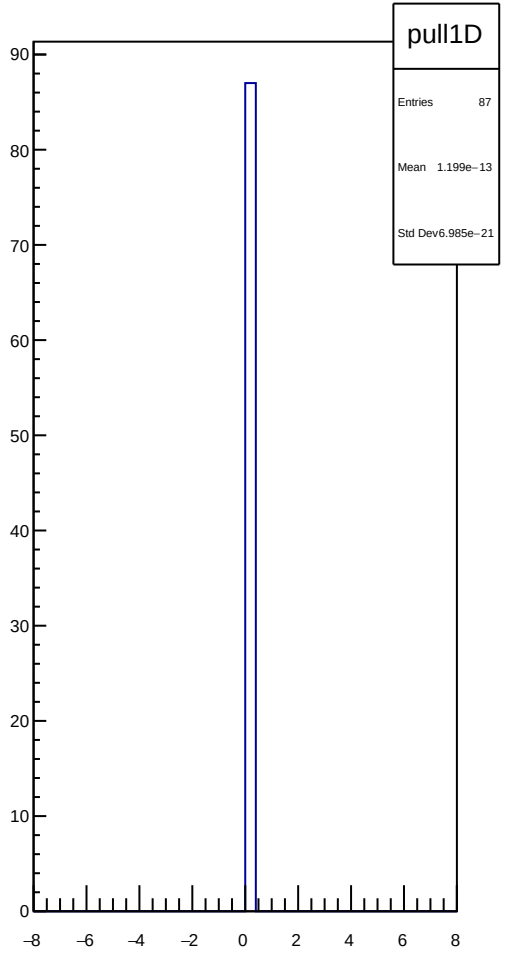

dit_usr_11X12X_slope vs run
χ^2 / ndf 2.082e−23 / 86
p0 −37.28 ± 0.01713
−37.1
−37.15
−37.2
−37.25
−37.3
−37.35
−37.4
−37.45
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0.5
0.4
0.3
0.2
0.1
0

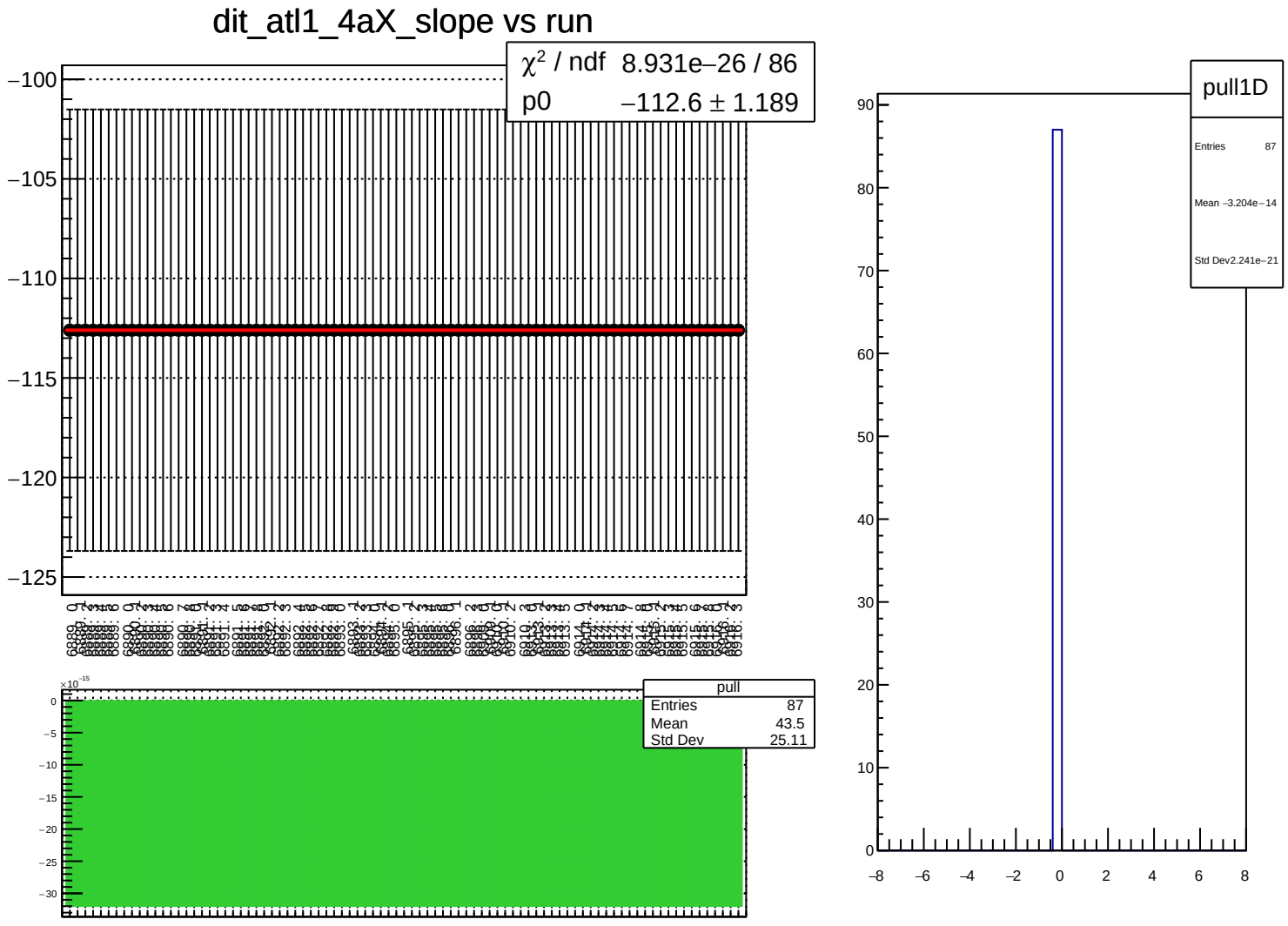

pull1D
Entries 87
Mean 4.892e−13
Std Dev 2.711e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

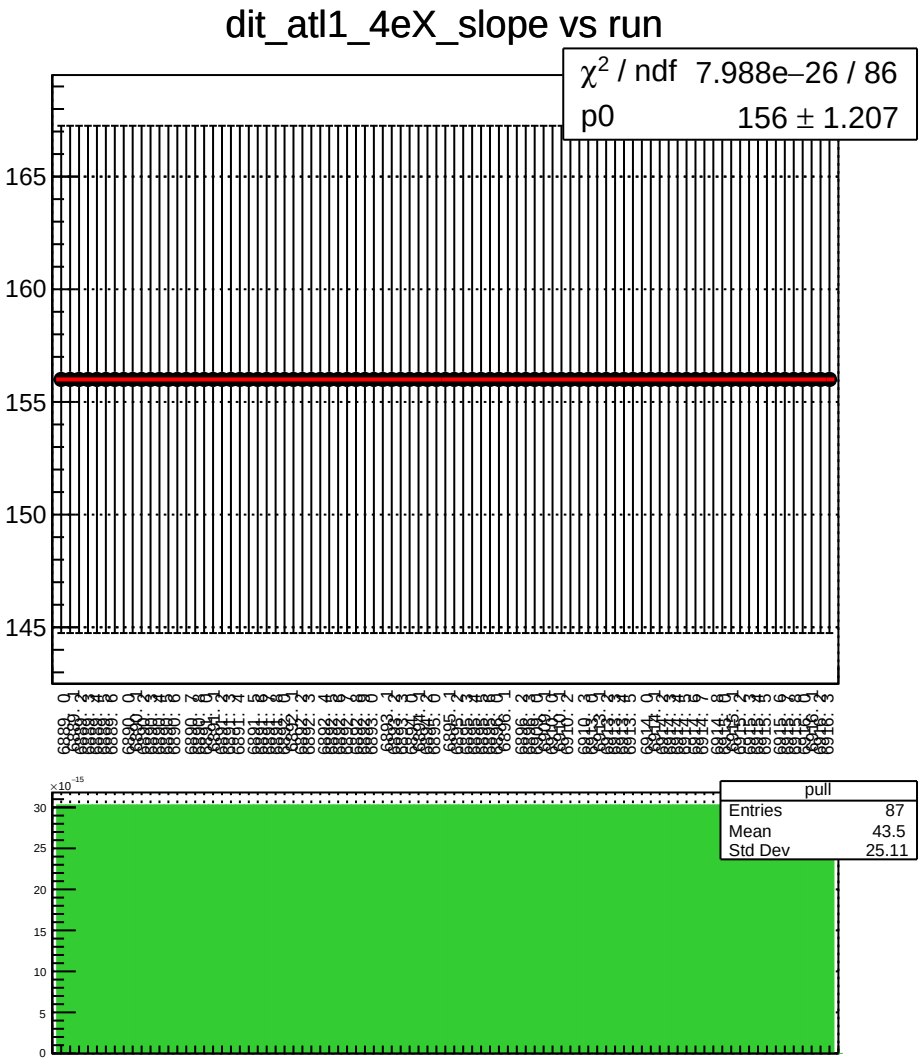

dit_usr_4aY_slope vs run
χ² / ndf 3.149e−27 / 86
p0 −0.7788 ± 0.02374
−0.6
−0.7
−0.8
−0.9
−1
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
6
5
4
3
2
1
0

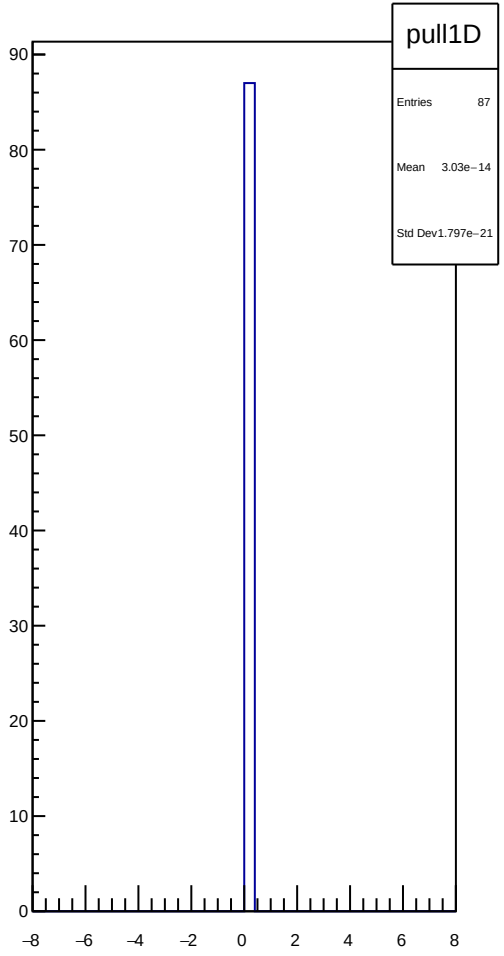

pull1D
Entries 87
Mean 6.016e−15
Std Dev 1.981e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

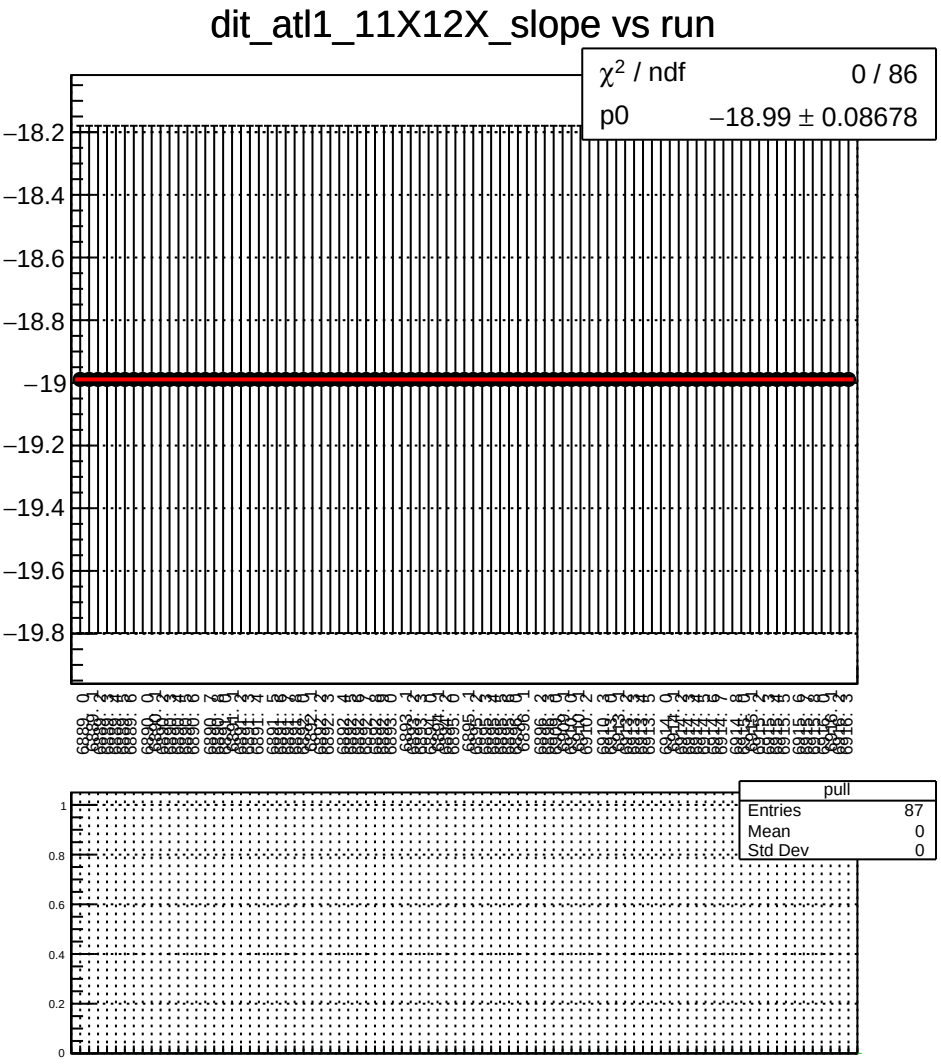

dit_usr_4eY_slope vs run
χ² / ndf 1.251e−24 / 86
p0 12.23 ± 0.03176
12.5
12.4
12.3
12.2
12.1
12
11.9
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

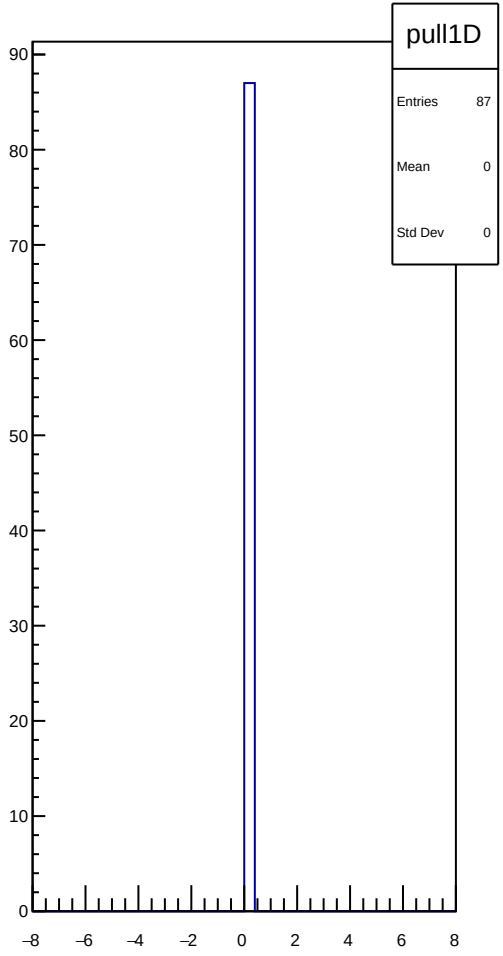

pull1D
Entries 87
Mean 1.199e−13
Std Dev 6.985e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

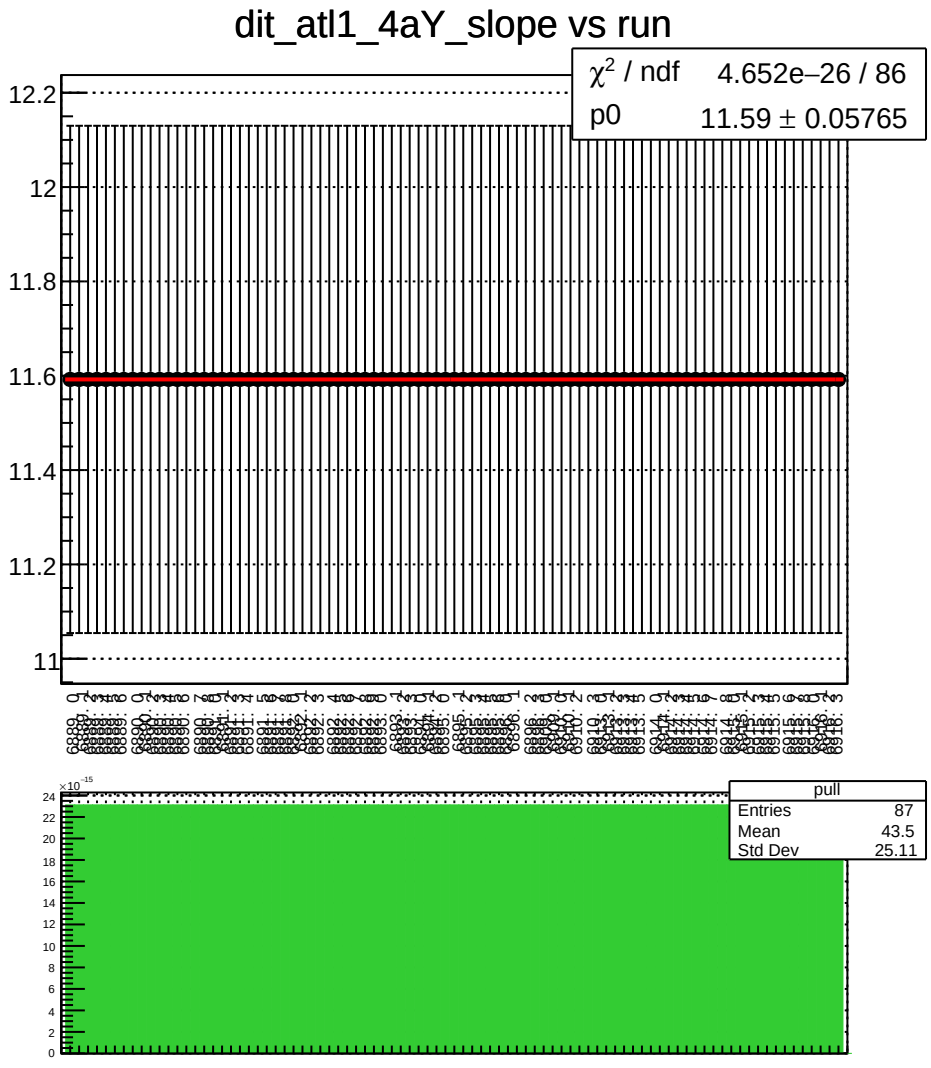

dit_atl1_4aX_slope vs run
χ² / ndf 8.931e−26 / 86
p0 −112.6 ± 1.189
−100
−105
−110
−115
−120
−125
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 87
Mean −3.204e−14
Std Dev 2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

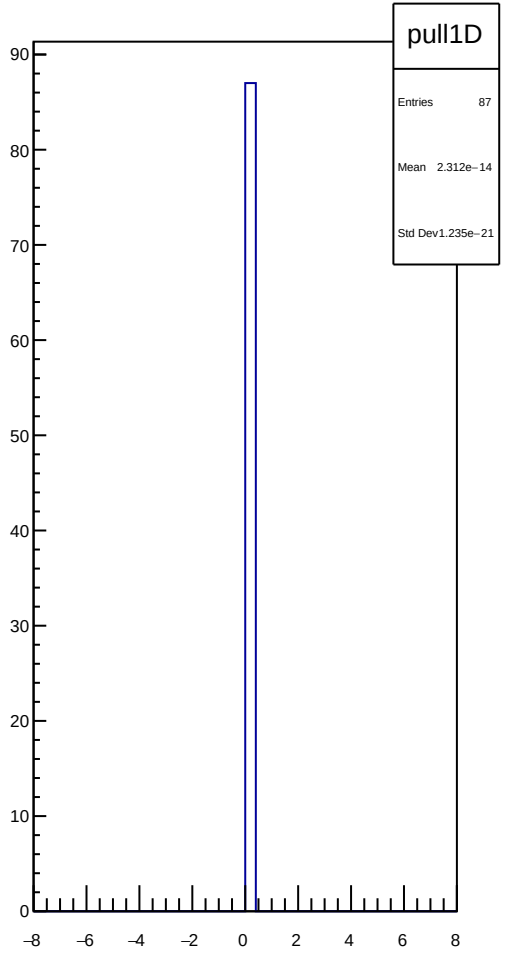

dit_atl1_4eX_slope vs run
χ^2 / ndf 7.988e−26 / 86
p0 156 ± 1.207
165
160
155
150
145
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-15}$
30
25
20
15
10
5
0

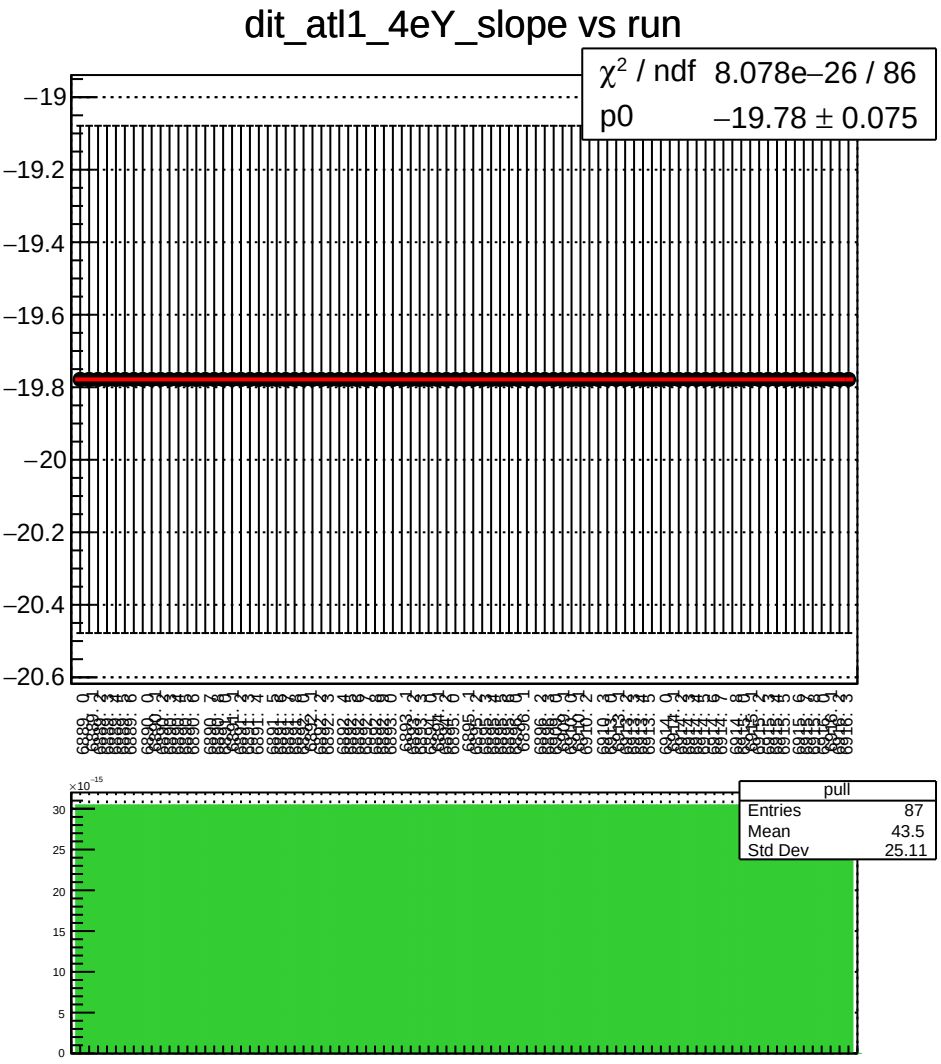

pull1D
Entries 87
Mean 3.03e−14
Std Dev 1.797e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

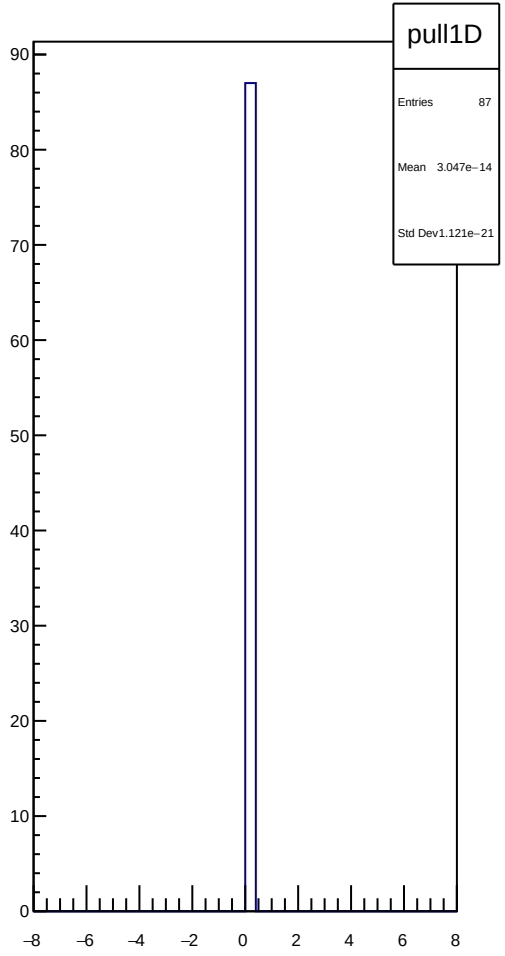

dit_atl1_11X12X_slope vs run
χ^2 / ndf 0 / 86
p0 −18.99 ± 0.08678
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

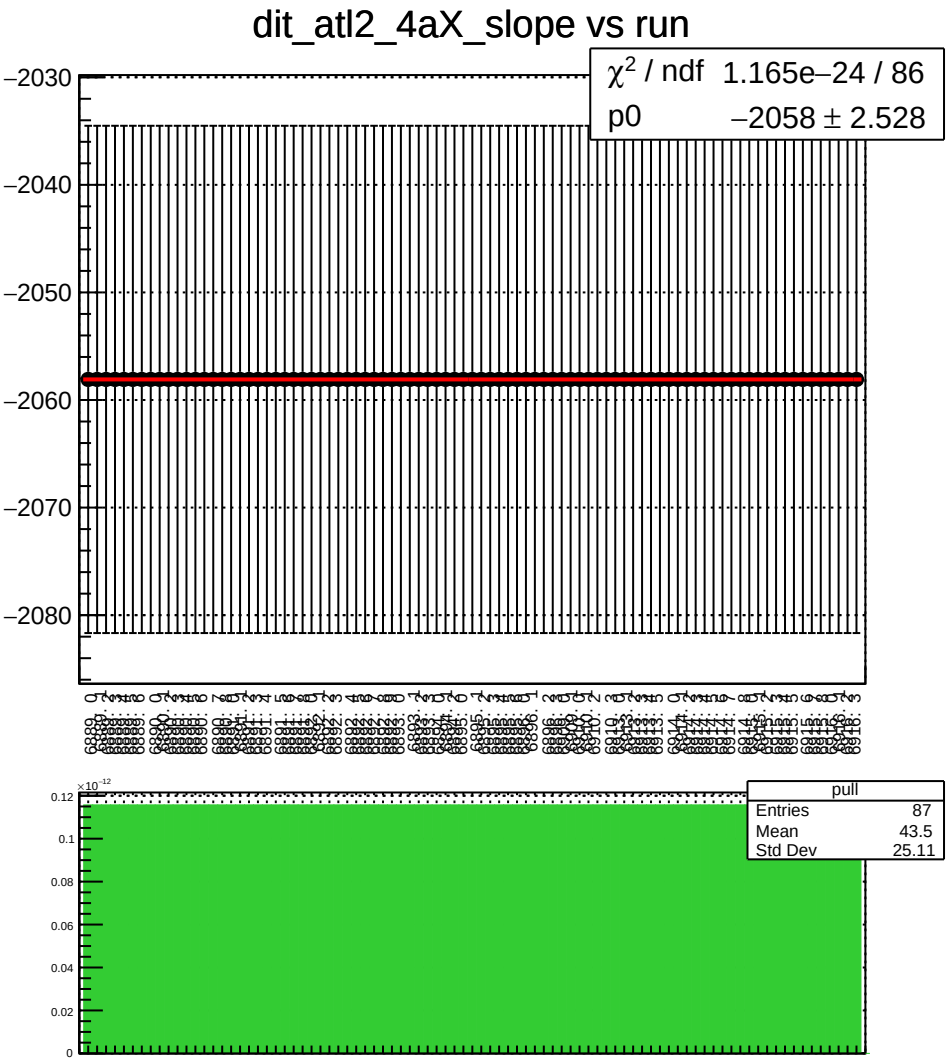

pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

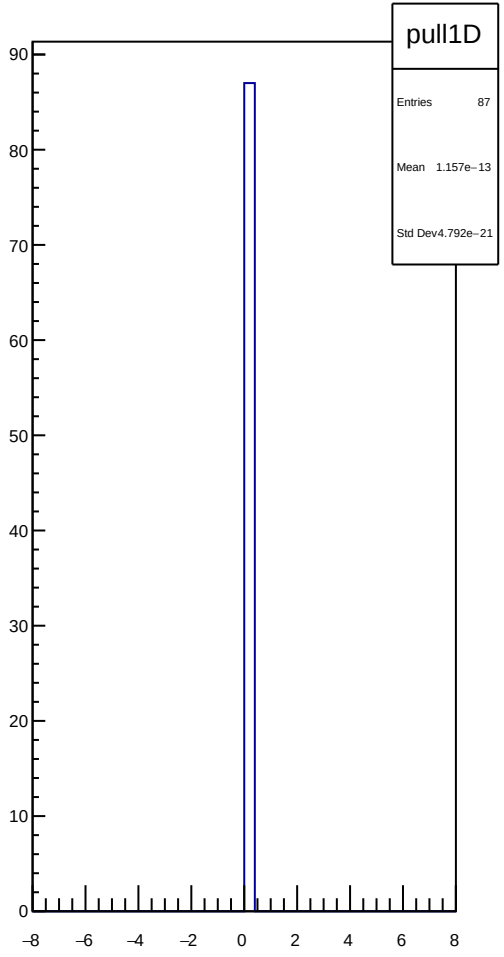

dit_atl1_4aY_slope vs run
χ^2 / ndf 4.652e−26 / 86
p0 11.59 ± 0.05765
12.2
12
11.8
11.6
11.4
11.2
11
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
24
22
20
18
16
14
12
10
8
6
4
2
0

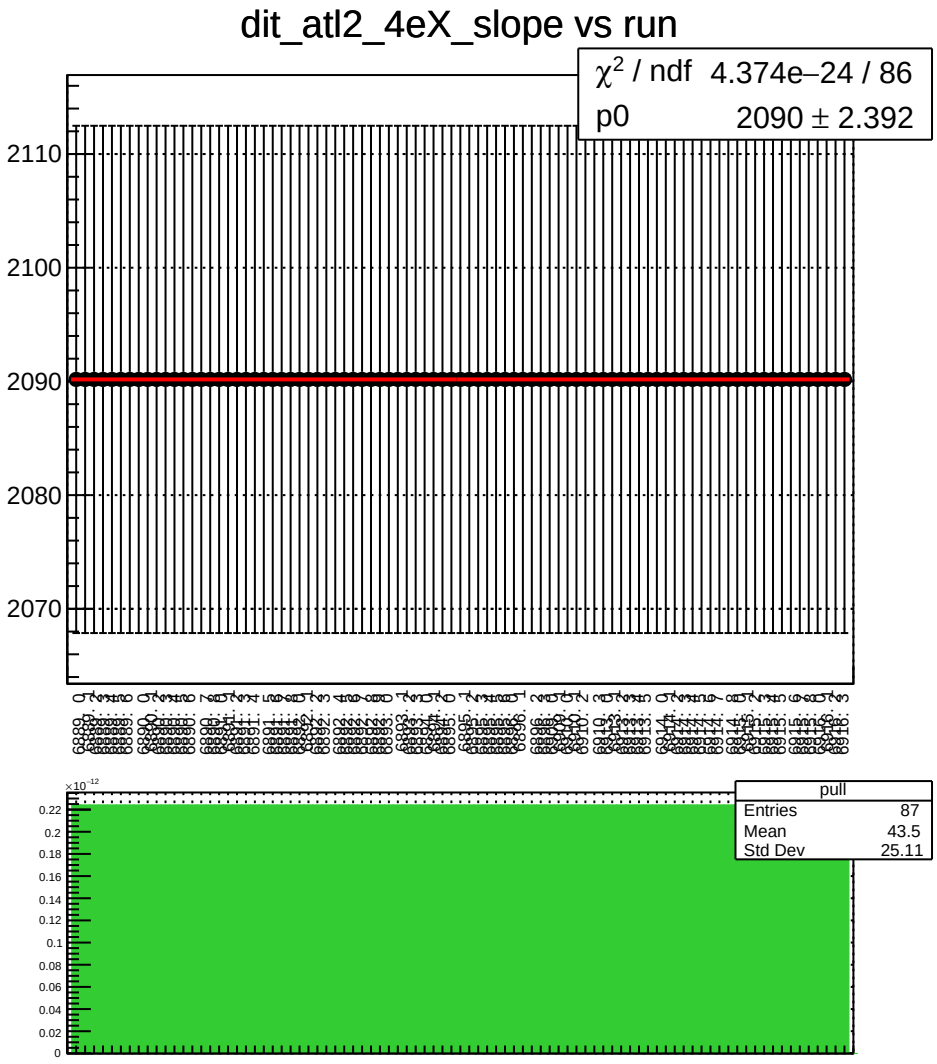

pull1D
Entries 87
Mean 2.312e−14
Std Dev 1.235e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

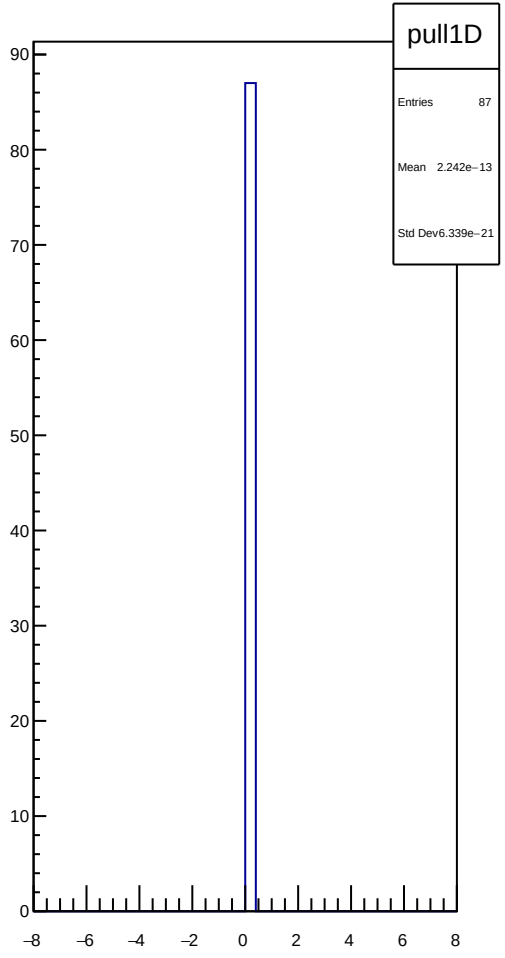

dit_atl1_4eY_slope vs run
χ^2 / ndf 8.078e−26 / 86
p0 −19.78 ± 0.075
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
30
25
20
15
10
5
0

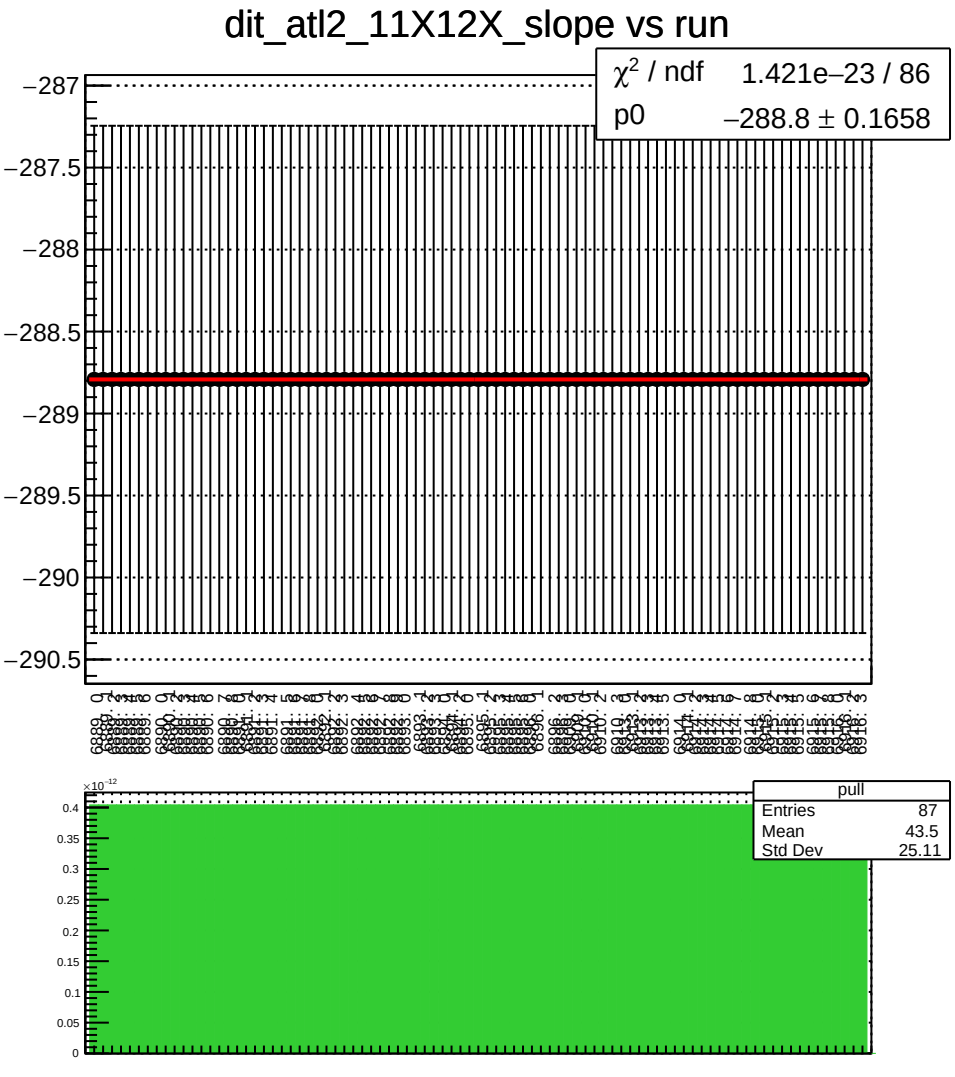

pull1D
Entries 87
Mean 3.047e−14
Std Dev 1.121e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

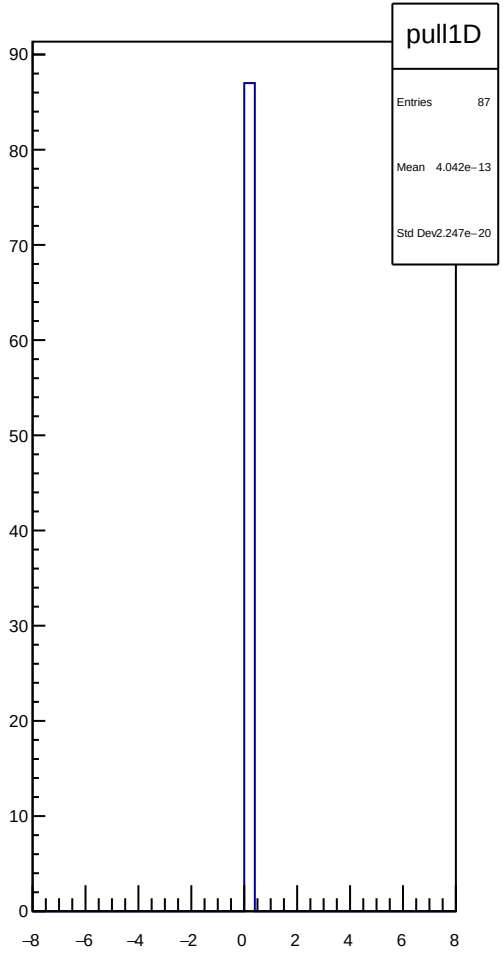

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.165e−24 / 86
p0 −2058 ± 2.528
−2030
−2040
−2050
−2060
−2070
−2080
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0.12
0.1
0.08
0.06
0.04
0.02
0

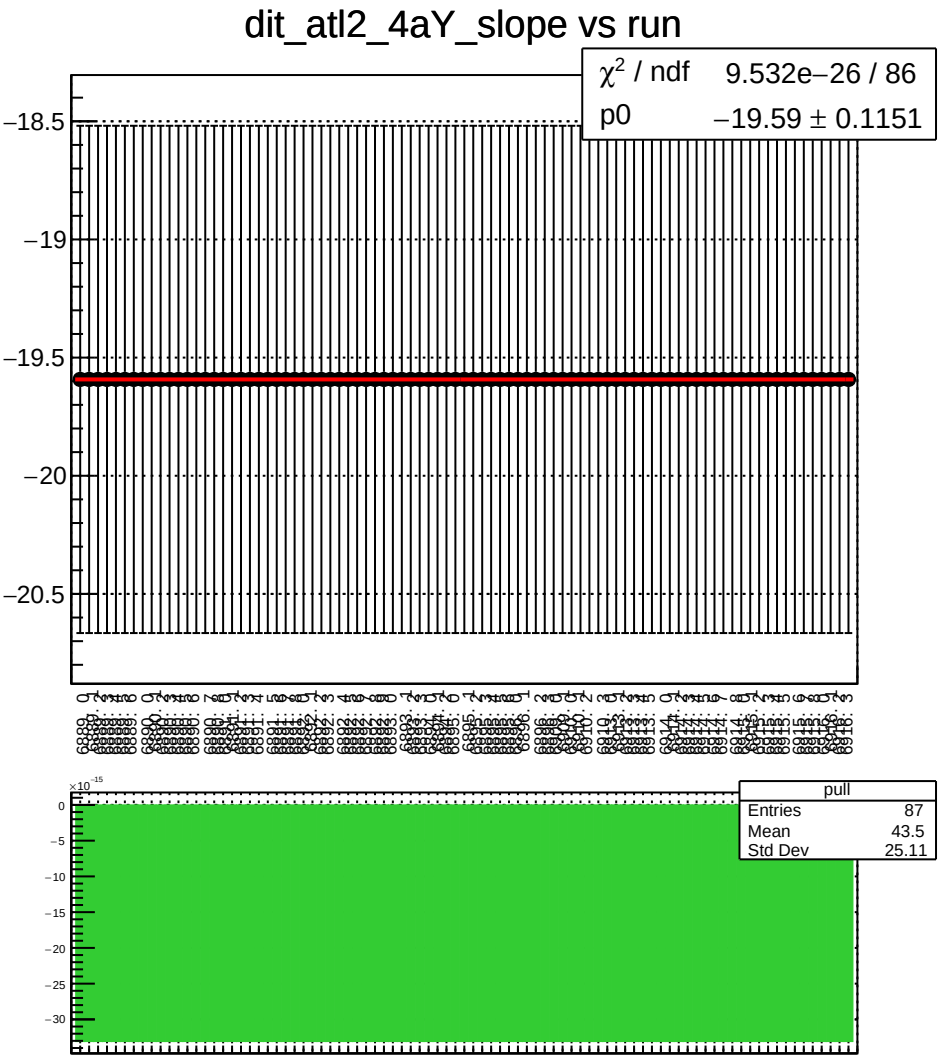

pull1D
Entries 87
Mean 1.157e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

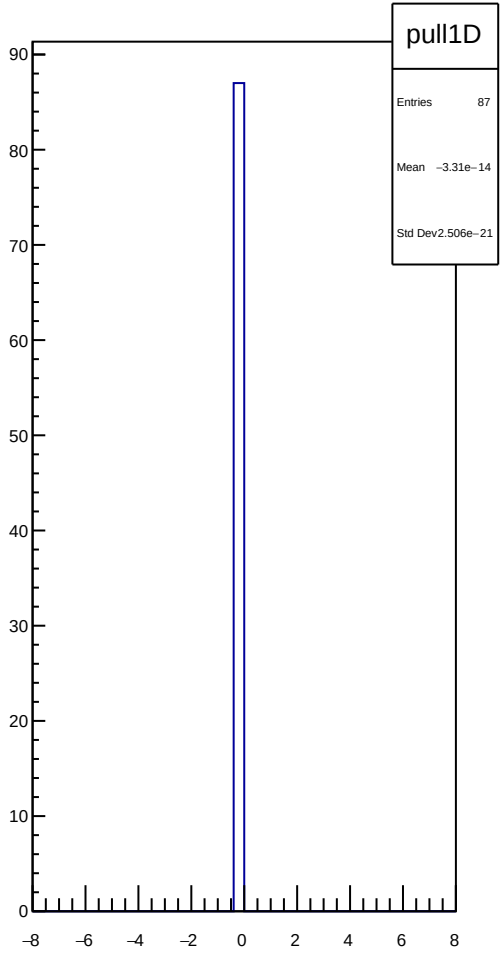

dit_atl2_4eX_slope vs run
χ^2 / ndf 4.374e−24 / 86
p0 2090 ± 2.392
2110
2100
2090
2080
2070
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

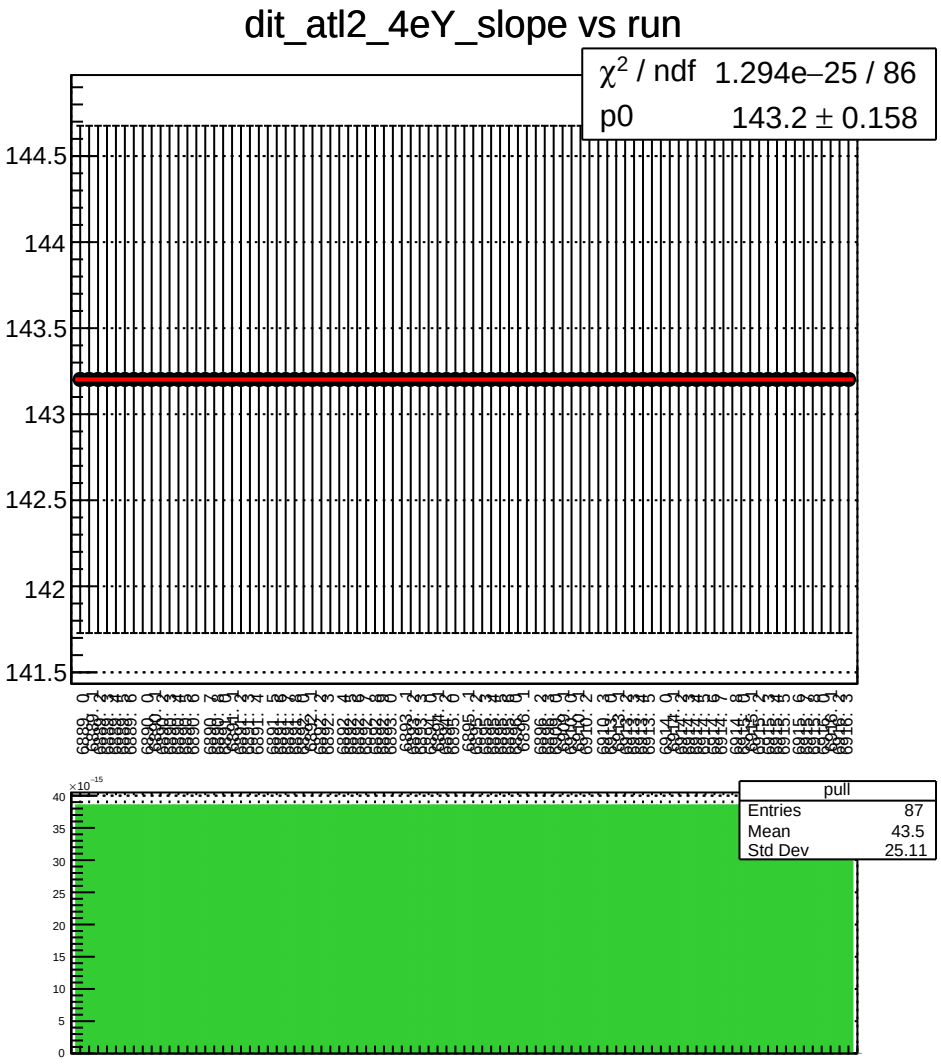

pull1D
Entries 87
Mean 2.242e−13
Std Dev 6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

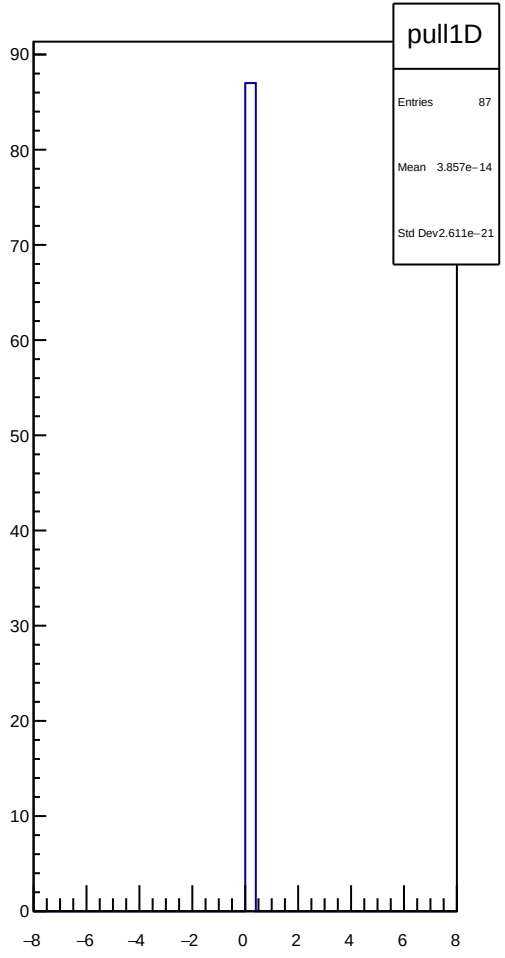

dit_atl2_11X12X_slope vs run
χ^2 / ndf 1.421e−23 / 86
p0 −288.8 ± 0.1658
−287
−287.5
−288
−288.5
−289
−289.5
−290
−290.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

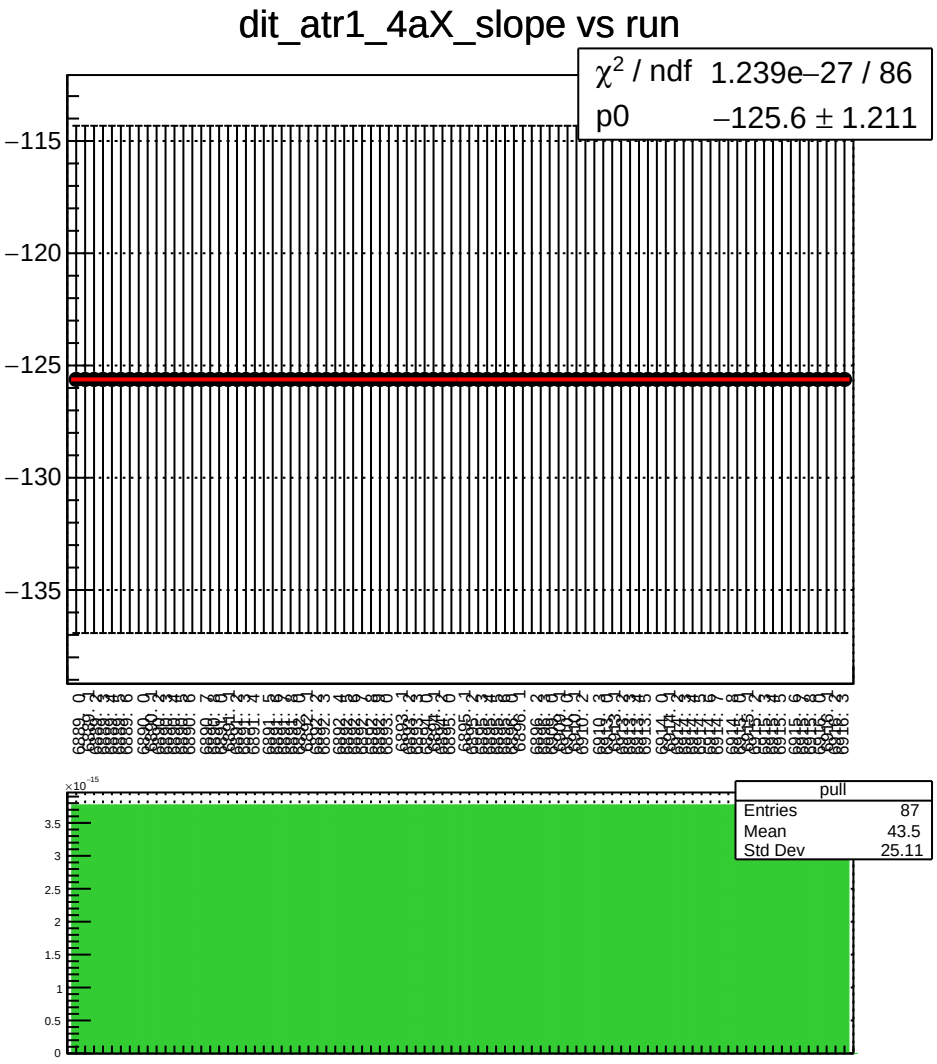

pull1D
Entries 87
Mean 4.042e−13
Std Dev 2.247e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

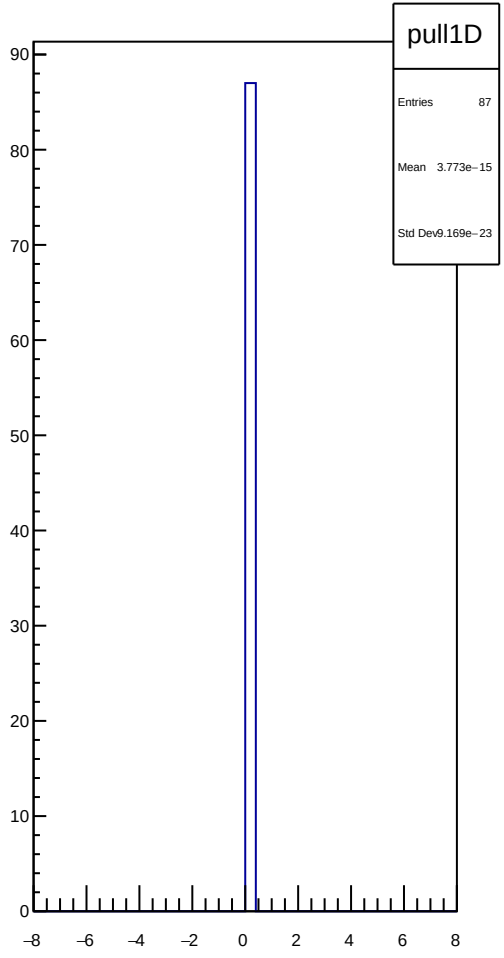

dit_atl2_4aY_slope vs run
χ^2 / ndf 9.532e−26 / 86
p0 −19.59 ± 0.1151
−18.5
−19
−19.5
−20
−20.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
0
−5
−10
−15
−20
−25
−30

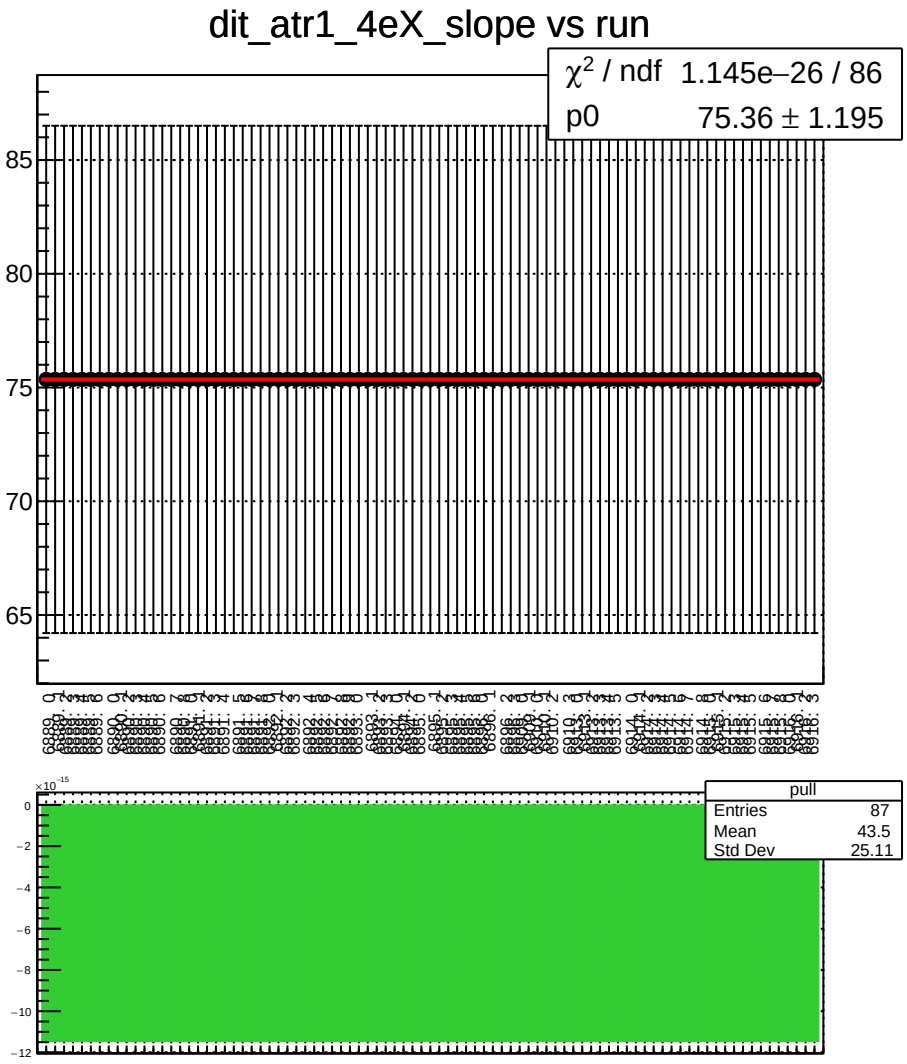

pull1D
Entries 87
Mean −3.31e−14
Std Dev2.506e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

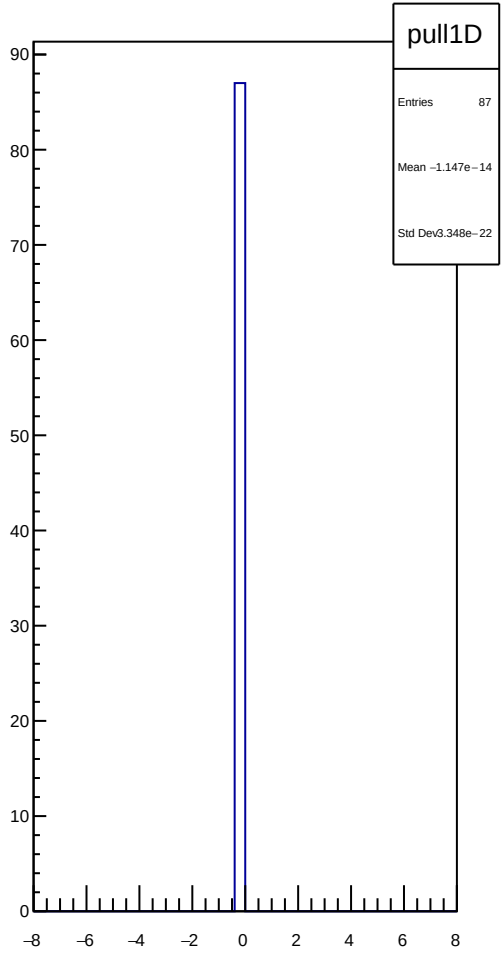

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.294e−25 / 86
p0 143.2 ± 0.158
144.5
144
143.5
143
142.5
142
141.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
40
35
30
25
20
15
10
5
0

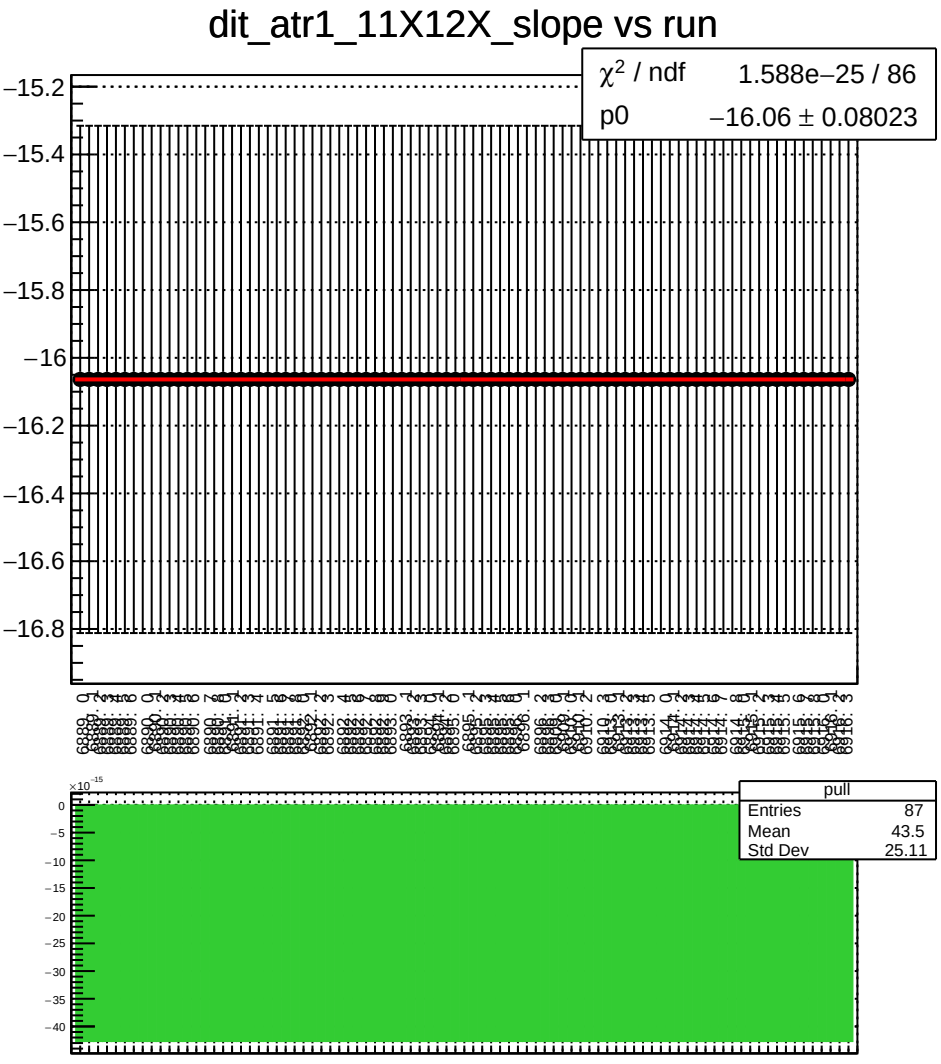

pull1D
Entries 87
Mean 3.857e−14
Std Dev2.611e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

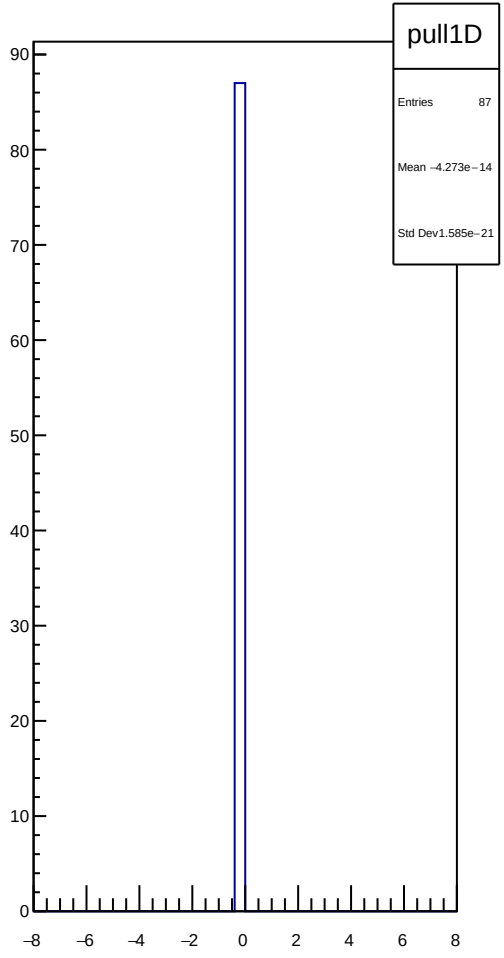

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.239e−27 / 86
p0 −125.6 ± 1.211
−115
−120
−125
−130
−135
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
3.5
3
2.5
2
1.5
1
0.5
0

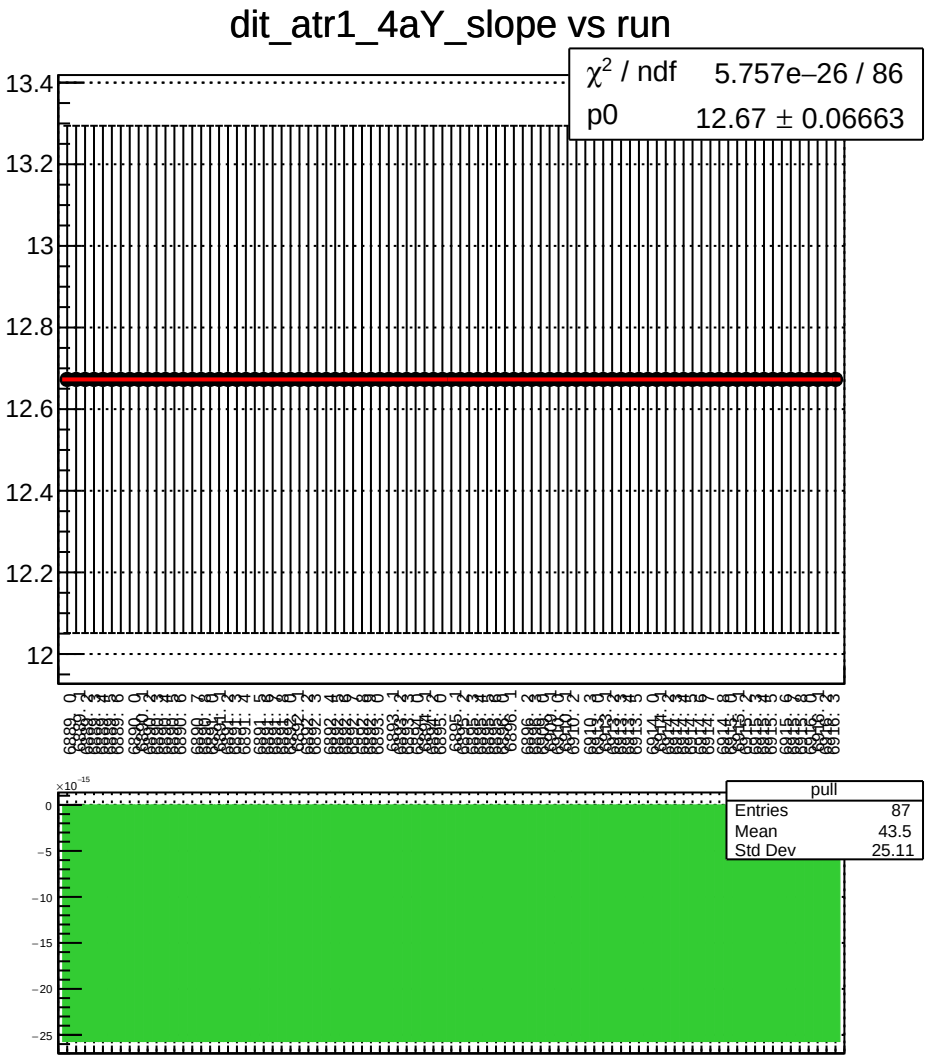

pull1D
Entries 87
Mean 3.773e−15
Std Dev 9.169e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

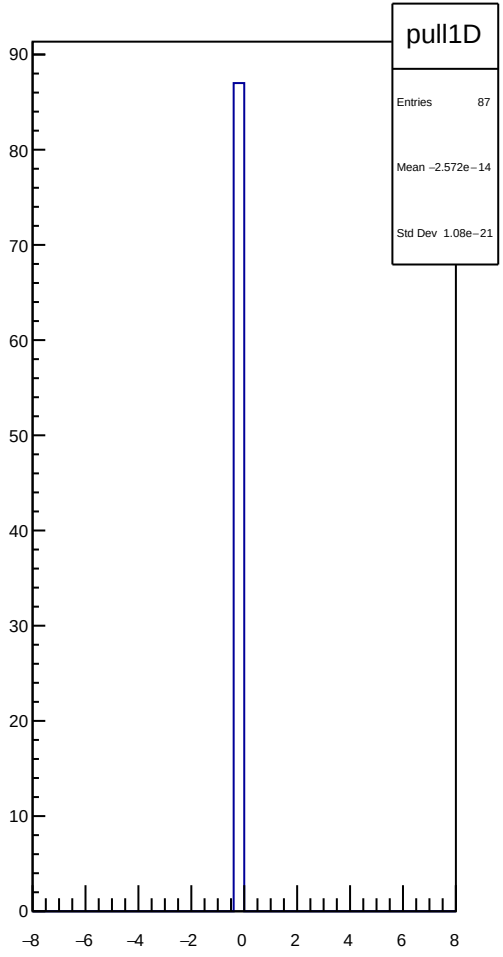

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.145e−26 / 86
p0 75.36 ± 1.195
85
80
75
70
65
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
0
−2
−4
−6
−8
−10
−12

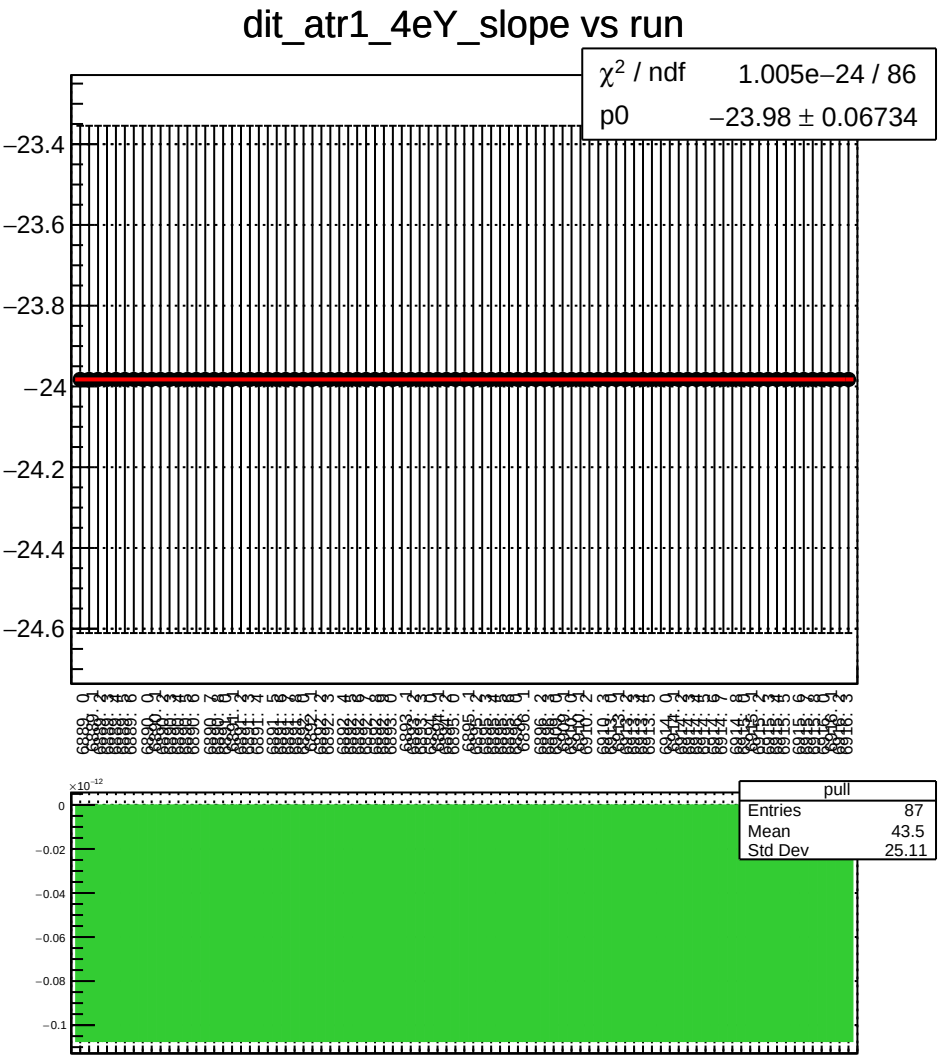

pull1D
Entries 87
Mean −1.147e−14
Std Dev 3.348e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

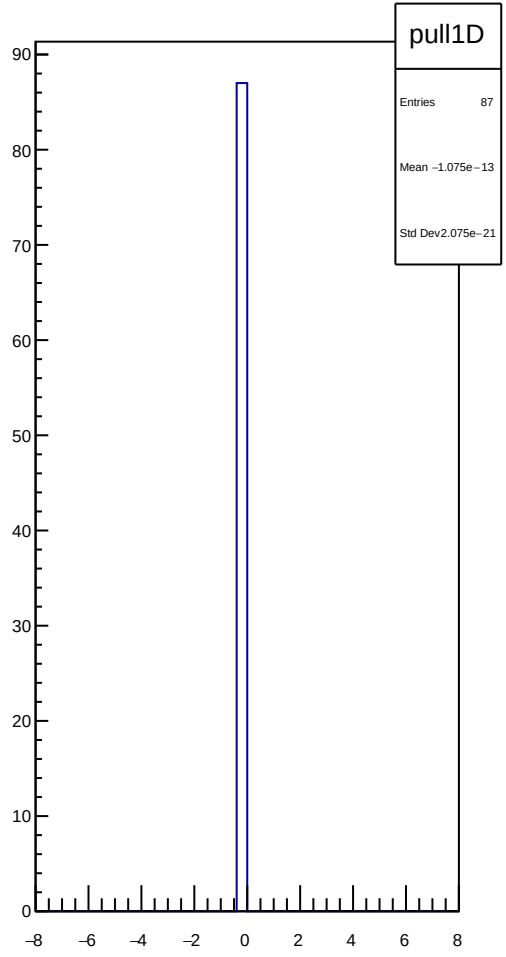

dit_atr1_11X12X_slope vs run
χ^2 / ndf 1.588e−25 / 86
p0 −16.06 ± 0.08023
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

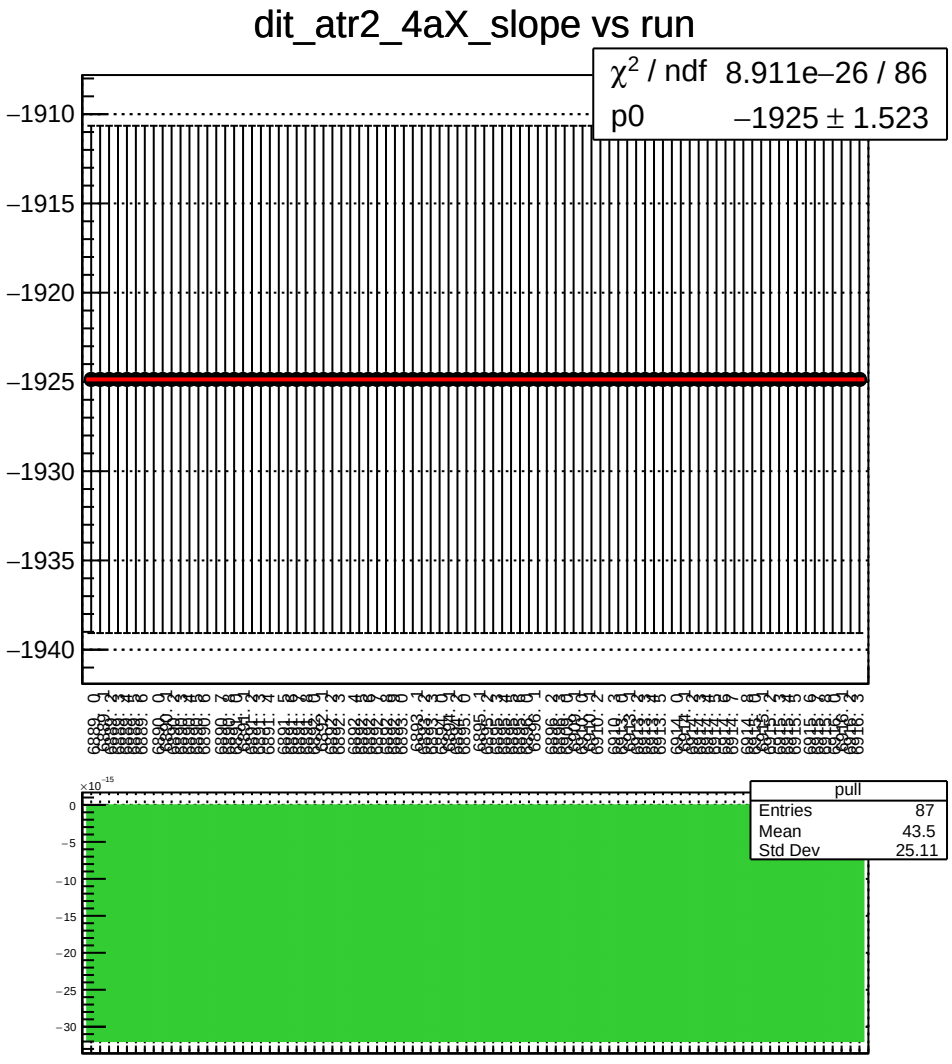

pull1D
Entries 87
Mean −4.273e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

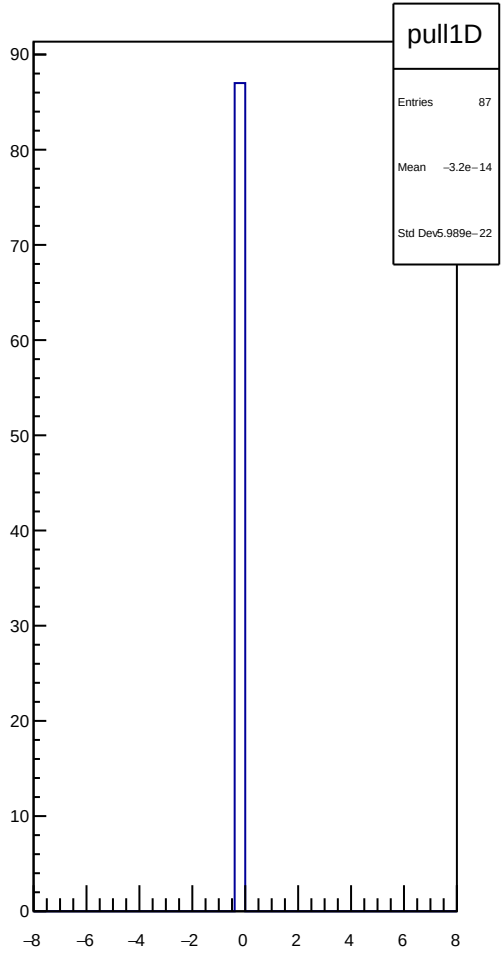

dit_atr1_4aY_slope vs run
χ² / ndf 5.757e−26 / 86
p0 12.67 ± 0.06663
13.4
13.2
13
12.8
12.6
12.4
12.2
12
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
−25

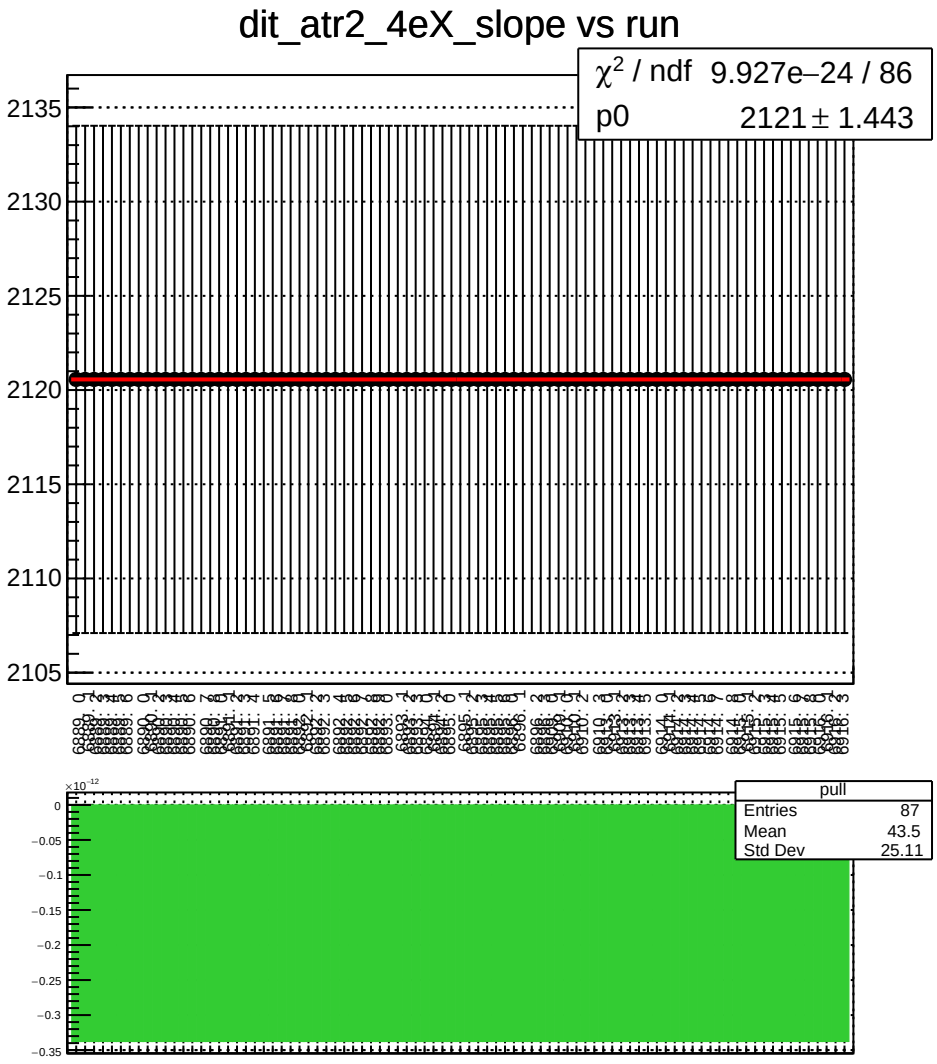

pull1D
Entries 87
Mean −2.572e−14
Std Dev 1.08e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

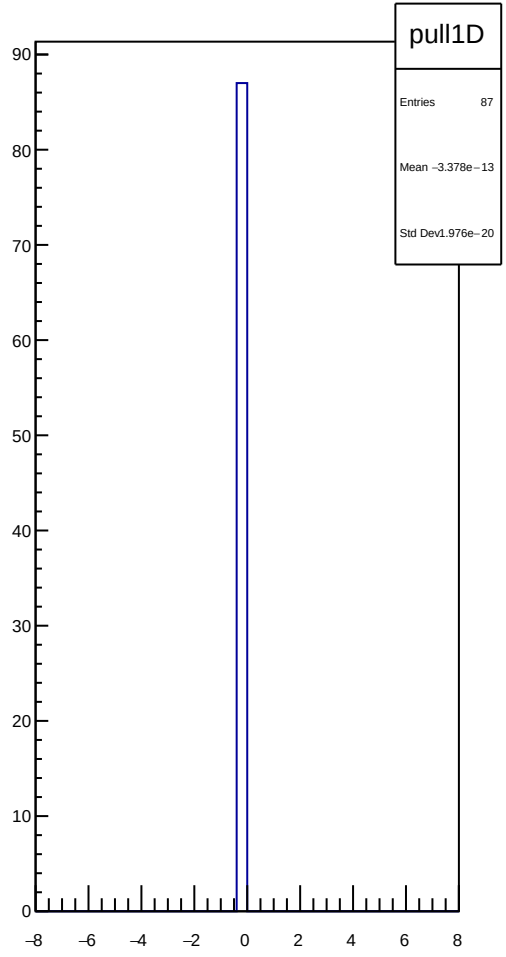

dit_atr1_4eY_slope vs run
χ^2 / ndf 1.005e−24 / 86
p0 −23.98 ± 0.06734
−23.4
−23.6
−23.8
−24
−24.2
−24.4
−24.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1

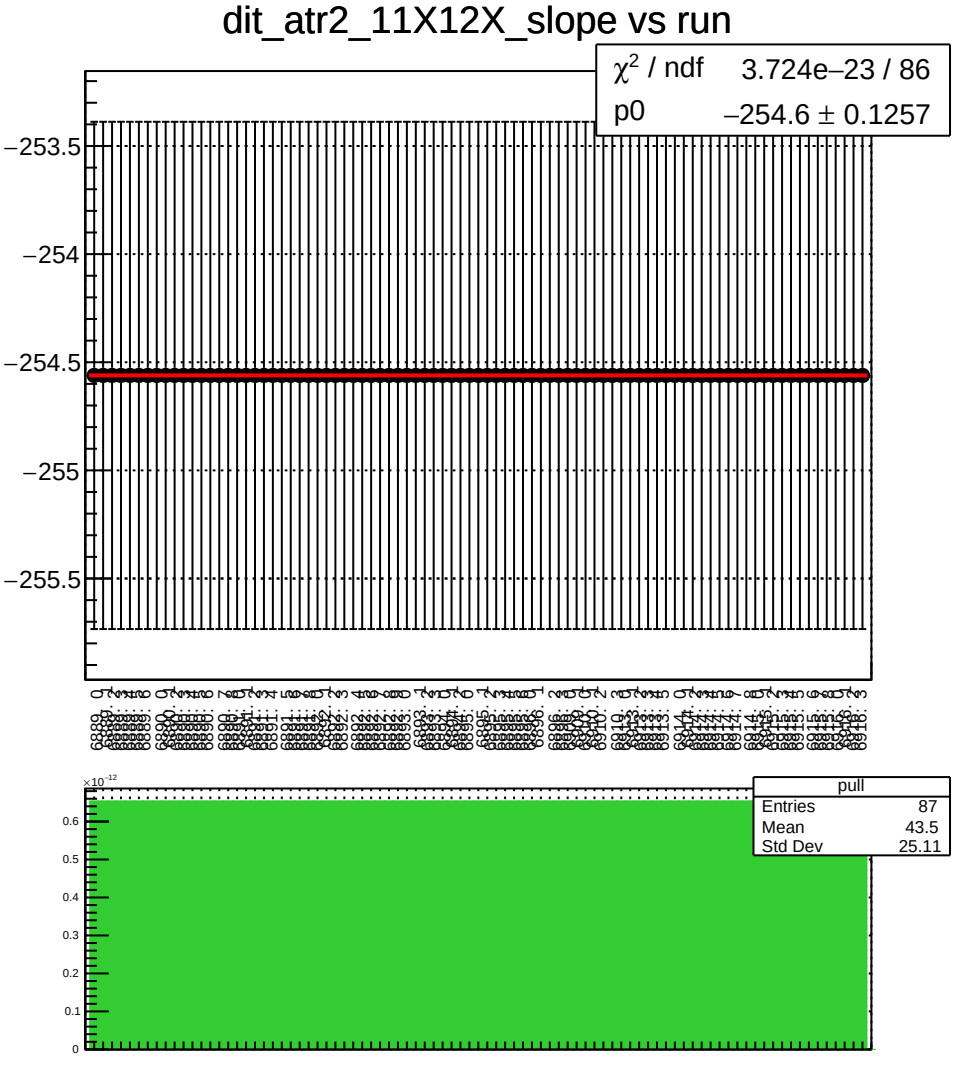

pull1D
Entries 87
Mean −1.075e−13
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

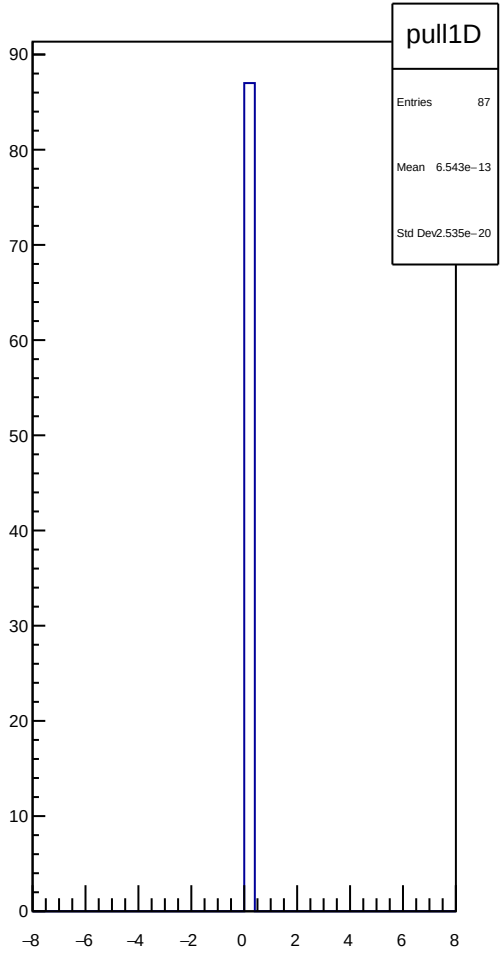

dit_atr2_4aX_slope vs run
χ^2 / ndf 8.911e−26 / 86
p0 −1925 ± 1.523
−1910
−1915
−1920
−1925
−1930
−1935
−1940
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−5
−10
−15
−20
−25
−30

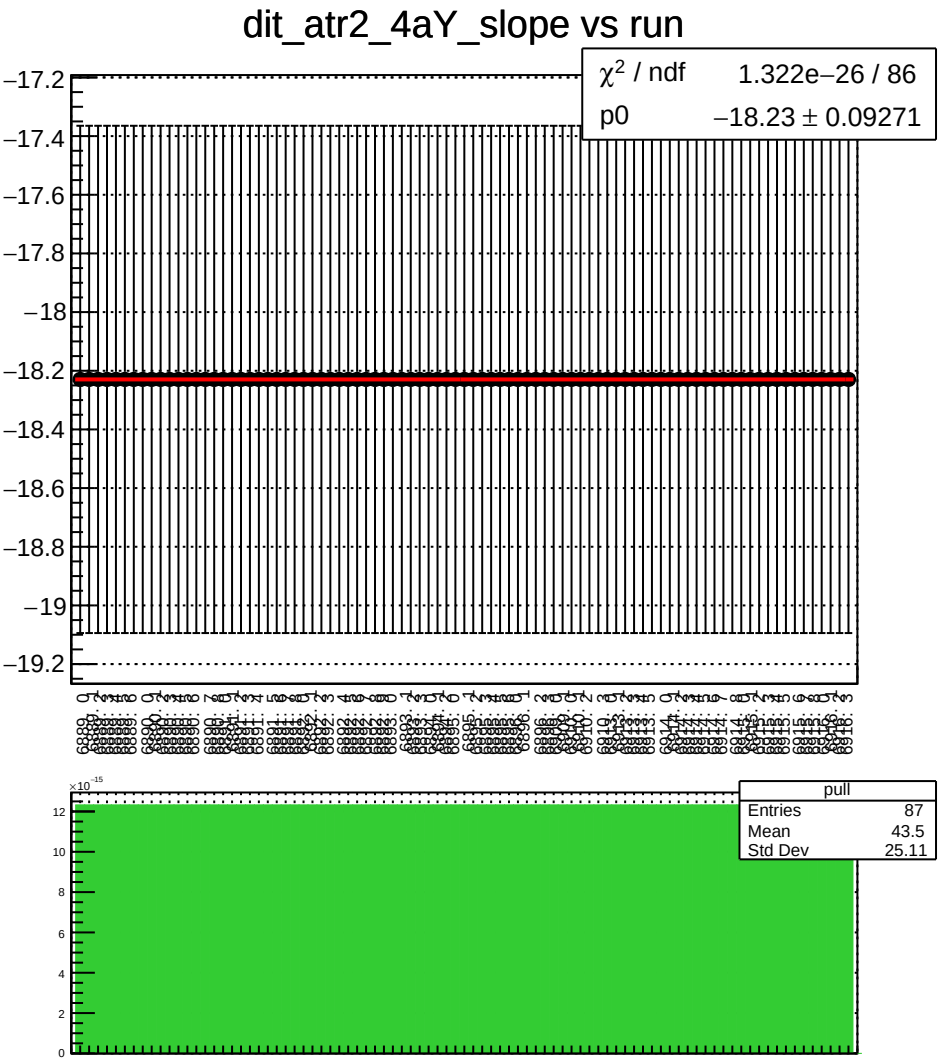

pull1D
Entries 87
Mean −3.2e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

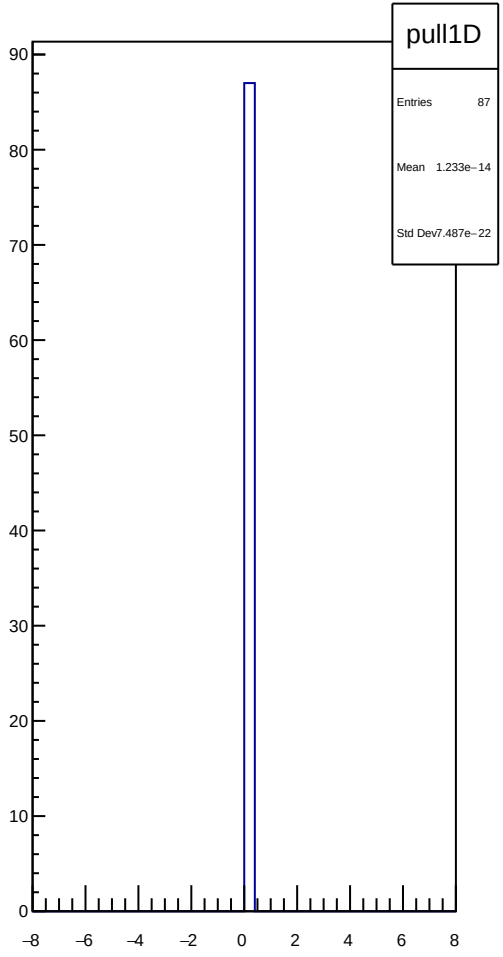

dit_atr2_4eX_slope vs run
χ^2 / ndf 9.927e−24 / 86
p0 2121 ± 1.443
2135
2130
2125
2120
2115
2110
2105
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

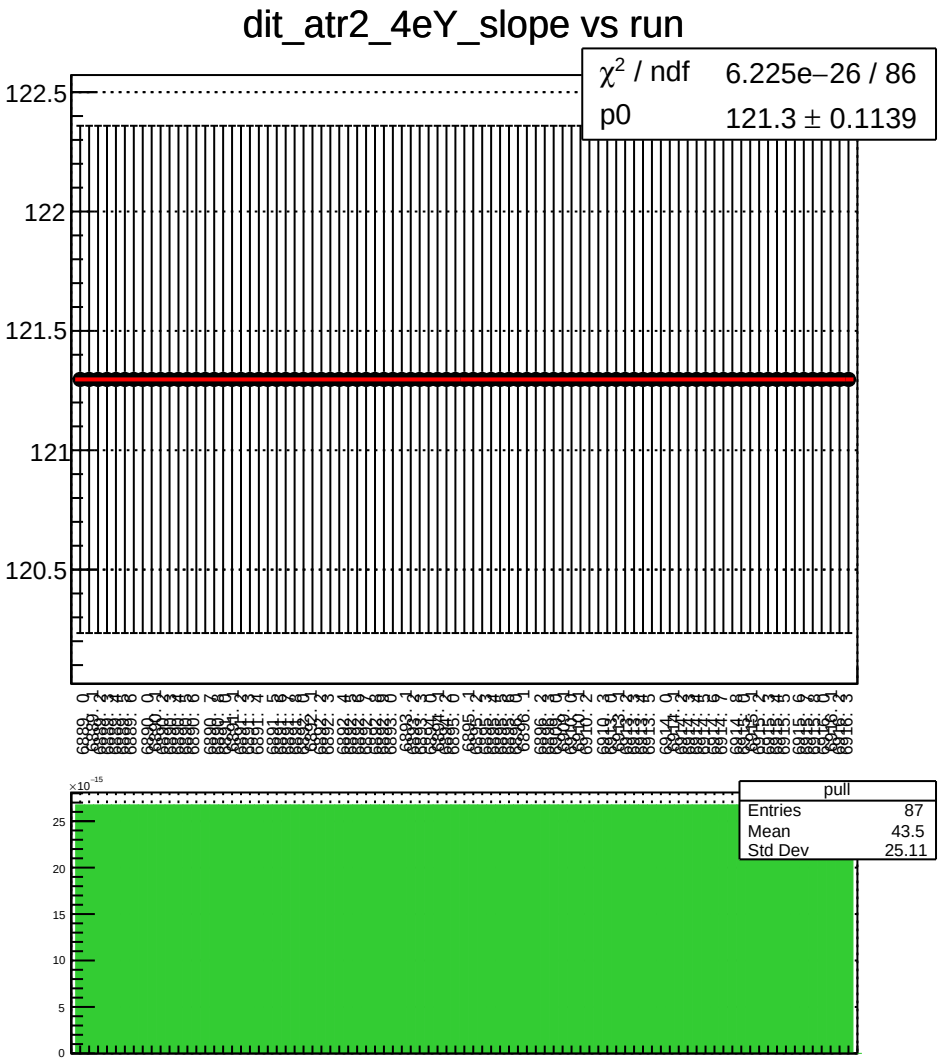

pull1D
Entries 87
Mean −3.378e−13
Std Dev 1.976e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

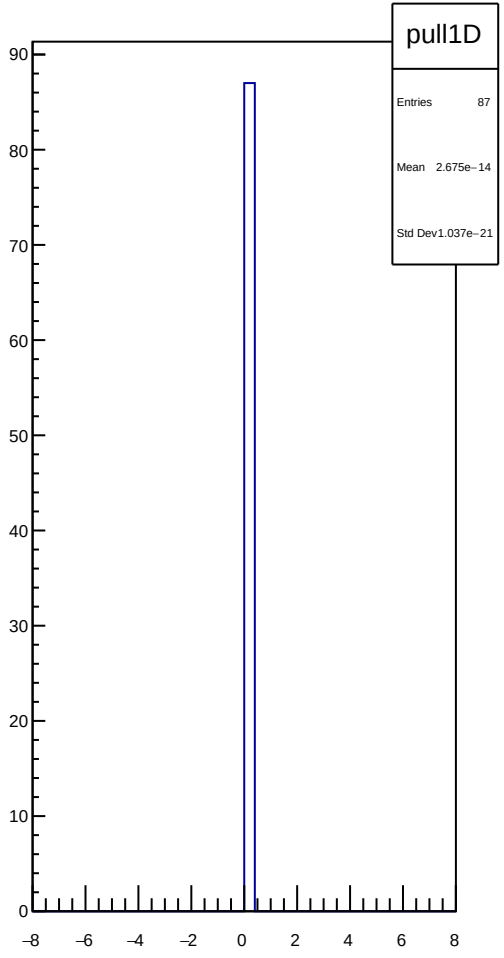

dit_atr2_11X12X_slope vs run
χ^2 / ndf 3.724e−23 / 86
p0 −254.6 ± 0.1257
−253.5
−254
−254.5
−255
−255.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.6
0.5
0.4
0.3
0.2
0.1
0

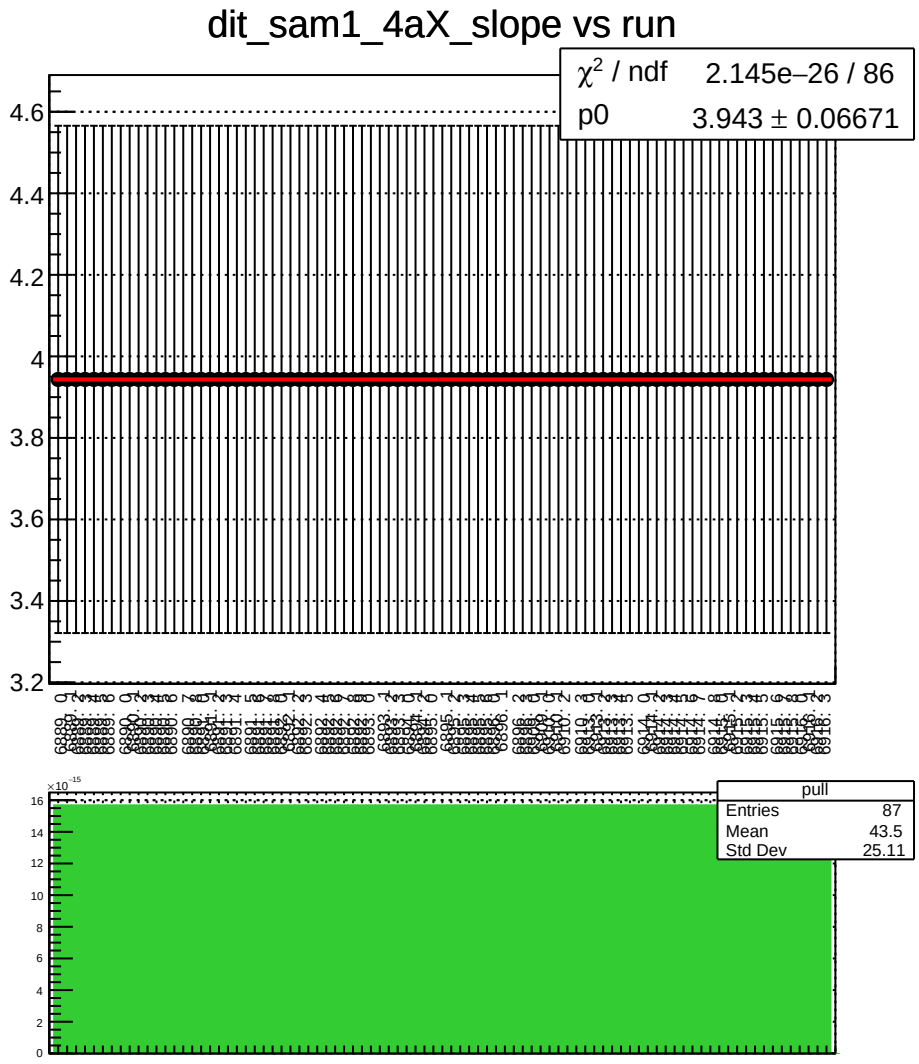

pull1D
Entries 87
Mean 6.543e−13
Std Dev 2.535e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

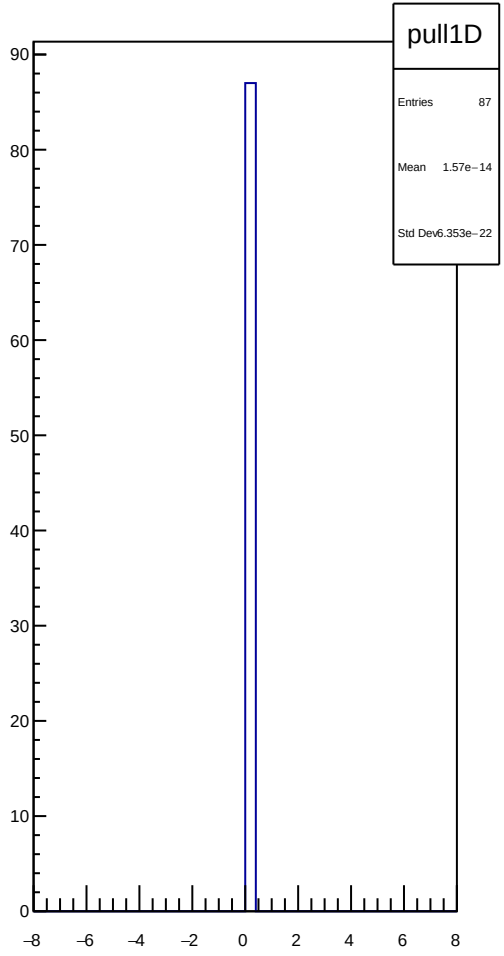

dit_atr2_4aY_slope vs run
χ² / ndf 1.322e−26 / 86
p0 −18.23 ± 0.09271
pull
Entries 87
Mean 43.5
Std Dev 25.11

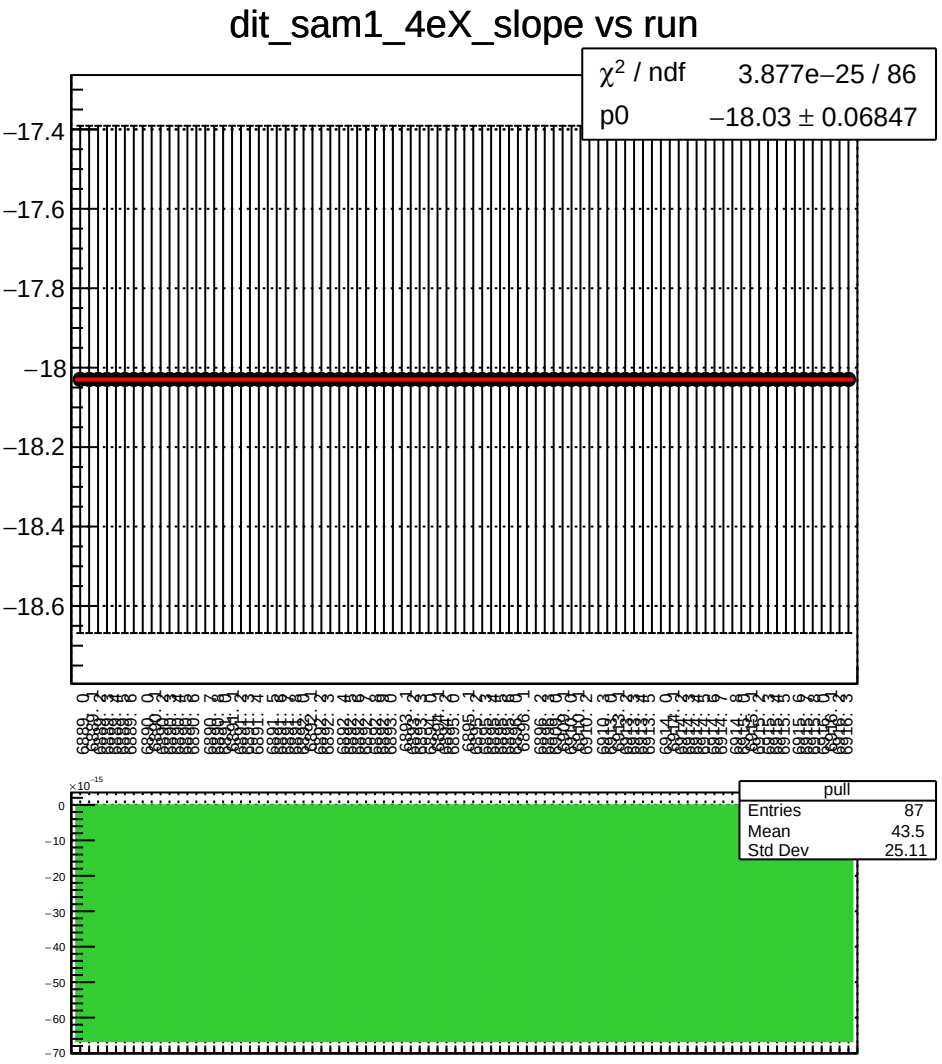

pull1D
Entries 87
Mean 1.233e−14
Std Dev 7.487e−22

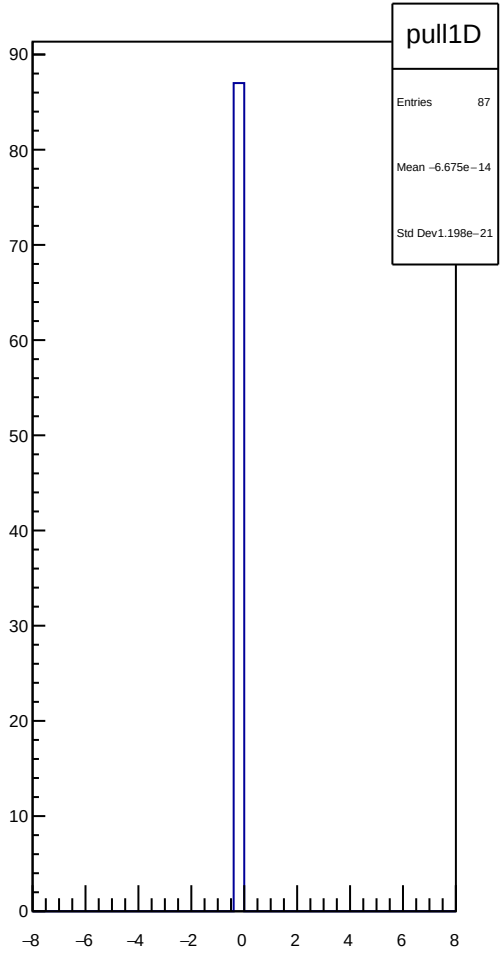

dit_atr2_4eY_slope vs run
χ^2 / ndf 6.225e−26 / 86
p0 121.3 ± 0.1139
122.5
122
121.5
121
120.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
25
20
15
10
5
0

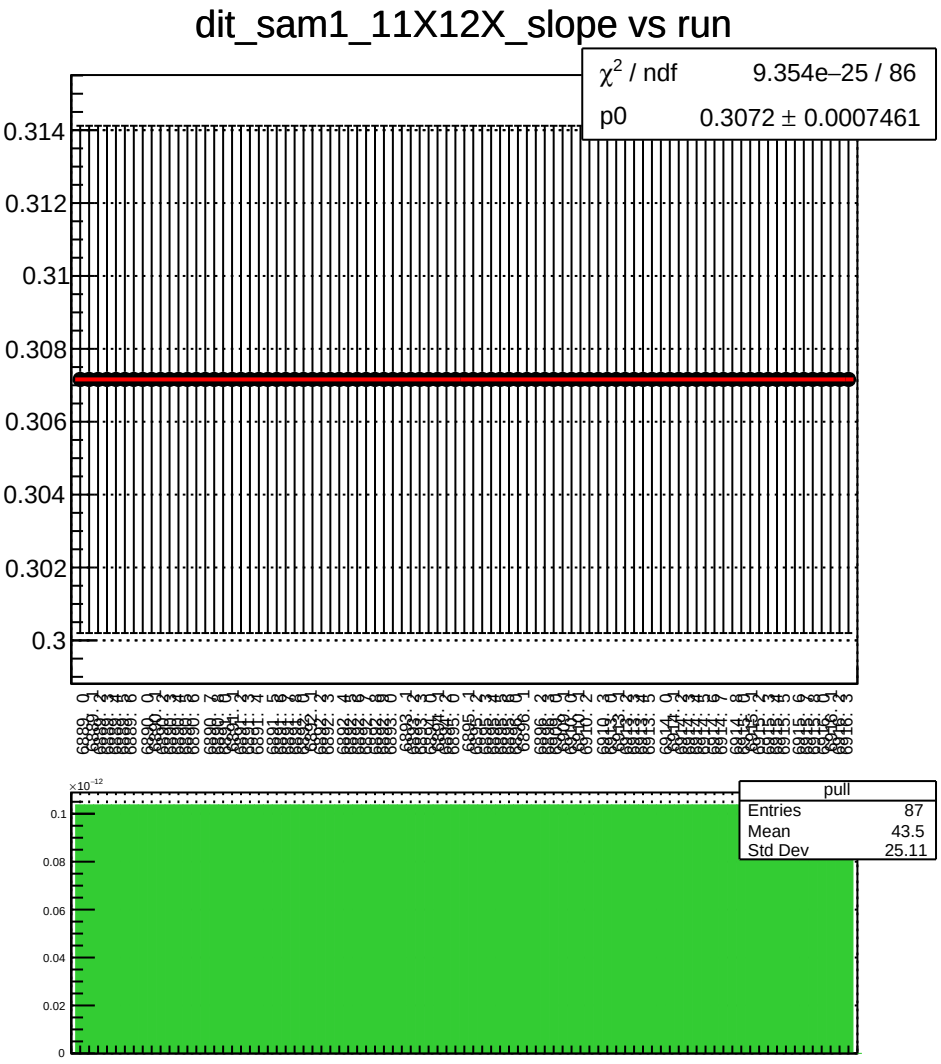

pull1D
Entries 87
Mean 2.675e−14
Std Dev 1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

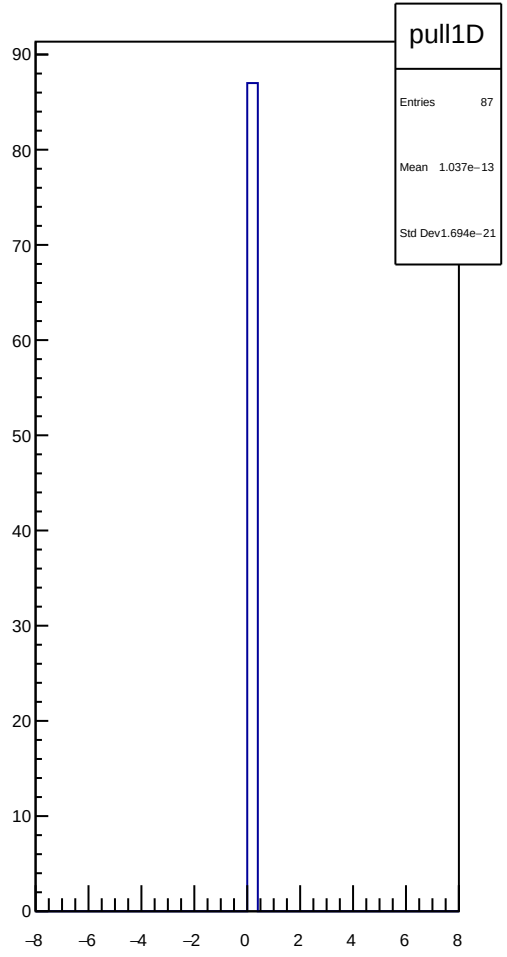

dit_sam1_4aX_slope vs run
χ^2 / ndf 2.145e−26 / 86
p0 3.943 ± 0.06671
pull
Entries 87
Mean 43.5
Std Dev 25.11

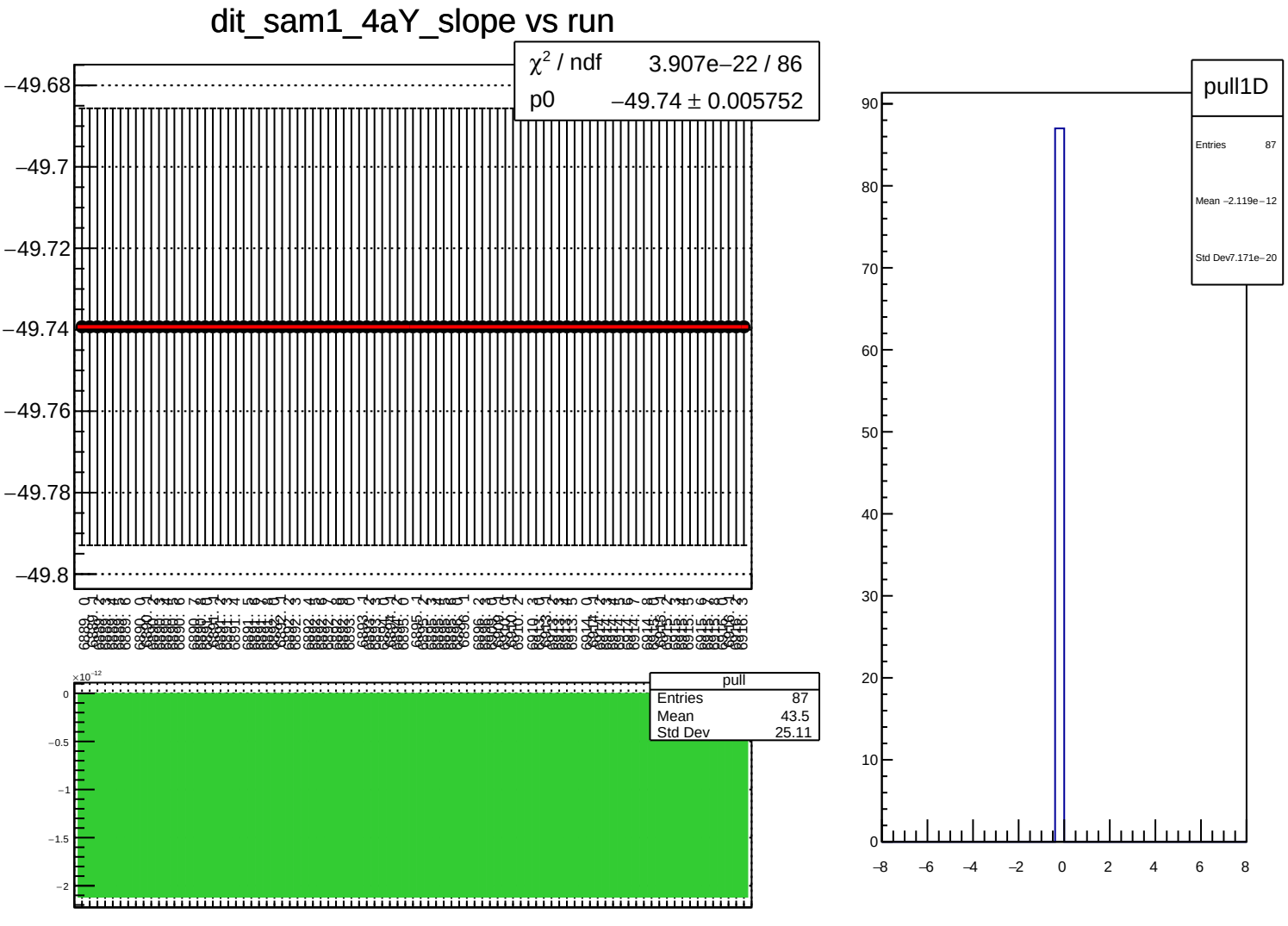

pull1D
Entries 87
Mean 1.57e−14
Std Dev 6.353e−22

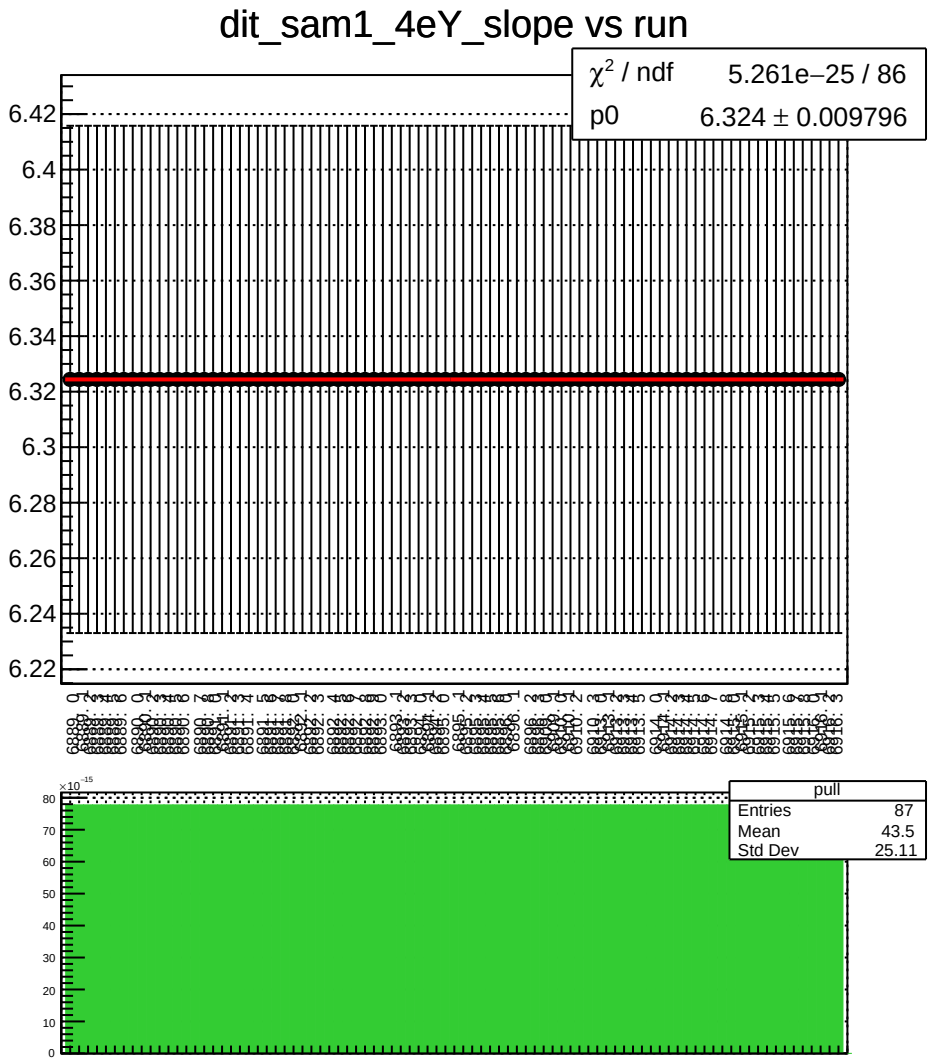

dit_sam1_4eX_slope vs run
χ^2 / ndf 3.877e−25 / 86
p0 −18.03 ± 0.06847
−17.4
−17.6
−17.8
−18
−18.2
−18.4
−18.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

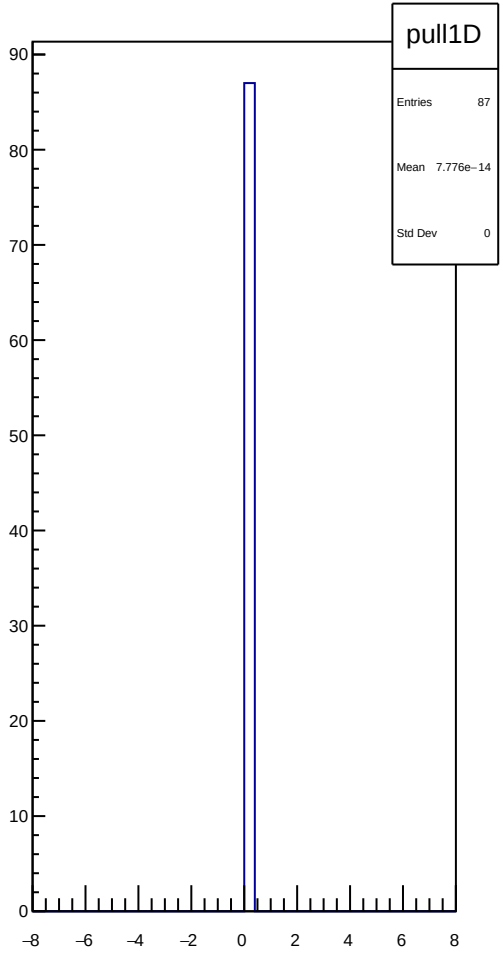

pull1D
Entries 87
Mean −6.675e−14
Std Dev 1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

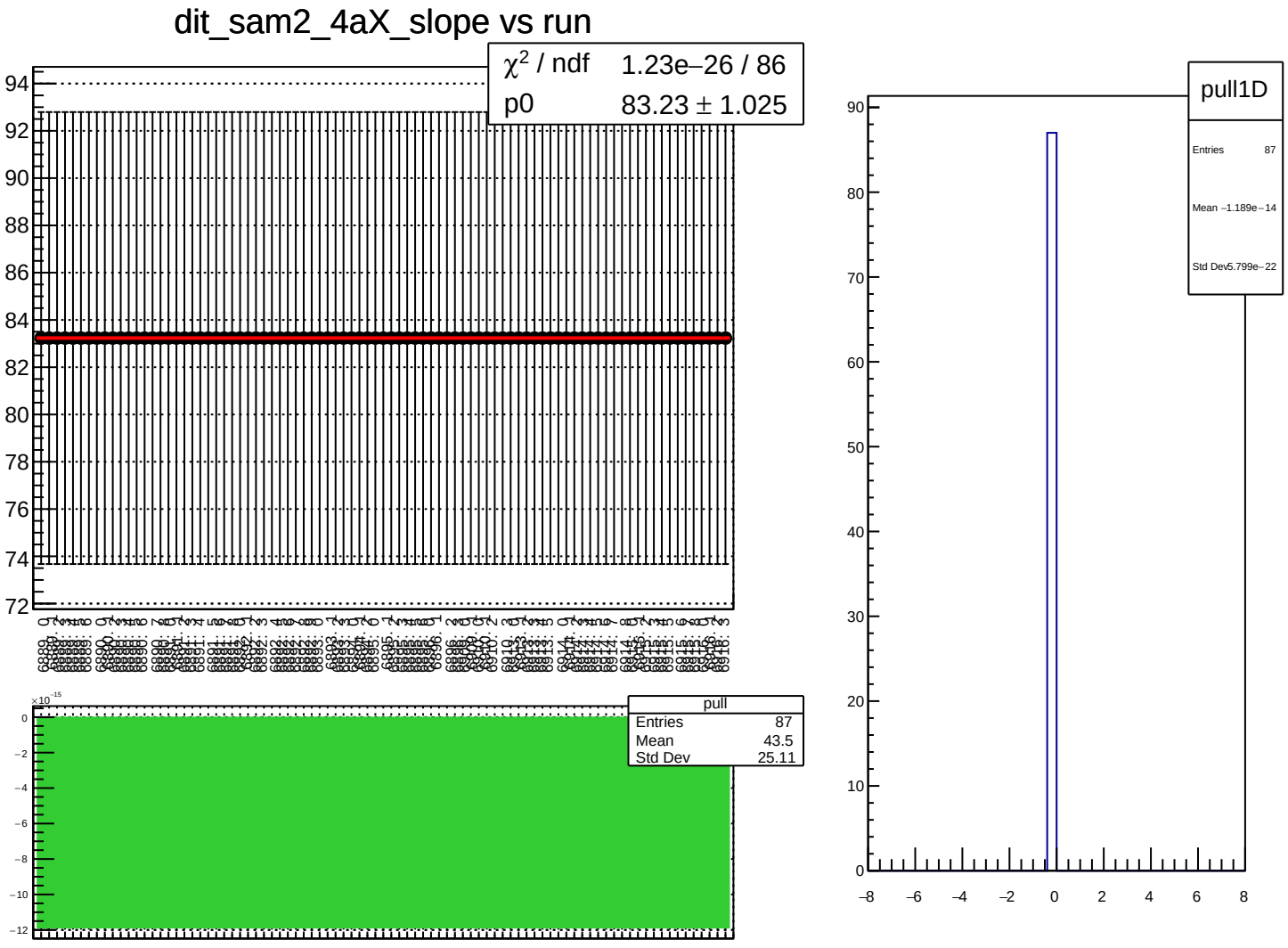

dit_sam1_11X12X_slope vs run
χ^2 / ndf 9.354e−25 / 86
p0 0.3072 ± 0.0007461
0.314
0.312
0.31
0.308
0.306
0.304
0.302
0.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.1
0.08
0.06
0.04
0.02
0

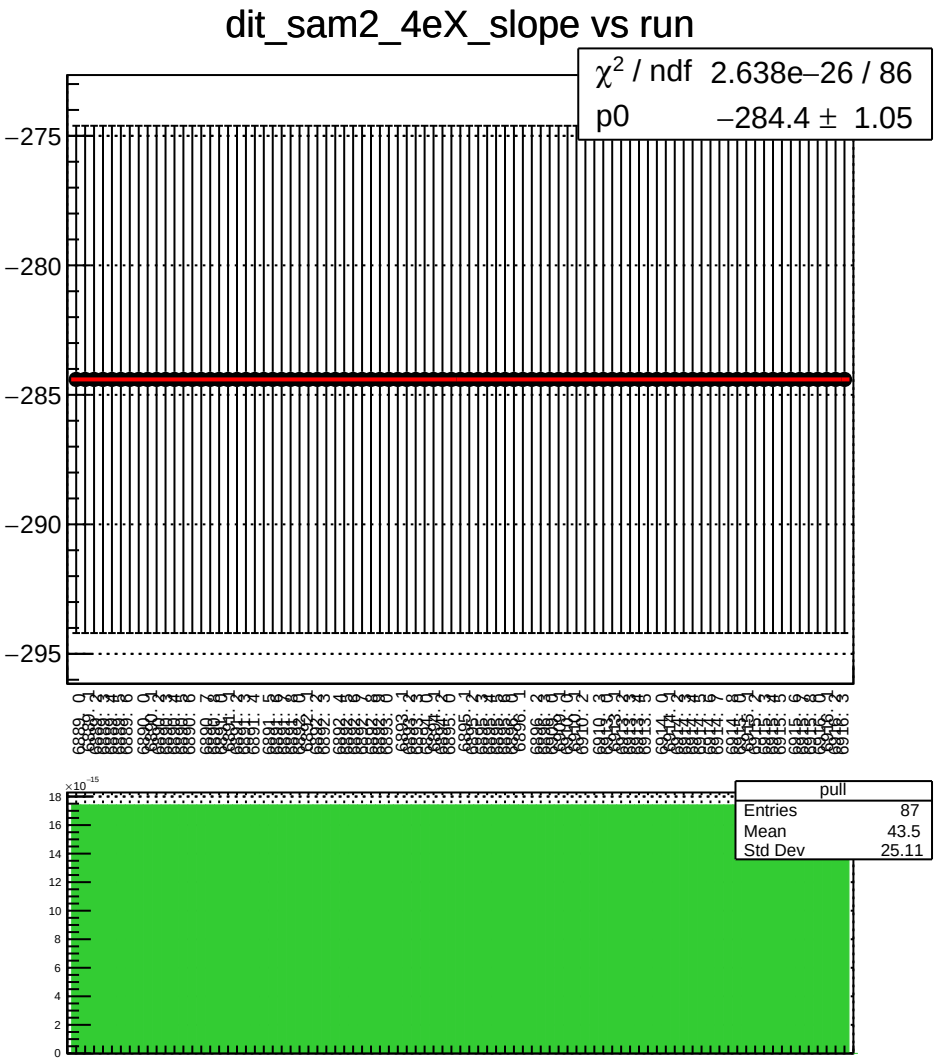

pull1D
Entries 87
Mean 1.037e−13
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

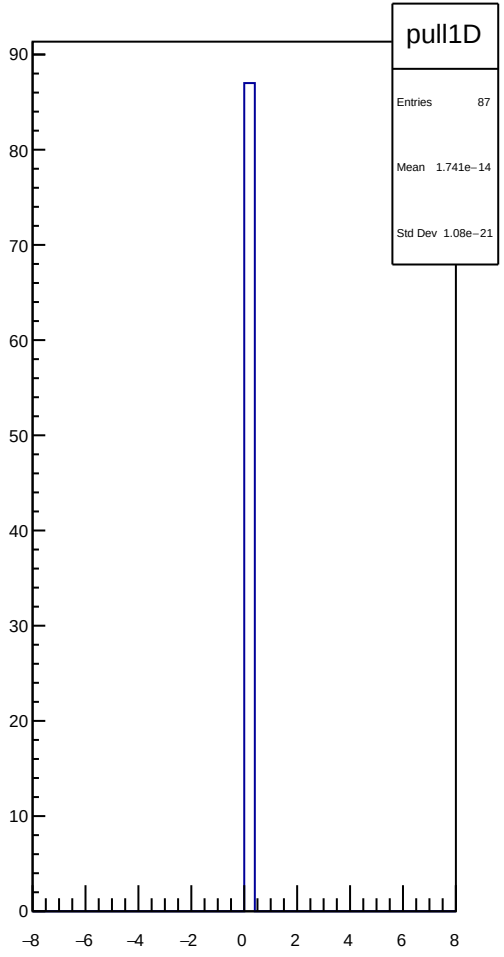

dit_sam1_4aY_slope vs run
χ² / ndf 3.907e−22 / 86
p0 −49.74 ± 0.005752
−49.68
−49.7
−49.72
−49.74
−49.76
−49.78
−49.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −2.119e−12
Std Dev 7.171e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

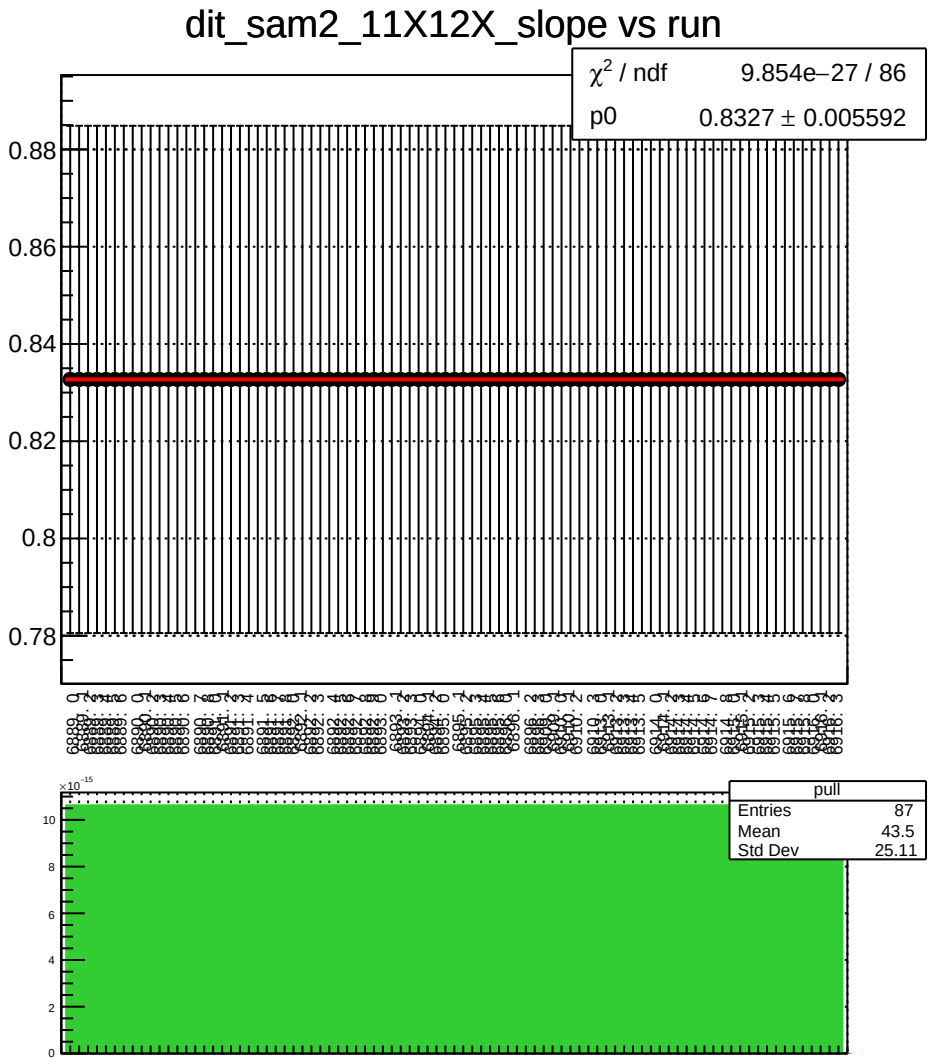

dit_sam1_4eY_slope vs run
χ^2 / ndf 5.261e−25 / 86
p0 6.324 ± 0.009796
pull
Entries 87
Mean 43.5
Std Dev 25.11

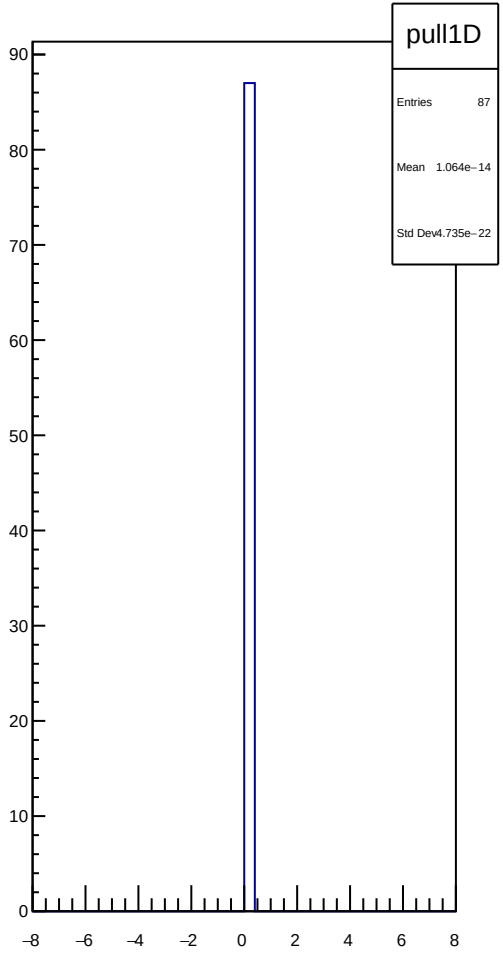

pull1D
Entries 87
Mean 7.776e−14
Std Dev 0

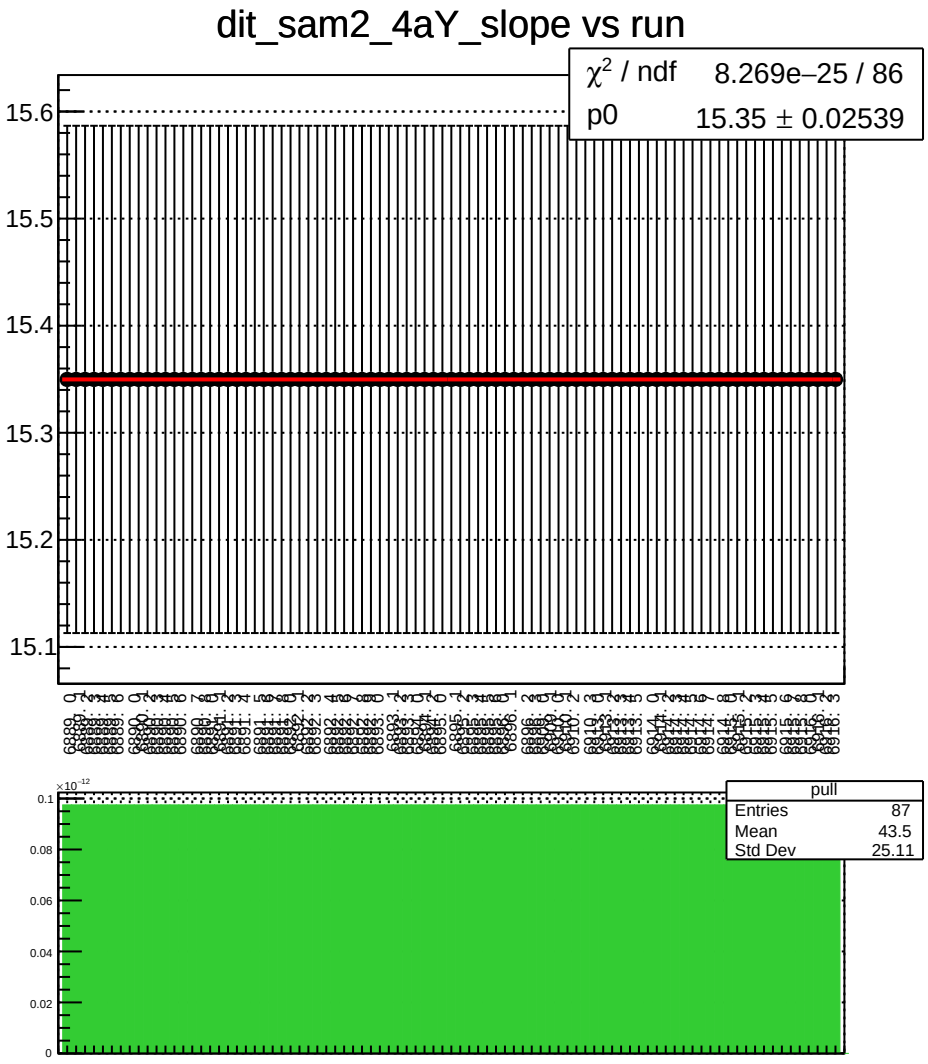

dit_sam2_4aX_slope vs run
χ² / ndf 1.23e−26 / 86
p0 83.23 ± 1.025
94
92
90
88
86
84
82
80
78
76
74
72
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 87
Mean −1.189e−14
Std Dev 5.799e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

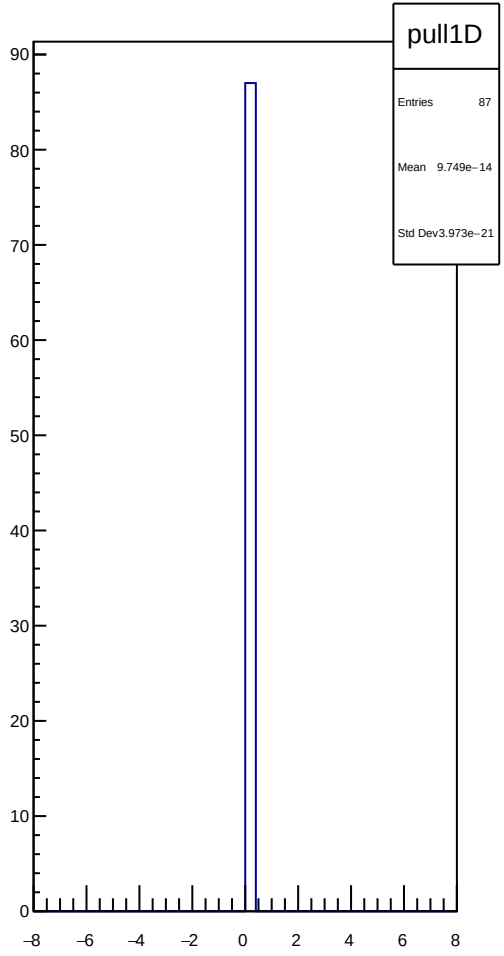

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.638e−26 / 86
p0 −284.4 ± 1.05
−275
−280
−285
−290
−295
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
18
16
14
12
10
8
6
4
2
0

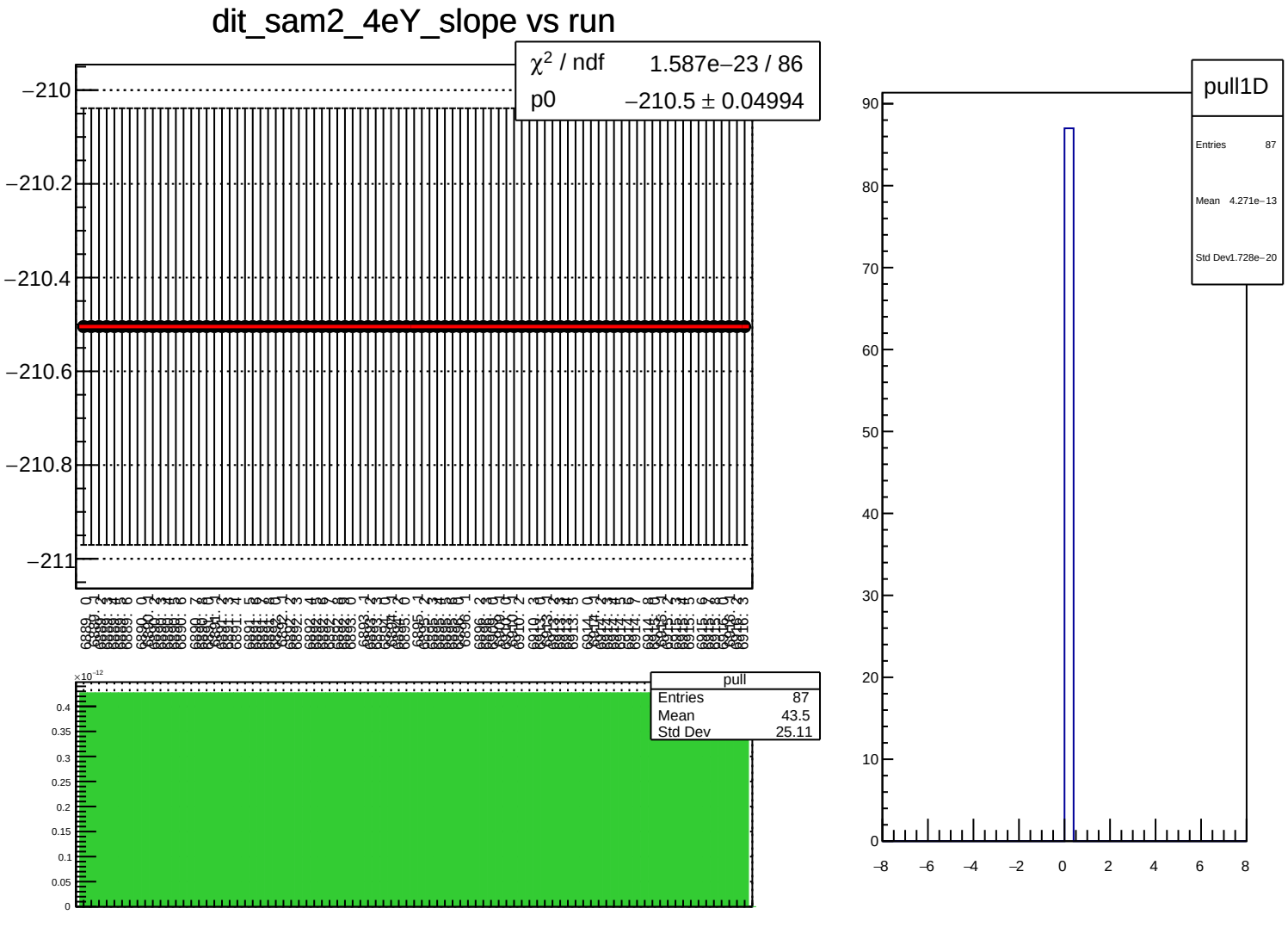

pull1D
Entries 87
Mean 1.741e−14
Std Dev 1.08e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

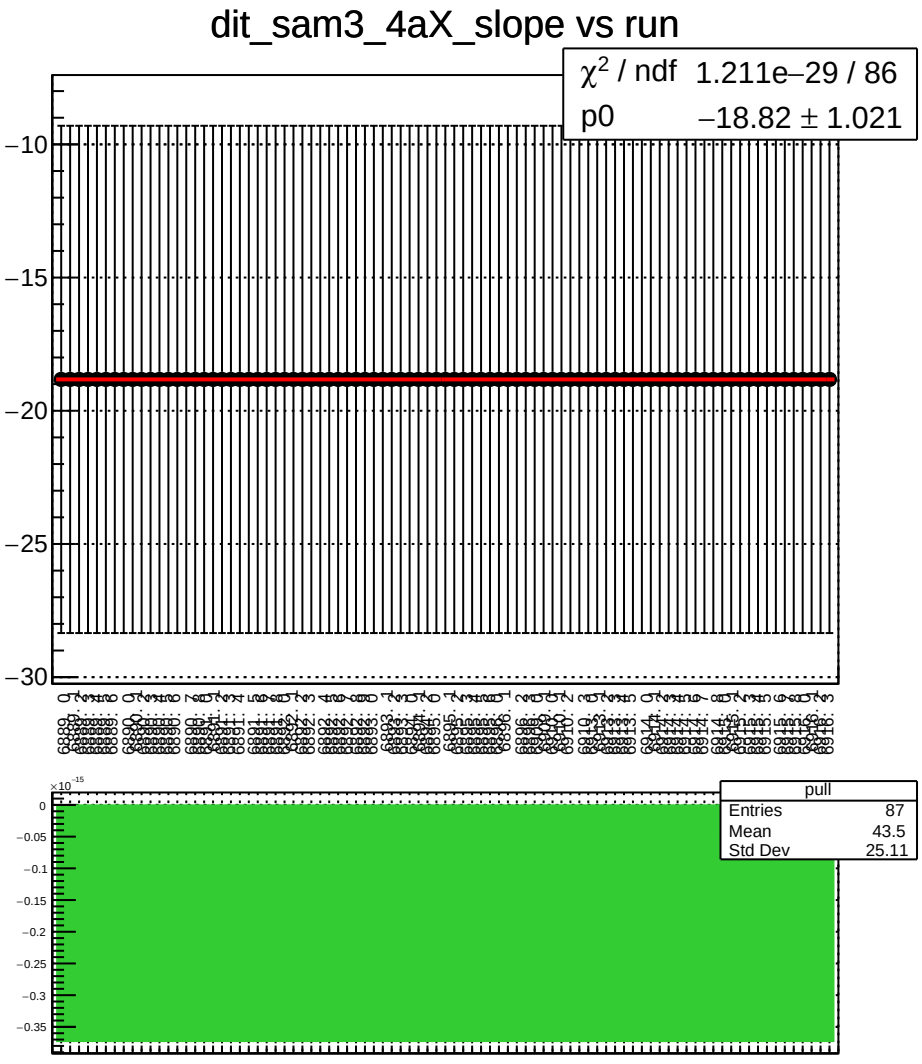

dit_sam2_11X12X_slope vs run
χ^2 / ndf 9.854e−27 / 86
p0 0.8327 ± 0.005592
0.88
0.86
0.84
0.82
0.8
0.78
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
10
8
6
4
2
0

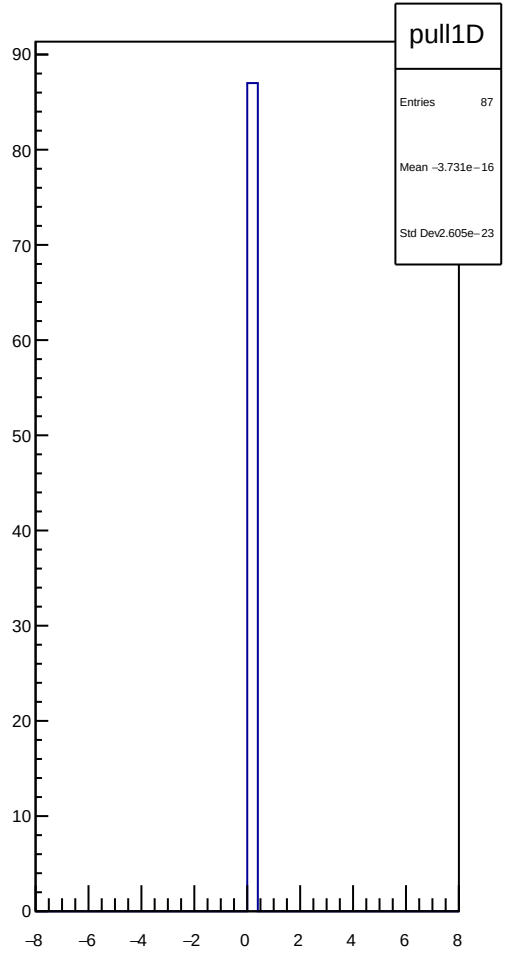

pull1D
Entries 87
Mean 1.064e−14
Std Dev4.735e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

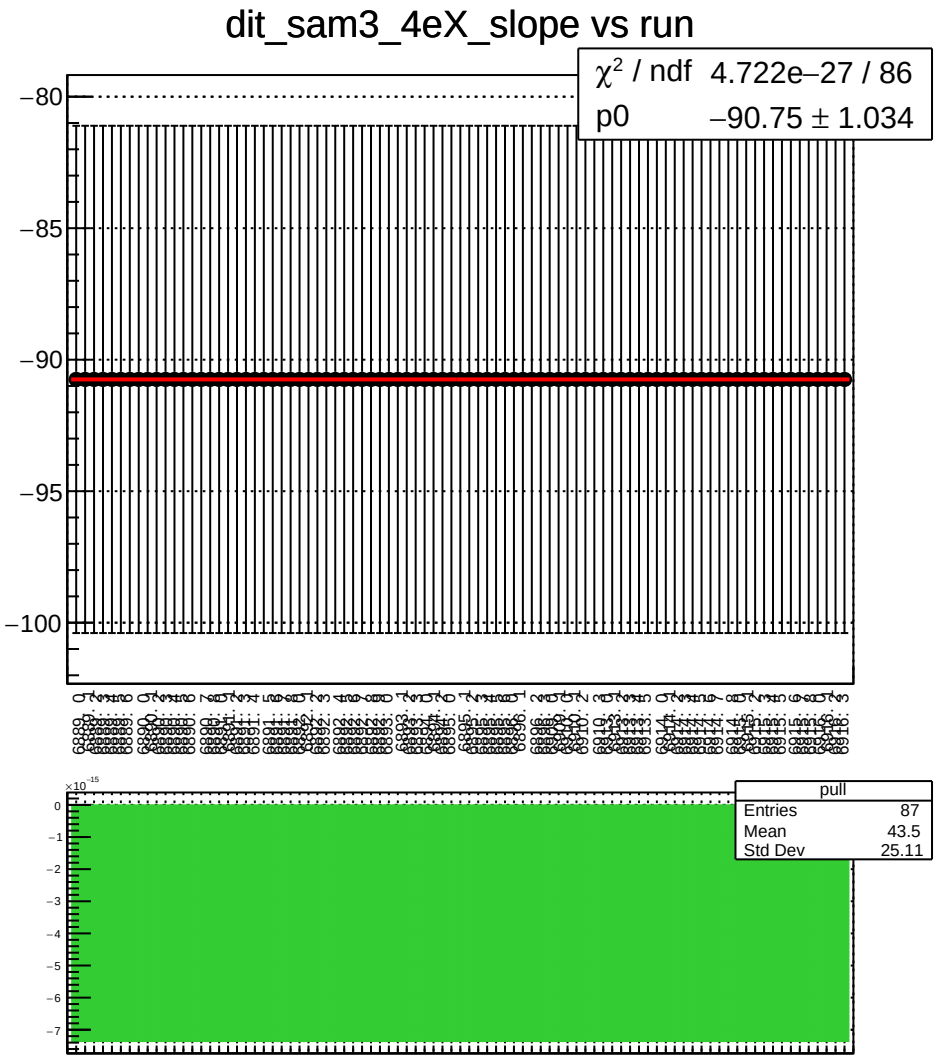

dit_sam2_4aY_slope vs run
χ^2 / ndf 8.269e−25 / 86
p0 15.35 ± 0.02539
15.6
15.5
15.4
15.3
15.2
15.1
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

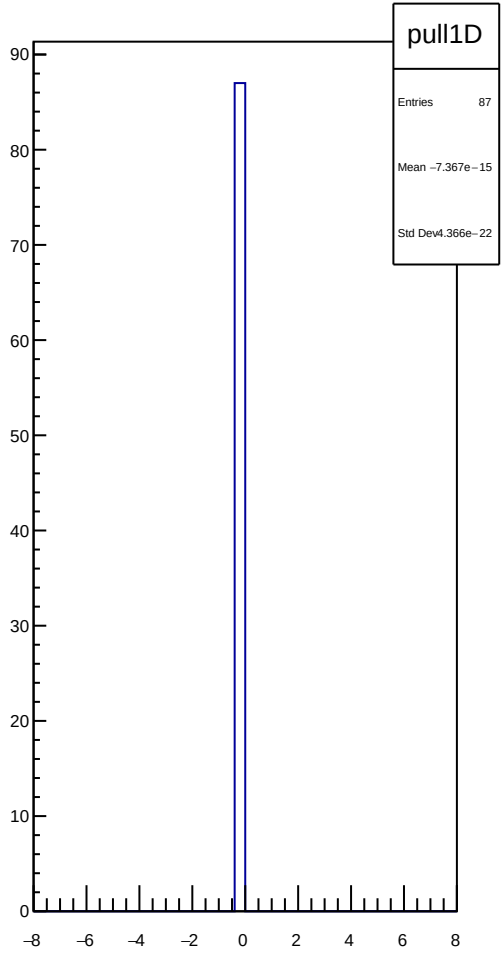

pull1D
Entries 87
Mean 9.749e−14
Std Dev 3.973e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

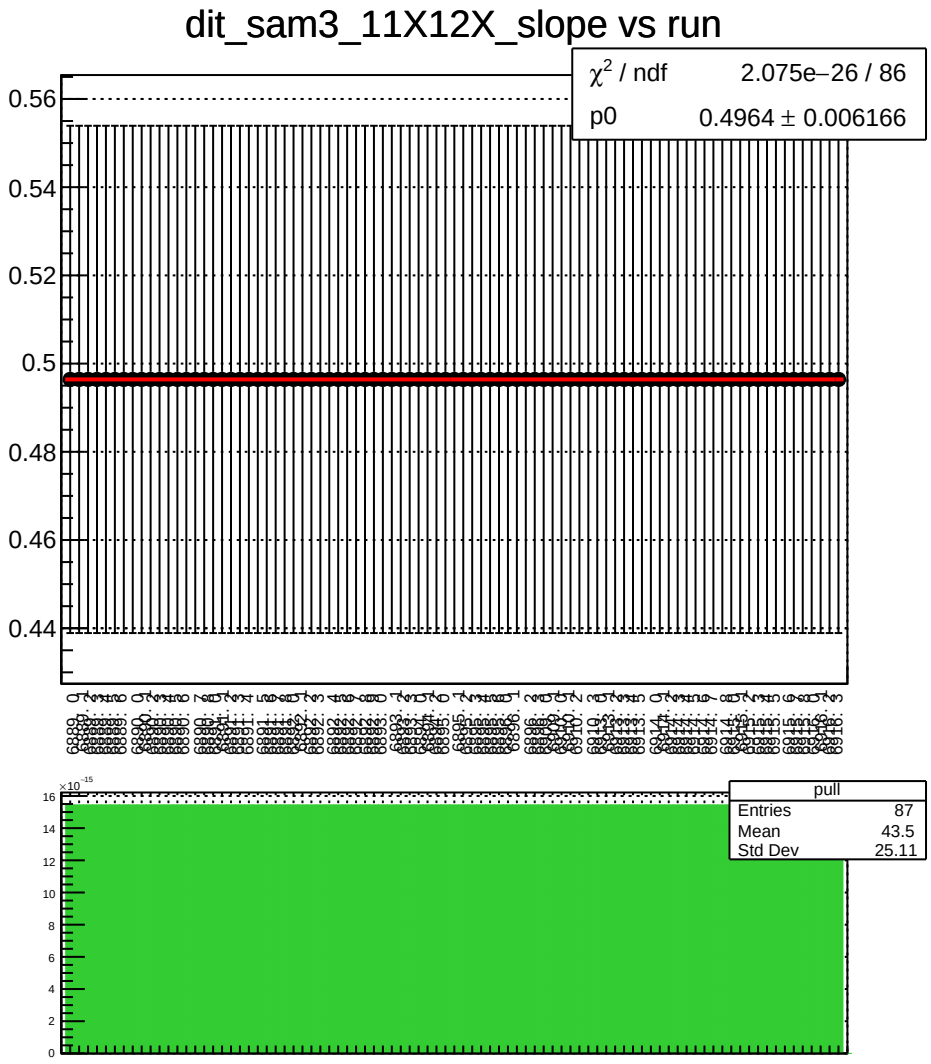

dit_sam2_4eY_slope vs run
χ² / ndf 1.587e−23 / 86
p0 −210.5 ± 0.04994
−210
−210.2
−210.4
−210.6
−210.8
−211
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 87
Mean 4.271e−13
Std Dev 1.728e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

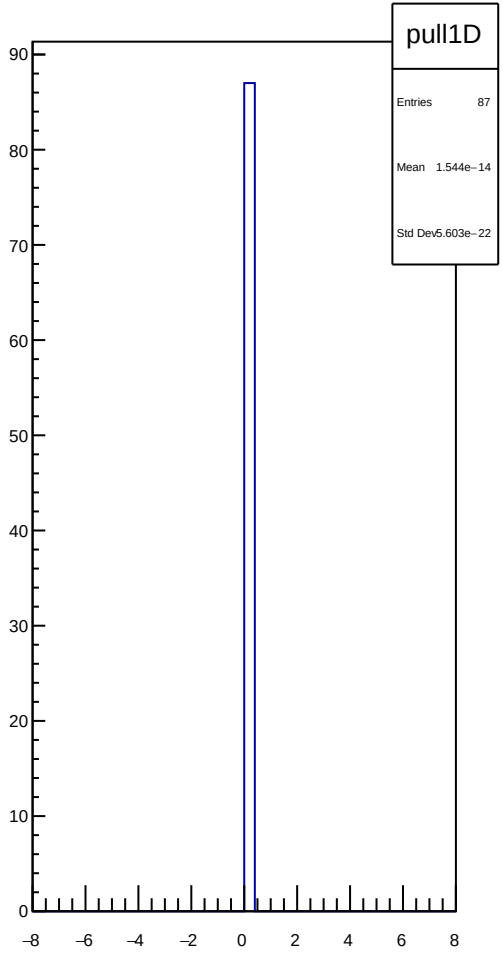

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.211e−29 / 86
p0 −18.82 ± 1.021
−10
−15
−20
−25
−30
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

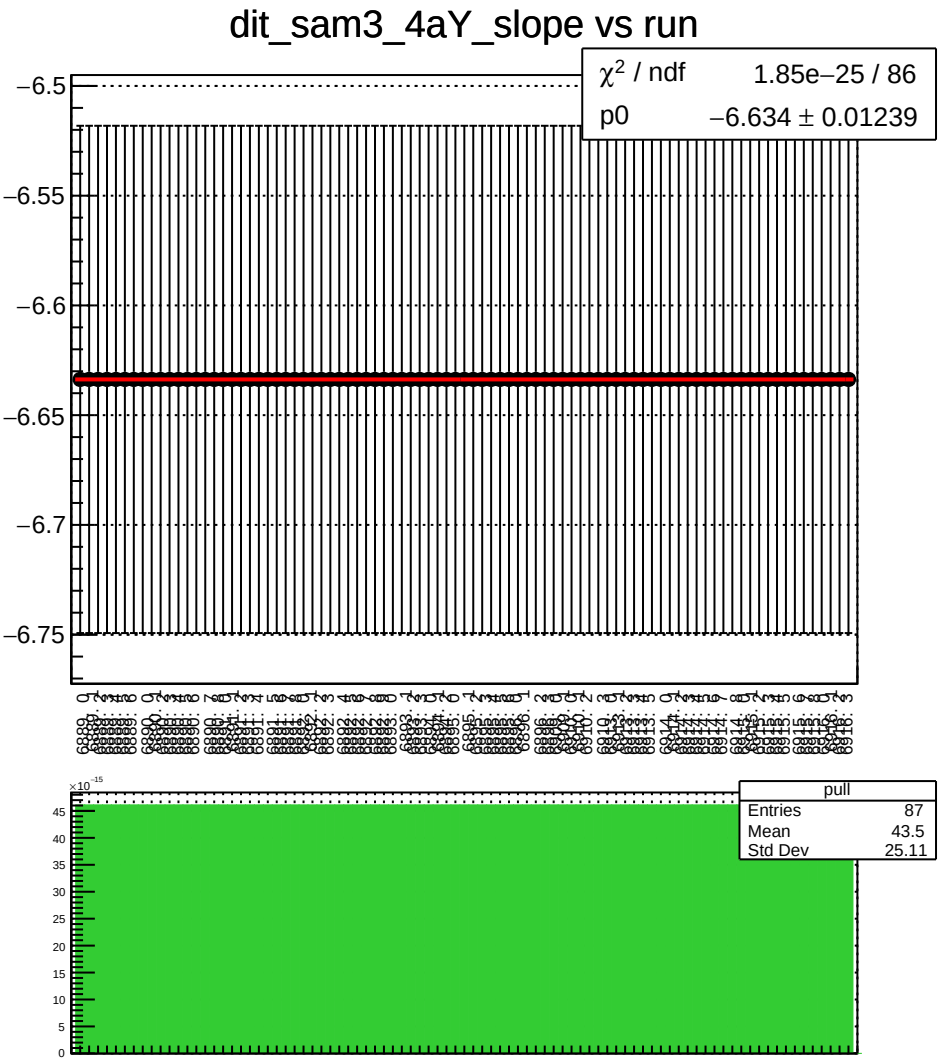

pull1D
Entries 87
Mean −3.731e−16
Std Dev 2.605e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

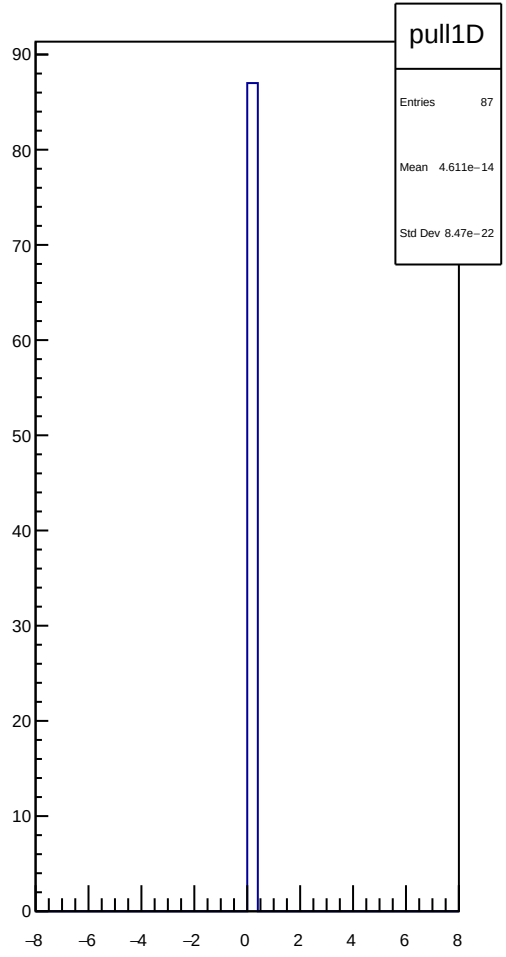

dit_sam3_4eX_slope vs run
χ² / ndf 4.722e−27 / 86
p0 −90.75 ± 1.034
−80
−85
−90
−95
−100
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

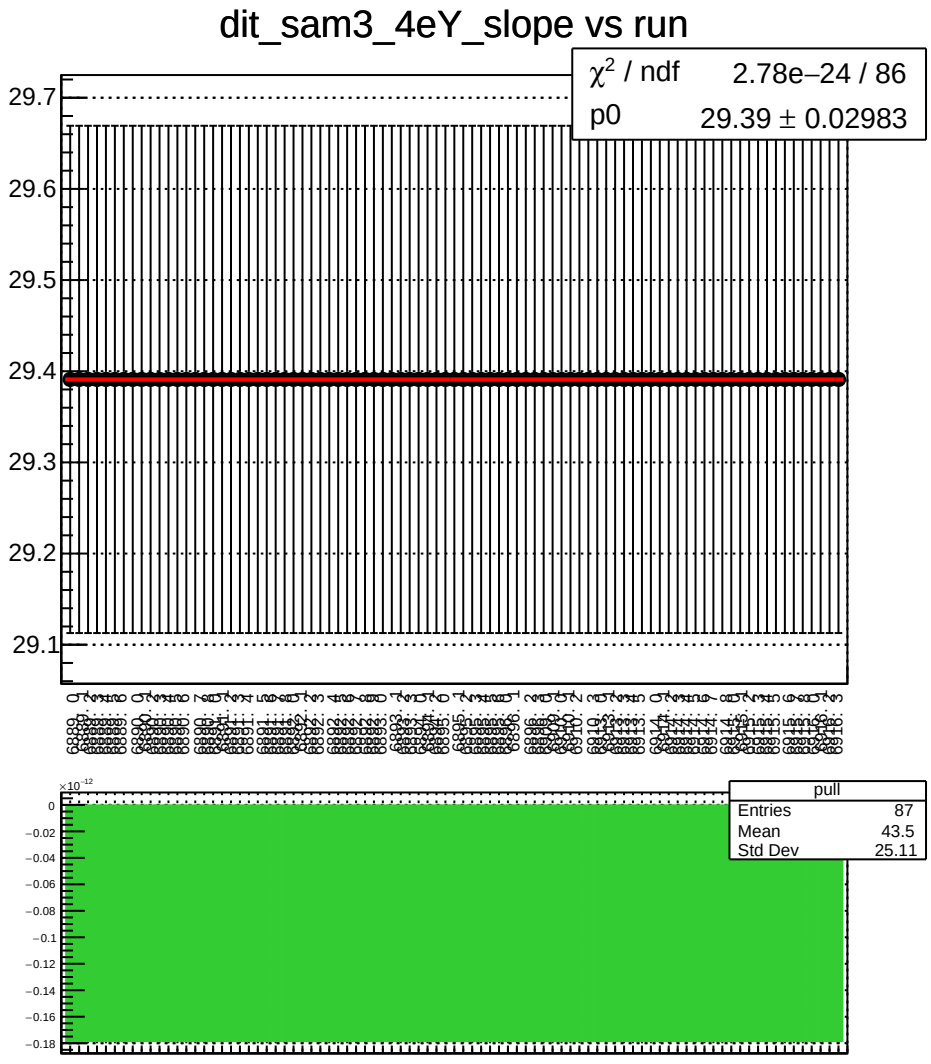

pull1D
Entries 87
Mean −7.367e−15
Std Dev4.366e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

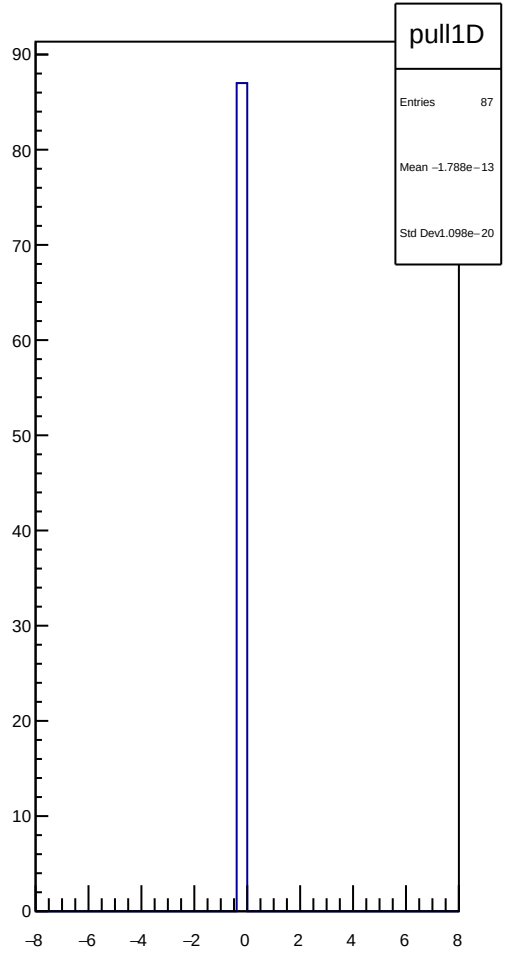

dit_sam3_11X12X_slope vs run
χ^2 / ndf 2.075e−26 / 86
p0 0.4964 ± 0.006166
0.56
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
16
14
12
10
8
6
4
2
0

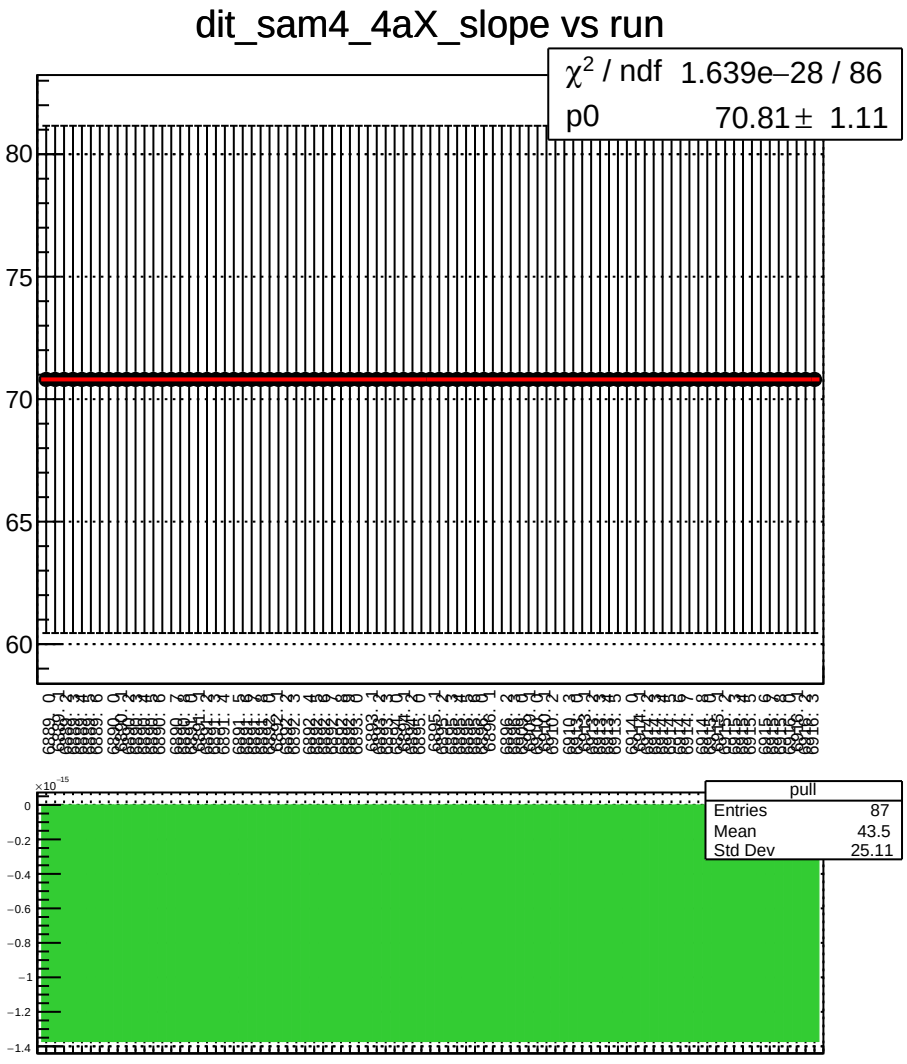

pull1D
Entries 87
Mean 1.544e−14
Std Dev 5.603e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

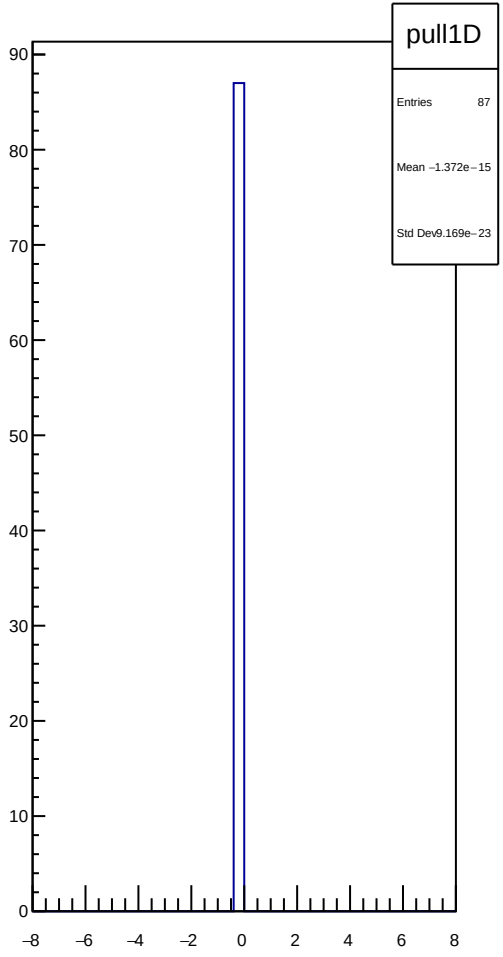

dit_sam3_4aY_slope vs run
χ² / ndf 1.85e−25 / 86
p0 −6.634 ± 0.01239
−6.5
−6.55
−6.6
−6.65
−6.7
−6.75
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

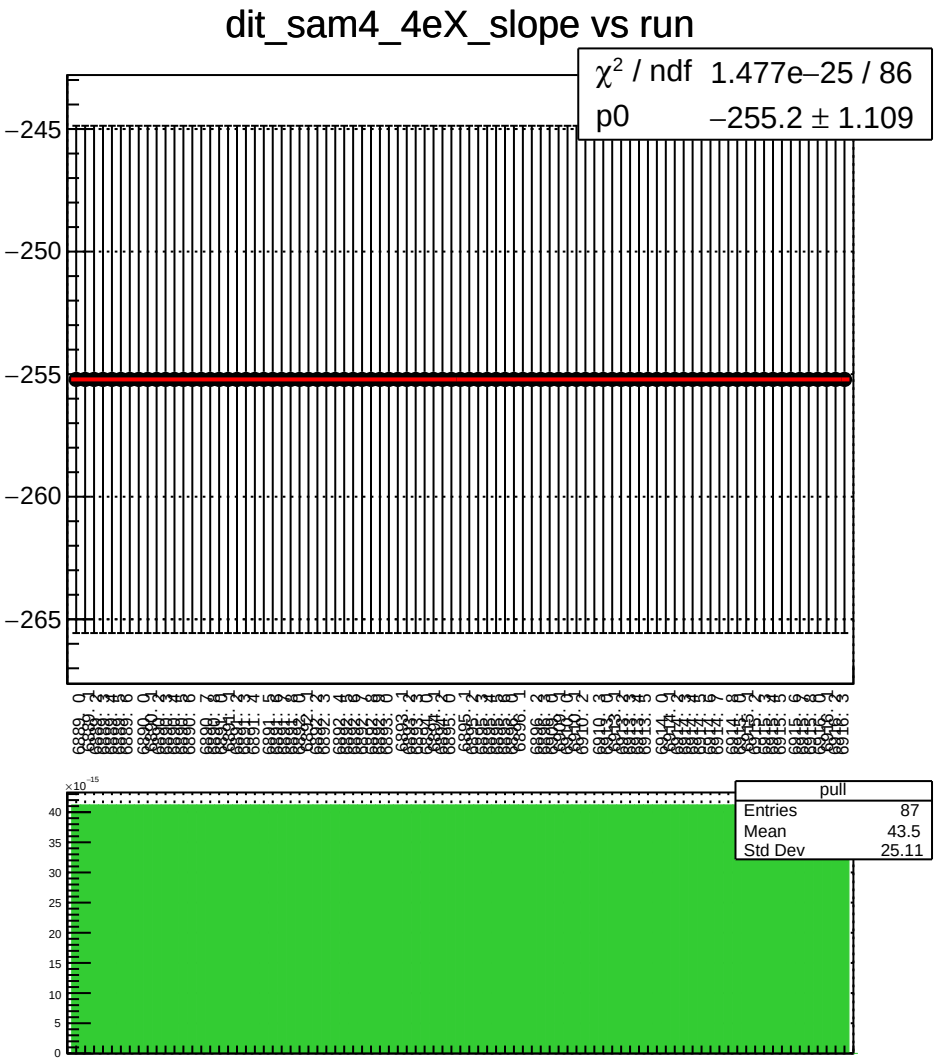

pull1D
Entries 87
Mean 4.611e−14
Std Dev 8.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

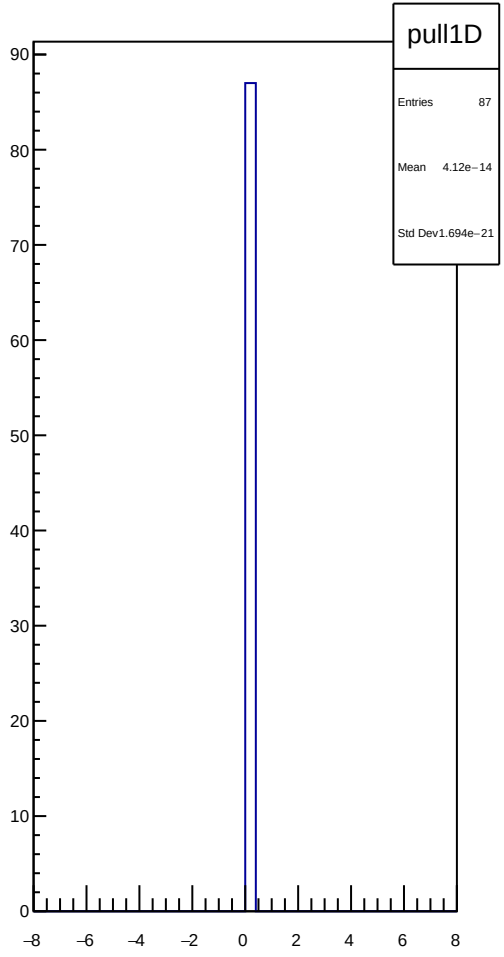

dit_sam3_4eY_slope vs run
χ² / ndf 2.78e−24 / 86
p0 29.39 ± 0.02983
29.7
29.6
29.5
29.4
29.3
29.2
29.1
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

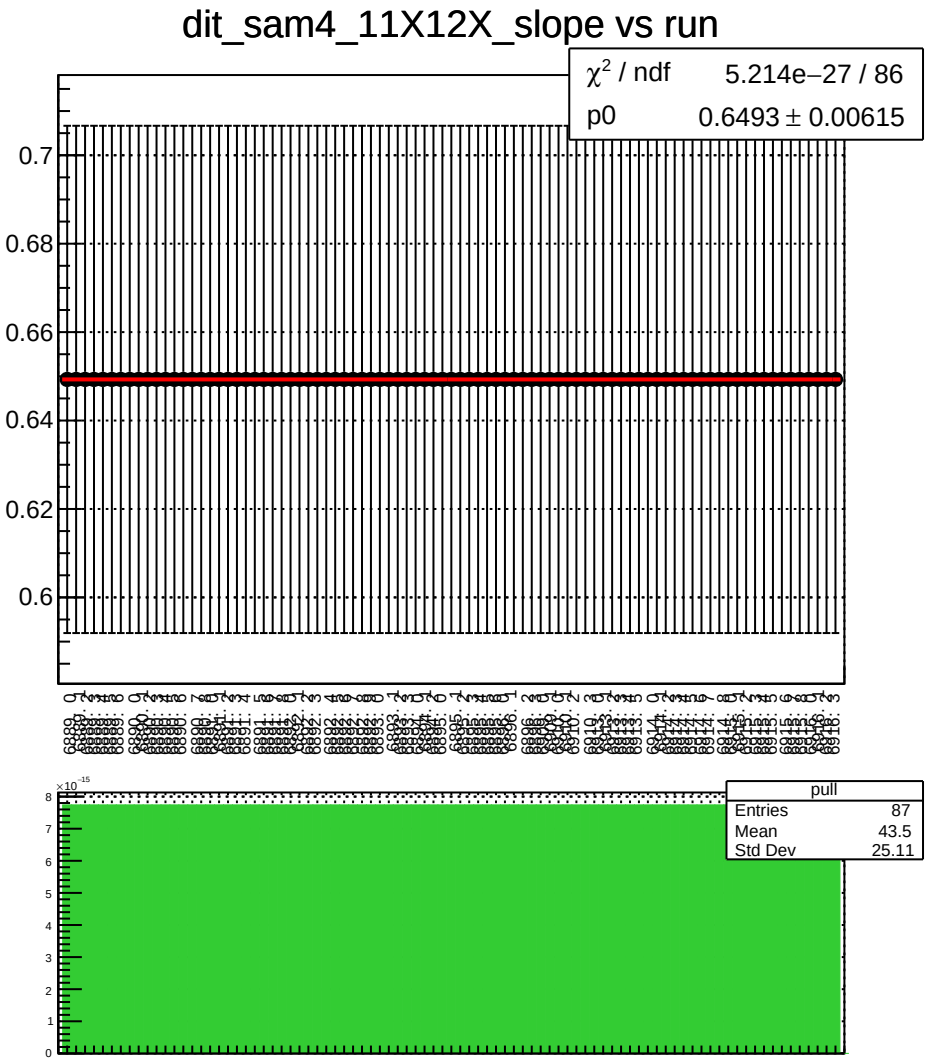

pull1D
Entries 87
Mean −1.788e−13
Std Dev 1.098e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

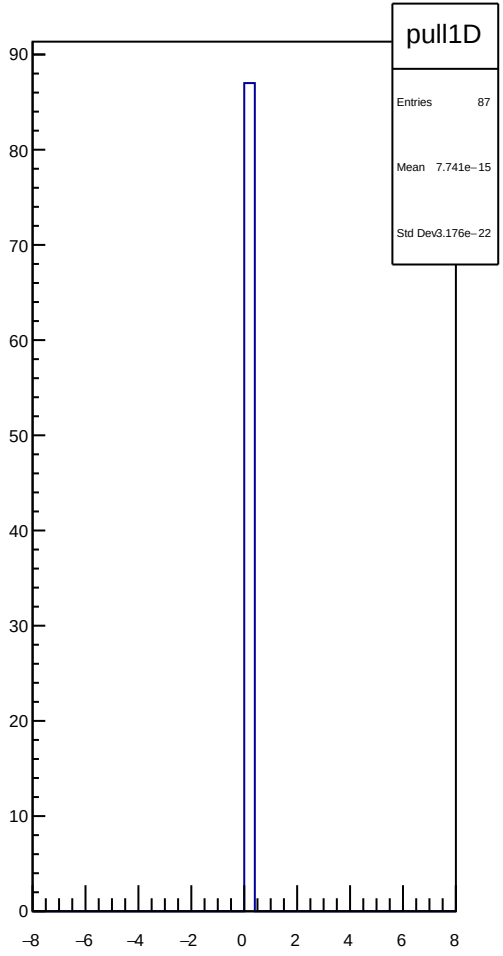

dit_sam4_4aX_slope vs run
χ^2 / ndf 1.639e−28 / 86
p0 70.81 ± 1.11
80
75
70
65
60
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-15}$
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

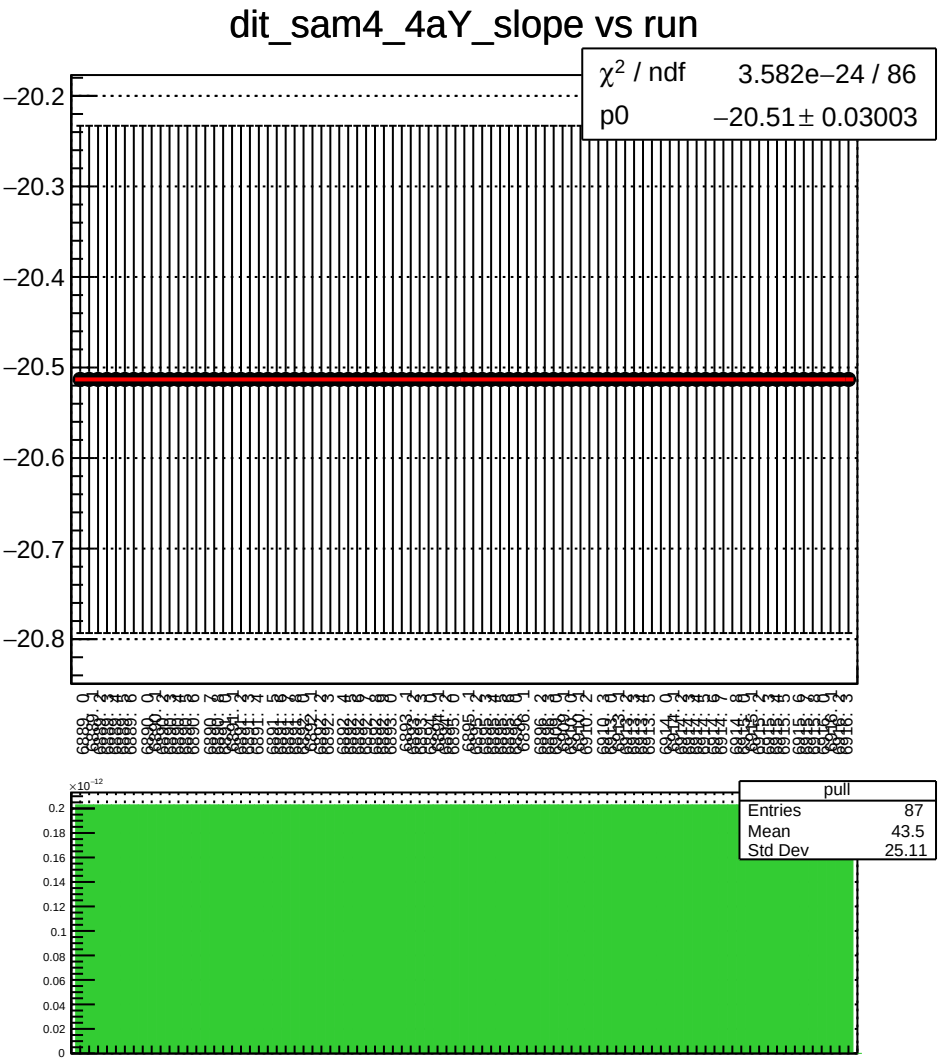

pull1D
Entries 87
Mean −1.372e−15
Std Dev 9.169e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

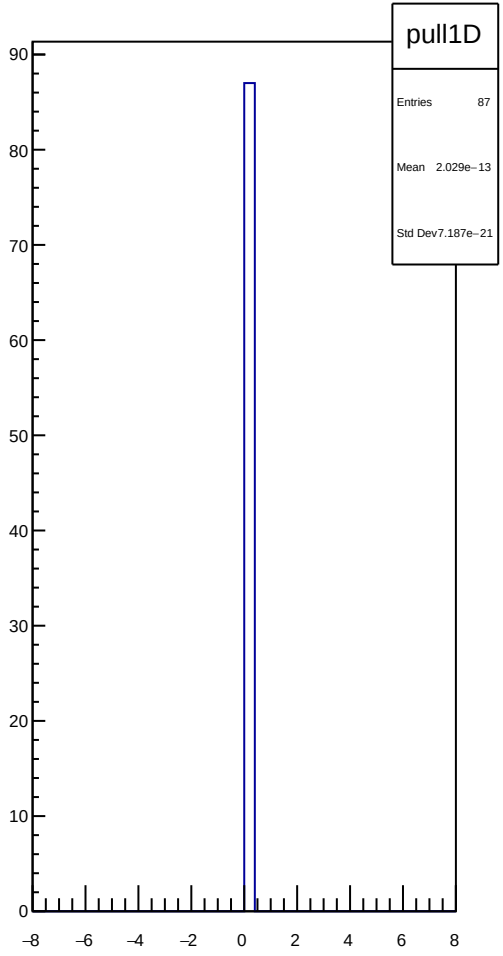

dit_sam4_4eX_slope vs run
χ² / ndf 1.477e−25 / 86
p0 −255.2 ± 1.109
−245
−250
−255
−260
−265
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

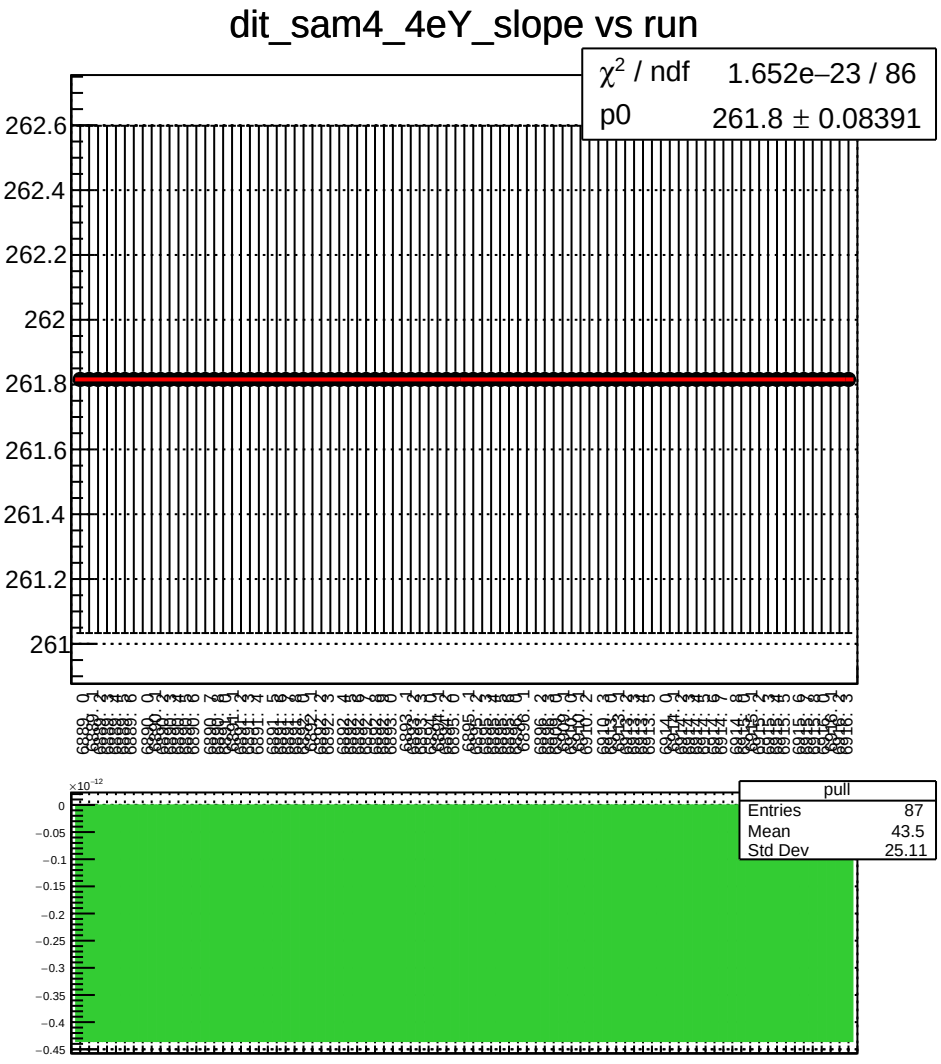

pull1D
Entries 87
Mean 4.12e−14
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

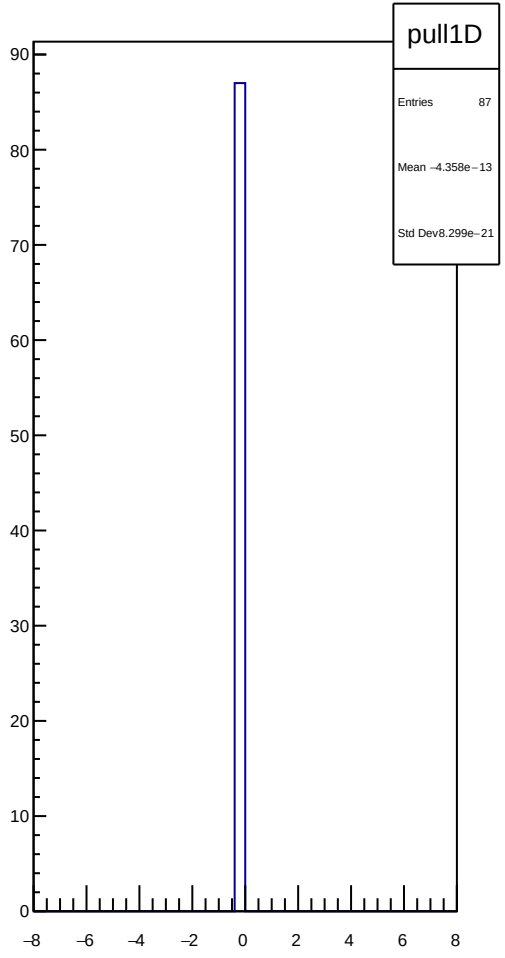

dit_sam4_11X12X_slope vs run
χ^2 / ndf 5.214e−27 / 86
p0 0.6493 ± 0.00615
0.7
0.68
0.66
0.64
0.62
0.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
8
7
6
5
4
3
2
1
0

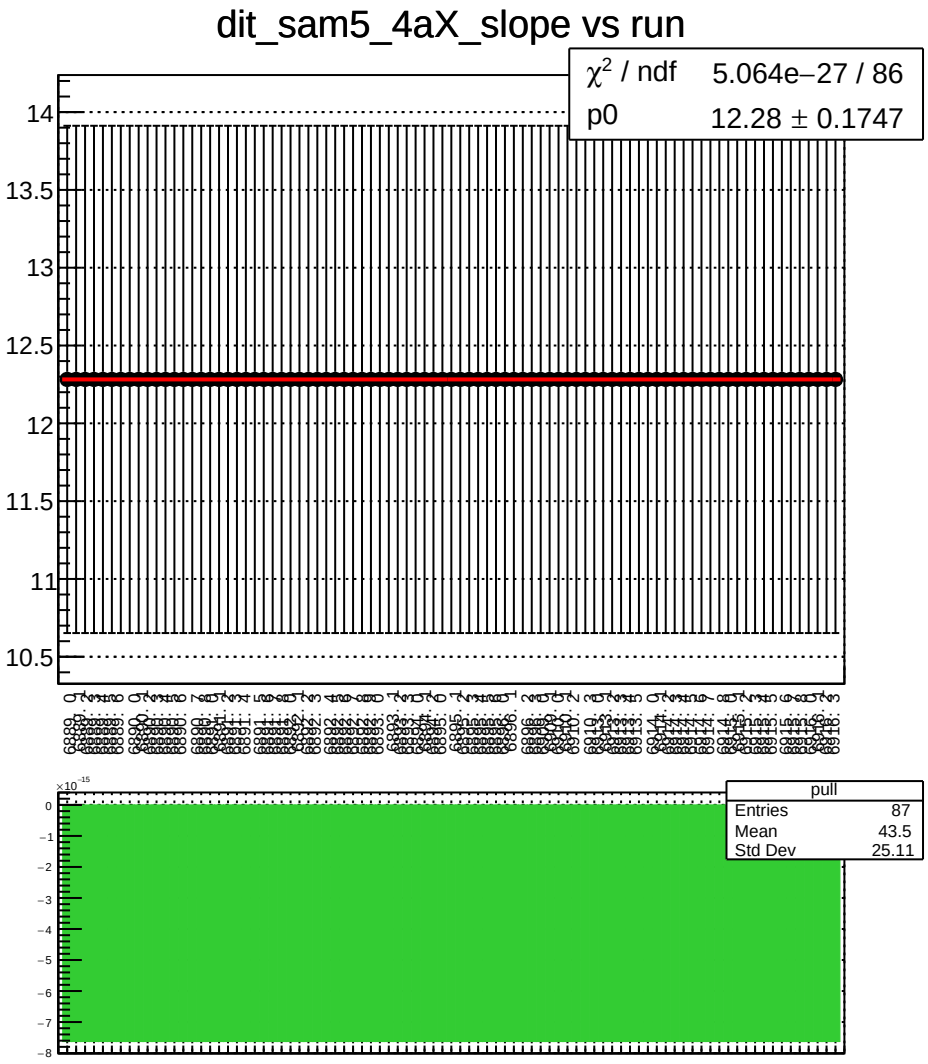

pull1D
Entries 87
Mean 7.741e−15
Std Dev 3.176e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

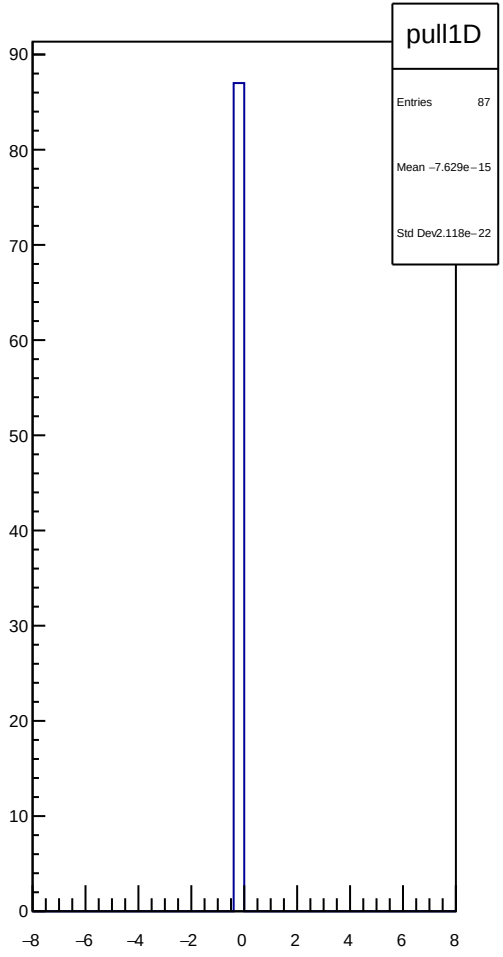

dit_sam4_4aY_slope vs run
χ² / ndf 3.582e−24 / 86
p0 −20.51 ± 0.03003
−20.2
−20.3
−20.4
−20.5
−20.6
−20.7
−20.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

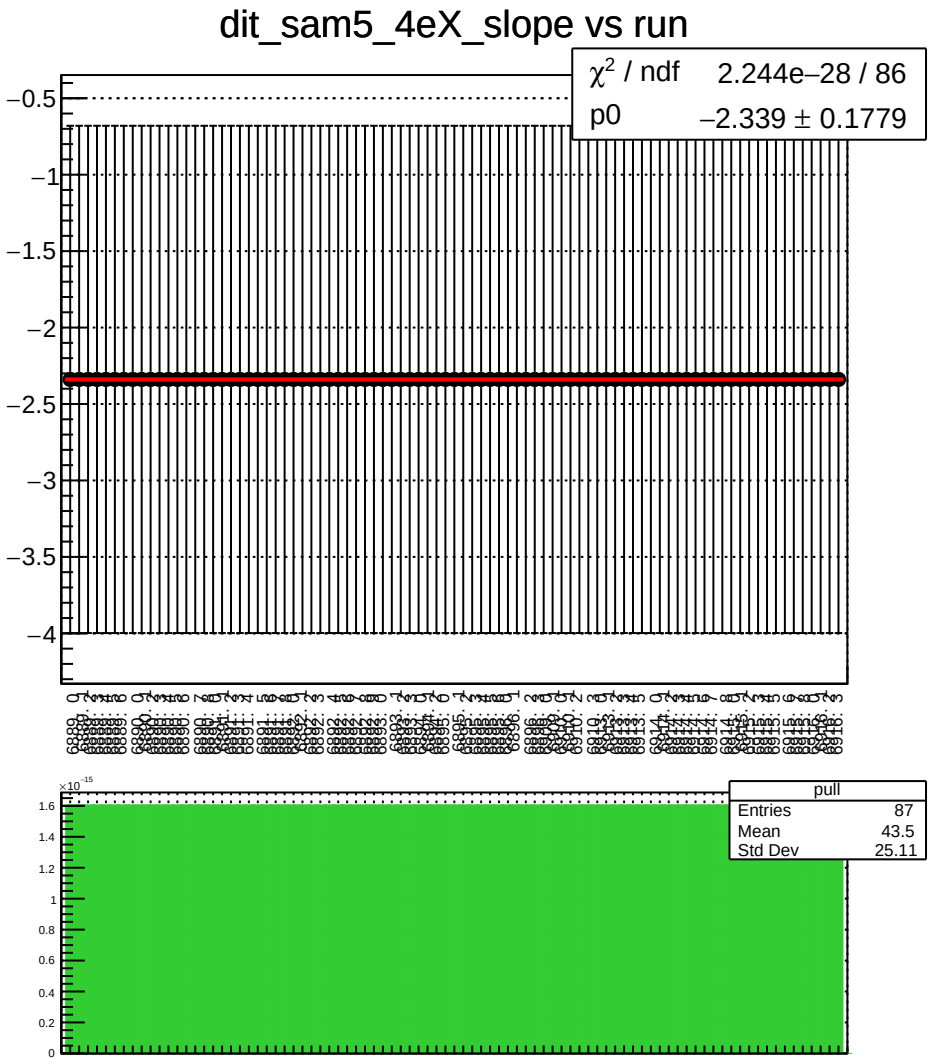

pull1D
Entries 87
Mean 2.029e−13
Std Dev 7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

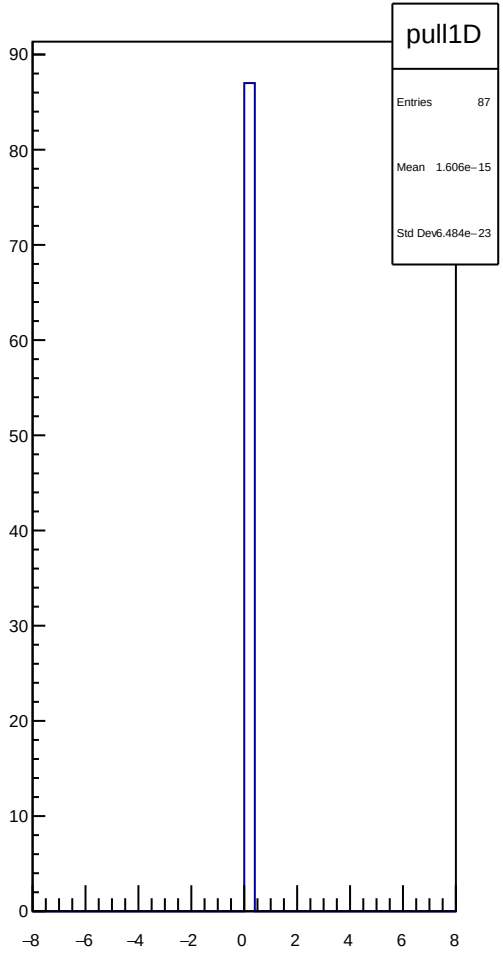

dit_sam4_4eY_slope vs run
χ^2 / ndf 1.652e−23 / 86
p0 261.8 ± 0.08391
262.6
262.4
262.2
262
261.8
261.6
261.4
261.2
261
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45

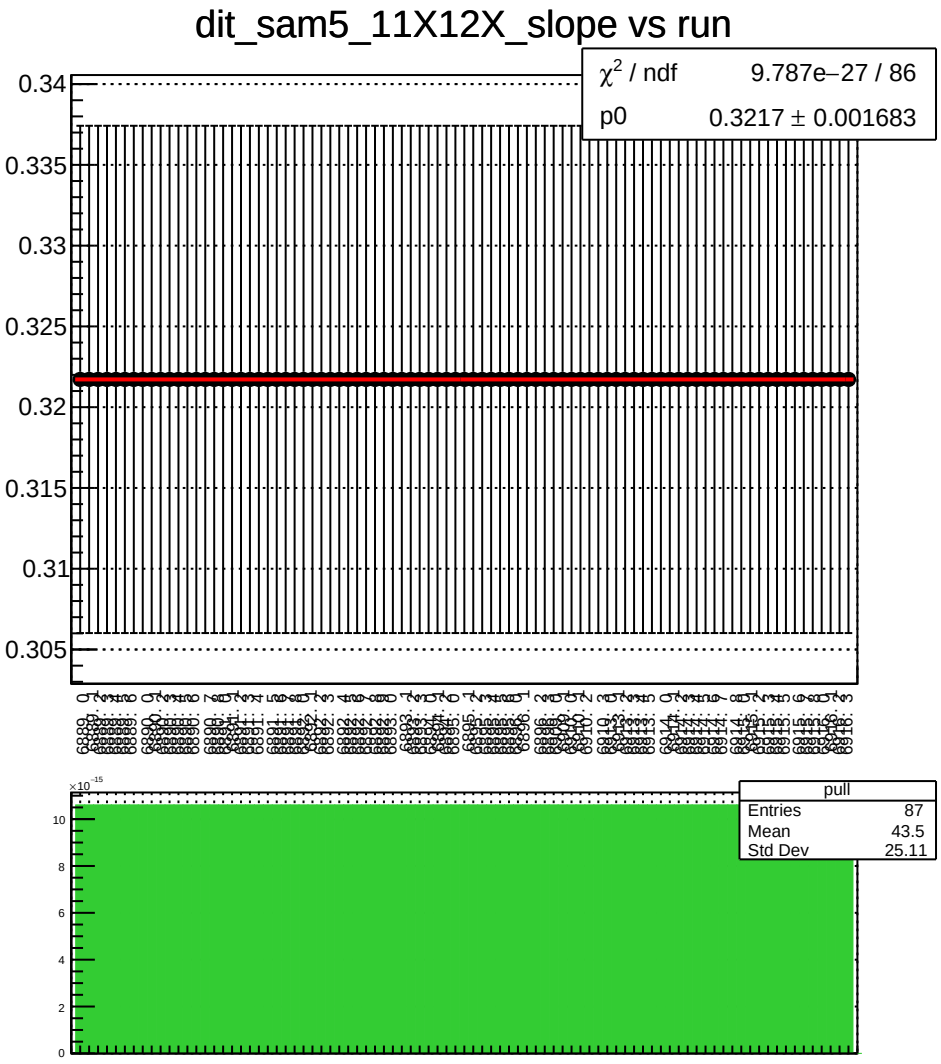

pull1D
Entries 87
Mean −4.358e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

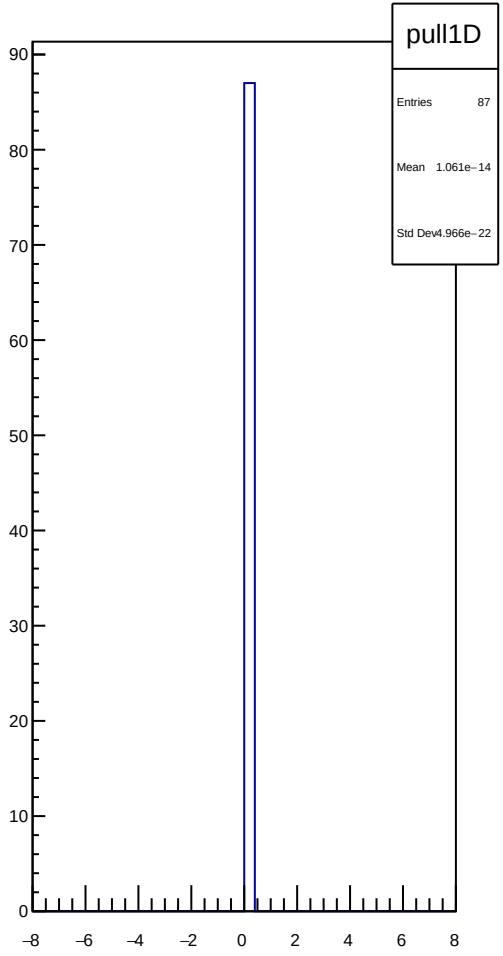

dit_sam5_4aX_slope vs run
χ^2 / ndf 5.064e−27 / 86
p0 12.28 ± 0.1747
pull
Entries 87
Mean 43.5
Std Dev 25.11

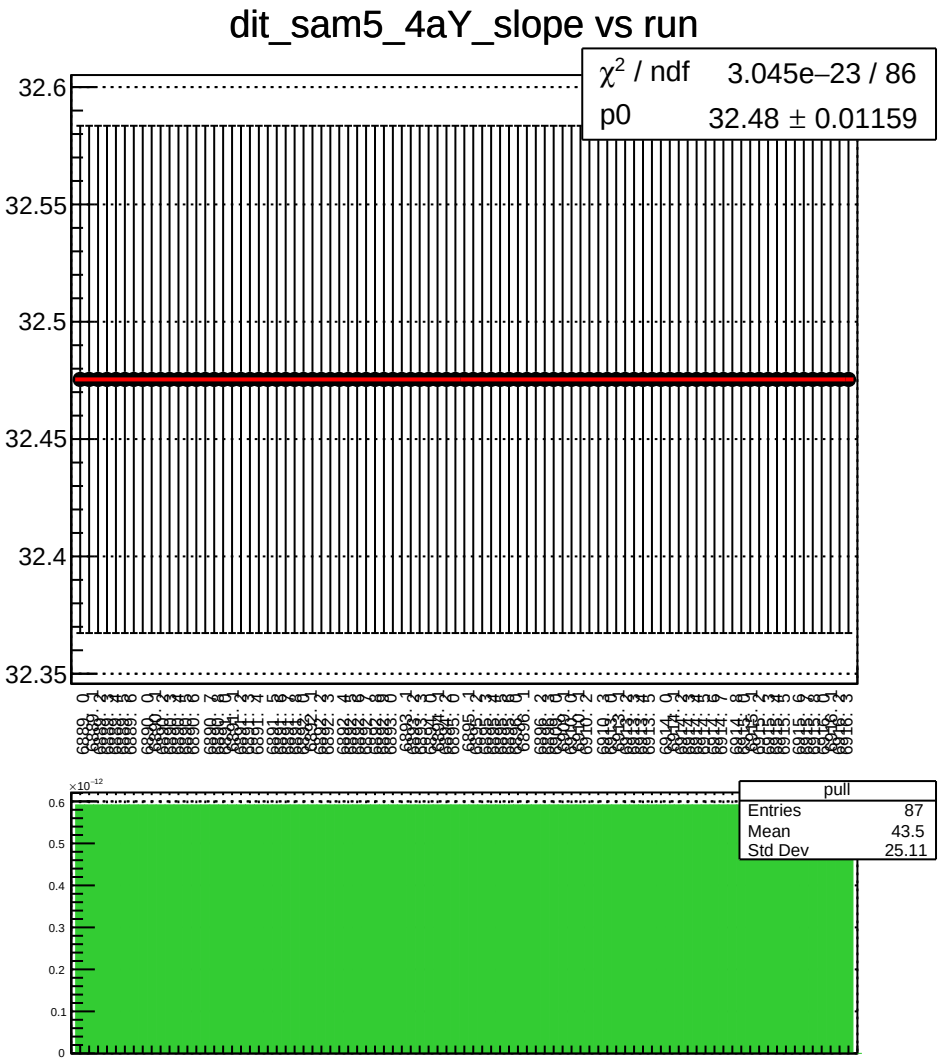

pull1D
Entries 87
Mean −7.629e−15
Std Dev 2.118e−22

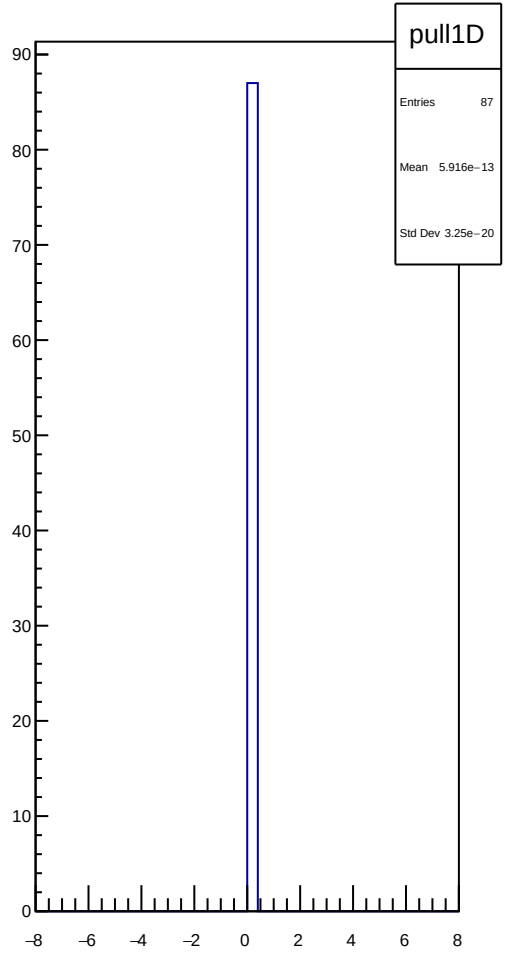

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.244e−28 / 86
p0 −2.339 ± 0.1779
pull
Entries 87
Mean 43.5
Std Dev 25.11

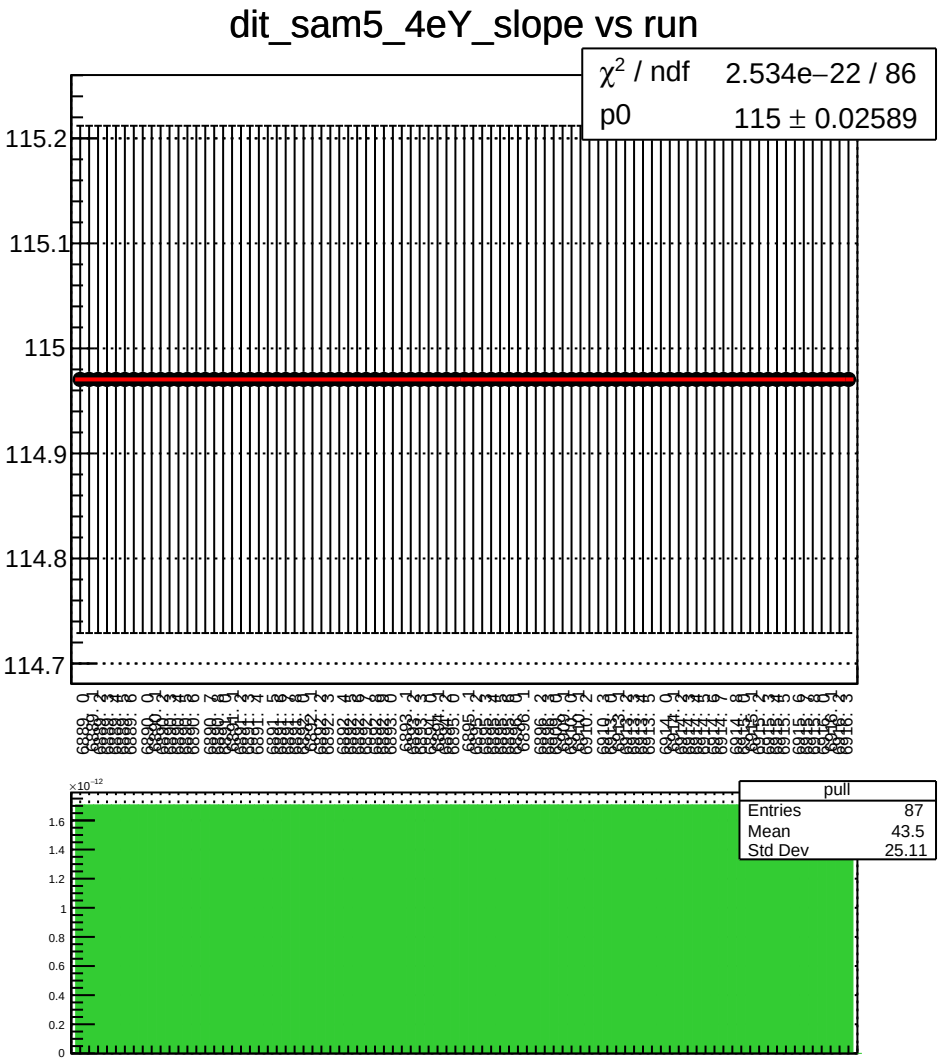

pull1D
Entries 87
Mean 1.606e−15
Std Dev 6.484e−23

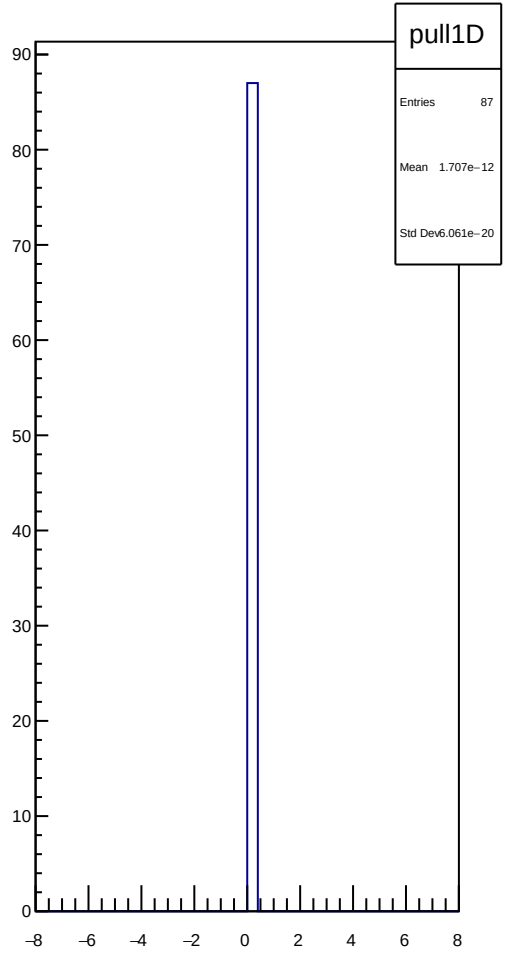

dit_sam5_11X12X_slope vs run
χ^2 / ndf 9.787e−27 / 86
p0 0.3217 ± 0.001683
0.34
0.335
0.33
0.325
0.32
0.315
0.31
0.305
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
10
8
6
4
2
0

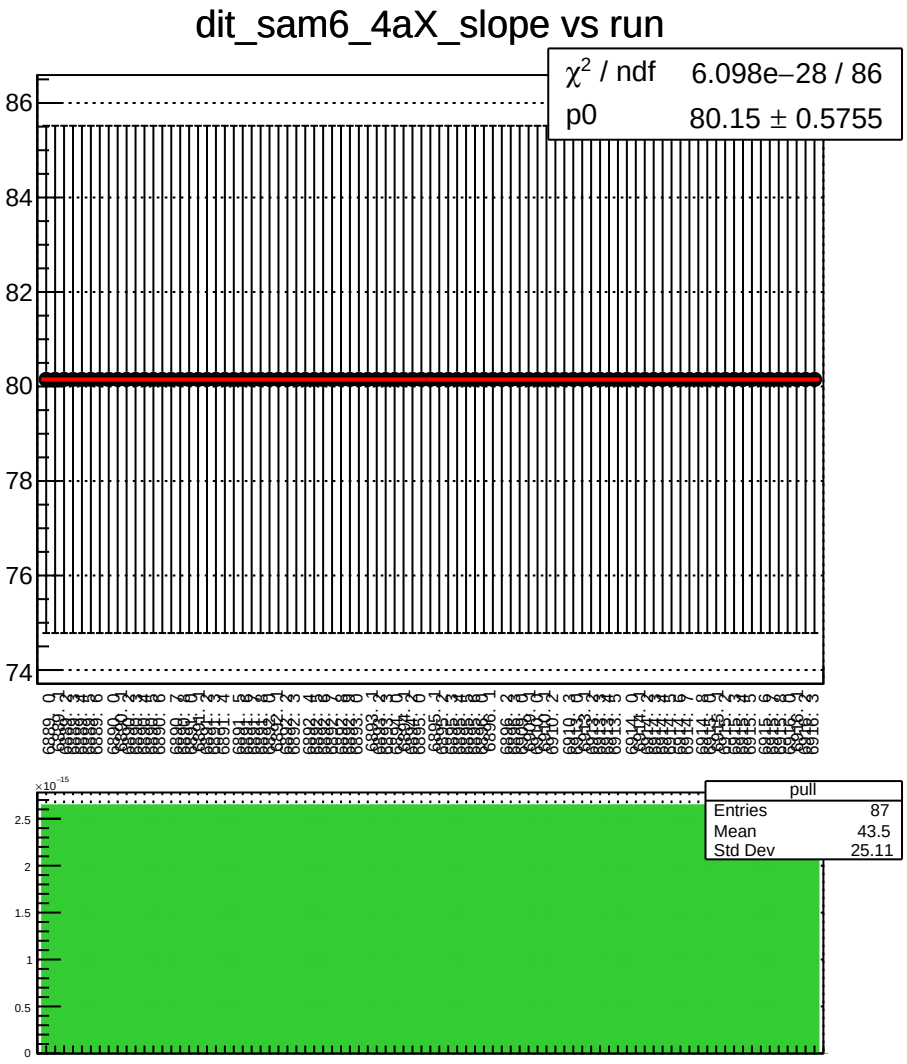

pull1D
Entries 87
Mean 1.061e−14
Std Dev 4.966e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

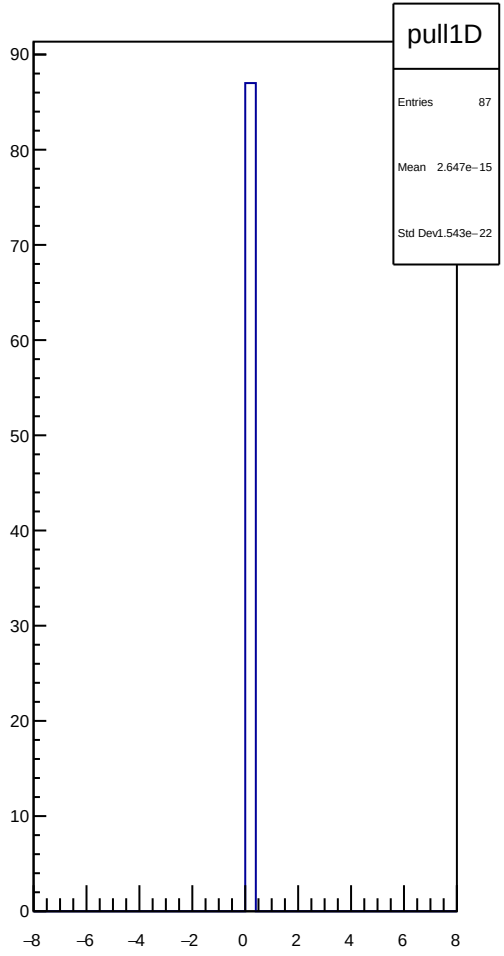

dit_sam5_4aY_slope vs run
χ² / ndf 3.045e−23 / 86
p0 32.48 ± 0.01159
32.6
32.55
32.5
32.45
32.4
32.35
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0

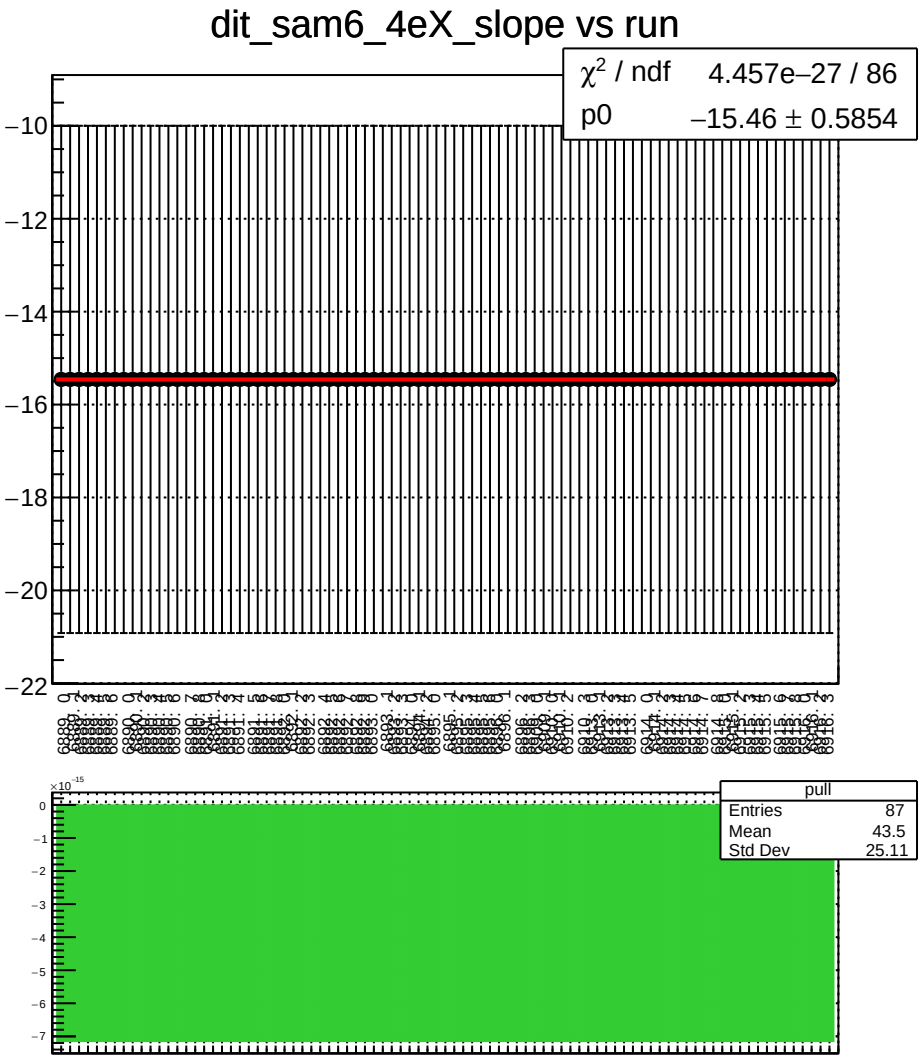

pull1D
Entries 87
Mean 5.916e−13
Std Dev 3.25e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

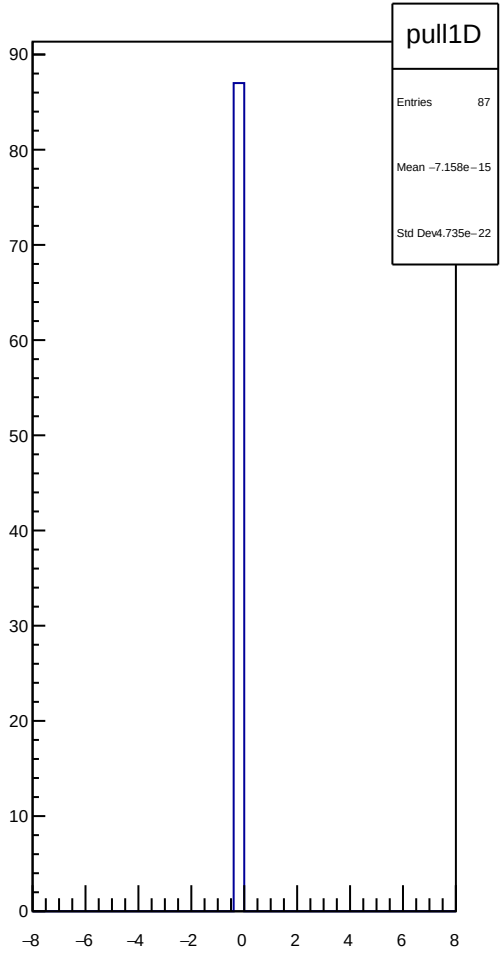

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.534e−22 / 86
p0 115 ± 0.02589
115.2
115.1
115
114.9
114.8
114.7
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 87
Mean 1.707e−12
Std Dev 6.061e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

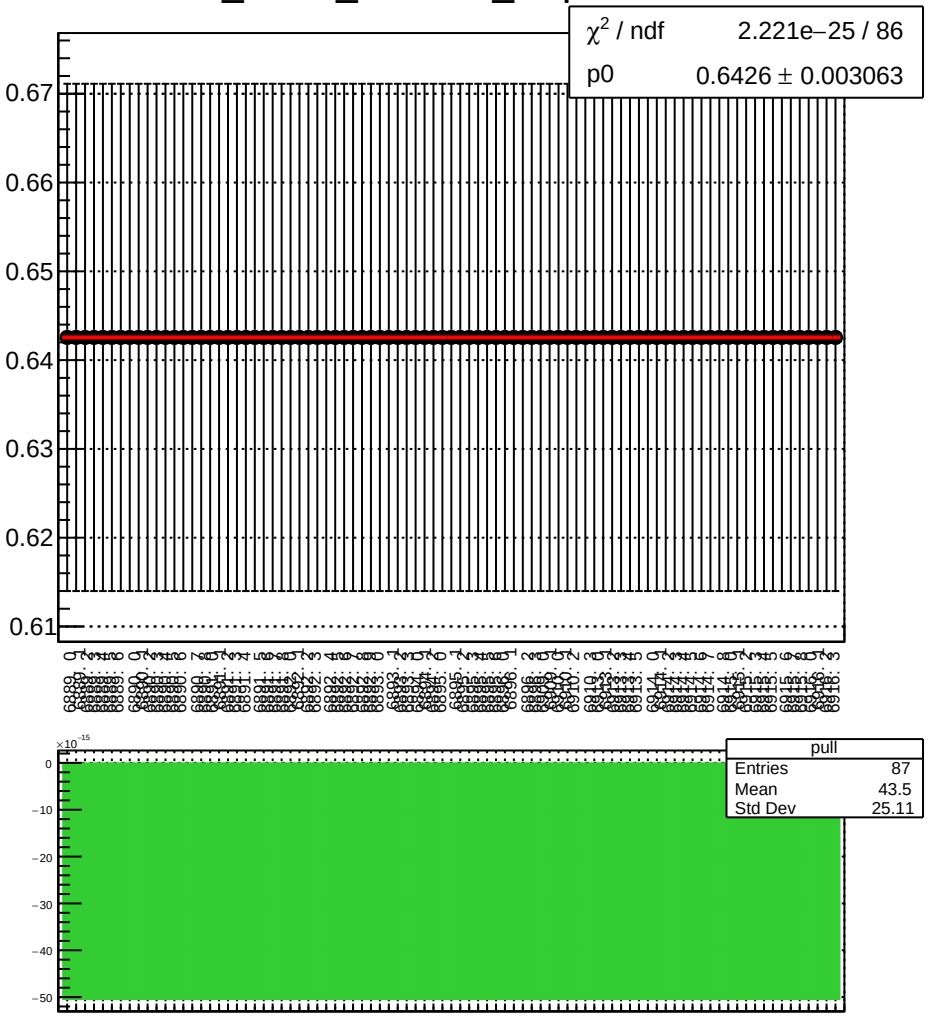

dit_sam6_4aX_slope vs run
χ^2 / ndf 6.098e−28 / 86
p0 80.15 ± 0.5755
86
84
82
80
78
76
74
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
2.5
2
1.5
1
0.5
0

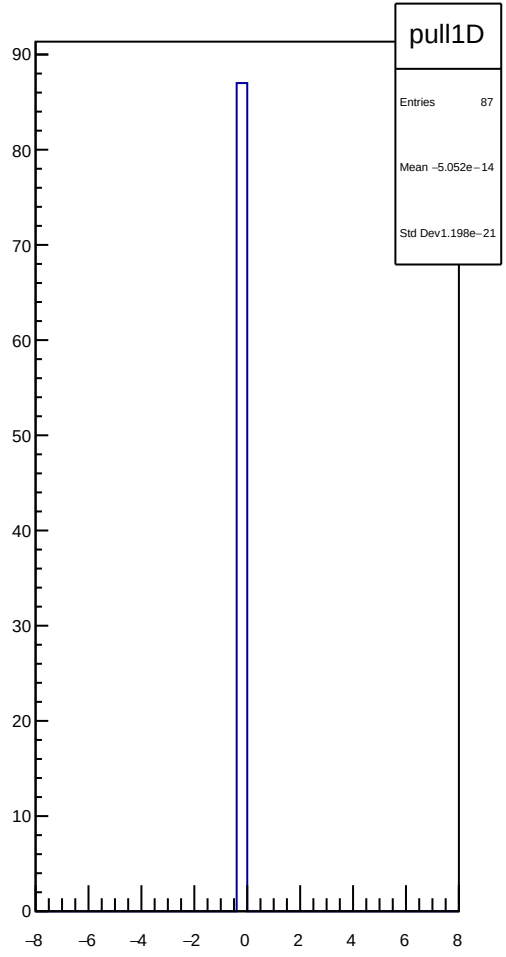

pull1D
Entries 87
Mean 2.647e−15
Std Dev1.543e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

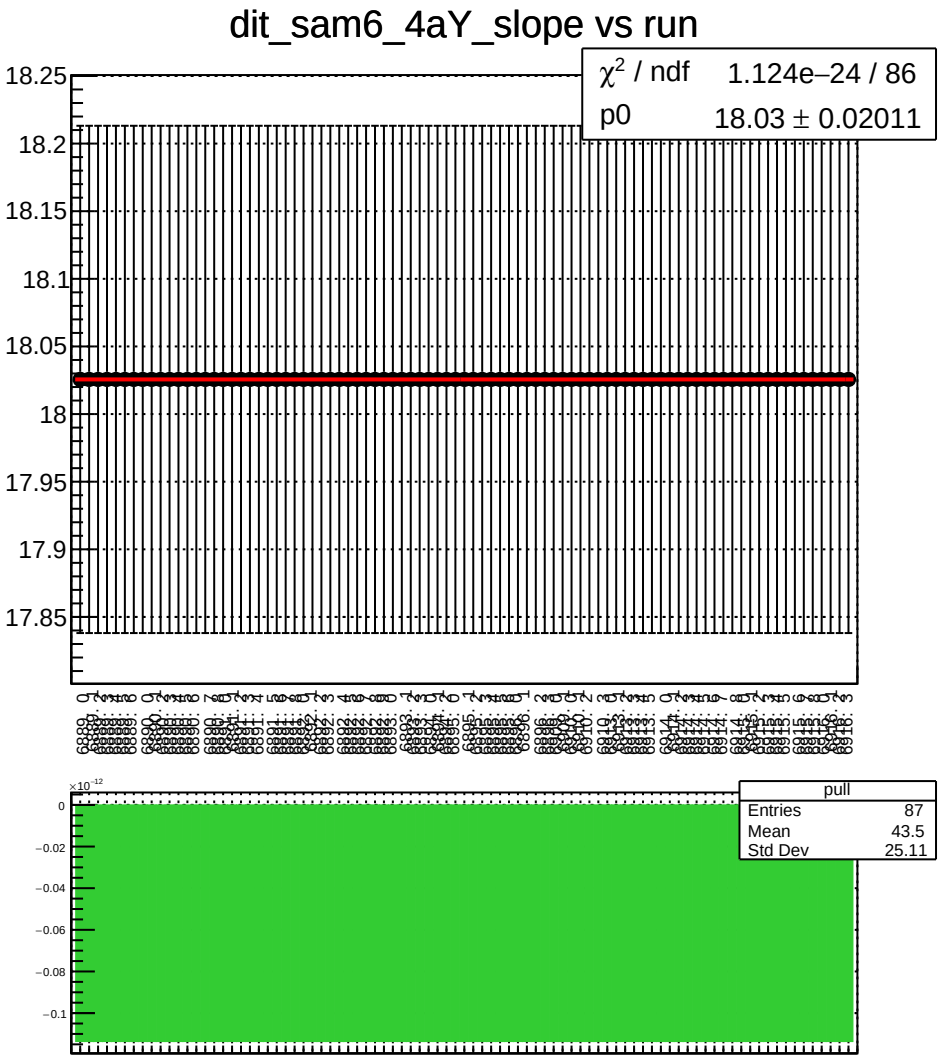

dit_sam6_4eX_slope vs run
χ^2 / ndf 4.457e−27 / 86
p0 −15.46 ± 0.5854
−10
−12
−14
−16
−18
−20
−22
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−1
−2
−3
−4
−5
−6
−7

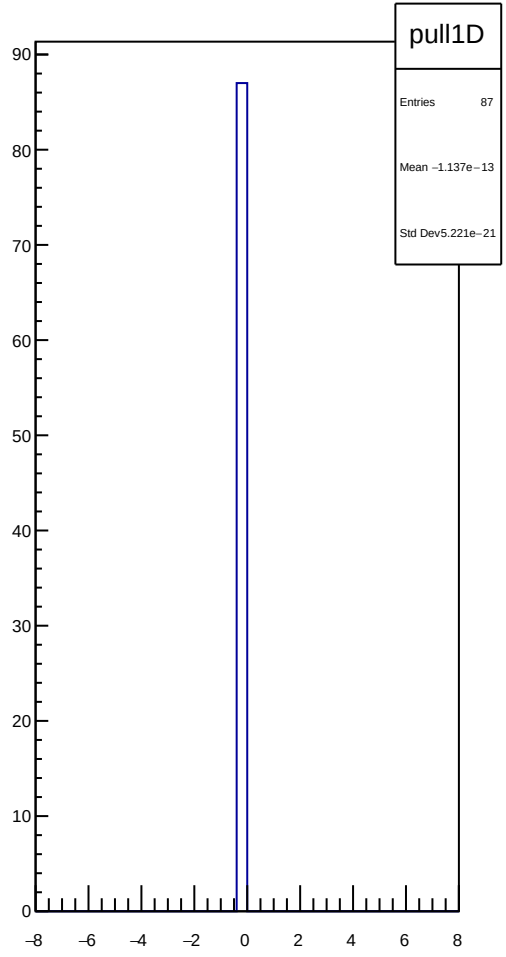

pull1D
Entries 87
Mean −7.158e−15
Std Dev 4.735e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

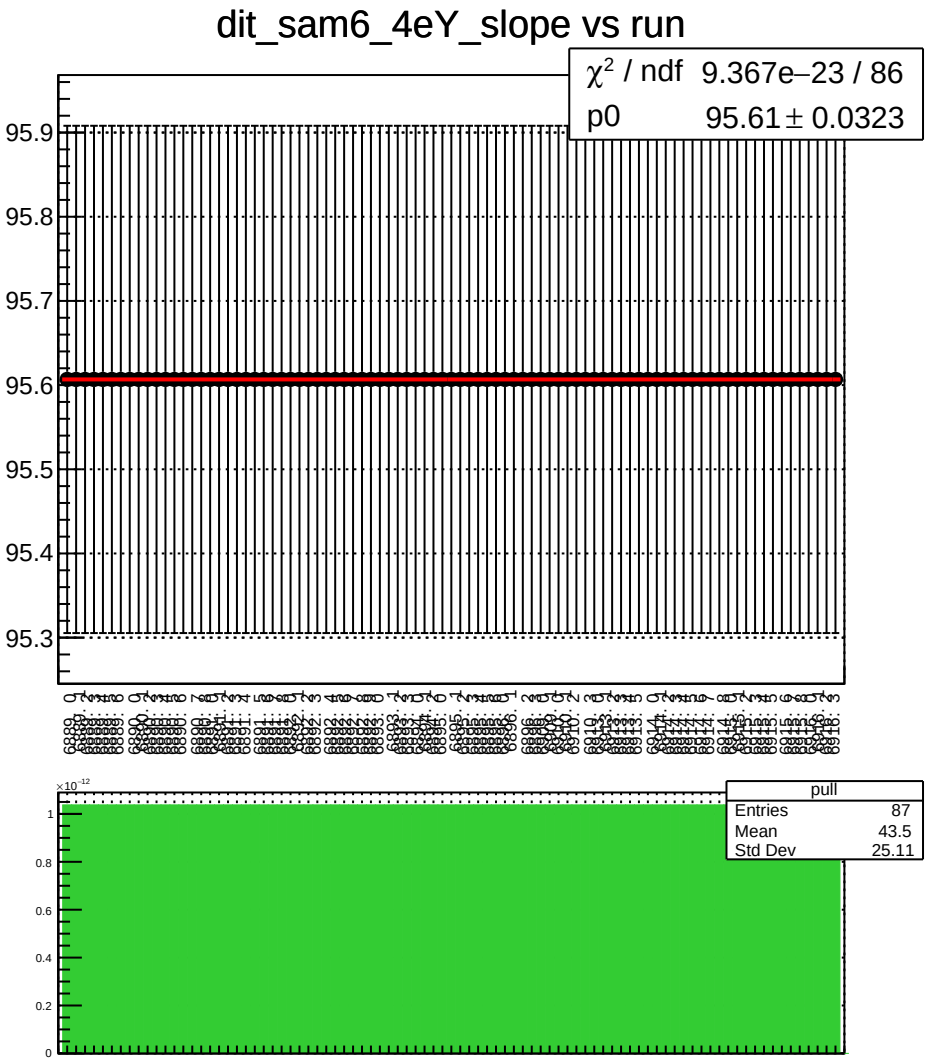
dit_sam6_11X12X_slope vs run

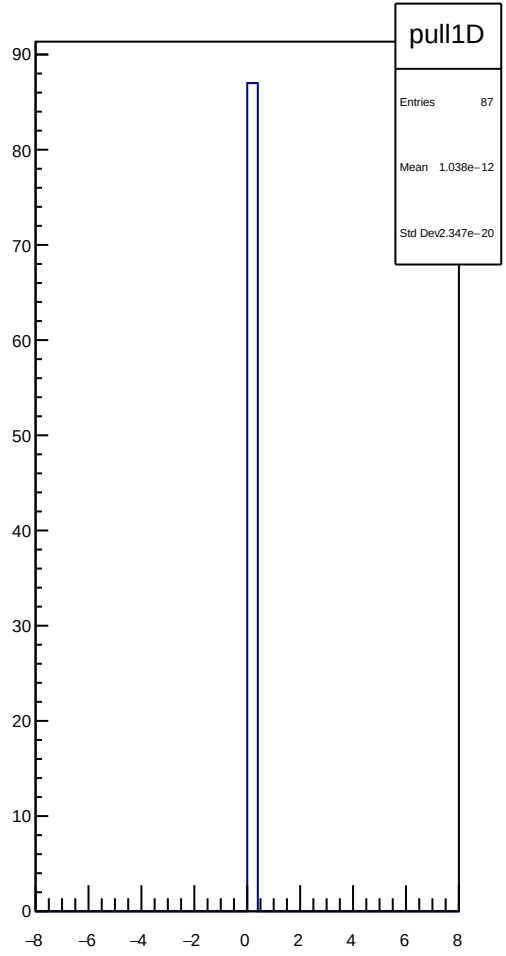


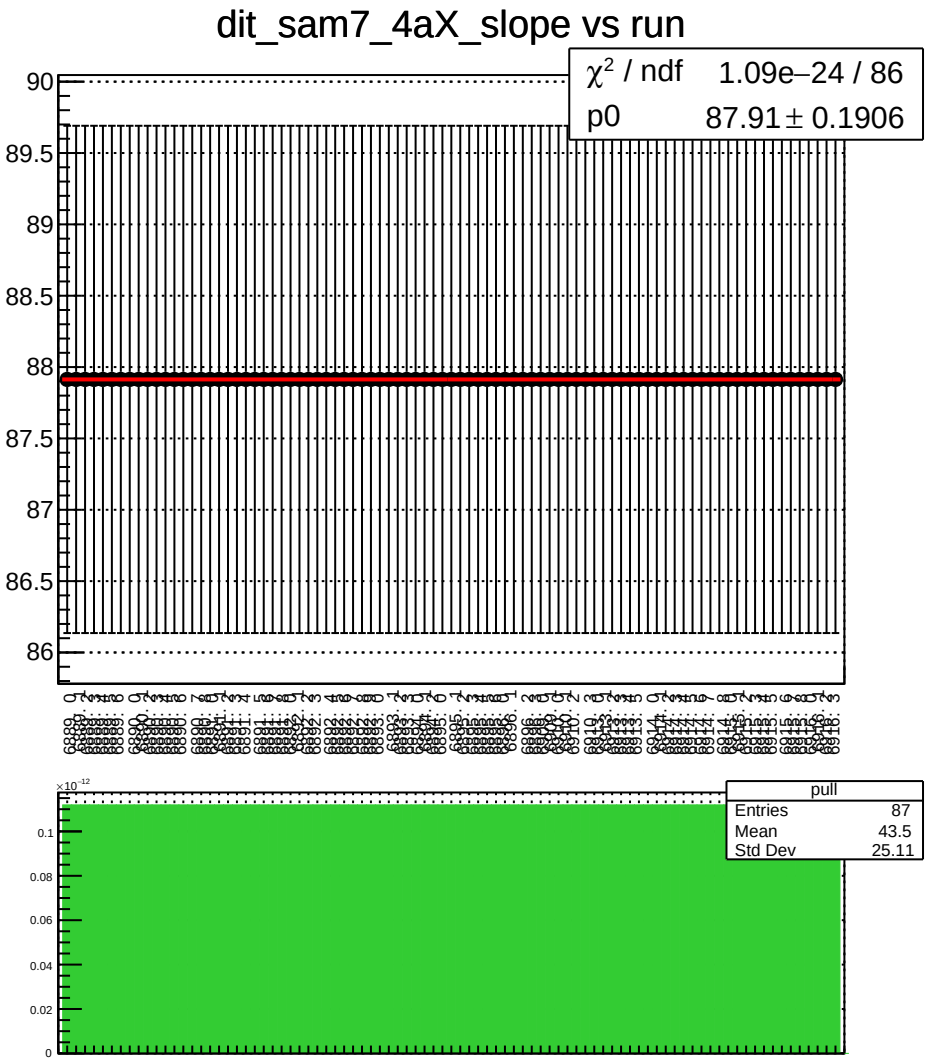


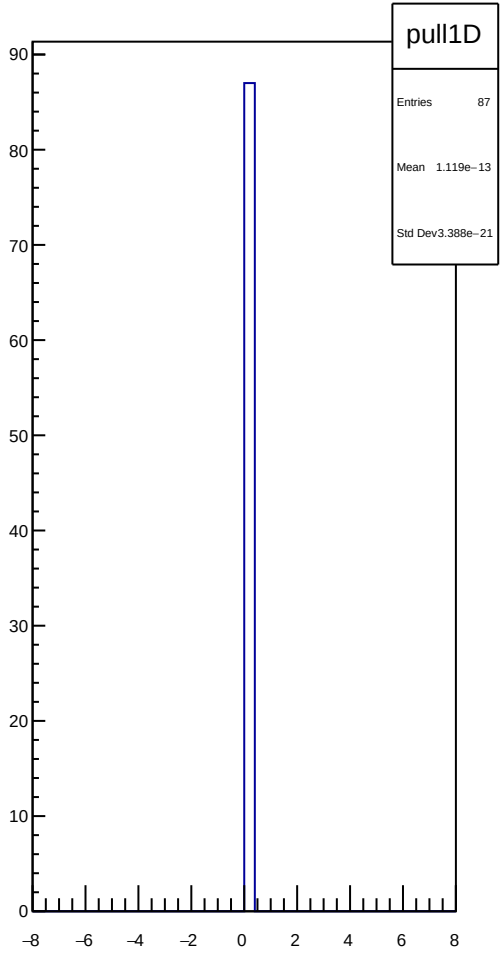

dit_sam6_4aY_slope vs run
χ² / ndf 1.124e−24 / 86
p0 18.03 ± 0.02011
18.25
18.2
18.15
18.1
18.05
18
17.95
17.9
17.85
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

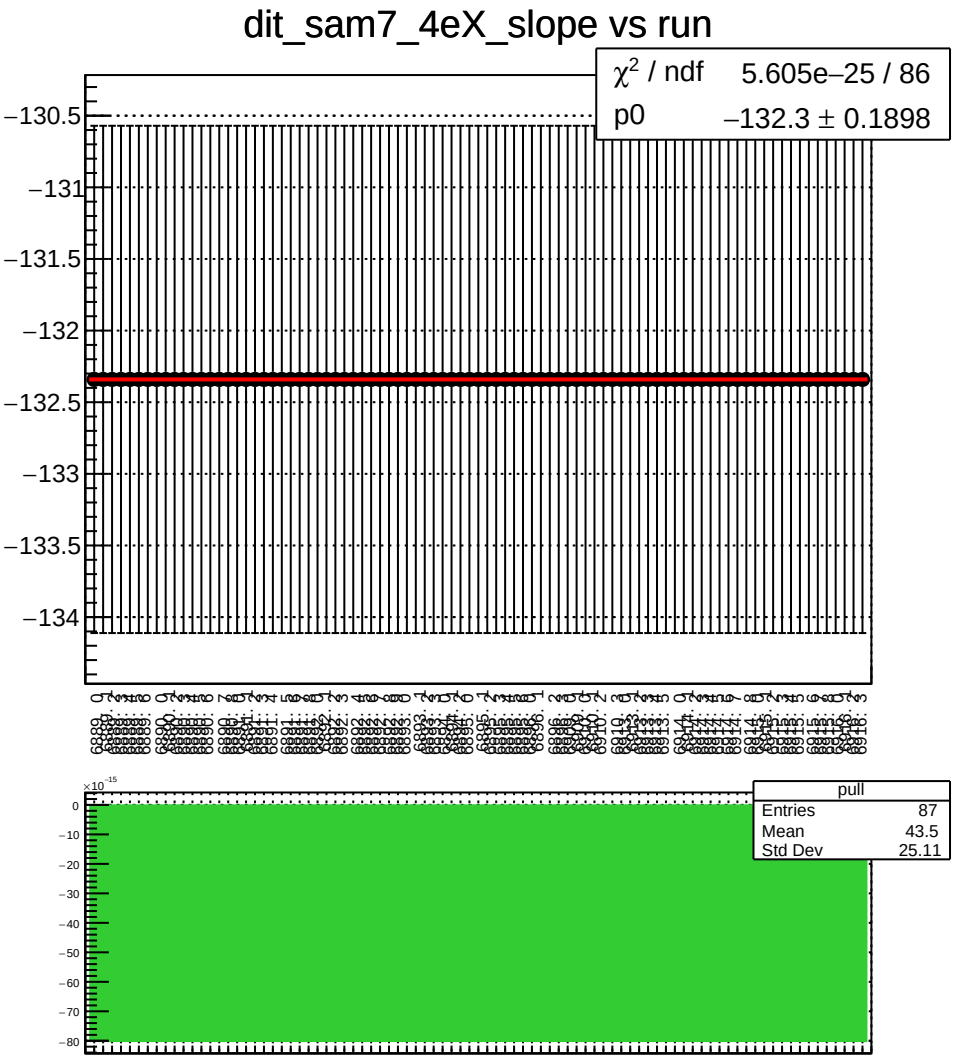

pull1D
Entries 87
Mean −1.137e−13
Std Dev5.221e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

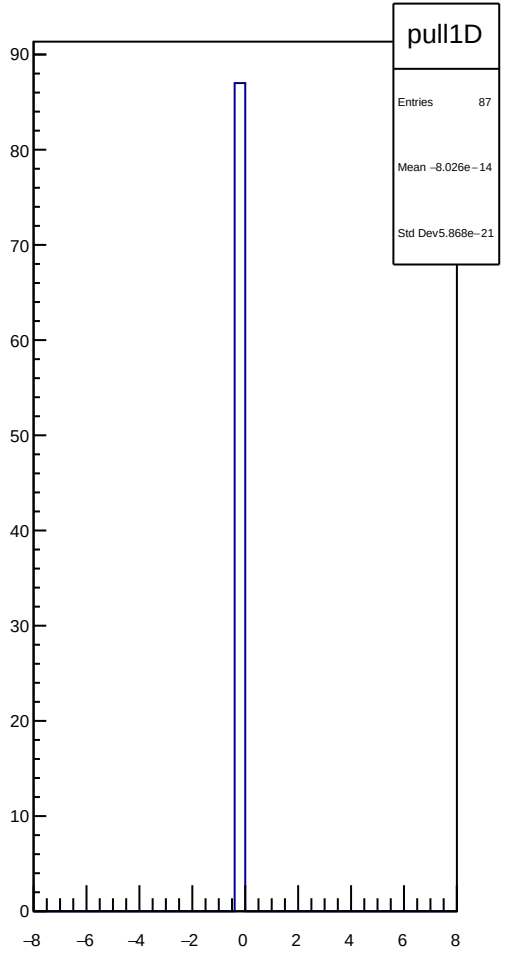

dit_sam6_4eY_slope vs run
χ^2 / ndf 9.367e−23 / 86
p0 95.61 ± 0.0323
95.9
95.8
95.7
95.6
95.5
95.4
95.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-12}$
1
0.8
0.6
0.4
0.2
0

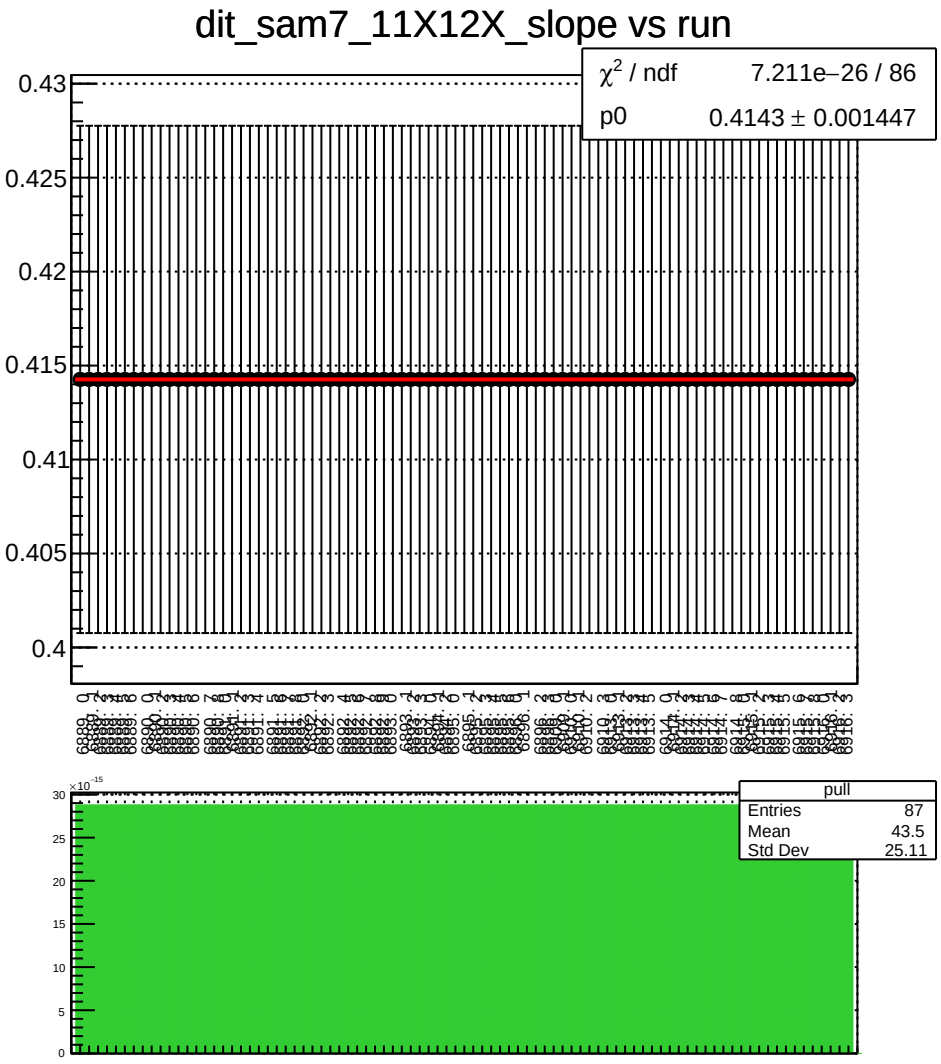

pull1D
Entries 87
Mean 1.038e−12
Std Dev 2.347e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

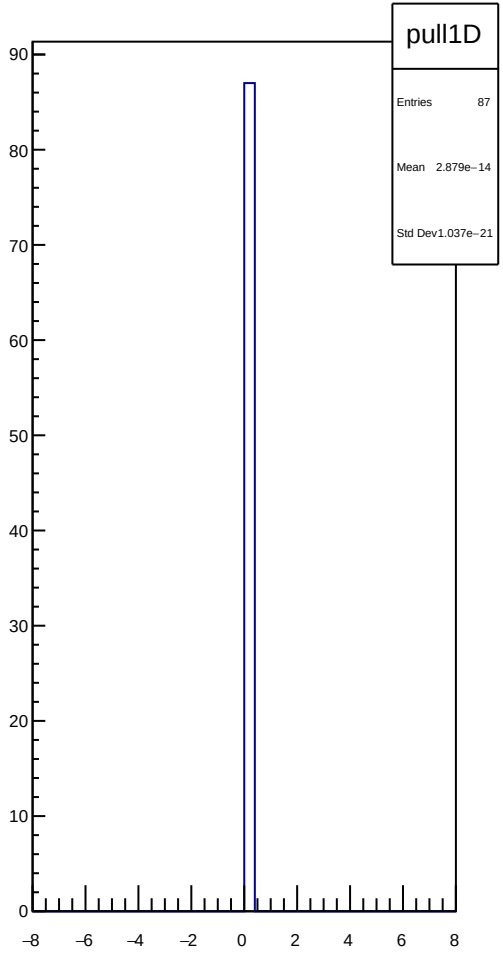

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.09e−24 / 86
p0 87.91 ± 0.1906
90
89.5
89
88.5
88
87.5
87
86.5
86
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

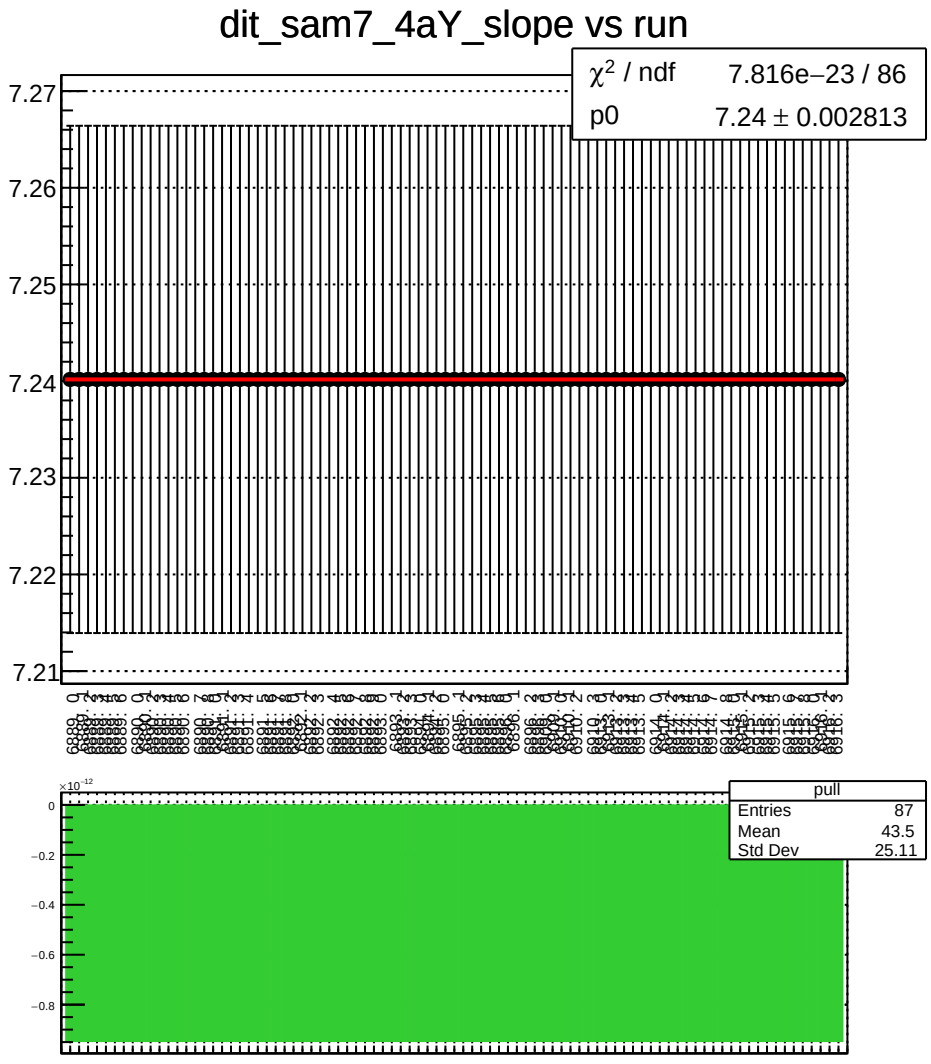

pull1D
Entries 87
Mean 1.119e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

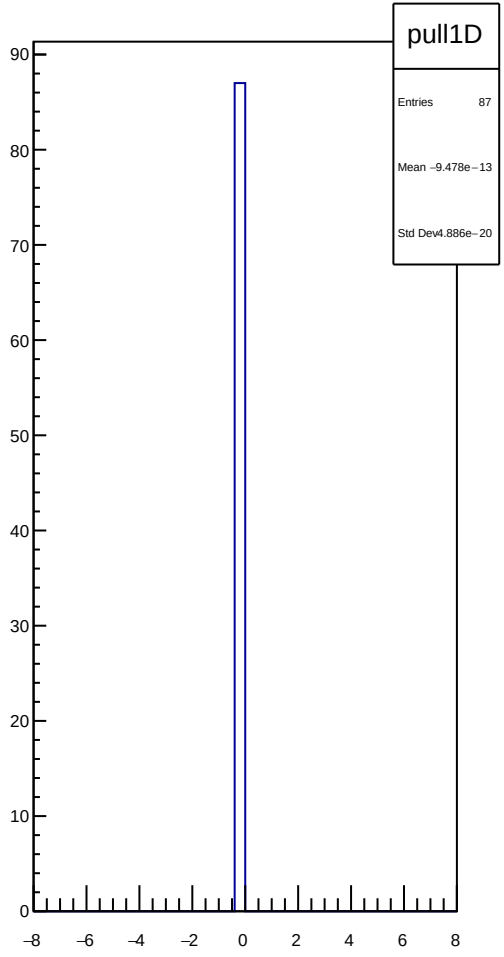

dit_sam7_4eX_slope vs run
χ^2 / ndf 5.605e−25 / 86
p0 −132.3 ± 0.1898
−130.5
−131
−131.5
−132
−132.5
−133
−133.5
−134
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

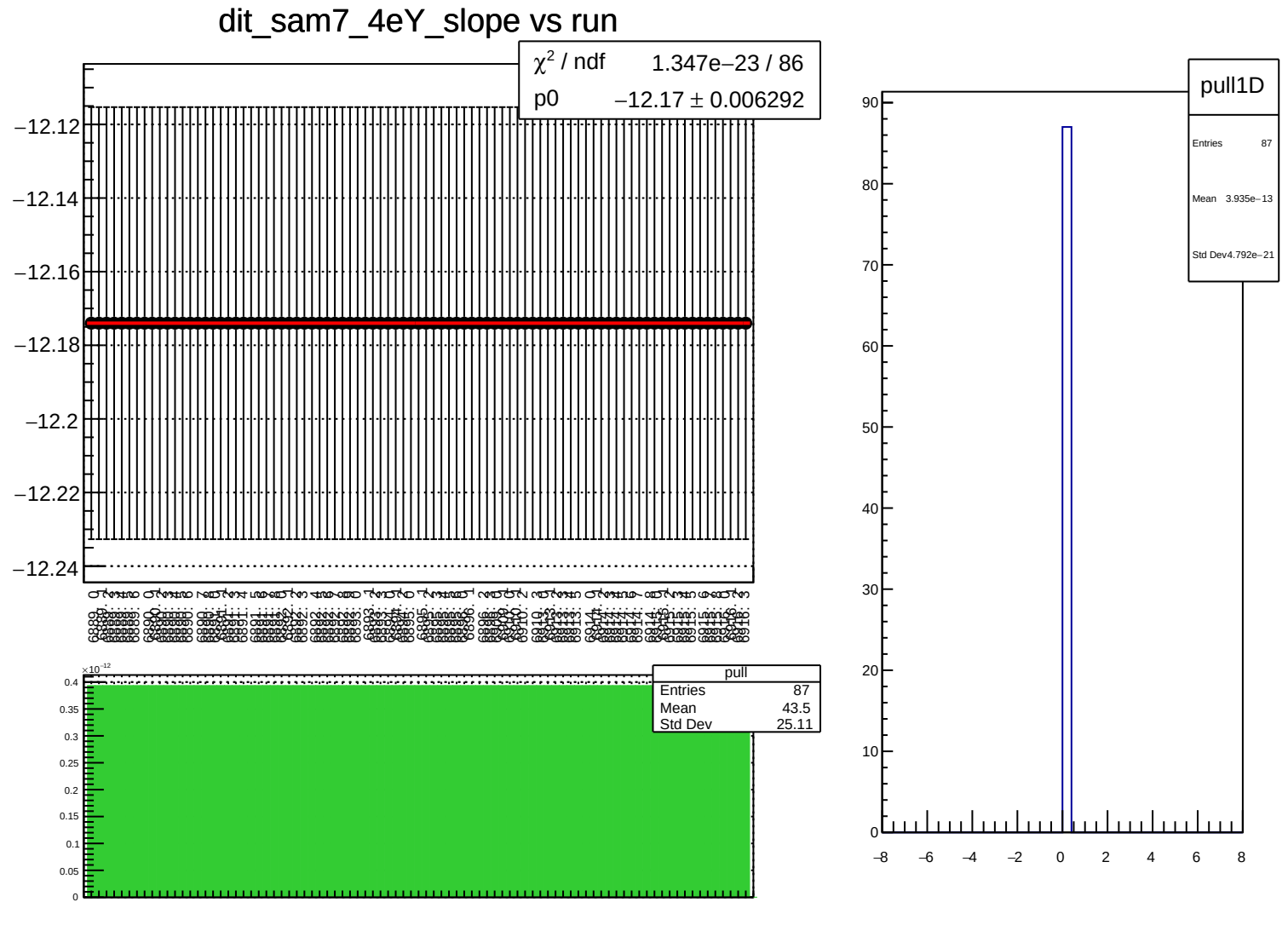

pull1D
Entries 87
Mean −8.026e−14
Std Dev 5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_11X12X_slope vs run
χ^2 / ndf 7.211e−26 / 86
p0 0.4143 ± 0.001447
0.43
0.425
0.42
0.415
0.41
0.405
0.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
30
25
20
15
10
5
0

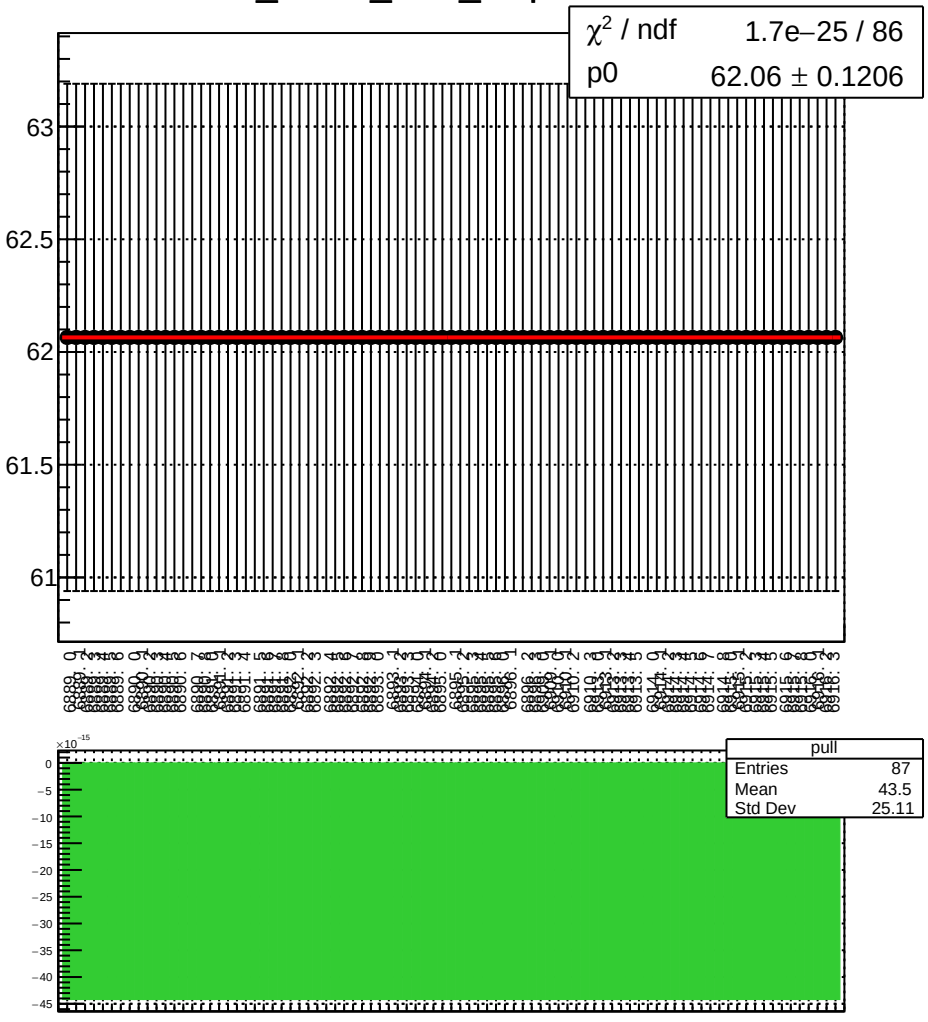

pull1D
Entries 87
Mean 2.879e−14
Std Dev 1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

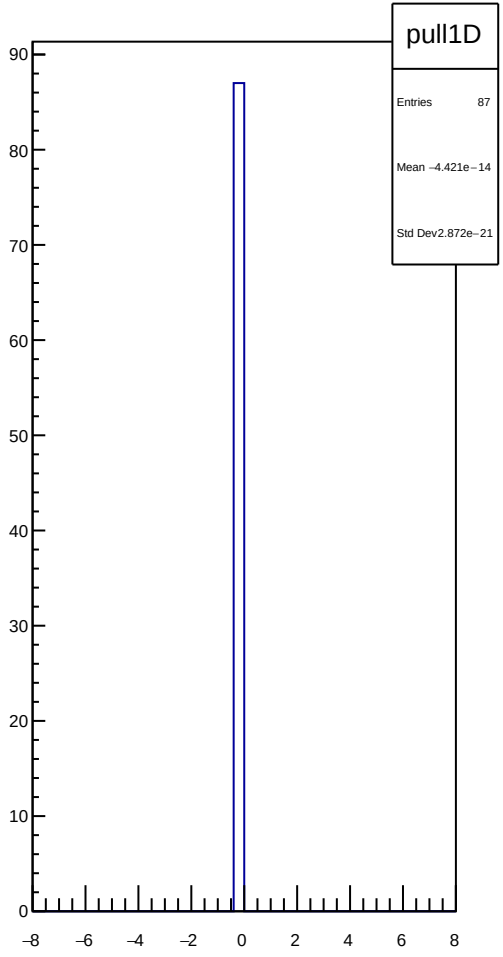

dit_sam7_4aY_slope vs run
χ^2 / ndf 7.816e−23 / 86
p0 7.24 ± 0.002813
7.27
7.26
7.25
7.24
7.23
7.22
7.21
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0
−0.2
−0.4
−0.6
−0.8


pull1D
Entries 87
Mean −9.478e−13
Std Dev 4.886e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

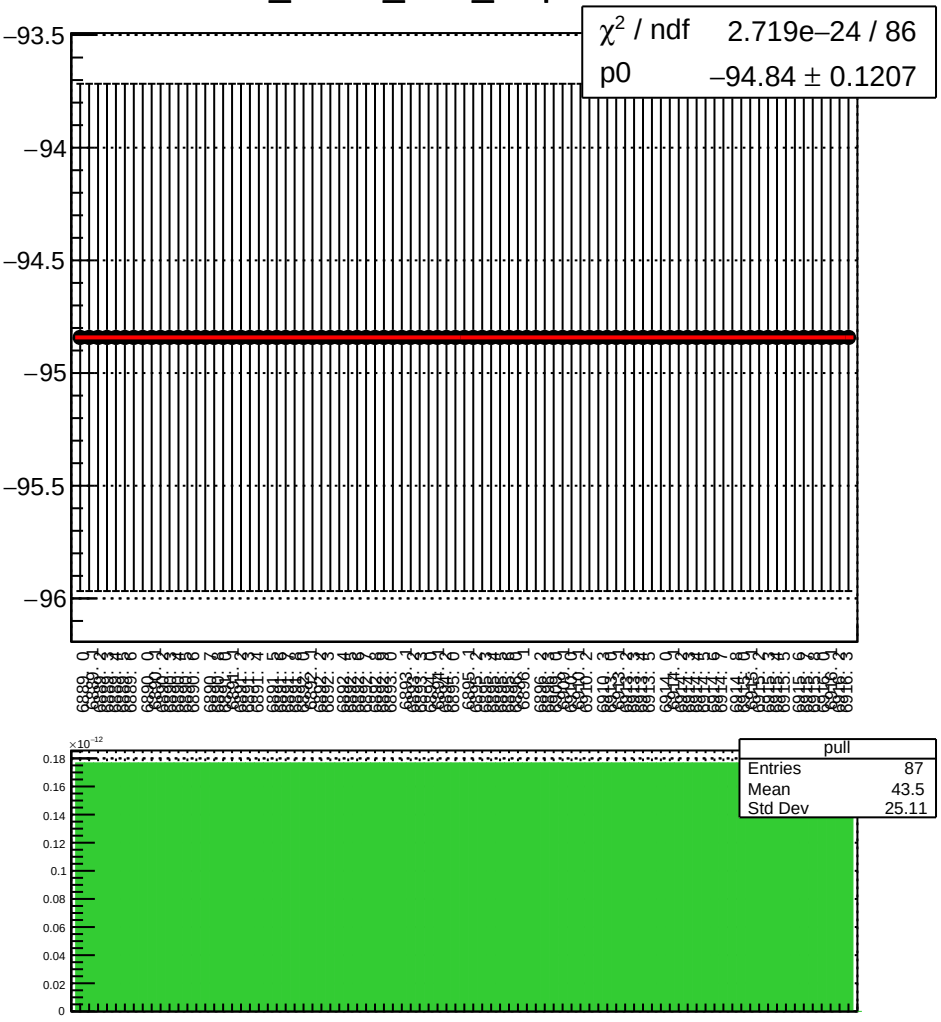

dit_sam7_4eY_slope vs run
χ^2 / ndf 1.347e−23 / 86
p0 −12.17 ± 0.006292
−12.12
−12.14
−12.16
−12.18
−12.2
−12.22
−12.24
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 87
Mean 3.935e−13
Std Dev 4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

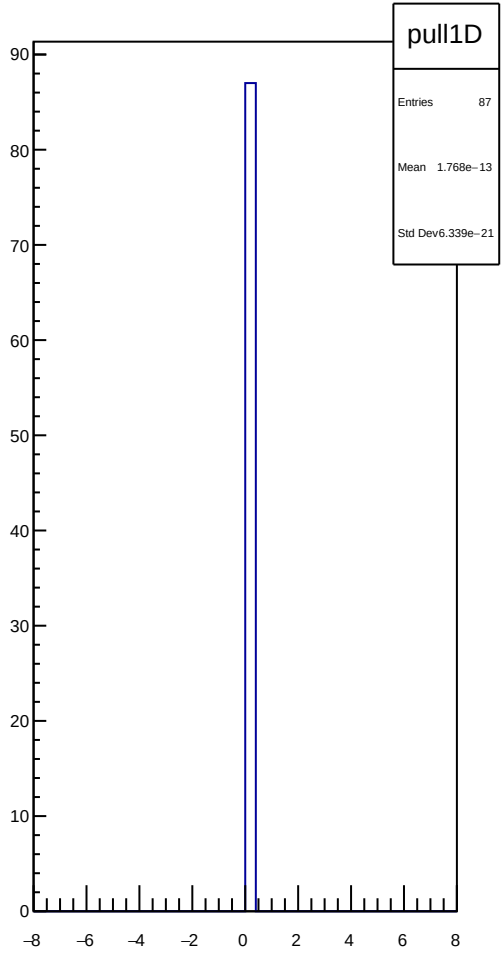
dit_sam8_4aX_slope vs run

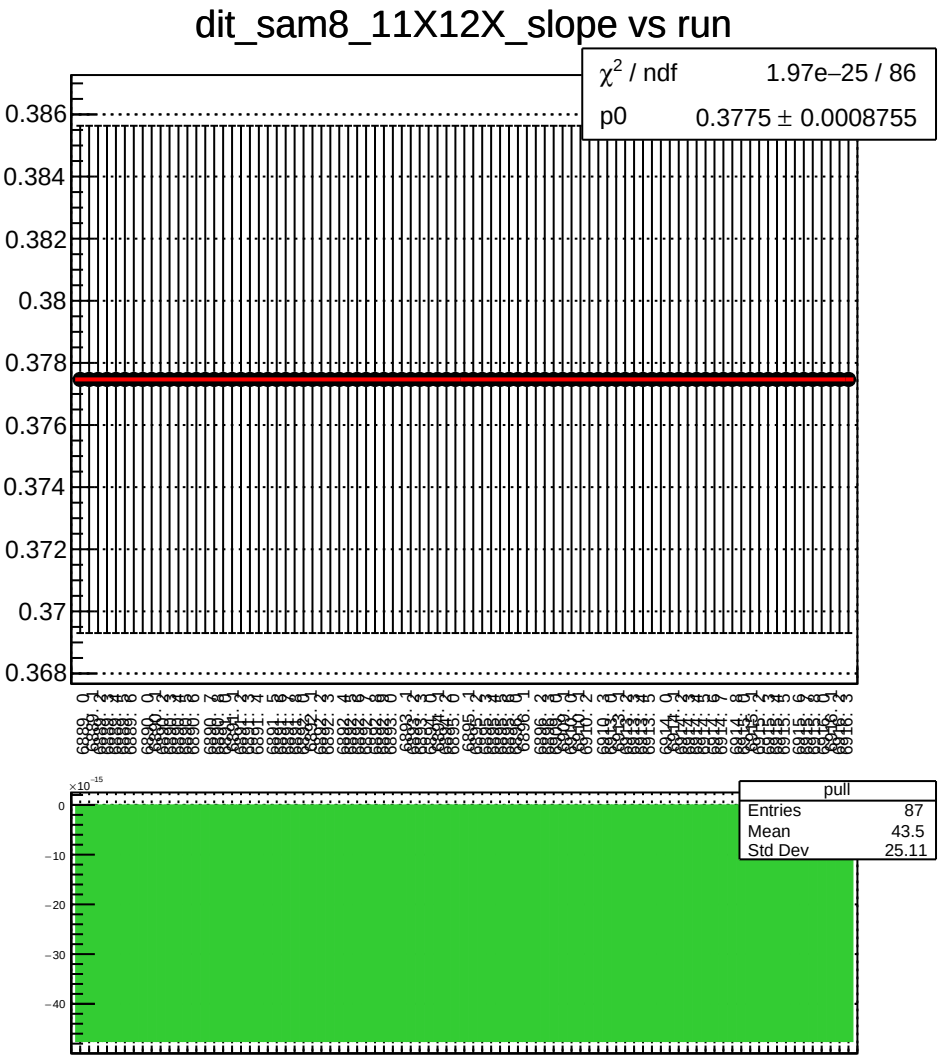


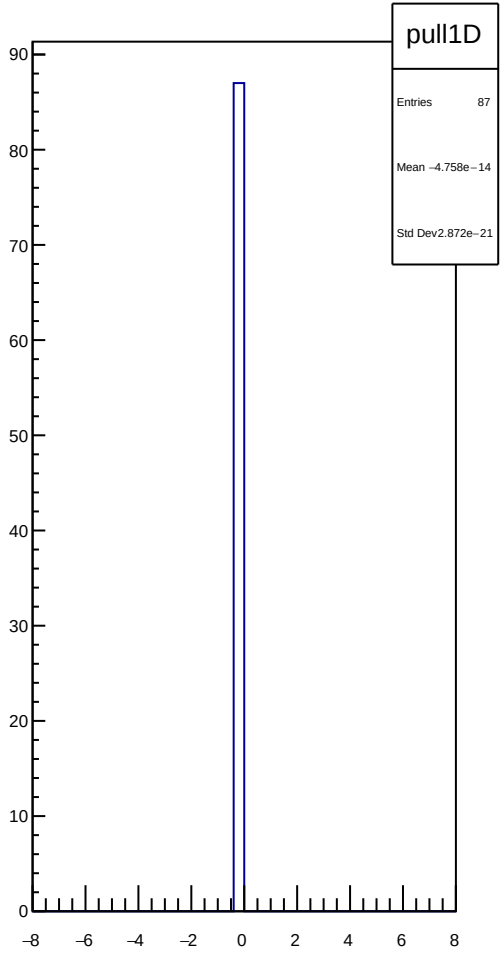


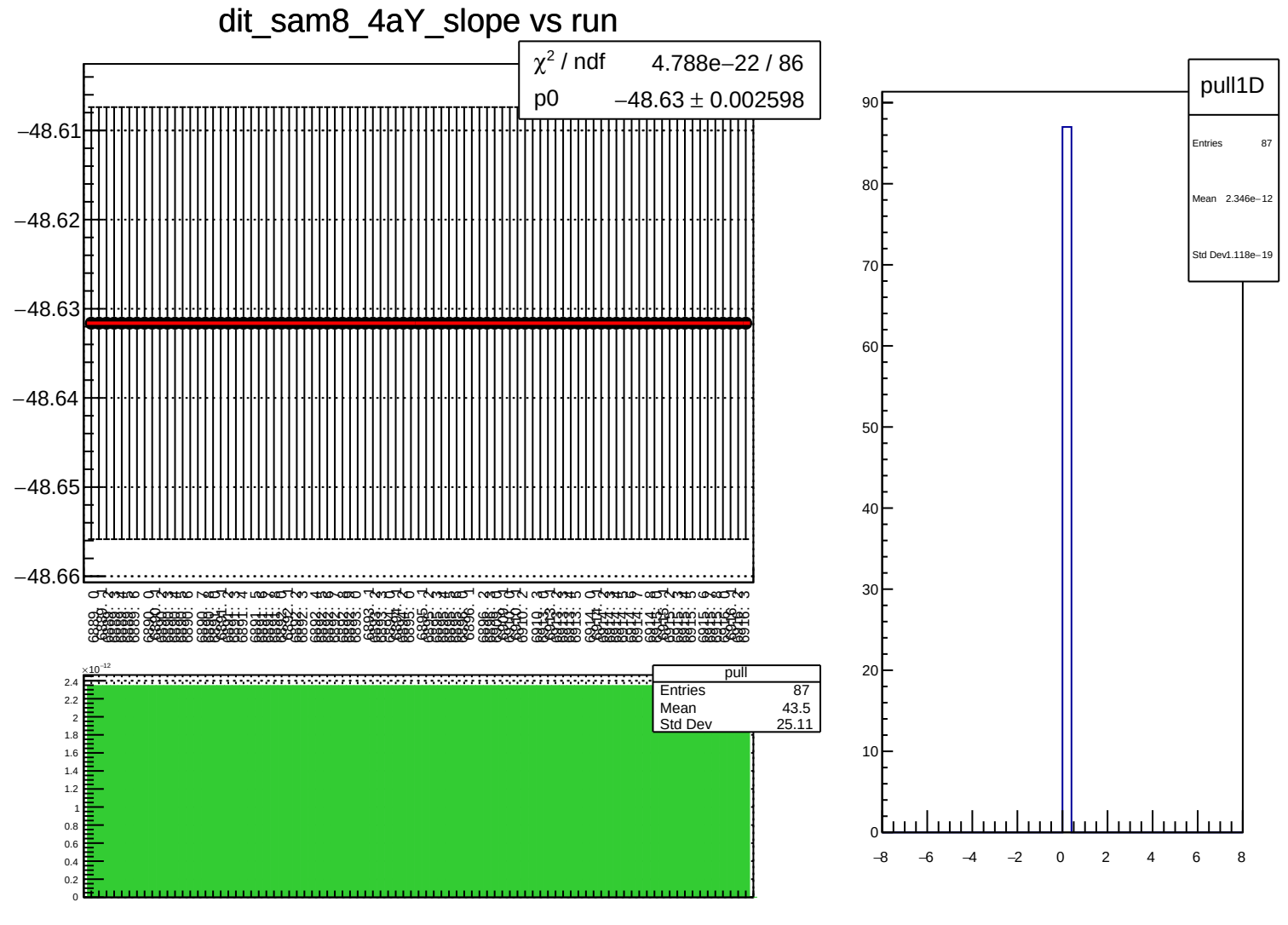
dit_sam8_4eX_slope vs run

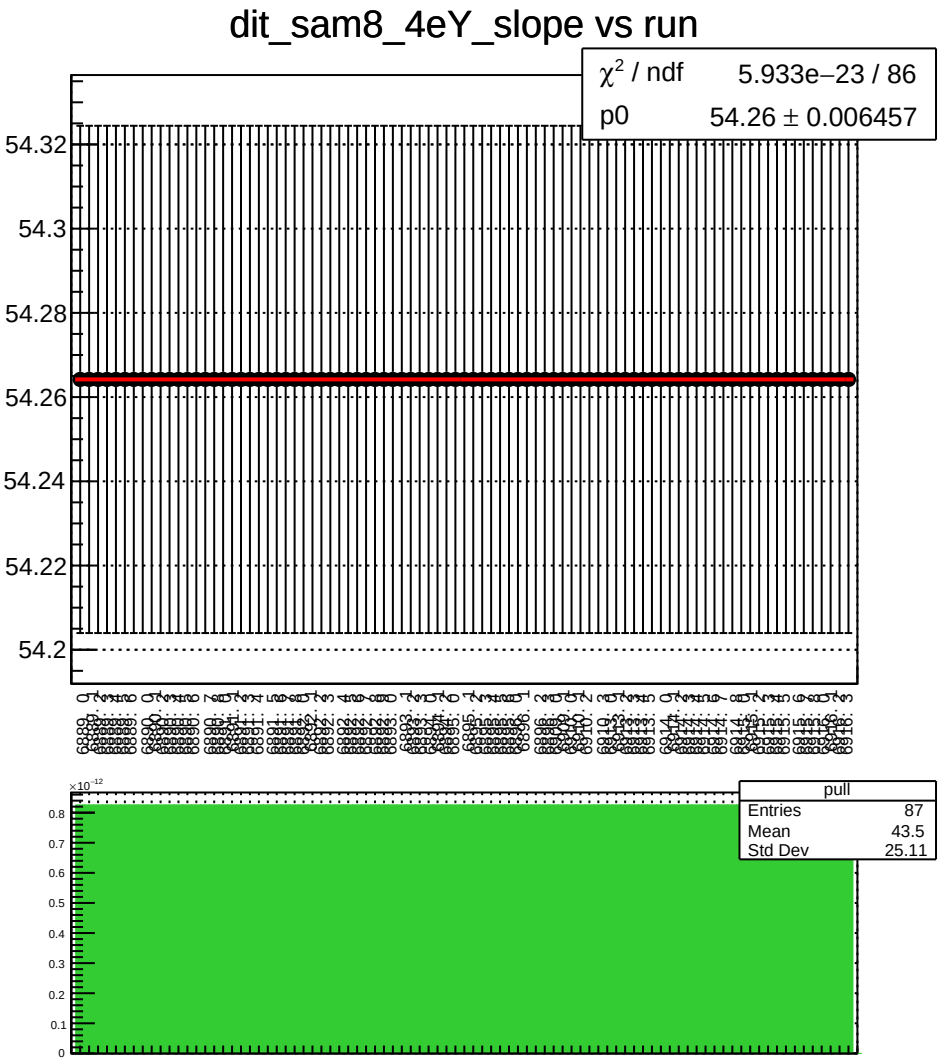


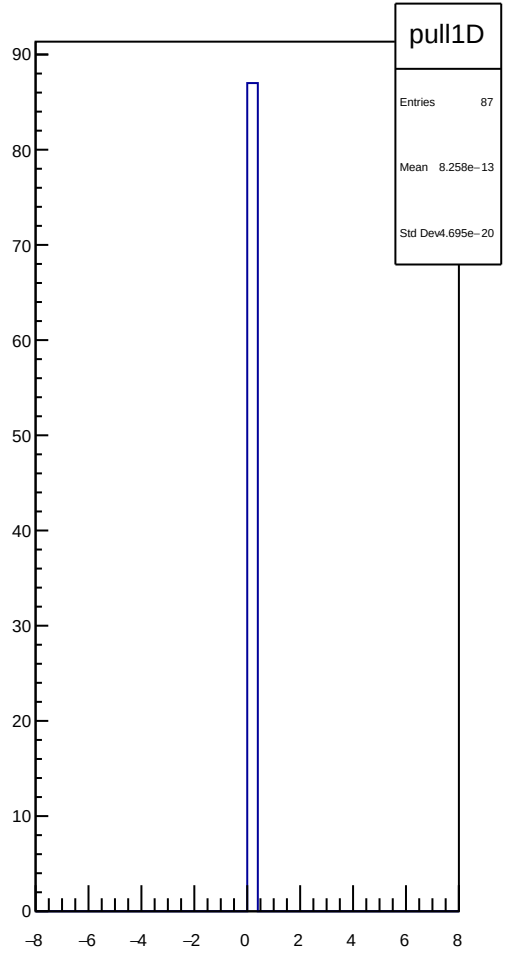


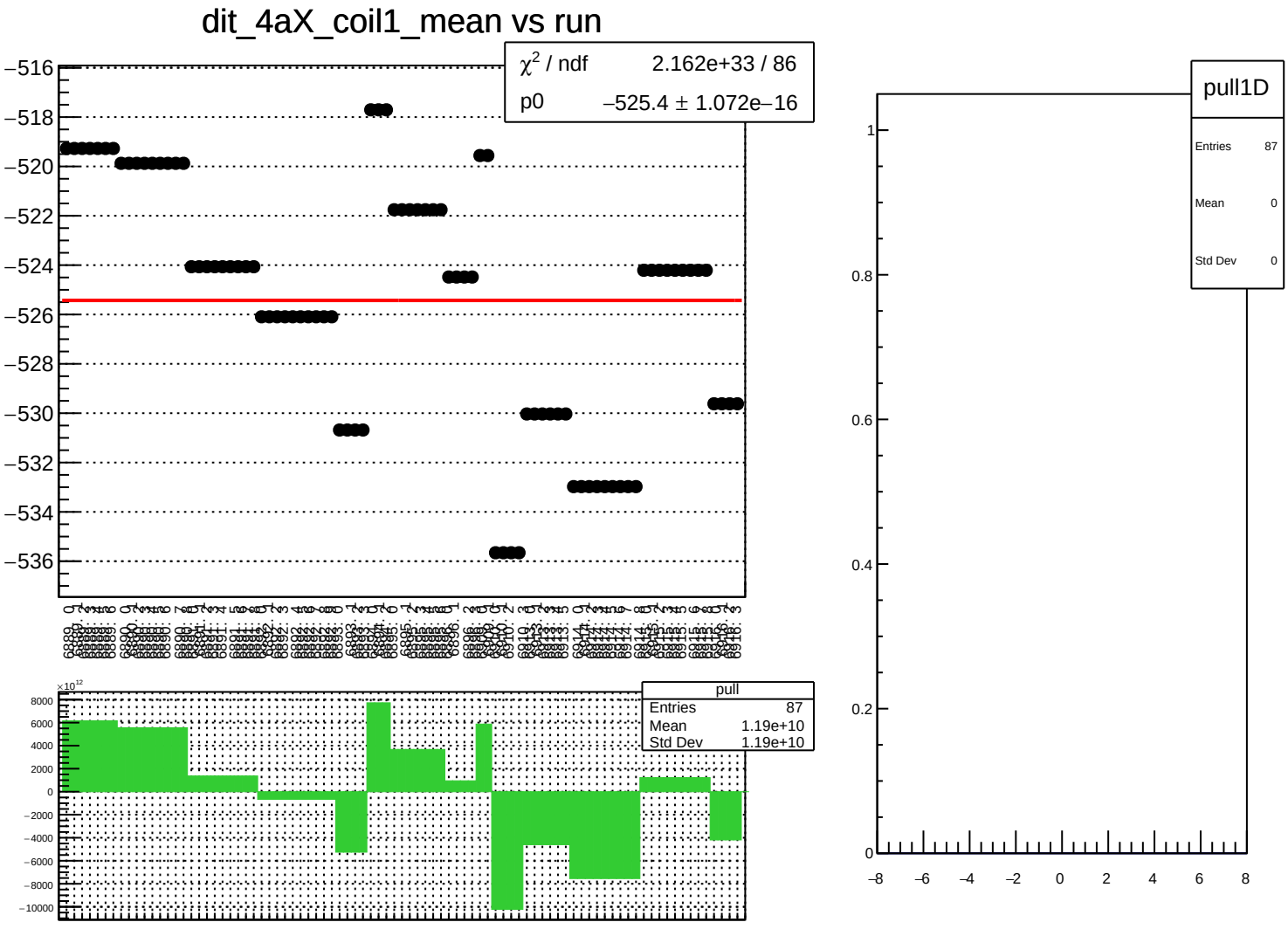

dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.97e−25 / 86
p0 0.3775 ± 0.0008755
0.386
0.384
0.382
0.38
0.378
0.376
0.374
0.372
0.37
0.368
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40

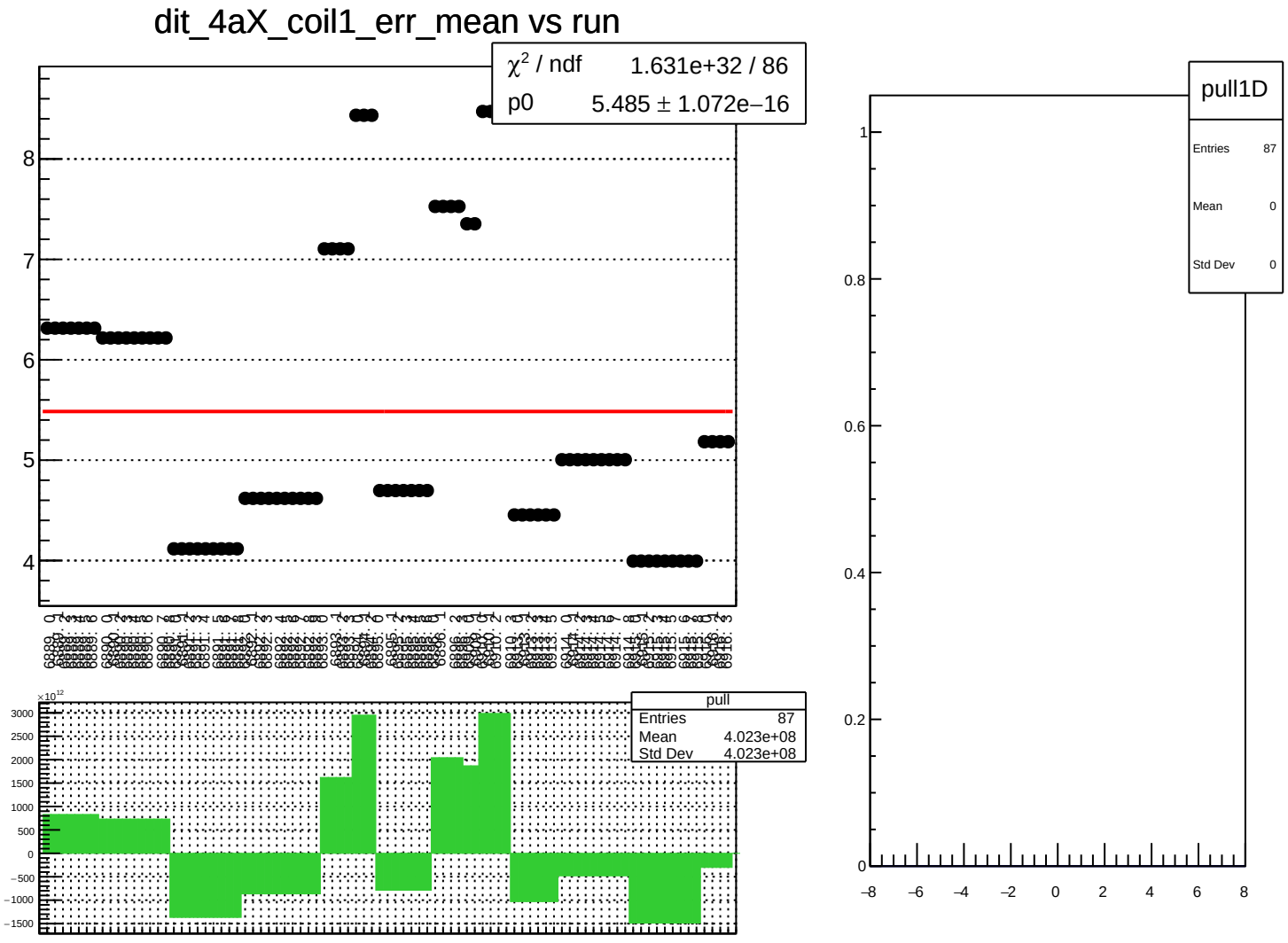

pull1D
Entries 87
Mean −4.758e−14
Std Dev2.872e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

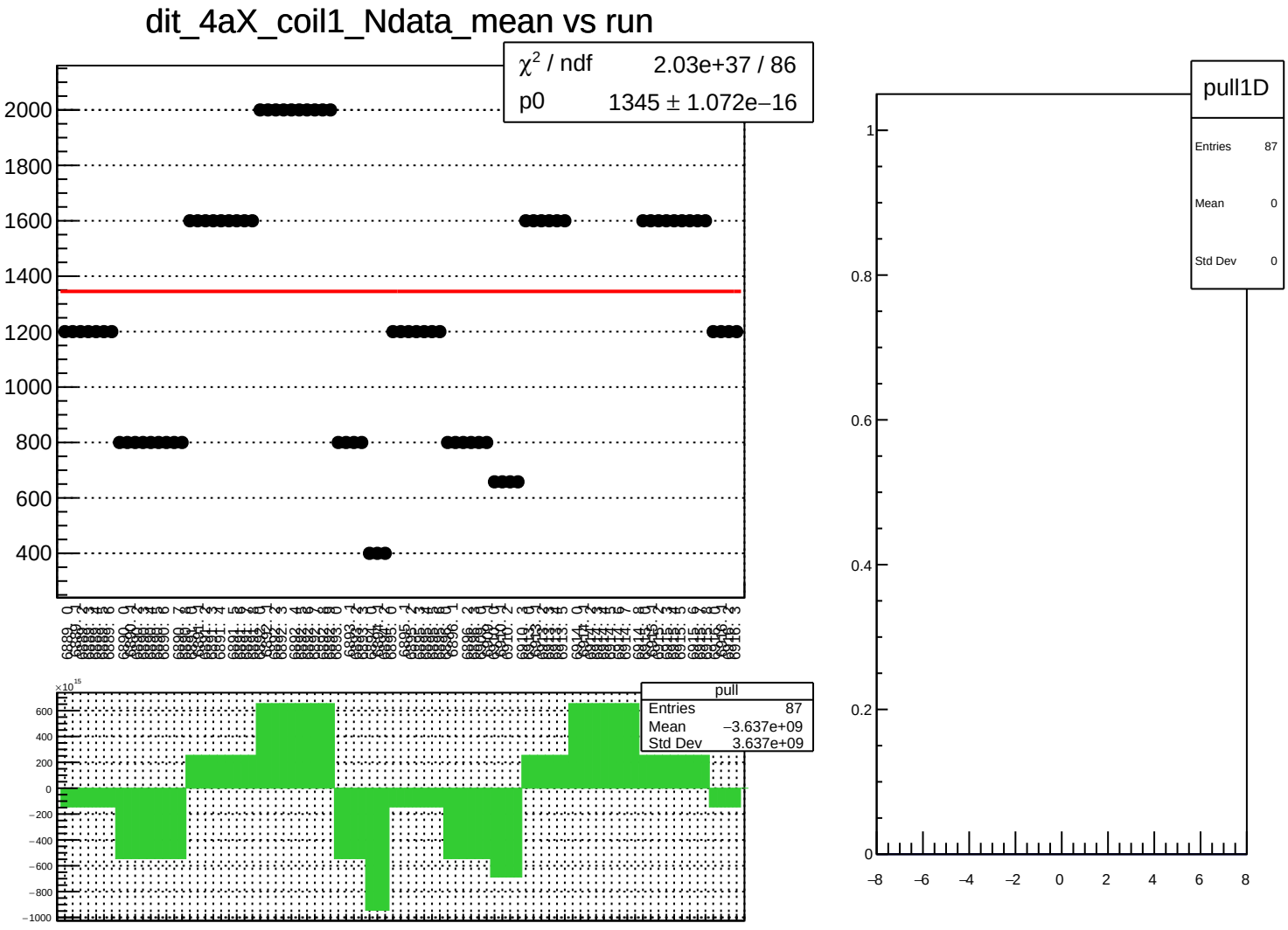

dit_sam8_4aY_slope vs run
χ^2 / ndf 4.788e−22 / 86
p0 −48.63 ± 0.002598
−48.61
−48.62
−48.63
−48.64
−48.65
−48.66
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
pull1D
Entries 87
Mean 2.346e−12
Std Dev 1.118e−19


dit_sam8_4eY_slope vs run
χ^2 / ndf 5.933e−23 / 86
p0 54.26 ± 0.006457
54.32
54.3
54.28
54.26
54.24
54.22
54.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

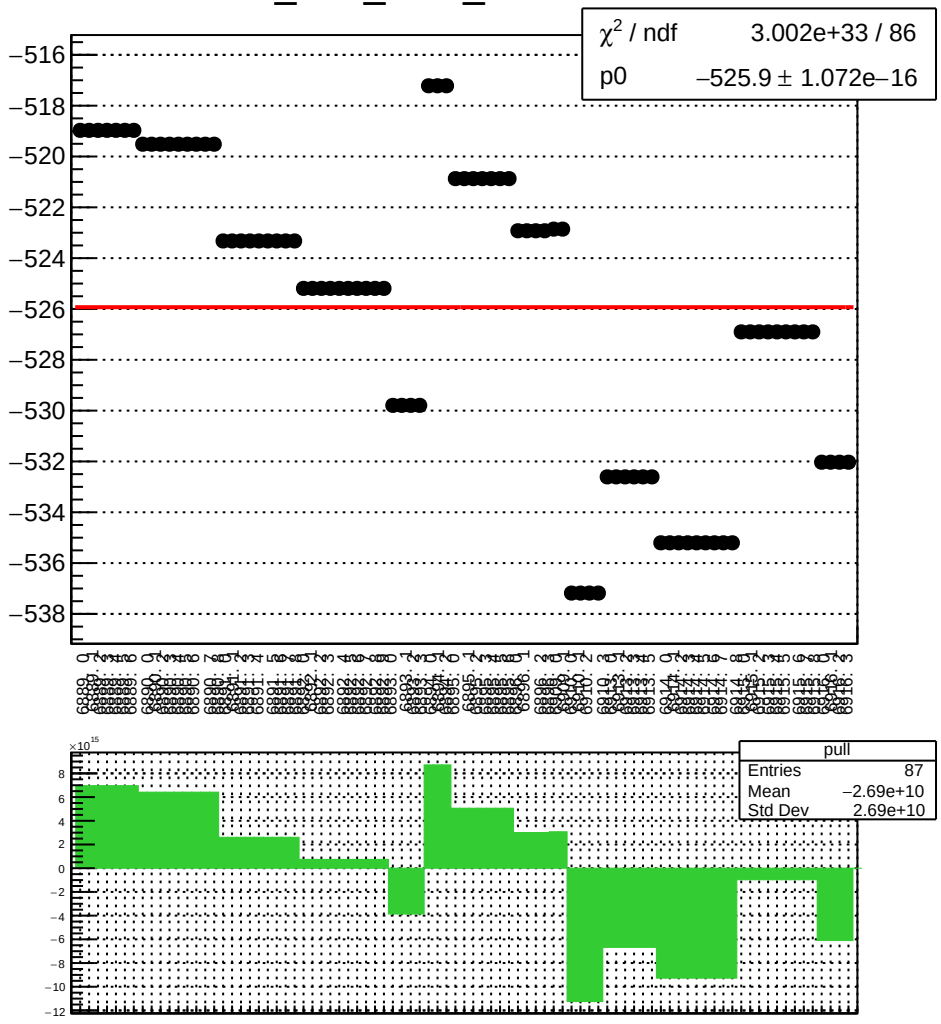

pull1D
Entries 87
Mean 8.258e−13
Std Dev 4.695e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

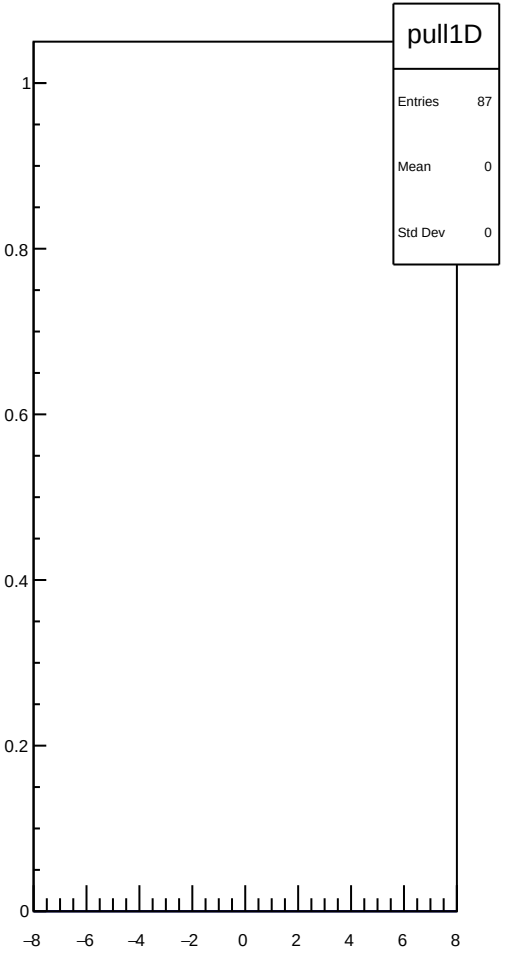

dit_4aX_coil1_mean vs run
χ² / ndf 2.162e+33 / 86
p0 −525.4 ± 1.072e−16
pull
Entries 87
Mean 1.19e+10
Std Dev 1.19e+10
pull1D
Entries 87
Mean 0
Std Dev 0

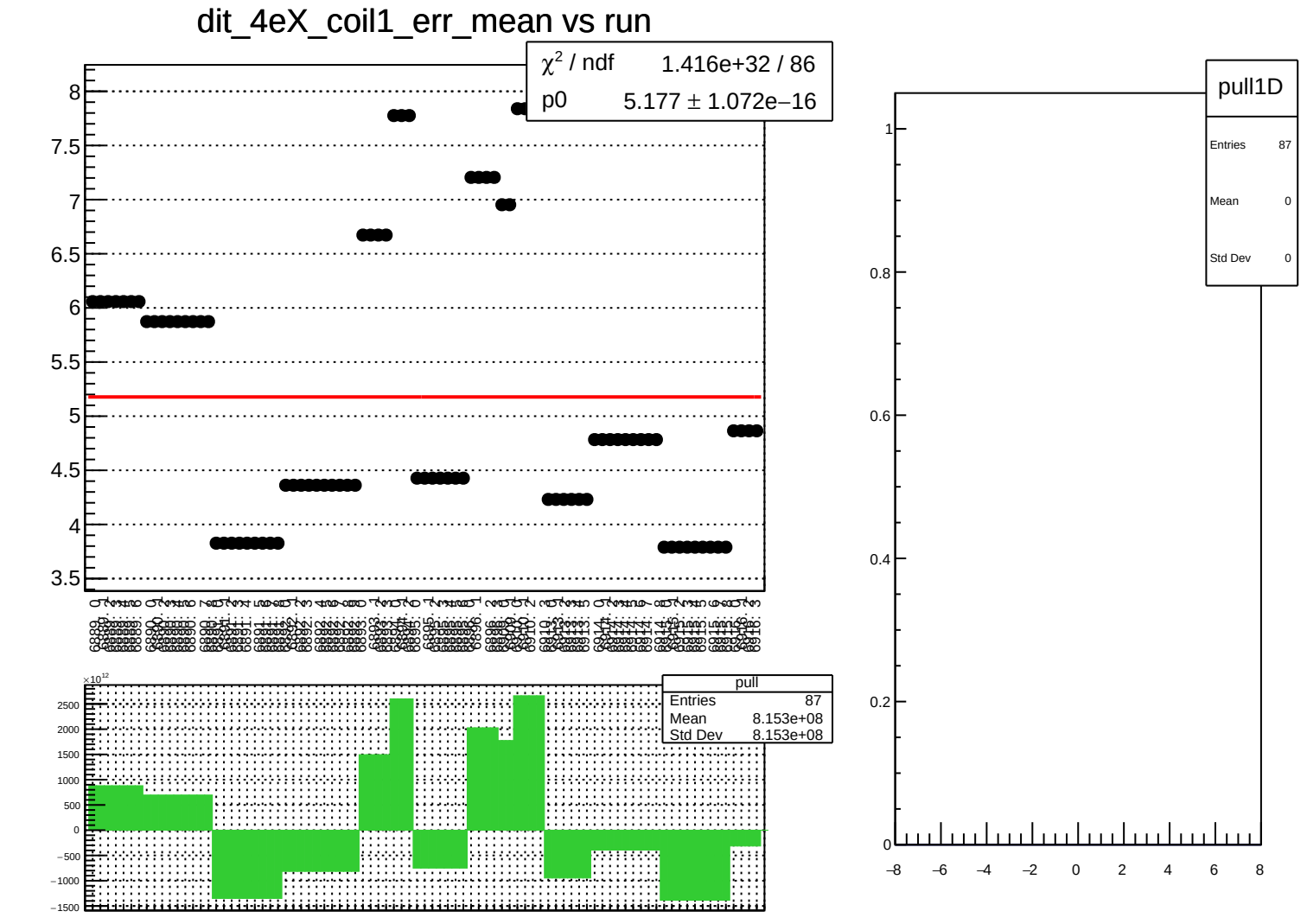

dit_4aX_coil1_err_mean vs run
χ^2 / ndf 1.631e+32 / 86
p0 5.485 ± 1.072e−16
pull
Entries 87
Mean 4.023e+08
Std Dev 4.023e+08
pull1D
Entries 87
Mean 0
Std Dev 0


dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

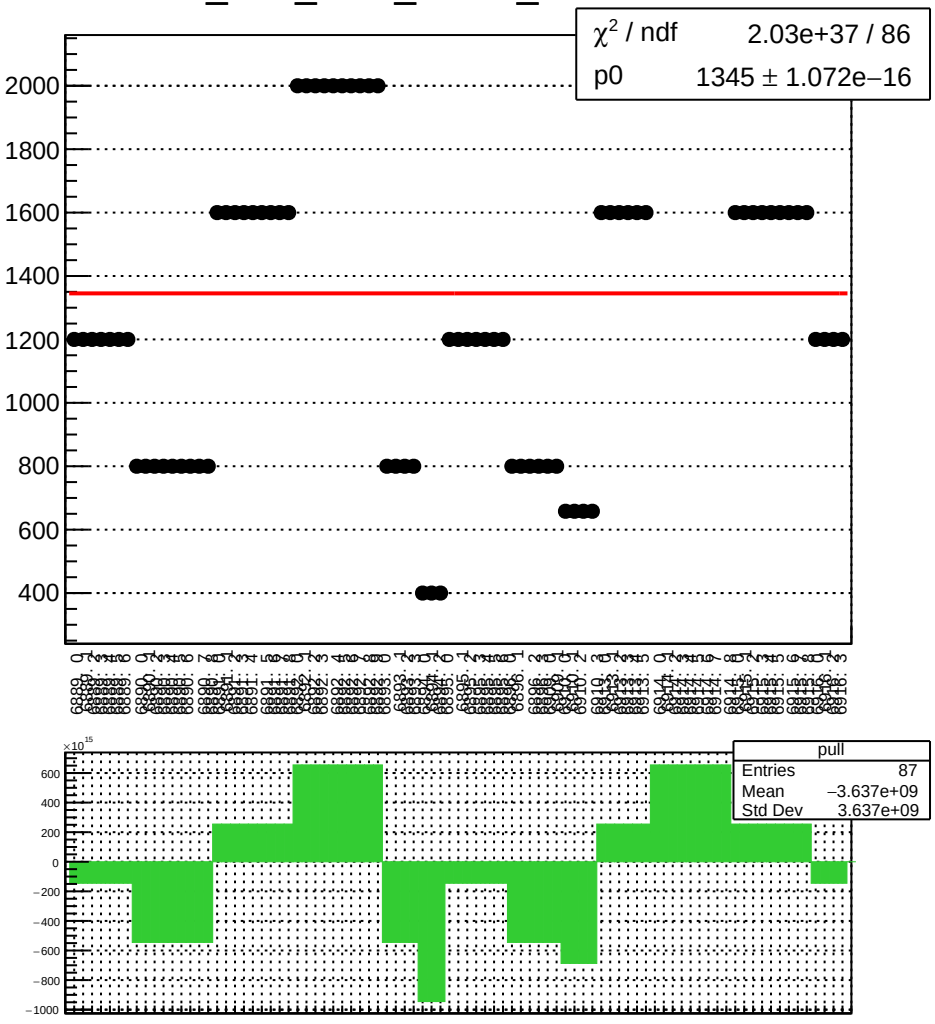
dit_4eX_coil1_mean vs run

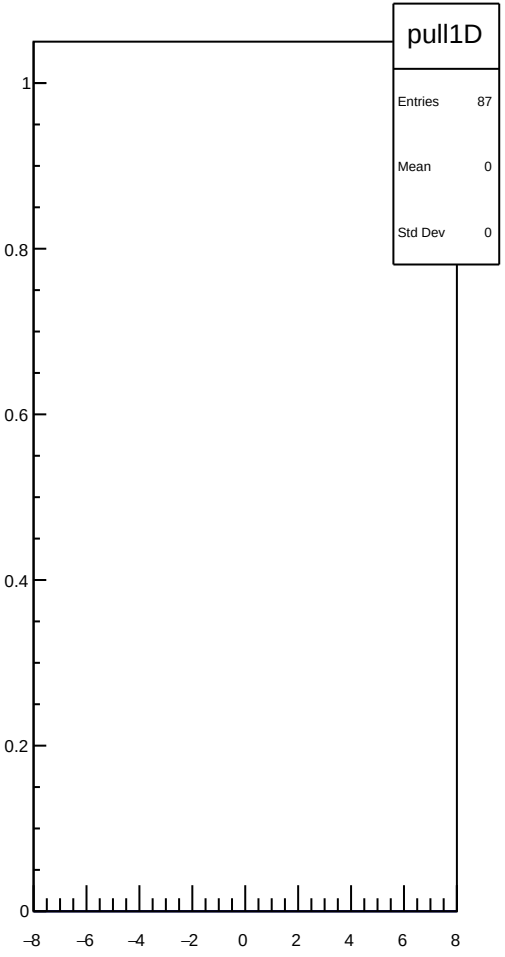


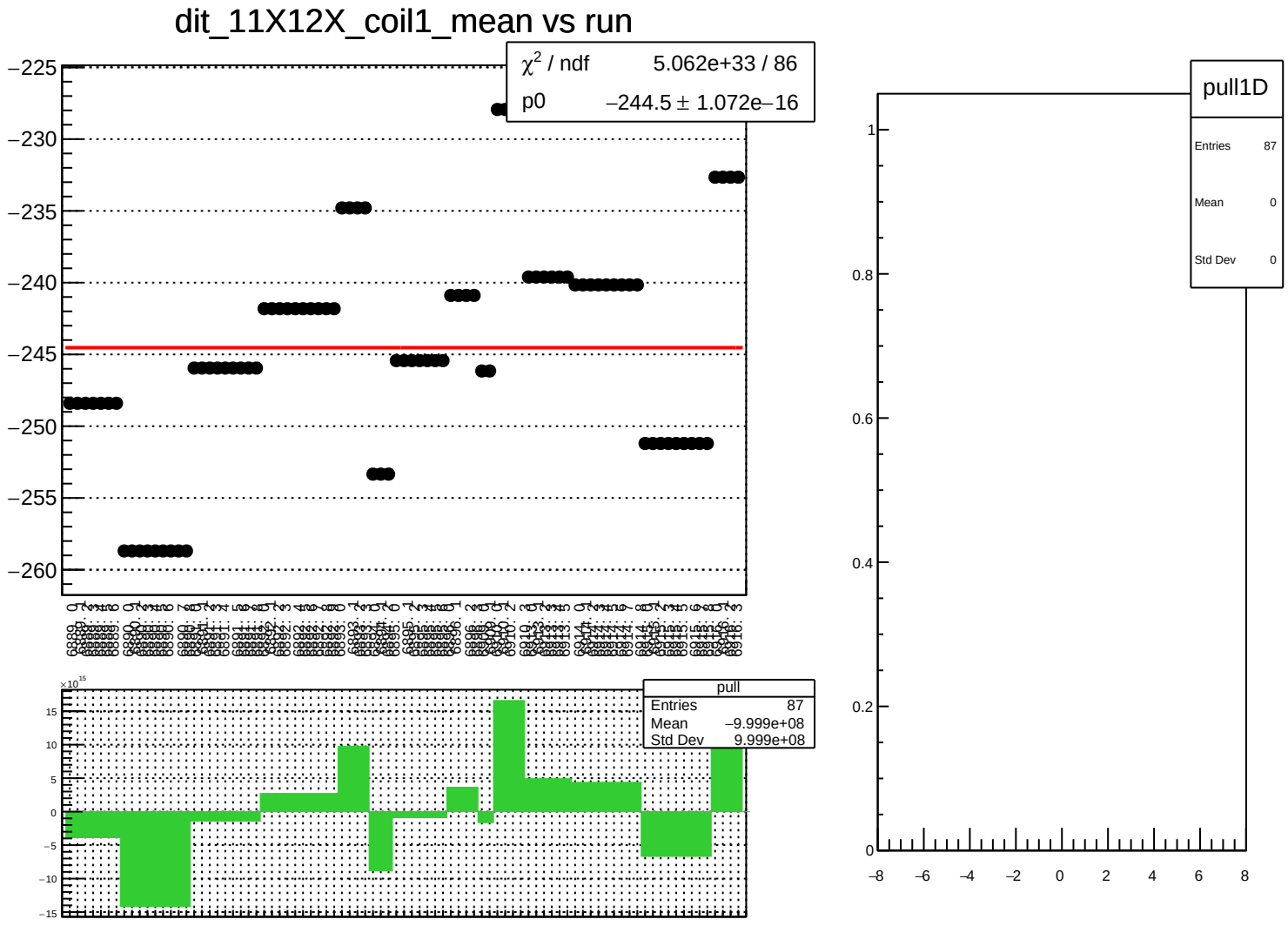



dit_4eX_coil1_err_mean vs run
χ² / ndf 1.416e+32 / 86
p0 5.177 ± 1.072e−16
pull
Entries 87
Mean 8.153e+08
Std Dev 8.153e+08
pull1D
Entries 87
Mean 0
Std Dev 0

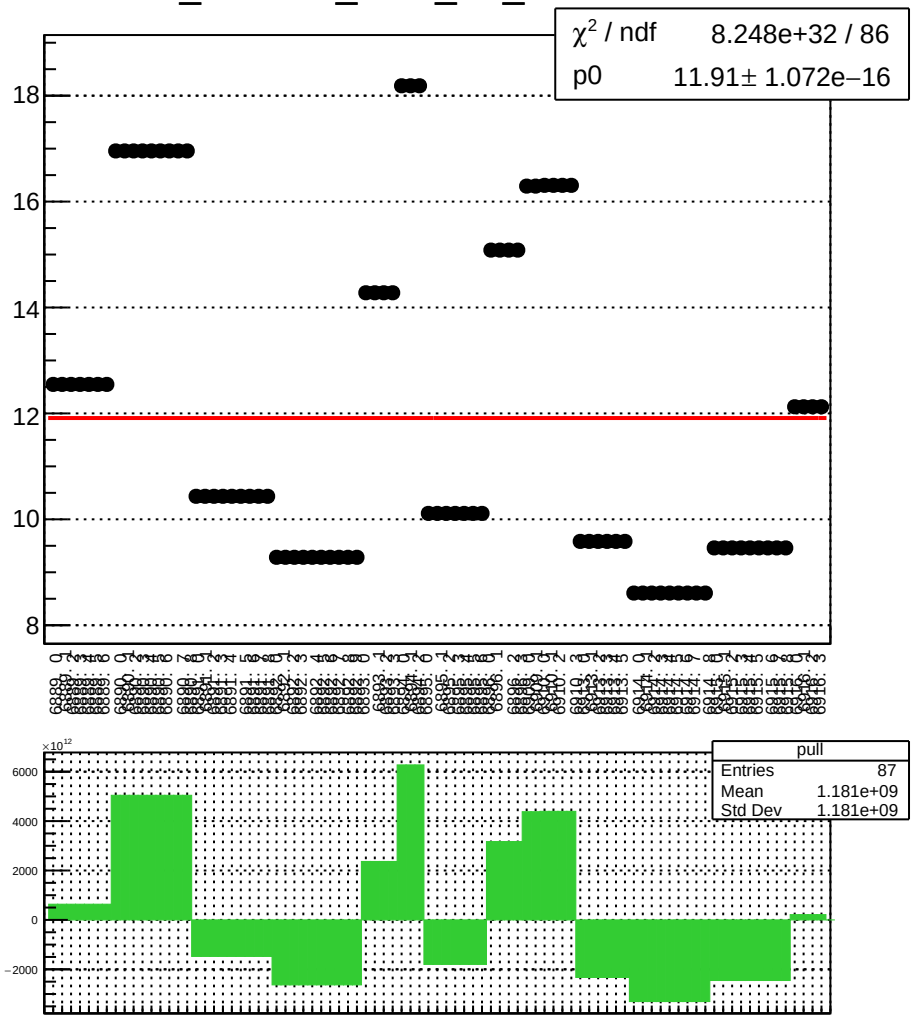
dit_4eX_coil1_Ndata_mean vs run

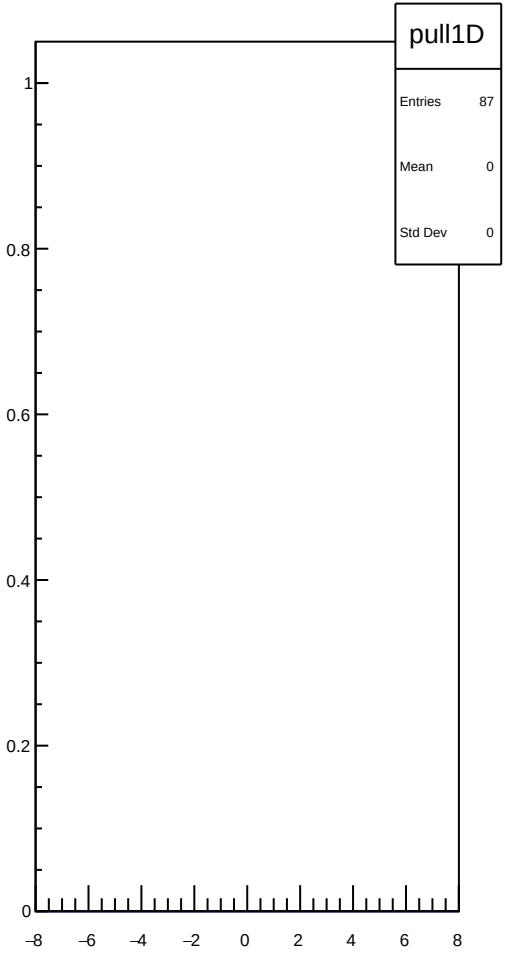




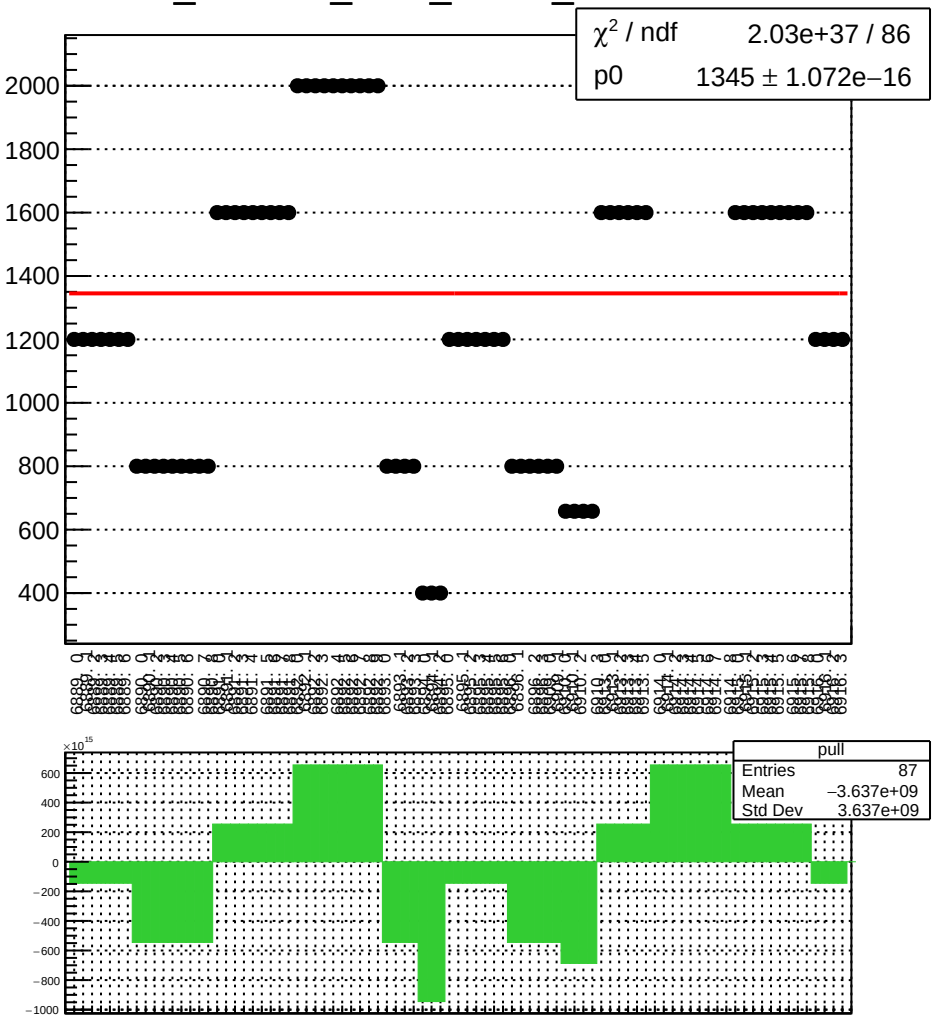

dit_11X12X_coil1_mean vs run
χ² / ndf 5.062e+33 / 86
p0 −244.5 ± 1.072e−16
pull
Entries 87
Mean −9.999e+08
Std Dev 9.999e+08
pull1D
Entries 87
Mean 0
Std Dev 0

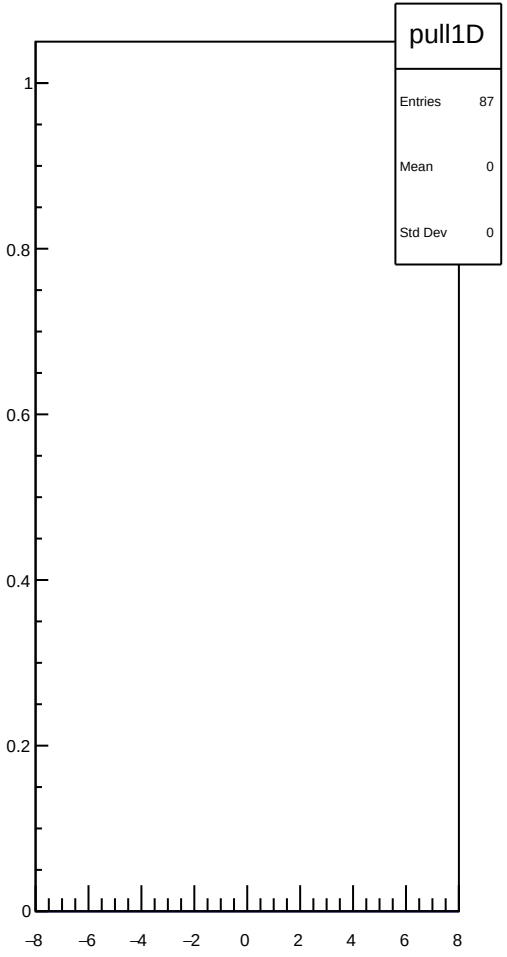
dit_11X12X_coil1_err_mean vs run

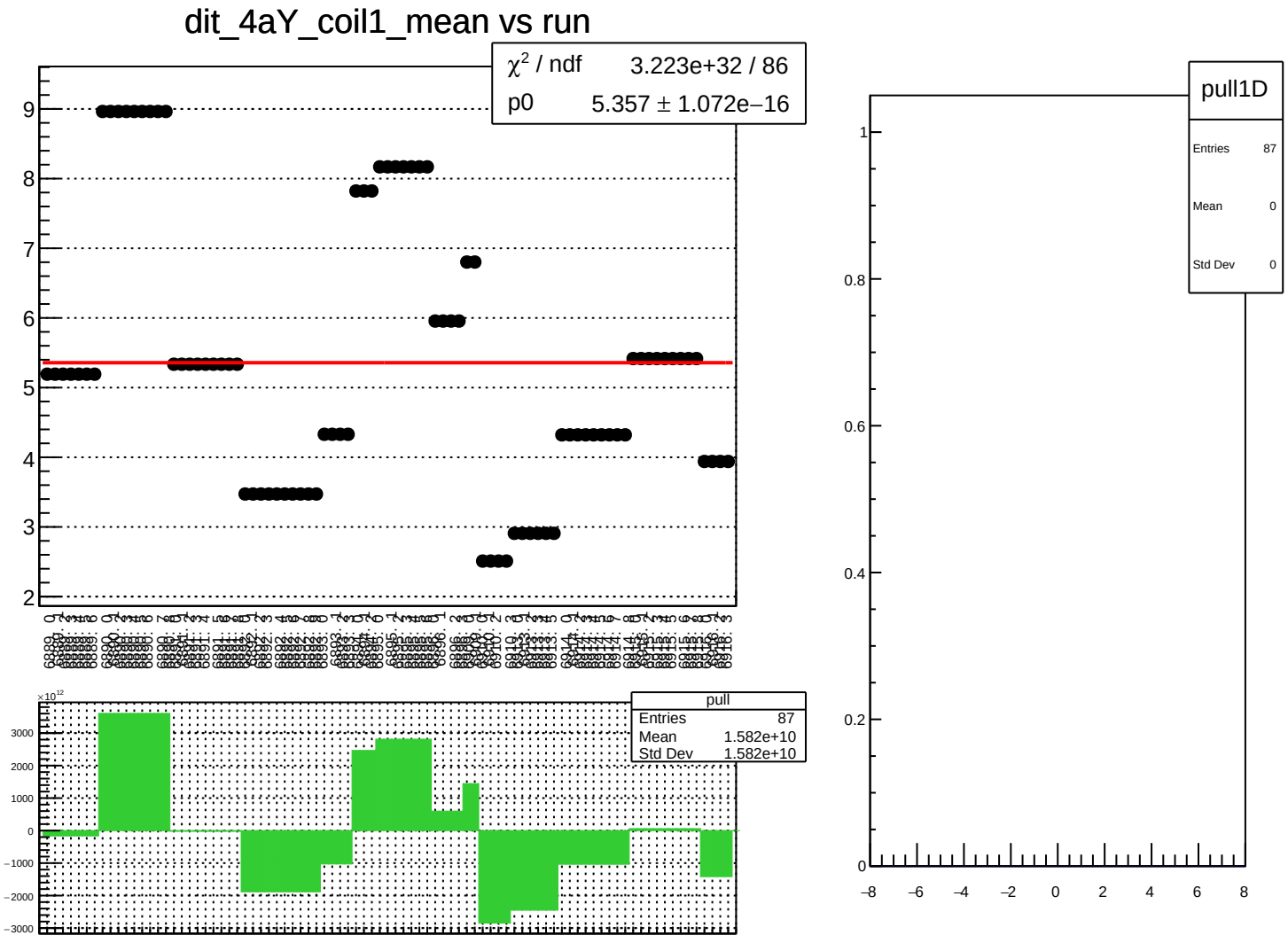


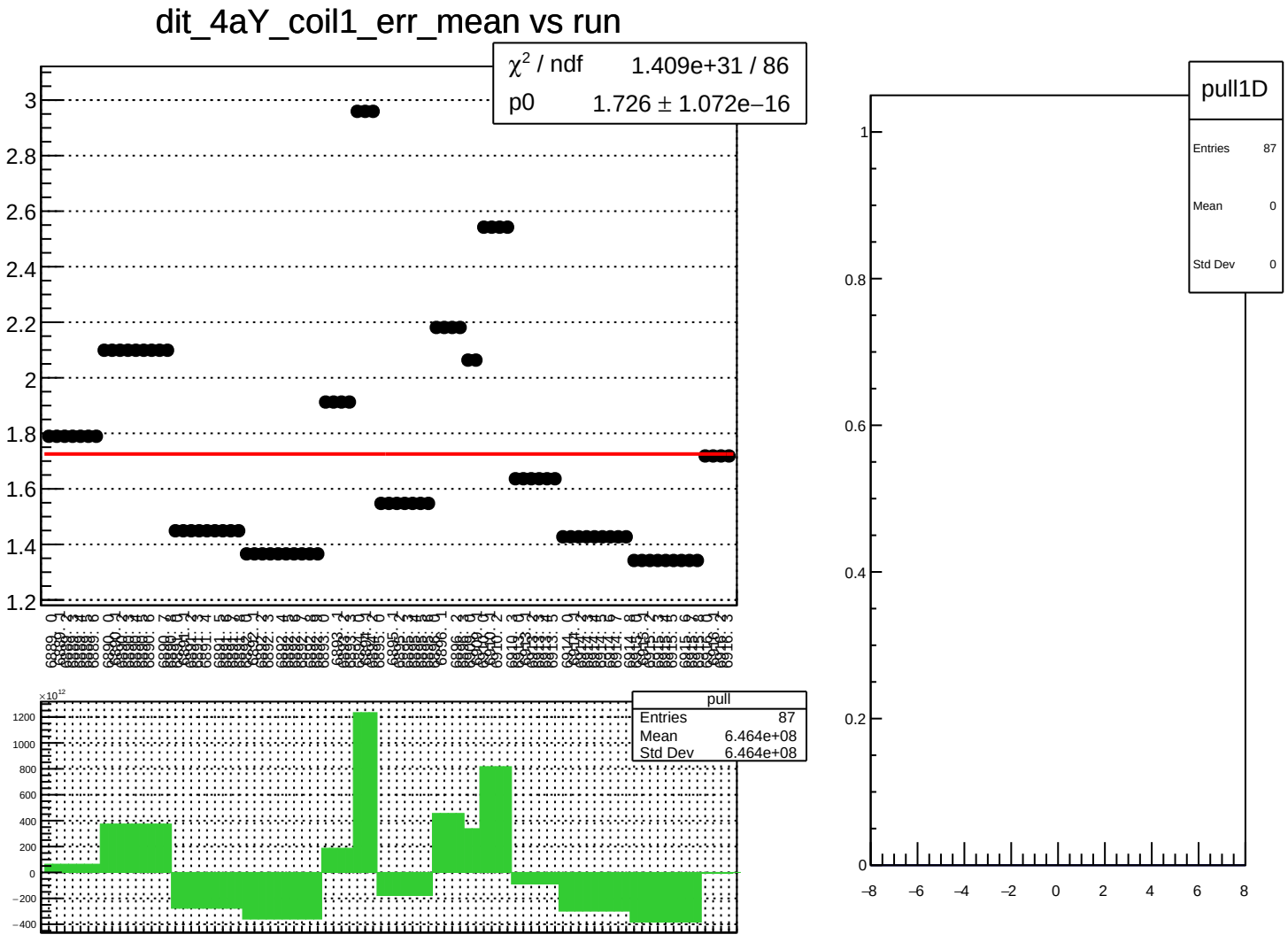


dit_11X12X_coil1_Ndata_mean vs run

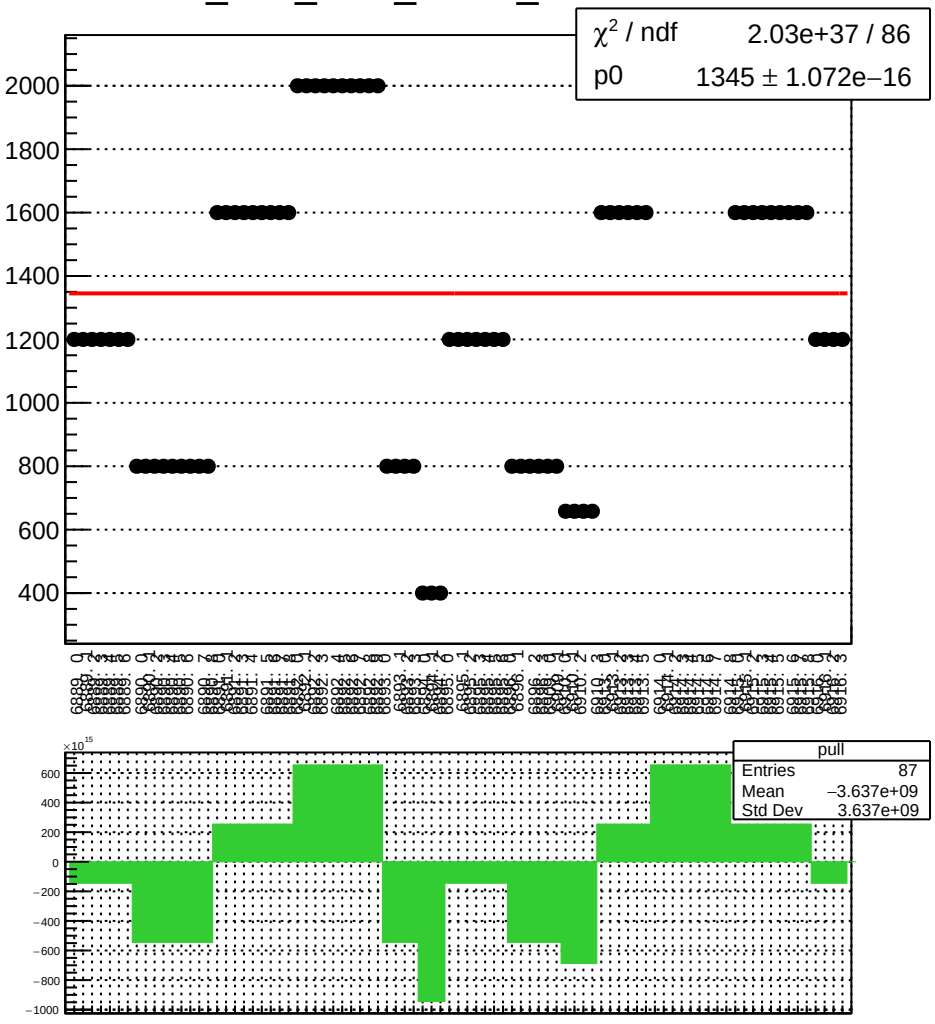


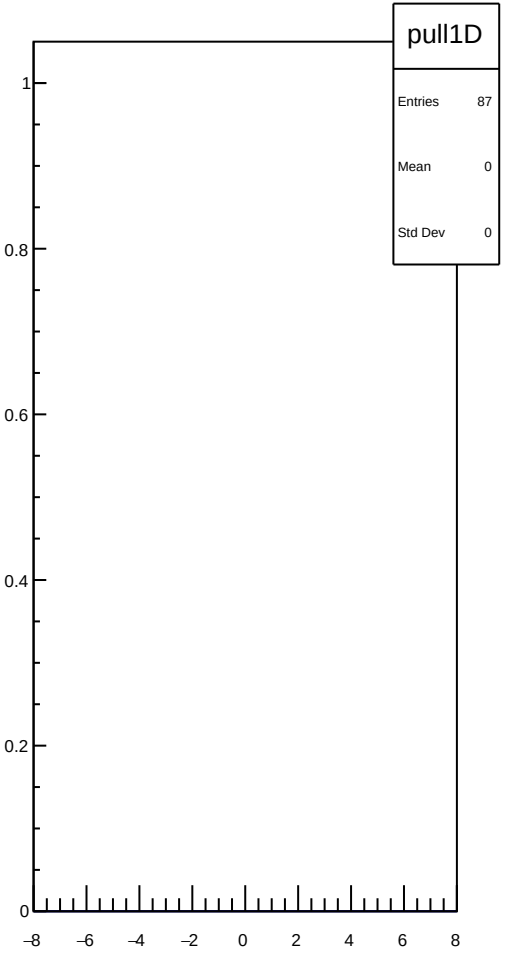


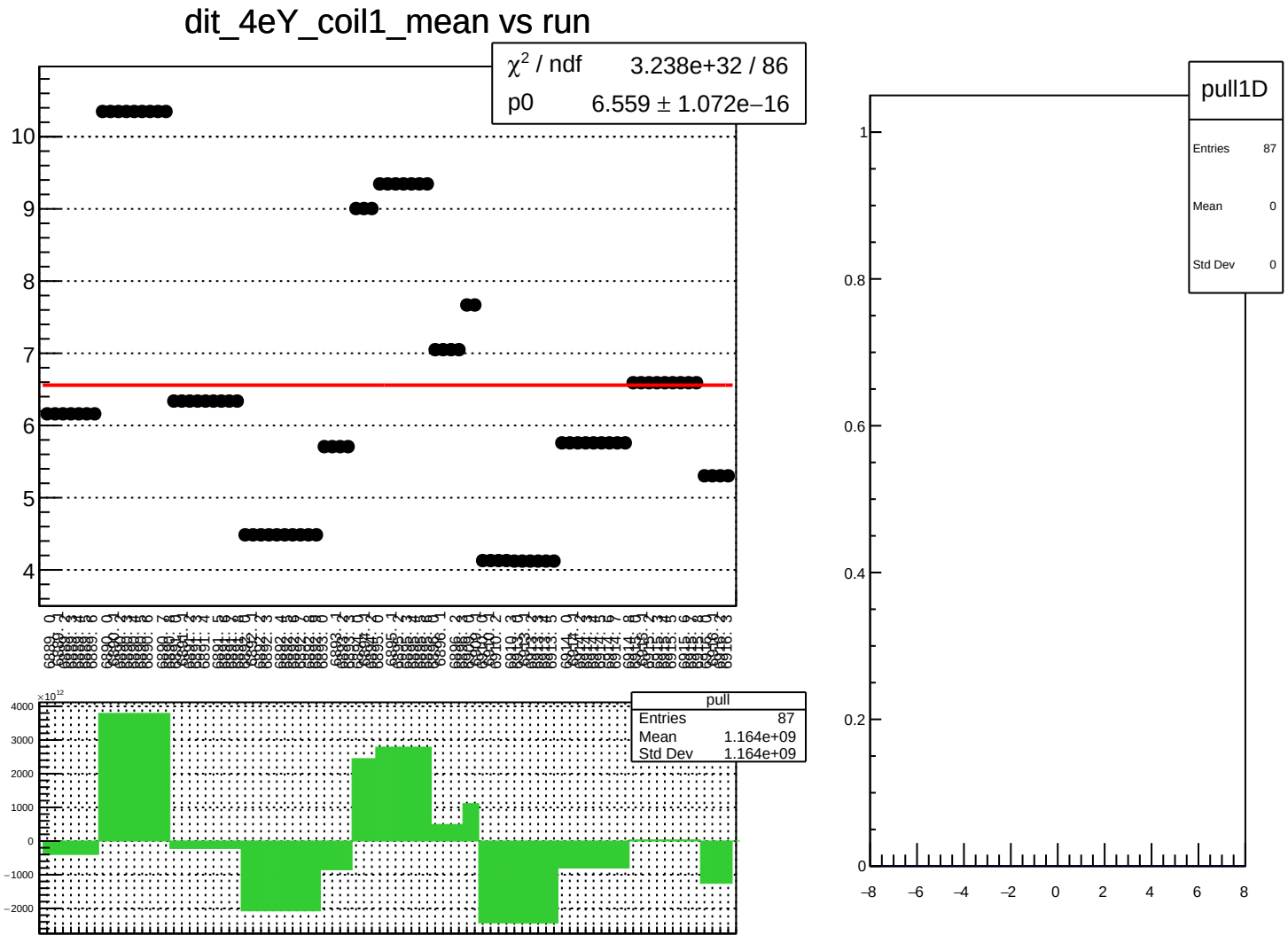

dit_4aY_coil1_mean vs run
χ^2 / ndf 3.223e+32 / 86
p0 5.357 ± 1.072e−16
pull
Entries 87
Mean 1.582e+10
Std Dev 1.582e+10
pull1D
Entries 87
Mean 0
Std Dev 0

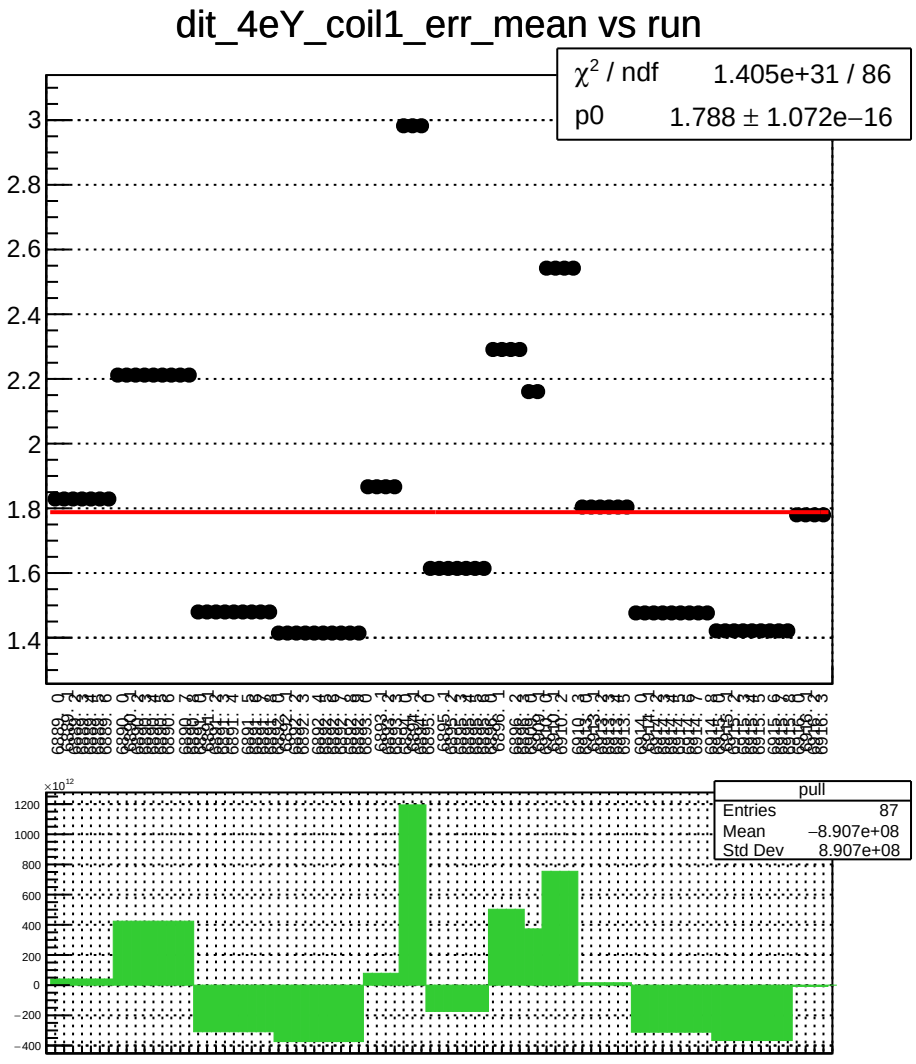

dit_4aY_coil1_err_mean vs run
χ² / ndf 1.409e+31 / 86
p0 1.726 ± 1.072e−16
pull
Entries 87
Mean 6.464e+08
Std Dev 6.464e+08
pull1D
Entries 87
Mean 0
Std Dev 0

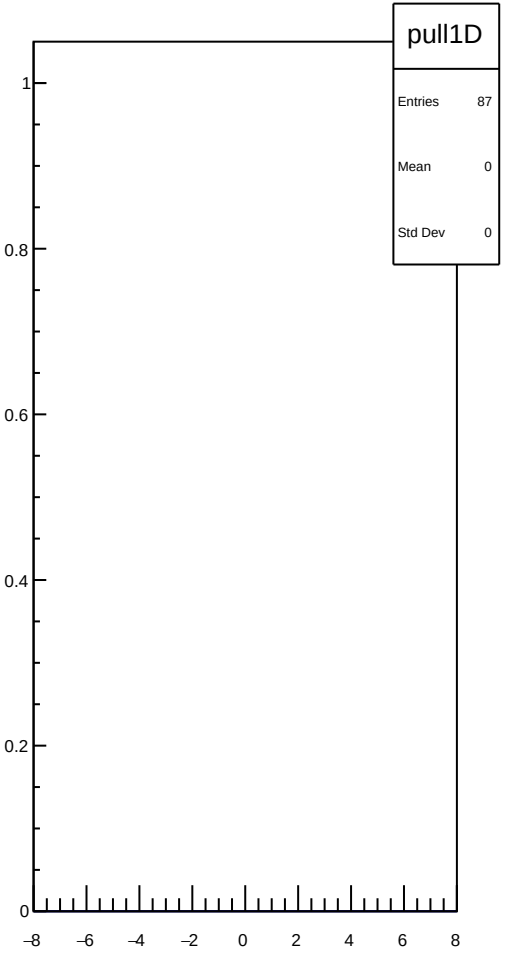
dit_4aY_coil1_Ndata_mean vs run



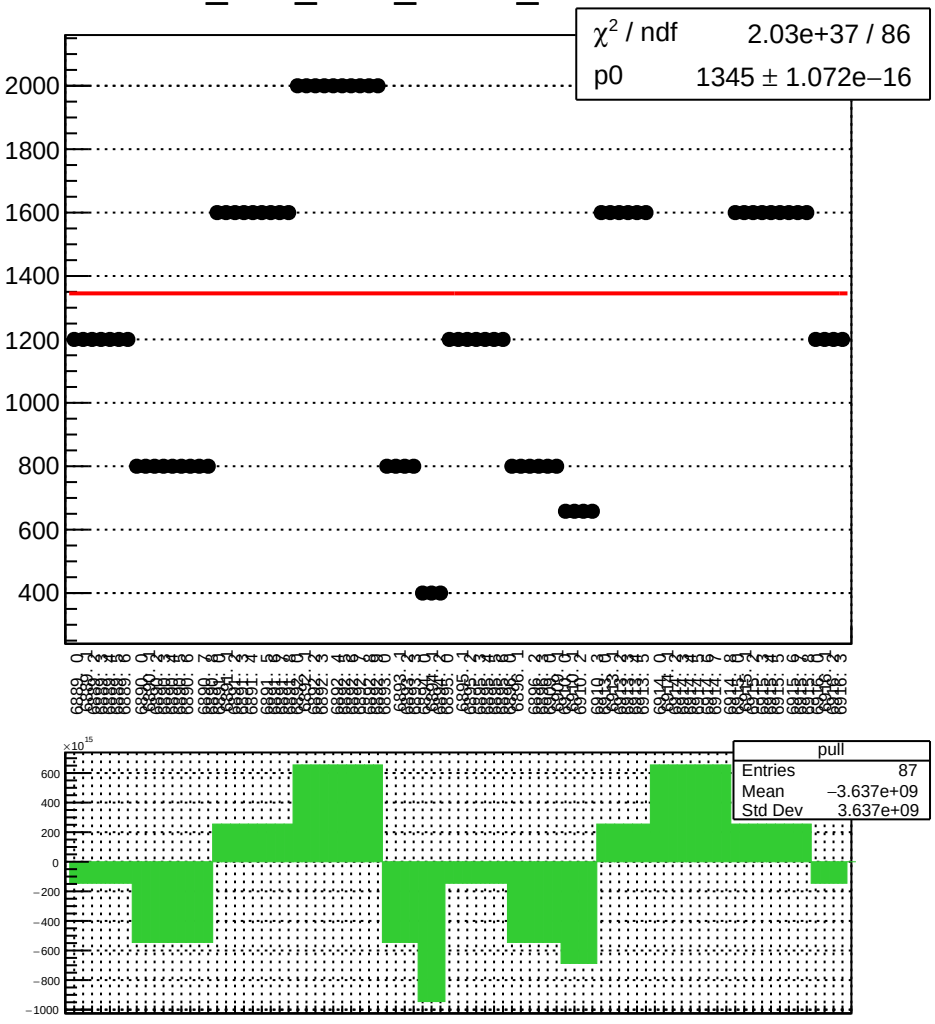


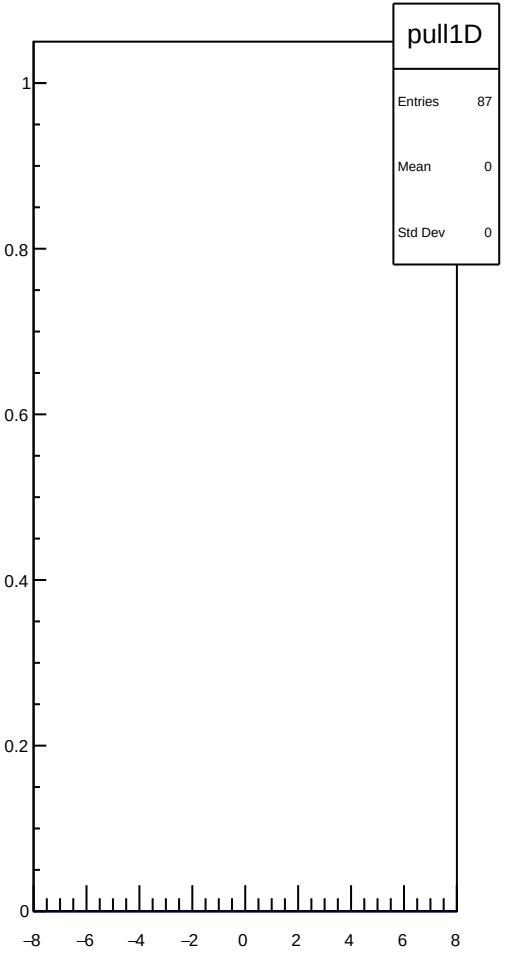

dit_4eY_coil1_mean vs run
χ² / ndf 3.238e+32 / 86
p0 6.559 ± 1.072e−16
pull
Entries 87
Mean 1.164e+09
Std Dev 1.164e+09
pull1D
Entries 87
Mean 0
Std Dev 0

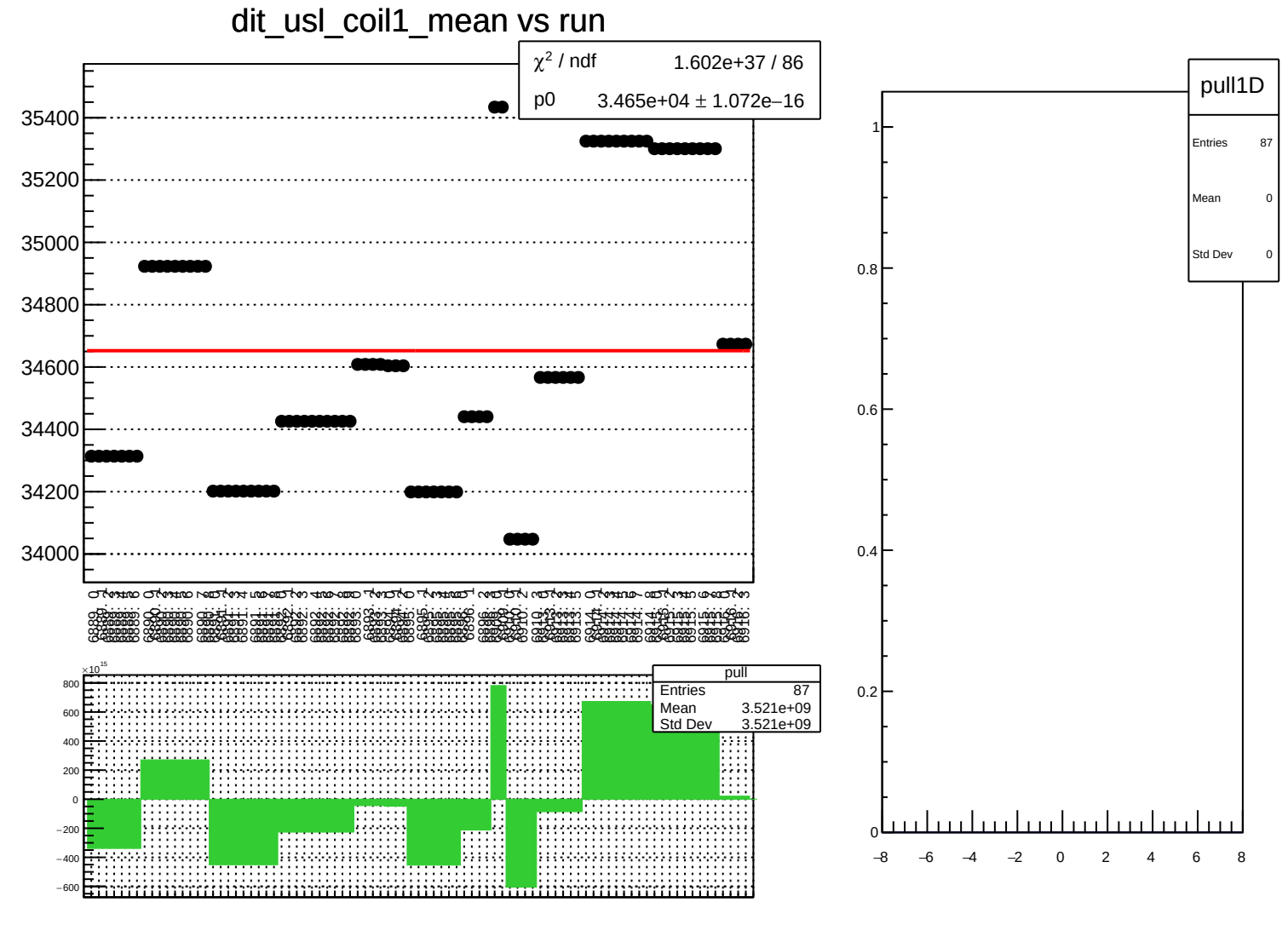

dit_4eY_coil1_err_mean vs run
χ² / ndf 1.405e+31 / 86
p0 1.788 ± 1.072e−16
pull
Entries 87
Mean −8.907e+08
Std Dev 8.907e+08

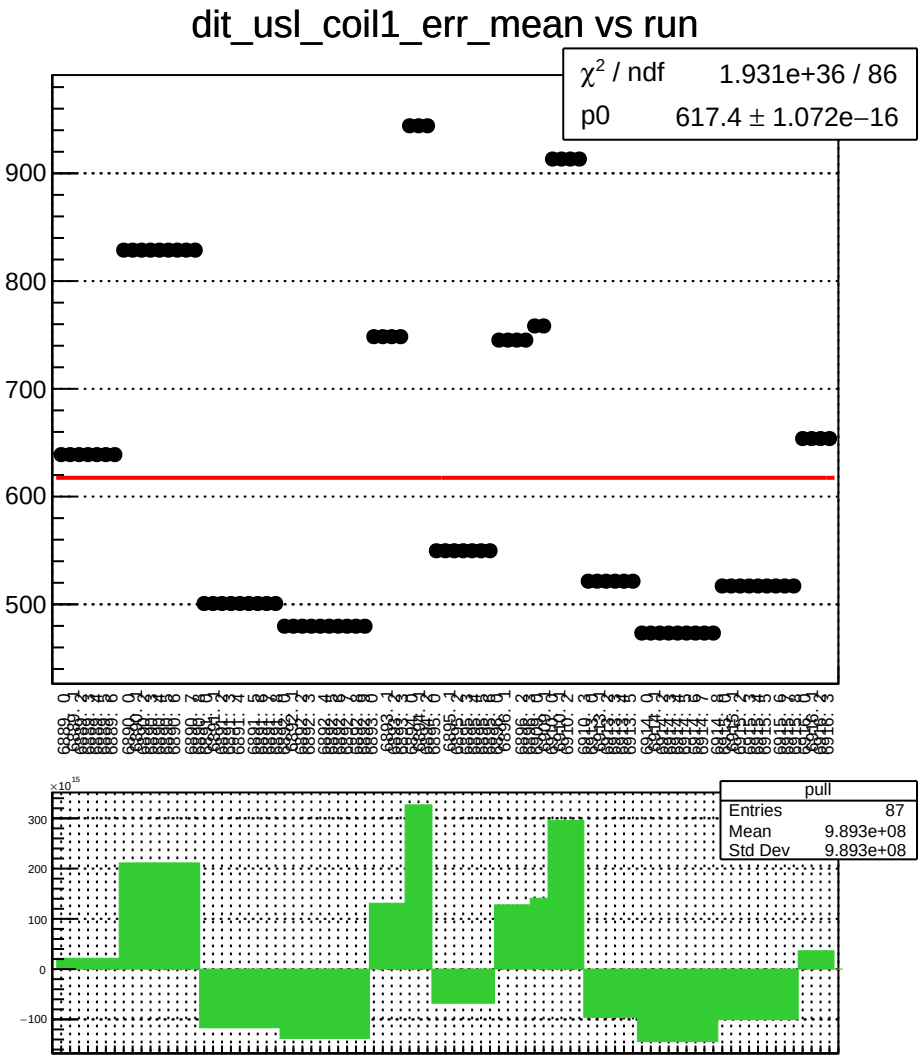

pull1D
Entries 87
Mean 0
Std Dev 0

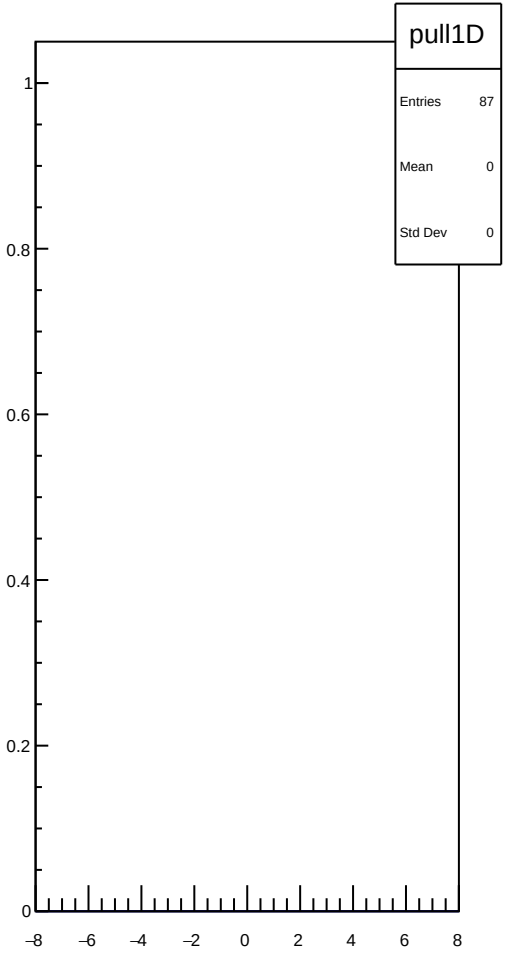
dit_4eY_coil1_Ndata_mean vs run

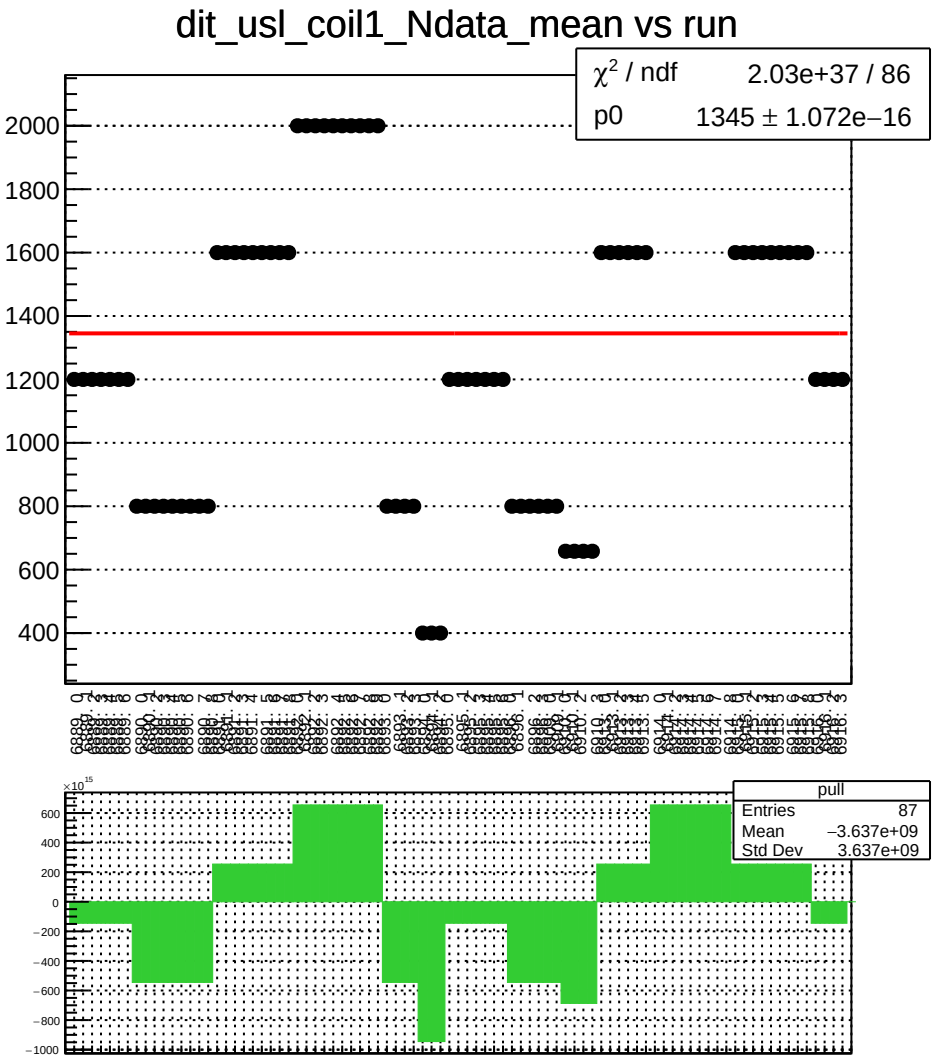


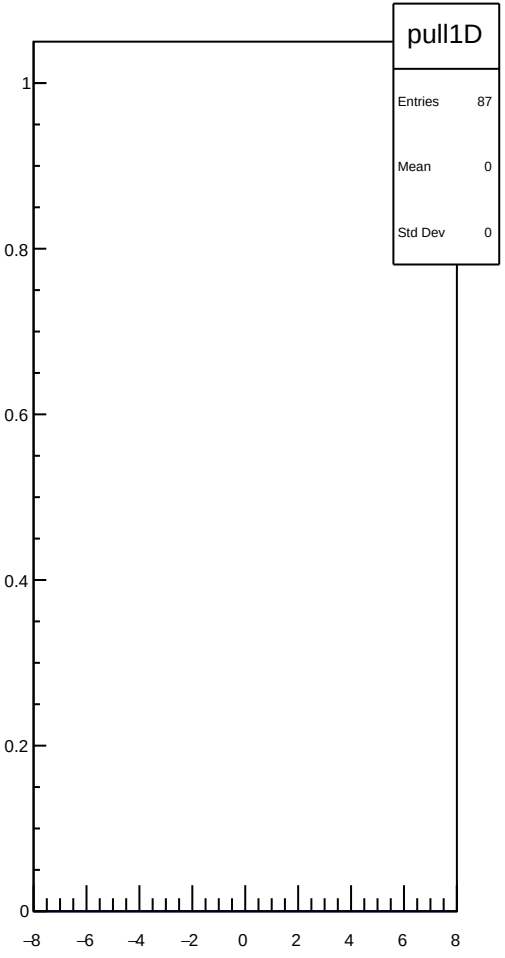


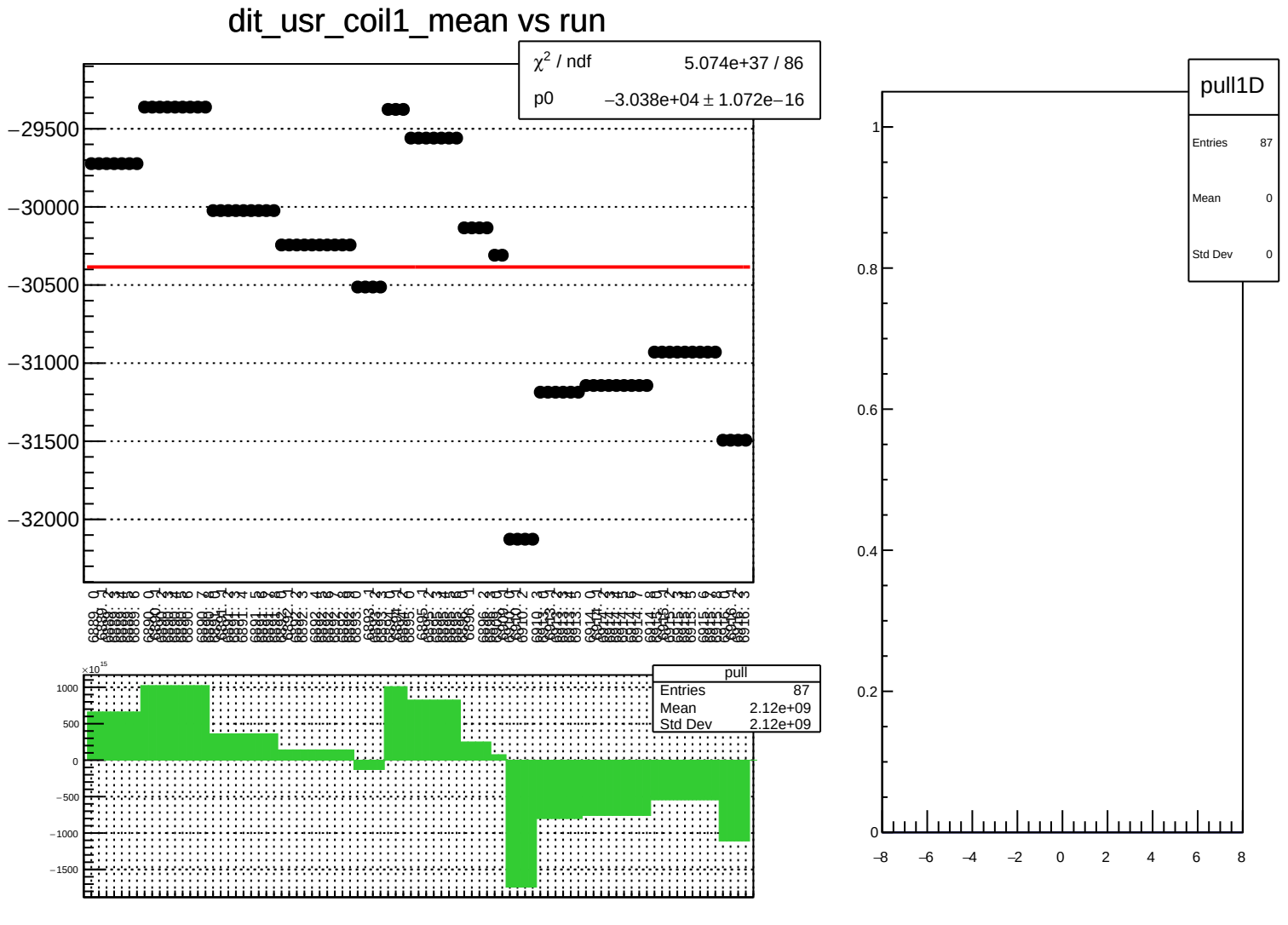

dit_usl_coil1_mean vs run
χ² / ndf 1.602e+37 / 86
p0 3.465e+04 ± 1.072e−16
35400
35200
35000
34800
34600
34400
34200
34000
pull
Entries 87
Mean 3.521e+09
Std Dev 3.521e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

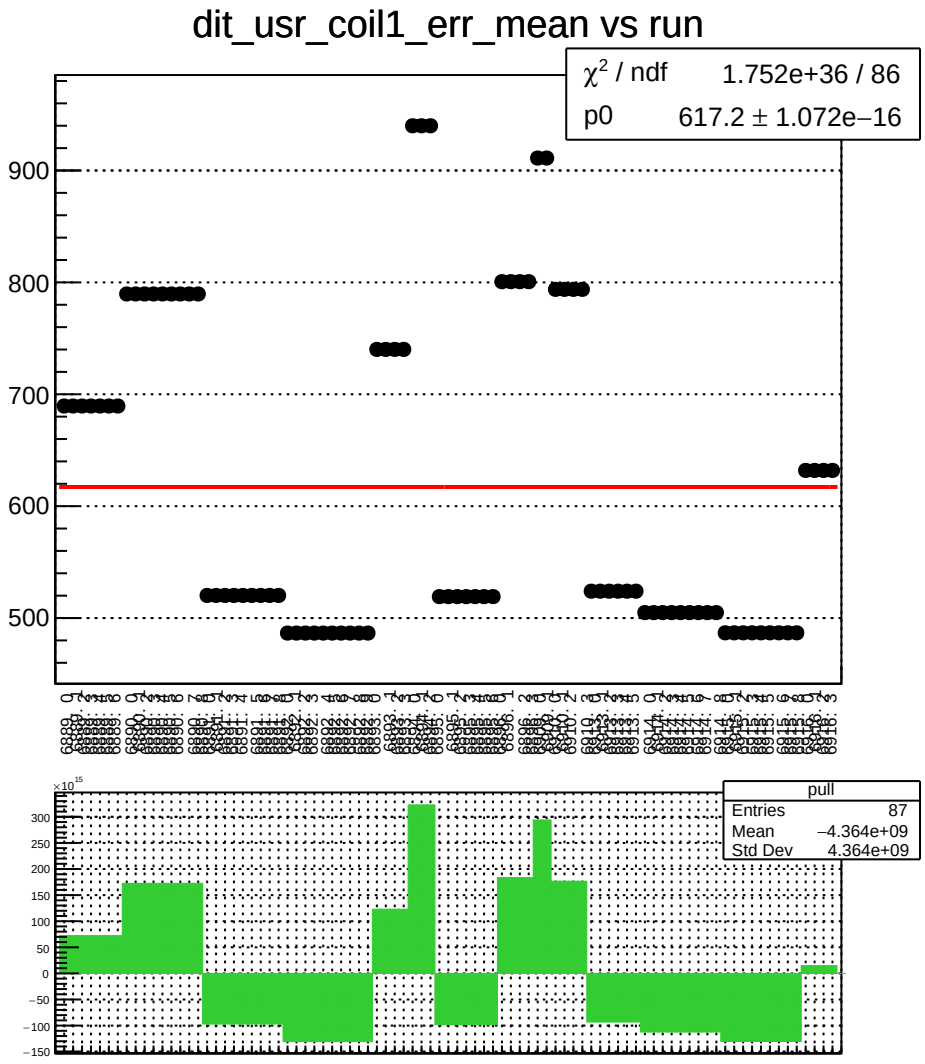

dit_usl_coil1_err_mean vs run
χ² / ndf 1.931e+36 / 86
p0 617.4 ± 1.072e−16
900
800
700
600
500
pull
Entries 87
Mean 9.893e+08
Std Dev 9.893e+08
×10¹⁵
300
200
100
0
−100

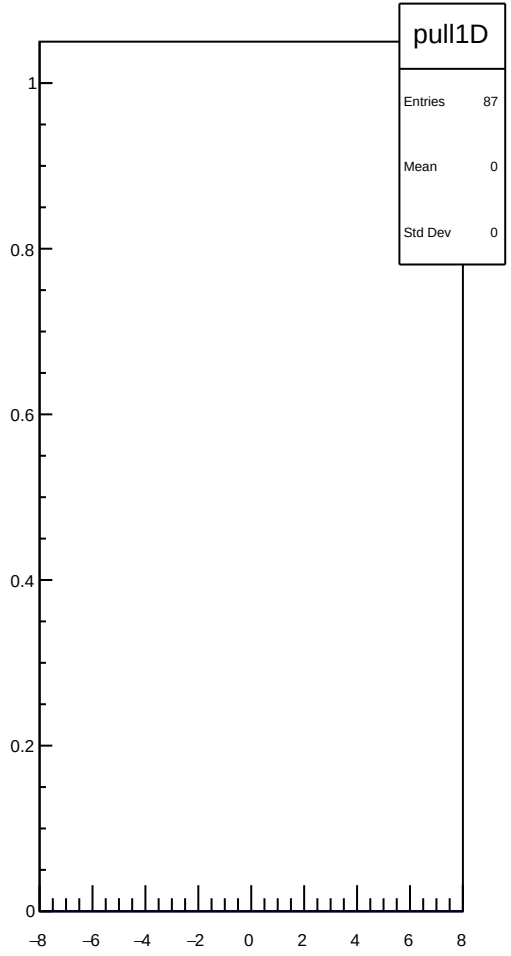

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

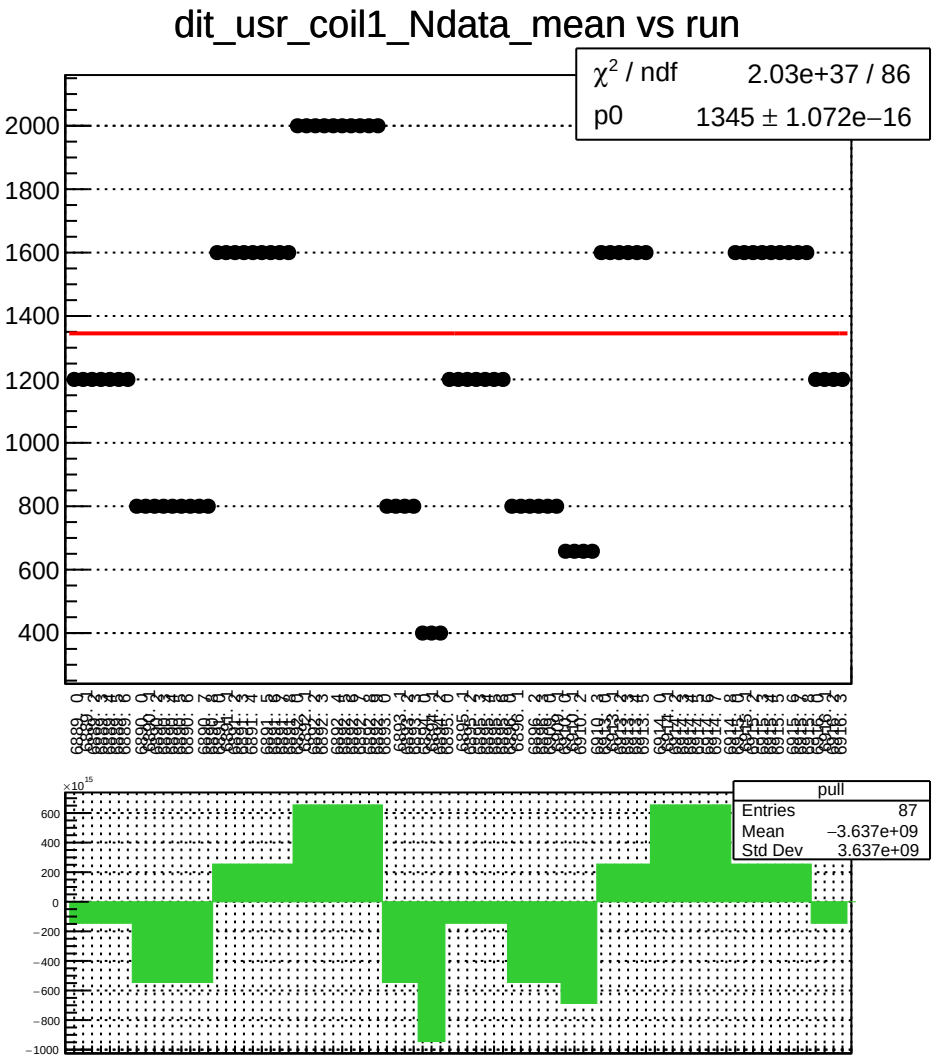

dit_usl_coil1_Ndata_mean vs run
χ^2 / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000

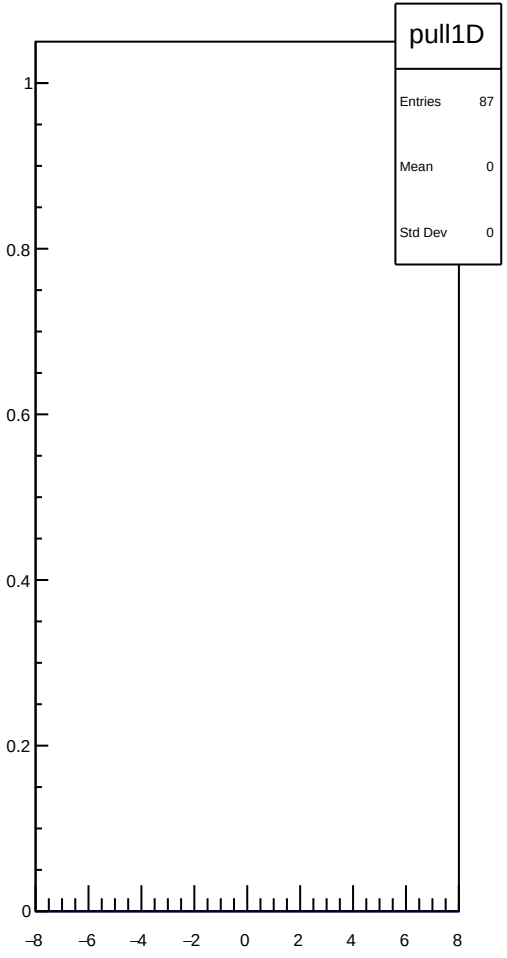

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

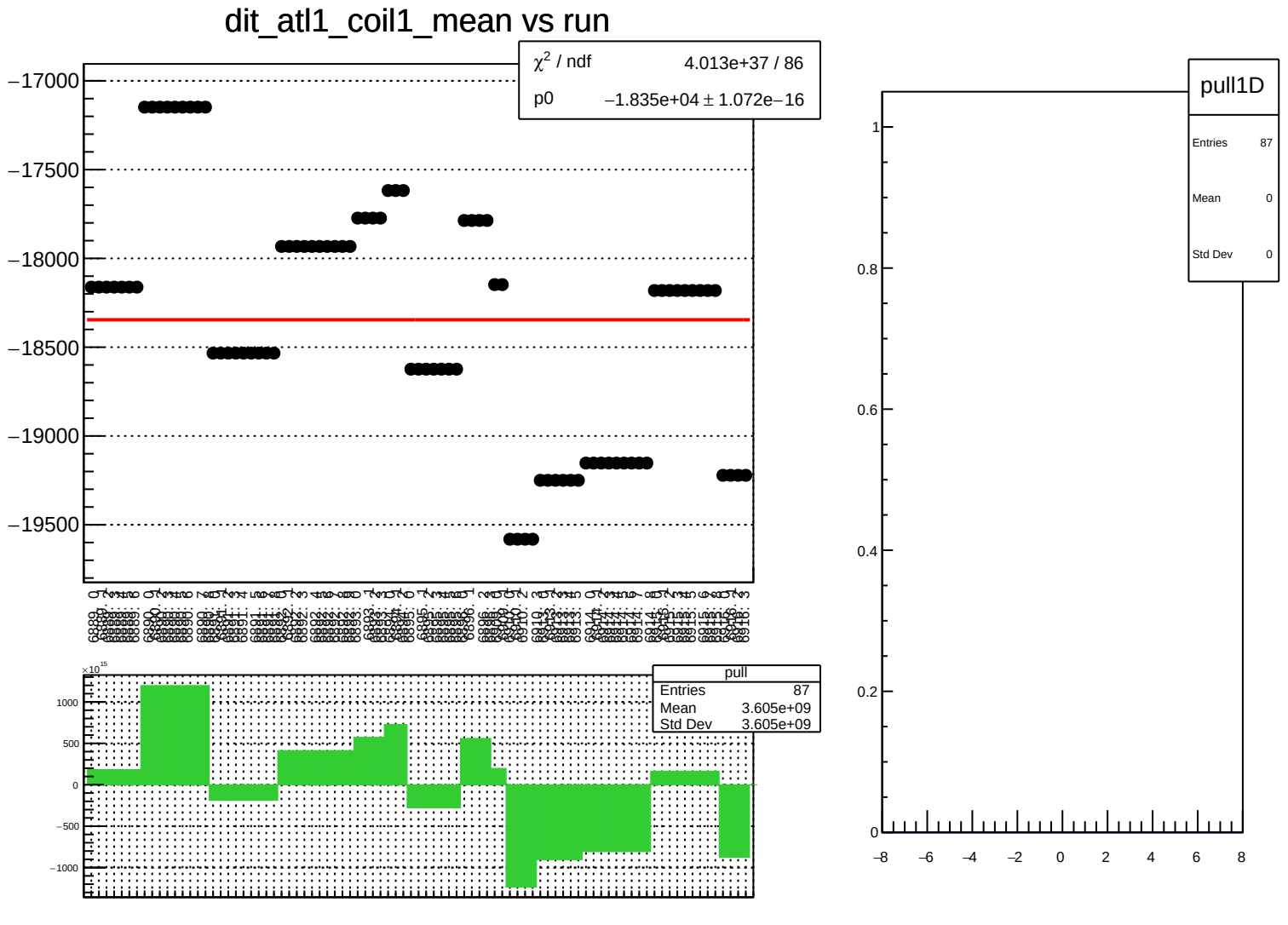

dit_usr_coil1_mean vs run
χ² / ndf 5.074e+37 / 86
p0 −3.038e+04 ± 1.072e−16
−29500
−30000
−30500
−31000
−31500
−32000
pull
Entries 87
Mean 2.12e+09
Std Dev 2.12e+09
×10¹⁵
1000
500
0
−500
−1000
−1500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

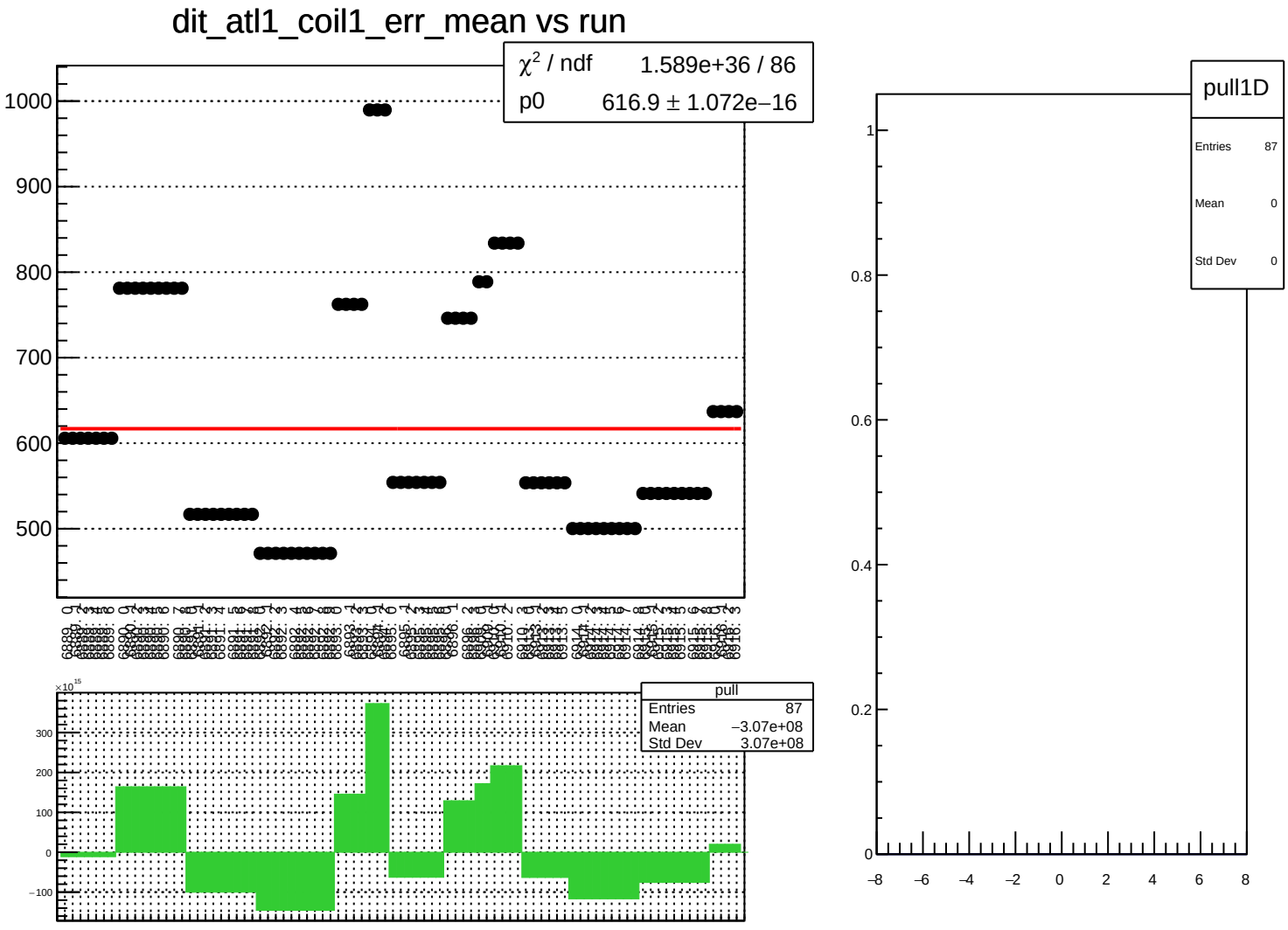

dit_usr_coil1_err_mean vs run
χ^2 / ndf 1.752e+36 / 86
p0 617.2 ± 1.072e−16
900
800
700
600
500
pull
Entries 87
Mean −4.364e+09
Std Dev 4.364e+09
$\times 10^{15}$
300
250
200
150
100
50
0
−50
−100
−150


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

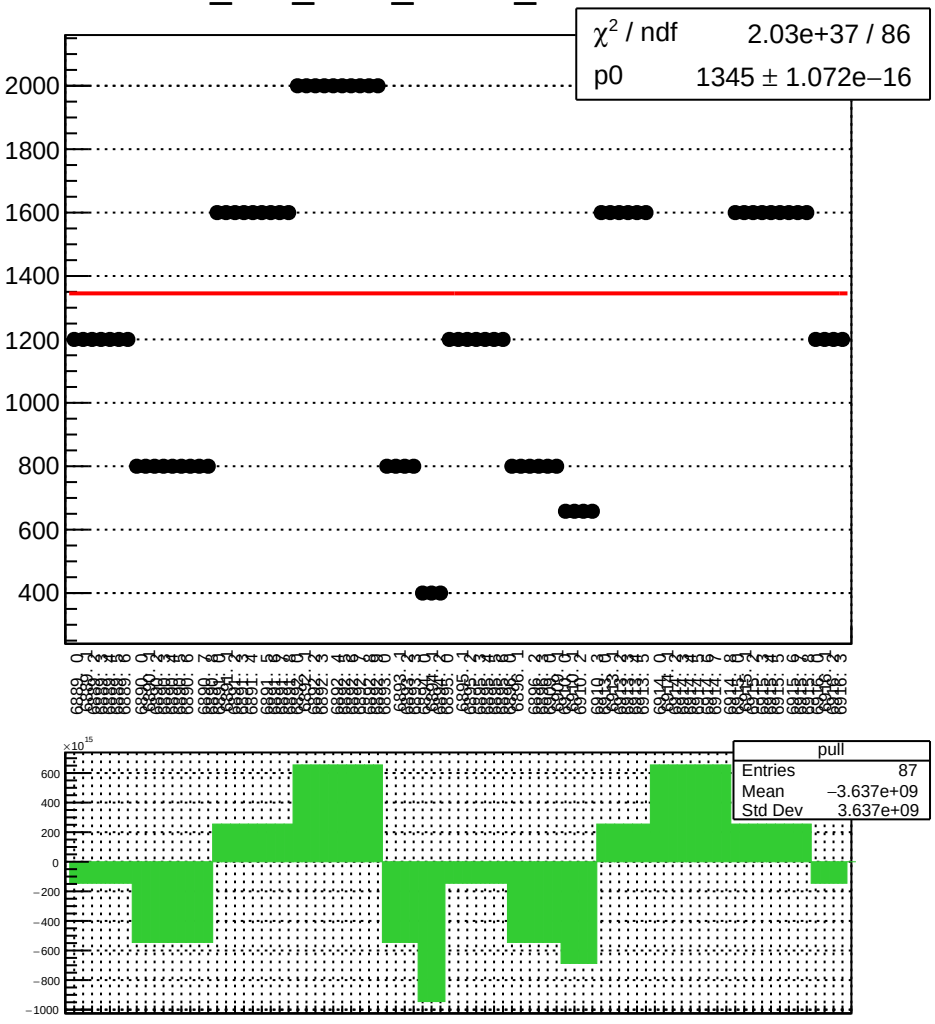

dit_usr_coil1_Ndata_mean vs run
χ^2 / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
$\times 10^{15}$
600
400
200
0
−200
−400
−600
−800
−1000

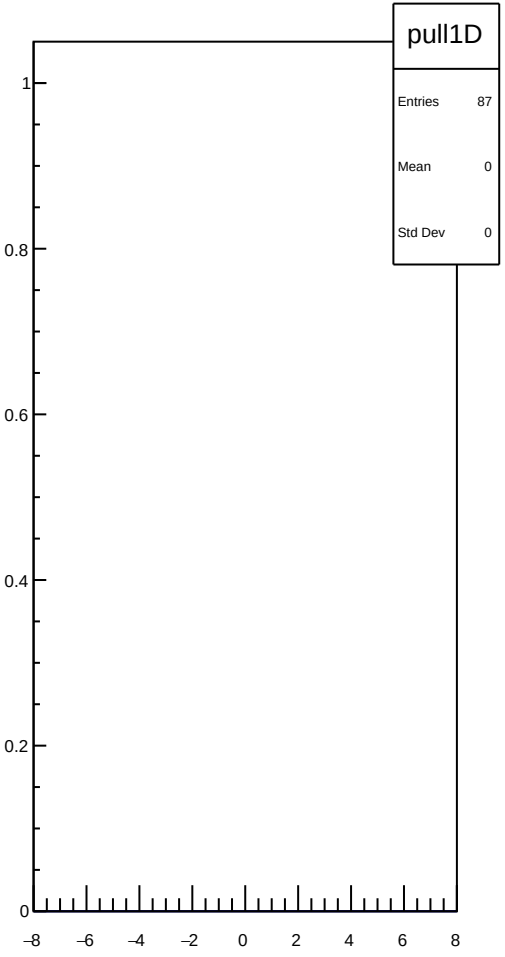

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

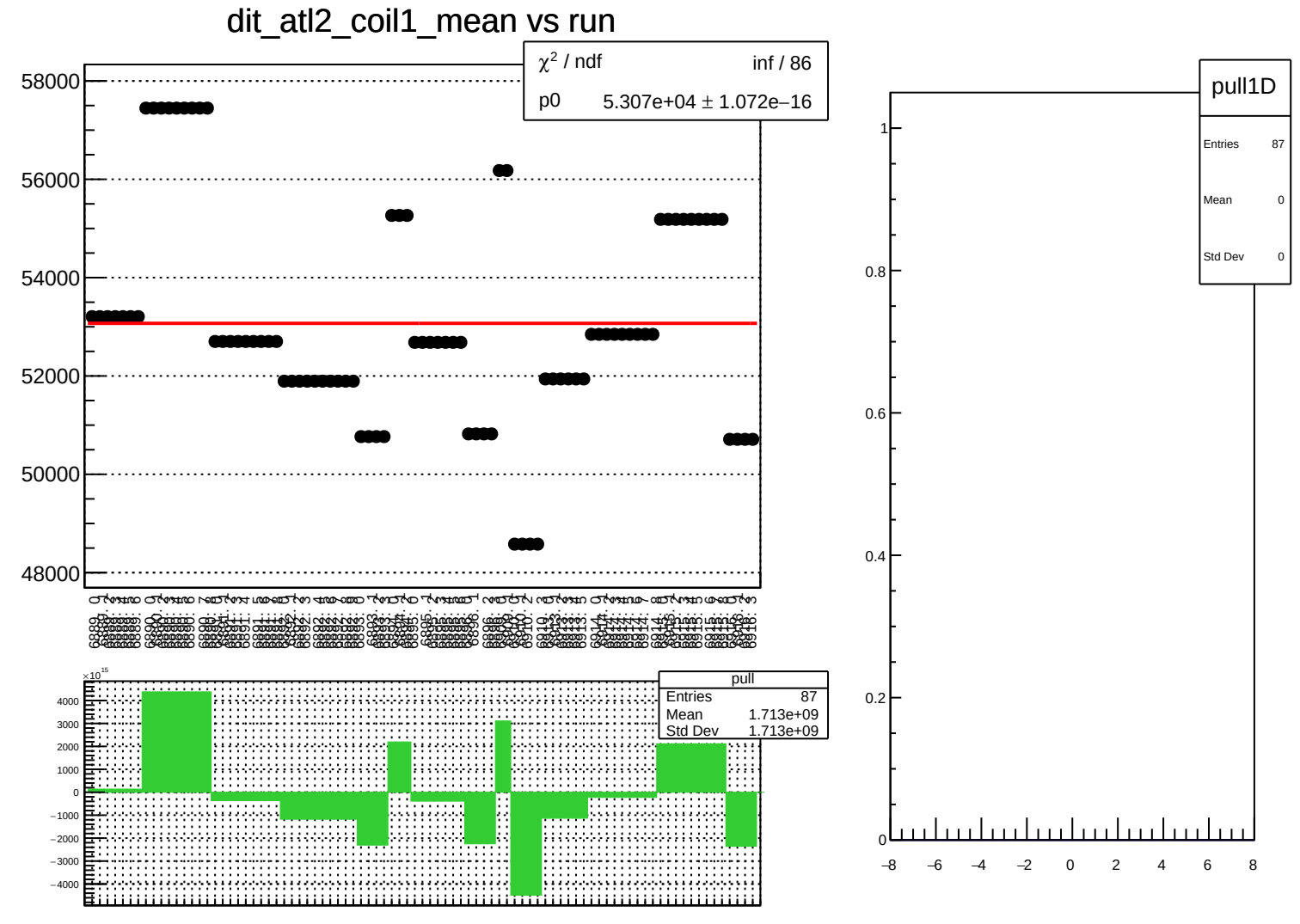

dit_atl1_coil1_mean vs run
χ² / ndf 4.013e+37 / 86
p0 −1.835e+04 ± 1.072e−16
−17000
−17500
−18000
−18500
−19000
−19500
pull
Entries 87
Mean 3.605e+09
Std Dev 3.605e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

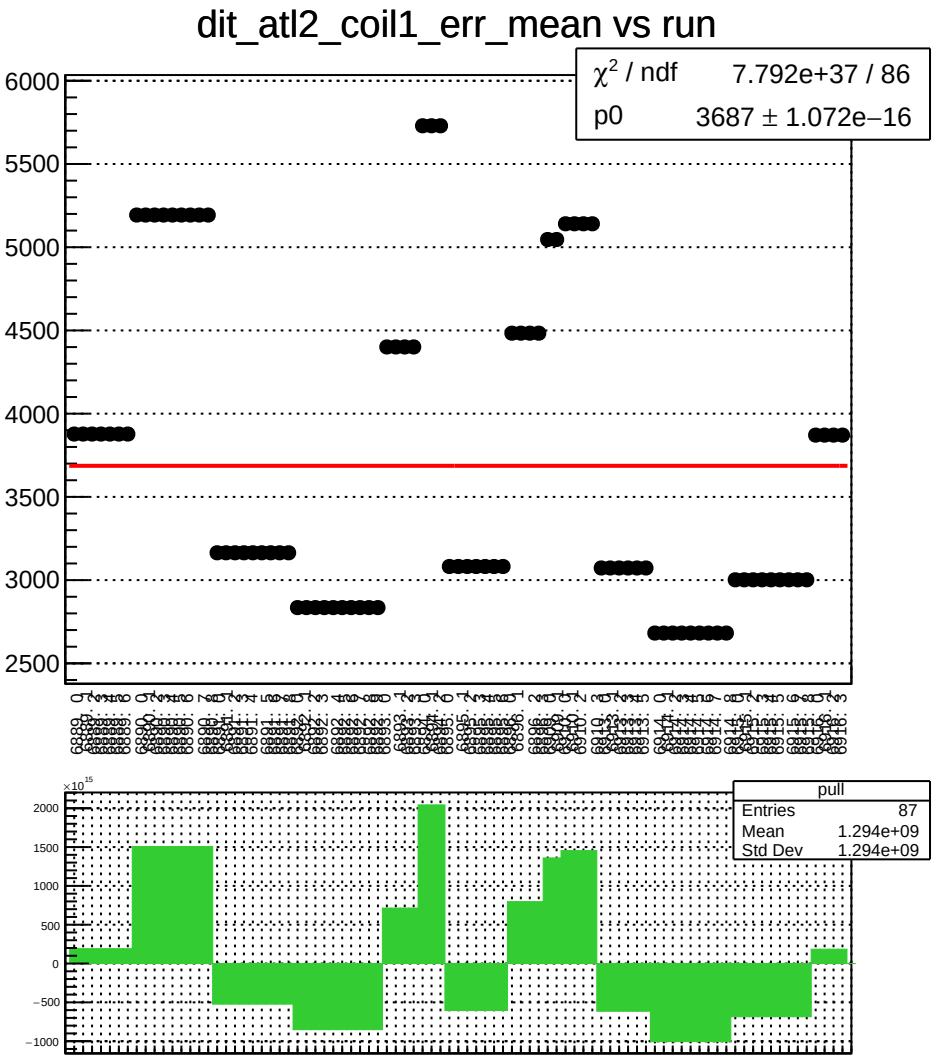

dit_atl1_coil1_err_mean vs run
χ² / ndf 1.589e+36 / 86
p0 616.9 ± 1.072e−16
1000
900
800
700
600
500
pull
Entries 87
Mean −3.07e+08
Std Dev 3.07e+08
×10¹⁵
300
200
100
0
−100
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

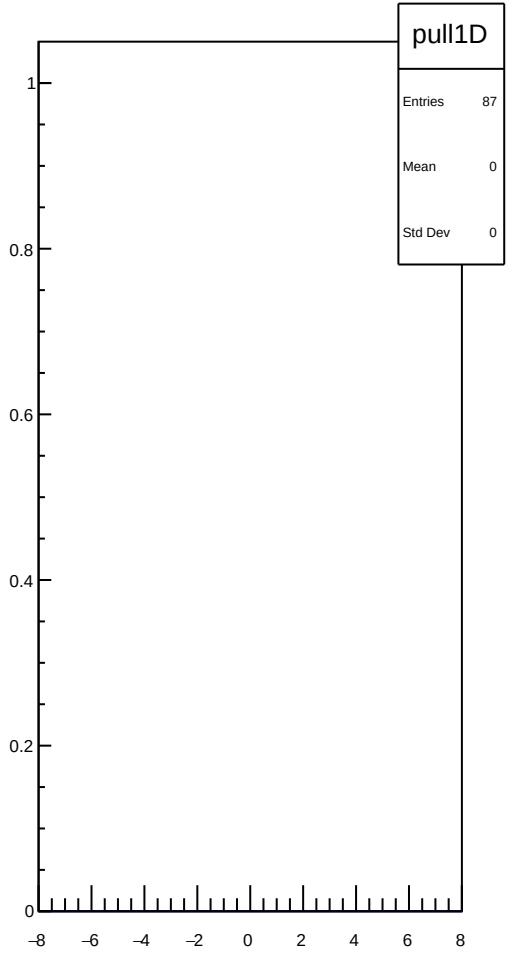
dit_atl1_coil1_Ndata_mean vs run



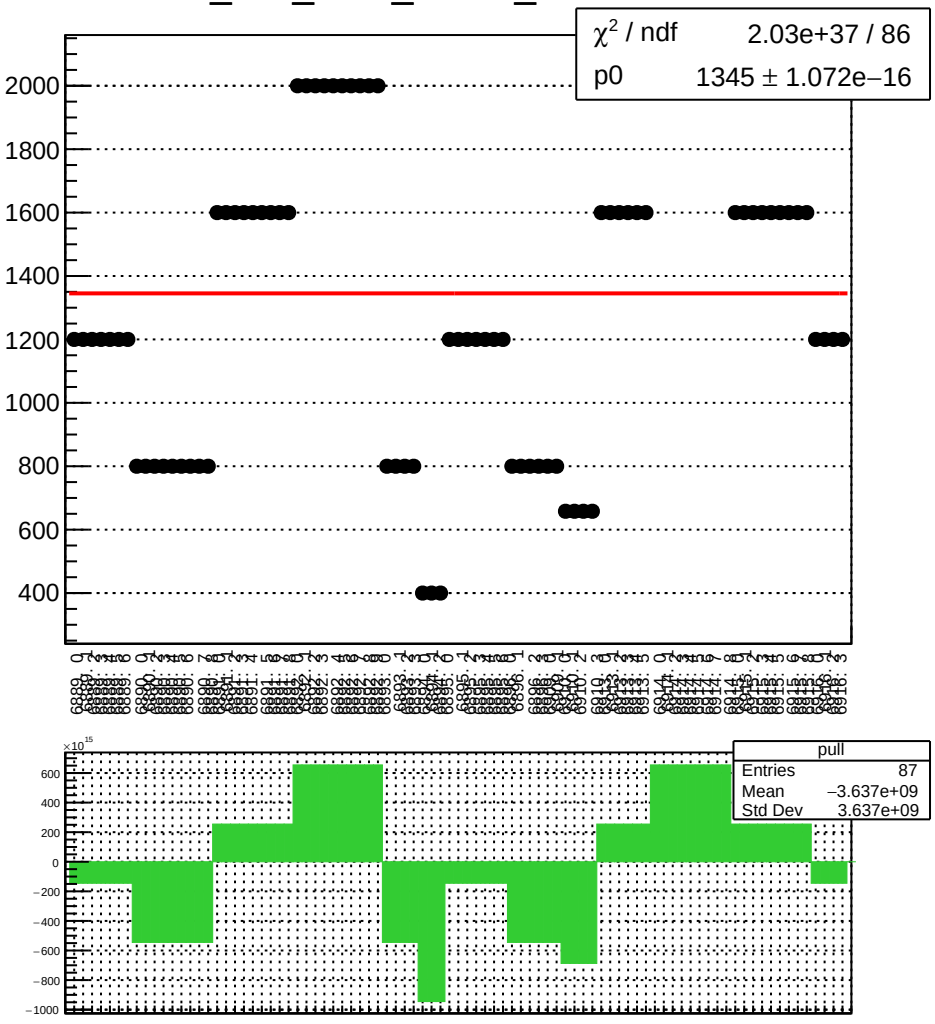


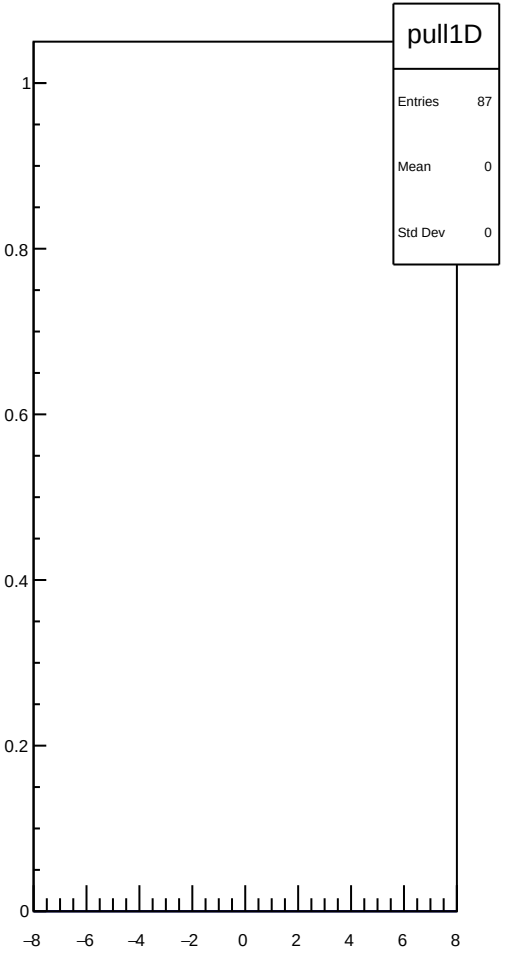

dit_atl2_coil1_mean vs run
χ² / ndf inf / 86
p0 5.307e+04 ± 1.072e−16
58000
56000
54000
52000
50000
48000
pull
Entries 87
Mean 1.713e+09
Std Dev 1.713e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

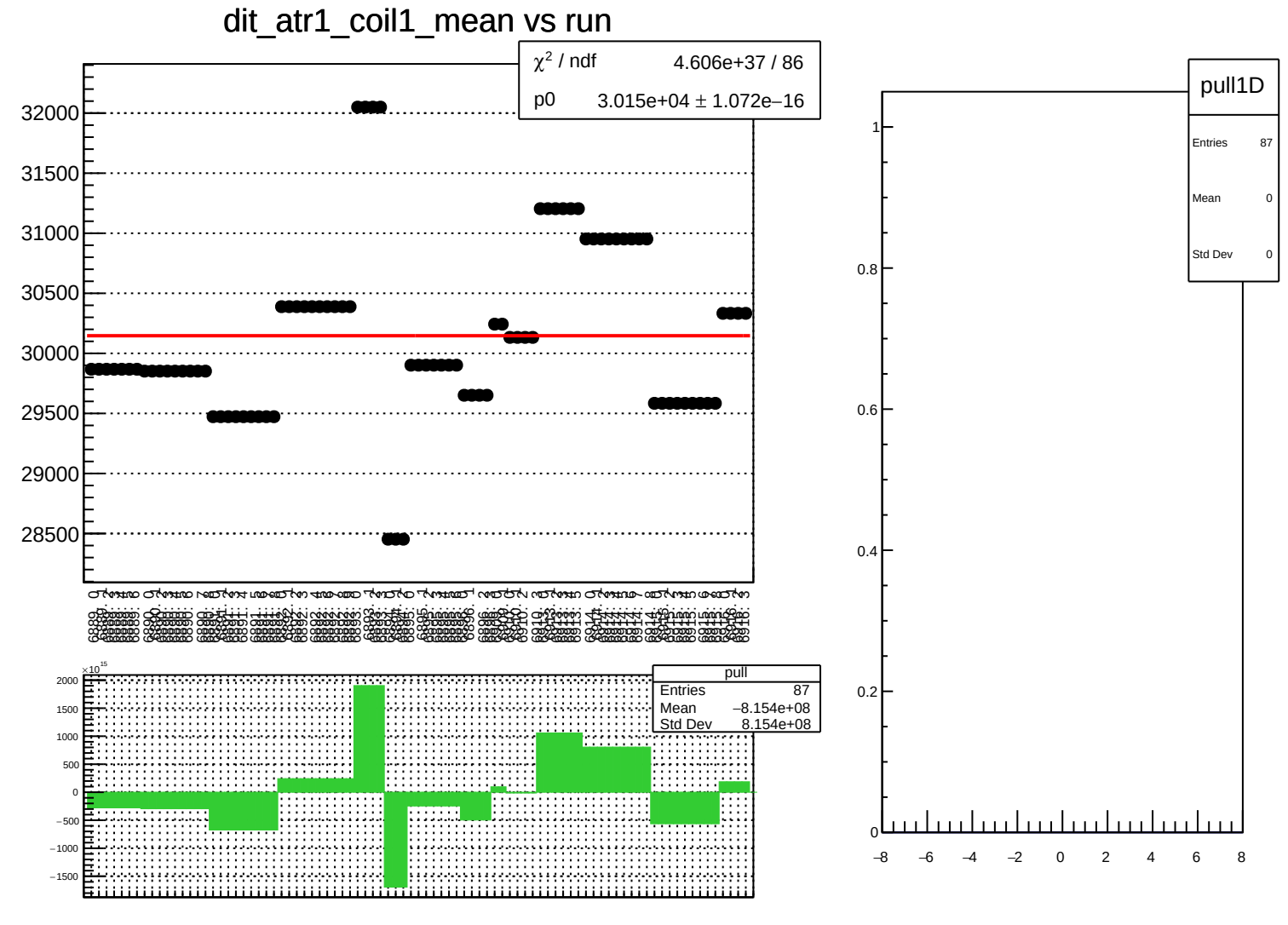

dit_atl2_coil1_err_mean vs run
χ^2 / ndf 7.792e+37 / 86
p0 3687 ± 1.072e−16
6000
5500
5000
4500
4000
3500
3000
2500
pull
Entries 87
Mean 1.294e+09
Std Dev 1.294e+09
×10^15
2000
1500
1000
500
0
−500
−1000

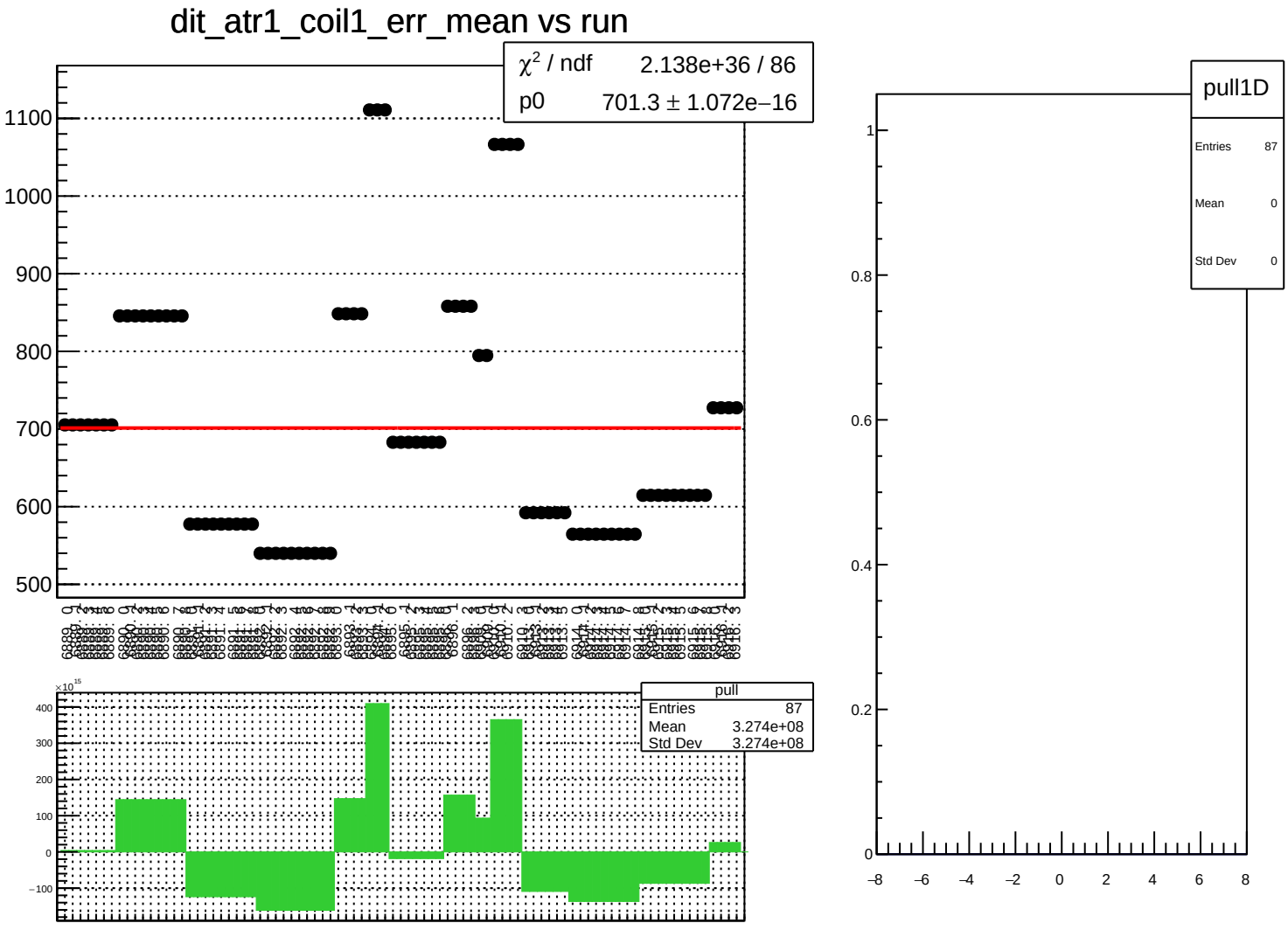

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_Ndata_mean vs run

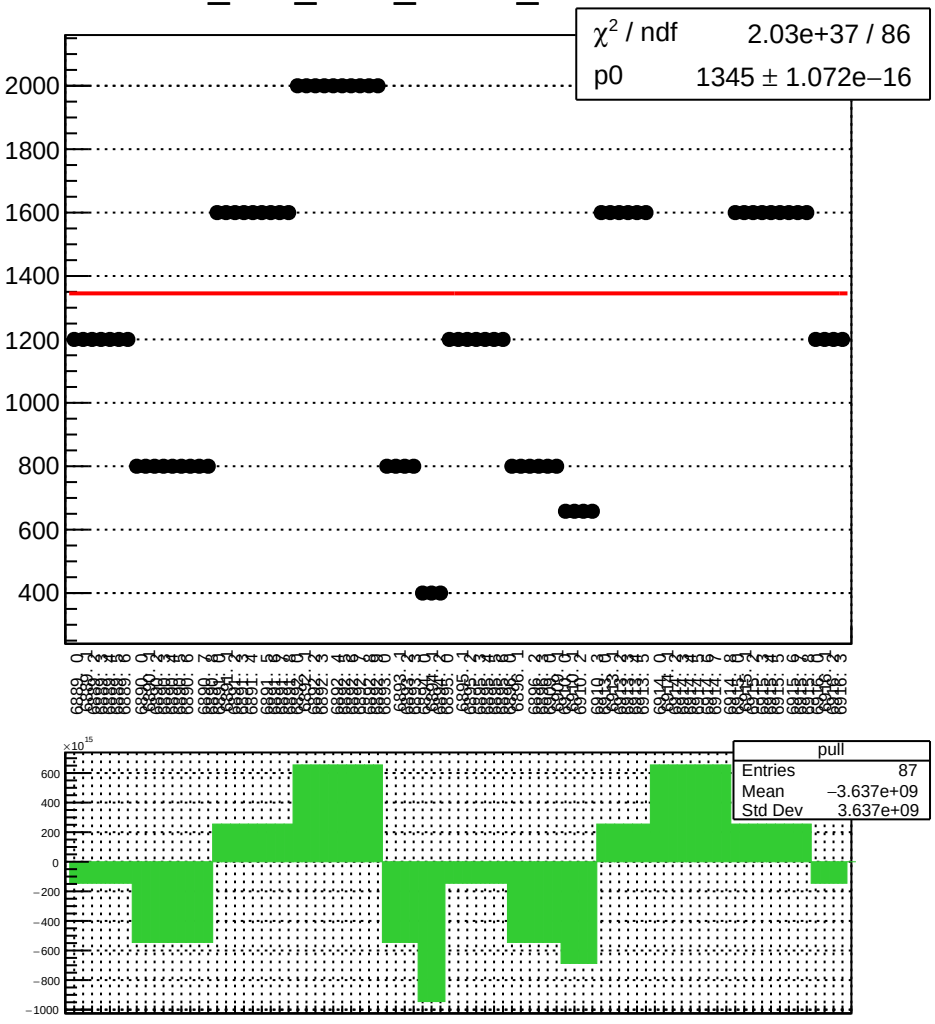


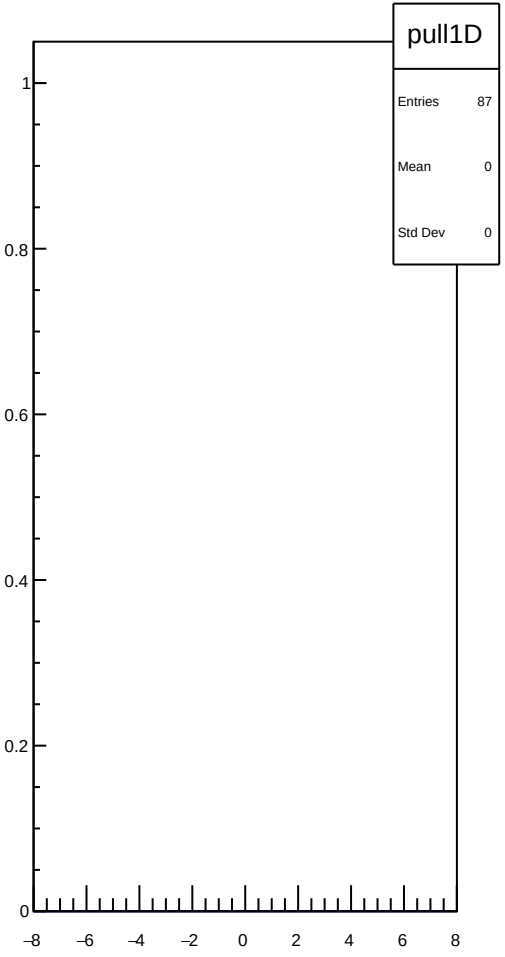


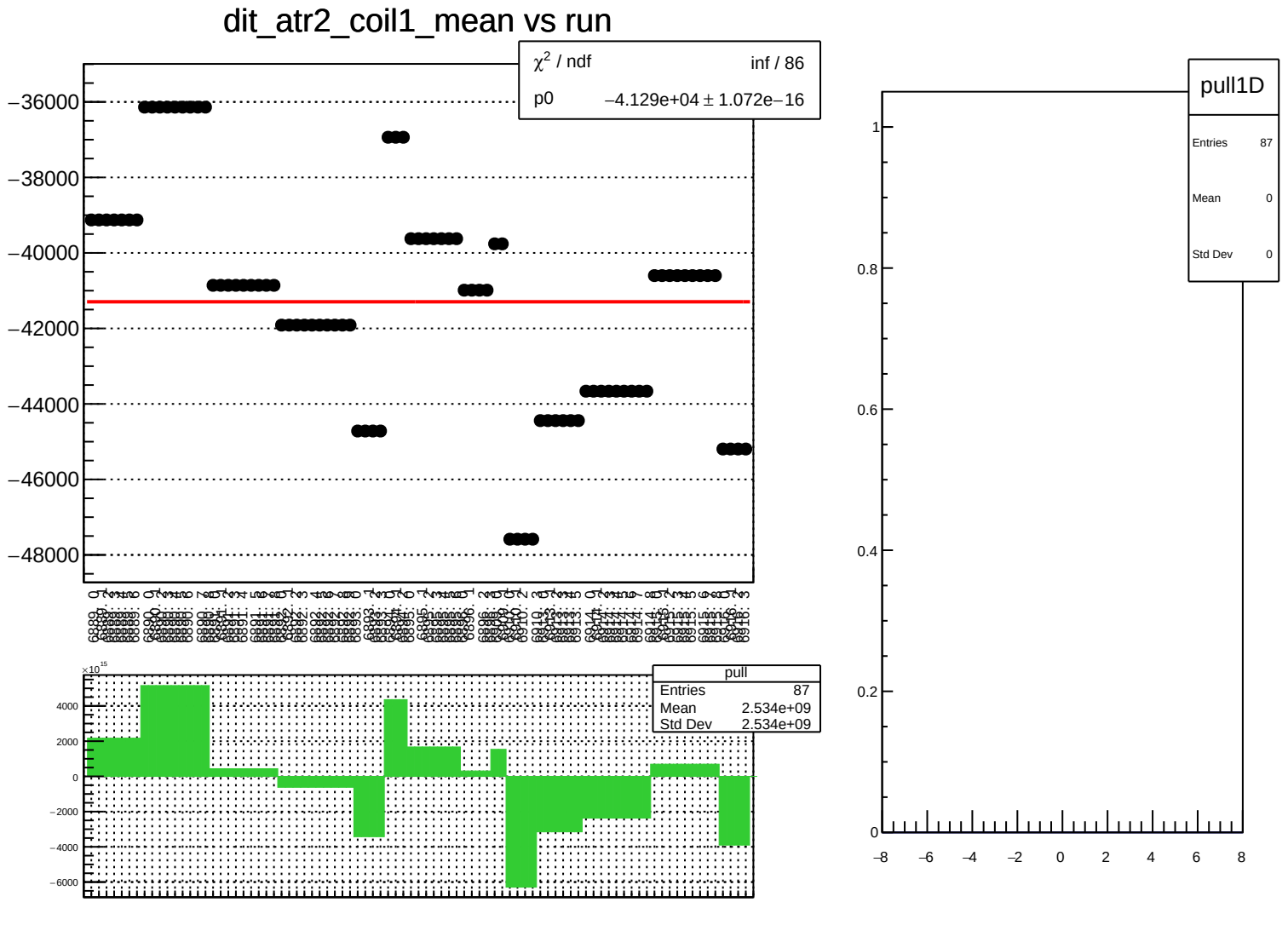

dit_atr1_coil1_mean vs run
χ² / ndf 4.606e+37 / 86
p0 3.015e+04 ± 1.072e−16
32000
31500
31000
30500
30000
29500
29000
28500
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 87
Mean −8.154e+08
Std Dev 8.154e+08
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

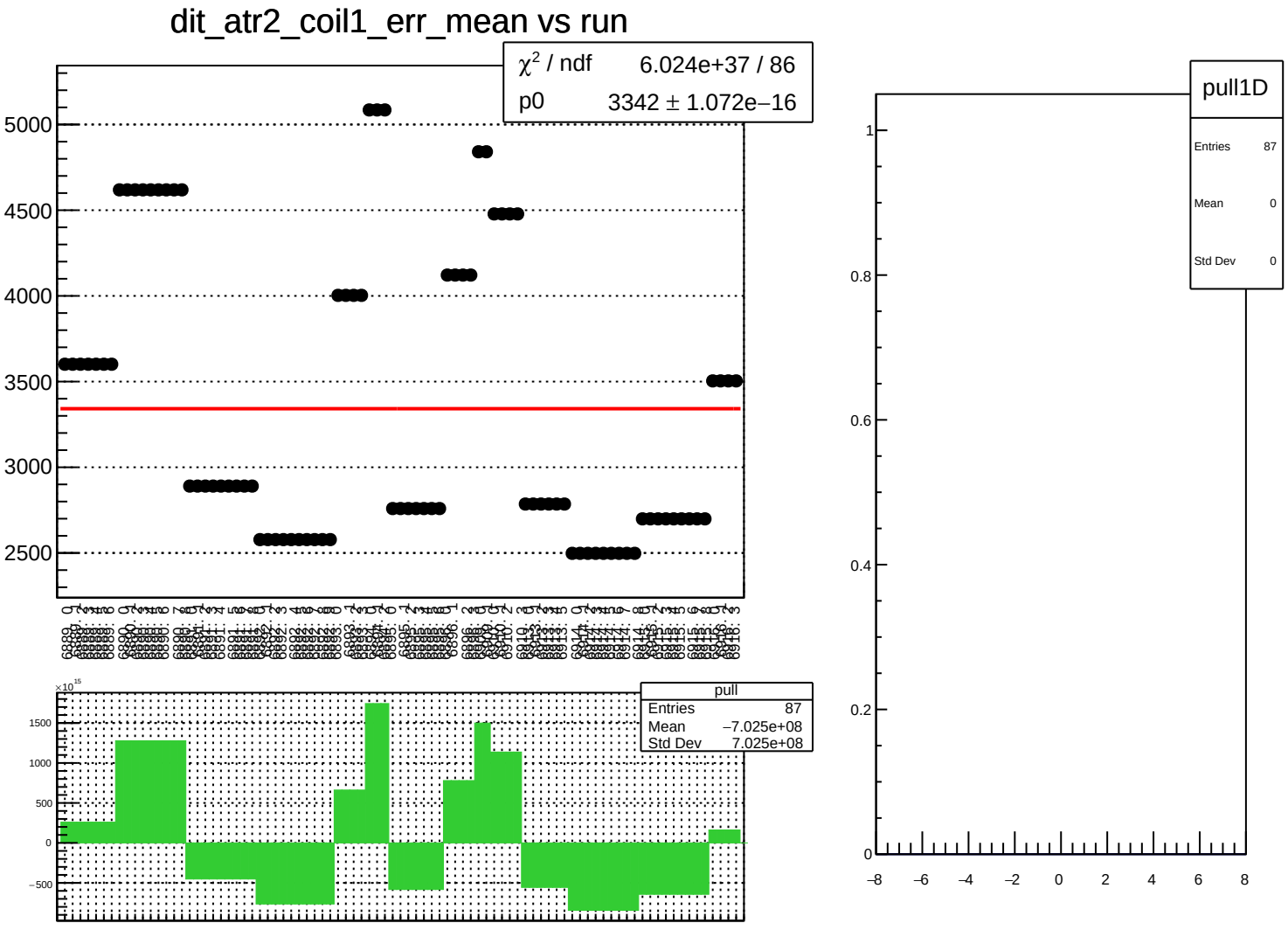

dit_atr1_coil1_err_mean vs run
χ² / ndf 2.138e+36 / 86
p0 701.3 ± 1.072e−16
1100
1000
900
800
700
600
500
pull
Entries 87
Mean 3.274e+08
Std Dev 3.274e+08
×10¹⁵
400
300
200
100
0
−100
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil1_Ndata_mean vs run

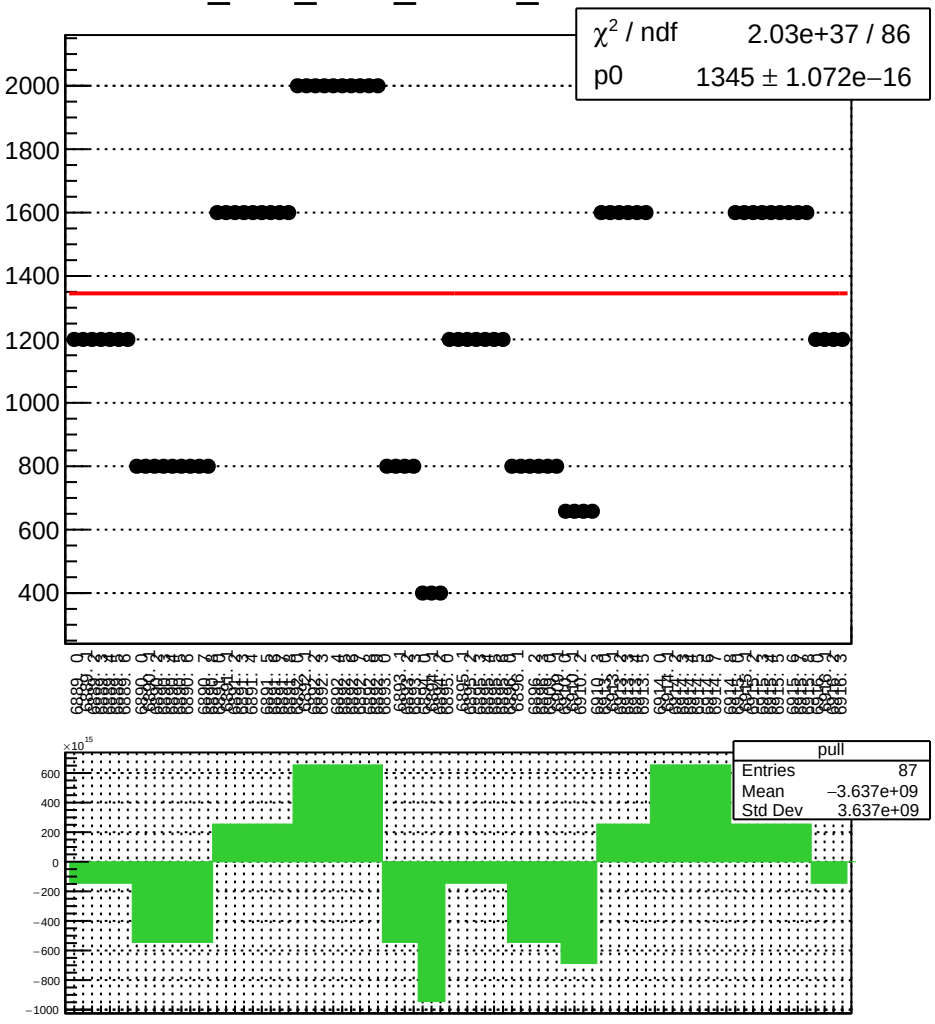


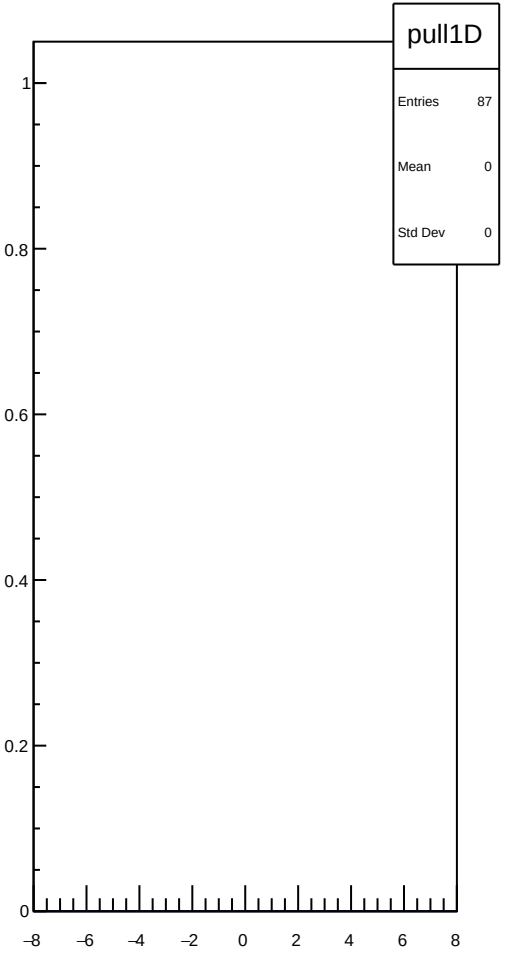


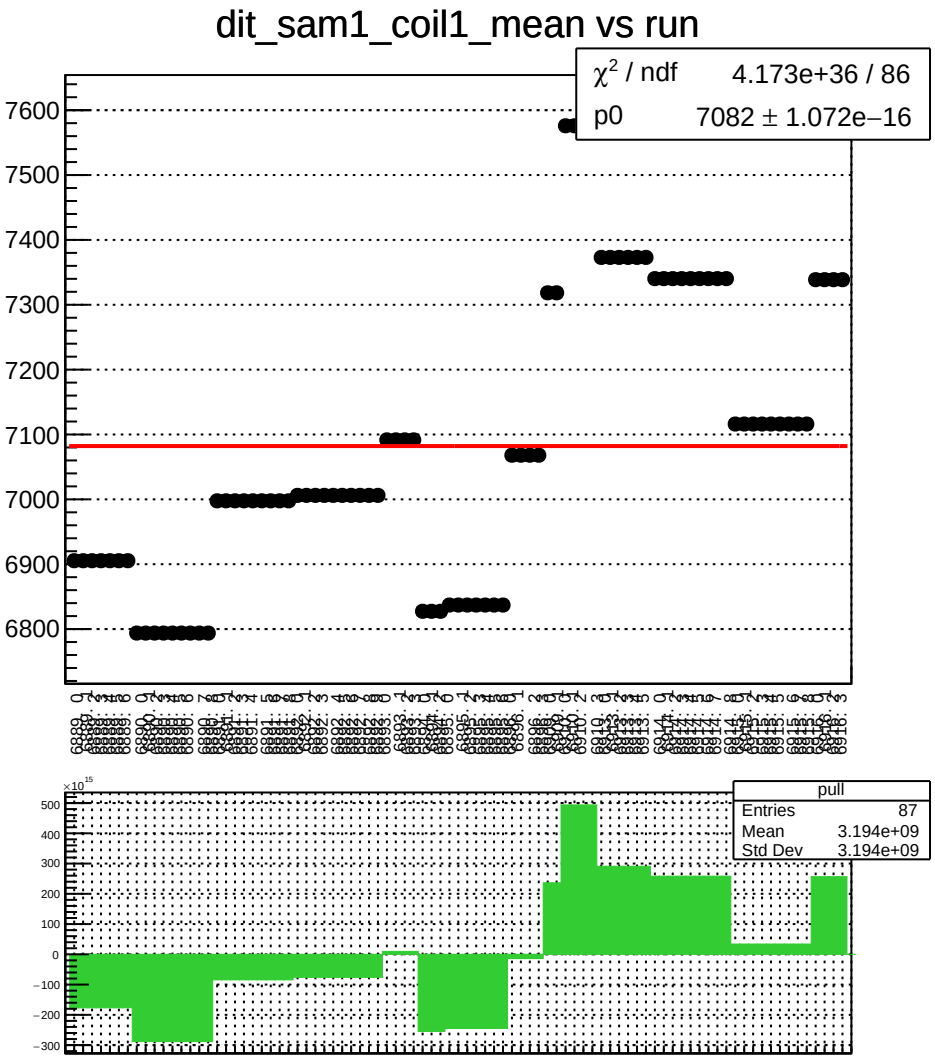

dit_atr2_coil1_mean vs run
χ² / ndf inf / 86
p0 −4.129e+04 ± 1.072e−16
−36000
−38000
−40000
−42000
−44000
−46000
−48000
×10¹⁵
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 2.534e+09
Std Dev 2.534e+09
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

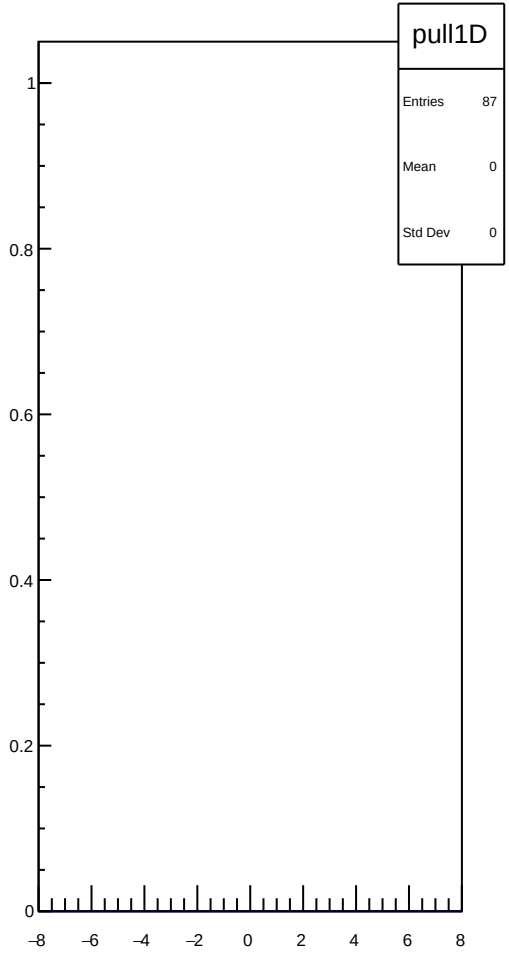

dit_atr2_coil1_err_mean vs run
χ² / ndf 6.024e+37 / 86
p0 3342 ± 1.072e−16
5000
4500
4000
3500
3000
2500
pull
Entries 87
Mean −7.025e+08
Std Dev 7.025e+08
×10¹⁵
1500
1000
500
0
−500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

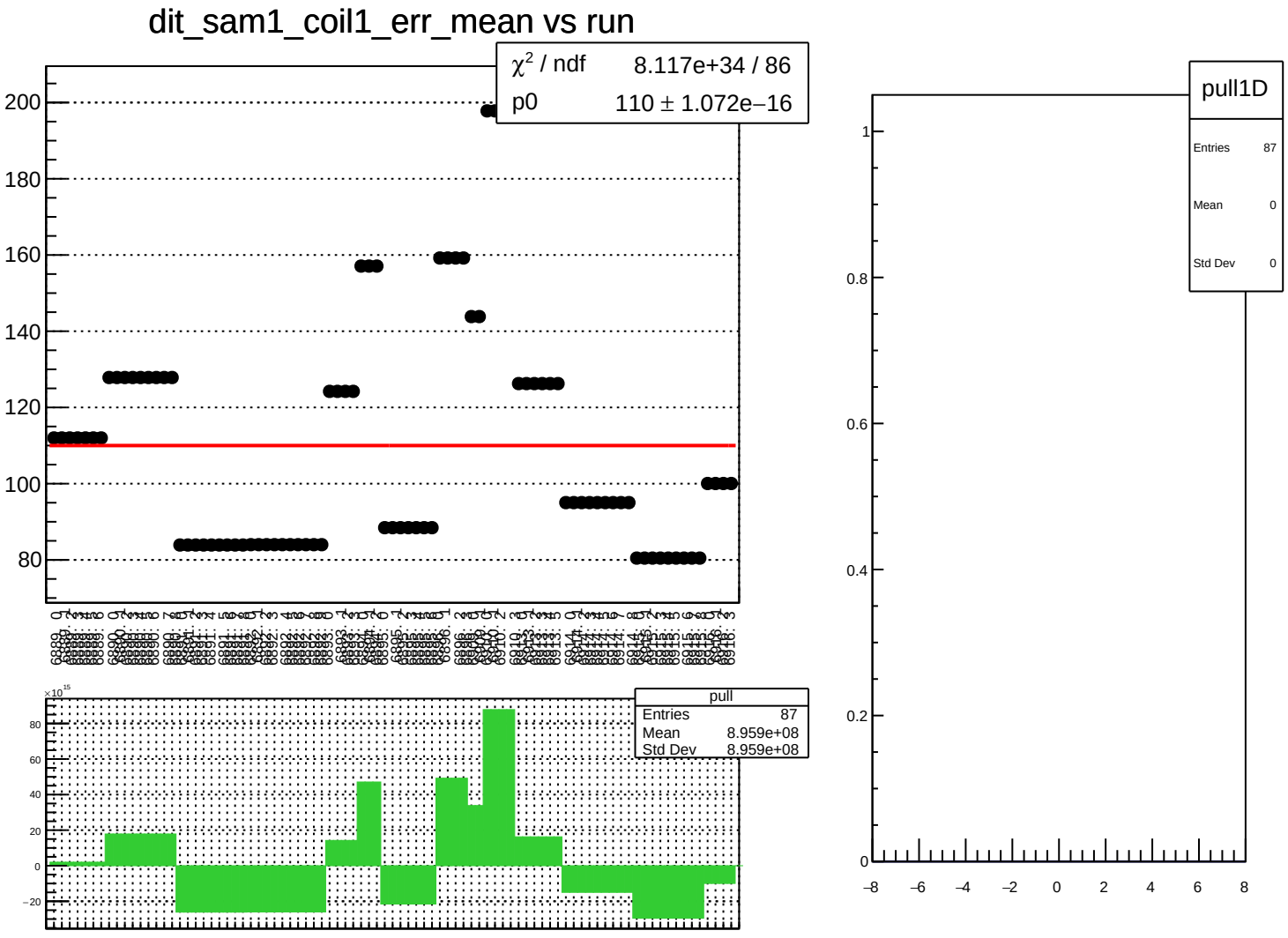
dit_atr2_coil1_Ndata_mean vs run

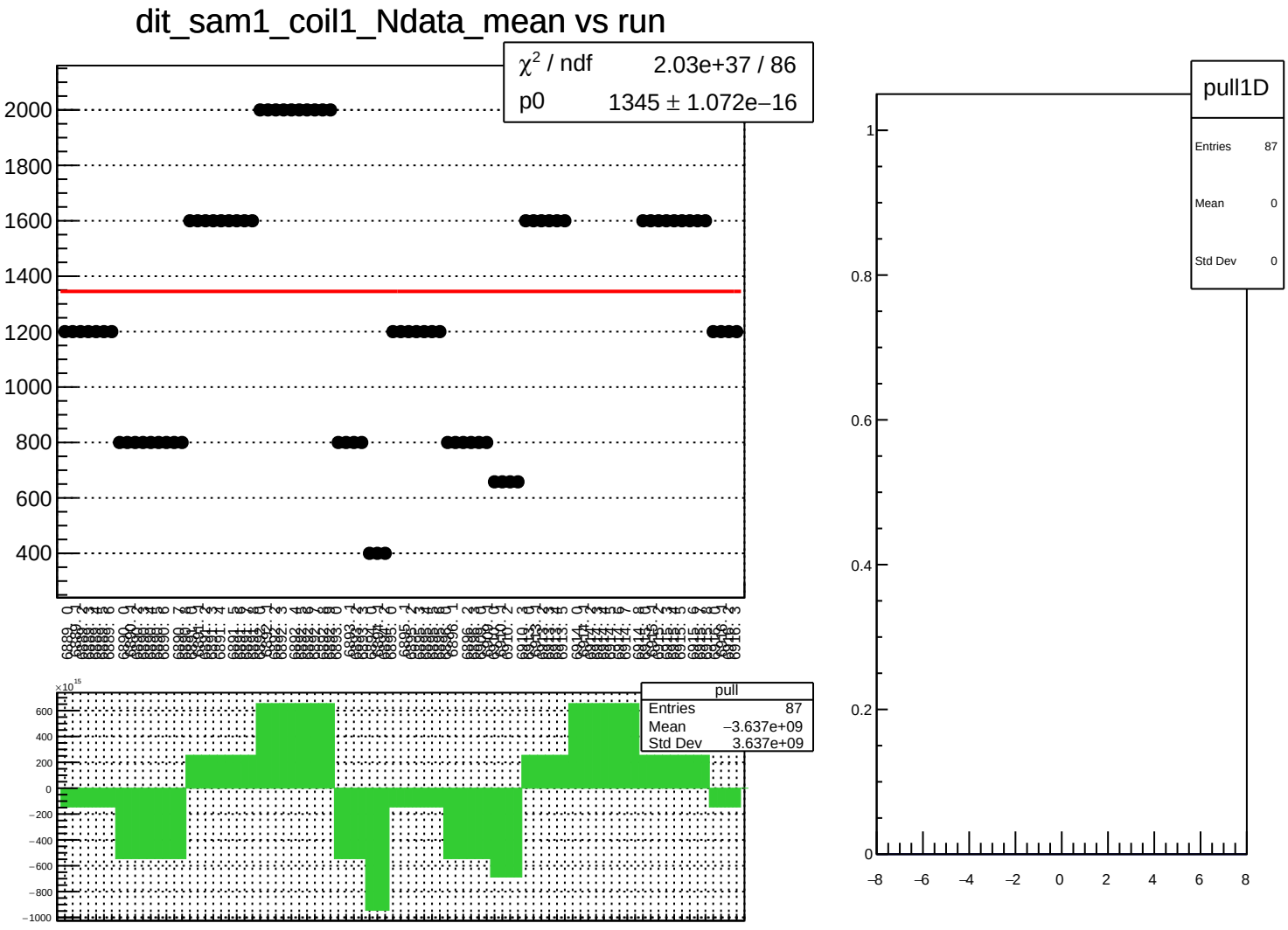


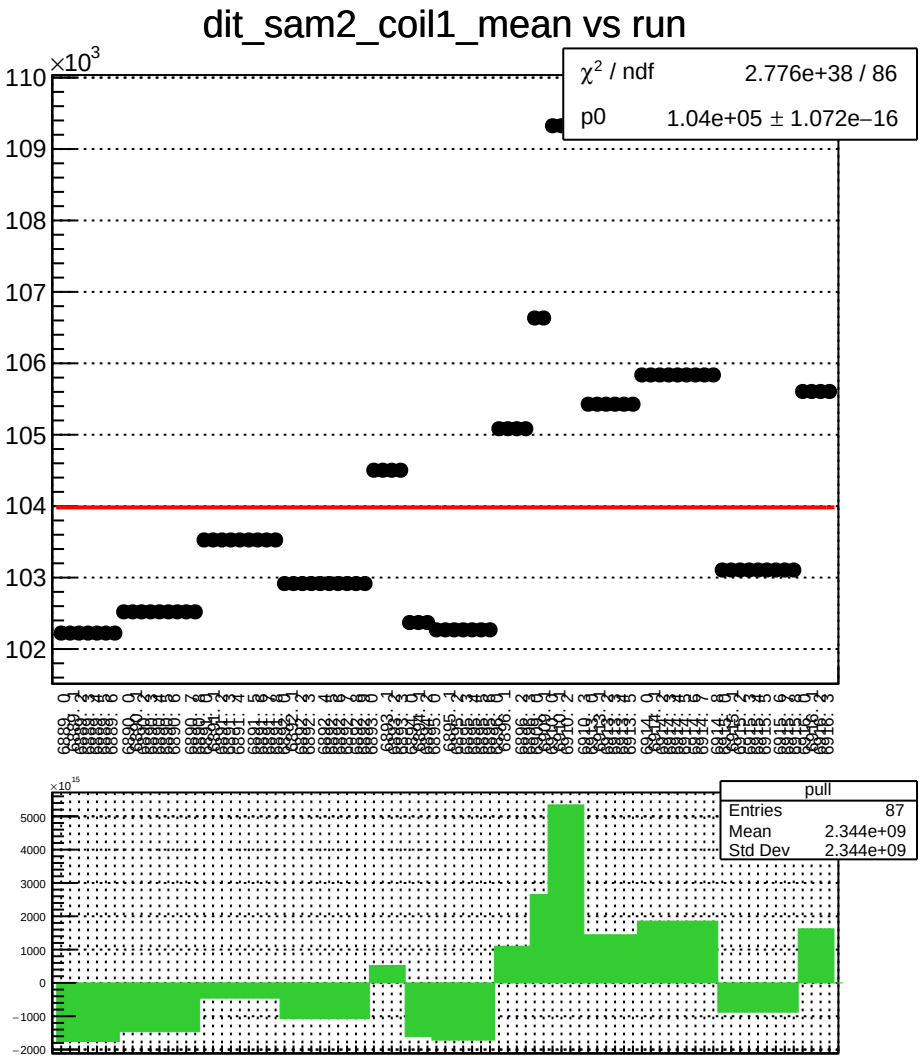


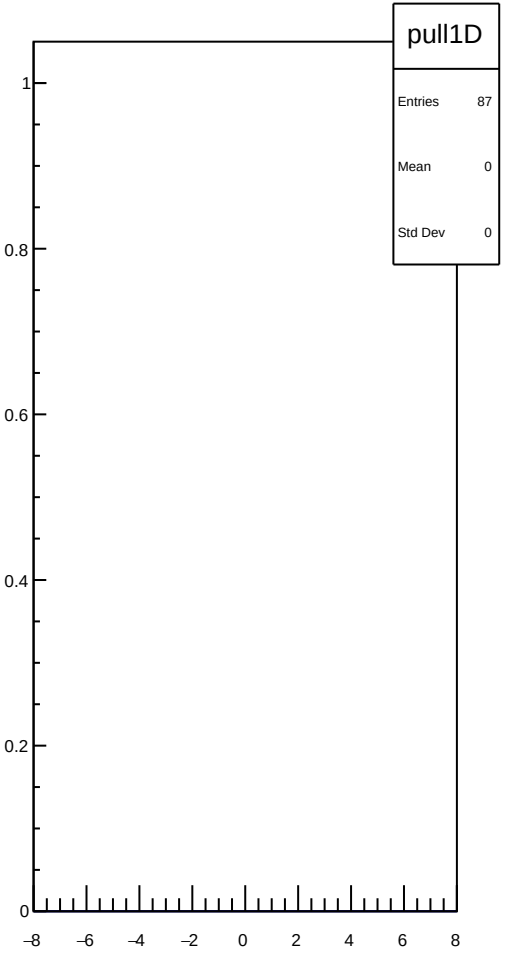

dit_sam1_coil1_mean vs run
χ^2 / ndf 4.173e+36 / 86
p0 7082 ± 1.072e−16
7600
7500
7400
7300
7200
7100
7000
6900
6800
pull
Entries 87
Mean 3.194e+09
Std Dev 3.194e+09
$\times 10^{15}$
500
400
300
200
100
0
−100
−200
−300

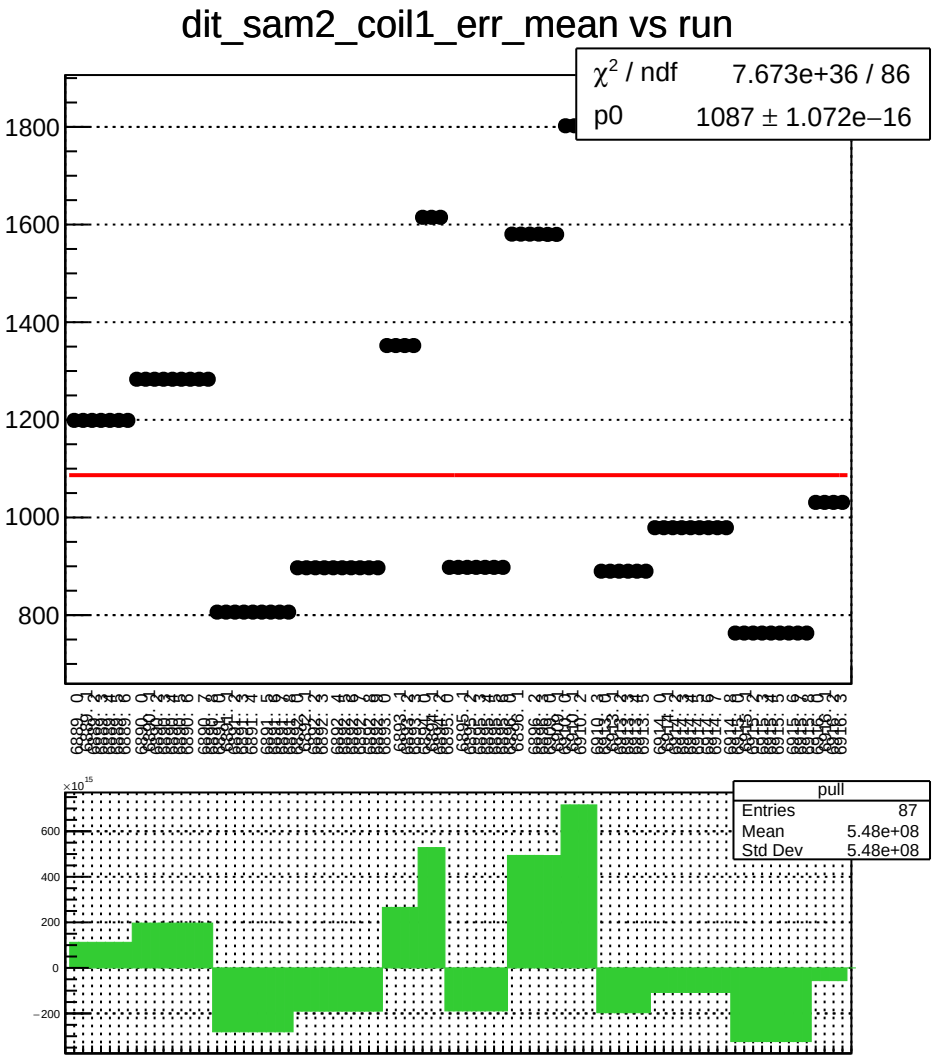

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

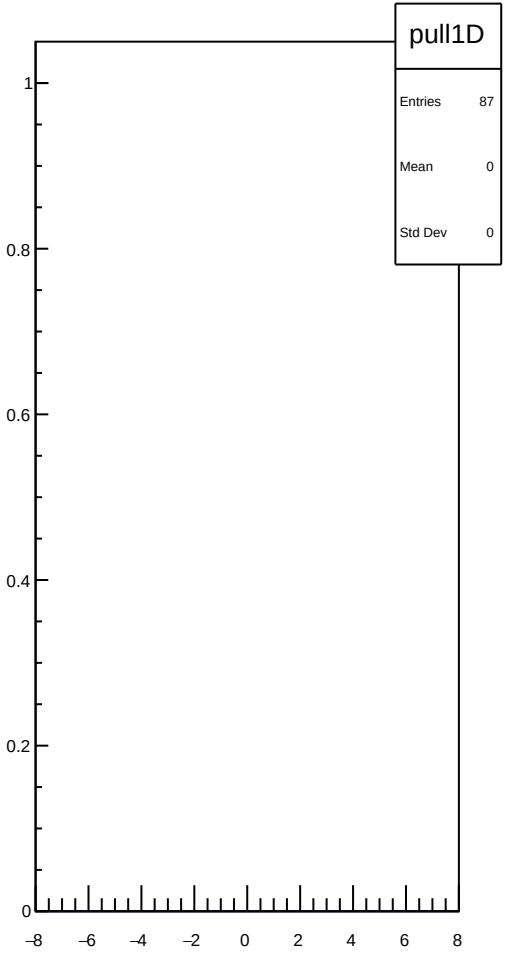

dit_sam1_coil1_err_mean vs run
χ² / ndf 8.117e+34 / 86
p0 110 ± 1.072e−16
200
180
160
140
120
100
80
pull
Entries 87
Mean 8.959e+08
Std Dev 8.959e+08
×10^15
80
60
40
20
0
−20
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

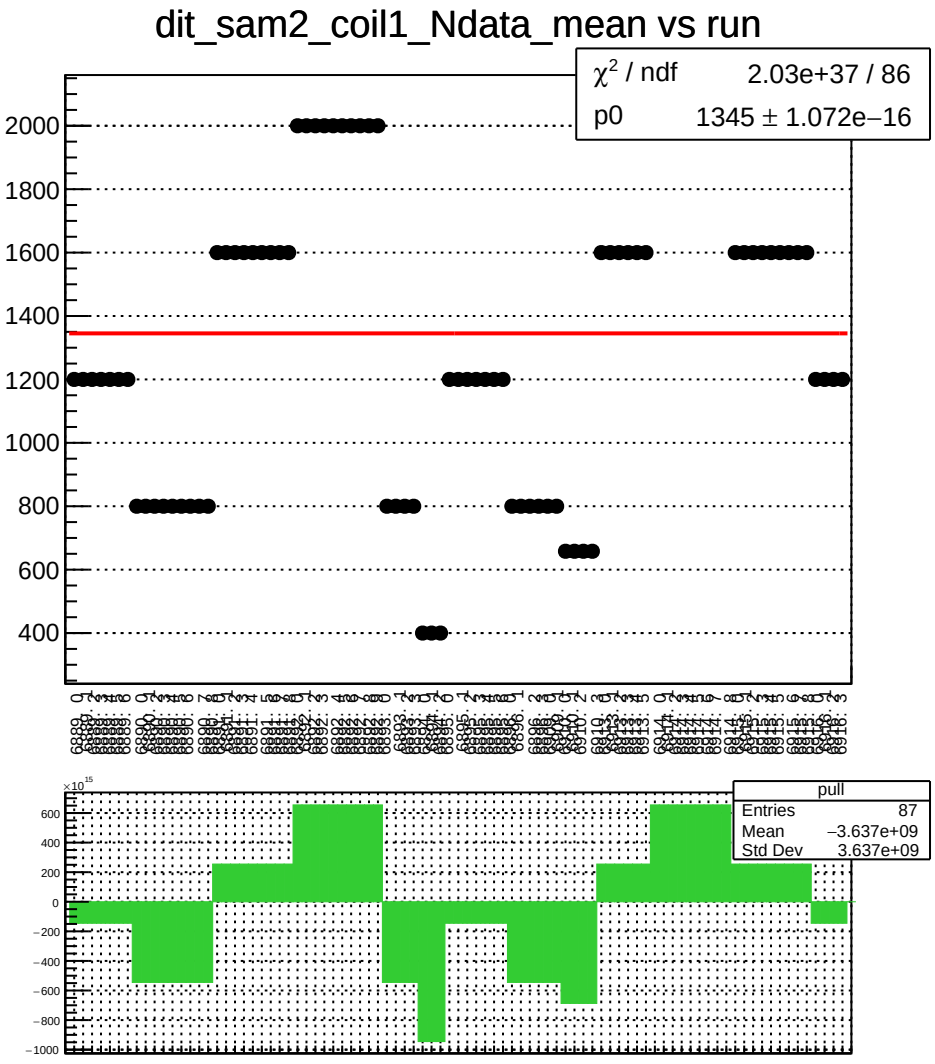

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

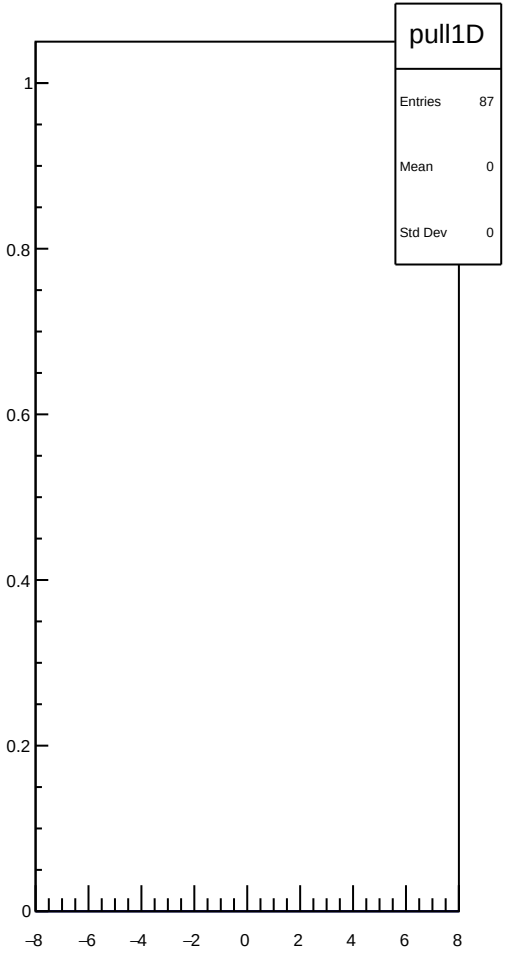

dit_sam2_coil1_mean vs run
χ^2 / ndf 2.776e+38 / 86
p0 1.04e+05 ± 1.072e−16
×10^3
110
109
108
107
106
105
104
103
102
pull
Entries 87
Mean 2.344e+09
Std Dev 2.344e+09
×10^15
5000
4000
3000
2000
1000
0
−1000
−2000

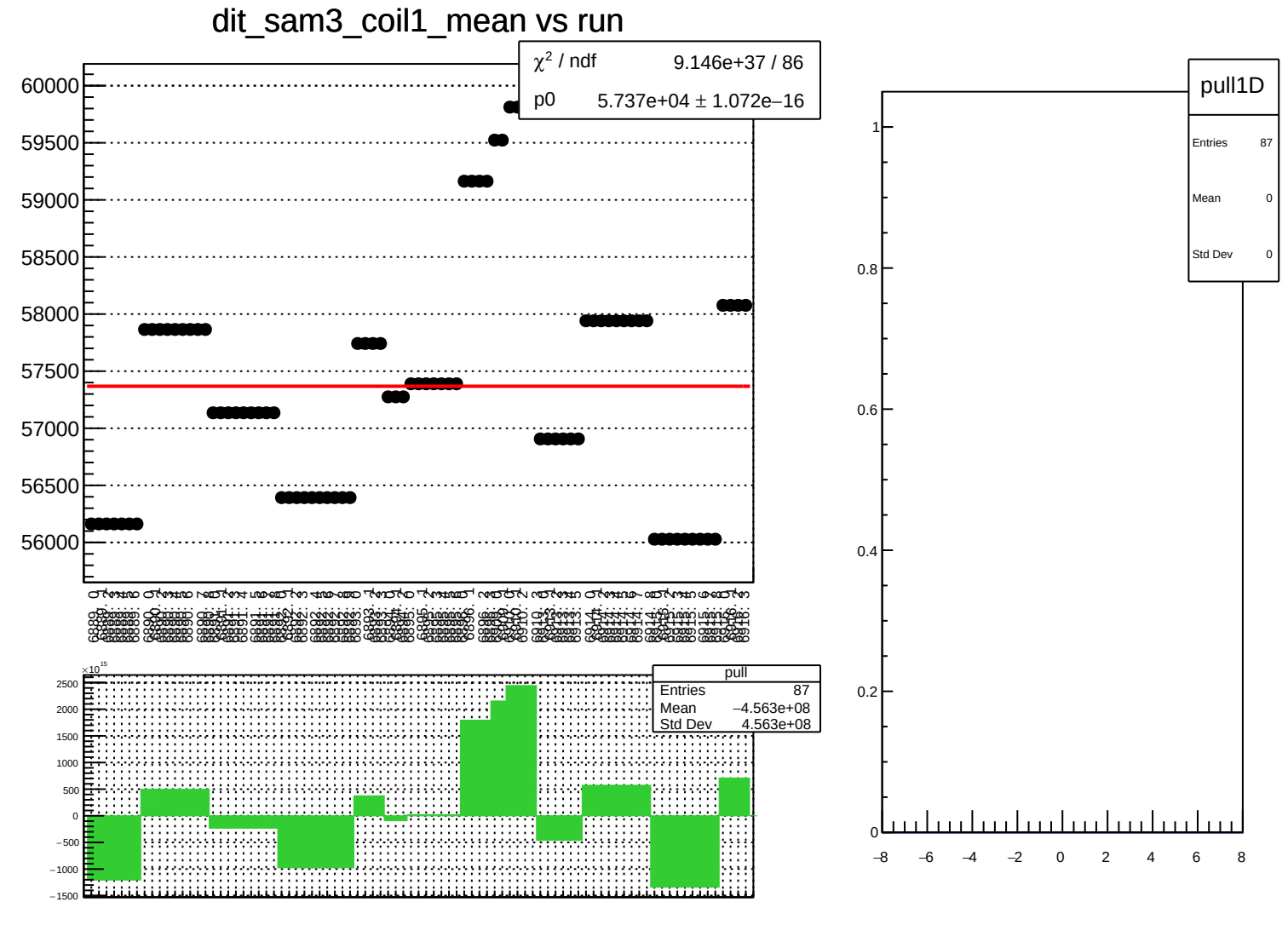

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

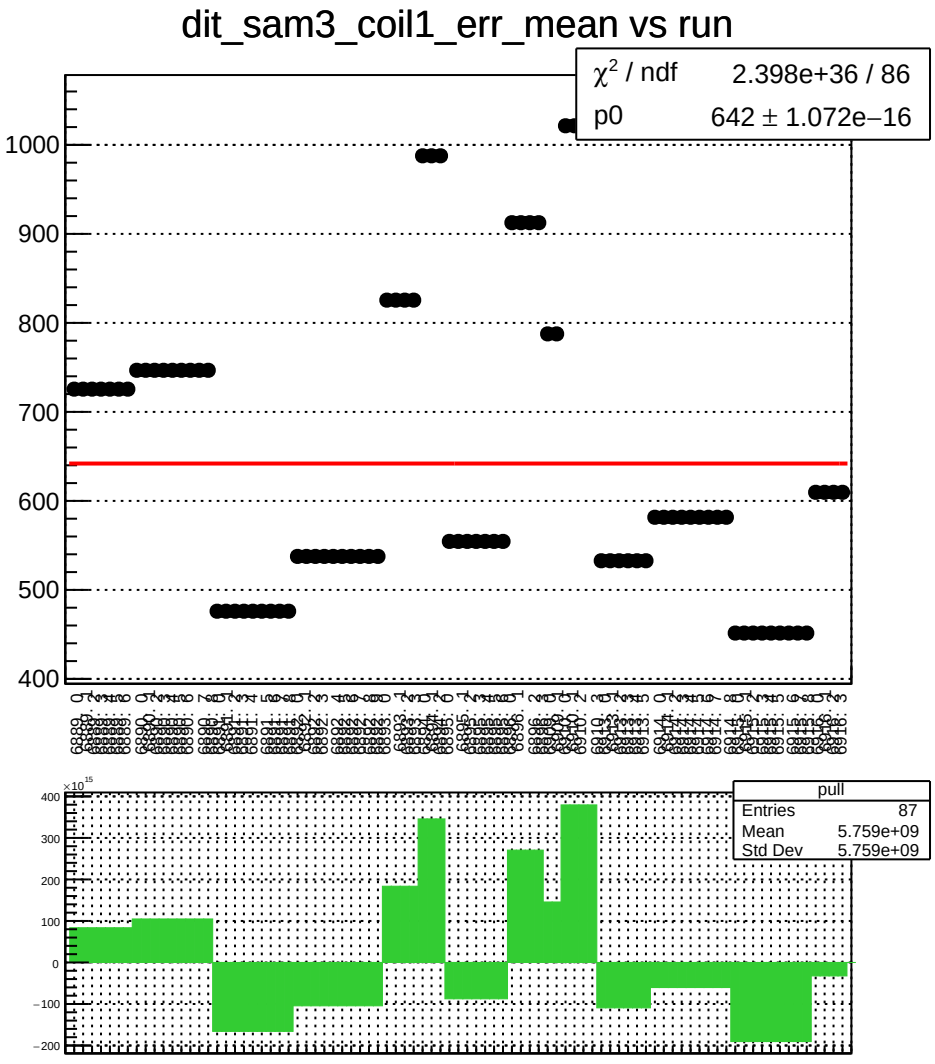

dit_sam2_coil1_err_mean vs run
χ^2 / ndf 7.673e+36 / 86
p0 1087 ± 1.072e−16
1800
1600
1400
1200
1000
800
pull
Entries 87
Mean 5.48e+08
Std Dev 5.48e+08
×10^15
600
400
200
0
−200

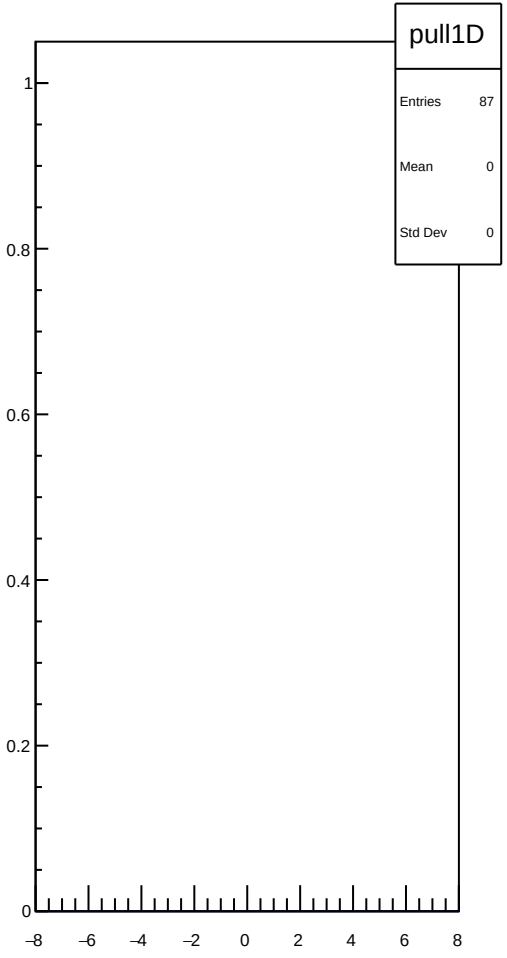

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

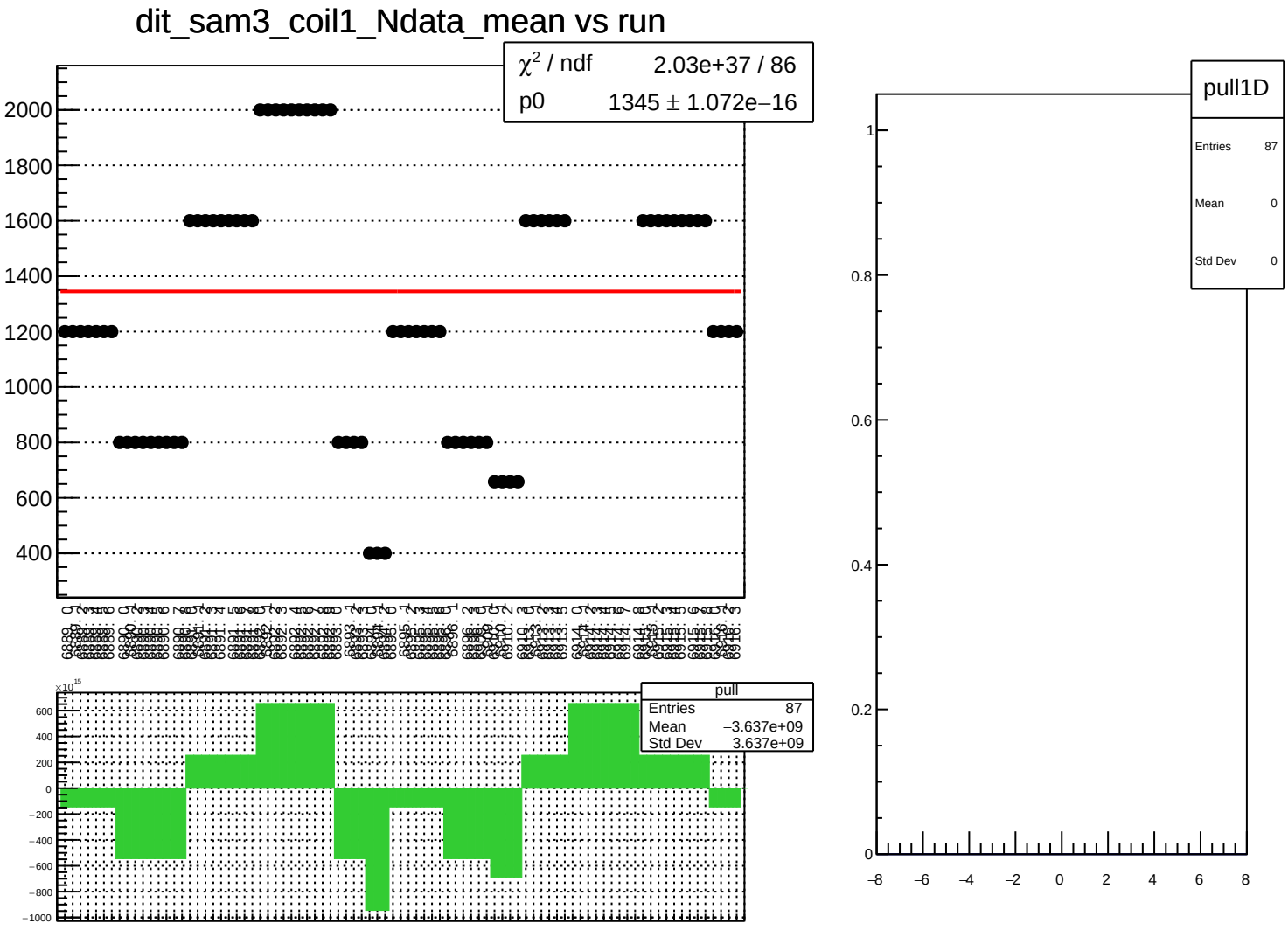

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

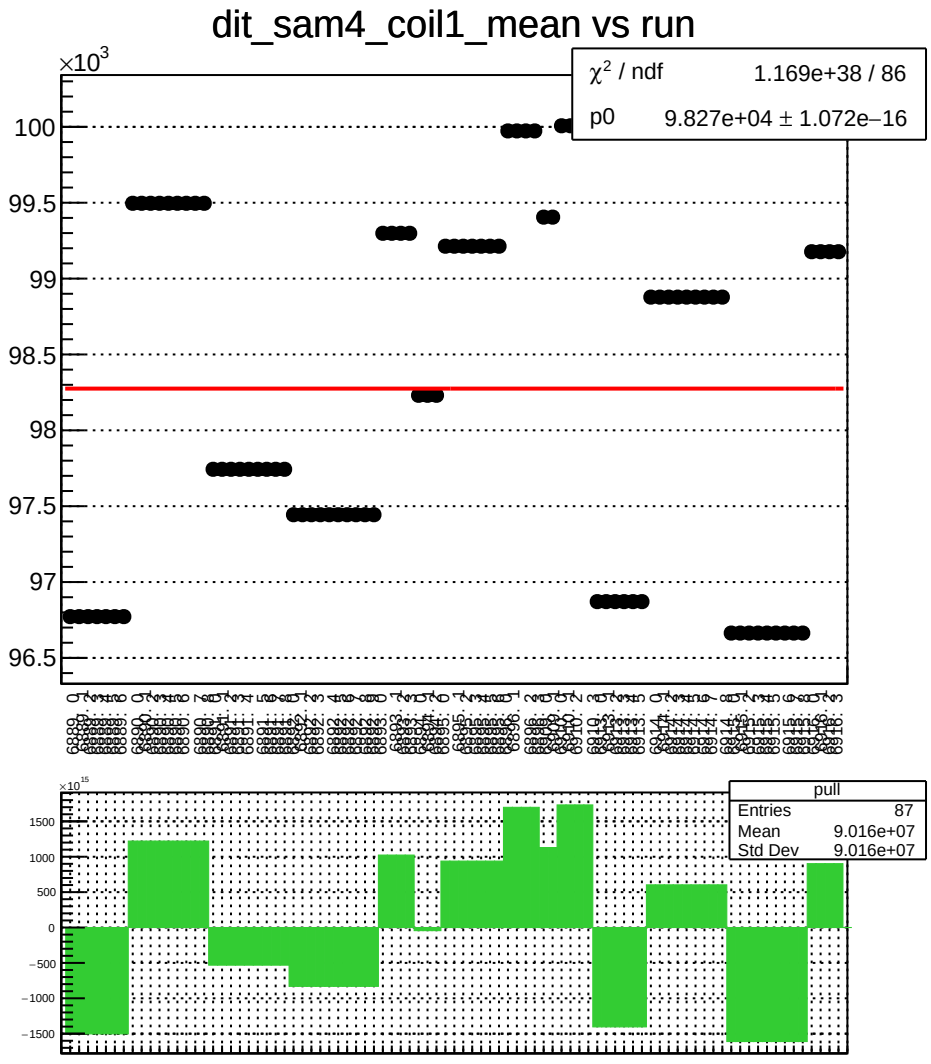

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

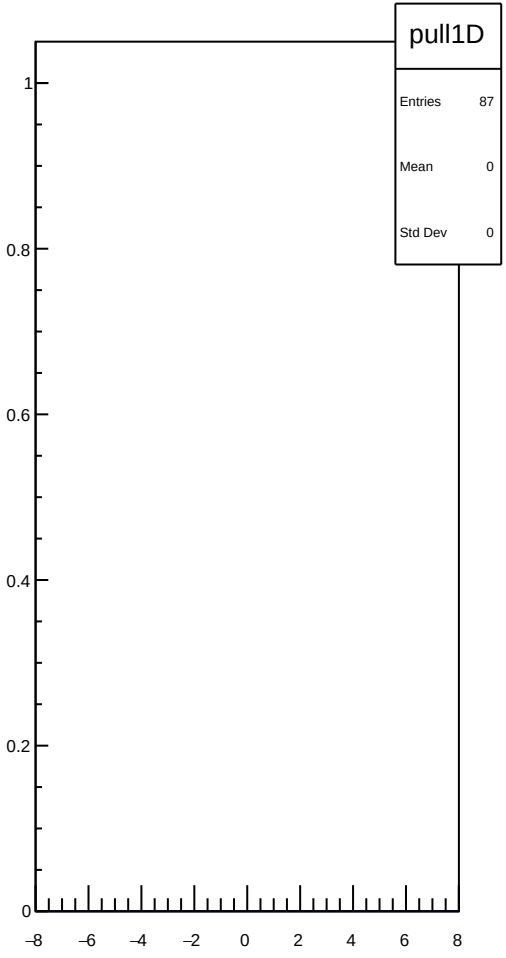

dit_sam3_coil1_mean vs run
χ² / ndf 9.146e+37 / 86
p0 5.737e+04 ± 1.072e−16
60000
59500
59000
58500
58000
57500
57000
56500
56000
pull
Entries 87
Mean −4.563e+08
Std Dev 4.563e+08
×10^15
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

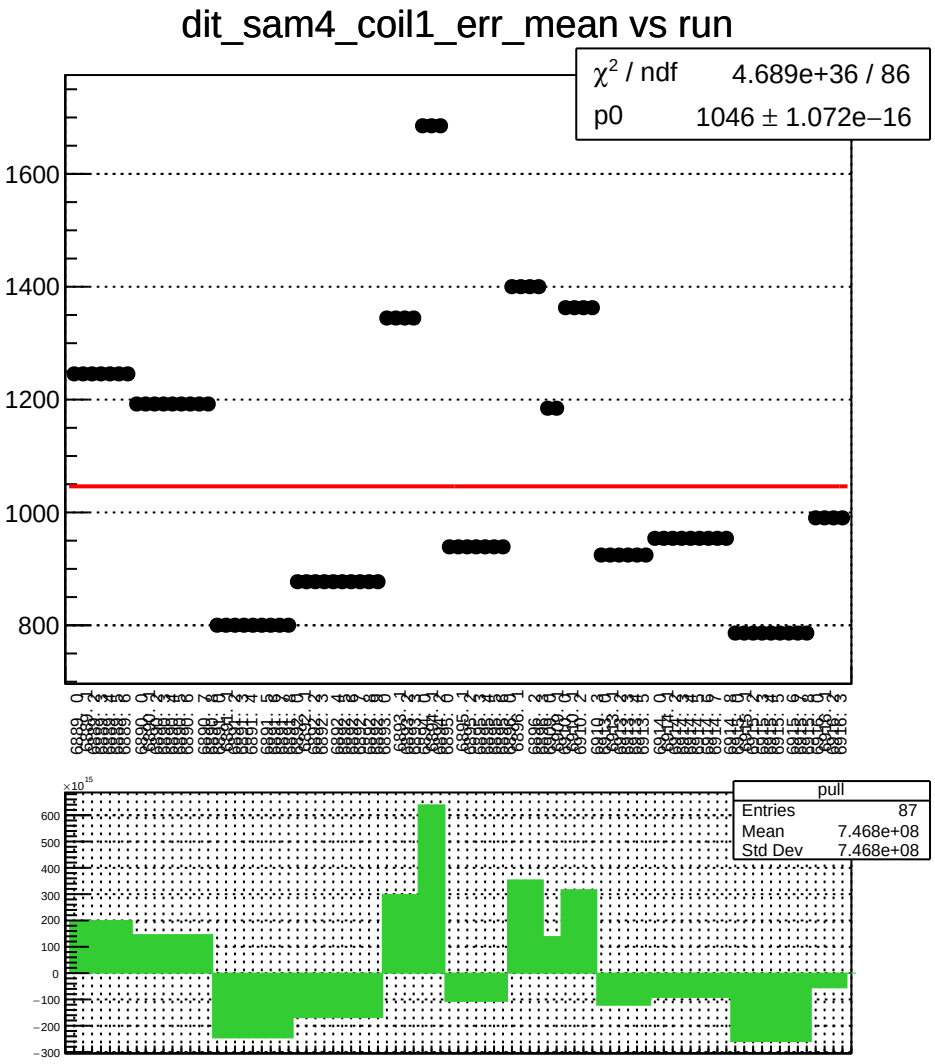

dit_sam3_coil1_err_mean vs run
χ² / ndf 2.398e+36 / 86
p0 642 ± 1.072e−16
1000
900
800
700
600
500
400
pull
Entries 87
Mean 5.759e+09
Std Dev 5.759e+09
×10¹⁵
400
300
200
100
0
−100
−200

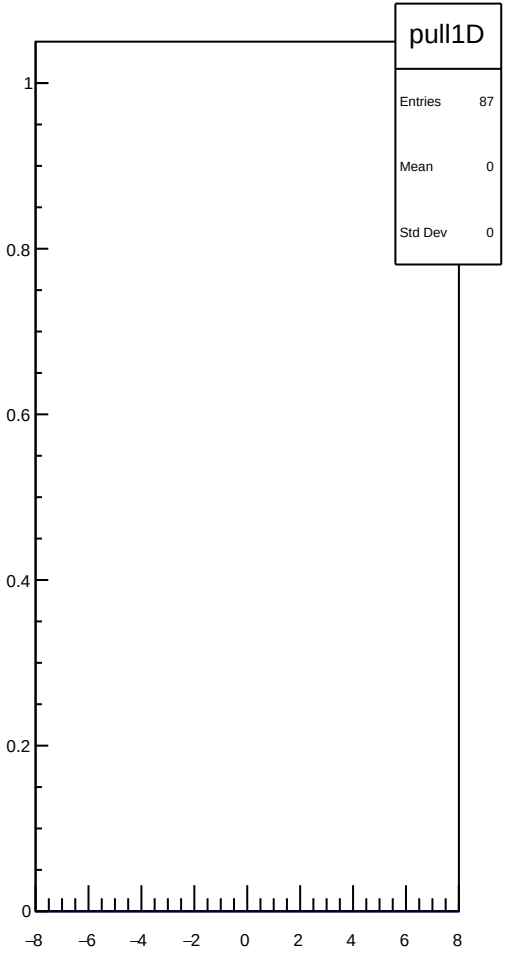

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

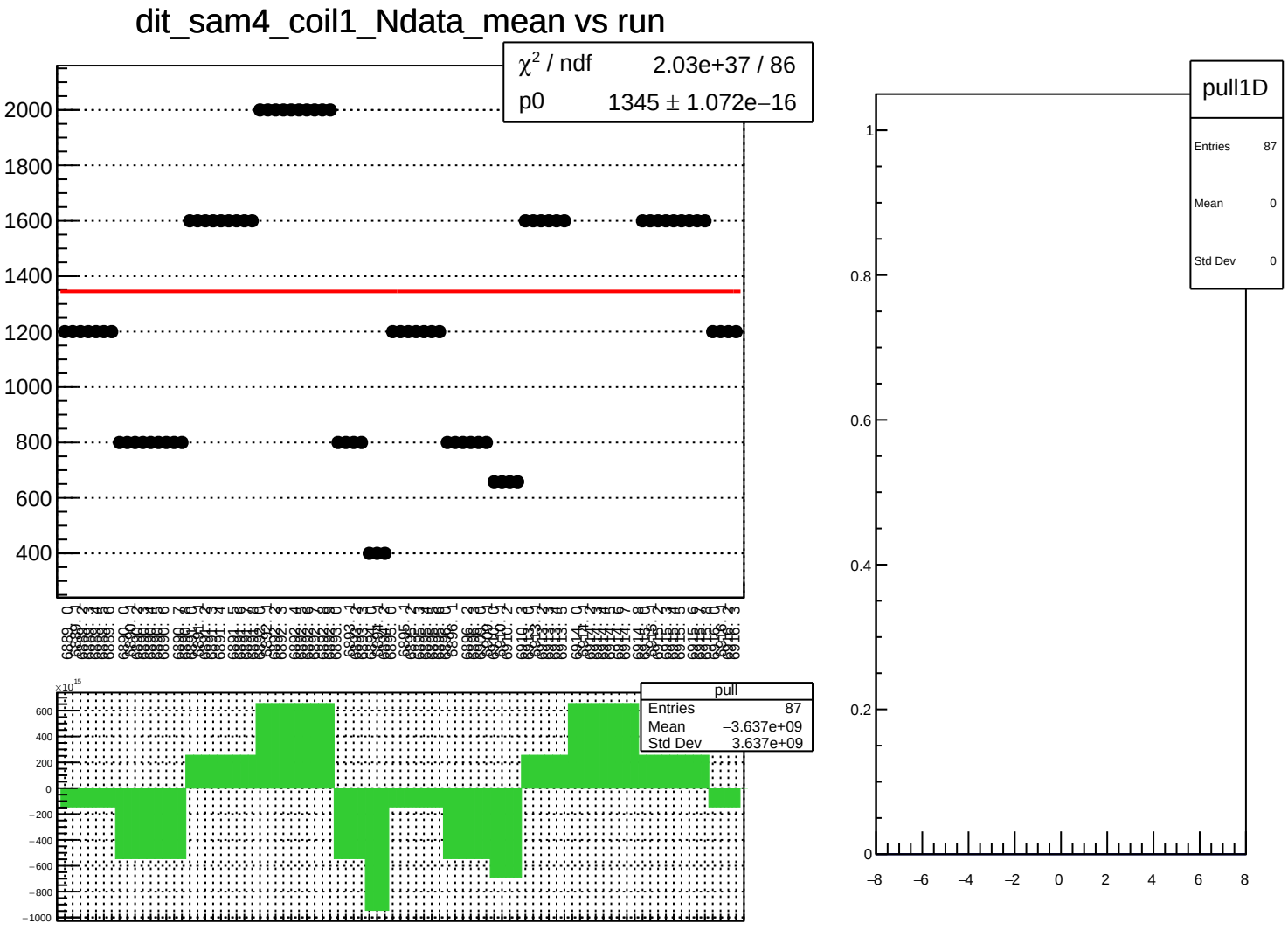

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

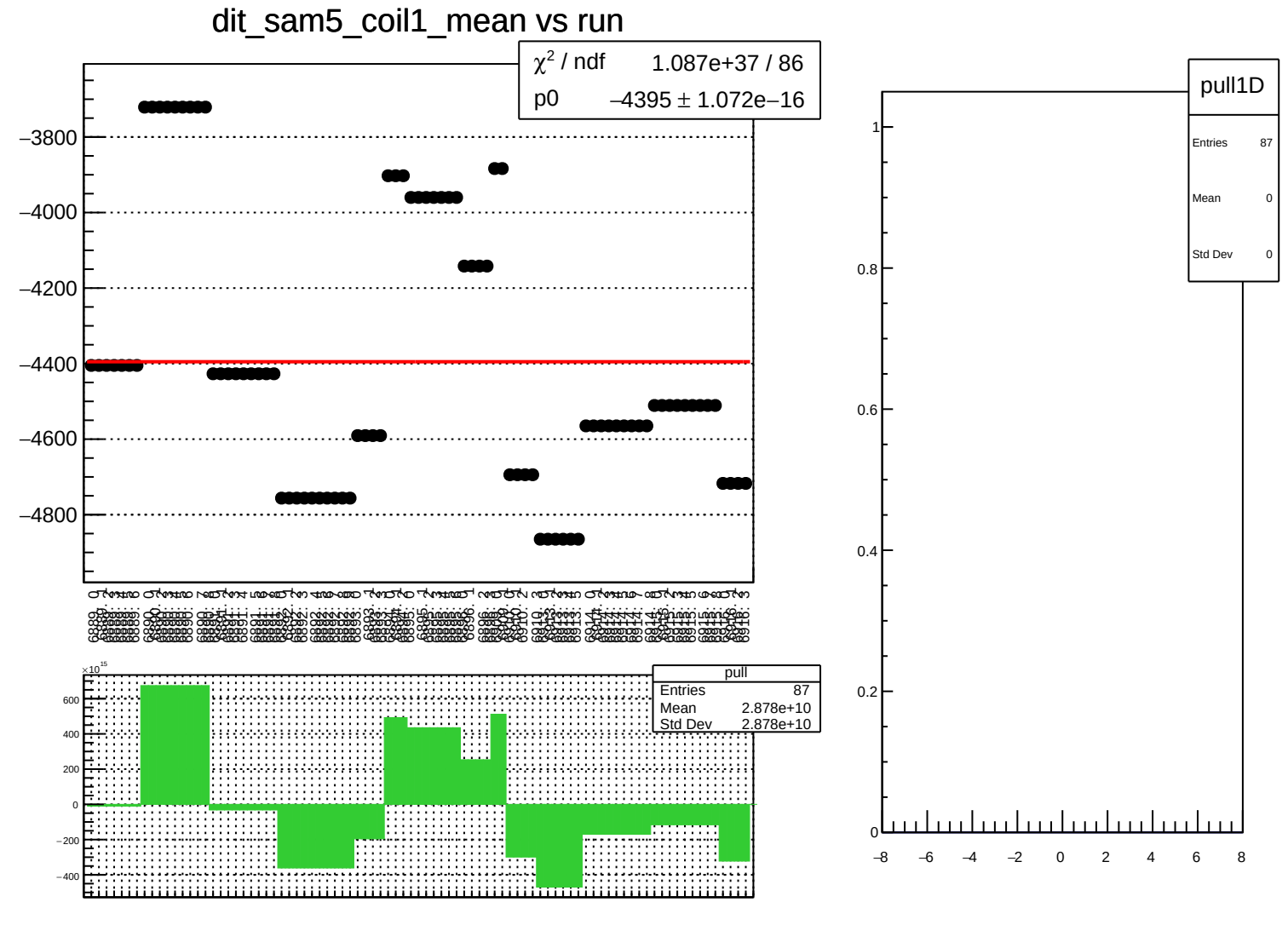

dit_sam4_coil1_mean vs run
χ^2 / ndf 1.169e+38 / 86
p0 9.827e+04 ± 1.072e−16
×10^3
100
99.5
99
98.5
98
97.5
97
96.5
pull
Entries 87
Mean 9.016e+07
Std Dev 9.016e+07
×10^15
1500
1000
500
0
−500
−1000
−1500

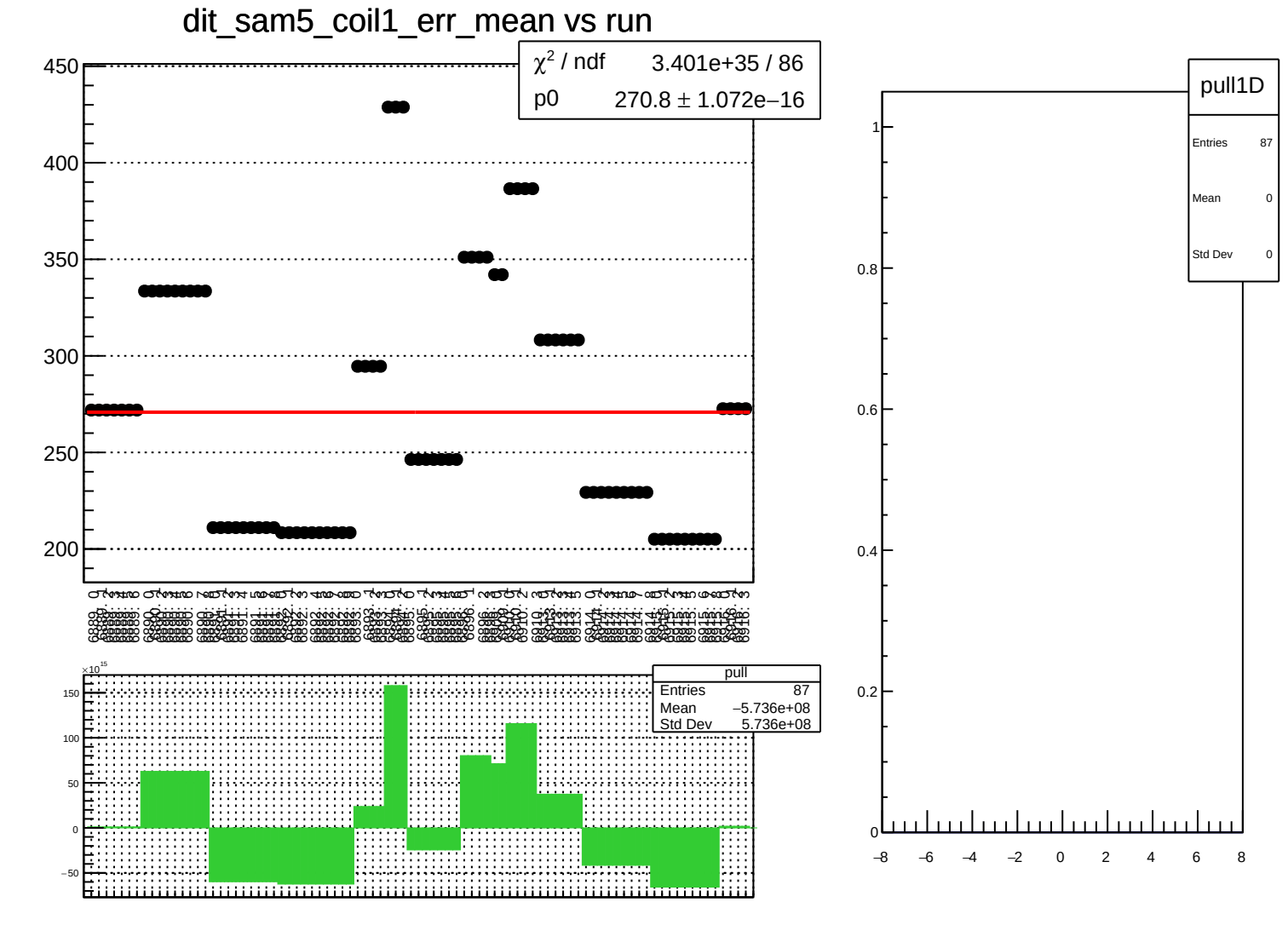

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

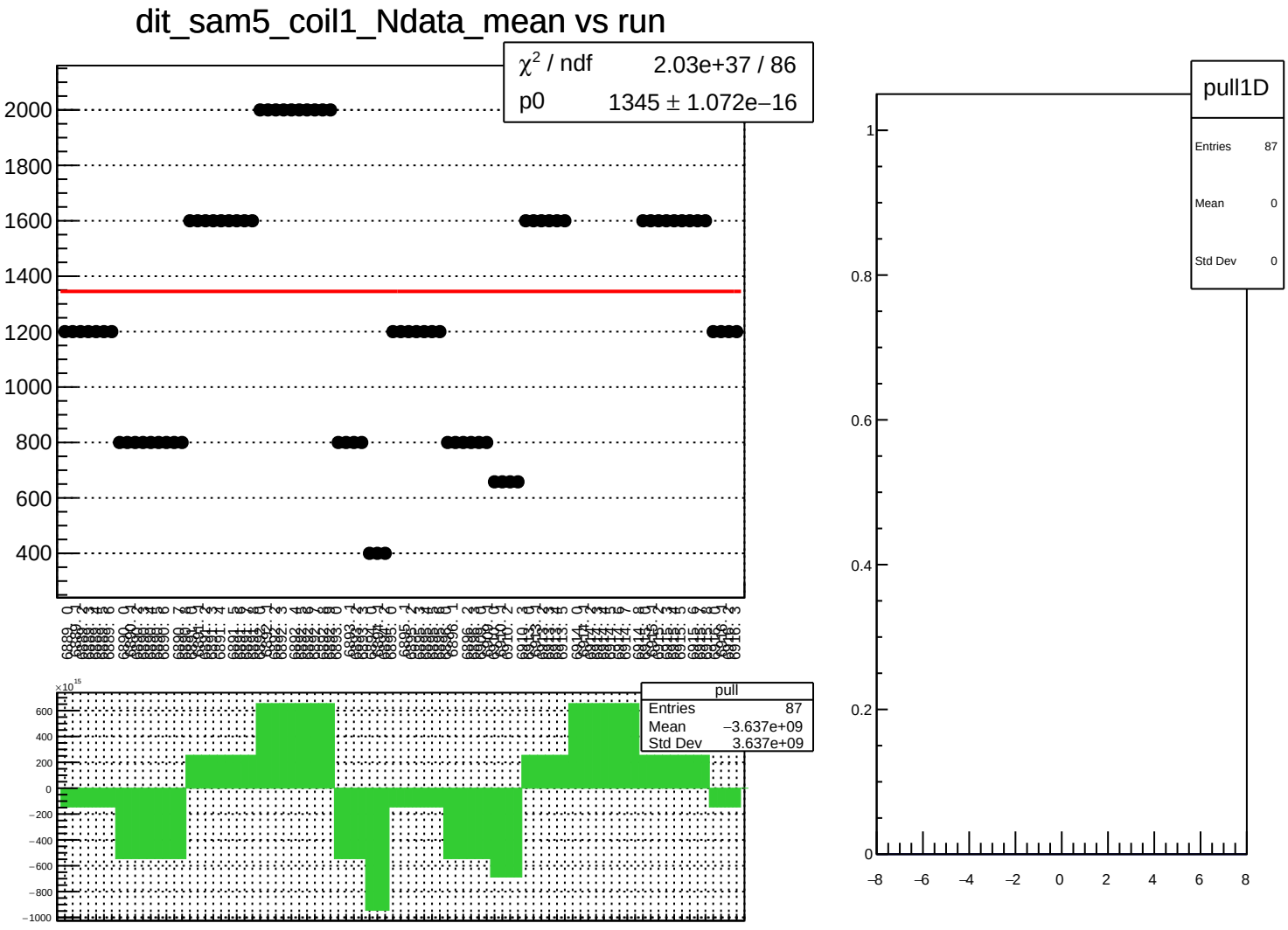

dit_sam4_coil1_err_mean vs run
χ² / ndf 4.689e+36 / 86
p0 1046 ± 1.072e−16
1600
1400
1200
1000
800
pull
Entries 87
Mean 7.468e+08
Std Dev 7.468e+08
×10¹⁵
600
500
400
300
200
100
0
−100
−200
−300

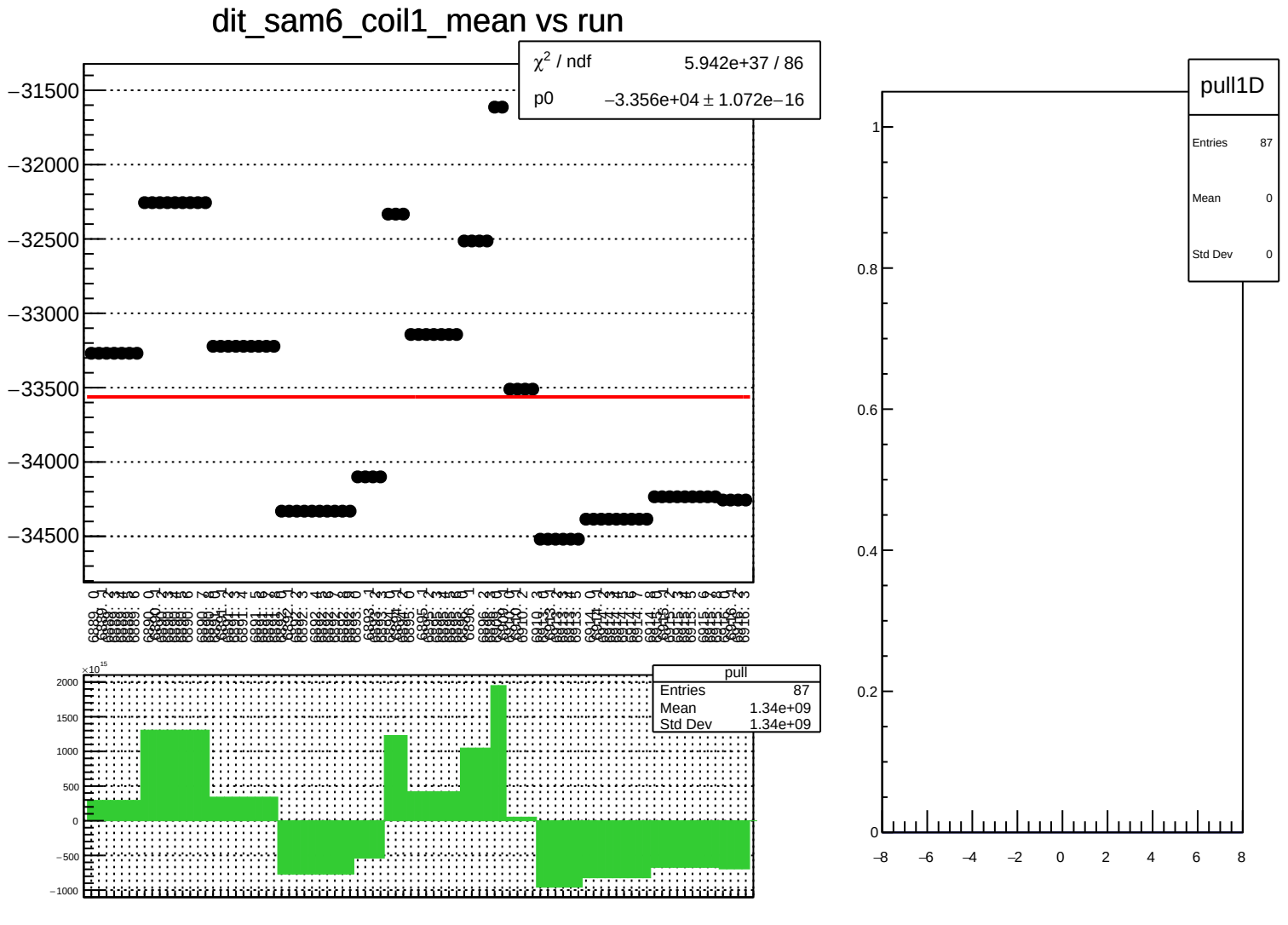

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

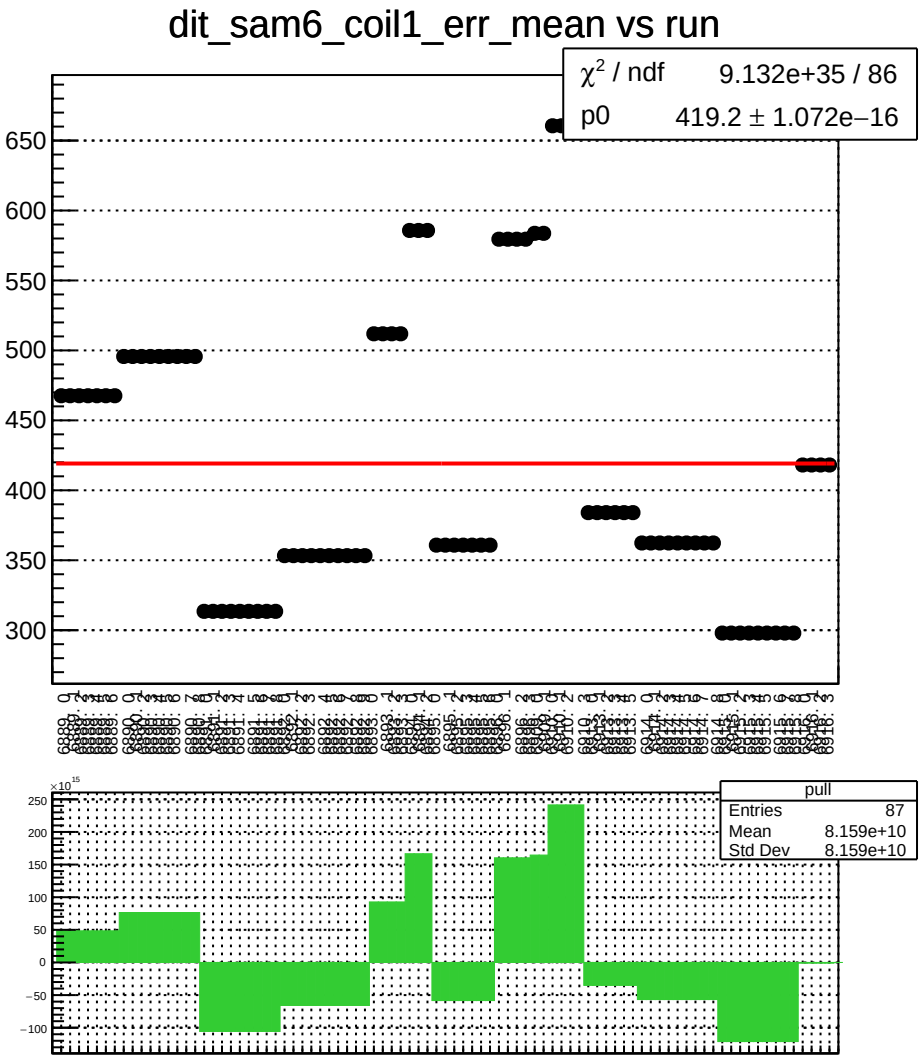

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
pull1D
Entries 87
Mean 0
Std Dev 0

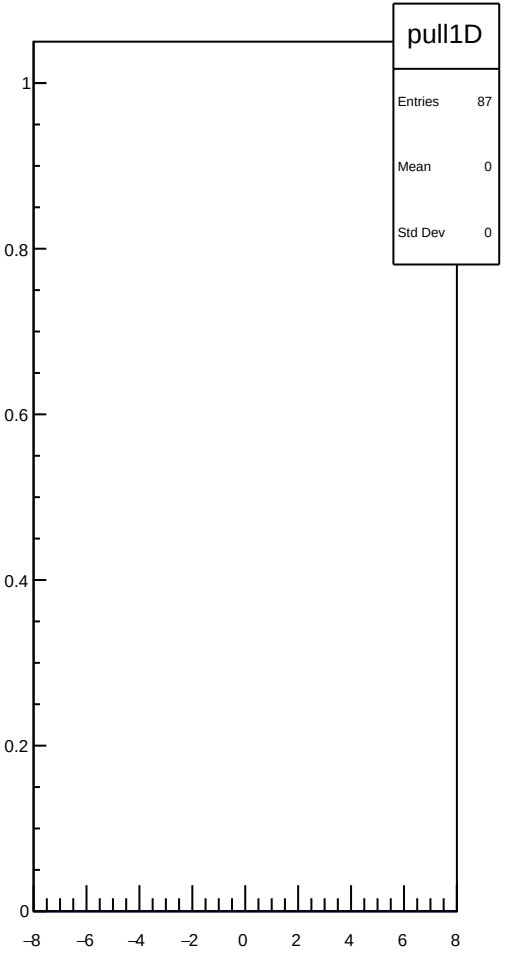

dit_sam5_coil1_mean vs run
χ² / ndf 1.087e+37 / 86
p0 −4395 ± 1.072e−16
−3800
−4000
−4200
−4400
−4600
−4800
pull
Entries 87
Mean 2.878e+10
Std Dev 2.878e+10
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil1_err_mean vs run
χ² / ndf 3.401e+35 / 86
p0 270.8 ± 1.072e−16
450
400
350
300
250
200
pull
Entries 87
Mean −5.736e+08
Std Dev 5.736e+08
×10¹⁵
150
100
50
0
−50
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

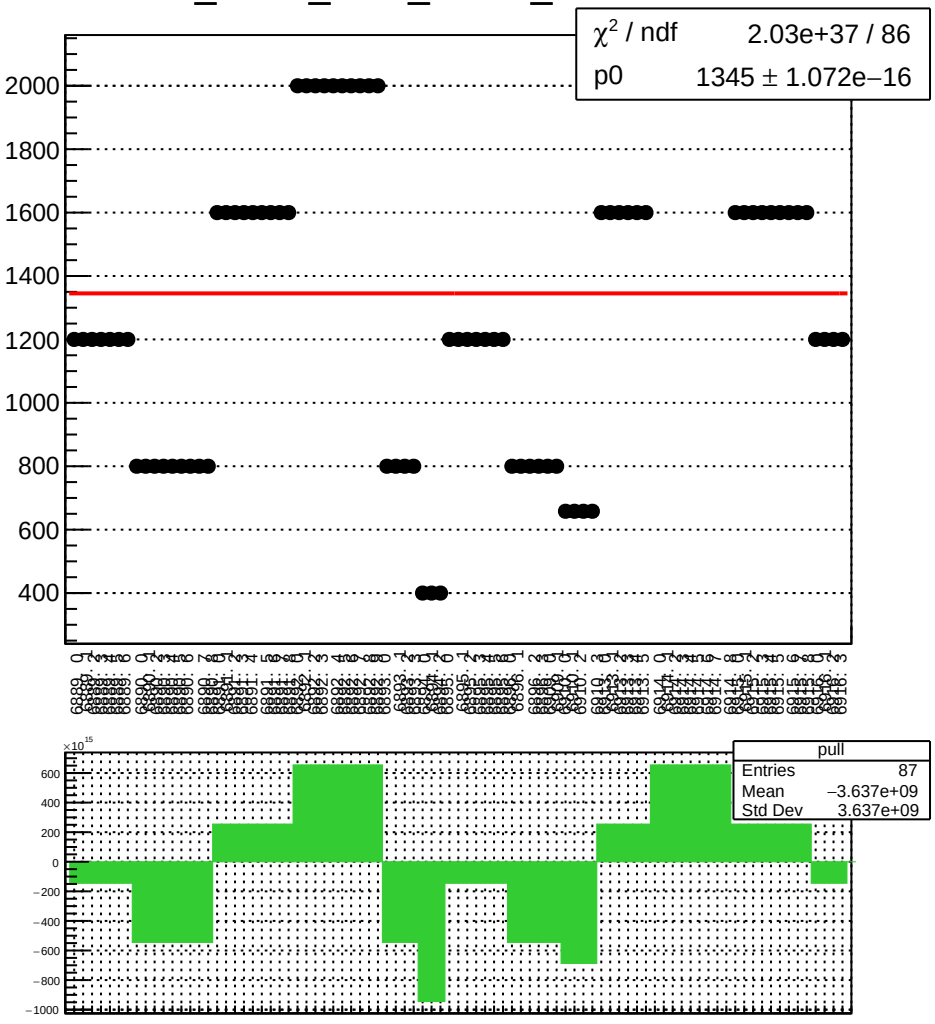

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

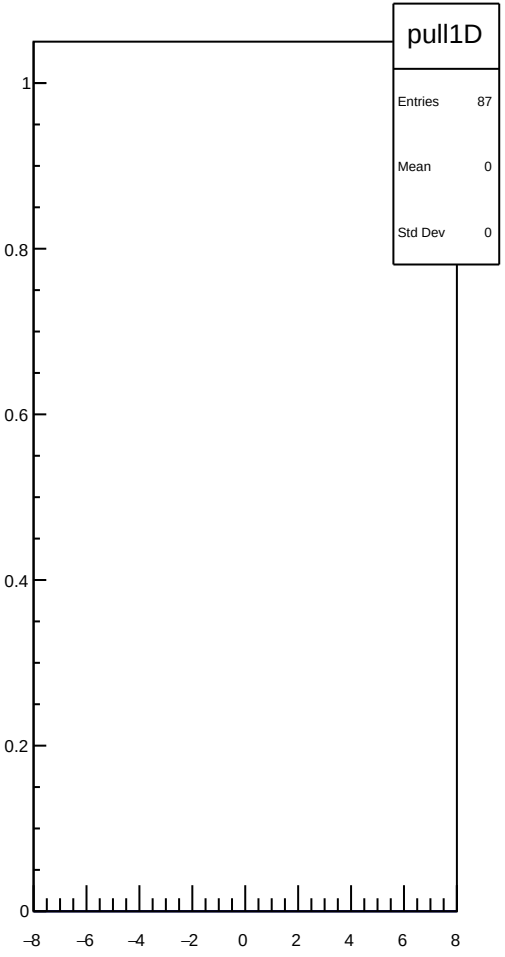

dit_sam6_coil1_mean vs run
χ2 / ndf 5.942e+37 / 86
p0 −3.356e+04 ± 1.072e−16
−31500
−32000
−32500
−33000
−33500
−34000
−34500
pull
Entries 87
Mean 1.34e+09
Std Dev 1.34e+09
×10^15
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

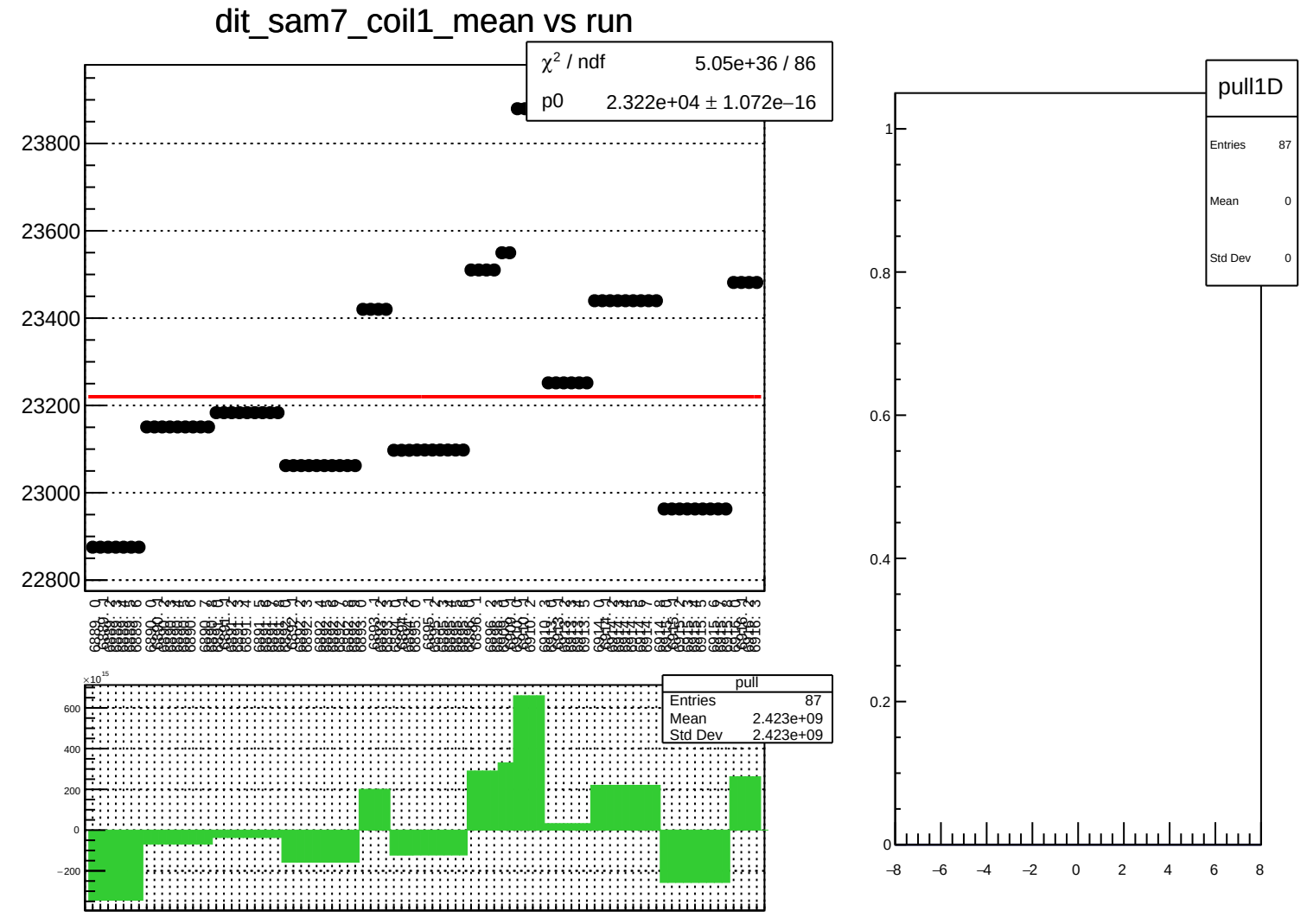

dit_sam6_coil1_err_mean vs run
χ^2 / ndf 9.132e+35 / 86
p0 419.2 ± 1.072e−16
650
600
550
500
450
400
350
300
pull
Entries 87
Mean 8.159e+10
Std Dev 8.159e+10
×10^15
250
200
150
100
50
0
−50
−100

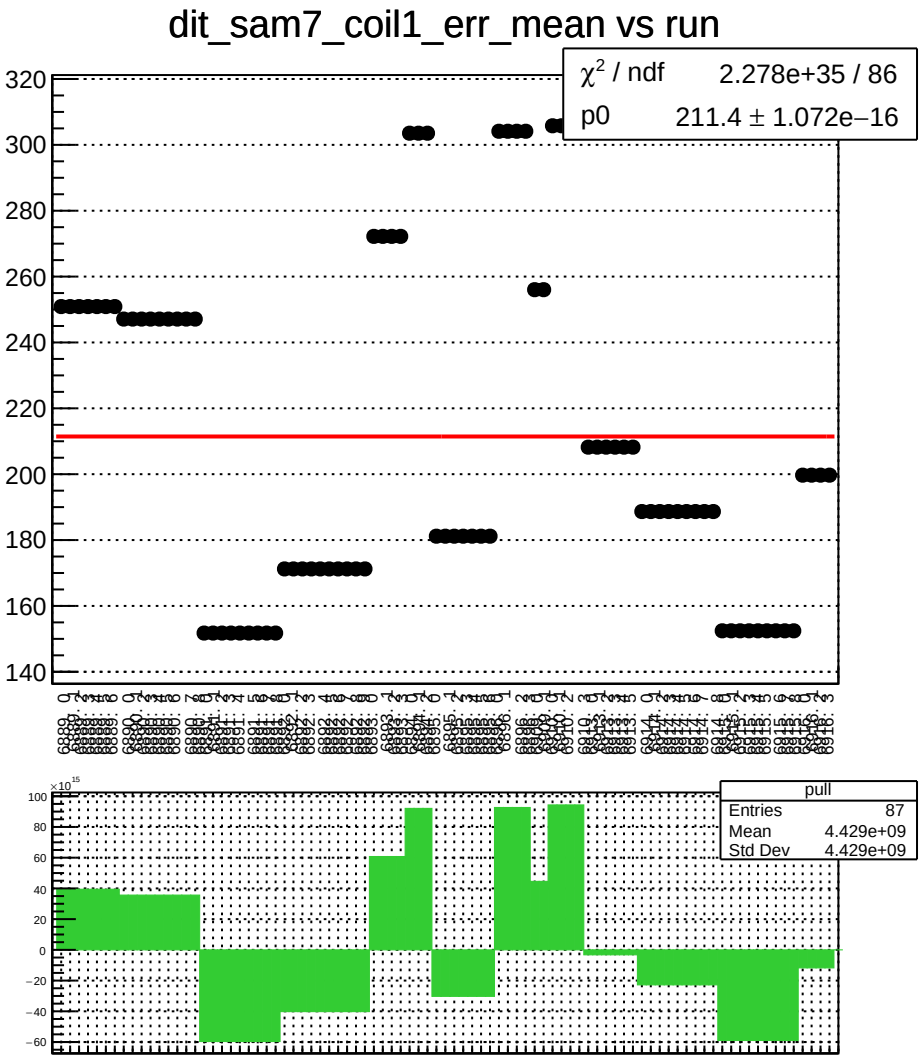

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

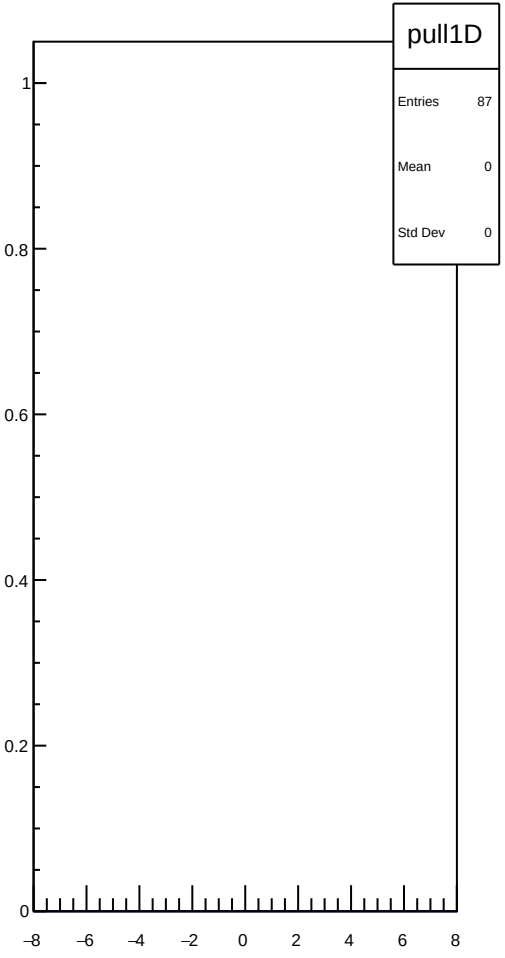
dit_sam6_coil1_Ndata_mean vs run

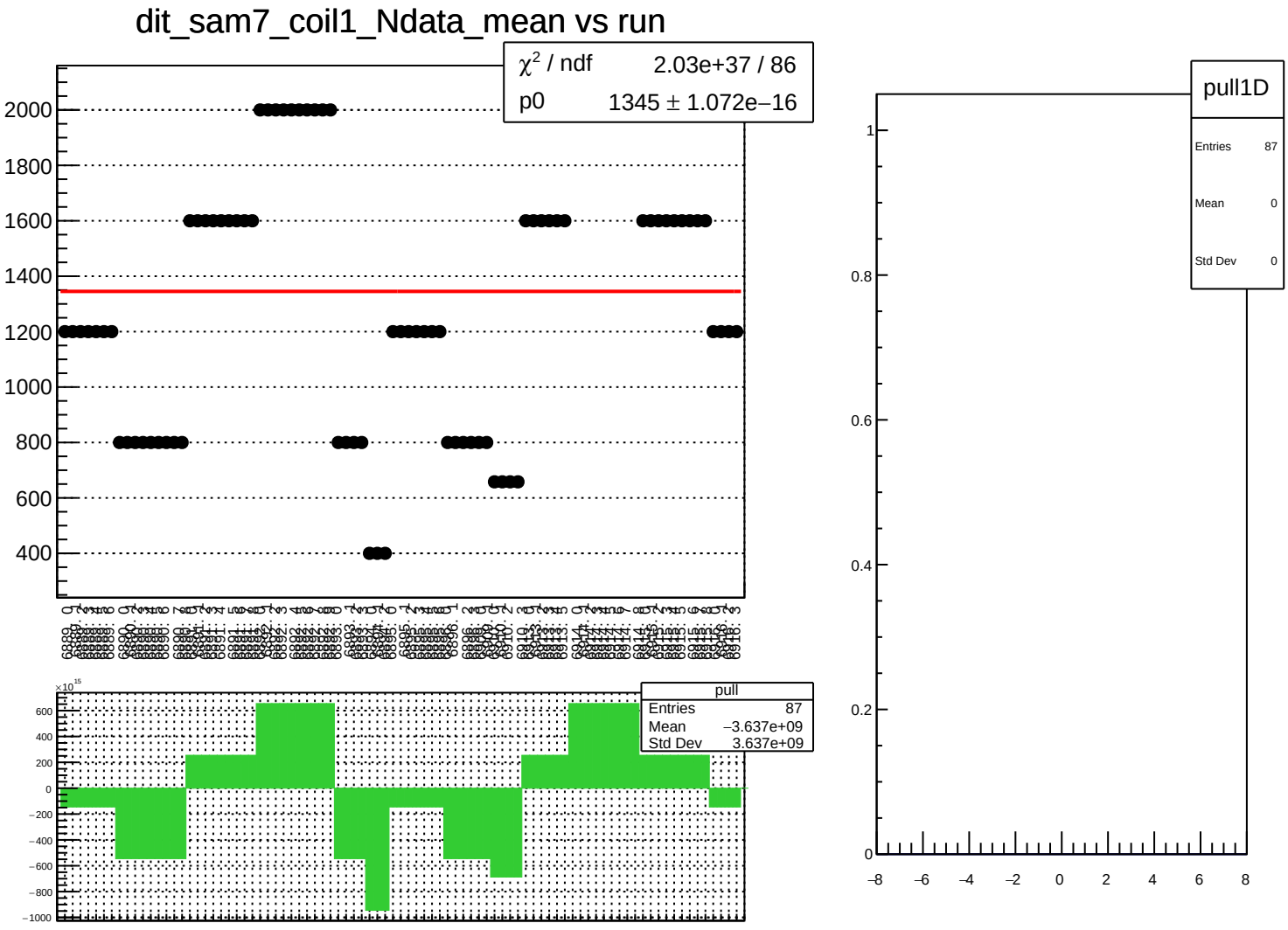


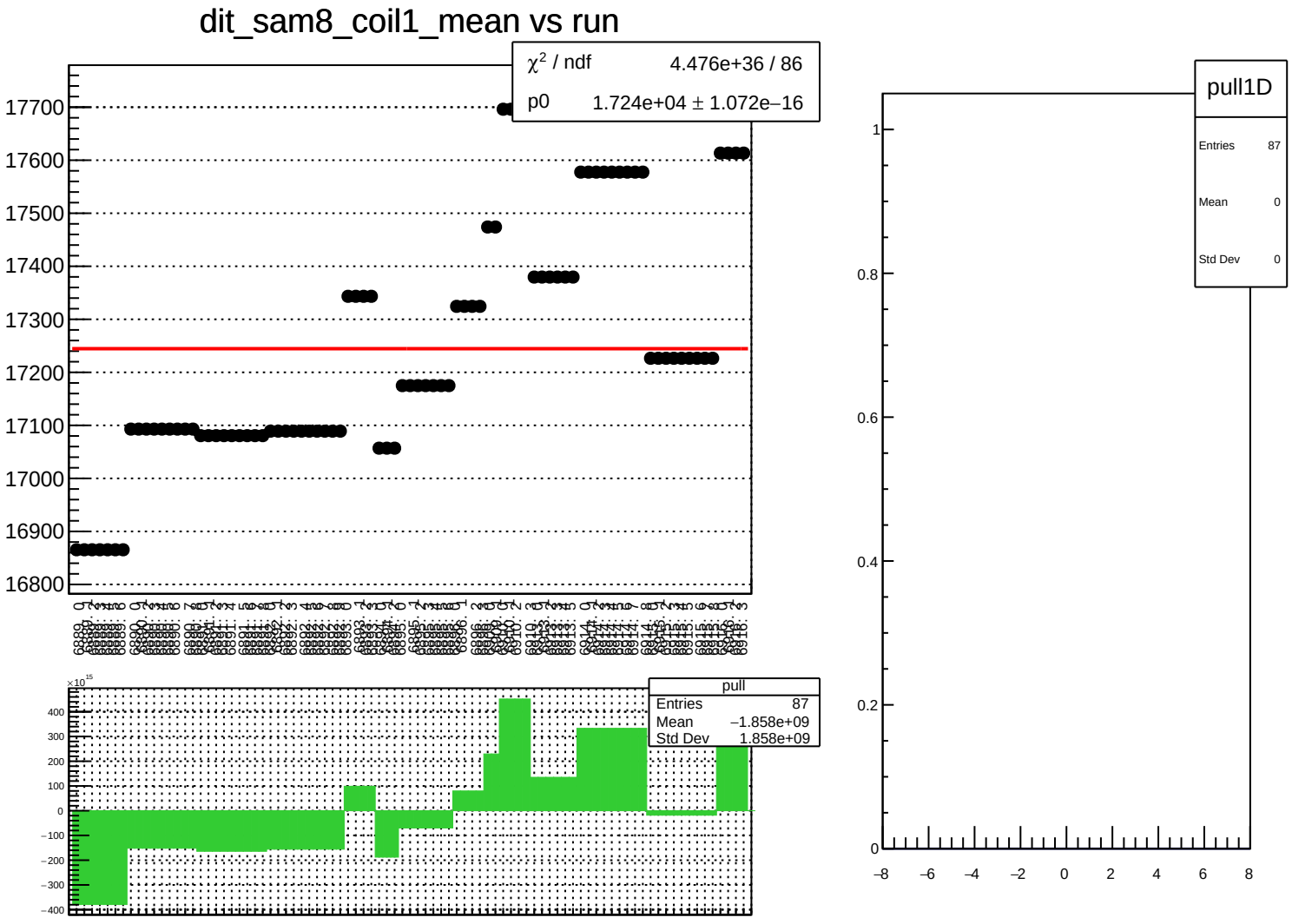


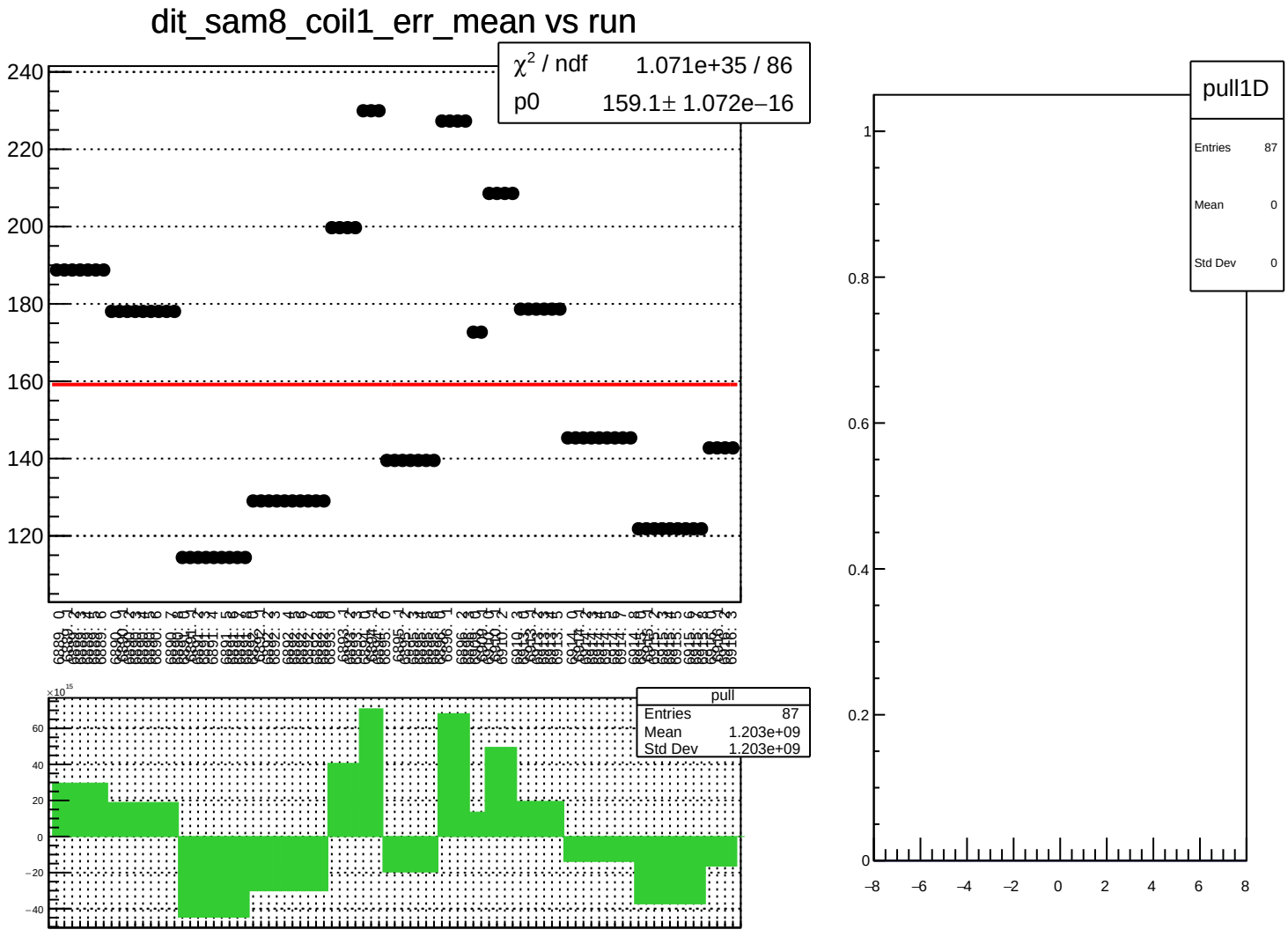

dit_sam7_coil1_mean vs run
χ² / ndf 5.05e+36 / 86
p0 2.322e+04 ± 1.072e−16
23800
23600
23400
23200
23000
22800
pull
Entries 87
Mean 2.423e+09
Std Dev 2.423e+09
×10^15
600
400
200
0
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

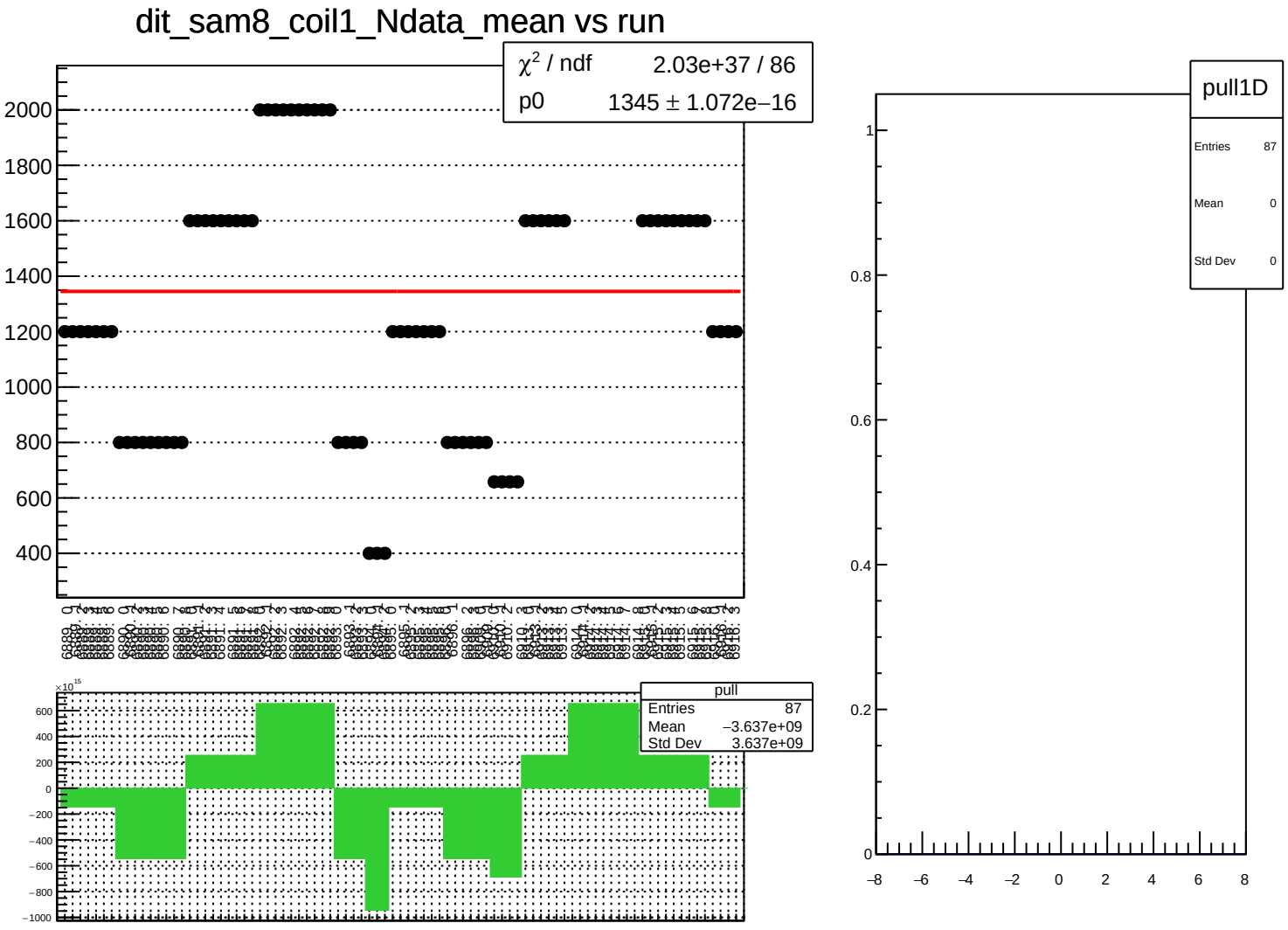

dit_sam7_coil1_err_mean vs run
χ² / ndf 2.278e+35 / 86
p0 211.4 ± 1.072e−16
pull
Entries 87
Mean 4.429e+09
Std Dev 4.429e+09


pull1D
Entries 87
Mean 0
Std Dev 0

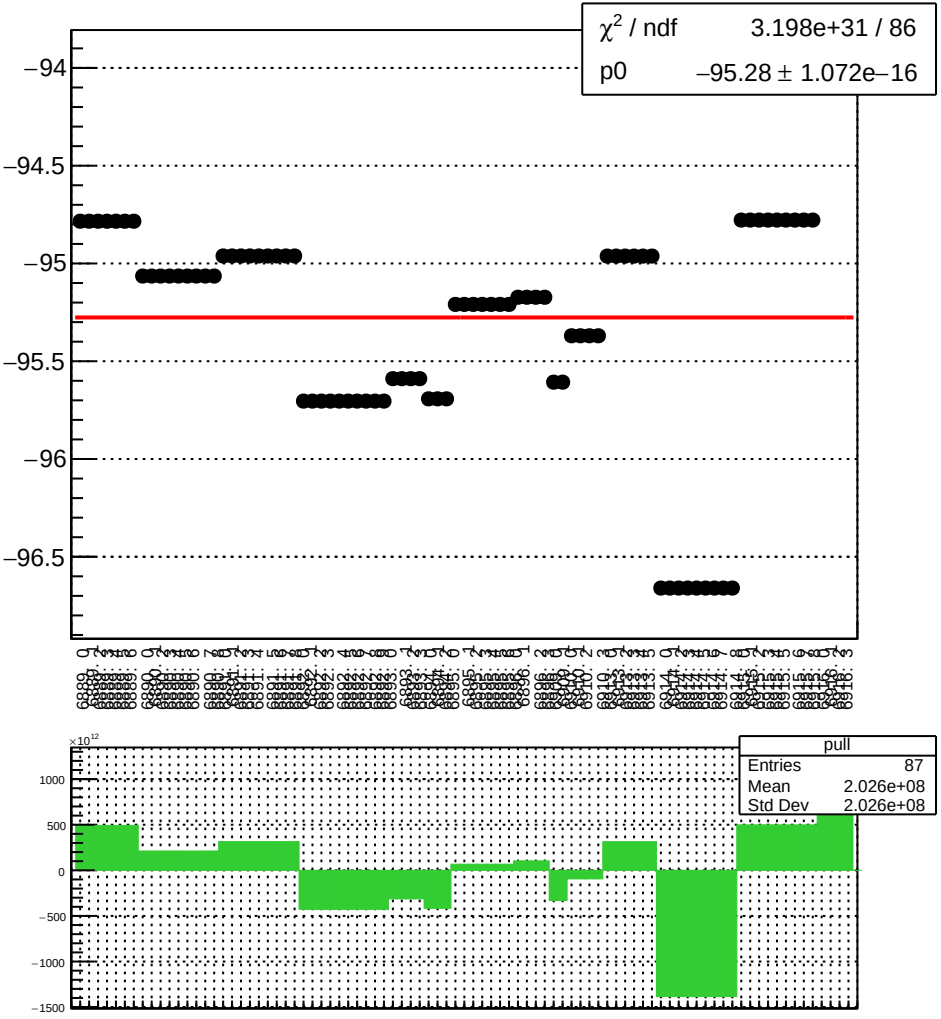

dit_sam7_coil1_Ndata_mean vs run
χ^2 / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

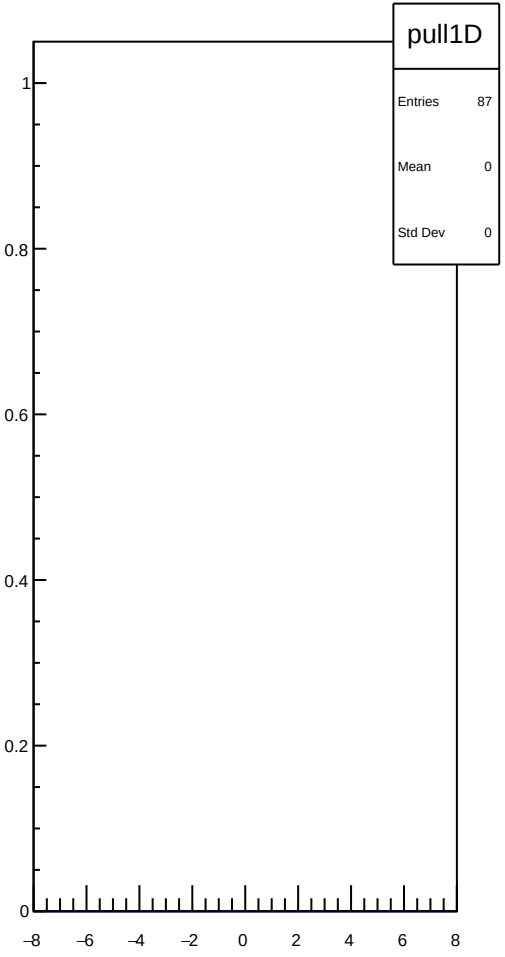

dit_sam8_coil1_mean vs run
χ² / ndf 4.476e+36 / 86
p0 1.724e+04 ± 1.072e−16
17700
17600
17500
17400
17300
17200
17100
17000
16900
16800
pull
Entries 87
Mean −1.858e+09
Std Dev 1.858e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil1_err_mean vs run
χ² / ndf 1.071e+35 / 86
p0 159.1± 1.072e−16
240
220
200
180
160
140
120
pull
Entries 87
Mean 1.203e+09
Std Dev 1.203e+09
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

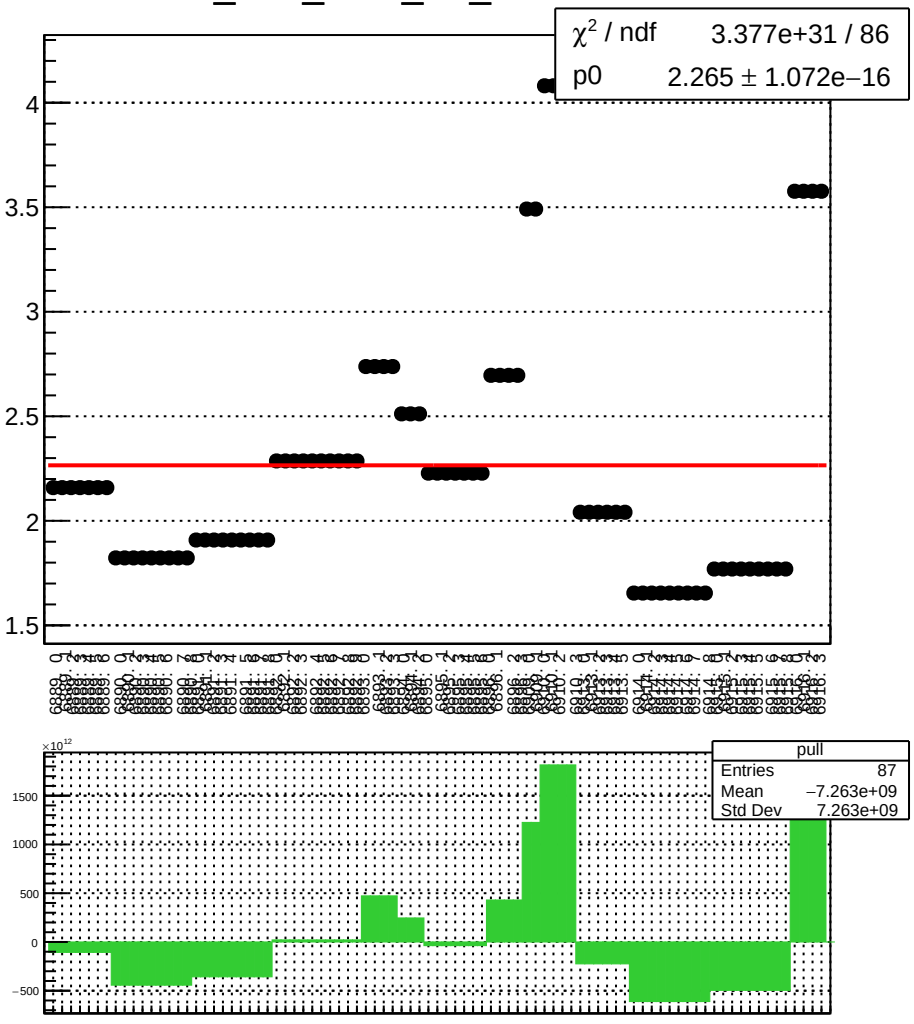

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 2.03e+37 / 86
p0 1345 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 87
Mean −3.637e+09
Std Dev 3.637e+09
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

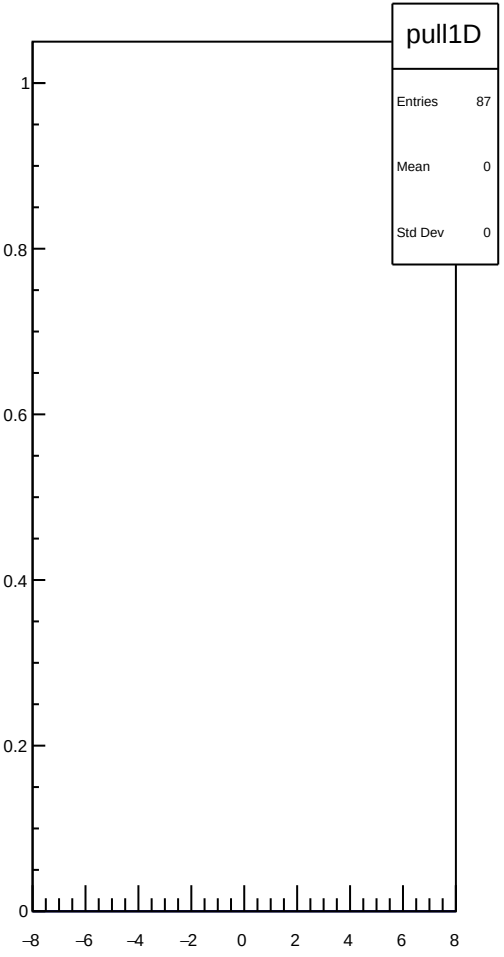
dit_4aX_coil3_mean vs run



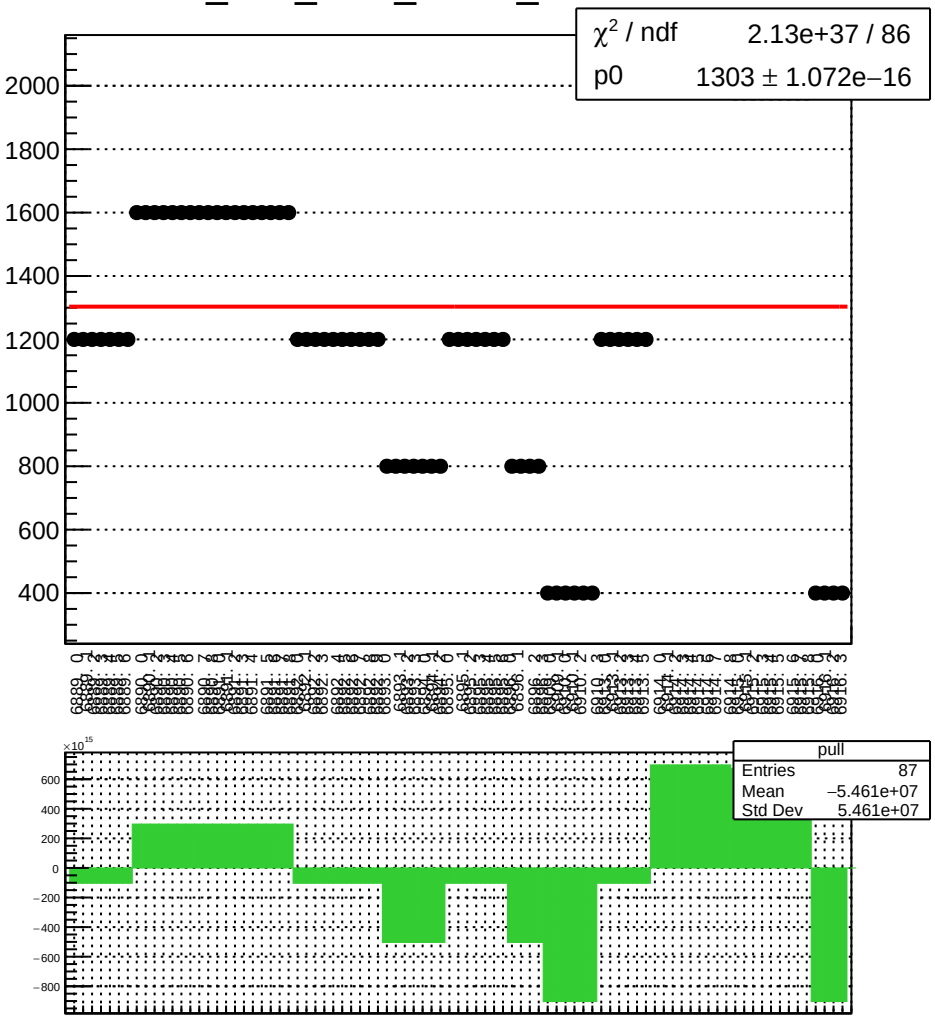


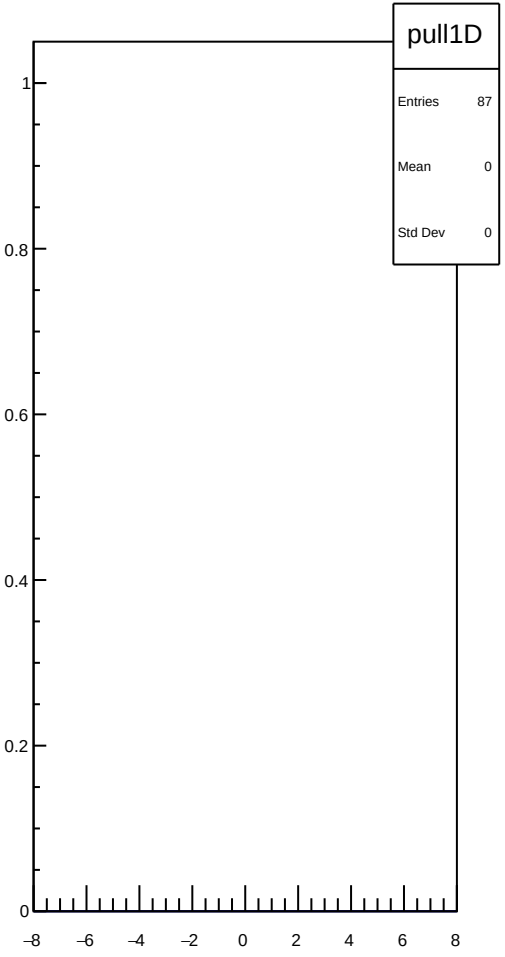
dit_4aX_coil3_err_mean vs run

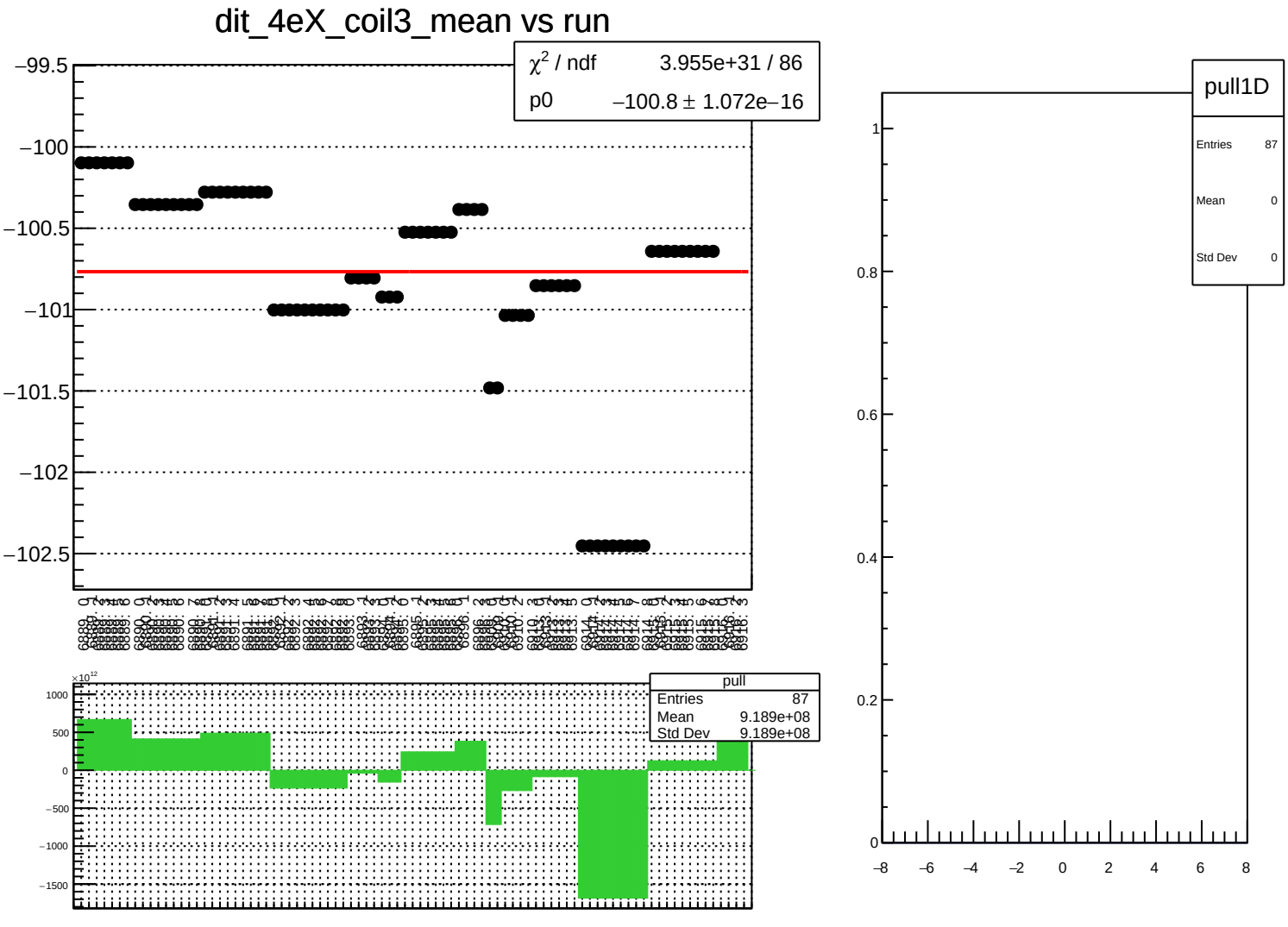




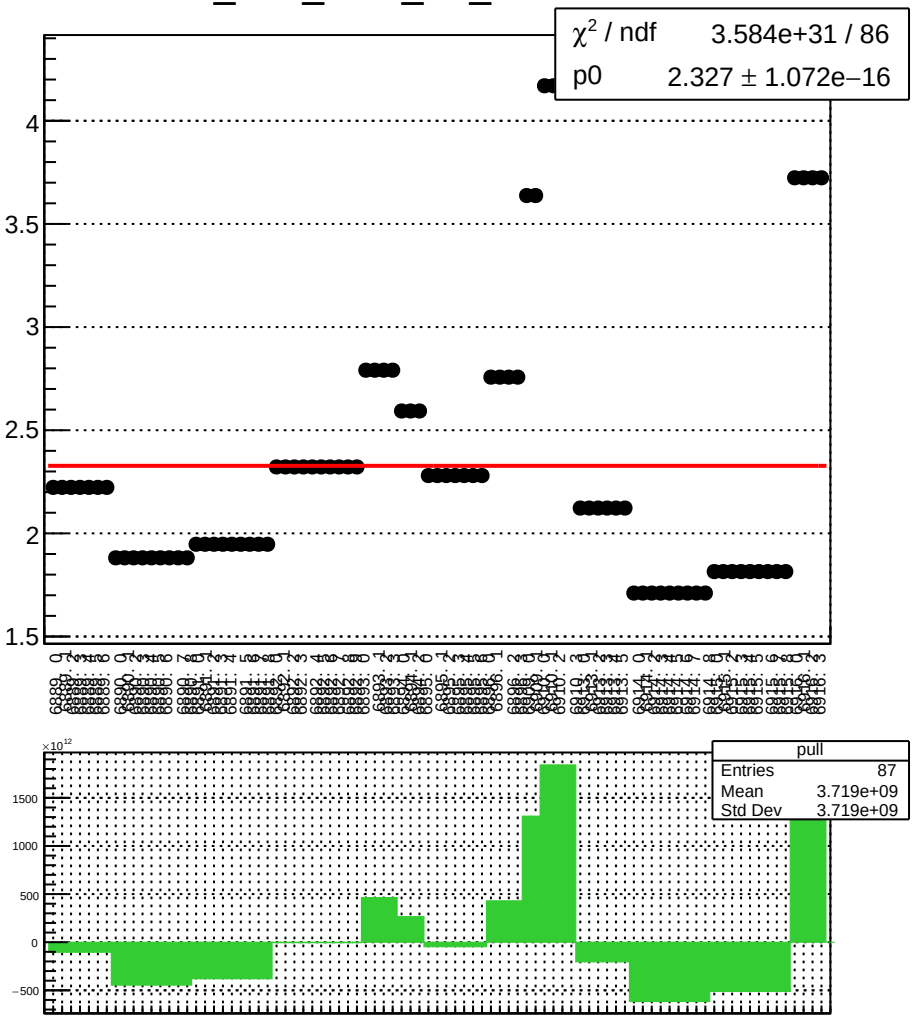
dit_4aX_coil3_Ndata_mean vs run

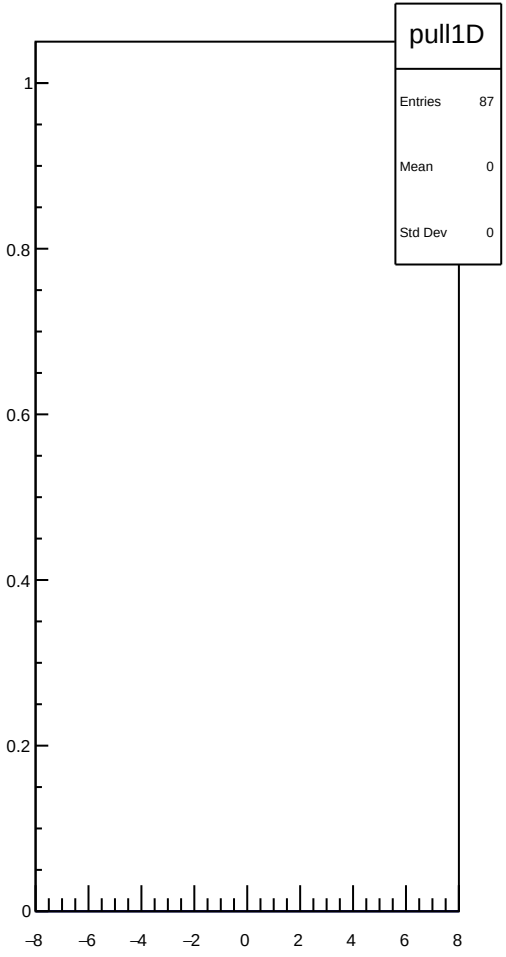




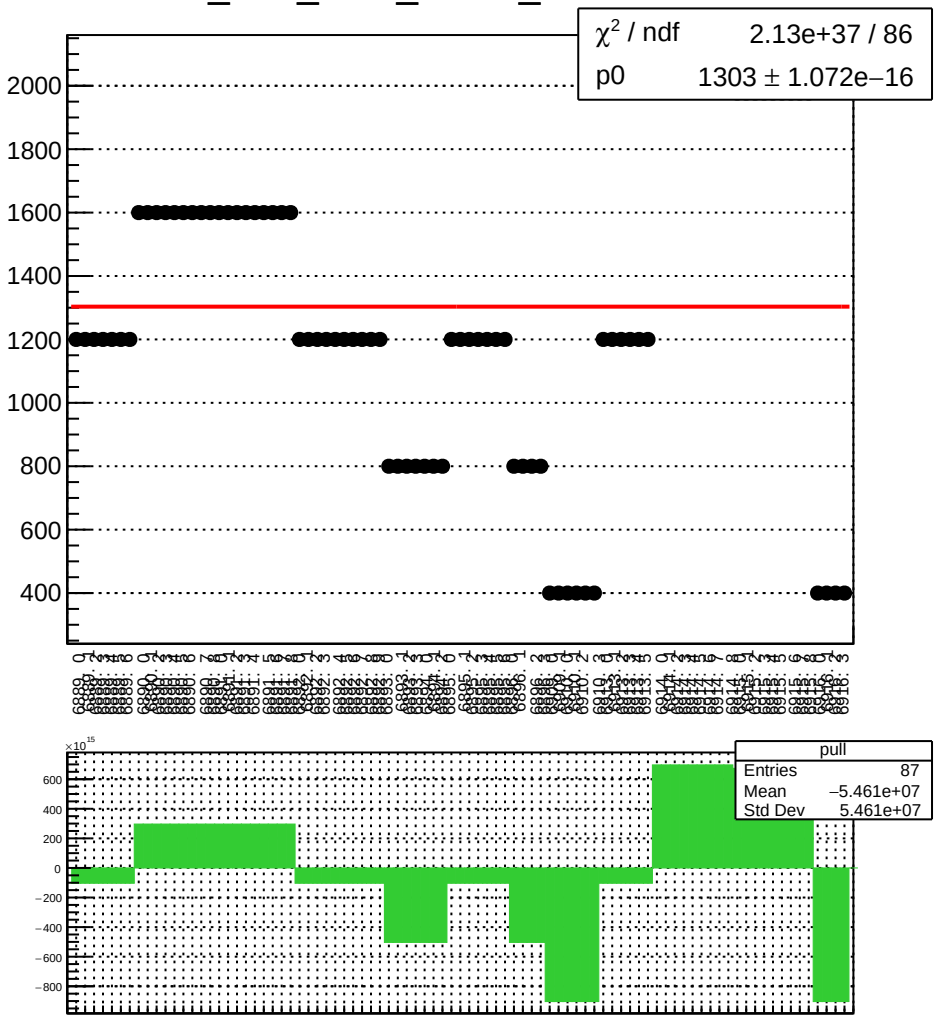

dit_4eX_coil3_mean vs run
χ² / ndf 3.955e+31 / 86
p0 −100.8 ± 1.072e−16
−99.5
−100
−100.5
−101
−101.5
−102
−102.5
pull
Entries 87
Mean 9.189e+08
Std Dev 9.189e+08
×10¹²
1000
500
0
−500
−1000
−1500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

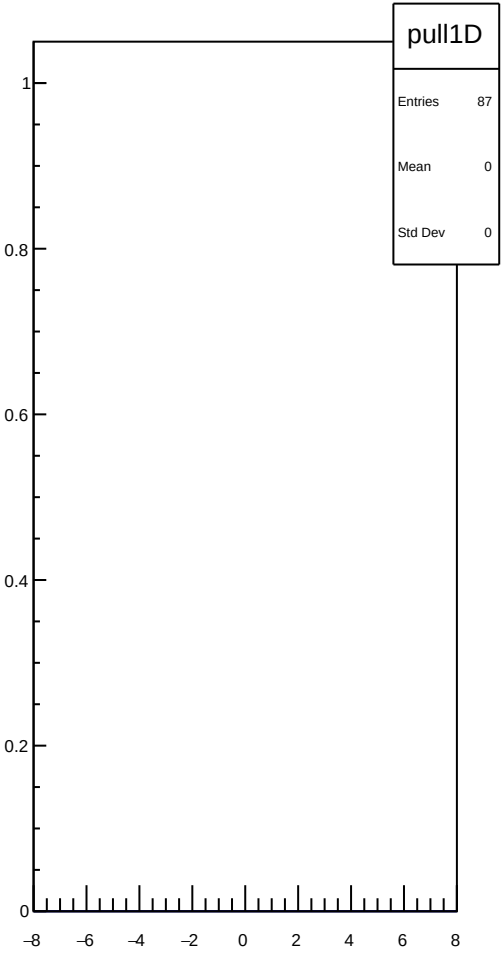
dit_4eX_coil3_err_mean vs run

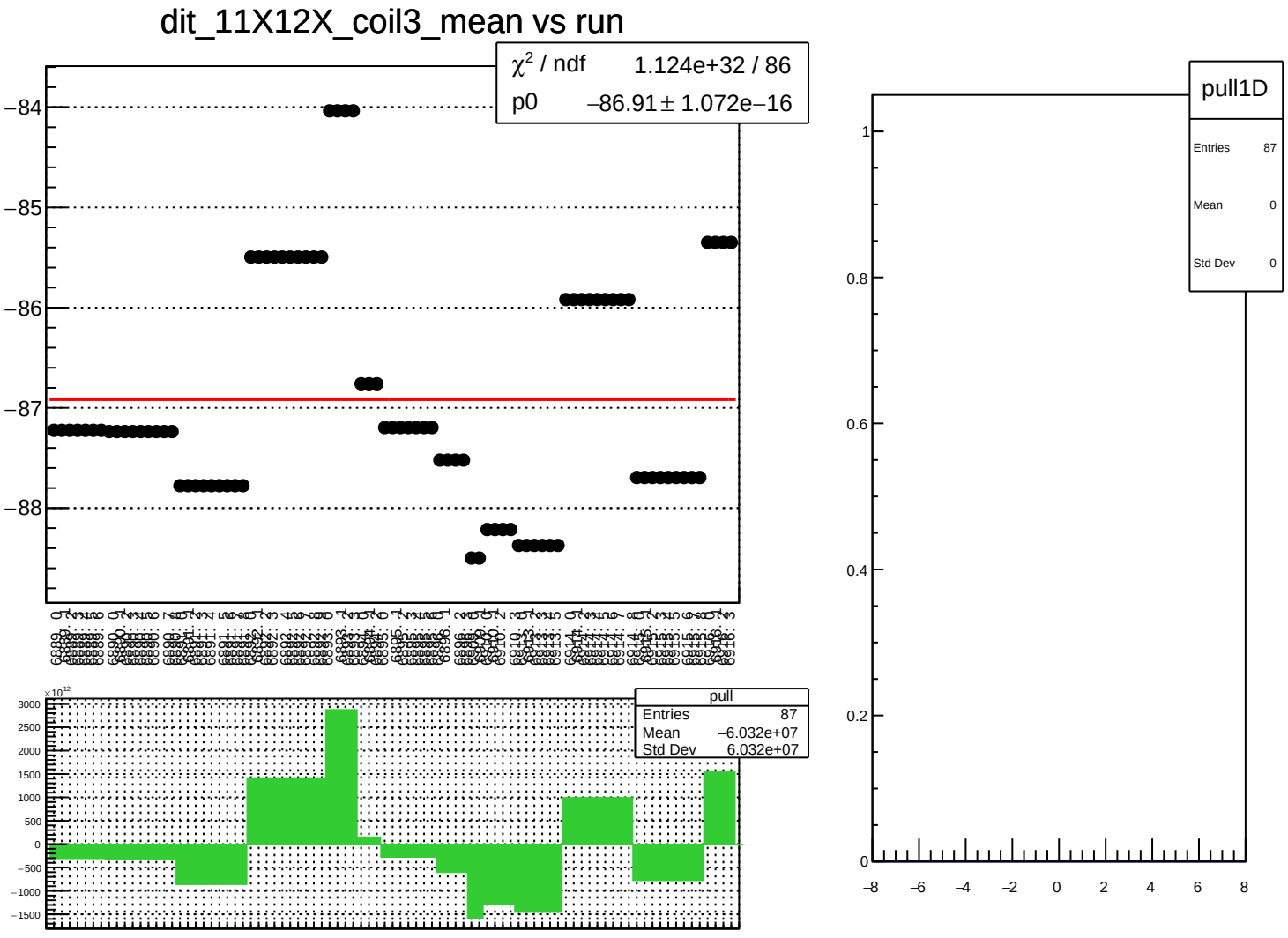


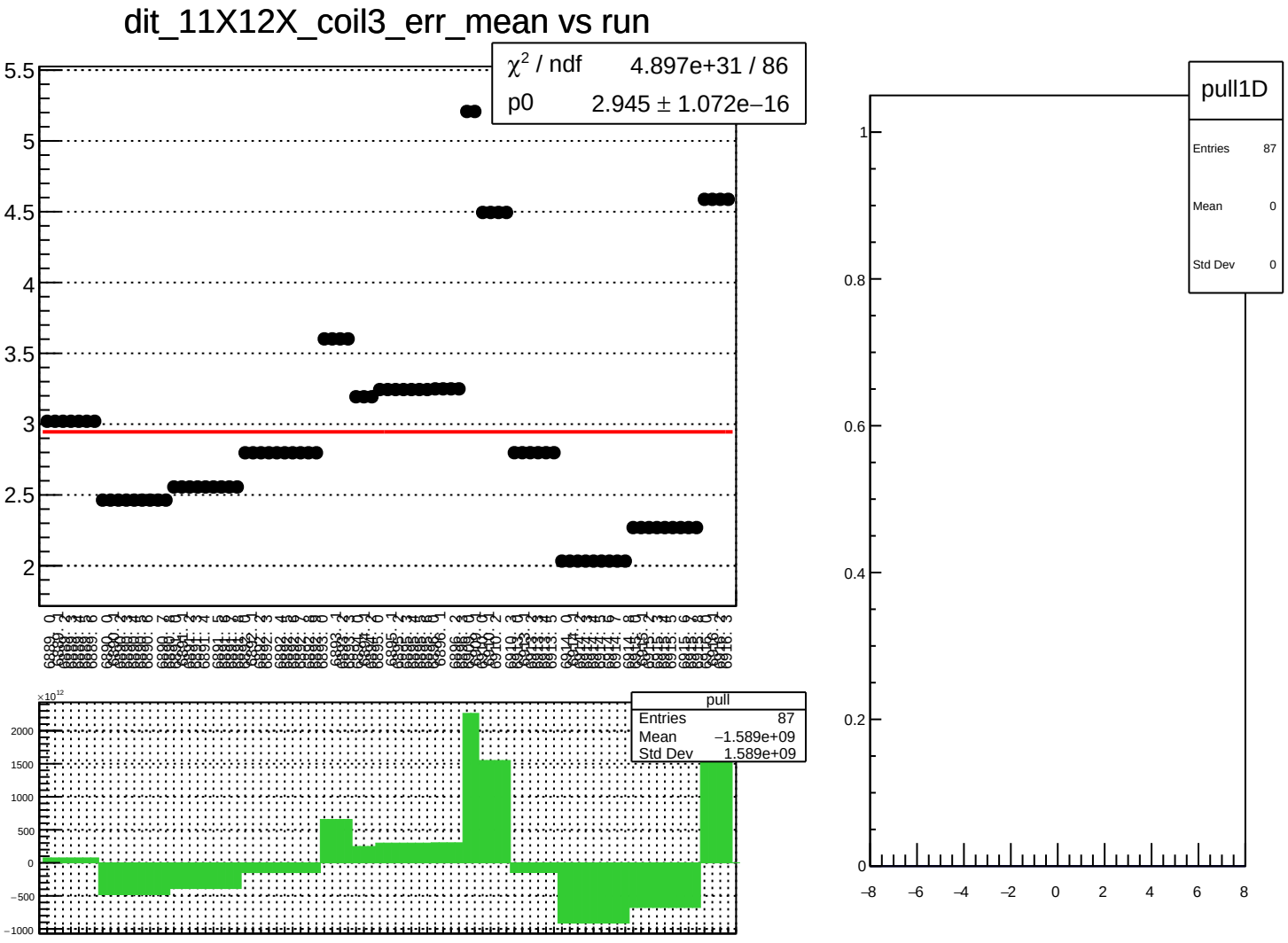


dit_4eX_coil3_Ndata_mean vs run

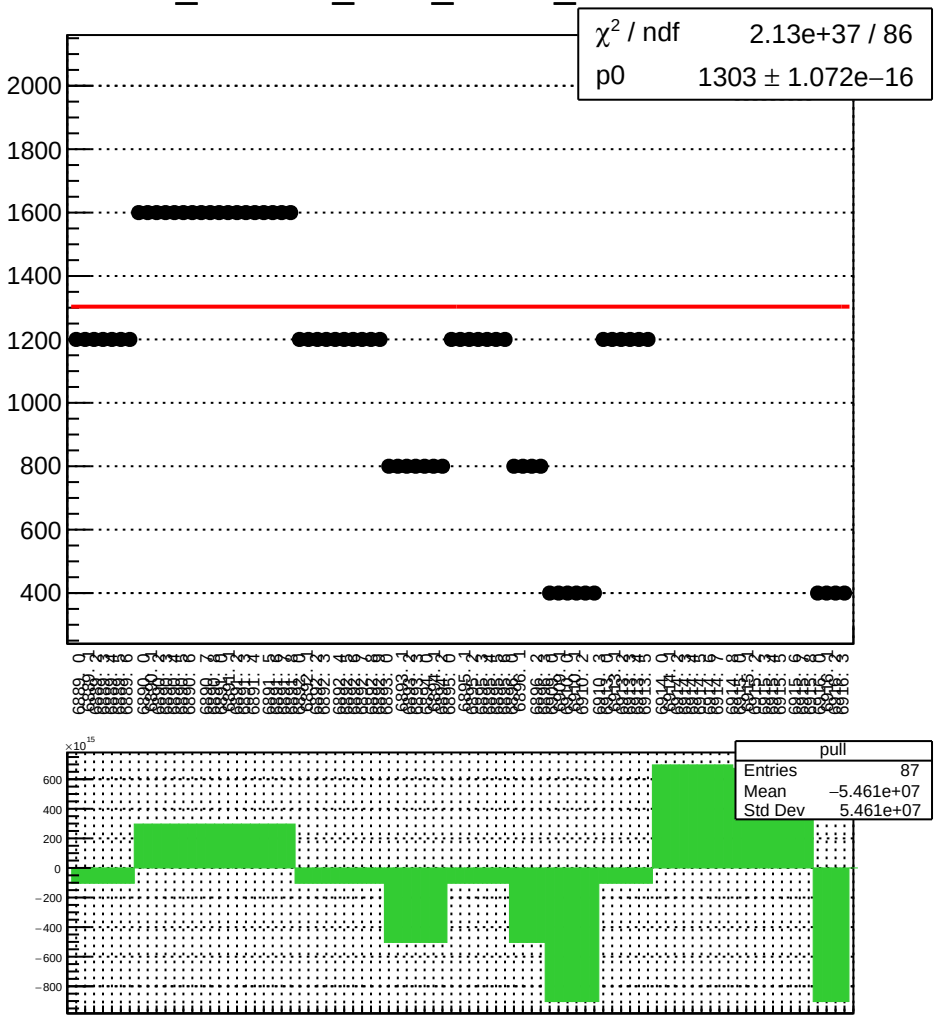


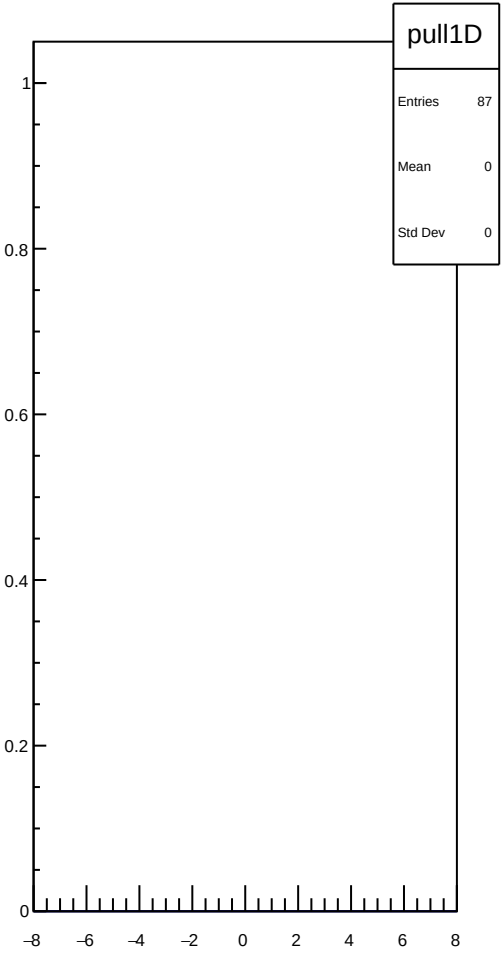


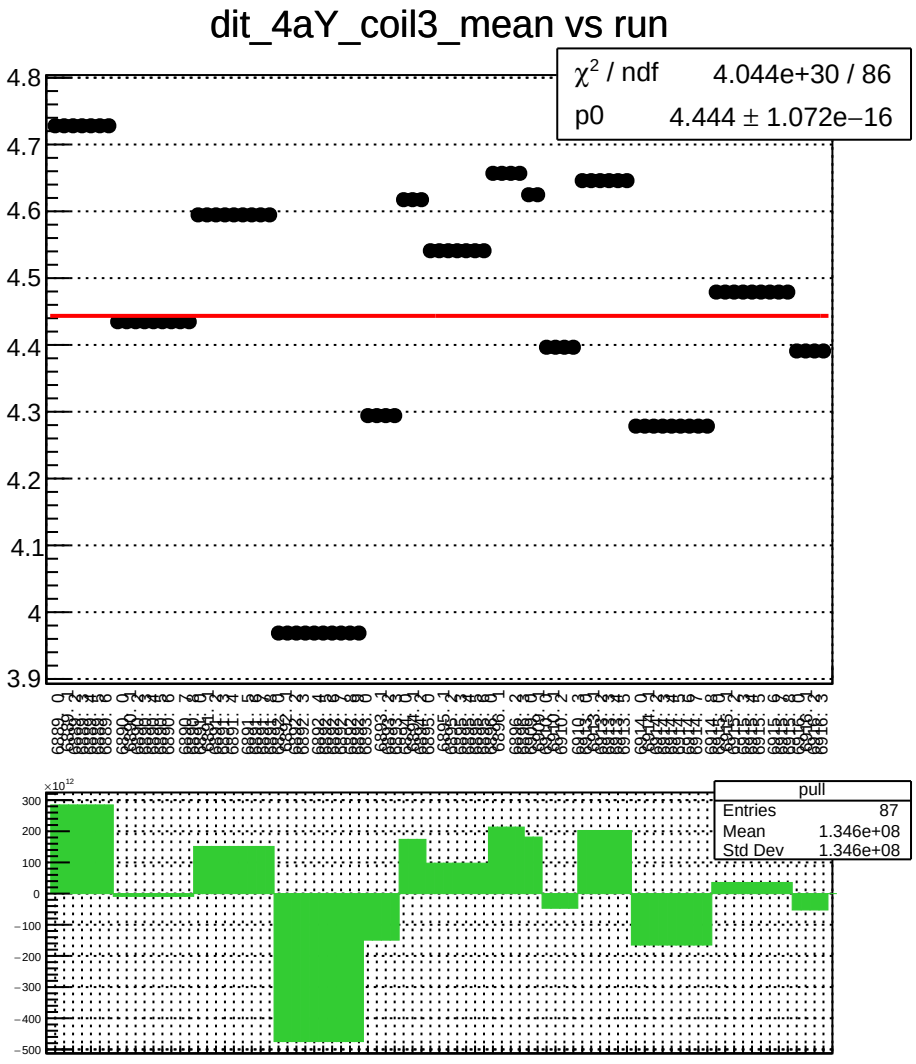

dit_11X12X_coil3_mean vs run
χ^2 / ndf 1.124e+32 / 86
p0 −86.91 ± 1.072e−16
−84
−85
−86
−87
−88
pull
Entries 87
Mean −6.032e+07
Std Dev 6.032e+07
×10^12
3000
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

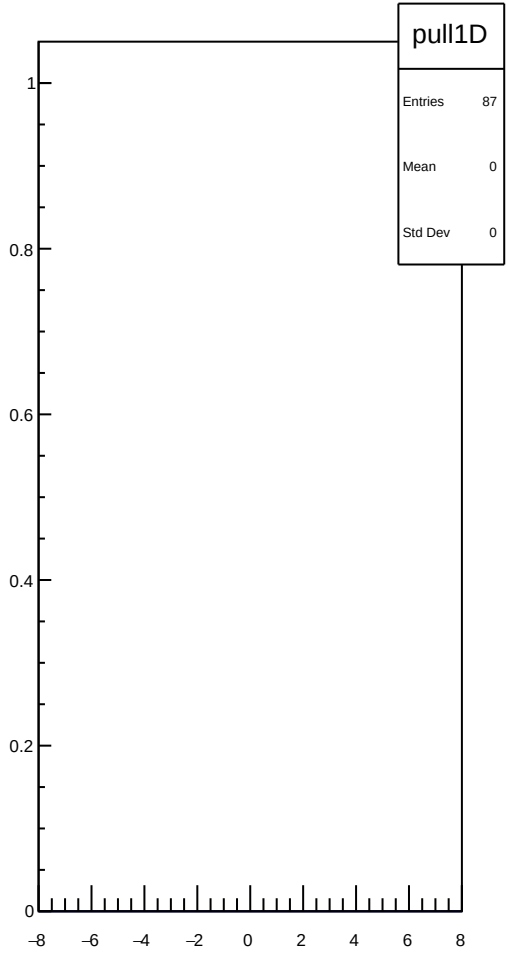

dit_11X12X_coil3_err_mean vs run
χ^2 / ndf 4.897e+31 / 86
p0 2.945 ± 1.072e−16
pull
Entries 87
Mean −1.589e+09
Std Dev 1.589e+09
pull1D
Entries 87
Mean 0
Std Dev 0

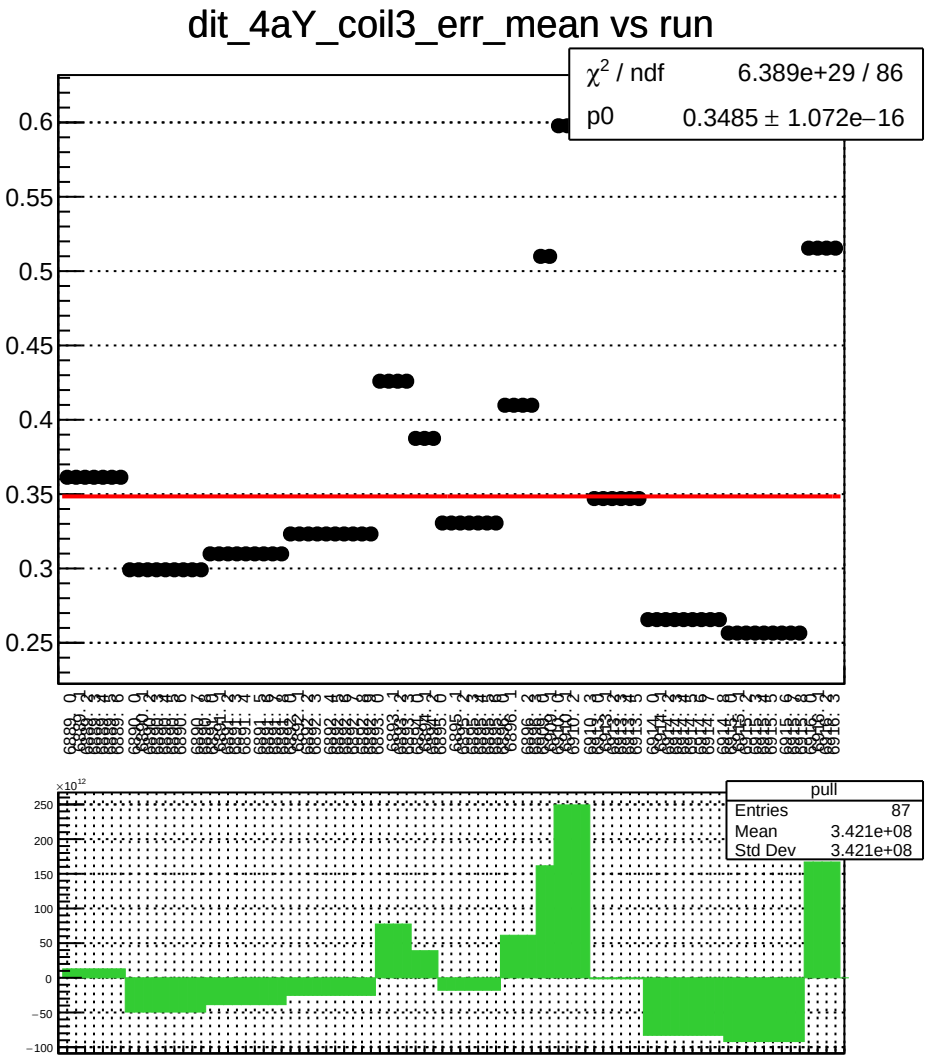
dit_11X12X_coil3_Ndata_mean vs run

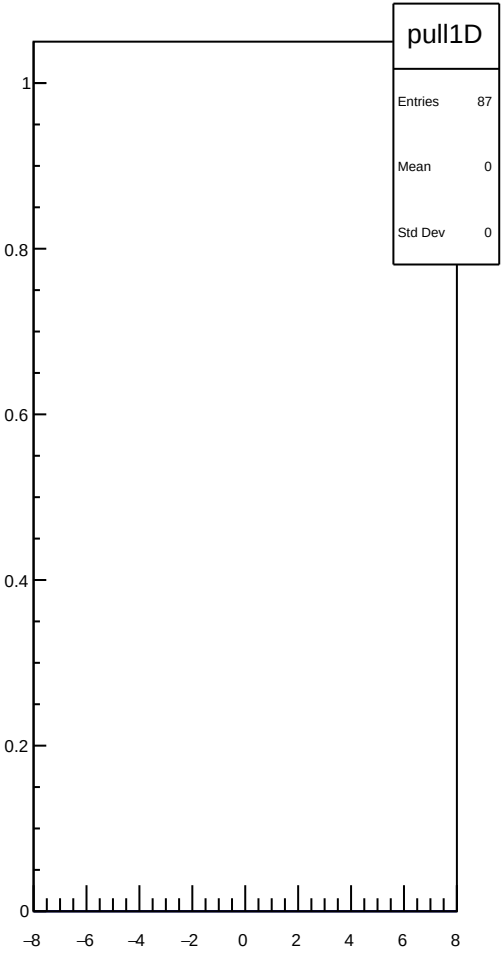




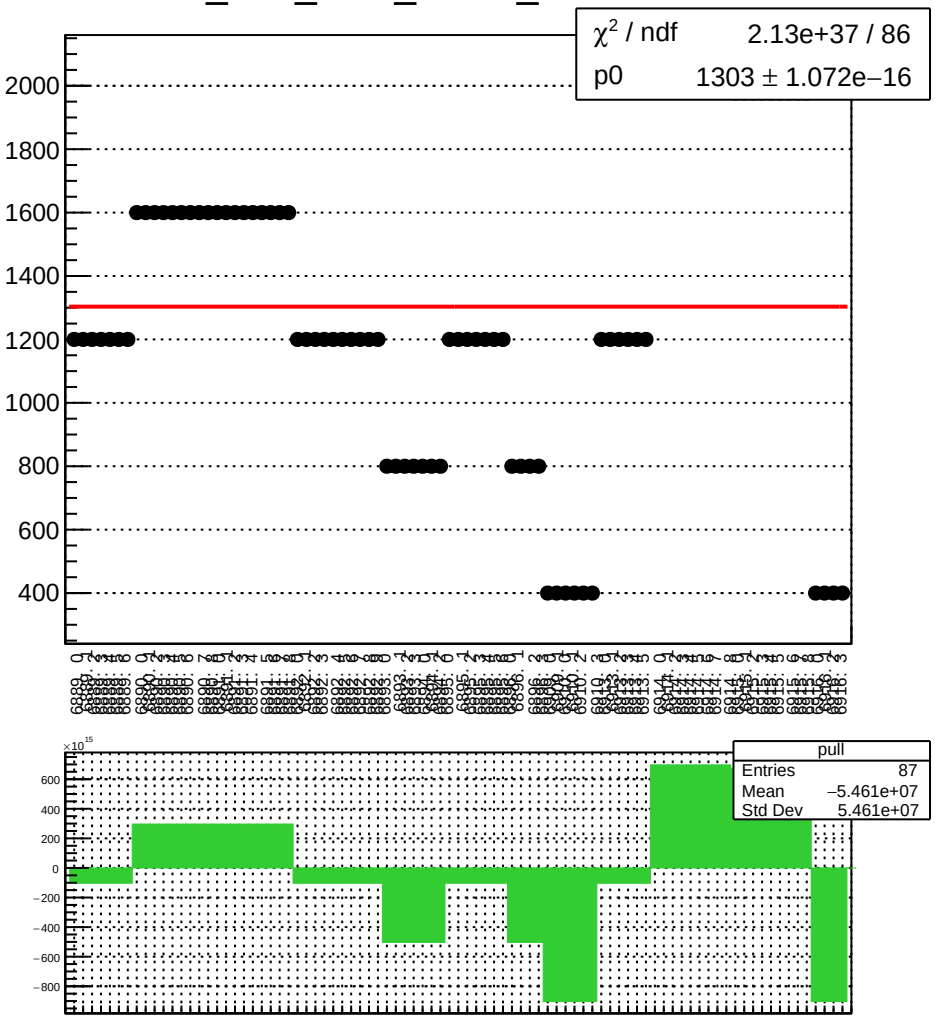

dit_4aY_coil3_mean vs run
χ^2 / ndf 4.044e+30 / 86
p0 4.444 ± 1.072e−16
pull
Entries 87
Mean 1.346e+08
Std Dev 1.346e+08

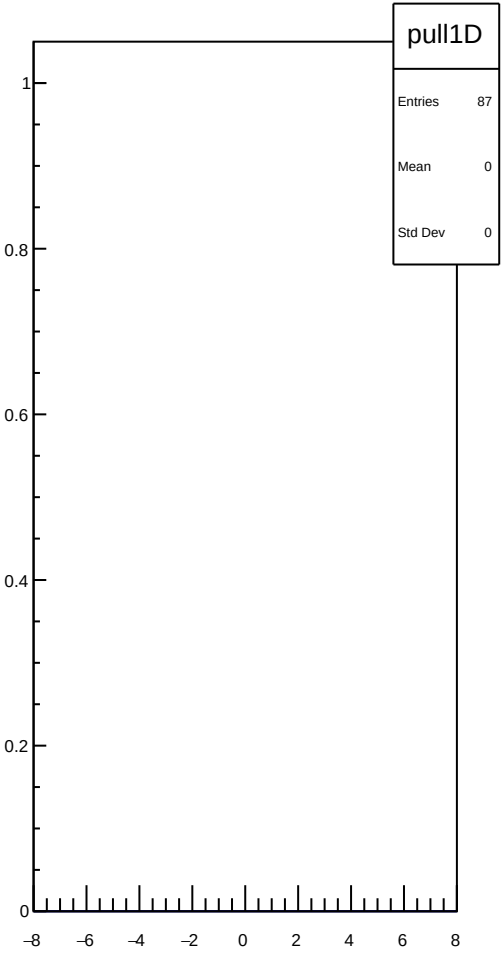

pull1D
Entries 87
Mean 0
Std Dev 0

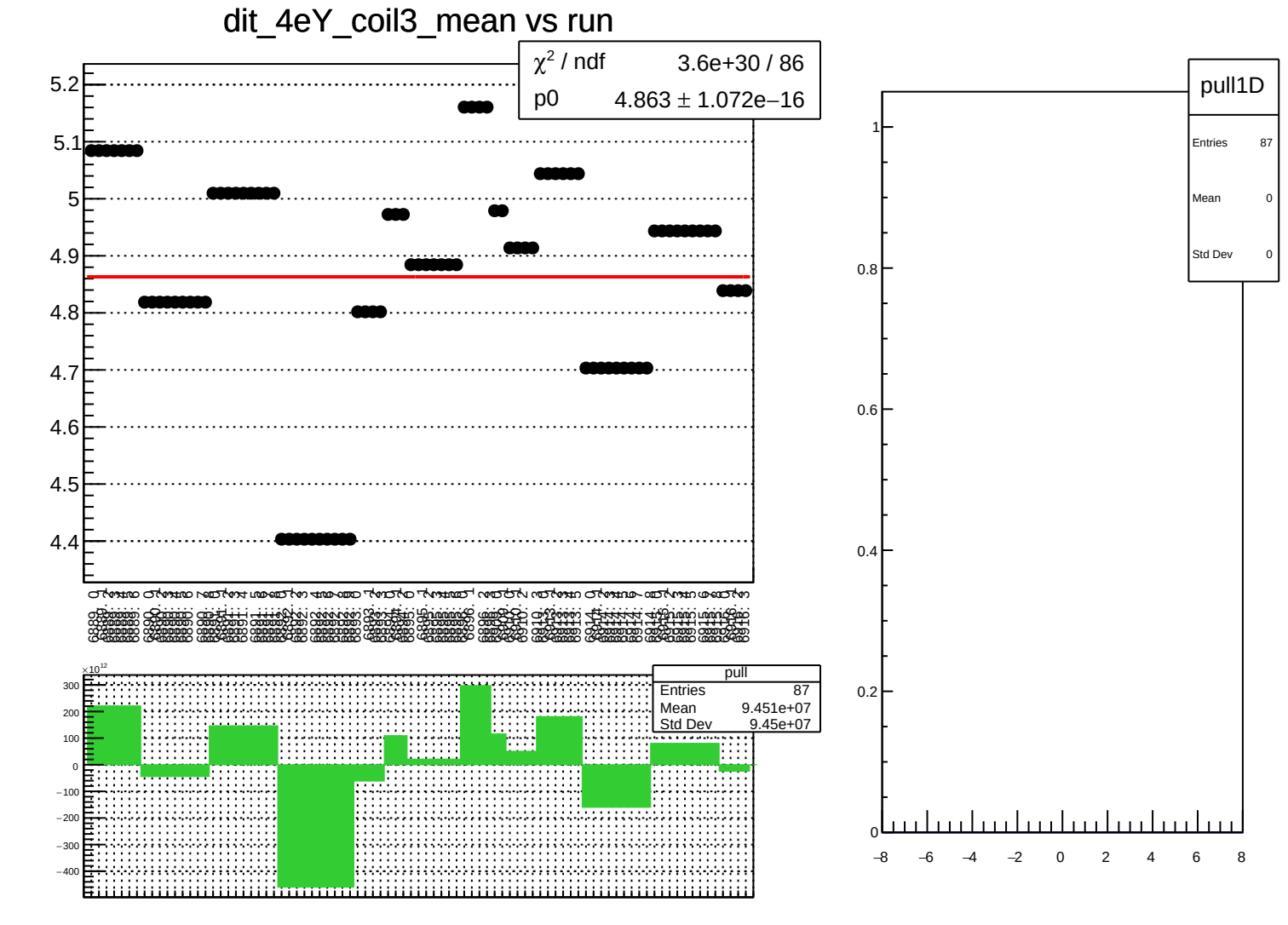

dit_4aY_coil3_err_mean vs run
χ^2 / ndf 6.389e+29 / 86
p0 0.3485 ± 1.072e−16
pull
Entries 87
Mean 3.421e+08
Std Dev 3.421e+08

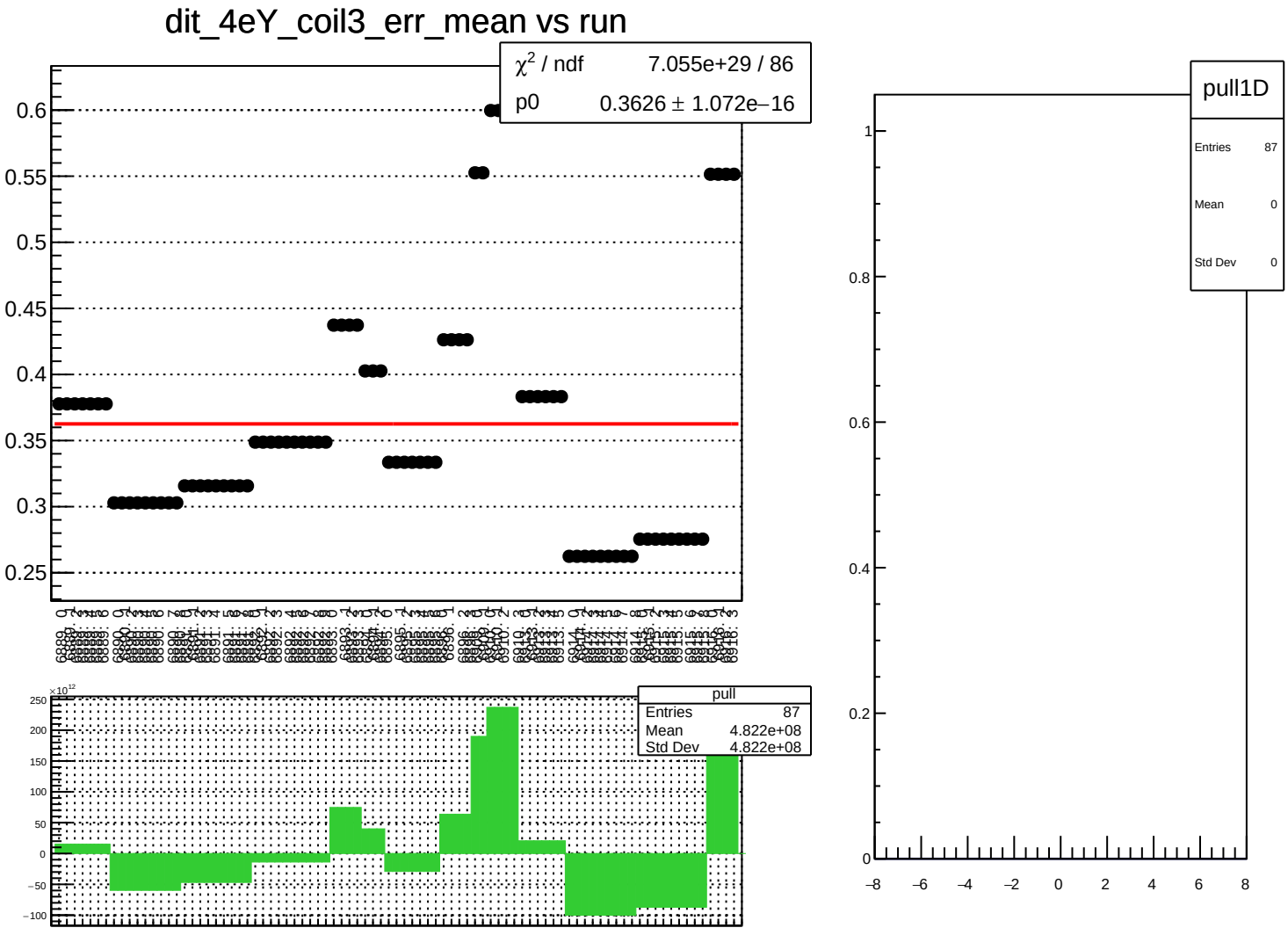

pull1D
Entries 87
Mean 0
Std Dev 0

dit_4aY_coil3_Ndata_mean vs run

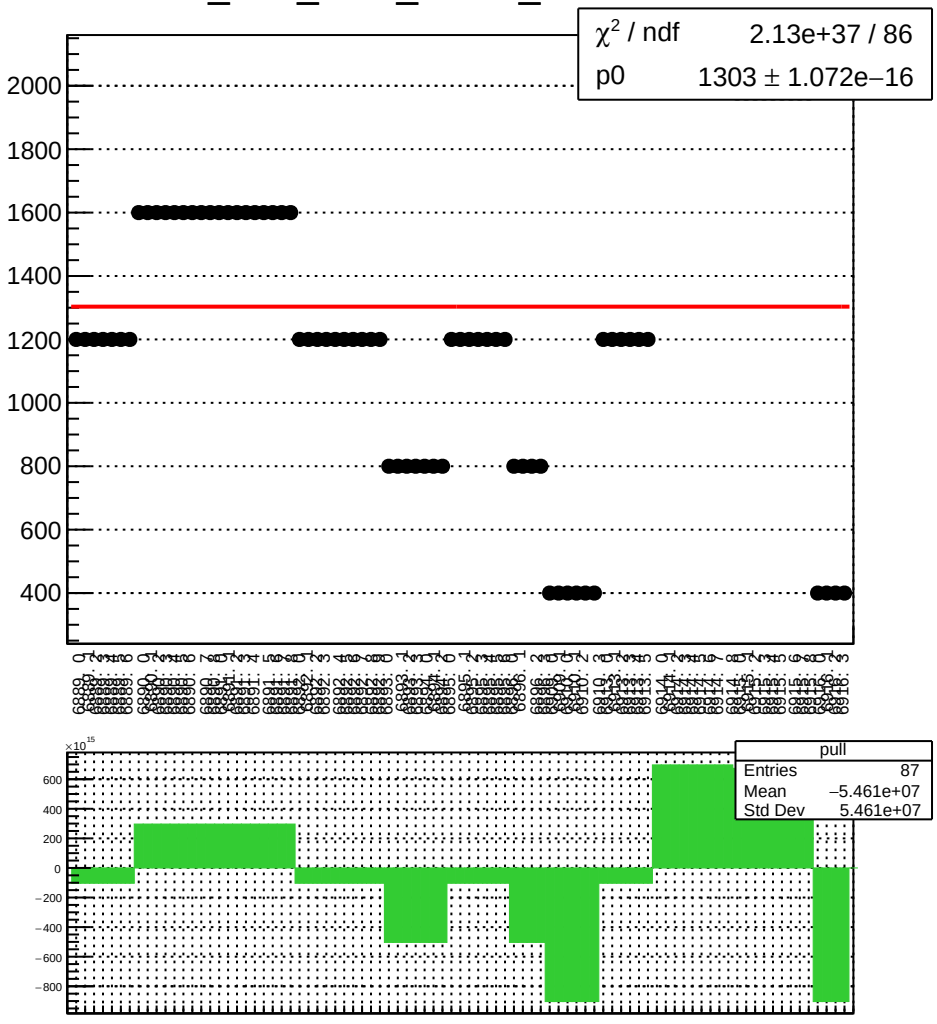


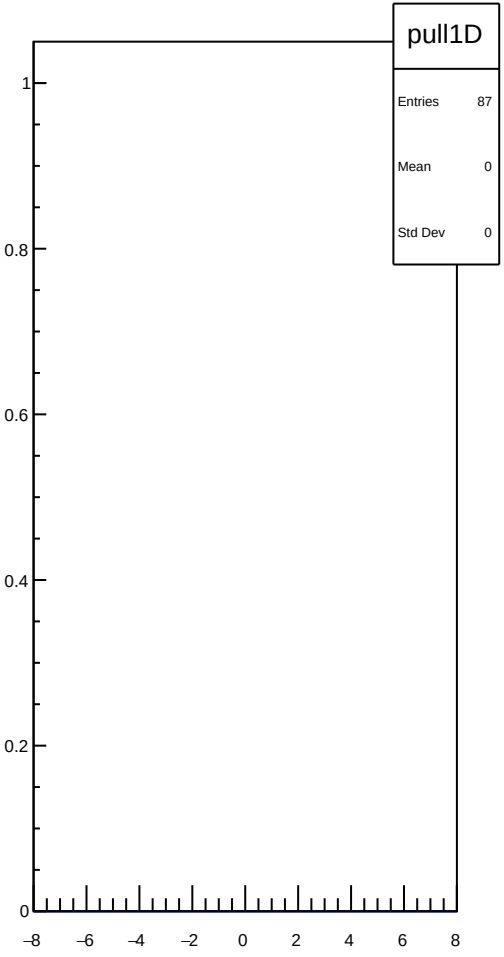


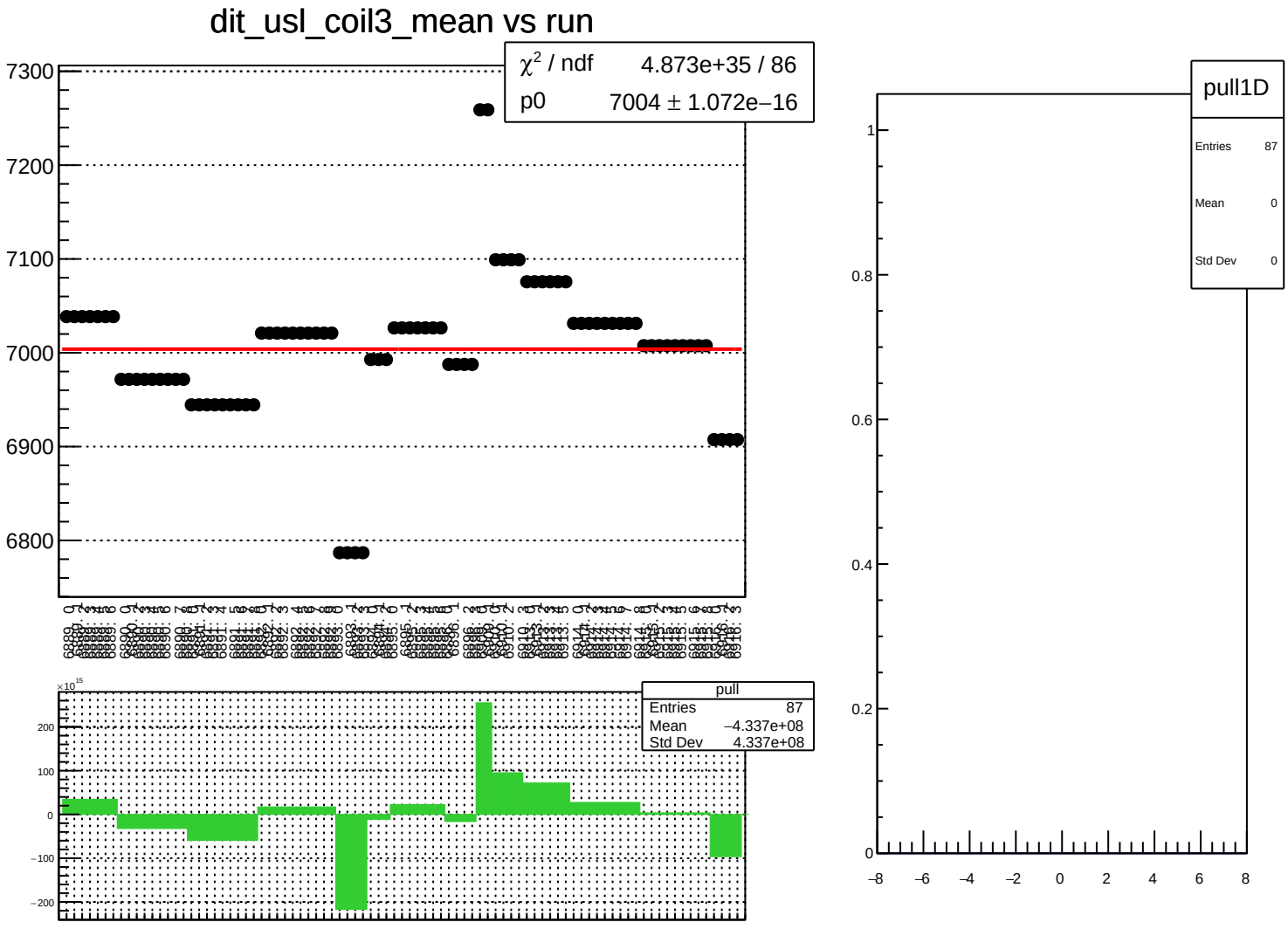

dit_4eY_coil3_mean vs run
χ² / ndf 3.6e+30 / 86
p0 4.863 ± 1.072e−16
pull
Entries 87
Mean 9.451e+07
Std Dev 9.45e+07
pull1D
Entries 87
Mean 0
Std Dev 0

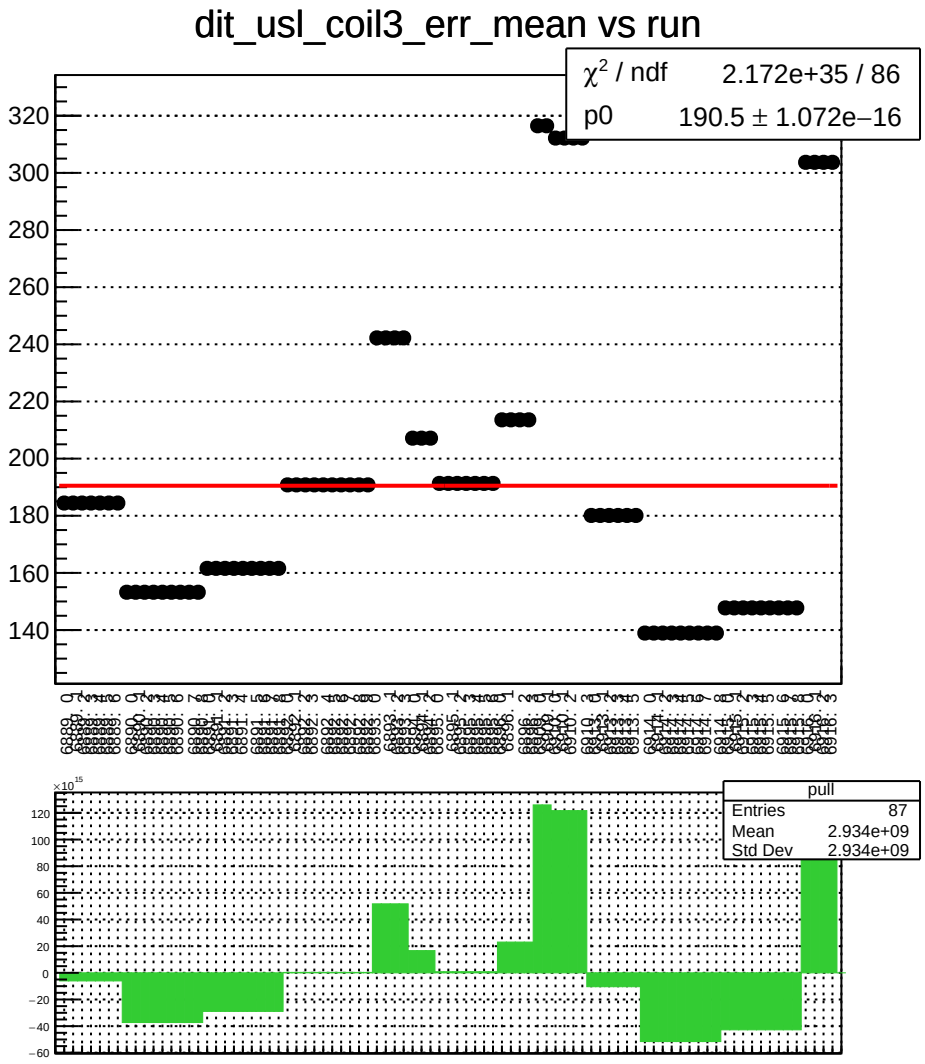

dit_4eY_coil3_err_mean vs run
χ^2 / ndf 7.055e+29 / 86
p0 0.3626 ± 1.072e−16
pull
Entries 87
Mean 4.822e+08
Std Dev 4.822e+08
pull1D
Entries 87
Mean 0
Std Dev 0

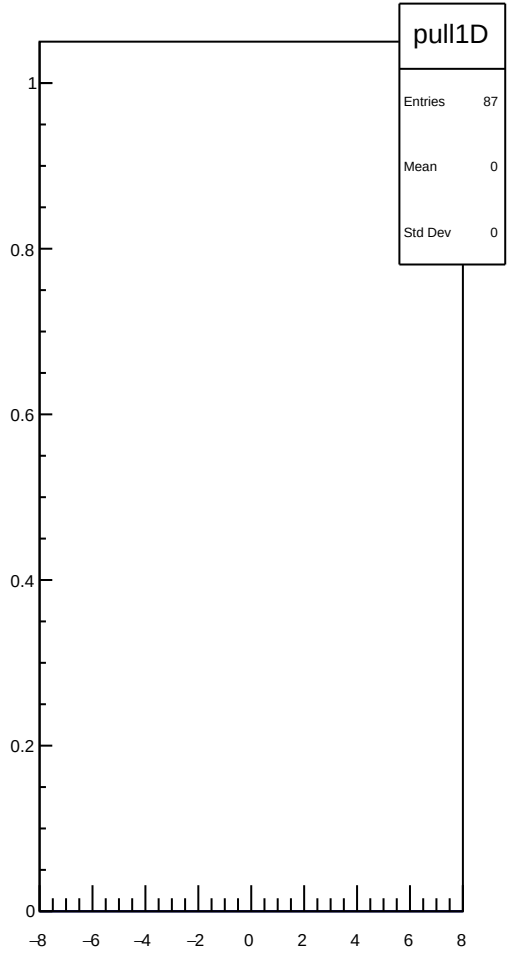
dit_4eY_coil3_Ndata_mean vs run



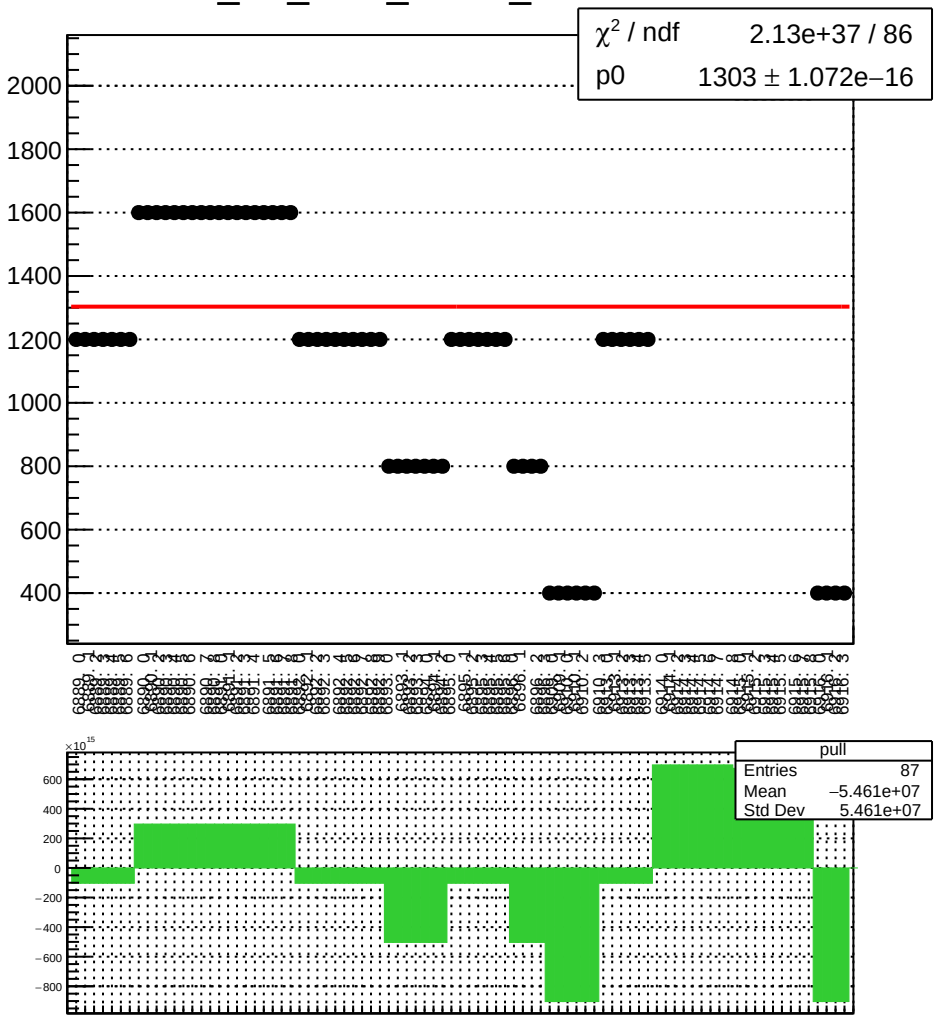


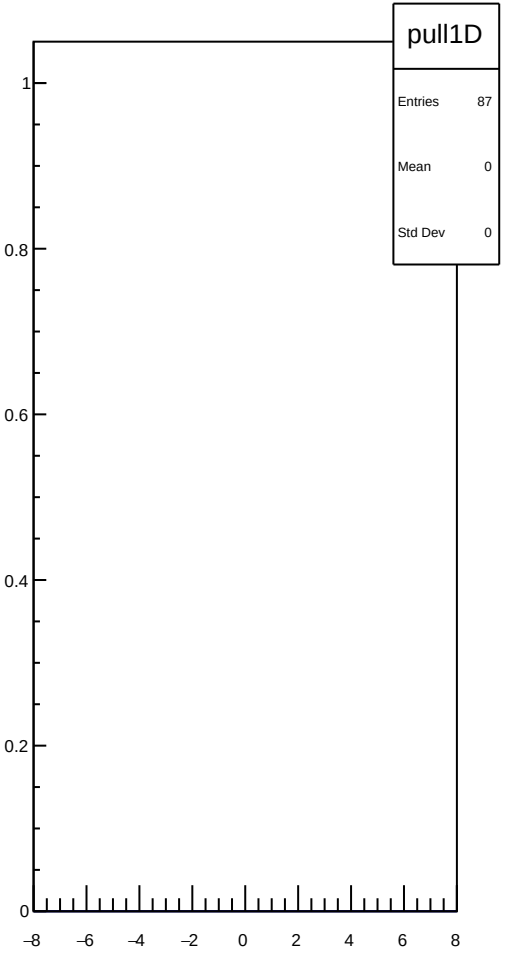

dit_usl_coil3_mean vs run
χ² / ndf 4.873e+35 / 86
p0 7004 ± 1.072e−16
7300
7200
7100
7000
6900
6800
pull
Entries 87
Mean −4.337e+08
Std Dev 4.337e+08
×10¹⁵
200
100
0
−100
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

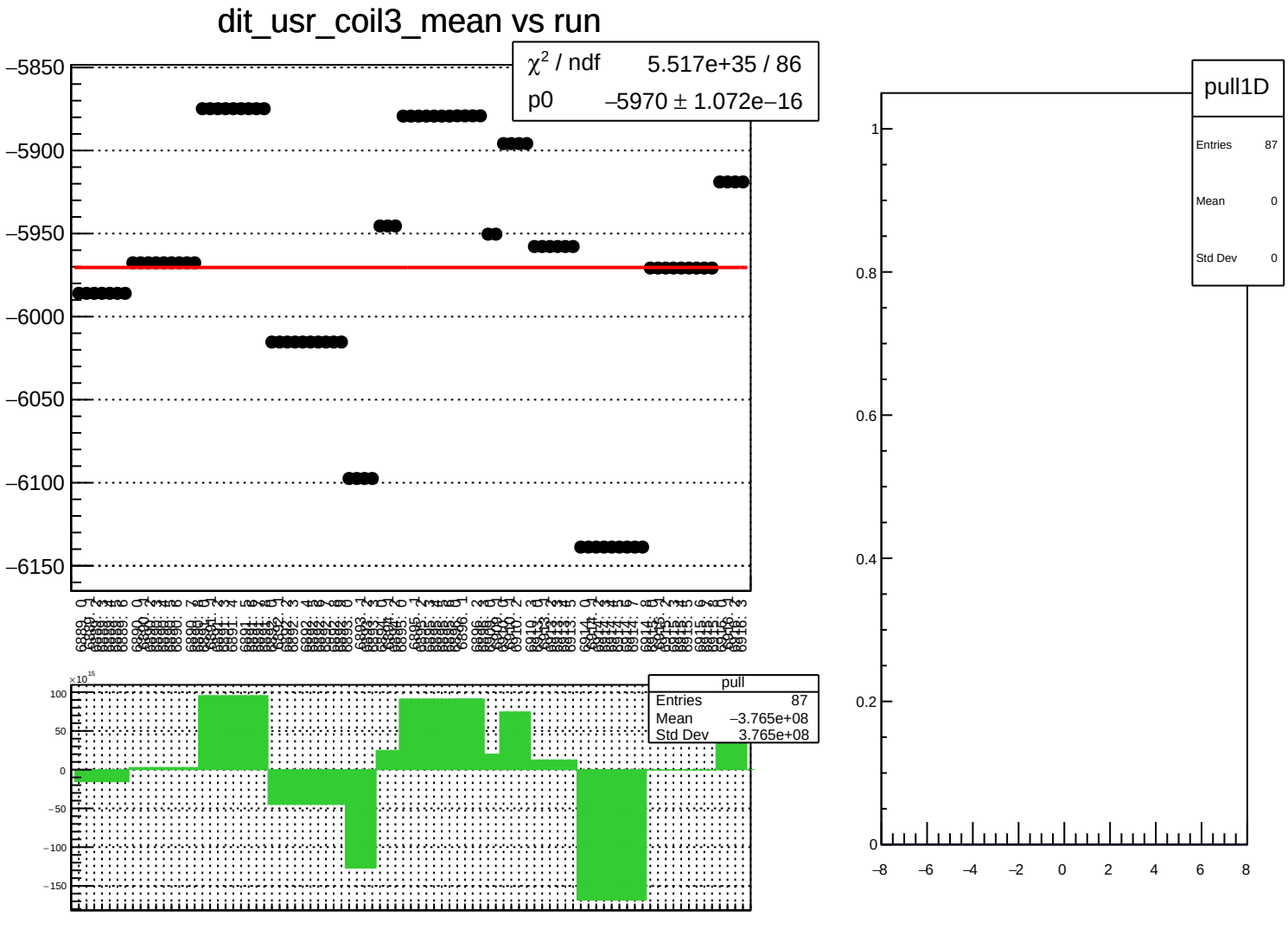

dit_usl_coil3_err_mean vs run
χ² / ndf 2.172e+35 / 86
p0 190.5 ± 1.072e−16
pull
Entries 87
Mean 2.934e+09
Std Dev 2.934e+09

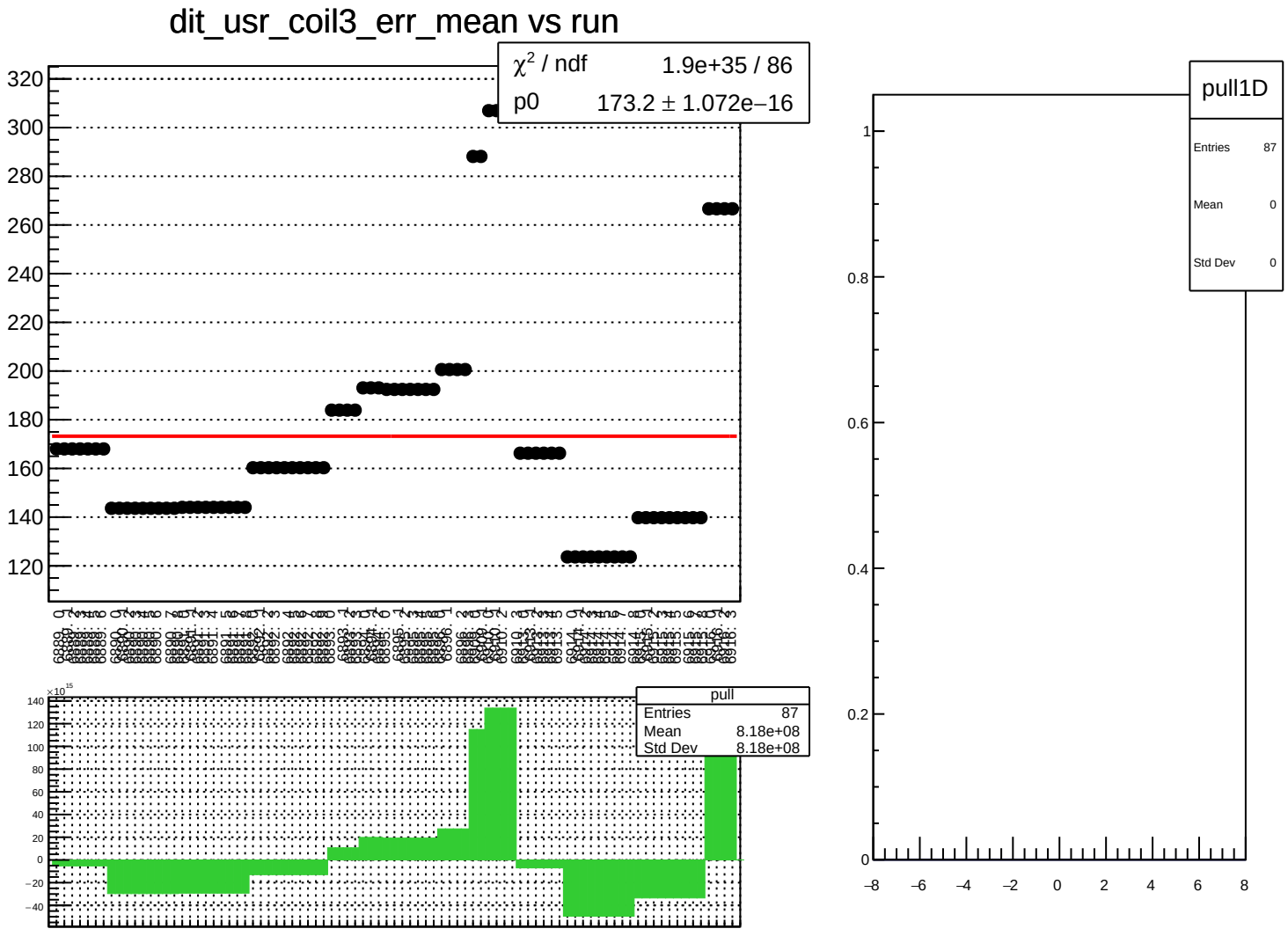

pull1D
Entries 87
Mean 0
Std Dev 0

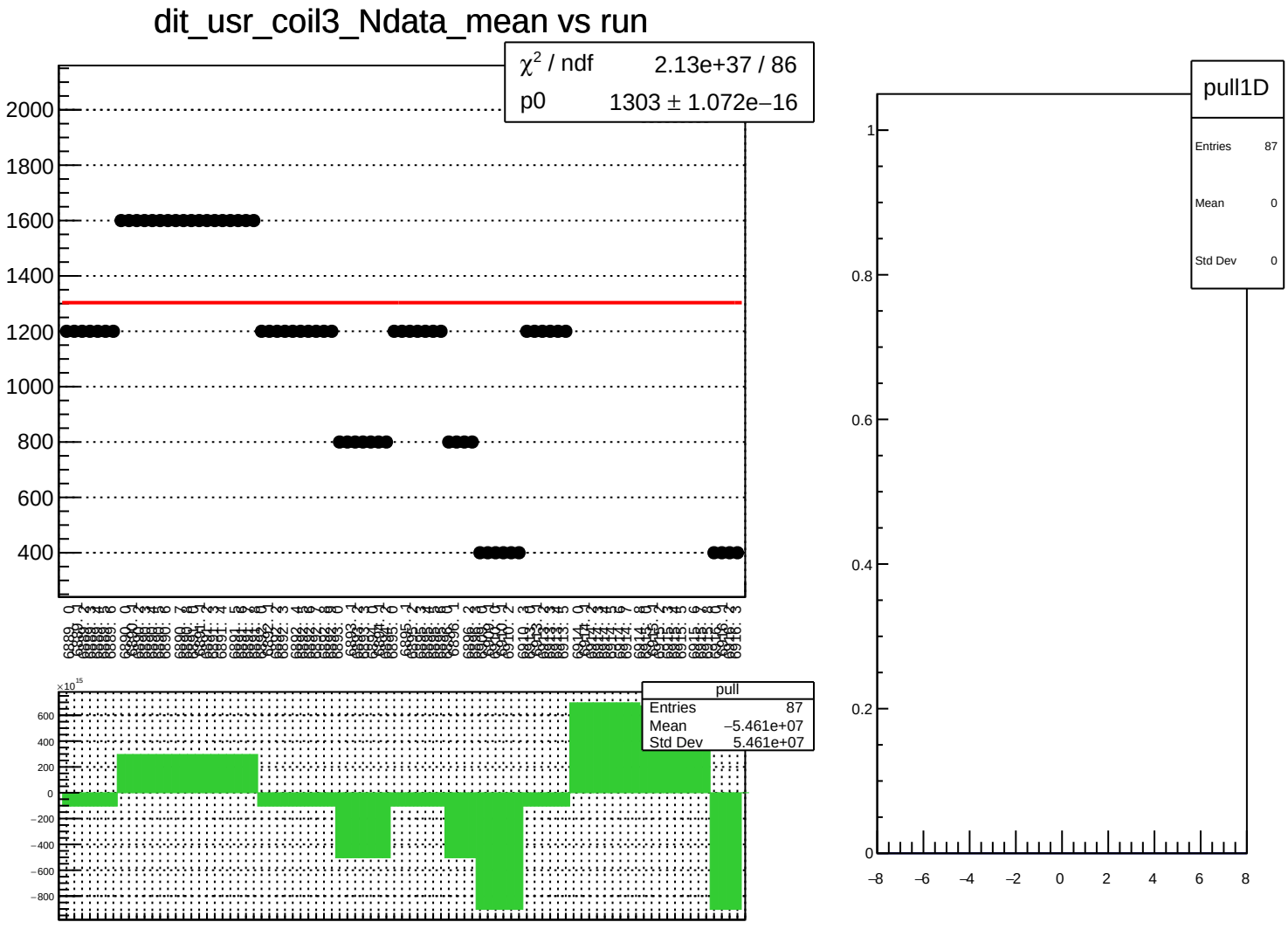
dit_usl_coil3_Ndata_mean vs run

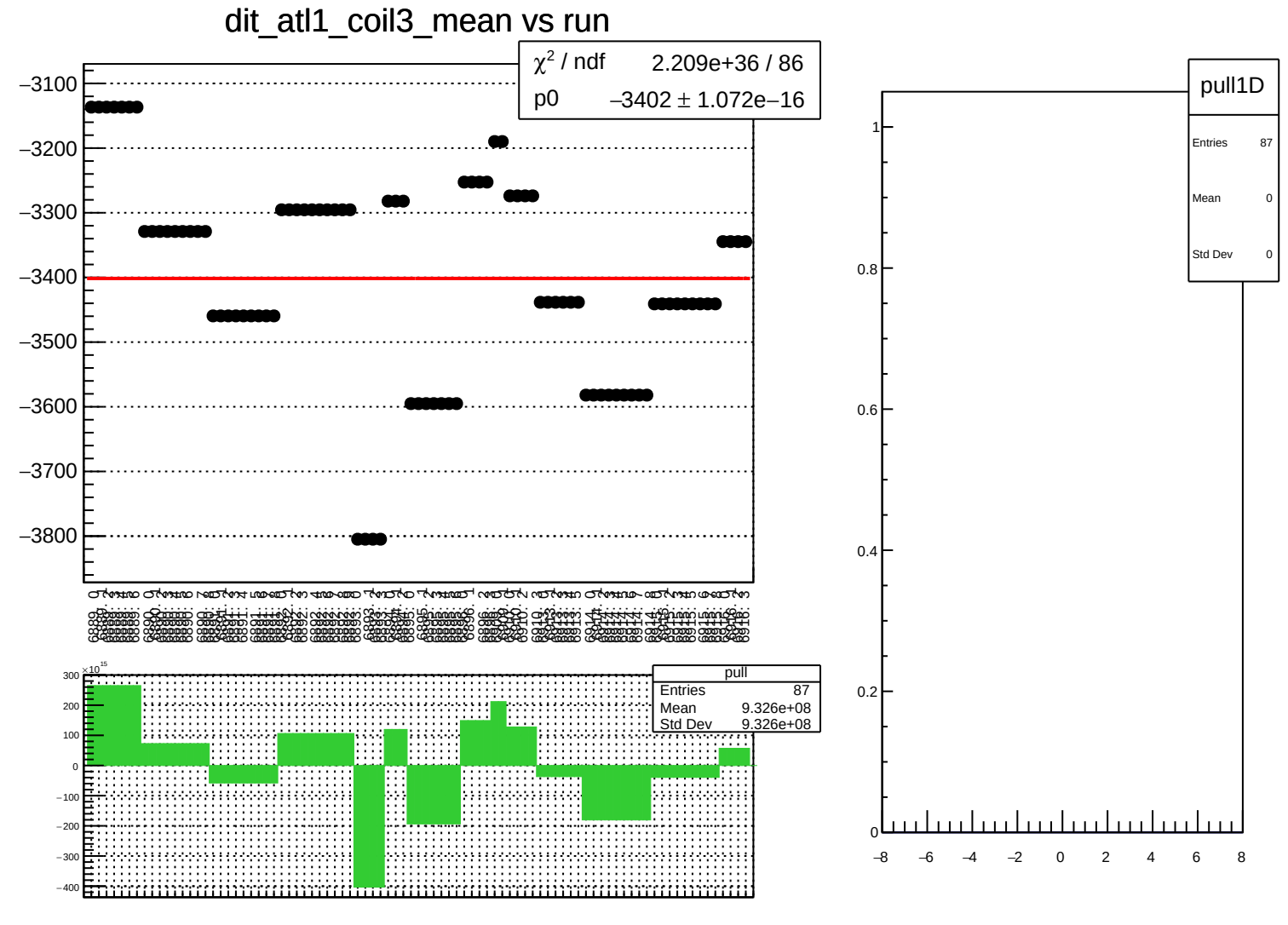


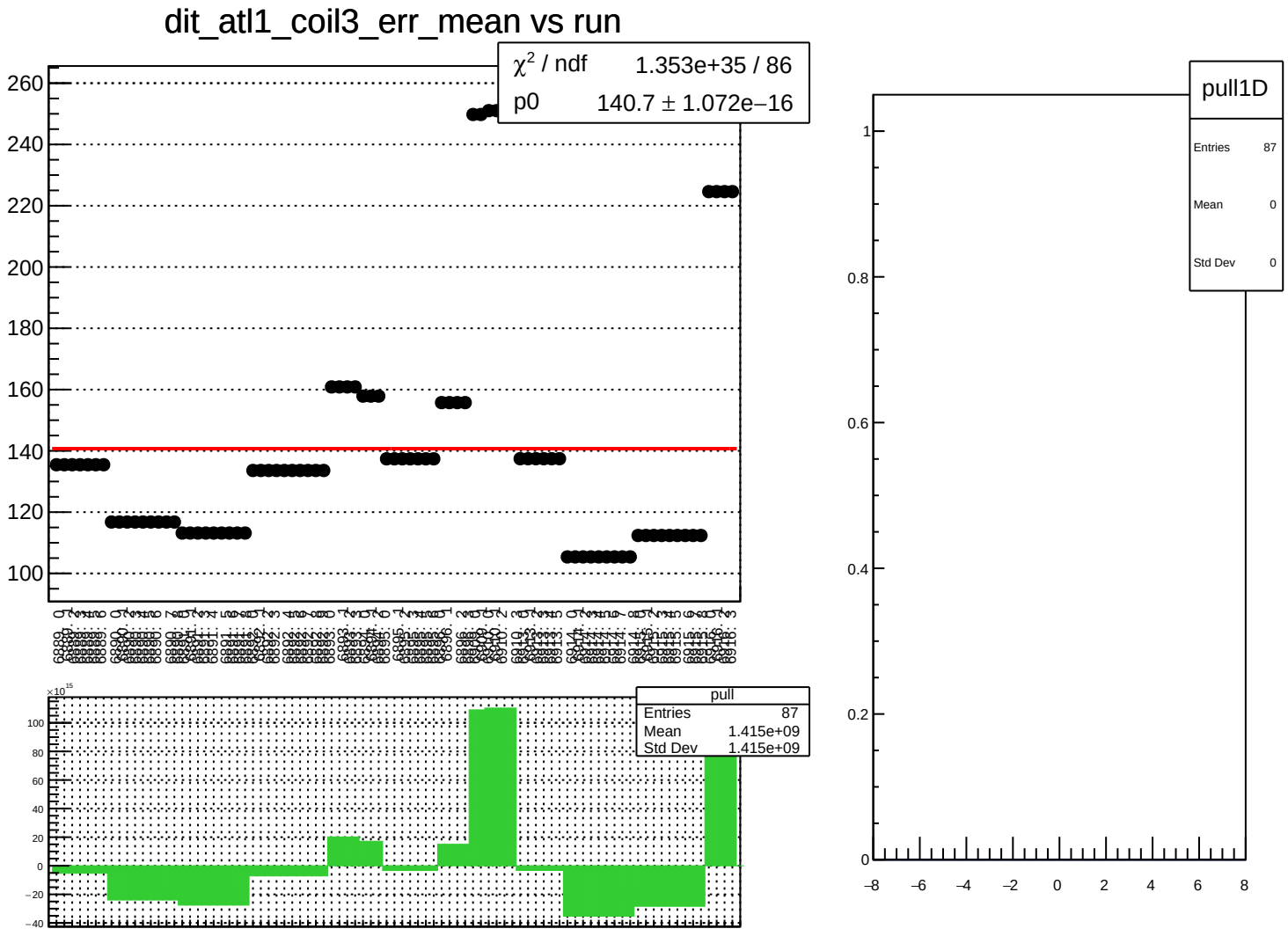



dit_usr_coil3_mean vs run
χ^2 / ndf 5.517e+35 / 86
p0 −5970 ± 1.072e−16
−5850
−5900
−5950
−6000
−6050
−6100
−6150
pull
Entries 87
Mean −3.765e+08
Std Dev 3.765e+08
×10^15
100
50
0
−50
−100
−150
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

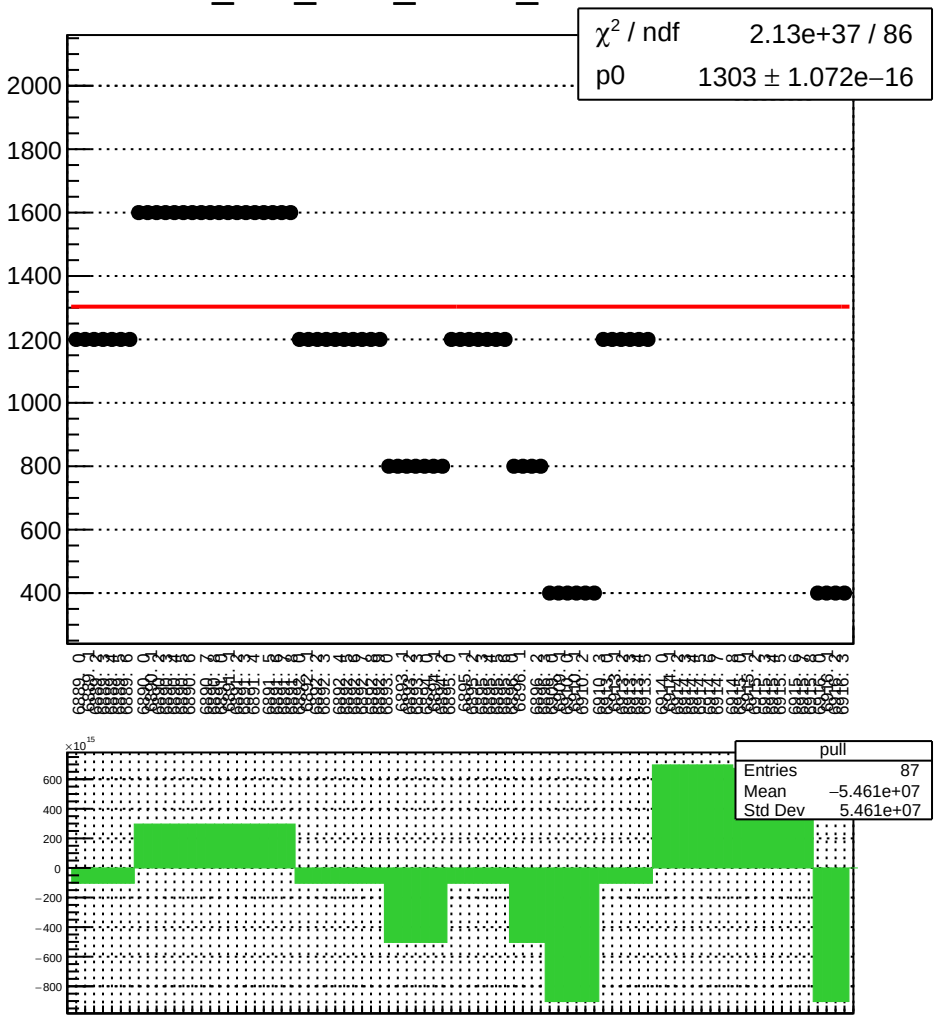

dit_usr_coil3_err_mean vs run
χ² / ndf 1.9e+35 / 86
p0 173.2 ± 1.072e−16
pull
Entries 87
Mean 8.18e+08
Std Dev 8.18e+08
pull1D
Entries 87
Mean 0
Std Dev 0

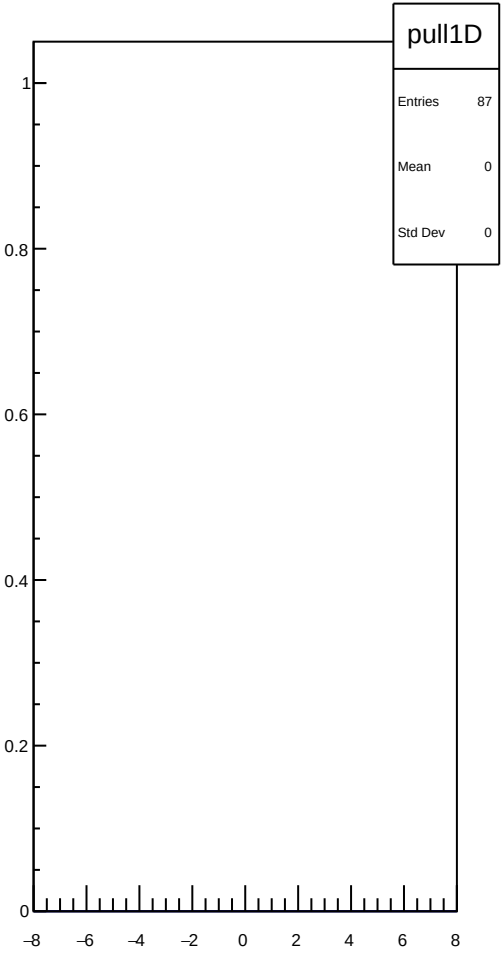

dit_usr_coil3_Ndata_mean vs run
χ^2 / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

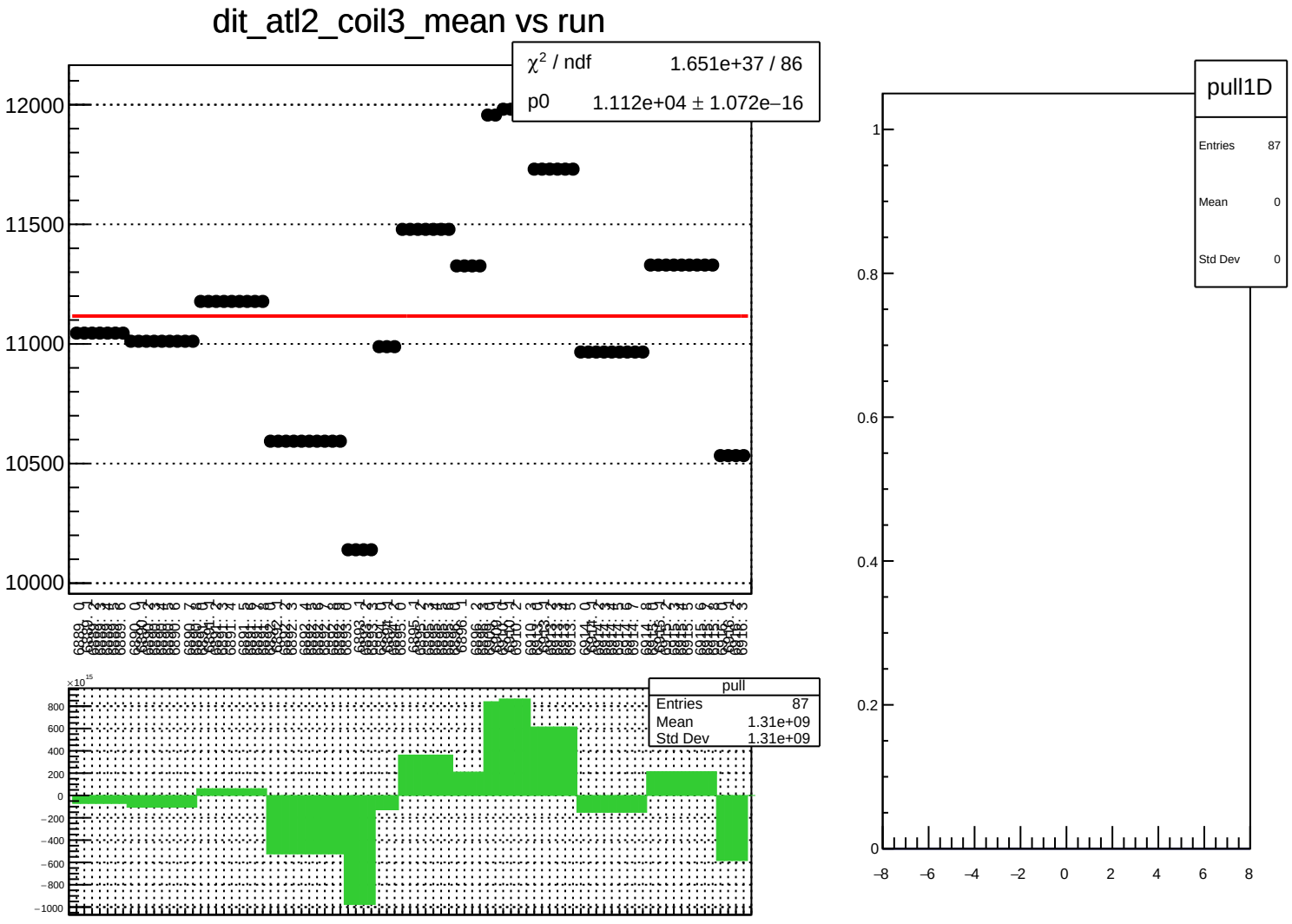

dit_atl1_coil3_mean vs run
χ² / ndf 2.209e+36 / 86
p0 −3402 ± 1.072e−16
−3100
−3200
−3300
−3400
−3500
−3600
−3700
−3800
pull
Entries 87
Mean 9.326e+08
Std Dev 9.326e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

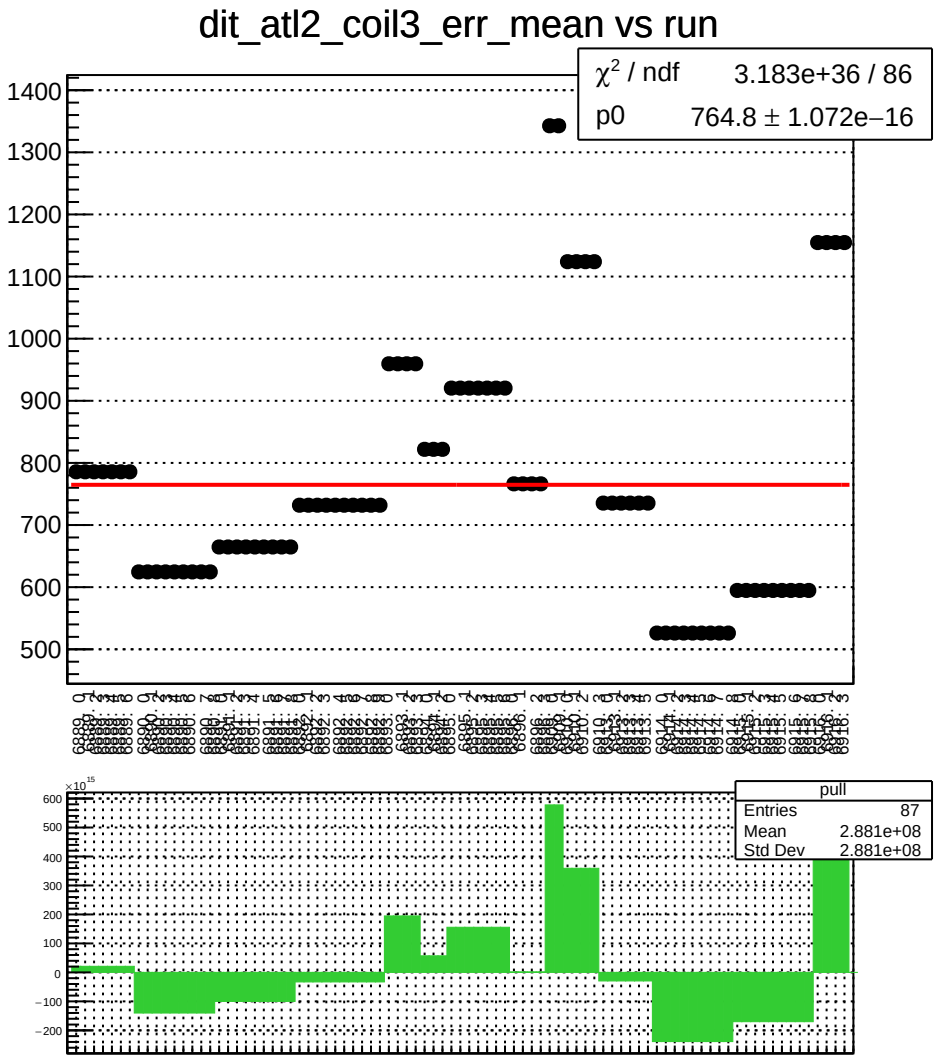

dit_atl1_coil3_err_mean vs run
χ^2 / ndf 1.353e+35 / 86
p0 140.7 ± 1.072e−16
pull
Entries 87
Mean 1.415e+09
Std Dev 1.415e+09
pull1D
Entries 87
Mean 0
Std Dev 0

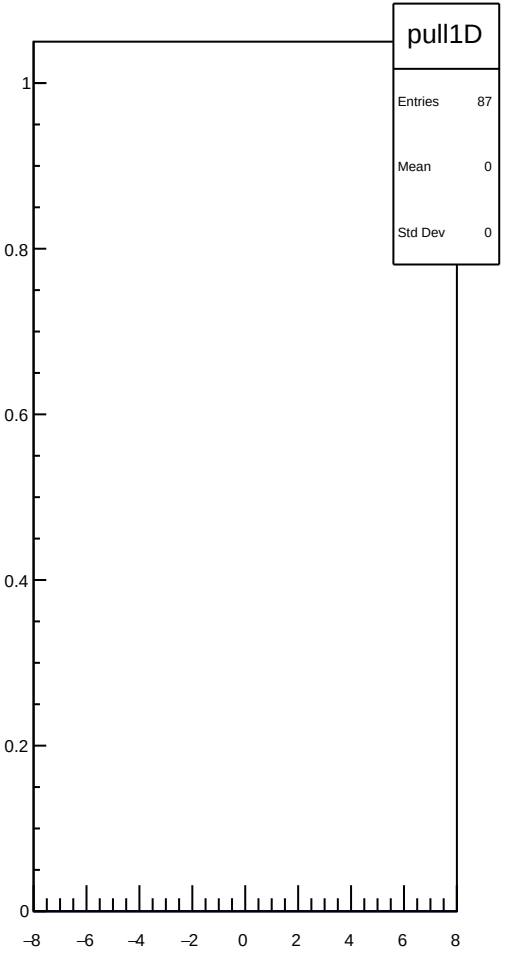
dit_atl1_coil3_Ndata_mean vs run



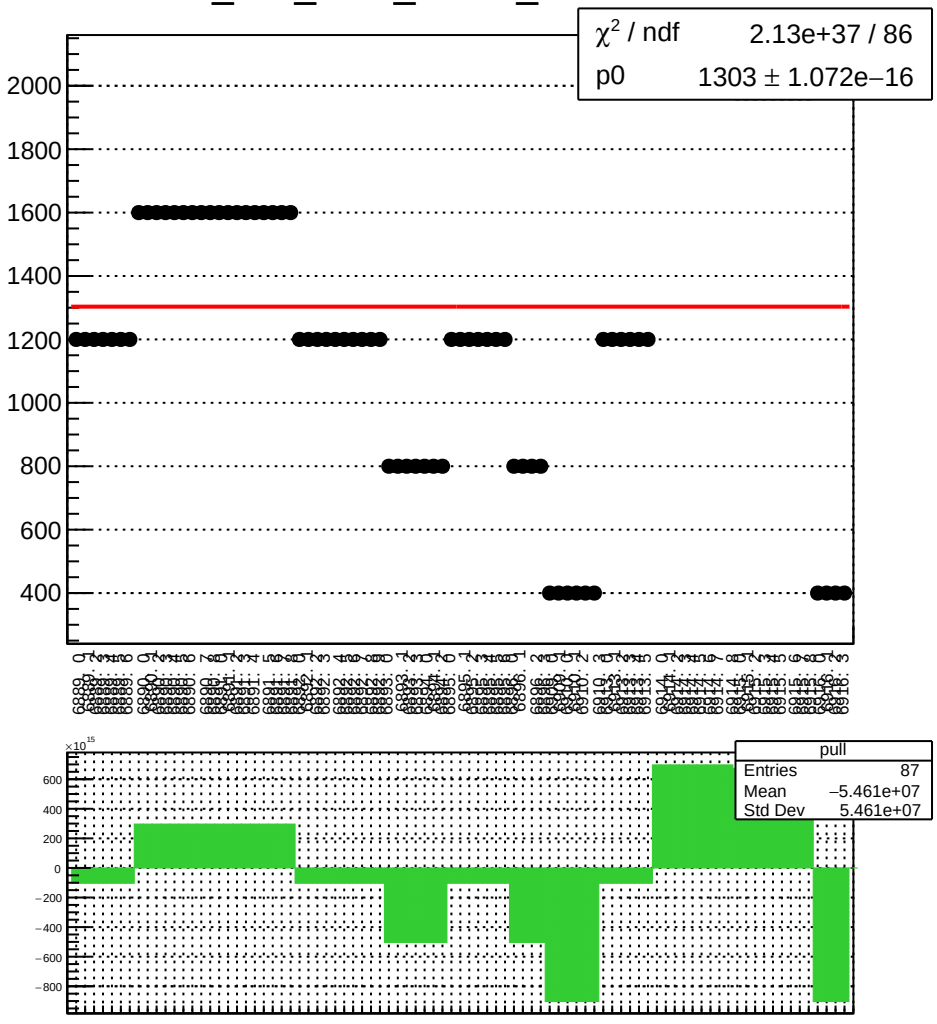


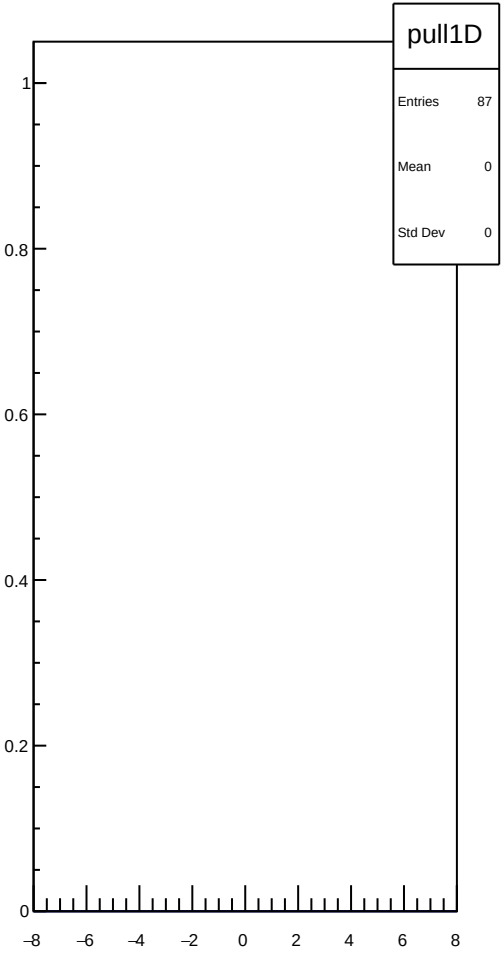

dit_atl2_coil3_mean vs run
χ² / ndf 1.651e+37 / 86
p0 1.112e+04 ± 1.072e−16
12000
11500
11000
10500
10000
pull
Entries 87
Mean 1.31e+09
Std Dev 1.31e+09
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

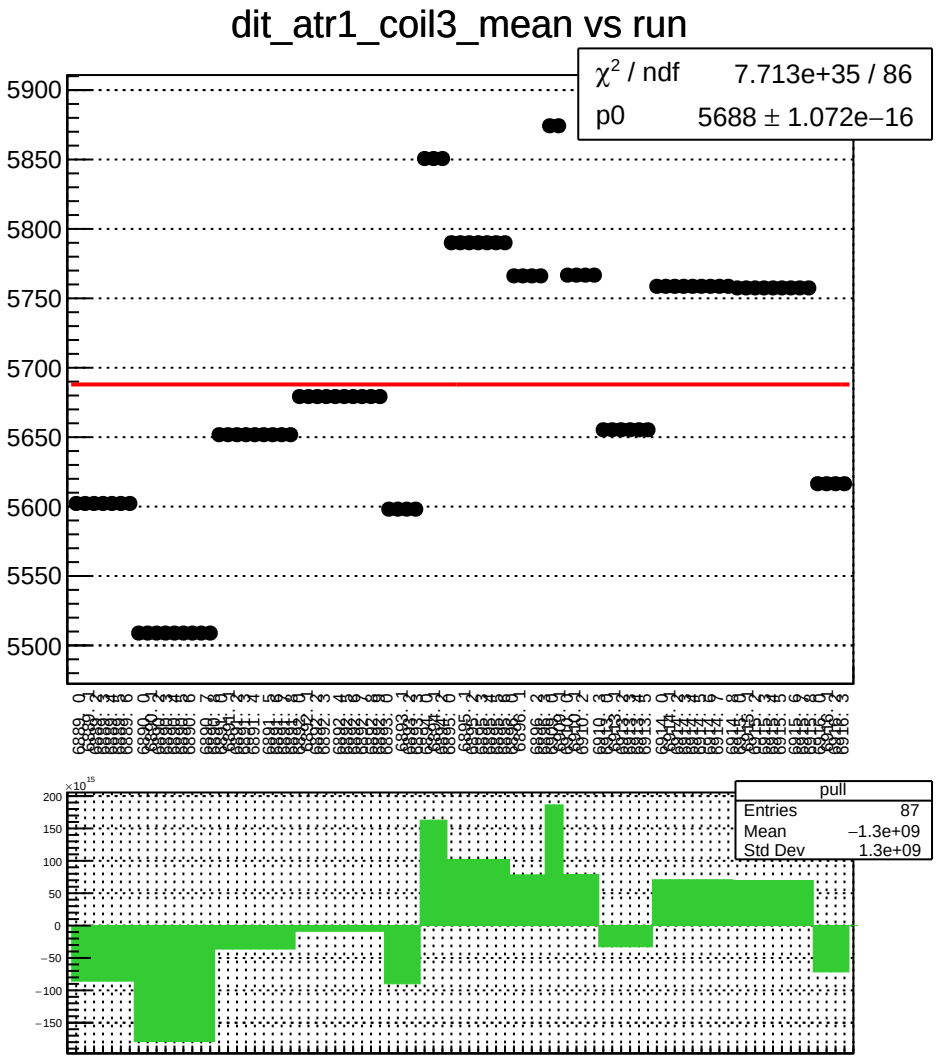

dit_atl2_coil3_err_mean vs run
χ² / ndf 3.183e+36 / 86
p0 764.8 ± 1.072e−16
pull
Entries 87
Mean 2.881e+08
Std Dev 2.881e+08

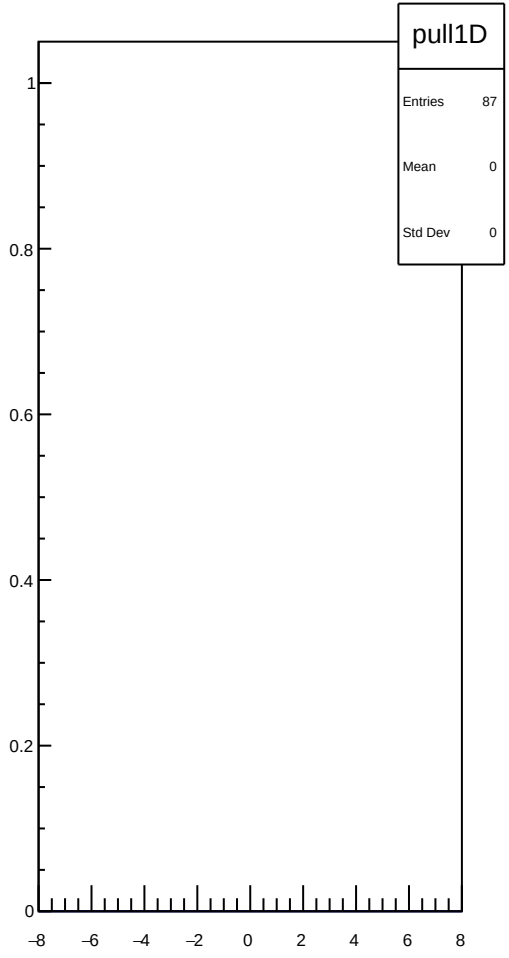

pull1D
Entries 87
Mean 0
Std Dev 0

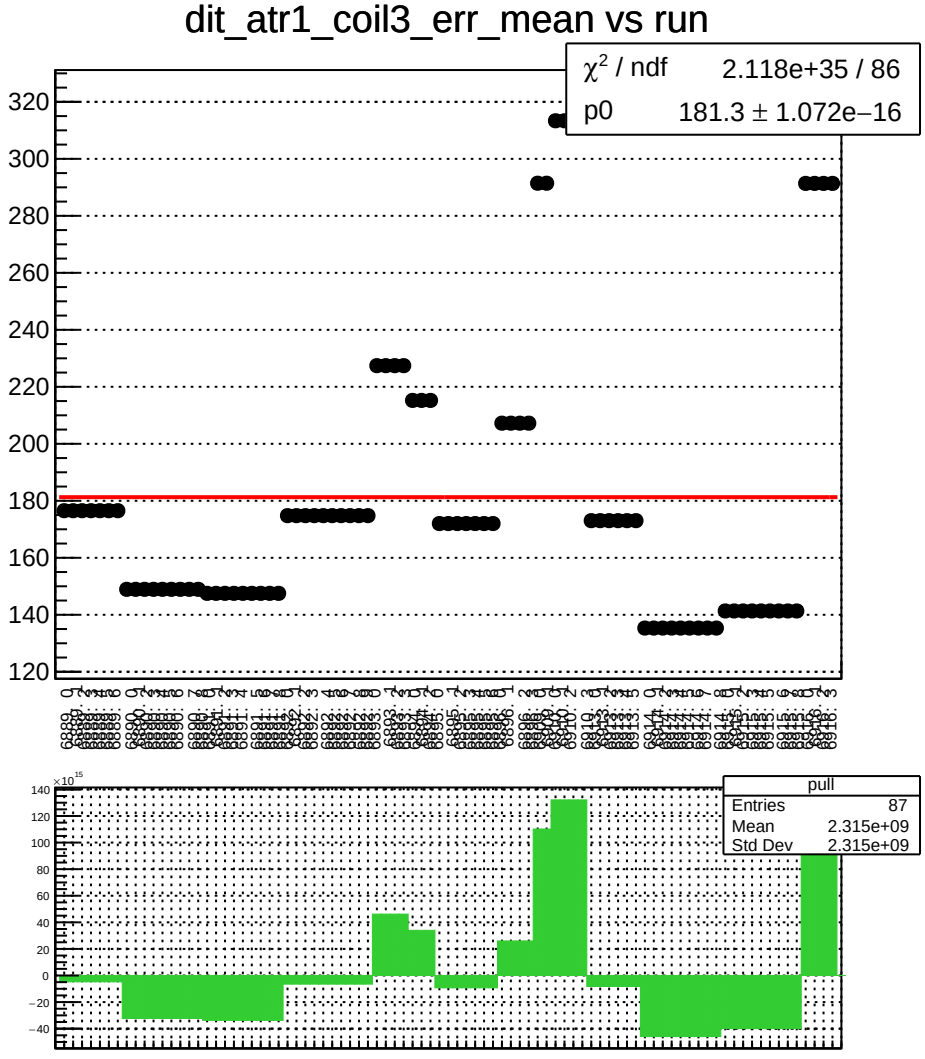
dit_atl2_coil3_Ndata_mean vs run

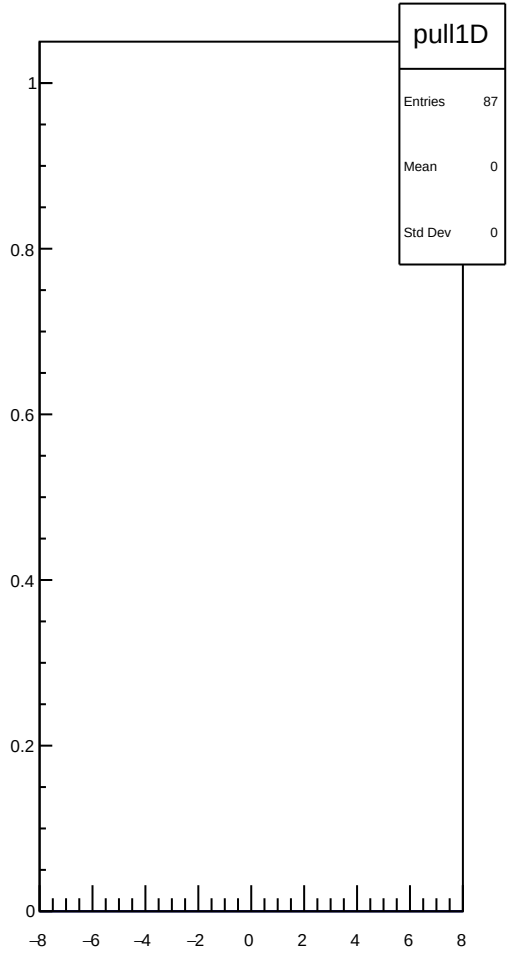




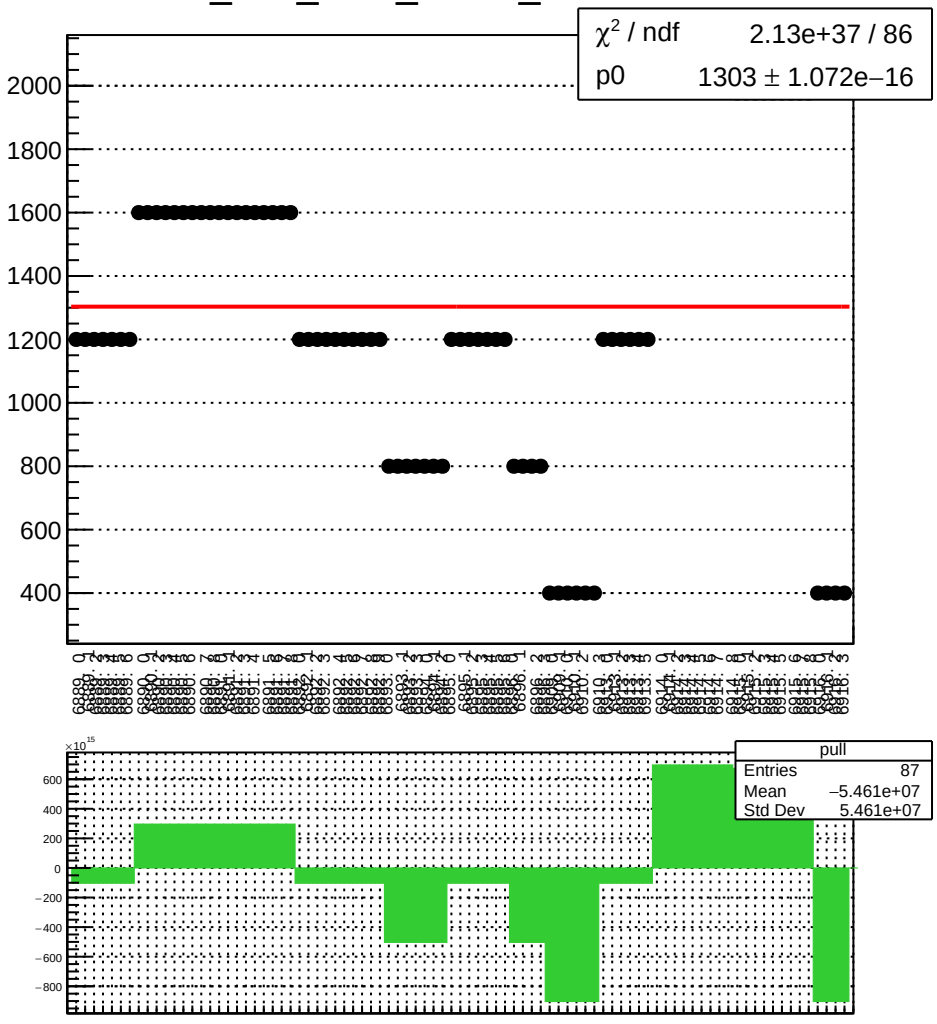

dit_atr1_coil3_mean vs run
χ² / ndf 7.713e+35 / 86
p0 5688 ± 1.072e−16
5900
5850
5800
5750
5700
5650
5600
5550
5500
pull
Entries 87
Mean −1.3e+09
Std Dev 1.3e+09
×10¹⁵
200
150
100
50
0
−50
−100
−150

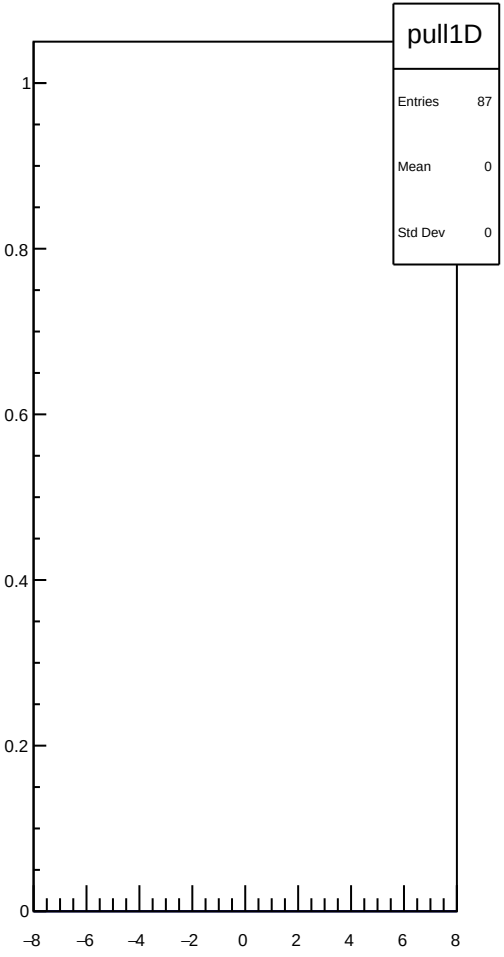

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

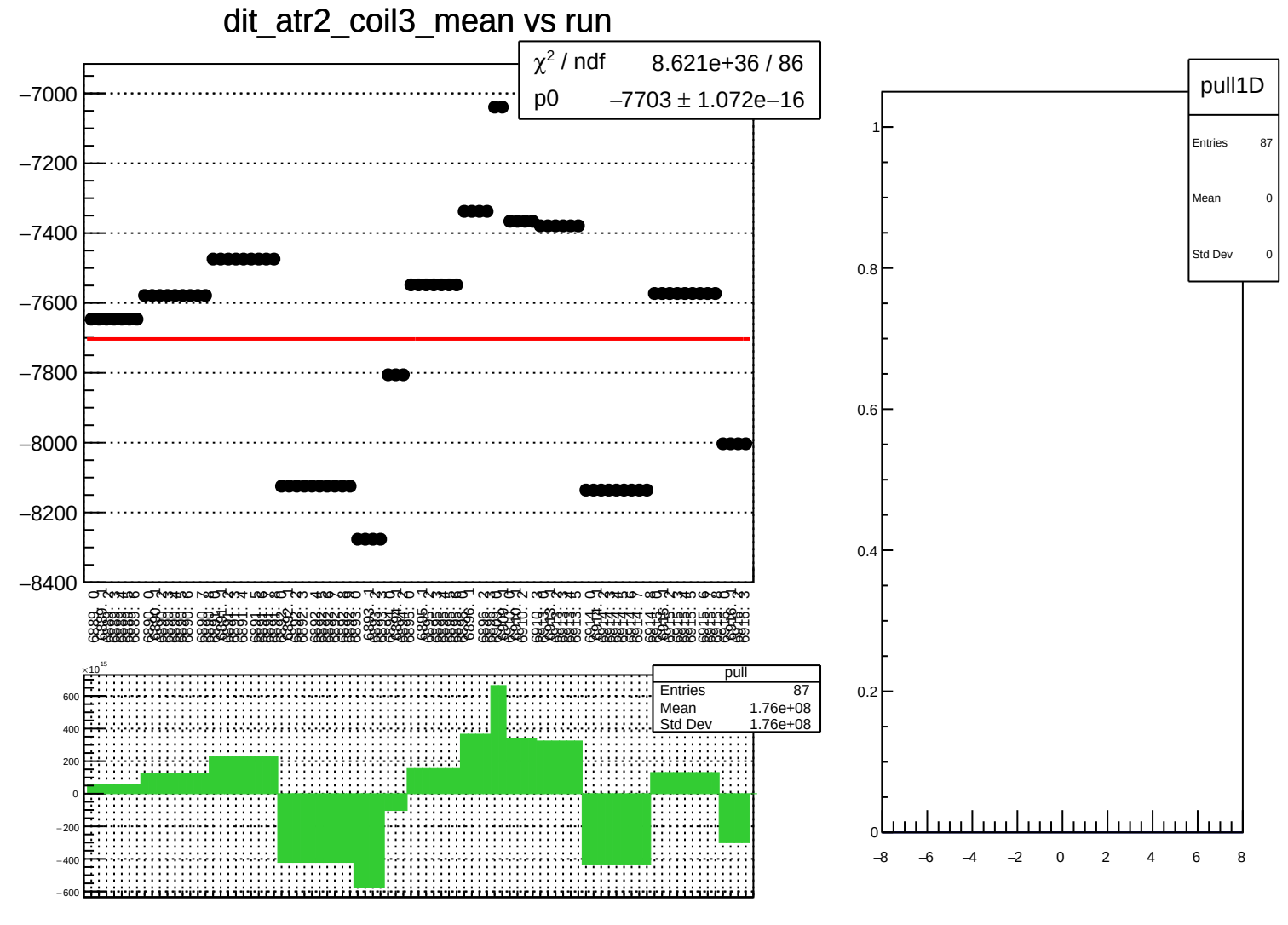

dit_atr1_coil3_err_mean vs run
χ² / ndf 2.118e+35 / 86
p0 181.3 ± 1.072e−16
pull
Entries 87
Mean 2.315e+09
Std Dev 2.315e+09

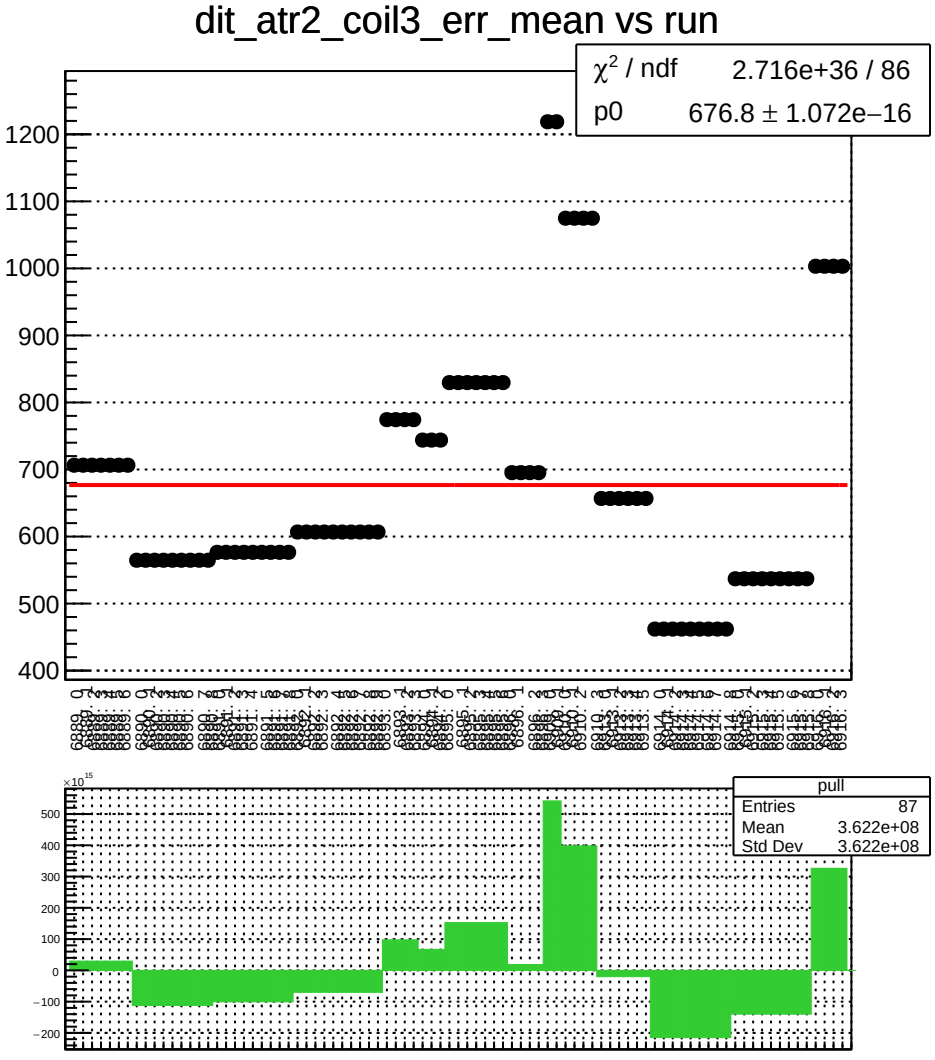

pull1D
Entries 87
Mean 0
Std Dev 0

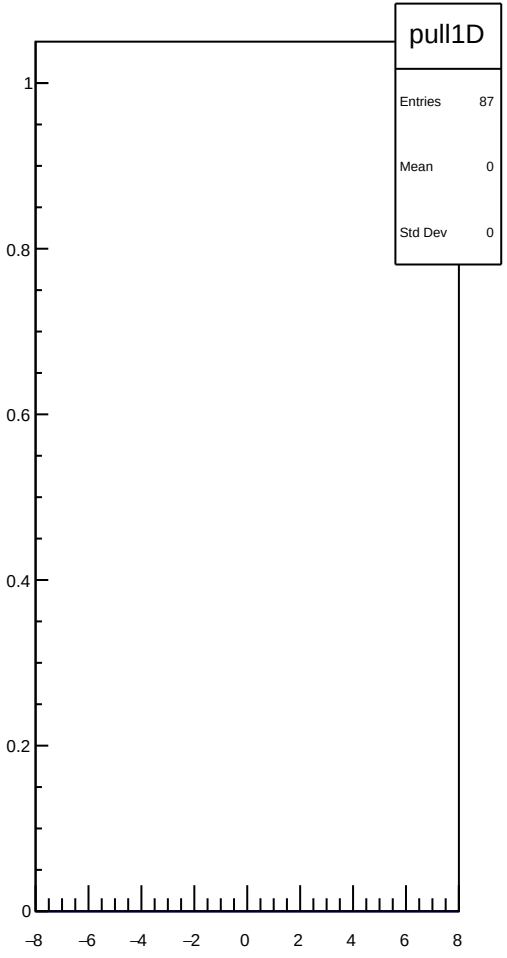
dit_atr1_coil3_Ndata_mean vs run

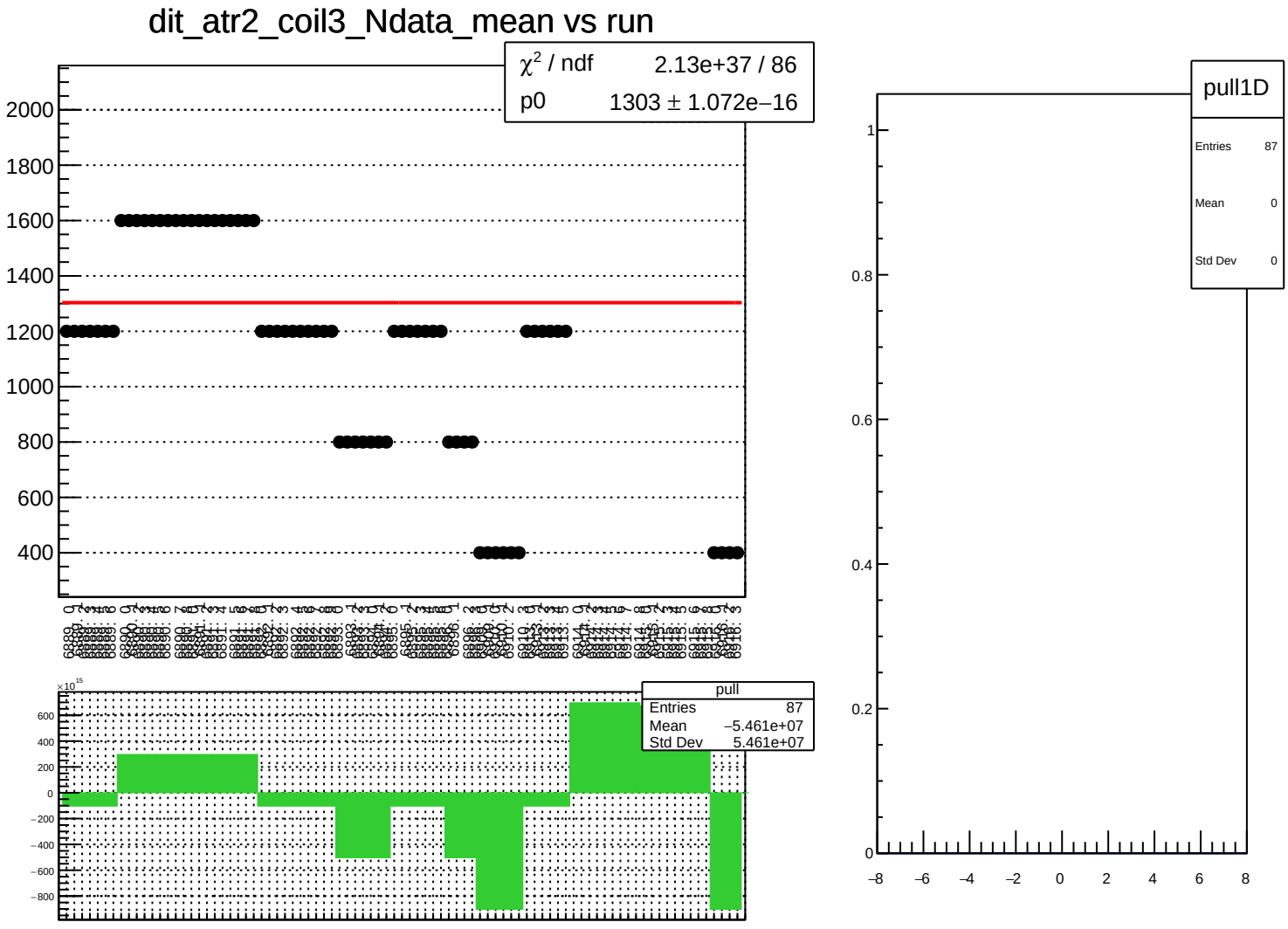


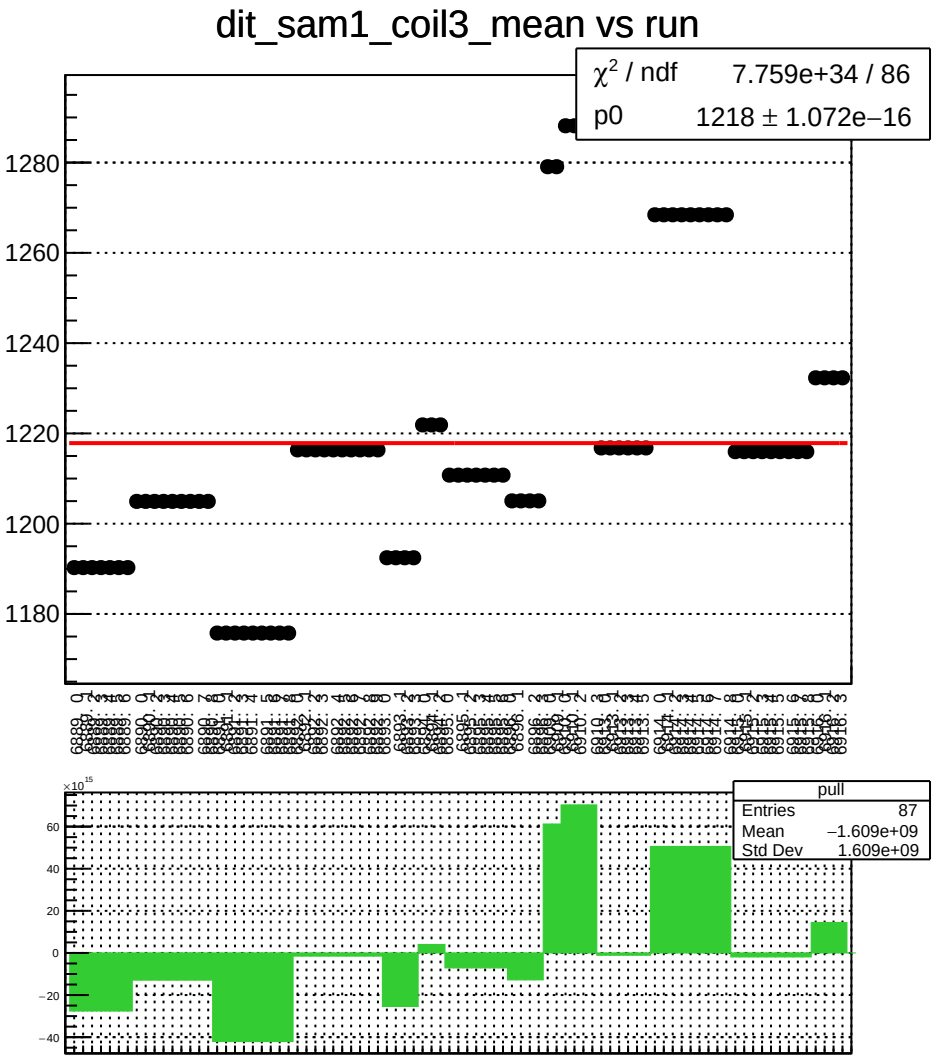


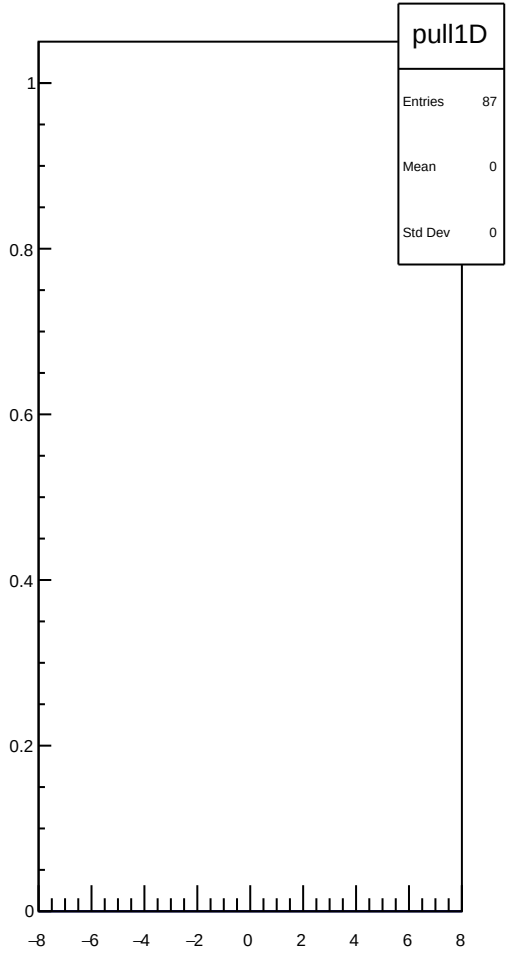

dit_atr2_coil3_mean vs run
χ² / ndf 8.621e+36 / 86
p0 −7703 ± 1.072e−16
−7000
−7200
−7400
−7600
−7800
−8000
−8200
−8400
pull
Entries 87
Mean 1.76e+08
Std Dev 1.76e+08
×10¹⁵
600
400
200
0
−200
−400
−600
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

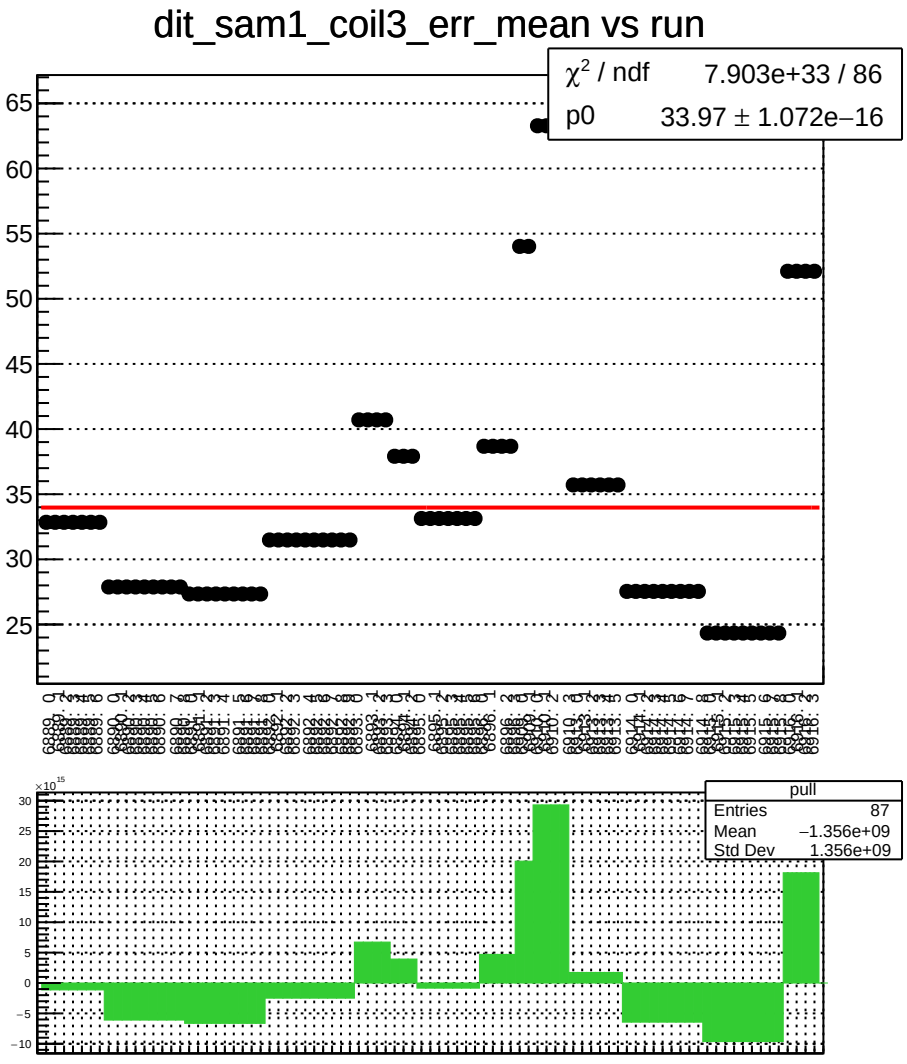

dit_atr2_coil3_err_mean vs run
χ² / ndf 2.716e+36 / 86
p0 676.8 ± 1.072e−16
pull
Entries 87
Mean 3.622e+08
Std Dev 3.622e+08

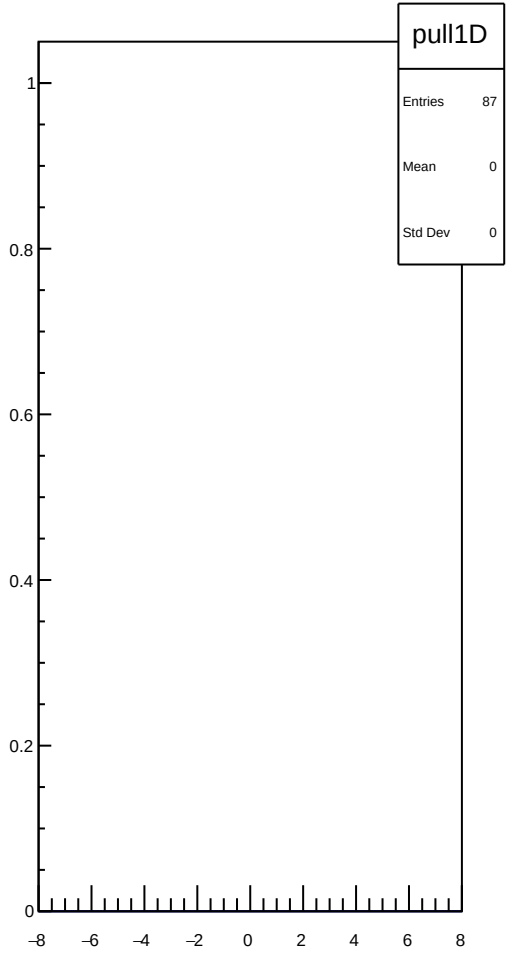

pull1D
Entries 87
Mean 0
Std Dev 0

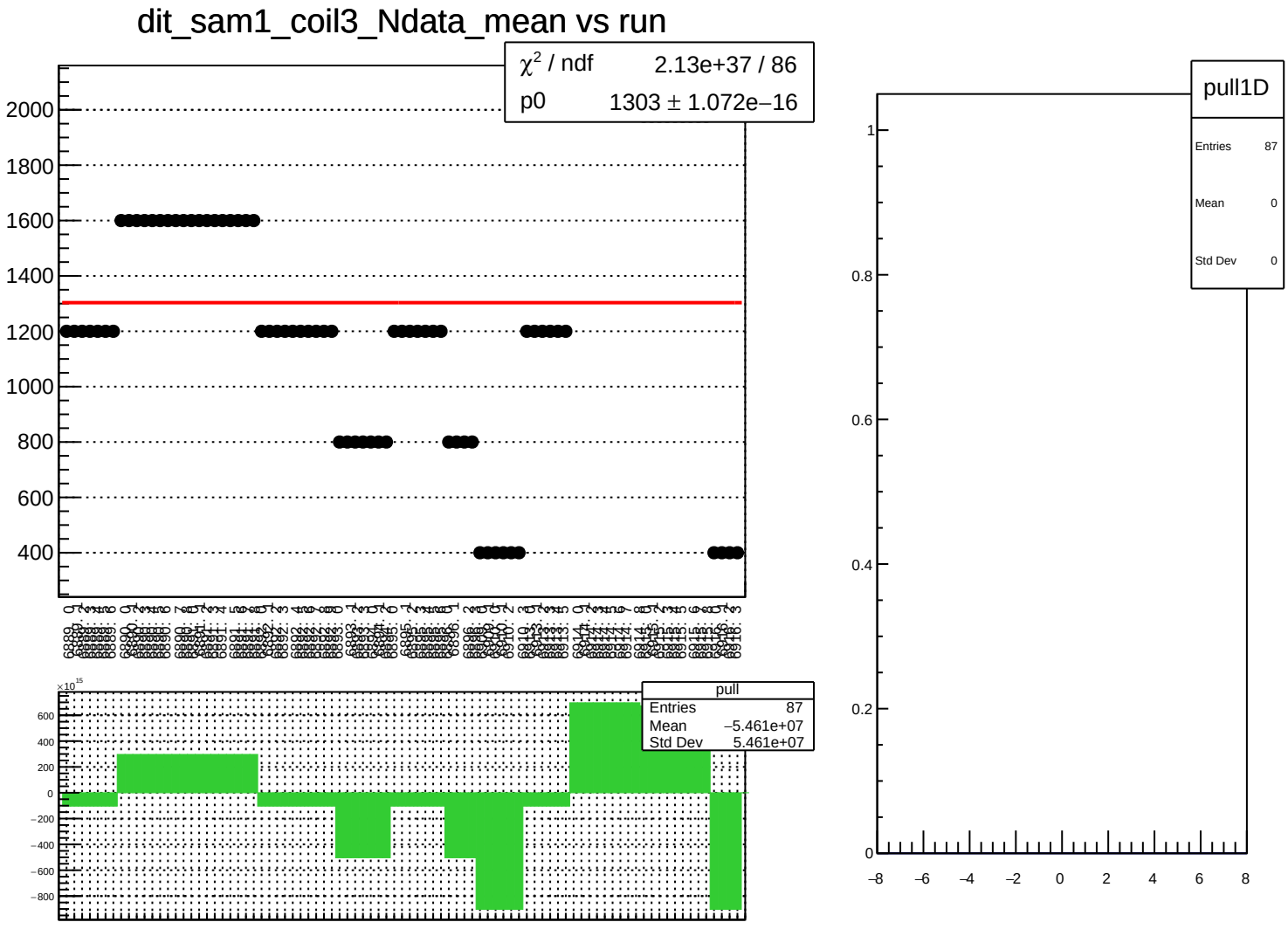

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

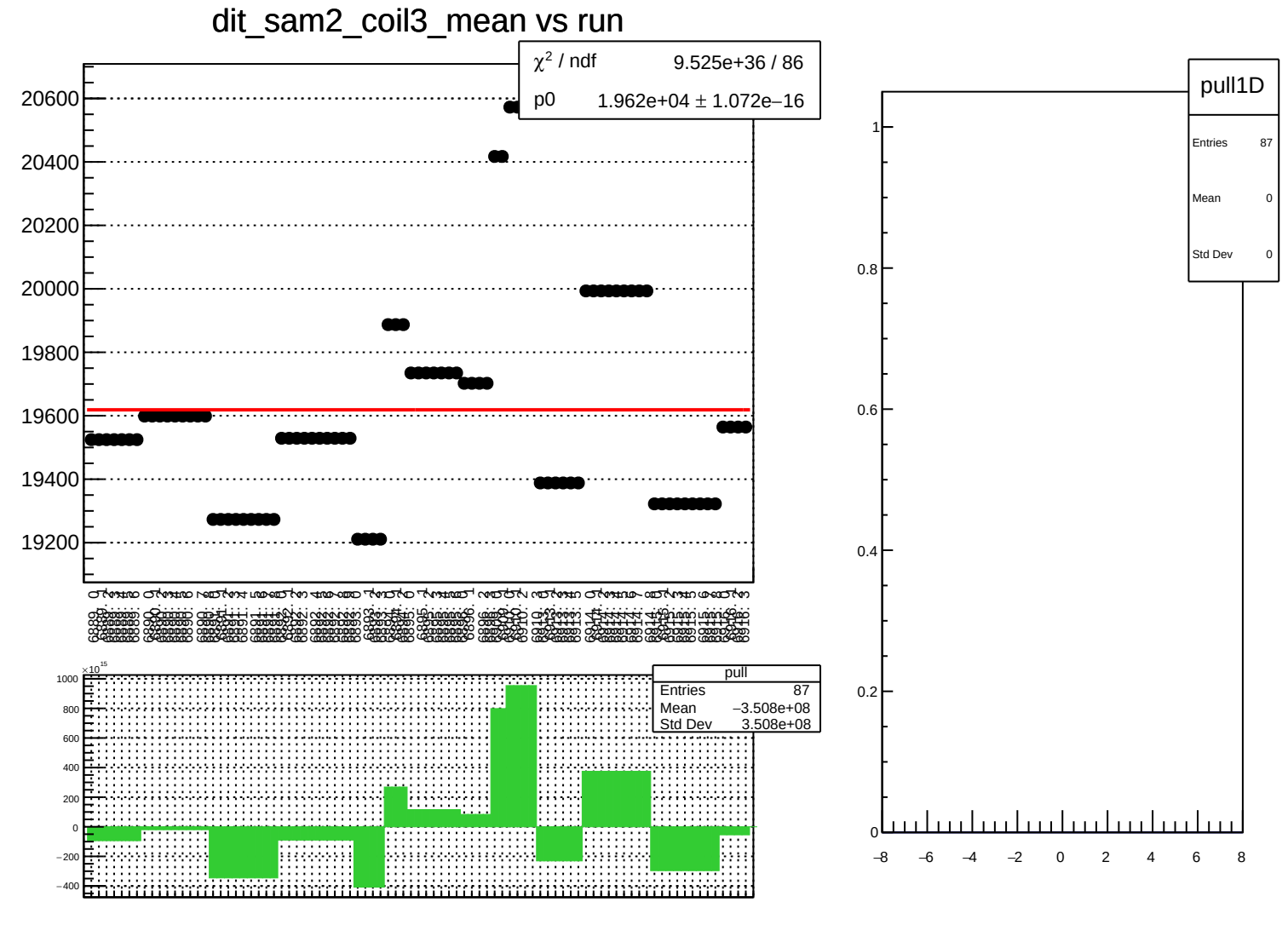

dit_sam1_coil3_mean vs run
χ² / ndf 7.759e+34 / 86
p0 1218 ± 1.072e−16
1280
1260
1240
1220
1200
1180
pull
Entries 87
Mean −1.609e+09
Std Dev 1.609e+09
×10¹⁵
60
40
20
0
−20
−40

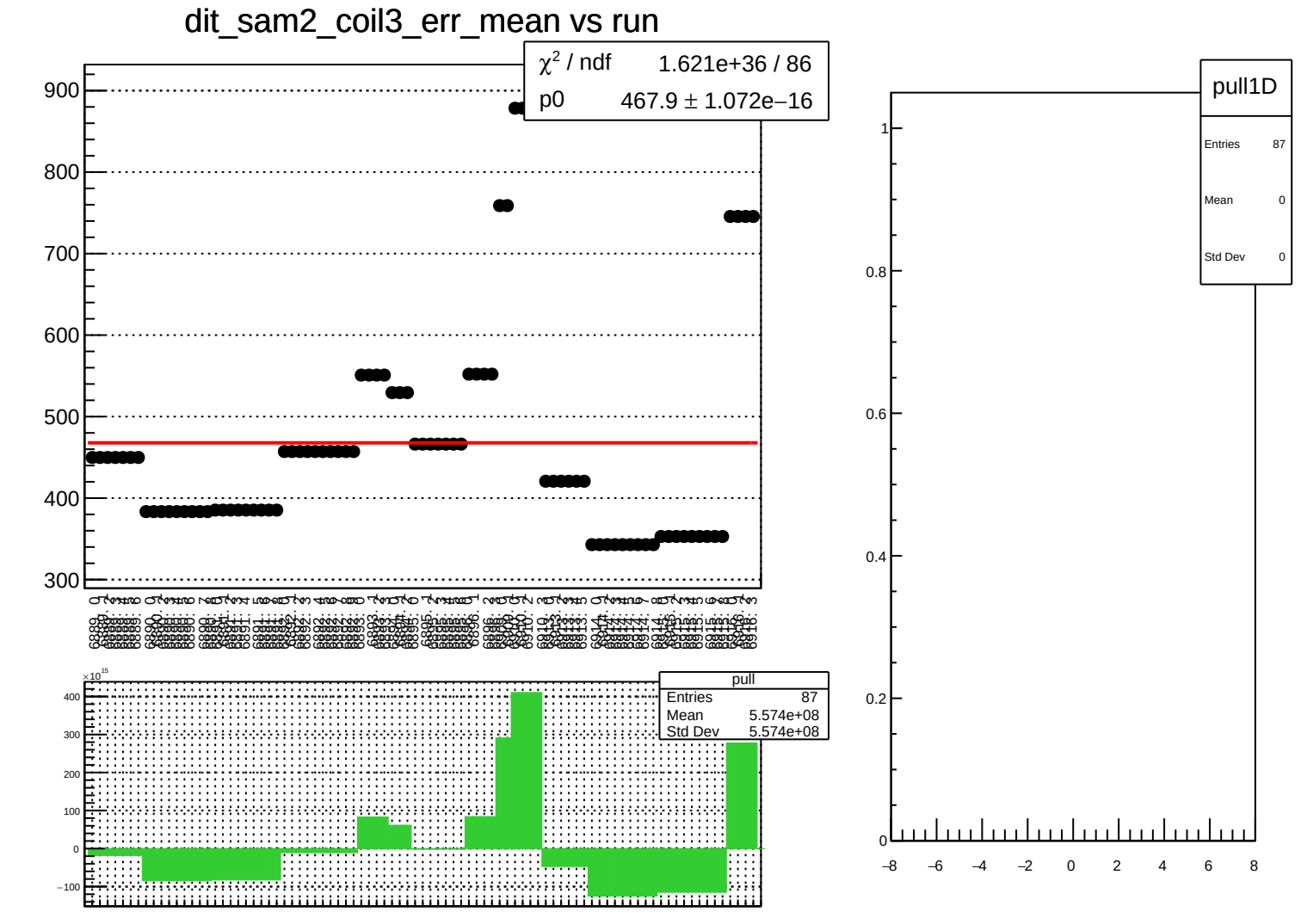

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

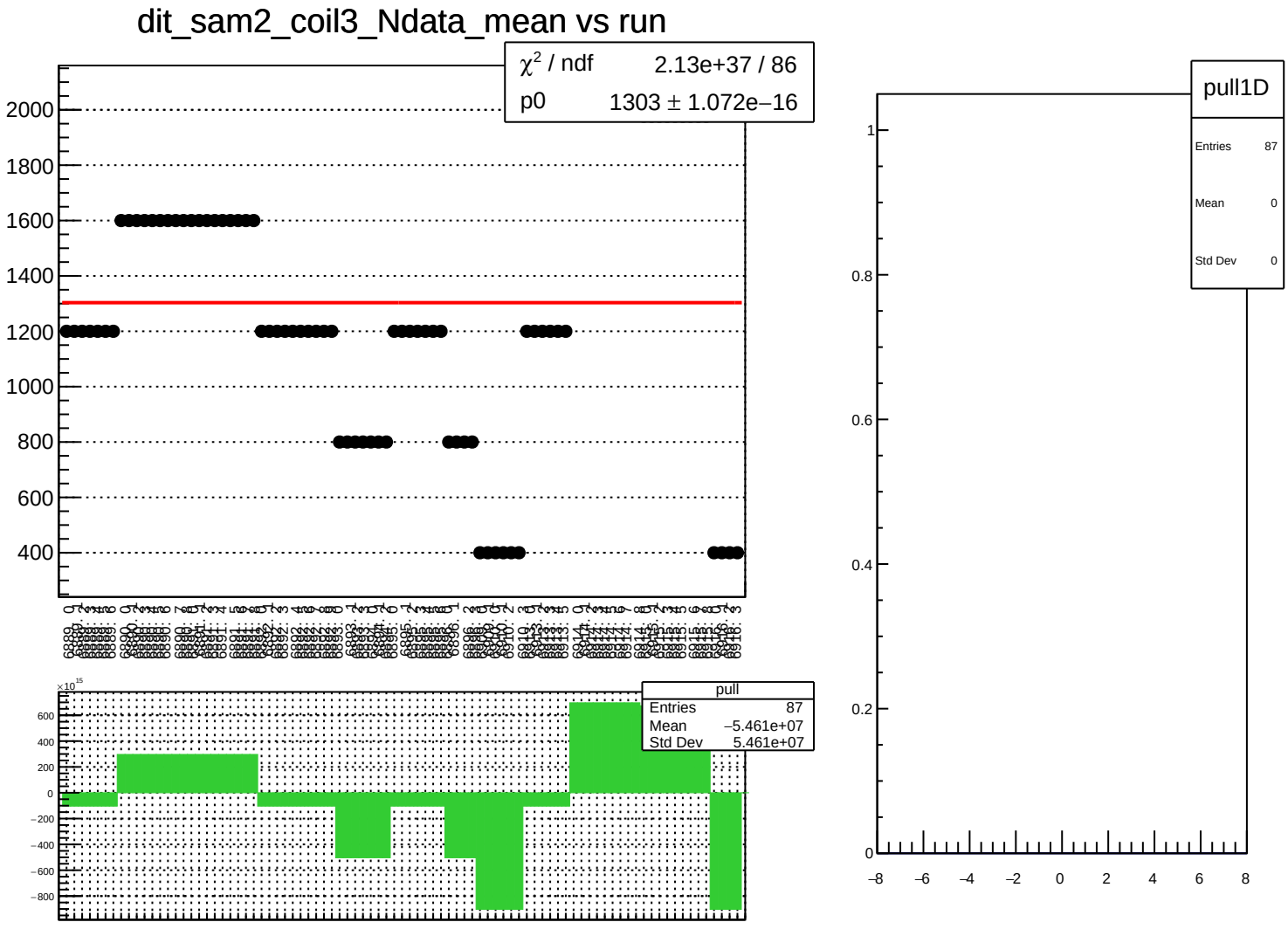

dit_sam1_coil3_err_mean vs run
χ^2 / ndf 7.903e+33 / 86
p0 33.97 ± 1.072e−16
65
60
55
50
45
40
35
30
25
pull
Entries 87
Mean −1.356e+09
Std Dev 1.356e+09
×10^15
30
25
20
15
10
5
0
−5
−10

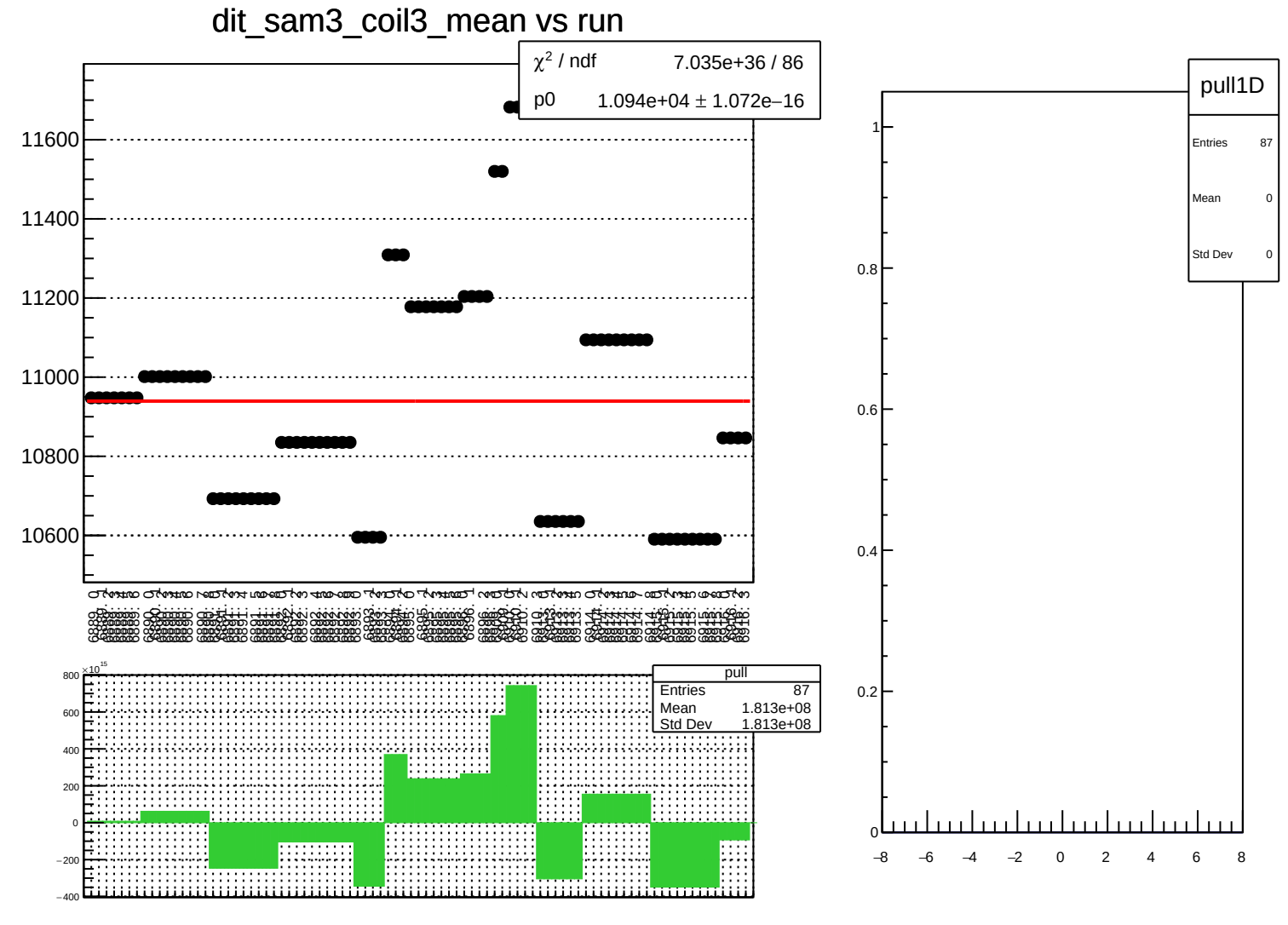

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

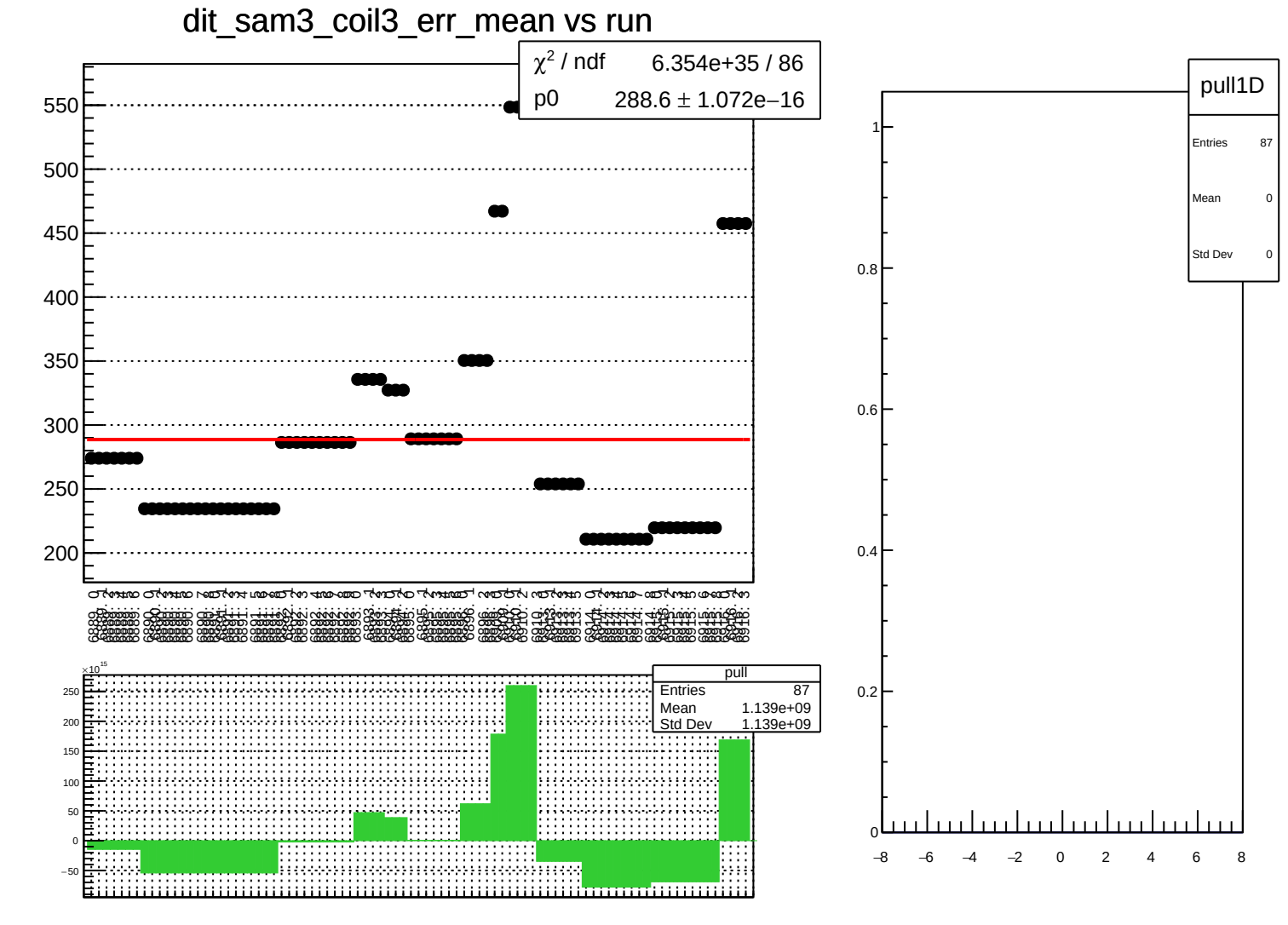

dit_sam1_coil3_Ndata_mean vs run
χ^2 / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

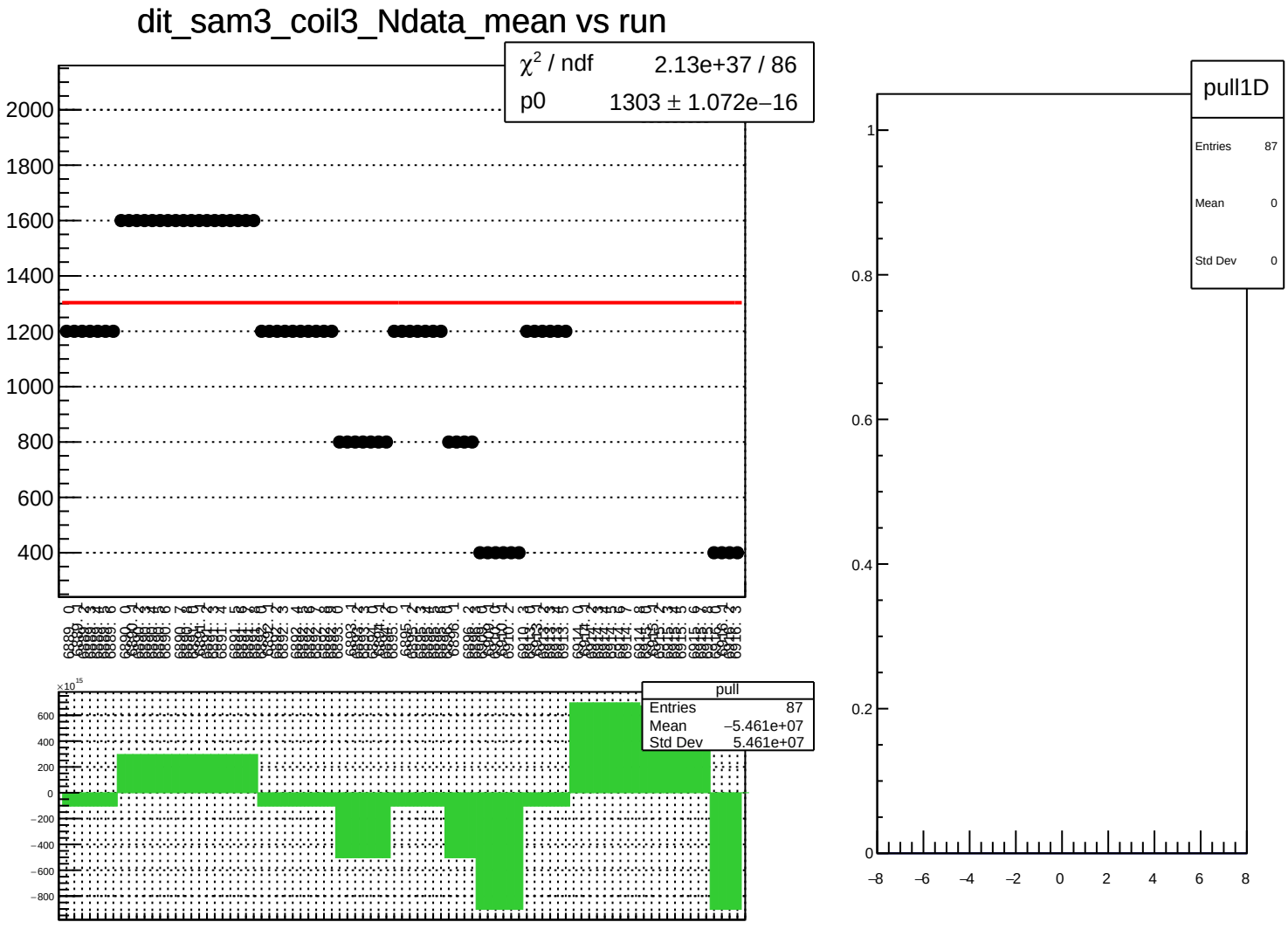

dit_sam2_coil3_mean vs run
χ² / ndf 9.525e+36 / 86
p0 1.962e+04 ± 1.072e−16
20600
20400
20200
20000
19800
19600
19400
19200
pull
Entries 87
Mean −3.508e+08
Std Dev 3.508e+08
×10^15
1000
800
600
400
200
0
−200
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

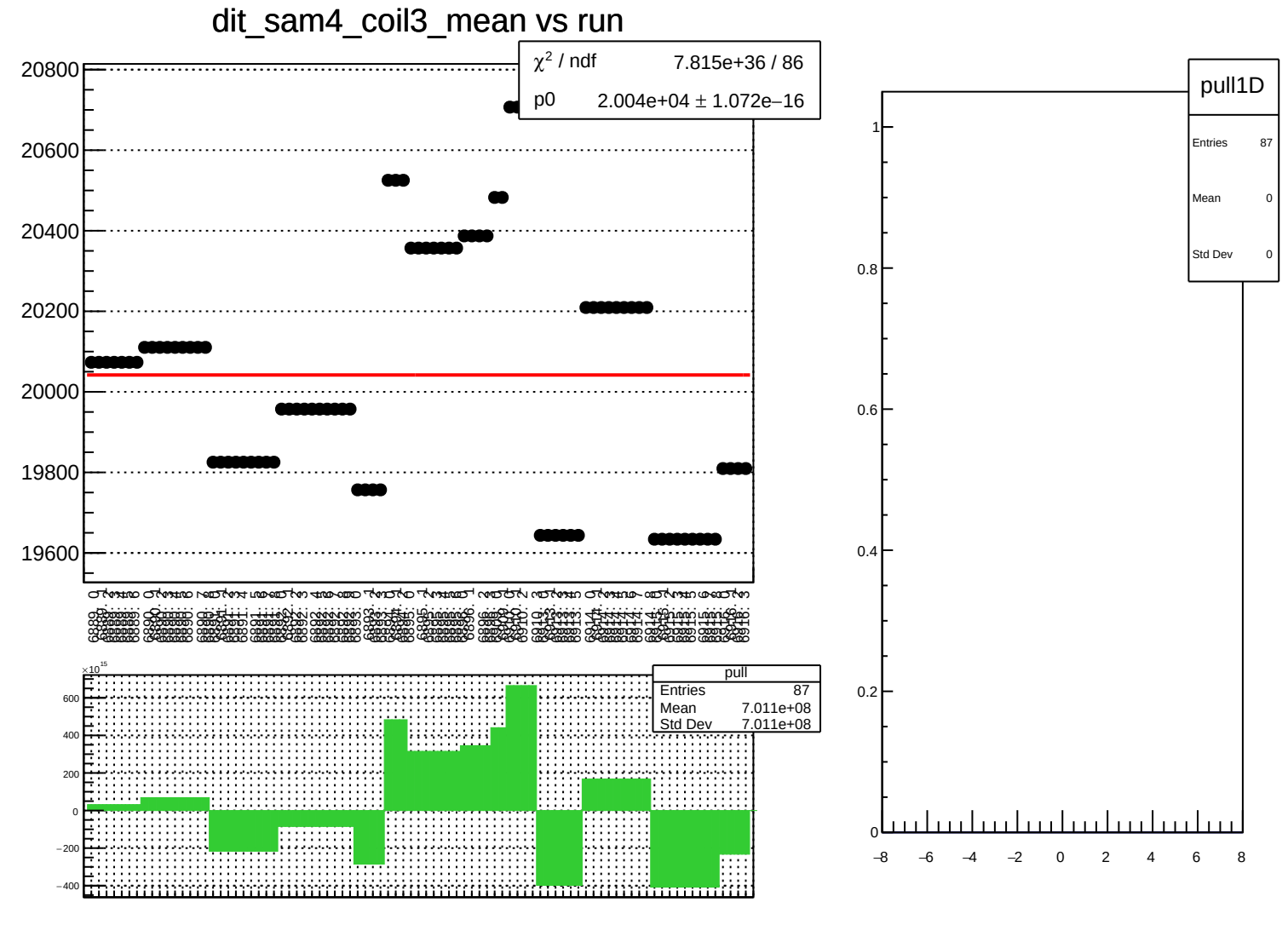

dit_sam2_coil3_err_mean vs run
χ² / ndf 1.621e+36 / 86
p0 467.9 ± 1.072e−16
900
800
700
600
500
400
300
×10¹⁵
400
300
200
100
0
−100
pull
Entries 87
Mean 5.574e+08
Std Dev 5.574e+08
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

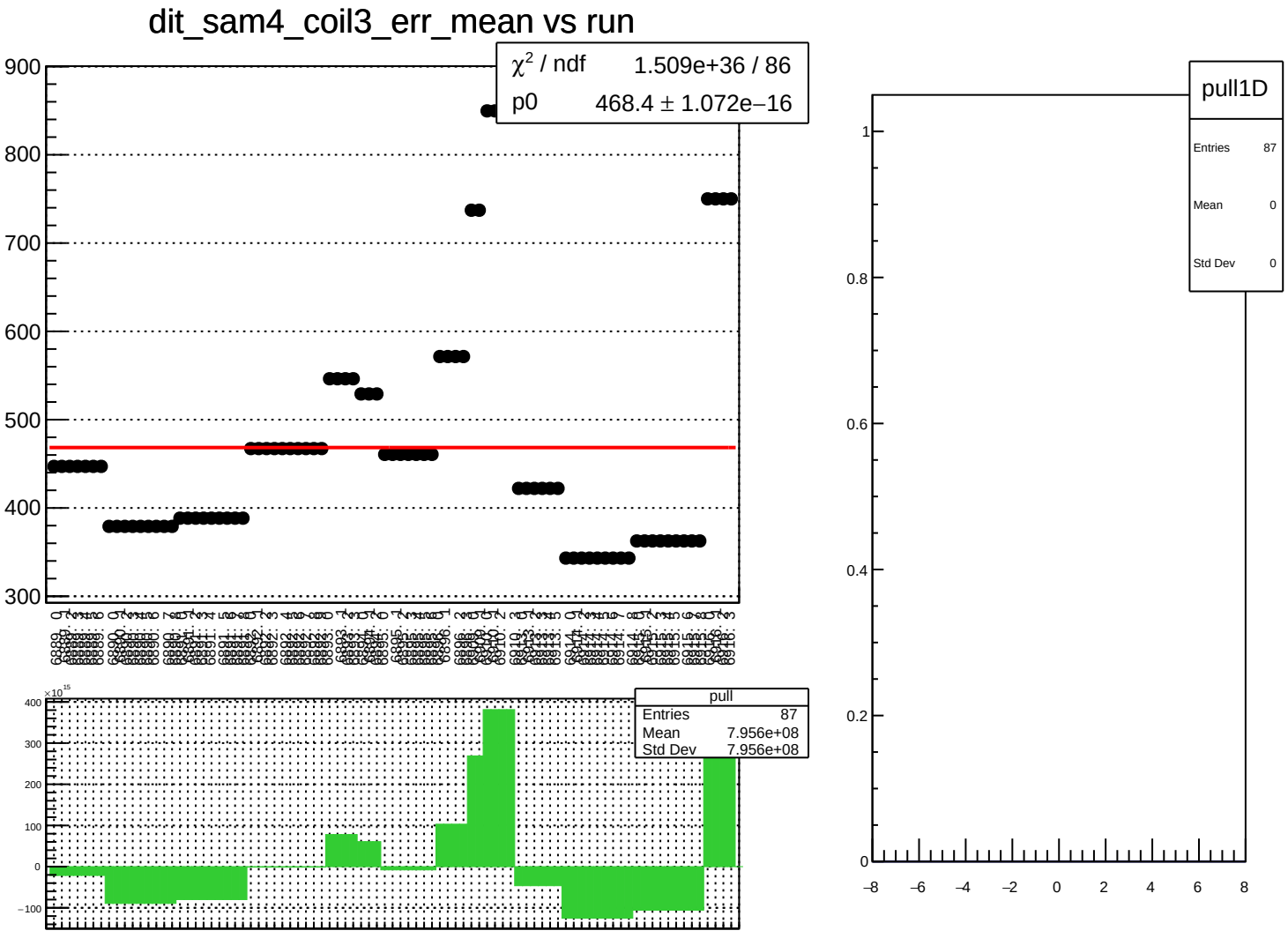

dit_sam2_coil3_Ndata_mean vs run
χ^2 / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_coil3_mean vs run
χ² / ndf 7.035e+36 / 86
p0 1.094e+04 ± 1.072e−16
11600
11400
11200
11000
10800
10600
pull
Entries 87
Mean 1.813e+08
Std Dev 1.813e+08
×10^15
800
600
400
200
0
−200
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

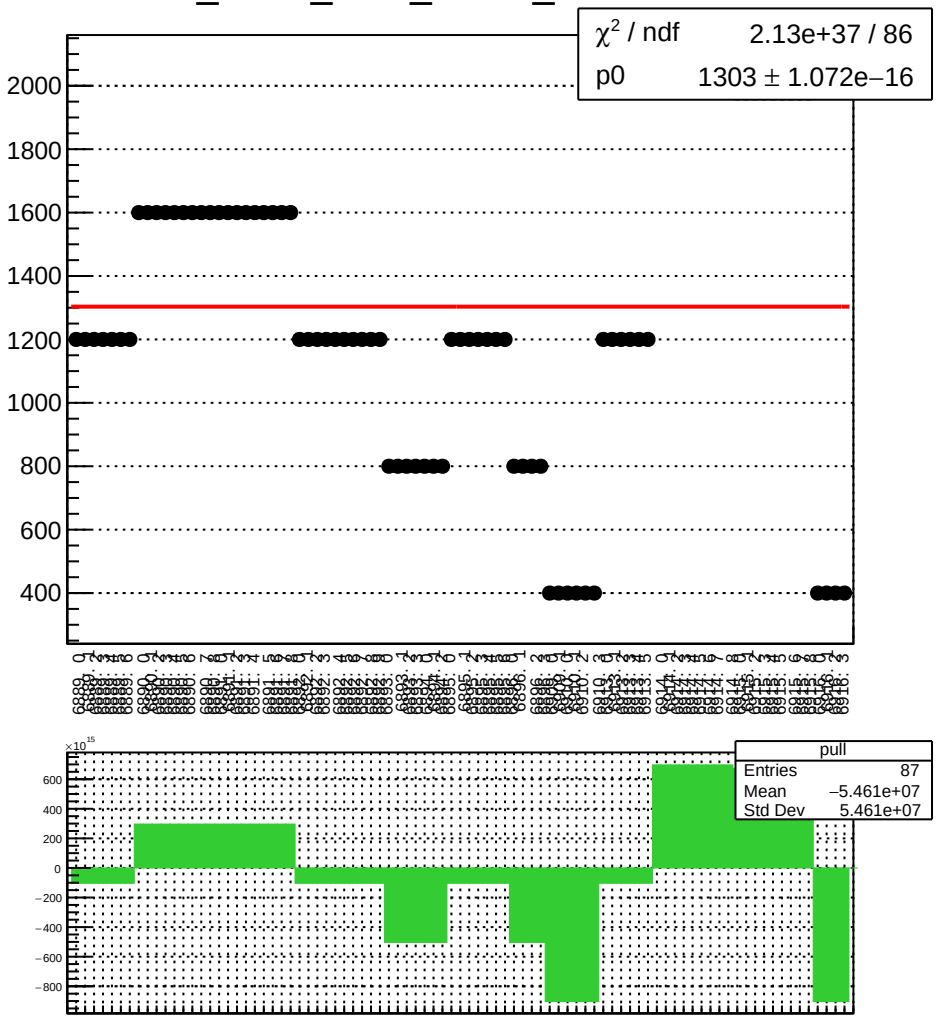

dit_sam3_coil3_err_mean vs run
χ² / ndf 6.354e+35 / 86
p0 288.6 ± 1.072e−16
550
500
450
400
350
300
250
200
×10¹⁵
250
200
150
100
50
0
−50
pull
Entries 87
Mean 1.139e+09
Std Dev 1.139e+09
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

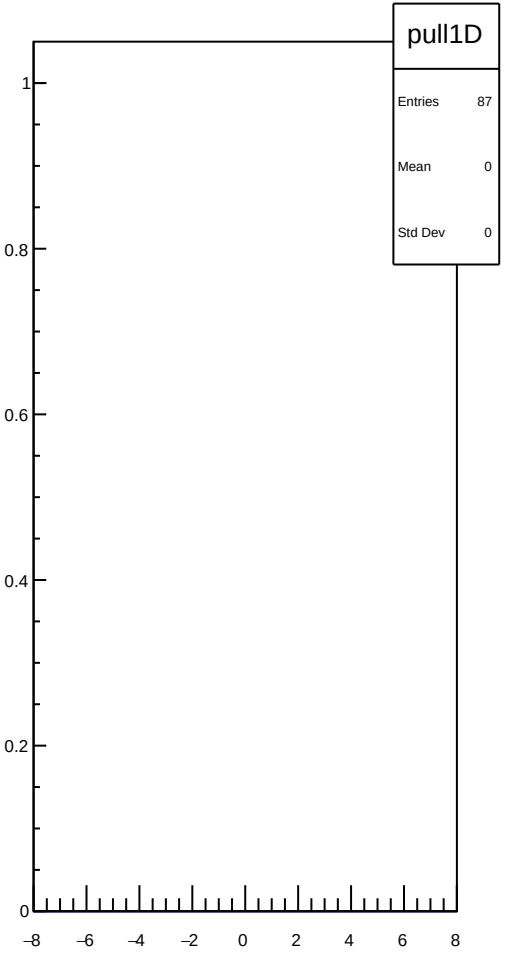

dit_sam3_coil3_Ndata_mean vs run
χ^2 / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

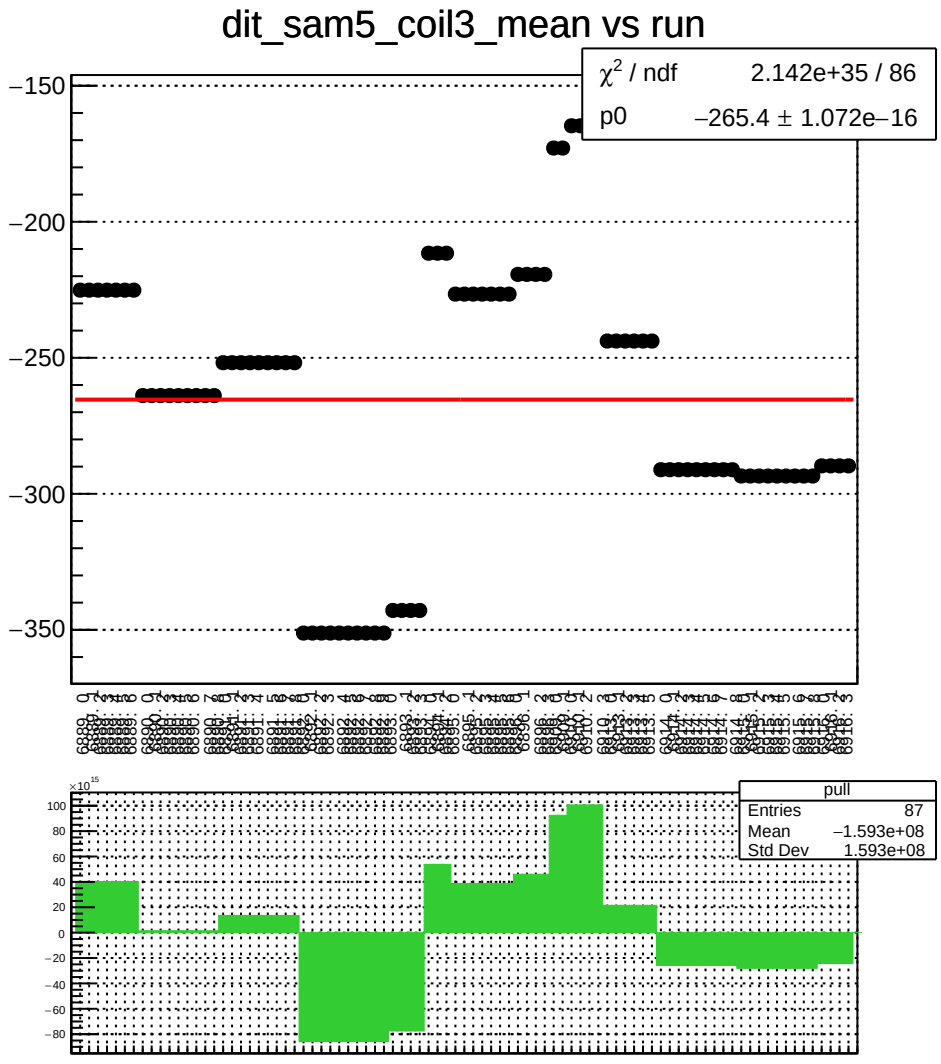

dit_sam4_coil3_mean vs run
χ² / ndf 7.815e+36 / 86
p0 2.004e+04 ± 1.072e−16
20800
20600
20400
20200
20000
19800
19600
pull
Entries 87
Mean 7.011e+08
Std Dev 7.011e+08
×10^15
600
400
200
0
−200
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

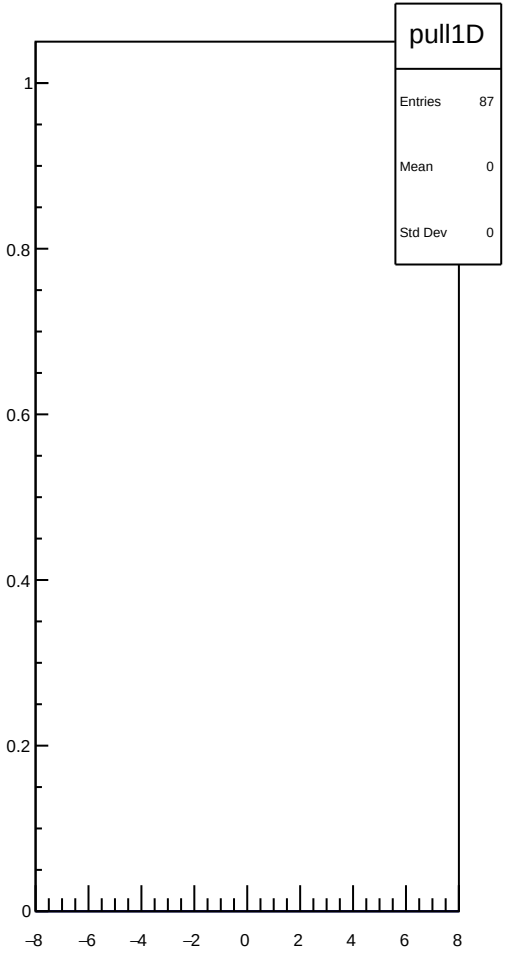

dit_sam4_coil3_err_mean vs run
χ^2 / ndf 1.509e+36 / 86
p0 468.4 ± 1.072e−16
900
800
700
600
500
400
300
pull
Entries 87
Mean 7.956e+08
Std Dev 7.956e+08
400
300
200
100
0
−100
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

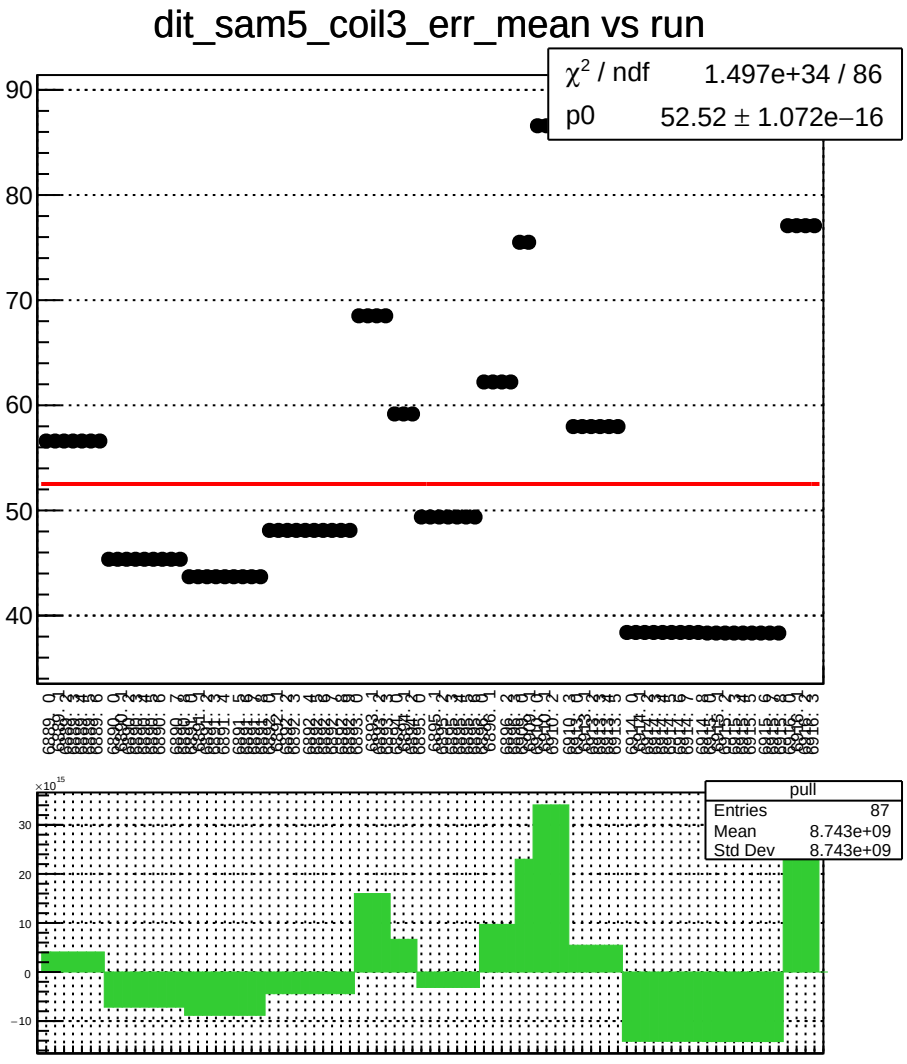
dit_sam4_coil3_Ndata_mean vs run

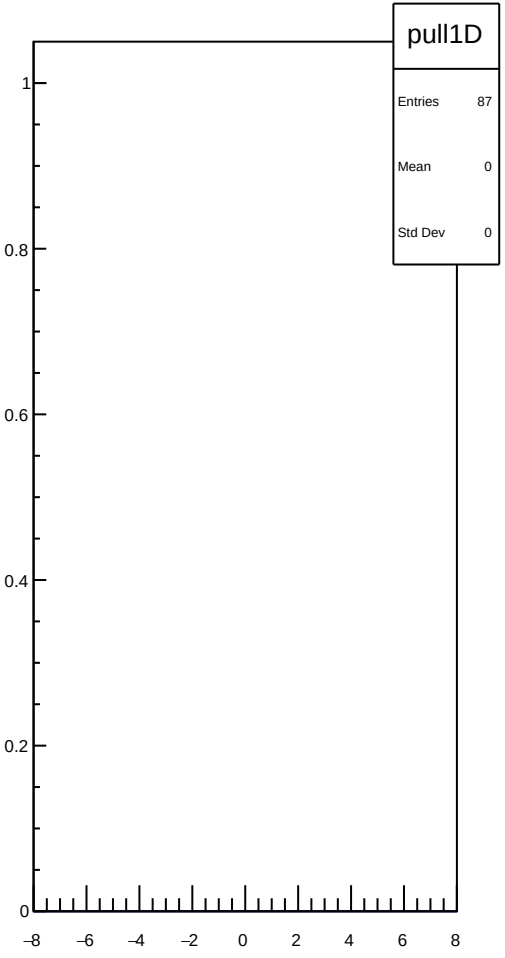


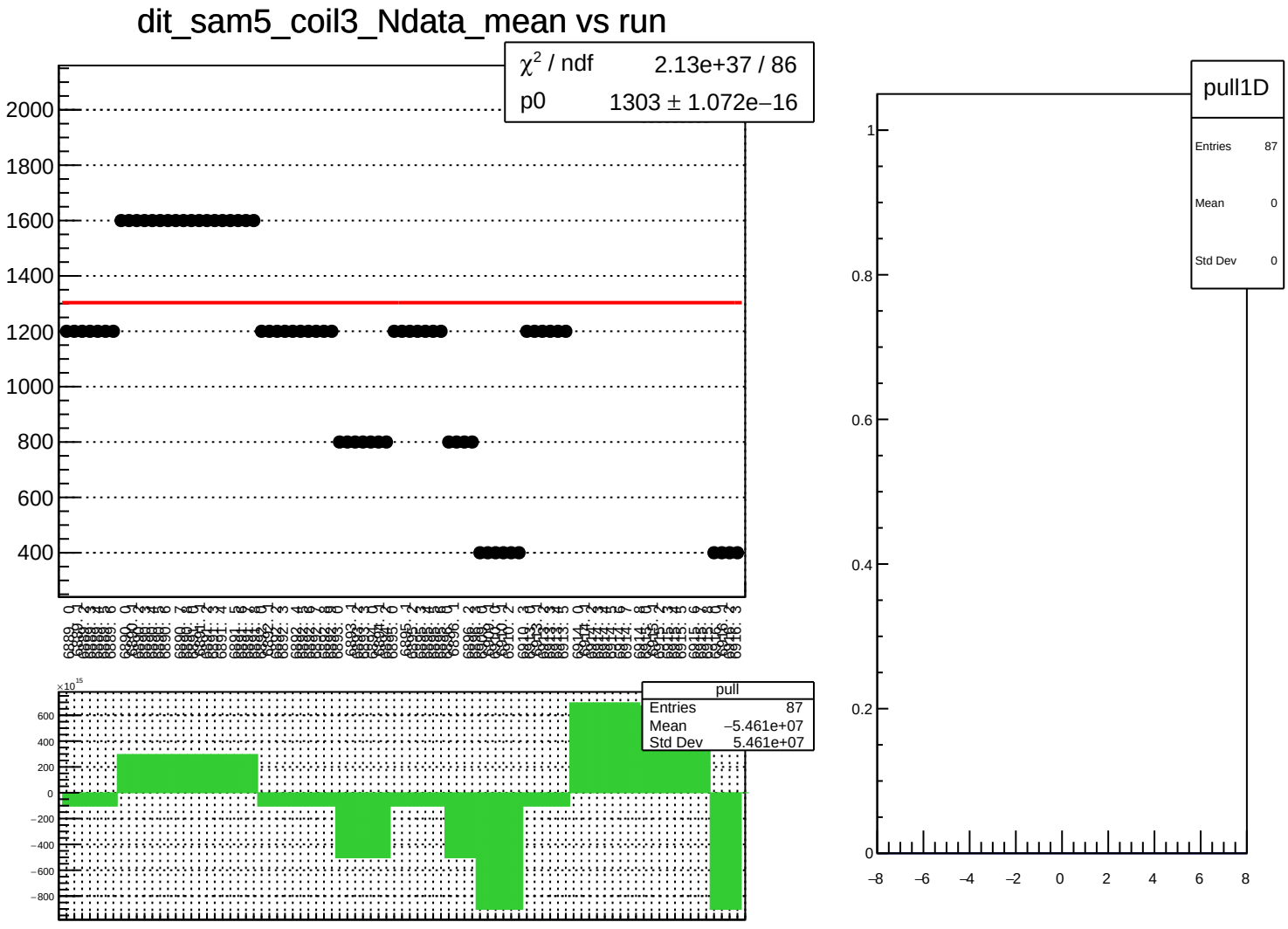


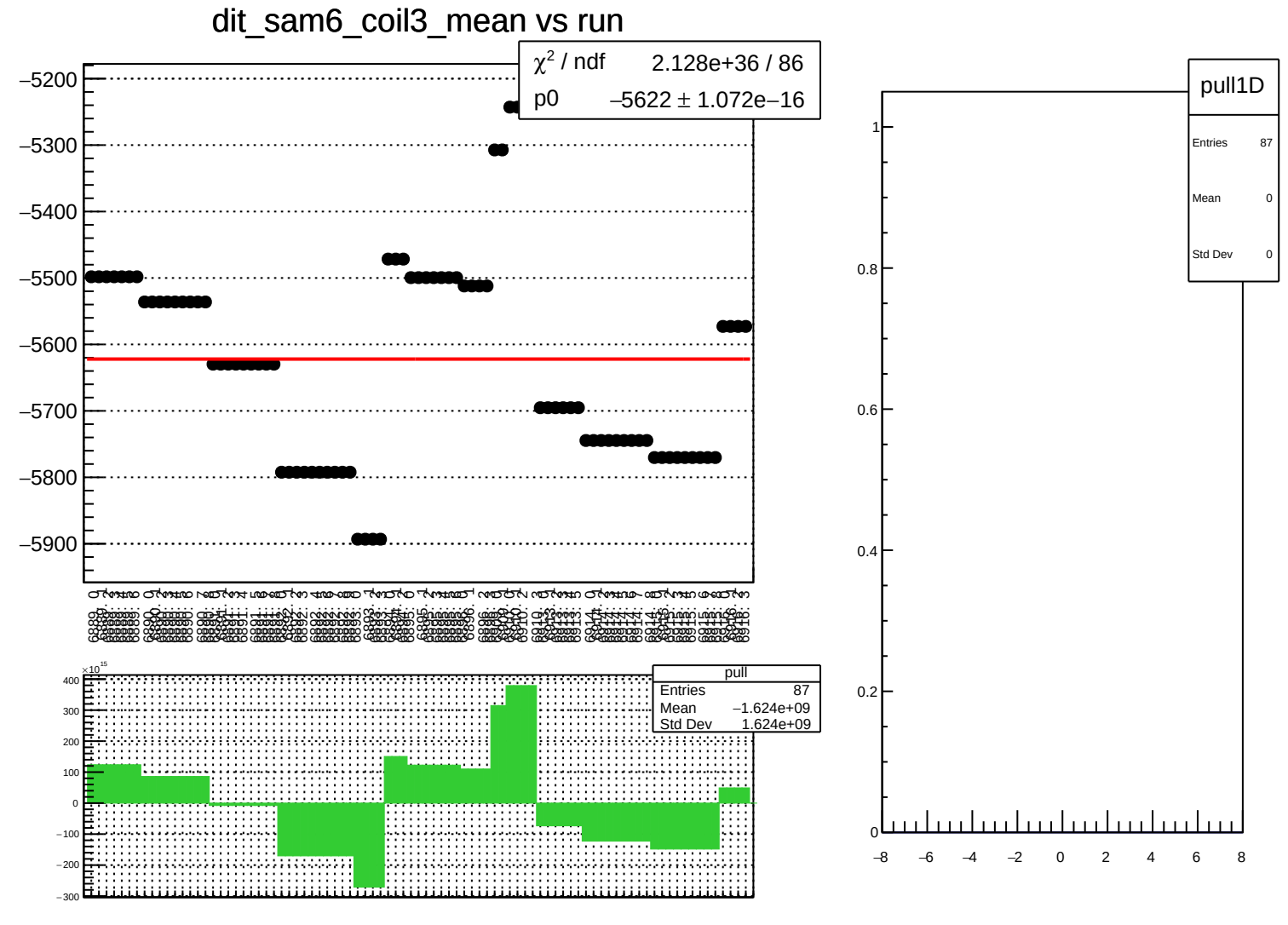

dit_sam5_coil3_mean vs run
χ² / ndf 2.142e+35 / 86
p0 −265.4 ± 1.072e−16
−150
−200
−250
−300
−350
pull
Entries 87
Mean −1.593e+08
Std Dev 1.593e+08
×10¹⁵
100
80
60
40
20
0
−20
−40
−60
−80

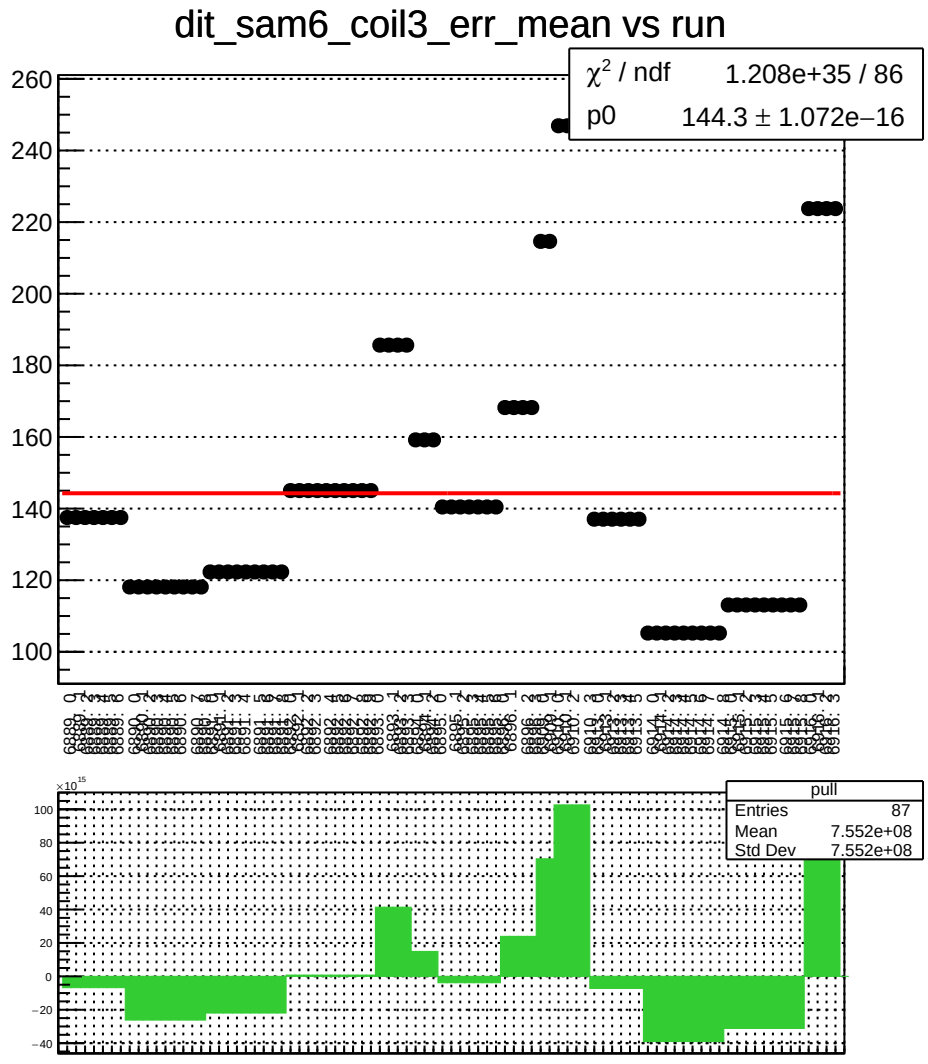

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

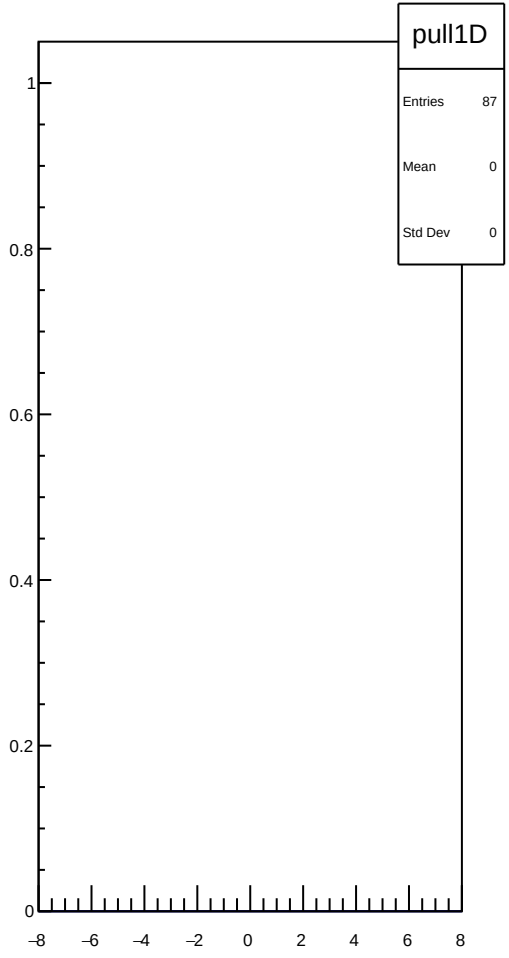

dit_sam5_coil3_err_mean vs run
χ² / ndf 1.497e+34 / 86
p0 52.52 ± 1.072e−16
90
80
70
60
50
40
pull
Entries 87
Mean 8.743e+09
Std Dev 8.743e+09
×10¹⁵
30
20
10
0
−10

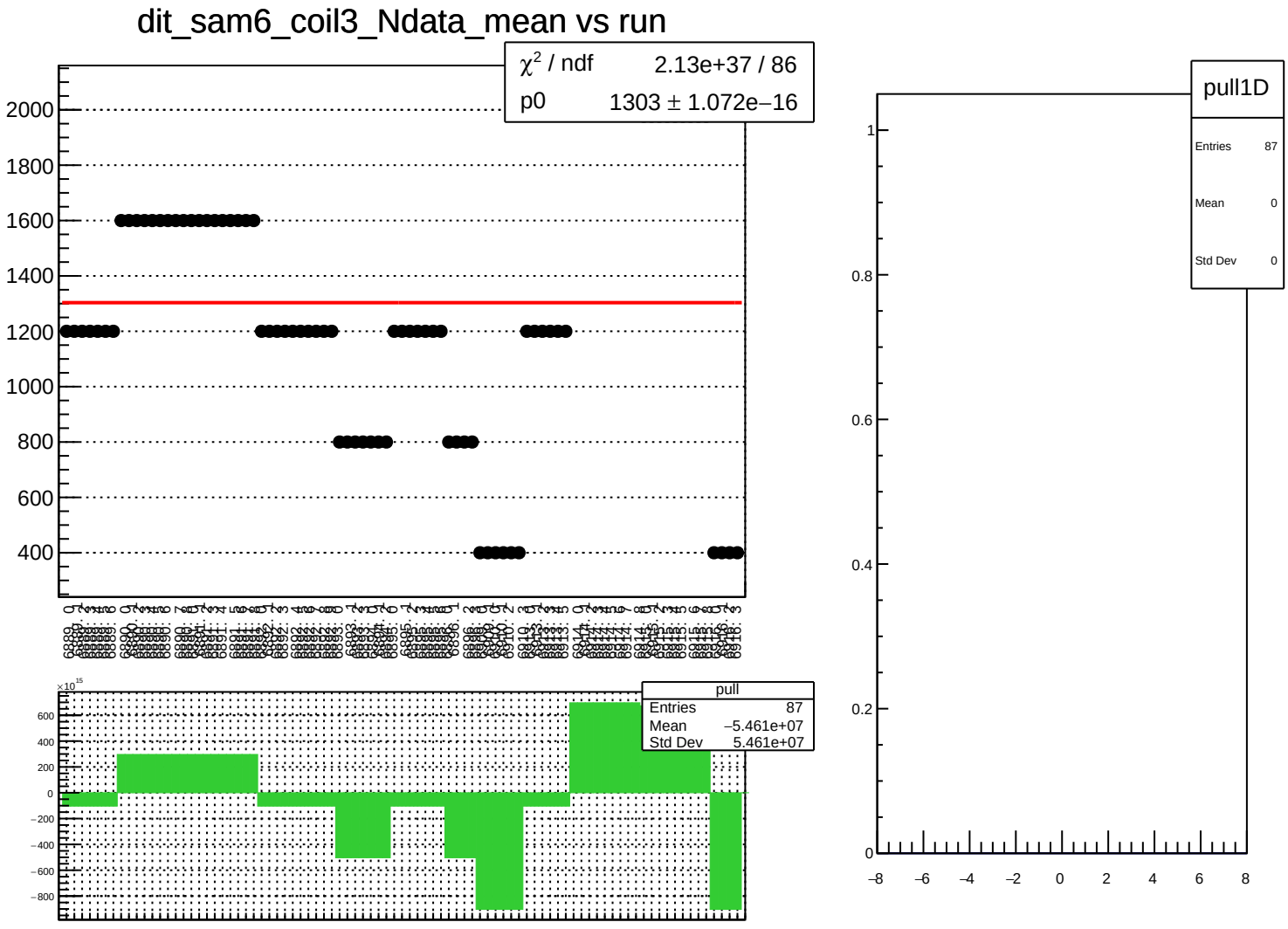

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

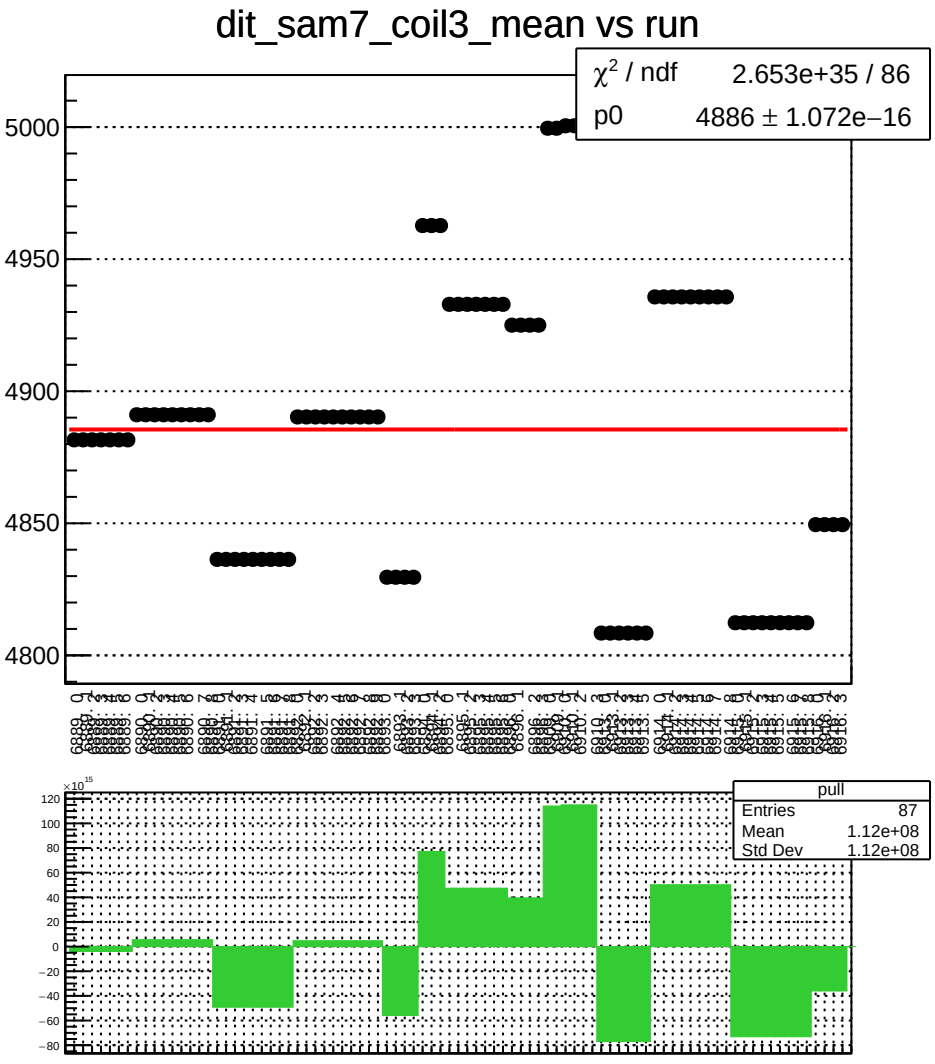

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

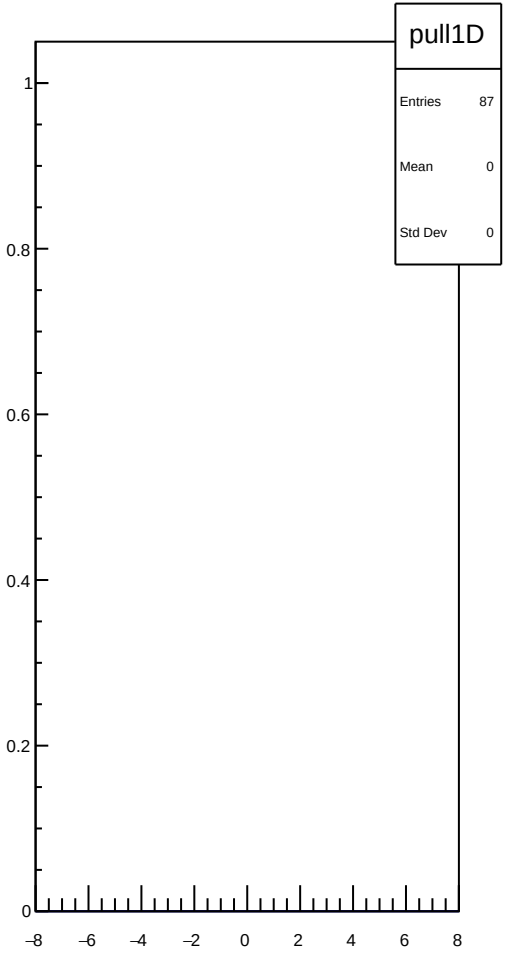

dit_sam6_coil3_mean vs run
χ² / ndf 2.128e+36 / 86
p0 −5622 ± 1.072e−16
−5200
−5300
−5400
−5500
−5600
−5700
−5800
−5900
pull
Entries 87
Mean −1.624e+09
Std Dev 1.624e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

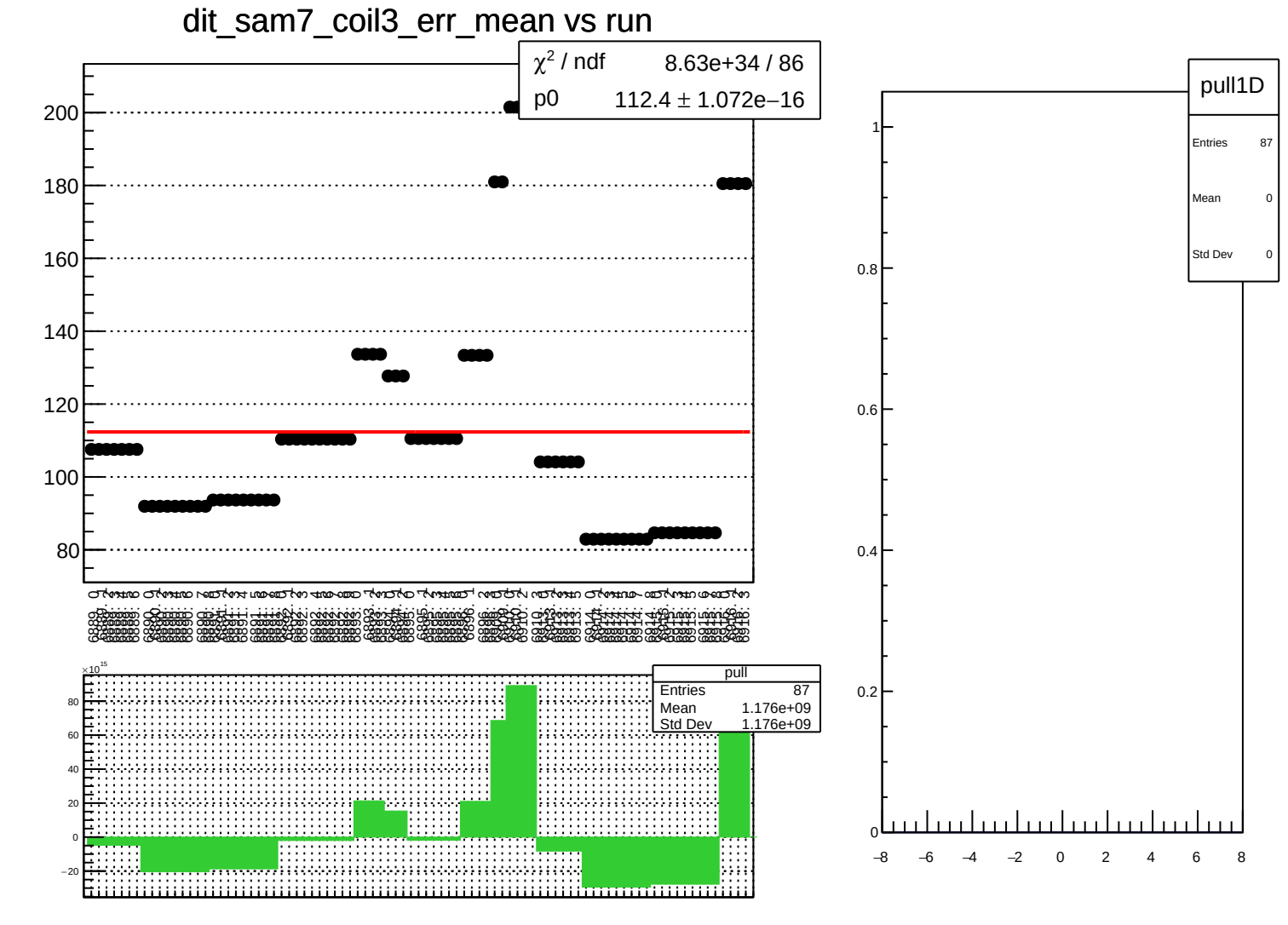

dit_sam6_coil3_err_mean vs run
χ² / ndf 1.208e+35 / 86
p0 144.3 ± 1.072e−16
pull
Entries 87
Mean 7.552e+08
Std Dev 7.552e+08

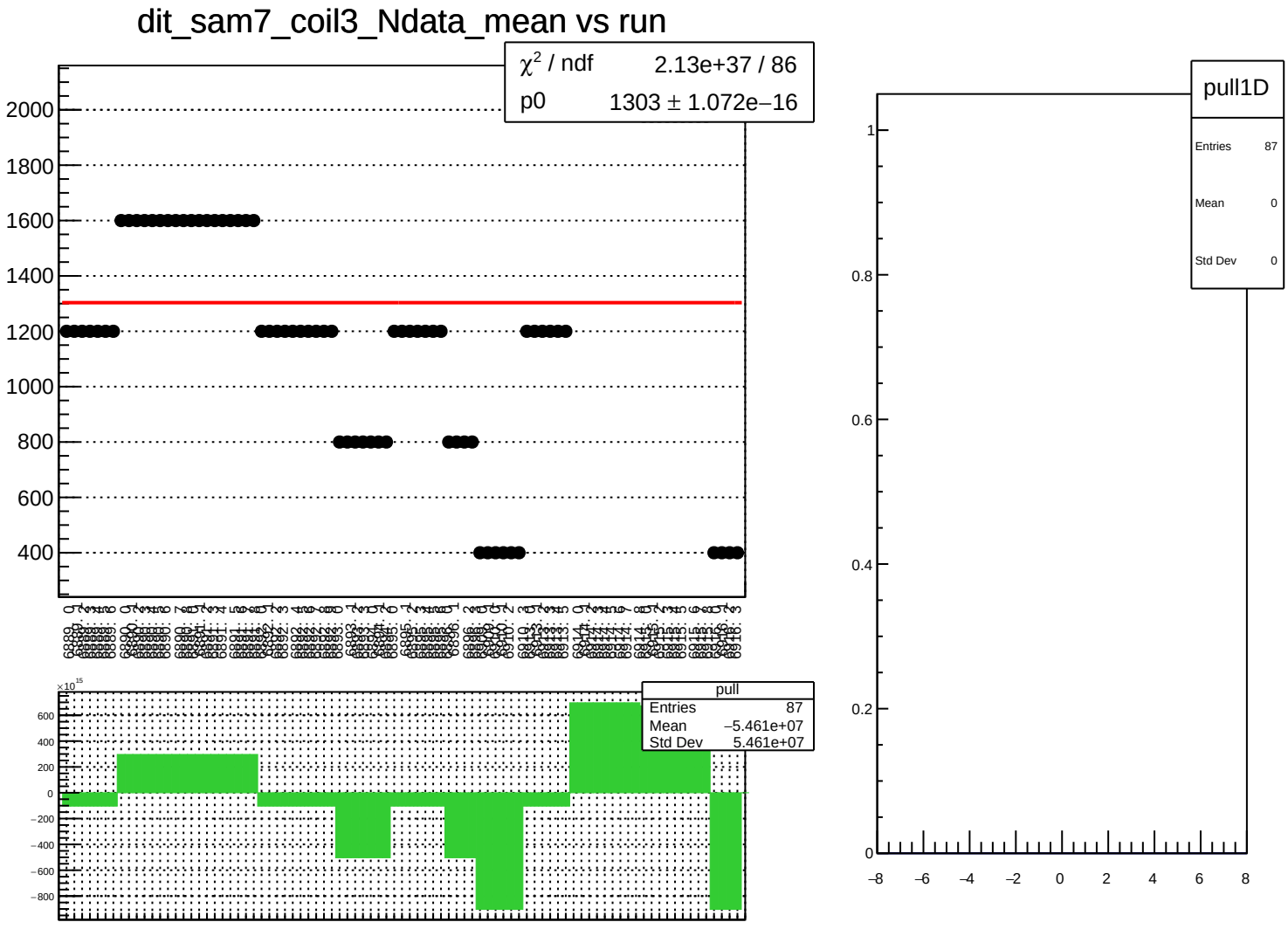

pull1D
Entries 87
Mean 0
Std Dev 0

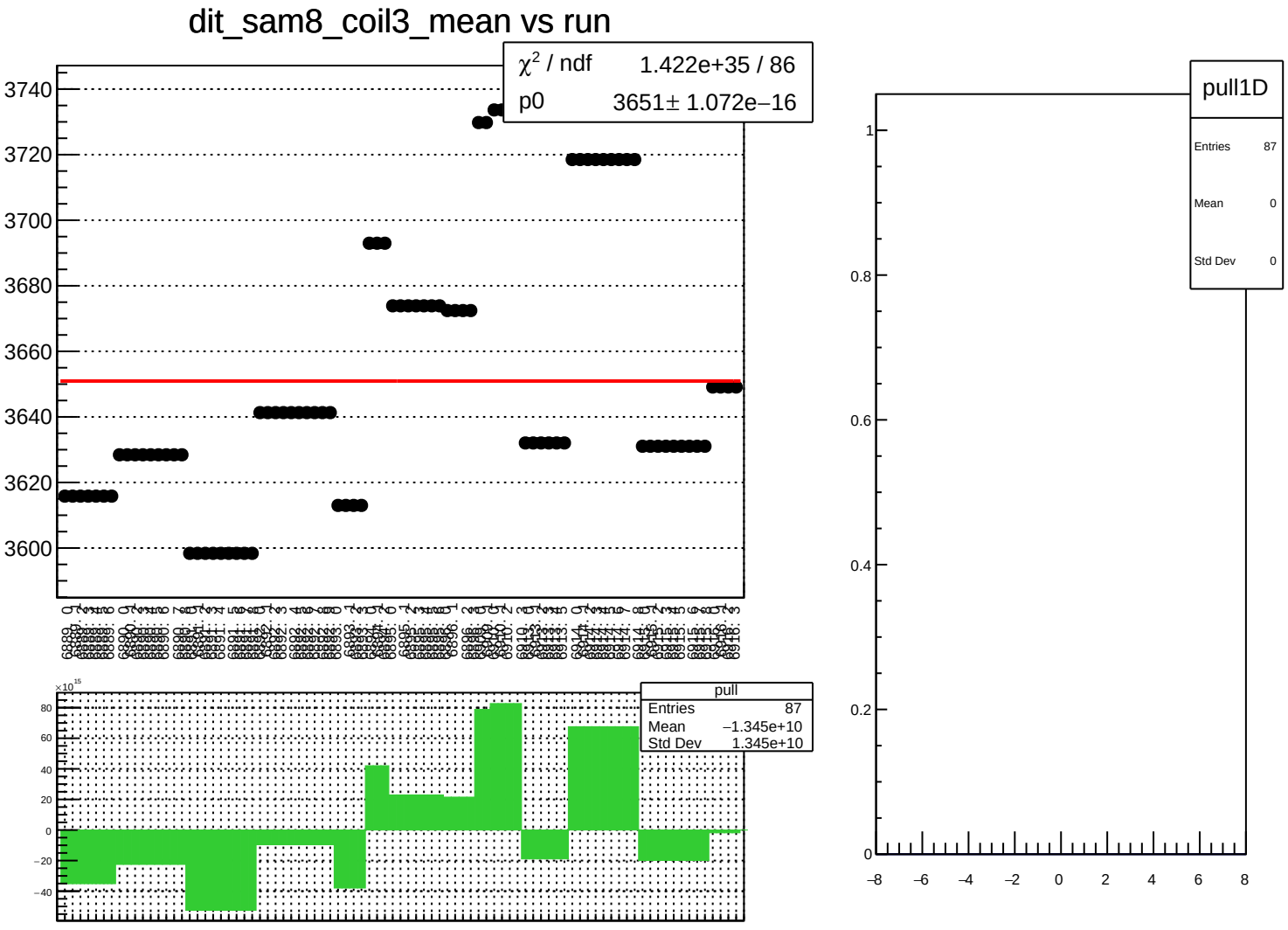

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

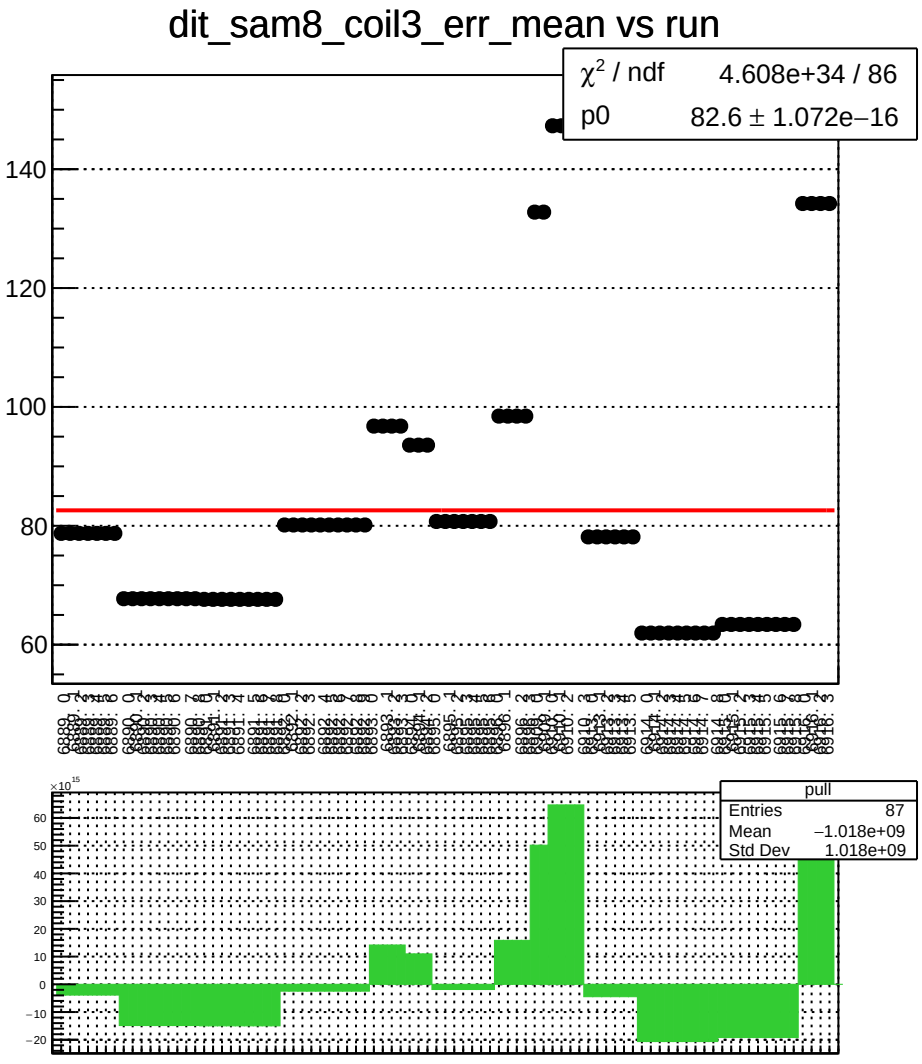

dit_sam7_coil3_mean vs run
χ^2 / ndf 2.653e+35 / 86
p0 4886 ± 1.072e−16
5000
4950
4900
4850
4800
pull
Entries 87
Mean 1.12e+08
Std Dev 1.12e+08
×10^15
120
100
80
60
40
20
0
−20
−40
−60
−80

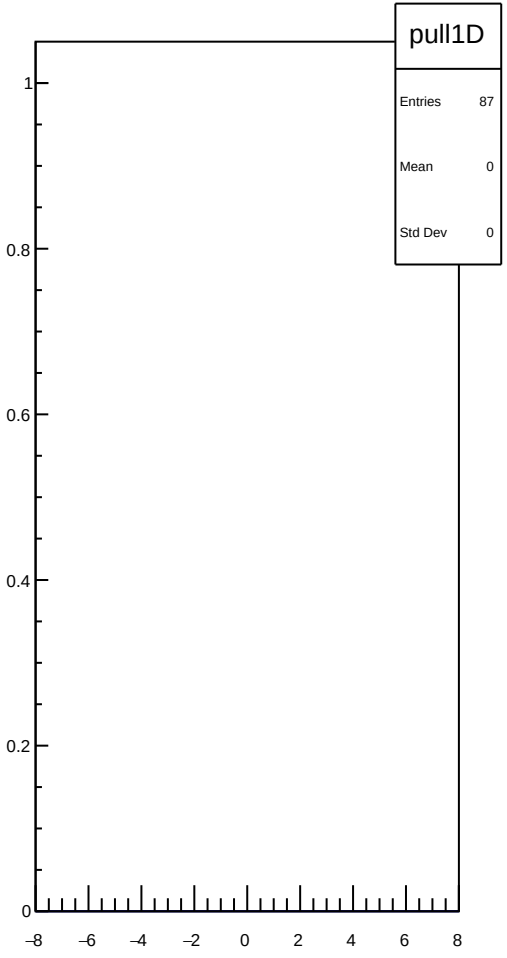

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

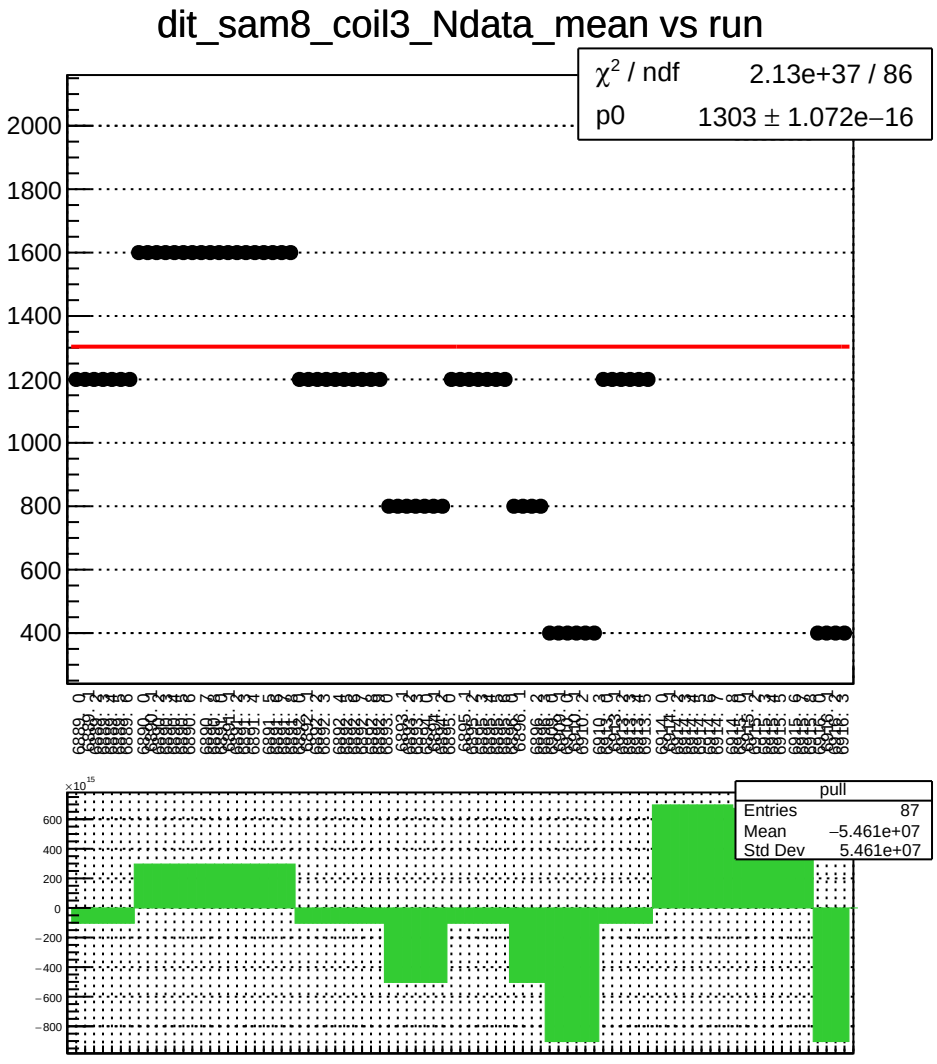

dit_sam7_coil3_err_mean vs run
χ² / ndf 8.63e+34 / 86
p0 112.4 ± 1.072e−16
200
180
160
140
120
100
80
×10¹⁵
80
60
40
20
0
−20
pull
Entries 87
Mean 1.176e+09
Std Dev 1.176e+09
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

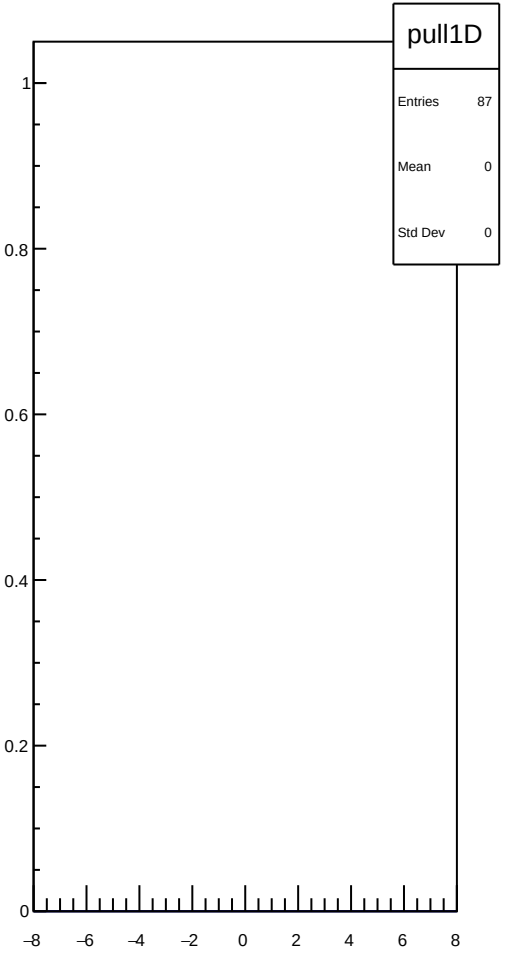

dit_sam7_coil3_Ndata_mean vs run
χ^2 / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

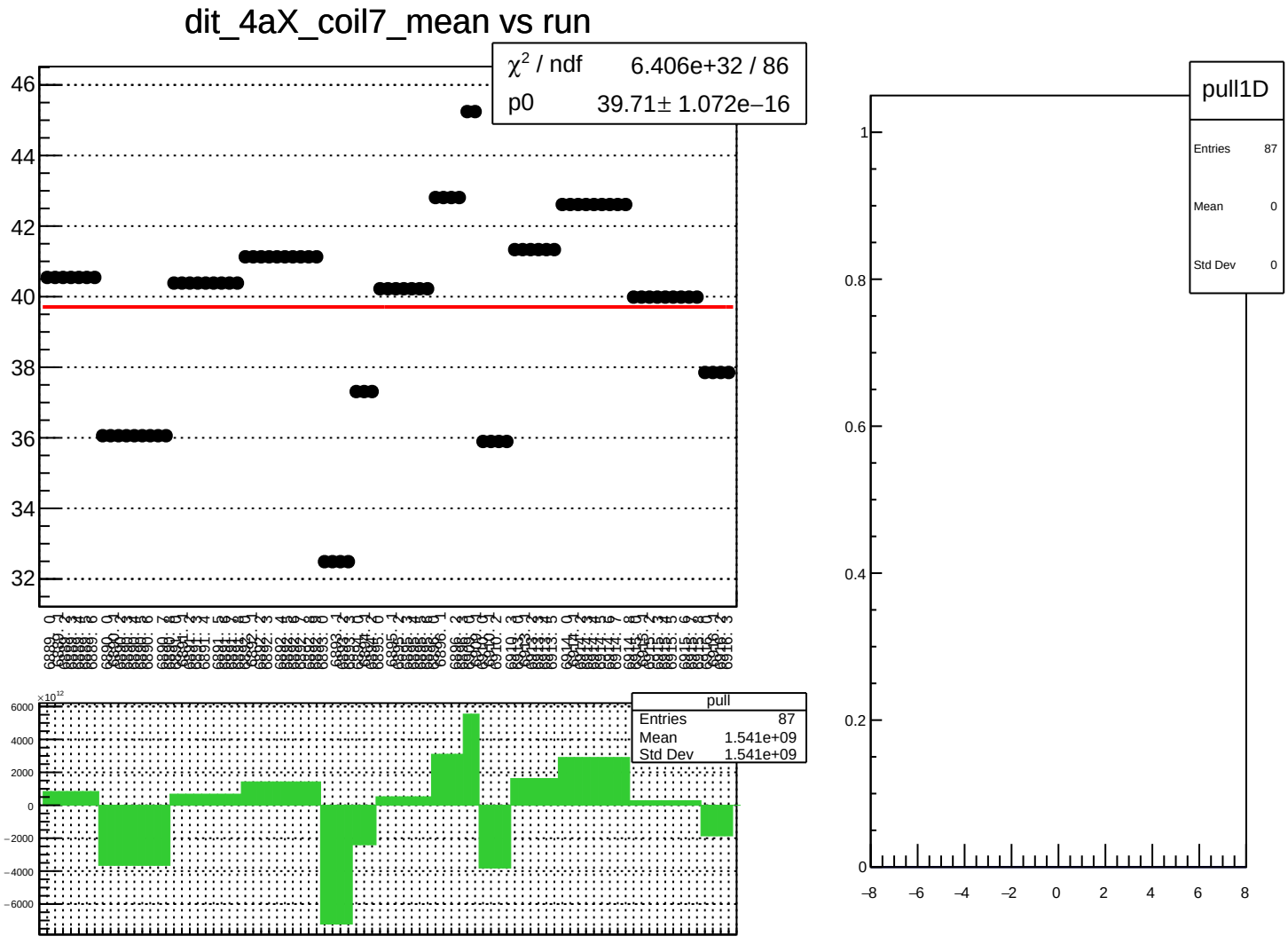

dit_sam8_coil3_mean vs run
χ² / ndf 1.422e+35 / 86
p0 3651± 1.072e−16
3740
3720
3700
3680
3660
3640
3620
3600
pull
Entries 87
Mean −1.345e+10
Std Dev 1.345e+10
×10¹⁵
80
60
40
20
0
−20
−40
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil3_err_mean vs run
χ² / ndf 4.608e+34 / 86
p0 82.6 ± 1.072e−16
140
120
100
80
60
pull
Entries 87
Mean −1.018e+09
Std Dev 1.018e+09
×10¹⁵
60
50
40
30
20
10
0
−10
−20

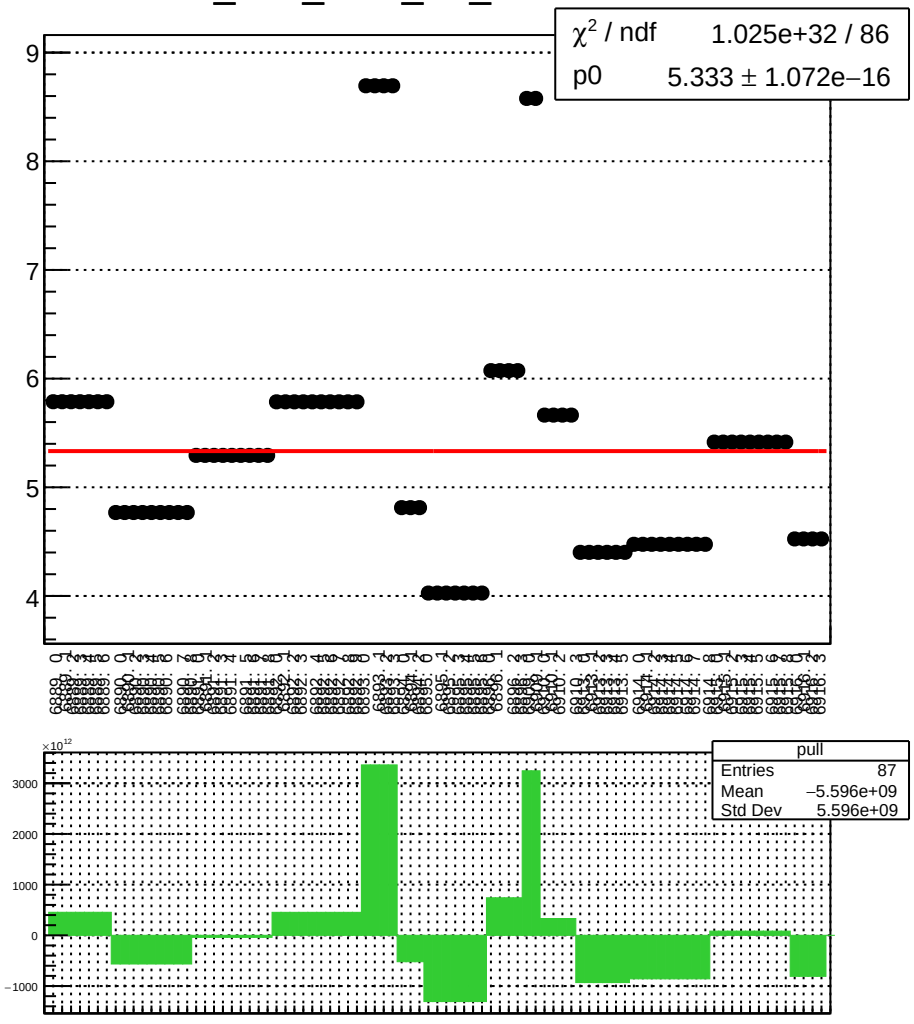

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

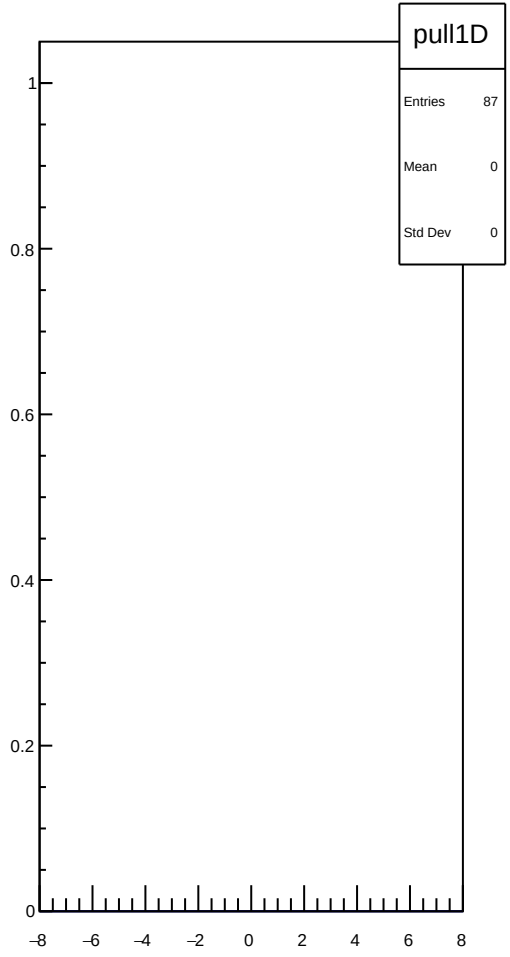

dit_sam8_coil3_Ndata_mean vs run
χ^2 / ndf 2.13e+37 / 86
p0 1303 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −5.461e+07
Std Dev 5.461e+07
×10^15
600
400
200
0
−200
−400
−600
−800


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

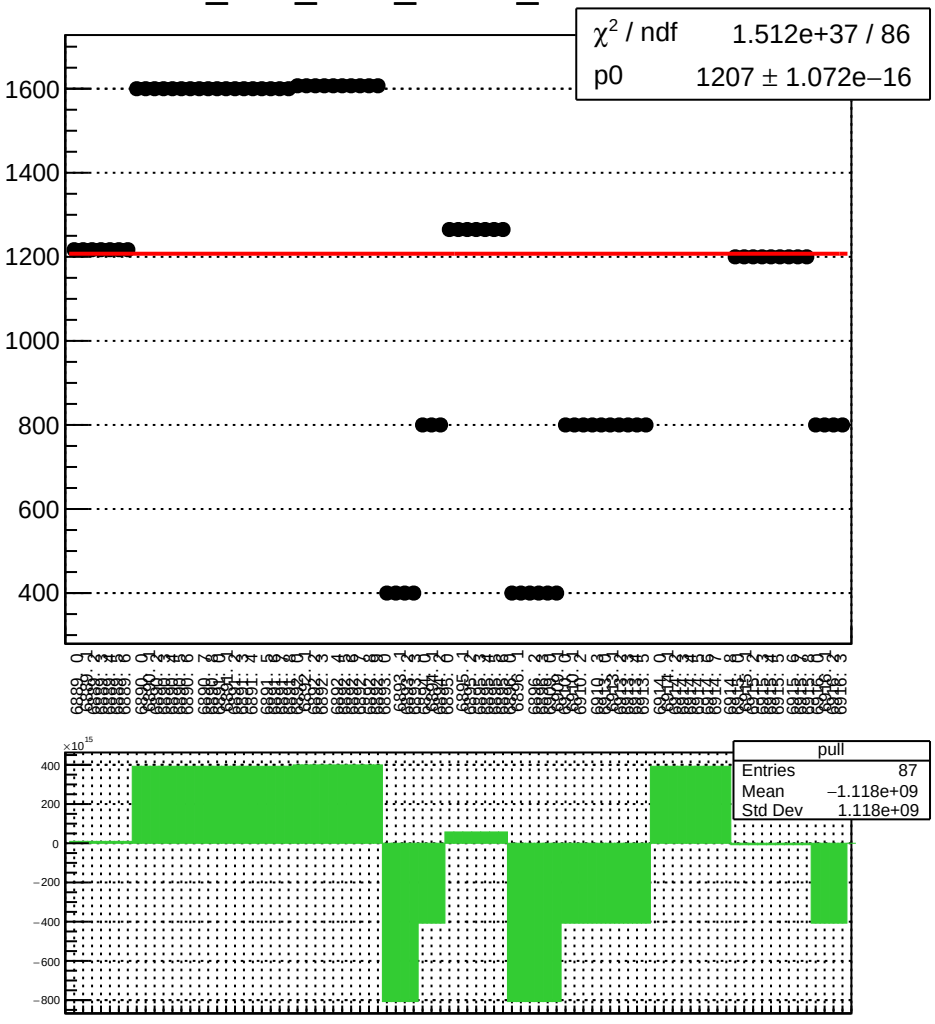

dit_4aX_coil7_mean vs run
χ^2 / ndf 6.406e+32 / 86
p0 39.71± 1.072e−16
46
44
42
40
38
36
34
32
pull
Entries 87
Mean 1.541e+09
Std Dev 1.541e+09
×10^12
6000
4000
2000
0
−2000
−4000
−6000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

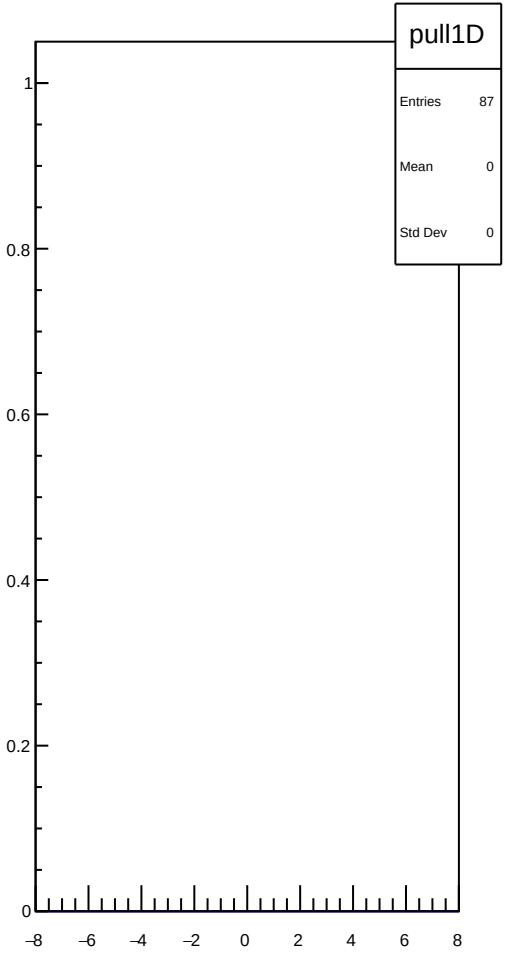
dit_4aX_coil7_err_mean vs run

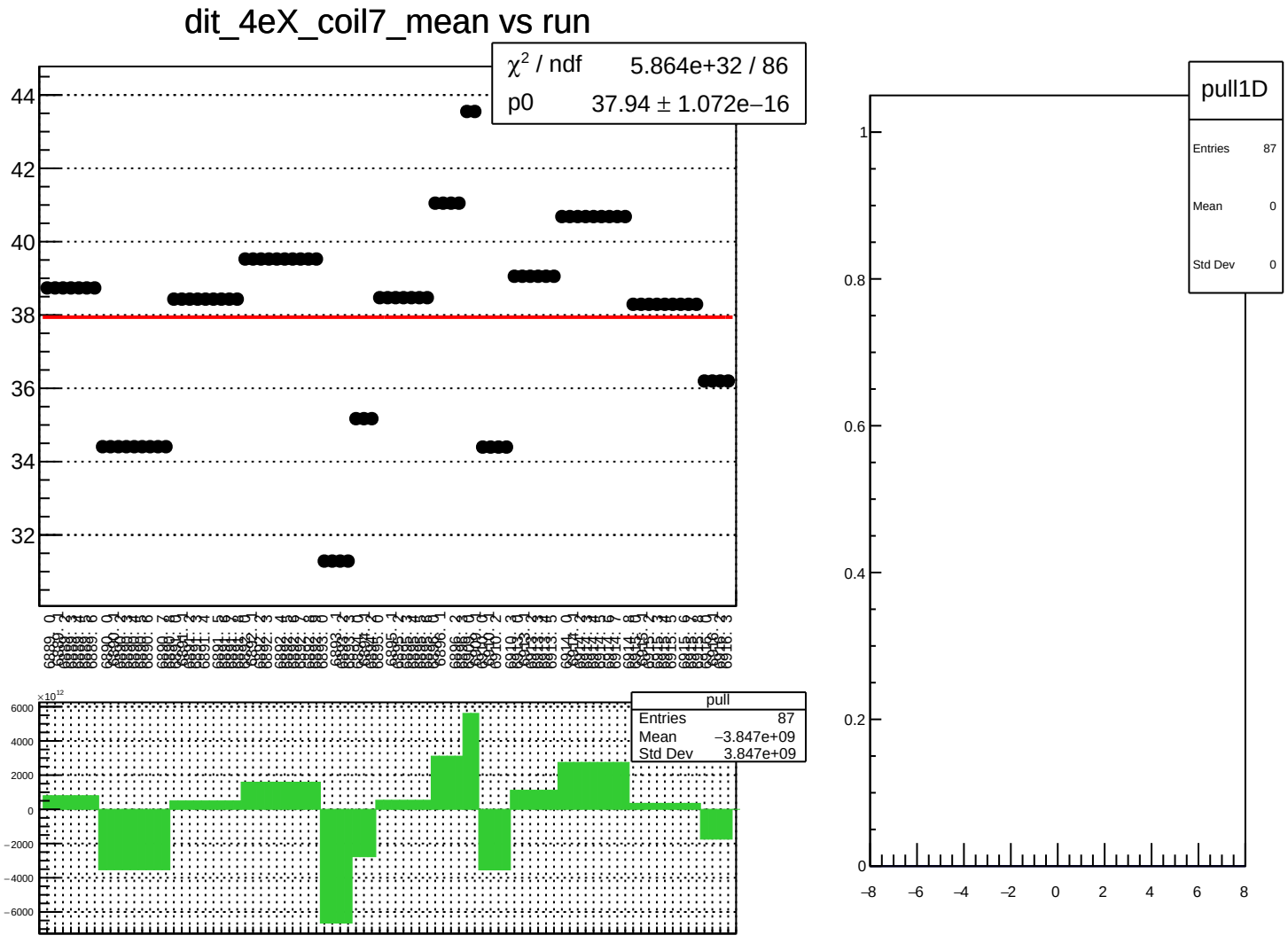


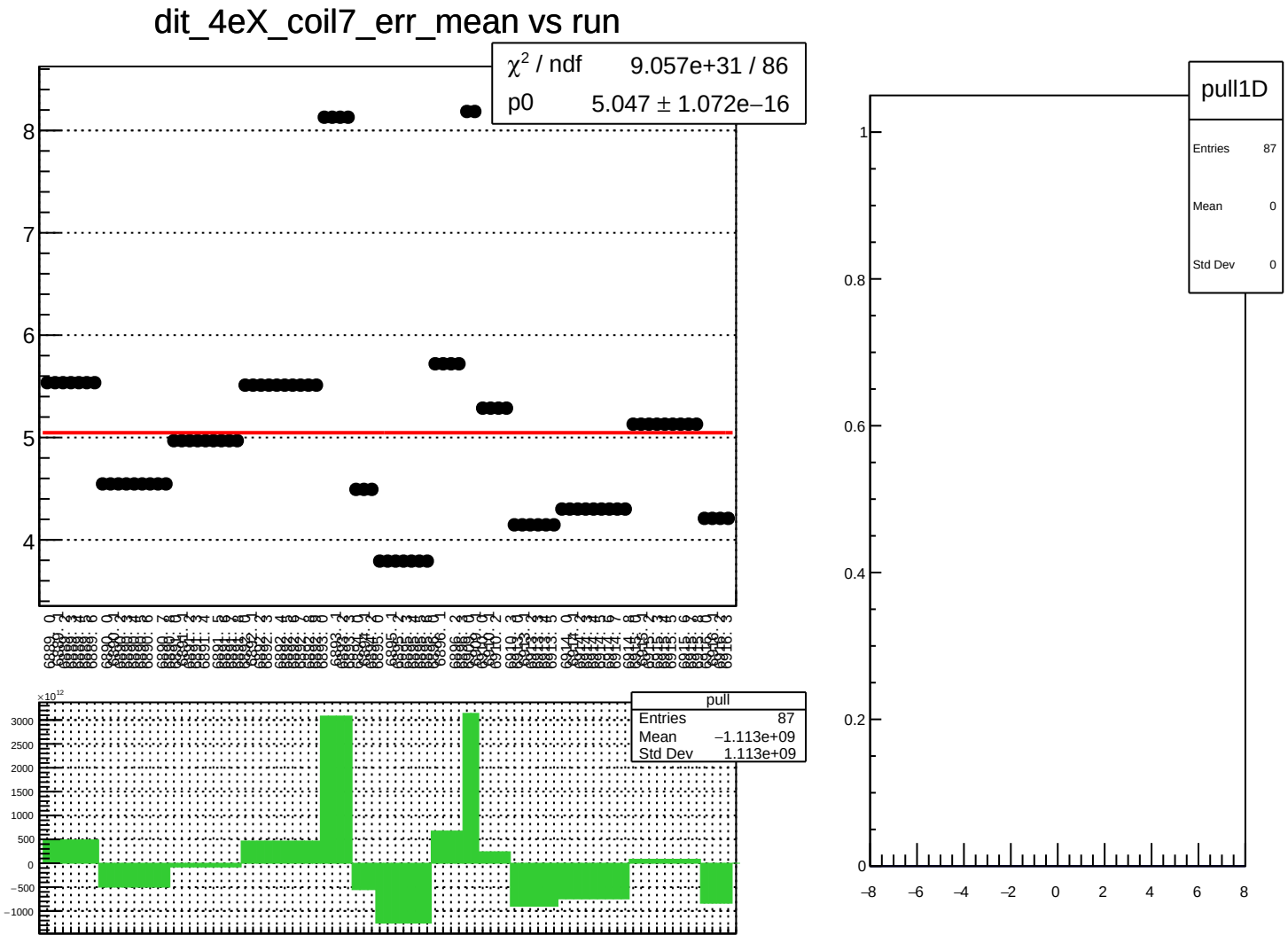


dit_4aX_coil7_Ndata_mean vs run

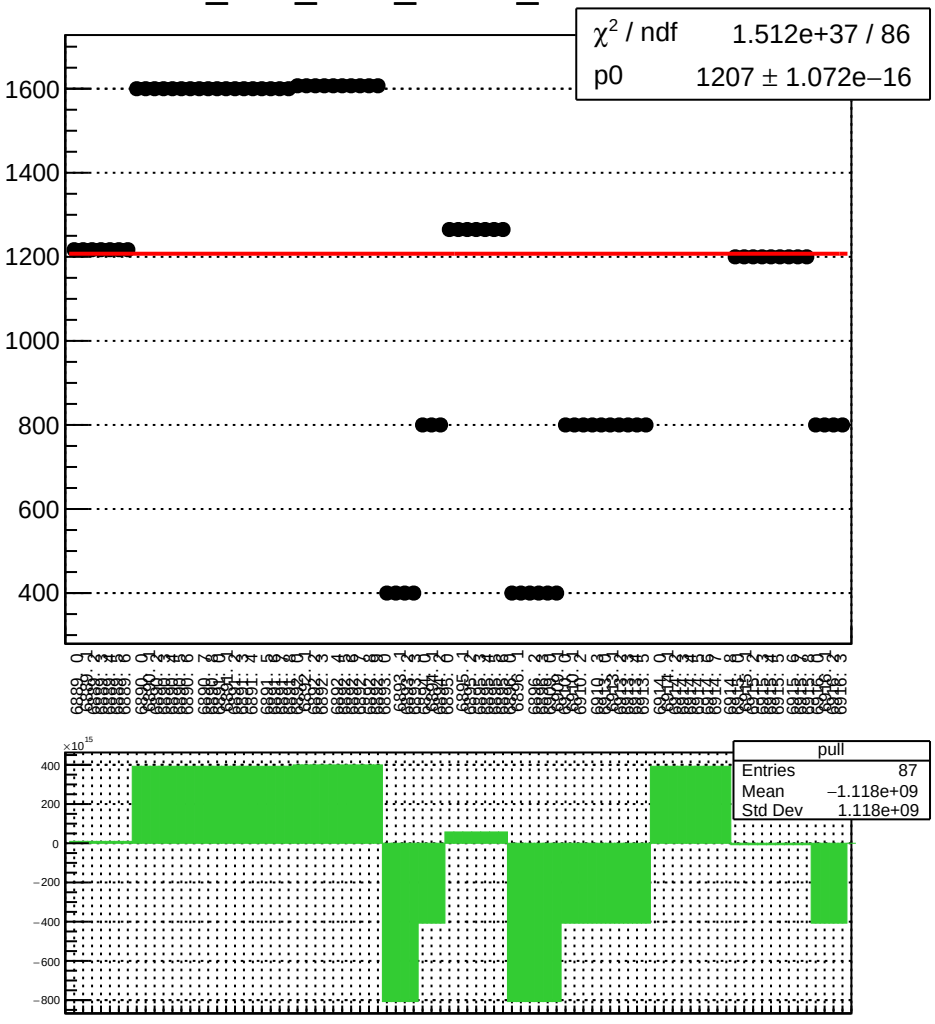


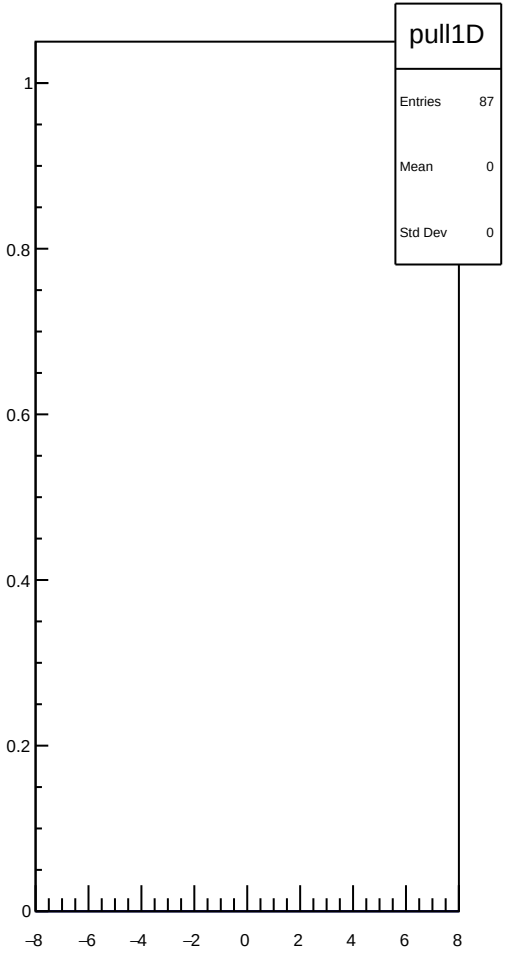


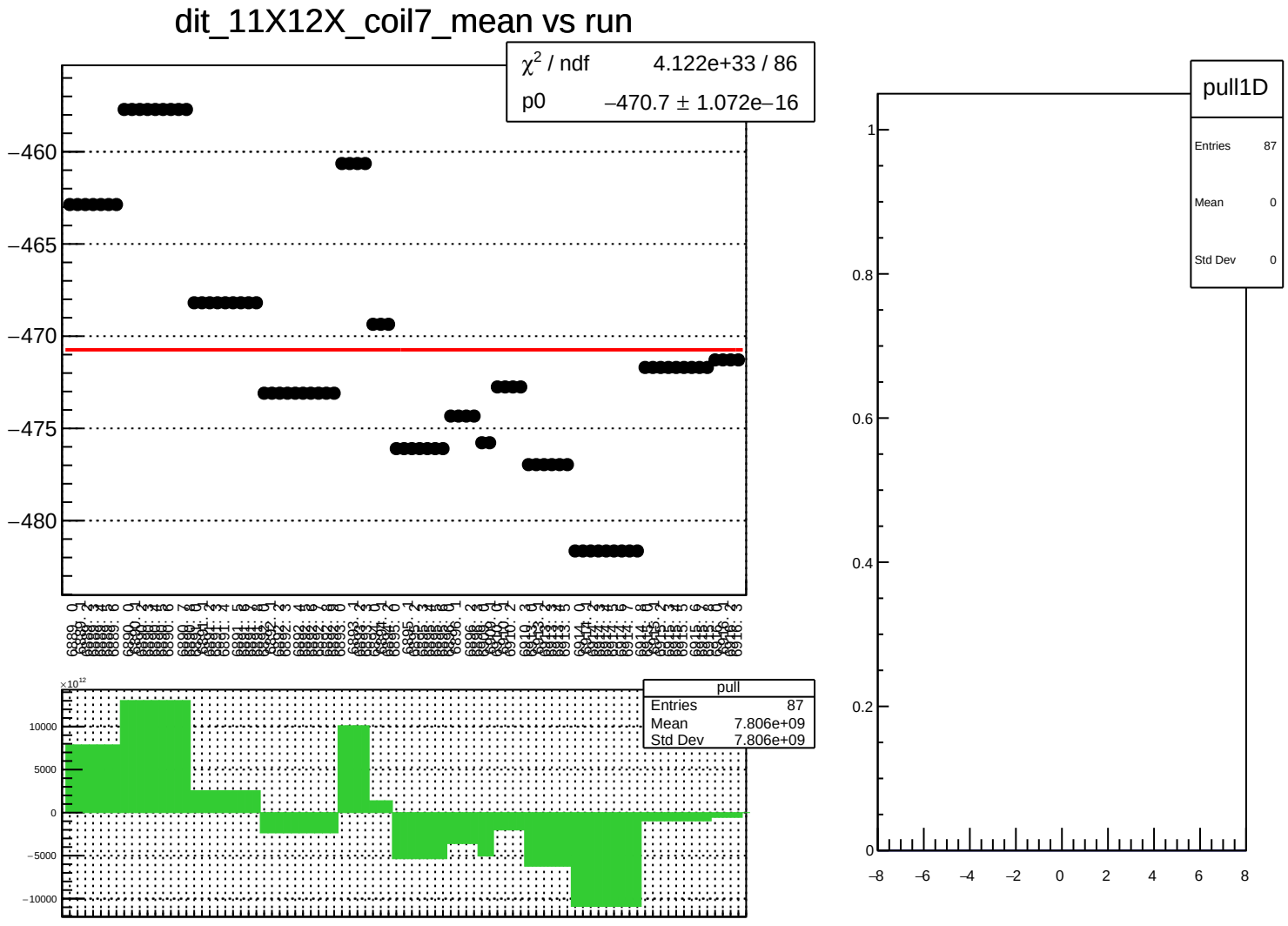

dit_4eX_coil7_mean vs run
χ^2 / ndf 5.864e+32 / 86
p0 37.94 ± 1.072e−16
44
42
40
38
36
34
32
pull
Entries 87
Mean −3.847e+09
Std Dev 3.847e+09
×10^12
6000
4000
2000
0
−2000
−4000
−6000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

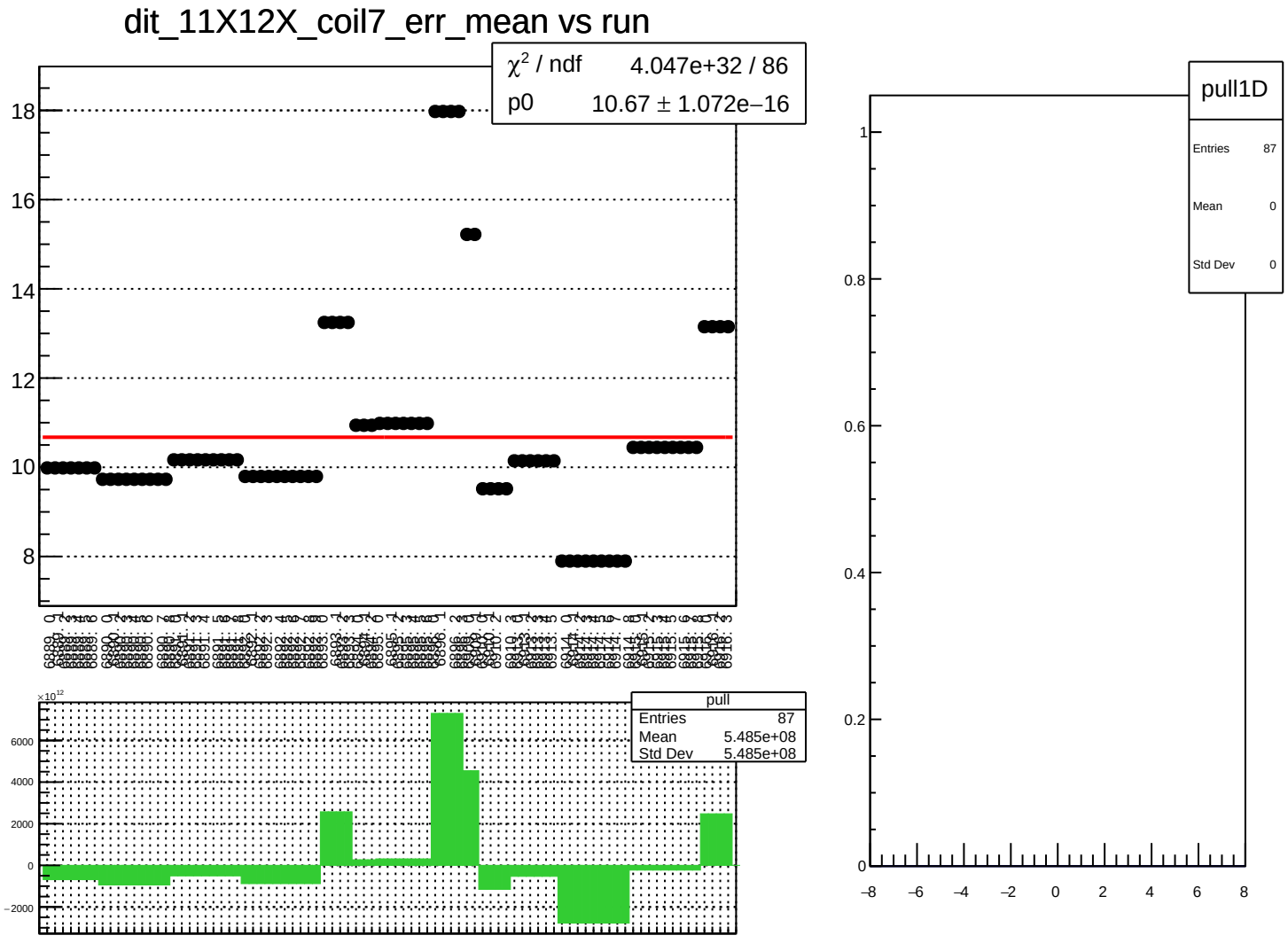

dit_4eX_coil7_err_mean vs run
χ^2 / ndf 9.057e+31 / 86
p0 5.047 ± 1.072e−16
pull
Entries 87
Mean −1.113e+09
Std Dev 1.113e+09
pull1D
Entries 87
Mean 0
Std Dev 0

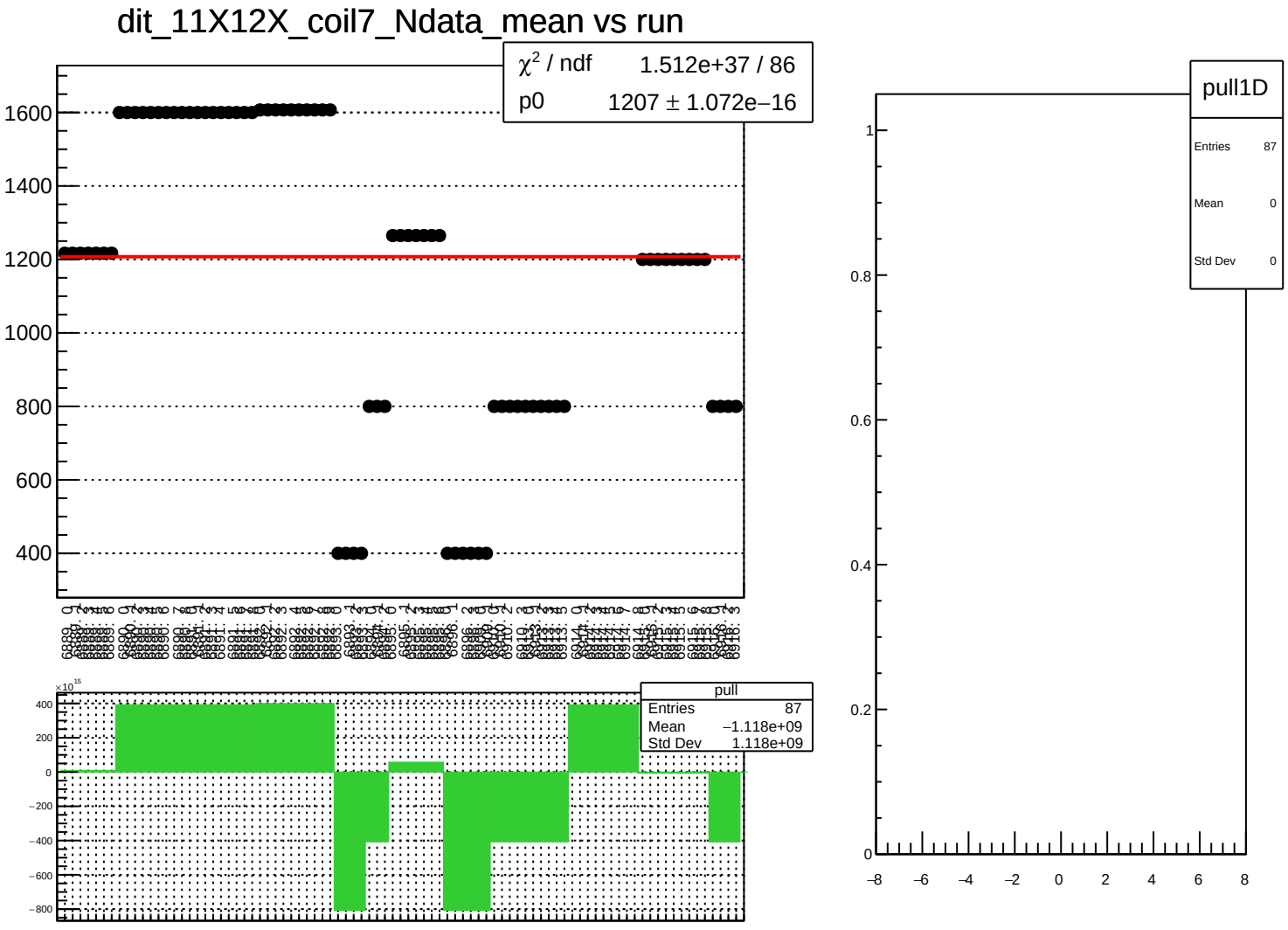
dit_4eX_coil7_Ndata_mean vs run

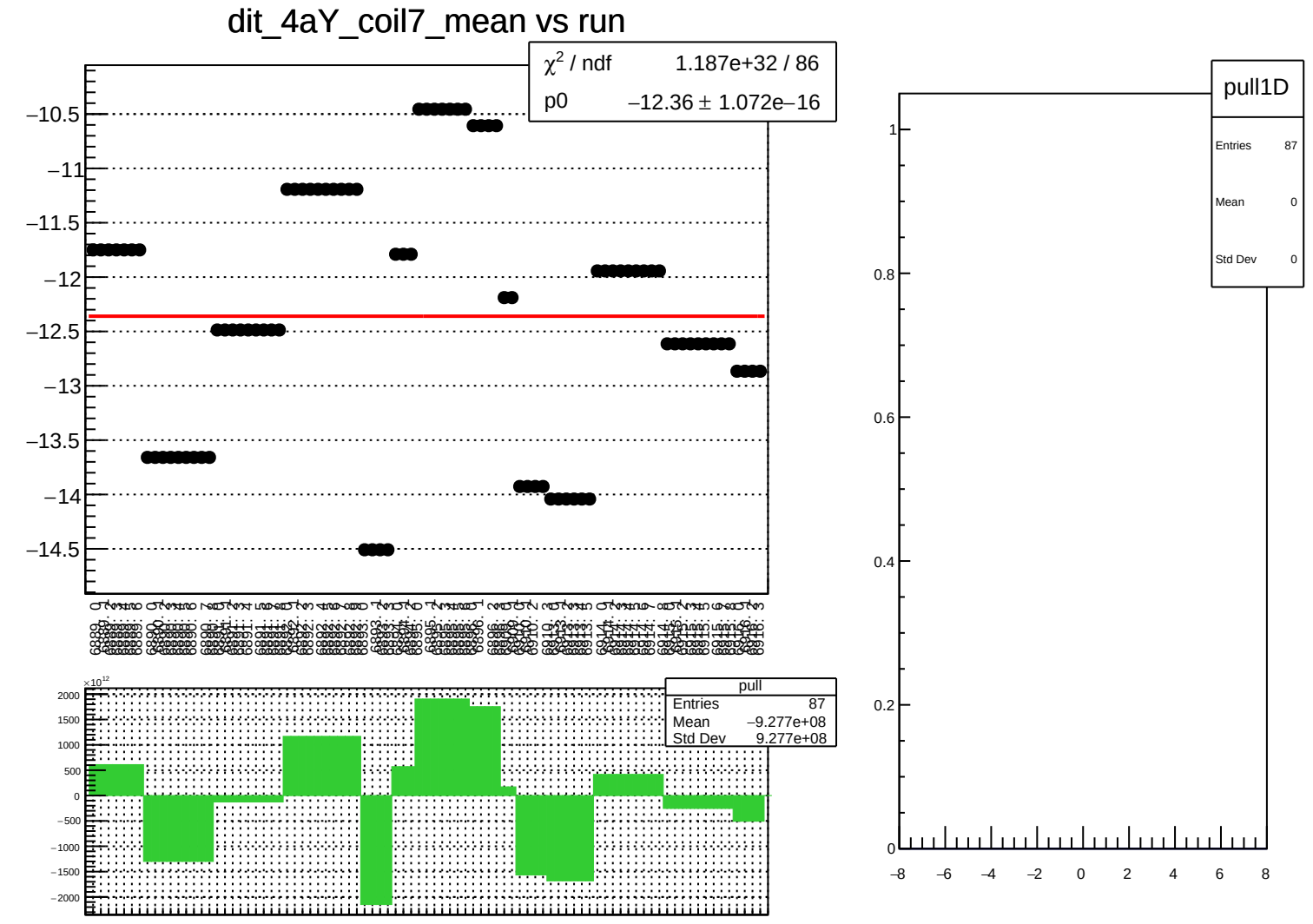


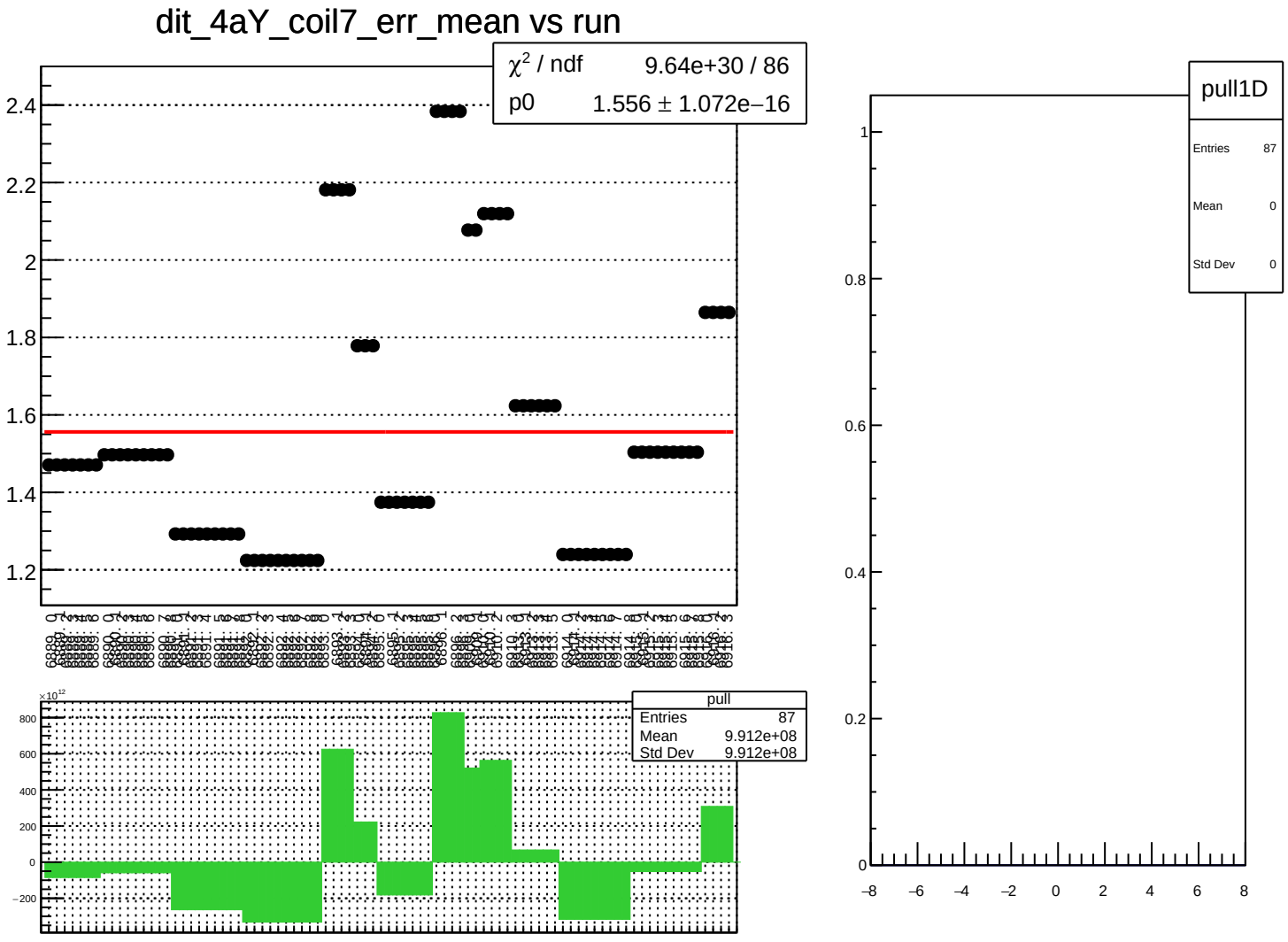


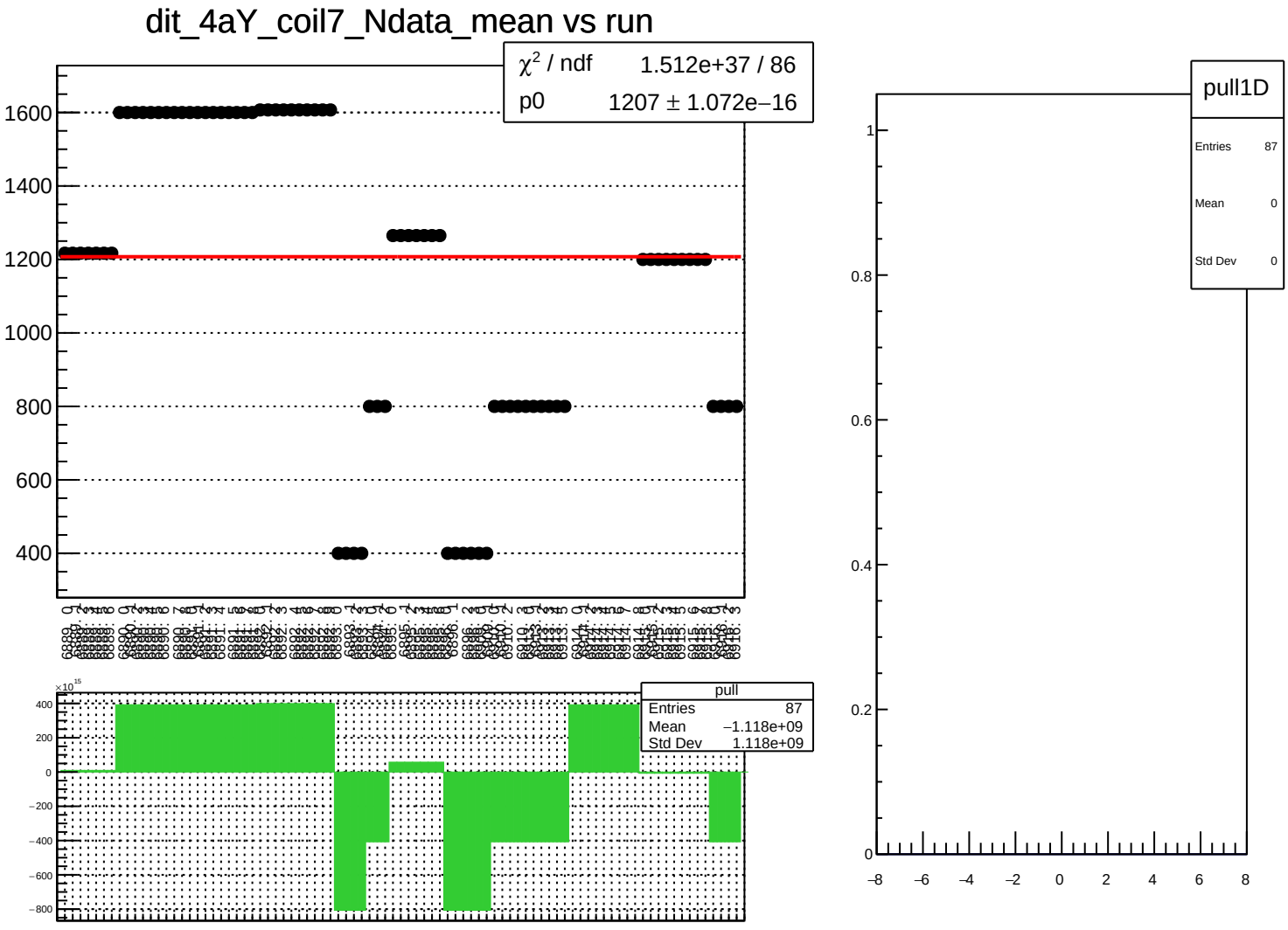

dit_11X12X_coil7_mean vs run
χ² / ndf 4.122e+33 / 86
p0 −470.7 ± 1.072e−16
−460
−465
−470
−475
−480
pull
Entries 87
Mean 7.806e+09
Std Dev 7.806e+09
×10¹²
10000
5000
0
−5000
−10000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

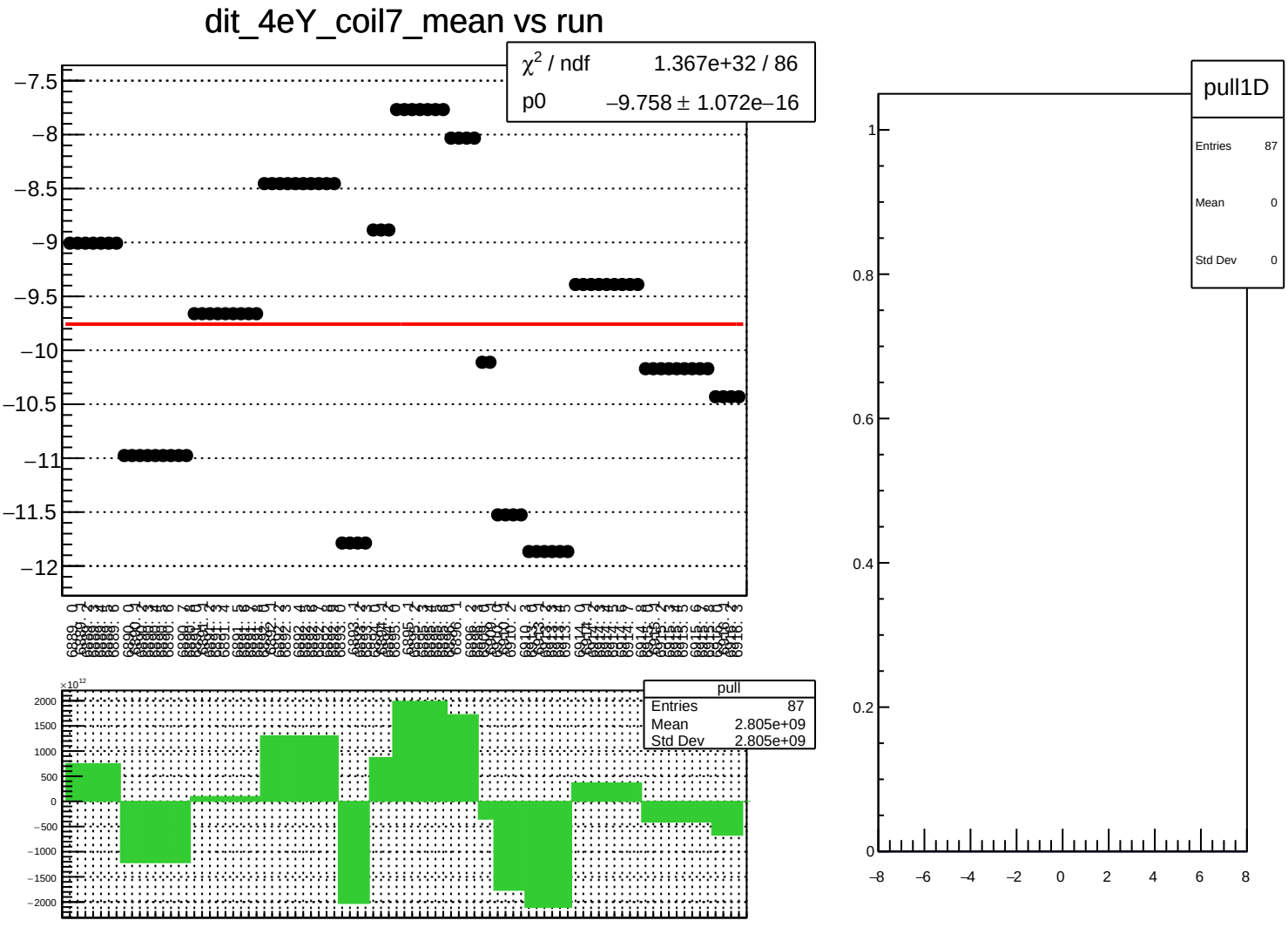

dit_11X12X_coil7_err_mean vs run
χ² / ndf 4.047e+32 / 86
p0 10.67 ± 1.072e−16
pull
Entries 87
Mean 5.485e+08
Std Dev 5.485e+08
pull1D
Entries 87
Mean 0
Std Dev 0

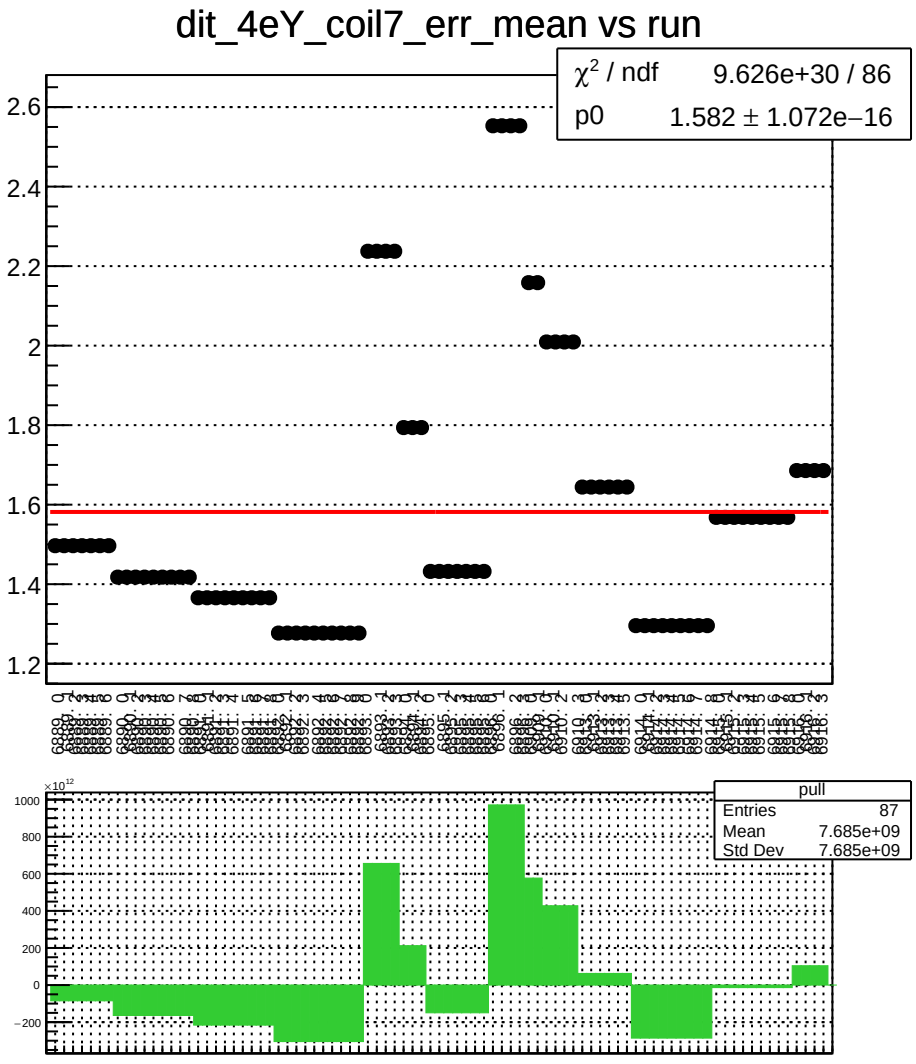

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

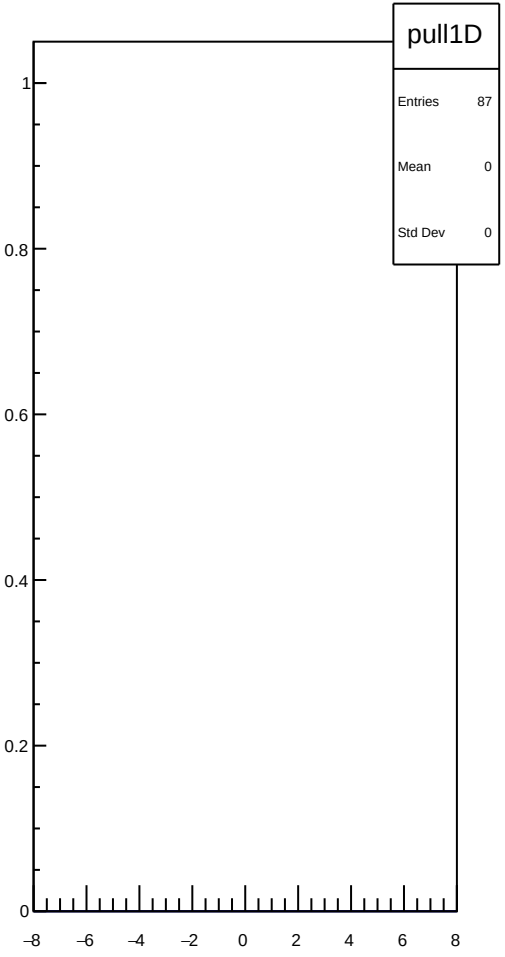

dit_4aY_coil7_mean vs run
χ2 / ndf 1.187e+32 / 86
p0 −12.36 ± 1.072e−16
−10.5
−11
−11.5
−12
−12.5
−13
−13.5
−14
−14.5
pull
Entries 87
Mean −9.277e+08
Std Dev 9.277e+08
×10^12
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

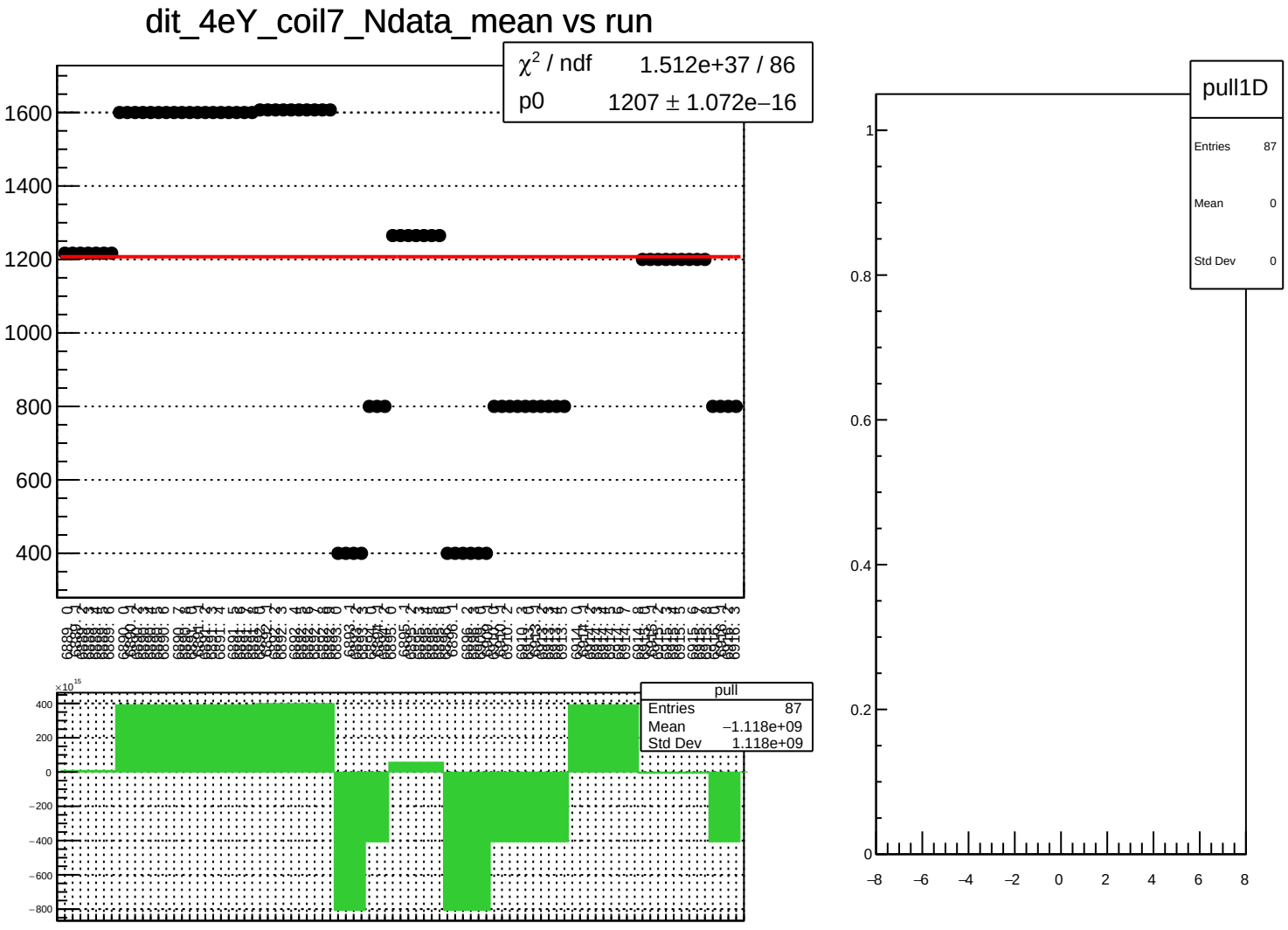

dit_4aY_coil7_err_mean vs run
χ^2 / ndf 9.64e+30 / 86
p0 1.556 ± 1.072e−16
2.4
2.2
2
1.8
1.6
1.4
1.2
pull
Entries 87
Mean 9.912e+08
Std Dev 9.912e+08
×10^12
800
600
400
200
0
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

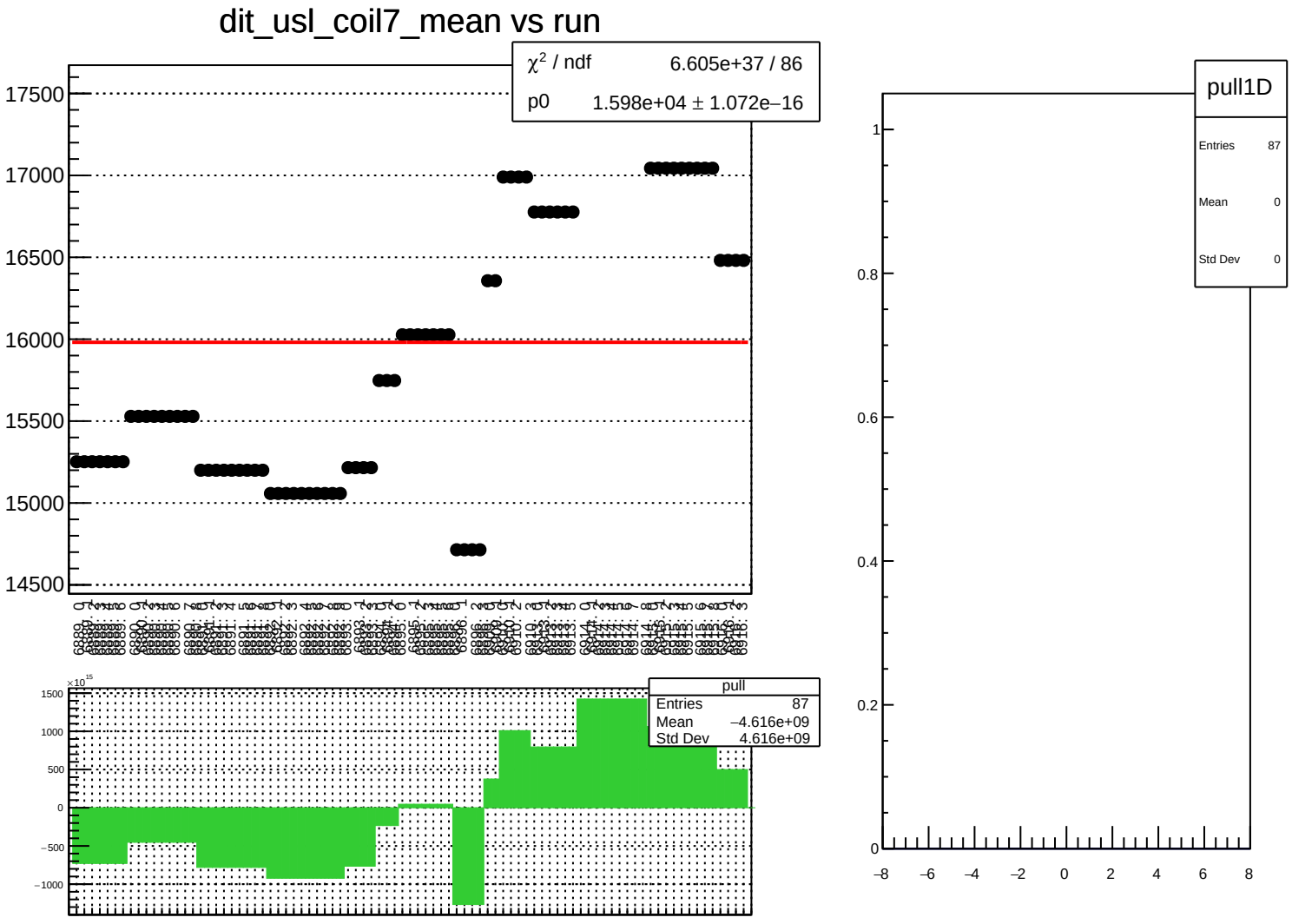

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

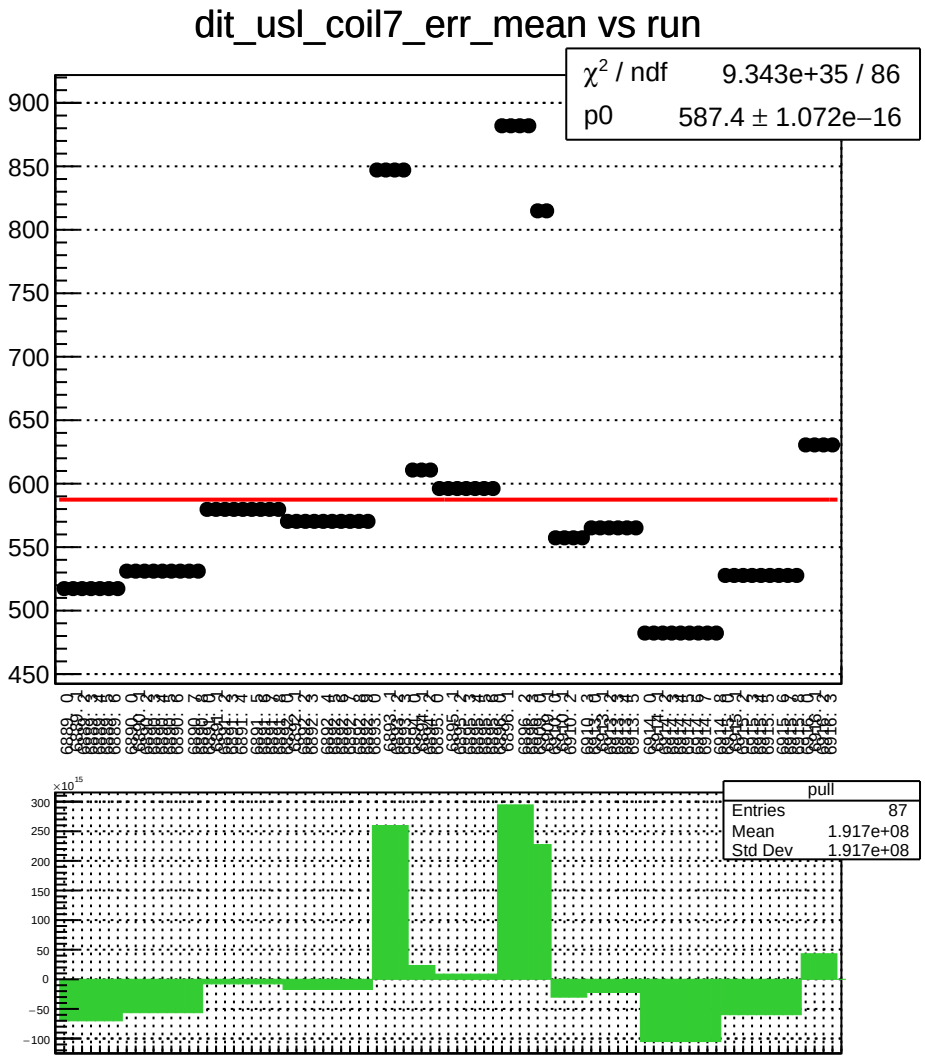

dit_4eY_coil7_mean vs run
χ² / ndf 1.367e+32 / 86
p0 −9.758 ± 1.072e−16
pull
Entries 87
Mean 2.805e+09
Std Dev 2.805e+09
pull1D
Entries 87
Mean 0
Std Dev 0

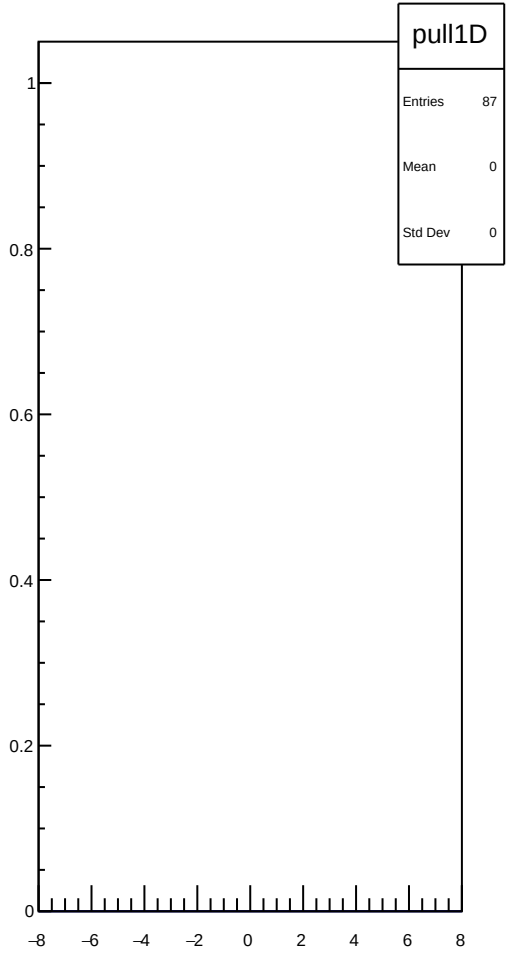

dit_4eY_coil7_err_mean vs run
χ^2 / ndf 9.626e+30 / 86
p0 1.582 ± 1.072e−16
pull
Entries 87
Mean 7.685e+09
Std Dev 7.685e+09

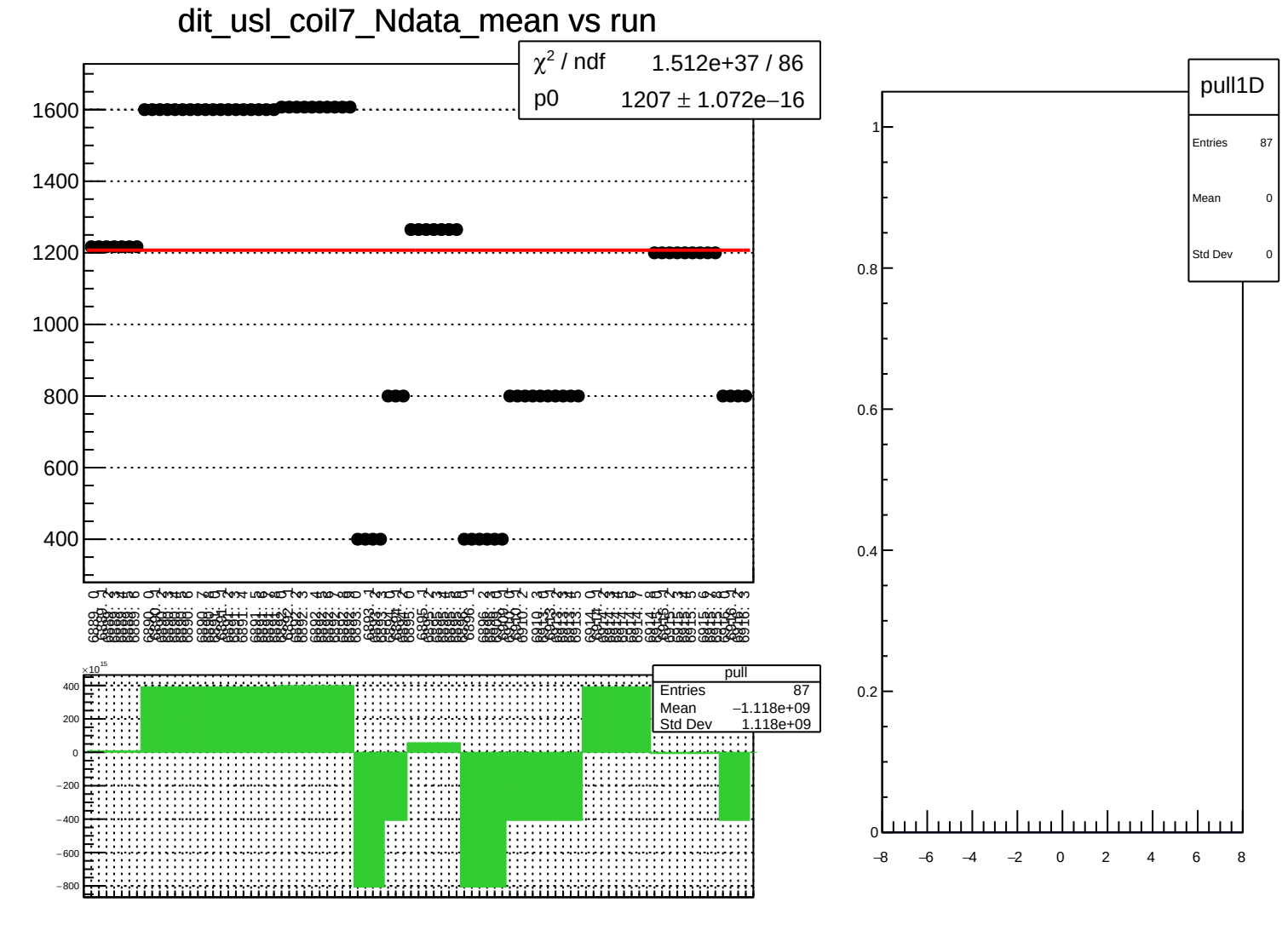

pull1D
Entries 87
Mean 0
Std Dev 0

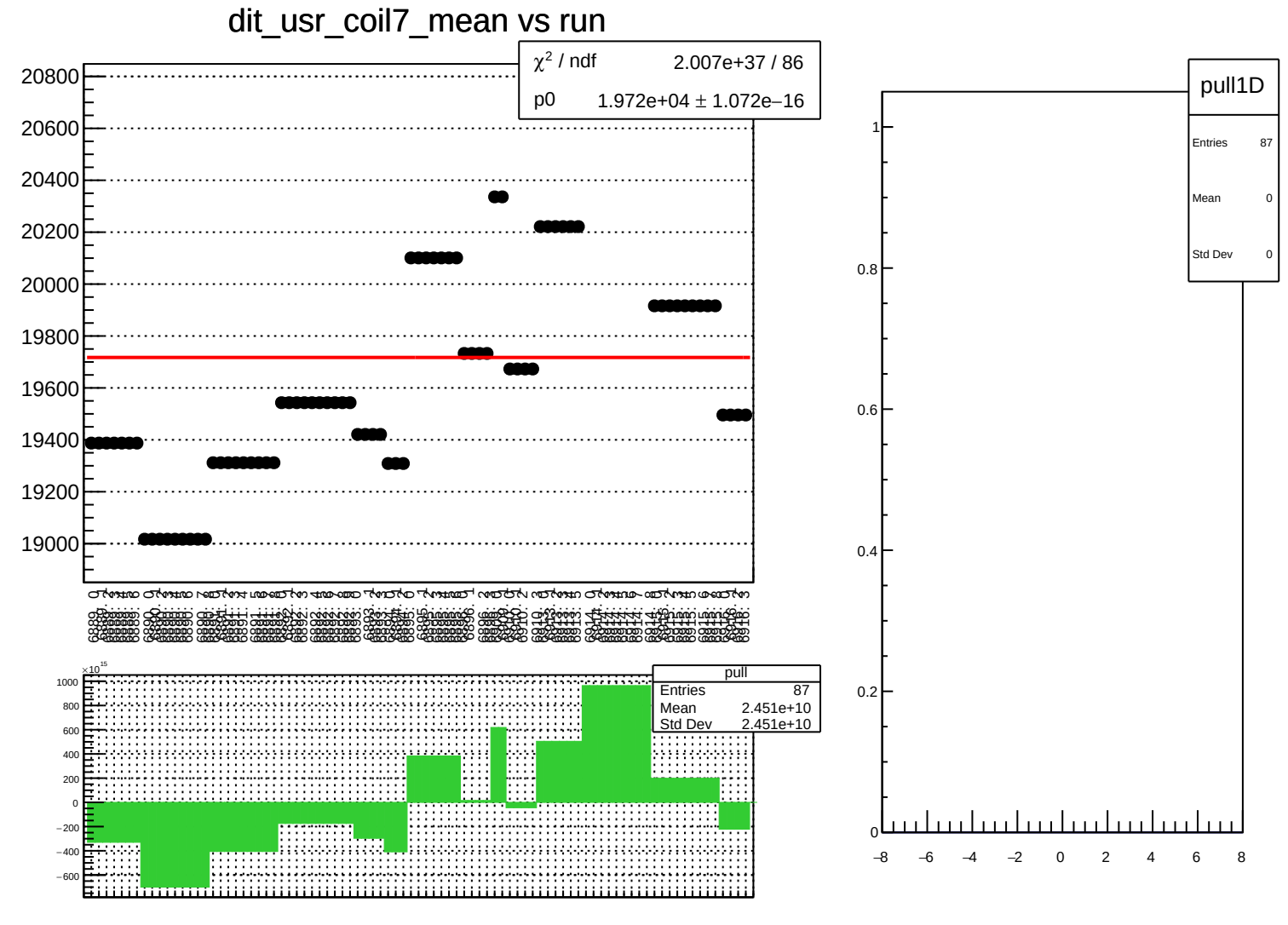

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

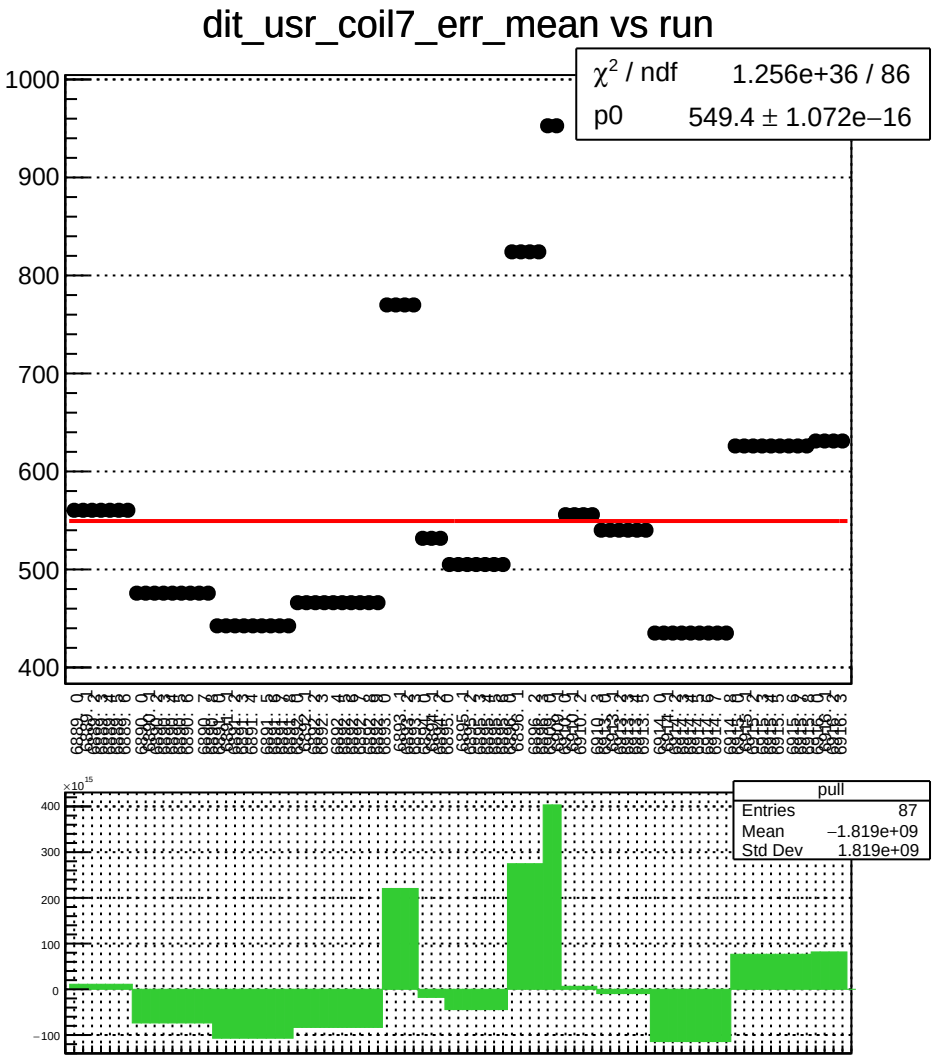

dit_usl_coil7_mean vs run
χ² / ndf 6.605e+37 / 86
p0 1.598e+04 ± 1.072e−16
17500
17000
16500
16000
15500
15000
14500
pull
Entries 87
Mean −4.616e+09
Std Dev 4.616e+09
×10¹⁵
1500
1000
500
0
−500
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

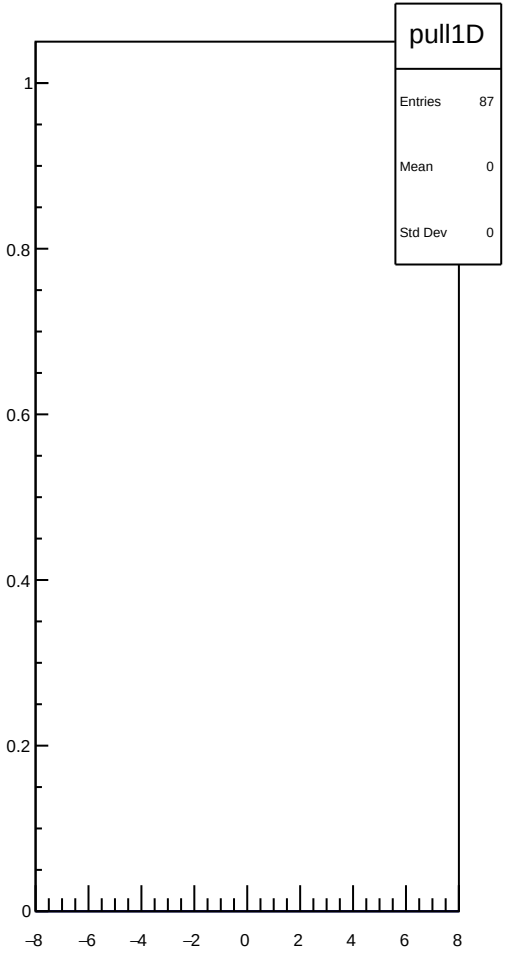

dit_usl_coil7_err_mean vs run
χ² / ndf 9.343e+35 / 86
p0 587.4 ± 1.072e−16
pull
Entries 87
Mean 1.917e+08
Std Dev 1.917e+08

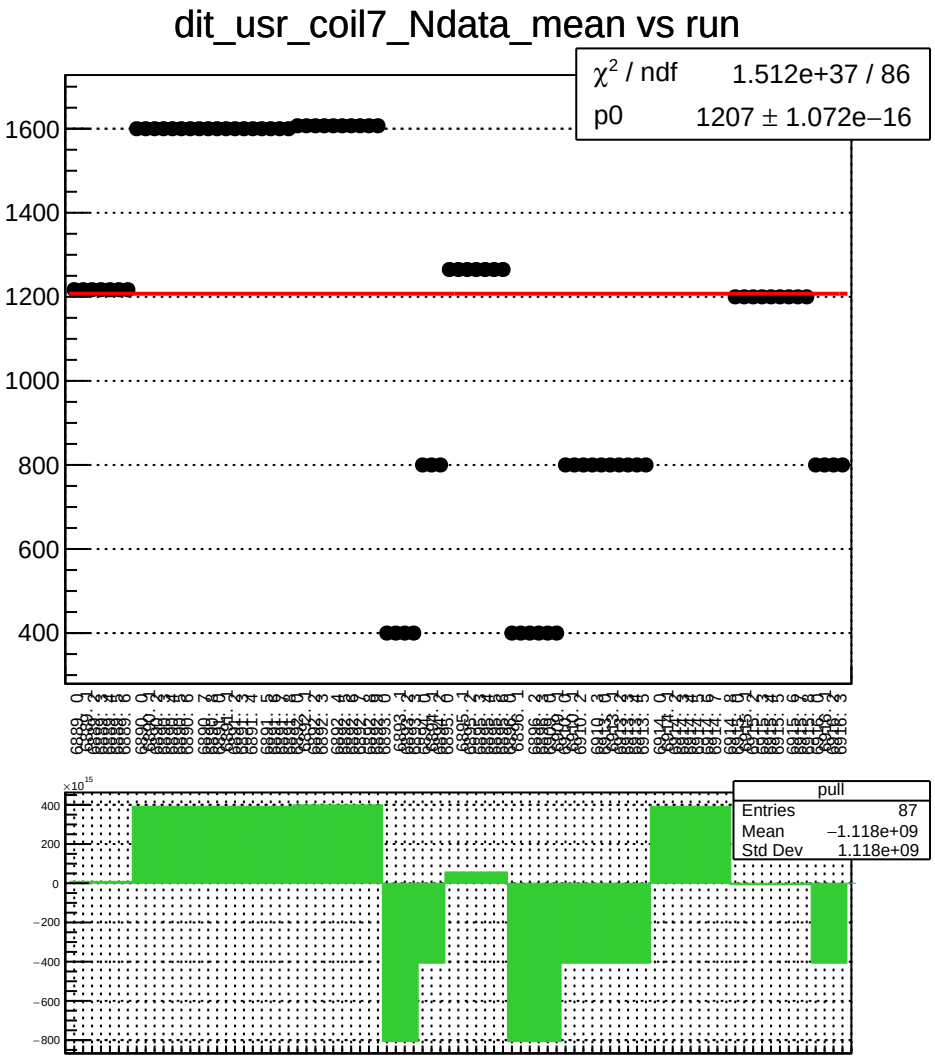

pull1D
Entries 87
Mean 0
Std Dev 0

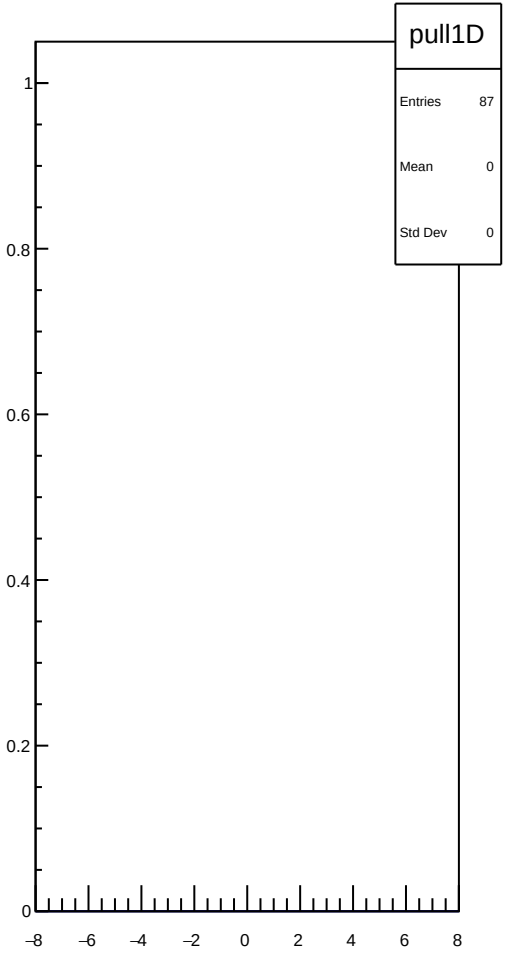

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
×10¹⁵
400
200
0
−200
−400
−600
−800
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

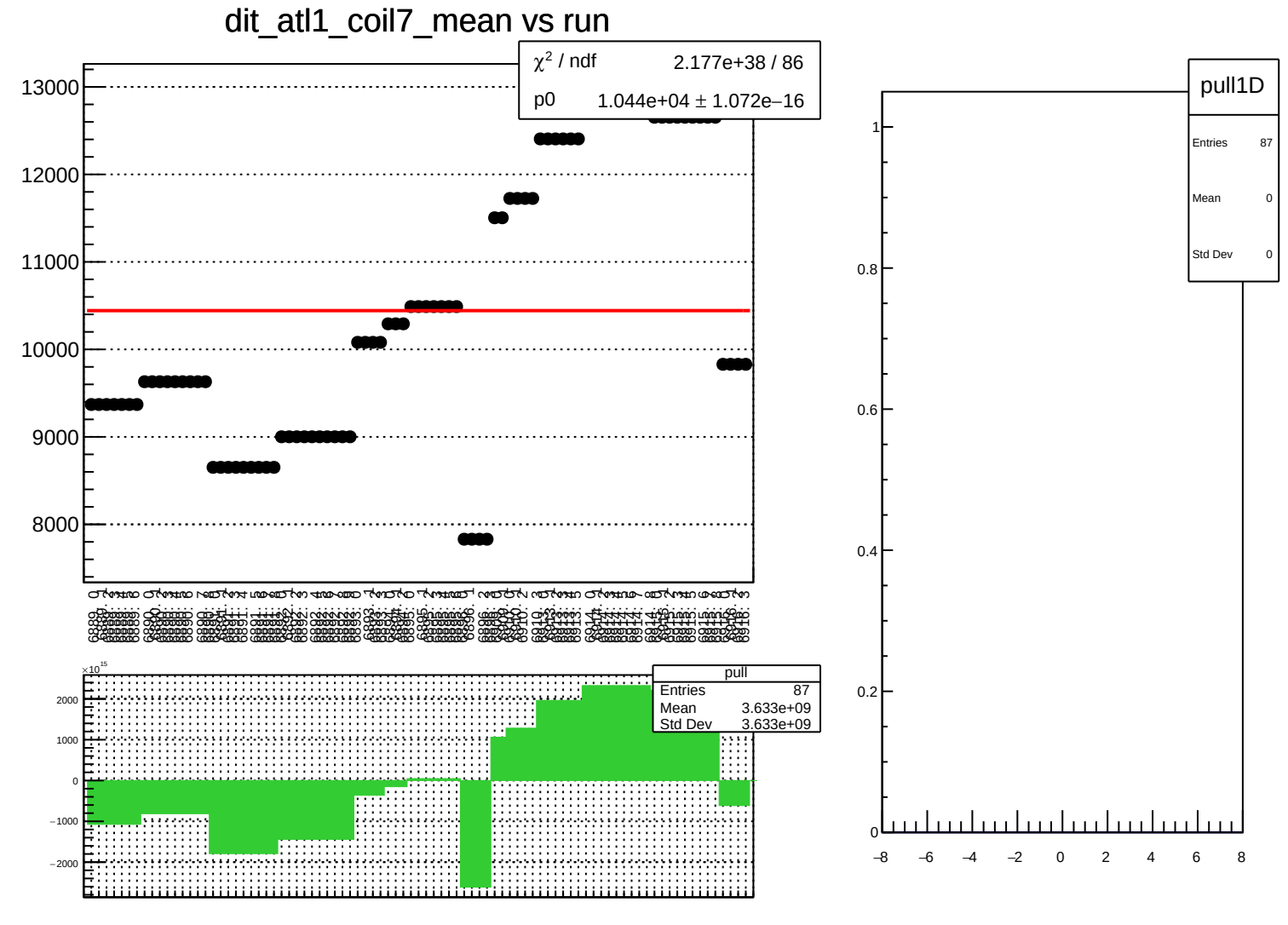

dit_usr_coil7_mean vs run
χ² / ndf 2.007e+37 / 86
p0 1.972e+04 ± 1.072e−16
20800
20600
20400
20200
20000
19800
19600
19400
19200
19000
pull
Entries 87
Mean 2.451e+10
Std Dev 2.451e+10
×10^15
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

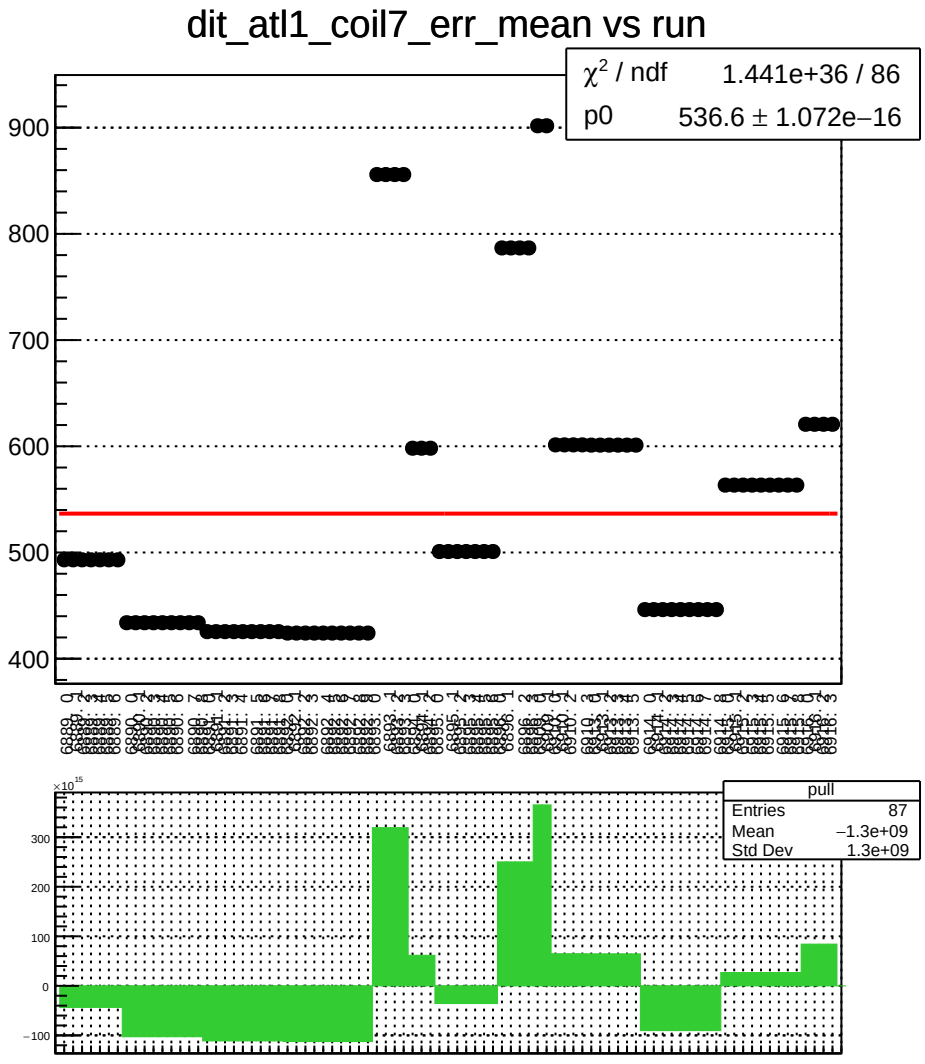

dit_usr_coil7_err_mean vs run
χ^2 / ndf 1.256e+36 / 86
p0 549.4 ± 1.072e−16
1000
900
800
700
600
500
400
pull
Entries 87
Mean −1.819e+09
Std Dev 1.819e+09
$\times 10^{15}$
400
300
200
100
0
−100

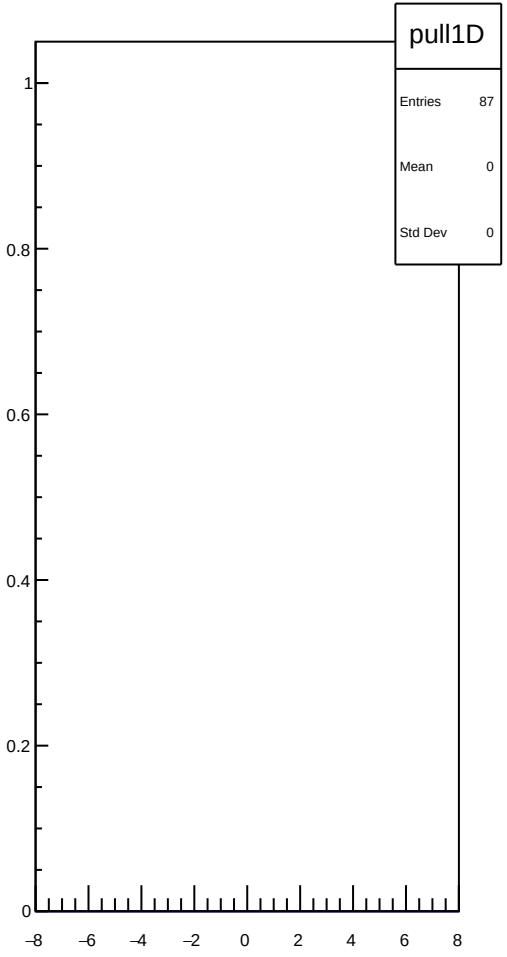

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

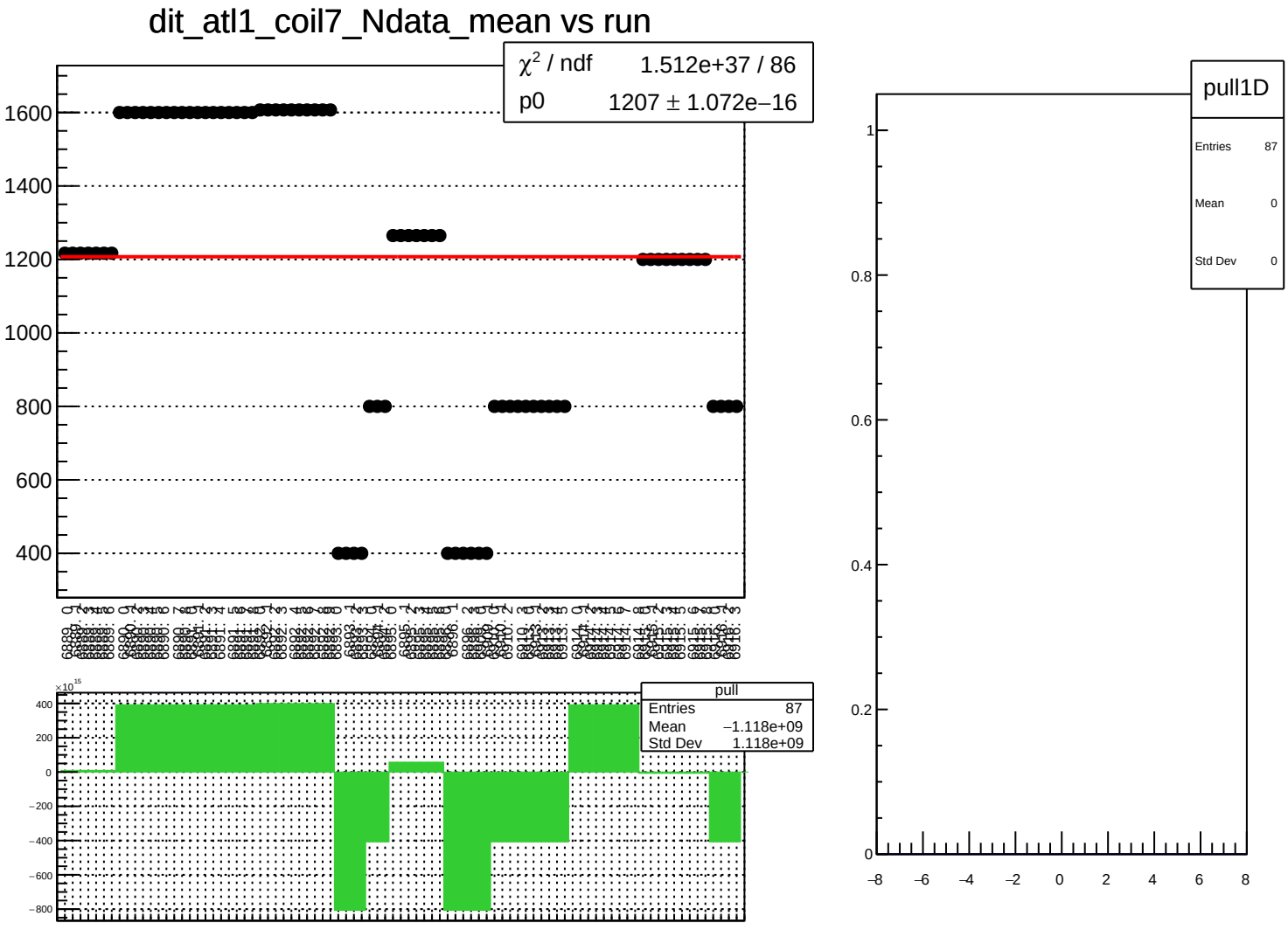

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800

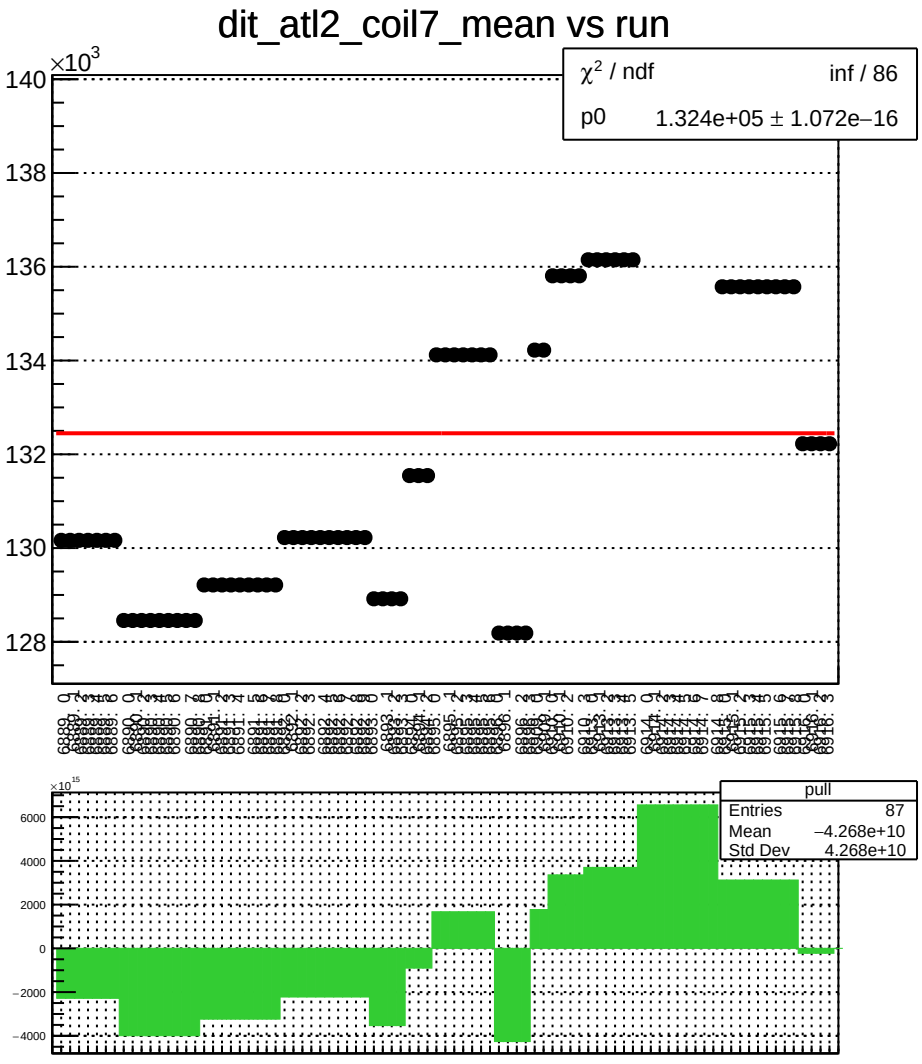

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

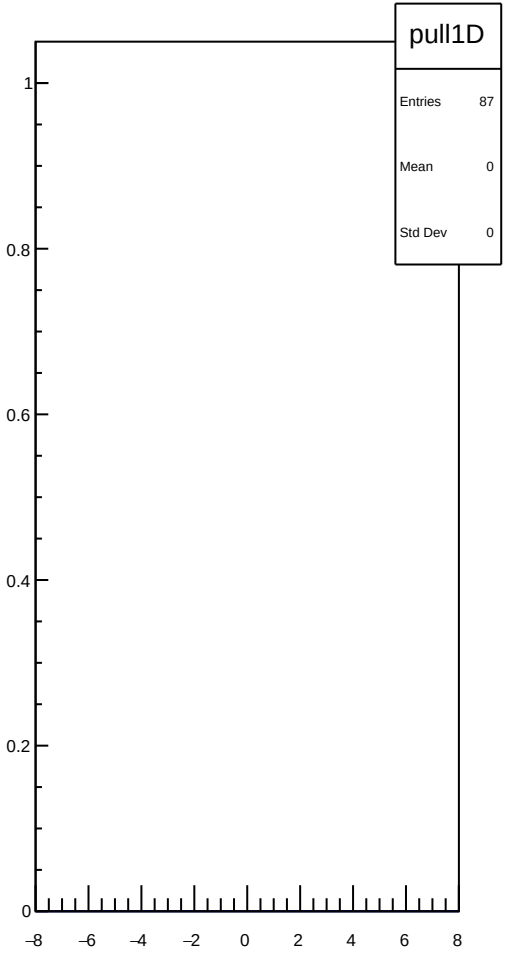

dit_atl1_coil7_mean vs run
χ² / ndf 2.177e+38 / 86
p0 1.044e+04 ± 1.072e−16
13000
12000
11000
10000
9000
8000
pull
Entries 87
Mean 3.633e+09
Std Dev 3.633e+09
×10^15
2000
1000
0
−1000
−2000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

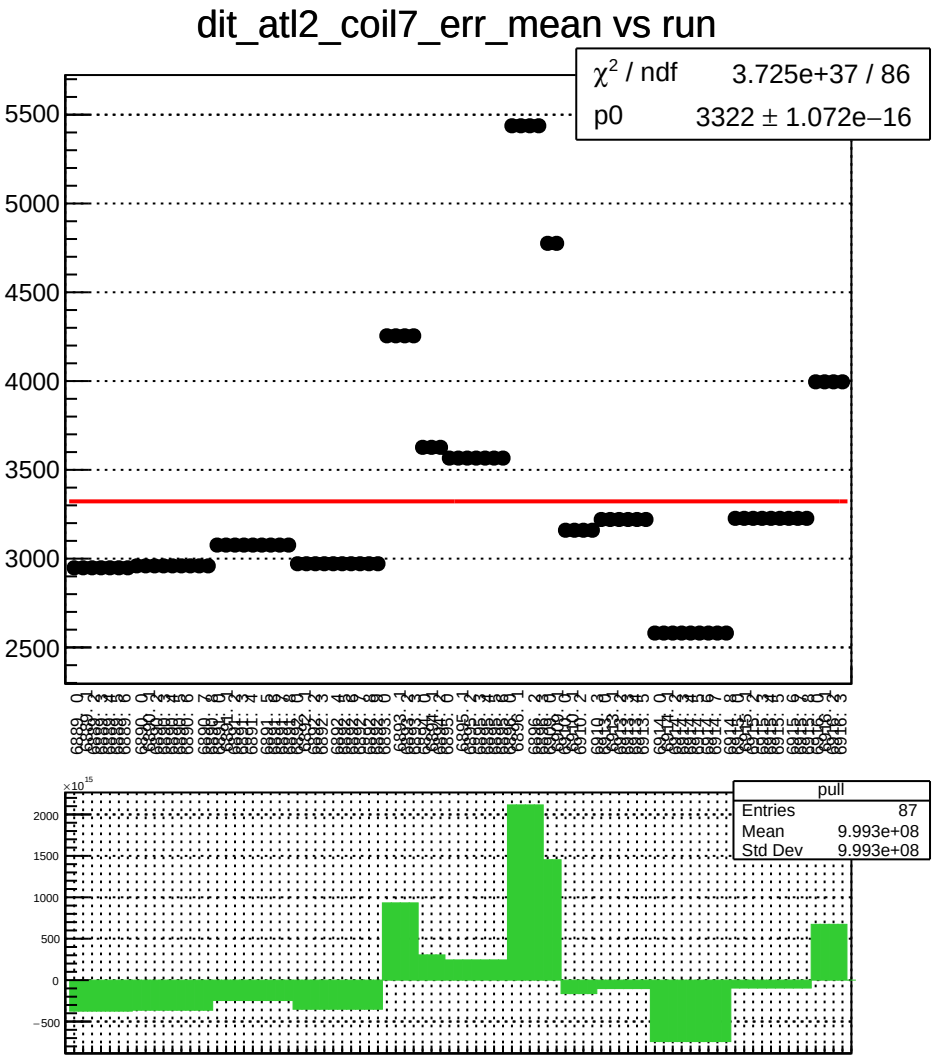

dit_atl1_coil7_err_mean vs run
χ² / ndf 1.441e+36 / 86
p0 536.6 ± 1.072e−16
900
800
700
600
500
400
pull
Entries 87
Mean −1.3e+09
Std Dev 1.3e+09
×10¹⁵
300
200
100
0
−100

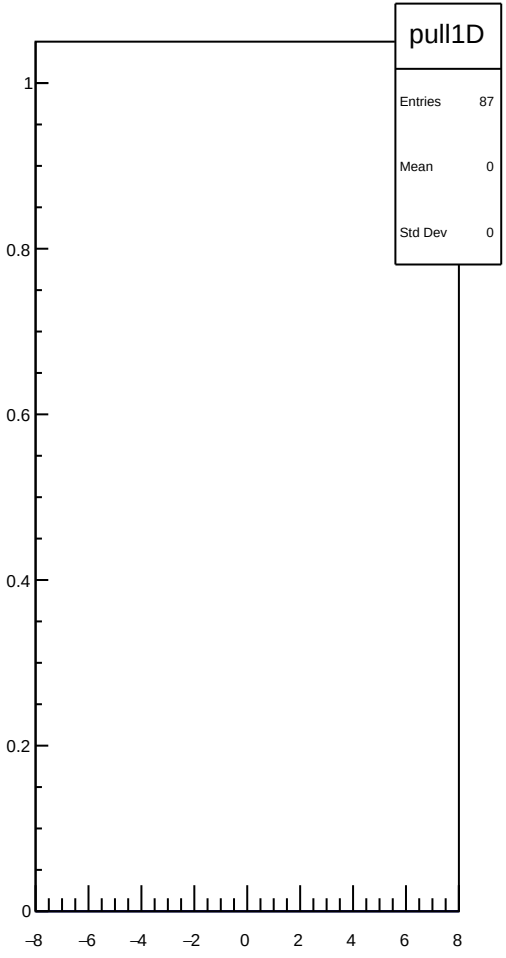

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

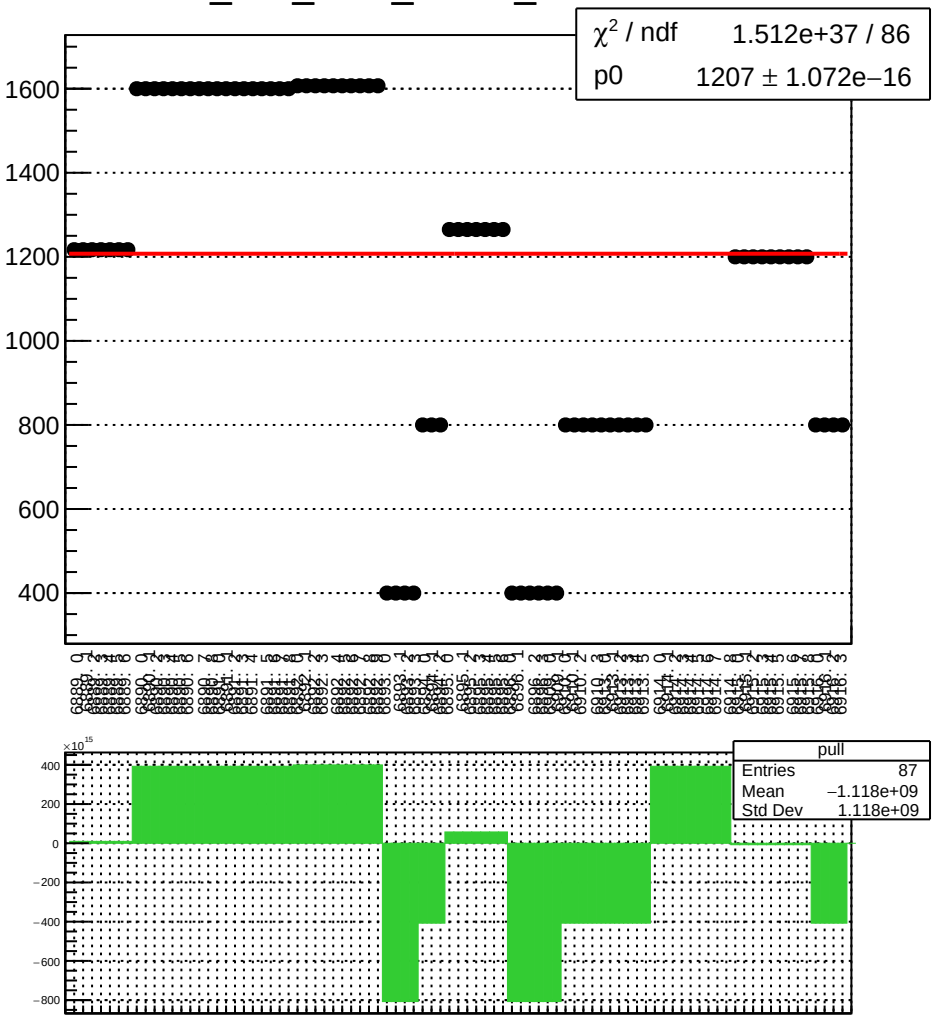

dit_atl2_coil7_mean vs run
χ^2 / ndf inf / 86
p0 1.324e+05 ± 1.072e−16
×10^3
140
138
136
134
132
130
128
pull
Entries 87
Mean −4.268e+10
Std Dev 4.268e+10
×10^15
6000
4000
2000
0
−2000
−4000

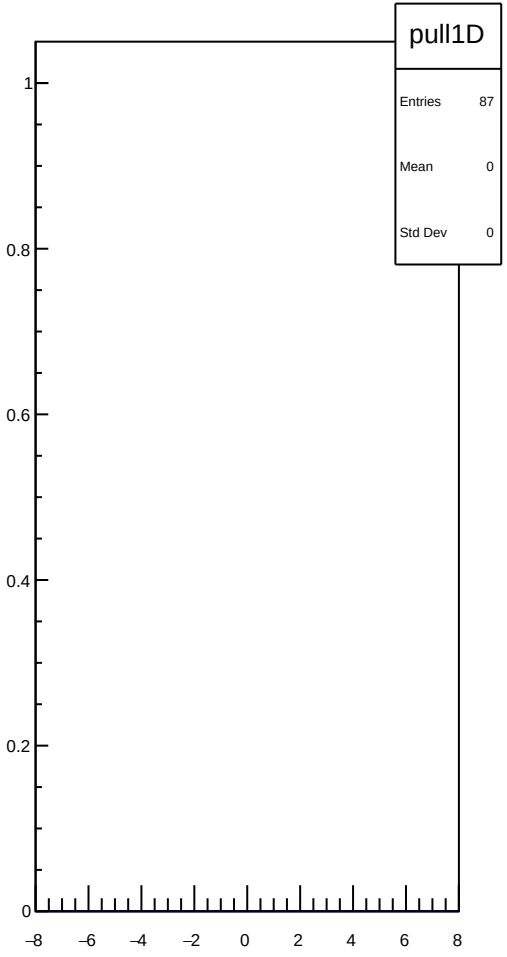

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

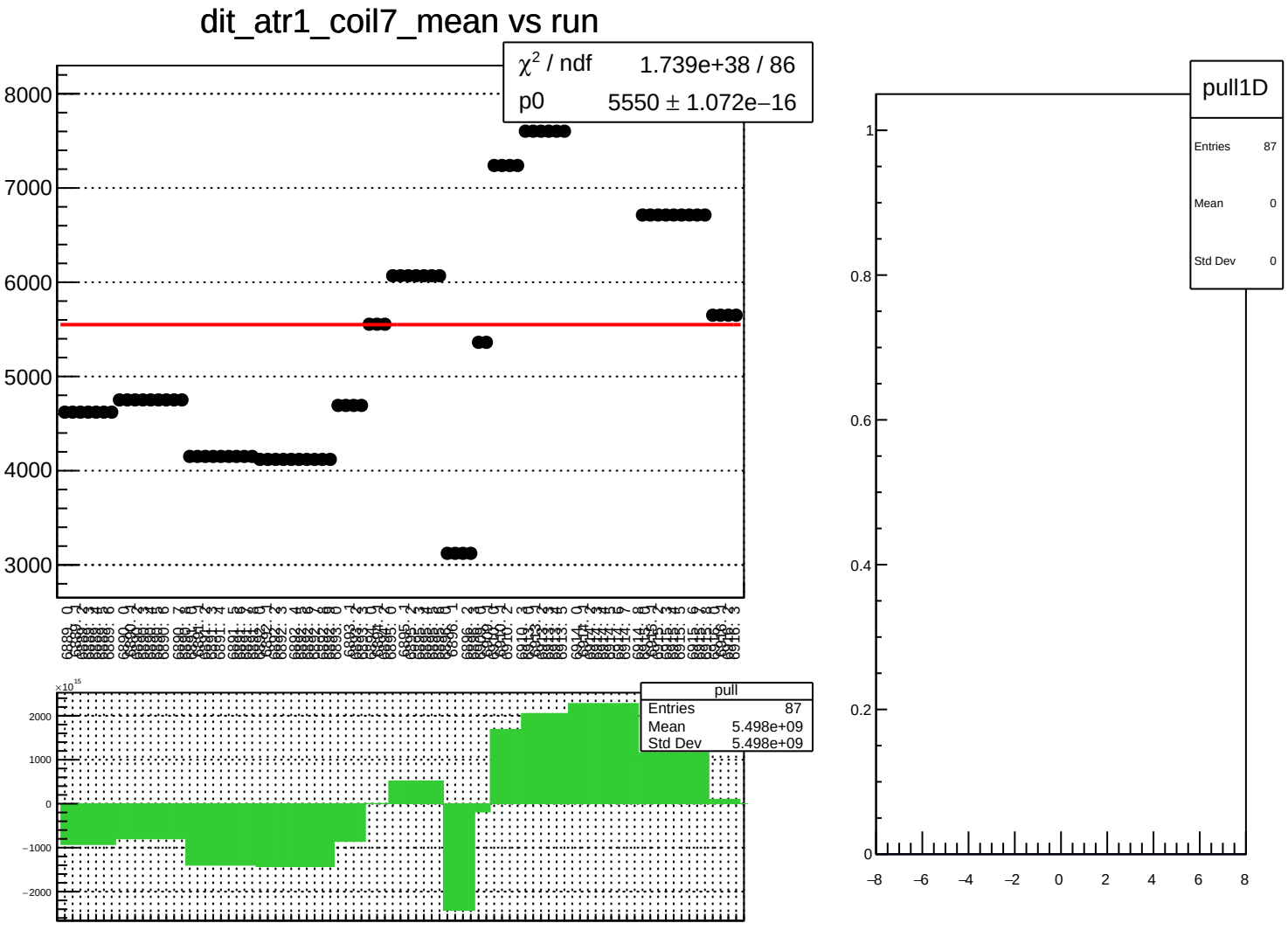

dit_atl2_coil7_err_mean vs run
χ² / ndf 3.725e+37 / 86
p0 3322 ± 1.072e−16
5500
5000
4500
4000
3500
3000
2500
×10¹⁵
2000
1500
1000
500
0
−500
pull
Entries 87
Mean 9.993e+08
Std Dev 9.993e+08

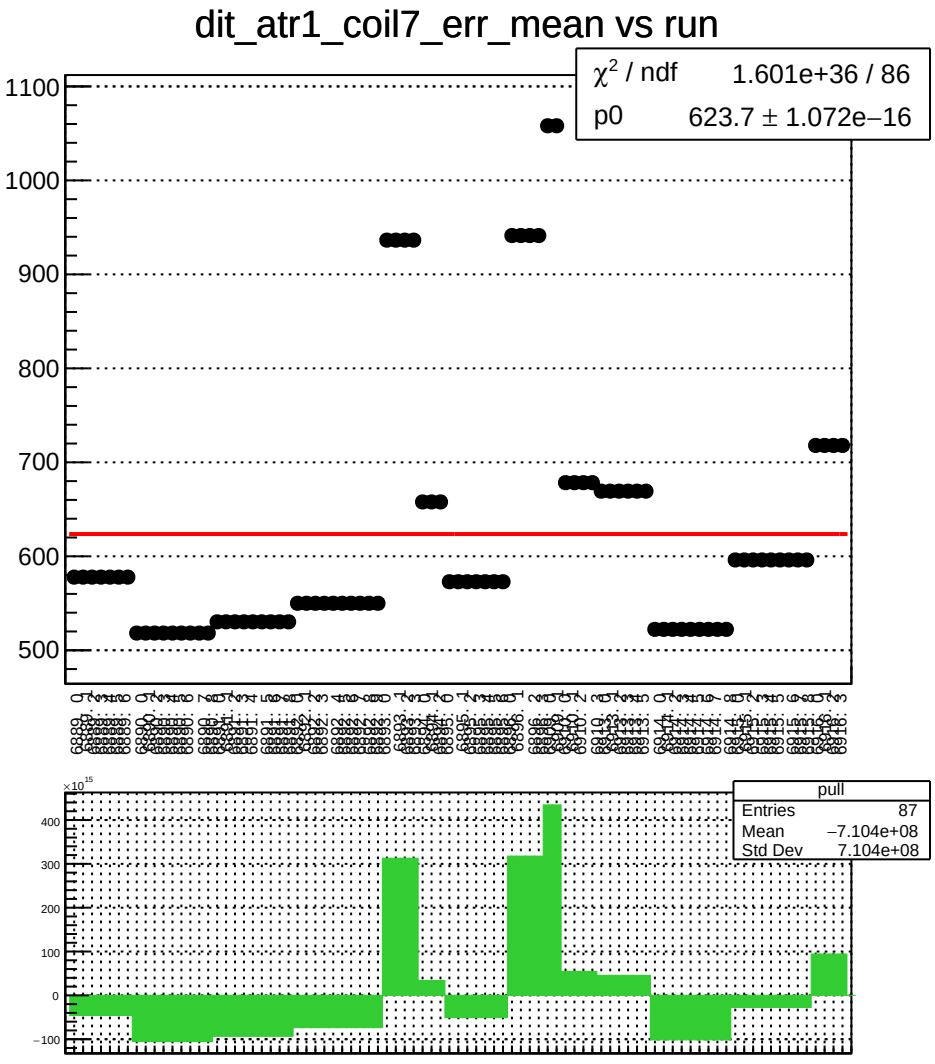

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

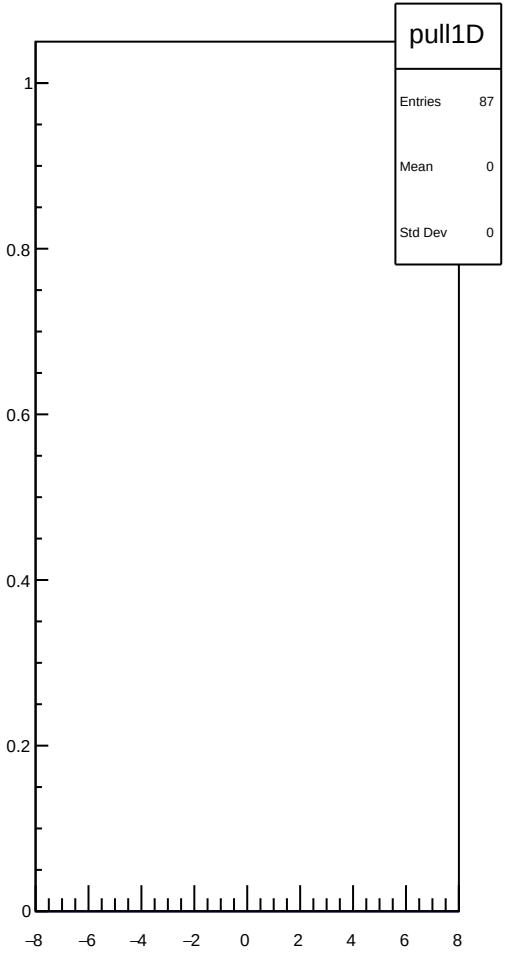
dit_atl2_coil7_Ndata_mean vs run

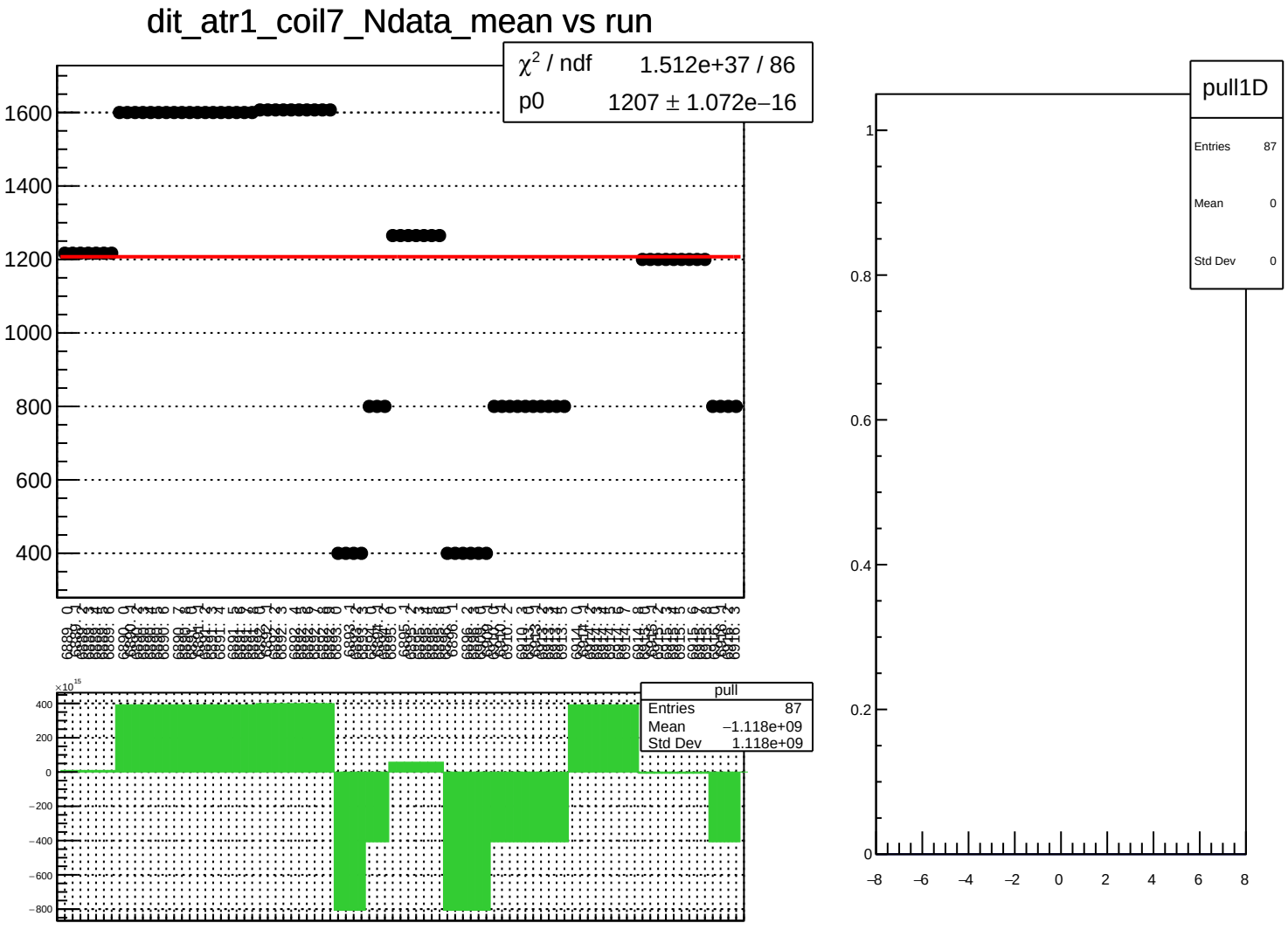


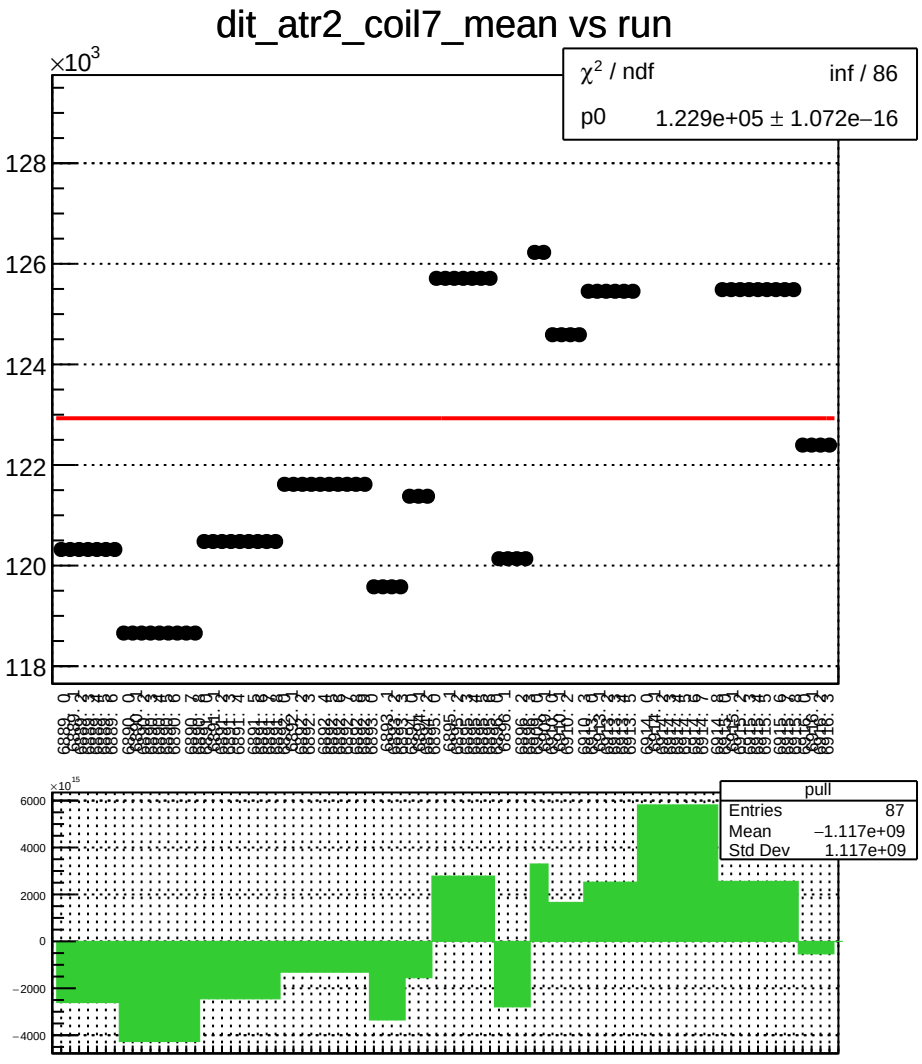


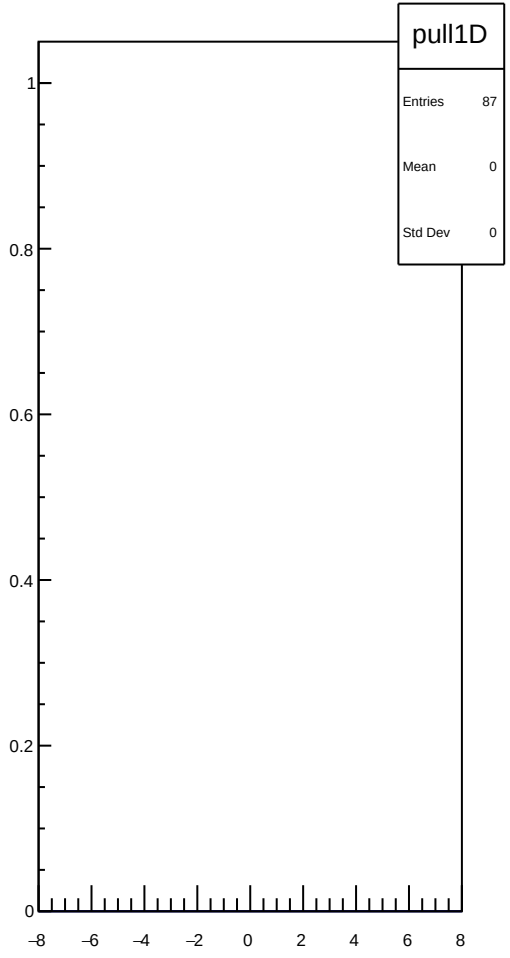

dit_atr1_coil7_mean vs run
χ² / ndf 1.739e+38 / 86
p0 5550 ± 1.072e−16
8000
7000
6000
5000
4000
3000
pull
Entries 87
Mean 5.498e+09
Std Dev 5.498e+09
×10¹⁵
2000
1000
0
−1000
−2000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

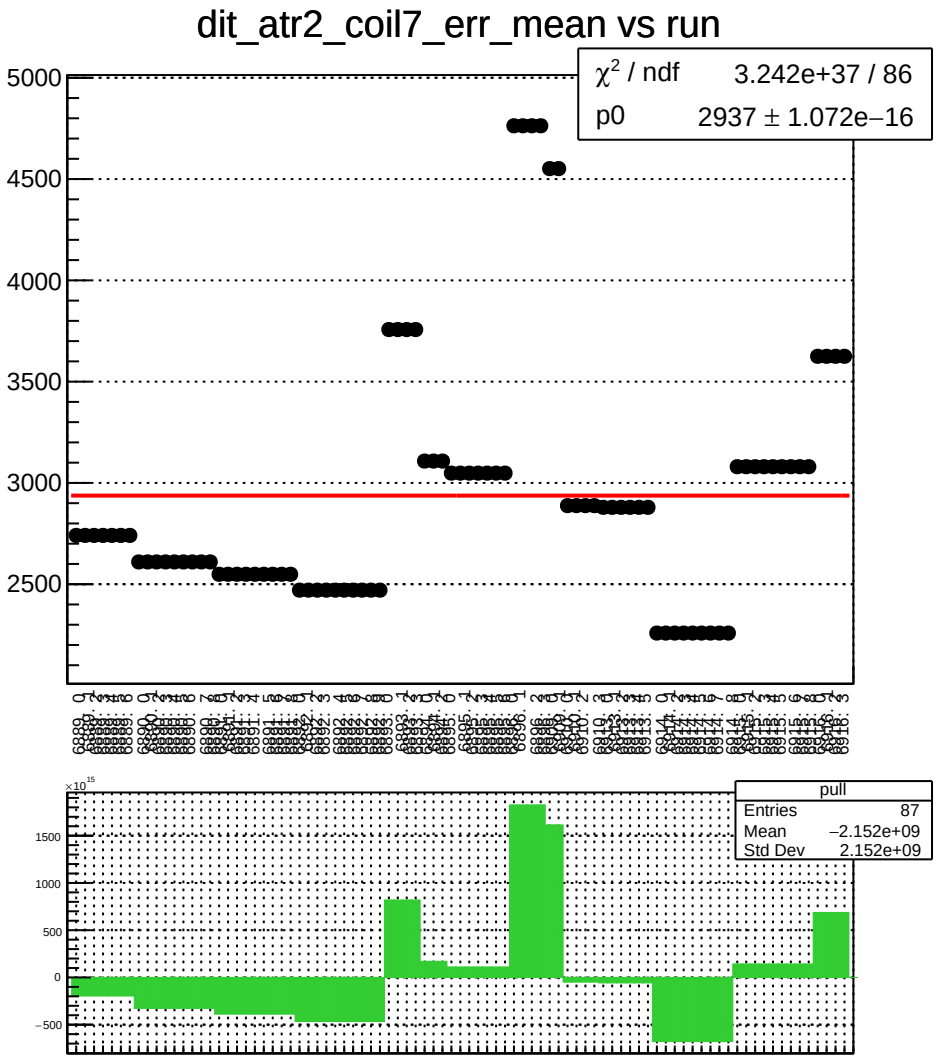

dit_atr1_coil7_err_mean vs run
χ² / ndf 1.601e+36 / 86
p0 623.7 ± 1.072e−16
1100
1000
900
800
700
600
500
pull
Entries 87
Mean −7.104e+08
Std Dev 7.104e+08
×10¹⁵
400
300
200
100
0
−100

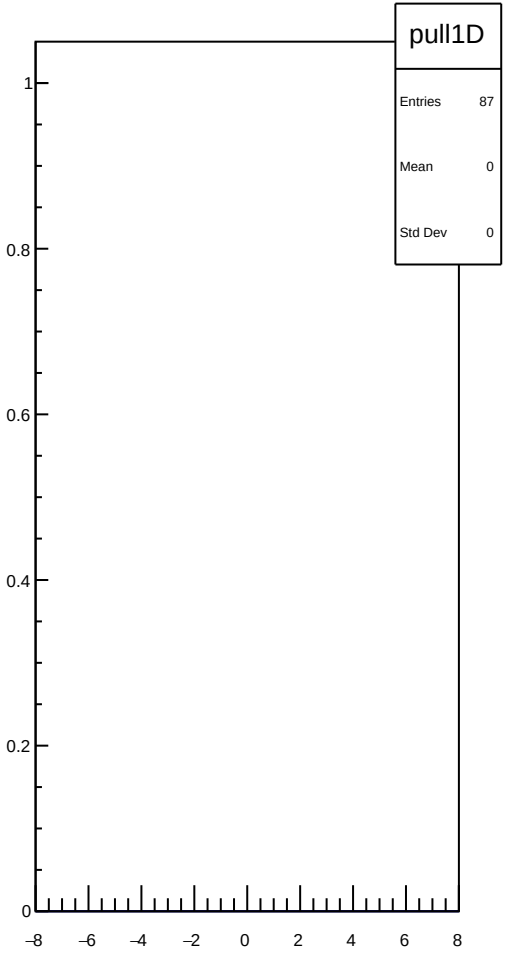

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

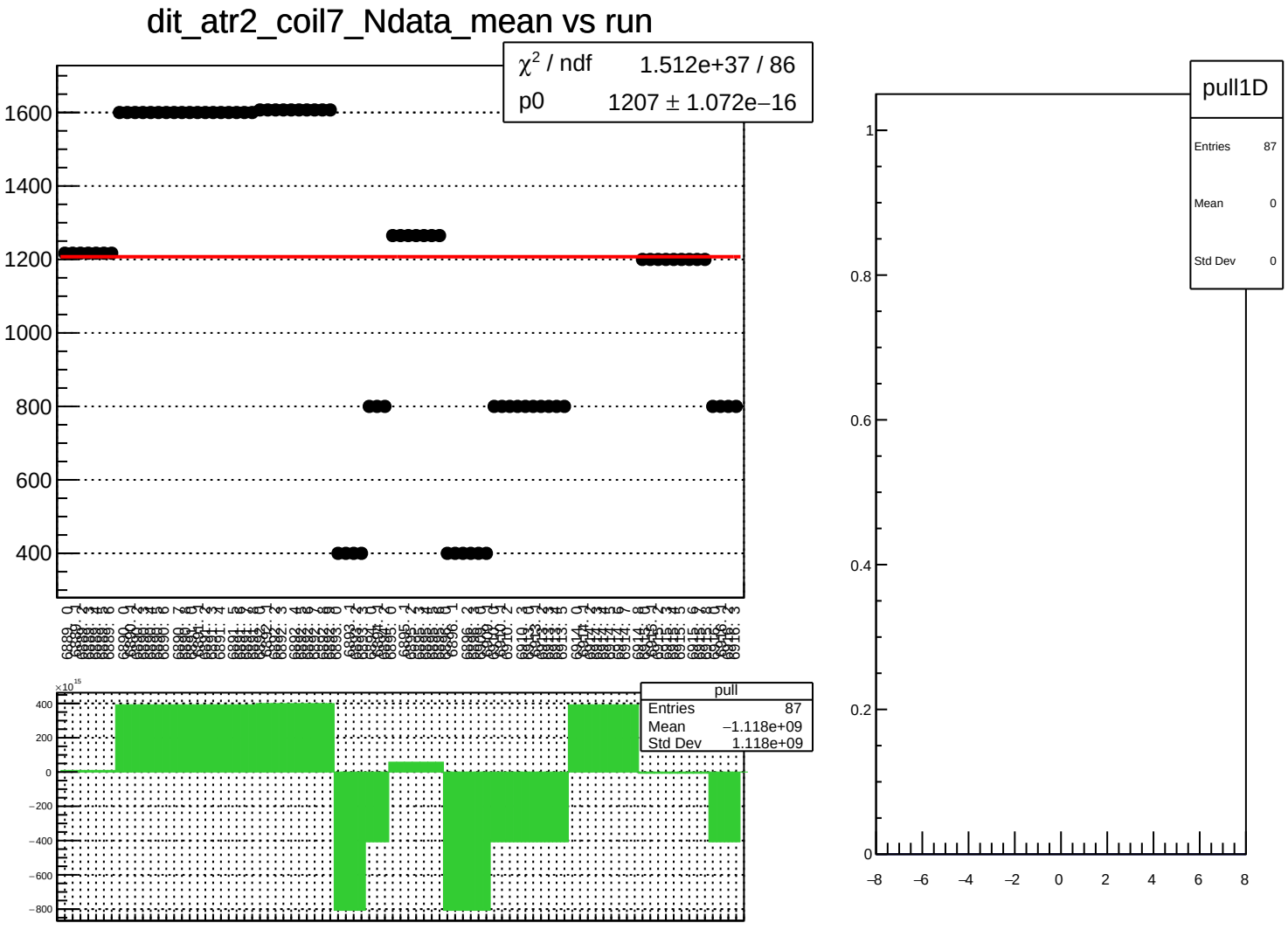

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

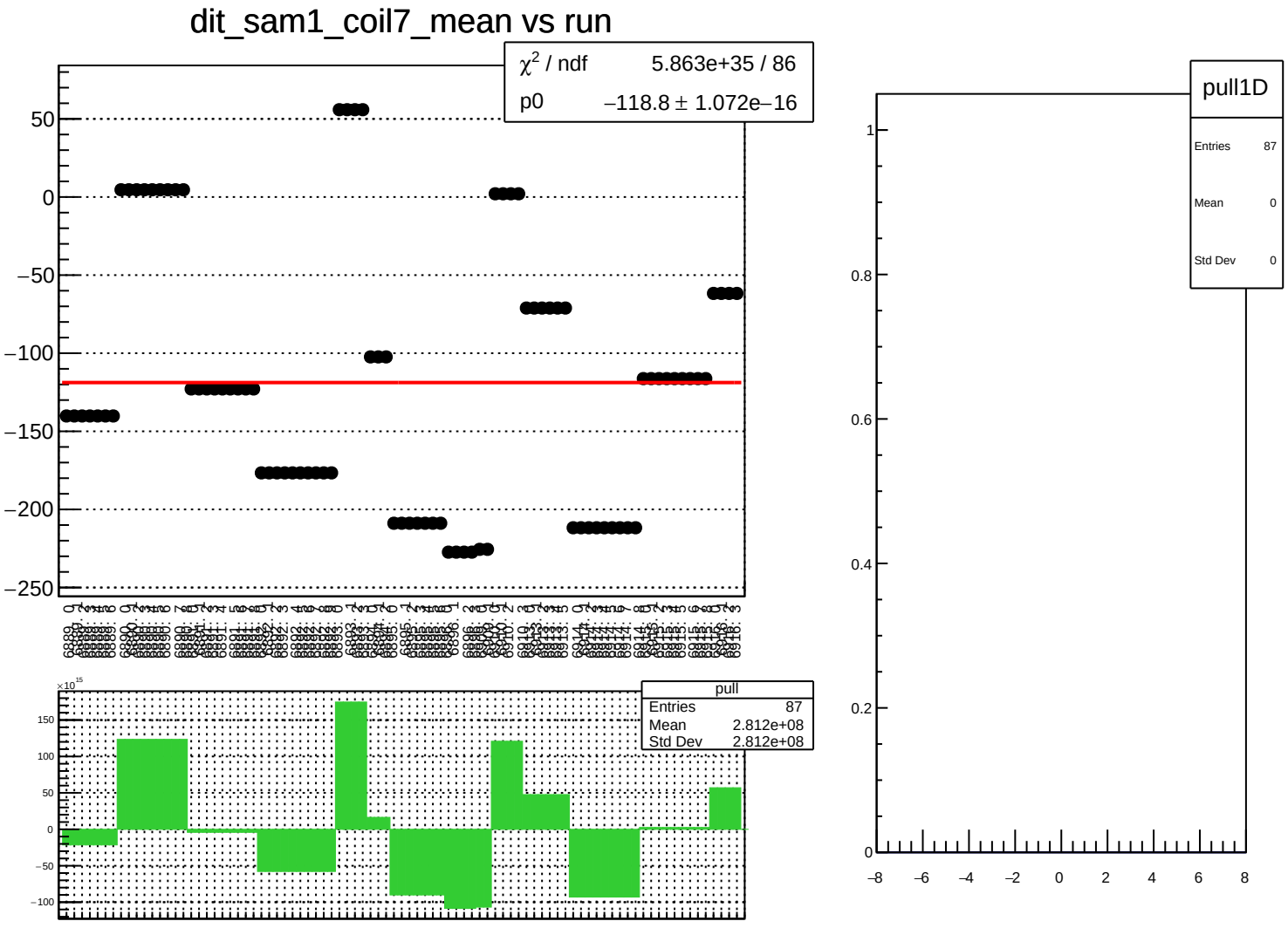

dit_atr2_coil7_mean vs run
χ^2 / ndf inf / 86
p0 1.229e+05 ± 1.072e−16
×10^3
128
126
124
122
120
118
pull
Entries 87
Mean −1.117e+09
Std Dev 1.117e+09
×10^15
6000
4000
2000
0
−2000
−4000

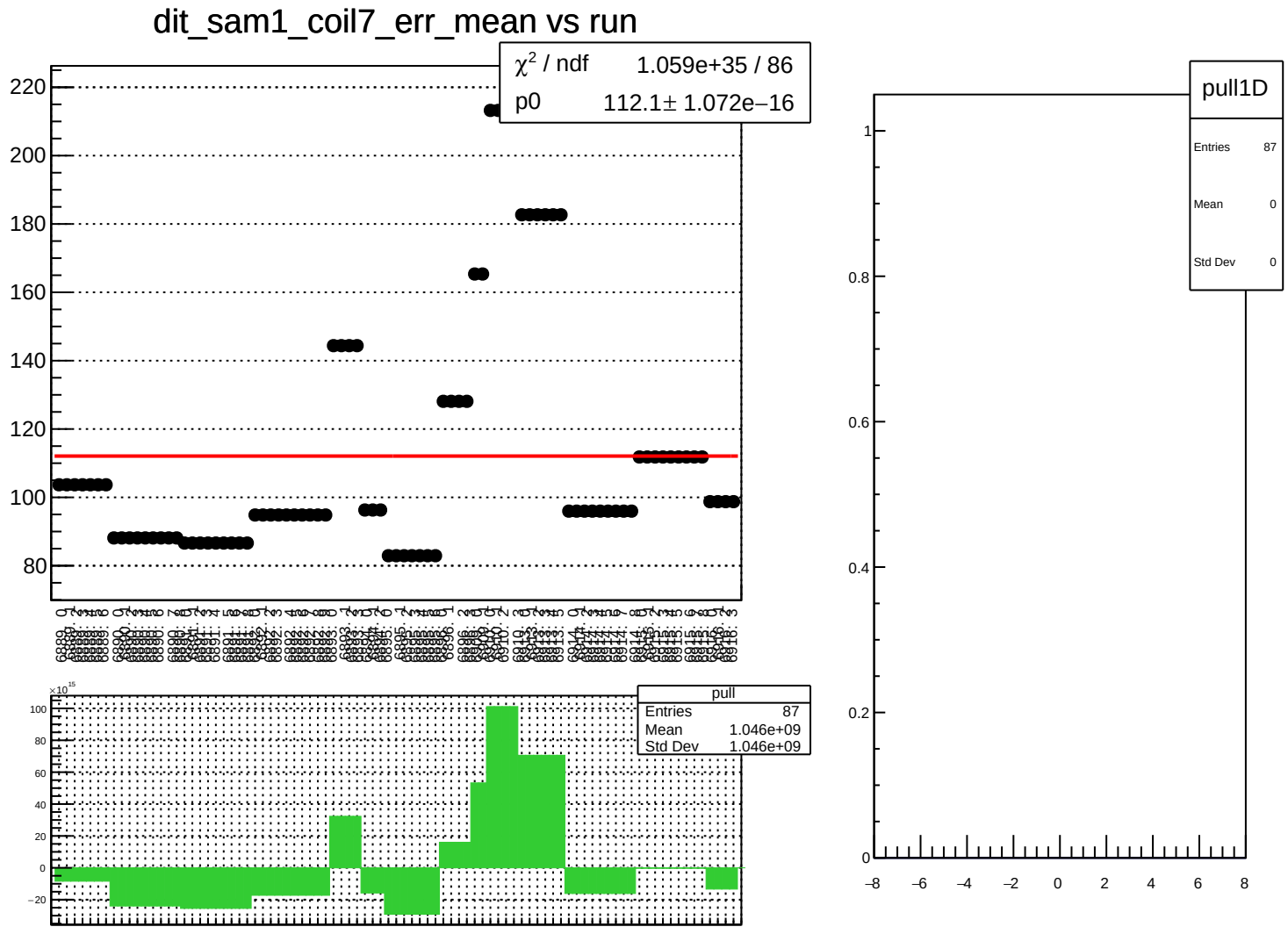

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

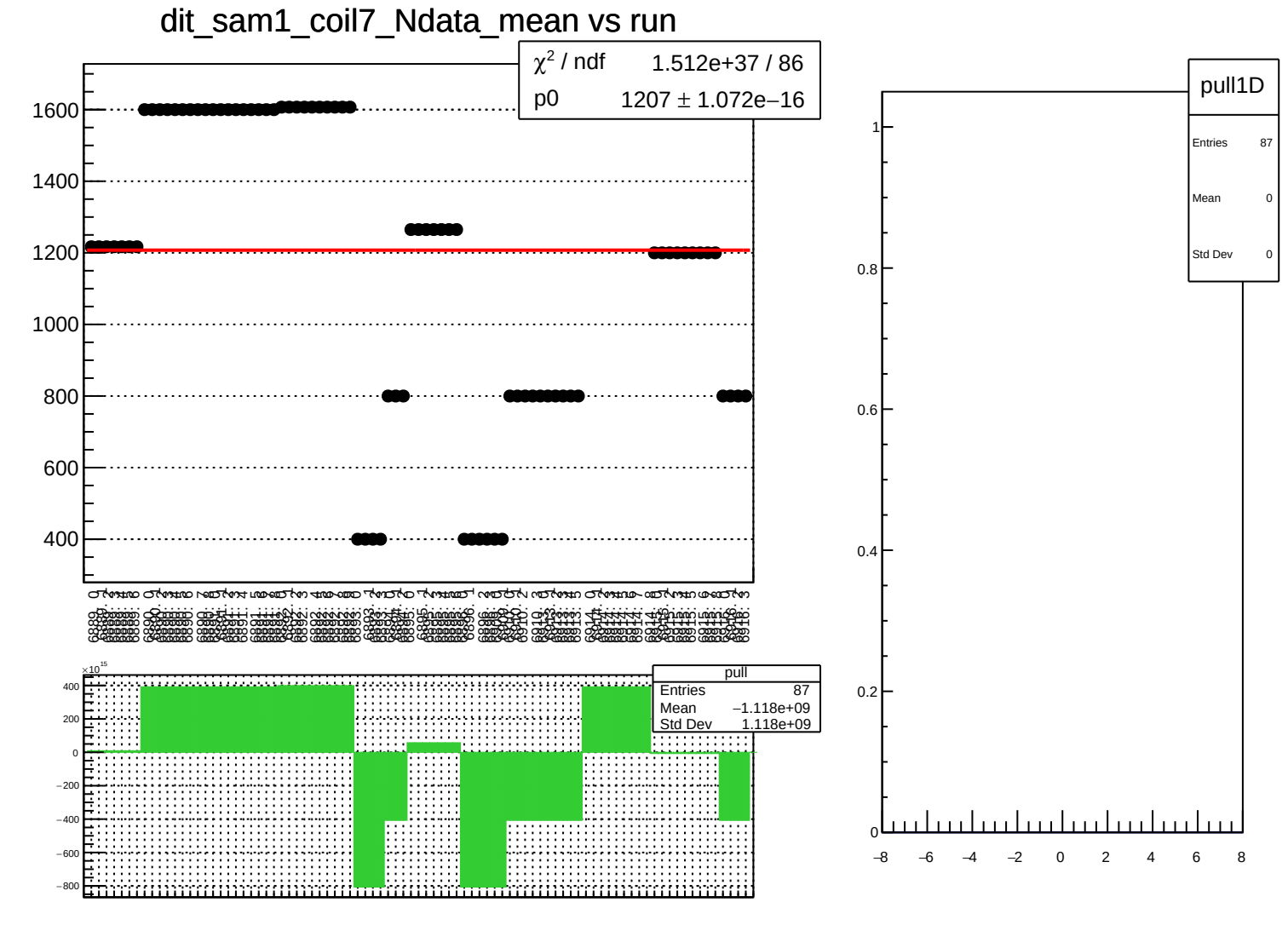

dit_atr2_coil7_err_mean vs run
χ^2 / ndf 3.242e+37 / 86
p0 2937 ± 1.072e−16
5000
4500
4000
3500
3000
2500
pull
Entries 87
Mean −2.152e+09
Std Dev 2.152e+09
1500
1000
500
0
−500

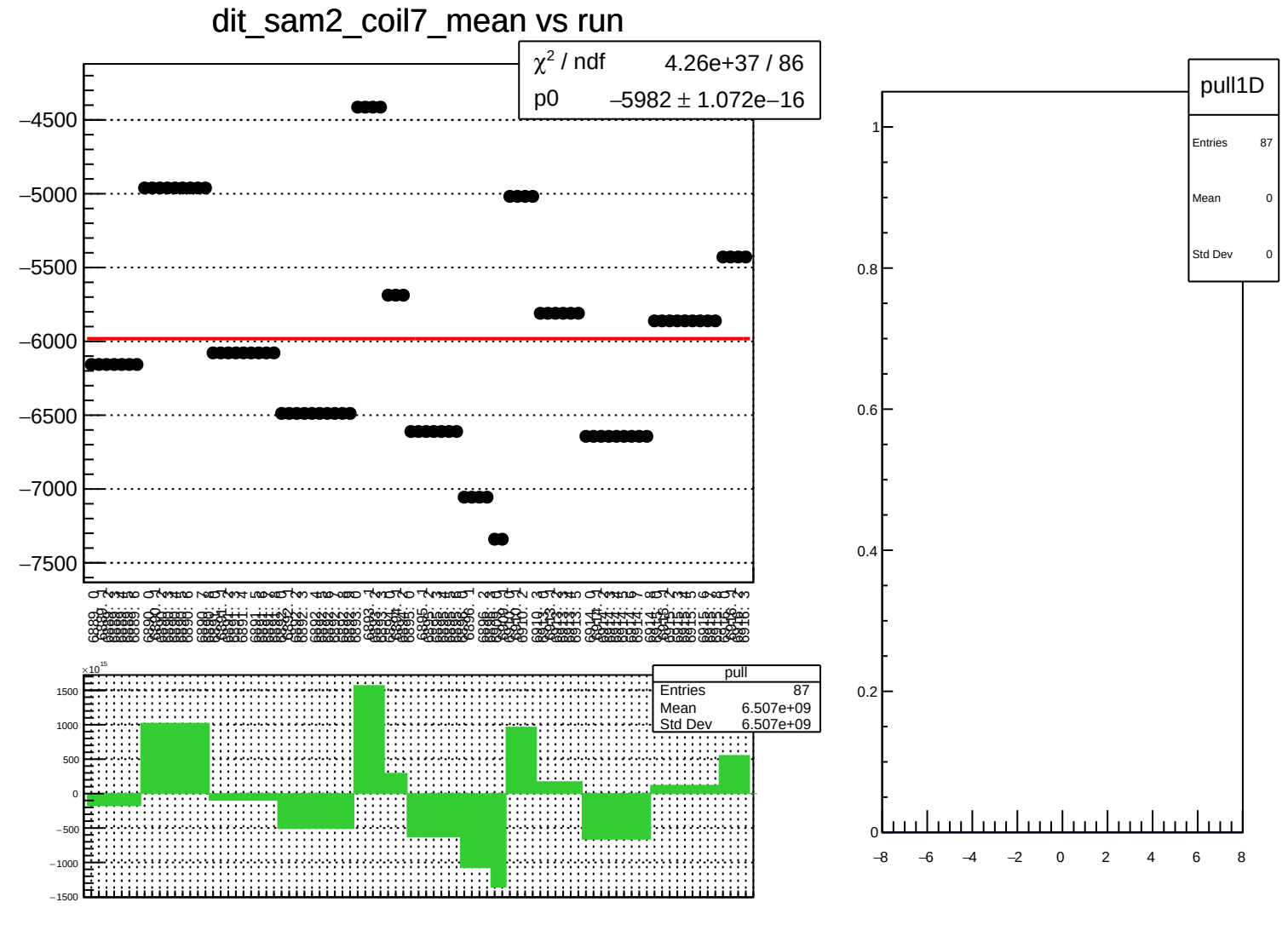

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

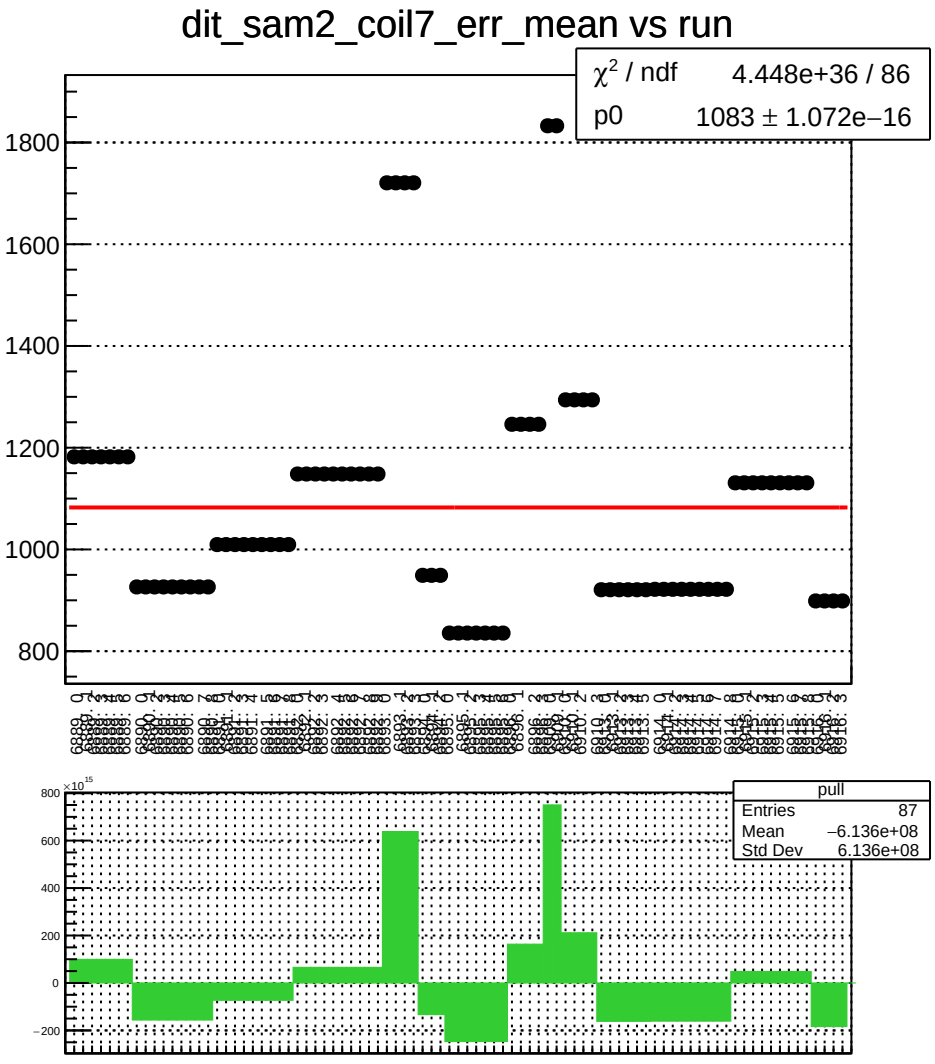

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

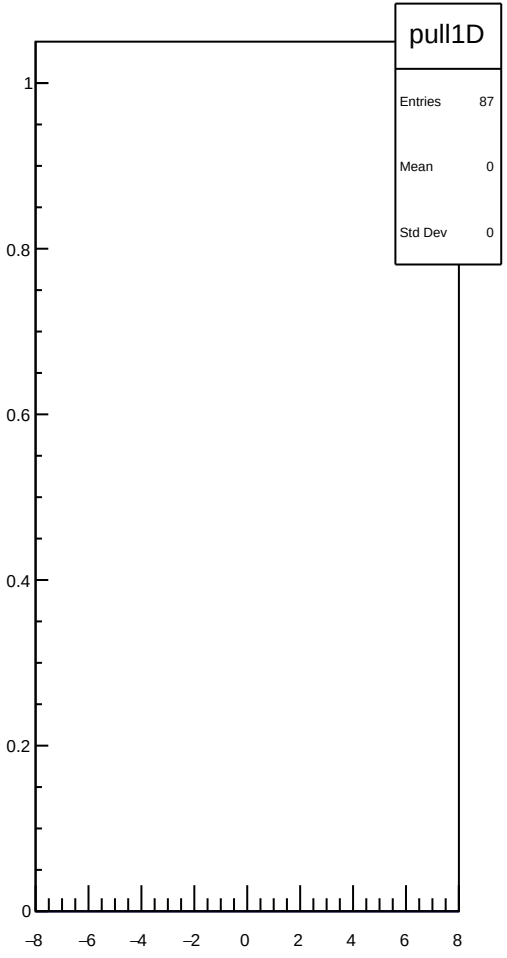

dit_sam1_coil7_mean vs run
χ² / ndf 5.863e+35 / 86
p0 −118.8 ± 1.072e−16
pull
Entries 87
Mean 2.812e+08
Std Dev 2.812e+08
pull1D
Entries 87
Mean 0
Std Dev 0

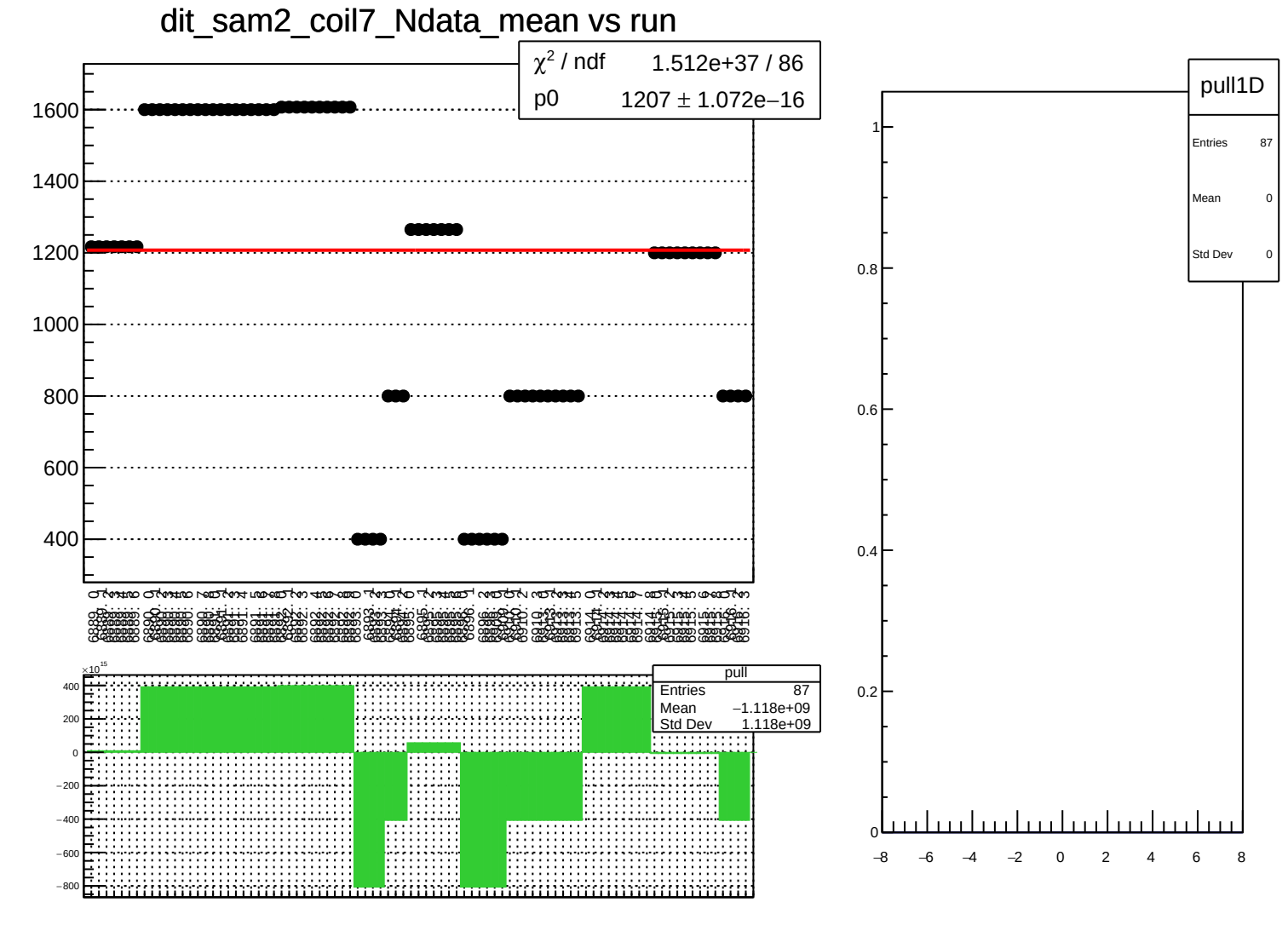

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.059e+35 / 86
p0 112.1± 1.072e−16
pull
Entries 87
Mean 1.046e+09
Std Dev 1.046e+09
pull1D
Entries 87
Mean 0
Std Dev 0

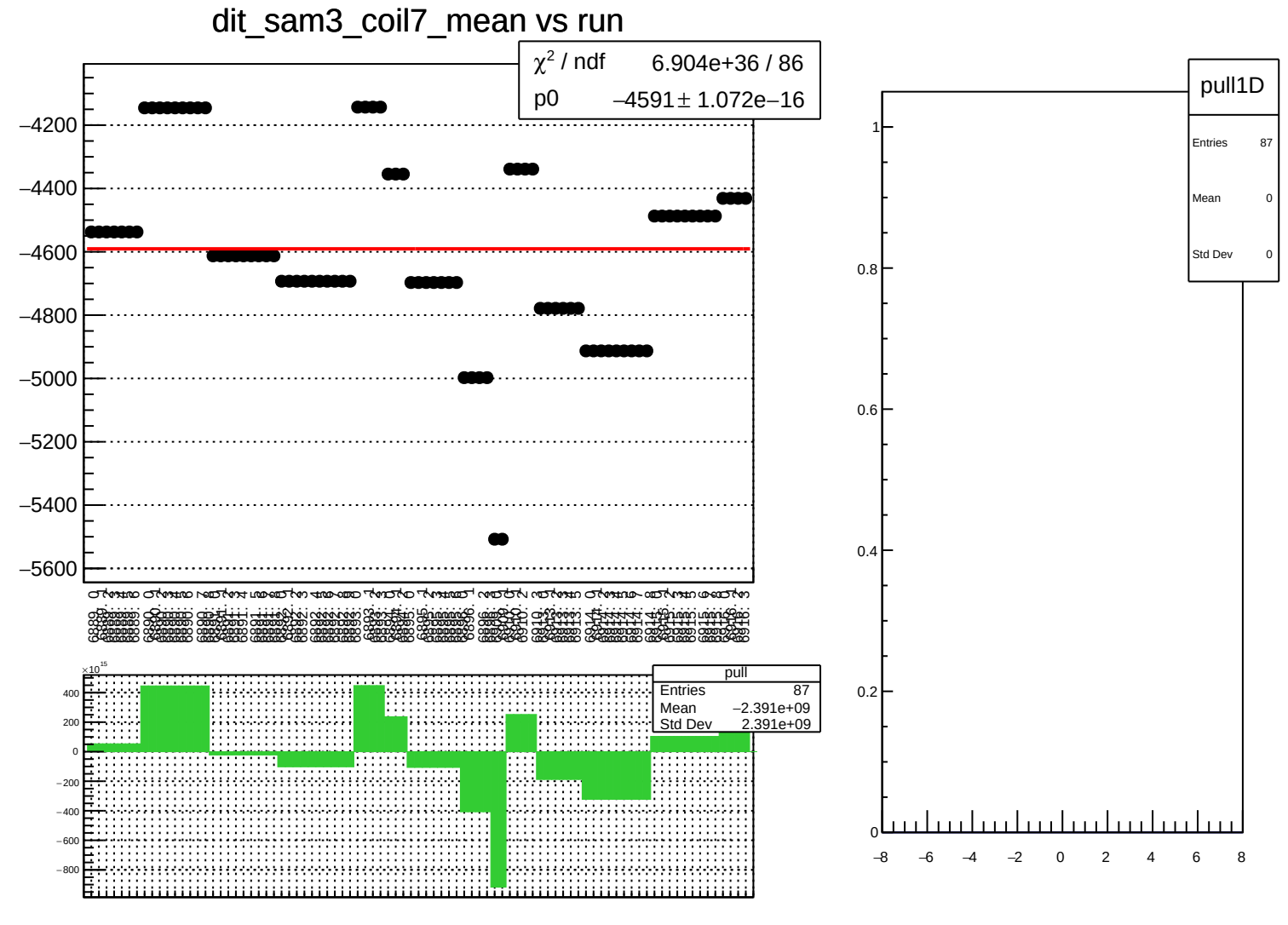

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

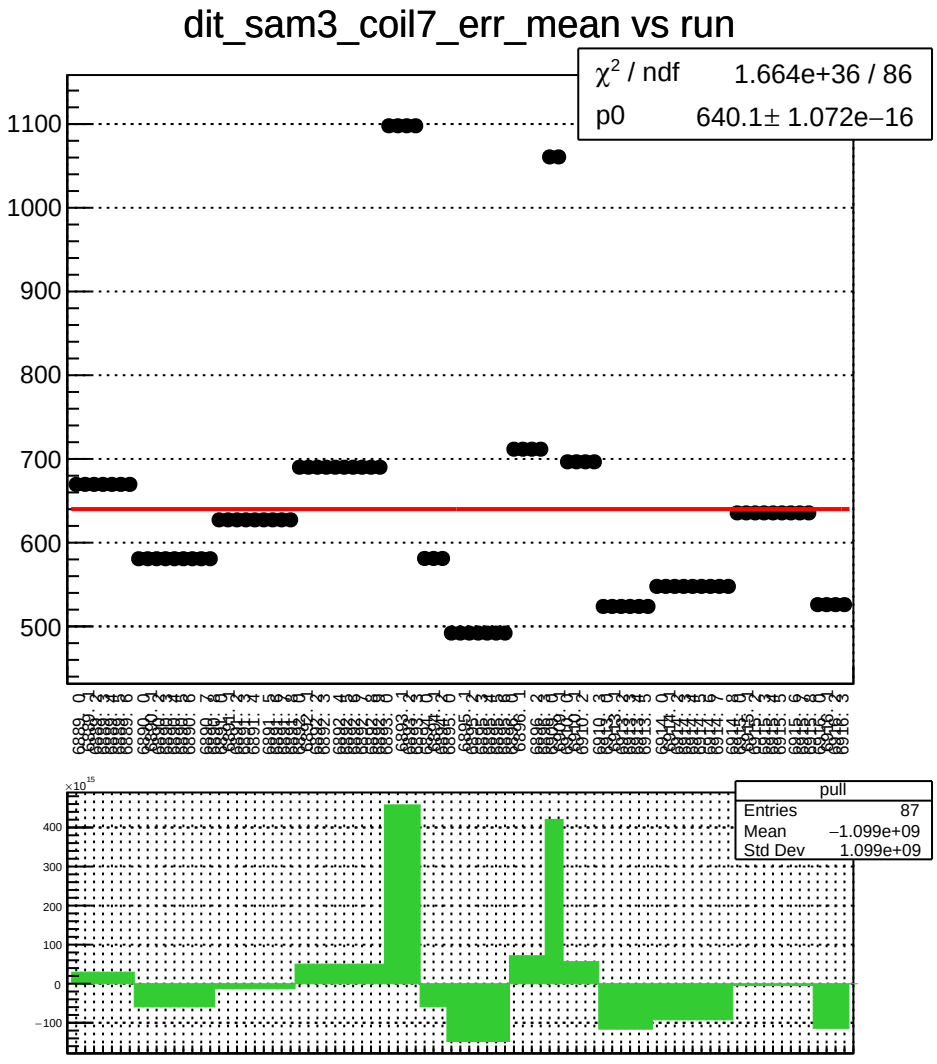

dit_sam2_coil7_mean vs run
χ² / ndf 4.26e+37 / 86
p0 −5982 ± 1.072e−16
−4500
−5000
−5500
−6000
−6500
−7000
−7500
pull
Entries 87
Mean 6.507e+09
Std Dev 6.507e+09
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

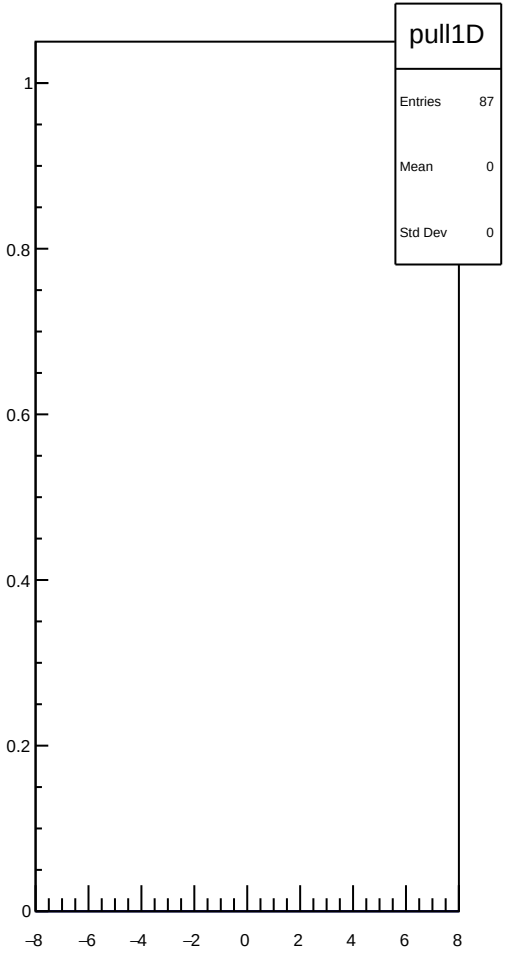

dit_sam2_coil7_err_mean vs run
χ² / ndf 4.448e+36 / 86
p0 1083 ± 1.072e−16
1800
1600
1400
1200
1000
800
pull
Entries 87
Mean −6.136e+08
Std Dev 6.136e+08
×10¹⁵
800
600
400
200
0
−200

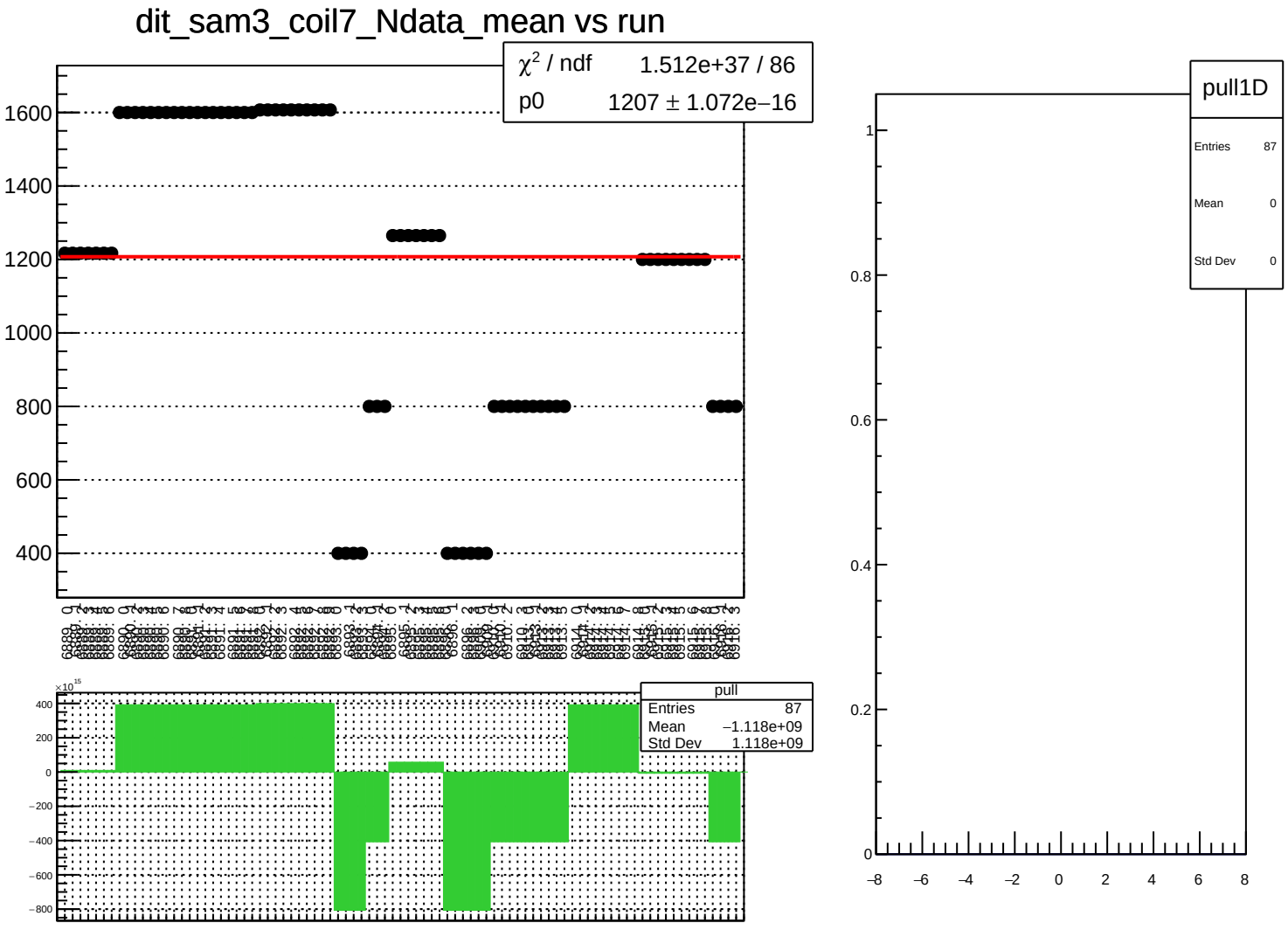

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

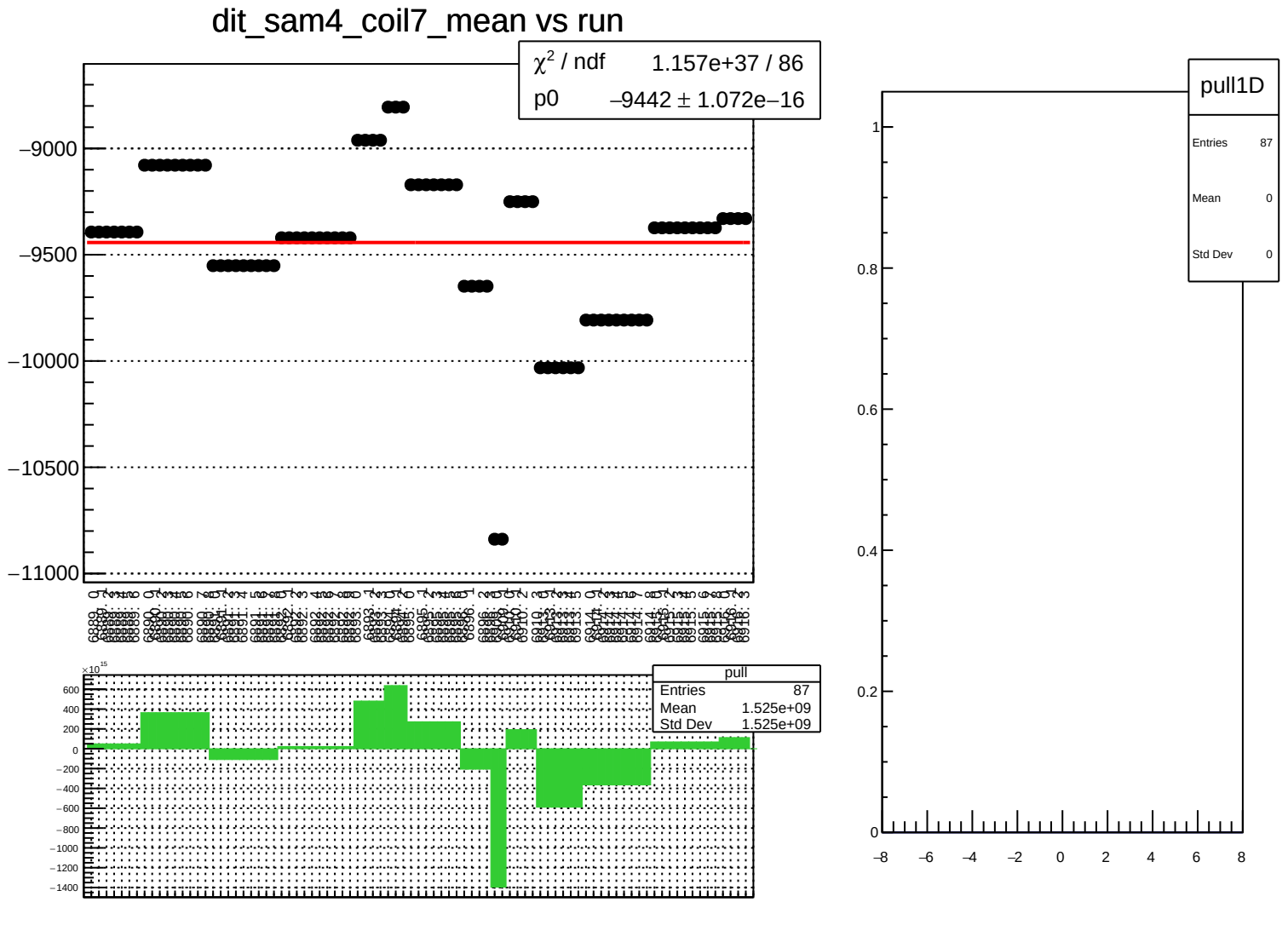

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

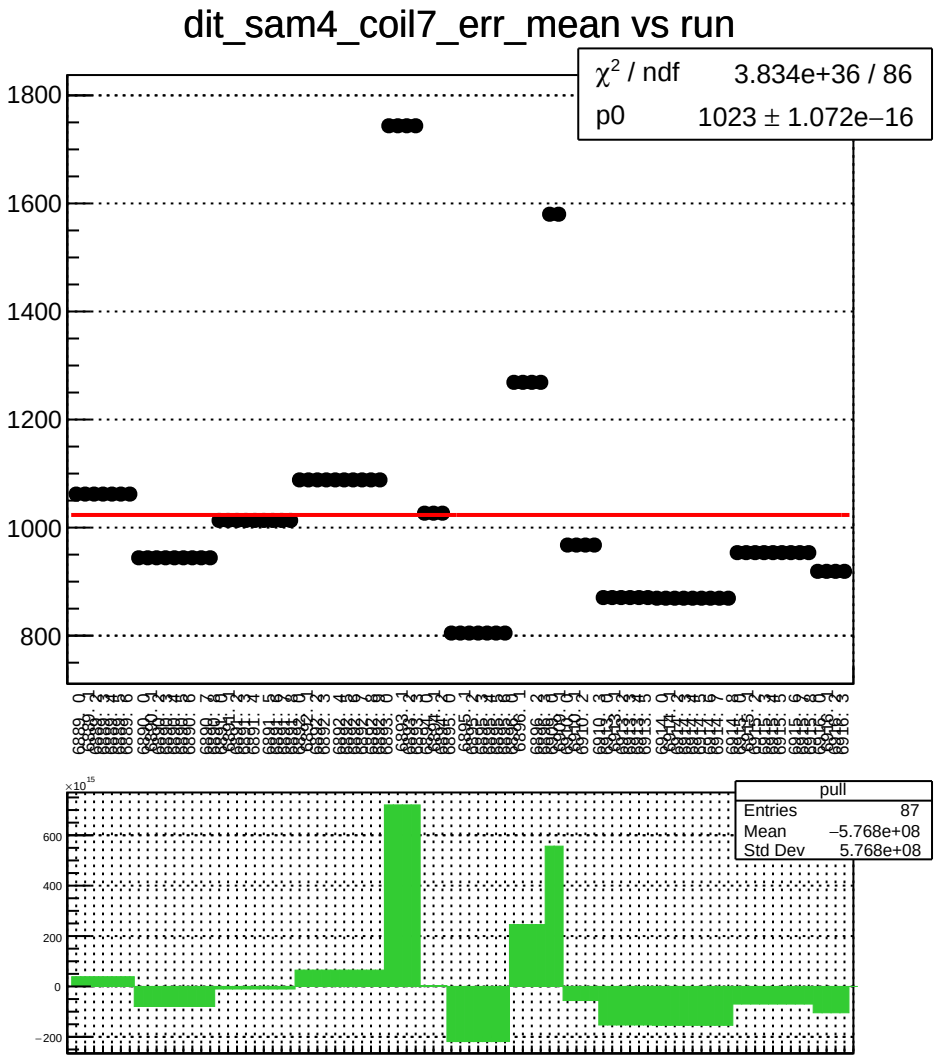

dit_sam3_coil7_mean vs run
χ² / ndf 6.904e+36 / 86
p0 −4591 ± 1.072e−16
−4200
−4400
−4600
−4800
−5000
−5200
−5400
−5600
pull
Entries 87
Mean −2.391e+09
Std Dev 2.391e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

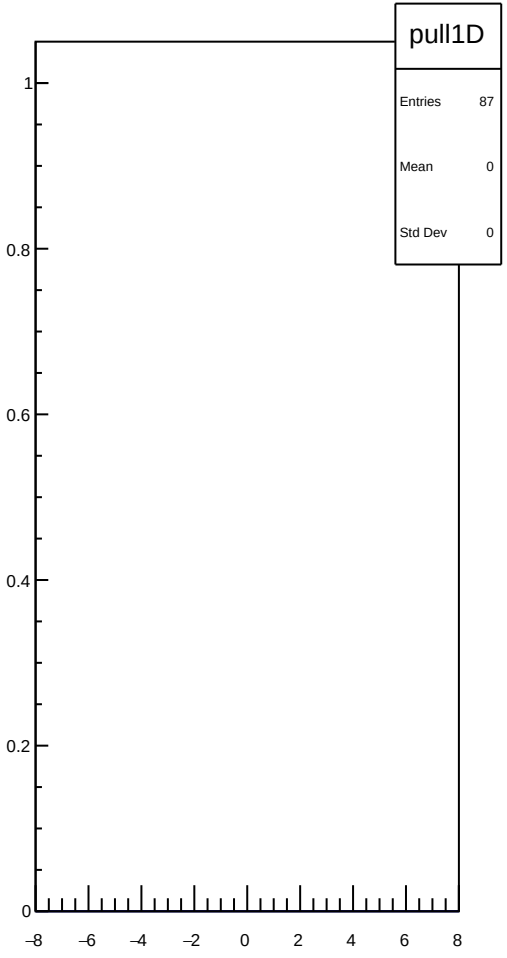

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.664e+36 / 86
p0 640.1± 1.072e−16
1100
1000
900
800
700
600
500
pull
Entries 87
Mean −1.099e+09
Std Dev 1.099e+09
×10¹⁵
400
300
200
100
0
−100

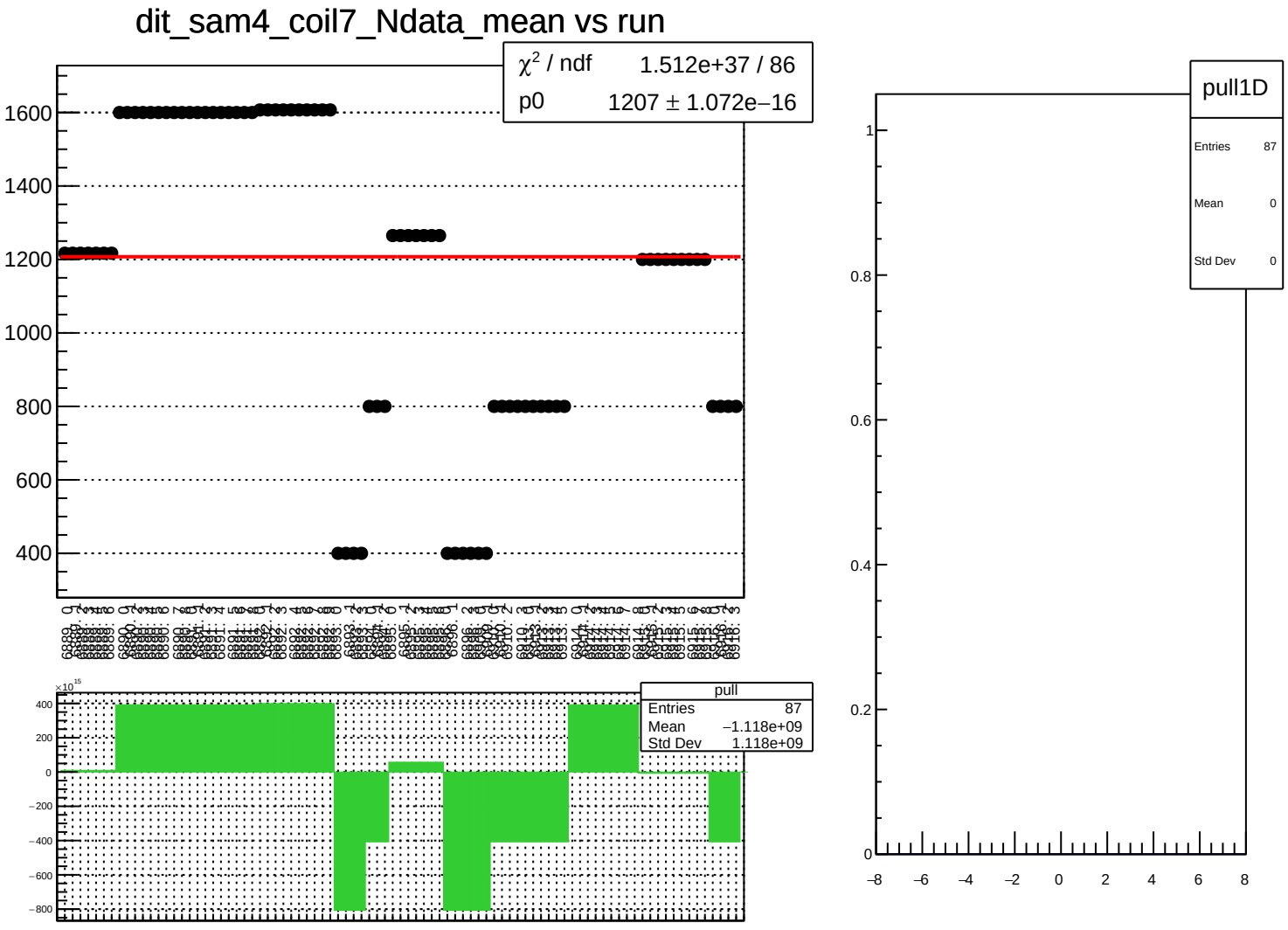

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

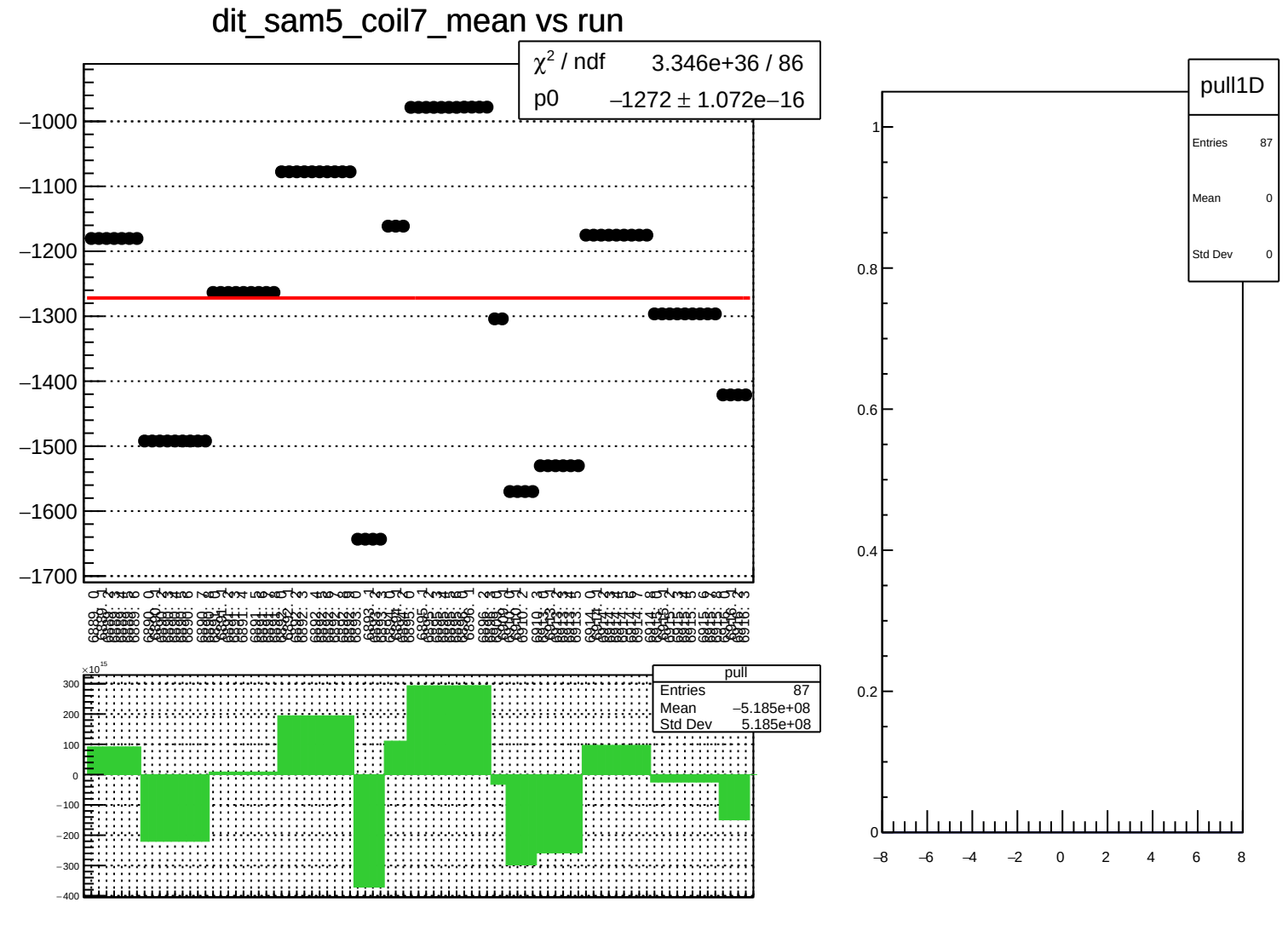

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

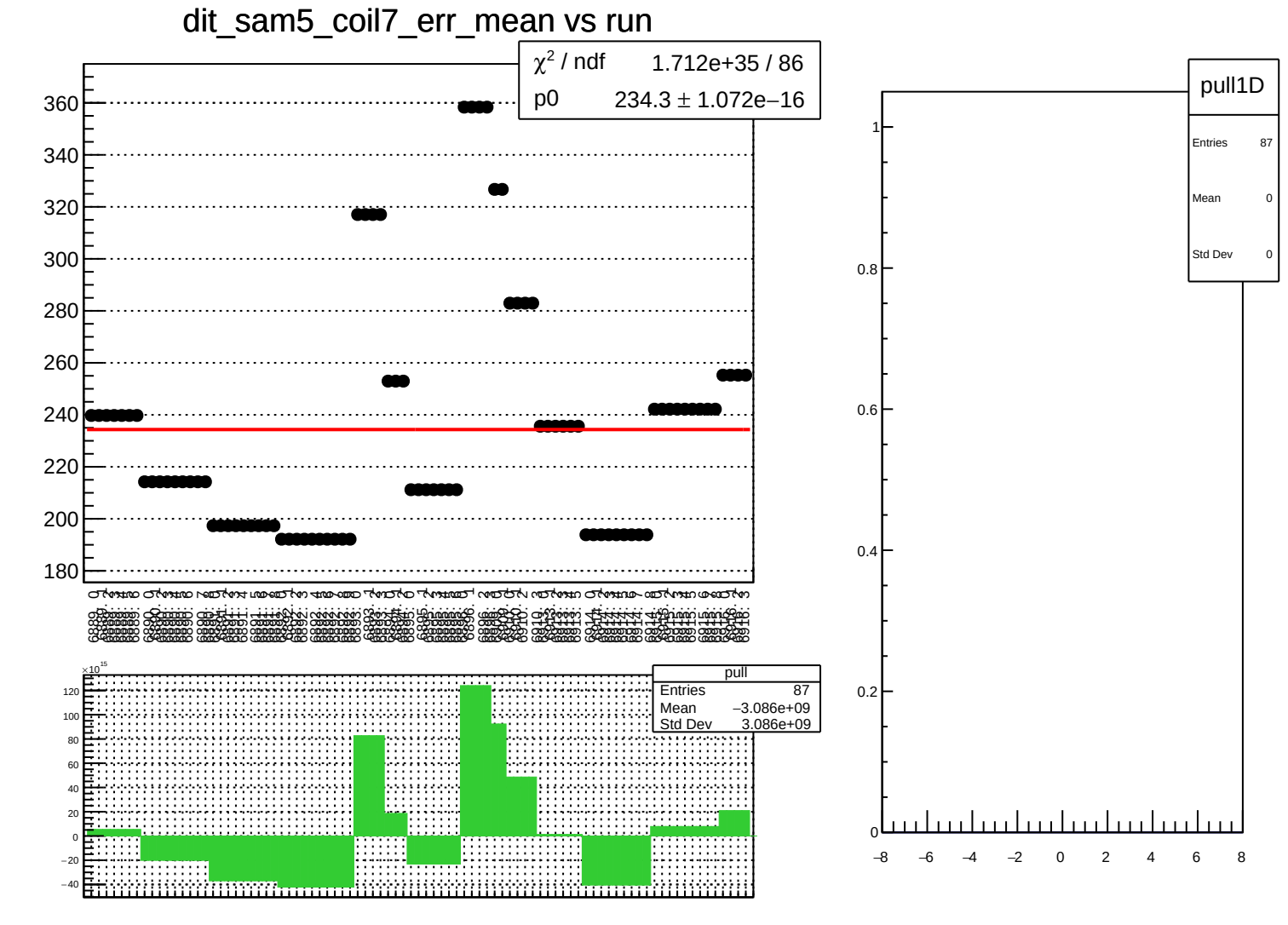

dit_sam4_coil7_mean vs run
χ² / ndf 1.157e+37 / 86
p0 −9442 ± 1.072e−16
−9000
−9500
−10000
−10500
−11000
pull
Entries 87
Mean 1.525e+09
Std Dev 1.525e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

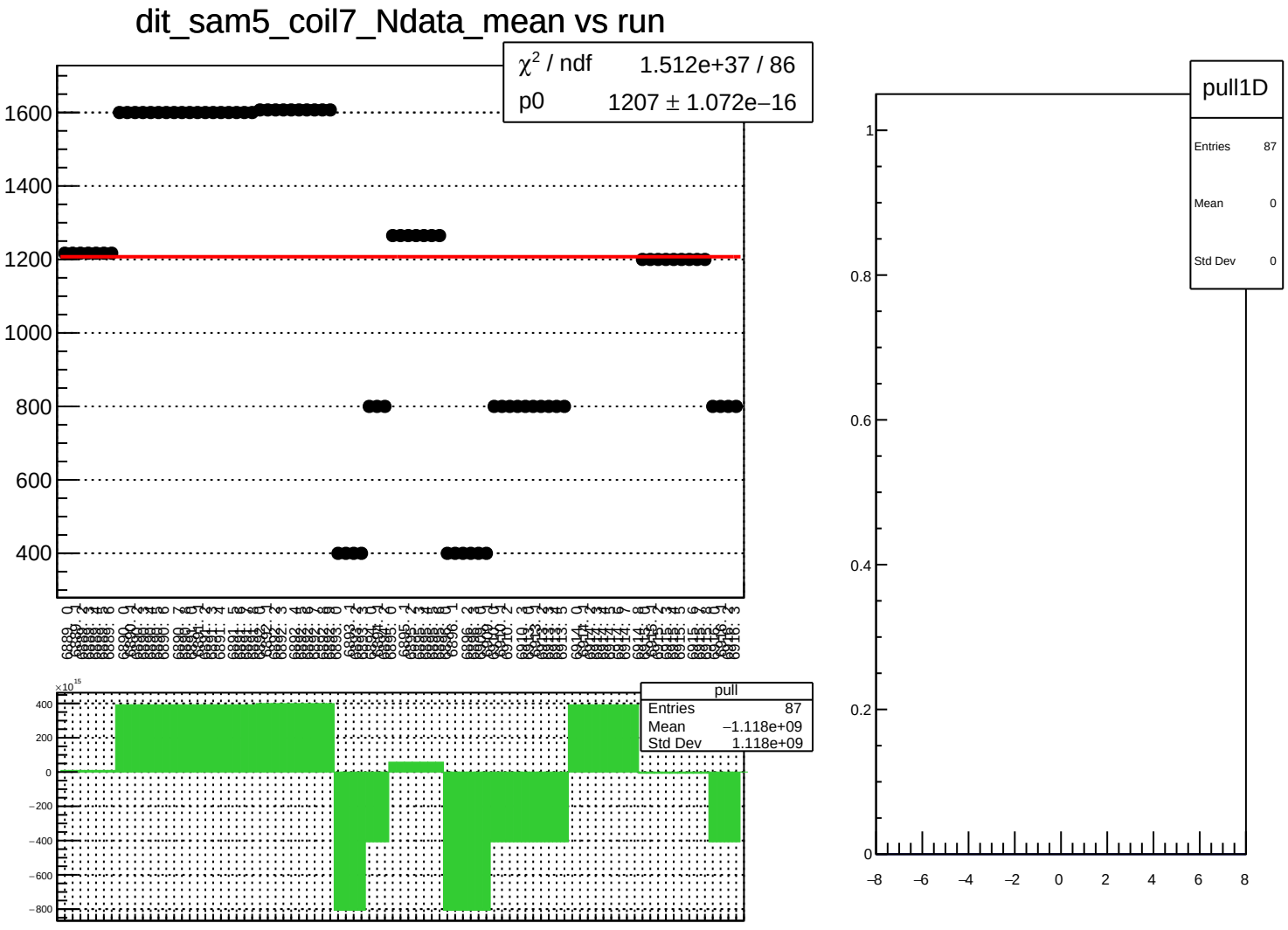

dit_sam4_coil7_err_mean vs run
χ^2 / ndf 3.834e+36 / 86
p0 1023 ± 1.072e−16
1800
1600
1400
1200
1000
800
pull
Entries 87
Mean −5.768e+08
Std Dev 5.768e+08
×10^15
600
400
200
0
−200

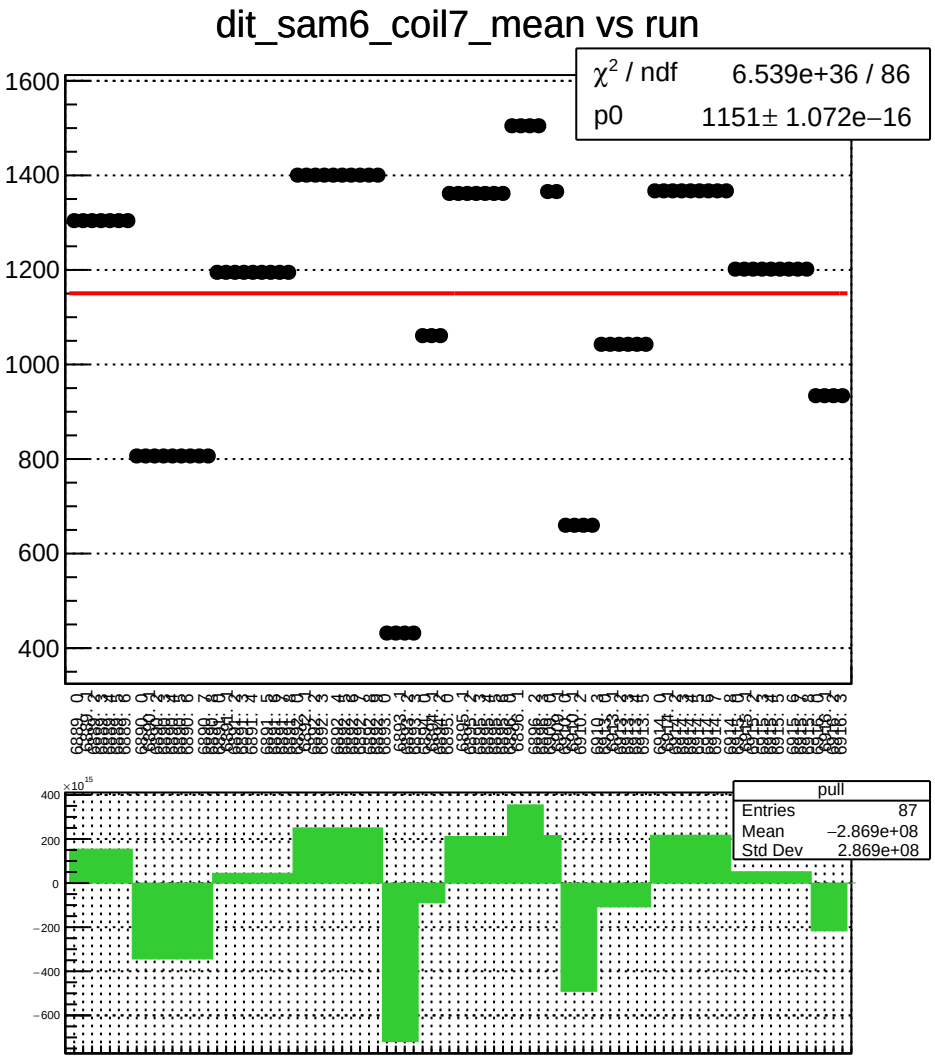

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

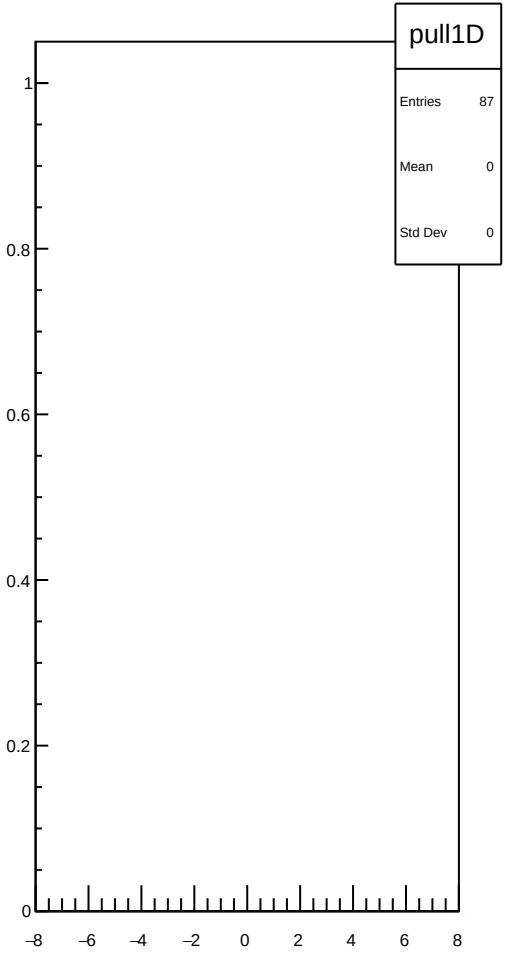

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

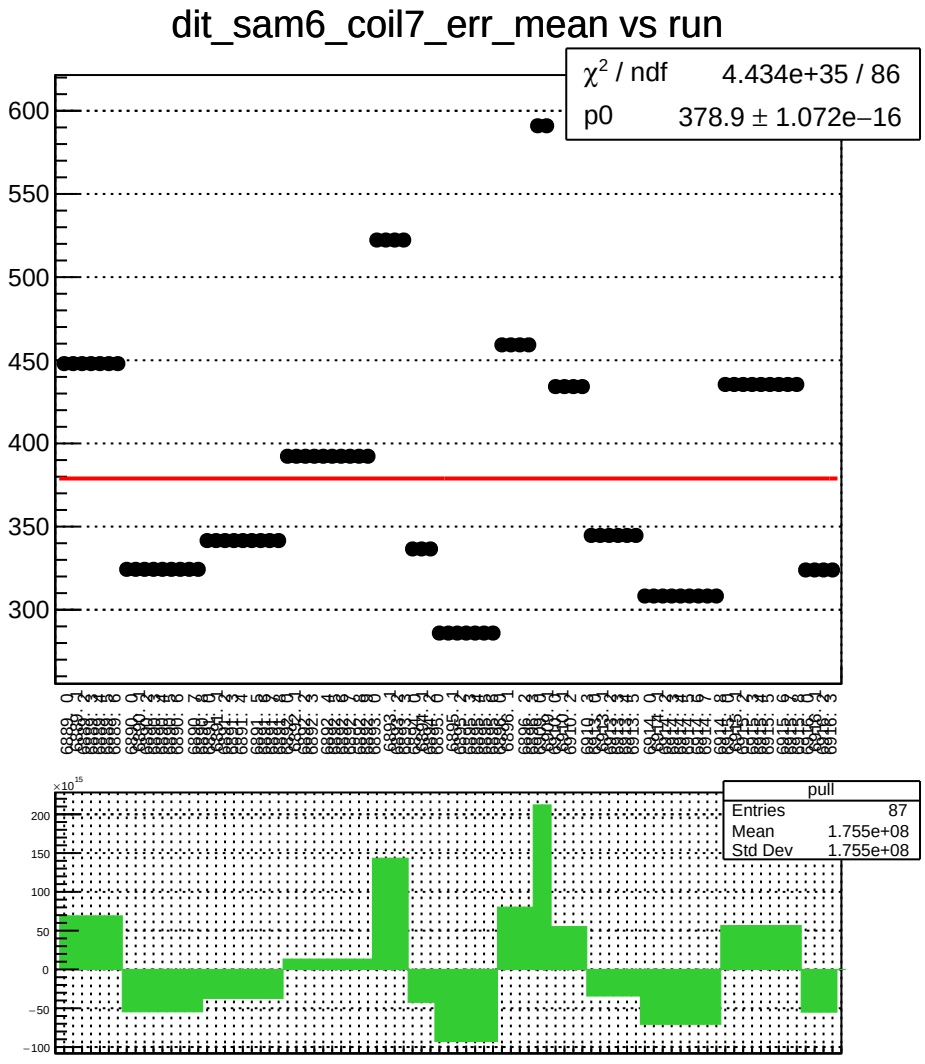

dit_sam5_coil7_mean vs run
χ² / ndf 3.346e+36 / 86
p0 −1272 ± 1.072e−16
−1000
−1100
−1200
−1300
−1400
−1500
−1600
−1700
pull
Entries 87
Mean −5.185e+08
Std Dev 5.185e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

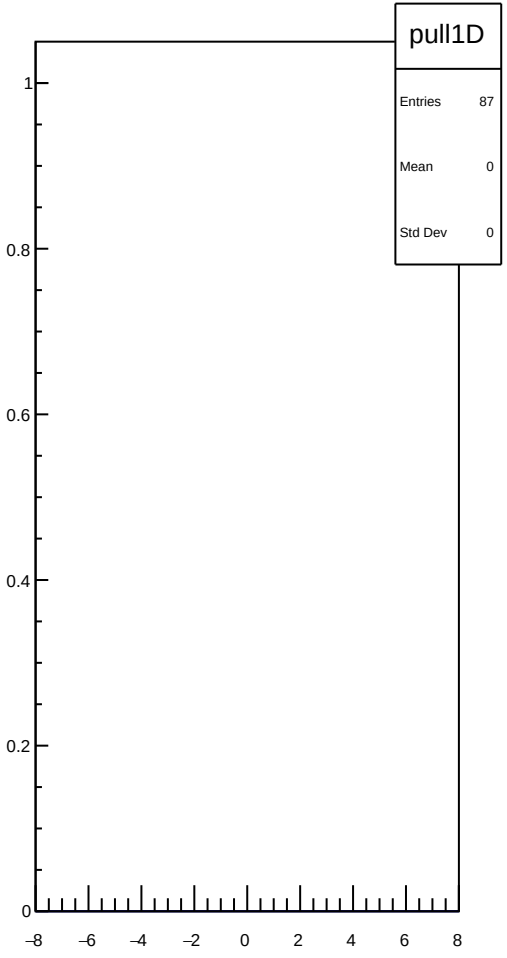

dit_sam5_coil7_err_mean vs run
χ² / ndf 1.712e+35 / 86
p0 234.3 ± 1.072e−16
pull
Entries 87
Mean −3.086e+09
Std Dev 3.086e+09
pull1D
Entries 87
Mean 0
Std Dev 0

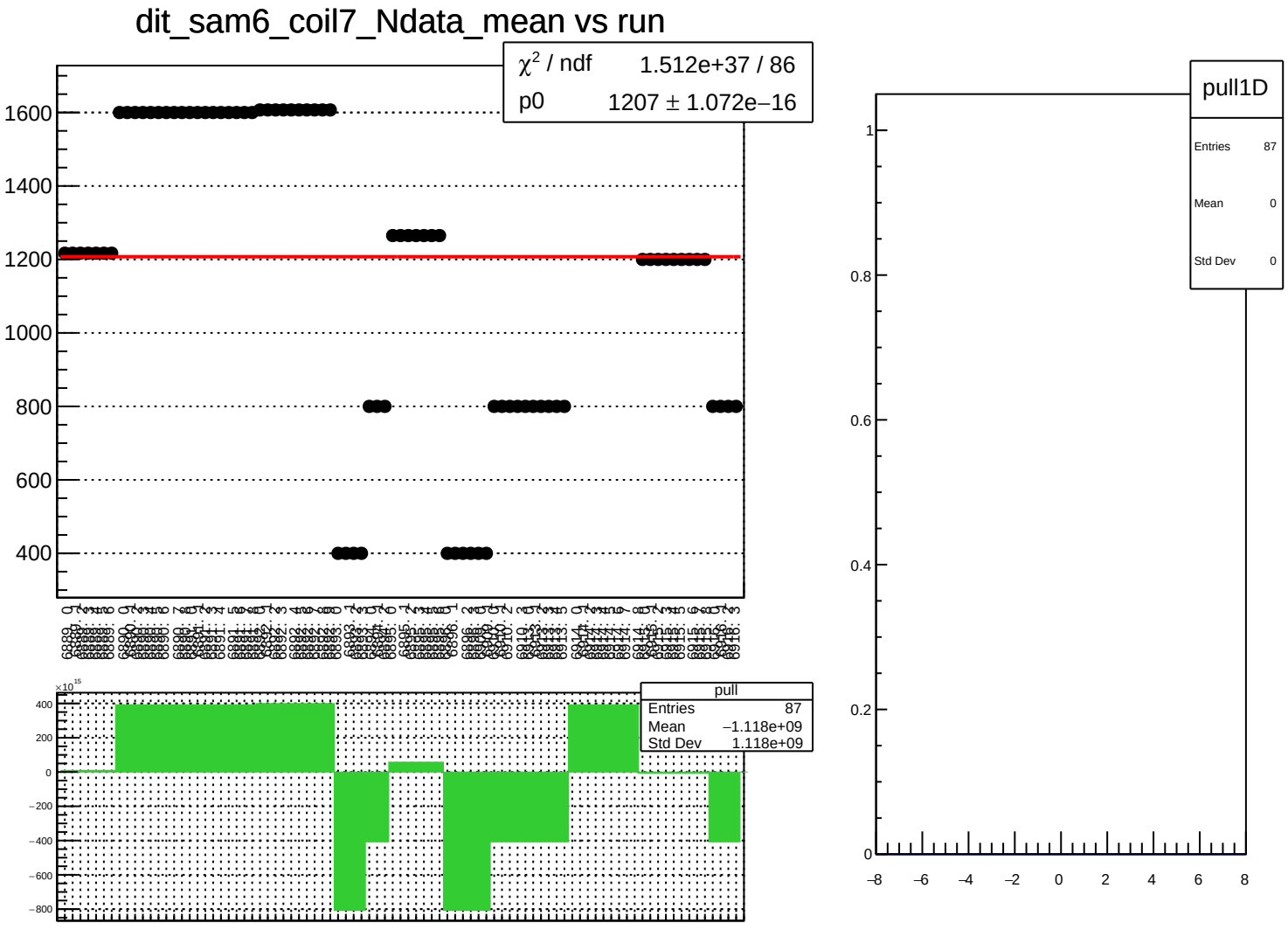

dit_sam5_coil7_Ndata_mean vs run
χ^2 / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

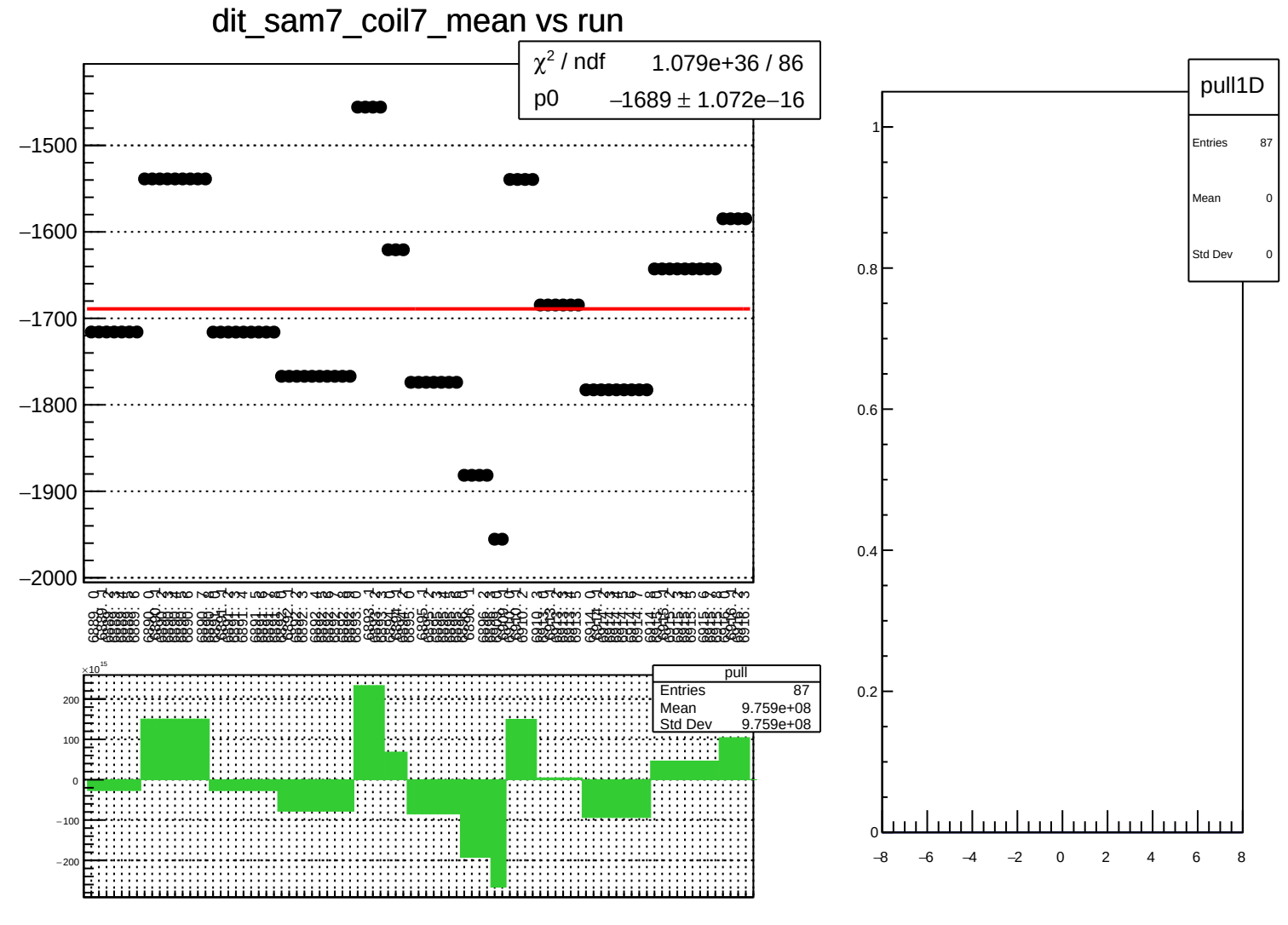

dit_sam6_coil7_mean vs run
χ² / ndf 6.539e+36 / 86
p0 1151± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −2.869e+08
Std Dev 2.869e+08
×10¹⁵
400
200
0
−200
−400
−600

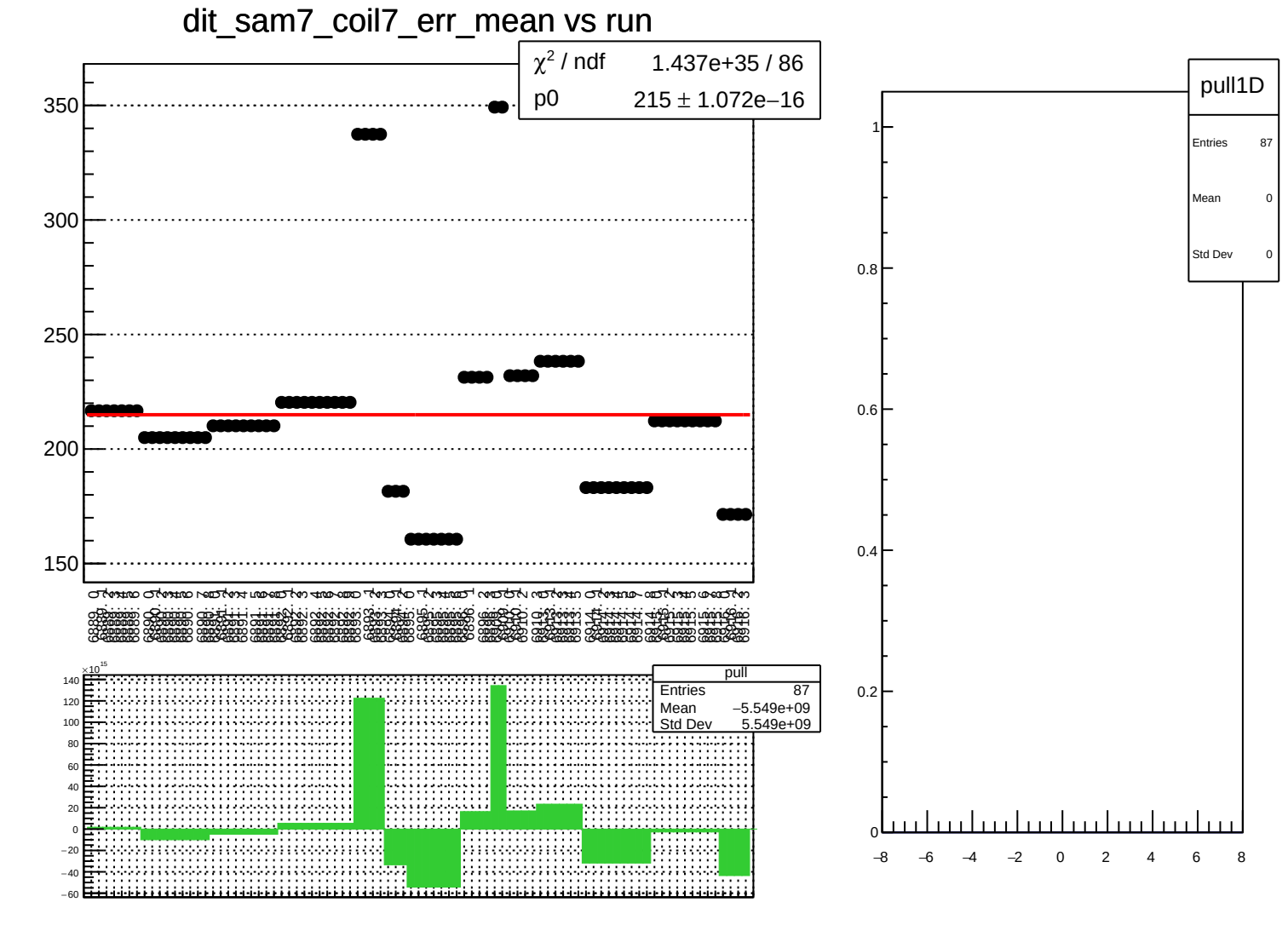

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

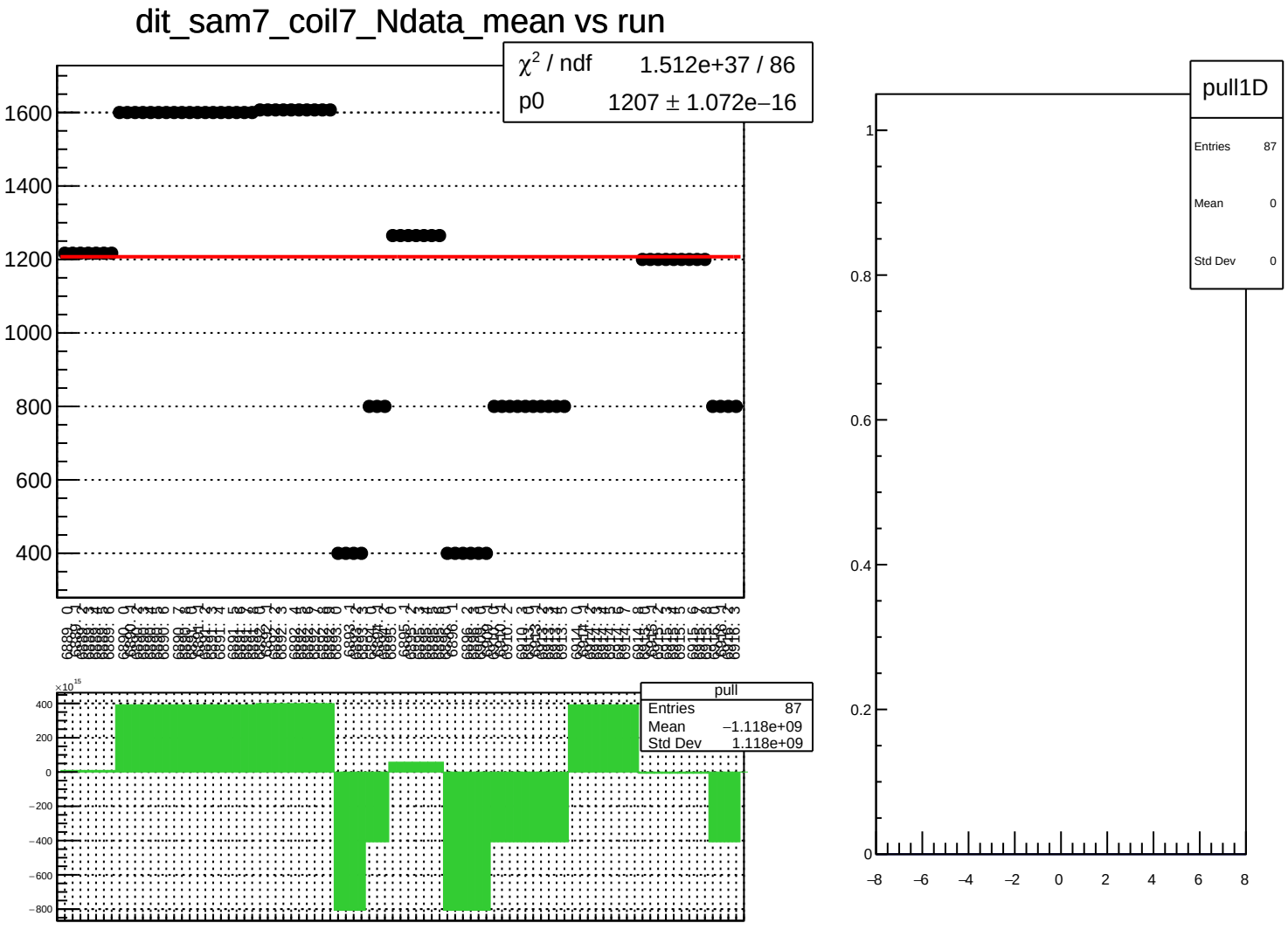

dit_sam6_coil7_err_mean vs run
χ² / ndf 4.434e+35 / 86
p0 378.9 ± 1.072e−16
600
550
500
450
400
350
300
pull
Entries 87
Mean 1.755e+08
Std Dev 1.755e+08
×10¹⁵
200
150
100
50
0
−50
−100

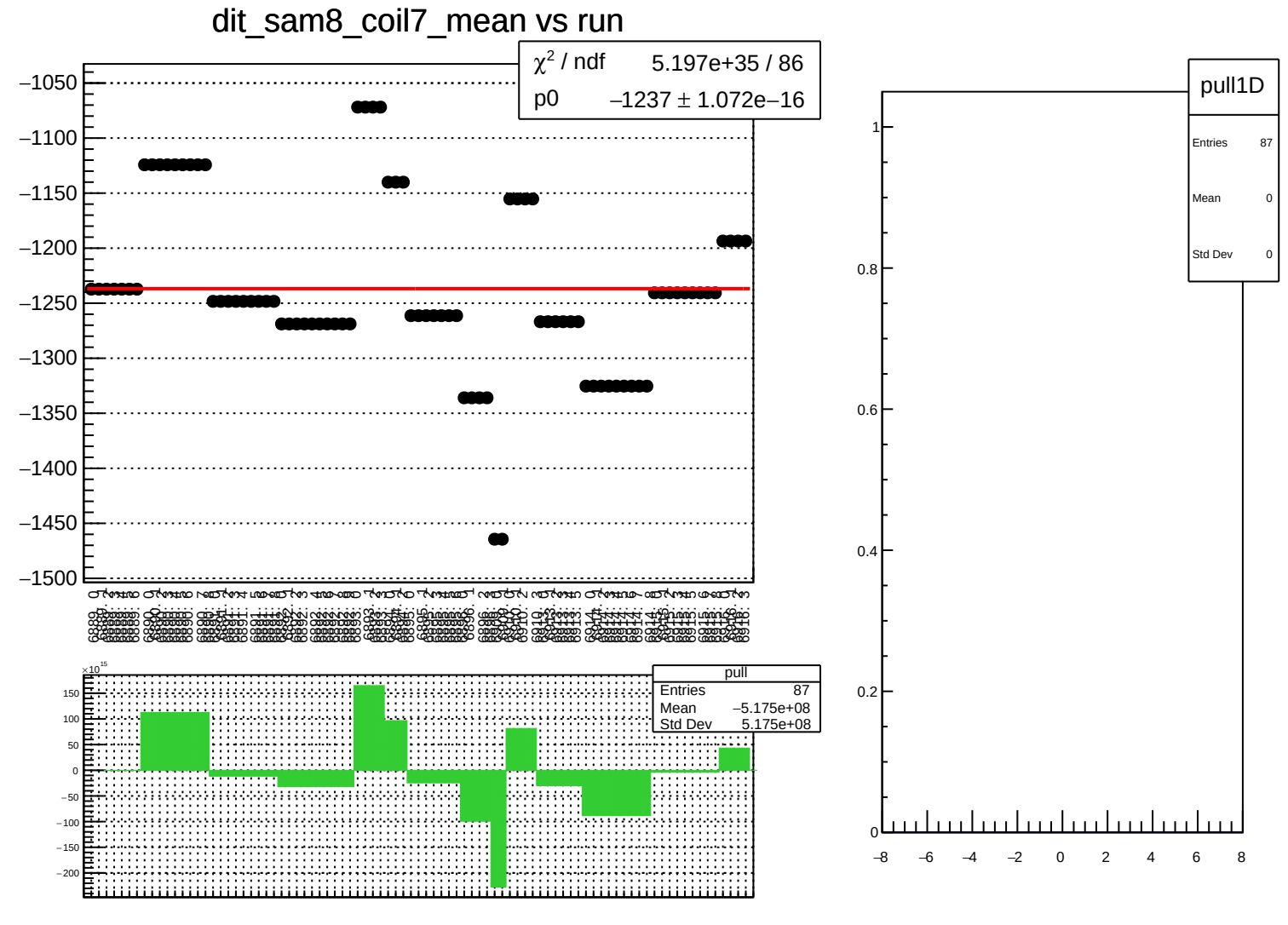

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

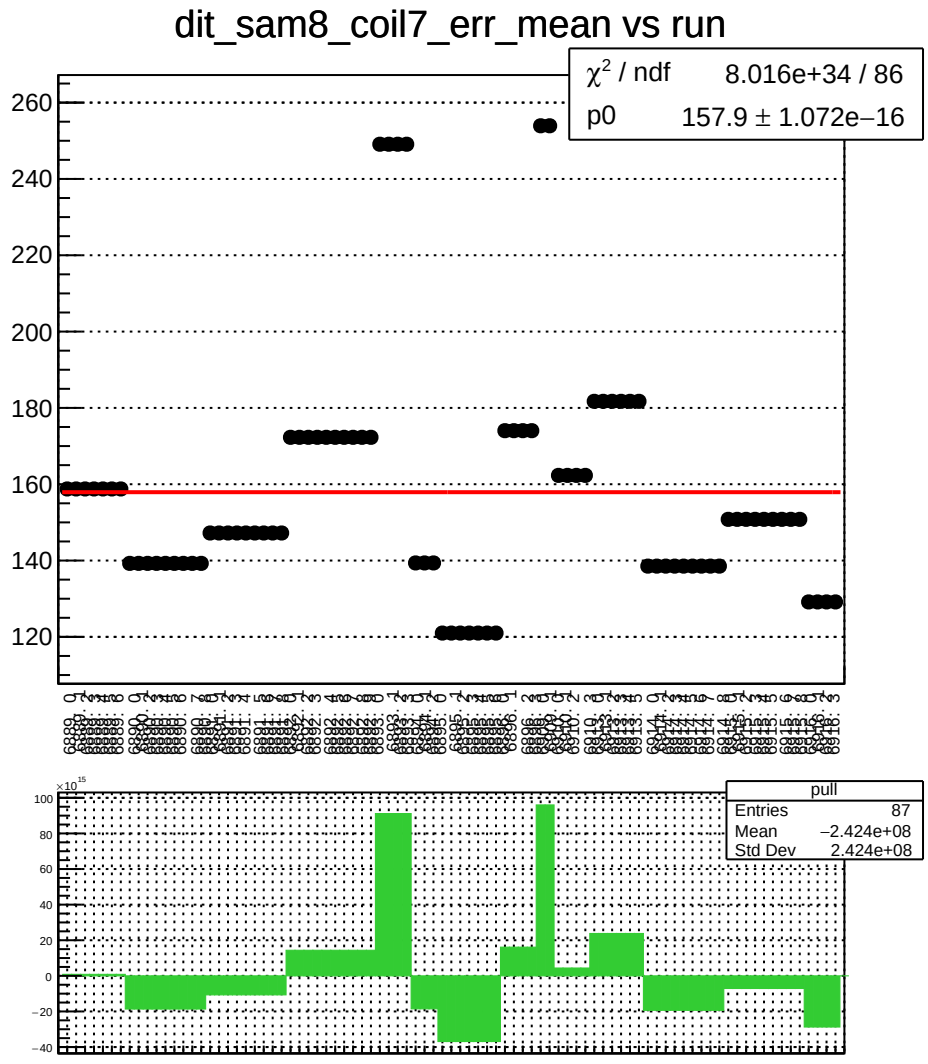

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

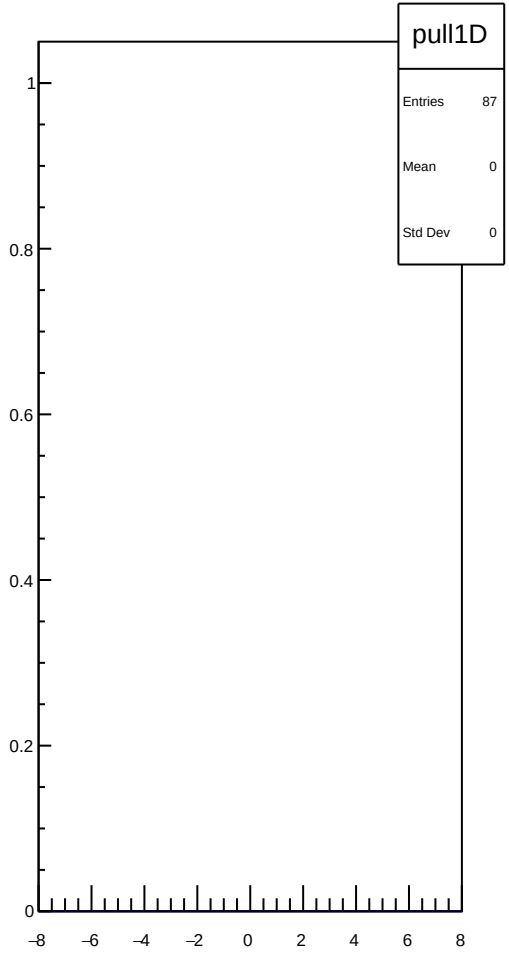

dit_sam7_coil7_mean vs run
χ² / ndf 1.079e+36 / 86
p0 −1689 ± 1.072e−16
−1500
−1600
−1700
−1800
−1900
−2000
pull
Entries 87
Mean 9.759e+08
Std Dev 9.759e+08
×10¹⁵
200
100
0
−100
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

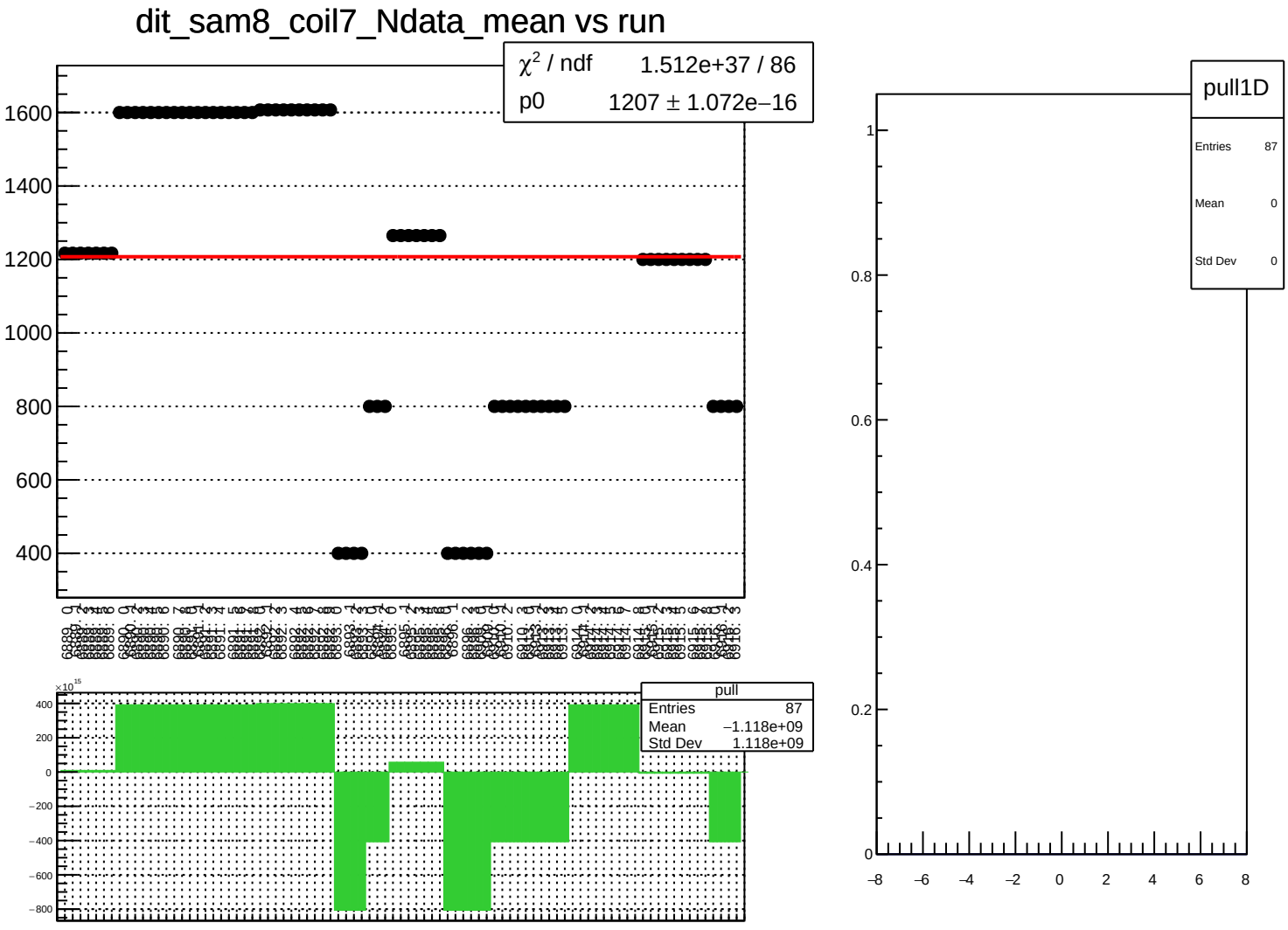

dit_sam7_coil7_err_mean vs run
χ² / ndf 1.437e+35 / 86
p0 215 ± 1.072e−16
350
300
250
200
150
pull
Entries 87
Mean −5.549e+09
Std Dev 5.549e+09
×10^15
140
120
100
80
60
40
20
0
−20
−40
−60
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

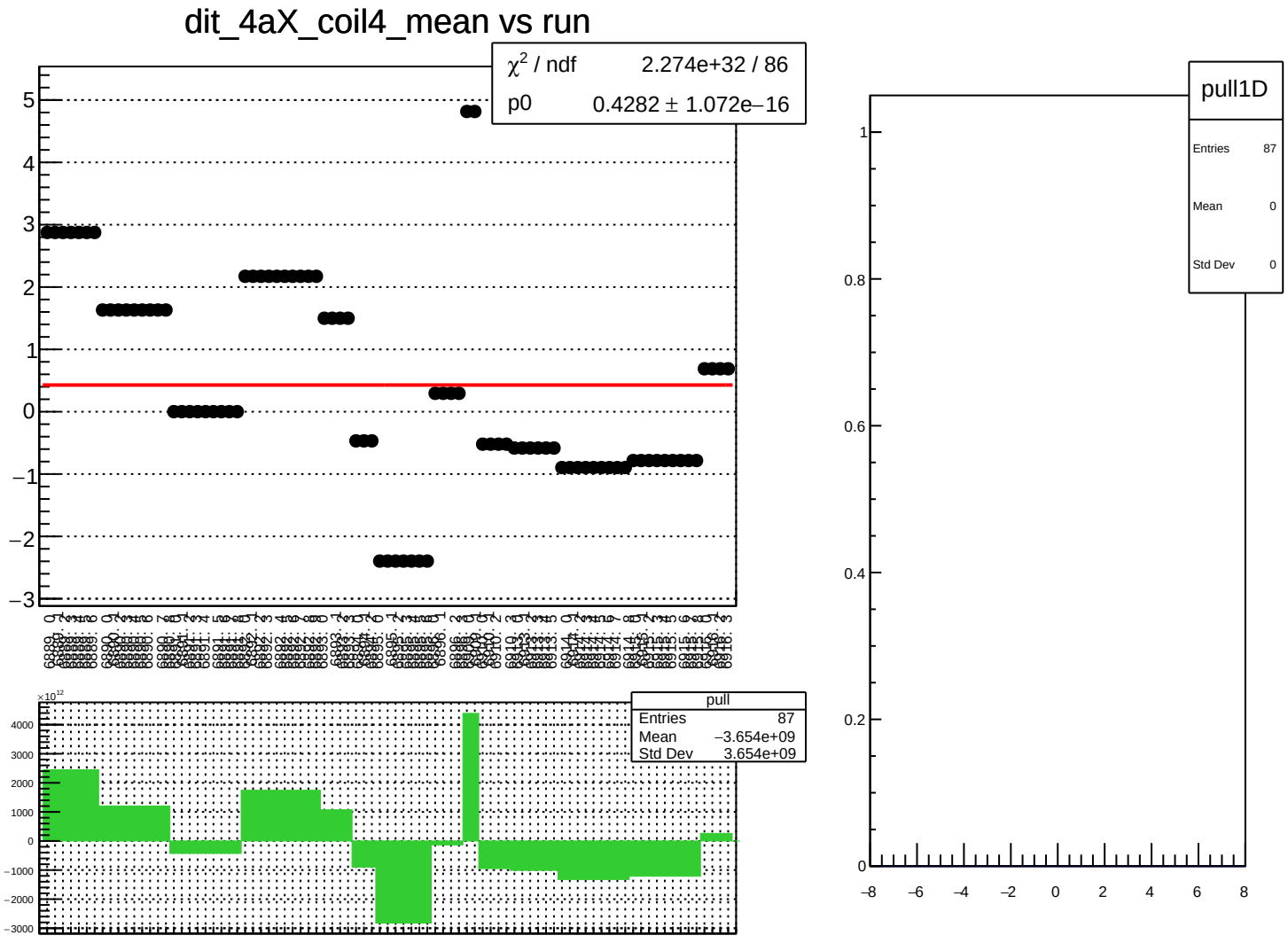

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

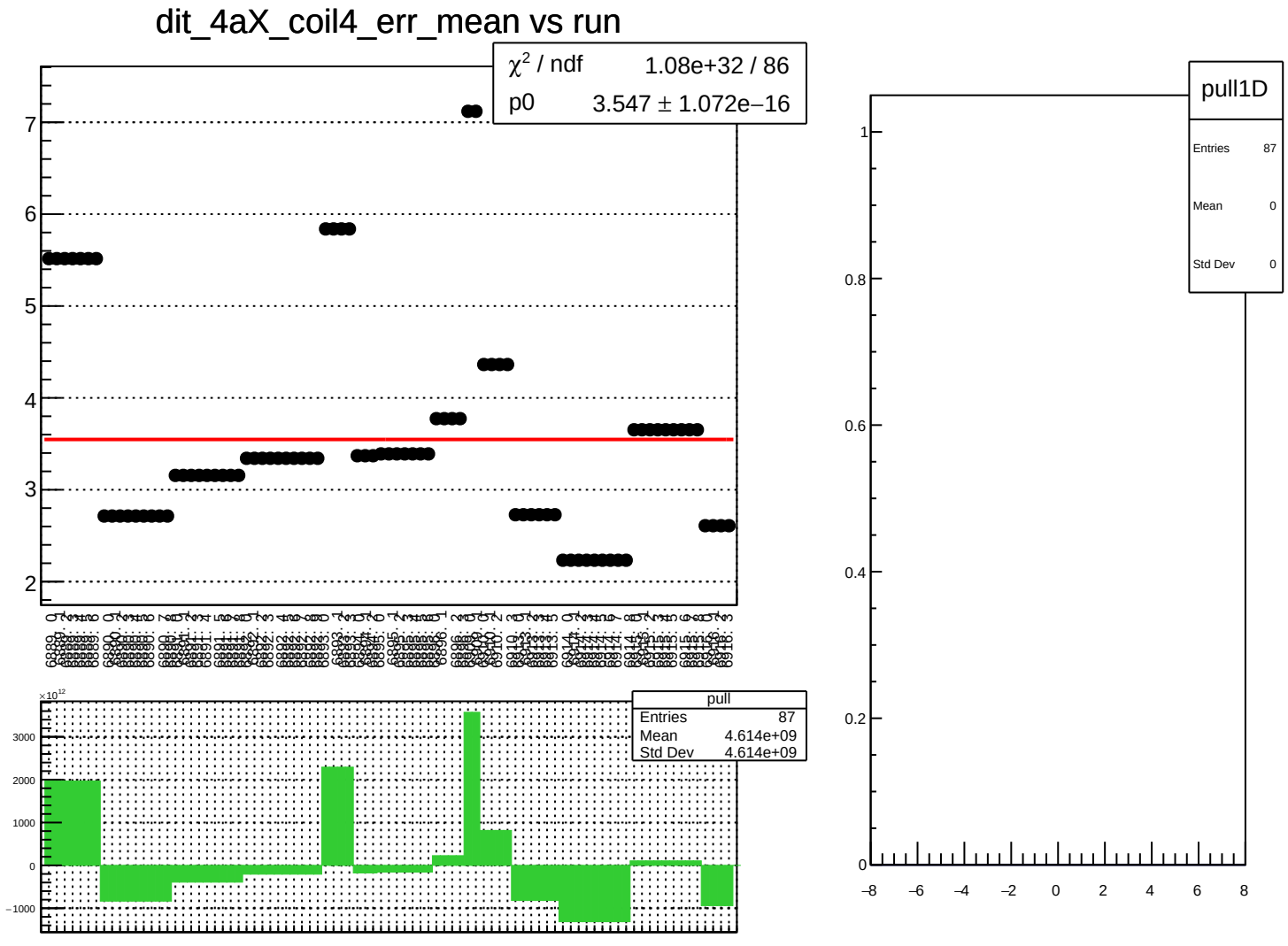

dit_sam8_coil7_mean vs run
χ² / ndf 5.197e+35 / 86
p0 −1237 ± 1.072e−16
−1050
−1100
−1150
−1200
−1250
−1300
−1350
−1400
−1450
−1500
pull
Entries 87
Mean −5.175e+08
Std Dev 5.175e+08
×10¹⁵
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil7_err_mean vs run
χ² / ndf 8.016e+34 / 86
p0 157.9 ± 1.072e−16
pull
Entries 87
Mean −2.424e+08
Std Dev 2.424e+08

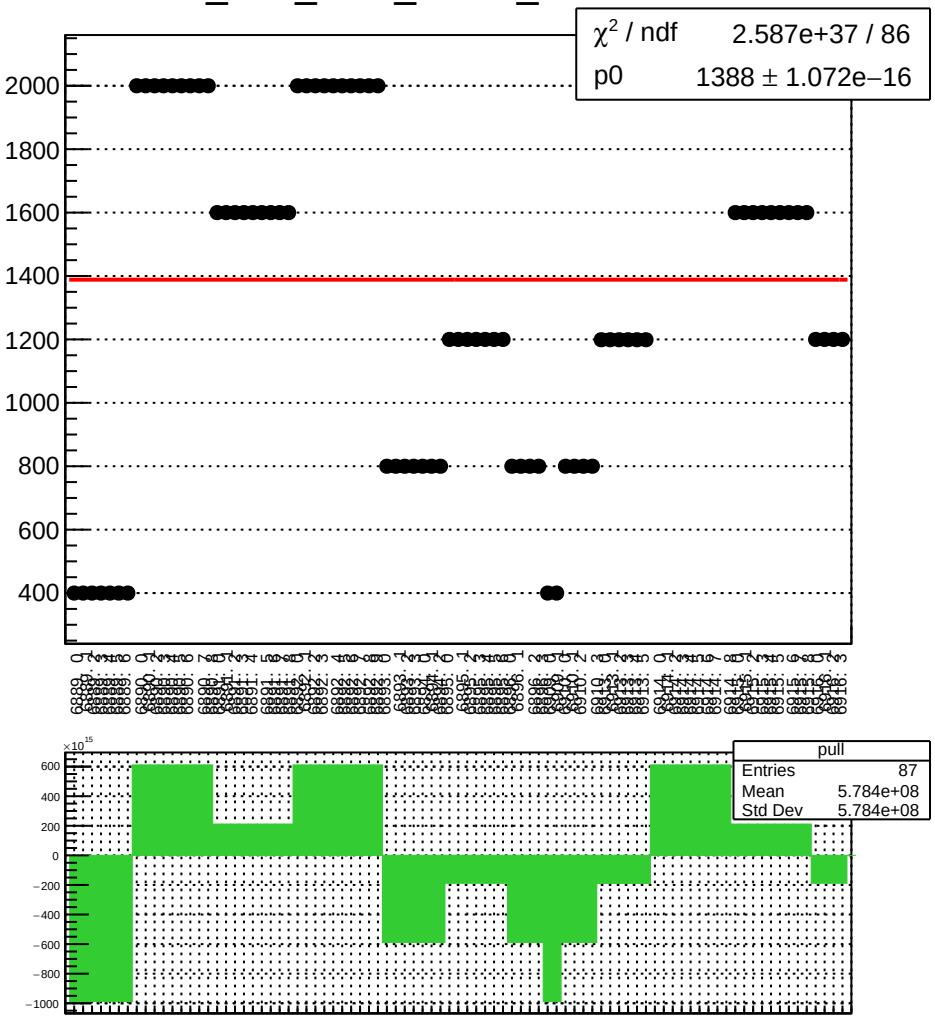

pull1D
Entries 87
Mean 0
Std Dev 0

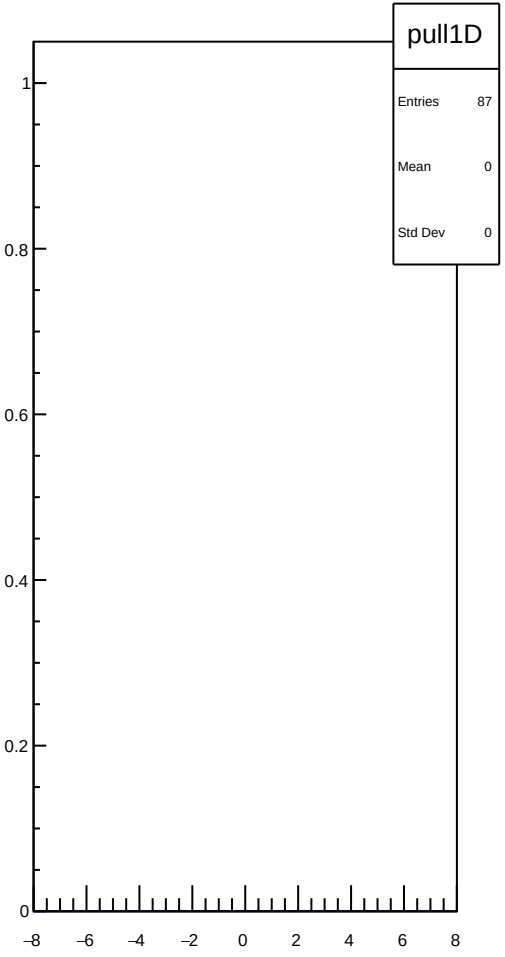

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 1.512e+37 / 86
p0 1207 ± 1.072e−16
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.118e+09
Std Dev 1.118e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

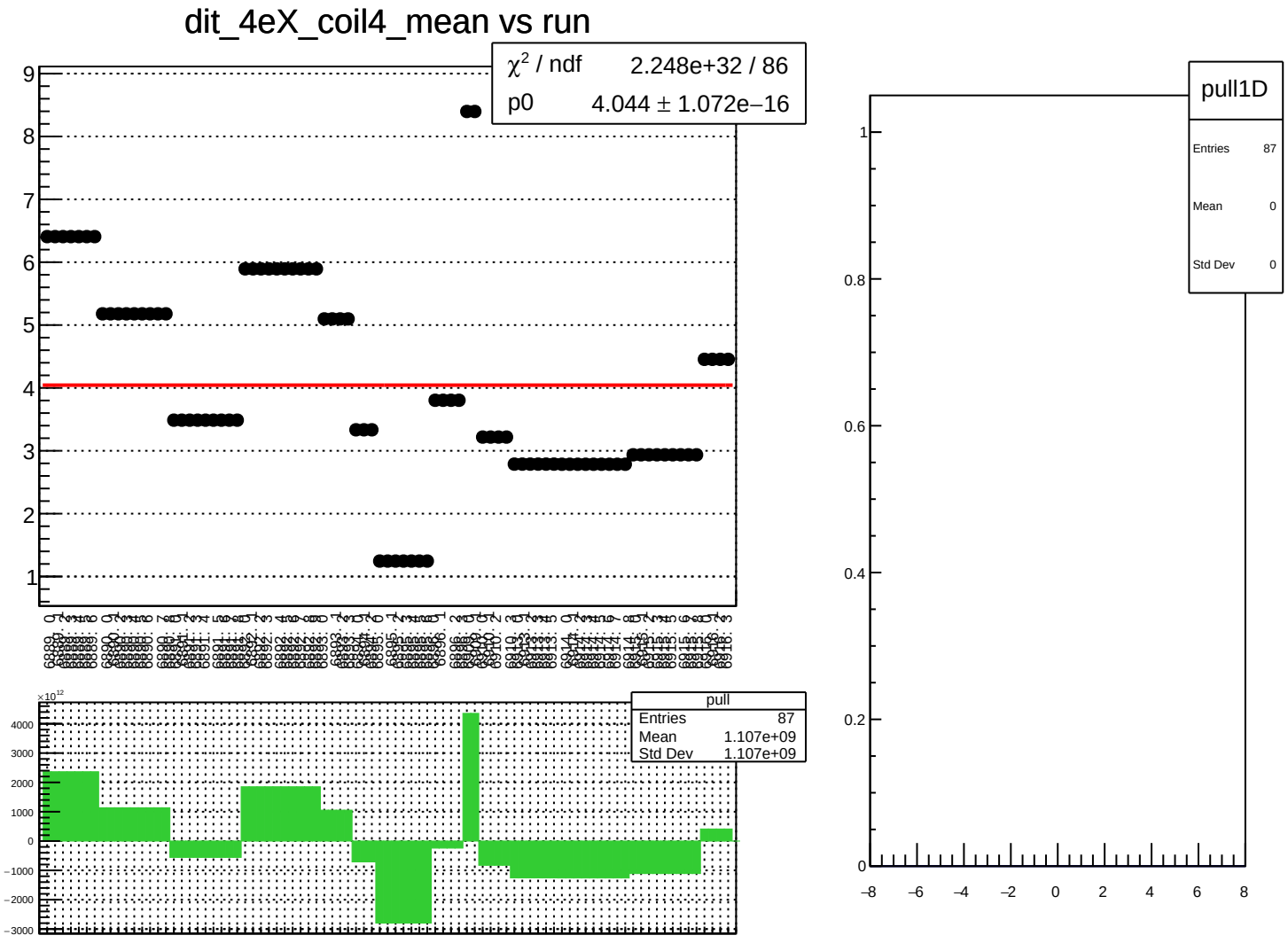

dit_4aX_coil4_mean vs run
χ^2 / ndf 2.274e+32 / 86
p0 0.4282 ± 1.072e−16
pull
Entries 87
Mean −3.654e+09
Std Dev 3.654e+09
pull1D
Entries 87
Mean 0
Std Dev 0

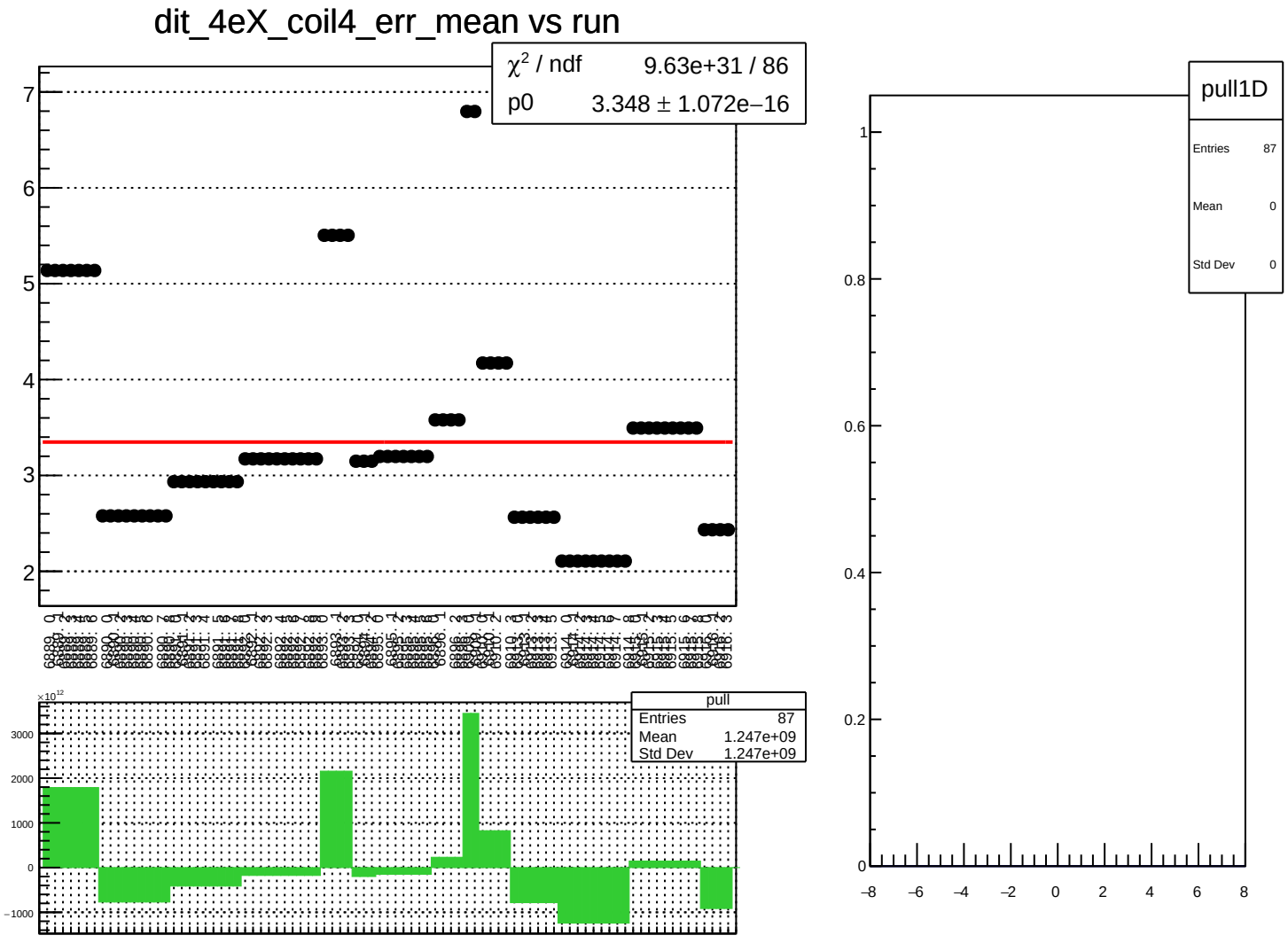

dit_4aX_coil4_err_mean vs run
χ² / ndf 1.08e+32 / 86
p0 3.547 ± 1.072e−16
pull
Entries 87
Mean 4.614e+09
Std Dev 4.614e+09
pull1D
Entries 87
Mean 0
Std Dev 0

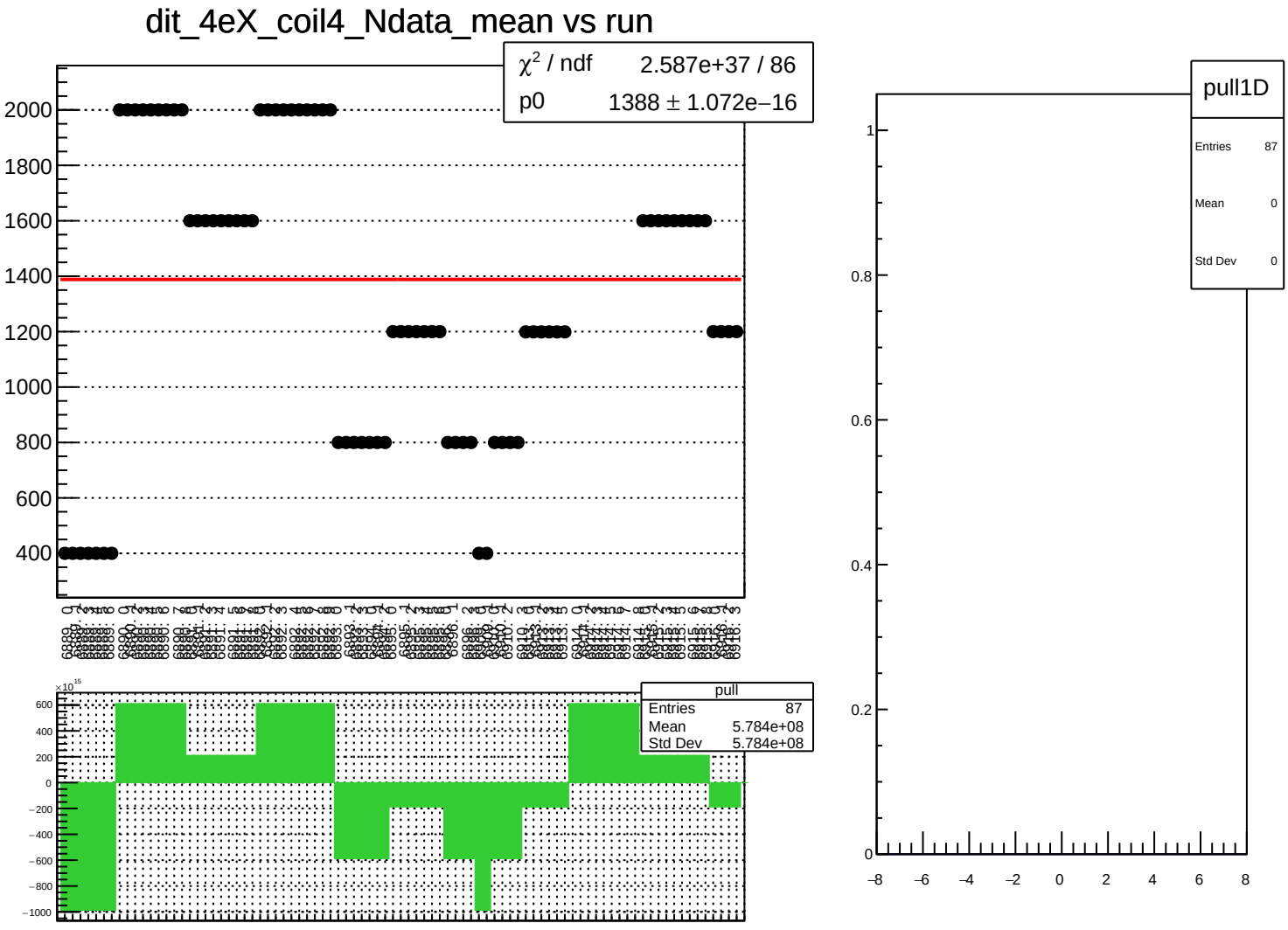
dit_4aX_coil4_Ndata_mean vs run

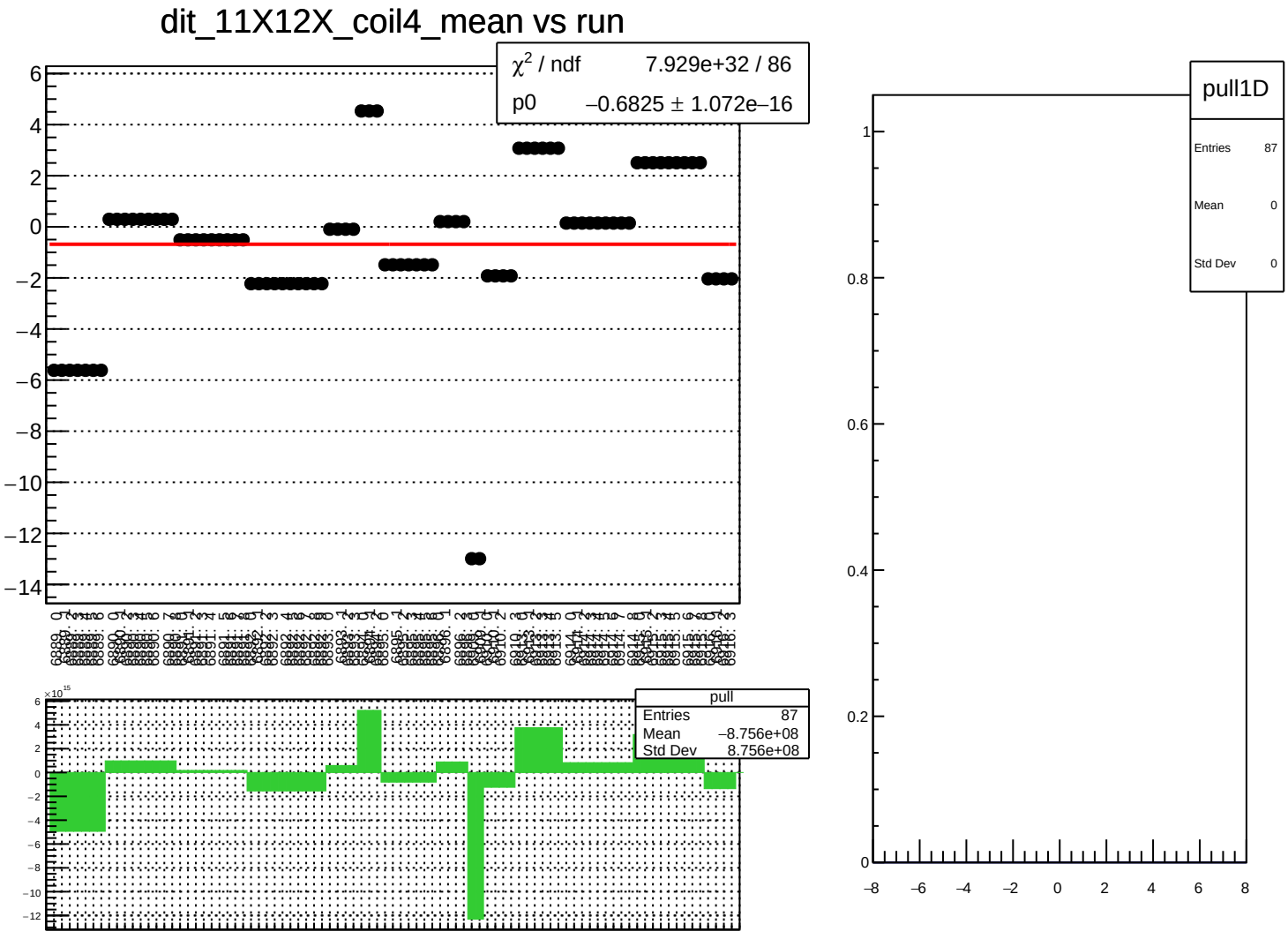




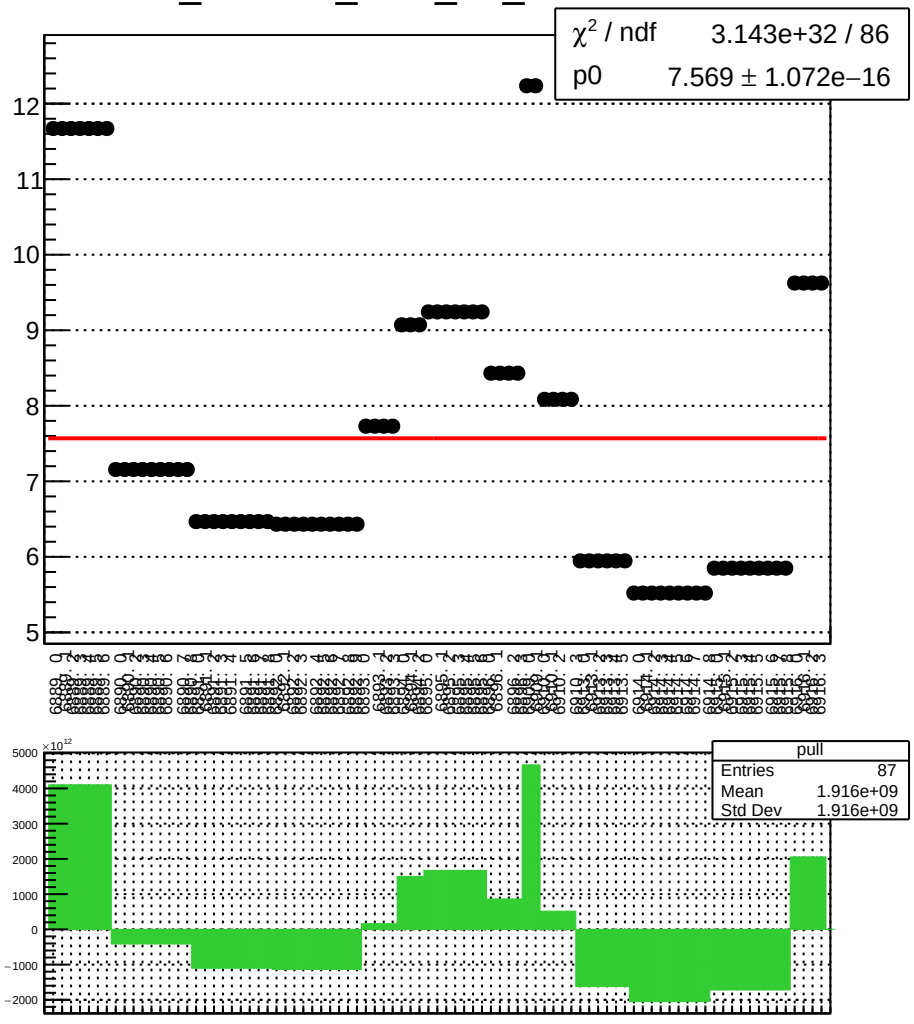

dit_4eX_coil4_mean vs run
χ^2 / ndf 2.248e+32 / 86
p0 4.044 ± 1.072e−16
pull
Entries 87
Mean 1.107e+09
Std Dev 1.107e+09
pull1D
Entries 87
Mean 0
Std Dev 0

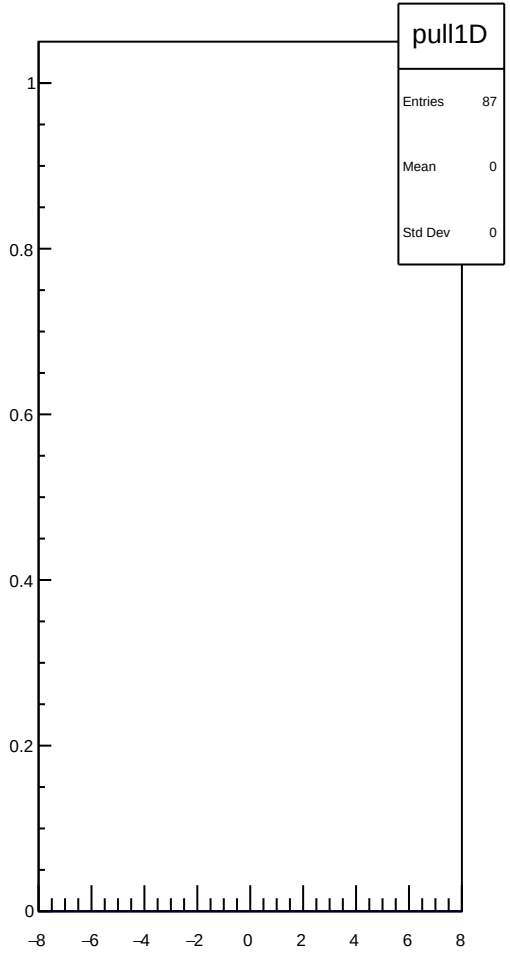

dit_4eX_coil4_err_mean vs run
χ² / ndf 9.63e+31 / 86
p0 3.348 ± 1.072e−16
pull
Entries 87
Mean 1.247e+09
Std Dev 1.247e+09
pull1D
Entries 87
Mean 0
Std Dev 0


dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

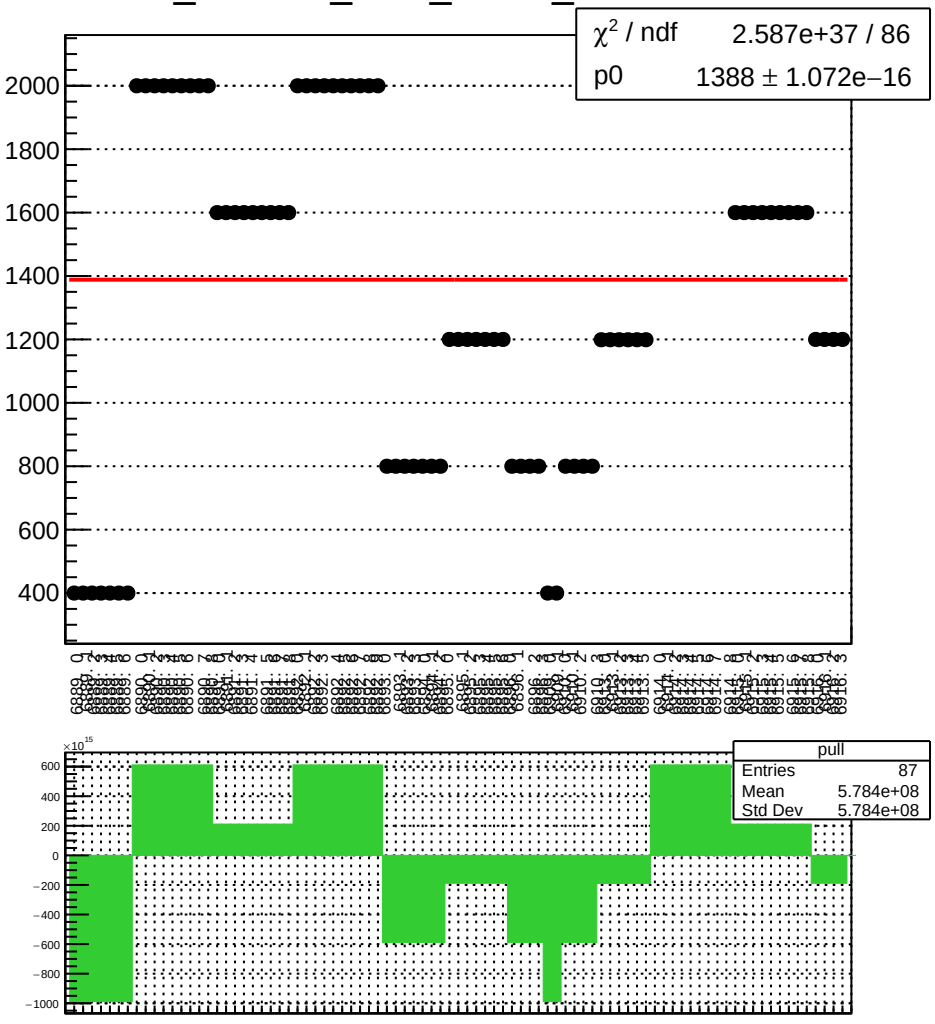

dit_11X12X_coil4_mean vs run
χ² / ndf 7.929e+32 / 86
p0 −0.6825 ± 1.072e−16
pull
Entries 87
Mean −8.756e+08
Std Dev 8.756e+08
pull1D
Entries 87
Mean 0
Std Dev 0

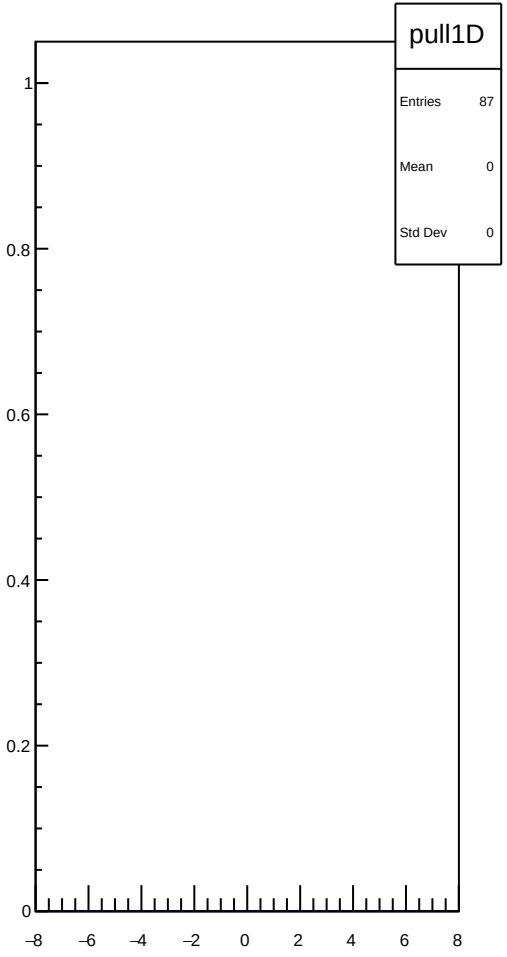
dit_11X12X_coil4_err_mean vs run

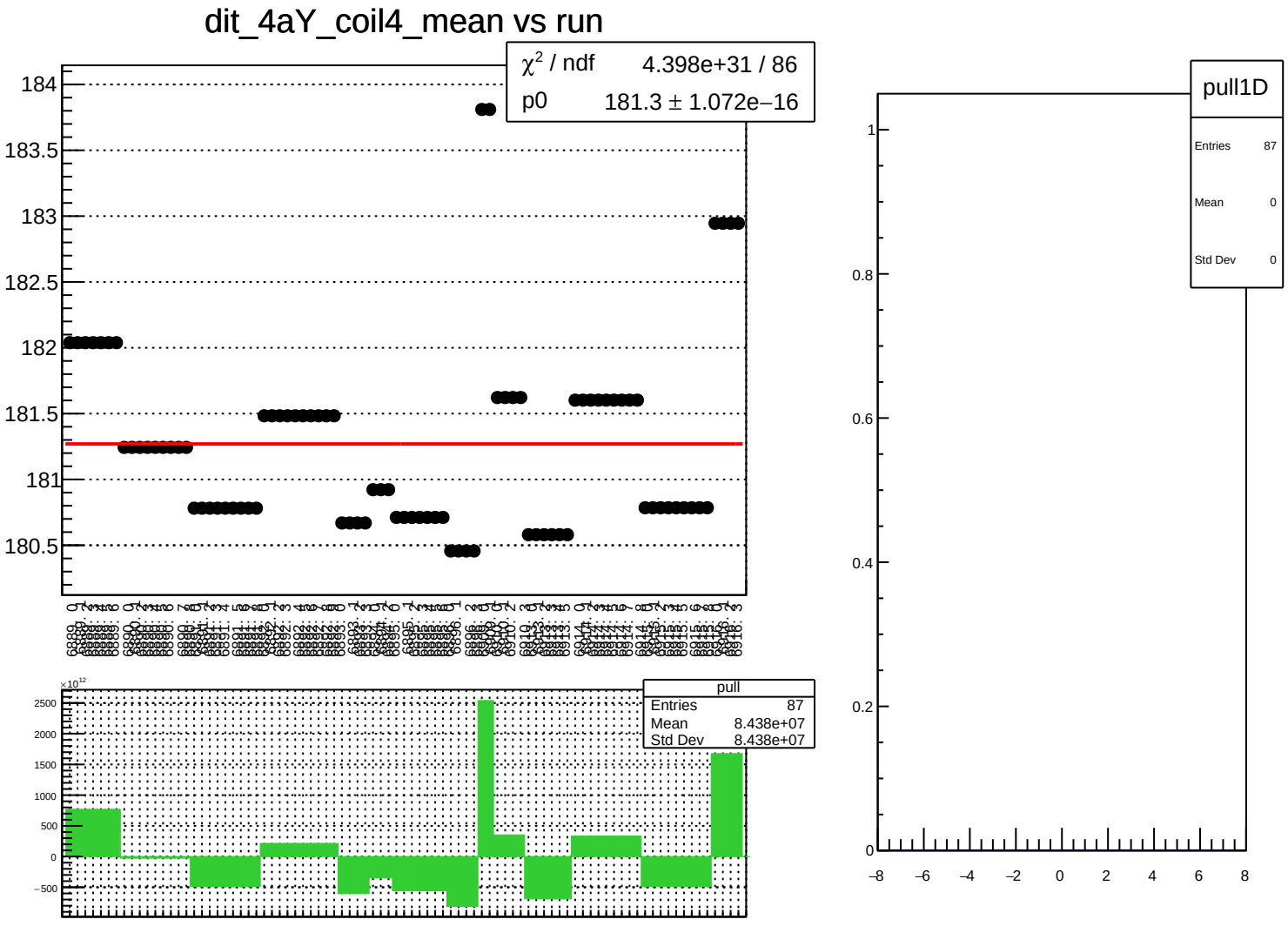


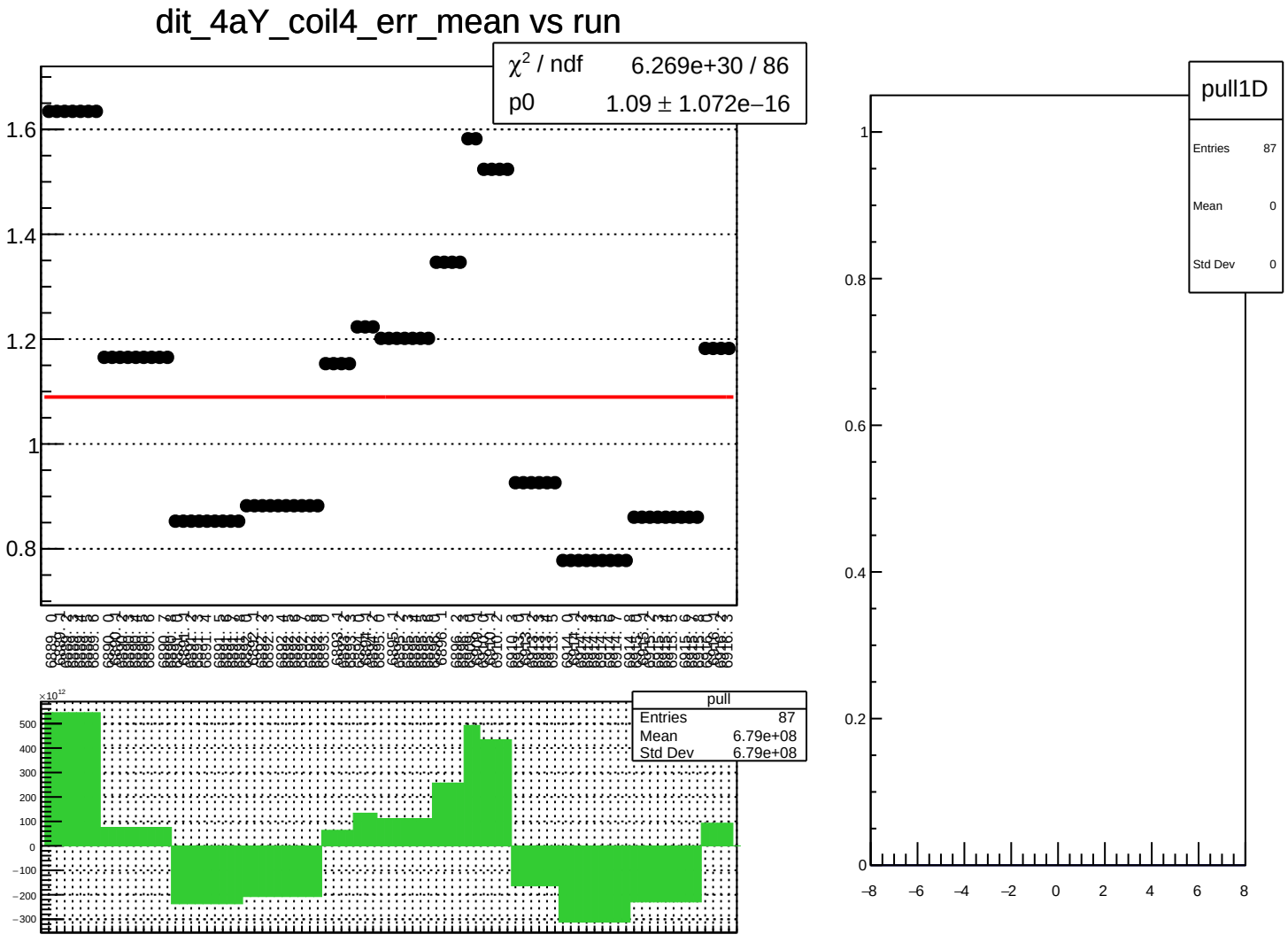


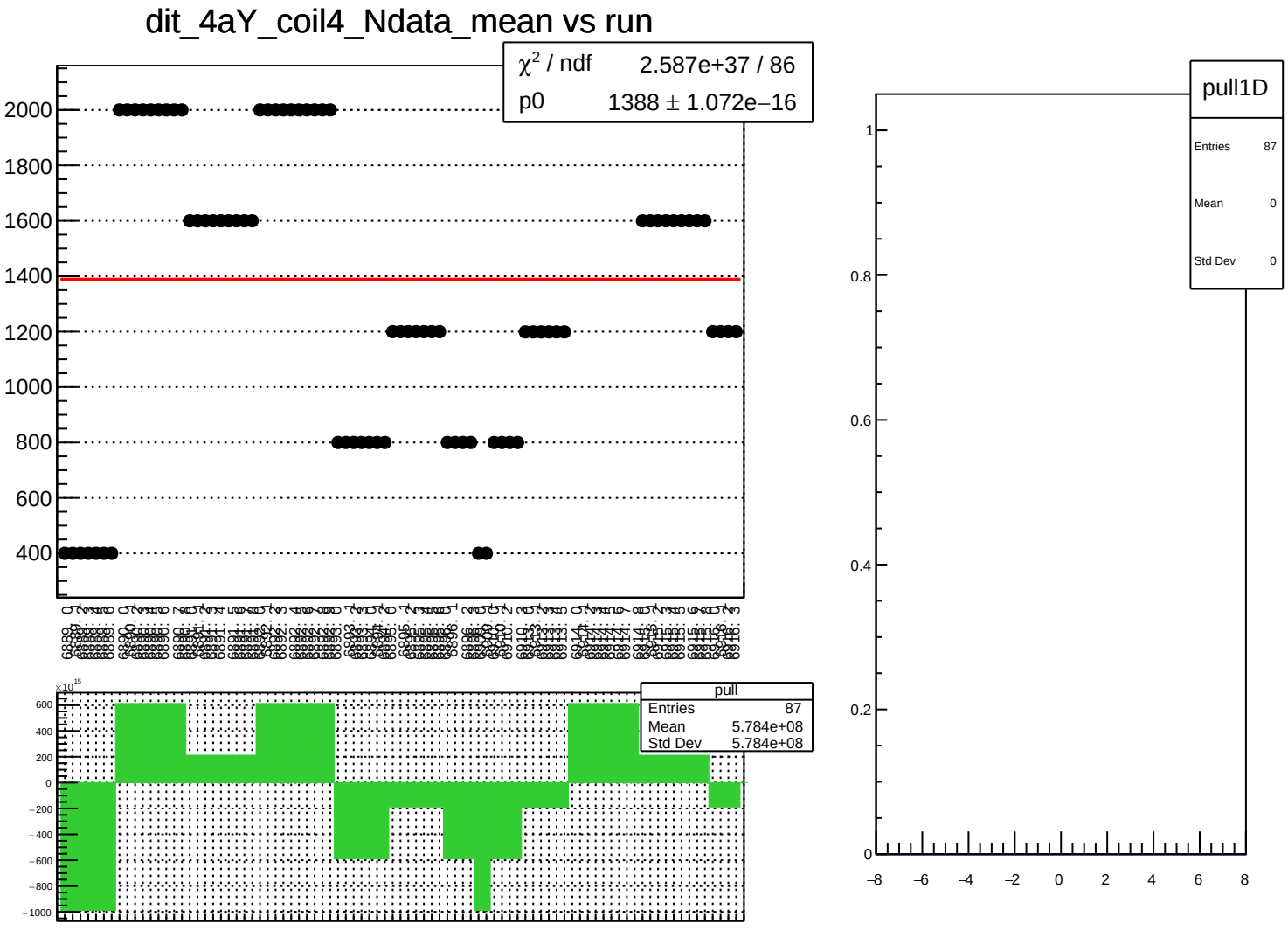
dit_11X12X_coil4_Ndata_mean vs run

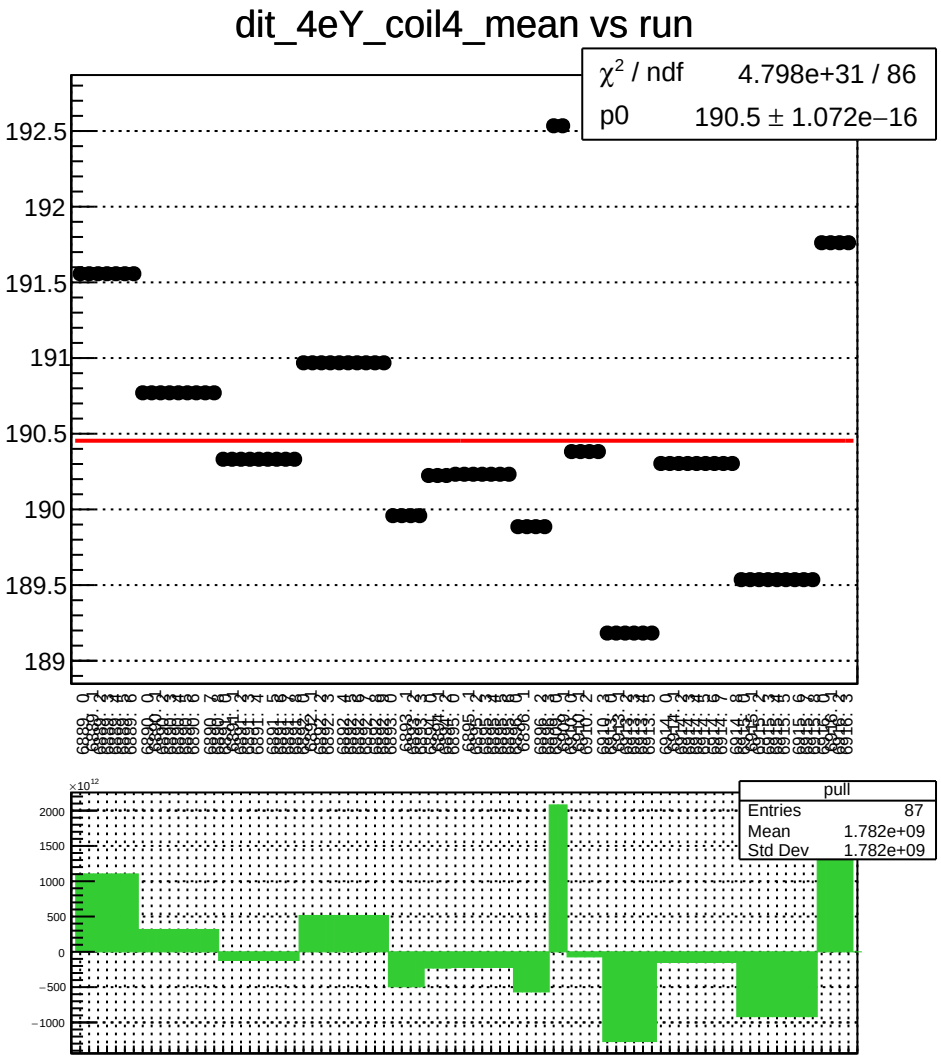


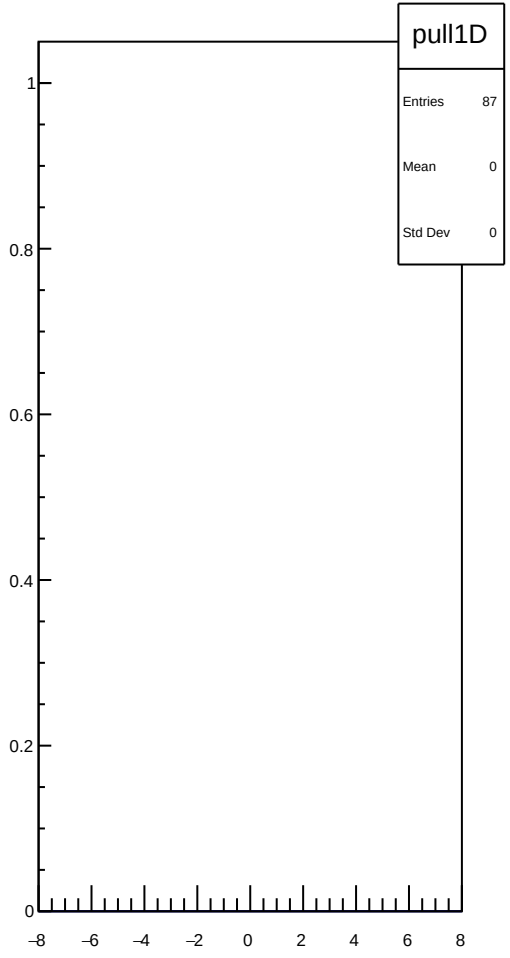


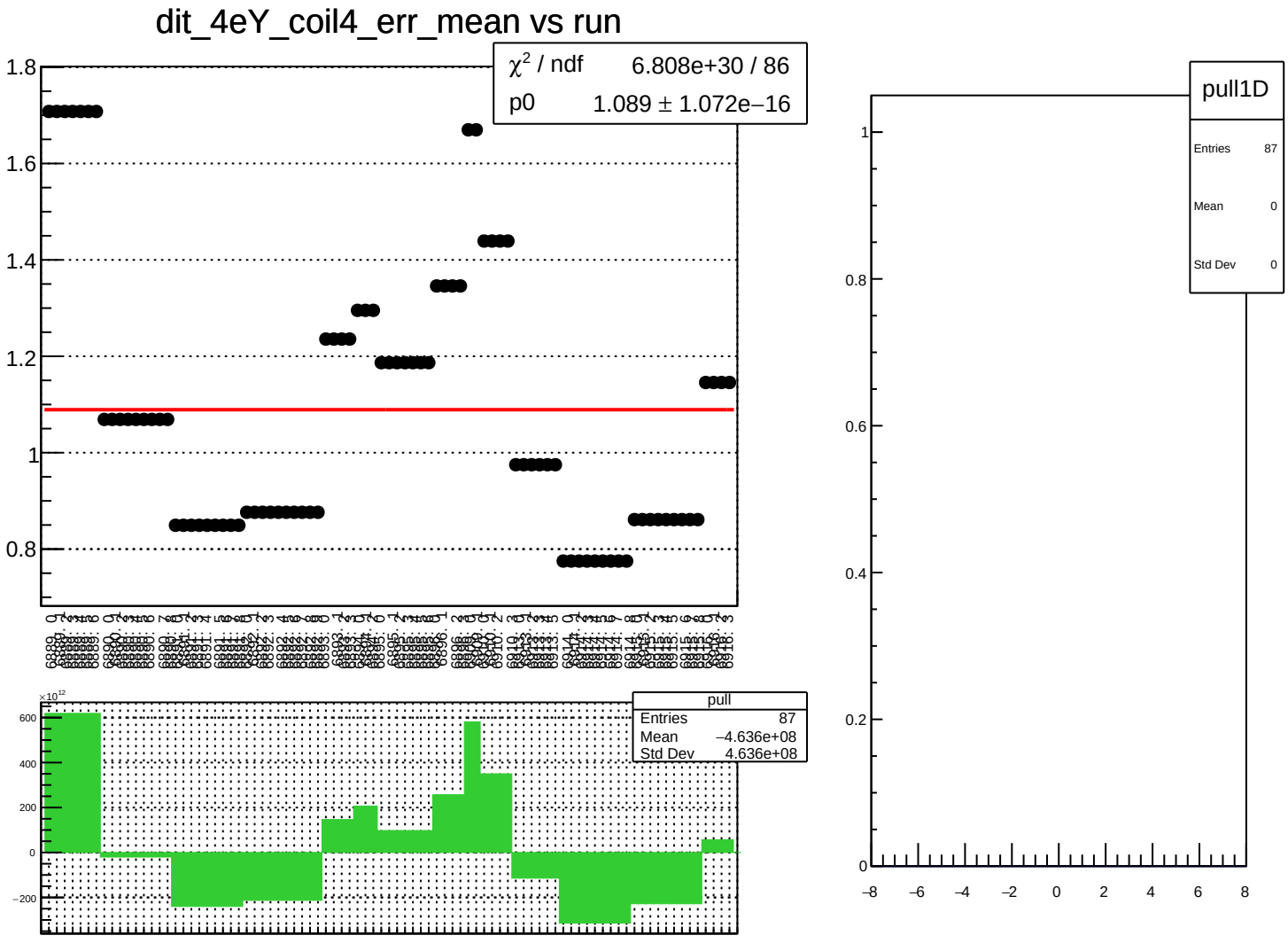

dit_4aY_coil4_mean vs run
χ^2 / ndf 4.398e+31 / 86
p0 181.3 ± 1.072e−16
184
183.5
183
182.5
182
181.5
181
180.5
pull
Entries 87
Mean 8.438e+07
Std Dev 8.438e+07
×10^12
2500
2000
1500
1000
500
0
−500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

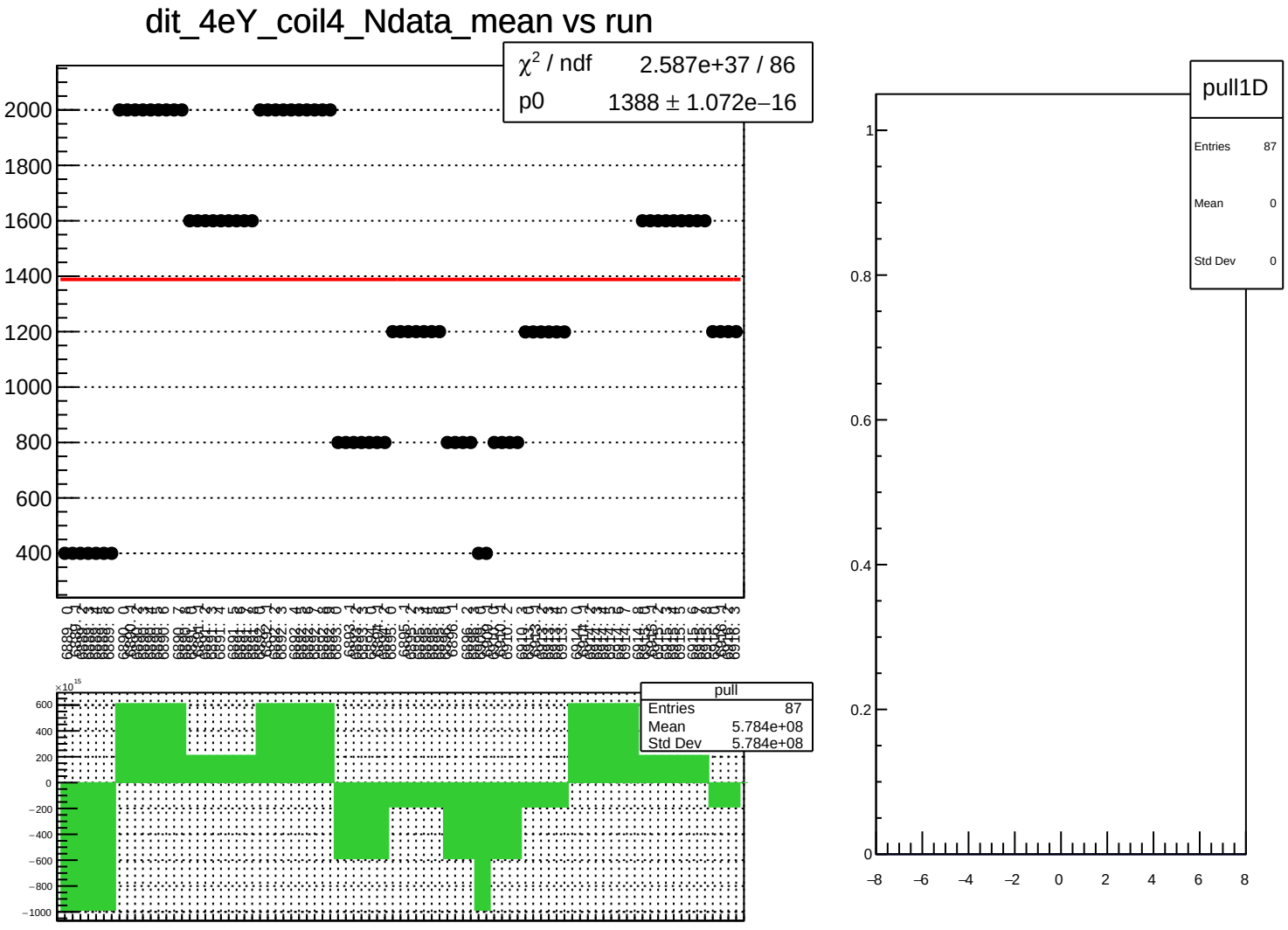

dit_4aY_coil4_err_mean vs run
χ² / ndf 6.269e+30 / 86
p0 1.09 ± 1.072e−16
1.6
1.4
1.2
1
0.8
pull
Entries 87
Mean 6.79e+08
Std Dev 6.79e+08
×10¹²
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

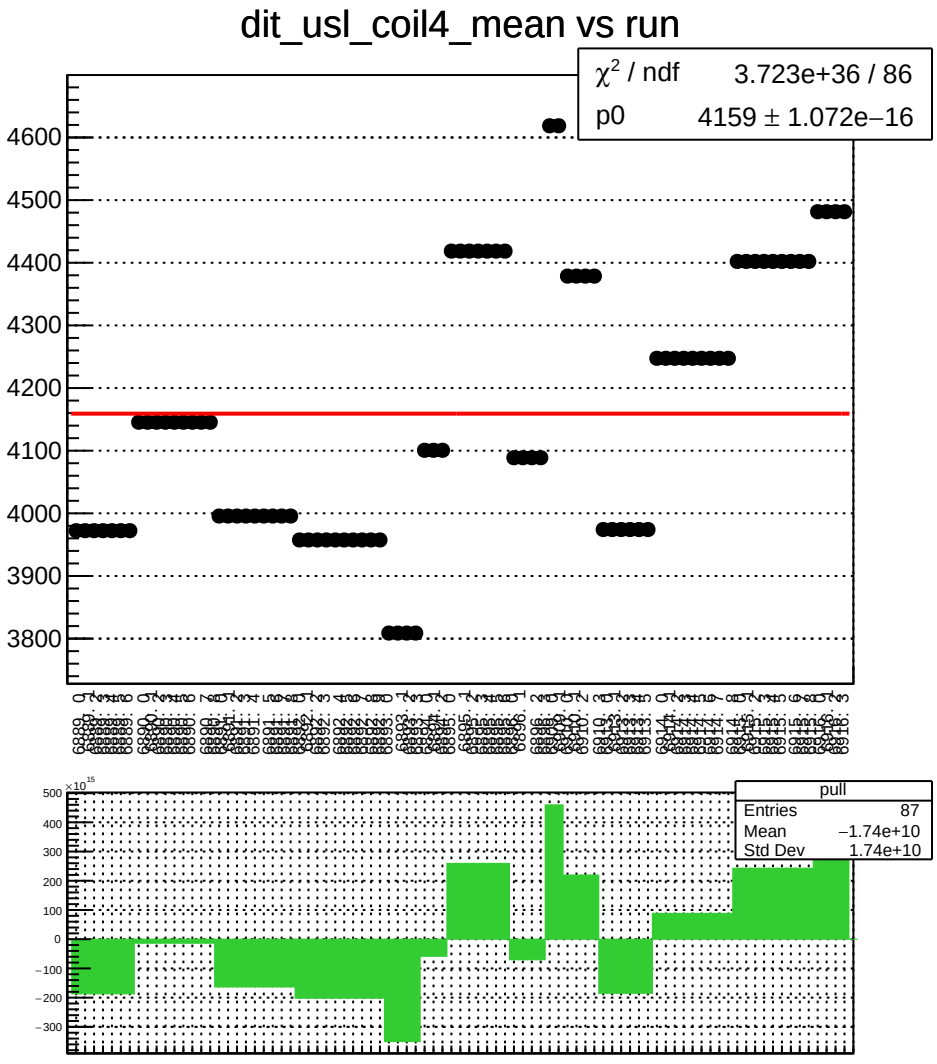

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

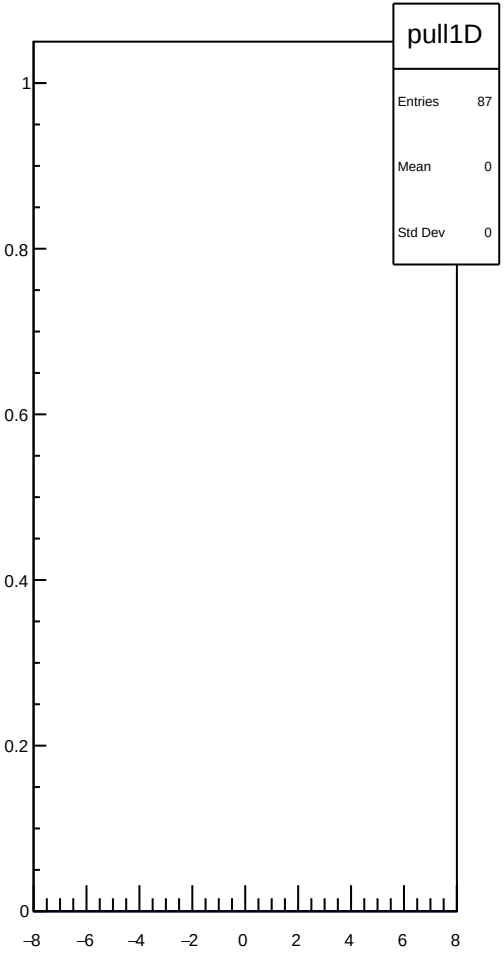

dit_4eY_coil4_mean vs run
χ^2 / ndf 4.798e+31 / 86
p0 190.5 ± 1.072e−16
192.5
192
191.5
191
190.5
190
189.5
189
pull
Entries 87
Mean 1.782e+09
Std Dev 1.782e+09
$\times 10^{12}$
2000
1500
1000
500
0
−500
−1000

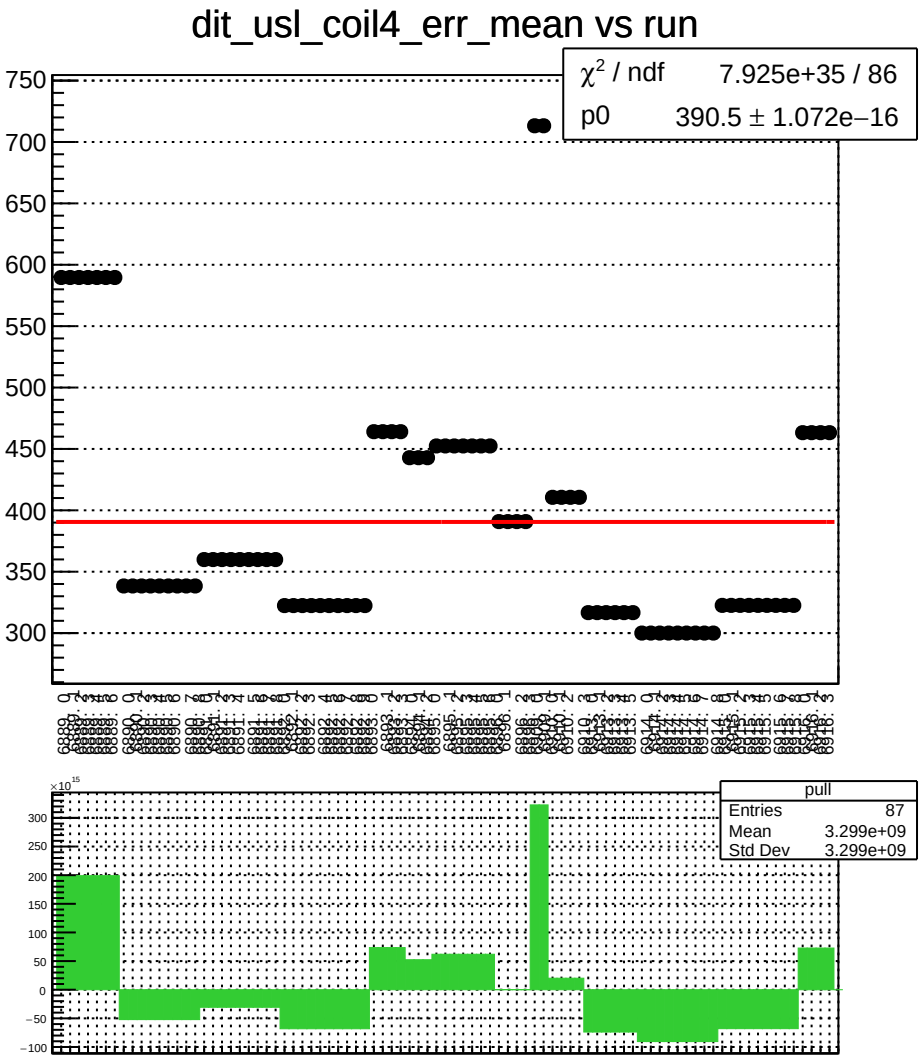

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

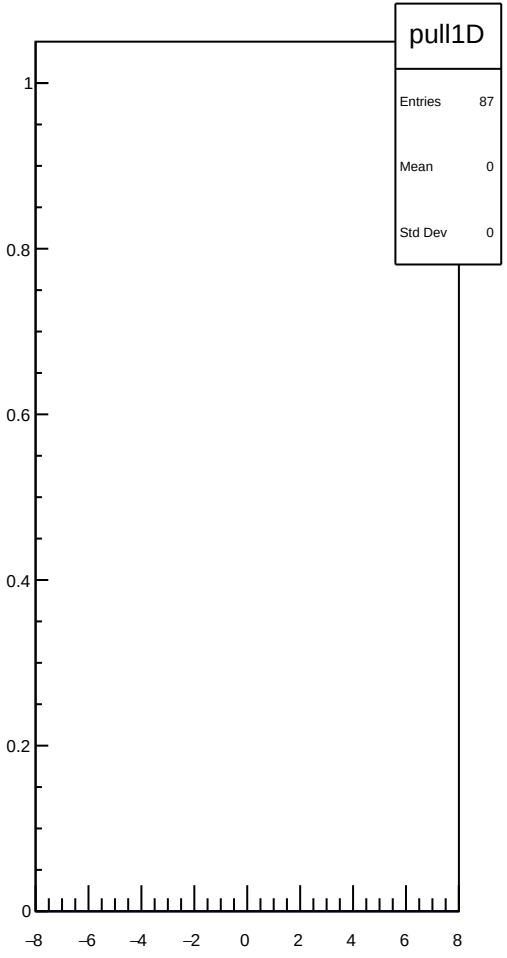

dit_4eY_coil4_err_mean vs run
χ² / ndf 6.808e+30 / 86
p0 1.089 ± 1.072e−16
1.8
1.6
1.4
1.2
1
0.8
pull
Entries 87
Mean −4.636e+08
Std Dev 4.636e+08
×10¹²
600
400
200
0
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

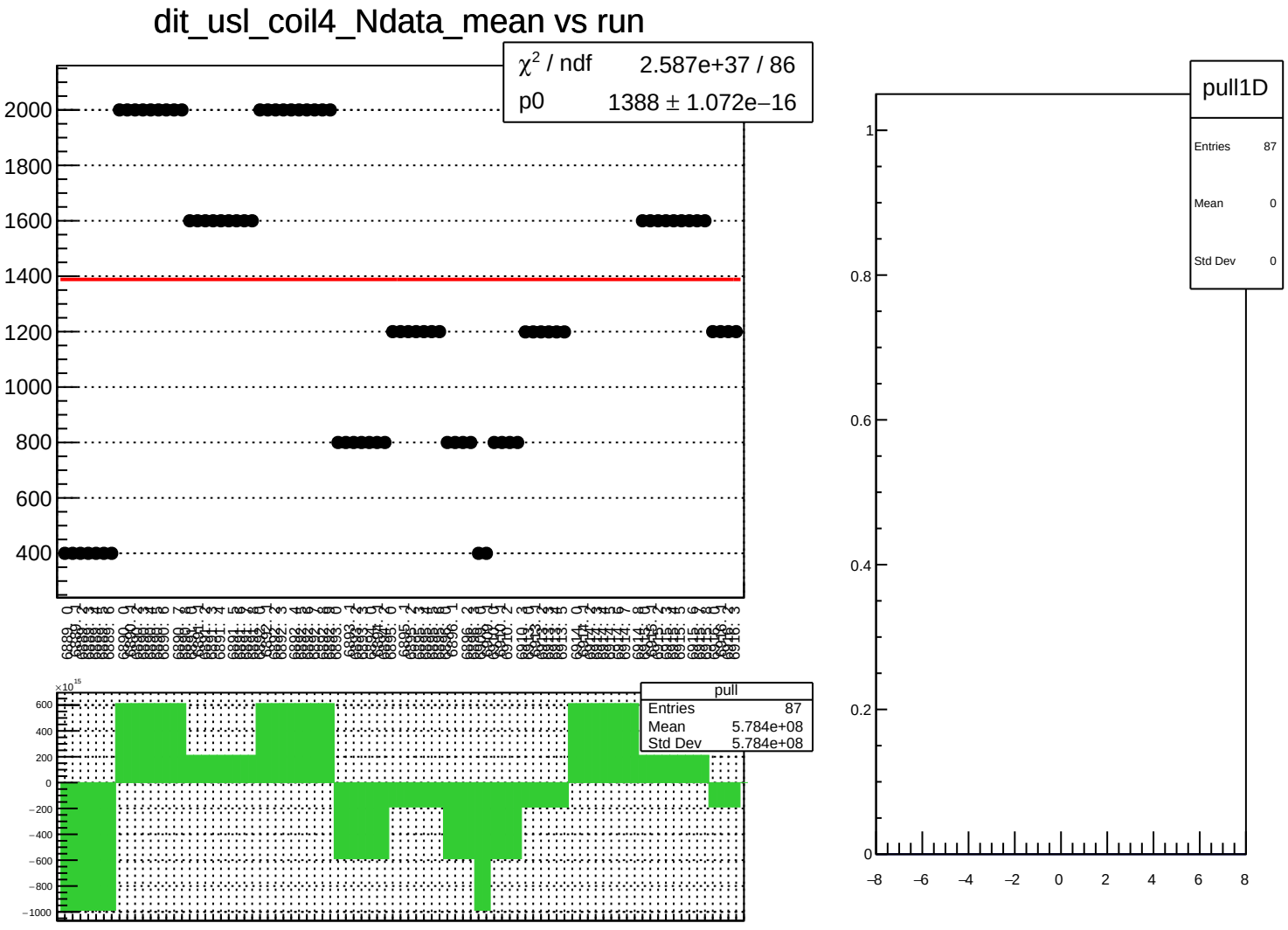

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

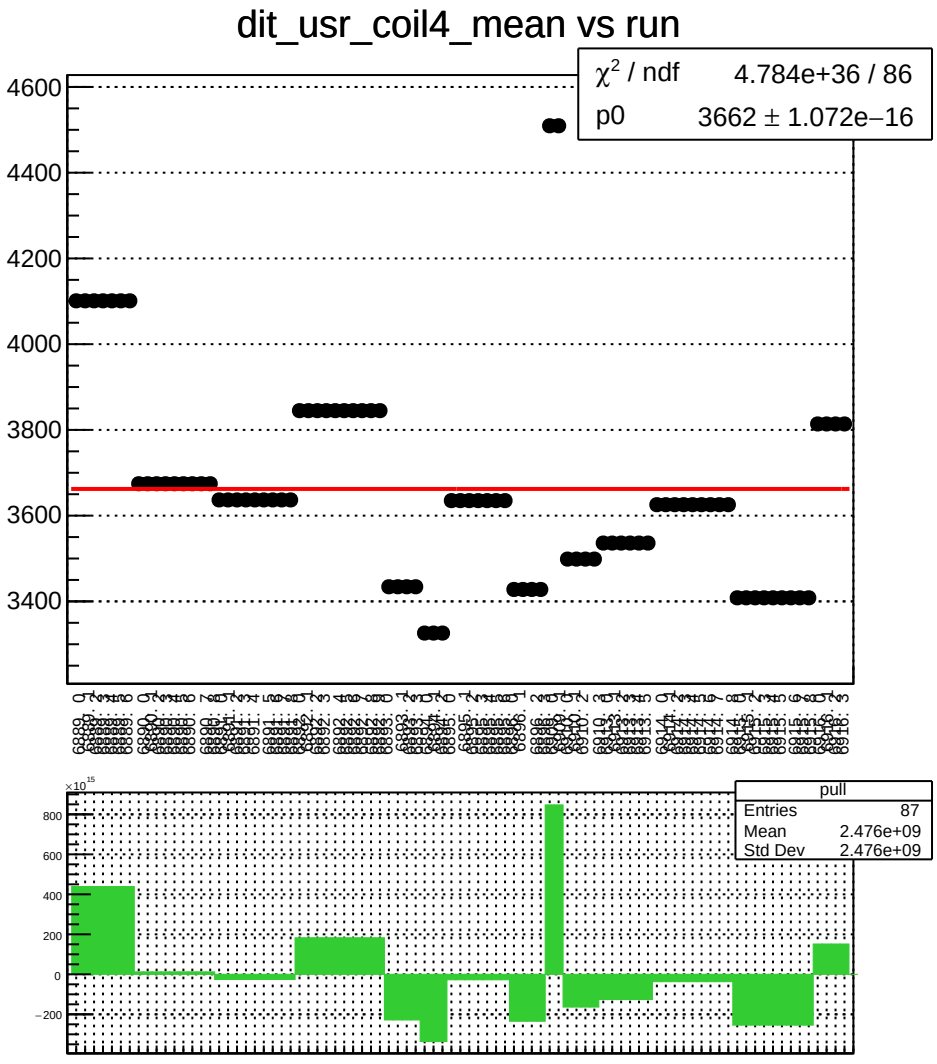

dit_usl_coil4_mean vs run
χ² / ndf 3.723e+36 / 86
p0 4159 ± 1.072e−16
4600
4500
4400
4300
4200
4100
4000
3900
3800
pull
Entries 87
Mean −1.74e+10
Std Dev 1.74e+10
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

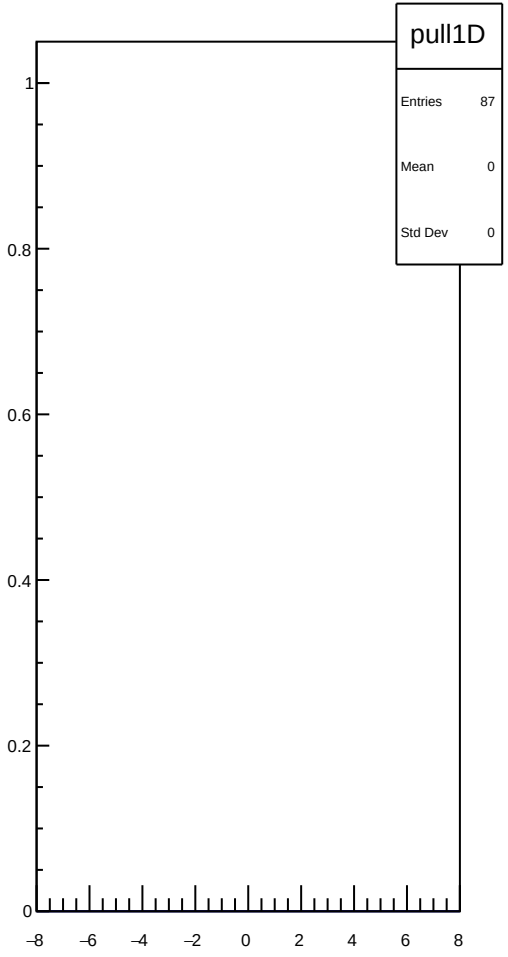

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

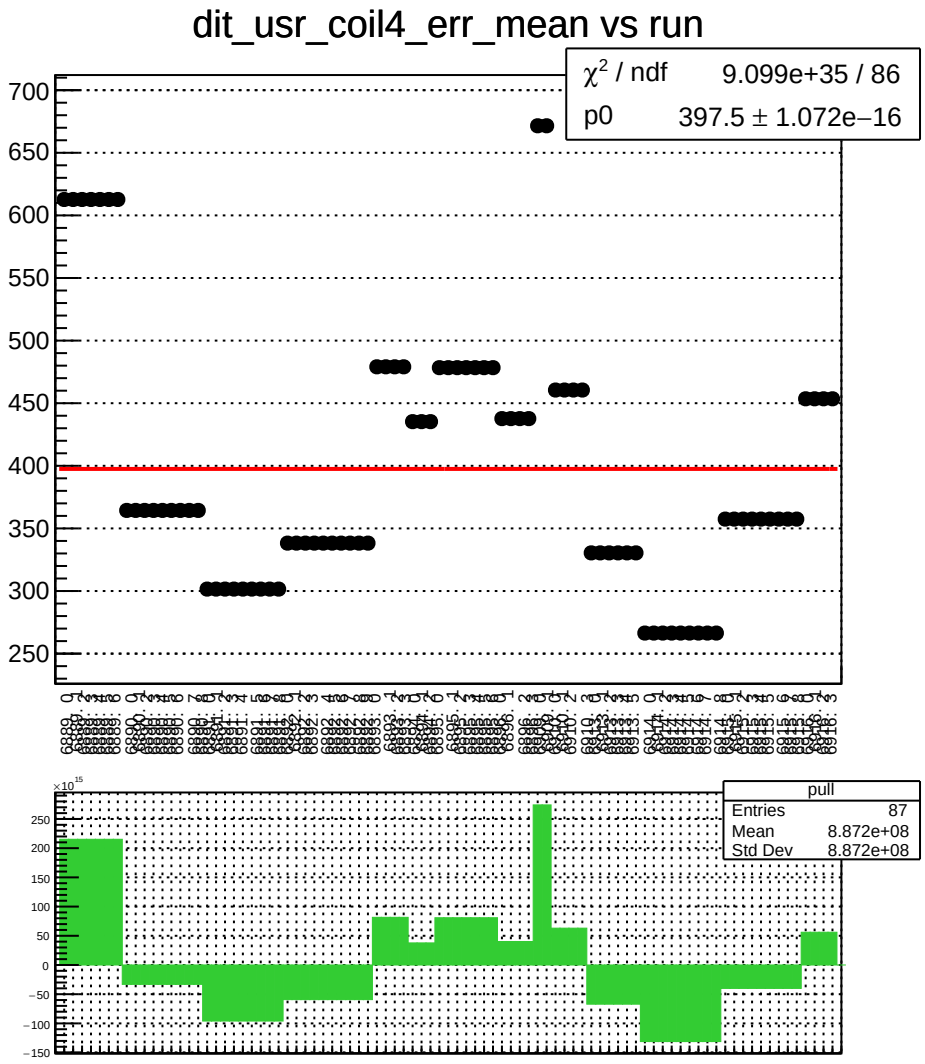

dit_usl_coil4_err_mean vs run
χ² / ndf 7.925e+35 / 86
p0 390.5 ± 1.072e−16
750
700
650
600
550
500
450
400
350
300
pull
Entries 87
Mean 3.299e+09
Std Dev 3.299e+09
×10¹⁵
300
250
200
150
100
50
0
−50
−100

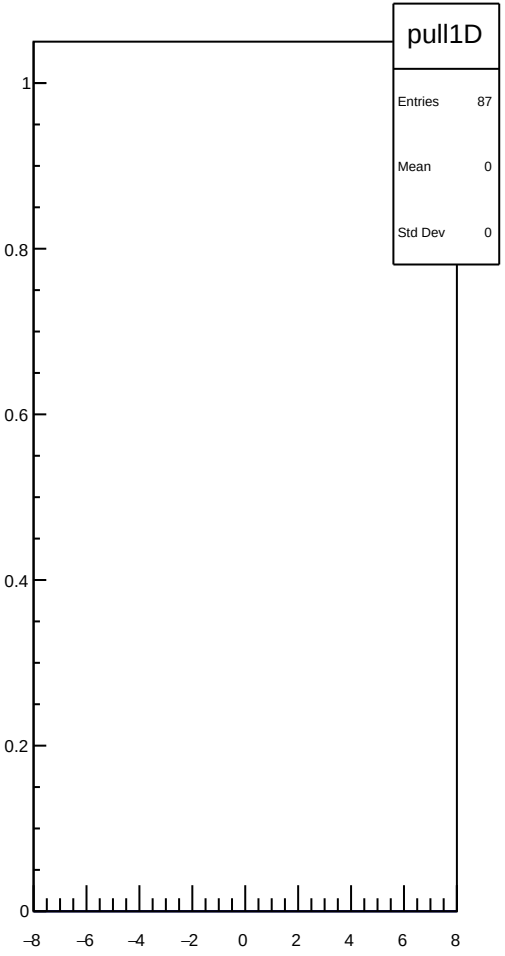

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

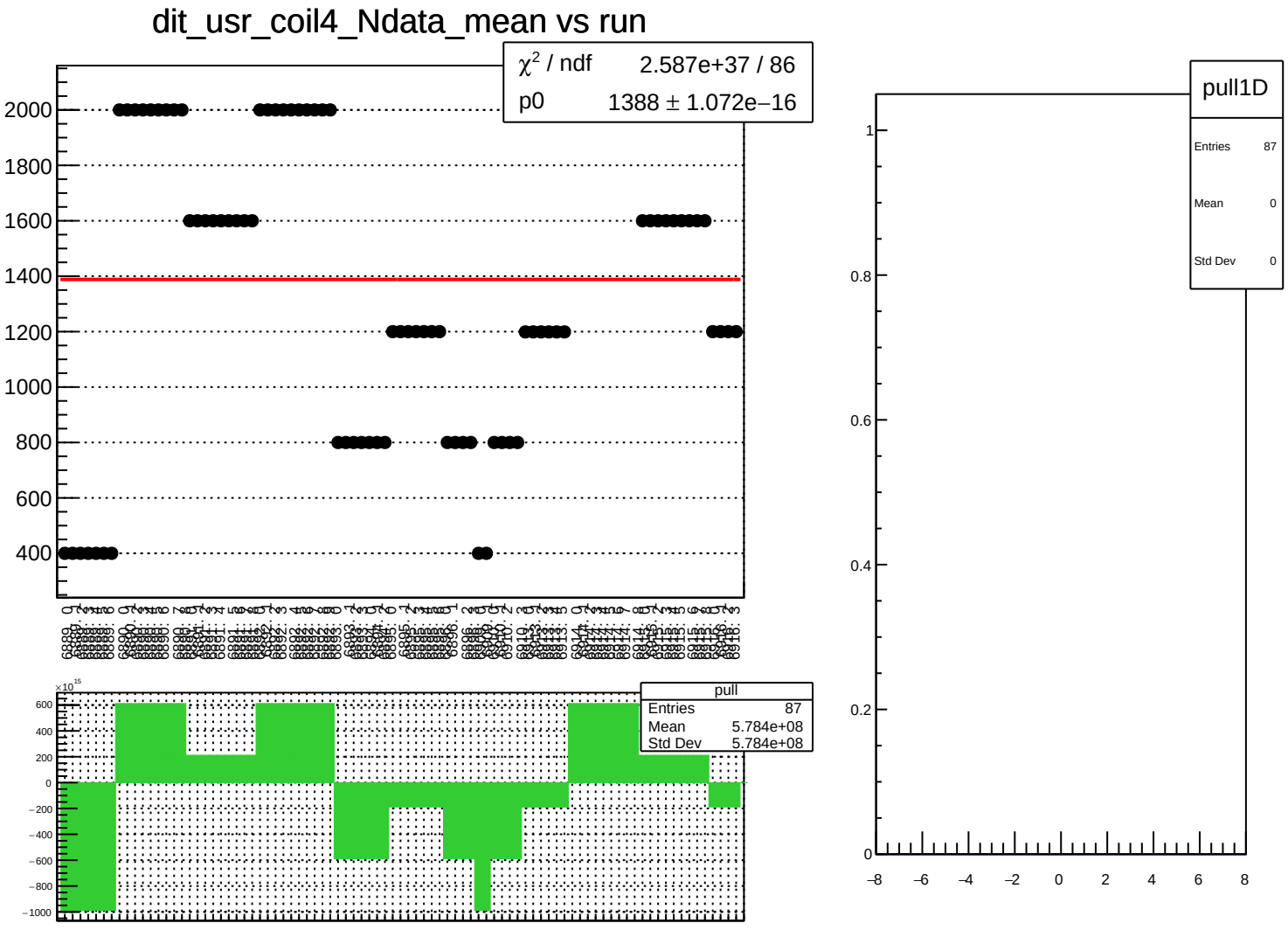

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

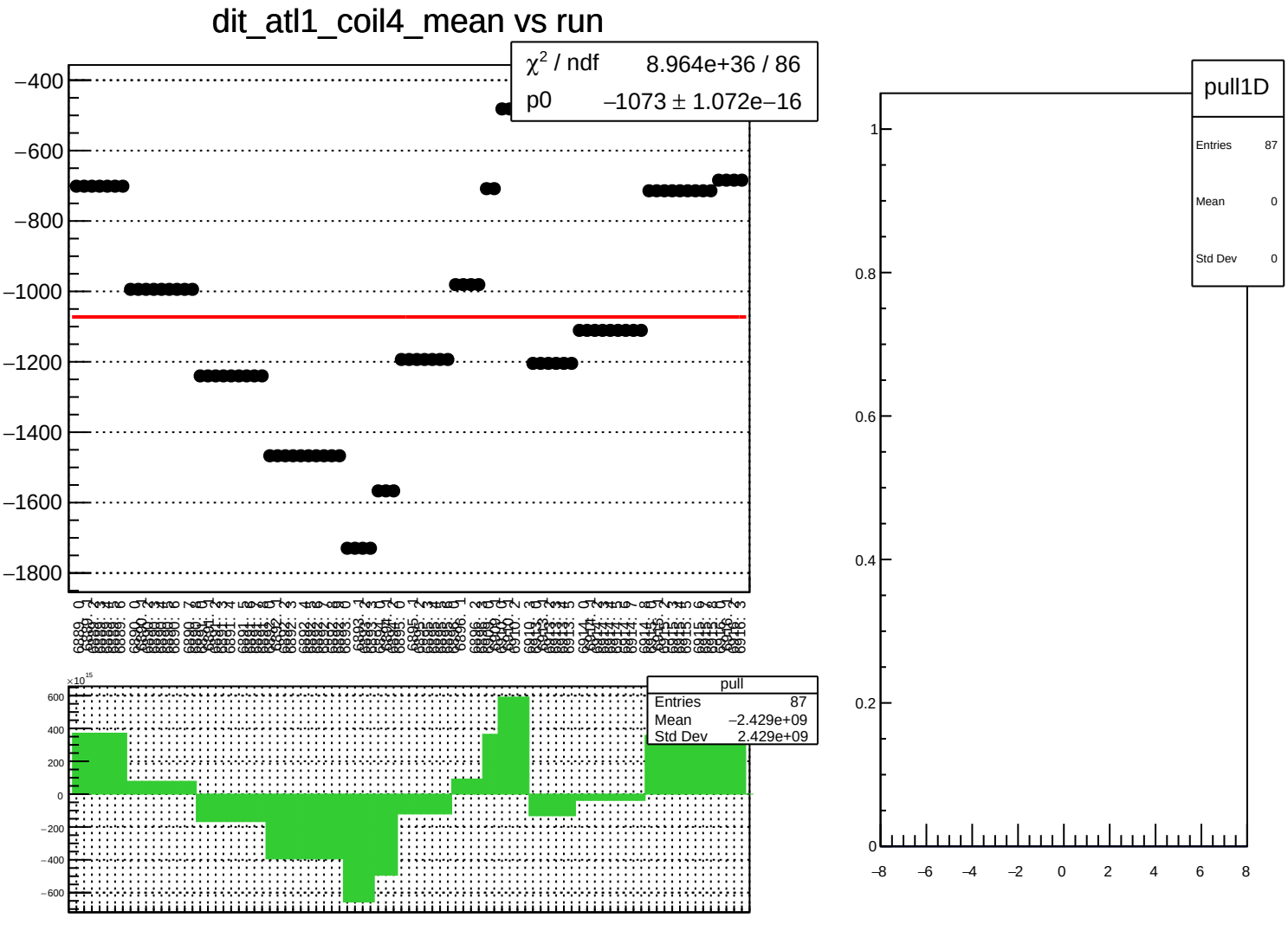

dit_usr_coil4_mean vs run
χ^2 / ndf 4.784e+36 / 86
p0 3662 ± 1.072e−16
4600
4400
4200
4000
3800
3600
3400
pull
Entries 87
Mean 2.476e+09
Std Dev 2.476e+09
×10^15
800
600
400
200
0
−200

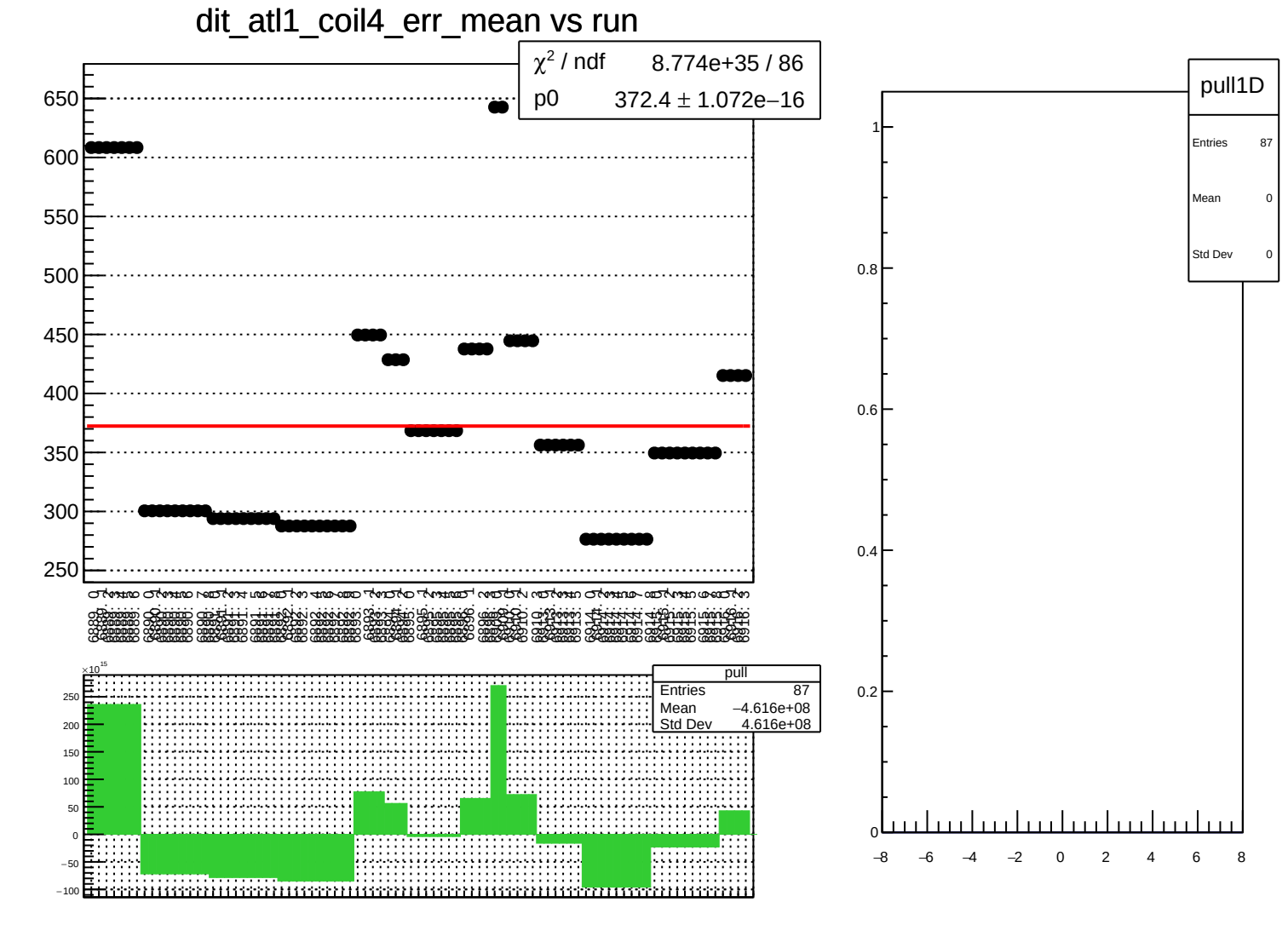

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil4_err_mean vs run
χ² / ndf 9.099e+35 / 86
p0 397.5 ± 1.072e−16
pull
Entries 87
Mean 8.872e+08
Std Dev 8.872e+08

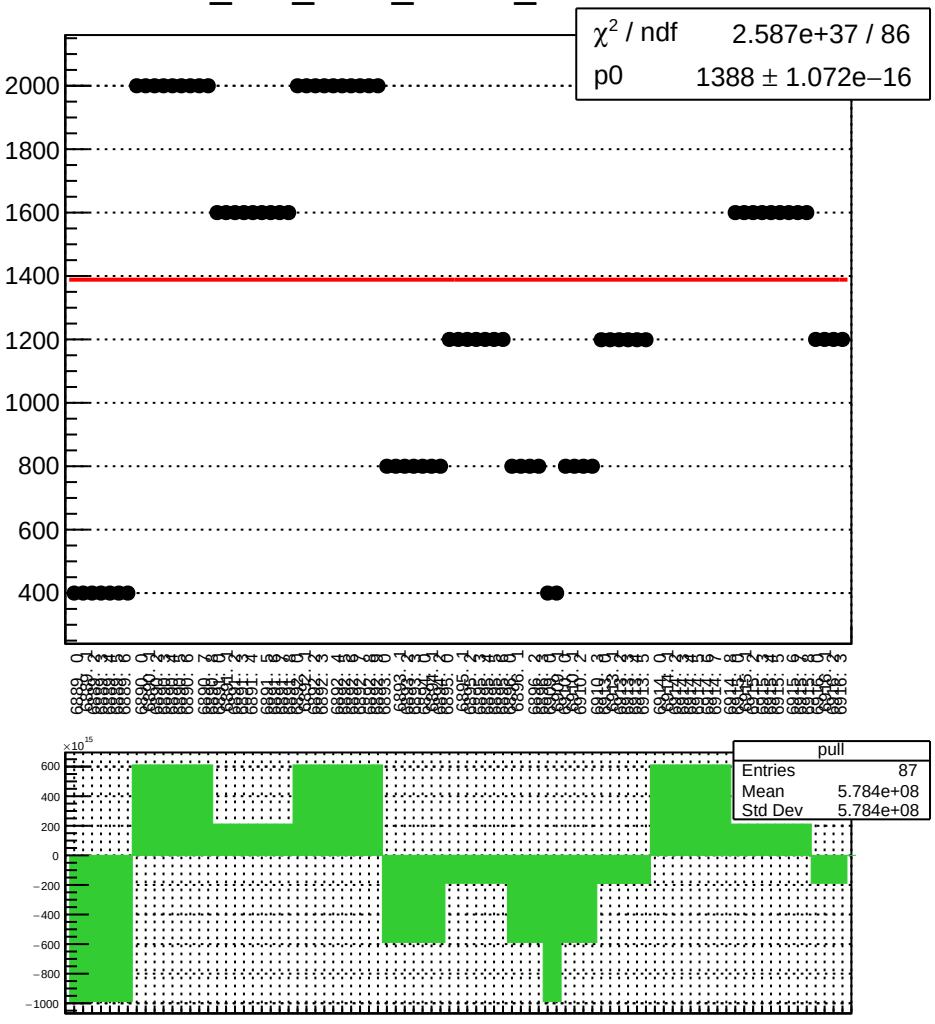

pull1D
Entries 87
Mean 0
Std Dev 0

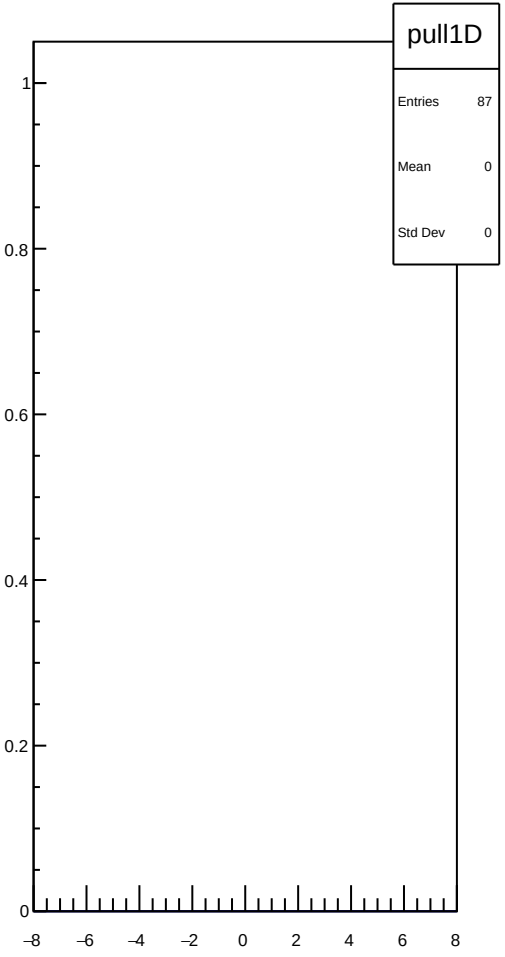

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

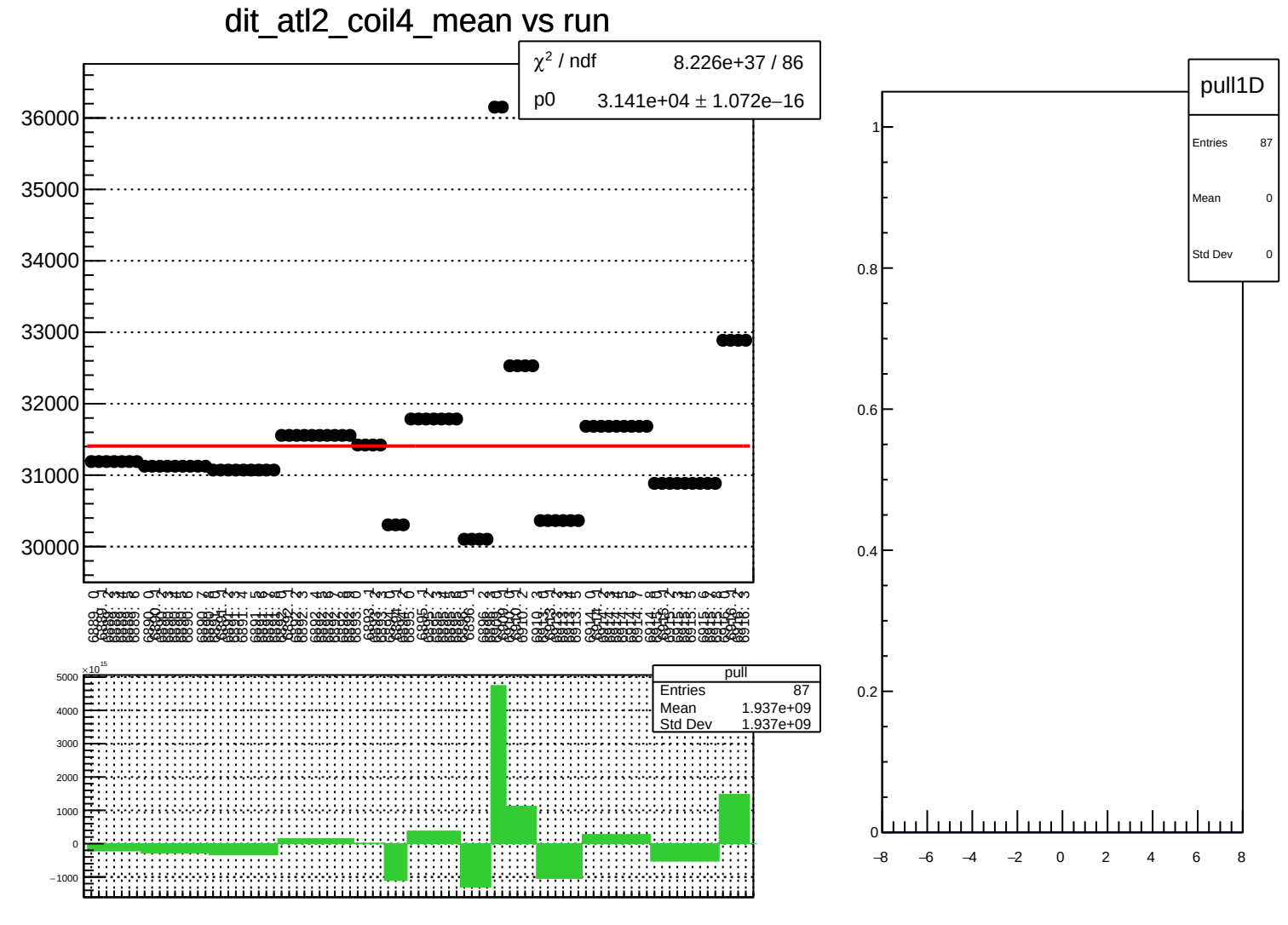

dit_atl1_coil4_mean vs run
χ² / ndf 8.964e+36 / 86
p0 −1073 ± 1.072e−16
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull
Entries 87
Mean −2.429e+09
Std Dev 2.429e+09
×10¹⁵
600
400
200
0
−200
−400
−600
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

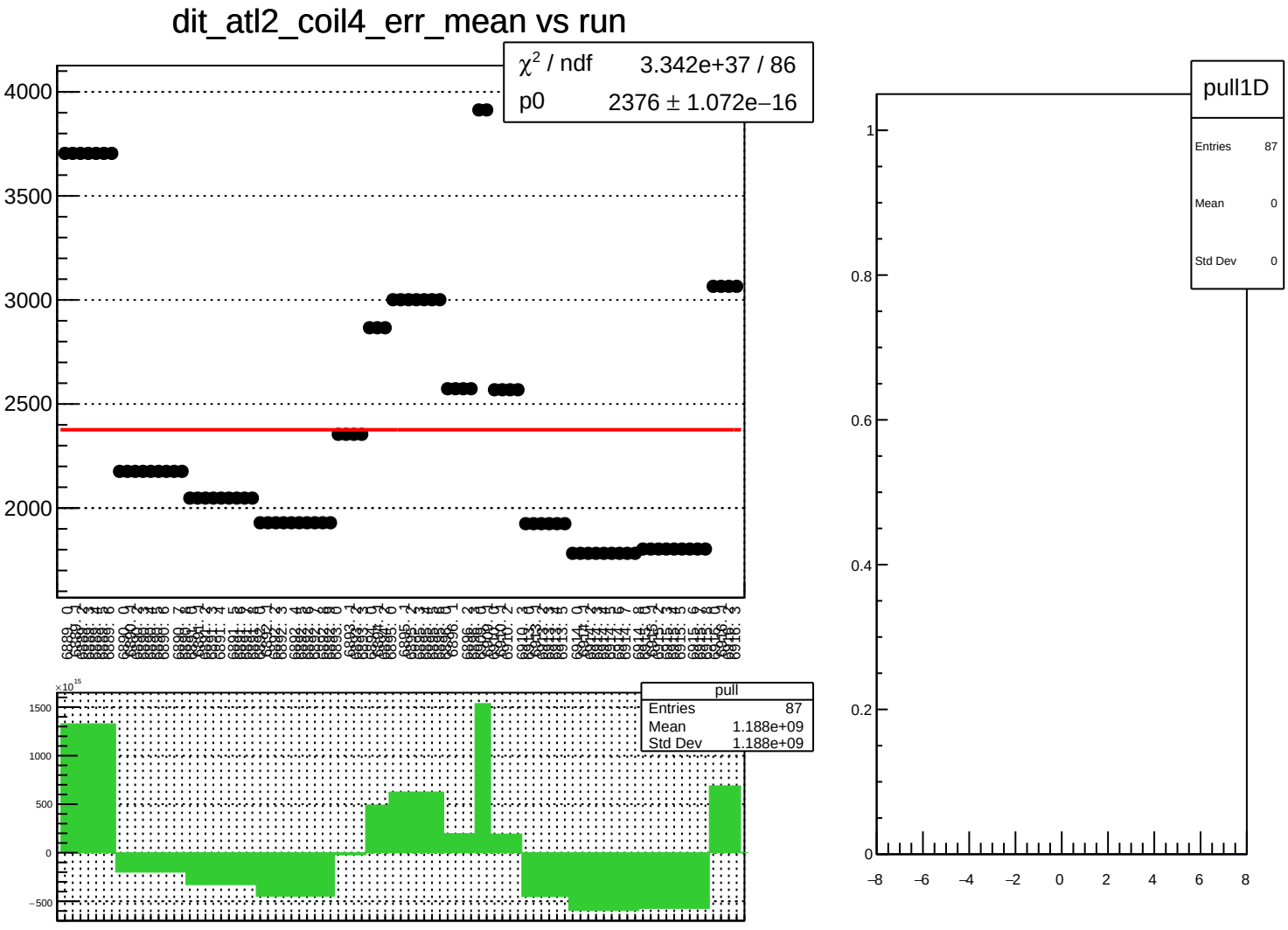

dit_atl1_coil4_err_mean vs run
χ² / ndf 8.774e+35 / 86
p0 372.4 ± 1.072e−16
pull
Entries 87
Mean −4.616e+08
Std Dev 4.616e+08
pull1D
Entries 87
Mean 0
Std Dev 0

dit_atl1_coil4_Ndata_mean vs run

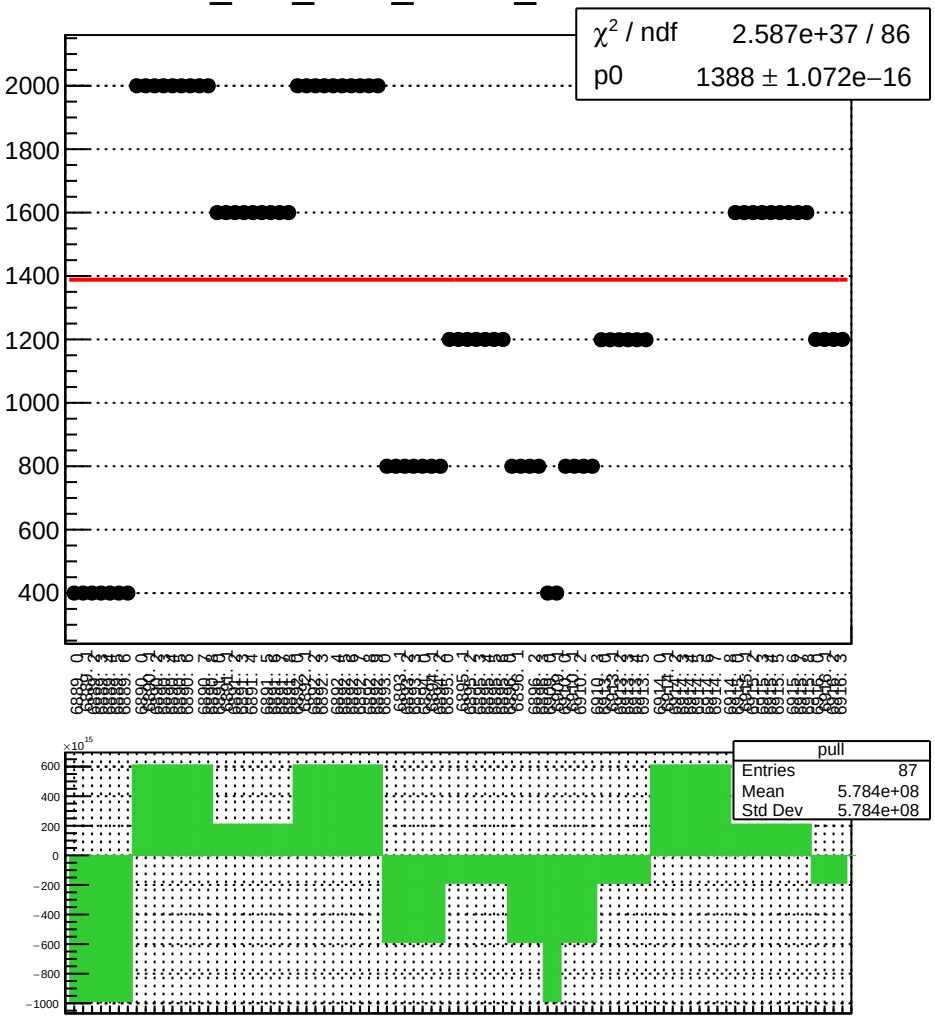


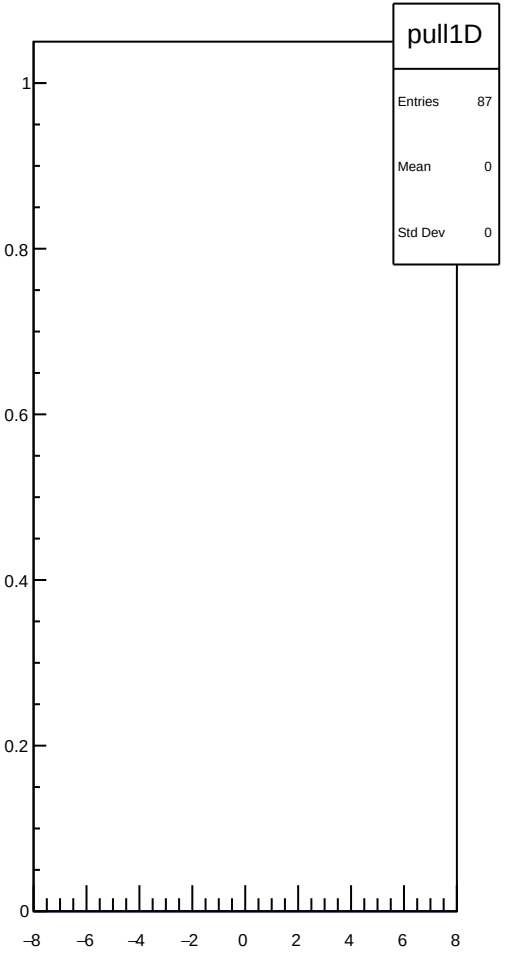


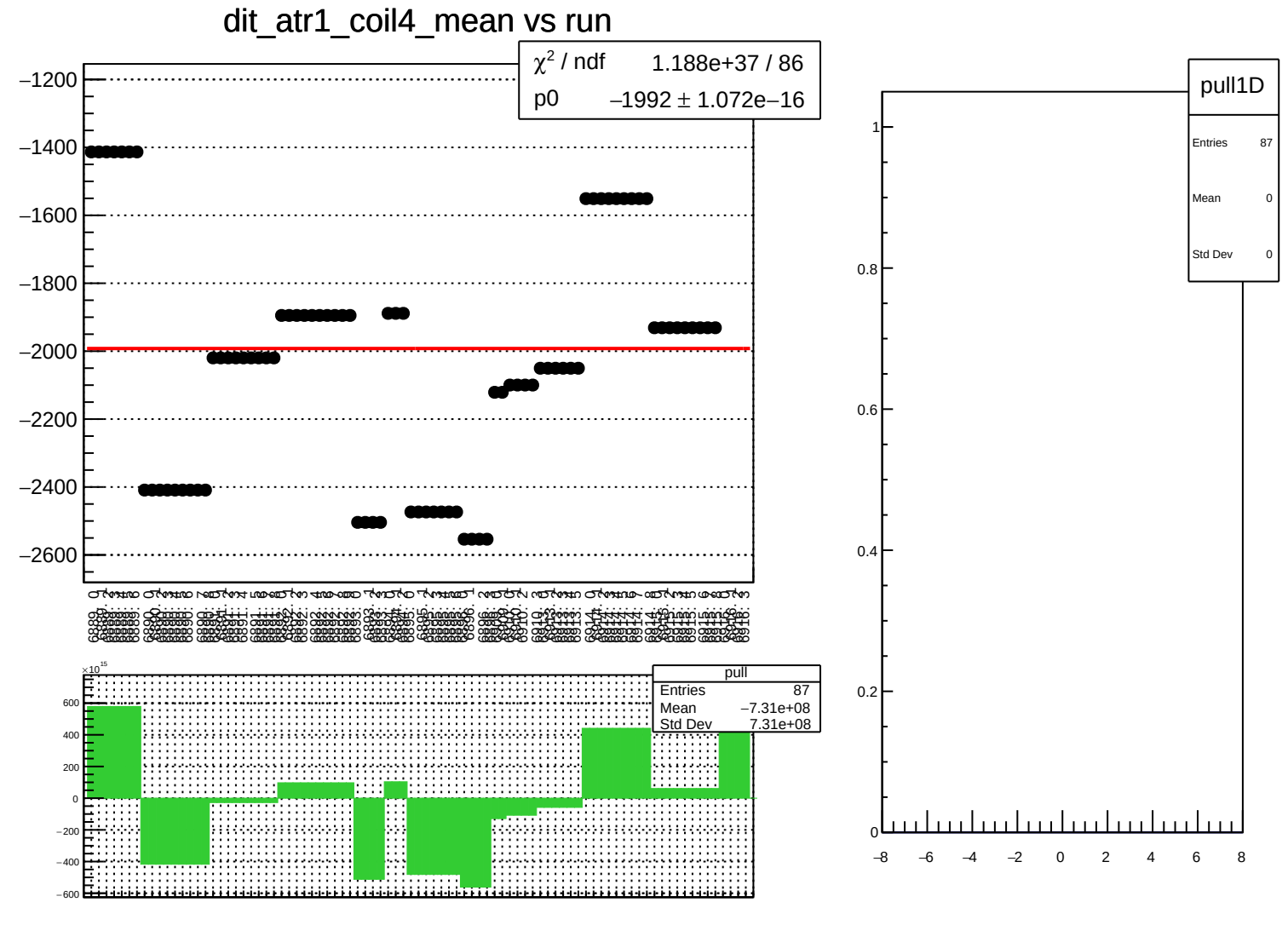

dit_atl2_coil4_mean vs run
χ² / ndf 8.226e+37 / 86
p0 3.141e+04 ± 1.072e−16
36000
35000
34000
33000
32000
31000
30000
pull
Entries 87
Mean 1.937e+09
Std Dev 1.937e+09
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

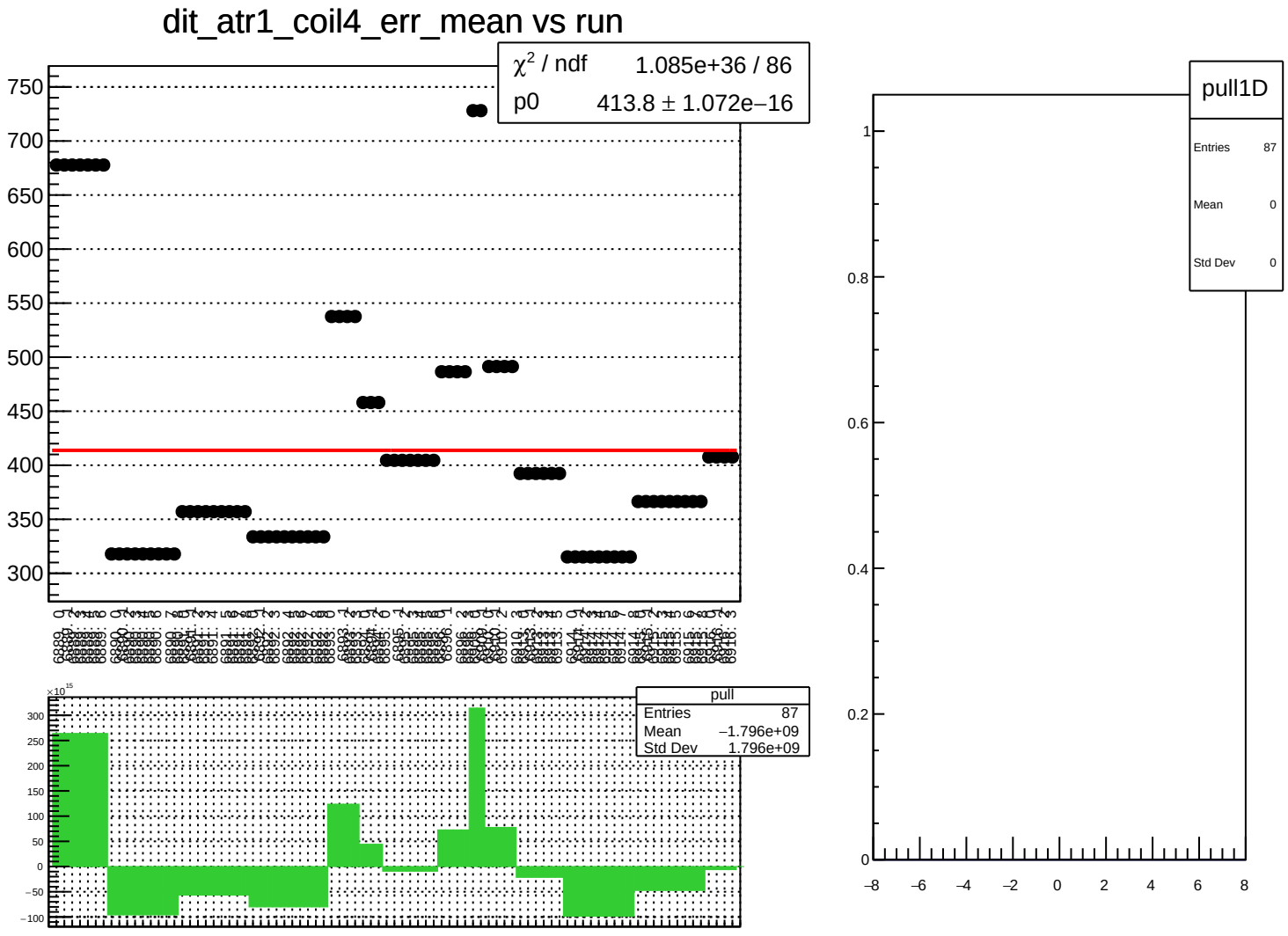

dit_atl2_coil4_err_mean vs run
χ² / ndf 3.342e+37 / 86
p0 2376 ± 1.072e−16
4000
3500
3000
2500
2000
pull
Entries 87
Mean 1.188e+09
Std Dev 1.188e+09
×10¹⁵
1500
1000
500
0
−500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil4_Ndata_mean vs run

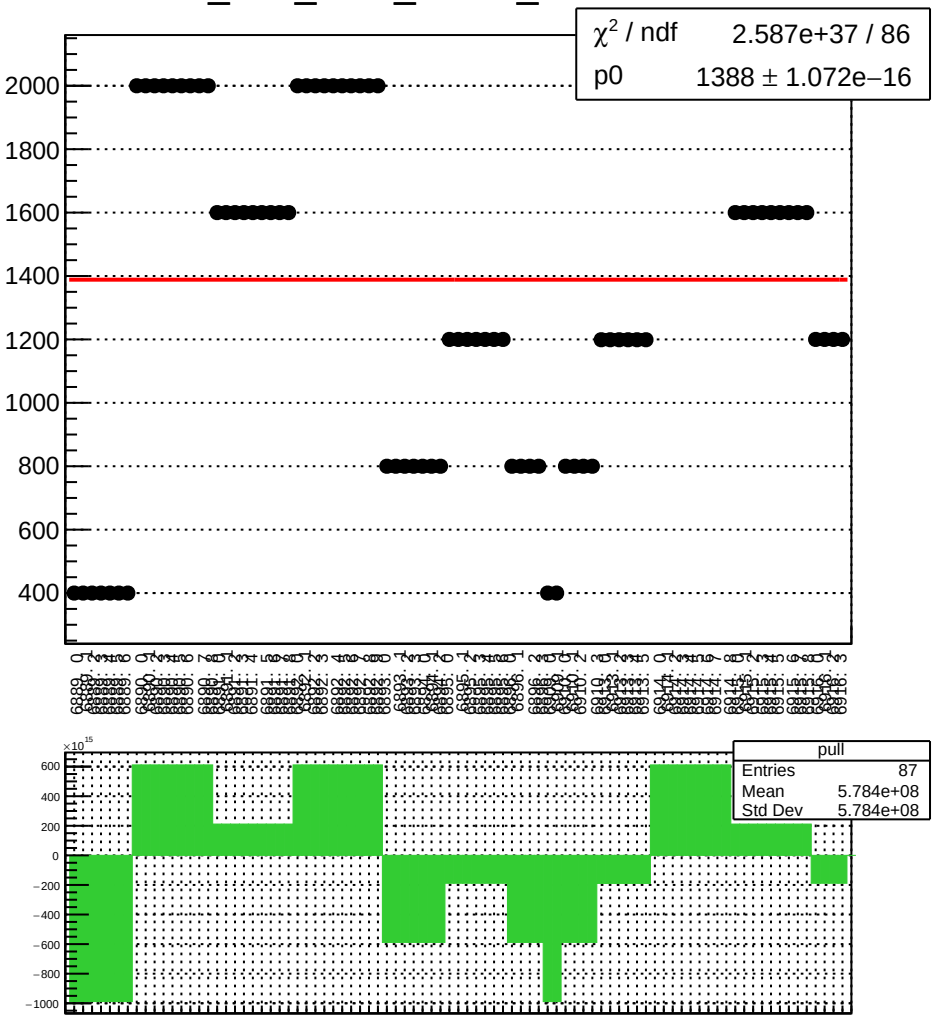


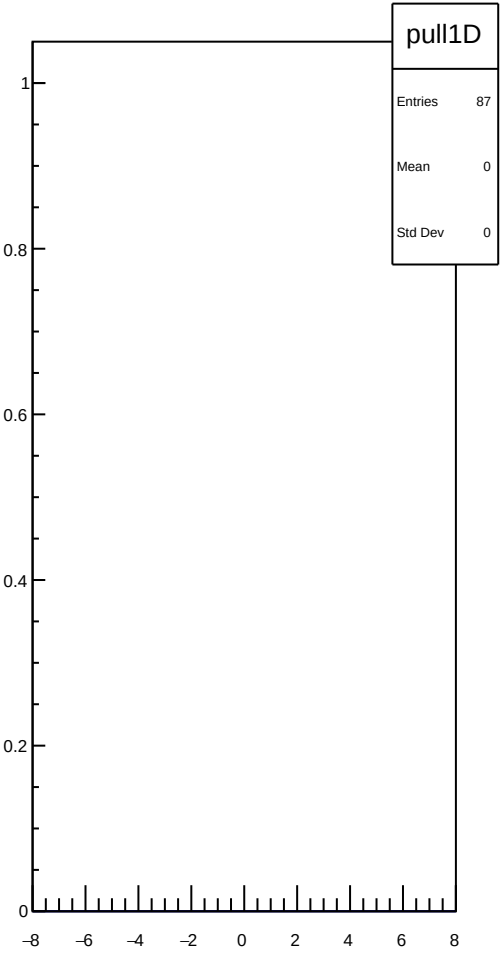


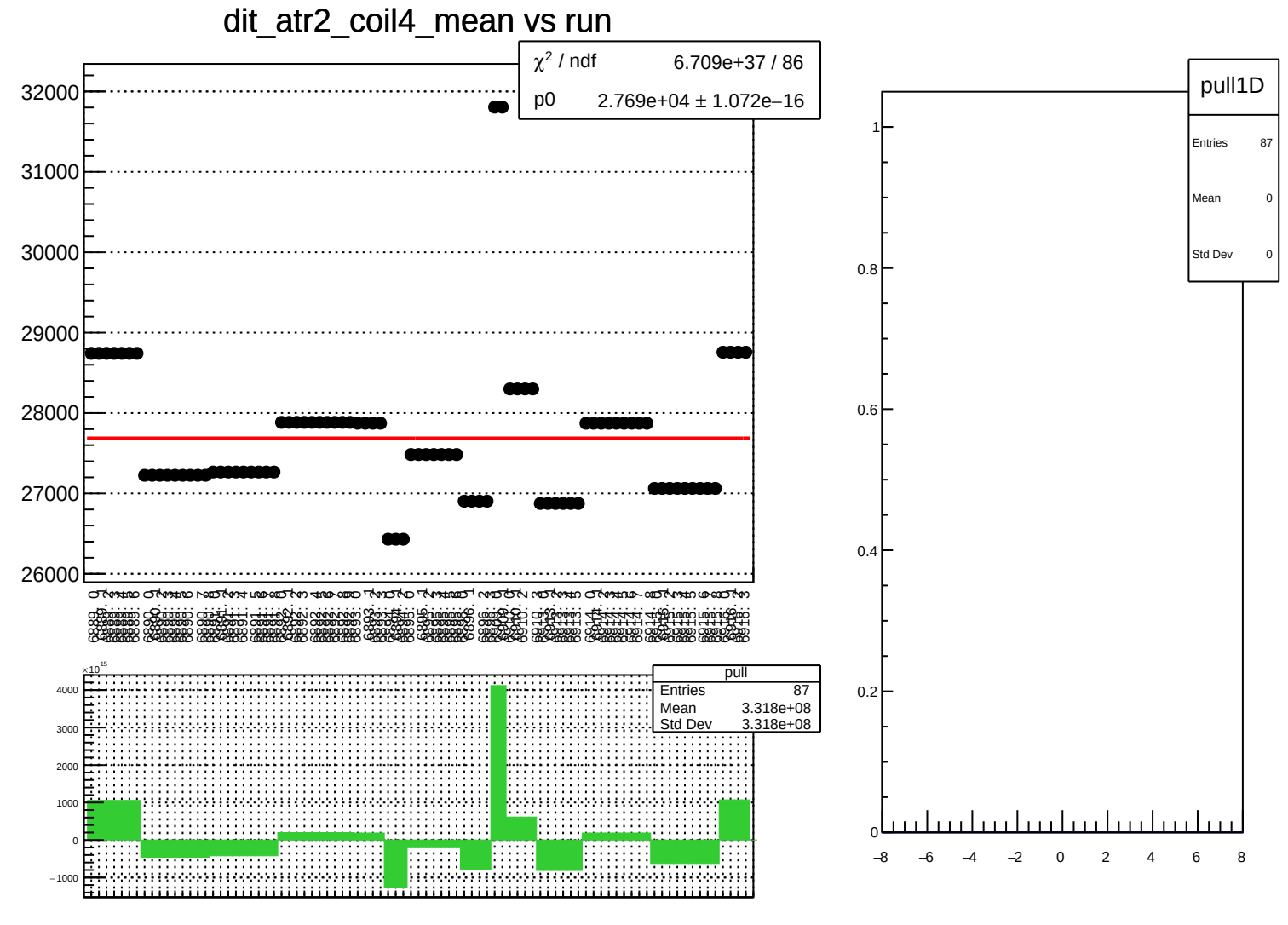

dit_atr1_coil4_mean vs run
χ² / ndf 1.188e+37 / 86
p0 −1992 ± 1.072e−16
−1200
−1400
−1600
−1800
−2000
−2200
−2400
−2600
pull
Entries 87
Mean −7.31e+08
Std Dev 7.31e+08
×10¹⁵
600
400
200
0
−200
−400
−600
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

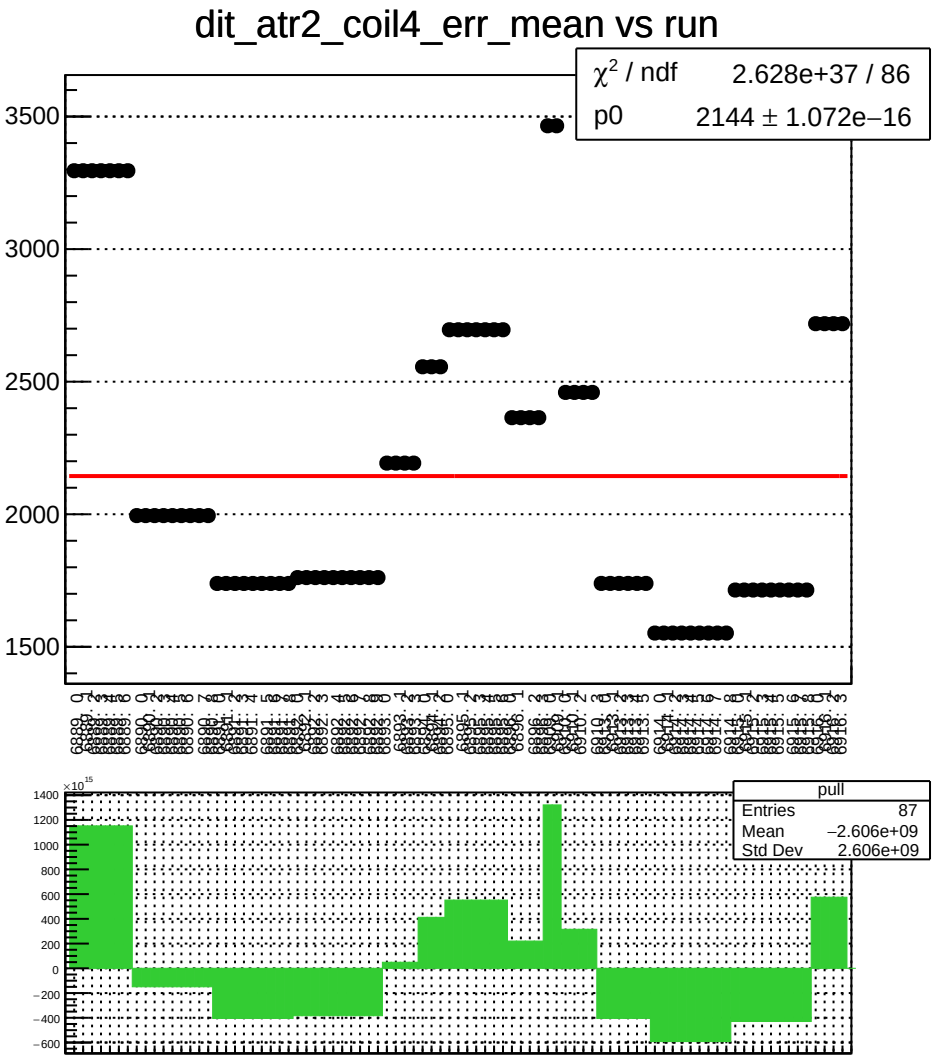

dit_atr1_coil4_err_mean vs run
χ² / ndf 1.085e+36 / 86
p0 413.8 ± 1.072e−16
750
700
650
600
550
500
450
400
350
300
pull
Entries 87
Mean −1.796e+09
Std Dev 1.796e+09
×10¹⁵
300
250
200
150
100
50
0
−50
−100
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

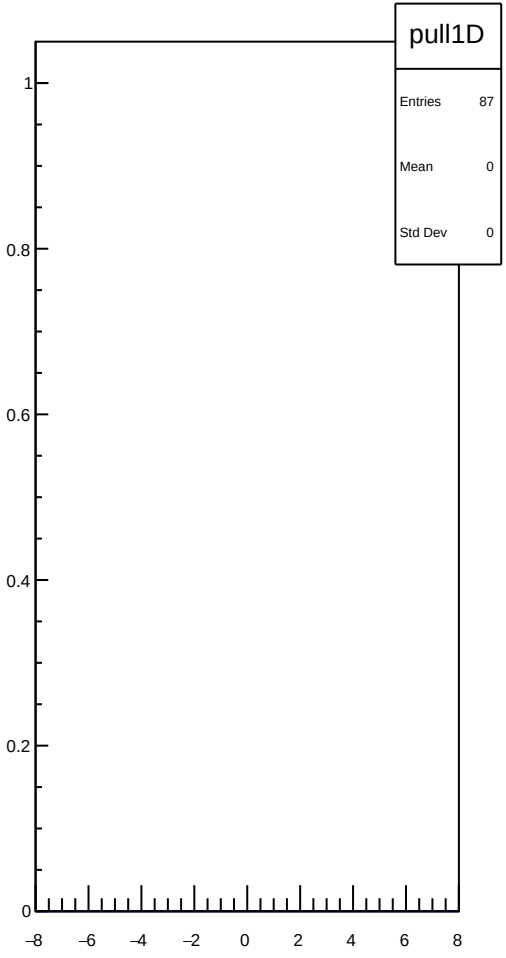
dit_atr1_coil4_Ndata_mean vs run

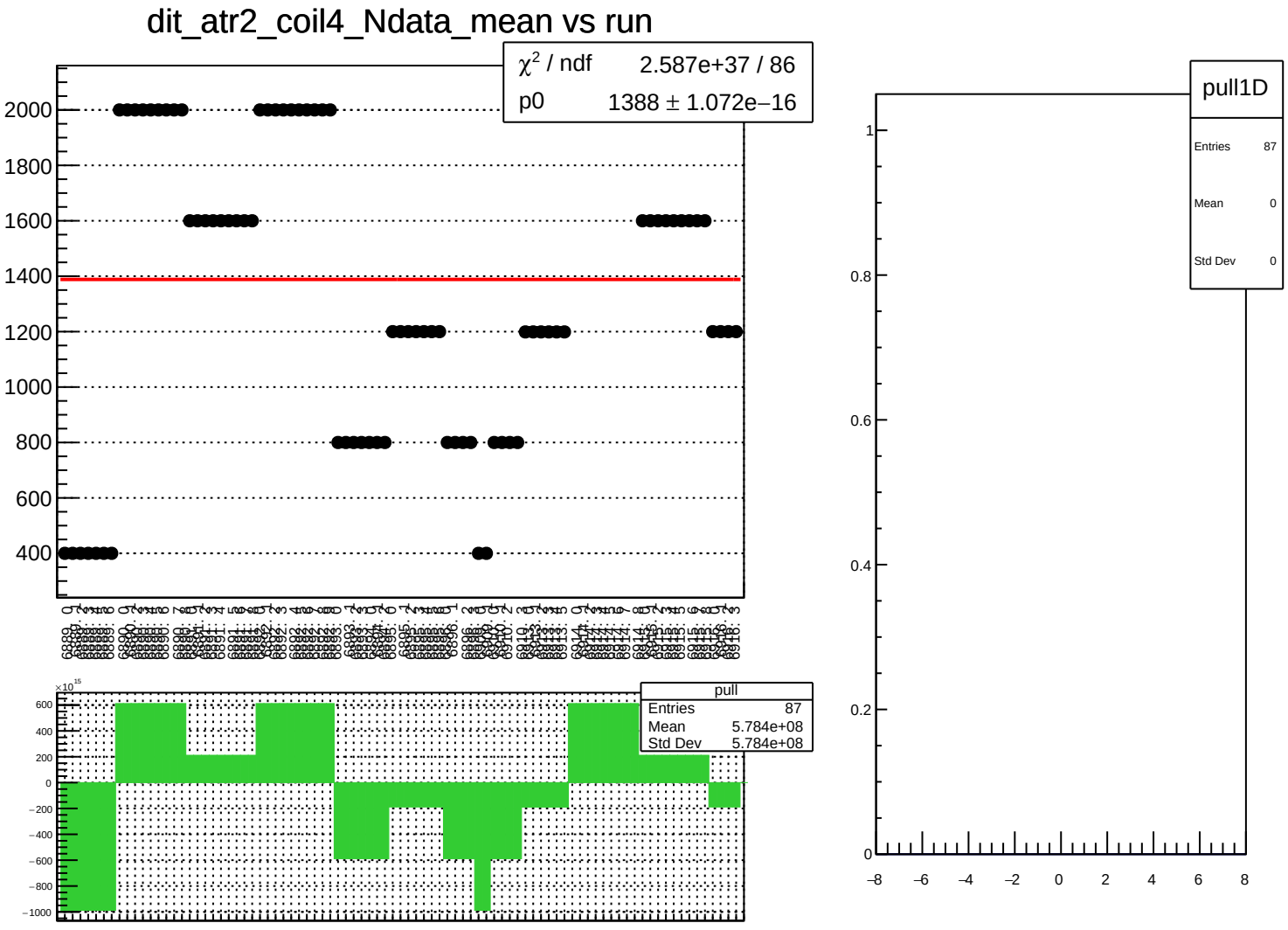


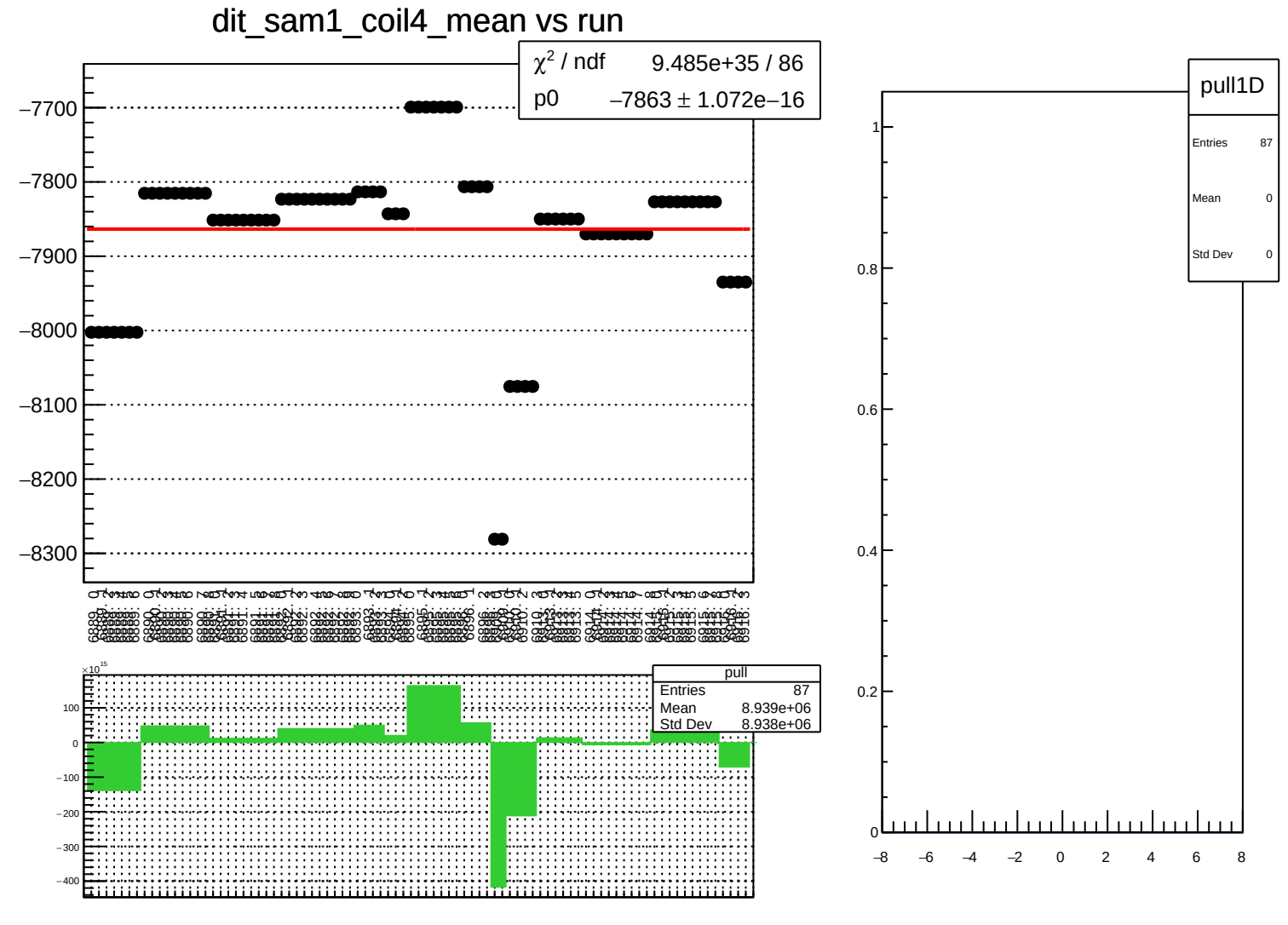


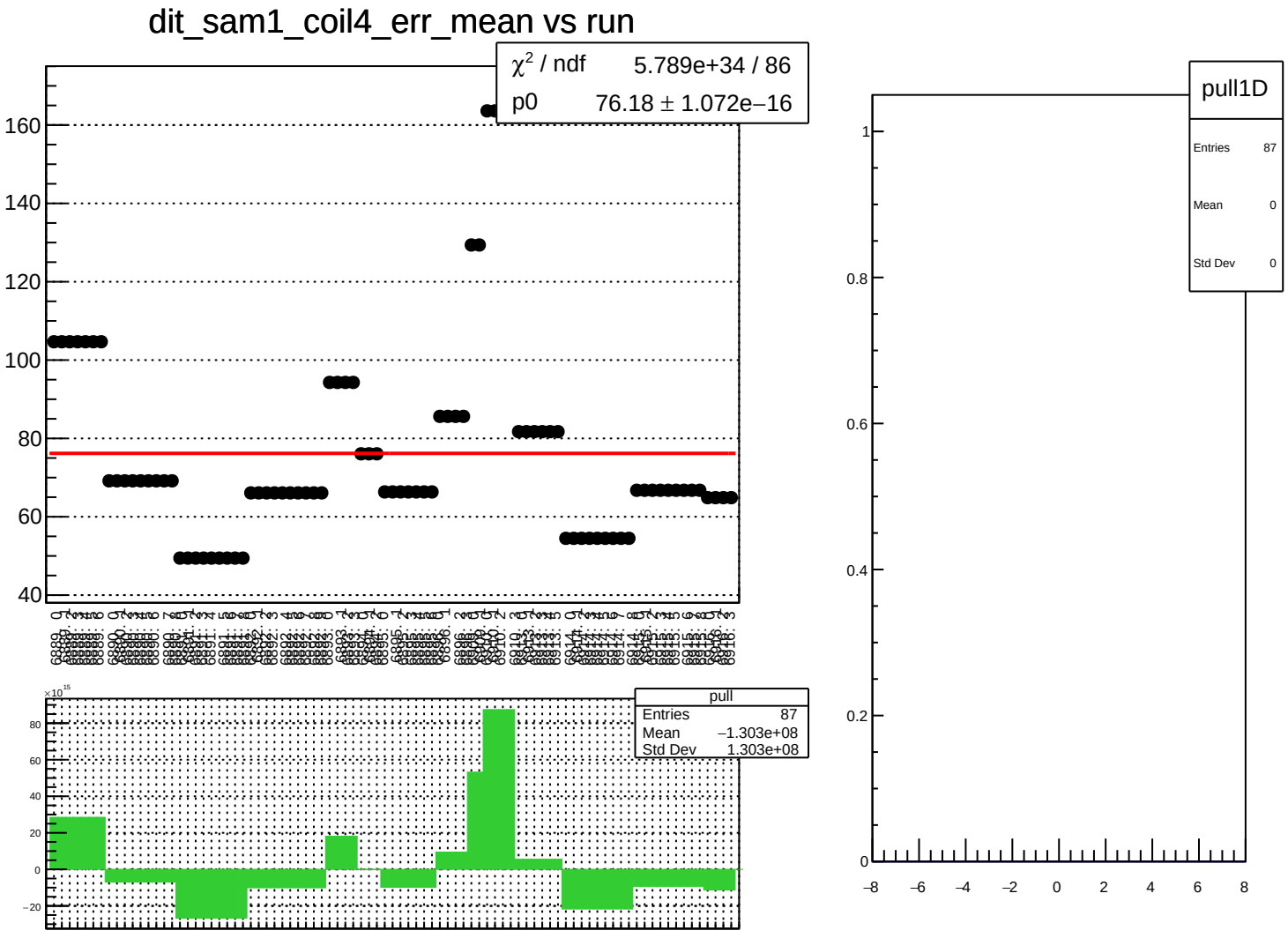

dit_atr2_coil4_mean vs run
χ² / ndf 6.709e+37 / 86
p0 2.769e+04 ± 1.072e−16
32000
31000
30000
29000
28000
27000
26000
pull
Entries 87
Mean 3.318e+08
Std Dev 3.318e+08
×10¹⁵
4000
3000
2000
1000
0
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

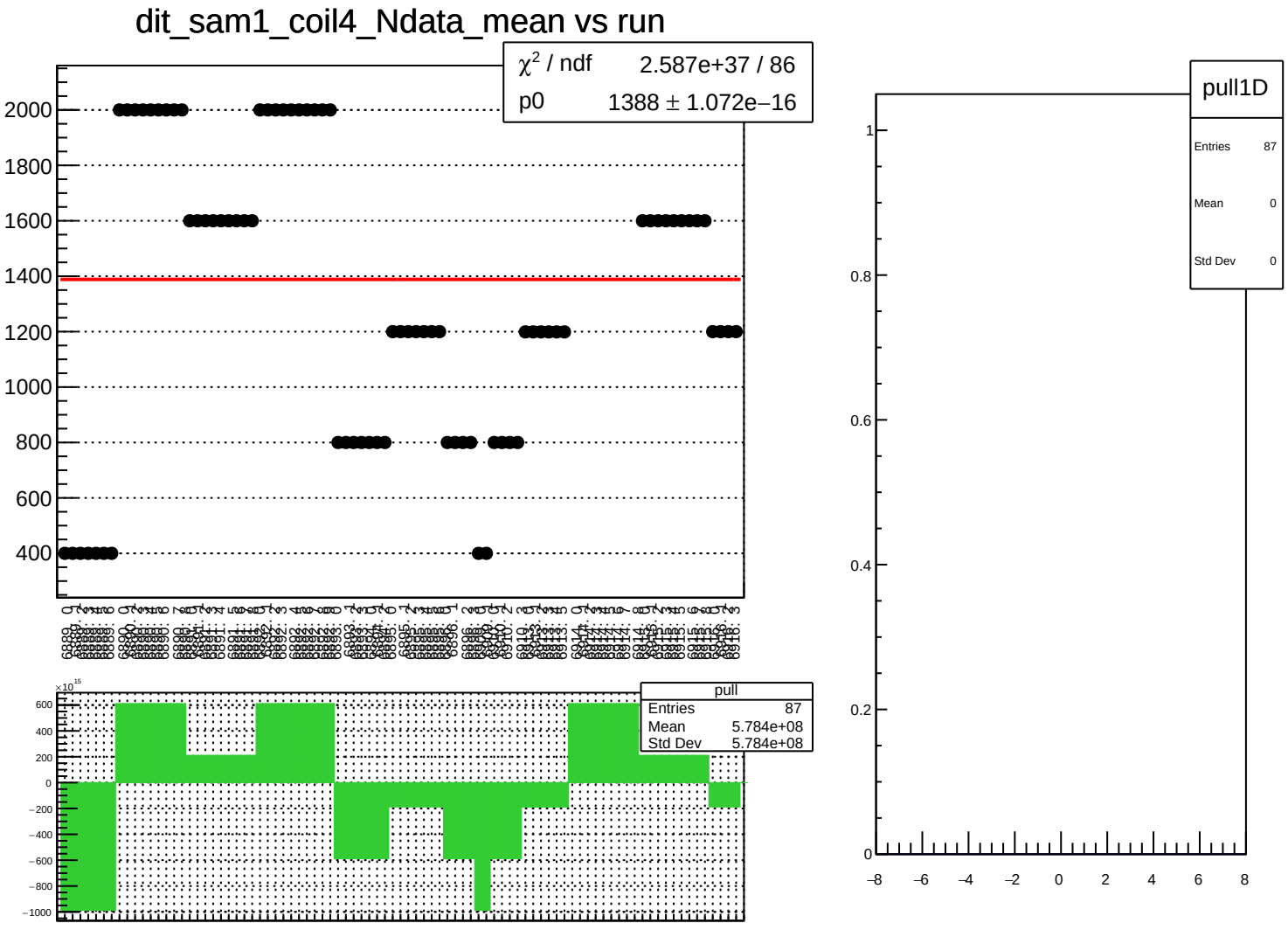

dit_atr2_coil4_err_mean vs run
χ² / ndf 2.628e+37 / 86
p0 2144 ± 1.072e−16
3500
3000
2500
2000
1500
pull
Entries 87
Mean −2.606e+09
Std Dev 2.606e+09
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200
−400
−600

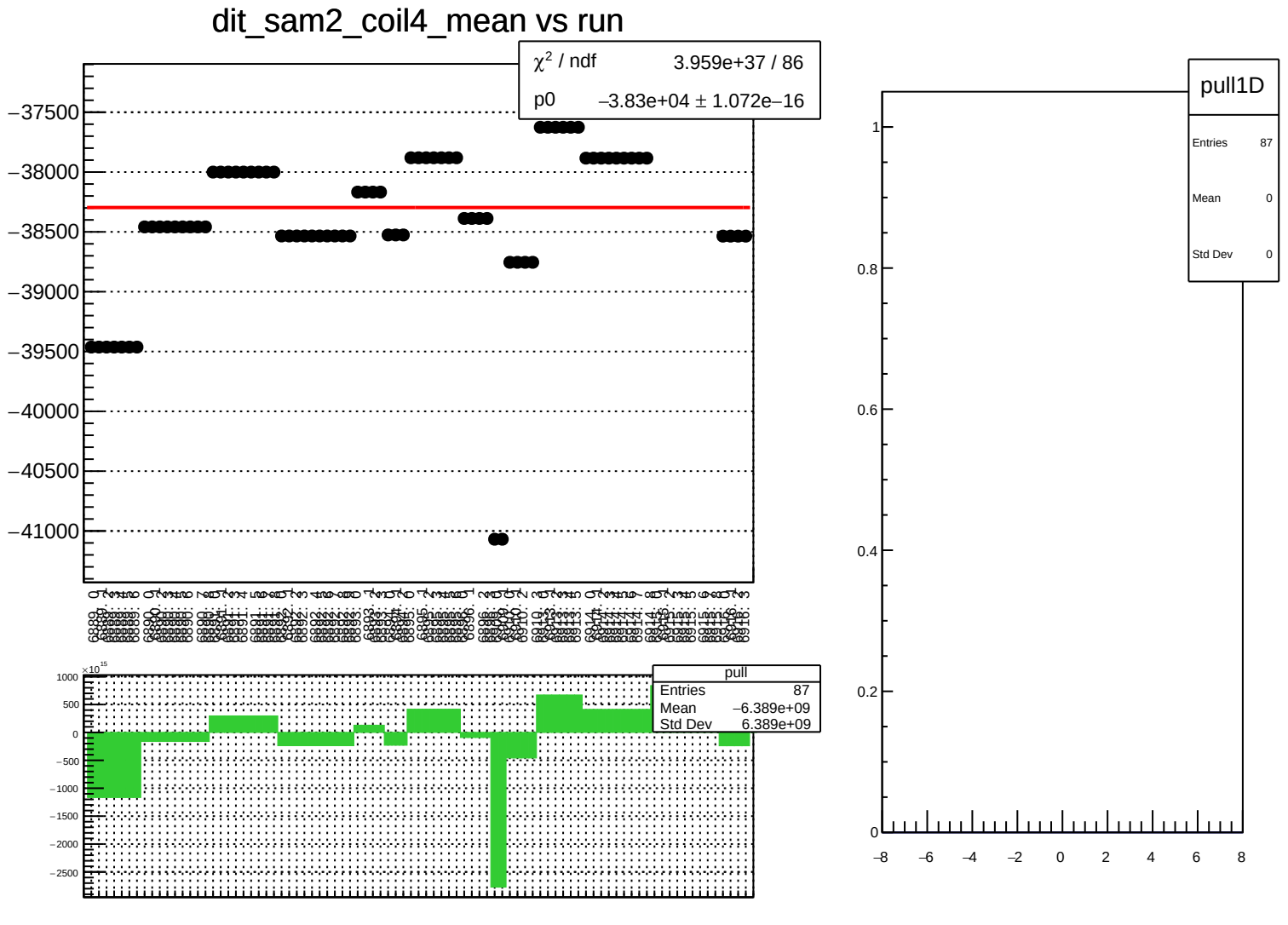

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

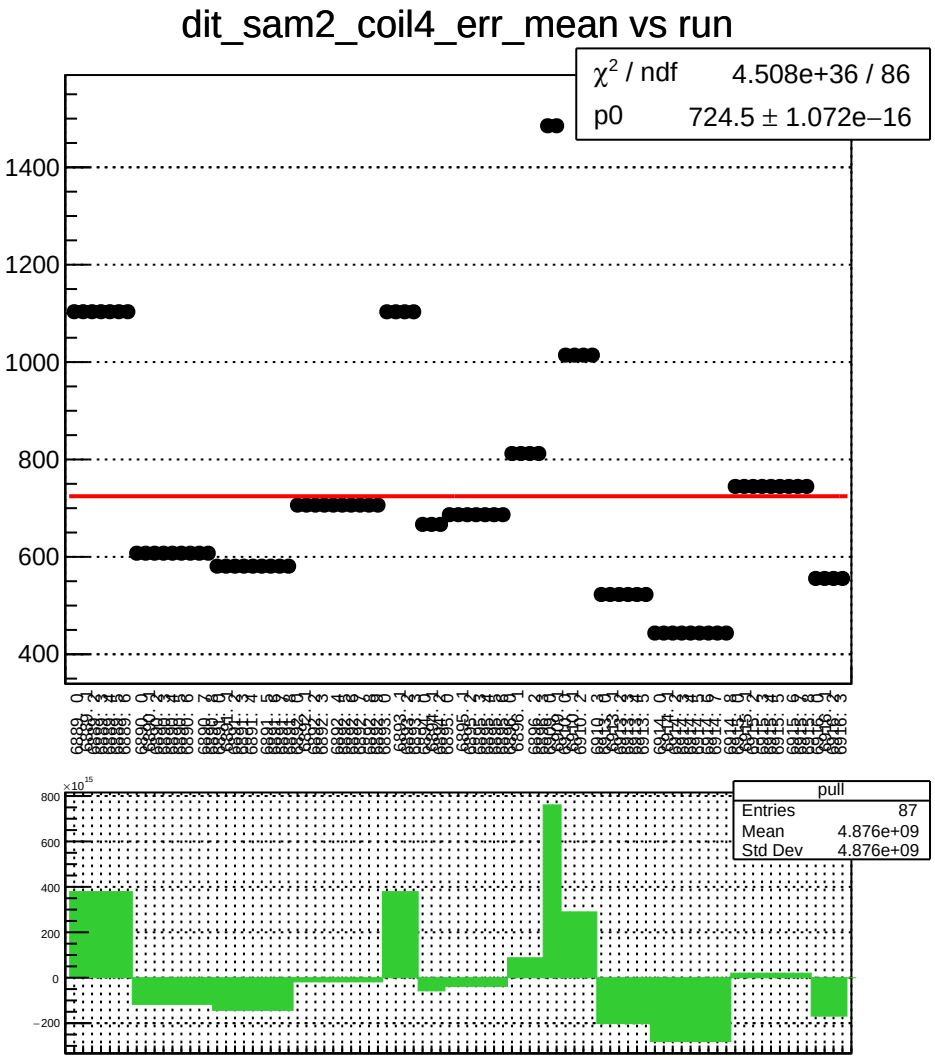

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

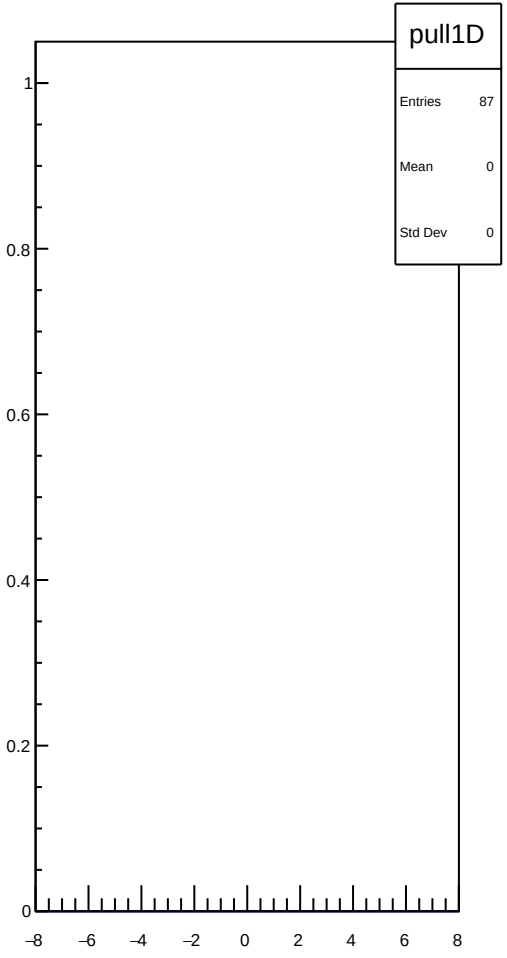

dit_sam1_coil4_mean vs run
χ^2 / ndf 9.485e+35 / 86
p0 −7863 ± 1.072e−16
−7700
−7800
−7900
−8000
−8100
−8200
−8300
pull
Entries 87
Mean 8.939e+06
Std Dev 8.938e+06
×10^15
100
0
−100
−200
−300
−400
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

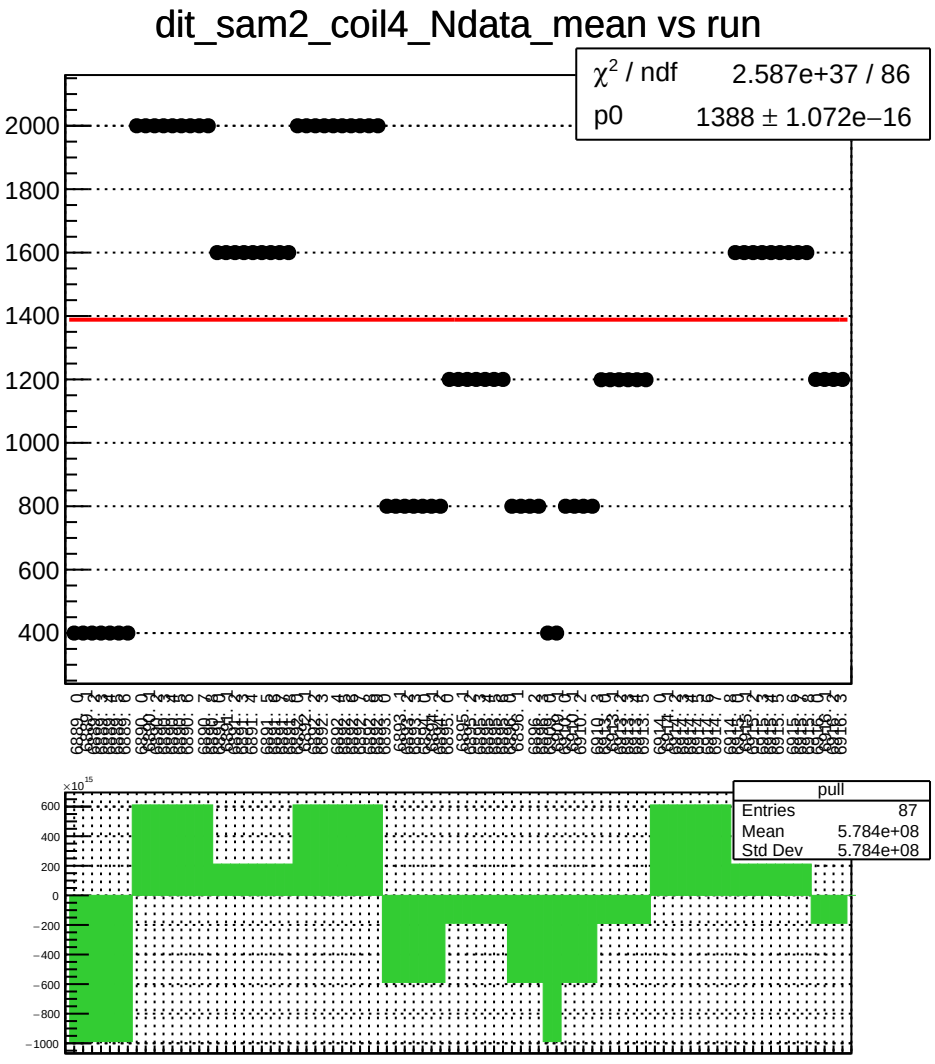

dit_sam1_coil4_err_mean vs run
χ² / ndf 5.789e+34 / 86
p0 76.18 ± 1.072e−16
160
140
120
100
80
60
40
pull
Entries 87
Mean −1.303e+08
Std Dev 1.303e+08
×10¹⁵
80
60
40
20
0
−20
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

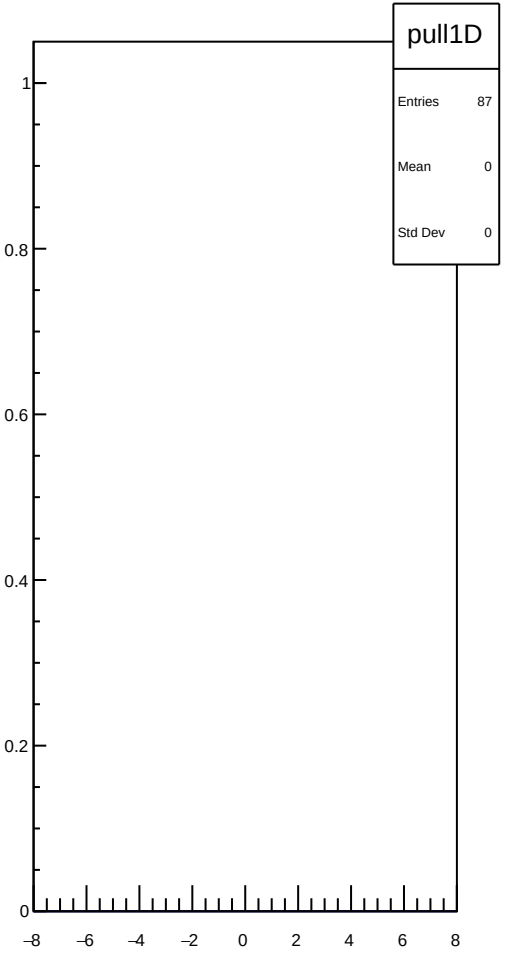

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

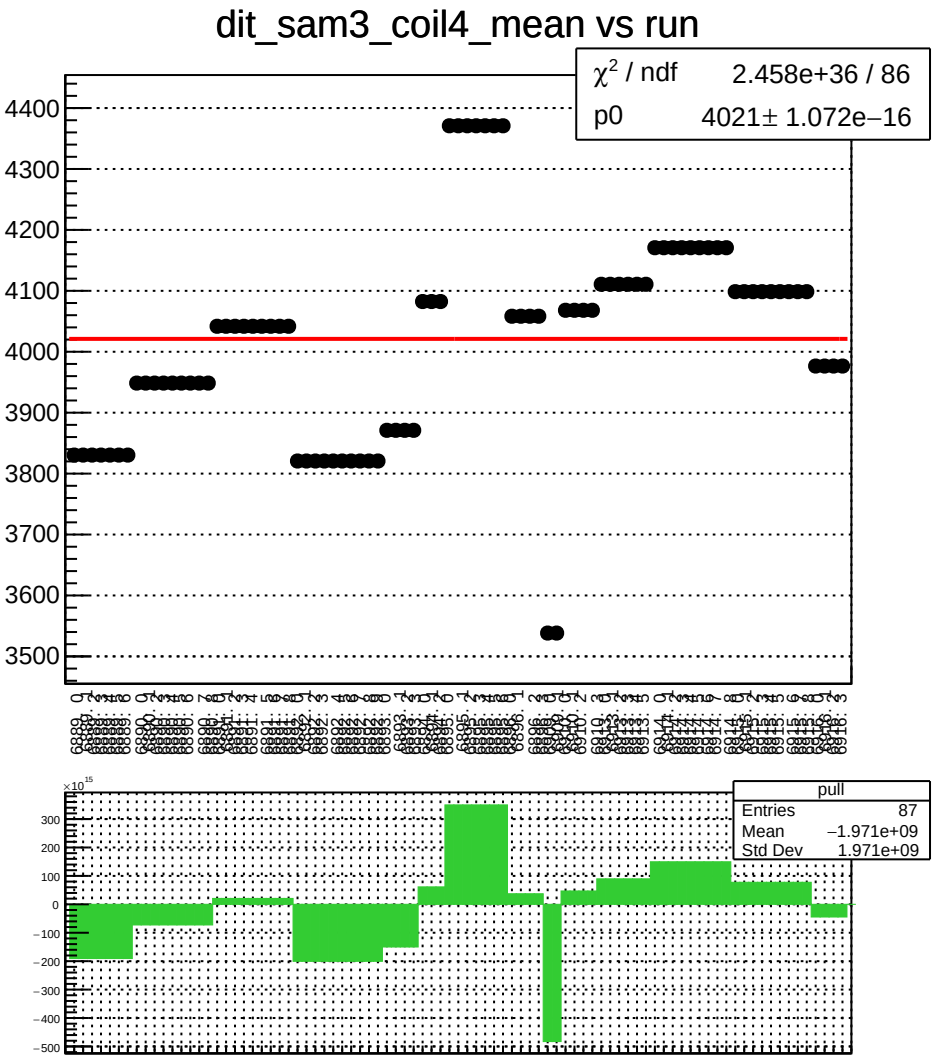

dit_sam2_coil4_mean vs run
χ² / ndf 3.959e+37 / 86
p0 −3.83e+04 ± 1.072e−16
−37500
−38000
−38500
−39000
−39500
−40000
−40500
−41000
pull
Entries 87
Mean −6.389e+09
Std Dev 6.389e+09
×10^15
1000
500
0
−500
−1000
−1500
−2000
−2500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

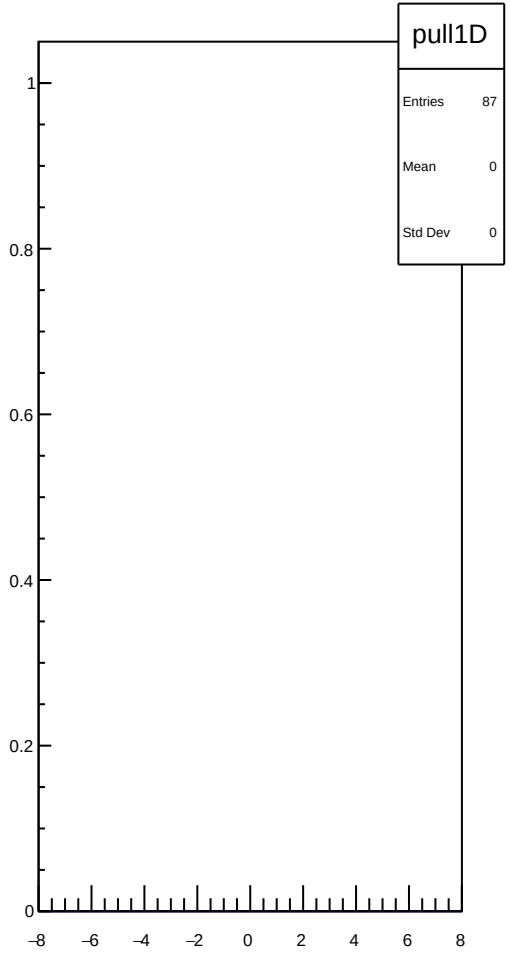

dit_sam2_coil4_err_mean vs run
χ^2 / ndf 4.508e+36 / 86
p0 724.5 ± 1.072e−16
1400
1200
1000
800
600
400
pull
Entries 87
Mean 4.876e+09
Std Dev 4.876e+09
$\times 10^{15}$
800
600
400
200
0
−200

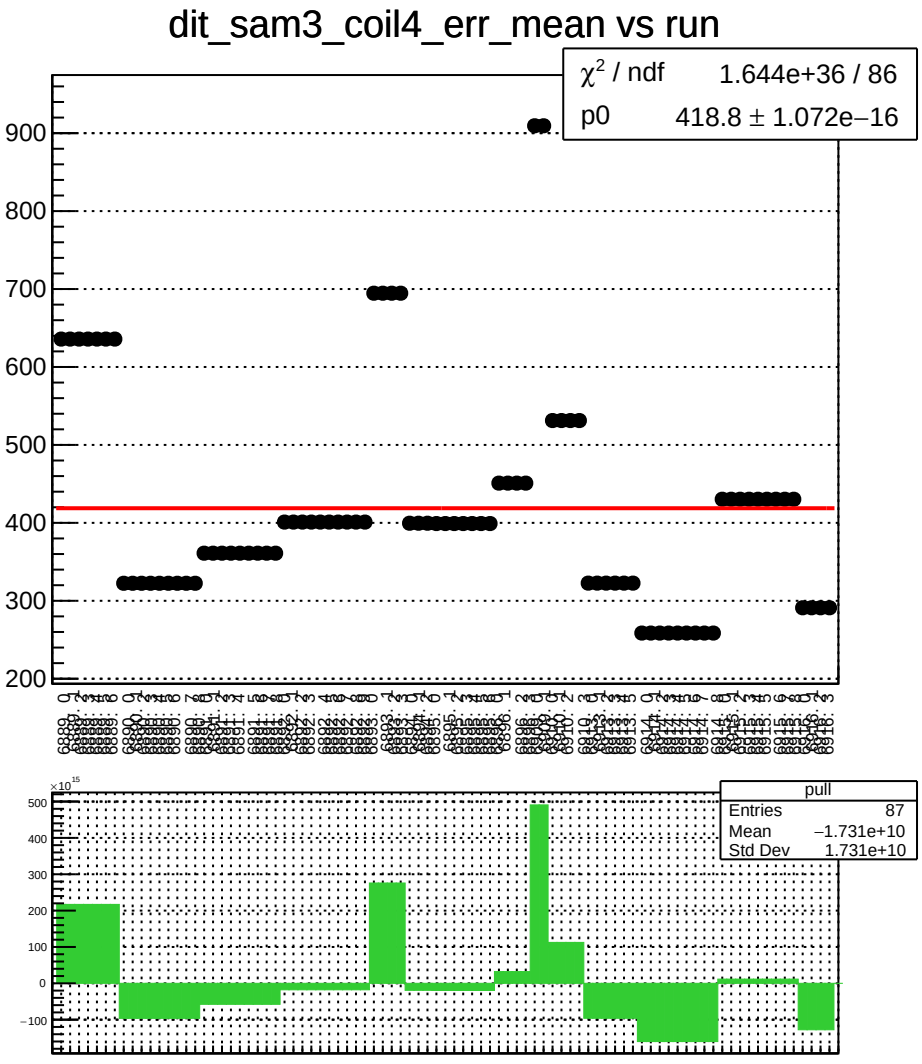

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

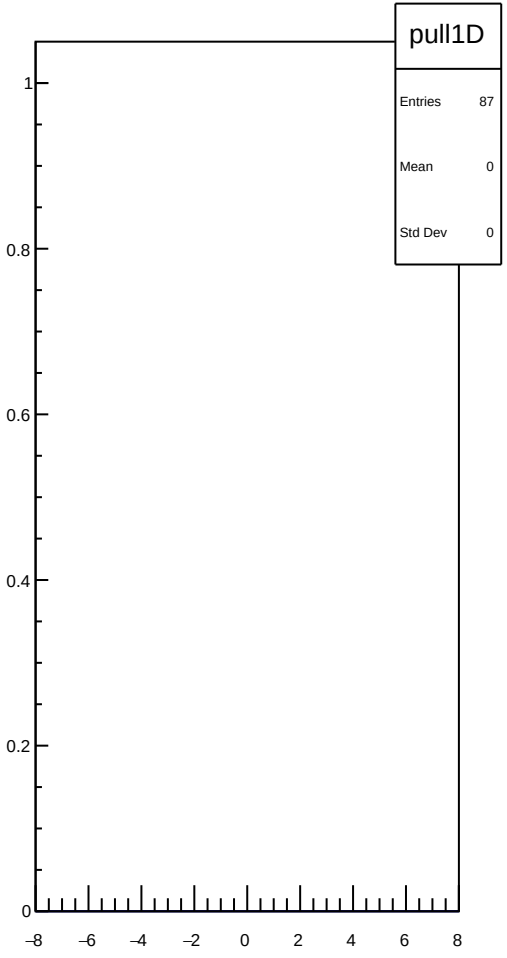

dit_sam2_coil4_Ndata_mean vs run
χ^2 / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

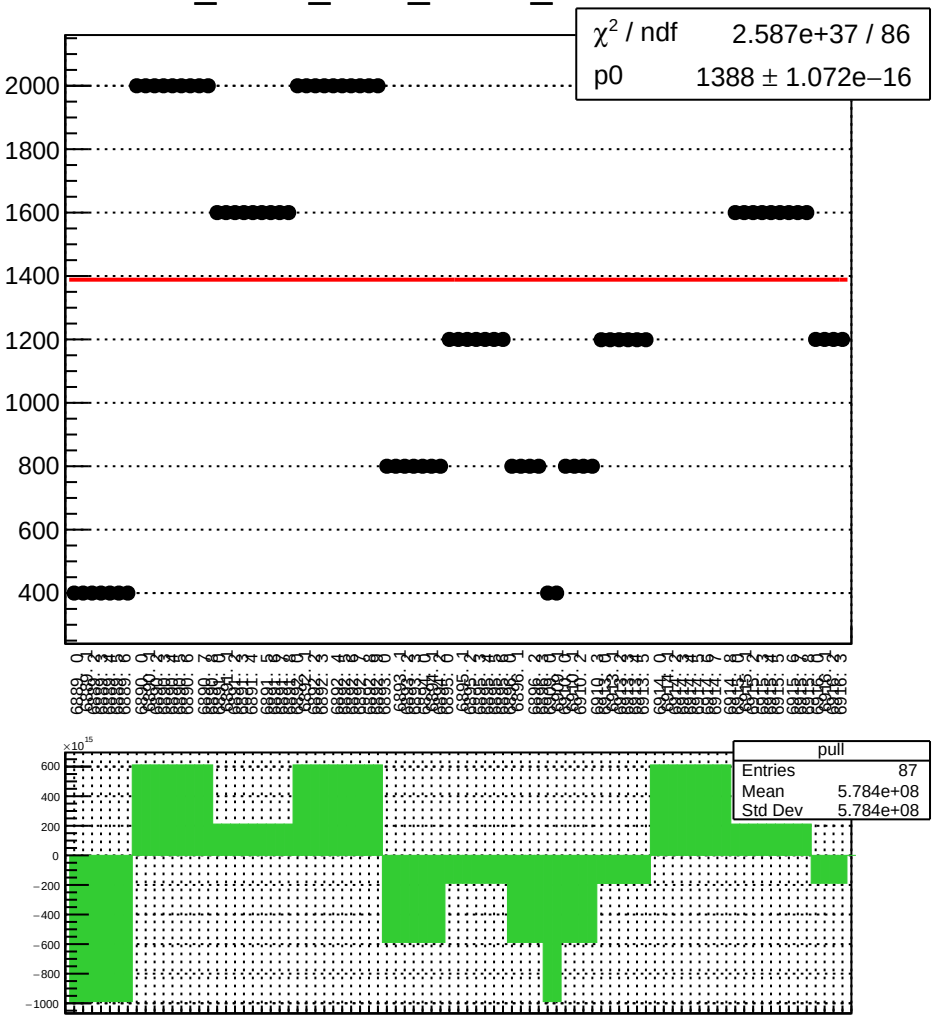

dit_sam3_coil4_mean vs run
χ^2 / ndf 2.458e+36 / 86
p0 4021± 1.072e−16
4400
4300
4200
4100
4000
3900
3800
3700
3600
3500
pull
Entries 87
Mean −1.971e+09
Std Dev 1.971e+09
×10^15
300
200
100
0
−100
−200
−300
−400
−500

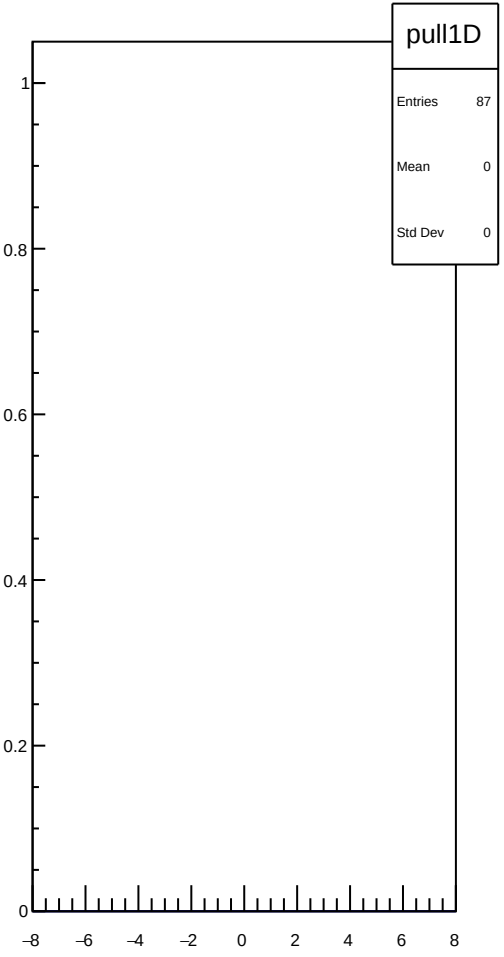

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

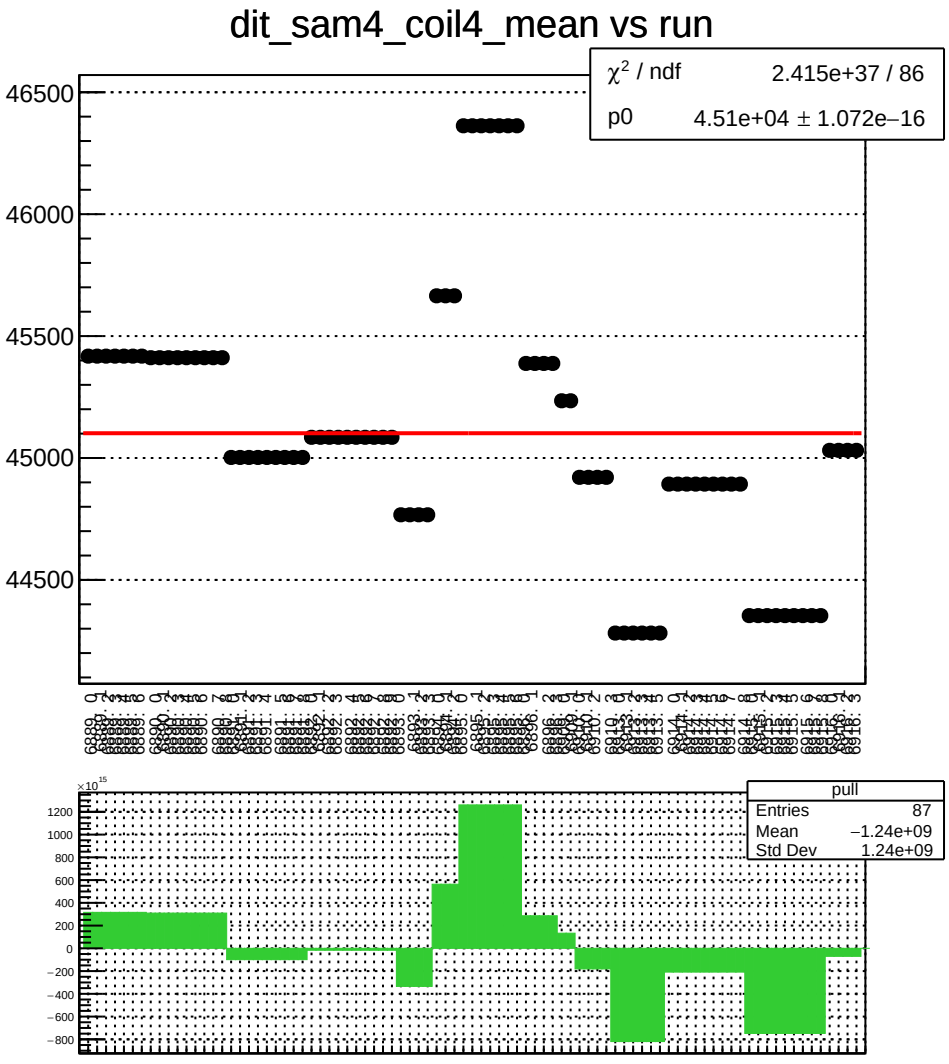

dit_sam3_coil4_err_mean vs run
χ^2 / ndf 1.644e+36 / 86
p0 418.8 ± 1.072e−16
900
800
700
600
500
400
300
200
pull
Entries 87
Mean −1.731e+10
Std Dev 1.731e+10
×10^15
500
400
300
200
100
0
−100

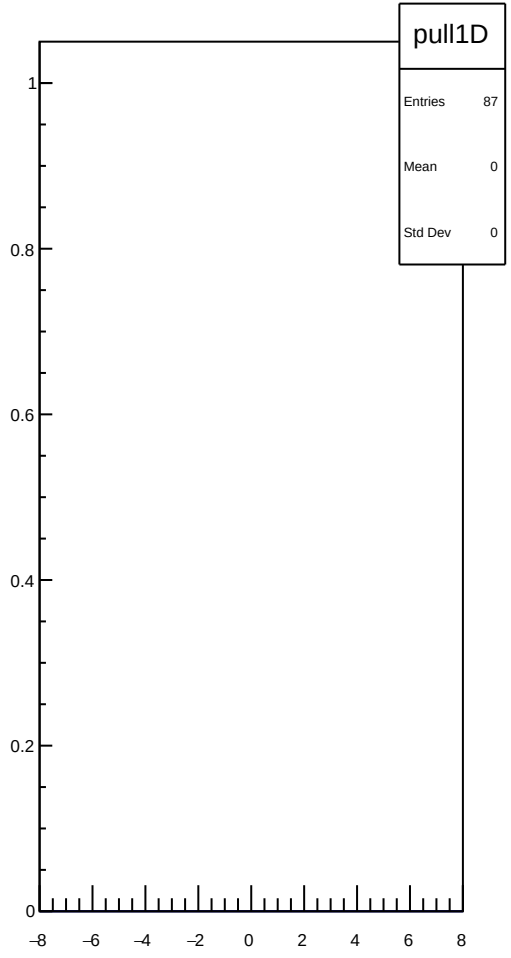

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_Ndata_mean vs run

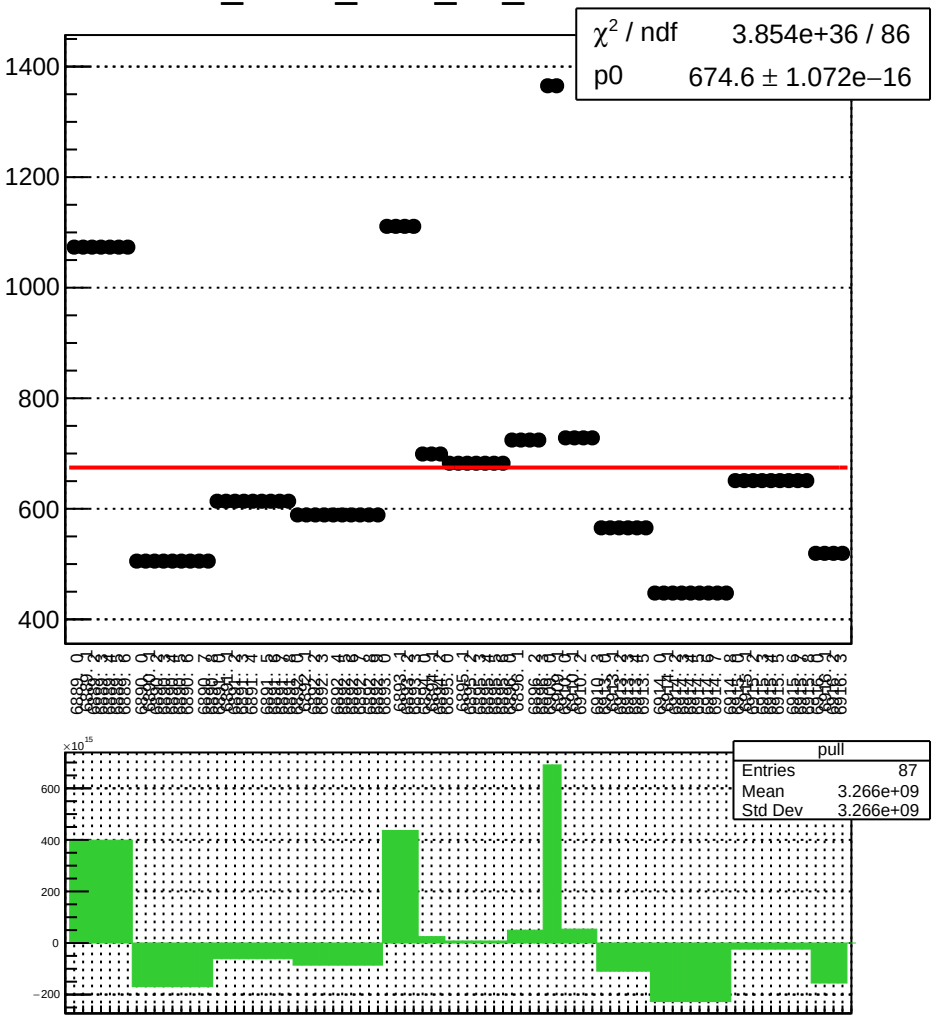


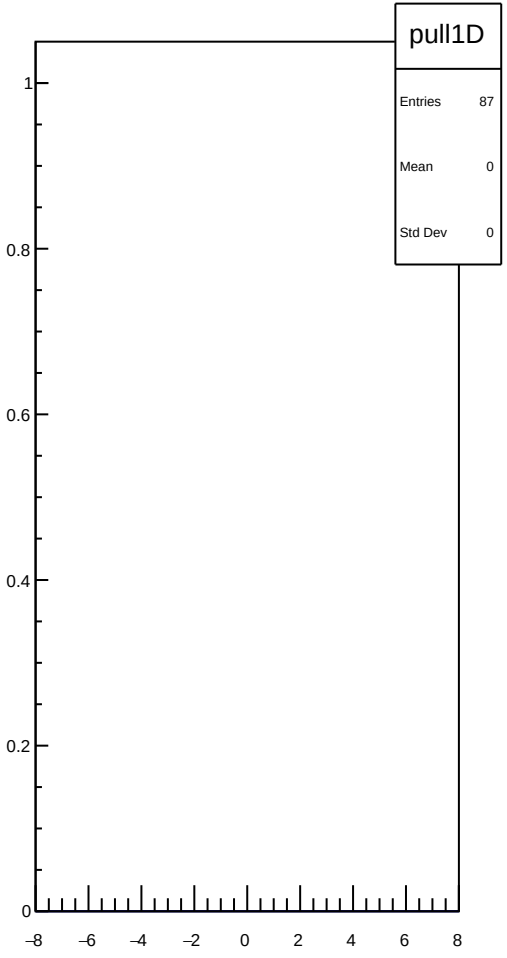


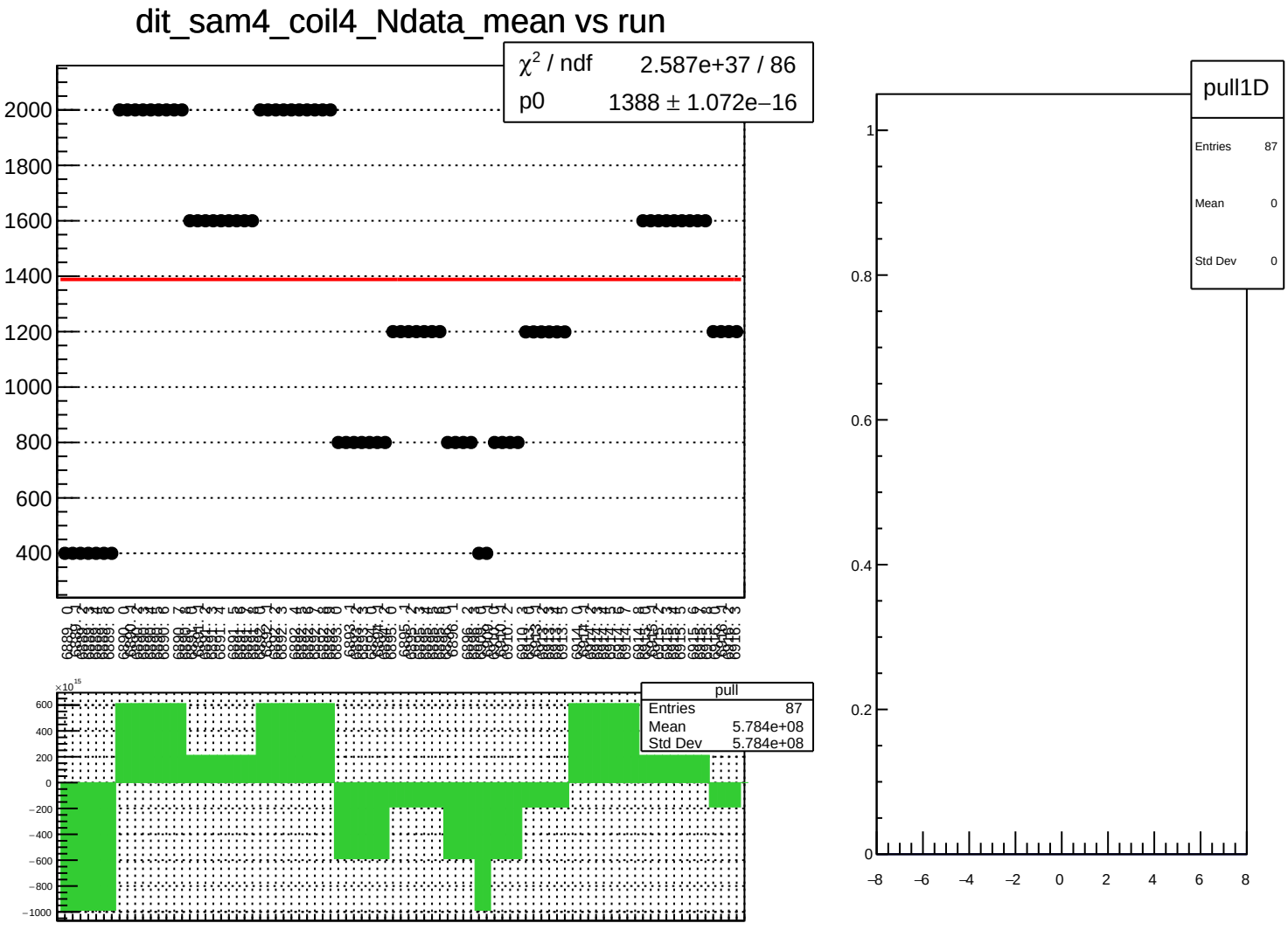

dit_sam4_coil4_mean vs run
χ² / ndf 2.415e+37 / 86
p0 4.51e+04 ± 1.072e−16
46500
46000
45500
45000
44500
pull
Entries 87
Mean −1.24e+09
Std Dev 1.24e+09
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800

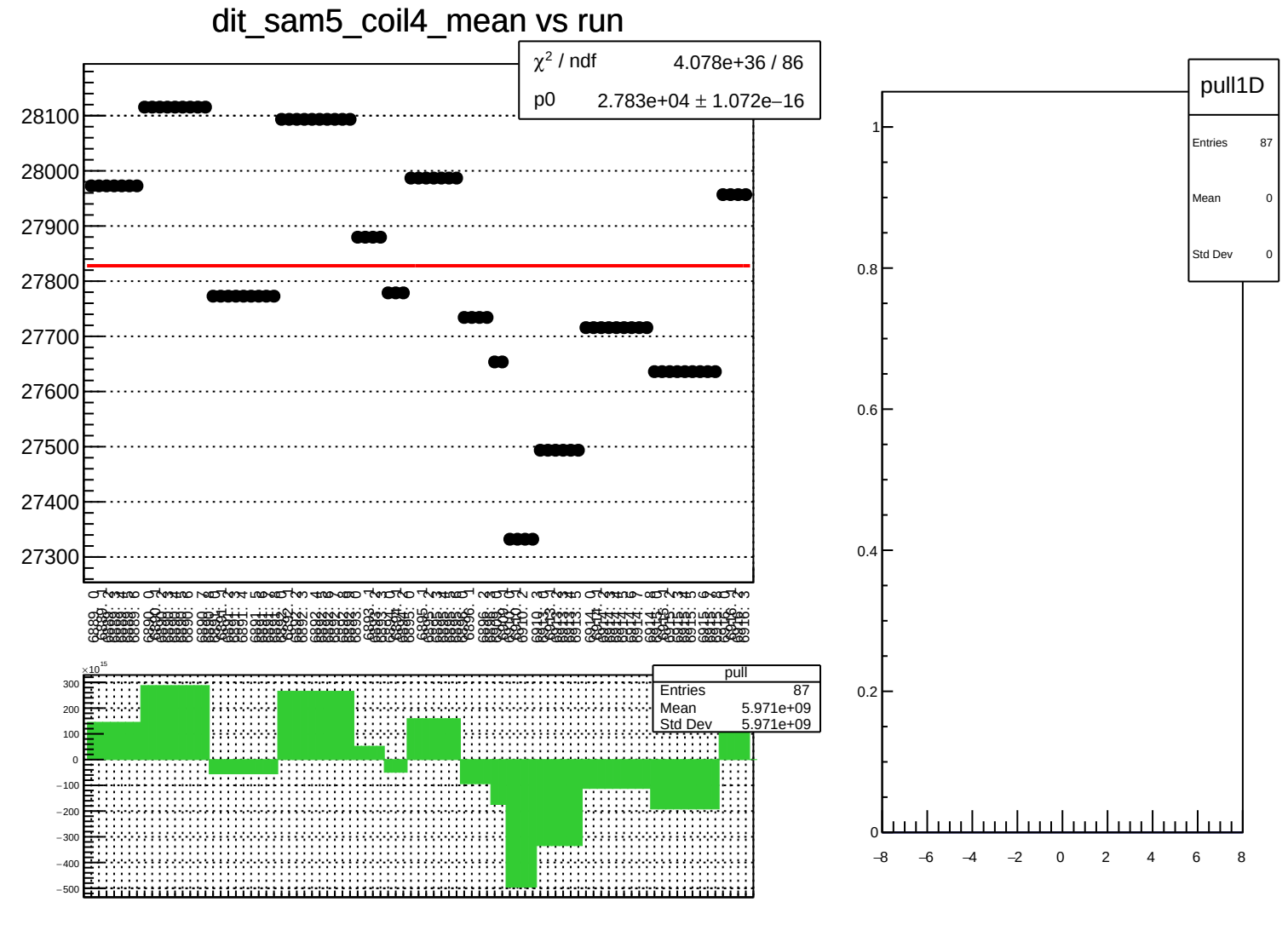

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

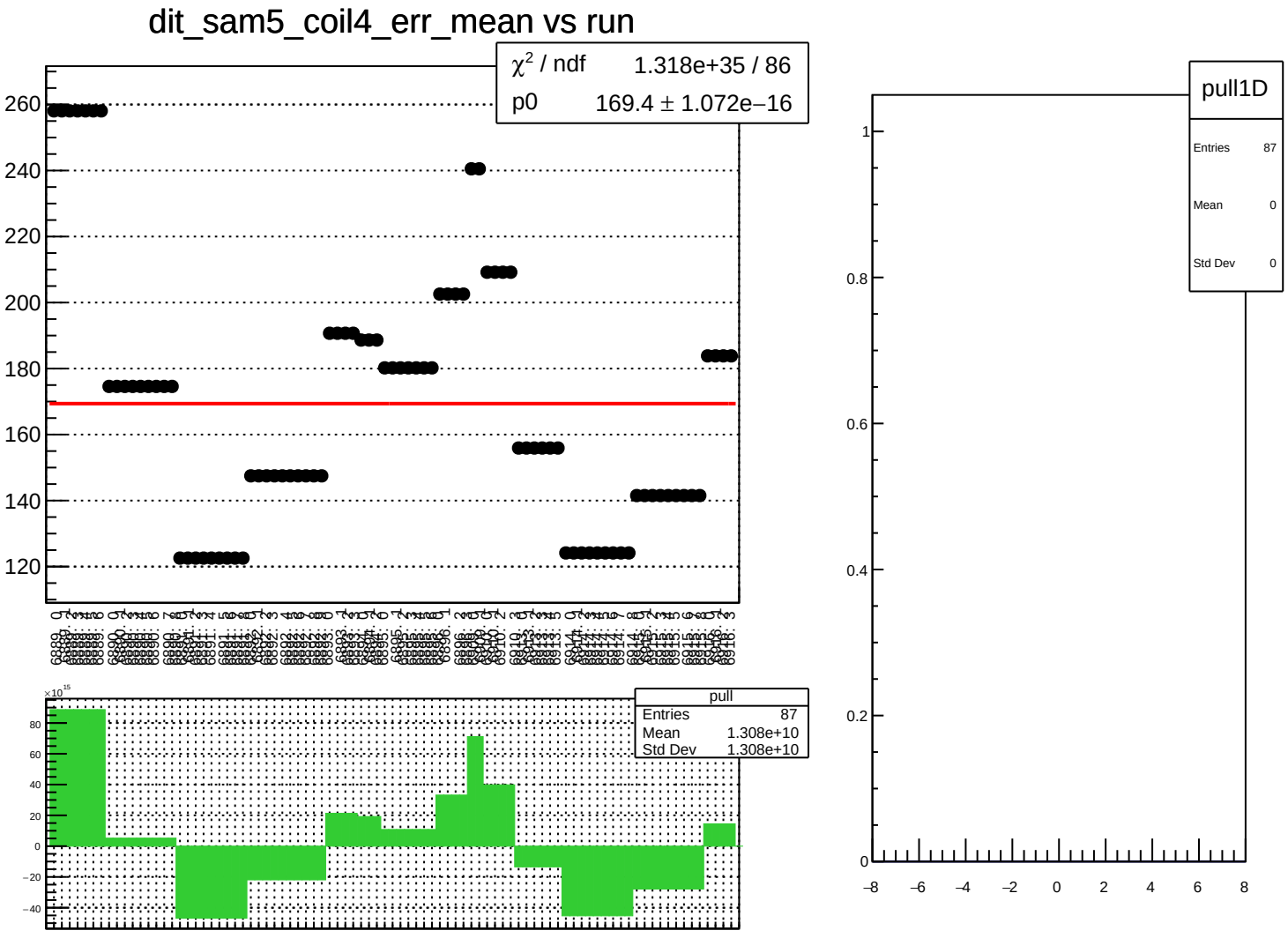
dit_sam4_coil4_err_mean vs run

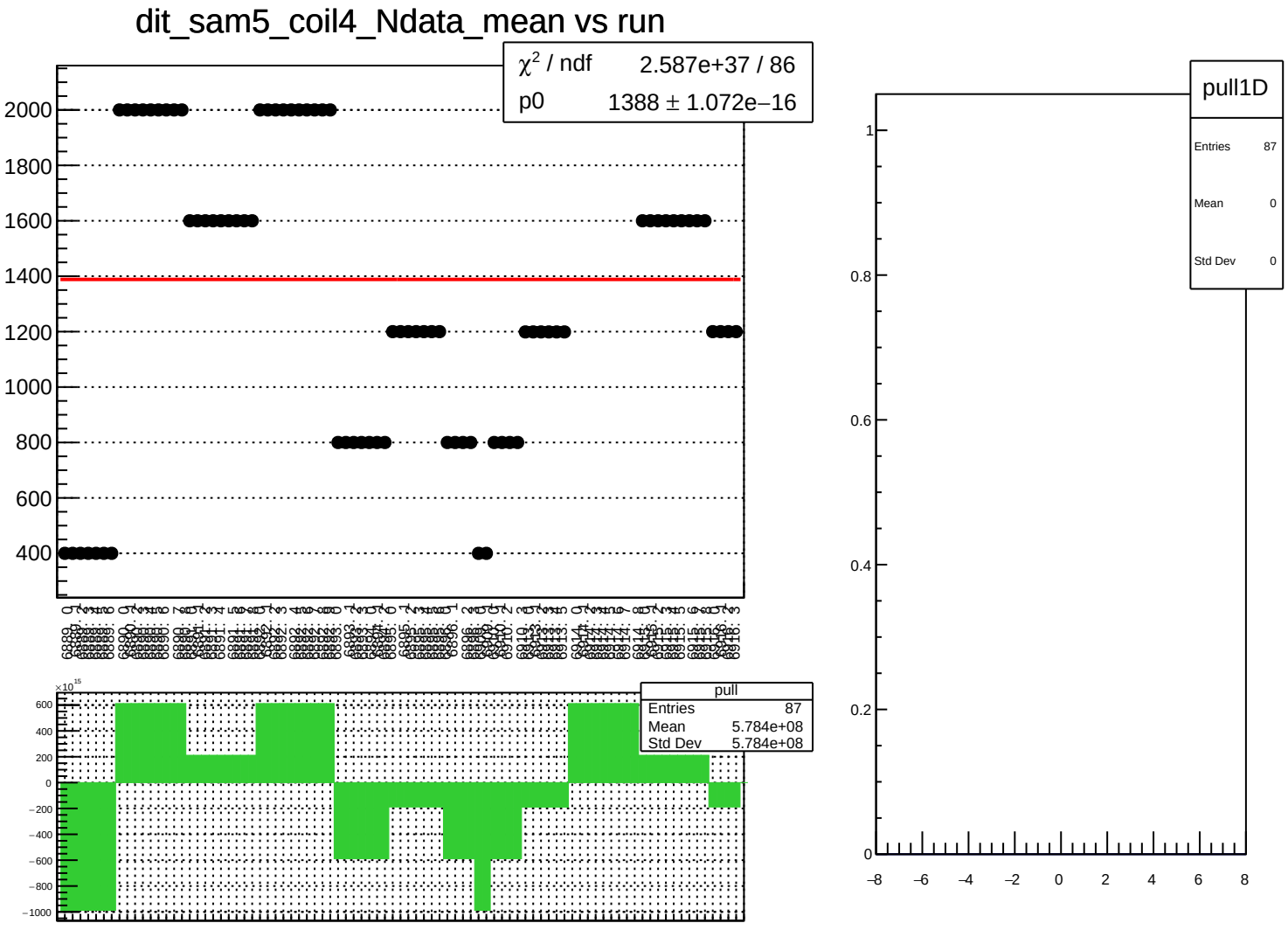


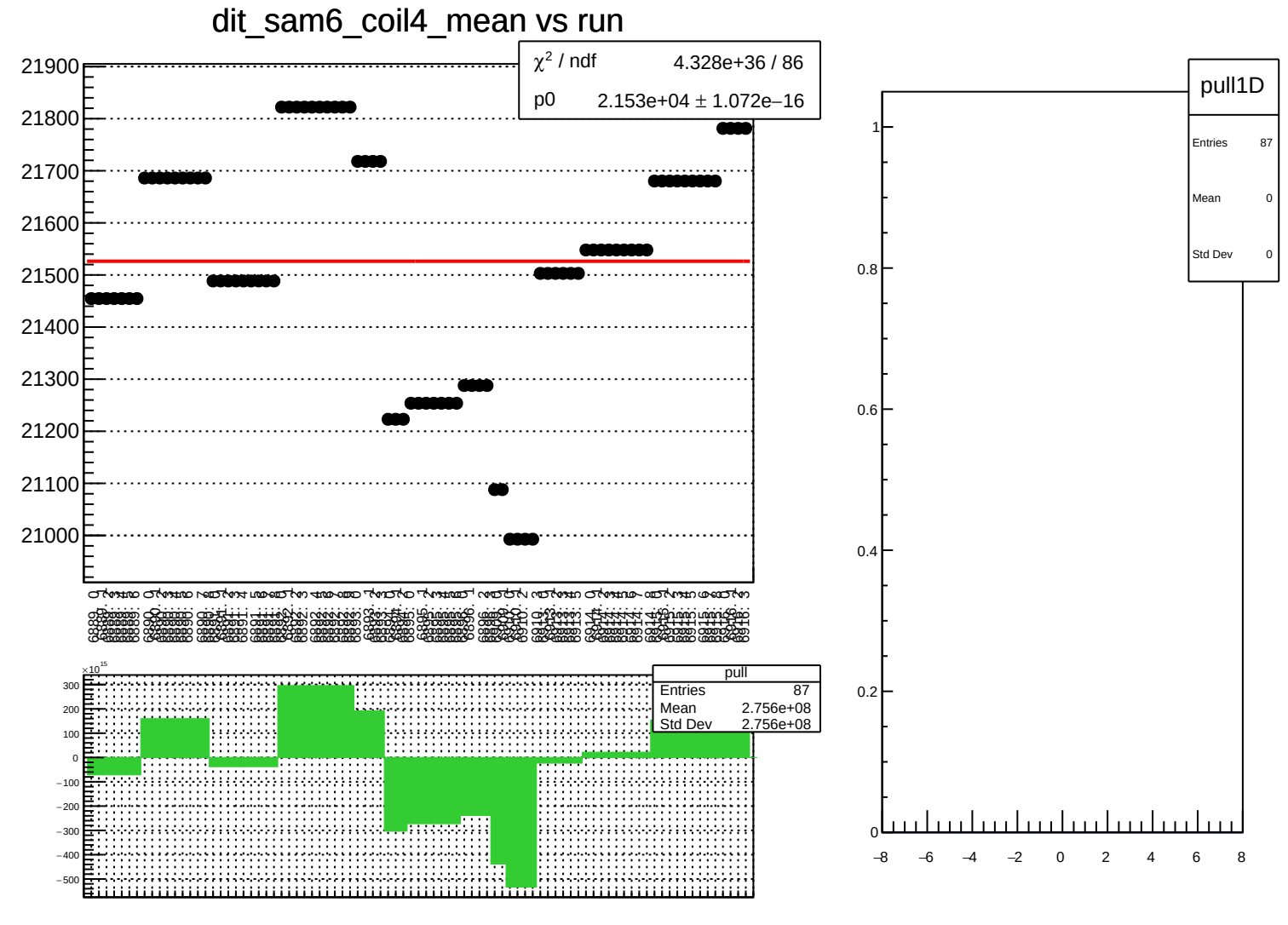


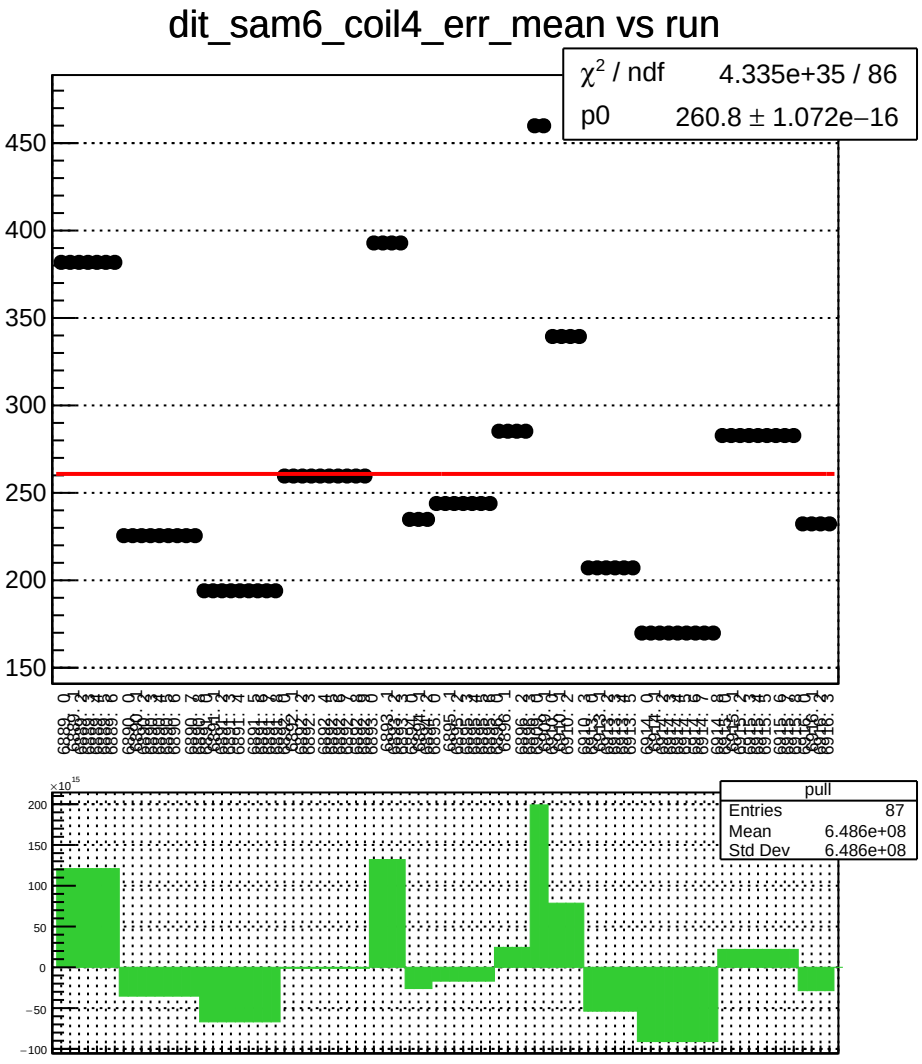

dit_sam4_coil4_Ndata_mean vs run
χ^2 / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

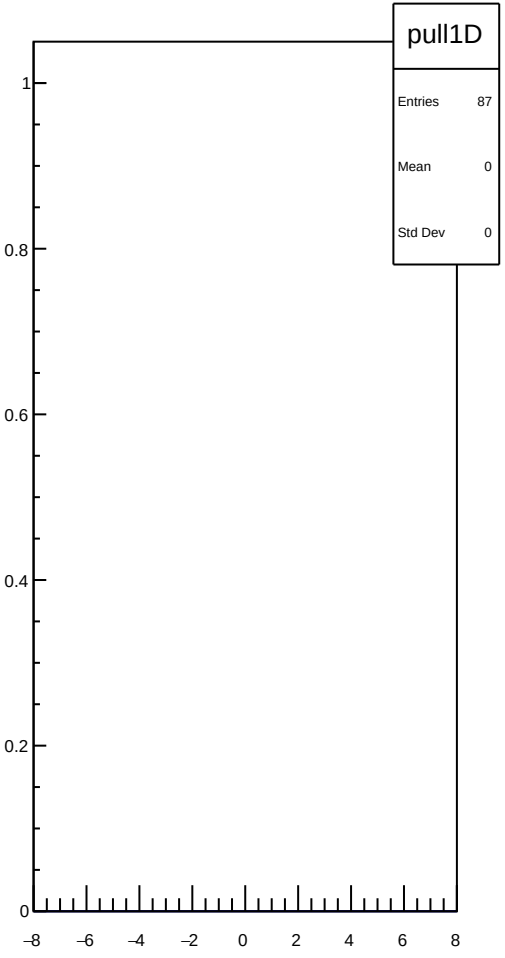

dit_sam5_coil4_mean vs run
χ² / ndf 4.078e+36 / 86
p0 2.783e+04 ± 1.072e−16
28100
28000
27900
27800
27700
27600
27500
27400
27300
pull
Entries 87
Mean 5.971e+09
Std Dev 5.971e+09
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

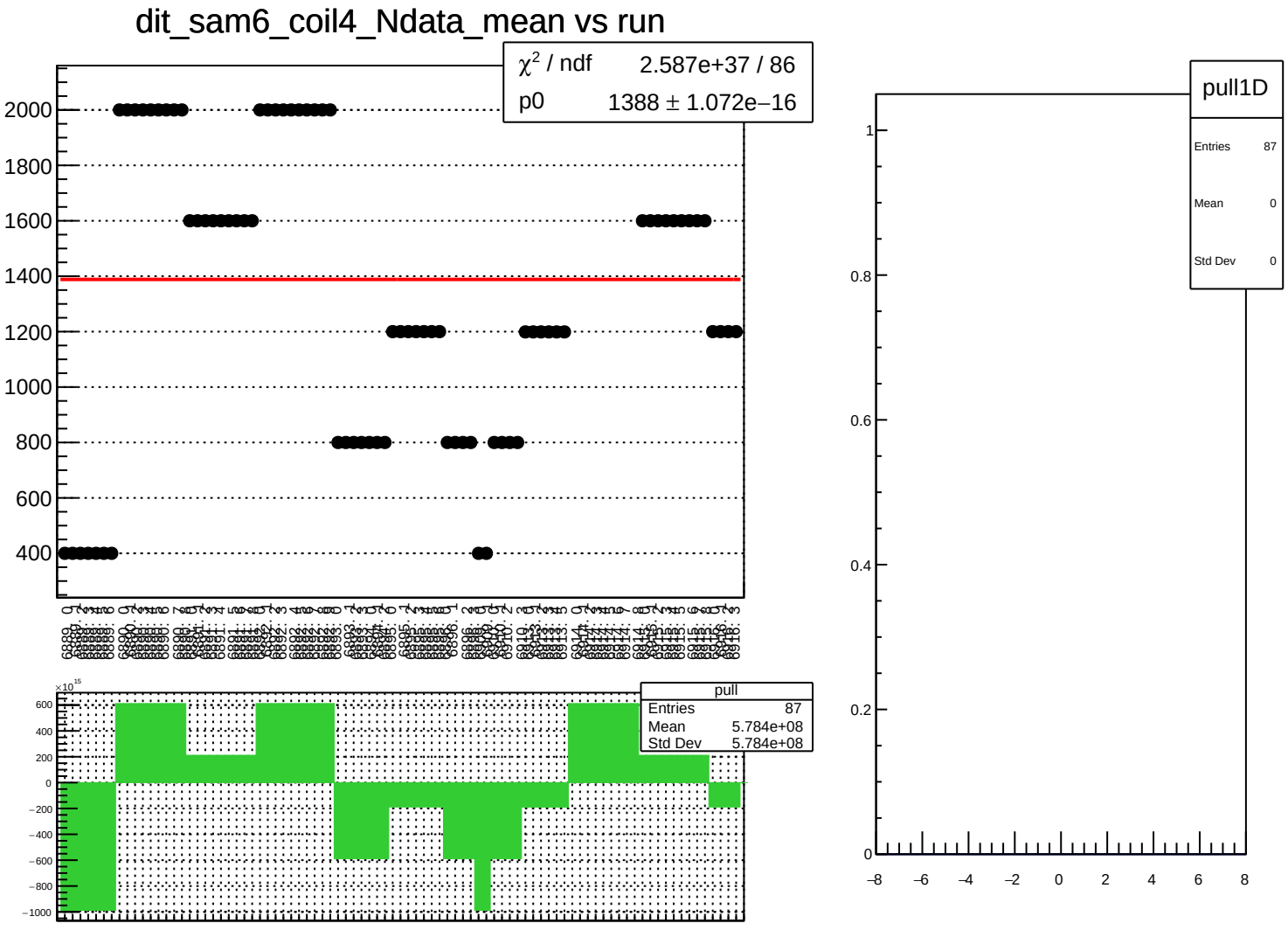

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.318e+35 / 86
p0 169.4 ± 1.072e−16
pull
Entries 87
Mean 1.308e+10
Std Dev 1.308e+10
pull1D
Entries 87
Mean 0
Std Dev 0

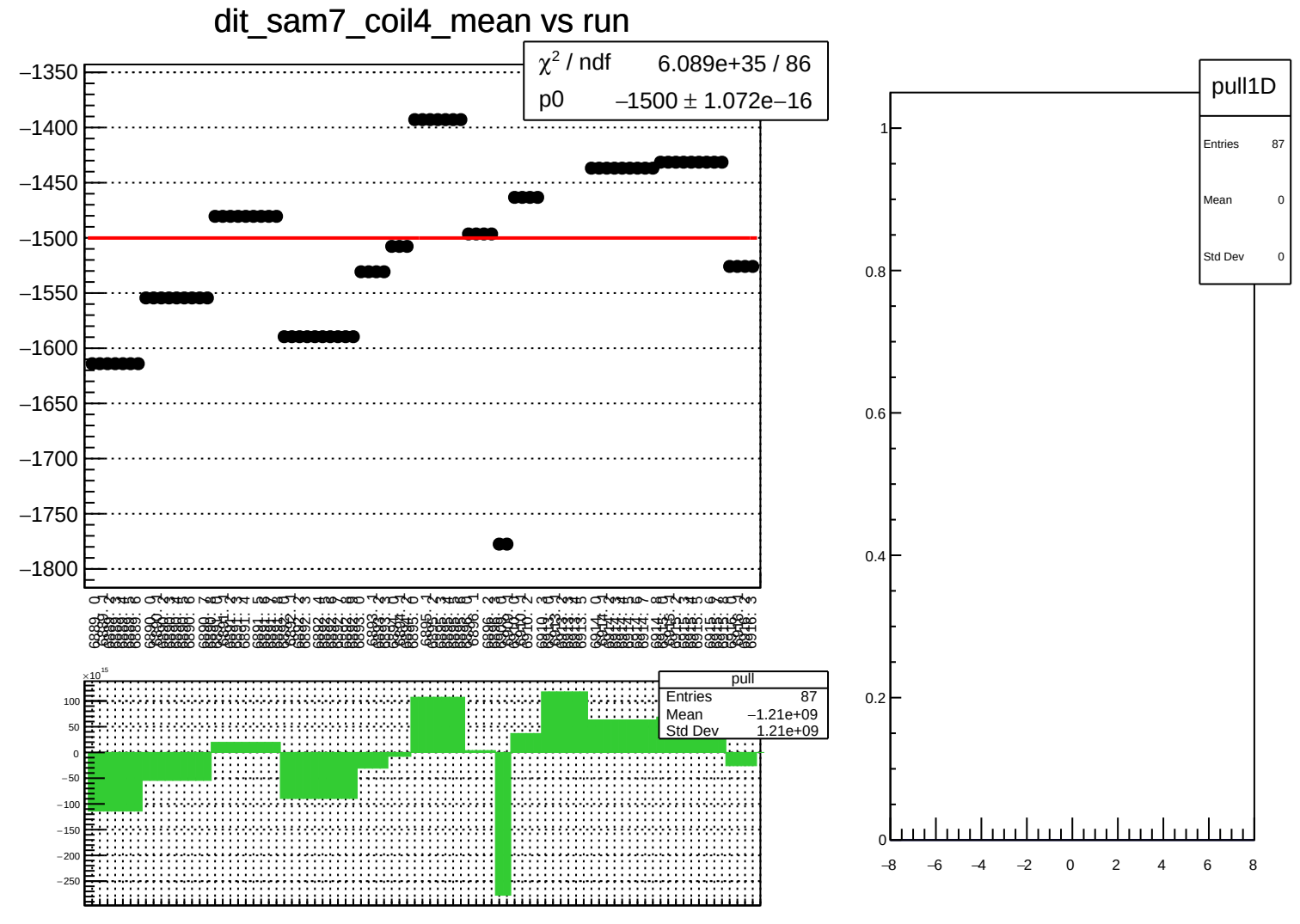

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

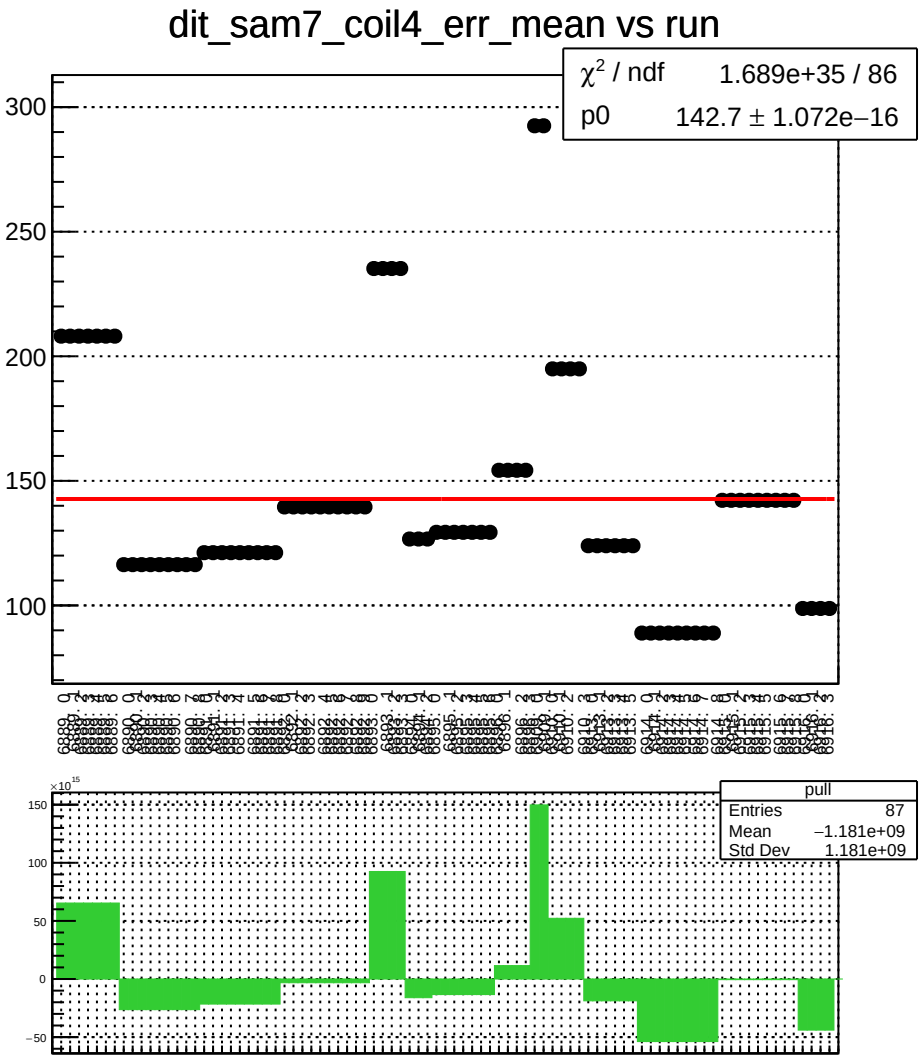

dit_sam6_coil4_mean vs run
χ² / ndf 4.328e+36 / 86
p0 2.153e+04 ± 1.072e−16
21900
21800
21700
21600
21500
21400
21300
21200
21100
21000
pull
Entries 87
Mean 2.756e+08
Std Dev 2.756e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

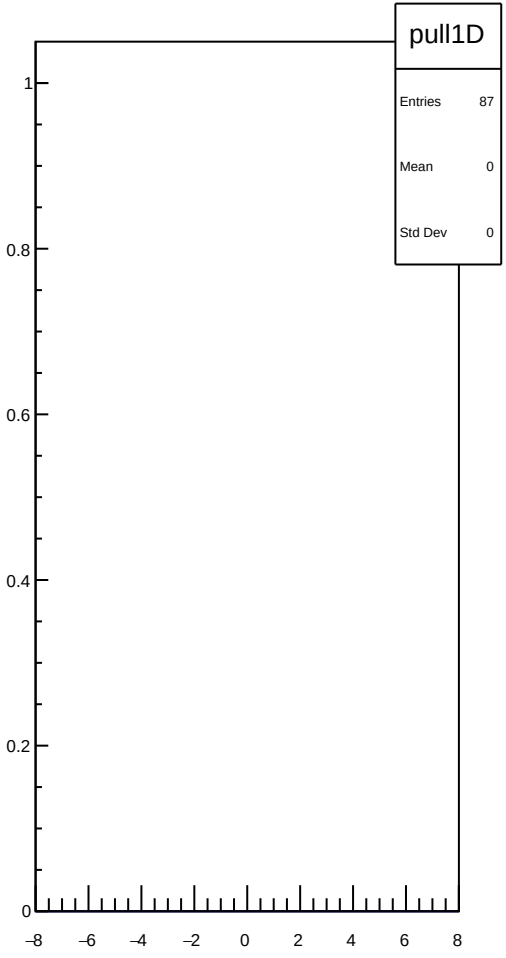

dit_sam6_coil4_err_mean vs run
χ² / ndf 4.335e+35 / 86
p0 260.8 ± 1.072e−16
450
400
350
300
250
200
150
×10¹⁵
200
150
100
50
0
−50
−100
pull
Entries 87
Mean 6.486e+08
Std Dev 6.486e+08

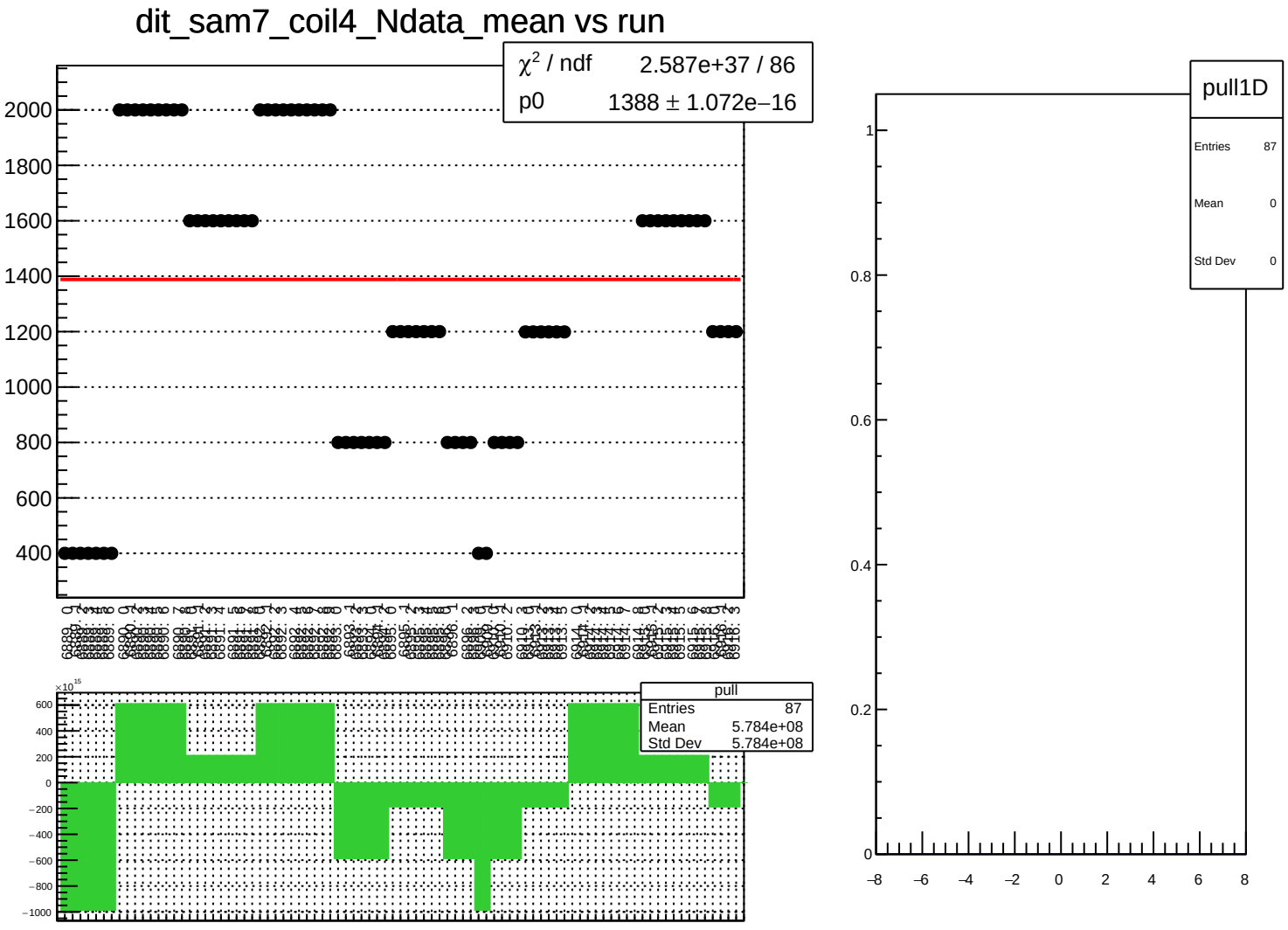

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil4_mean vs run
χ² / ndf 6.089e+35 / 86
p0 −1500 ± 1.072e−16
−1350
−1400
−1450
−1500
−1550
−1600
−1650
−1700
−1750
−1800
pull
Entries 87
Mean −1.21e+09
Std Dev 1.21e+09
×10¹⁵
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil4_err_mean vs run
χ² / ndf 1.689e+35 / 86
p0 142.7 ± 1.072e−16
300
250
200
150
100
pull
Entries 87
Mean −1.181e+09
Std Dev 1.181e+09
×10¹⁵
150
100
50
0
−50


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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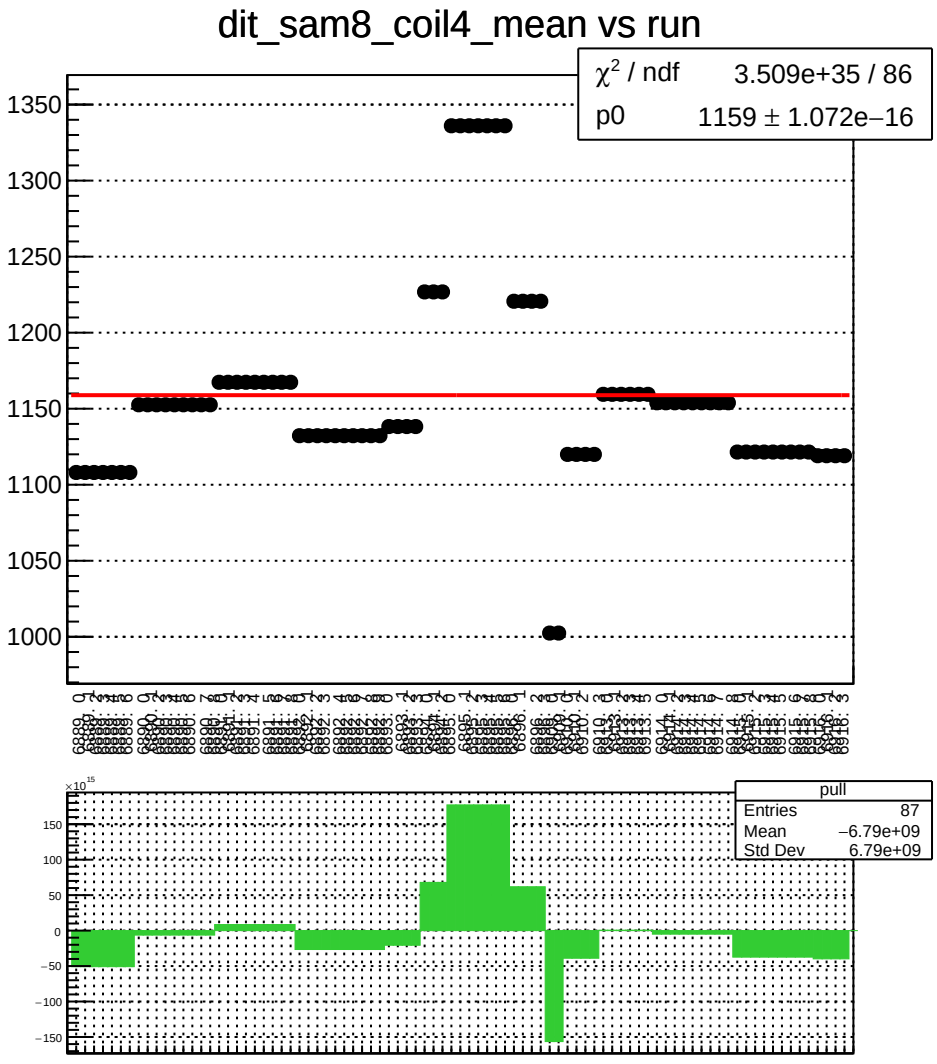
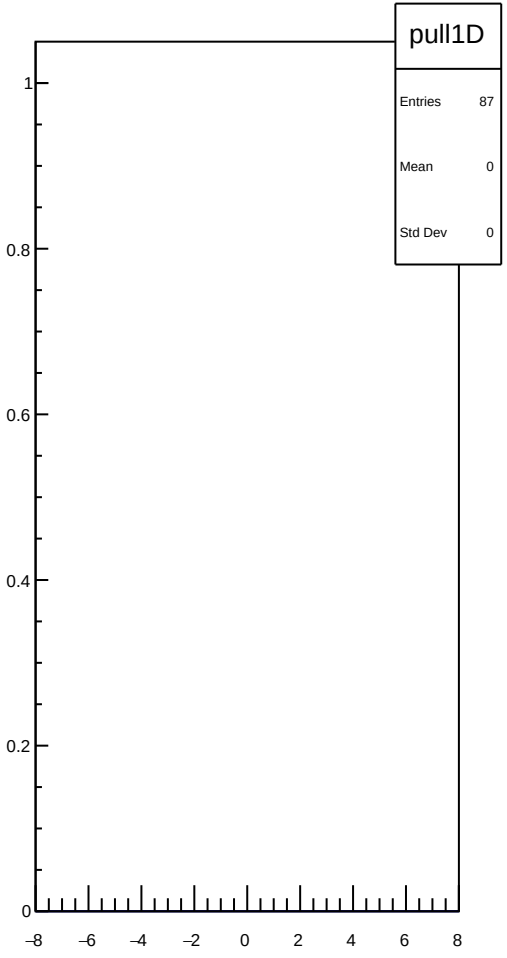
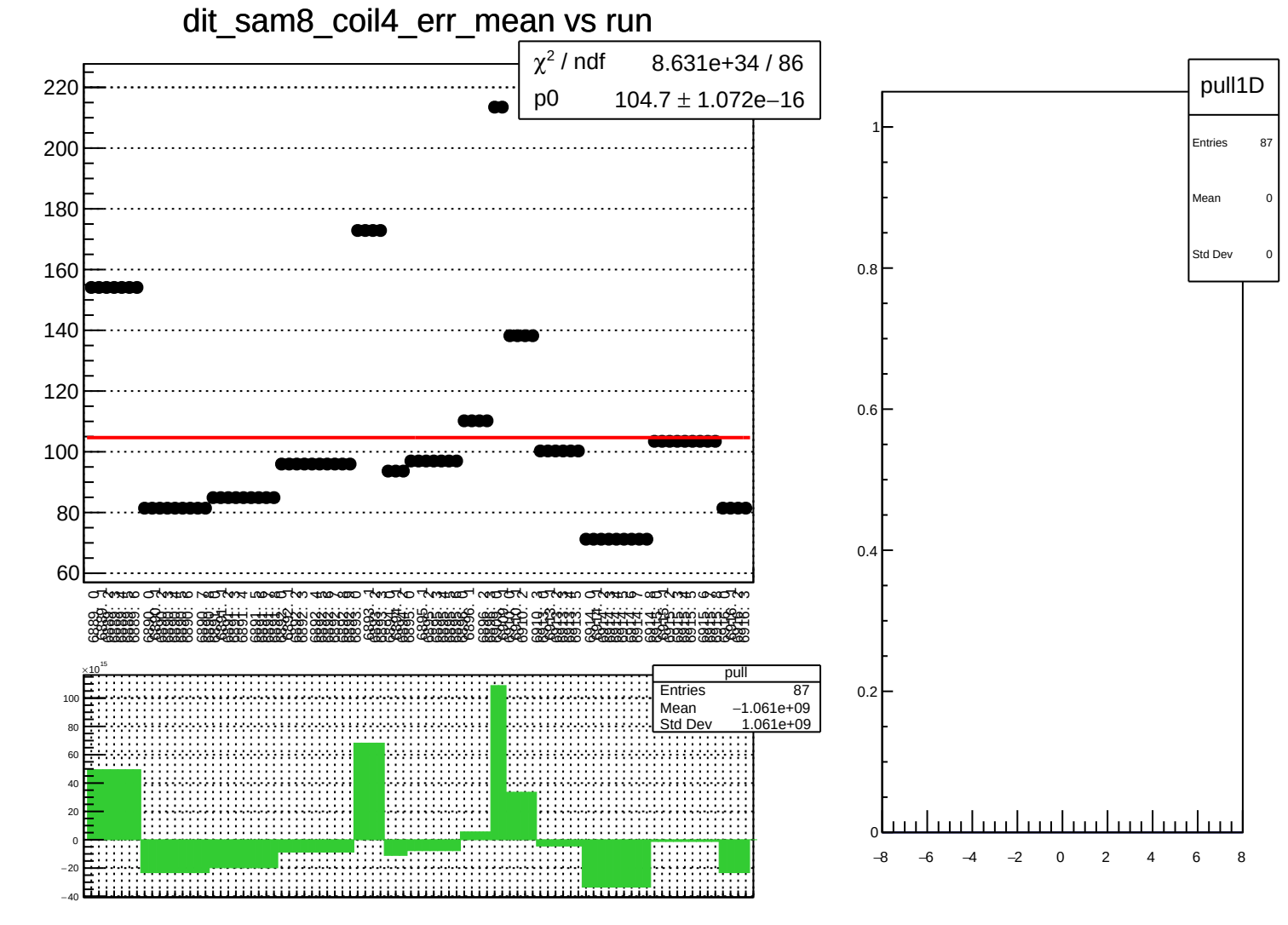
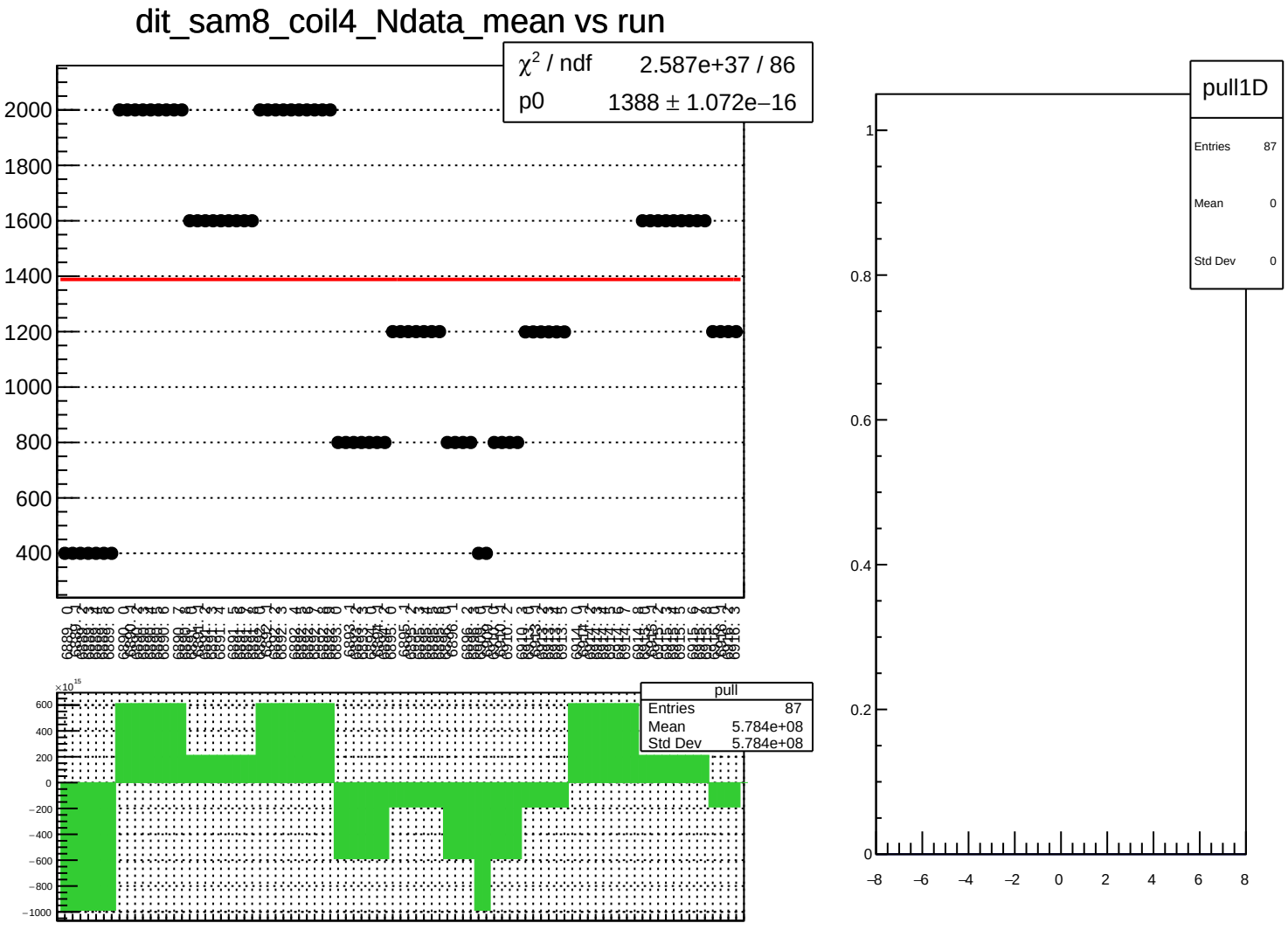
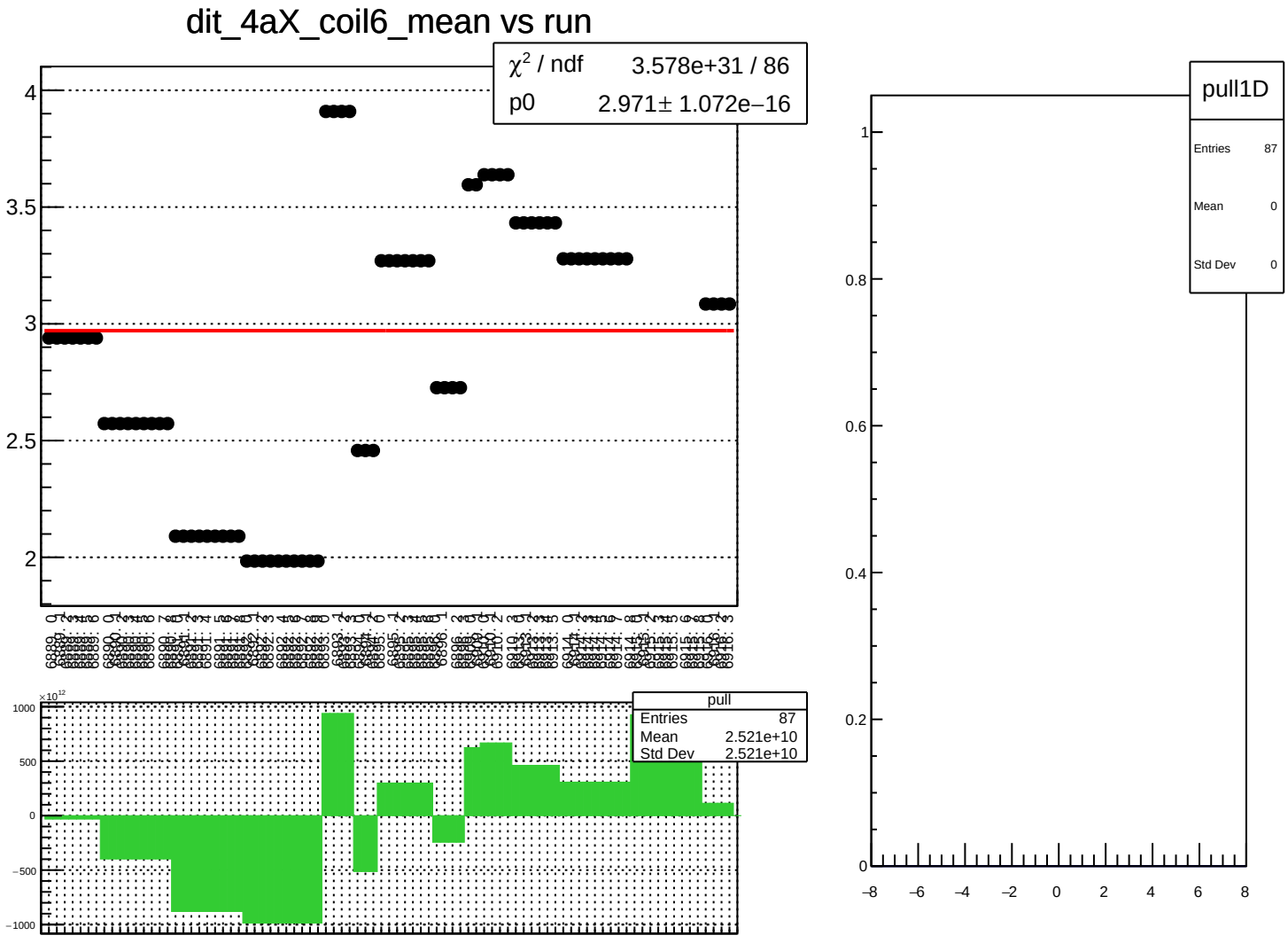
0
2
4
6
8

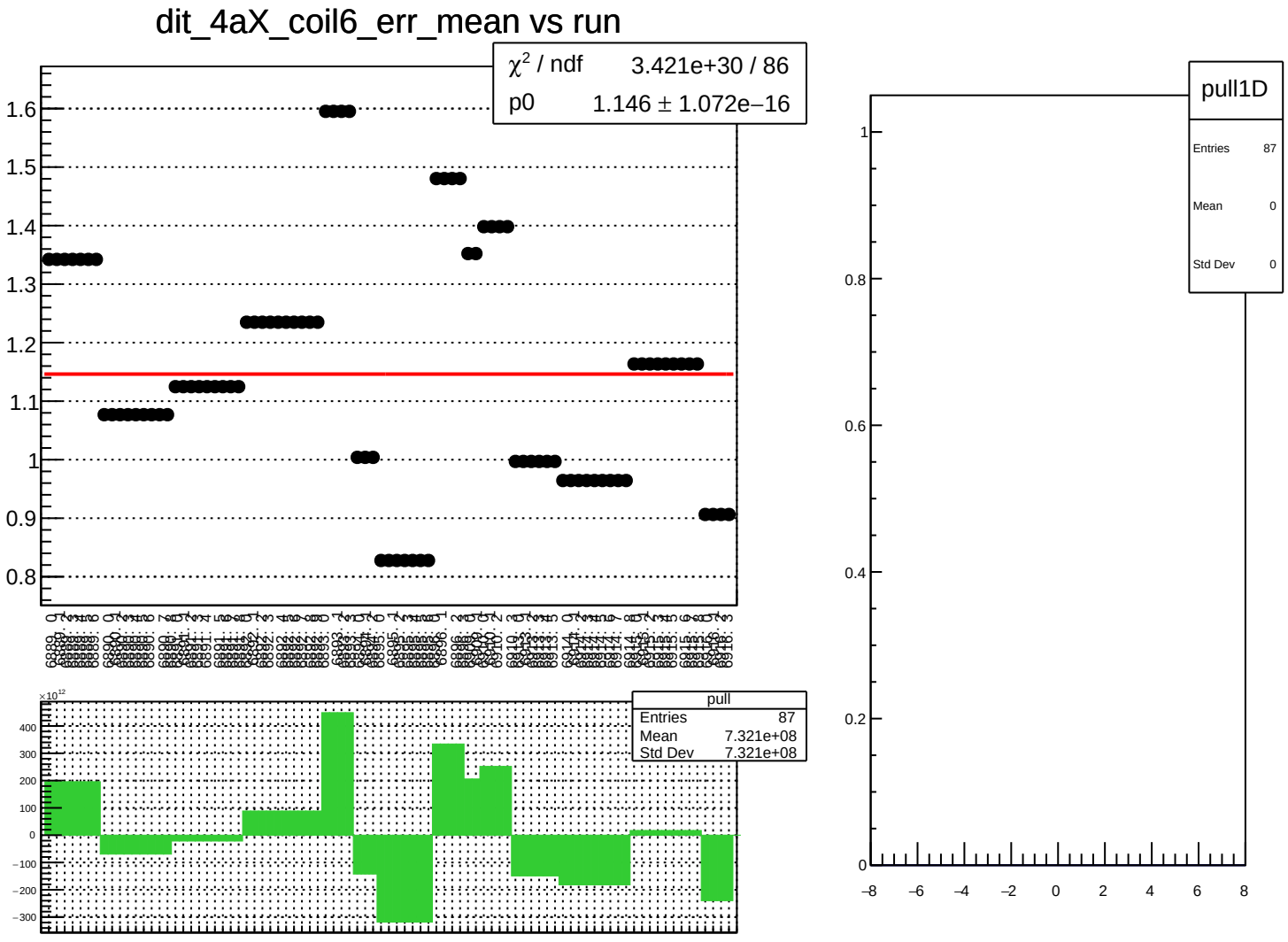

dit_sam8_coil4_mean vs run
χ^2 / ndf 3.509e+35 / 86
p0 1159 ± 1.072e−16
1350
1300
1250
1200
1150
1100
1050
1000
pull
Entries 87
Mean −6.79e+09
Std Dev 6.79e+09
×10^15
150
100
50
0
−50
−100
−150


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

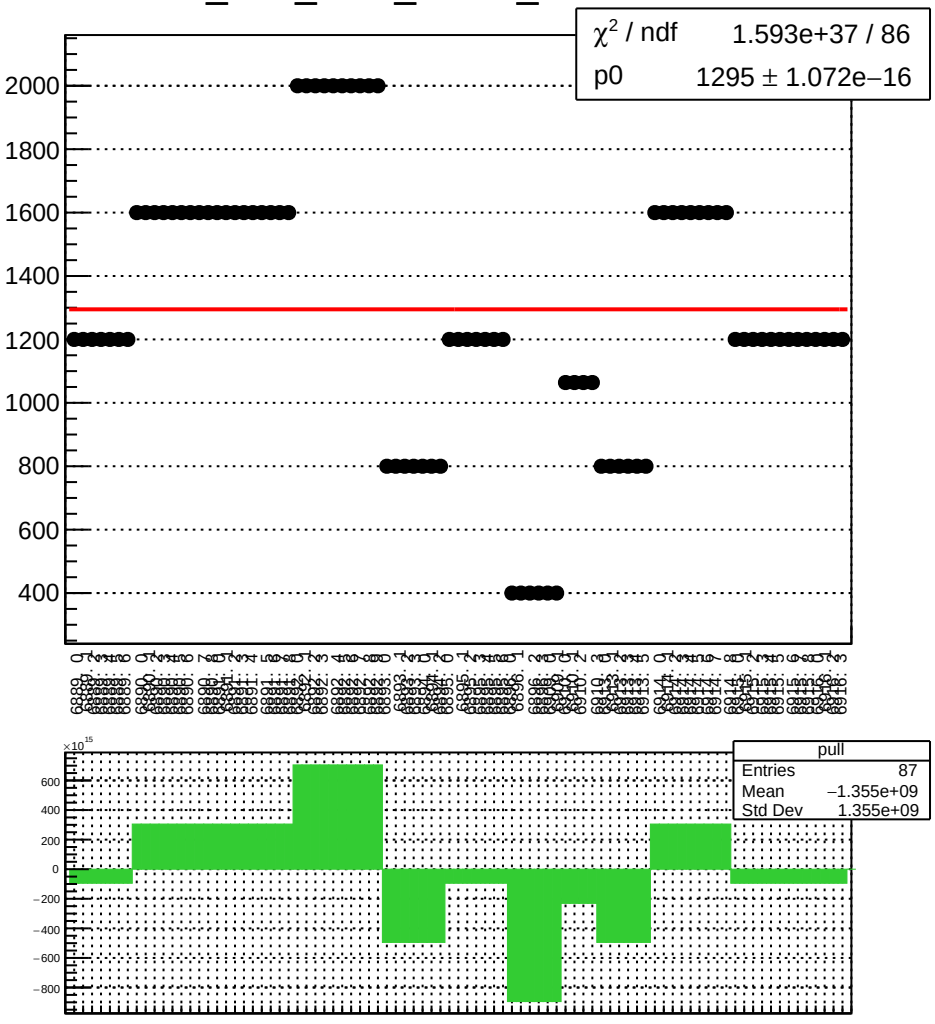

dit_sam8_coil4_err_mean vs run
χ² / ndf 8.631e+34 / 86
p0 104.7 ± 1.072e−16
pull
Entries 87
Mean −1.061e+09
Std Dev 1.061e+09
pull1D
Entries 87
Mean 0
Std Dev 0

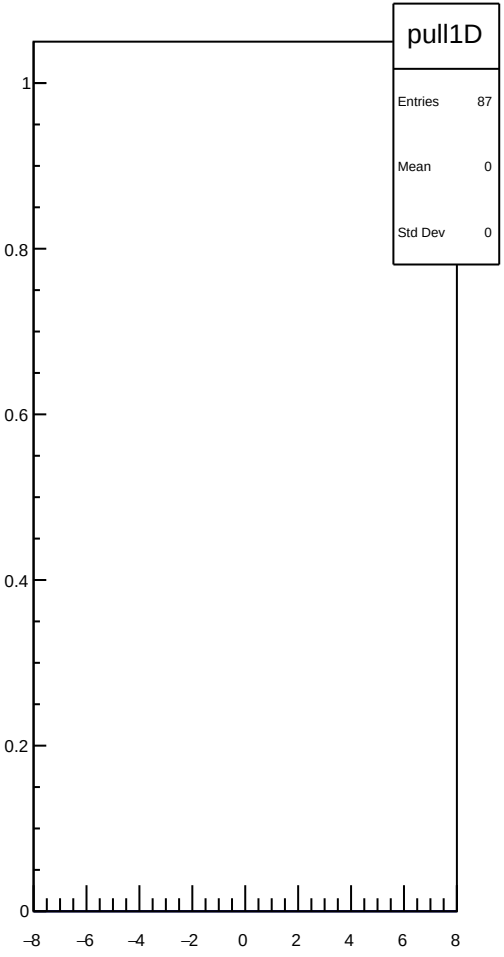

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 2.587e+37 / 86
p0 1388 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean 5.784e+08
Std Dev 5.784e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

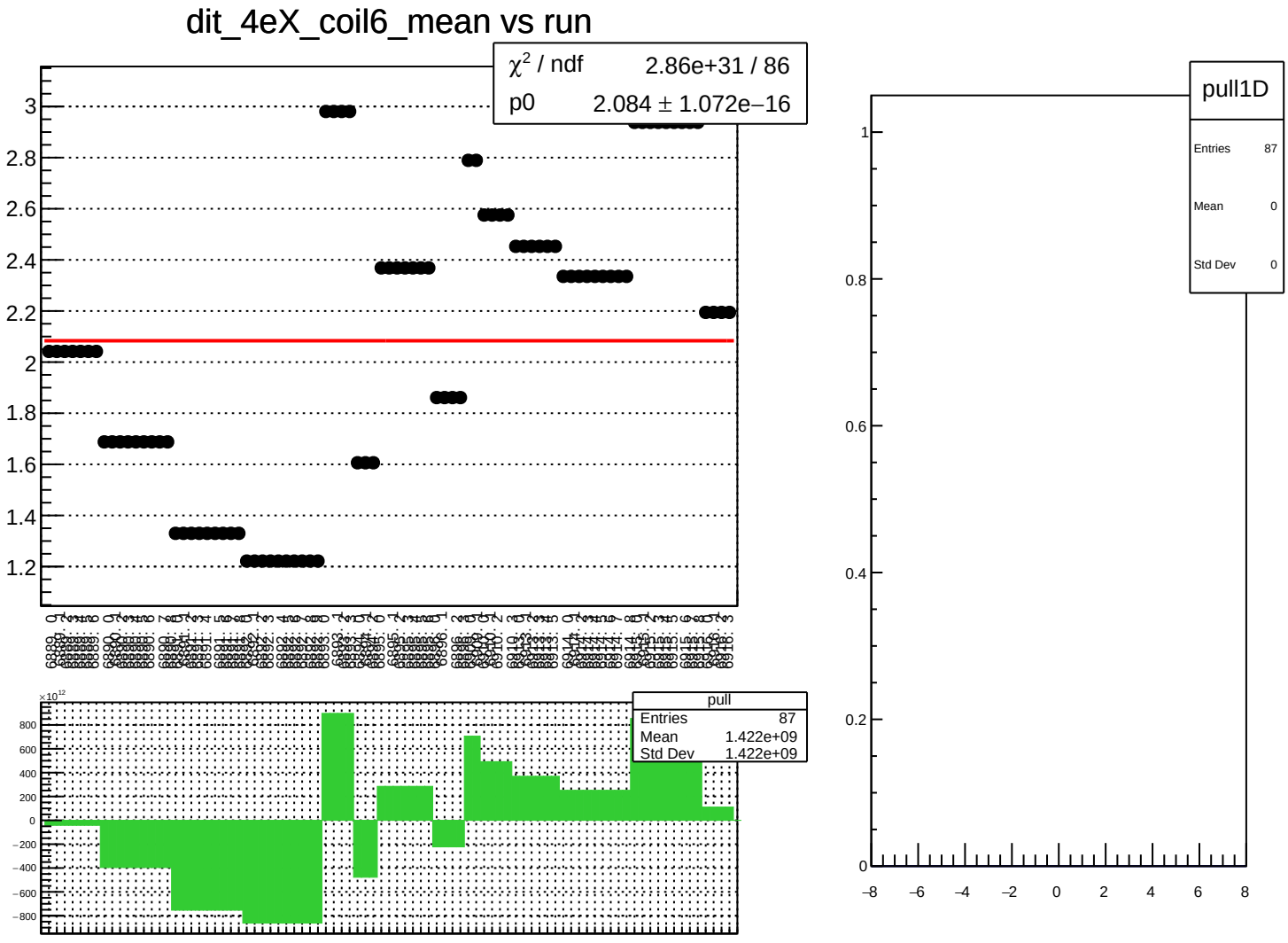

dit_4aX_coil6_mean vs run
χ^2 / ndf 3.578e+31 / 86
p0 2.971± 1.072e−16
pull
Entries 87
Mean 2.521e+10
Std Dev 2.521e+10
pull1D
Entries 87
Mean 0
Std Dev 0


dit_4aX_coil6_err_mean vs run
χ² / ndf 3.421e+30 / 86
p0 1.146 ± 1.072e−16
pull
Entries 87
Mean 7.321e+08
Std Dev 7.321e+08
pull1D
Entries 87
Mean 0
Std Dev 0

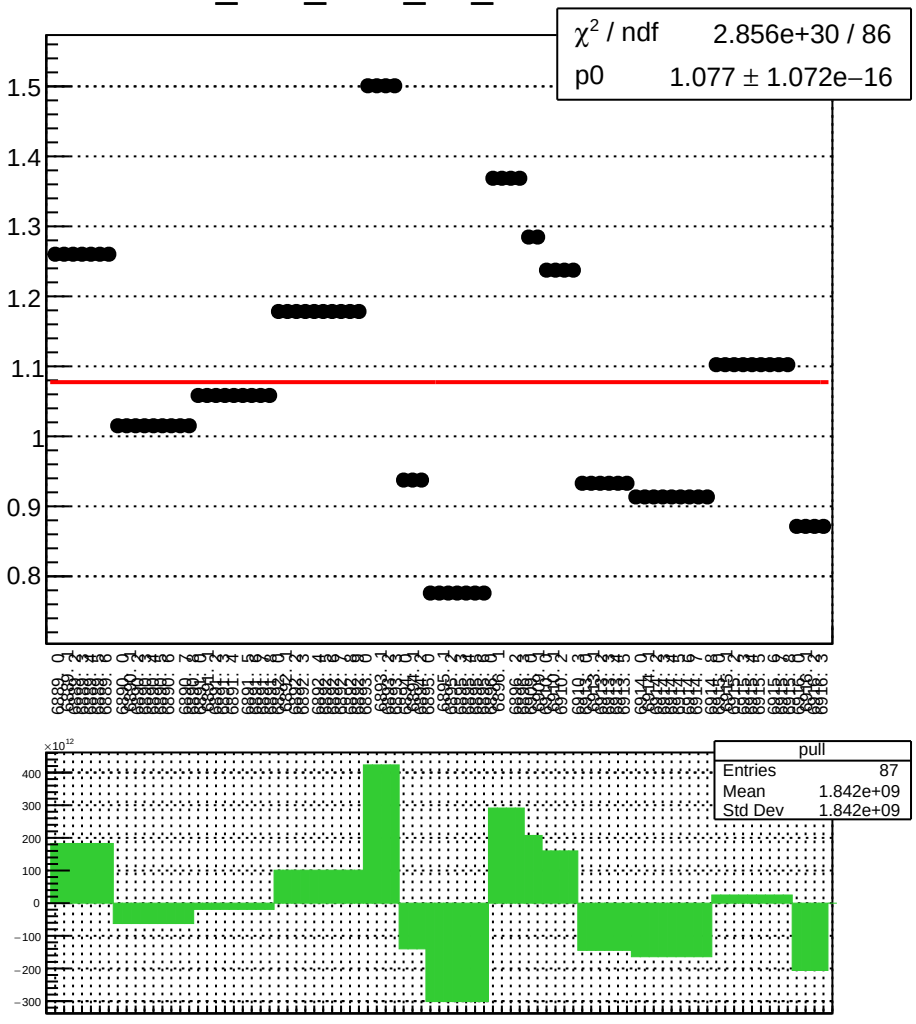
dit_4aX_coil6_Ndata_mean vs run

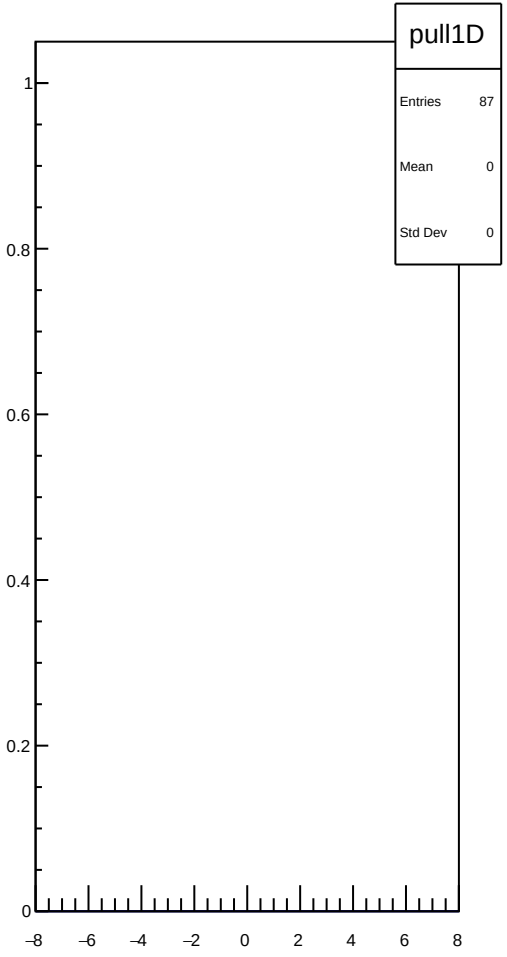




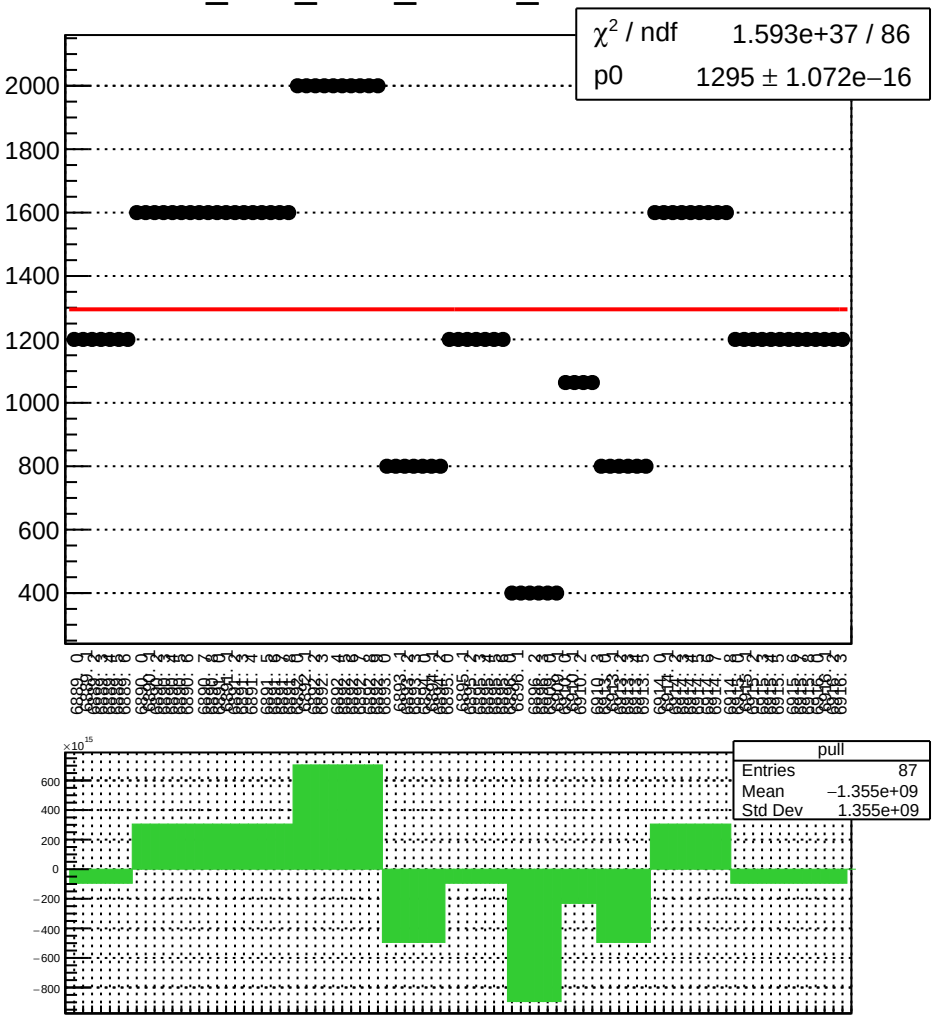

dit_4eX_coil6_mean vs run
χ^2 / ndf 2.86e+31 / 86
p0 2.084 ± 1.072e−16
pull
Entries 87
Mean 1.422e+09
Std Dev 1.422e+09
pull1D
Entries 87
Mean 0
Std Dev 0

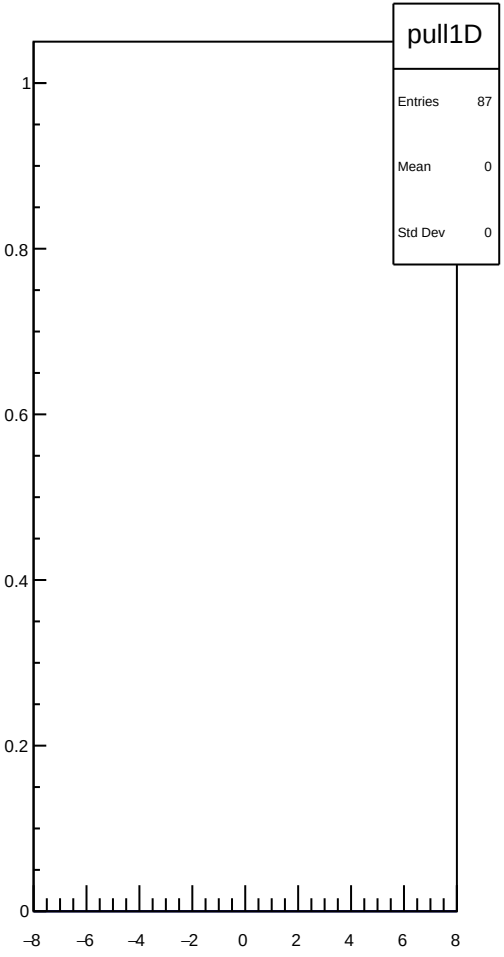
dit_4eX_coil6_err_mean vs run

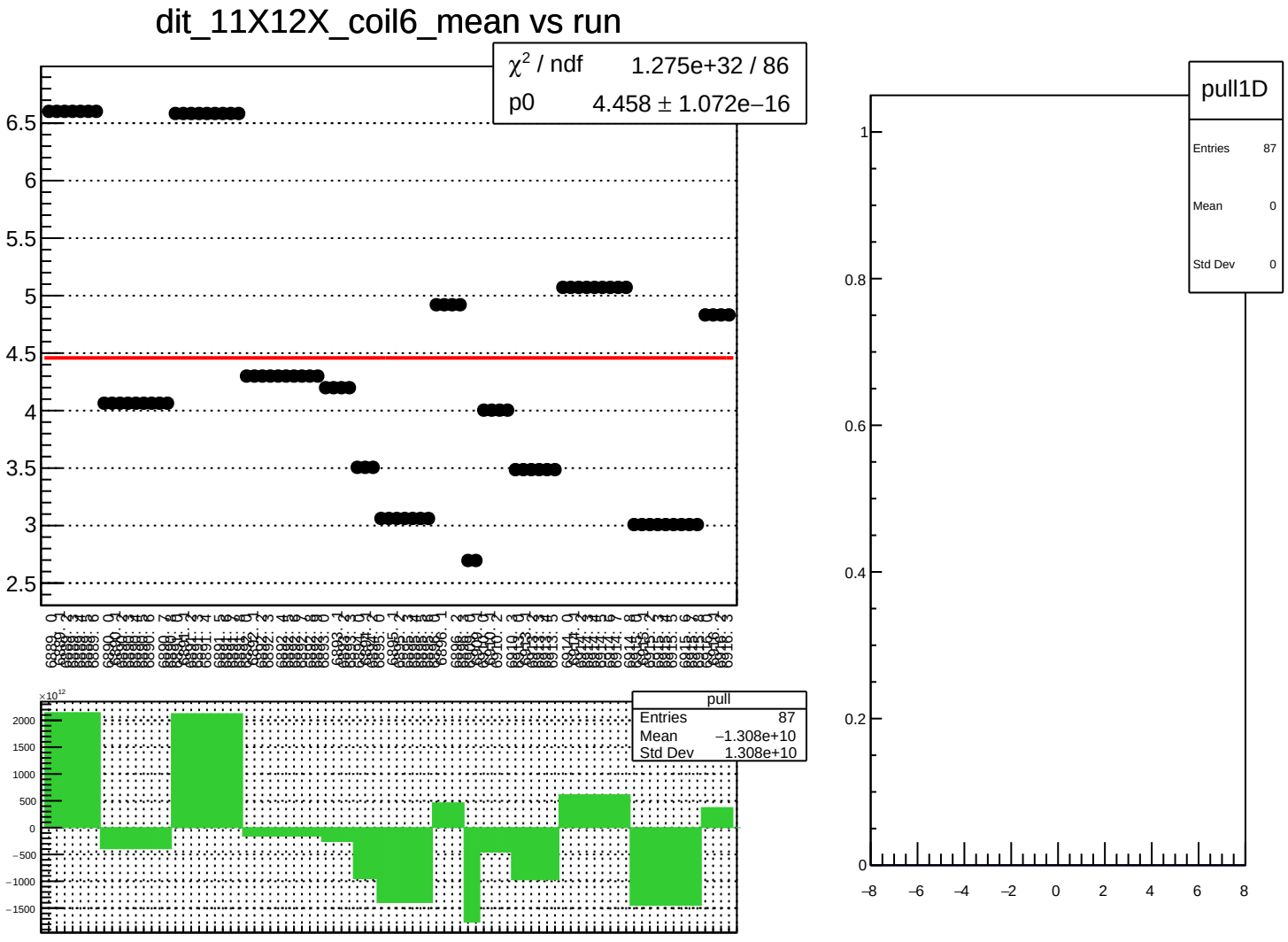




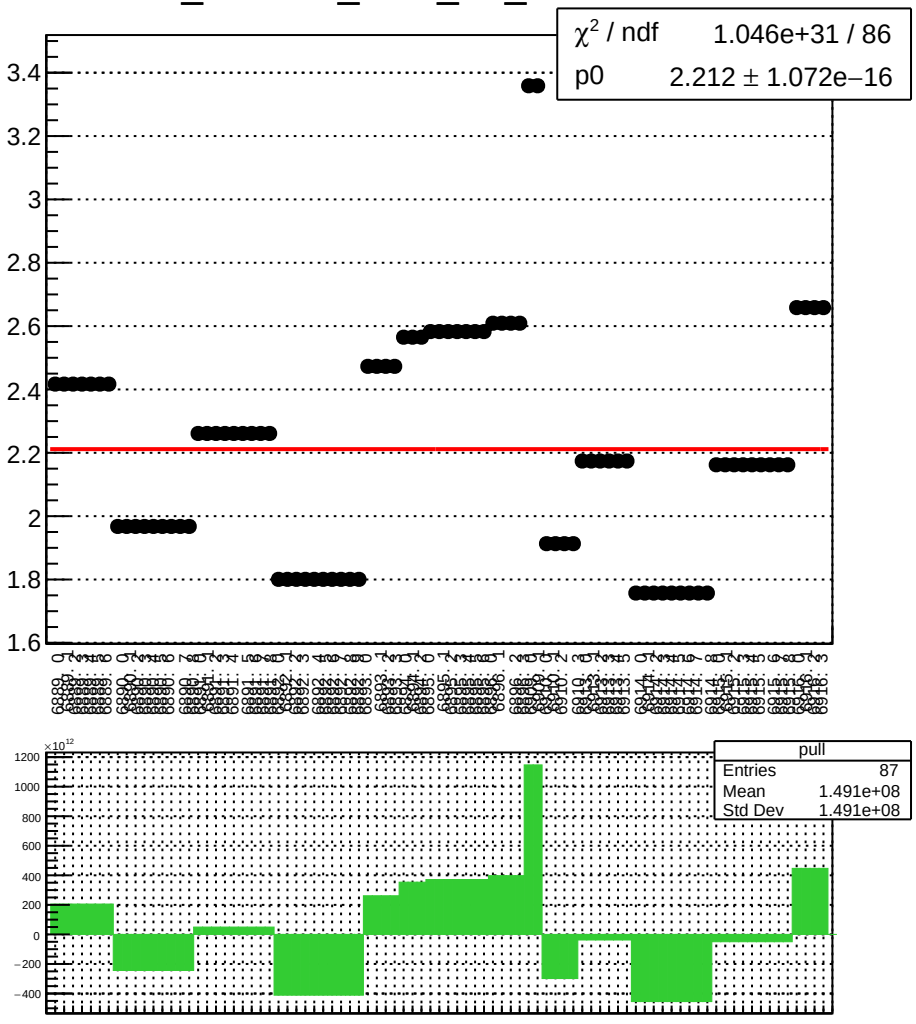
dit_4eX_coil6_Ndata_mean vs run

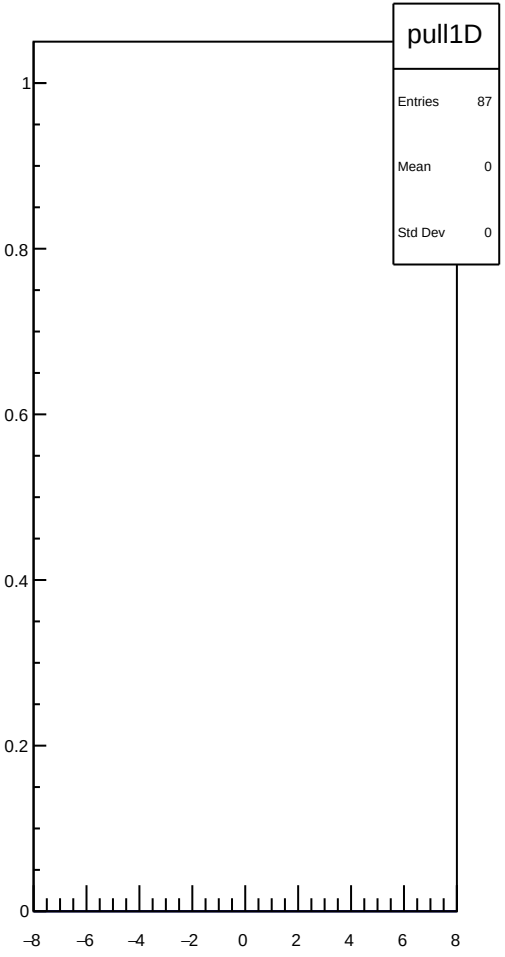




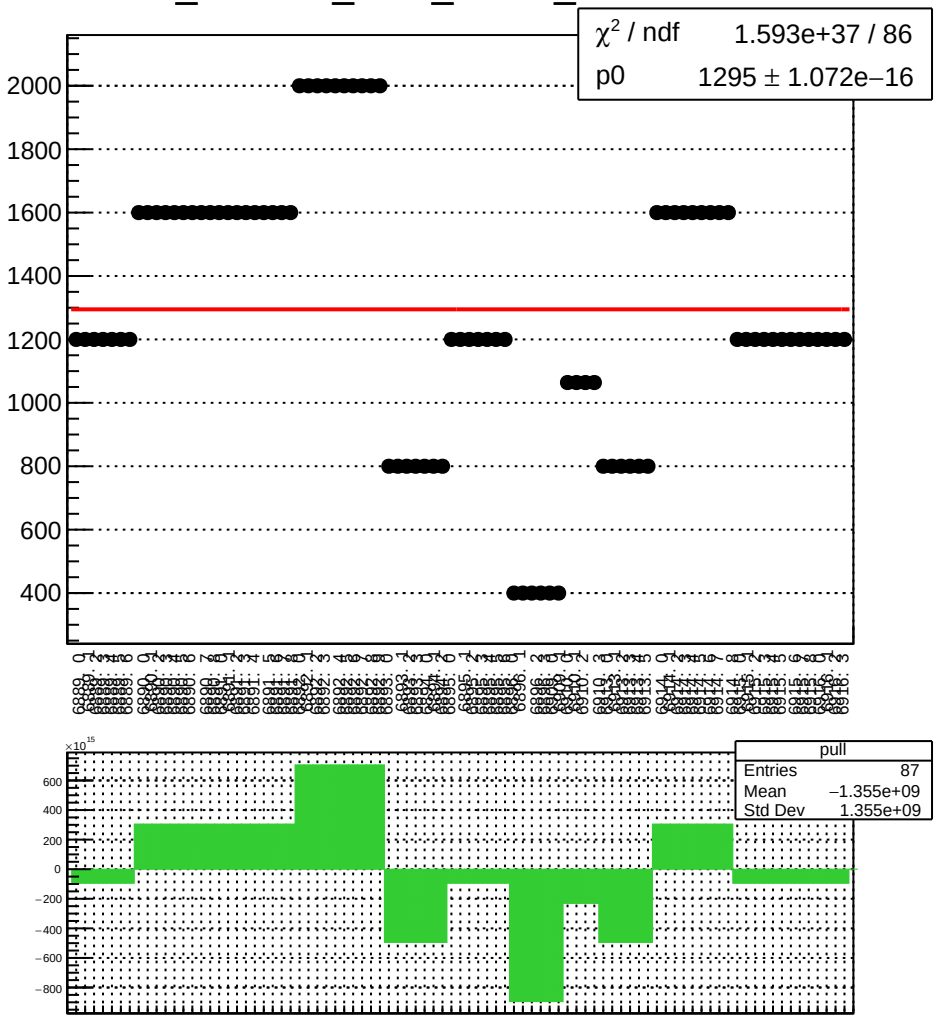

dit_11X12X_coil6_mean vs run
χ² / ndf 1.275e+32 / 86
p0 4.458 ± 1.072e−16
pull
Entries 87
Mean −1.308e+10
Std Dev 1.308e+10
pull1D
Entries 87
Mean 0
Std Dev 0

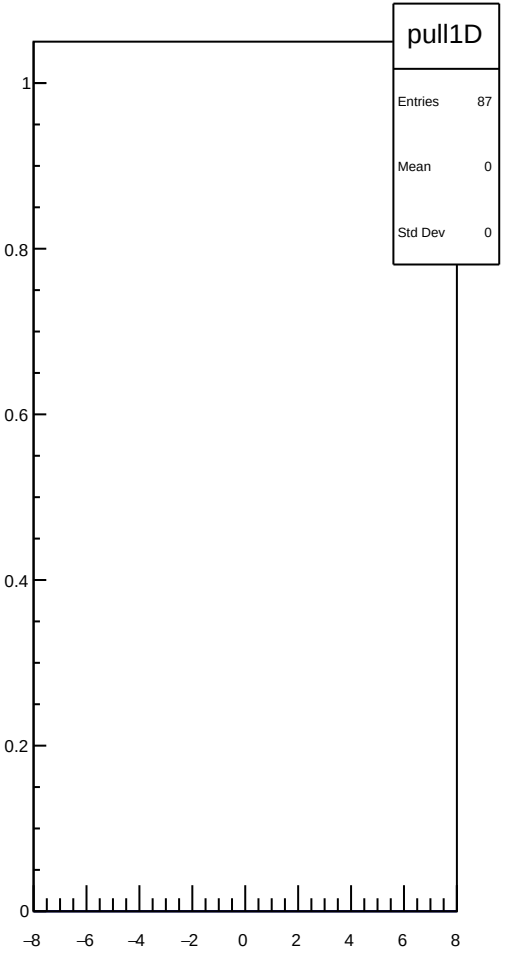
dit_11X12X_coil6_err_mean vs run

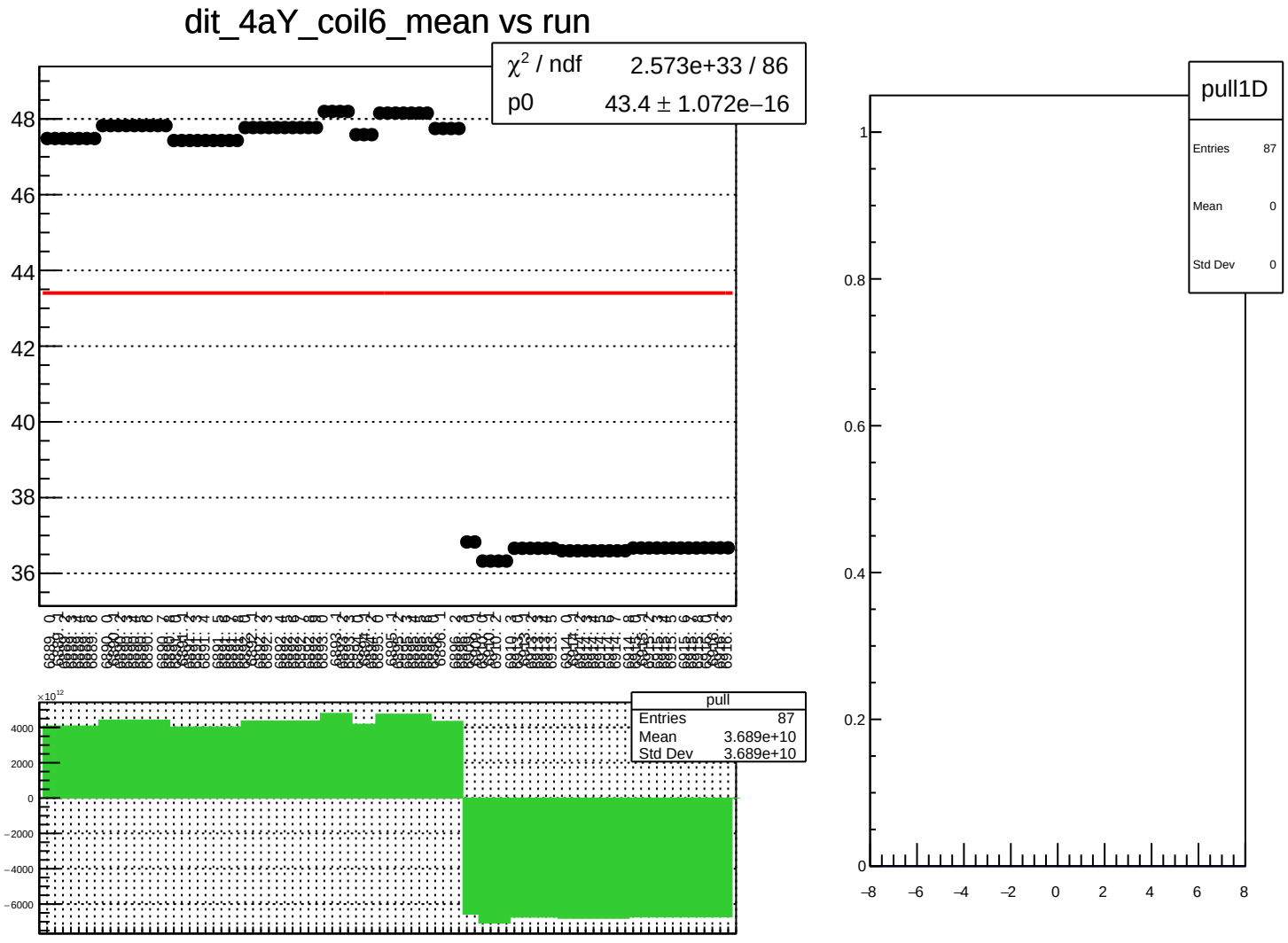




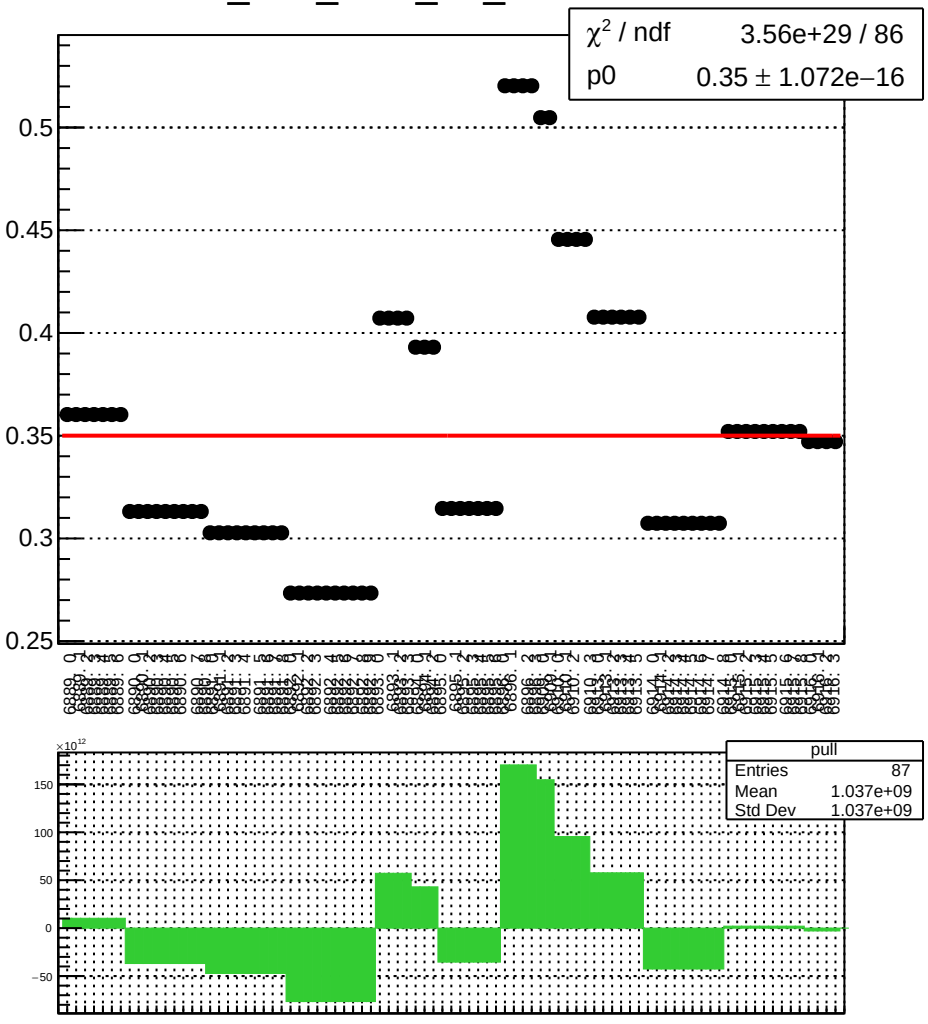
dit_11X12X_coil6_Ndata_mean vs run

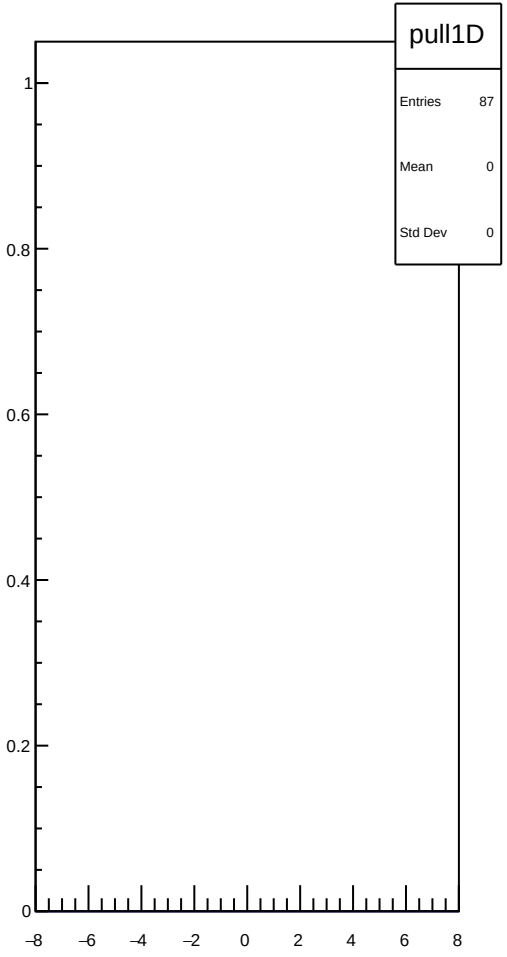


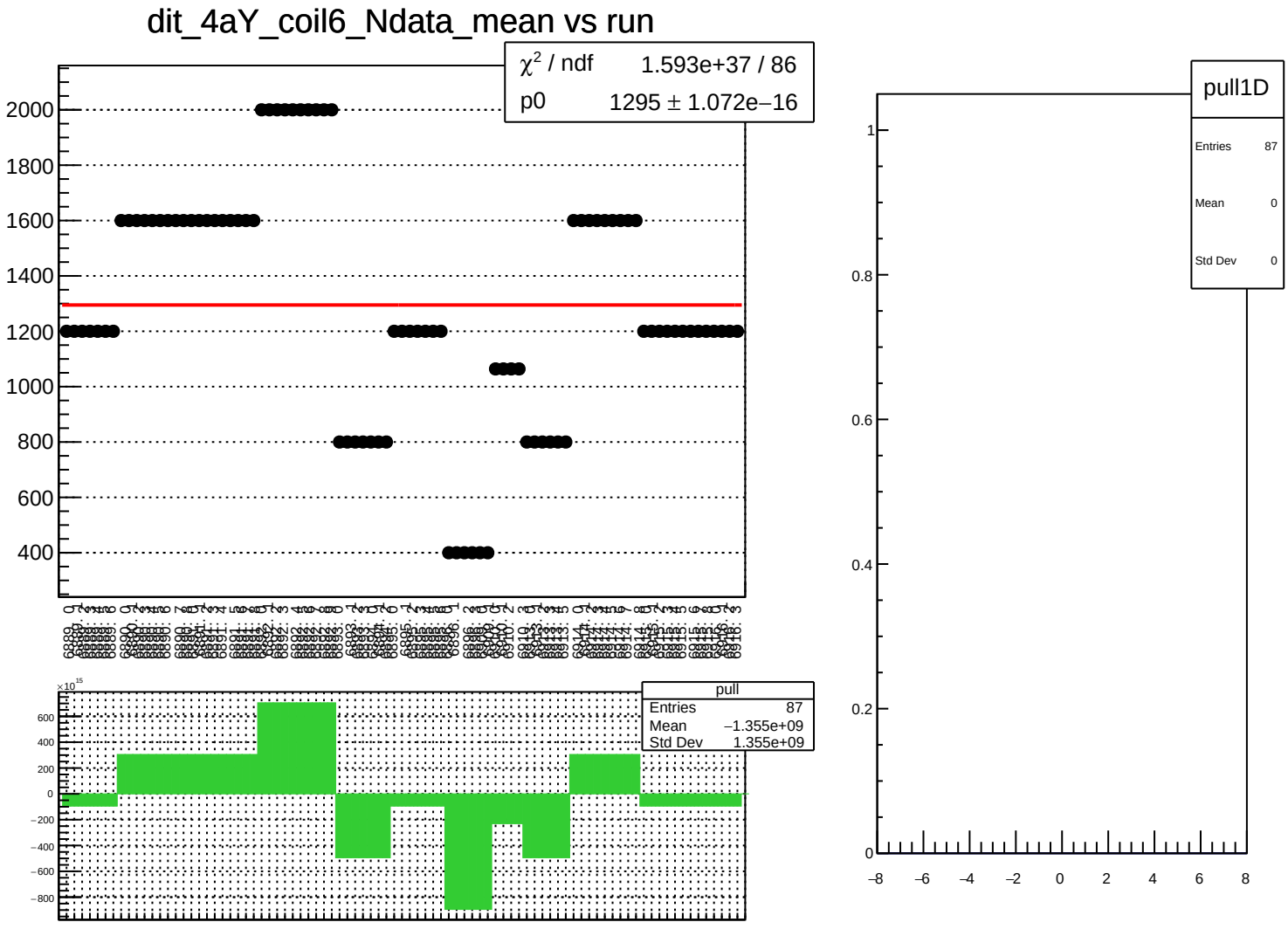


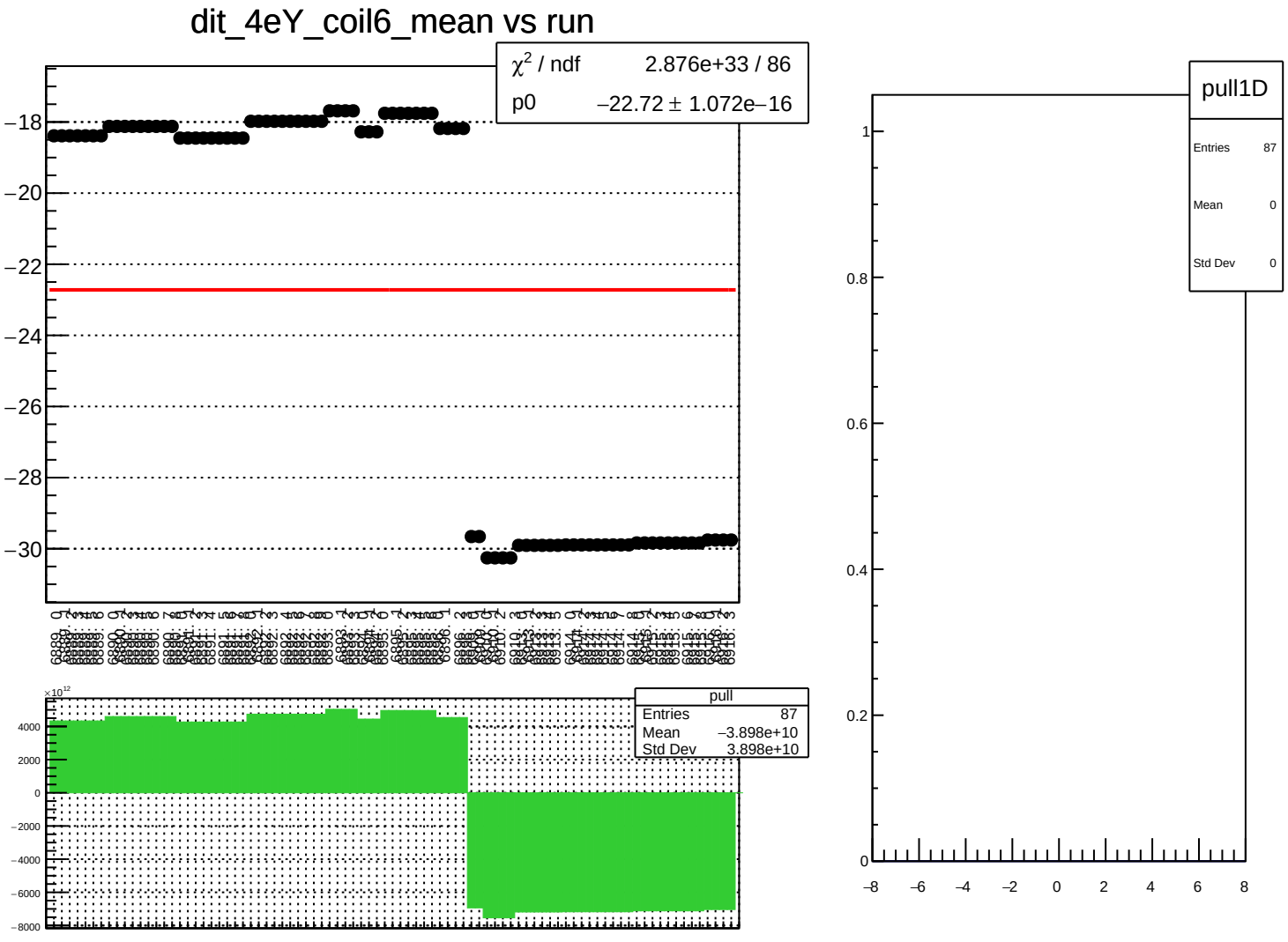

dit_4aY_coil6_mean vs run
χ^2 / ndf 2.573e+33 / 86
p0 43.4 ± 1.072e−16
48
46
44
42
40
38
36
pull
Entries 87
Mean 3.689e+10
Std Dev 3.689e+10
$\times 10^{12}$
4000
2000
0
−2000
−4000
−6000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

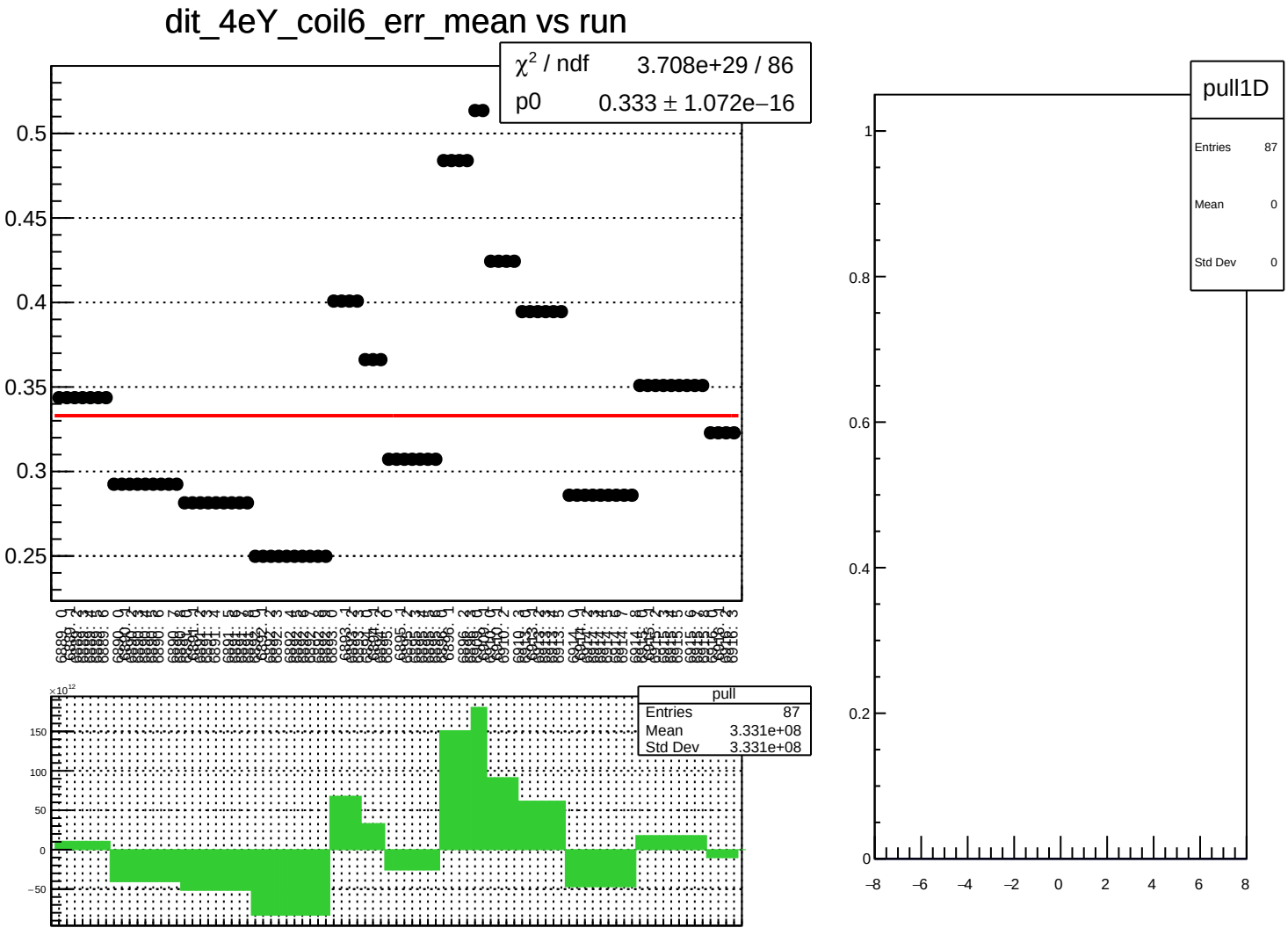
dit_4aY_coil6_err_mean vs run

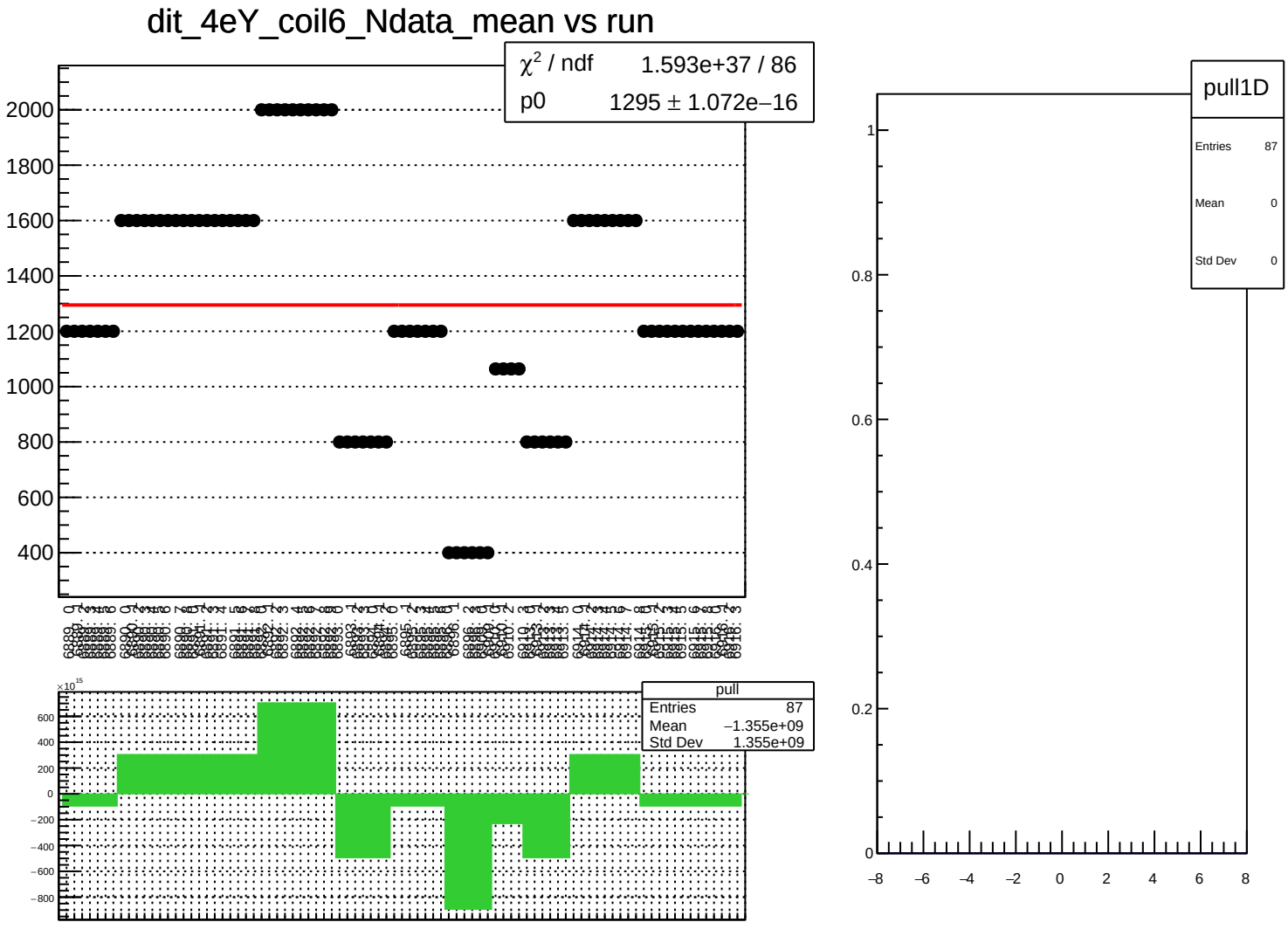


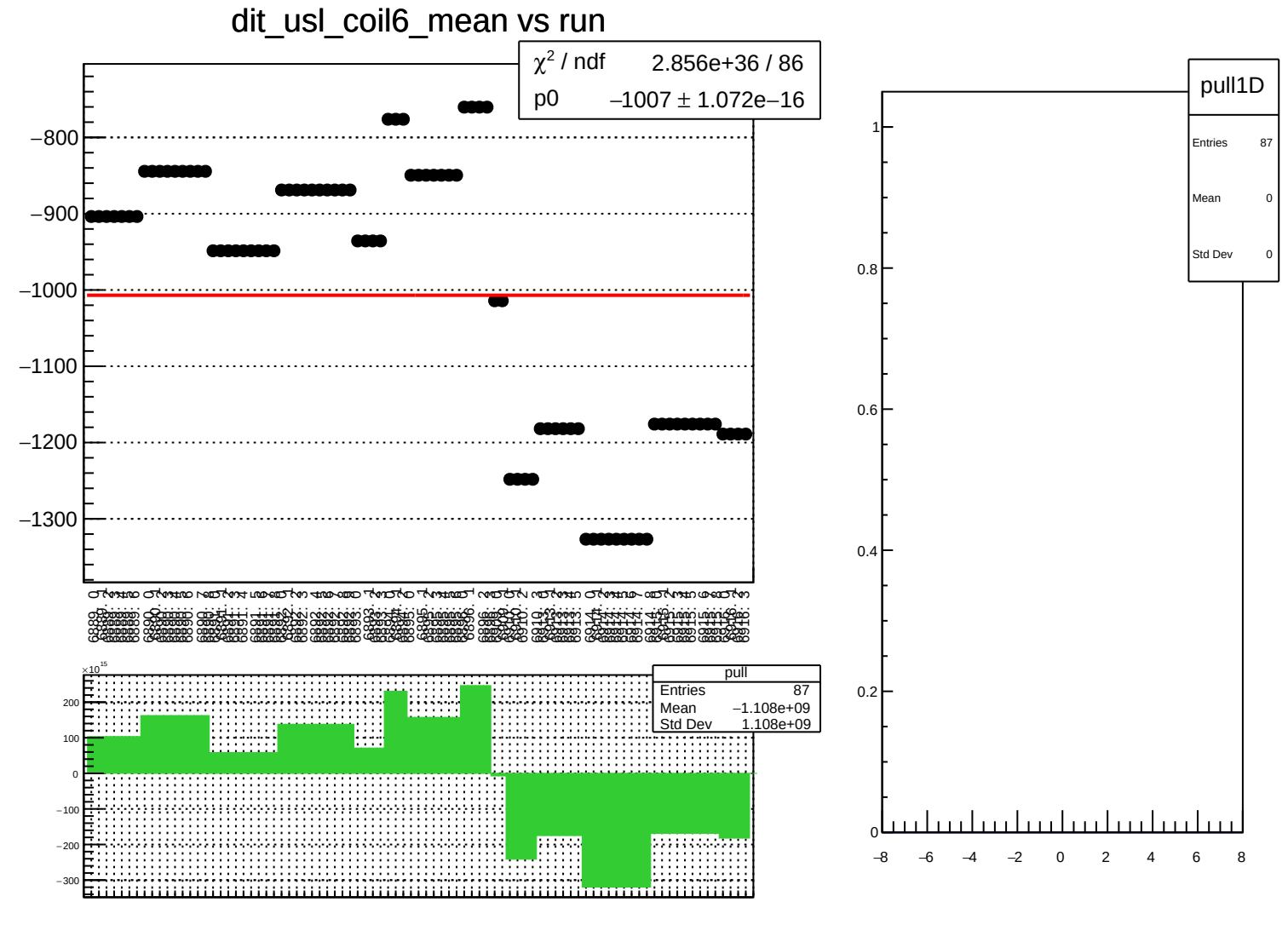


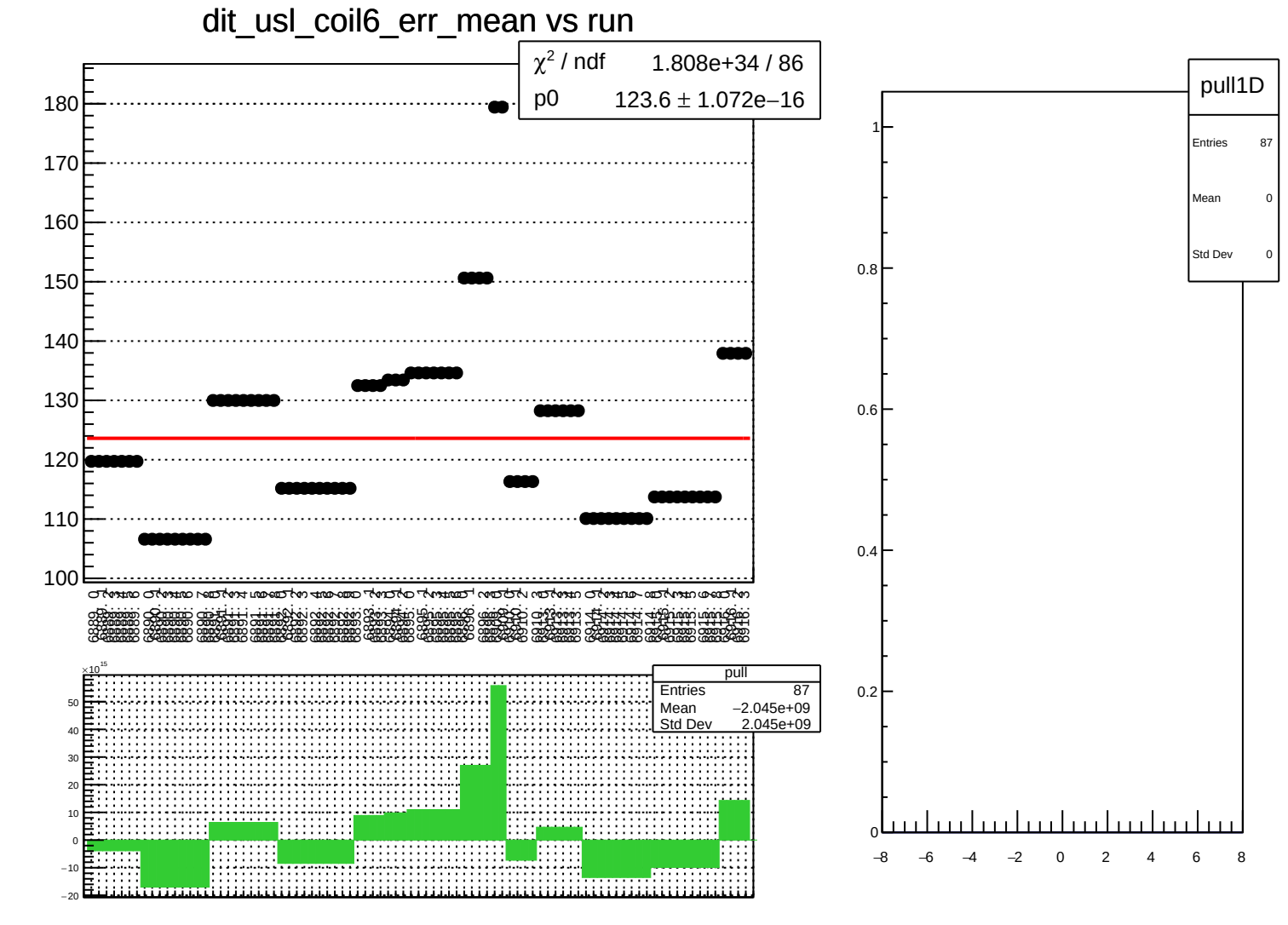

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

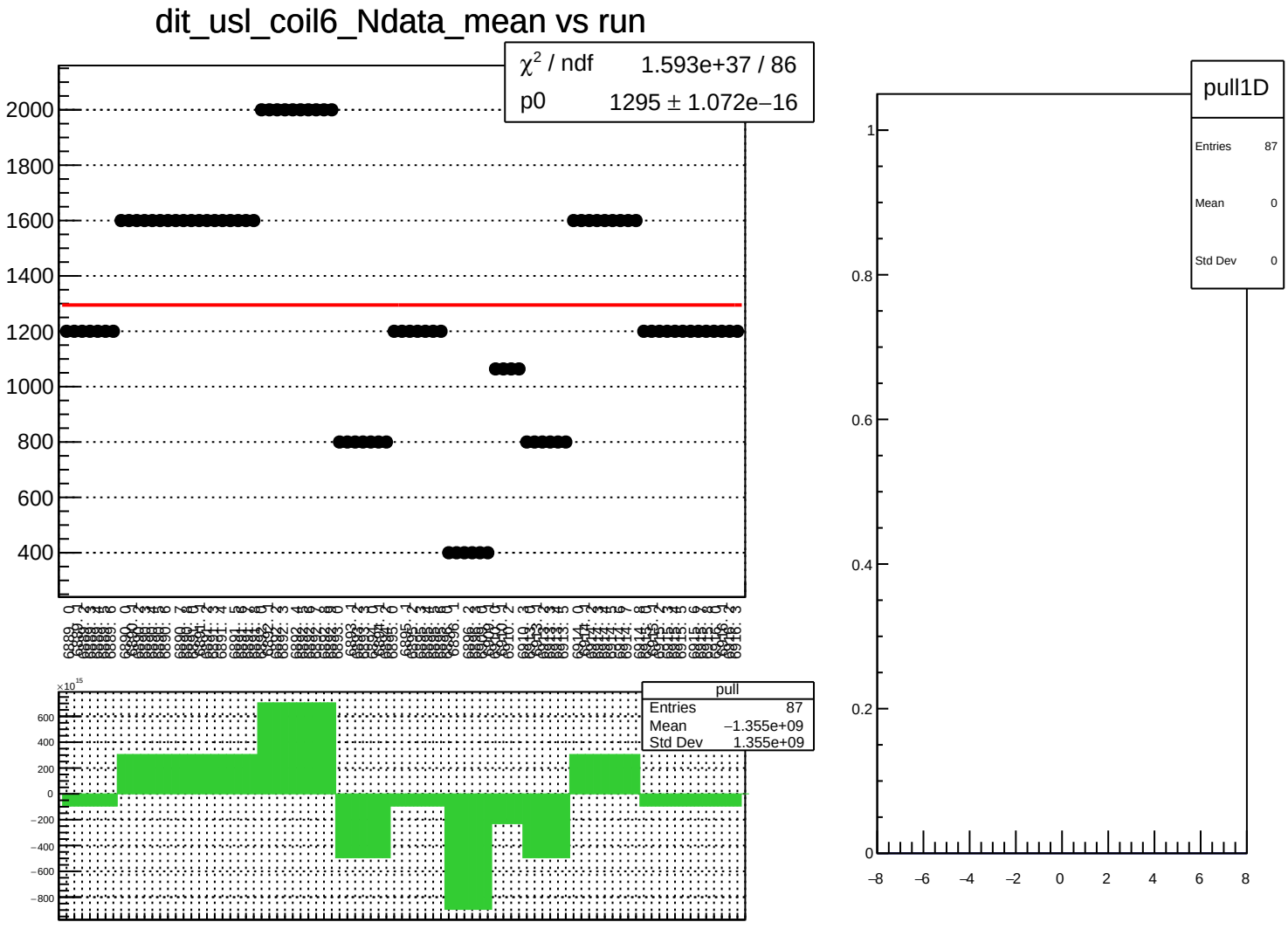

dit_4eY_coil6_mean vs run
χ^2 / ndf 2.876e+33 / 86
p0 −22.72 ± 1.072e−16
−18
−20
−22
−24
−26
−28
−30
pull
Entries 87
Mean −3.898e+10
Std Dev 3.898e+10
×10^12
4000
2000
0
−2000
−4000
−6000
−8000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

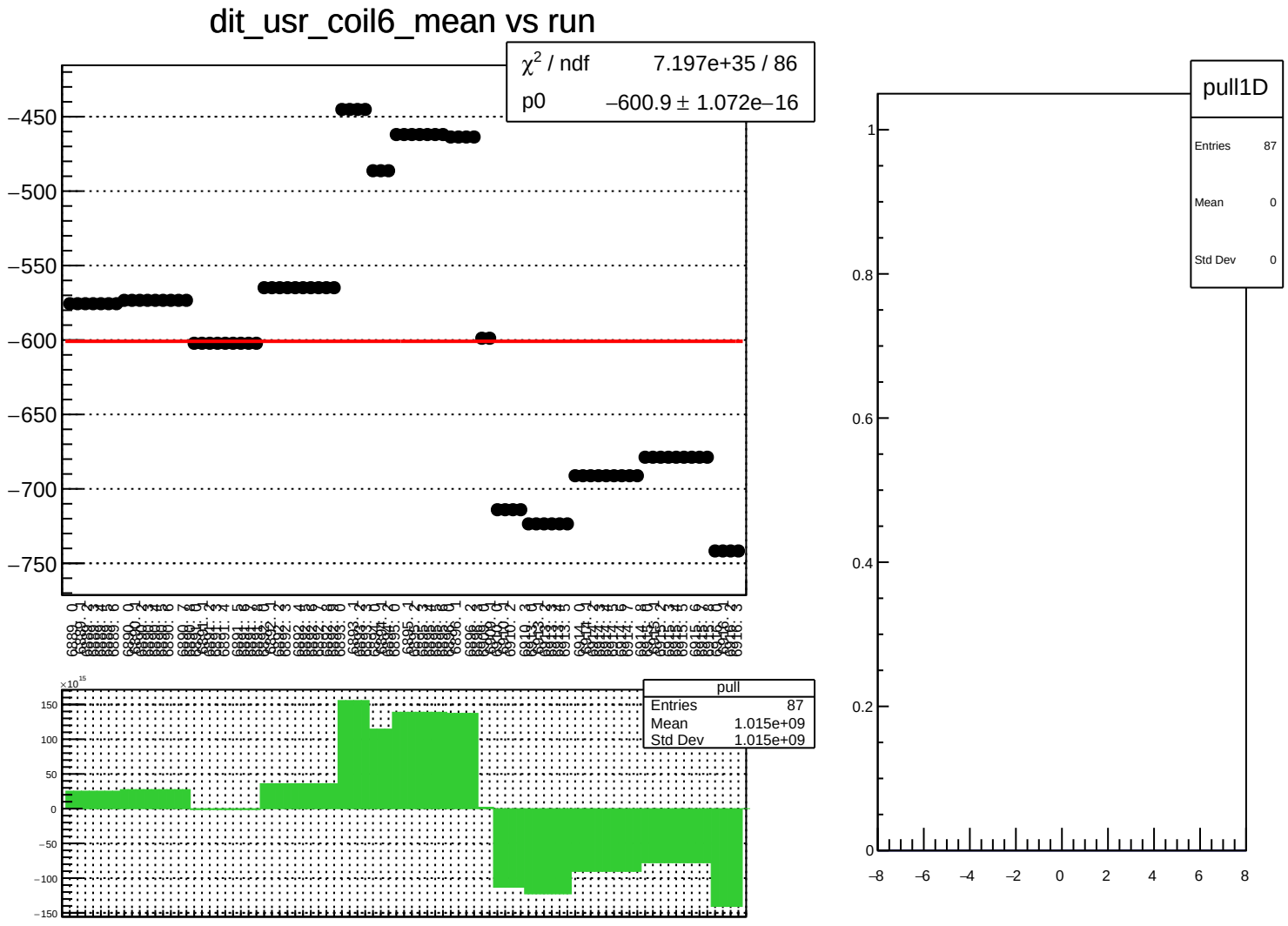

dit_4eY_coil6_err_mean vs run
χ^2 / ndf 3.708e+29 / 86
p0 0.333 ± 1.072e−16
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 87
Mean 3.331e+08
Std Dev 3.331e+08
×10^12
150
100
50
0
−50
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

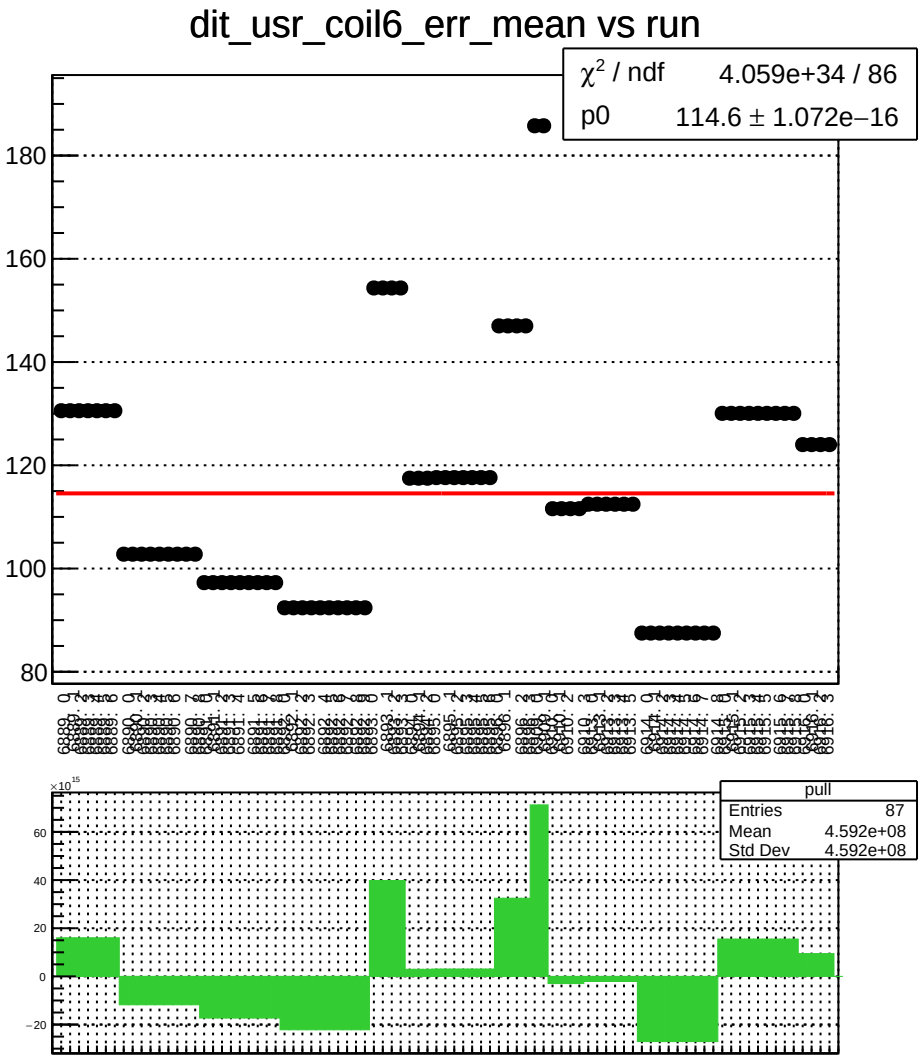

dit_4eY_coil6_Ndata_mean vs run
χ^2 / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

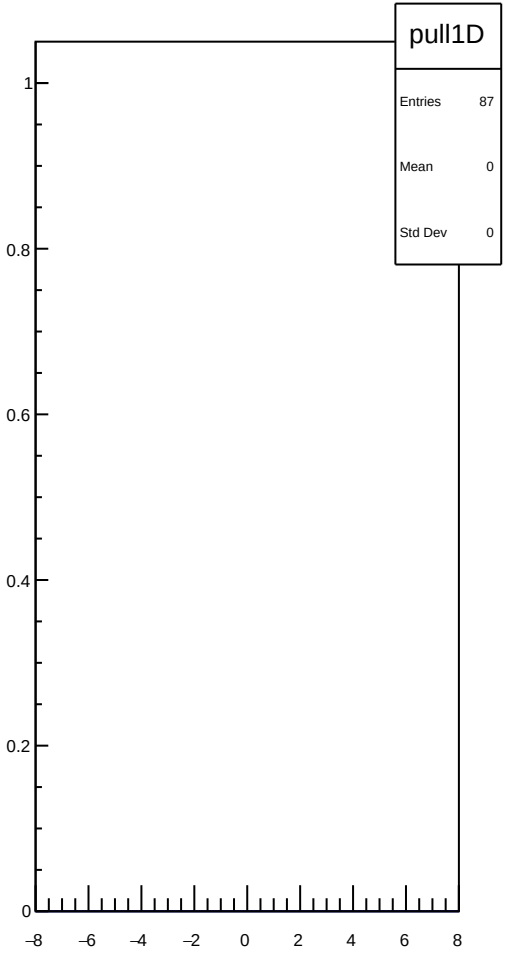

dit_usl_coil6_mean vs run
χ² / ndf 2.856e+36 / 86
p0 −1007 ± 1.072e−16
−800
−900
−1000
−1100
−1200
−1300
pull
Entries 87
Mean −1.108e+09
Std Dev 1.108e+09
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

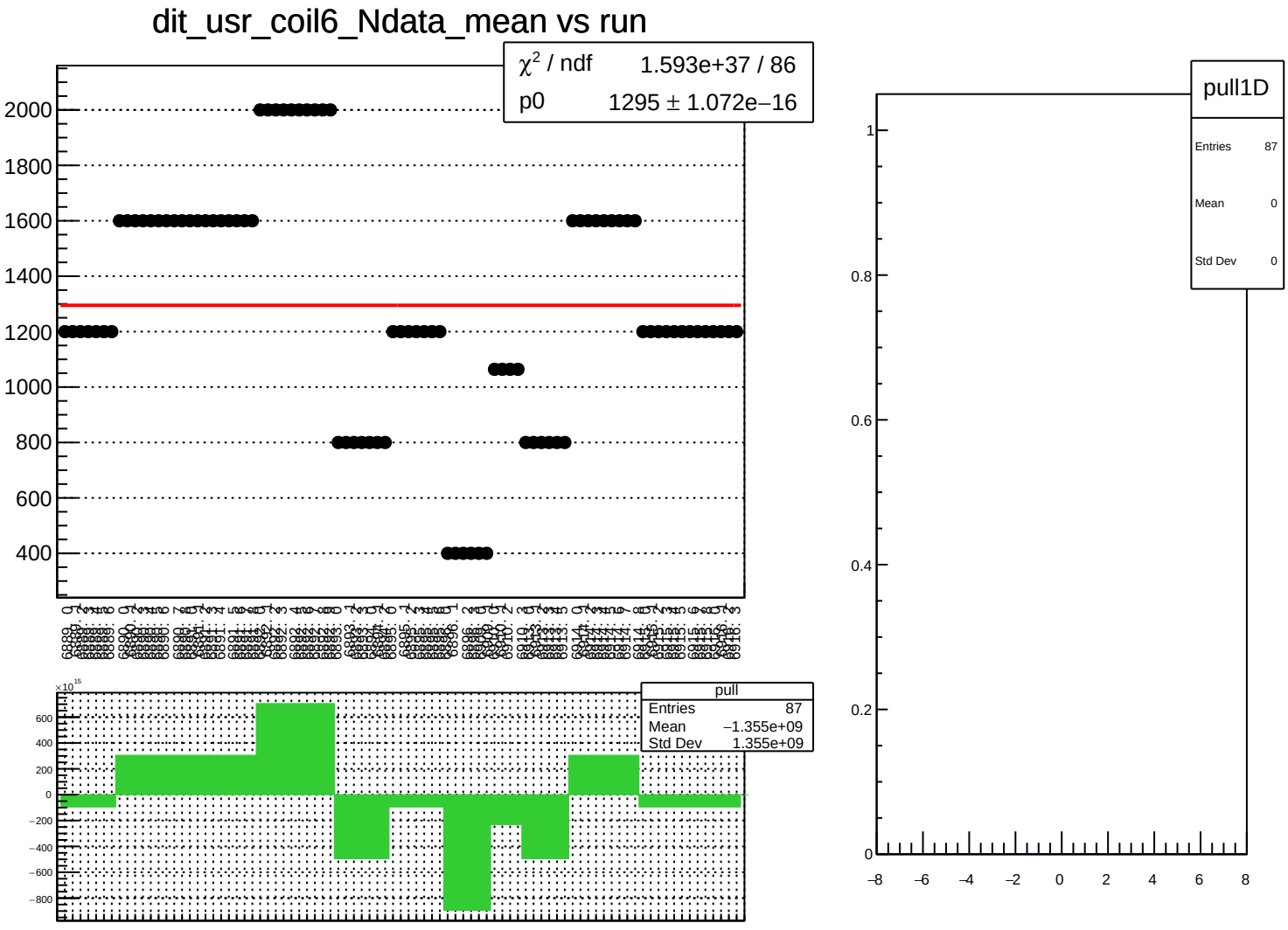

dit_usl_coil6_err_mean vs run
χ² / ndf 1.808e+34 / 86
p0 123.6 ± 1.072e−16
pull
Entries 87
Mean −2.045e+09
Std Dev 2.045e+09
pull1D
Entries 87
Mean 0
Std Dev 0

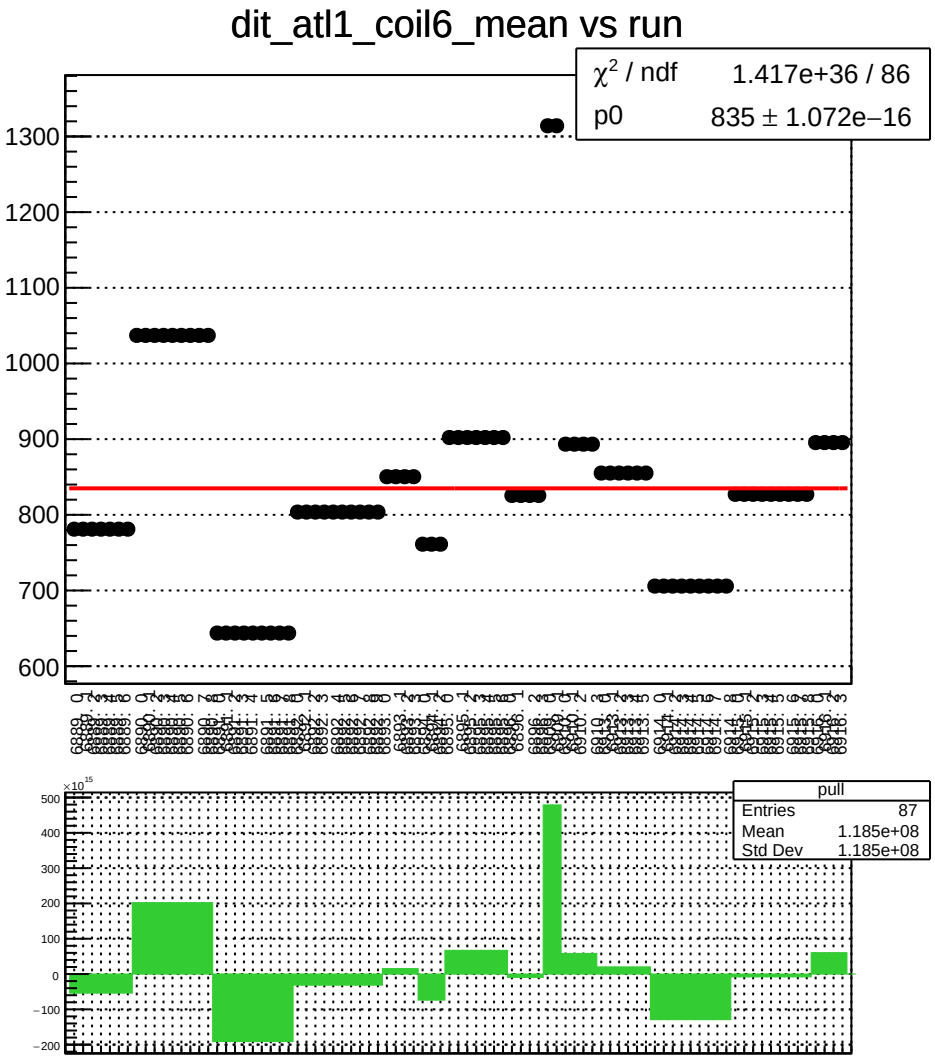

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

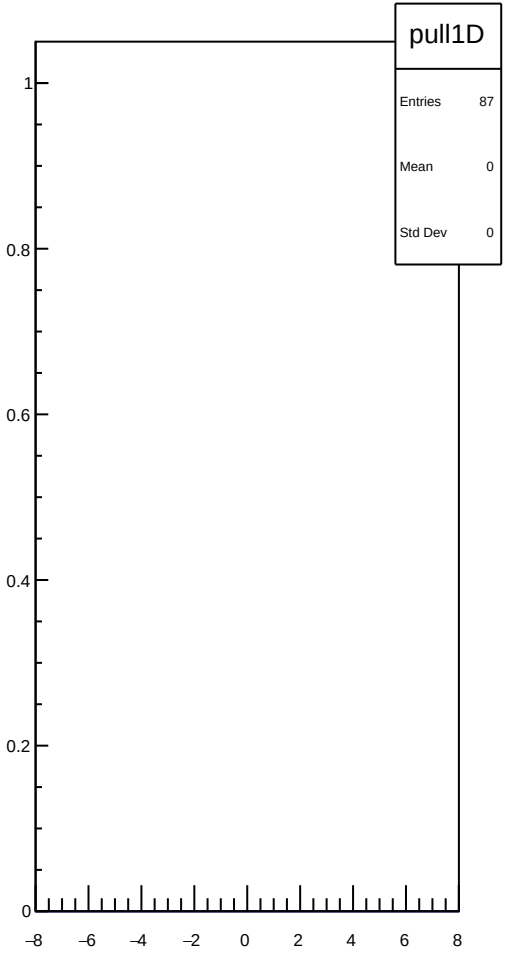

dit_usr_coil6_mean vs run
χ^2 / ndf 7.197e+35 / 86
p0 −600.9 ± 1.072e−16
−450
−500
−550
−600
−650
−700
−750
pull
Entries 87
Mean 1.015e+09
Std Dev 1.015e+09
×10^15
150
100
50
0
−50
−100
−150
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

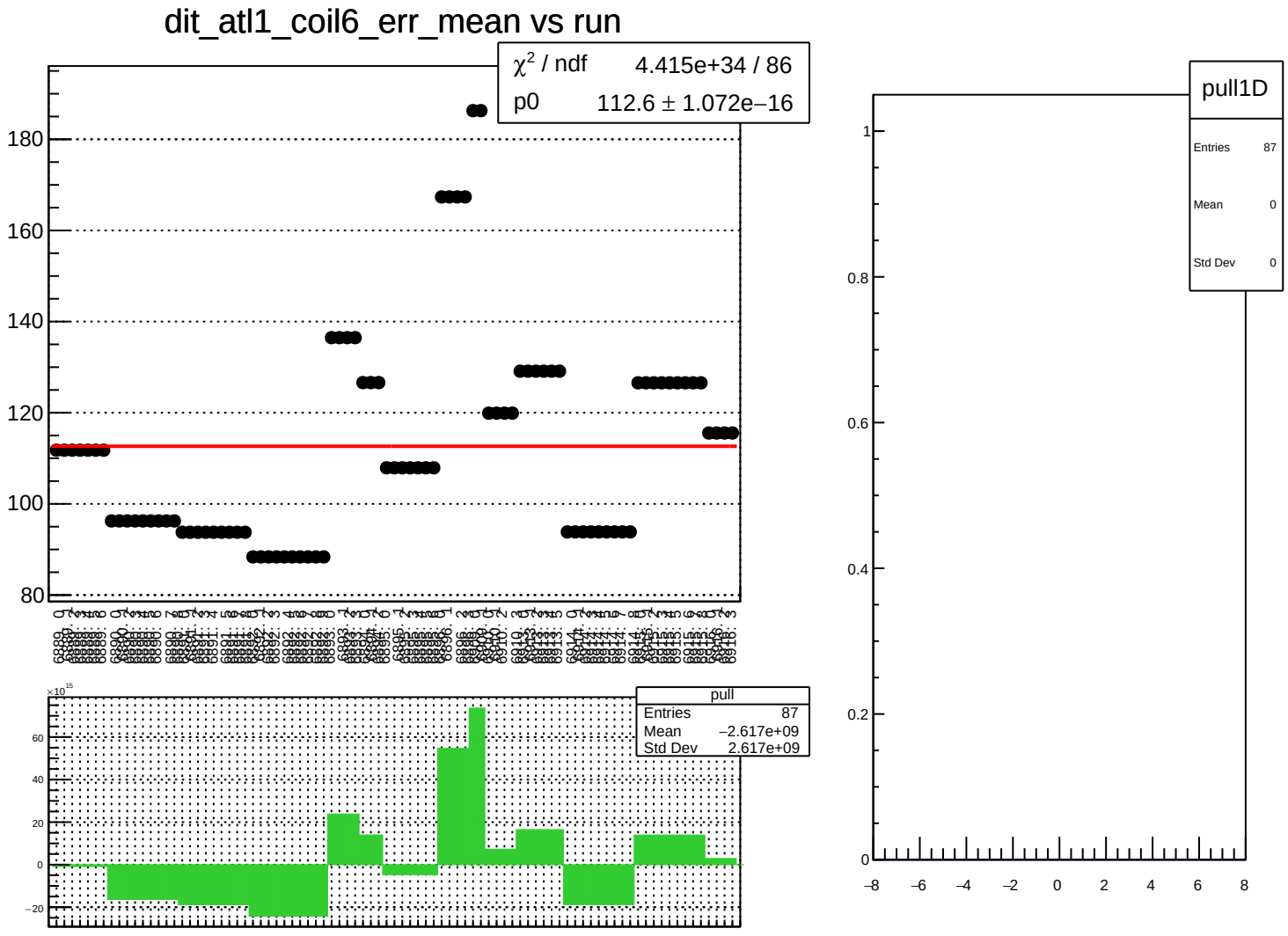

dit_usr_coil6_err_mean vs run
χ² / ndf 4.059e+34 / 86
p0 114.6 ± 1.072e−16
180
160
140
120
100
80
pull
Entries 87
Mean 4.592e+08
Std Dev 4.592e+08
×10¹⁵
60
40
20
0
−20


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

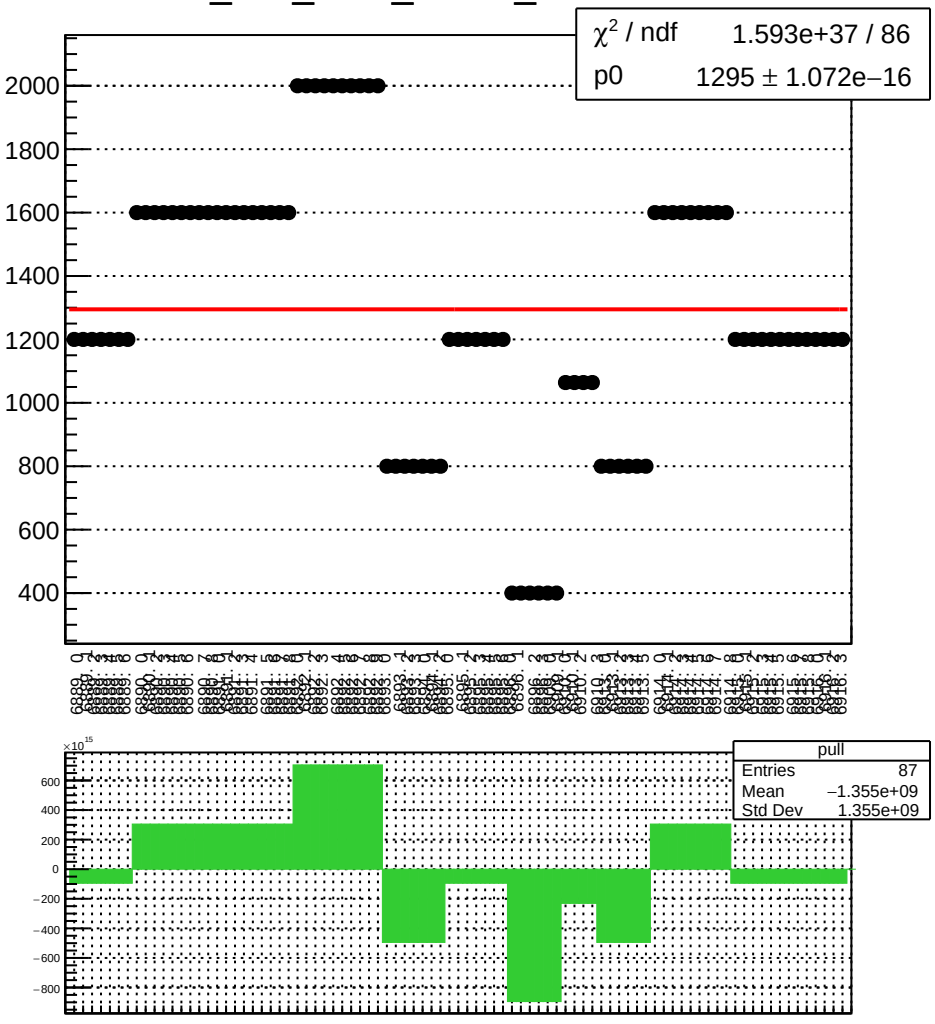

dit_usr_coil6_Ndata_mean vs run
χ^2 / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

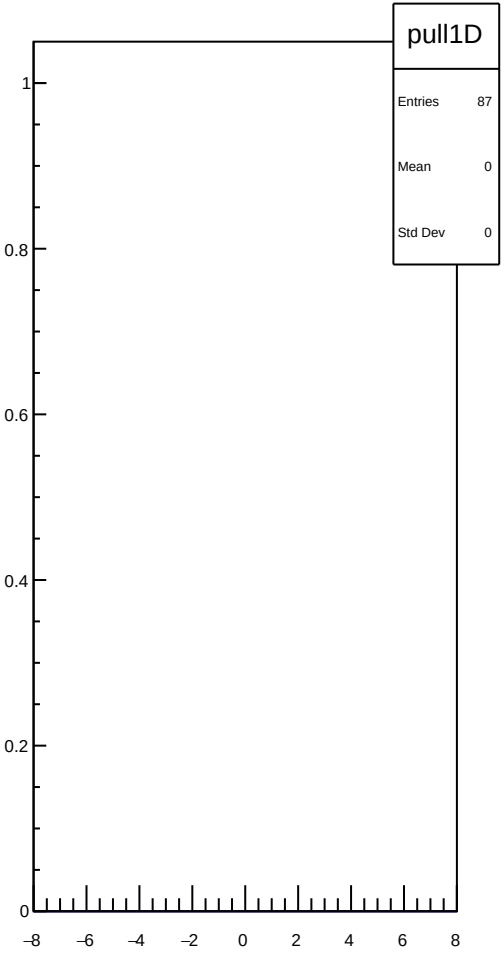

dit_atl1_coil6_mean vs run
χ^2 / ndf 1.417e+36 / 86
p0 835 ± 1.072e−16
1300
1200
1100
1000
900
800
700
600
pull
Entries 87
Mean 1.185e+08
Std Dev 1.185e+08
$\times 10^{15}$
500
400
300
200
100
0
−100
−200

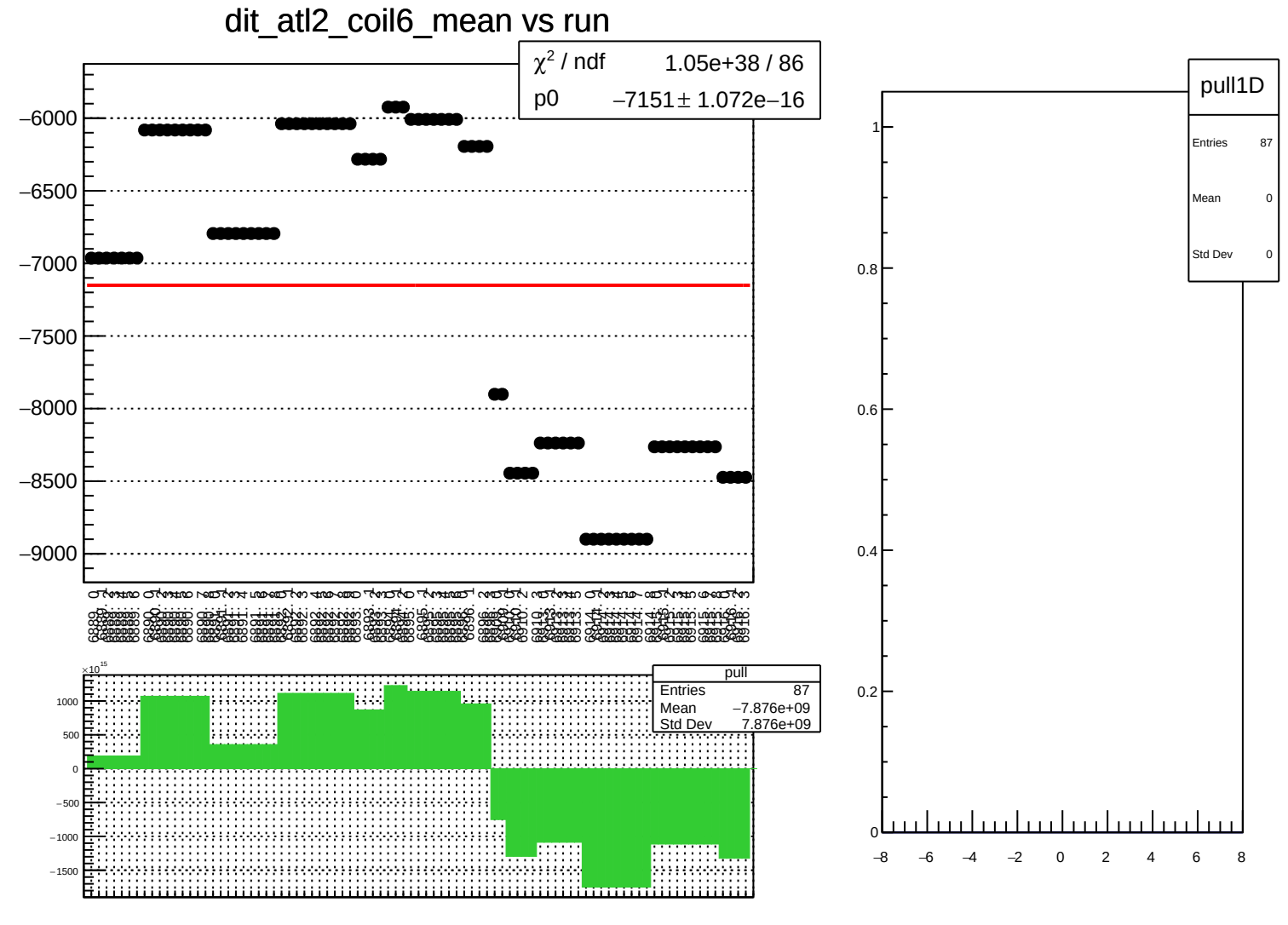

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

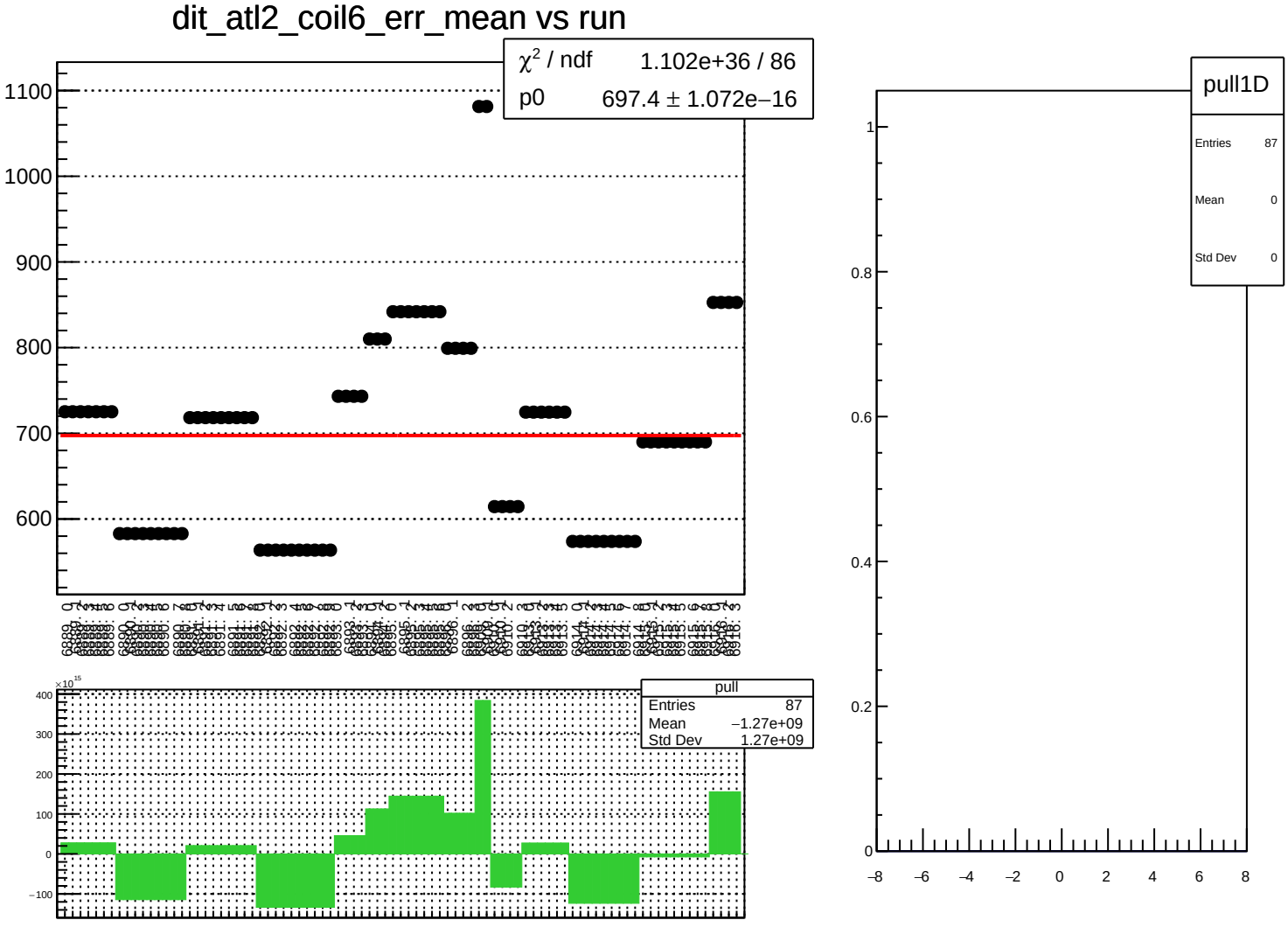

dit_atl1_coil6_err_mean vs run
χ² / ndf 4.415e+34 / 86
p0 112.6 ± 1.072e−16
180
160
140
120
100
80
pull
Entries 87
Mean −2.617e+09
Std Dev 2.617e+09
×10¹⁵
60
40
20
0
−20
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_Ndata_mean vs run

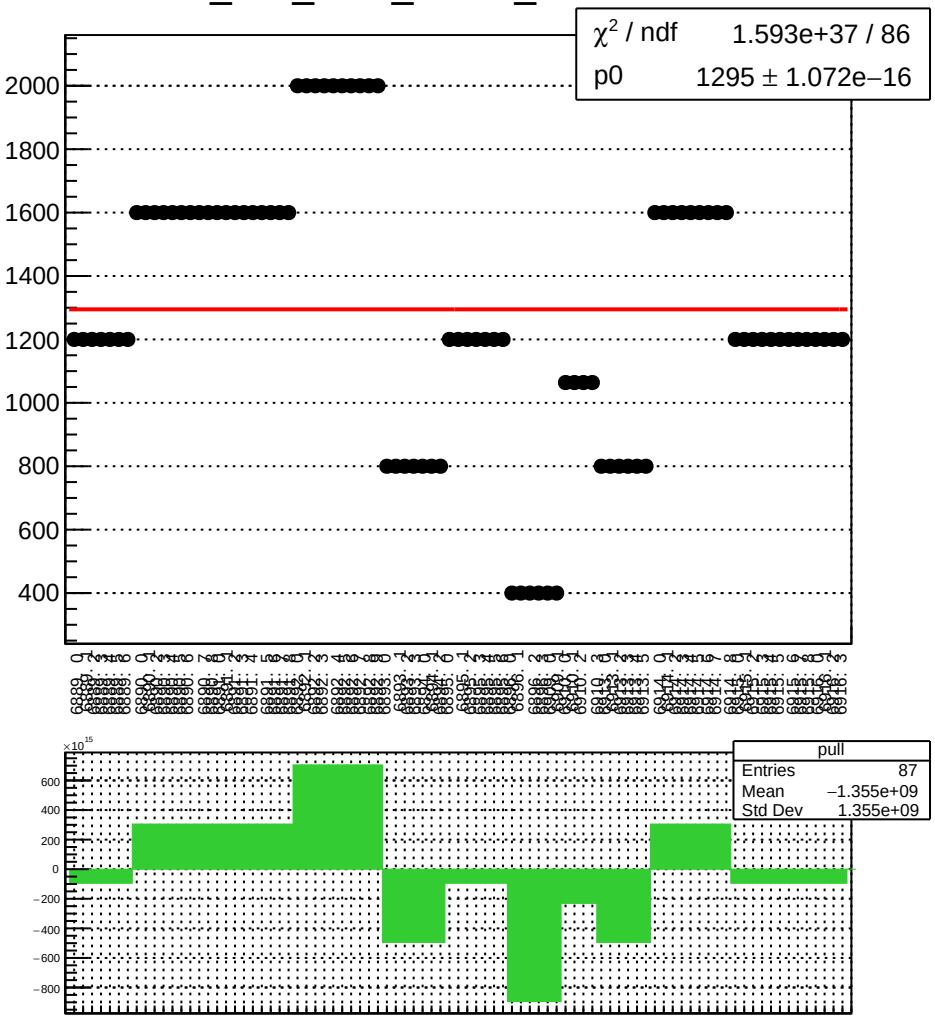


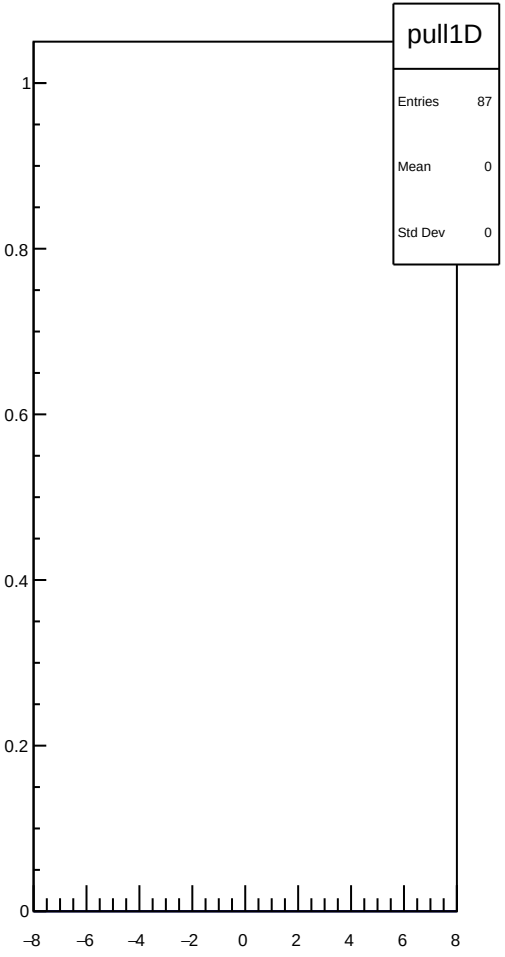


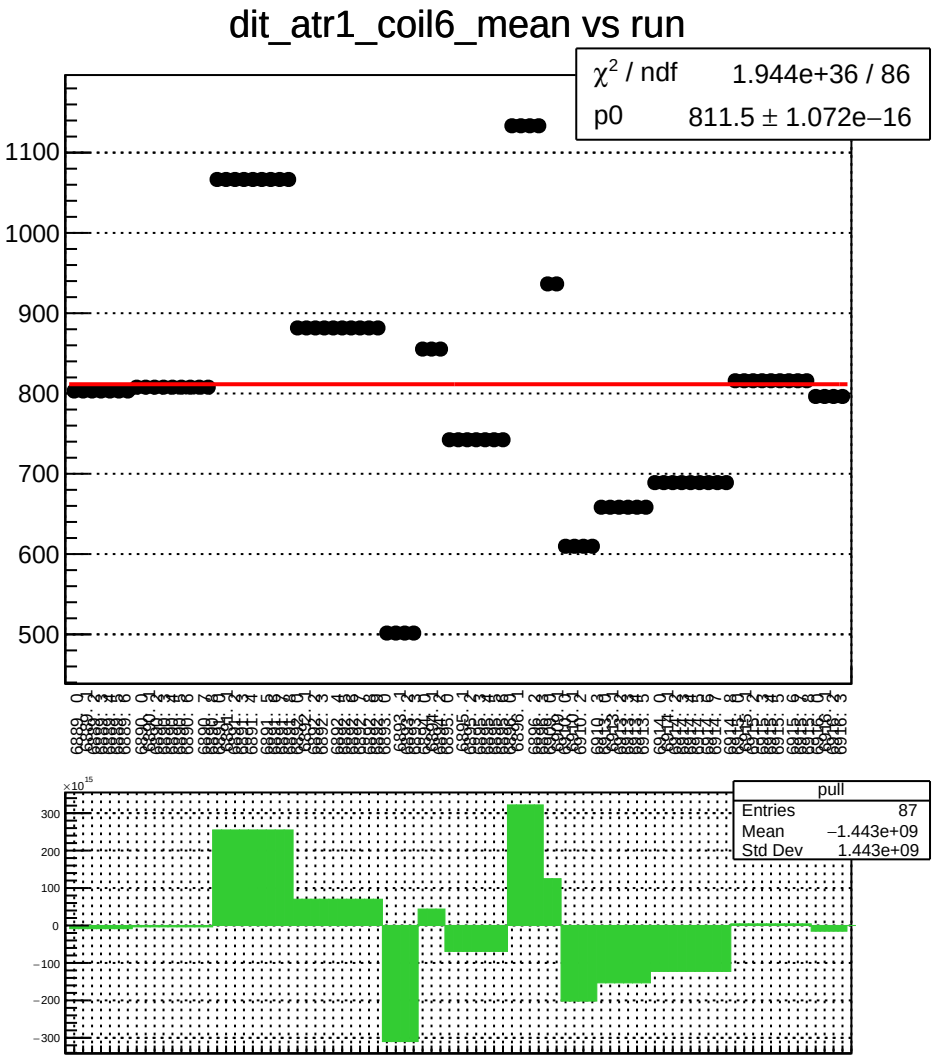

dit_atl2_coil6_mean vs run
χ² / ndf 1.05e+38 / 86
p0 −7151 ± 1.072e−16
−6000
−6500
−7000
−7500
−8000
−8500
−9000
pull
Entries 87
Mean −7.876e+09
Std Dev 7.876e+09
×10¹⁵
1000
500
0
−500
−1000
−1500
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

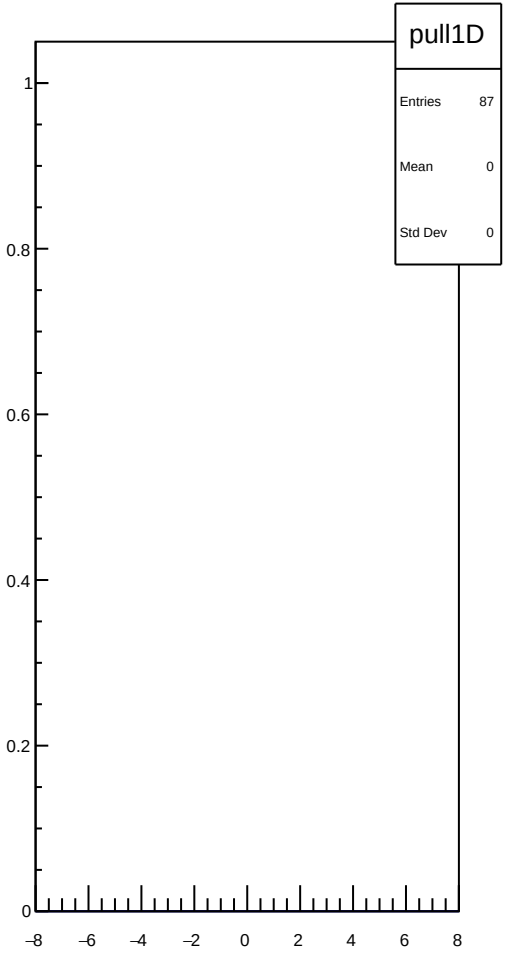

dit_atl2_coil6_err_mean vs run
χ² / ndf 1.102e+36 / 86
p0 697.4 ± 1.072e−16
1100
1000
900
800
700
600
pull
Entries 87
Mean −1.27e+09
Std Dev 1.27e+09
×10¹⁵
400
300
200
100
0
−100
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

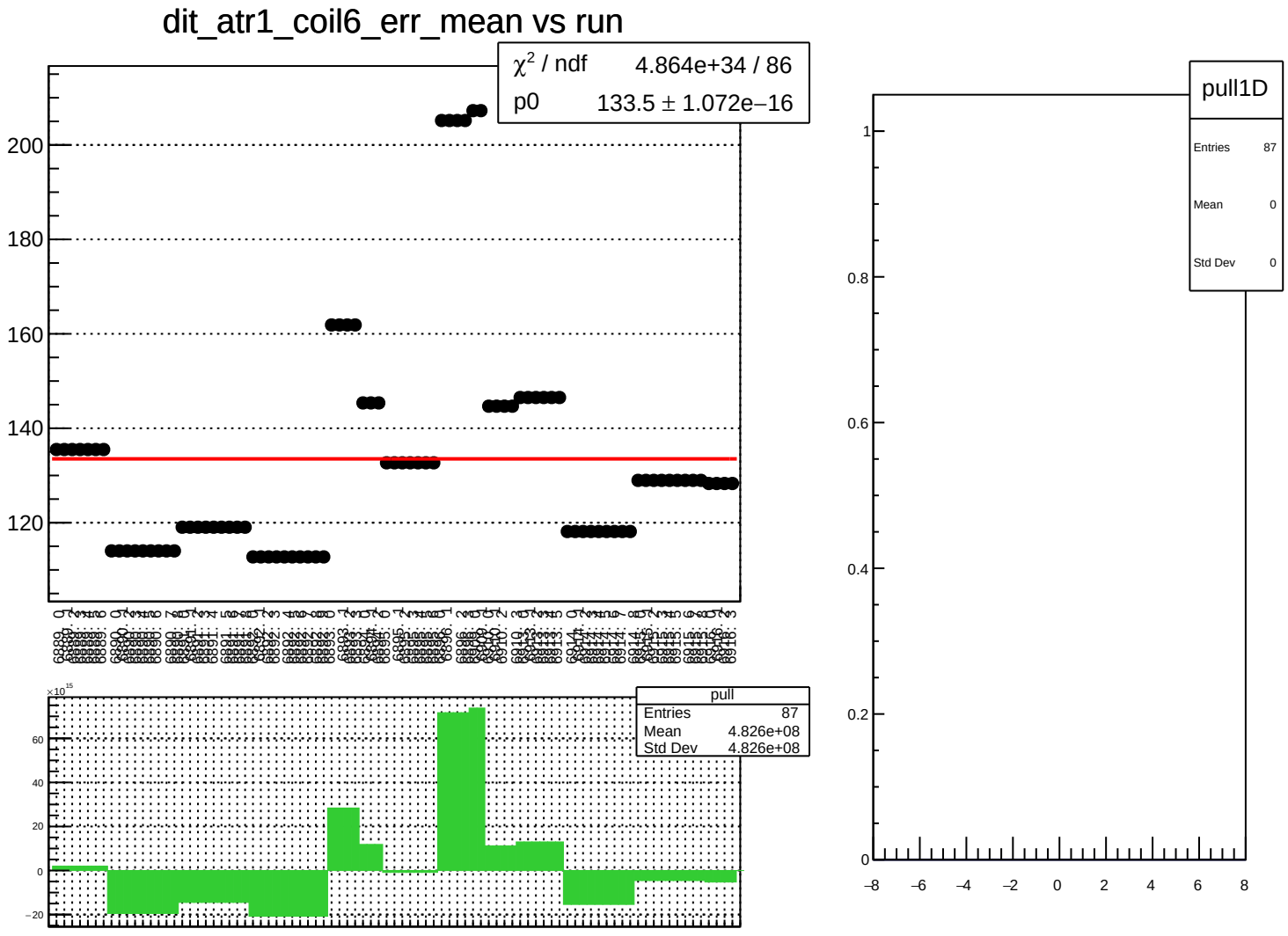
dit_atl2_coil6_Ndata_mean vs run

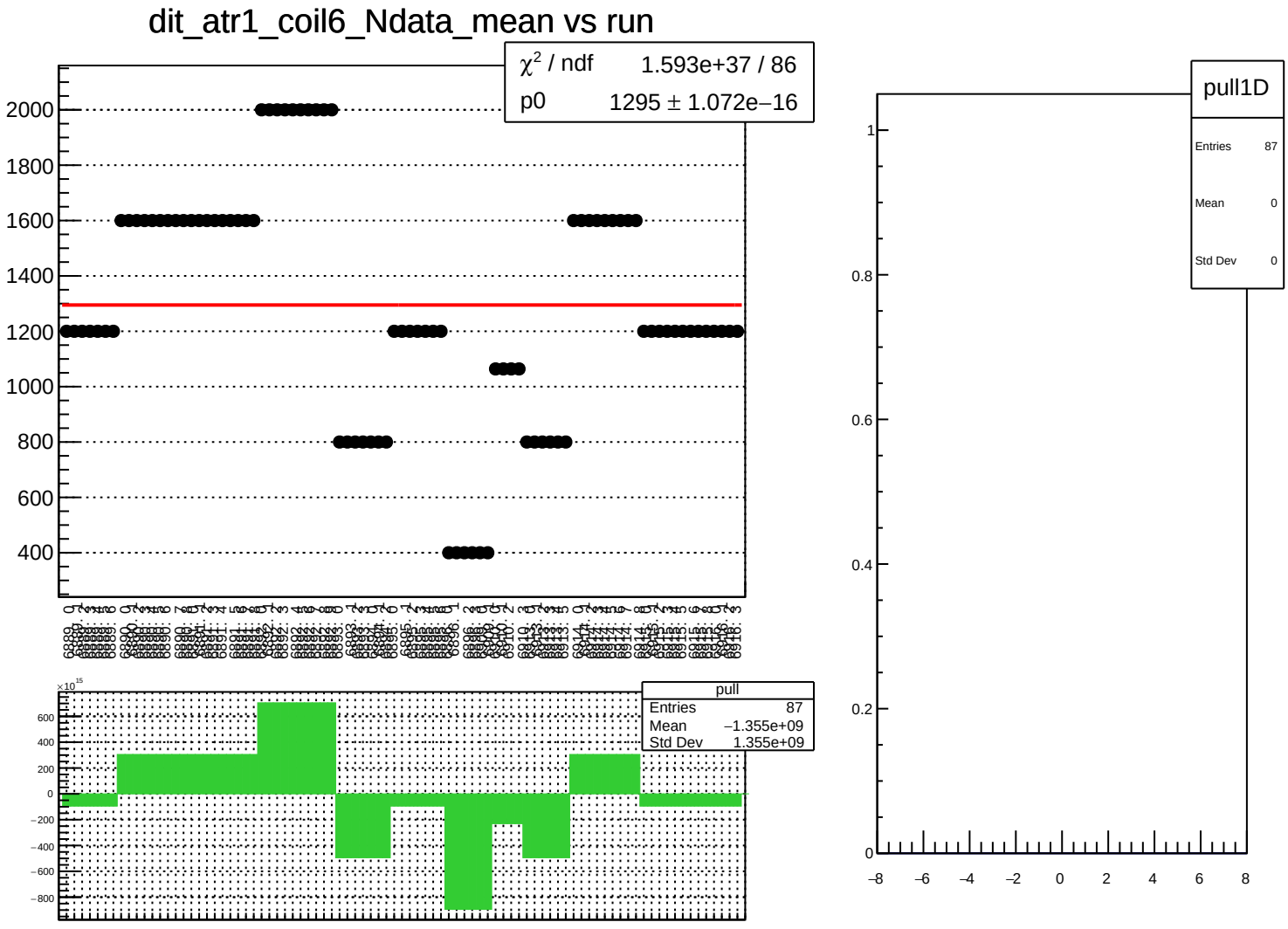


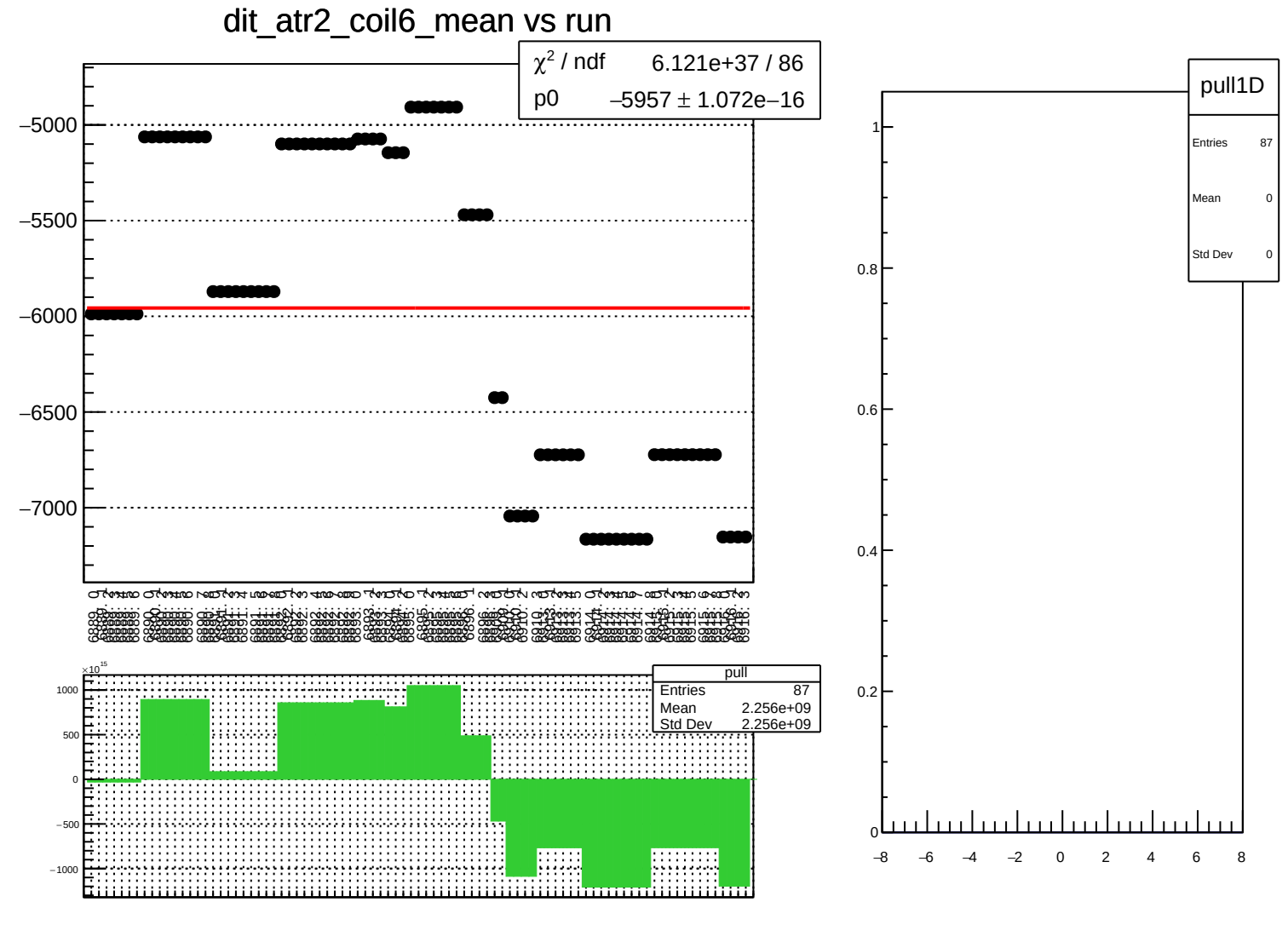


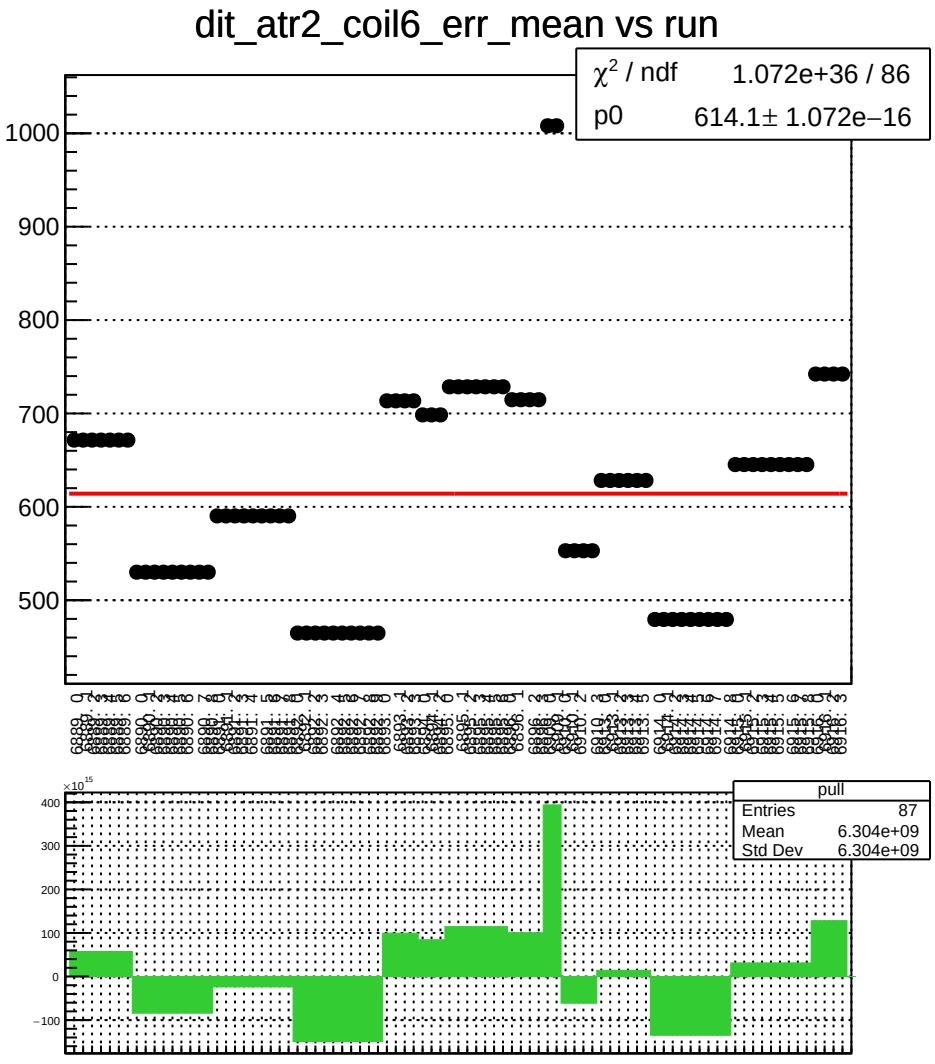

dit_atr1_coil6_mean vs run
χ² / ndf 1.944e+36 / 86
p0 811.5 ± 1.072e−16
1100
1000
900
800
700
600
500
pull
Entries 87
Mean −1.443e+09
Std Dev 1.443e+09
×10¹⁵
300
200
100
0
−100
−200
−300

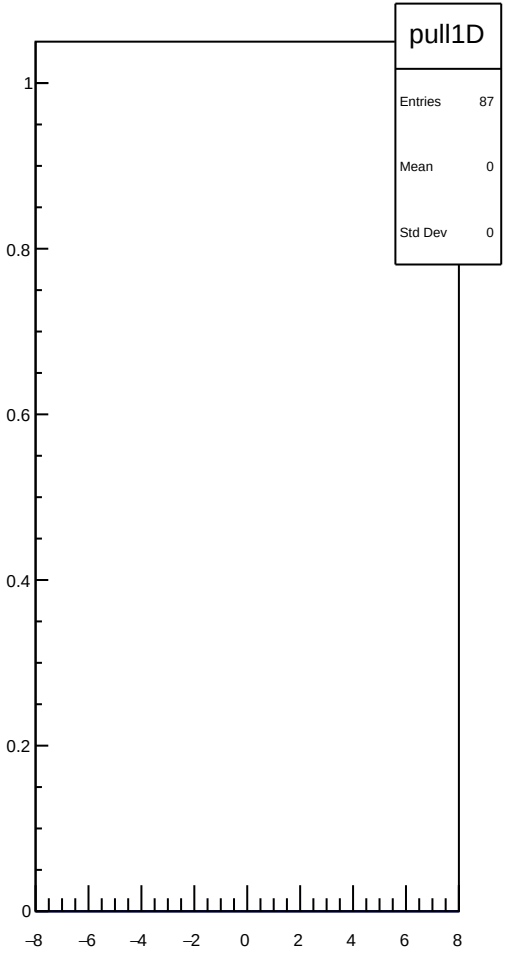

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

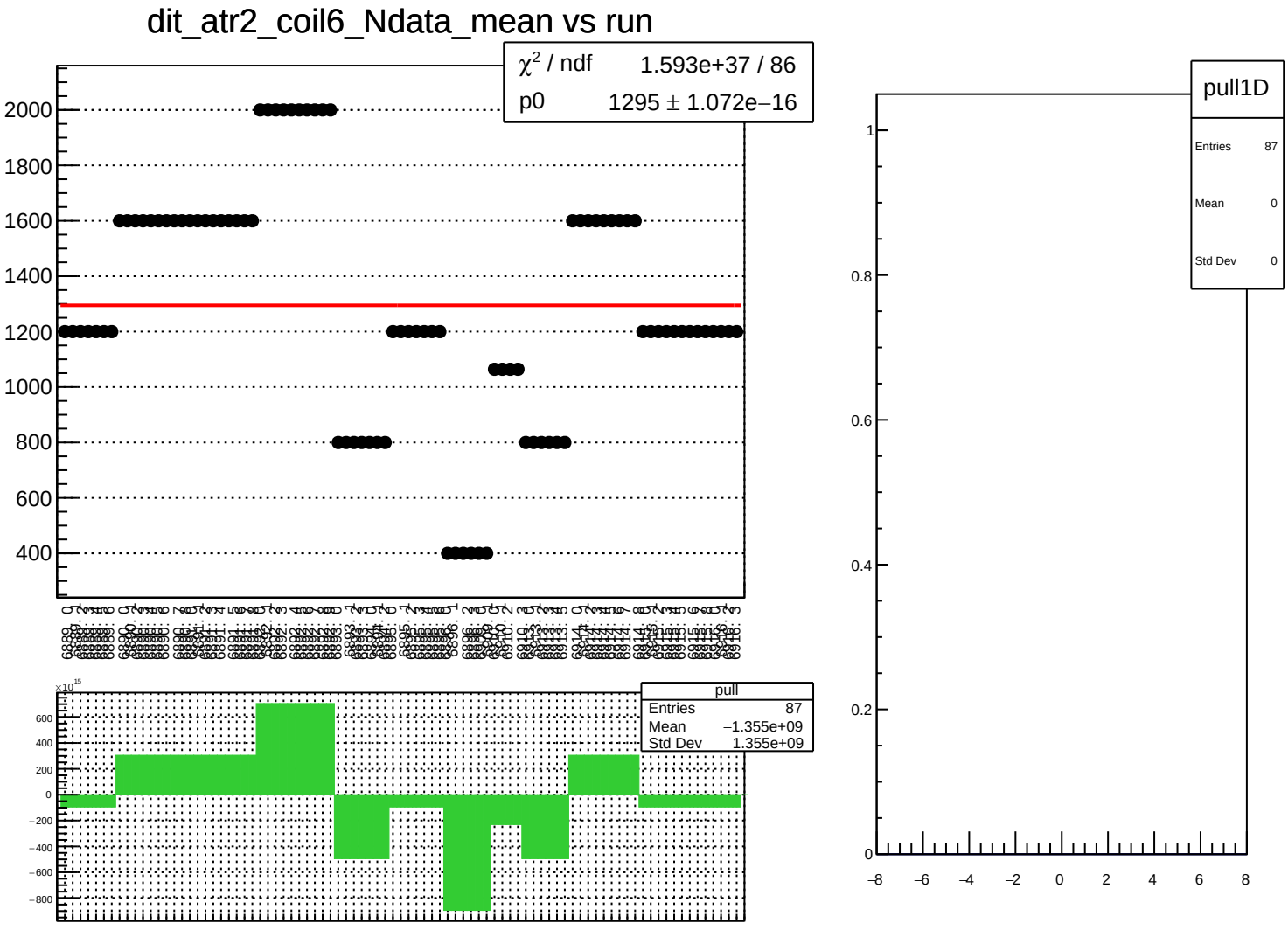

dit_atr1_coil6_err_mean vs run
χ² / ndf 4.864e+34 / 86
p0 133.5 ± 1.072e−16
200
180
160
140
120
pull
Entries 87
Mean 4.826e+08
Std Dev 4.826e+08
×10¹⁵
60
40
20
0
−20
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

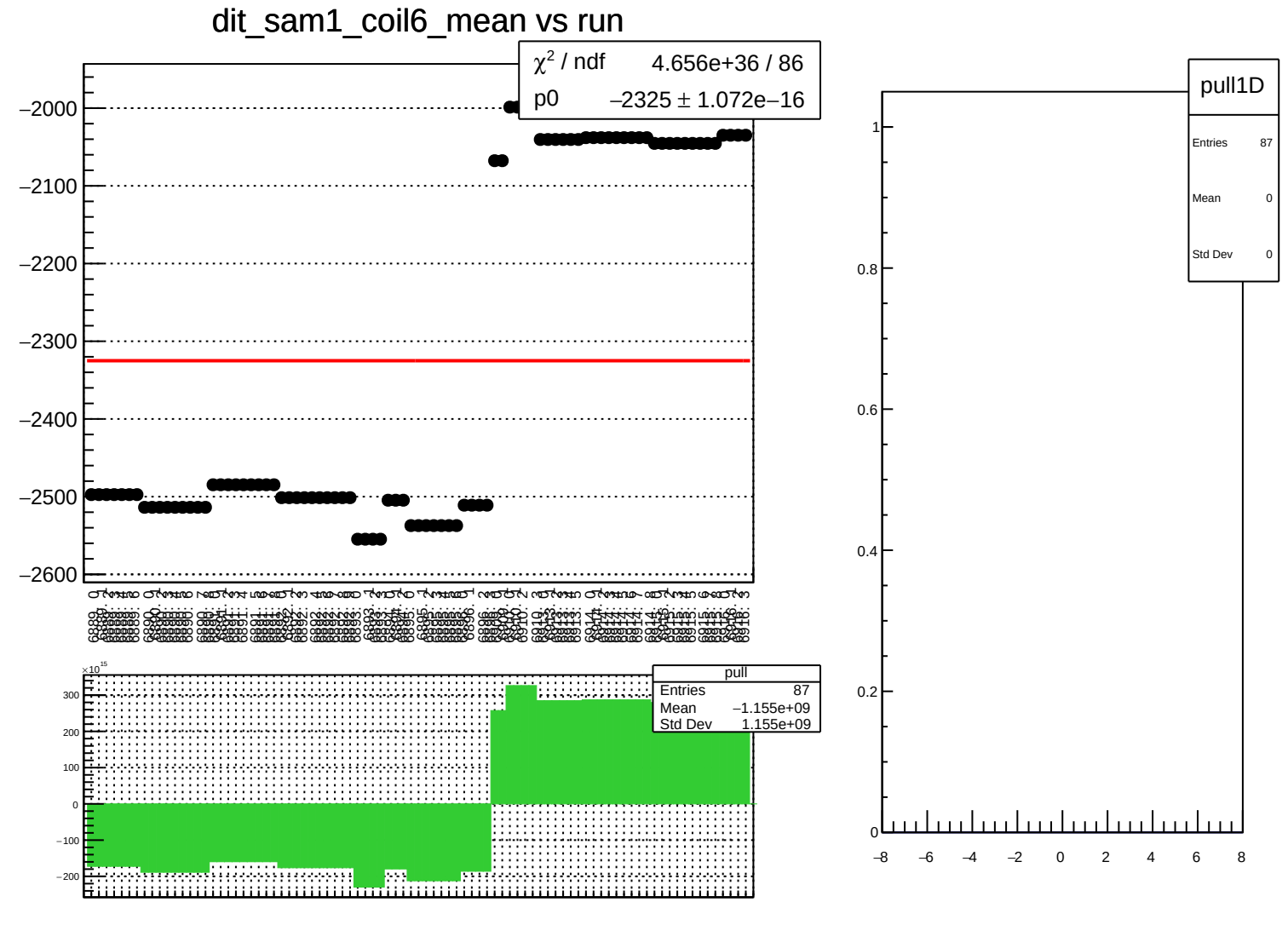

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

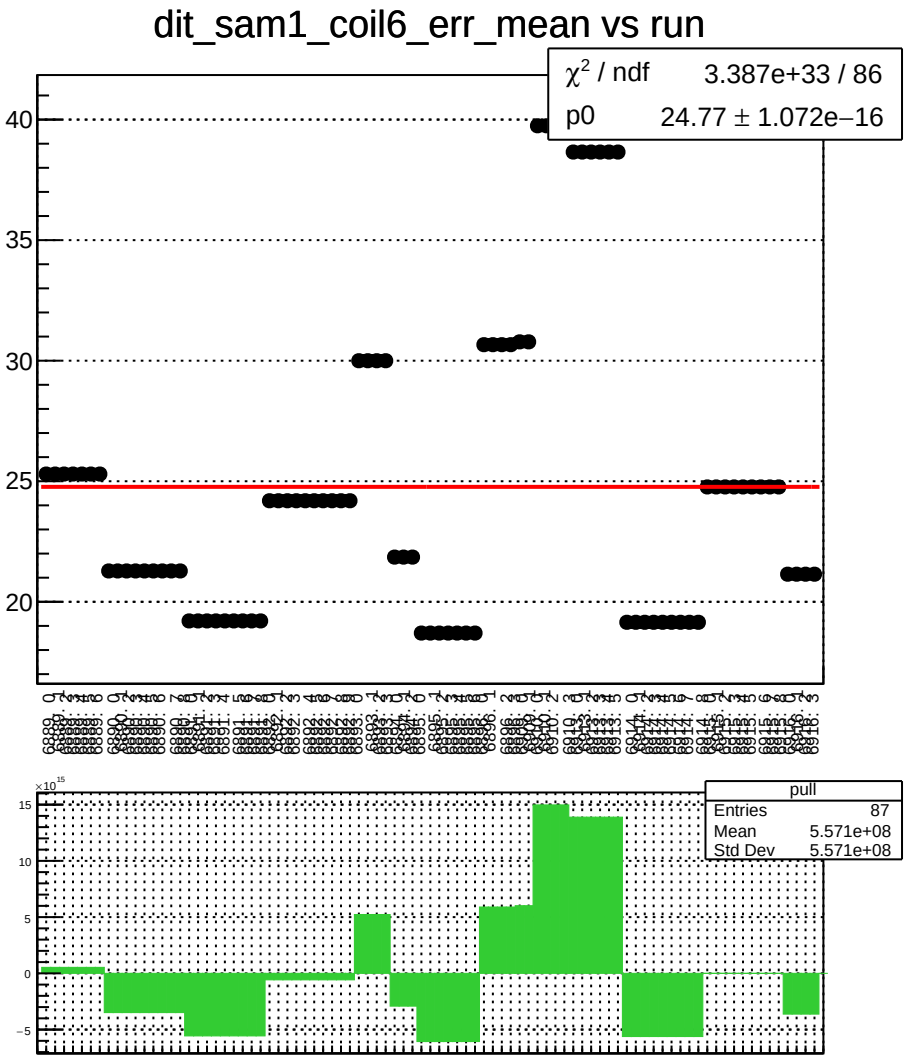

dit_atr2_coil6_mean vs run
χ² / ndf 6.121e+37 / 86
p0 −5957 ± 1.072e−16
−5000
−5500
−6000
−6500
−7000
pull
Entries 87
Mean 2.256e+09
Std Dev 2.256e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

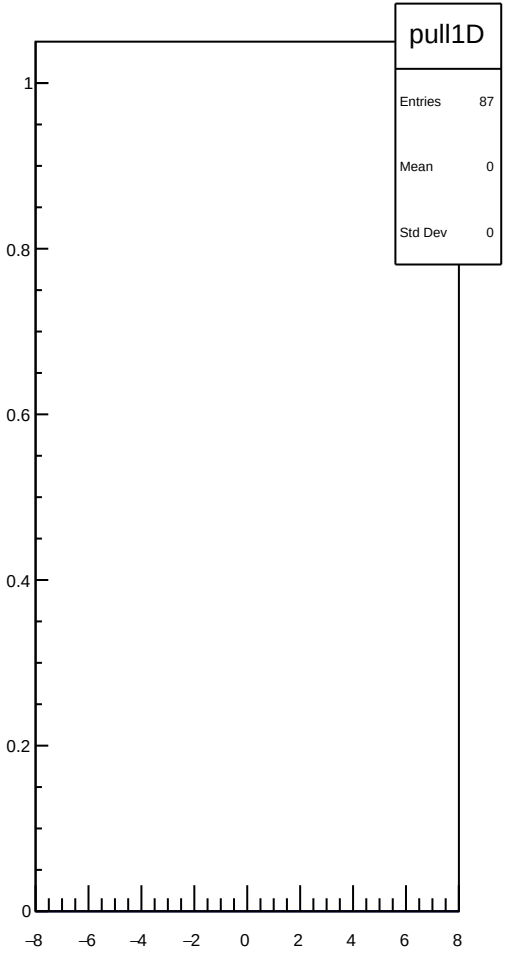

dit_atr2_coil6_err_mean vs run
χ^2 / ndf 1.072e+36 / 86
p0 614.1± 1.072e−16
1000
900
800
700
600
500
pull
Entries 87
Mean 6.304e+09
Std Dev 6.304e+09
×10^15
400
300
200
100
0
−100

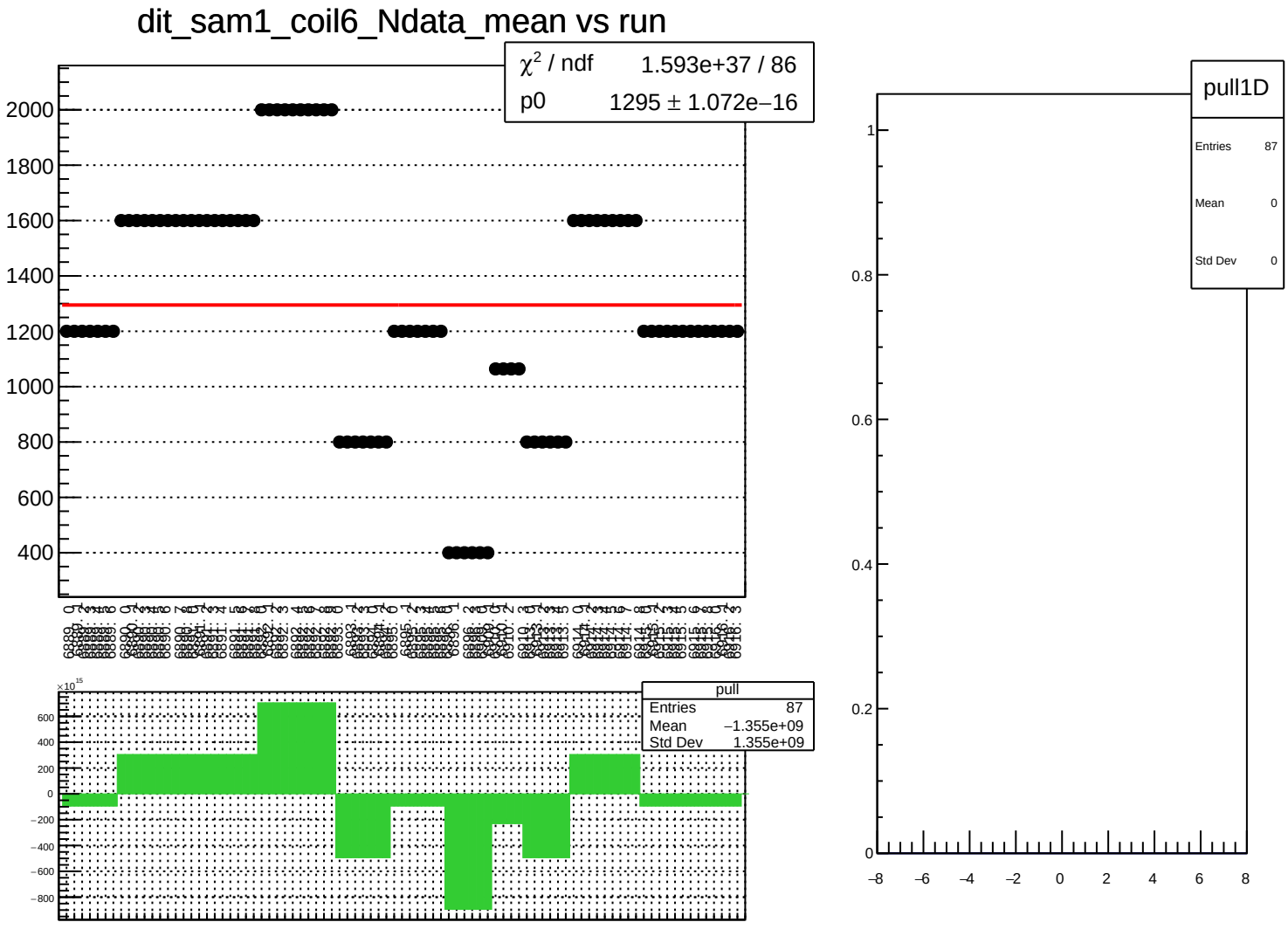

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

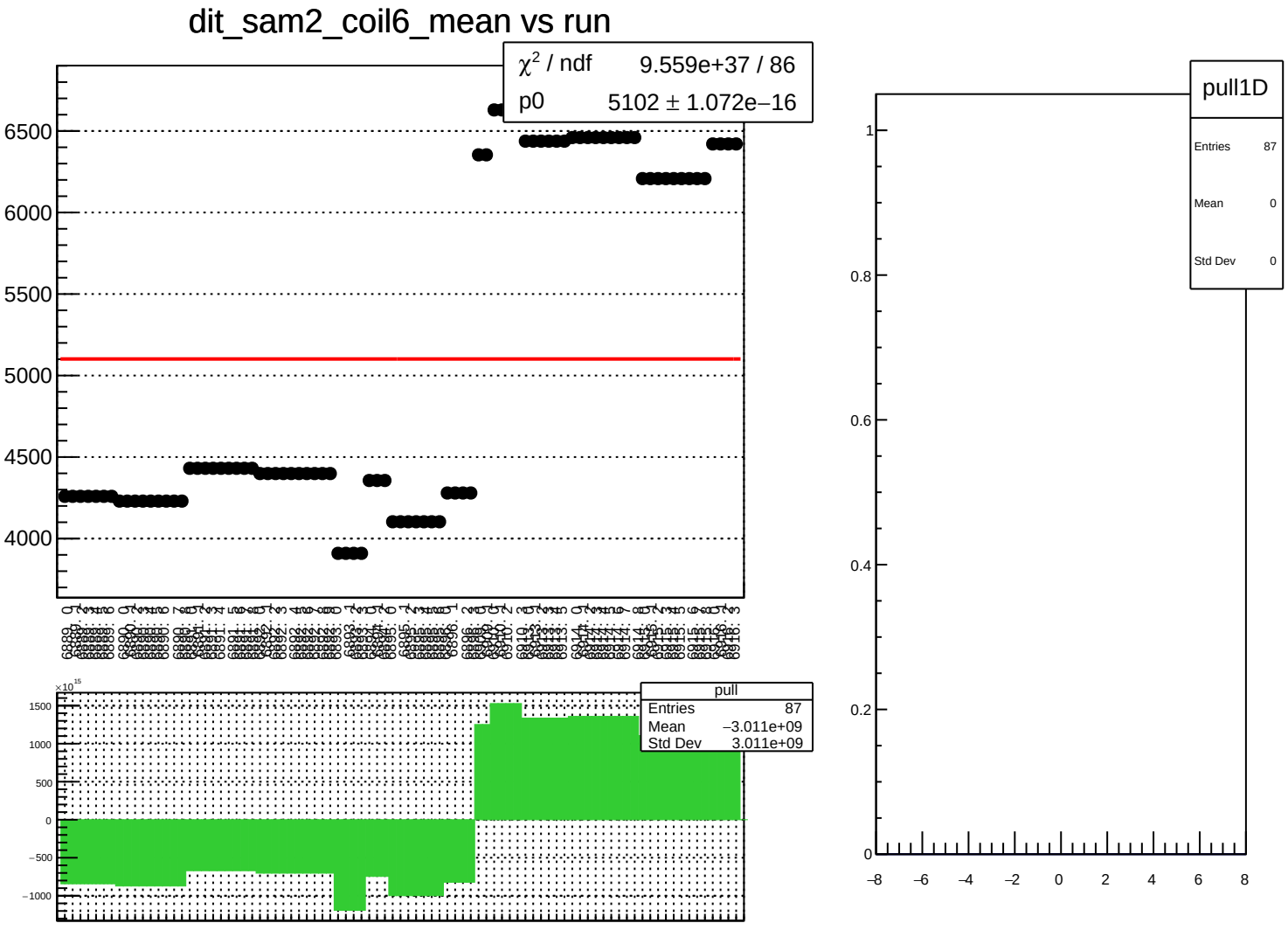

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

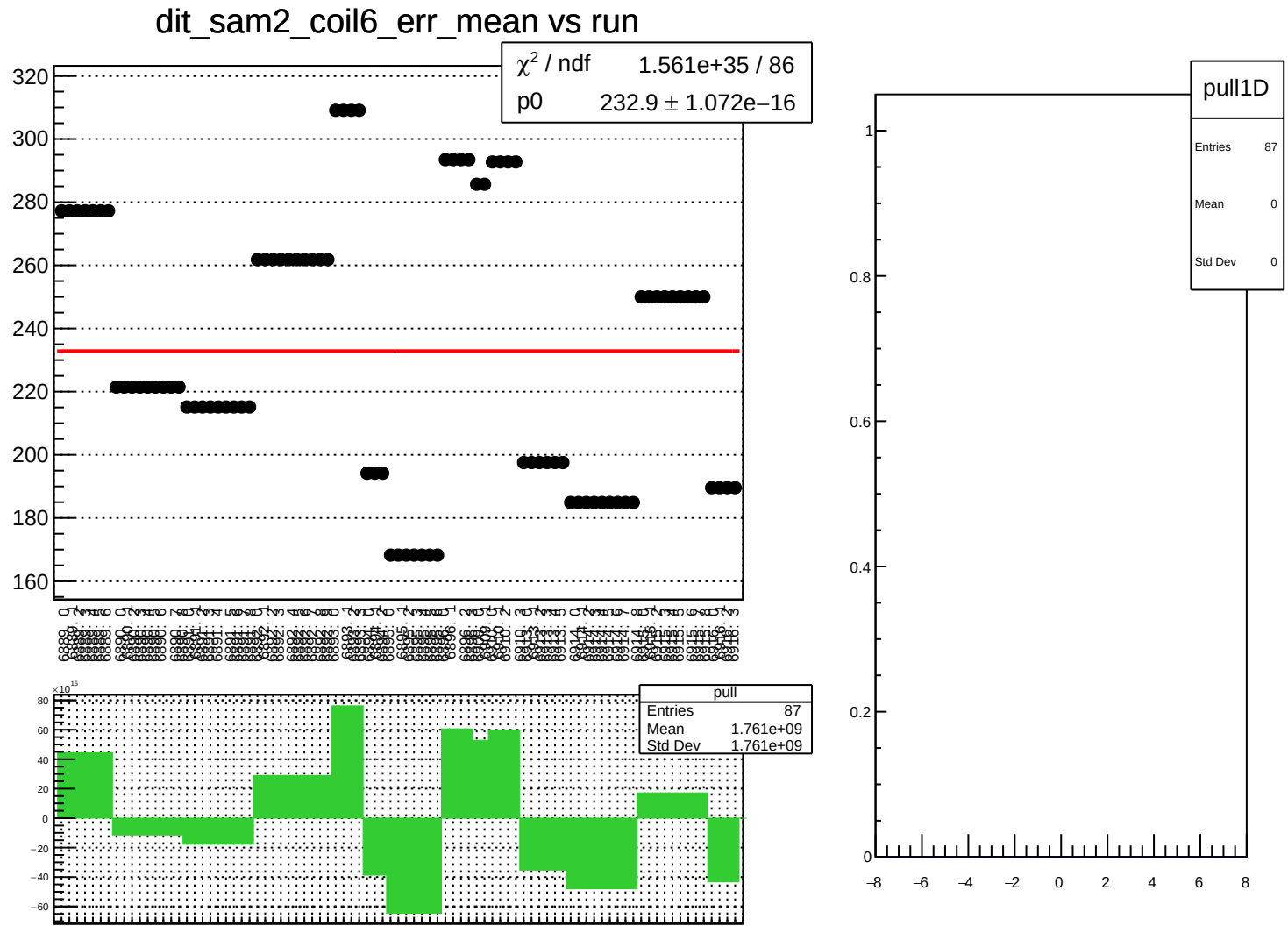

dit_sam1_coil6_mean vs run
χ² / ndf 4.656e+36 / 86
p0 −2325 ± 1.072e−16
−2000
−2100
−2200
−2300
−2400
−2500
−2600
pull
Entries 87
Mean −1.155e+09
Std Dev 1.155e+09
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

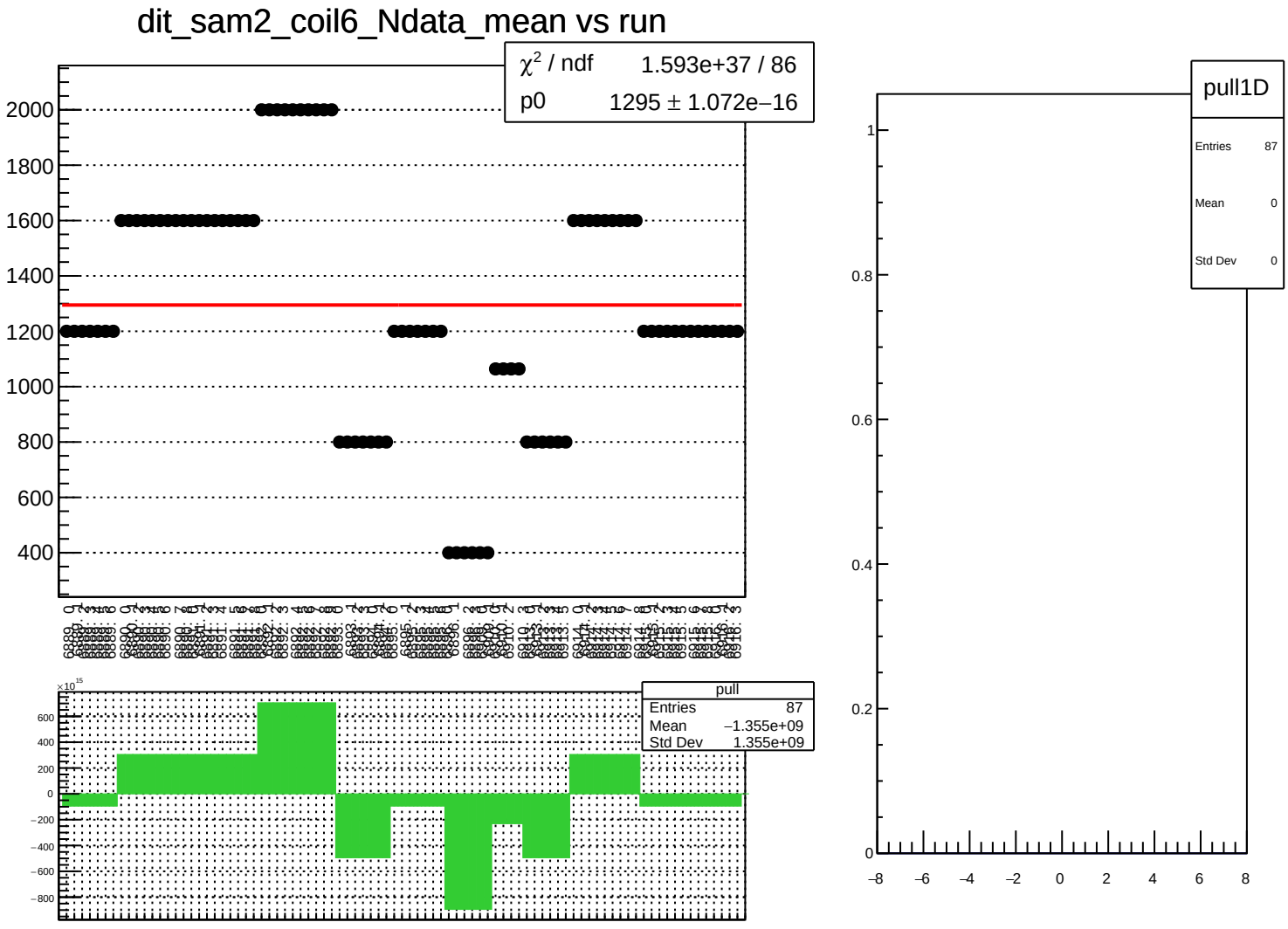

dit_sam1_coil6_err_mean vs run
χ^2 / ndf 3.387e+33 / 86
p0 24.77 ± 1.072e−16
40
35
30
25
20
pull
Entries 87
Mean 5.571e+08
Std Dev 5.571e+08
×10^15
15
10
5
0
−5

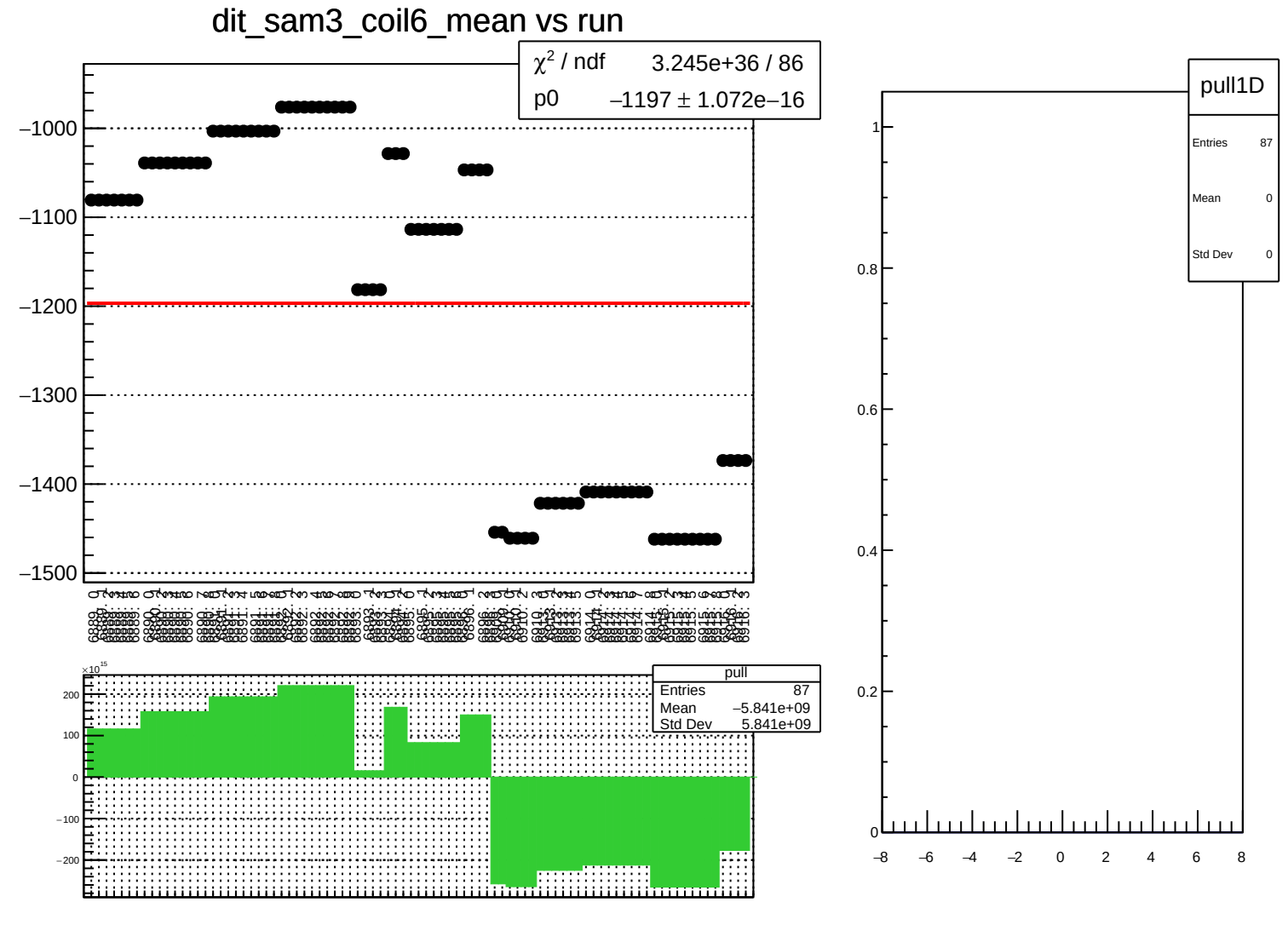

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

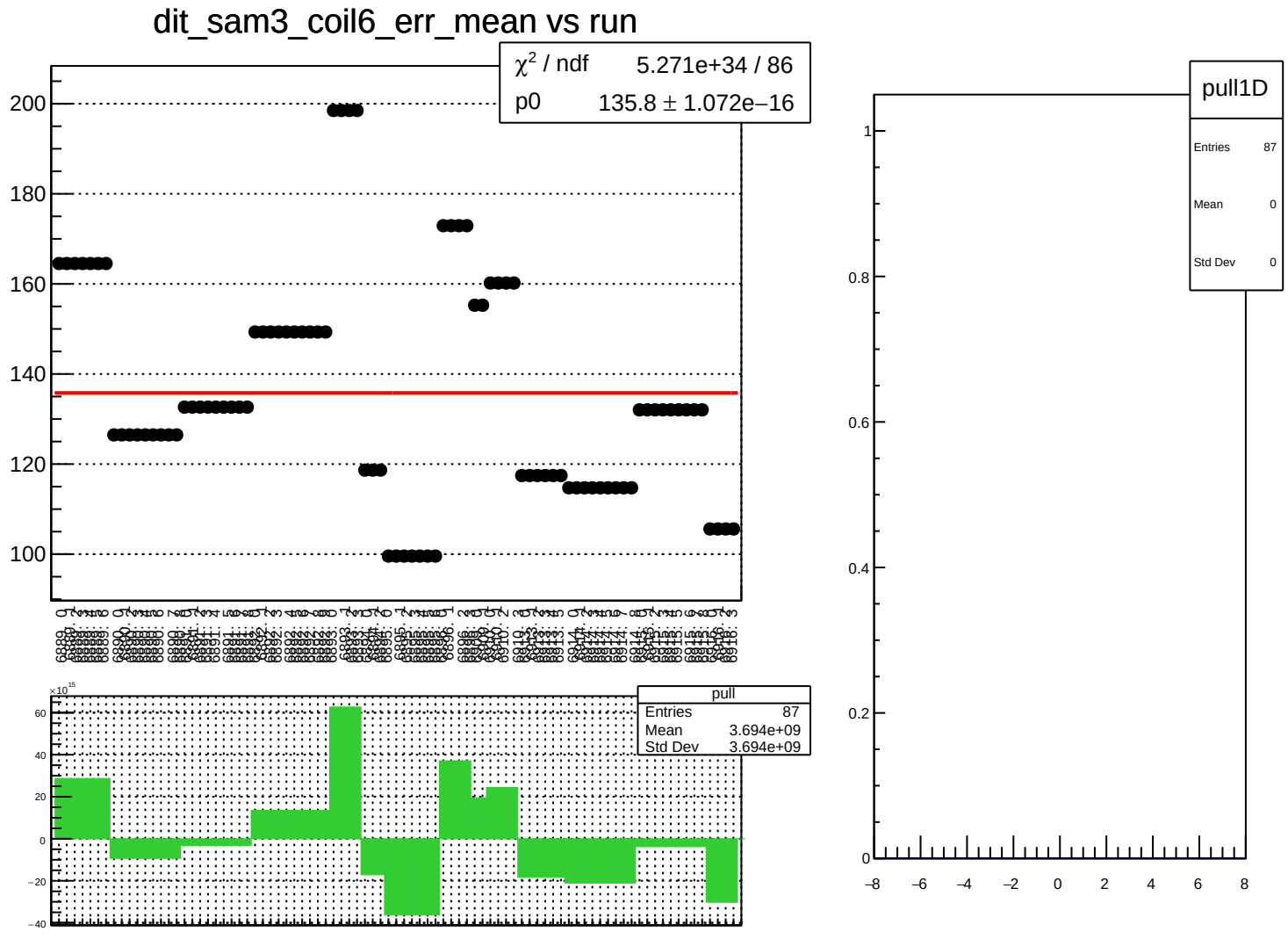

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

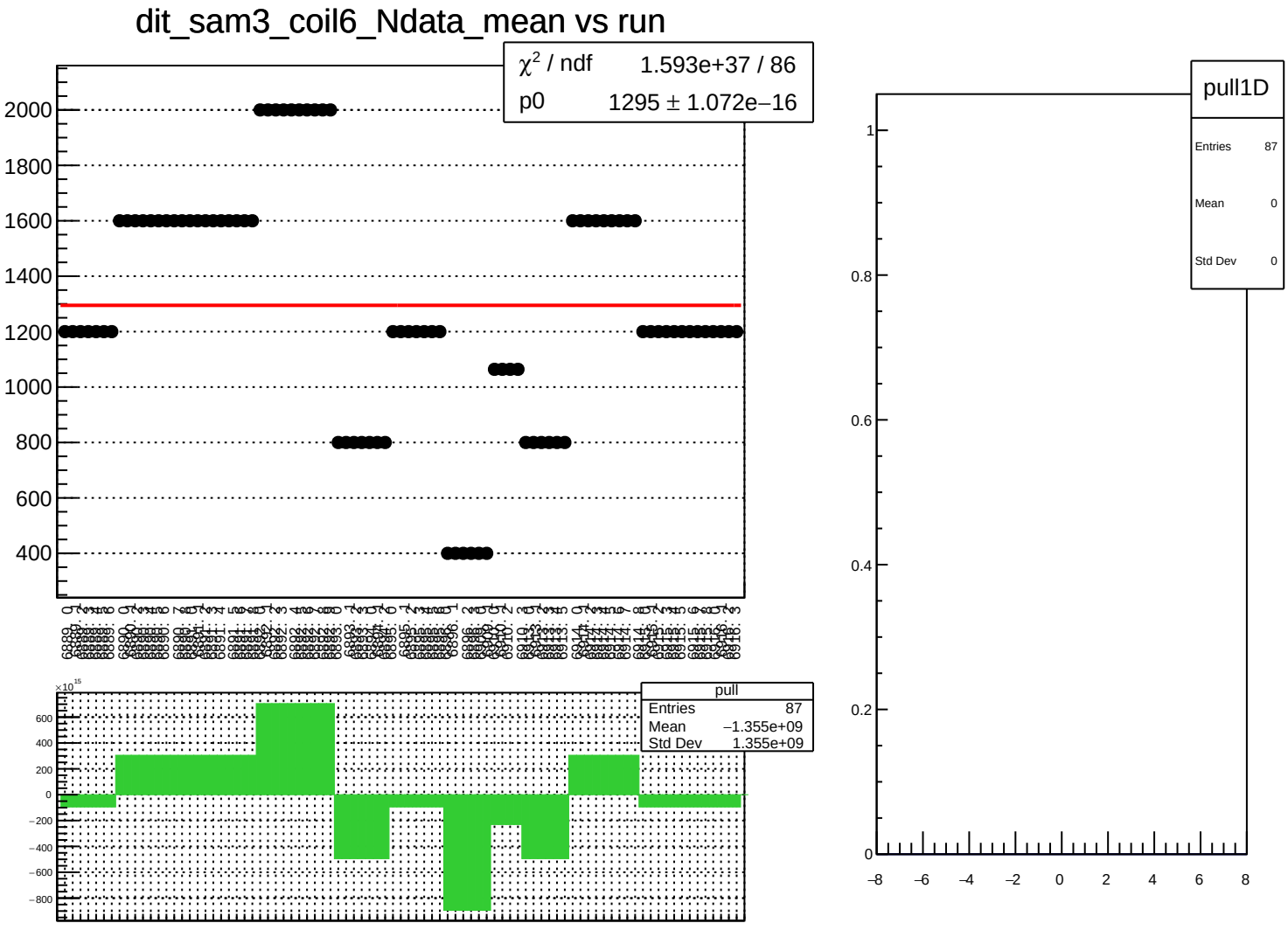

dit_sam2_coil6_mean vs run
χ^2 / ndf 9.559e+37 / 86
p0 5102 ± 1.072e−16
6500
6000
5500
5000
4500
4000
pull
Entries 87
Mean −3.011e+09
Std Dev 3.011e+09
×10^15
1500
1000
500
0
−500
−1000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

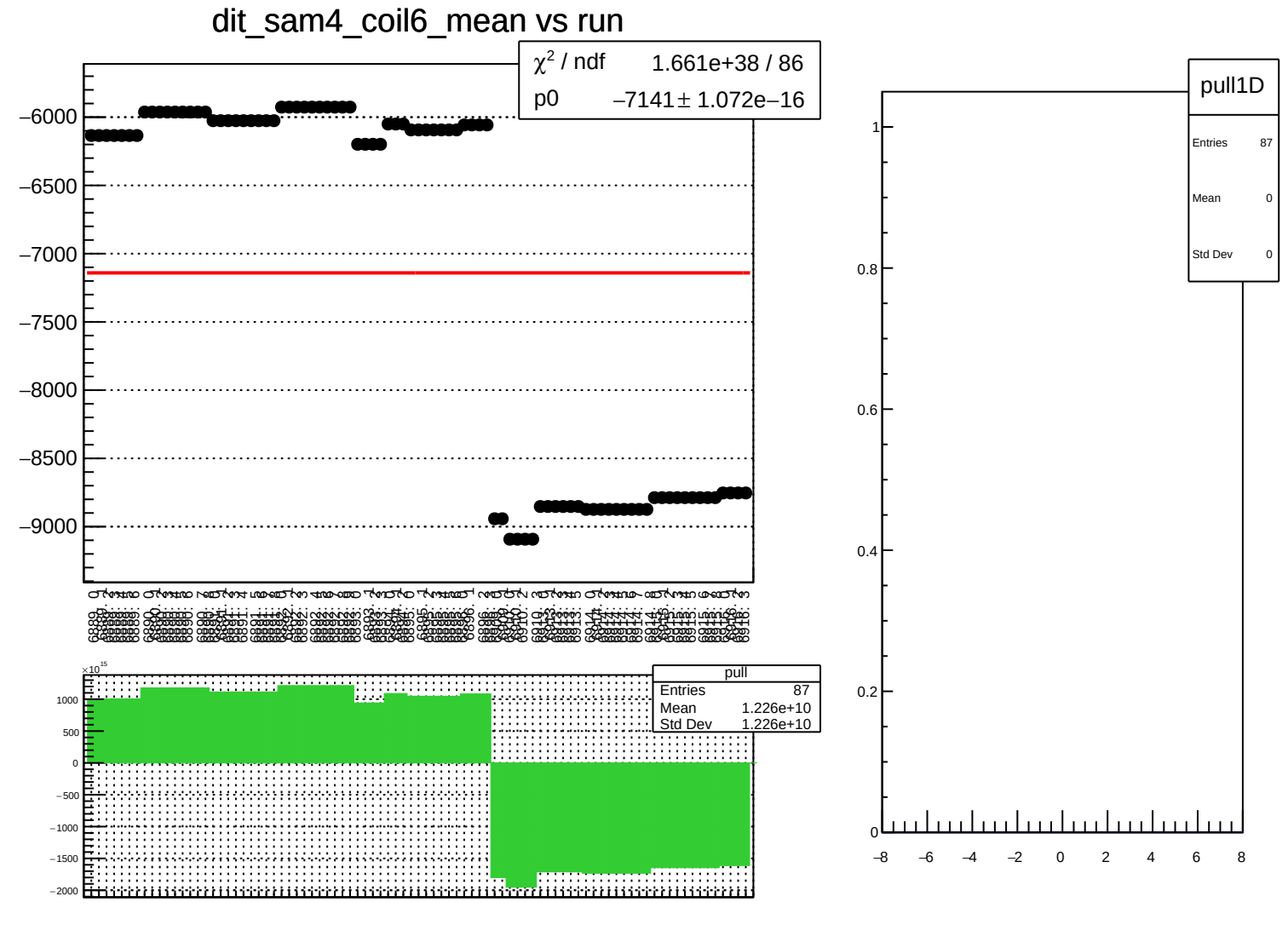

dit_sam2_coil6_err_mean vs run
χ² / ndf 1.561e+35 / 86
p0 232.9 ± 1.072e−16
pull
Entries 87
Mean 1.761e+09
Std Dev 1.761e+09
pull1D
Entries 87
Mean 0
Std Dev 0

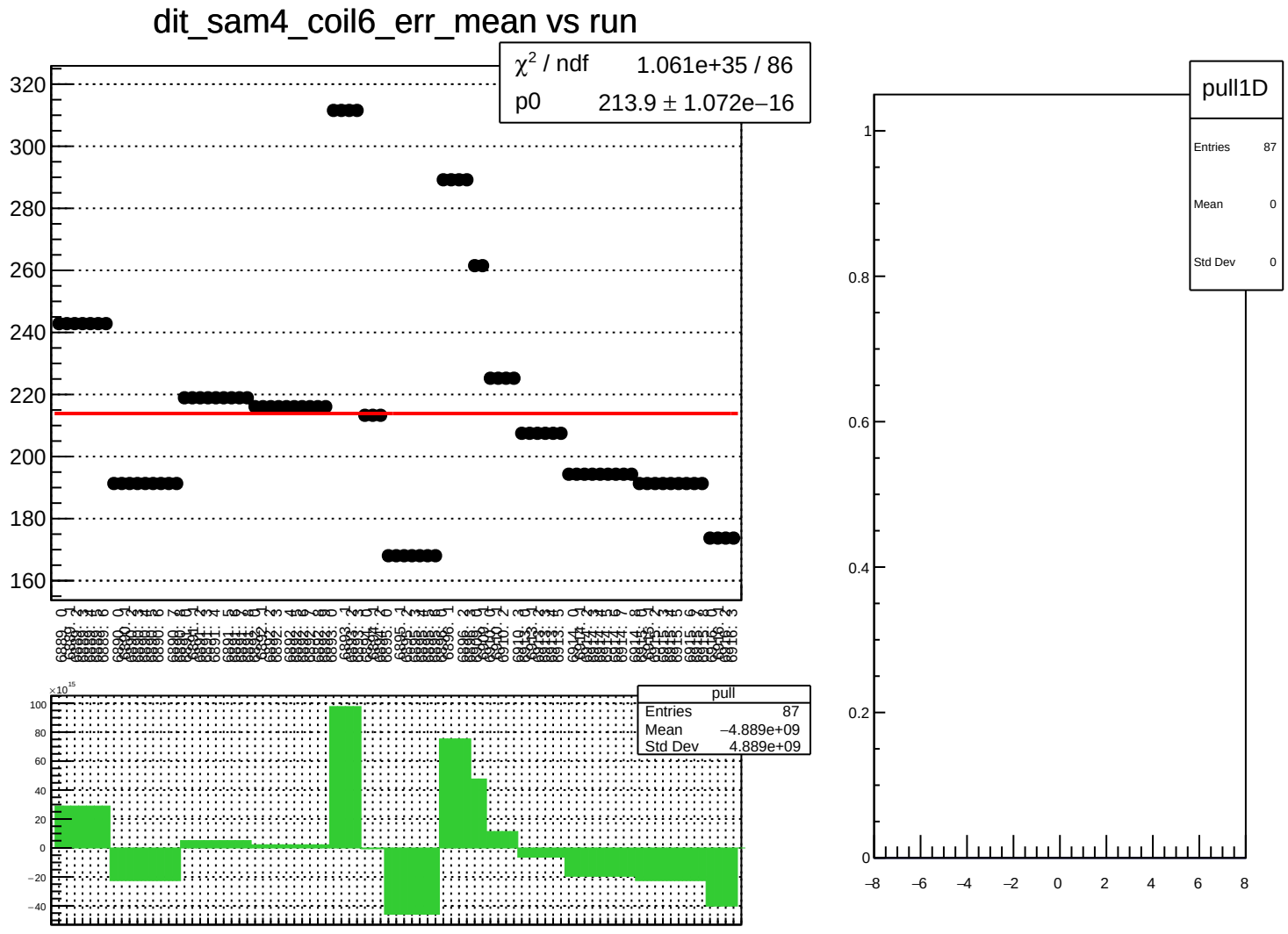

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

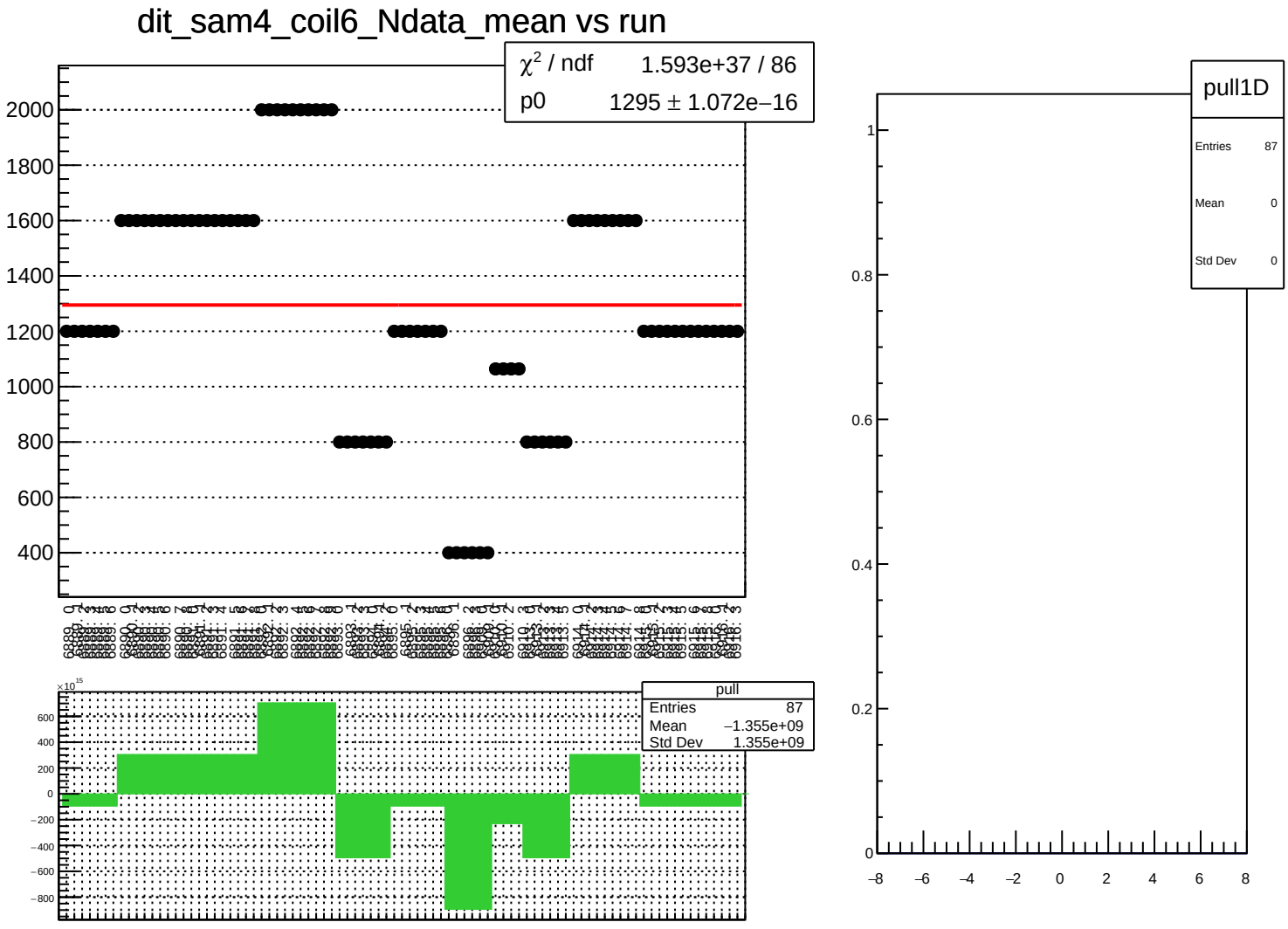

dit_sam3_coil6_mean vs run
χ² / ndf 3.245e+36 / 86
p0 −1197 ± 1.072e−16
−1000
−1100
−1200
−1300
−1400
−1500
pull
Entries 87
Mean −5.841e+09
Std Dev 5.841e+09
×10¹⁵
200
100
0
−100
−200
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

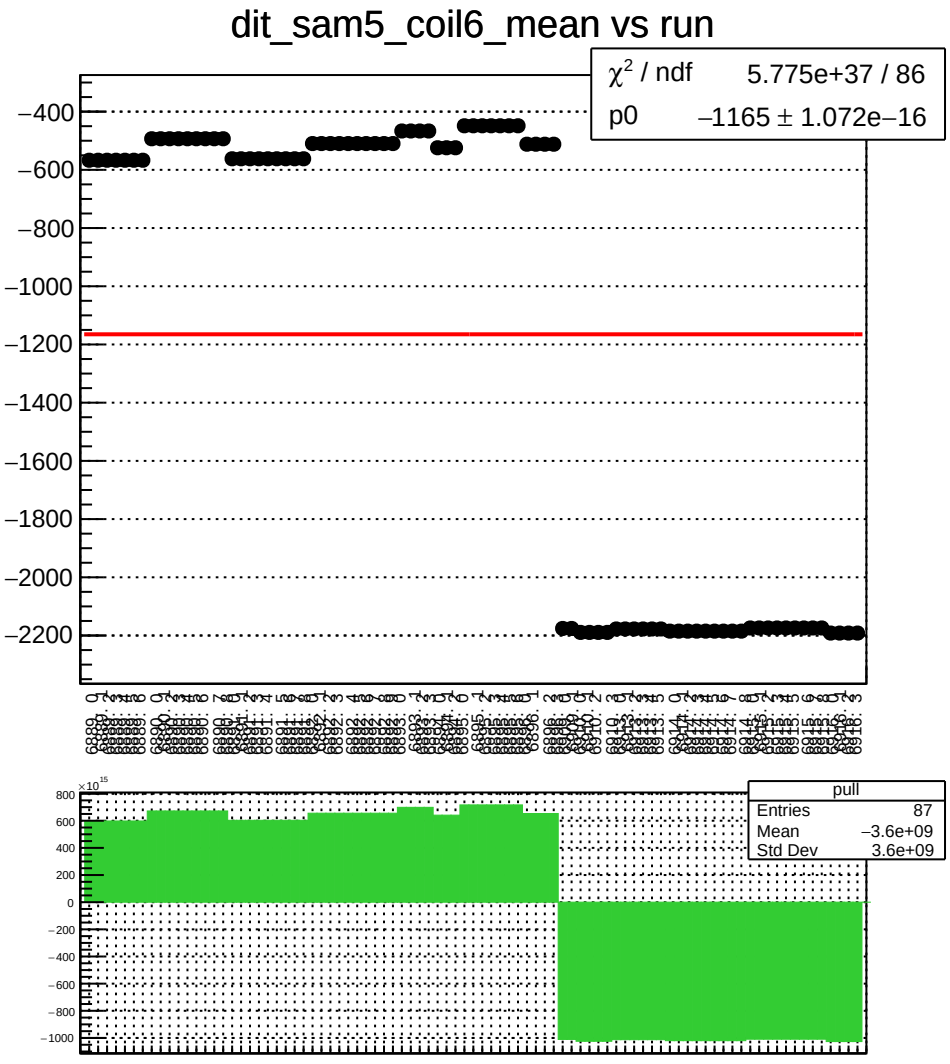

dit_sam3_coil6_err_mean vs run
χ² / ndf 5.271e+34 / 86
p0 135.8 ± 1.072e−16
pull
Entries 87
Mean 3.694e+09
Std Dev 3.694e+09
pull1D
Entries 87
Mean 0
Std Dev 0

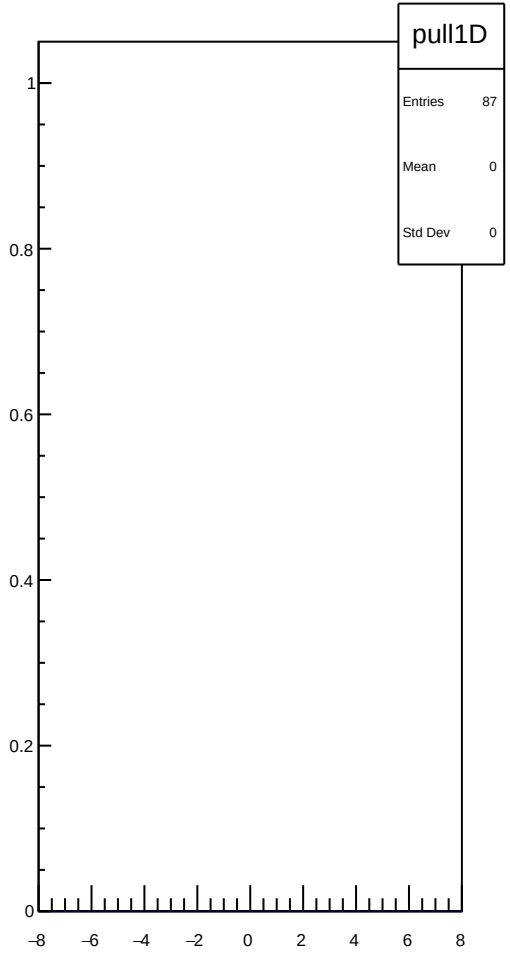

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

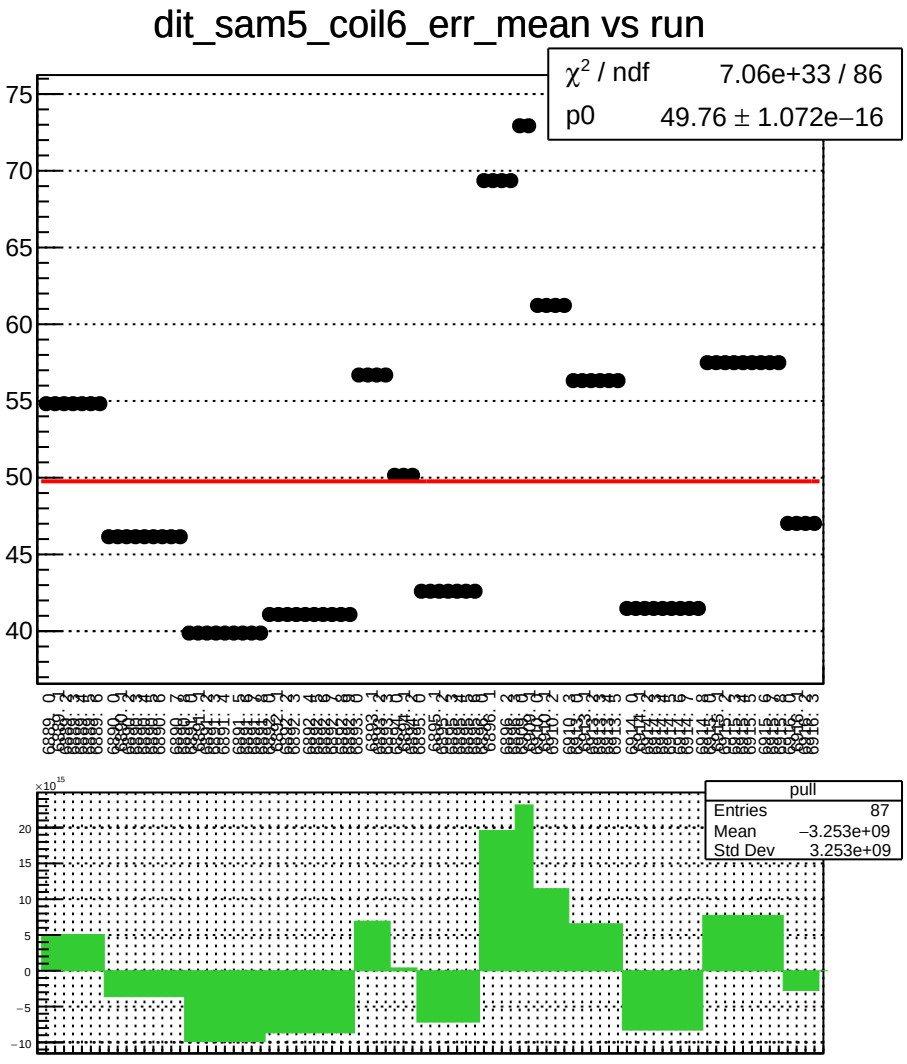

dit_sam4_coil6_mean vs run
χ² / ndf 1.661e+38 / 86
p0 −7141 ± 1.072e−16
−6000
−6500
−7000
−7500
−8000
−8500
−9000
pull
Entries 87
Mean 1.226e+10
Std Dev 1.226e+10
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

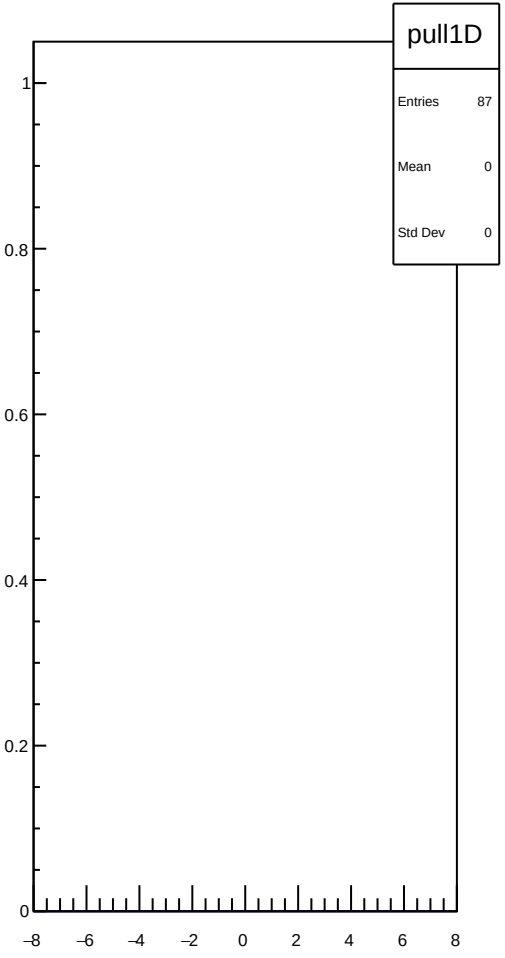

dit_sam4_coil6_err_mean vs run
χ² / ndf 1.061e+35 / 86
p0 213.9 ± 1.072e−16
pull
Entries 87
Mean −4.889e+09
Std Dev 4.889e+09
pull1D
Entries 87
Mean 0
Std Dev 0

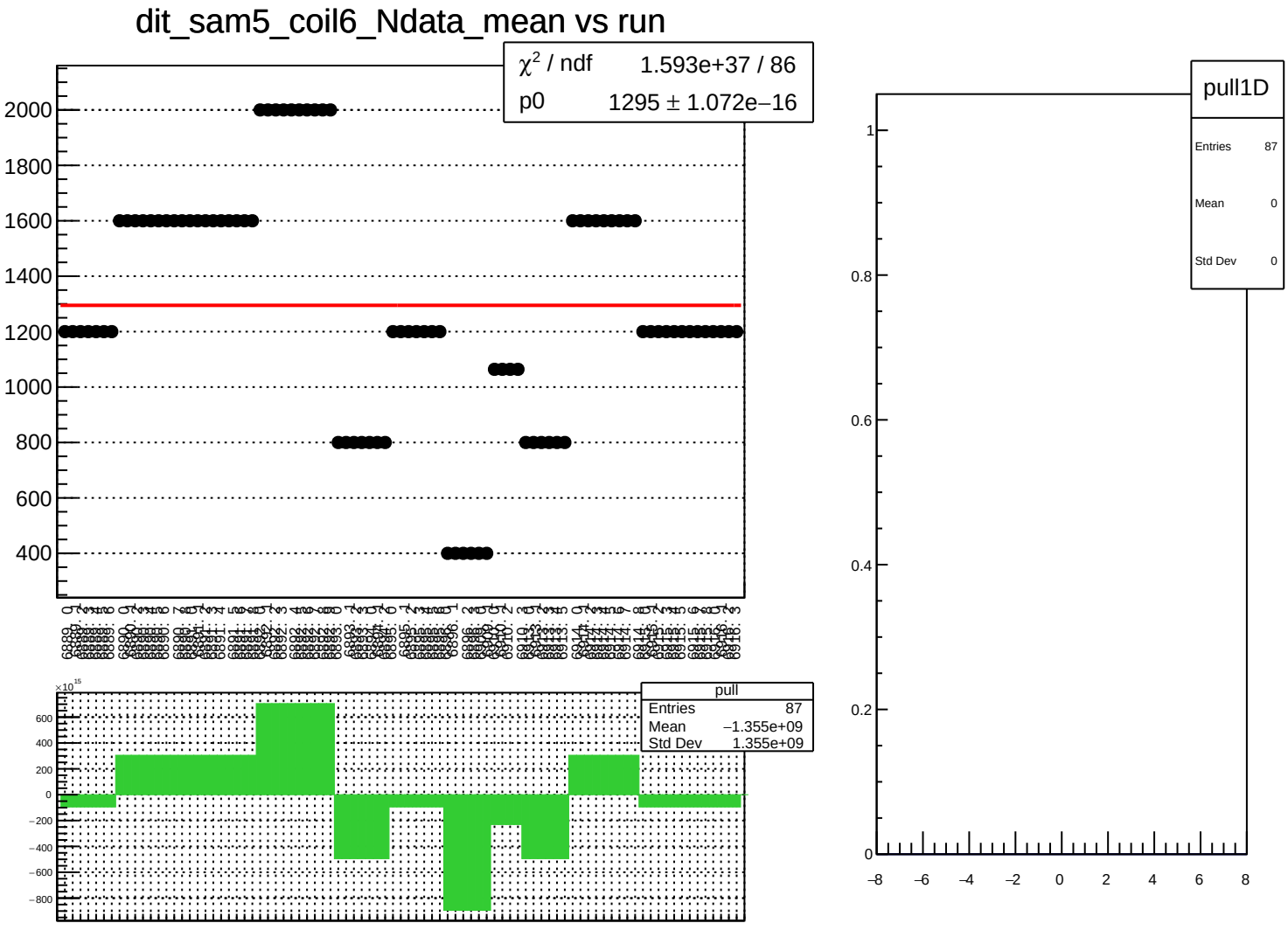

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

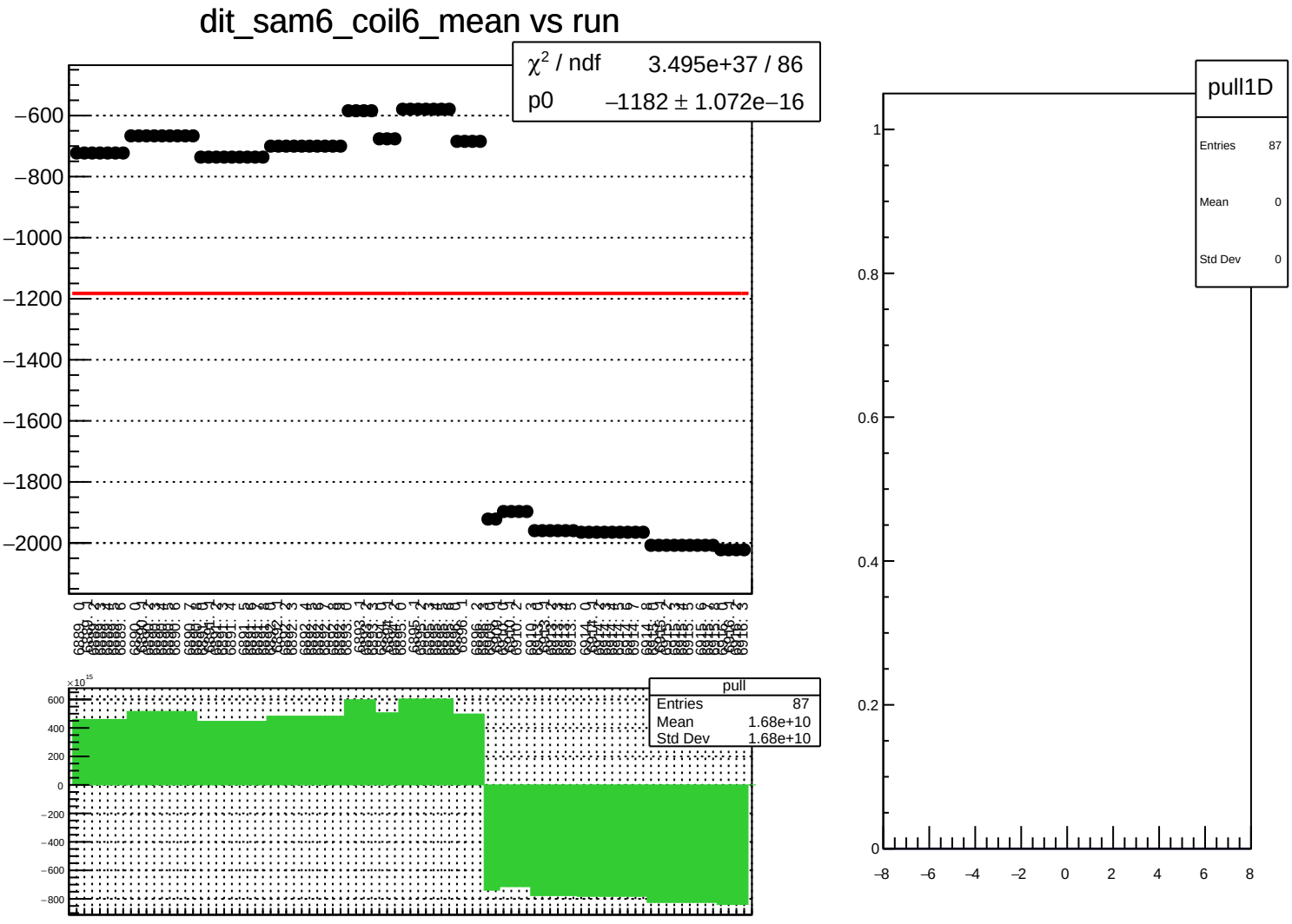

dit_sam5_coil6_mean vs run
χ^2 / ndf 5.775e+37 / 86
p0 −1165 ± 1.072e−16
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
−2000
−2200
pull
Entries 87
Mean −3.6e+09
Std Dev 3.6e+09
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000

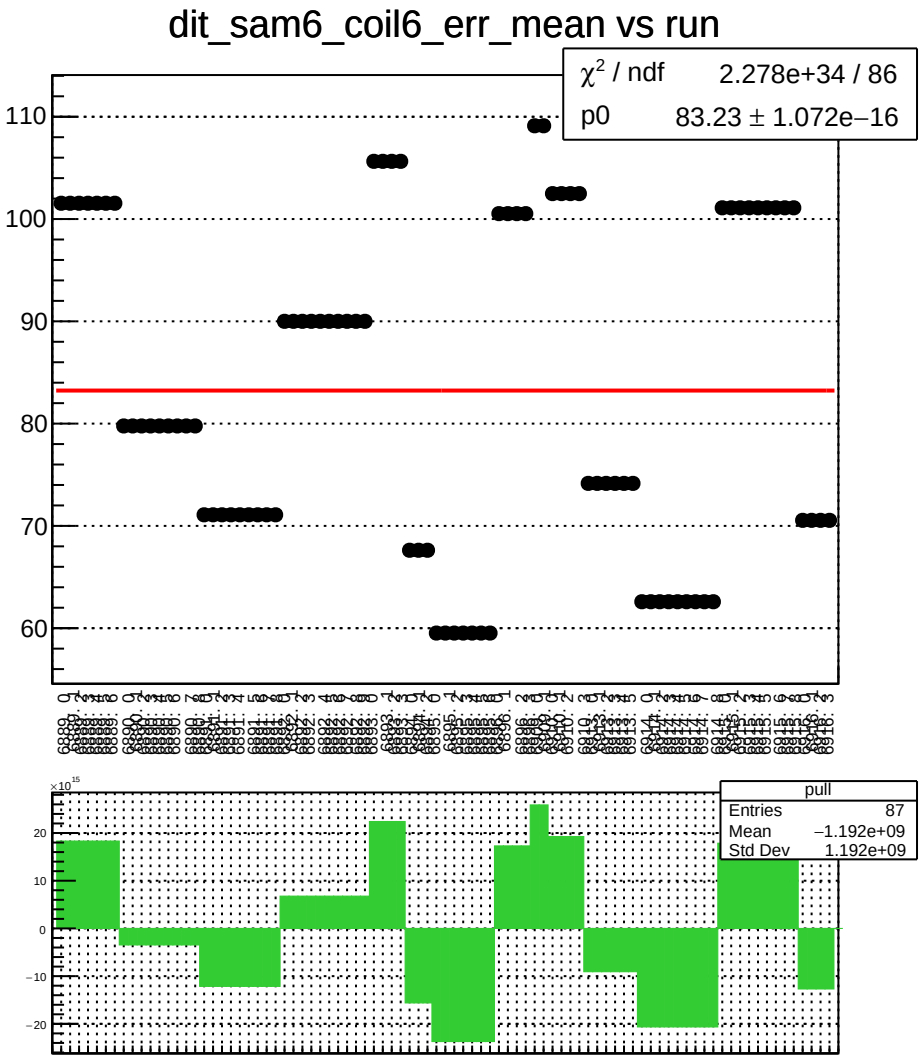

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

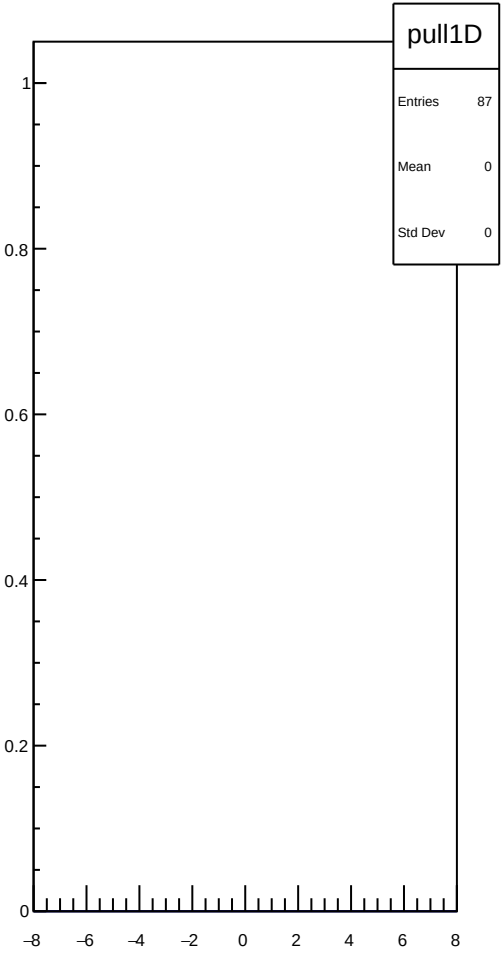

dit_sam5_coil6_err_mean vs run
χ² / ndf 7.06e+33 / 86
p0 49.76 ± 1.072e−16
pull
Entries 87
Mean −3.253e+09
Std Dev 3.253e+09

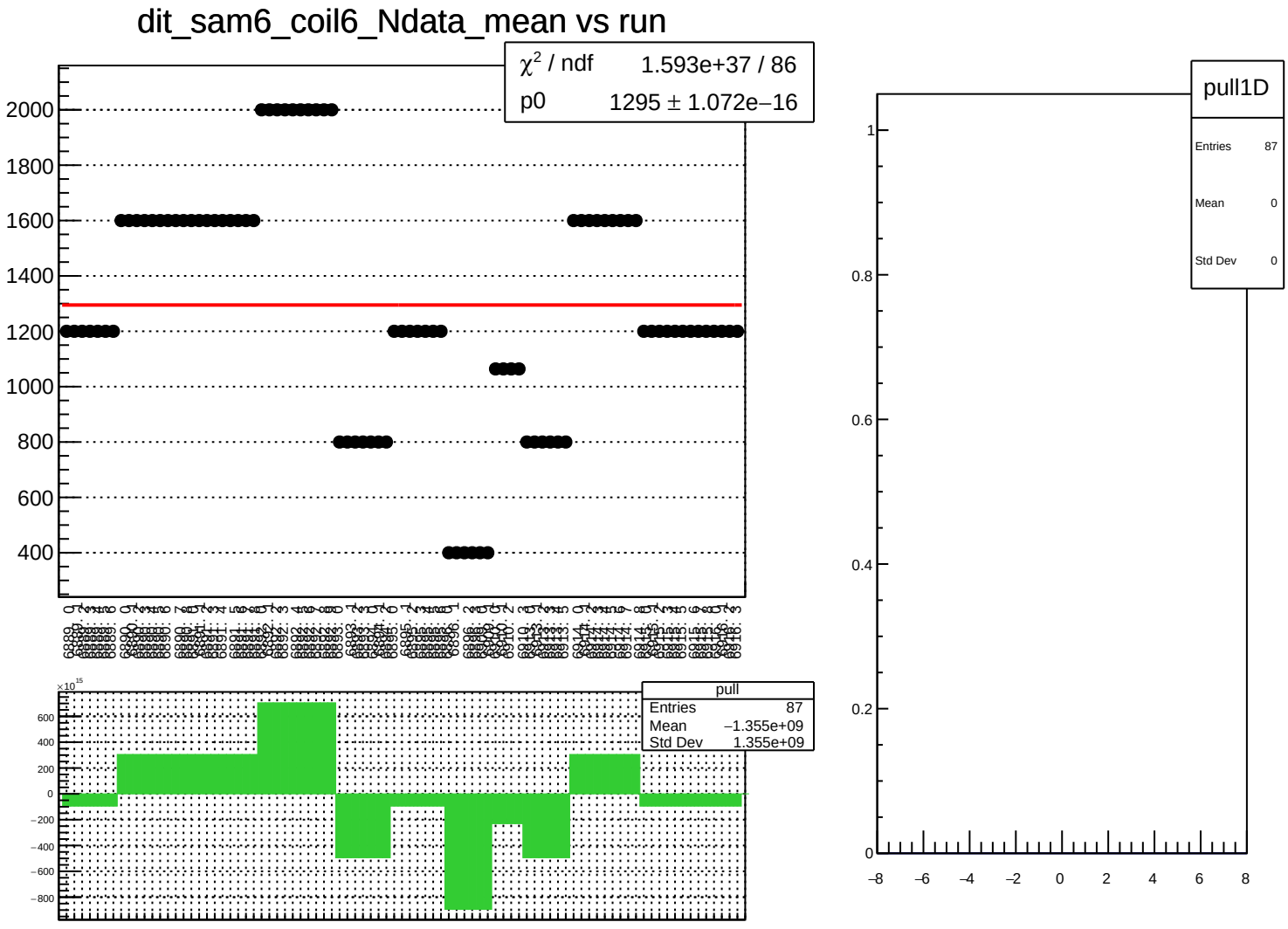

pull1D
Entries 87
Mean 0
Std Dev 0

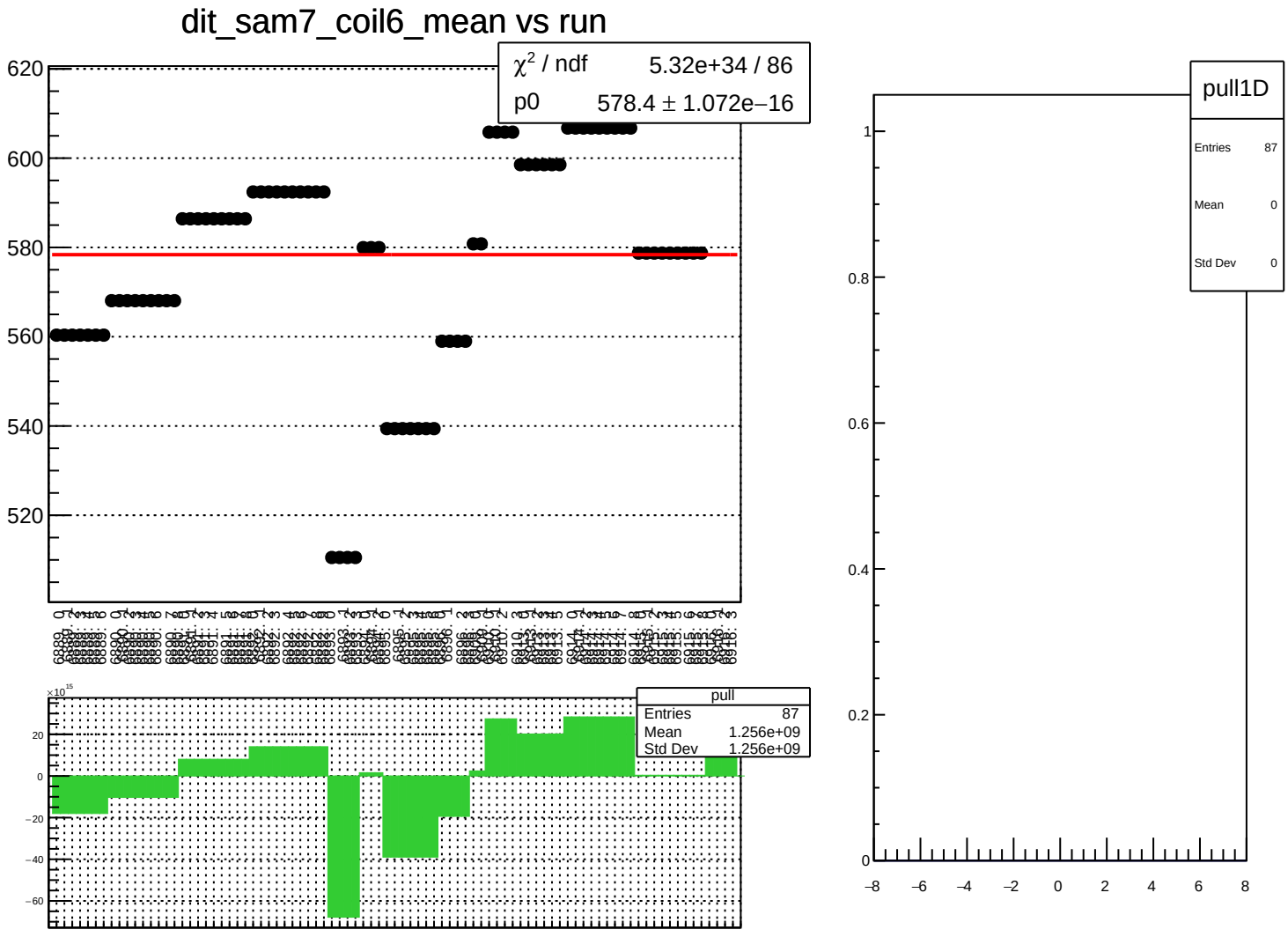

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil6_mean vs run
χ^2 / ndf 3.495e+37 / 86
p0 −1182 ± 1.072e−16
−600
−800
−1000
−1200
−1400
−1600
−1800
−2000
pull
Entries 87
Mean 1.68e+10
Std Dev 1.68e+10
×10^15
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

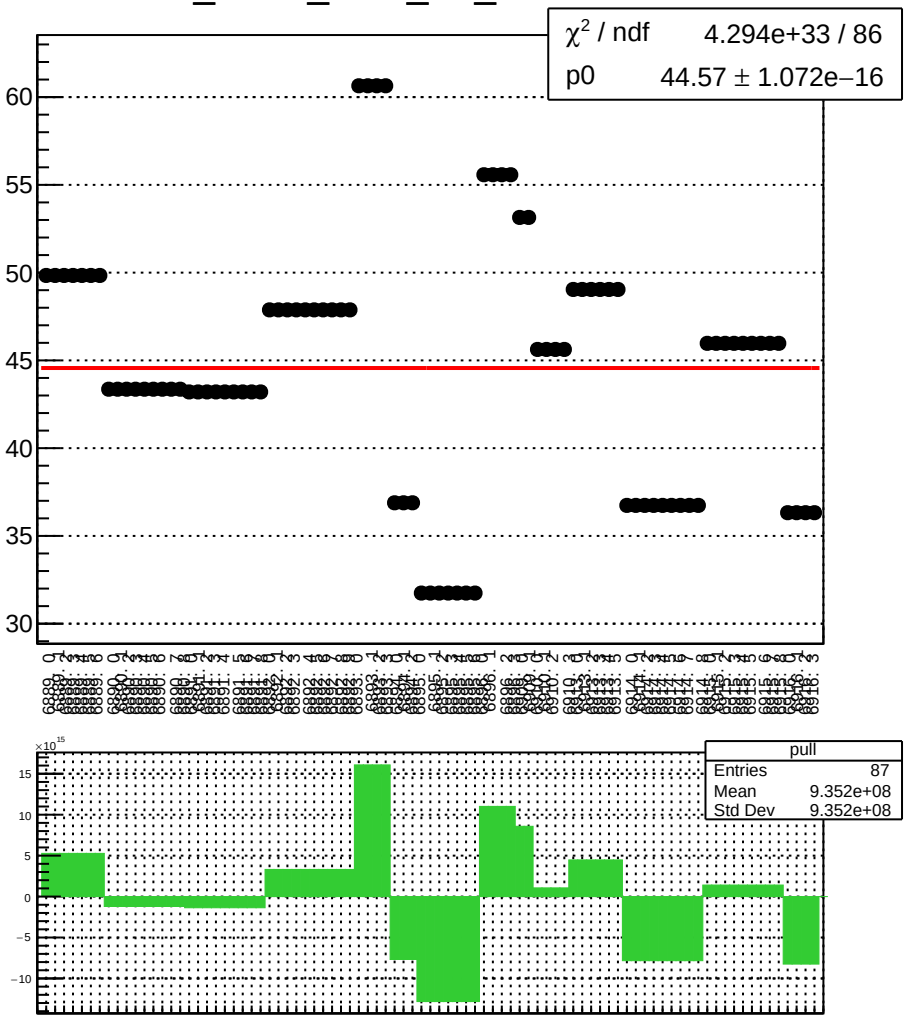

dit_sam6_coil6_err_mean vs run
χ² / ndf 2.278e+34 / 86
p0 83.23 ± 1.072e−16
110
100
90
80
70
60
×10¹⁵
20
10
0
−10
−20
pull
Entries 87
Mean −1.192e+09
Std Dev 1.192e+09

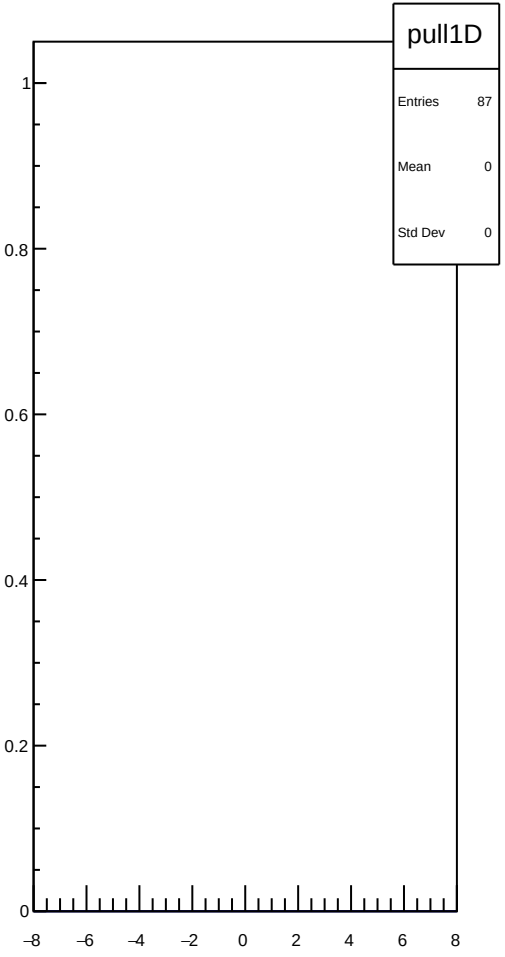

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

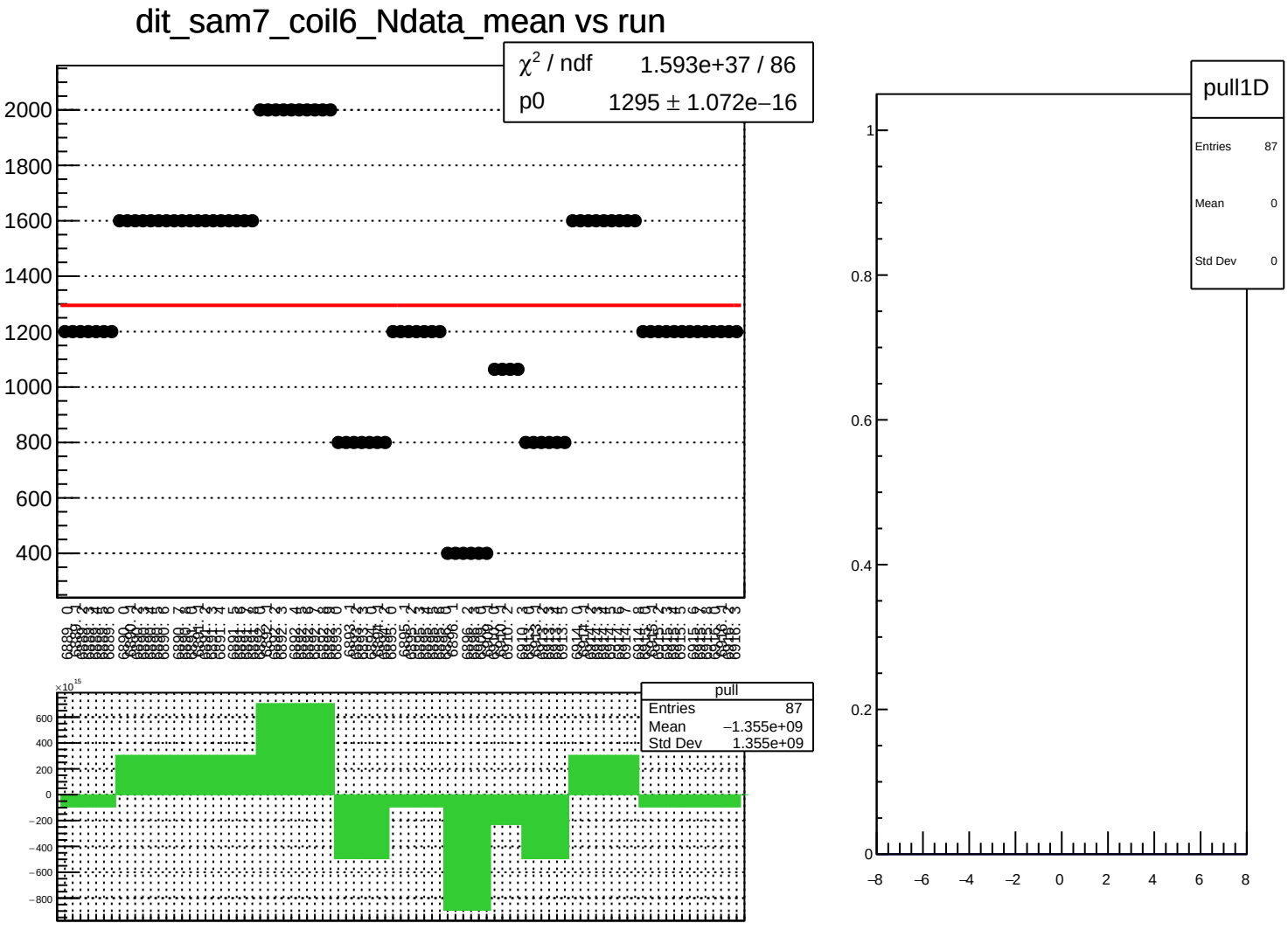

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

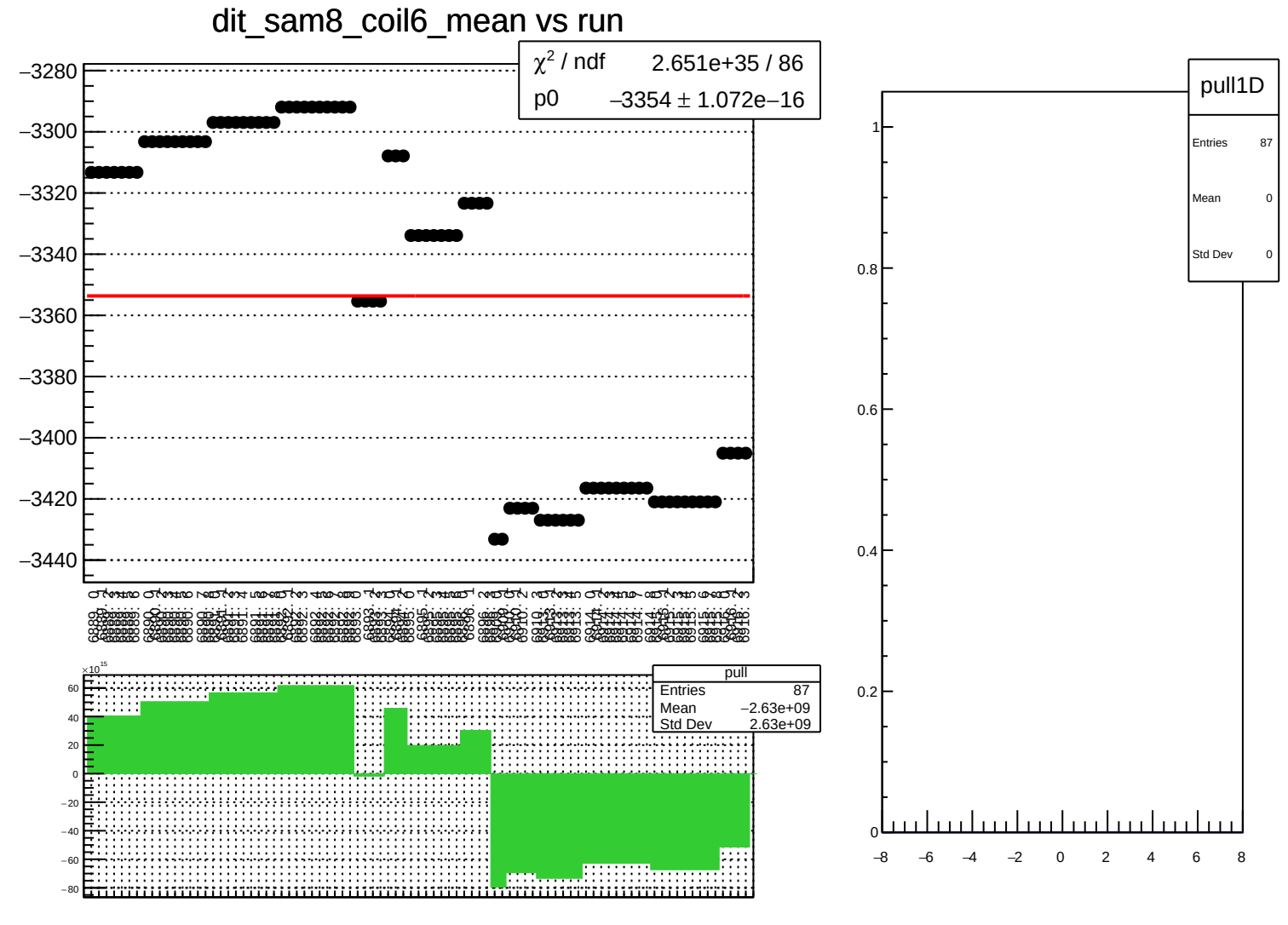

dit_sam7_coil6_mean vs run
χ^2 / ndf 5.32e+34 / 86
p0 578.4 ± 1.072e−16
620
600
580
560
540
520
pull
Entries 87
Mean 1.256e+09
Std Dev 1.256e+09
×10^15
20
0
−20
−40
−60
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

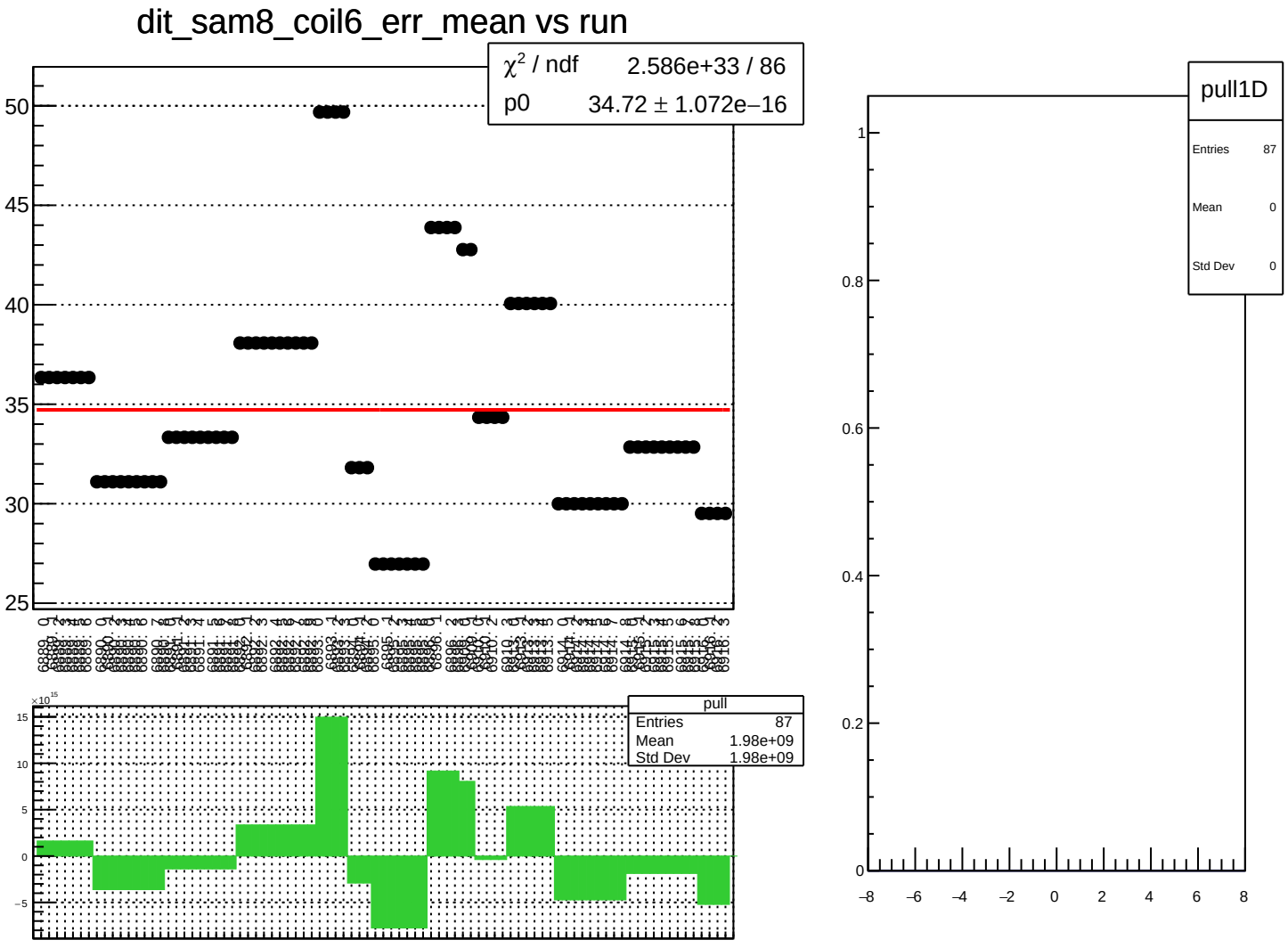
dit_sam7_coil6_err_mean vs run

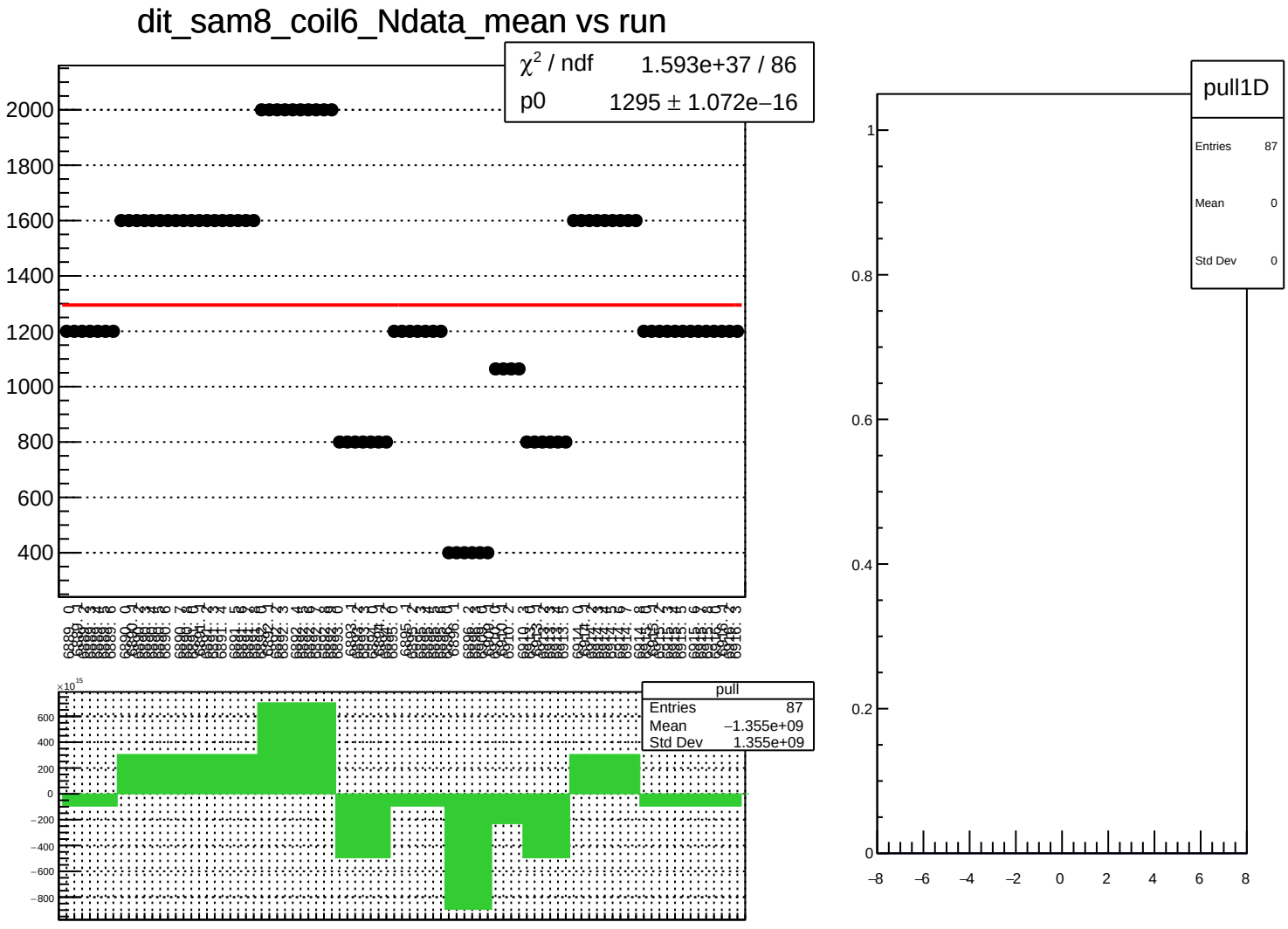


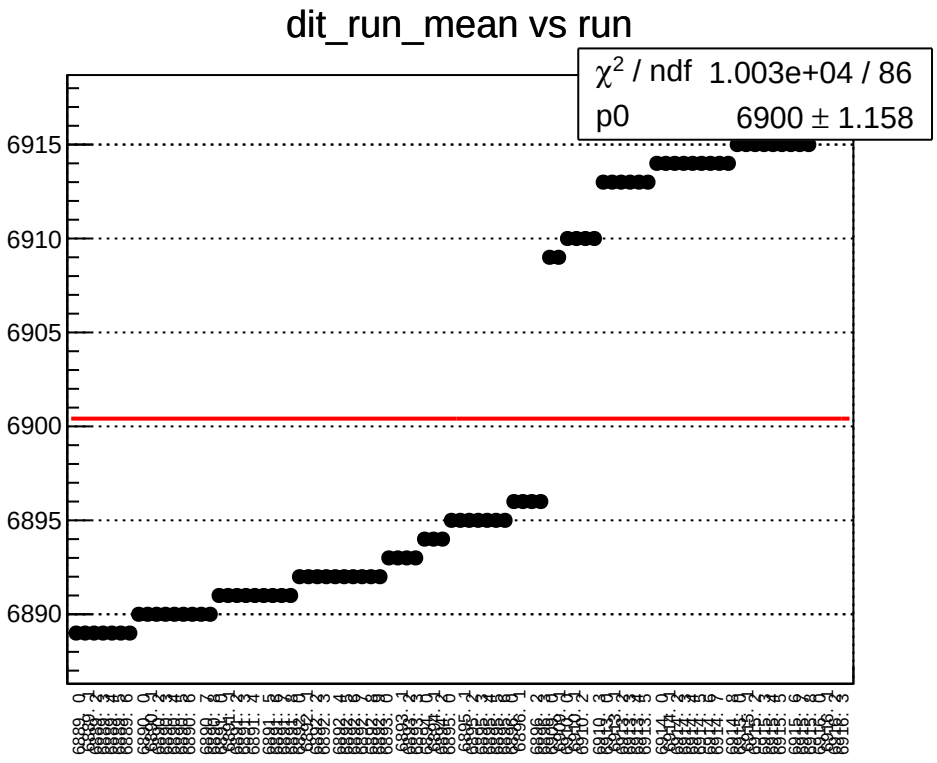


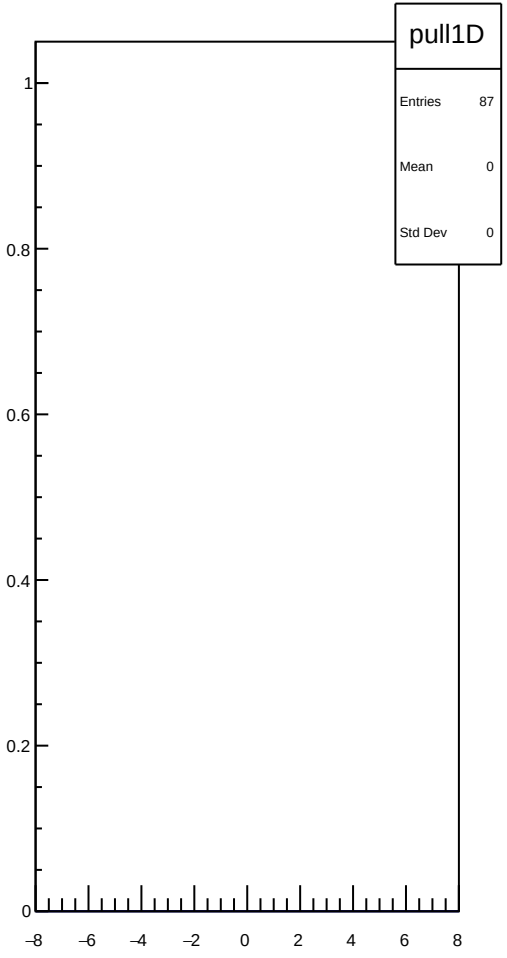

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

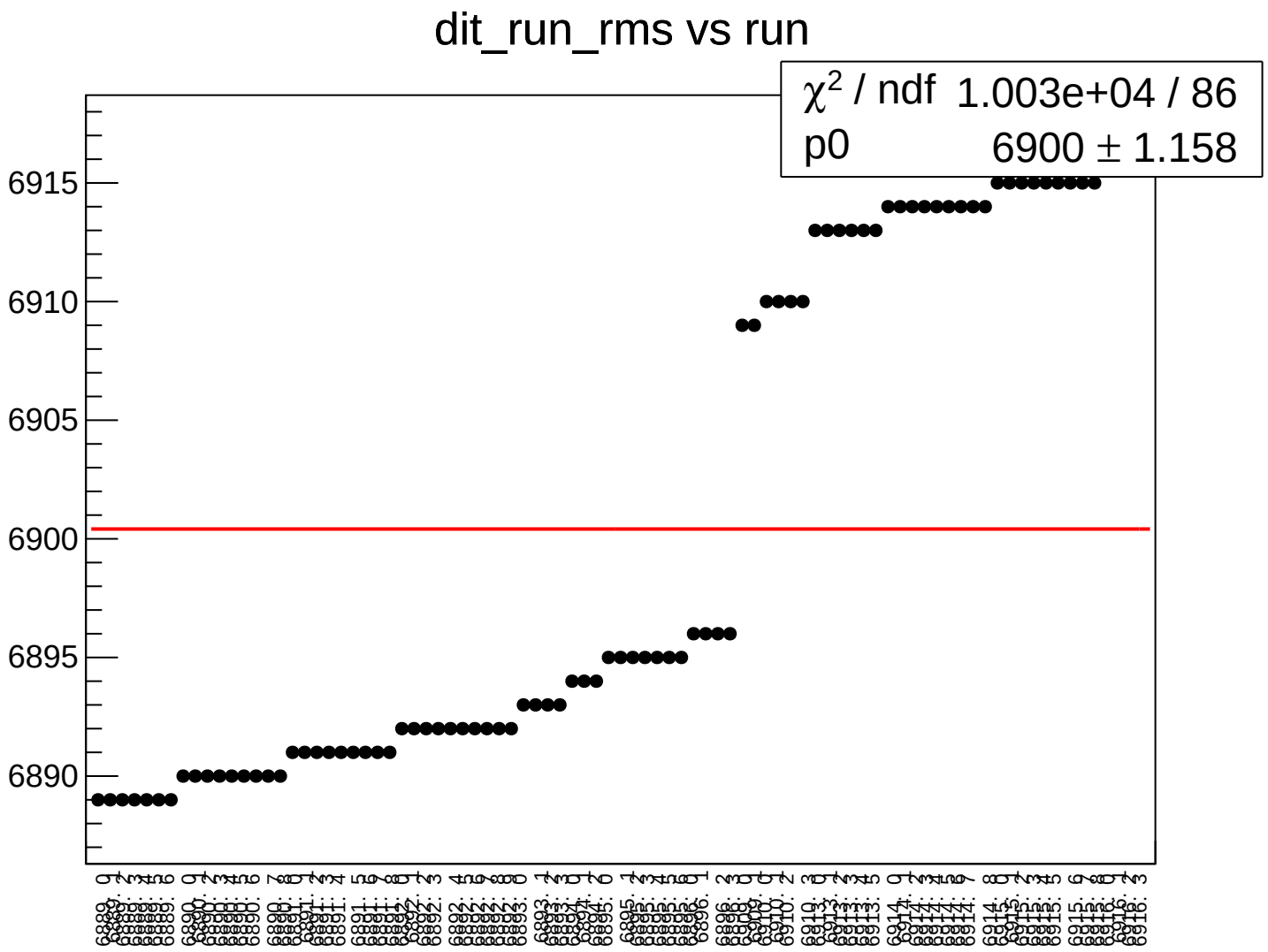

dit_sam8_coil6_mean vs run
χ² / ndf 2.651e+35 / 86
p0 −3354 ± 1.072e−16
pull
Entries 87
Mean −2.63e+09
Std Dev 2.63e+09
pull1D
Entries 87
Mean 0
Std Dev 0

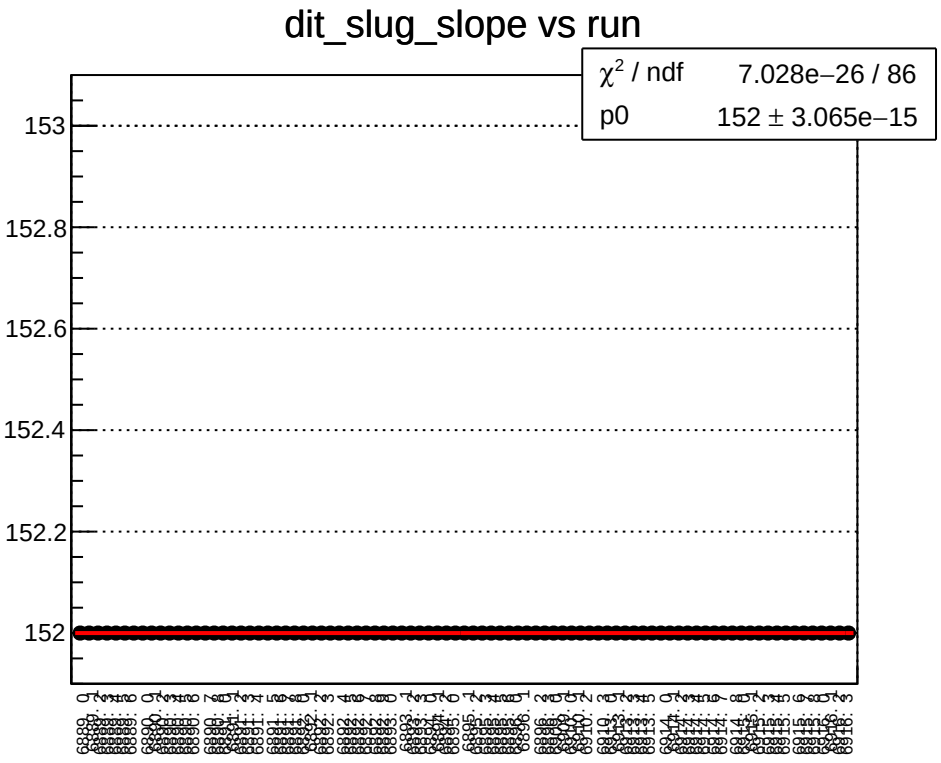

dit_sam8_coil6_err_mean vs run
χ² / ndf 2.586e+33 / 86
p0 34.72 ± 1.072e−16
pull
Entries 87
Mean 1.98e+09
Std Dev 1.98e+09
pull1D
Entries 87
Mean 0
Std Dev 0

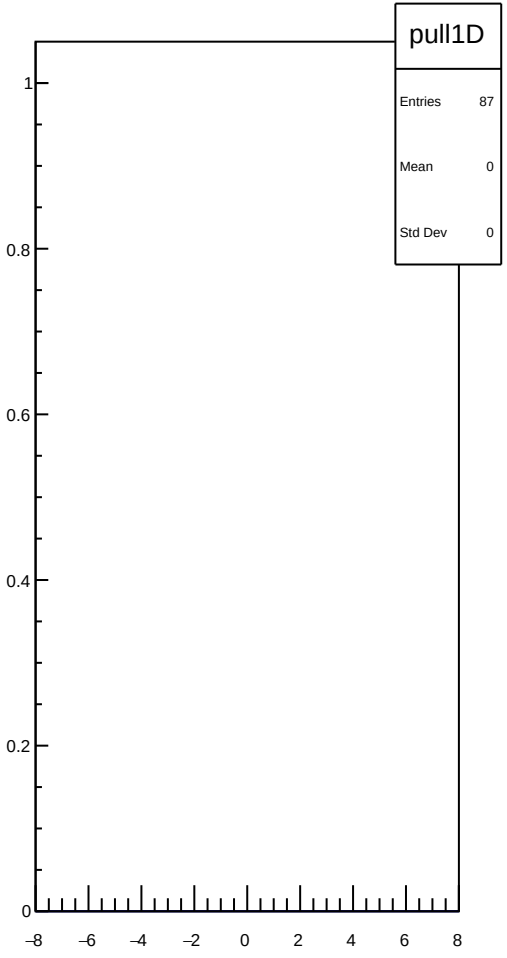

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.593e+37 / 86
p0 1295 ± 1.072e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 87
Mean −1.355e+09
Std Dev 1.355e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

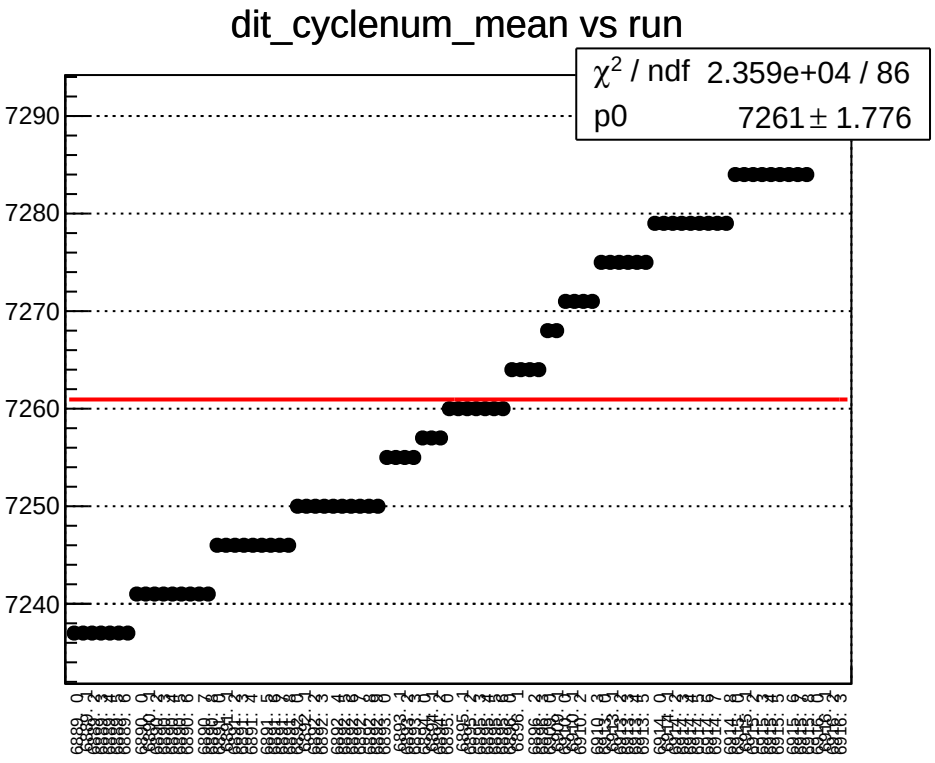

dit_run_mean vs run
χ^2 / ndf 1.003e+04 / 86
p0 6900 ± 1.158
6915
6910
6905
6900
6895
6890

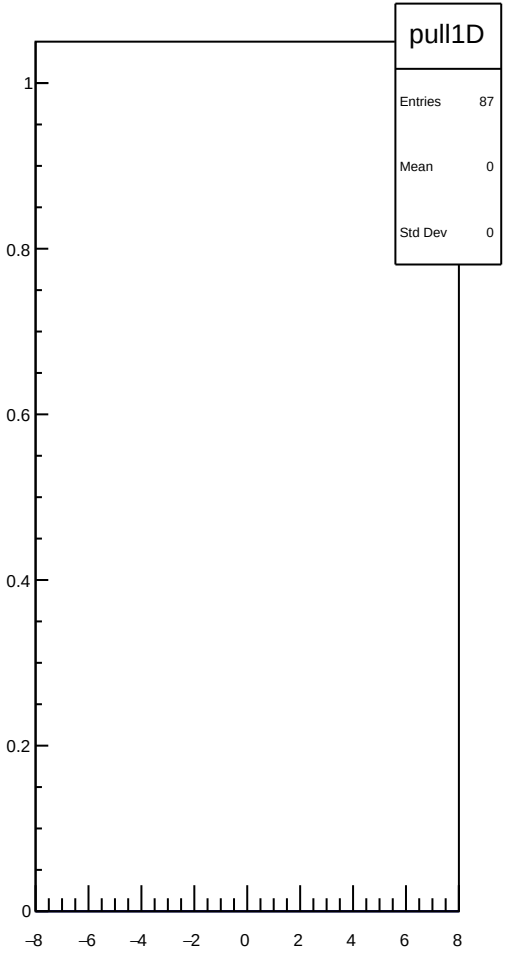

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

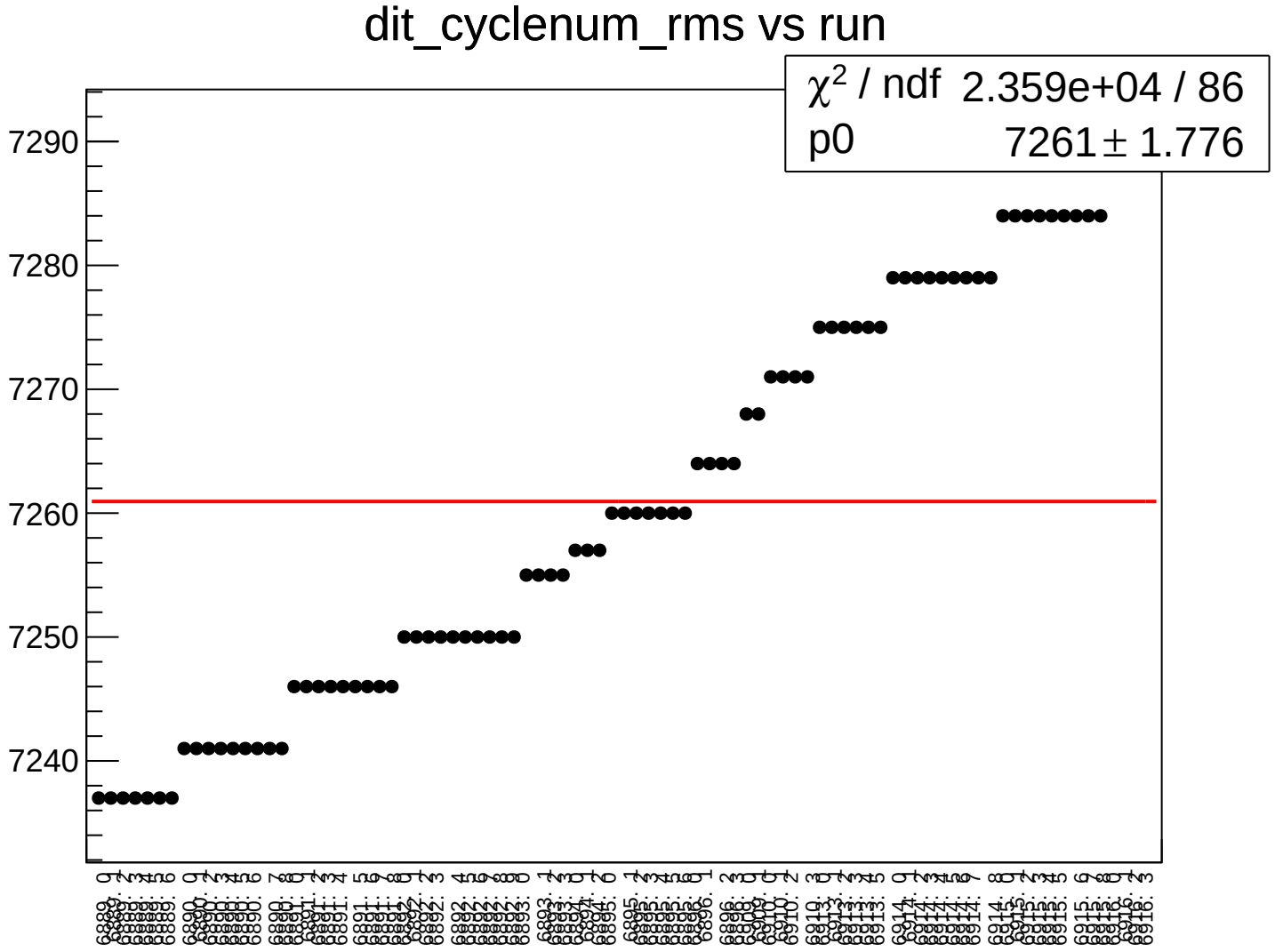

dit_run_rms vs run
χ² / ndf 1.003e+04 / 86
p0 6900 ± 1.158
6915
6910
6905
6900
6895
6890

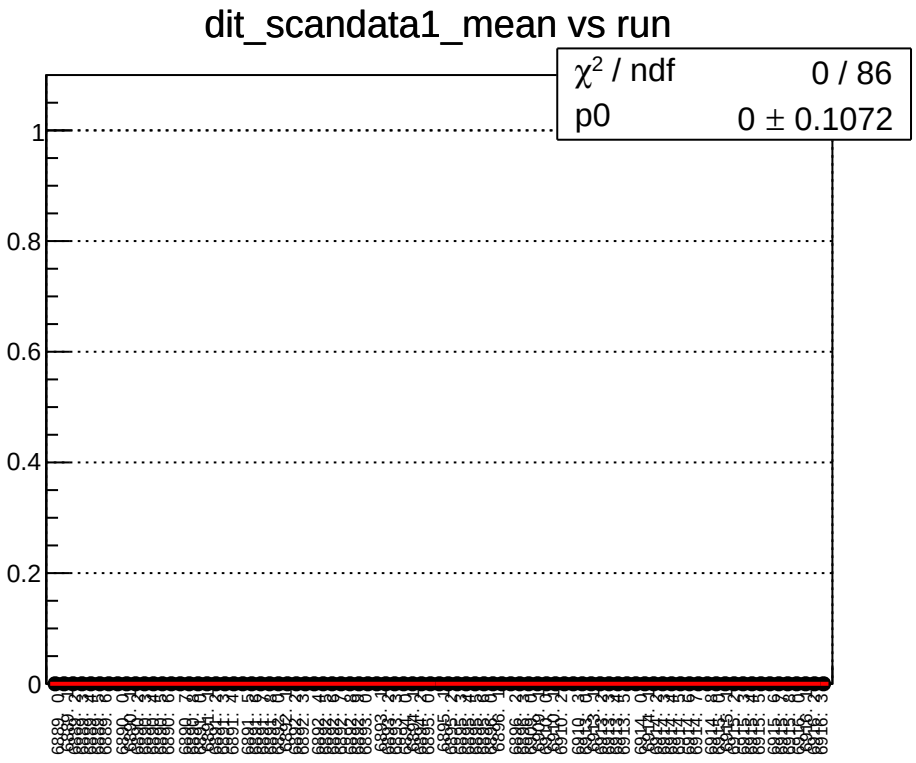

dit_slug_slope vs run
χ^2 / ndf 7.028e−26 / 86
p0 152 ± 3.065e−15
153
152.8
152.6
152.4
152.2
152

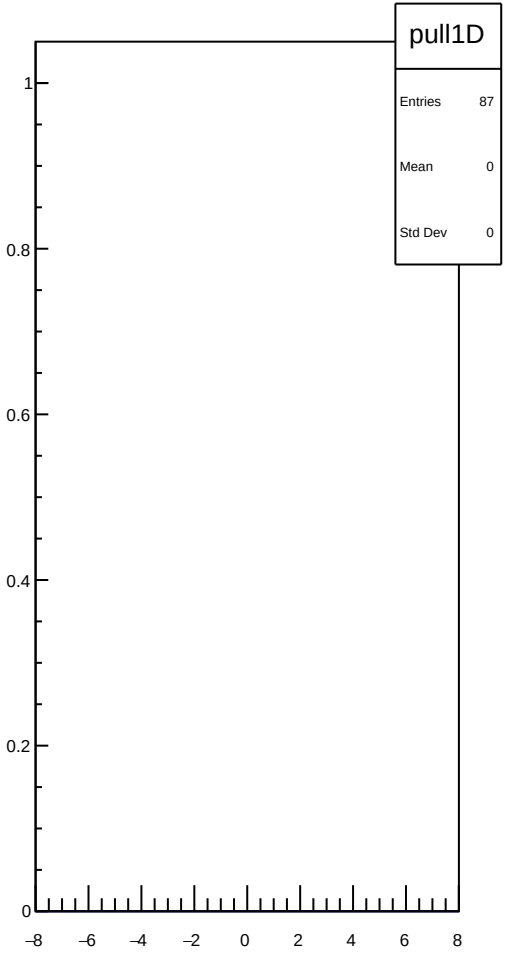

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 2.359e+04 / 86
p0 7261 ± 1.776
7290
7280
7270
7260
7250
7240

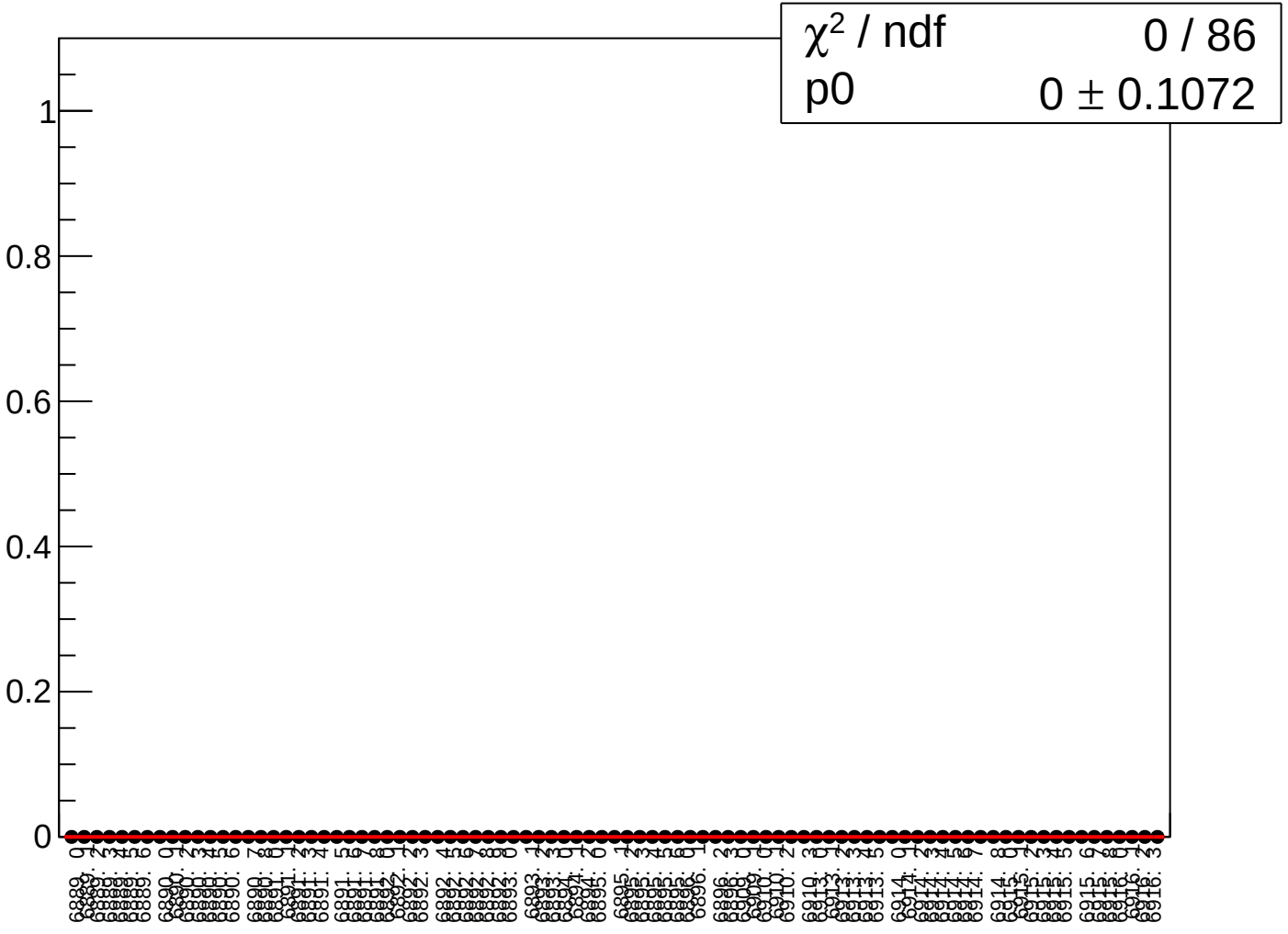

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

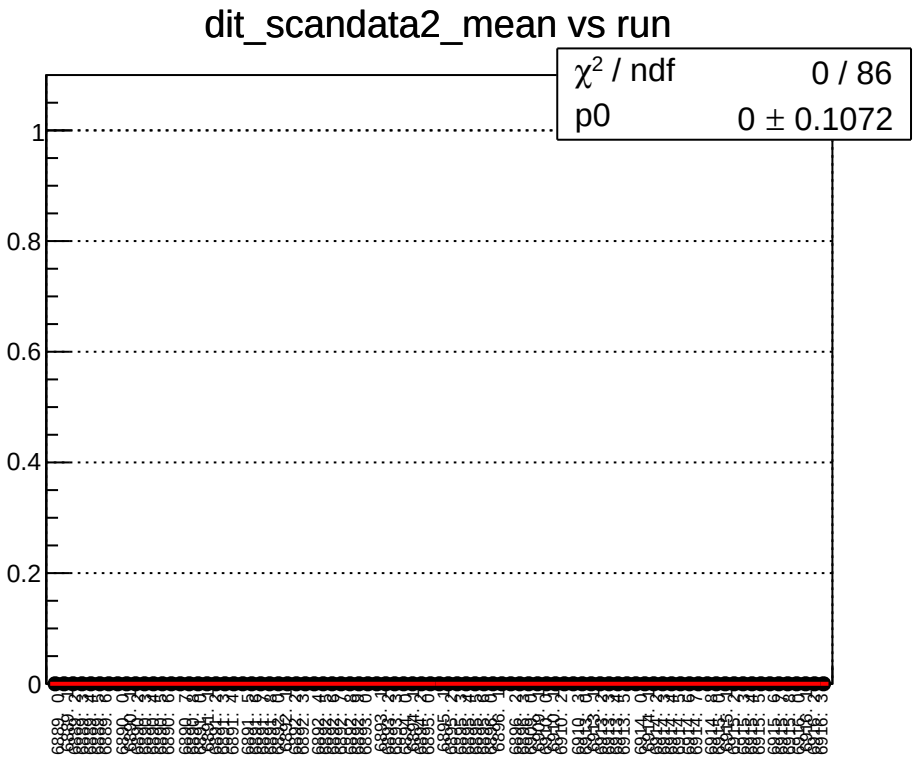

dit_cyclenum_rms vs run
χ^2 / ndf 2.359e+04 / 86
p0 7261 ± 1.776
7290
7280
7270
7260
7250
7240

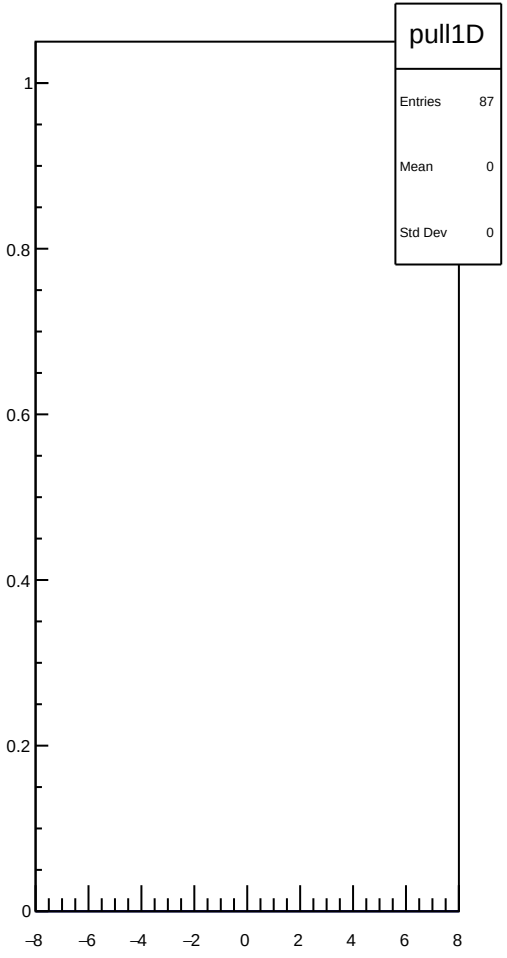

dit_scandata1_mean vs run
χ^2 / ndf 0 / 86
p0 0 ± 0.1072
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

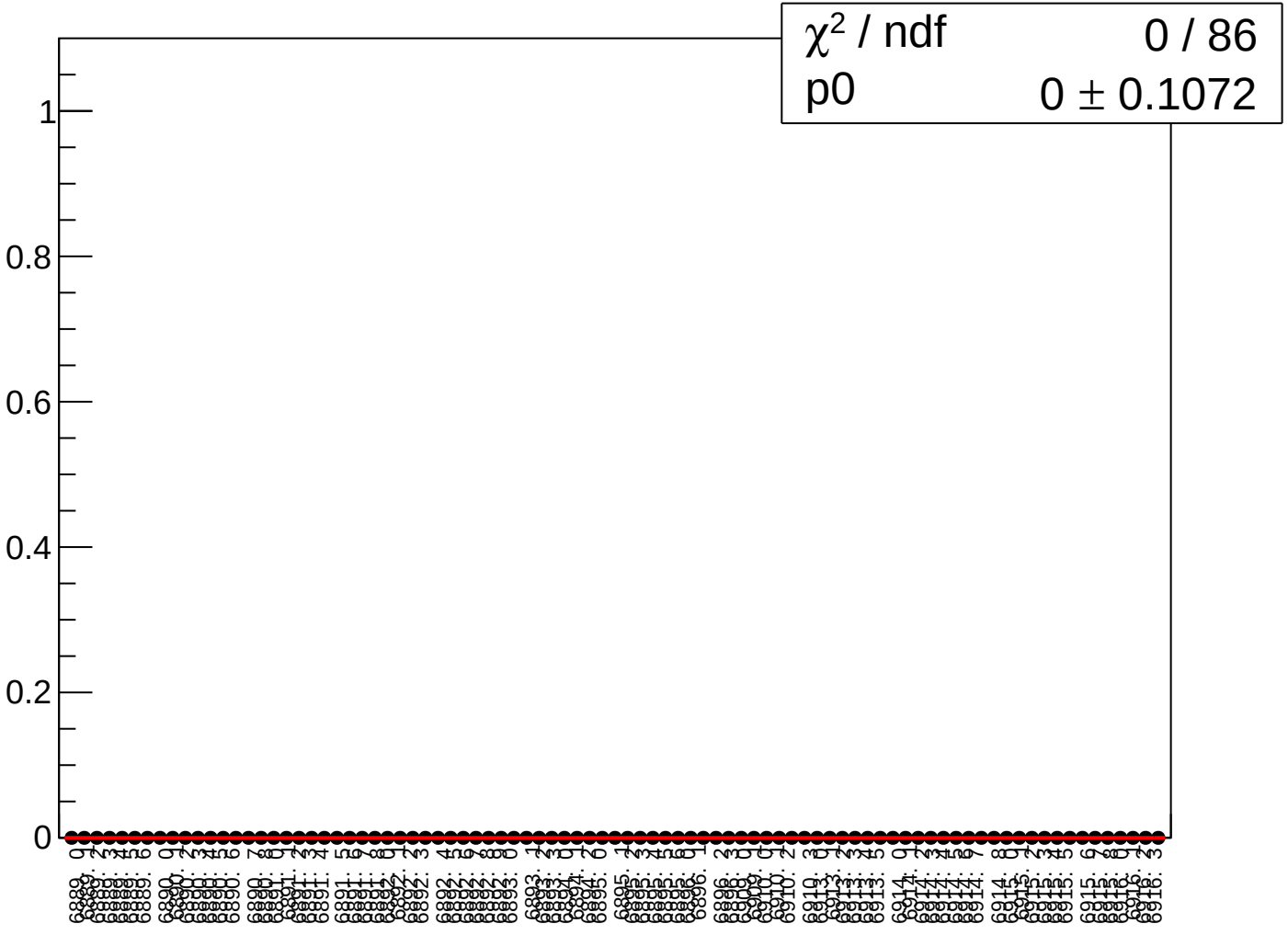
dit_scandata1_rms vs run

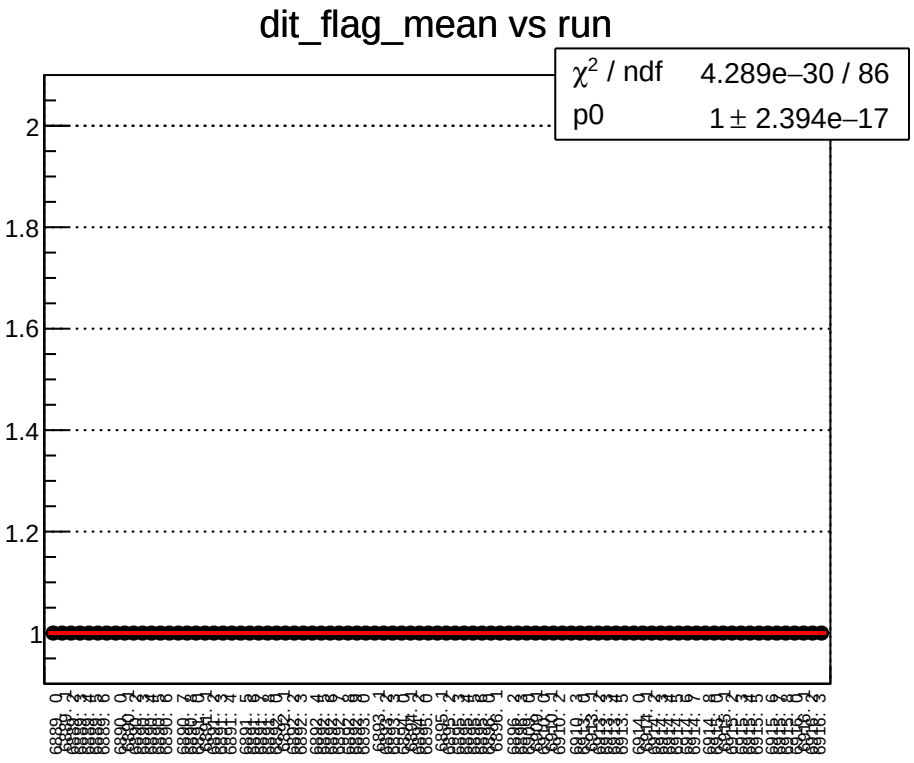


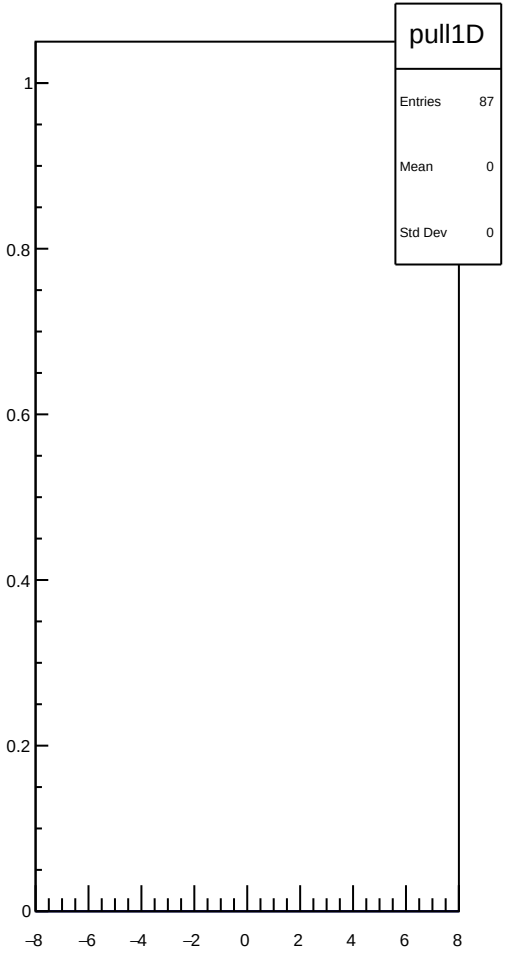

dit_scandata2_mean vs run
χ^2 / ndf 0 / 86
p0 0 ± 0.1072
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

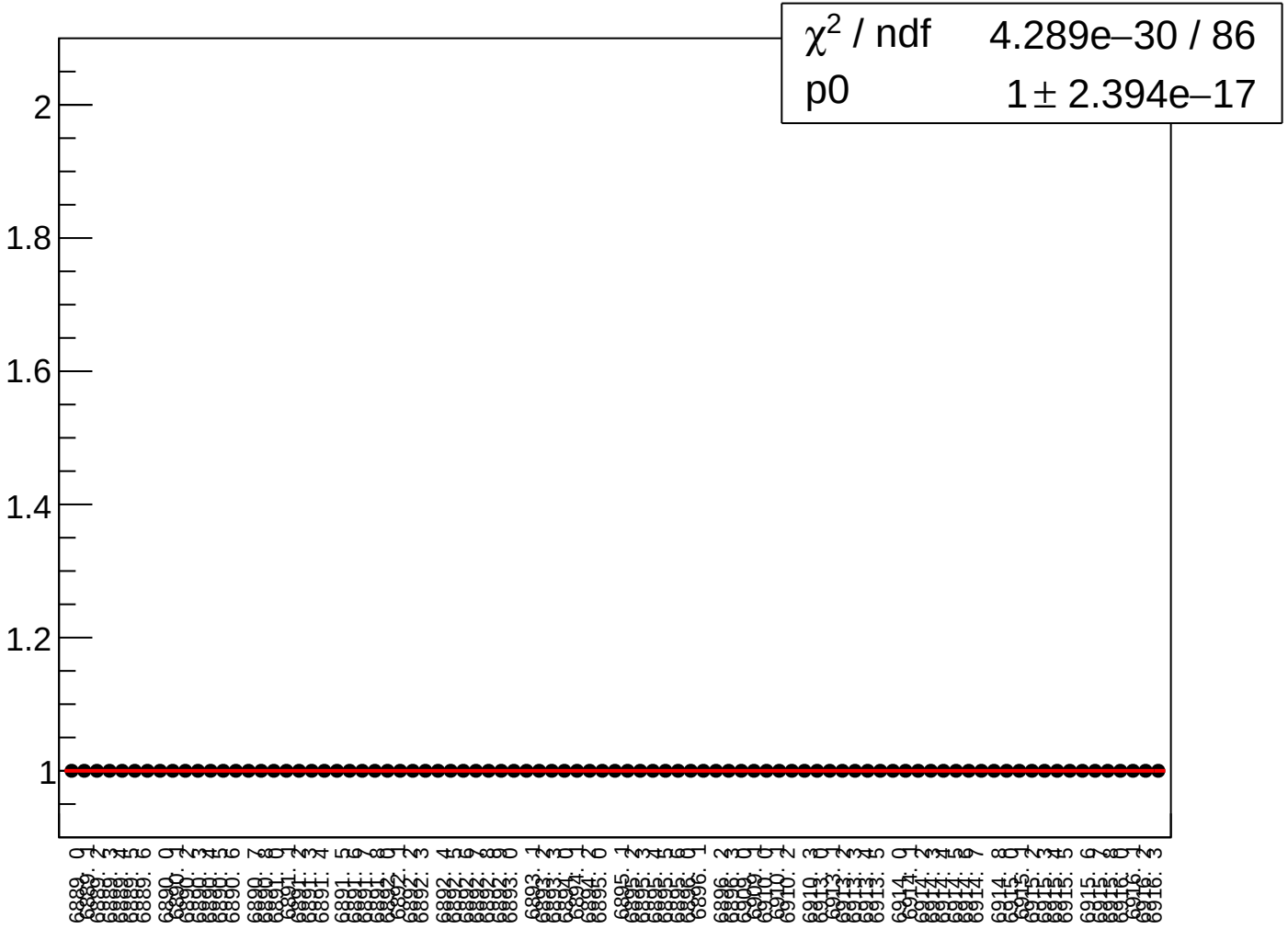
dit_scandata2_rms vs run

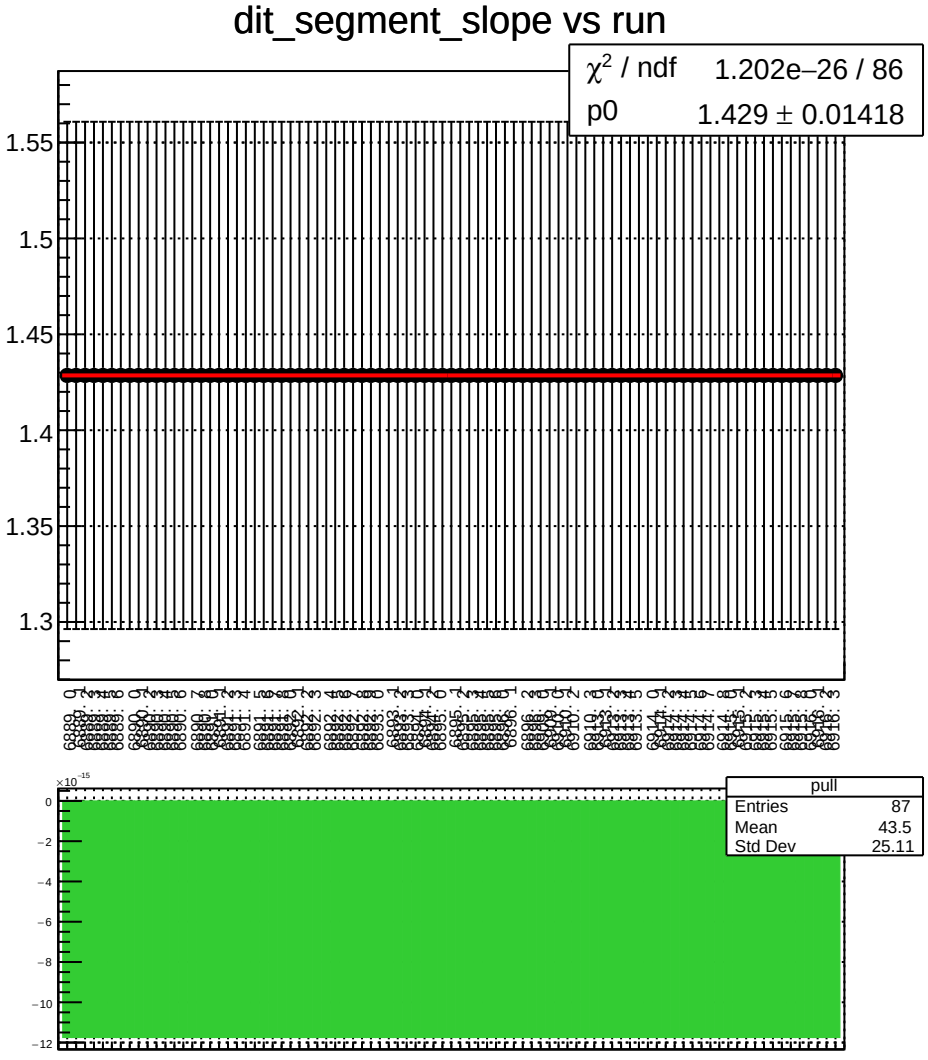


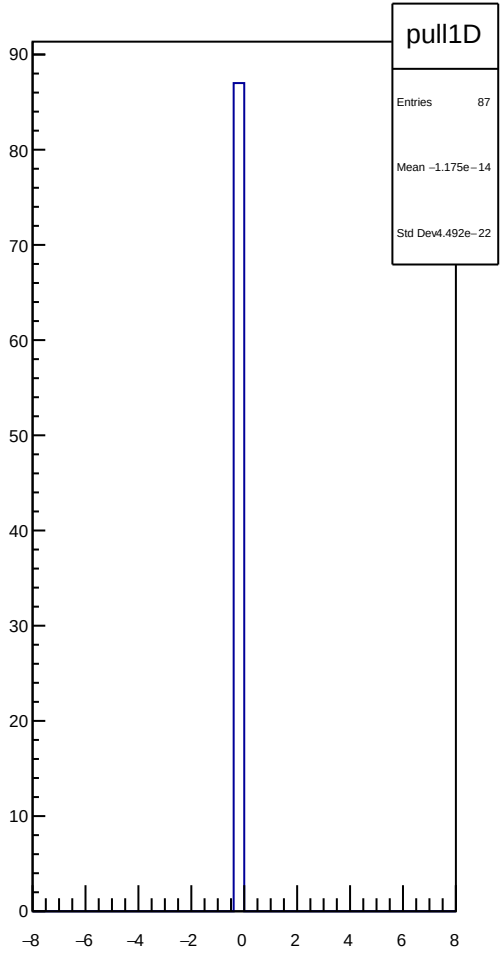

dit_flag_mean vs run
χ^2 / ndf 4.289e−30 / 86
p0 1 ± 2.394e−17
2
1.8
1.6
1.4
1.2
1

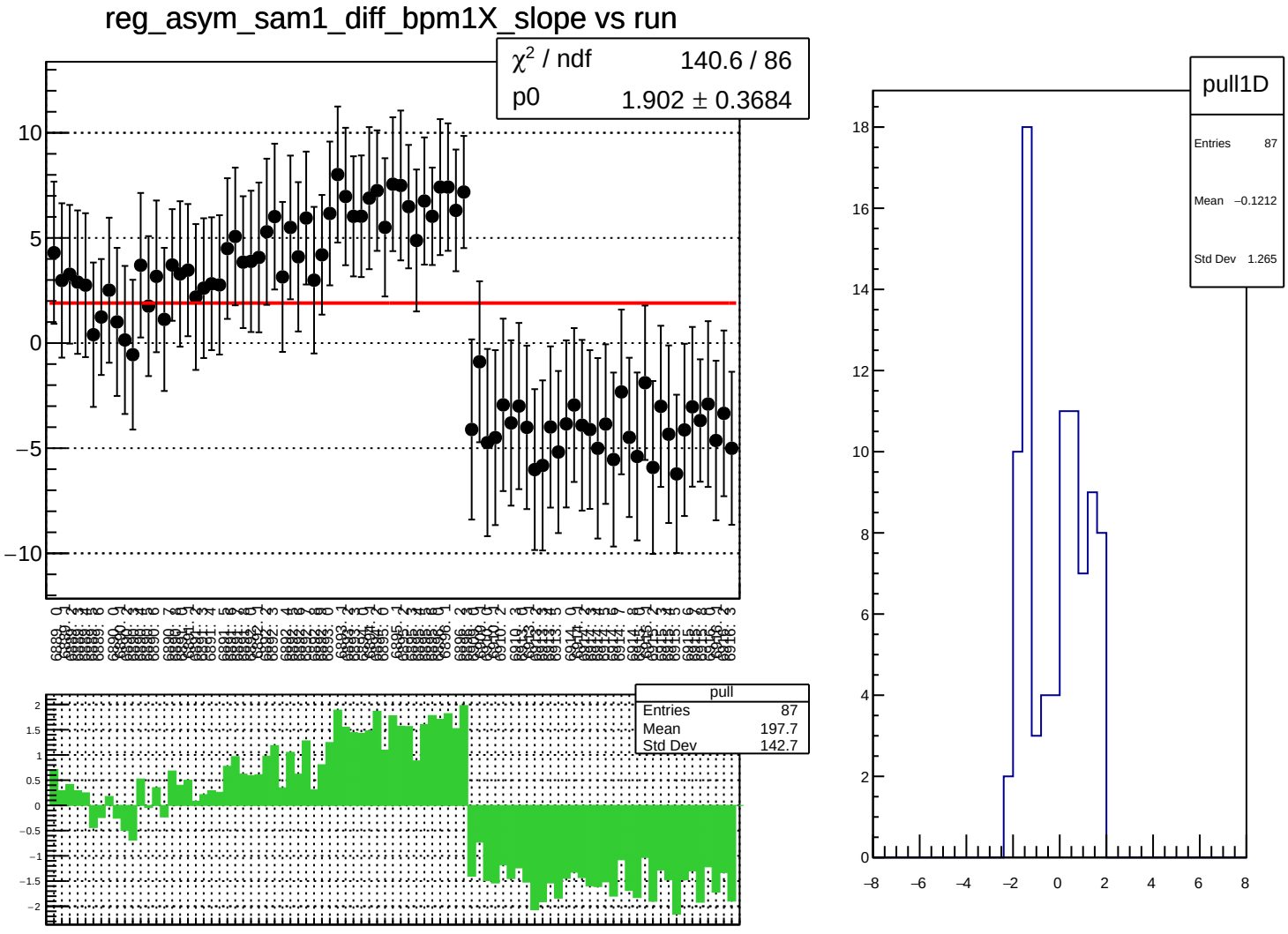

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

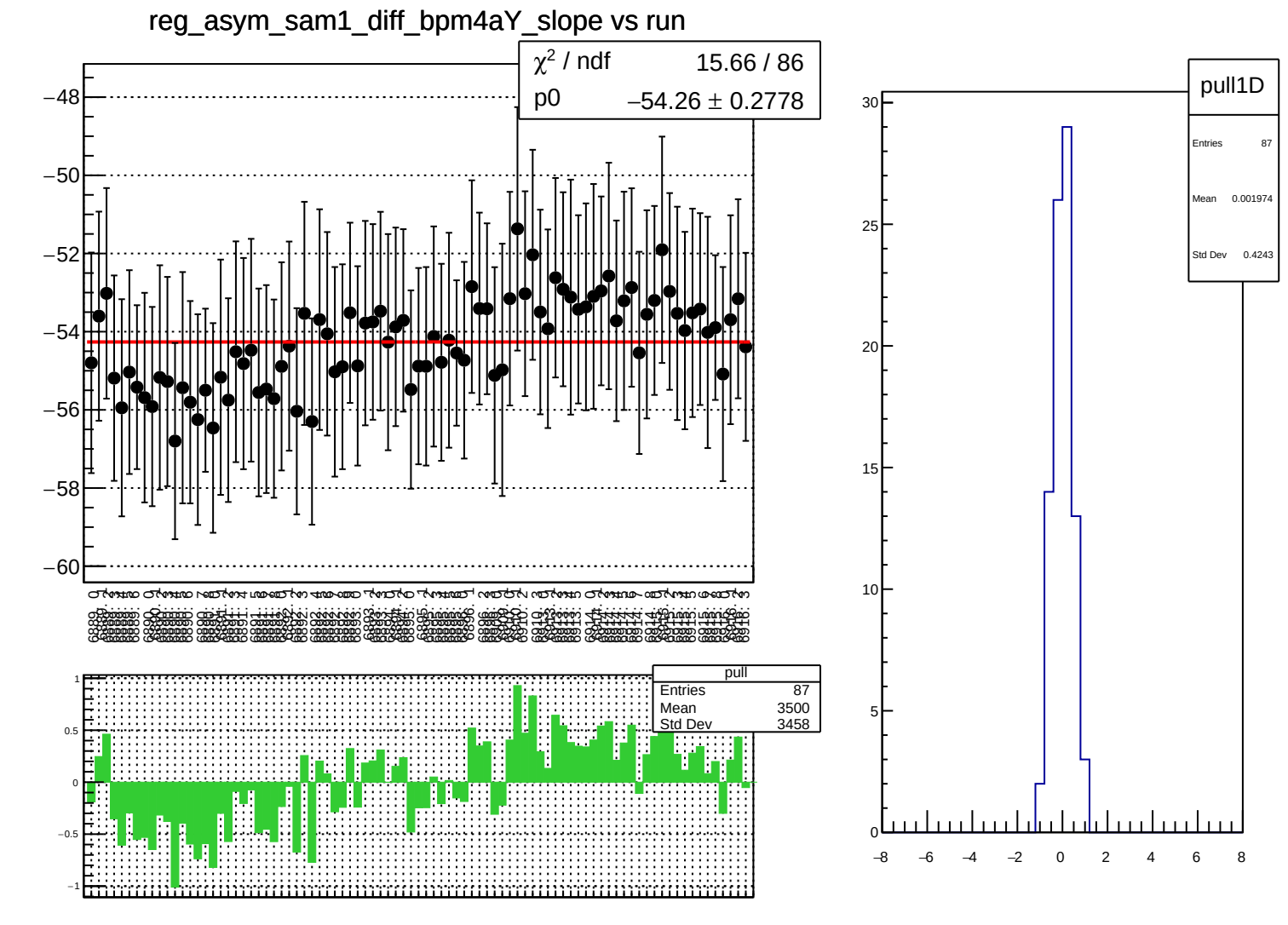
dit_flag_rms vs run

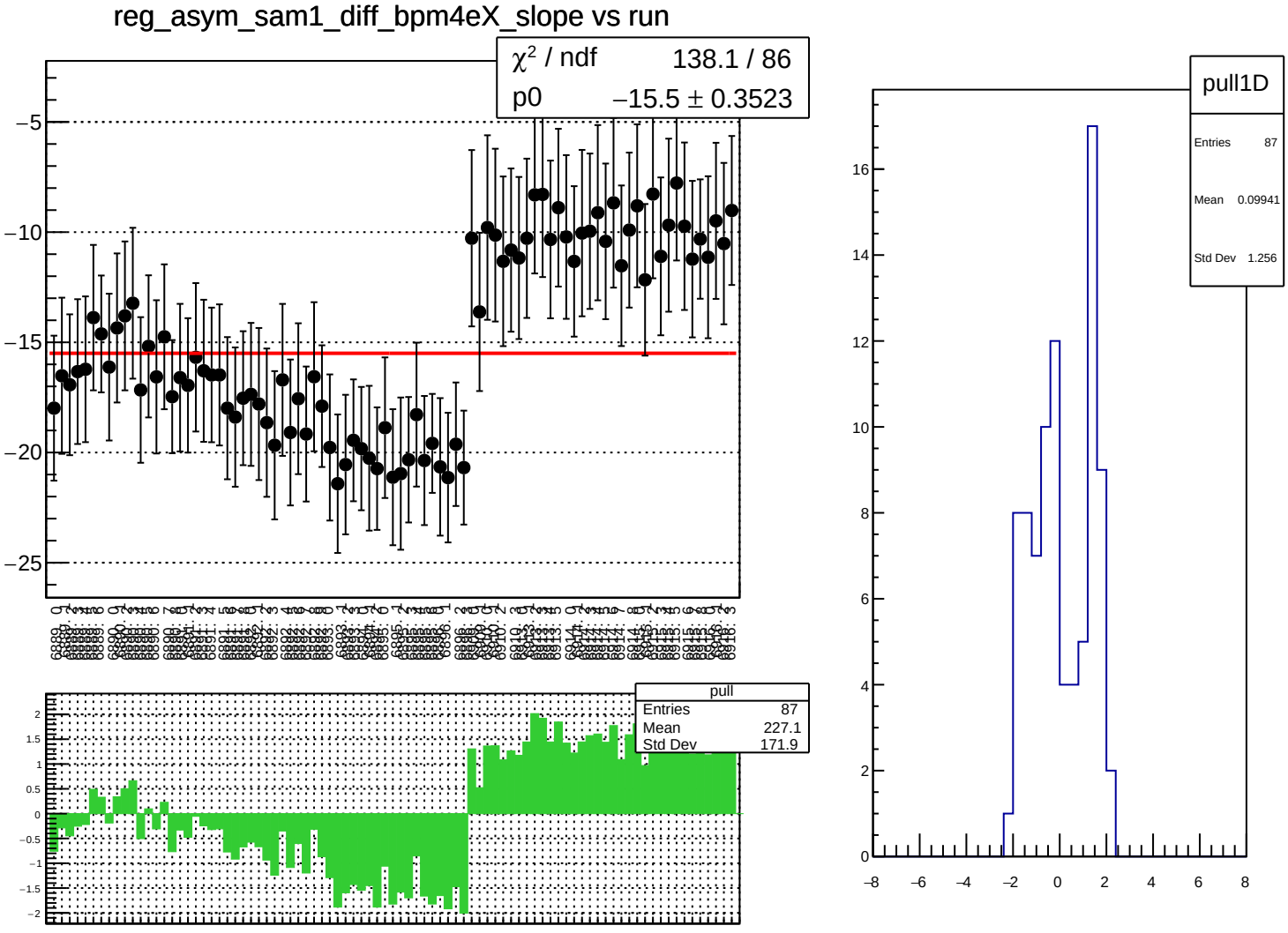


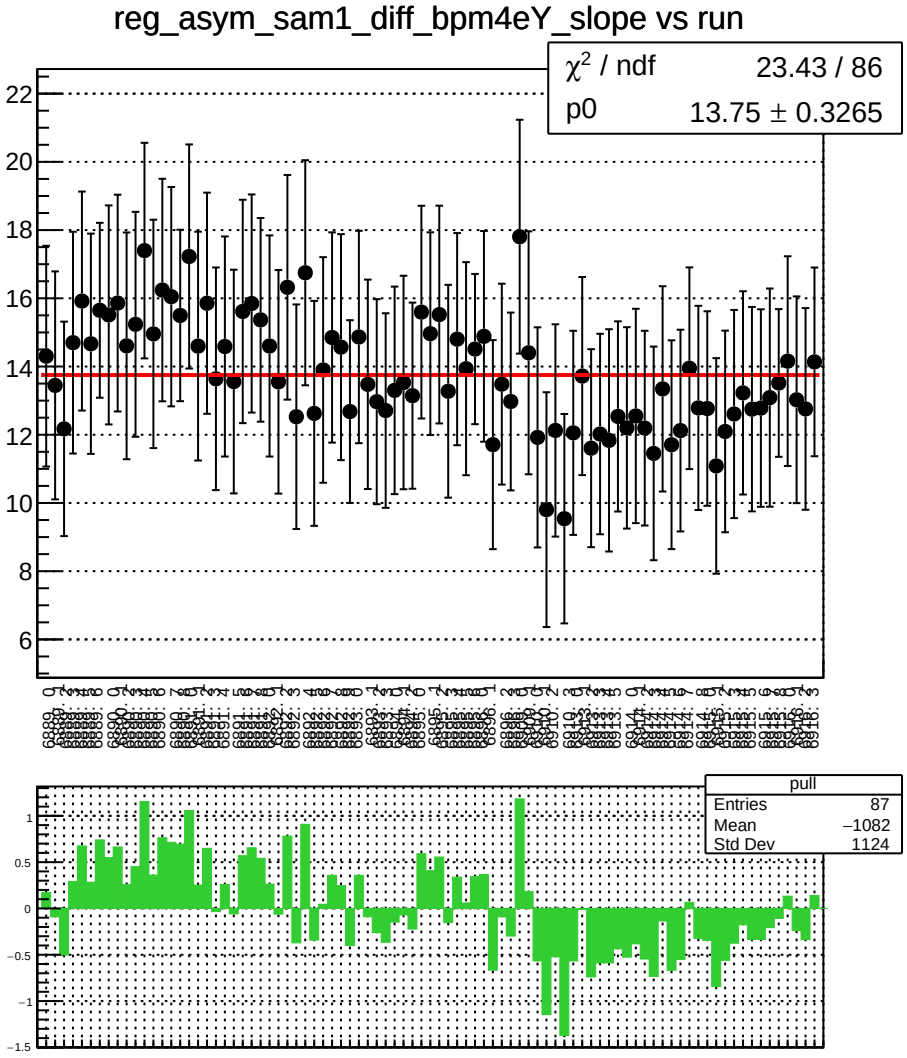

dit_segment_slope vs run
χ^2 / ndf 1.202e−26 / 86
p0 1.429 ± 0.01418
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
0
−2
−4
−6
−8
−10
−12

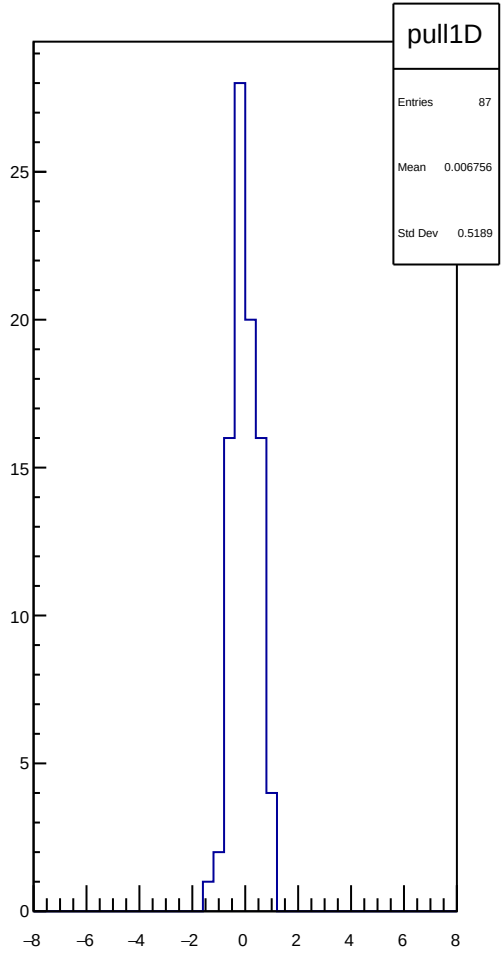

pull1D
Entries 87
Mean −1.175e−14
Std Dev4.492e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

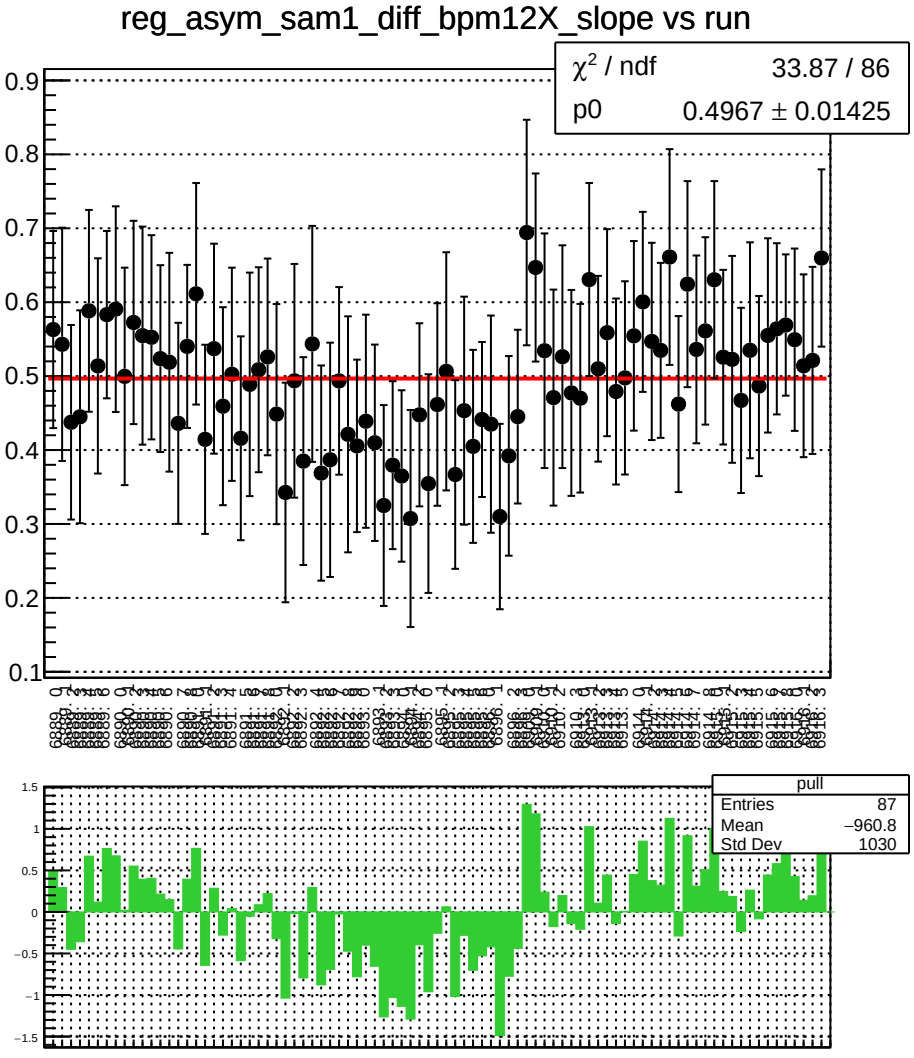

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 140.6 / 86
p0 1.902 ± 0.3684
pull
Entries 87
Mean 197.7
Std Dev 142.7
pull1D
Entries 87
Mean −0.1212
Std Dev 1.265

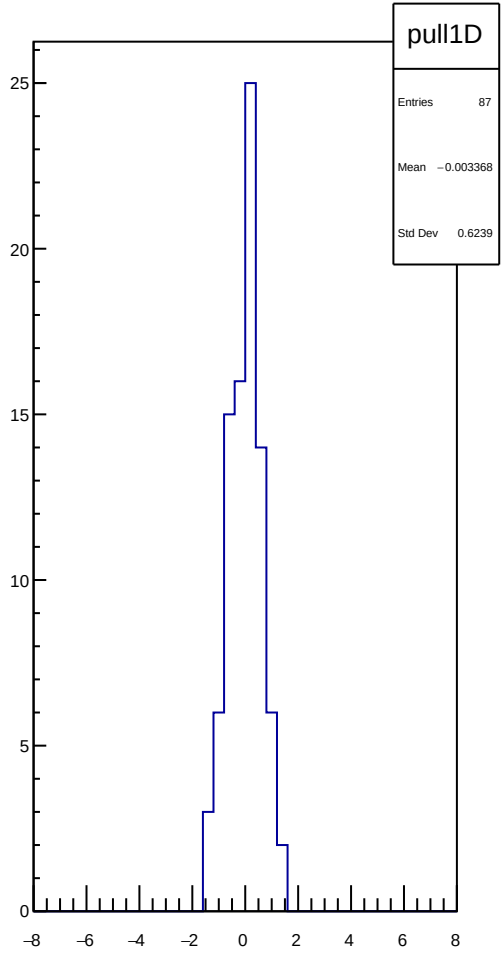

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 15.66 / 86
p0 −54.26 ± 0.2778
pull
Entries 87
Mean 3500
Std Dev 3458
pull1D
Entries 87
Mean 0.001974
Std Dev 0.4243

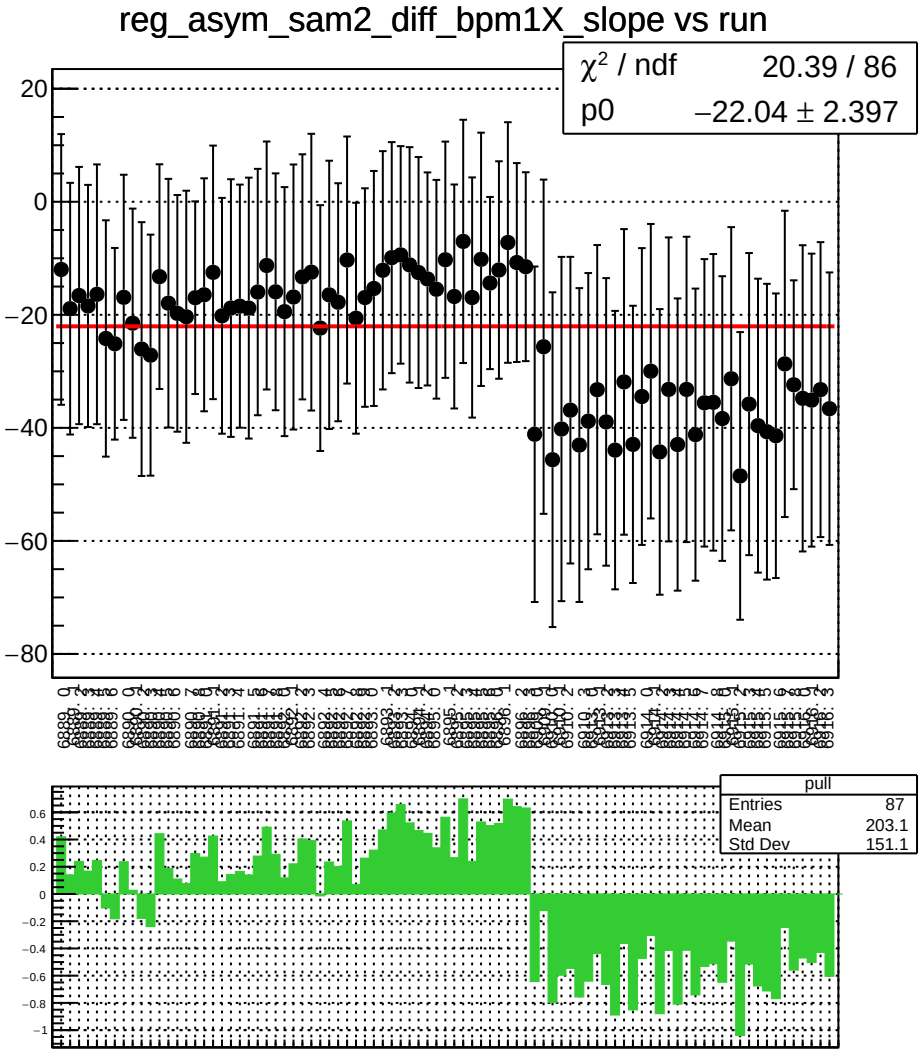

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 138.1 / 86
p0 −15.5 ± 0.3523
pull
Entries 87
Mean 227.1
Std Dev 171.9
pull1D
Entries 87
Mean 0.09941
Std Dev 1.256

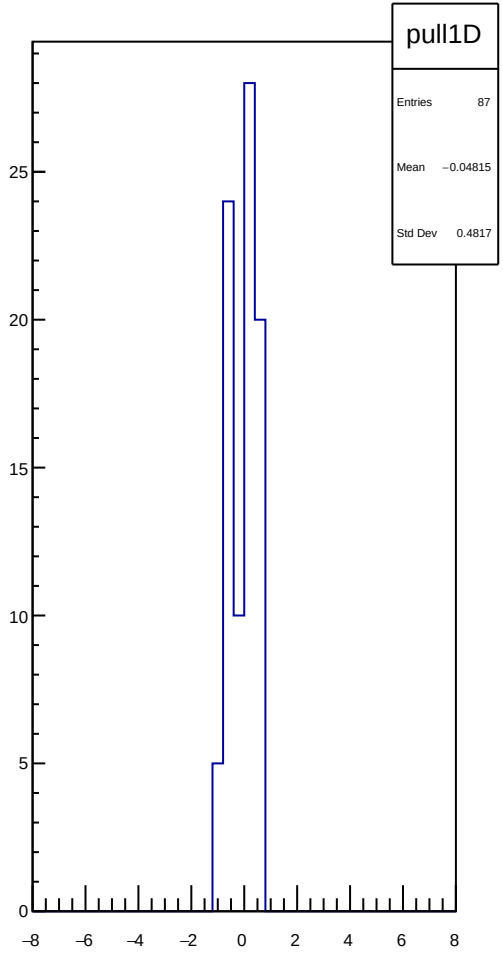

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 23.43 / 86
p0 13.75 ± 0.3265
pull
Entries 87
Mean −1082
Std Dev 1124

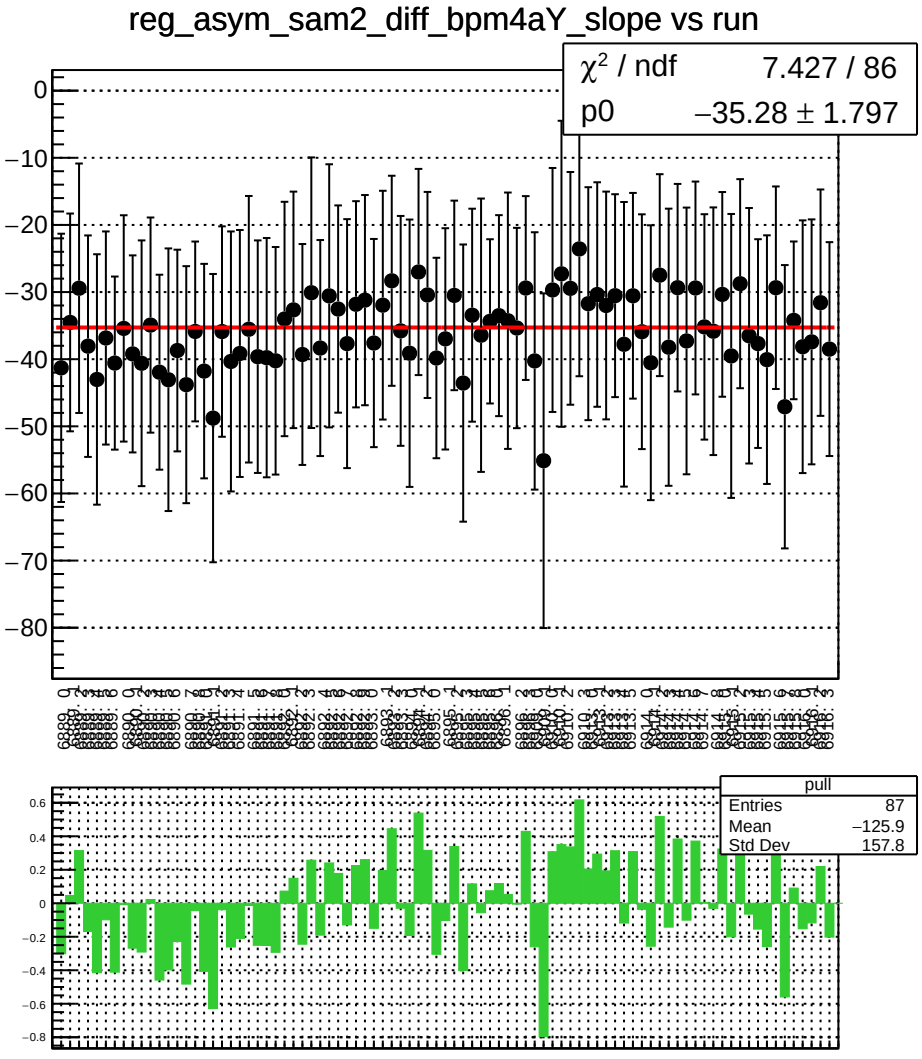

pull1D
Entries 87
Mean 0.006756
Std Dev 0.5189

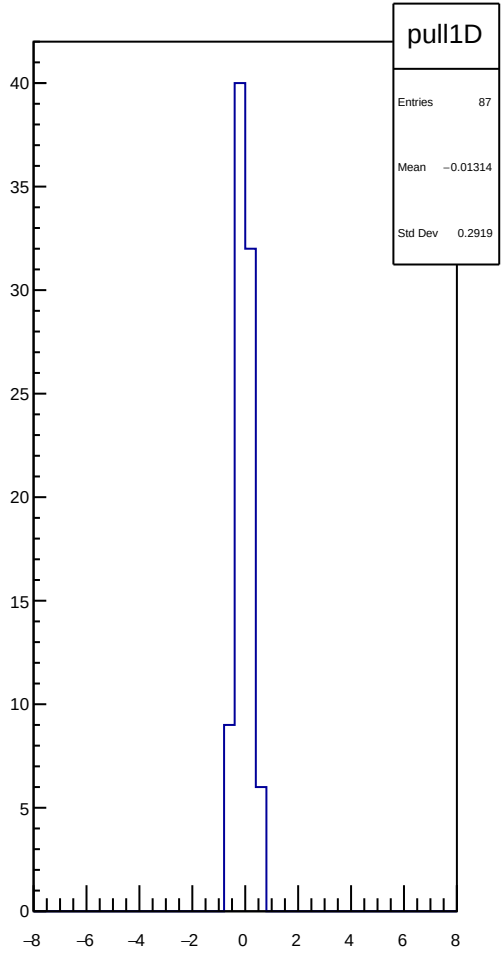

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 33.87 / 86
p0 0.4967 ± 0.01425
pull
Entries 87
Mean −960.8
Std Dev 1030

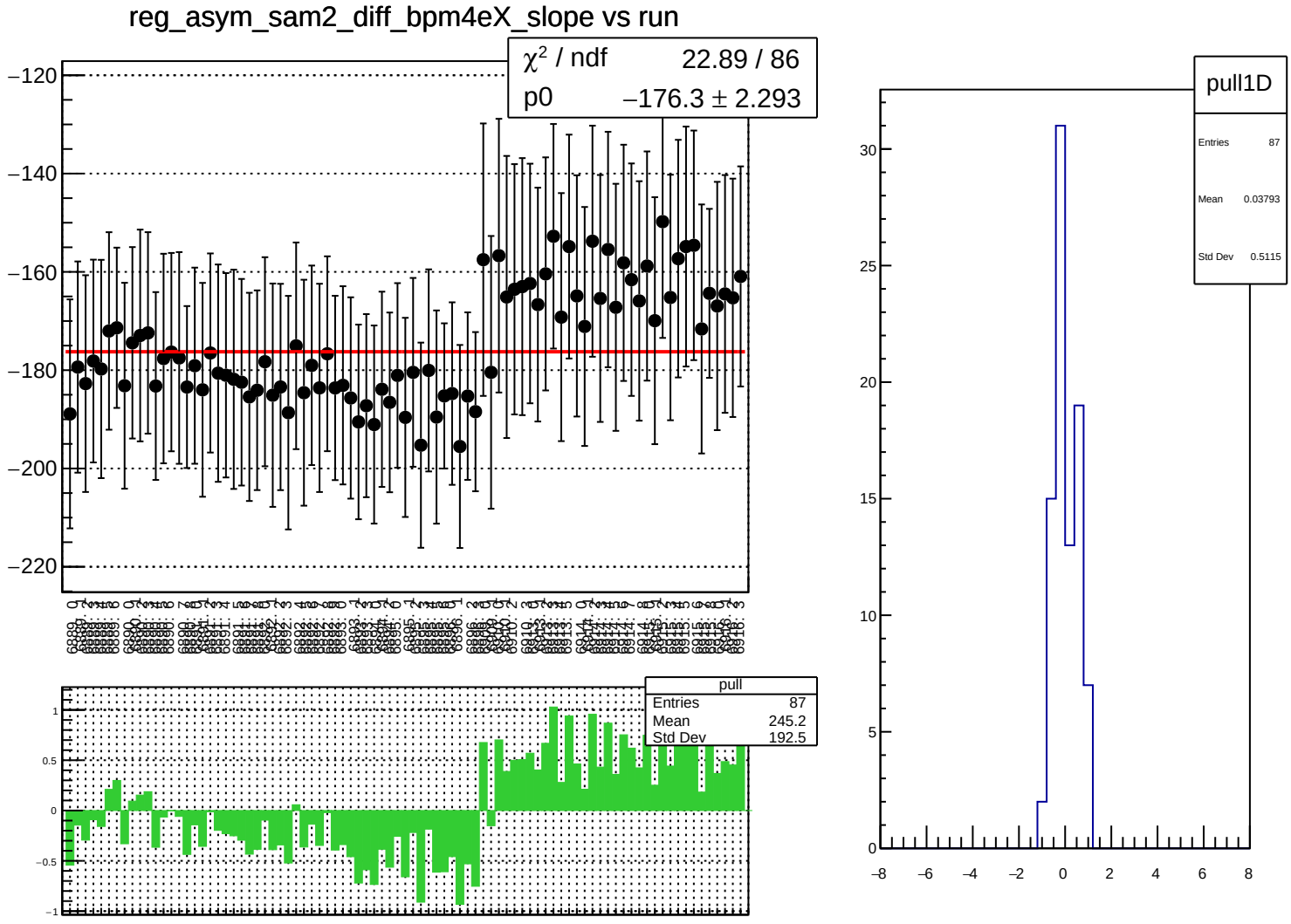

pull1D
Entries 87
Mean −0.003368
Std Dev 0.6239

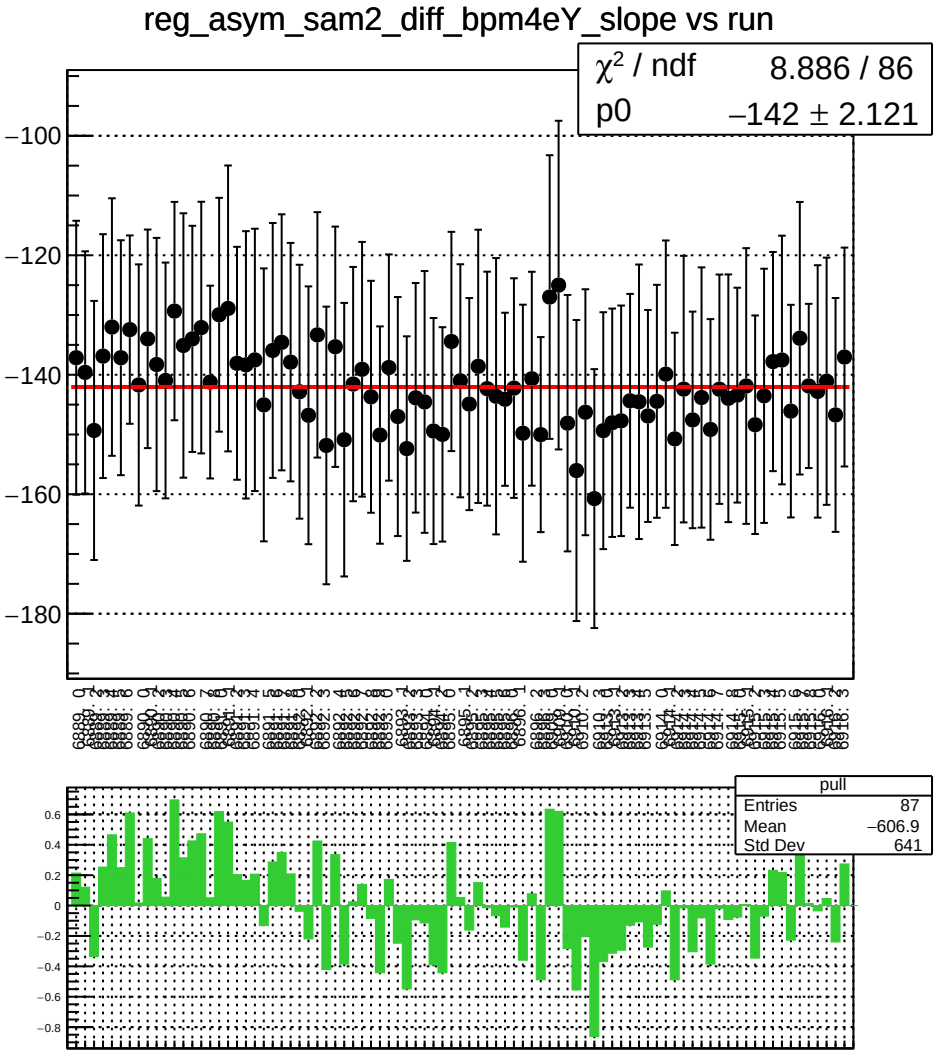

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 20.39 / 86
p0 −22.04 ± 2.397
pull
Entries 87
Mean 203.1
Std Dev 151.1

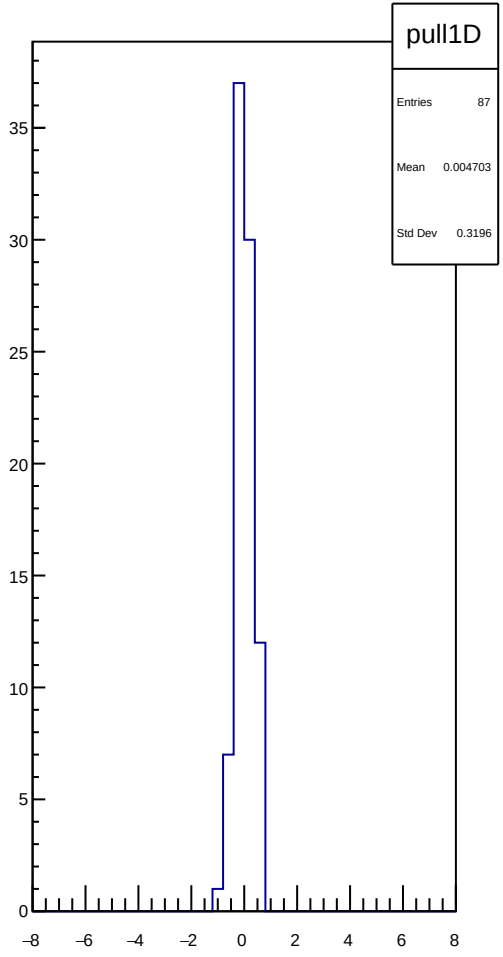

pull1D
Entries 87
Mean −0.04815
Std Dev 0.4817

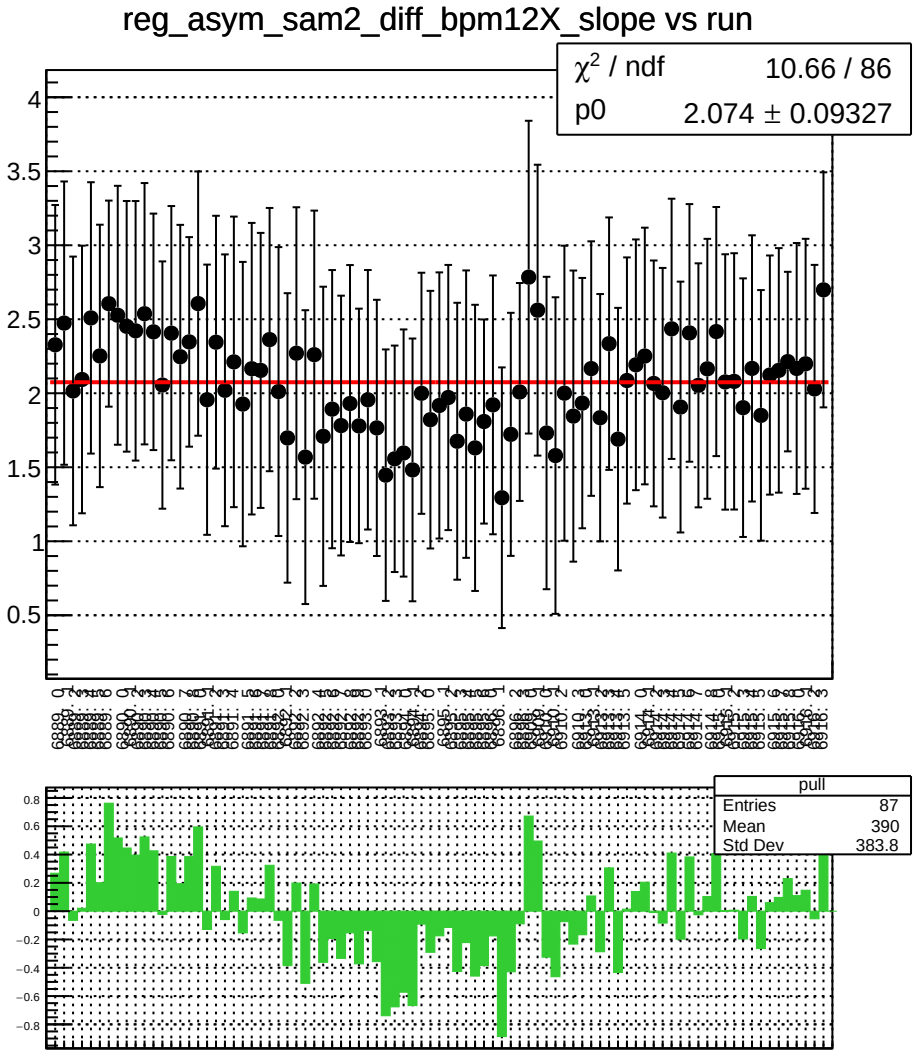

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 7.427 / 86
p0 −35.28 ± 1.797
pull
Entries 87
Mean −125.9
Std Dev 157.8

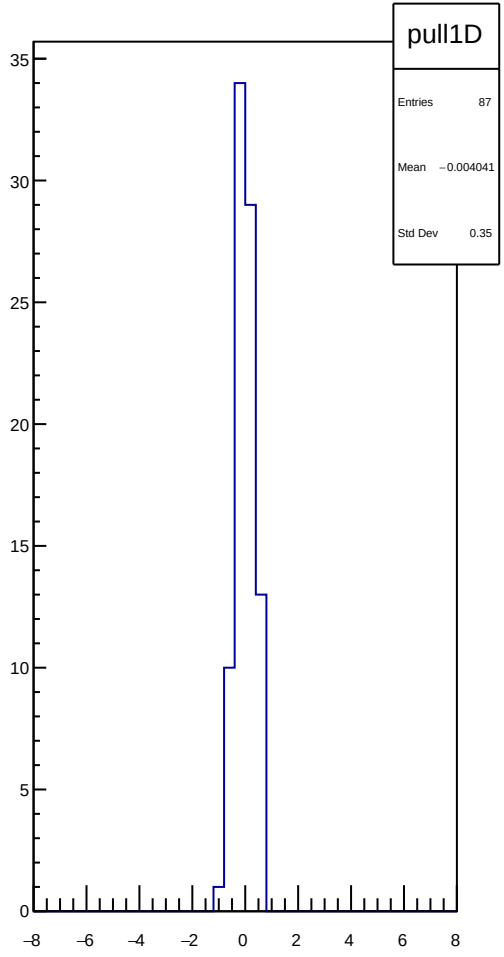

pull1D
Entries 87
Mean −0.01314
Std Dev 0.2919

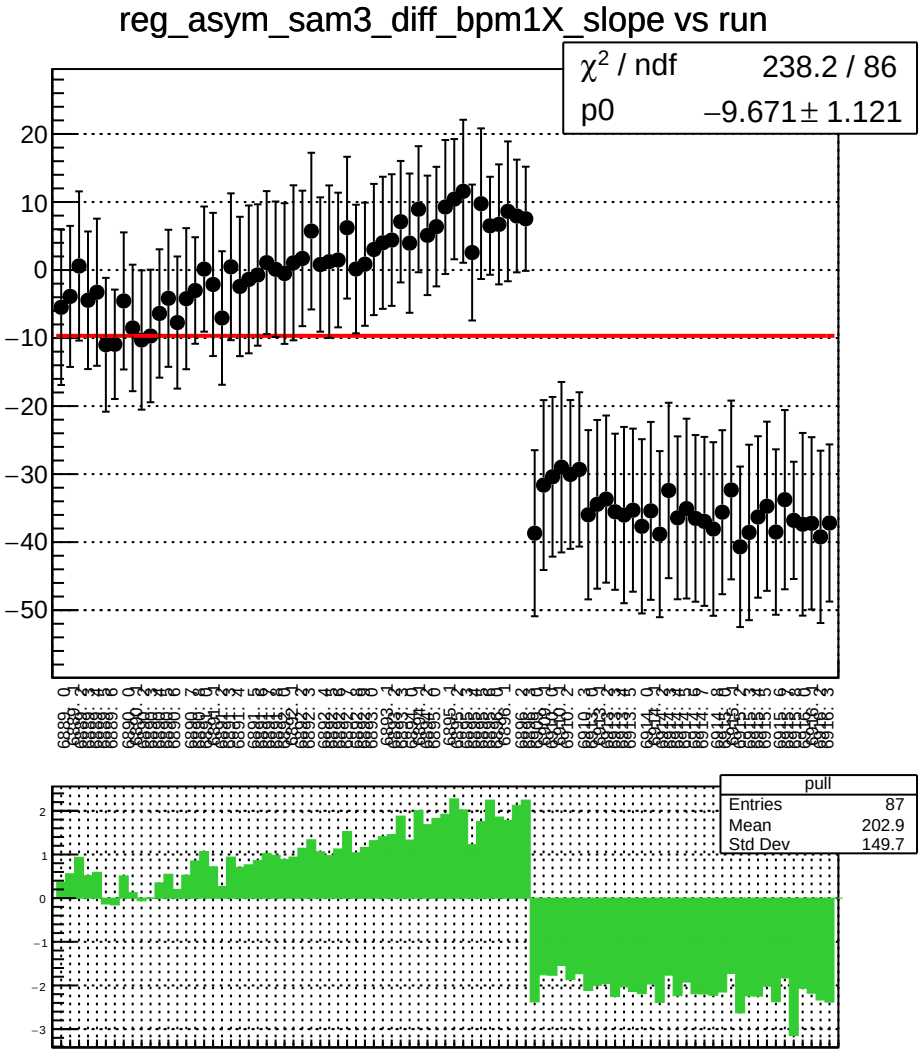

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 22.89 / 86
p0 −176.3 ± 2.293
pull
Entries 87
Mean 245.2
Std Dev 192.5
pull1D
Entries 87
Mean 0.03793
Std Dev 0.5115

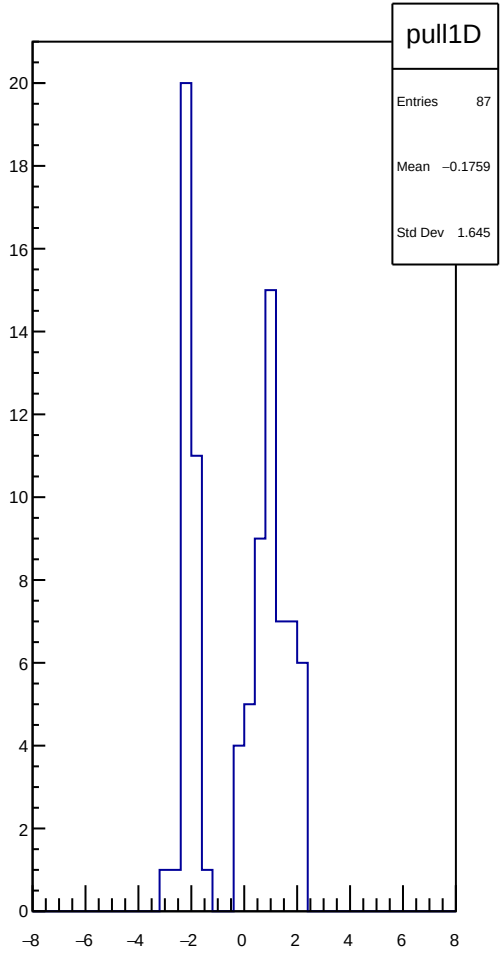

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 8.886 / 86
p0 −142 ± 2.121
−100
−120
−140
−160
−180
pull
Entries 87
Mean −606.9
Std Dev 641
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

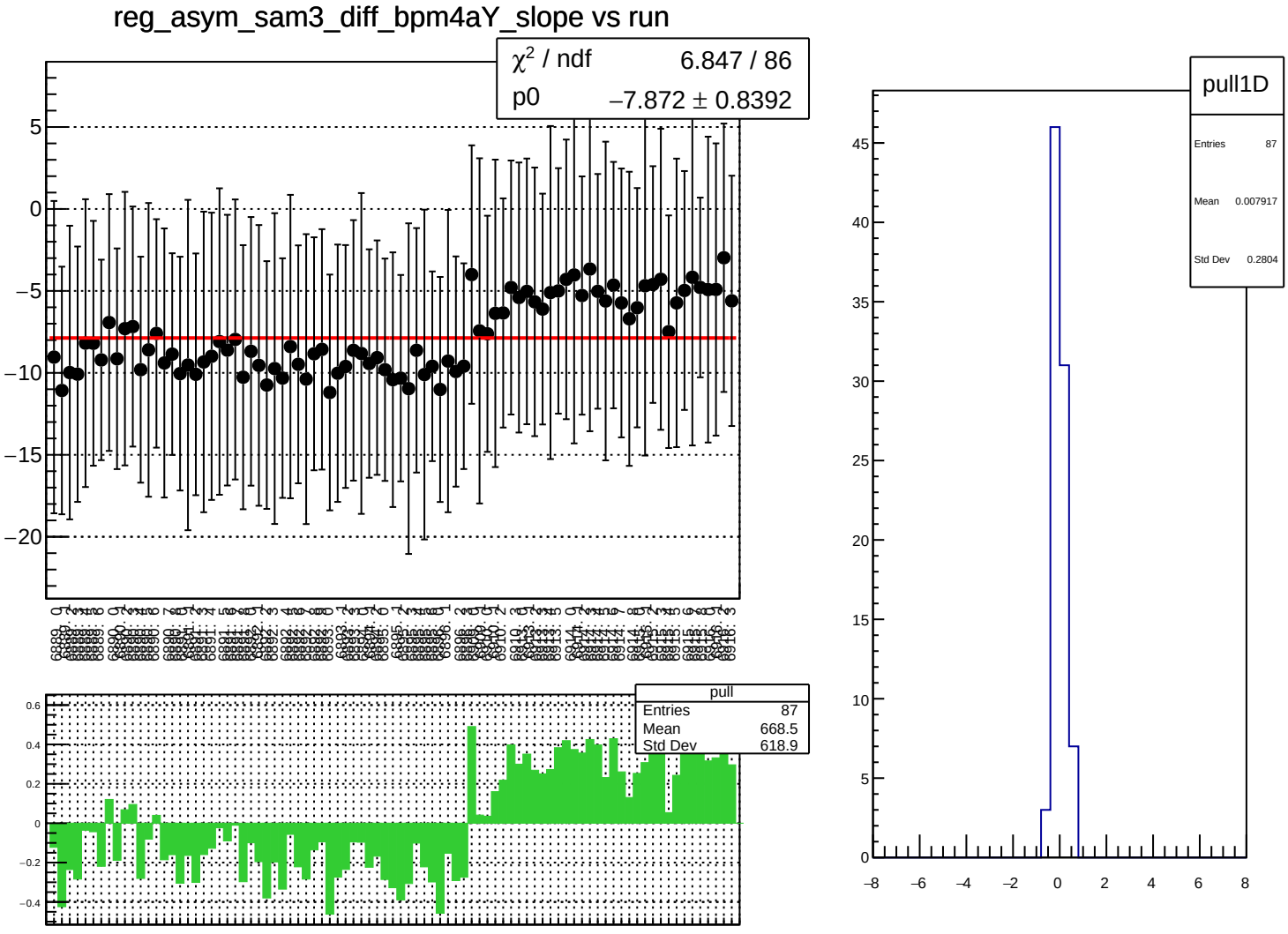

pull1D
Entries 87
Mean 0.004703
Std Dev 0.3196
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

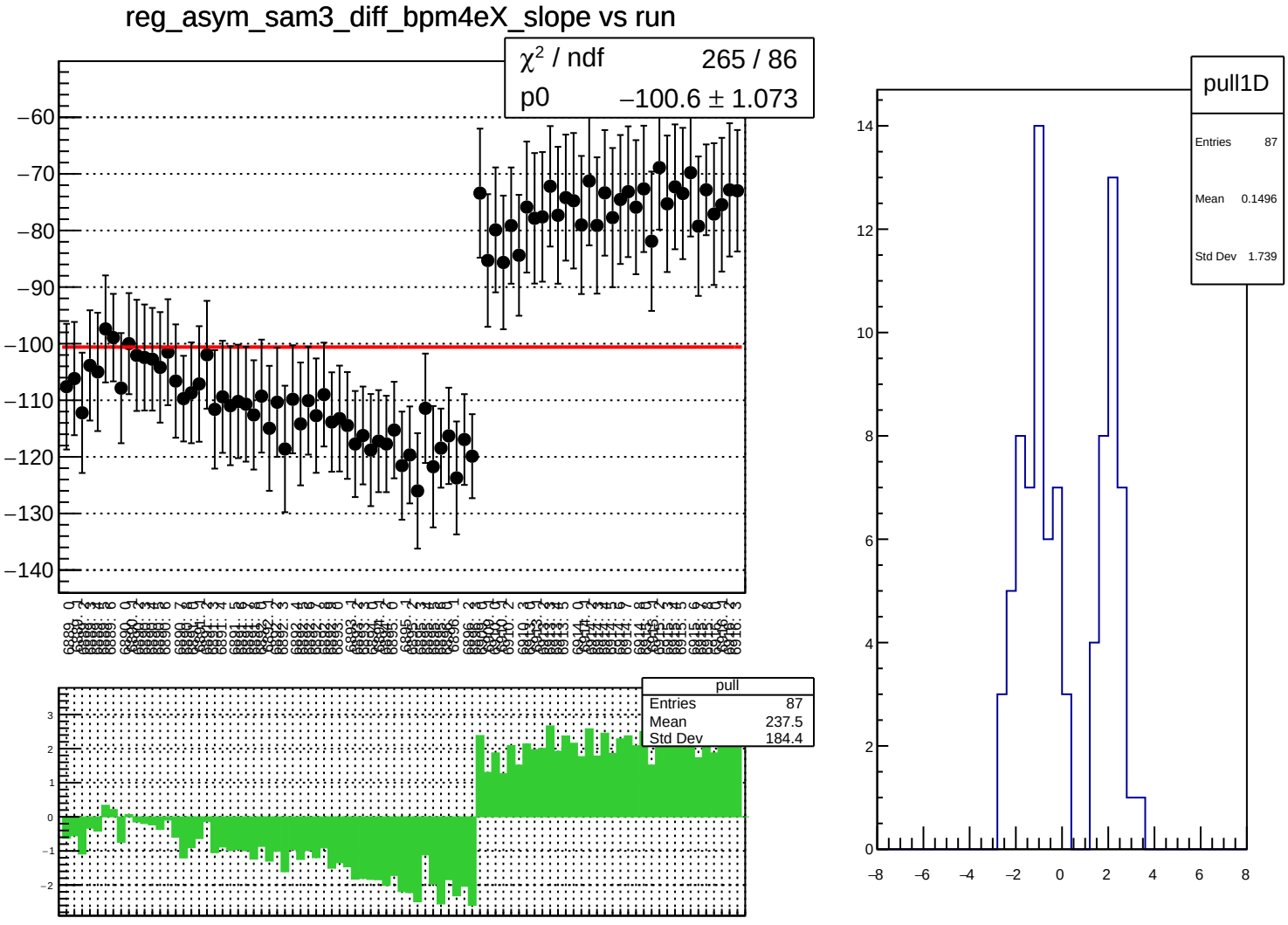

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 10.66 / 86
p0 2.074 ± 0.09327
pull
Entries 87
Mean 390
Std Dev 383.8

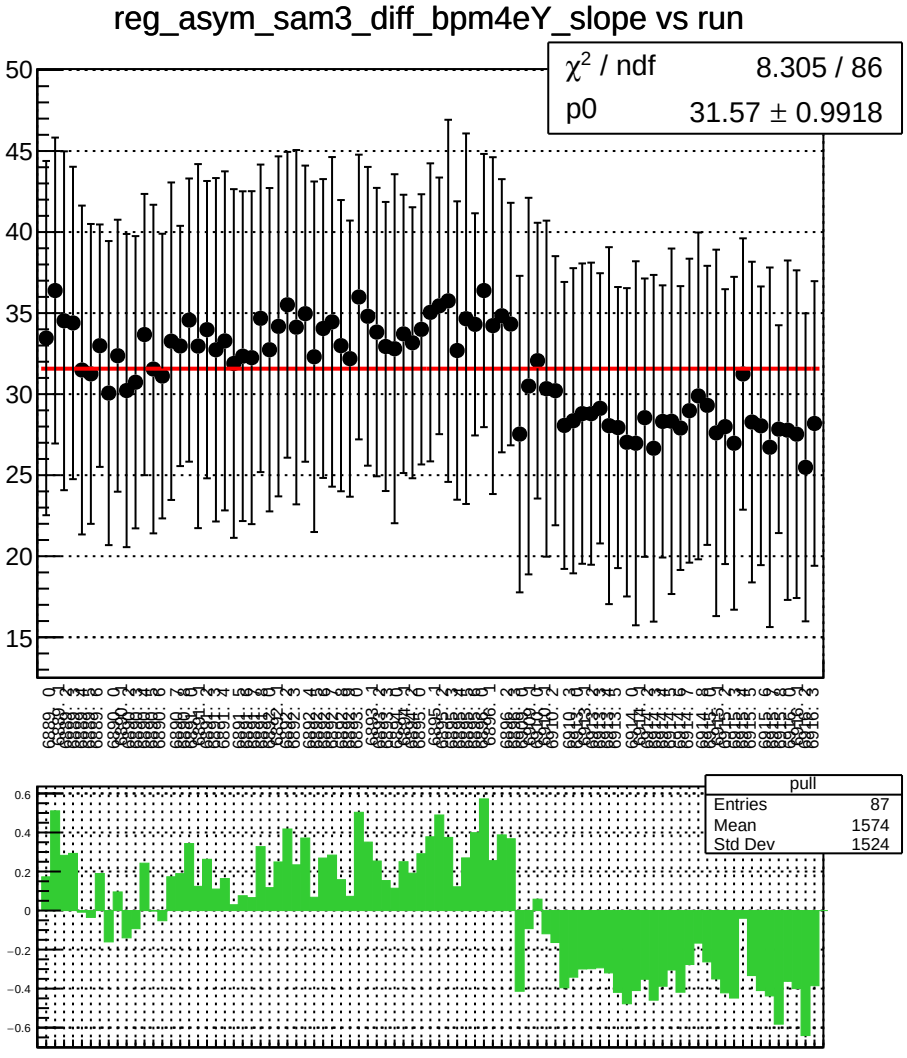

pull1D
Entries 87
Mean −0.004041
Std Dev 0.35

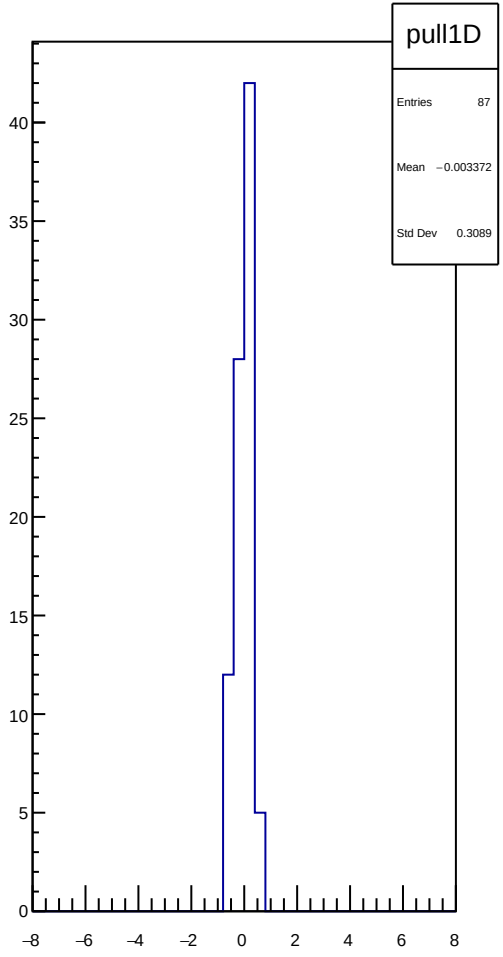

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 238.2 / 86
p0 −9.671 ± 1.121
pull
Entries 87
Mean 202.9
Std Dev 149.7

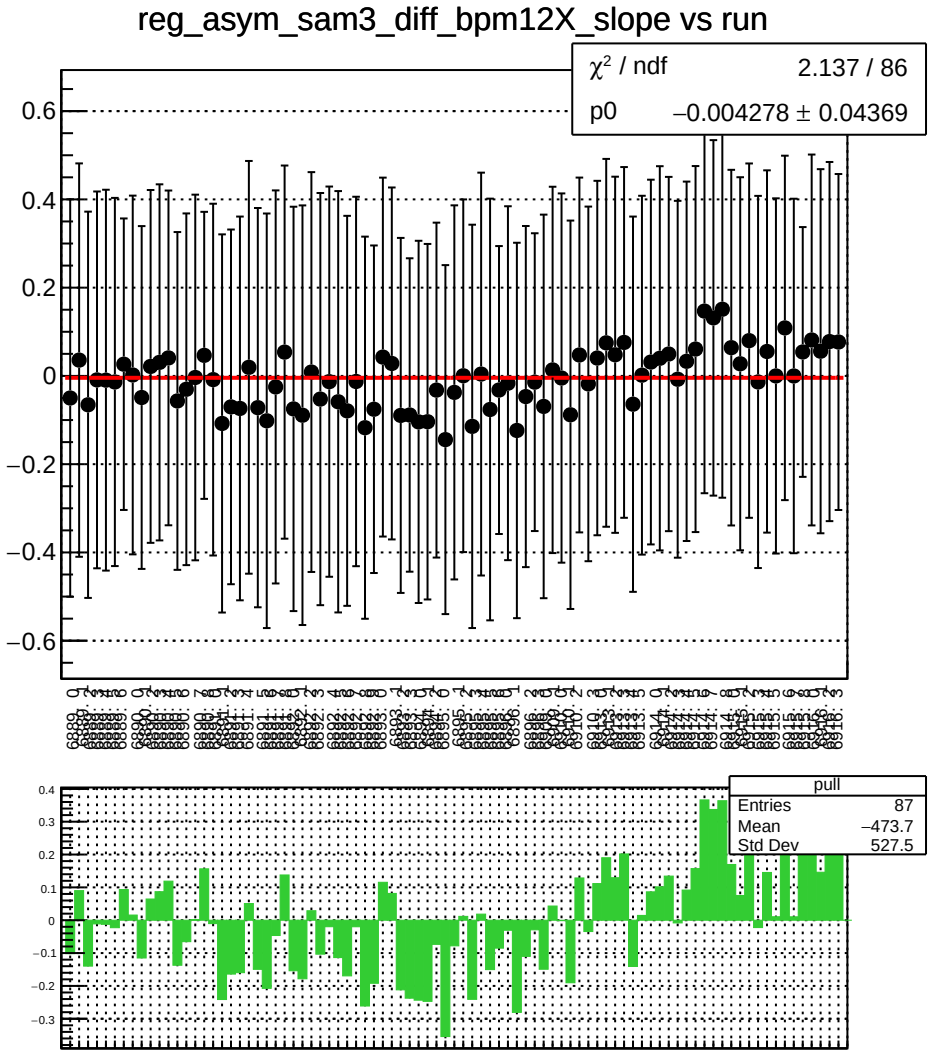

pull1D
Entries 87
Mean −0.1759
Std Dev 1.645

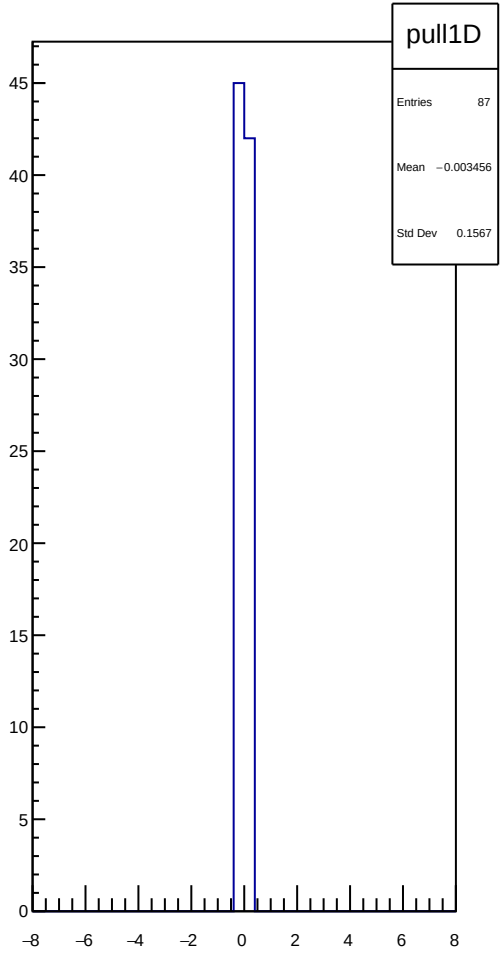

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 6.847 / 86
p0 −7.872 ± 0.8392
pull
Entries 87
Mean 668.5
Std Dev 618.9
pull1D
Entries 87
Mean 0.007917
Std Dev 0.2804

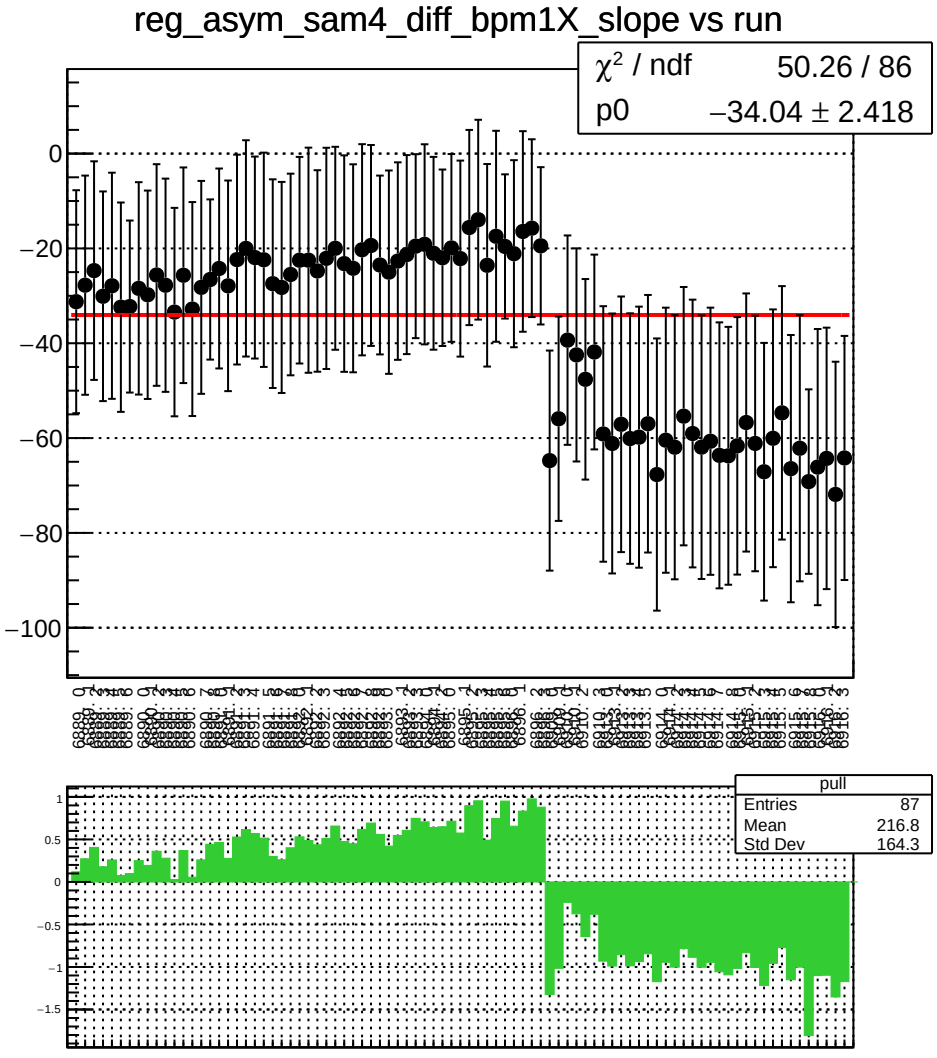

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 265 / 86
p0 −100.6 ± 1.073
pull
Entries 87
Mean 237.5
Std Dev 184.4
pull1D
Entries 87
Mean 0.1496
Std Dev 1.739

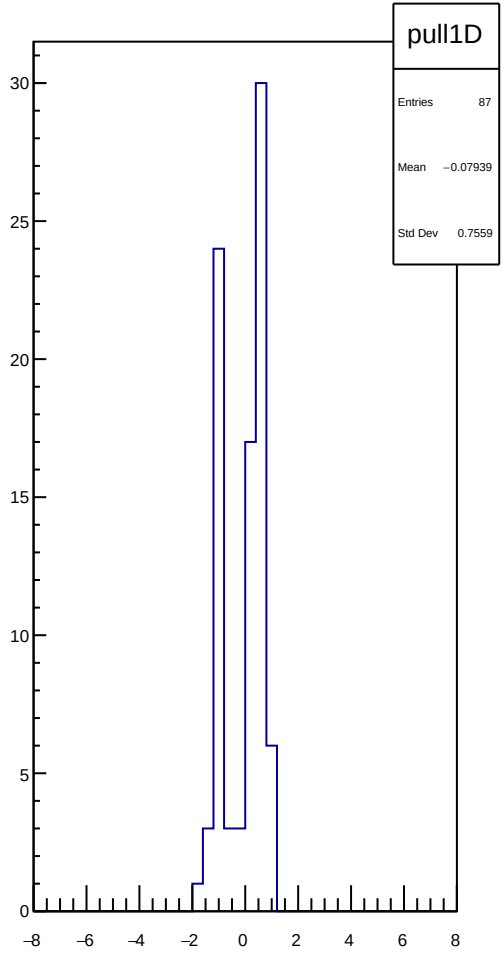

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 8.305 / 86
p0 31.57 ± 0.9918
pull
Entries 87
Mean 1574
Std Dev 1524

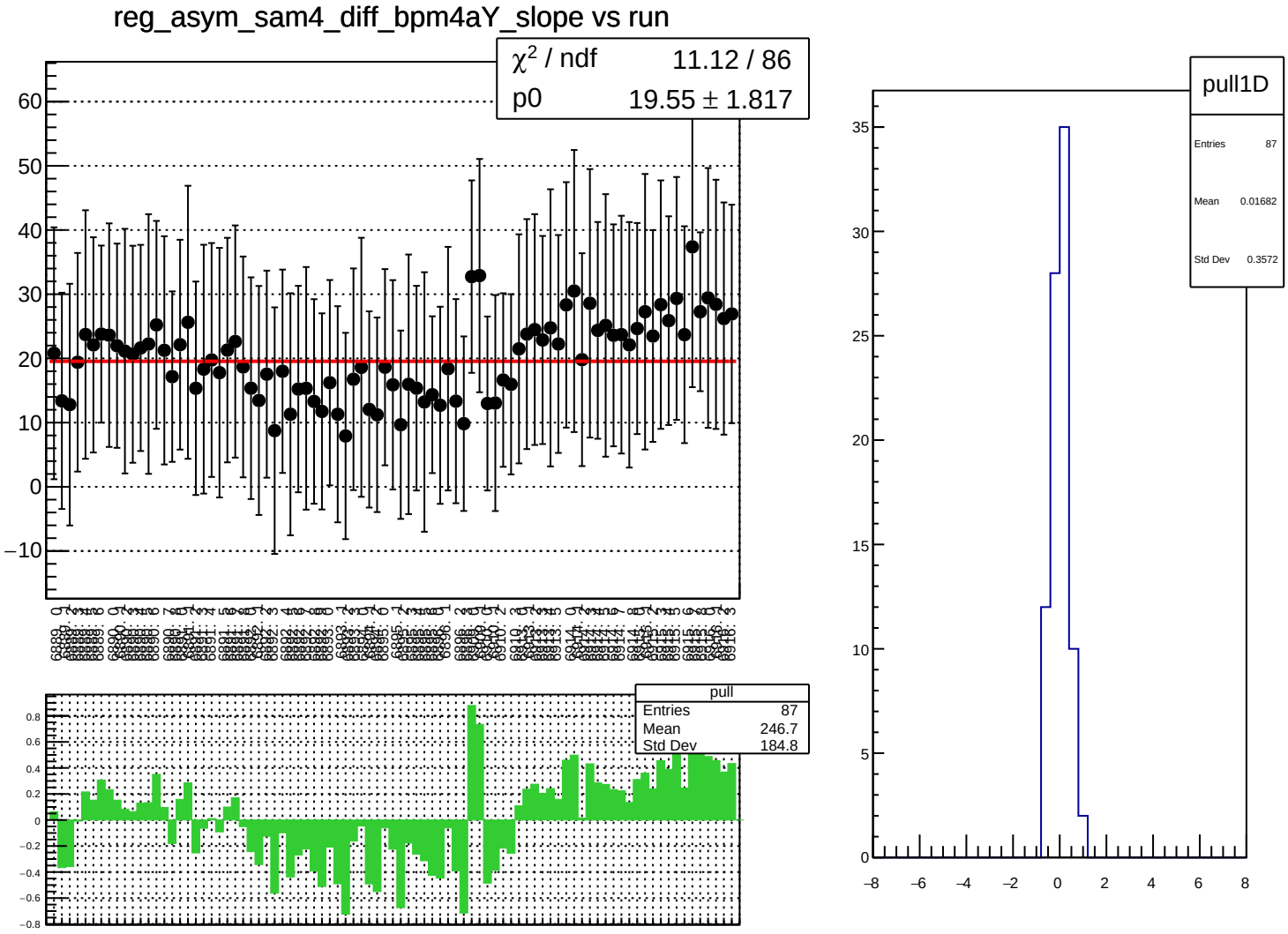

pull1D
Entries 87
Mean −0.003372
Std Dev 0.3089

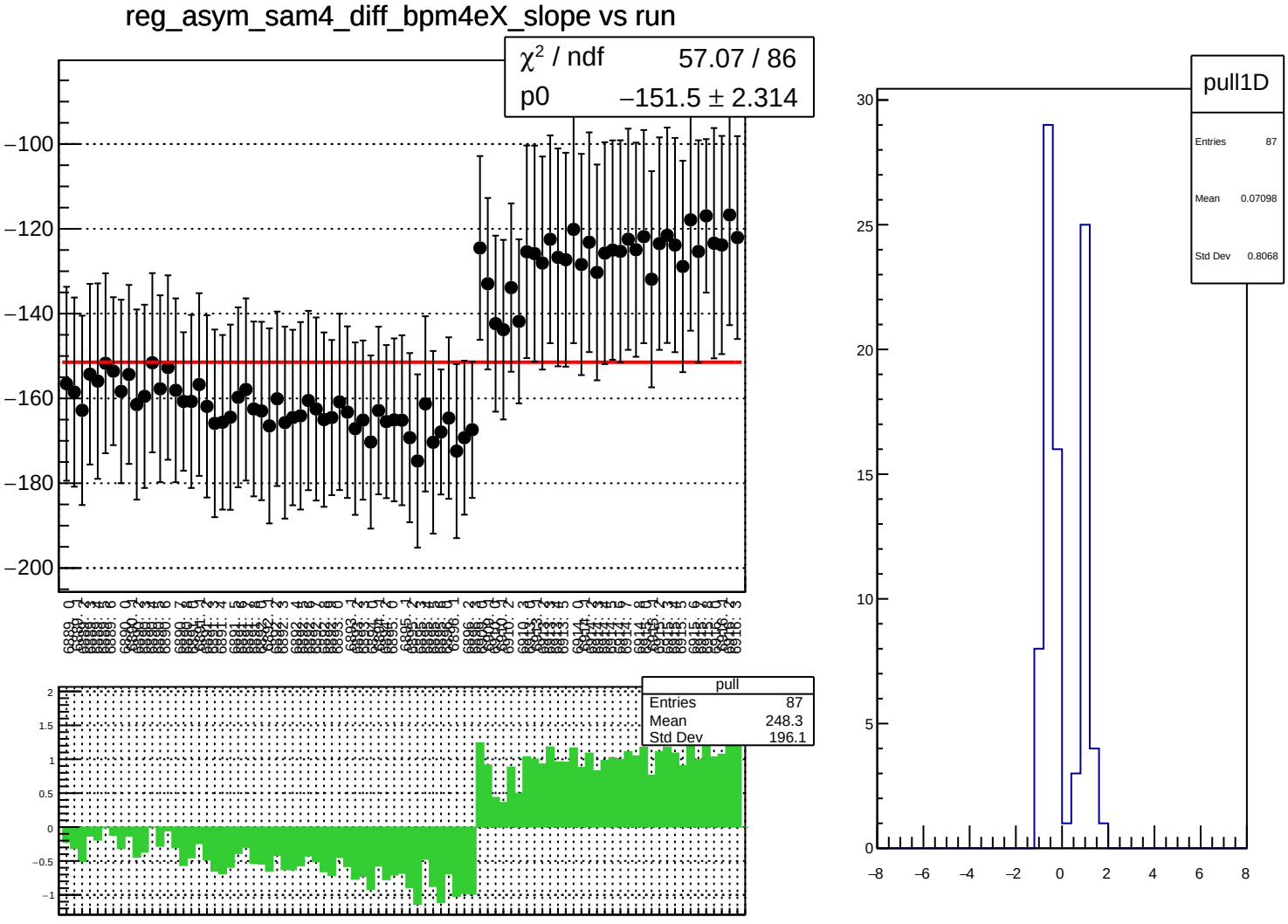

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.137 / 86
p0 −0.004278 ± 0.04369
pull
Entries 87
Mean −473.7
Std Dev 527.5

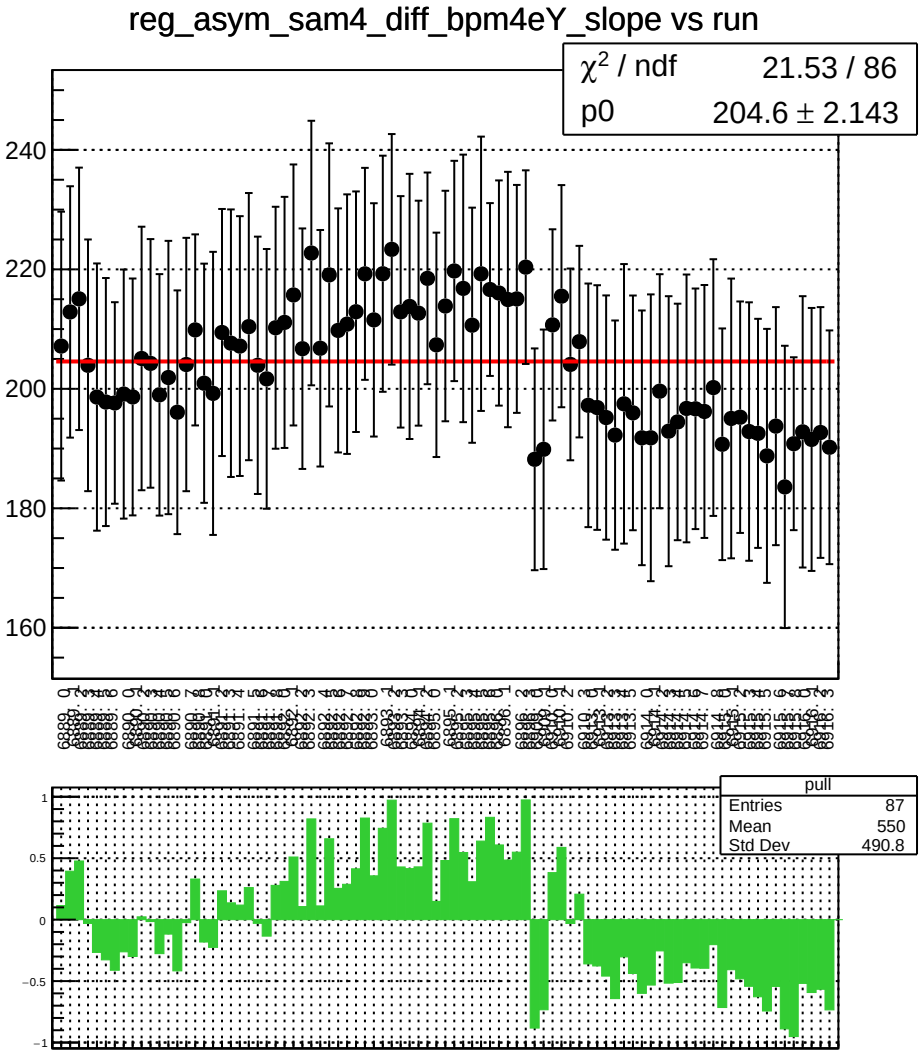

pull1D
Entries 87
Mean −0.003456
Std Dev 0.1567

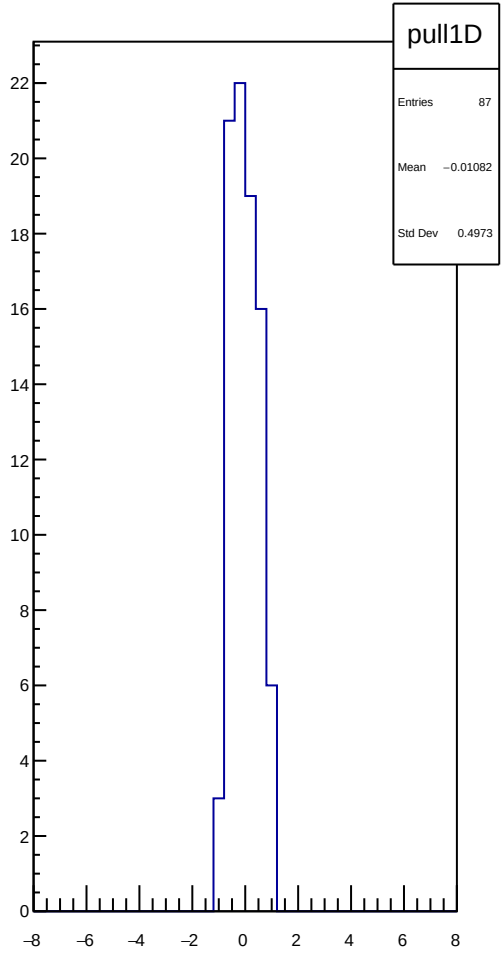

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 50.26 / 86
p0 −34.04 ± 2.418
pull
Entries 87
Mean 216.8
Std Dev 164.3

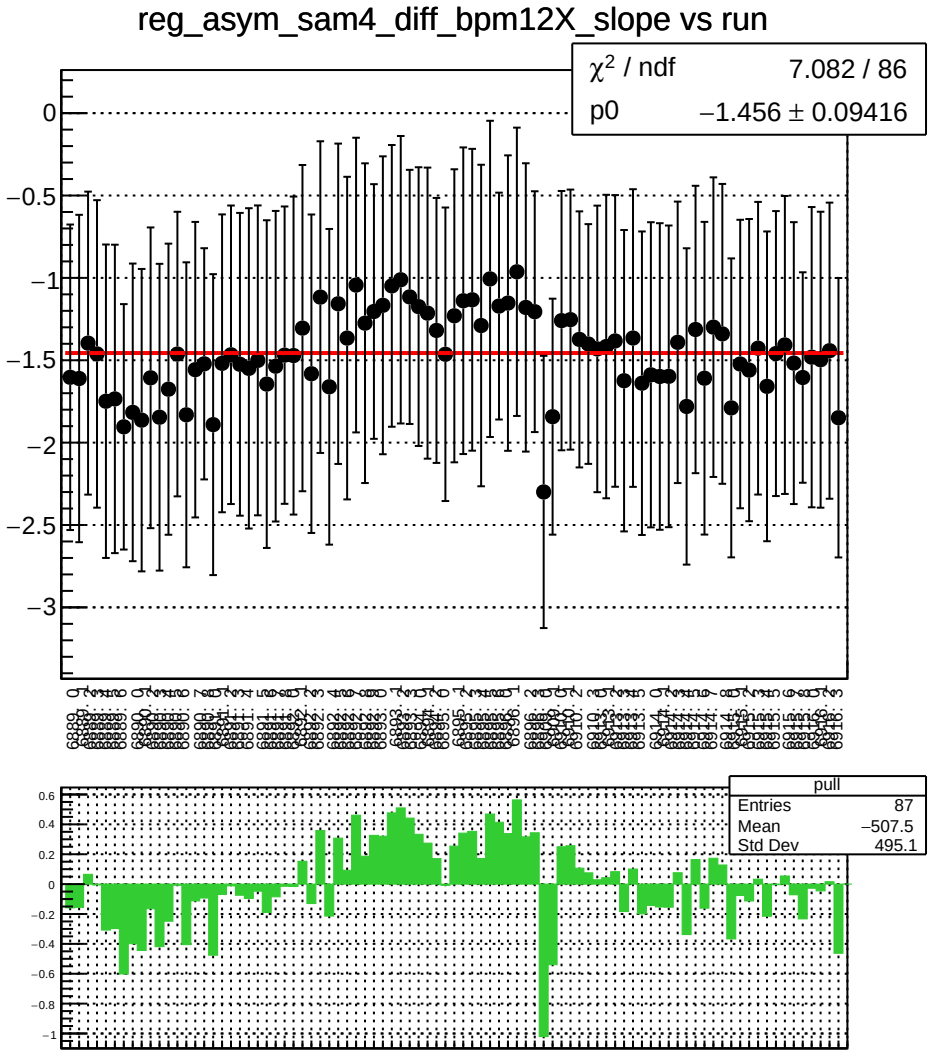

pull1D
Entries 87
Mean −0.07939
Std Dev 0.7559

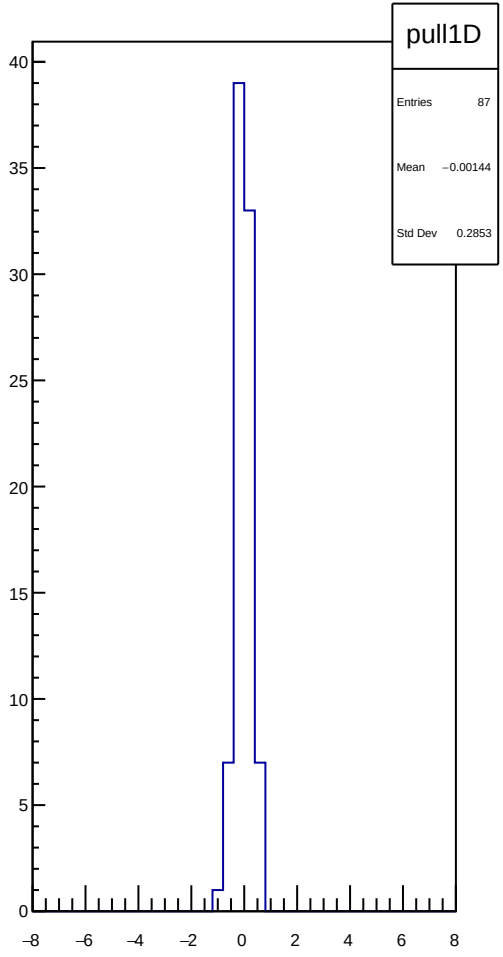

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 11.12 / 86
p0 19.55 ± 1.817
pull
Entries 87
Mean 246.7
Std Dev 184.8
pull1D
Entries 87
Mean 0.01682
Std Dev 0.3572

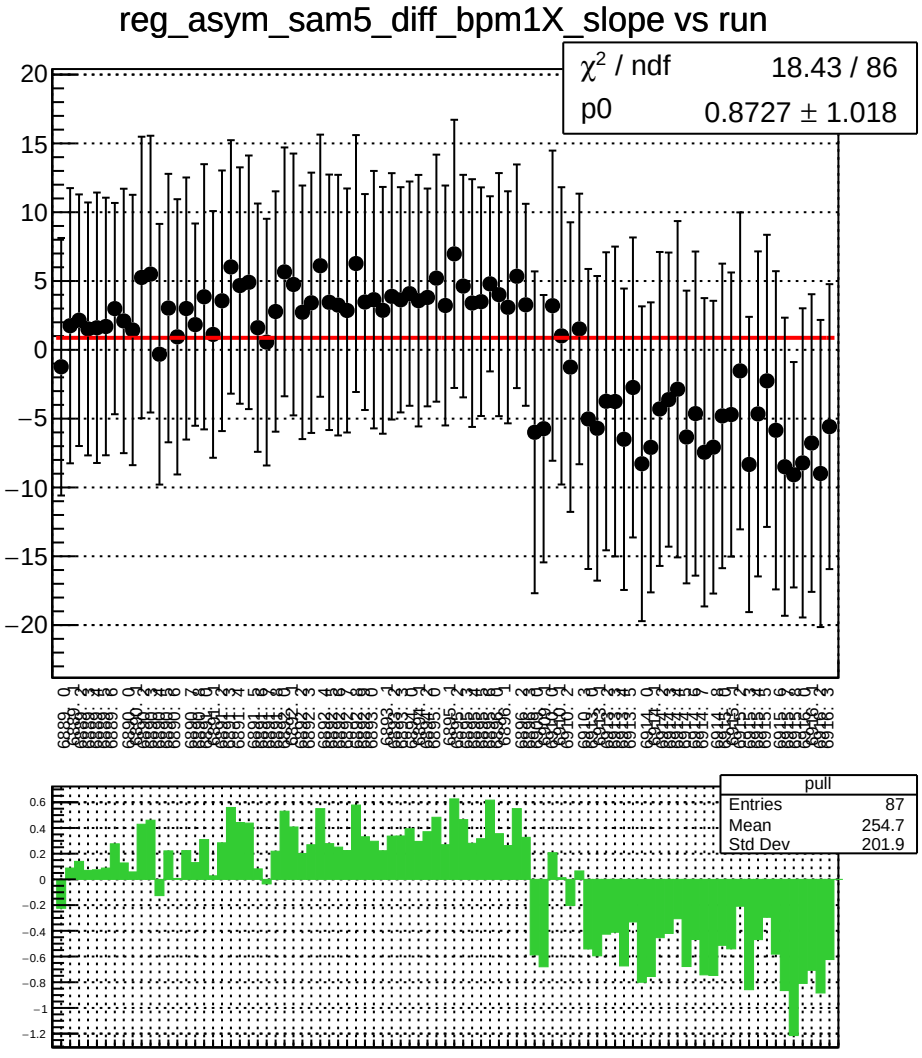

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 57.07 / 86
p0 −151.5 ± 2.314
pull
Entries 87
Mean 248.3
Std Dev 196.1
pull1D
Entries 87
Mean 0.07098
Std Dev 0.8068

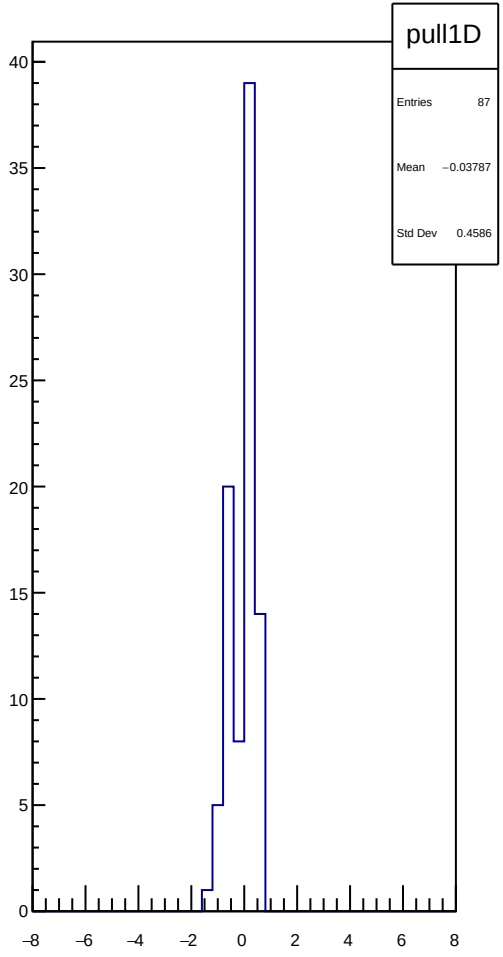

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 21.53 / 86
p0 204.6 ± 2.143
240
220
200
180
160
pull
Entries 87
Mean 550
Std Dev 490.8
1
0.5
0
−0.5
−1

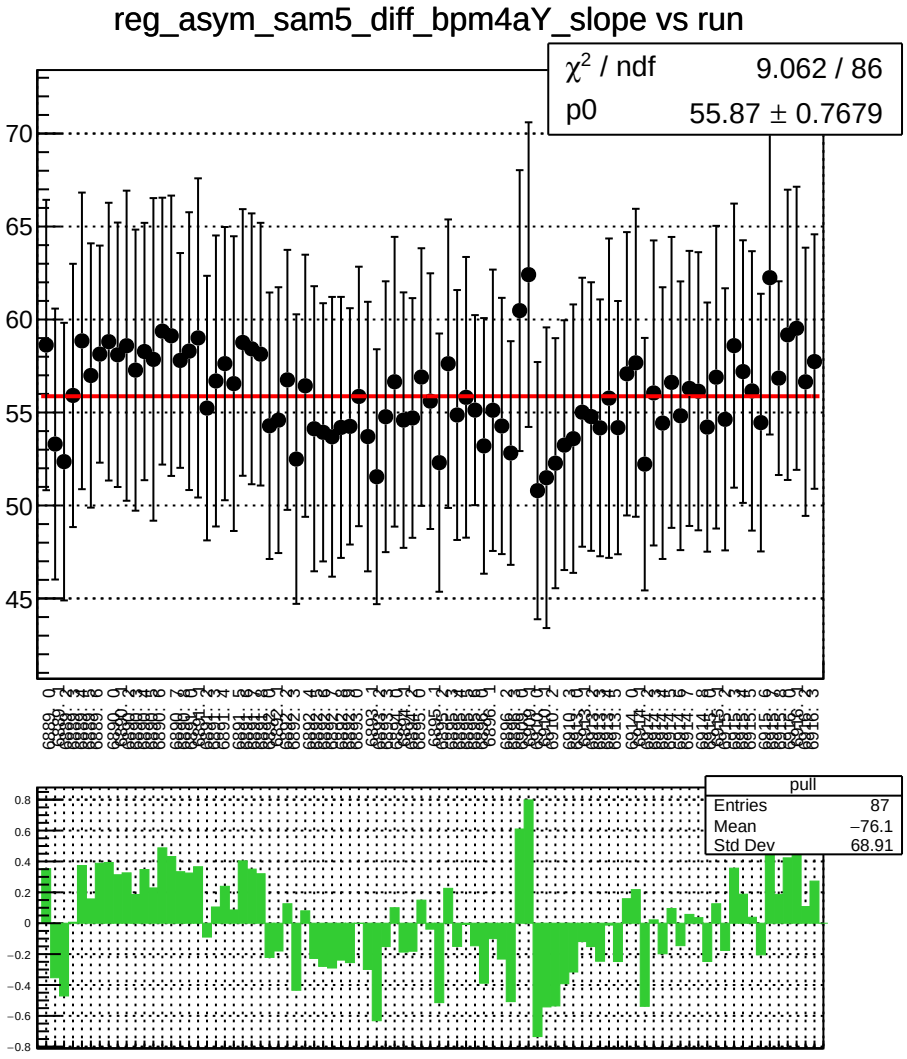

pull1D
Entries 87
Mean −0.01082
Std Dev 0.4973
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

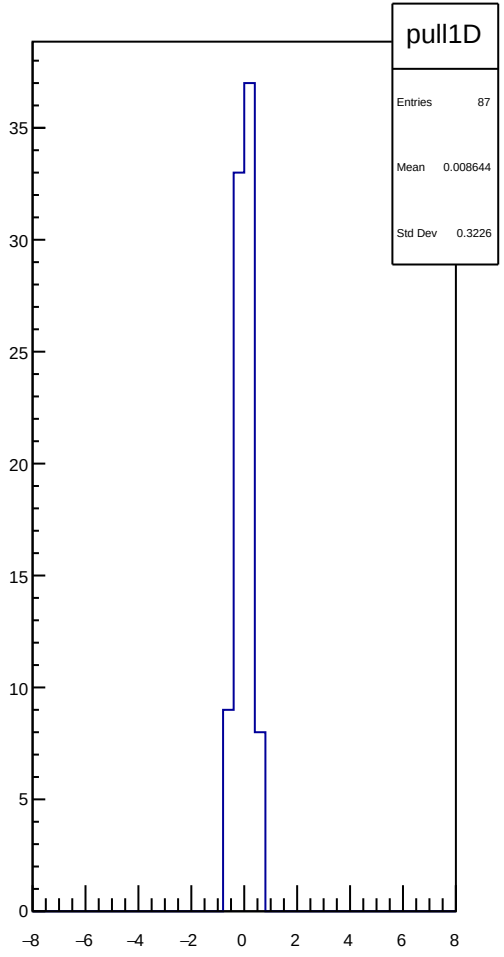

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 7.082 / 86
p0 −1.456 ± 0.09416
pull
Entries 87
Mean −507.5
Std Dev 495.1

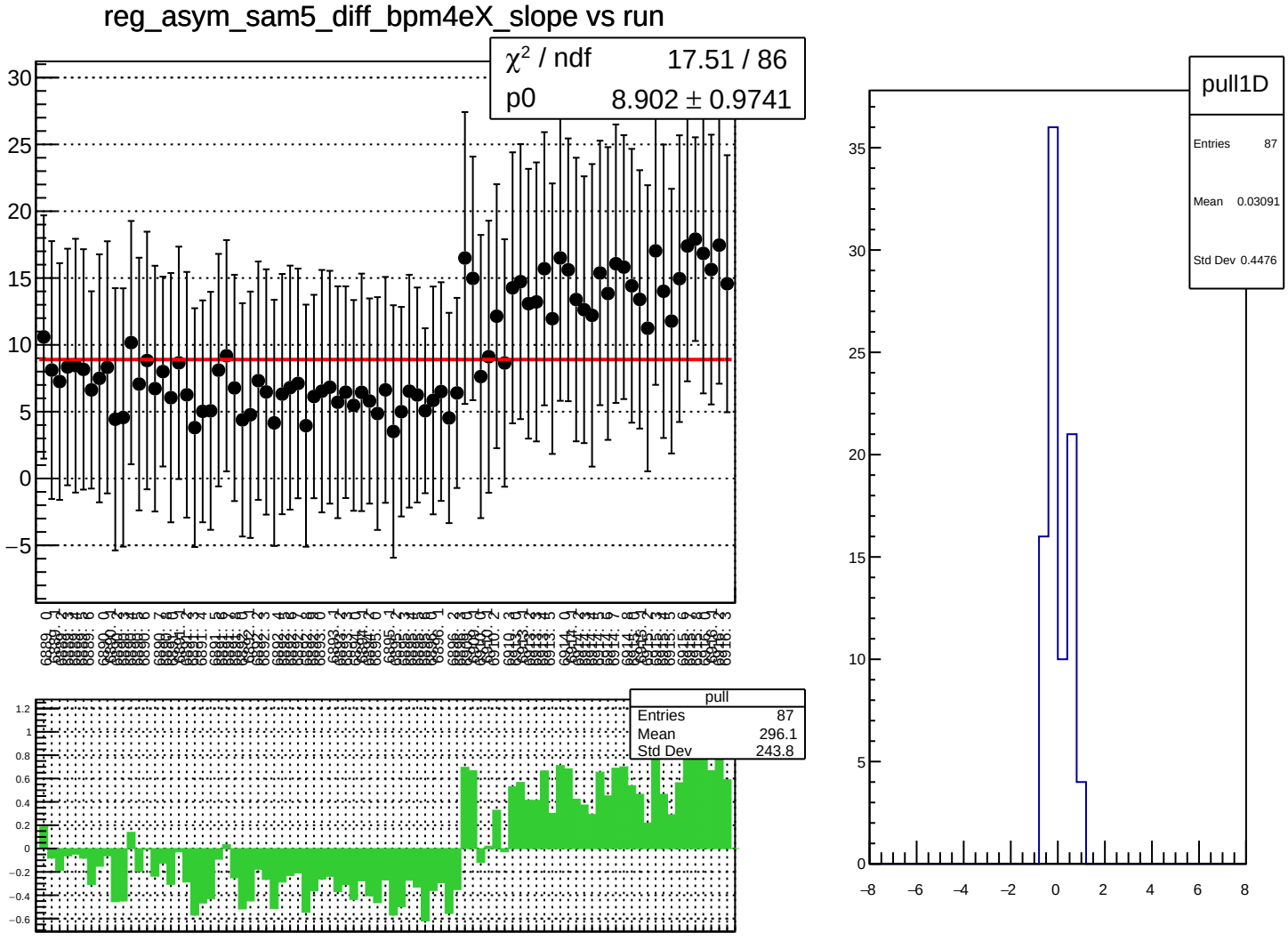

pull1D
Entries 87
Mean −0.00144
Std Dev 0.2853

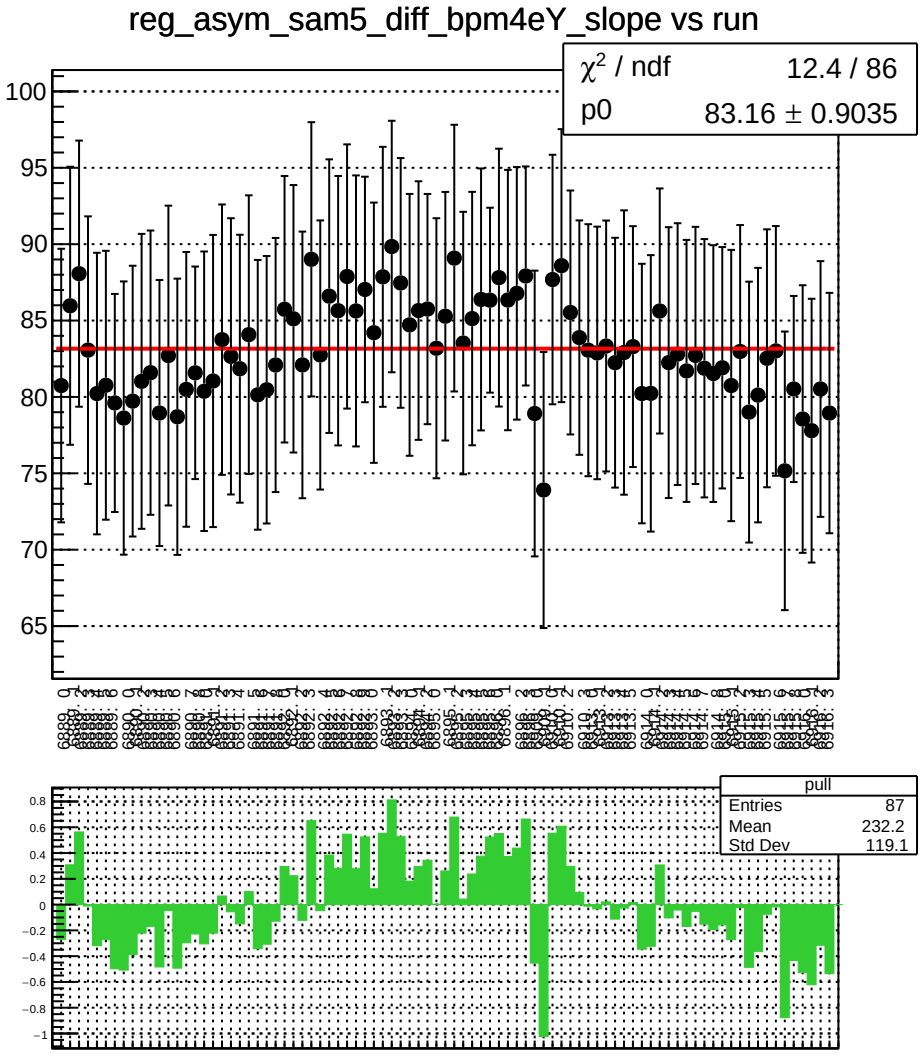

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 18.43 / 86
p0 0.8727 ± 1.018
pull
Entries 87
Mean 254.7
Std Dev 201.9

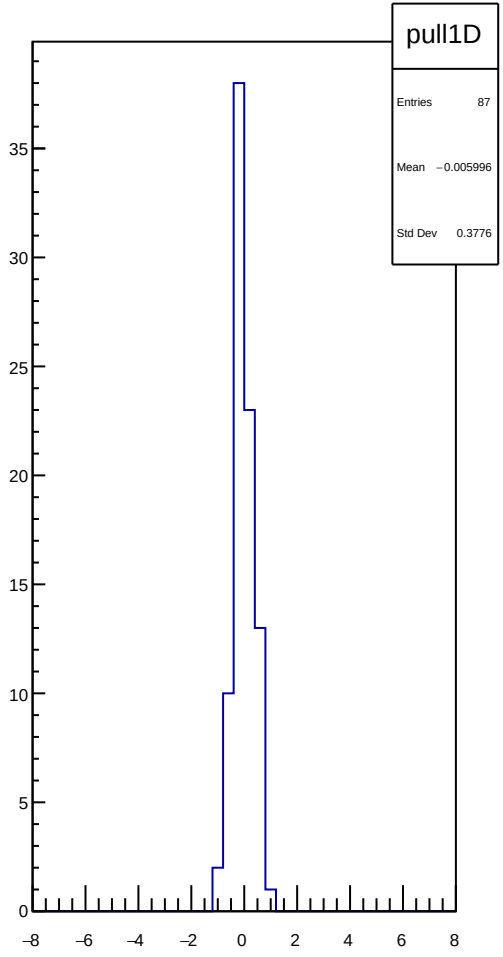

pull1D
Entries 87
Mean −0.03787
Std Dev 0.4586

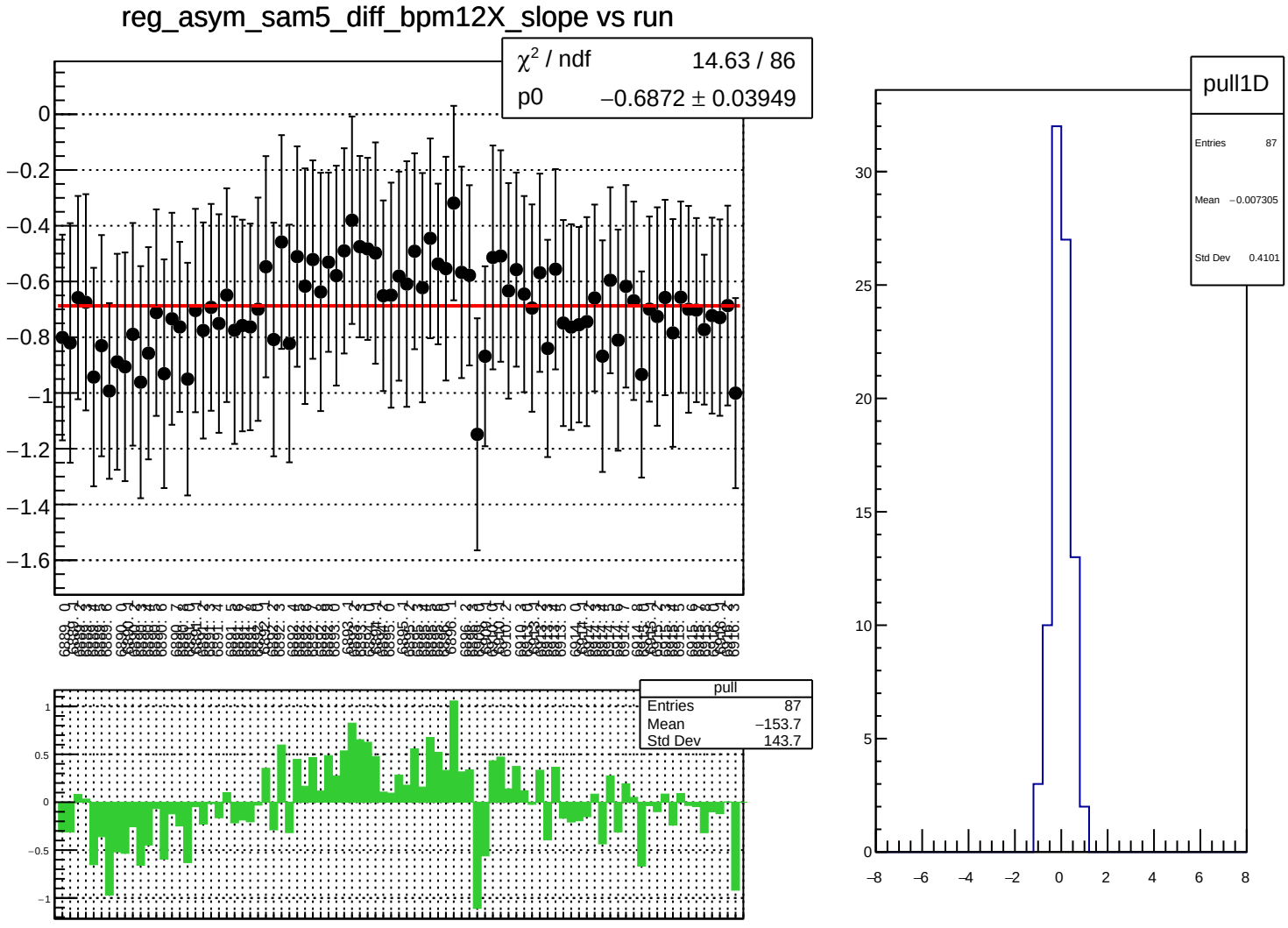

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 9.062 / 86
p0 55.87 ± 0.7679
pull
Entries 87
Mean −76.1
Std Dev 68.91

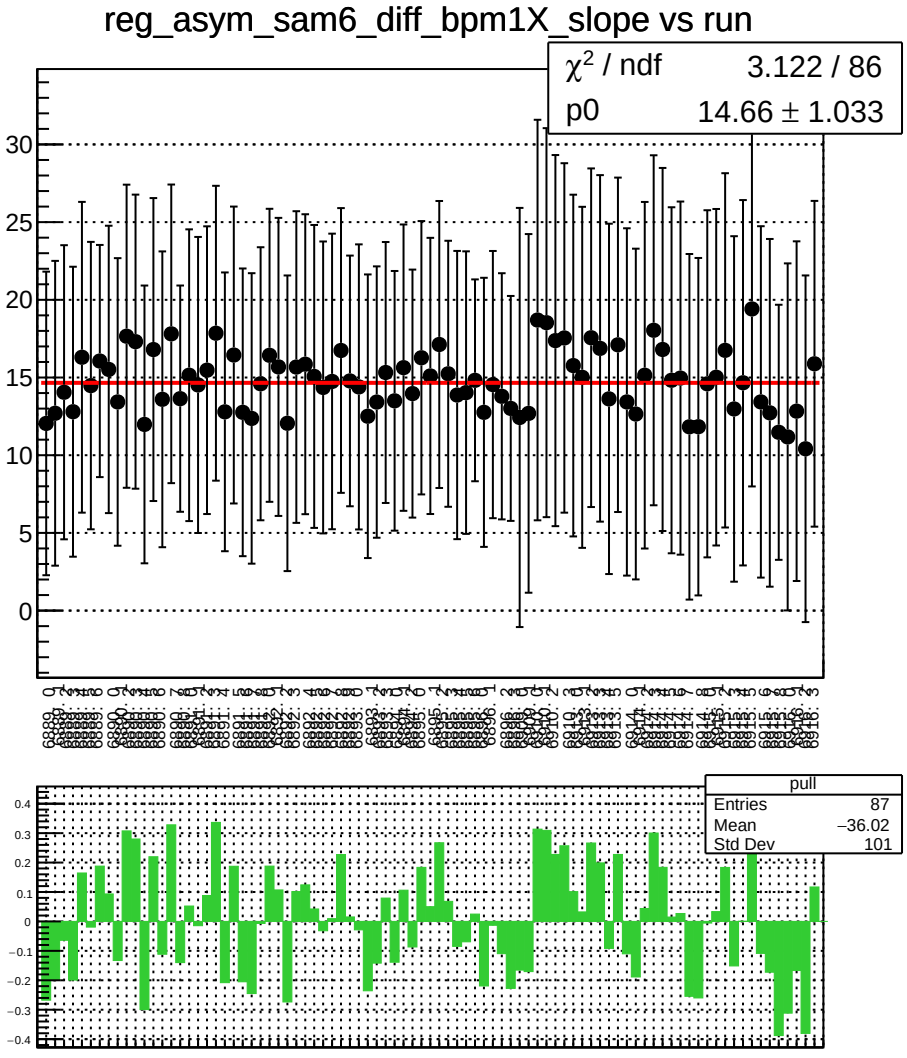

pull1D
Entries 87
Mean 0.008644
Std Dev 0.3226

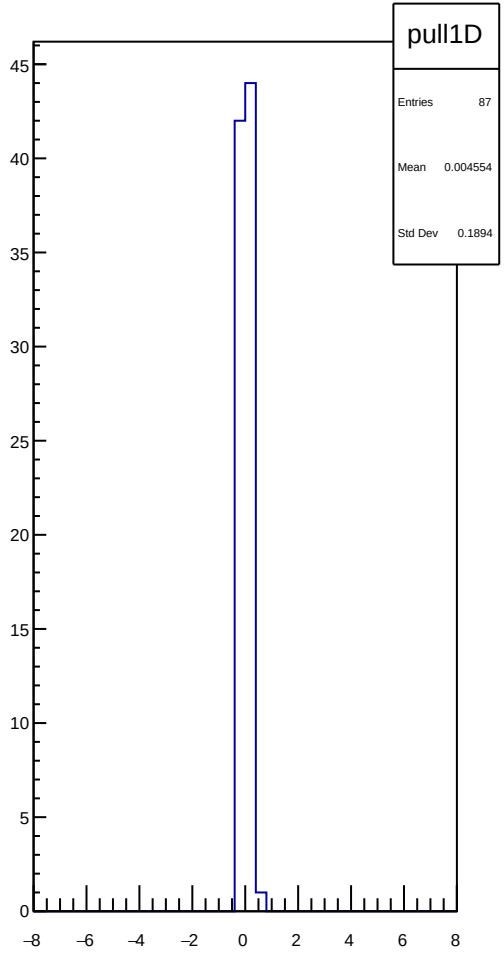

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 17.51 / 86
p0 8.902 ± 0.9741
pull
Entries 87
Mean 296.1
Std Dev 243.8
pull1D
Entries 87
Mean 0.03091
Std Dev 0.4476

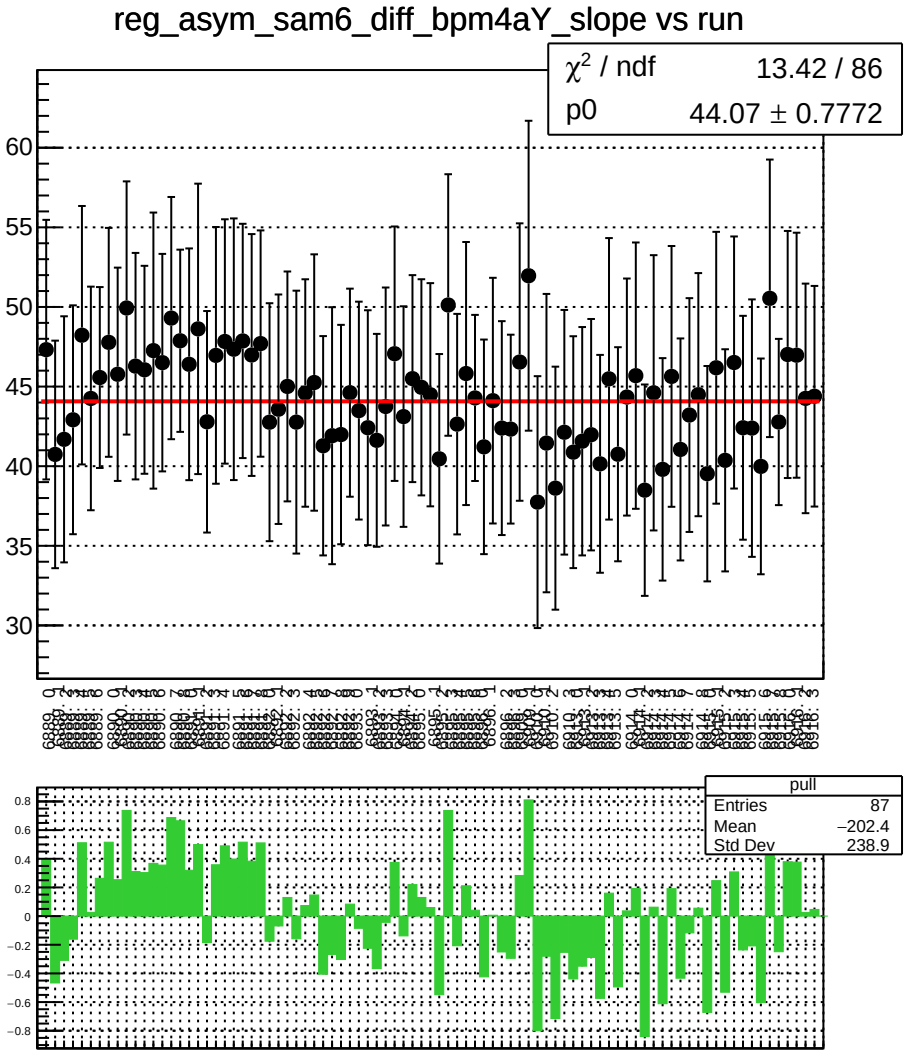

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.4 / 86
p0 83.16 ± 0.9035
pull
Entries 87
Mean 232.2
Std Dev 119.1

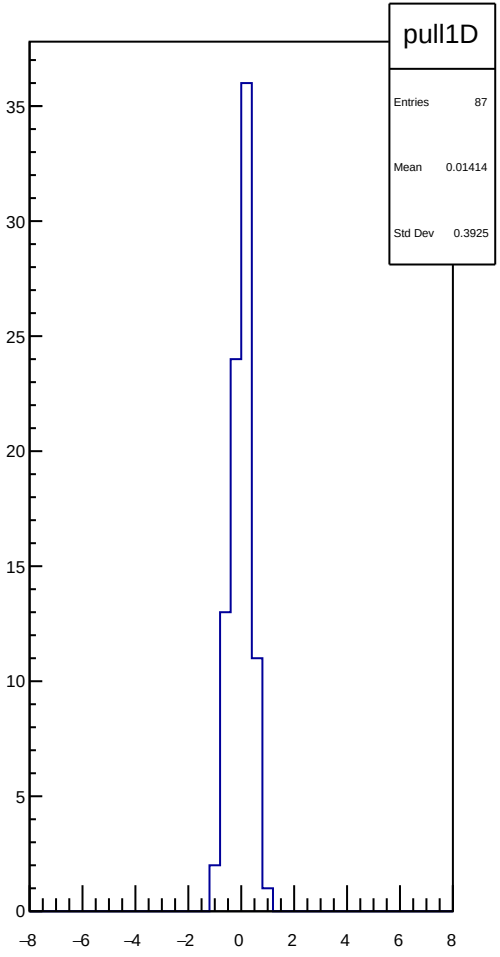

pull1D
Entries 87
Mean −0.005996
Std Dev 0.3776

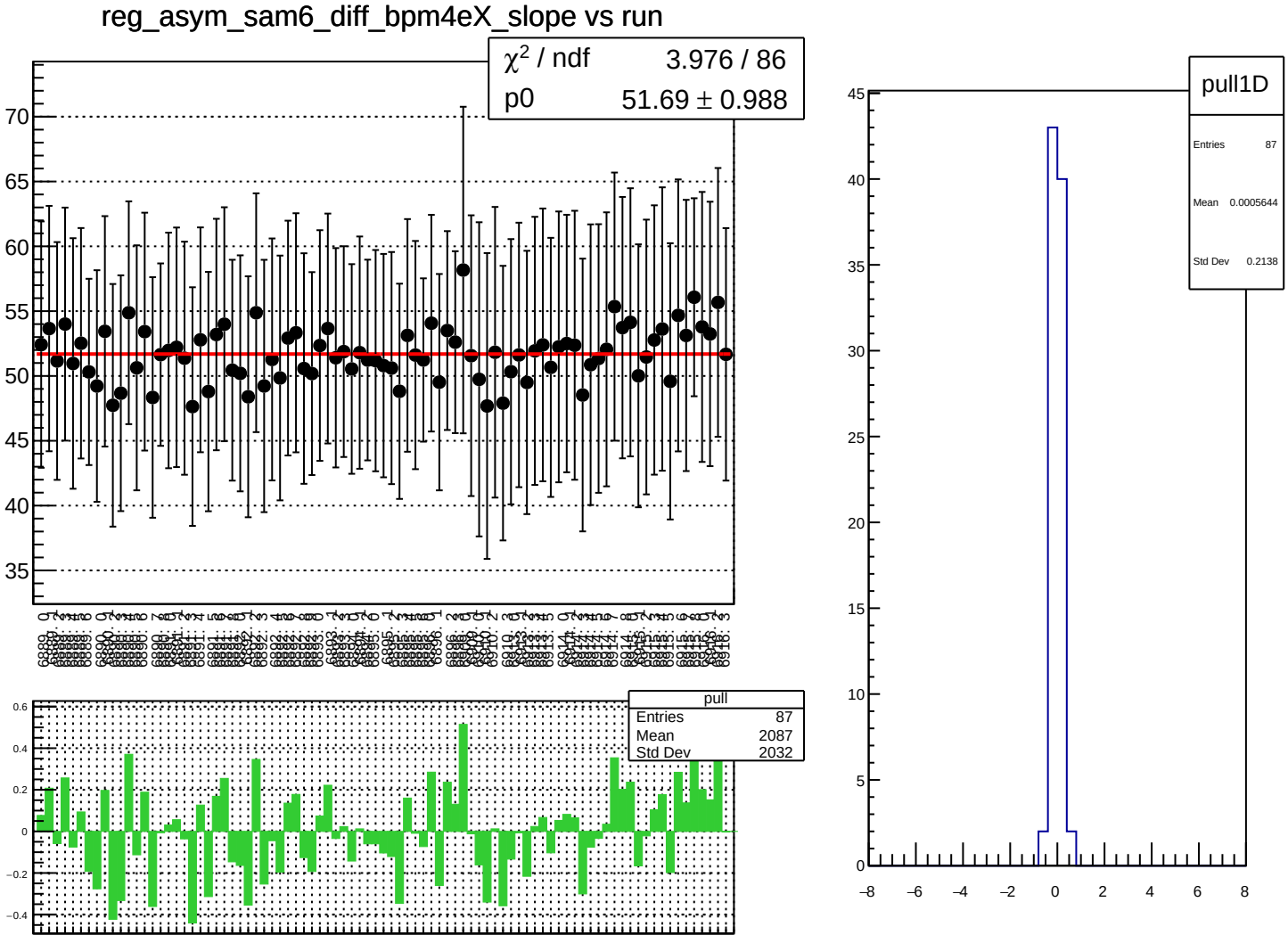

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 14.63 / 86
p0 −0.6872 ± 0.03949
pull
Entries 87
Mean −153.7
Std Dev 143.7
pull1D
Entries 87
Mean −0.007305
Std Dev 0.4101

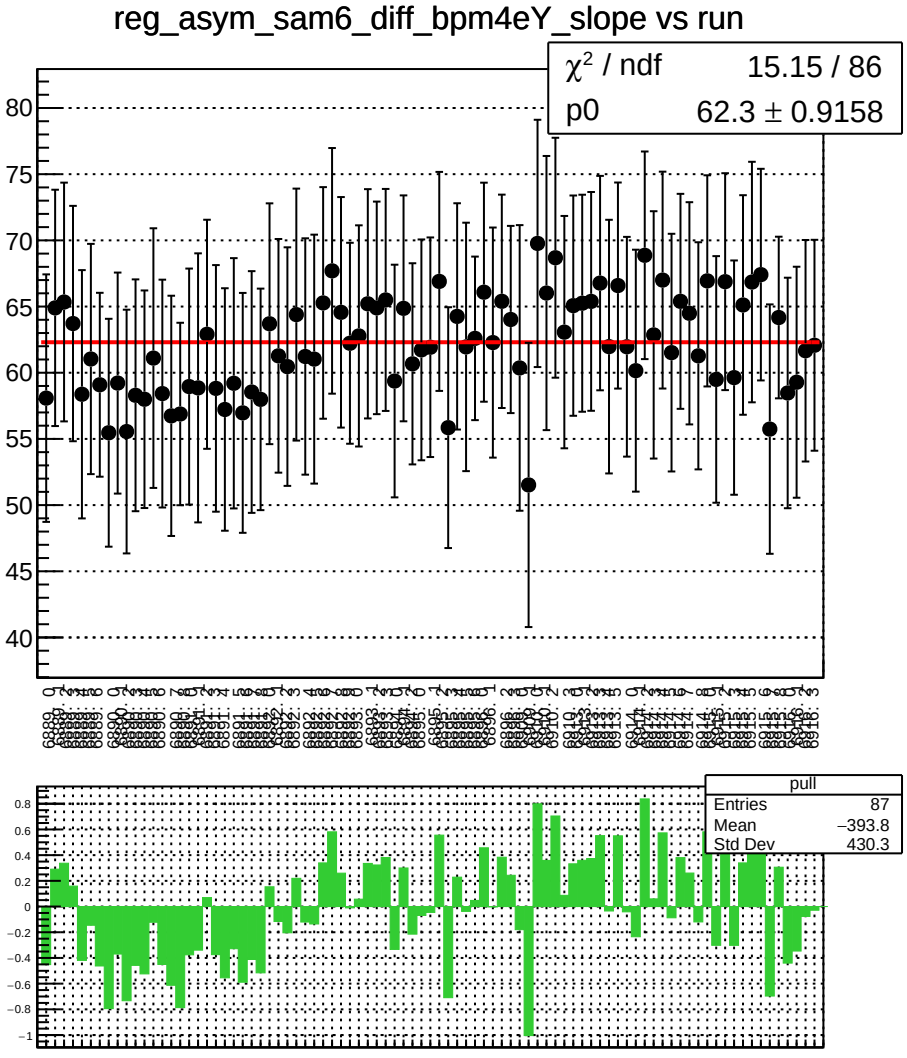

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 3.122 / 86
p0 14.66 ± 1.033
pull
Entries 87
Mean −36.02
Std Dev 101

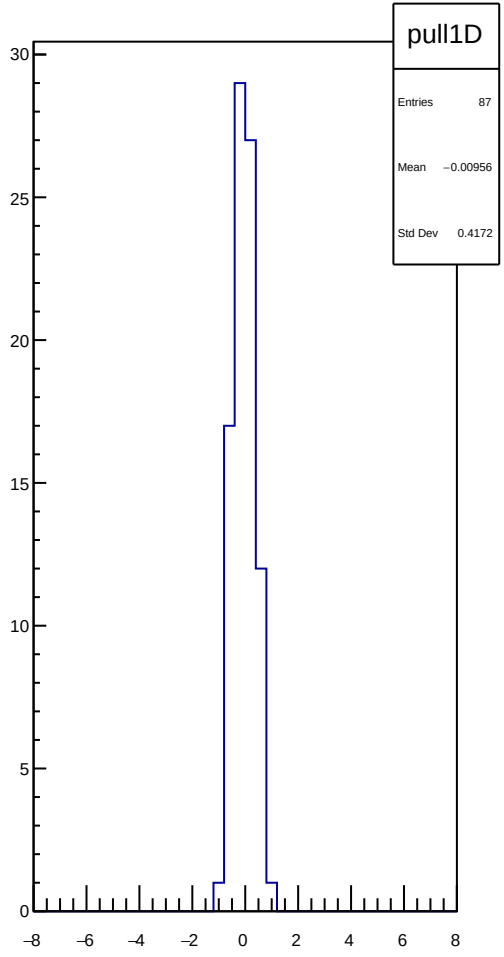

pull1D
Entries 87
Mean 0.004554
Std Dev 0.1894

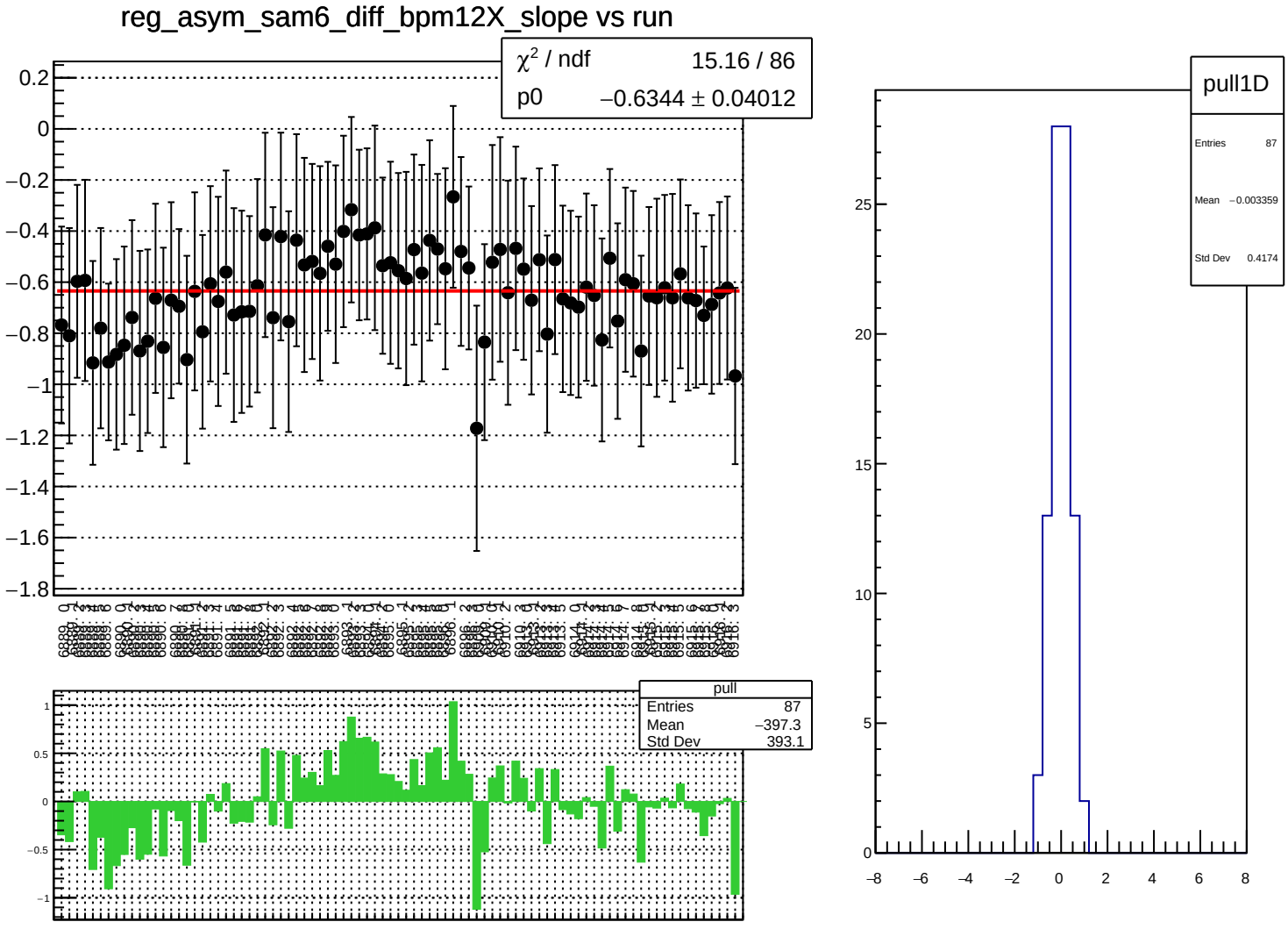

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 13.42 / 86
p0 44.07 ± 0.7772
pull
Entries 87
Mean −202.4
Std Dev 238.9

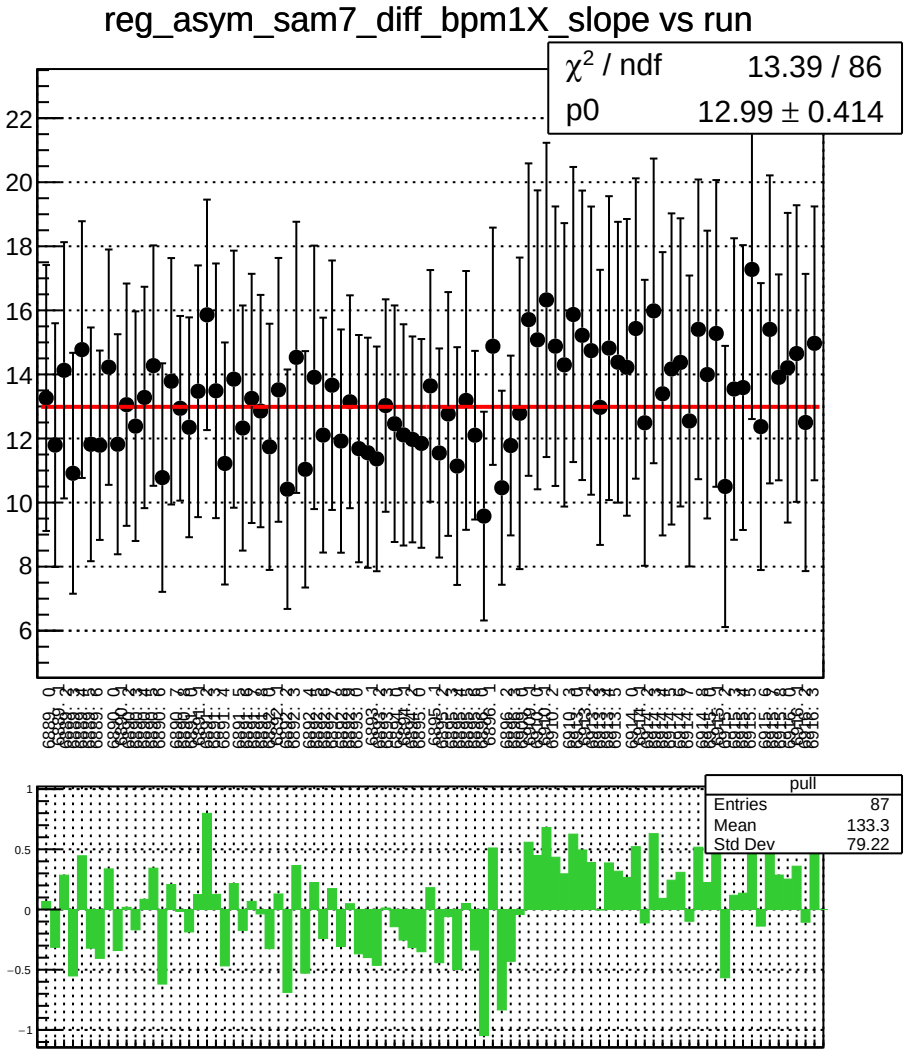

pull1D
Entries 87
Mean 0.01414
Std Dev 0.3925

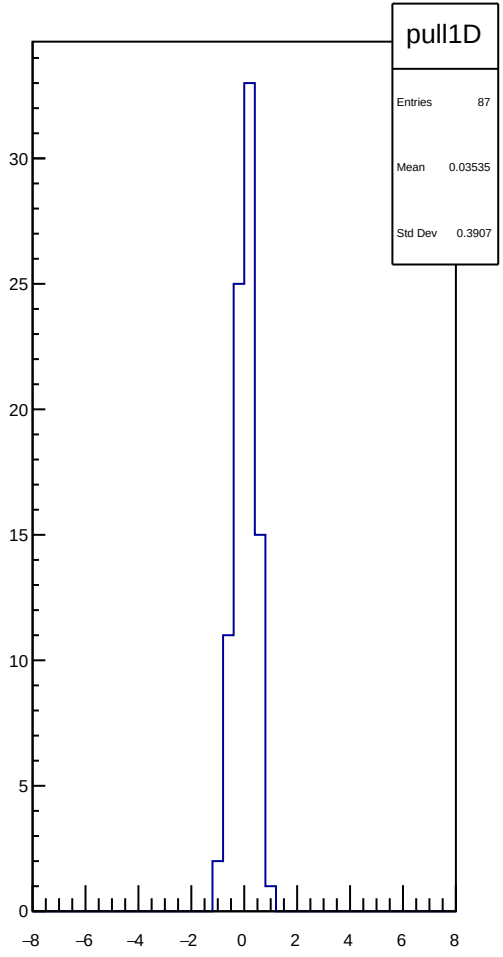

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 3.976 / 86
p0 51.69 ± 0.988
pull
Entries 87
Mean 2087
Std Dev 2032
pull1D
Entries 87
Mean 0.0005644
Std Dev 0.2138

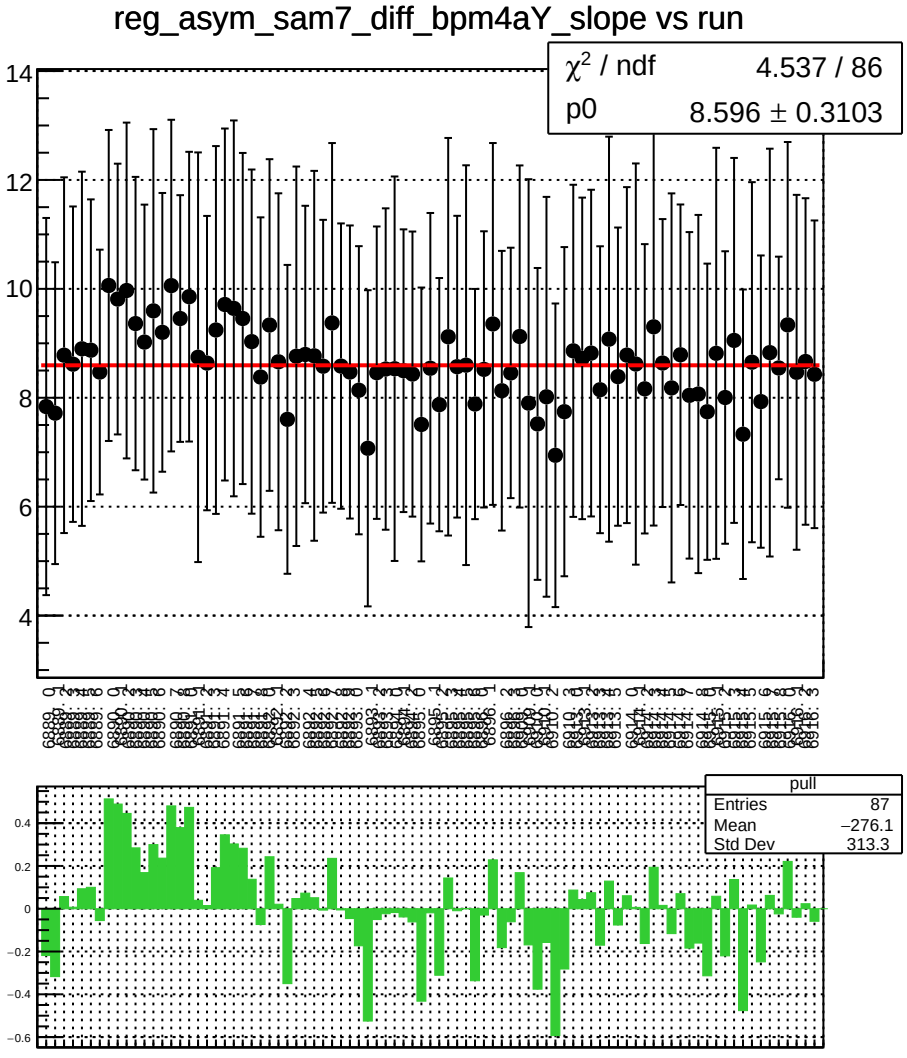

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 15.15 / 86
p0 62.3 ± 0.9158
pull
Entries 87
Mean −393.8
Std Dev 430.3

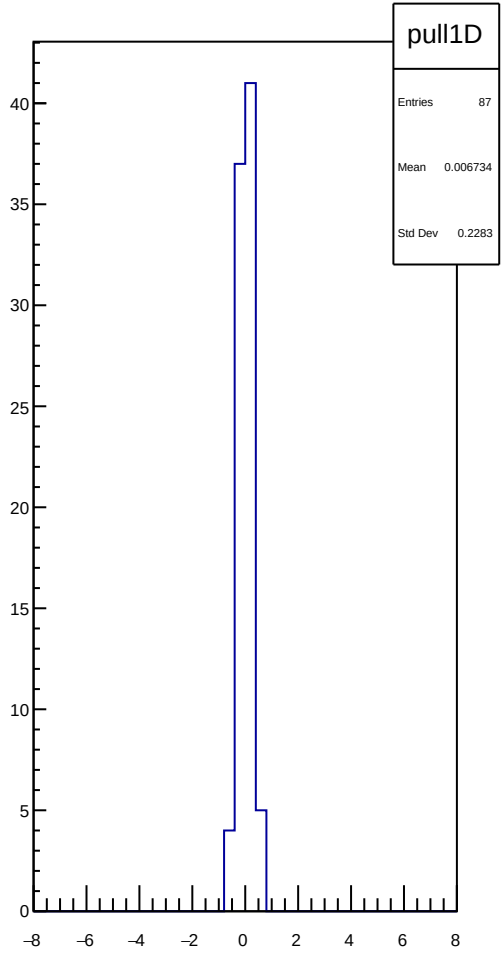

pull1D
Entries 87
Mean −0.00956
Std Dev 0.4172

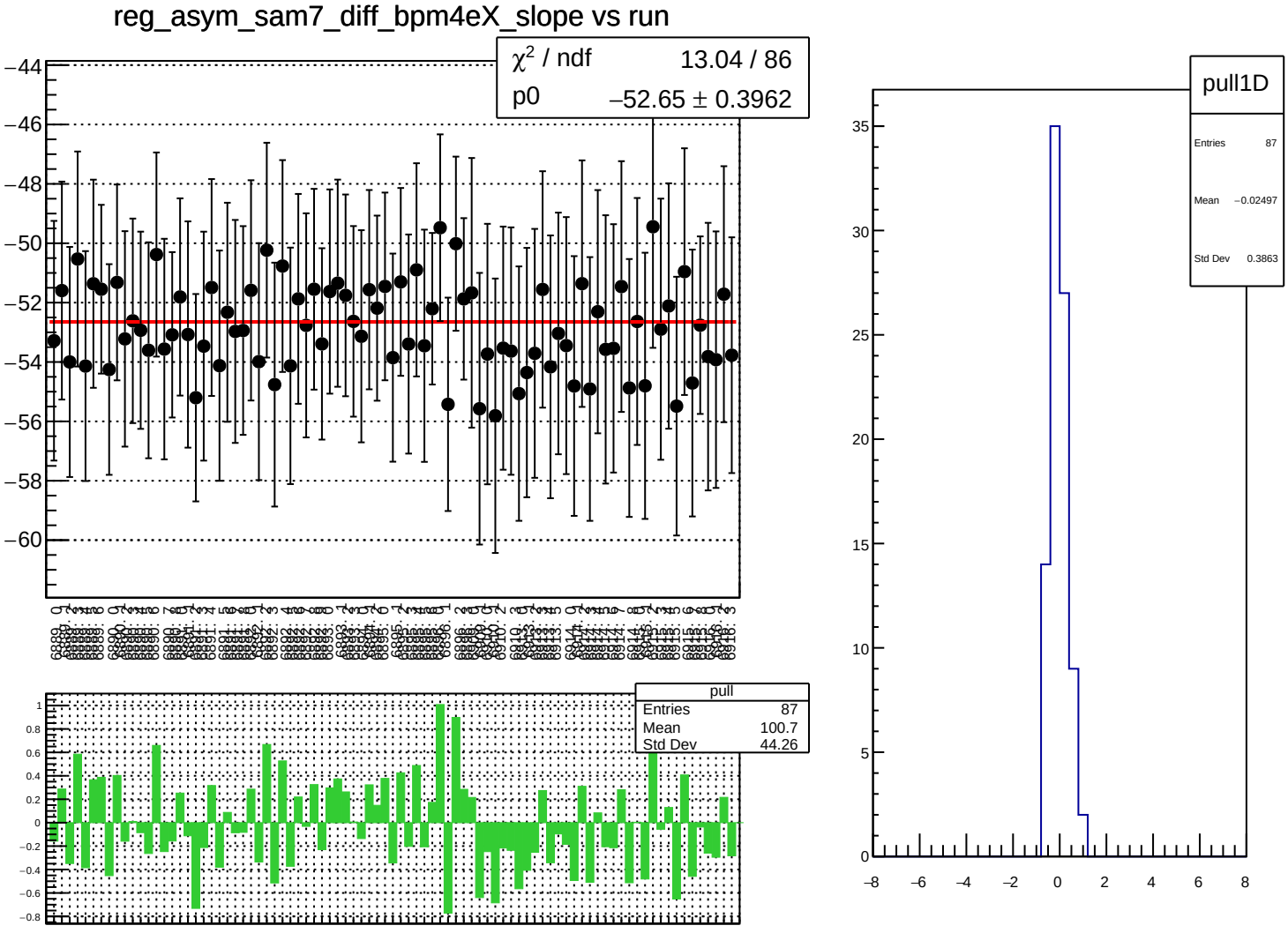

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 15.16 / 86
p0 −0.6344 ± 0.04012
pull
Entries 87
Mean −397.3
Std Dev 393.1
pull1D
Entries 87
Mean −0.003359
Std Dev 0.4174

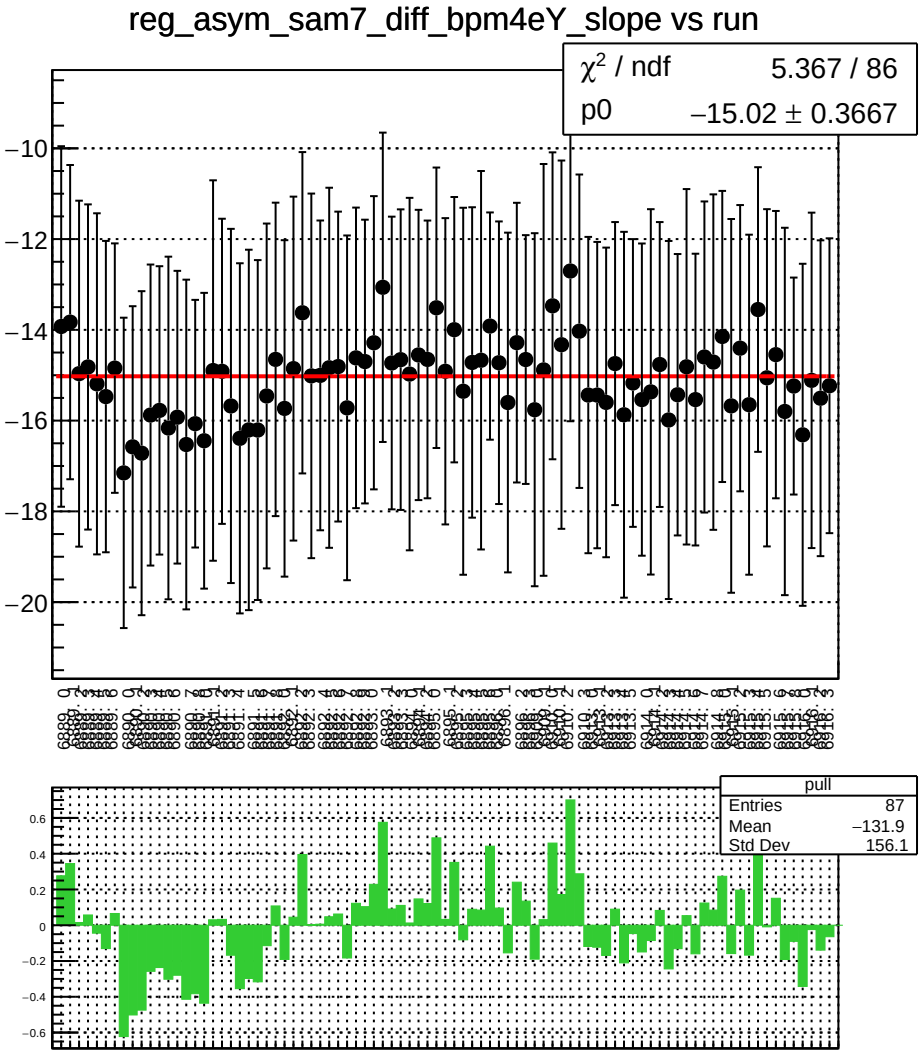

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 13.39 / 86
p0 12.99 ± 0.414
pull
Entries 87
Mean 133.3
Std Dev 79.22

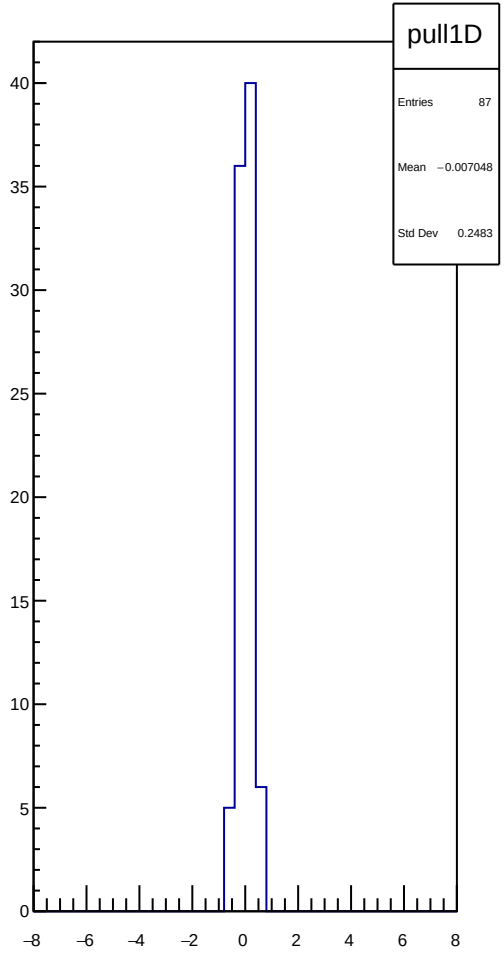

pull1D
Entries 87
Mean 0.03535
Std Dev 0.3907

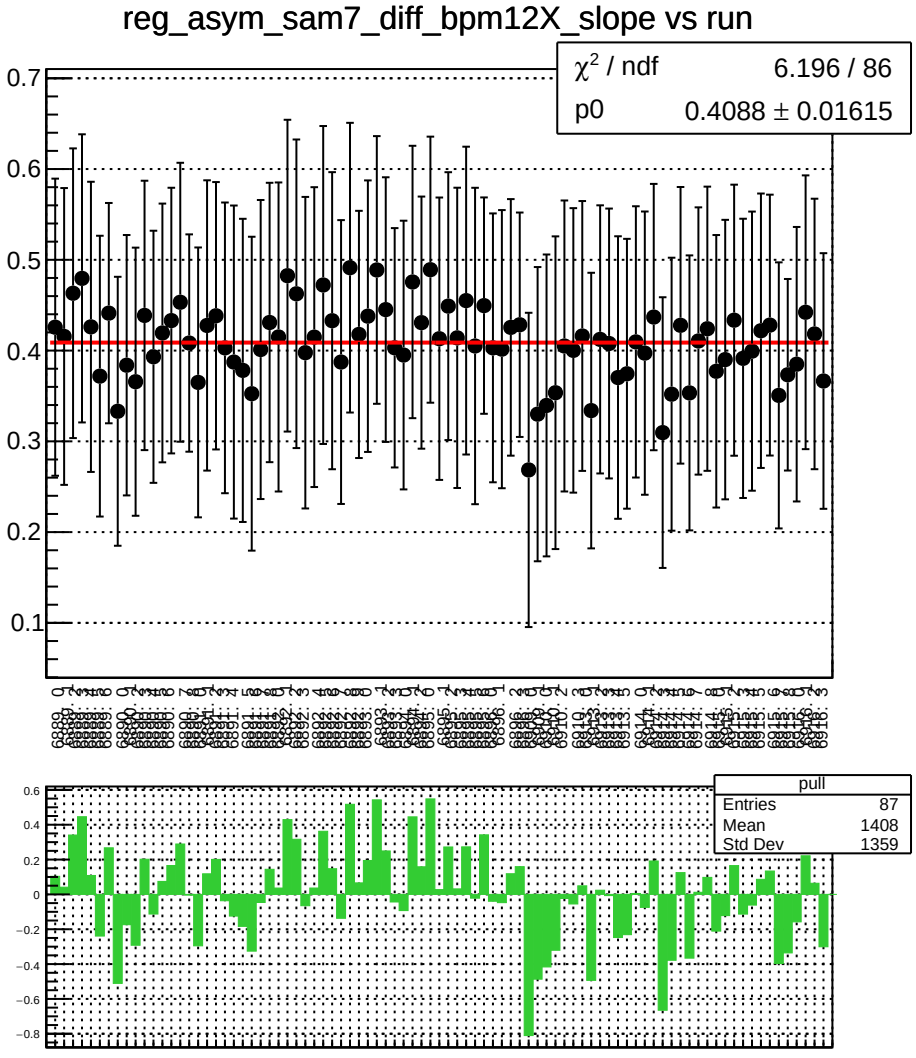

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 4.537 / 86
p0 8.596 ± 0.3103
pull
Entries 87
Mean −276.1
Std Dev 313.3

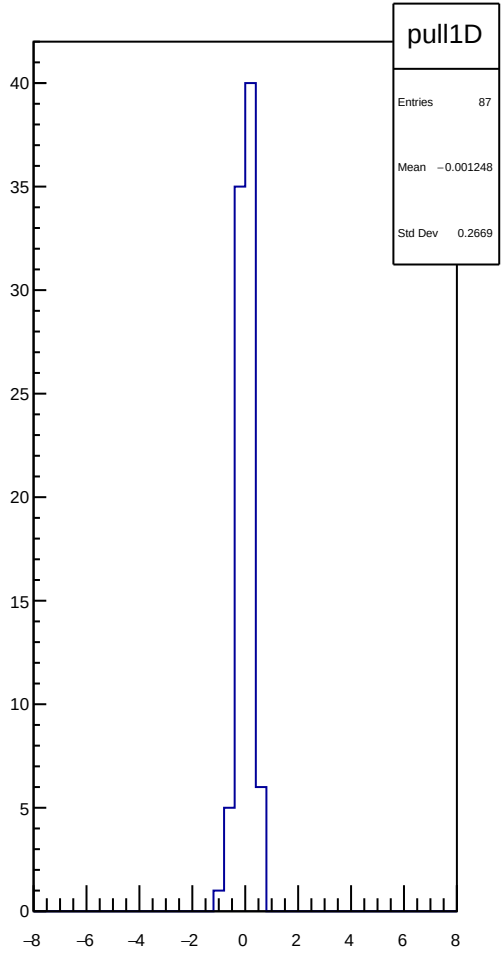

pull1D
Entries 87
Mean 0.006734
Std Dev 0.2283

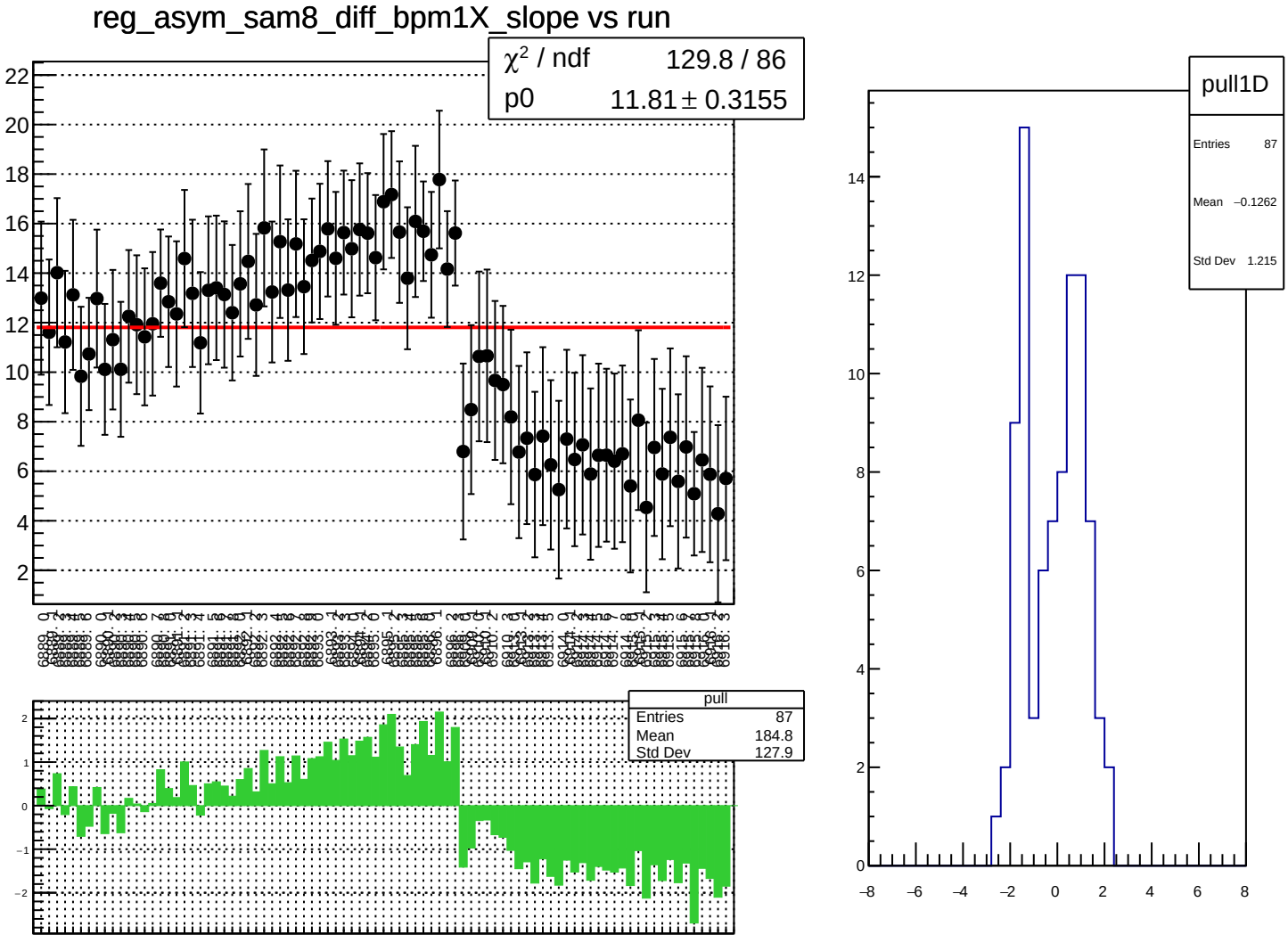

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 13.04 / 86
p0 −52.65 ± 0.3962
pull
Entries 87
Mean 100.7
Std Dev 44.26
pull1D
Entries 87
Mean −0.02497
Std Dev 0.3863

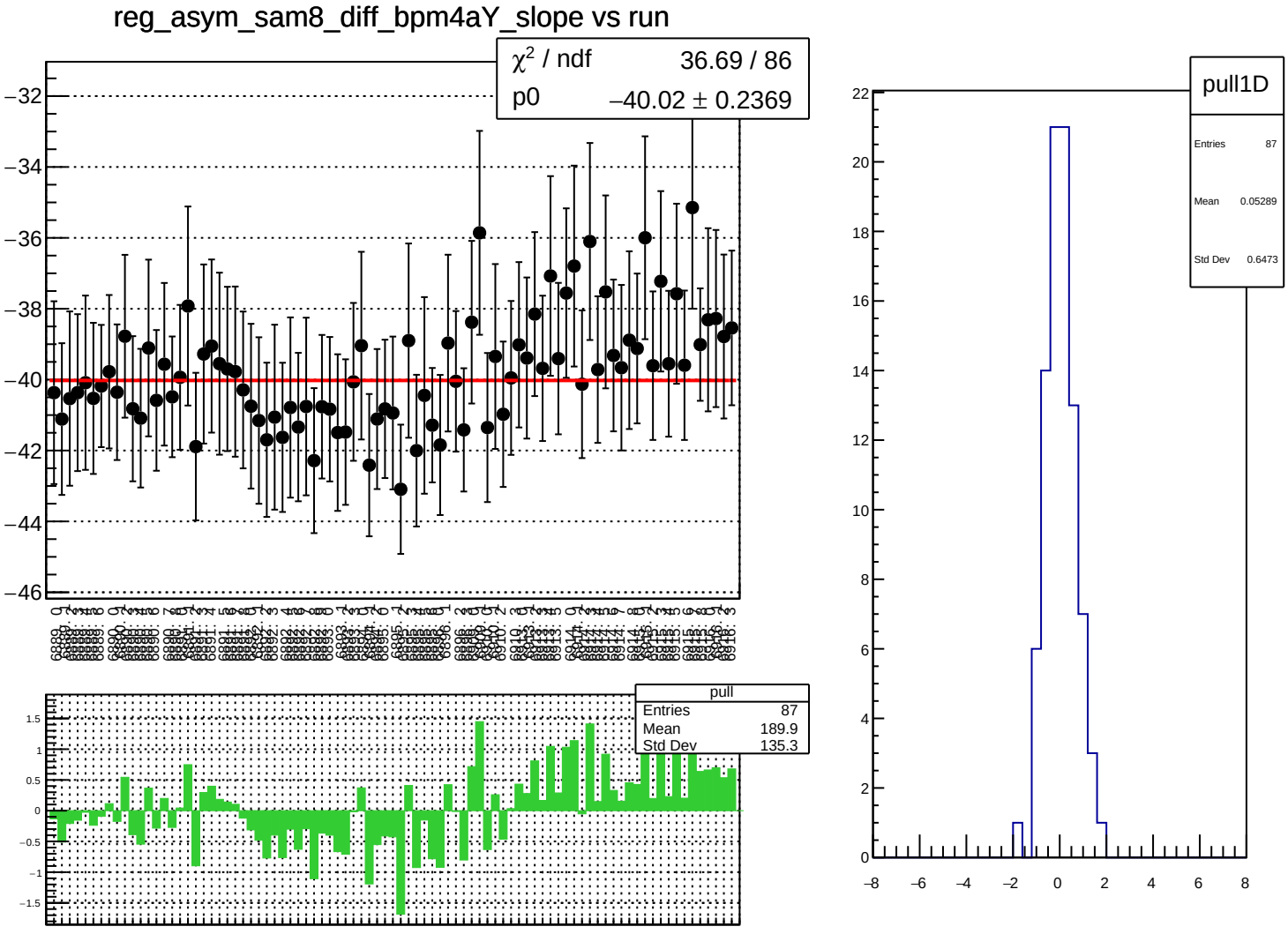

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 5.367 / 86
p0 −15.02 ± 0.3667
pull
Entries 87
Mean −131.9
Std Dev 156.1

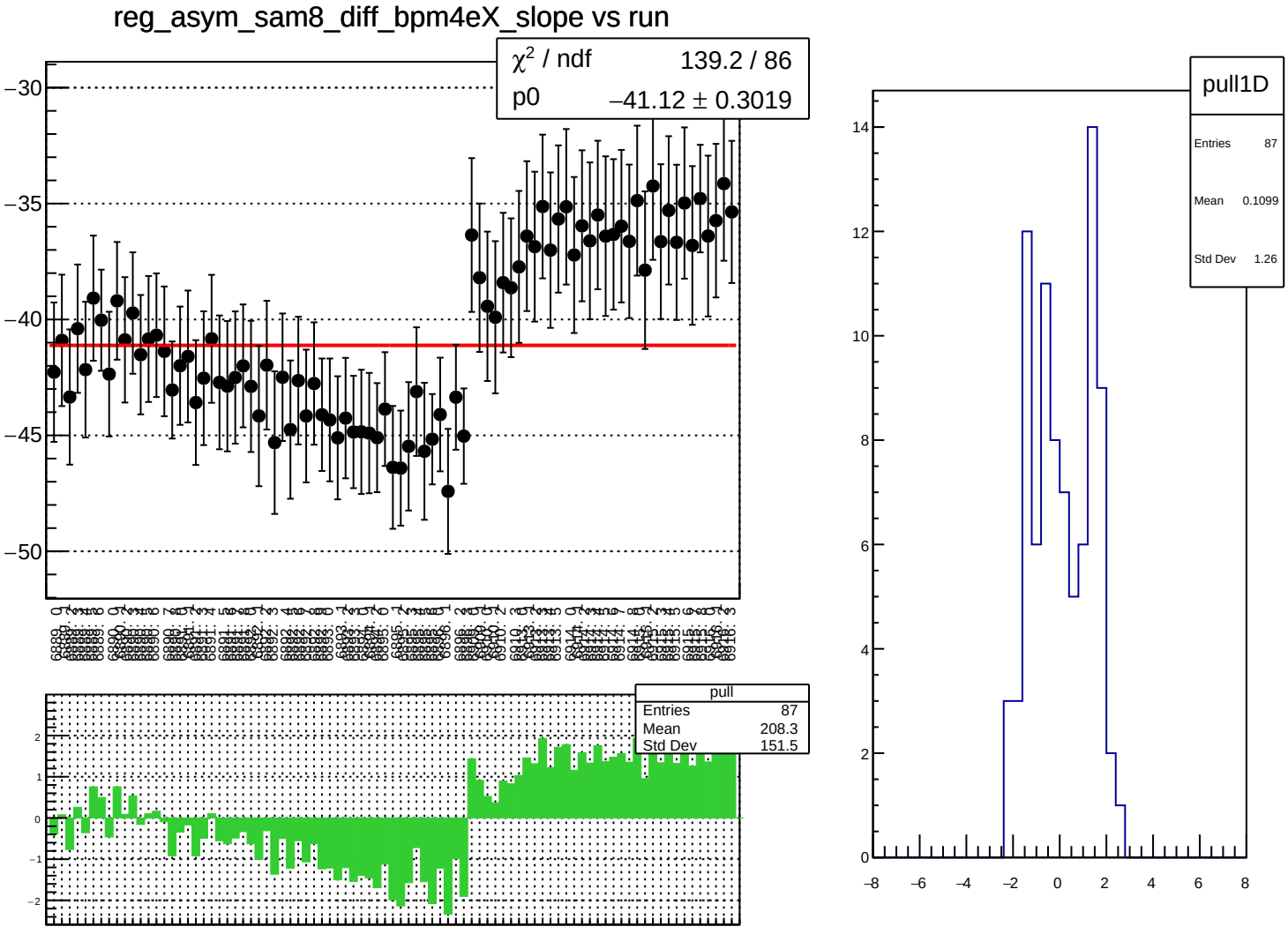

pull1D
Entries 87
Mean −0.007048
Std Dev 0.2483

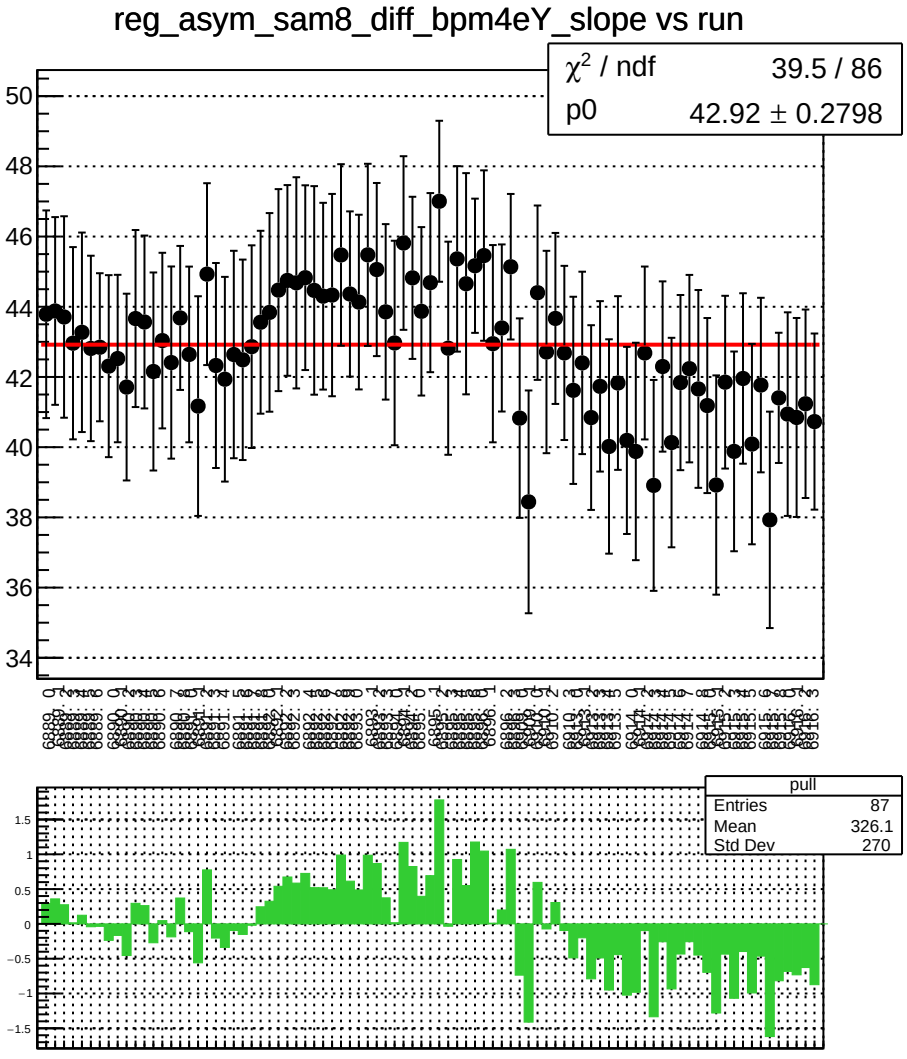

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 6.196 / 86
p0 0.4088 ± 0.01615
pull
Entries 87
Mean 1408
Std Dev 1359

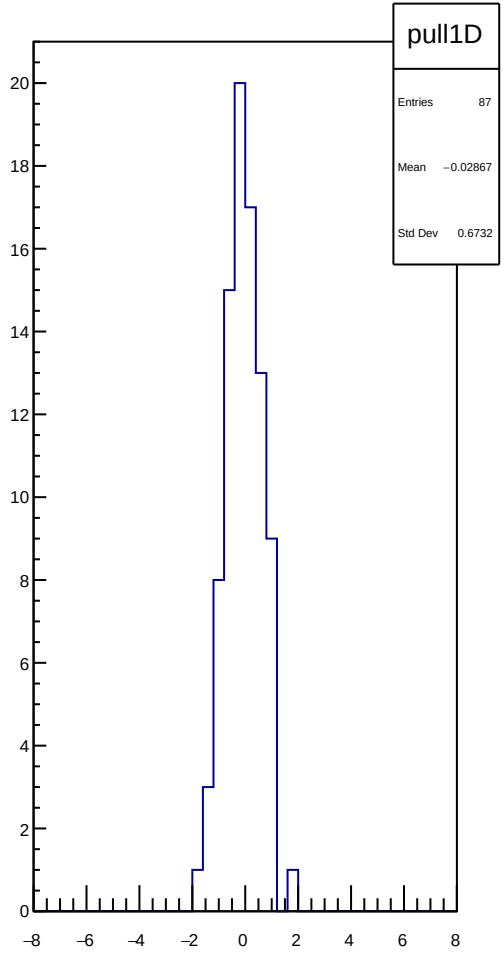

pull1D
Entries 87
Mean −0.001248
Std Dev 0.2669

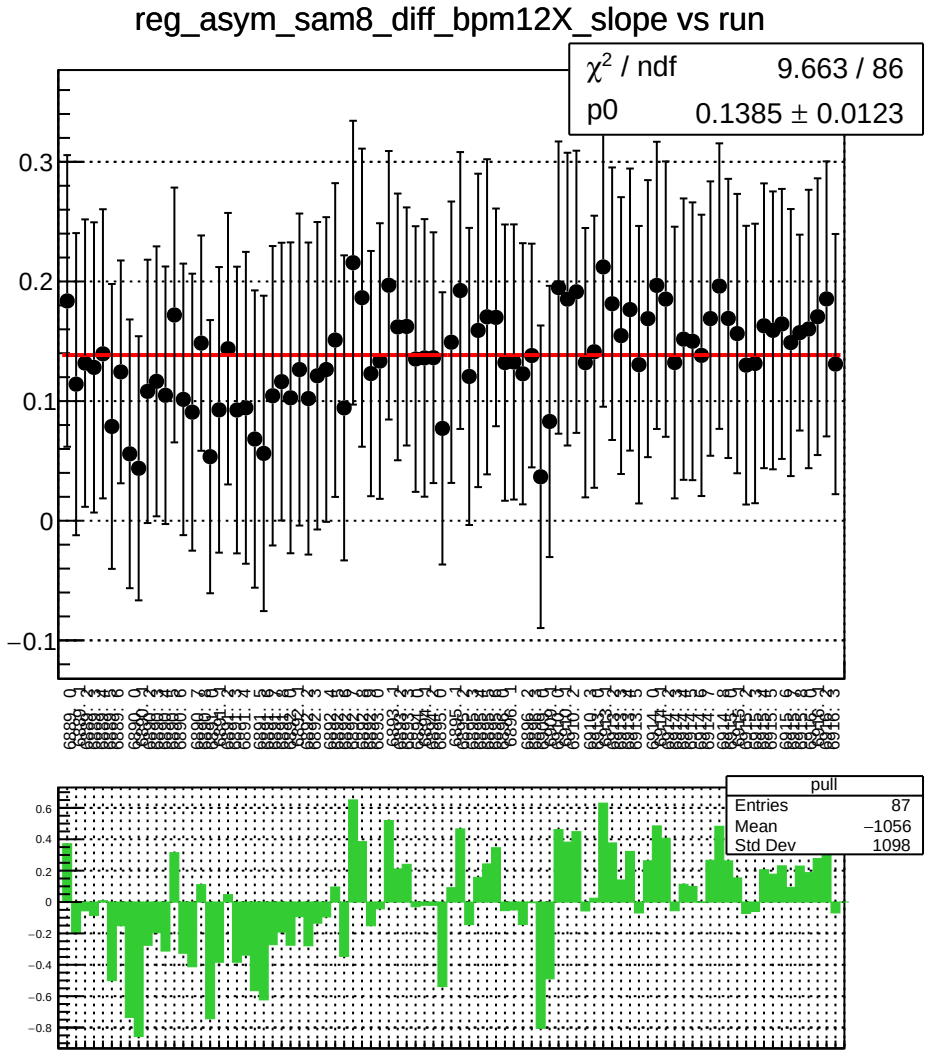

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 129.8 / 86
p0 11.81 ± 0.3155
pull
Entries 87
Mean 184.8
Std Dev 127.9
pull1D
Entries 87
Mean −0.1262
Std Dev 1.215

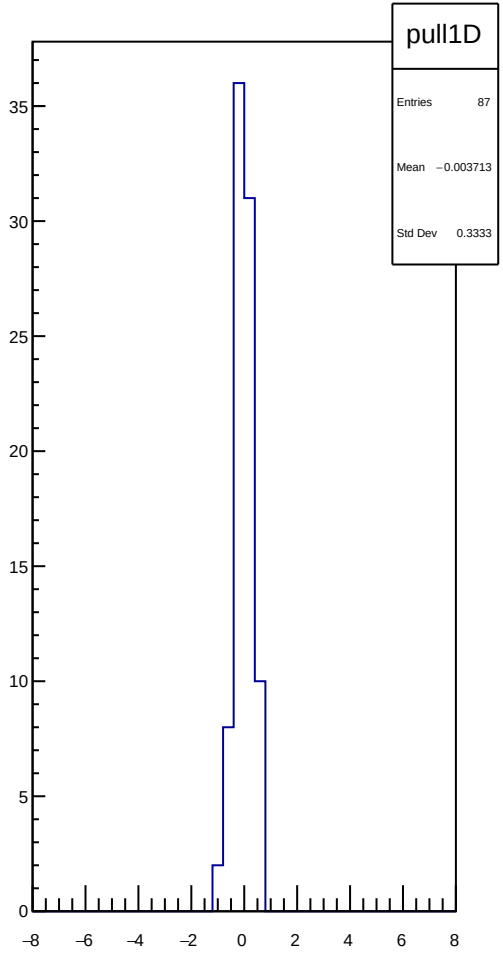

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 36.69 / 86
p0 −40.02 ± 0.2369
pull
Entries 87
Mean 189.9
Std Dev 135.3
pull1D
Entries 87
Mean 0.05289
Std Dev 0.6473

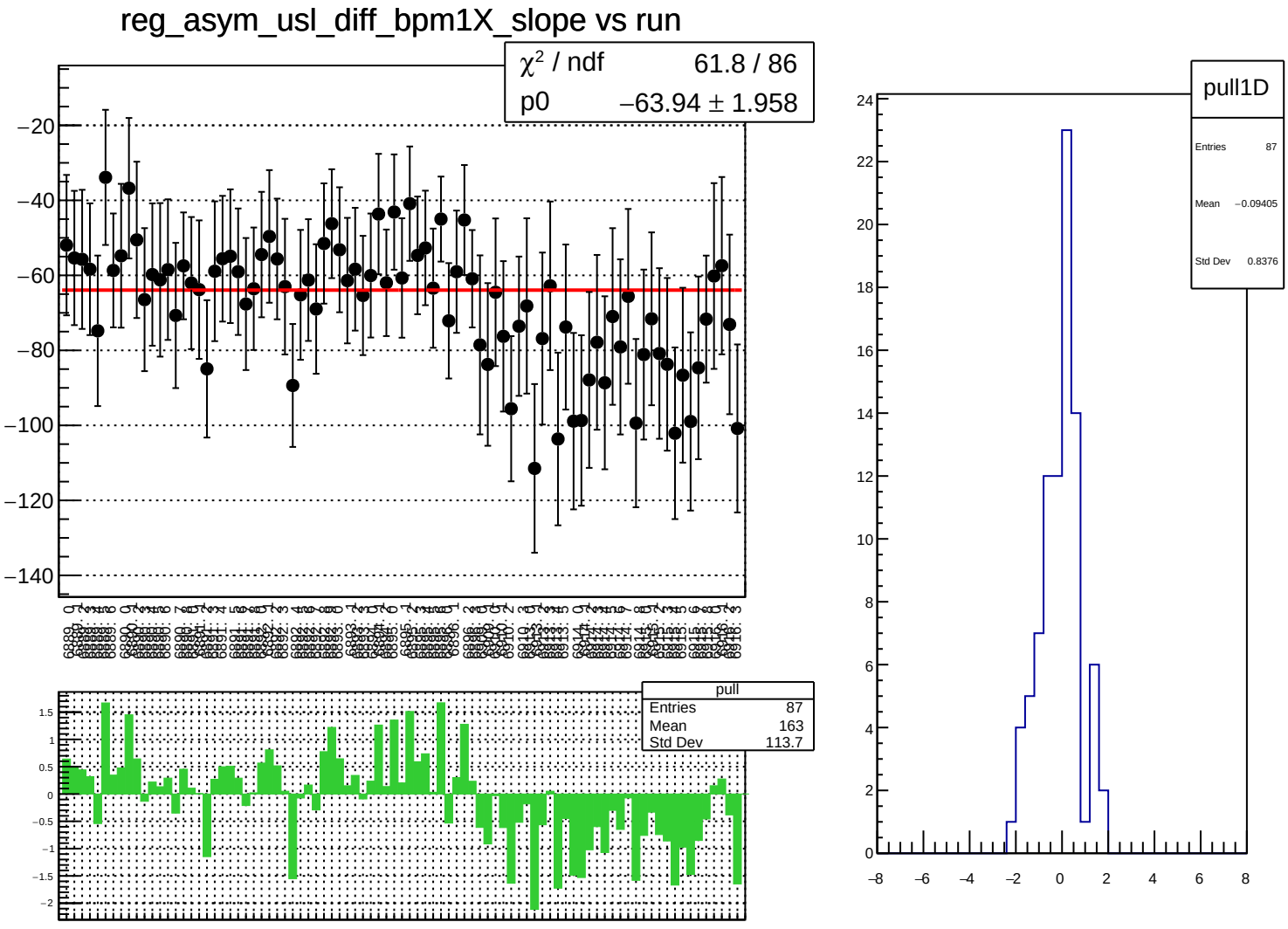

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 139.2 / 86
p0 −41.12 ± 0.3019
pull
Entries 87
Mean 208.3
Std Dev 151.5
pull1D
Entries 87
Mean 0.1099
Std Dev 1.26

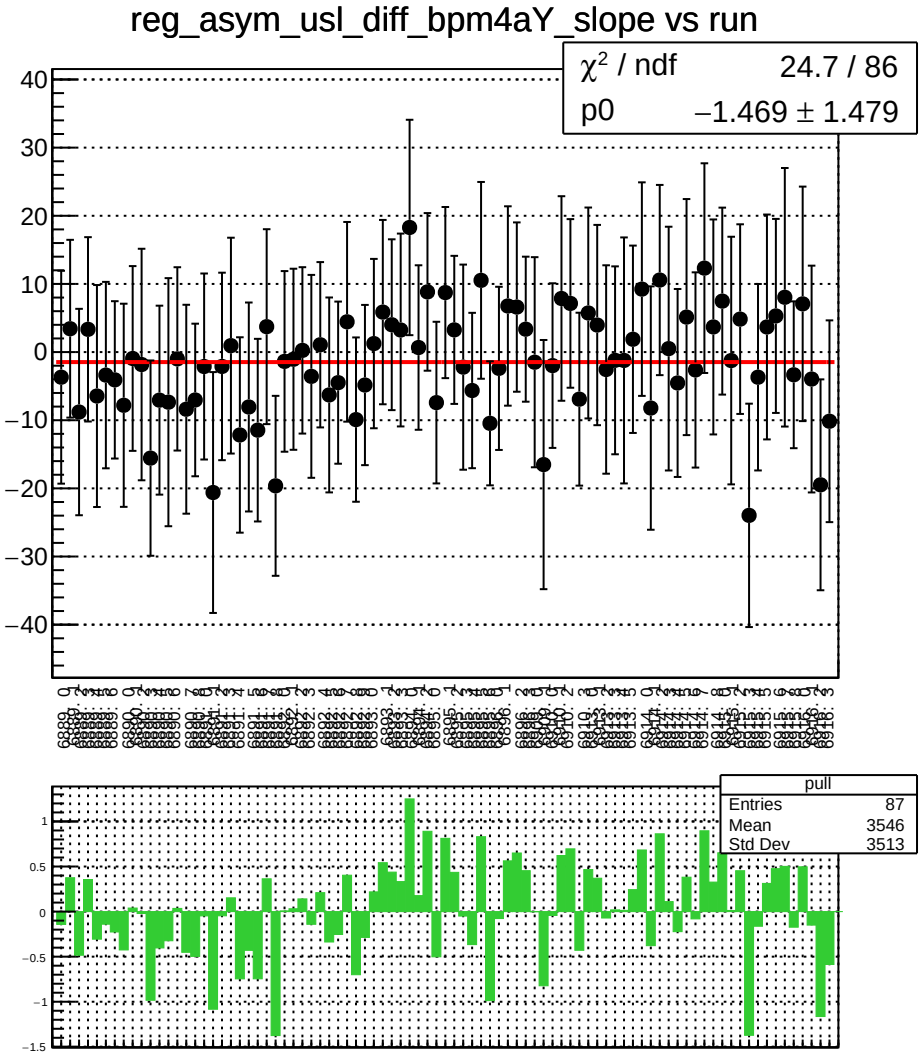

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 39.5 / 86
p0 42.92 ± 0.2798
pull
Entries 87
Mean 326.1
Std Dev 270

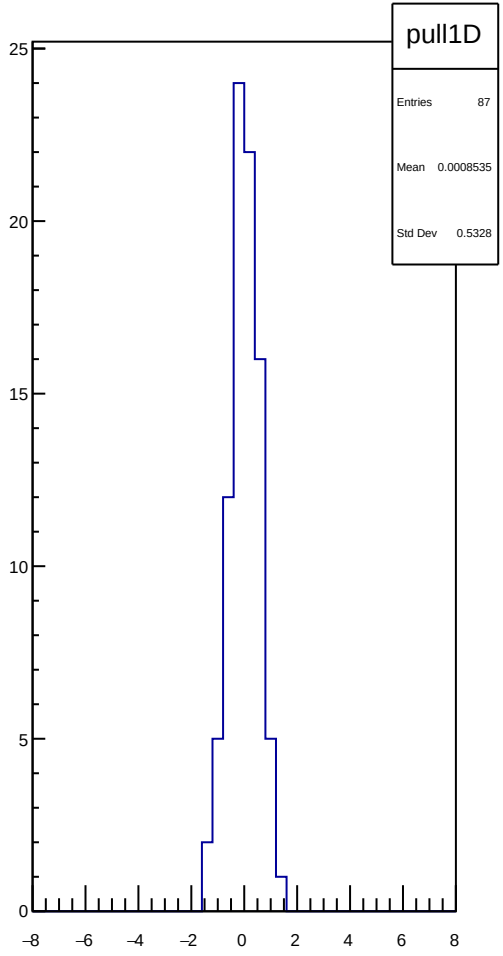

pull1D
Entries 87
Mean −0.02867
Std Dev 0.6732

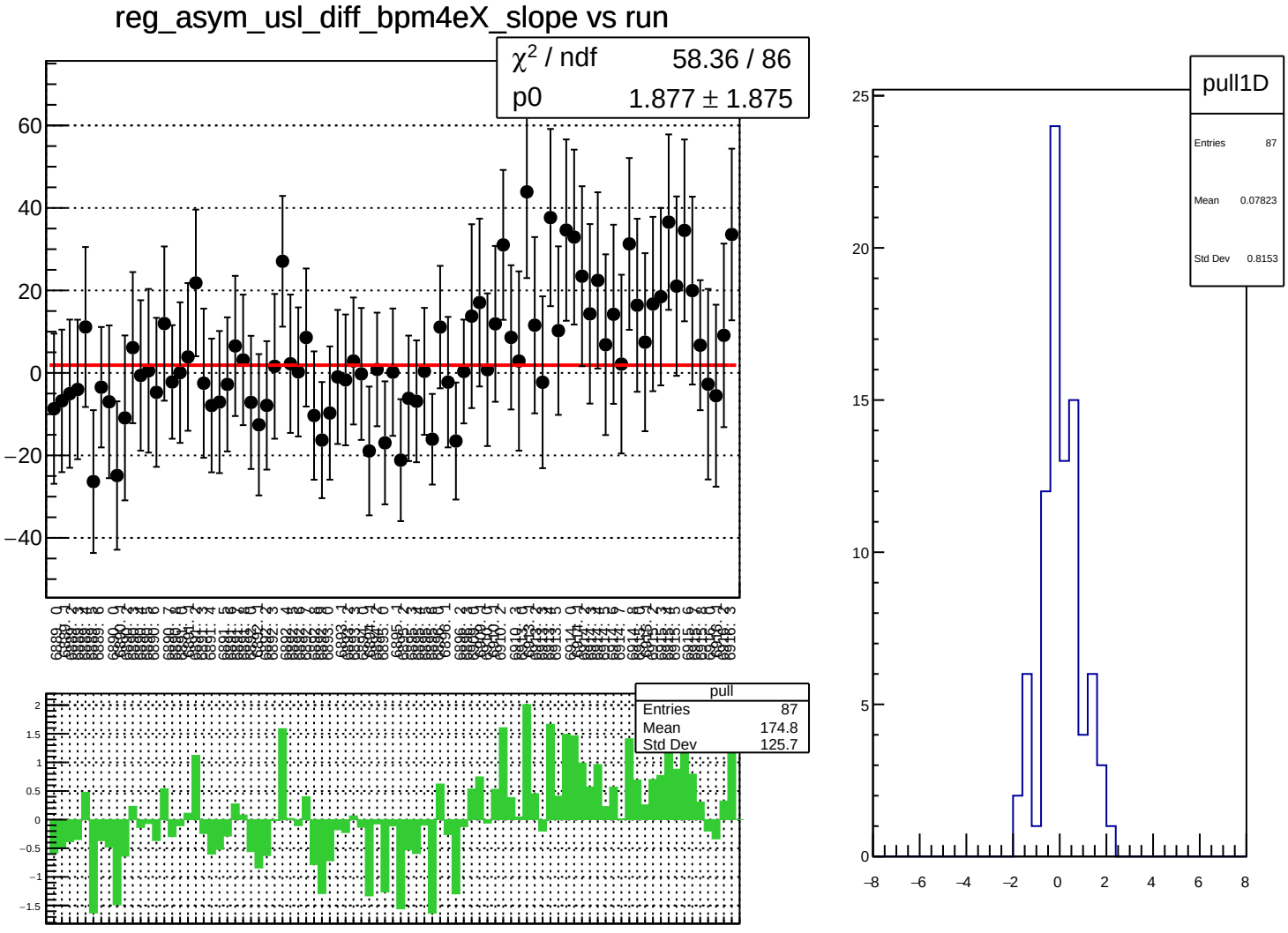

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 9.663 / 86
p0 0.1385 ± 0.0123
pull
Entries 87
Mean −1056
Std Dev 1098

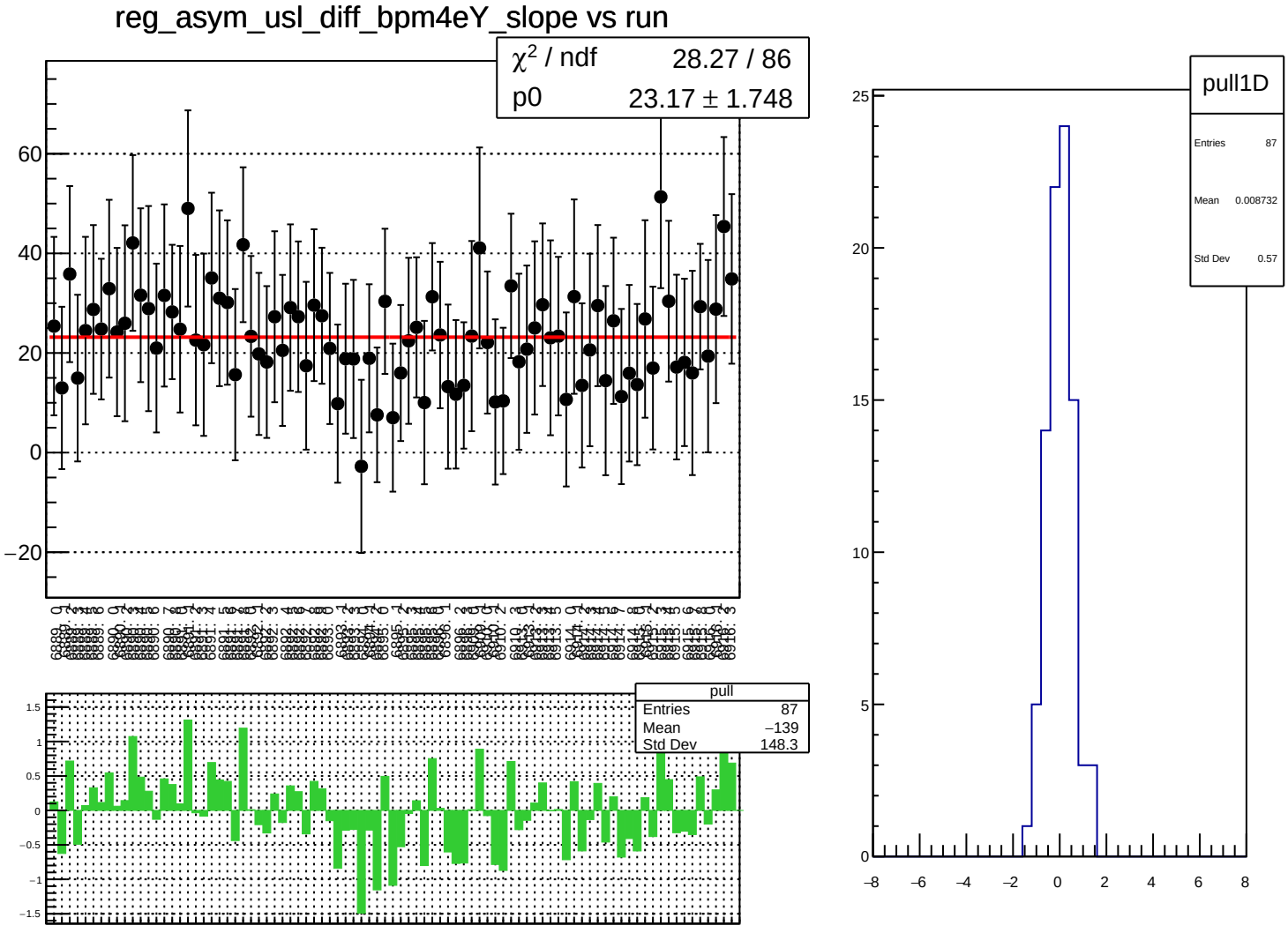

pull1D
Entries 87
Mean −0.003713
Std Dev 0.3333

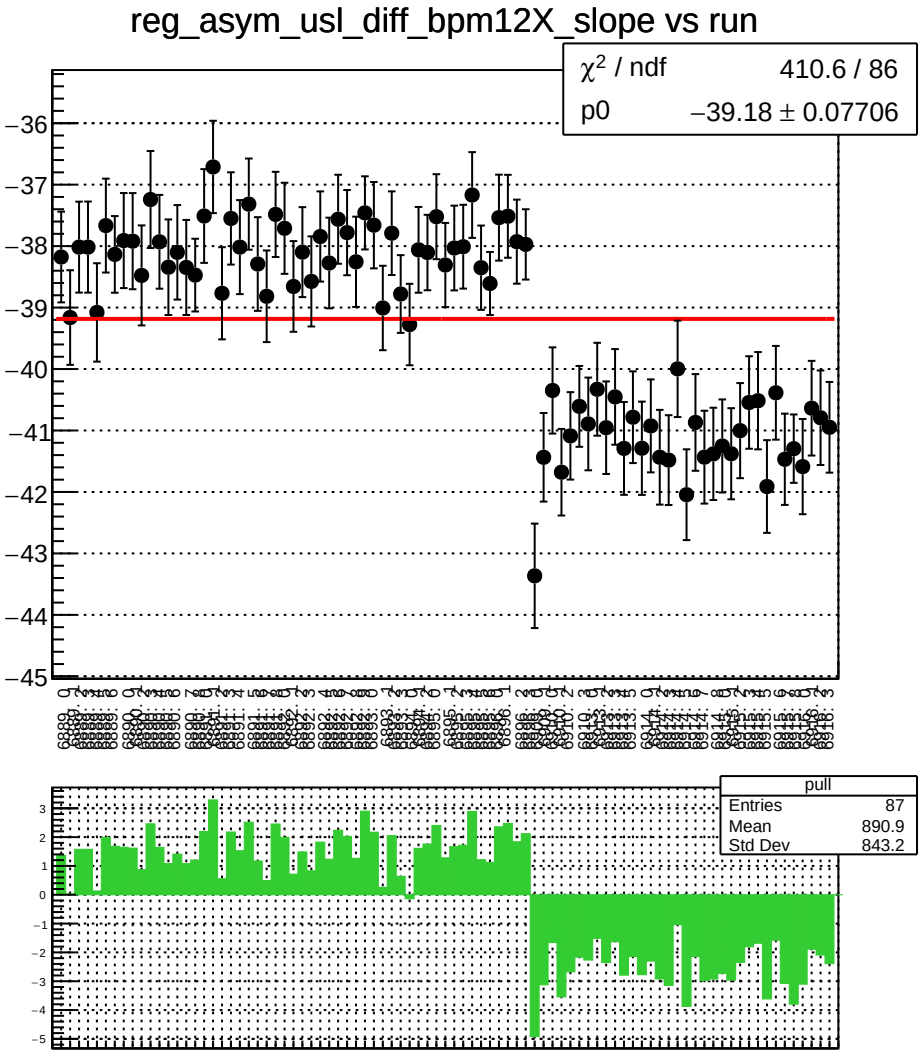

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 61.8 / 86
p0 −63.94 ± 1.958
pull
Entries 87
Mean 163
Std Dev 113.7
pull1D
Entries 87
Mean −0.09405
Std Dev 0.8376

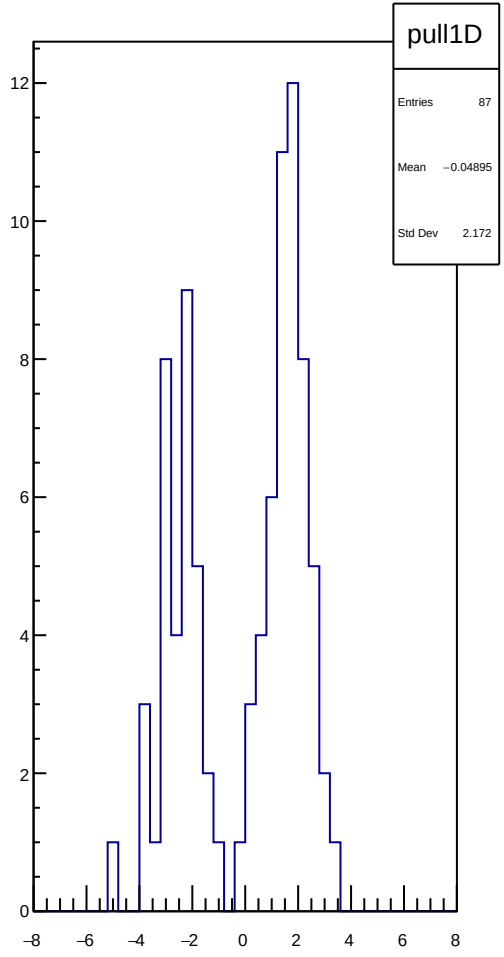

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 24.7 / 86
p0 −1.469 ± 1.479
pull
Entries 87
Mean 3546
Std Dev 3513

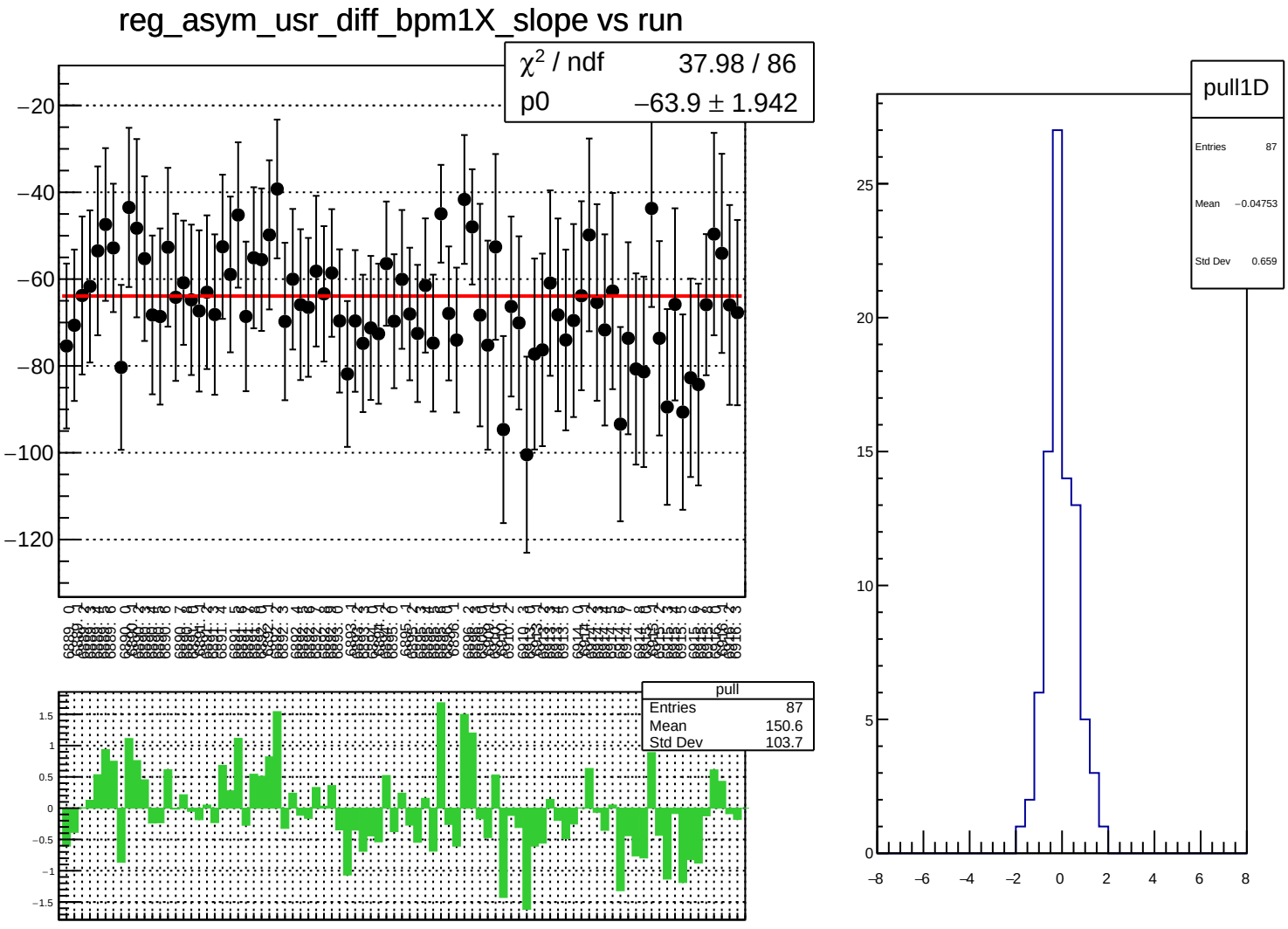

pull1D
Entries 87
Mean 0.0008535
Std Dev 0.5328

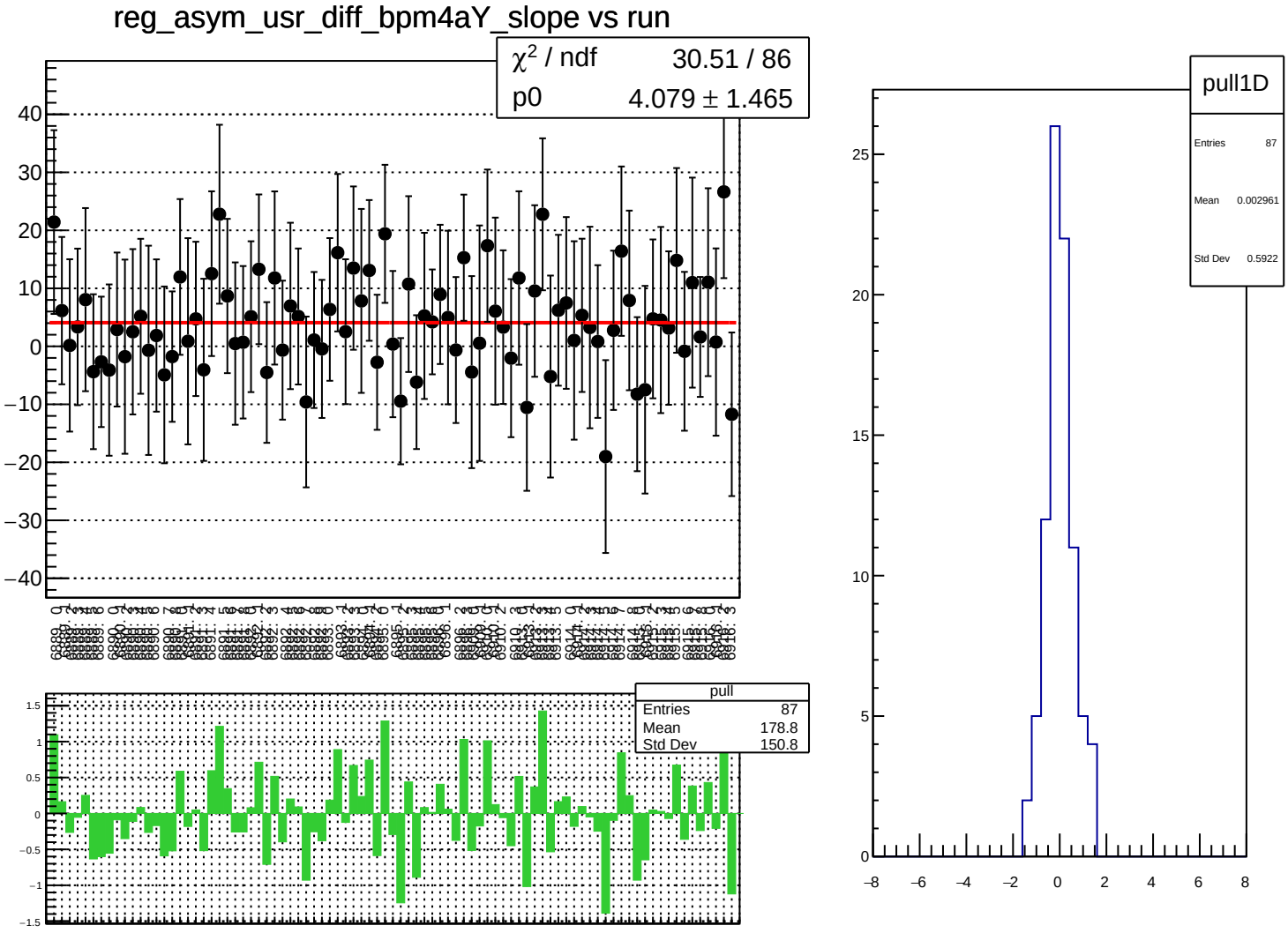

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 58.36 / 86
p0 1.877 ± 1.875
pull
Entries 87
Mean 174.8
Std Dev 125.7
pull1D
Entries 87
Mean 0.07823
Std Dev 0.8153

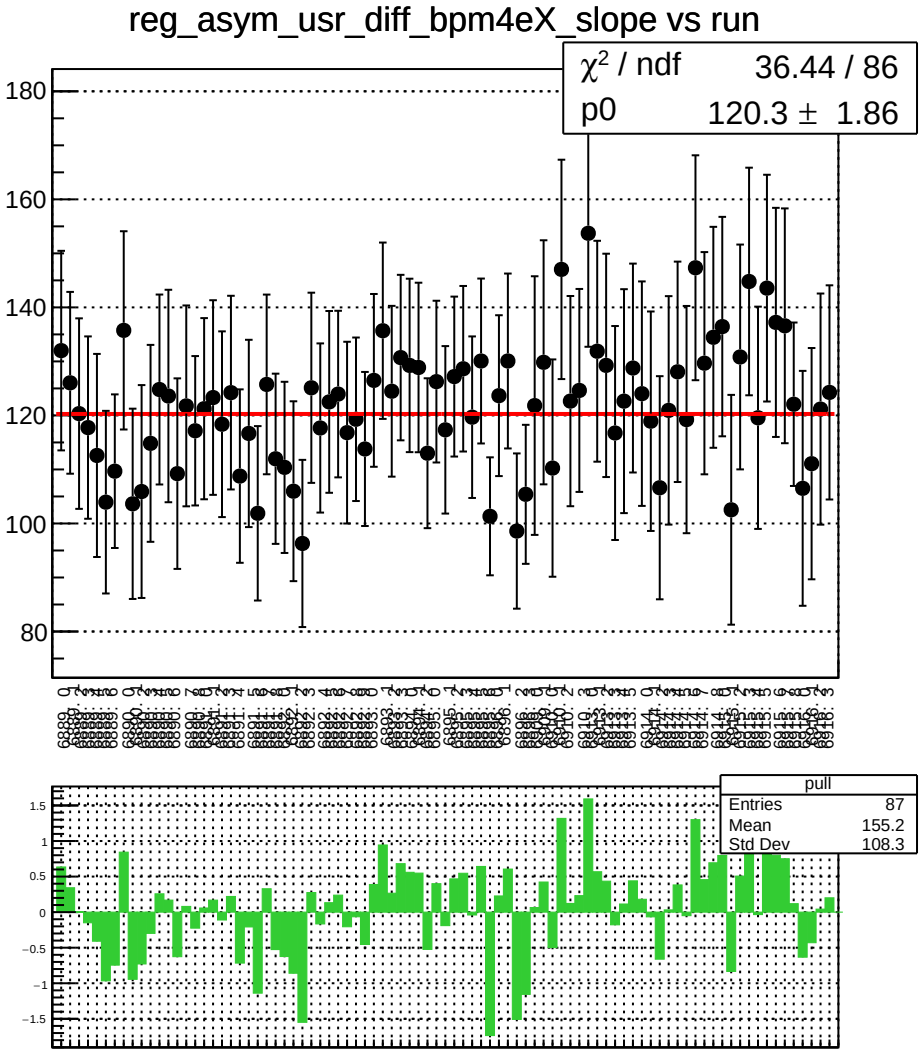

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 28.27 / 86
p0 23.17 ± 1.748
pull
Entries 87
Mean −139
Std Dev 148.3
pull1D
Entries 87
Mean 0.008732
Std Dev 0.57

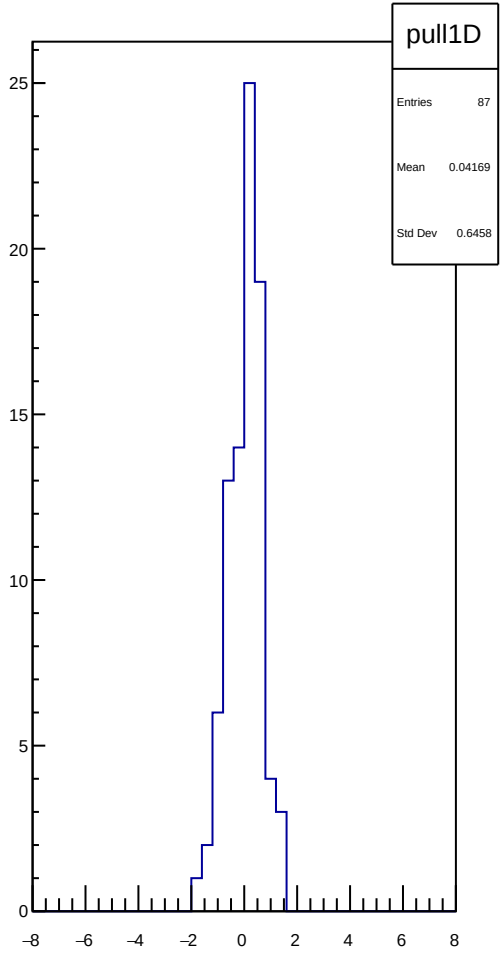

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 410.6 / 86
p0 −39.18 ± 0.07706
pull
Entries 87
Mean 890.9
Std Dev 843.2

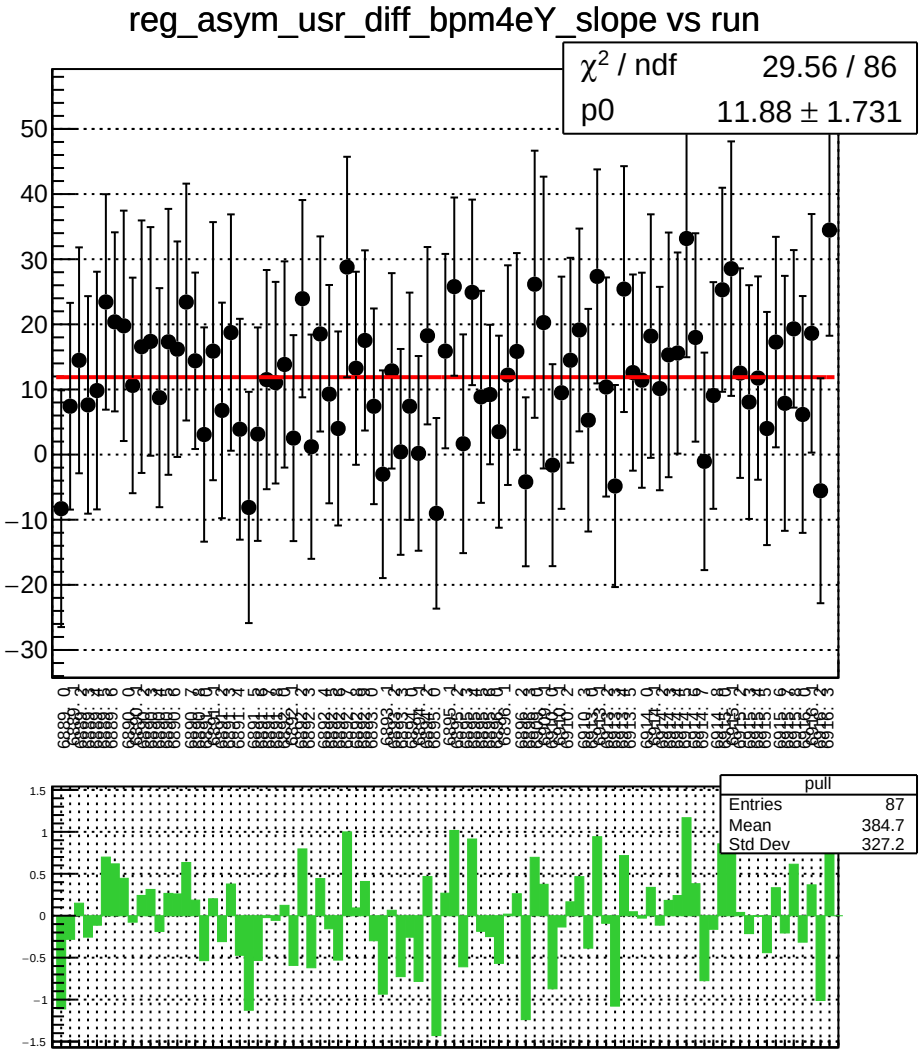

pull1D
Entries 87
Mean −0.04895
Std Dev 2.172

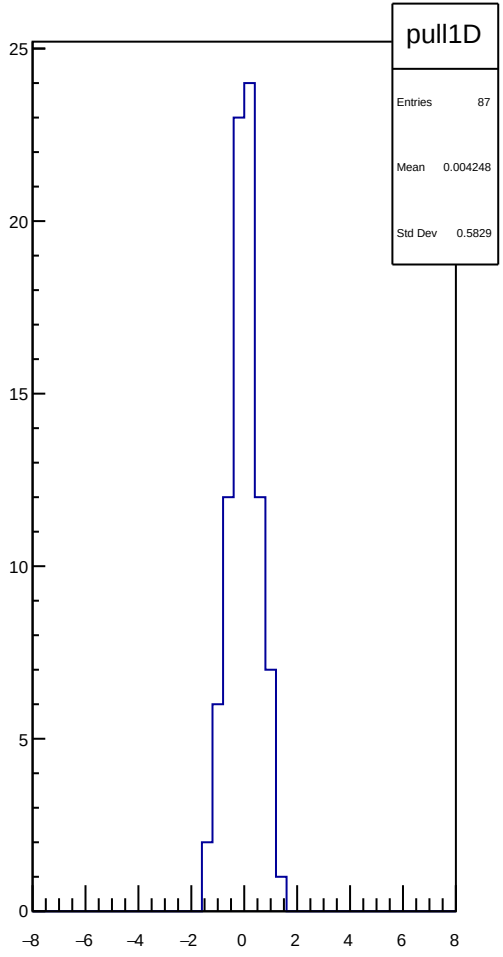

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 37.98 / 86
p0 −63.9 ± 1.942
pull
Entries 87
Mean 150.6
Std Dev 103.7
pull1D
Entries 87
Mean −0.04753
Std Dev 0.659

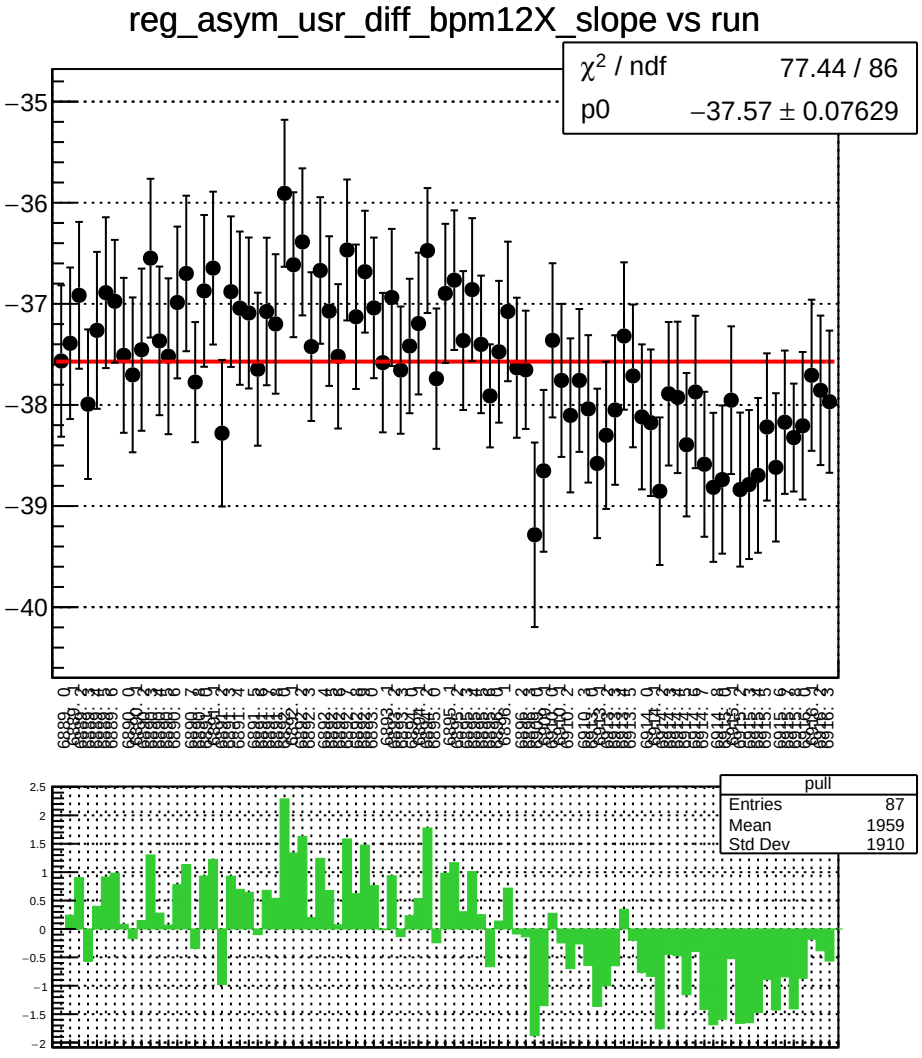

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 30.51 / 86
p0 4.079 ± 1.465
pull
Entries 87
Mean 178.8
Std Dev 150.8
pull1D
Entries 87
Mean 0.002961
Std Dev 0.5922

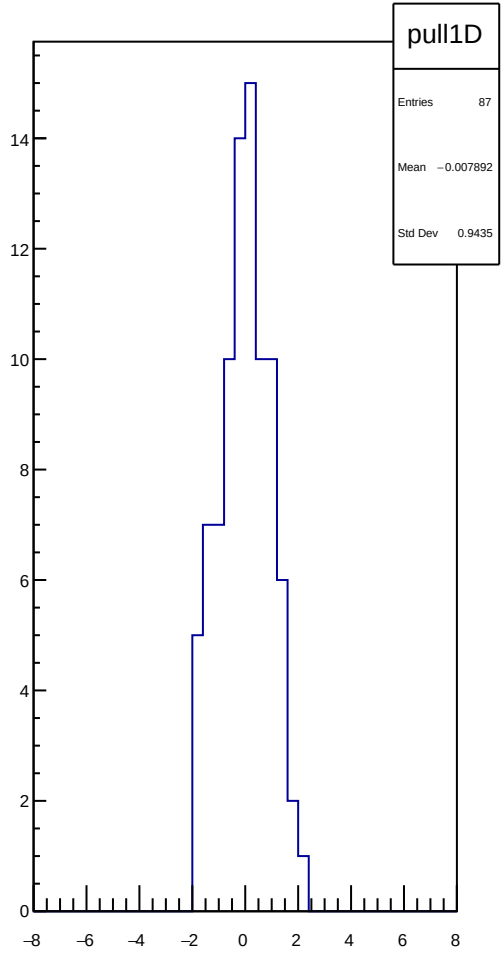

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 36.44 / 86
p0 120.3 ± 1.86
pull
Entries 87
Mean 155.2
Std Dev 108.3


pull1D
Entries 87
Mean 0.04169
Std Dev 0.6458

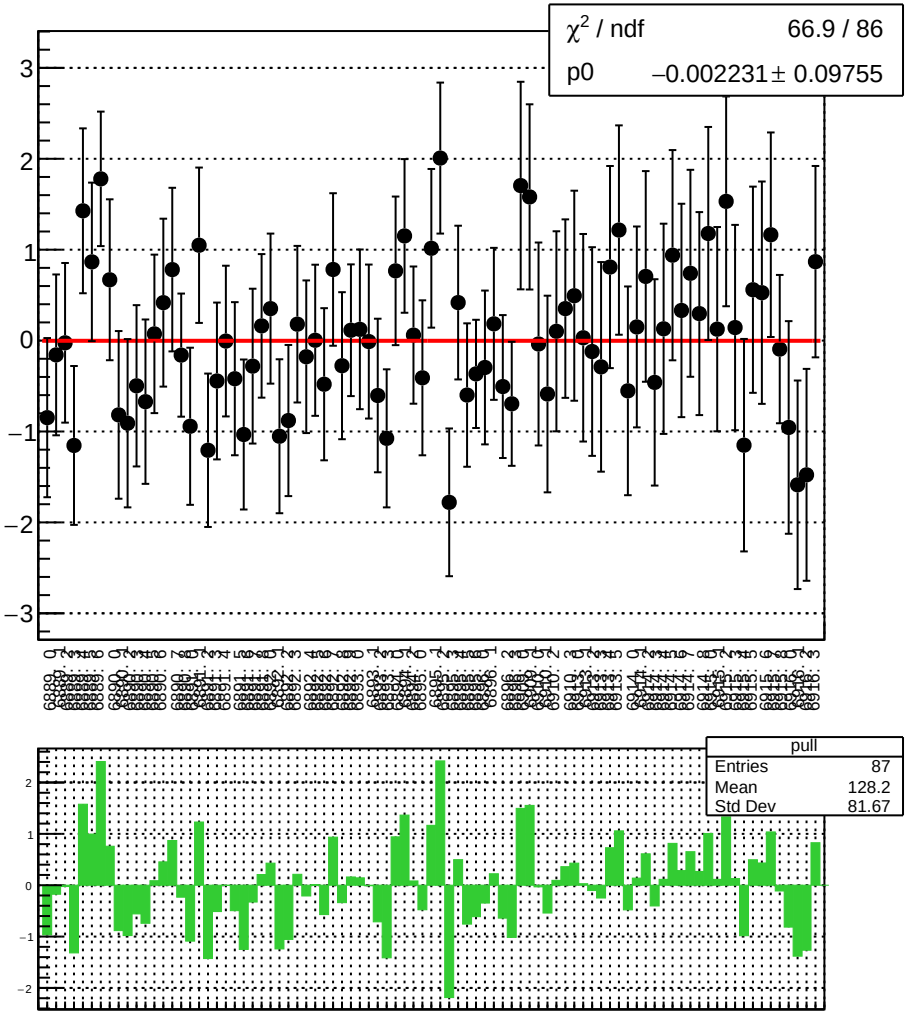

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 29.56 / 86
p0 11.88 ± 1.731
pull
Entries 87
Mean 384.7
Std Dev 327.2

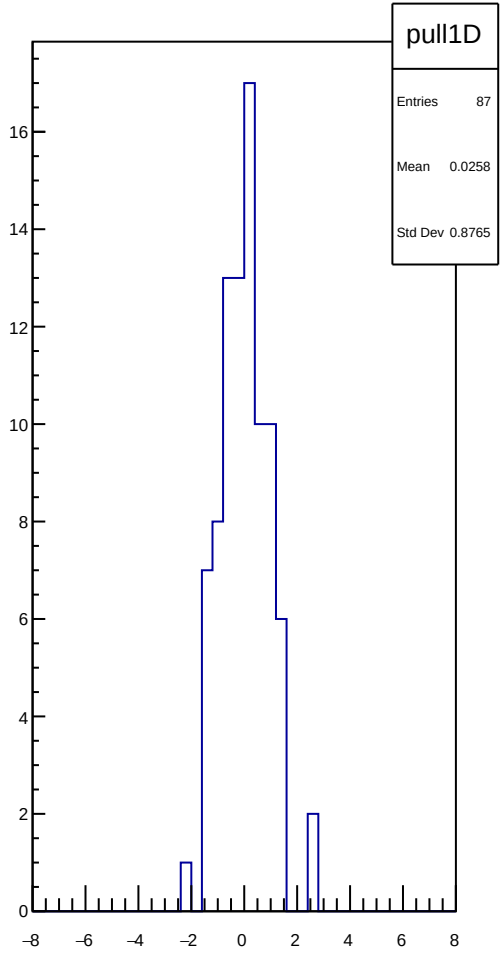

pull1D
Entries 87
Mean 0.004248
Std Dev 0.5829

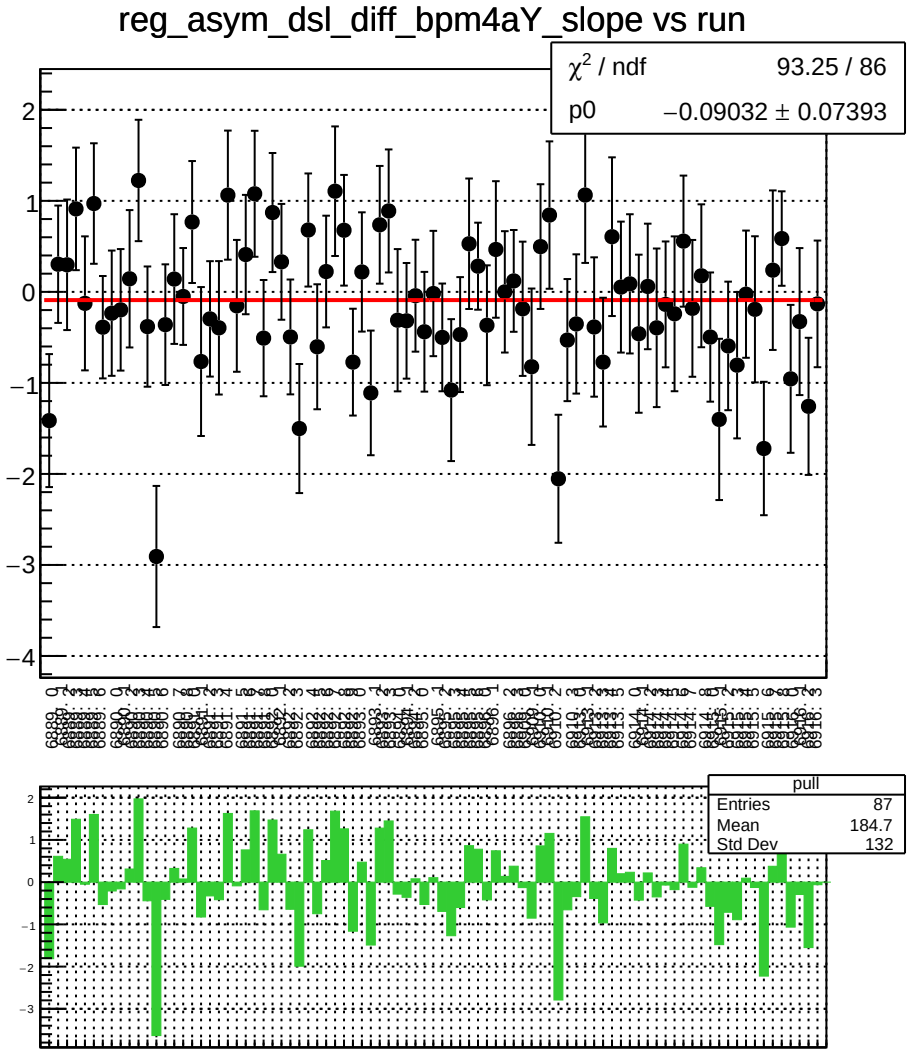

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 77.44 / 86
p0 −37.57 ± 0.07629
pull
Entries 87
Mean 1959
Std Dev 1910

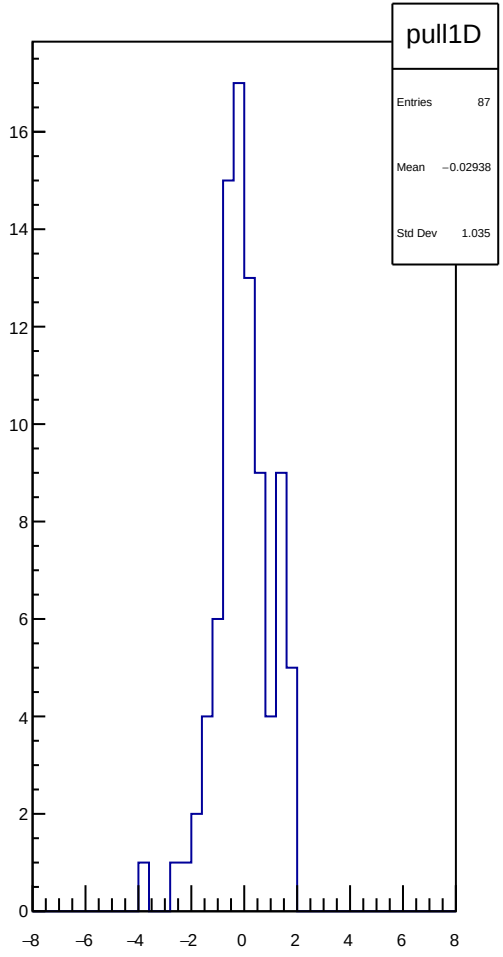

pull1D
Entries 87
Mean −0.007892
Std Dev 0.9435

reg_asym_dsl_diff_bpm1X_slope vs run

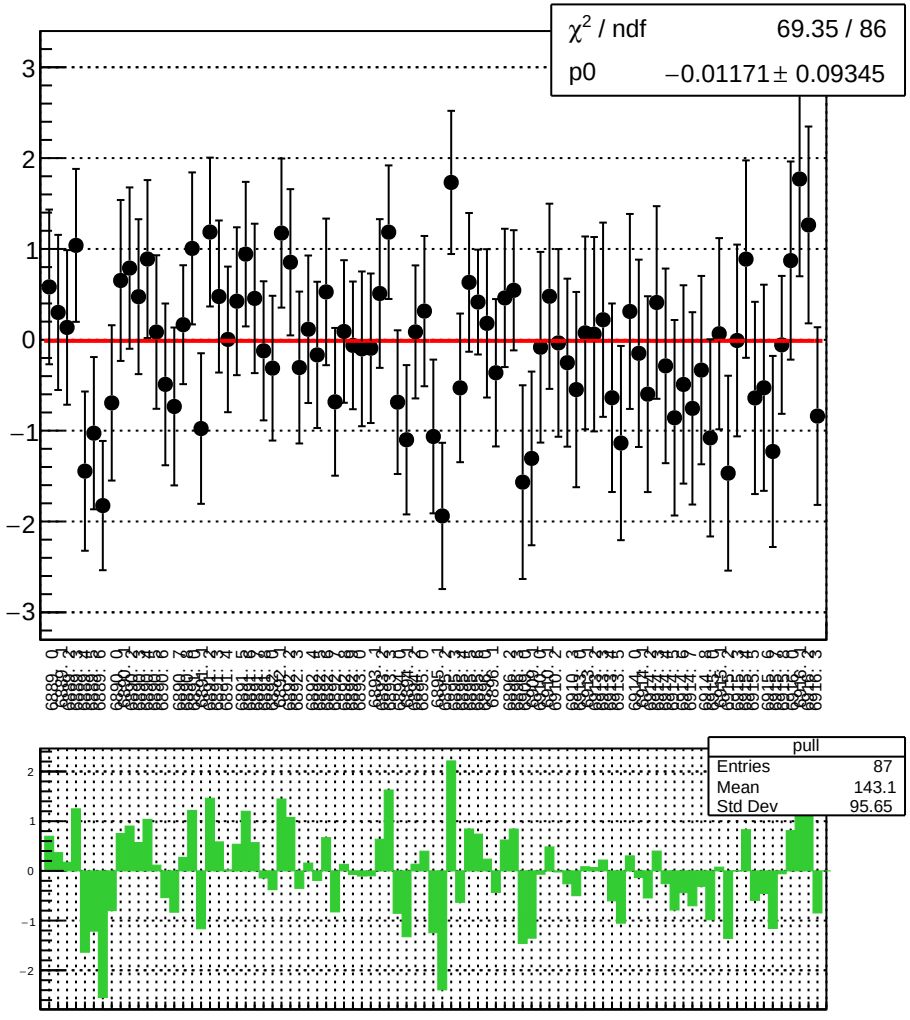


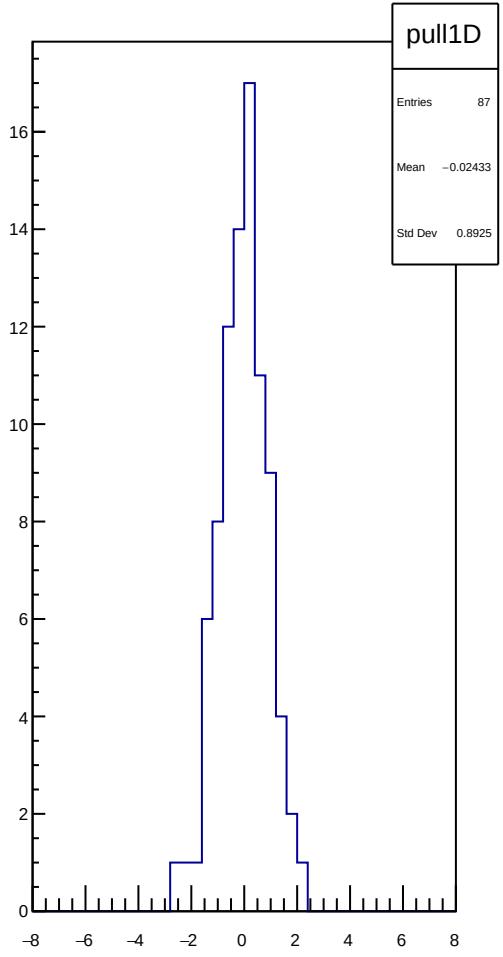


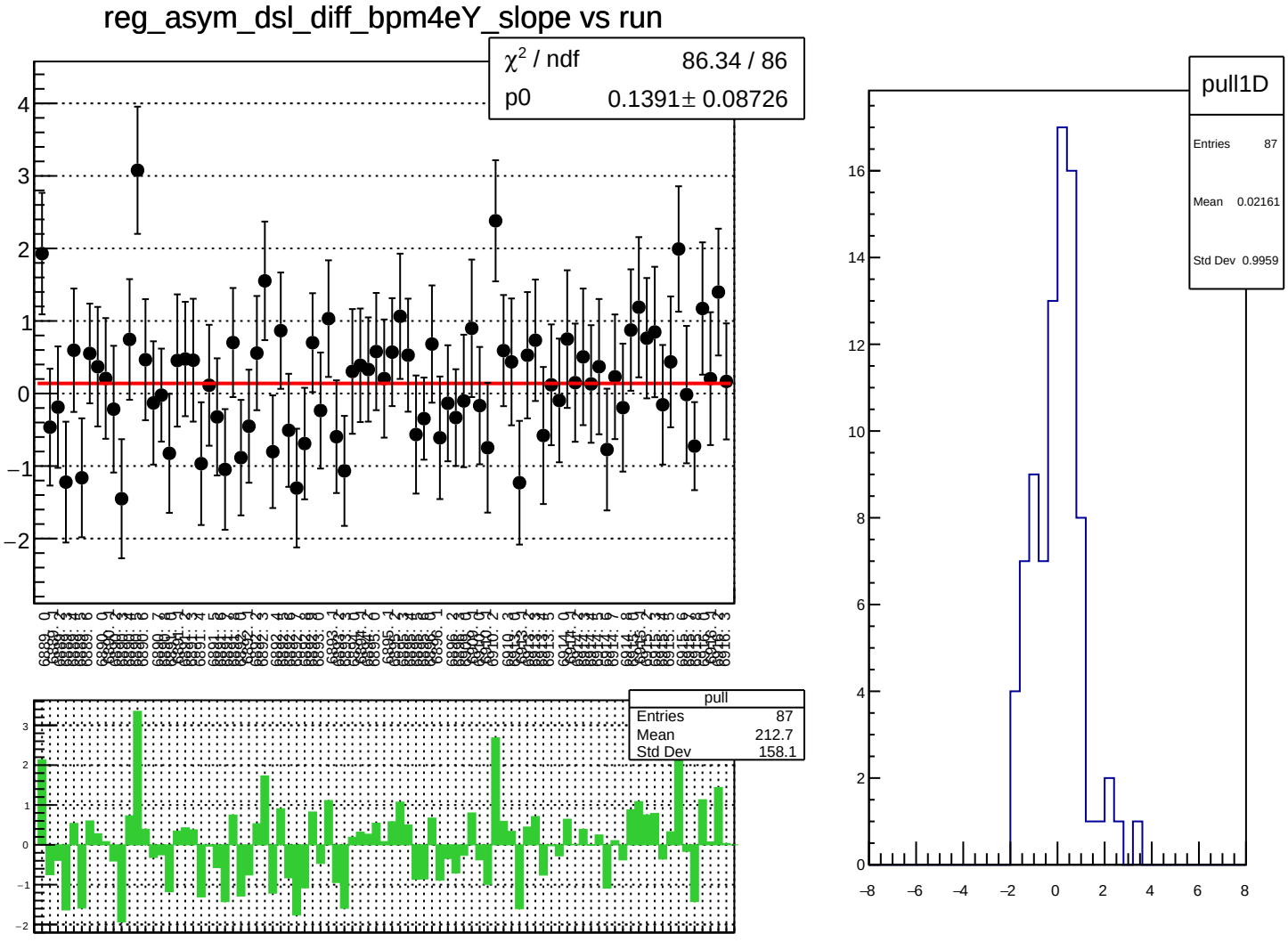

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 93.25 / 86
p0 −0.09032 ± 0.07393
pull
Entries 87
Mean 184.7
Std Dev 132

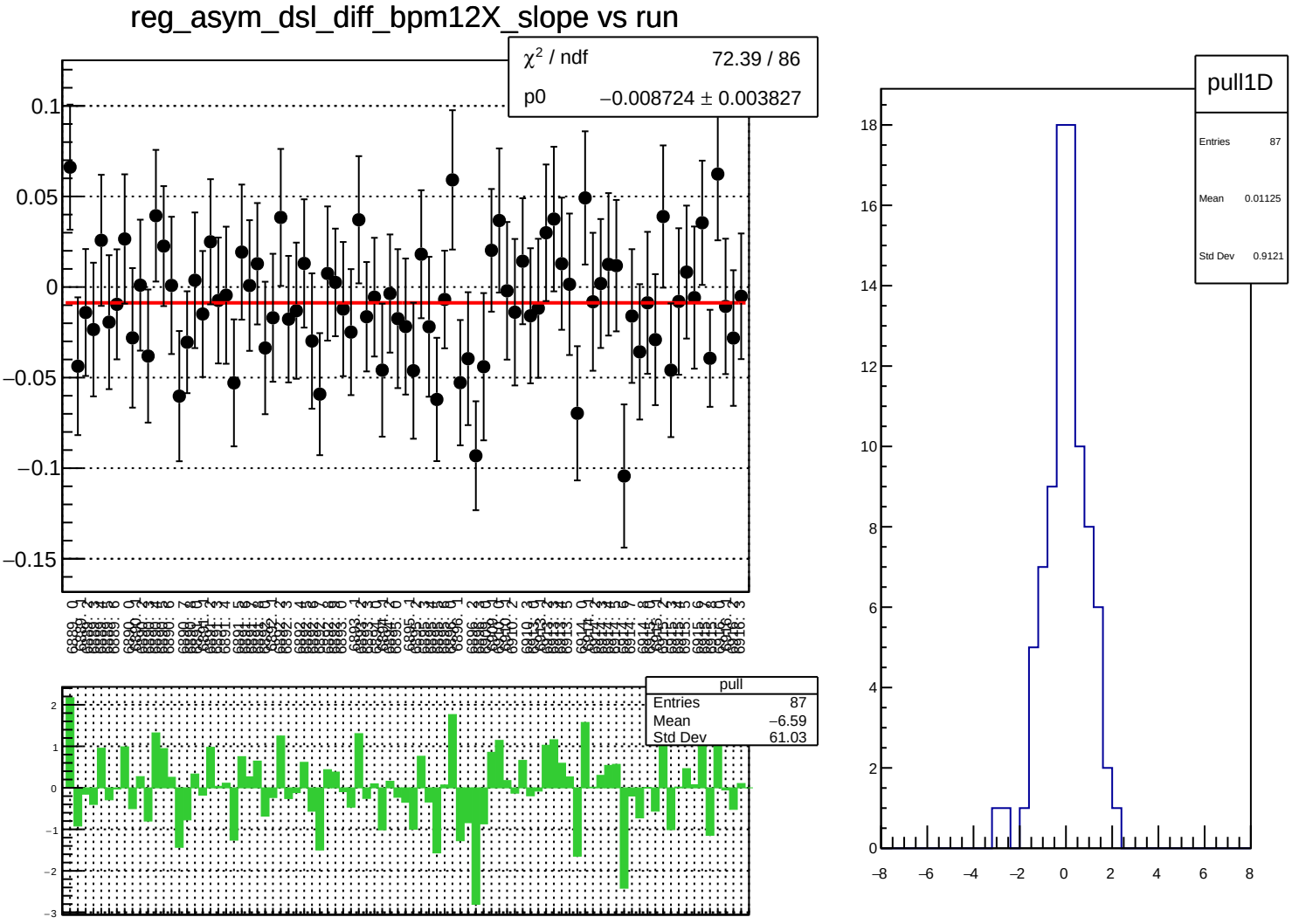

pull1D
Entries 87
Mean −0.02938
Std Dev 1.035

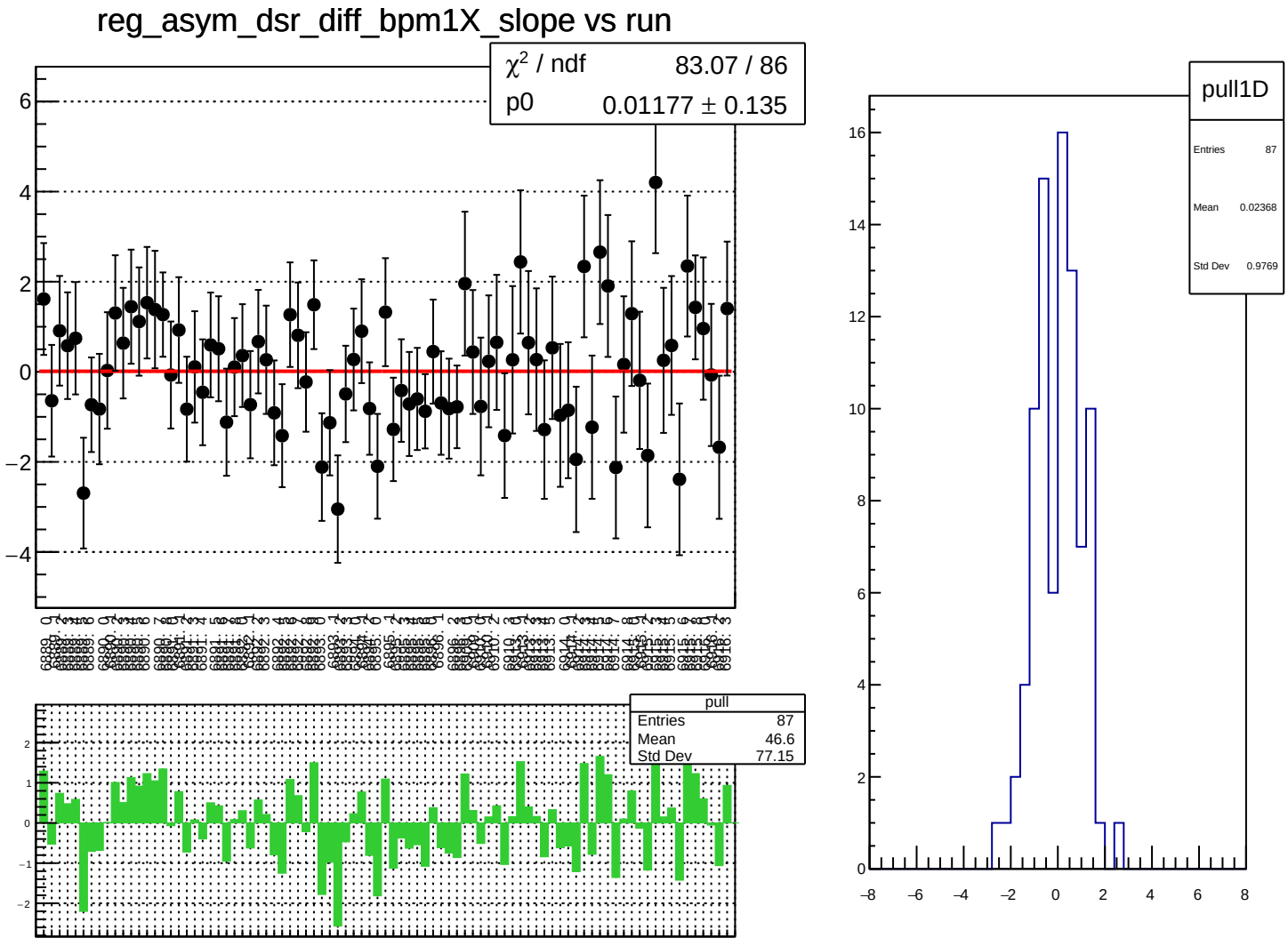
reg_asym_dsl_diff_bpm4eX_slope vs run

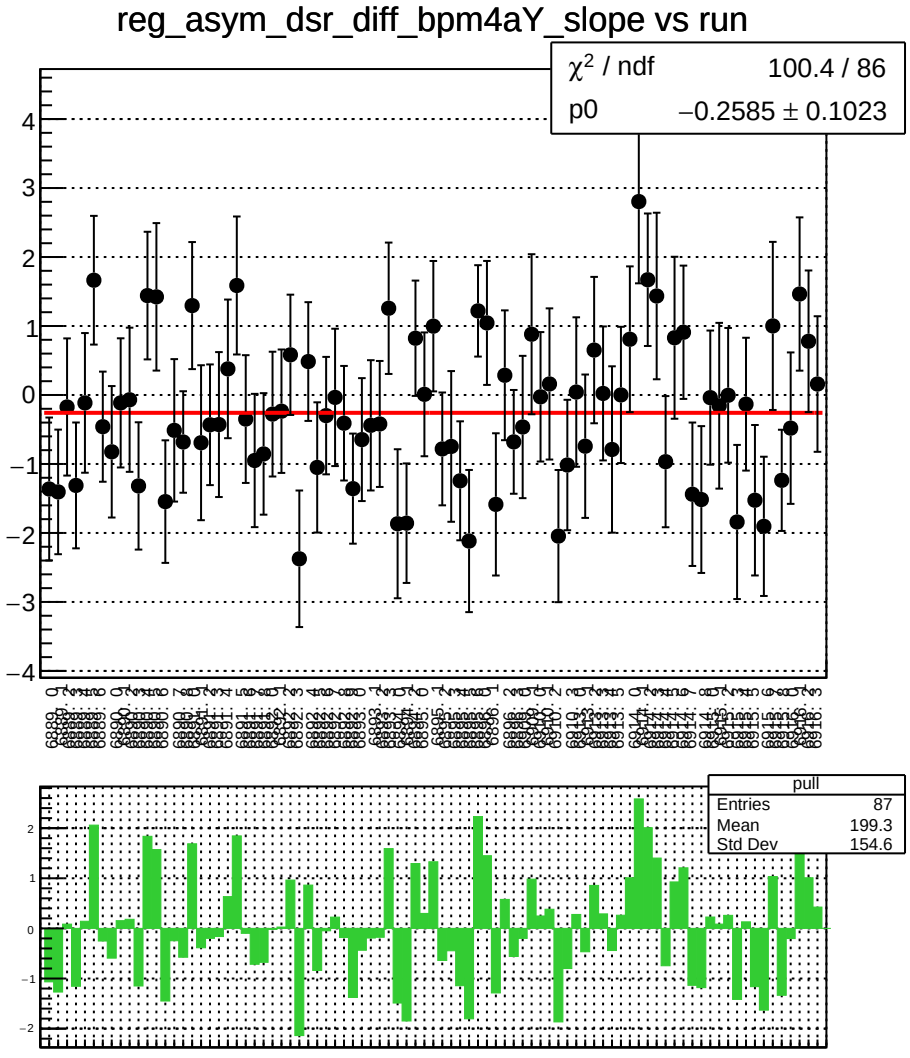


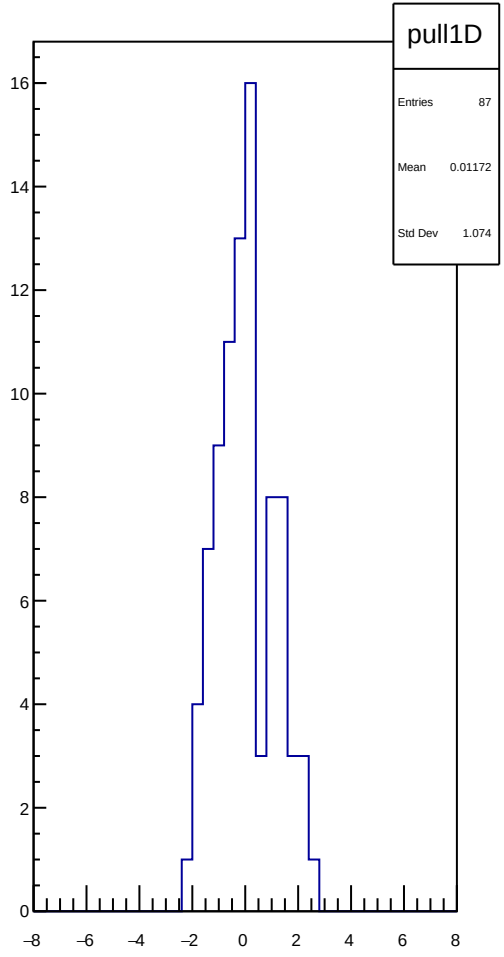


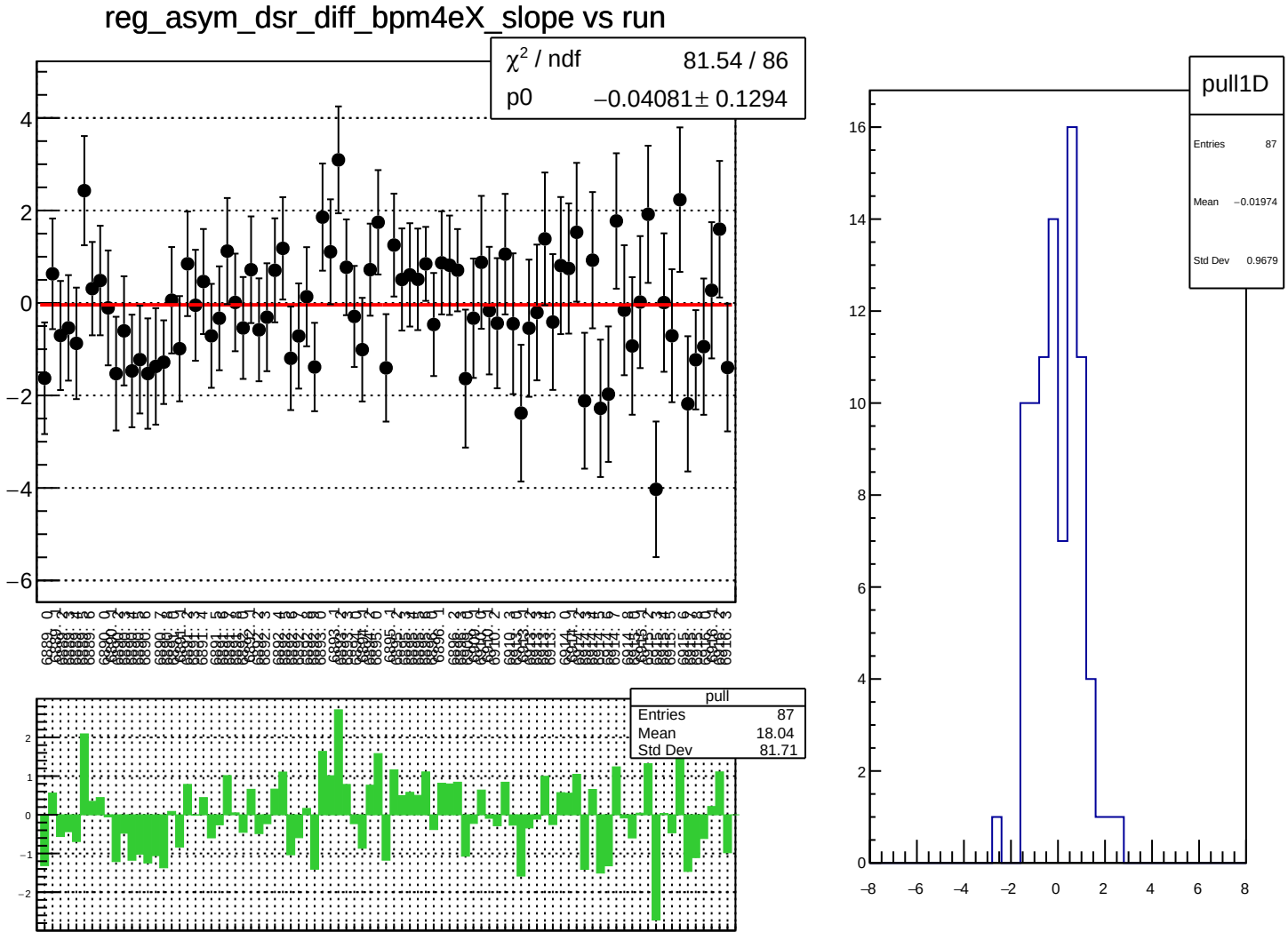

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 86.34 / 86
p0 0.1391± 0.08726
pull
Entries 87
Mean 212.7
Std Dev 158.1
pull1D
Entries 87
Mean 0.02161
Std Dev 0.9959

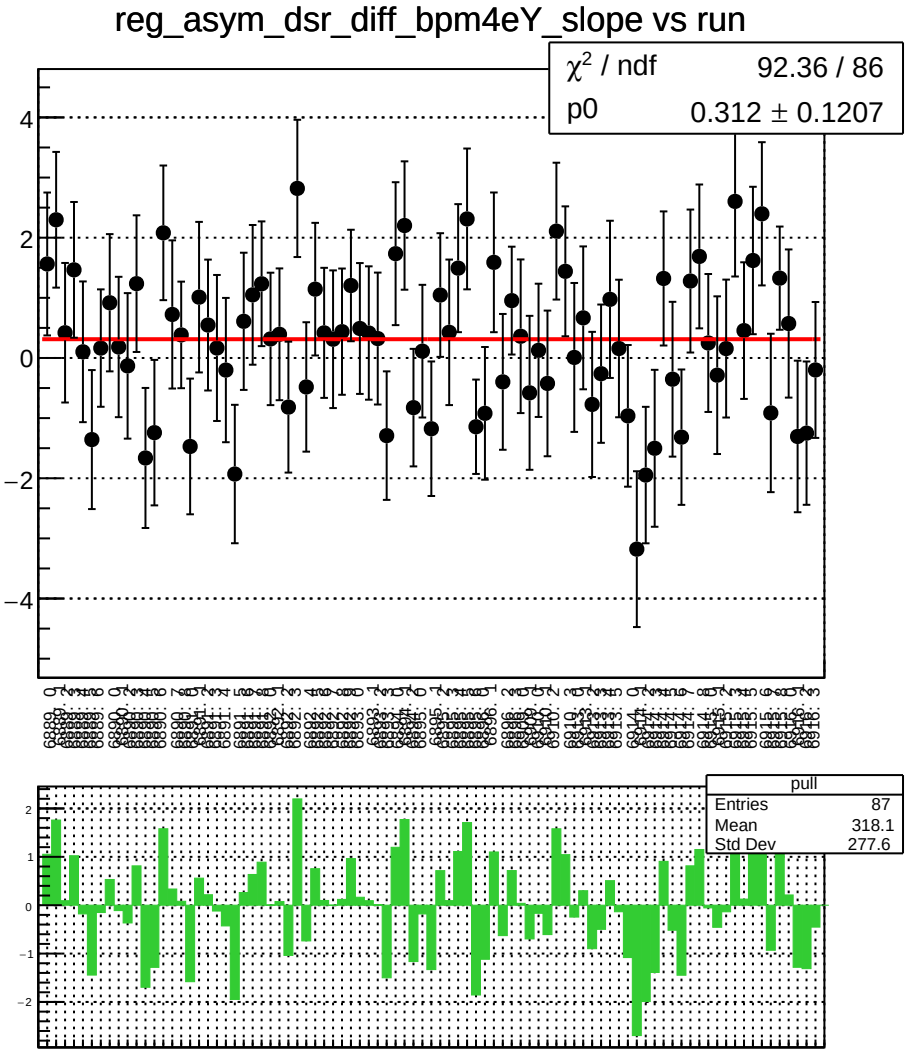

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 72.39 / 86
p0 −0.008724 ± 0.003827
pull
Entries 87
Mean −6.59
Std Dev 61.03
pull1D
Entries 87
Mean 0.01125
Std Dev 0.9121

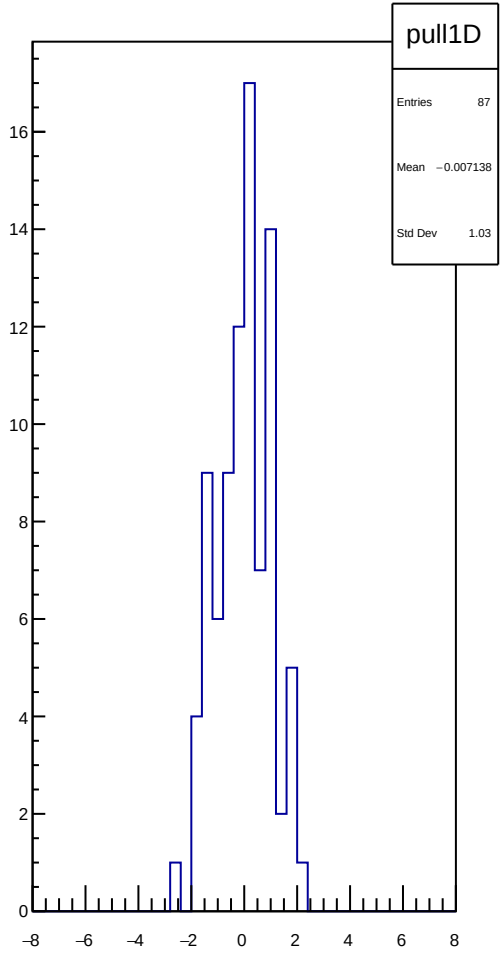

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 83.07 / 86
p0 0.01177 ± 0.135
pull
Entries 87
Mean 46.6
Std Dev 77.15
pull1D
Entries 87
Mean 0.02368
Std Dev 0.9769

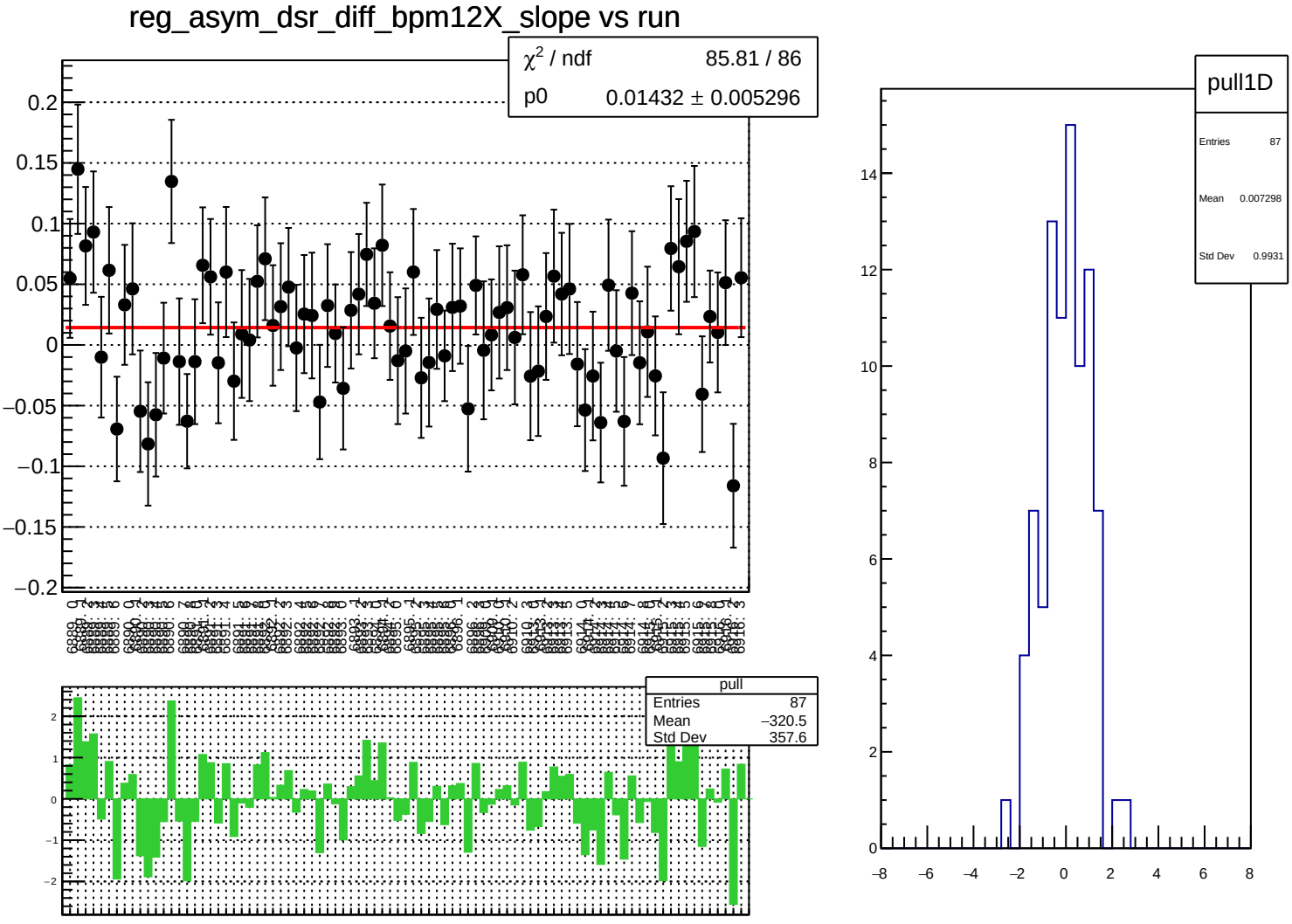

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 100.4 / 86
p0 −0.2585 ± 0.1023
pull
Entries 87
Mean 199.3
Std Dev 154.6

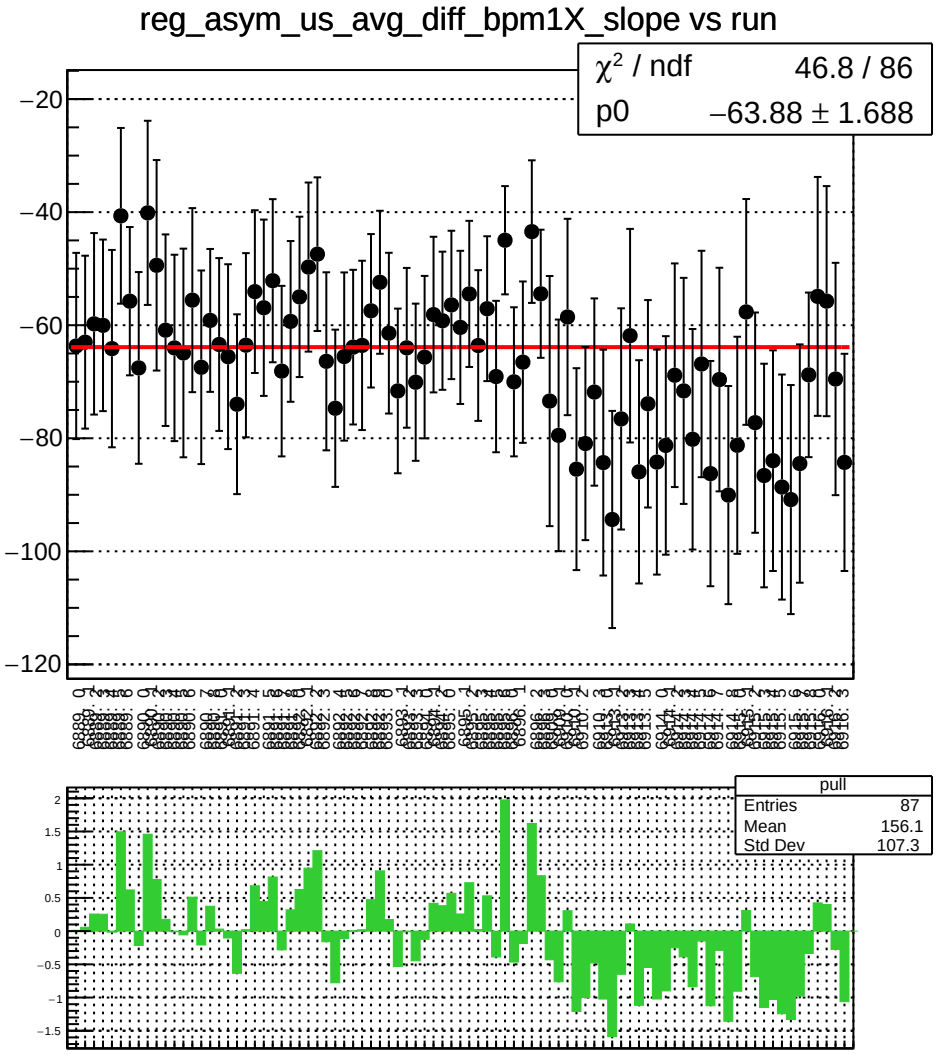

pull1D
Entries 87
Mean 0.01172
Std Dev 1.074

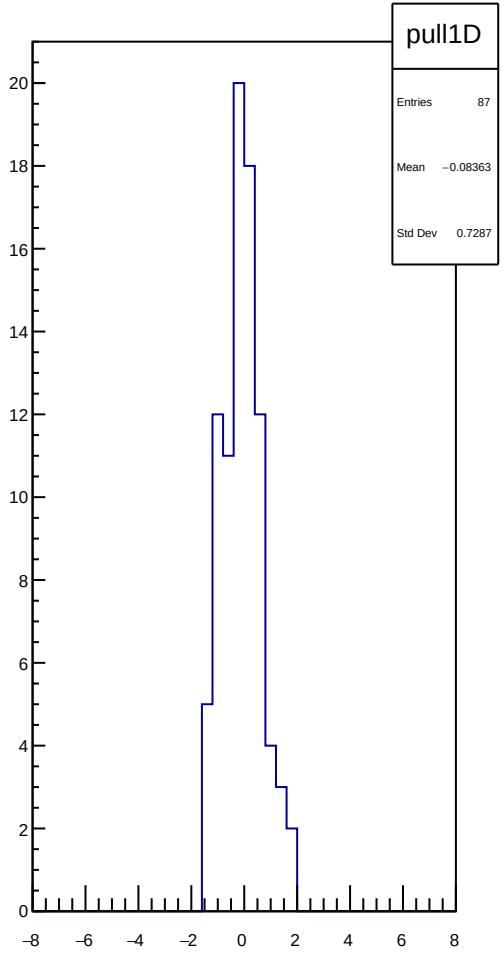

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 81.54 / 86
p0 −0.04081 ± 0.1294
pull
Entries 87
Mean 18.04
Std Dev 81.71
pull1D
Entries 87
Mean −0.01974
Std Dev 0.9679

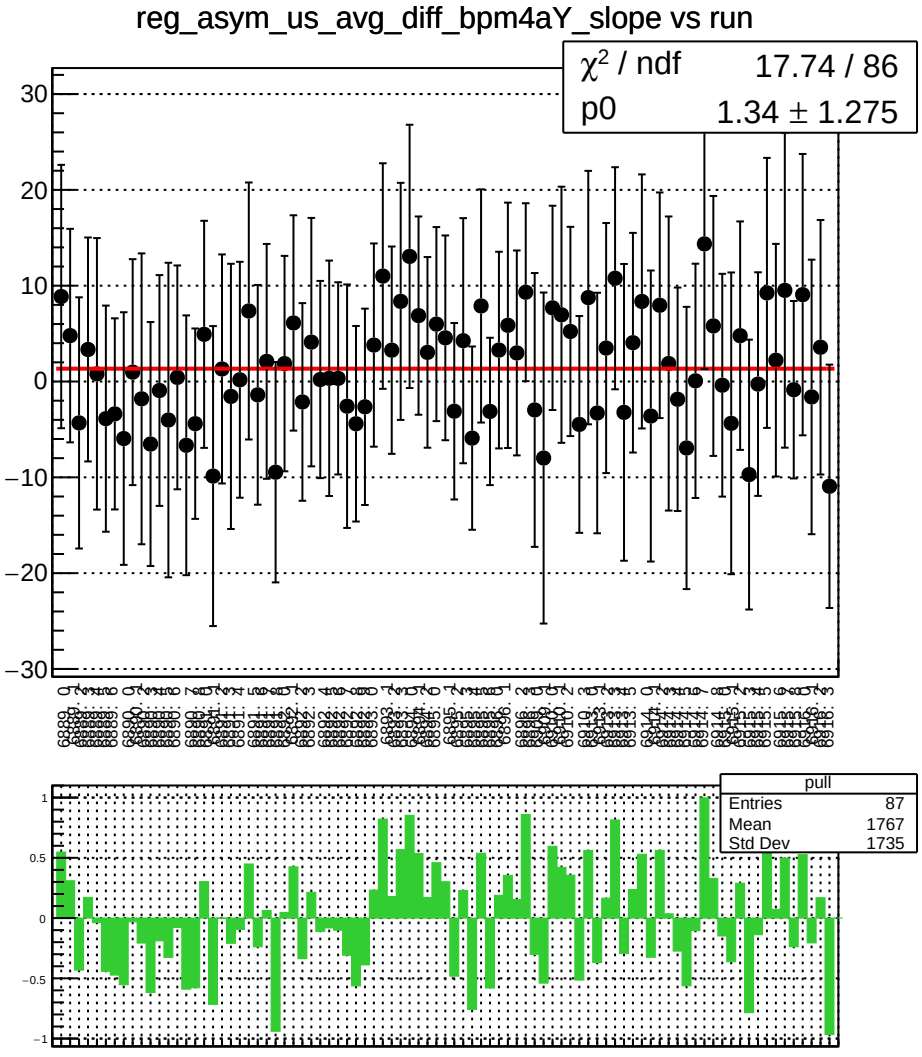

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 92.36 / 86
p0 0.312 ± 0.1207
pull
Entries 87
Mean 318.1
Std Dev 277.6

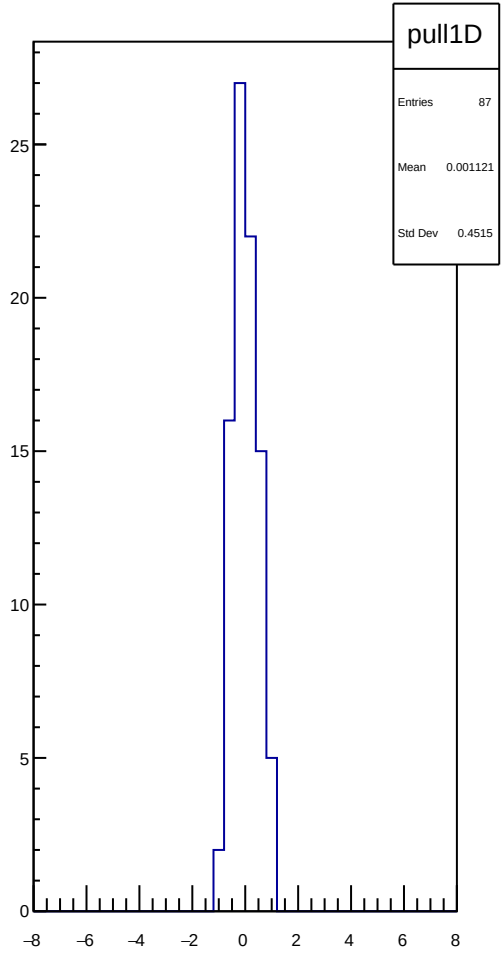

pull1D
Entries 87
Mean −0.007138
Std Dev 1.03

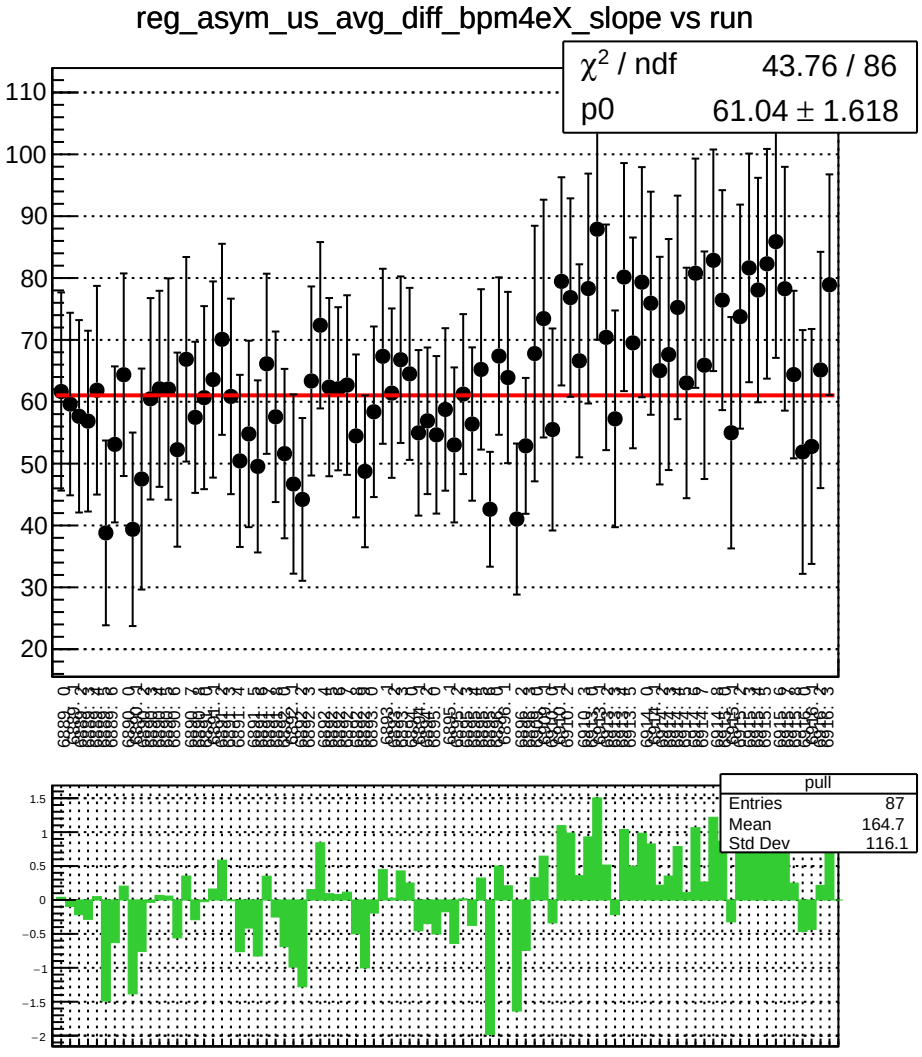

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 85.81 / 86
p0 0.01432 ± 0.005296
pull
Entries 87
Mean −320.5
Std Dev 357.6
pull1D
Entries 87
Mean 0.007298
Std Dev 0.9931

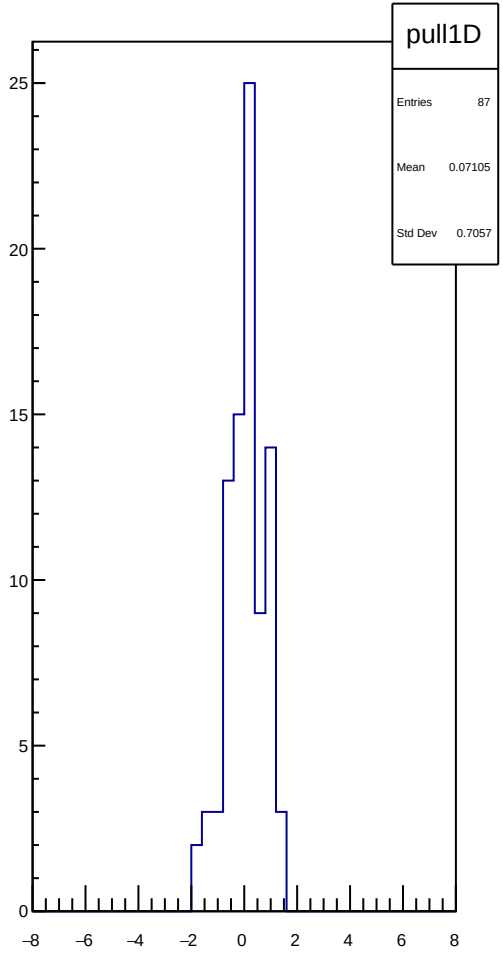

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 46.8 / 86
p0 −63.88 ± 1.688
pull
Entries 87
Mean 156.1
Std Dev 107.3

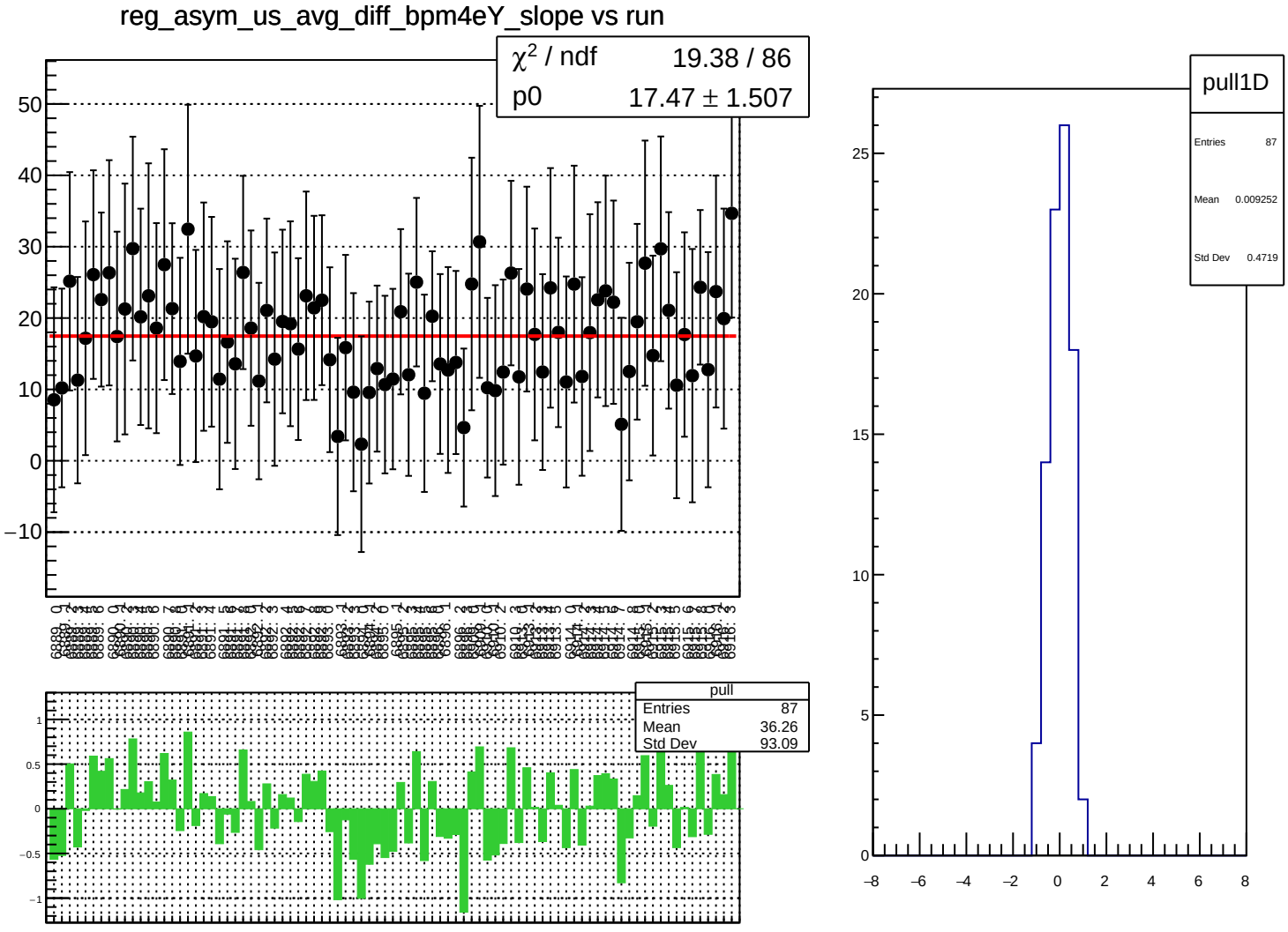

pull1D
Entries 87
Mean −0.08363
Std Dev 0.7287

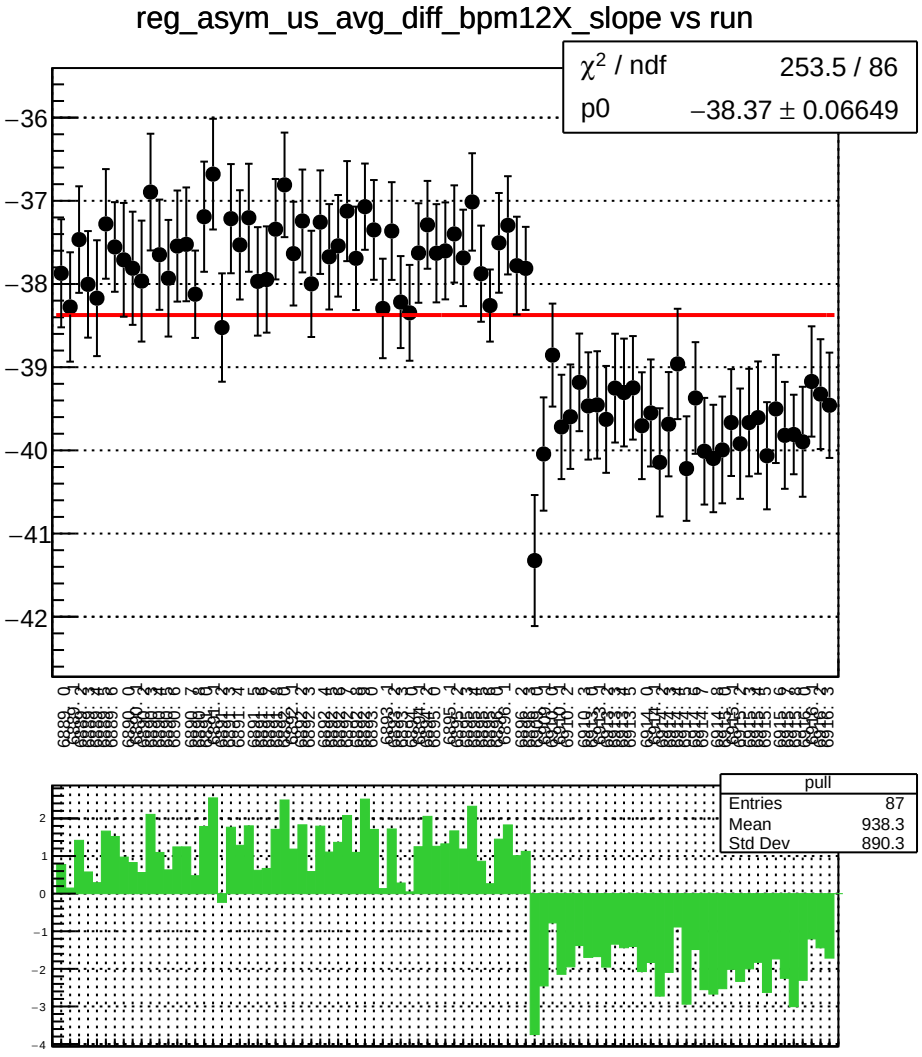

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.74 / 86
p0 1.34 ± 1.275
pull
Entries 87
Mean 1767
Std Dev 1735

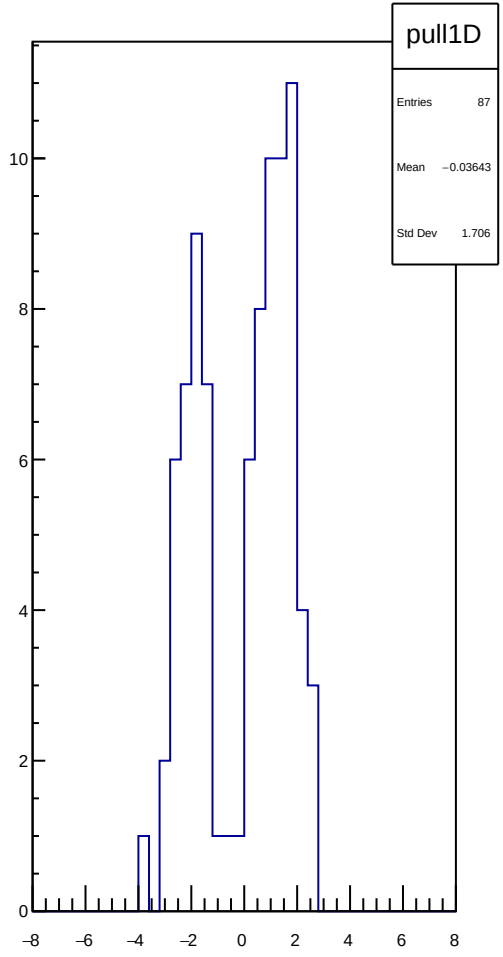

pull1D
Entries 87
Mean 0.001121
Std Dev 0.4515

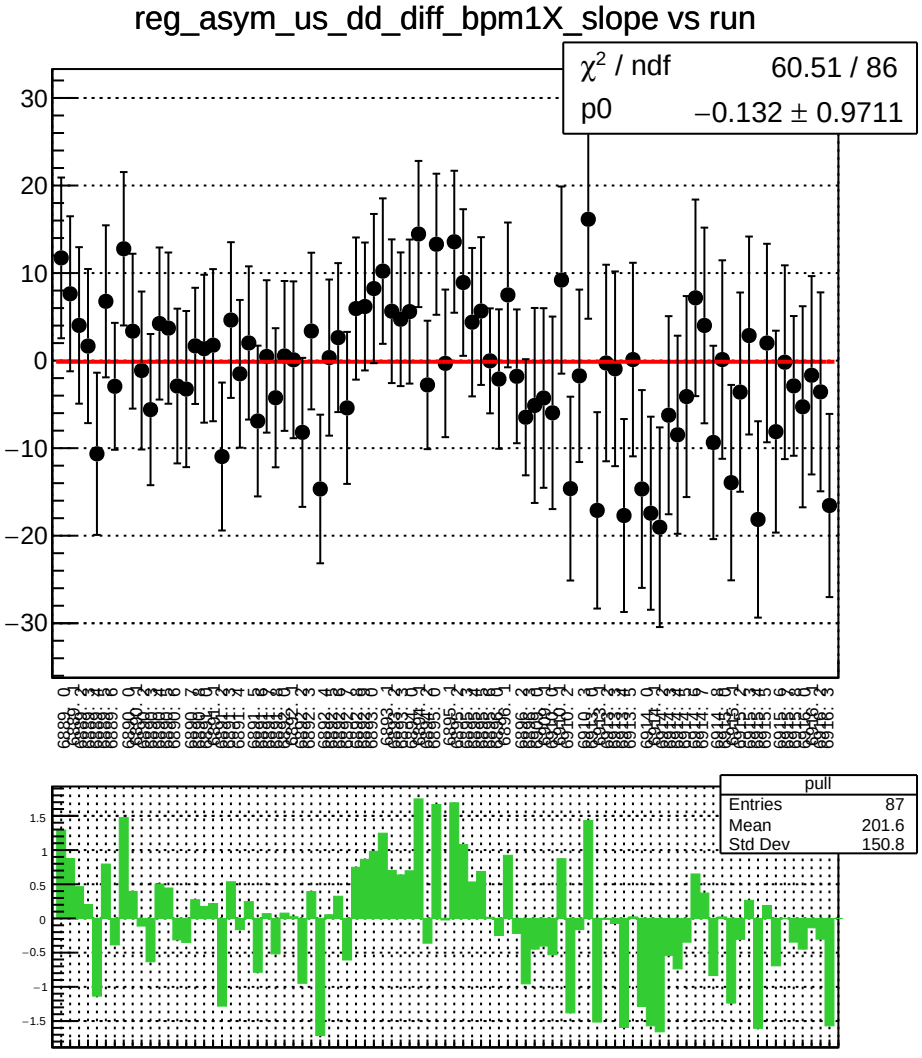

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 43.76 / 86
p0 61.04 ± 1.618
pull
Entries 87
Mean 164.7
Std Dev 116.1

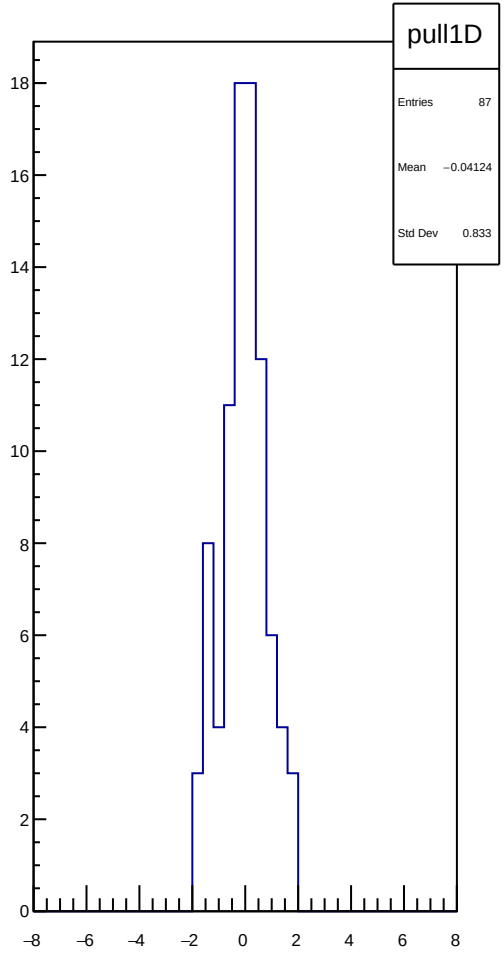

pull1D
Entries 87
Mean 0.07105
Std Dev 0.7057

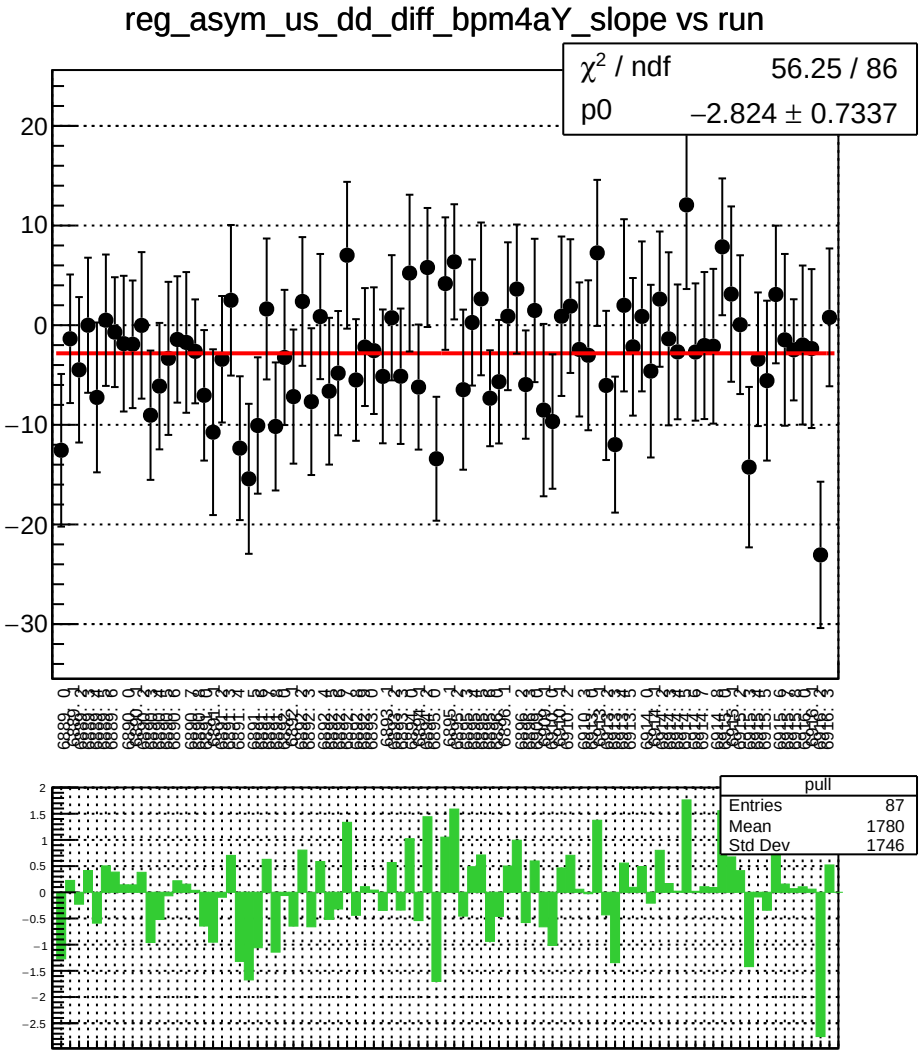

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.38 / 86
p0 17.47 ± 1.507
pull
Entries 87
Mean 36.26
Std Dev 93.09
pull1D
Entries 87
Mean 0.009252
Std Dev 0.4719

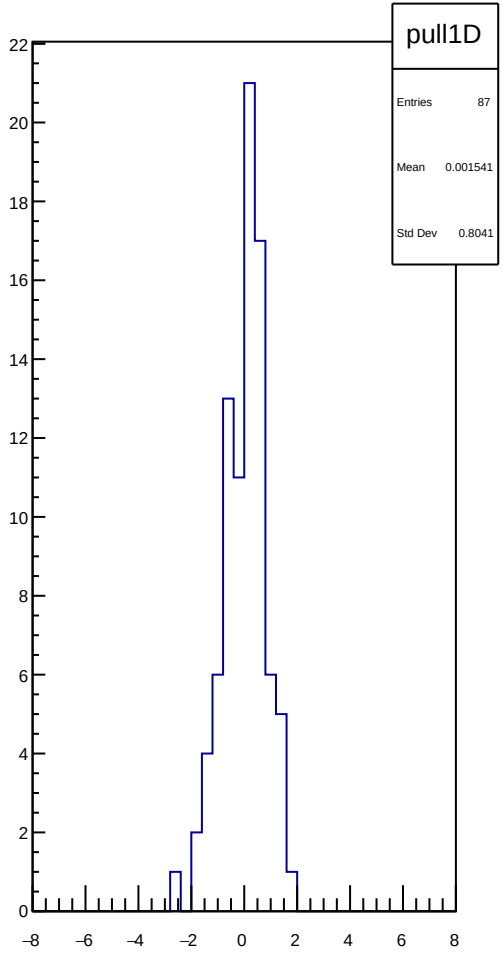

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 253.5 / 86
p0 −38.37 ± 0.06649
pull
Entries 87
Mean 938.3
Std Dev 890.3

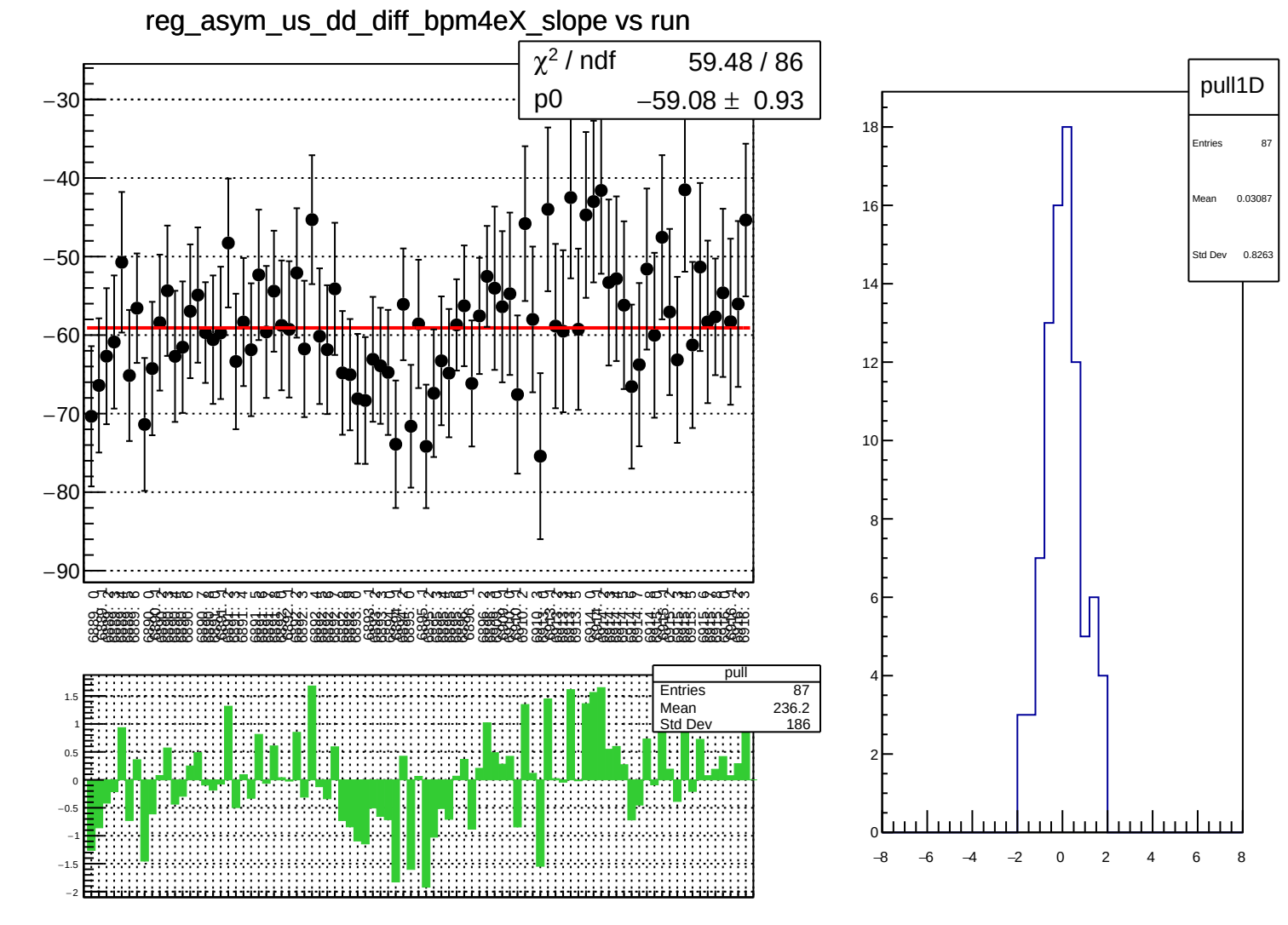

pull1D
Entries 87
Mean −0.03643
Std Dev 1.706

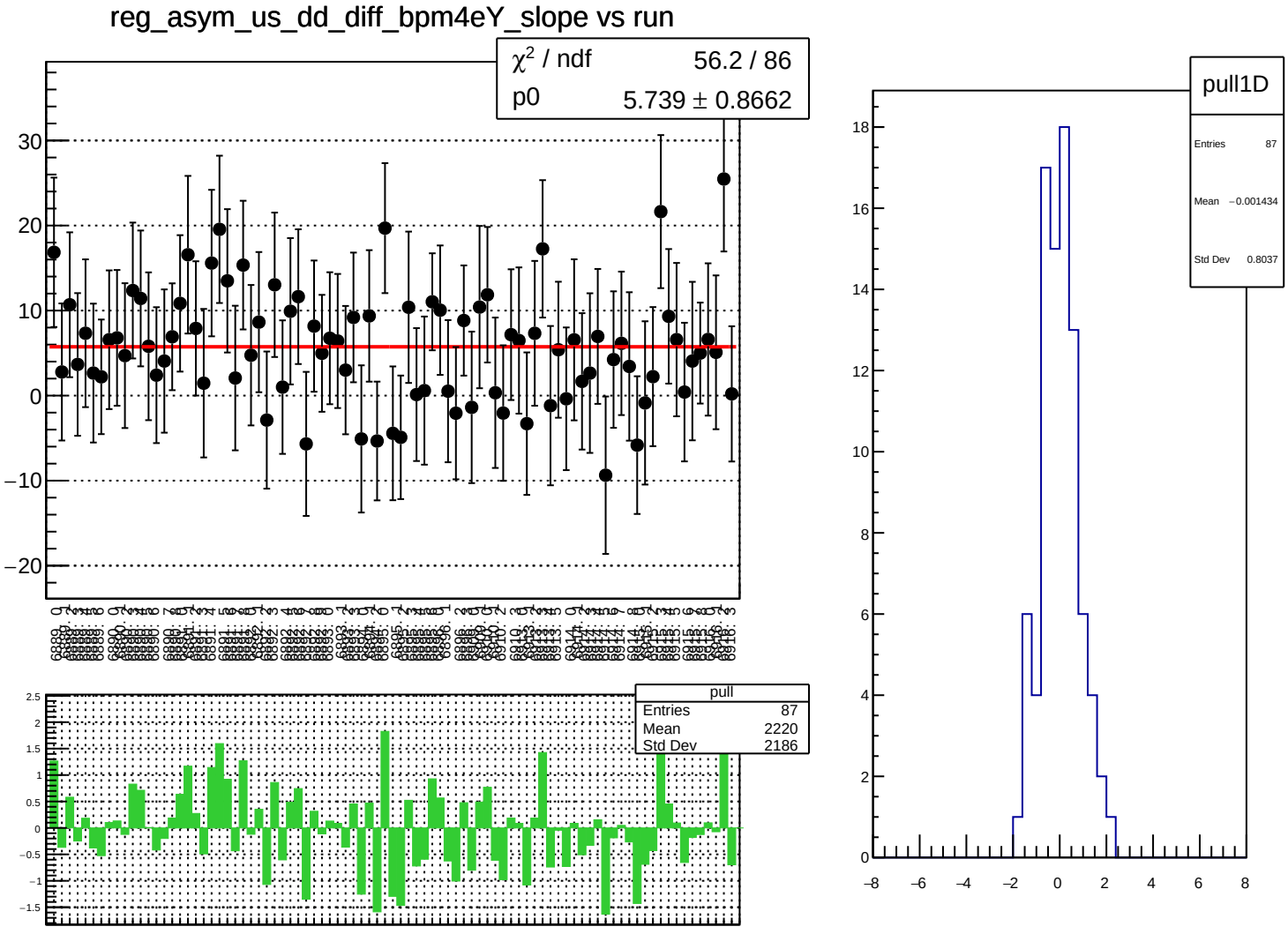

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 60.51 / 86
p0 −0.132 ± 0.9711
pull
Entries 87
Mean 201.6
Std Dev 150.8

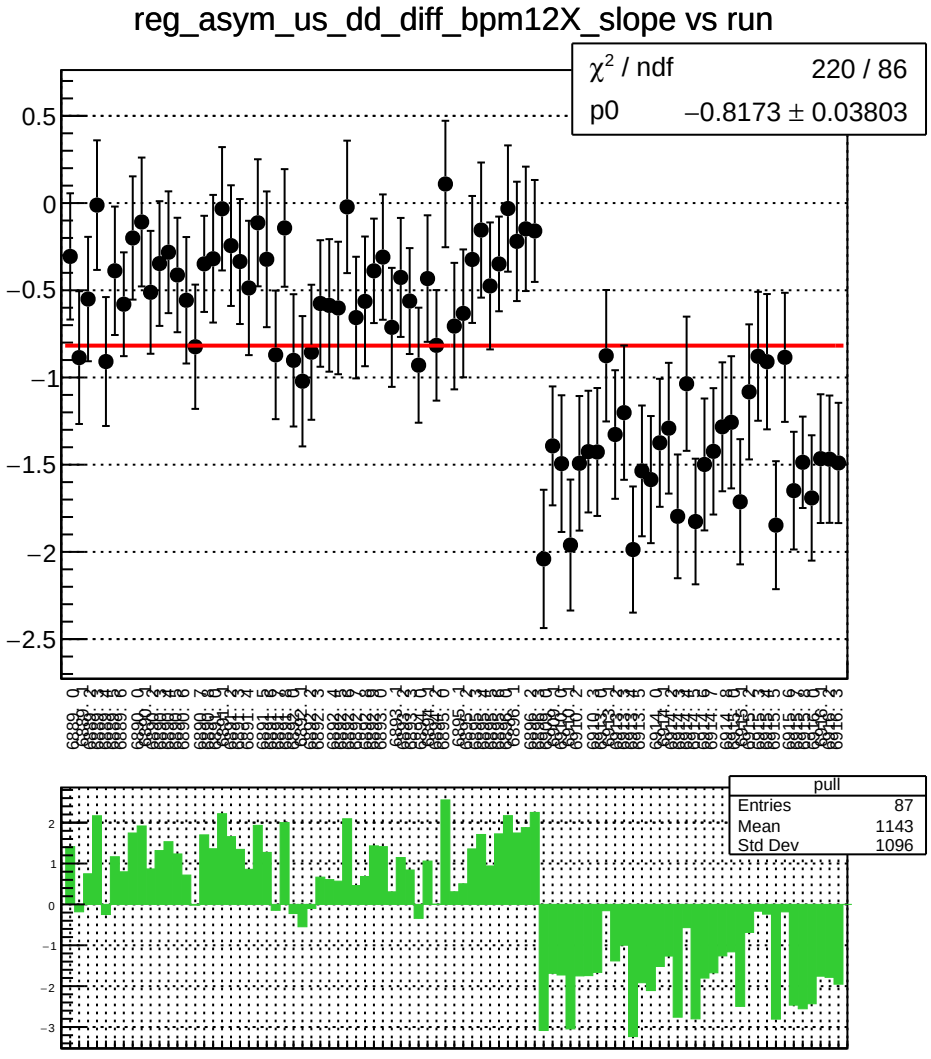

pull1D
Entries 87
Mean −0.04124
Std Dev 0.833

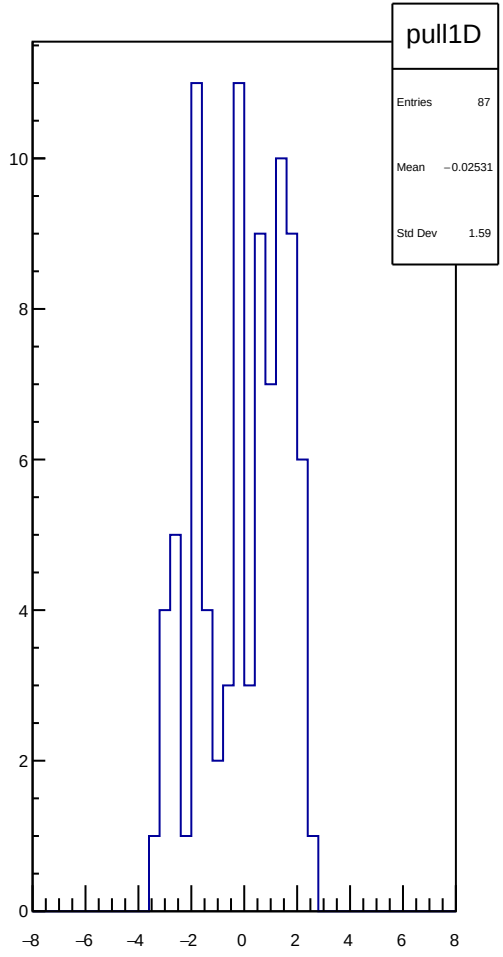

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 56.25 / 86
p0 −2.824 ± 0.7337
pull
Entries 87
Mean 1780
Std Dev 1746

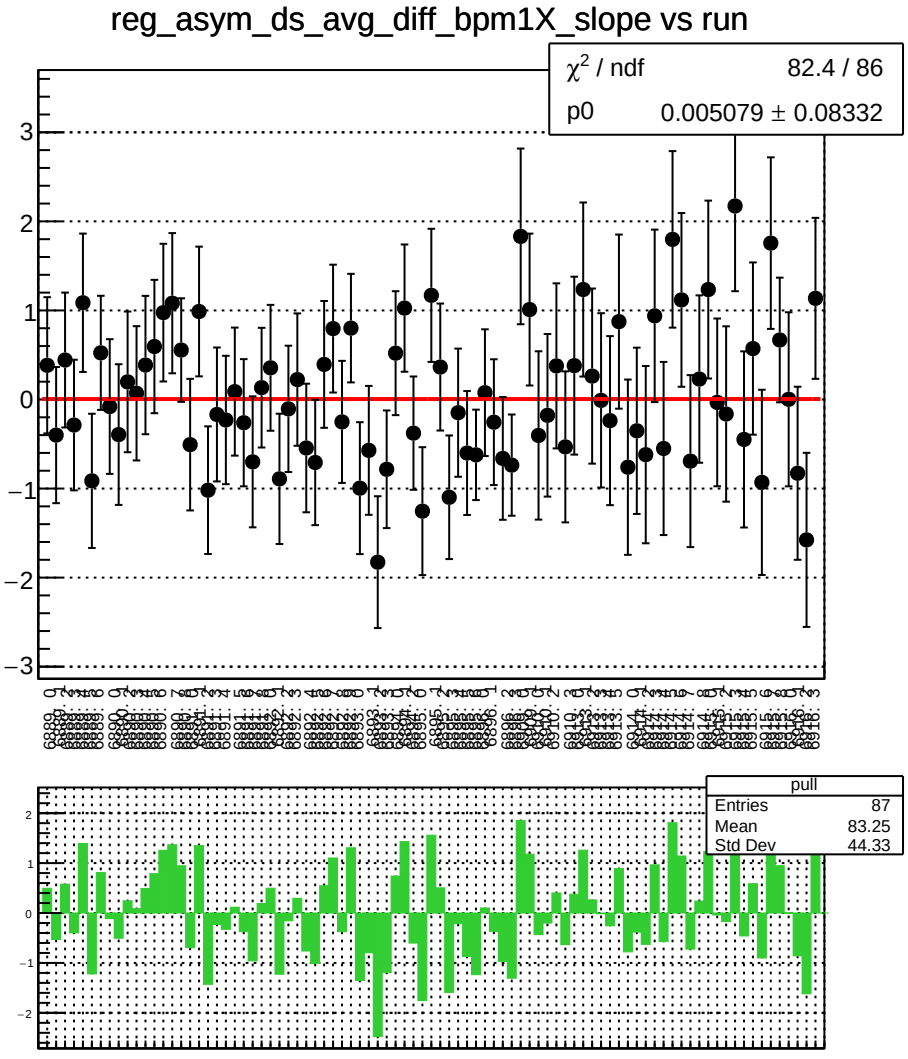

pull1D
Entries 87
Mean 0.001541
Std Dev 0.8041

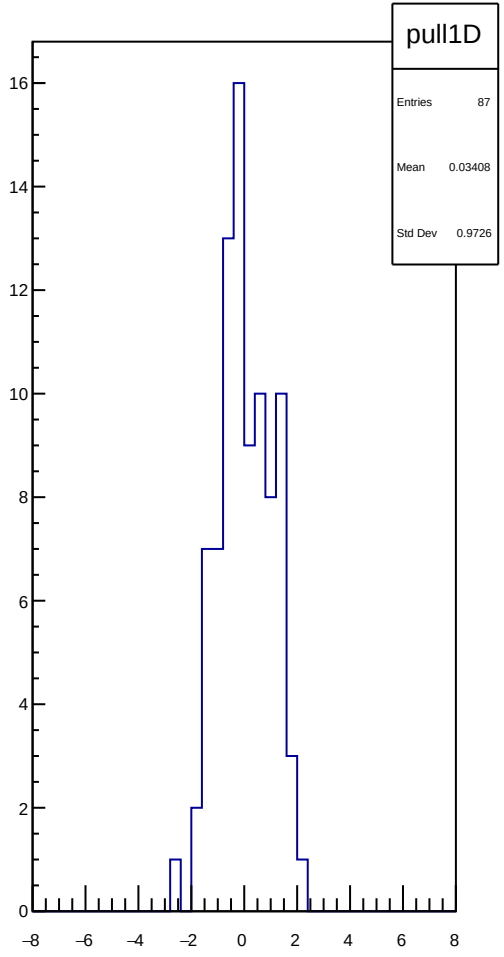

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 59.48 / 86
p0 −59.08 ± 0.93
pull
Entries 87
Mean 236.2
Std Dev 186
pull1D
Entries 87
Mean 0.03087
Std Dev 0.8263

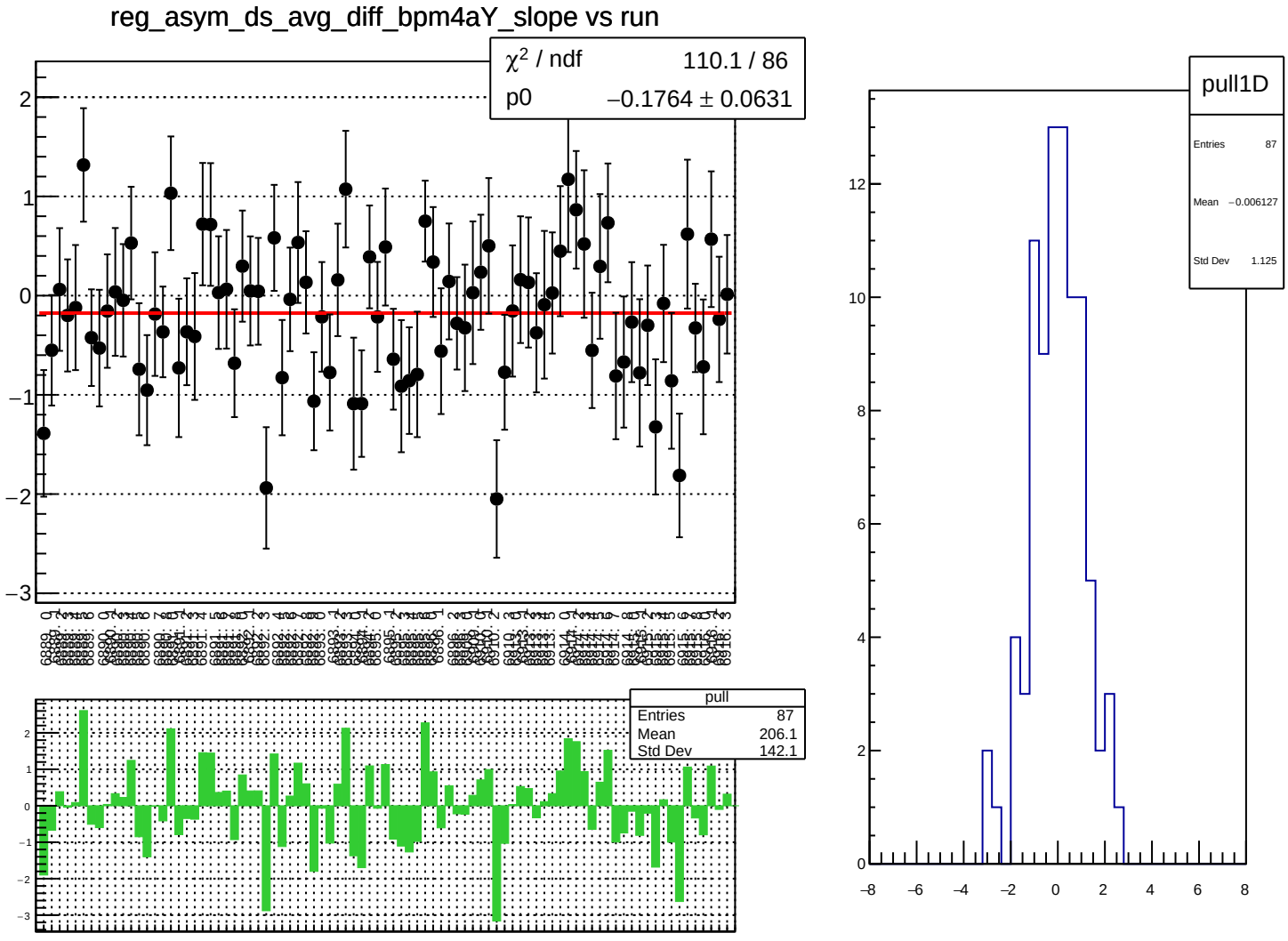

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.2 / 86
p0 5.739 ± 0.8662
pull
Entries 87
Mean 2220
Std Dev 2186
pull1D
Entries 87
Mean −0.001434
Std Dev 0.8037

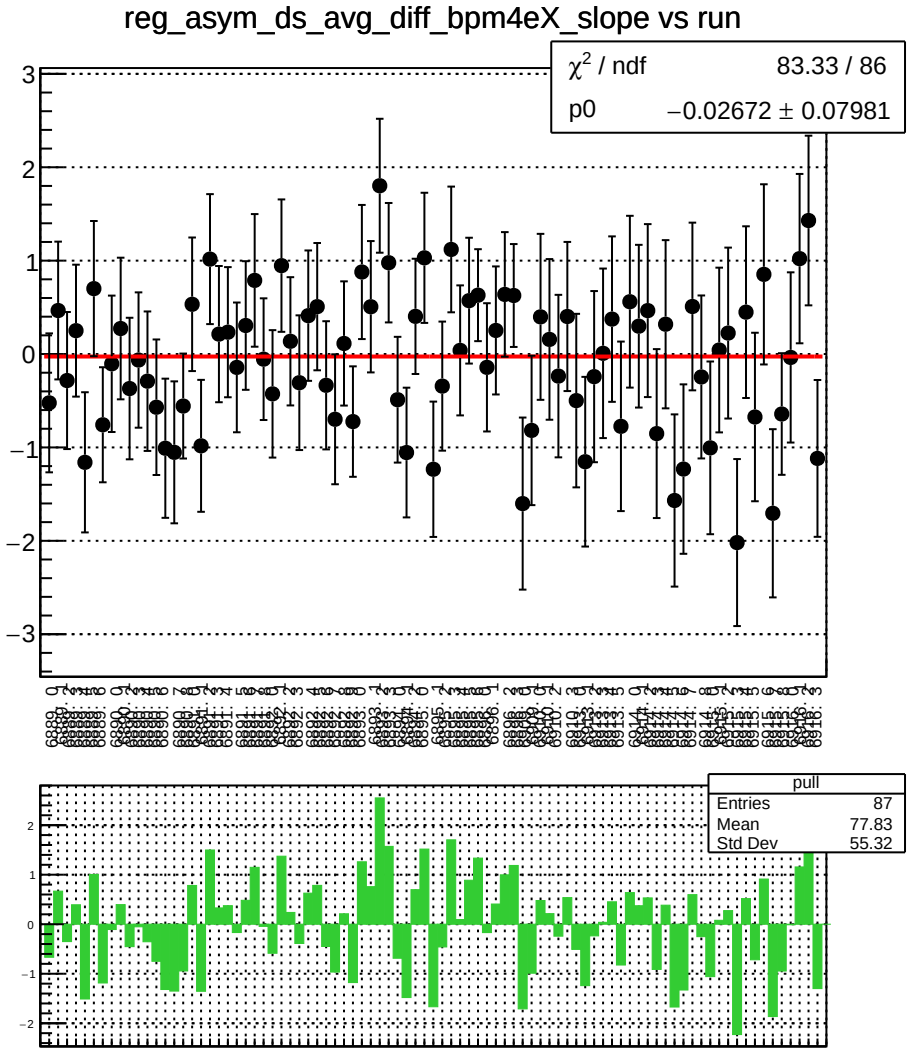

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 220 / 86
p0 −0.8173 ± 0.03803
pull
Entries 87
Mean 1143
Std Dev 1096

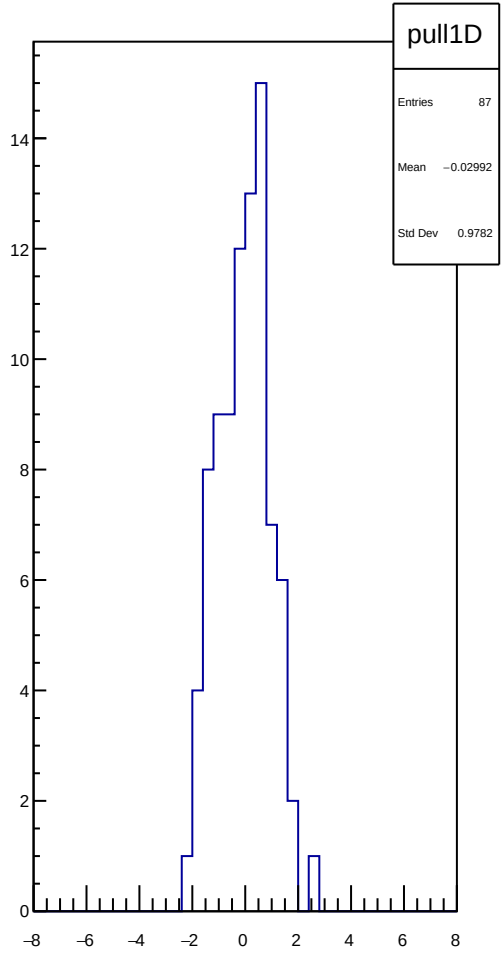

pull1D
Entries 87
Mean −0.02531
Std Dev 1.59

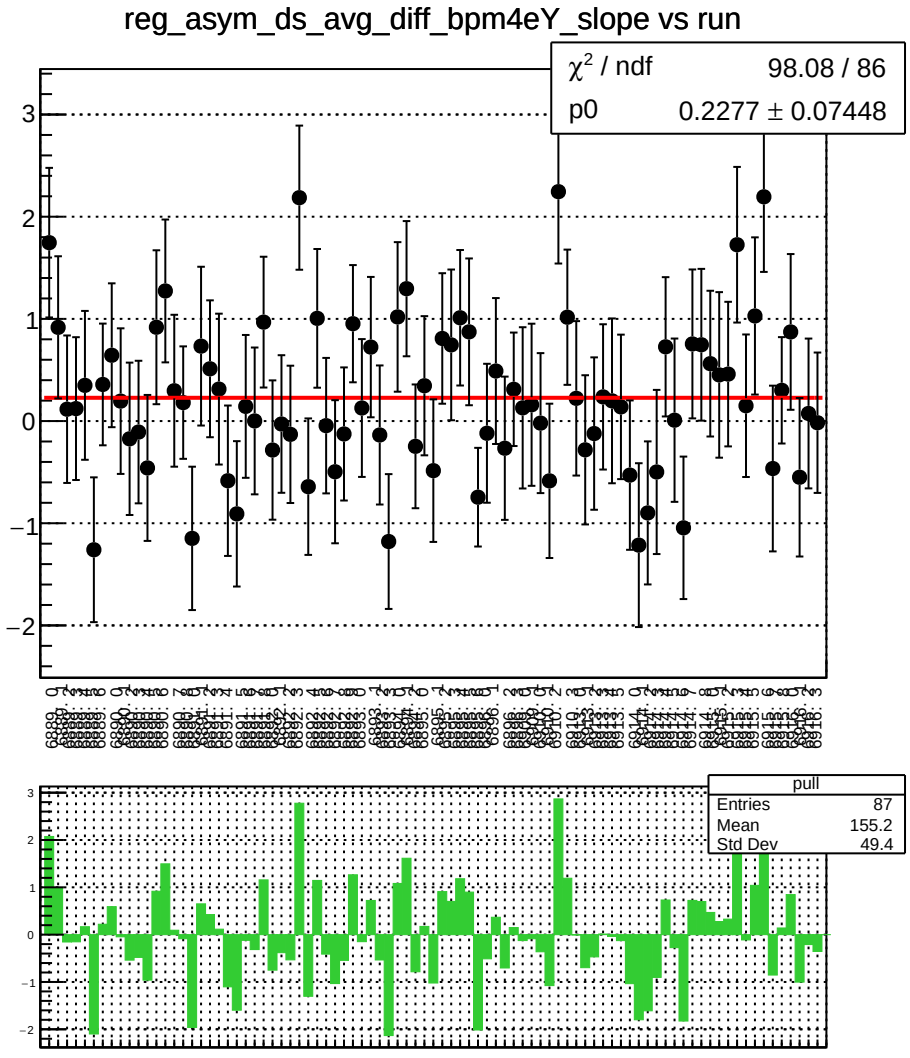

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 82.4 / 86
p0 0.005079 ± 0.08332
pull
Entries 87
Mean 83.25
Std Dev 44.33

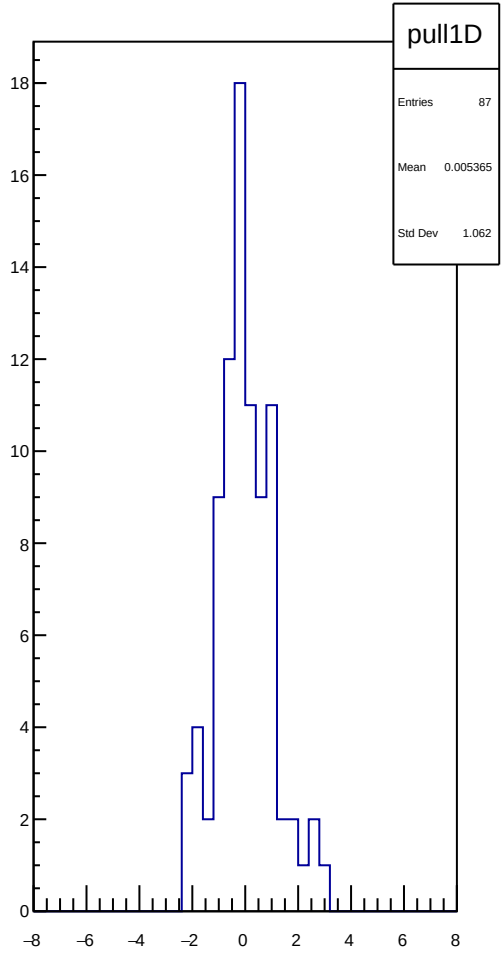

pull1D
Entries 87
Mean 0.03408
Std Dev 0.9726

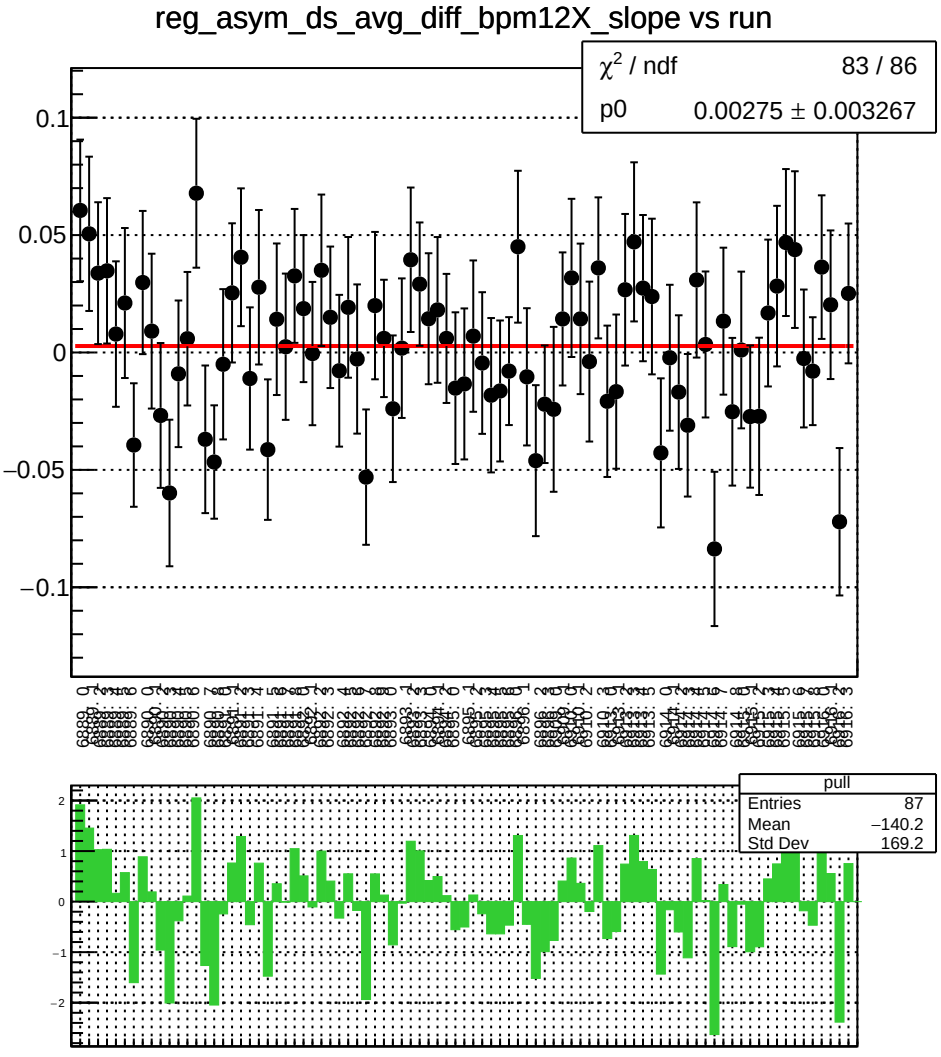

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 110.1 / 86
p0 −0.1764 ± 0.0631
pull
Entries 87
Mean 206.1
Std Dev 142.1
pull1D
Entries 87
Mean −0.006127
Std Dev 1.125

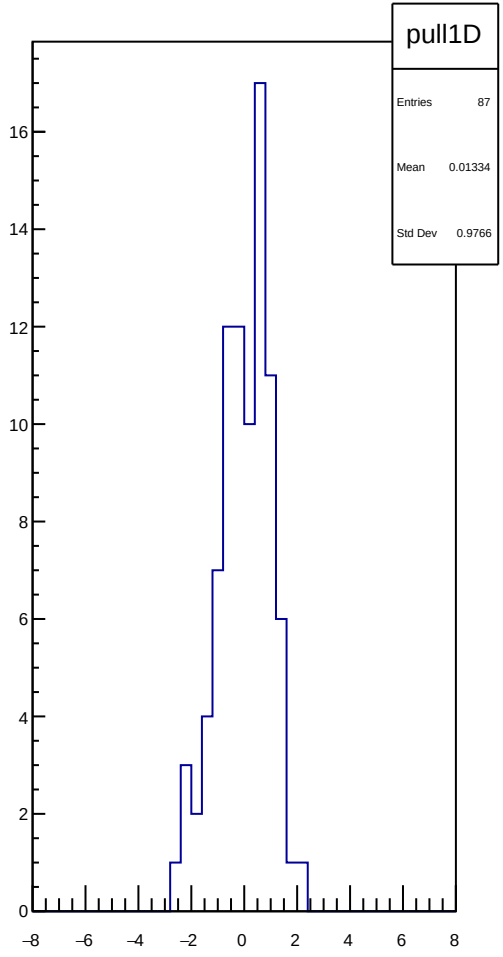

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 83.33 / 86
p0 −0.02672 ± 0.07981
pull
Entries 87
Mean 77.83
Std Dev 55.32

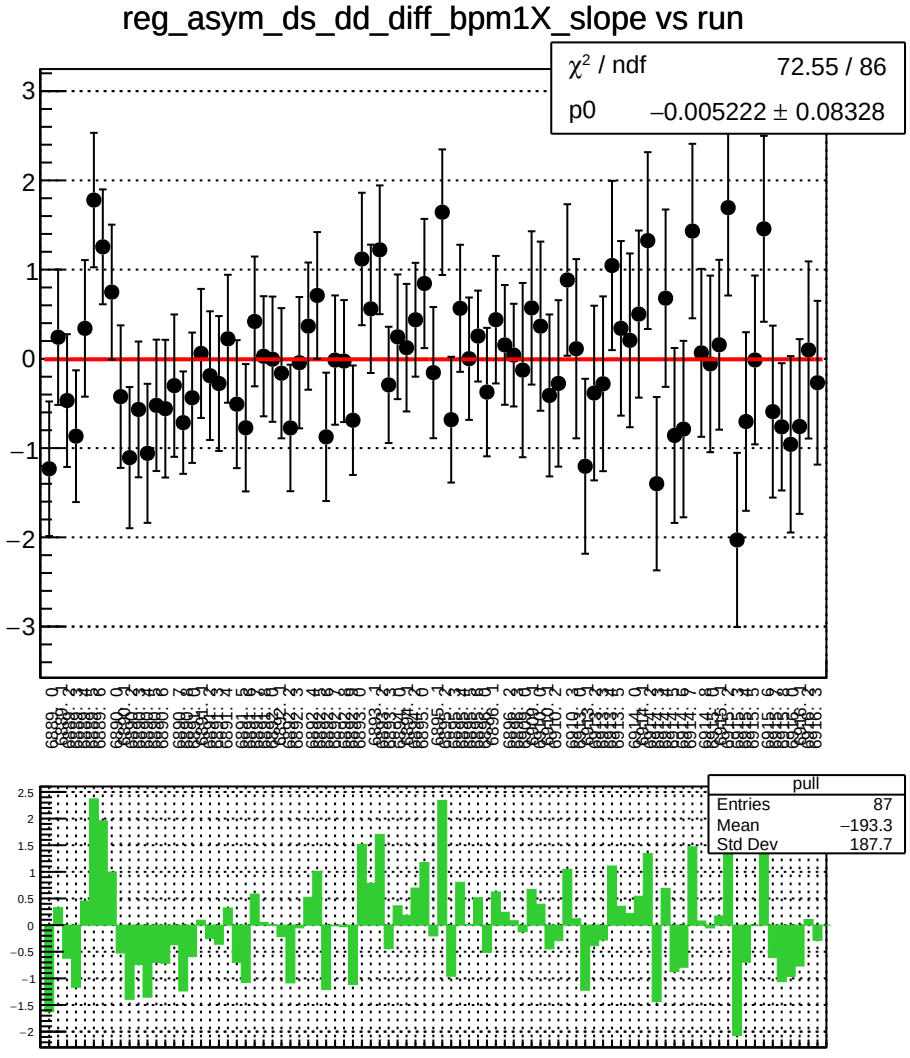

pull1D
Entries 87
Mean −0.02992
Std Dev 0.9782

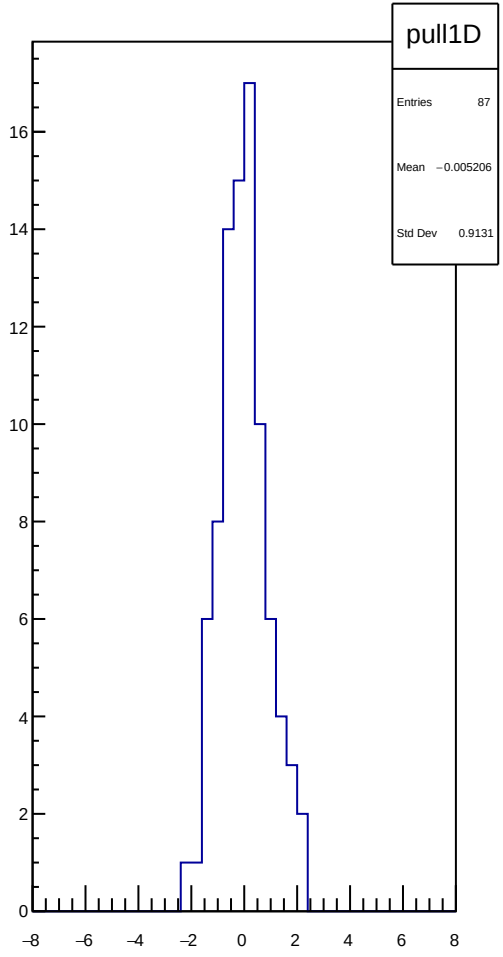

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 98.08 / 86
p0 0.2277 ± 0.07448
pull
Entries 87
Mean 155.2
Std Dev 49.4

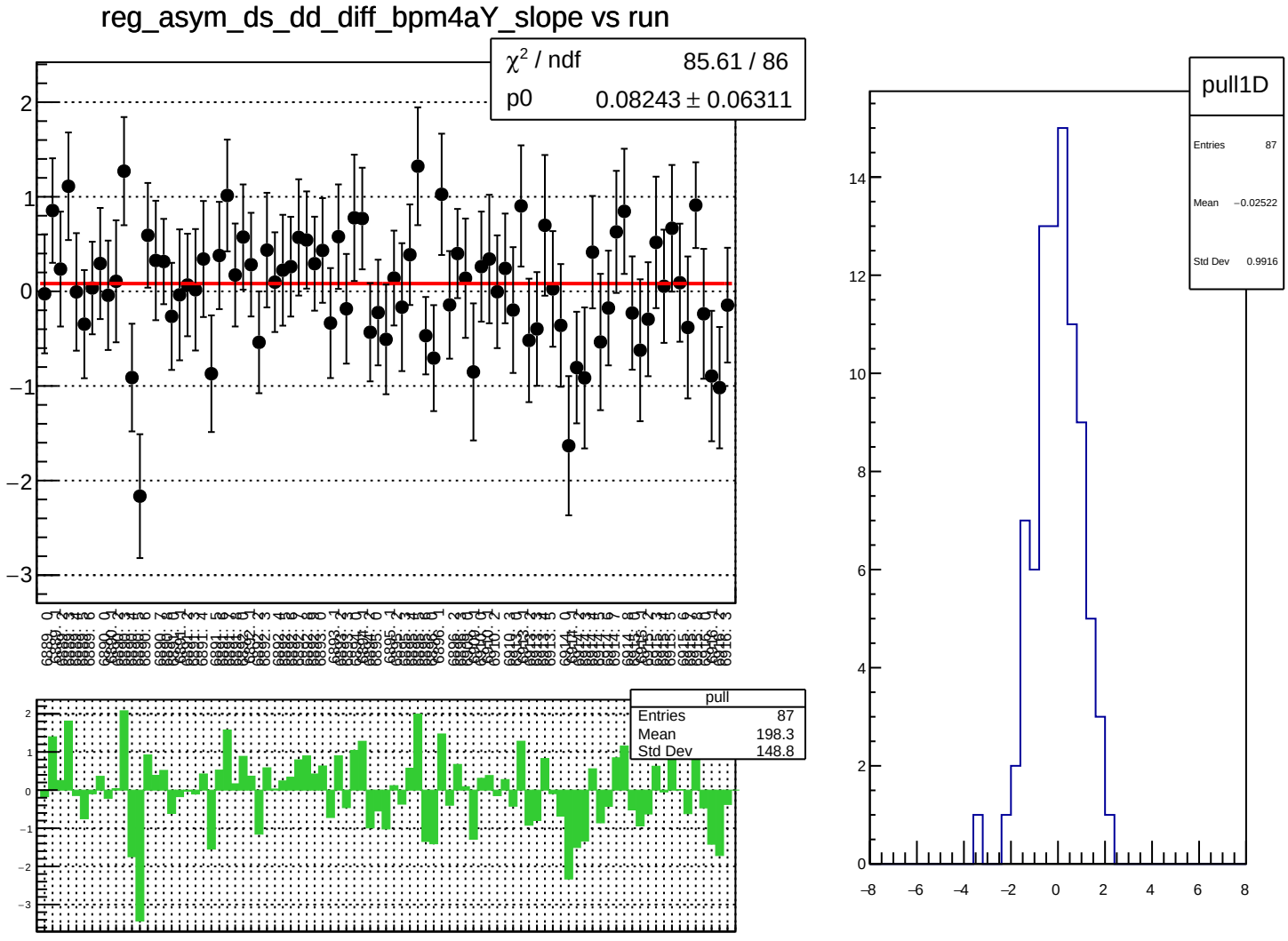

pull1D
Entries 87
Mean 0.005365
Std Dev 1.062

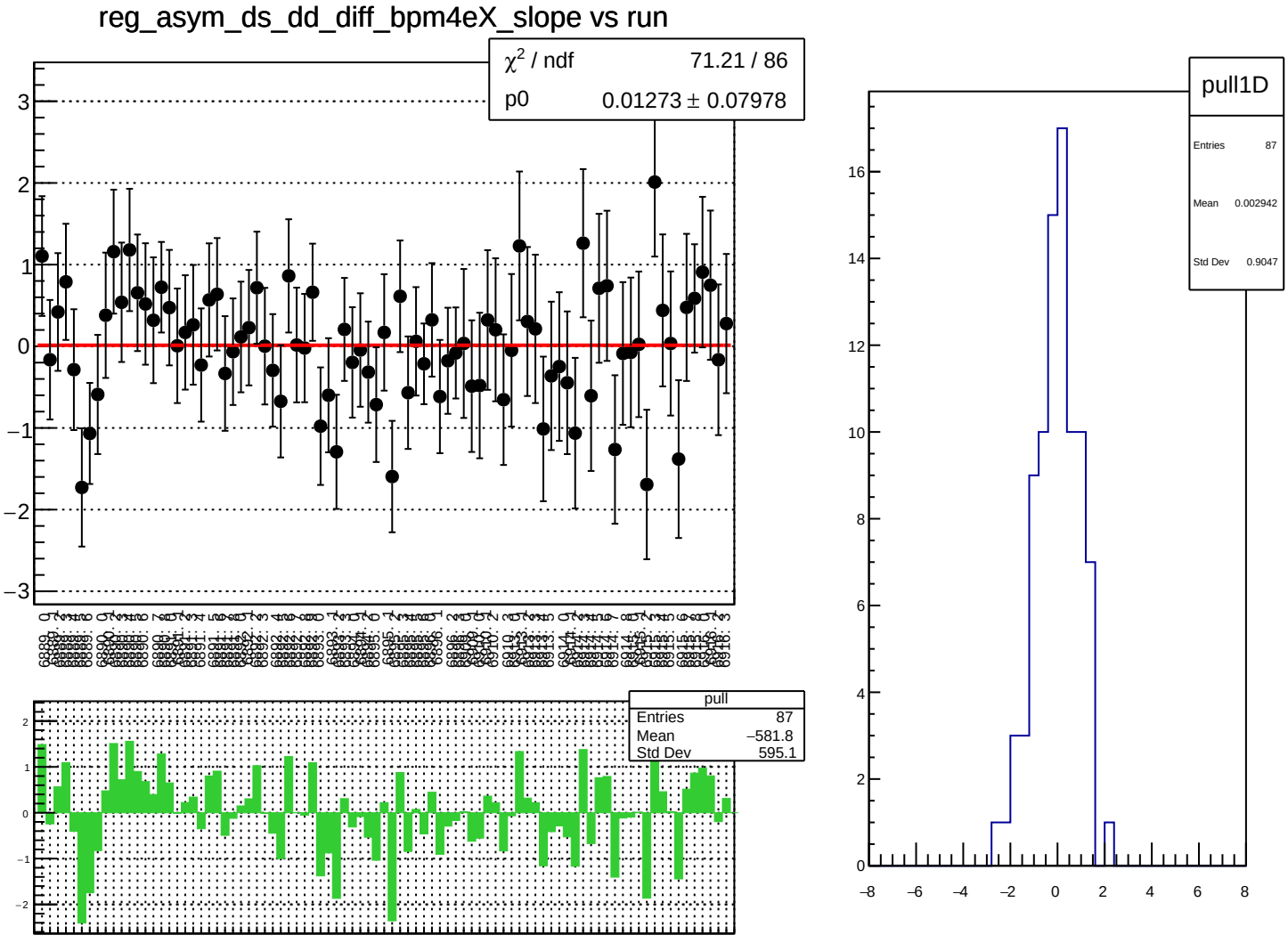

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 83 / 86
p0 0.00275 ± 0.003267
pull
Entries 87
Mean −140.2
Std Dev 169.2

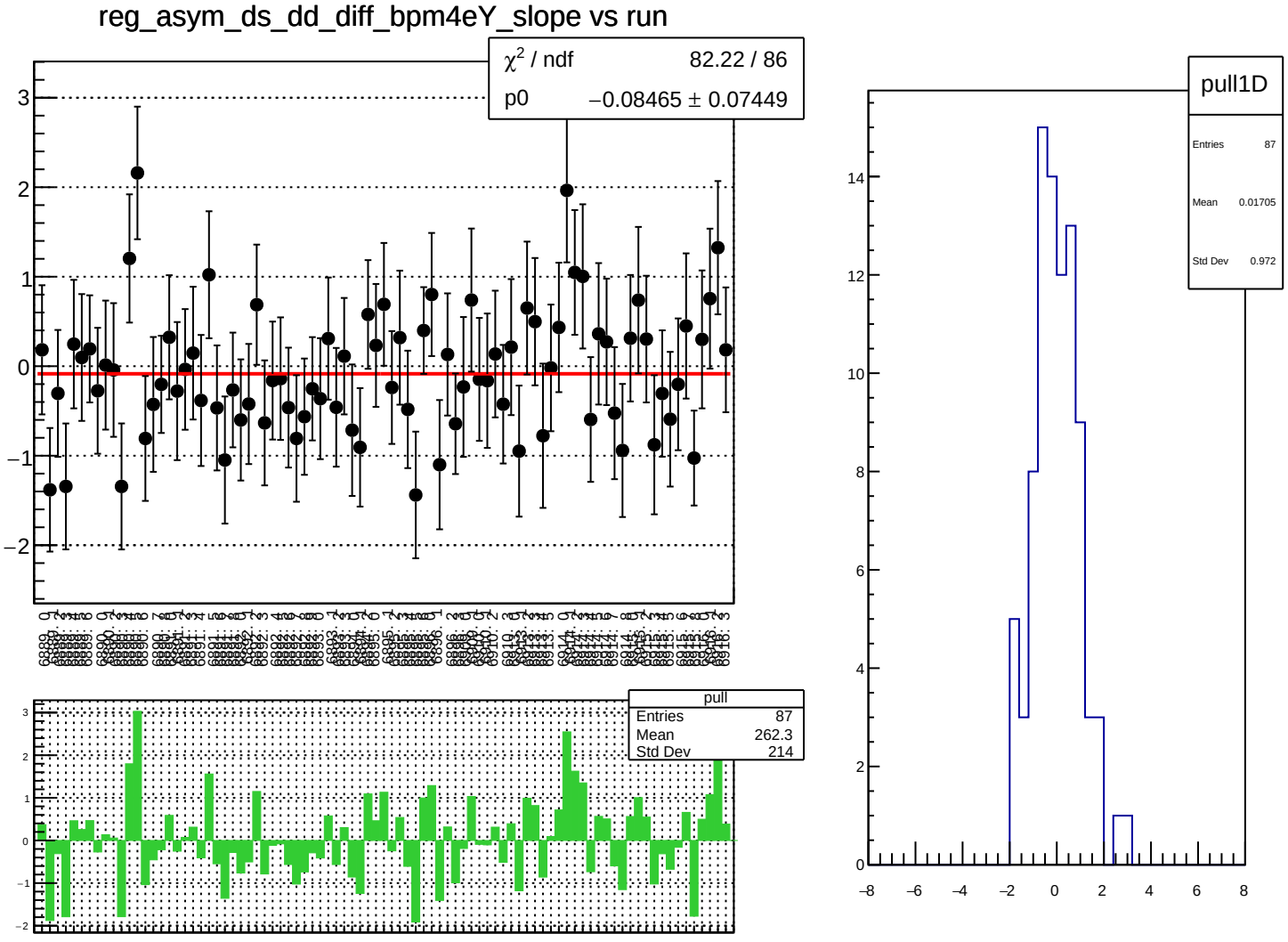

pull1D
Entries 87
Mean 0.01334
Std Dev 0.9766

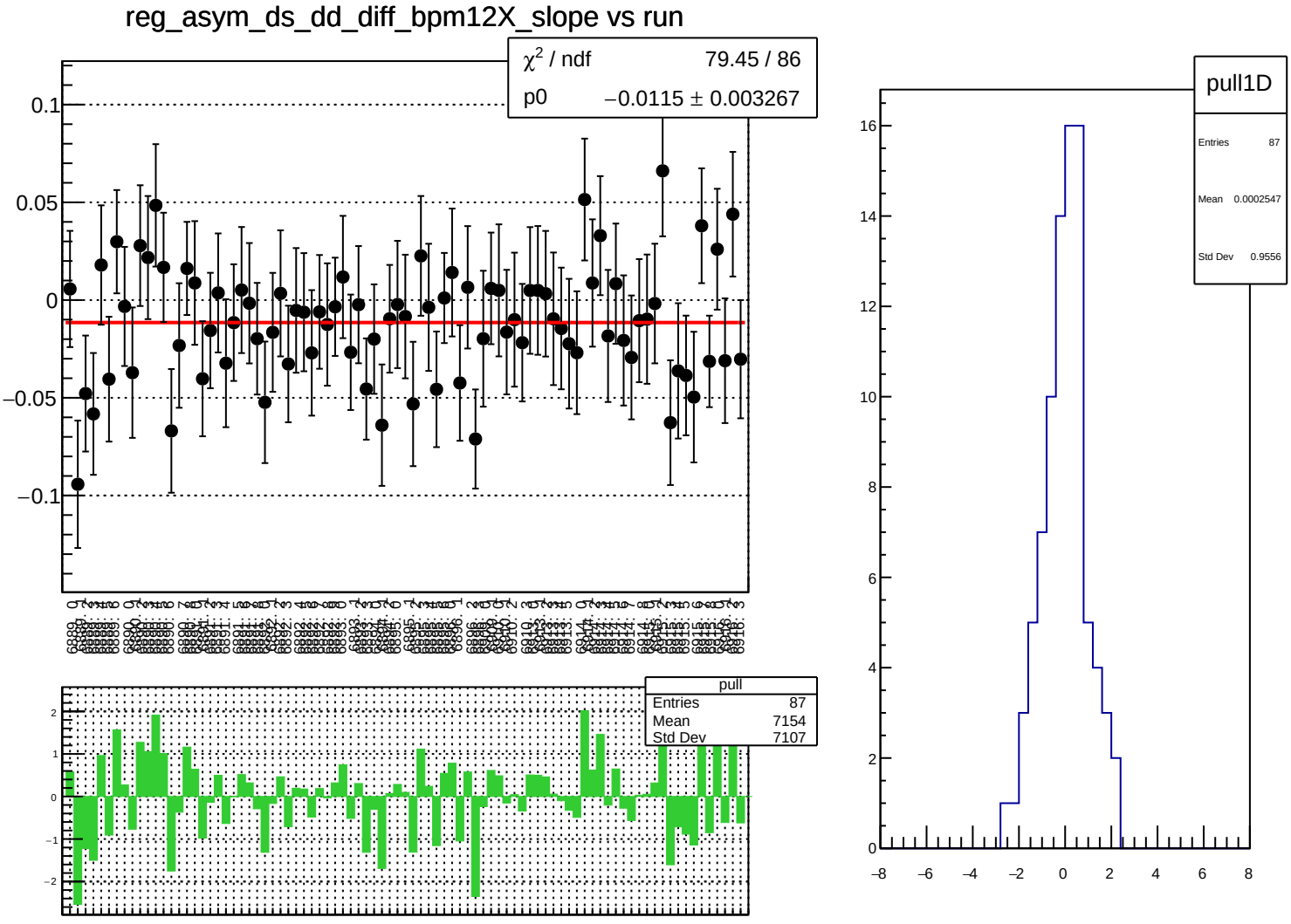

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 72.55 / 86
p0 −0.005222 ± 0.08328
pull
Entries 87
Mean −193.3
Std Dev 187.7

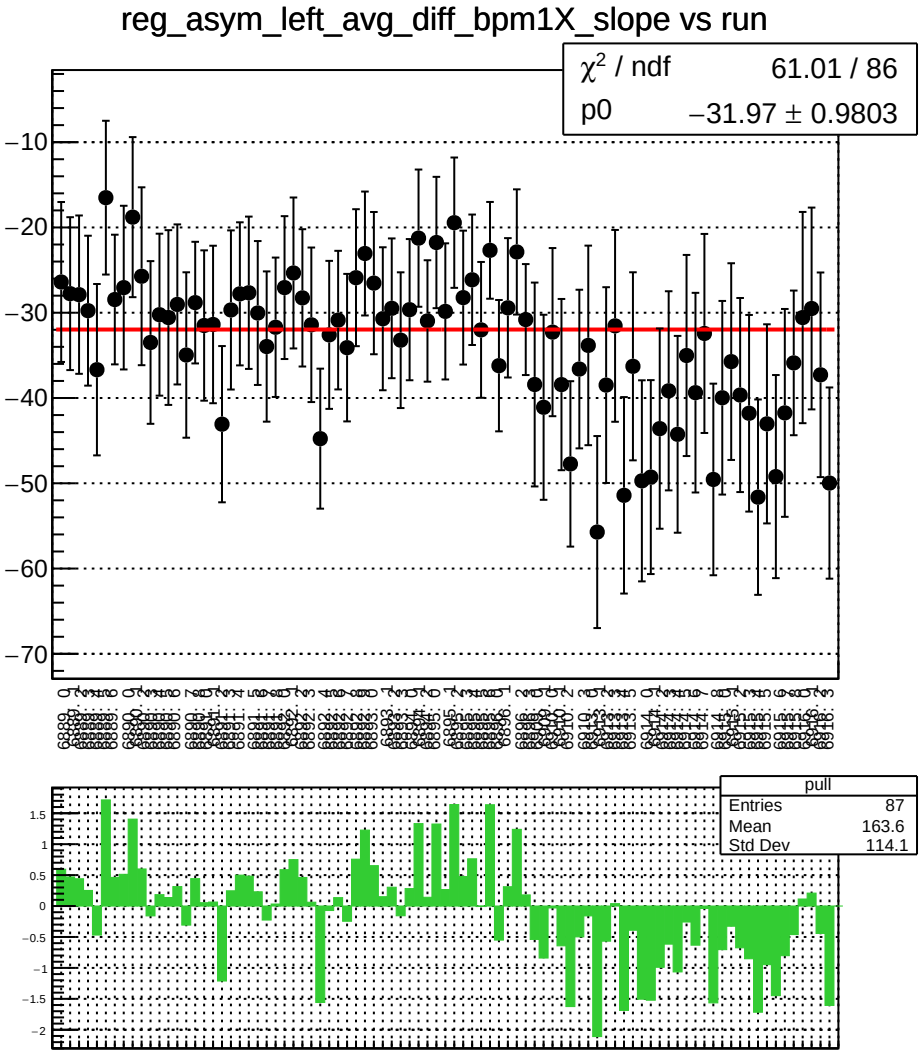

pull1D
Entries 87
Mean −0.005206
Std Dev 0.9131

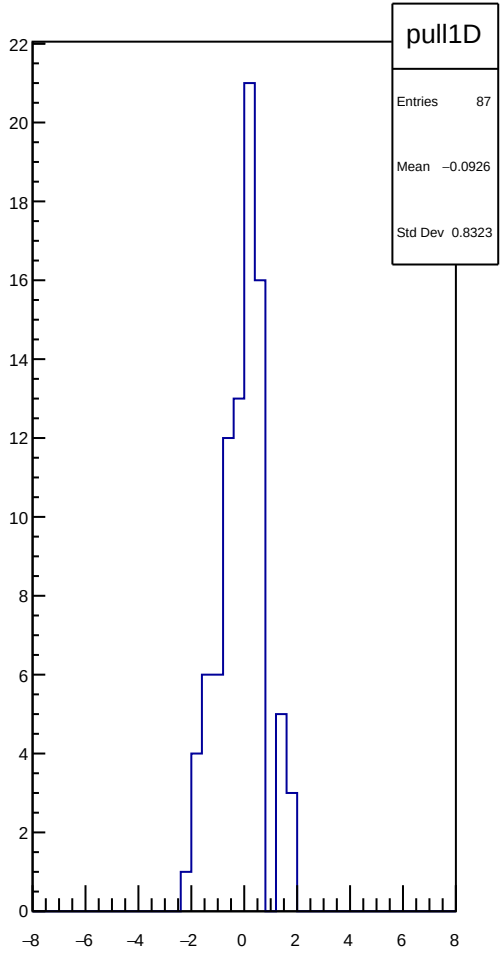

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 85.61 / 86
p0 0.08243 ± 0.06311
pull
Entries 87
Mean 198.3
Std Dev 148.8
pull1D
Entries 87
Mean −0.02522
Std Dev 0.9916

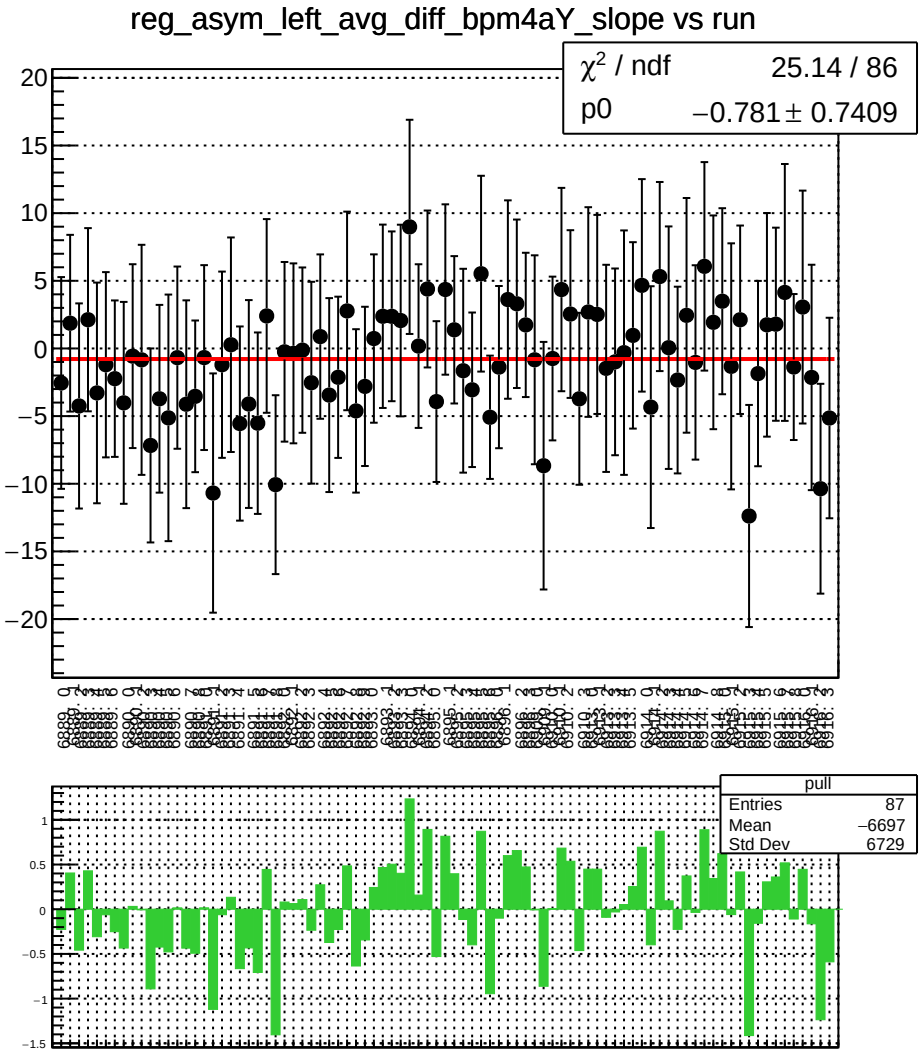

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 71.21 / 86
p0 0.01273 ± 0.07978
pull
Entries 87
Mean −581.8
Std Dev 595.1
pull1D
Entries 87
Mean 0.002942
Std Dev 0.9047

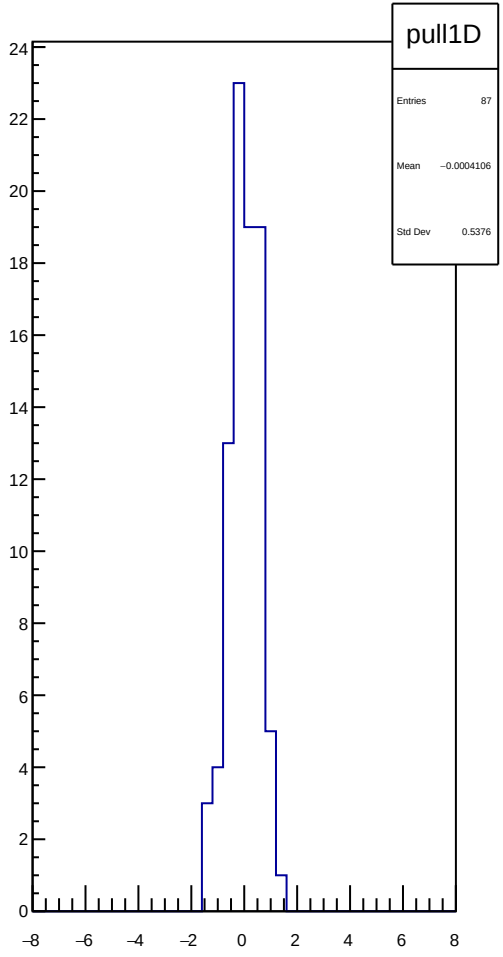

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.22 / 86
p0 −0.08465 ± 0.07449
pull
Entries 87
Mean 262.3
Std Dev 214
pull1D
Entries 87
Mean 0.01705
Std Dev 0.972

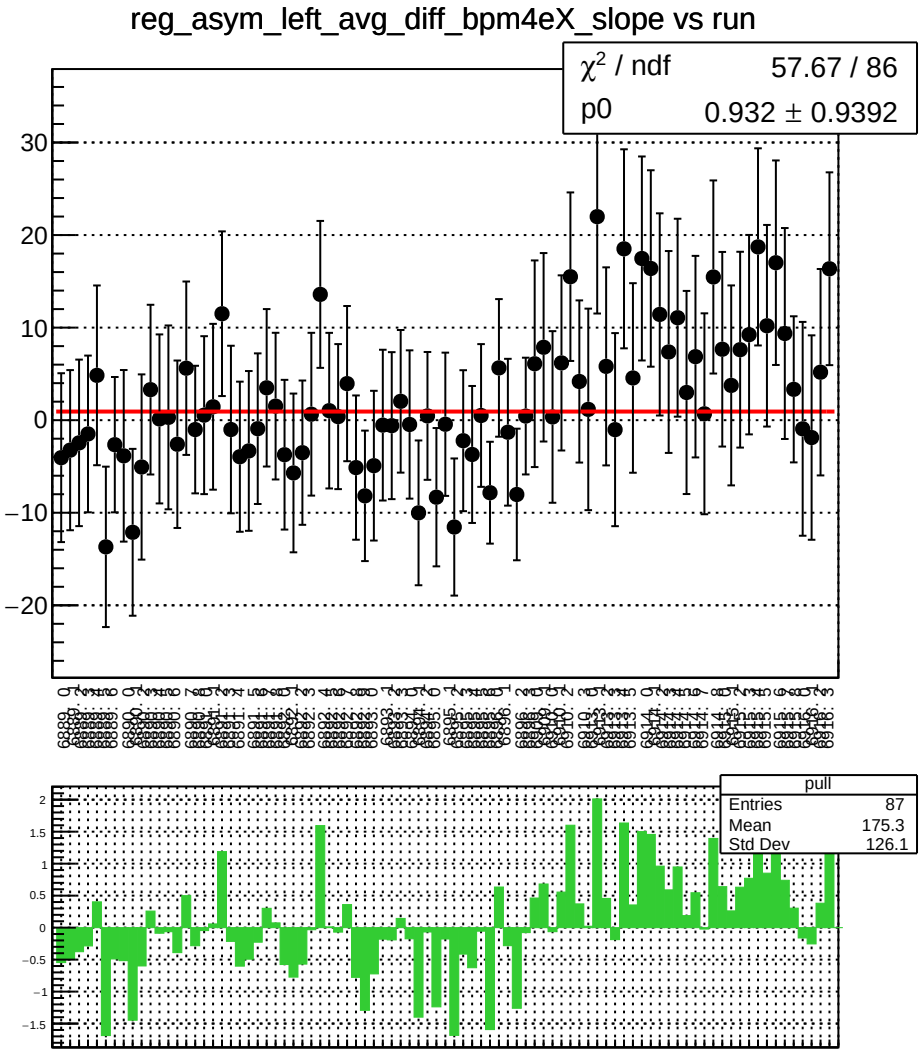

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 79.45 / 86
p0 −0.0115 ± 0.003267
pull
Entries 87
Mean 7154
Std Dev 7107
pull1D
Entries 87
Mean 0.0002547
Std Dev 0.9556

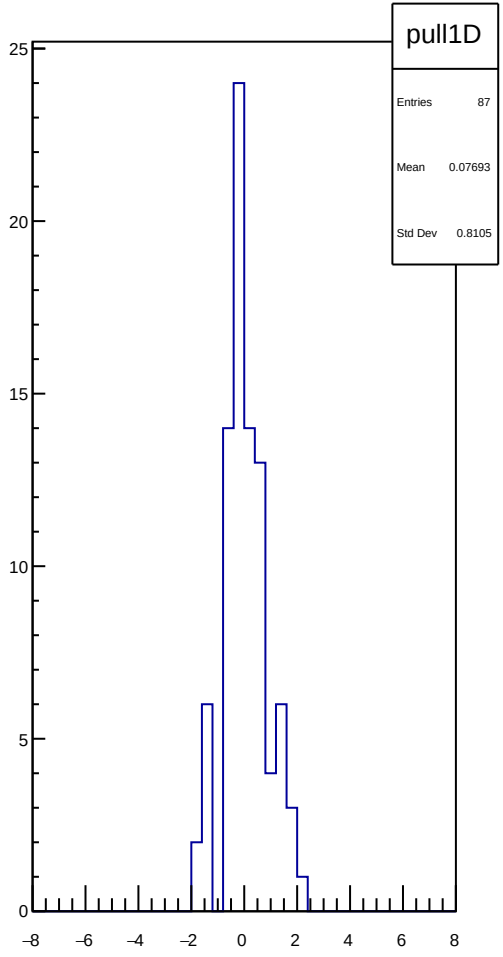

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 61.01 / 86
p0 −31.97 ± 0.9803
pull
Entries 87
Mean 163.6
Std Dev 114.1

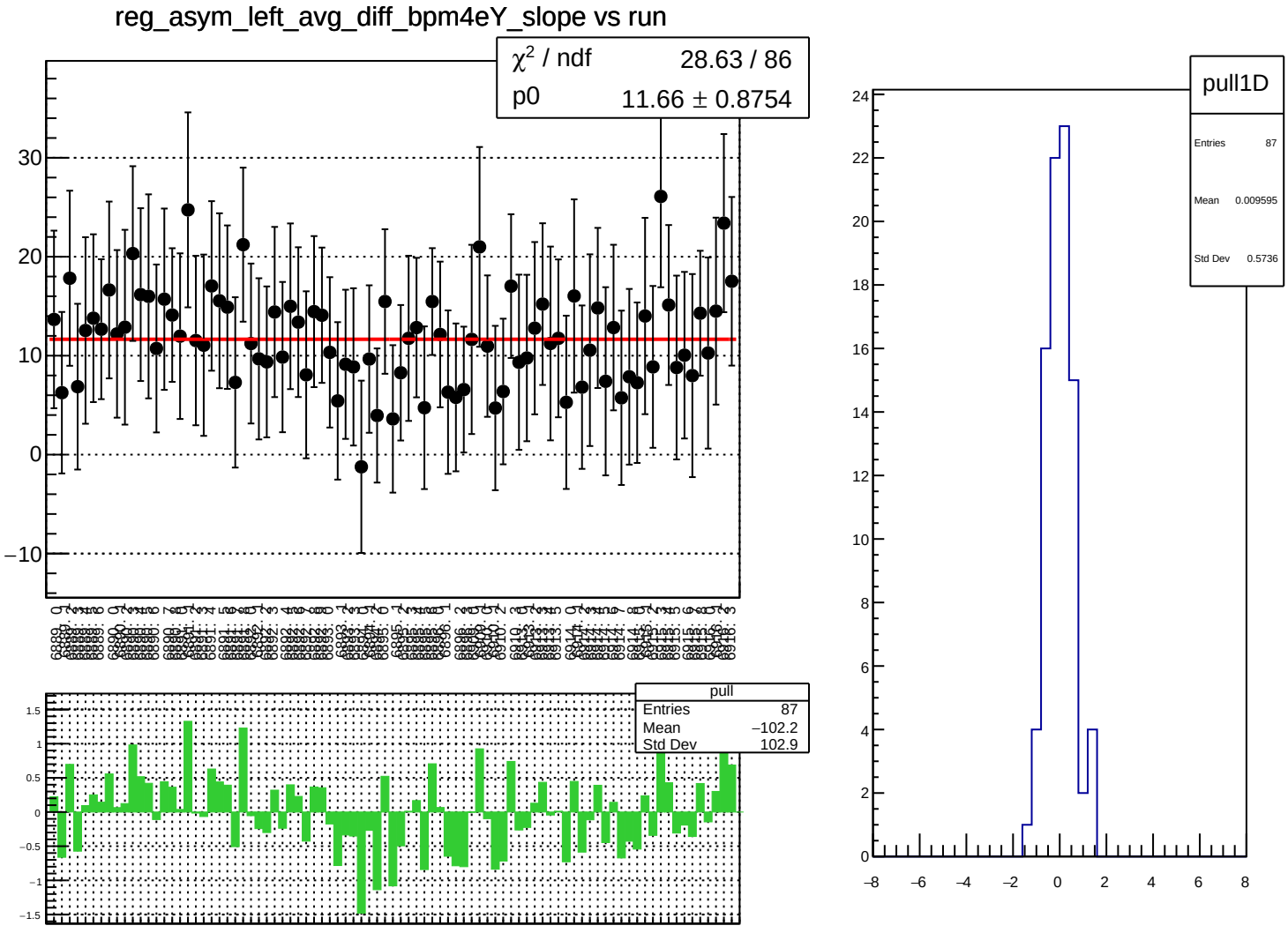

pull1D
Entries 87
Mean −0.0926
Std Dev 0.8323

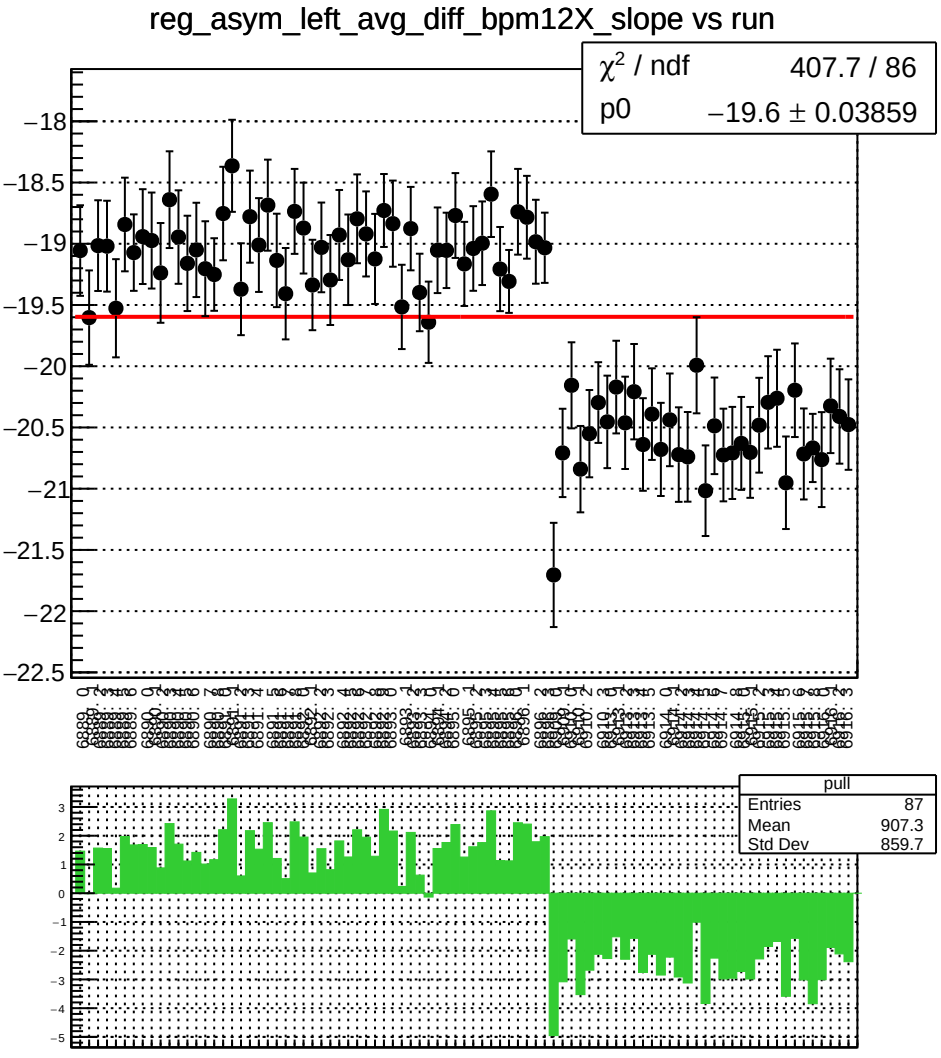

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 25.14 / 86
p0 −0.781 ± 0.7409
pull
Entries 87
Mean −6697
Std Dev 6729

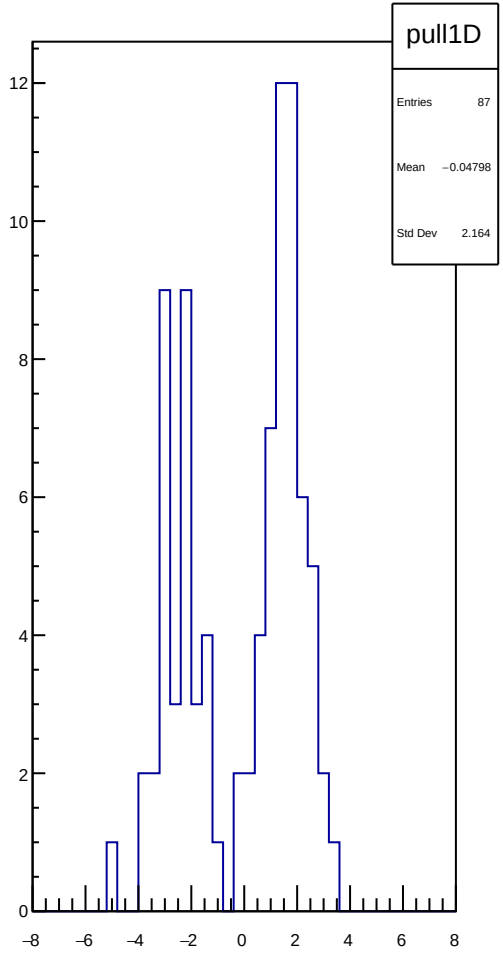

pull1D
Entries 87
Mean −0.0004106
Std Dev 0.5376

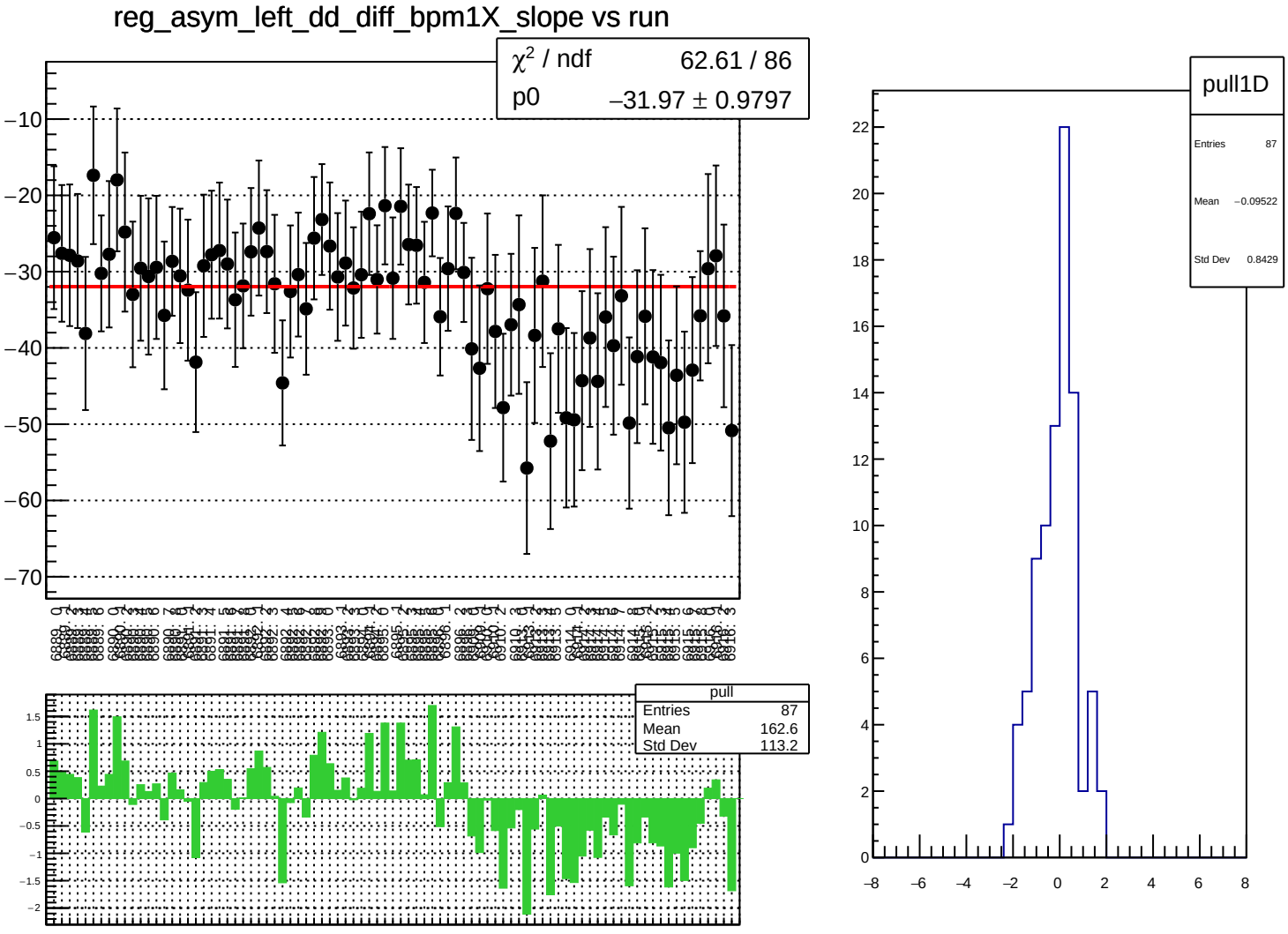

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 57.67 / 86
p0 0.932 ± 0.9392
pull
Entries 87
Mean 175.3
Std Dev 126.1

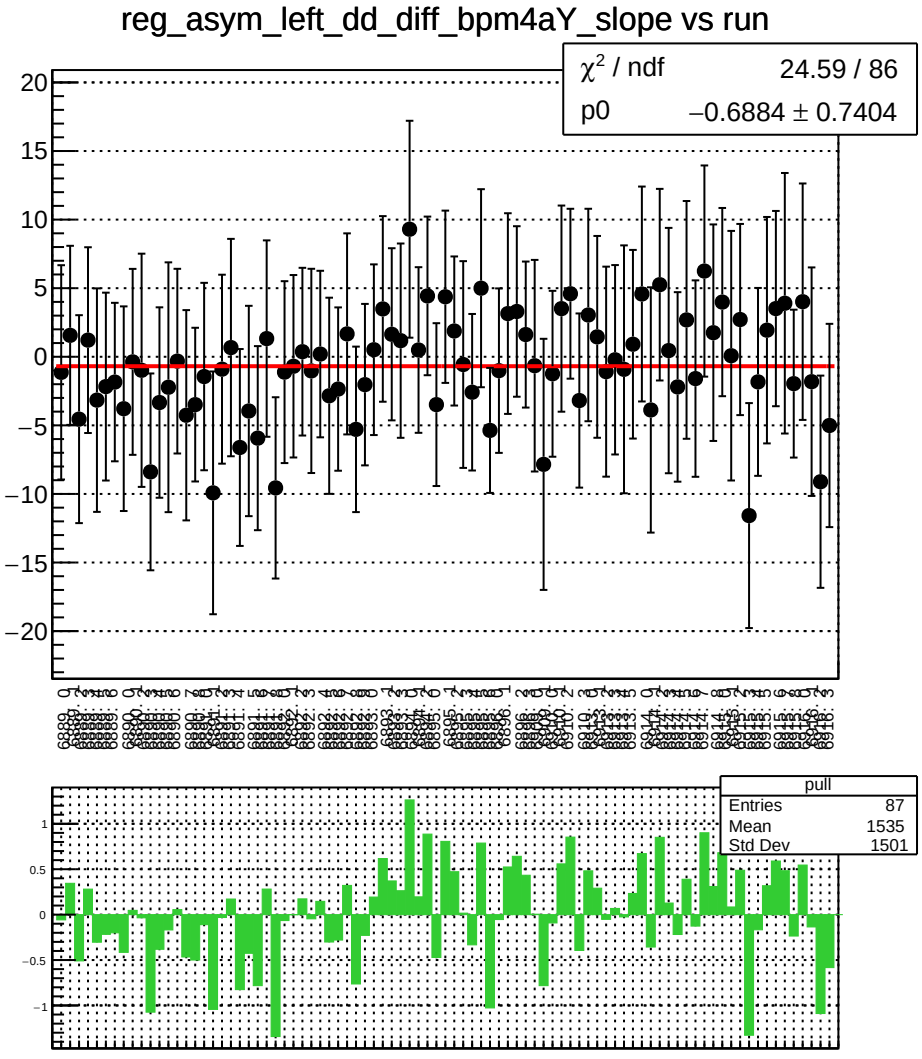

pull1D
Entries 87
Mean 0.07693
Std Dev 0.8105

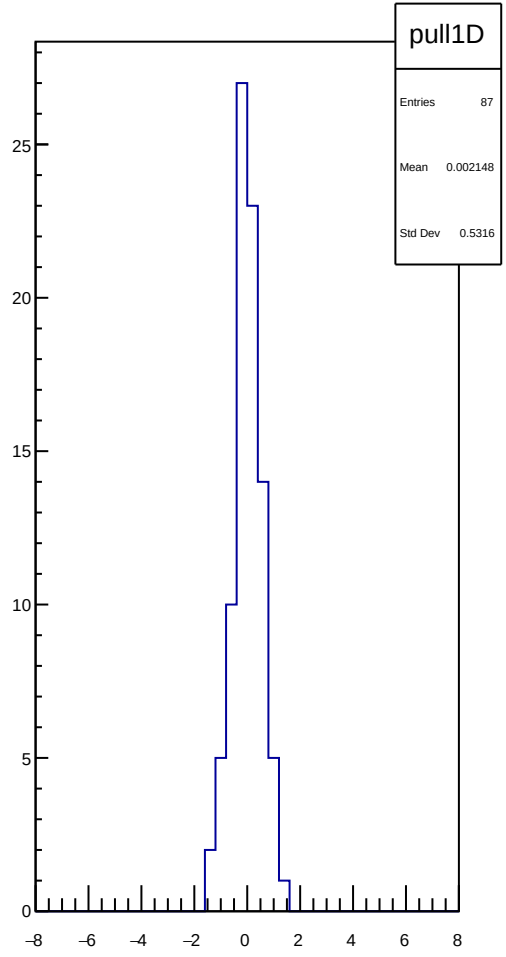

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 28.63 / 86
p0 11.66 ± 0.8754
pull
Entries 87
Mean −102.2
Std Dev 102.9
pull1D
Entries 87
Mean 0.009595
Std Dev 0.5736

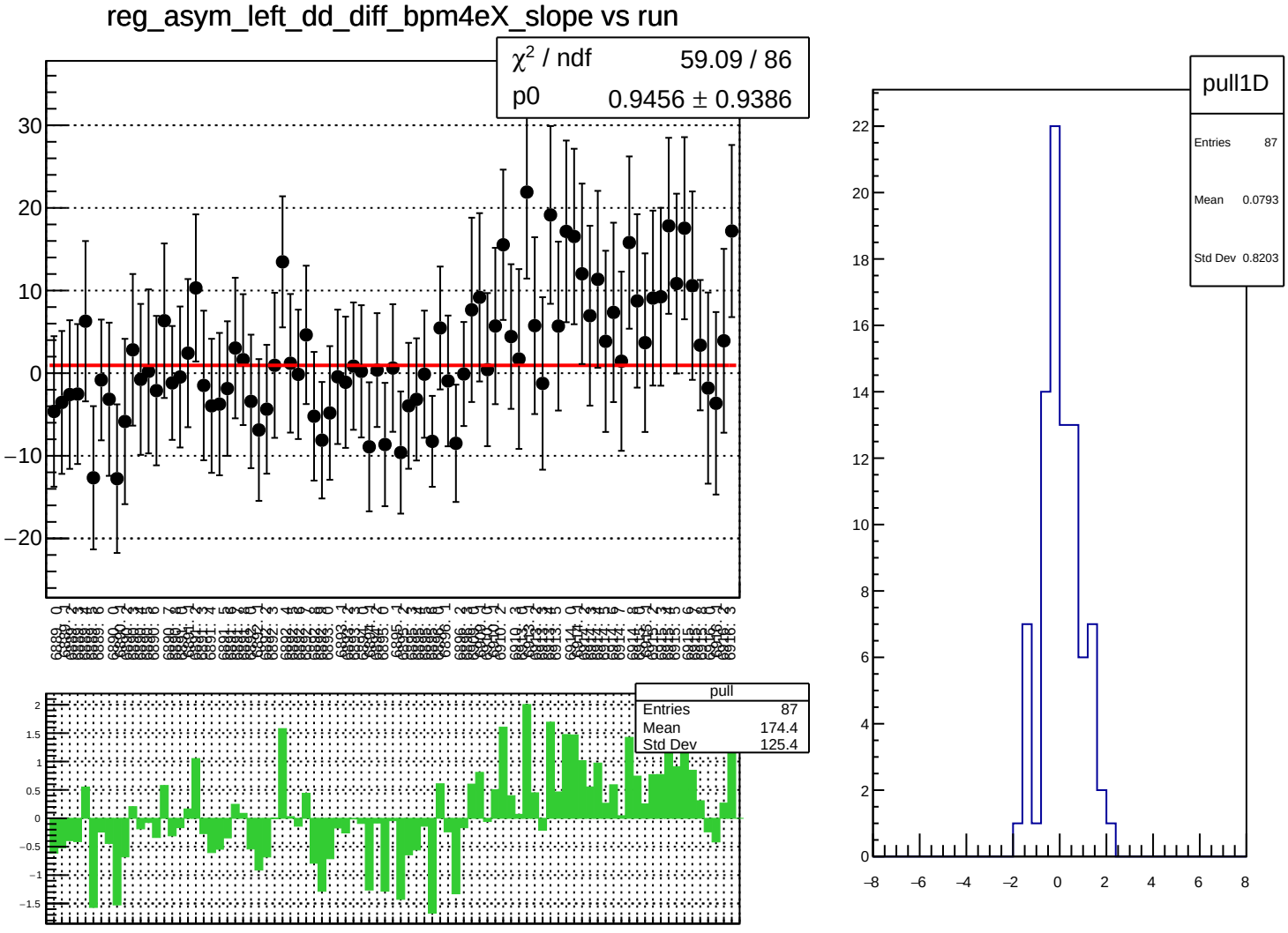

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 407.7 / 86
p0 −19.6 ± 0.03859
pull
Entries 87
Mean 907.3
Std Dev 859.7

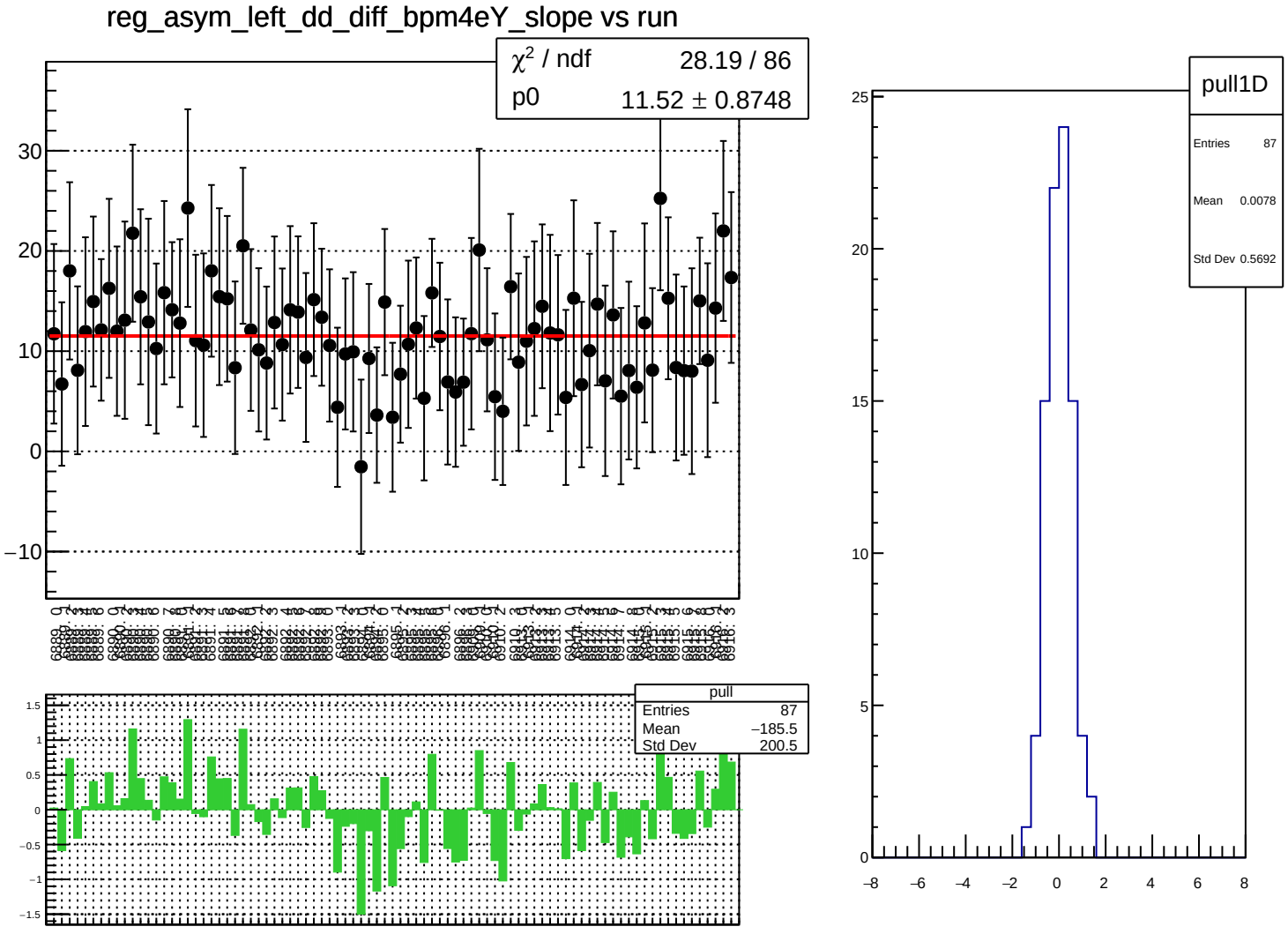

pull1D
Entries 87
Mean −0.04798
Std Dev 2.164

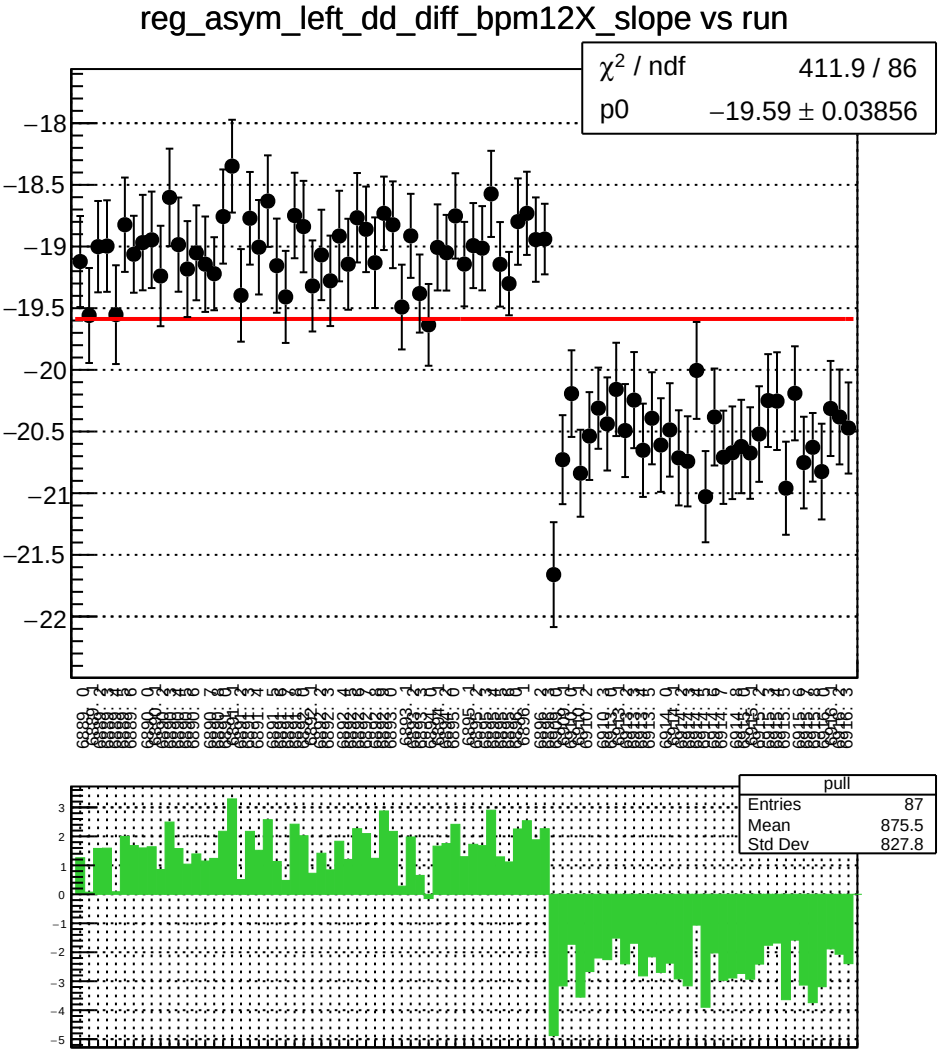

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 62.61 / 86
p0 −31.97 ± 0.9797
pull
Entries 87
Mean 162.6
Std Dev 113.2
pull1D
Entries 87
Mean −0.09522
Std Dev 0.8429

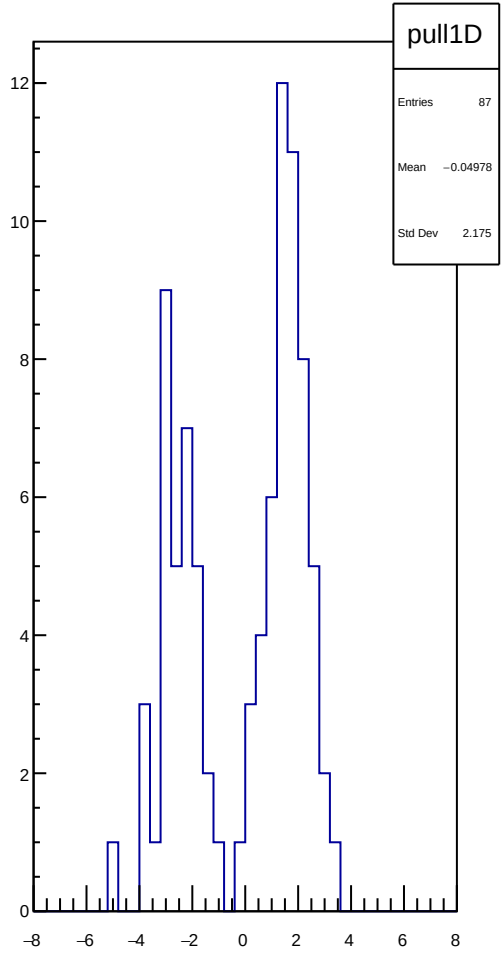

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 24.59 / 86
p0 −0.6884 ± 0.7404
pull
Entries 87
Mean 1535
Std Dev 1501

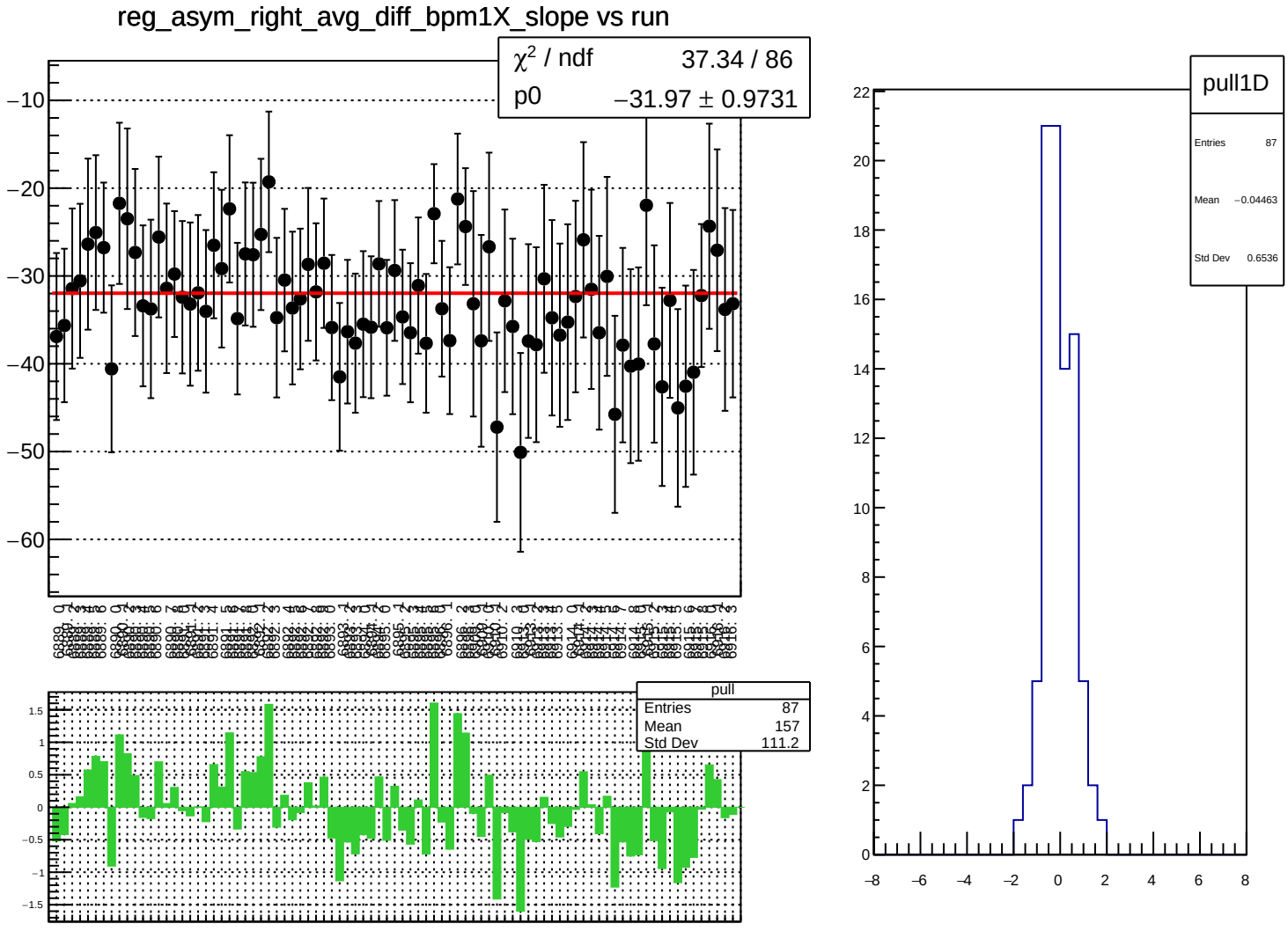

pull1D
Entries 87
Mean 0.002148
Std Dev 0.5316

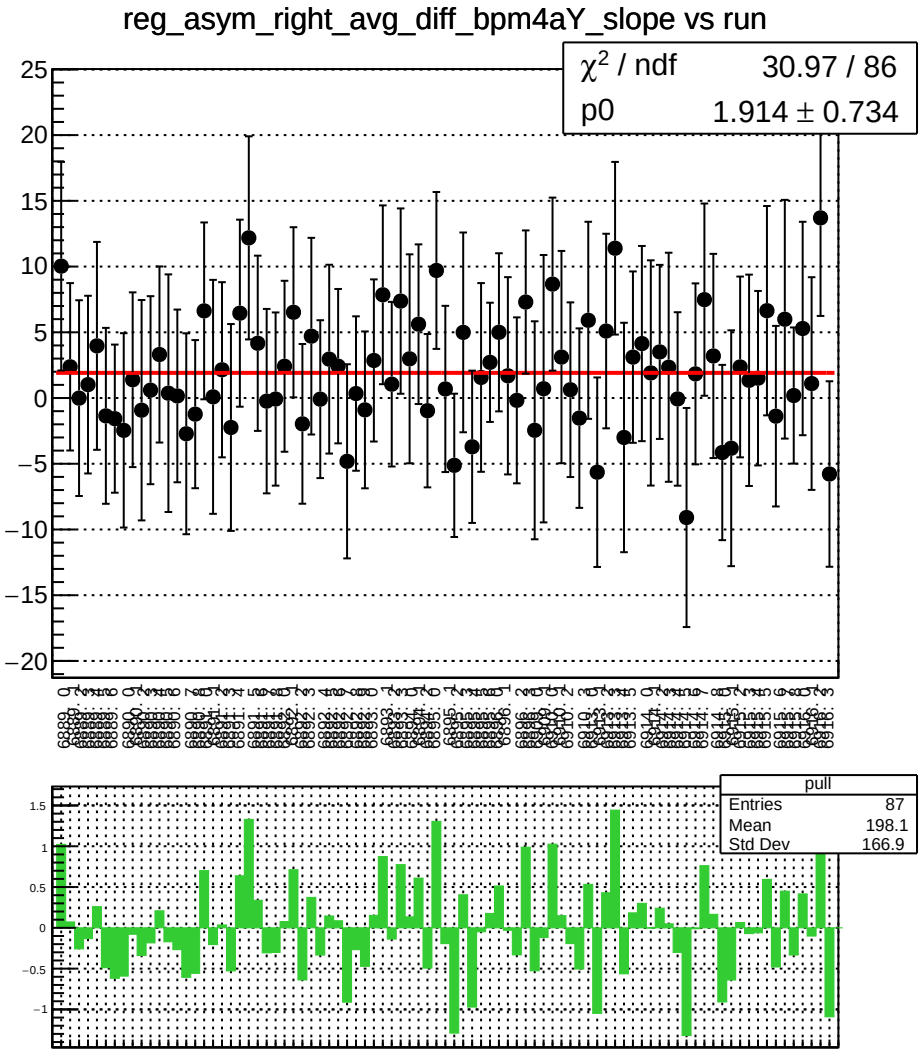

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 59.09 / 86
p0 0.9456 ± 0.9386
pull
Entries 87
Mean 174.4
Std Dev 125.4
pull1D
Entries 87
Mean 0.0793
Std Dev 0.8203

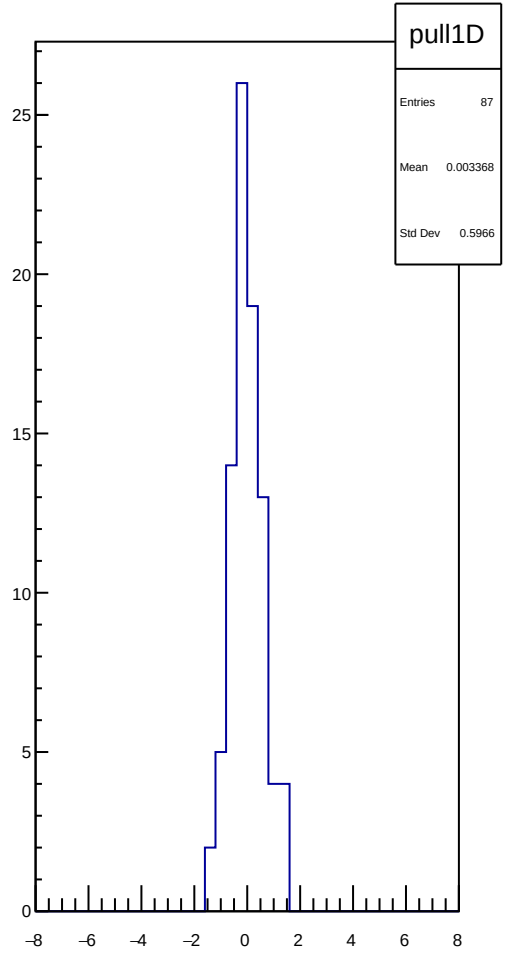

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.19 / 86
p0 11.52 ± 0.8748
pull
Entries 87
Mean −185.5
Std Dev 200.5
pull1D
Entries 87
Mean 0.0078
Std Dev 0.5692

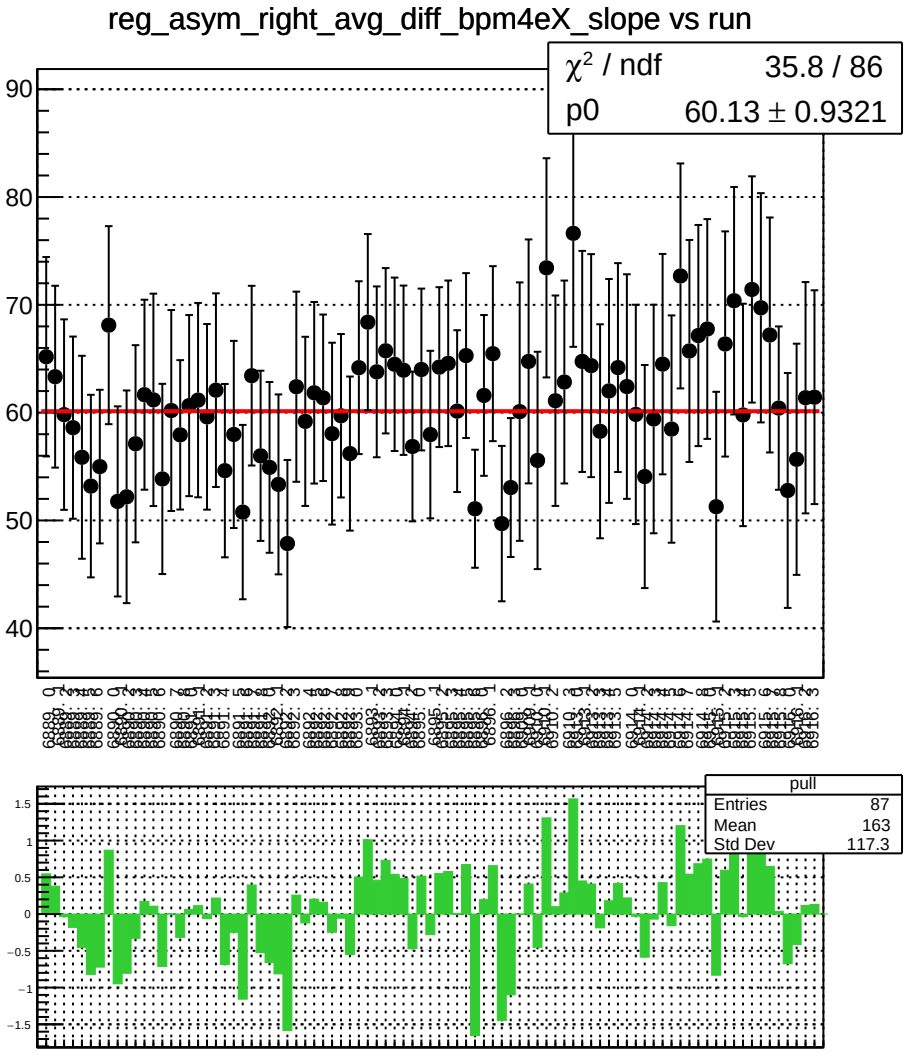

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 411.9 / 86
p0 −19.59 ± 0.03856
pull
Entries 87
Mean 875.5
Std Dev 827.8

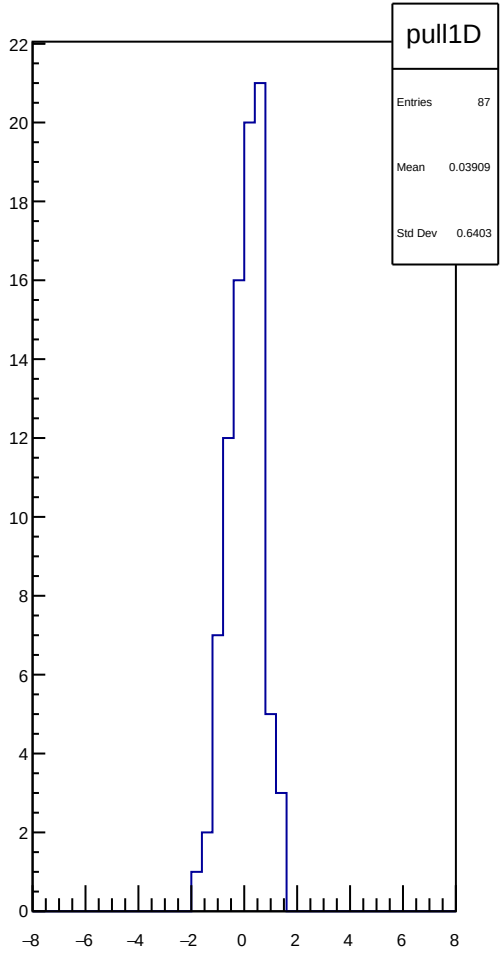

pull1D
Entries 87
Mean −0.04978
Std Dev 2.175

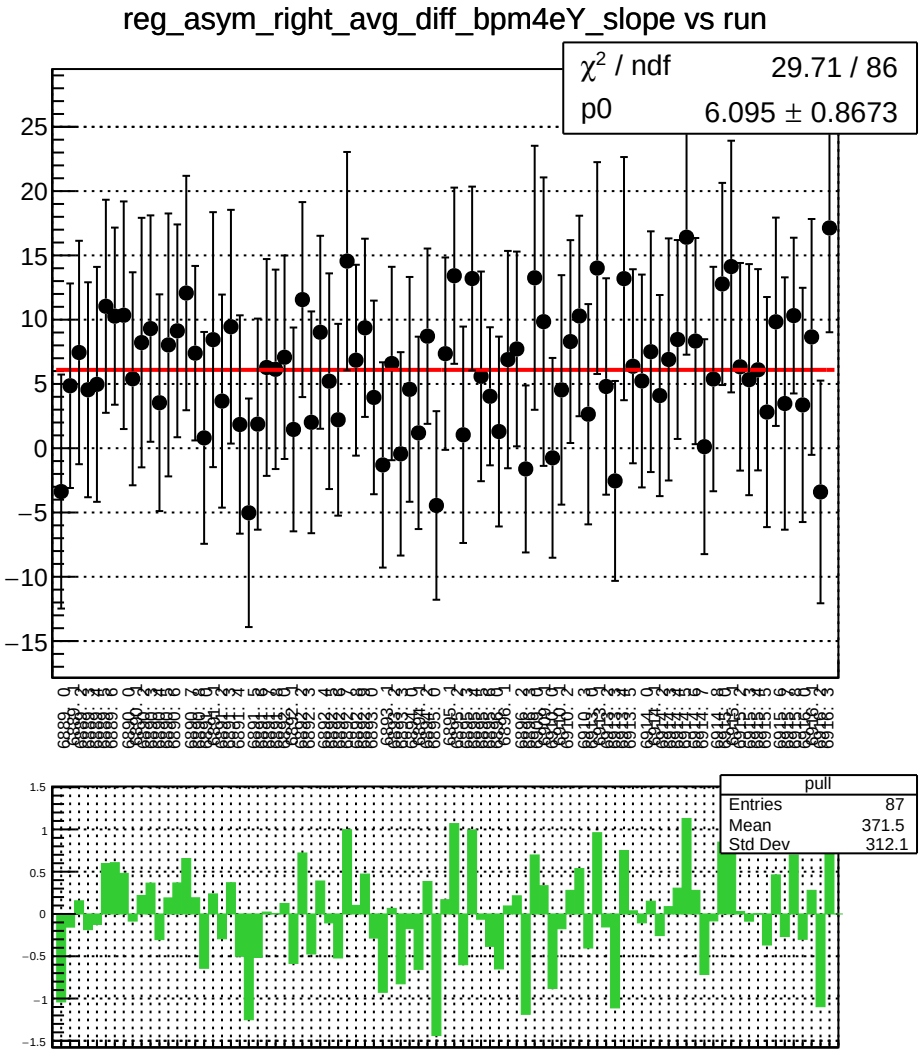

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 37.34 / 86
p0 −31.97 ± 0.9731
pull
Entries 87
Mean 157
Std Dev 111.2
pull1D
Entries 87
Mean −0.04463
Std Dev 0.6536

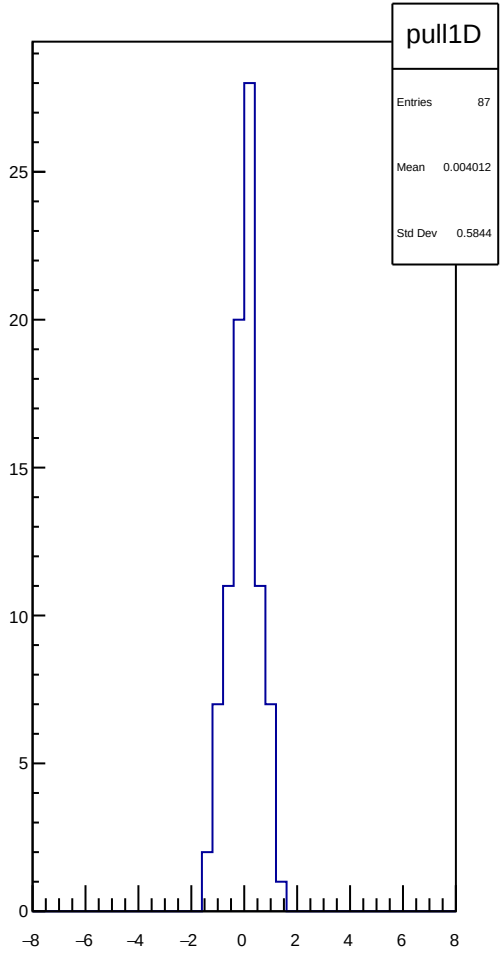

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 30.97 / 86
p0 1.914 ± 0.734
pull
Entries 87
Mean 198.1
Std Dev 166.9

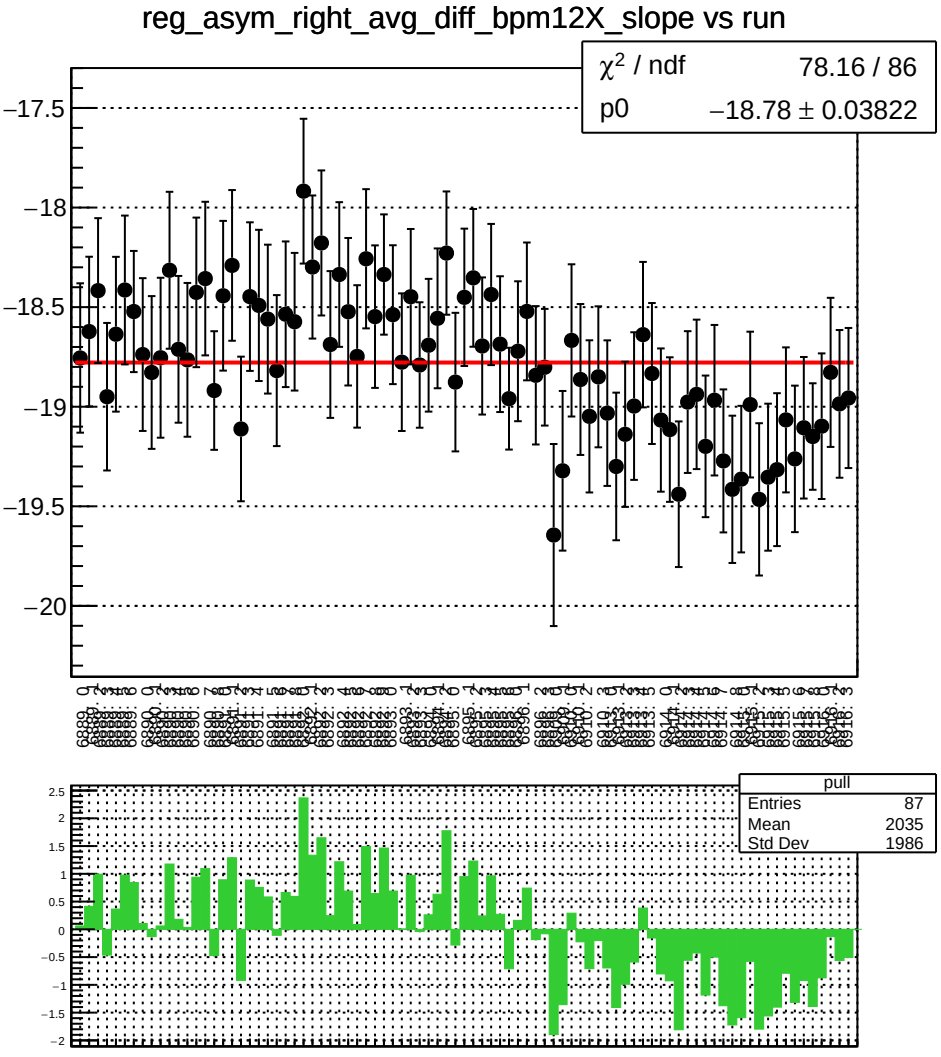

pull1D
Entries 87
Mean 0.003368
Std Dev 0.5966

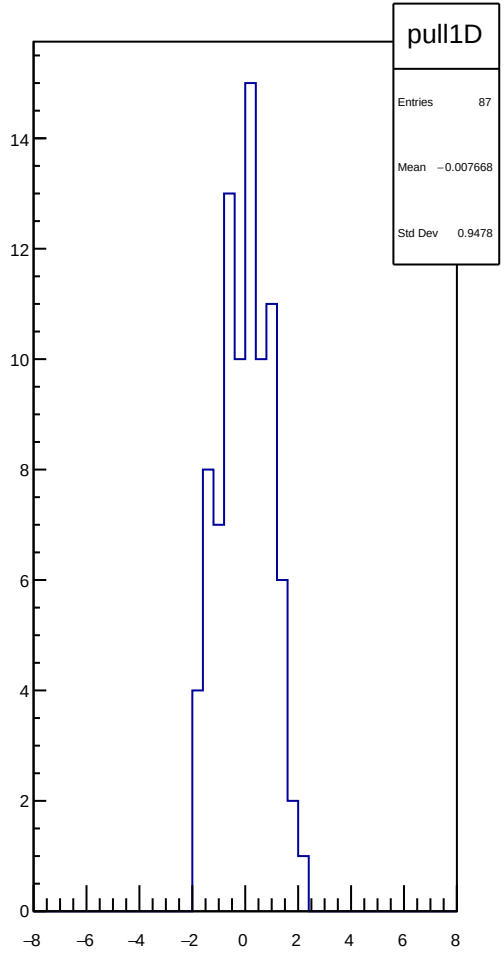

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.8 / 86
p0 60.13 ± 0.9321
pull
Entries 87
Mean 163
Std Dev 117.3

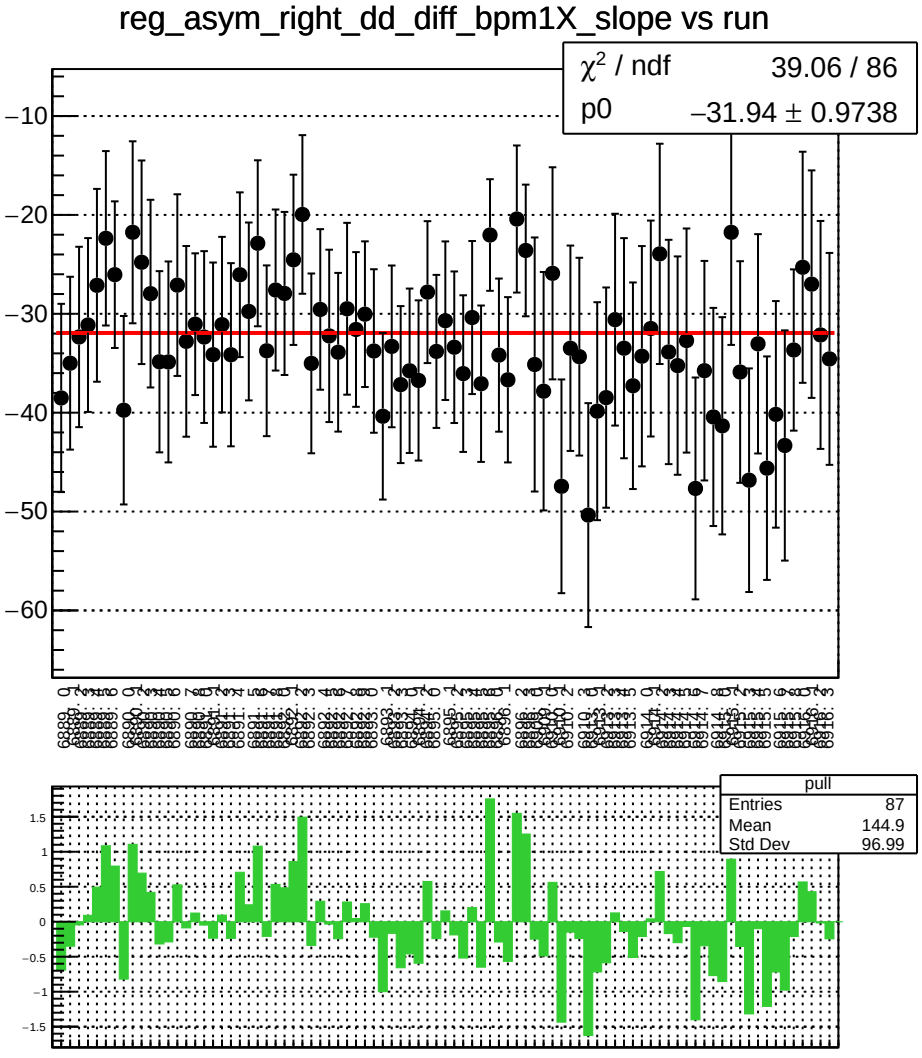

pull1D
Entries 87
Mean 0.03909
Std Dev 0.6403

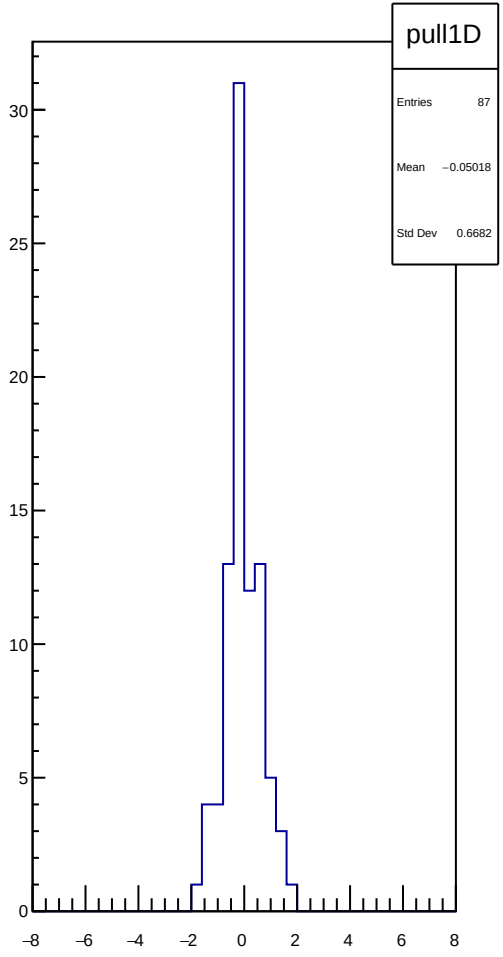

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.71 / 86
p0 6.095 ± 0.8673
pull
Entries 87
Mean 371.5
Std Dev 312.1

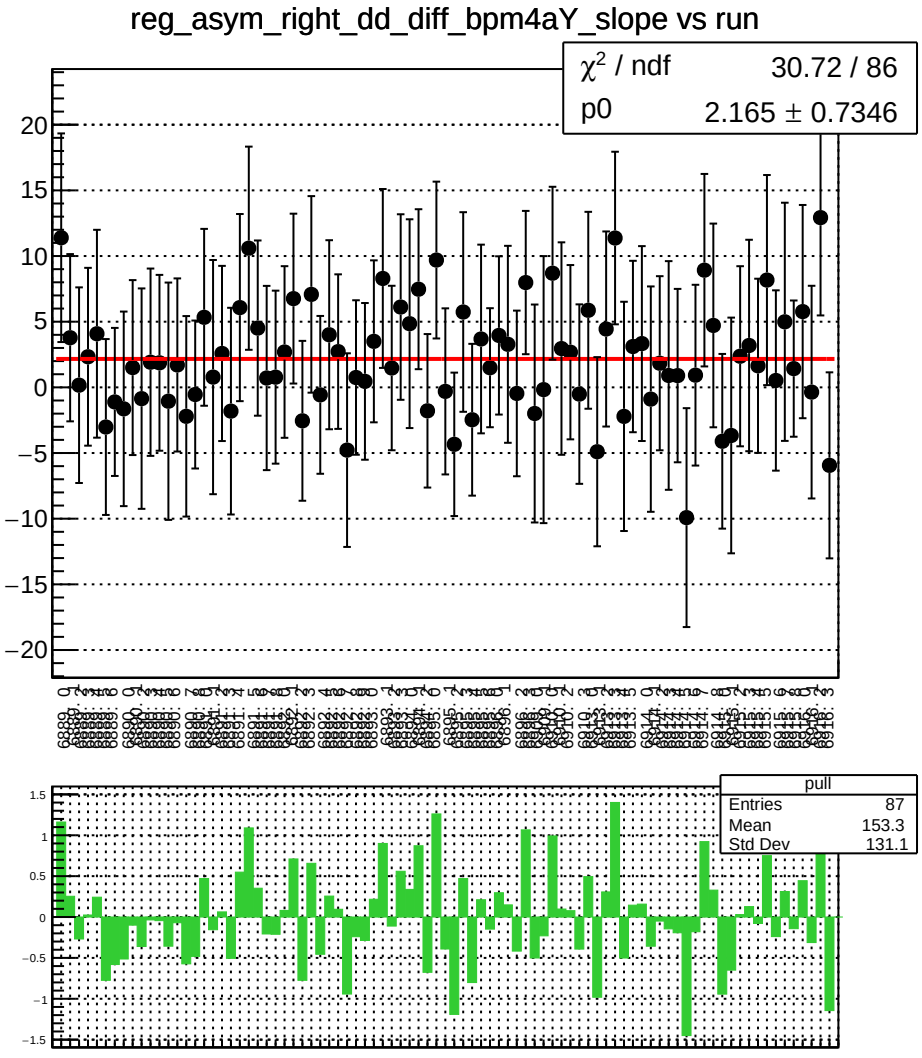

pull1D
Entries 87
Mean 0.004012
Std Dev 0.5844

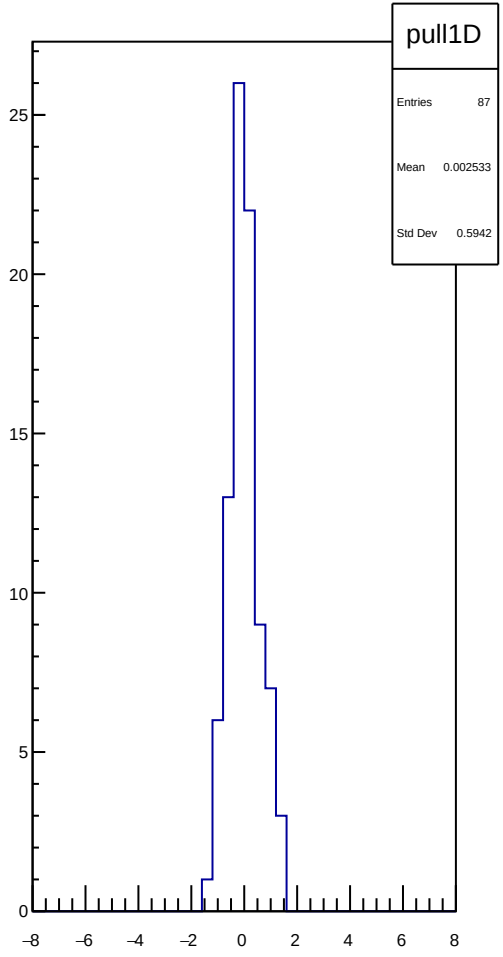

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 78.16 / 86
p0 −18.78 ± 0.03822
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 87
Mean 2035
Std Dev 1986
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

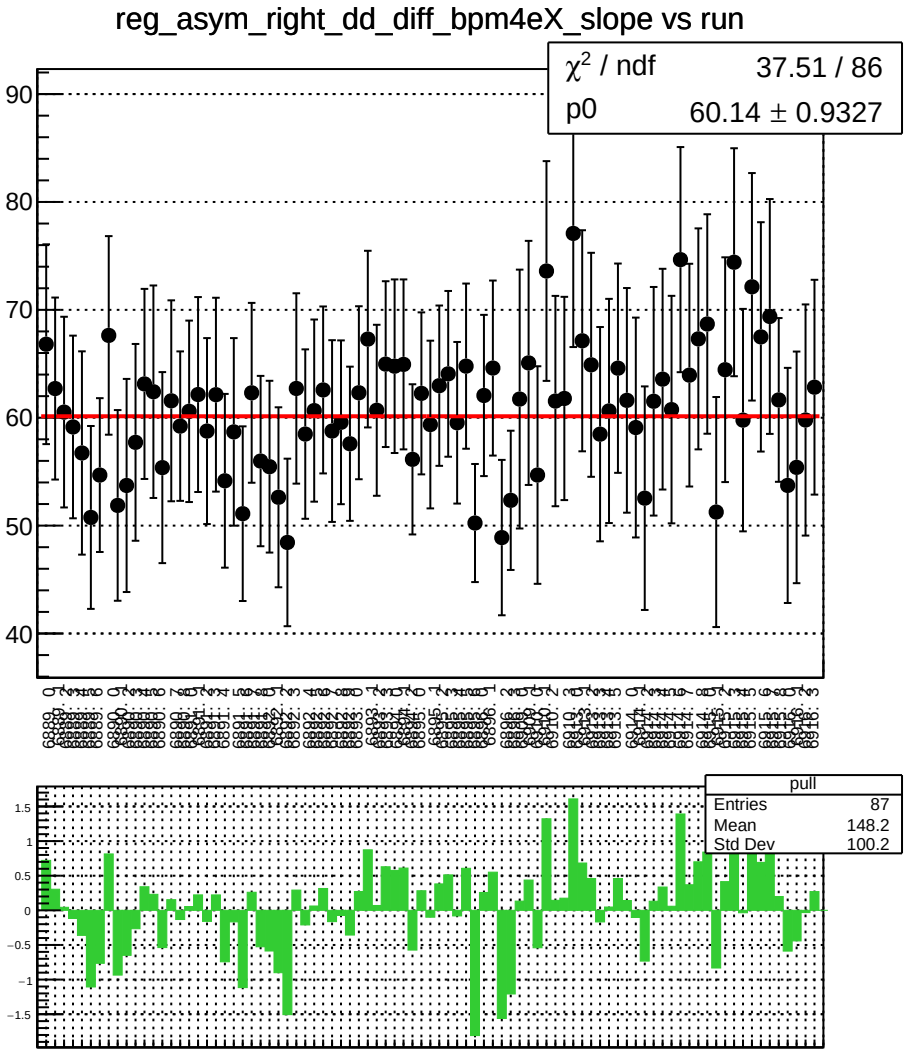

pull1D
Entries 87
Mean −0.007668
Std Dev 0.9478
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

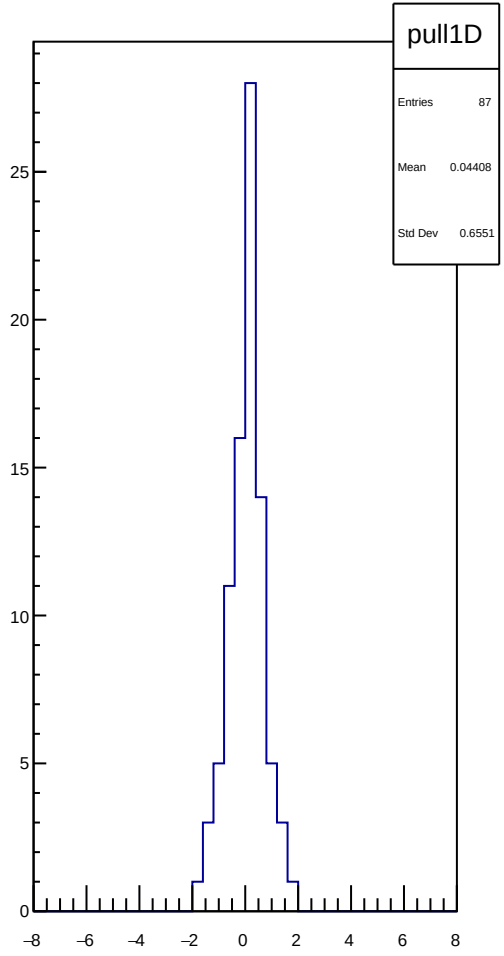

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 39.06 / 86
p0 −31.94 ± 0.9738
pull
Entries 87
Mean 144.9
Std Dev 96.99

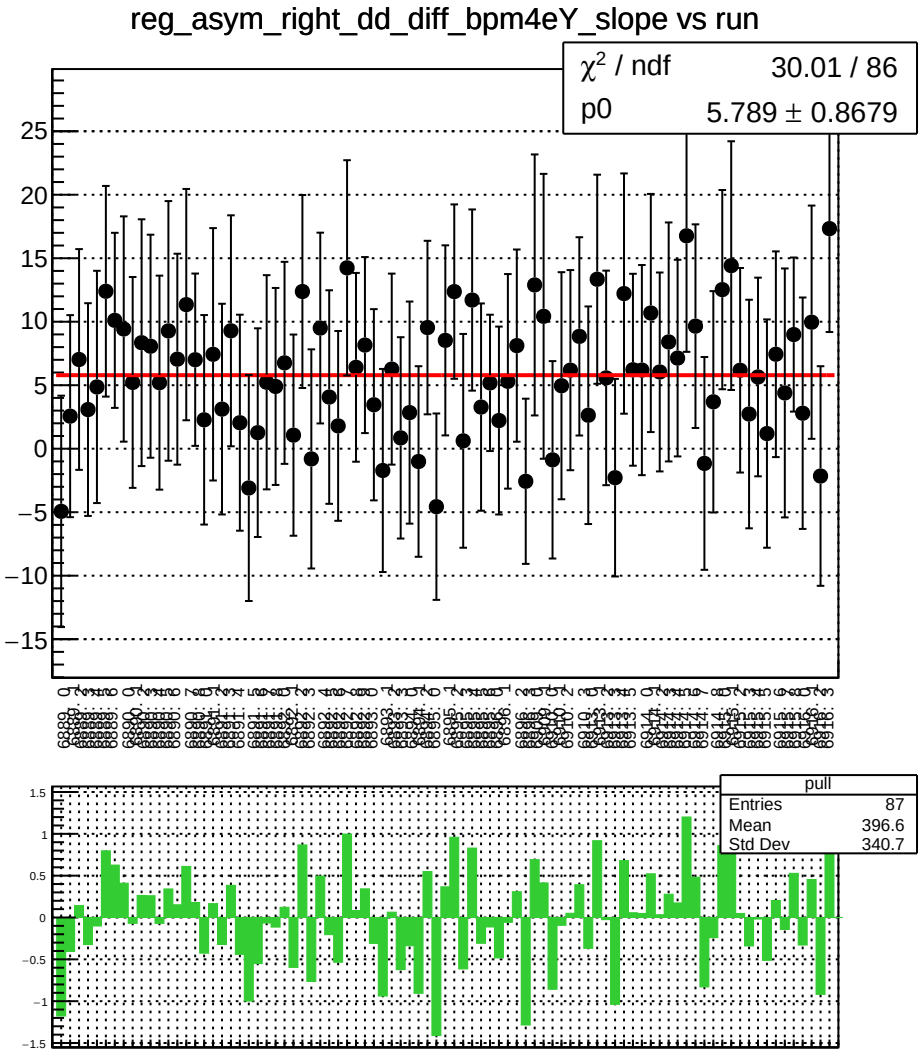

pull1D
Entries 87
Mean −0.05018
Std Dev 0.6682

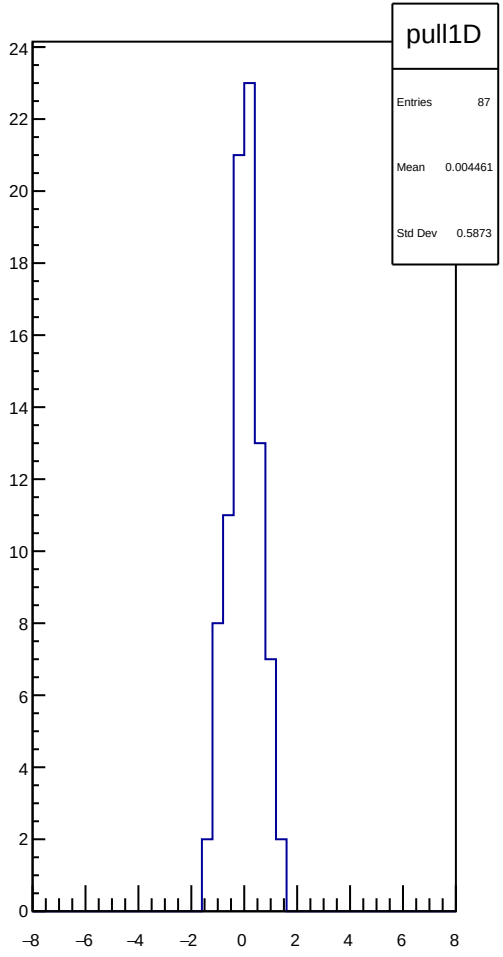

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.72 / 86
p0 2.165 ± 0.7346
pull
Entries 87
Mean 153.3
Std Dev 131.1

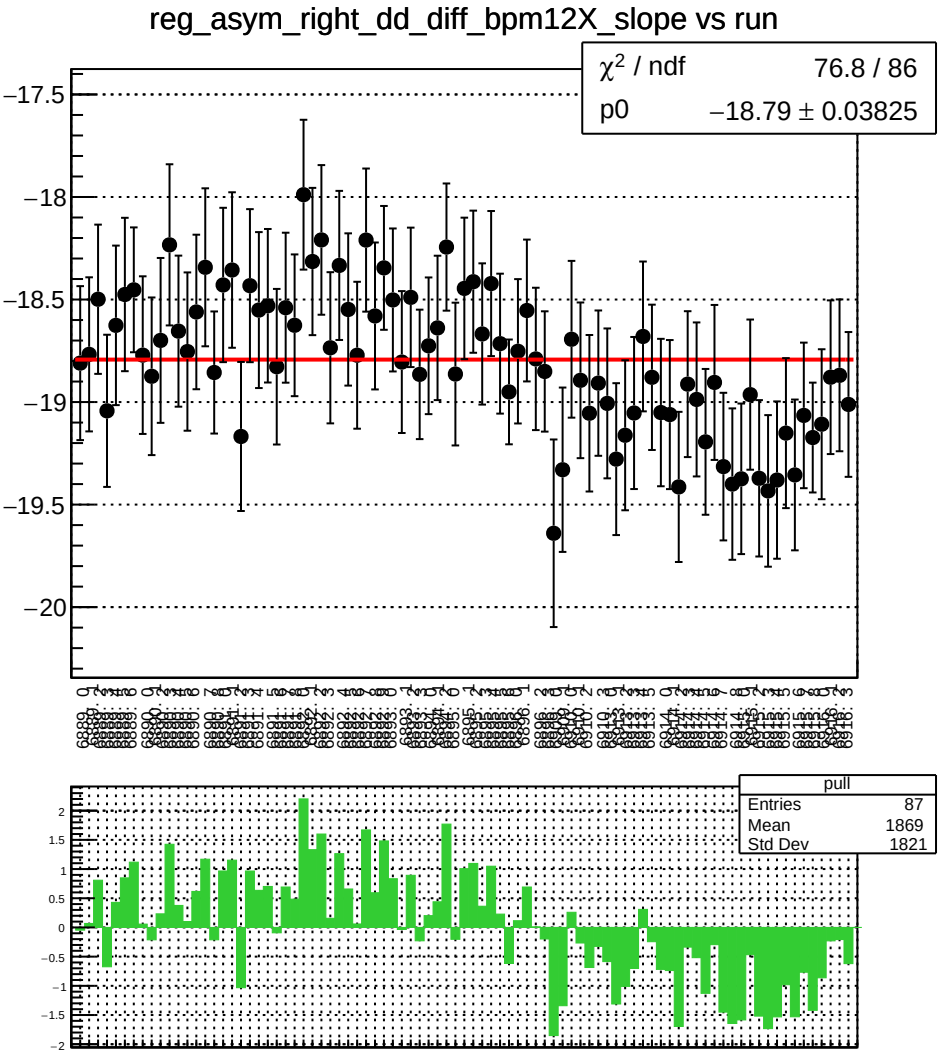

pull1D
Entries 87
Mean 0.002533
Std Dev 0.5942

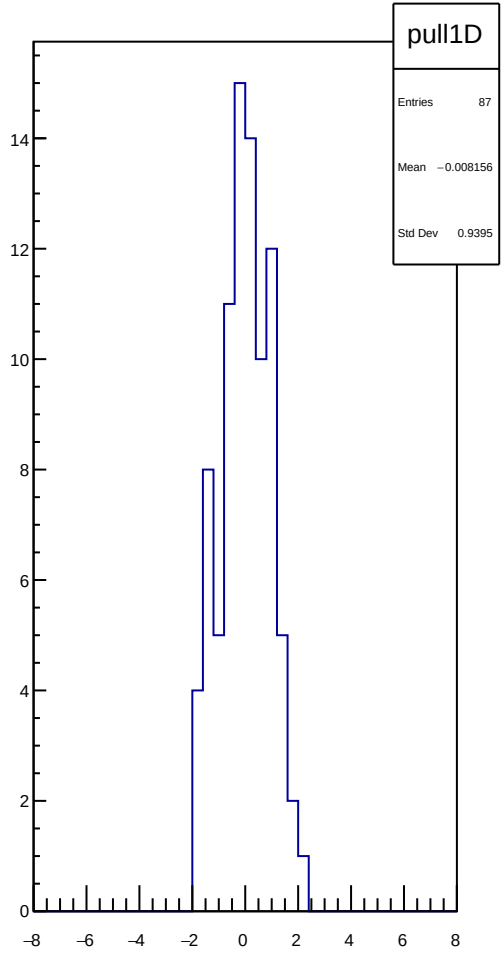

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 37.51 / 86
p0 60.14 ± 0.9327
pull
Entries 87
Mean 148.2
Std Dev 100.2

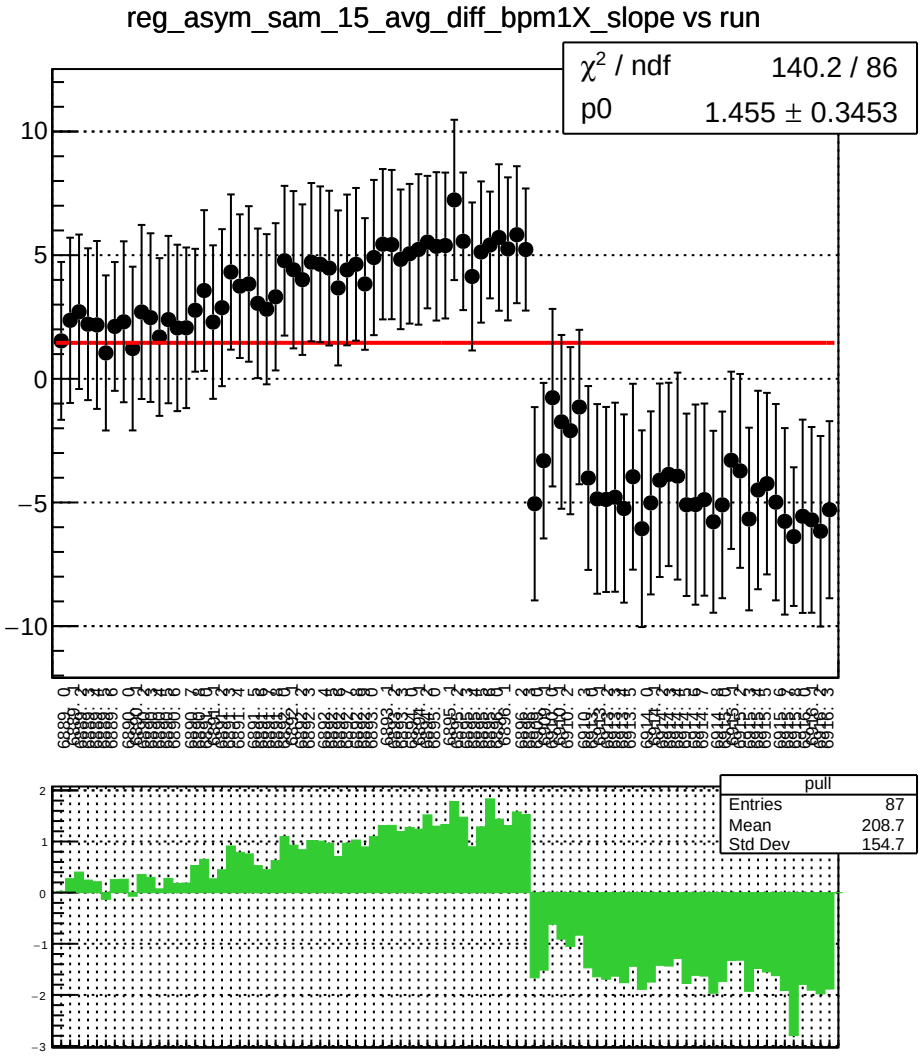

pull1D
Entries 87
Mean 0.04408
Std Dev 0.6551

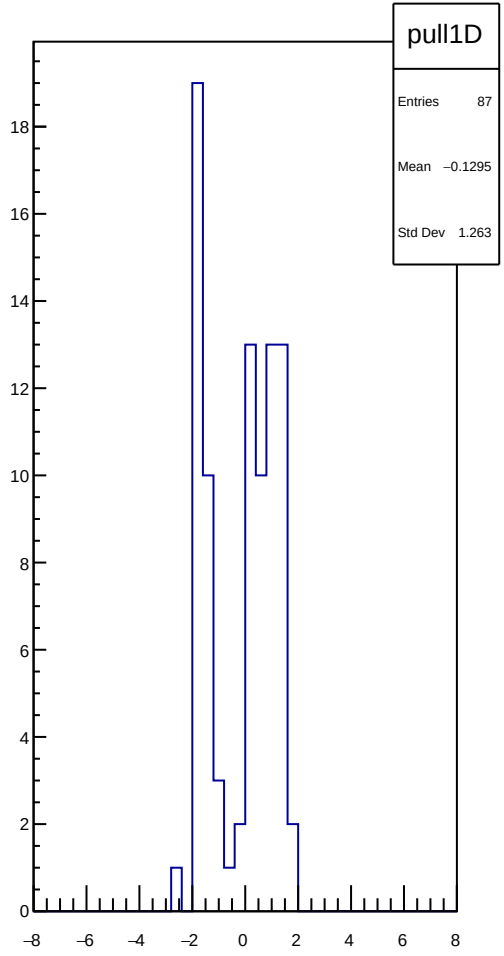

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 30.01 / 86
p0 5.789 ± 0.8679
pull
Entries 87
Mean 396.6
Std Dev 340.7

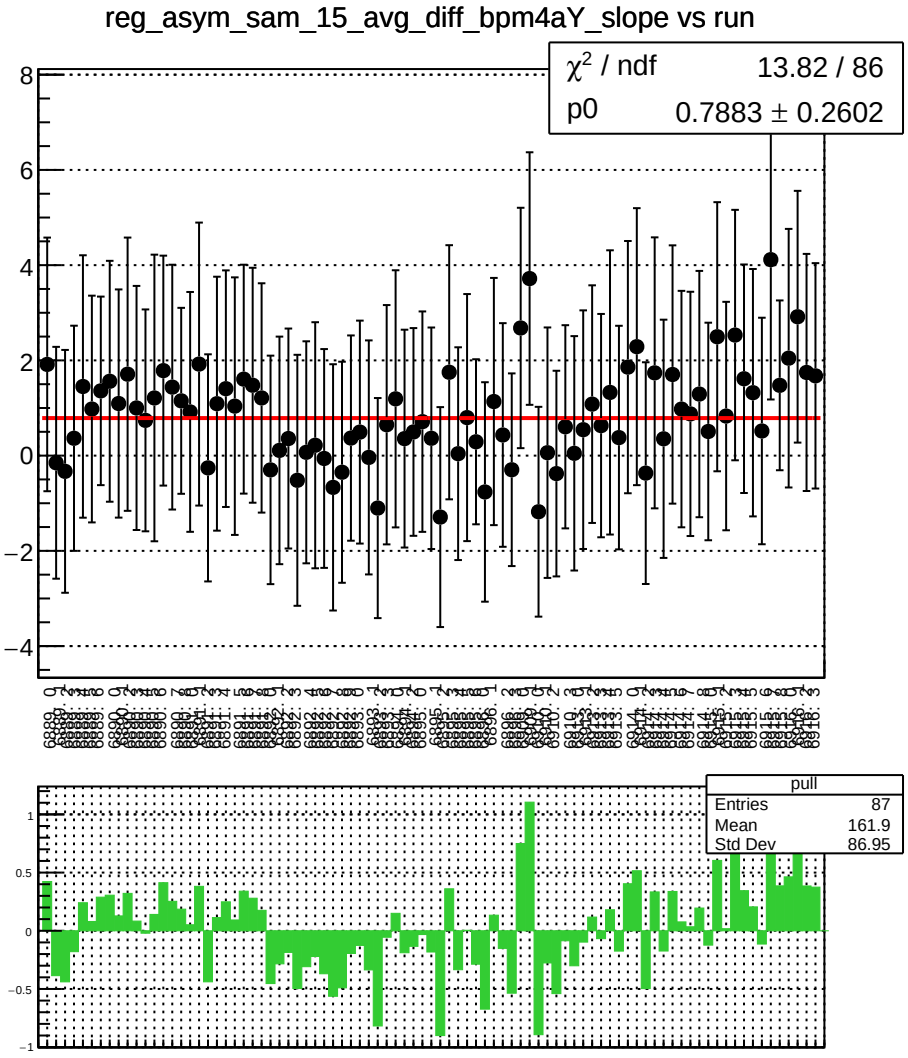

pull1D
Entries 87
Mean 0.004461
Std Dev 0.5873

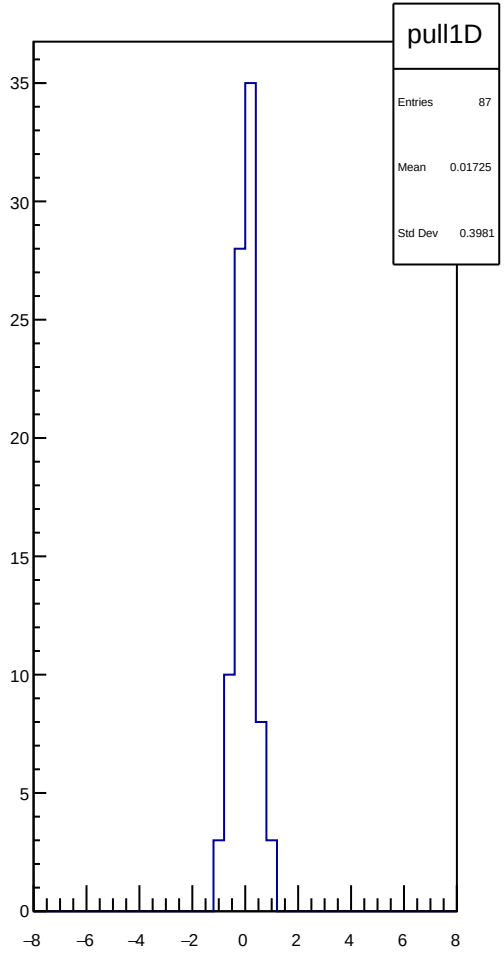

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 76.8 / 86
p0 −18.79 ± 0.03825
pull
Entries 87
Mean 1869
Std Dev 1821


pull1D
Entries 87
Mean −0.008156
Std Dev 0.9395

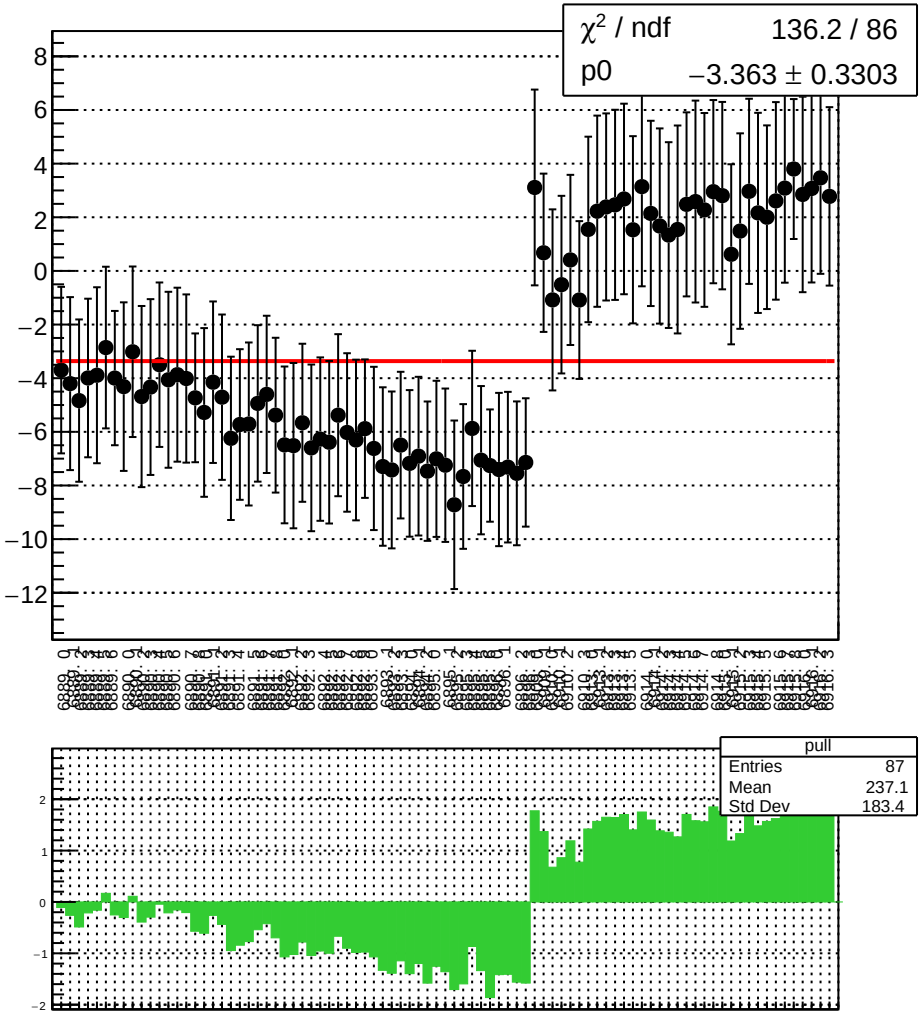

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 140.2 / 86
p0 1.455 ± 0.3453
pull
Entries 87
Mean 208.7
Std Dev 154.7

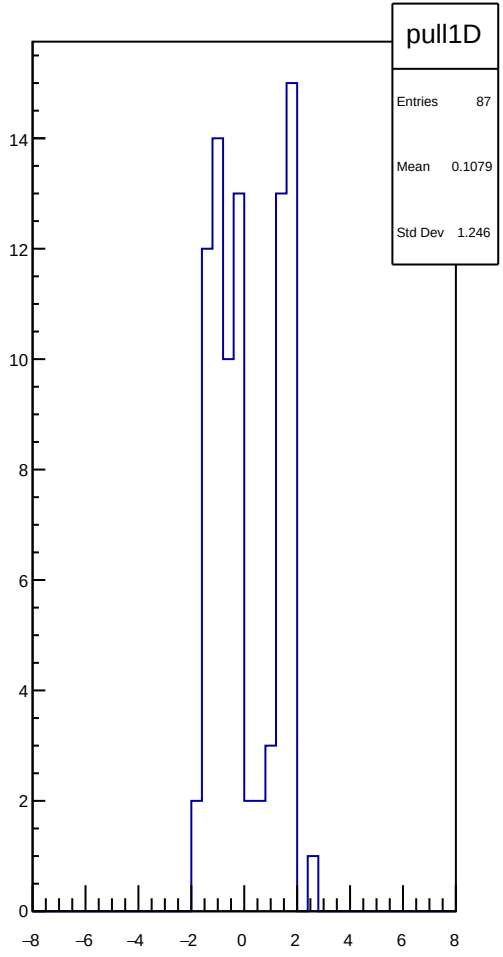

pull1D
Entries 87
Mean −0.1295
Std Dev 1.263

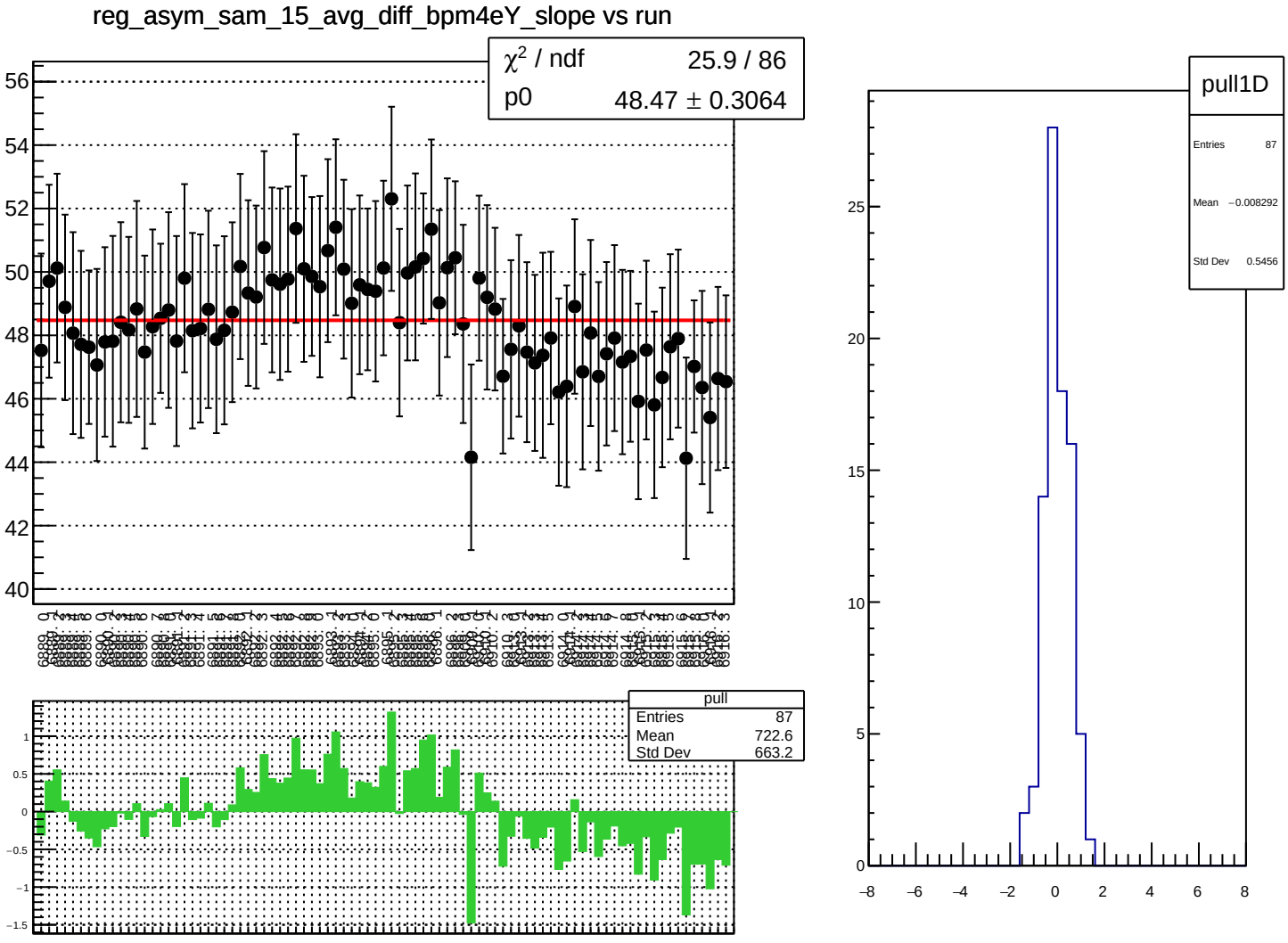

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.82 / 86
p0 0.7883 ± 0.2602
pull
Entries 87
Mean 161.9
Std Dev 86.95

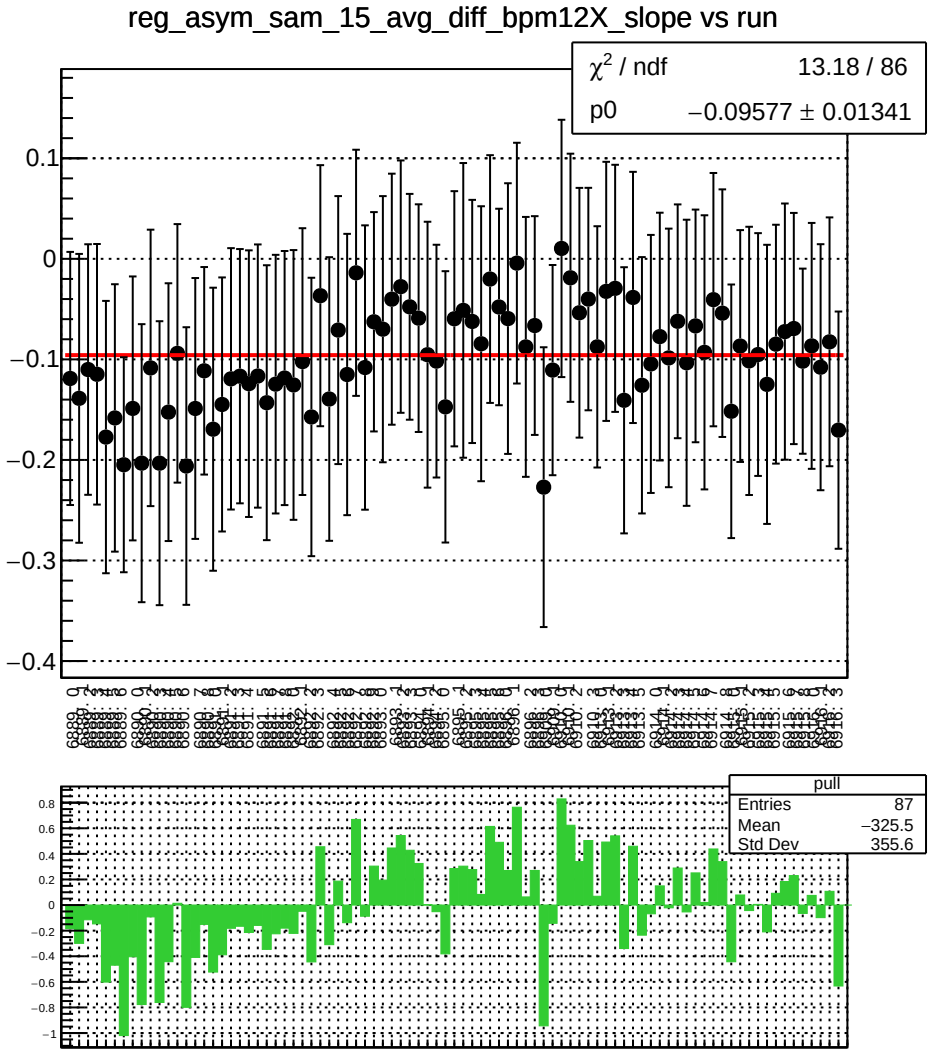

pull1D
Entries 87
Mean 0.01725
Std Dev 0.3981

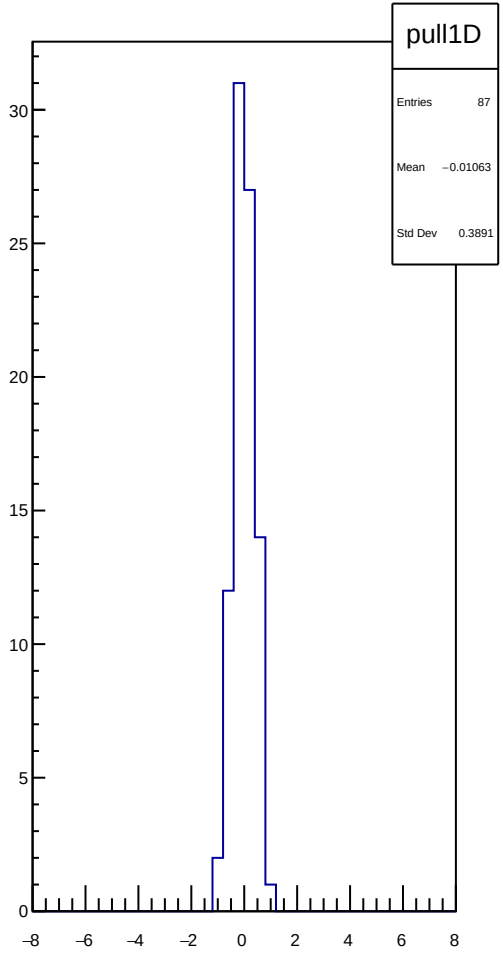
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

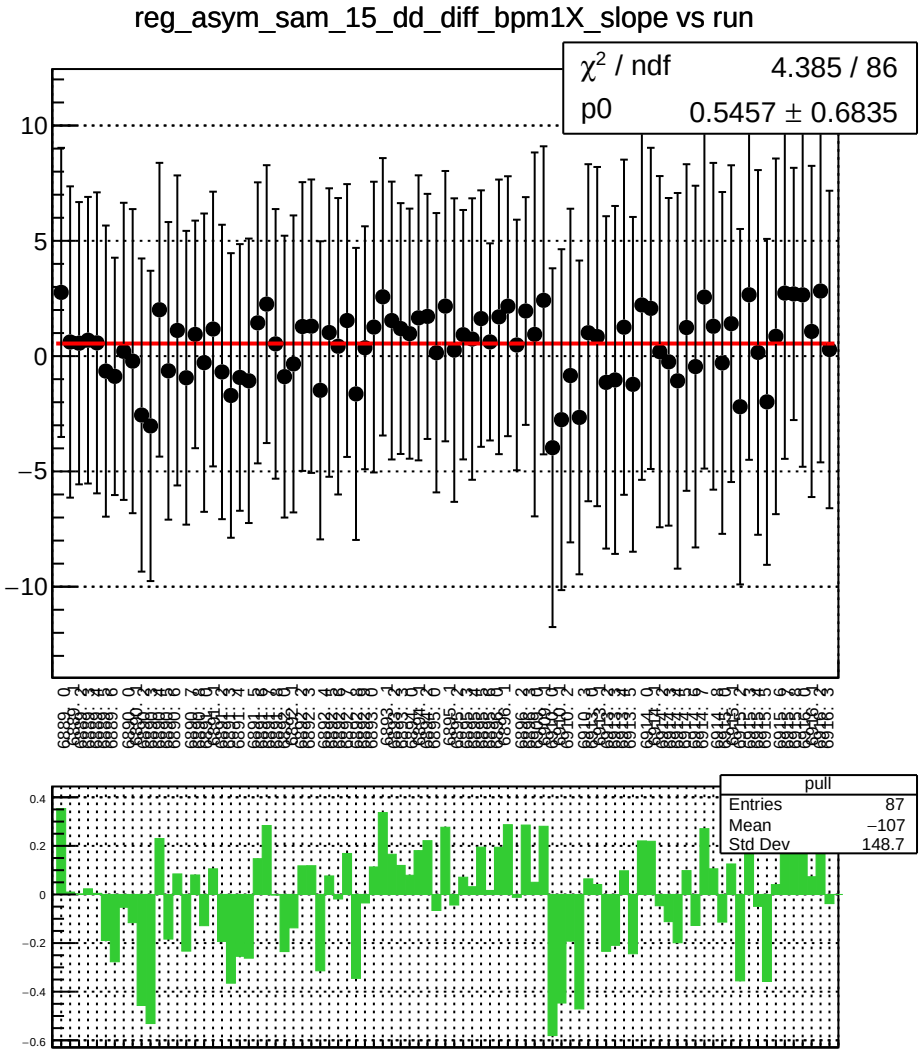


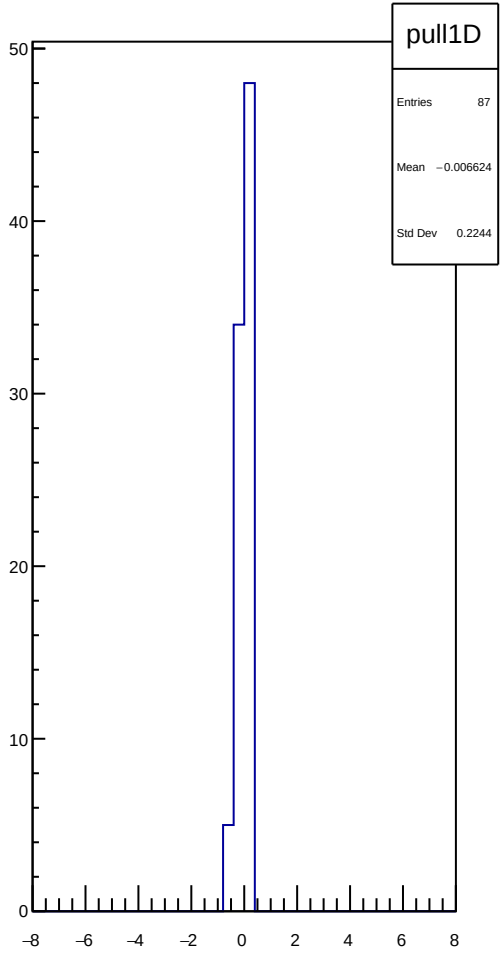


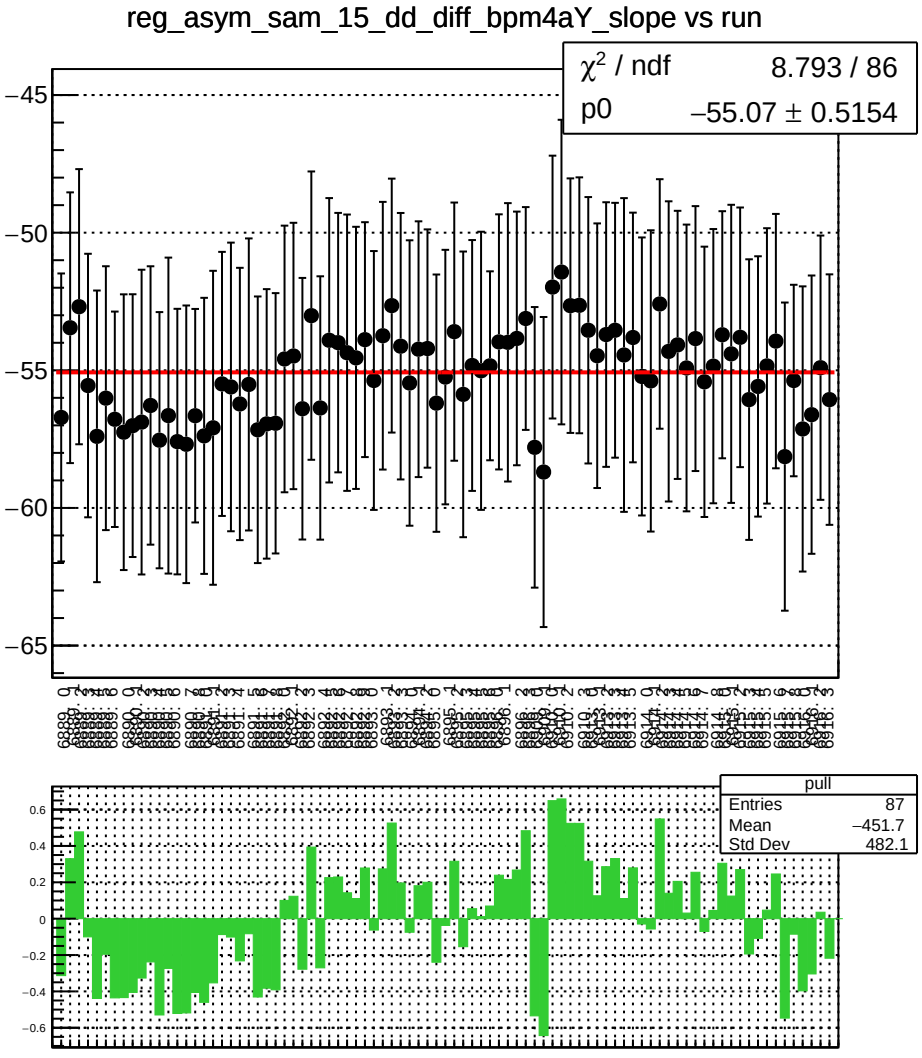

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.9 / 86
p0 48.47 ± 0.3064
pull
Entries 87
Mean 722.6
Std Dev 663.2
pull1D
Entries 87
Mean −0.008292
Std Dev 0.5456

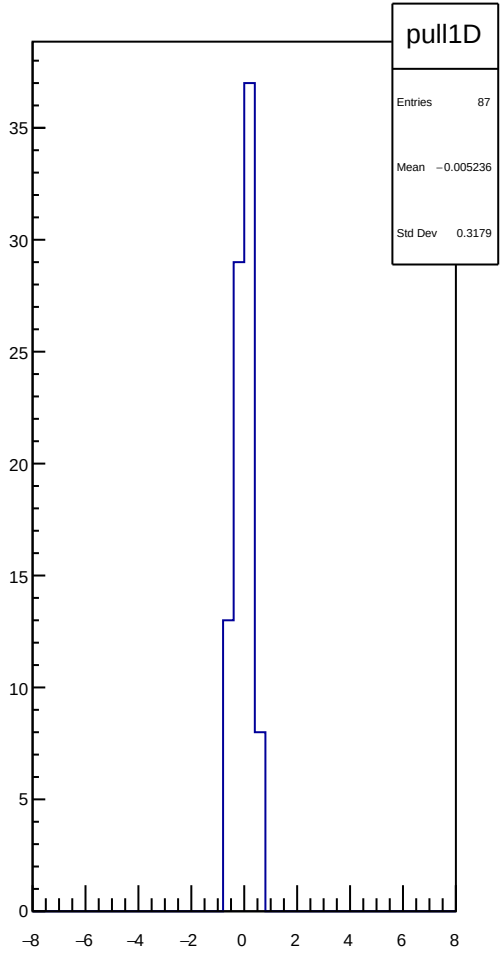

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 13.18 / 86
p0 −0.09577 ± 0.01341
pull
Entries 87
Mean −325.5
Std Dev 355.6

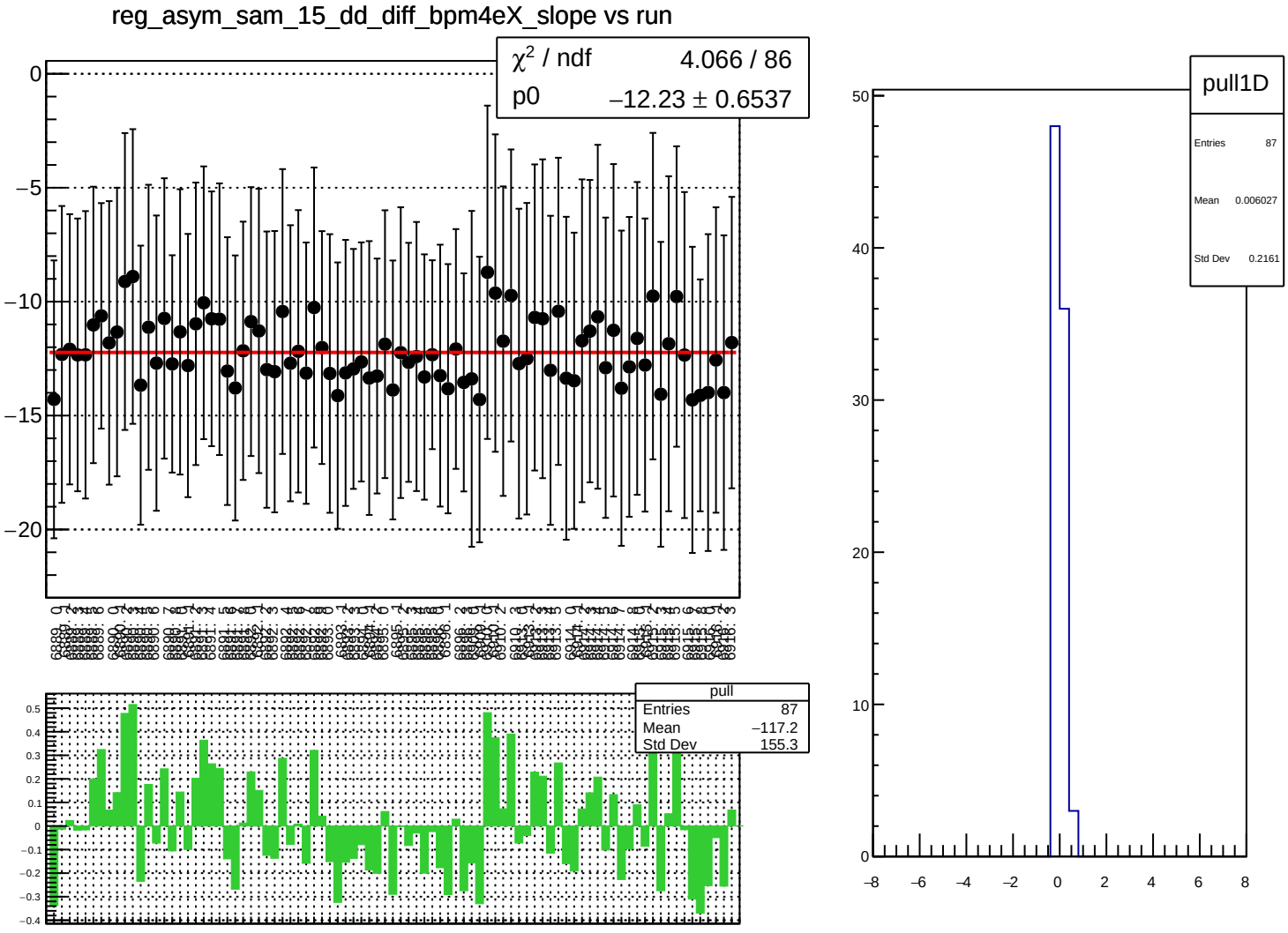

pull1D
Entries 87
Mean −0.01063
Std Dev 0.3891

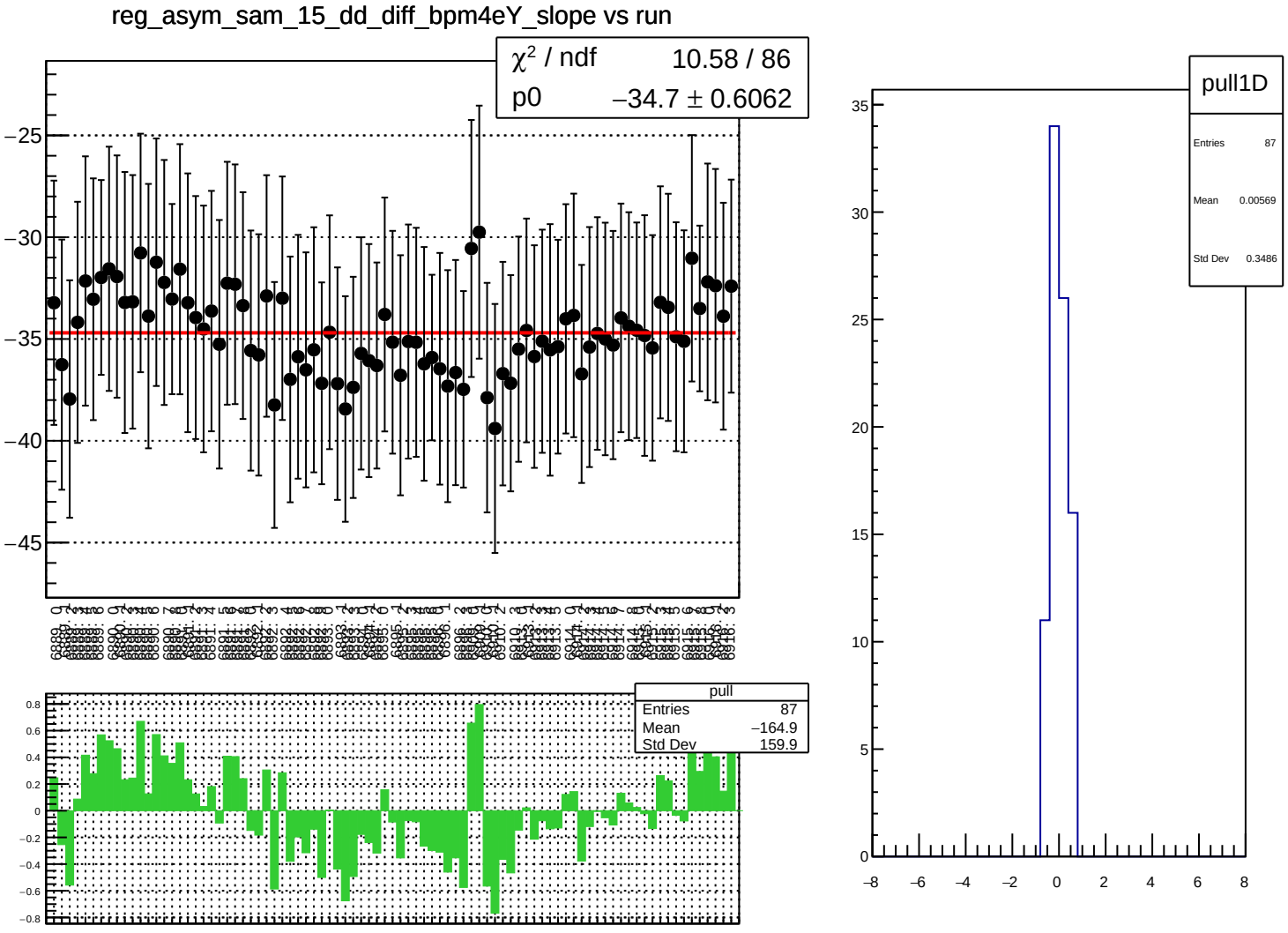

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.385 / 86
p0 0.5457 ± 0.6835
pull
Entries 87
Mean −107
Std Dev 148.7

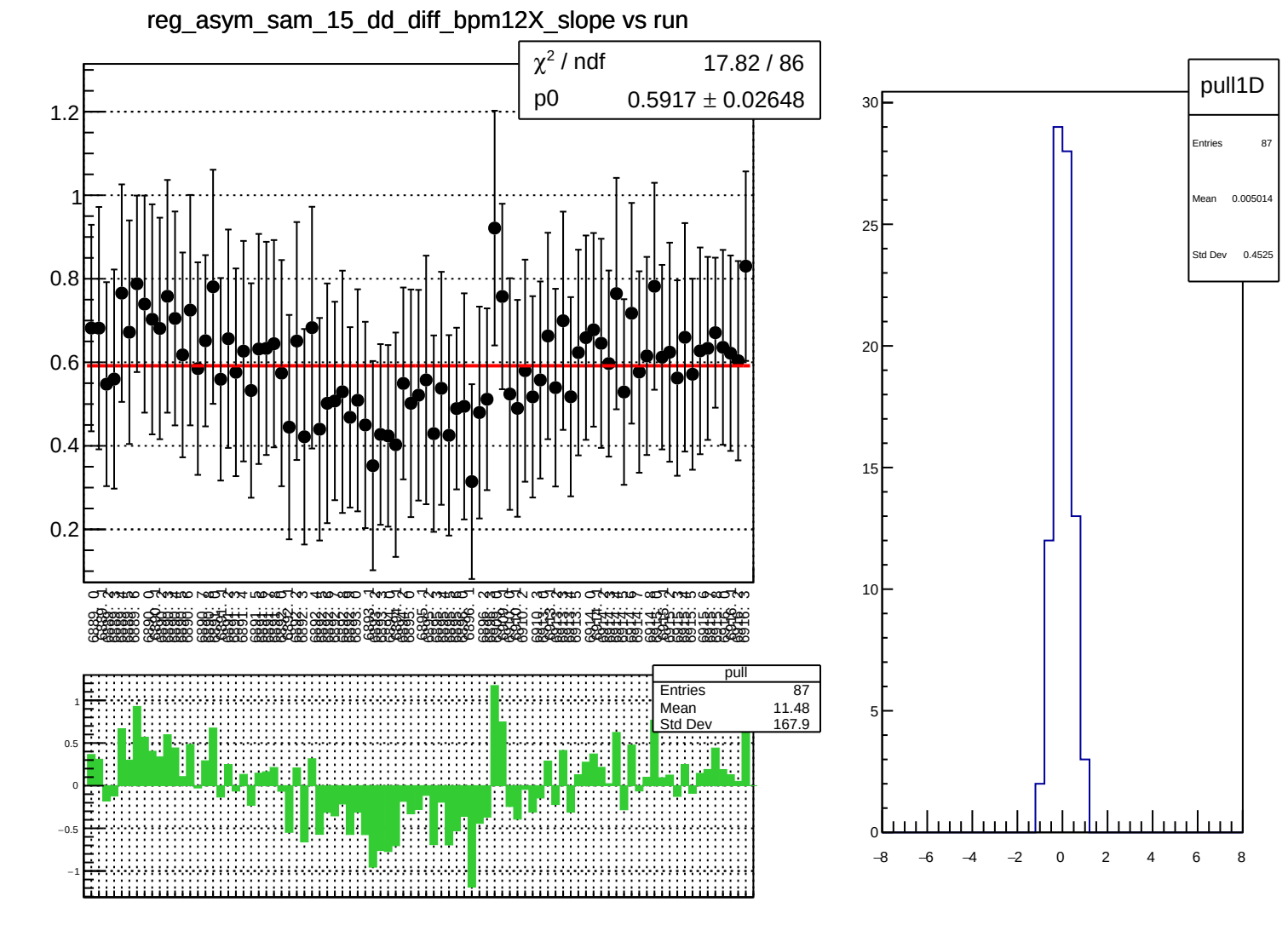

pull1D
Entries 87
Mean −0.006624
Std Dev 0.2244

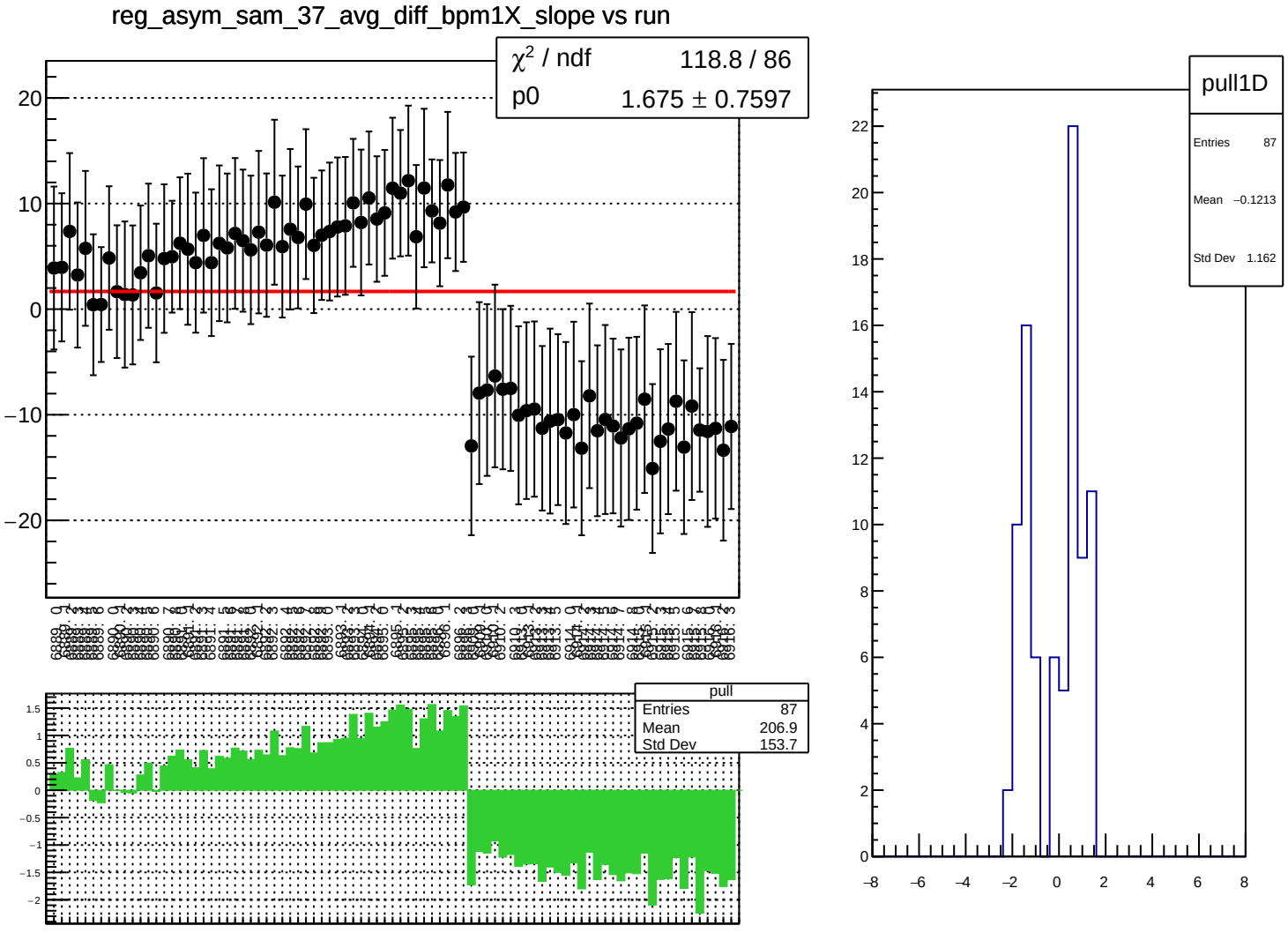

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.793 / 86
p0 −55.07 ± 0.5154
pull
Entries 87
Mean −451.7
Std Dev 482.1

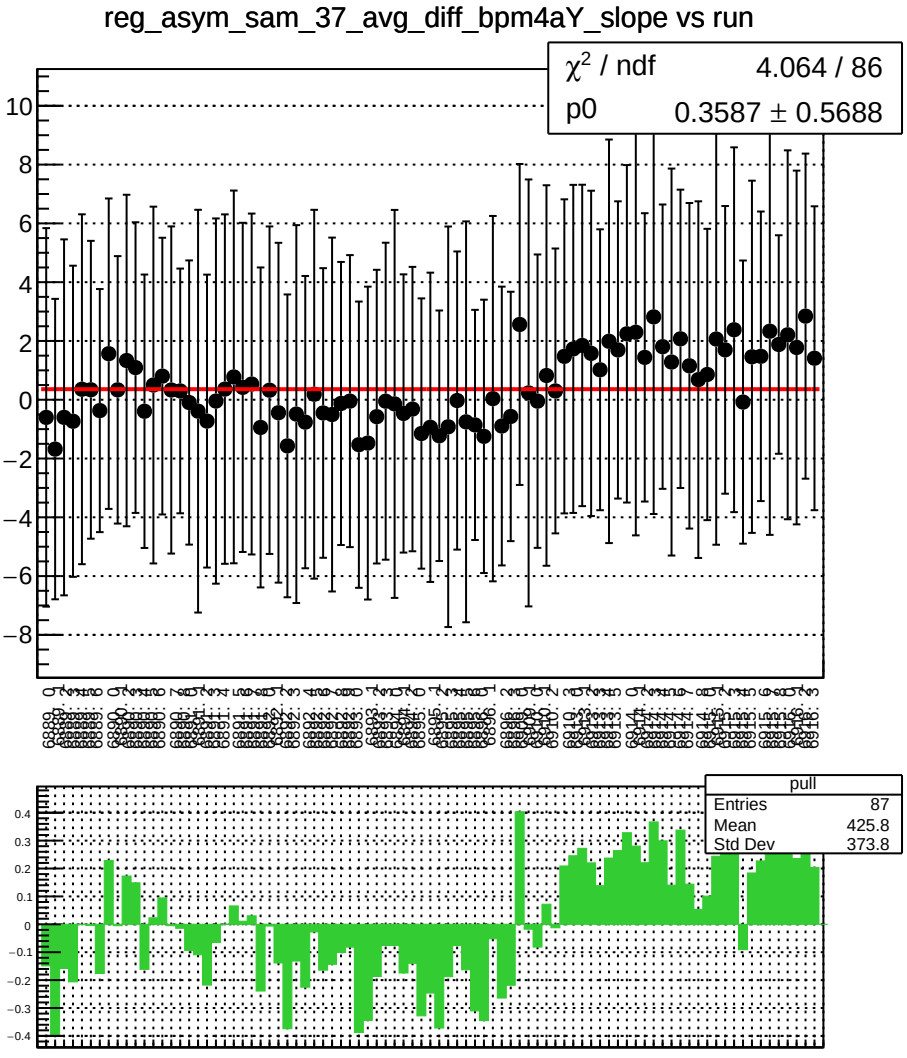

pull1D
Entries 87
Mean −0.005236
Std Dev 0.3179

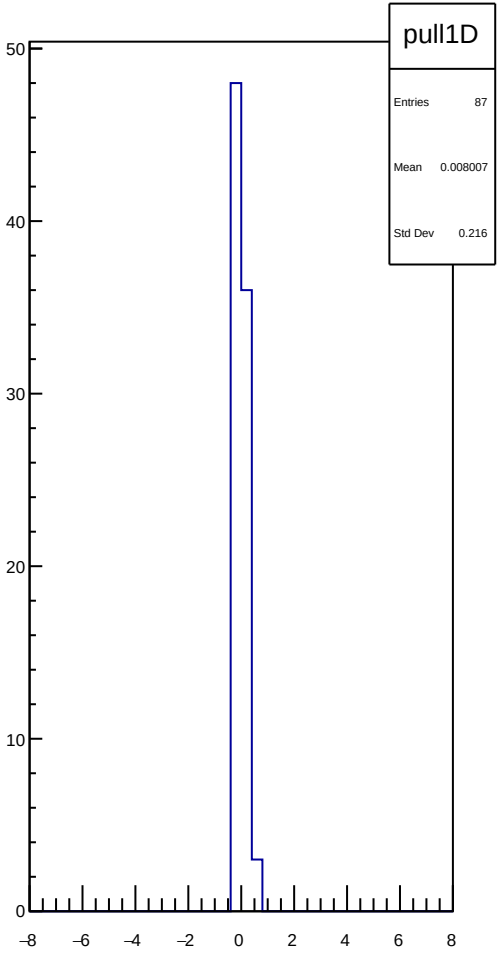

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.066 / 86
p0 −12.23 ± 0.6537
pull
Entries 87
Mean −117.2
Std Dev 155.3
pull1D
Entries 87
Mean 0.006027
Std Dev 0.2161

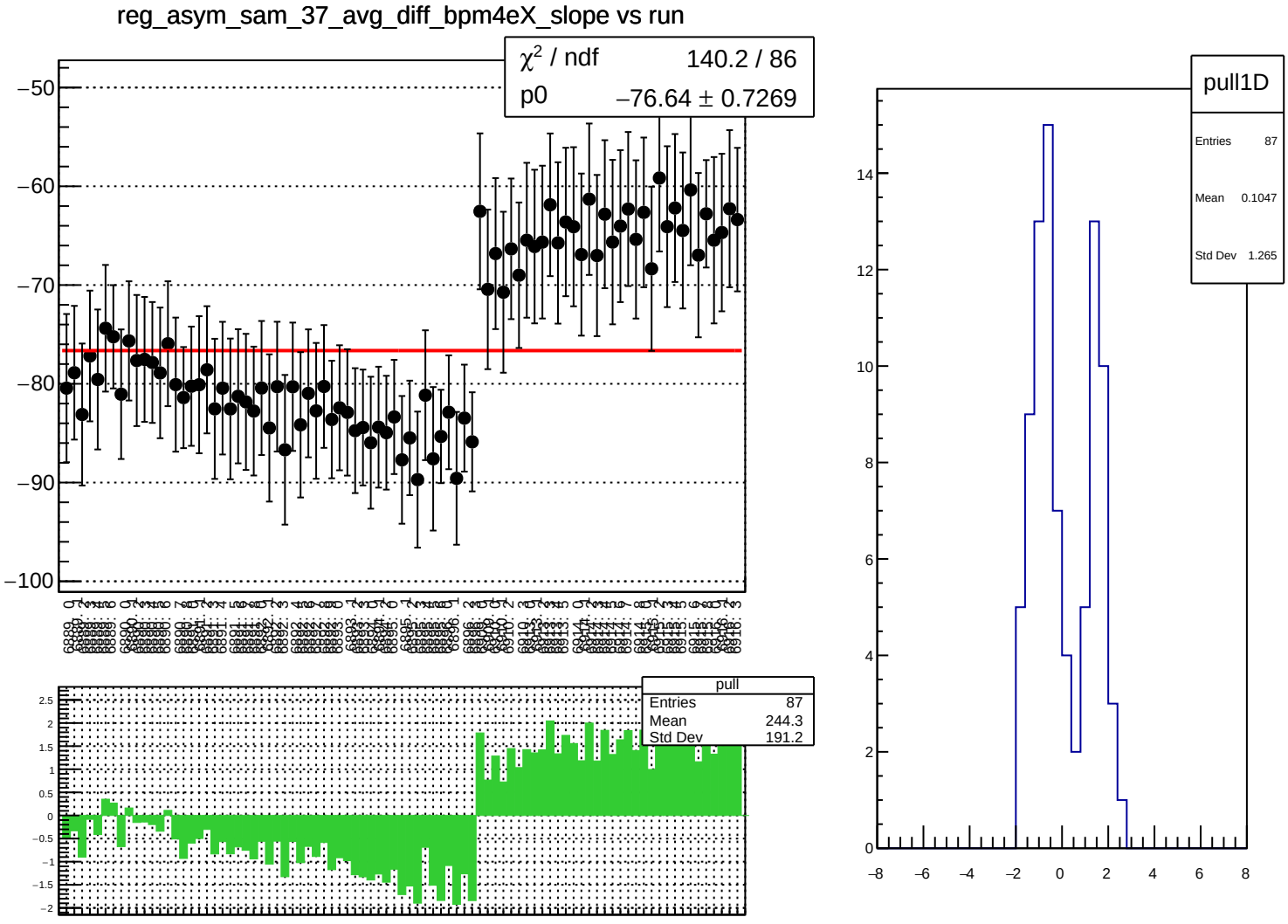

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.58 / 86
p0 −34.7 ± 0.6062
pull
Entries 87
Mean −164.9
Std Dev 159.9
pull1D
Entries 87
Mean 0.00569
Std Dev 0.3486

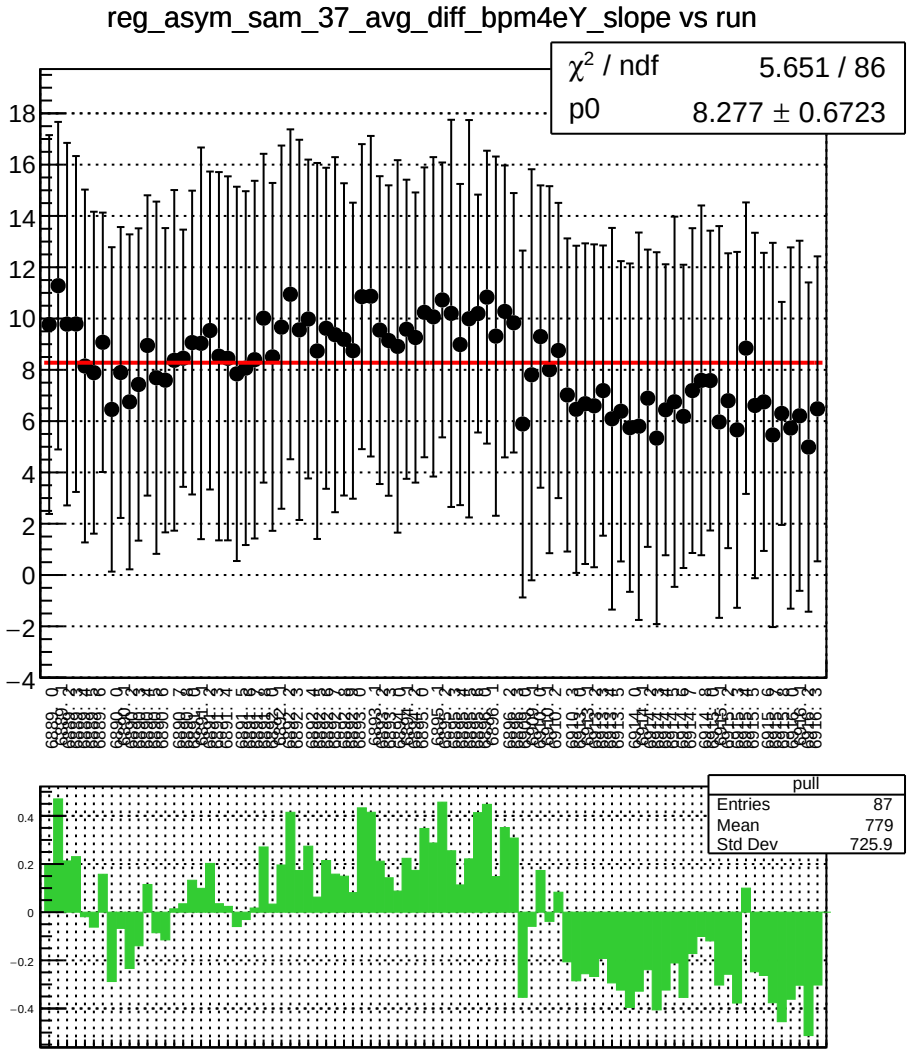

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 17.82 / 86
p0 0.5917 ± 0.02648
pull
Entries 87
Mean 11.48
Std Dev 167.9
pull1D
Entries 87
Mean 0.005014
Std Dev 0.4525

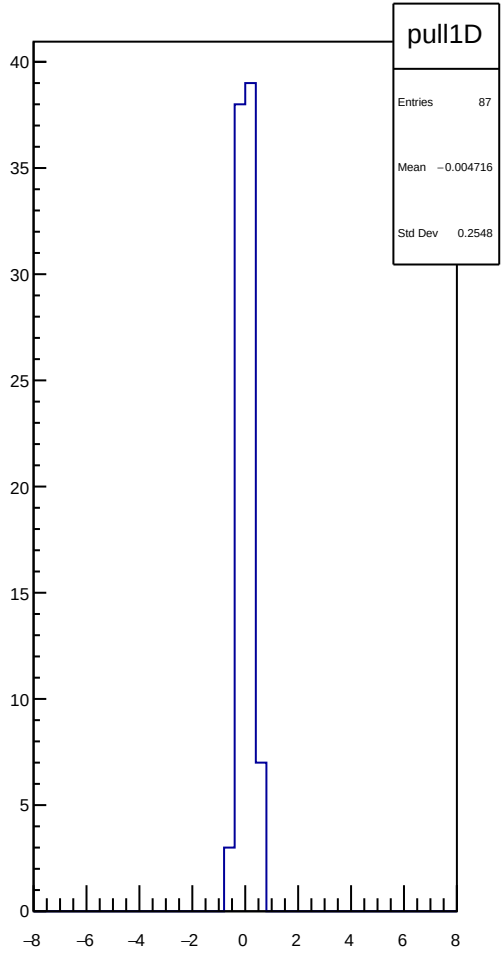

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 118.8 / 86
p0 1.675 ± 0.7597
pull
Entries 87
Mean 206.9
Std Dev 153.7
pull1D
Entries 87
Mean −0.1213
Std Dev 1.162

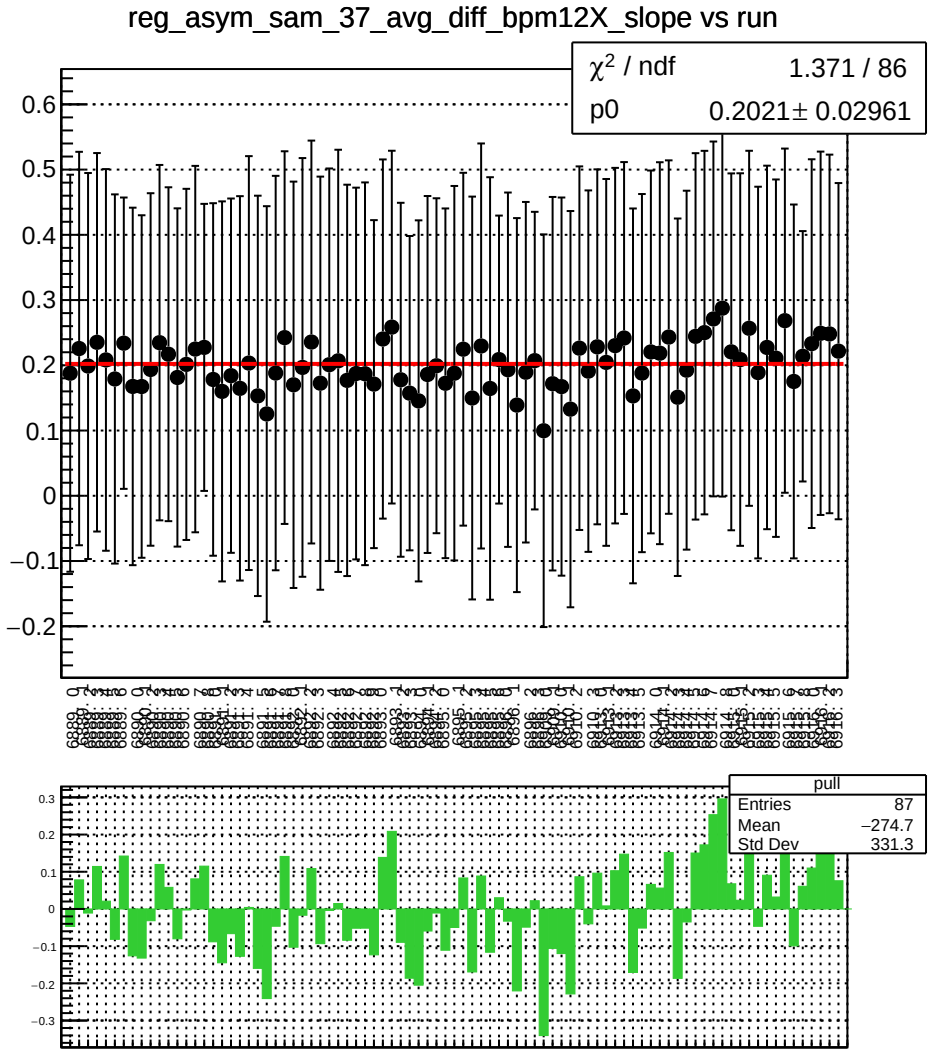

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.064 / 86
p0 0.3587 ± 0.5688
pull
Entries 87
Mean 425.8
Std Dev 373.8

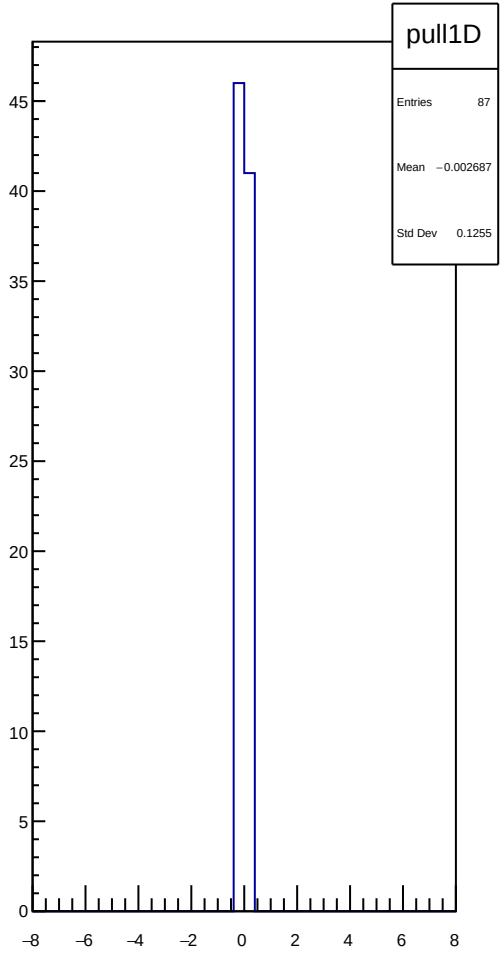

pull1D
Entries 87
Mean 0.008007
Std Dev 0.216

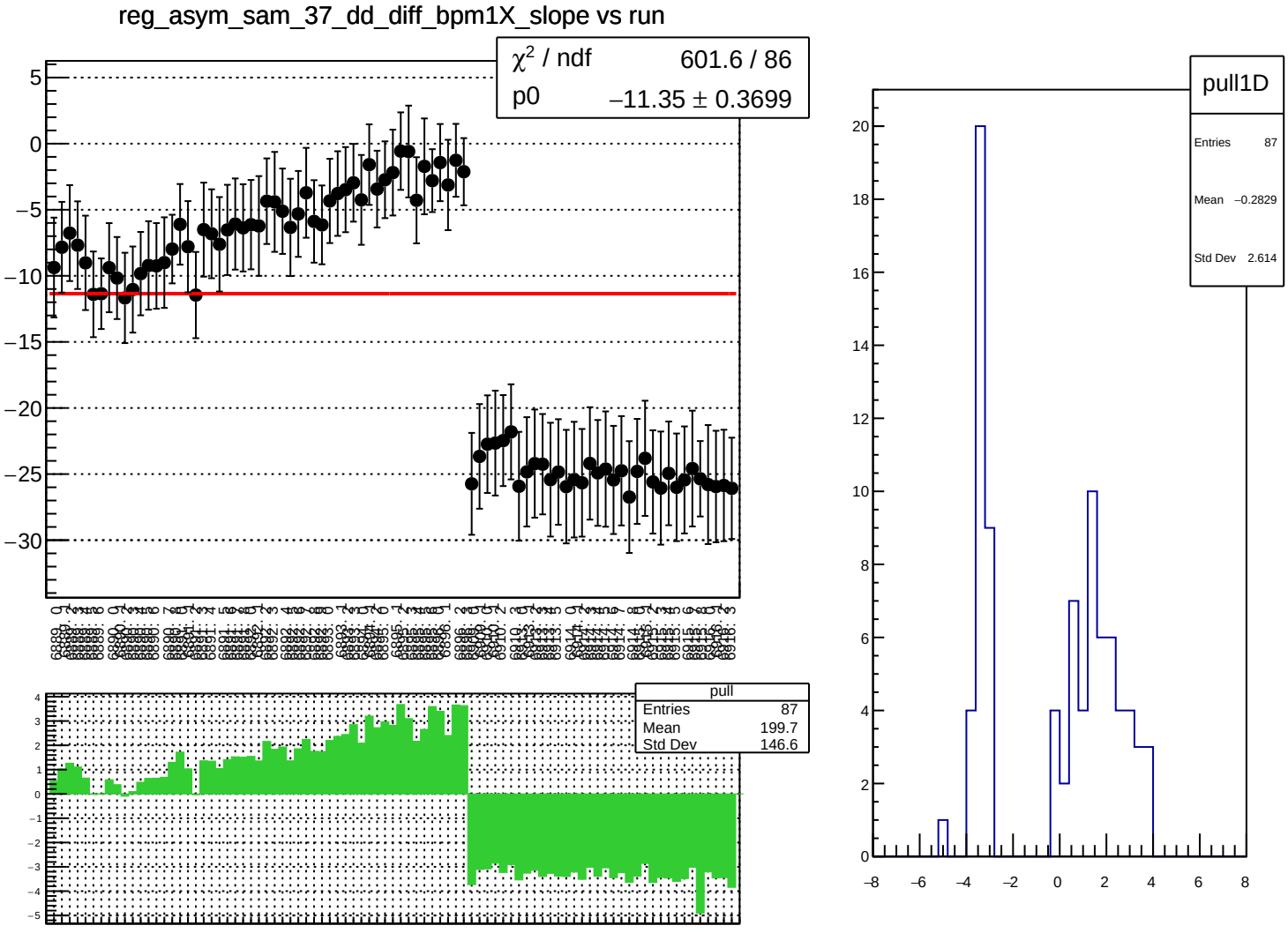

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 140.2 / 86
p0 −76.64 ± 0.7269
pull
Entries 87
Mean 244.3
Std Dev 191.2
pull1D
Entries 87
Mean 0.1047
Std Dev 1.265

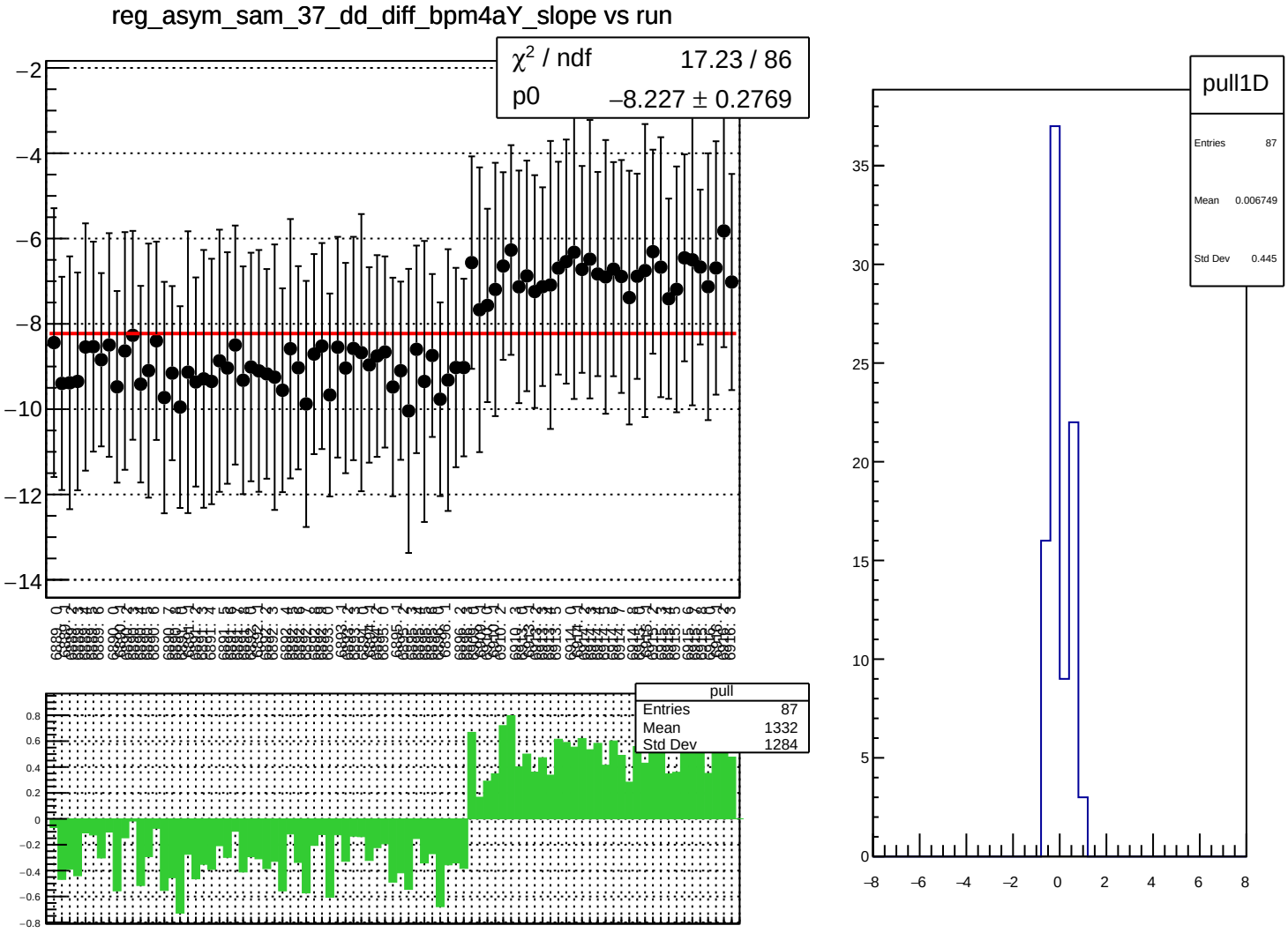

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.651 / 86
p0 8.277 ± 0.6723
pull
Entries 87
Mean 779
Std Dev 725.9

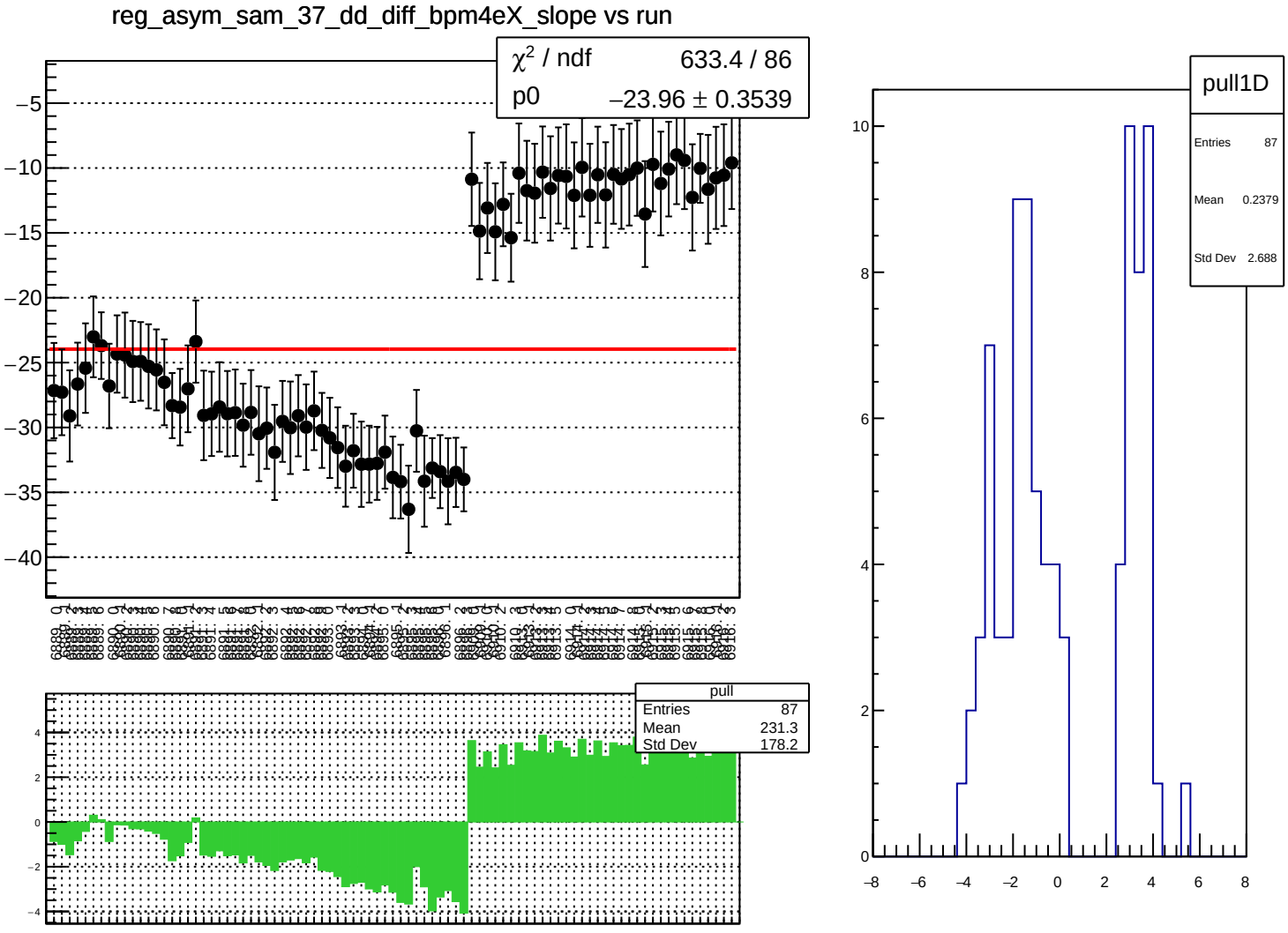

pull1D
Entries 87
Mean −0.004716
Std Dev 0.2548

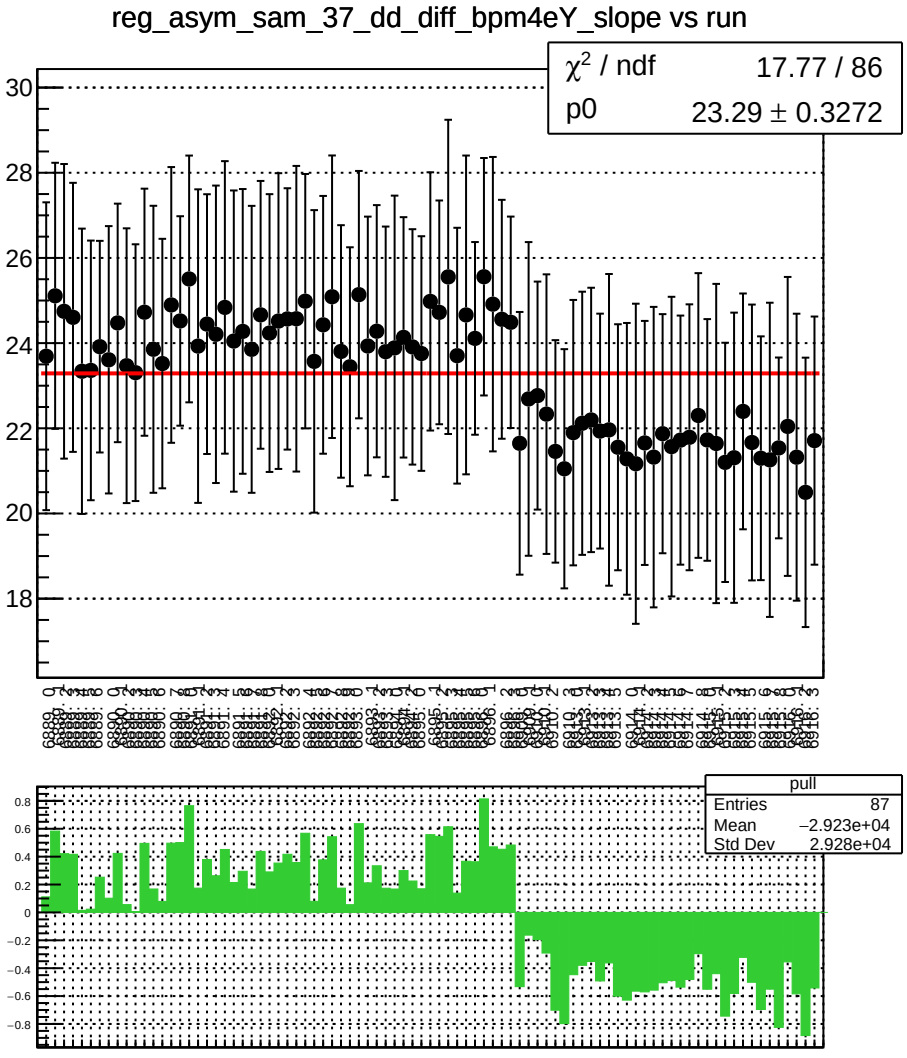

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.371 / 86
p0 0.2021± 0.02961
pull
Entries 87
Mean −274.7
Std Dev 331.3

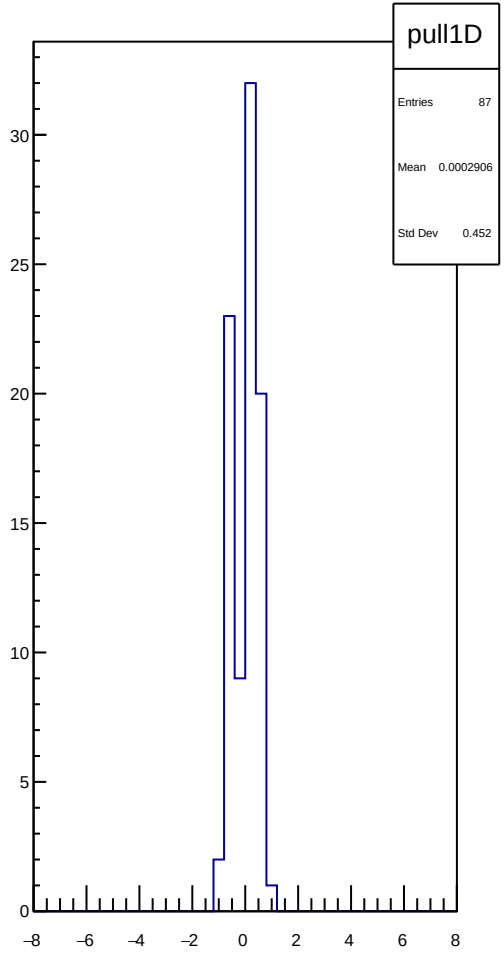

pull1D
Entries 87
Mean −0.002687
Std Dev 0.1255

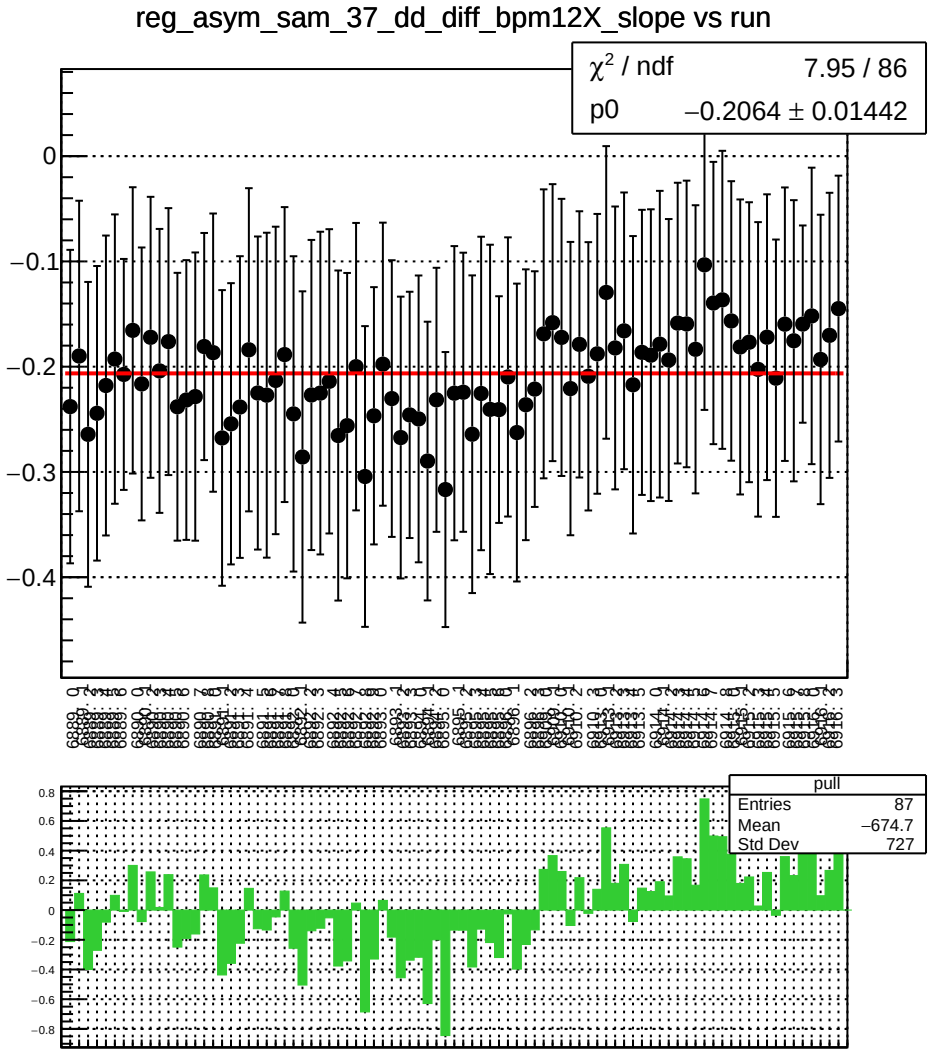

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 601.6 / 86
p0 −11.35 ± 0.3699
pull
Entries 87
Mean 199.7
Std Dev 146.6
pull1D
Entries 87
Mean −0.2829
Std Dev 2.614

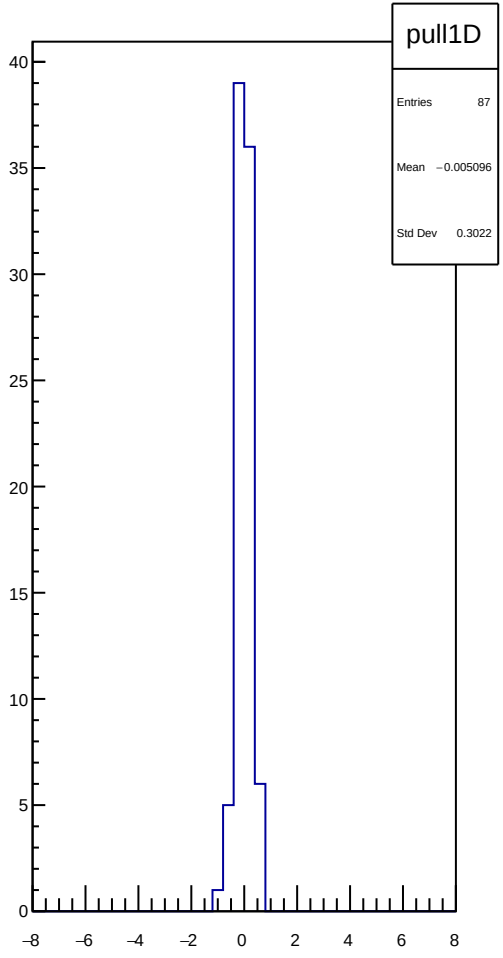

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.23 / 86
p0 −8.227 ± 0.2769
pull
Entries 87
Mean 1332
Std Dev 1284
pull1D
Entries 87
Mean 0.006749
Std Dev 0.445

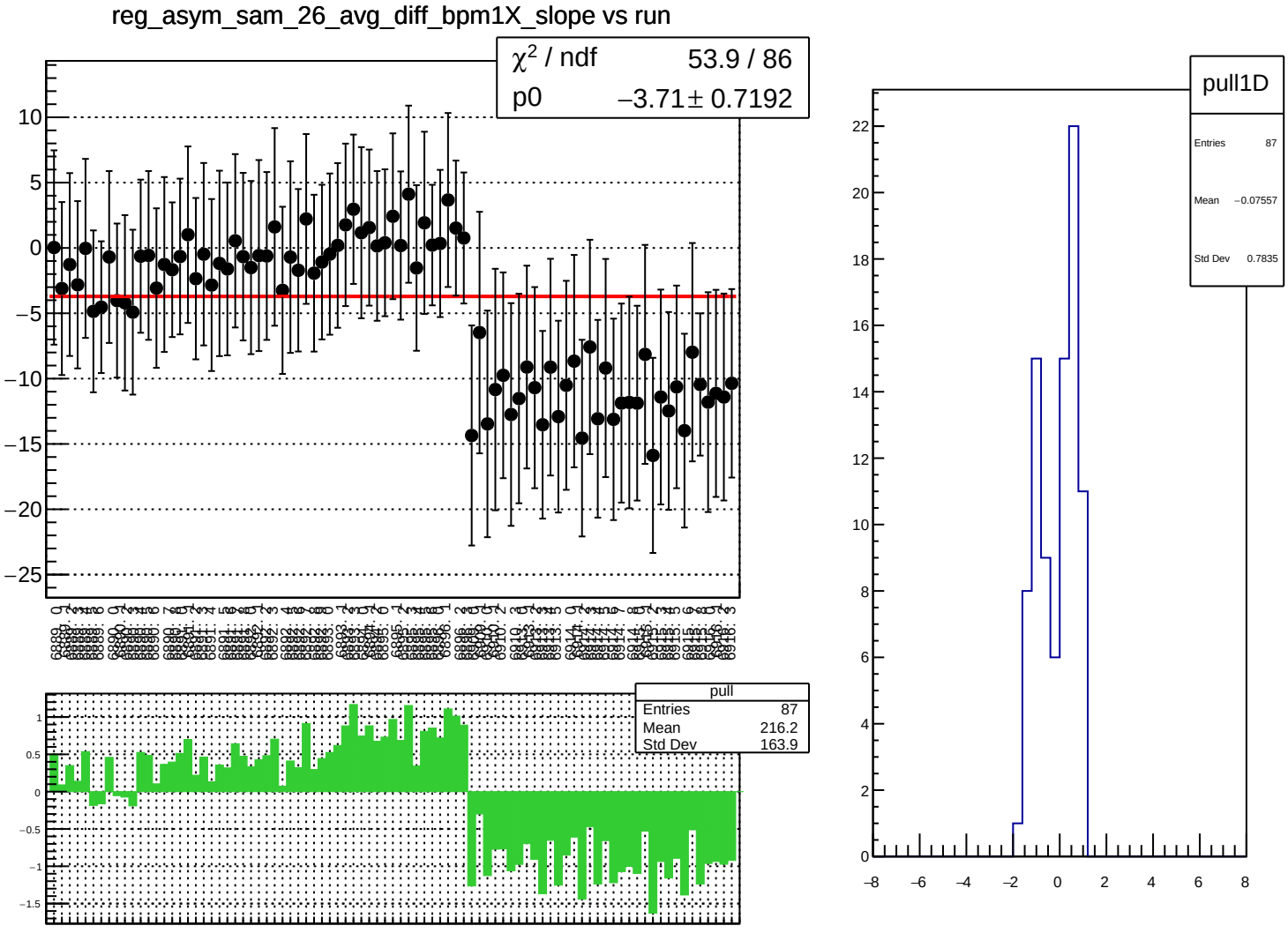

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 633.4 / 86
p0 −23.96 ± 0.3539
pull
Entries 87
Mean 231.3
Std Dev 178.2
pull1D
Entries 87
Mean 0.2379
Std Dev 2.688

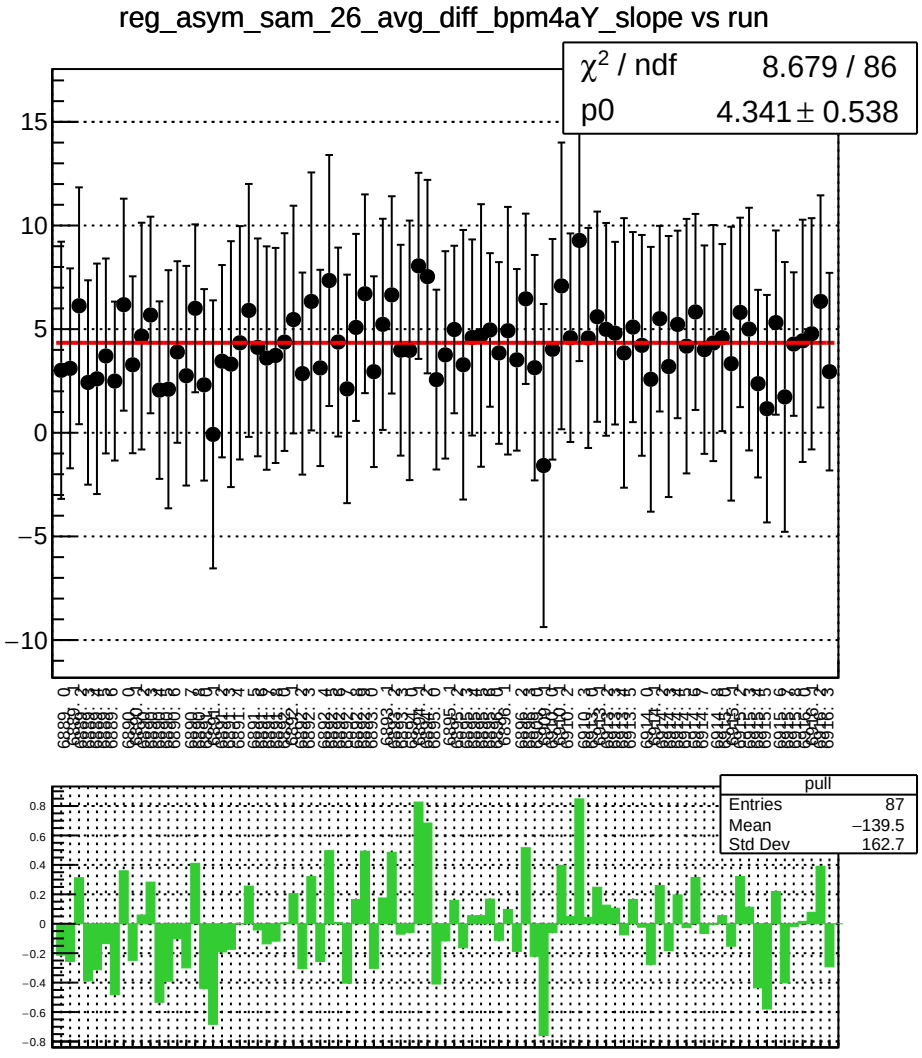

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.77 / 86
p0 23.29 ± 0.3272
pull
Entries 87
Mean −2.923e+04
Std Dev 2.928e+04

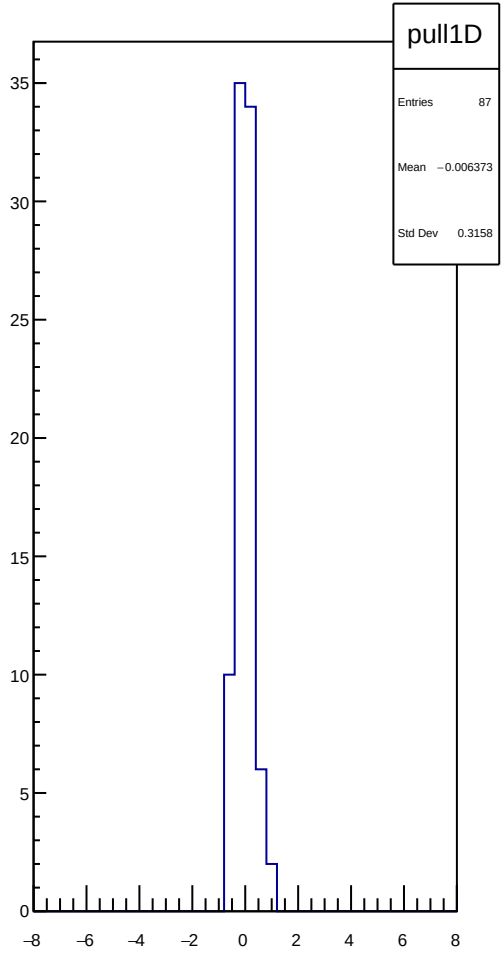

pull1D
Entries 87
Mean 0.0002906
Std Dev 0.452

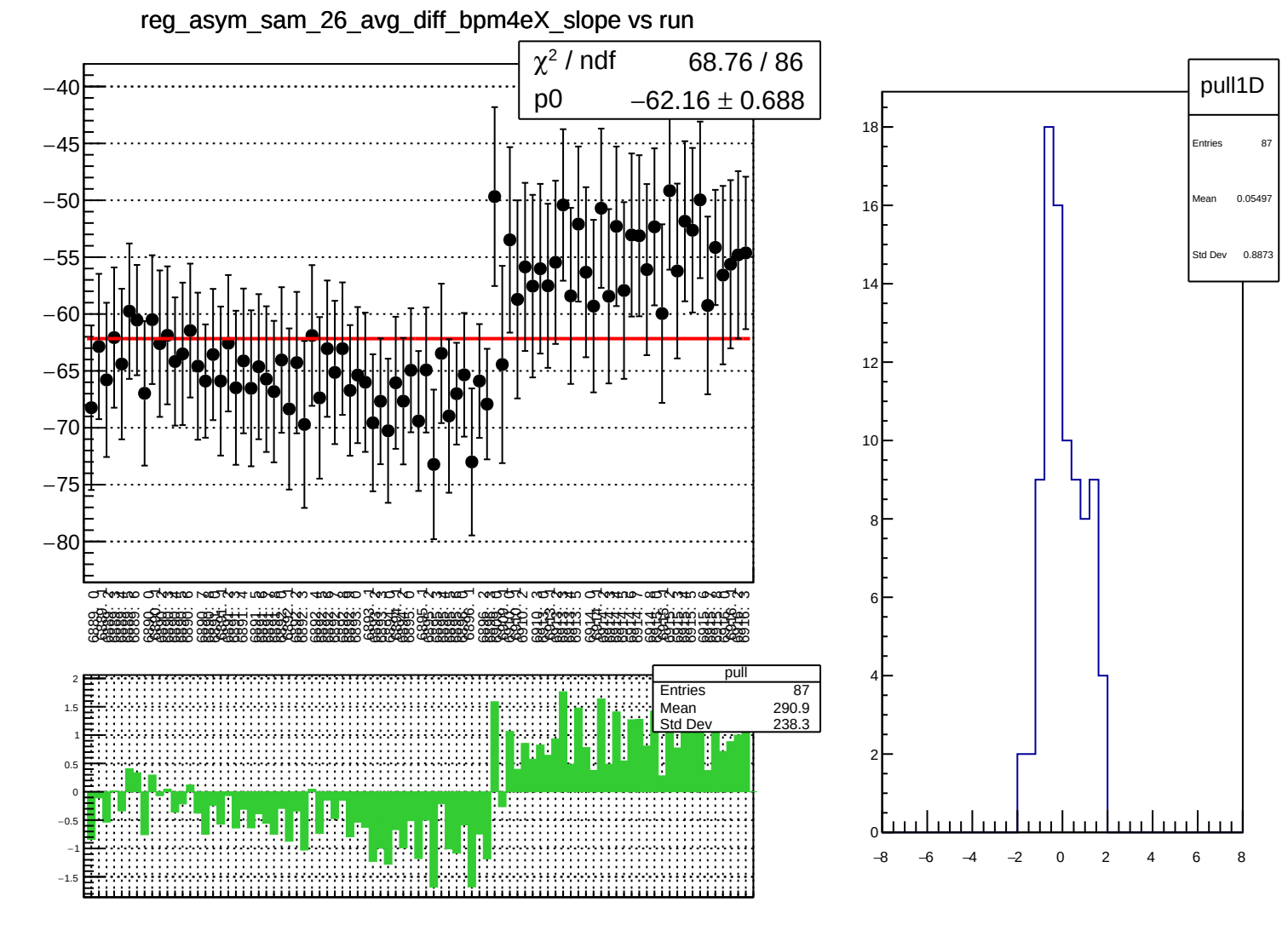

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.95 / 86
p0 −0.2064 ± 0.01442
pull
Entries 87
Mean −674.7
Std Dev 727

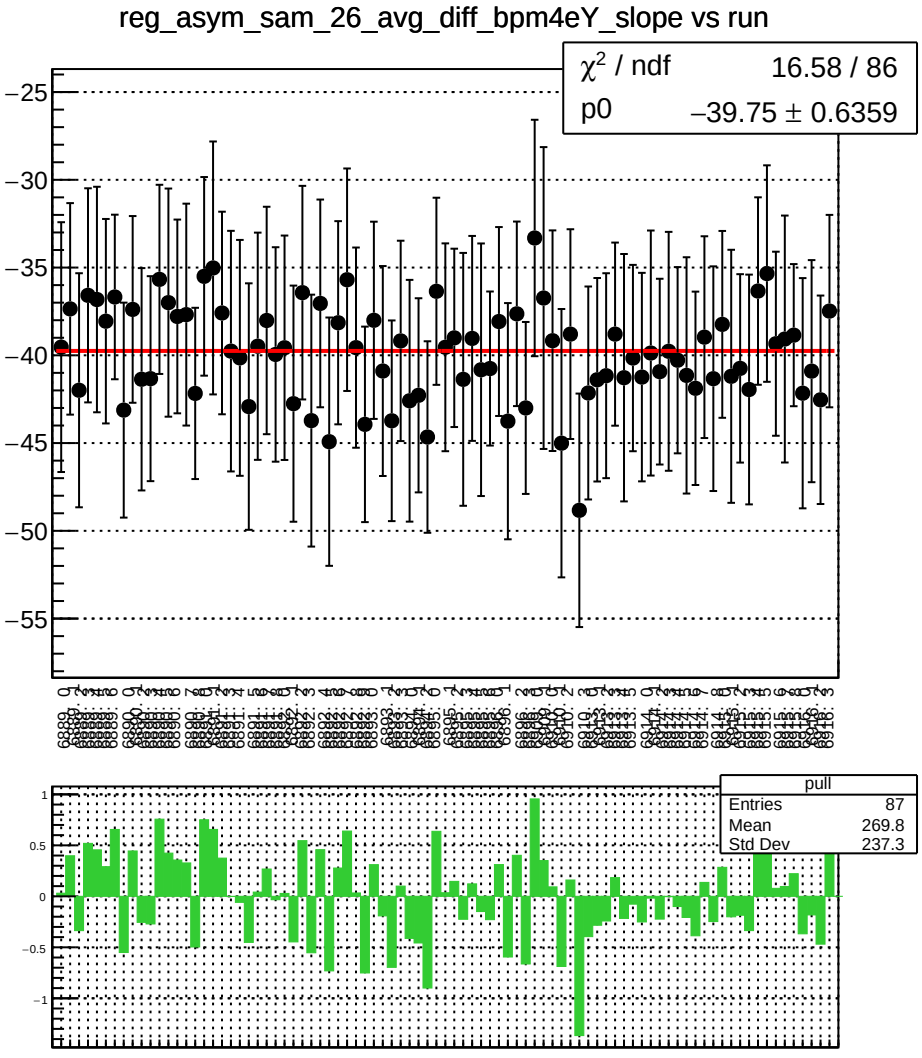

pull1D
Entries 87
Mean −0.005096
Std Dev 0.3022

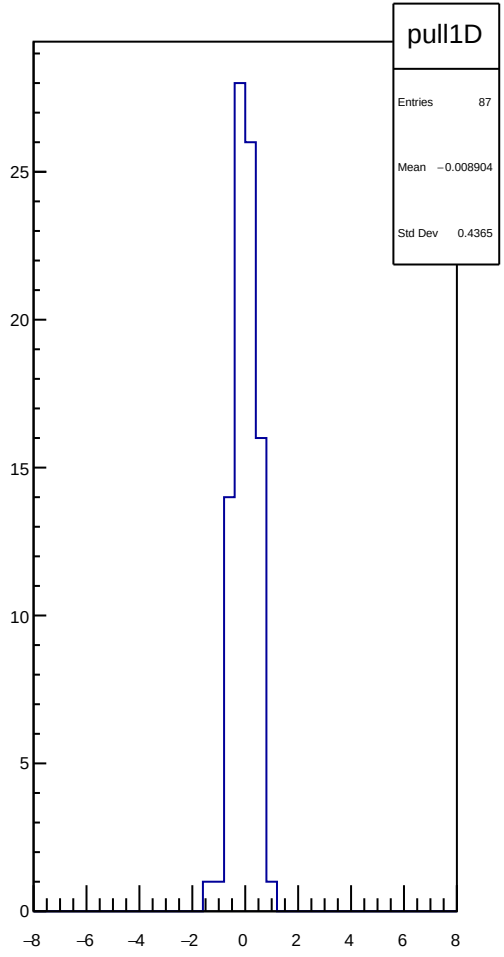

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 53.9 / 86
p0 −3.71 ± 0.7192
pull
Entries 87
Mean 216.2
Std Dev 163.9
pull1D
Entries 87
Mean −0.07557
Std Dev 0.7835

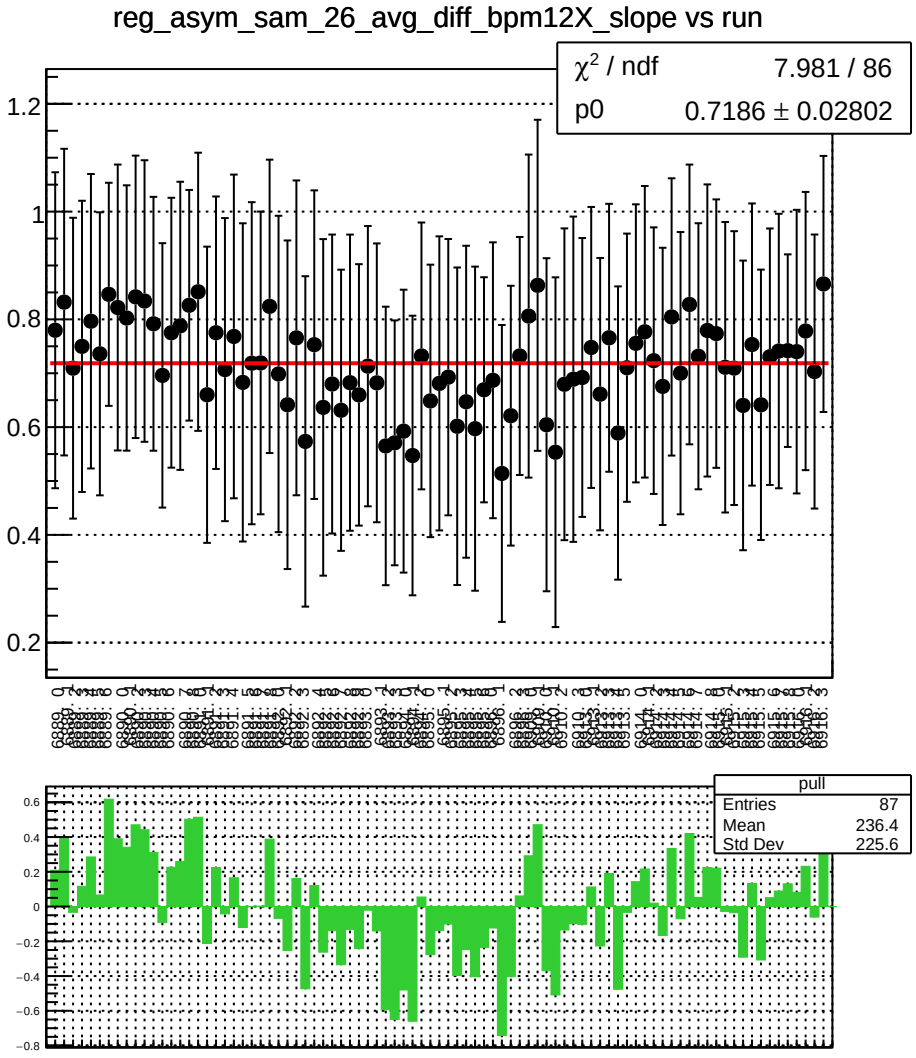

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.679 / 86
p0 4.341 ± 0.538
pull
Entries 87
Mean −139.5
Std Dev 162.7

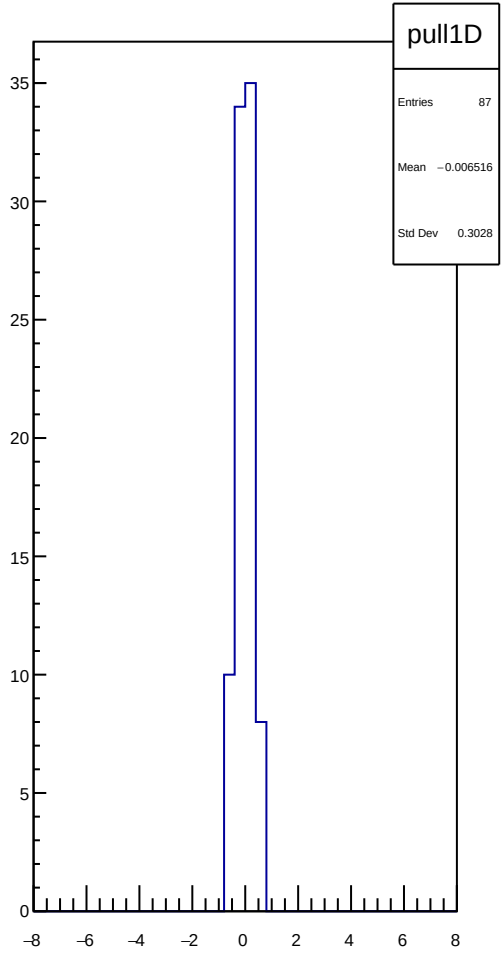

pull1D
Entries 87
Mean −0.006373
Std Dev 0.3158

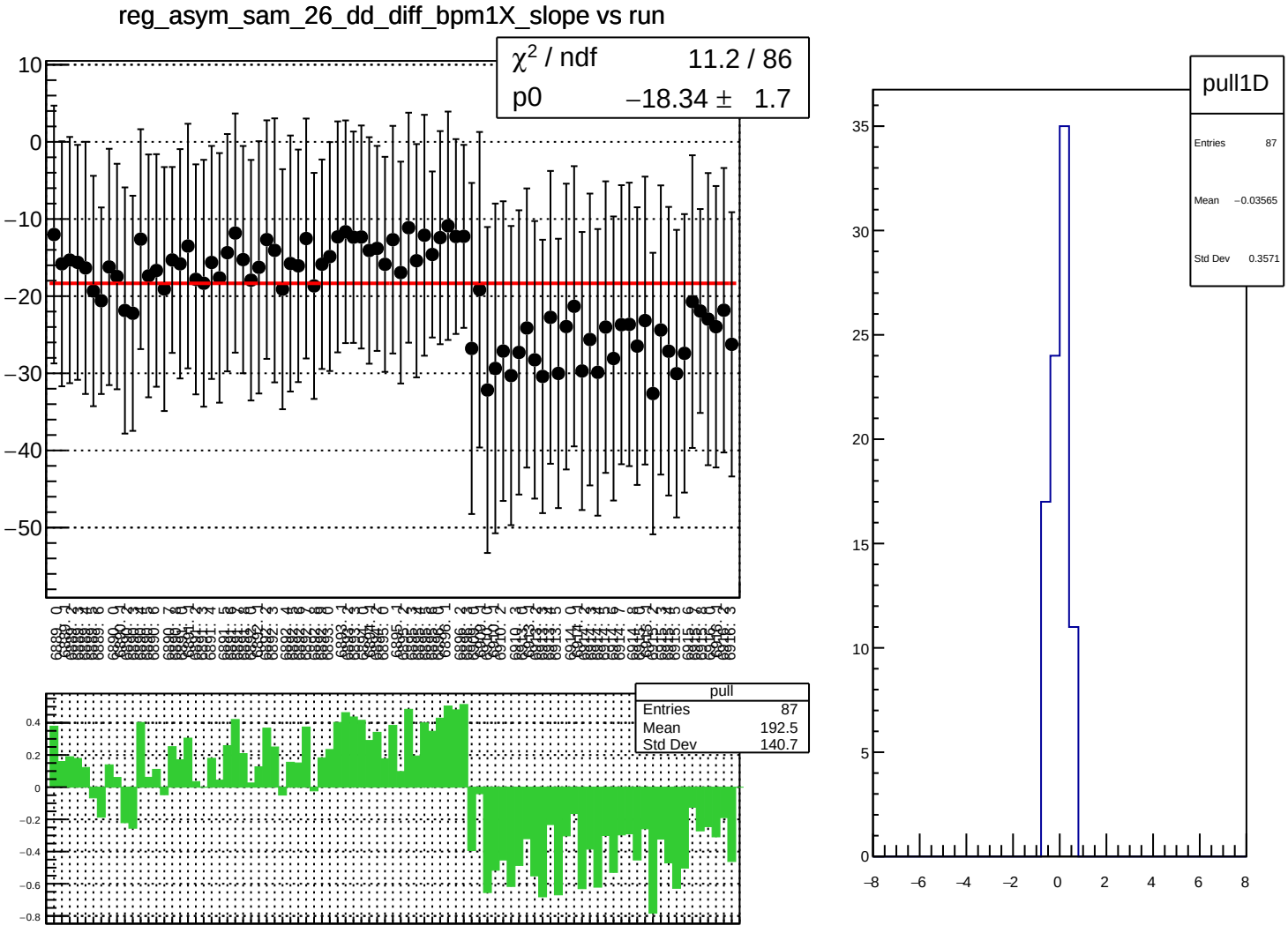

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 68.76 / 86
p0 −62.16 ± 0.688
pull
Entries 87
Mean 290.9
Std Dev 238.3
pull1D
Entries 87
Mean 0.05497
Std Dev 0.8873

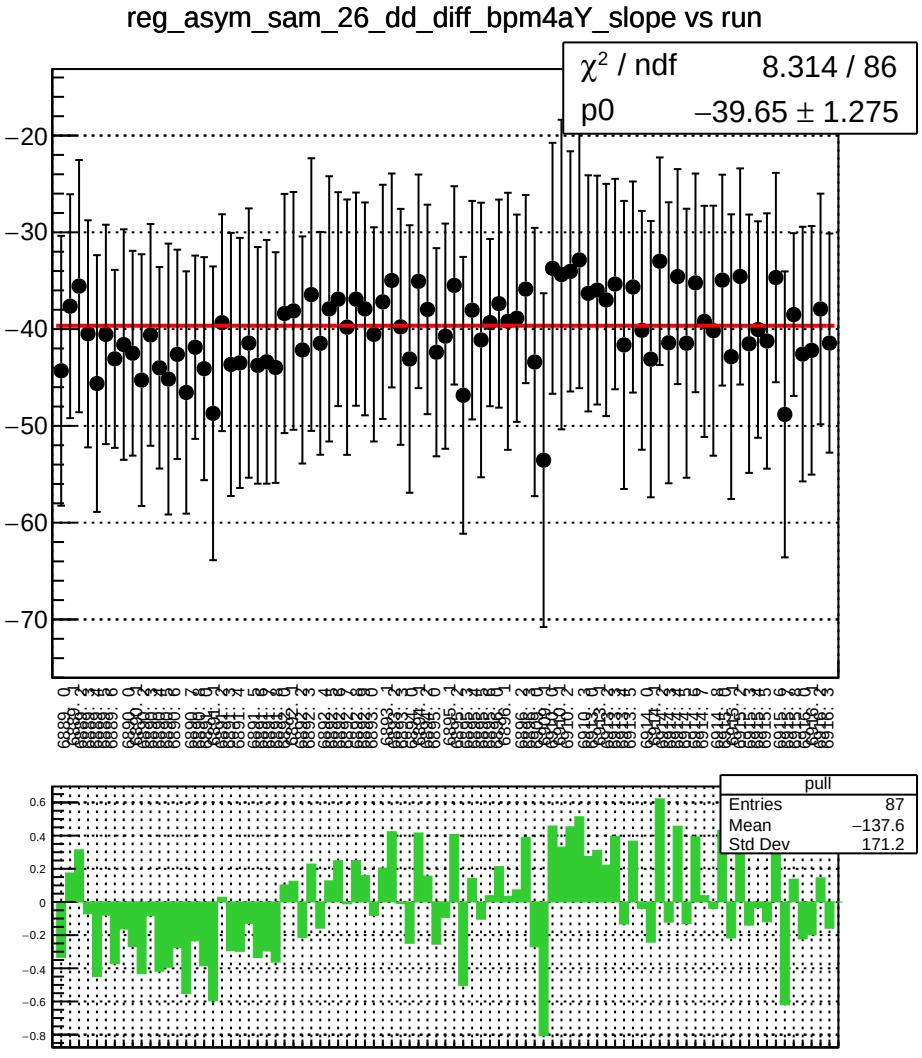

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.58 / 86
p0 −39.75 ± 0.6359
pull
Entries 87
Mean 269.8
Std Dev 237.3

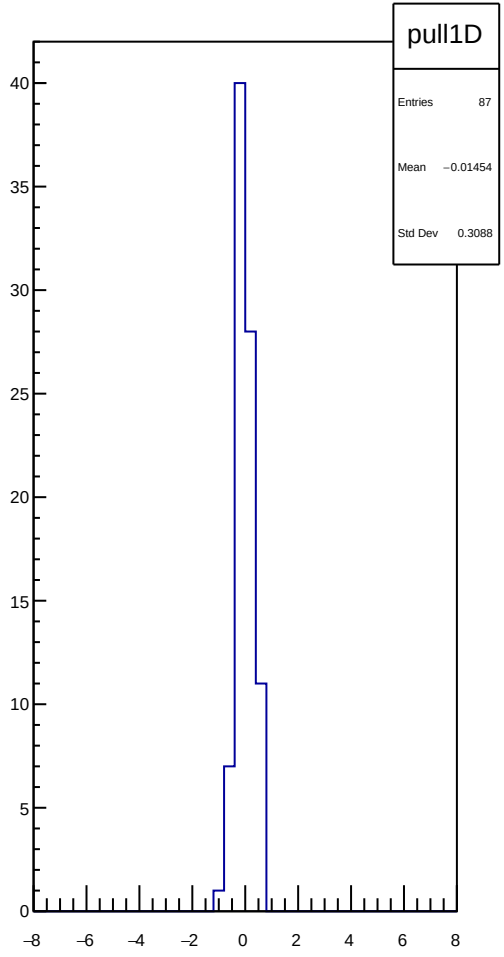

pull1D
Entries 87
Mean −0.008904
Std Dev 0.4365

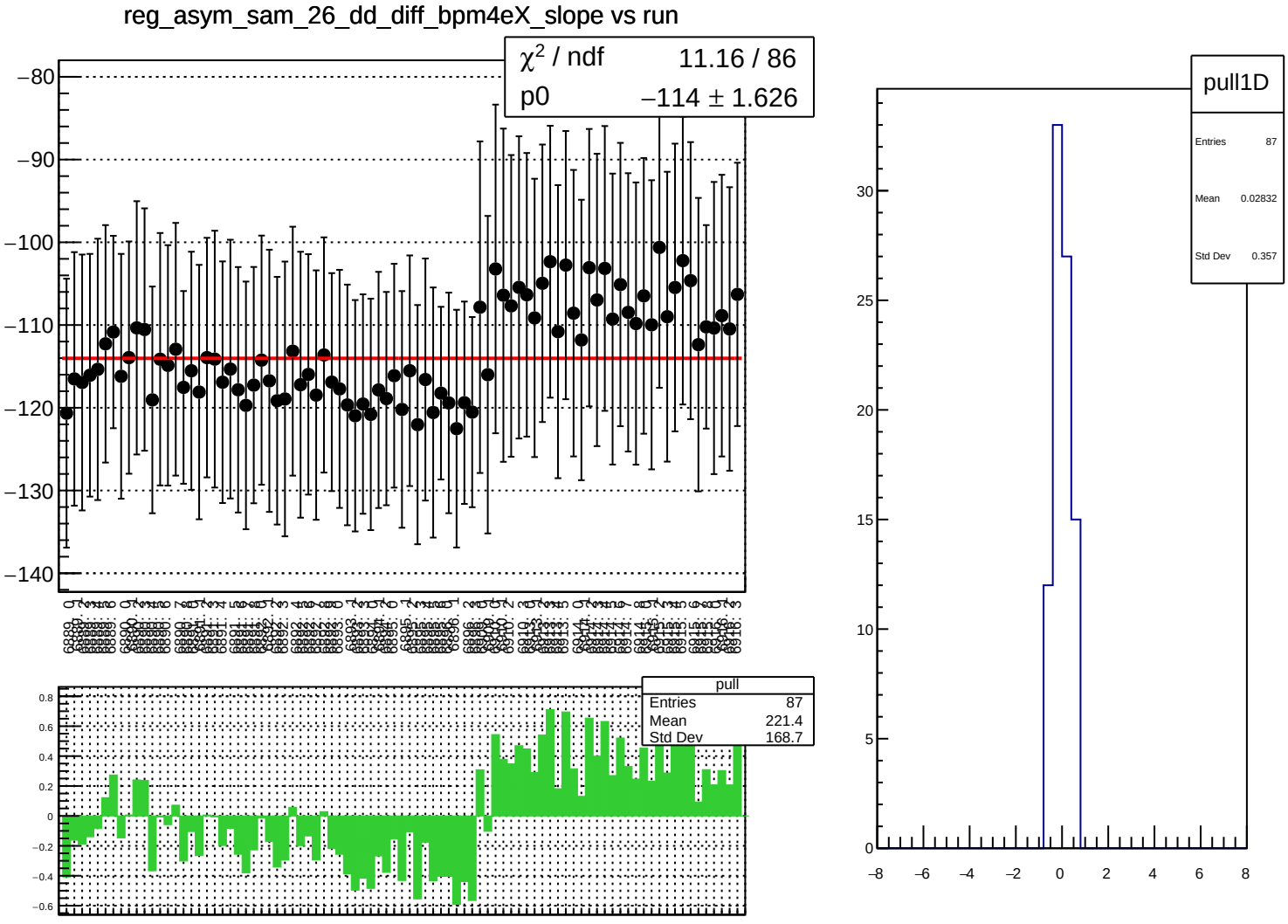

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.981 / 86
p0 0.7186 ± 0.02802
pull
Entries 87
Mean 236.4
Std Dev 225.6

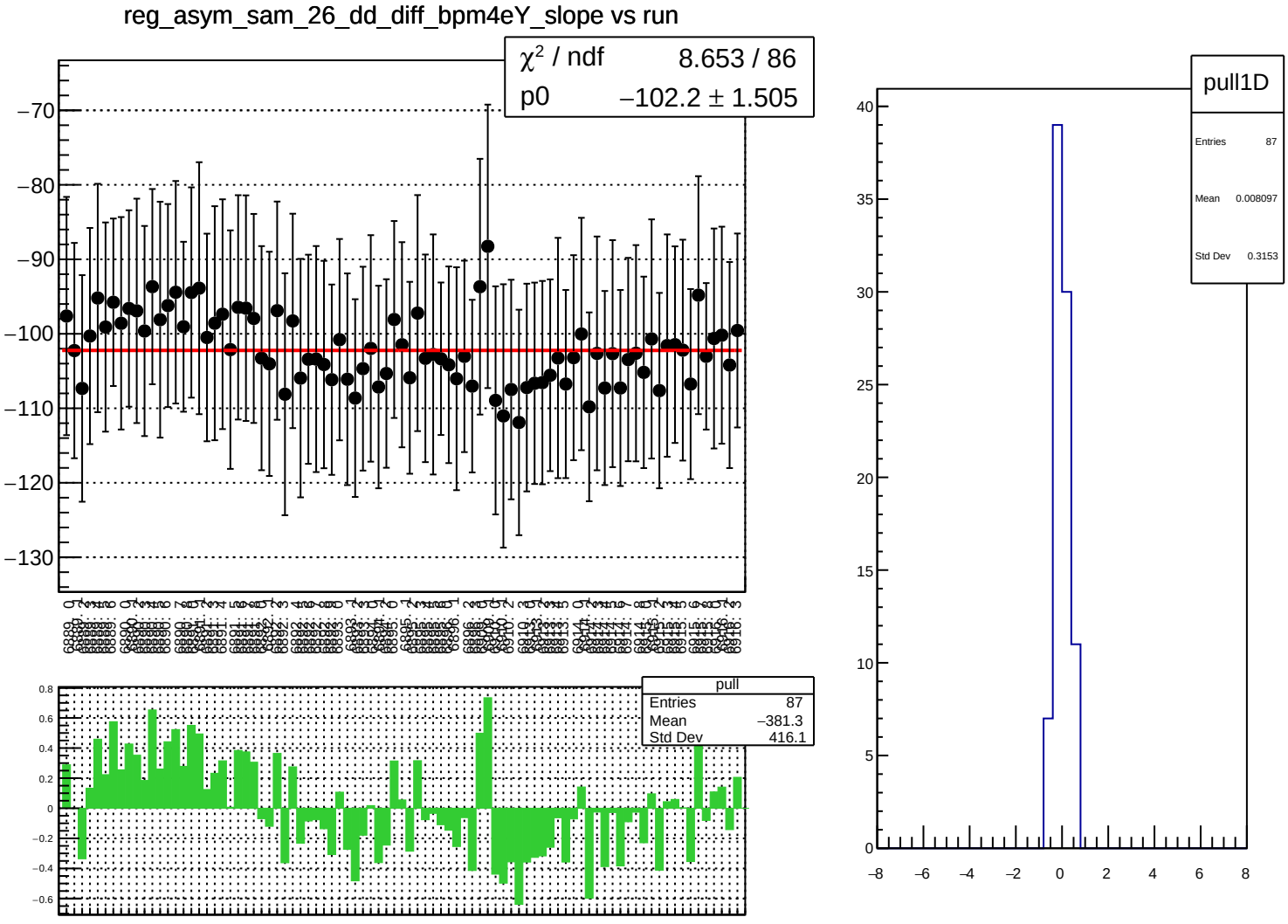

pull1D
Entries 87
Mean −0.006516
Std Dev 0.3028

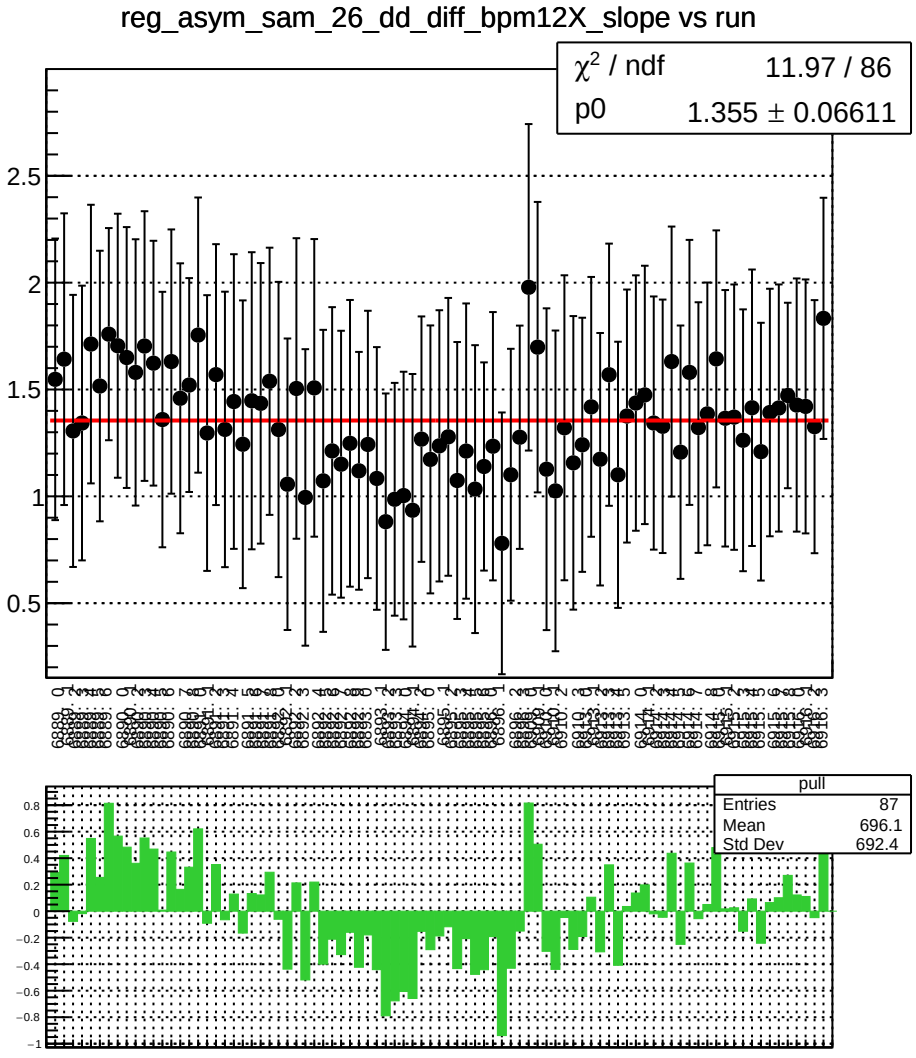

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.2 / 86
p0 −18.34 ± 1.7
pull
Entries 87
Mean 192.5
Std Dev 140.7
pull1D
Entries 87
Mean −0.03565
Std Dev 0.3571

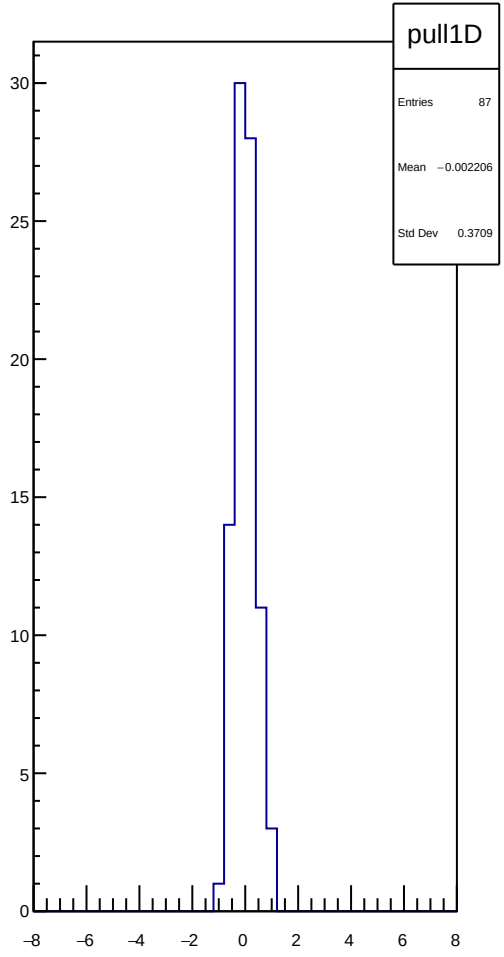

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.314 / 86
p0 −39.65 ± 1.275
pull
Entries 87
Mean −137.6
Std Dev 171.2

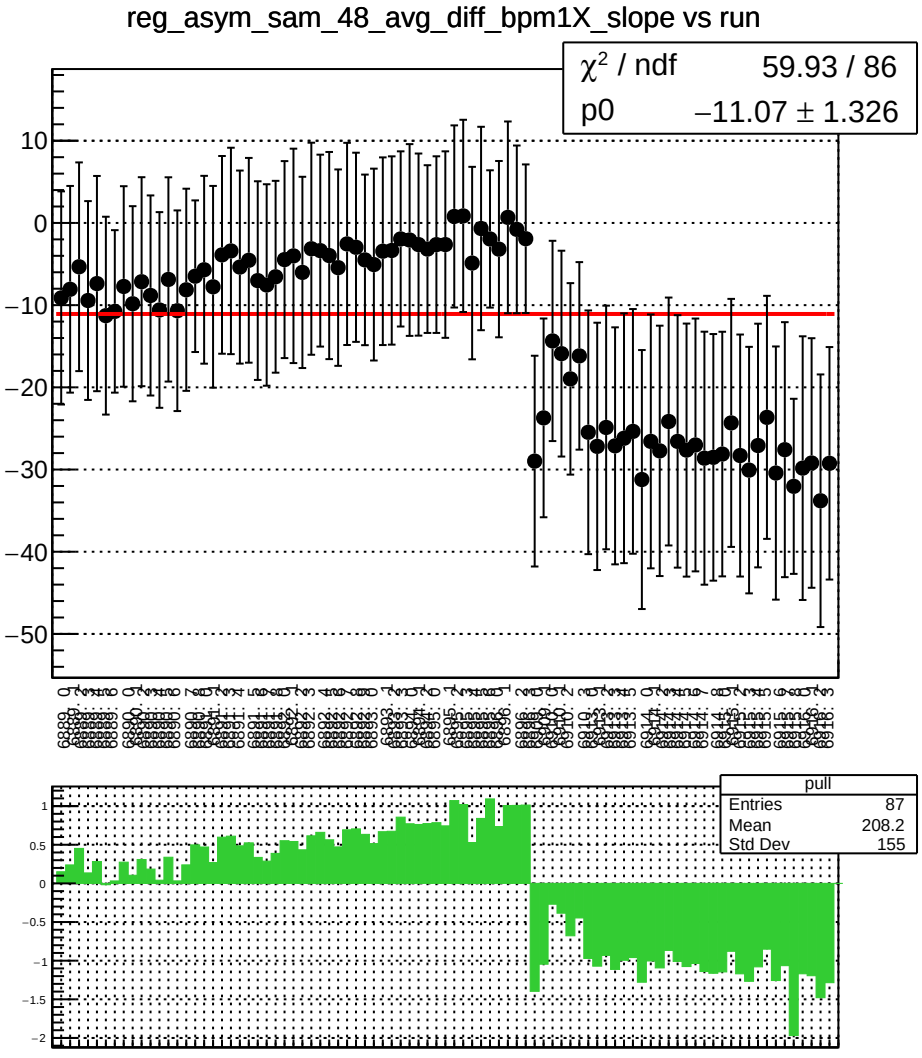

pull1D
Entries 87
Mean −0.01454
Std Dev 0.3088

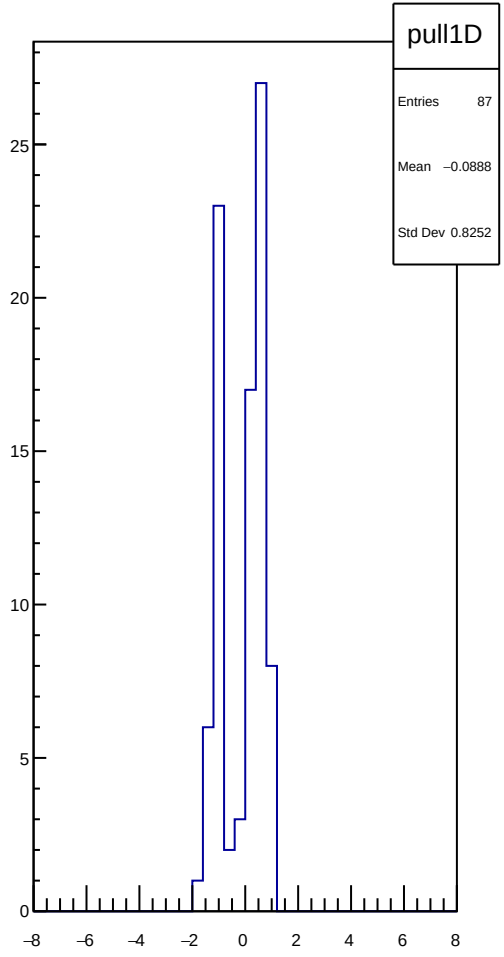

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.16 / 86
p0 −114 ± 1.626
pull
Entries 87
Mean 221.4
Std Dev 168.7
pull1D
Entries 87
Mean 0.02832
Std Dev 0.357

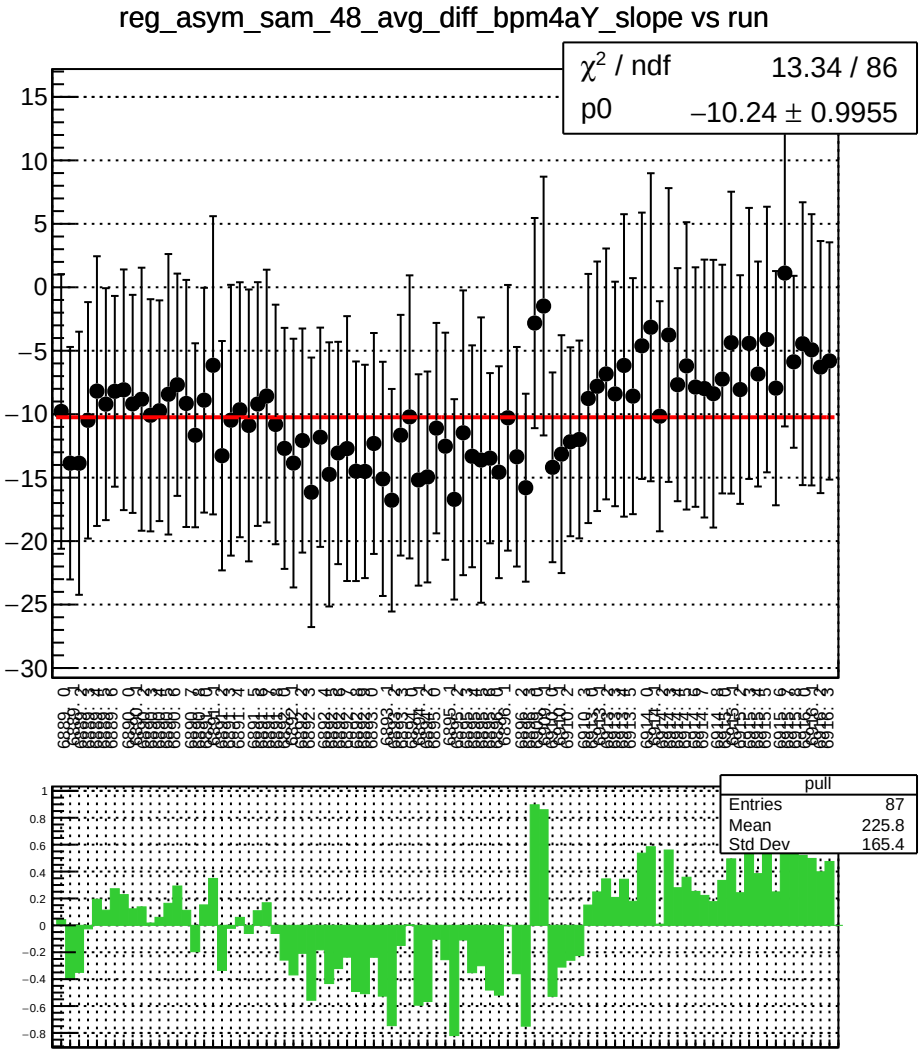

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.653 / 86
p0 −102.2 ± 1.505
pull
Entries 87
Mean −381.3
Std Dev 416.1
pull1D
Entries 87
Mean 0.008097
Std Dev 0.3153

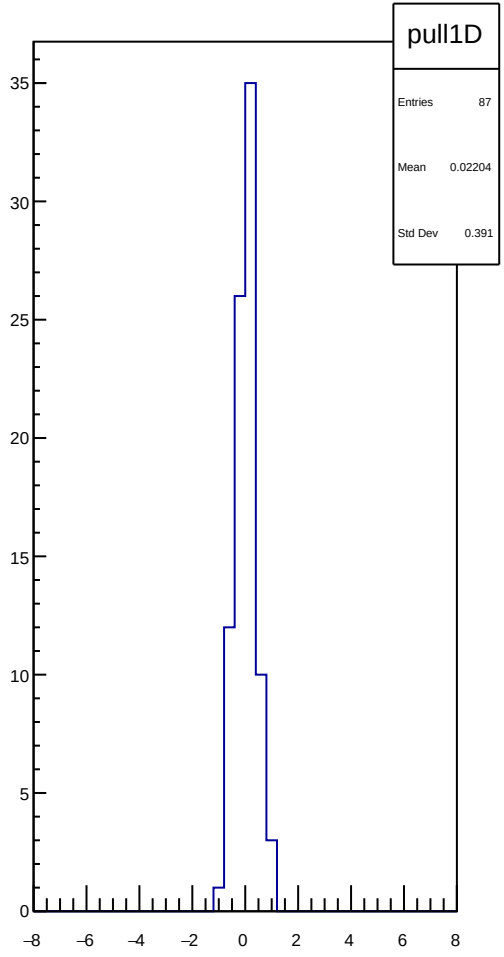

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.97 / 86
p0 1.355 ± 0.06611
pull
Entries 87
Mean 696.1
Std Dev 692.4

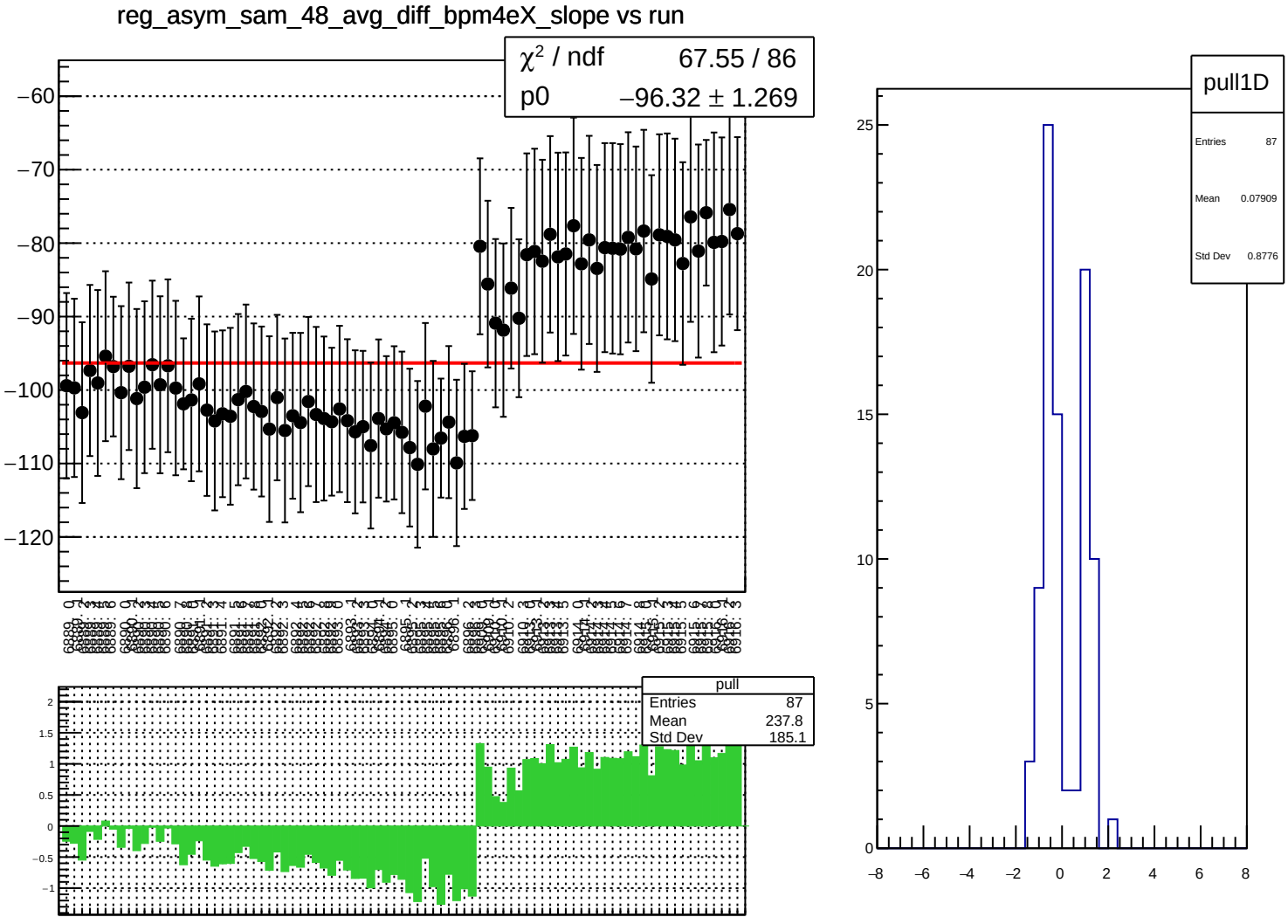

pull1D
Entries 87
Mean −0.002206
Std Dev 0.3709

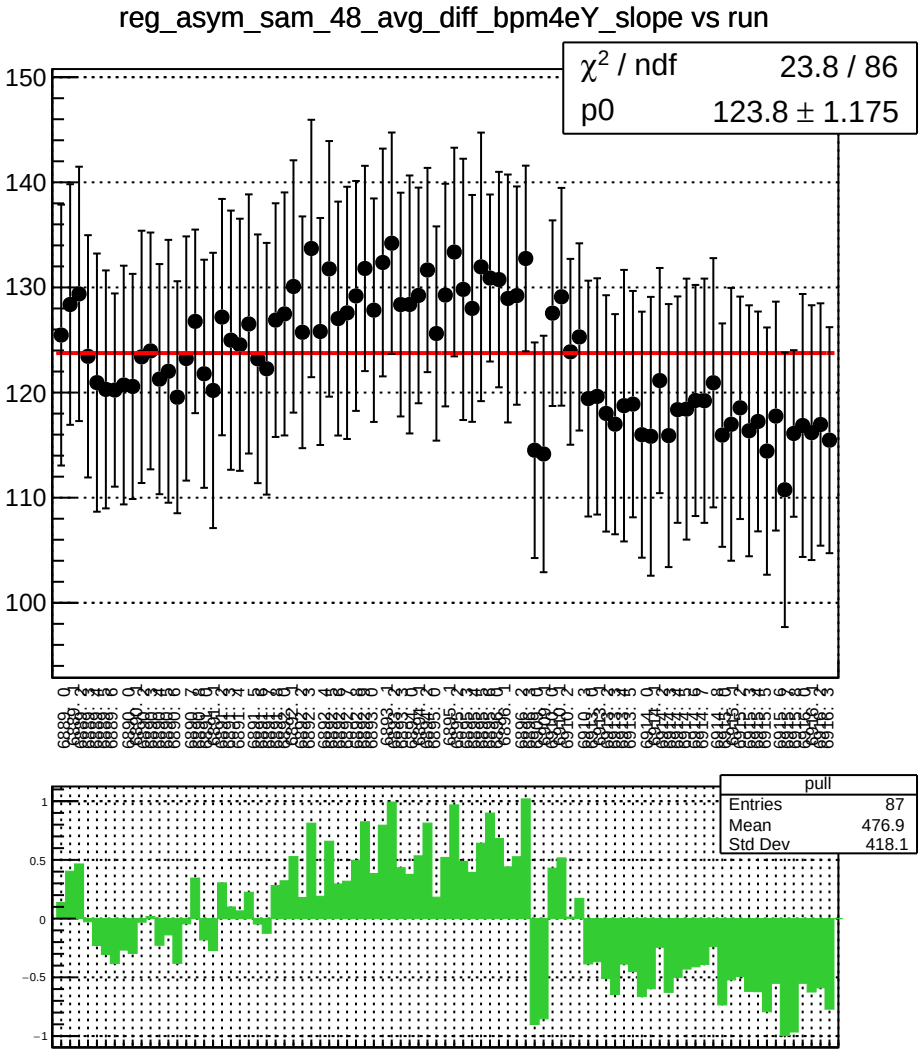

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 59.93 / 86
p0 −11.07 ± 1.326
pull
Entries 87
Mean 208.2
Std Dev 155

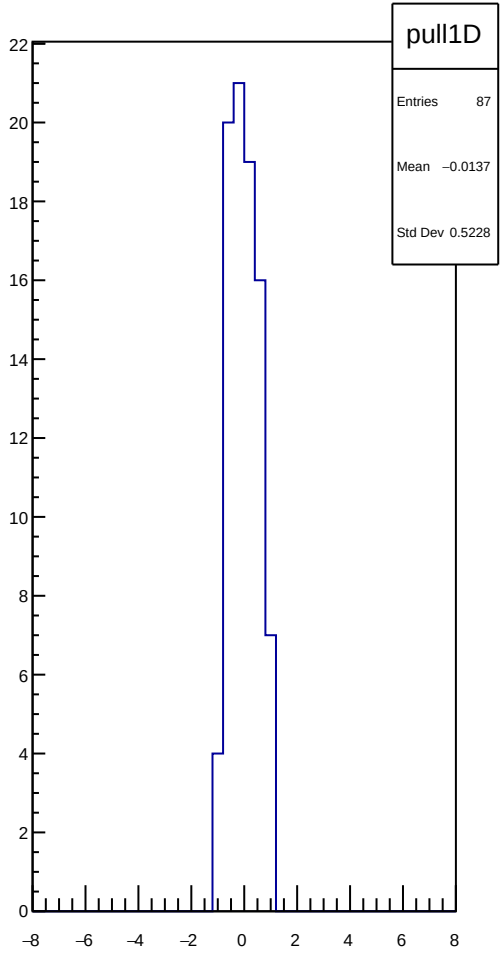

pull1D
Entries 87
Mean −0.0888
Std Dev 0.8252

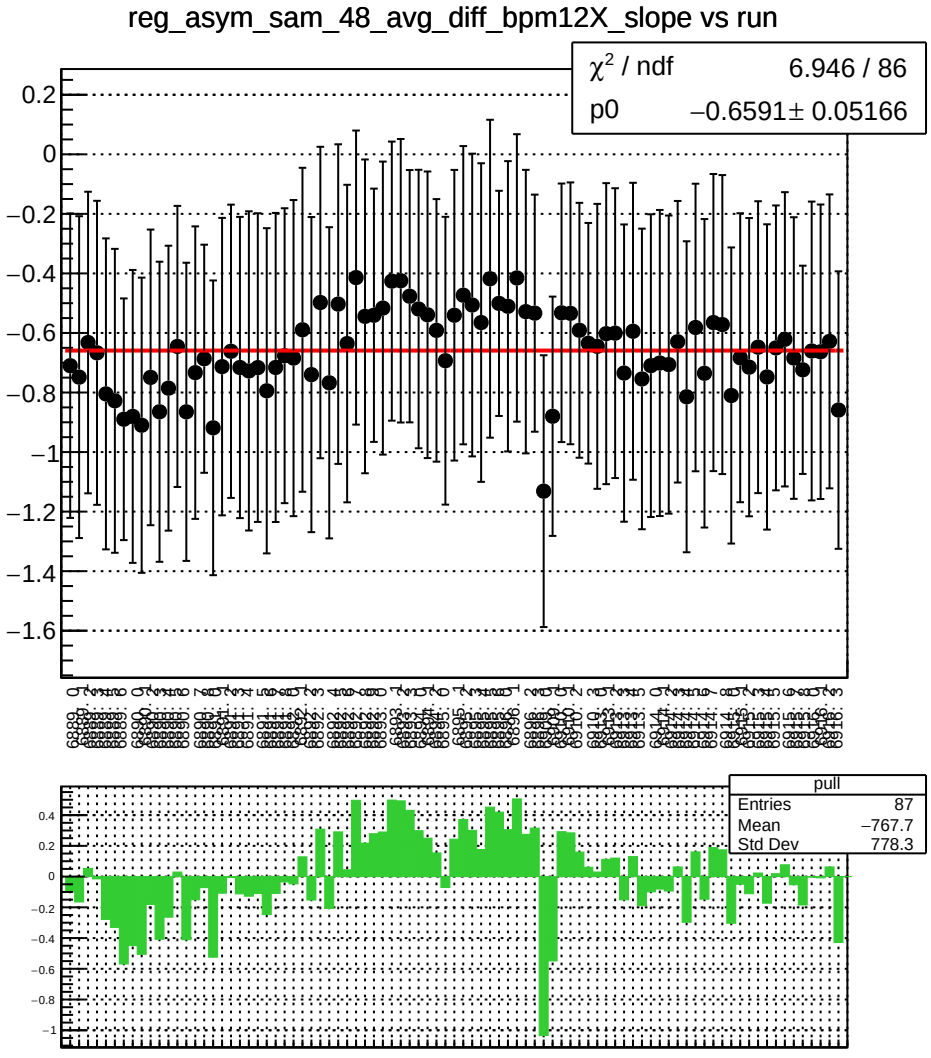

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.34 / 86
p0 −10.24 ± 0.9955
pull
Entries 87
Mean 225.8
Std Dev 165.4

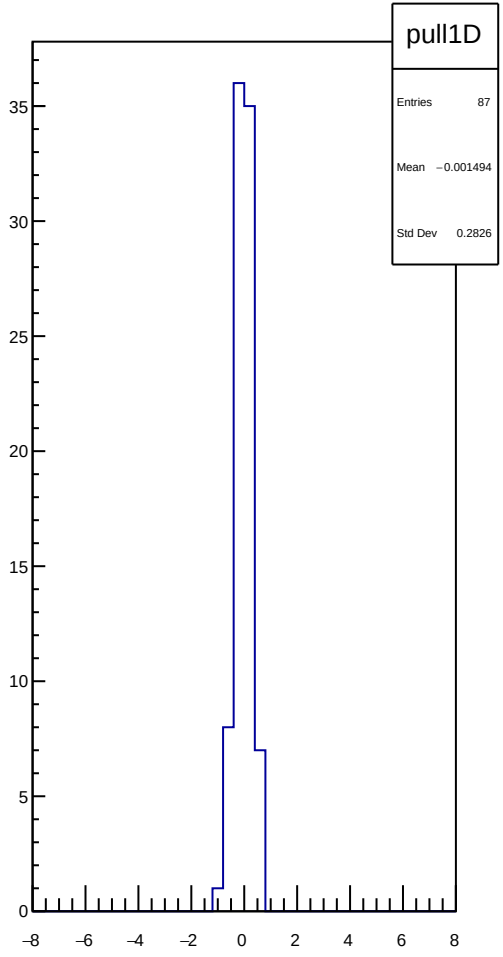

pull1D
Entries 87
Mean 0.02204
Std Dev 0.391

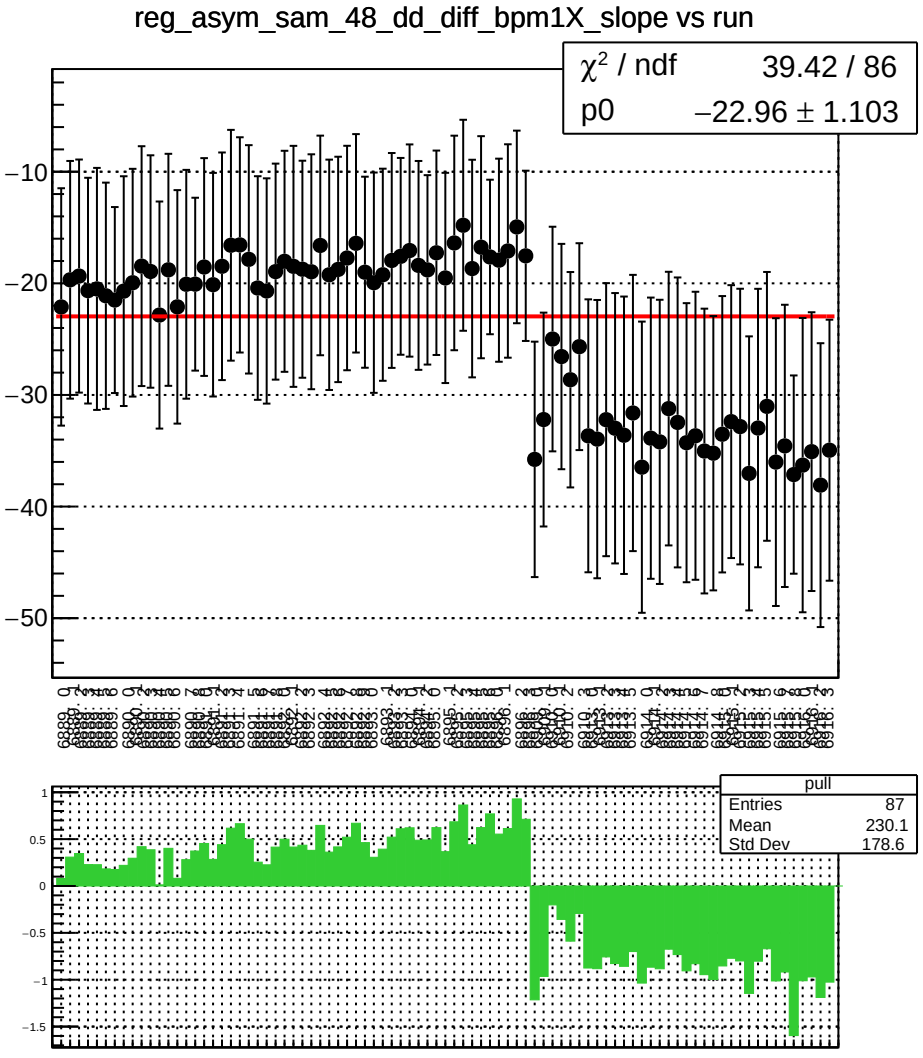

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.55 / 86
p0 −96.32 ± 1.269
pull
Entries 87
Mean 237.8
Std Dev 185.1
pull1D
Entries 87
Mean 0.07909
Std Dev 0.8776

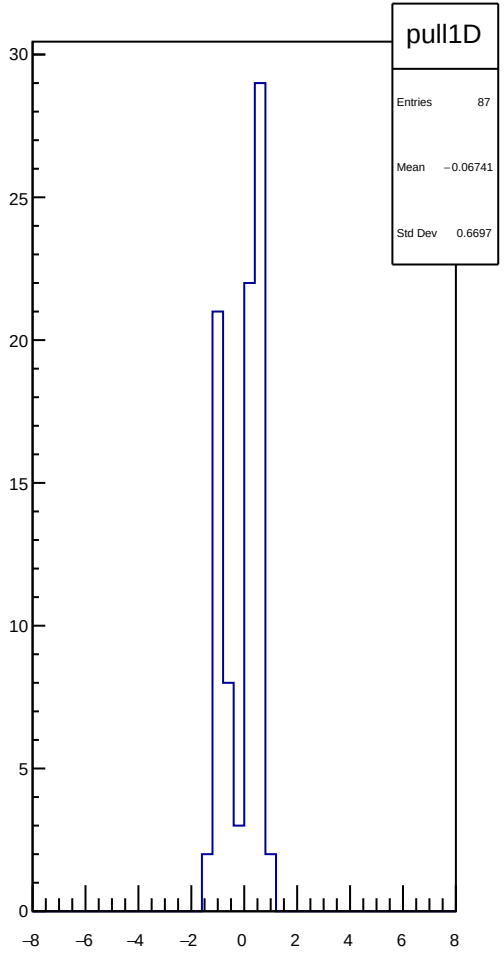

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.8 / 86
p0 123.8 ± 1.175
pull
Entries 87
Mean 476.9
Std Dev 418.1

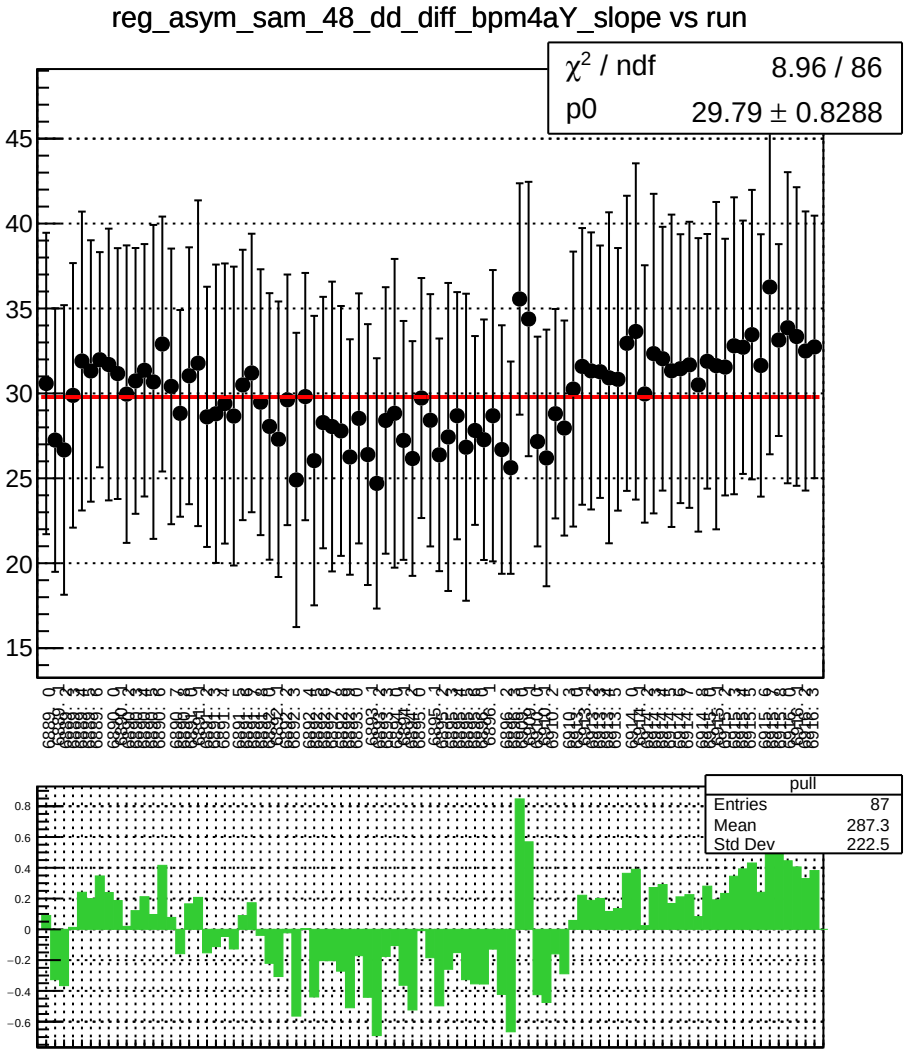

pull1D
Entries 87
Mean −0.0137
Std Dev 0.5228

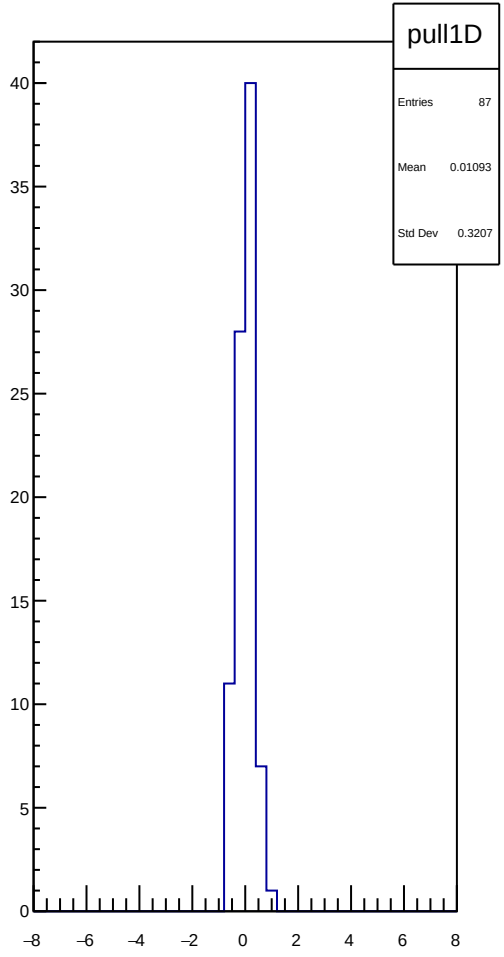

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.946 / 86
p0 −0.6591± 0.05166
pull
Entries 87
Mean −767.7
Std Dev 778.3

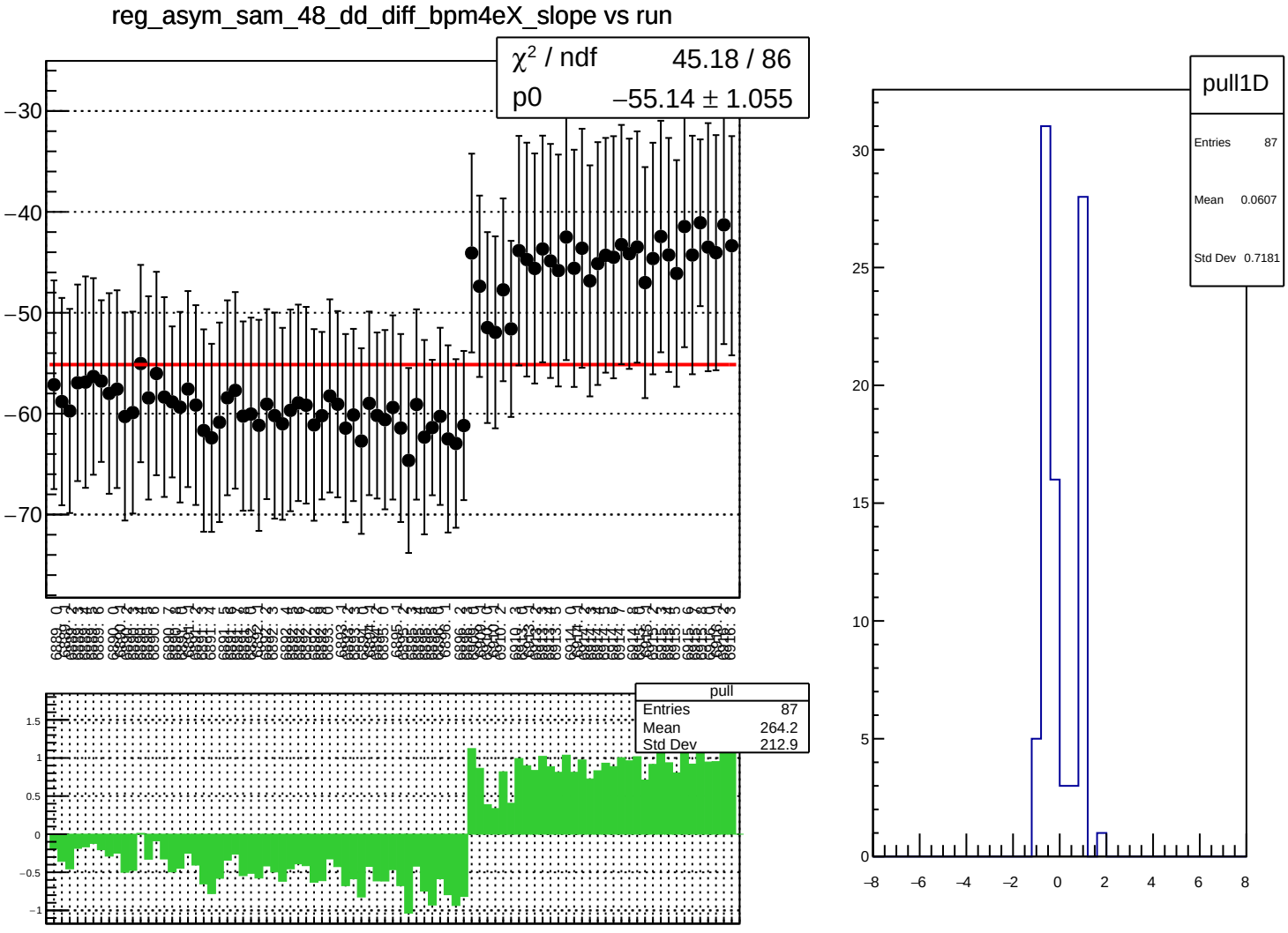

pull1D
Entries 87
Mean −0.001494
Std Dev 0.2826

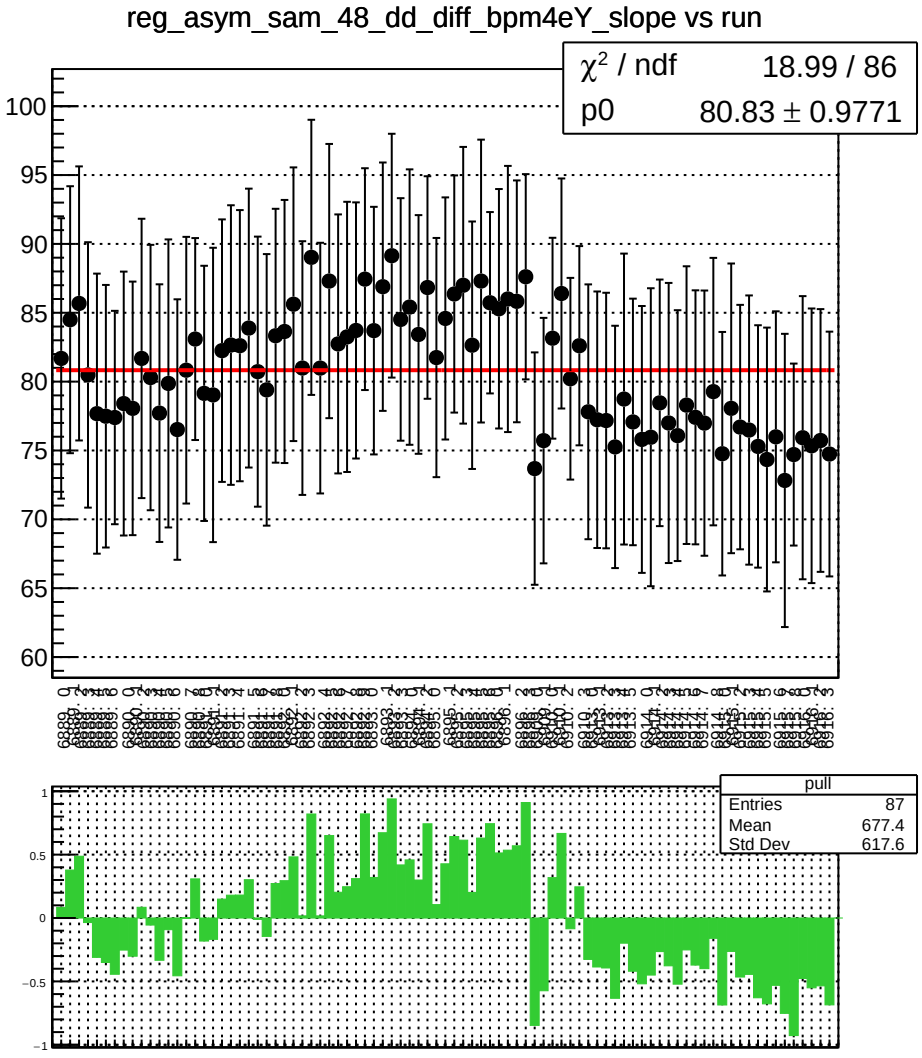

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 39.42 / 86
p0 −22.96 ± 1.103
−10
−20
−30
−40
−50
pull
Entries 87
Mean 230.1
Std Dev 178.6
1
0.5
0
−0.5
−1
−1.5

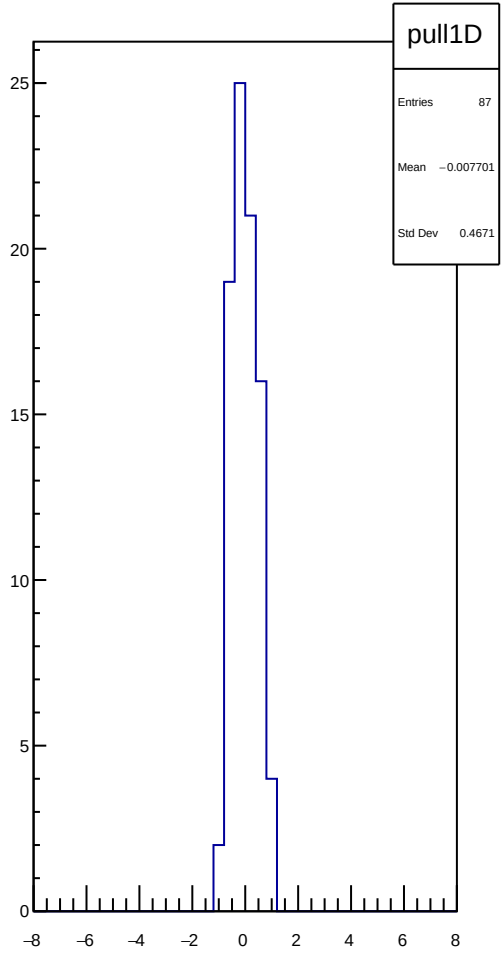

pull1D
Entries 87
Mean −0.06741
Std Dev 0.6697
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

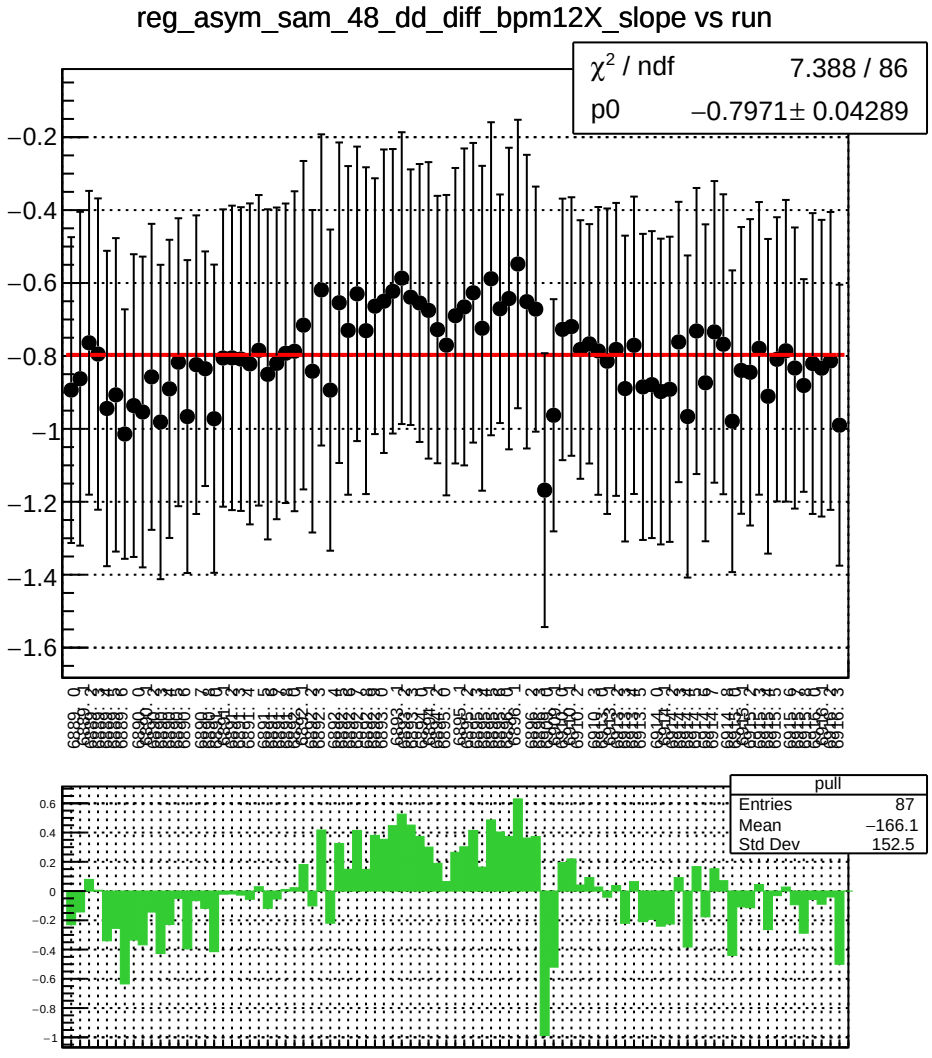

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.96 / 86
p0 29.79 ± 0.8288
pull
Entries 87
Mean 287.3
Std Dev 222.5

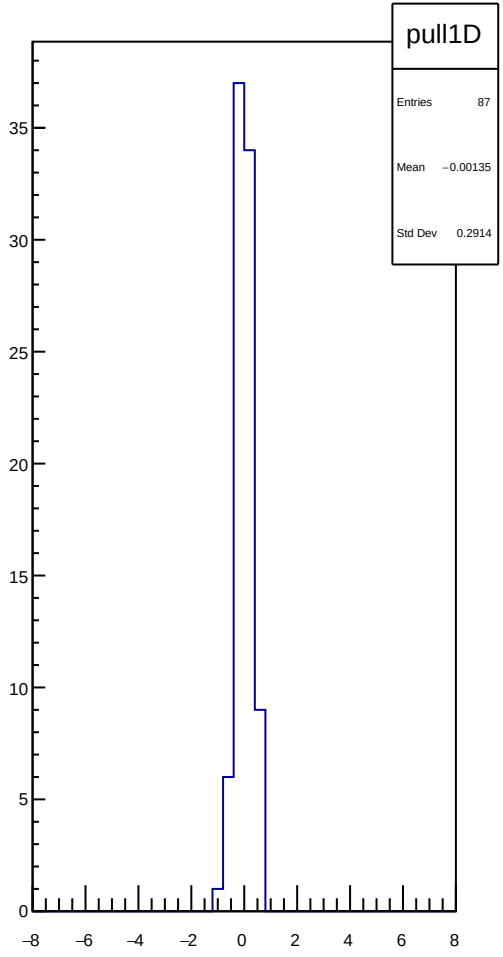

pull1D
Entries 87
Mean 0.01093
Std Dev 0.3207

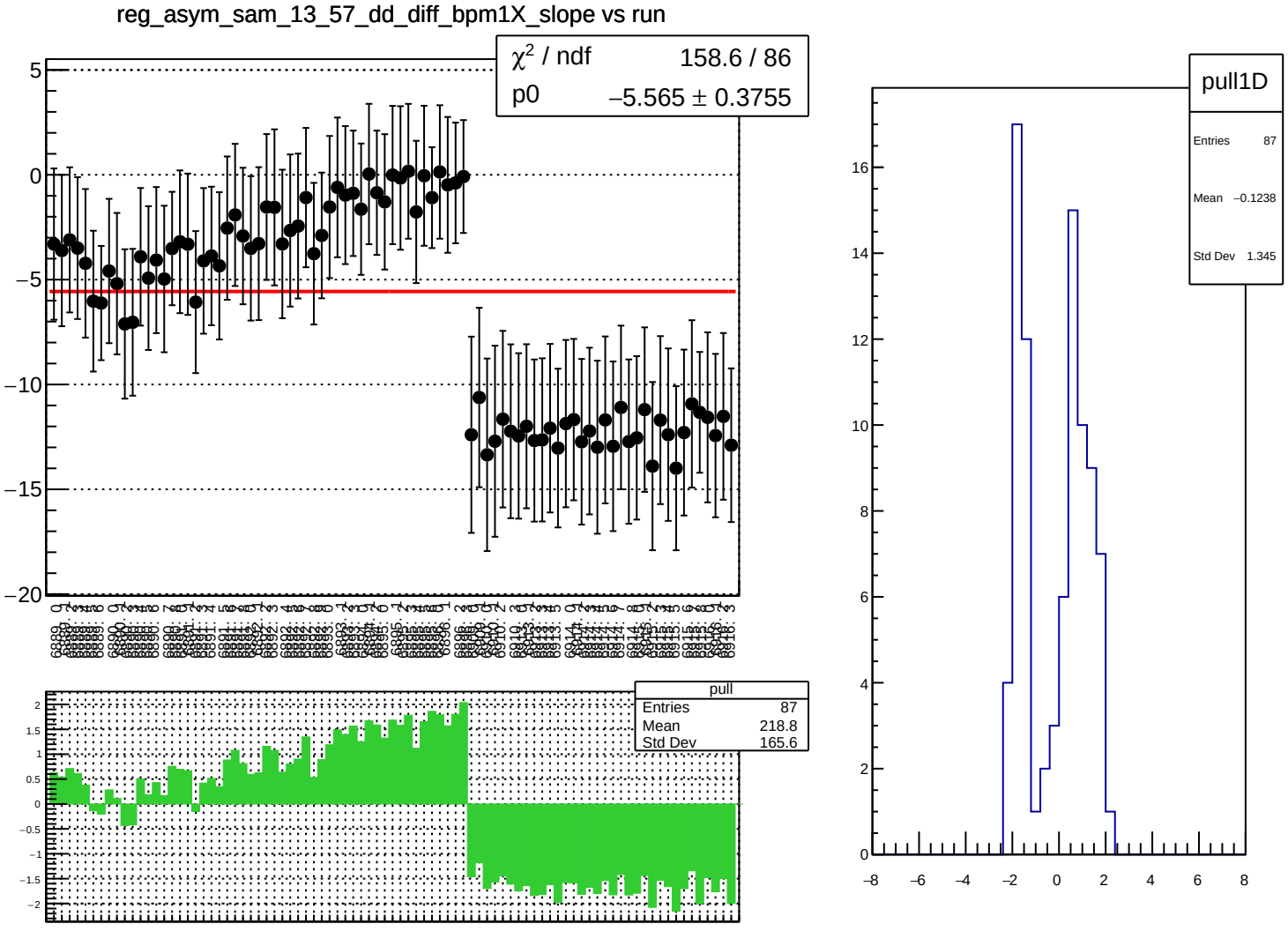

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.18 / 86
p0 −55.14 ± 1.055
pull
Entries 87
Mean 264.2
Std Dev 212.9
pull1D
Entries 87
Mean 0.0607
Std Dev 0.7181

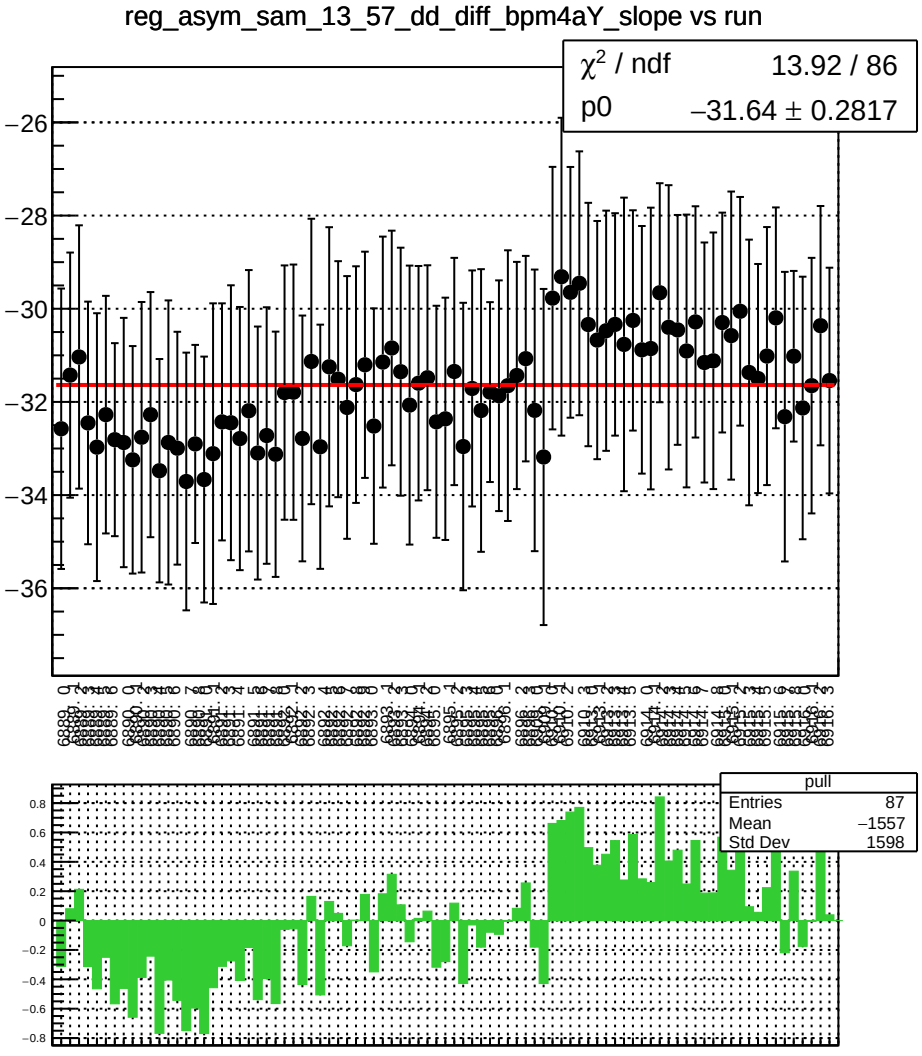

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.99 / 86
p0 80.83 ± 0.9771
pull
Entries 87
Mean 677.4
Std Dev 617.6

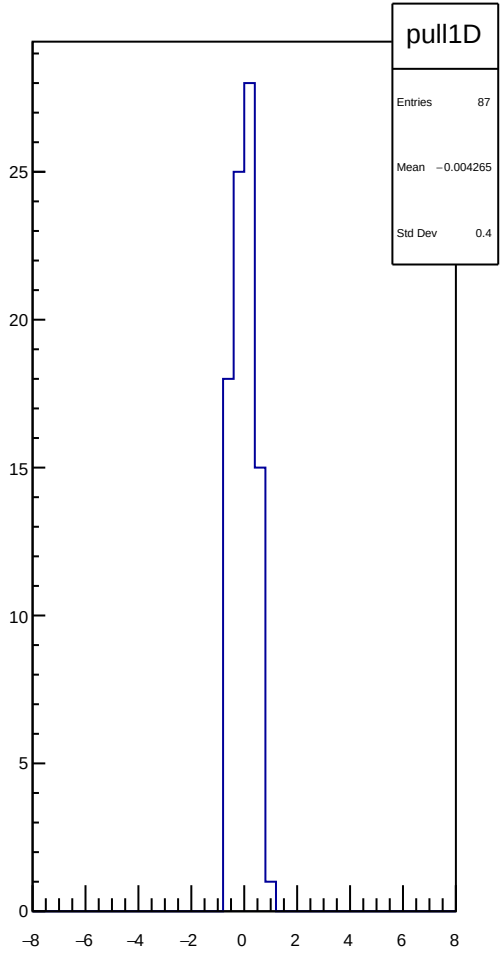

pull1D
Entries 87
Mean −0.007701
Std Dev 0.4671

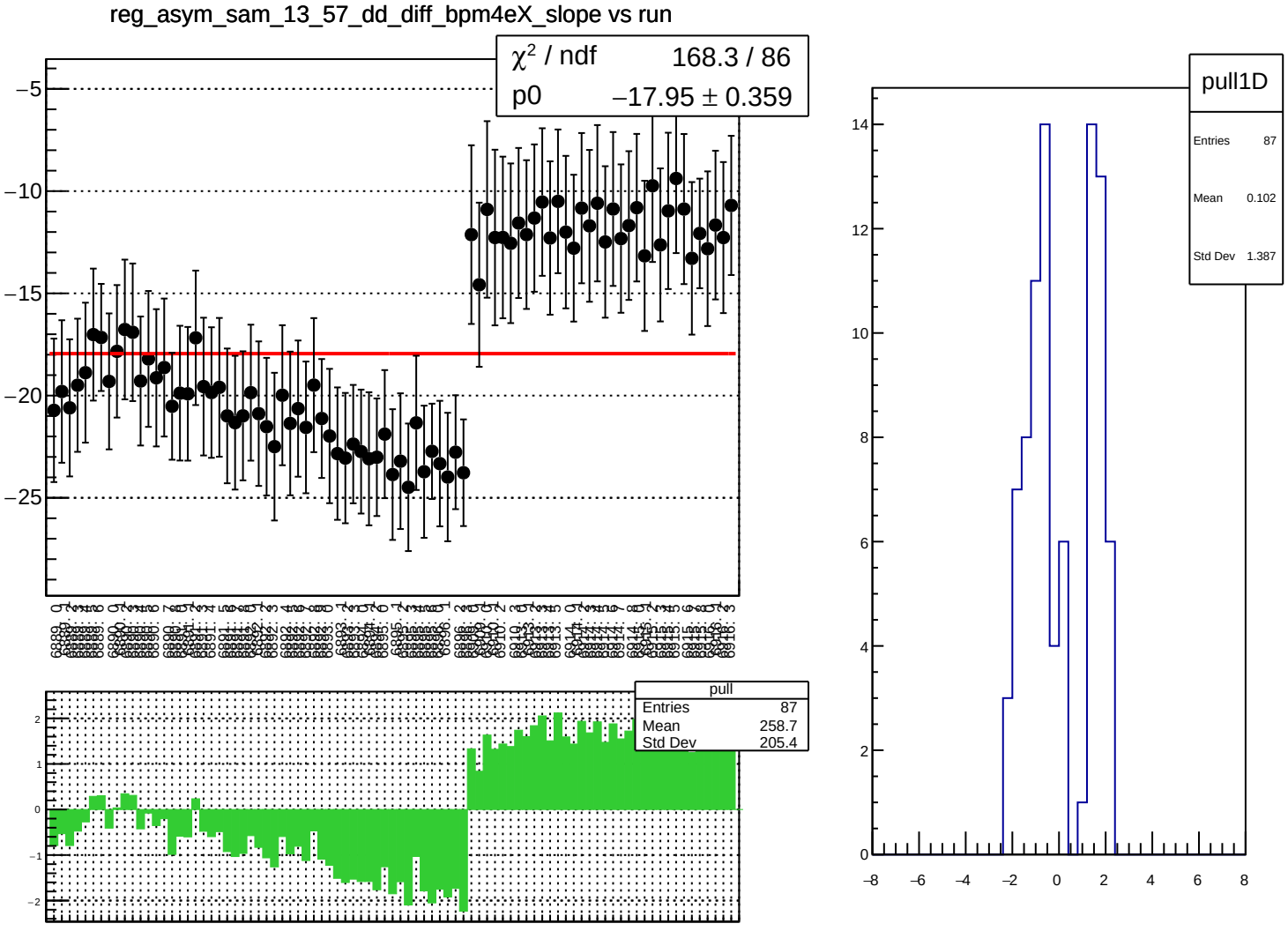

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.388 / 86
p0 −0.7971± 0.04289
pull
Entries 87
Mean −166.1
Std Dev 152.5

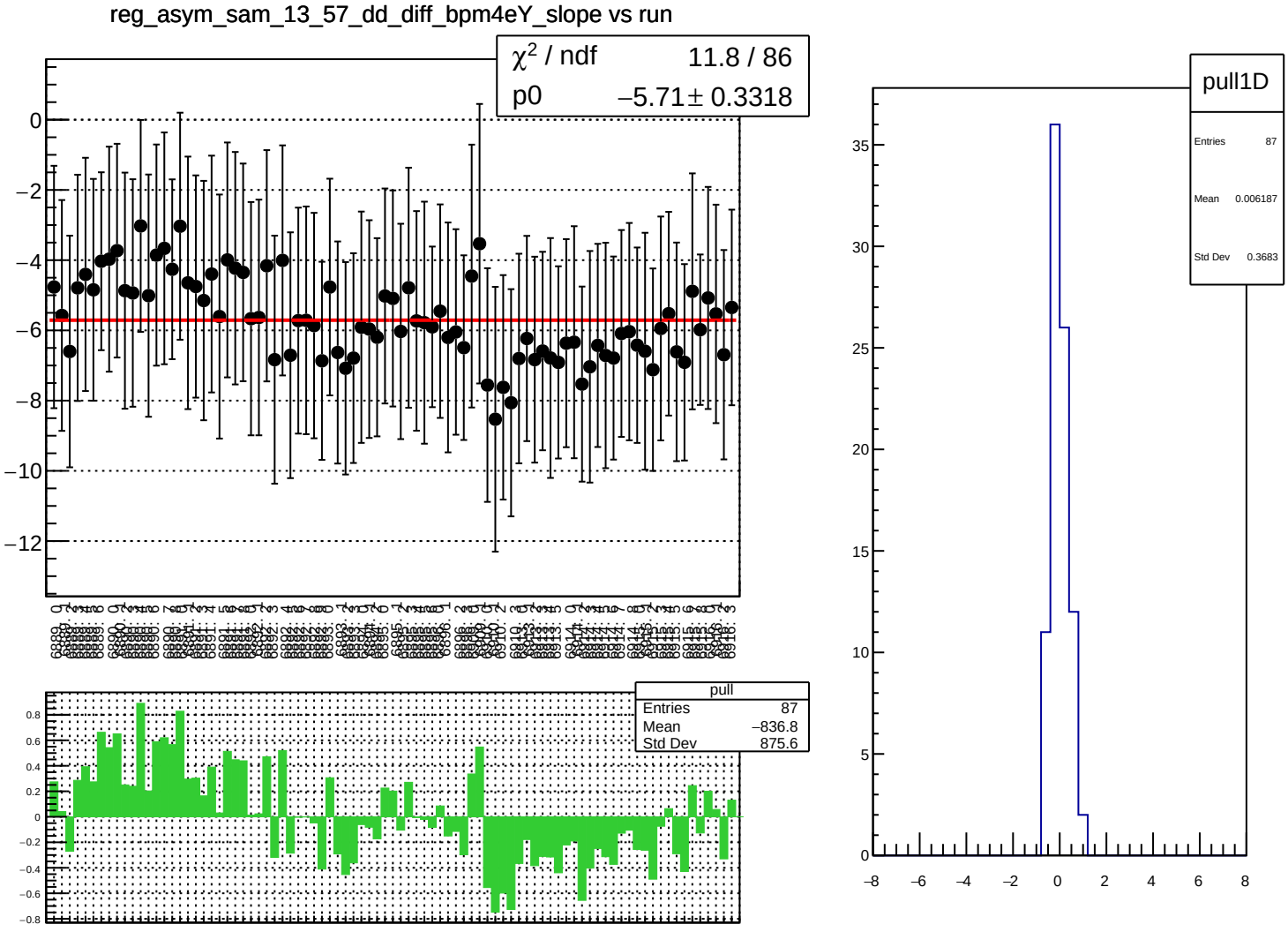

pull1D
Entries 87
Mean −0.00135
Std Dev 0.2914

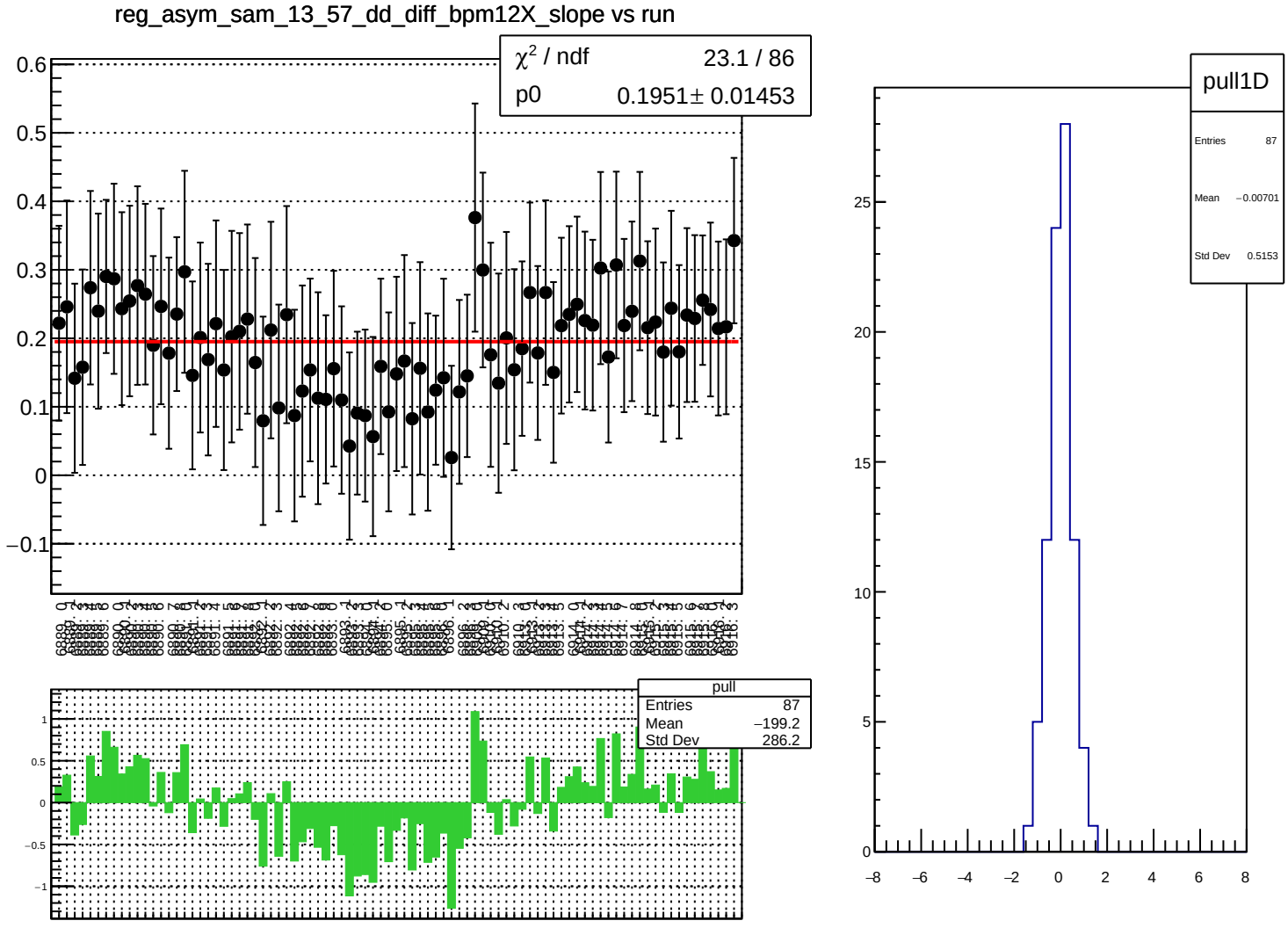

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 158.6 / 86
p0 −5.565 ± 0.3755
pull
Entries 87
Mean 218.8
Std Dev 165.6
pull1D
Entries 87
Mean −0.1238
Std Dev 1.345

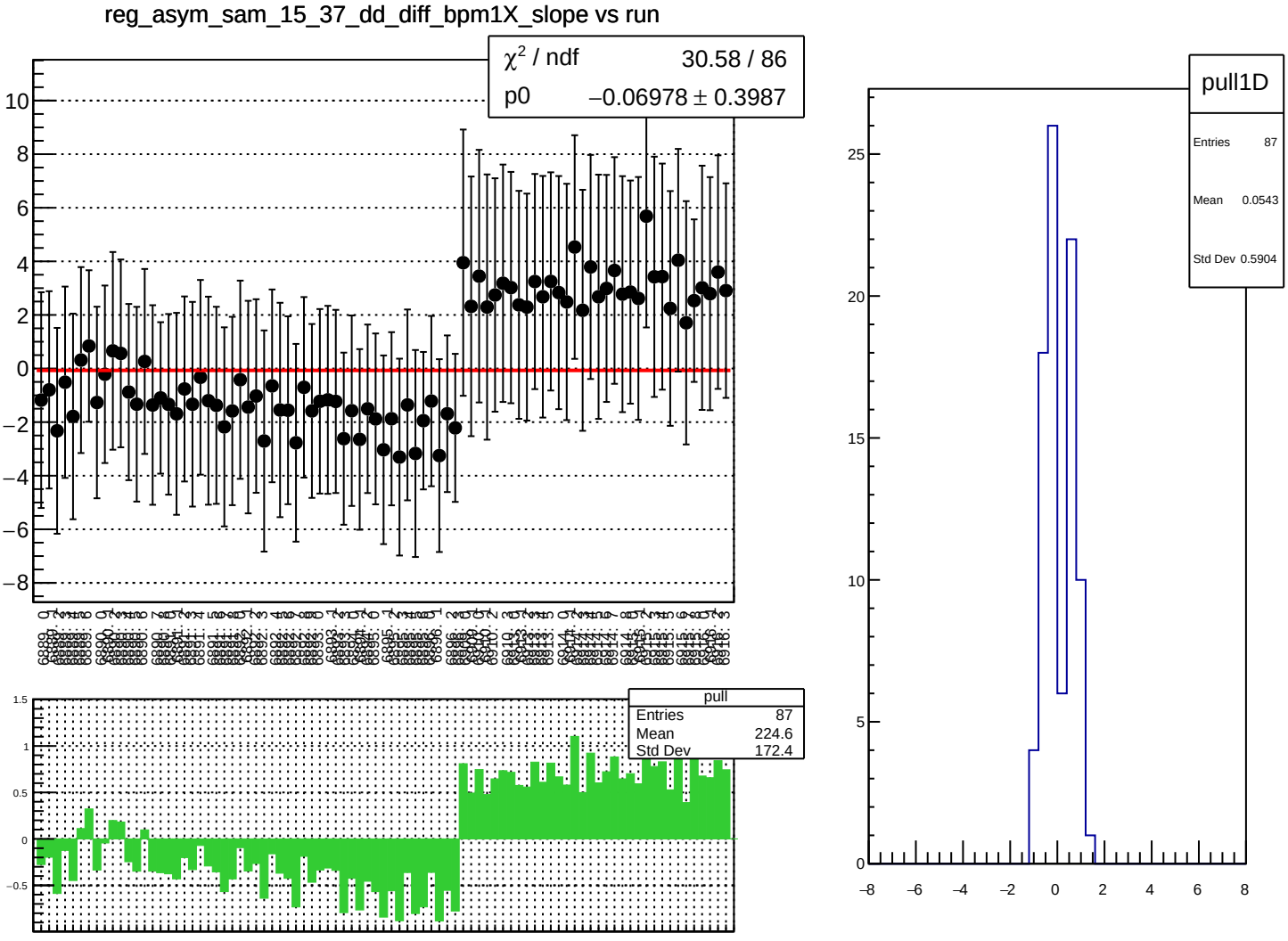

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.92 / 86
p0 −31.64 ± 0.2817
pull
Entries 87
Mean −1557
Std Dev 1598

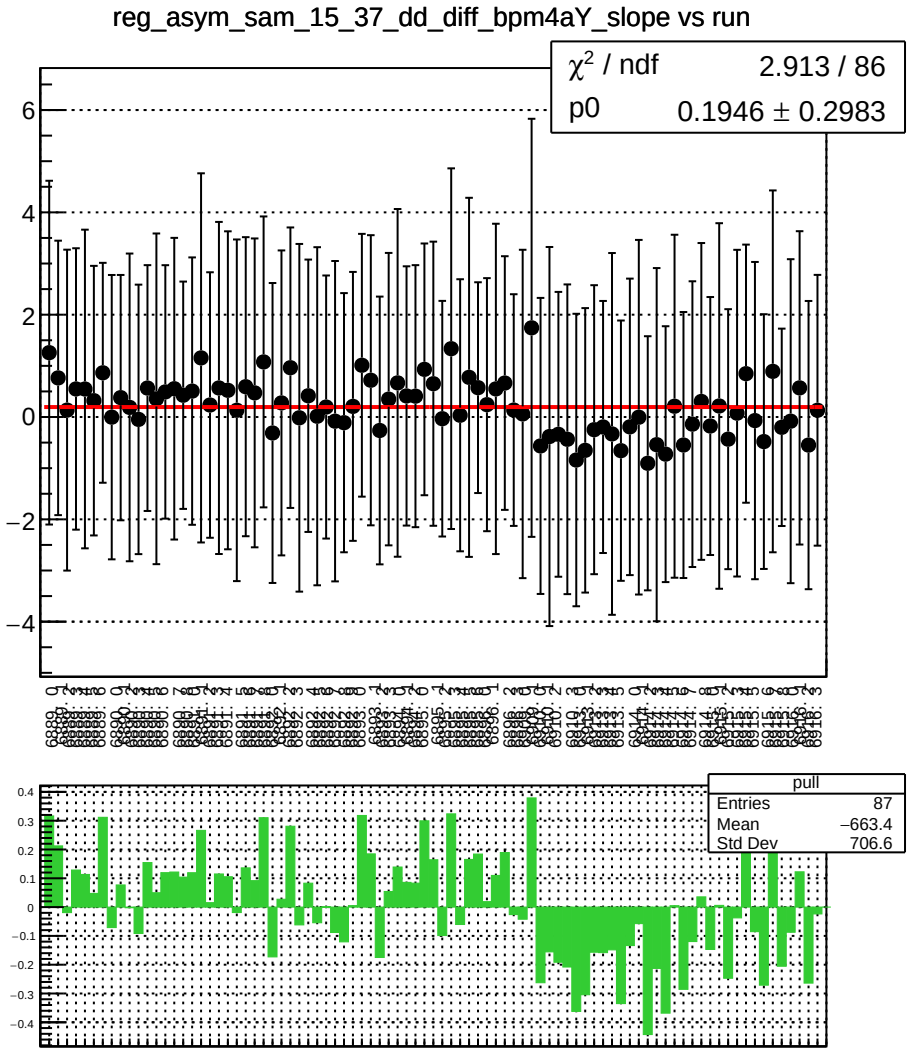

pull1D
Entries 87
Mean −0.004265
Std Dev 0.4

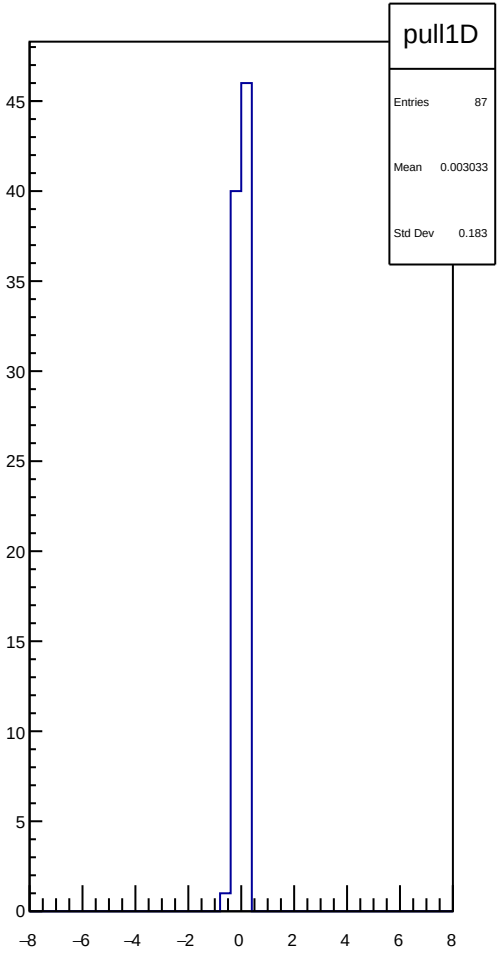

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 168.3 / 86
p0 −17.95 ± 0.359
pull
Entries 87
Mean 258.7
Std Dev 205.4
pull1D
Entries 87
Mean 0.102
Std Dev 1.387

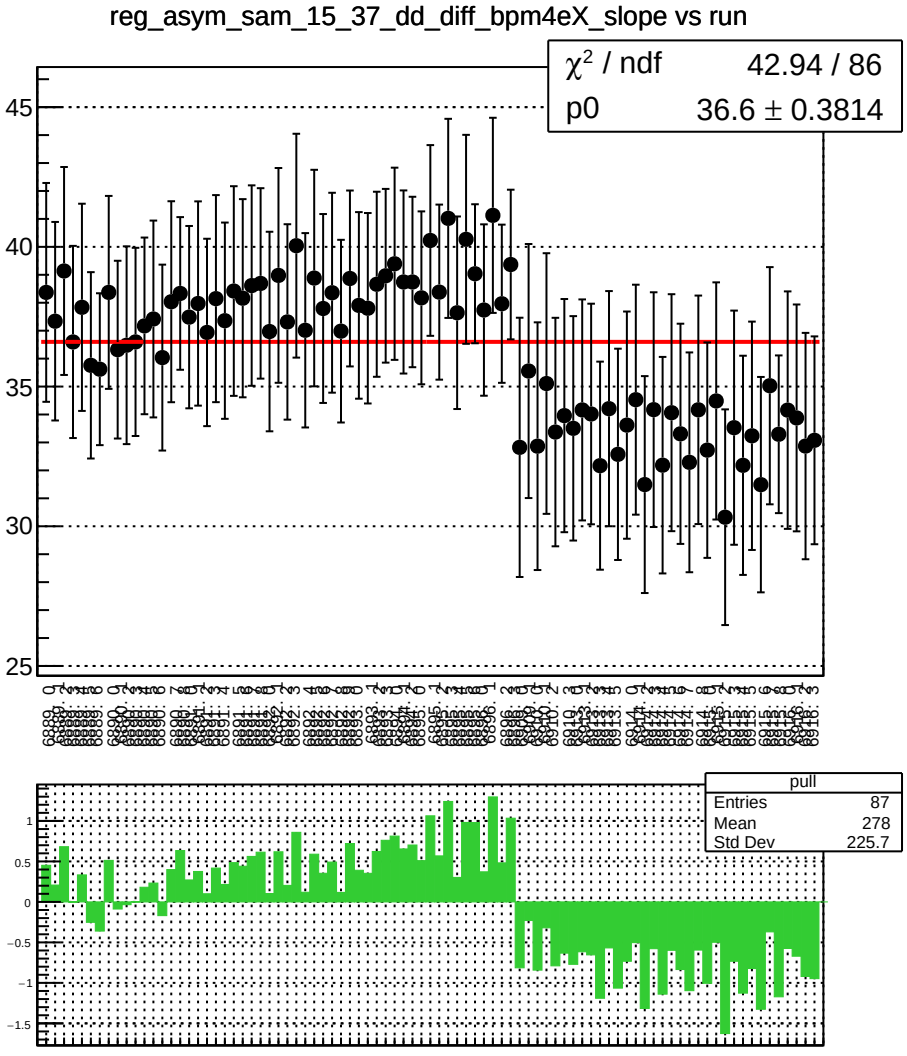

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ2 / ndf 11.8 / 86
p0 −5.71 ± 0.3318
pull
Entries 87
Mean −836.8
Std Dev 875.6
pull1D
Entries 87
Mean 0.006187
Std Dev 0.3683

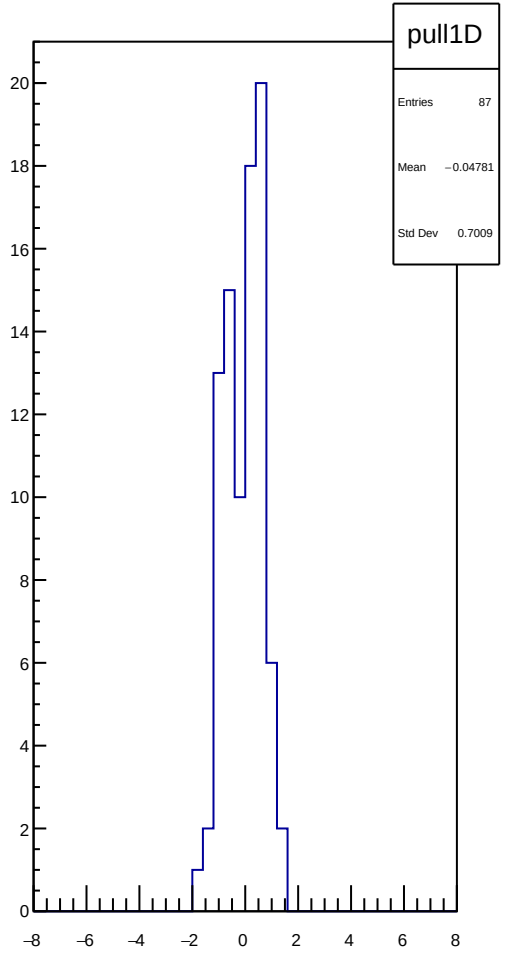

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 23.1 / 86
p0 0.1951± 0.01453
pull
Entries 87
Mean −199.2
Std Dev 286.2
pull1D
Entries 87
Mean −0.00701
Std Dev 0.5153

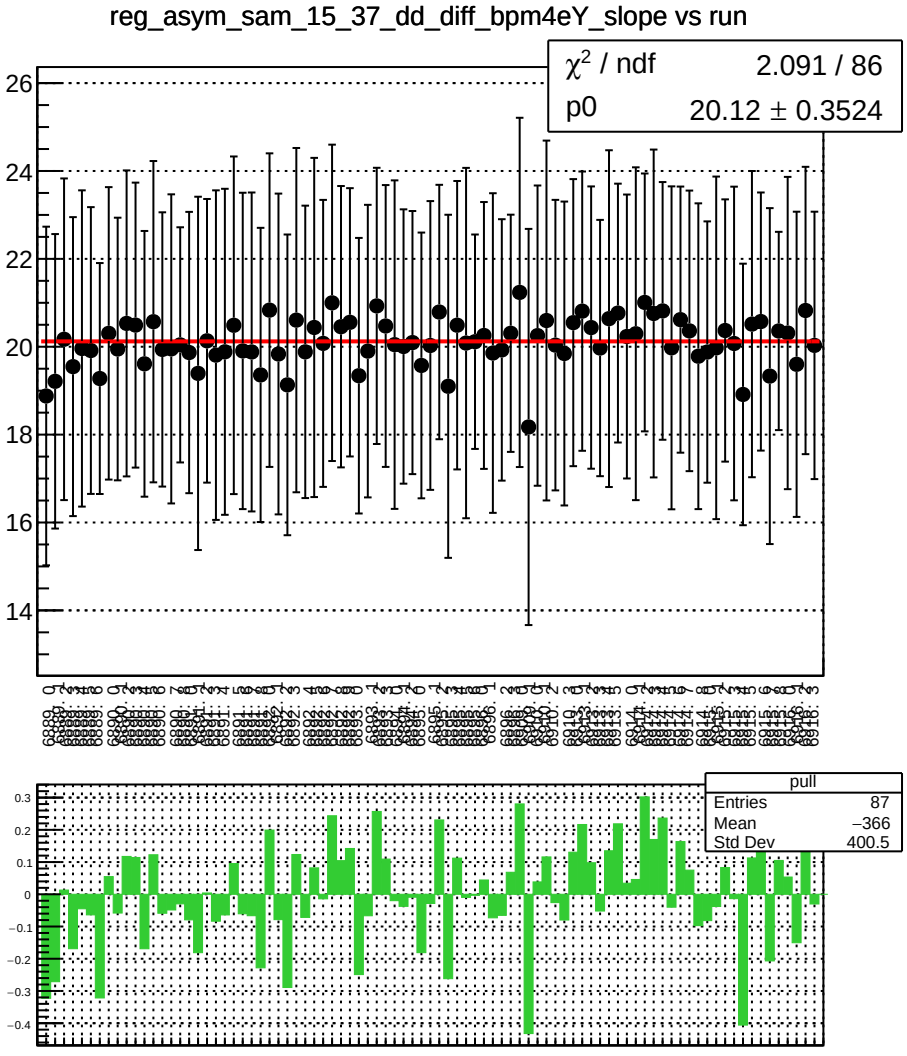

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 30.58 / 86
p0 −0.06978 ± 0.3987
pull
Entries 87
Mean 224.6
Std Dev 172.4
pull1D
Entries 87
Mean 0.0543
Std Dev 0.5904

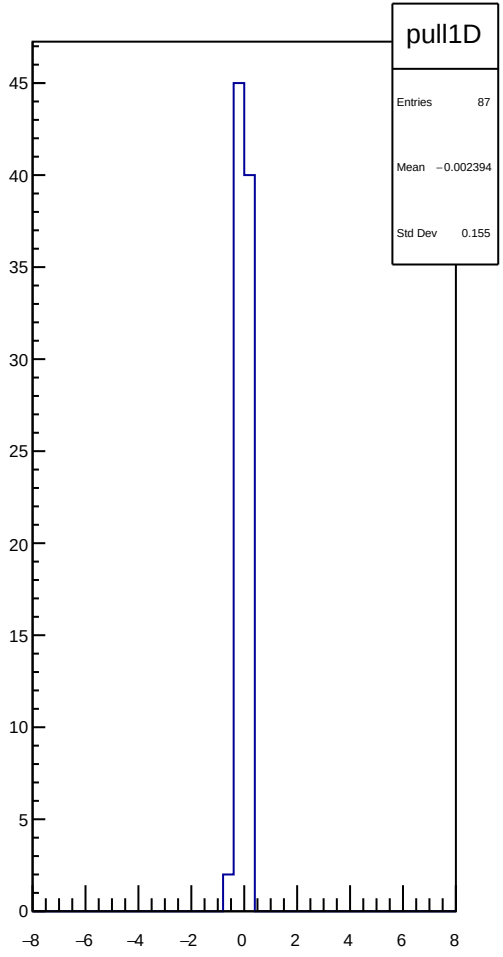

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.913 / 86
p0 0.1946 ± 0.2983
pull
Entries 87
Mean −663.4
Std Dev 706.6

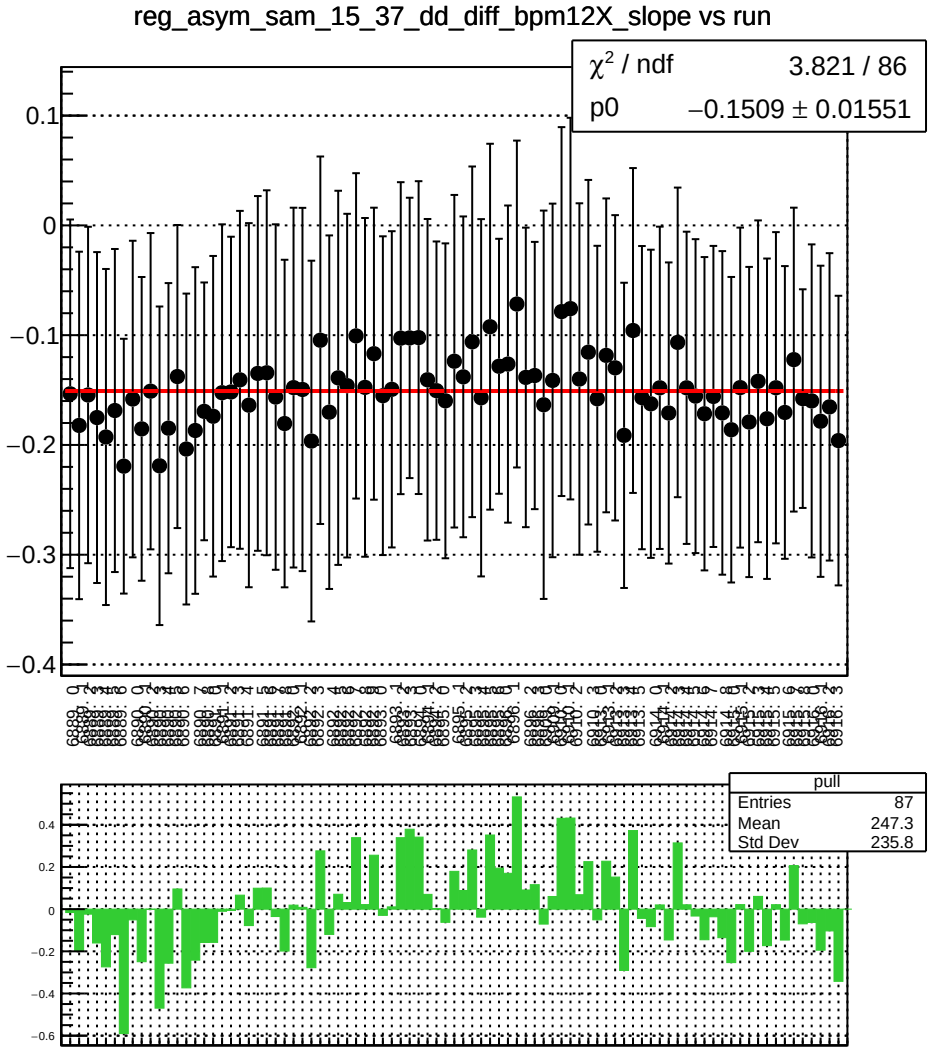

pull1D
Entries 87
Mean 0.003033
Std Dev 0.183

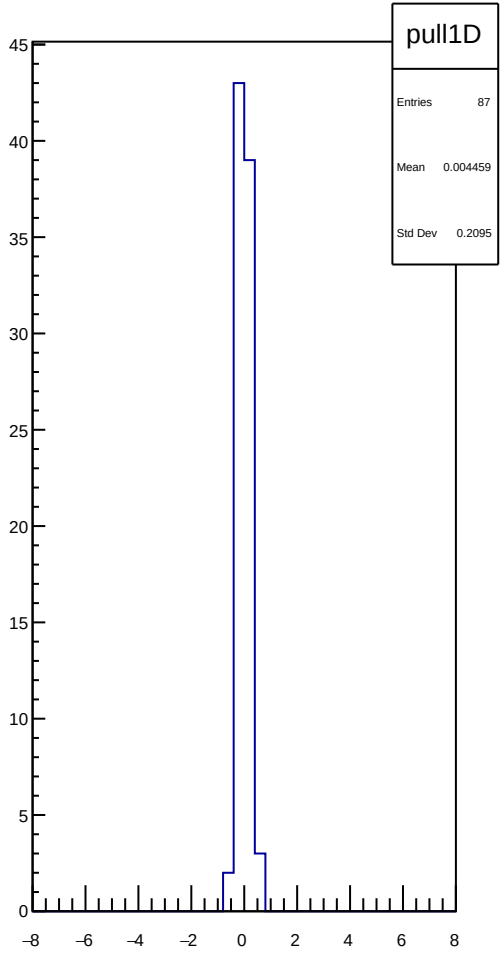

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.94 / 86
p0 36.6 ± 0.3814
pull
Entries 87
Mean 278
Std Dev 225.7

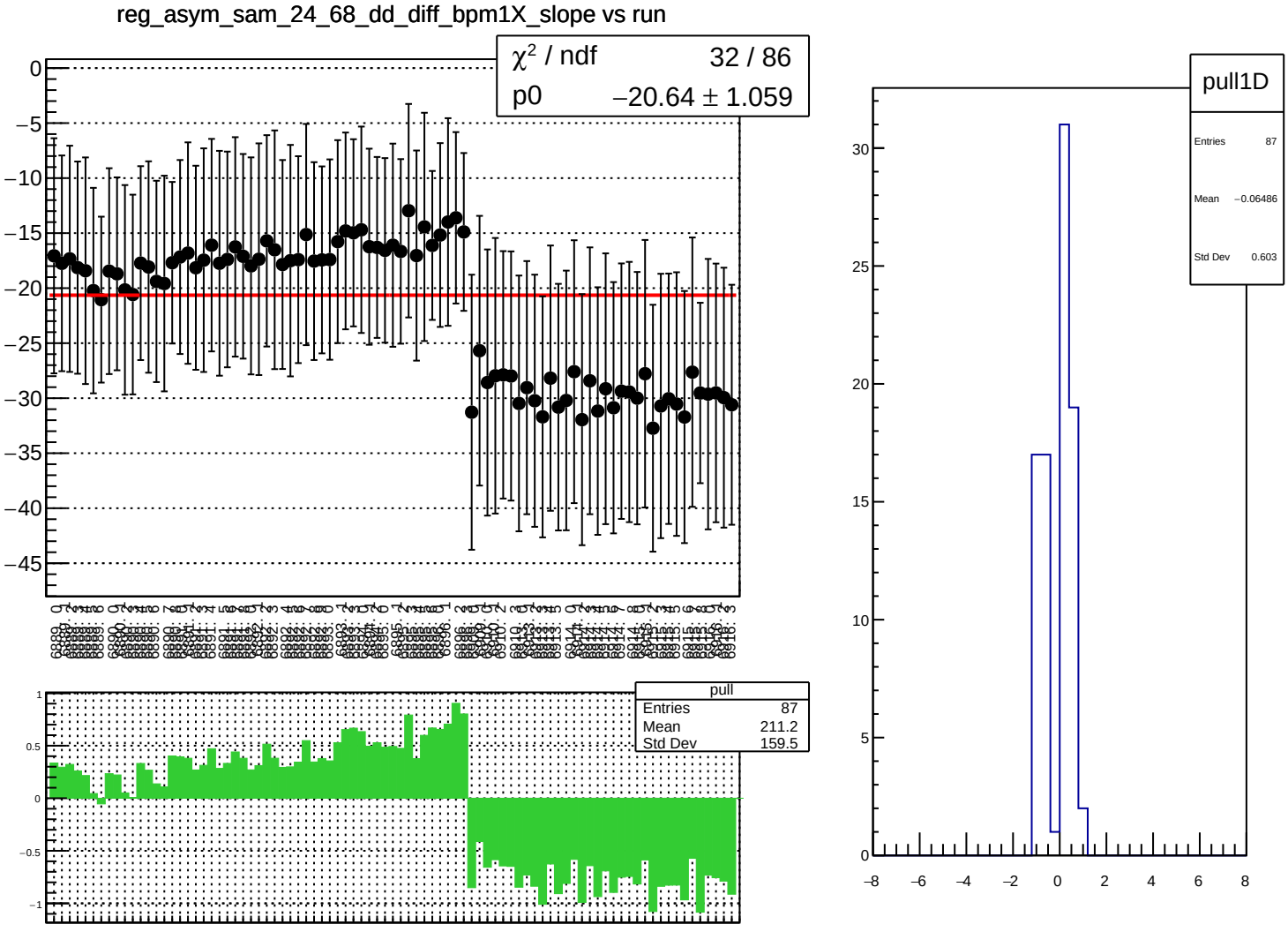

pull1D
Entries 87
Mean −0.04781
Std Dev 0.7009

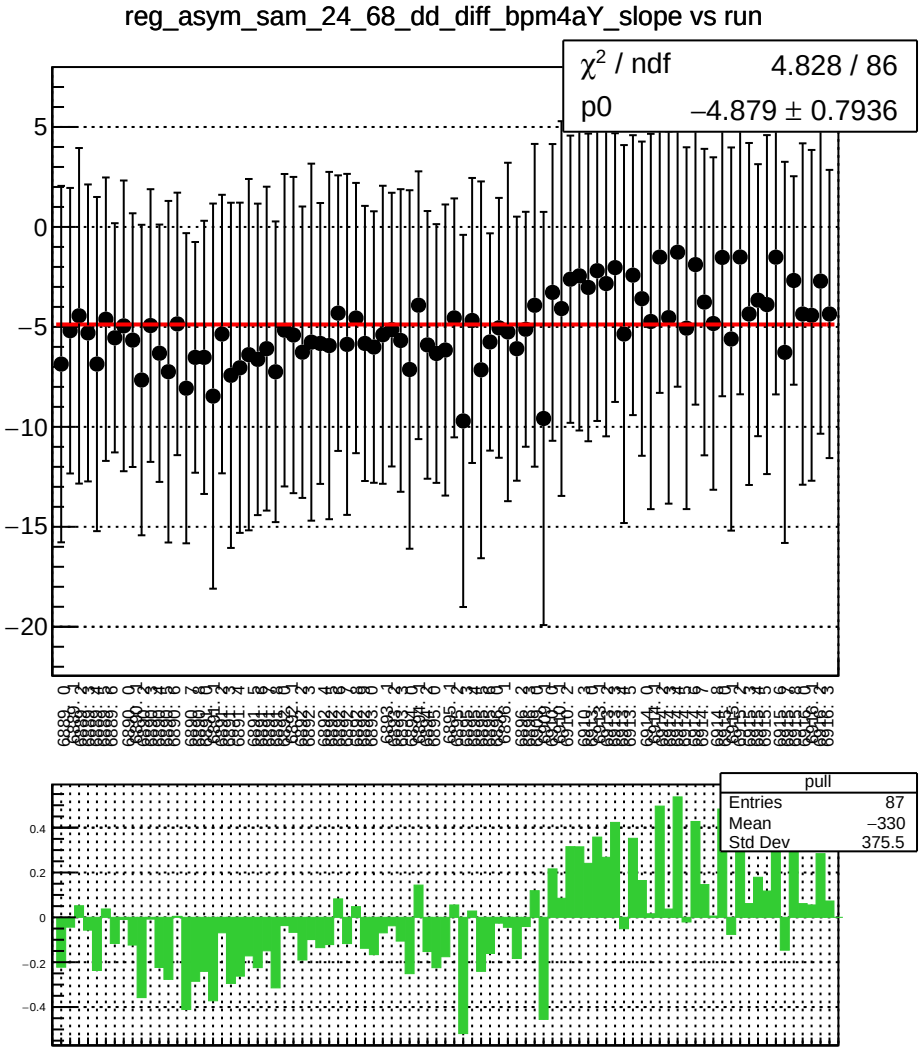

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.091 / 86
p0 20.12 ± 0.3524
pull
Entries 87
Mean −366
Std Dev 400.5

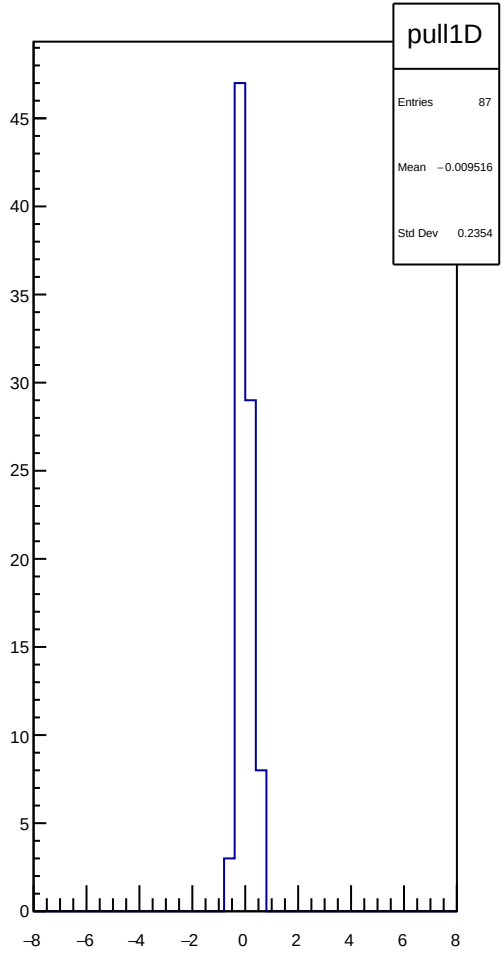

pull1D
Entries 87
Mean −0.002394
Std Dev 0.155

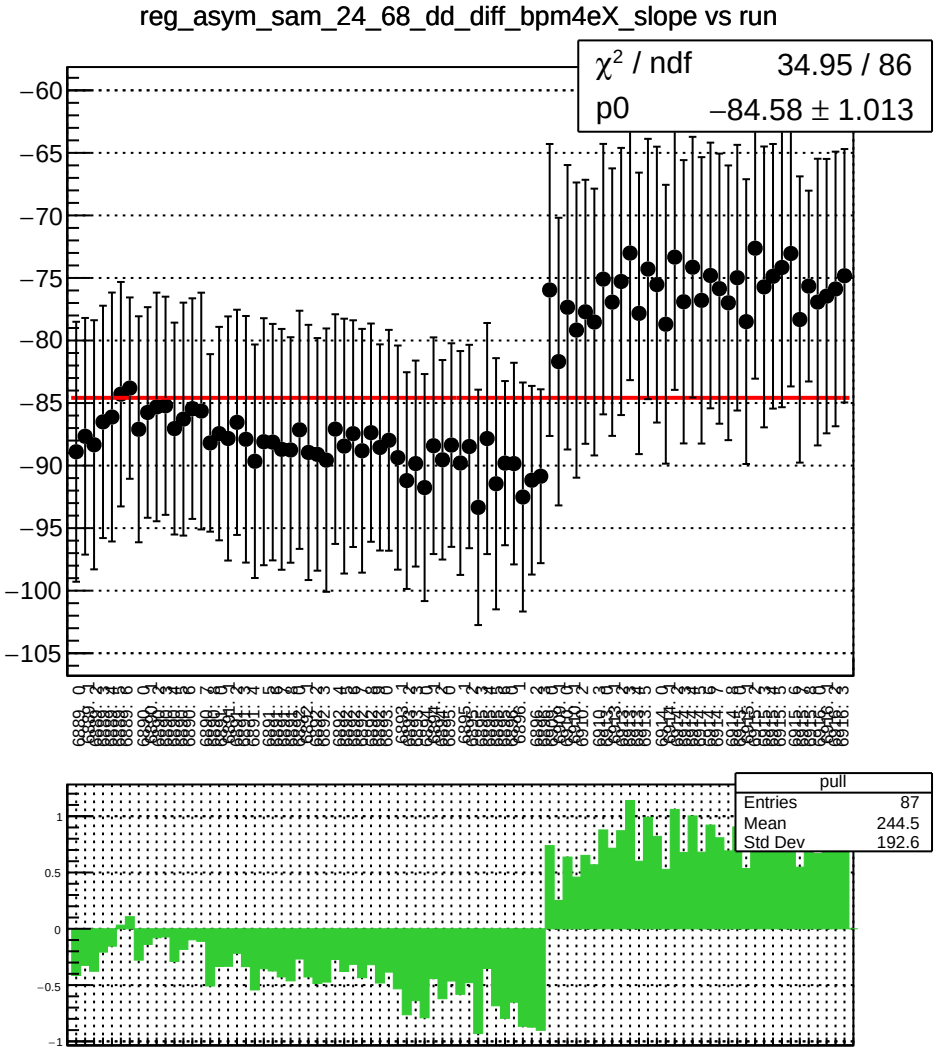

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.821 / 86
p0 −0.1509 ± 0.01551
pull
Entries 87
Mean 247.3
Std Dev 235.8

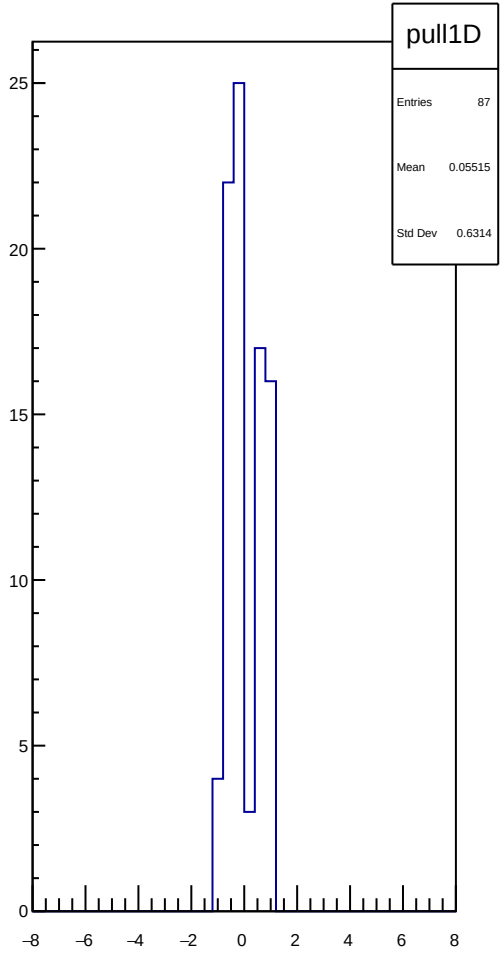

pull1D
Entries 87
Mean 0.004459
Std Dev 0.2095

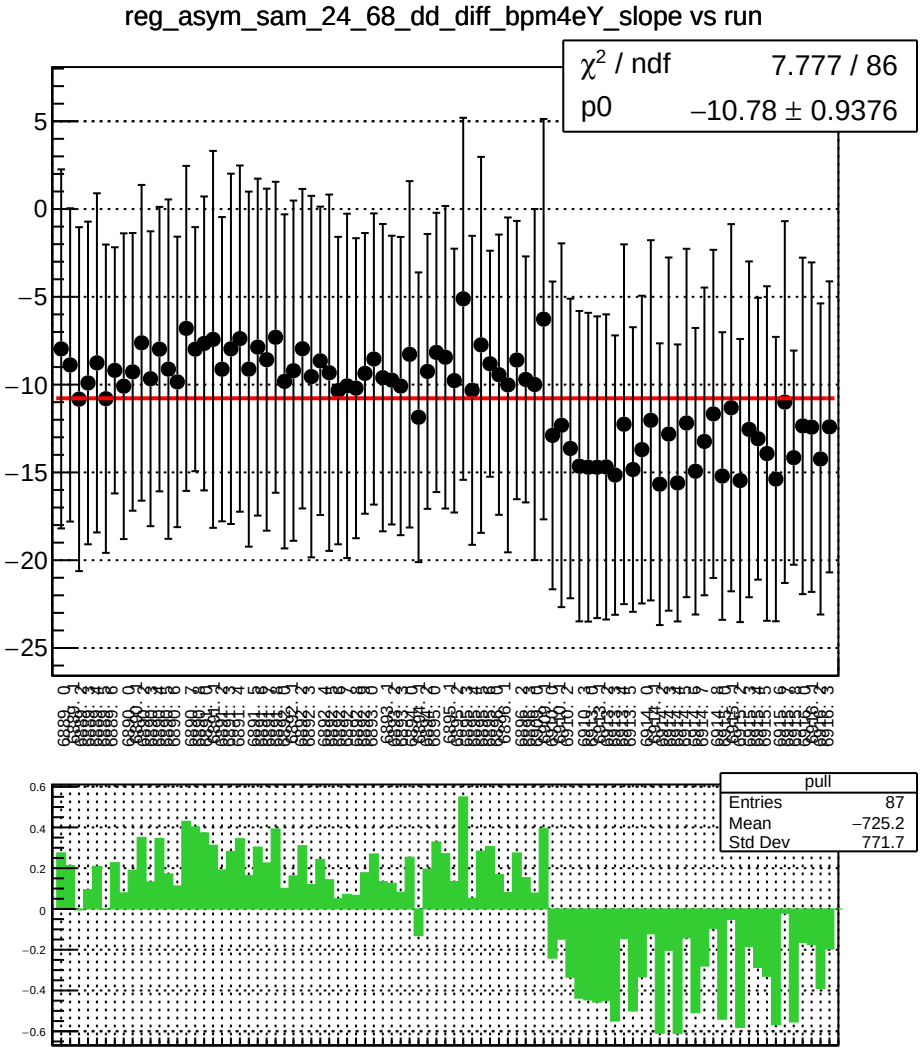

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 32 / 86
p0 −20.64 ± 1.059
pull
Entries 87
Mean 211.2
Std Dev 159.5
pull1D
Entries 87
Mean −0.06486
Std Dev 0.603

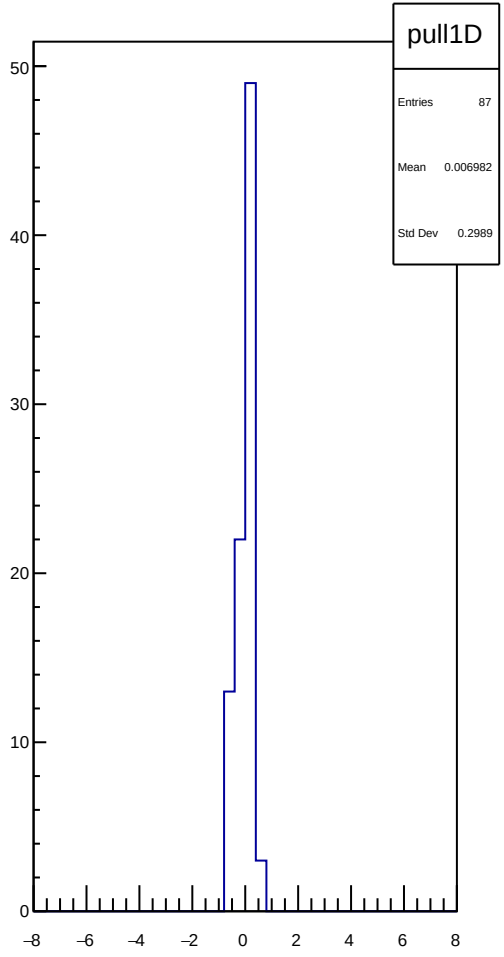

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.828 / 86
p0 −4.879 ± 0.7936
pull
Entries 87
Mean −330
Std Dev 375.5

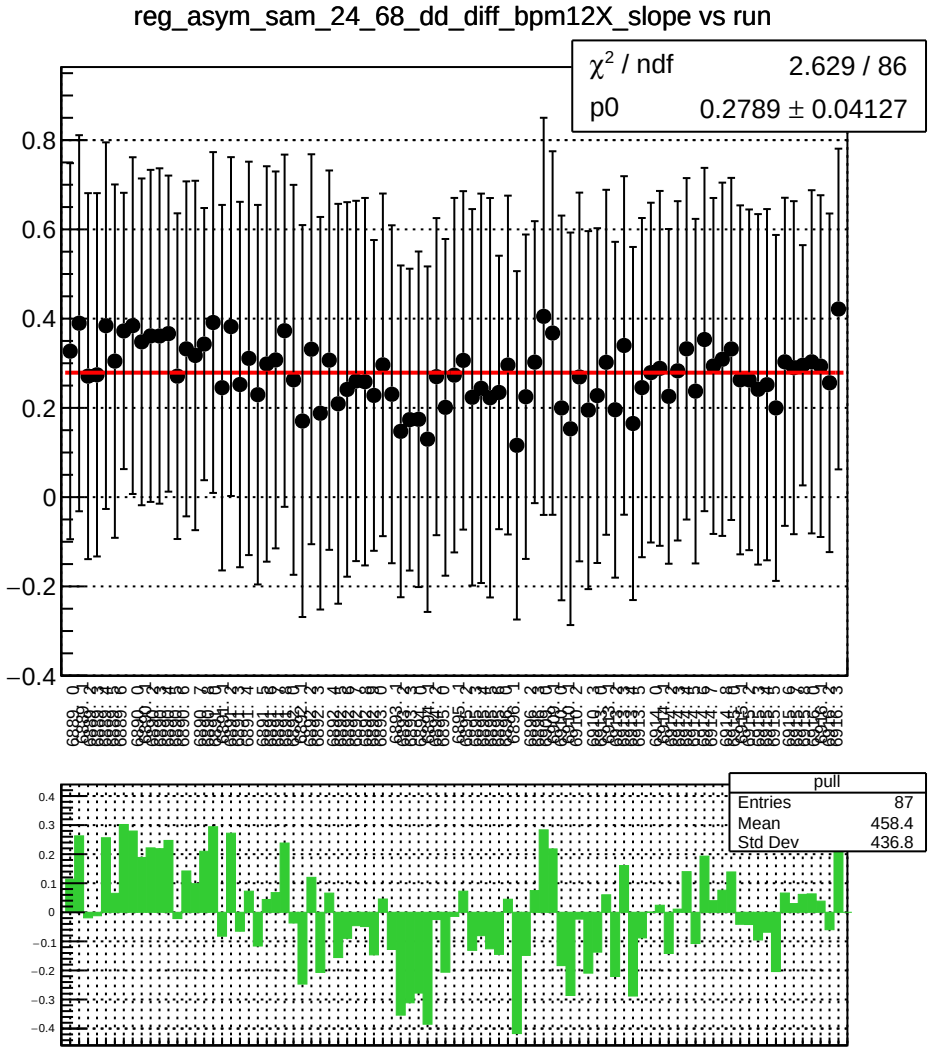

pull1D
Entries 87
Mean −0.009516
Std Dev 0.2354

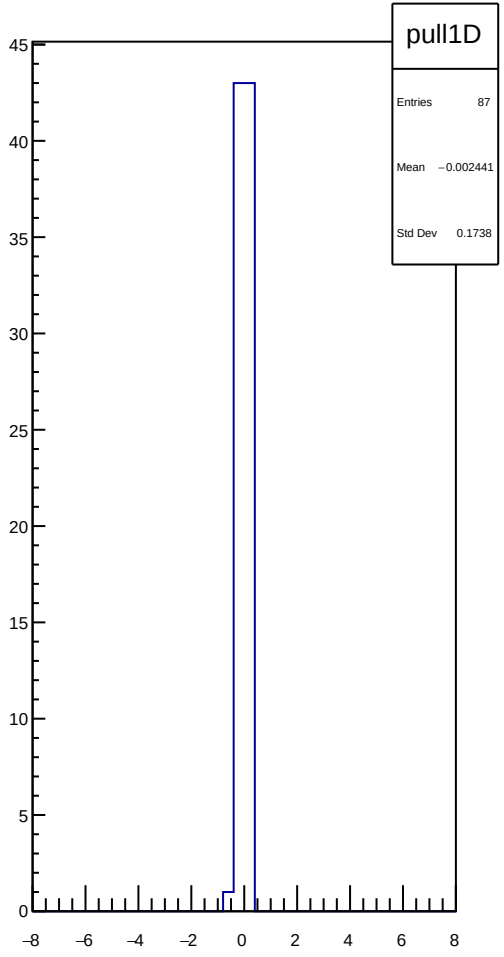

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.95 / 86
p0 −84.58 ± 1.013
pull
Entries 87
Mean 244.5
Std Dev 192.6


pull1D
Entries 87
Mean 0.05515
Std Dev 0.6314

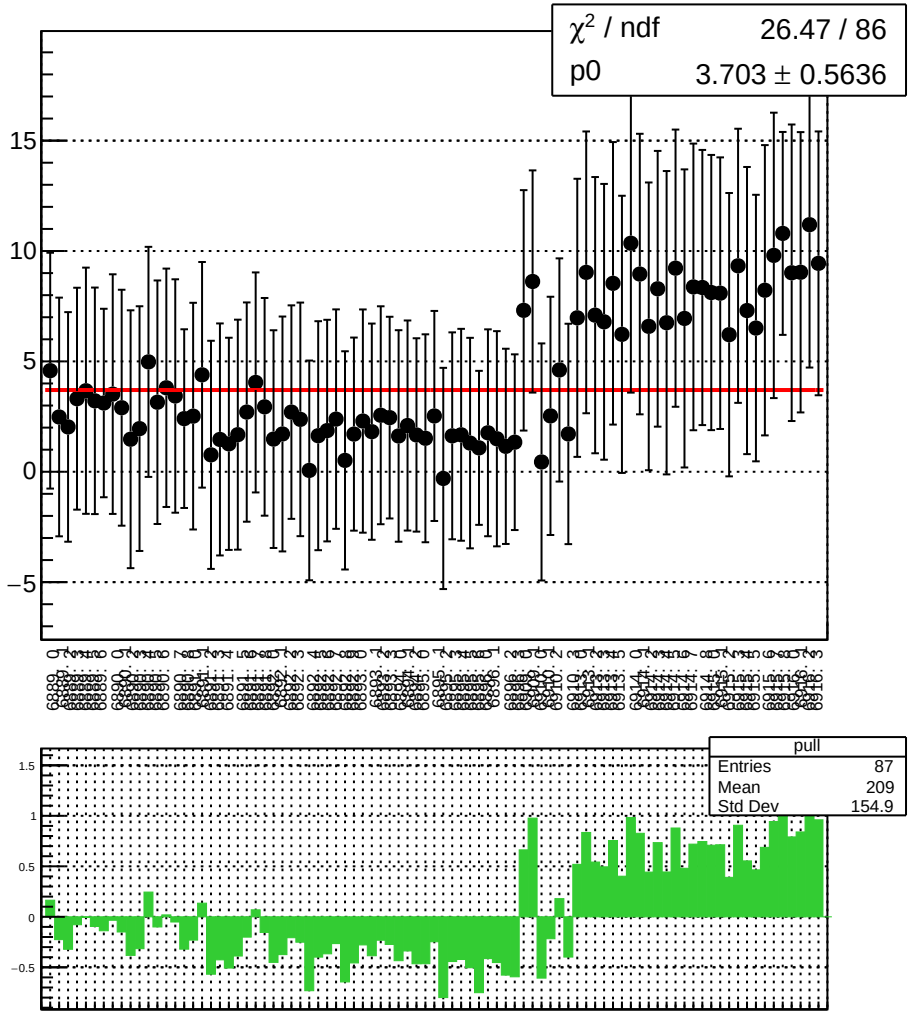

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.777 / 86
p0 −10.78 ± 0.9376
pull
Entries 87
Mean −725.2
Std Dev 771.7

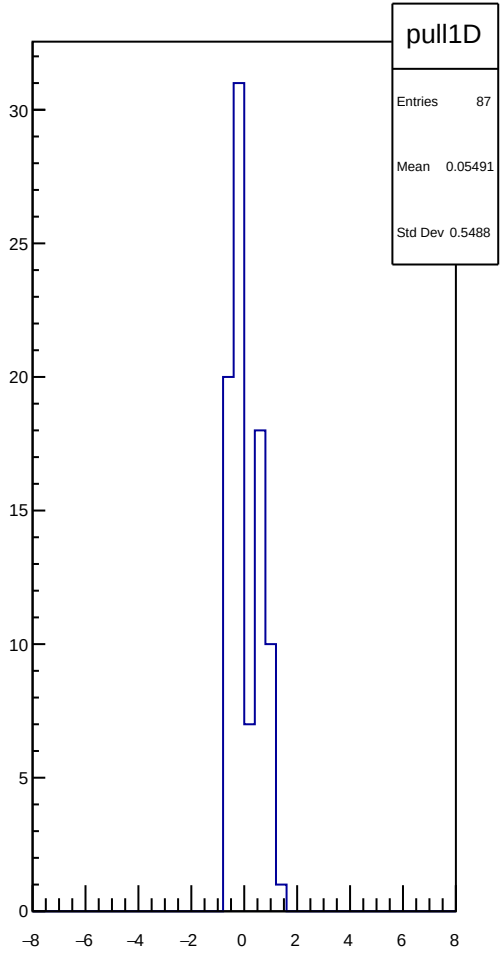

pull1D
Entries 87
Mean 0.006982
Std Dev 0.2989

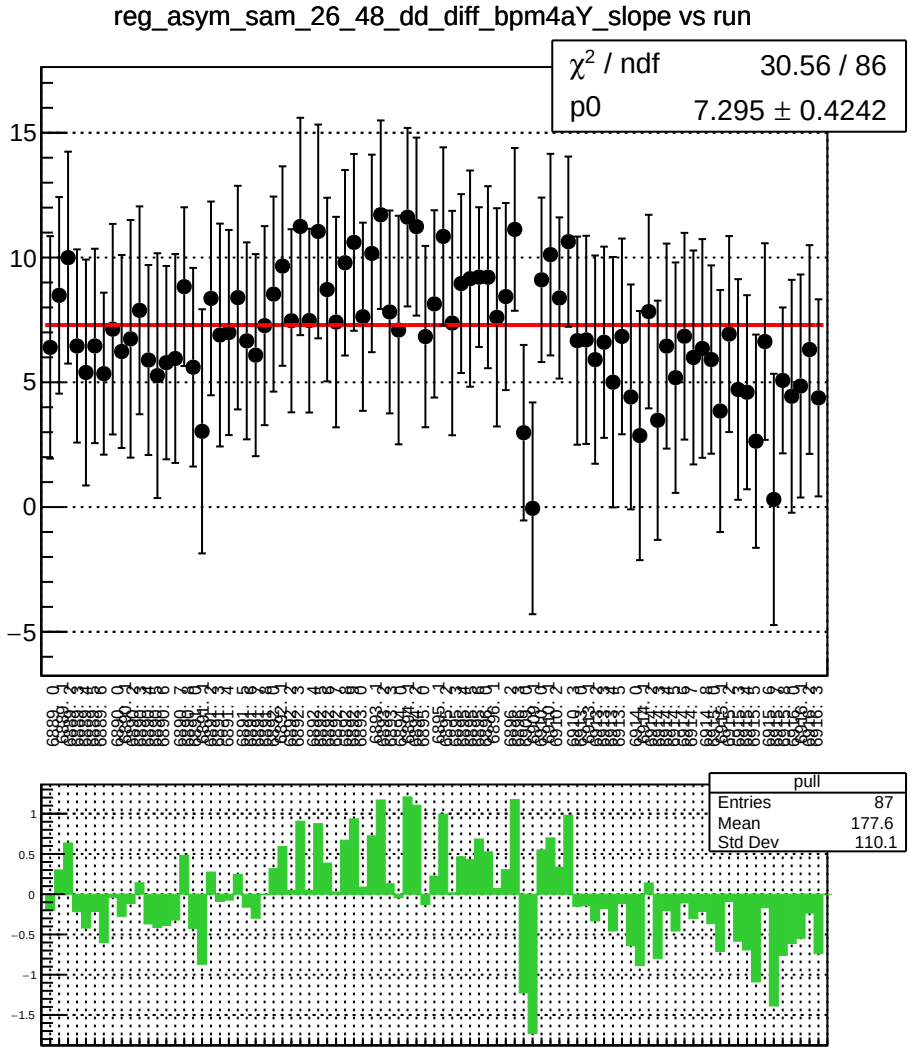

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.629 / 86
p0 0.2789 ± 0.04127
pull
Entries 87
Mean 458.4
Std Dev 436.8

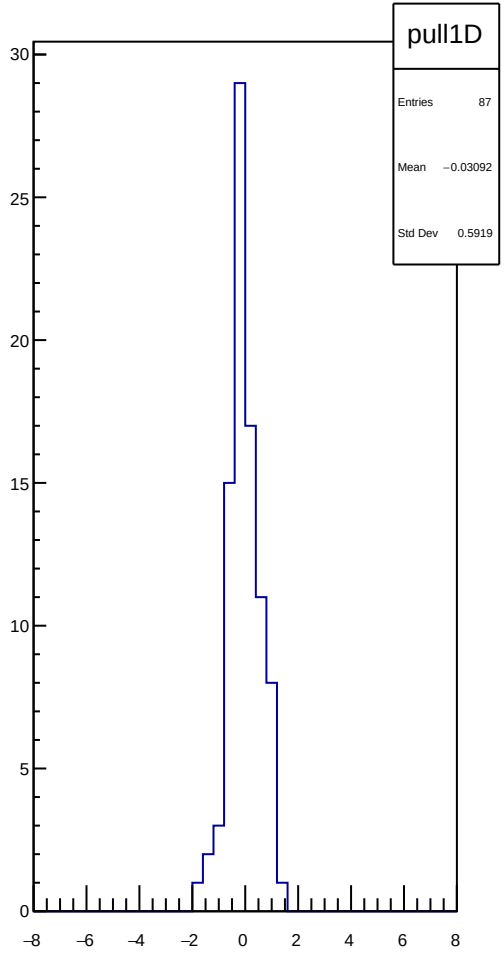

pull1D
Entries 87
Mean −0.002441
Std Dev 0.1738

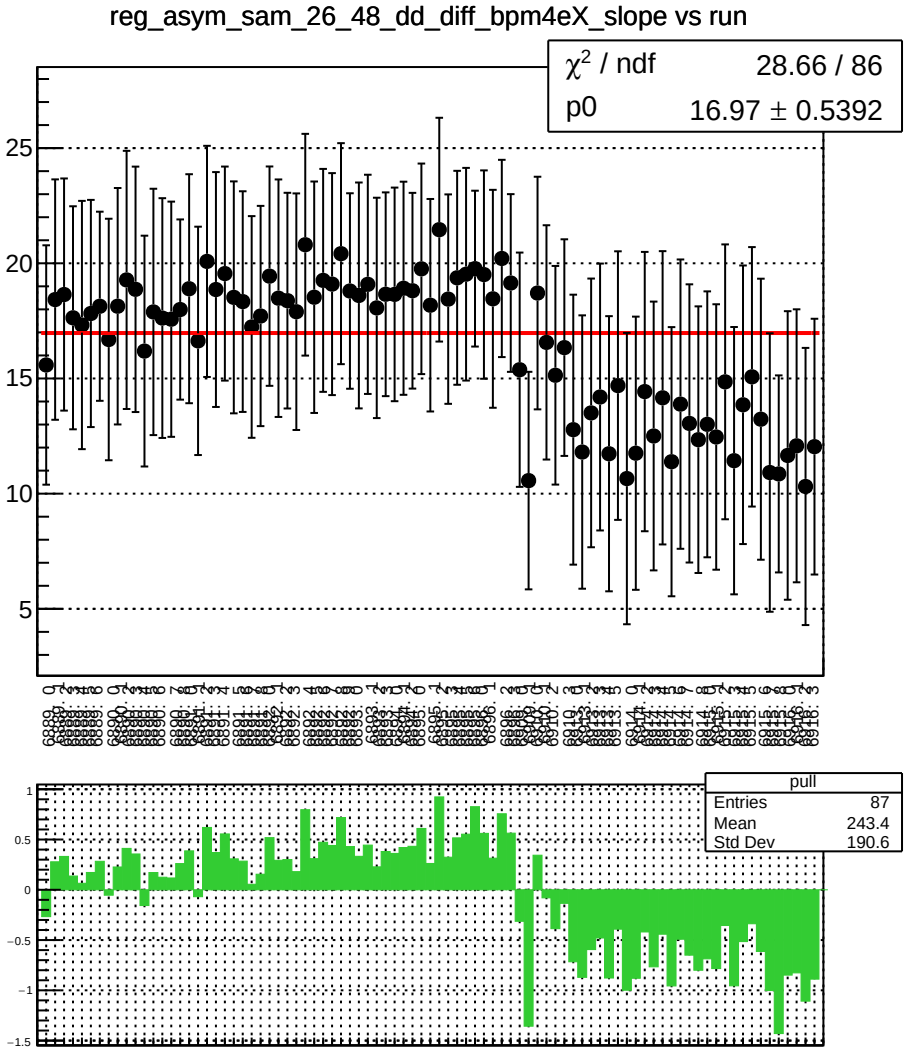
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run

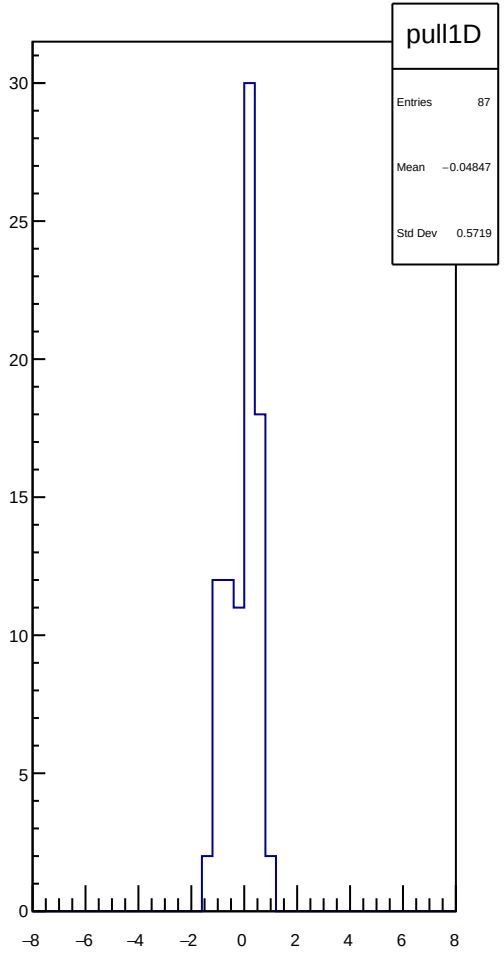


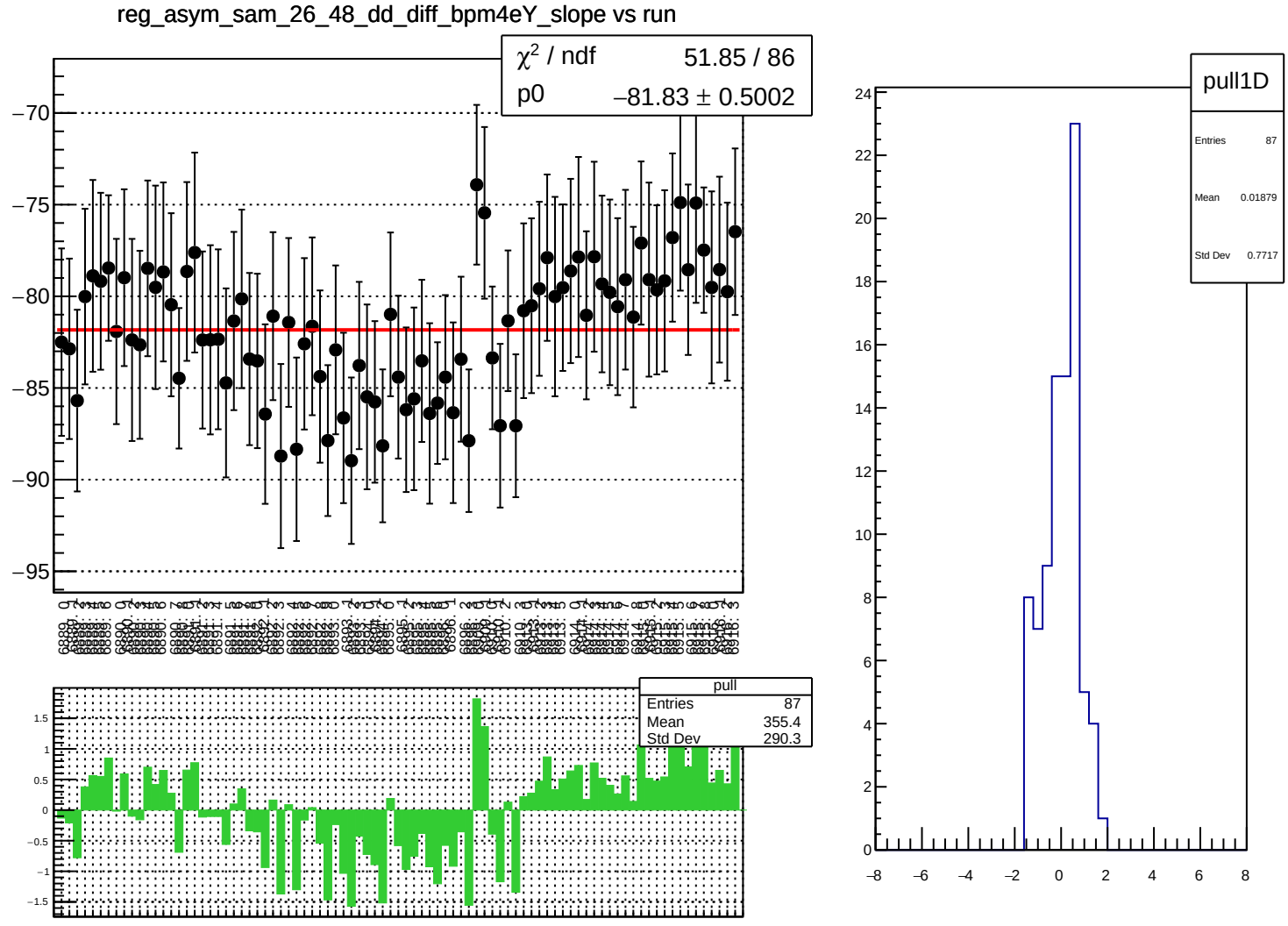


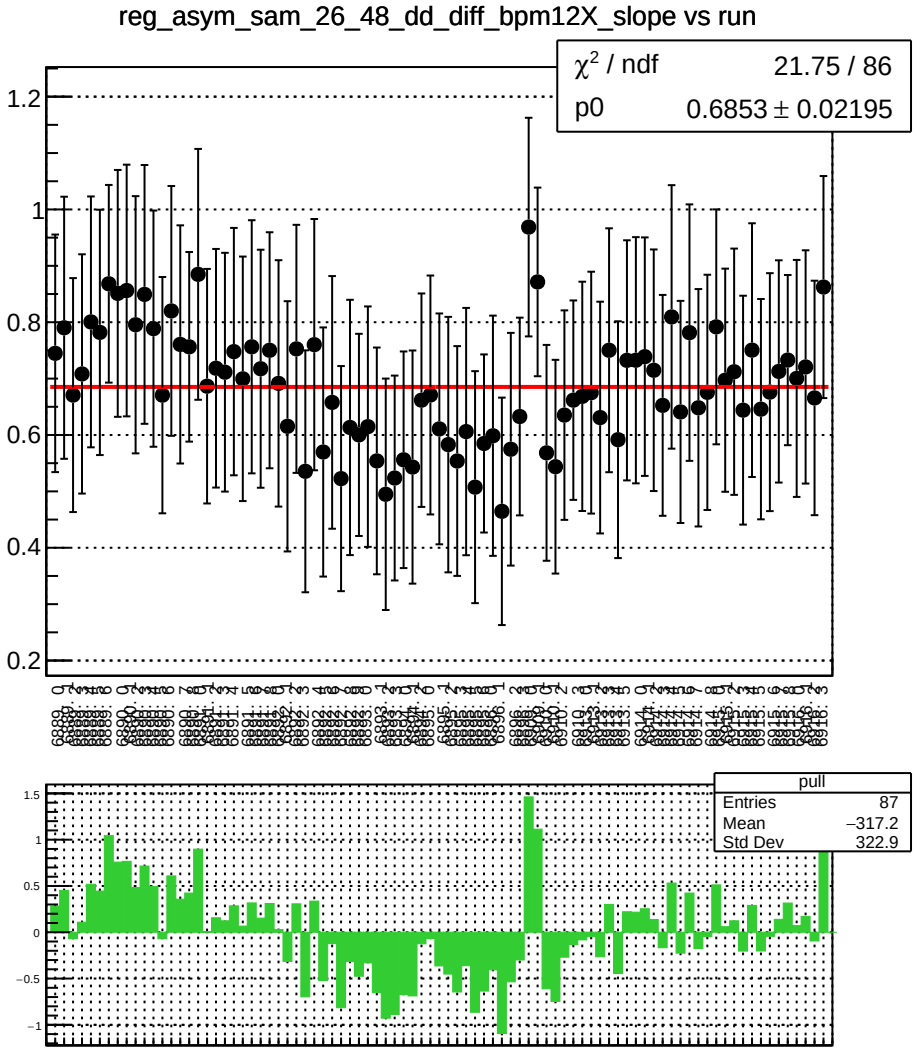

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.56 / 86
p0 7.295 ± 0.4242
pull
Entries 87
Mean 177.6
Std Dev 110.1

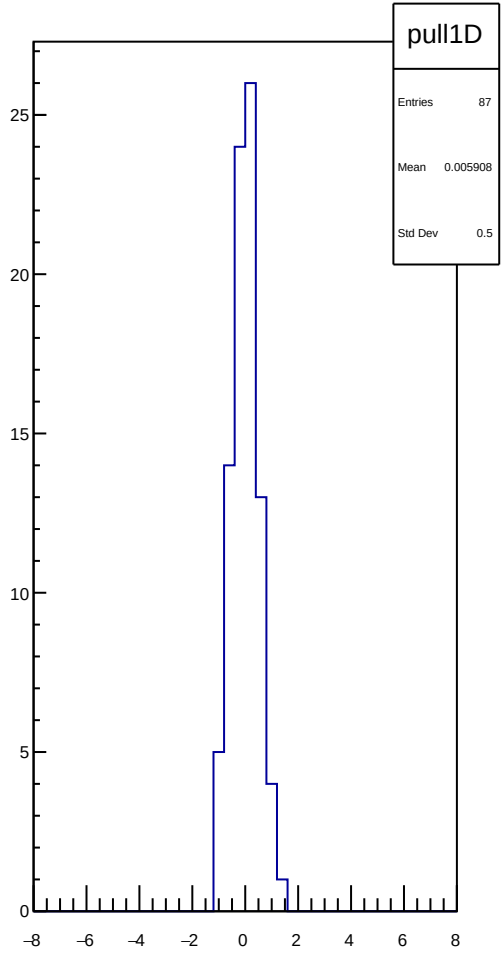

pull1D
Entries 87
Mean −0.03092
Std Dev 0.5919

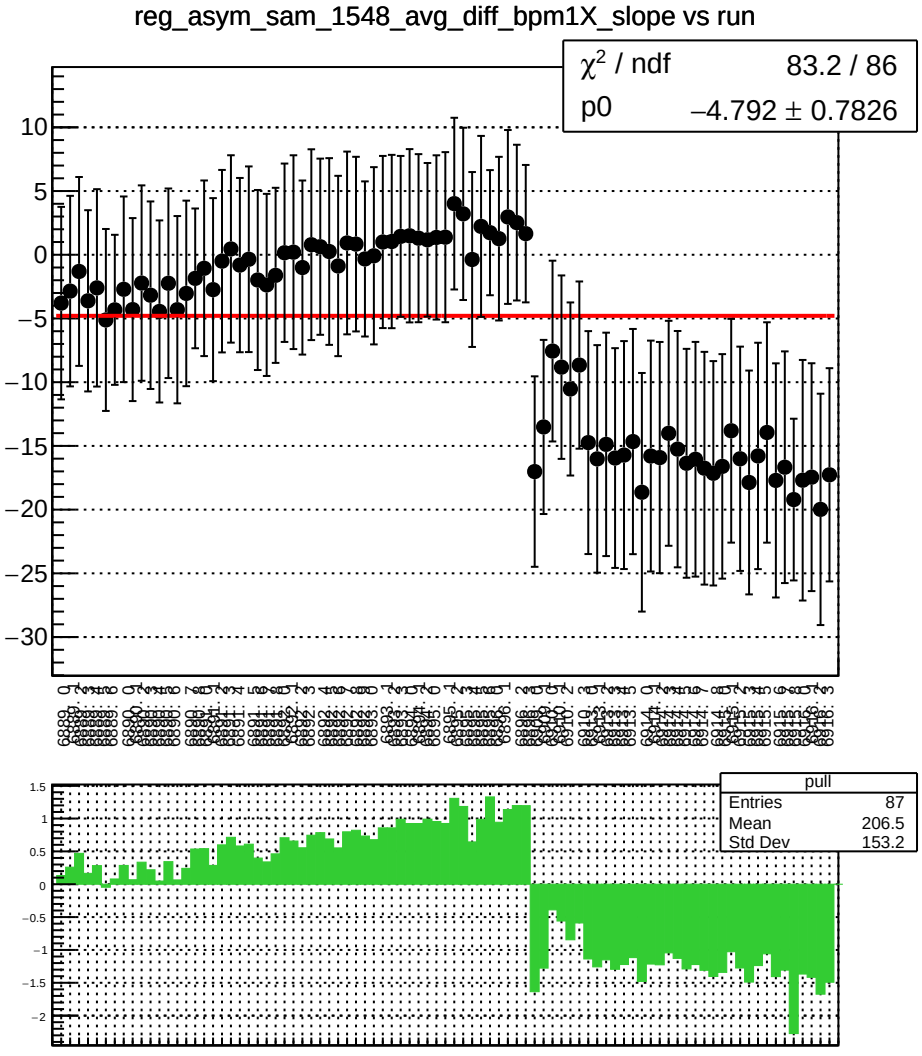

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.66 / 86
p0 16.97 ± 0.5392
pull
Entries 87
Mean 243.4
Std Dev 190.6

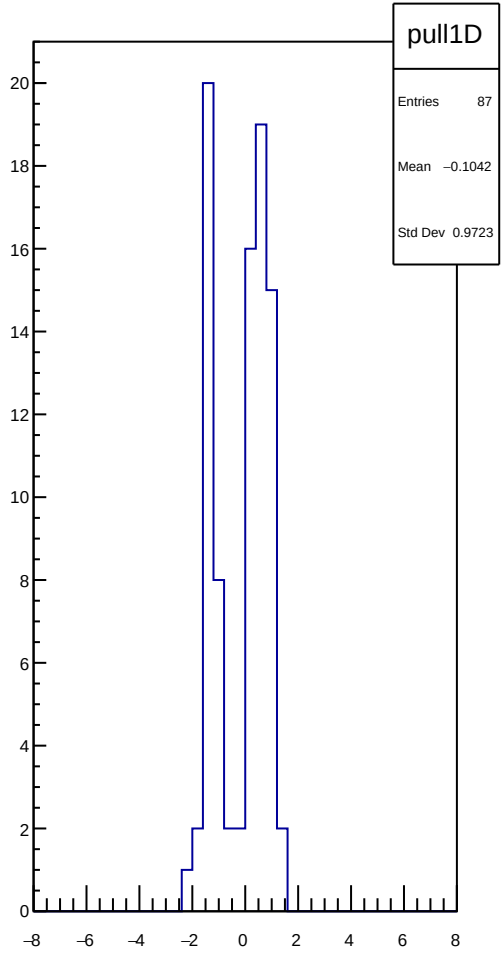

pull1D
Entries 87
Mean −0.04847
Std Dev 0.5719

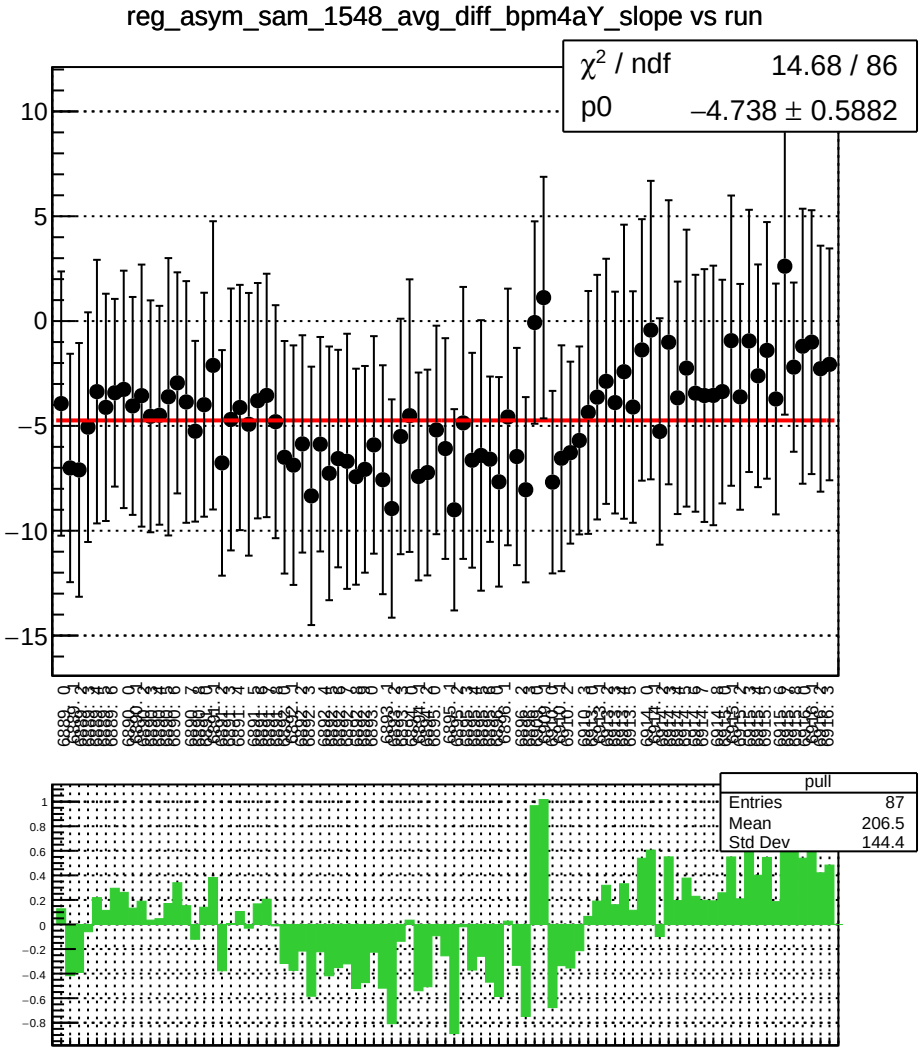

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.85 / 86
p0 −81.83 ± 0.5002
pull
Entries 87
Mean 355.4
Std Dev 290.3
pull1D
Entries 87
Mean 0.01879
Std Dev 0.7717

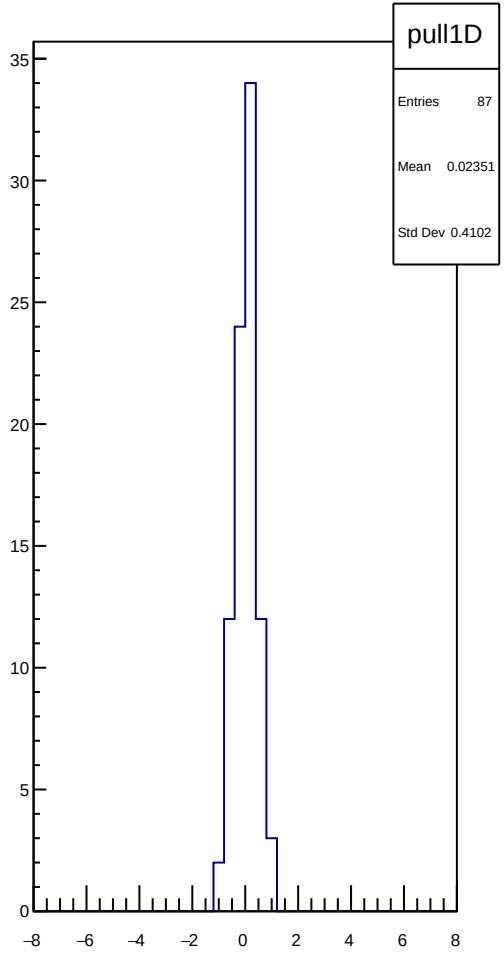

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 21.75 / 86
p0 0.6853 ± 0.02195
pull
Entries 87
Mean −317.2
Std Dev 322.9

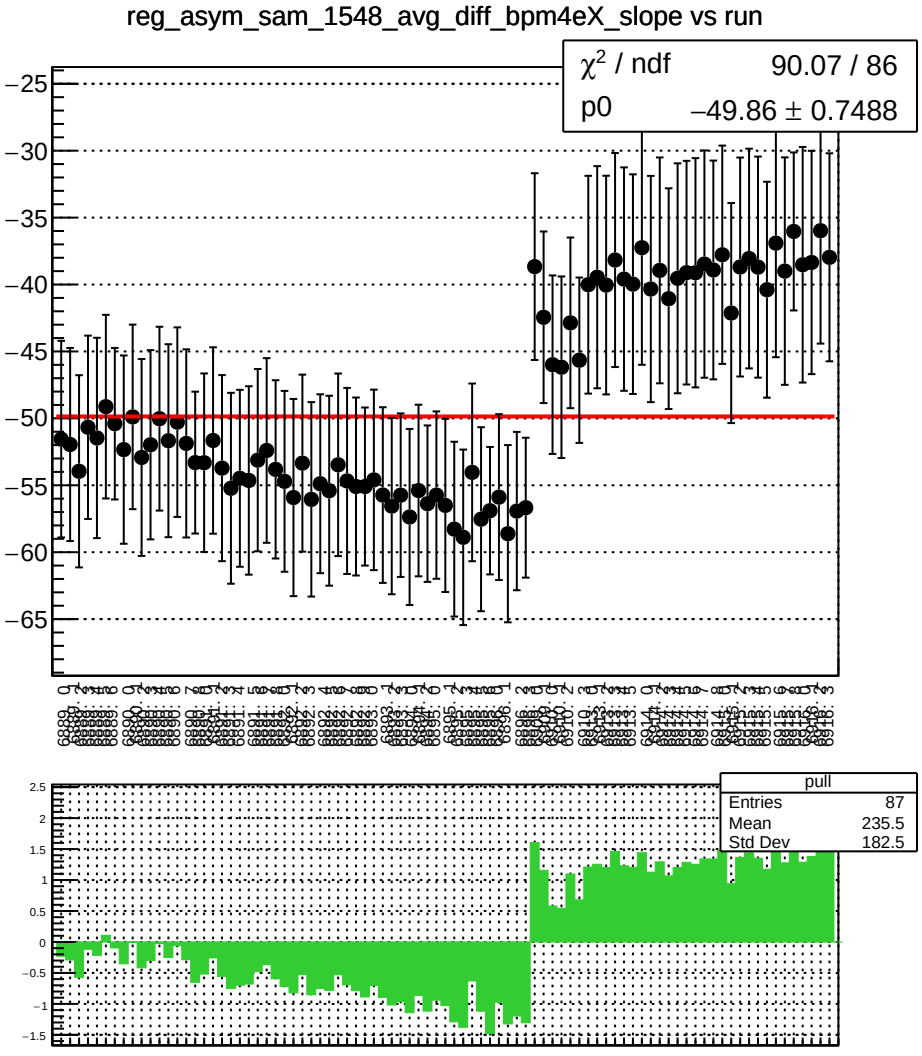

pull1D
Entries 87
Mean 0.005908
Std Dev 0.5

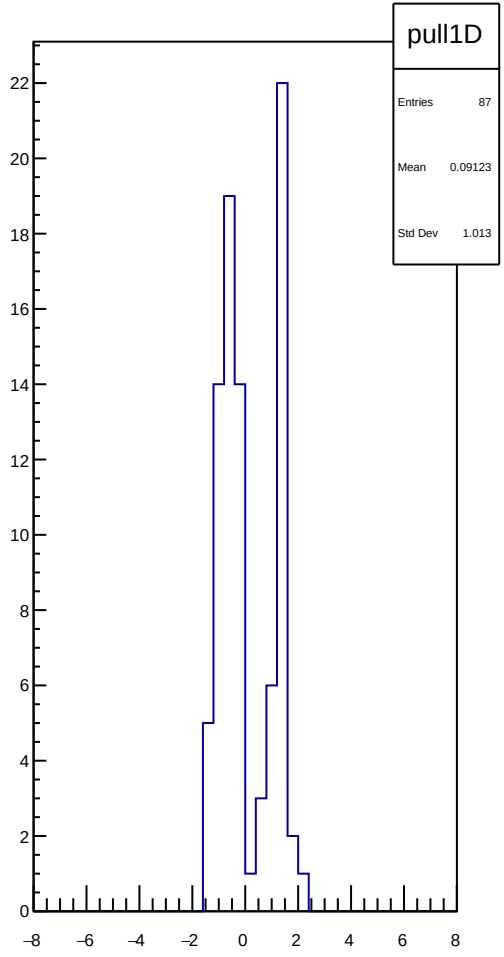

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 83.2 / 86
p0 −4.792 ± 0.7826
pull
Entries 87
Mean 206.5
Std Dev 153.2

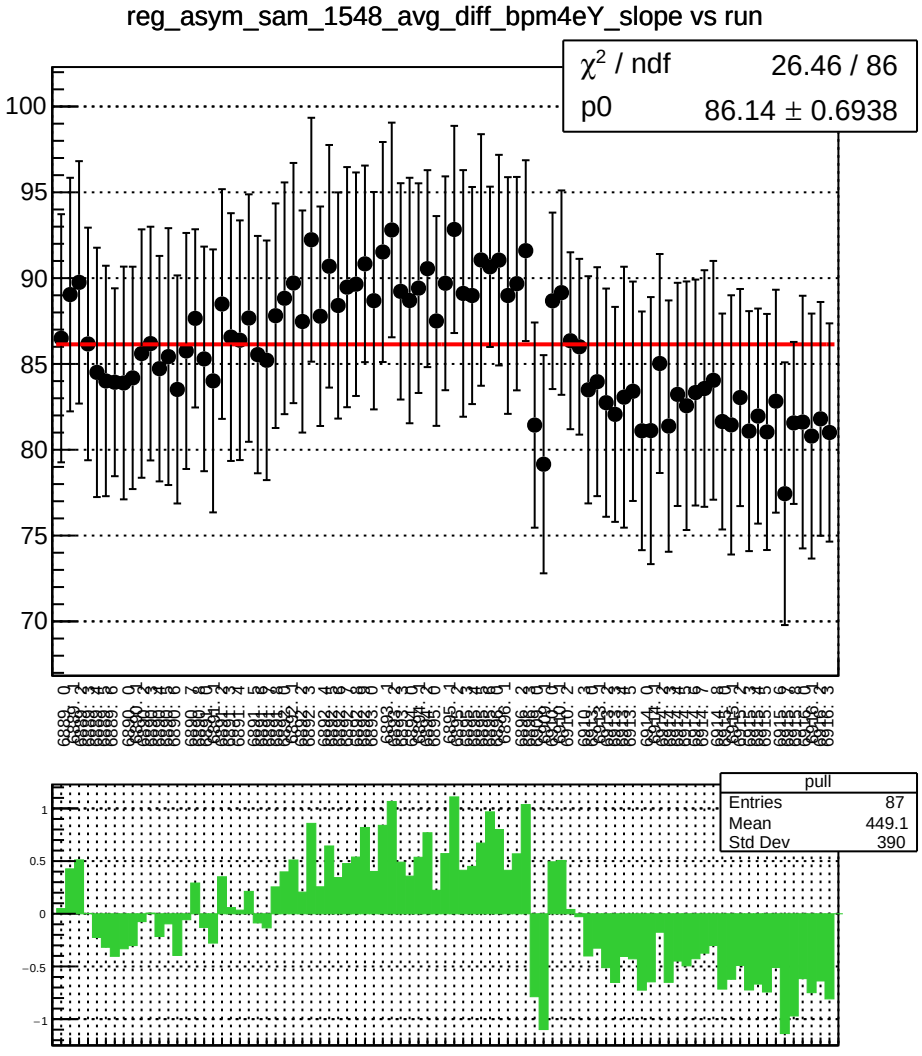

pull1D
Entries 87
Mean −0.1042
Std Dev 0.9723

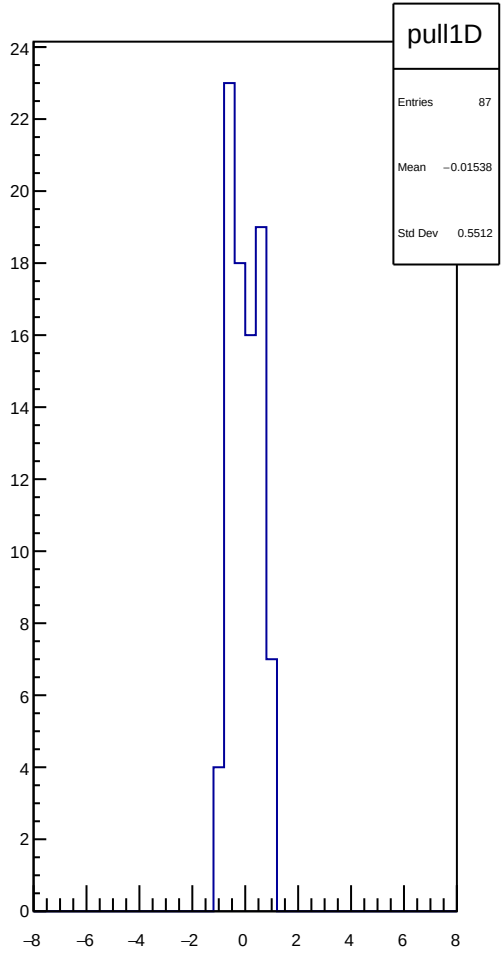

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.68 / 86
p0 −4.738 ± 0.5882
pull
Entries 87
Mean 206.5
Std Dev 144.4

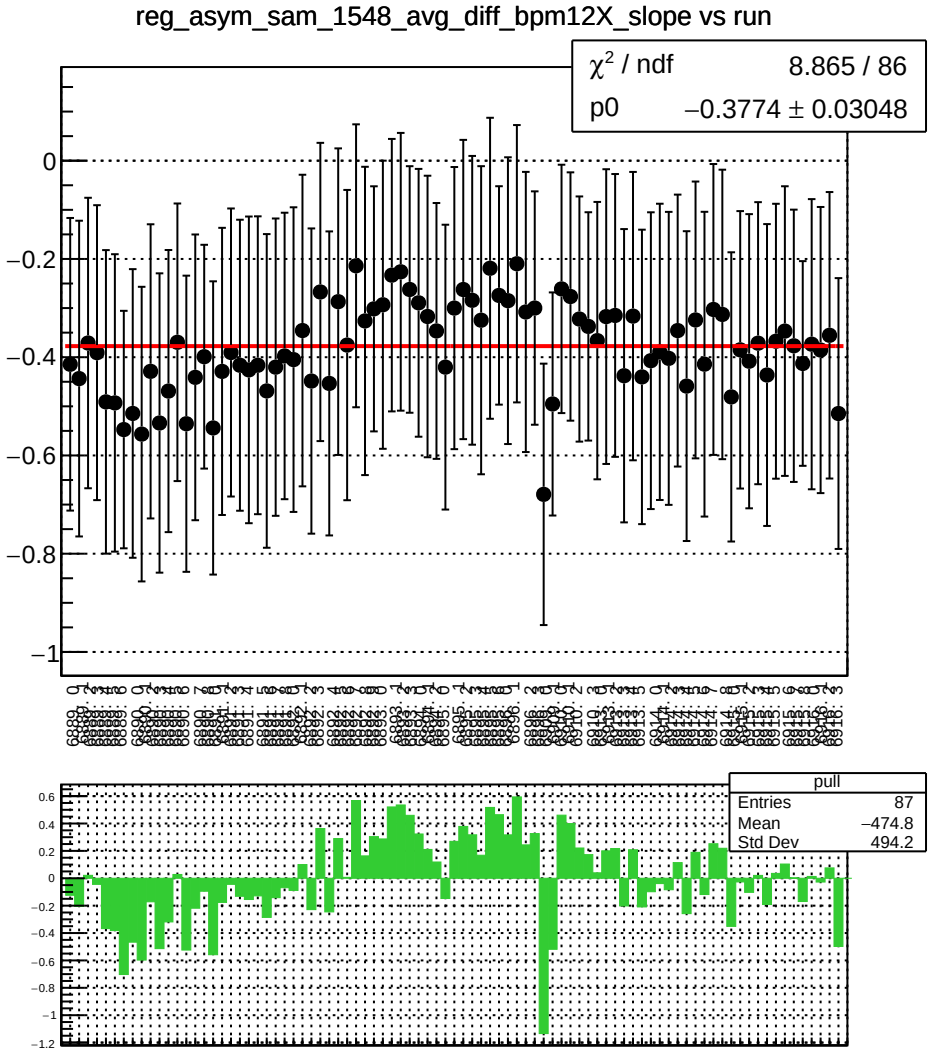

pull1D
Entries 87
Mean 0.02351
Std Dev 0.4102

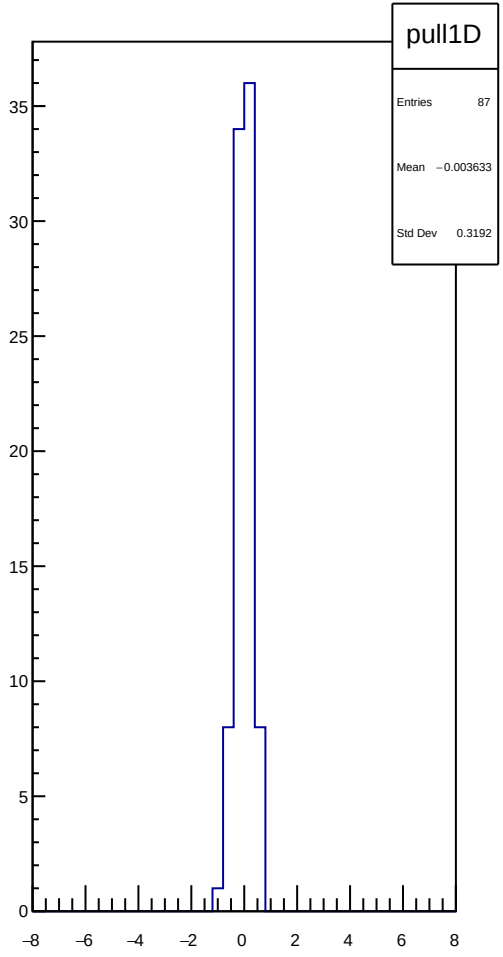

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.07 / 86
p0 −49.86 ± 0.7488
pull
Entries 87
Mean 235.5
Std Dev 182.5

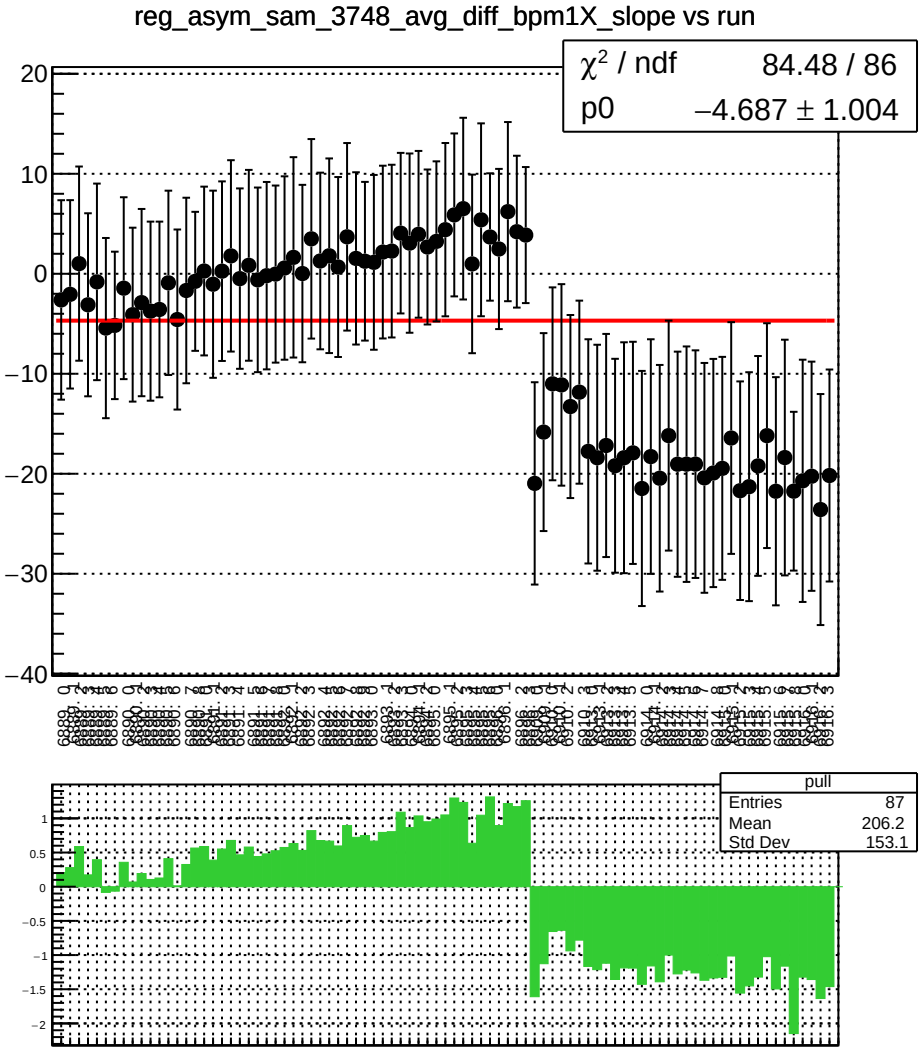

pull1D
Entries 87
Mean 0.09123
Std Dev 1.013

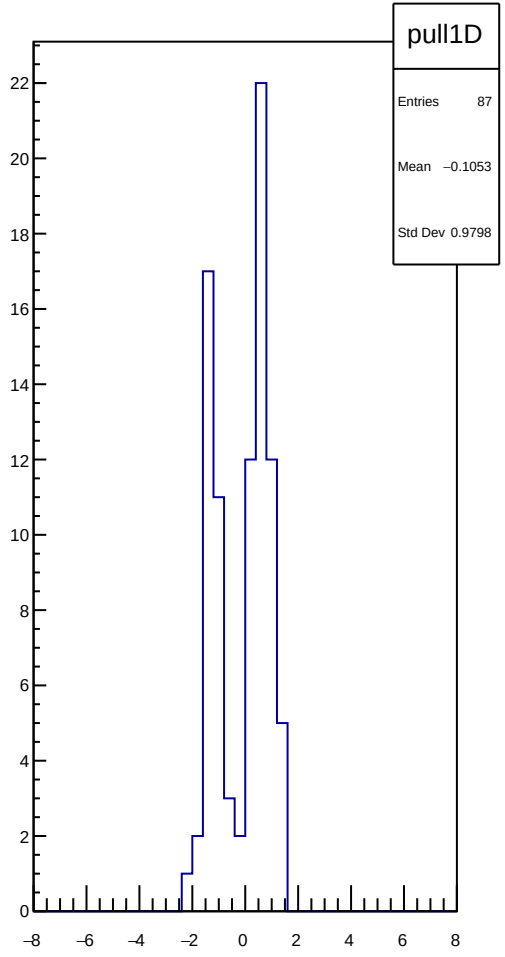

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.46 / 86
p0 86.14 ± 0.6938
pull
Entries 87
Mean 449.1
Std Dev 390

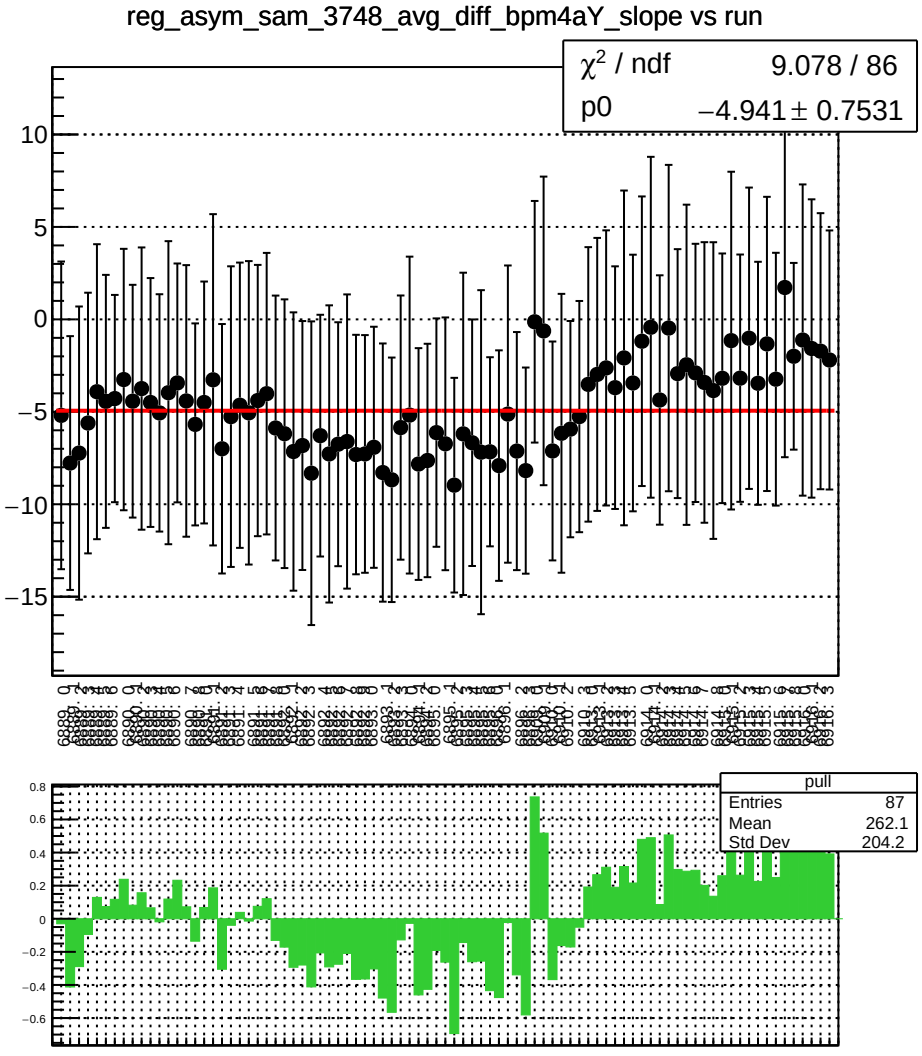

pull1D
Entries 87
Mean −0.01538
Std Dev 0.5512

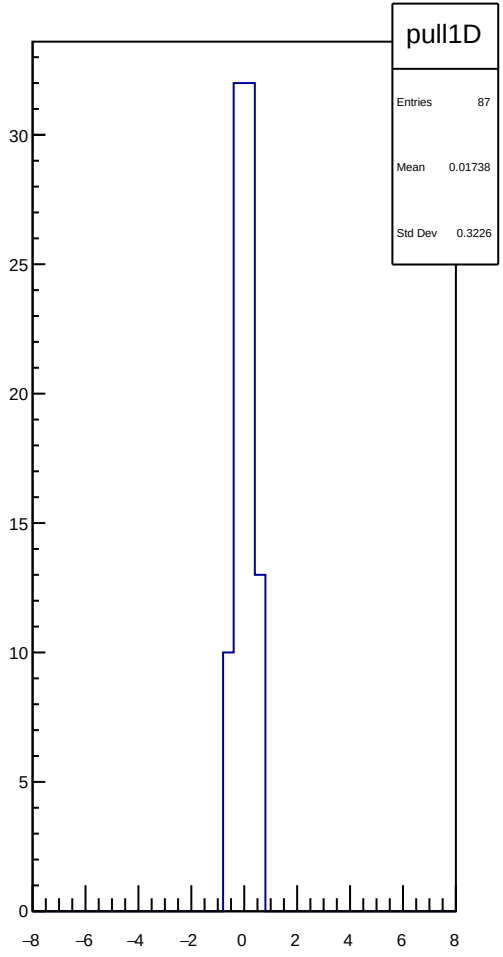

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 8.865 / 86
p0 −0.3774 ± 0.03048
pull
Entries 87
Mean −474.8
Std Dev 494.2

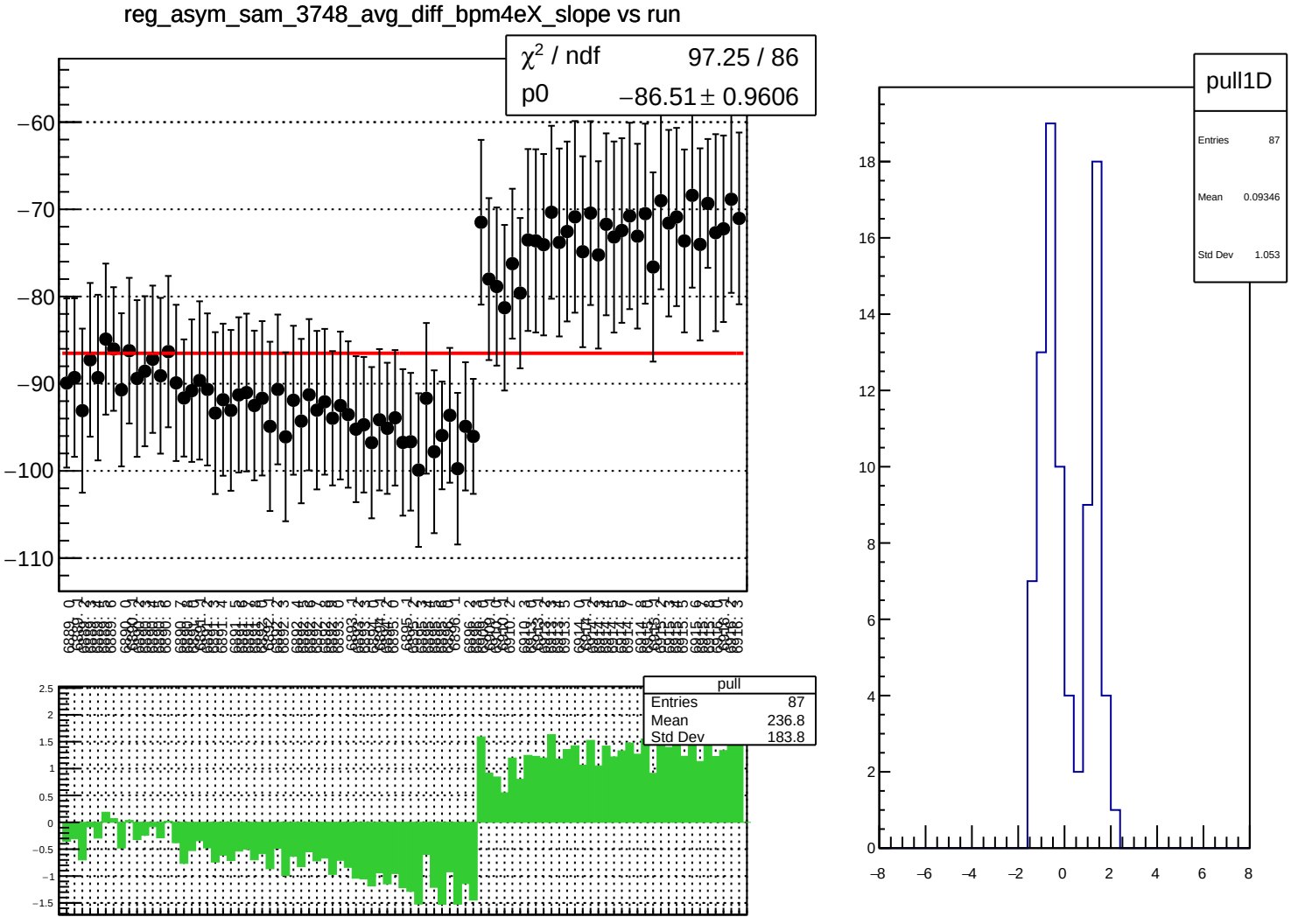

pull1D
Entries 87
Mean −0.003633
Std Dev 0.3192

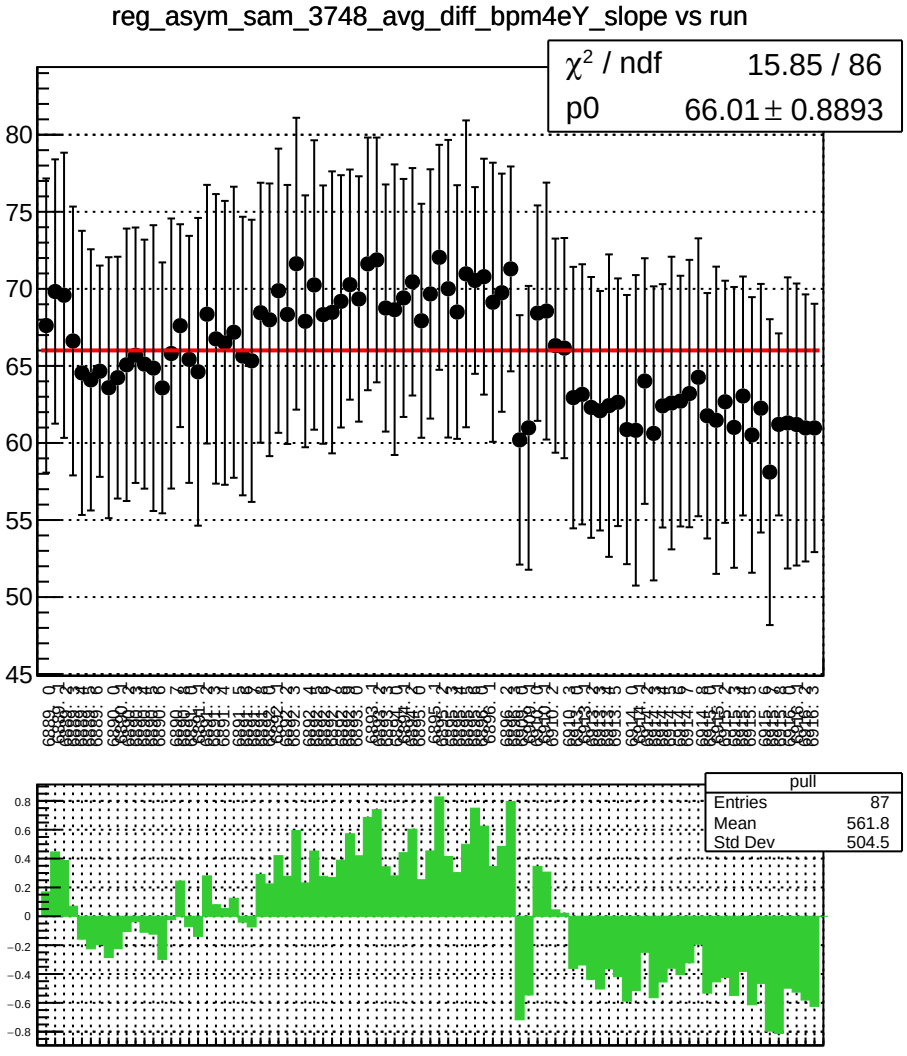

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 84.48 / 86
p0 −4.687 ± 1.004
pull
Entries 87
Mean 206.2
Std Dev 153.1

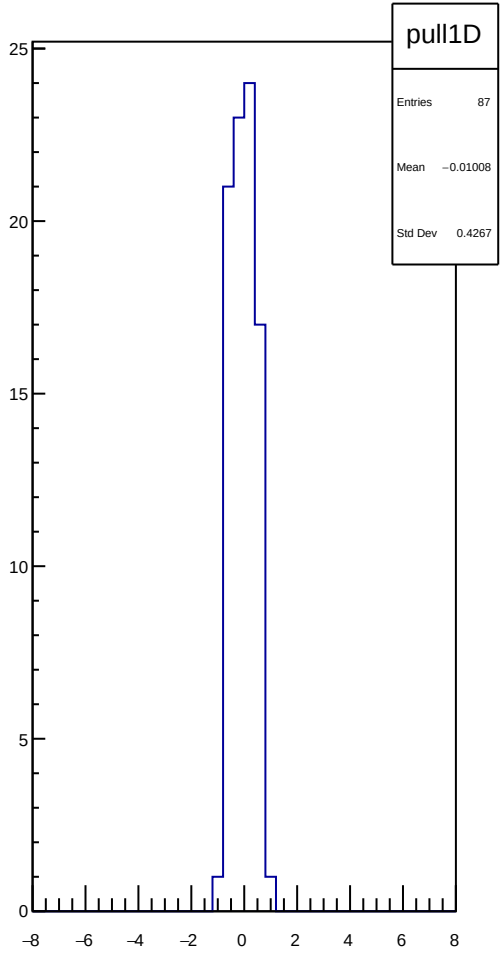

pull1D
Entries 87
Mean −0.1053
Std Dev 0.9798

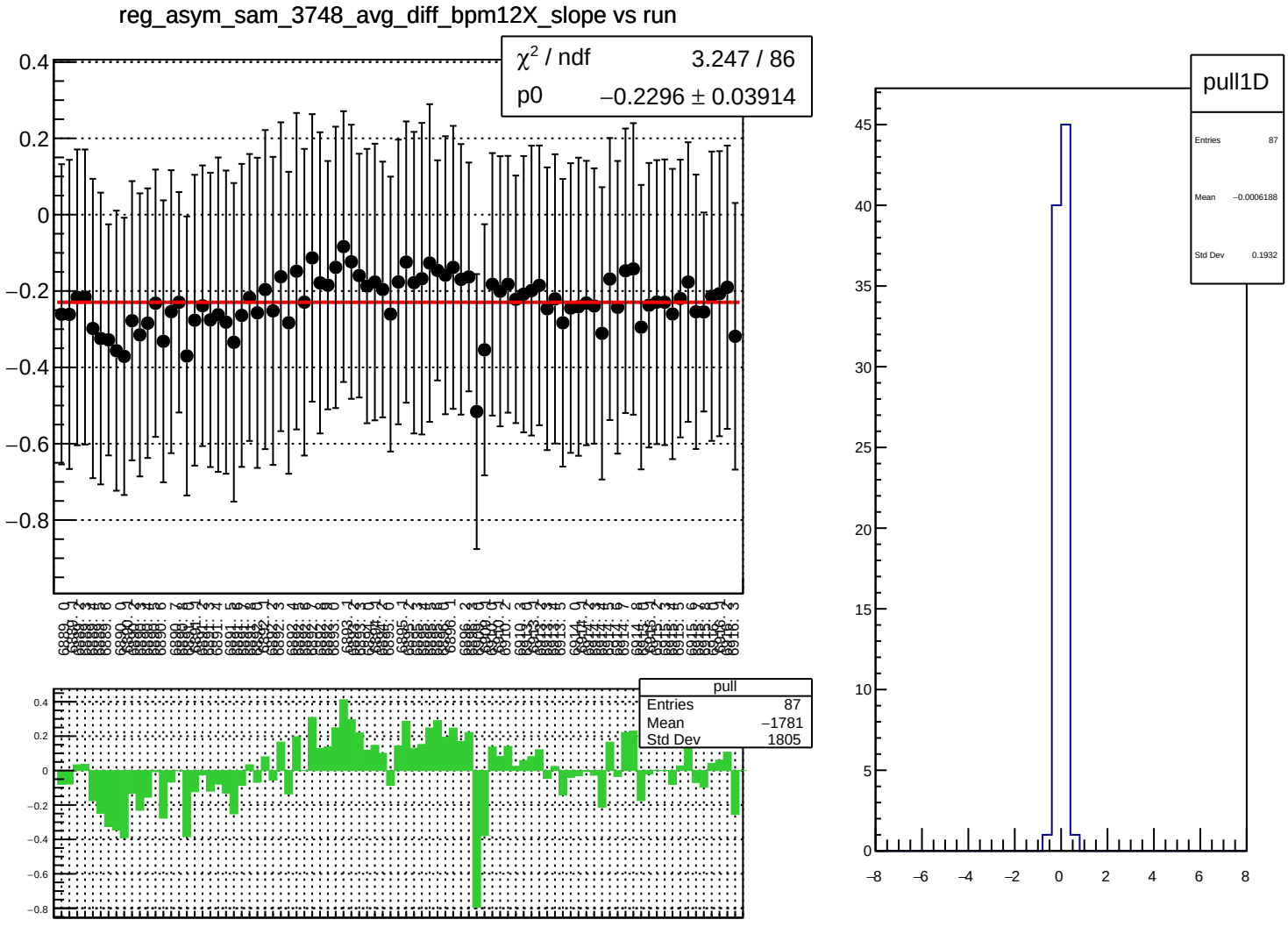

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.078 / 86
p0 −4.941 ± 0.7531
pull
Entries 87
Mean 262.1
Std Dev 204.2

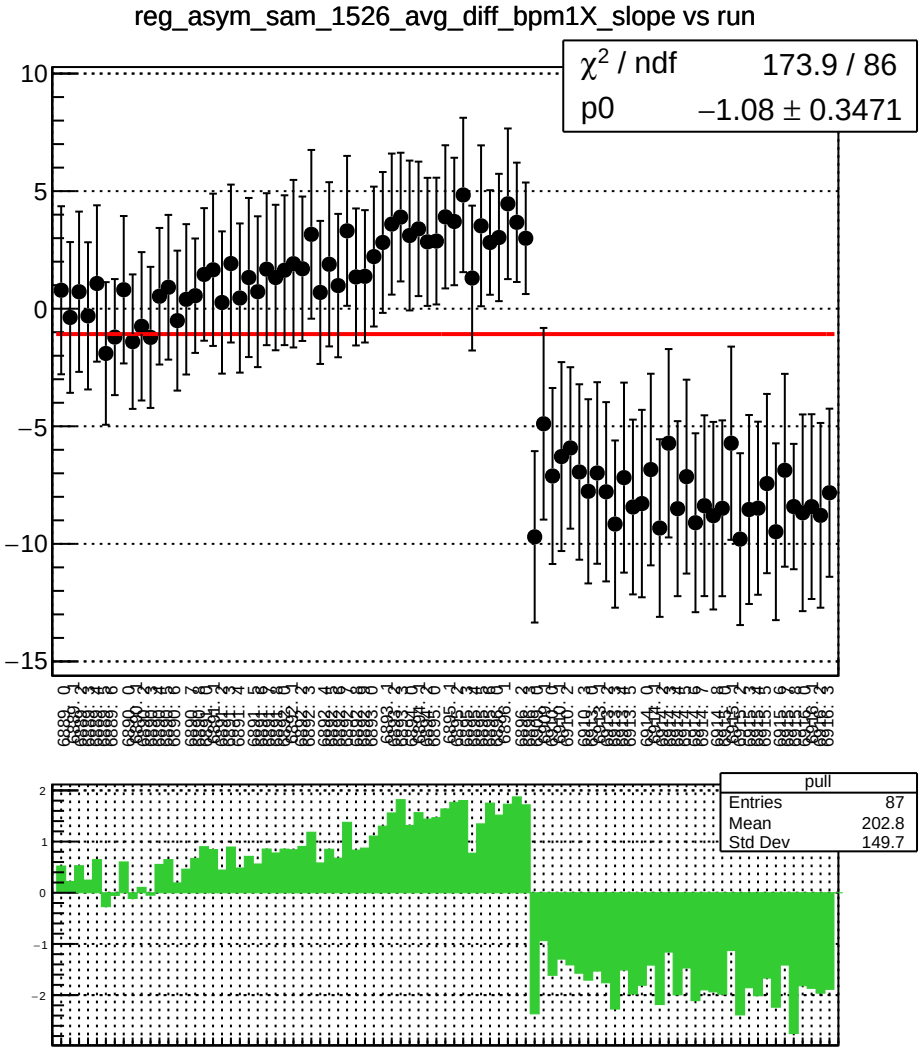

pull1D
Entries 87
Mean 0.01738
Std Dev 0.3226

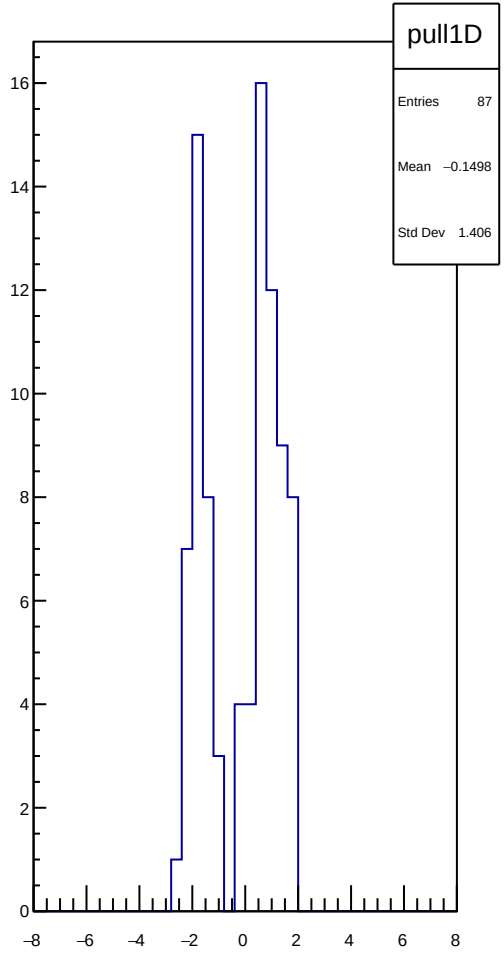

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 97.25 / 86
p0 −86.51 ± 0.9606
pull
Entries 87
Mean 236.8
Std Dev 183.8
pull1D
Entries 87
Mean 0.09346
Std Dev 1.053

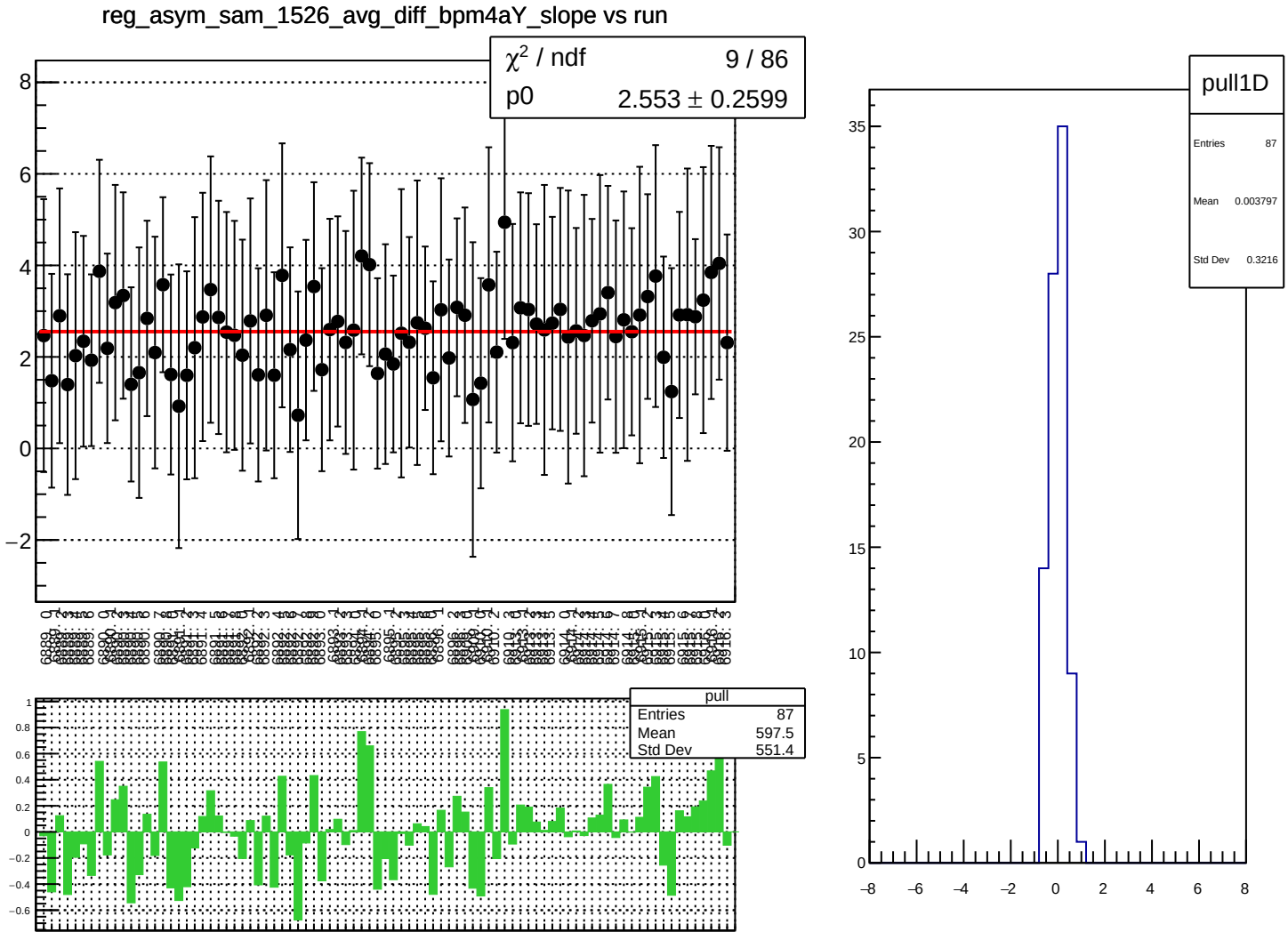

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.85 / 86
p0 66.01 ± 0.8893
pull
Entries 87
Mean 561.8
Std Dev 504.5

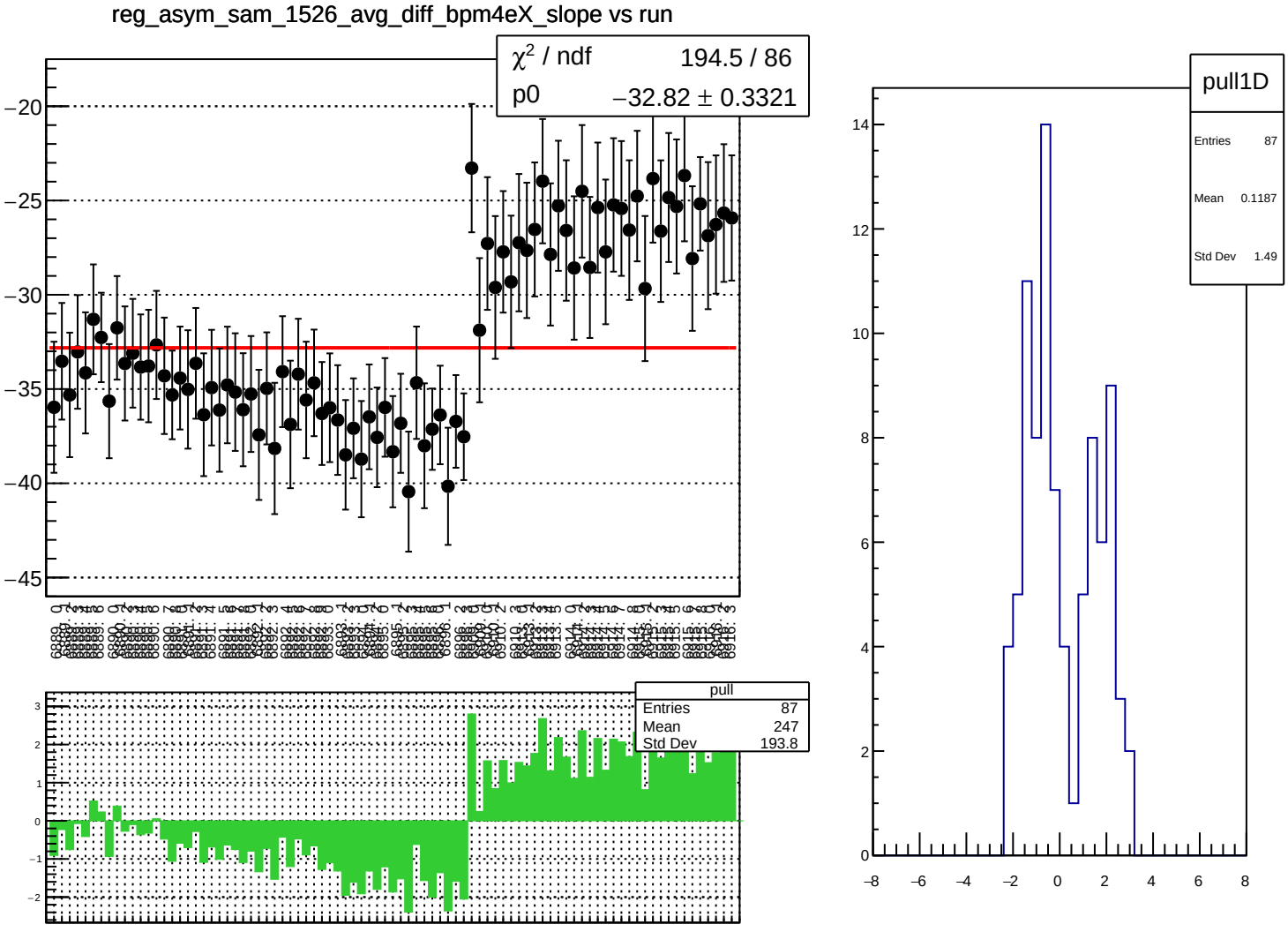

pull1D
Entries 87
Mean −0.01008
Std Dev 0.4267

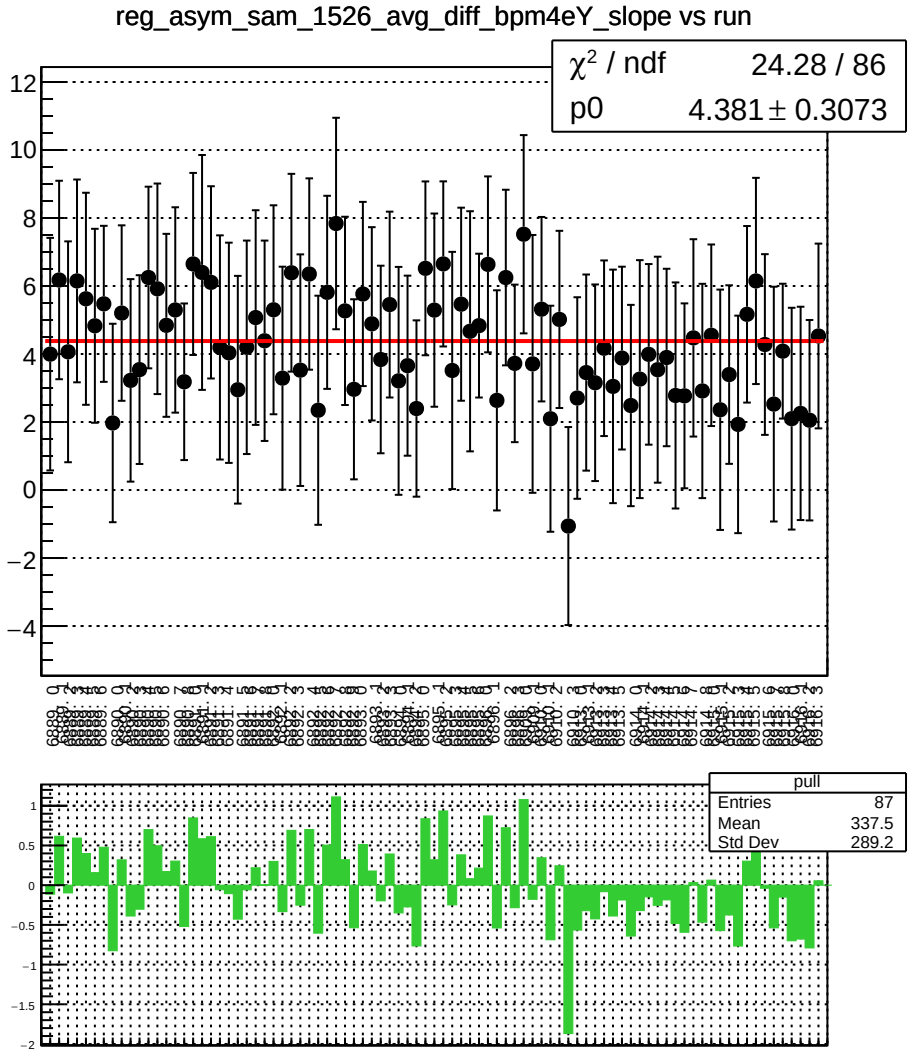

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 3.247 / 86
p0 −0.2296 ± 0.03914
pull
Entries 87
Mean −1781
Std Dev 1805
pull1D
Entries 87
Mean −0.0006188
Std Dev 0.1932

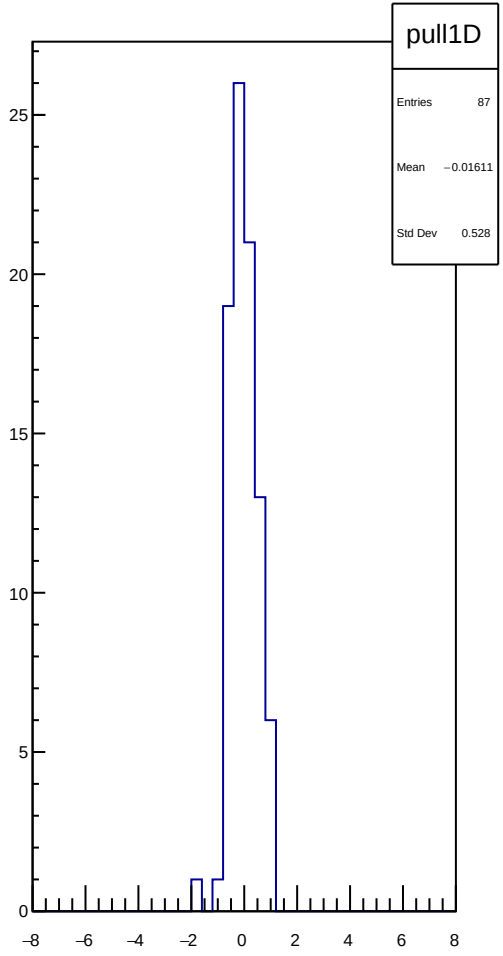

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 173.9 / 86
p0 −1.08 ± 0.3471
pull
Entries 87
Mean 202.8
Std Dev 149.7

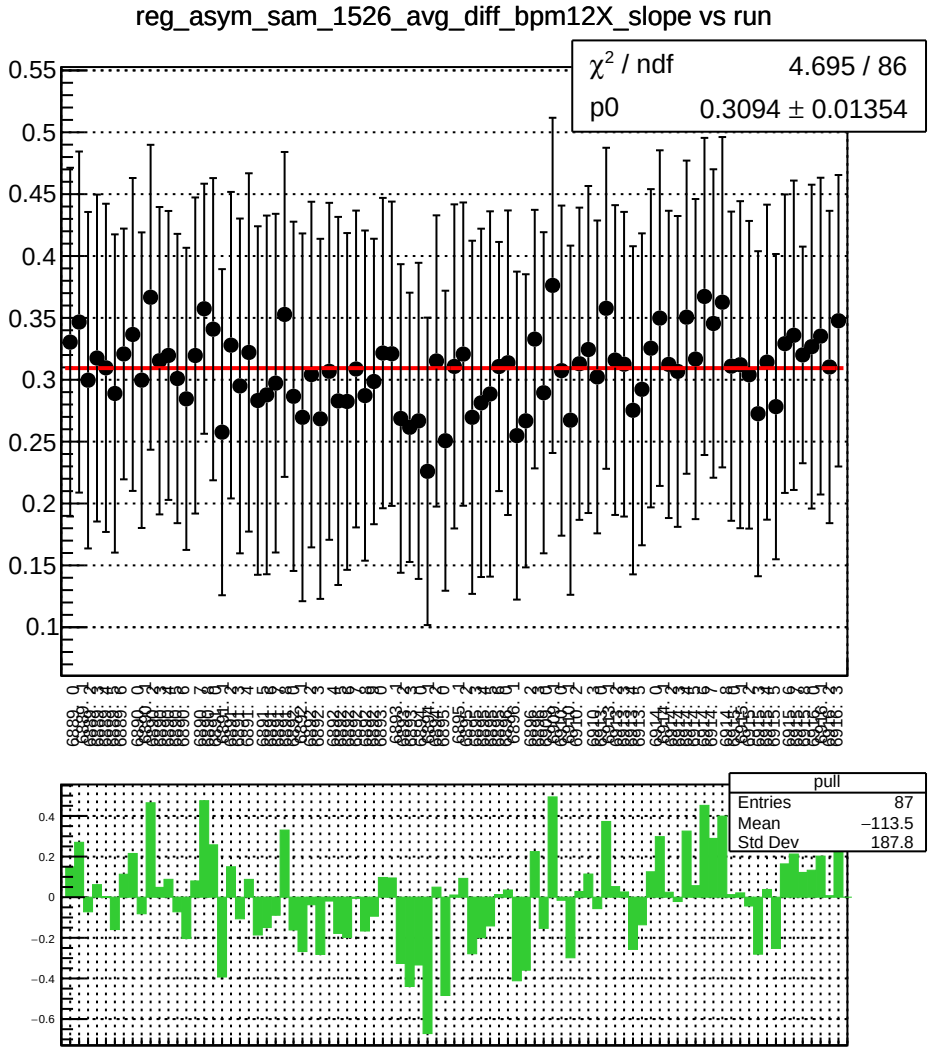

pull1D
Entries 87
Mean −0.1498
Std Dev 1.406

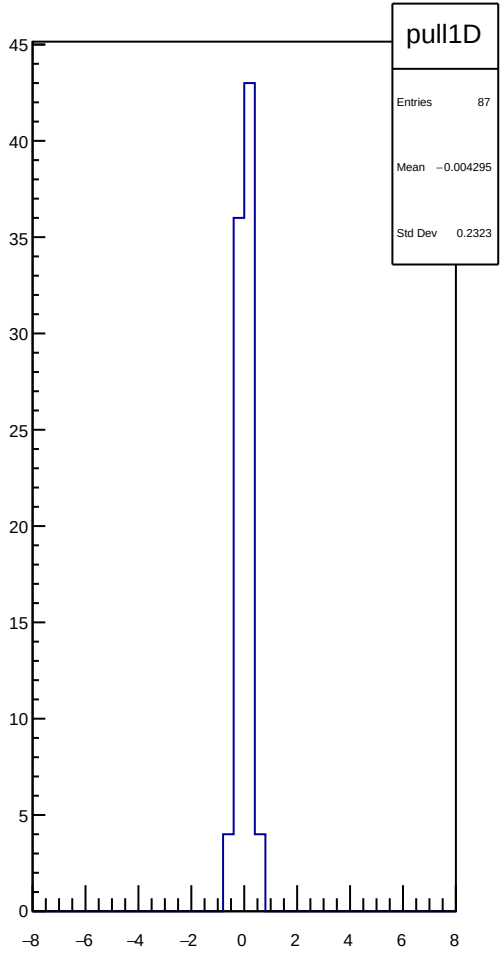

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 9 / 86
p0 2.553 ± 0.2599
pull
Entries 87
Mean 597.5
Std Dev 551.4
pull1D
Entries 87
Mean 0.003797
Std Dev 0.3216

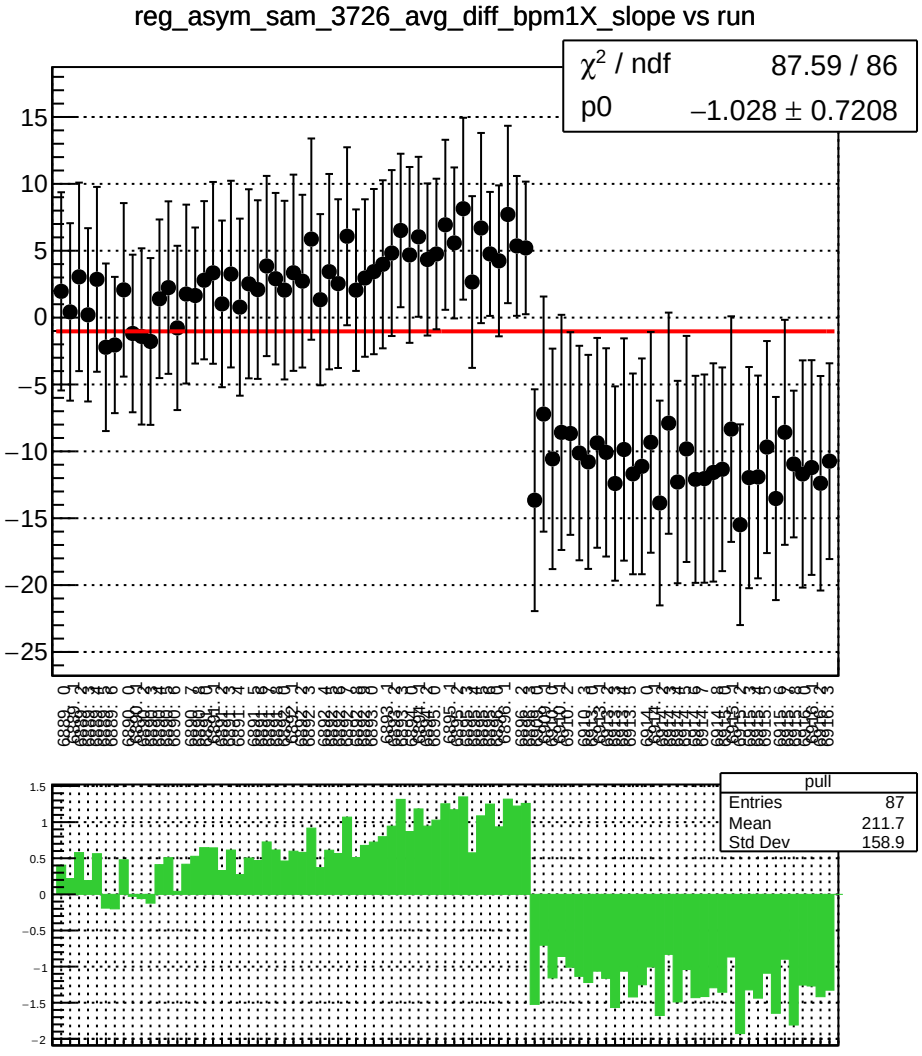

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 194.5 / 86
p0 −32.82 ± 0.3321
pull
Entries 87
Mean 247
Std Dev 193.8
pull1D
Entries 87
Mean 0.1187
Std Dev 1.49

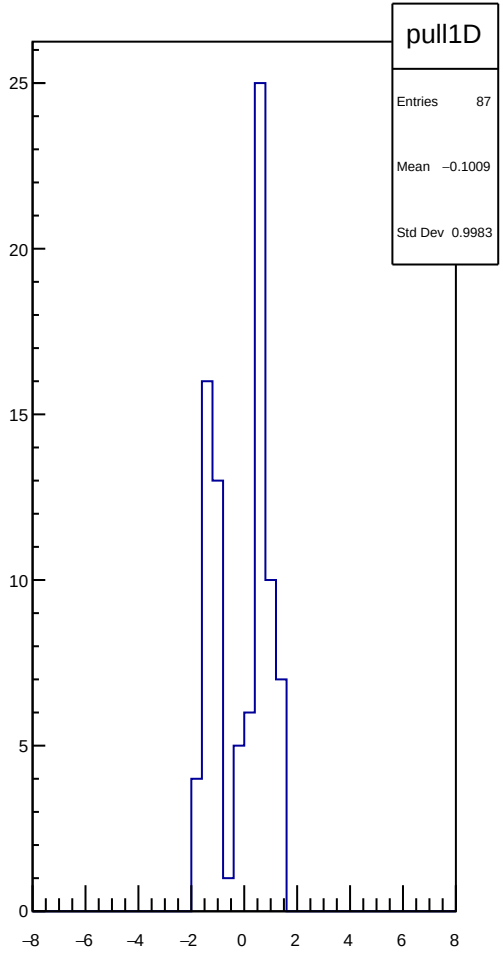

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.28 / 86
p0 4.381 ± 0.3073
pull
Entries 87
Mean 337.5
Std Dev 289.2

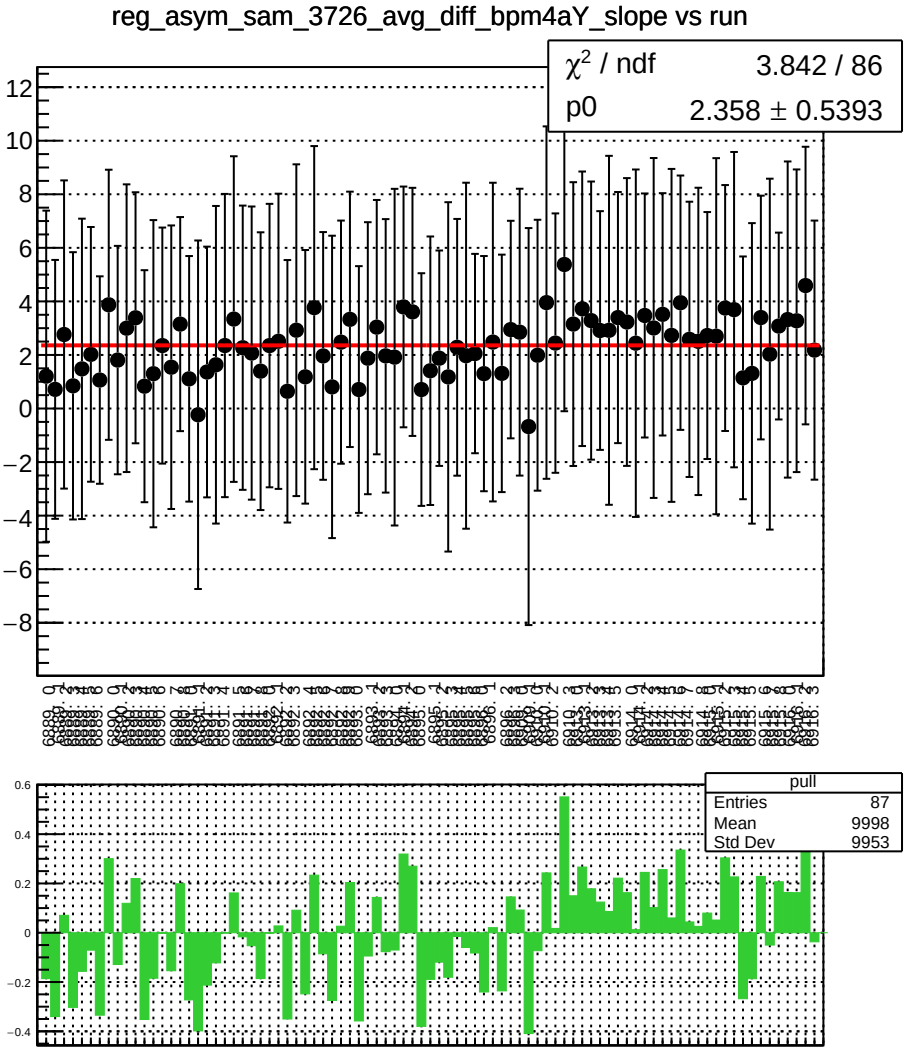

pull1D
Entries 87
Mean −0.01611
Std Dev 0.528

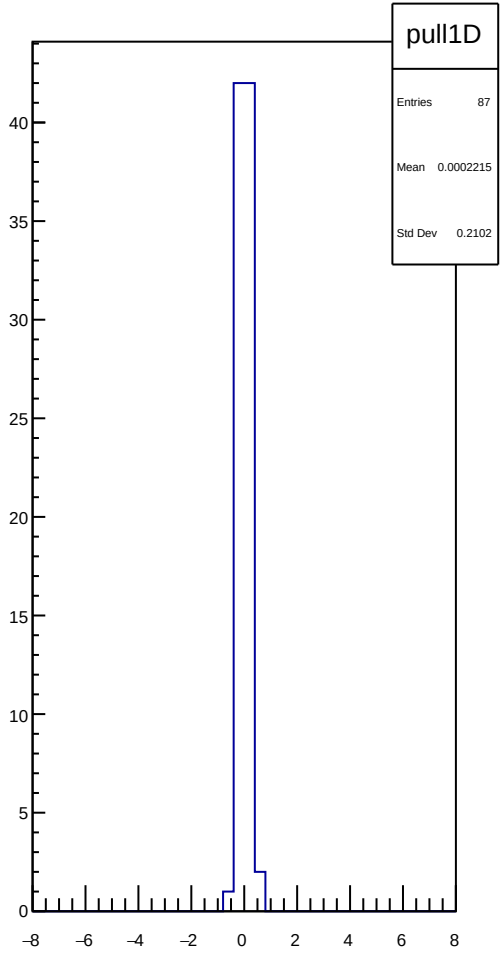

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 4.695 / 86
p0 0.3094 ± 0.01354
pull
Entries 87
Mean −113.5
Std Dev 187.8

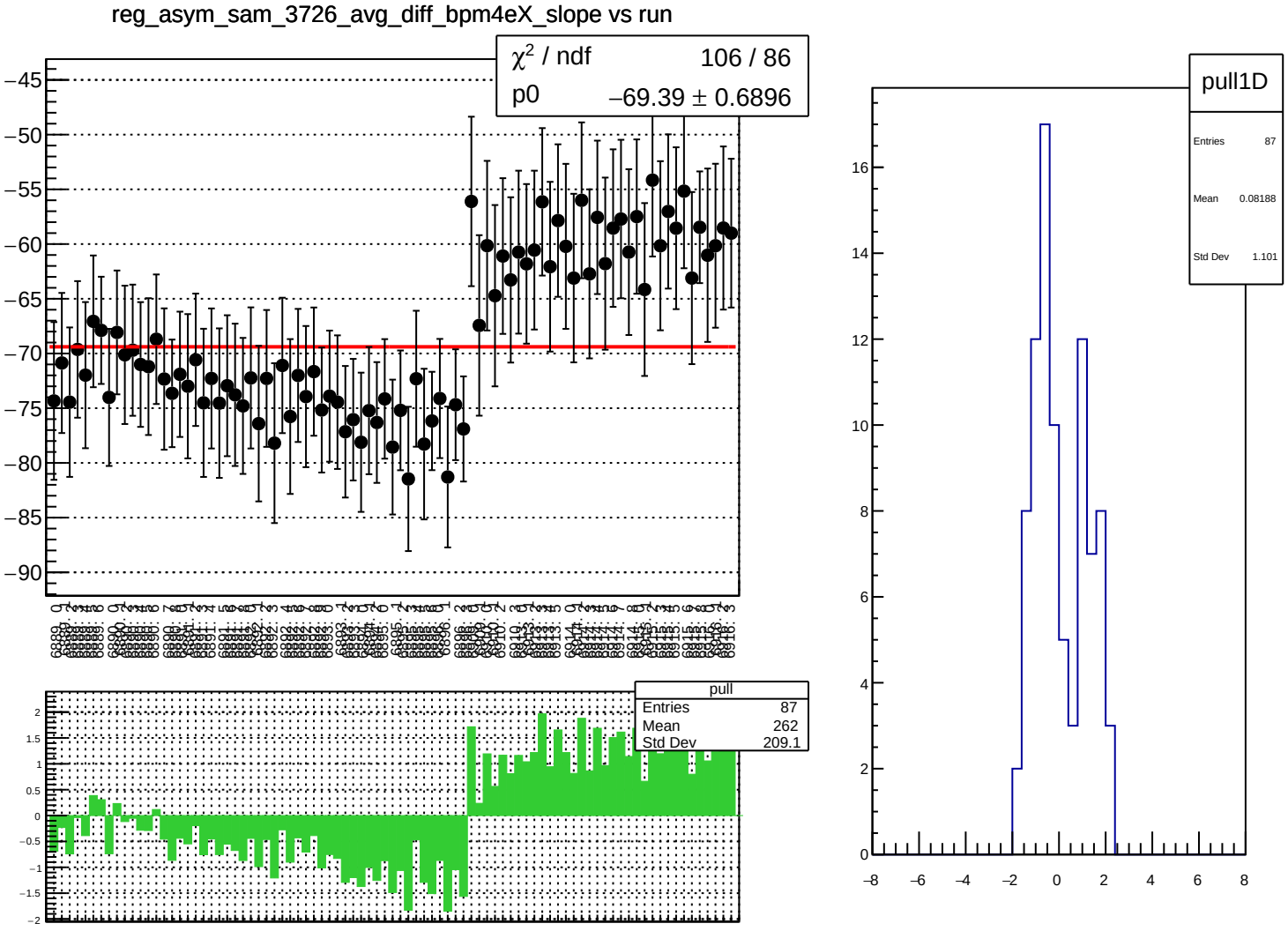

pull1D
Entries 87
Mean −0.004295
Std Dev 0.2323

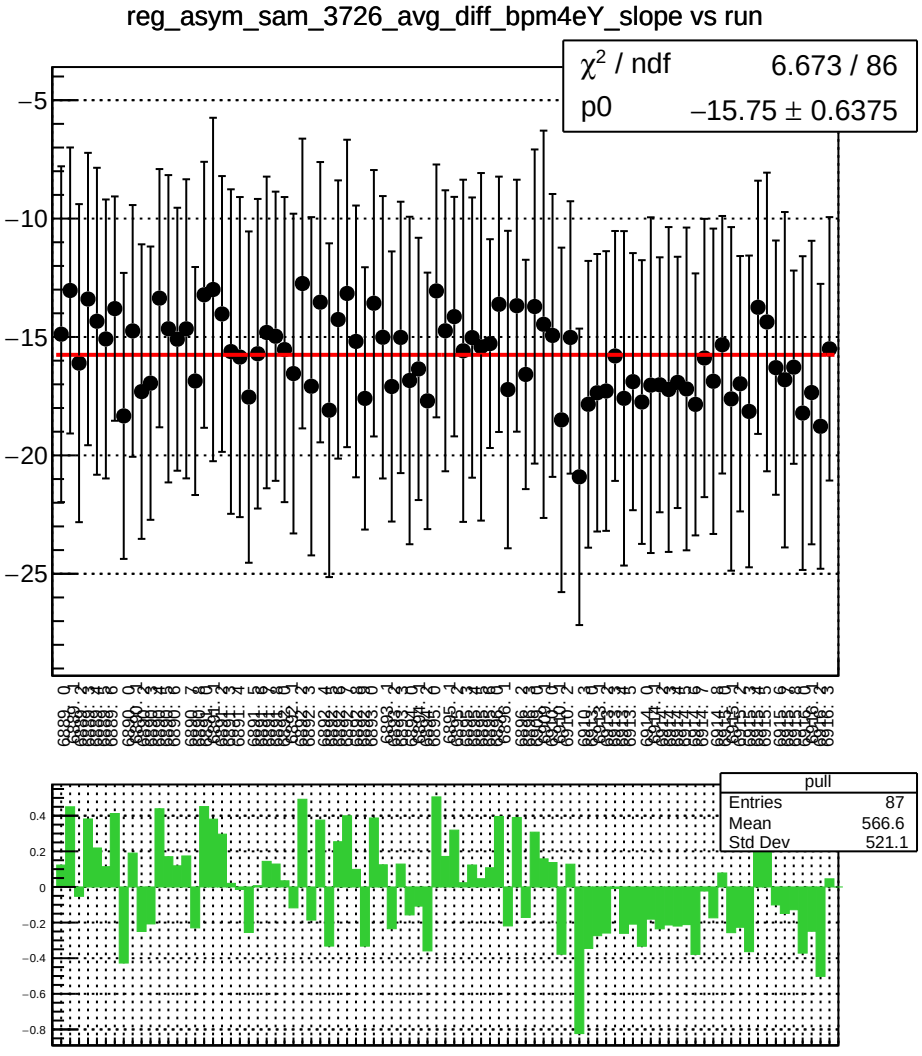

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 87.59 / 86
p0 −1.028 ± 0.7208
pull
Entries 87
Mean 211.7
Std Dev 158.9

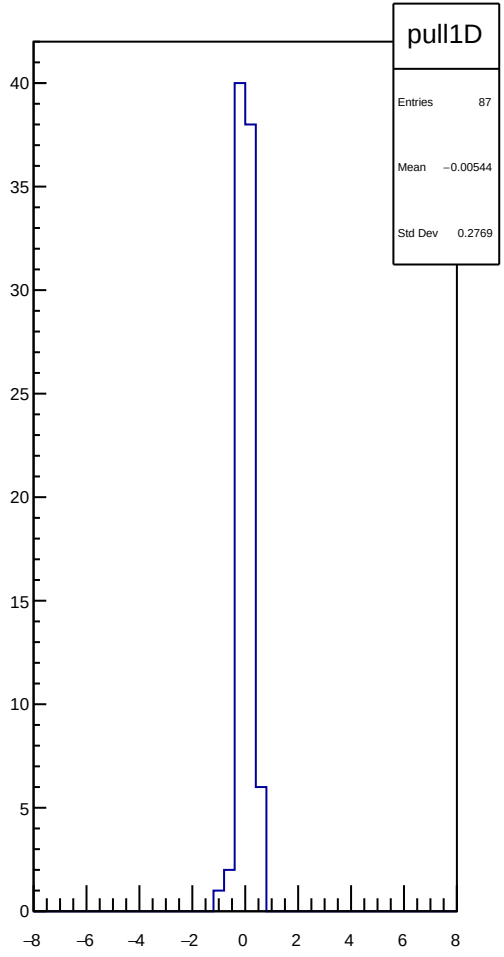

pull1D
Entries 87
Mean −0.1009
Std Dev 0.9983

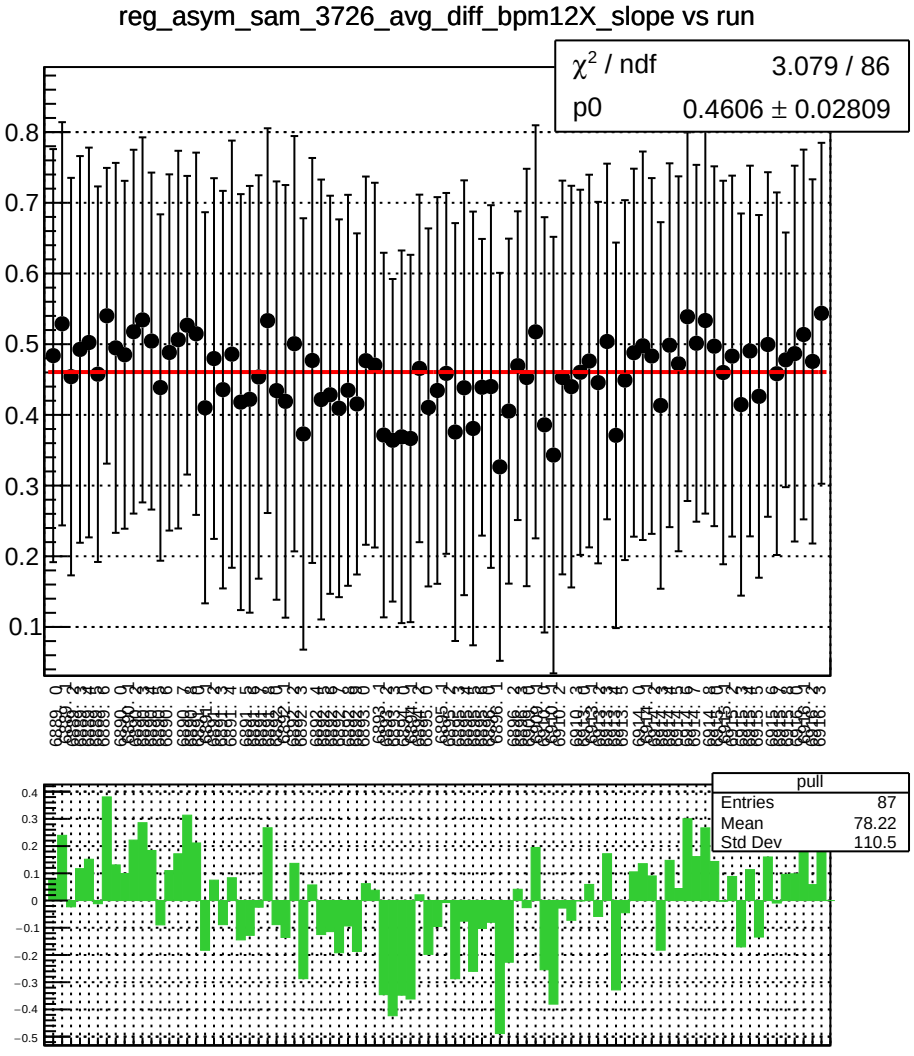

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.842 / 86
p0 2.358 ± 0.5393
pull
Entries 87
Mean 9998
Std Dev 9953

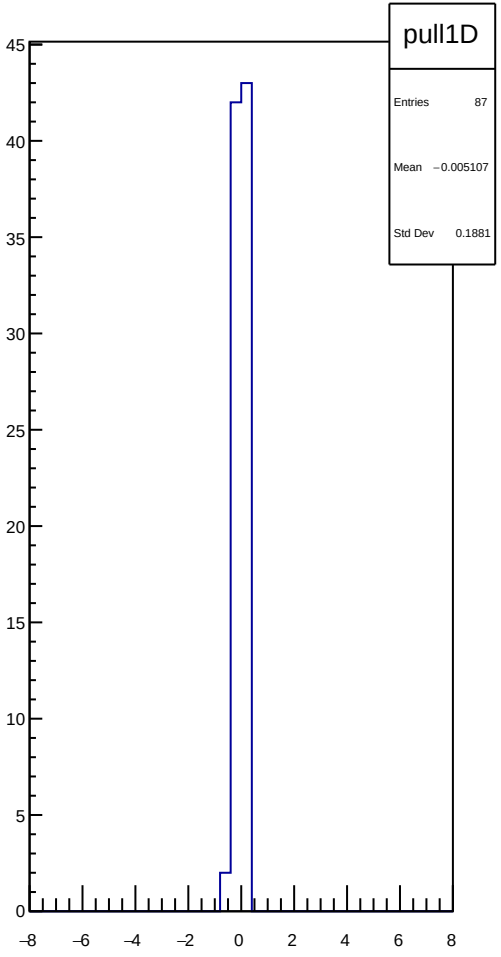

pull1D
Entries 87
Mean 0.0002215
Std Dev 0.2102

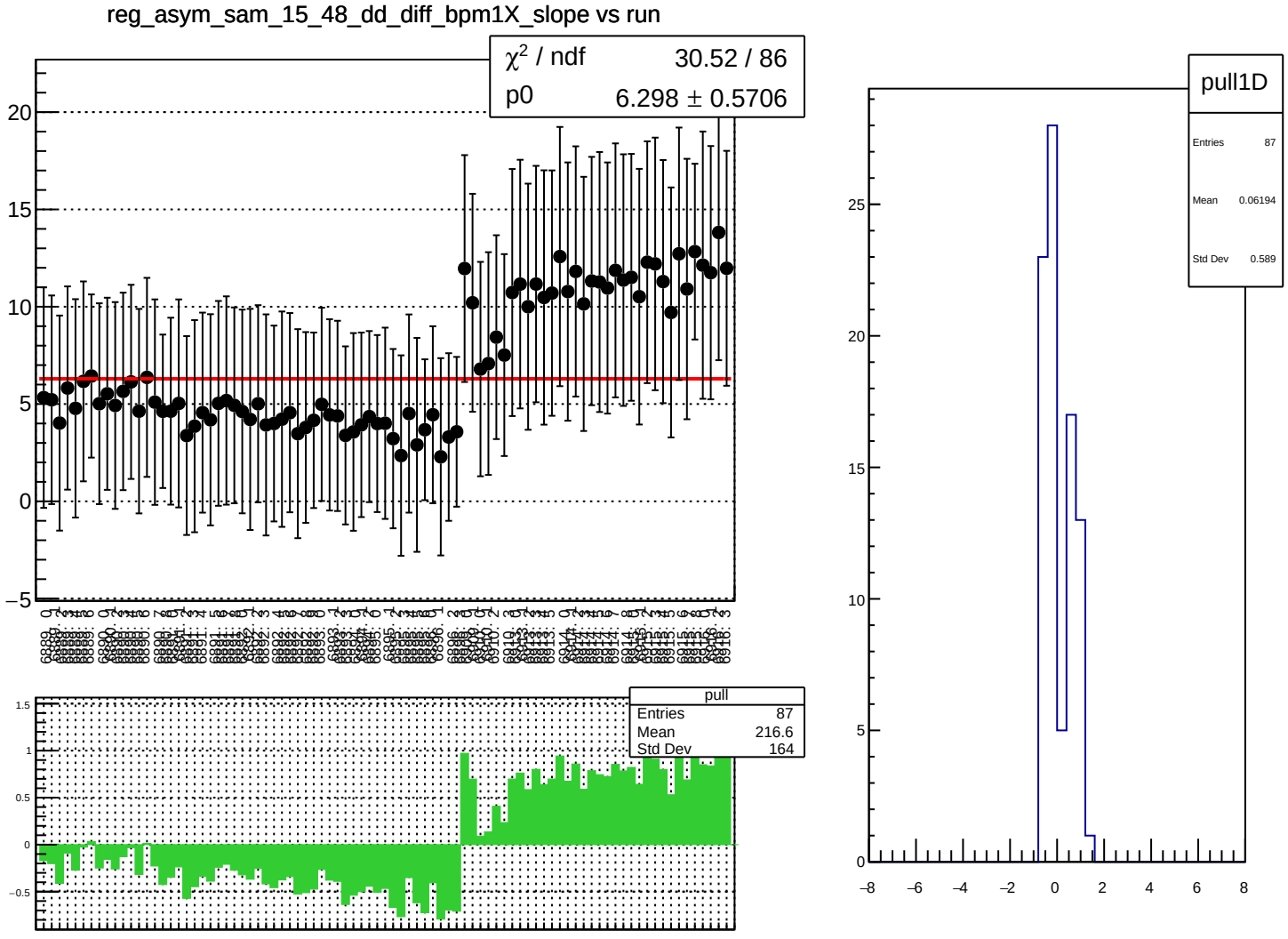

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 106 / 86
p0 −69.39 ± 0.6896
pull
Entries 87
Mean 262
Std Dev 209.1
pull1D
Entries 87
Mean 0.08188
Std Dev 1.101

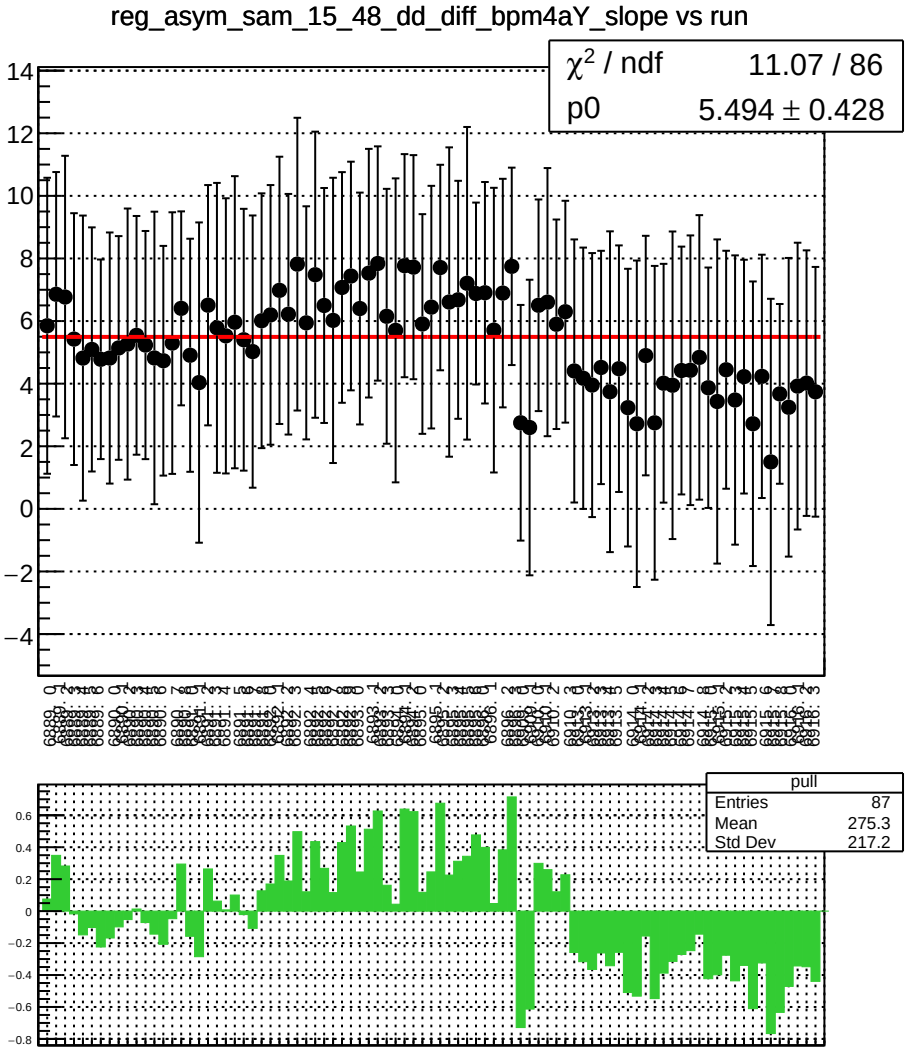

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.673 / 86
p0 −15.75 ± 0.6375
pull
Entries 87
Mean 566.6
Std Dev 521.1

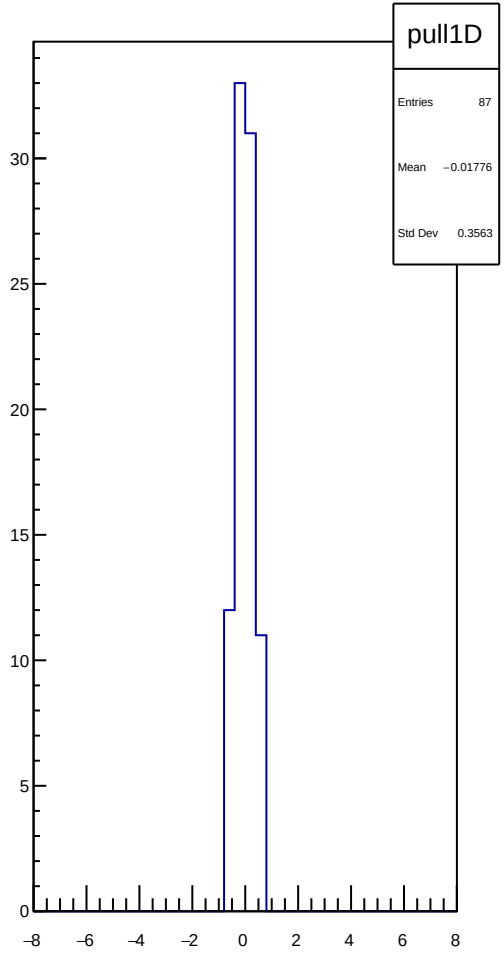

pull1D
Entries 87
Mean −0.00544
Std Dev 0.2769

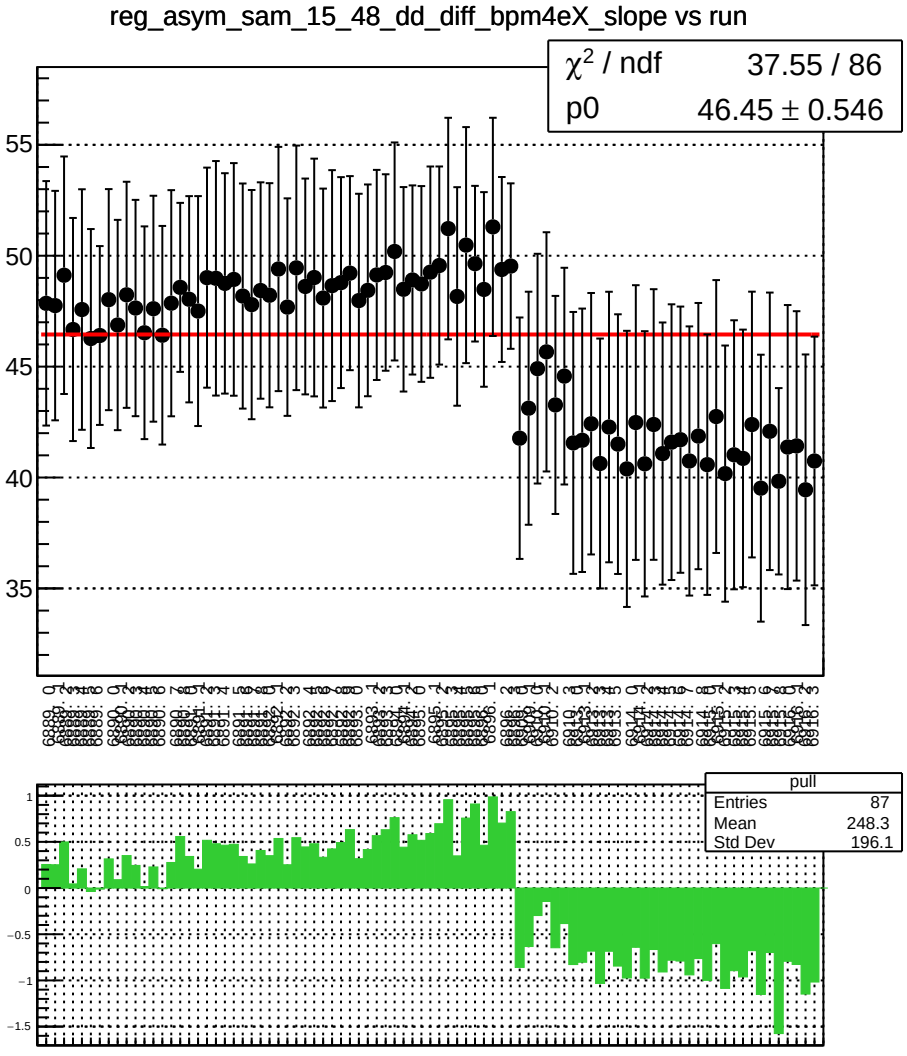

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.079 / 86
p0 0.4606 ± 0.02809
pull
Entries 87
Mean 78.22
Std Dev 110.5

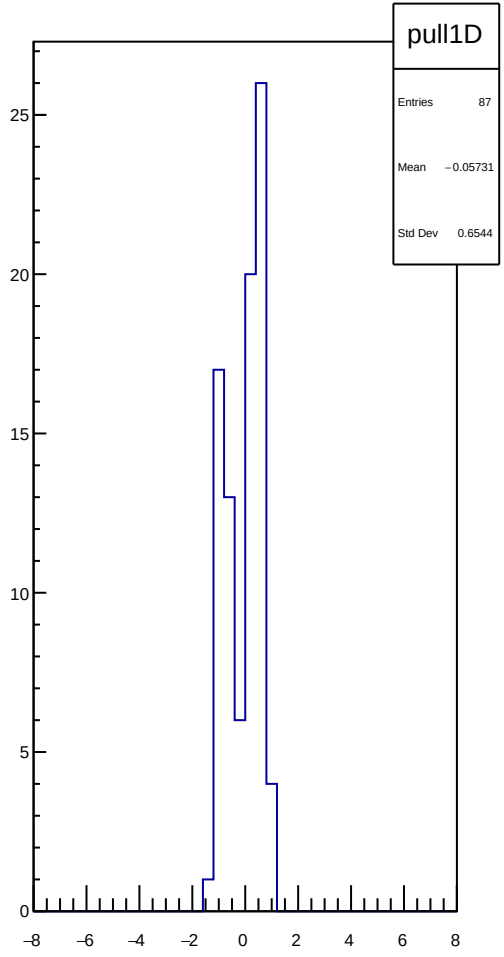

pull1D
Entries 87
Mean −0.005107
Std Dev 0.1881

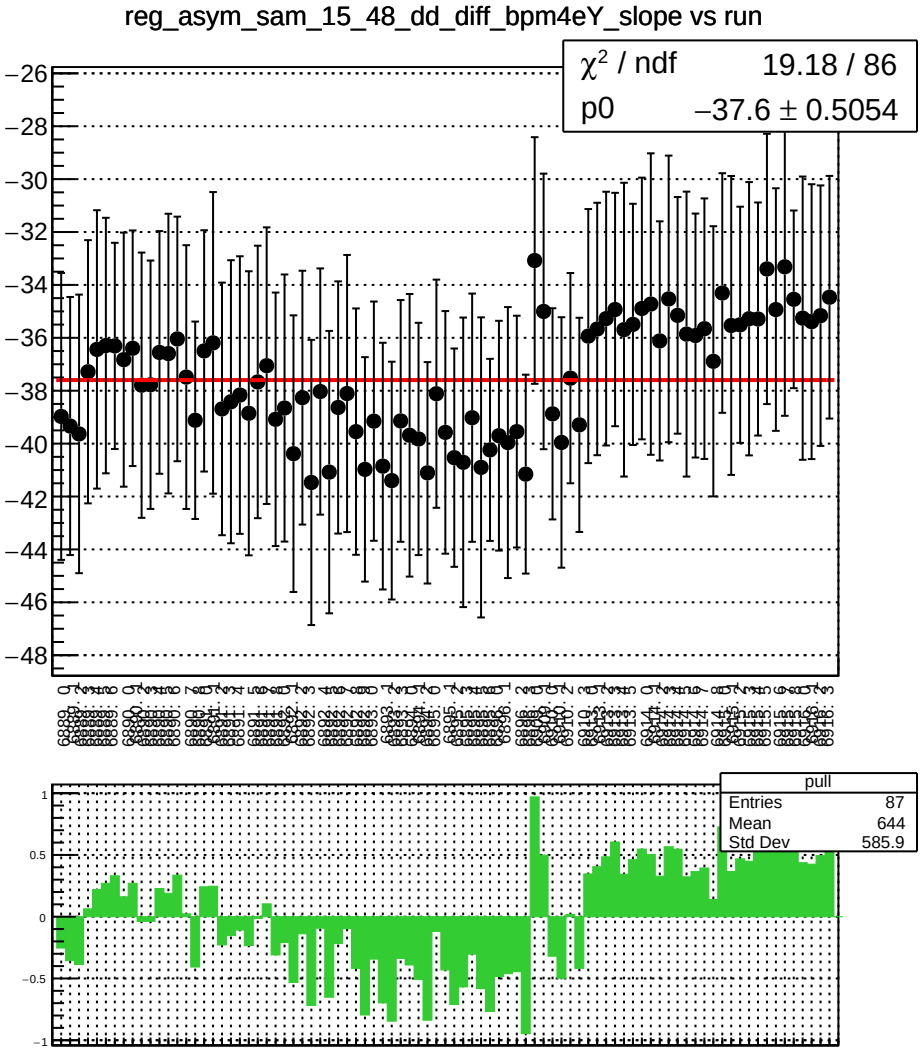

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 30.52 / 86
p0 6.298 ± 0.5706
pull
Entries 87
Mean 216.6
Std Dev 164
pull1D
Entries 87
Mean 0.06194
Std Dev 0.589

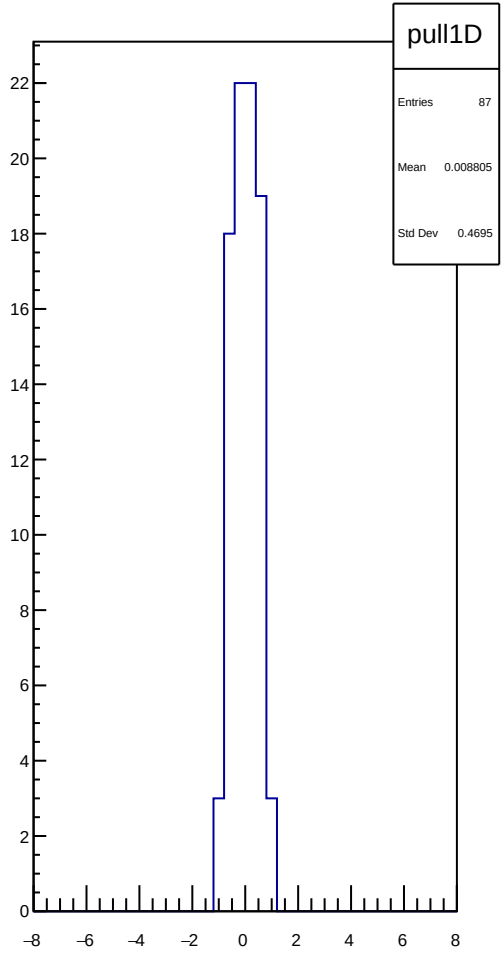

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.07 / 86
p0 5.494 ± 0.428
pull
Entries 87
Mean 275.3
Std Dev 217.2

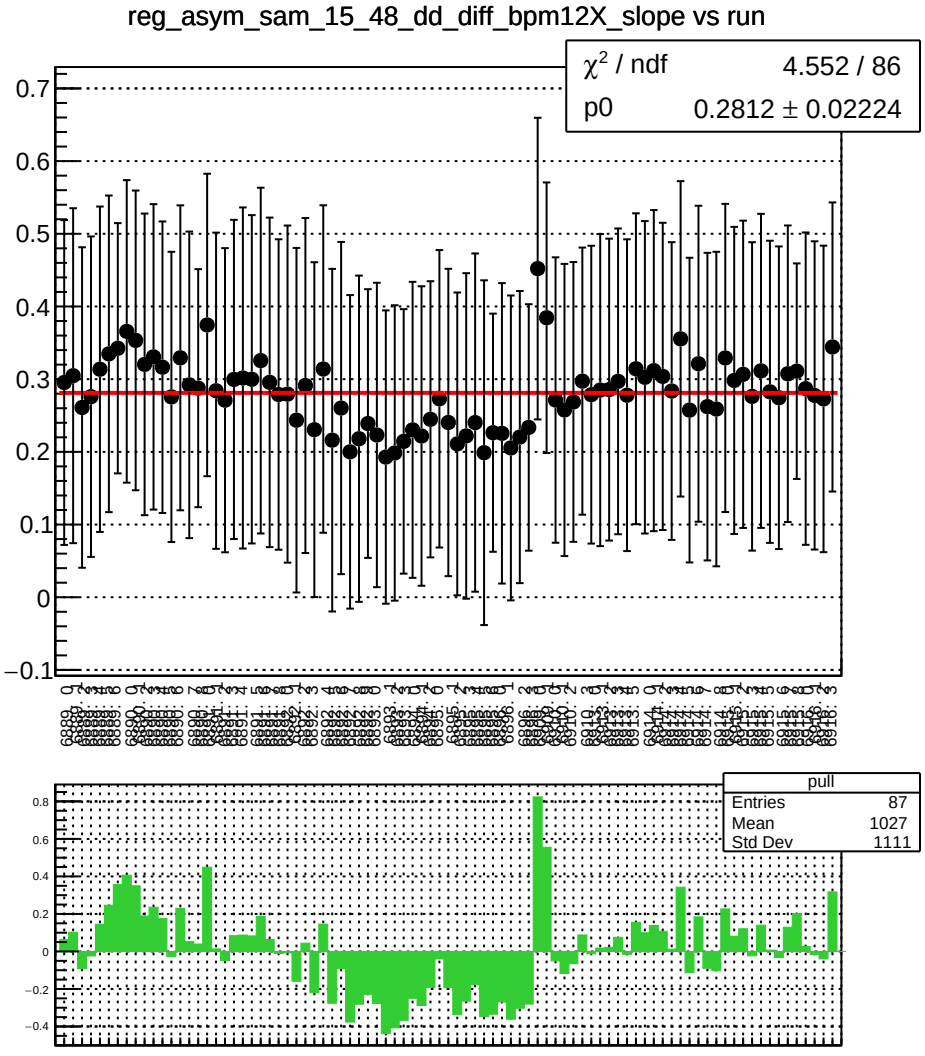

pull1D
Entries 87
Mean −0.01776
Std Dev 0.3563

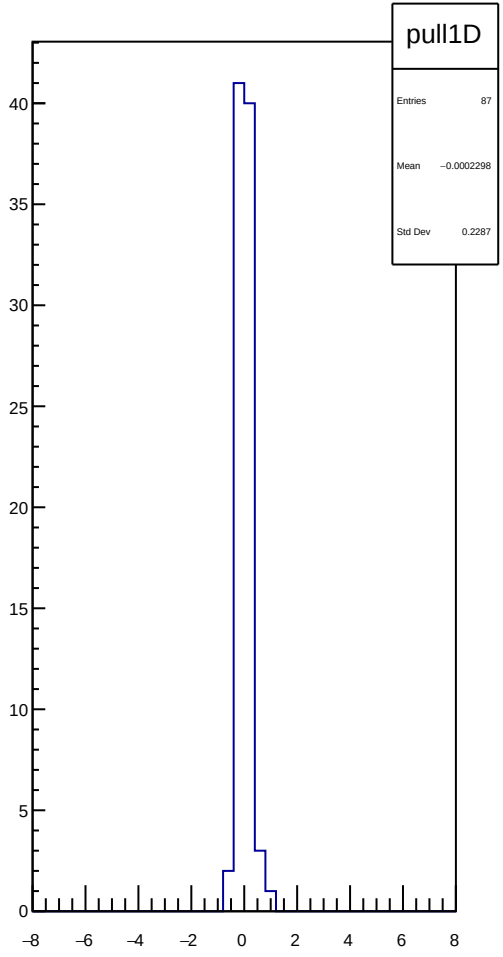

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 37.55 / 86
p0 46.45 ± 0.546
pull
Entries 87
Mean 248.3
Std Dev 196.1

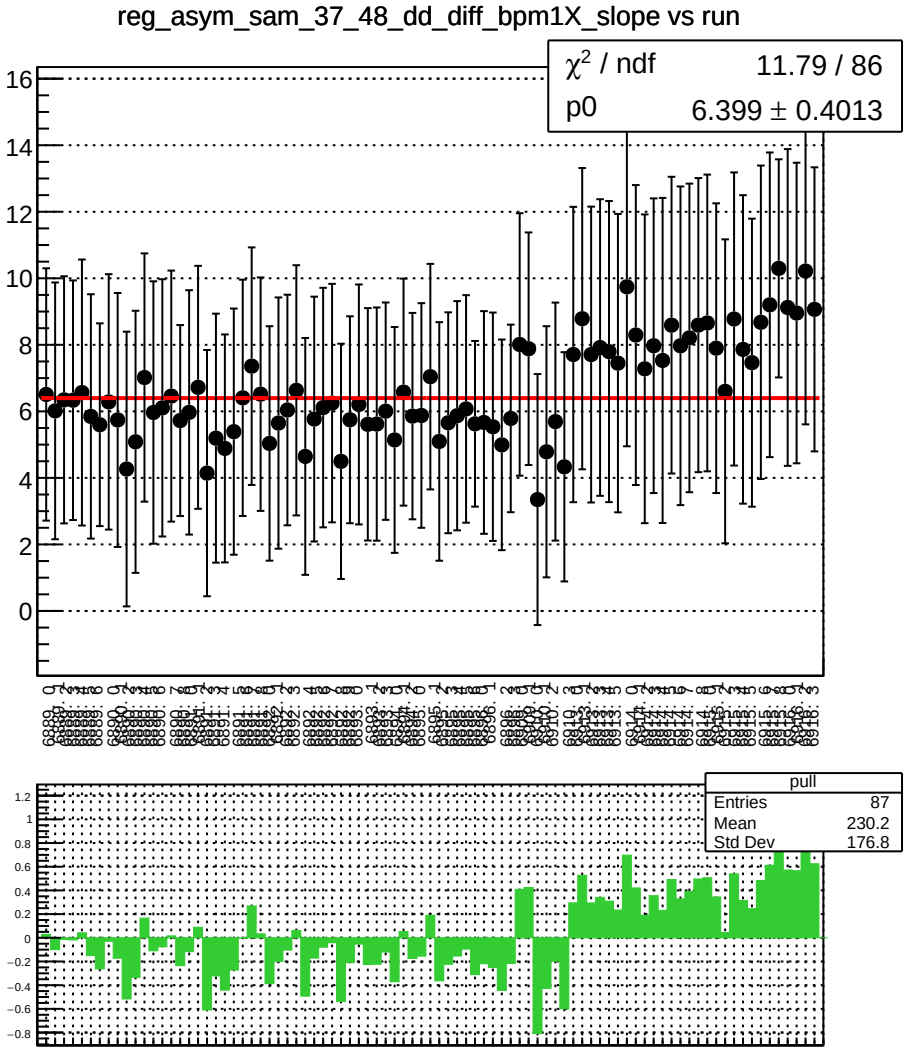

pull1D
Entries 87
Mean −0.05731
Std Dev 0.6544

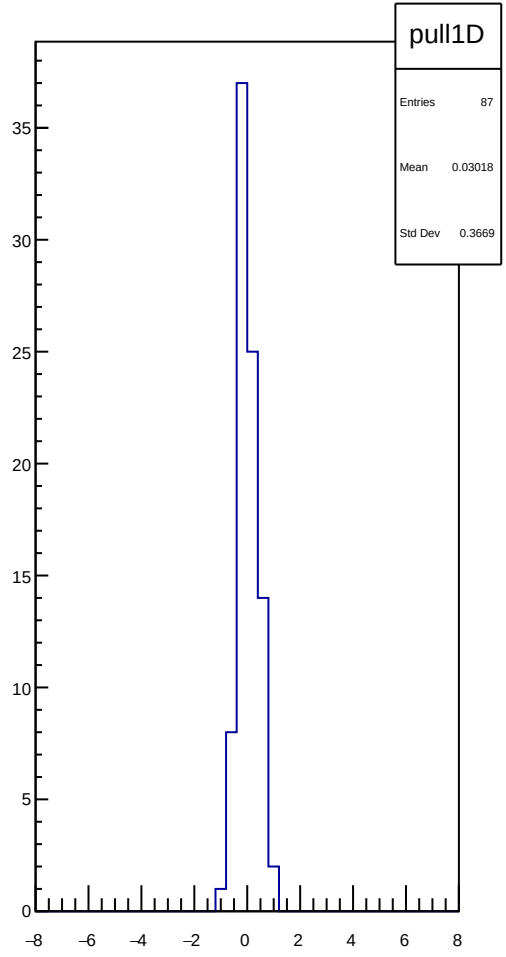

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.18 / 86
p0 −37.6 ± 0.5054
pull
Entries 87
Mean 644
Std Dev 585.9

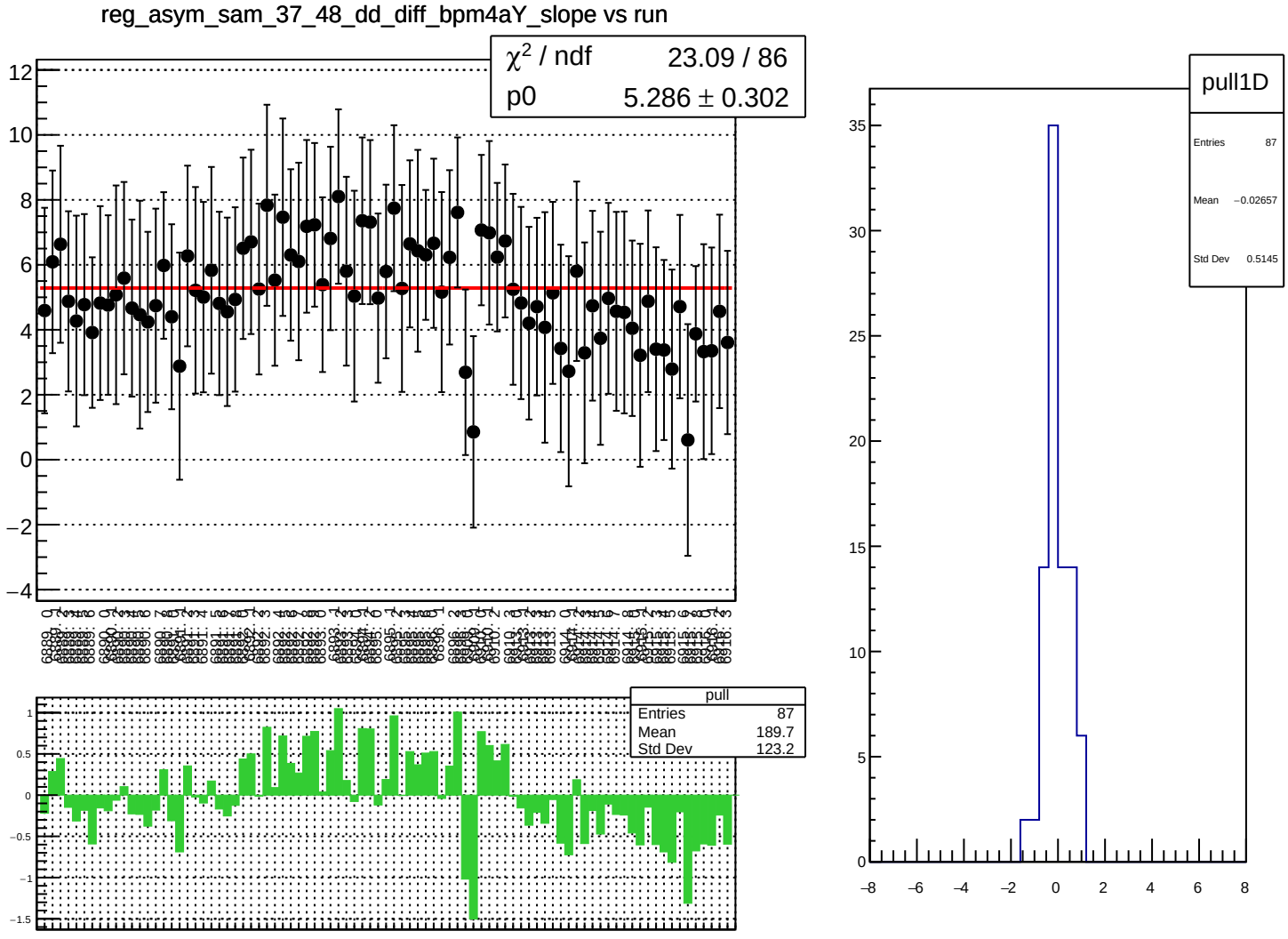

pull1D
Entries 87
Mean 0.008805
Std Dev 0.4695

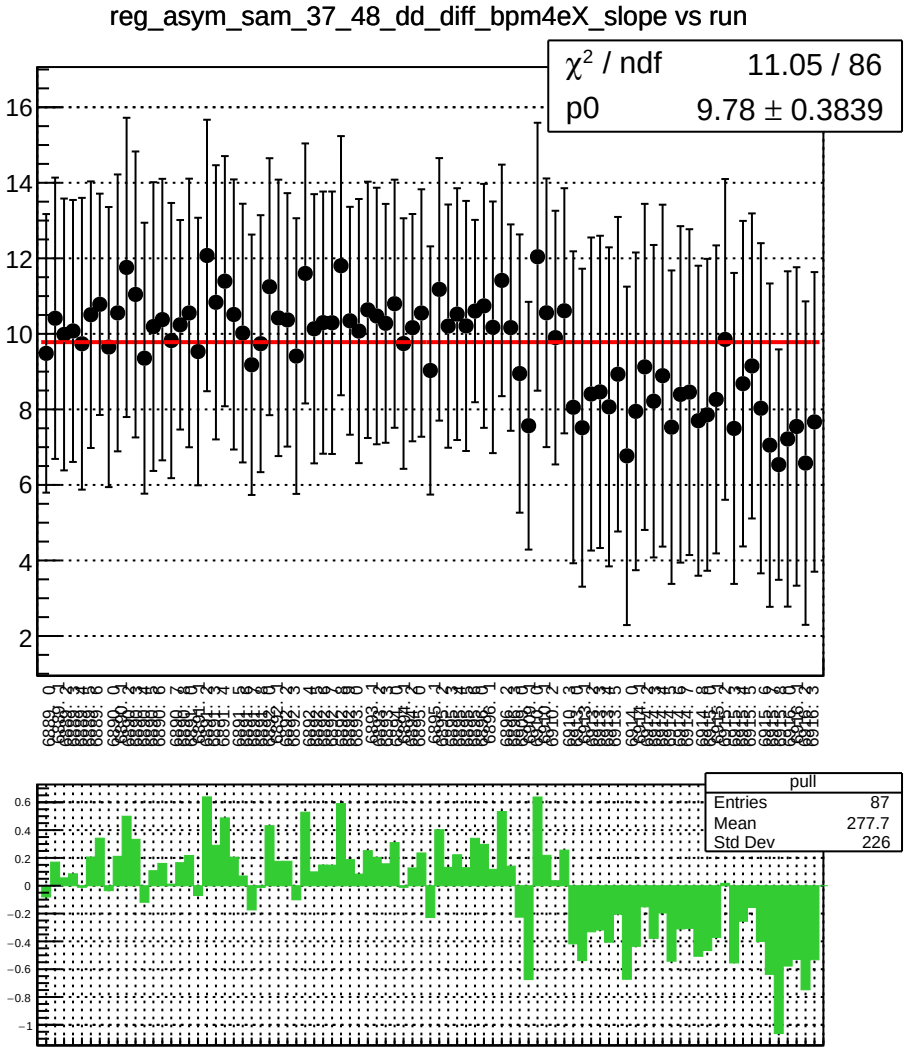

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.552 / 86
p0 0.2812 ± 0.02224
pull
Entries 87
Mean 1027
Std Dev 1111

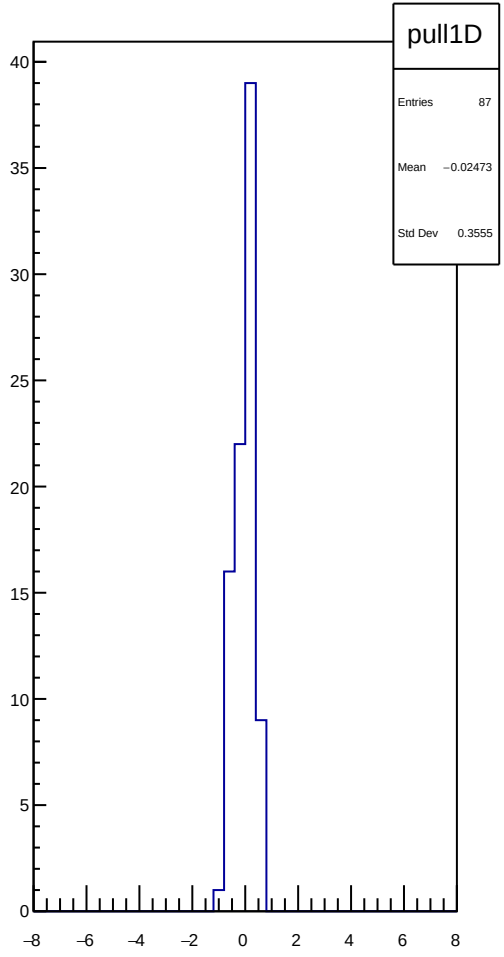

pull1D
Entries 87
Mean −0.0002298
Std Dev 0.2287

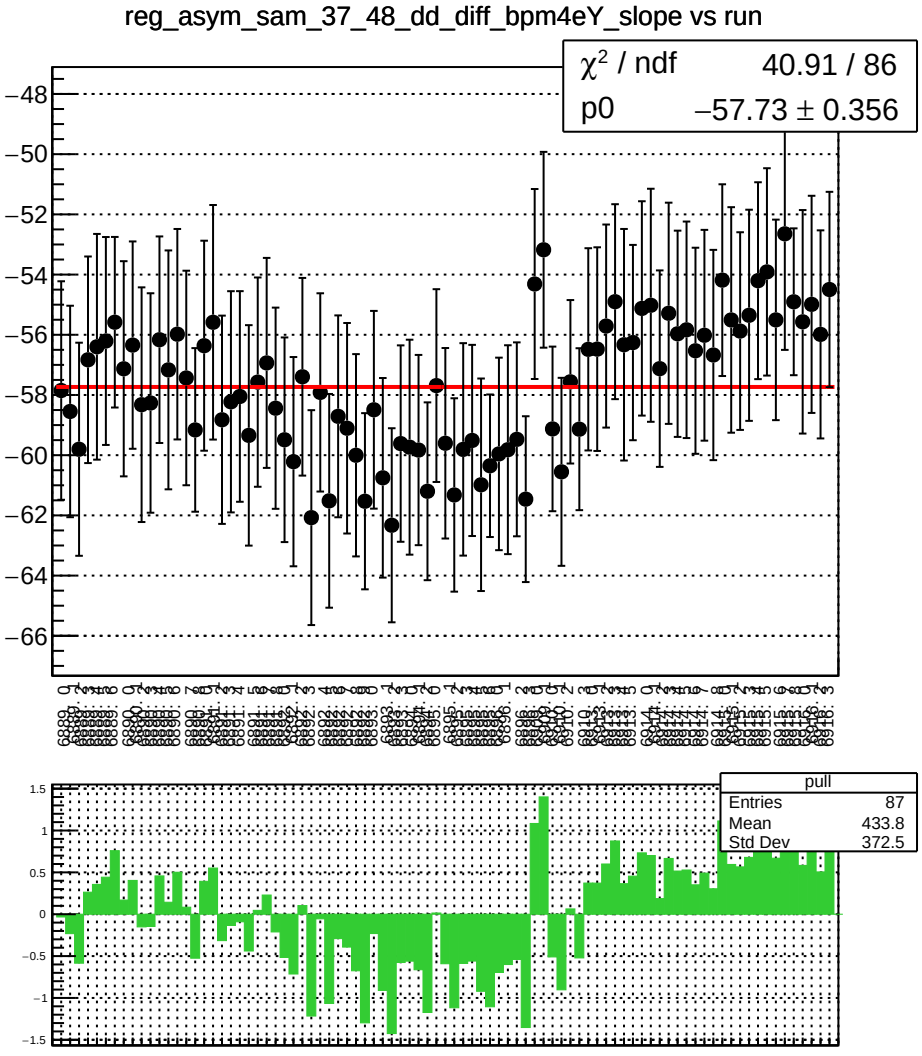

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.79 / 86
p0 6.399 ± 0.4013
pull
Entries 87
Mean 230.2
Std Dev 176.8

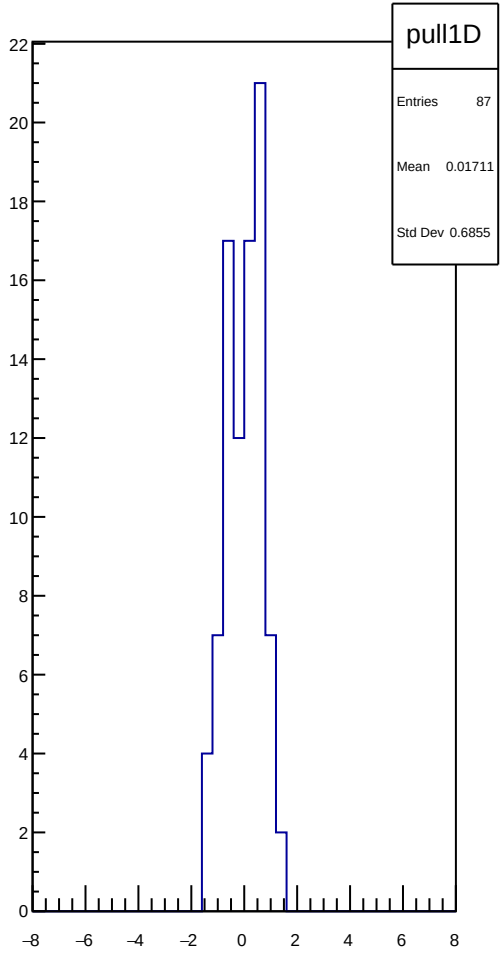

pull1D
Entries 87
Mean 0.03018
Std Dev 0.3669

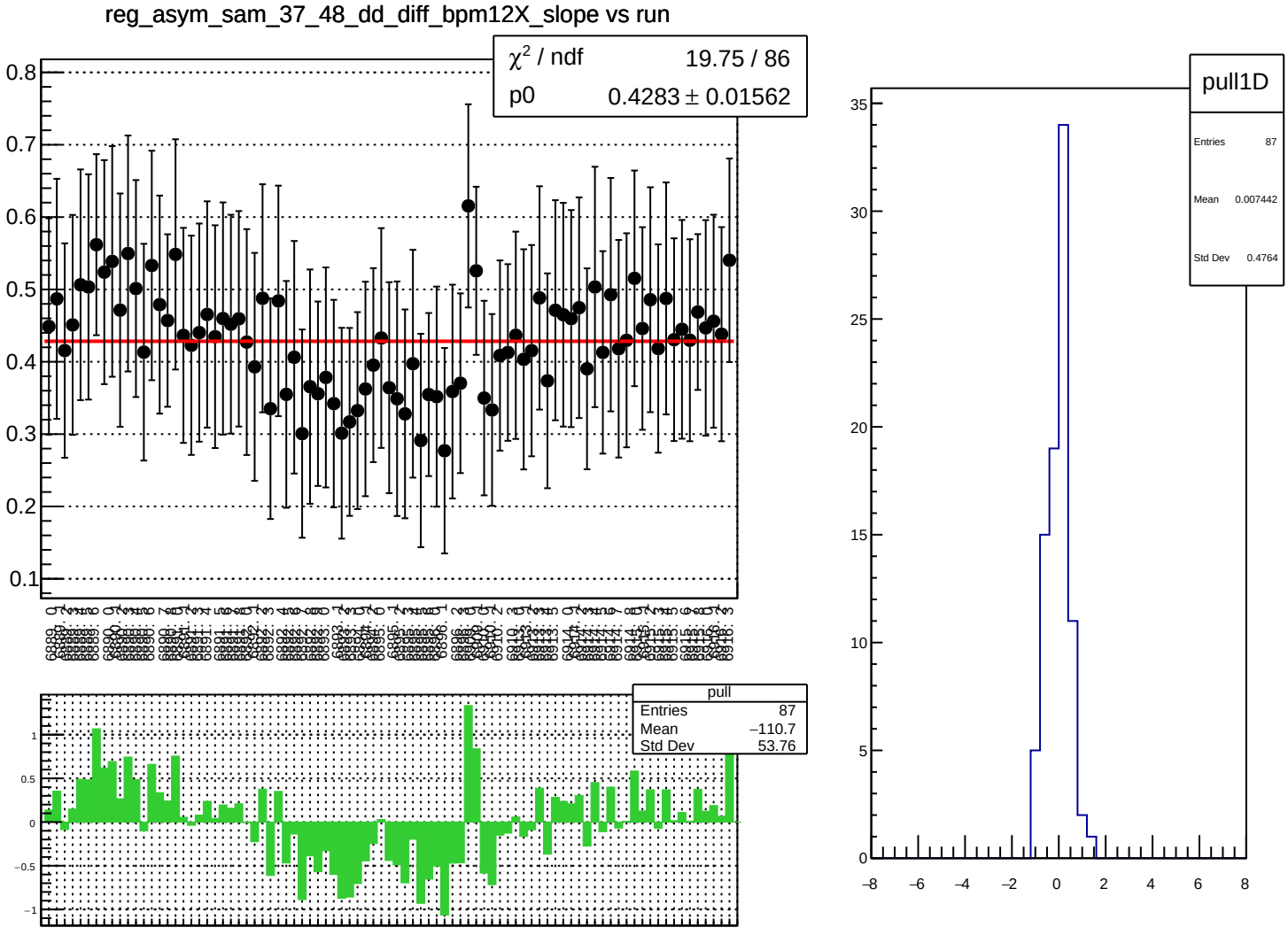

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.09 / 86
p0 5.286 ± 0.302
pull
Entries 87
Mean 189.7
Std Dev 123.2
pull1D
Entries 87
Mean −0.02657
Std Dev 0.5145

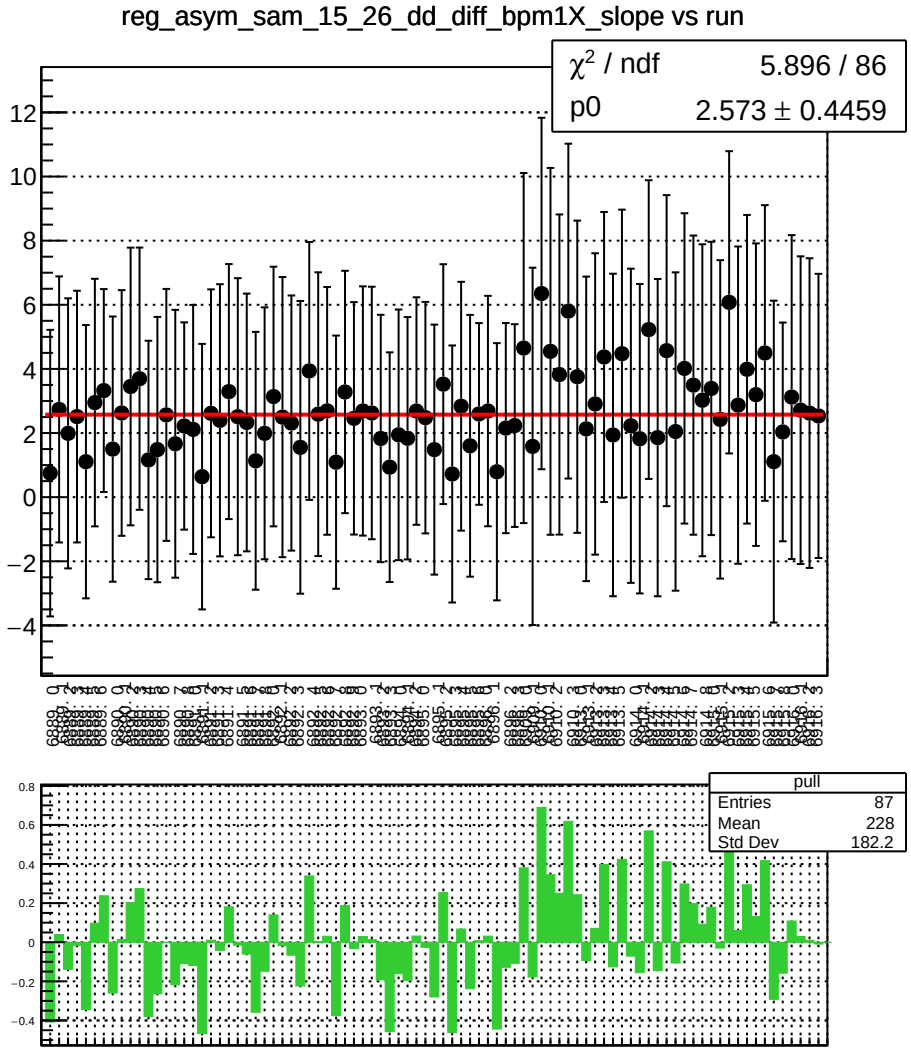

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.05 / 86
p0 9.78 ± 0.3839
pull
Entries 87
Mean 277.7
Std Dev 226

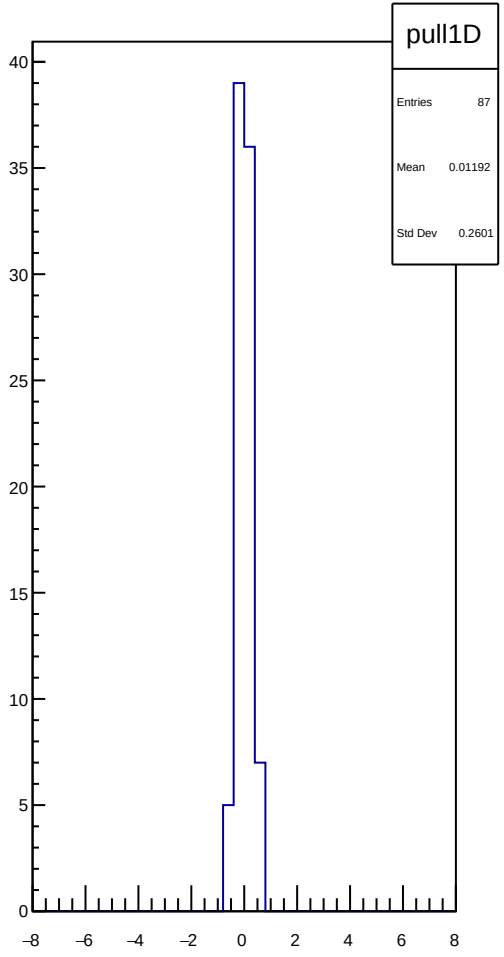

pull1D
Entries 87
Mean −0.02473
Std Dev 0.3555

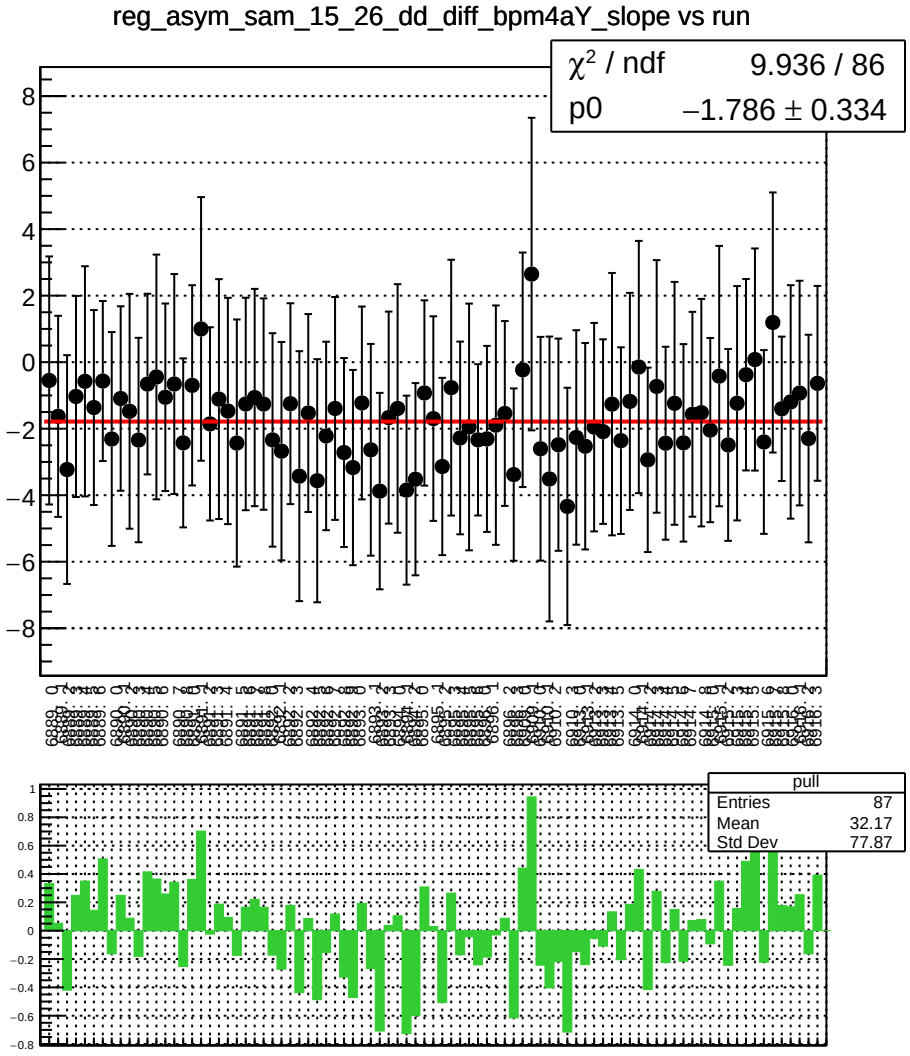

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.91 / 86
p0 −57.73 ± 0.356
pull
Entries 87
Mean 433.8
Std Dev 372.5

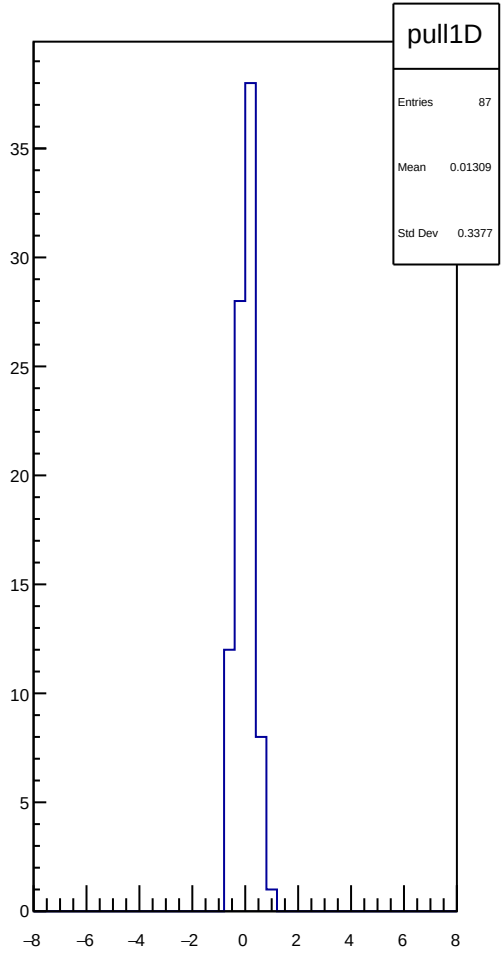

pull1D
Entries 87
Mean 0.01711
Std Dev 0.6855

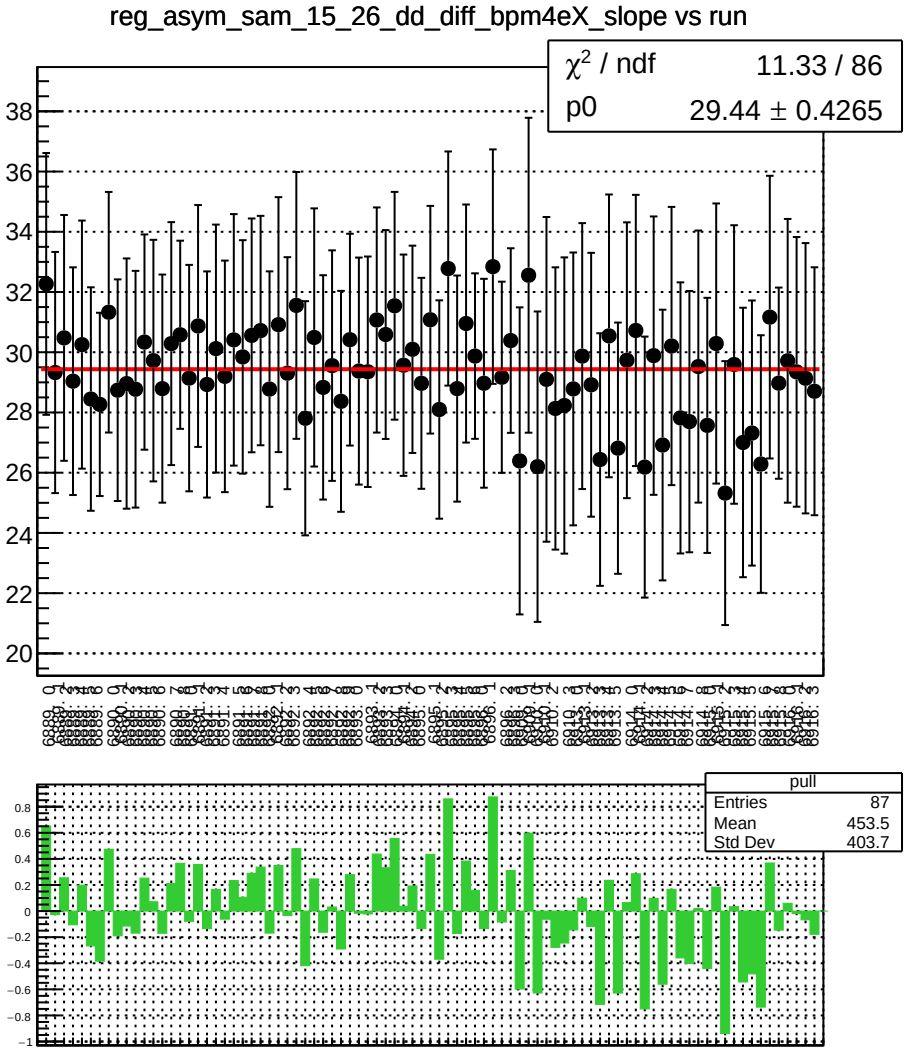

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.75 / 86
p0 0.4283 ± 0.01562
pull
Entries 87
Mean −110.7
Std Dev 53.76
pull1D
Entries 87
Mean 0.007442
Std Dev 0.4764

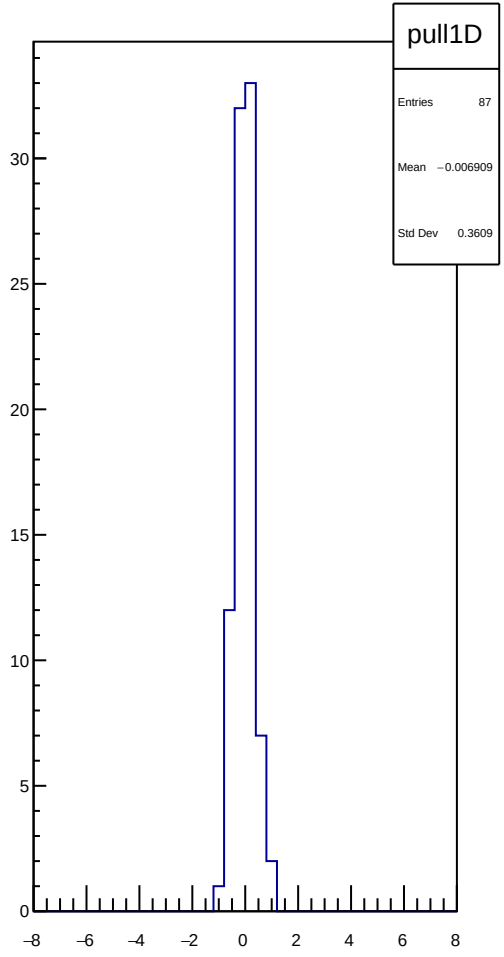

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 5.896 / 86
p0 2.573 ± 0.4459
pull
Entries 87
Mean 228
Std Dev 182.2

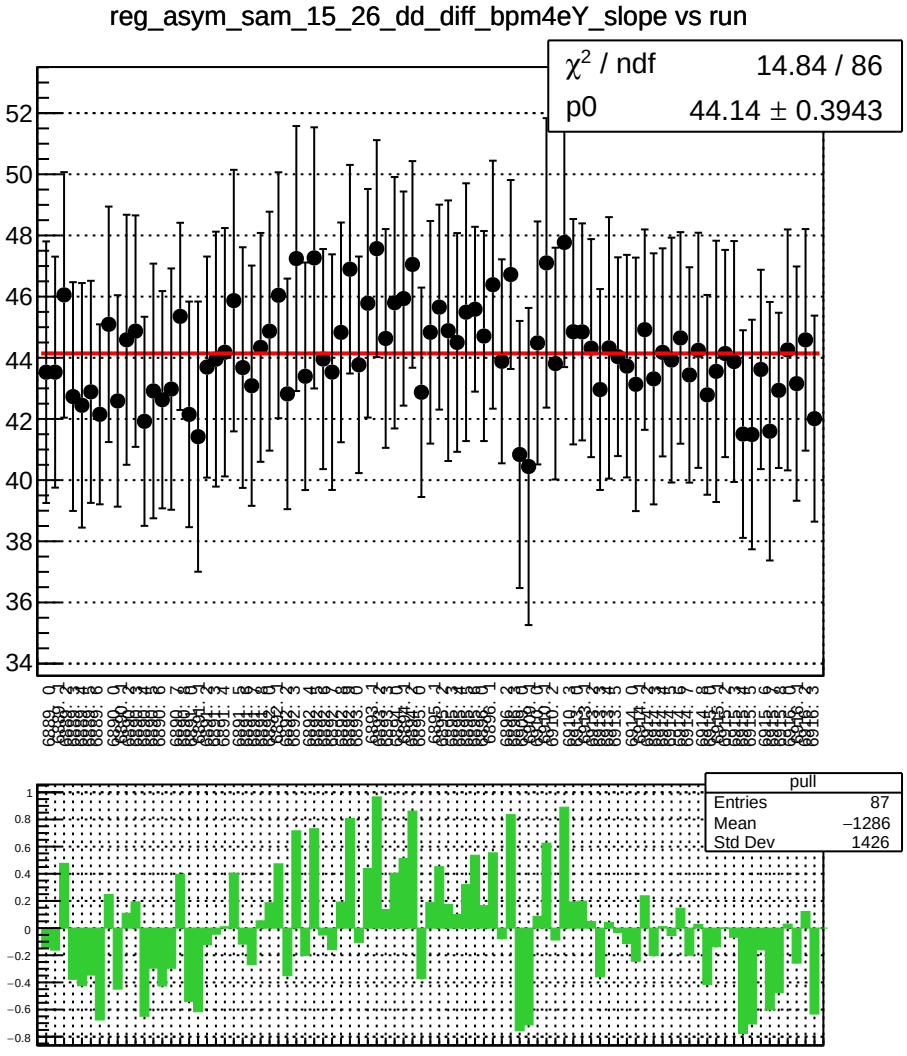

pull1D
Entries 87
Mean 0.01192
Std Dev 0.2601

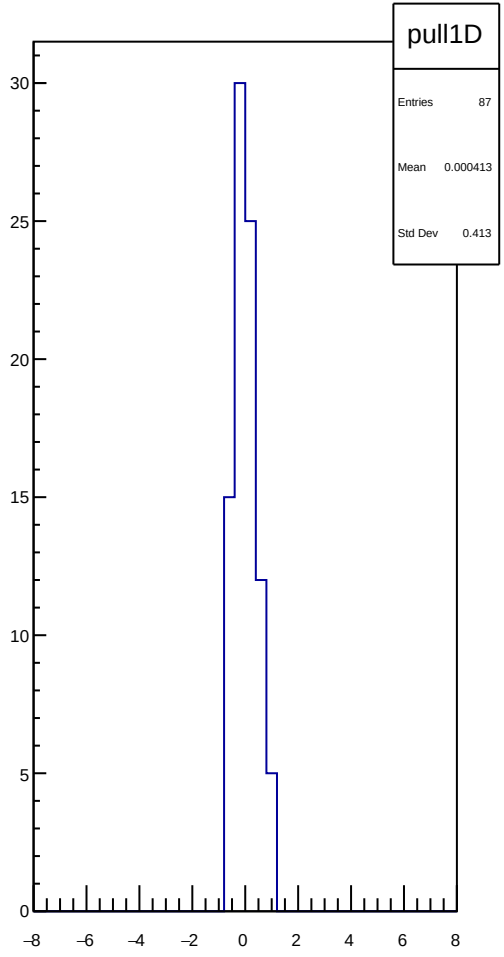

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.936 / 86
p0 −1.786 ± 0.334
pull
Entries 87
Mean 32.17
Std Dev 77.87

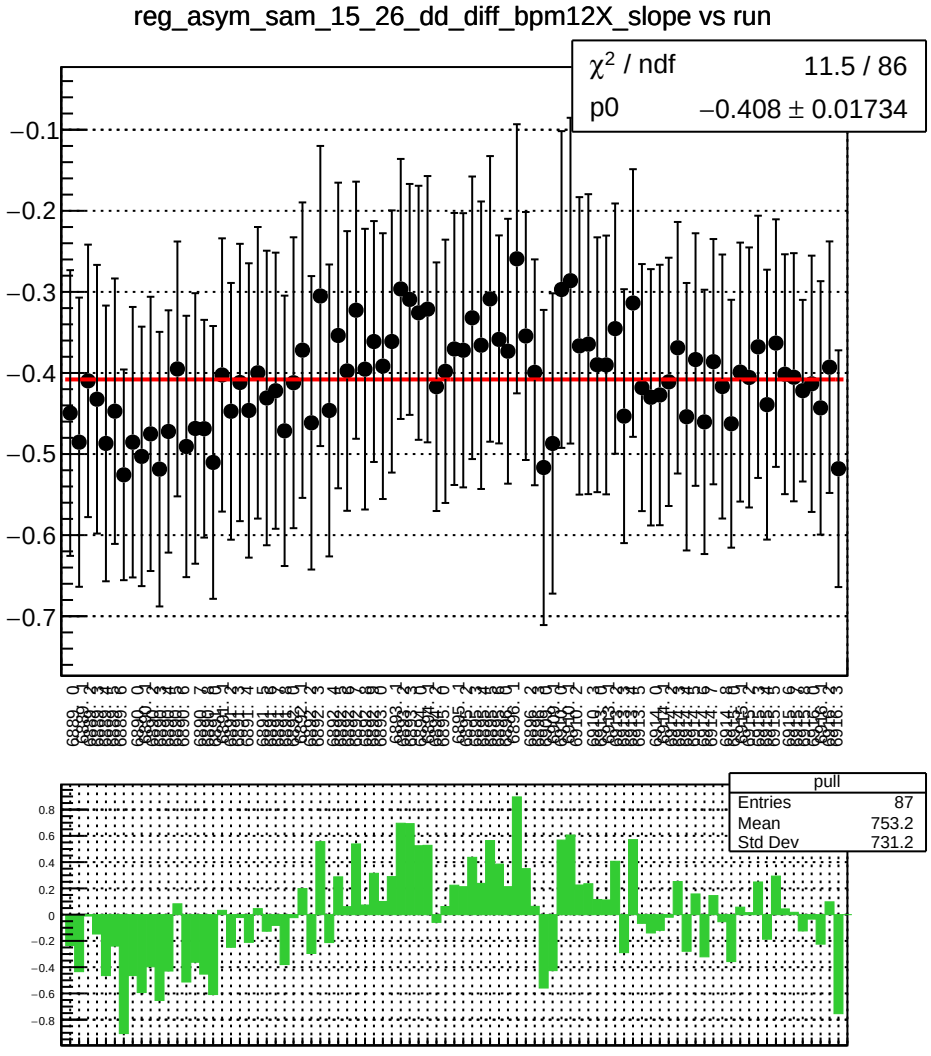

pull1D
Entries 87
Mean 0.01309
Std Dev 0.3377

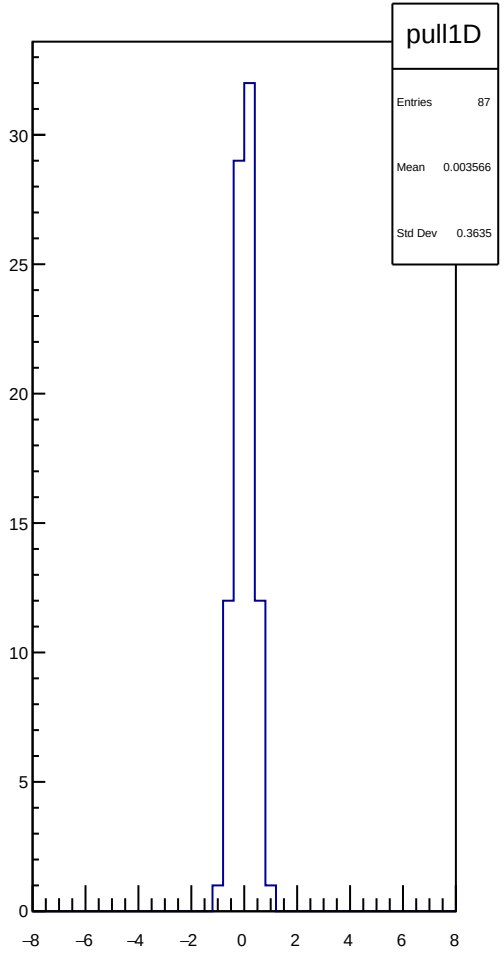

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.33 / 86
p0 29.44 ± 0.4265
pull
Entries 87
Mean 453.5
Std Dev 403.7

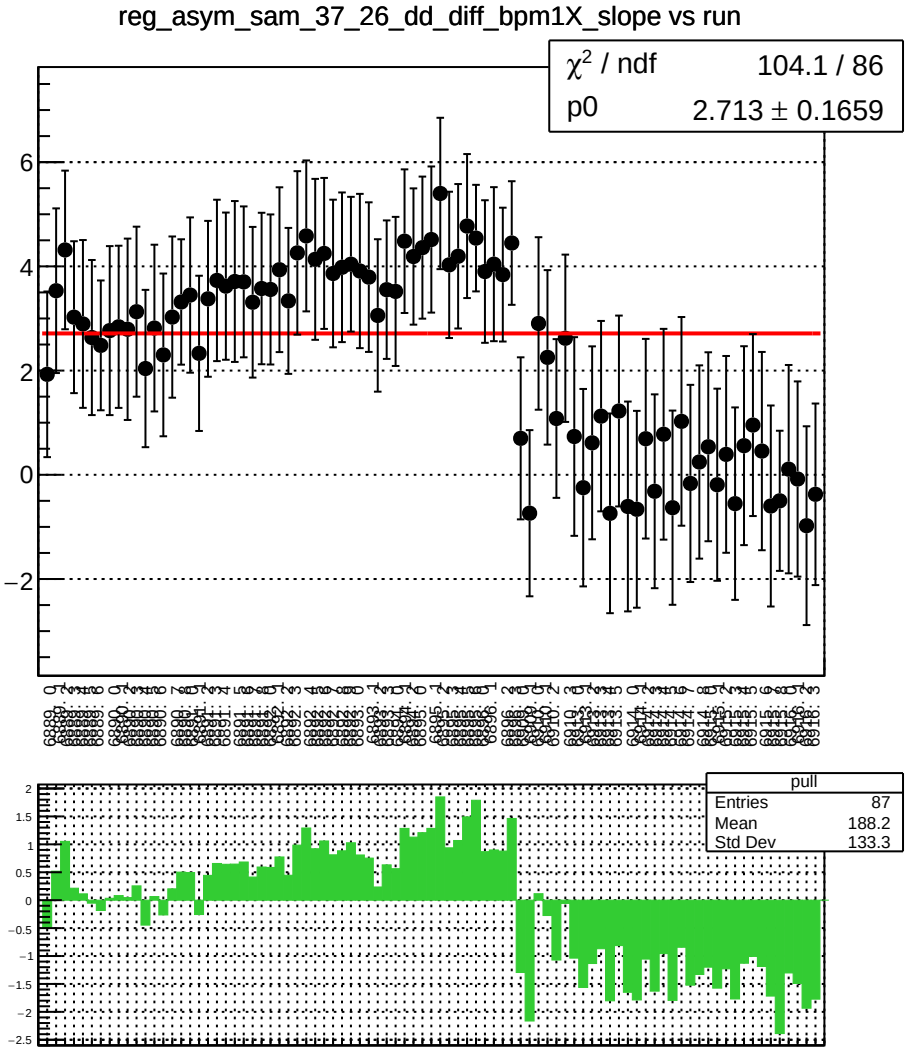

pull1D
Entries 87
Mean −0.006909
Std Dev 0.3609

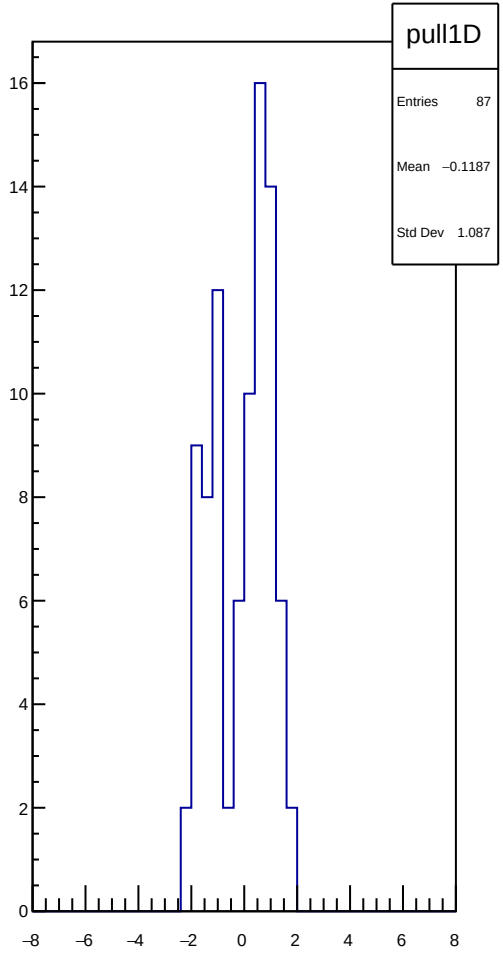

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.84 / 86
p0 44.14 ± 0.3943
pull
Entries 87
Mean −1286
Std Dev 1426

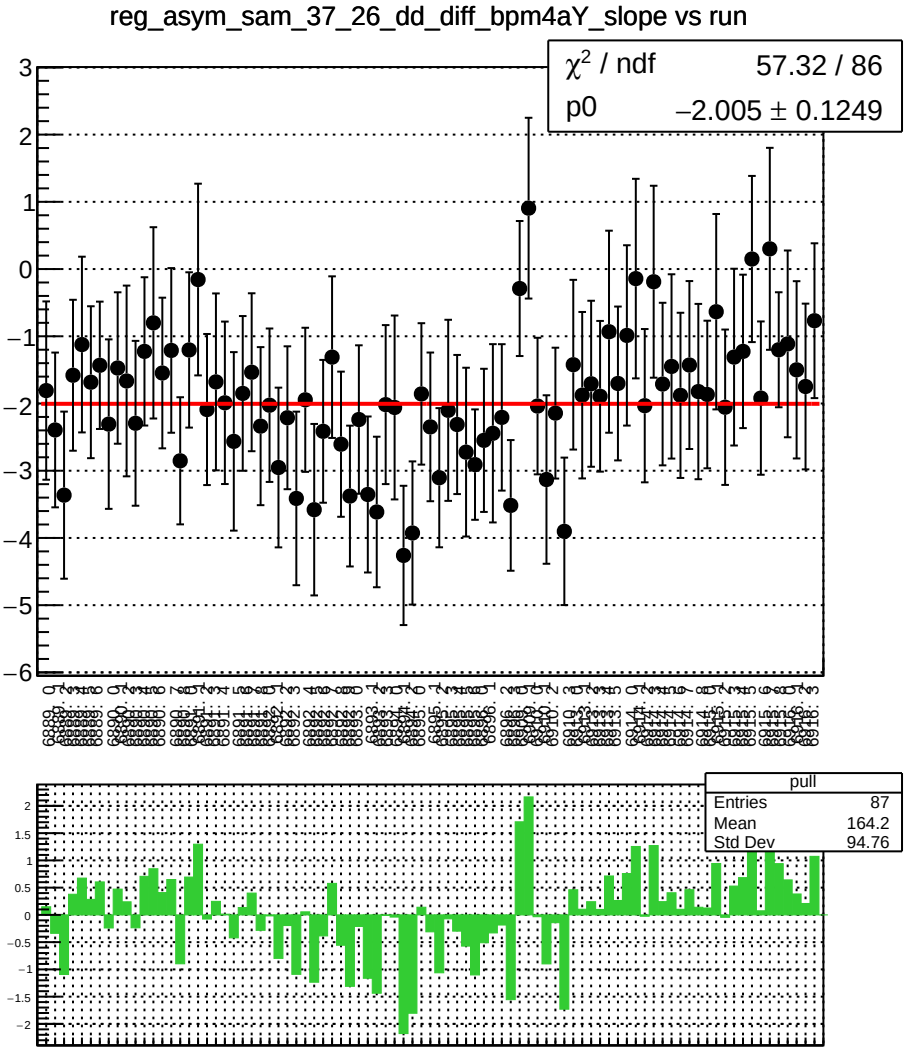

pull1D
Entries 87
Mean 0.000413
Std Dev 0.413

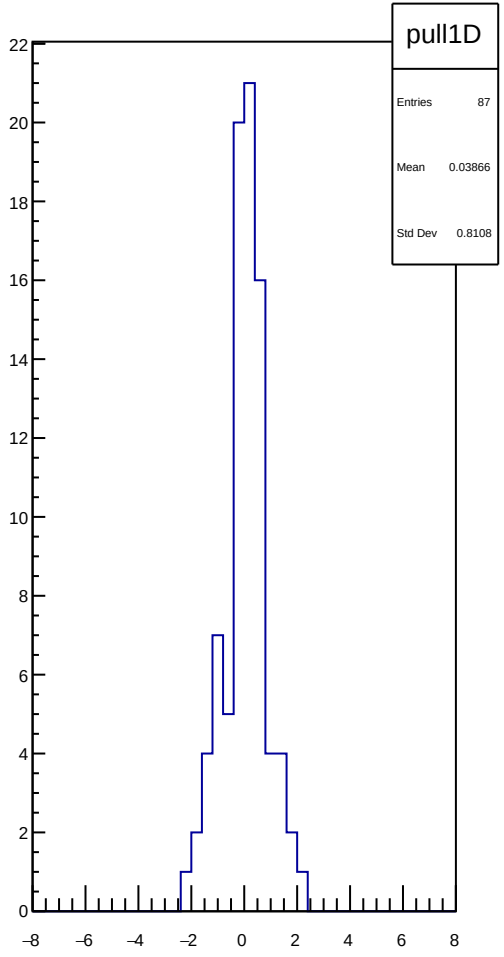

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.5 / 86
p0 −0.408 ± 0.01734
pull
Entries 87
Mean 753.2
Std Dev 731.2


pull1D
Entries 87
Mean 0.003566
Std Dev 0.3635

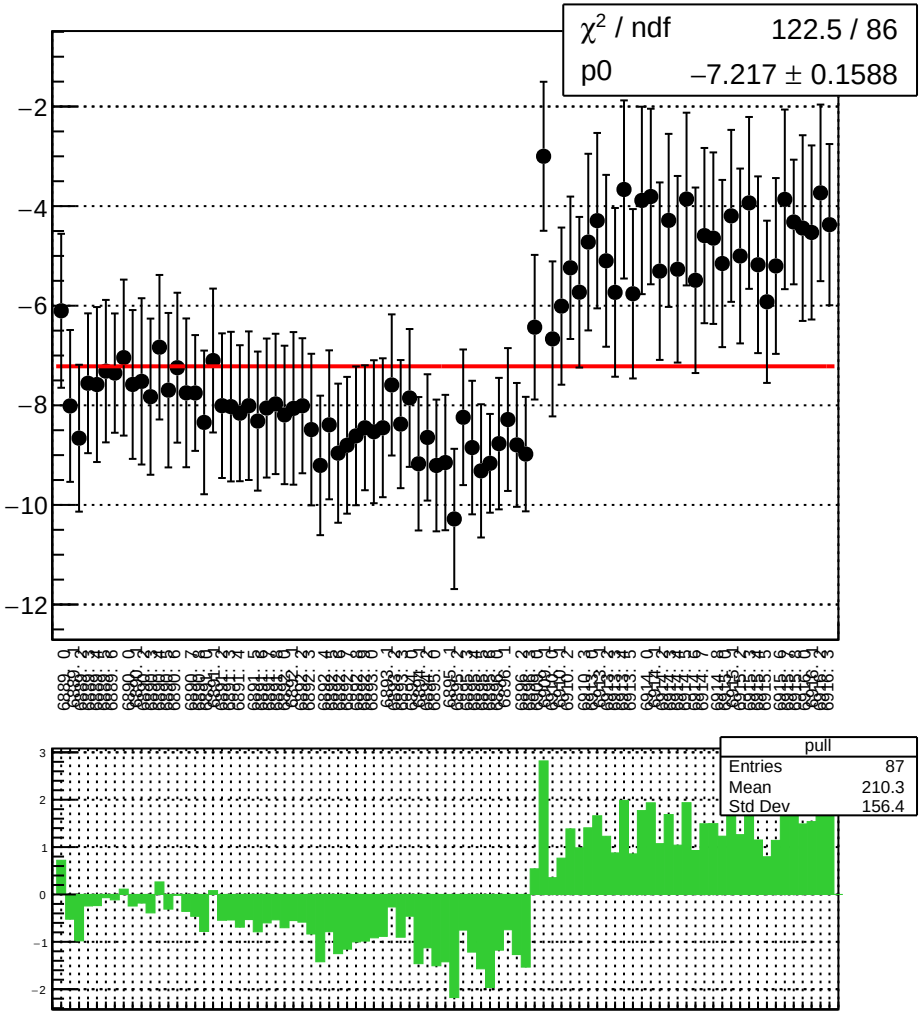

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 104.1 / 86
p0 2.713 ± 0.1659
pull
Entries 87
Mean 188.2
Std Dev 133.3

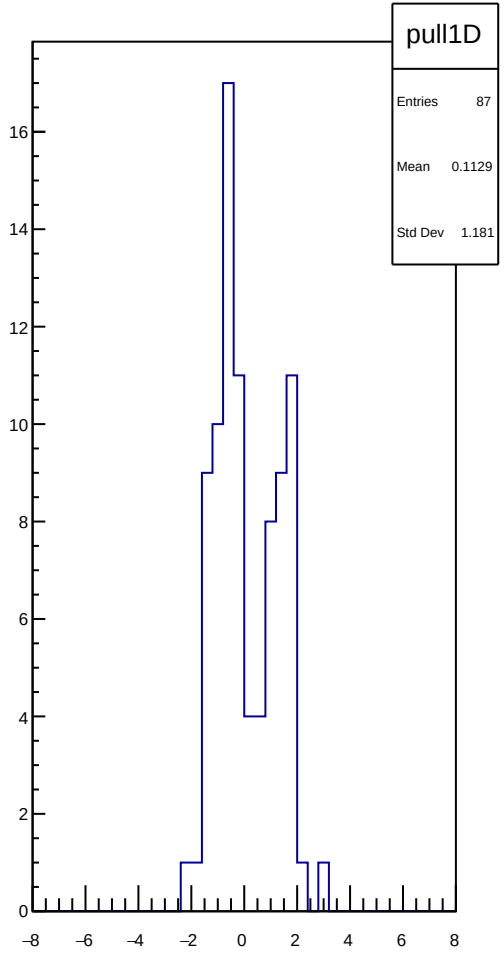

pull1D
Entries 87
Mean −0.1187
Std Dev 1.087

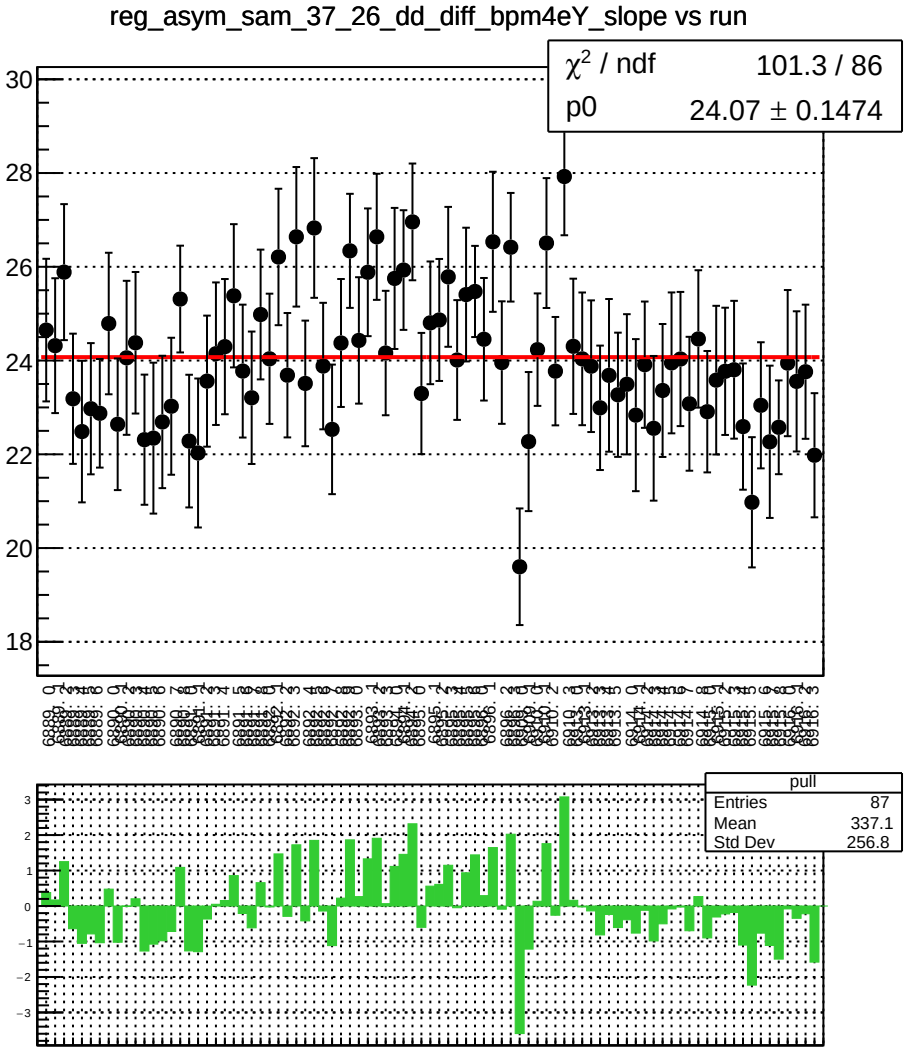

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.32 / 86
p0 −2.005 ± 0.1249
pull
Entries 87
Mean 164.2
Std Dev 94.76

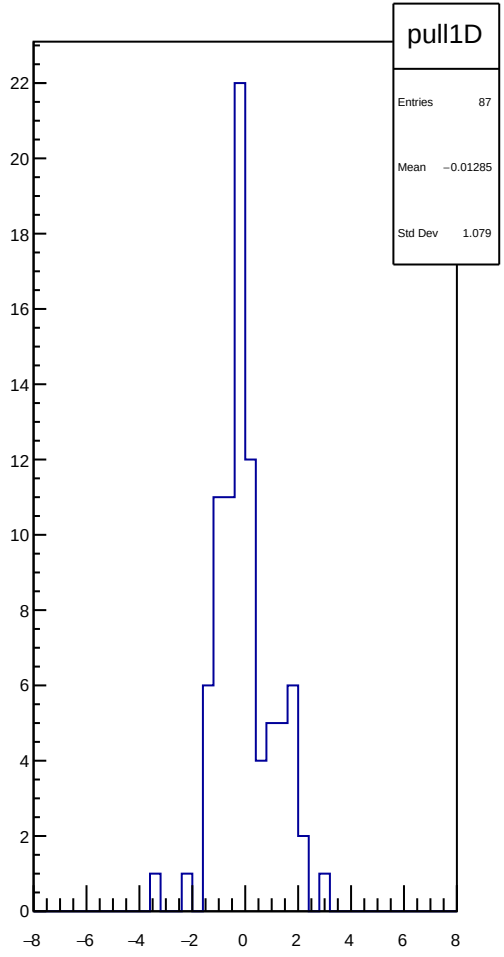

pull1D
Entries 87
Mean 0.03866
Std Dev 0.8108

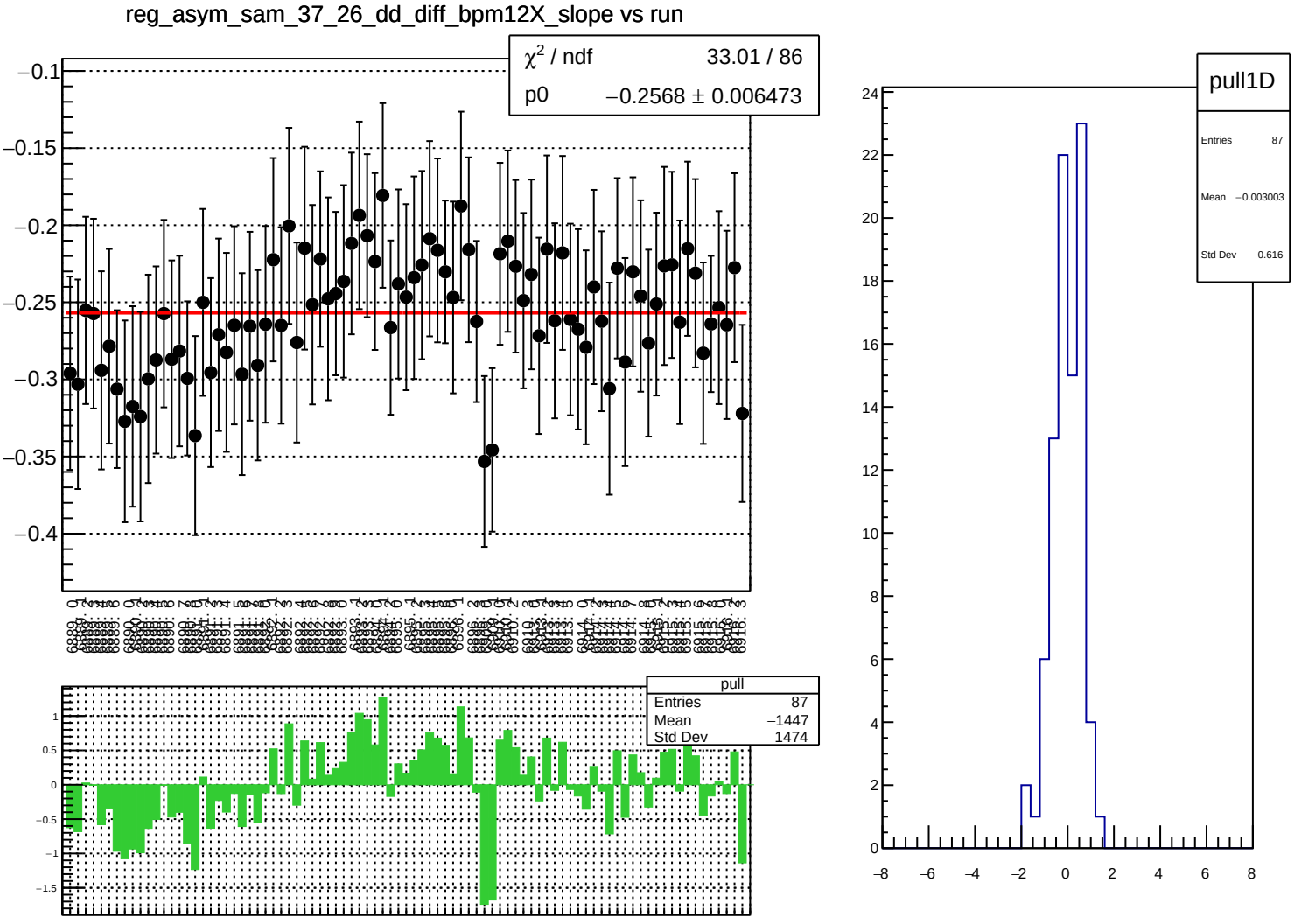
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run

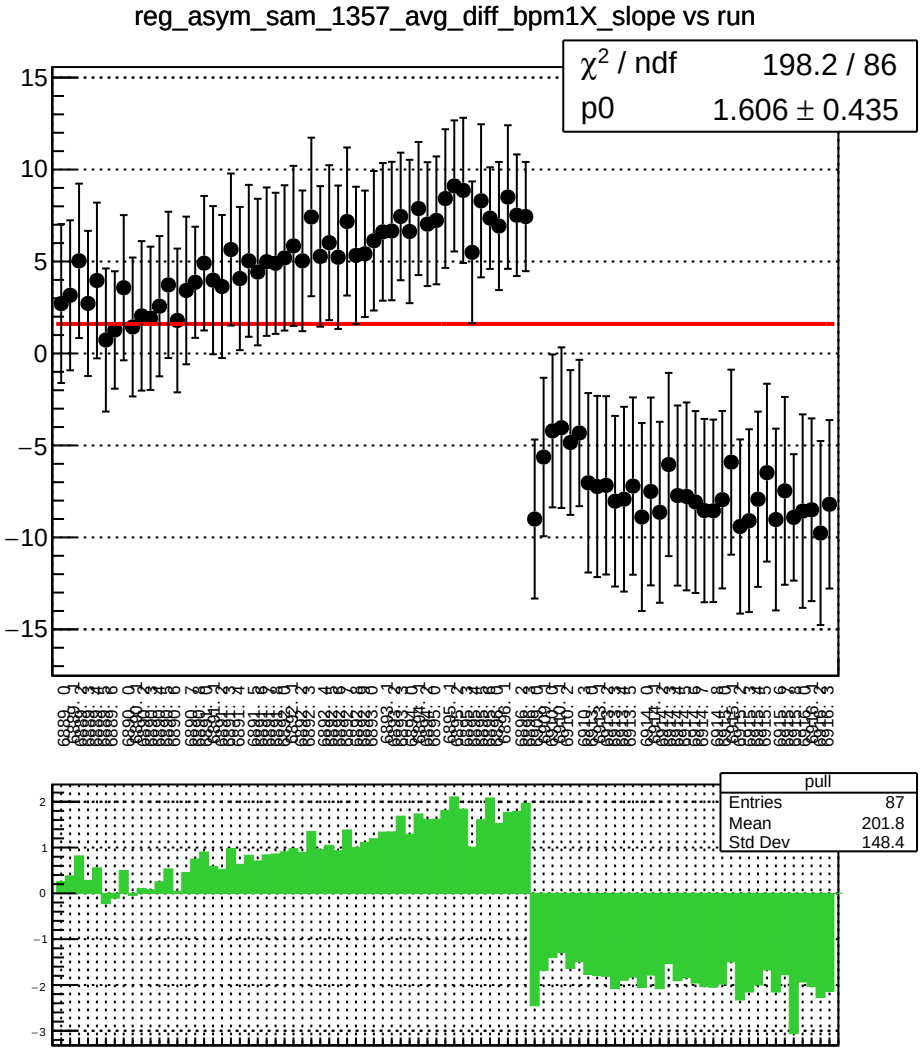


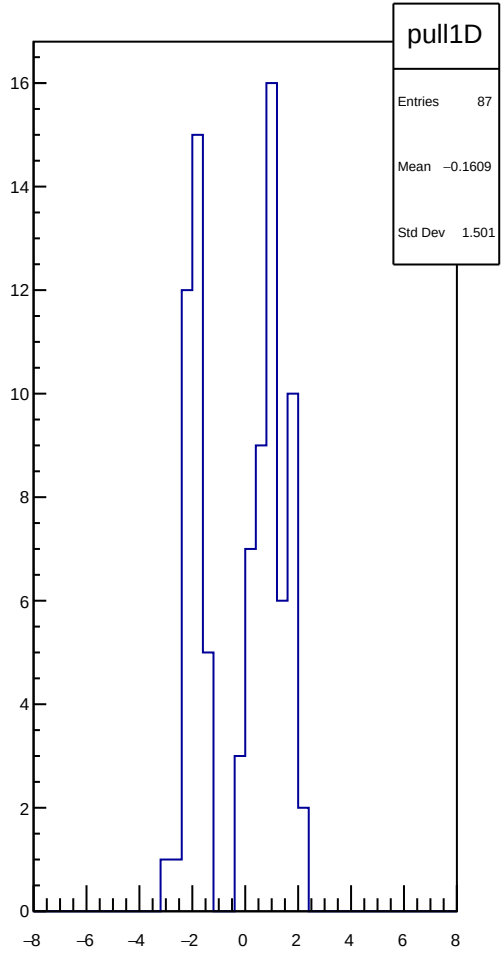


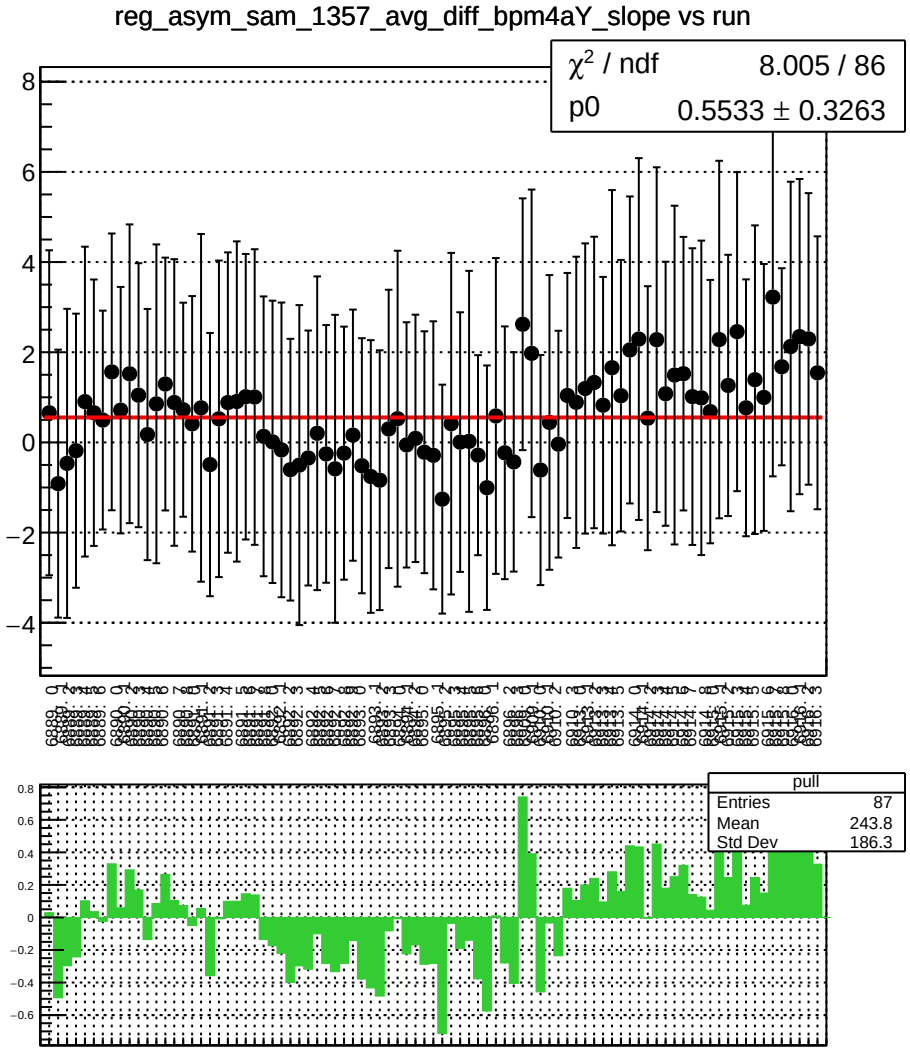

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 101.3 / 86
p0 24.07 ± 0.1474
pull
Entries 87
Mean 337.1
Std Dev 256.8

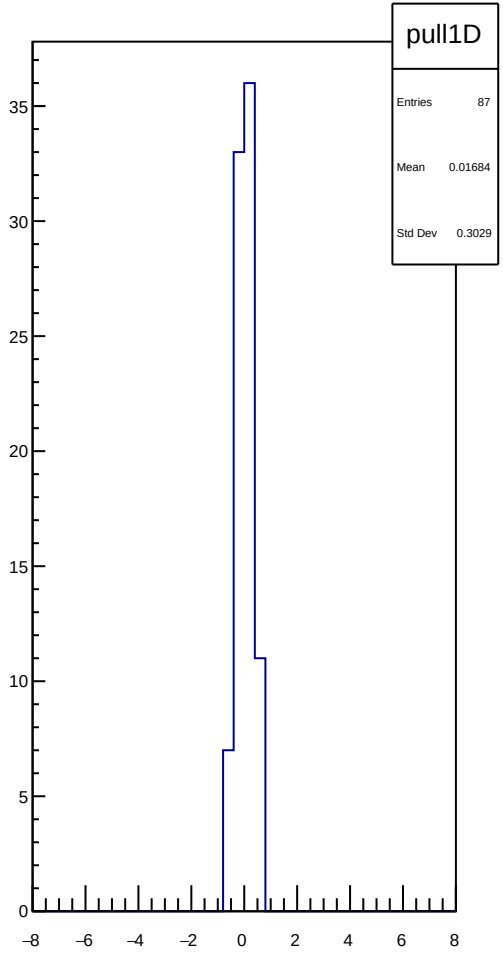

pull1D
Entries 87
Mean −0.01285
Std Dev 1.079

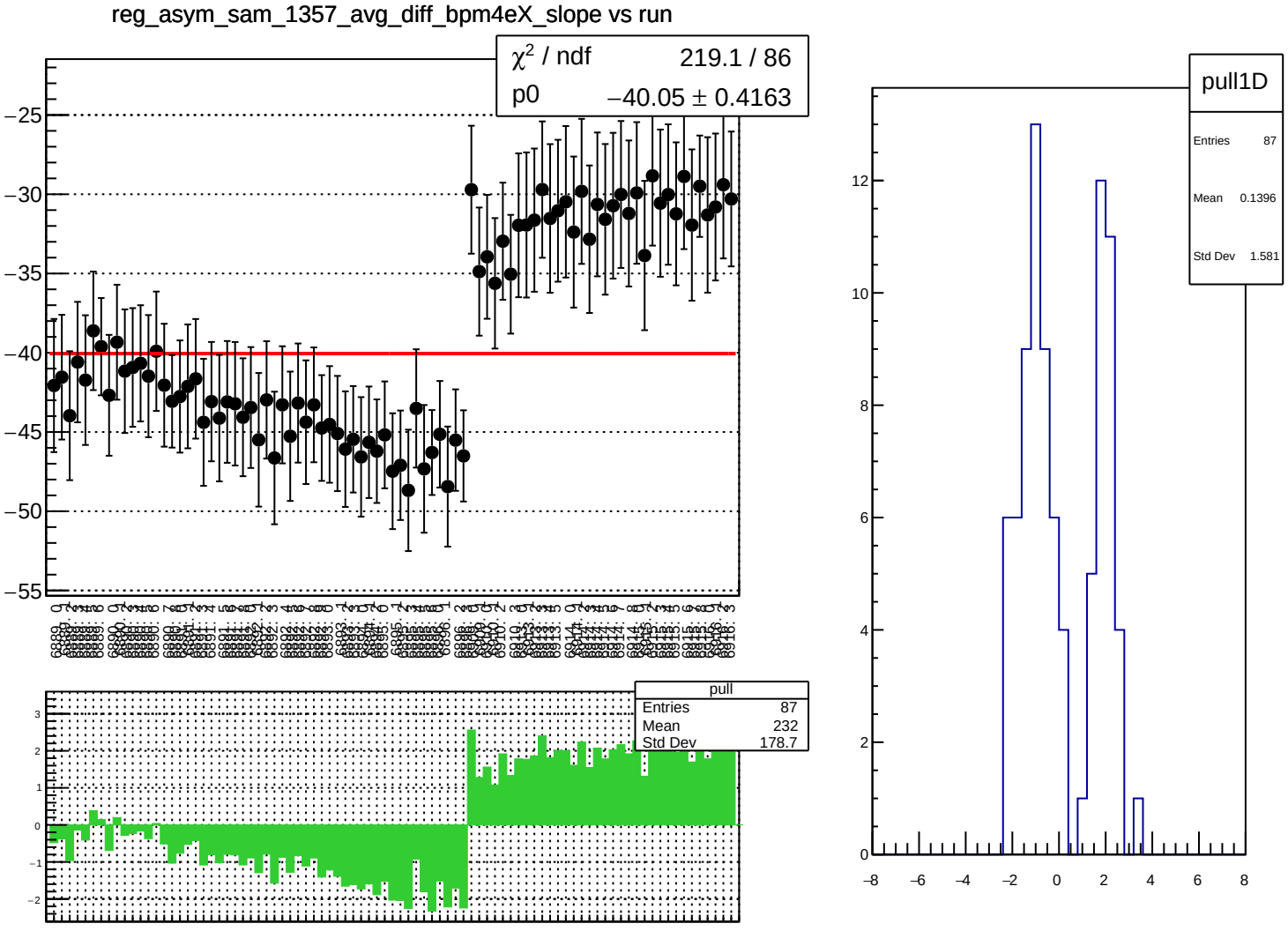

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 33.01 / 86
p0 −0.2568 ± 0.006473
pull
Entries 87
Mean −1447
Std Dev 1474
pull1D
Entries 87
Mean −0.003003
Std Dev 0.616

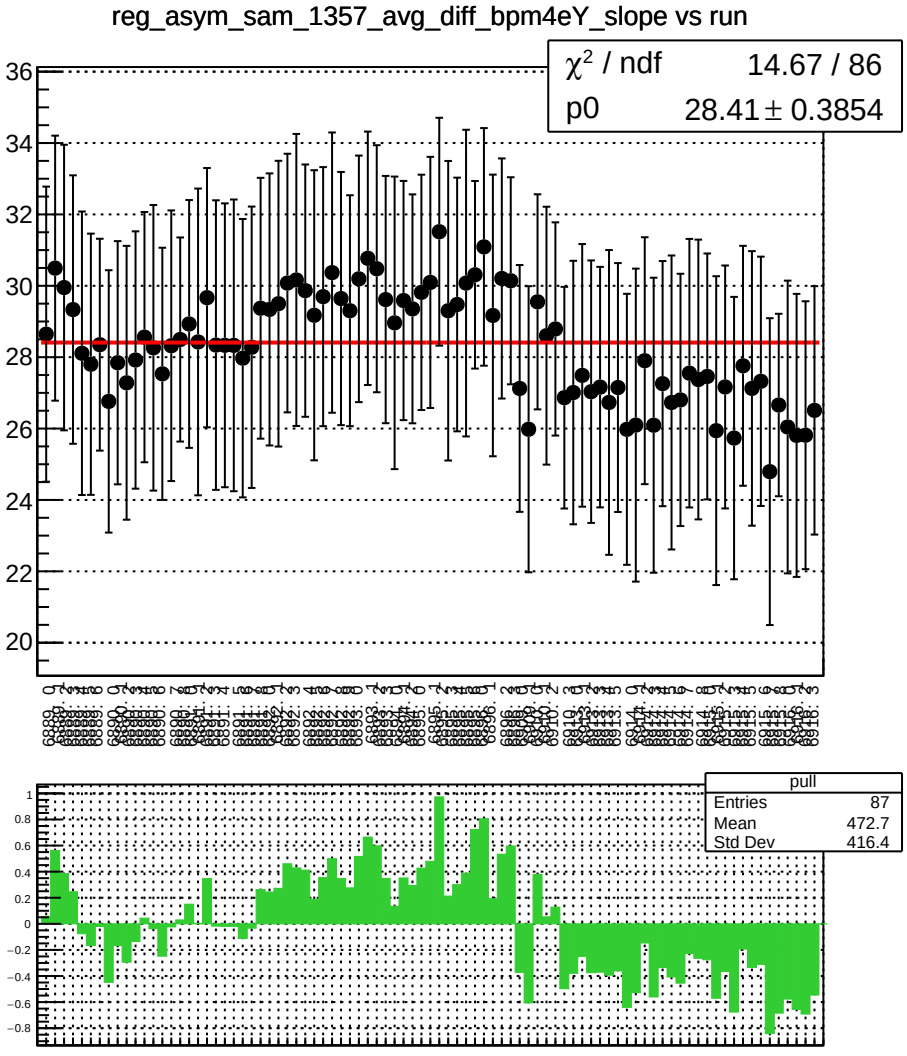

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 198.2 / 86
p0 1.606 ± 0.435
pull
Entries 87
Mean 201.8
Std Dev 148.4

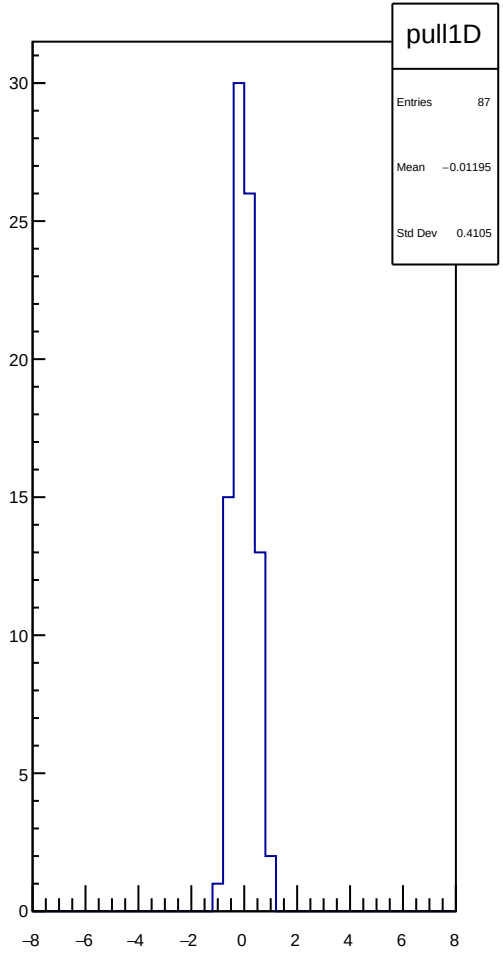

pull1D
Entries 87
Mean −0.1609
Std Dev 1.501

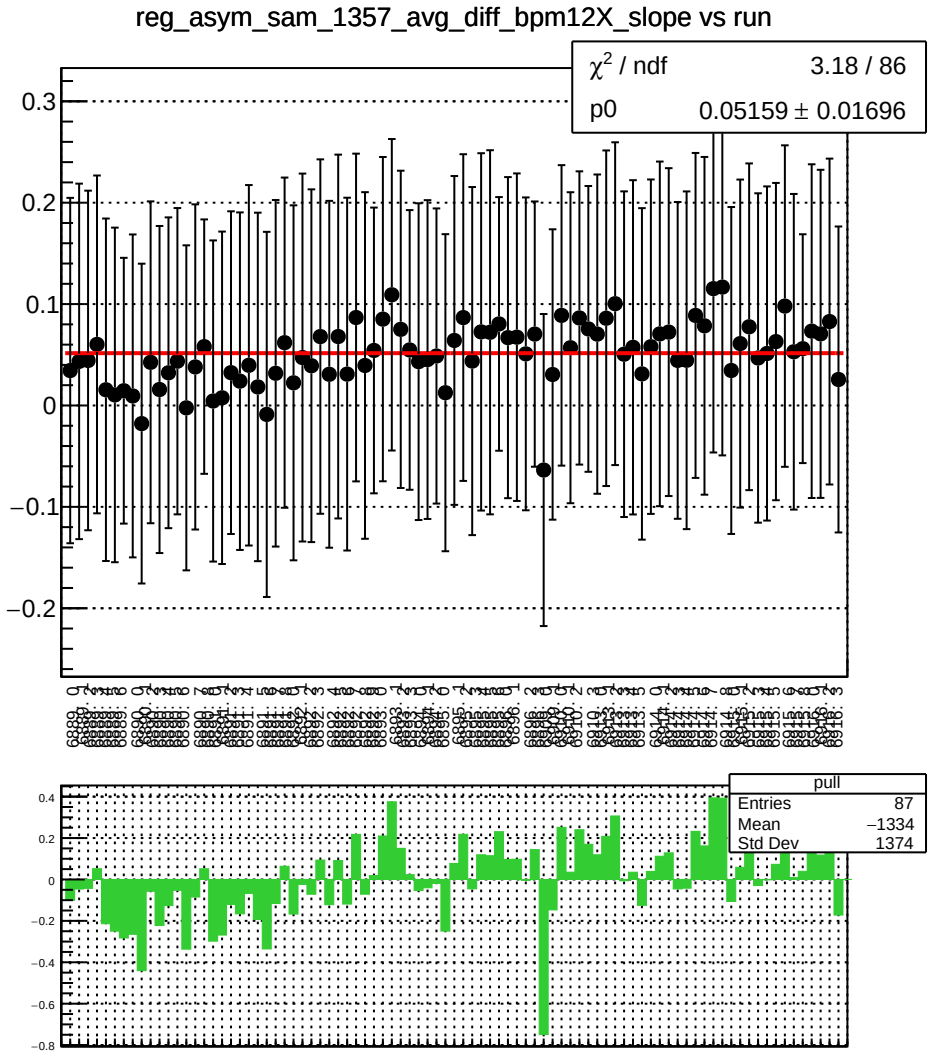

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.005 / 86
p0 0.5533 ± 0.3263
pull
Entries 87
Mean 243.8
Std Dev 186.3

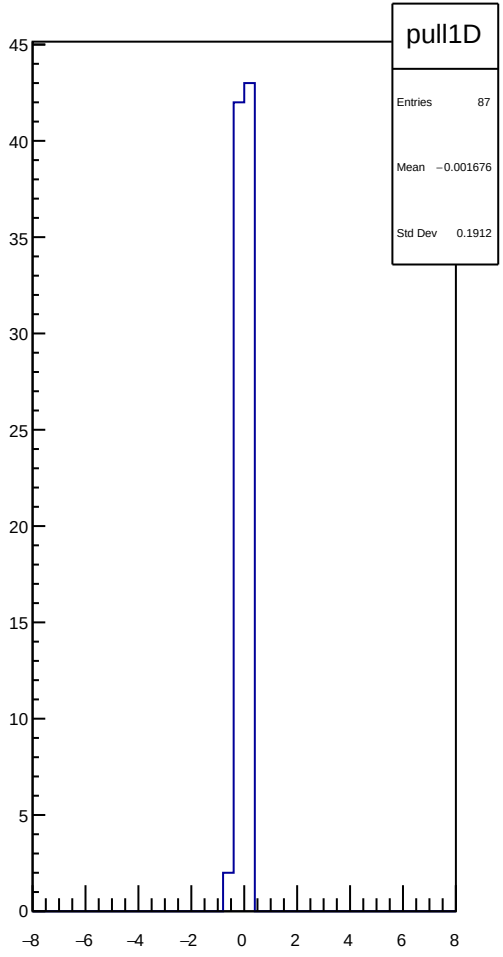

pull1D
Entries 87
Mean 0.01684
Std Dev 0.3029

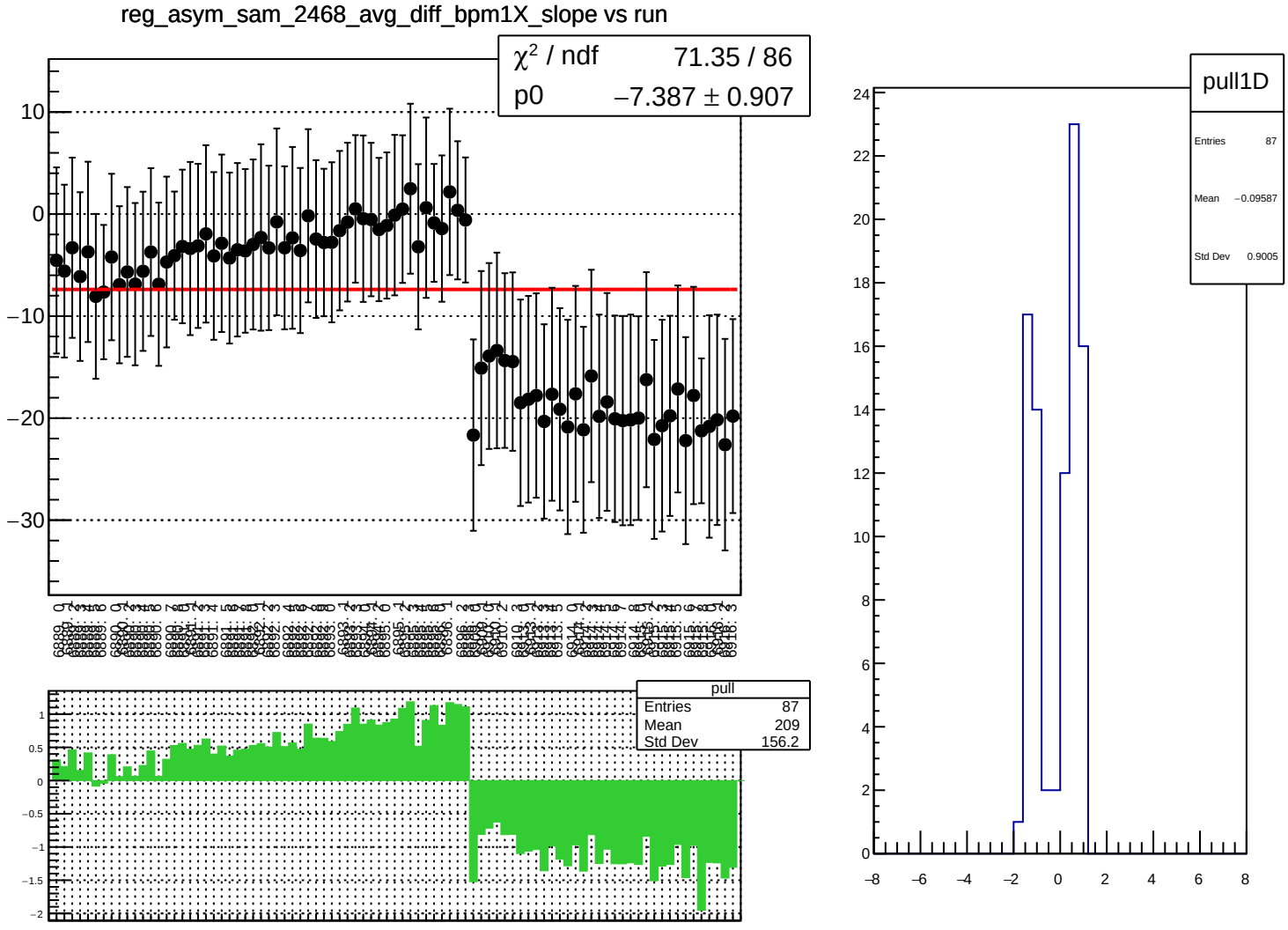

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.1 / 86
p0 −40.05 ± 0.4163
pull
Entries 87
Mean 232
Std Dev 178.7
pull1D
Entries 87
Mean 0.1396
Std Dev 1.581

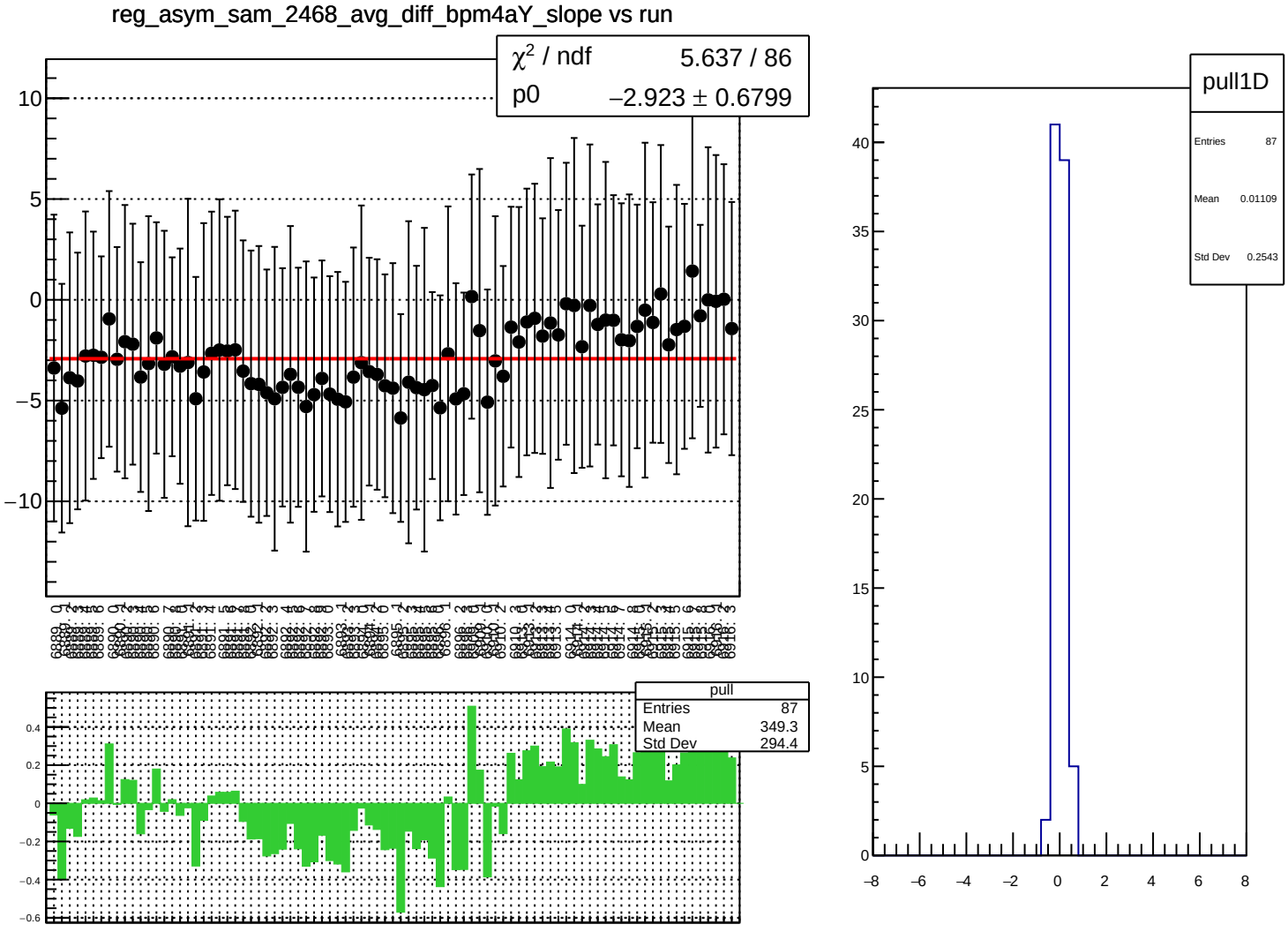

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.67 / 86
p0 28.41 ± 0.3854
pull
Entries 87
Mean 472.7
Std Dev 416.4

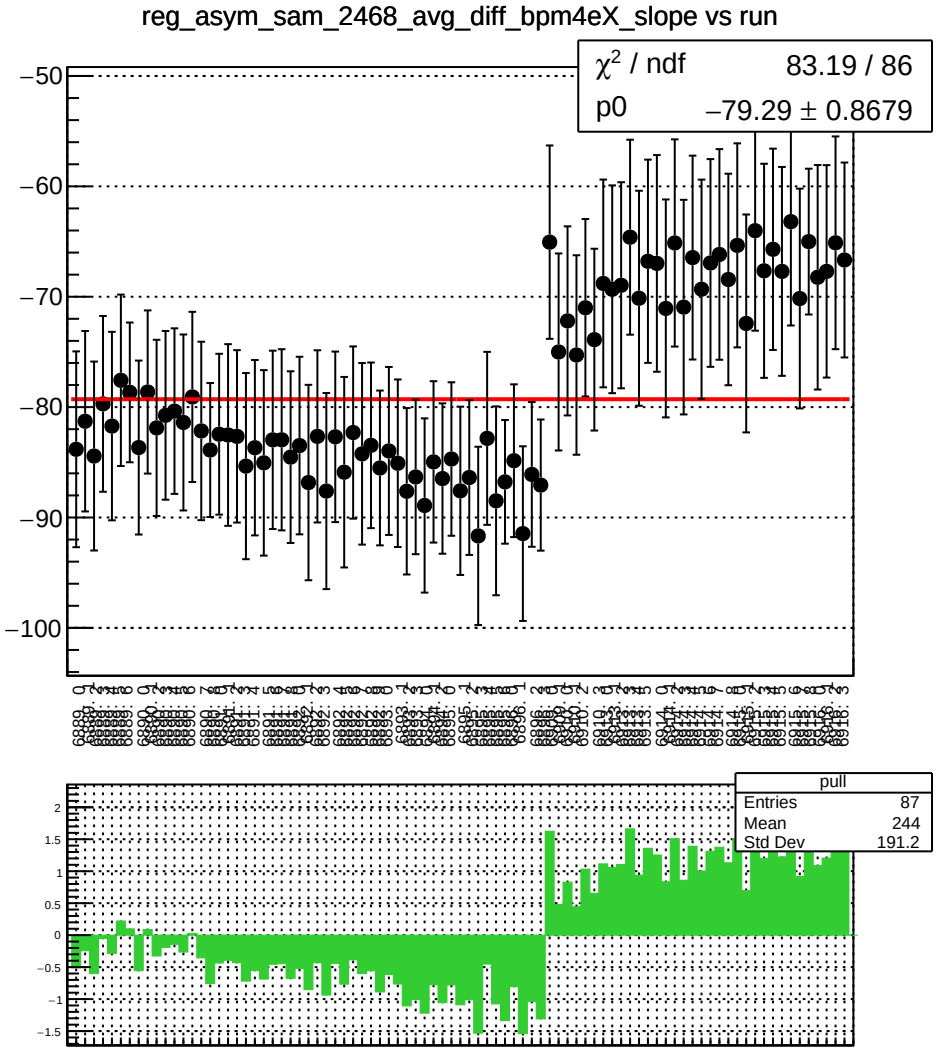

pull1D
Entries 87
Mean −0.01195
Std Dev 0.4105

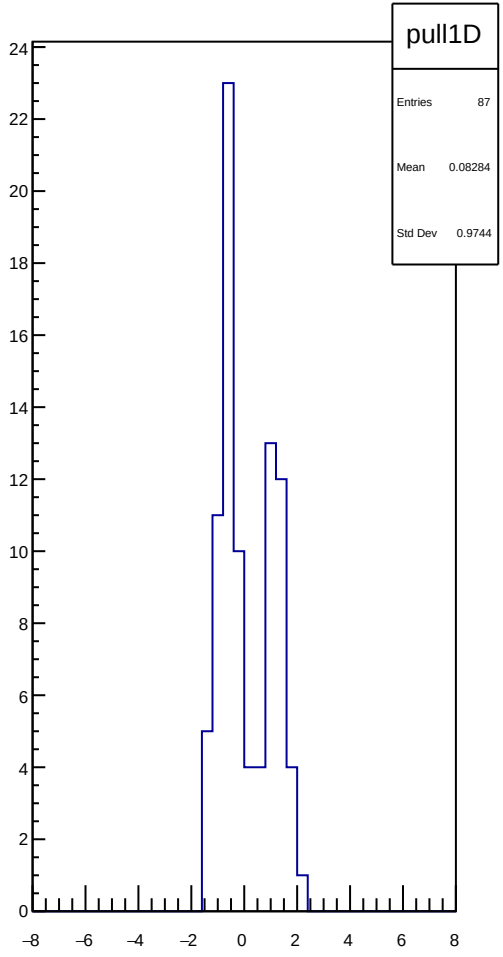

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.18 / 86
p0 0.05159 ± 0.01696
pull
Entries 87
Mean −1334
Std Dev 1374

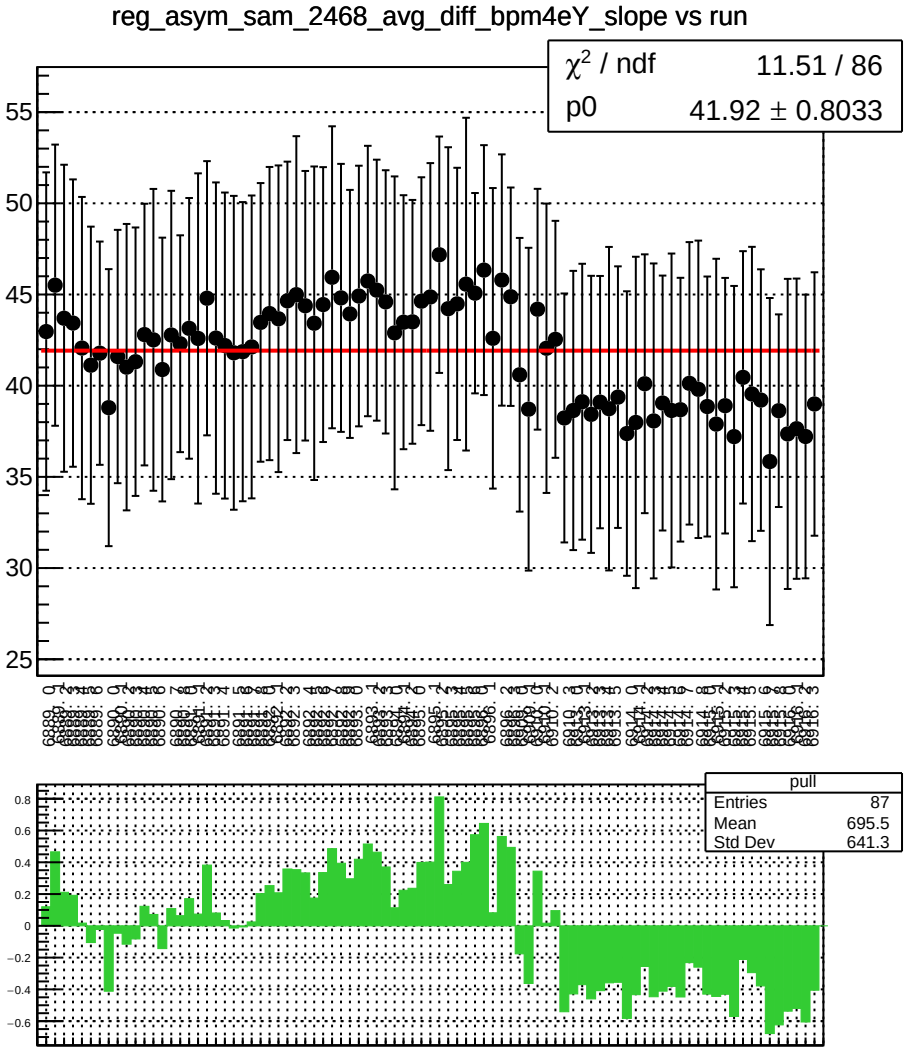

pull1D
Entries 87
Mean −0.001676
Std Dev 0.1912

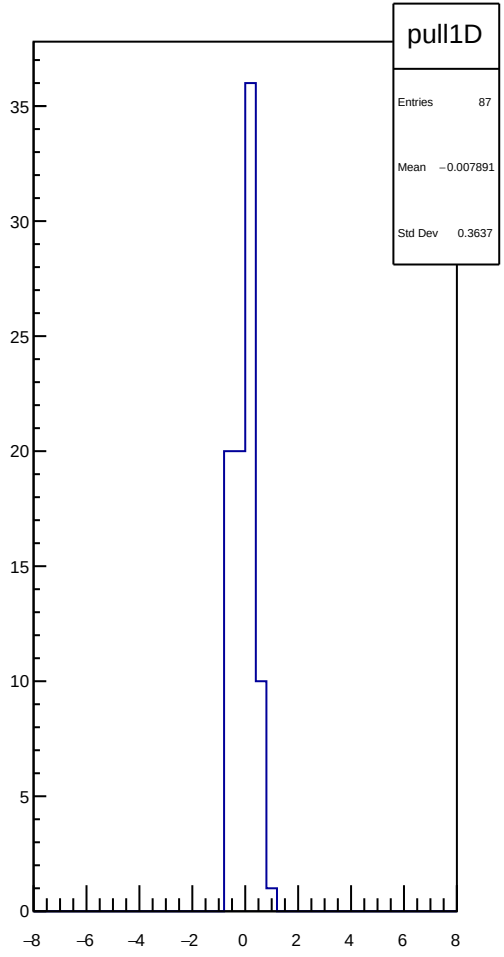

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 71.35 / 86
p0 −7.387 ± 0.907
pull
Entries 87
Mean 209
Std Dev 156.2
pull1D
Entries 87
Mean −0.09587
Std Dev 0.9005

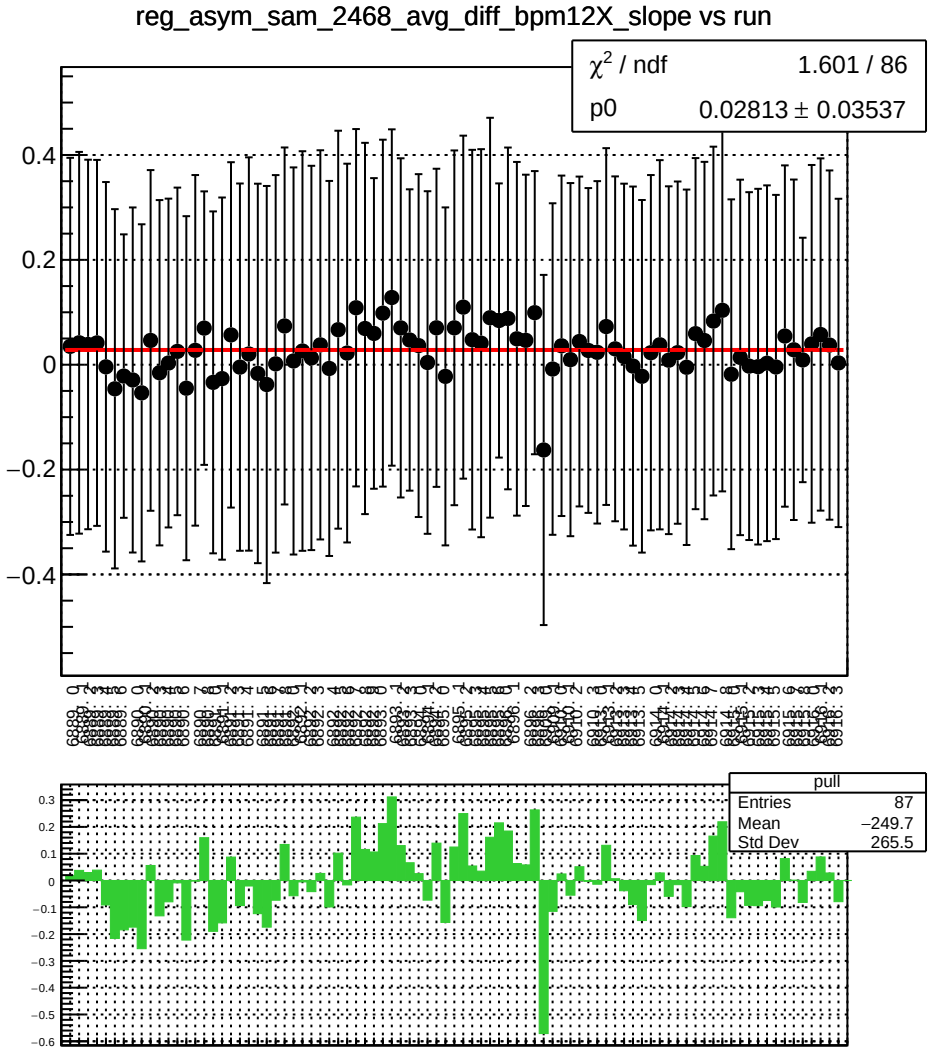

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.637 / 86
p0 −2.923 ± 0.6799
pull
Entries 87
Mean 349.3
Std Dev 294.4
pull1D
Entries 87
Mean 0.01109
Std Dev 0.2543

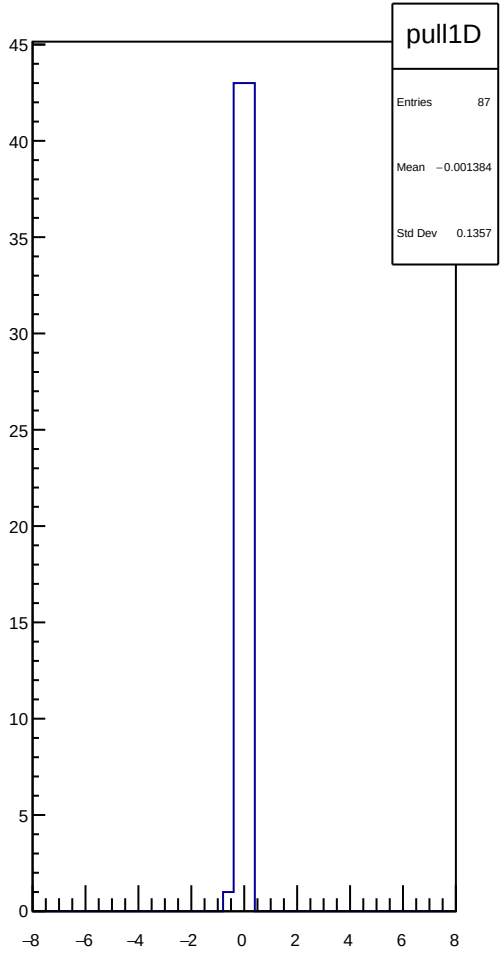

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 83.19 / 86
p0 −79.29 ± 0.8679
pull
Entries 87
Mean 244
Std Dev 191.2

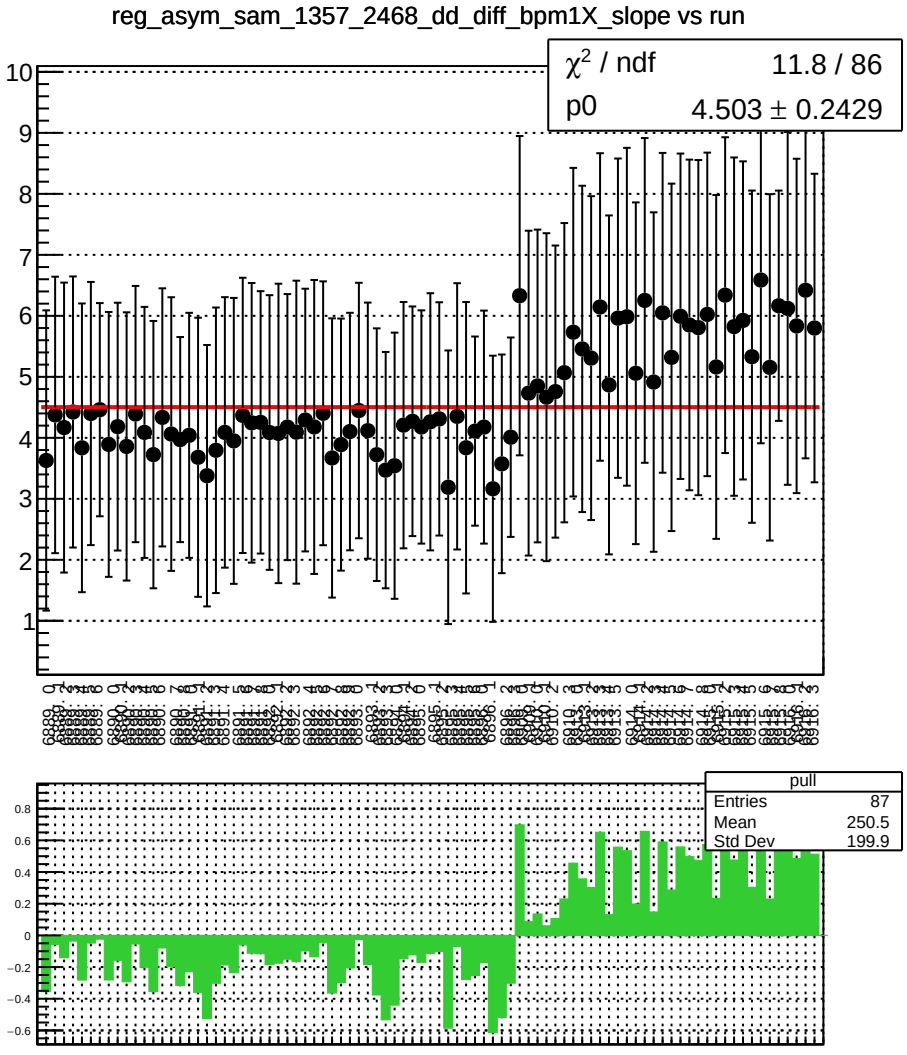

pull1D
Entries 87
Mean 0.08284
Std Dev 0.9744

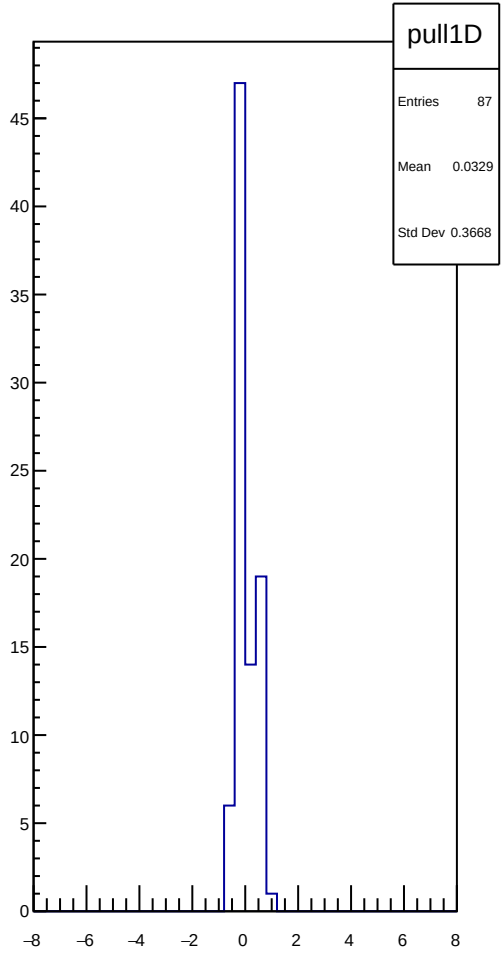

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.51 / 86
p0 41.92 ± 0.8033
pull
Entries 87
Mean 695.5
Std Dev 641.3


pull1D
Entries 87
Mean −0.007891
Std Dev 0.3637

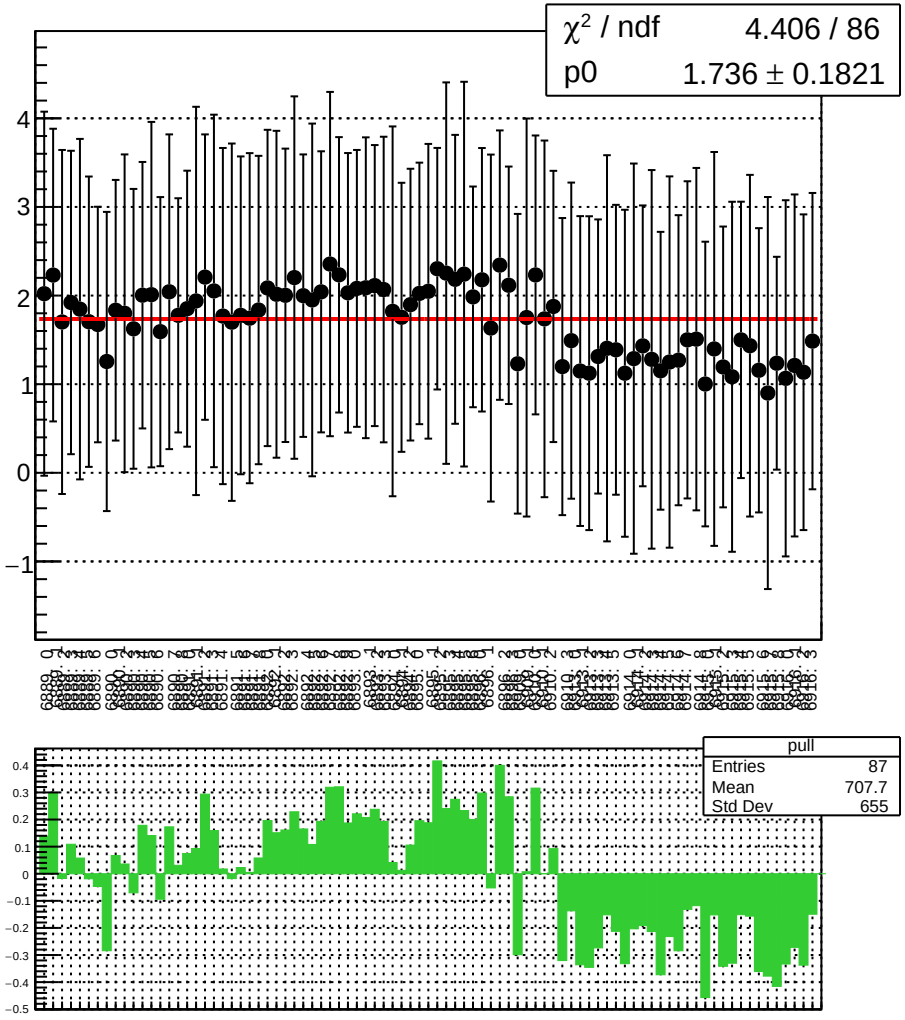

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.601 / 86
p0 0.02813 ± 0.03537
pull
Entries 87
Mean −249.7
Std Dev 265.5

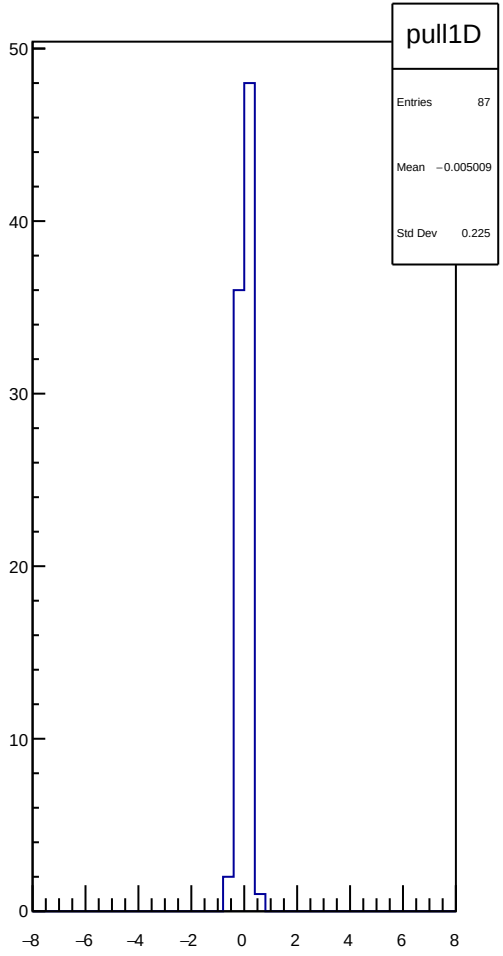

pull1D
Entries 87
Mean −0.001384
Std Dev 0.1357


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 11.8 / 86
p0 4.503 ± 0.2429
pull
Entries 87
Mean 250.5
Std Dev 199.9

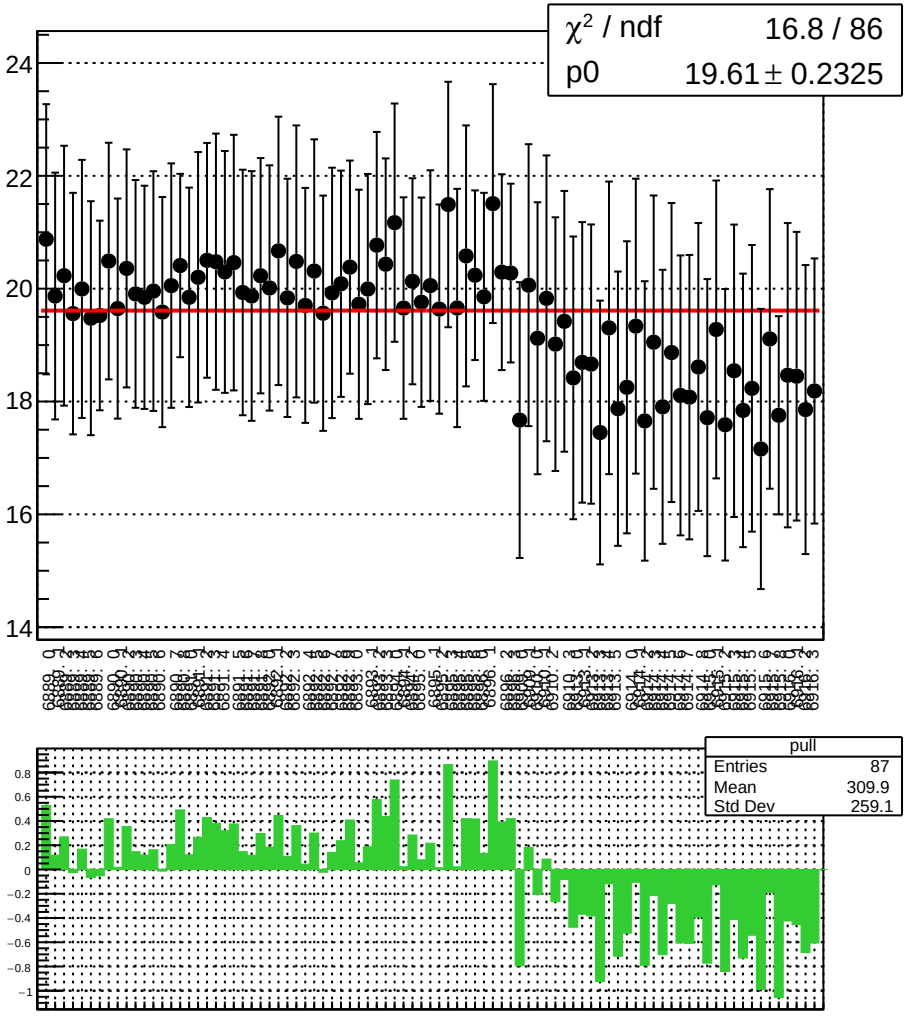

pull1D
Entries 87
Mean 0.0329
Std Dev 0.3668

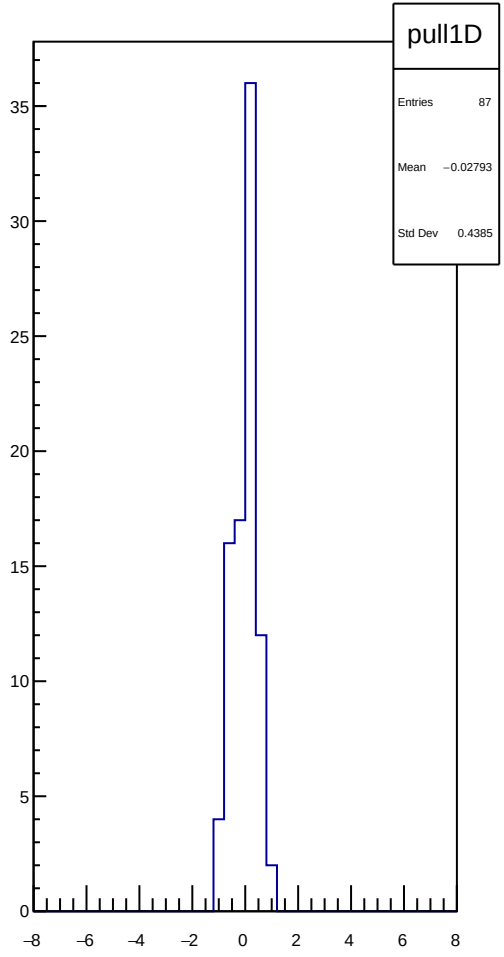
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run



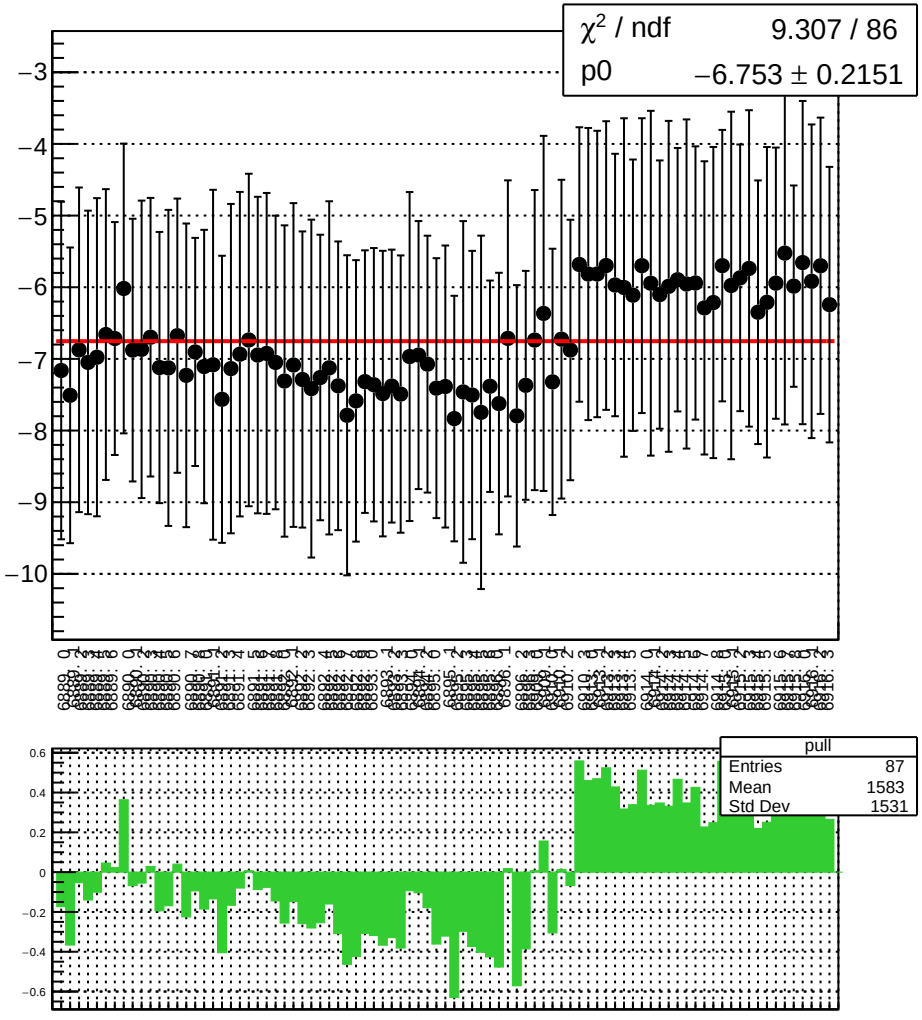


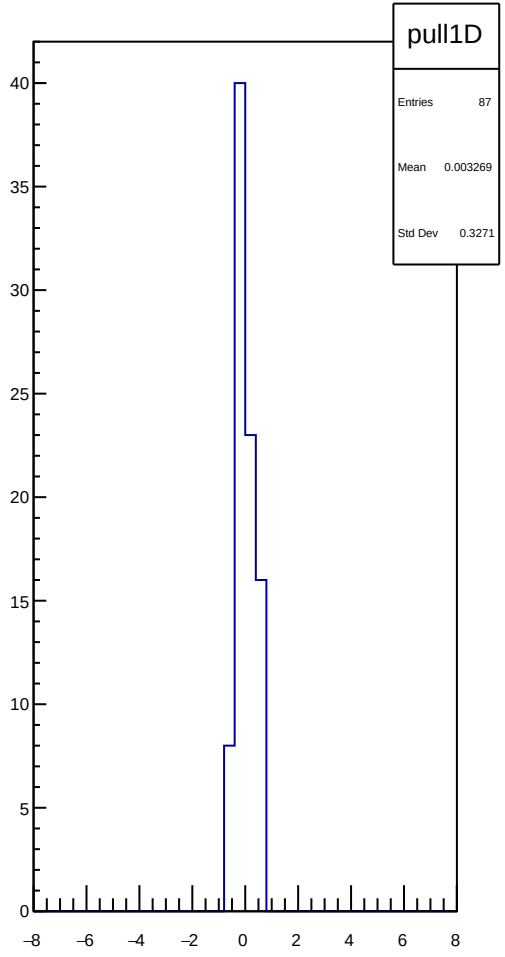
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

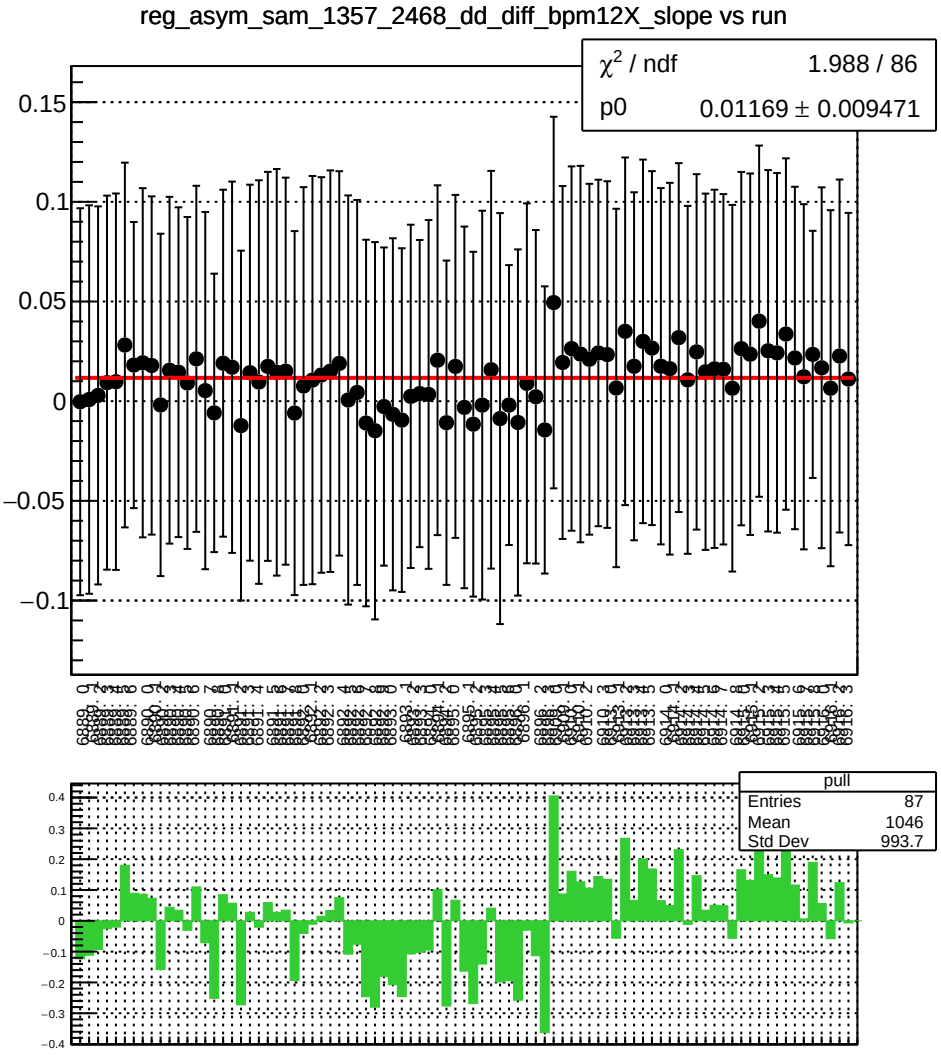


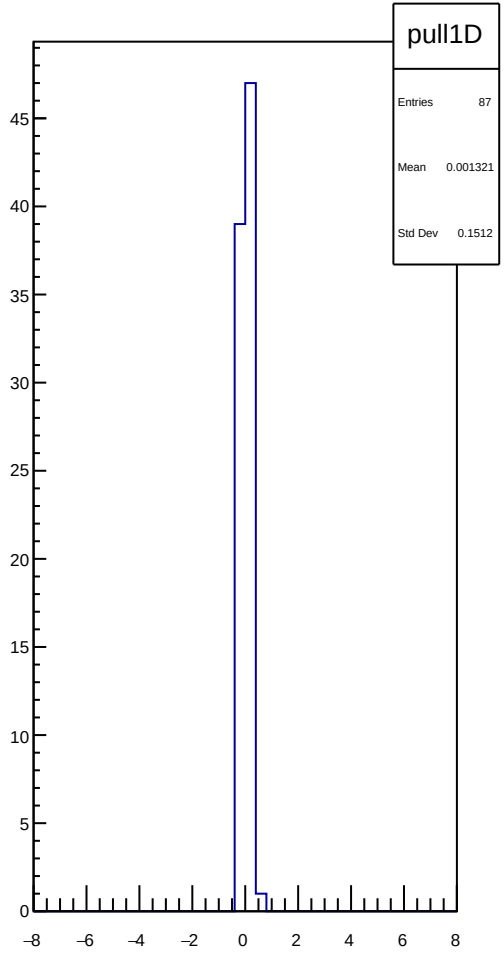


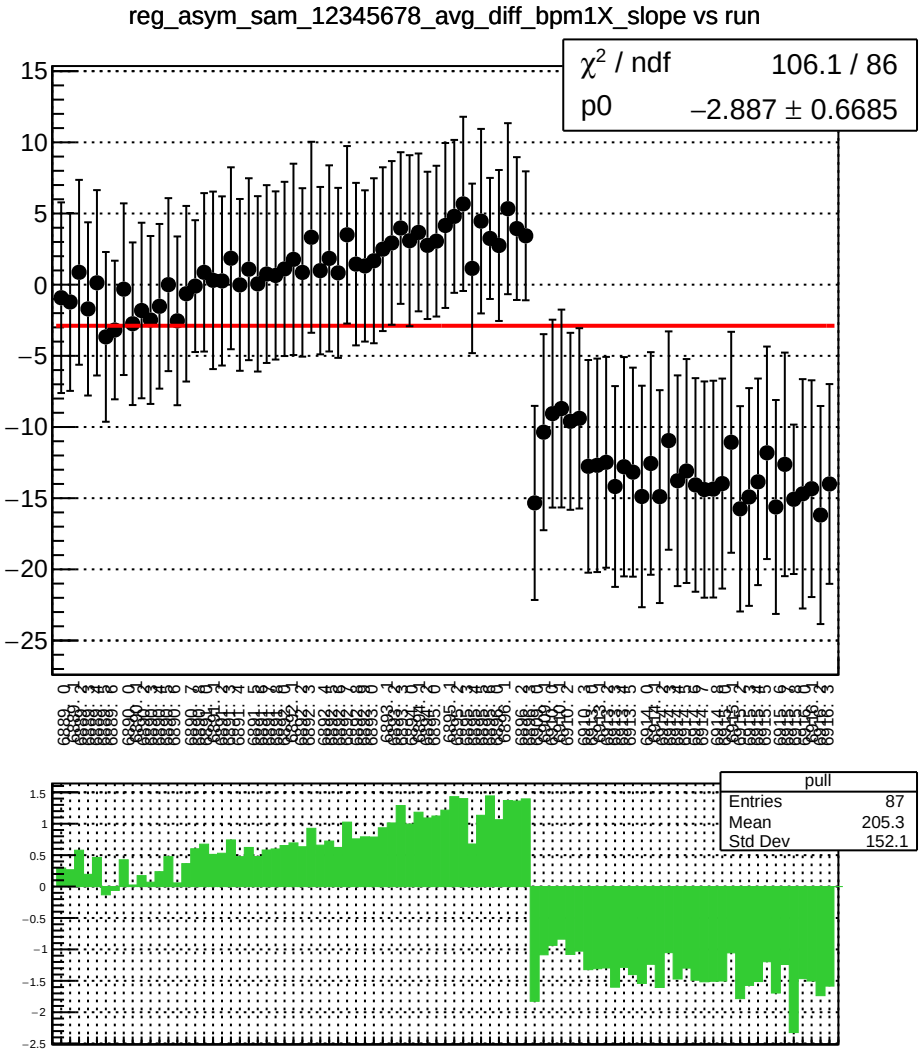
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

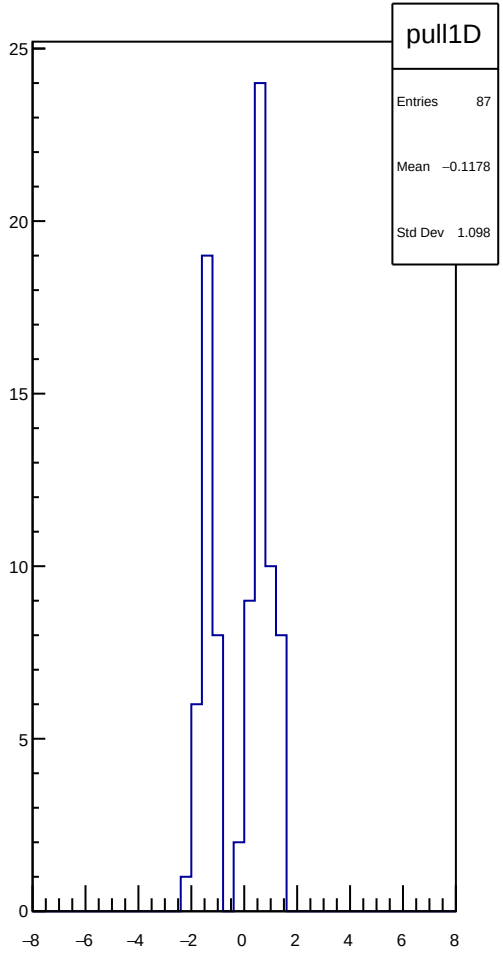


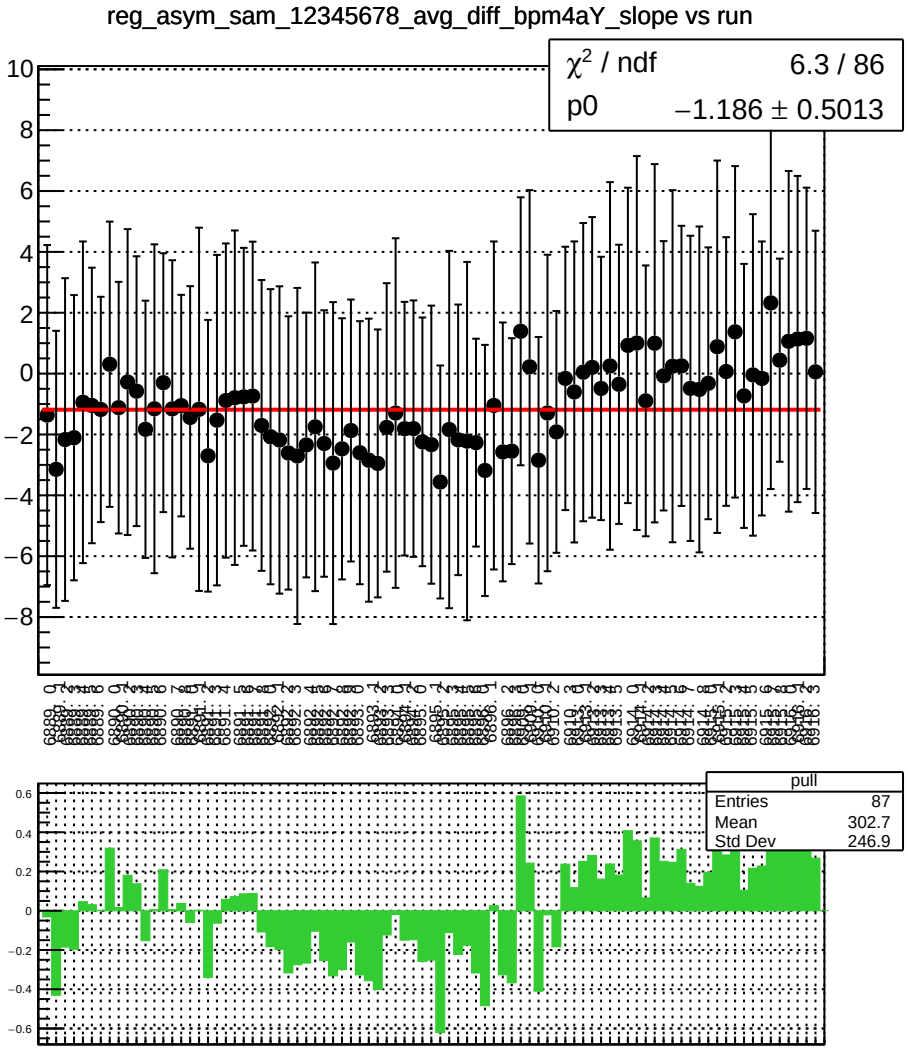


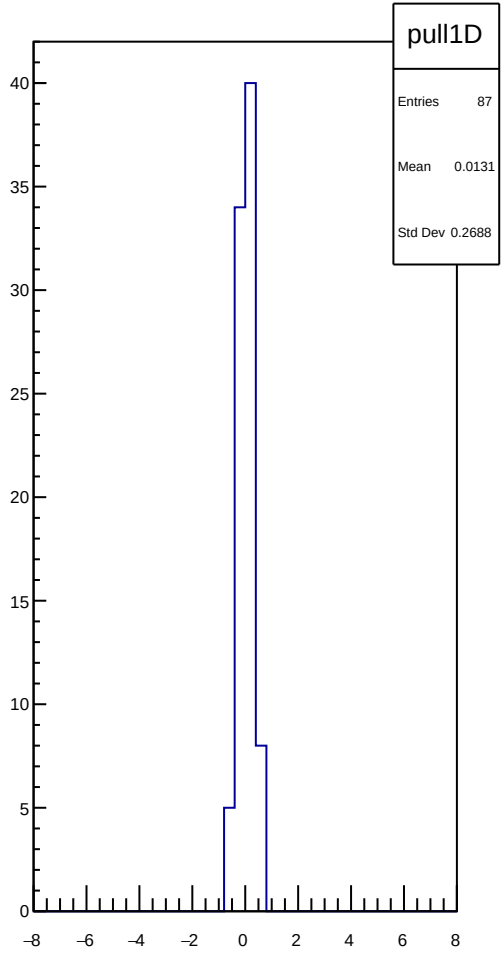

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.988 / 86
p0 0.01169 ± 0.009471
pull
Entries 87
Mean 1046
Std Dev 993.7


pull1D
Entries 87
Mean 0.001321
Std Dev 0.1512

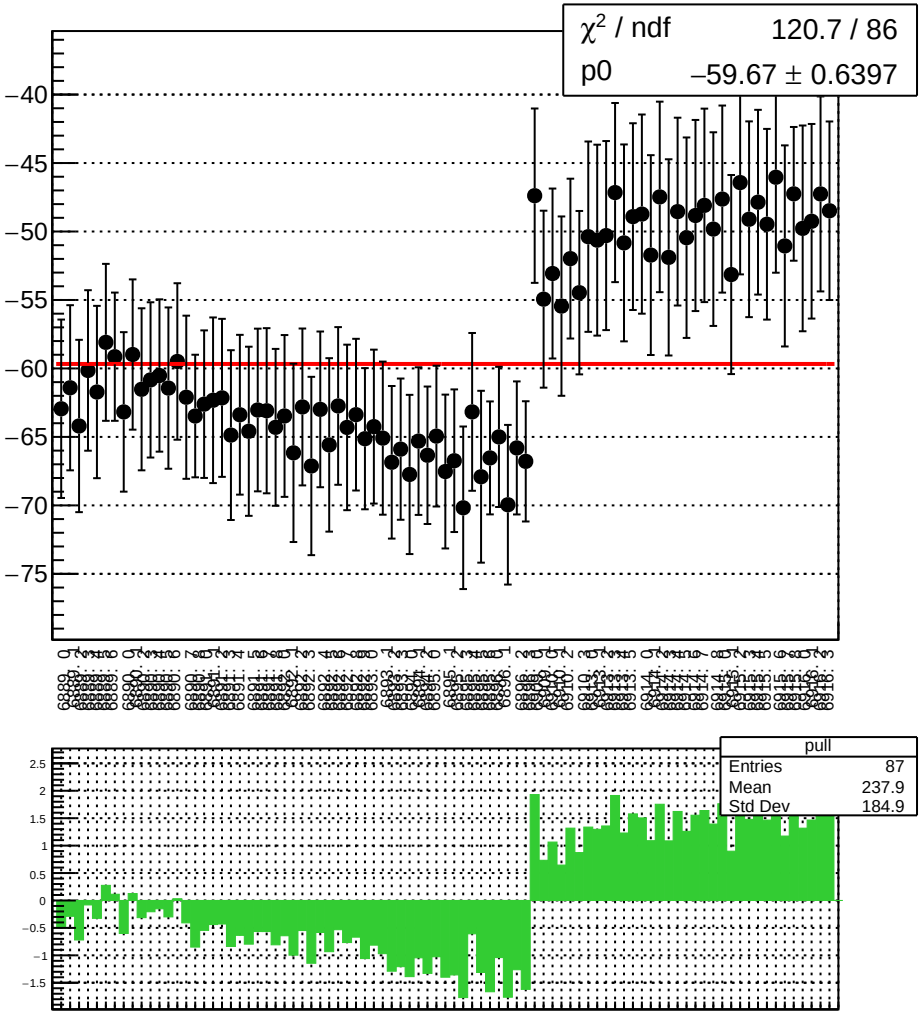

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 106.1 / 86
p0 −2.887 ± 0.6685
pull
Entries 87
Mean 205.3
Std Dev 152.1

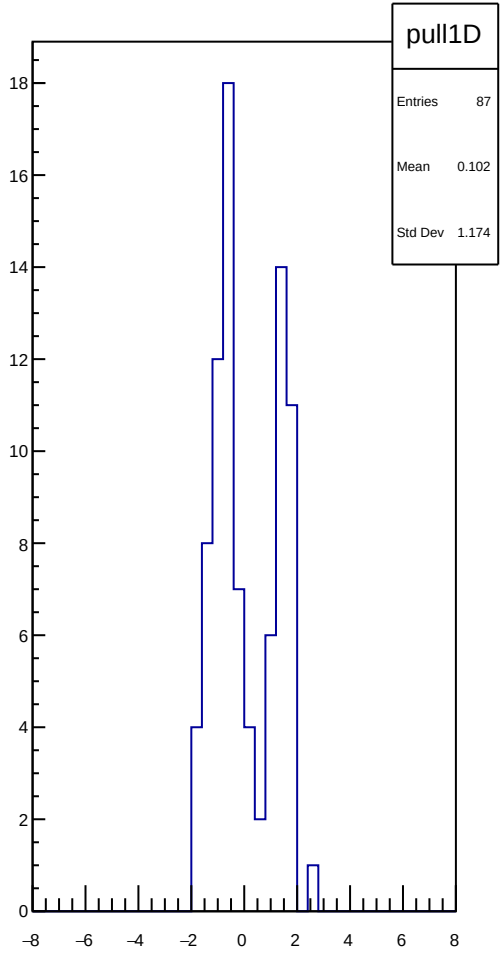

pull1D
Entries 87
Mean −0.1178
Std Dev 1.098


reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.3 / 86
p0 −1.186 ± 0.5013
pull
Entries 87
Mean 302.7
Std Dev 246.9

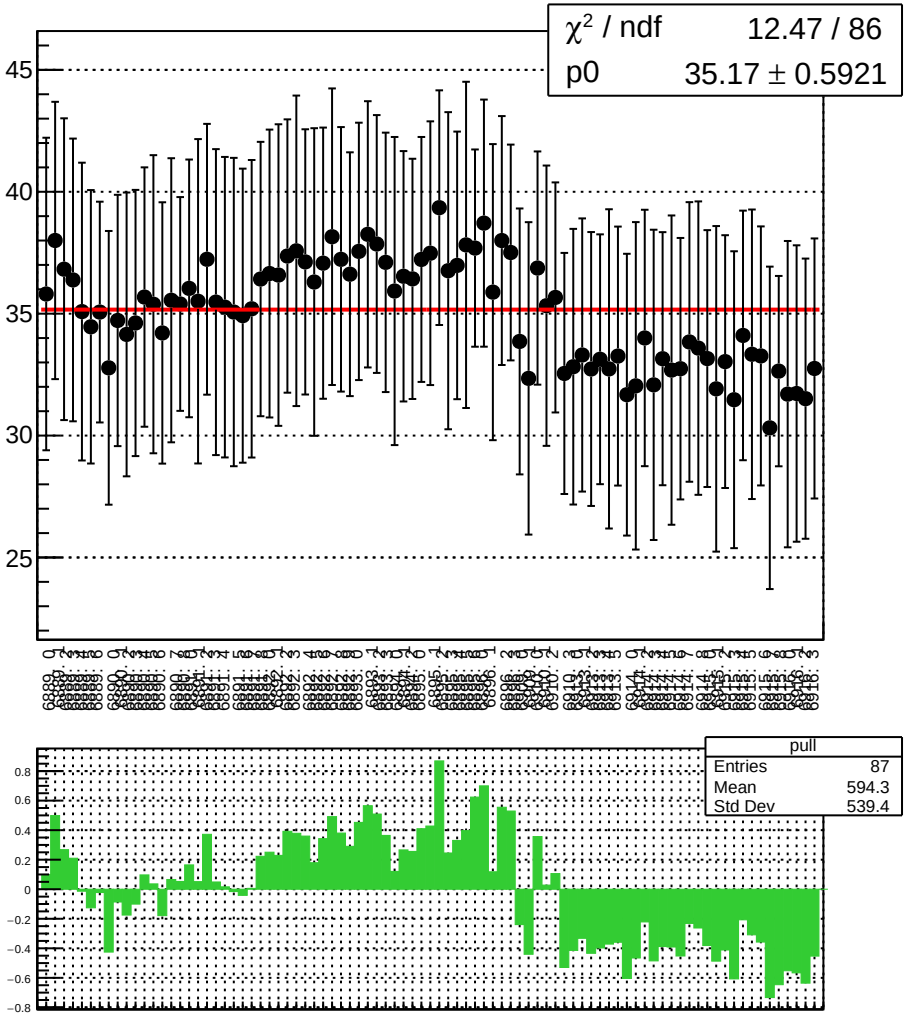

pull1D
Entries 87
Mean 0.0131
Std Dev 0.2688

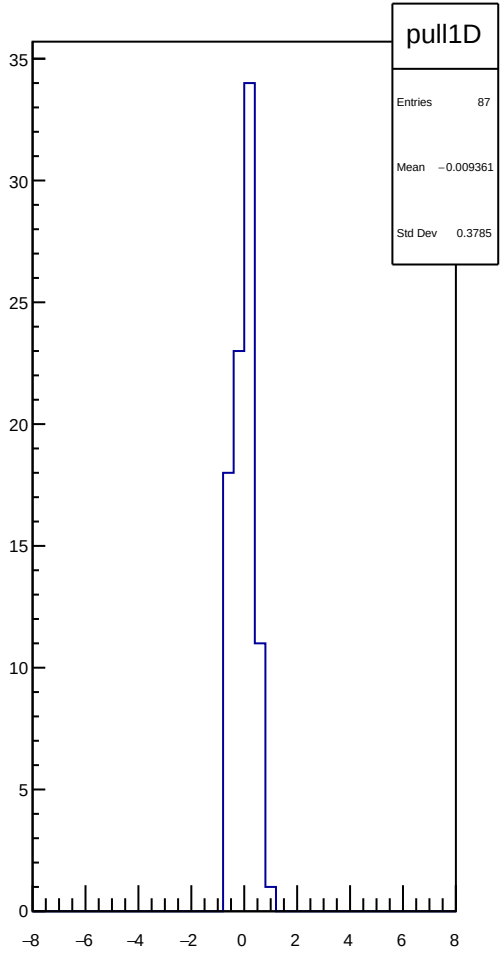
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

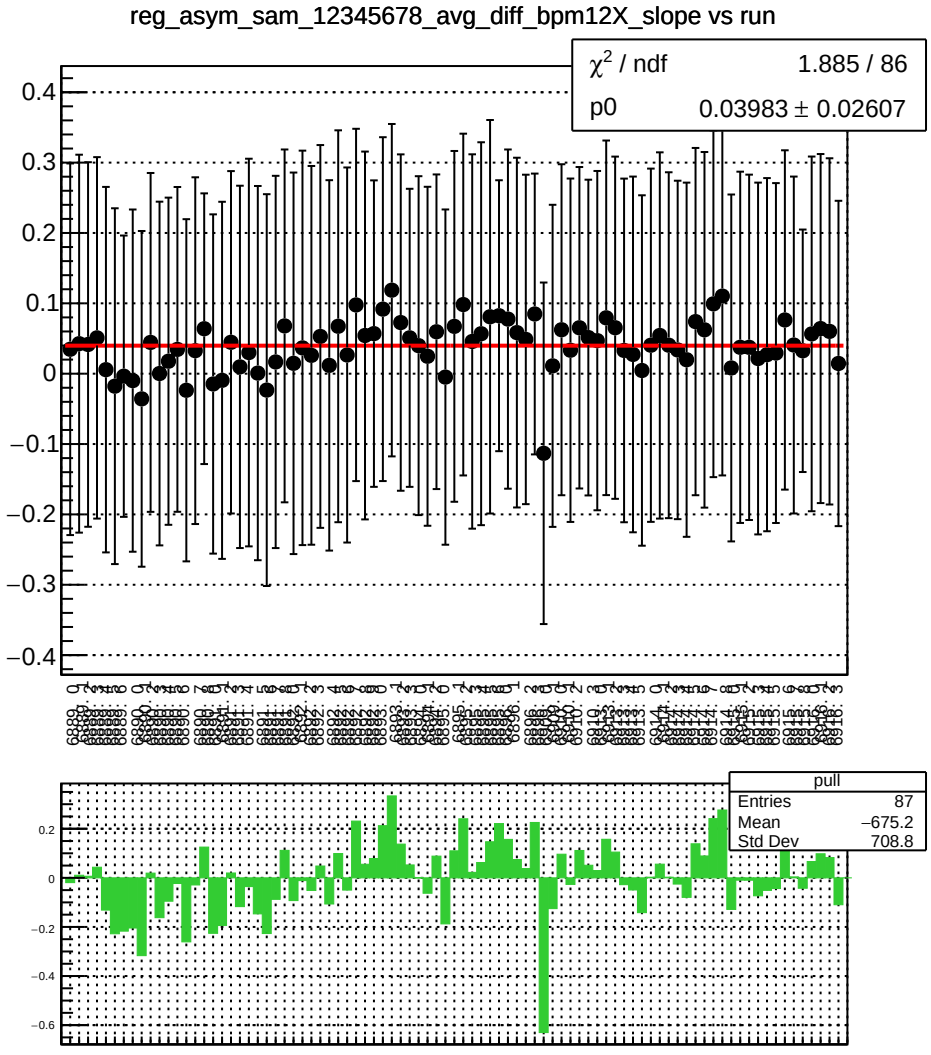


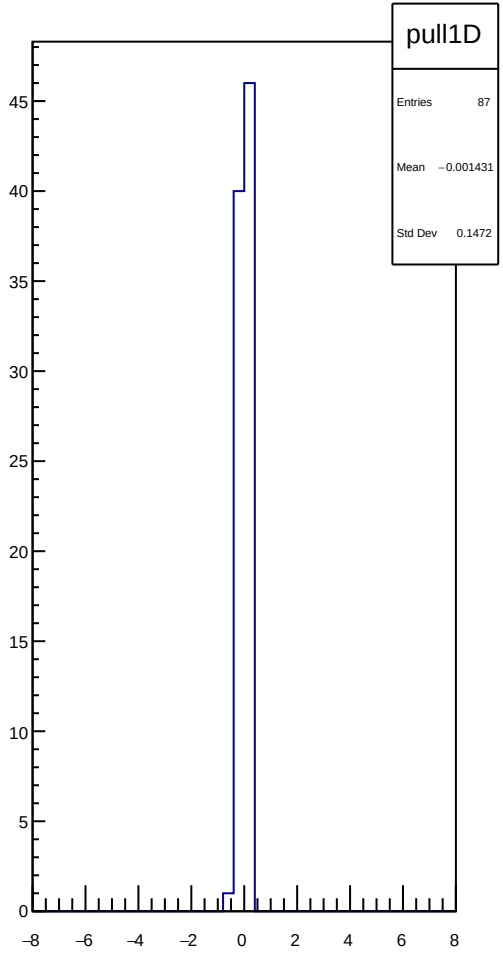


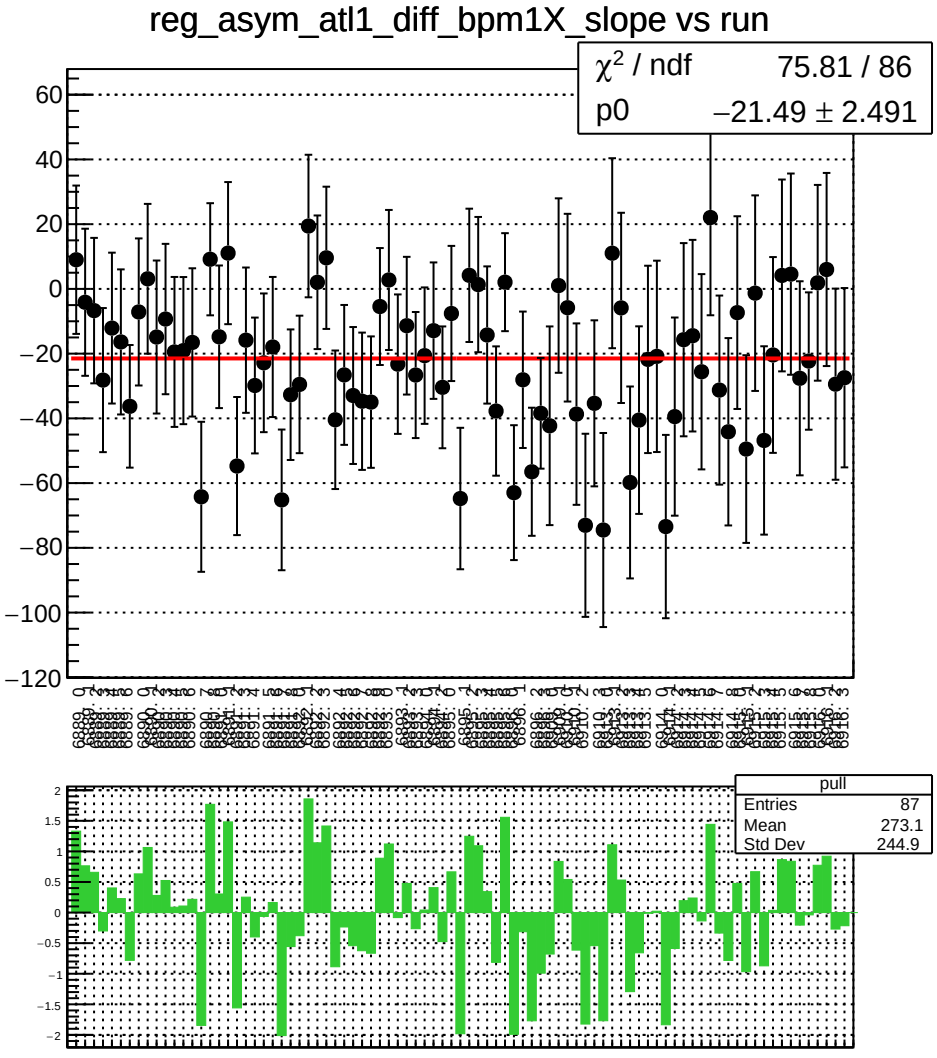
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

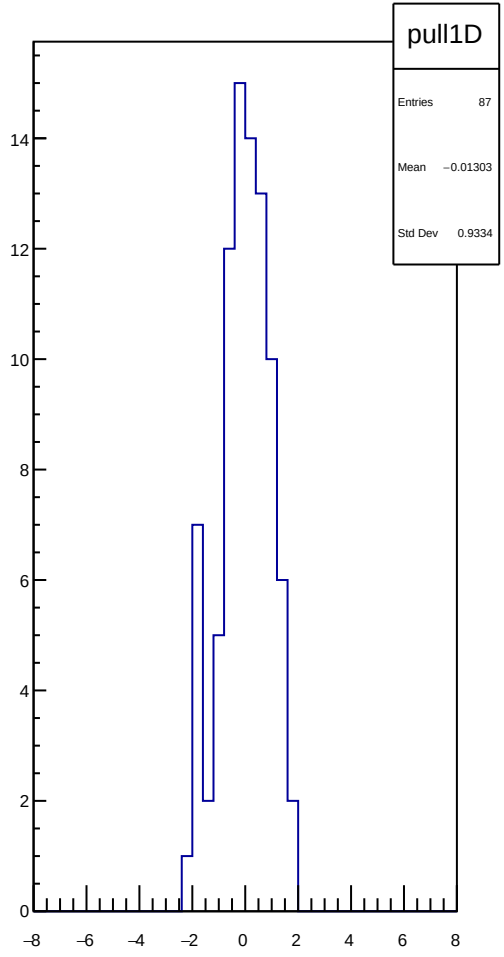


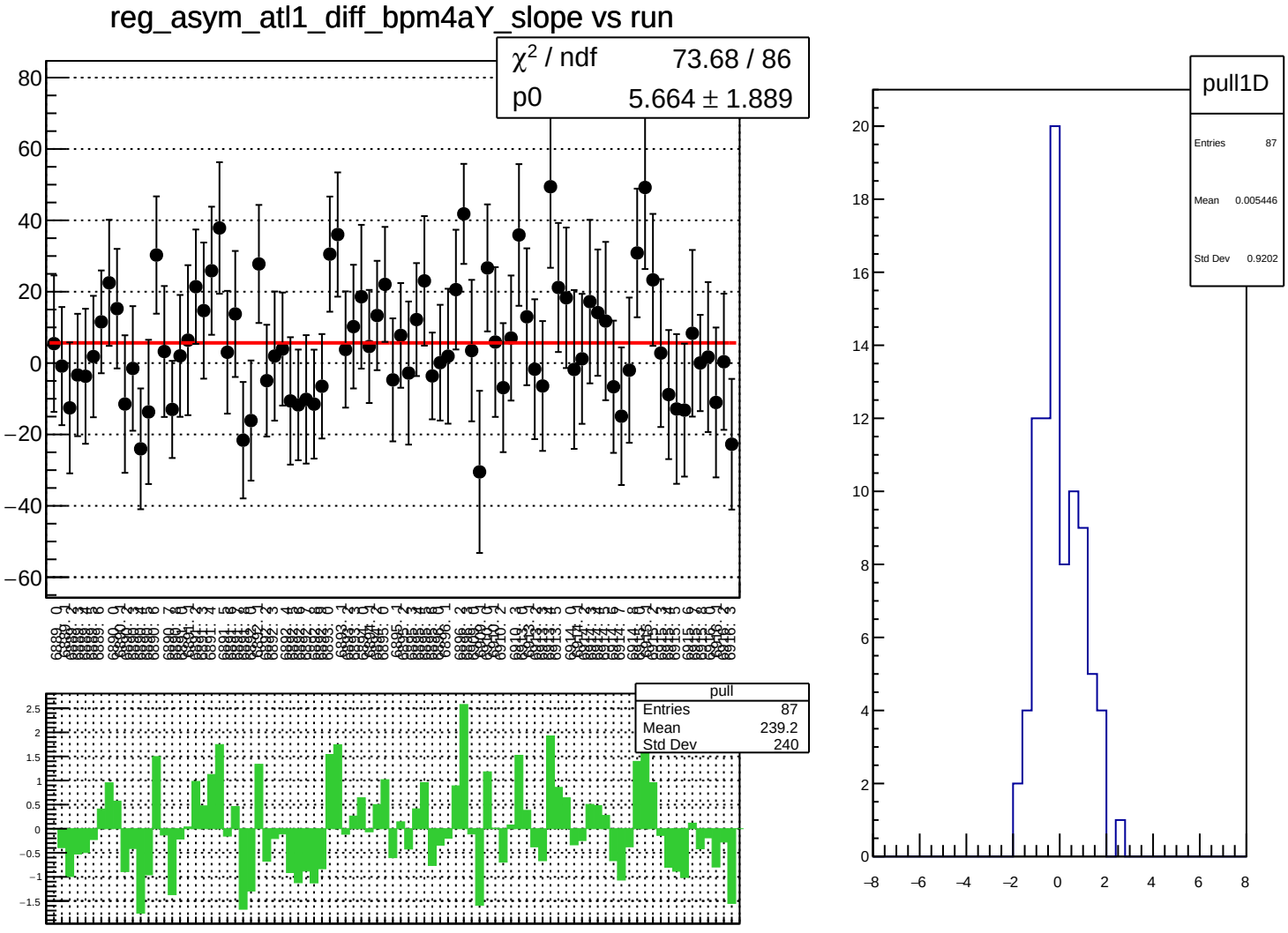


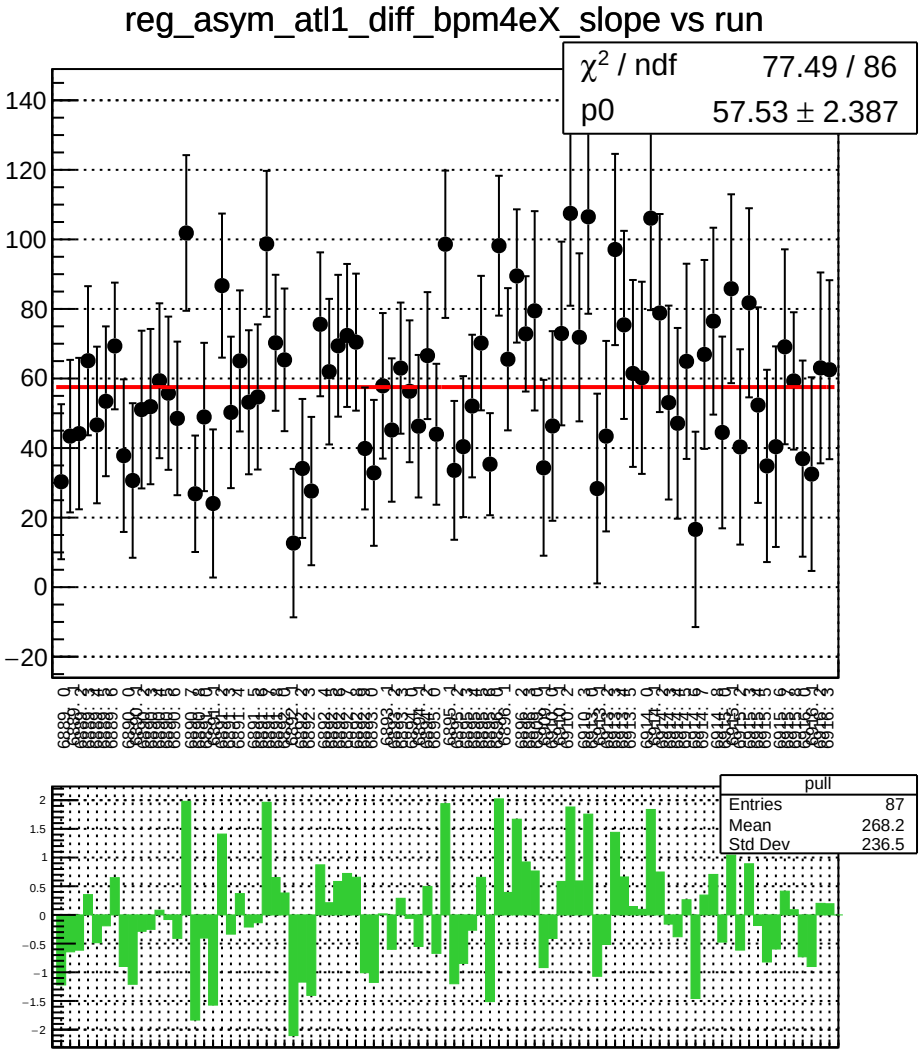

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.885 / 86
p0 0.03983 ± 0.02607
pull
Entries 87
Mean −675.2
Std Dev 708.8

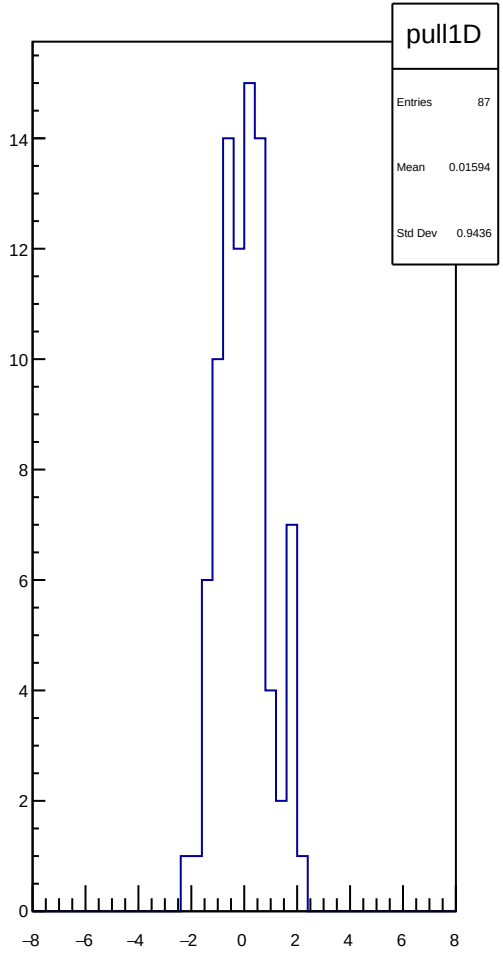

pull1D
Entries 87
Mean −0.001431
Std Dev 0.1472

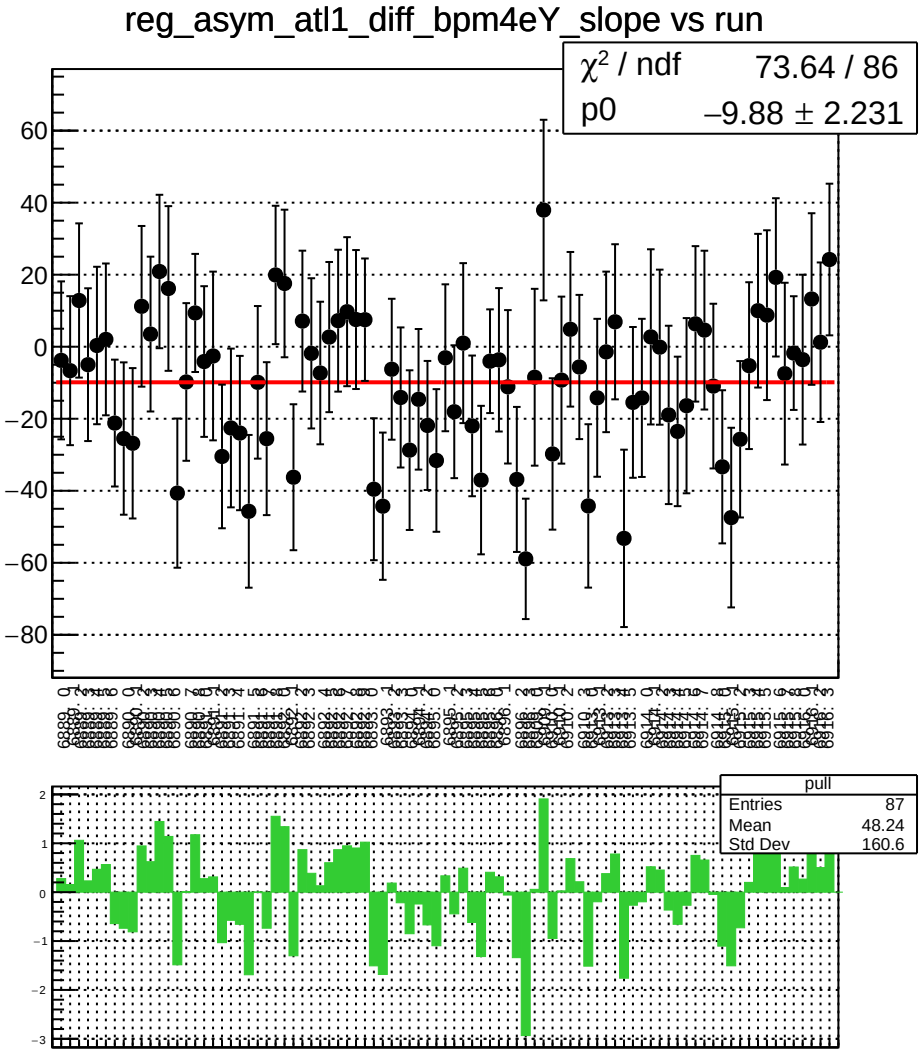

reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 75.81 / 86
p0 −21.49 ± 2.491
pull
Entries 87
Mean 273.1
Std Dev 244.9

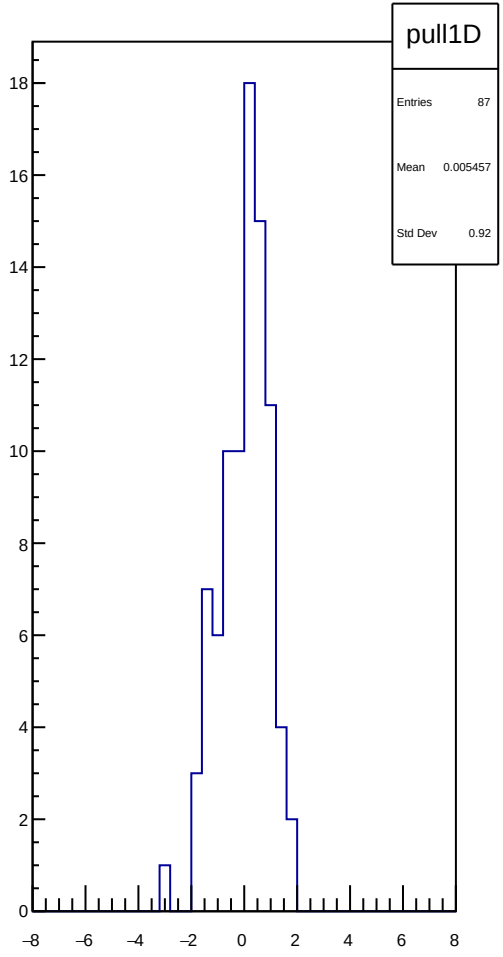

pull1D
Entries 87
Mean −0.01303
Std Dev 0.9334

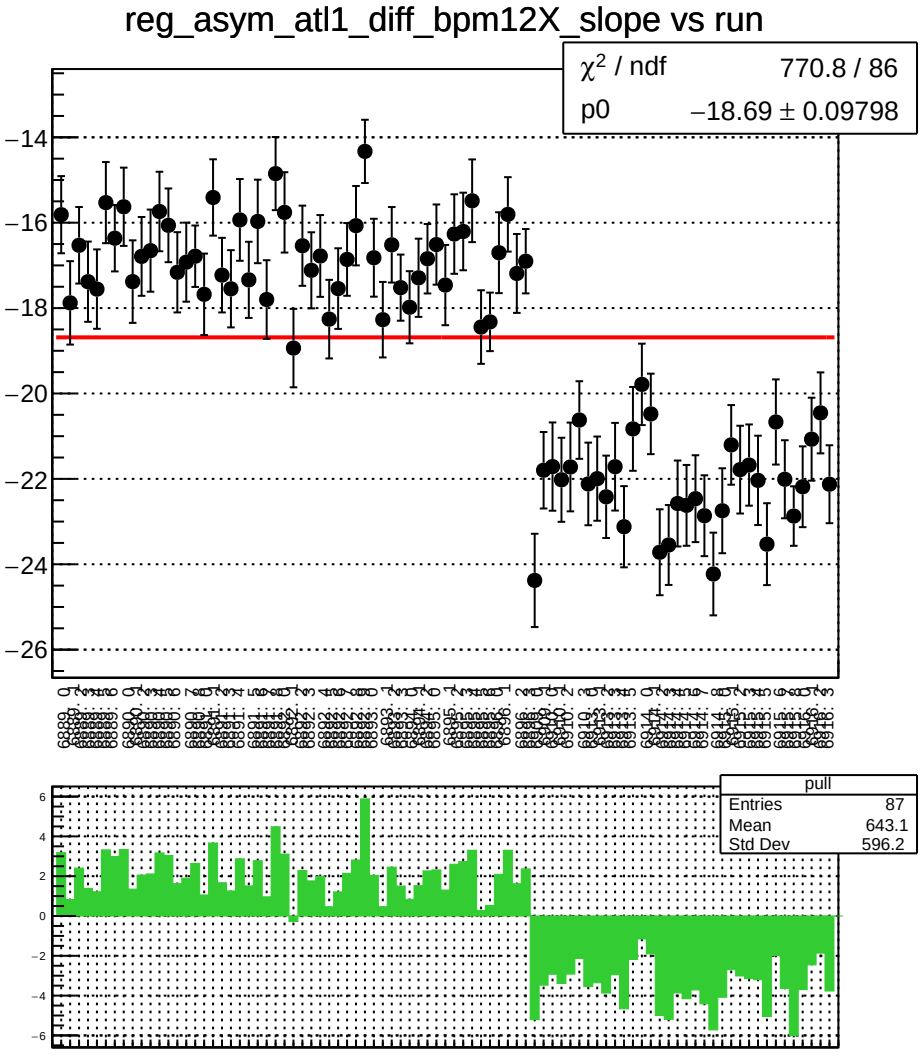

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 73.68 / 86
p0 5.664 ± 1.889
pull
Entries 87
Mean 239.2
Std Dev 240
pull1D
Entries 87
Mean 0.005446
Std Dev 0.9202

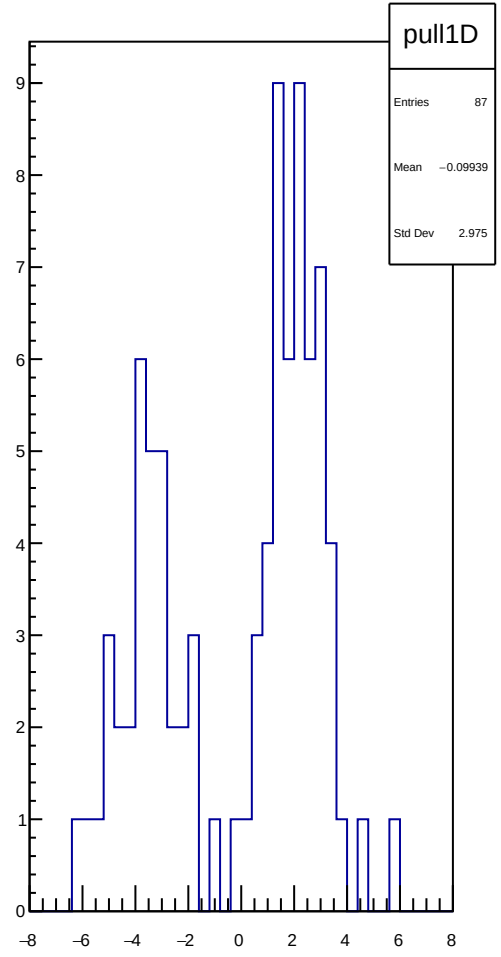

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 77.49 / 86
p0 57.53 ± 2.387
pull
Entries 87
Mean 268.2
Std Dev 236.5

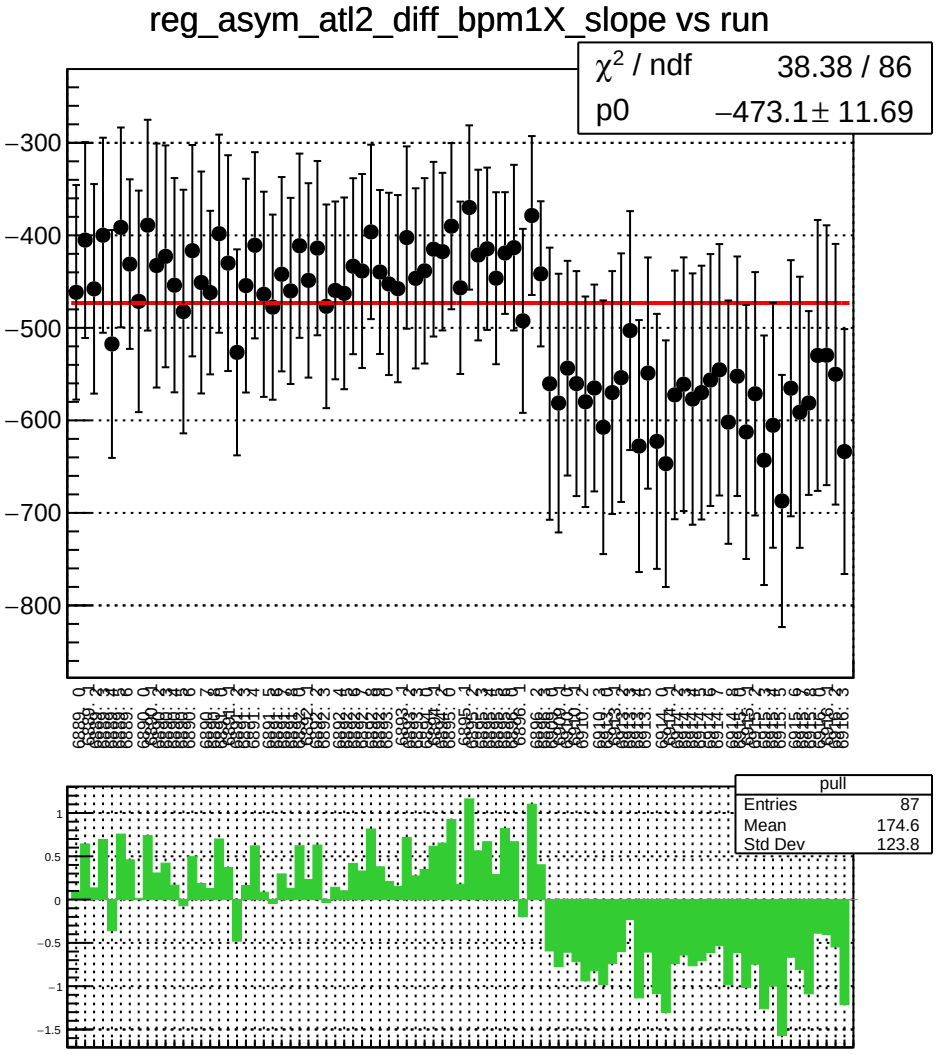

pull1D
Entries 87
Mean 0.01594
Std Dev 0.9436

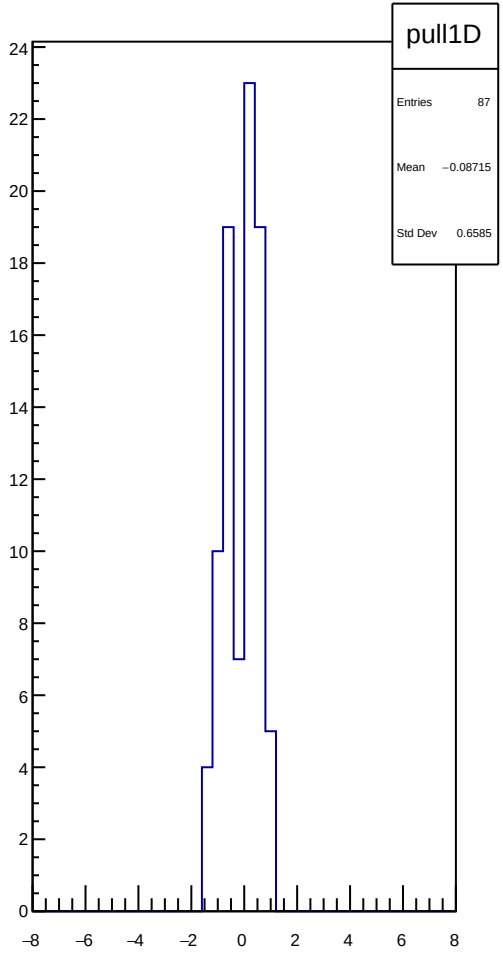

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 73.64 / 86
p0 −9.88 ± 2.231
pull
Entries 87
Mean 48.24
Std Dev 160.6

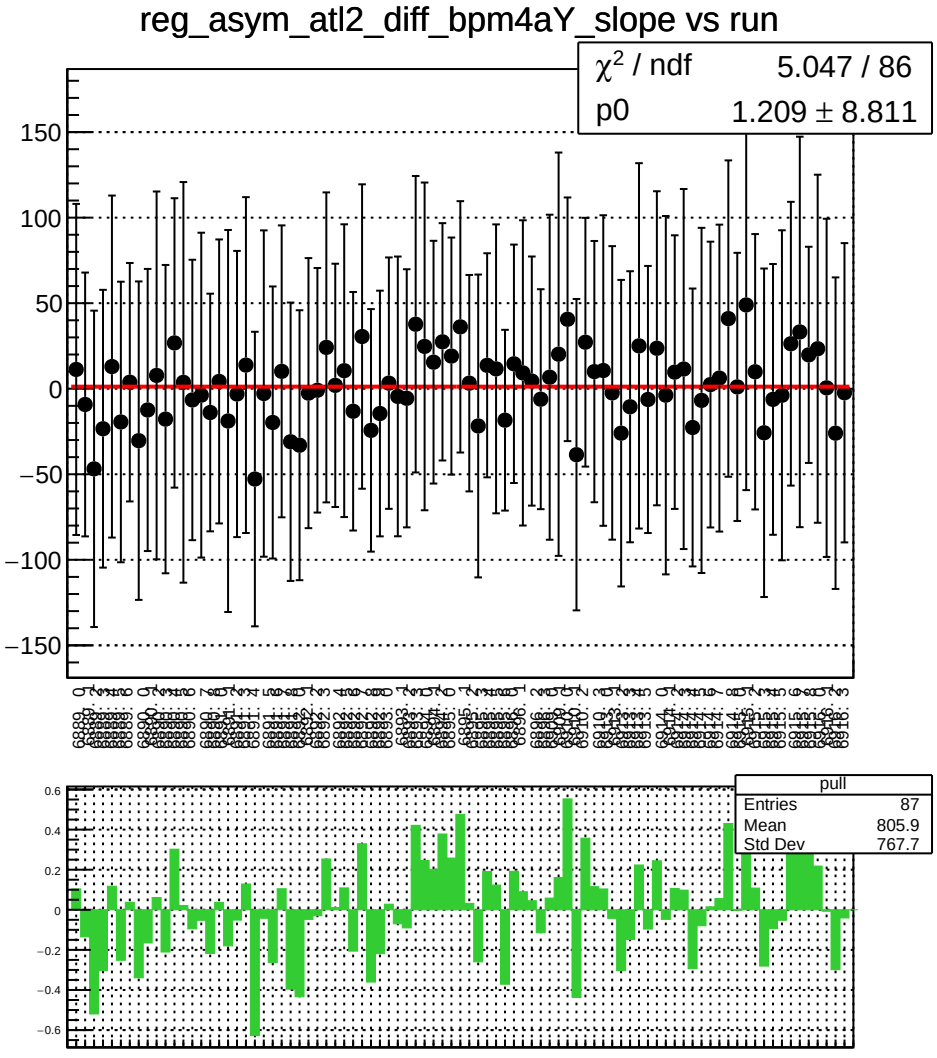

pull1D
Entries 87
Mean 0.005457
Std Dev 0.92

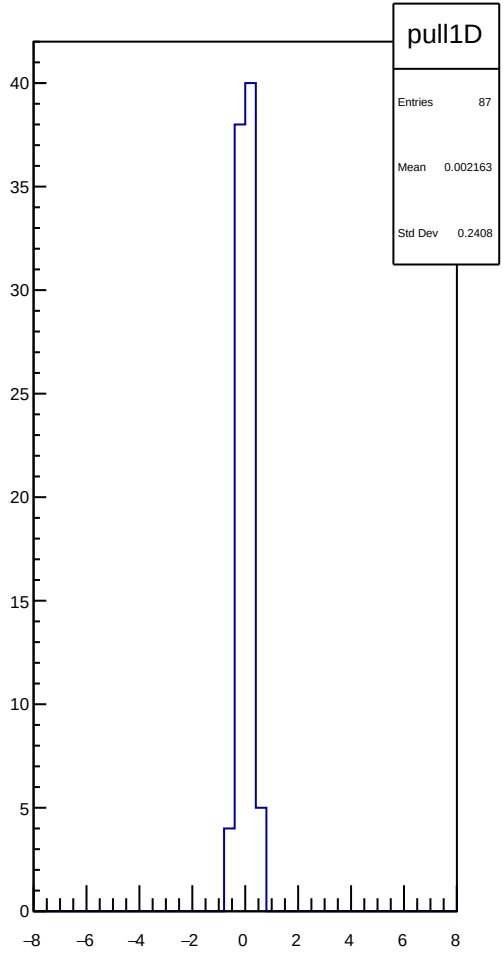

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 770.8 / 86
p0 −18.69 ± 0.09798
pull
Entries 87
Mean 643.1
Std Dev 596.2

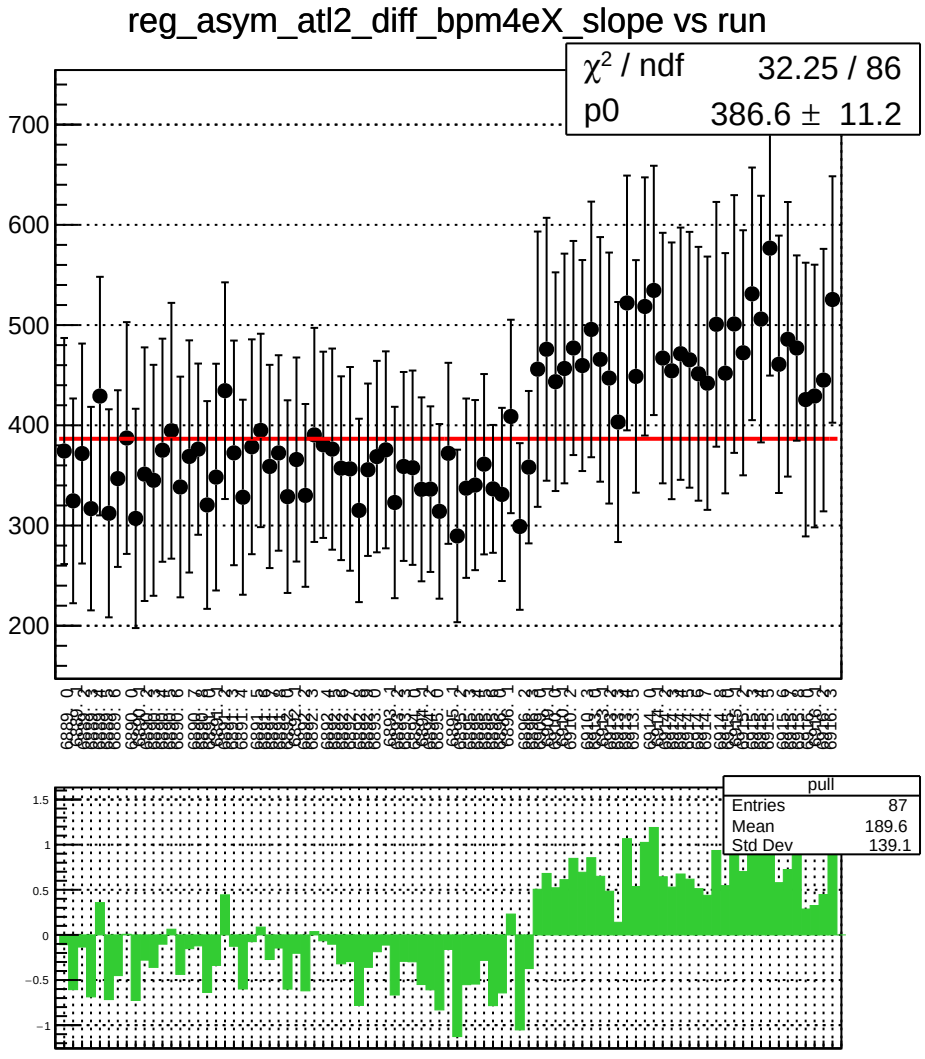

pull1D
Entries 87
Mean −0.09939
Std Dev 2.975

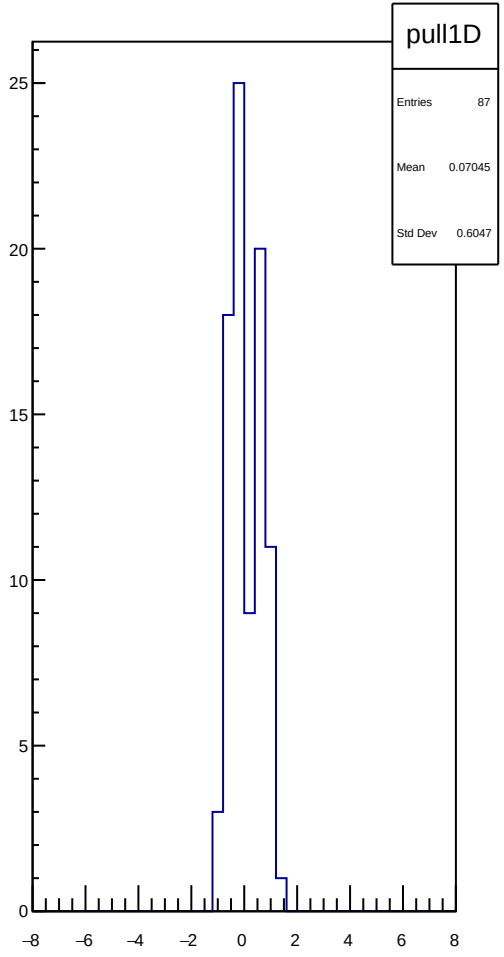

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 38.38 / 86
p0 −473.1 ± 11.69
−300
−400
−500
−600
−700
−800
pull
Entries 87
Mean 174.6
Std Dev 123.8
1
0.5
0
−0.5
−1
−1.5

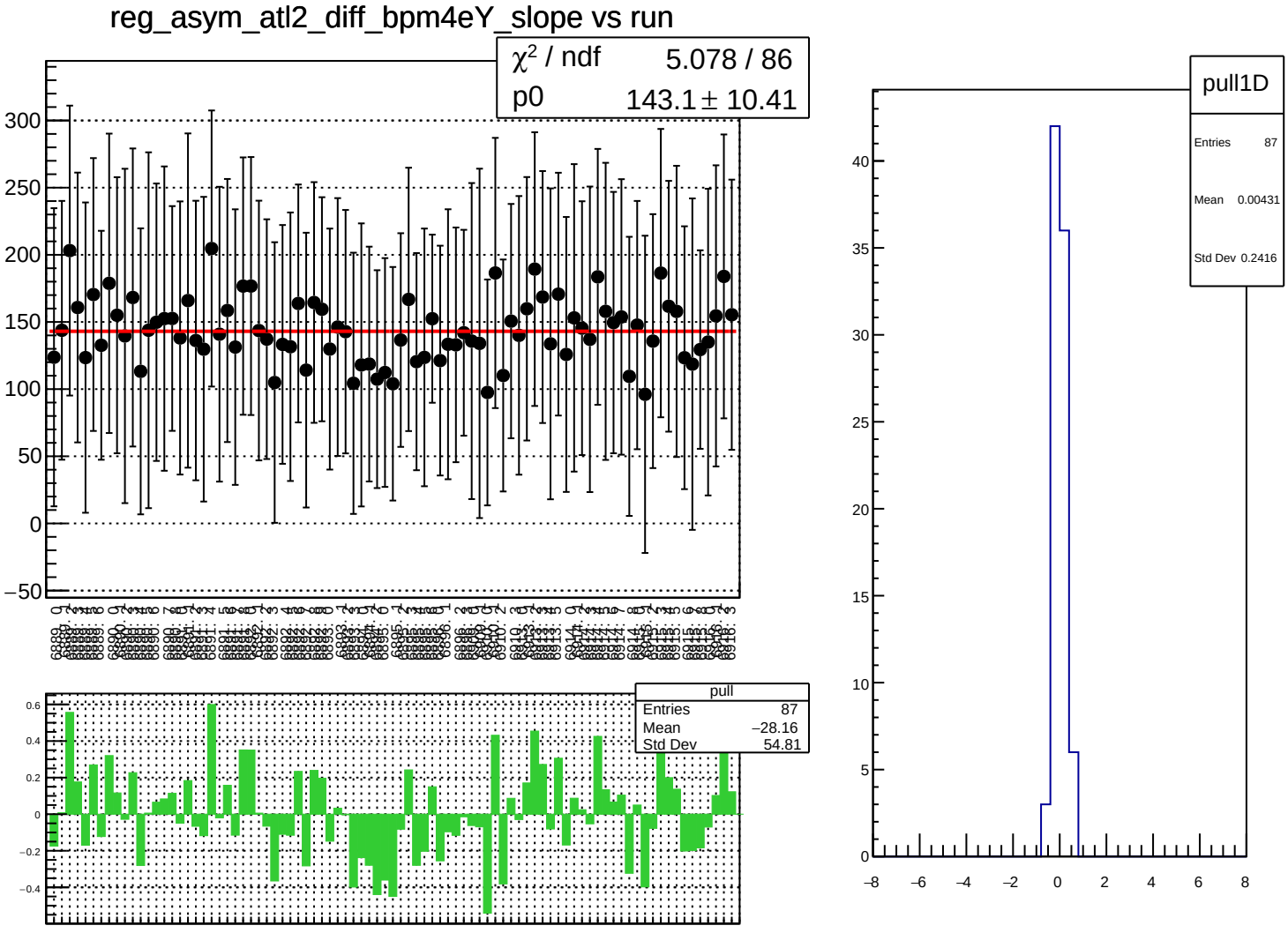

pull1D
Entries 87
Mean −0.08715
Std Dev 0.6585
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

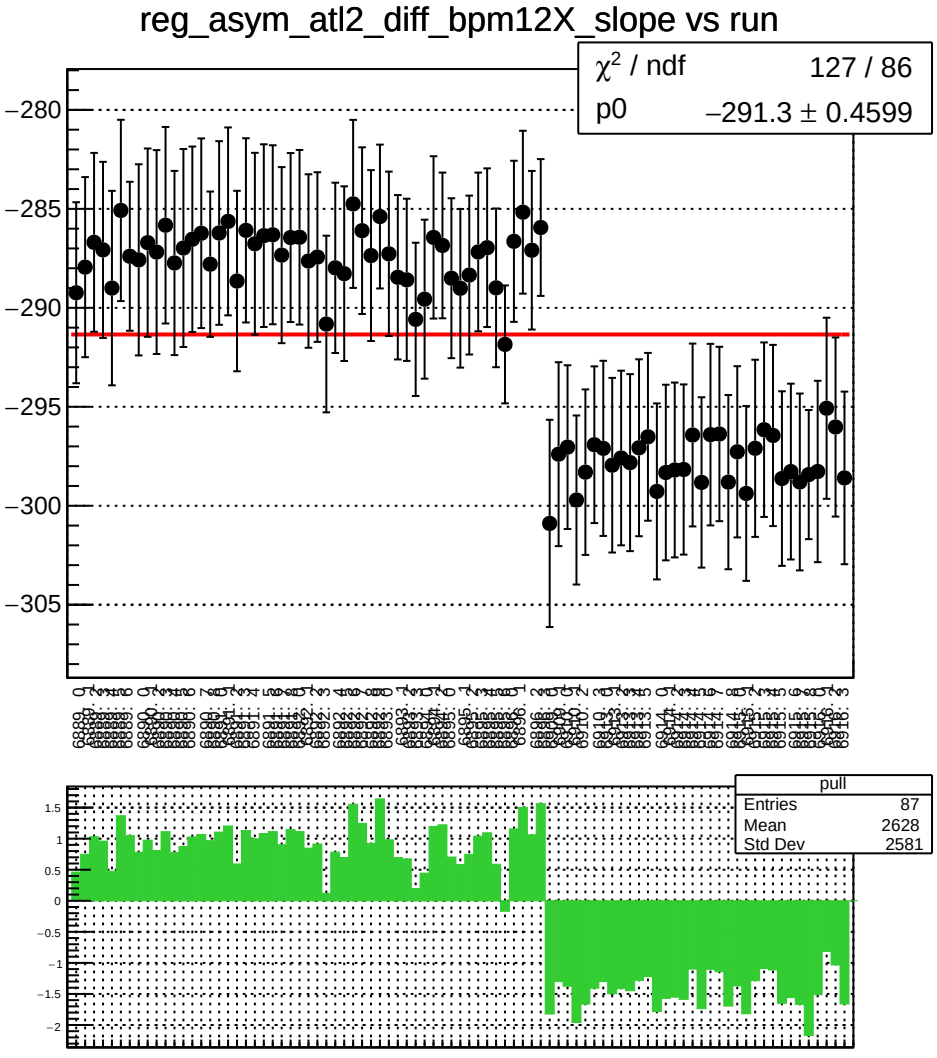

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.047 / 86
p0 1.209 ± 8.811
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean 805.9
Std Dev 767.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

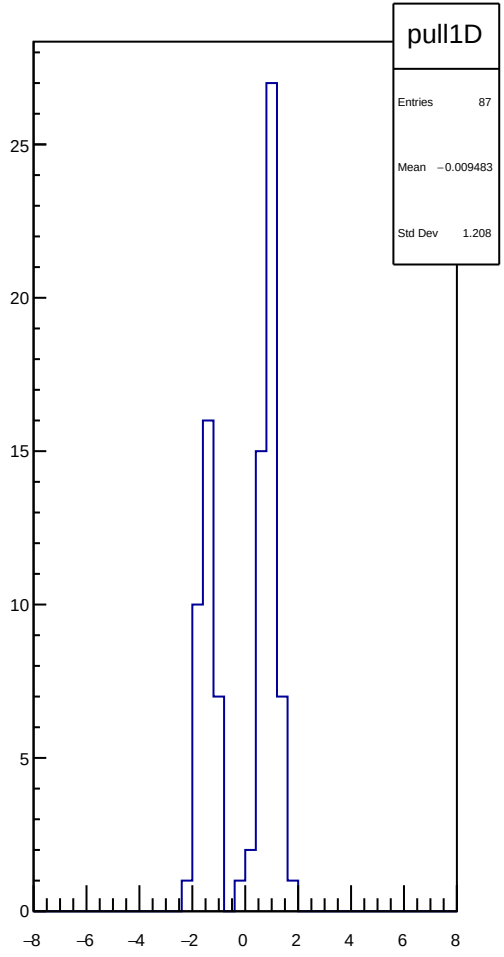

pull1D
Entries 87
Mean 0.002163
Std Dev 0.2408
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

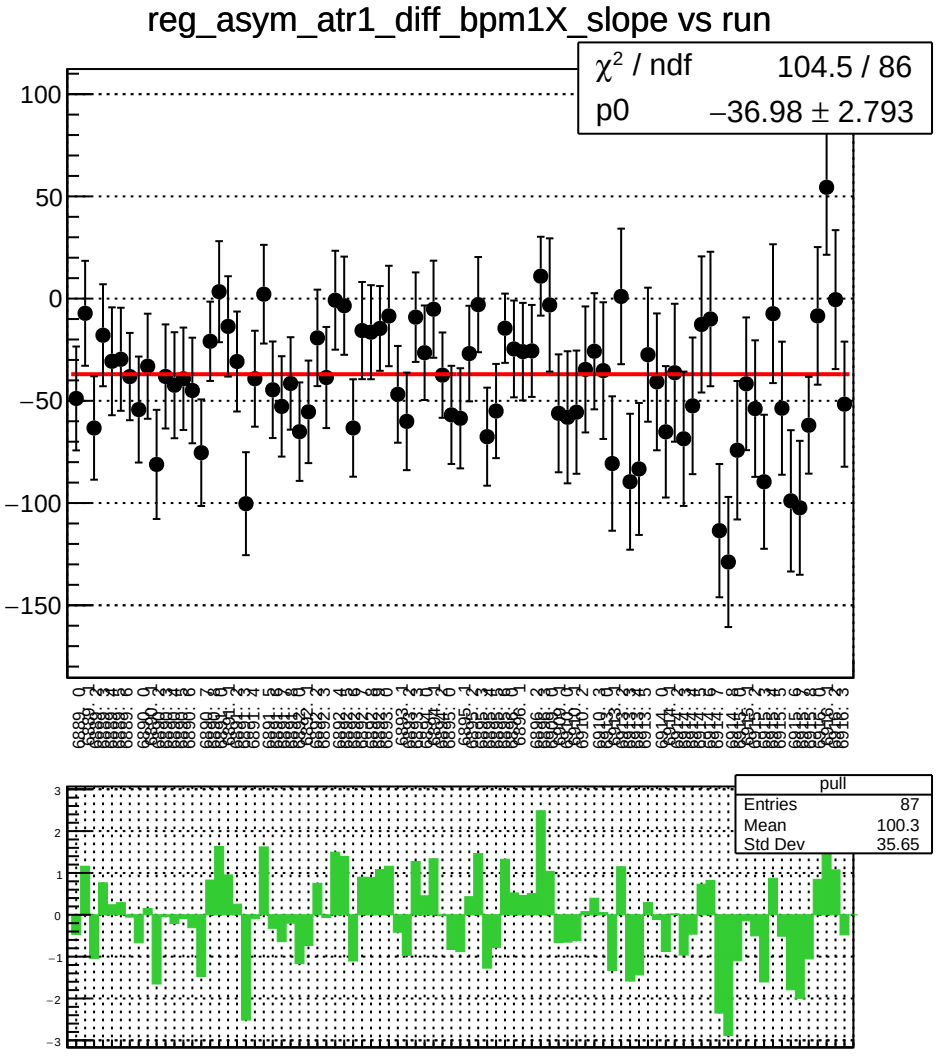

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 32.25 / 86
p0 386.6 ± 11.2
700
600
500
400
300
200
pull
Entries 87
Mean 189.6
Std Dev 139.1
1.5
1
0.5
0
−0.5
−1

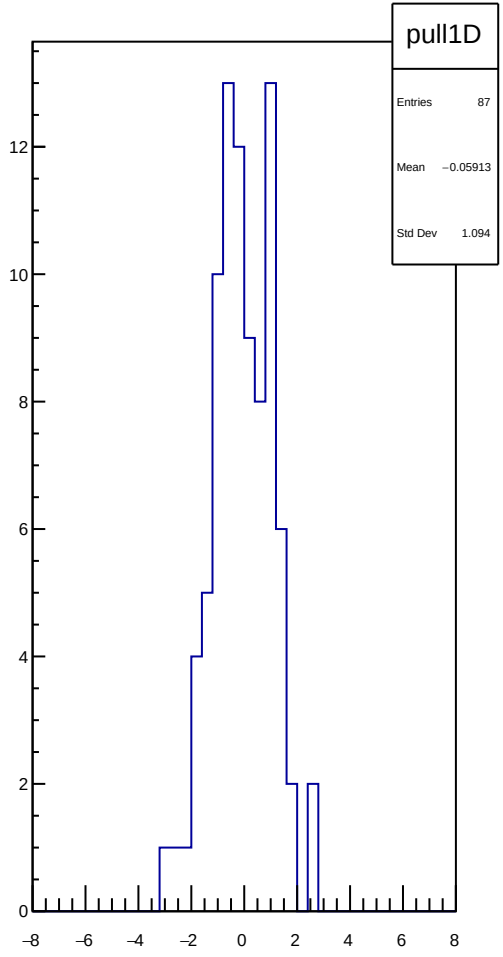

pull1D
Entries 87
Mean 0.07045
Std Dev 0.6047
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

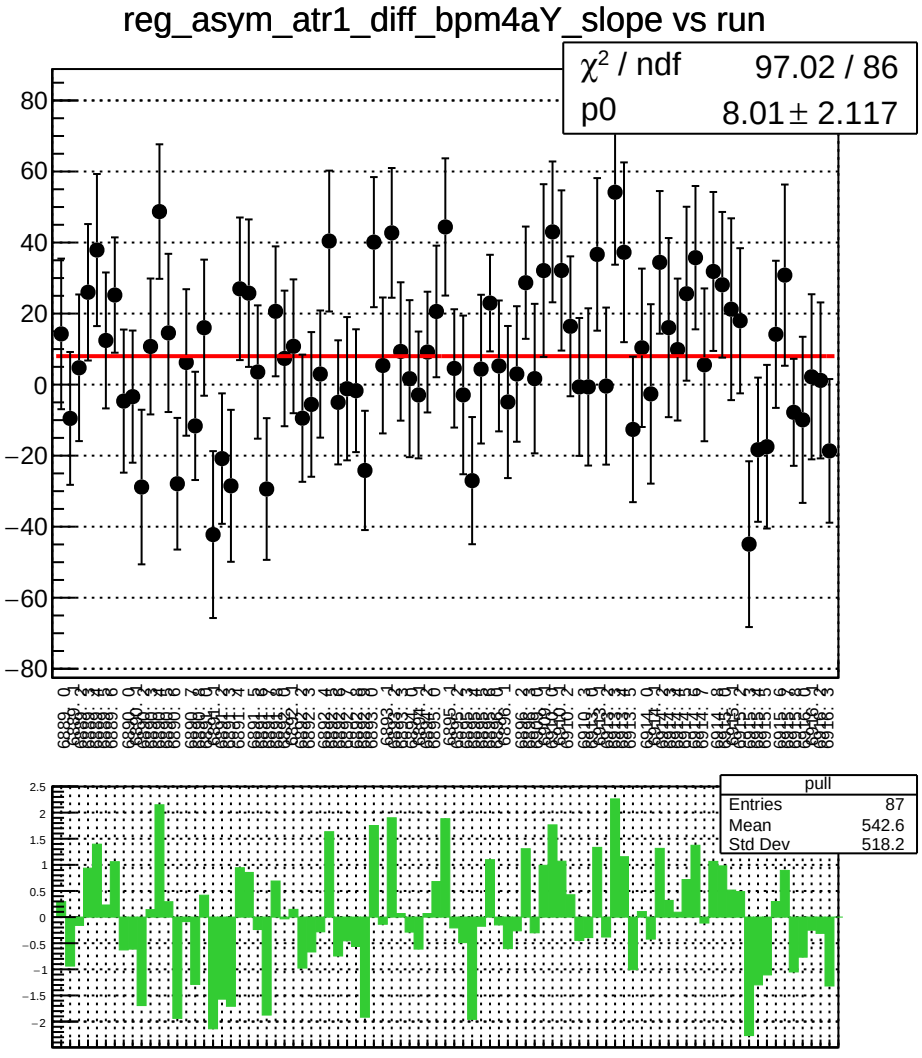

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 5.078 / 86
p0 143.1 ± 10.41
pull
Entries 87
Mean −28.16
Std Dev 54.81
pull1D
Entries 87
Mean 0.00431
Std Dev 0.2416

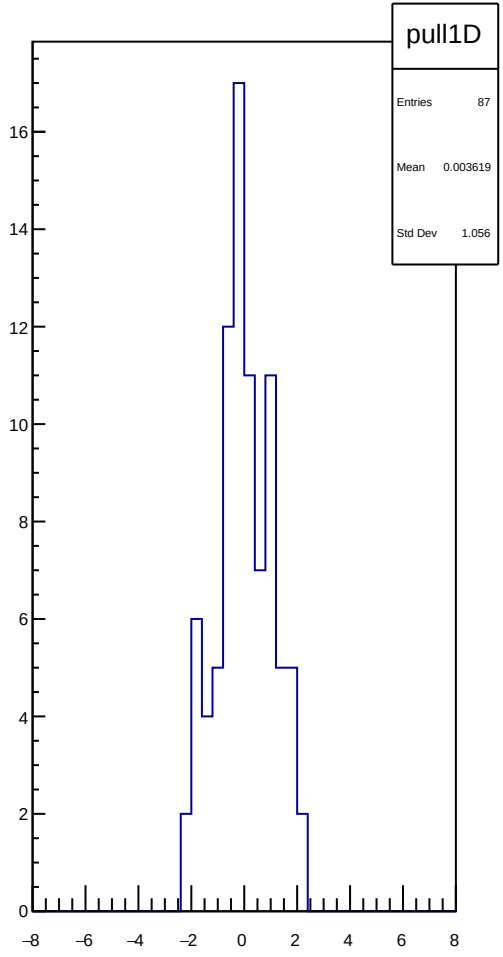

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 127 / 86
p0 −291.3 ± 0.4599
pull
Entries 87
Mean 2628
Std Dev 2581

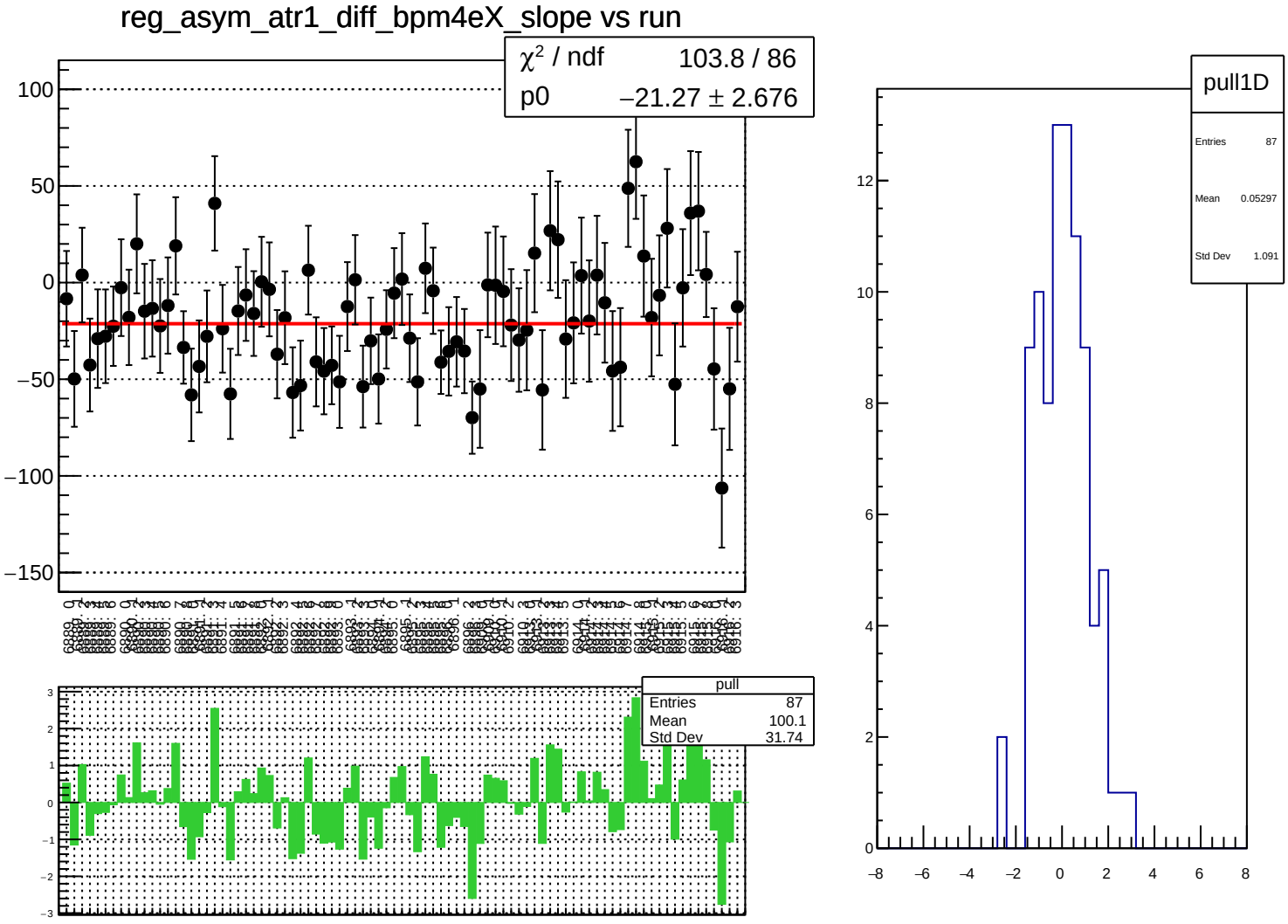

pull1D
Entries 87
Mean −0.009483
Std Dev 1.208

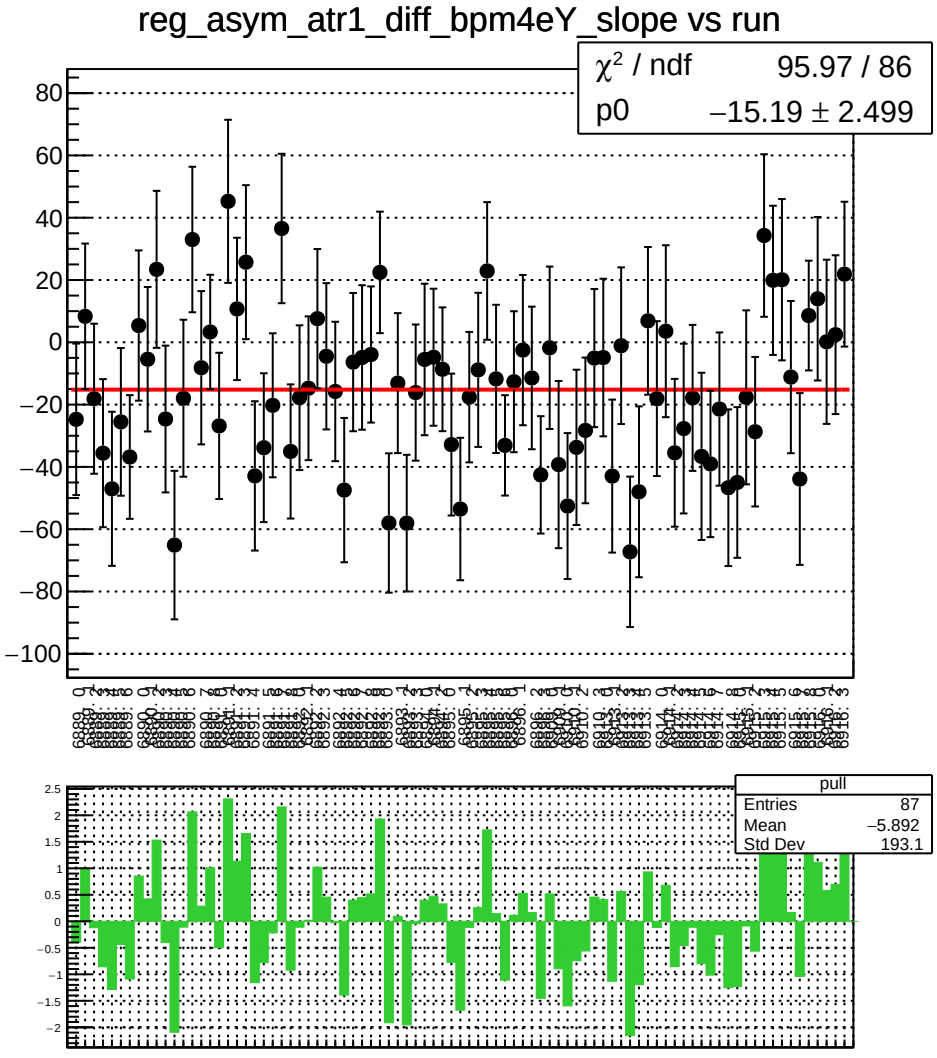

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 104.5 / 86
p0 −36.98 ± 2.793
pull
Entries 87
Mean 100.3
Std Dev 35.65

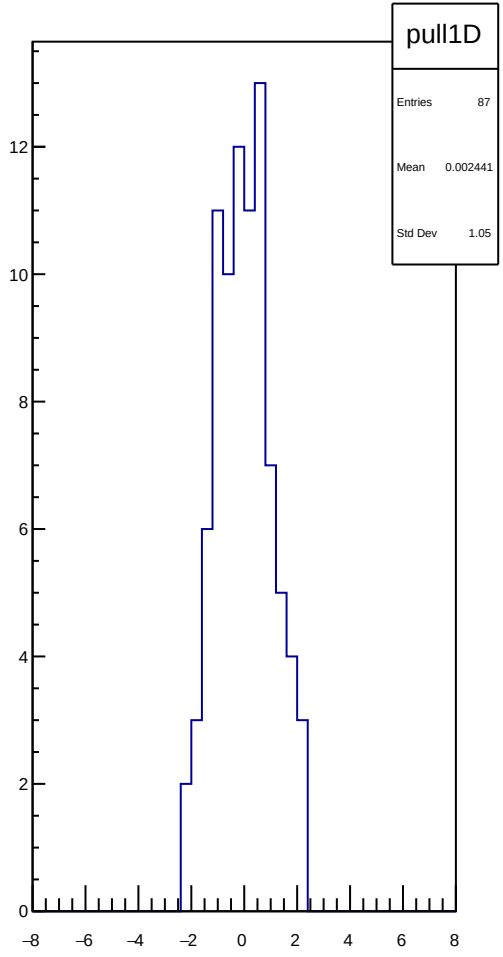

pull1D
Entries 87
Mean −0.05913
Std Dev 1.094

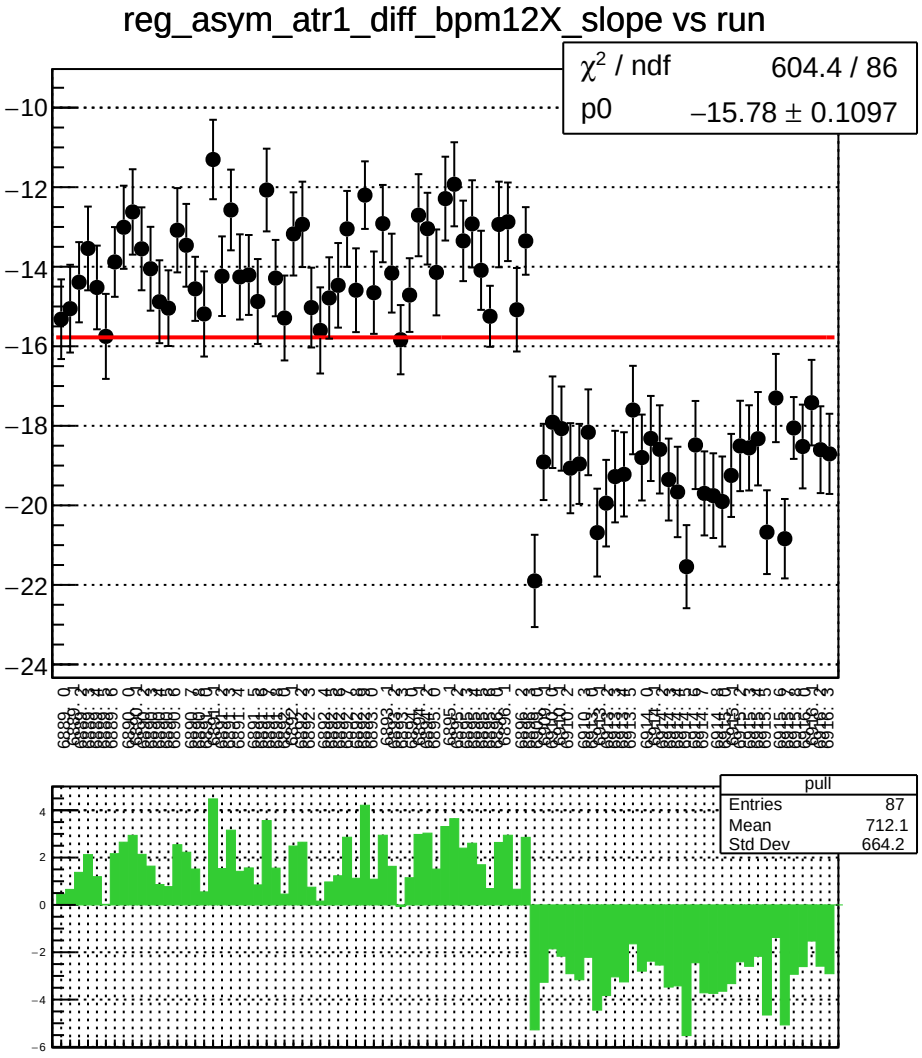

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 97.02 / 86
p0 8.01 ± 2.117
pull
Entries 87
Mean 542.6
Std Dev 518.2

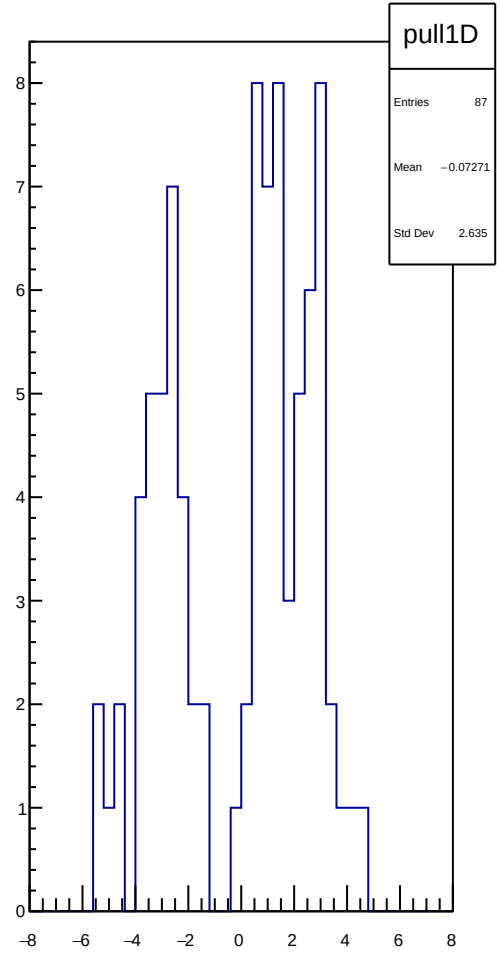

pull1D
Entries 87
Mean 0.003619
Std Dev 1.056

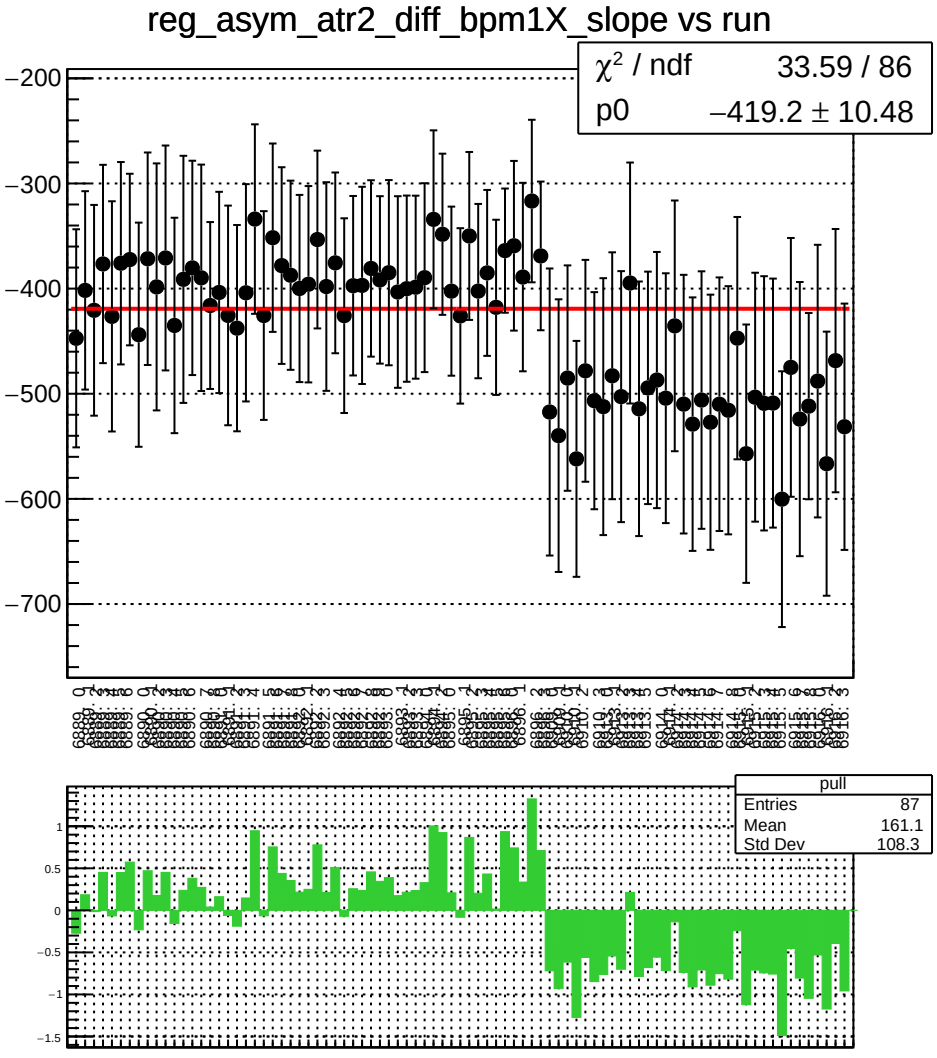

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 103.8 / 86
p0 −21.27 ± 2.676
pull
Entries 87
Mean 100.1
Std Dev 31.74
pull1D
Entries 87
Mean 0.05297
Std Dev 1.091

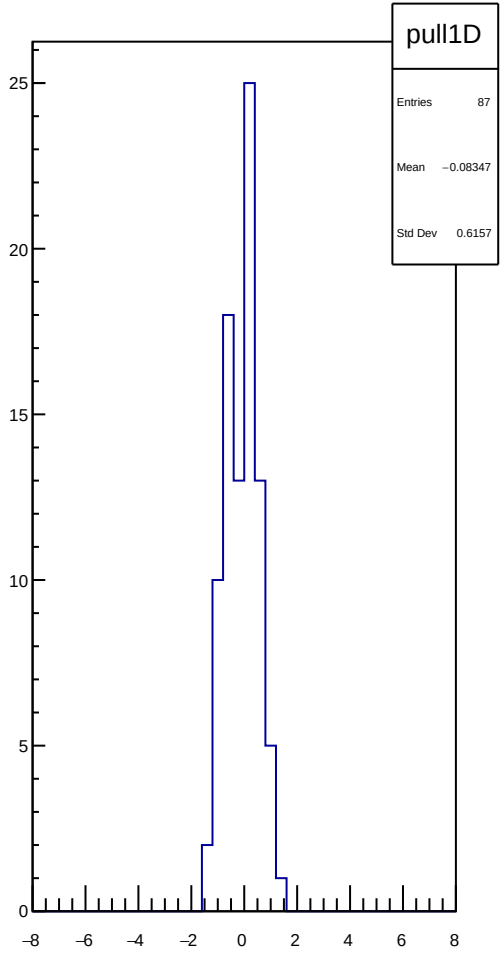

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 95.97 / 86
p0 −15.19 ± 2.499
pull
Entries 87
Mean −5.892
Std Dev 193.1

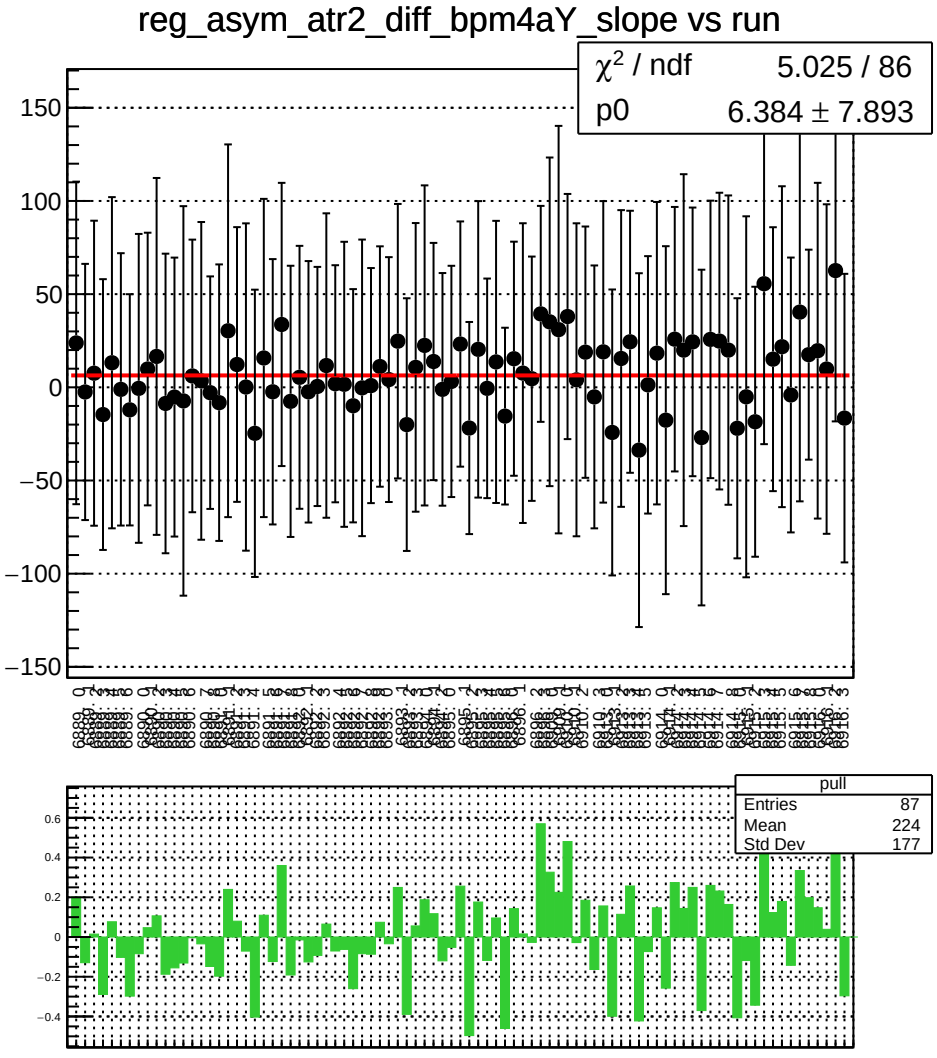

pull1D
Entries 87
Mean 0.002441
Std Dev 1.05

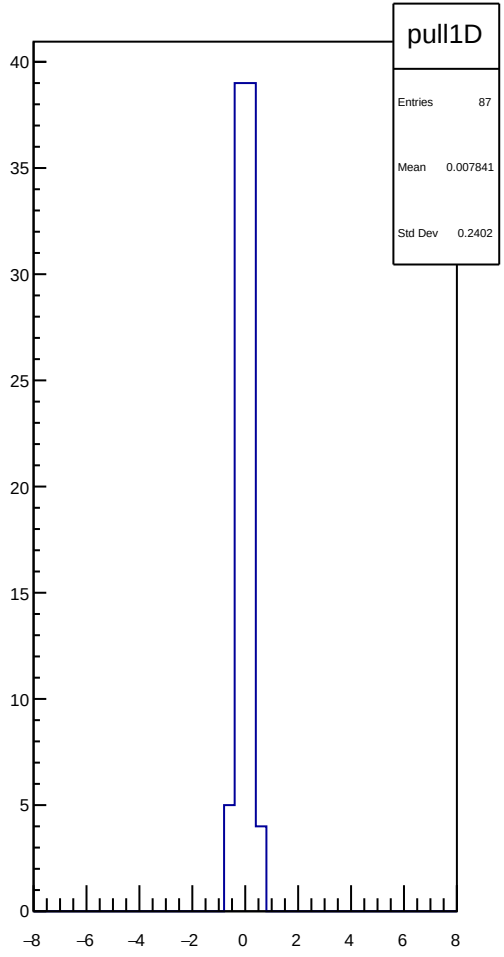

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 604.4 / 86
p0 −15.78 ± 0.1097
pull
Entries 87
Mean 712.1
Std Dev 664.2

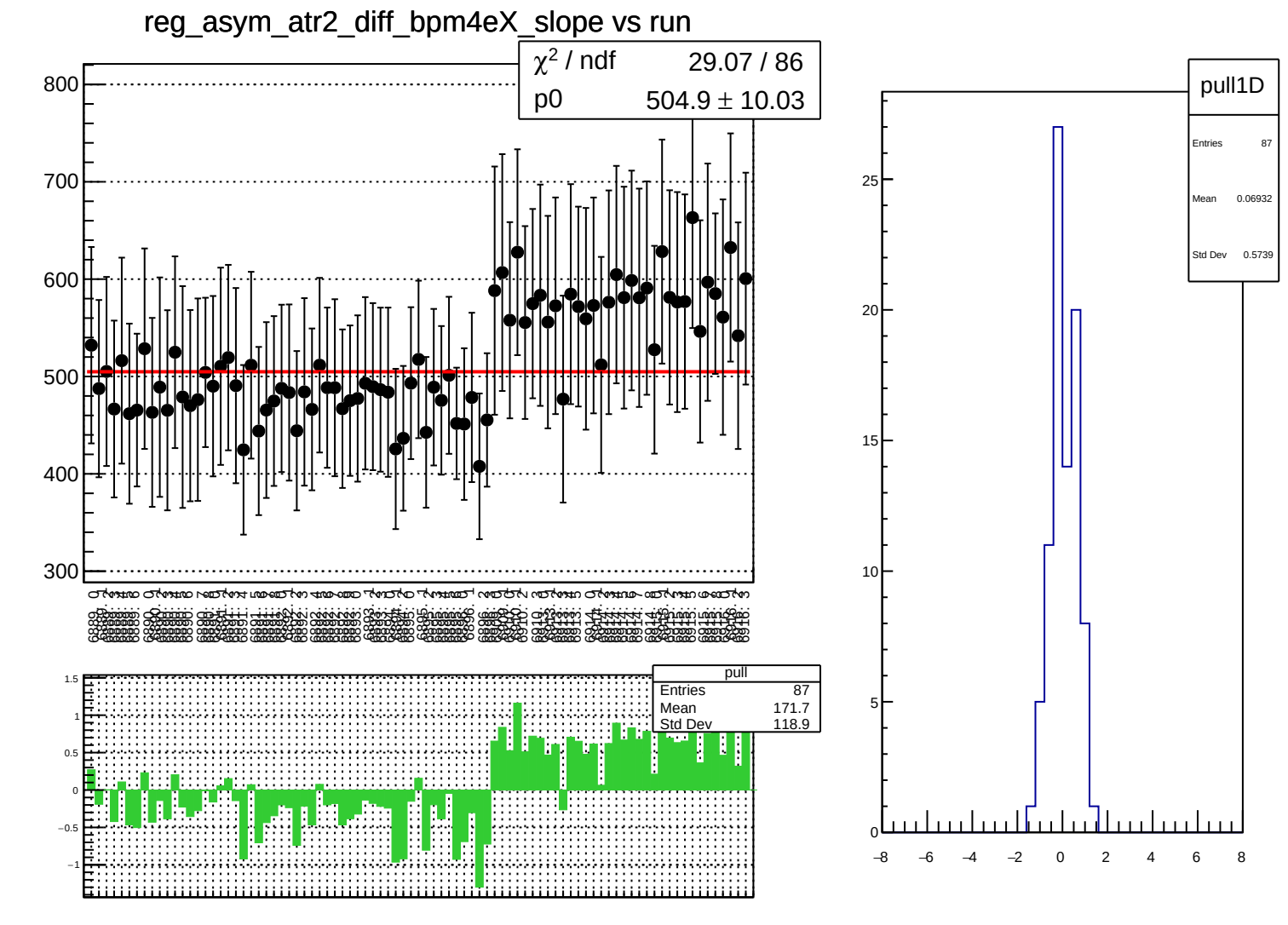

pull1D
Entries 87
Mean −0.07271
Std Dev 2.635

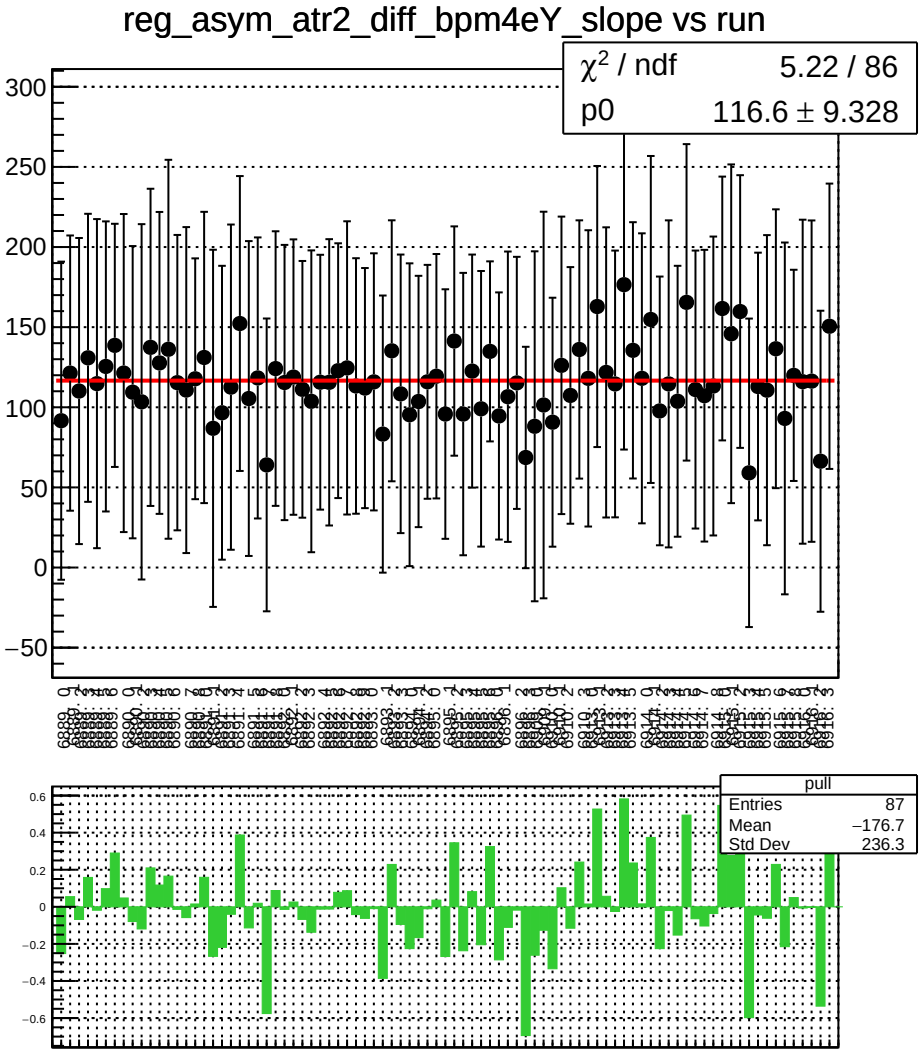

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 33.59 / 86
p0 −419.2 ± 10.48
pull
Entries 87
Mean 161.1
Std Dev 108.3

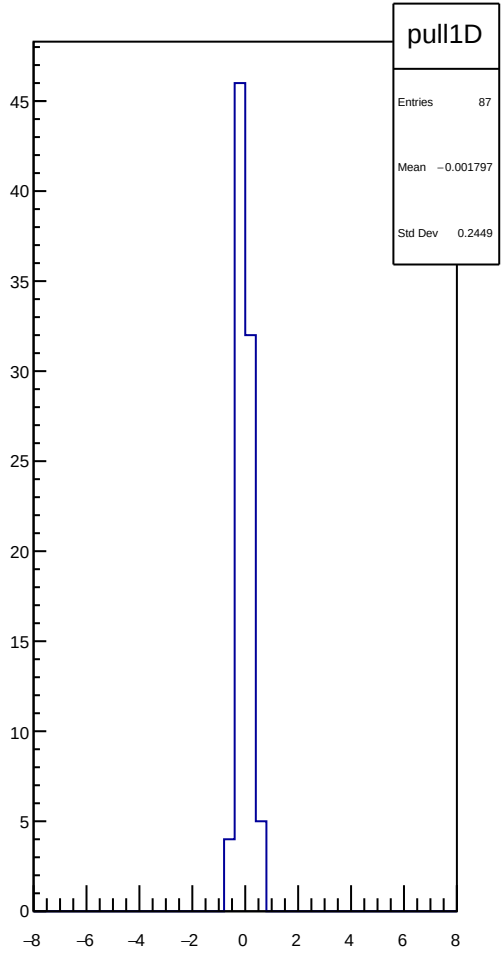

pull1D
Entries 87
Mean −0.08347
Std Dev 0.6157

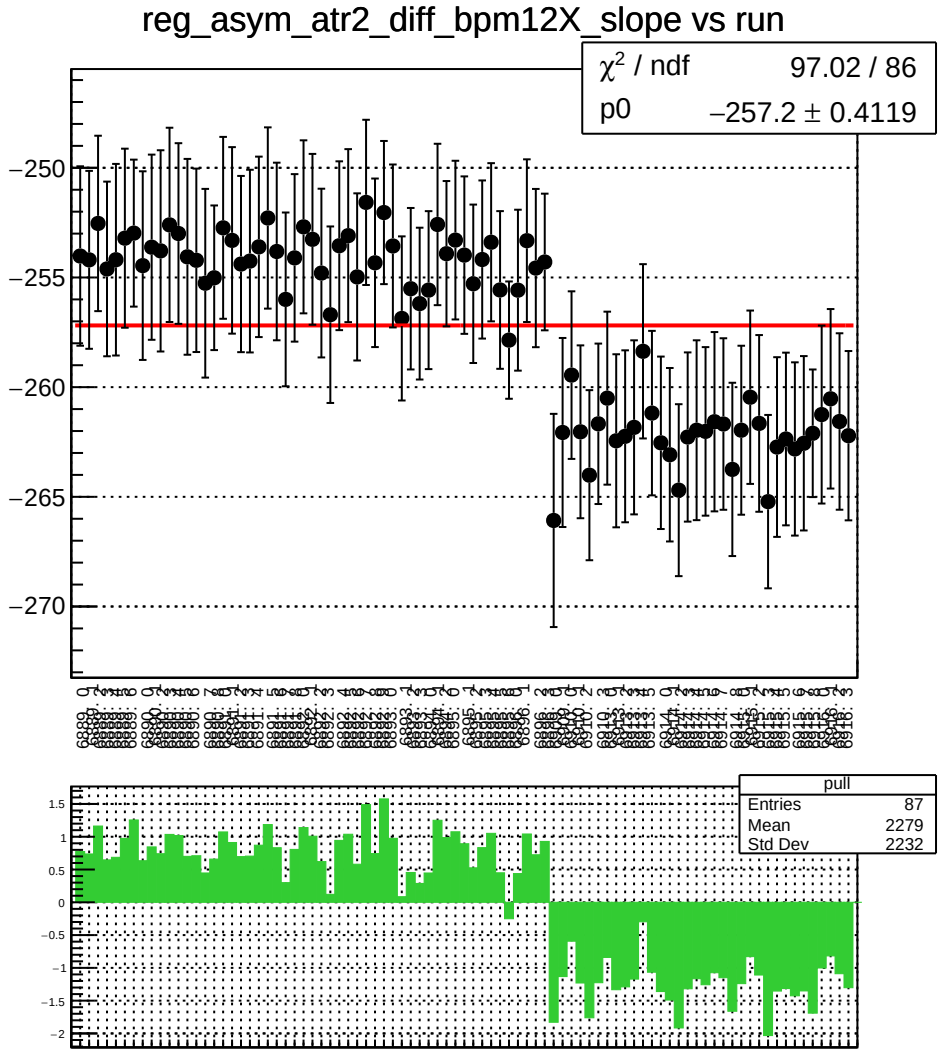

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.025 / 86
p0 6.384 ± 7.893
pull
Entries 87
Mean 224
Std Dev 177

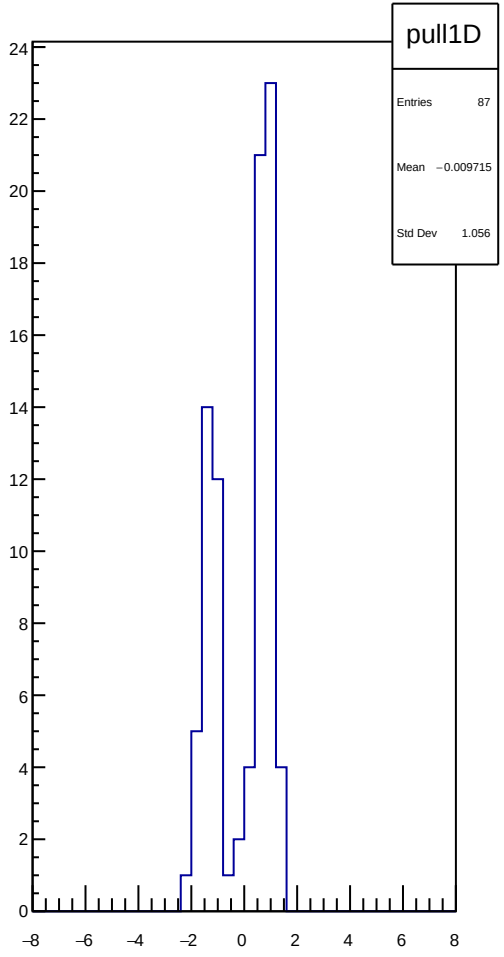

pull1D
Entries 87
Mean 0.007841
Std Dev 0.2402

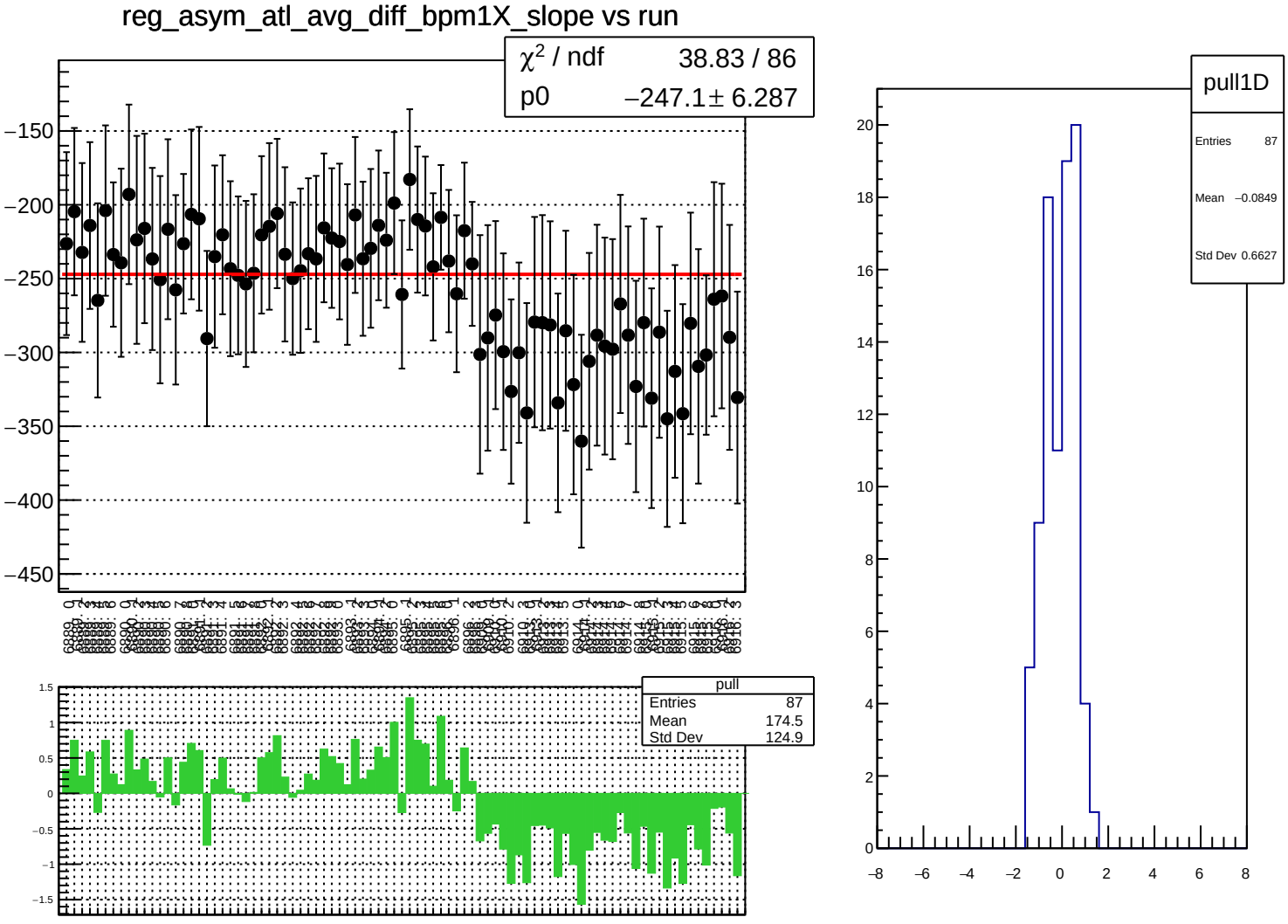

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 29.07 / 86
p0 504.9 ± 10.03
pull
Entries 87
Mean 171.7
Std Dev 118.9
pull1D
Entries 87
Mean 0.06932
Std Dev 0.5739

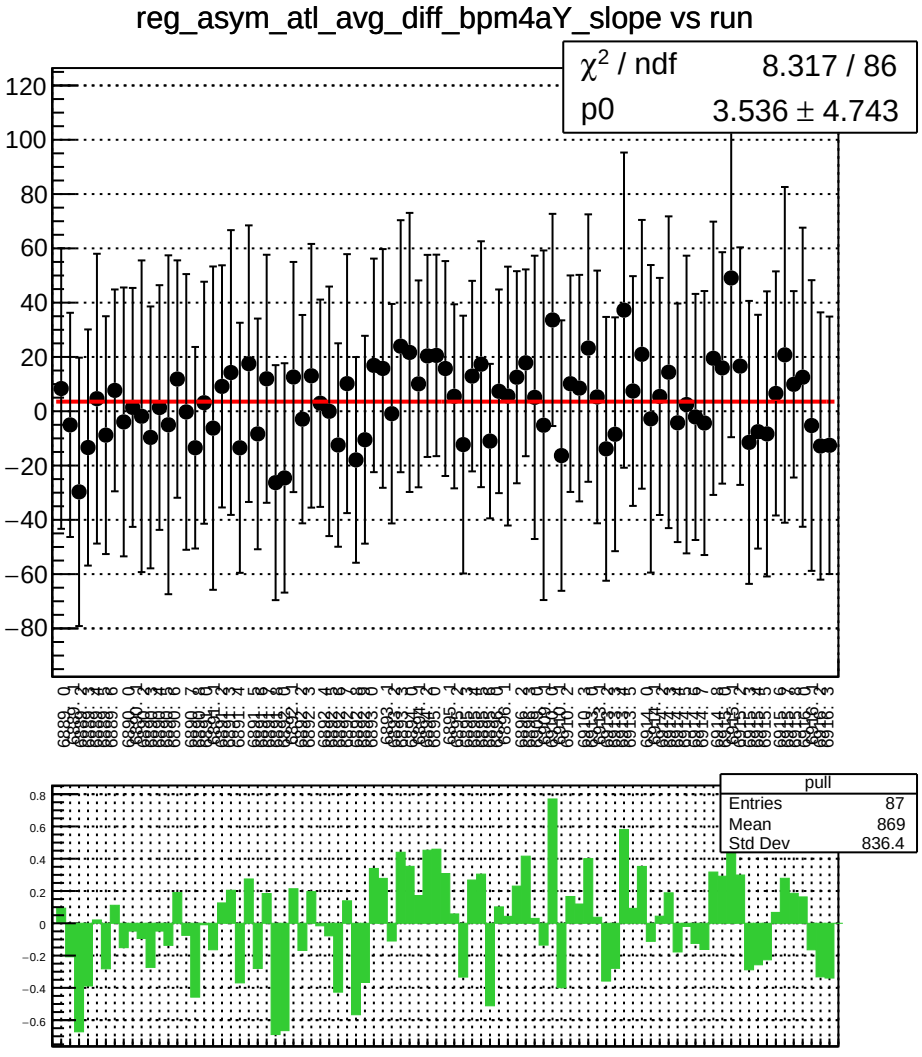

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 5.22 / 86
p0 116.6 ± 9.328
pull
Entries 87
Mean −176.7
Std Dev 236.3

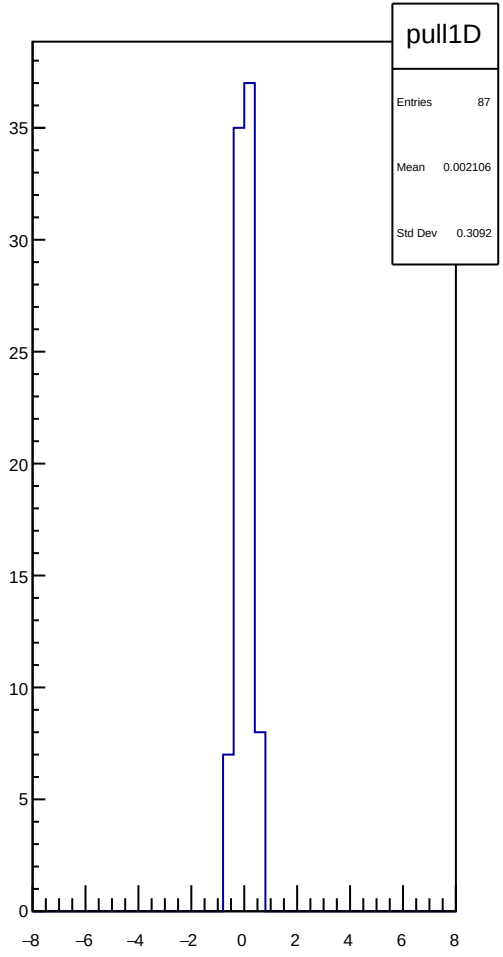

pull1D
Entries 87
Mean −0.001797
Std Dev 0.2449

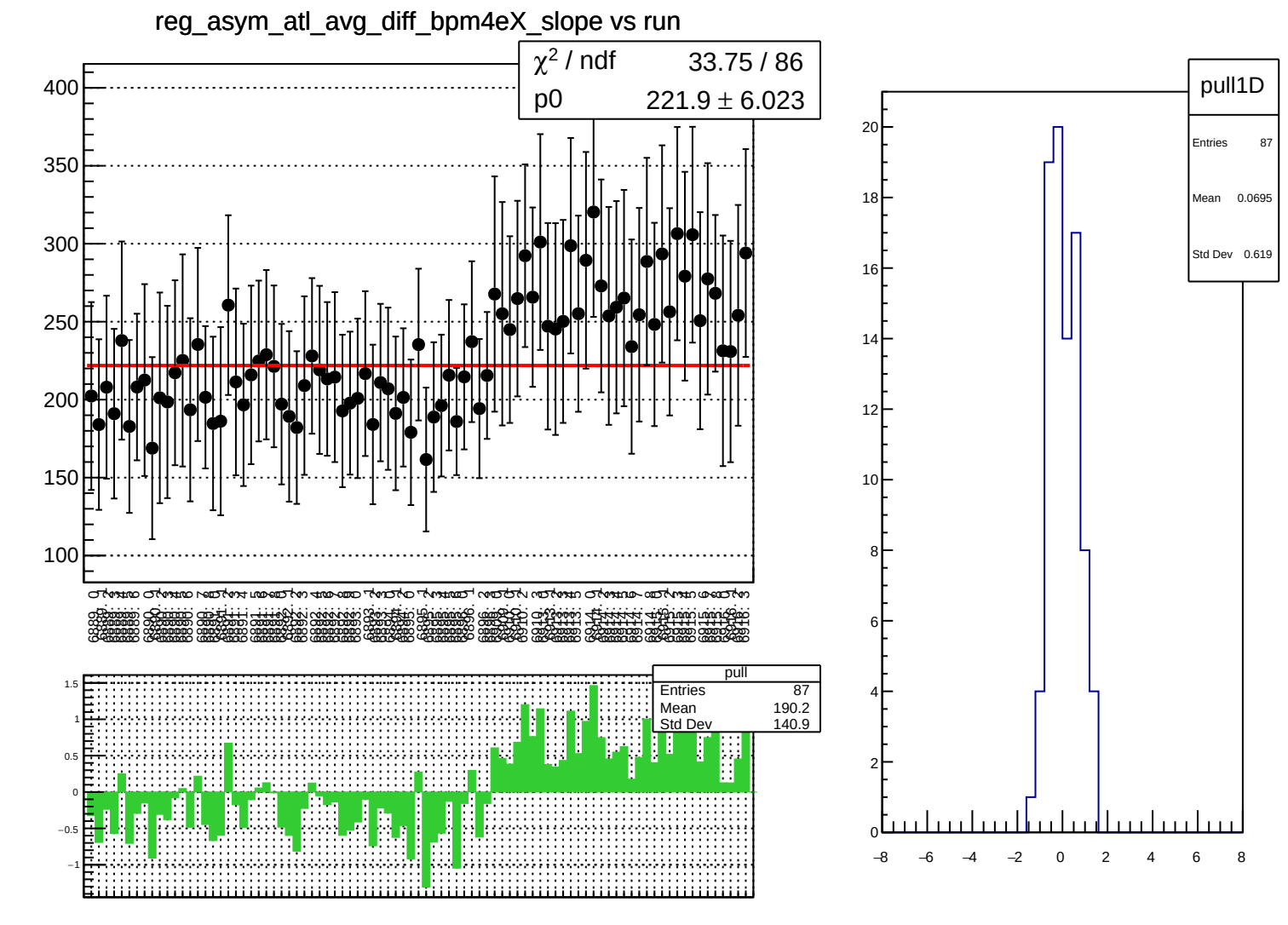

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 97.02 / 86
p0 −257.2 ± 0.4119
−250
−255
−260
−265
−270
pull
Entries 87
Mean 2279
Std Dev 2232
1.5
1
0.5
0
−0.5
−1
−1.5
−2

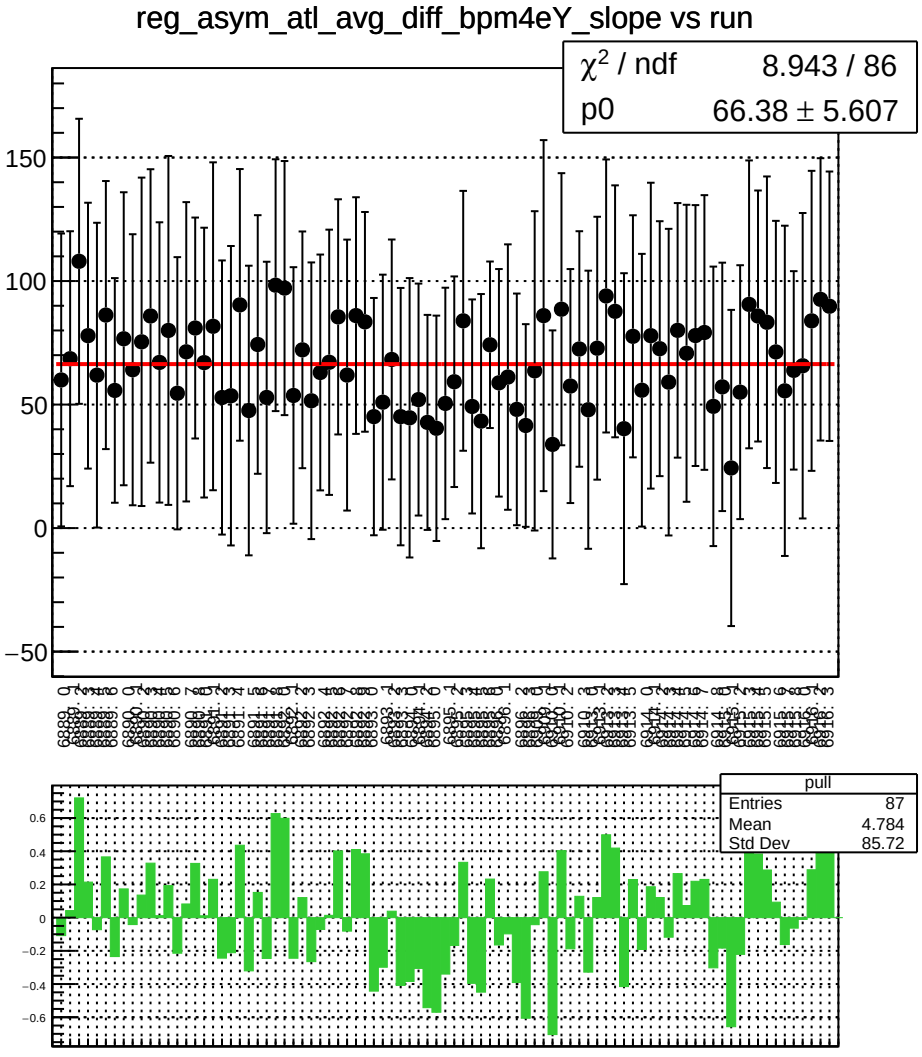

pull1D
Entries 87
Mean −0.009715
Std Dev 1.056
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

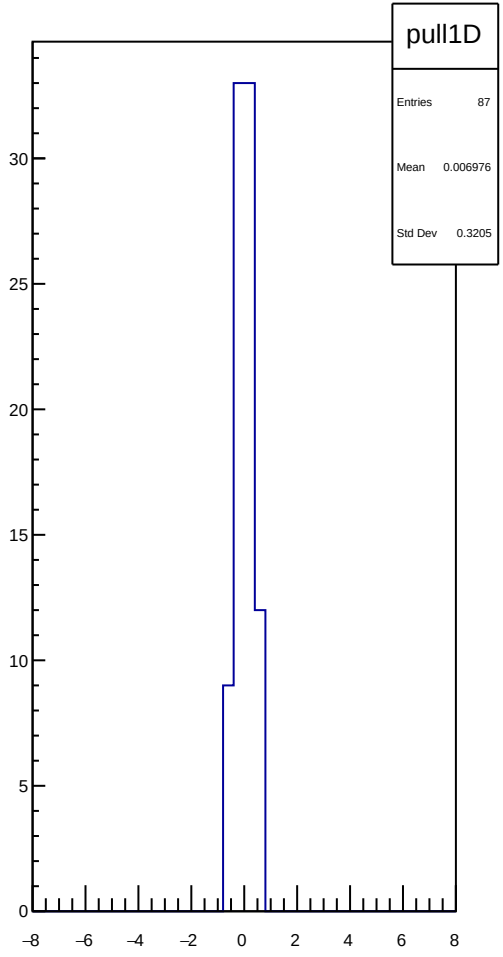

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 38.83 / 86
p0 −247.1 ± 6.287
pull
Entries 87
Mean 174.5
Std Dev 124.9
pull1D
Entries 87
Mean −0.0849
Std Dev 0.6627

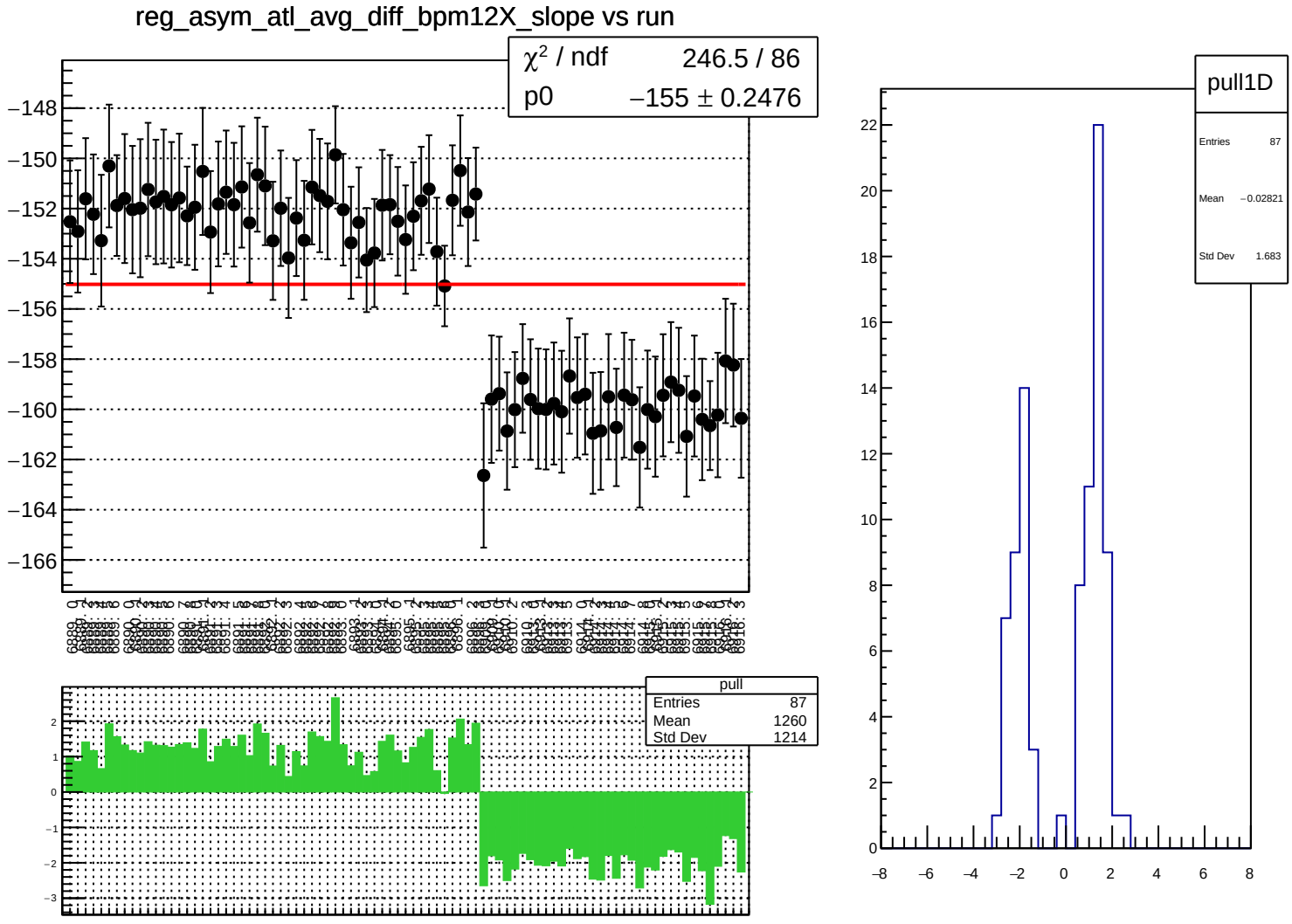

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.317 / 86
p0 3.536 ± 4.743
pull
Entries 87
Mean 869
Std Dev 836.4

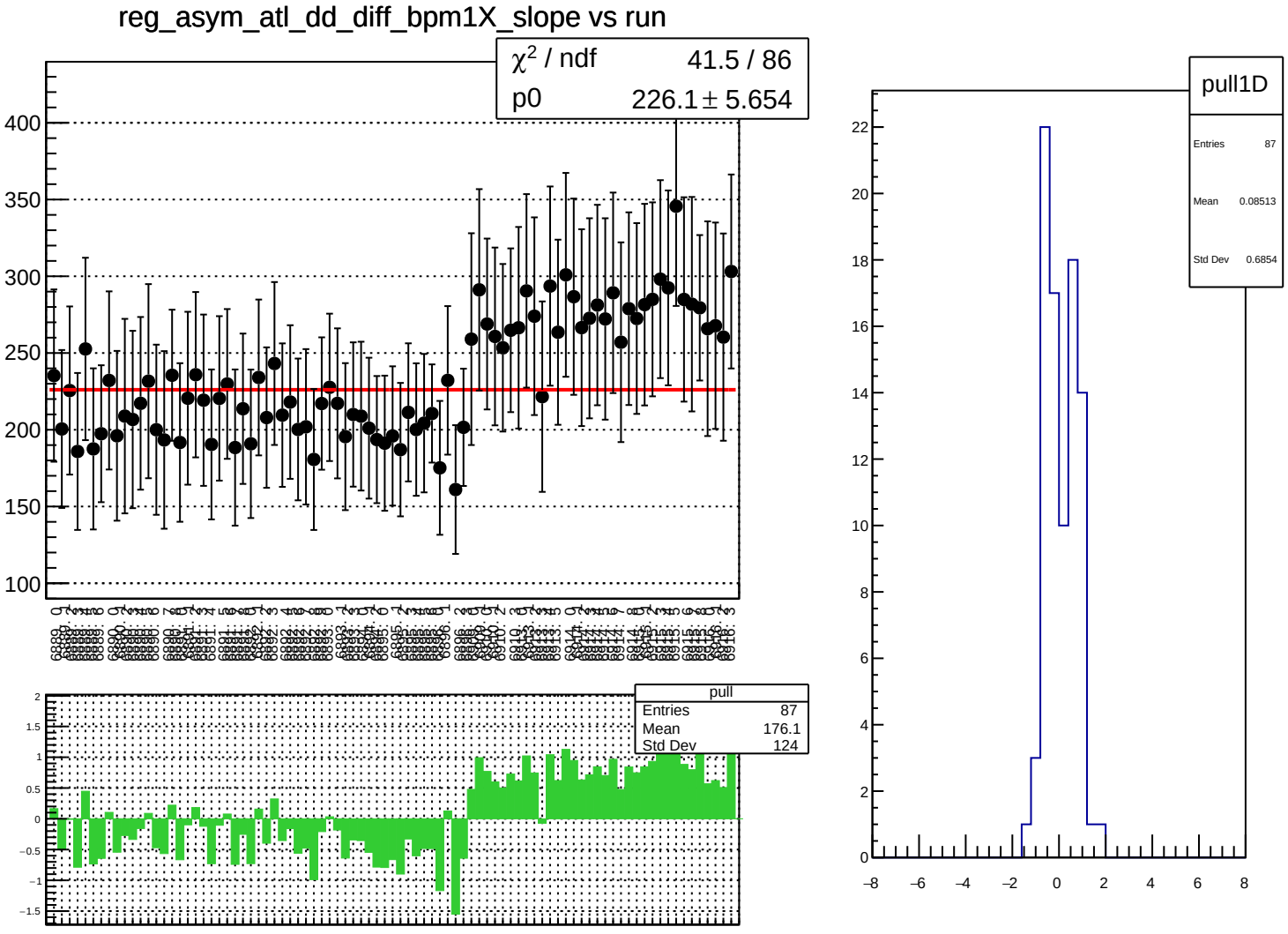

pull1D
Entries 87
Mean 0.002106
Std Dev 0.3092

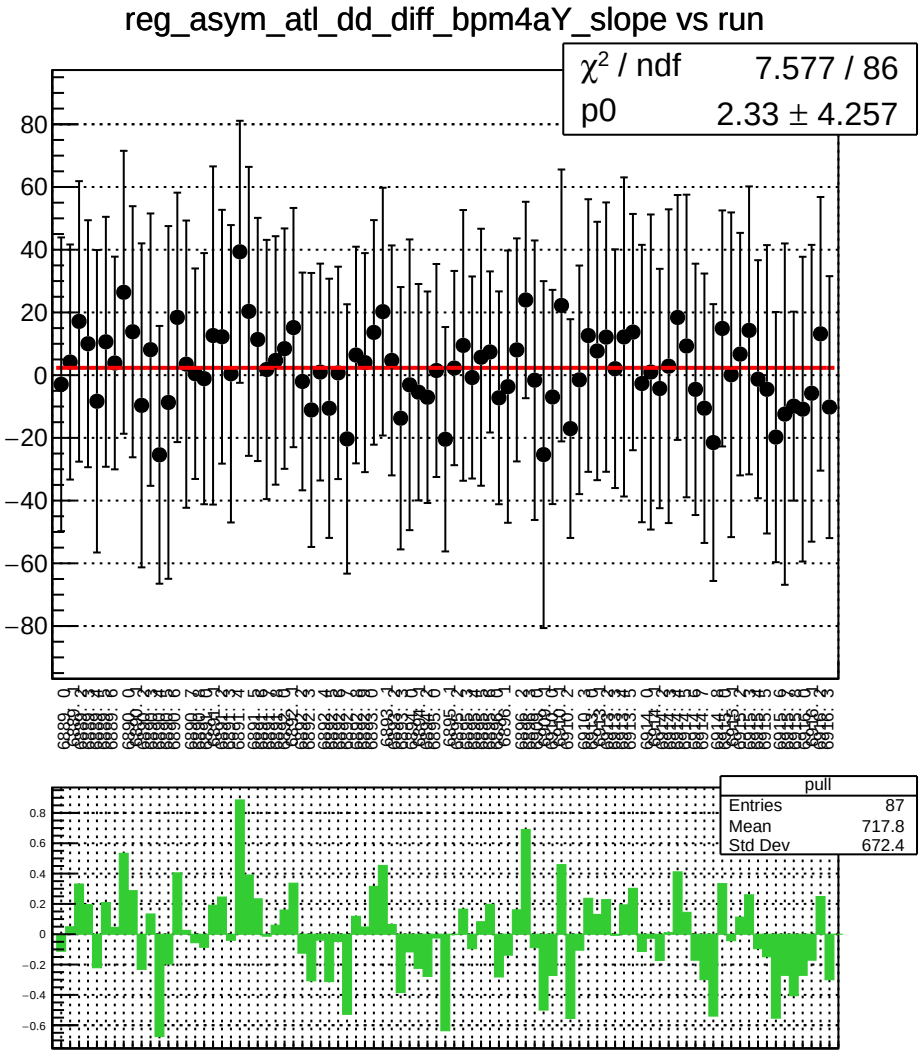

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.75 / 86
p0 221.9 ± 6.023
pull
Entries 87
Mean 190.2
Std Dev 140.9
pull1D
Entries 87
Mean 0.0695
Std Dev 0.619

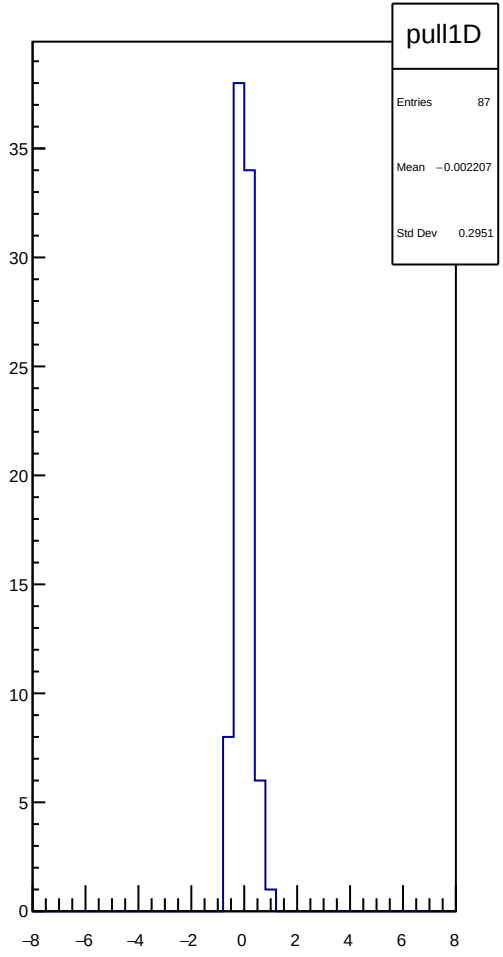

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.943 / 86
p0 66.38 ± 5.607
150
100
50
0
−50
pull
Entries 87
Mean 4.784
Std Dev 85.72
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

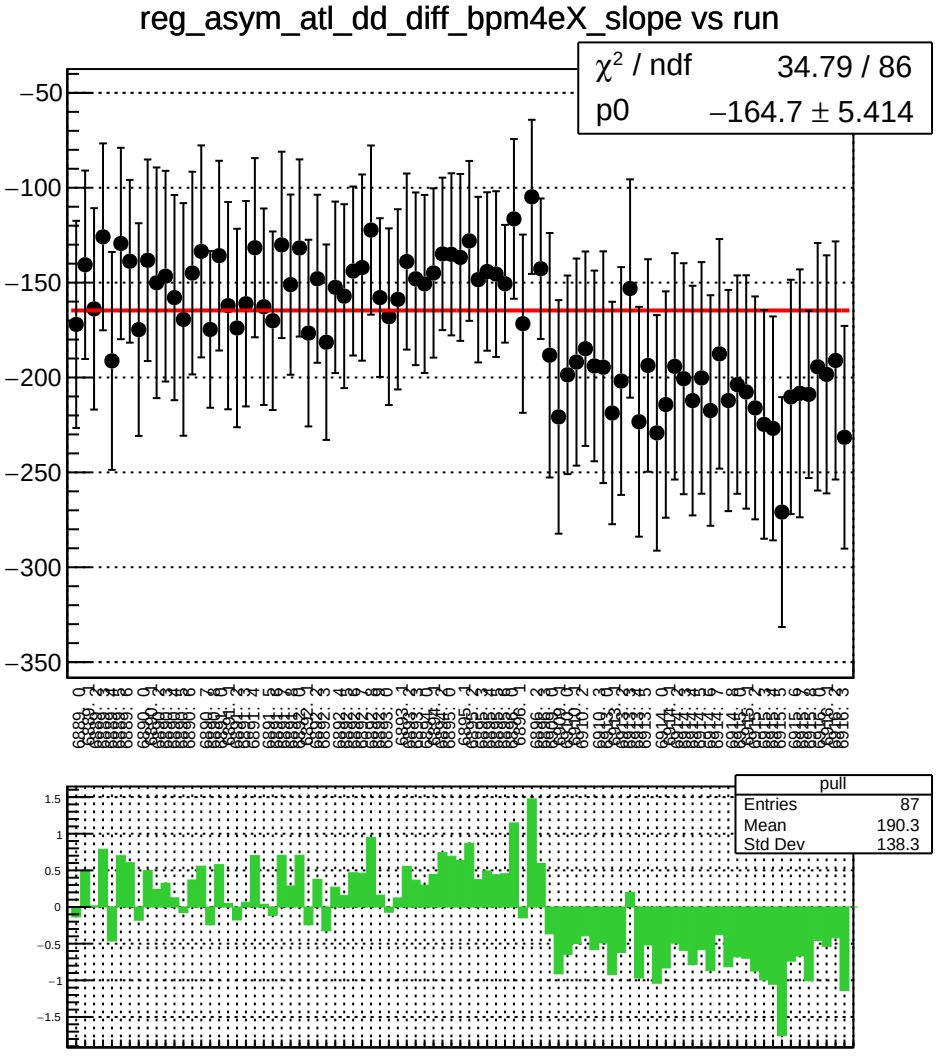

pull1D
Entries 87
Mean 0.006976
Std Dev 0.3205
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

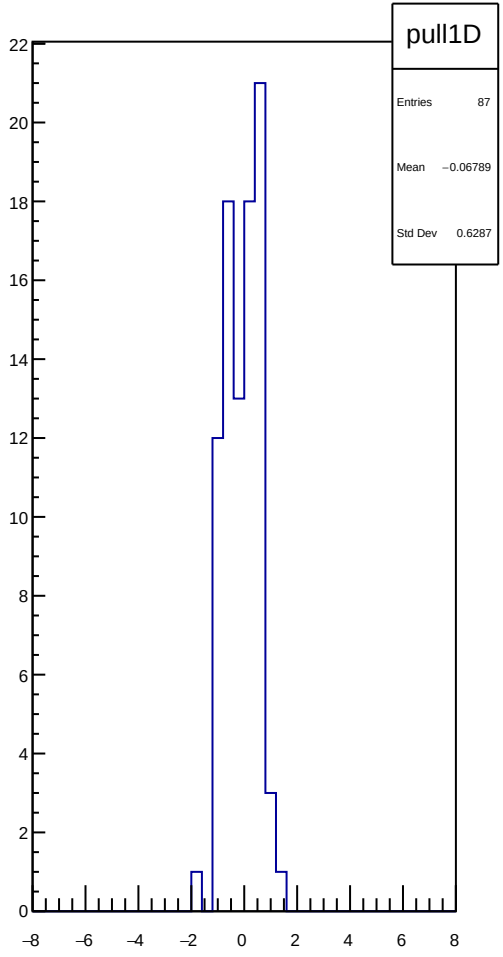

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 246.5 / 86
p0 −155 ± 0.2476
pull
Entries 87
Mean 1260
Std Dev 1214
pull1D
Entries 87
Mean −0.02821
Std Dev 1.683

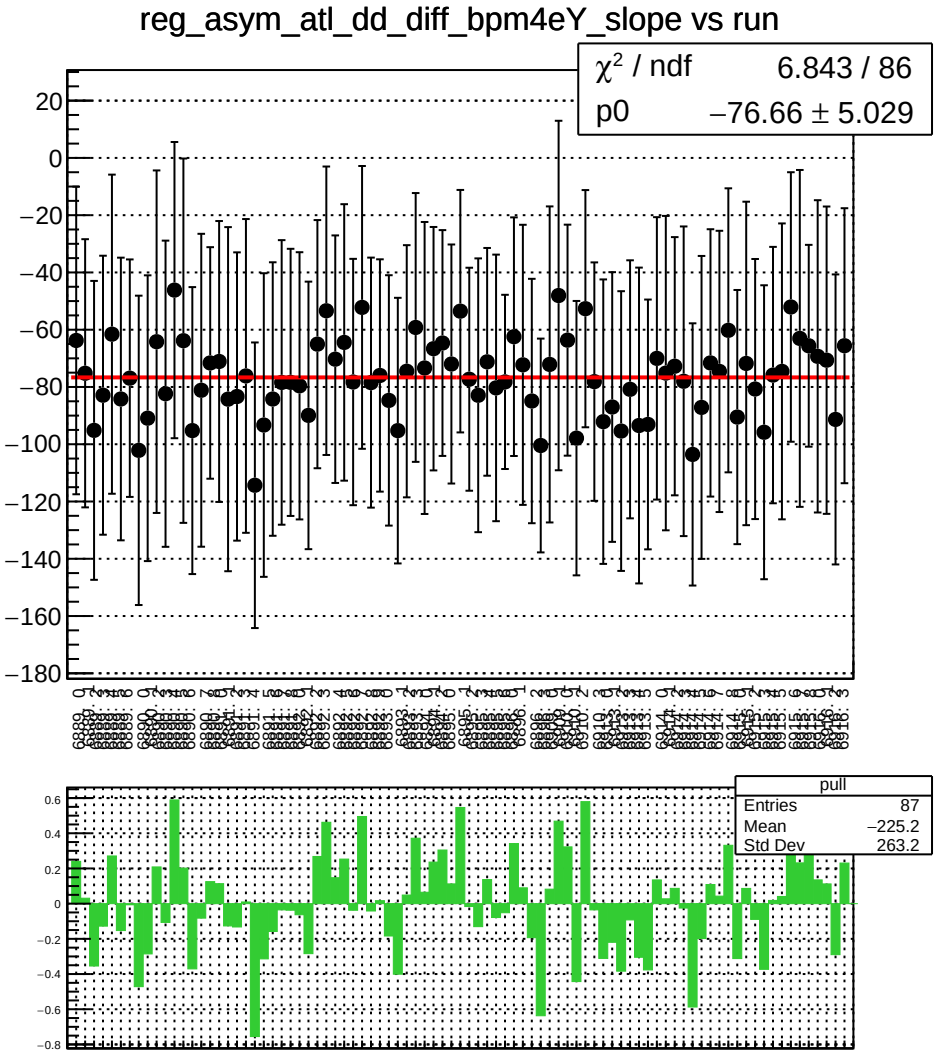

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 41.5 / 86
p0 226.1 ± 5.654
pull
Entries 87
Mean 176.1
Std Dev 124
pull1D
Entries 87
Mean 0.08513
Std Dev 0.6854

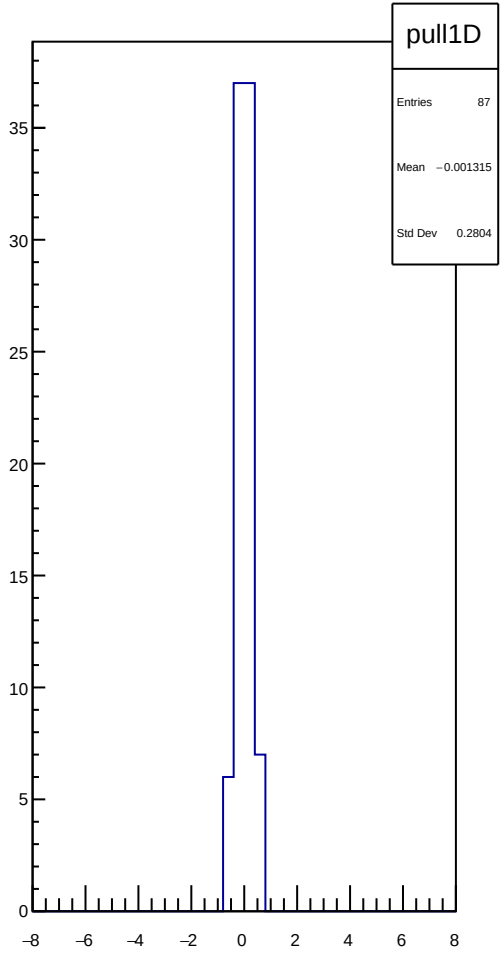

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.577 / 86
p0 2.33 ± 4.257
pull
Entries 87
Mean 717.8
Std Dev 672.4

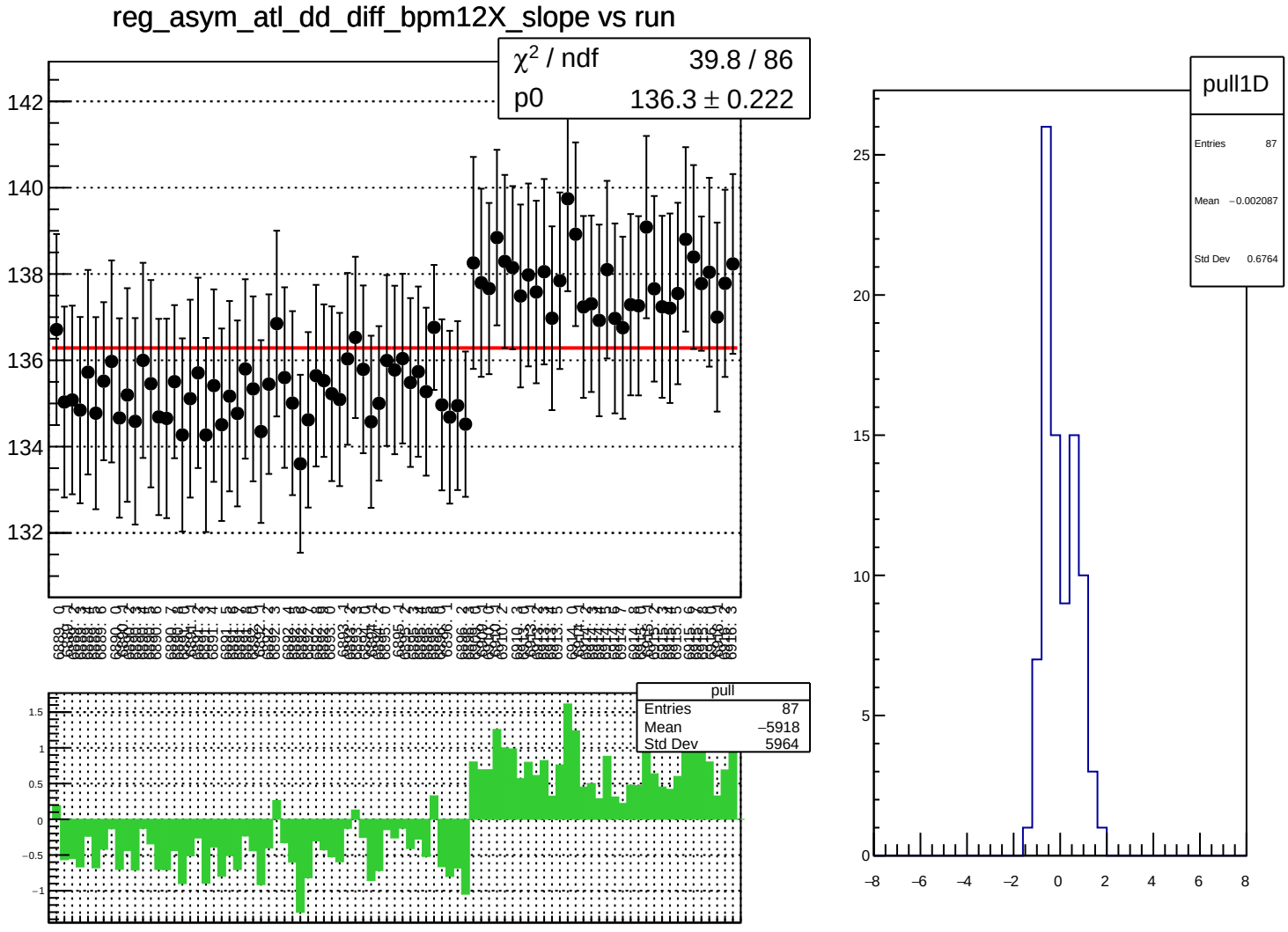

pull1D
Entries 87
Mean −0.002207
Std Dev 0.2951

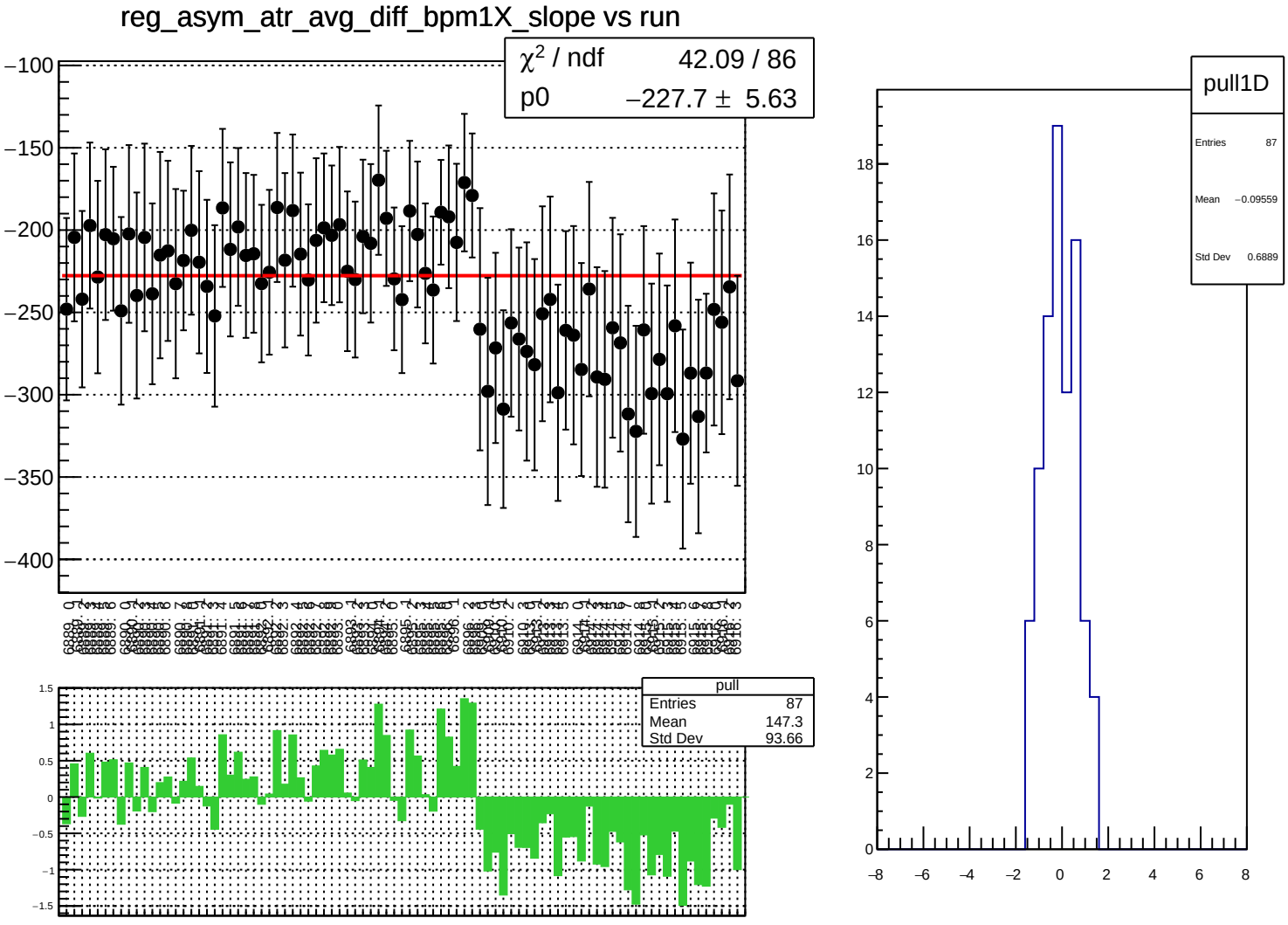

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.79 / 86
p0 −164.7 ± 5.414
pull
Entries 87
Mean 190.3
Std Dev 138.3

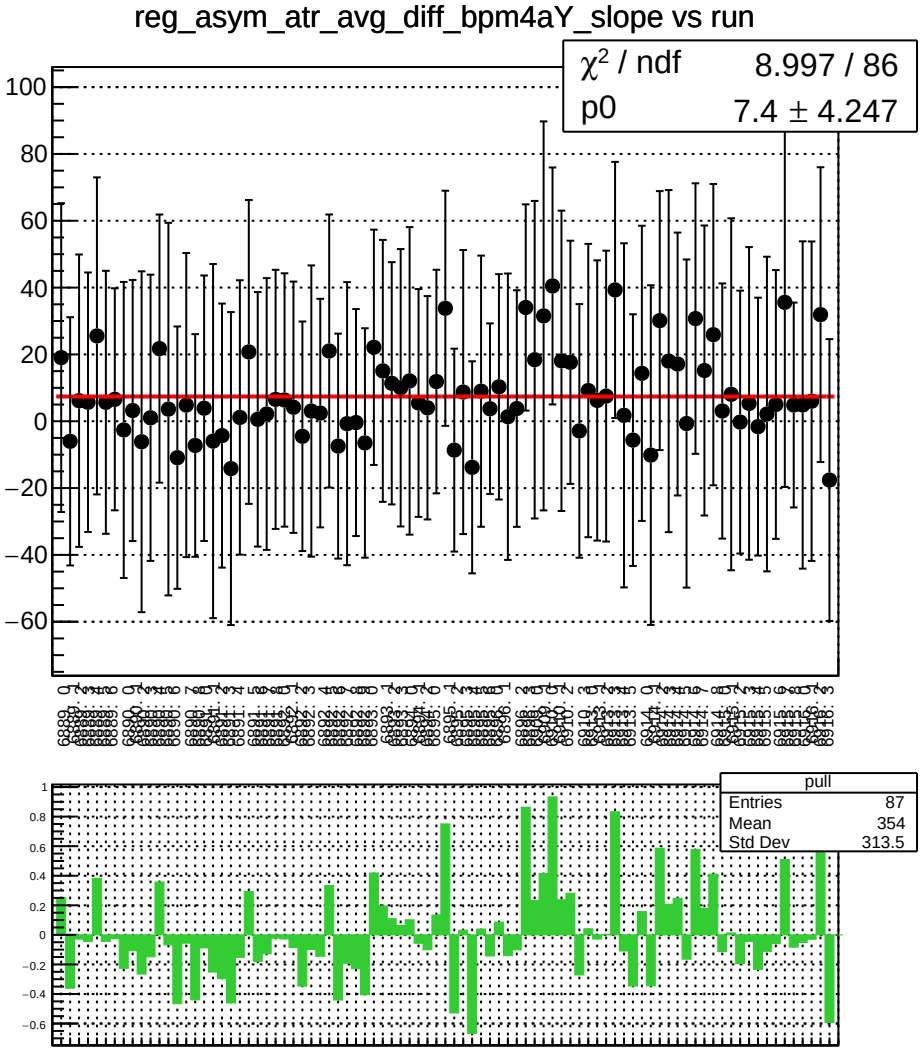

pull1D
Entries 87
Mean −0.06789
Std Dev 0.6287

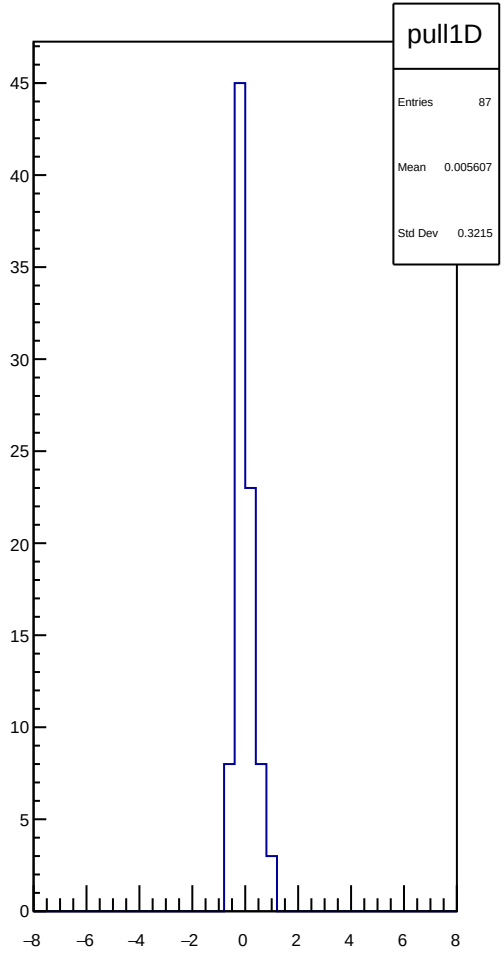

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.843 / 86
p0 −76.66 ± 5.029
pull
Entries 87
Mean −225.2
Std Dev 263.2

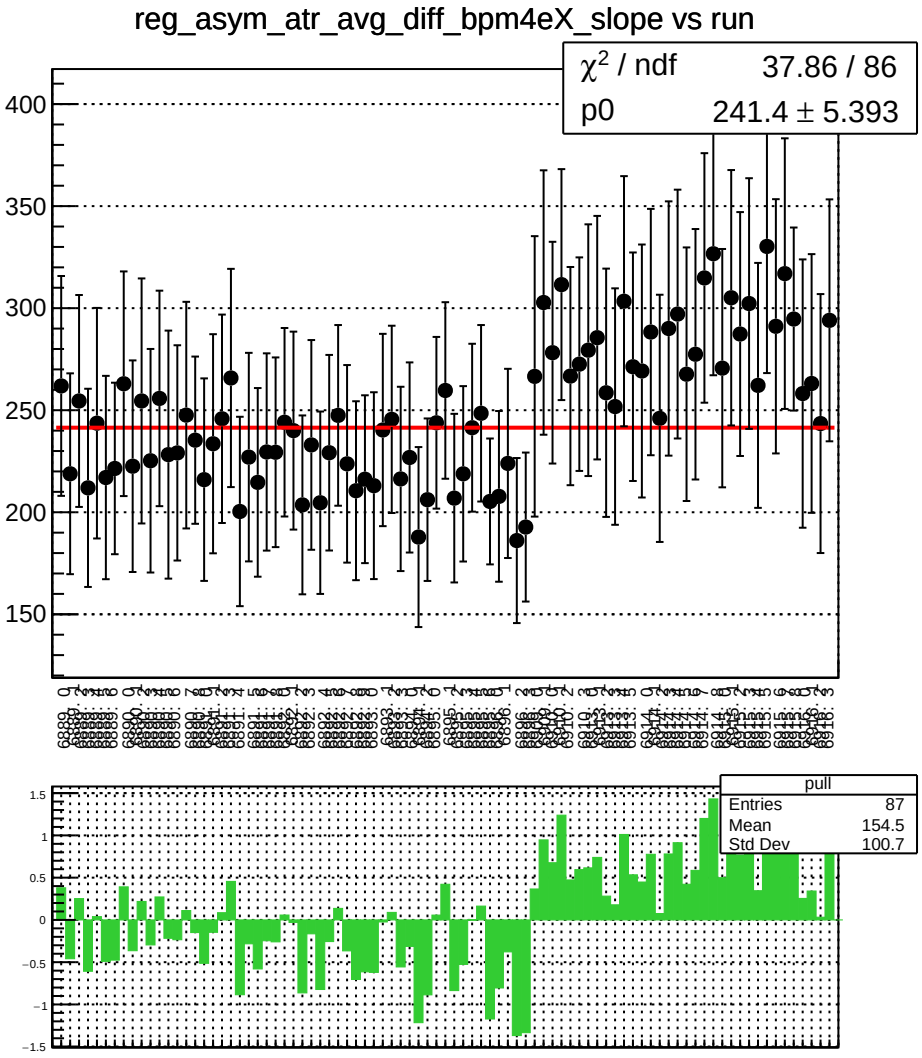

pull1D
Entries 87
Mean −0.001315
Std Dev 0.2804

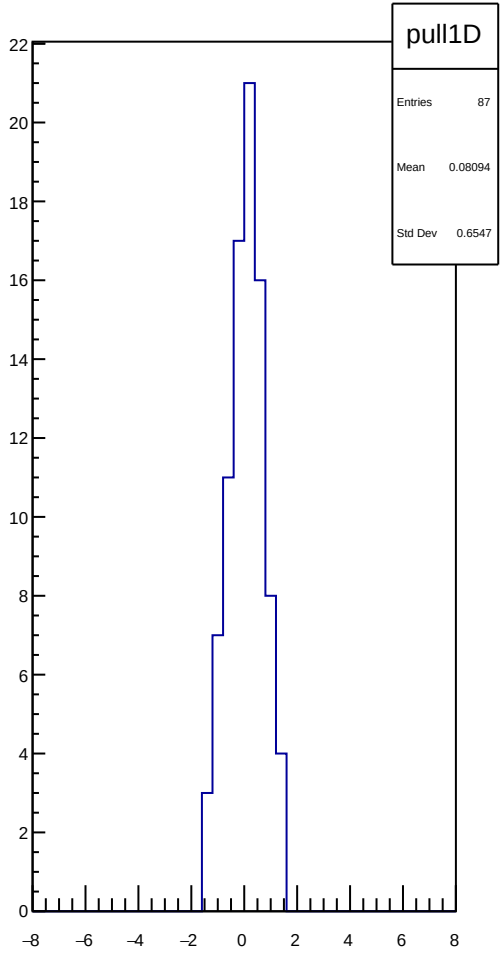

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 39.8 / 86
p0 136.3 ± 0.222
142
140
138
136
134
132
pull
Entries 87
Mean −5918
Std Dev 5964
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.002087
Std Dev 0.6764
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

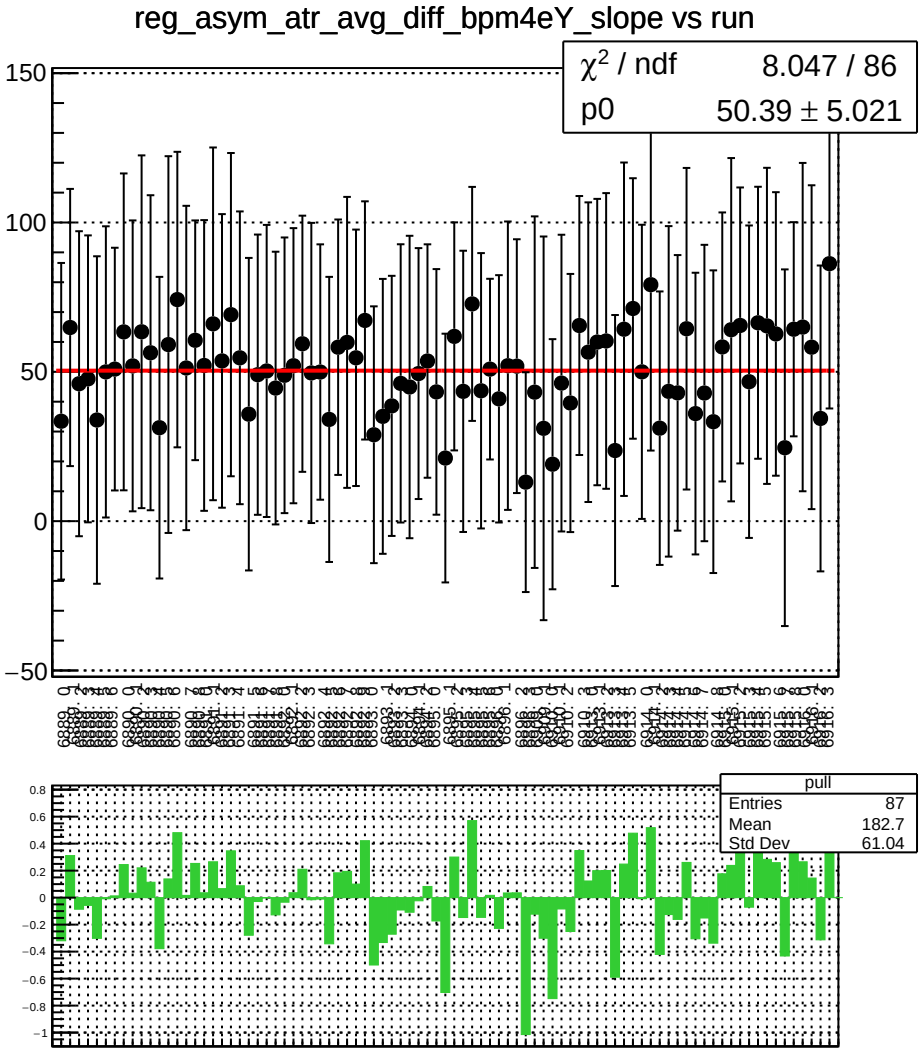

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 42.09 / 86
p0 −227.7 ± 5.63
pull
Entries 87
Mean 147.3
Std Dev 93.66
pull1D
Entries 87
Mean −0.09559
Std Dev 0.6889

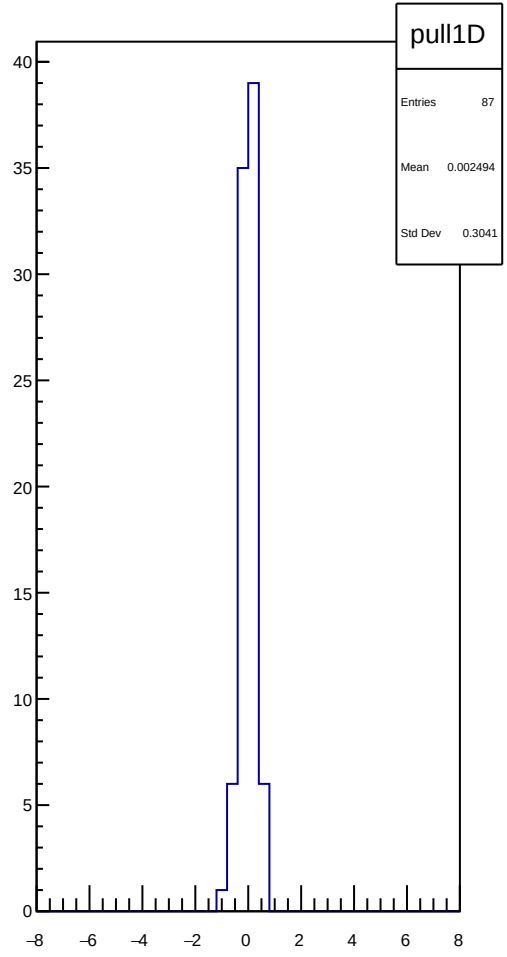

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.997 / 86
p0 7.4 ± 4.247
pull
Entries 87
Mean 354
Std Dev 313.5

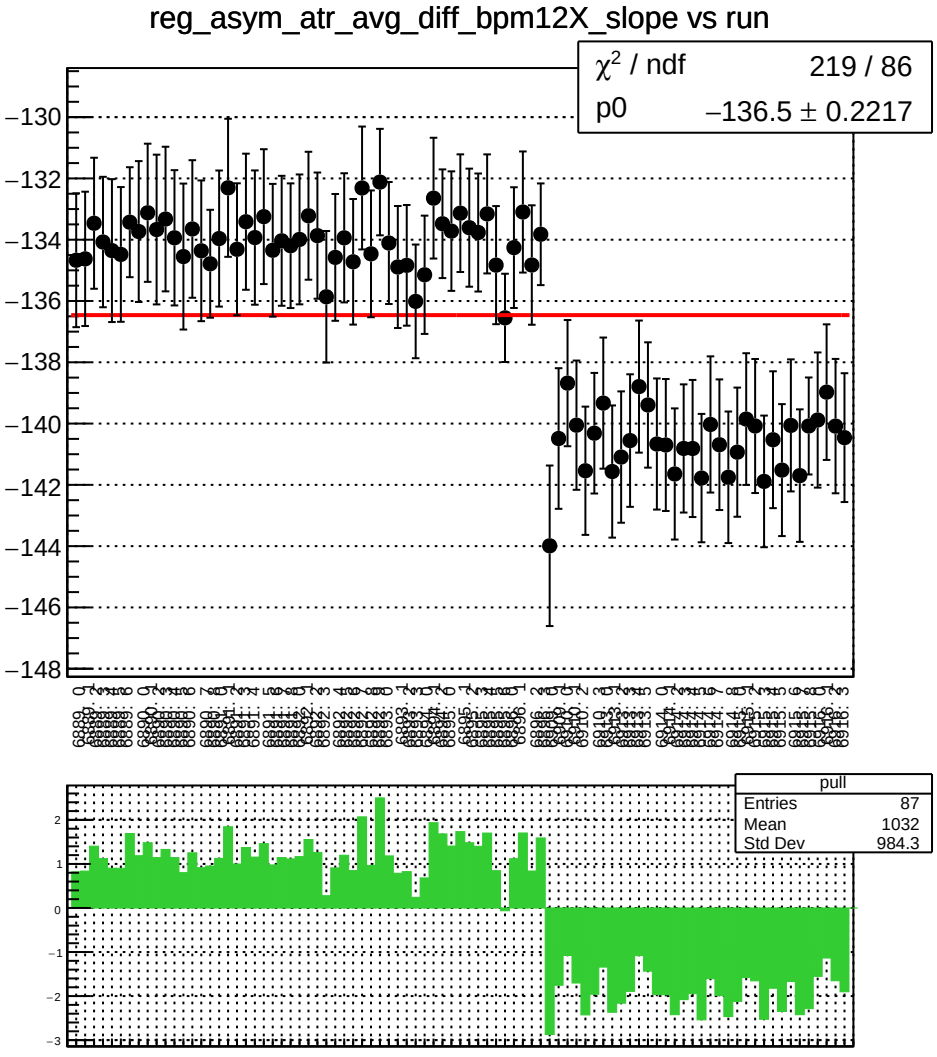

pull1D
Entries 87
Mean 0.005607
Std Dev 0.3215

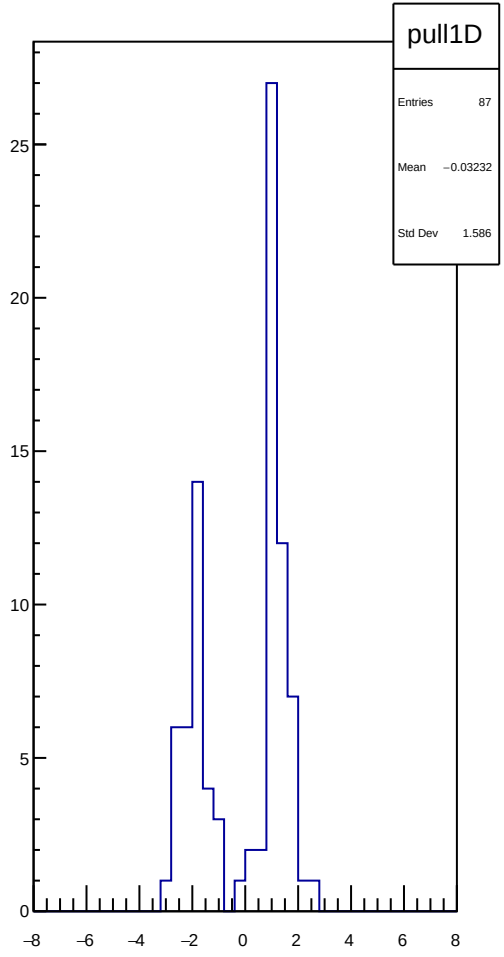

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 37.86 / 86
p0 241.4 ± 5.393
pull
Entries 87
Mean 154.5
Std Dev 100.7

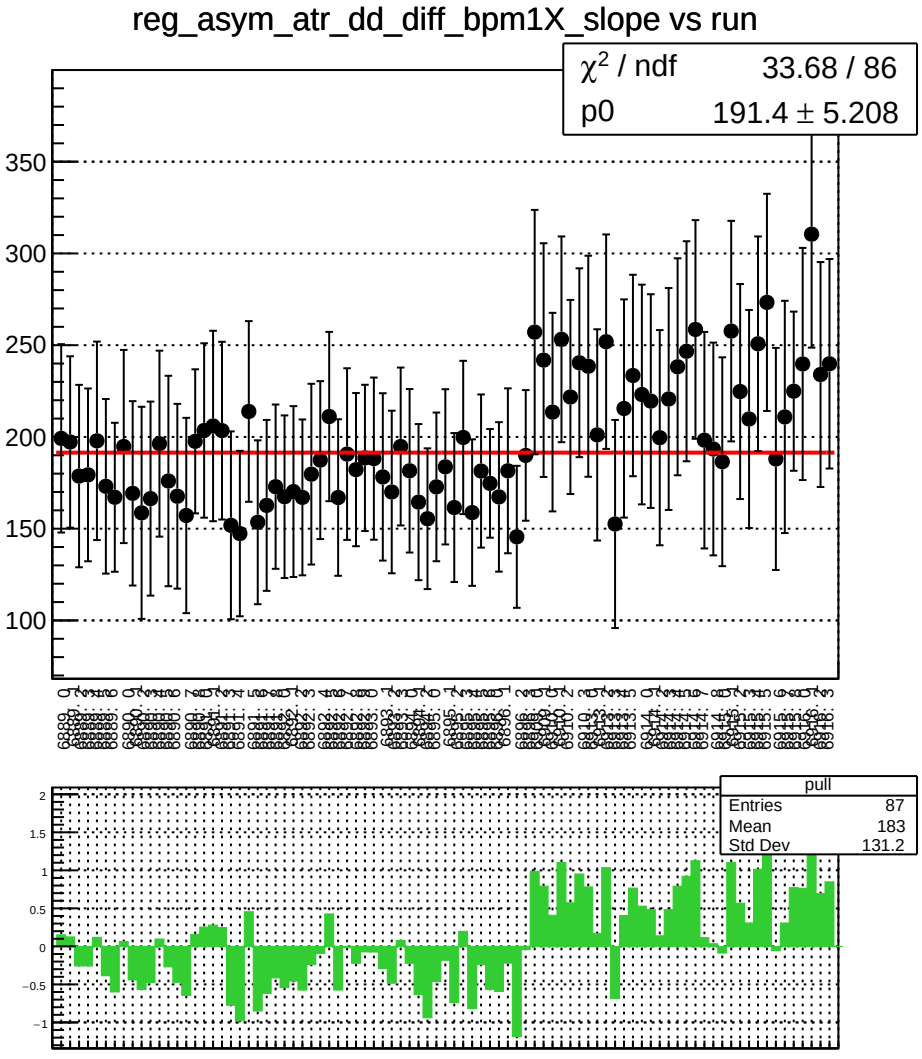

pull1D
Entries 87
Mean 0.08094
Std Dev 0.6547

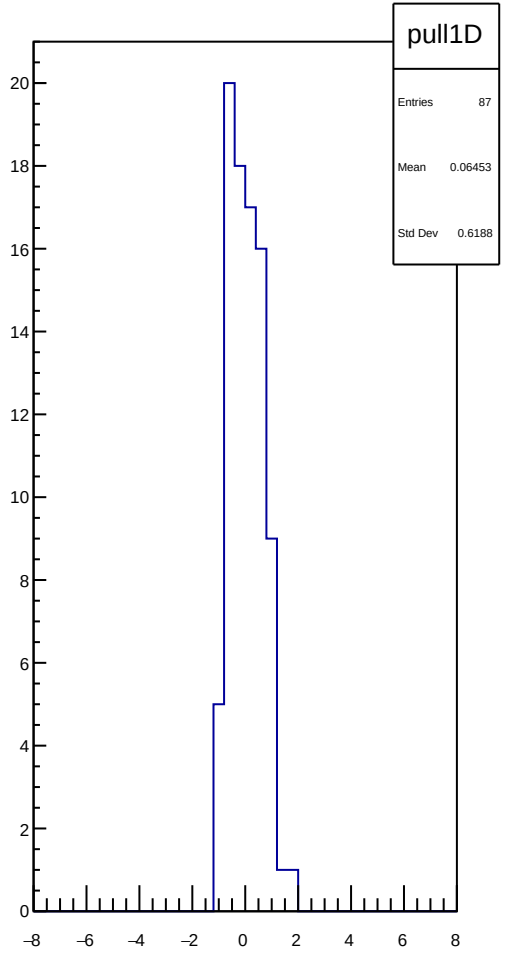

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.047 / 86
p0 50.39 ± 5.021
150
100
50
0
−50
pull
Entries 87
Mean 182.7
Std Dev 61.04
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

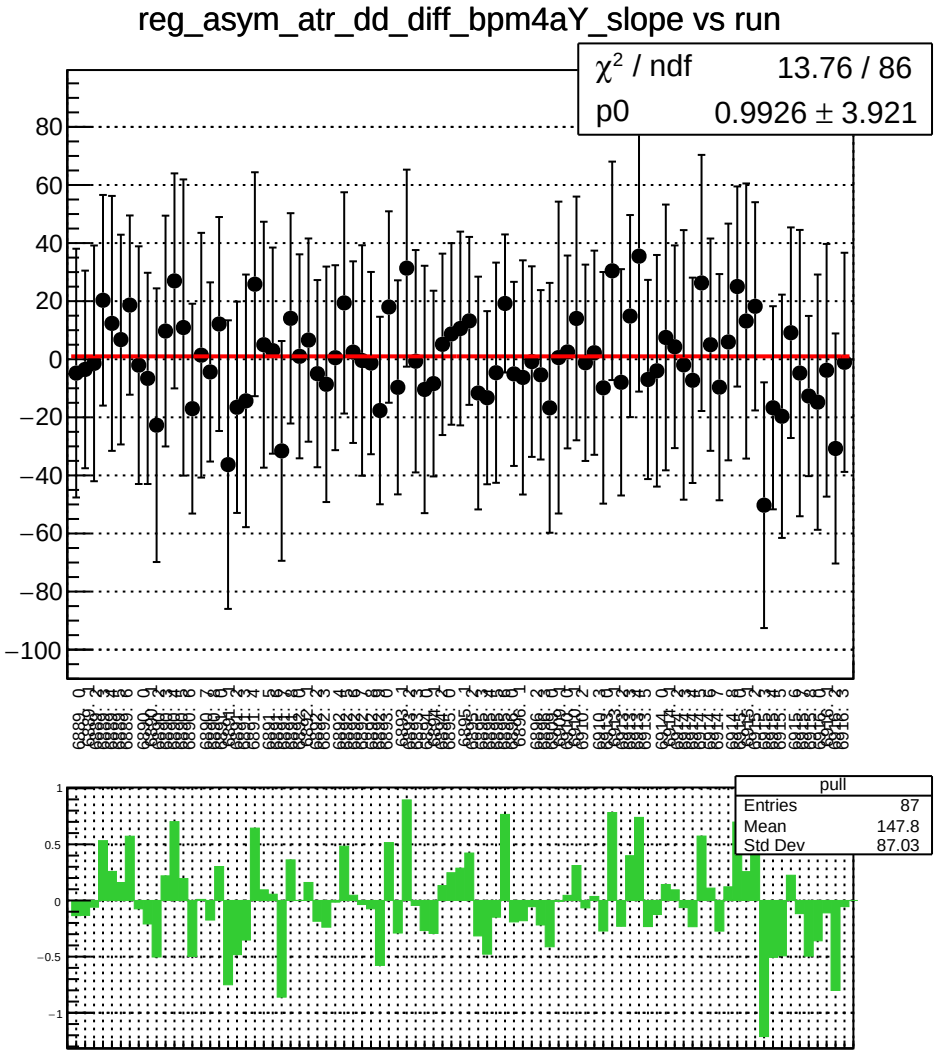

pull1D
Entries 87
Mean 0.002494
Std Dev 0.3041
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

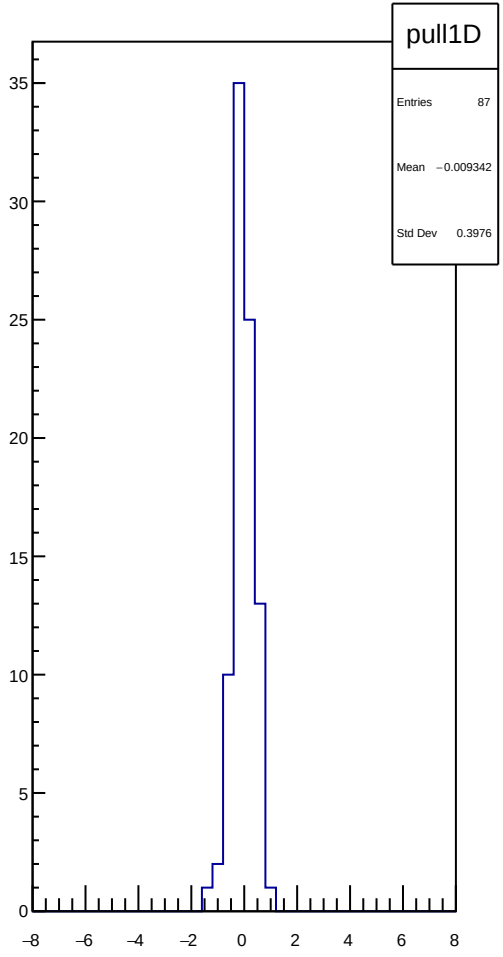

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 219 / 86
p0 −136.5 ± 0.2217
pull
Entries 87
Mean 1032
Std Dev 984.3

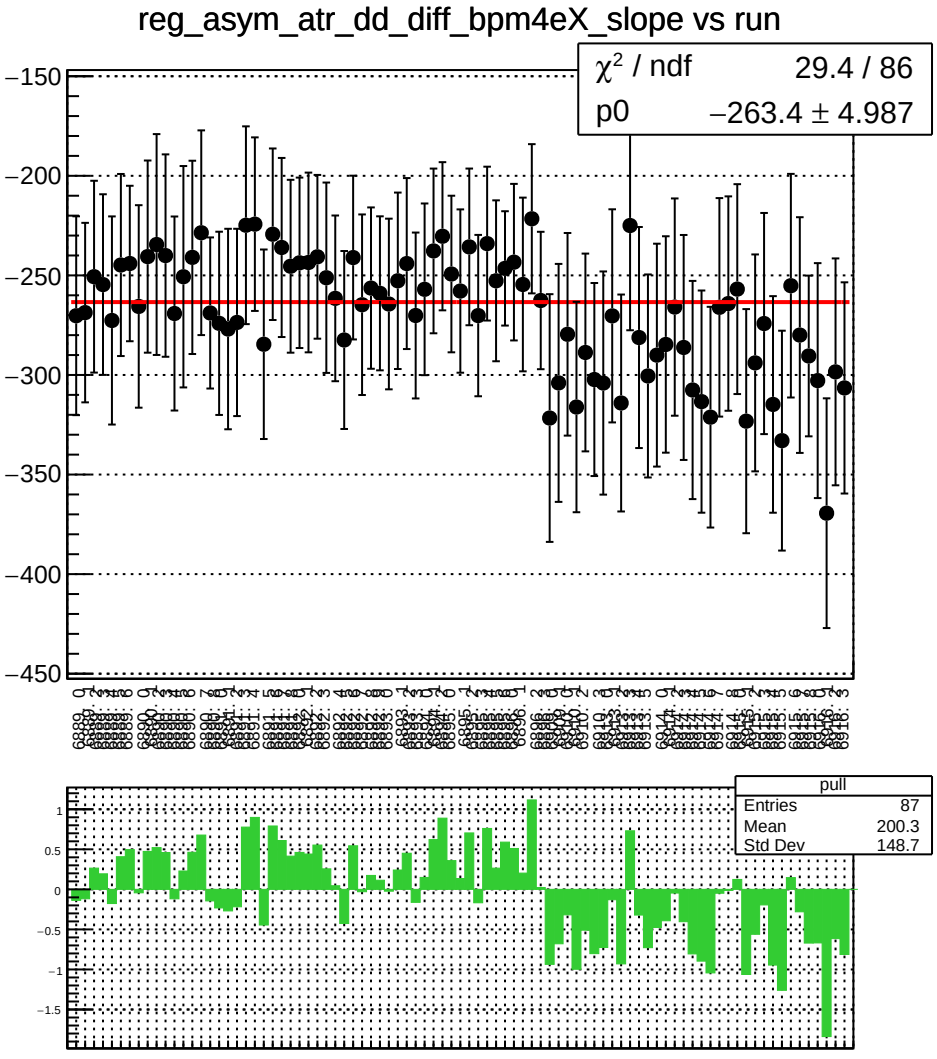

pull1D
Entries 87
Mean −0.03232
Std Dev 1.586

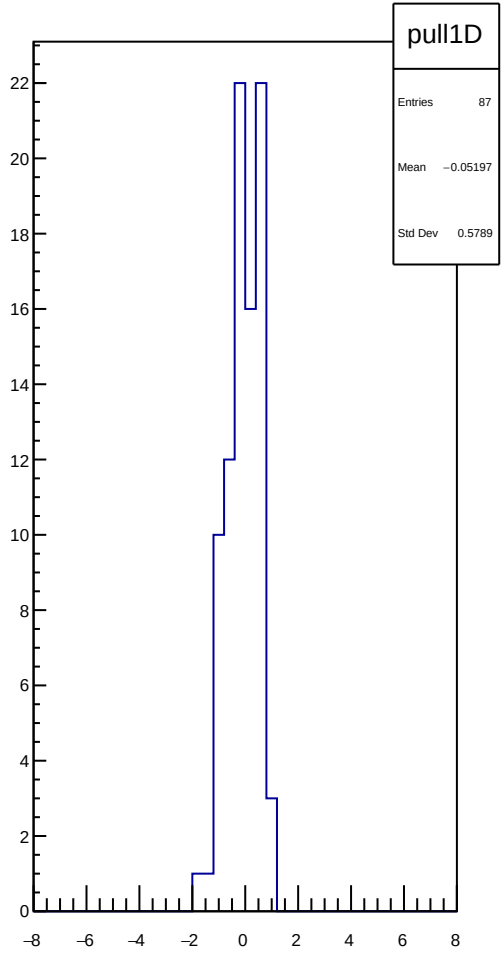

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 33.68 / 86
p0 191.4 ± 5.208
pull
Entries 87
Mean 183
Std Dev 131.2

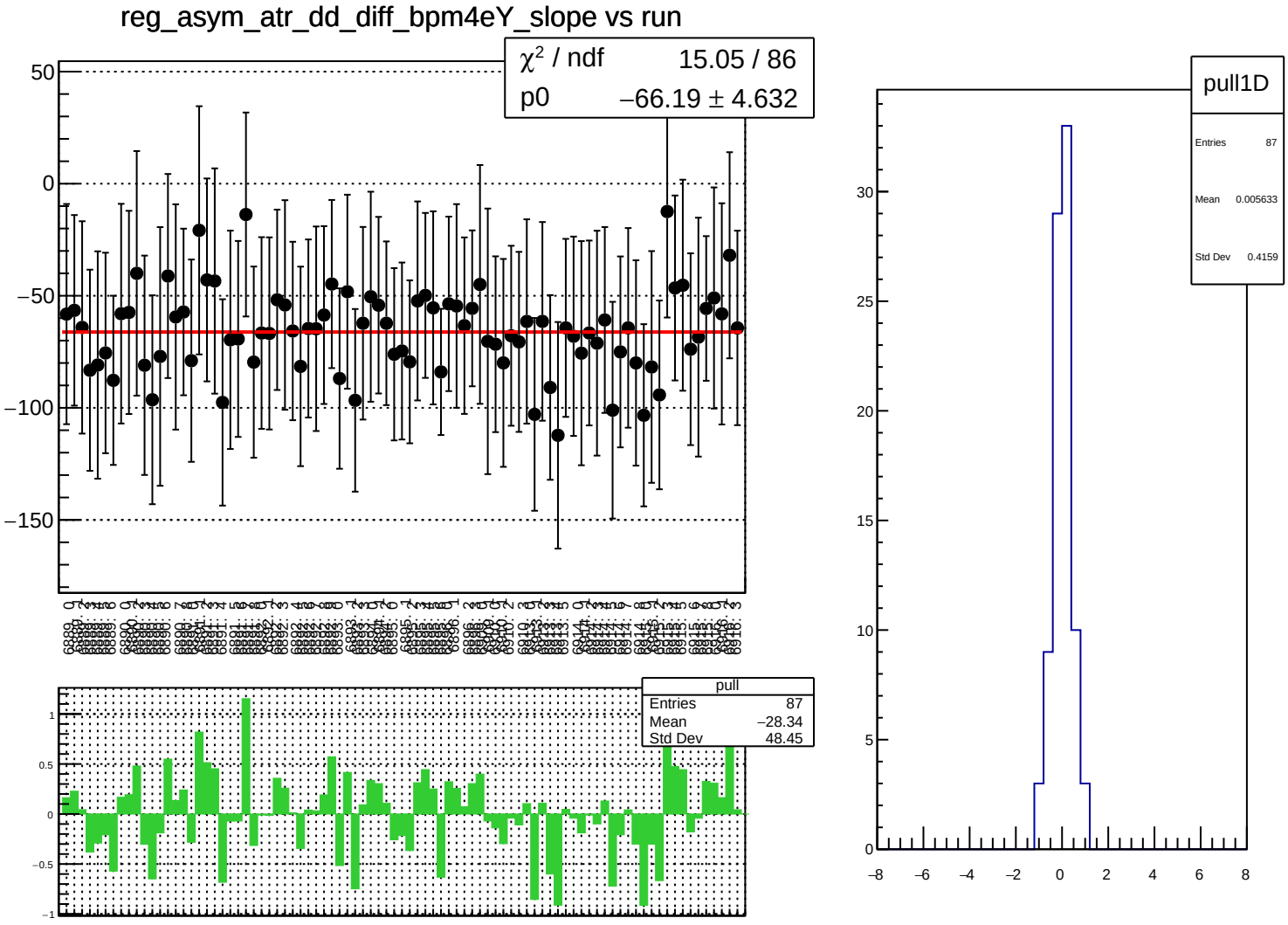

pull1D
Entries 87
Mean 0.06453
Std Dev 0.6188

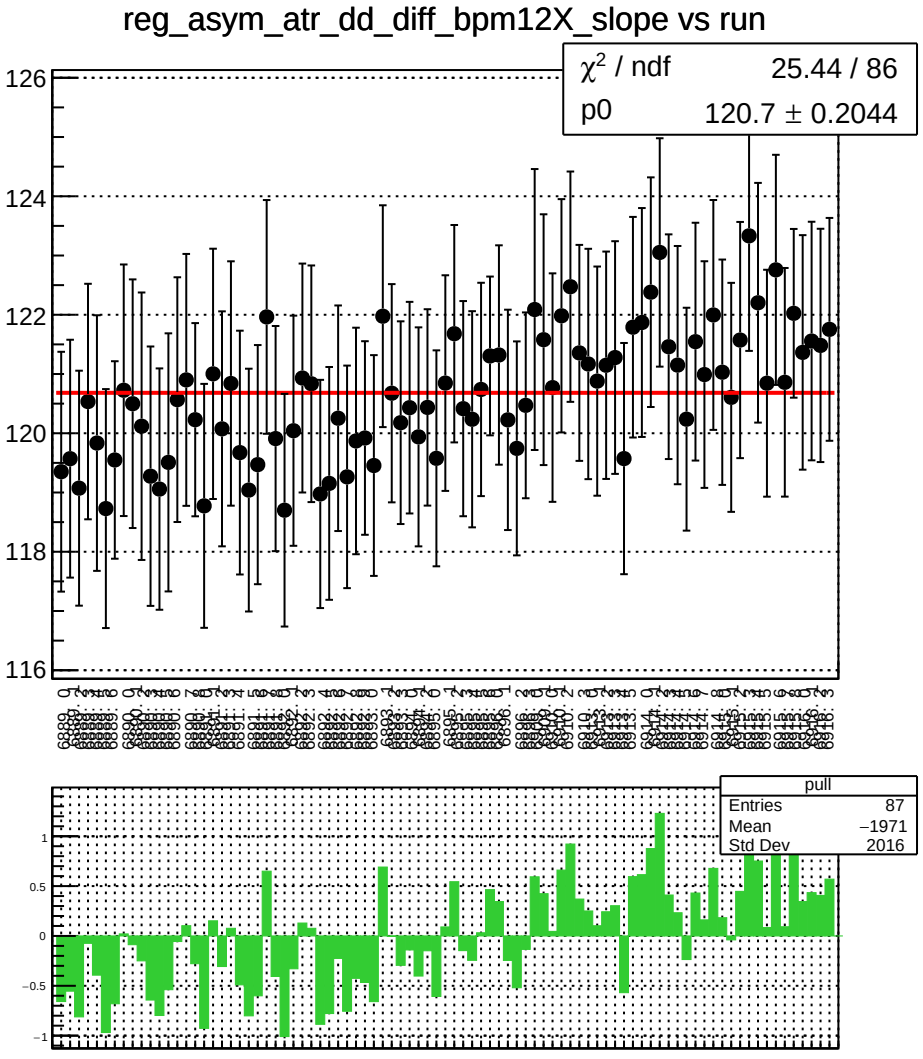

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 13.76 / 86
p0 0.9926 ± 3.921
pull
Entries 87
Mean 147.8
Std Dev 87.03

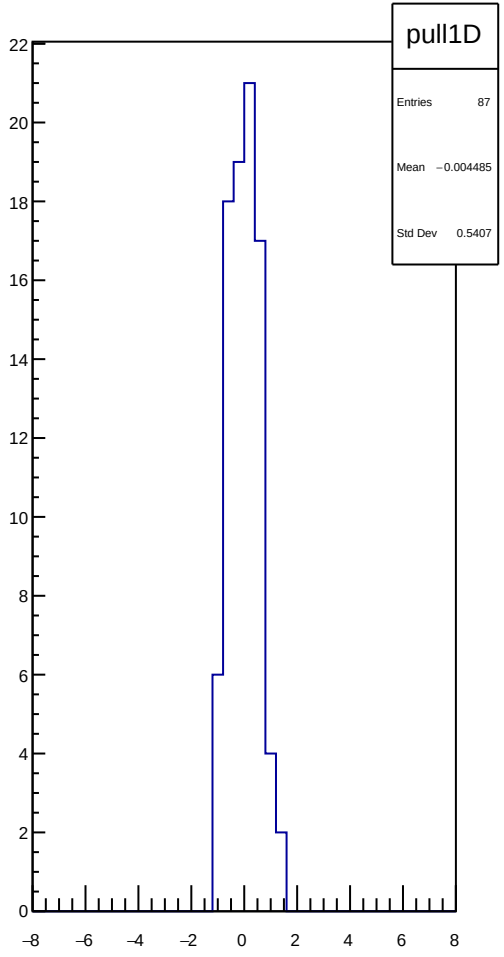

pull1D
Entries 87
Mean −0.009342
Std Dev 0.3976

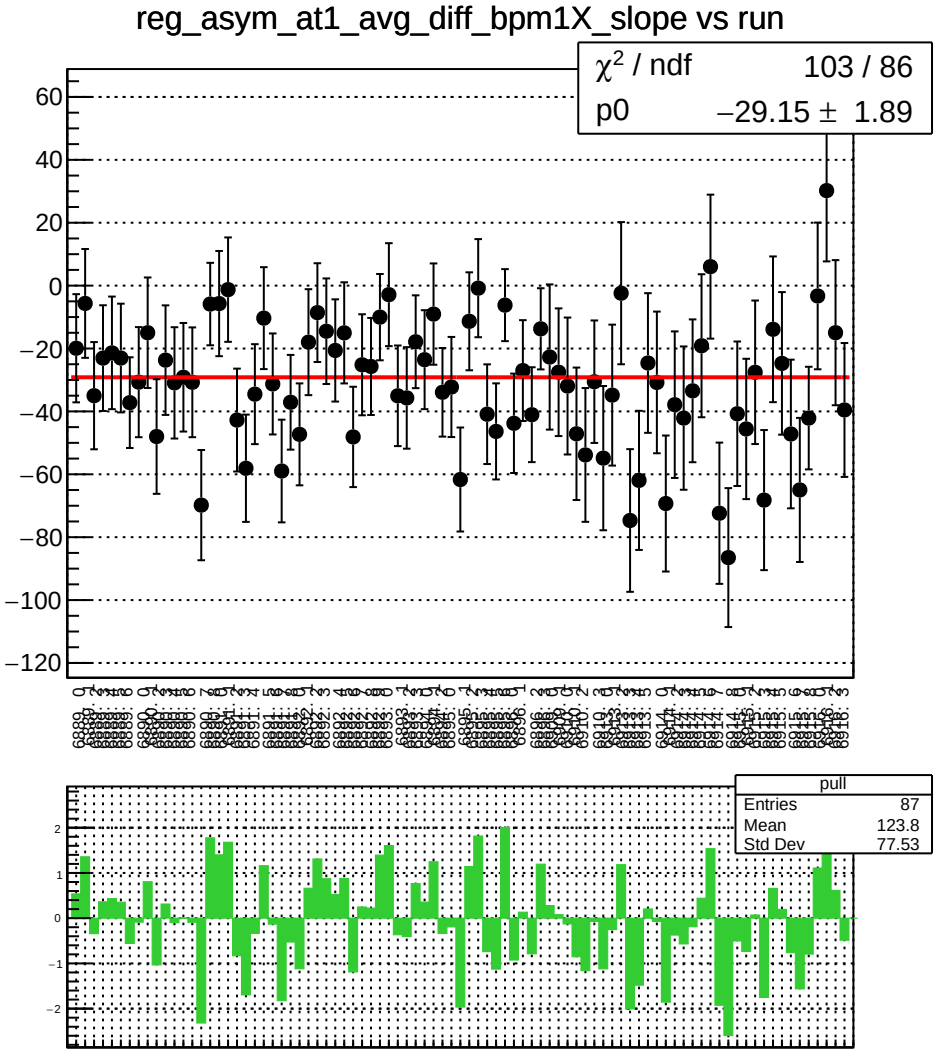

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 29.4 / 86
p0 −263.4 ± 4.987
pull
Entries 87
Mean 200.3
Std Dev 148.7

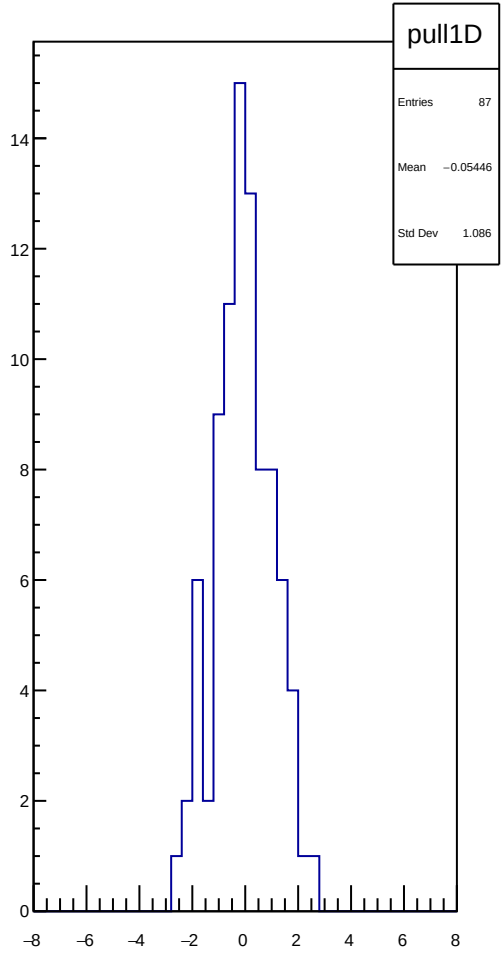

pull1D
Entries 87
Mean −0.05197
Std Dev 0.5789

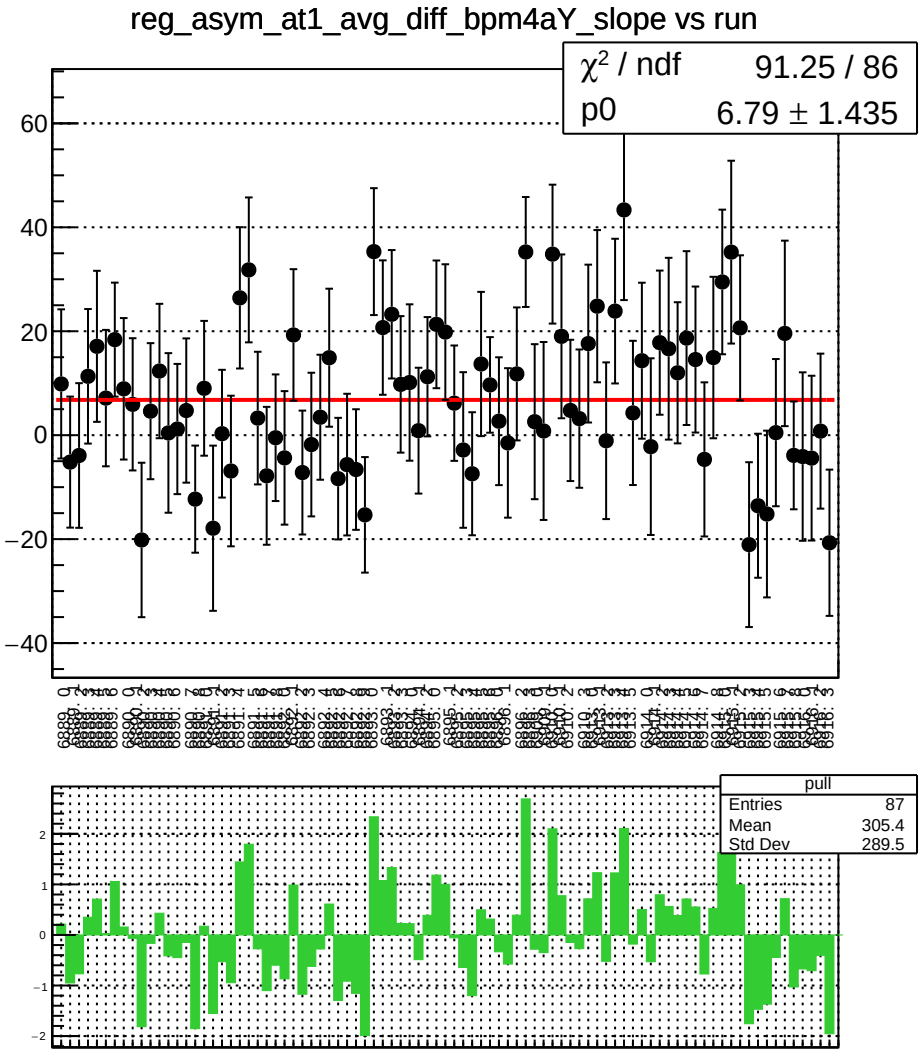

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.05 / 86
p0 −66.19 ± 4.632
pull
Entries 87
Mean −28.34
Std Dev 48.45
pull1D
Entries 87
Mean 0.005633
Std Dev 0.4159

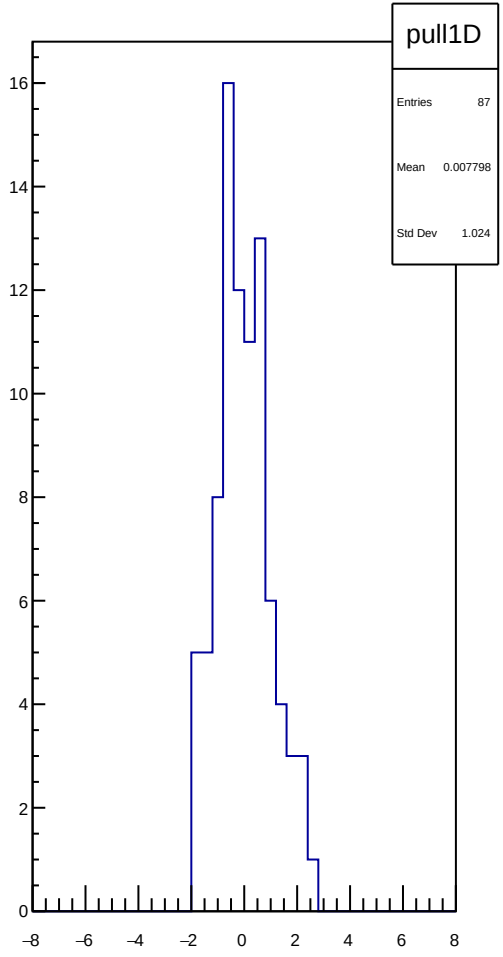

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 25.44 / 86
p0 120.7 ± 0.2044
126
124
122
120
118
116
pull
Entries 87
Mean −1971
Std Dev 2016
1
0.5
0
−0.5
−1

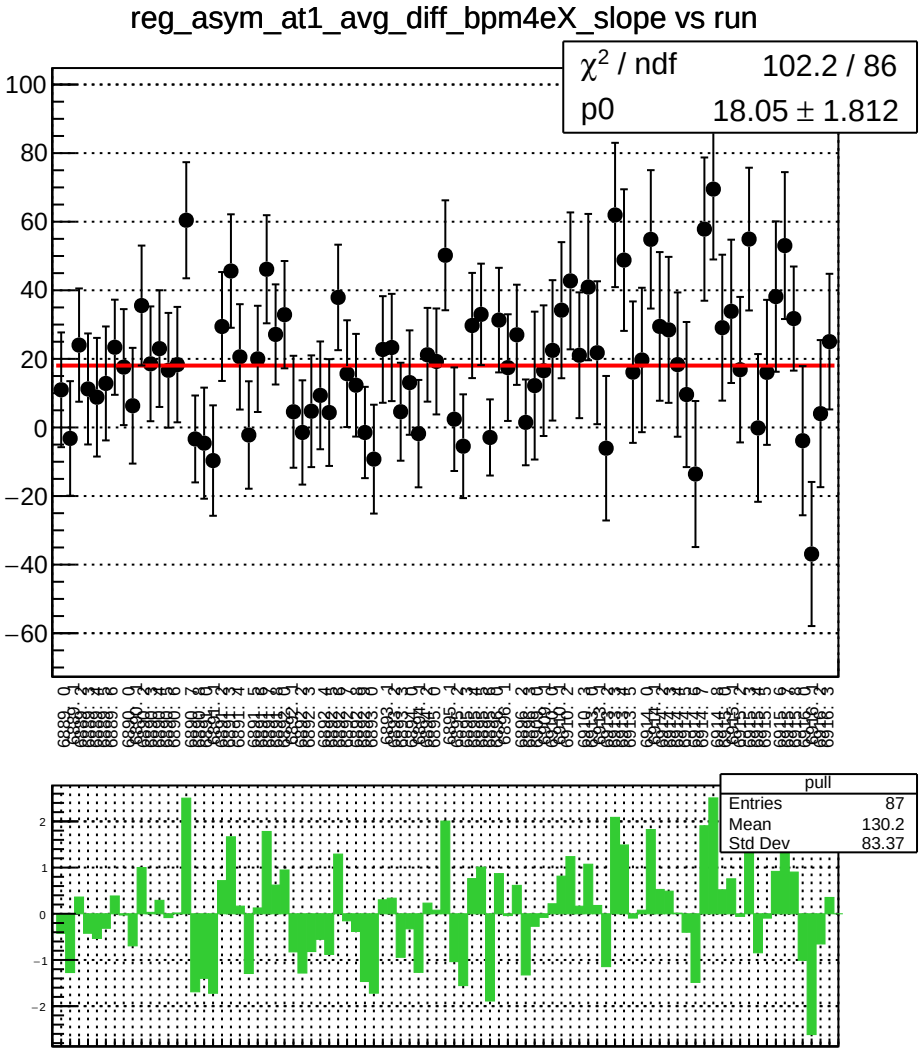

pull1D
Entries 87
Mean −0.004485
Std Dev 0.5407
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

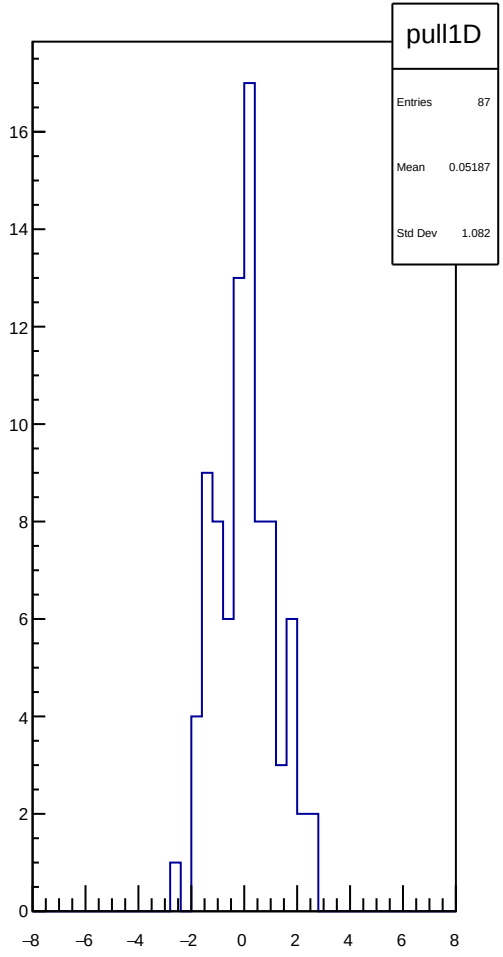

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 103 / 86
p0 −29.15 ± 1.89
pull
Entries 87
Mean 123.8
Std Dev 77.53

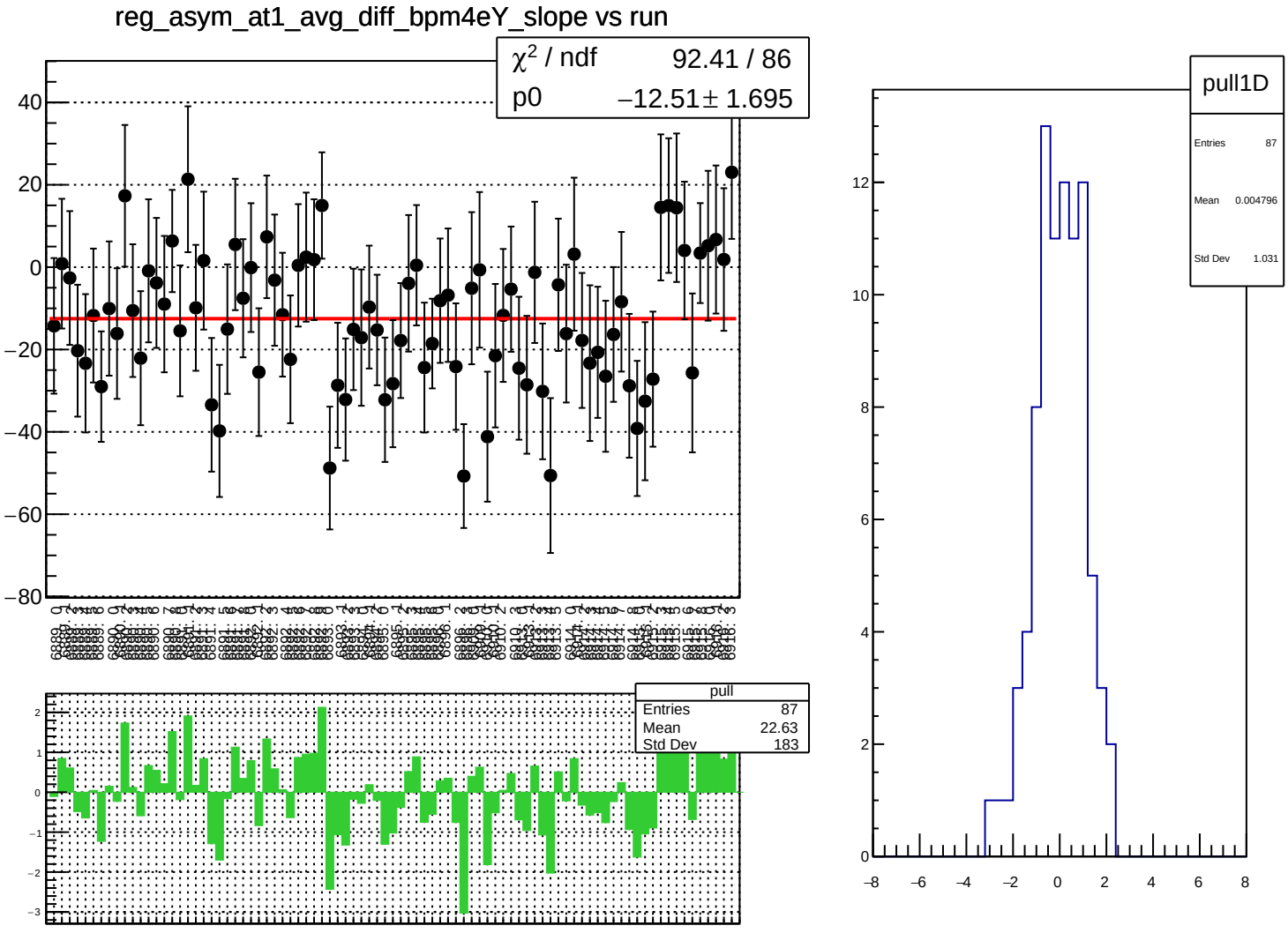

pull1D
Entries 87
Mean −0.05446
Std Dev 1.086

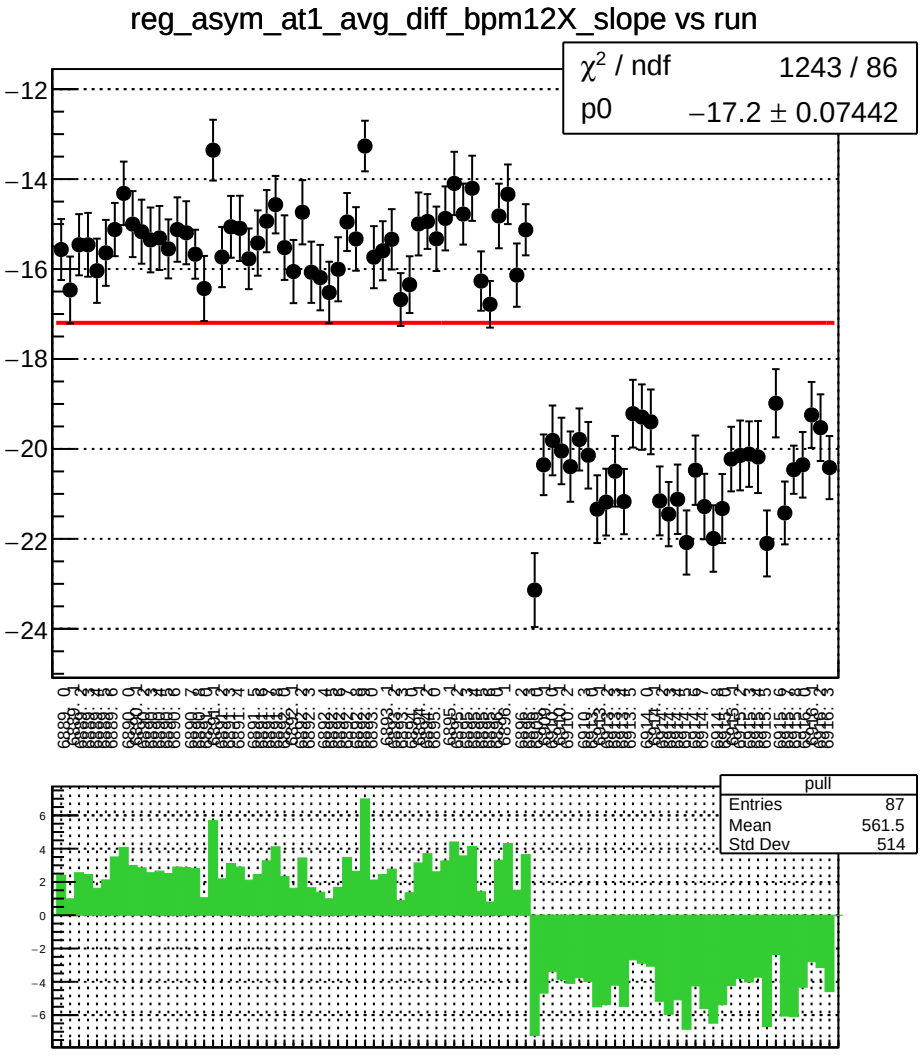

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 91.25 / 86
p0 6.79 ± 1.435
pull
Entries 87
Mean 305.4
Std Dev 289.5

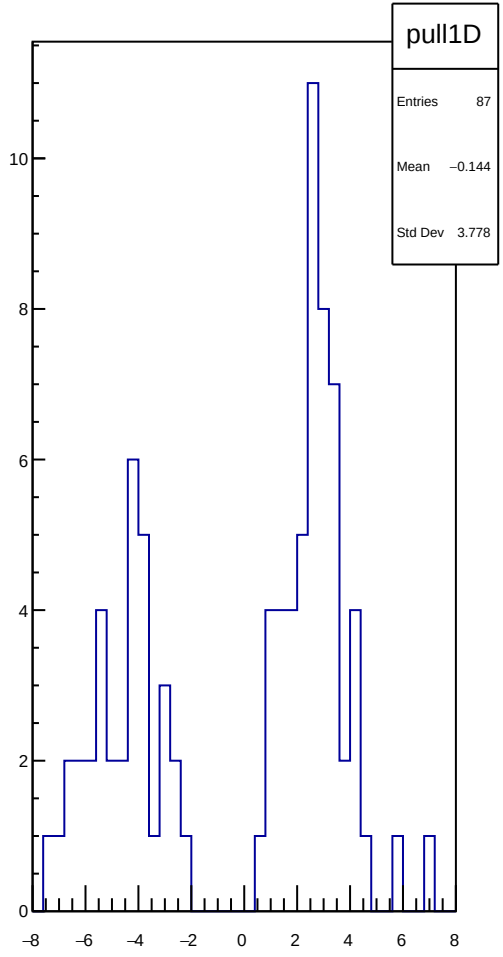

pull1D
Entries 87
Mean 0.007798
Std Dev 1.024

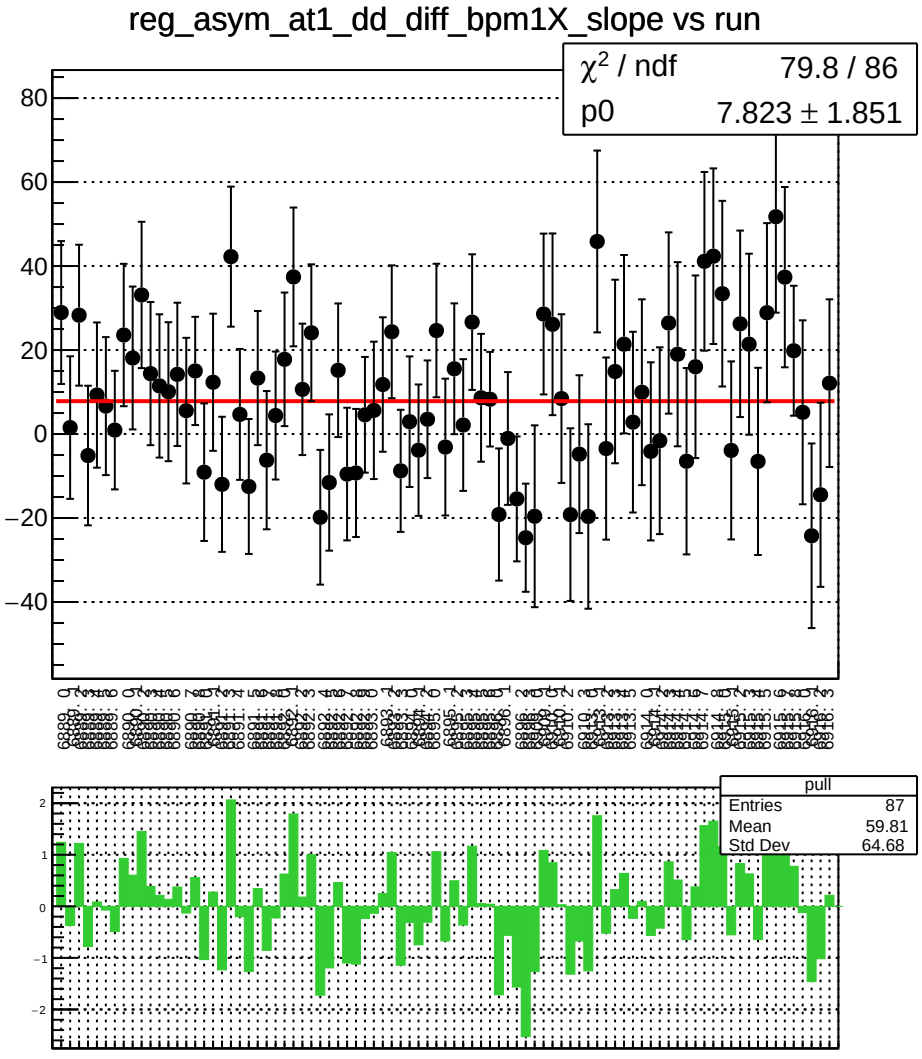

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 102.2 / 86
p0 18.05 ± 1.812
pull
Entries 87
Mean 130.2
Std Dev 83.37

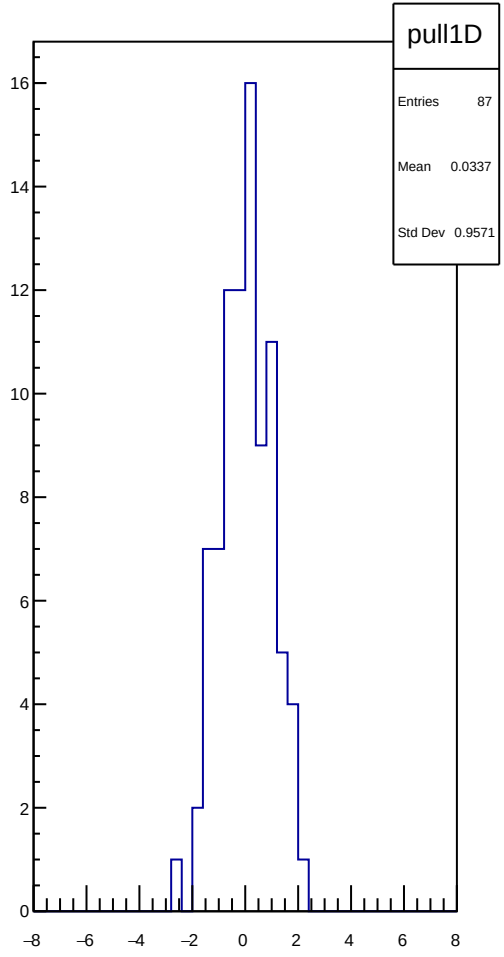

pull1D
Entries 87
Mean 0.05187
Std Dev 1.082

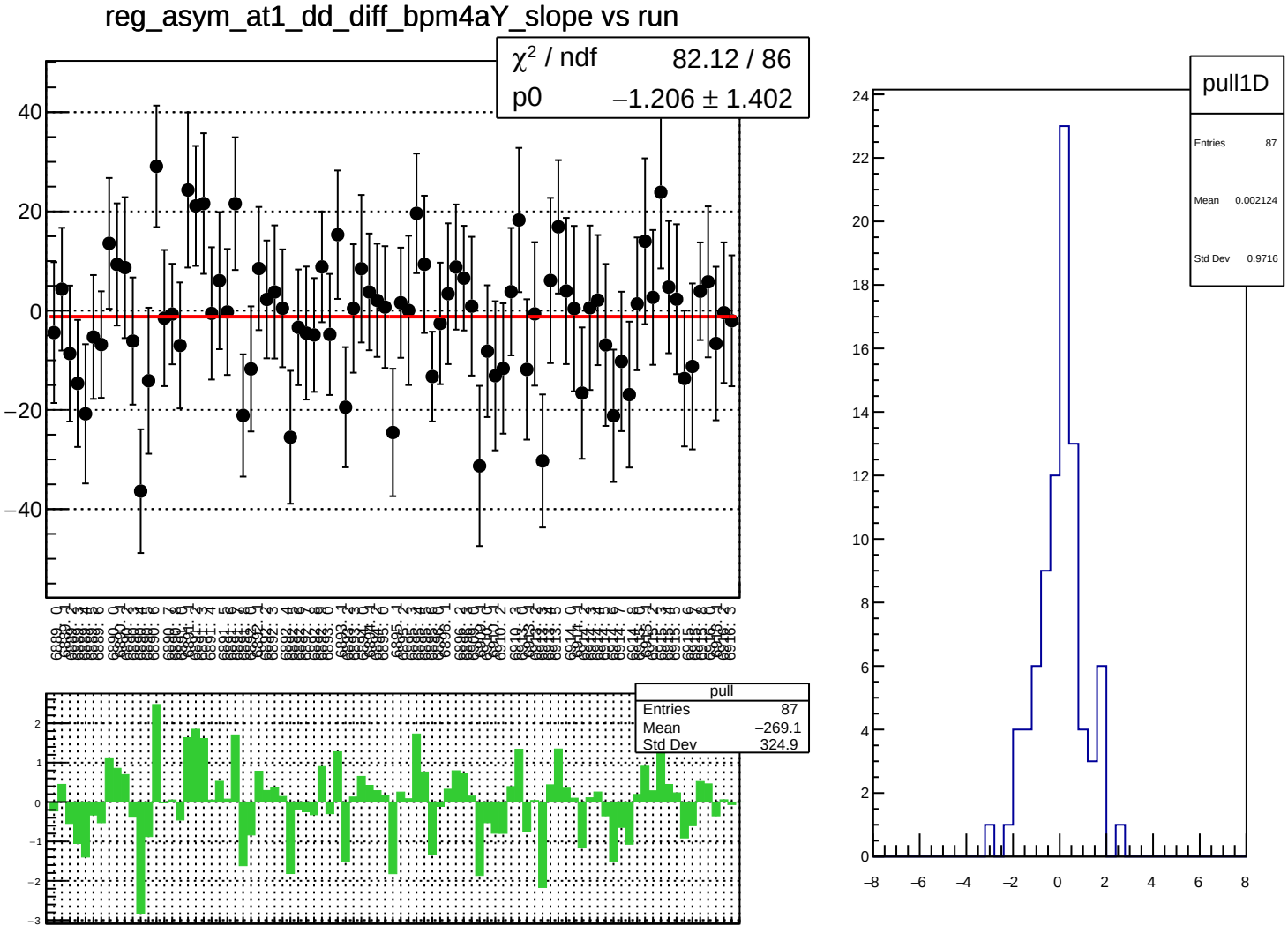

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 92.41 / 86
p0 −12.51 ± 1.695
pull
Entries 87
Mean 22.63
Std Dev 183
pull1D
Entries 87
Mean 0.004796
Std Dev 1.031

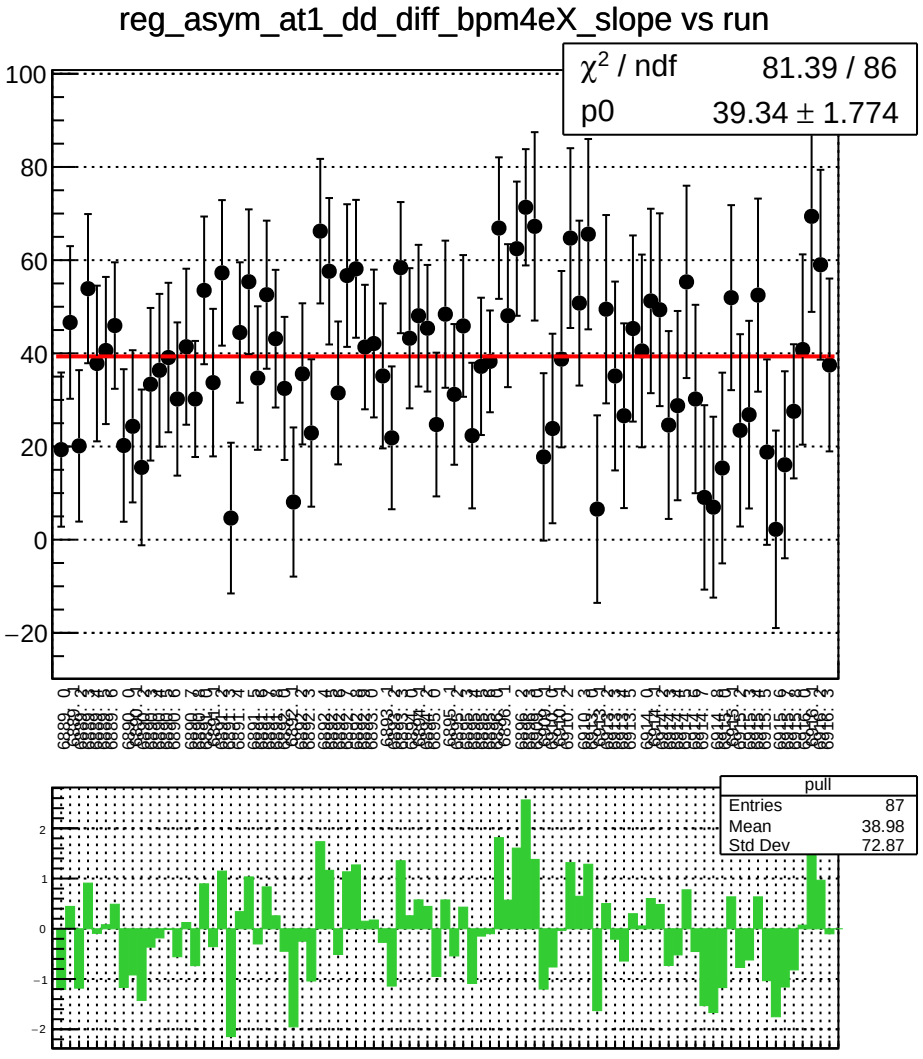

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1243 / 86
p0 −17.2 ± 0.07442
pull
Entries 87
Mean 561.5
Std Dev 514

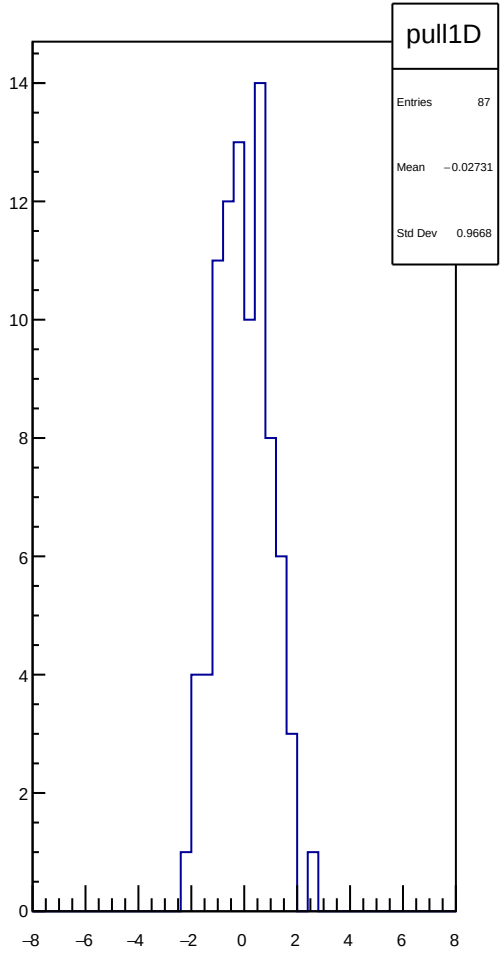

pull1D
Entries 87
Mean −0.144
Std Dev 3.778

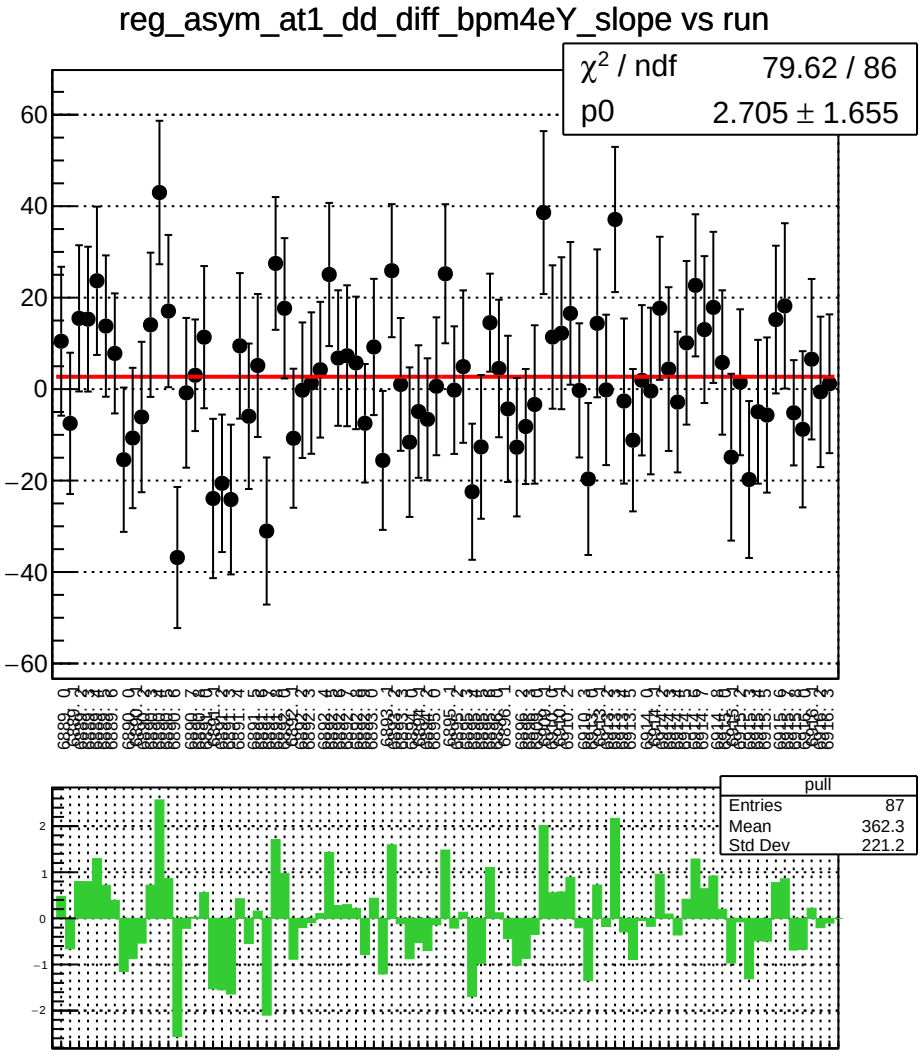

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 79.8 / 86
p0 7.823 ± 1.851
pull
Entries 87
Mean 59.81
Std Dev 64.68

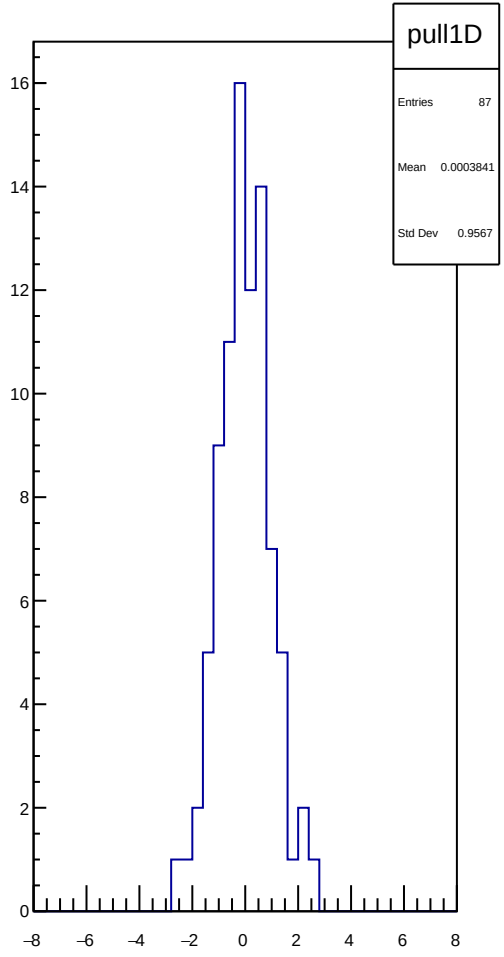

pull1D
Entries 87
Mean 0.0337
Std Dev 0.9571

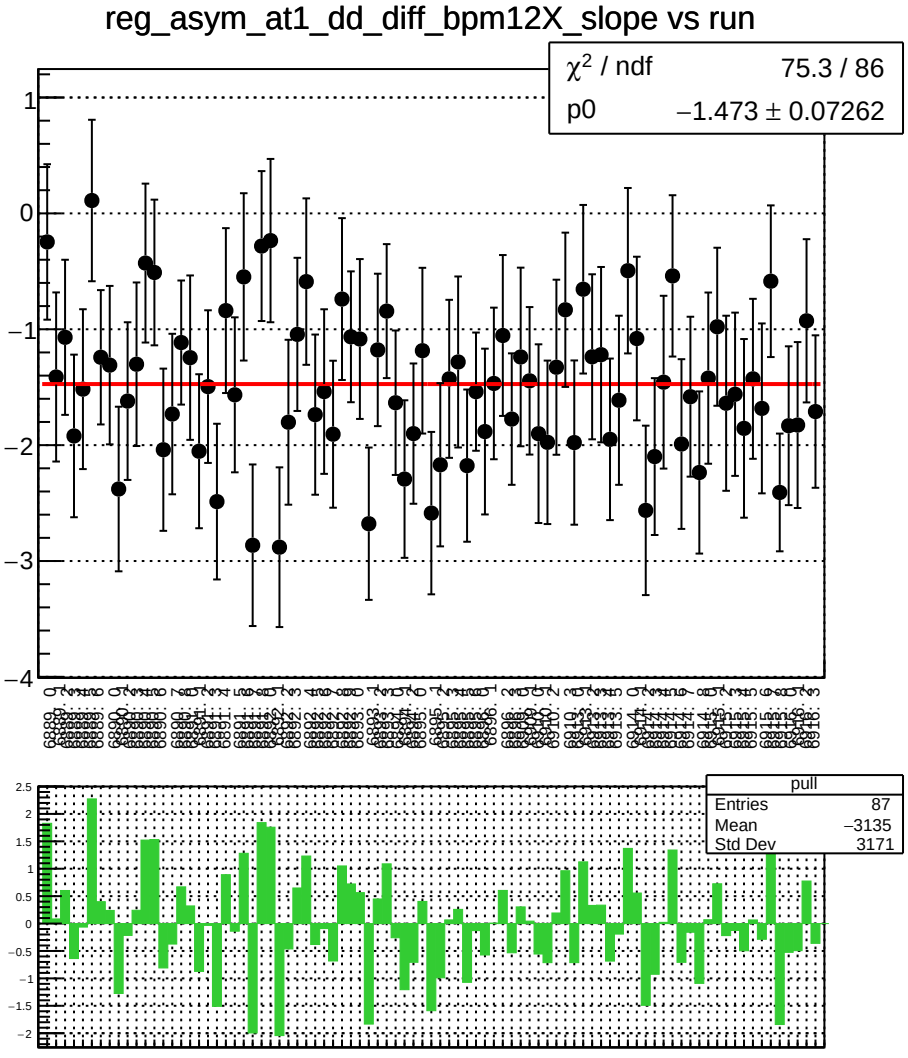

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.12 / 86
p0 −1.206 ± 1.402
pull
Entries 87
Mean −269.1
Std Dev 324.9
pull1D
Entries 87
Mean 0.002124
Std Dev 0.9716

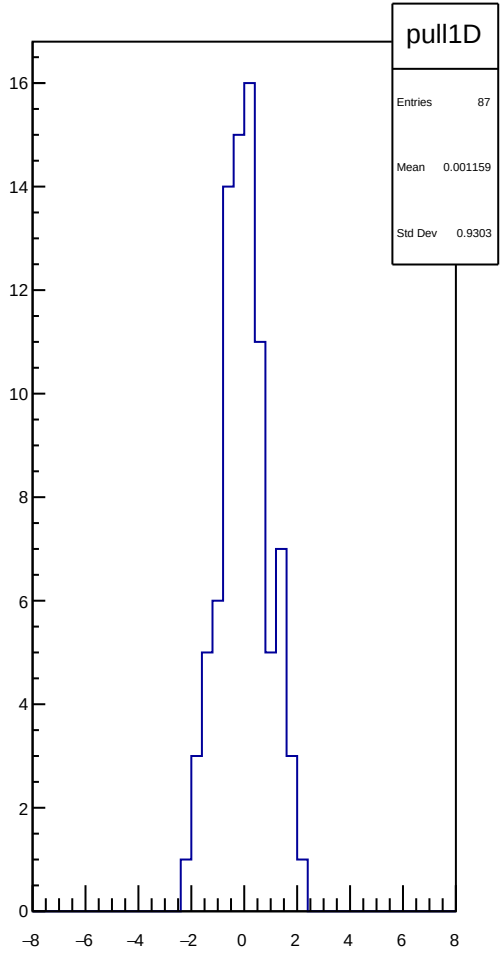

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 81.39 / 86
p0 39.34 ± 1.774
pull
Entries 87
Mean 38.98
Std Dev 72.87

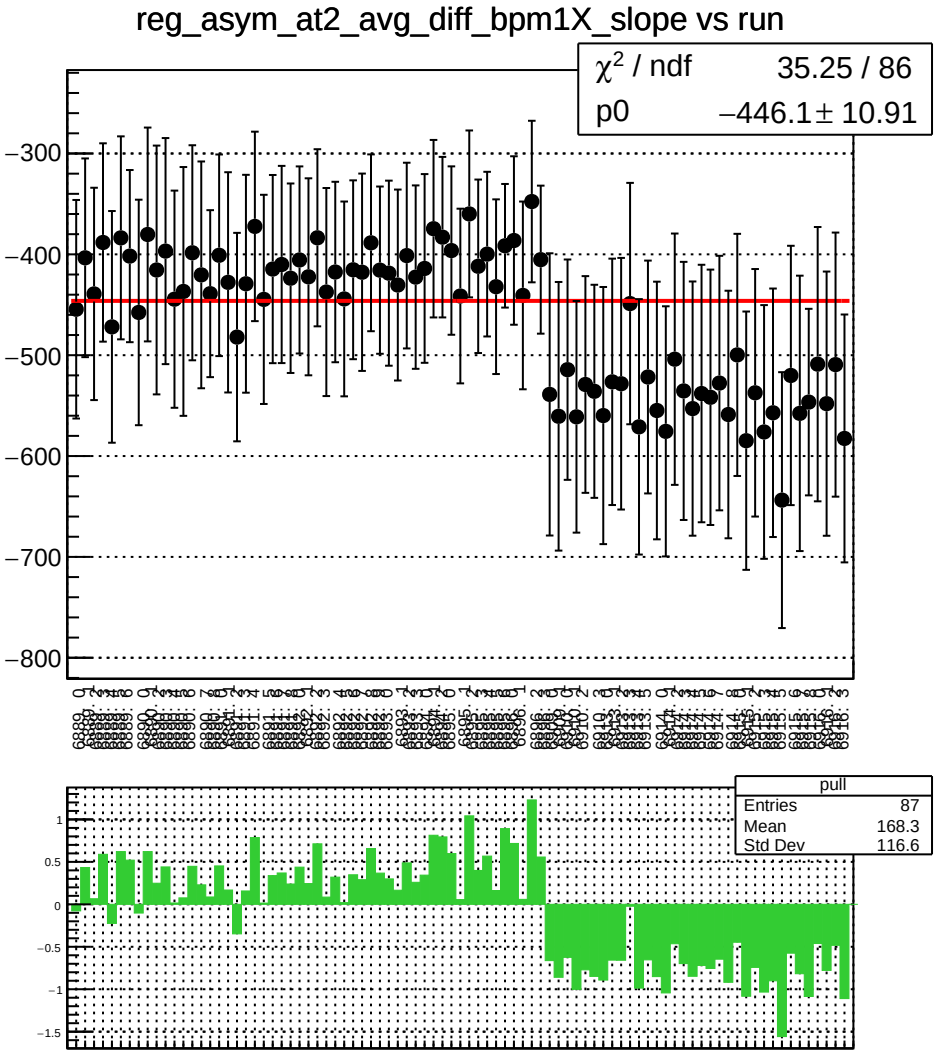

pull1D
Entries 87
Mean −0.02731
Std Dev 0.9668

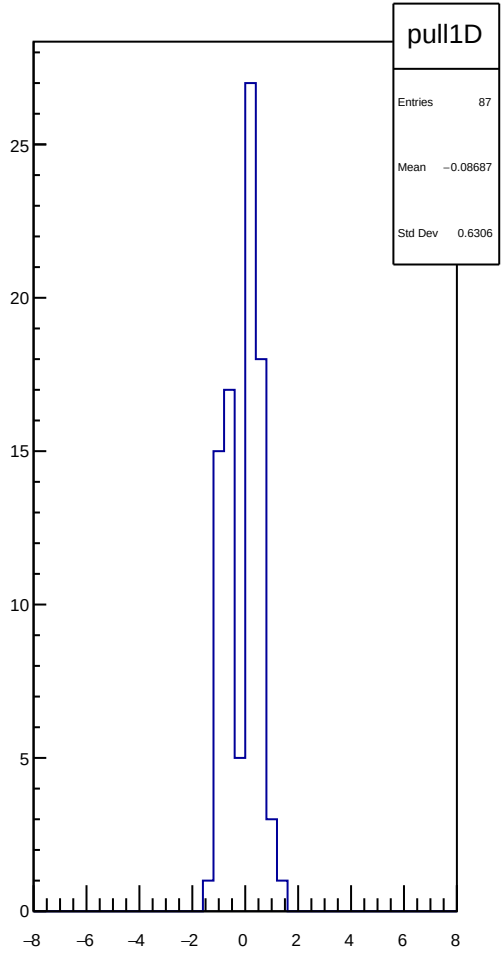

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 79.62 / 86
p0 2.705 ± 1.655
pull
Entries 87
Mean 362.3
Std Dev 221.2

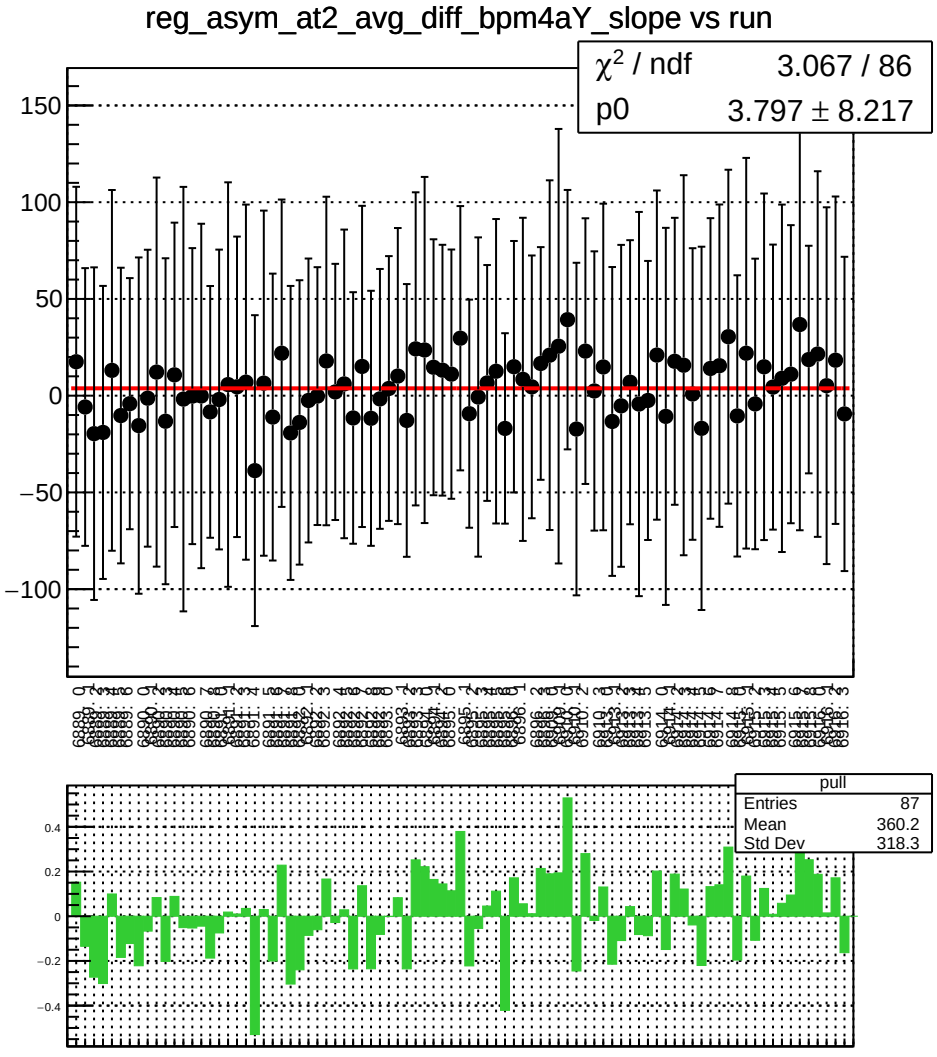

pull1D
Entries 87
Mean 0.0003841
Std Dev 0.9567

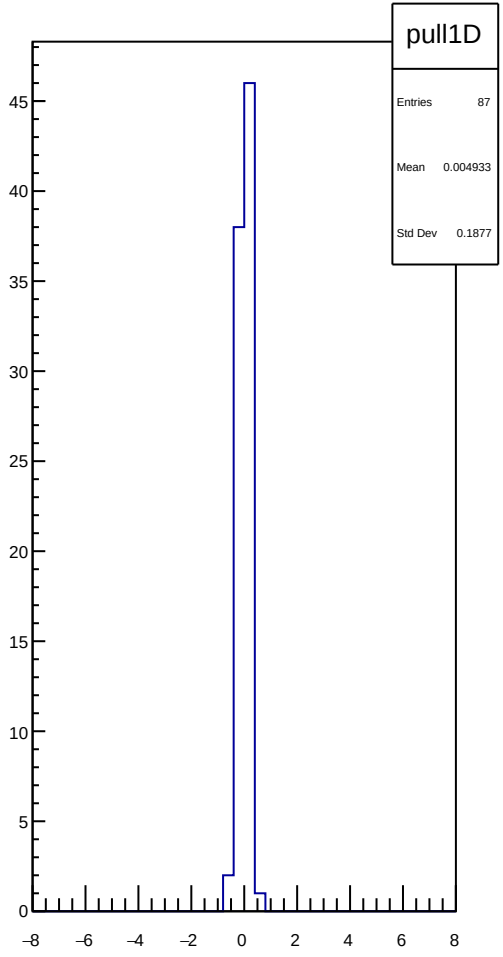

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 75.3 / 86
p0 −1.473 ± 0.07262
pull
Entries 87
Mean −3135
Std Dev 3171

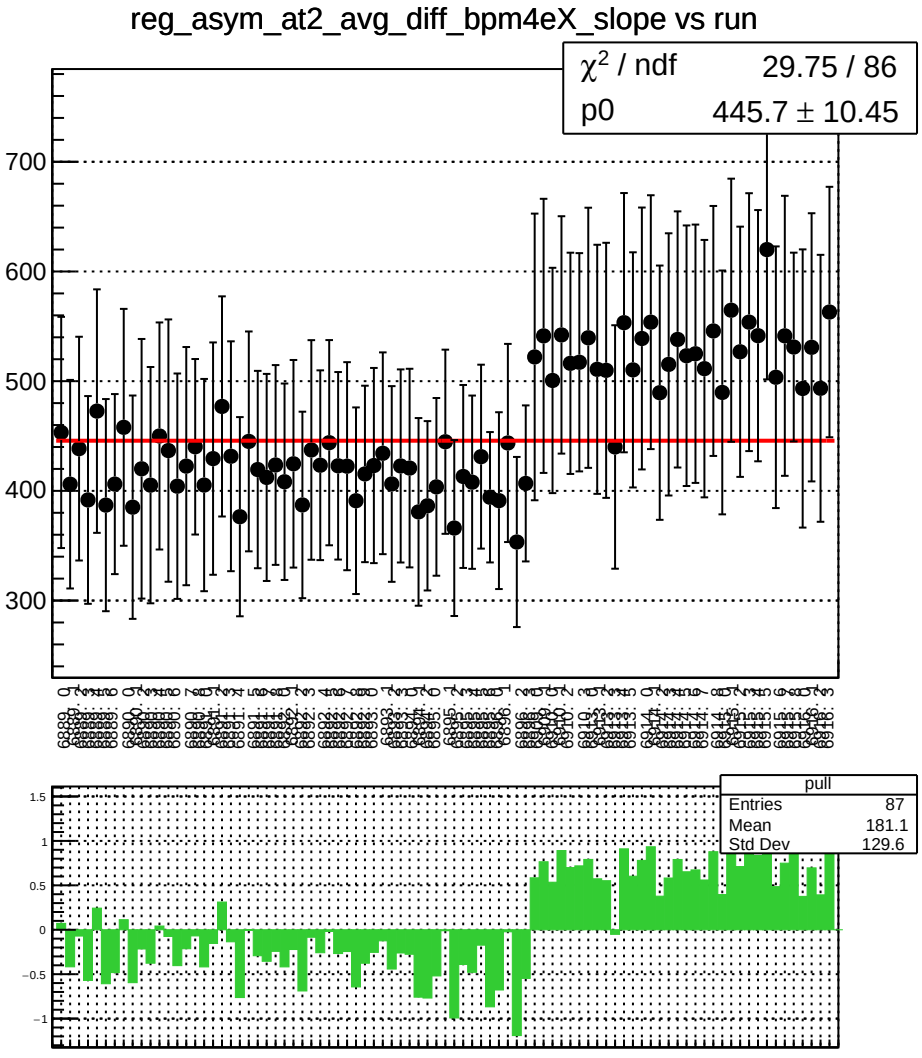

pull1D
Entries 87
Mean 0.001159
Std Dev 0.9303

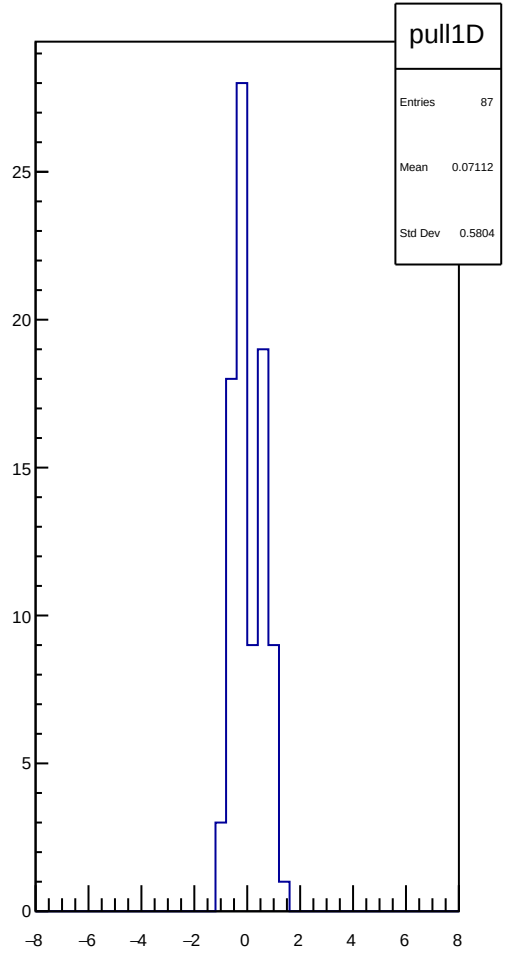

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 35.25 / 86
p0 −446.1 ± 10.91
−300
−400
−500
−600
−700
−800
pull
Entries 87
Mean 168.3
Std Dev 116.6
1
0.5
0
−0.5
−1
−1.5

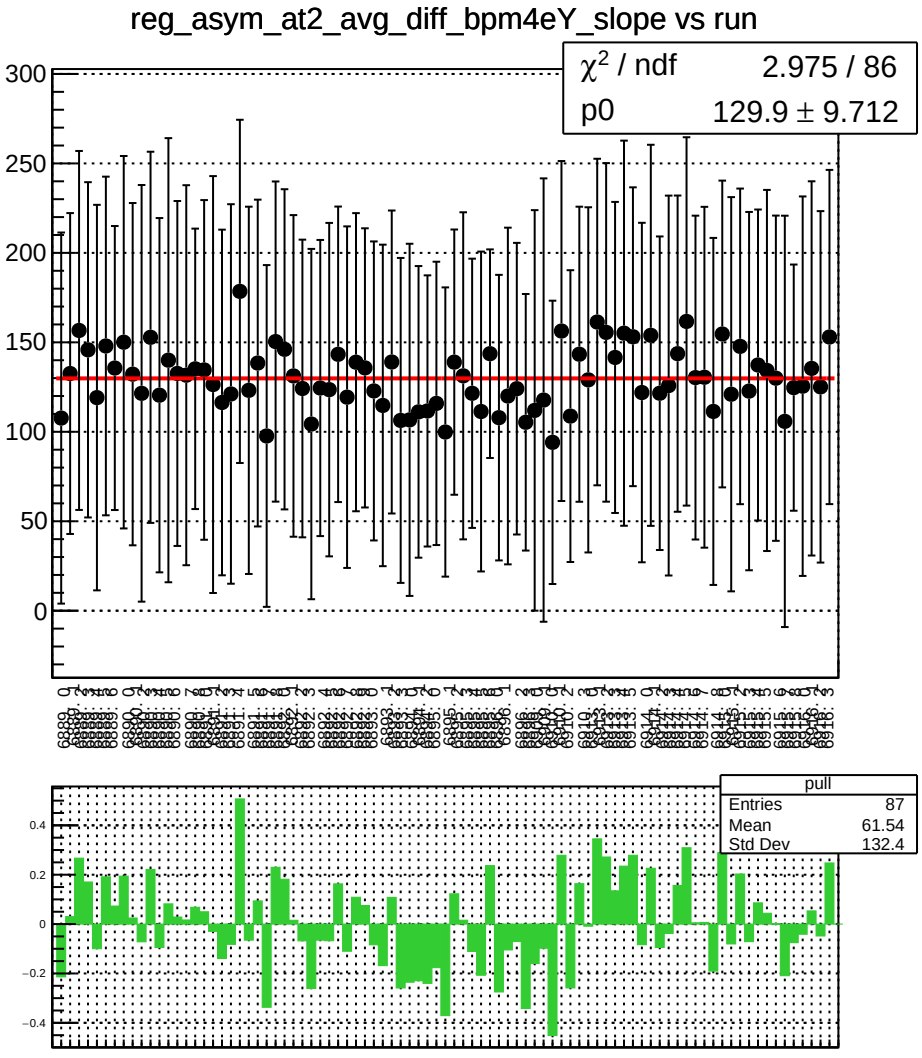

pull1D
Entries 87
Mean −0.08687
Std Dev 0.6306
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

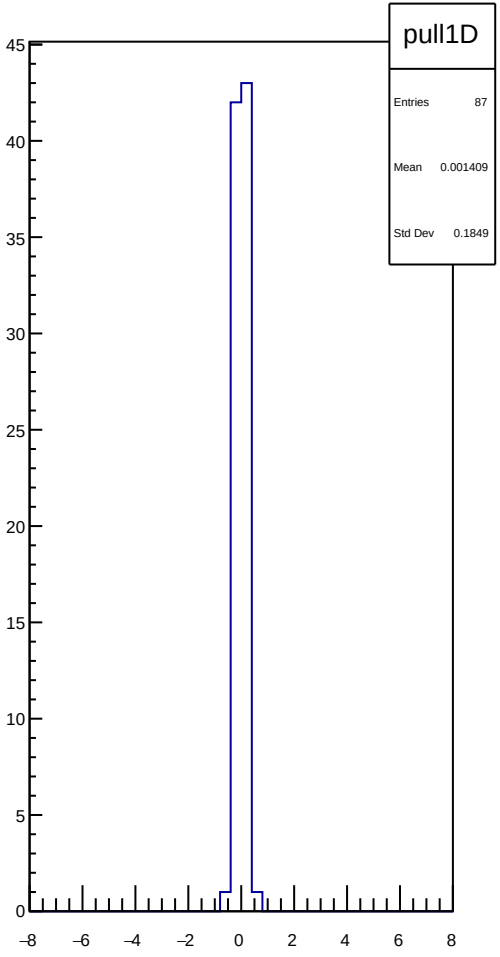

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.067 / 86
p0 3.797 ± 8.217
150
100
50
0
−50
−100
pull
Entries 87
Mean 360.2
Std Dev 318.3
0.4
0.2
0
−0.2
−0.4

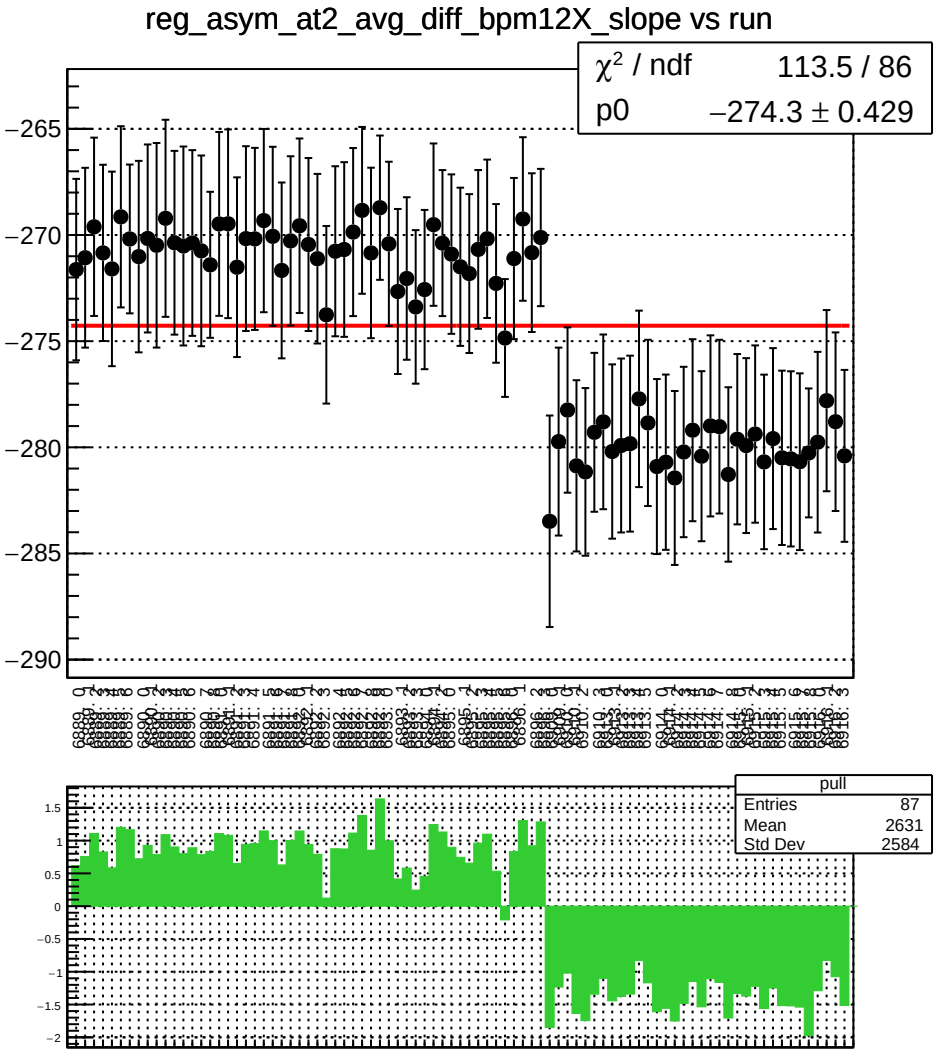

pull1D
Entries 87
Mean 0.004933
Std Dev 0.1877
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

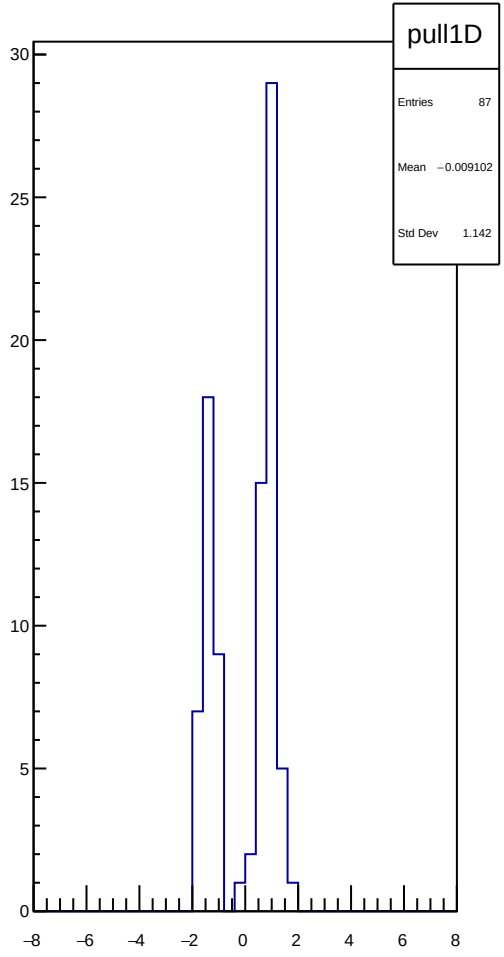

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 29.75 / 86
p0 445.7 ± 10.45
700
600
500
400
300
pull
Entries 87
Mean 181.1
Std Dev 129.6
1.5
1
0.5
0
−0.5
−1

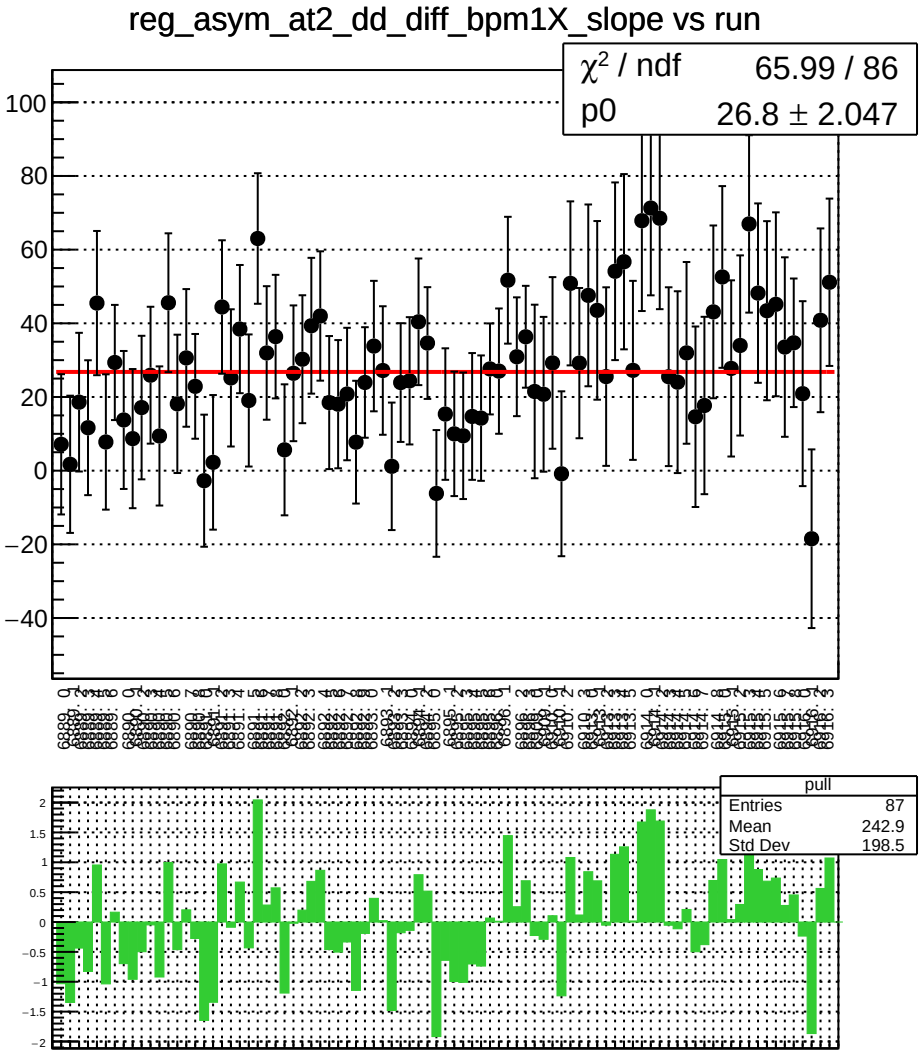

pull1D
Entries 87
Mean 0.07112
Std Dev 0.5804
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

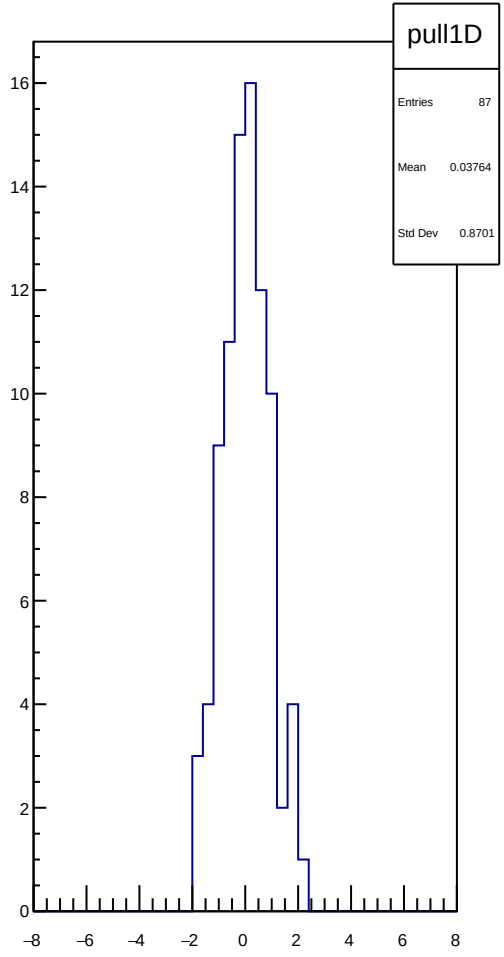

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.975 / 86
p0 129.9 ± 9.712
pull
Entries 87
Mean 61.54
Std Dev 132.4

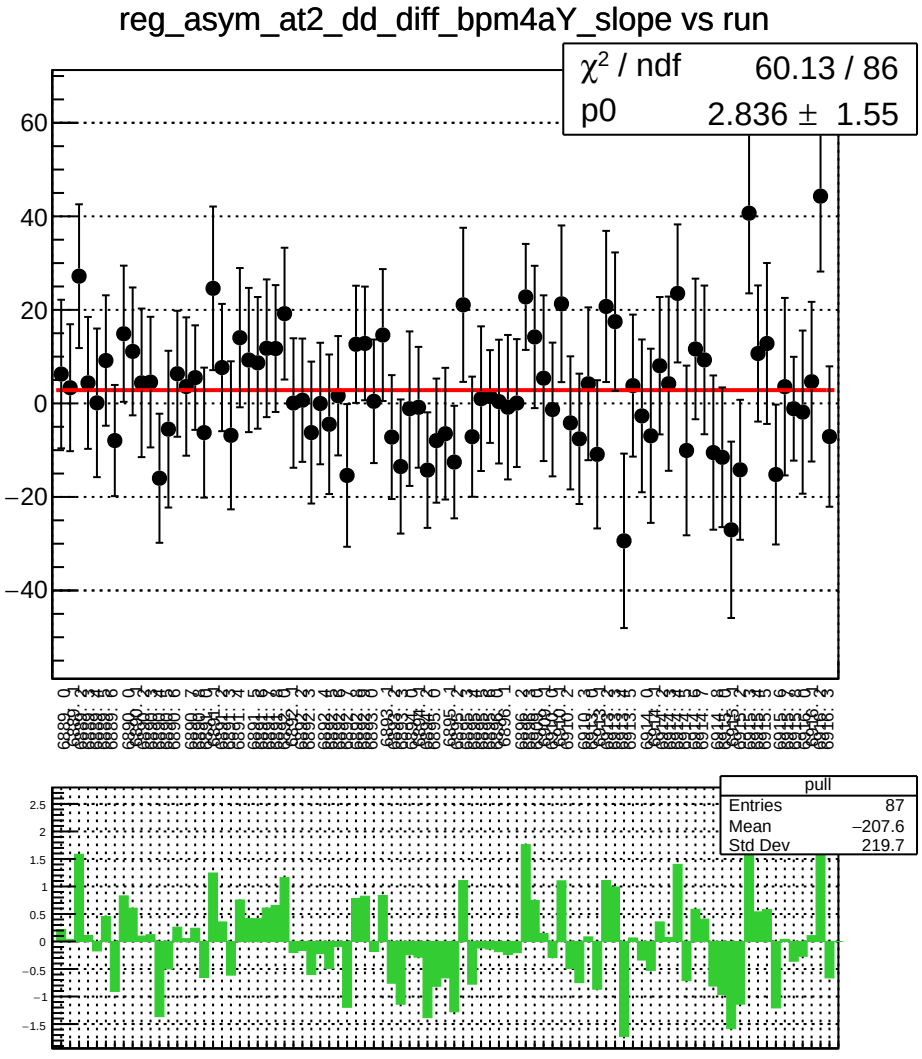

pull1D
Entries 87
Mean 0.001409
Std Dev 0.1849

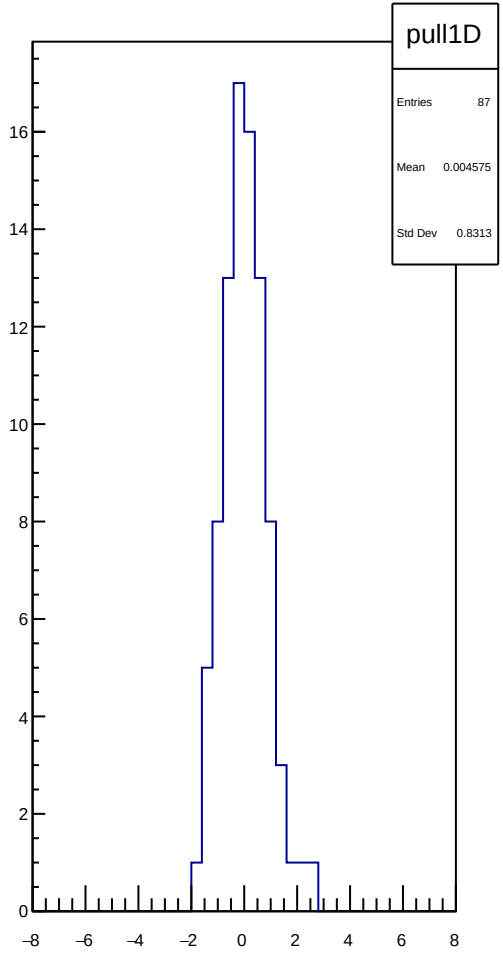

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 113.5 / 86
p0 −274.3 ± 0.429
−265
−270
−275
−280
−285
−290
pull
Entries 87
Mean 2631
Std Dev 2584
1.5
1
0.5
0
−0.5
−1
−1.5
−2

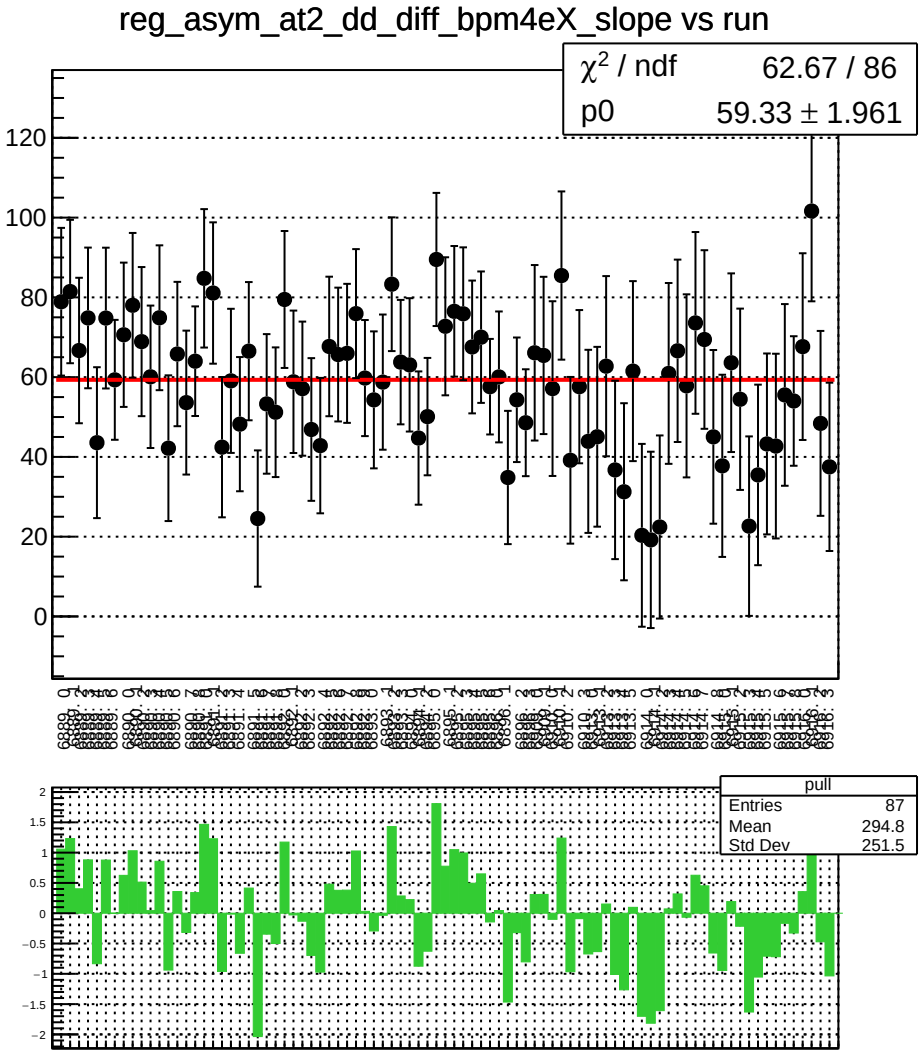

pull1D
Entries 87
Mean −0.009102
Std Dev 1.142
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

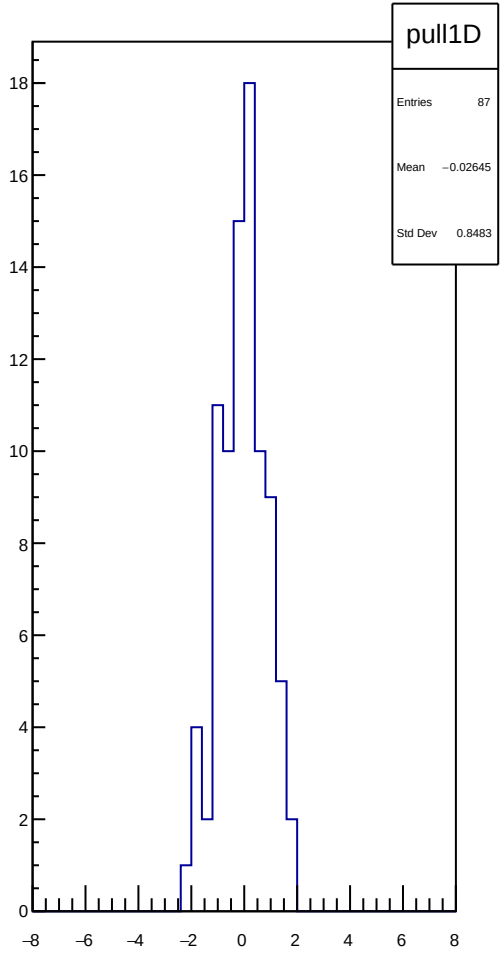

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 65.99 / 86
p0 26.8 ± 2.047
pull
Entries 87
Mean 242.9
Std Dev 198.5

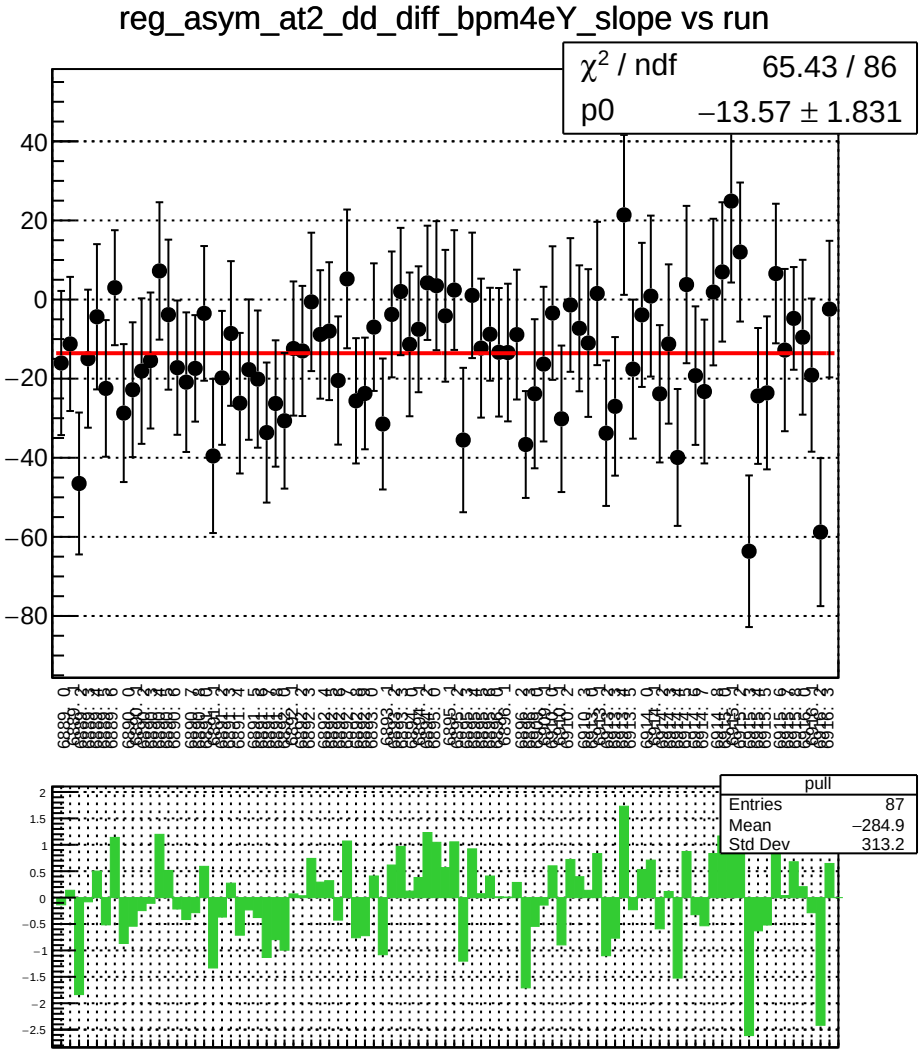

pull1D
Entries 87
Mean 0.03764
Std Dev 0.8701

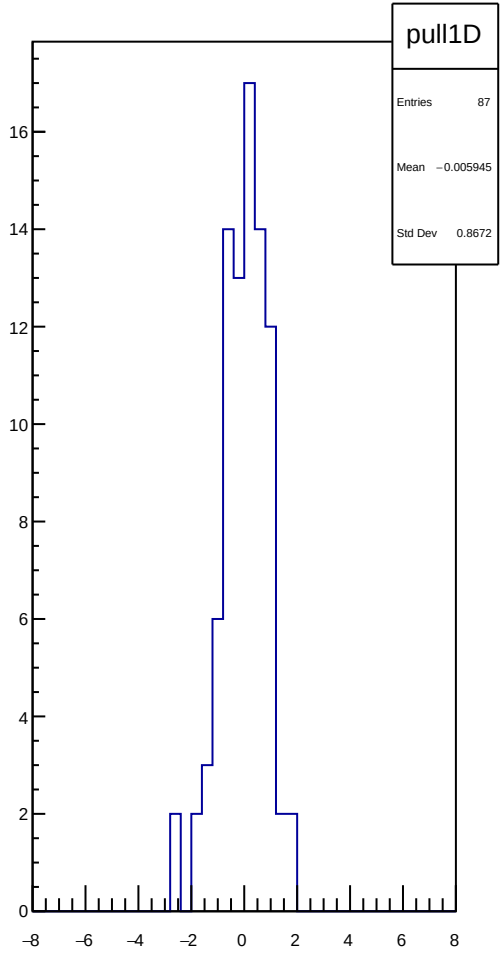

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 60.13 / 86
p0 2.836 ± 1.55
pull
Entries 87
Mean −207.6
Std Dev 219.7

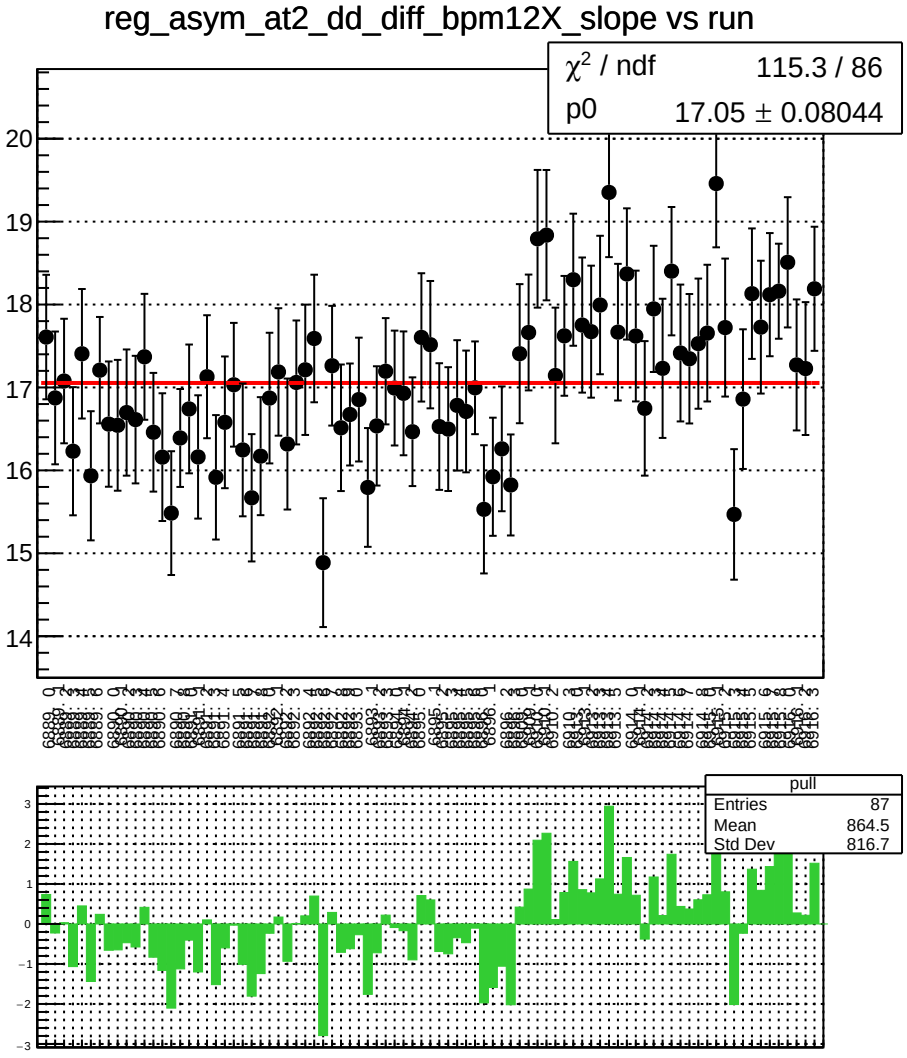

pull1D
Entries 87
Mean 0.004575
Std Dev 0.8313

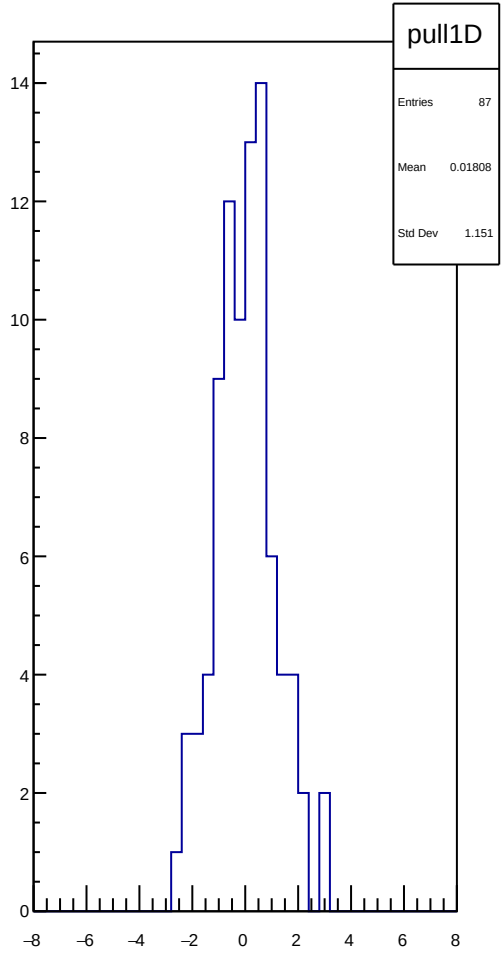

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 62.67 / 86
p0 59.33 ± 1.961
pull
Entries 87
Mean 294.8
Std Dev 251.5

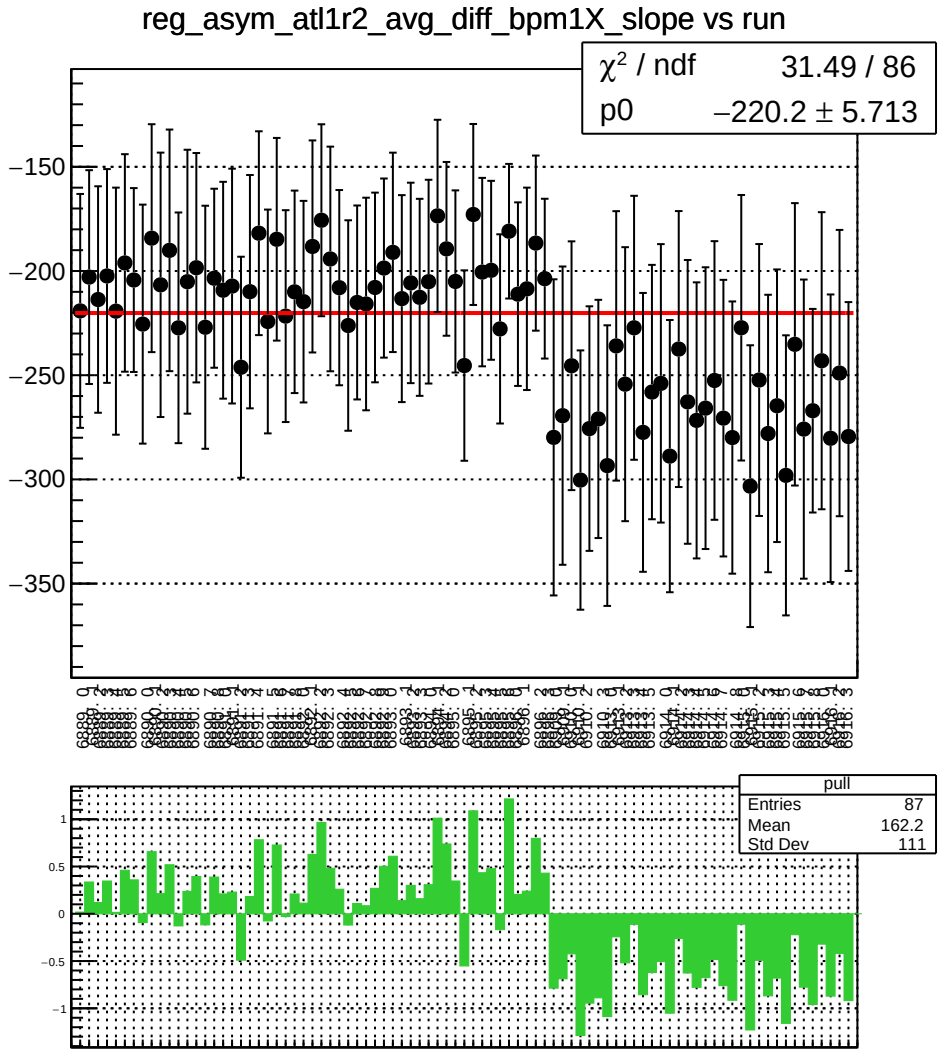

pull1D
Entries 87
Mean −0.02645
Std Dev 0.8483

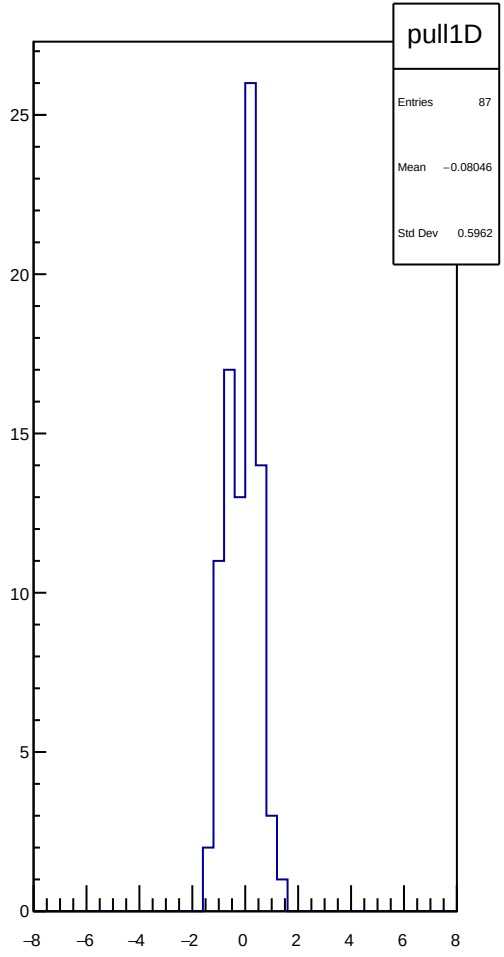

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 65.43 / 86
p0 −13.57 ± 1.831
pull
Entries 87
Mean −284.9
Std Dev 313.2

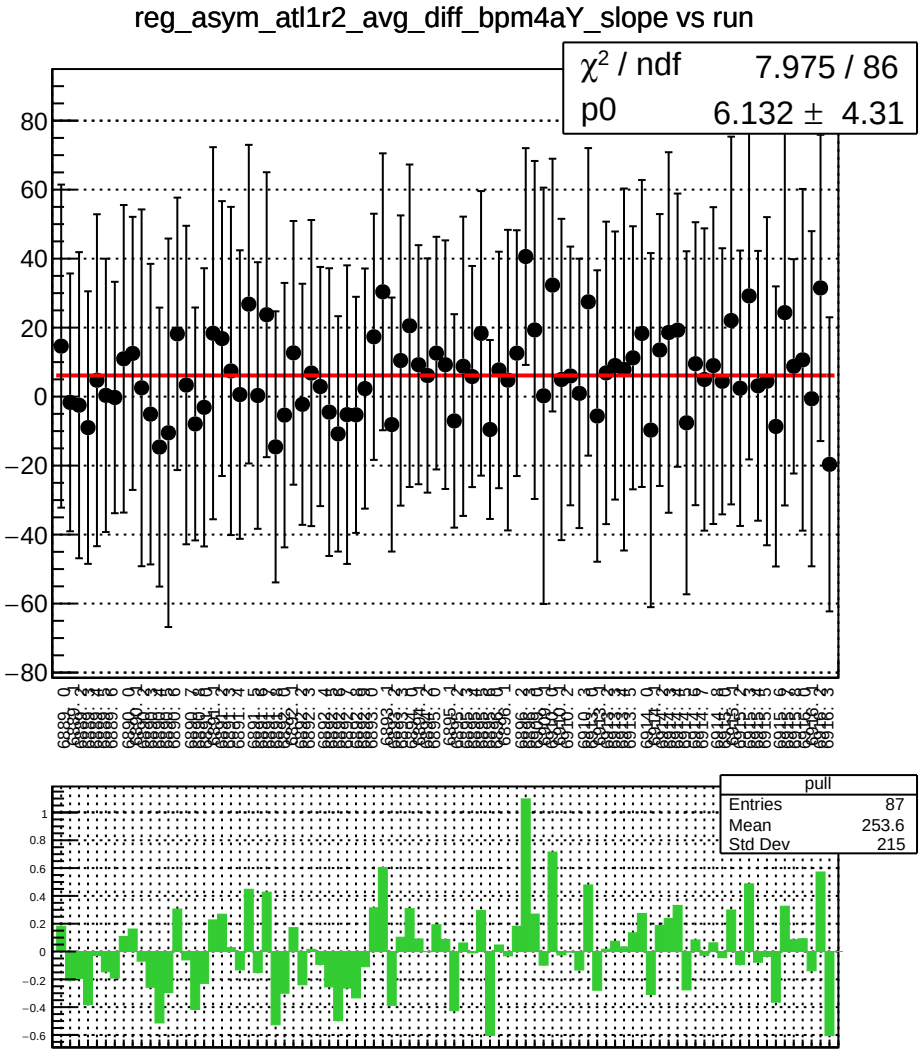

pull1D
Entries 87
Mean −0.005945
Std Dev 0.8672

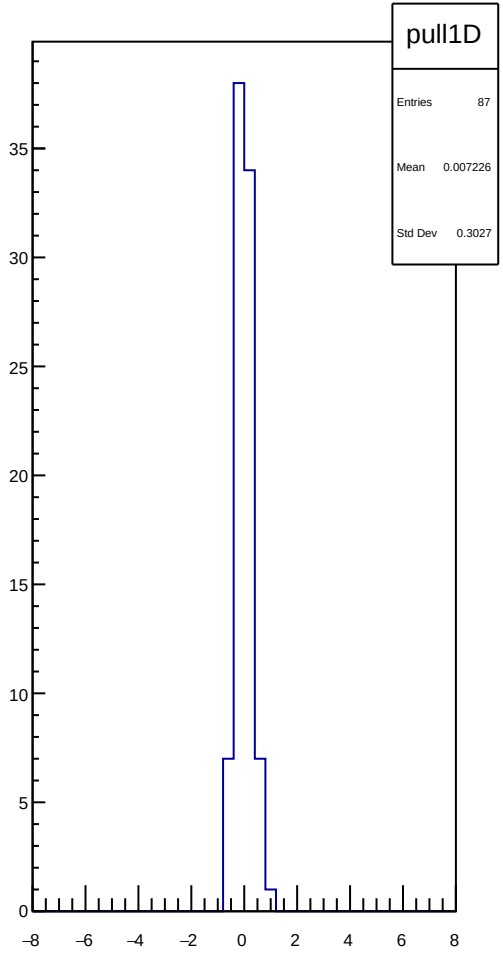

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 115.3 / 86
p0 17.05 ± 0.08044
pull
Entries 87
Mean 864.5
Std Dev 816.7

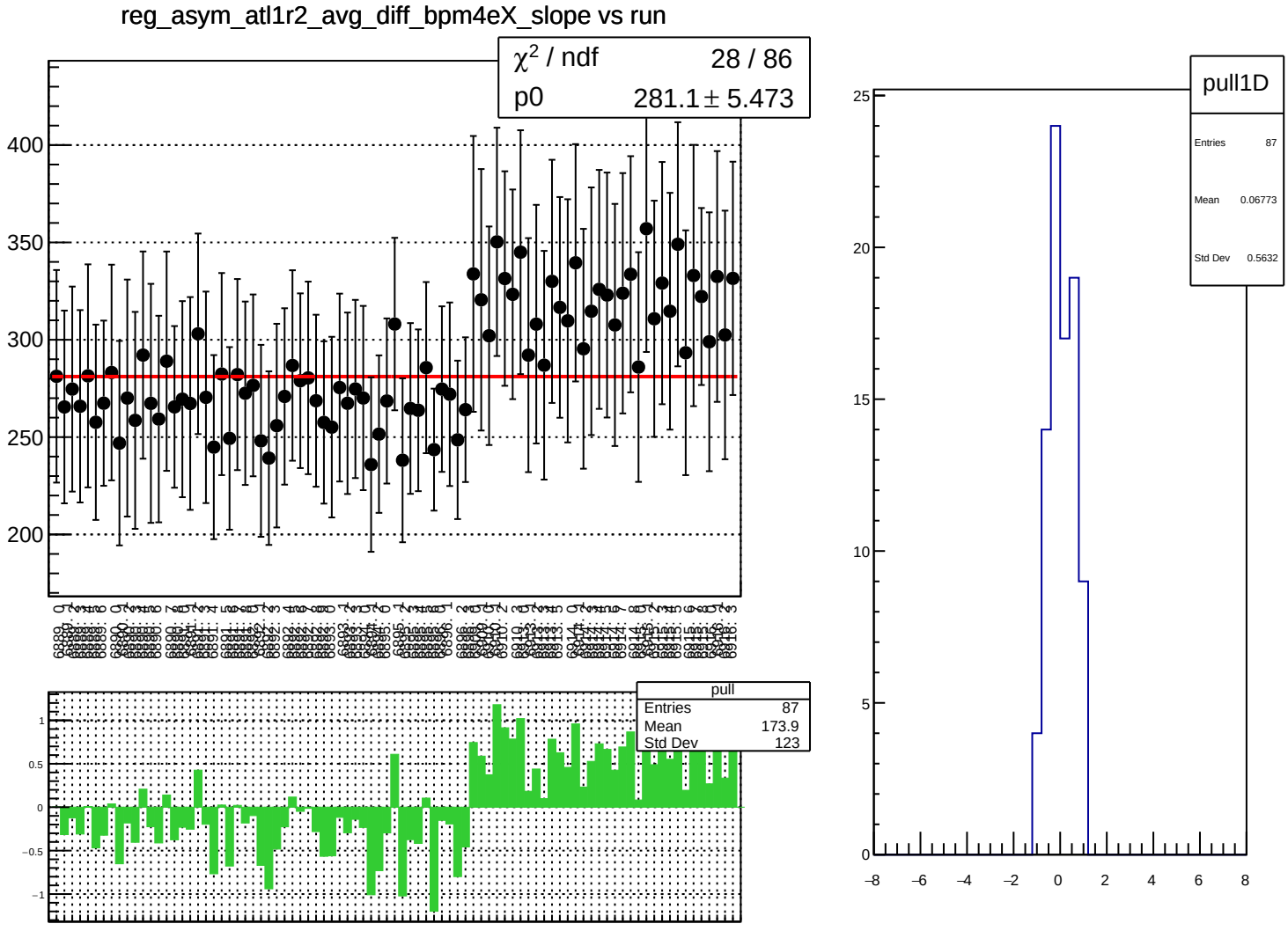

pull1D
Entries 87
Mean 0.01808
Std Dev 1.151

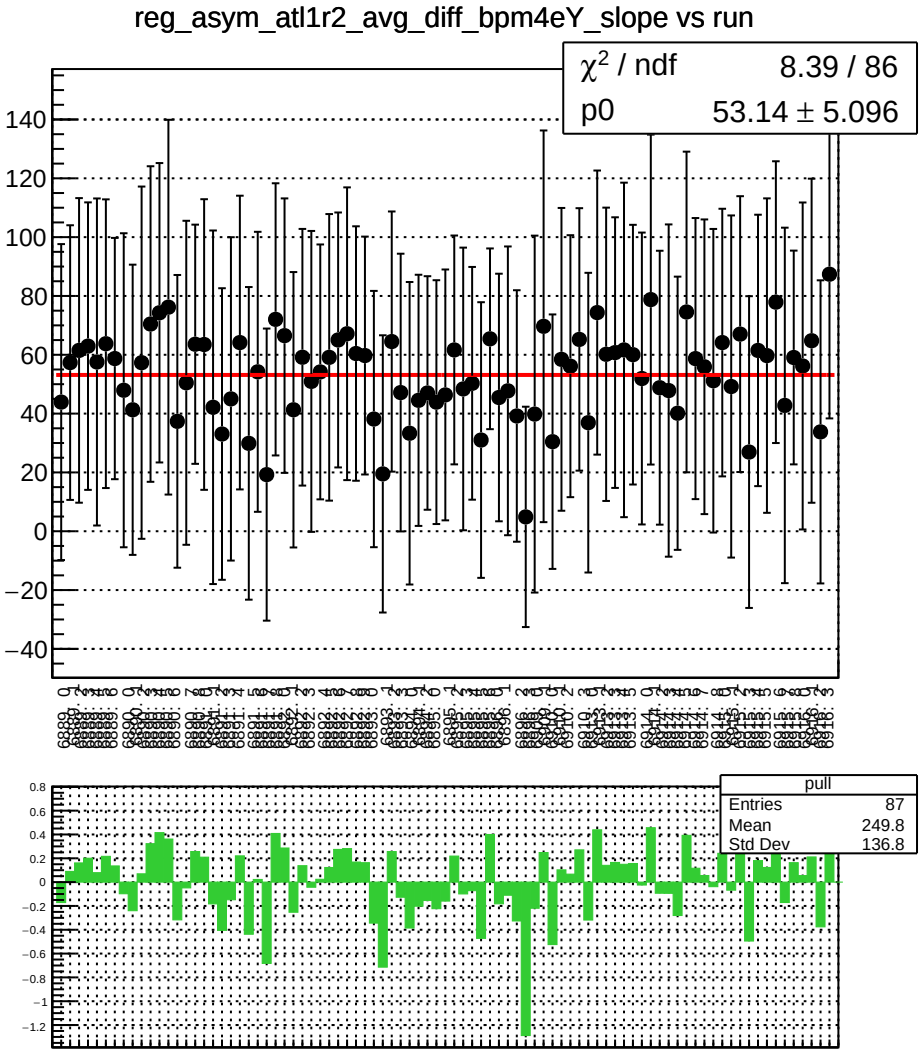

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 31.49 / 86
p0 −220.2 ± 5.713
−150
−200
−250
−300
−350
pull
Entries 87
Mean 162.2
Std Dev 111
1
0.5
0
−0.5
−1

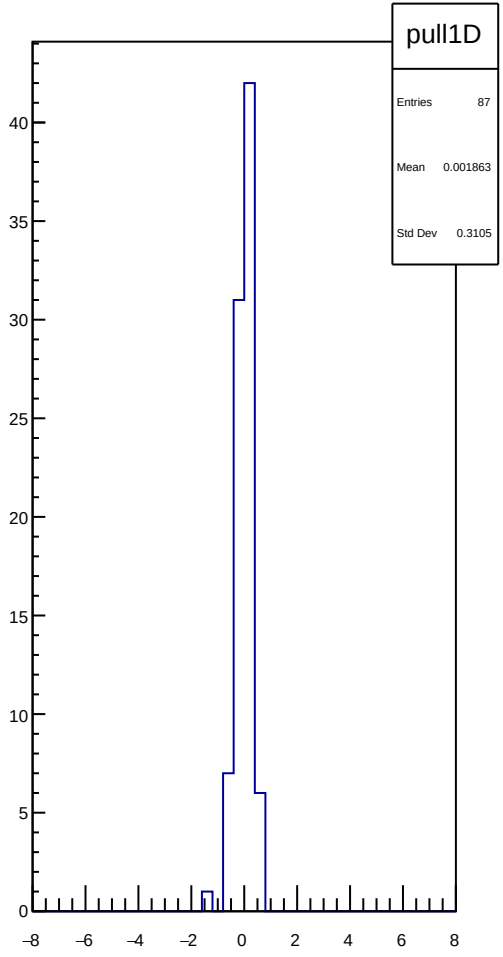

pull1D
Entries 87
Mean −0.08046
Std Dev 0.5962
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

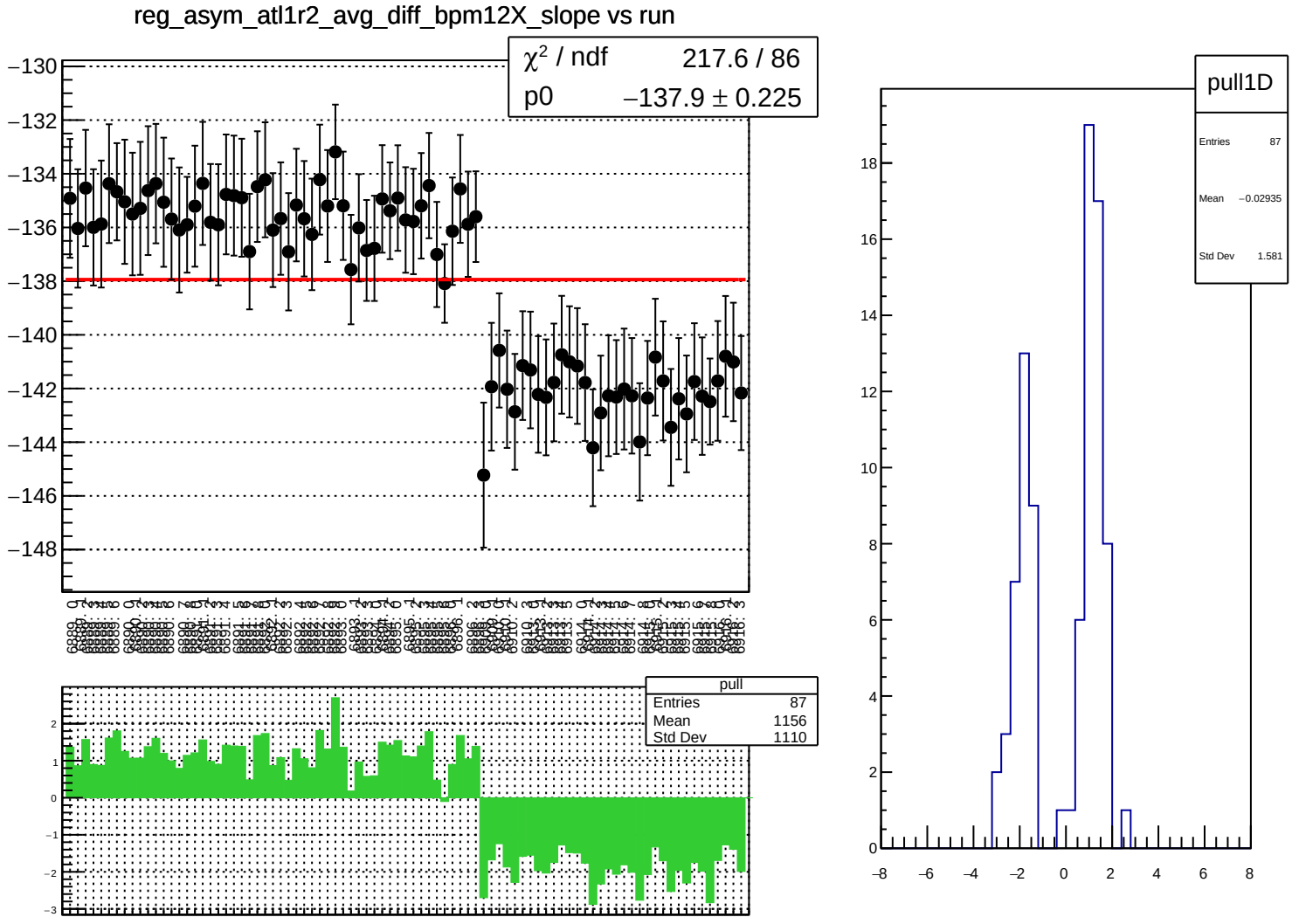

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.975 / 86
p0 6.132 ± 4.31
pull
Entries 87
Mean 253.6
Std Dev 215

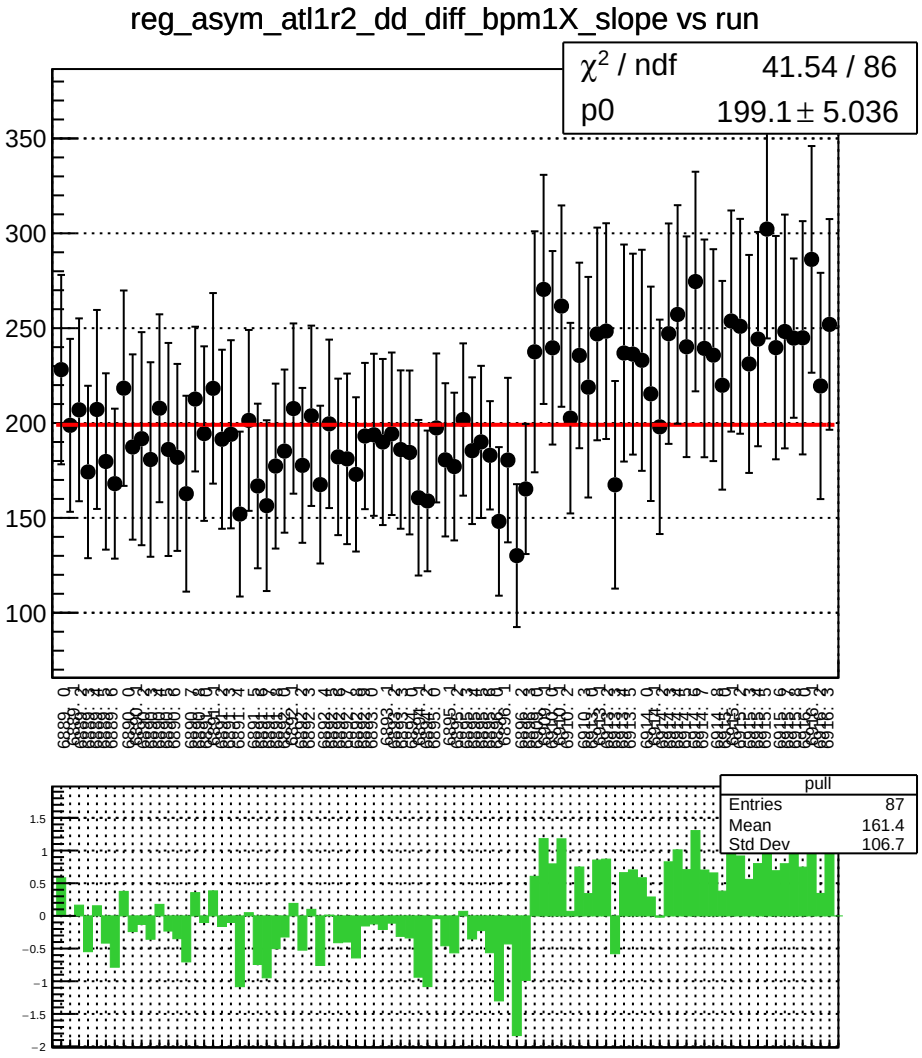

pull1D
Entries 87
Mean 0.007226
Std Dev 0.3027

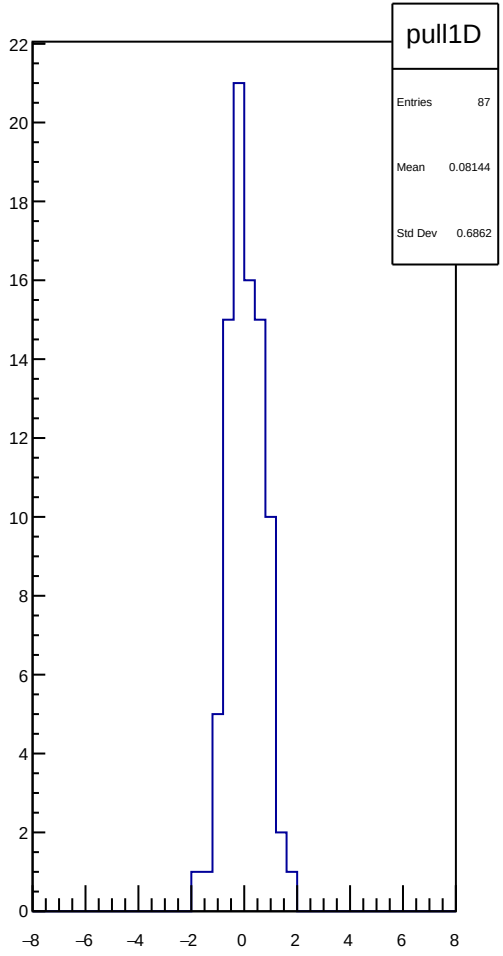

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 28 / 86
p0 281.1 ± 5.473
400
350
300
250
200
pull
Entries 87
Mean 173.9
Std Dev 123
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.06773
Std Dev 0.5632
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

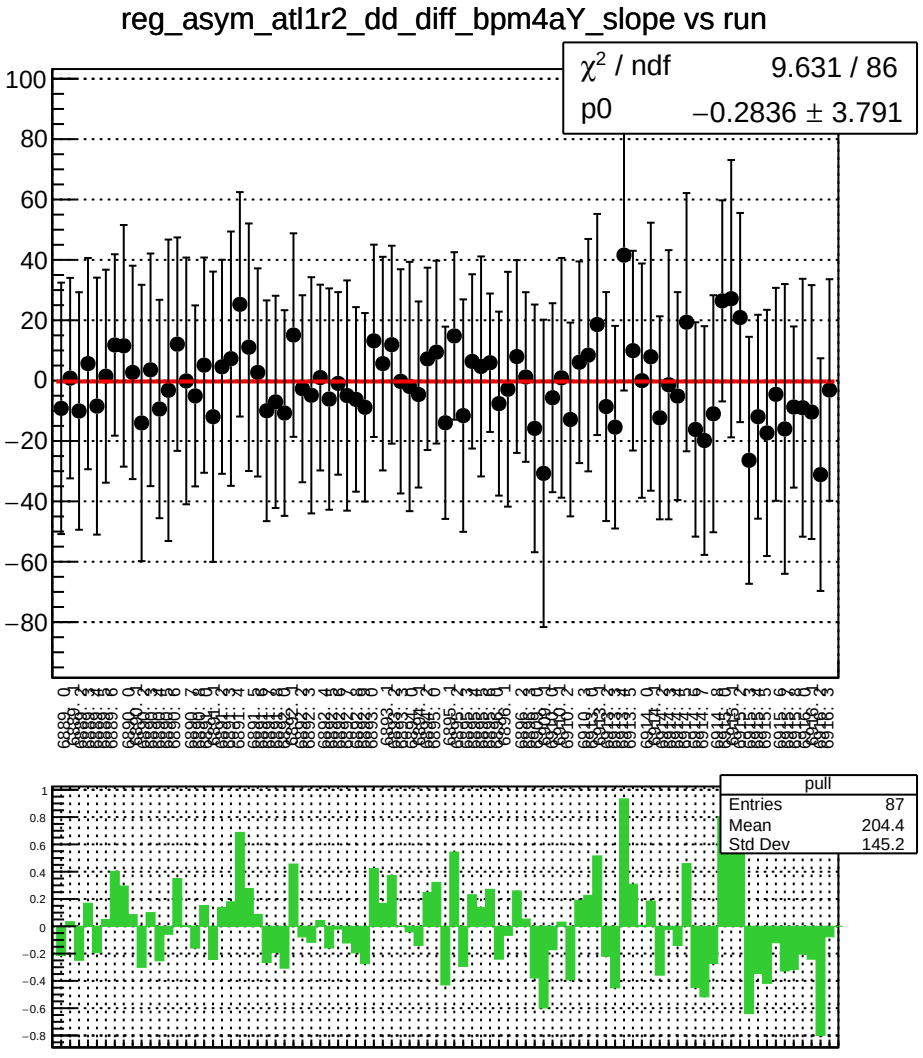

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.39 / 86
p0 53.14 ± 5.096
pull
Entries 87
Mean 249.8
Std Dev 136.8

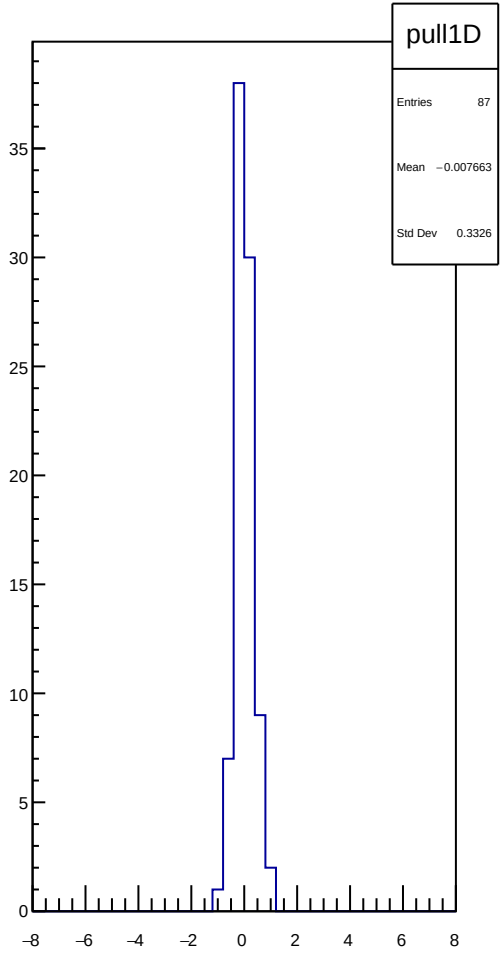

pull1D
Entries 87
Mean 0.001863
Std Dev 0.3105

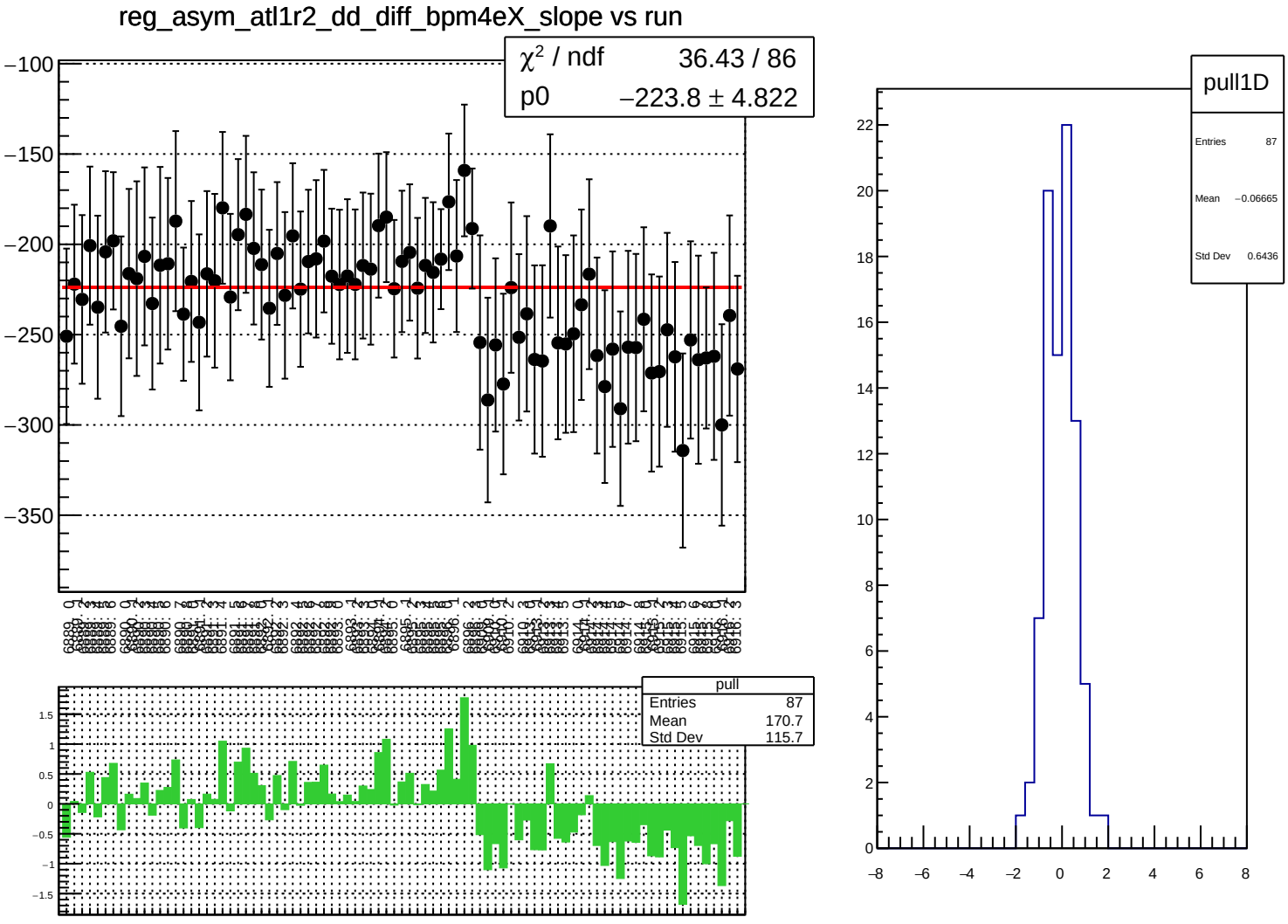

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 217.6 / 86
p0 −137.9 ± 0.225
pull
Entries 87
Mean 1156
Std Dev 1110
pull1D
Entries 87
Mean −0.02935
Std Dev 1.581

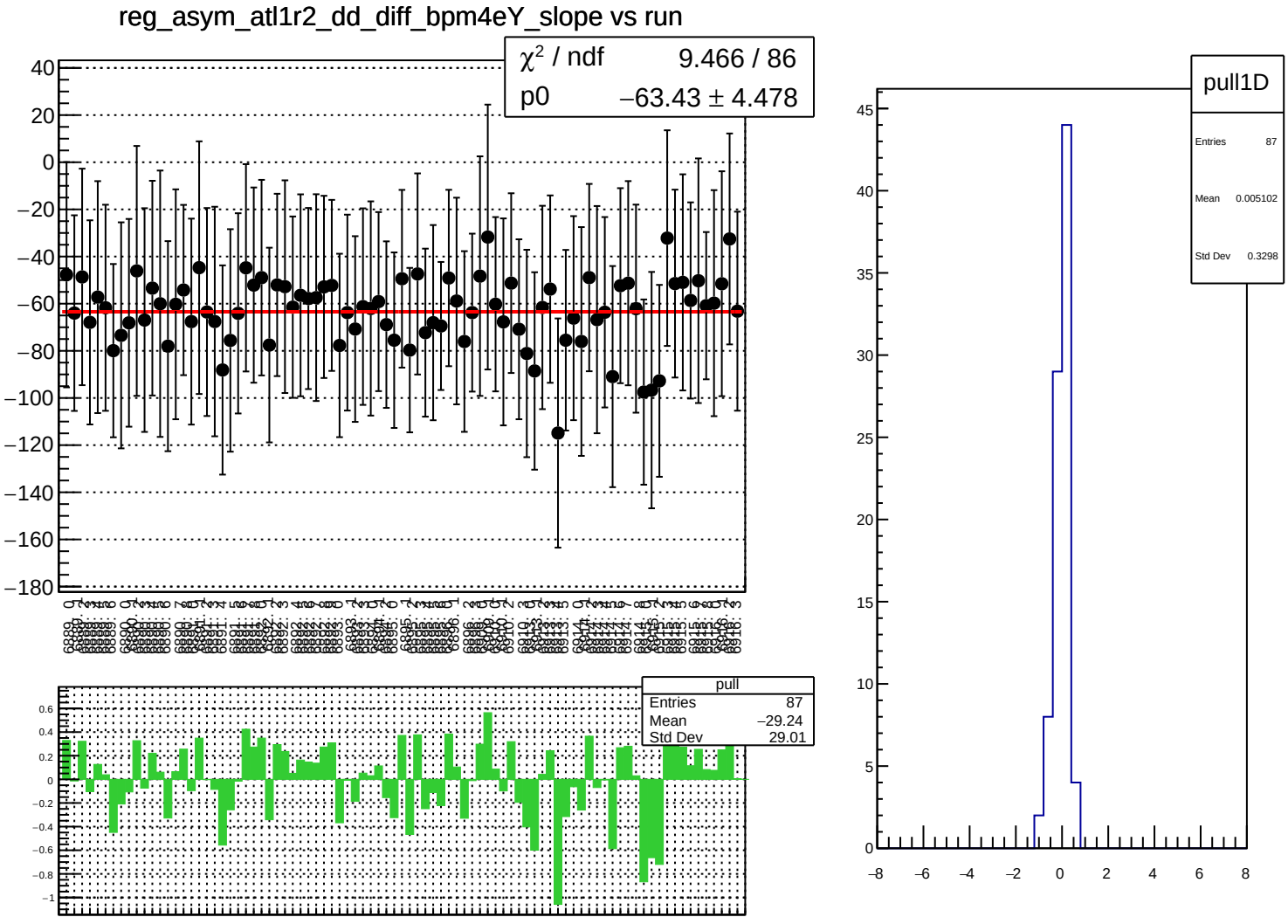

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 41.54 / 86
p0 199.1 ± 5.036
pull
Entries 87
Mean 161.4
Std Dev 106.7

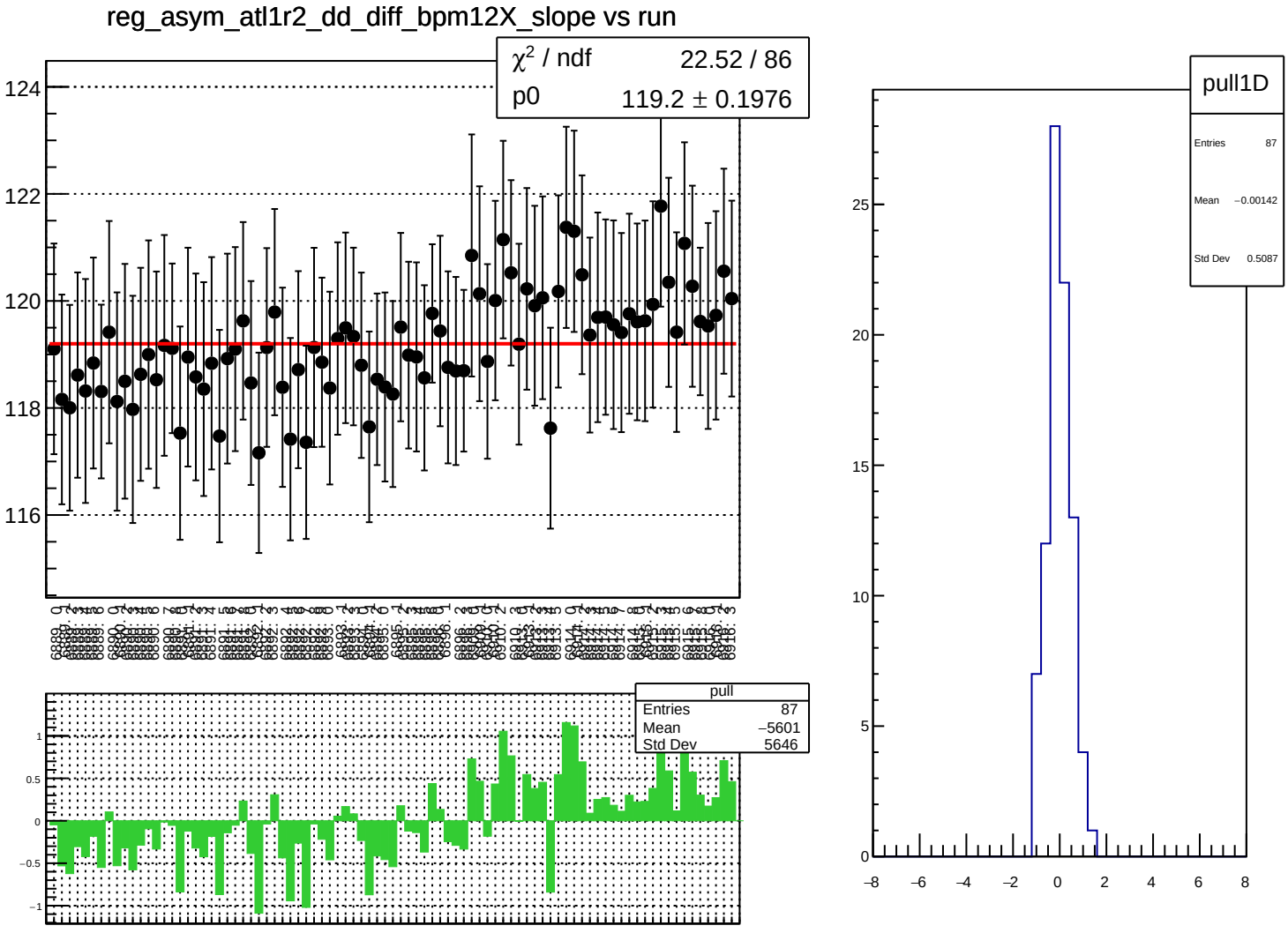

pull1D
Entries 87
Mean 0.08144
Std Dev 0.6862

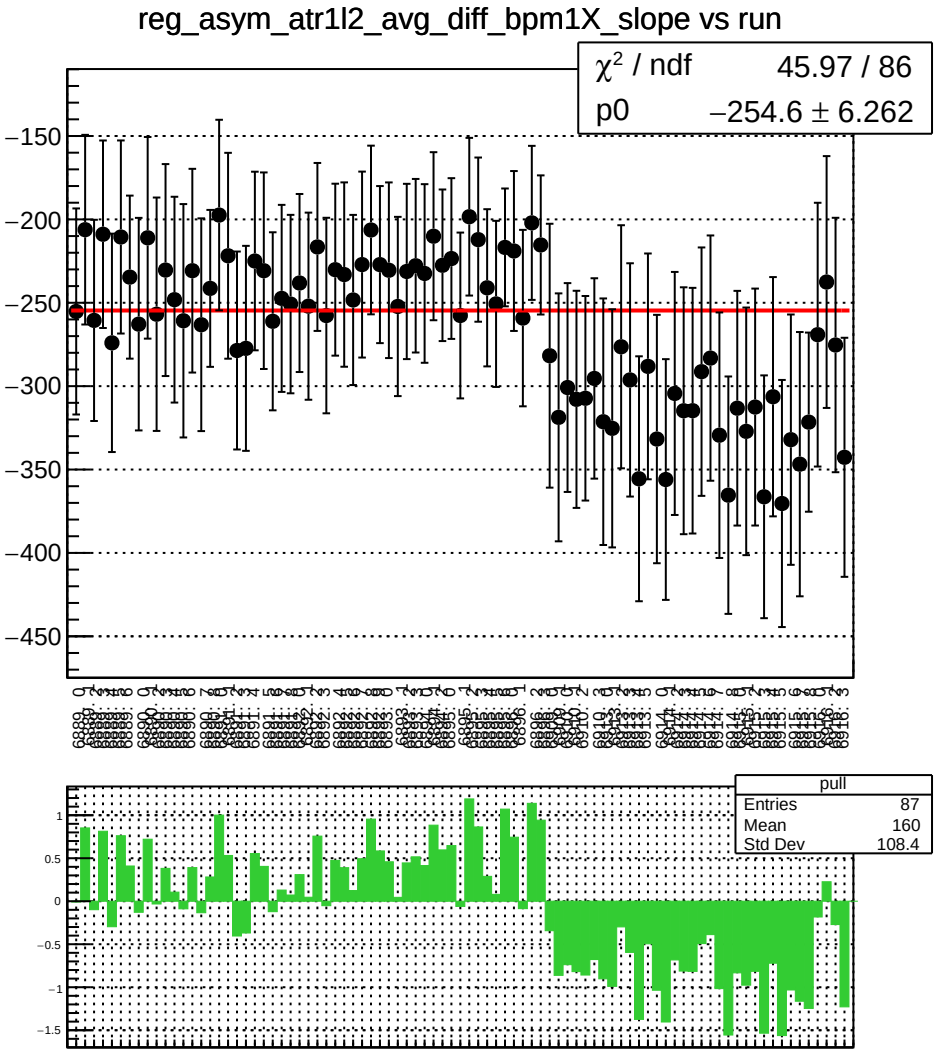

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.631 / 86
p0 −0.2836 ± 3.791
pull
Entries 87
Mean 204.4
Std Dev 145.2

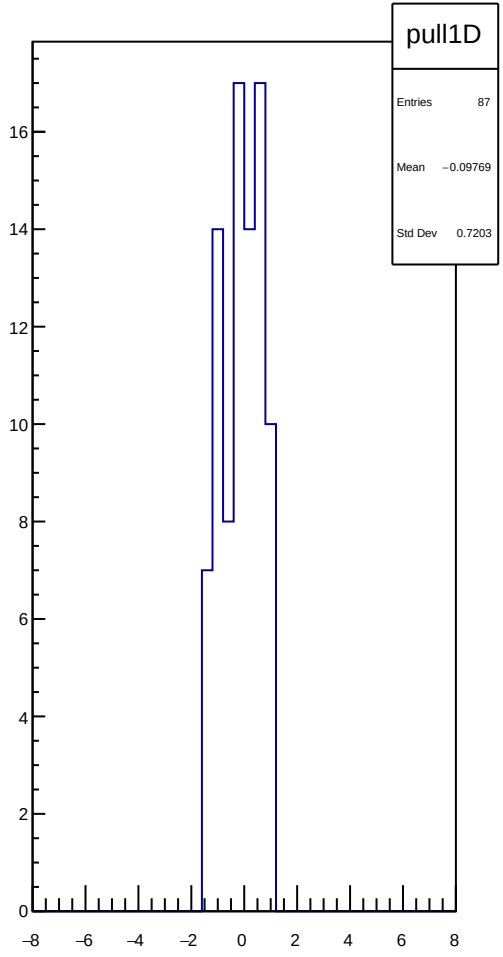

pull1D
Entries 87
Mean −0.007663
Std Dev 0.3326

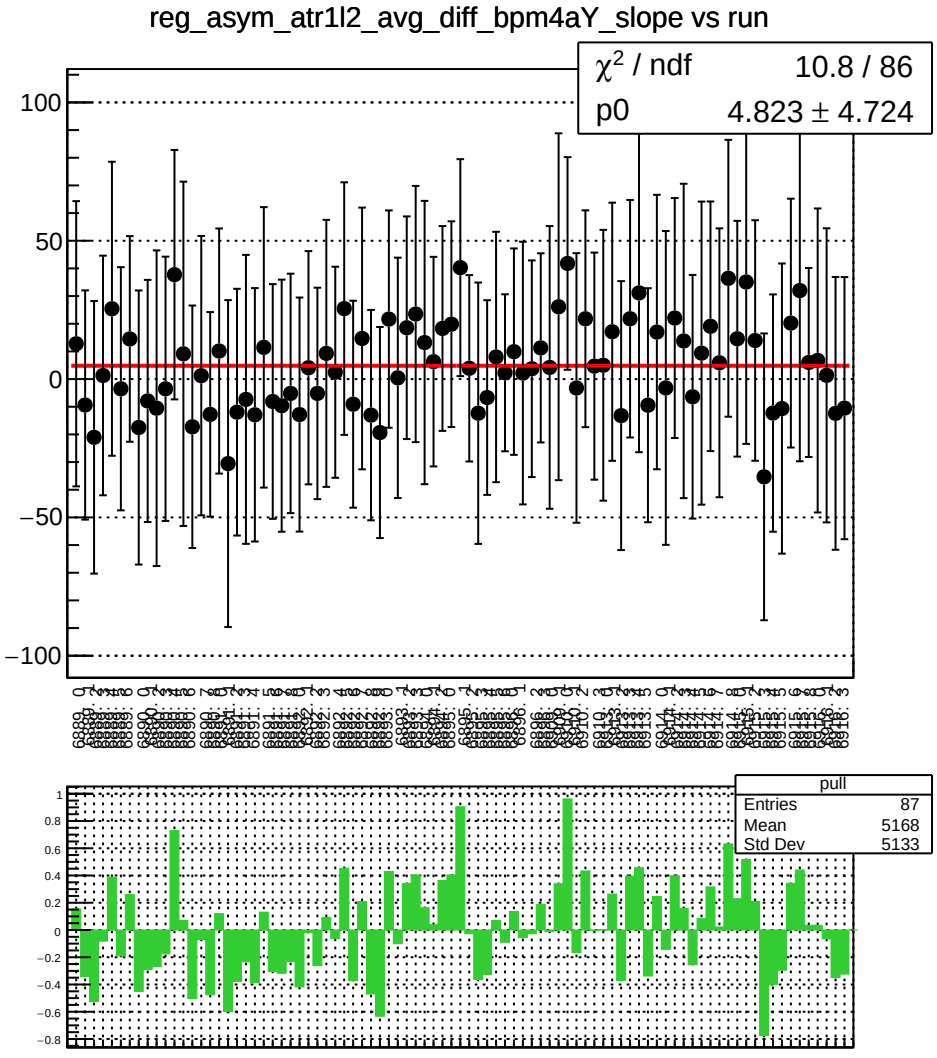

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.43 / 86
p0 −223.8 ± 4.822
pull
Entries 87
Mean 170.7
Std Dev 115.7
pull1D
Entries 87
Mean −0.06665
Std Dev 0.6436

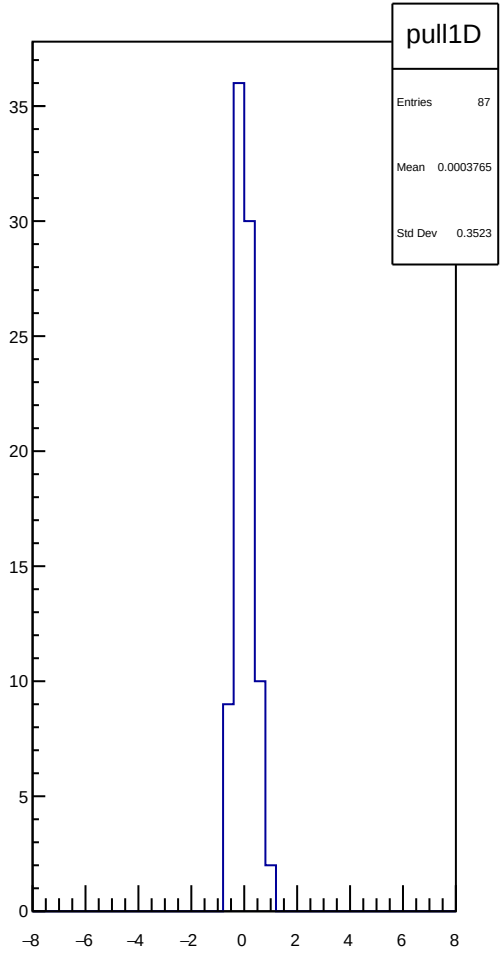

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.466 / 86
p0 −63.43 ± 4.478
pull
Entries 87
Mean −29.24
Std Dev 29.01
pull1D
Entries 87
Mean 0.005102
Std Dev 0.3298

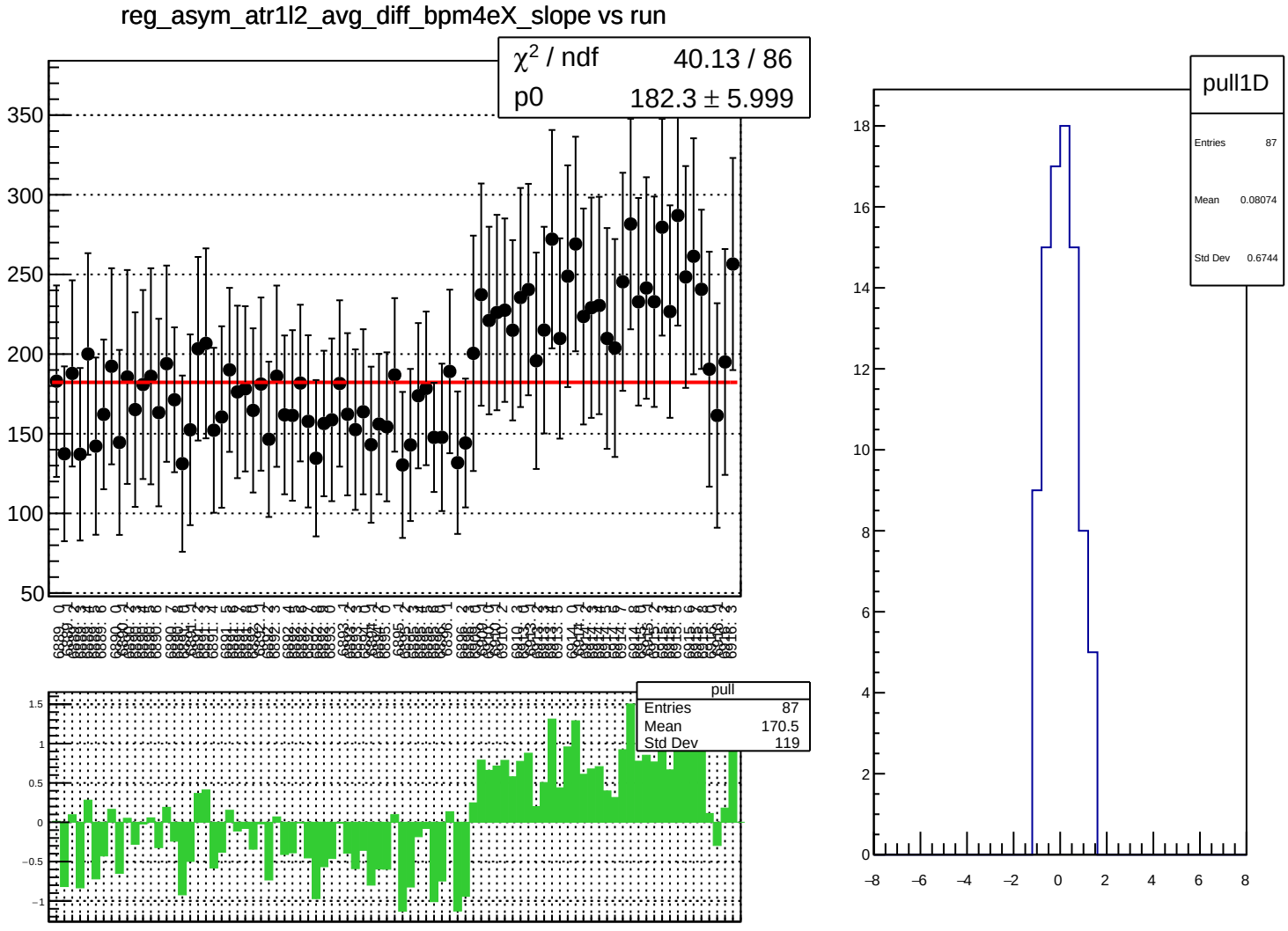

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.52 / 86
p0 119.2 ± 0.1976
124
122
120
118
116
pull
Entries 87
Mean −5601
Std Dev 5646
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.00142
Std Dev 0.5087
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

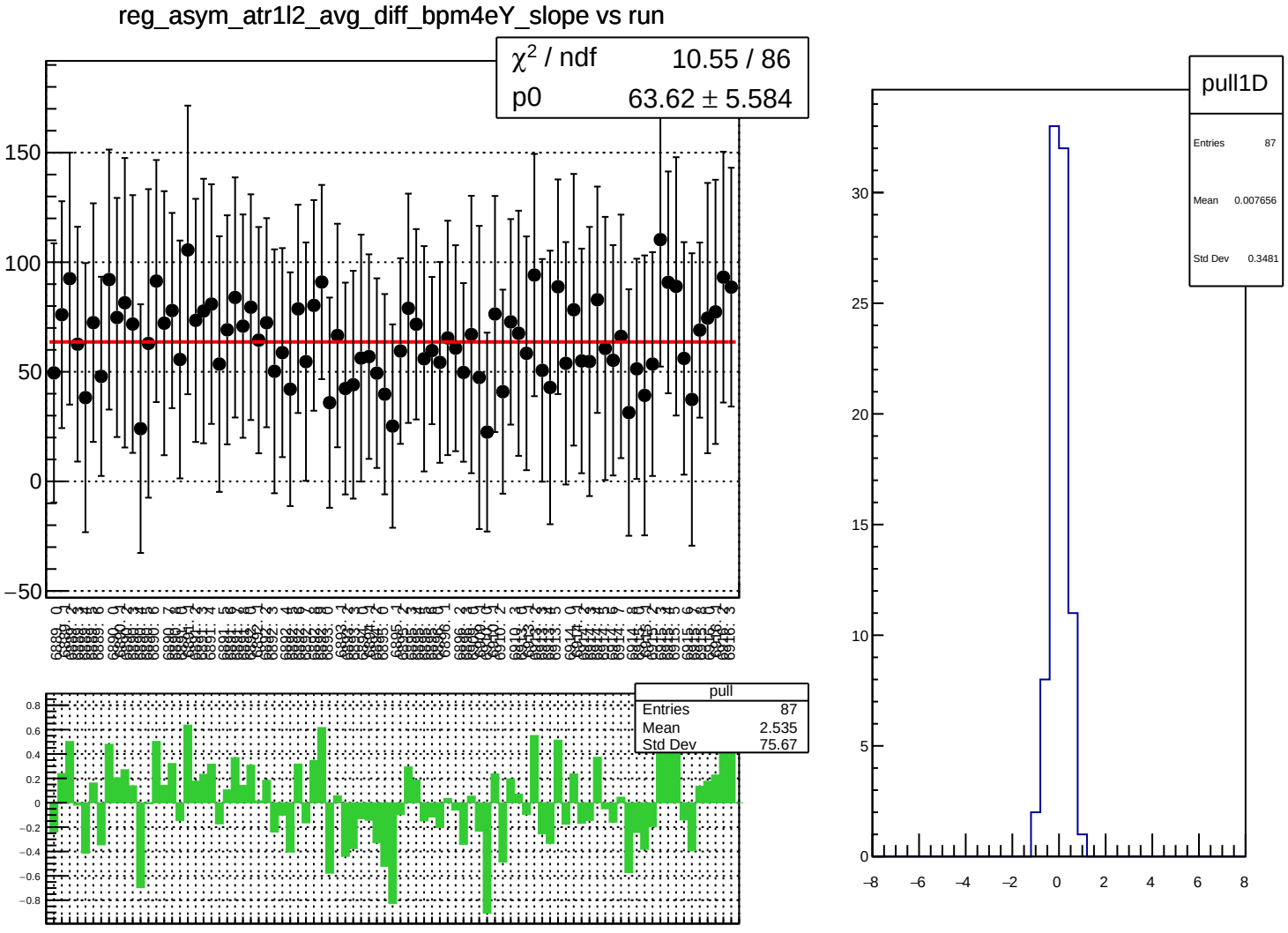

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 45.97 / 86
p0 −254.6 ± 6.262
pull
Entries 87
Mean 160
Std Dev 108.4

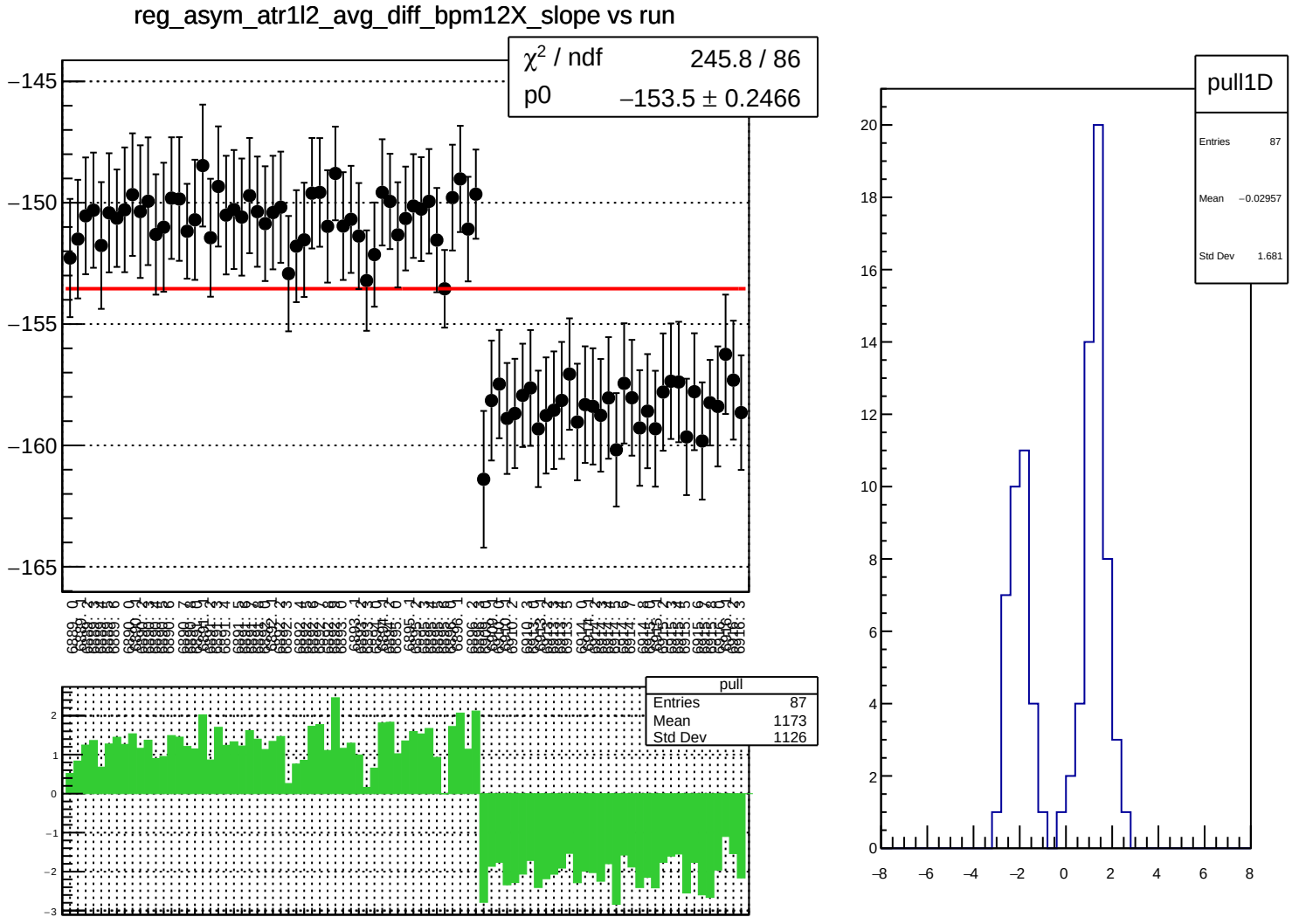

pull1D
Entries 87
Mean −0.09769
Std Dev 0.7203

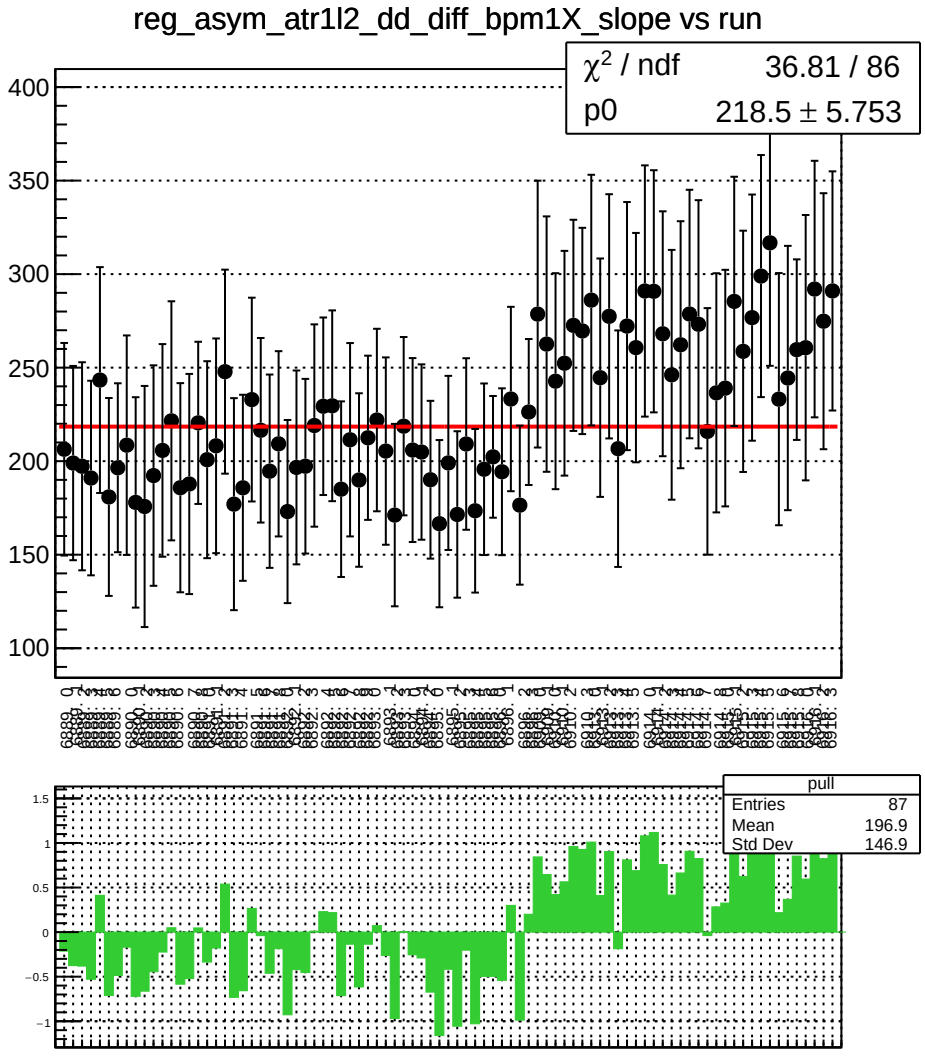

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 86
p0 4.823 ± 4.724
pull
Entries 87
Mean 5168
Std Dev 5133

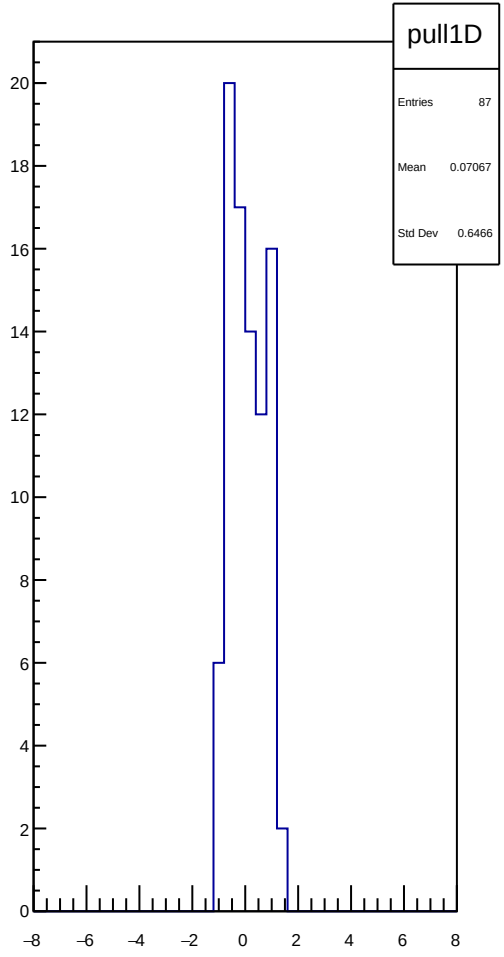

pull1D
Entries 87
Mean 0.0003765
Std Dev 0.3523

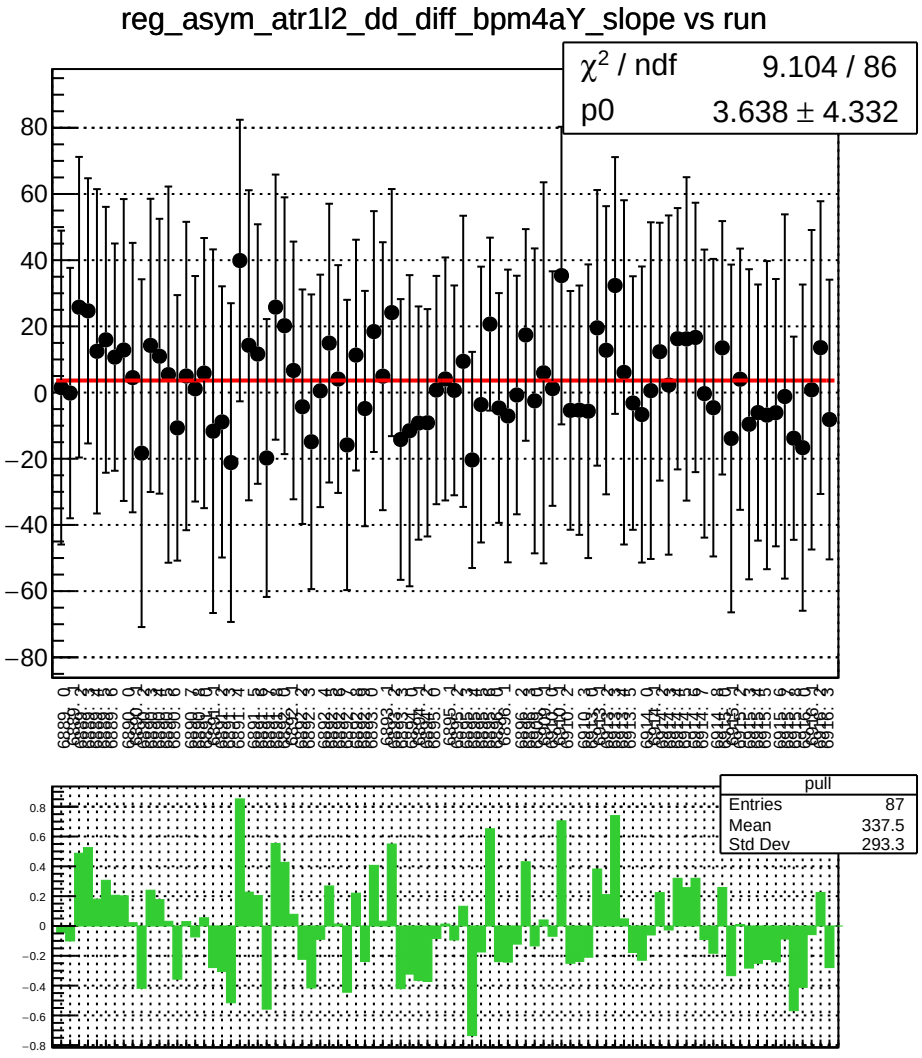

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 40.13 / 86
p0 182.3 ± 5.999
pull
Entries 87
Mean 170.5
Std Dev 119
pull1D
Entries 87
Mean 0.08074
Std Dev 0.6744

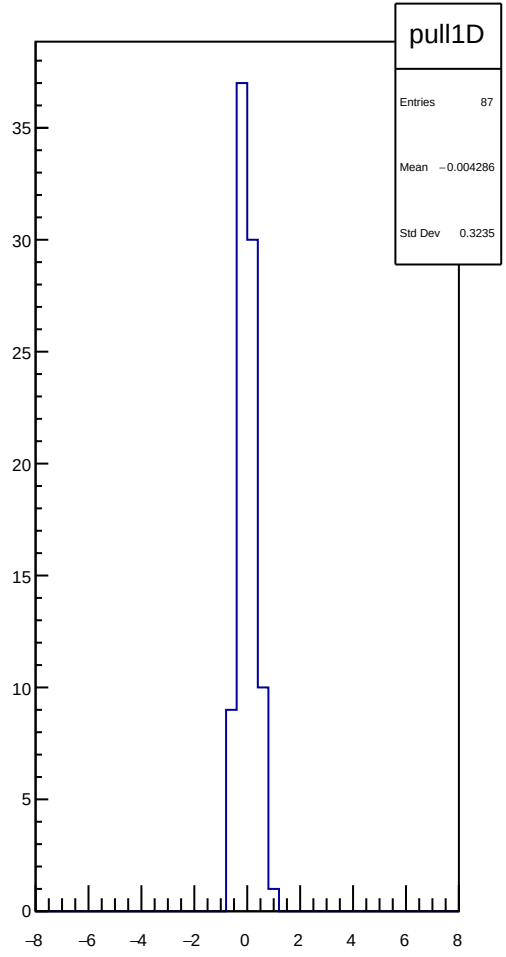

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.55 / 86
p0 63.62 ± 5.584
pull
Entries 87
Mean 2.535
Std Dev 75.67
pull1D
Entries 87
Mean 0.007656
Std Dev 0.3481

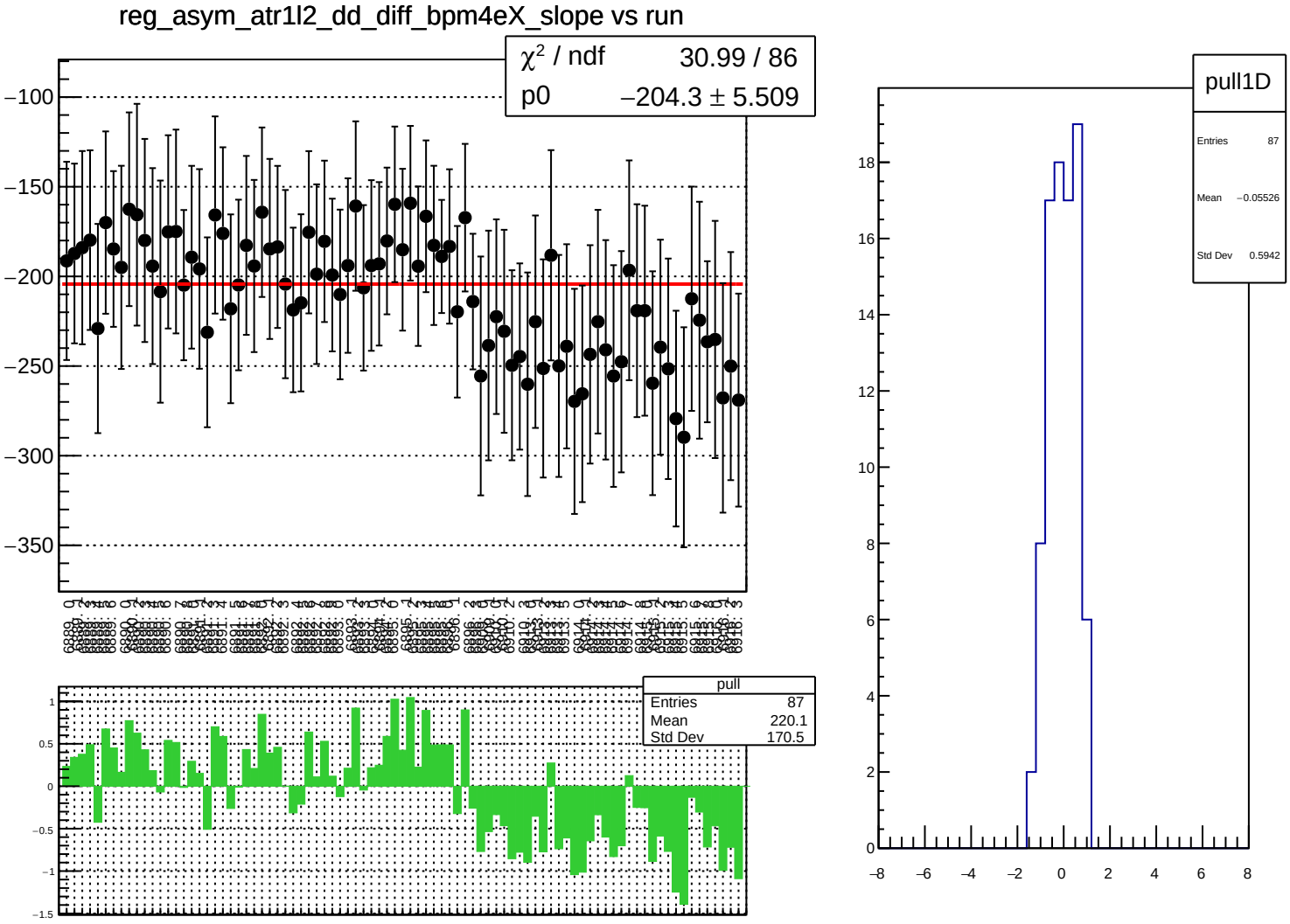

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 245.8 / 86
p0 −153.5 ± 0.2466
pull
Entries 87
Mean 1173
Std Dev 1126
pull1D
Entries 87
Mean −0.02957
Std Dev 1.681

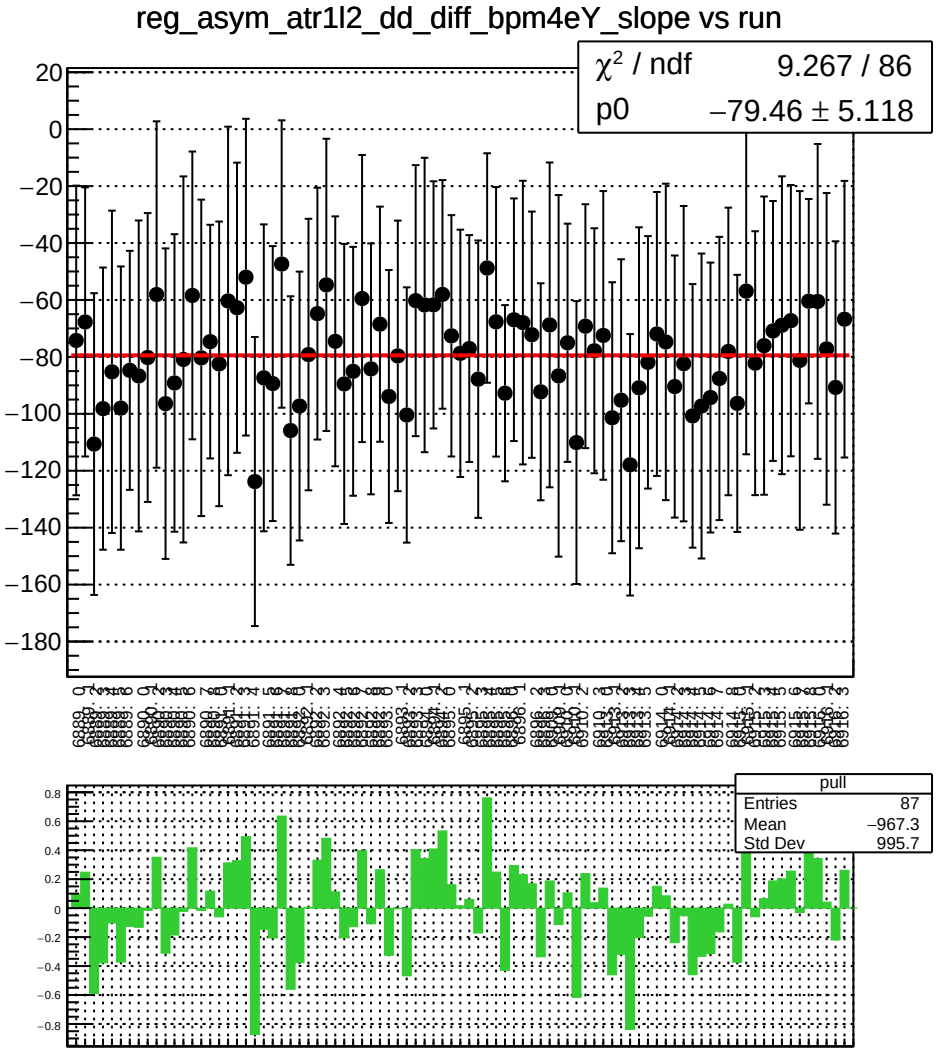

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 36.81 / 86
p0 218.5 ± 5.753
pull
Entries 87
Mean 196.9
Std Dev 146.9

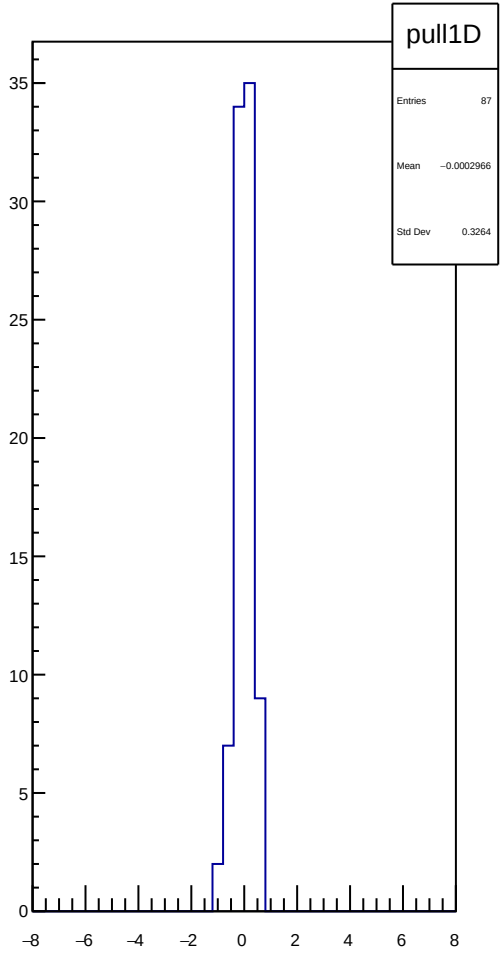

pull1D
Entries 87
Mean 0.07067
Std Dev 0.6466

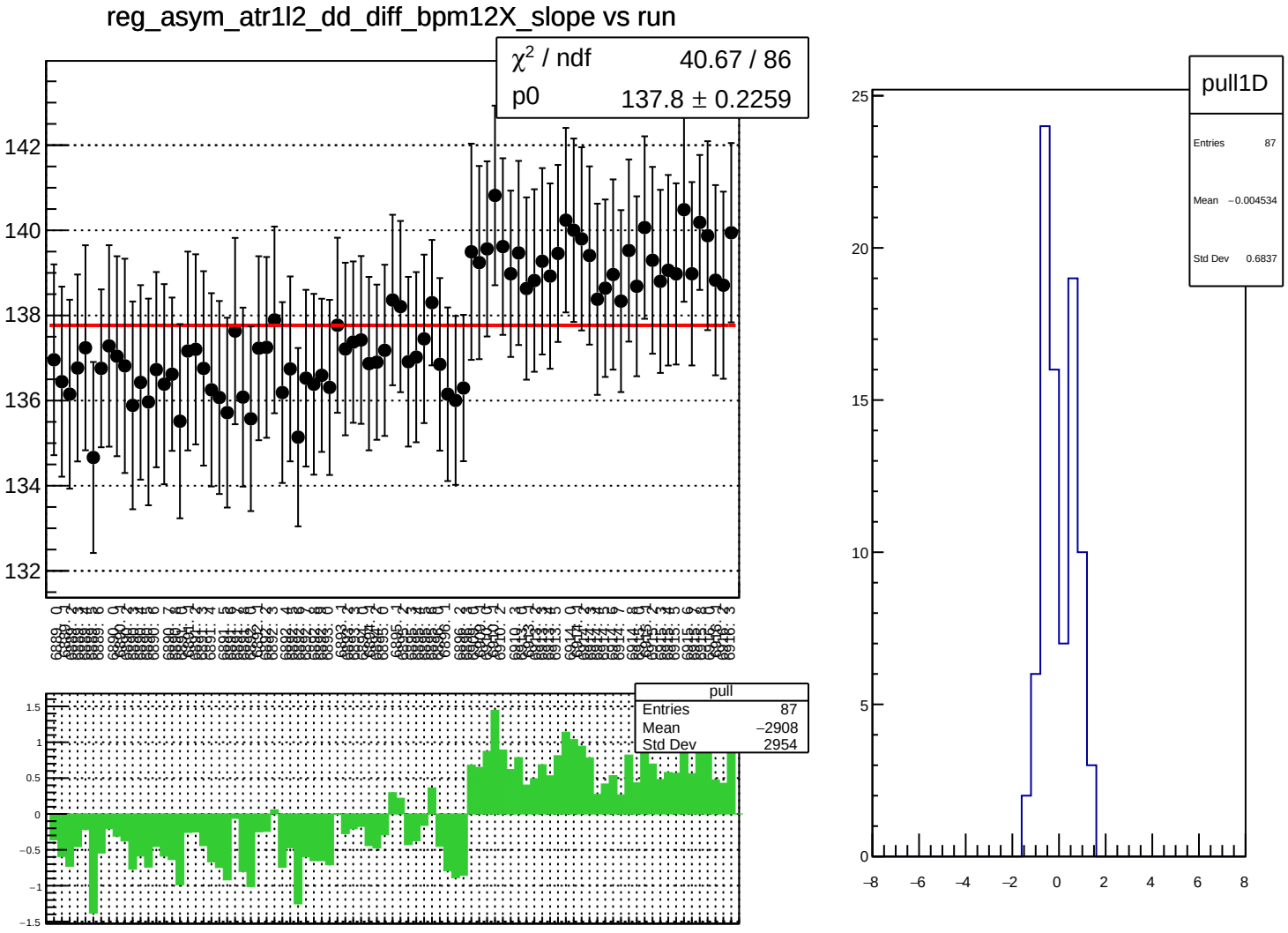

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.104 / 86
p0 3.638 ± 4.332
pull
Entries 87
Mean 337.5
Std Dev 293.3


pull1D
Entries 87
Mean −0.004286
Std Dev 0.3235

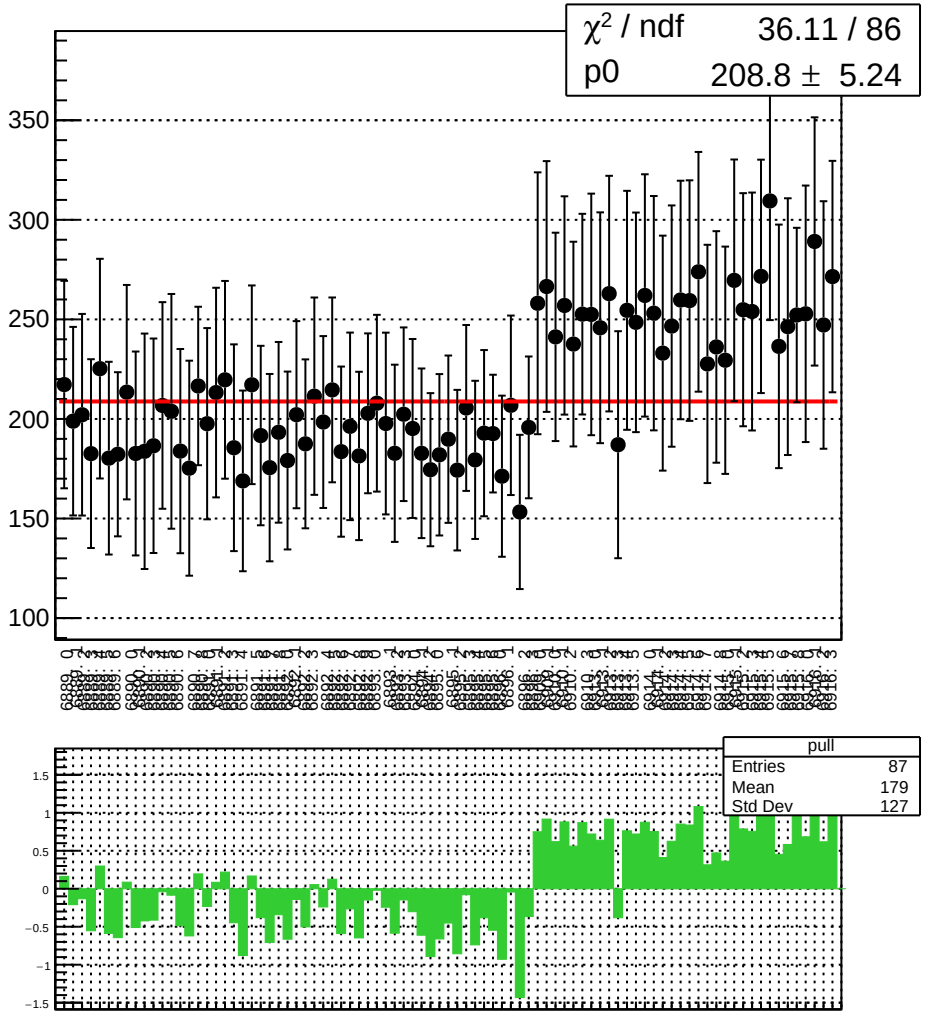

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 30.99 / 86
p0 −204.3 ± 5.509
pull
Entries 87
Mean 220.1
Std Dev 170.5
pull1D
Entries 87
Mean −0.05526
Std Dev 0.5942

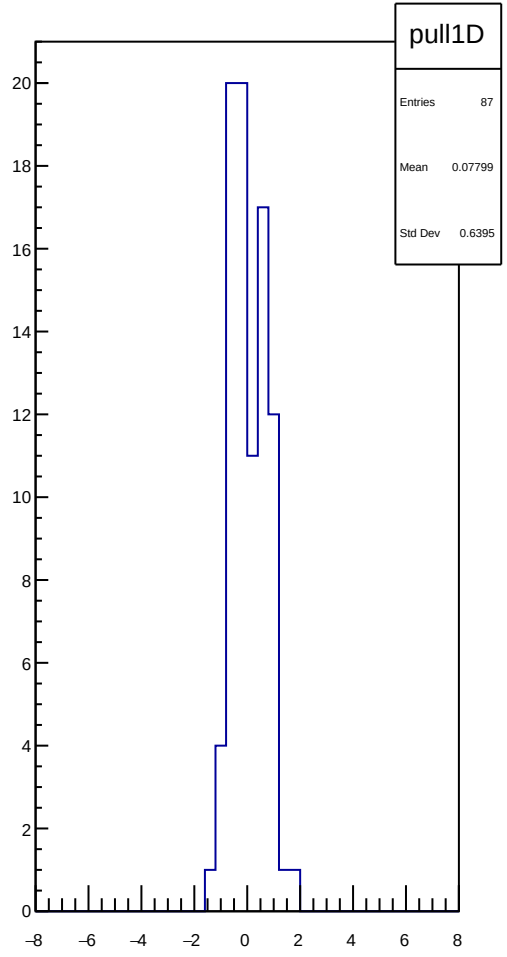

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.267 / 86
p0 −79.46 ± 5.118
pull
Entries 87
Mean −967.3
Std Dev 995.7

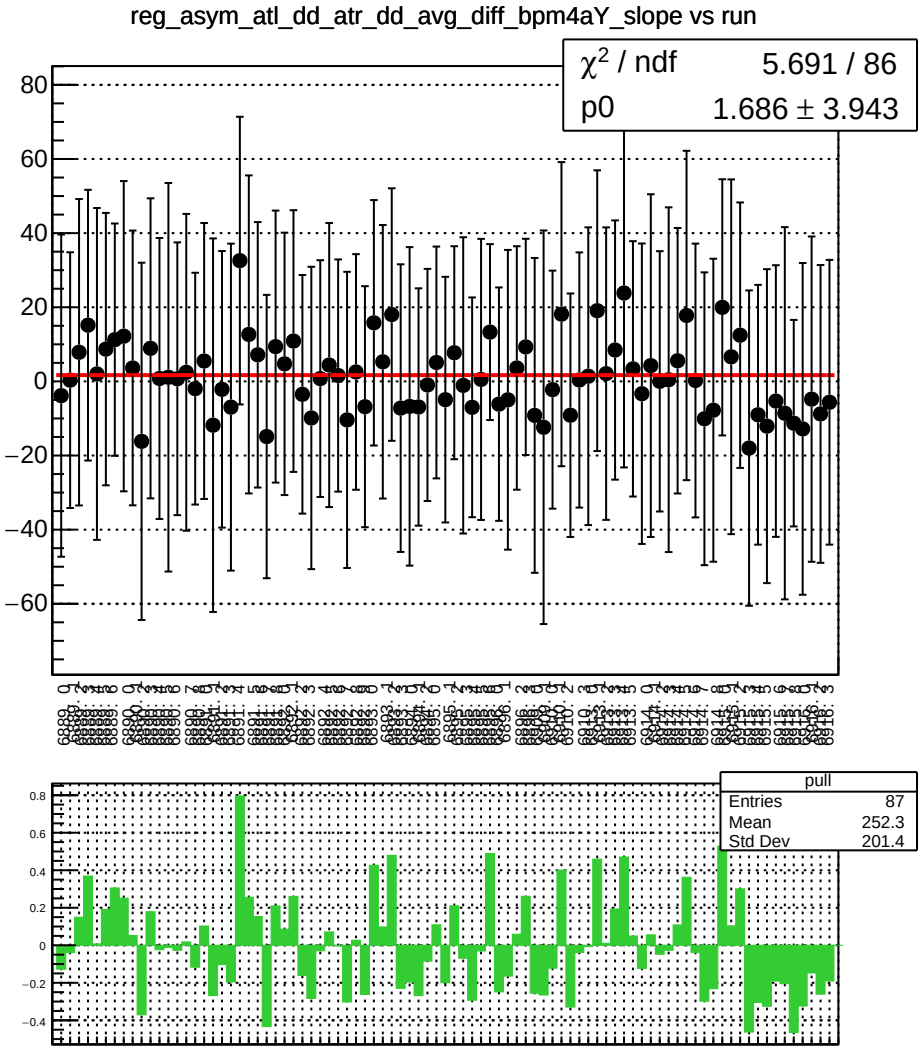

pull1D
Entries 87
Mean −0.0002966
Std Dev 0.3264

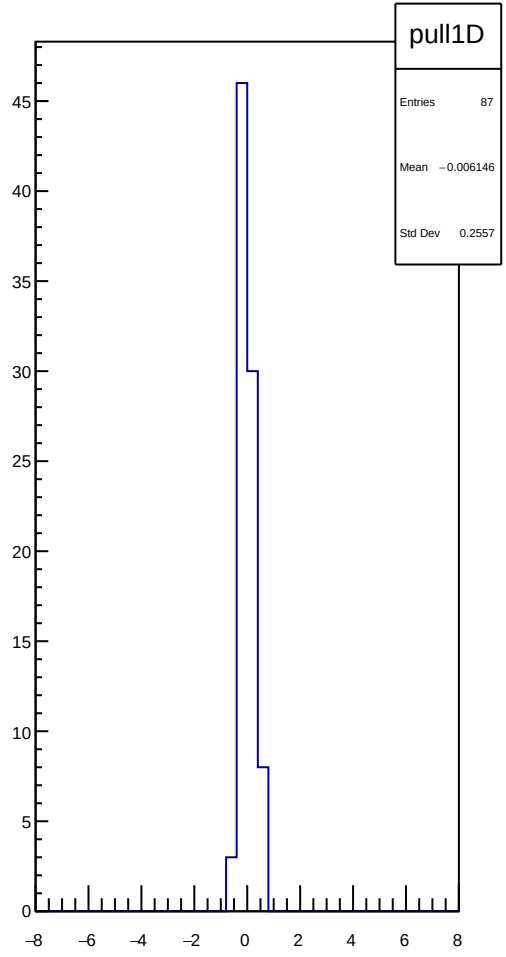

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 40.67 / 86
p0 137.8 ± 0.2259
142
140
138
136
134
132
pull
Entries 87
Mean −2908
Std Dev 2954
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.004534
Std Dev 0.6837
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

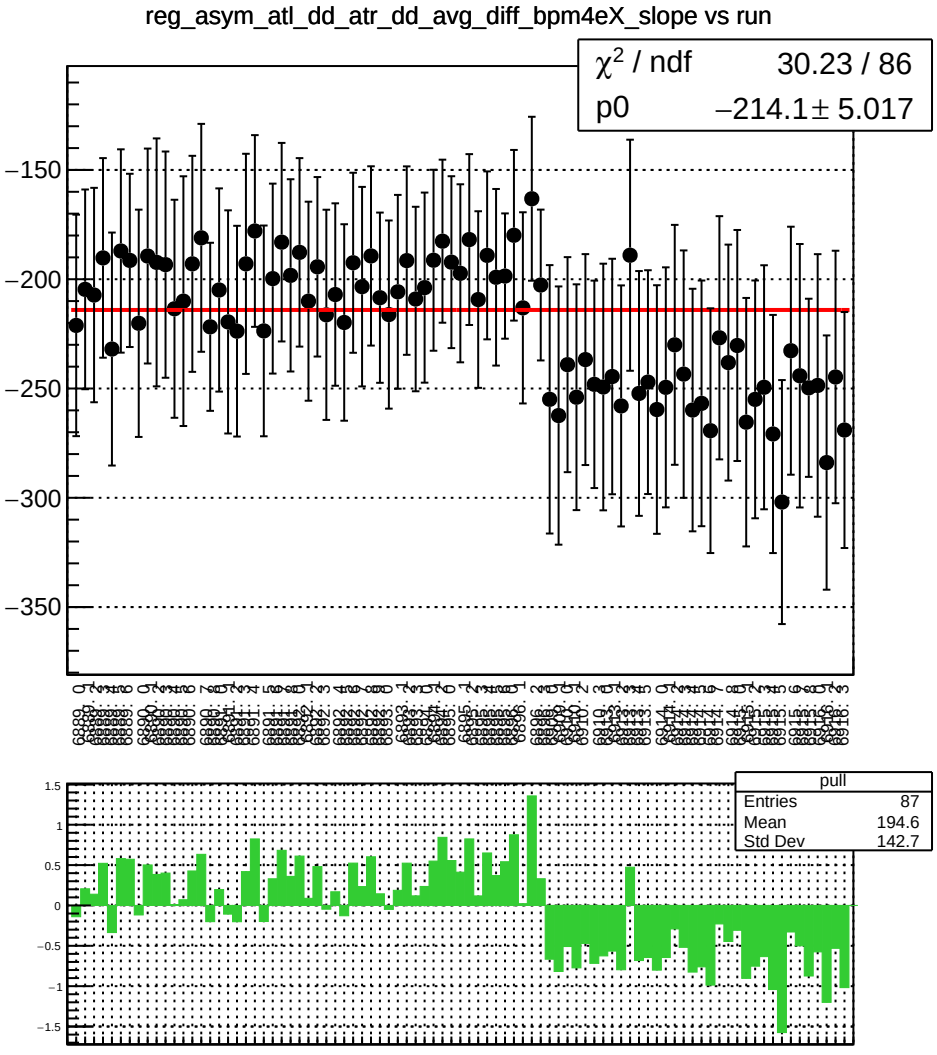
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run

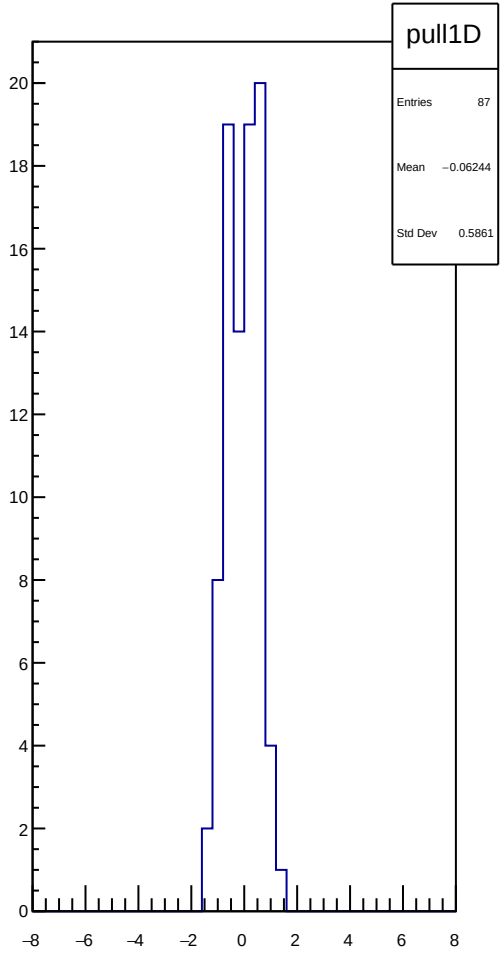


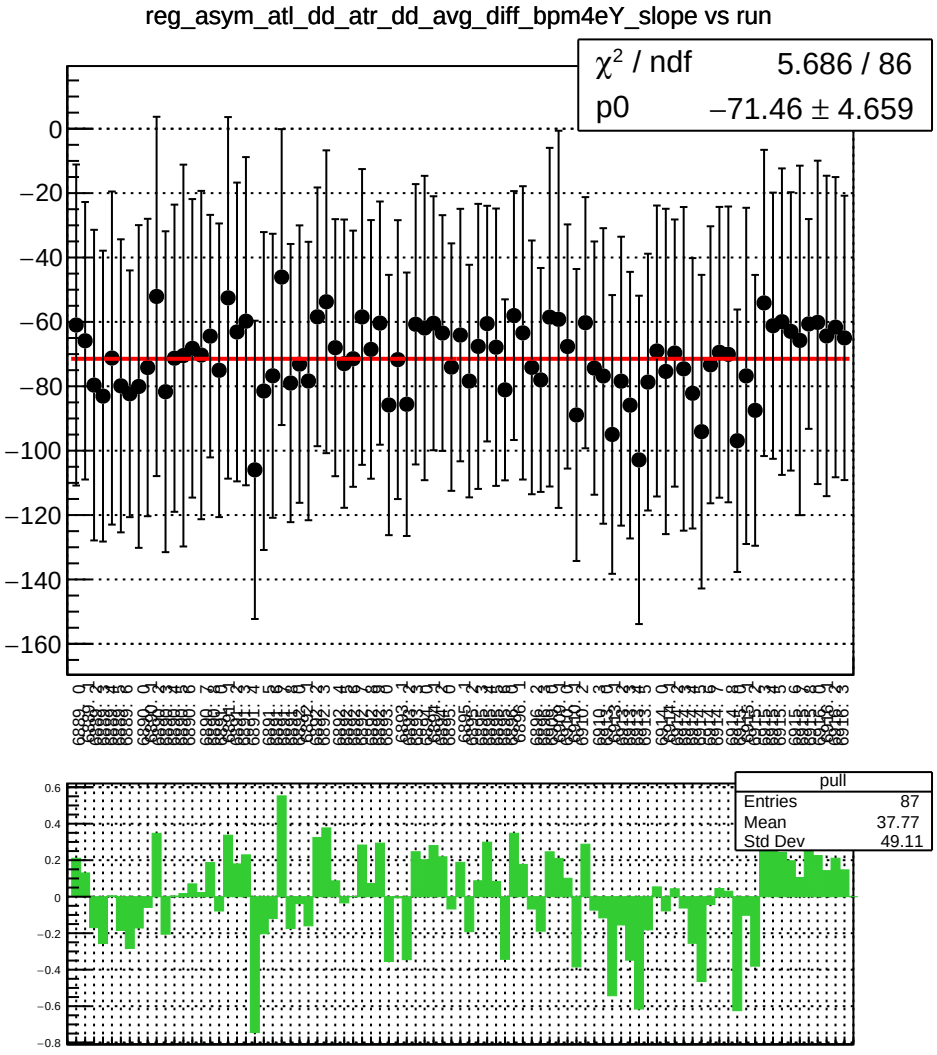


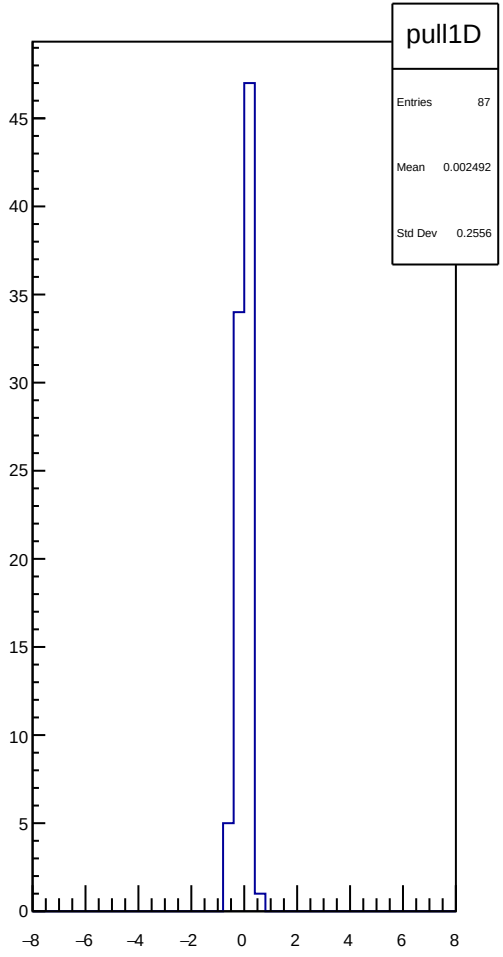

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.691 / 86
p0 1.686 ± 3.943
pull
Entries 87
Mean 252.3
Std Dev 201.4

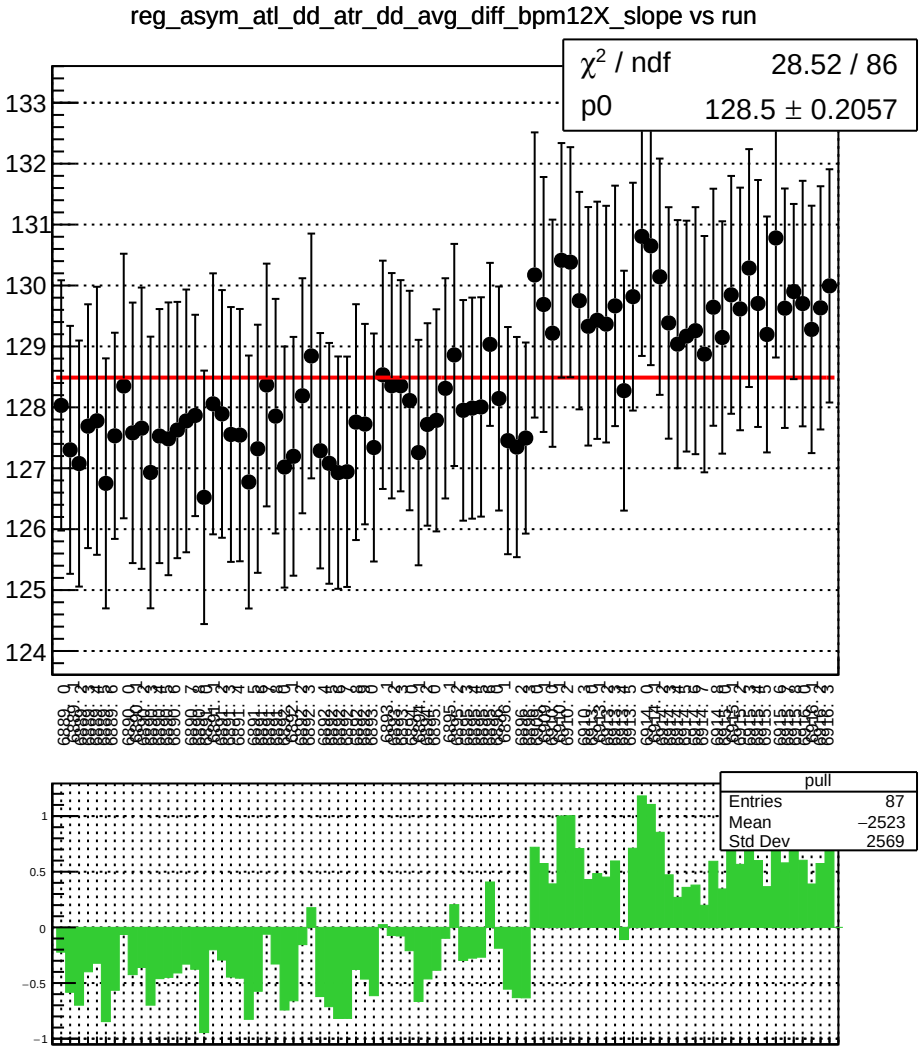

pull1D
Entries 87
Mean −0.006146
Std Dev 0.2557

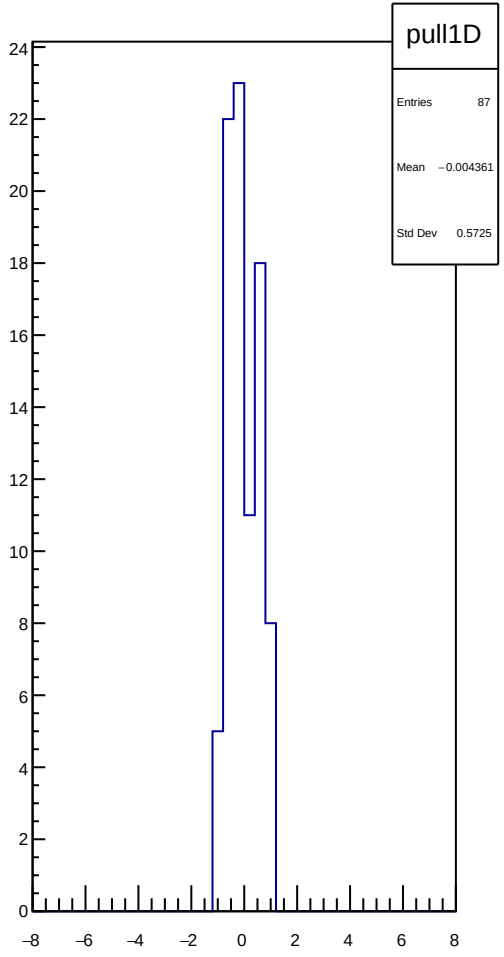

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ2 / ndf 30.23 / 86
p0 −214.1 ± 5.017
pull
Entries 87
Mean 194.6
Std Dev 142.7

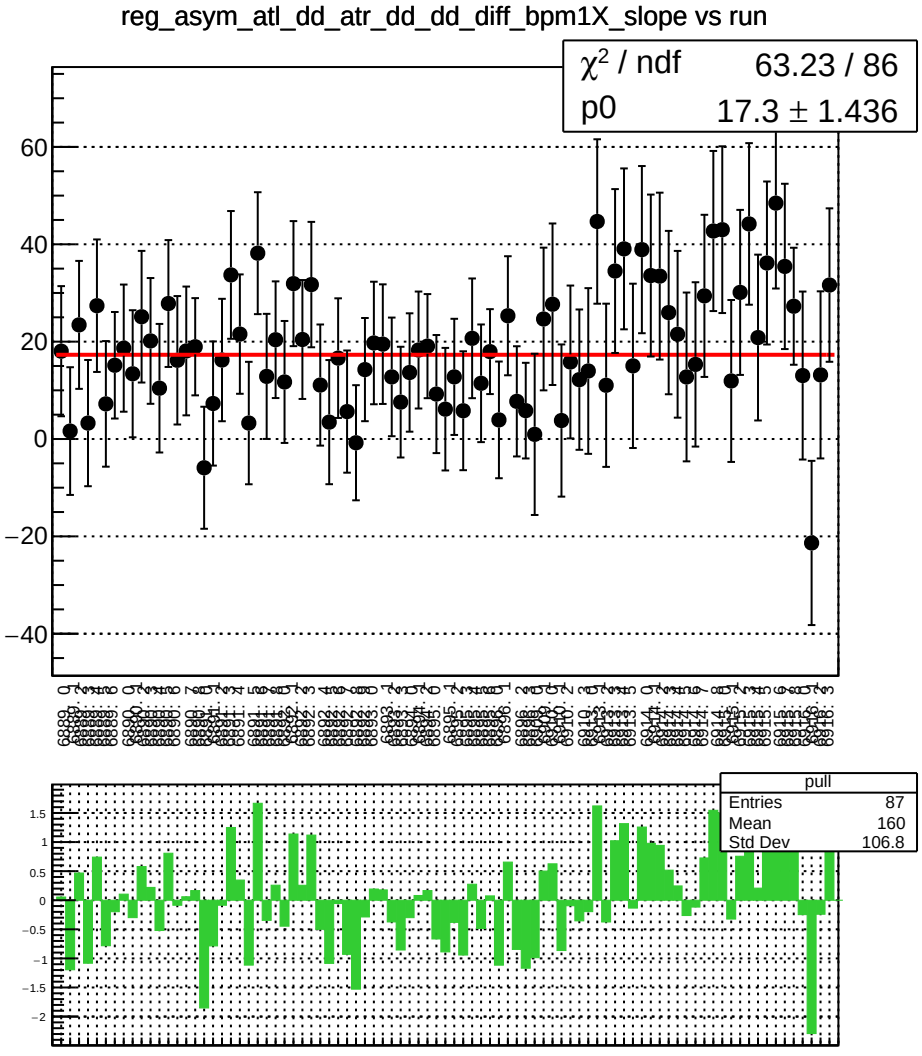

pull1D
Entries 87
Mean −0.06244
Std Dev 0.5861

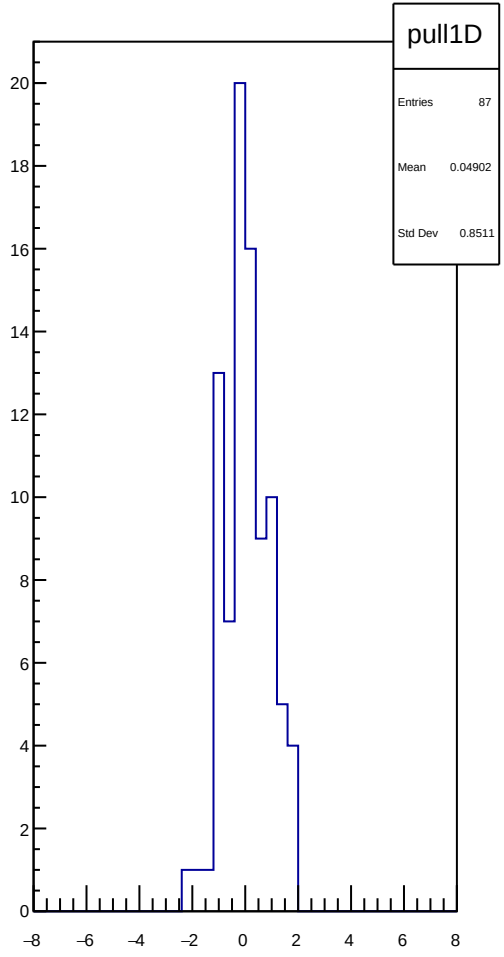

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.686 / 86
p0 −71.46 ± 4.659
pull
Entries 87
Mean 37.77
Std Dev 49.11

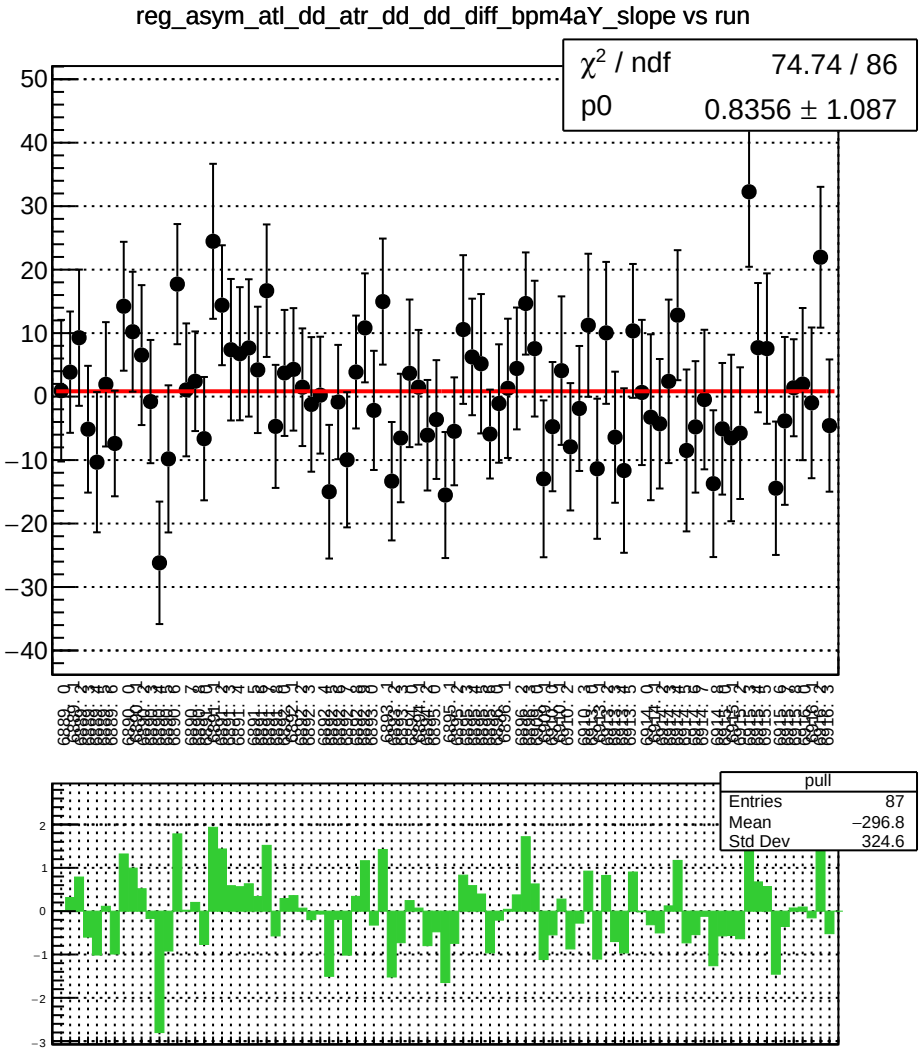

pull1D
Entries 87
Mean 0.002492
Std Dev 0.2556

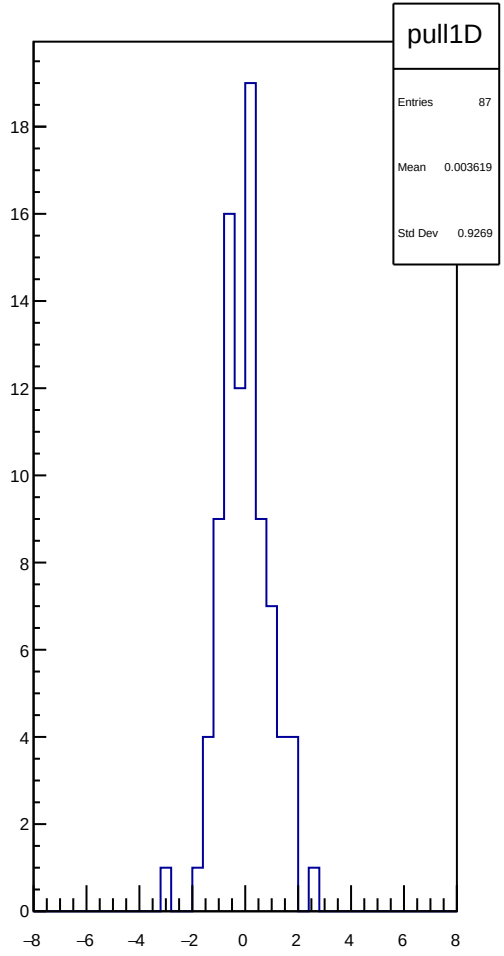

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 28.52 / 86
p0 128.5 ± 0.2057
pull
Entries 87
Mean −2523
Std Dev 2569


pull1D
Entries 87
Mean −0.004361
Std Dev 0.5725

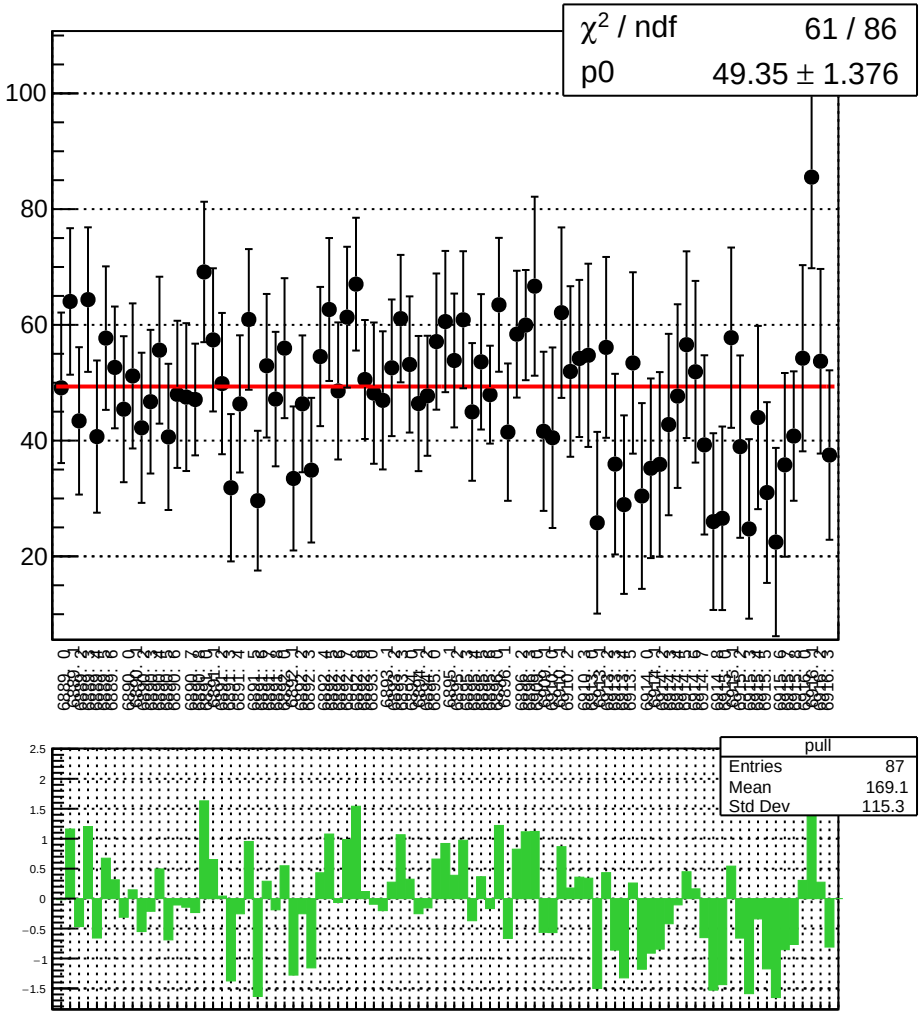

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 63.23 / 86
p0 17.3 ± 1.436
pull
Entries 87
Mean 160
Std Dev 106.8

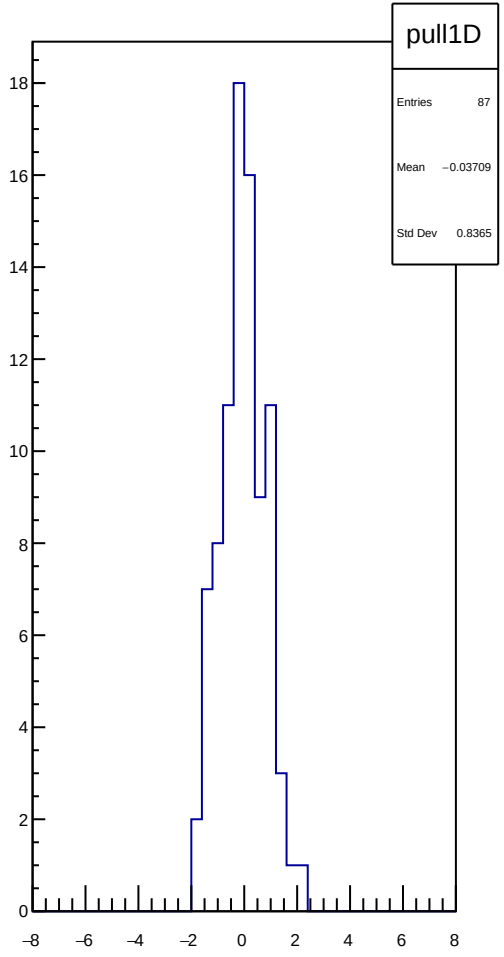

pull1D
Entries 87
Mean 0.04902
Std Dev 0.8511

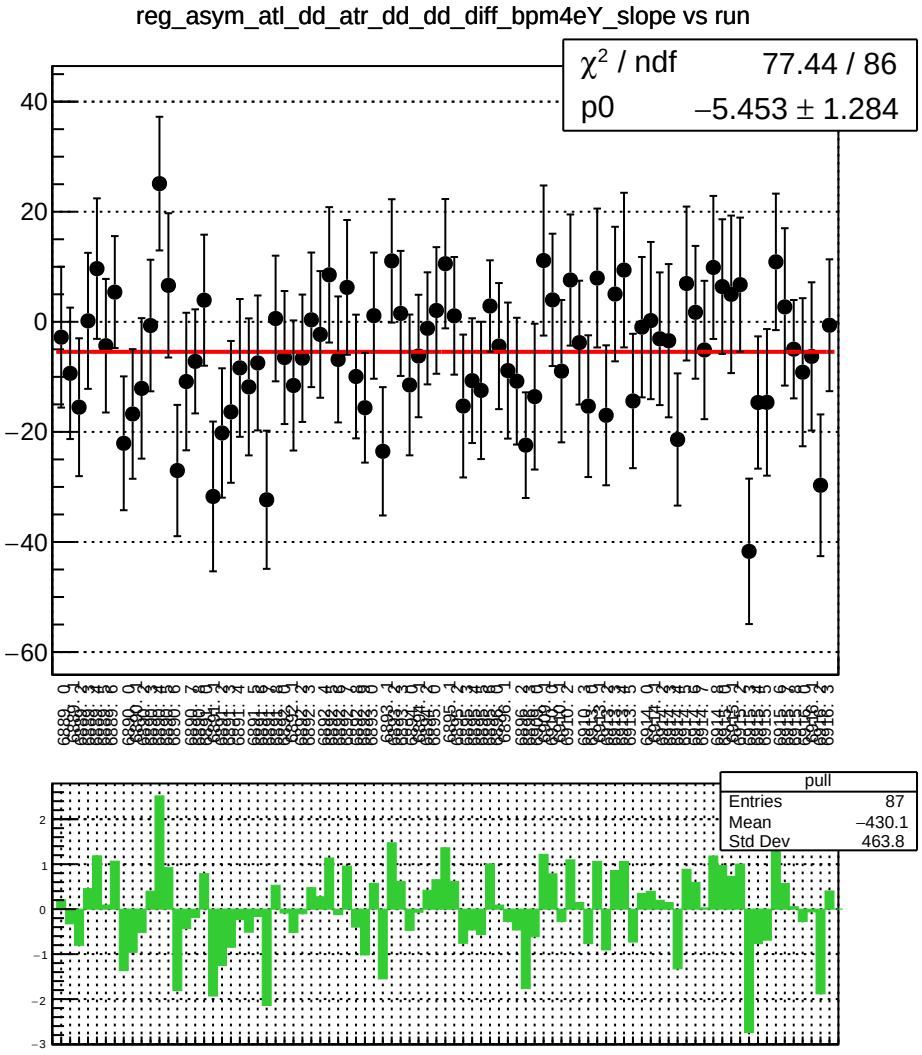

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.74 / 86
p0 0.8356 ± 1.087
pull
Entries 87
Mean −296.8
Std Dev 324.6

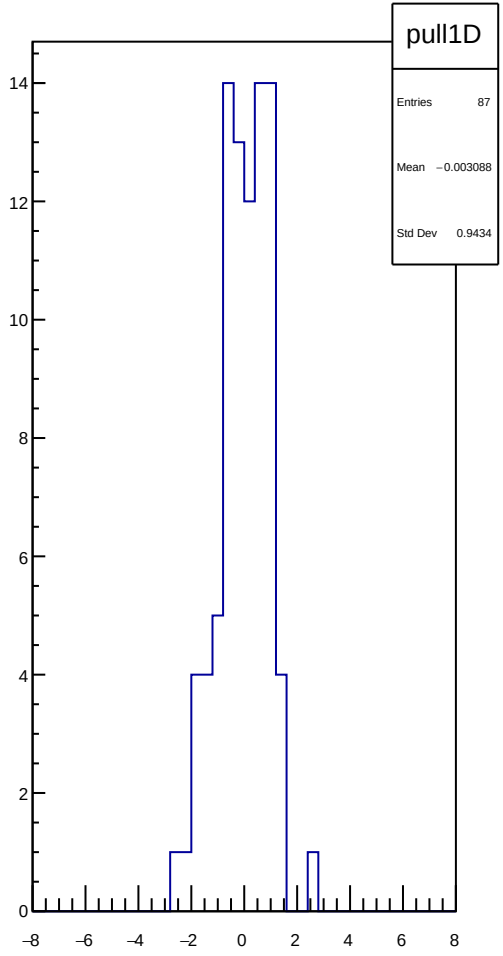

pull1D
Entries 87
Mean 0.003619
Std Dev 0.9269

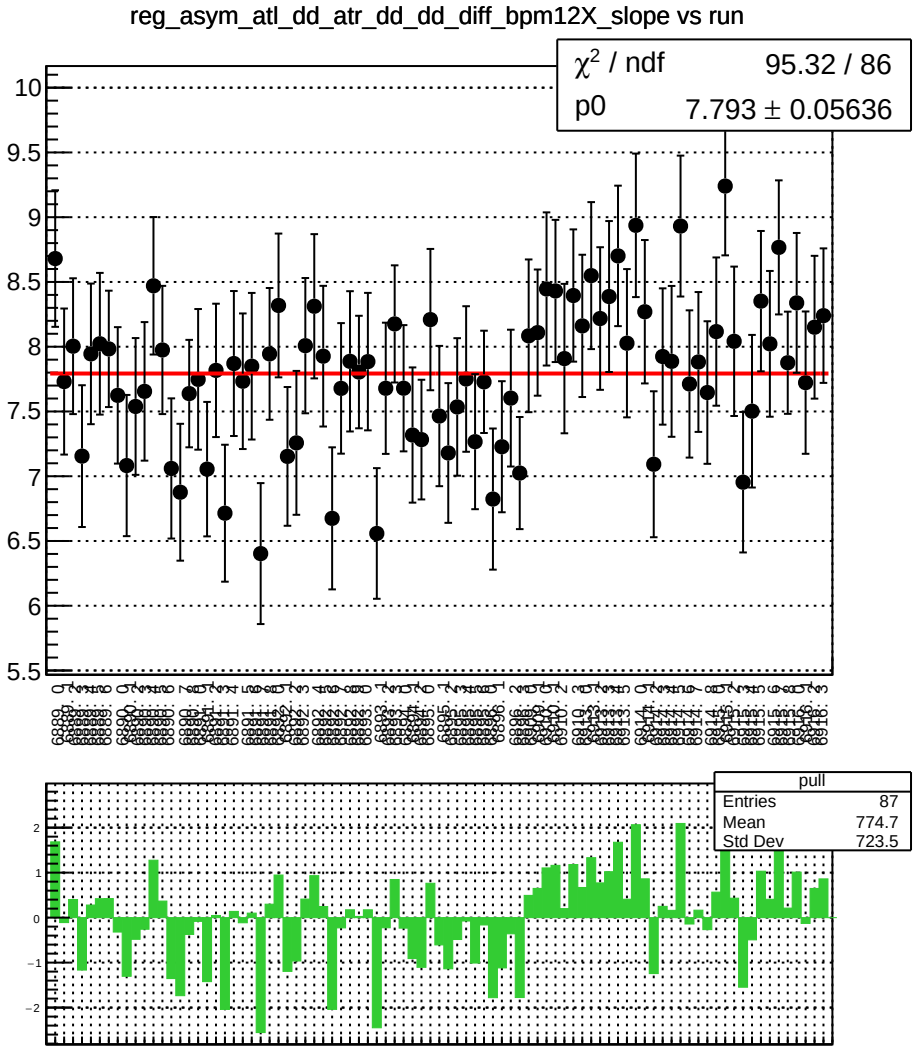
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run

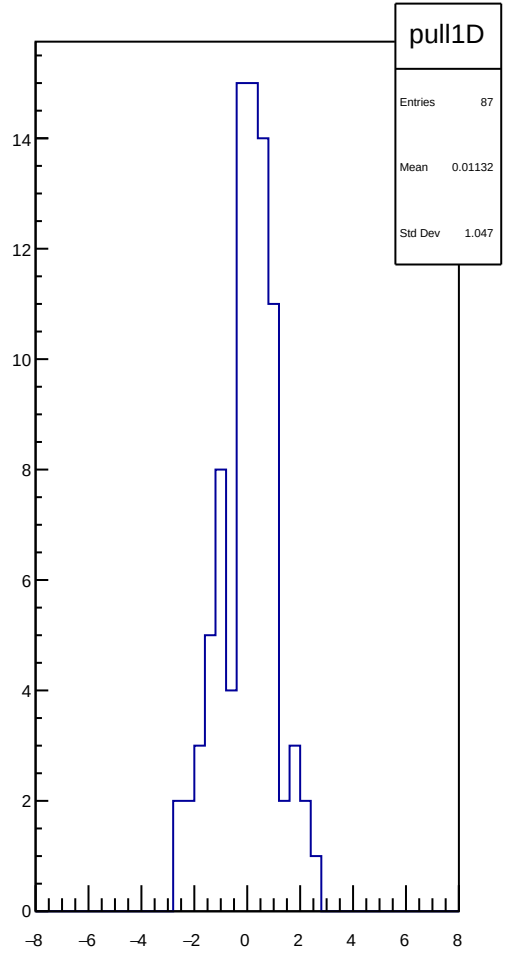


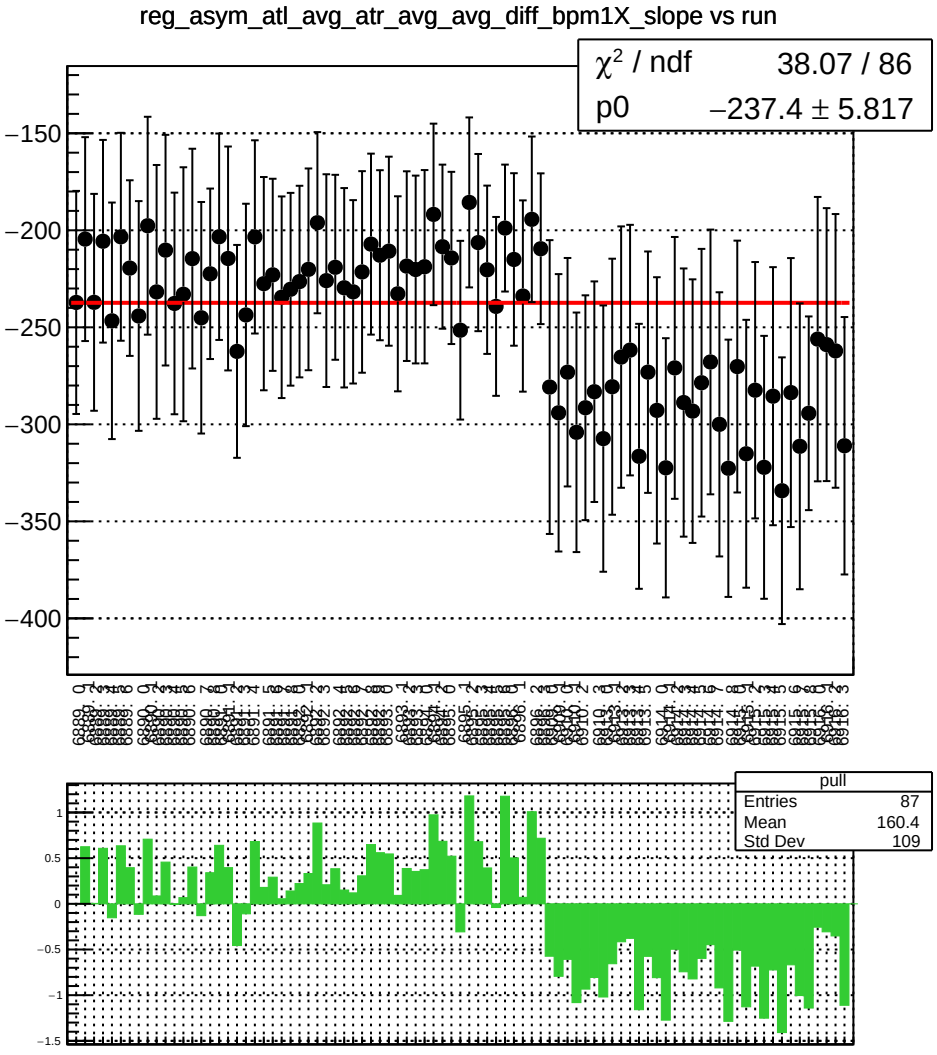


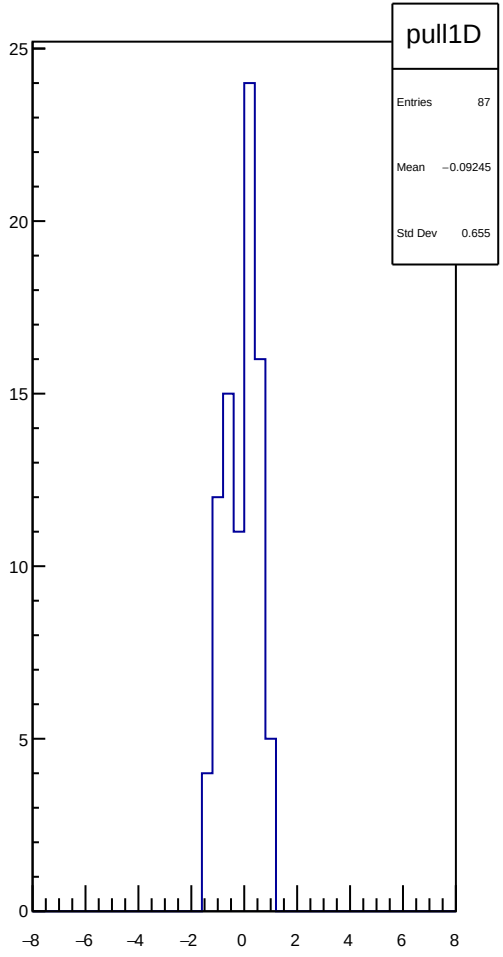

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.44 / 86
p0 −5.453 ± 1.284
pull
Entries 87
Mean −430.1
Std Dev 463.8

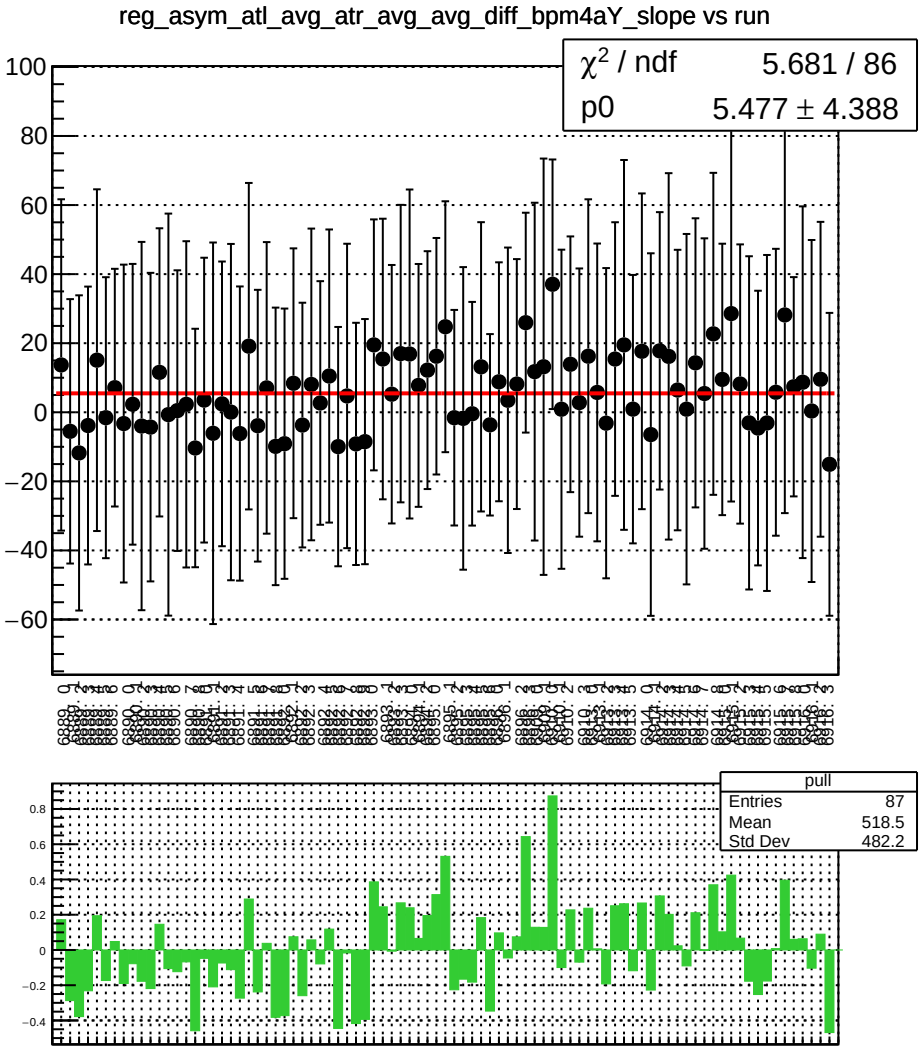

pull1D
Entries 87
Mean −0.003088
Std Dev 0.9434

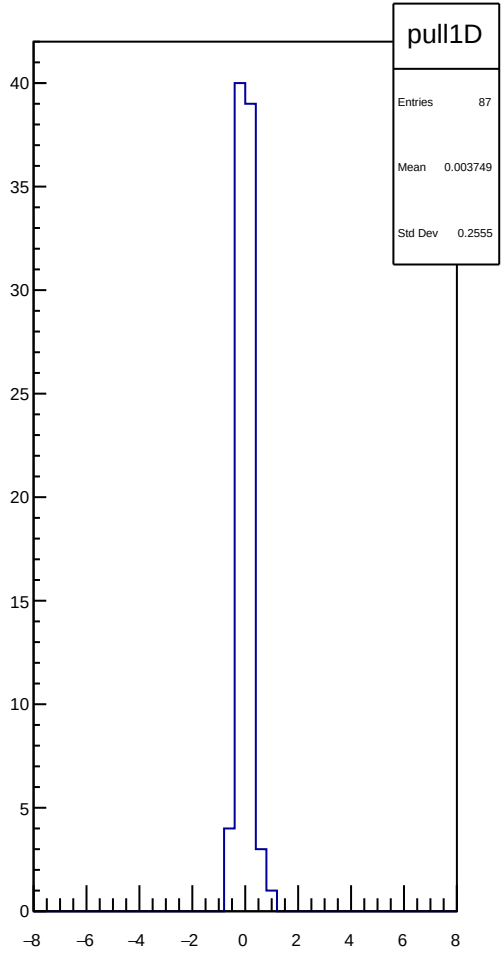

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 95.32 / 86
p0 7.793 ± 0.05636
pull
Entries 87
Mean 774.7
Std Dev 723.5


pull1D
Entries 87
Mean 0.01132
Std Dev 1.047

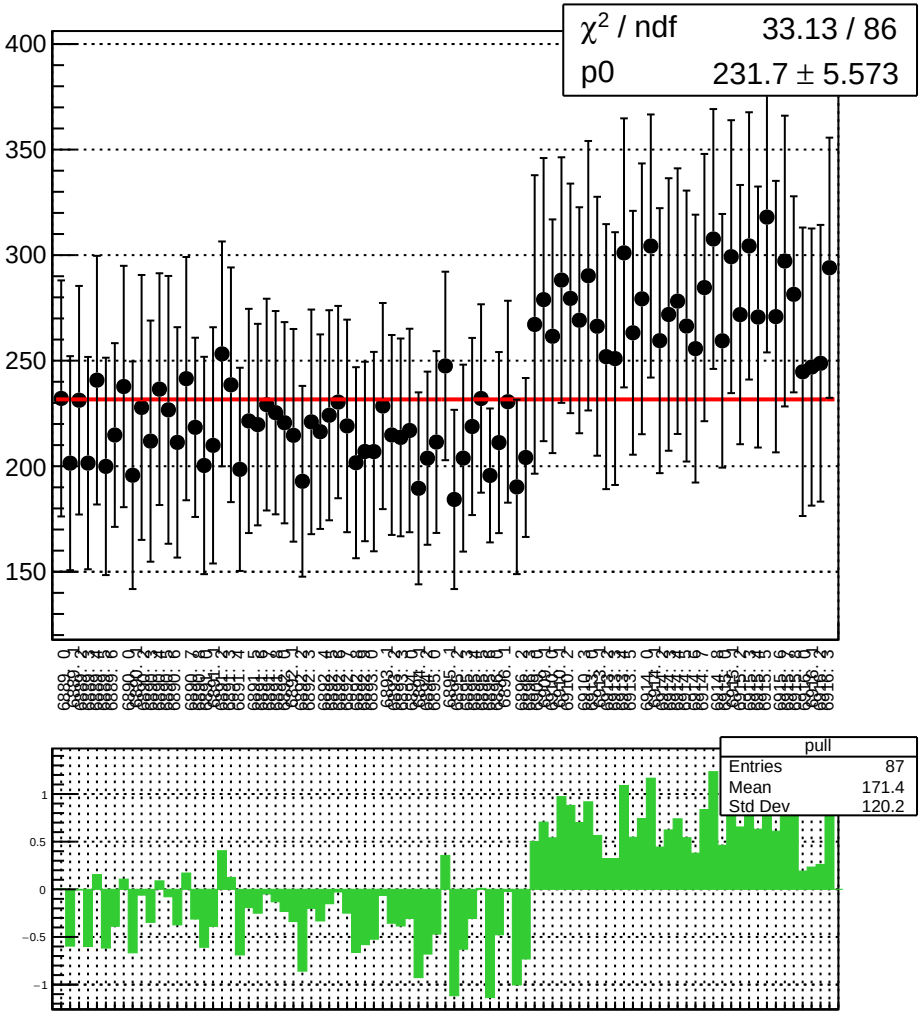

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 38.07 / 86
p0 −237.4 ± 5.817
pull
Entries 87
Mean 160.4
Std Dev 109

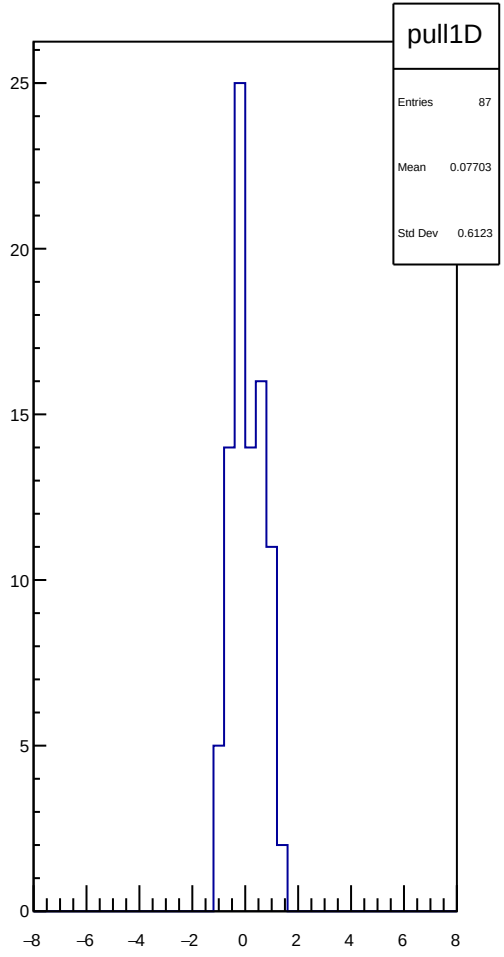

pull1D
Entries 87
Mean −0.09245
Std Dev 0.655

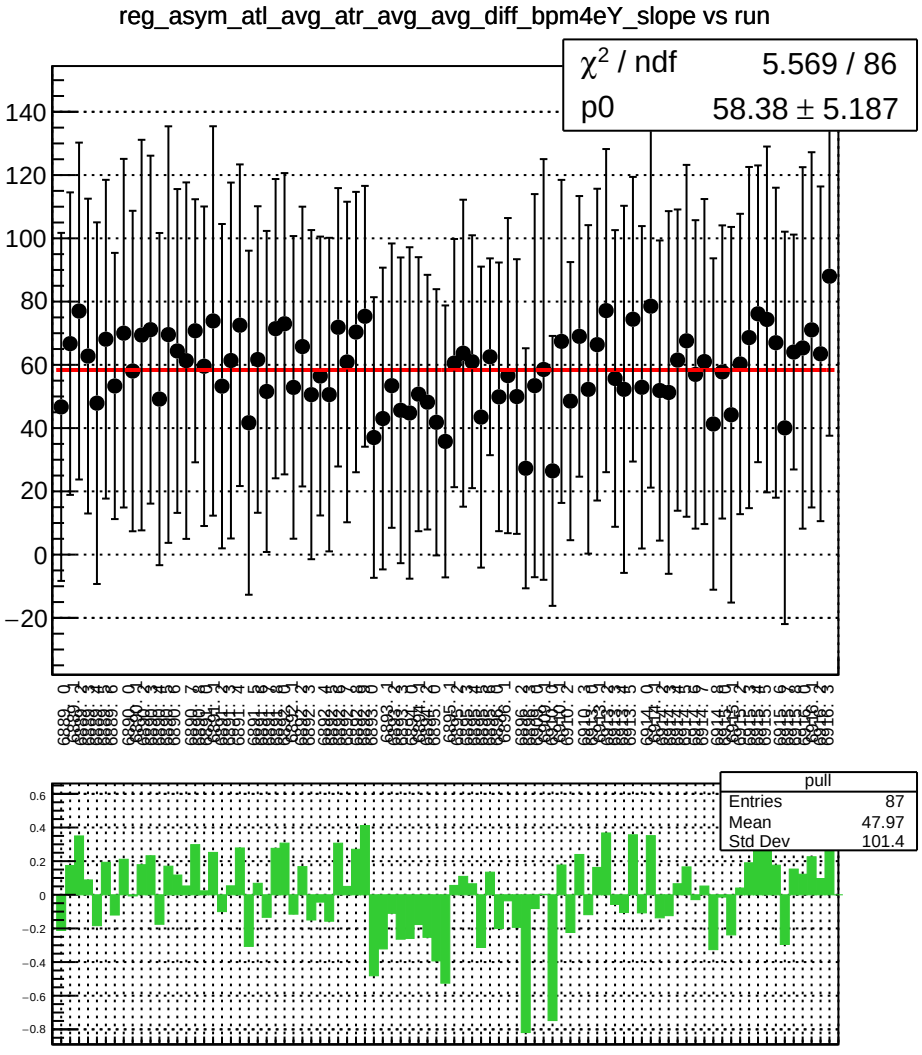

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.681 / 86
p0 5.477 ± 4.388
pull
Entries 87
Mean 518.5
Std Dev 482.2

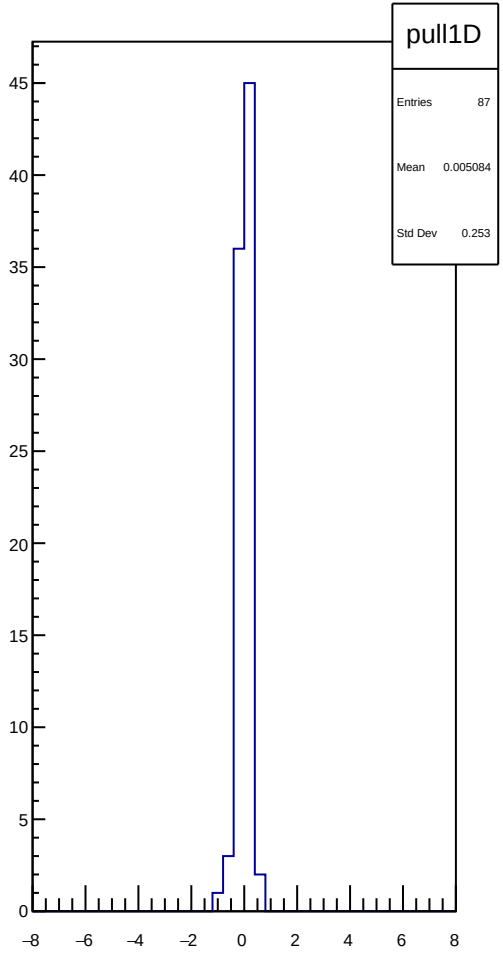

pull1D
Entries 87
Mean 0.003749
Std Dev 0.2555

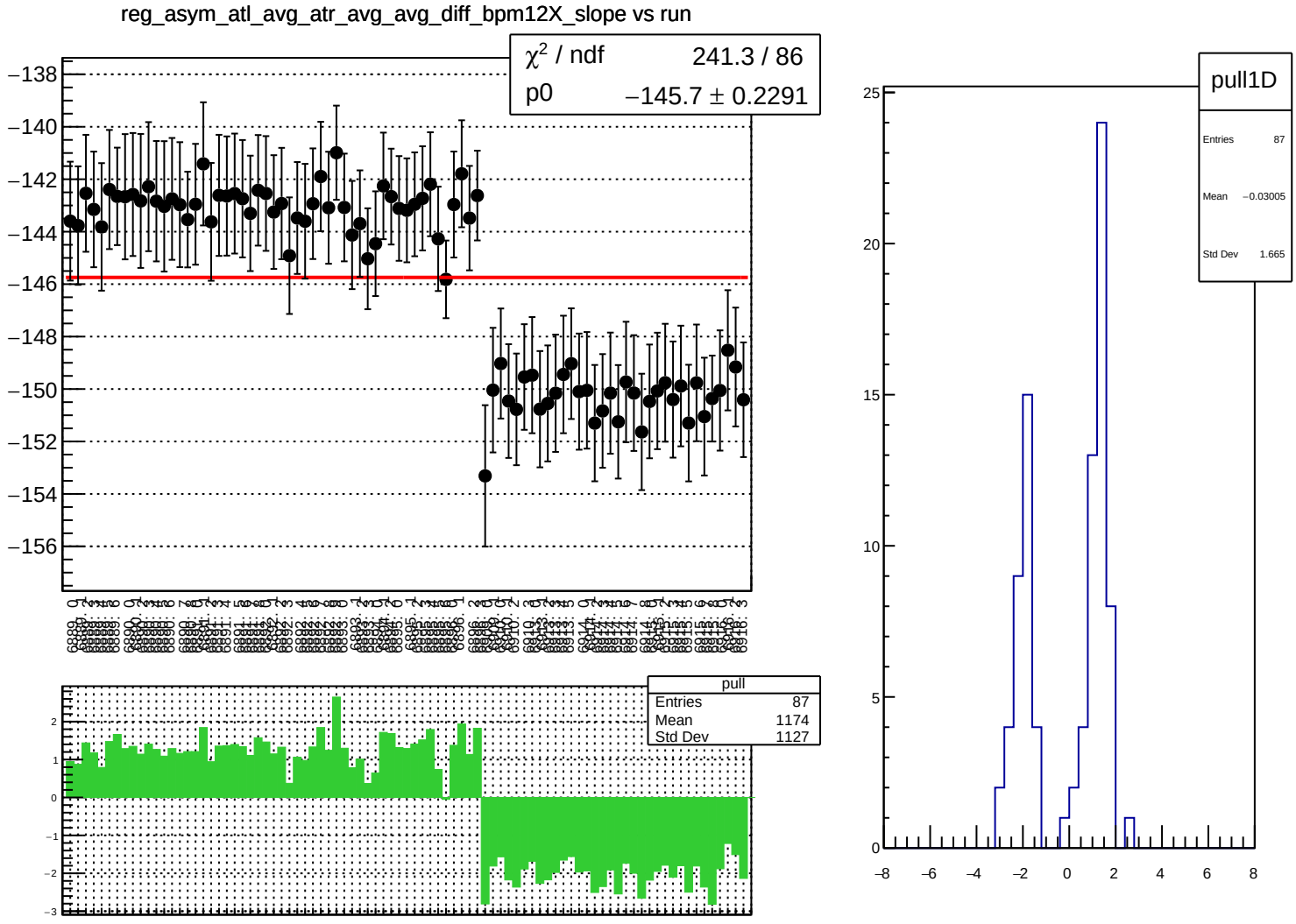
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

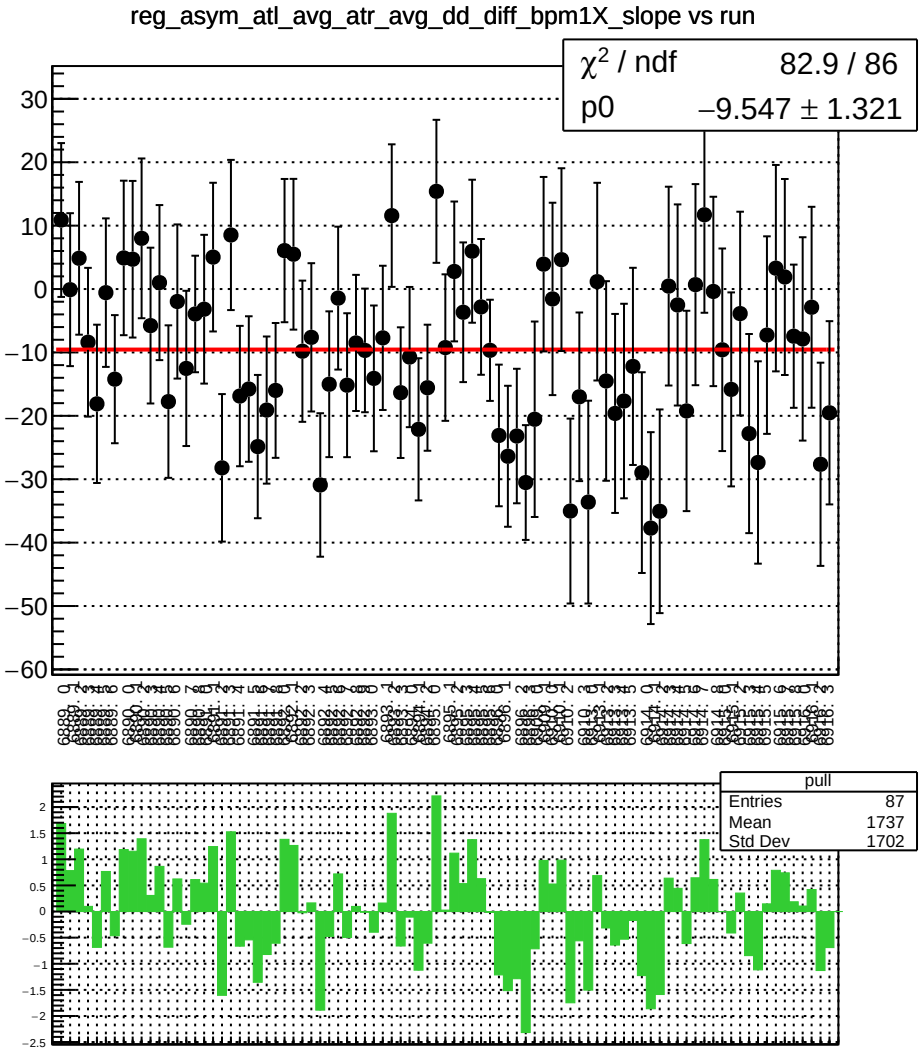


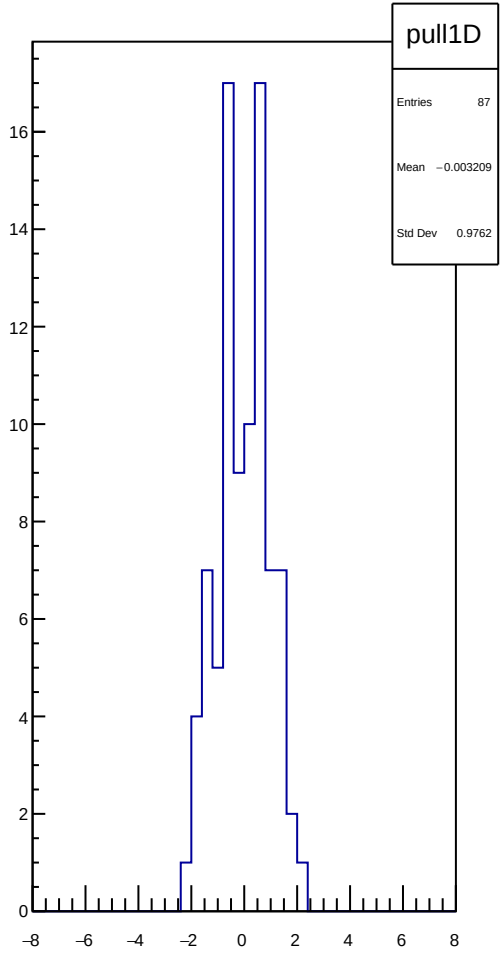


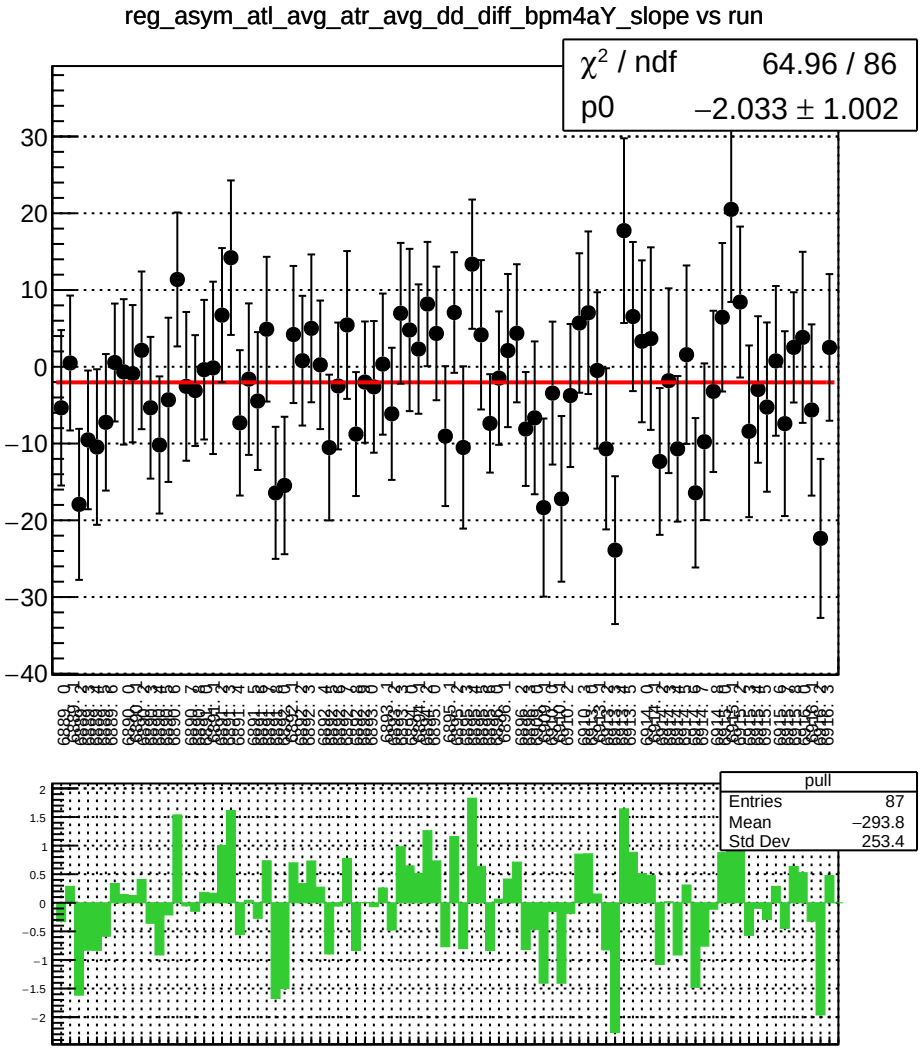

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.569 / 86
p0 58.38 ± 5.187
pull
Entries 87
Mean 47.97
Std Dev 101.4

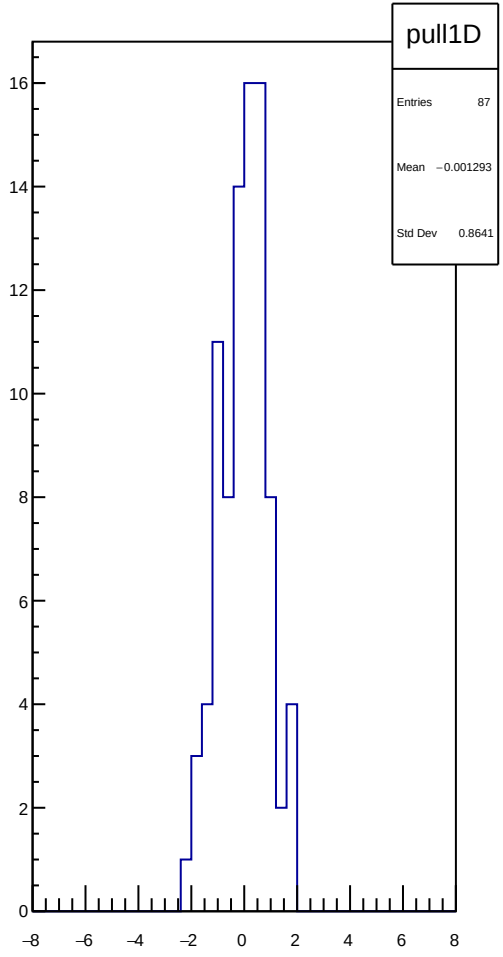

pull1D
Entries 87
Mean 0.005084
Std Dev 0.253

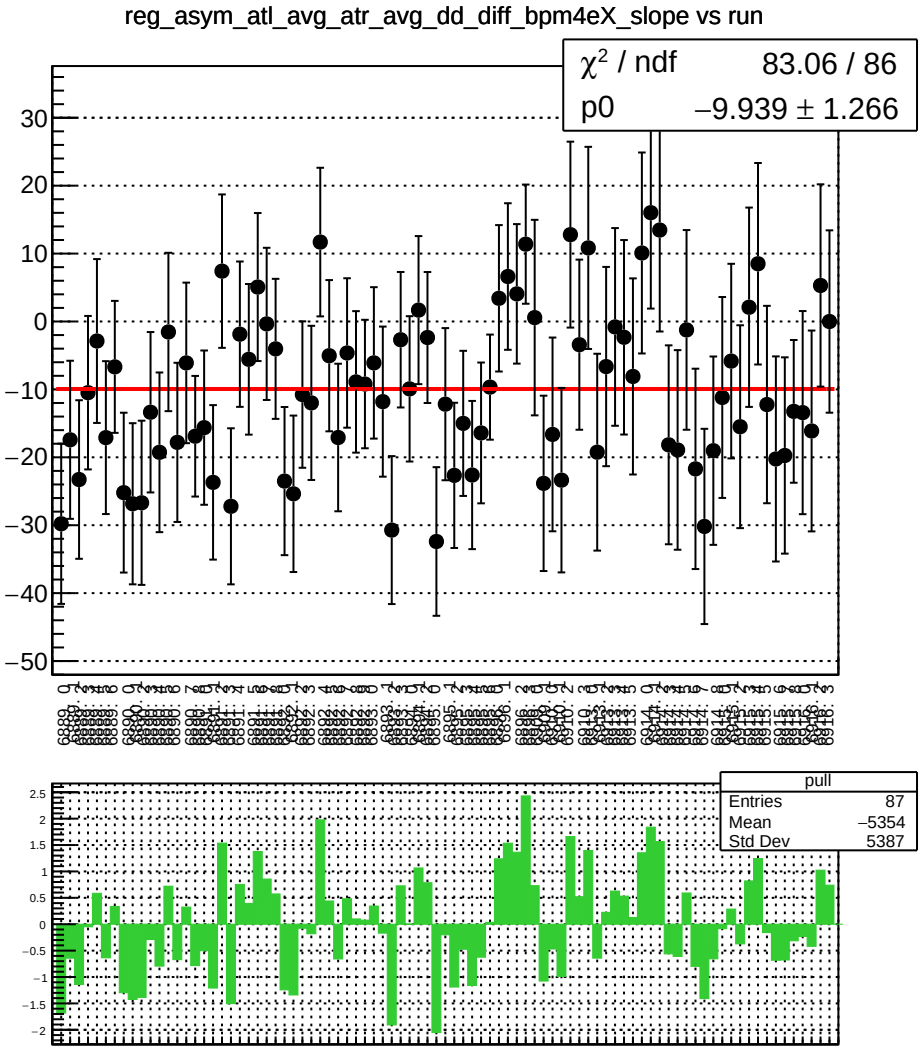

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 241.3 / 86
p0 −145.7 ± 0.2291
pull
Entries 87
Mean 1174
Std Dev 1127
pull1D
Entries 87
Mean −0.03005
Std Dev 1.665

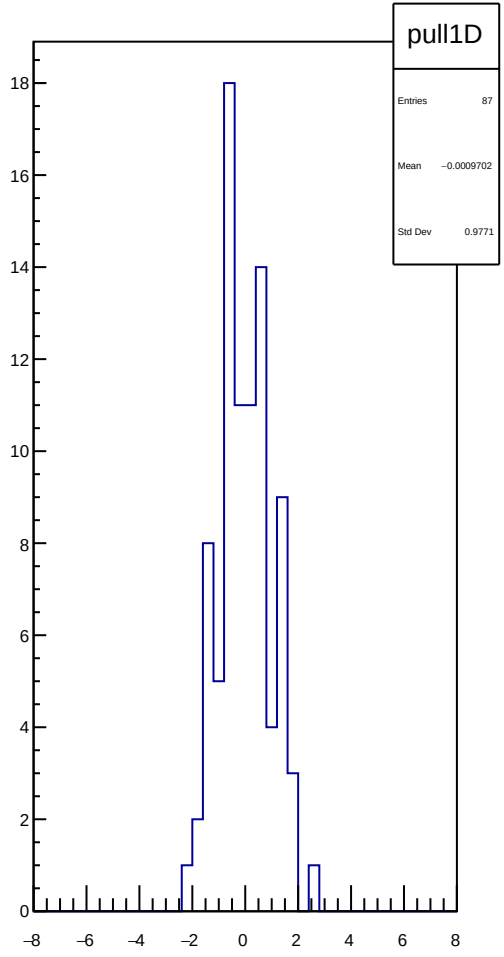

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 82.9 / 86
p0 −9.547 ± 1.321
pull
Entries 87
Mean 1737
Std Dev 1702

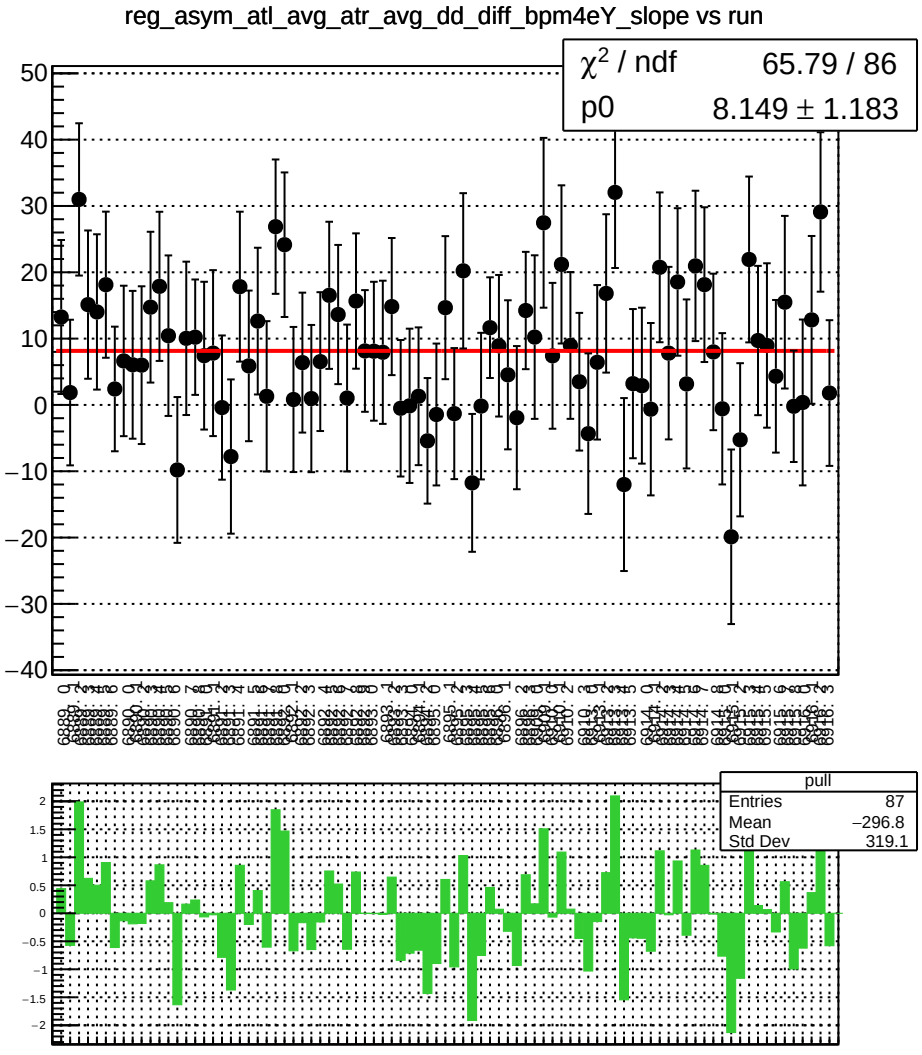

pull1D
Entries 87
Mean −0.003209
Std Dev 0.9762

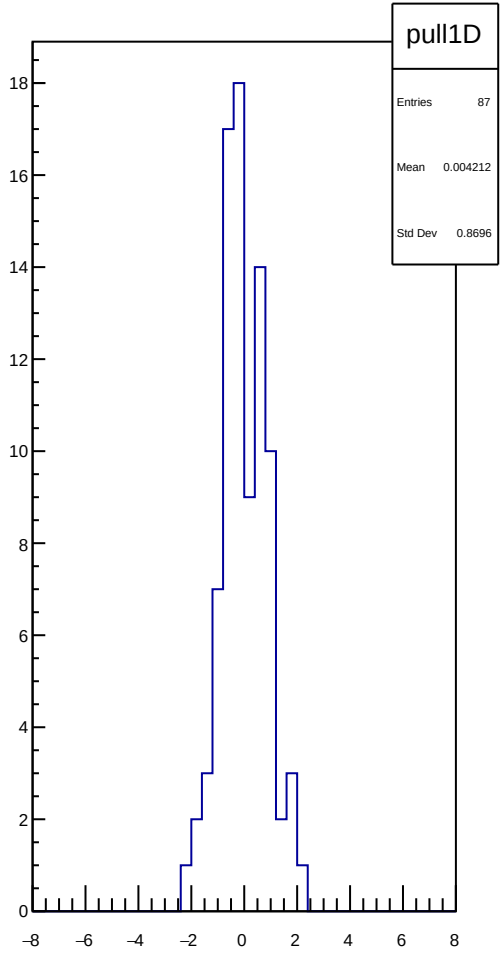

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.96 / 86
p0 −2.033 ± 1.002
pull
Entries 87
Mean −293.8
Std Dev 253.4

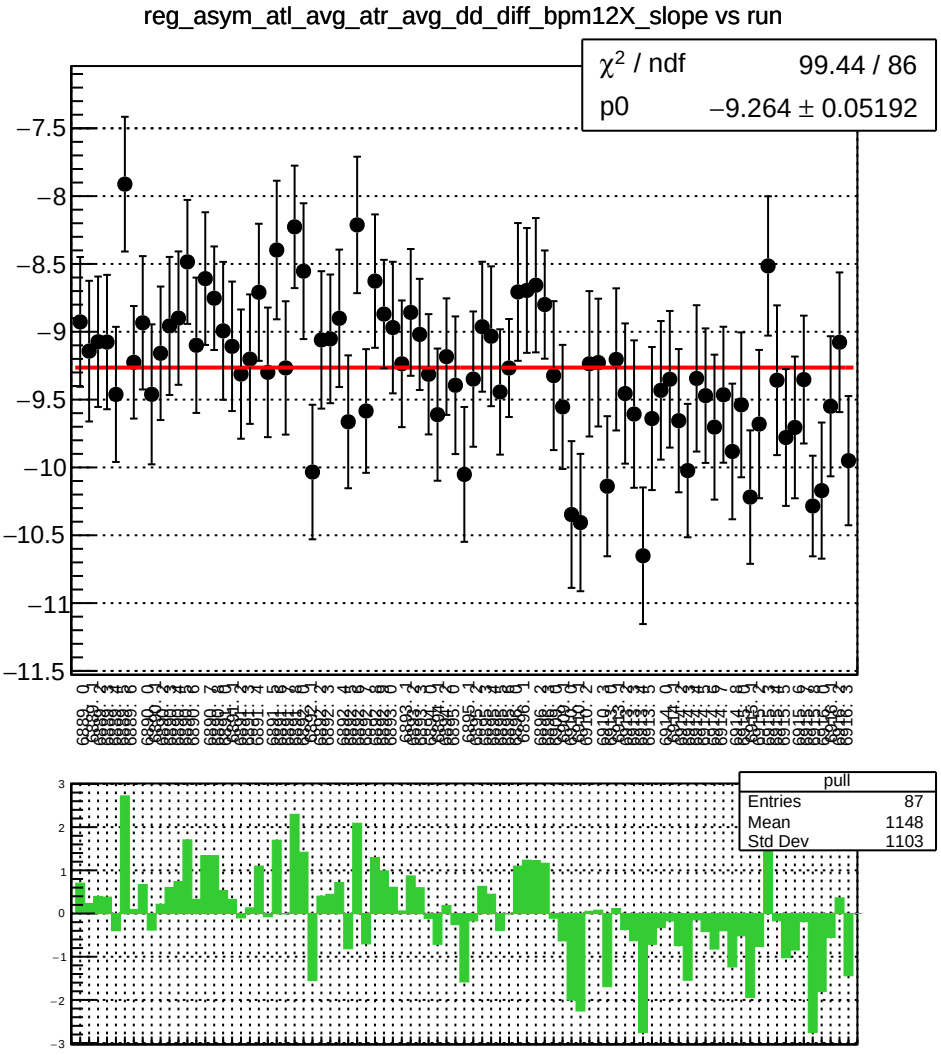

pull1D
Entries 87
Mean −0.001293
Std Dev 0.8641

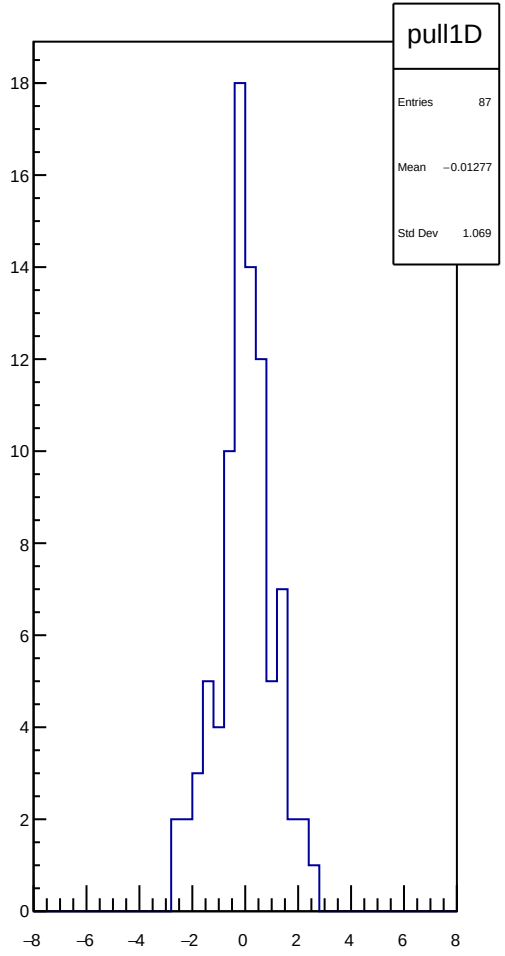

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.06 / 86
p0 −9.939 ± 1.266
pull
Entries 87
Mean −5354
Std Dev 5387

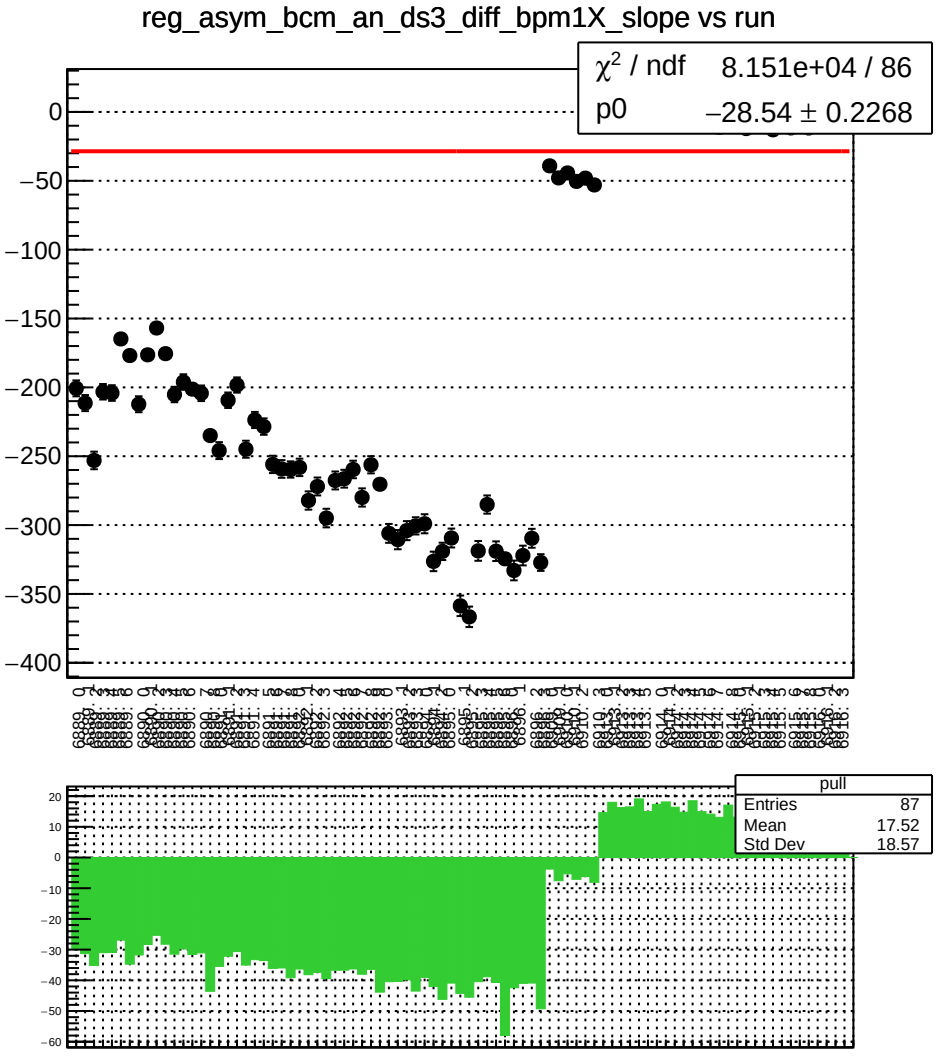

pull1D
Entries 87
Mean −0.0009702
Std Dev 0.9771

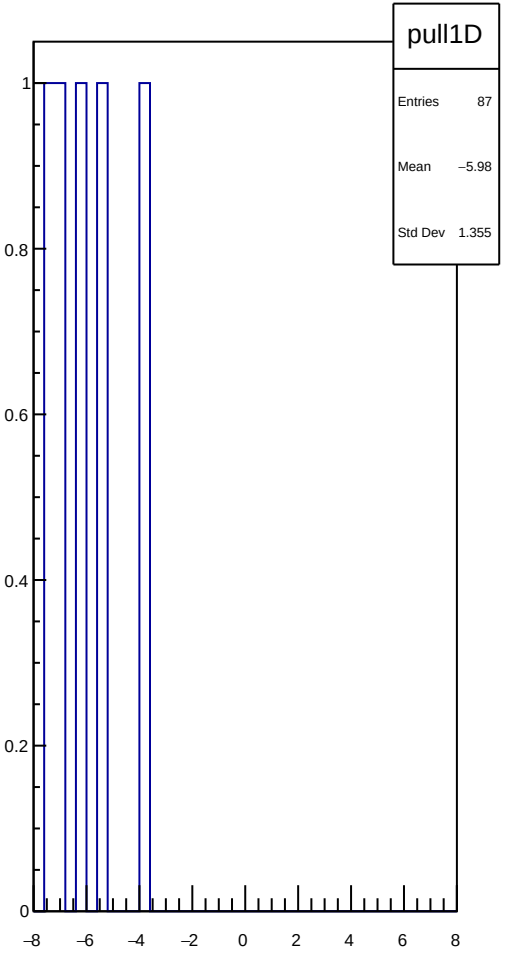

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.79 / 86
p0 8.149 ± 1.183
pull
Entries 87
Mean −296.8
Std Dev 319.1

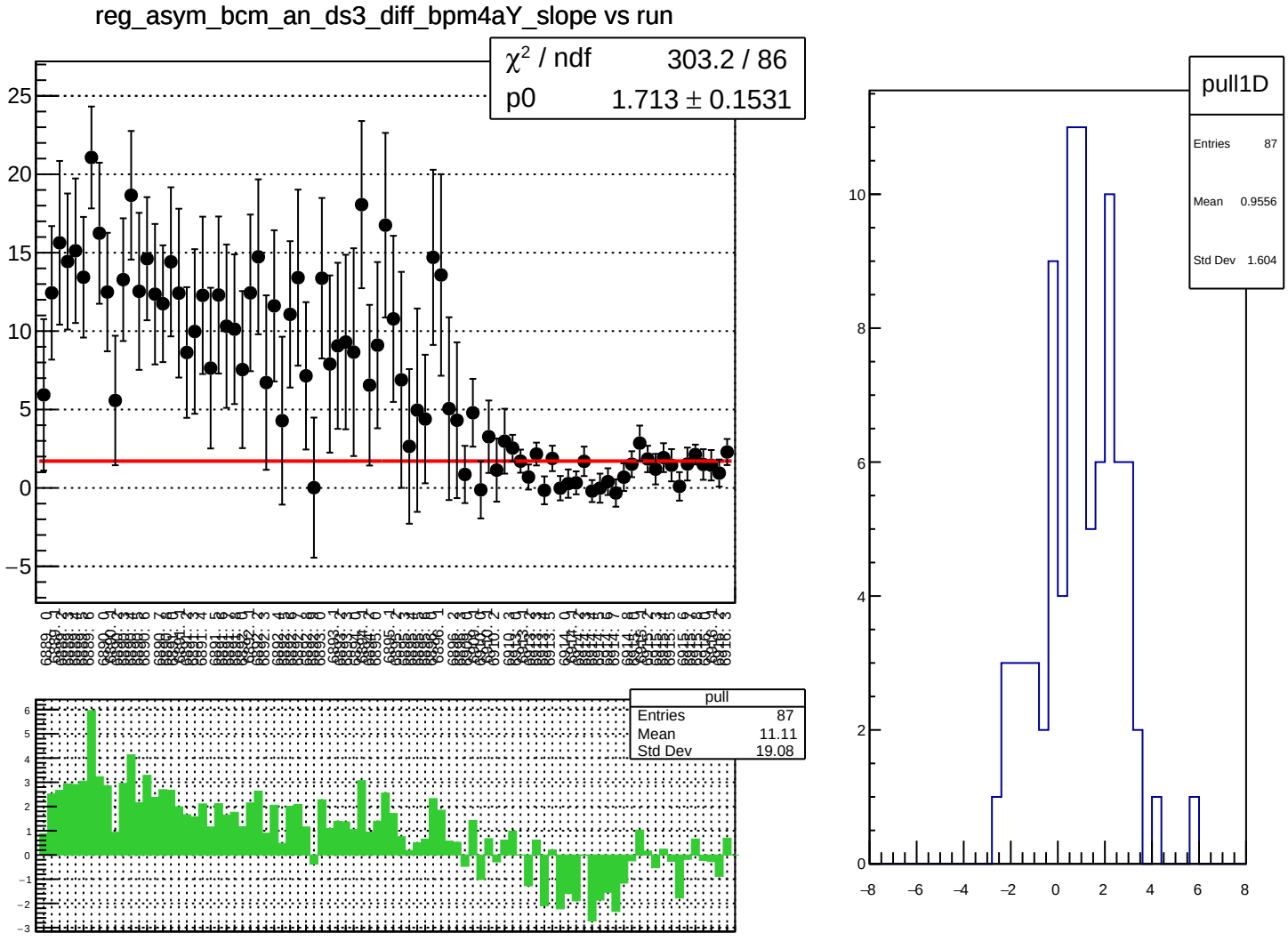

pull1D
Entries 87
Mean 0.004212
Std Dev 0.8696

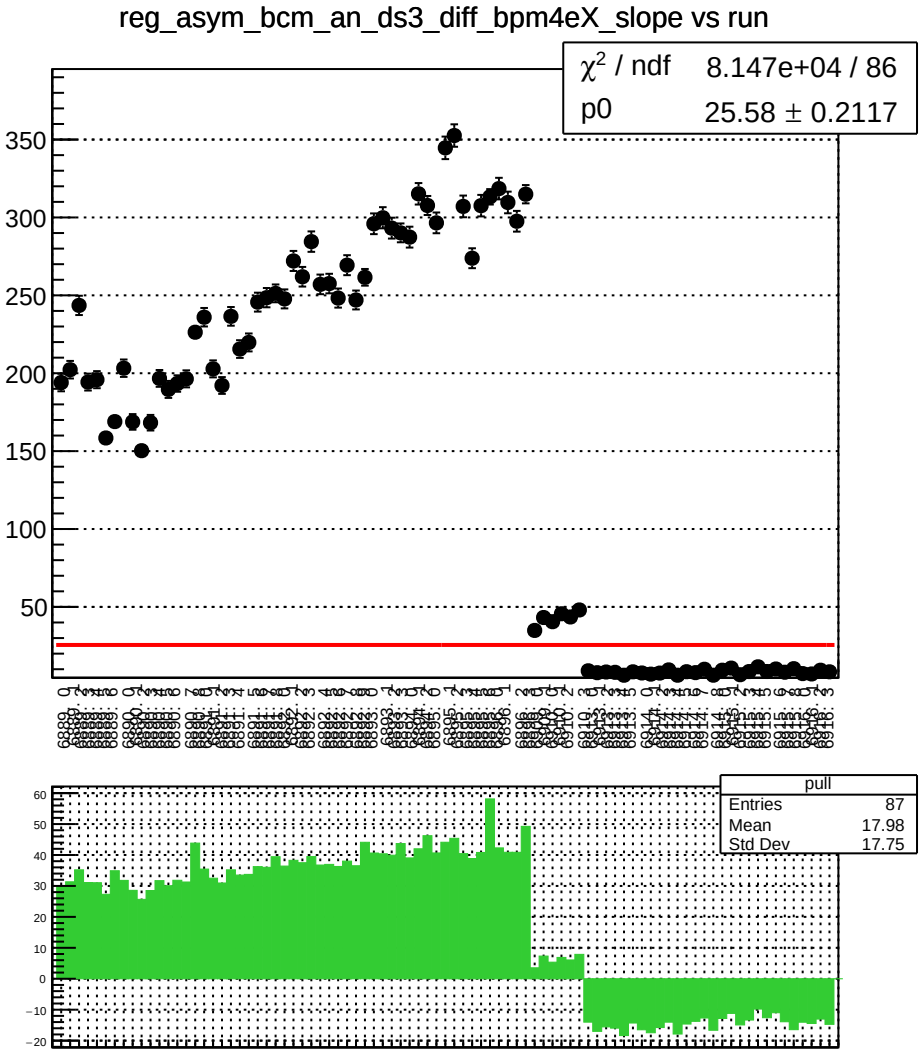

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 99.44 / 86
p0 −9.264 ± 0.05192
pull
Entries 87
Mean 1148
Std Dev 1103

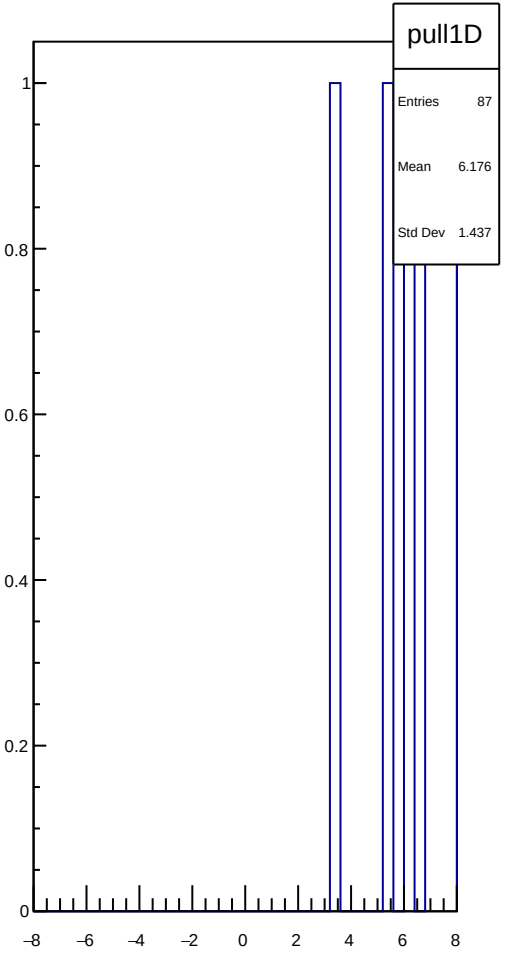

pull1D
Entries 87
Mean −0.01277
Std Dev 1.069

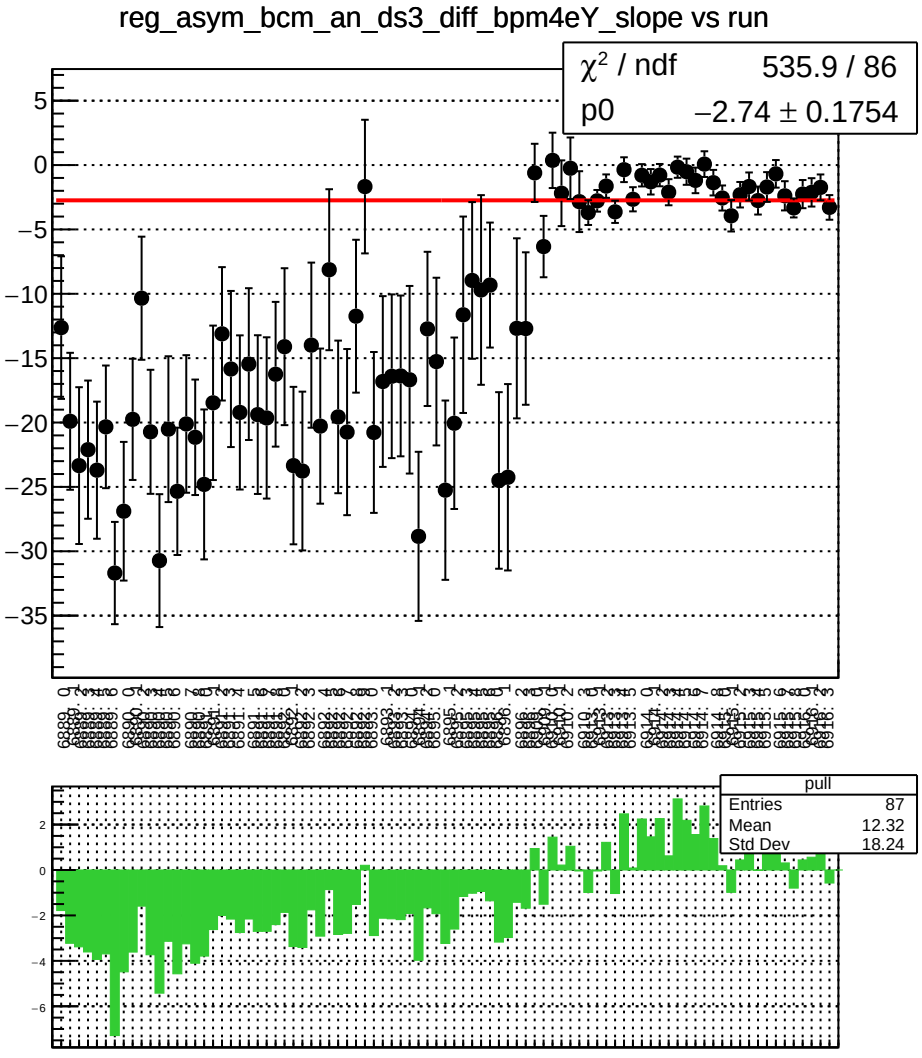

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 8.151e+04 / 86
p0 −28.54 ± 0.2268
pull
Entries 87
Mean 17.52
Std Dev 18.57

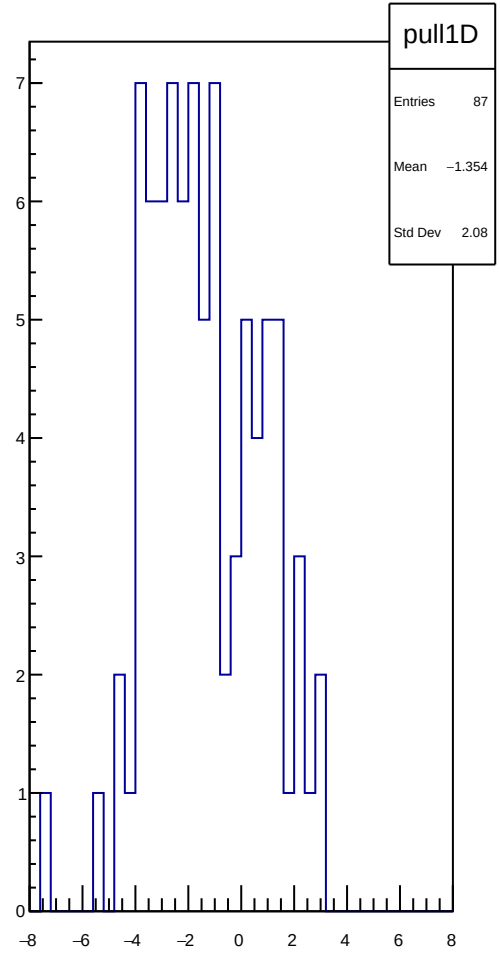

pull1D
Entries 87
Mean −5.98
Std Dev 1.355

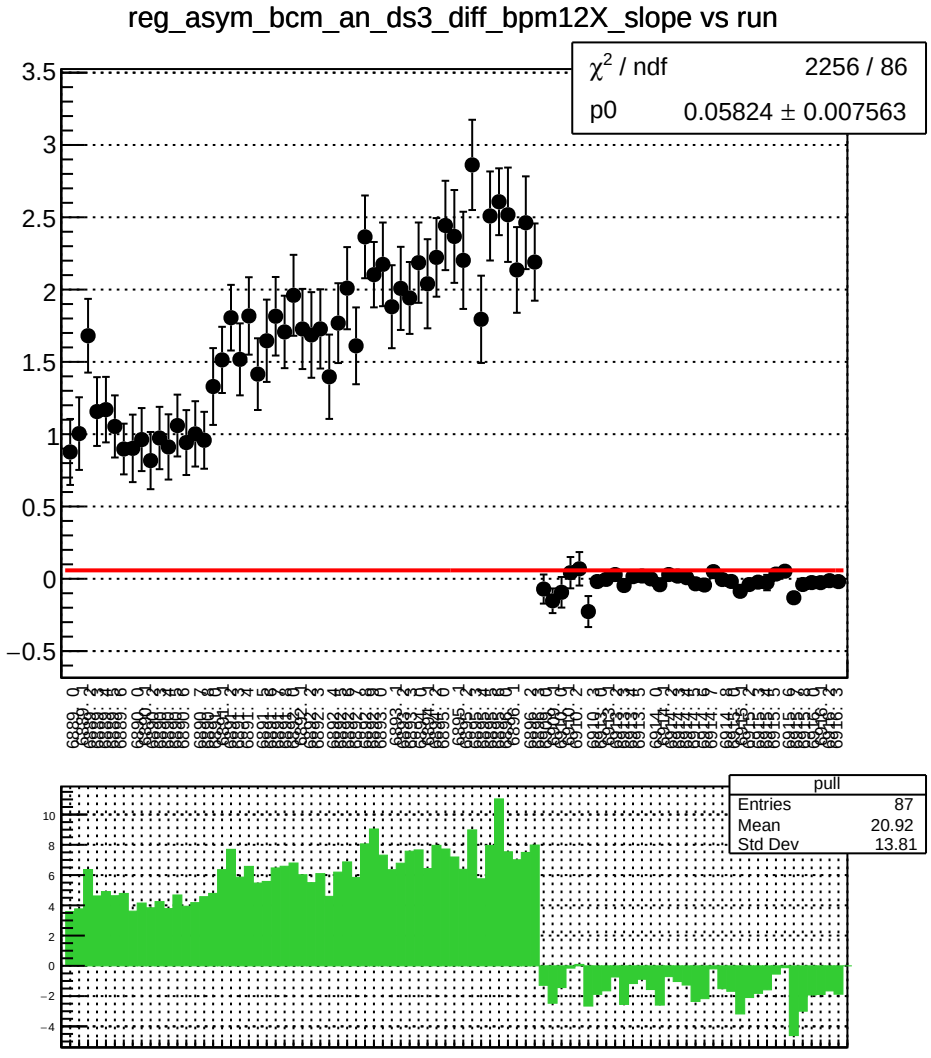

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 303.2 / 86
p0 1.713 ± 0.1531
pull
Entries 87
Mean 11.11
Std Dev 19.08
pull1D
Entries 87
Mean 0.9556
Std Dev 1.604

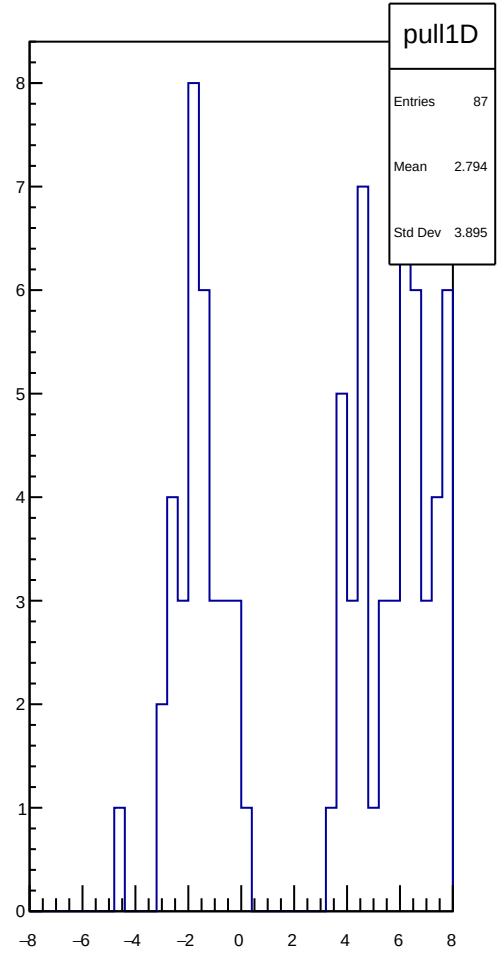

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 8.147e+04 / 86
p0 25.58 ± 0.2117
pull
Entries 87
Mean 17.98
Std Dev 17.75

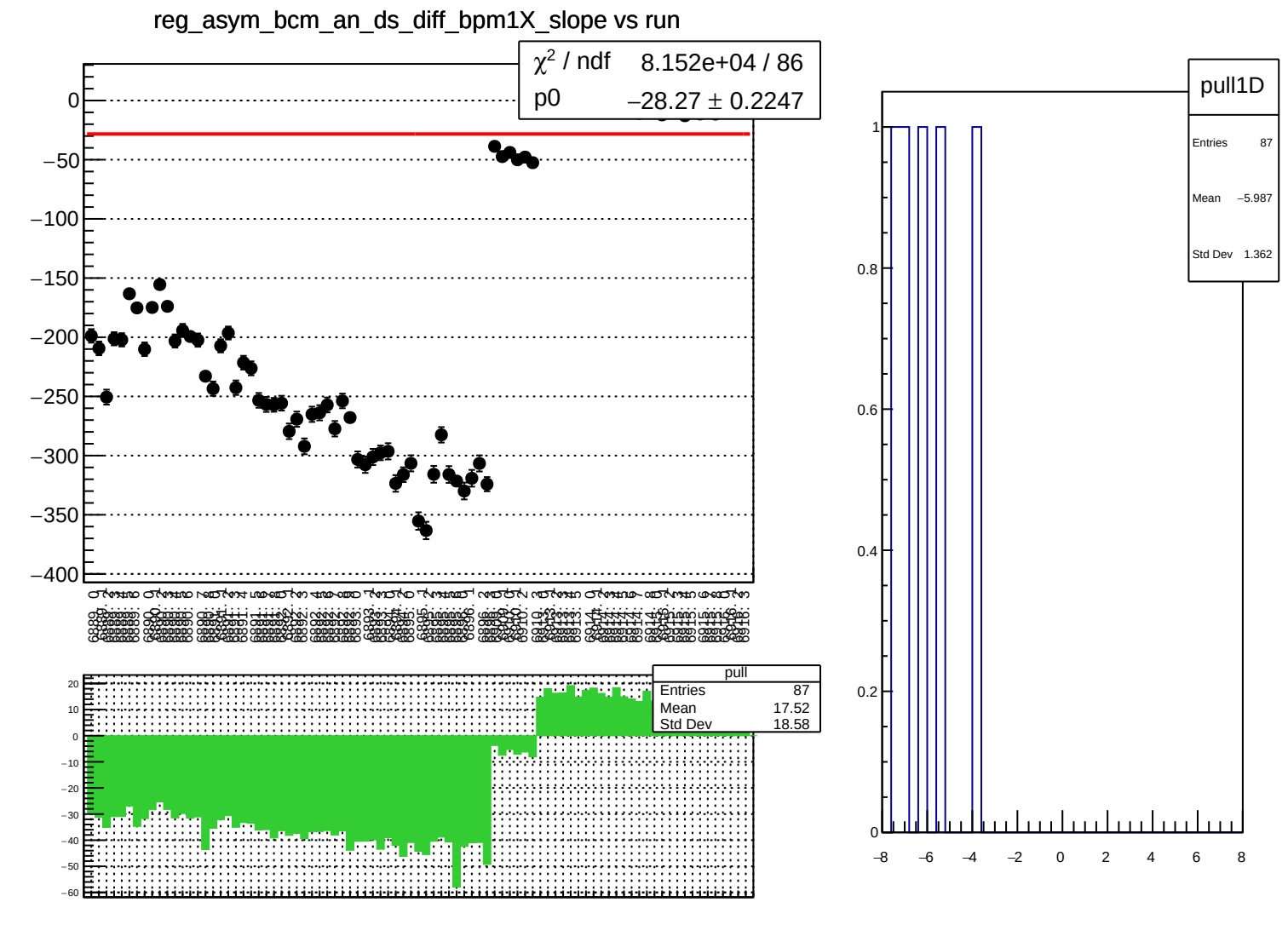

pull1D
Entries 87
Mean 6.176
Std Dev 1.437

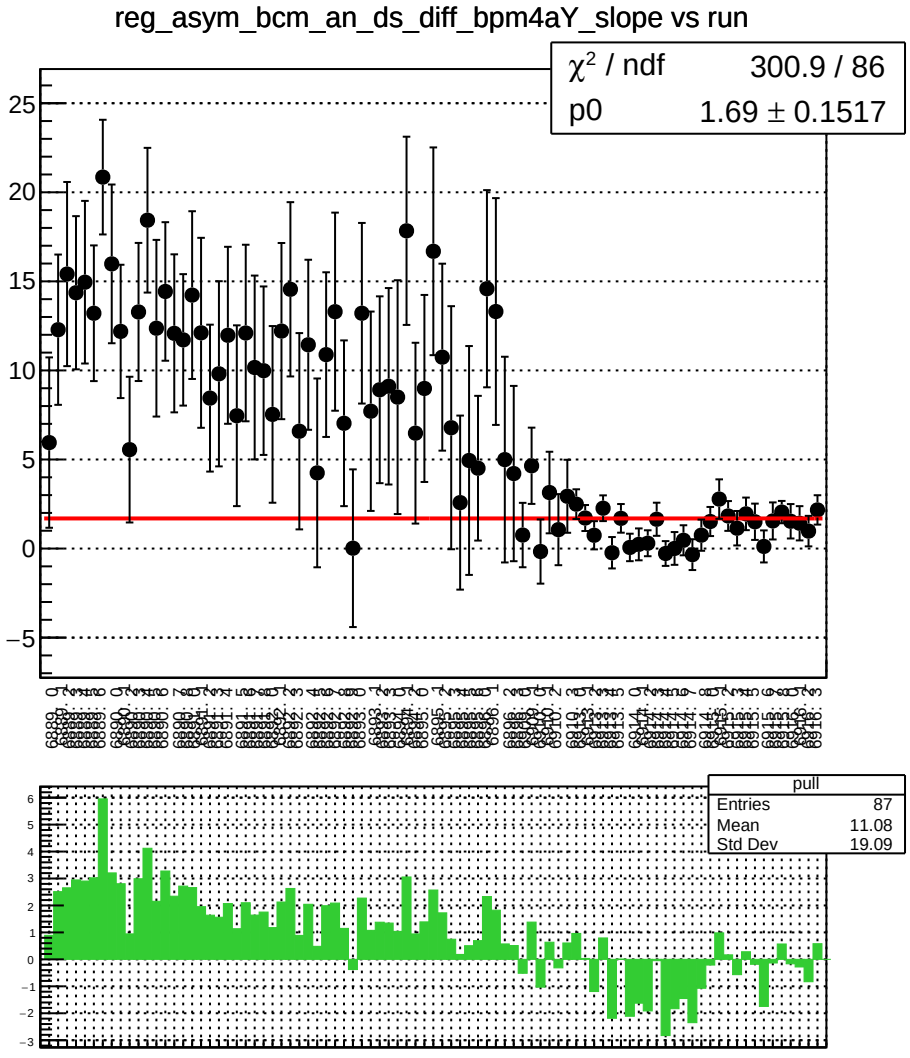

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 535.9 / 86
p0 −2.74 ± 0.1754
pull
Entries 87
Mean 12.32
Std Dev 18.24

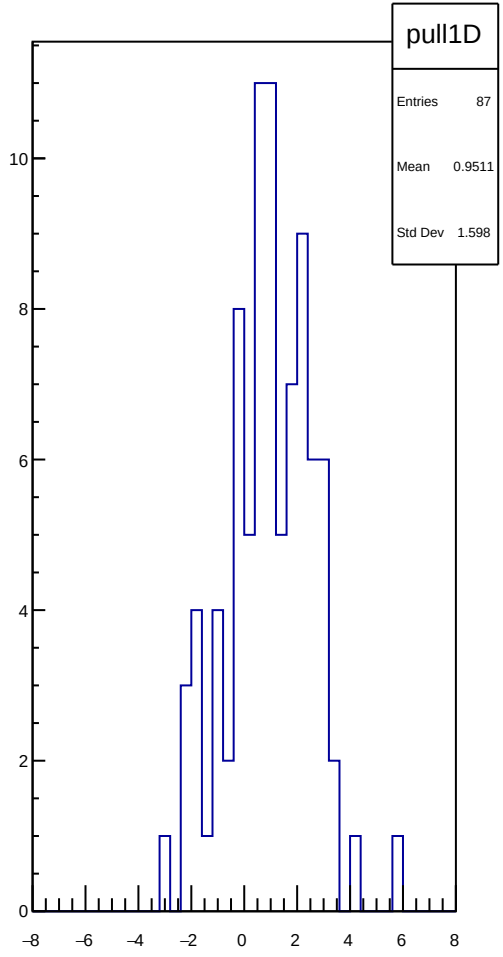

pull1D
Entries 87
Mean −1.354
Std Dev 2.08

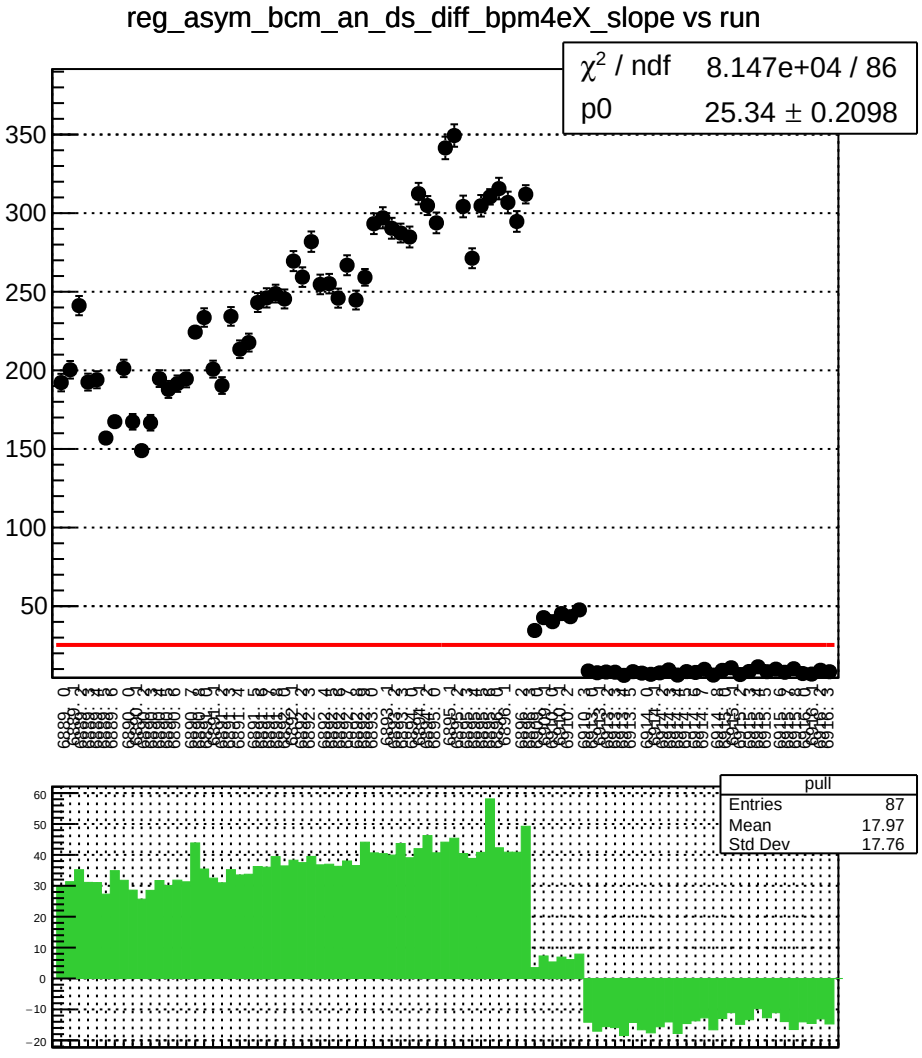

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 2256 / 86
p0 0.05824 ± 0.007563
pull
Entries 87
Mean 20.92
Std Dev 13.81

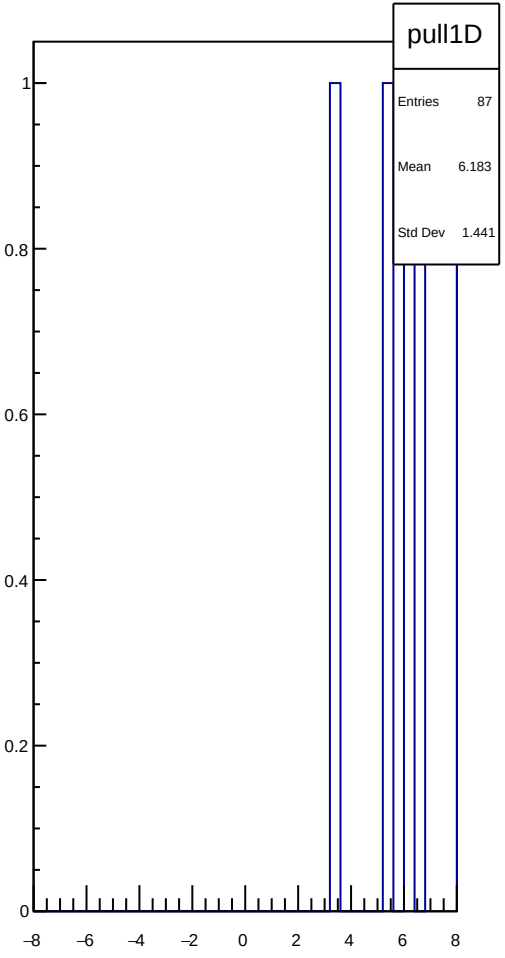

pull1D
Entries 87
Mean 2.794
Std Dev 3.895

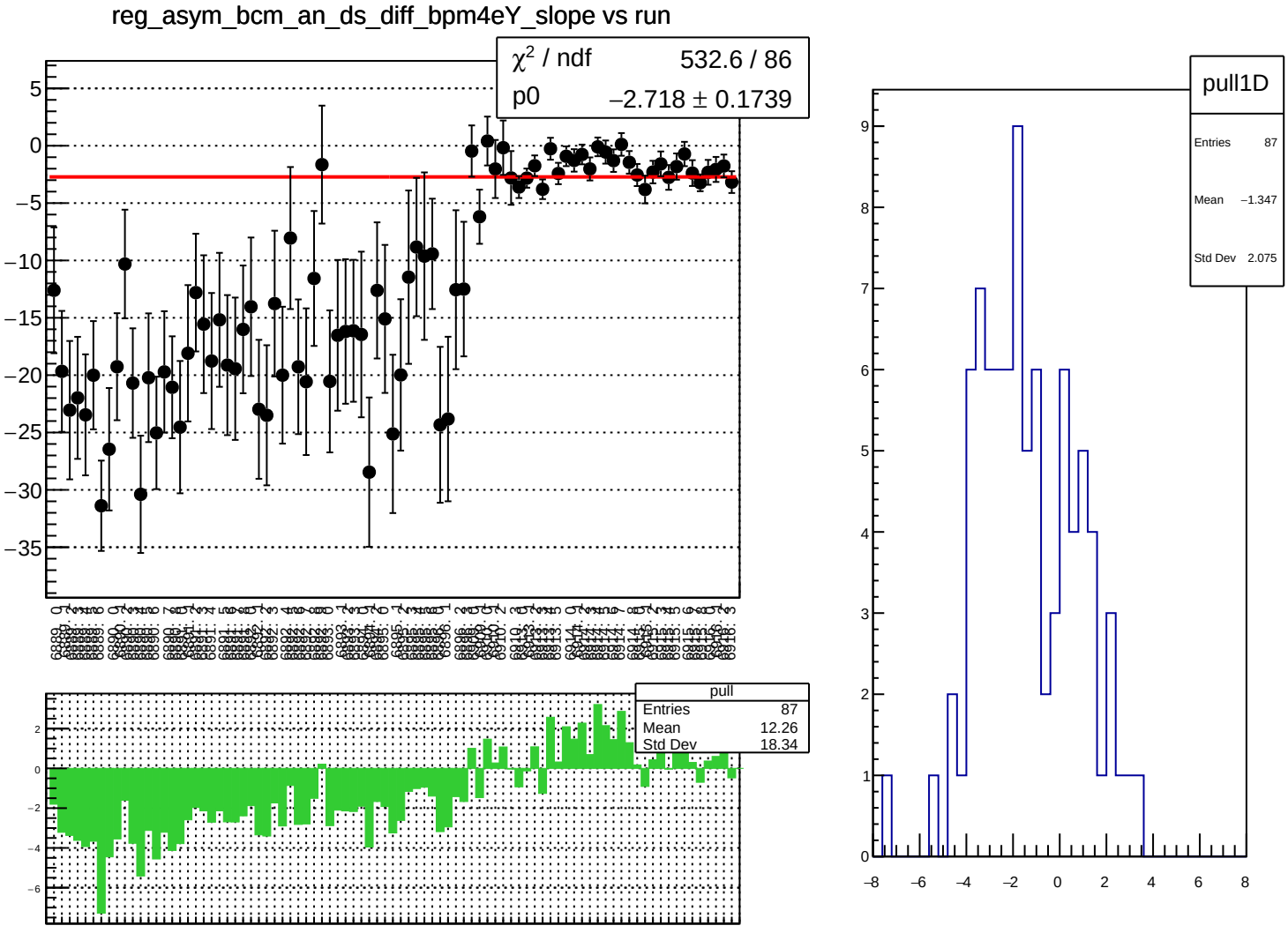

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 8.152e+04 / 86
p0 −28.27 ± 0.2247
pull
Entries 87
Mean 17.52
Std Dev 18.58
pull1D
Entries 87
Mean −5.987
Std Dev 1.362

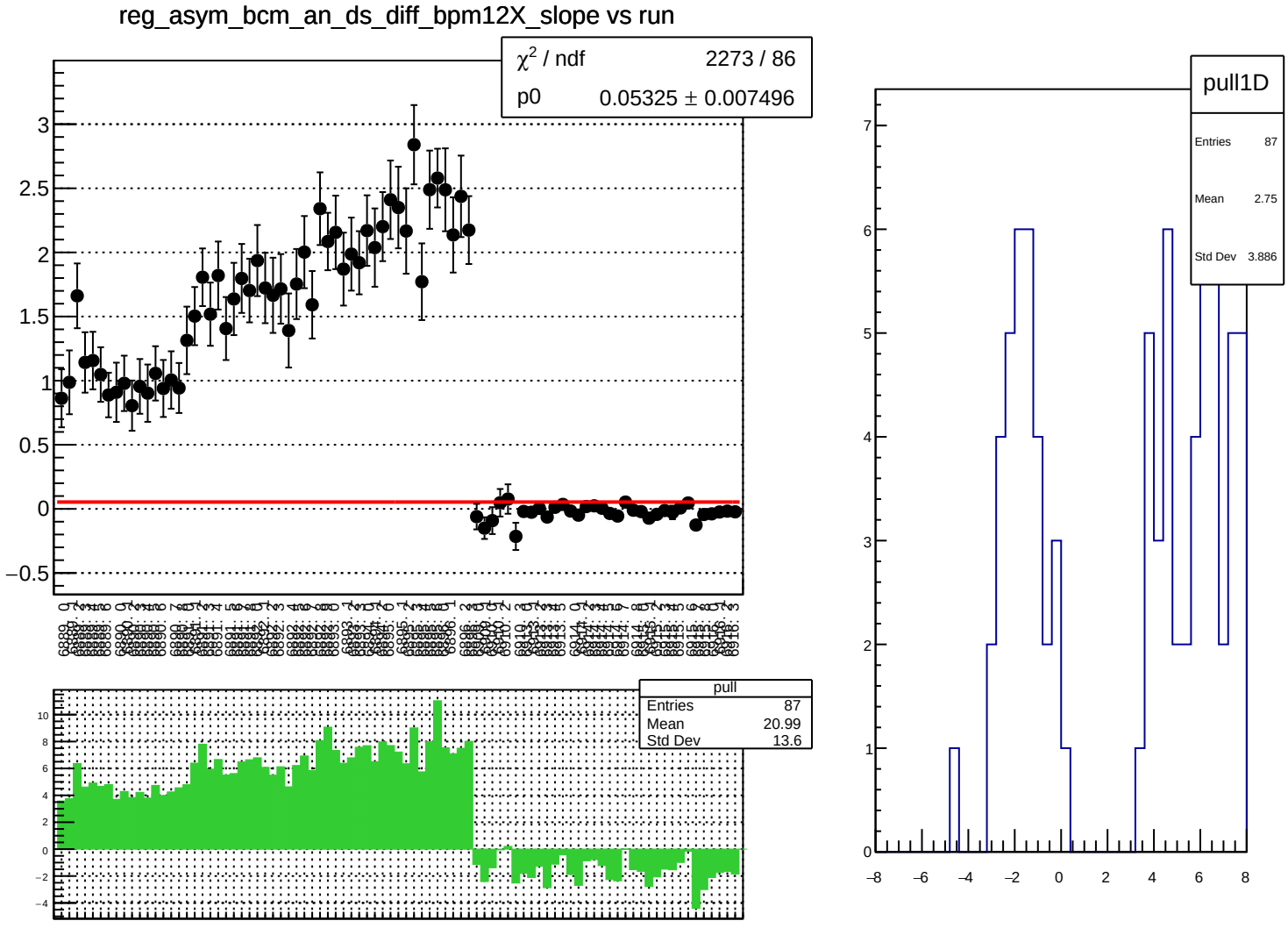

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 300.9 / 86
p0 1.69 ± 0.1517
pull
Entries 87
Mean 11.08
Std Dev 19.09

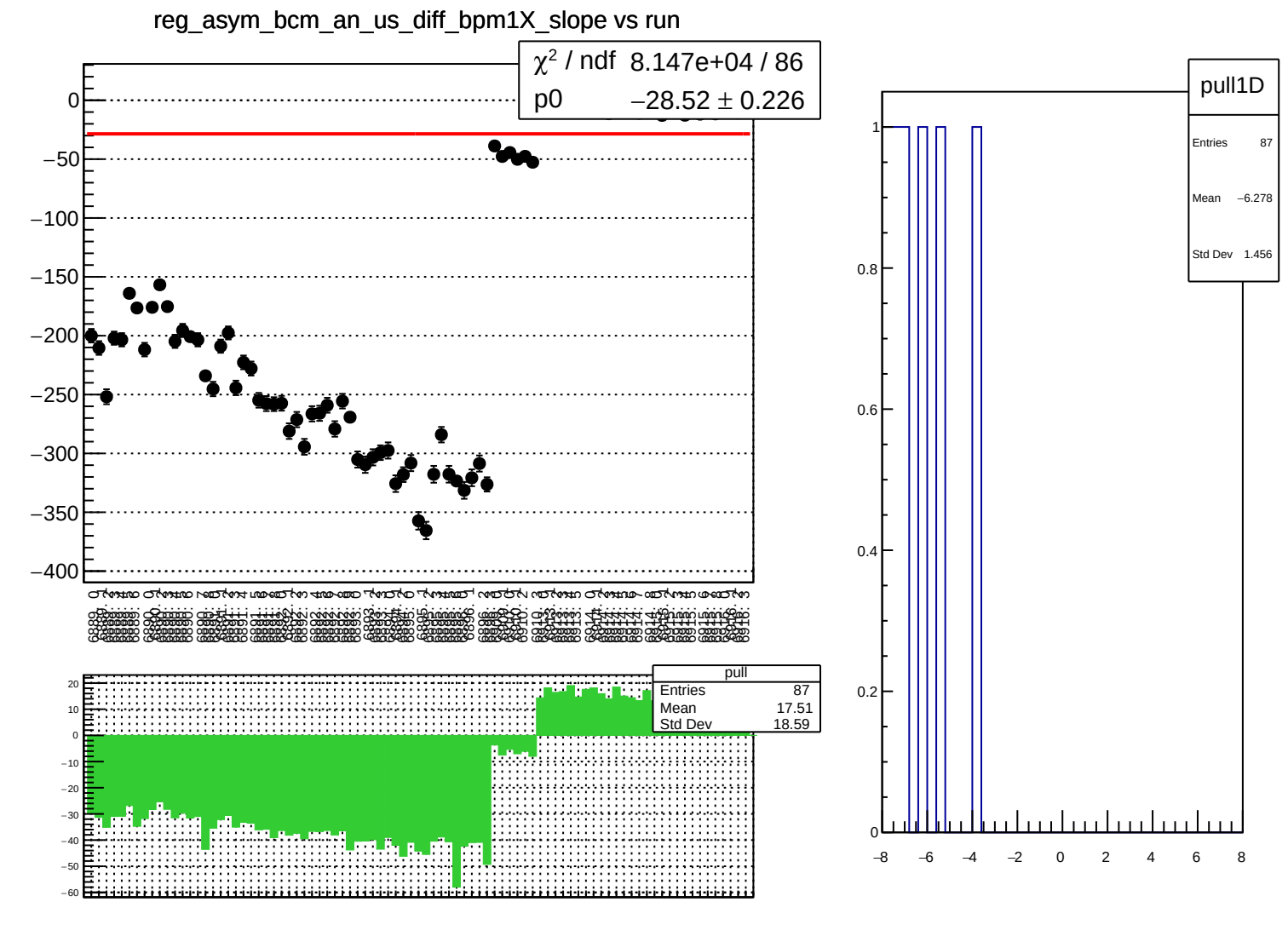

pull1D
Entries 87
Mean 0.9511
Std Dev 1.598

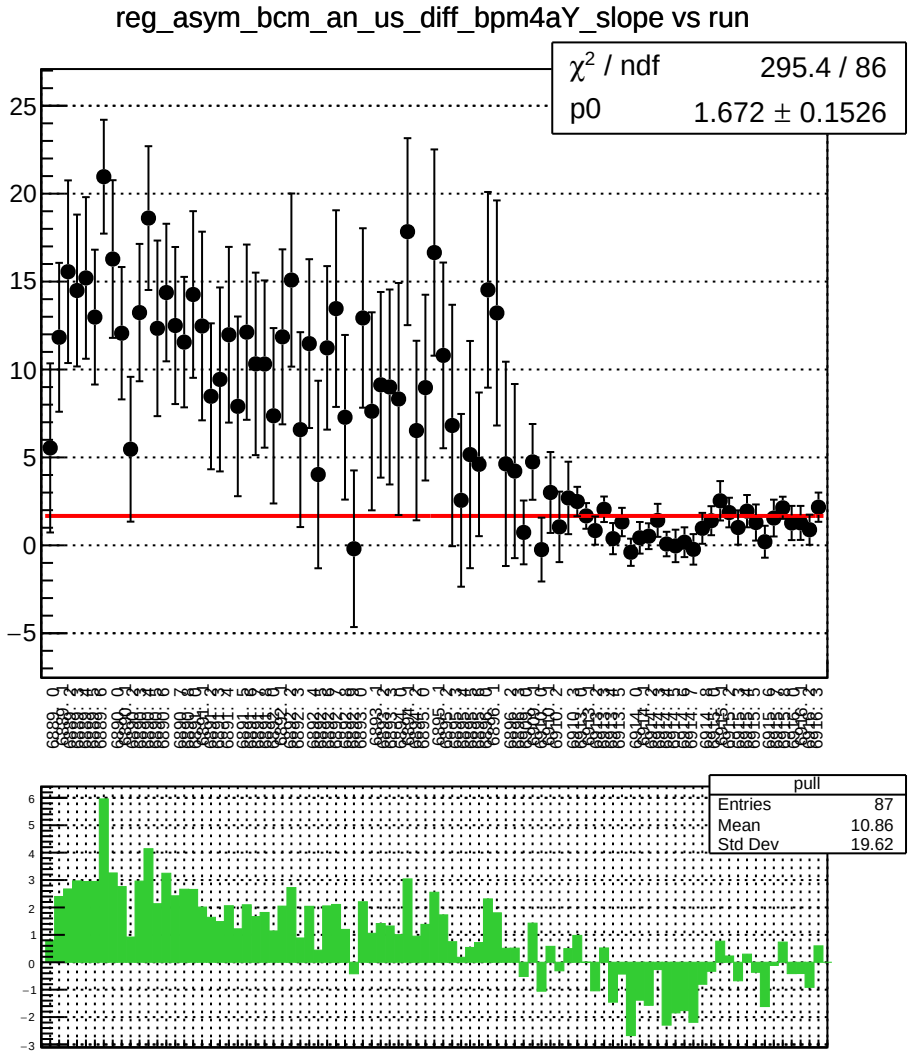

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 8.147e+04 / 86
p0 25.34 ± 0.2098
pull
Entries 87
Mean 17.97
Std Dev 17.76

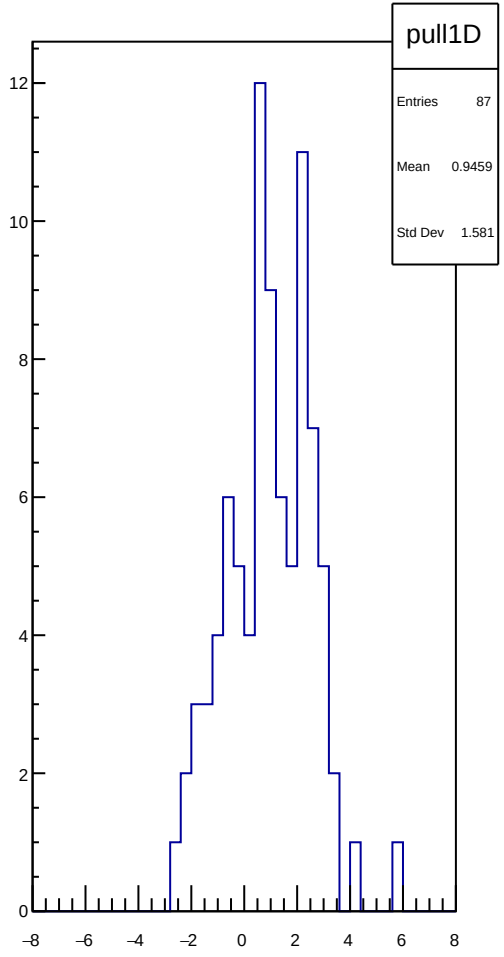

pull1D
Entries 87
Mean 6.183
Std Dev 1.441

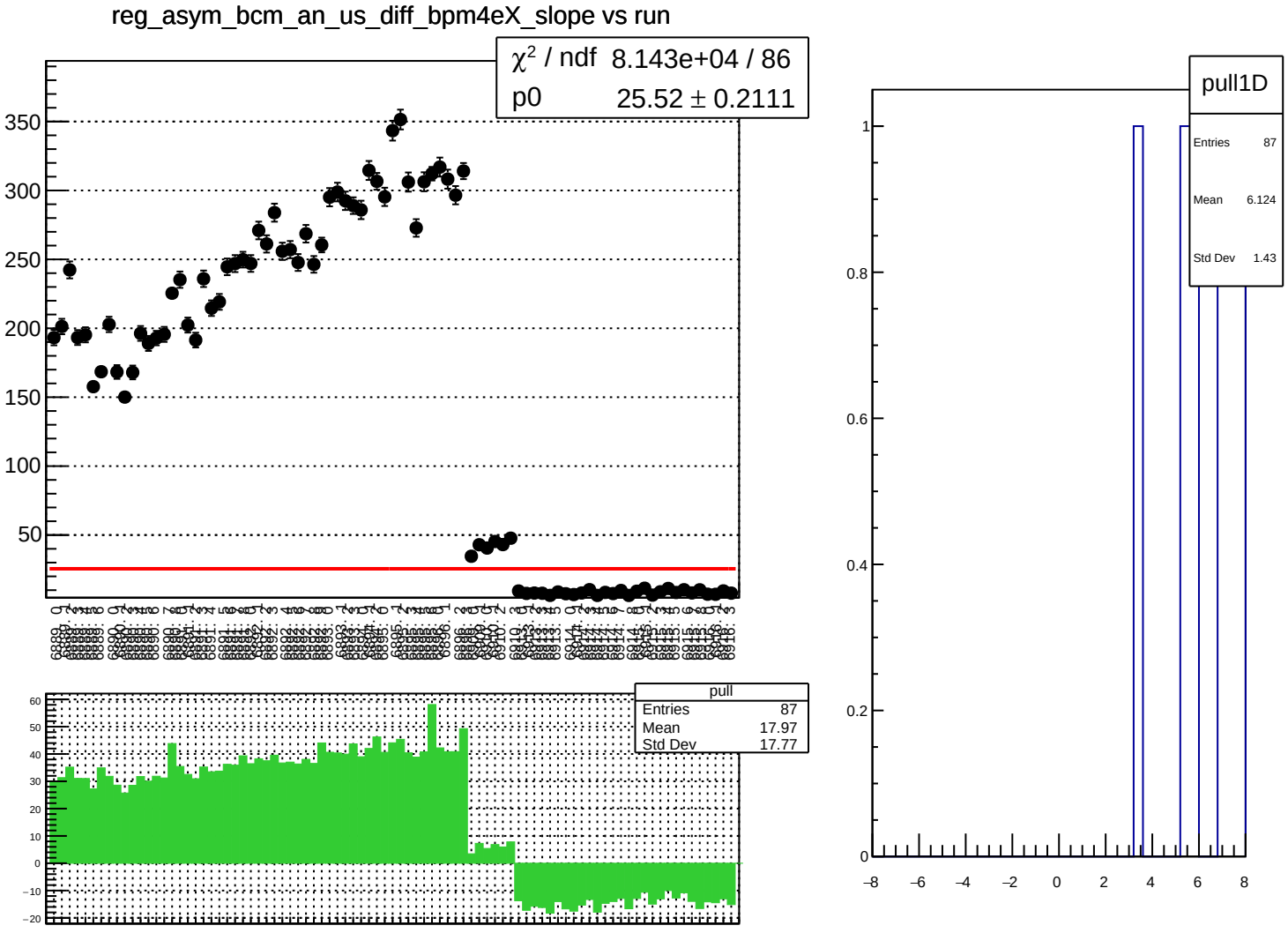

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 532.6 / 86
p0 −2.718 ± 0.1739
pull
Entries 87
Mean 12.26
Std Dev 18.34
pull1D
Entries 87
Mean −1.347
Std Dev 2.075

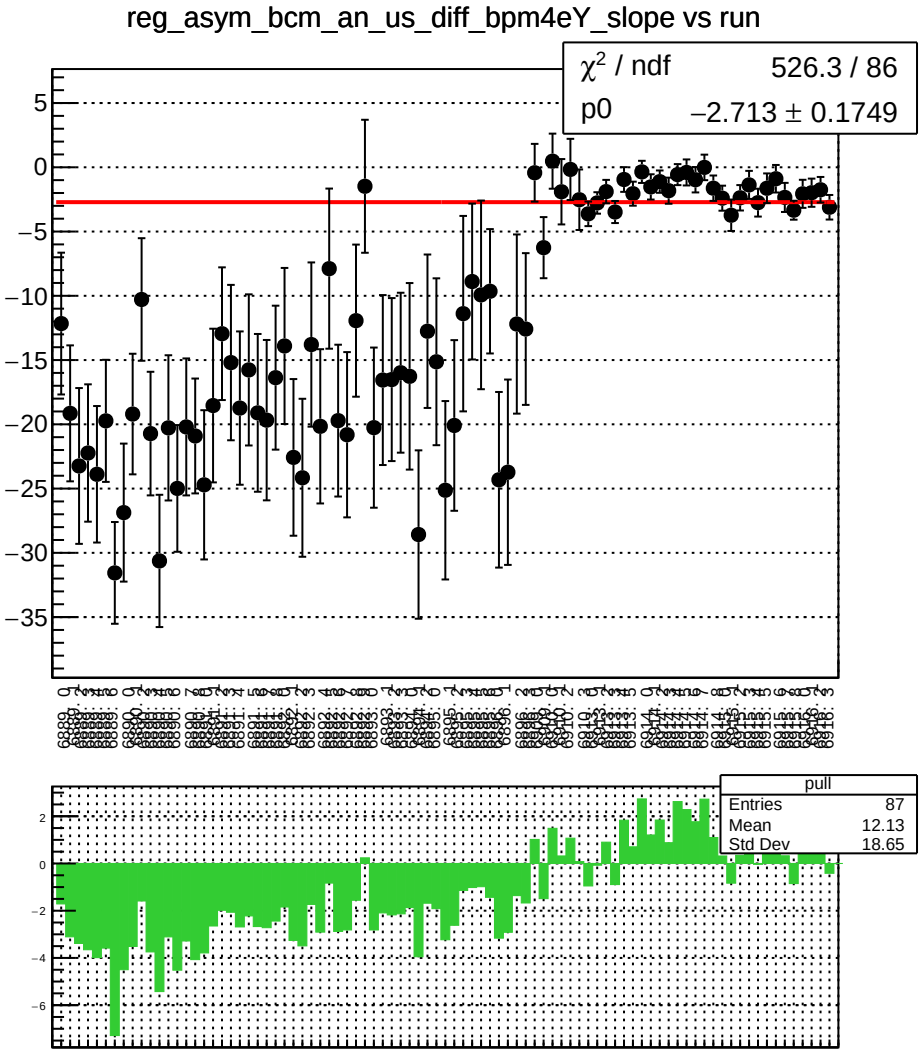

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 2273 / 86
p0 0.05325 ± 0.007496
pull
Entries 87
Mean 20.99
Std Dev 13.6
pull1D
Entries 87
Mean 2.75
Std Dev 3.886

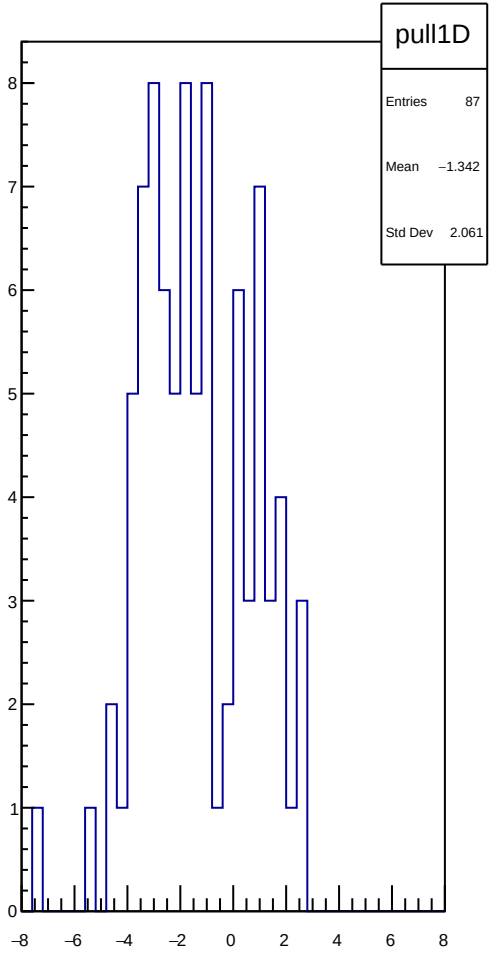

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 8.147e+04 / 86
p0 −28.52 ± 0.226
pull
Entries 87
Mean 17.51
Std Dev 18.59
pull1D
Entries 87
Mean −6.278
Std Dev 1.456

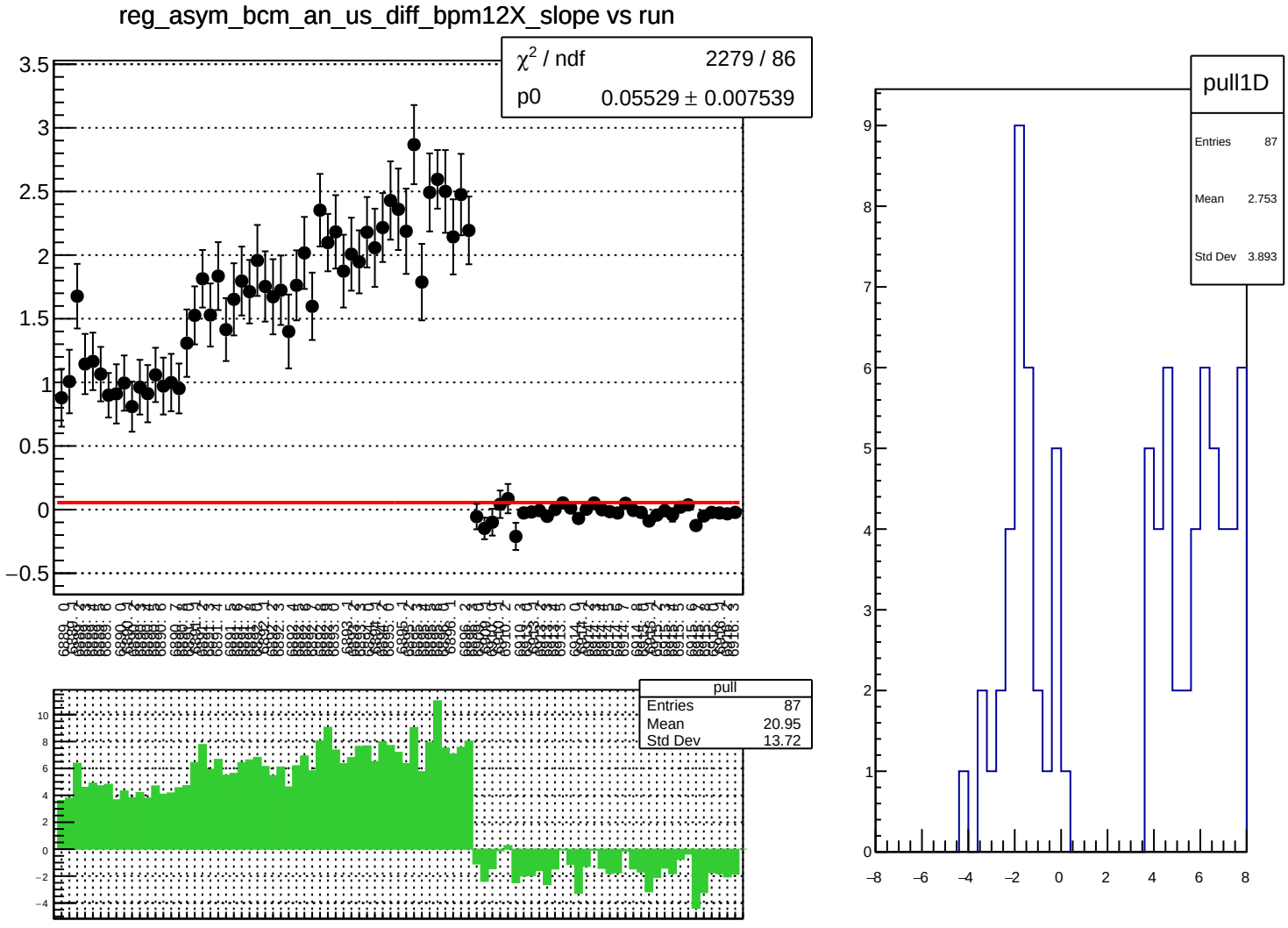

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 295.4 / 86
p0 1.672 ± 0.1526
pull
Entries 87
Mean 10.86
Std Dev 19.62

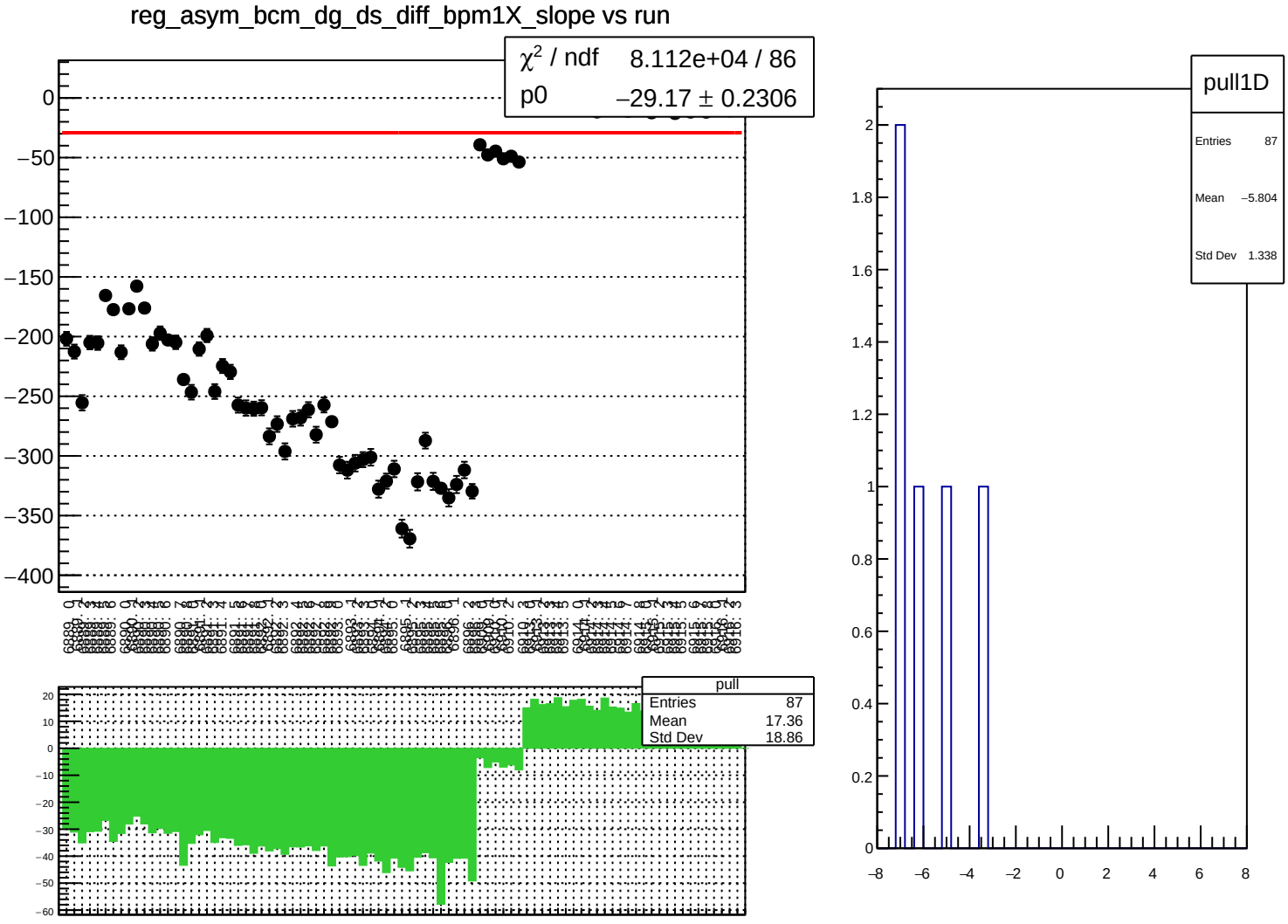

pull1D
Entries 87
Mean 0.9459
Std Dev 1.581

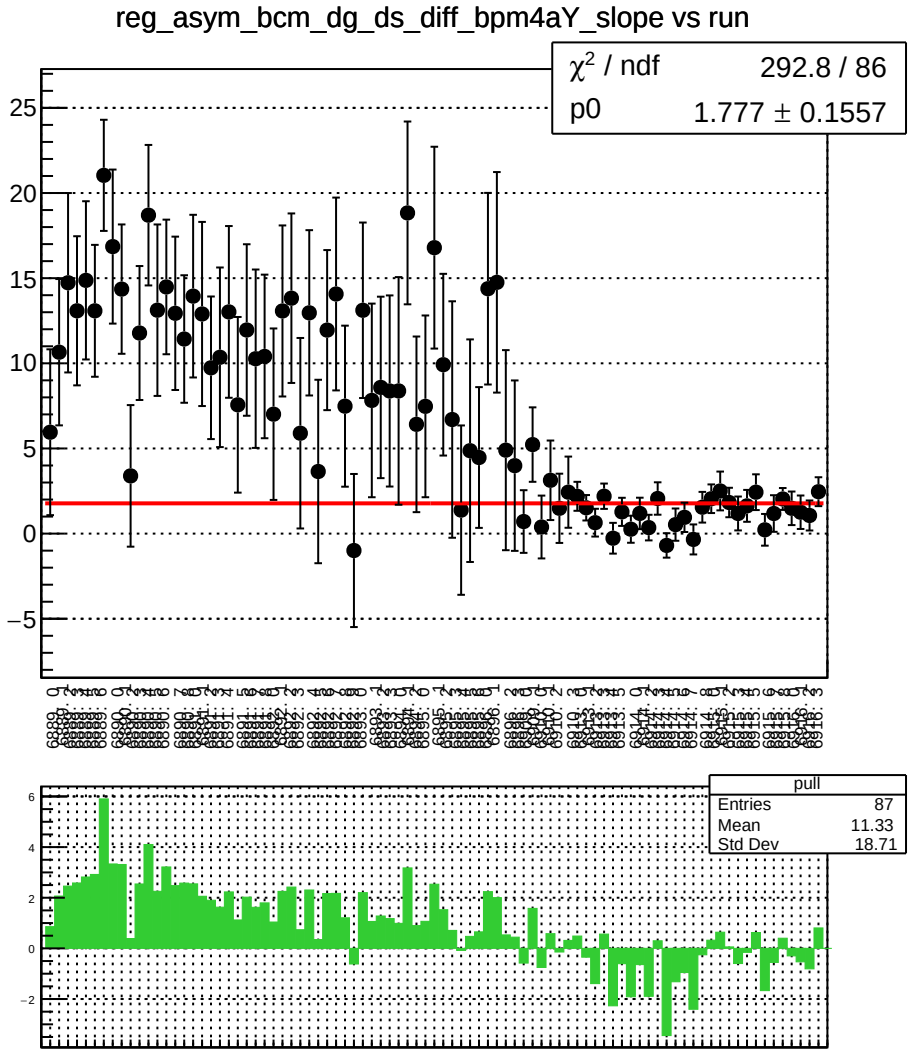

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 8.143e+04 / 86
p0 25.52 ± 0.2111
pull
Entries 87
Mean 17.97
Std Dev 17.77
pull1D
Entries 87
Mean 6.124
Std Dev 1.43

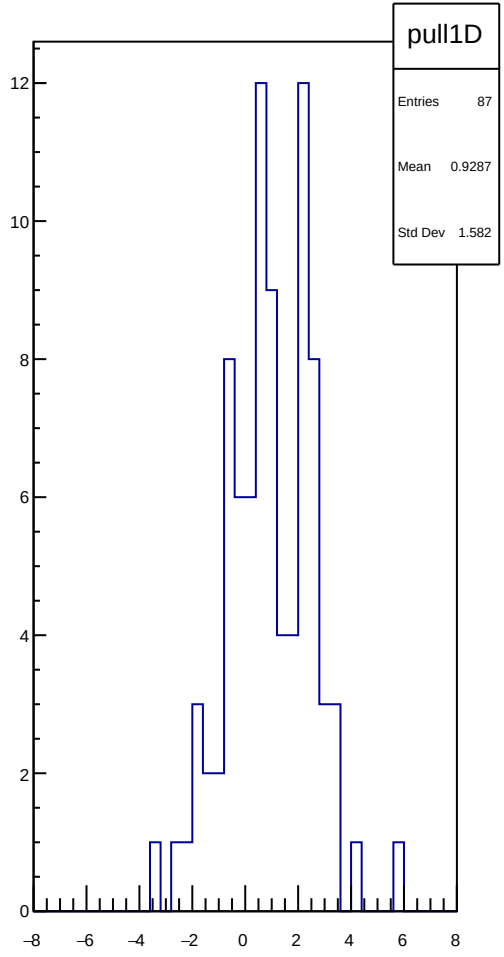

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 526.3 / 86
p0 −2.713 ± 0.1749
pull
Entries 87
Mean 12.13
Std Dev 18.65

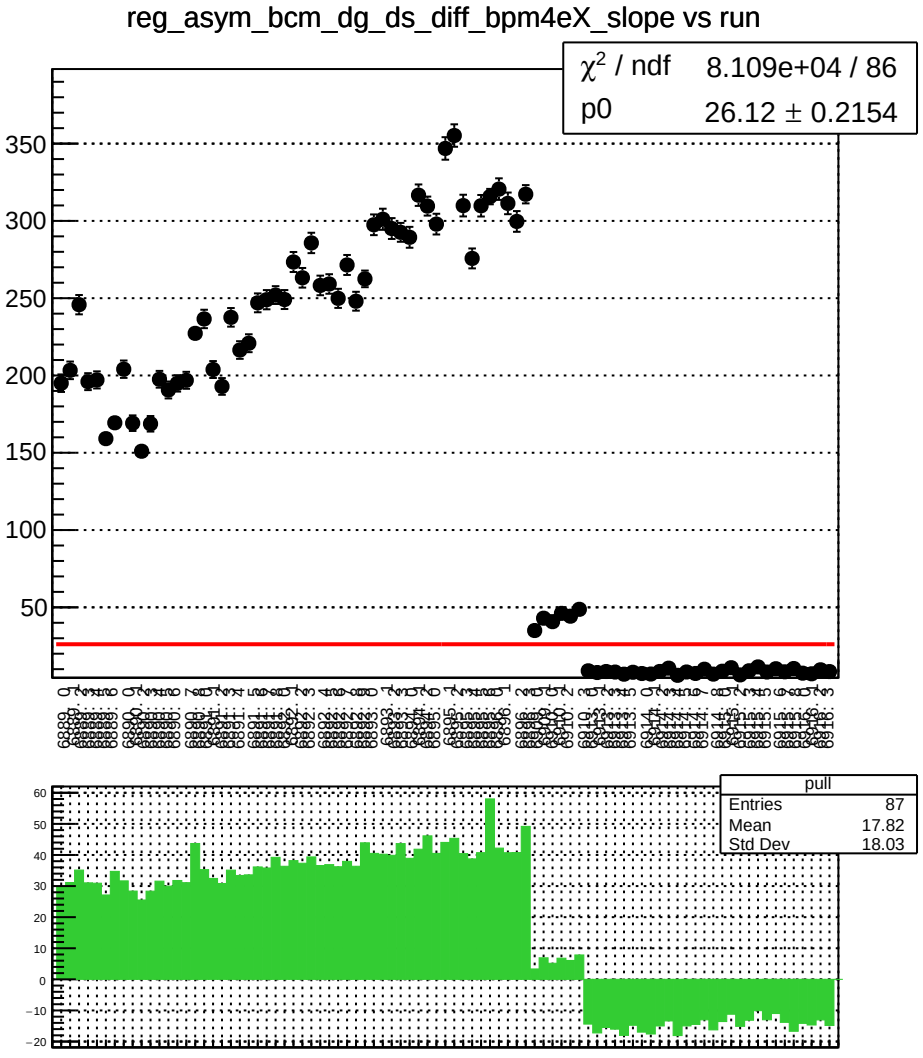

pull1D
Entries 87
Mean −1.342
Std Dev 2.061

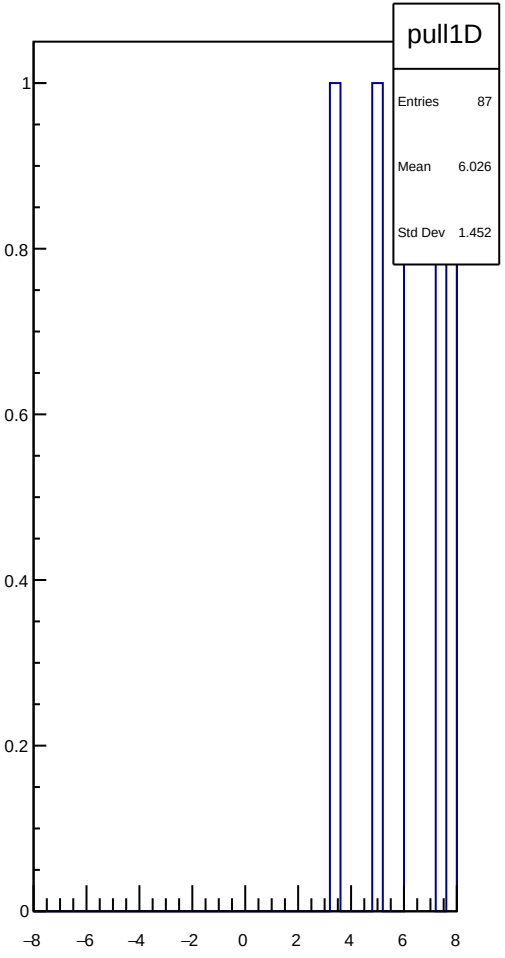

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 2279 / 86
p0 0.05529 ± 0.007539
pull
Entries 87
Mean 20.95
Std Dev 13.72
pull1D
Entries 87
Mean 2.753
Std Dev 3.893

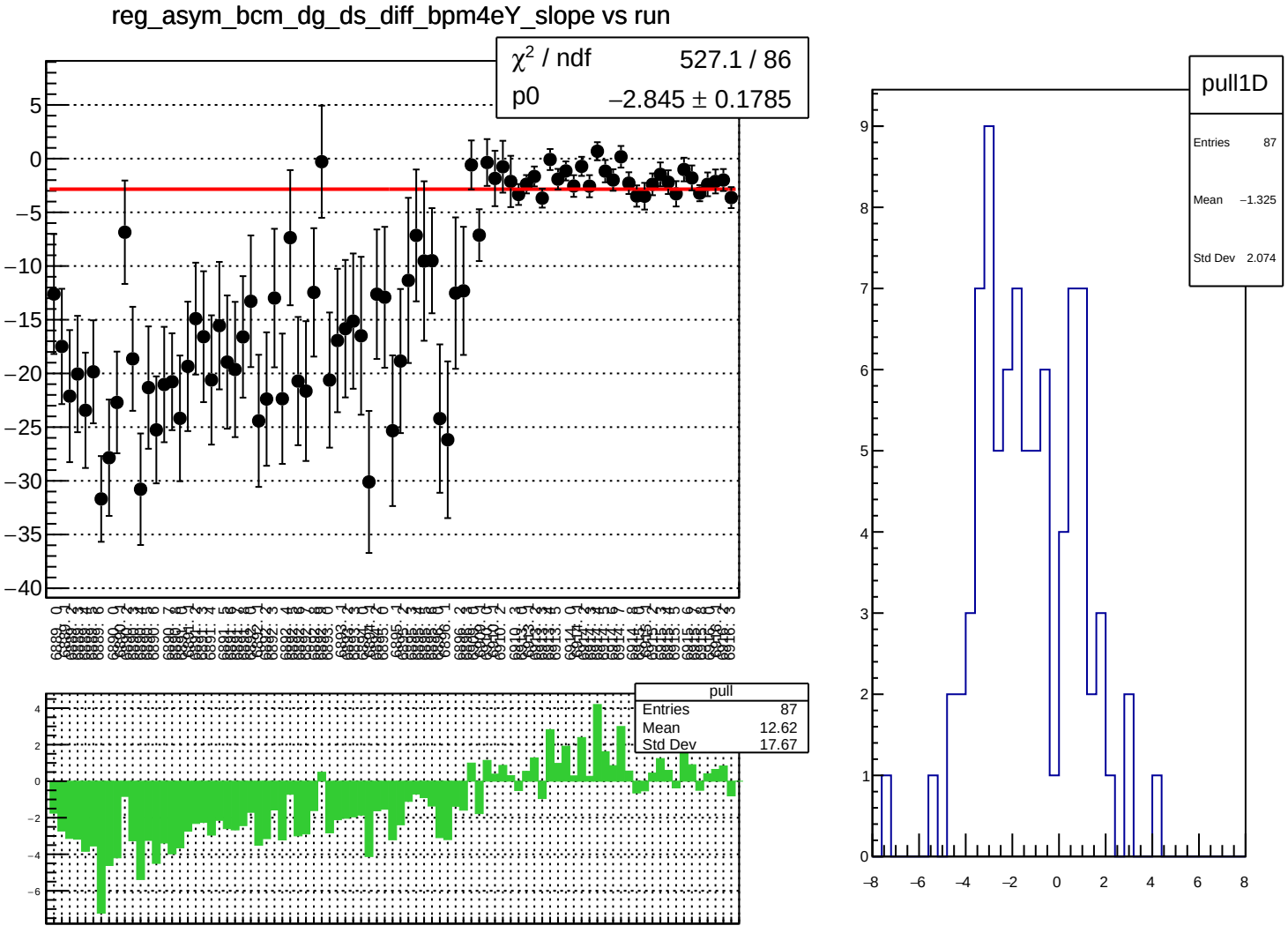

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 8.112e+04 / 86
p0 −29.17 ± 0.2306
pull
Entries 87
Mean 17.36
Std Dev 18.86
pull1D
Entries 87
Mean −5.804
Std Dev 1.338

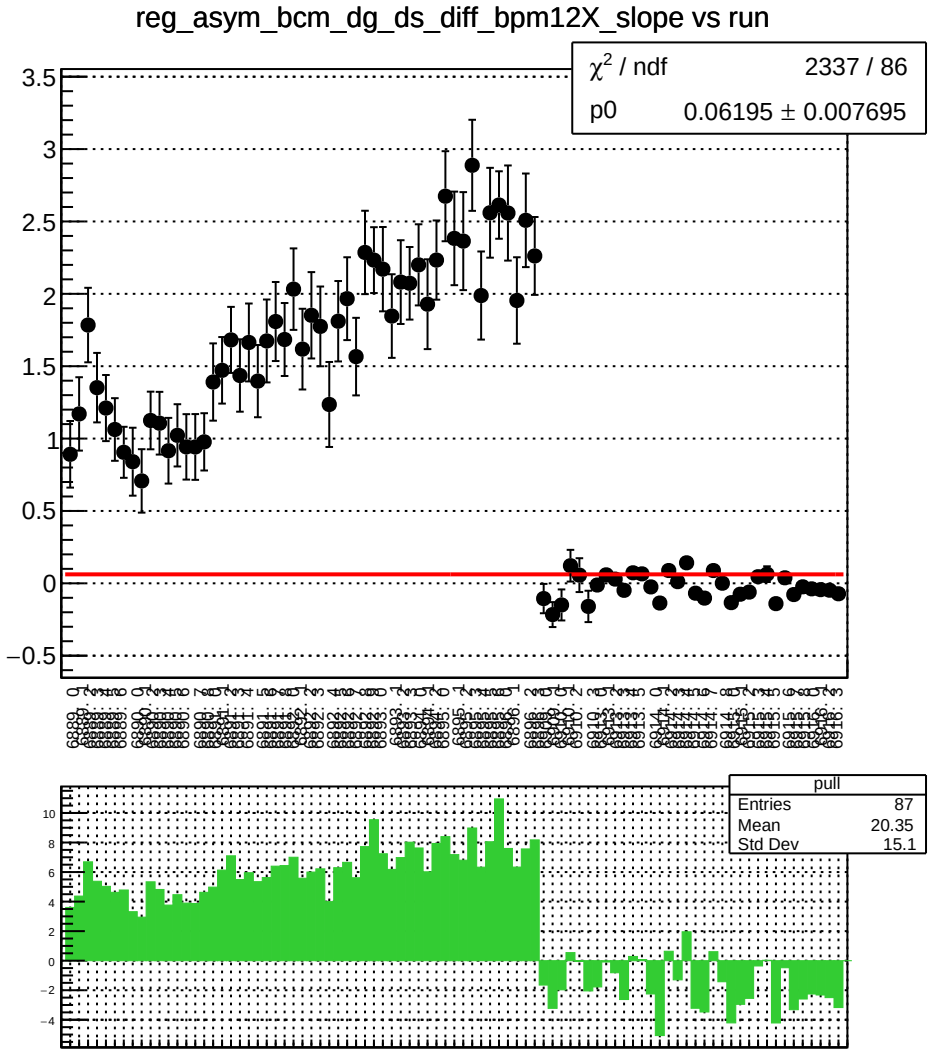

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 292.8 / 86
p0 1.777 ± 0.1557
pull
Entries 87
Mean 11.33
Std Dev 18.71

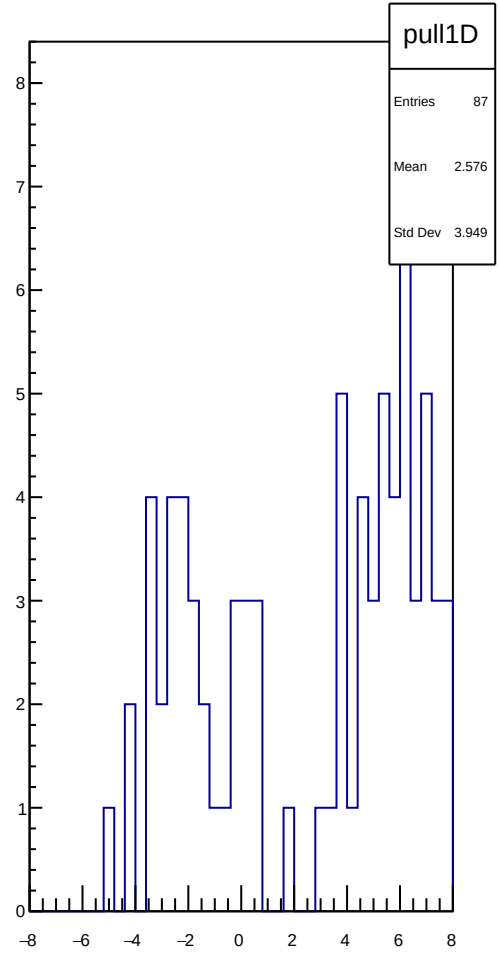

pull1D
Entries 87
Mean 0.9287
Std Dev 1.582

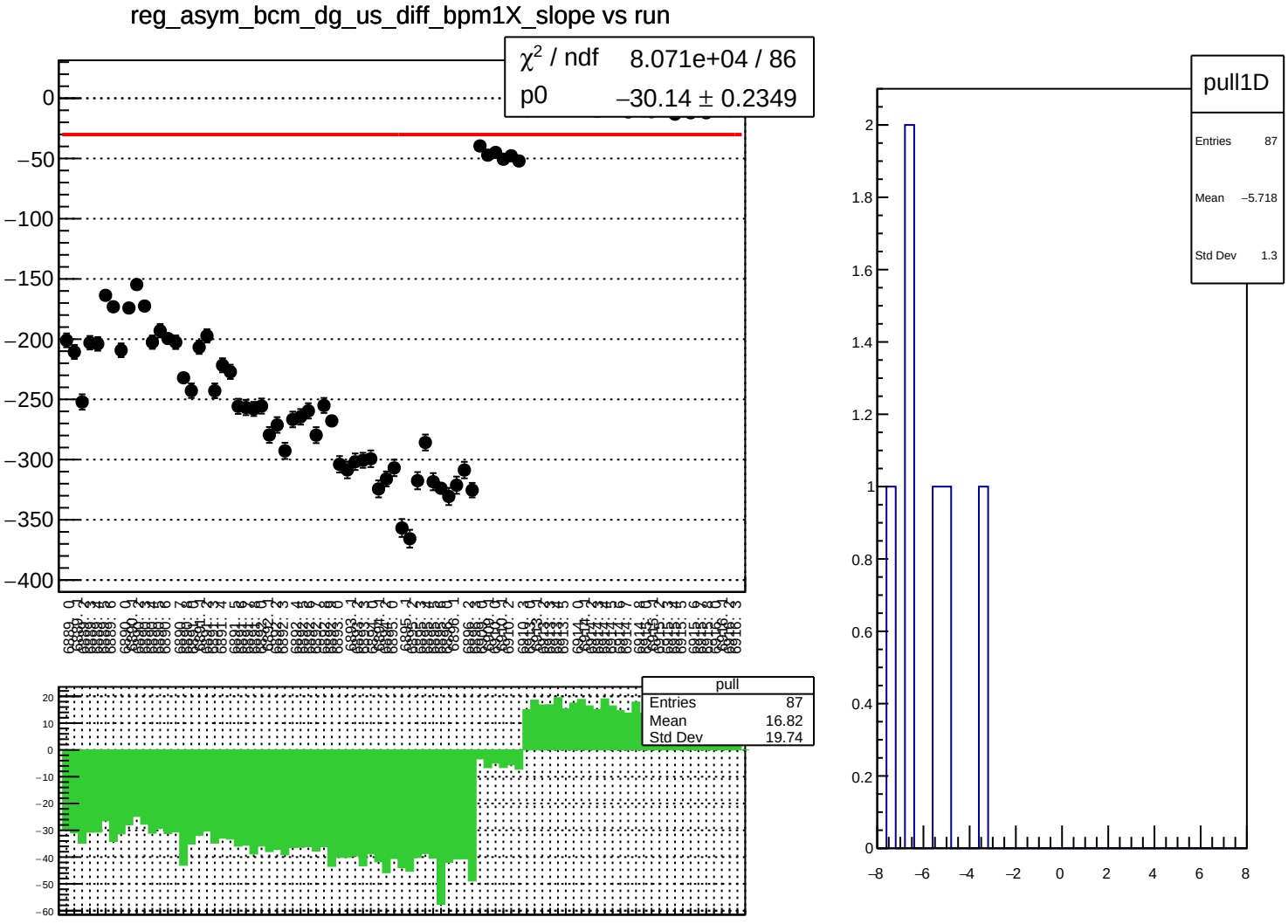

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 8.109e+04 / 86
p0 26.12 ± 0.2154
pull
Entries 87
Mean 17.82
Std Dev 18.03

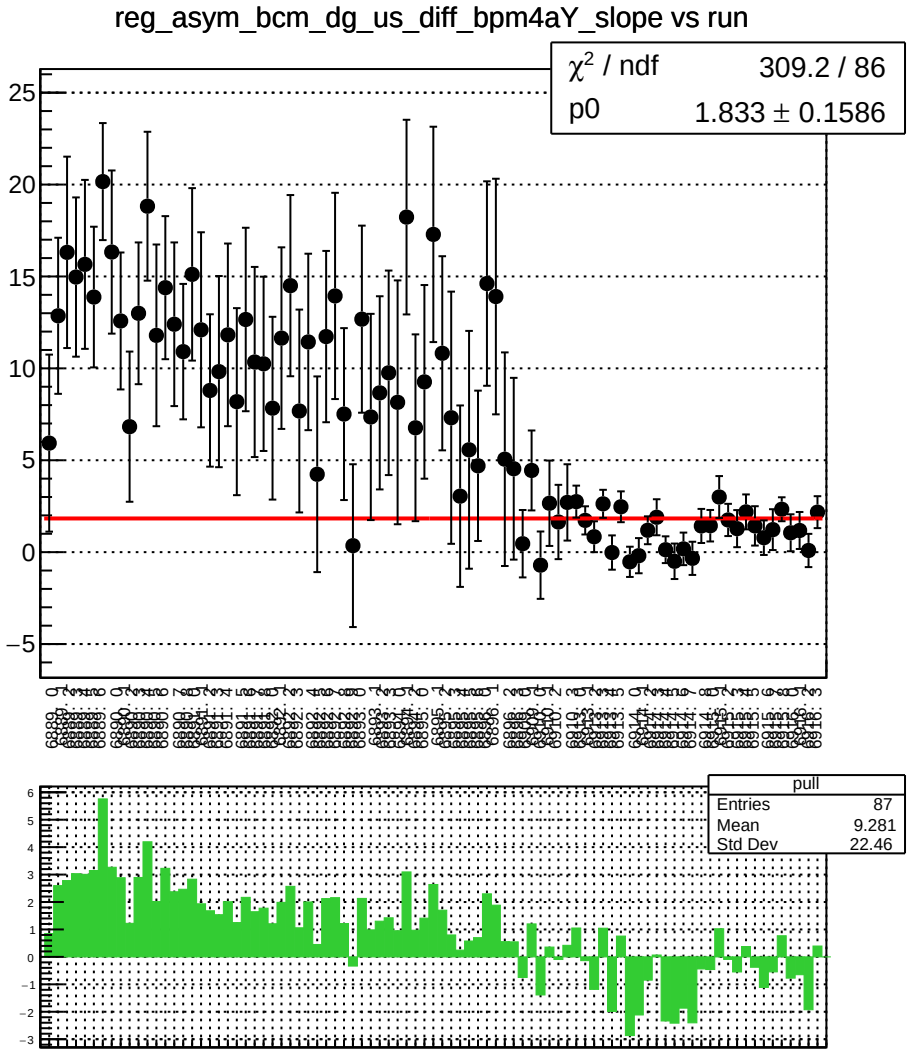

pull1D
Entries 87
Mean 6.026
Std Dev 1.452

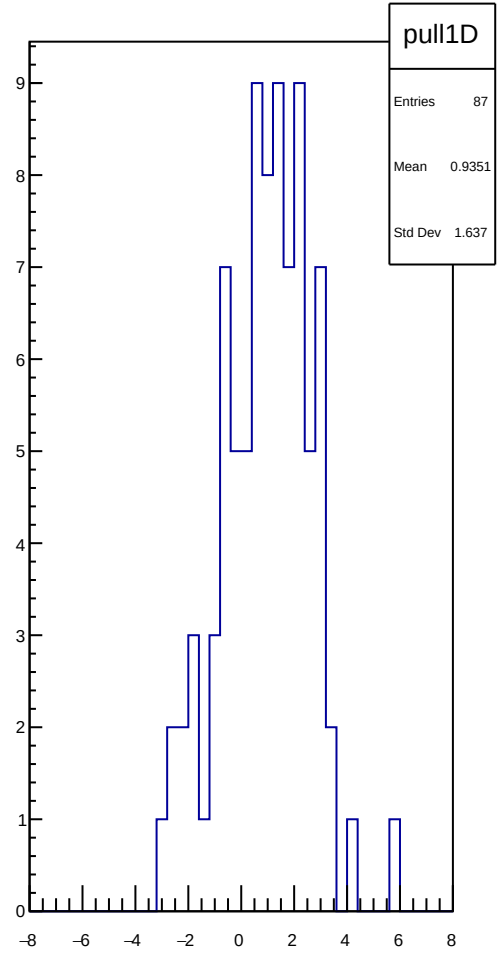

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 527.1 / 86
p0 −2.845 ± 0.1785
pull
Entries 87
Mean 12.62
Std Dev 17.67
pull1D
Entries 87
Mean −1.325
Std Dev 2.074

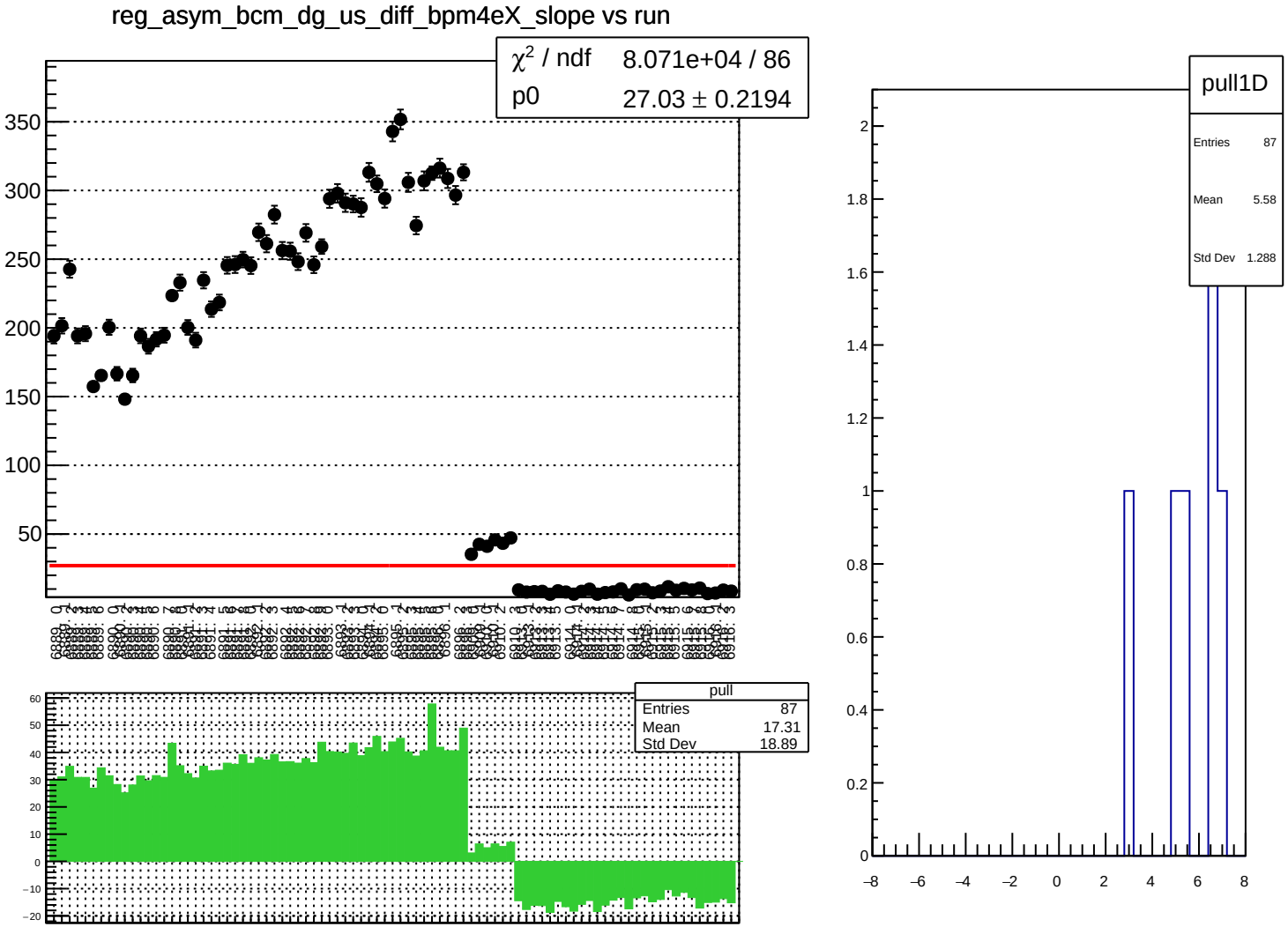

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 2337 / 86
p0 0.06195 ± 0.007695
pull
Entries 87
Mean 20.35
Std Dev 15.1

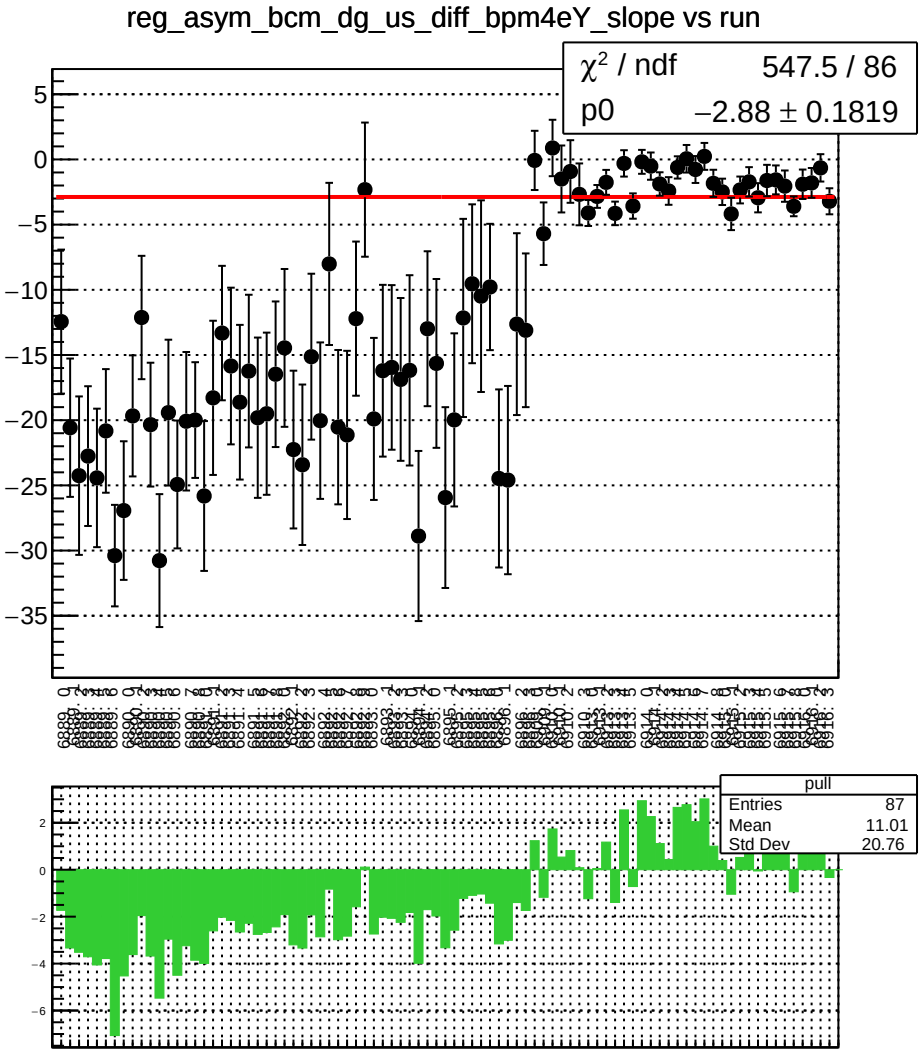

pull1D
Entries 87
Mean 2.576
Std Dev 3.949

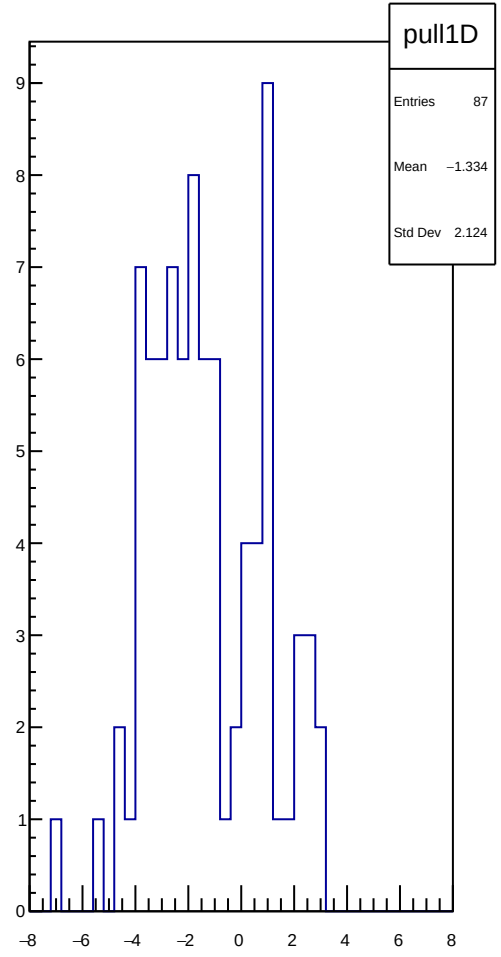

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 8.071e+04 / 86
p0 −30.14 ± 0.2349
pull
Entries 87
Mean 16.82
Std Dev 19.74
pull1D
Entries 87
Mean −5.718
Std Dev 1.3

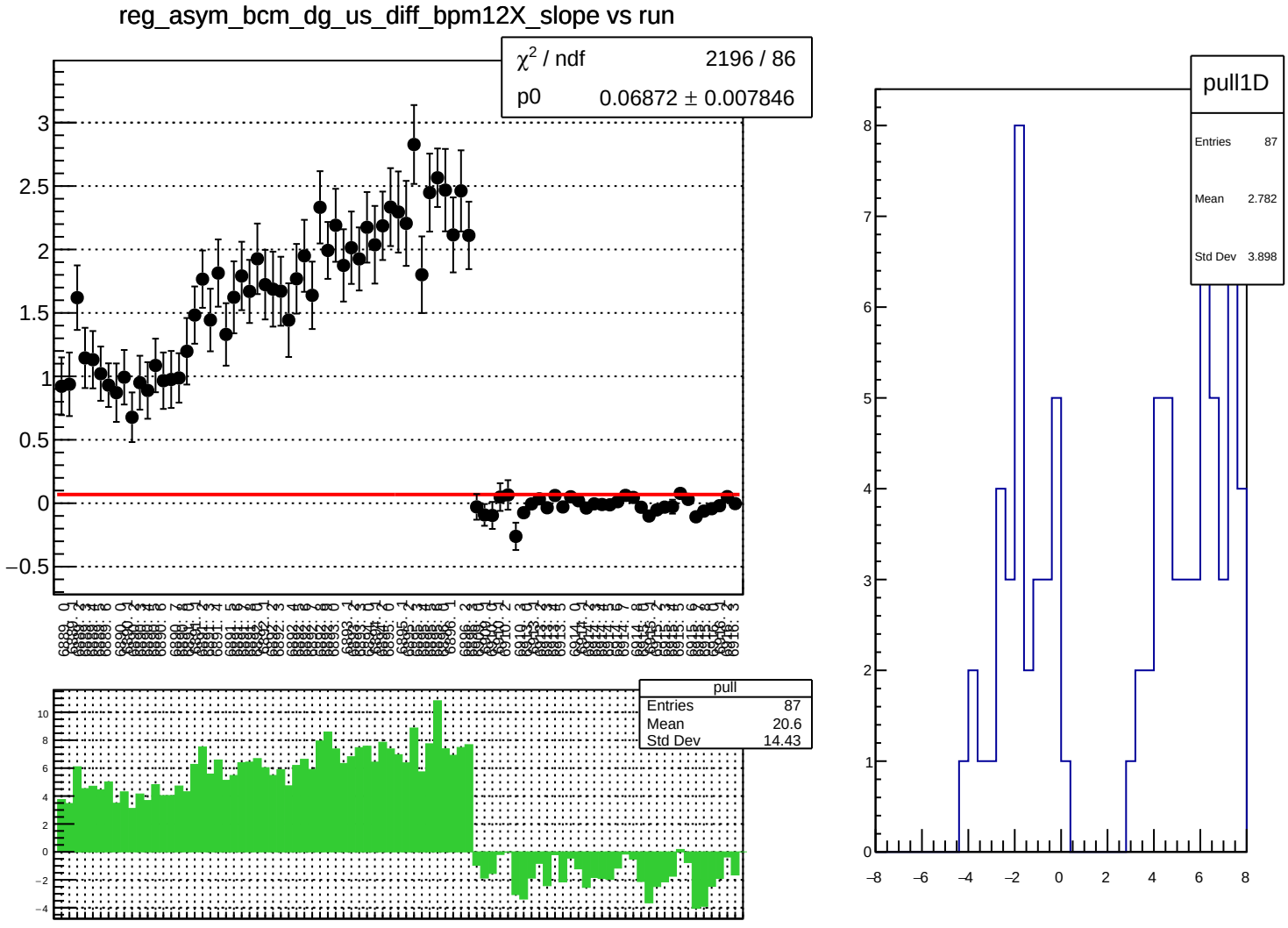

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 309.2 / 86
p0 1.833 ± 0.1586
pull
Entries 87
Mean 9.281
Std Dev 22.46


pull1D
Entries 87
Mean 0.9351
Std Dev 1.637


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 8.071e+04 / 86
p0 27.03 ± 0.2194
pull
Entries 87
Mean 17.31
Std Dev 18.89
pull1D
Entries 87
Mean 5.58
Std Dev 1.288


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 547.5 / 86
p0 −2.88 ± 0.1819
pull
Entries 87
Mean 11.01
Std Dev 20.76


pull1D
Entries 87
Mean −1.334
Std Dev 2.124


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ2 / ndf 2196 / 86
p0 0.06872 ± 0.007846
pull
Entries 87
Mean 20.6
Std Dev 14.43
pull1D
Entries 87
Mean 2.782
Std Dev 3.898